Autumn Workshop 2019

25. – 27.09.2019
CvO University Oldenburg

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The lecture room in W16A is on the South-East end of the building on the ground floor.

Lecture room: W16A-004
Seminar room: W16A-010

The building W16A is located at the parking area at Campus Wechloy

By public transport
Please take the bus 306 (Universität) at the ZOB or Lappan to the bus stop Carl-von-Ossietzky-Straße. The bus leaves every 15 min during the day.

By car
Please park at the designated parking areas in front of the building.

By plane
The easiest accessible airport is located in Bremen (BRE). Other options are Hamburg (HAM) or Hannover (HAJ).

Participating Universities

Universität Bremen
Leibniz Universität Hannover
Universität Kassel
Universität Oldenburg

Participating Institutes

ZARM
DLR
 QUESTI

Funded by

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Wednesday, 25.09.2019

10:30 - 11:00 Welcome Coffee

11:00 - 13:00 Session One

11:00 - 12:00 Monika Moscibrodzka (Nijmegen, Netherlands)
“Seeing the unseeable: First results from the Event Horizon Telescope and the physical origin of the asymmetric ring”

12:00 - 13:00 Hector Olivares Sanchez (Nijmegen, Netherlands)
“Fitting models for the EHT2017 observations”

13:00 - 14:30 Lunch

14:30 - 16:00 Session Two

14:30 - 15:00 Matheus do Carmo Teodoro (Oldenburg, Germany)
“Tidal disruption clouds around boson stars”

15:00 - 16:00 Christian Pfeifer (Tartu, Estonia)
“Teleparallel Gravity: Formalism and Predictions”

16:00 - 16:30 Coffee and discussions

16:30 - 18:00 Session Three

16:30 - 17:30 Manuel Hohmann (Tartu, Estonia)
“Gauge-invariant approach to the parameterized post-Newtonian formalism and the post-Newtonian limit of teleparallel gravity”

17:30 - 18:00 Kai Flathmann (Oldenburg, Germany)
“Post-Newtonian limit of general scalar-torsion theories of gravity”

18:30 Dinner and Movie Night

Thursday, 26.09.2019

09:00 – 10:30 Session Four

09:00 - 10:00 Ivo Sachs (München, Germany)
“On non-perturbative tree-level unitarity in gravitational scattering”

10:00 – 10:30 Dennis Stock (Bremen, Germany)
“The Hawking Energy in Cosmology”

10:30 - 11:00 Coffee and discussions

11:00 – 12:00 Session Five

11:00 – 12:00 Ahmad Sheykhi (Shiraz, Iran / Oldenburg, Germany)
“Modified Friedmann Equations from Tsallis Entropy”

12:00 - 13:30 Lunch and Board Meeting

13:30 – 15:30 Session Six

13:30 – 14:30 Bettina Langfeldt (Kassel, Germany)
Lecture series “Gender and Diversity in Physics”
“Remaining gender disparities in the academic career of physicists – empirical findings and potential explanations”

14:30 – 15:30 Ute Kraus (Hildesheim, Germany)
“Visualization of Relativity”

15:30 - 16:00 Coffee and discussions

16:00 – 17:30 Session Seven

16:00 – 17:00 Bettina Hartmann (São Paulo, Brazil / Bilbao, Spain)
“Vortices/Strings with internal structure”

17:00 – 17:30 Michael Wondrak (Frankfurt, Germany)
“On Applying the Gauge/Gravity Duality to Physics far from Equilibrium”

18:00 Dinner at Ali Baba

Friday, 27.09.2019

09:00 – 10:30 Session Eight

09:00 - 10:00 Yves Brihaye (Mons, Belgium)
“Tachyon, Dp-branes and quasi-exact-solvability”

10:00 - 10:30 Ludovic Ducobu (Mons, Belgium)
“Hairy Black Holes & Boson Stars: From shift-symmetry to spontaneous scalarization”

10:30 - 11:00 Coffee and discussions

11:00 – 12:00 Session Nine

11:00 – 12:30 Sarah Kahlen (Oldenburg, Germany)
“How to relax the cosmological neutrino mass bound”

11:30 - 12:00 Journal Club: Zahra Altaha Motahar (Oldenburg, Germany)
“Introduction to multi-messenger astronomy”

12:00 - 13:30 Lunch