



**Seminar in the Integrated Research Training Group (IRTG)  
of the SFB 676 "Particles, Strings and the Early Universe"**

Winter Term 14/15

## **Workshop Seminar Particle Physics and Cosmology with extra dimensions**

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

**Timeline:**

- 14.10. Organisational meeting
- 21.10. String Theory and its KK-Compactification
- 28.10. GUTs
- 04.11. Orbifolds & Orbifold GUTs
- 11.11. MSSM string models
- 18.11. Warped extra dimensions
- 25.11. GUTs and supersymmetry breaking
- 02.12. (intersecting) D-branes
- 09.12. Low string scale and large extra dimensions in string theory
- 16.12. Particle and astrophysical bounds on large extra dimensions
- 06.01. Inflation with extra dimensions I
- 13.01. Inflation with extra dimensions II
- 20.01. Big-Bounce cosmologies
- 27.01. String-gas cosmology

**Date and Place:**

Tue, 11:00 – 12:30, SR 2/2a, DESY

**Starting on:**

14 Oct 2013

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