



Lecture Course in the Integrated Research Training Group (IRTG)
of the SFB 676 “Particles, Strings and the Early Universe”

Summer Term 2013

Workshop Seminar “Particles, Strings and the Early Universe”

– The Planck Data: Implications for Cosmology and Particle Physics –

W. Buchmüller, T. Konstandin, J. Louis, A. Weiler, A. Westphal

Timeline:

- 9.4. Organisational Meeting
- 16.4. CMB basics and the Sachs-Wolfe effect
- 23.4. The impact of hydrogen recombination
- 30.4. From cosmology to peaks in the power spectrum
 - 7.5. Review of Planck data
- 14.5. Nielsen-Olesen Vortex
- 28.5. Generalizations: Monopoles and Domain Walls
 - 4.6. Skyrmions and composite Higgs
- 11.6. Cosmological constraints on topological defects
- 18.6. CMB beyond inflation
- 25.6. Cosmic strings and CMB
 - 2.7. D-Brane inflation
- 9.7. String inflation and Planck data

Date and Place:

Tue, 11:00 – 12:30, SR2/2a, DESY

Starting on:

09 April 2013
