

List of communications

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- Invited talks at international meetings**
4. *Bayesian large-scale structure inference*
08/07/2016. BAO & RSD: dark light on obscure acronyms, workshop at the Sexten-CfA, Sesto, Italy [slides]
 3. *Cosmic web analysis and information theory: some recent results*
10/06/2016. Mapping the Cosmic Web: A Frontier in Cosmology and Astrophysics, workshop at the Royal Astronomical Society, London, UK [slides]
 2. *Constrained simulations of the dynamic cosmic web*
27/11/2014, Deciphering the dynamic Universe: confronting predictions with observations, workshop at the Max-Planck-Institut für Astrophysik, Garching, Germany [slides]
 1. *Bayesian inference of dark matter voids in galaxy surveys*
21/08/2014, Cosmic Voids in the Next Generation of Galaxy Surveys, workshop at CCAPP, Columbus, Ohio, USA [slides]
- Invited seminars**
8. *Bayesian large-scale structure inference, likelihood-based and likelihood-free approaches*
31/01/2018. Astrophysics Group, Imperial College London, London, UK [slides]
 7. *Farewell talk*
16/05/2017. Institute of Cosmology and Gravitation, University of Portsmouth, Portsmouth, UK [slides]
 6. *How is the cosmic web woven? A Bayesian approach*
22/06/2016. Special Universe talk at the Excellence Cluster Universe, Garching, Germany [slides]
 5. *Probabilistic large-scale structure inference, cosmic web analysis and information theory*
25/04/2016. University of Sussex, Brighton, UK [slides]
 4. *Bayesian large-scale structure inference and cosmic web analysis*
08/12/2015. Institute of Cosmology and Gravitation, University of Portsmouth, Portsmouth, UK [slides]
 3. *Bayesian large-scale structure inference and cosmic web analysis*
02/03/2015. GRACO seminar, Institut d'Astrophysique de Paris, Paris, France [slides]
 2. *How did structure appear in the Universe? A Bayesian approach*
09/12/2014. Physics Division Research Progress Meeting, Lawrence Berkeley National Laboratory, Berkeley, California, USA [slides]
 1. *Bayesian chrono-cosmography*
03/09/2014. Institute for Advanced Study, Princeton, New Jersey, USA [slides]
- Contributed talks**
8. *How is the cosmic web woven? Inference with generative cosmological models*
28/08/2017. COSMO17 conference, Paris, France [slides]
 7. *Cosmic web analysis and information theory: some recent results*
26/05/2016. Statistical Challenges in 21st Century Cosmology, Chania, Crete, Greece [slides]

6. *Cosmic web analysis and information theory: some recent results*
13/01/2016. Statistical sampling and non-sampling methods in cosmology, workshop at the University of California, Berkeley, California, USA [slides]
5. *Probabilistic cartography of the large-scale structure*
21/08/2015. Rencontres du Vietnam 2015: Cosmology 50 years after CMB discovery, Quy Nhon, Vietnam [slides] [proceedings]
4. *How is the Cosmic Web Woven? A Bayesian Approach*
14/05/2015. Advanced Workshop on Cosmological Structures from Reionization to Galaxies: Combining Efforts from Analytical and Numerical Methods, ICTP, Trieste, Italy [slides]
3. *How did structure appear in the Universe? A Bayesian approach*
27/08/2014. COSMO 2014 conference, Chicago, Illinois, USA [slides]
2. *Bayesian inference of the initial conditions from large-scale structure surveys*
26/06/2014. The Zeldovich Universe, Genesis and Growth of the Cosmic Web, IAU Symposium 308, Tallinn, Estonia [slides] [proceedings]
1. *Bayesian large-scale structure inference: initial conditions and cosmic voids*
25/05/2014, Statistical Challenges in 21st Century Cosmology, IAU Symposium 306, Lisbon, Portugal [slides] [proceedings]

Posters

1. *Bayesian inference of dark matter voids in galaxy surveys*
22/03/2014. Rencontres de Moriond, Cosmology session, La Thuile, Aosta Valley, Italy [poster] [proceedings]

Other talks

24. *Simulation-based large-scale structure inference*
23/01/2018. Journal-club Univers, Institut d'Astrophysique de Paris, Paris, France [slides]
23. *Bayesian optimisation for likelihood-free cosmological inference*
29/03/2017. Theory group meeting, Institute of Cosmology and Gravitation, University of Portsmouth, Portsmouth, UK [slides]
22. *Cosmic web analysis in the SDSS main galaxy sample and implications for galaxy colors*
26/01/2017. Journal-club Galaxies, Institut d'Astrophysique de Paris, Paris, France [slides]
21. *The phase-space structure of nearby dark matter*
24/01/2017. Journal-club Univers, Institut d'Astrophysique de Paris, Paris, France [slides]
20. *The phase-space structure of nearby dark matter as constrained by the SDSS main galaxy sample*
15/12/2016. ICAP meeting, Institut d'Astrophysique de Paris, Paris, France [slides]
19. *Cosmic web analysis with the BORG SDSS run*
31/10/2016. Max-Planck-Institut für Astrophysik, Garching, Germany [slides]
18. *Cosmic web analysis and information theory: some recent results*
05/01/2016. Journal-club Univers, Institut d'Astrophysique de Paris, Paris, France [slides]
17. *Bayesian large-scale structure inference and cosmic web analysis*
24/09/2015. PhD defence, Institut d'Astrophysique de Paris, Paris, France [slides]
16. *Bayesian large-scale structure inference and cosmic web analysis*
30/04/2015. Large-scale structure group meeting, Institute of Cosmology and Gravitation, University of Portsmouth, Portsmouth, UK [slides]
15. *Bayesian large-scale structure inference and cosmic web analysis*
03/04/2015. Journée des thèses, Institut d'Astrophysique de Paris, Paris, France [slides]

14. *Bayesian large-scale structure inference and cosmic web analysis*
05/03/2015. ICAP meeting, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
13. *Cosmic Order and Complexity*
25/02/2015. YMCA, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
12. *Cosmic Order and Complexity*
12/12/2014. [Elbereth 2014](#) conference, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
11. *Bayesian inference and cosmic web classification*
15/05/2014. ICAP meeting, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
10. *Bayesian large-scale structure inference: initial conditions and cosmic voids*
09/04/2014. YMCA, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
9. *Bayesian inference of the initial conditions from large-scale structure surveys*
14/03/2014. Journée des thèses, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
8. *Cosmostatistics: the initial conditions and the large-scale structure of the Universe*
27/11/2013. [Elbereth 2013](#) conference, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
7. *Cosmostatistics: the initial conditions and the large-scale structure of the Universe*
20/11/2013. PhD, Astroparticules & Cosmologie, Paris, France [[slides](#)]
6. *Cosmostatistics: the initial conditions and the large-scale structure of the Universe*
09/11/2013. [Strings, Cosmology and Gravity Student Conference 2013](#), Max-Planck-Institute for Physics, Munich, Germany [[slides](#)]
5. *Cosmostatistics: the initial conditions and the large-scale structure of the Universe*
09/07/2013. [Post-Planck Cosmology](#), 100th Les Houches School of Physics, Les Houches, France [[slides](#)]
4. *The initial conditions and the large-scale structure of the Universe*
12/06/2013. YMCA, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
3. *Optimizing Lagrangian perturbation theory in the mildly non-linear regime of cosmic structure formation via one-point remapping*
26/04/2013. [Institute for Advanced Study](#), Princeton, New Jersey, USA [[slides](#)]
2. *The large-scale structure of the Universe as a probe of primordial physics*
29/03/2013. Journée des thèses, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]
1. *Large-scale structure and cosmic voids as probes of primordial physics*
12/12/2012. [Elbereth 2012](#) conference, Institut d'Astrophysique de Paris, Paris, France [[slides](#)]