



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

Summer Term 2014

WORKSHOP SEMINAR

Particles, Strings & the Early Universe

"Gravitational Waves as a Probe of the Early Universe"

W. Buchmüller, T. Konstandin, G. Sigl, A. Westphal

Timeline:

- 08.04. Organizational Meeting
- 15.04. Basics of Gravitational Waves
- 22.04. The Hulse-Taylor Binary Pulsar
- 29.04. Astrophysical Sources of GWs
- 06.05. Laser Interferometer GW Detectors
- 13.05. Milli-Second Pulsar Timing Arrays & Alternatives to detect GWs
- 20.05. Primordial GWs from Inflation
- 27.05. Primordial GWs from Cosmic Strings
- 03.06. Primordial GWs from Reheating & Phase Transitions
- 17.06. Detection of Primordial GWs in the CMB – 1
- 24.06. Detection of Primordial GWs in the CMB – 2
- 01.07. GWs & Models of Inflation
- 08.07. GWs & Alternatives to Inflation

Date and Place:

Tue, 11:00 – 12:30, SR 2a/2, DESY

Starting on:

08 April, 2014
