



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

Summer Term 2015

# Workshop Seminar “Particles, Strings and the Early Universe”

– Holography –

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

**Timeline:**

- 7.4. Organisational meeting
- 21.4. Black holes and Black hole entropy
- 28.4. The holographic principle
  - 5.5. The information paradox
- 12.5. Black hole entropy in String Theory
- 19.5. Introduction to AdS/CFT correspondence
  - 2.6. Holography in the AdS/CFT correspondence
- 9.6. Holographic inflation
- 16.6. Introduction to dS/CFT correspondence
- 23.6. Holography in the dS/CFT correspondence
- 30.6. Holographic Higgs

**Date and Place:** Tue, 11:00 – 12:30, SR2/2a, Campus Bahrenfeld

**Starting on:** 07 April 2015

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