Jérôme Gleyzes

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Education

2012-2015 PhD at the Institut de Physique Théorique (IPhT) of CEA Saclay. Advisor Filippo Vernizzi.

2010-2012 Masters in theoretical physics at Ecole Normale Supérieure Paris (ENS) with distinctions.

2009-2010 Bachelor of science at Ecole Normale Supérieure Paris (ENS) with distinctions.

Publications

[1] Essential Building Blocks of Dark Energy, **J.Gleyzes**, D.Langlois, F.Piazza, F.Vernizzi, JCAP 1308 (2013) 025 [arXiv:1304.4840]

[2] Single-Field Consistency Relations of Large Scale Structure. Part II: Resummation and Redshift Space, P.Creminelli, **J.Gleyzes**, M.Simonovic, F.Vernizzi, JCAP 1402 (2014) 051 [arXiv:1311:0290]

[3] Single-Field Consistency Relations of Large Scale Structure. Part III: Test of the Equivalence Principle, P.Creminelli, **J.Gleyzes**,L.Hui, M.Simonovic, F.Vernizzi, JCAP 1406 (2014) 009 [arXiv:1312:6074]

[4] Healthy theories beyond Horndeski, **J.Gleyzes**, D.Langlois, F.Piazza, F.Vernizzi, Phys.Rev.Lett. 114 (2015) 21, 211101 [arXiv:1404.6495]

[5] Resilience of the standard predictions for primordial tensor modes, P.Creminelli, **J.Gleyzes**, J.Noreña, F.Vernizzi, Phys. Rev. Lett. 113, 231301 (2014) [arXiv:1407.8439]

[6] Exploring gravitational theories beyond Horndeski, **J.Gleyzes**, D.Langlois, F.Piazza, F.Vernizzi, JCAP 1502 (2015) 018 [arXiv:1408.1952]

[7] A unifying description of dark energy, **J.Gleyzes**, D.Langlois, F.Vernizzi, Int.J.Mod.Phys. D23 (2015) 13, 1443010 [arXiv:1411.3712]

[8] Modified gravity inside astrophysical bodies, R.Saito, D.Yamauchi, S.Mizuno, **J.Gleyzes**, D.Langlois, JCAP 1506 (2015) 008 [arXiv:1503.01448]

[9] Effective Theory of Interacting Dark Energy, **J.Gleyzes**, D.Langlois, M.Mancarella, F.Vernizzi, JCAP 1508 (2015) 08, 054 [arXiv:1504.05481]

[10] Effective Theory of Dark Energy at Redshift Survey Scales, **J.Gleyzes**, D.Langlois, M.Mancarella, F.Vernizzi, [arXiv:1509.02191]

Talks

26/11/14 *''Healthy theories beyond Horndeski''* ITP, Heidelberg, Germany.

19/11/14 *''Uniting theories and observations: the Essential Building Blocks of Dark Energy''* ITF, Utrecht, the Netherlands.

03/11/14 *''Uniting theories and observations: the Essential Building Blocks of Dark Energy''* IAP, Paris.

10/09/14 *''Healthy theories beyond Horndeski''* Columbia University, New York City.

08/09/14 *''Healthy theories beyond Horndeski''* University of Pennsylvania, Philadelphia, PA.

03/09/14 *''Healthy theories beyond Horndeski''* Case Western Reserve

University, Cleveland, OH.

02/07/14 *''Healthy theories beyond Horndeski''* LPT Orsay, France.

24/05/14 *''Healthy theories beyond Horndeski''* APC, Paris.

16/04/14 *''Consistency relations for the large scale structures''* Progress on Old and New Themes in Cosmology, Avignon, France.

12/06/13 *''The Effective Field Theory of Dark Energy''* ICG, Portsmouth.

11/06/13 *''The Effective Field Theory of Dark Energy''* DAMTP, Cambridge.

10/06/13 *''The Effective Field Theory of Dark Energy''* Oxford.

Posters

25/08/14-29/08/14 COSMO 2014, in Chicago.

14/07/14-18/07/14 Non-Linear Structure in the Modified Universe, Lorentz Center, Leiden, the Netherlands.

Conferences

04/08/14-08/08/14 Summer school on Cosmology at the International Center for Theoretical Physics, in Trieste.

10/07/14-13/07/14 Cosmological Frontiers in Fundamental Physics 2014, laboratoire APC, Paris.

08/07/13-04/08/13 Les Houches summer school «Post Planck Cosmology», France.

14/03/13-15/03/13 Cosmological Tests of Gravity, Oxford.

07/02/13-08/02/13 Workshop Dark Energy Phenomenology, at laboratoire Astroparticule et Cosmologie (APC), Paris.

16/07/12-02/08/12 Summer school on Cosmology at the International Center for Theoretical Physics, in Trieste, Italy.

References

Filippo Vernizzi, Institut de Physique Théorique CEA Saclay, filippo.vernizzi@cea.fr

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Paolo Creminelli, International Center for Theoretical Physics, creminel@ictp.it

Federico Piazza, Columbia University, fedosquare@gmail.com

Pedro Ferreira, Oxford University, p.ferreira1@physics.ox.ac.uk

Andrew Tolley, Case Western Reserve University, andrew.j.tolley@case.edu