



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

Summer Term 2017

# Workshop Seminar GRAVITATIONAL WAVES: FROM ASTROPHYSICAL AND COSMOLOGICAL SOURCES TO DETECTION

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## Description:

- 1) April 25: Fundamentals of GW: Jacob Moritz
- 2) May 2: Quadrupole formula and Hulse Taylor pulsar: Thibaud Vantalon
- 3) May 9: Astrophysical sources of GW and milli-second pulsar timing arrays : Sebastian Bruggisser
- 4) May 16: Laser interferometers: Marco Hufnagel
- 5) May 23: GW from inflation : Ken'ichi Saikawa
- 6) May 30 : GW from Primordial Black holes: production mechanisms for PBHs : Christoph Krpoun
- 7) June 13: Tests of GR with GW: Ander Retolaza
- 8) June 20: GW from phase transitions : Glauber Dorsch
- 9) June 27: BH superradiance : Jonas Wittbrodt
- 10) July 4: GW from cosmic strings: Mafalda Dias
- 11) July 11: GW from reheating/preheating : Enrico Morgante

**Date and Place:** Tuesday, 11:00 – 12:30, SR 2, Building 2a

**Starting on:** 25 April 2017

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