Frontiers in Nuclear and Hadronic Physics 2020

Feb. 24th-28th

Registration: 9:00-10:30 at the GGI secretariat

	Monday 24	Tuesday 25	Wednesday 26	Thursday 27	Friday 28
9:00 - 11:00	Registration + free time	Blaizot 2	Aarts 3	Aarts 4	Blaizot 4
11:00 - 11:15	Welcome Address	Coffee break	Coffee break	Coffee break	Coffee break
11:15 - 13:15	Blaizot 1	Aarts 2	Blaizot 3	Student Seminars Session 1	Student Seminars Session 2
13:15 - 15:00	Lunch	Lunch	Lunch	Lunch	Lunch
15:00 - 17:00	Aarts 1	Tutor	Tutor	Venugopalan 1	Venugopalan 2

Blaizot Introduction to ultra-relativistic collisions and Hard Probes of the Hot QCD matter

Aarts QCD phase diagram and thermodynamics

Venugopalan Universal dynamics in high energy QCD: classicalization, scrambling and thermalization

March 2nd-6th

	Monday 2	Tuesday 3	Wednesday 4	Thursday 5	Friday 6
9:00 - 10:30	Free time	Free time	Free time	Free time	
10:30 - 12:30	Florkowski 1	Florkowski 2	Florkowski 3	Florkowski 4	
12:30 - 14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 16:00	Venugopalan 3	Venugopalan 4	Student Seminars Session 3	Student Seminars Session 4	
16:00 - 16:15	Coffee break	Coffee break	Coffee break	Coffee break	
16:15 - 18:15	Reddy 1	Reddy 2	Reddy 3	Reddy 4	

Venugopalan Universal dynamics in high energy QCD: classicalization, scrambling and thermalization

Florkowski Relativistic hydrodynamics for nuclear collisions and recent advances

Dense matter inside neutron stars and its implications for multi-messenger astrophysics

Student Seminars

Session 1 - Thursday, February 27th, 11:15 - 13:15

11:15 - 11:35	Stefan Stojku Shape of the quark gluon plasma droplet reflected in the high pt data
11:35 - 11:55	Mohsen Haddadi Moghaddam Accelerating longitudinal expansion of resistive relativistic-magneto-hydrodynamic in heavy ion collisions
11:55 - 12:15	Junhong Liu Diffusion of heavy quarks in the early stage of high energy nuclear collisions at RHIC and LHC
12:15 - 12:35	Rajeev Singh Spin Hydrodynamics for the description of polarization of Lambda hyperons
12:35 - 12:55	Michal Barej Wounded quarks in heavy-ion collisions

Session 2 - Friday, February 28th, 11:15 - 13:15

11:15 - 11:35	Olga Soloveva Transport properties of the QGP within the Dynamical Quasi-Particle Model
11:35 - 11:55	Farid Salazar Wong Dijet production in electron-proton (electron-nucleus) collisions from high energy correlators of light-like Wilson lines.
11:55 - 12:15	Bojana Ilic Generalization of high-pT particle's energy loss to a finite value of radiated energy
12:15 - 12:35	Lucia Oliva The influence of the electromagnetic fields in relativistic proton-nucleus collisions
12:35 - 12:55	Maria Lucia Sambataro Quark charm scattering process in Quark-Gluon Plasma medium: extension to off-shell dynamics

Session 3 - Wednesday, March 4th, 14:00 - 16:00

14:00 - 14:20	Shahriyar Jafarzade Phenomenology of the Spin-3 Tensor Mesons
14:20 - 14:40	Mario Motta On the phase structure and equation of state of strongly-interacting matter
14:40 - 15:00	Joaquin Grefa QCD Phase Diagram From Holographic Black Holes
15:00 - 15:20	Isabela Maietto Silvério Femtoscopy of the D meson and nucleon interaction
15:20 - 15:40	Blessed Arthur Ngwenya Fluctuating Open Heavy Flavour Energy Loss in a Strongly Coupled Plasma with Observables from RHIC and the LHC
15:40 - 16:00	Giuseppe Galesi Statistical Hadronization of Quark-Gluon Plasma in a kinetic approach to Ultrarelativistic Heavy Ion Collision

Session 4 - Thursday, March 5th, 14:00 - 15:20

14:00 - 14:20	George Prokhorov Acceleration in Relativistic Hydrodynamics
14:20 - 14:40	Glòria Montaña Thermal modification of heavy mesons below Tc from an effective hadronic theory
14:40 - 15:00	Caio Vaz Pereira De Brito Stability of Israel-Stewart theory in the presence of net-charge diffusion
15:00 - 15:20	Gabriel Soares Rocha On the convergence of the hydrodynamic series from the Boltzmann equation in the relaxation time approximation

15:20 - 16:00 Seminar

Matteo Buzzegoli, University of Florence

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