

Atelier MOONS -France 17-18 Octobre 2016

Programme

Day 1

Chair H. Flores

10:45 - 11:00 Welcome

11:00 - 11:45 MOONS (M. Cirasoulo)

11:45 - 12:10 Status of MOONS DRS and future tools (F. Royer, GEPI)

Stellar science

12:10 - 12:30 Chemical investigations with MOONS observations (E. Caffau, GEPI)

12:30 - 14:00 Lunch

14:00 - 14:20 Automated parametrization of MOONS stellar spectra (A. Recio Blanco, OCA)

14:20 - 14:40 The APOGEE survey (M. Shultheis, OCA)

14:40 - 15:00 Galactic stellar populations with MOONS (I) (M. Haywood, GEPI)

15:00 - 15:20 Galactic stellar populations with MOONS (II) (P. Di Matteo, GEPI)

15:20 - 15:40 Using MOONS to study the Local Group dwarf galaxies. (N. Martin, OAS)

15:40 - 16:00 Coffee break

16:00 - 16:20 Dwarf galaxies in the local group (V. Hill)

16:20 - 16:40 The Bulge with GAIA & MOONS (C. Babusiaux, GEPI)

16:40 - 17:00 First stars with MOONS: some ideas for the Bulge (S. Salvadori, GEPI)

17:00 - 17:20 Dynamics of the Galactic bar and spirals (B. Famaey, OAS)

Day 2

Chair E. Caffau

Extragalactic science

09:50 - 10:10 Following-up high redshift clusters in the Planck, Spitzer, JWST and Euclid era (C. Martinache, IAS)

10:10 - 10:30 MOONS/Euclid synergy for clusters of galaxies (S. Maurogordato, OCA)

10:30 - 10:50 Electromagnetic counterparts of gravitational waves with MOONS (S. Vergani, GEPI)

10:50 - 11:20 Coffee break

11:20 - 11:40 MOONS as a redshift and spectra machine for MeerKAT surveys (S. Vergani, GEPI)

11:40 - 12:00 Active galactic nuclei and star forming galaxies with LOFAR and MOONS (C. Tasse)

12:00 - 12:20 Unveiling the low-mass galaxy population at intermediate redshift with MUSE (T. Contini, IRAP)

12:20 - 12:40 Metallicity of distant galaxies (M. Rodrigues, GEPI)

12:40 - 14:00 Lunch

Chair M. Rodrigues

14:00 - 14:20 MOONS: constraints on the reionization (R. Pello, IRAP)

Synergies

14:20 - 14:40 E-ELT/MOSAIC (M. Puech, GEPI)

14:40 - 15:00 First light and Reionization with JWST and MOONS (H. Atek, IAP)

15:00 - 15:20 EUCLID (S. Mei, GEPI)

15:20 - 15:50 Discussion (All)