



# Balaton Workshop 2019

## Monday, June 17, 2019

### Session 1: Heavy-Ion Theory (3:30 PM - 5:00 PM)

-Conveners: Gergely Gábor Barnaföldi

time	[id] title	presenter
3:30 PM	[24] Some aspects of gravitation: from thermodynamics to Eötvös balance	VÁN, Péter
4:00 PM	[13] Large $v_2$ with small cross section	Prof. MOLNÁR, Dénes
4:30 PM	[17] Suppression of anisotropic flow without viscosity	TAKACS, Adam

### Session 1: Heavy-Ion Theory (5:20 PM - 6:30 PM)

-Conveners: Gergely Gábor Barnaföldi

time	[id] title	presenter
5:20 PM	[29] Model Jet-quenchng in HIJING++	Prof. PAPP, Gabor
5:50 PM	[1] Precision Dijet Acoplanarity and Jet Anisotropy Probes of the Color Structure of Perfect QCD Fluids Produced at RHIC and LHC	Prof. GYULASSY, Miklos

# Tuesday, June 18, 2019

## Session 1: Heavy-Ion Experiment (9:00 AM - 10:30 AM)

-Conveners: Tamas Biro

time	[id] title	presenter
9:00 AM	[7] Flavor-dependent fragmentation via jet structures and correlations in high-multiplicity pp collisions	VERTESI, Robert
9:30 AM	[27] Correlation of heavy and light flavours in simulations	FRAJNA, Eszter
10:00 AM	[22] Recent Lévy femtoscopy results from SPS, RHIC and LHC	CSANÁD, Máté

## Session 1: Heavy-Ion Experiment (10:50 AM - 12:20 PM)

-Conveners: Tamas Biro

time	[id] title	presenter
10:50 AM	[18] Two-particle angular correlations in Pb-Pb collisions from ALICE	KOFARAGO, Monika
11:20 AM	[10] Study of angular correlations in Monte Carlo simulations	SZIGETI, Balázs Endre
11:50 AM	[12] Proton CT – Development of a medical imaging tool	SUDAR, Akos

# Wednesday, June 19, 2019

## Session 1: Neutron Stars & Nuclear Fields (9:00 AM - 10:30 AM)

-Conveners: Gabor Papp

time	[id] title	presenter
9:00 AM	[19] How the bulk properties of nuclear matter influence neutron star observables?	POSFAY, Peter
9:30 AM	[30] Bound states in quantum field theory: a renormalization group study	JAKOVÁČ, Antal
10:00 AM	[16] Strange quark star properties from the vector meson extended linear sigma model	KOVACS, Peter

## Session 1: Neutron Stars & Nuclear Fields (10:50 AM - 12:00 PM)

-Conveners: Gabor Papp

time	[id] title	presenter
10:50 AM	[26] Charmonium $(\bar{c}c)$ mass in hadron-nucleus reactions, how the in-medium gluon condensate can be measured	WOLF, Gyorgy
11:20 AM	[21] Gravitational Waves signal Strange Quark Matter in Binary Neutron Star Mergers	STOECKER, Horst

# Thursday, June 20, 2019

## Session 1: Strongly Correlated Systems (9:00 AM - 10:30 AM)

-Conveners: Dénes Molnár

time	[id] title	presenter
9:00 AM	[20] The application of spin formalism to dilepton production in pion-nucleon scattering	Dr ZHANG, Baiyang
9:30 AM	[3] Entropic Divergence Based Study of Hadronization and Preference	BIRO, Tamas Prof. SCHRAM, Zsolt
10:00 AM	[9] Laser driven rapid, volume ignition	CSERNAI, Laszlo P.

## Session 1: Strongly Correlated Systems (10:50 AM - 12:20 PM)

-Conveners: Dénes Molnár

time	[id] title	presenter
10:50 AM	[23] Analysis of Monte-Carlo propagator data with deep neural networks	BERENYI, Daniel
11:20 AM	[6] On efforts to improve dynamics of a classical particle in an external EM field	FORMANEK, Martin
11:50 AM	[5] QED vacuum structure in constant extreme EM fields	Mr EVANS, Stefan