

Session Program

Feb 12 - 16, 2024

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

WG2: Nuclear and atomic physics and their role in multi-messenger astronomy

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

Tue, February 13

10:45 AM

WG2: Nuclear and atomic physics and their role in multi-messenger astronomy: Overview and contributed talks

Session |

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

10:45 - 11:15 AM **Overview by Conveners**

Speakers

Jan Steinheimer-Froschauer, Joachim Stroth

11:15 - 11:40 AM

Nonequilibrium evolution of quarkonium inside the Quark Gluon Plasma

Speaker

Antonio Vairo

11:40 AM - 12:05 PM

Nuclear physics inputs for neutron stars and nucleosynthesis simulations

Speaker

Guilherme Grams

12:05 - 12:30 PM

NMMA: A nuclear-physics and multi-messenger astrophysics framework to analyze binary neutron star mergers

Speaker

Nina Kunert

12:30 - 12:55 PM

Decoding the phase structure of QCD via particle production at high energy

Speaker

Anton Andronic

1:00 PM