

Session Program

Feb 12 - 16, 2024

Bottom-Up Cross-Cutting Workshop “JENAS Initiative: Gravitational Wave Probes of Fundamental Physics”

WG1: Matter under extreme conditions

Sapienza University of Rome, Physics Department - Aula Amaldi (Marconi Building)
Piazzale Aldo Moro, 5 · 06 49911 Rome (Italy)

Mon, February 12

3:45 PM

WG1: Matter under extreme conditions: Overview and contributed talks

Session |

Location: Sapienza University of Rome, Aula Cabibbo (Fermi Building), <https://maps.app.goo.gl/Nh2fQMCQFZx92hfv8>

3:45 – 4:15 PM **Overview by Conveners**

Speakers

Massimo Mannarelli, Violetta Sagun

4:15 – 4:40 PM **Properties of quark matter in extreme conditions**

Speaker

Massimo Mannarelli

4:40 – 5:05 PM

Constraints on Phase Transition in Neutron Stars in a Generalized Setup

Speaker

Jan-Erik Christian

5:05 – 5:30 PM

Turbulent magnetic field amplification in binary neutron star mergers

Speaker

Ricard Aguilera Miret

5:30 – 5:55 PM

A degeneracy between the effect of dark matter and strongly interacting matter at high densities

Speaker

Violetta Sagun

5:55 – 6:20 PM

Studying strong-interaction matter under extreme conditions with high-energy heavy-ion experiments

Speaker

Joachim Stroth

6:20 PM