

FEDERICO PIAZZA: LIST OF PUBBLICATIONS [about 650 citations (Spires)]

1. **“Almost Scale Invariant Spectrum and Softly Broken Symmetries”**
J. Khoury and F. Piazza, in progress
2. **“A light scalar in the Higgs sector: dark matter and equivalence principle violations”**
F. Piazza and M. Pospelov, to appear
3. **“Some new views on the low-energy side of gravity”**
F. Piazza, arXiv:0910.4677 [gr-qc] [SPIRES entry](#)
4. **“The universe is accelerating. Do we need a new mass scale?”**
S. Nesseris, F. Piazza and S. Tsujikawa
arXiv:0910.3949 [astro-ph.CO] [SPIRES entry](#)
5. **“The IR-Completion of Gravity: What happens at Hubble Scales?”**
F. Piazza,
New J. Phys. **11**, 113050 (2009) [arXiv:0907.0765 [hep-th]] [SPIRES entry](#)
6. **“Modifying Gravity in the Infra-Red by imposing an ‘Ultra-Strong’ Equivalence Principle”**
F. Piazza, arXiv:0904.4299 [hep-th] [SPIRES entry](#)
To appear in the December 2009 Special Issue of Int. J. Mod. Phys. D.
Honorable mention at the Gravity Research Foundation Essay Competition 2009
7. **“Rapidly-Varying Speed of Sound, Scale Invariance and Non-Gaussian Signatures”**
J. Khoury and F. Piazza
JCAP **0907**, 026 (2009) [arXiv:0811.3633 [hep-th]] [SPIRES entry](#)
8. **“Modelling a Particle Detector in Field Theory”**
F. Costa and F. Piazza
New J. Phys. **11**, 113006 (2009) [arXiv:0805.0806[hep-th]] [SPIRES entry](#)
9. **“A Renormalized Thermal Entropy in Field Theory”**
S. Cacciatori, F. Costa and F. Piazza
Phys. Rev. D **79**, 025006 (2009), [arXiv:0803.4087[hep-th]] [SPIRES entry](#)
10. **“Volumes of Space as Subsystems”**
F. Piazza and F. Costa
PoS(QG-Ph)032 arXiv:0711.3048 [gr-qc] [SPIRES entry](#)
Proceedings of “From Quantum to Emergent Gravity: Theory and Phenomenology”.
11. **“Measuring deviations from a cosmological constant: a field-space parameterization”**
R. Crittenden, E. Majerotto and F. Piazza
Phys. Rev. Lett. **98**, 251301 (2007) [arXiv:astro-ph/0702003] [SPIRES entry](#)
12. **“SNLS data are consistent with acceleration at $z=3$ ”**
L. Amendola, M. Gasperini and F. Piazza
Phys. Rev. D **74**, 127302 (2006) [arXiv:astro-ph/0610574] [SPIRES entry](#)
13. **“Quantum degrees of freedom of a region of spacetime”**
F. Piazza
AIP Conf. Proc. **841**, 566 (2006) [arXiv:hep-th/0511285] [SPIRES entry](#)
Proceedings of “A Century of Relativity Physics (ERE05)”, Oviedo, Asturias, Spain, 6-10 Sep 2005
14. **“Enhanced gravitational scattering from large extra dimensions”**
K. Koyama, F. Piazza and D. Wands
arXiv:hep-th/0510210 [SPIRES entry](#)

15. **“Glimmers of a pre-geometric perspective”**
F. Piazza,
Found. Phys. in press [arXiv:hep-th/0506124] [SPIRES entry](#)
16. **“Fitting type Ia supernovae with coupled dark energy”**
L. Amendola, M. Gasperini and F. Piazza
JCAP **0409**, 014 (2004) [arXiv:astro-ph/0407573] [SPIRES entry](#)
17. **“Dilatonic ghost condensate as dark energy”**
F. Piazza and S. Tsujikawa
JCAP **0407**, 004 (2004) [arXiv:hep-th/0405054] [SPIRES entry](#)
18. **“The Gravitational Suppression Hypothesis: Dynamical Analysis in the Small Velocity Regime”**
C. Marinoni and F. Piazza
arXiv:astro-ph/0312001 [SPIRES entry](#)
19. **“The GraS hypothesis: A model for dark matter - baryons gravitational interaction”**
F. Piazza and C. Marinoni
arXiv:astro-ph/0309490 [SPIRES entry](#)
Proceedings of “Where Cosmology and Fundamental Physics Meet”, Marseille, France, 23-26 Jun 2003
20. **“Model for gravitational interaction between dark matter and baryons”**
F. Piazza and C. Marinoni
Phys. Rev. Lett. **91**, 141301 (2003) [arXiv:hep-ph/0304228] [SPIRES entry](#)
21. **“Violations of the equivalence principle in a dilaton-runaway scenario”**
T. Damour, F. Piazza and G. Veneziano
Phys. Rev. D **66**, 046007 (2002) [arXiv:hep-th/0205111] [SPIRES entry](#)
22. **“Runaway dilaton and equivalence principle violations”**
T. Damour, F. Piazza and G. Veneziano
Phys. Rev. Lett. **89**, 081601 (2002) [arXiv:gr-qc/0204094] [SPIRES entry](#)
23. **“Quintessence as a run-away dilaton”**
M. Gasperini, F. Piazza and G. Veneziano
Phys. Rev. D **65**, 023508 (2002) [arXiv:gr-qc/0108016] [SPIRES entry](#)
24. **“Quasi-normal modes of charged, dilaton black holes”**
V. Ferrari, M. Pauri and F. Piazza
Phys. Rev. D **63**, 064009 (2001) [arXiv:gr-qc/0005125] [SPIRES entry](#)