



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

Winter Term 15/16

Workshop Seminar (Un-) Naturalness of the Electroweak Scale

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

Timeline:

- 13.10. Organisational meeting
- 20.10. UV-sensitivity of the electroweak scale
- 27.10. 't Hooft's technical naturalness
- 03.11. Wilsonian renormalization group I
- 10.11. —
- 17.11. Wilsonian renormalization group II
- 24.11. Natural supersymmetry at the electroweak scale
- 01.12. Unnatural high-scale/split supersymmetry and vacuum stability
- 08.12. UV models for soft supersymmetry breaking terms
- 15.12. Supersymmetry breaking at the GUT-scale
- 05.01. Technicolour
- 12.01. Composite Higgs
- 19.01. Randall-Sundrum scenario
- 26.01. Relaxion scenario

Date and Place:

Tue, 11:00 – 12:30, SR 2/2a, DESY

Starting on:

13 Oct 2014
