

Session Program

28 mai 2020 à 6 novembre 2020

Master Project MAC

New-MAC Workshop

mer. 4 novembre

13:00

New-MAC Workshop: Finite temperature equation of state (impurities, crystallisation of the neutron-star crust)

Session | Site: | Convener: Anthea Francesca FANTINA

13:00 - 13:20 **Modelling impurities and pasta phases**

Orateur

Francesca Gulminelli

13:20 - 13:40 **Crystallisation of neutron-star crust**

Orateur

Anthea Francesca FANTINA

13:40 - 14:00 **Statistical treatment of nuclear clusters**

Orateur

Swagata Mallik Mallik

14:00 - 14:30 **Electron-capture rates**

Orateurs

Elias Khan, Anthea Francesca FANTINA

15:00 - 16:00 **ROUND TABLE**

16:00

jeu. 5 novembre

08:30

New-MAC Workshop: Low-density regime : Neutron-star crust physics and connection with nuclear observables (e.g. pairing, collective modes)

Session | Site: | Convener: Francesca Gulminelli

08:30 – 09:10 Energy-density functionals at low density

Orateurs

Marcella Grasso, Stefano Burrello

09:15 – 09:35 Mean-field models and neutron-rich systems

Orateur

Chiranjib Mondal

10:00 – 10:30 Transport in heavy-ion reactions

Orateur

Swagata Mallik Mallik

10:35 – 11:05

Constraints on the nuclear symmetry energy from asymmetric-matter calculations with chiral NN and 3N interactions

Orateur

Rahul Somasundaram

11:30

13:00

New-MAC Workshop: Supernova and neutron-star dynamics (proto-neutron star formation, cooling, accretion, neutrinos)

Session | Site: | Convener: Micaela Oertel

13:00 – 14:00 Partially accreted neutron-star crust

Orateur

Lami Suleiman

14:30 – 14:50 Neutrino reaction rates

Orateur

Micaela Oertel

14:50 – 15:10 Proto-neutron star modes and nuclear matter equation of state

Orateur

Jérôme Novak

15:10 – 15:30 TBA

Orateur

Aurélien Pascal

16:00

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08:30

New-MAC Workshop: High-density regime: Neutron-star core physics and connection with gravitational-waves observables (phase transitions, quarks, quarkyonic matter)Session | Site: | Convener: Jérôme
Margueron08:30 – 08:50 **PNJL model****Orateur**
Hubert Hansen08:50 – 09:10 **Quarkyonic matter****Orateur**
Jérôme Margueron09:10 – 09:30 **TBA****Orateur**
guy chanfray09:30 – 09:50 **TBA****Orateur**
Rahul Somasundaram09:50 – 10:10 **TBA****Orateur**
Hasim Guven10:10 – 10:30 **TBA****Orateur**
Dr Guilherme Grams10:30 – 10:50 **TBA****Orateur**
Chiranjib Mondal

11:30