



BinaMIcS #3 - Paris Observatory
July 21st to 23rd 2014

Schedule

Monday July 21st 2014

SESSION 1: OVERVIEW ON THE SPECTROPOLARIMETRIC LP OBSERVATIONS

- 9:30 – 10:00 *The ESPaDOnS LP* (E. Alecian)
10:00 – 10:30 *The Narval LP* (C. Neiner)
10:30 – 11:00 Coffee break

SESSION 2: ANALYSIS OF MASSIVE SB2 SYSTEMS

- 11:00 – 11:30 *The curious case of Plaskett's star: Are we unravelling the mystery?* (J. Grunhut)
11:30 – 12:00 *The weak magnetic field of zeta Ori A* (A. Blazere)
12:00 – 12:30 *The magnetically confined wind of HD 35502* (J. Sikora)
12:30 – 14:00 Lunch break
14:00 – 14:30 *Spectroscopic analysis of the magnetic SB2 HD 5550* (A. Tkachenko)
14:30 – 15:00 *Rotational, Magnetic, and Orbital Constraints From New ESPaDOnS Observations* (M. Shultz)
15:00 – 15:30 Discussion: The TC sample and its analysis
15:30 – 16:00 Coffee break

SESSION 3: INTERFEROMETRIC, IR AND RADIO COMPLEMENTARY STUDIES

- 16:00 – 16:30 *Follow-up interferometric observations* (J.-B. Le Bouquin)
16:30 – 17:00 *Massive-stars magnetospheres with near-infrared glasses* (M. Oksala)
17:00 – 17:30 *Studying the radio emission from the magnetic massive stars* (P. Chandra)
17:30 – 18:00 Discussion: Additional observing programs



Tuesday July 22nd 2014

SESSION 4: DYNAMOS FIELDS

- 9:30 – 10:00 *Spectropolarimetric observations of the cool SB2 systems* (J. Morin)
10:00 – 10:30 *History of the Magnetic Sun: The evolution of surface magnetic fields in young solar-type stars* (C. Folsom)
10:30 – 11:00 Coffee break
11:00 – 11:30 *Tidally driven dynamos in a rotating sphere* (D. Cébron)
11:30 – 12:00 Discussion: Analysis of the cool component

12:00 – 14:00 Lunch break

SESSION 5: MAGNETIC FIELDS IN STAR FORMATION AND FOSSIL FIELDS

- 14:00 – 14:30 *Collapse of turbulent, magnetised, and massive dense core: early fragmentation inhibition* (B. Commerçon)
14:30 – 15:00 *Decoupling of neutral matter and magnetic fields in low mass star formation* (J. Masson)
15:00 – 15:30 *Formation of fossil fields in rotating stars* (C. Emeriau)
15:30 – 16:00 Coffee break
16:00 – 16:30 *The hot survey component of BinaMICS and the fossil field* (E. Alecian)
16:30 – 17:00 *Binary mergers, blue stragglers, and fossil fields* (J. Grunhut)
17:00 – 17:30 Discussion: Future studies on fossil fields: observational constraints and theories

Wednesday July 23rd 2014

SESSION 6: ANALYSIS AND OTHER TOOLS

- 9:30 – 10:00 *Spectroscopic analysis of hot binary systems ?* (F. Martins)
10:00 – 10:30 *Statistical Bayesian dipolar analysis of the MiMeS Survey Component sample, and application to the BinaMICS Survey* (V. Petit)
10:30 – 11:00 Coffee Break
11:00 – 11:30 *The CADMOS BinaMICS website* (D. Bohlender)
11:30 – 12:00 Discussion: The Narval LP renewal, and the following of the LP ESPaDOnS
12:00 – 12:30 Discussion: Logistics (Financing, manpower ...)

12:30 – 14:00 Lunch break

SESSION 7: MiMeS/BINAMICS SESSION

- 14:00 – 14:30 *Using physical models to interpret LSD profiles of magnetic stars* (O. Kochukhov)
14:30 – 15:00 *Analysis of the Stokes IQUV observations of HD 125248* (N. Rusomarov)
15:00 – 15:30 *Analytic Dynamical Magnetosphere (ADM)* (S. Owocki)
15:30 – 16:00 Coffee break
16:00 – 16:30 *Update on theta1 Ori C's X-rays: The magnetically confined wind shock model does a pretty good job* (D. Cohen)
16:30 – 17:00 *Bright spots and discrete absorption components: understanding the role of ionization* (A. David-Uraz)
16:30 – 17:00 Discussion: An IAU commission on Stellar Magnetism