

Gravitational Wave kickoff meeting QUII

Friday, 29 May 2026 - Friday, 29 May 2026

Sternwarte

Scientific Programme

10:15 - 10:30: Welcome and introduction (Stephan Rosswog)

Overview GW1

10:30 - 10:40: Roman Schnabel "Quantum uncertainties in LIGO/Virgo and ET"

10:40 - 10:50: Leif Albers: "Quantum Calibration of the Photo Diodes"

10:50 - 11:00: Nils Sültmann: "Cryogenic Resonator for Testing Photon Radiation Pressure Cancellation"

11:00 - 11:20 Coffee break

11:20 - 11:50: Nils Leander Weickhardt, Meenakshi Mahesh, Jan-Niklas Feldhusen: "Reducing controls noise in ground-based GW detectors"

11:50 - 12:05: Krisztian Peters: "The SHOGWAVE project and prospects for HFGW searches"

12:05 - 12:15: Pragya Chopra/Dieter Horns "Quantum Universe Research School and Outreach"

Overview GW2

13:15 - 13:30: Introduction Guenter Sigl

13:30 - 13:45: Konrad Topolski: "Neutron star black hole mergers"

13:45 - 14:00: Danelise Franco: "Cosmic rays from neutron star mergers"

14:00 - 14:15: Lukas Schnabel: "Element formation and electromagnetic transients from fast neutron star merger ejecta"

14:15 - 14:30: Beka Modrekiladze: "AI Techniques for Gravitational Waves Physics"

Overview GW3

14:30 - 14:50: Introduction (Thomas Konstandin)

14:50 - 15:10: Simone Balsi: "Domain walls and catalyze phase transitions"

15:10 - 15:30: Marco Gorghetto: "Axions, cosmic strings and baryogenesis"

after 15:30: BBQ