



# Young scientists' workshop and 58. Karpacz Winter School of Theoretical Physics "Heavy Ion Collision: From First to Last Scattering"

## Monday 20 June 2022

### Student talks (10:50-11:50)

**-Conveners: Mahboubeh ShahrbaF**

time	[id] title	presenter
10:50	[1] Higher order cumulants and factorization breaking in heavy ion collision	SAMANTA, Rupam
11:05	[2] Relativistic perfect-fluid spin hydrodynamics based on GLW pseudogauge	Mr. SINGH, Rajeev
11:20	[3] Relativistic fluid dynamics of multiple conserved charges	Mr. FOTAKIS, Jan
11:35	[4] First-order stable and causal hydrodynamics from kinetic theory	Mr. BISWAS, Rajesh

### Student talks (16:30-17:30)

**-Conveners: Jan Fotakis**

time	[id] title	presenter
16:30	[5] Equivalence of canonical and phenomenological formulations of spin hydrodynamics	ASAAD, Daher
16:45	[6] Angular Momentum in Heavy-Ion Collisions via the Hadronic Transport Approach SMASH	SAB, Nils
17:00	[8] QGP tomography with ebe-DREENA framework	ZIGIC, Dusan
17:15	[9] Anisotropy of the QGP droplet explored through high-pt data	STOJKU, Stefan

## Tuesday 21 June 2022

### Student talks (10:50-11:50)

**-Conveners: Giuseppe Lucente**

time	[id] title	presenter
10:50	[11] Neutron stars with crossover to superconducting quark matter	HANU, Elena-Oana
11:05	[13] Constraining the critical temperature for color superconductivity in heavy-ion collisions from neutron star phenomenology	SHUKLA, Udit
11:20	[12] Antiproton production analysis at NICA energies	UDREA, Iuliana-Carina
11:35	[16] Equation of state of strongly interacting matter for hydrodynamical simulations of heavy-ion collisions	VITIUK, Oleksandr

## Friday 24 June 2022

### **Student talks (12:05-13:05)**

**-Conveners: Udit Shukla**

time	[id] title	presenter
12:05	[17] Scalar glueball scattering	TROTTI, Enrico
12:20	[14] Collective modes of gluons in an anisotropic thermo-magnetic medium	KARMAKAR, Bithika
12:35	[18] General-purpose EoS with hadron-quark crossover for simulations of heavy-ion collisions and neutron stars	LIEBING, Simon
12:50	[19] Strange and charm quark production in hot QCD	MYKHAYLOVA, Valeriya