



February 17-18, 2009 :: Austin, Texas

## **TUESDAY, FEBRUARY 17**

- 09:00 WELCOME (Lambert)
- 09:10 INTRODUCTION: WFU, VIRUS and DEX (Hill)
- 09:40 INTRODUCTION TO DEX PIPELINE (Drory)
- 10:10 DEX and COSMOLOGY (Gebhardt)
- 10:40 BREAK
- 11:00 DEX and EXTRAGALACTIC ASTRONOMY (Drory)
- 11:20 DEX and STARS (Allende Prieto)
- 11:40 DEX SCIENCE CASES – PART I
  - AGN (Gaskell, 10 min)
  - AGN (Wisotzki, 10 min)
  - LAEs (Blanc, 10 min)
  - LAEs and He II emission (Finkelstein, 10 min)
  - Power spectra (Shoji, 10 min)
- 12:30 LUNCH
- 13:30 DEX SCIENCE CASES – PART II
  - Measuring primordial non-Gaussianity from HETDEX power spectrum (Jeong, 10 min)
  - Probing Dark Energy with DEX (Weller, 10 min)
  - [OII] (Gronwall, 10 min)
  - Dwarf galaxies (de Jong, 10 min)
  - Nearby galaxies (van den Bosch & Yoachim, 10 min)
  - Galaxy clusters (Tran, 10 min)
  - Stars (Marshall, 10 min; Wilhelm, 10 min)
  - Super novae in DEX spectra (Vinko & Wheeler, 10 min)
- 15:00 BREAK
- 15:20 DEX SCIENCE CASES – DISCUSSION (Gebhardt)
- 15:50 VIRUS IN PARALLEL MODE (Shetrone, Hill)
- 16:10 SCIENCE CASES FOR PARALLEL MODE
  - Stars (Snedden, 10 min; Wilhelm, 10 min)
- 16:30 PARALLEL MODE – DISCUSSION (moderated by Lambert)
- 17:00 END
- 18:00 Dinner at the Clay Pit (1601 Guadalupe St.)

## **WEDNESDAY, FEBRUARY 18**

- 09:00 OTHER VIRUS SURVEYS
  - Cosmic variance of LAEs and [OII] emitters (Koehler, 20 min)
  - SWIRE fields (Papovich, 20 min)
  - Galactic Structure (Allende Prieto, 20 min)
- 10:00 OTHER VIRUS SURVEYS – DISCUSSION (moderated by DePoy)
- 10:20 DEX PIPELINE: NON-DEX REQUIREMENTS (Drory)
- 10:35 PIPELINE REQUIREMENTS – DISCUSSION (moderated by Schneider)
- 10:50 BREAK
- 11:10 VIRUS ADAPTATIONS AND MODIFICATIONS (Hill, Rafal)
- 11:30 SCIENCE CASES FOR A MODIFIED VIRUS (Greene, 10 min; DePoy, 10 min)
- 11:50 SCIENCE CASES FOR A MODIFIED VIRUS – DISCUSSION (moderated by DePoy)
- 12:15 LUNCH
- 13:00 FACILITY INSTRUMENTS IN THE WFU ERA – INTRODUCTION (Ramsey)
- 13:10 FACILITY INSTRUMENTS
  - Low-Resolution Spectroscopy in the HETDEX Era (Schneider, 10 min)
  - Low-Resolution Spectroscopy Options for the upgraded HET (Hill, 20 min)
  - MRS (Ramsey, 15 min)
- 13:55 DISCUSSION, INCLUDING NEW FACILITY INSTRUMENTS (moderated by Ramsey)
- 14:30 GENERAL DISCUSSION (moderated by Lambert)
  - The HETDEX Project's impressions (Gebhardt, Hill, Rafal)
  - The Participants' view of science with the HET in the WFU and VIRUS ERA
- 15:30 WORKSHOP ENDS