

DIPARTIMENTO DI FISICA E ASTRONOMIA "G. Galilei"

**SCUOLA DI DOTTORATO IN ASTRONOMIA**

Ph.D. workshop 2014

**27 NOVEMBRE 2014**

- 9.00 **BASO GIACOMO** - Exploring the Mass-Concentration Relation of Dark Matter Halos  
9.15 **GAMBAROTTO PIETRO** - Formation of Dark Matter Halos: Statistics and Dynamics of the Ellipsoidal Collapse Model  
9.30 **ZEMKO POLINA** - Searching for hydrogen burning white dwarfs in nova-like stars  
9.45 **PACCAGNELLA ANGELA** - Galaxy properties and their environment  
10.00 **PICCOLI ELENA** - Exoplanets characterisation with Cherenkov Telescopes  
10.15 **SISSA ELENA** -  $H\alpha$ : an indicator of accretion and activity for exoplanets

*coffee break*

- 11.00 **GREGGIO DAVIDE** (*collegamento SKYPE*) - JANUS and SHARK: imaging moons and exoplanets  
11.15 **SLEMER ALESSANDRA** - Advanced stellar evolution and related nucleosynthesis  
11:30 **BONFANTI ANDREA** - Characterization of exoplanets and their hosting stars  
11:50 **BERTON MARCO** - The parent population of  $\gamma$  Narrow Line Seyfert 11.55  
12:10 **BURTOVOI ALEKSANDR** - Investigation of the Very High Energy emission of pulsars with the Cherenkov Telescope Array

*Pranzo*

- 14.00 **BOLDRIN MICHELE** - Clustering and lensing properties of Dark Matter in the Euclid era  
14.20 **MARAFATTO LUCA** - Ground layer correction on an 8m telescope: a NIRVANA from the lab to the sky  
14.40 **RODRIGUES THAISE** - Bayesian distances and extinctions for giants observed by *Kepler* and APOGEE  
15.00 **TARTAGLIA LEONARDO** - Interacting supernovae and supernova impostors  
15.20 **LIBRALATO MATTIA** - High-precision astrometry with wide-field infrared imagers
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**28 NOVEMBRE 2014**

9.00 **NARDIELLO DOMENICO** (*collegamento SKYPE*) - HST and ground-based analysis of multiple stellar populations in Globular Clusters

9.25 **CUNIAL ANDREA** - Photometric searches for exoplanets and variability in star clusters

9.50 **PARMIGGIANI MARCO** - Environmental effects on the evolution of dwarf and low surface brightness

10.15 **ZIOSI BRUNETTO MARCO** - The impact of stellar evolution and dynamics on the formation of compact-object binaries

10.40 **BARONCHELLI IVANO** (ammissione esame finale) - Multiwavelength analysis of high-redshift far-Infrared galaxies detected by the Herschel Space Observatory in the South Ecliptic Pole field

*coffee break*

12:00 **DE PASCALE MARCO** - Machine learning and advanced statistics in astronomy: two applications

12:40 **RODEGHIERO GABRIELE** (ammissione esame finale)- Optical design study, testing and qualification of a Schwarzschild-Couder telescope for CTA and an assessment on the Intensity Interferometry capabilities with CTA

*Pranzo*

15:00 **BONATO MATTEO** (ammissione esame finale) - Predictions for imaging and spectroscopic surveys of galaxies and Active Galactic Nuclei in the mid-/far-Infrared

15.40 **CANTAT TRISTAN GAUDIN** (ammissione esame finale)- Open Clusters as Tracers of the Galactic Disk

16.20 **DESPALI GIULIA** (ammissione esame finale) Ellipsoidal collapse of dark matter haloes in cosmological simulations

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