

**MONDAY, FEBRUARY 27**
**REGISTRATION 12:00 – 14:00**
**Session 1: STAR FORMATION & STELLAR EVOLUTION**

- 14:00 Stephan Paul (TUM)/Andreas Burkert (LMU)..... **Welcome**
- 14:05 Friedrich-K. Thielemann (U Basel)..... **Talk**  
Stellar nucleosynthesis: The key to galactic evolution
- 14:50 Garth Illingworth (UC Santa Cruz) ..... **Talk**  
First galaxies: Galaxy growth in the first billion years
- 15:35 Coffee
- 16:00 Linda Tacconi (MPE)..... **Talk**  
Galaxy assembly and star formation in the early Universe
- 16:45 Joachim Trümper (MPE)..... **Talk**  
Constraining the equation of state at super-nuclear densities by neutron star observations
- 17:30 ..... **Discussion**
- 18:00 POSTER SESSION
- 18:45 Dinner

**TUESDAY, FEBRUARY 28**
**Session 3: DARK MATTER & DARK ENERGY**

- 14:00 Bruno Leibundgut (ESO)..... **Talk**  
Supernova cosmology
- 14:45 Luca Amendola (U Heidelberg)..... **Talk**  
Searching for the unexpected with cosmological observations
- 15:30 Coffee
- 16:00 Anne Green (U Nottingham)..... **Talk**  
The dark matter distribution on galactic and smaller scales

**Session 4: LHC PHYSICS**

- 16:45 Johanna Stachel (U Heidelberg)..... **Talk**  
Exploring the quark-gluon plasma at the LHC - First results from ALICE
- 17:30 Pierluigi Campana (CERN, INFN Frascati) ..... **Talk**  
Heavy flavour physics at the LHC
- 18:15 ..... **Discussion**
- 18:45 Dinner

**WEDNESDAY, FEBRUARY 29**
**Session 6: GRAVITATION, INFLATION & STRINGS**

- 14:00 Georgi Dvali (LMU, MPP)..... **Talk**  
Non-Wilsonian UV-completion by classicalization in particle physics and gravity
- 14:45 Hartmut Abele (Atominstitut, TU Vienna) ..... **Talk**  
Gravity resonance spectroscopy - Physics with ultra-cold neutrons
- 15:30 Coffee
- 16:00 Dieter Lüst (LMU, MPP)..... **Talk**  
Strings and (Non)-Geometry
- 16:45 Cliff Burgess (Perimeter Inst. & McMaster U)..... **Talk**  
Extra dimensions, the cosmological constant problem and the LHC
- 17:30 Scott Dodelson (U Chicago, Fermilab) ..... **Talk**  
Inflation and the cosmic microwave background
- 18:15 ..... **Discussion**
- 18:45 Dinner

**TUESDAY, FEBRUARY 28**
**Session 2: NON-THERMAL UNIVERSE**

- 09:00 Werner Hofmann (MPIK Heidelberg)..... **Talk**  
High-energy astronomy
- 09:45 Roberto Battiston (INFN, U Perugia)..... **Talk**  
Cosmic ray physics
- 10:30 Coffee
- 11:00 Jeremiah Ostriker (Princeton U)..... **Talk**  
On the formation of massive galaxies and their central black holes
- 11:45 ..... **Discussion**
- 12:00 Lunch

**WEDNESDAY, FEBRUARY 29**
**Session 5: LEPTOGENESIS & FLAVOUR PHYSICS**

- 09:00 Alexei Smirnov (INR Trieste)..... **Talk**  
Neutrinos: masses, mixing and symmetries
- 09:45 Thierry Lasserre (Saclay, CEA Paris)..... **Talk**  
Neutrinos: recent results and developments
- 10:30 Coffee
- 11:00 Stefan Pokorski (U Warsaw)..... **Talk**  
With or without a Higgs?
- 11:45 ..... **Discussion**
- 12:15 Lunch

**THURSDAY, MARCH 01**
**Session 7: LHC & COSMOLOGY**

- 09:00 Rolf-Dieter Heuer (CERN)..... **Talk**  
Physics at the LHC
- 10:00 John Ellis (CERN)..... **Talk**  
Closing in on the Higgs Boson? - The Large Hadron Collider: Highlights and Prospects
- 10:45 Coffee
- 11:00 Jean-Côme Lanfranchi (TUM)..... **Talk**  
Results from the direct dark matter search with the CRESST II experiment
- 11:45 ..... **Discussion**
- 12:15 Lunch