



SISSA Publications 2015

- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Determination of the Ratio of b -Quark Fragmentation Fractions f_s/f_d in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector
Physical Review Letters 115 (26) 262001 , 2015
[10.1103/PhysRevLett.115.262001](https://doi.org/10.1103/PhysRevLett.115.262001)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
Physical Review D 92 (11) 112007 , 2015
[10.1103/PhysRevD.92.112007](https://doi.org/10.1103/PhysRevD.92.112007)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the branching ratio $G\{\text{cyrillic}\}(\Lambda_b^0 \rightarrow \psi(2S)\Lambda^0)/G(\Lambda_b^0 \rightarrow J/\psi\Lambda^0)$ with the ATLAS detector
Physics Letters B 751 () p.p.63-80 , 2015
[10.1016/j.physletb.2015.10.009](https://doi.org/10.1016/j.physletb.2015.10.009)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector
Physics Letters B 751 () p.p.376-395 , 2015
[10.1016/j.physletb.2015.10.059](https://doi.org/10.1016/j.physletb.2015.10.059)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
Journal of High Energy Physics (12) 061 , 2015
[10.1007/JHEP12\(2015\)061](https://doi.org/10.1007/JHEP12(2015)061)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
Journal of High Energy Physics (12) p.p.1-39 , 2015
[10.1007/JHEP12\(2015\)055](https://doi.org/10.1007/JHEP12(2015)055)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for lepton-flavour-violating $H \rightarrow \mu\tau$ decays of the Higgs boson with the ATLAS detector
Journal of High Energy Physics (11) 211 , 2015
[10.1007/JHEP11\(2015\)211](https://doi.org/10.1007/JHEP11(2015)211)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector
Journal of High Energy Physics (11) 206 , 2015
[10.1007/JHEP11\(2015\)206](https://doi.org/10.1007/JHEP11(2015)206)
- Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
Journal of High Energy Physics (11) 172 , 2015
[10.1007/JHEP11\(2015\)172](https://doi.org/10.1007/JHEP11(2015)172)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of transverse energy-energy correlations in multi-jet events in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector and determination of the strong coupling constant $\alpha_s(m_Z)$

Physics Letters B 750 () p.p.427-447 , 2015

[10.1016/j.physletb.2015.09.050](https://doi.org/10.1016/j.physletb.2015.09.050)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of colour flow with the jet pull angle in $t\bar{t}$ events using the ATLAS detector at $\sqrt{s}=8$ TeV

Physics Letters B 750 () p.p.475-493 , 2015

[10.1016/j.physletb.2015.09.051](https://doi.org/10.1016/j.physletb.2015.09.051)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of four-jet differential cross sections in (Formula presented.) TeV proton-proton collisions using the ATLAS detector

Journal of High Energy Physics (12) 105 , 2015

[10.1007/JHEP12\(2015\)105](https://doi.org/10.1007/JHEP12(2015)105)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Searches for Higgs boson pair production in the $hh \rightarrow b\bar{b}\tau\tau, \gamma\gamma WW, \gamma\gamma b\bar{b}, b\bar{b}b\bar{b}$ channels with the ATLAS detector

Physical Review D 92 (9) 092004 , 2015

[10.1103/PhysRevD.92.092004](https://doi.org/10.1103/PhysRevD.92.092004)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC

Physical Review D 92 (9) 092001 , 2015

[10.1103/PhysRevD.92.092001](https://doi.org/10.1103/PhysRevD.92.092001)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Z boson production in p+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured with the ATLAS detector

Physical Review C 92 (4) 44915 , 2015

[10.1103/PhysRevC.92.044915](https://doi.org/10.1103/PhysRevC.92.044915)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 — interpreted in the phenomenological MSSM

Journal of High Energy Physics (10) 134 , 2015

[10.1007/JHEP10\(2015\)134](https://doi.org/10.1007/JHEP10(2015)134)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

Journal of High Energy Physics (10) 150 , 2015

[10.1007/JHEP10\(2015\)150](https://doi.org/10.1007/JHEP10(2015)150)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Determination of the top-quark pole mass using (Formula presented.) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions

Journal of High Energy Physics (10) 121 , 2015

[10.1007/JHEP10\(2015\)121](https://doi.org/10.1007/JHEP10(2015)121)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector

Physical Review D 92 (7) 072005 , 2015

[10.1103/PhysRevD.92.072005](https://doi.org/10.1103/PhysRevD.92.072005)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector
Physical Review D 92 (7) 072004 , 2015 [10.1103/PhysRevD.92.072004](https://arxiv.org/abs/10.1103/PhysRevD.92.072004)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Summary of the searches for squarks and gluinos using $\sqrt{s} = 8\text{TeV}$ pp collisions with the ATLAS experiment at the LHC
Journal of High Energy Physics (10) 054 , 2015 [10.1007/JHEP10\(2015\)054](https://arxiv.org/abs/10.1007/JHEP10(2015)054)

Aad, G.Collaboration, AtlasAbdallah, J.et al.Atlas Collaboration
Measurement of exclusive $\gamma\gamma \rightarrow \ell^+\ell^-$ production in proton-proton collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector
Physics Letters B 749 () p.p.242-261 , 2015 [10.1016/j.physletb.2015.07.069](https://arxiv.org/abs/10.1016/j.physletb.2015.07.069)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector
Physics Letters B 749 () p.p.519-541 , 2015 [10.1016/j.physletb.2015.07.079](https://arxiv.org/abs/10.1016/j.physletb.2015.07.079)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector
European Physical Journal C 75 (10) 476 , 2015 [10.1140/epjc/s10052-015-3685-1](https://arxiv.org/abs/10.1140/epjc/s10052-015-3685-1)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider
European Physical Journal C 75 (10) 510 , 2015 [10.1140/epjc/s10052-015-3726-9](https://arxiv.org/abs/10.1140/epjc/s10052-015-3726-9)

Aad, G.Abbott, B.Abdallah, J.et al.
Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector
Physical Review D 90 (11) 112005 , 2015 [10.1103/PhysRevD.90.112005](https://arxiv.org/abs/10.1103/PhysRevD.90.112005)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector
Physical Review D 92 (7) 072001 , 2015 [10.1103/PhysRevD.92.072001](https://arxiv.org/abs/10.1103/PhysRevD.92.072001)

Aad, G.Collaboration, AtlasAbbott, B.et al.Atlas Collaboration
Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector
European Physical Journal C 75 (10) 466 , 2015 [10.1140/epjc/s10052-015-3644-x](https://arxiv.org/abs/10.1140/epjc/s10052-015-3644-x)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Erratum to: Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector (Eur. Phys. J. C, (2015), 75, (318)
European Physical Journal C 75 (10) 463 , 2015

[10.1140/epic/s10052-015-3661-9](https://doi.org/10.1140/epic/s10052-015-3661-9)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector
Physical Review Letters 115 (13) 131801 , 2015

[10.1103/PhysRevLett.115.131801](https://doi.org/10.1103/PhysRevLett.115.131801)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Erratum : Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb⁻¹ of data with the ATLAS detector
Journal of High Energy Physics (9) 141 , 2015

[10.1007/JHEP09\(2015\)141](https://doi.org/10.1007/JHEP09(2015)141)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at (Formula presented.) = 8 TeV with the ATLAS detector
Journal of High Energy Physics (9) 108 , 2015

[10.1007/JHEP09\(2015\)108](https://doi.org/10.1007/JHEP09(2015)108)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{S-NN}=2.76$ TeV with the ATLAS detector
Physical Review C 92 (3) 034903 , 2015

[10.1103/PhysRevC.92.034903](https://doi.org/10.1103/PhysRevC.92.034903)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of differential J/psi production cross sections and forward-backward ratios in p plus Pb collisions with the ATLAS detector
Physical Review C 92 (3) 034904 , 2015

[10.1103/PhysRevC.92.034904](https://doi.org/10.1103/PhysRevC.92.034904)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for Higgs boson pair production in the $b(b)\overline{b}(b)\overline{b}$ final state from pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
European Physical Journal C 75 (9) 412 , 2015

[10.1140/epic/s10052-015-3628-x](https://doi.org/10.1140/epic/s10052-015-3628-x)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of charged-particle spectra in Pb+Pb collisions at (Formula presented.) = 2.76 TeV with the ATLAS detector at the LHC
Journal of High Energy Physics (9) 050 , 2015

[10.1007/JHEP09\(2015\)050](https://doi.org/10.1007/JHEP09(2015)050)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at (Formula Presented.) = 7 TeV with the ATLAS detector
Journal of High Energy Physics (9) 049 , 2015

[10.1007/JHEP09\(2015\)049](https://doi.org/10.1007/JHEP09(2015)049)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for Higgs bosons decaying to aa in the $\mu\mu\tau\tau$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS experiment

Physical Review D 92 (5) 052002 , 2015

[10.1103/PhysRevD.92.052002](https://arxiv.org/abs/10.1103/PhysRevD.92.052002)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Erratum to: Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector (vol 75, 299, 2015)

European Physical Journal C 75 (9) 408 , 2015

[10.1140/epic/s10052-015-3639-7](https://arxiv.org/abs/10.1140/epic/s10052-015-3639-7)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS experiment

European Physical Journal C 75 (9) 407 , 2015

[10.1140/epic/s10052-015-3609-0](https://arxiv.org/abs/10.1140/epic/s10052-015-3609-0)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Centrality and rapidity dependence of inclusive jet production in $\sqrt{s}(NN)-N-S=5.02$ TeV proton-lead collisions with the ATLAS detector

Physics Letters B 748 () p.p.392-413 , 2015

[10.1016/j.physletb.2015.07.023](https://arxiv.org/abs/10.1016/j.physletb.2015.07.023)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Modelling $Z \rightarrow \tau\tau$ processes in ATLAS with τ -embedded $Z \rightarrow \mu\mu$ data

Journal of Instrumentation 10 (9) P09018 , 2015

[10.1088/1748-0221/10/09/P09018](https://arxiv.org/abs/10.1088/1748-0221/10/09/P09018)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

A search for $t(\bar{t})$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

Journal of High Energy Physics (8) 148 , 2015

[10.1007/JHEP08\(2015\)148](https://arxiv.org/abs/10.1007/JHEP08(2015)148)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector

Journal of High Energy Physics (8) 137 , 2015

[10.1007/JHEP08\(2015\)137](https://arxiv.org/abs/10.1007/JHEP08(2015)137)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for new phenomena in events with three or more charged leptons in pp collisions at TeV with the ATLAS detector

Journal of High Energy Physics (8) 138 , 2015

[10.1007/JHEP08\(2015\)138](https://arxiv.org/abs/10.1007/JHEP08(2015)138)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4l$ Decay Channels at $\sqrt{s}=8$ TeV with the ATLAS Detector

Physical Review Letters 115 (9) 091801 , 2015

[10.1103/PhysRevLett.115.091801](https://arxiv.org/abs/10.1103/PhysRevLett.115.091801)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at root $s=8$ TeV with the ATLAS detector
Journal of High Energy Physics (8) 105 , 2015

[10.1007/JHEP08\(2015\)105](https://arxiv.org/abs/10.1007/JHEP08(2015)105)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Erratum to: Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at root $s = 8$ TeV with the ATLAS detector (vol 75, pg 209, 2015)
European Physical Journal C 75 (8) 370 , 2015

[10.1140/epjc/s10052-015-3593-4](https://arxiv.org/abs/10.1140/epjc/s10052-015-3593-4)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for high-mass diphoton resonances in pp collisions at pffisffi root $s=8$ TeV with the ATLAS detector
Physical Review D 92 (3) 032004 , 2015

[10.1103/PhysRevD.92.032004](https://arxiv.org/abs/10.1103/PhysRevD.92.032004)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for heavy long-lived multi-charged particles in pp collisions at root $s=8$ TeV using the ATLAS detector
European Physical Journal C 75 (8) 362 , 2015

[10.1140/epjc/s10052-015-3534-2](https://arxiv.org/abs/10.1140/epjc/s10052-015-3534-2)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for type-III seesaw heavy leptons in pp collisions at root $s=8$ TeV with the ATLAS detector
Physical Review D 92 (3) 032001 , 2015

[10.1103/PhysRevD.92.032001](https://arxiv.org/abs/10.1103/PhysRevD.92.032001)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for the Standard Model Higgs boson produced in association with top quarks and decaying into in collisions at with the ATLAS detector
European Physical Journal C 75 (7) 349 , 2015

[10.1140/epjc/s10052-015-3543-1](https://arxiv.org/abs/10.1140/epjc/s10052-015-3543-1)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
A search for high-mass resonances decaying to $\tau(+)\tau(-)$ in pp collisions at root $s=8$ TeV with the ATLAS detector
Journal of High Energy Physics (7) 157 , 2015

[10.1007/JHEP07\(2015\)157](https://arxiv.org/abs/10.1007/JHEP07(2015)157)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at root $s=8$ TeV
Journal of High Energy Physics (7) 162 , 2015

[10.1007/JHEP07\(2015\)162](https://arxiv.org/abs/10.1007/JHEP07(2015)162)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at, root $s=8$ TeV with the ATLAS detector
European Physical Journal C 75 (7) 337 , 2015

[10.1140/epjc/s10052-015-3551-1](https://arxiv.org/abs/10.1140/epjc/s10052-015-3551-1)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector
European Physical Journal C 75 (7) 335 , 2015

[10.1140/epic/s10052-015-3542-2](https://doi.org/10.1140/epic/s10052-015-3542-2)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the top quark mass in the $t(\bar{t})$ lepton plus jets and $t(\bar{t})$ dilepton channels using $\sqrt{s}=7$ TeV ATLAS data
European Physical Journal C 75 (7) 330 , 2015

[10.1140/epic/s10052-015-3544-0](https://doi.org/10.1140/epic/s10052-015-3544-0)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
Physical Review D 92 (1) 012010 , 2015

[10.1103/PhysRevD.92.012010](https://doi.org/10.1103/PhysRevD.92.012010)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Observation and measurement of Higgs boson decays to WW^* with the ATLAS detector
Physical Review D 92 (1) 012006 , 2015

[10.1103/PhysRevD.92.012006](https://doi.org/10.1103/PhysRevD.92.012006)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Evidence of W $\gamma\gamma$ Production in pp Collisions at $\sqrt{s}=8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector
Physical Review Letters 115 (3) 031802 , 2015

[10.1103/PhysRevLett.115.031802](https://doi.org/10.1103/PhysRevLett.115.031802)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for a Heavy Neutral Particle Decaying to $e\mu$, $e\tau$, or $\mu\tau$ in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector
Physical Review Letters 115 (3) 031801 , 2015

[10.1103/PhysRevLett.115.031801](https://doi.org/10.1103/PhysRevLett.115.031801)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector
European Physical Journal C 75 (7) 318 , 2015

[10.1140/epic/s10052-015-3518-2](https://doi.org/10.1140/epic/s10052-015-3518-2)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s}=8$ TeV
Journal of High Energy Physics (7) 032 , 2015

[10.1007/JHEP07\(2015\)032](https://doi.org/10.1007/JHEP07(2015)032)

Aad, G.Collaboration, AtlasAbbott, B.et al.Atlas Collaboration
Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV
European Physical Journal C 75 (7) 303 , 2015

[10.1140/epic/s10052-015-3500-z](https://doi.org/10.1140/epic/s10052-015-3500-z)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at root s=8 TeV with the ATLAS detector
European Physical Journal C 75 (7) 299 , 2015

[10.1140/epic/s10052-015-3517-3](https://doi.org/10.1140/epic/s10052-015-3517-3)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at root s=8 TeV
Physical Review D 91 (11) 112016 , 2015

[10.1103/PhysRevD.91.112016](https://doi.org/10.1103/PhysRevD.91.112016)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton plus jets final state with ATLAS
Physical Review D 91 (11) 112013 , 2015

[10.1103/PhysRevD.91.112013](https://doi.org/10.1103/PhysRevD.91.112013)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum, and jets at root s=8 TeV with the ATLAS detector
Physical Review D 91 (11) 112011 , 2015

[10.1103/PhysRevD.91.112011](https://doi.org/10.1103/PhysRevD.91.112011)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for a new resonance decaying to a W or Z boson and a Higgs boson in the ll/vv plus b(b)over-bar final states with the ATLAS detector
European Physical Journal C 75 (6) 263 , 2015

[10.1140/epic/s10052-015-3474-x](https://doi.org/10.1140/epic/s10052-015-3474-x)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at root s=7 TeV in the ATLAS detector
Journal of High Energy Physics (6) 100 , 2015

[10.1007/JHEP06\(2015\)100](https://doi.org/10.1007/JHEP06(2015)100)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay H+/- -> W(+/-)Z using pp Collisions at root S=8 TeV with the ATLAS Experiment
Physical Review Letters 114 (23) 231801 , 2015

[10.1103/PhysRevLett.114.231801](https://doi.org/10.1103/PhysRevLett.114.231801)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at root s=8 TeV Measured with the ATLAS Detector
Physical Review Letters 114 (22) 221802 , 2015

[10.1103/PhysRevLett.114.221802](https://doi.org/10.1103/PhysRevLett.114.221802)

Aad, G.Collaboration, AtlasAbbott, B.et al.Atlas Collaboration

Determination of spin and parity of the Higgs boson in the WW* -> ev mu v decay channel with the ATLAS detector
European Physical Journal C 75 (5) 231 , 2015

[10.1140/epic/s10052-015-3436-3](https://doi.org/10.1140/epic/s10052-015-3436-3)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

European Physical Journal C 75 (5) 229 , 2015

[10.1140/epjc/s10052-015-3406-9](https://doi.org/10.1140/epjc/s10052-015-3406-9)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of three-jet production cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector

European Physical Journal C 75 (5) 228 , 2015

[10.1140/epjc/s10052-015-3363-3](https://doi.org/10.1140/epjc/s10052-015-3363-3)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments

Physical Review Letters 114 (19) 191803 , 2015

[10.1103/PhysRevLett.114.191803](https://doi.org/10.1103/PhysRevLett.114.191803)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector

European Physical Journal C 75 (5) 208 , 2015

[10.1140/epjc/s10052-015-3408-7](https://doi.org/10.1140/epjc/s10052-015-3408-7)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

European Physical Journal C 75 (5) 209 , 2015

[10.1140/epjc/s10052-015-3425-6](https://doi.org/10.1140/epjc/s10052-015-3425-6)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector

Journal of High Energy Physics (5) 061 , 2015

[10.1007/JHEP05\(2015\)061](https://doi.org/10.1007/JHEP05(2015)061)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for a CP-odd Higgs boson decaying to Zh in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

Physics Letters B 744 () p.p.163-183 , 2015

[10.1016/j.physletb.2015.03.054](https://doi.org/10.1016/j.physletb.2015.03.054)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Observation of top-quark pair production in association with a photon and measurement of the $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector

Physical Review D 91 (7) 072007 , 2015

[10.1103/PhysRevD.91.072007](https://doi.org/10.1103/PhysRevD.91.072007)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for $W' \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

European Physical Journal C 75 (4) 165 , 2015

[10.1140/epjc/s10052-015-3372-2](https://doi.org/10.1140/epjc/s10052-015-3372-2)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at root s=7 TeV
European Physical Journal C 75 (4) 158 , 2015

[10.1140/epic/s10052-015-3373-1](https://doi.org/10.1140/epic/s10052-015-3373-1)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for Scalar Charm Quark Pair Production in pp Collisions at root s=8 TeV with the ATLAS Detector
Physical Review Letters 114 (16) 161801 , 2015

[10.1103/PhysRevLett.114.161801](https://doi.org/10.1103/PhysRevLett.114.161801)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at root s=8 TeV with the ATLAS detector
Journal of High Energy Physics (4) 116 , 2015

[10.1007/JHEP04\(2015\)116](https://doi.org/10.1007/JHEP04(2015)116)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector
Journal of High Energy Physics (4) 117 , 2015

[10.1007/JHEP04\(2015\)117](https://doi.org/10.1007/JHEP04(2015)117)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for pair-produced long-lived neutral particles decaying to jets in the ATLAS hadronic calorimeter in pp collisions at root s=8 TeV
Physics Letters B 743 () p.p.15-34 , 2015

[10.1016/j.physletb.2015.02.015](https://doi.org/10.1016/j.physletb.2015.02.015)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for $W' \rightarrow t(\bar{b})$ in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of root s=8 TeV with the ATLAS detector
Physics Letters B 743 () p.p.235-255 , 2015

[10.1016/j.physletb.2015.02.051](https://doi.org/10.1016/j.physletb.2015.02.051)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in pp Collisions at root s=8 TeV Using the ATLAS Detector
Physical Review Letters 114 (14) 142001 , 2015

[10.1103/PhysRevLett.114.142001](https://doi.org/10.1103/PhysRevLett.114.142001)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for Higgs and Z Boson Decays to J/ψ gamma and $Upsilon(nS)\gamma$ with the ATLAS Detector
Physical Review Letters 114 (12) 121801 , 2015

[10.1103/PhysRevLett.114.121801](https://doi.org/10.1103/PhysRevLett.114.121801)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu$ in fully hadronic final states using pp collision data at root s=8 TeV with the ATLAS detector
Journal of High Energy Physics (3) 088 , 2015

[10.1007/JHEP03\(2015\)088](https://doi.org/10.1007/JHEP03(2015)088)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Performance of the ATLAS muon trigger in pp collisions at root s=8 TeV
European Physical Journal C 75 (3) 120 , 2015

[10.1140/epjc/s10052-015-3325-9](https://doi.org/10.1140/epjc/s10052-015-3325-9)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with root s=8 TeV pp collisions using the ATLAS detector
Journal of High Energy Physics (3) 041 , 2015

[10.1007/JHEP03\(2015\)041](https://doi.org/10.1007/JHEP03(2015)041)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for new phenomena in the dijet mass distribution using pp collision data at root s=8 TeV with the ATLAS detector
Physical Review D 91 (5) 052007 , 2015

[10.1103/PhysRevD.91.052007](https://doi.org/10.1103/PhysRevD.91.052007)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Simultaneous measurements of the $t\bar{t}$, $W+W^-$, and $Z/\gamma^* \rightarrow \tau\tau$ production cross-sections in pp collisions at root s=7 TeV with the ATLAS detector
Physical Review D 91 (5) 052005 , 2015

[10.1103/PhysRevD.91.052005](https://doi.org/10.1103/PhysRevD.91.052005)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for Higgs Boson Pair Production in the $\gamma\gamma b\bar{b}$ Final State Using pp Collision Data at root s=8 TeV from the ATLAS Detector
Physical Review Letters 114 (8) 081802 , 2015

[10.1103/PhysRevLett.114.081802](https://doi.org/10.1103/PhysRevLett.114.081802)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector
European Physical Journal C 75 (2) 92 , 2015

[10.1140/epjc/s10052-015-3306-z](https://doi.org/10.1140/epjc/s10052-015-3306-z)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the inclusive jet cross-section in proton-proton collisions at root s=7 TeV using 4.5 fb⁻¹ of data with the ATLAS detector
Journal of High Energy Physics (2) 153 , 2015

[10.1007/JHEP02\(2015\)153](https://doi.org/10.1007/JHEP02(2015)153)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurements of the Nuclear Modification Factor for Jets in Pb plus Pb Collisions at root SNN=2.76 TeV with the ATLAS Detector
Physical Review Letters 114 (7) 072302 , 2015

[10.1103/PhysRevLett.114.072302](https://doi.org/10.1103/PhysRevLett.114.072302)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurements of the W production cross sections in association with jets with the ATLAS detector
European Physical Journal C 75 (2) 82 , 2015

[10.1140/epjc/s10052-015-3262-7](https://doi.org/10.1140/epjc/s10052-015-3262-7)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
European Physical Journal C 75 (2) 79 , 2015

[10.1140/epic/s10052-014-3233-4](https://doi.org/10.1140/epic/s10052-014-3233-4)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for resonant diboson production in the $l\bar{l}(q)\bar{q}$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
European Physical Journal C 75 (2) 69 , 2015

[10.1140/epic/s10052-015-3261-8](https://doi.org/10.1140/epic/s10052-015-3261-8)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of the transverse polarization of Λ and $\Lambda\bar{b}$ hyperons produced in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector
Physical Review D 91 (3) 032004 , 2015

[10.1103/PhysRevD.91.032004](https://doi.org/10.1103/PhysRevD.91.032004)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector
Physical Review D 91 (1) 012008 , 2015

[10.1103/PhysRevD.91.012008](https://doi.org/10.1103/PhysRevD.91.012008)

Aad, G.Abbott, B.Abdallah, J.et al.

Measurement of the $WW+WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s}=7$ TeV
Journal of High Energy Physics (1) 049 , 2015

[10.1007/JHEP01\(2015\)049](https://doi.org/10.1007/JHEP01(2015)049)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurement of the production and lepton charge asymmetry of W bosons in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector
European Physical Journal C 75 (1) 23 , 2015

[10.1140/epic/s10052-014-3231-6](https://doi.org/10.1140/epic/s10052-014-3231-6)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector
Physical Review D 91 (1) 012006 , 2015

[10.1103/PhysRevD.91.012006](https://doi.org/10.1103/PhysRevD.91.012006)

Aad, G.Abadjan, T.Abbott, B.et al.Atlas Collaboration

Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector
European Physical Journal C 75 (1) 17 , 2015

[10.1140/epic/s10052-014-3190-y](https://doi.org/10.1140/epic/s10052-014-3190-y)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration

Search for the $b\bar{b}$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector
Journal of High Energy Physics (1) 069 , 2015

[10.1007/JHEP01\(2015\)069](https://doi.org/10.1007/JHEP01(2015)069)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at root s=8 TeV
Journal of High Energy Physics (1) 068 , 2015

[10.1007/JHEP01\(2015\)068](https://doi.org/10.1007/JHEP01(2015)068)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Measurement of the $t(\bar{t})$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector
Journal of High Energy Physics (1) 020 , 2015

[10.1007/JHEP01\(2015\)020](https://doi.org/10.1007/JHEP01(2015)020)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for s-channel single top-quark production in proton-proton collisions at root s=8 TeV with the ATLAS detector
Physics Letters B 740 () p.p.118-136 , 2015

[10.1016/j.physletb.2014.11.042](https://doi.org/10.1016/j.physletb.2014.11.042)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for the X-b and other hidden-beauty states in the $\pi^{+}\pi^{-}\gamma(1S)$ channel at ATLAS
Physics Letters B 740 () p.p.199-217 , 2015

[10.1016/j.physletb.2014.11.055](https://doi.org/10.1016/j.physletb.2014.11.055)

Aad, G.Abbott, B.Abdallah, J.et al.Atlas Collaboration
Search for $H \rightarrow \gamma\gamma$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector
Physics Letters B 740 () p.p.222-242 , 2015

[10.1016/j.physletb.2014.11.049](https://doi.org/10.1016/j.physletb.2014.11.049)

Abada, A.Becirevic, D.Lucente, M.et al.
Lepton flavor violating decays of vector quarkonia and of the Z boson
Physical Review D 91 (11) 113013 , 2015

[10.1103/PhysRevD.91.113013](https://doi.org/10.1103/PhysRevD.91.113013)

Abada, A.Arcadi, G.Domcke, V.et al.
Lepton number violation as a key to low-scale leptogenesis
Journal of Cosmology and Astroparticle Physics (11) 041 , 2015

[10.1088/1475-7516/2015/11/041](https://doi.org/10.1088/1475-7516/2015/11/041)

Abdallah, J.Jalal, A.Araujo, H.Arbey, A.et al.
Simplified models for dark matter searches at the LHC
Physics of the Dark Universe 9-10 () p.p.8-23 , 2015

[10.1016/j.dark.2015.08.001](https://doi.org/10.1016/j.dark.2015.08.001)

Ade, PARAGhanim, N.Arnaud, M. et al.Plank Collaboration
Planck intermediate results. XXVI. Optical identification and redshifts of Planck clusters with the RTT150 telescope
Astronomy and Astrophysics 582 () A29 , 2015

[10.1051/0004-6361/201424674](https://doi.org/10.1051/0004-6361/201424674)

Ade, PARAGhanim, N.Arnaud, M. et al.Plank Collaboration
Planck intermediate results XXV. The Andromeda galaxy as seen by Planck
Astronomy and Astrophysics 582 () A28 , 2015

[10.1051/0004-6361/201424643](https://doi.org/10.1051/0004-6361/201424643)

Ade, PARAgghanim, N.Aniano, G.et al.Plank Collaboration
Planck intermediate results XXVIII. Interstellar gas and dust in the Chamaeleon clouds as seen by Fermi LAT and Planck
Astronomy and Astrophysics 582 () A31 , 2015

[10.1051/0004-6361/201424955](https://doi.org/10.1051/0004-6361/201424955)

Ade, PARAgghanim, N.Armitage-Caplan, C.et al.Plank Collaboration
Planck 2013 results. XXXII. The updated Planck catalogue of Sunyaev-Zeldovich sources
Astronomy and Astrophysics 581 () A14 , 2015

[10.1051/0004-6361/201525787](https://doi.org/10.1051/0004-6361/201525787)

Ade, PARAgghanim, N.Arnaud, M. et al.Plank Collaboration
Planck intermediate results XXIII. Galactic plane emission components derived from Planck with ancillary data
Astronomy and Astrophysics 580 () A13 , 2015

[10.1051/0004-6361/201424434](https://doi.org/10.1051/0004-6361/201424434)

Ade, PARAgghanim, N.Arnaud, M. et al.Plank Collaboration
Planck intermediate results XXIV. Constraints on variations in fundamental constants
Astronomy and Astrophysics 580 () A22 , 2015

[10.1051/0004-6361/201424496](https://doi.org/10.1051/0004-6361/201424496)

Ade, PARAgghanim, N.Alina, D.et al.Plank Collaboration
Planck intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust
Astronomy and Astrophysics 576 () A104 , 2015

[10.1051/0004-6361/201424082](https://doi.org/10.1051/0004-6361/201424082)

Ade, PARAgghanim, N.Alina, D.et al.Plank Collaboration
Planck intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible
Astronomy and Astrophysics 576 () A106 , 2015

[10.1051/0004-6361/201424087](https://doi.org/10.1051/0004-6361/201424087)

Ade, PARAgghanim, N.Alina, D.et al.Plank Collaboration
Planck intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence
Astronomy and Astrophysics 576 () A105 , 2015

[10.1051/0004-6361/201424086](https://doi.org/10.1051/0004-6361/201424086)

Ade, PARAlves, M.I.R.Aniano, G.et al.Plank Collaboration
Planck intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization
Astronomy and Astrophysics 576 () A107 , 2015

[10.1051/0004-6361/201424088](https://doi.org/10.1051/0004-6361/201424088)

Ade, PARAgghanim, N.Ahmed, Z.et al.Plank Collaboration
Joint Analysis of BICEP2/Keck Array and Planck Data
Physical Review Letters 114 (10) 101301 , 2015

[10.1103/PhysRevLett.114.101301](https://doi.org/10.1103/PhysRevLett.114.101301)

Ade, PARArnold, K.Atlas, M.et al.Polarbear Collaboration
POLARBEAR constraints on cosmic birefringence and primordial magnetic fields
Physical Review D 92 (12) 123509 , 2015

[10.1103/PhysRevD.92.123509](https://doi.org/10.1103/PhysRevD.92.123509)

Aghanim, N.Altieri, B.Arnaud, M. et al.Plank Collaboration

Planck intermediate results XXVII. High-redshift infrared galaxy overdensity candidates and lensed sources discovered by Planck and confirmed by Herschel-SPIRE

Astronomy and Astrophysics 582 () A30 , 2015

[10.1051/0004-6361/201424790](https://doi.org/10.1051/0004-6361/201424790)

Agostiniani, V.Dal Maso, G.DeSimone, A.

Attainment results for nematic elastomers

Proceedings of the Royal Society of Edinburgh A 145 (4) p.p.669-701 , 2015

[10.1017/S0308210515000128](https://doi.org/10.1017/S0308210515000128)

Agrachev, A.A.Rizzi, L.Silveira, P.

On Conjugate Times of LQ Optimal Control Problems

Journal of Dynamical and Control Systems 21 (4) p.p.625-641 , 2015

[10.1007/s10883-014-9251-6](https://doi.org/10.1007/s10883-014-9251-6)

Agrachev, A.A.Rizzi, L.Silveira, P.

Erratum to On Conjugate Times of LQ Optimal Control Problems (J Dyn Control Syst, (2014)

Journal of Dynamical and Control Systems 21 () p.p.309- , 2015

[10.1007/s10883-015-9268-5](https://doi.org/10.1007/s10883-015-9268-5)

Agrachev, A.A.Gentile, A.Lerario, A.

Geodesics and horizontal-path spaces in Carnot groups

Geometry and Topology 19 (3) p.p.1569-1630 , 2015

[10.2140/gt.2015.19.1569](https://doi.org/10.2140/gt.2015.19.1569)

Agrachev, A.A.Stefan, G.Zezza, P.

The second variation at a bang-bang extremal

2001 European Control Conference, ECC 2001 () p.p.1716-1720 , 2015

[abstract](#)

Agrachev, A.A.

Tangent Hyperplanes to Subriemannian Balls

Journal of Dynamical and Control Systems () Article in press , 2015

[10.1007/s10883-015-9296-1](https://doi.org/10.1007/s10883-015-9296-1)

Aiello, M.Eleopra, R.Rumiati, R.I.

Body weight and food intake in Parkinson's disease. A review of the association to non-motor symptoms

Appetite 84 () p.p.204-211 , 2015

[10.1016/j.appet.2014.10.011](https://doi.org/10.1016/j.appet.2014.10.011)

Alba, V.

Eigenstate thermalization hypothesis and integrability in quantum spin chains

Physical Review B 91 (15) 155123 , 2015

[10.1103/PhysRevB.91.155123](https://doi.org/10.1103/PhysRevB.91.155123)

Alishahiha, M.Astaneh, A.F.Fonda, P.Omidi, F.

Entanglement entropy for singular surfaces in hyperscaling violating theories

Journal of High Energy Physics (9) 172 , 2015

[10.1007/JHEP09\(2015\)172](https://doi.org/10.1007/JHEP09(2015)172)

Alouges, F.DeSimone, A.Giraldi, L.et al.
Can Magnetic Multilayers Propel Artificial Microswimmers Mimicking Sperm Cells?
Soft Robotics 2 (3) p.p.117-128 , 2015

[10.1089/soro.2015.0007](https://doi.org/10.1089/soro.2015.0007)

Altafini, C.Lini, G.
Predictable Dynamics of Opinion Forming for Networks With Antagonistic Interactions
IEEE 60 (2) p.p.342-357 , 2015

[10.1109/TAC.2014.2343371](https://doi.org/10.1109/TAC.2014.2343371)

Amaricci, A.Budich, J.C.Capone, M.et al.
First-Order Character and Observable Signatures of Topological Quantum Phase Transitions
Physical Review Letters 114 (18) 185701 , 2015

[10.1103/PhysRevLett.114.185701](https://doi.org/10.1103/PhysRevLett.114.185701)

Ambron, E.Foroni, F.
The attraction of emotions: Irrelevant emotional information modulates motor actions
Psychonomic Bulletin and Review 22 (4) p.p.1117-1123 , 2015

[10.3758/s13423-014-0779-y](https://doi.org/10.3758/s13423-014-0779-y)

Ambron, E.Lingnau, A.Lunardelli, A.et al.
The effect of goals and vision on movements: A case study of optic ataxia and limb apraxia
Brain and Cognition 95 () p.p.77-89 , 2015

[10.1016/j.bandc.2015.01.006](https://doi.org/10.1016/j.bandc.2015.01.006)

Ambron, E.Rumiati, R.I.Foroni, F.
Do emotions or gender drive our actions? A study of motor distractibility
Cognitive Neuroscience () Article in press , 2015

[10.1080/17588928.2015.1085373](https://doi.org/10.1080/17588928.2015.1085373)

Amjad, A.Hernandez-Clavijo, A.Pifferi, S.et al.
Conditional knockout of TMEM16A/anoctamin1 abolishes the calcium-activated chloride current in mouse vomeronasal sensory neurons
Journal of General Physiology 145 (4) p.p.285-301 , 2015

[10.1085/jgp.201411348](https://doi.org/10.1085/jgp.201411348)

Amjad, A.Hernandez, A.Pifferi, S.et al.
Calcium-Activated Chloride Channels in Isolated Mouse Vomeronasal Sensory Neurons
Chemical Senses 40 (3) p.p.287-287 , 2015

Andreini, E.Jiang, Y.Tseng, H.H.
Gromow-witten theory of root gerbes I: structure of genus 0 moduli spaces
Journal of Differential geometry 99 (1) p.p.1-45 , 2015

[abstract](#)

Angel Martinez-Gonzalez, J.Rodriguez, A.Pilar Puyuelo, M.et al.
Further theoretical insight into the reaction mechanism of the hepatitis C NS3/NS4A serine protease
Chemical Physics Letters 619 () p.p.97-102 , 2015

[10.1016/j.cplett.2014.11.041](https://doi.org/10.1016/j.cplett.2014.11.041)

Aquilanti, G. Trapananti, A. Karandikar, A. et al.
Melting of iron determined by X-ray absorption spectroscopy to 100 GPa
Proceedings of the National Academy of Sciences of the United States of America 112 (39) p.p.12042-12045 , 2015

[10.1073/pnas.1502363112](https://doi.org/10.1073/pnas.1502363112)

Arabito, S. Pitrelli, N.
Open Science training and education: Challenges and difficulties on the researchers' side and in public engagement
Journal of Science Communication 14 (4) C01 , 2015

[abstract](#)

Argurio, R. Bertolini, M. Musso, D. et al.
Holographic Goldstino
Physical Review D 91 (12) 126016 , 2015

[10.1103/PhysRevD.91.126016](https://doi.org/10.1103/PhysRevD.91.126016)

Arnaud, M. Atrio-Barandela, F. Aumont, J. et al.
Planck intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae
Astronomy and Astrophysics 573 () A6 , 2015

[10.1051/0004-6361/201423836](https://doi.org/10.1051/0004-6361/201423836)

Aversa, R. Lapi, A. de Zotti, G. et al.
Black hole and galaxy coevolution from continuity equation and abundance matching
Astrophysical Journal 810 (1) 0 , 2015

[10.1088/0004-637X/810/1/74](https://doi.org/10.1088/0004-637X/810/1/74)

Azadpour, M. Balaban, E.
A proposed mechanism for rapid adaptation to spectrally distorted speech
Journal of the Acoustical Society of America 138 (1) p.p.44-57 , 2015

[10.1121/1.4922226](https://doi.org/10.1121/1.4922226)

Babcock, L. Vallesi, A.
The interaction of process and domain in prefrontal cortex during inductive reasoning
Neuropsychologia 67 () p.p.91-99 , 2015

[10.1016/j.neuropsychologia.2014.12.010](https://doi.org/10.1016/j.neuropsychologia.2014.12.010)

Bacsó, V. Defenu, N. Trombettoni, A. et al.
C-function and central charge of the sine-Gordon model from the non-perturbative renormalization group flow
Nuclear Physics B 901 () p.p.444-460 , 2015

[10.1016/j.nuclphysb.2015.11.001](https://doi.org/10.1016/j.nuclphysb.2015.11.001)

Baggio, G. van Lambalgen, M. Hagoort, P.
Logic as Marr's Computational Level: Four Case Studies
Topics in cognitive science 7 (2) p.p.287-298 , 2015

[10.1111/tops.12125](https://doi.org/10.1111/tops.12125)

Bahns, D. Doplicher, S. Morsella, G. et al.
Quantum spacetime and algebraic quantum field theory
Advances in Algebraic Quantum Field Theory () p.p.289-329 , 2015

[10.1007/978-3-319-21353-8_7](https://doi.org/10.1007/978-3-319-21353-8_7)

Baldassarre, L.Perucchi, A.Mitrano, M.et al.
The strength of electron electron correlation in Cs3C60
Scientific Reports 5 () 15240 , 2015

[10.1038/srep15240](https://doi.org/10.1038/srep15240)

Baldi, Ranieri D.Capetti, A.Giovannini, G.
Pilot study of the radio-emitting AGN population: the emerging new class of FR 0 radio-galaxies
Astronomy and Astrophysics 576 () A38 , 2015

[10.1051/0004-6361/201425426](https://doi.org/10.1051/0004-6361/201425426)

Baldi, Ranieri D.Giroletti, M.Capetti, A.et al.
Molecular gas and nuclear activity in early-type galaxies: any link with radio loudness?
Astronomy and Astrophysics 574 () A65 , 2015

[10.1051/0004-6361/201425131](https://doi.org/10.1051/0004-6361/201425131)

Ballarin, F.Manzoni, A.Quarteroni, A.et al.
Supremizer stabilization of POD-Galerkin approximation of parametrized steady incompressible Navier-Stokes equations
International Journal for Numerical Methods in Engineering 102 (5) p.p.1136-1161 , 2015

[10.1002/nme.4772](https://doi.org/10.1002/nme.4772)

Balogh, F.
Discrete matrix models for partial sums of conformal blocks associated to Painlevé transcendents
Nonlinearity 28 (1) p.p.43-55 , 2015

[10.1088/0951-7715/28/1/43](https://doi.org/10.1088/0951-7715/28/1/43)

Balogh, F.Merzi, D.
Equilibrium Measures for a Class of Potentials with Discrete Rotational Symmetries
Constructive Approximation 42 (3) p.p.399-424 , 2015

[10.1007/s00365-015-9283-5](https://doi.org/10.1007/s00365-015-9283-5)

Balogh, F.Bertola, M.Lee, S.Y.et al.
Strong Asymptotics of the Orthogonal Polynomials with Respect to a Measure Supported on the Plane
Communications on Pure and Applied Mathematics 68 (1) p.p.112-172 , 2015

[10.1002/cpa.21541](https://doi.org/10.1002/cpa.21541)

Barberan, N.Dagnino, D.Angel Garcia-March, M.et al.
Quantum simulation of conductivity plateaux and fractional quantum Hall effect using ultracold atoms
New Journal of Physics 17 () 125009 , 2015

[10.1088/1367-2630/17/12/125009](https://doi.org/10.1088/1367-2630/17/12/125009)

Barchiesi, M.DeSimone, A.
Frank energy for nematic elastomers: a nonlinear model
Esaim control optimisation and calculus of variations 21 (2) p.p.372-377 , 2015

[10.1051/cocv/2014022](https://doi.org/10.1051/cocv/2014022)

Bartocci, C.Bruzzo, U.Rava, C.et al.
Monads for framed sheaves on Hirzebruch surfaces
Advances in Geometry 25 (1) p.p.55-76 , 2015

[10.1515/advgeom-2014-0027](https://doi.org/10.1515/advgeom-2014-0027)

Baruselli, P.P.Requist, R.Smogunov, A.et al.
Co adatoms on Cu surfaces: Ballistic conductance and Kondo temperature
Physical Review B 92 (4) 045119 , 2015

[10.1103/PhysRevB.92.045119](https://doi.org/10.1103/PhysRevB.92.045119)

Basu, U.Maes, C.Netocny, K.
Statistical forces from close-to-equilibrium media
New Journal of Physics 17 () 115006 , 2015

[10.1088/1367-2630/17/11/115006](https://doi.org/10.1088/1367-2630/17/11/115006)

Batic, D.Williams, Runako
The two-point connection problem for a sub-class of the Heun equation
Journal of Inequalities and Special Functions 6 (1) p.p.1-11 , 2015

Battaglia, L.
Existence and multiplicity result for the singular Toda system
Journal of Mathematical Analysis and Applications 424 (1) p.p.49-85 , 2015

[10.1016/j.jmaa.2014.10.081](https://doi.org/10.1016/j.jmaa.2014.10.081)

Battaglia, L.Mancini, G.
Partial Differential Equation - A note on compactness properties of the singular Toda system
Rendiconti Lincei-Matematica e Applicazioni 26 (3) p.p.299-307 , 2015

[10.4171/RLM/708](https://doi.org/10.4171/RLM/708)

Battaglia, L.Jevnikar, A.Malchiodi, A.et al.
A general existence result for the Toda system on compact surfaces
Advances in Mathematics 285 () p.p.937-979 , 2015

[10.1016/j.aim.2015.07.036](https://doi.org/10.1016/j.aim.2015.07.036)

Baumeister, J.C.Rumiati, R.I.Foroni, F.
When the mask falls: The role of facial motor resonance in memory for emotional language
Acta Psychologica 155 () p.p.29-36 , 2015

[10.1016/j.actpsy.2014.11.012](https://doi.org/10.1016/j.actpsy.2014.11.012)

Bawane, A.Bonelli, G.Ronzani, M.et al.
N=2 supersymmetric gauge theories on S-2 x S-2 and Liouville Gravity
Journal of High Energy Physics (7) 054 , 2015

[10.1007/JHEP07\(2015\)054](https://doi.org/10.1007/JHEP07(2015)054)

Becca, F.Sorella, S.
Quantum magnets: Break it up
Nature Physics 11 (1) p.p.9-10 , 2015

[10.1038/nphys3213](https://doi.org/10.1038/nphys3213)

Becca, F.Hu, W.-J.Iqbal, Y.et al.
Lanczos steps to improve variational wave functions
Journal of Physics: Conference Series 640 (1) p.p.Conference paper- , 2015

[10.1088/1742-6596/640/1/012039](https://doi.org/10.1088/1742-6596/640/1/012039)

Belenchia, A. Benincasa, D. Liberati, S.
Nonlocal scalar quantum field theory from causal sets
Journal of High Energy Physics (3) 036, 2015

[10.1007/JHEP03\(2015\)036](https://doi.org/10.1007/JHEP03(2015)036)

Benassi, A. Ma, M. Urbakh, M. et al.
The breakdown of superlubricity by driving-induced commensurate dislocations
Scientific Reports 5 () 16134, 2015

[10.1038/srep16134](https://doi.org/10.1038/srep16134)

Benavides-Varela, S. Mehler, J.
Verbal Positional Memory in 7-Month-Olds
Child Development 86 (1) p.p.209-223, 2015

[10.1111/cdev.12291](https://doi.org/10.1111/cdev.12291)

Benetti, F. Legname, G.
New insights into structural determinants of prion protein folding and stability
Prion 9 (2) p.p.119-124, 2015

[10.1080/19336896.2015.1022023](https://doi.org/10.1080/19336896.2015.1022023)

Benner, P. Ohlberger, M. Patera, Anthony T. et al.
Model order reduction of parameterized systems (MoRePaS)
Advances in Computational Mathematics 41 (5) p.p.955-960, 2015

[10.1007/s10444-015-9443-y](https://doi.org/10.1007/s10444-015-9443-y)

Bernardini, A.E. Cavalcanti, R.T. da Rocha, R.
Spherically symmetric thick branes cosmological evolution
General Relativity and Gravitation 47 (1) p.p.1-17, 2015

[10.1007/s10714-014-1840-x](https://doi.org/10.1007/s10714-014-1840-x)

Berti, M. Corsi, L. Procesi, M. et al.
An Abstract Nash-Moser Theorem and Quasi-Periodic Solutions for NLW and NLS on Compact Lie Groups and Homogeneous Manifolds
Communications in Mathematical Physics 334 (3) p.p.1413-1454, 2015

[10.1007/s00220-014-2128-4](https://doi.org/10.1007/s00220-014-2128-4)

Berti, M. Bolle, P.
A nash-moser approach to KAM theory
Hamiltonian Partial Differential Equations and Applications 75 () p.p.255-284, 2015

[10.1007/978-1-4939-2950-4_9](https://doi.org/10.1007/978-1-4939-2950-4_9)

Bertola, M. Giavedoni, P.
A degeneration of two-phase solutions of the focusing nonlinear Schrodinger equation via Riemann-Hilbert problems
Journal of Mathematical Physics 56 (6) 061507, 2015

[10.1063/1.4922362](https://doi.org/10.1063/1.4922362)

Bertola, M. Yang, D.
The partition function of the extended r-reduced Kadomtsev-Petviashvili hierarchy
Journal of Physics A 48 (19) 195205, 2015

[10.1088/1751-8113/48/19/195205](https://doi.org/10.1088/1751-8113/48/19/195205)

Bertolini, M.Musso, D.Papadimitriou, I.et al.
A goldstino at the bottom of the cascade
Journal of High Energy Physics (11) 184 , 2015

[10.1007/JHEP11\(2015\)184](https://doi.org/10.1007/JHEP11(2015)184)

Bertolini, S.Di Luzio, L.Kolesova, H.et al.
Massive neutrinos and invisible axion minimally connected
Physical Review D 91 (5) 055014 , 2015

[10.1103/PhysRevD.91.055014](https://doi.org/10.1103/PhysRevD.91.055014)

Bettoni, D.Liberati, S.
Dynamics of non-minimally coupled perfect fluids
Journal of Cosmology and Astroparticle Physics (8) 023 , 2015

[10.1088/1475-7516/2015/08/023](https://doi.org/10.1088/1475-7516/2015/08/023)

Bianchini, F.Bielewicz, P.Lapi, A.et al.
Cross-correlation between the CMB lensing potential measured by Planck and high-z sub-mm galaxies detected by the Herschel-ATLAS survey
Astrophysical Journal 802 (1) 64 , 2015

[10.1088/0004-637X/802/1/64](https://doi.org/10.1088/0004-637X/802/1/64)

Bianchini, S.Modena, S.
Quadratic Interaction Functional for General Systems of Conservation Laws
Communications in Mathematical Physics 338 (3) p.p.1075-1152 , 2015

[10.1007/s00220-015-2372-2](https://doi.org/10.1007/s00220-015-2372-2)

Bianchini, S.Yu, L.
Structure of entropy solutions to general scalar conservation laws in one space dimension
Journal of Mathematical Analysis and Applications 428 (1) p.p.356-386 , 2015

[doi:10.1016/j.jmaa.2015.03.006](https://doi.org/10.1016/j.jmaa.2015.03.006)

Biffi, V.Valdarnini, R.
The role of the artificial conductivity in SPH simulations of galaxy clusters: effects on the ICM properties
Monthly Notices of the Royal Astronomical Society 446 (3) p.p.2802-2822 , 2015

[10.1093/mnras/stu2278](https://doi.org/10.1093/mnras/stu2278)

Blair, D.Yu, L.Zhao, C.et al.
Gravitational wave astronomy: the current status
Science China-Physics Mechanics and Astronomy 58 (12) 120402 , 2015

[10.1007/s11433-015-5748-6](https://doi.org/10.1007/s11433-015-5748-6)

Blass, T.Fonseca, I.Leoni, G.et al.
Dynamics for systems of screw dislocations
Siam Journal on Applied Mathematics 75 (2) p.p.393-419 , 2015

[10.1137/140980065](https://doi.org/10.1137/140980065)

Boccaccio, A.De Palo, G.Miri, A.et al.
A dynamical feedback model for adaptation in the olfactory transduction pathway (Abstract)
Chemical Senses 40 (3) p.p.218-219 , 2015

Bolognesi, M.L.Legname, G.
Approaches for discovering anti-prion compounds: lessons learned and challenges ahead
Expert Opinion on Drug Discovery 10 (4) p.p.389-397 , 2015

[10.1517/17460441.2015.1016498](https://doi.org/10.1517/17460441.2015.1016498)

Bolognesi, M.L.Bongarzone, S.Aulic, S.et al.
Rational approach to an antiprion compound with a multiple mechanism of action
Future Medicinal Chemistry 7 (16) p.p.2113-2120 , 2015

[10.4155/fmc](https://doi.org/10.4155/fmc)

Bonacini, M.Morini, M.
Stable regular critical points of the Mumford-Shah functional are local minimizers
Annales de L'Institut Henry Poincare-Analyse non Lineaire 32 (3) p.p.533-570 , 2015

[10.1016/j.anihpc.2014.01.006](https://doi.org/10.1016/j.anihpc.2014.01.006)

Bonacini, M.
Stability of equilibrium configurations for elastic films in two and three dimensions
Advances in Calculus of Variations 8 (2) p.p.117-153 , 2015

[10.1515/acv-2013-0018](https://doi.org/10.1515/acv-2013-0018)

Bonato, M.Negrello, M.Cai, Z. -Yet al.
Predictions for surveys with the SPICA Mid-infrared Instrument
Monthly Notices of the Royal Astronomical Society 452 (1) p.p.356-367 , 2015

[10.1093/mnras/stv1316](https://doi.org/10.1093/mnras/stv1316)

Bonelli, G.Sciarappa, A.Tanzini, A.et al.
Vortex Partition Functions, Wall Crossing and Equivariant Gromov-Witten Invariants
Communications in Mathematical Physics 333 (2) p.p.717-760 , 2015

[10.1007/s00220-014-2193-8](https://doi.org/10.1007/s00220-014-2193-8)

Bonora, L.Bytsenko, A.A.Chaichian, M.
Elliptic genera and characteristic q-series of superconformal field theory
Nuclear Physics B 895 () p.p.192-205 , 2015

[10.1016/j.nuclphysb.2015.03.030](https://doi.org/10.1016/j.nuclphysb.2015.03.030)

Bonora, L.de Brito, K. P. S.da Rocha, R.
Spinor fields classification in arbitrary dimensions and new classes of spinor fields on 7-manifolds
Journal of High Energy Physics (2) 069 , 2015

[10.1007/JHEP02\(2015\)069](https://doi.org/10.1007/JHEP02(2015)069)

Bonora, L.Pereira, A.D.de Souza, B.L.

Regularization of energy-momentum tensor correlators and parity-odd terms
Journal of High Energy Physics (6) 024 , 2015

[10.1007/JHEP06\(2015\)024](https://doi.org/10.1007/JHEP06(2015)024)

Boralevi, A.Mezzetti, E.

Planes of matrices of constant rank and globally generated vector bundles
Annales de l'Institut Fourier 65 (5) p.p.2069-2089 , 2015

Boscain, U.Piccolo, B.

Generic planar systems: Singularities of the extremal time
2001 European Control Conference, ECC 2001 () p.p.1732-1737 , 2015

Boscain, U.Chitour, Y.Piccoli, B.

Time optimal control of a satellite with two rotors
2001 European Control Conference, ECC 2001 () p.p.1721-1725 , 2015

Bosi, S.Rauti, R.Laishram, J.et al.

From 2D to 3D: novel nanostructured scaffolds to investigate signalling in reconstructed neuronal networks
Scientific Reports 5 () 9562 , 2015

[10.1038/srep09562](https://doi.org/10.1038/srep09562)

Bossini, D.Miglio, A.Salaris, M.et al.

Uncertainties on near-core mixing in red-clump stars: effects on the period spacing and on the luminosity of the AGB bump
Monthly Notices of the Royal Astronomical Society 453 (3) p.p.2290-2301 , 2015

[10.1093/mnras/stv1738](https://doi.org/10.1093/mnras/stv1738)

Brederoo, S.G.Bos, L.S.Dragoy, O.et al.

Gamma oscillations as a neural signature of shifting times in narrative language
Plos One 10 (4) e0121146 , 2015

[10.1371/journal.pone.0121146](https://doi.org/10.1371/journal.pone.0121146)

Brusini, P.Brun, M.Brunet, I.et al.

Listeners Exploit Syntactic Structure On-Line to Restrict Their Lexical Search to a Subclass of Verbs
Frontiers in Psychology 6 () 1841 , 2015

[10.3389/fpsyg.2015.01841](https://doi.org/10.3389/fpsyg.2015.01841)

Bruzzo, U.Sala, F.Szabo, R.I.

N=2 Quiver Gauge Theories on A-type ALE Spaces
Letters in Mathematical Physics 105 (3) p.p.401-445 , 2015

[10.1007/s11005-014-0734-x](https://doi.org/10.1007/s11005-014-0734-x)

Bruzzo, U.Sala, F.Pedrini, M.

Framed sheaves on projective stacks
Advances in Mathematics 272 () p.p.20-95 , 2015

[10.1016/j.aim.2014.11.019](https://doi.org/10.1016/j.aim.2014.11.019)

Bruzzo, U.Mencattini, I.Rubtsov, V.N.et al.
Nonabelian holomorphic Lie algebroid extensions
International Journal of Mathematics 26 (5) 1550040 , 2015
[10.1142/S0129167X15500408](https://doi.org/10.1142/S0129167X15500408)

Buccheri, F.Babujian, H.Korepin, V.E.
Thermodynamics of the topological Kondo model
Nuclear Physics B 896 () p.p.52-79 , 2015
[10.1016/j.nuclphysb.2015.04.016](https://doi.org/10.1016/j.nuclphysb.2015.04.016)

Burrello, M.Rizzi, M.Roncaglia, M.et al.
Strongly correlated states of trapped ultracold fermions in deformed Landau levels
Physical Review B 91 (11) 115117 , 2015
[10.1103/PhysRevB.91.115117](https://doi.org/10.1103/PhysRevB.91.115117)

Busoni, G.De Simone, A.Jacques, T.et al.
Making the most of the relic density for dark matter searches at the LHC 14 TeV Run
Journal of Cosmology and Astroparticle Physics (3) 022 , 2015
[10.1088/1475-7516/2015/03/022](https://doi.org/10.1088/1475-7516/2015/03/022)

Cabo-Bizet, A.Gava, E.Giraldo-Rivera, V.I.et al.
Partition function of N=2 gauge theories on a squashed S⁴ with SU(2) x U(1) isometry
Nuclear Physics B 899 () p.p.149-164 , 2015
[10.1016/j.nuclphysb.2015.07.029](https://doi.org/10.1016/j.nuclphysb.2015.07.029)

Cabo-Bizet, A.Giraldo-Rivera, V.I.
About the phase space of SL(3) black holes
Journal of High Energy Physics (3) 081 , 2015
[10.1007/JHEP03\(2015\)081](https://doi.org/10.1007/JHEP03(2015)081)

Calabrese, M.Carbone, C.Fabbian, G.et al.
Multiple lensing of the cosmic microwave background anisotropies
Journal of Cosmology and Astroparticle Physics (3) 049 , 2015
[10.1088/1475-7516/2015/03/049](https://doi.org/10.1088/1475-7516/2015/03/049)

Calabrese, P.Cardv, J.Tonni, E.
Finite temperature entanglement negativity in conformal field theory
Journal of Physics A 48 (1) 015006 , 2015
[10.1088/1751-8113/48/1/015006](https://doi.org/10.1088/1751-8113/48/1/015006)

Calabrese, P.Le Doussal, P.Majumdar, S.N.
Random matrices and entanglement entropy of trapped Fermi gases
Physical Review A 91 (1) 012303 , 2015
[10.1103/PhysRevA.91.012303](https://doi.org/10.1103/PhysRevA.91.012303)

Calabrese, P.
Non-equilibrium dynamics of isolated quantum systems
EPJ Web of Conferences 90 () p.p.UNSP 08001- , 2015
[10.1051/epjconf/20159008001](https://doi.org/10.1051/epjconf/20159008001)

- Calligari, P.A.Calandrini, V.Ollivier, J.et al.
Adaptation of Extremophilic Proteins with Temperature and Pressure: Evidence from Initiation Factor 6
Journal of Physical Chemistry B 119 (25) p.p.7860-7873 , 2015
[10.1021/acs.jpcc.5b02034](https://doi.org/10.1021/acs.jpcc.5b02034)
- Calligaris, R.Banica, M.Roncaglia, P.et al.
Blood transcriptomics of drug-naive sporadic Parkinson's disease patients
BMC Genomics 16 () 876 , 2015
[10.1186/s12864-015-2058-3](https://doi.org/10.1186/s12864-015-2058-3)
- Campanella, F.Fabbro, F.Ius, T.et al.
Acute effects of surgery on emotion and personality of brain tumor patients: surgery impact, histological aspects, and recovery
Neuro-oncology 17 (8) p.p.1121-1131 , 2015
[10.1093/neuonc/nov065](https://doi.org/10.1093/neuonc/nov065)
- Caniparoli, L.O'Brien, E.P.
Modeling the effect of codon translation rates on co-translational protein folding mechanisms of arbitrary complexity
Journal of Chemical Physics 142 (14) 145102 , 2015
[10.1063/1.4916914](https://doi.org/10.1063/1.4916914)
- Capozza, R.Benassi, A.Vanossi, A.et al.
Electrical charging effects on the sliding friction of a model nano-confined ionic liquid
Journal of Chemical Physics 143 (14) 144703 , 2015
[10.1063/1.4933010](https://doi.org/10.1063/1.4933010)
- Capozza, R.Pugno, N.
Effect of Surface Grooves on the Static Friction of an Elastic Slider
Tribology Letters 58 (3) 35 , 2015
[10.1007/s11249-015-0510-9](https://doi.org/10.1007/s11249-015-0510-9)
- Capozza, R.Vanossi, A.Benassi, A.et al.
Squeezout phenomena and boundary layer formation of a model ionic liquid under confinement and charging
Journal of Chemical Physics 142 (6) 064707 , 2015
[10.1063/1.4907747](https://doi.org/10.1063/1.4907747)
- Caraglio, M.Micheletti, C.Orlandini, E.
Stretching Response of Knotted and Unknotted Polymer Chains
Physical Review Letters 115 (18) 188301 , 2015
[10.1103/PhysRevLett.115.188301](https://doi.org/10.1103/PhysRevLett.115.188301)
- Carey, A.Grosse, H.Kaad, J.
Anomalies of Dirac Type Operators on Euclidean Space
Communications in Mathematical Physics 335 (1) p.p.445-475 , 2015
[10.1007/s00220-014-2204-9](https://doi.org/10.1007/s00220-014-2204-9)
- Carioli, A.Musina, R.
The homogeneous Henon-Lane-Emden system
Nonlinear Differential Equations and Applications 22 (5) p.p.1445-1459 , 2015
[10.1007/s00030-015-0330-5](https://doi.org/10.1007/s00030-015-0330-5)

- Carmona-Loaiza, J.M.Colpi, M.Dotti, M.et al.
Overlapping inflows as catalysts of AGN activity - II. Relative importance of turbulence and inflow-disc interaction
Monthly Notices of the Royal Astronomical Society 453 (2) p.p.1608-1618 , 2015
[10.1093/mnras/stv1749](https://doi.org/10.1093/mnras/stv1749)
- Carnaghi, A.Silveri, M.C.Rumiati, R.I.
On the Relationship Between Semantic Knowledge and Prejudice About Social Groups in Patients with Dementia
Cognitive and Behavioral Neurology 28 (2) p.p.71-79 , 2015
- Carniani, S.Maiolino, R.de Zotti, G.et al.
ALMA constraints on the faint millimetre source number counts and their contribution to the cosmic infrared background
Astronomy and Astrophysics 584 () A78 , 2015
[10.1051/0004-6361/201525780](https://doi.org/10.1051/0004-6361/201525780)
- Carrasco, N.Lubics, V.Martinelli, G.et al.
QED corrections to hadronic processes in lattice QCD
Physical Review D 91 (7) 074506 , 2015
[10.1103/PhysRevD.91.074506](https://doi.org/10.1103/PhysRevD.91.074506)
- Carrieri, C.Forrest, A.R.R.Santoro, C.et al.
Expression analysis of the long non-coding RNA antisense to Uchl1 (AS Uchl1) during dopaminergic cells' differentiation in vitro and in neurochemical models of Parkinson's disease
Frontiers in Cellular Neuroscience 9 () 114 , 2015
[10.3389/fncel.2015.00114](https://doi.org/10.3389/fncel.2015.00114)
- Carucci, I.P.Villaescusa-Navarro, F.Viel, M.et al.
Warm dark matter signatures on the 21cm power spectrum: intensity mapping forecasts for SKA
Journal of Cosmology and Astroparticle Physics (7) 047 , 2015
[10.1088/1475-7516/2015/07/047](https://doi.org/10.1088/1475-7516/2015/07/047)
- Carulla, P.Llorens, F.Matamoros-Angles, A.et al.
Involvement of PrP C in kainate-induced excitotoxicity in several mouse strains
Scientific Reports 5 () 11971 , 2015
[10.1038/srep11971](https://doi.org/10.1038/srep11971)
- Caruso, V.Balaban, E.
Auditory Perceptual Category Formation Does Not Require Perceptual Warping
Journal of Cognitive Neuroscience 27 (8) p.p.1659-1673 , 2015
[10.1162/jocn_a_00806](https://doi.org/10.1162/jocn_a_00806)
- Casati, M.
On Deformations of Multidimensional Poisson Brackets of Hydrodynamic Type
Communications in Mathematical Physics 335 (2) p.p.851-894 , 2015
[10.1007/s00220-014-2219-2](https://doi.org/10.1007/s00220-014-2219-2)
- Castignani, G.De Zotti, G.
AGN torus emission for a homogeneous sample of bright flat-spectrum radio quasars
Astronomy and Astrophysics 573 () A125 , 2015
[10.1051/0004-6361/201423903](https://doi.org/10.1051/0004-6361/201423903)

Castorina, E.Carbone, C.Bel, J.et al.
DEMNUi: the clustering of large-scale structures in the presence of massive neutrinos
Journal of Cosmology and Astroparticle Physics (7) 043 , 2015
[10.1088/1475-7516/2015/07/043](https://doi.org/10.1088/1475-7516/2015/07/043)

Cavallini, N.Weeger, O.Pauletti, M.S.et al.
Effective integration of sophisticated operators in isogeometric analysis with igatools
Lecture Notes in Computational Science and Engineering 107 () p.p.209-230 , 2015
[10.1007/978-3-319-23315-4_9](https://doi.org/10.1007/978-3-319-23315-4_9)

Cecotti, S.
Supersymmetric field theories: Geometric structures and dualities
Supersymmetric Field Theories: Geometric Structures and Dualities () p.p.1-410 , 2015
[10.1017/CBO9781107284203](https://doi.org/10.1017/CBO9781107284203)

Cecotti, S.Del Zotto, M.
Higher S-dualities and Shephard-Todd groups
Journal of High Energy Physics (9) 35 , 2015
[10.1007/JHEP09\(2015\)035](https://doi.org/10.1007/JHEP09(2015)035)

Cenedese, V.Mezzavilla, M.Morgan, A.et al.
Assessment of the Olfactory Function in Italian Patients with Type 3 von Willebrand Disease Caused by a Homozygous 253 Kb Deletion Involving VWF and TMEM16B/ANO2
Plos One 10 (1) e0116483 , 2015
[10.1371/journal.pone.0116483](https://doi.org/10.1371/journal.pone.0116483)

Chala, M.Juknevič, J.Perez, G.et al.
The elusive gluon
Journal of High Energy Physics (1) 092 , 2015
[10.1007/JHEP01\(2015\)092](https://doi.org/10.1007/JHEP01(2015)092)

Chan, E.MacPherson, S.E.Robinson, G.et al.
Limitations of the Trail Making Test Part-B in Assessing Frontal Executive Dysfunction
Journal of the International Neuropsychological Society 21 (2) p.p.169-174 , 2015
[10.1017/S135561771500003X](https://doi.org/10.1017/S135561771500003X)

Chen, P.Quarteroni, A.Rozza, G.
Multilevel and weighted reduced basis method for stochastic optimal control problems constrained by Stokes equations
Numerische Mathematik () Art, in press , 2015
[10.1007/s00211-015-0743-4](https://doi.org/10.1007/s00211-015-0743-4)

Chen, Y.Bressan, A.Girardi, L.et al.
PARSEC evolutionary tracks of massive stars up to 350 M-circle dot at metallicities $0.0001 \leq Z \leq 0.04$
Monthly Notices of the Royal Astronomical Society 452 (1) p.p.1068-1080 , 2015
[10.1093/mnras/stv1281](https://doi.org/10.1093/mnras/stv1281)

Cherian, O.L.Menini, A.Boccaccio, A.
Multiple effects of anthracene-9-carboxylic acid on the TMEM16B/anoctamin2 calcium-activated chloride channel
Biochimica et Biophysica Acta-Biomembranes 1848 (4) p.p.1005-1013 , 2015
[10.1016/j.bbamem.2015.01.009](https://doi.org/10.1016/j.bbamem.2015.01.009)

Cherubini, E.Miles, R.

The CA3 region of the hippocampus: how is it? What is it for? How does it do it?
Frontiers in Cellular Neuroscience 9 () 19 , 2015

[10.3389/fncel.2015.00019](https://doi.org/10.3389/fncel.2015.00019)

Chiocchetta, A.Tavora, M.Gambassi, A.et al.

Short-time universal scaling in an isolated quantum system after a quench
Physical Review B 91 (22) 220302 , 2015

[10.1103/PhysRevB.91.220302](https://doi.org/10.1103/PhysRevB.91.220302)

Chirco, G.Rovelli, C.Ruggiero, P.

Thermally correlated states in loop quantum gravity
Classical and Quantum Gravity 32 (3) 035011 , 2015

[10.1088/0264-9381/32/3/035011](https://doi.org/10.1088/0264-9381/32/3/035011)

Christ, N.H.Feng, X.Martinelli, G.et al.

Effects of finite volume on the K-L - K-S mass difference
Physical Review D 91 (11) 114510 , 2015

[10.1103/PhysRevD.91.114510](https://doi.org/10.1103/PhysRevD.91.114510)

Cicconofri, G.DeSimone, A.

Motility of a model bristle-bot: A theoretical analysis
International Journal of Nonlinear Mechanics 76 () p.p.233-239 , 2015

[10.1016/j.ijnonlinmec.2014.12.010](https://doi.org/10.1016/j.ijnonlinmec.2014.12.010)

Cicconofri, G.DeSimone, A.

Limbless locomotion on solid surfaces: A case study in soft bio-inspired robotics
IFAC Proceedings 48 (1) p.p.827-828 , 2015

[10.1016/j.ifacol.2015.05.178](https://doi.org/10.1016/j.ifacol.2015.05.178)

Cicconofri, G.DeSimone, A.

A study of snake-like locomotion through the analysis of a flexible robot model
Proceedings of the Royal Society A 471 (2184) 20150054 , 2015

[10.1098/rspa.2015.0054](https://doi.org/10.1098/rspa.2015.0054)

Cipolotti, L.Healy, C.Chan, E.et al.

The effect of age on cognitive performance of frontal patients
Neuropsychologia 75 () p.p.233-241 , 2015

[10.1016/j.neuropsychologia.2015.06.011](https://doi.org/10.1016/j.neuropsychologia.2015.06.011)

Cipolotti, L.Healy, C.Chan, E.et al.

The impact of different aetiologies on the cognitive performance of frontal patients
Neuropsychologia 68 () p.p.21-30 , 2015

[10.1016/j.neuropsychologia.2014.12.025](https://doi.org/10.1016/j.neuropsychologia.2014.12.025)

Cipolotti, L.Healy, C.Spanò, B.et al.

Strategy and suppression impairments after right lateral prefrontal and orbito-frontal lesions
Brain () Art, in press , 2015

[10.1093/brain/awv269](https://doi.org/10.1093/brain/awv269)

Civai, C.Miniussi, C.Rumiati, R.I.

Medial prefrontal cortex reacts to unfairness if this damages the self: a tDCS study
Social Cognitive and Affective Neuroscience 10 (8) p.p.1054-1060 , 2015

[10.1093/scan/nsu154](https://doi.org/10.1093/scan/nsu154)

Clark, C.J.R.Dunne, L.Gomez, H.et al.

Herschel-ATLAS: the surprising diversity of dust-selected galaxies in the local submillimetre Universe
Monthly Notices of the Royal Astronomical Society 452 (1) p.p.397-430 , 2015

[10.1093/mnras/stv1276](https://doi.org/10.1093/mnras/stv1276)

Codello, A.Defenu, N.D'Odorico, G.

Critical exponents of $O(N)$ models in fractional dimensions
Physical Review D 91 (10) 105003 , 2015

[10.1103/PhysRevD.91.105003](https://doi.org/10.1103/PhysRevD.91.105003)

Codello, A.

Renormalization group flow equations for the proper vertices of the background effective average action
Physical Review D 91 (6) 065032 , 2015

[10.1103/PhysRevD.91.065032](https://doi.org/10.1103/PhysRevD.91.065032)

Collura, M.Calabrese, P.Essler, F.H.L.

Quantum quench within the gapless phase of the spin-1/2 Heisenberg XXZ spin chain
Physical Review B 92 (12) 125131 , 2015

[10.1103/PhysRevB.92.125131](https://doi.org/10.1103/PhysRevB.92.125131)

Coloma, P.Dobrescu, B.A.Lopez-Pavon, J.

Right-handed neutrinos and the 2 TeV W' boson
Physical Review D 92 (11) 115023 , 2015

[10.1103/PhysRevD.92.115023](https://doi.org/10.1103/PhysRevD.92.115023)

Coluzza, I.Jackson, S.E.Micheletti, C.et al.

Knots in soft condensed matter Preface
Journal of Physics-Condensed Matter 27 (35) 350301 , 2015

[10.1088/0953-8984/27/35/350301](https://doi.org/10.1088/0953-8984/27/35/350301)

Constantinou, M.Costa, M.Frezzotti, R.et al.

Renormalization of the chromomagnetic operator on the lattice
Physical Review D 92 (3) 034505 , 2015

[10.1103/PhysRevD.92.034505](https://doi.org/10.1103/PhysRevD.92.034505)

Constantinou, M.Costa, M.Frezzotti, R.et al.

Perturbative and non-perturbative renormalization results of the Chromomagnetic Operator on the Lattice
PoS LATTICE2014 () p.p.Conference paper- , 2015

Correa, R.A.C.da Rocha, R.

Configurational entropy in brane-world models
European Physical Journal C 75 (11) 522 , 2015

[10.1140/epjc/s10052-015-3735-8](https://doi.org/10.1140/epjc/s10052-015-3735-8)

Correa, R.A.C.da Rocha, R.de Souza Dutra, A.
D-oscillons in the standard model extension
Physical Review D 91 (12) 125021 , 2015

[10.1103/PhysRevD.91.125021](https://doi.org/10.1103/PhysRevD.91.125021)

Correggi, M.Dell'Antonio, G.Finco, D.et al.
A Class of Hamiltonians for a Three-Particle Fermionic System at Unitarity
Mathematical Physics Analysis and Geometry 18 (1) 32 , 2015

[10.1007/s11040-015-9195-4](https://doi.org/10.1007/s11040-015-9195-4)

Coser, A.Tonni. E.Calabrese, P.
Partial transpose of two disjoint blocks in XY spin chains
Journal of Statistical Mechanics-Theory and Experiment () P08005 , 2015

[10.1088/1742-5468/2015/08/P08005](https://doi.org/10.1088/1742-5468/2015/08/P08005)

Creminelli, P.Dubovsky, S.Lopez Nacir, D.et al.
Implications of the scalar tilt for the tensor-to-scalar ratio
Physical Review D 92 (12) 123528 , 2015

[10.1103/PhysRevD.92.123528](https://doi.org/10.1103/PhysRevD.92.123528)

Creminelli, P.Lopez Nacir, D.Simonovic, M.et al.
Detecting primordial B-modes after Planck
Journal of Cosmology and Astroparticle Physics (11) 031 , 2015

[10.1088/1475-7516/2015/11/031](https://doi.org/10.1088/1475-7516/2015/11/031)

Creminelli, P.Serone, M.Trevisan, G.et al.
Inequivalence of coset constructions for spacetime symmetries
Journal of High Energy Physics (2) 037 , 2015

[10.1007/JHEP02\(2015\)037](https://doi.org/10.1007/JHEP02(2015)037)

Cubero, A.C.
Confinement-Higgs phase crossover as a lattice artifact in 1+1 dimensions
Journal of High Energy Physics (12) 064 , 2015

[10.1007/JHEP12\(2015\)064](https://doi.org/10.1007/JHEP12(2015)064)

Cubero, A.C.
Nontrivial thermodynamics in 't Hooft's large-N limit
Physical Review D 91 (10) 105025 , 2015

[10.1103/PhysRevD.91.105025](https://doi.org/10.1103/PhysRevD.91.105025)

Cugliandolo, L.F.Gonnella, G.Suma, A.
Fluctuations of rotational and translational degrees of freedom in an interacting active dumbbell system
Chaos Solitons and Fractals 81 () p.p.556-566 , 2015

[10.1016/j.chaos.2015.04.015](https://doi.org/10.1016/j.chaos.2015.04.015)

Cugliandolo, L.F.Gonnella, G.Suma, A.
Rotational and translational diffusion in an interacting active dumbbell system
Physical Review E 91 (6) 062124 , 2015

[10.1103/PhysRevE.91.062124](https://doi.org/10.1103/PhysRevE.91.062124)

- Dabrowski, L.Sitarz, A.
An Asymmetric Noncommutative Torus
Symmetry Integrability and Geometry-Methods and Applications 11 () 075 , 2015
[10.3842/SIGMA.2015.075](https://doi.org/10.3842/SIGMA.2015.075)
- Dabrowski, L.Hadfield, T.Hajac, P.M.
Equivariant Join and Fusion of Noncommutative Algebras
Symmetry Integrability and Geometry-Methods and Applications 11 () 082 , 2015
[10.3842/SIGMA.2015.082](https://doi.org/10.3842/SIGMA.2015.082)
- Dabrowski, L.Landi, G.Luef, F.
Sigma-Model Solitons on Noncommutative Spaces
Letters in Mathematical Physics 105 (12) p.p.1663-1688 , 2015
[10.1007/s11005-015-0790-x](https://doi.org/10.1007/s11005-015-0790-x)
- D'Adamo, G.Menichetti, R.Pelissetto, A.et al.
Coarse-graining polymer solutions: A critical appraisal of single- and multi-site models
European Physical Journal -Special topics 224 (12) p.p.2239-2267 , 2015
[10.1140/epjst/e2015-02410-3](https://doi.org/10.1140/epjst/e2015-02410-3)
- D'Adamo, G.Marenduzzo, D.Micheletti, C.et al.
Electric Field Controlled Columnar and Planar Patterning of Cholesteric Colloids
Physical Review Letters 114 (17) 177801 , 2015
[10.1103/PhysRevLett.114.177801](https://doi.org/10.1103/PhysRevLett.114.177801)
- D'Adamo, G.Pelissetto, A.Pierleoni, C.
Erratum: Phase diagram of mixtures of colloids and polymers in the thermal crossover from good to theta solvent (vol 141, 024902, 2014)
Journal of Chemical Physics 143 (15) 159903 , 2015
[10.1063/1.4934552](https://doi.org/10.1063/1.4934552)
- D'Adamo, G.Micheletti, C.
Molecular Crowding Increases Knots Abundance in Linear Polymers
Macromolecules 48 (17) p.p.6337-6346 , 2015
[10.1021/acs.macromol.5b01323](https://doi.org/10.1021/acs.macromol.5b01323)
- Dal Conte, S.Vidmar, L.Golez, D.et al.
Snapshots of the retarded interaction of charge carriers with ultrafast fluctuations in cuprates
Nature Physics 11 (5) p.p.421-426 , 2015
[10.1038/nphys3265](https://doi.org/10.1038/nphys3265)
- Dal Corso, A.
Clean Ir(111) and Pt(111) electronic surface states: A first-principle fully relativistic investigation
Surface Science 637 () p.p.106-115 , 2015
[10.1016/j.susc.2015.03.013](https://doi.org/10.1016/j.susc.2015.03.013)
- Dal Maso, G.Fonseca, I.Leoni, G.
Second order asymptotic development for the anisotropic Cahn-Hilliard functional
Calculus of Variations and Particle differential Equations 54 (1) p.p.1119-1145 , 2015
[10.1007/s00526-015-0819-0](https://doi.org/10.1007/s00526-015-0819-0)

Dal Maso, G.Orlando, G.Toader, R.

Laplace equation in a domain with a rectilinear crack: higher order derivatives of the energy with respect to the crack length
Nonlinear Differential Equations and Applications 22 (3) p.p.449-476 , 2015

[10.1007/s00030-014-0291-0](https://doi.org/10.1007/s00030-014-0291-0)

Dal Maso, G.DeSimone, A.Morandotti, M.

One dimensional swimmers in viscous fluids: dynamics, controllability, and existence of optimal control
Esaim control optimisation and calculus of variations 21 (1) p.p.190-216 , 2015

[10.1051/cocv/2014023](https://doi.org/10.1051/cocv/2014023)

D'Amelio, N.Papamokos, G.Dreyer, J.et al.

NMR Studies of Hetero-Association of Caffeine with di-O-Caffeoylquinic Acid Isomers in Aqueous Solution
Food Biophysics 10 (3) p.p.235-243 , 2015

[10.1007/s11483-014-9368-x](https://doi.org/10.1007/s11483-014-9368-x)

De Geyter, G.Baes, M.De Looze, I.et al.

Dust energy balance study of two edge-on spiral galaxies in the Herschel-ATLAS survey
Monthly Notices of the Royal Astronomical Society 451 (2) p.p.1728-1739 , 2015

[10.1093/mnras/stv1104](https://doi.org/10.1093/mnras/stv1104)

De Leo, F.Magistrato, A.Bonifazi, D.

Interfacing proteins with graphitic nanomaterials: from spontaneous attraction to tailored assemblies
Chemical Society Reviews 44 (19) p.p.6916-6953 , 2015

[10.1039/c5cs00190k](https://doi.org/10.1039/c5cs00190k)

De Lorenzo, T.Pacilio, C.Rovelli, C.et al.

On the effective metric of a Planck star
General Relativity and Gravitation 47 (4) 41 , 2015

[10.1007/s10714-015-1882-8](https://doi.org/10.1007/s10714-015-1882-8)

De Miguel, F.F.Nicholls, J.G.

Release of chemical transmitters from cell bodies and dendrites of nerve cells
Philosophical Transactions of the Royal Society B 370 (1672) p.p.1-7 , 2015

[10.1098/rstb.2014.0181](https://doi.org/10.1098/rstb.2014.0181)

De Nardis, J.Piroli, L.Caux, J-Set al.

Relaxation dynamics of local observables in integrable systems
Journal of Physics A 48 (43) 43FT01 , 2015

[10.1088/1751-8113/48/43/43FT01](https://doi.org/10.1088/1751-8113/48/43/43FT01)

De Nardis, J.Panfil, M.

Density form factors of the 1D Bose gas for finite entropy states
Journal of Statistical Mechanics-Theory and Experiment () P02019 , 2015

[10.1088/1742-5468/2015/02/P02019](https://doi.org/10.1088/1742-5468/2015/02/P02019)

De Nardis, J.Panfil, M.

ERRATUM: Density form factors of the 1D Bose gas for finite entropy states (Journal of Statistical Mechanics: Theory and Experiment (2015))
Journal of Statistical Mechanics-Theory and Experiment () E06001 , 2015

[10.1088/1742-5468/2015/06/E06001](https://doi.org/10.1088/1742-5468/2015/06/E06001)

- De Nobili, C.Coser, A.Tonni, E.
Entanglement entropy and negativity of disjoint intervals in CFT: some numerical extrapolations
Journal of Statistical Mechanics-Theory and Experiment () P06021 , 2015
[10.1088/1742-5468/2015/06/P06021](https://doi.org/10.1088/1742-5468/2015/06/P06021)
- DeSimone, A.Cicconofri, G.
Swimming and crawling motility at microscopic scales: From biological templates to bio-inspired devices
IFAC Proceedings 48 (1) p.p.825-826 , 2015
[10.1016/j.ifacol.2015.05.179](https://doi.org/10.1016/j.ifacol.2015.05.179)
- DeSimone, A.Gidoni, P.Noselli, G.
Liquid crystal elastomer strips as soft crawlers
Journal of Mechanics and Physics of Solids 84 () p.p.254-272 , 2015
[10.1016/j.jmps.2015.07.017](https://doi.org/10.1016/j.jmps.2015.07.017)
- De Sole, A.Kac, V.G.Valeri, D.
Classical W-Algebras and Generalized Drinfeld-Sokolov Hierarchies for Minimal and Short Nilpotents (vol 331, pg 623, 2014)
Communications in Mathematical Physics 333 (3) p.p.1617-1619 , 2015
[10.1007/s00220-014-2161-3](https://doi.org/10.1007/s00220-014-2161-3)
- de Souza, R.S.Cameron, E.Killedar, M.et al.
The overlooked potential of Generalized Linear Models in astronomy, I: Binomial regression
Astronomy and Computing 12 () p.p.21-32 , 2015
[10.1016/j.ascom.2015.04.002](https://doi.org/10.1016/j.ascom.2015.04.002)
- De Zotti, G.Castex, G.Gonzalez-Nuevo, J.et al.
Extragalactic sources in Cosmic Microwave Background maps
Journal of Cosmology and Astroparticle Physics (6) 018 , 2015
[10.1088/1475-7516/2015/06/018](https://doi.org/10.1088/1475-7516/2015/06/018)
- Defenu, N.Mati, P.Marian, I.G.et al.
Truncation effects in the functional renormalization group study of spontaneous symmetry breaking
Journal of High Energy Physics (5) 141 , 2015
[10.1007/JHEP05\(2015\)141](https://doi.org/10.1007/JHEP05(2015)141)
- Defenu, N.Trombettoni, A.Codello, A.
Fixed-point structure and effective fractional dimensionality for O(N) models with long-range interactions
Physical Review E 92 (5) 052113 , 2015
[10.1103/PhysRevE.92.052113](https://doi.org/10.1103/PhysRevE.92.052113)
- Delfino, G.Squarcini, A.
Multiple phases and vicious walkers in a wedge
Nuclear Physics B 901 () p.p.430-443 , 2015
[10.1016/j.nuclphysb.2015.10.019](https://doi.org/10.1016/j.nuclphysb.2015.10.019)
- Delfino, G.
Fields, particles and universality in two dimensions
Annals of Physics 360 () p.p.477-519 , 2015
[10.1016/j.aop.2015.05.020](https://doi.org/10.1016/j.aop.2015.05.020)

Delfino, G.Squarcini, A.
Bulk and boundary effects on the decay of the thermodynamic Casimir force
EPL 109 (1) 16001 , 2015
[10.1209/0295-5075/109/16001](https://doi.org/10.1209/0295-5075/109/16001)

Dell'Antonio, G.F.
On Tracks in a Cloud Chamber
Foundations of Physics 45 (1) p.p.11-21 , 2015
[10.1007/s10701-014-9850-9](https://doi.org/10.1007/s10701-014-9850-9)

Delle Rose, L.Marzo, C.Urbano, A.
On the stability of the electroweak vacuum in the presence of low-scale seesaw models
Journal of High Energy Physics (12) 050 , 2015
[10.1007/JHEP12\(2015\)050](https://doi.org/10.1007/JHEP12(2015)050)

Devaux, N.Casula, M.Decremps, F.et al.
Electronic origin of the volume collapse in cerium
Physical Review B 91 (8) 081101 , 2015
[10.1103/PhysRevB.91.081101](https://doi.org/10.1103/PhysRevB.91.081101)

Di Casola, E.Liberati, S.Sonego, S.
Between Quantum and Classical Gravity: Is There a Mesoscopic Spacetime?
Foundations of Physics 45 (2) p.p.171-176 , 2015
[10.1007/s10701-014-9859-0](https://doi.org/10.1007/s10701-014-9859-0)

Di Casola, E.Liberati, S.Sonego, S.
Nonequivalence of equivalence principles
American Journal of Physics 83 (1) p.p.39-46 , 2015
[10.1119/1.4895342](https://doi.org/10.1119/1.4895342)

di Cortona, G.G.
Hunting electroweakinos at future hadron colliders and direct detection experiments
Journal of High Energy Physics (5) 035 , 2015
[10.1007/JHEP05\(2015\)035](https://doi.org/10.1007/JHEP05(2015)035)

Di Iura, A.Girardi, I.Meloni, D.
Probing new physics scenarios in accelerator and reactor neutrino experiments
Journal of Physics G 42 (6) 065003 , 2015
[10.1088/0954-3899/42/6/065003](https://doi.org/10.1088/0954-3899/42/6/065003)

Di Palma, F.Bottaro, S.Bussi, G.
Kissing loop interaction in adenine riboswitch: insights from umbrella sampling simulations
BMC Bioinformatics 16 (Suppl. 9) S6 , 2015
[10.1186/1471-2105-16-S9-S6](https://doi.org/10.1186/1471-2105-16-S9-S6)

Di Palma, F.Colizzi, F.Bussi, G.
Using reweighted pulling simulations to characterize conformational changes in riboswitches
Methods in Enzymology 553 () p.p.139-162 , 2015
[10.1016/bs.mie.2014.10.055](https://doi.org/10.1016/bs.mie.2014.10.055)

Dias, M.da Silva, J.M.H.da Rocha, R.
Thick braneworlds and the Gibbons-Kalosh-Linde no-go theorem in the Gauss-Bonnet framework
EPL 110 (2) 20004 , 2015

[10.1209/0295-5075/110/20004](https://doi.org/10.1209/0295-5075/110/20004)

Didonna, A.Venturini, A.C.Hartman, K.et al.
Characterization of four new monoclonal antibodies against the distal N-terminal region of PrPC
PEERJ 3 () e811 , 2015

[10.7717/peerj.811](https://doi.org/10.7717/peerj.811)

Dinh, D.N.Petcov, S.T.
Radiative emission of neutrino pairs in atoms and light sterile neutrinos
Physics Letters B 742 () p.p.107-116 , 2015

[10.1016/j.physletb.2015.01.020](https://doi.org/10.1016/j.physletb.2015.01.020)

Dipierro, S.Palatucci, G.Valdinoci, E.
Dislocation Dynamics in Crystals: A Macroscopic Theory in a Fractional Laplace Setting
Communications in Mathematical Physics 333 (2) p.p.1061-1105 , 2015

[10.1007/s00220-014-2118-6](https://doi.org/10.1007/s00220-014-2118-6)

Domcke, V.Heisig, J.
Constraints on the reheating temperature from sizable tensor modes
Physical Review D 92 (10) 103515 , 2015

[10.1103/PhysRevD.92.103515](https://doi.org/10.1103/PhysRevD.92.103515)

Domcke, V.Schmitz, K.Tsutomu, T.
Dynamical D-terms in supergravity
Nuclear Physics B 891 () p.p.230-258 , 2015

[10.1016/j.nuclphysb.2014.12.007](https://doi.org/10.1016/j.nuclphysb.2014.12.007)

Domcke, V.Urbano, A.
Dwarf spheroidal galaxies as degenerate gas of free fermions
Journal of Cosmology and Astroparticle Physics (1) 002 , 2015

[10.1088/1475-7516/2015/01/002](https://doi.org/10.1088/1475-7516/2015/01/002)

Donà, P.Eichhorn, A.Percacci, R.
Consistency of matter models with asymptotically safe quantum gravity
Canadian Journal of Physics 93 (9) p.p.988-994 , 2015

[10.1139/cjp-2014-0574](https://doi.org/10.1139/cjp-2014-0574)

Du, Y.J.Luo, H.
On single and double soft behaviors in NLSM
Journal of High Energy Physics (8) 058 , 2015

[10.1007/JHEP08\(2015\)058](https://doi.org/10.1007/JHEP08(2015)058)

Dubrovin, B.Grava, T.Klein, C.et al.
On Critical Behaviour in Systems of Hamiltonian Partial Differential Equations
Journal of Nonlinear Science 25 (3) p.p.631-707 , 2015

[10.1007/s00332-015-9236-y](https://doi.org/10.1007/s00332-015-9236-y)

Duff, M.J.Lu, J.X.Percacci, R.et al.
Membrane duality revisited
Nuclear Physics B 901 () p.p.1-21 , 2015

[10.1016/j.nuclphysb.2015.10.003](https://doi.org/10.1016/j.nuclphysb.2015.10.003)

Dupuy, N.Bouaouli, S.Mauri, F.et al.
Vertical and adiabatic excitations in anthracene from quantum Monte Carlo: Constrained energy minimization for structural and electronic excited-state properties in the JAGP ansatz
Journal of Chemical Physics 142 (21) 214109 , 2015

[10.1063/1.4922048](https://doi.org/10.1063/1.4922048)

Echeverri, A.C.Elkhidir, E.Karateev, D.et al.
Deconstructing conformal blocks in 4D CFT
Journal of High Energy Physics (8) 101 , 2015

[10.1007/JHEP08\(2015\)101](https://doi.org/10.1007/JHEP08(2015)101)

Elkhidir, E.Karateev, D.Serone, M.
General three-point functions in 4D CFT
Journal of High Energy Physics (1) 133 , 2015

[10.1007/JHEP01\(2015\)133](https://doi.org/10.1007/JHEP01(2015)133)

Eroli, F.Nistri, A.
Headache pathophysiology and imaging Modulatory role of endocannabinoids on gaba-a receptors of rat trigeminal sensory neurons
Cephalalgia 35 (Suppl. 6) p.p.221-222 , 2015

Errard, J.Ade, P.A.R.Akiba, Y.et al.
Modeling atmospheric emission for CMB ground-based observations
Astrophysical Journal 809 (1) 0 , 63

[10.1088/0004-637X/809/1/63](https://doi.org/10.1088/0004-637X/809/1/63)

Eshaghi, M.Zarei, M.Riazi, N.et al.
A non-minimally coupled potential for inflation and dark energy after Planck 2015: a comprehensive study
Journal of Cosmology and Astroparticle Physics (11) 037 , 2015

[10.1088/1475-7516/2015/11/037](https://doi.org/10.1088/1475-7516/2015/11/037)

Essler, F.H.L.Mussardo, G.Panfil, M.
Generalized Gibbs ensembles for quantum field theories
Physical Review A 91 (5) 051602 , 2015

[10.1103/PhysRevA.91.051602](https://doi.org/10.1103/PhysRevA.91.051602)

Everett, L.Garon, T.Stuart, A.J.
A bottom-up approach to lepton flavor and CP symmetries
Journal of High Energy Physics (4) 069 , 2015

[10.1007/JHEP04\(2015\)069](https://doi.org/10.1007/JHEP04(2015)069)

Evoli, C.Gaggero, D.Grasso, D.
Secondary antiprotons as a Galactic Dark Matter probe
Journal of Cosmology and Astroparticle Physics (12) 039 , 2015

[10.1088/1475-7516/2015/12/039](https://doi.org/10.1088/1475-7516/2015/12/039)

Fabbri, N.Panfil, M.Clément, D.et al.

Dynamical structure factor of one-dimensional Bose gases: Experimental signatures of beyond-Luttinger-liquid physics
Physical Review A 91 (4) 043617 , 2015

[10.1103/PhysRevA.91.043617](https://doi.org/10.1103/PhysRevA.91.043617)

Fabbrichesi, M.Urbano, A.

Naturalness redux: The case of the neutrino seesaw mechanism
Physical Review D 92 (1) 015028 , 2015

[10.1103/PhysRevD.92.015028](https://doi.org/10.1103/PhysRevD.92.015028)

Fabian, B.Darvas, M.Picaud, S.et al.

The effect of anaesthetics on the properties of a lipid membrane in the biologically relevant phase: a computer simulation study
Physical Chemistry Chemical Physics 17 (22) p.p.14750-14760 , 2015

[10.1039/c5cp00851d](https://doi.org/10.1039/c5cp00851d)

Falcone, C.Filippis, C.Granzotto, M.et al.

Emx2 expression levels in cortico-cerebral NSCs modulate astrogenesis rates by regulating Egfr and Fgf9
International Journal of Developmental Neuroscience 47 (Special Issue) p.p.42-42 , 2015

[10.1016/j.ijdevneu.2015.04.119](https://doi.org/10.1016/j.ijdevneu.2015.04.119)

Falcone, C.Mallamaci, A.

Tuning of neocortical astrogenesis rates by Emx2 in neural stem cells
Neural Regeneration Research 10 (4) p.p.550-551 , 2015

[10.4103/1673-5374.155418](https://doi.org/10.4103/1673-5374.155418)

Falcone, C.Filippis, C.Granzotto, M.et al.

Emx2 Expression Levels in NSCs Modulate Astrogenesis Rates by Regulating Egfr and Fgf9
Glia 63 (3) p.p.412-422 , 2015

[10.1002/glia.22761](https://doi.org/10.1002/glia.22761)

Fang, G.W.Ma, Z.Y.Cheng, Y.et al.

Morphology and structure of extremely red objects at z similar to 1 in the CANDELS-COSMOS field
Research in Astronomy and Astrophysics 15 (6) p.p.811-818 , 2015

[10.1088/1674-4527/15/6/004](https://doi.org/10.1088/1674-4527/15/6/004)

Fang, G.W.Ma, Z.Y.Cheng, Y.et al.

Morphology and structure of BzK-selected galaxies at z similar to 2 in the CANDELS-COSMOS field
Research in Astronomy and Astrophysics 15 (6) p.p.819-827 , 2015

[10.1088/1674-4527/15/6/005](https://doi.org/10.1088/1674-4527/15/6/005)

Fang, G.W.Ma, Z.Y.Cheng, Y.et al.

Structural and morphological properties of ultraluminous infared galaxies at $1 < z < 3$
Baltic Astronomy 24 (3) p.p.231-241 , 2015

Fedorov, A.Praveen, C.S.Verbitskiy, N.I.et al.

Efficient gating of epitaxial boron nitride monolayers by substrate functionalization
Physical Review B 92 (12) 125440 , 2015

[10.1103/PhysRevB.92.125440](https://doi.org/10.1103/PhysRevB.92.125440)

Feltrin, G.Zanolin, F.

Existence of positive solutions in the superlinear case via coincidence degree: the Neumann and the periodic boundary value problems
Advances in Differential Equations 20 (9-10) p.p.937-982 , 2015

[10.1016/j.jde.2015.02.032](https://doi.org/10.1016/j.jde.2015.02.032)

Feltrin, G.Zanolin, F.

Multiple positive solutions for a superlinear problem: A topological approach
Journal of Differential Equations 259 (3) p.p.925-963 , 2015

Fernandez-Martinez, E.Hernandez-Garcia, J.Lopez-Pavon, J.et al.

Loop level constraints on Seesaw neutrino mixing
Journal of High Energy Physics (10) 130 , 2015

[10.1007/JHEP10\(2015\)130](https://doi.org/10.1007/JHEP10(2015)130)

Ferrarotti, M.Bottaro, S.Perez-Villa, A.et al.

Accurate Multiple Time Step in Biased Molecular Simulations
Journal of Chemical Theory and Computation 11 (1) p.p.139-146 , 2015

[10.1021/ct5007086](https://doi.org/10.1021/ct5007086)

Fimiani, C.Goina, E.Mallamaci, A.

Upregulating endogenous genes by an RNA-programmable artificial transactivator
Nucleic Acids Research 43 (16) p.p.7850-7864 , 2015

[10.1093/nar/gkv682](https://doi.org/10.1093/nar/gkv682)

Fiorenza, D.Loregian, F.

t-Structures are Normal Torsion Theories
Applied Categorical Structures () Art, in press , 2015

[10.1007/s10485-015-9393-z](https://doi.org/10.1007/s10485-015-9393-z)

Fonda, A.Gidoni, P.

A permanence theorem for local dynamical systems
Nonlinear Analysis-Theory methods and Applications 121 () p.p.73-81 , 2015

[10.1016/j.na.2014.10.011](https://doi.org/10.1016/j.na.2014.10.011)

Fonda, P.Seminara, D.Tonni, E.

On shape dependence of holographic entanglement entropy in AdS(4)/CFT3
Journal of High Energy Physics (12) 037 , 2015

[10.1007/JHEP12\(2015\)037](https://doi.org/10.1007/JHEP12(2015)037)

Fonda, P.Giomi, L.Salvio, A.et al.

On shape dependence of holographic mutual information in AdS(4)
Journal of High Energy Physics (2) 005 , 2015

[10.1007/JHEP02\(2015\)005](https://doi.org/10.1007/JHEP02(2015)005)

Fonda, A.Gidoni, P.

Generalizing the Poincaré–Miranda theorem: the avoiding cones condition
Annali di Matematica Pura ed Applicata () Art, in press , 2015

[10.1007/s10231-015-0519-6](https://doi.org/10.1007/s10231-015-0519-6)

Fonseca, A. Boboeva, V. Brederoo, S. et al.

Disrupting morphosyntactic and lexical semantic processing has opposite effects on the sample entropy of neural signals
Brain Research 1604 () p.p.1-14 , 2015

[10.1016/j.brainres.2015.01.030](https://doi.org/10.1016/j.brainres.2015.01.030)

Fonseca, T. Balogh, F.

The higher spin generalization of the 6-vertex model with domain wall boundary conditions and Macdonald polynomials
Journal of Algebraic Combinatorics 41 (3) p.p.843-866 , 2015

[10.1007/s10801-014-0555-0](https://doi.org/10.1007/s10801-014-0555-0)

Froni, F.

Do we embody second language? Evidence for 'partial' simulation during processing of a second language
Brain and Cognition 99 () p.p.8-16 , 2015

[10.1016/j.bandc.2015.06.006](https://doi.org/10.1016/j.bandc.2015.06.006)

Franchini, F. Gromov, A. Kulkarni, M. et al.

Universal dynamics of a soliton after an interaction quench
Journal of Physics A 48 (28) 28FT01 , 2015

[10.1088/1751-8113/48/28/28FT01](https://doi.org/10.1088/1751-8113/48/28/28FT01)

Fu, X. Bressan, A. Molaro, P. et al.

Lithium evolution in metal-poor stars: from pre-main sequence to the Spite plateau
Monthly Notices of the Royal Astronomical Society 452 (3) p.p.3256-3265 , 2015

[10.1093/mnras/stv1384](https://doi.org/10.1093/mnras/stv1384)

Fusco-Femiano, R. Lapi, A.

SuperModel Analysis of Abell 1246 and J255: on the Evolution of Galaxy Clusters from High to Low Entropy States
Astrophysical Journal 800 (1) 75 , 2015

[10.1088/0004-637X/800/1/75](https://doi.org/10.1088/0004-637X/800/1/75)

Gaggero, D. Urbano, A. Valli, M. et al.

Gamma-ray sky points to radial gradients in cosmic-ray transport
Physical Review D 91 (8) 083012 , 2015

[10.1103/PhysRevD.91.083012](https://doi.org/10.1103/PhysRevD.91.083012)

Gaggero, D. Taoso, M. Urbano, A. et al.

Towards a realistic astrophysical interpretation of the gamma-ray Galactic center excess
Journal of Cosmology and Astroparticle Physics (12) 056 , 2015

[10.1088/1475-7516/2015/12/056](https://doi.org/10.1088/1475-7516/2015/12/056)

Gaggero, D. Grasso, D. Marinelli, A. et al.

The gamma-ray and neutrino sky: A consistent picture of Fermi-LAT, Milagro, and IceCube results
Astrophysical Journal Letters 815 (2) L25 , 2015

[10.1088/2041-8205/815/2/L25](https://doi.org/10.1088/2041-8205/815/2/L25)

Galaverni, M. Gubitosi, G. Paci, F. et al.

Cosmological birefringence constraints from CMB and astrophysical polarization data
Journal of Cosmology and Astroparticle Physics (8) 031 , 2015

[10.1088/1475-7516/2015/08/031](https://doi.org/10.1088/1475-7516/2015/08/031)

- Garcia-Castello, N.Illera, S.Prades, J.D.et al.
Energetics and carrier transport in doped Si/SiO₂ quantum dots
Nanoscale 7 (29) p.p.12564-12571 , 2015
[10.1039/c5nr02616d](https://doi.org/10.1039/c5nr02616d)
- Gasperini, L.Meneghetti, E.Pastore, B.et al.
Prion Protein and Copper Cooperatively Protect Neurons by Modulating NMDA Receptor Through S-nitrosylation
Antioxidants and Redox Signaling 22 (9) p.p.772-784 , 2015
[10.1089/ars.2014.6032](https://doi.org/10.1089/ars.2014.6032)
- Ge, X.Timrov, I.Binnie, S.et al.
Accurate and Inexpensive Prediction of the Color Optical Properties of Anthocyanins in Solution
Journal of Physical Chemistry A 119 (16) p.p.3816-3822 , 2015
[10.1021/acs.jpca.5b01272](https://doi.org/10.1021/acs.jpca.5b01272)
- Ge, X.Calzolari, A.Baroni, S.
Optical properties of anthocyanins in the gas phase
Chemical Physics Letters 618 () p.p.24-29 , 2015
[10.1016/j.cpllett.2014.09.025](https://doi.org/10.1016/j.cpllett.2014.09.025)
- Gehrlein, J.Petcov, S.T.Spinrath, M.et al.
Leptogenesis in an SU(5) x A(5) golden ratio flavour model (vol 896, pg 311, 2015)
Nuclear Physics B 899 () p.p.617-630 , 2015
[10.1016/j.nuclphysb.2015.08.019](https://doi.org/10.1016/j.nuclphysb.2015.08.019)
- Gehrlein, J.Petcov, S.T.Spinrath, M.et al.
Leptogenesis in an SU(5) x A(5) golden ratio flavour model
Nuclear Physics B 896 () p.p.311-329 , 2015
[10.1016/j.nuclphysb.2015.04.019](https://doi.org/10.1016/j.nuclphysb.2015.04.019)
- Gherghetta, T.von Harling, B.Medina, A.D.et al.
SUSY implications from WIMP annihilation into scalars at the Galactic Center
Physical Review D 91 (10) 105004 , 2015
[10.1103/PhysRevD.91.105004](https://doi.org/10.1103/PhysRevD.91.105004)
- Ghisellini, G.Haardt, F.Ciardi, B.et al.
CMB quenching of high-redshift radio-loud AGNs
Monthly Notices of the Royal Astronomical Society 452 (4) p.p.3457-3469 , 2015
[10.1093/mnras/stv1541](https://doi.org/10.1093/mnras/stv1541)
- Giachin, G.Phuong, T.M.Tranh, H.T.et al.
The non-octarepeat copper binding site of the prion protein is a key regulator of prion conversion
Scientific Reports 5 () 15253 , 2015
[10.1038/srep15253](https://doi.org/10.1038/srep15253)
- Giacomazzi, L.Martin-Samos, L.Richard, N.
Paramagnetic centers in amorphous GeO₂
Microelectronic Engineering 147 () p.p.130-133 , 2015
[10.1016/j.mee.2015.04.036](https://doi.org/10.1016/j.mee.2015.04.036)

Gil-Ley, A.Bussi, G.

Enhanced Conformational Sampling Using Replica Exchange with Collective-Variable Tempering
Journal of Chemical Theory and Computation 11 (3) p.p.1077-1085 , 2015

[10.1021/ct5009087](https://doi.org/10.1021/ct5009087)

Giovannetti, G.Capone, M.van den Brink, J.et al.

Kekule textures, pseudospin-one Dirac cones, and quadratic band crossings in a graphene-hexagonal indium chalcogenide bilayer
Physical Review B 91 (12) 121417 , 2015

[10.1103/PhysRevB.91.121417](https://doi.org/10.1103/PhysRevB.91.121417)

Giovannetti, G.Nourafkan, R.Kotliar, G.et al.

Correlation-driven electronic multiferroicity in TMTTF2-X organic crystals
Physical Review B 91 (12) 125130 , 2015

[10.1103/PhysRevB.91.125130](https://doi.org/10.1103/PhysRevB.91.125130)

Giovannetti, G.de' Medici, L.Aichhorn, M.et al.

La₂O₃Fe₂Se₂: A Mott insulator on the brink of orbital-selective metallization
Physical Review B 91 (8) 085124 , 2015

[10.1103/PhysRevB.91.085124](https://doi.org/10.1103/PhysRevB.91.085124)

Girardi, I.Meloni, D.Petcov, S.T.

Non-Standard Neutrino Interactions in T2K and Daya Bay
Nuclear and Particle Physics Proceedings 265 () p.p.212-214 , 2015

[10.1016/j.nuclphysbps.2015.06.055](https://doi.org/10.1016/j.nuclphysbps.2015.06.055)

Girardi, I.Petcov, S.T.Titov, A.V.

Predictions for the leptonic Dirac CP violation phase: a systematic phenomenological analysis
European Physical Journal C 75 (7) 345 , 2015

[10.1140/epjc/s10052-015-3559-6](https://doi.org/10.1140/epjc/s10052-015-3559-6)

Girardi, I.Petcov, S.T.Titov, A.V.

Determining the Dirac CP violation phase in the neutrino mixing matrix from sum rules
Nuclear Physics B 894 () p.p.733-768 , 2015

[10.1016/j.nuclphysb.2015.03.026](https://doi.org/10.1016/j.nuclphysb.2015.03.026)

Girardi, I.Petcov, S.T.Titov, A.V.

Predictions for the Dirac Phase in the Neutrino Mixing Matrix and Sum Rules
Journal of Physics Conference Series 631 () 012051 , 2015

[10.1088/1742-6596/631/1/012051](https://doi.org/10.1088/1742-6596/631/1/012051)

Giuliani, N.Mola, A.Heltai, L.et al.

FEM SUPG stabilisation of mixed isoparametric BEMs: Application to linearised free surface flows
Engineering Analysis with Boundary Elements 59 () p.p.8-22 , 2015

[10.1016/j.enganabound.2015.04.006](https://doi.org/10.1016/j.enganabound.2015.04.006)

Gladich, I.Rodriguez, A.Enriquez, R.P.H.et al.

Designing High-Affinity Peptides for Organic Molecules by Explicit Solvent Molecular Dynamics
Journal of Physical Chemistry B 119 (41) p.p.12963-12969 , 2015

[10.1021/acs.jpcc.5b06227](https://doi.org/10.1021/acs.jpcc.5b06227)

Gladich, I.Francisco, J.S.Buszek, R.J.et al.
Ab Initio Study of the Reaction of Ozone with Bromide Ion
Journal of Physical Chemistry A 119 (19) p.p.4482-4488 , 2015

[10.1021/jp5101279](https://doi.org/10.1021/jp5101279)

Gonnella, G.Marenduzzo, D.Suma, A.et al.
Motility-induced phase separation and coarsening in active matter
Comptes Rendus Physique 16 (3) p.p.316-331 , 2015

[10.1016/j.crhy.2015.05.001](https://doi.org/10.1016/j.crhy.2015.05.001)

Goold, J.Gogolin, C.Clark, S.R.et al.
Total correlations of the diagonal ensemble herald the many-body localization transition
Physical Review B 92 (18) 180202 , 2015

[10.1103/PhysRevB.92.180202](https://doi.org/10.1103/PhysRevB.92.180202)

Gori, G.Trombettoni, A.
Conformal invariance in three dimensional percolation
Journal of Statistical Mechanics-Theory and Experiment () P07014 , 2015

[10.1088/1742-5468/2015/07/P07014](https://doi.org/10.1088/1742-5468/2015/07/P07014)

Gori, G.Paganelli, S.Sharma, A.et al.
Explicit Hamiltonians inducing volume law for entanglement entropy in fermionic lattices
Physical Review B 91 (24) 245138 , 2015

[10.1103/PhysRevB.91.245138](https://doi.org/10.1103/PhysRevB.91.245138)

Goudfrooij, P.Girardi, L.Rosenfield, P.et al.
On the interpretation of sub-giant branch morphologies of intermediate-age star clusters with extended main sequence turnoffs
Monthly Notices of the Royal Astronomical Society 450 (2) p.p.1693-1704 , 2015

[10.1093/mnras/stv700](https://doi.org/10.1093/mnras/stv700)

Granata, D.Baftizadeh, F.Habchi, J.et al.
The inverted free energy landscape of an intrinsically disordered peptide by simulations and experiments
Scientific Reports 5 () 15449 , 2015

[10.1038/srep15449](https://doi.org/10.1038/srep15449)

Grandi, F.Manghi, F.Corradini, O.et al.
Topological properties of the bond-modulated honeycomb lattice
Physical Review B 91 (11) 115112 , 2015

[10.1103/PhysRevB.91.115112](https://doi.org/10.1103/PhysRevB.91.115112)

Grava, T.Kapaev, A.Klein, C.
On the Trirronque Solutions of P-I(2)
Constructive Approximation 41 (3) p.p.425-466 , 2015

[10.1007/s00365-015-9285-3](https://doi.org/10.1007/s00365-015-9285-3)

Grieger, D.Fabrizio, M.
Low-temperature magnetic ordering and structural distortions in vanadium sesquioxide V2O3
Physical Review B 92 (7) 075121 , 2015

[10.1103/PhysRevB.92.075121](https://doi.org/10.1103/PhysRevB.92.075121)

Grudina, C.Falcone, C.Blecich, N.et al.
Foxg1 antagonizes cortico-cerebral astrogenesis
Glia 63 (Suppl 1) p.p.E300-E301 , 2015

Gu, Y.
Modeling the Cellular Mechanisms and Olfactory Input Underlying the Triphasic Response of Moth Pheromone-Sensitive Projection Neurons
Plos One 10 (5) e0126305 , 2015

[10.1371/journal.pone.0126305](https://doi.org/10.1371/journal.pone.0126305)

Guzzetti, D.
A Review of the Sixth Painlevé Equation
Constructive Approximation 41 (3) p.p.495-527 , 2015

[10.1007/s00365-014-9250-6](https://doi.org/10.1007/s00365-014-9250-6)

Haghighat, B.Iqbal, A.Kozcaz, C.et al.
M-Strings
Communications in Mathematical Physics 334 (2) p.p.779-842 , 2015

[10.1007/s00220-014-2139-1](https://doi.org/10.1007/s00220-014-2139-1)

Hellgren, M.Caruso, F.Rohr, D.R.et al.
Static correlation and electron localization in molecular dimers from the self-consistent RPA and GW approximation
Physical Review B 91 (16) 165110 , 2015

[10.1103/PhysRevB.91.165110](https://doi.org/10.1103/PhysRevB.91.165110)

Hernandez, P.Kekic, M.Lopez-Pavon, J.et al.
Leptogenesis in GeV-scale seesaw models
Journal of High Energy Physics (10) 067 , 2015

[10.1007/JHEP10\(2015\)067](https://doi.org/10.1007/JHEP10(2015)067)

Hernandez, P.Kekic, M.Lopez-Pavon, J.
The Seesaw Scale vs Cosmology
Nuclear and Particle Physics Proceedings 265 () p.p.307-310 , 2015

[10.1016/j.nuclphysbps.2015.06.077](https://doi.org/10.1016/j.nuclphysbps.2015.06.077)

Herrera-Aguilar, A.Kuerten, A. M.da Rocha, R.
Regular Bulk Solutions in Brane-Worlds with Inhomogeneous Dust and Generalized Dark Radiation
Advances in High Energy Physics () 359268 , 2015

[10.1155/2015/359268](https://doi.org/10.1155/2015/359268)

Hesthaven, J.S.Rozza, G.Stamm, B
Certified Reduced Basis Methods for Parametrized Partial Differential Equations
() p.p.1-131 , 2015

[10.1007/978-3-319-22470-1](https://doi.org/10.1007/978-3-319-22470-1)

Hu, B.Raveri, M.
Can modified gravity models reconcile the tension between the CMB anisotropy and lensing maps in Planck-like observations?
Physical Review D 91 (12) 123515 , 2015

[10.1103/PhysRevD.91.123515](https://doi.org/10.1103/PhysRevD.91.123515)

Hu, B.Raveri, M.Silvestri, A.et al.
Exploring massive neutrinos in dark cosmologies with EFTCAMB/EFTCosmoMC
Physical Review D 91 (6) 063524 , 2015
[10.1103/PhysRevD.91.063524](https://arxiv.org/abs/10.1103/PhysRevD.91.063524)

Hu, W.J.Gong, S.S.Becca, F.et al.
Variational Monte Carlo study of a gapless spin liquid in the spin-1/2 XXZ antiferromagnetic model on the kagome lattice
Physical Review B 92 (20) 201105 , 2015
[10.1103/PhysRevB.92.201105](https://arxiv.org/abs/10.1103/PhysRevB.92.201105)

Hu, W.J.Zhu, W.Zhang, Y.et al.
Variational Monte Carlo study of a chiral spin liquid in the extended Heisenberg model on the kagome lattice
Physical Review B 91 (4) 041124 , 2015
[10.1103/PhysRevB.91.041124](https://arxiv.org/abs/10.1103/PhysRevB.91.041124)

Huse, D.A.Nandkishore, R.Pietracaprina, F.et al.
Localized systems coupled to small baths: From Anderson to Zeno
Physical Review B 92 (1) 014203 , 2015
[10.1103/PhysRevB.92.014203](https://arxiv.org/abs/10.1103/PhysRevB.92.014203)

Huy Pham, C.Lien Nguyen, v.
Tunneling through finite graphene superlattices: resonance splitting effect
Journal of Physics-Condensed Matter 27 (9) 095302 , 2015
[10.1088/0953-8984/27/9/095302](https://arxiv.org/abs/10.1088/0953-8984/27/9/095302)

Ibar, E.Lara-Lopez, M.A.Herrera-Camus, R.et al.
A multiwavelength exploration of the [C II]/IR ratio in H-ATLAS/GAMA galaxies out to $z=0.2$
Monthly Notices of the Royal Astronomical Society 449 (3) p.p.2498-2513 , 2015
[10.1093/mnras/stv439](https://arxiv.org/abs/10.1093/mnras/stv439)

Inack, E.M.Pilati, S.
Simulated quantum annealing of double-well and multiwell potentials
Physical Review E 92 (5) 053304 , 2015
[10.1103/PhysRevE.92.053304](https://arxiv.org/abs/10.1103/PhysRevE.92.053304)

Iqbal, Y.Poilblanc, D.Becca, F.
Spin-1/2 Heisenberg J(1)-J(2) antiferromagnet on the kagome lattice
Physical Review B 91 (2) 020402 , 2015
[10.1103/PhysRevB.91.020402](https://arxiv.org/abs/10.1103/PhysRevB.91.020402)

Iseppon, F.Napolitano, L.R.Torre, V.et al.
Cdc42 and RhoA reveal different spatio-temporal dynamics upon local stimulation with Semaphorin-3A
Frontiers in Cellular Neuroscience 9 () 333 , 2015
[10.3389/fncel.2015.00333](https://arxiv.org/abs/10.3389/fncel.2015.00333)

Jacobson, T.Mohd, A.
Black hole entropy and Lorentz-diffeomorphism Noether charge
Physical Review D 92 (12) 124010 , 2015
[10.1103/PhysRevD.92.124010](https://arxiv.org/abs/10.1103/PhysRevD.92.124010)

Jang, D.Kim, Y.Kwon, O.K.

Abelian gauge invariance of the WZ-type coupling in ABJM theory
Physics Letters B 748 () p.p.380-386 , 2015

[10.1016/j.physletb.2015.07.022](https://doi.org/10.1016/j.physletb.2015.07.022)

Jean, F.Prandi, D.

Complexity of control-affine motion planning
Siam Journal on Control and Optimization 53 (2) p.p.816-844 , 2015

[10.1137/130950793](https://doi.org/10.1137/130950793)

Jenkins, R.

Regularization of a sharp shock by the defocusing nonlinear Schrodinger equation
Nonlinearity 28 (7) p.p.2131-2180 , 2015

[10.1088/0951-7715/28/7/2131](https://doi.org/10.1088/0951-7715/28/7/2131)

Jevnikar, A.Kallel, S.Malchiodi, A.

A topological join construction and the Toda system on compact surfaces of arbitrary genus
Analysis and PDE 8 (8) p.p.1963-2027 , 2015

[10.2140/apde.2015.8.1963](https://doi.org/10.2140/apde.2015.8.1963)

Joaquim, F.R.Penedo, J.T.

Radiative charged-lepton masses with more than one Higgs doublet
PoS CORFU2014 () 049 , 2015

Jones, T.E.Rocha, T.C.R.Knop-Gericke, A.et al.

Insights into the Electronic Structure of the Oxygen Species Active in Alkene Epoxidation on Silver
ACS Catalysis 5 (10) p.p.5846-5850 , 2015

[10.1021/acscatal.5b01543](https://doi.org/10.1021/acscatal.5b01543)

Joshi, P.Turola, E.Ruiz, A.et al.

Effect of extracellular vesicles derived from distinct brain cells on A beta toxicity and assembly: focus on microglia derived vesicles
Springerplus 4 (Suppl 1) Meeting Abstract P17 , 2015

Joyce, A.Khoury, J.Simonovic, M.

Multiple soft limits of cosmological correlation functions
Journal of Cosmology and Astroparticle Physics (1) 012 , 2015

[10.1088/1475-7516/2015/01/012](https://doi.org/10.1088/1475-7516/2015/01/012)

Kammoun, E.S.Papadakis, I.E.Sabra, B.M.

Variability of the soft X-ray excess in IRAS 13224-3809
Astronomy and Astrophysics 582 () A40 , 2015

[10.1051/0004-6361/201526811](https://doi.org/10.1051/0004-6361/201526811)

Kapcia, K.J.Murawski, S.Klobus, W.et al.

Magnetic orderings and phase separations in a simple model of insulating systems
Physica A-Statistical Mechanics and its Applications 437 () p.p.218-234 , 2015

[10.1016/j.physa.2015.05.074](https://doi.org/10.1016/j.physa.2015.05.074)

- Karukes, E.V.Salucci, P.Gentile, G.
The dark matter distribution in the spiral NGC 3198 out to 0.22 R-vir
Astronomy and Astrophysics 578 () A13 , 2015
[10.1051/0004-6361/201425339](https://doi.org/10.1051/0004-6361/201425339)
- Khan, H.A.Ahmad, A.Mehboob, R.
Nosocomial infections and their control strategies
Asian Pacific Journal of Tropical Biomedicine 5 (7) p.p.509-514 , 2015
[10.1016/j.apjtb.2015.05.001](https://doi.org/10.1016/j.apjtb.2015.05.001)
- Kisiel, M.Pellegrini, F.Santoro, G.E.et al.
Noncontact Atomic Force Microscope Dissipation Reveals a Central Peak of SrTiO3 Structural Phase Transition
Physical Review Letters 115 (4) 046101 , 2015
[10.1103/PhysRevLett.115.046101](https://doi.org/10.1103/PhysRevLett.115.046101)
- Kohn, S.A.Michalowski, M.J.Bourne, N.et al.
Far-infrared observations of an unbiased sample of gamma-ray burst host galaxies
Monthly Notices of the Royal Astronomical Society 448 (2) p.p.1494-1503 , 2015
[10.1093/mnras/stv088](https://doi.org/10.1093/mnras/stv088)
- Kohulak, O.Martonak, R.Tosatti, E.
High-pressure structure, decomposition, and superconductivity of MoS2
Physical Review B 91 (14) 144113 , 2015
[10.1103/PhysRevB.91.144113](https://doi.org/10.1103/PhysRevB.91.144113)
- Korb, S.Fruehholz, S.Grandjean, D.
Reappraising the voices of wrath
Social Cognitive and Affective Neuroscience 10 (12) p.p.1644-1660 , 2015
[10.1093/scan/nsv051](https://doi.org/10.1093/scan/nsv051)
- Korb, S.Malsert, J.Rochas, V.et al.
Gender differences in the neural network of facial mimicry of smiles - An rTMS study
Cortex 70 () p.p.101-114 , 2015
[10.1016/j.cortex.2015.06.025](https://doi.org/10.1016/j.cortex.2015.06.025)
- Kozhasov, K.Z.
A geometric flow in the space of G2-structures on the cone over S3×S3
Siberian Mathematical Journal 56 (6) p.p.1093-1100 , 2015
[10.1134/S0037446615060130](https://doi.org/10.1134/S0037446615060130)
- Lamm, C.Silani, G.Singer, T.
Distinct neural networks underlying empathy for pleasant and unpleasant touch
Cortex 70 () p.p.79-89 , 2015
[10.1016/j.cortex.2015.01.021](https://doi.org/10.1016/j.cortex.2015.01.021)
- Langus, A.Saksida, A.Braida, D.et al.
Spontaneous object and movement representations in 4-month-old human infants and albino Swiss mice
Cognition 137 () p.p.63-71 , 2015
[10.1016/j.cognition.2014.12.010](https://doi.org/10.1016/j.cognition.2014.12.010)

Lapi, A.Danese, L.

Cold or warm? Constraining dark matter with primeval galaxies and cosmic reionization after Planck
Journal of Cosmology and Astroparticle Physics (9) 003 , 2015

[10.1088/1475-7516/2015/09/003](https://doi.org/10.1088/1475-7516/2015/09/003)

Lazzaroni, G.Palombaro, M.Schloemerker, A.

A discrete to continuum analysis of dislocations in nanowire heterostructures
Communications in Mathematical Sciences 13 (5) p.p.1105-1133 , 2015

Le, N.T.T.Narkiewicz, J.Aulic, S.et al.

Synthetic prions and other human neurodegenerative proteinopathies
Virus Research 207 () p.p.25-37 , 2015

[10.1016/j.virusres.2014.10.020](https://doi.org/10.1016/j.virusres.2014.10.020)

LeBlanc, J.P.F.Antipov, A.E.Becca, F.et al.

Solutions of the Two-Dimensional Hubbard Model: Benchmarks and Results from a Wide Range of Numerical Algorithms
Physical Review X 5 (4) 041041 , 2015

[10.1103/PhysRevX.5.041041](https://doi.org/10.1103/PhysRevX.5.041041)

Legname, G.

Novel Approaches to Diagnosis and Therapy in Neurodegenerative Diseases
IFMBE Proceedings 46 () p.p.155-158 , 2015

[10.1007/978-3-319-11776-8_38](https://doi.org/10.1007/978-3-319-11776-8_38)

Lepori, L.Trombettoni, A.Vinci, W.

Simulation of two-flavor symmetry-locking phases in ultracold fermionic mixtures
EPL 109 (5) 50002 , 2015

[10.1209/0295-5075/109/50002](https://doi.org/10.1209/0295-5075/109/50002)

Liberati, S.

Lorentz symmetry breaking: phenomenology and constraints
Journal of Physics Conference Series 631 () 012011 , 2015

[10.1088/1742-6596/631/1/012011](https://doi.org/10.1088/1742-6596/631/1/012011)

Lindgren, J.Papadimitriou, I.Taliotis, A.et al.

Holographic Hall conductivities from dyonic backgrounds
Journal of High Energy Physics (7) 094 , 2015

[10.1007/JHEP07\(2015\)094](https://doi.org/10.1007/JHEP07(2015)094)

Loli Martinez-Aldama, M.Dultzin, D.Marziani, P.et al.

OI and Ca observations in intermediate redshift quasars
Astrophysical Journal Supplement Series 217 (1) 3 , 2015

[10.1088/0067-0049/217/1/3](https://doi.org/10.1088/0067-0049/217/1/3)

Lombardo, P.Gambassi, A.Dall'Asta, L.

Fixation properties of subdivided populations with balancing selection
Physical Review E 91 (3) 032130 , 2015

[10.1103/PhysRevE.91.032130](https://doi.org/10.1103/PhysRevE.91.032130)

Lopes-dos-Santos, V.Panzeri, S.Kayser, C.et al.
Extracting information in spike time patterns with wavelets and information theory
Journal of Neurophysiology 113 (3) p.p.1015-1033 , 2015

[10.1152/jn.00380.2014](https://doi.org/10.1152/jn.00380.2014)

Lopez-Pavon, J.Molinaro, E.Petcov, S.T.
Radiative corrections to light neutrino masses in low scale type I seesaw scenarios and neutrinoless double beta decay
Journal of High Energy Physics (11) 030 , 2015

[10.1007/JHEP11\(2015\)030](https://doi.org/10.1007/JHEP11(2015)030)

Lorenzon, P.Redolfi, N.Podolsky, M.J.et al.
Circuit Formation and Function in the Olfactory Bulb of Mice with Reduced Spontaneous Afferent Activity
Journal of Neuroscience 35 (1) p.p.146-160 , 2015

[10.1523/JNEUROSCI.0613-14.2015](https://doi.org/10.1523/JNEUROSCI.0613-14.2015)

Lucantonio, A.Noselli, G.Trepat, X.et al.
Hydraulic Fracture and Toughening of a Brittle Layer Bonded to a Hydrogel
Physical Review Letters 115 (18) 188105 , 2015

[10.1103/PhysRevLett.115.188105](https://doi.org/10.1103/PhysRevLett.115.188105)

Luo, H.Mastrolia, P.Bobadilla, W.J.T.
Subleading soft behavior of QCD amplitudes
Physical Review D 91 (6) 065018 , 2015

[10.1103/PhysRevD.91.065018](https://doi.org/10.1103/PhysRevD.91.065018)

Luo, Y.Tan, M.C.Yagi, J.et al.
Omega-deformation of B-twisted gauge theories and the 3d-3d correspondence
Journal of High Energy Physics (2) 047 , 2015

[10.1007/JHEP02\(2015\)047](https://doi.org/10.1007/JHEP02(2015)047)

Ma, B.Cooray, A.Calanog, J.A.et al.
Spitzer Imaging of Strongly-Lensed Herschel-Selected Dusty Star Forming Galaxies
Astrophysical Journal 814 (1) 17 , 2015

[10.1088/0004-637X/814/1/17](https://doi.org/10.1088/0004-637X/814/1/17)

Ma, C.Martin-Samos, L.Fabris, S.et al.
QMMM: A wrapper for QM/MM simulations with QUANTUM ESPRESSO and LAMMPS
Computer Physics Communications 195 () p.p.191-198 , 2015

[10.1016/j.cpc.2015.04.024](https://doi.org/10.1016/j.cpc.2015.04.024)

Ma, M.Benassi, A.Vanossi, A.et al.
Critical Length Limiting Superlow Friction
Physical Review Letters 114 (5) 055501 , 2015

[10.1103/PhysRevLett.114.055501](https://doi.org/10.1103/PhysRevLett.114.055501)

Mai, T.P.Legname, G.
Role of the Fifth Copper Binding Site in Prion Conversion
IFMBE Proceedings 46 () p.p.261-265 , 2015

[10.1007/978-3-319-11776-8_63](https://doi.org/10.1007/978-3-319-11776-8_63)

Maity, S.Mazzolini, M.Arcangeletti, M.et al.

Conformational rearrangements in the transmembrane domain of CNGA1 channels revealed by single-molecule force spectroscopy
Nature Communications 6 () 7093 , 2015

[10.1038/ncomms8093](https://doi.org/10.1038/ncomms8093)

Malchiodi, A.Ruiz, D.

On the Leray-Schauder degree of the Toda system on compact surfaces
Proceedings of the American Mathematical Society 143 (7) p.p.2985-2990 , 2015

Mammen, N.de Gironcoli, S.Narasimhan, S.

Substrate doping: A strategy for enhancing reactivity on gold nanocatalysts by tuning sp bands
Journal of Chemical Physics 143 (14) 144307 , 2015

[10.1063/1.4932944](https://doi.org/10.1063/1.4932944)

Mancini, F.Marsili, M.Walczak, A.M.

Trade-Offs in Delayed Information Transmission in Biochemical Networks
Journal of Statistical Physics () p.p.1-42 , 2015

[10.1007/s10955-015-1332-8](https://doi.org/10.1007/s10955-015-1332-8)

Mancuso, C.Lapi, A.Cai, Z. -Yet al.

Predictions for Ultra-Deep Radio Counts of Star-Forming Galaxies
Astrophysical Journal 810 (1) 72 , 2015

[10.1088/0004-637X/810/1/72](https://doi.org/10.1088/0004-637X/810/1/72)

Mandelli, D.Vanossi, A.Invernizzi, M.et al.

Superlubric-pinned transition in sliding incommensurate colloidal monolayers
Physical Review B 92 (13) 134306 , 2015

[10.1103/PhysRevB.92.134306](https://doi.org/10.1103/PhysRevB.92.134306)

Mandelli, D.Tosatti, E.

NANOPHYSICS Microscopic friction emulators
Nature 526 (7573) p.p.332-333 , 2015

[10.1038/526332a](https://doi.org/10.1038/526332a)

Mandelli, D.Vanossi, A.Manini, N.et al.

Friction Boosted by Equilibrium Misalignment of Incommensurate Two-Dimensional Colloid Monolayers
Physical Review Letters 114 (10) 108302 , 2015

[10.1103/PhysRevLett.114.108302](https://doi.org/10.1103/PhysRevLett.114.108302)

Manh-Thuong NguyenCamellone, M.F.Gebauer, R.

On the electronic, structural, and thermodynamic properties of Au supported on alpha-Fe2O3 surfaces and their interaction with CO
Journal of Chemical Physics 143 (3) 034704 , 2015

[10.1063/1.4926835](https://doi.org/10.1063/1.4926835)

Manini, N.Braun, O.M.Vanossi, A.

Nanotribology: Nonlinear mechanisms of friction
NanoScience and Technology 31 () p.p.175-208 , 2015

[10.1007/978-3-319-10560-4_10](https://doi.org/10.1007/978-3-319-10560-4_10)

- Manzoni, A.Salmoiraghi, F.Heltai, L.
Reduced Basis Isogeometric Methods (RB-IGA) for the real-time simulation of potential flows about parametrized NACA airfoils
Computer Methods in Applied Mechanics and Engineering 284 () p.p.1147-1180 , 2015
[10.1016/j.cma.2014.11.037](https://doi.org/10.1016/j.cma.2014.11.037)
- Maraga, A.Chiocchetta, A.Mitra, A.et al.
Aging and coarsening in isolated quantum systems after a quench: Exact results for the quantum O(N) model with N -> infinity
Physical Review E 92 (4) 042151 , 2015
[10.1103/PhysRevE.92.042151](https://doi.org/10.1103/PhysRevE.92.042151)
- Marchenkova, A.Vilotti, S.Fabbretti, E.et al.
Brain natriuretic peptide constitutively downregulates P2X3 receptors by controlling their phosphorylation state and membrane localization
Molecular Pain 11 () 71 , 2015
[10.1186/s12990-015-0074-6](https://doi.org/10.1186/s12990-015-0074-6)
- Marchesi, A.Arcangeletti, M.Mazzolini, M.et al.
Proton transfer unlocks inactivation in cyclic nucleotide-gated A1 channels
Journal of Physiology-London 593 (4) p.p.857-870 , 2015
[10.1113/jphysiol.2014.284216](https://doi.org/10.1113/jphysiol.2014.284216)
- Marchetto, E.Bonatti, L.
Finding words and word structure in artificial speech: the development of infants' sensitivity to morphosyntactic regularities
Journal of Child Language 42 (4) p.p.873-902 , 2015
[10.1017/S0305000914000452](https://doi.org/10.1017/S0305000914000452)
- Marno, H.Farroni, T.Dos Santos, Y.V.et al.
Can you see what I am talking about? Human speech triggers referential expectation in four-month-old infants
Scientific Reports 5 () 13594 , 2015
[10.1038/srep13594](https://doi.org/10.1038/srep13594)
- Marno, H.Langus, A.Omidbeigi, M.et al.
A new perspective on word order preferences: the availability of a lexicon triggers the use of SVO word order
Frontiers in Psychology 6 () 1183 , 2015
[10.3389/fpsyg.2015.01183](https://doi.org/10.3389/fpsyg.2015.01183)
- Marno, H.Csibra, G.
Toddlers Favor Communicatively Presented Information over Statistical Reliability in Learning about Artifacts
Plos One 10 (3) e0122129 , 2015
[10.1371/journal.pone.0122129](https://doi.org/10.1371/journal.pone.0122129)
- Martinez-Aldama, M.L.Marziani, P.Dultzin, D.et al.
Observations of the Ca ii IR Triplet in High Luminosity Quasars: Exploring the Sample
Journal of Astrophysics and Astronomy 36 (4) p.p.457-465 , 2015
[10.1007/s12036-015-9354-9](https://doi.org/10.1007/s12036-015-9354-9)
- Martinez-Gonzalez, J.A.Rodriguez, A.Puyuelo, M.P.et al.
Further theoretical insight into the reaction mechanism of the hepatitis C NS3/NS4A serine protease
Chemical Physics Letters 619 () p.p.97-102 , 2015
[10.1016/j.cplett.2014.11.041](https://doi.org/10.1016/j.cplett.2014.11.041)

- Martini, I.Rozza, G.Haasdonk, B.
Reduced basis approximation and a-posteriori error estimation for the coupled Stokes-Darcy system
Advances in Computational Mathematics 41 (5) p.p.1131-1157 , 2015
[10.1007/s10444-014-9396-6](https://doi.org/10.1007/s10444-014-9396-6)
- Masoero, D.Raimondo, A.
A Deformation of the Method of Characteristics and the Cauchy Problem for Hamiltonian PDEs in the Small Dispersion Limit
International Mathematics Research Notices (5) p.p.1200-1238 , 2015
[10.1093/imrn/rnt223](https://doi.org/10.1093/imrn/rnt223)
- Massara, E.Villaescusa-Navarro, F.Viel, M.et al.
Voids in massive neutrino cosmologies
Journal of Cosmology and Astroparticle Physics (11) 018 , 2015
[10.1088/1475-7516/2015/11/018](https://doi.org/10.1088/1475-7516/2015/11/018)
- Matassa, M.
Non-Commutative Integration, Zeta Functions and the Haar State for SUq (2)
Mathematical Physics Analysis and Geometry 18 (1) 6 , 2015
[10.1007/s11040-015-9178-5](https://doi.org/10.1007/s11040-015-9178-5)
- Matias, J.Morandotti, M.Santos, P.M.
Homogenization of Functionals with Linear Growth in the Context of γ -quasiconvexity
Applied Mathematics and Optimization 72 (3) p.p.523-547 , 2015
[10.1007/s00245-015-9289-1](https://doi.org/10.1007/s00245-015-9289-1)
- Maurya, D.K.Henriques, T.Marini, M.et al.
Development of the Olfactory Epithelium and Nasal Glands in TMEM16A(-/-) and TMEM16A(+/-) Mice
Plos One 10 (6) e0129171 , 2015
[10.1371/journal.pone.0129171](https://doi.org/10.1371/journal.pone.0129171)
- Mazza, G.Amaricci, A.Capone, M.et al.
Electronic transport and dynamics in correlated heterostructures
Physical Review B 91 (19) 195124 , 2015
[10.1103/PhysRevB.91.195124](https://doi.org/10.1103/PhysRevB.91.195124)
- Mazzola, G.Sorella, S.
Distinct Metallization and Atomization Transitions in Dense Liquid Hydrogen
Physical Review Letters 114 (10) 105701 , 2015
[10.1103/PhysRevLett.114.105701](https://doi.org/10.1103/PhysRevLett.114.105701)
- Mazzolini, M.Facchetti, G.Andolfi, L.et al.
The phototransduction machinery in the rod outer segment has a strong efficacy gradient
Proceedings of the National Academy of Sciences of the United States of America 112 (20) p.p.E2715-E2724 , 2015
[10.1073/pnas.1423162112](https://doi.org/10.1073/pnas.1423162112)
- Meinert, F.Panfil, M.Mark, M.et al.
Probing the Excitations of a Lieb-Liniger Gas from Weak to Strong Coupling
Physical Review Letters 115 (8) 085301 , 2015
[10.1103/PhysRevLett.115.085301](https://doi.org/10.1103/PhysRevLett.115.085301)

Menegoz, G.Silva, A.

Prethermalization of weakly interacting bosons after a sudden interaction quench
Journal of Statistical Mechanics-Theory and Experiment () P05035 , 2015

[10.1088/1742-5468/2015/05/P05035](https://doi.org/10.1088/1742-5468/2015/05/P05035)

Mengotti, P.Ripamonti, E.Pesavento, V.et al.

Anatomical and spatial matching in imitation: Evidence from left and right brain-damaged patients
Neuropsychologia 79 (B) p.p.256-271 , 2015

[10.1016/j.neuropsychologia.2015.06.038](https://doi.org/10.1016/j.neuropsychologia.2015.06.038)

Menichetti, R.D'Adamo, G.Pelissetto, A.et al.

Integral equation analysis of single-site coarse-grained models for polymer-colloid mixtures
Molecular Physics 113 (17-18) p.p.2629-2642 , 2015

[10.1080/00268976.2015.1039088](https://doi.org/10.1080/00268976.2015.1039088)

Meroni, A.

Multiple Mechanisms in $2\beta 0\nu$ -decay
Physics Procedia 61 () p.p.260-266 , 2015

[10.1016/j.phpro.2014.12.042](https://doi.org/10.1016/j.phpro.2014.12.042)

Miceli, G.de Gironcoli, S.Pasquarello, A.

Isobaric first-principles molecular dynamics of liquid water with nonlocal van der Waals interactions
Journal of Chemical Physics 142 (3) 034501 , 2015

[10.1063/1.4905333](https://doi.org/10.1063/1.4905333)

Michelangeli, A.

Global well-posedness of the magnetic Hartree equation with non-Strichartz external fields
Nonlinearity 28 (8) p.p.2743-2765 , 2015

[10.1088/0951-7715/28/8/2743](https://doi.org/10.1088/0951-7715/28/8/2743)

Micheletti, C.Stefano, M.D.Orland, H.

Absence of knots in known RNA structures
Proceedings of the National Academy of Sciences of the United States of America 112 (7) p.p.2052-2057 , 2015

[10.1073/pnas.1418445112](https://doi.org/10.1073/pnas.1418445112)

Misseroni, D.Noselli, G.Zaccaria, D.et al.

The deformation of an elastic rod with a clamp sliding along a smooth and curved profile
International Journal of Solids and Structures 69-70 () p.p.491-497 , 2015

[10.1016/j.ijsolstr.2015.05.004](https://doi.org/10.1016/j.ijsolstr.2015.05.004)

Mladinic, M.Nistri, A.

Dynamic expression of ATF3 as a novel tool to study activation and migration of endogenous spinal stem cells and their role in neural repair
Neural Regeneration Research 10 (5) p.p.713-714 , 2015

[10.4103/1673-5374.156961](https://doi.org/10.4103/1673-5374.156961)

Mladinic, M.Nistri, A.Dekanic, A.

How the discovery of neuronal stem cells have changed neuroscience and perspective for the therapy for central nervous system illnesses
Periodicum Biologorum 117 (1) p.p.185-192 , 2015

- Moda, F.T. Le, T.N.Aulic, S.et al.
Synthetic prions with novel strain-specified properties
Plos Pathogens 11 (12) e1005354 , 2015
[10.1371/journal.ppat.1005354](https://doi.org/10.1371/journal.ppat.1005354)
- Mohd, A.
A note on asymptotic symmetries and soft-photon theorem
Journal of High Energy Physics (2) 060 , 2015
[10.1007/JHEP02\(2015\)060](https://doi.org/10.1007/JHEP02(2015)060)
- Monaco, D.Panati, G.
Symmetry and Localization in Periodic Crystals: Triviality of Bloch Bundles with a Fermionic Time-Reversal Symmetry
Acta Applicandae Mathematicae 137 (1) p.p.185-203 , 2015
[10.1007/s10440-014-9995-8](https://doi.org/10.1007/s10440-014-9995-8)
- Montino, A.DeSimone, A.
Three-sphere low-Reynolds-number swimmer with a passive elastic arm
European Physical Journal E 38 (5) 42 , 2015
[10.1140/epje/i2015-15042-3](https://doi.org/10.1140/epje/i2015-15042-3)
- Moreno, M.Baggio, G.
Role Asymmetry and Code Transmission in Signaling Games: An Experimental and Computational Investigation
Cognitive Science 39 (5) p.p.918-943 , 2015
[10.1111/cogs.12191](https://doi.org/10.1111/cogs.12191)
- Motta, M.Galli, D.E.Moroni, S.et al.
Imaginary time density-density correlations for two-dimensional electron gases at high density
Journal of Chemical Physics 143 (16) 164108 , 2015
[10.1063/1.4934666](https://doi.org/10.1063/1.4934666)
- Mussardo, G.
Bound states of Majorana fermions in semi-classical approximation
Journal of Statistical Mechanics-Theory and Experiment (12) P12003 , 2015
[10.1088/1742-5468/2015/12/P12003](https://doi.org/10.1088/1742-5468/2015/12/P12003)
- Mrsic-Flogel, T.Treves, A.
Editorial overview: Circuit plasticity and memory
Current Opinion in Neurobiology 35 () p.p.v-vii , 2015
[10.1016/j.conb.2015.09.006](https://doi.org/10.1016/j.conb.2015.09.006)
- Naghavi, S.S.Crespo, Y.Martonak, R.et al.
High-pressure layered structure of carbon disulfide
Physical Review B 91 (22) 224108 , 2015
[10.1103/PhysRevB.91.224108](https://doi.org/10.1103/PhysRevB.91.224108)
- Napolitano, L.M.R.Bisha, I.De March, M.et al.
A structural, functional, and computational analysis suggests pore flexibility as the base for the poor selectivity of CNG channels
Proceedings of the National Academy of Sciences of the United States of America 112 (27) p.p.E3619-E3628 , 2015
[10.1073/pnas.1503334112](https://doi.org/10.1073/pnas.1503334112)

Nasica-Labouze, J.Nguyen, P.H.Sterpone, F.et al.

Amyloid beta Protein and Alzheimer's Disease: When Computer Simulations Complement Experimental Studies

Chemical Reviews 115 (9) p.p.3563- , 2015

[10.1021/cr500638n](https://doi.org/10.1021/cr500638n)

Negreiros, F.R.Camellone, M.F.Fabris, S.

Effects of Thermal Fluctuations on the Hydroxylation and Reduction of Ceria Surfaces by Molecular H-2

Journal of Physical Chemistry C 119 (37) p.p.21573- , 2015

[10.1021/acs.jpcc.5b07030](https://doi.org/10.1021/acs.jpcc.5b07030)

Negri, F.Manzoni, A.Rozza, G.

Reduced basis approximation of parametrized optimal flow control problems for the Stokes equations

Computers and Mathematics with Applications 69 (4) p.p.319-336 , 2015

[10.1016/j.camwa.2014.12.010](https://doi.org/10.1016/j.camwa.2014.12.010)

Nguyen, M.T.Farnesi Camellone, M.Gebauer, R.

On the electronic, structural, and thermodynamic properties of Au supported on α -Fe₂O₃ surfaces and their interaction with CO

Journal of Chemical Physics 143 (3) 034704 , 2015

[10.1063/1.4926835](https://doi.org/10.1063/1.4926835)

Nhat Tran, T.L.Narkiewicz, J.Aulic, S.

Synthetic prions and other human neurodegenerative proteinopathies

Virus Research 207 () p.p.25-37 , 2015

[10.1016/j.virusres.2014.10.020](https://doi.org/10.1016/j.virusres.2014.10.020)

Nicholls, J.

Larry Cohen, indomitable pioneer

Neurophotonics 2 (2) 021003 , 2015

[10.1117/1.NPh.2.2.021003](https://doi.org/10.1117/1.NPh.2.2.021003)

Nomura, Y.Sakai, S.Capone, M.et al.

Unified understanding of superconductivity and Mott transition in alkali-doped fullerides from first principles

Science Advances 1 (7) e1500568 , 2015

[10.1126/sciadv.1500568](https://doi.org/10.1126/sciadv.1500568)

Notarnicola, S.Ercolessi, E.Facchi, P.et al.

Discrete Abelian gauge theories for quantum simulations of QED

Journal of Physics A 48 (30) 30FT01 , 2015

[10.1088/1751-8113/48/30/30FT01](https://doi.org/10.1088/1751-8113/48/30/30FT01)

Novembre, G.Zanon, M.Silani, G.

Empathy for social exclusion involves the sensory-discriminative component of pain: a within-subject fMRI study

Social Cognitive and Affective Neuroscience 10 (2) p.p.153-164 , 2015

[10.1093/scan/nsu038](https://doi.org/10.1093/scan/nsu038)

Ohta, N.Percacci, R.Vacca, G.P.

Flow equation for f(R) gravity and some of its exact solutions

Physical Review D 92 (6) 061501 , 2015

[10.1103/PhysRevD.92.061501](https://doi.org/10.1103/PhysRevD.92.061501)

- Pacciarini, P.Rozza, G.
Reduced basis approximation of parametrized advection-diffusion PDEs with high Péclet number
Lecture Notes in Computational Science and Engineering 103 () p.p.419-426 , 2015
[10.1007/978-3-319-10705-9_41](https://doi.org/10.1007/978-3-319-10705-9_41)
- Pagani, C.Percacci, R.
Quantum gravity with torsion and non-metricity
Classical and Quantum Gravity 32 (19) 195019 , 2015
[10.1088/0264-9381/32/19/195019](https://doi.org/10.1088/0264-9381/32/19/195019)
- Palatucci, G.Pisante, A.
A Global Compactness type result for Palais-Smale sequences in fractional Sobolev spaces
Nonlinear Analysis-Theory methods and Applications 117 () p.p.1-7 , 2015
[10.1016/j.na.2014.12.027](https://doi.org/10.1016/j.na.2014.12.027)
- Papeo, L.Cecchetto, C.Mazzon, G.et al.
The processing of actions and action-words in amyotrophic lateral sclerosis patients
Cortex 64 () p.p.136-147 , 2015
[10.1016/j.cortex.2014.10.007](https://doi.org/10.1016/j.cortex.2014.10.007)
- Pasqua, A,da Rocha, R.Chattopadhyay, S.
Holographic dark energy models and higher order generalizations in dynamical Chern-Simons modified gravity
European Physical Journal C 75 (2) 44 , 2015
[10.1140/epjc/s10052-014-3256-x](https://doi.org/10.1140/epjc/s10052-014-3256-x)
- Patil, I.
Trait psychopathy and utilitarian moral judgement: The mediating role of action aversion
Journal of Cognitive Psychology 27 (3) p.p.349-366 , 2015
[10.1080/20445911.2015.1004334](https://doi.org/10.1080/20445911.2015.1004334)
- Patrucco, L.Peano, C.Chiesa, A.et al.
Identification of novel proteins binding the AU-rich element of a-prothymosin mRNA through the selection of open reading frames (RIDome)
RNA Biology 12 (12) p.p.1289-1300 , 2015
[10.1080/15476286.2015.1107702](https://doi.org/10.1080/15476286.2015.1107702)
- Patrucco, L.Chiesa, A.Soluri, M.F.et al.
Engineering mammalian cell factories with SINEUP noncoding RNAs to improve translation of secreted proteins
Gene 569 (2) p.p.287-293 , 2015
[10.1016/j.gene.2015.05.070](https://doi.org/10.1016/j.gene.2015.05.070)
- Pauletti, M.S.Martinelli, M.Cavallini, N.et al.
Igatools: An isogeometric analysis library
SIAM Journal on Scientific Computing 37 (4) p.p.c465-c496 , 2015
[10.1137/140955252](https://doi.org/10.1137/140955252)
- Percacci, R.Vacca, G.P.
Search of scaling solutions in scalar-tensor gravity
European Physical Journal C 75 (5) 188 , 2015
[10.1140/epjc/s10052-015-3410-0](https://doi.org/10.1140/epjc/s10052-015-3410-0)

Perez-Villa, A.Darvas, M.Bussi, G.

ATP dependent NS3 helicase interaction with RNA: insights from molecular simulations
Nucleic Acids Research 43 (18) p.p.8725-8734 , 2015

[10.1093/nar/gkv872](https://doi.org/10.1093/nar/gkv872)

Peronaci, F.Schiró, M.Capone, M.

Transient Dynamics of d-Wave Superconductors after a Sudden Excitation
Physical Review Letters 115 (25) 257001 , 2015

[10.1103/PhysRevLett.115.257001](https://doi.org/10.1103/PhysRevLett.115.257001)

Persico, M.G.Lodola, L.Buroni, F.et al.

Tc-99m-human serum albumin nanocolloids: particle sizing and radioactivity distribution
Journal of Labelled Compounds and Radiopharmaceuticals 58 (9) p.p.376-382 , 2015

[10.1002/ilcr.3317](https://doi.org/10.1002/ilcr.3317)

Petcov, S.T.Girardi, I.Titov, A.V.

Predictions for the Dirac CP violation phase in the neutrino mixing matrix
International Journal of Modern Physics A 30 (13) 1530035 , 2015

[10.1142/S0217751X15300355](https://doi.org/10.1142/S0217751X15300355)

Petcov, S.T.

Predicting the values of the leptonic CP violation phases in theories with discrete flavour symmetries
Nuclear Physics B 892 () p.p.400-428 , 2015

[10.1016/j.nuclphysb.2015.01.011](https://doi.org/10.1016/j.nuclphysb.2015.01.011)

Pham, C.H.Nguyen, V.L.

Tunneling through finite graphene superlattices: Resonance splitting effect
Journal of Physics Condensed Matter 27 (9) 095302 , 2015

[10.1088/0953-8984/27/9/095302](https://doi.org/10.1088/0953-8984/27/9/095302)

Pierno, M.Bruschi, L.Mistura, G.et al.

Frictional transition from superlubric islands to pinned monolayers
Nature Nanotechnology 10 (8) p.p.714-718 , 2015

[10.1038/nnano.2015.106](https://doi.org/10.1038/nnano.2015.106)

Pietra, G.Menini, A.Boccaccio, A.

Spontaneous and odor-evoked firing activity in mouse olfactory sensory neurons expressing the I7 odorant receptor
Chemical Senses 40 (3) p.p.264-264 , 2015

Pifferi, S.Amjad, A.Hernandez-Clavijo, A.et al.

Calcium-Activated Chloride Channels in Isolated Mouse Vomeronasal Sensory Neurons
Chemical Senses 40 (7) p.p.657-658 , 2015

Pinamonti, G.Bottaro, S.Micheletti, C.et al.

Elastic network models for RNA: a comparative assessment with molecular dynamics and SHAPE experiments
Nucleic Acids Research 43 (15) p.p.7260-7269 , 2015

[10.1093/nar/gkv708](https://doi.org/10.1093/nar/gkv708)

Piretti, L.Carnaghi, A.Campanella, F.et al.
The neural network associated with lexical-semantic knowledge about social groups
Cortex 70 () p.p.155-168 , 2015

[10.1016/j.cortex.2015.06.024](https://doi.org/10.1016/j.cortex.2015.06.024)

Pirolì, L.Calabrese, P.
Exact formulas for the form factors of local operators in the Lieb-Liniger model
Journal of Physics A 48 (45) 454002 , 2015

[10.1088/1751-8113/48/45/454002](https://doi.org/10.1088/1751-8113/48/45/454002)

Polles, G.Marenduzzo, D.Orlandini, E.et al.
Self-assembling knots of controlled topology by designing the geometry of patchy templates
Nature Communications 6 () 6423 , 2015

[10.1038/ncomms7423](https://doi.org/10.1038/ncomms7423)

Poma, F.
Virtual classes of Artin stacks
Manuscripta Mathematica 146 (1-2) p.p.107-123 , 2015

[10.1007/s00229-014-0694-6](https://doi.org/10.1007/s00229-014-0694-6)

Ponzoni, L.Polles, G.Carnevale, V.et al.
SPECTRUS: A Dimensionality Reduction Approach for Identifying Dynamical Domains in Protein Complexes from Limited Structural Datasets
Structure 23 (8) p.p.1516-1525 , 2015

[10.1016/j.str.2015.05.022](https://doi.org/10.1016/j.str.2015.05.022)

Praveen, C.S.Piccinin, S.Fabris, S.
Adsorption of alkali adatoms on graphene supported by the Au/Ni(111) surface
Physical Review B 92 (7) 075403 , 2015

[10.1103/PhysRevB.92.075403](https://doi.org/10.1103/PhysRevB.92.075403)

Ptok, A.Kapcia, K.J.
Probe-type of superconductivity by impurity in materials with short coherence length: the s-wave and eta-wave phases study
Superconductor Science and Technology 28 (4) 045022 , 2015

[10.1088/0953-2048/28/4/045022](https://doi.org/10.1088/0953-2048/28/4/045022)

Puggioni, D.Giovannetti, G.Capone, M.et al.
Design of a Mott Multiferroic from a Nonmagnetic Polar Metal
Physical Review Letters 115 (8) 087202 , 2015

[10.1103/PhysRevLett.115.087202](https://doi.org/10.1103/PhysRevLett.115.087202)

Raveri, M.Baccigalupi, C.Silvestri, A.et al.
Measuring the speed of cosmological gravitational waves
Physical Review D 91 (6) 061501 , 2015

[10.1103/PhysRevD.91.061501](https://doi.org/10.1103/PhysRevD.91.061501)

Requist, R.Sheverdyaeva, P.M.Polina, M.et al.
Spin-orbit interaction and Dirac cones in d-orbital noble metal surface states
Physical Review B 91 (4) 045432 , 2015

[10.1103/PhysRevB.91.045432](https://doi.org/10.1103/PhysRevB.91.045432)

Richartz, M.Prain, A.Liberati, S.et al.
Rotating black holes in a draining bathtub: Superradiant scattering of gravity waves
Physical Review D 91 (12) 124018 , 2015

[10.1103/PhysRevD.91.124018](https://doi.org/10.1103/PhysRevD.91.124018)

Rizzardo, A.Van den Bergh, M.
Scalar extensions of derived categories and non-Fourier-Mukai functors
Advances in Mathematics 281 () p.p.1100-1144 , 2015

[10.1016/j.aim.2015.05.013](https://doi.org/10.1016/j.aim.2015.05.013)

Robinson, G.A.Cipolotti, L.Walker, D.G.et al.
Verbal suppression and strategy use: a role for the right lateral prefrontal cortex?
Brain 138 () p.p.1084-1096 , 2015

[10.1093/brain/awv003](https://doi.org/10.1093/brain/awv003)

Ronconi, L.Bertoni, S.Marotti, R.B.
The neural origins of visual crowding as revealed by event-related potentials and high-frequency oscillatory dynamics
Perception 44 (1) p.p.323-323 , 2015

Ros, V.Mueller, M.Scardicchio, A.
Integrals of motion in the many-body localized phase (vol 891, pg 420, 2015)
Nuclear Physics B 900 () p.p.446-448 , 2015

[10.1016/j.nuclphysb.2015.09.017](https://doi.org/10.1016/j.nuclphysb.2015.09.017)

Ros, V.Mueller, M.Scardicchio, A.
Integrals of motion in the many-body localized phase
Nuclear Physics B 891 () p.p.420-465 , 2015

[10.1016/j.nuclphysb.2014.12.014](https://doi.org/10.1016/j.nuclphysb.2014.12.014)

Rosselli, F.B.Alemi, A.Ansuini, A.et al.
Object similarity affects the perceptual strategy underlying invariant visual object recognition in rats
Frontiers in Neural Circuits 9 () 10 , 2015

[10.3389/fncir.2015.00010](https://doi.org/10.3389/fncir.2015.00010)

Rossetti, G.Musiani, F.Abad, E.et al.
Conformational ensemble of human α -synuclein physiological form predicted by molecular simulations
Physical Chemistry Chemical Physics () Article in press , 2015

[10.1039/C5CP04549E](https://doi.org/10.1039/C5CP04549E)

Rossi, A.Piccinin, S.Pellegrini, V.et al.
Nano-Scale Corrugations in Graphene: A Density Functional Theory Study of Structure, Electronic Properties and Hydrogenation
Journal of Physical Chemistry C 119 (14) p.p.7900-7910 , 2015

[10.1021/jp511409b](https://doi.org/10.1021/jp511409b)

Rotondaro, F.Merola, S.Aiello, M.et al.
Dissociation between line bisection and mental-number-line bisection in healthy adults
Neuropsychologia 75 () p.p.565-576 , 2015

[10.1016/j.neuropsychologia.2015.07.016](https://doi.org/10.1016/j.neuropsychologia.2015.07.016)

Roy, S.Heltai, L.Costanzo, F.
Benchmarking the immersed finite element method for fluid-structure interaction problems
Computers and Mathematics with Applications 69 (10) p.p.1167-1188 , 2015
[10.1016/j.camwa.2015.03.012](https://doi.org/10.1016/j.camwa.2015.03.012)

Rubele, S.Girardi, L.Kerber, L.et al.
The VMC survey - XIV. First results on the look-back time star formation rate tomography of the Small Magellanic Cloud
Monthly Notices of the Royal Astronomical Society 449 (1) p.p.639-661 , 2015
[10.1093/mnras/stv141](https://doi.org/10.1093/mnras/stv141)

Rumiati, R.Humphreys, G.W.
Cognitive neuroscience goes social
Cortex 70 () p.p.1-4 , 2015
[10.1016/j.cortex.2015.07.008](https://doi.org/10.1016/j.cortex.2015.07.008)

Russomanno, A.Sharma, s.Dutta, A.et al.
Asymptotic work statistics of periodically driven Ising chains
Journal of Statistical Mechanics-Theory and Experiment () P08030 , 2015
[10.1088/1742-5468/2015/08/P08030](https://doi.org/10.1088/1742-5468/2015/08/P08030)

Russomanno, A.Fazio, R.Santoro, G.E.
Thermalization in a periodically driven fully connected quantum Ising ferromagnet
EPL 110 (3) 37005 , 2015
[10.1209/0295-5075/110/37005](https://doi.org/10.1209/0295-5075/110/37005)

Rütgen, M.Seidel, E.M.Silani, G.et al.
Placebo analgesia and its opioidergic regulation suggest that empathy for pain is grounded in self pain
Proceedings of the National Academy of Sciences of the United States of America 112 (41) p.p.E5638-E5646 , 2015
[10.1073/pnas.1511269112](https://doi.org/10.1073/pnas.1511269112)

Ruziboev, M.
Decay of correlations for invertible maps with non-Hölder observables
Dynamical Systems 30 (3) p.p.341-352 , 2015
[10.1080/14689367.2015.1046816](https://doi.org/10.1080/14689367.2015.1046816)

Sandal, M.Behrens, M.Brockhoff, A.et al.
Evidence for a Transient Additional Ligand Binding Site in the TAS2R46 Bitter Taste Receptor
Journal of Chemical Theory and Computation 11 (9) p.p.4439-4449 , 2015
[10.1021/acs.jctc.5b00472](https://doi.org/10.1021/acs.jctc.5b00472)

Sandri, M.Fabrizio, M.
Nonequilibrium gap collapse near a first-order Mott transition
Physical Review B 91 (11) 115102 , 2015
[10.1103/PhysRevB.91.115102](https://doi.org/10.1103/PhysRevB.91.115102)

Sarti, E.Granata, D.Seno, F.et al.
Native fold and docking pose discrimination by the same residue-based scoring function
Proteins-Structure Function and Bioinformatics 83 (4) p.p.621-630 , 2015
[10.1002/prot.24764](https://doi.org/10.1002/prot.24764)

- Saviane, C.
Neuroethics beyond traditional media
Handbook of Neuroethics () p.p.1487-1500 , 2015
[10.1007/978-94-007-4707-4_87](https://doi.org/10.1007/978-94-007-4707-4_87)
- Sayyad, W.A.Amin, L.Fabris, P.et al.
The role of myosin-II in force generation of DRG filopodia and lamellipodia
Scientific Reports 5 () 7842 , 2015
[10.1038/srep07842](https://doi.org/10.1038/srep07842)
- Schiulaz, M.Silva, A.Mueller, M.
Dynamics in many-body localized quantum systems without disorder
Physical Review B 91 (18) 184202 , 2015
[10.1103/PhysRevB.91.184202](https://doi.org/10.1103/PhysRevB.91.184202)
- Sciancalepore, M.Coslovich, T.Lorenzon, P.et al.
Extracellular stimulation with human "noisy" electromyographic patterns facilitates myotube activity
Journal of Muscle Research and Cell Motility 36 (4-5) p.p.349-357 , 2015
[10.1007/s10974-015-9424-2](https://doi.org/10.1007/s10974-015-9424-2)
- Sgrignani, J.Iannuzzi, M.Magistrato, A.
Role of Water in the Puzzling Mechanism of the Final Aromatization Step Promoted by the Human Aromatase Enzyme. Insights from QM/MM MD Simulations
Journal of Chemical Information and Modeling 55 (10) p.p.2218-2226 , 2015
[10.1021/acs.jcim.5b00249](https://doi.org/10.1021/acs.jcim.5b00249)
- Sgrignani, J.Magistrato, A.
QM/MM MD Simulations on the Enzymatic Pathway of the Human Flap Endonuclease (hFEN1) Elucidating Common Cleavage Pathways to RNase H Enzymes
ACS Catalysis 5 (6) p.p.3864-3875 , 2015
[10.1021/acscatal.5b00178](https://doi.org/10.1021/acscatal.5b00178)
- Shabbir, A.Bianchetti, E.Cargonja, R.et al.
Role of HSP70 in motoneuron survival after excitotoxic stress in a rat spinal cord injury model in vitro
European Journal of Neuroscience 42 (12) p.p.3054-3065 , 2015
[10.1111/ejn.13108](https://doi.org/10.1111/ejn.13108)
- Shabbir, A.Bianchetti, E.Nistri, A.
The volatile anesthetic methoxyflurane protects motoneurons against excitotoxicity in an in vitro model of rat spinal cord injury.
Neuroscience 285 () p.p.269-280 , 2015
[10.1016/j.neuroscience.2014.11.023](https://doi.org/10.1016/j.neuroscience.2014.11.023)
- Shapiro, I.L.Teixeira, P.D.Wipf, A.
On the functional renormalization group for the scalar field on curved background with non-minimal interaction
European Physical Journal C 75 (6) 262 , 2015
[10.1140/epic/s10052-015-3488-4](https://doi.org/10.1140/epic/s10052-015-3488-4)
- Sheshadri, S.Kortelainen, J.Rigosa, J.et al.
Classification of phases of hand grasp task by the extraction of miniature compound nerve action potentials (mCNAPs)
International IEEE/EMBS Conference on Neural Engineering, NER () p.p.593-596 , 2015
[10.1109/NER.2015.7146692](https://doi.org/10.1109/NER.2015.7146692)

Shi, J.Wang, H.Mo, H.J.

Flow Patterns around Dark Matter Halos: the Link between Halo Dynamical Properties and Large Scale Tidal Field
Astrophysical Journal 807 (1) 37 , 2015

[10.1088/0004-637X/807/1/37](https://doi.org/10.1088/0004-637X/807/1/37)

Sieberer, L.M.Chiocchetta, A.Gambassi, A.et al.

Thermodynamic equilibrium as a symmetry of the Schwinger-Keldysh action
Physical Review B 92 (13) 134307 , 2015

[10.1103/PhysRevB.92.134307](https://doi.org/10.1103/PhysRevB.92.134307)

Smacchia, P.Knap, M.Demier, E.et al.

Exploring dynamical phase transitions and prethermalization with quantum noise of excitations
Physical Review B 91 (20) 205136 , 2015

[10.1103/PhysRevB.91.205136](https://doi.org/10.1103/PhysRevB.91.205136)

Sokunbi, M.O.Cameron, G.G.Ahearn, T.S.et al.

Fuzzy approximate entropy analysis Of resting state fMRI signal complexity across the adult life span
Medical Engineering and Physics 37 (11) p.p.1082-1090 , 2015

[10.1016/j.medengphy.2015.09.001](https://doi.org/10.1016/j.medengphy.2015.09.001)

Sorella, S.Devaux, N.Dagrada, M.et al.

Geminal embedding scheme for optimal atomic basis set construction in correlated calculations
The Journal of Chemical Physics 143 (24) 244112 , 2015

[10.1063/1.4938089](https://doi.org/10.1063/1.4938089)

Sorella, S.

Finite-size scaling with modified boundary conditions
Physical Review B 91 (24) 241116 , 2015

[10.1103/PhysRevB.91.241116](https://doi.org/10.1103/PhysRevB.91.241116)

Spera, M.Mapelli, M.Bressan, A.

The mass spectrum of compact remnants from the PARSEC stellar evolution tracks
Monthly Notices of the Royal Astronomical Society 451 (4) p.p.4086-4103 , 2015

[10.1093/mnras/stv1161](https://doi.org/10.1093/mnras/stv1161)

Stadlbauer, P.Kührová, P.Banáš, P.et al.

Hairpins participating in folding of human telomeric sequence quadruplexes studied by standard and T-REMD simulations
Nucleic Acids Research 43 (20) p.p.9626-9644 , 2015

[10.1093/nar/gkv994](https://doi.org/10.1093/nar/gkv994)

Stecker, F.W.Scully, S.T.Liberati, S.et al.

Searching for traces of Planck-scale physics with high energy neutrinos
Physical Review D 91 (4) 045009 , 2015

[10.1103/PhysRevD.91.045009](https://doi.org/10.1103/PhysRevD.91.045009)

Stella, F.Treves, A.

The self-organization of grid cells in 3D.
eLife 4 () 0 , 2015

[10.7554/eLife.05913](https://doi.org/10.7554/eLife.05913)

Sturloni, G.

Debat public: the french way towards participatory decision-making
Epidemiologia e Prevenzione 39 (3) p.p.166-166 , 2015

Suma, A.Rosa, A.Micheletti, C.

Pore Translocation of Knotted Polymer Chains: How Friction Depends on Knot Complexity
ACS Macro Letters 4 (12) p.p.1420-1424 , 2015

[10.1021/acsmacrolett.5b00747](https://doi.org/10.1021/acsmacrolett.5b00747)

Suma, A.Orlandini, E.Micheletti, C.

Knotted dynamics of DNA chains of different length confined in nanochannels
Journal of Physics-Condensed Matter 27 (35) 354102 , 2015

[10.1088/0953-8984/27/35/354102](https://doi.org/10.1088/0953-8984/27/35/354102)

Szabova, L.Tateyama, Y.Matolin, V.et al.

Water Adsorption and Dissociation at Metal-Supported Ceria Thin Films: Thickness and Interface-Proximity Effects Studied with DFT plus U Calculations
Journal of Physical Chemistry C 119 (5) p.p.2537-2544 , 2015

[10.1021/jp5109152](https://doi.org/10.1021/jp5109152)

Taddei, M.Ruggeri, M.Moroni, S.et al.

Iterative backflow renormalization procedure for many-body ground-state wave functions of strongly interacting normal Fermi liquids
Physical Review B 91 (11) 115106 , 2015

[10.1103/PhysRevB.91.115106](https://doi.org/10.1103/PhysRevB.91.115106)

Tessari, A.Toraldo, A.Lunardelli, A.et al.

STIMA: a short screening test for ideomotor apraxia, selective for action meaning and bodily district
Neurological Sciences 43 (20) p.p.9626-9644 , 2015

[10.1007/s10072-015-2203-4](https://doi.org/10.1007/s10072-015-2203-4)

Tilli, P.Zucco, D.

Where best to place a Dirichlet condition in an anisotropic membrane?
SIAM Journal on Mathematical Analysis 47 (4) p.p.2699-2721 , 2015

[10.1137/140999402](https://doi.org/10.1137/140999402)

Timrov, I.Vast, N.Gebauer, R.et al.

TurboEELS-A code for the simulation of the electron energy loss and inelastic X-ray scattering spectra using the Liouville-Lanczos approach to time-dependent density-functional perturbation theory
Computer Physics Communications 196 () p.p.460-469 , 2015

[10.1016/j.cpc.2015.05.021](https://doi.org/10.1016/j.cpc.2015.05.021)

Timrov, I.Andreussi, O.Biancardi, A.et al.

Self-consistent continuum solvation for optical absorption of complex molecular systems in solution
Journal of Chemical Physics 142 (3) 034111 , 2015

[10.1063/1.4905604](https://doi.org/10.1063/1.4905604)

Tonero, A.Fabbrichesi, M.Pinamonti, M.

Limits on anomalous top quark gauge couplings from Tevatron and LHC data
Nuclear and Particle Physics Proceedings 267-269 () p.p.312-318 , 2015

[10.1016/j.nuclphysbps.2015.10.124](https://doi.org/10.1016/j.nuclphysbps.2015.10.124)

Toro, J.M.Nespor, M.

Experience-dependent emergence of a grouping bias
Biology Letters 11 (9) 20150374 , 2015

[10.1098/rsbl.2015.0374](https://doi.org/10.1098/rsbl.2015.0374)

Torres, R.

Some examples of vanishing Yamabe invariant and minimal volume, and collapsing of inequivalent smoothings and PL-structure
Annals of Global Analysis and Geometry () p.p.1-18 , 2015

[10.1007/s10455-015-9486-9](https://doi.org/10.1007/s10455-015-9486-9)

Torromé, R.G.Letizia, M.Liberati, S.

Phenomenology of effective geometries from quantum gravity
Physical Review D 92 (12) 124021 , 2015

[10.1103/PhysRevD.92.124021](https://doi.org/10.1103/PhysRevD.92.124021)

Tubiana, L.

Božič, A.L.Micheletti, C.et al.

Synonymous mutations reduce genome compactness in icosahedral ssRNA viruses
Biophysical Journal 108 (1) p.p.194-202 , 2015

[10.1016/j.bpj.2014.10.070](https://doi.org/10.1016/j.bpj.2014.10.070)

Umemoto, K.Sugimura, E.de Gironcoli, S.et al.

Nature of the Volume Isotope Effect in Ice
Physical Review Letters 115 (17) 173005 , 2015

[10.1103/PhysRevLett.115.173005](https://doi.org/10.1103/PhysRevLett.115.173005)

Urbano, A.Xue, W.

Constraining the Higgs portal with antiprotons
Journal of High Energy Physics (3) 133 , 2015

[10.1007/JHEP03\(2015\)133](https://doi.org/10.1007/JHEP03(2015)133)

Urdapilleta, E.Troiani, F.Stella, F.et al.

Can rodents conceive hyperbolic spaces?
Journal of the Royal Society Interface 12 (107) 20141214 , 2015

[10.1098/rsif.2014.1214](https://doi.org/10.1098/rsif.2014.1214)

Urdapilleta, E.Samengo, I.

Effects of spike-triggered negative feedback on receptive-field properties
Journal of Computational Neuroscience 38 (2) p.p.405-425 , 2015

[10.1007/s10827-014-0546-0](https://doi.org/10.1007/s10827-014-0546-0)

Valentini, M.Brighenti, F.

AGN-stimulated cooling of hot gas in elliptical galaxies
Monthly Notices of the Royal Astronomical Society 448 (3) p.p.1979-1998 , 2015

[10.1093/mnras/stv090](https://doi.org/10.1093/mnras/stv090)

Valli, A.Das, H.Sangiovanni, G.et al.

Tunable site- and orbital-selective Mott transition and quantum confinement effects in La_{0.5}Ca_{0.5}MnO₃ nanoclusters
Physical Review B 92 (11) 115143 , 2015

[10.1103/PhysRevB.92.115143](https://doi.org/10.1103/PhysRevB.92.115143)

Valtolina, G.Burchianti, A.Andrea Amico et al.
Josephson effect in fermionic superfluids across the BEC-BCS crossover
Science 350 (6267) p.p.1505-1508 , 2015

[10.1126/science.aac9725](https://doi.org/10.1126/science.aac9725)

Vanossi, A.Manini, N.Tosatti, E.
Driven colloidal monolayers: Static and dynamic friction
NanoScience and Technology 31 () p.p.427-449 , 2015

[10.1007/978-3-319-10560-4_19](https://doi.org/10.1007/978-3-319-10560-4_19)

Varini, N.Vanossi, A.Guerra, R.et al.
Static friction scaling of physisorbed islands: the key is in the edge
Nanoscale 7 (5) p.p.2093-2101 , 2015

[10.1039/c4nr06521b](https://doi.org/10.1039/c4nr06521b)

Vasquez, J.C.
Time-reversal symmetry violation in several Lepton-Flavor-Violating processes
Journal of High Energy Physics (9) 131 , 2015

[10.1007/JHEP09\(2015\)131](https://doi.org/10.1007/JHEP09(2015)131)

Veeraraghavan, P.Nistri, A.
Modulatory effects by CB1 receptors on rat spinal locomotor networks after sustained application of agonists or antagonists
Neuroscience 303 () p.p.16-33 , 2015

[10.1016/j.neuroscience.2015.06.045](https://doi.org/10.1016/j.neuroscience.2015.06.045)

Vega, J.P.Villadoro, G.
Higgs mass determination in supersymmetry
Journal of High Energy Physics (7) 159 , 2015

[10.1007/JHEP07\(2015\)159](https://doi.org/10.1007/JHEP07(2015)159)

Vilotti, S.Fabbretti, E.Nistri, A.
Role of calcitonin gene-related peptide and brain natriuretic peptide to modulate the excitability state of trigeminal neurons: Relevance to migraine pathology and treatment
Journal of Receptor, Ligand and Channel Research 8 () p.p.31-41 , 2015

[10.2147/JRLCR.S50993](https://doi.org/10.2147/JRLCR.S50993)

Weitkamp, E.Rodari, P.
Moving forward, looking back
JCOM-Journal of Science Communication 14 (1) E , 2015

Yagi, J.
Quiver gauge theories and integrable lattice models
Journal of High Energy Physics (10) 065 , 2015

[10.1007/JHEP10\(2015\)065](https://doi.org/10.1007/JHEP10(2015)065)

Yamakou, E.M.Inack, E.M.Moukam Kakmeni, F.M.
Ratcheting and energetic aspects of synchronization in coupled bursting neurons
Nonlinear Dynamics () Article in press , 2015

[10.1007/s11071-015-2346-0](https://doi.org/10.1007/s11071-015-2346-0)

Zamuner, S.Rodriguez, A.Seno, F.et al.
An Efficient Algorithm to Perform Local Concerted Movements of a Chain Molecule
Plos One 10 (3) e0118342 , 2015

Zen, A.Luo, Y.Mazzola, G.et al.
Ab initio molecular dynamics simulation of liquid water by quantum Monte Carlo
Journal of Chemical Physics 142 (14) 144111 , 2015

Zhang, T.Nguyen, P.H.Nasica-Labouze, J.et al.
Folding Atomistic Proteins in Explicit Solvent Using Simulated Tempering
Journal of Physical Chemistry B 119 (23) p.p.6941-6951 , 2015

Zhou, S.Y.
Gravitational waves from Affleck-Dine condensate fragmentation
Journal of Cosmology and Astroparticle Physics (6) 033 , 2015

Zirald, S.Santoro, G.E.
How to calculate quantum quench distributions with a weighted Wang-Landau Monte Carlo
Journal of Statistical Mechanics-Theory and Experiment () P06009 , 2015

Zitko, R.Fabrizio, M.
Z(2) gauge theory description of the Mott transition in infinite dimensions
Physical Review B 91 (24) 245130 , 2015

Zoccolan, D.Cox, D.D.Benucci, A.
Editorial: What can simple brains teach us about how vision works
Frontiers in Neural Circuits 9 () 51 , 2015

Zoccolan, D.
Invariant visual object recognition and shape processing in rats
Behavioural Brain Research 285 () p.p.10-33 , 2015

Zoppi, L.Martin-Samos, L.Baldrige, K.K.
Buckybowl superatom states: a unique route for electron transport
Physical Chemistry Chemical Physics 17 (8) p.p.6114-6121 , 2015

Zucchelli, S.Cotella, D.Takahashi, H.et al.
SINEUPS: A new class of natural and synthetic antisense long non-coding RNAs that activate translation
RNA Biology 12 (8) p.p.771-779 , 2015

[10.1371/journal.pone.0118342](https://doi.org/10.1371/journal.pone.0118342)

[10.1063/1.4917171](https://doi.org/10.1063/1.4917171)

[10.1021/acs.jpcc.5b03381](https://doi.org/10.1021/acs.jpcc.5b03381)

[10.1088/1475-7516/2015/06/033](https://doi.org/10.1088/1475-7516/2015/06/033)

[10.1088/1742-5468/2015/06/P06009](https://doi.org/10.1088/1742-5468/2015/06/P06009)

[10.1103/PhysRevB.91.245130](https://doi.org/10.1103/PhysRevB.91.245130)

[10.3389/fncir.2015.00051](https://doi.org/10.3389/fncir.2015.00051)

[10.1016/j.bbr.2014.12.053](https://doi.org/10.1016/j.bbr.2014.12.053)

[10.1039/c4cp05776g](https://doi.org/10.1039/c4cp05776g)

[10.1080/15476286.2015.1060395](https://doi.org/10.1080/15476286.2015.1060395)

Zucchelli, S.Fasololo, F.Russo, R.et al.

SINEUPs are modular antisense long non-coding RNAs that increase synthesis of target proteins in cells
Frontiers in Cellular Neuroscience 9 () 174 , 2015

[10.3389/fncel.2015.00174](https://doi.org/10.3389/fncel.2015.00174)

Zuhone, J.A.Kunz, M.W.Markevitch, M.et al.

The Effect of Anisotropic Viscosity on Cold Fronts in Galaxy Clusters
Astrophysical Journal 798 (2) 90 , 2015

[10.1088/0004-637X/798/2/90](https://doi.org/10.1088/0004-637X/798/2/90)

Žunkovič, B.

Continuous phase-space methods on discrete phase spaces
EPL 112 (1) 10003 , 2015

[10.1209/0295-5075/112/10003](https://doi.org/10.1209/0295-5075/112/10003)

Zuo, Y.Safaai, H.Notaro, G.et al.

Complementary Contributions of Spike Timing and Spike Rate to Perceptual Decisions in Rat S1 and S2 Cortex
Current Biology 25 (3) p.p.357-363 , 2015

[10.1016/j.cub.2014.11.065](https://doi.org/10.1016/j.cub.2014.11.065)