

Program
of the 9th International Symposium on
'Non-equilibrium Dynamics' (NeD-2022)
Krabi, Thailand, 28 November – 2 December 2022

28 November, Monday

- 9:20 – 9:30 Marcus Bleicher *'Opening of the NeD-2022'*
9:30 – 10:10 Jana Guenther *'The Equation of State from Lattice QCD'*
10:10 – 10:50 Marcus Bleicher *'Cluster production by phase space coalescence in heavy ion collisions'*
- 10:50 - 11:10 *Coffee break*
- 11:10 – 11:50 Elena Bratkovskaya *'Properties of strongly interacting matter'*
11:50 – 12:30 Joerg Aichelin *'Microscopic description of cluster production'*
12:30 – 13:10 Christoph Blume *'Characterizing the bulk properties of dense baryonic matter'*
- 13:10 – 14:30 *Lunch*
- 17:00 - 17:30 *Coffee break*
17:30 – 18:10 Jan Steinheimer *'Different signals for a high density phase transition in UrQMD'*
18:10 – 18:50 Yasushi Nara *'Impact of momentum-dependent potential on directed and elliptic flows'*

29 November, Tuesday

- 9:30 – 10:10 Klaus Werner *'EPOS4: A Monte Carlo tool for simulating high-energy scatterings'*
10:10 – 10:50 Pol-Bernald Gossiaux *'A new dynamical microscopic model for quarkonia production in Relativistic HIC'*
- 10:50 - 11:10 *Coffee break*
- 11:10 – 11:50 Raimond Snellings *'Flow; Quo Vadis?'*
11:50 – 12:30 Che-Ming Ko *'Kinetic approach to light nuclei production in HIC'*
- 13:00 – 14:30 *Lunch*
- 17:00 - 17:30 *Coffee break*
17:30 – 18:10 Tom Reichert *'Deciphering flow at SIS energies: A look through the keyhole'*
18:10 – 18:50 Ivan Kisel *'From particle trajectories to QGP with Artificial Neural Networks'*

30 November, Wednesday

9:30 – 12:30 Topical Discussion Session

13:00 – 14:30 Lunch

17:30 – 18:50 Discussion Session

1 December, Thursday

9:30 – 10:10 Fernando Navarra *'Meson Dynamics in Hot Hadron Gas'*

10:10 – 10:50 Philipp Gubler *'Phi meson properties in nuclear matter in a transport approach'*

10:50 - 11:10 Coffee break

11:10 – 11:50 Thomas Boller *'AGN feeding at Super-Eddington rates and AGN ionized wind feedback from the gravitational - up to the kpc-scale: Recent results from eROSITA'*

11:50 – 12:50 Lukas Varnhorst *'Real time evolution of scalar fields in semiclassical gravity'*

13:00 – 14:30 Lunch

17:00 - 17:30 Coffee break

17:30 – 18:10 Pengcheng Li *'Effects of a phase transition on two-pion interferometry in heavy-ion collisions at $s_{NN}^{1/2} = 2.4 - 7.7$ GeV'*

18:10 – 18:50 Yu-Peng Yan *'Interpretation of $N(1440)$, $N(1520)$ and $N(1535)$ '*

2 December, Friday

9:30 – 10:10 Christian Spieles *'Frisco3 - A three-fluid model with continuous freeze-out for intermediate energy heavy-ion collisions'*

10:10 – 10:50 Giorgio Torrieri *'Dissipative relativistic hydrodynamics as a gauge theory'*

10:50 - 11:10 Coffee break

11:10 – 11:50 Nihal Buyukcizmeci *'Recent progress on nuclei and hypernuclei formation theory at high energies'*

11:50 – 12:30 Christoph Herold *'Enhanced pion-to-proton ratio at a dynamical QCD phase transition'*

13:00 – 14:30 Lunch

17:00 - 17:30 Coffee break

17:30 – 18:50 Discussion Session