

WPCF 2019 – XIV Workshop on Particle Correlations and Femtoscopy

dedicated to 100th anniversary of M.Podgoretsky's birth

Dubna (Russia), June 2 – 7, 2019

We are pleased to announce the upcoming XIV Workshop on Particle Correlations and Femtoscopy, WPCF 2019, dedicated to 100th anniversary of M.Podgoretsky's birth. The workshop will be held in Dubna (Russia) on June 2 – 7, 2019 and organized by Joint Institute for Nuclear Research.

Scientific information and topics

This event follows the tradition of previous editions by bringing together experts and other interested researchers in the field of particle-particle correlations and “femtoscopy” in nuclear and particle physics. The topics covered by the WPCF workshop concern dynamical and thermo-dynamical properties of emitting sources produced in heavy-ion collisions, including links to phase transitions and equation of state properties. Moreover, two- and multi-particle correlation measurements provide tools to reveal the existence of new resonances (both at high and at low energies) and phenomena such as nuclear clusters and molecules and spectroscopic properties of unbound states.

The scope of the meeting will include correlation and femtoscopy research at RHIC/LHC energies and at low and intermediate energies as well.

Topics:

- Femtoscopy at RHIC and LHC: links to QGP physics
- Femtoscopy in A+A, p+p, p+A and e+e- collisions at relativistic energies
- Femtoscopy at intermediate energies: links to the EoS
- Correlations and femtoscopy at NICA complex
- Charge fluctuations, correlations and balance functions
- Fluctuation in initial conditions
- Collective flow and correlations
- Resonances at RHIC and LHC
- Resonances at low and intermediate energies
- Electromagnetic effects in heavy-ion collisions
- Searches for the critical point
- Chiral magnetic effects and vorticity
- New methods and facilities

These topics will be covered with invited and contributed talks, selected from received abstracts. Participation and abstract submission by students and postdocs are strongly encouraged. More details on the program will be provided on the second circular and on the conference web site, <http://theor.jinr.ru/~wpcf2019/>

Workshop site and venue to Dubna

Dubna is a small scientific town, 120 km north of Moscow, on the bank of the Volga river. There is a direct (about two hours) train and bus connection to Moscow.

Dubna is a host of Joint Institute for Nuclear Research, an international research organization involving more than 20 countries (see <http://www.jinr.ru/>). The institute activity embraces theoretical, high-energy, nuclear and condensed matter physics.

Transportation and accommodation details will be provided on the second circular and on the conference website. Accommodation in Dubna will be organized in the hotel "Dubna hotel" (single rooms - 50 Euros per night including breakfast). Hotel reservation will be done by the organizing committee according to the requests of participants.

Organizing committees

International Advisory Committee (IAC): M. Bleicher (Frankfurt, Germany), W. Broniowski (IFJ PAN & UJK, Poland), P. Christakoglou (NIKHEF, Netherlands), T. Csorgo (Budapest, Hungary), P. Danielewicz (MSU, USA), I. Dremin (Moscow, Russia), W. Florkowski (IFJ PAN and UJK, Poland), Y. Hama (USP, Sao Paulo, Brazil), T. Hirano (Tokyo, Japan), K. Homma (Hiroshima, Japan), T. Humanic (OSU, USA), A. Kisiel (WUT, Poland & JINR), M. Kucharczyk (IFJ PAN, Poland), R.A. Lacey (Stony Brook, USA), R. Lednicky (JINR), M.A. Lisa (OSU, USA), D. Miskowiec (GSI, Germany), S. S. Padula (UNESP, Brazil), J. Pluta (WUT-Krakow, Poland), S. Pratt (MSU, USA), Yu. Sinyukov (BTPI-NAS, Ukraine), R. Snellings (Utrecht Univ., Netherlands), M. Sumner (ASCR, Czech Rep.), G. Verde (INFN-Catania Italy), W.A. Zajc (Columbia Univ., USA)

Chair: R. Lednicky (JINR, Dubna)

Local Committee: D. Kazakov (JINR), V. Kekelidze (JINR), A. Kisiel (JINR & WUT, Poland), E. Kolganova (JINR), D. Peshekhonov (JINR), A. Sorin (JINR)

Registration and abstract submission

Registration and abstract submission are available online at the WPCF webpage. The registration fee of 350 Euros will cover conference materials, coffee breaks, lunches, Welcome refreshment, Conference dinner, social program, transportation from Sheremetjevo airport to Dubna and back, proceedings conference hall and presentation equipment. The fee will be reduced to 150 Euros for students by application.

Important dates:

-March 31, 2019: Deadline for registration and abstract submission

Contacts and information

More information about the WPCF-2019 can be found on the following web site: <http://theor.jinr.ru/~wpcf2019/>

For further questions and information request please contact the organizing committee by email at wpcf2019@theor.jinr.ru

We look forward to meeting you in Dubna!