

RAON School Plus

Sunday, 20 August 2023 - Thursday, 24 August 2023

(Seminar Room 6)

Scientific Programme

Aug. 21

13:00-14:00 Registration

14:00-15:30 Yeunhwan Lim (Yonsei U.): Nuclear equation of state in the crust of neutron stars I

15:30-16:00 Break

16:00-17:30 Youngman Kim (IBS): Nuclear reaction theory I

Aug. 22

10:00-11:30 Yeunhwan Lim (Yonsei U.): Nuclear equation of state in the crust of neutron stars II

14:00-15:30 Substitute: Quantum many-body theory

15:30-16:00 Break

16:00-17:30 Youngman Kim (IBS): Nuclear reaction theory II

18:00-20:00 School dinner

Aug. 23

Chair: Jin-Hee Yoon (Inha U.)

09:30-10:20 Minh Loc Bui (CENS, IBS): Bound-to-continuum approach for nucleon radiative-capture reactions in stars

10:20-11:10 Yusuke Tanimura (SSU): How to visualize nuclear many-body correlations?

11:10-11:30 Break

11:30-12:10 MinJung Kweon (IU): Principles and applications of semiconductor detectors used in CENuM research

14:00-14:50 Kyungil Kim (IRIS, IBS): Projectile fragmentations for production of rare isotopes

14:50-15:40 Tsuyoshi Miyatsu (SSU): Equation of state for nuclear matter and neutron stars in relativistic frameworks

15:40-16:10 Break

16:10-16:50 Jongwon Hwang (CENS, IBS) : Experiments at low-energy beamlines: OEDO and KoBRA

16:50-17:30 Xesus Pereira-Lopez (CENS, IBS): Nuclear structure near the proton dripline

Aug. 24

Chair: Ik Jae Shin (IRIS, IBS)

10:00-10:50 Gilberto Ramahlo (SSU): Axial form factors of baryons in a nuclear medium

10:50-11:10 Break

11:10-11:50 Zeren Korkulu (CENS, IBS): Mass measurements of exotic nuclei and related detector development