

PRELIMINARY PROGRAMME of BGL 2017

as of August 20, 2017, 10:00

Sunday, August 20

Recommended cultural programme in Gyöngyös, Fő tér, Open Air Concert Desk, August 20 St. Steven's Day

- 17:00 **Vidróczky** Folk Dance Ensemble, folkdance programme
- 18:00 **For You** Acapella Vocal Group, concert
- 19:30 **Mystery Gang**, concert
- 21:00 **Fireworks** with music before the St. Bertalan (Main) Church

Section r1, 18:00 – 21:00, registration starts, Lobby of Károly Róbert Hostel, 3200 Gyöngyös, Bene út 69

- 18:00 **Registration** opens
- 19:00 **Pizza and Wine** for registered participants

Monday, August 21st

Section a1, 09:00 – 10:30

- 09:00 **Kálmán Liptai**: Greetings by the Rector of the Eszterházy Károly University (5 min)
- 09:05 **Tamás Csörgő**: Recent results from the TOTEM experiment at LHC (25+5 min)
- 09:35 **István Szanyi**: Proton–proton scattering at the LHC (20+5 min)
- 10:00 **Olívér Surányi**: Exclusive particle production in pp and pPb collisions at CMS (25+5 min)

Section a2, 11:00 – 12:30

- 11:00 **Máté Csanád**: Femtoscopy with Levy geometry in the PHENIX experiment at RHIC (25+5 min)
- 11:30 **Sándor Lökös**: Centrality dependent Levy femtoscopy in PHENIX (25+5 min)
- 12:00 **Tamás Novák**: Three particle femtoscopy, HBT correlations in PHENIX (25+5 min)

Section a3, 14:00 – 15:30

- 14:00 **Victor Roy**: Effect of intense magnetic fields on reduced–MHD evolution (25+5 min)
- 14:30 **Gábor Kasza**: New rotating exact solutions of multi–component fireball hydrodynamics (25+5 min)
- 15:00 **Bálint Kurgyis**: Perturbative solutions of relativistic hydrodynamics (25+5 min)

Section a4, 16:00 – 17:30

- 16:00 **Ferenc Siklér**: Femtoscopy with identified hadrons in pp, pPb, and PbPb collisions in CMS (25+5 min)
- 16:30 **Márton Nagy**: Coulomb effect in Fourier space for two–particle Bose–Einstein correlations (25+5 min)
- 17:00 **András Ster**: Model independent analysis of data with nearly Gaussian or Levy shape (25+5 min)

Section a5, 18:00 – 19:30, Welcome Dinner, Restaurant of Károly Róbert Campus, Eszterházy Károly University

Section a6, 20:30 – 22:00, Experidance folk–musical performance – cultural programme in the city of Gyöngyös

Tuesday, August 22nd

Section b1, 09:00 – 10:30

- 09:00 **Boris Arbuzov**: Fundamental cosmological problems in the quantum theory of gravity (25+5 min)
- 09:30 **Alexander Biryukov**: Stochastic processes in space of quantum random joint events (25+5 min)
- 10:00 **Vasyl Fedorchuk**: On classification of some nonsingular manifolds in the space $M(1,3) \times R(u)$ (25+5 min)

Section b2, 11:00 – 12:20

- 11:00 **Mátyás Vasúth**: Gravitational waves and source parameters (25+5 min)
- 11:30 **Bence Racskó**: Lightlike shockwaves in scalar–tensor theories (25+5 min)
- 12:00 **Márton Tápai**: Investigating different precessing gravitational waveforms (15+5 min)

Section b3, 14:00 – 15:30

- 14:00 **László Árpád Gergely**: Precessing black hole binaries and their gravitational radiation (25+5 min)
- 14:30 **Emma Kun**: Jet characteristics of gravitational wave sources (25+5 min)
- 15:00 **Cecília Nagy**: Hamiltonian dynamics of doubly–foliable space–times (25+5 min)

Section b4, 16:00 – 17:30

- 16:00 **Jo van den Brand**: From 2nd generation GW detectors towards Einstein Telescope (25+5 min)
- 16:30 **Péter Ván**: Activity of Mátra Gravitational and Geophysical Laboratory (25+5 min)
- 17:00 **László Ábel Somlai**: Long term seismic measurements in the Mátra mountain range (25+5 min)