

## Eric Jullo

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### Current position

Since Sept 2012: Associate Astronomer in Aix-Marseille University, Laboratoire d'Astrophysique de Marseille

*Research themes*: Tests of the cosmological model, dark matter, dark energy, gravitational lensing, galaxy cluster lens modeling, wide field surveys in imaging and spectroscopy

*Astronomer Duty*: Euclid ESA space mission. Simulations for the data reduction pipeline

### Professional History

August 2011 August 2012: CNES postdoctoral researcher at LAM, France

January 2008 July 2011: NASA postdoctoral researcher at JPL, USA with Jason Rhodes

November 2005 December 2007: PhD at European South Observatory, Chile (supervisors: J.-P. Kneib, A. Smette)

### Education

November 2008 : PhD "Radiation, Plasmas and Astrophysics", Provence University, Marseille, France

September 2005 : Master 2 "Radiation, Plasmas and Astrophysics", Provence University, Marseille, France

September 2002 : Engineering degree in Computing Science, INSA Lyon, France

### Teaching duties

2015-2017: Master 1 project in gravitational lensing and numerical recipes

2012-2014: Lab course in Physics (1<sup>st</sup> year)

Since 2012: Lab course in Maths (1<sup>st</sup> year)

Since 2012: Master 2 lectures in software engineering for distributed control systems

Supervision of 7 PhD thesis (latest: Anirut Phriksee, Ana Acebron, Anna Niemiec), 14 undergraduate students

### Main publications

A. Phriksee, **E. Jullo**, et al., 2019, "*Weak Lensing Analysis of CODEX Clusters using Dark Energy Camera Legacy Survey : Mass-Richness Relation*", accepted in MNRAS

**E. Jullo** et al., 2019, "*Testing gravity with galaxy-galaxy lensing and redshift-space distortions using CFHT-Stripe 82, CFHTLenS, and BOSS CMASS datasets*", A&A, 627, 137

Niemiec A., **Jullo E.** et al., 2019, "*Dark matter stripping in galaxy clusters: a look at the Stellar to Halo Mass relation in the Illustris simulation*", MNRAS, 487, 653

Niemiec A., **Jullo E.** et al., 2017, "*Stellar-to-Halo mass relation of cluster galaxies*", MNRAS, 471, 1153

de la Torre S., **Jullo E.** et al., 2017, "*The VIMOS Public Extragalactic Redshift Survey (VIPERS). Gravity test from the combination of redshift-space distortions and galaxy-galaxy lensing at  $0.5 < z < 1.2$* ", A&A, 608, 44

Giocoli C., **Jullo E.**, Metcalf R.B., et al., 2016, "*MultiDarkLens Simulations: weak lensing light-cones and data base presentation*", MNRAS, 461, 209

**E. Jullo** et al., 2014, "*Weak lensing galaxy cluster field reconstruction*", MNRAS, 437, 3969

J. Comparat, **E. Jullo** et al., 2013, "*Stochastic bias of colour-selected BAO tracers by joint clustering-weak lensing analysis*", MNRAS, 433, 1146

**E. Jullo** et al., 2010, "*Cosmological Constraints from Strong Gravitational Lensing in Clusters of Galaxies*", **Science**, 329, 924