



# 60th Karpacz Winter School on Theoretical Physics & WE-Heraeus Physics School

## Saturday 18 May 2024

### Short Presentations (18:00 - 19:15)

time	[id] title	presenter
18:00	[39] Non-Hermitian control of Hermitian waveguide arrays	RIZOS, Spyros
18:15	[40] Violation of Bell Inequalities on Quantum Computers	ŚLIWIŃSKI, Michał
18:30	[41] Vacuum stresses and energy fluxes induced by a cosmic string in de Sitter spacetime	KOTANJYAN, Vardazar
18:45	[42] The footprint of nuclear saturation properties on the neutron star f mode oscillation frequencies: a machine learning approach	Dr KUMAR, Deepak
19:00	[43] Spectral properties of non-Abelian gauge theories both in and out-of-thermal equilibrium	SHANKER, Ravi

# Sunday 19 May 2024

## Short Presentations (18:00 - 19:15)

time	[id] title	presenter
18:00	[44] Probing the onset of deconfinement: Hadron production properties in the NA61/SHINE experiment at CERN SPS	ZHEREBTSOVA, Elizaveta
18:15	[45] Probing the shape of QGP droplet using high-pT tomography	Dr KARMAKAR, Bithika
18:30	[46] Heavy quark momentum broadening in a non-Abelian plasma off-equilibrium	PANDEY, Harshit
18:45	[47] General predictions of neutron star properties using unified relativistic mean-field equations of state	SCURTO, Luigi
19:00	[51] Effect of color superconductivity on QCD phase diagram	SHUKLA, Udit

# Thursday 23 May 2024

## Short Presentations (16:15 - 22:35)

time	[id] title	presenter
16:15	[49] Nuclear pastas in neutron stars	SHCHECHILIN, Nikolai
16:30	[50] The cooling processes and distribution of mass in neutron stars	DAS, Harish Chandra
16:45	[53] Simulations of massive star explosions driven by a first-order QCD phase transition Neutrino signal and gravitational wave mode analysis	Ms KHOSRAVI LARGANI, Noshad
17:00	[52] Hybrid star phenomenology from the properties of the special point	GÄRTLEIN, Christoph
17:15	[70] Superfluid fraction in the inner crust of neutron stars	ALMIRANTE, Giorgio
17:30	[48] Inclusion of bosonic dark matter in neutron star to satisfy the observable features induced by nuclear matter models	RAFIEI KARKEVANDI, Davood