

Session Program

19-20 Jun 2025

N-pact meeting 2025

Talks

Thursday 19 June

09:00

Talks

Session | **Convener:** Anders Kvellestad

09:00–09:30 **Compact Stars with the Quark-Meson Model**

Speaker

Carl Fredrik Andresen

09:30–10:00 **Color superconductivity and non-strange hybrid stars**

Speaker

Mathias Pavely Nødtvedt

10:00–10:30 **Dark pions at next-to-leading order**

Speaker

Daniil Krichevskiy

10:30

11:00

Talks

Session | **Convener:** Are Raklev

11:00–11:30

Curious case of the maximum energy distribution of cosmic-ray accelerators

Speaker

Domenik Ehlert

11:30–12:00 **Effective field theory dualities from the classical equations of motion**

Speaker

Tomas Brauner

12:00–12:30

PT2GWFinder: a Handy Tool for Cosmological Phase Transitions and Gravitational Waves

Speaker

Marco Finetti

12:30

13:30

Talks

Session | **Convener:** Tomas Brauner

13:30–14:00

Modeling Gravitational Waves via Post-Newtonian Expansion and Geometric Optics

Speaker

Kristine de Boer

14:00–14:30 **Update of gravitational waves**

Speaker

Alex Nielsen

14:30

Friday 20 June

09:00

Talks

Session | **Convener:** Alex Nielsen

09:00–09:30

Blazars as a potential source of very-high-energy astrophysical neutrinos

Speaker

Egor Podlesnyi

09:30–10:00

The SIMP and the vector meson

Speaker

Halvor Melkild

10:00–10:30

CFTs at large Charge Sector and Heavy Ion collisions

Speaker

Narcis Mestre

10:30

11:00

Talks

Session | **Convener:** Prof. Jens Oluf Andersen

11:00–11:30

Higgs mediated Neutralino pair production in the Next-to-Minimal Supersymmetric Standard model

Speaker

Sofiya Sianiuta

11:30–12:00

Interactions of accelerated dark matter with nuclei and implications for DUNE

Speaker

Helena Kolešová

12:00