WORKSHOP
Large Area Optical Spectroscopic Surveys: Science with 4MOST

FINAL PROGRAM

Program Version 09/11/2012
(CT = Contributed Talks; Otherwise Invited Speakers)
Tuesday November 13th 2012

9:00-9:30 Registration

4MOST Science: Follow up of Gaia & eRosita  (Chair: G. Gilmore)

9:30 – 4MOST in the context of the Science Roadmaps – R. de Jong
9:50 – Gaia Overview & Timeline & Input Catalogs for 4MOST – A. Brown
10:10 – eRosita Overview & Timeline & Input Catalogs for 4MOST – A. Schwope
10:30 – 4MOST Design Reference Surveys (overview) – C. Chiappini
10:50 – 4MOST Facility Simulator – T. Dwelly

11:10 – Coffee Break

4MOST in the context of other spectroscopic Surveys  (Chair: P. Francois)

11:40 – WEAVE and 4MOST all-sky spectroscopic surveys in the Gaia era – S. Trager
12:00 – Gaia-ESO Survey – G. Gilmore
12:20 – RAVE – M. Steinmetz

Galactic System Surveys & Synergies with 4MOST

12:40 – 4MOST MW Halo Design Reference Surveys – A. Korn

13:00 – Lunch Break  (Chair: S. Trager)

14:00 – 4MOST MW Disk Design Reference Surveys – I. Minchev
14:20 – LSST and 4MOST – M. Rich
14:40 – The VVV Survey - M. Rejkuba
15:00 – Galactic Plane Surveys with H-alpha: spectroscopic follow-up opportunities – J. Drew
15:20 – CoRoT – A. Miglio
15:40 – APOGEE & AS3 APOGEE – P. Frinchaboy

16:00 – Coffee Break + PHOTO 1  (Chair: J. Drew)

16:30 – SkyMapper and 4MOST – S. Keller
16:50 – The VMC Survey – M. Cioni
17:10 – CT: 4MOST and the Magellanic Clouds - The MegaMaC Survey: O. Schnurr
17:25 – 4MOST: Search for very-metal poor stars – H. Ludwig

17:40 – 18:30 Discussion – Moderator (G. Gilmore & N. Walton)

18:30 - End of Day 1
Wednesday November 14th 2012

9:00-9:30 Registration

Extra Science – Galactic (Chair: S. Keller)

9:30 – Galactic Science with eROSITA targets - R. Wichmann
9:50 – White Dwarfs – R. Napiwotzki
10:10 – CT: Constraining MW DM distribution with tidal streams - Sanderson
10:25 – CT: Metal poor-stars with 4MOST: how to chemically disentangle accreted debris – G. Cescutti
10:40 – CT: Stellar archaeology with GAIA and 4MOST: the 7th dimension – S. Greiss

11:00 – Coffee Break (Chair: M. Steinmetz)

11:30 – CT: Improving the analysis methods in spectroscopic surveys – K. Lind
11:45 – CT: SPACE, a new code for stellar parameters values estimation – C. Boeche

Extragalactic and Cosmology Surveys (Part I)

12:00 – 4MOST eROSITA Galaxy Clusters Design Ref. Survey – H. Boehringer
12:20 – 4MOST eROSITA AGN Design Reference Survey – A. Merloni
12:40 – EMU – A. Hopkins

13:00 – Lunch Break (Chair: P. Rosati)

14:00 – 4MOST redshift survey – F. Kitaura
14:20 – DESpec – D. Kirk
14:40 – Spectroscopic follow-up of the VST – ATLAS survey – T. Shanks
15:00 – The VISTA VIKING survey and 4MOST – W. Sutherland
15:20 – Euclid Overview – L. Guzzo

15:40 – Coffee Break + PHOTO 2

Extra Science – Extragalactic (Chair: S. Driver)

16:10 – CT: Expanding the 4MOST AGN science case beyond DRSs – T. Boller
16:30 – CT: AGN clustering measurements with eROSITA/4MOST: what can we learn? – M. Krumpe

17:50 – 18:00 Panel Discussion (3 invited moderators + input from attendees)

Moderators : A. Brown (Gaia), A. Merloni (eRosita), L. Guzzo (Euclid)

18:00 - End of Day 2

DINNER: Meet at the restaurant at 19:30
Thursday November 15th 2012

Extragalactic and Cosmology Surveys (Part II)  (Chair: P. Nandra)

  9:30 – Radio survey follow-up – M. Jarvis
  9:50 – The VHS Survey – M. Banerji
  10:10 – GAMA – S. Driver
  10:30 – BOSS/eBOSS – B. Nichol
  10:50 – CT: Cosmological Forecasts for WEAVE, and Comparisons with the Euclid Spectroscopic Survey – E. Macaulay

  11:10 – Coffee Break

Extra Science – Extragalactic  (Chair: B. Nichol)

  11:40 – CT: Studies of large scale structure with eRASS-AGN – A. Kolodzig
  12:00 – CT: Optical identification of X-ray sources in nearby galaxies – M. Sasaki
  12:20 – CT: High-resolution extragalactic science – J. Walcher

  12:40 – 13:00 – Conference Closing – C. Chiappini

  13:00 – Lunch Break

  14:00-16:00 Meeting of 4MOST SWP coordinators & Simulators – Moderator: O. Schnurr