Tuesday

Session: Nuclei at High Energies
09:00 - 10:00 Leonid Frankfurt (Tel Aviv): "High Energy Hard Processes for Studying SRCs in Nuclear Physics"
10:00 - 11:00 Larry Weinstein (ODU): "Introduction: Using Electron Nucleus Scattering to Resolve SRCs"
11:00 - 11:30 Coffee Break
11:30 - 12:15 Claudio Ciofi degli Atti (Perugia) „In Medium Short-Range NN Dynamics: Ab initio many-body calculations versus experimental data: where do we stand?“
12:15 - 12:45 Eli Piasezky (Tel Aviv) "Recent Experimental Progress in SRC Studies"
12:45 - 14:00 Lunch

Session: Short Range Structure of Nuclei
14:00 - 15:00 Jan Ryckebusch (Ghent) "Stylized Features of Nuclear Momentum Distributions and the Quest for SRCs through the Mass Table"
15:00 - 15:30 Ulrich Mosel (Giessen) "Fundamentals of SRC in Spectral Functions"
15:30 - 16:00 Coffee Break
16:00 - 16:30 Hans Feldmeier (GSI) "Short Range Central and Tensor Correlations in Nuclei"
16:30 - 17:00 Nadia Fomin (UTK) "SRCs in x>1 Inclusive Processes"
17:00 - 17:30 Misak Sargsian (FIU) "New Results in Short Range Correlation Studies"
17:30 – Discussions
18:00 – 20:00 Welcome Reception
**Wednesday**

**Session: Non-Nucleonic Degrees in Nuclei**
- **09:00 - 10:00**  
  Mark Strikman (PSU)  
  "Non-nucleonic degrees of freedom – evidence and constraints"  
- **10:00 - 10:30**  
  Or Hen (MIT)  
  "SRC and EMC effects"
- **10:30 - 11:00**  
  Coffee Break
- **11:00 - 11:30**  
  John Arrington (Argonne)  
  "Experimental Studies of EMC Effects"  
- **11:30 - 12:00**  
  Shalev Gilad (MIT)  
  "Medium Modification in Tagged Processes"  
- **12:00 - 12:30**  
  Werner Boeglin (FIU)  
  "Probing the Deuteron Structure at Short Distances"  
- **12:30 - 14:00**  
  Lunch

**Session: Tagged Processes and Hadron Propagation**
- **14:00 - 14:30**  
  Christian Weiss (Jlab)  
  "Spectator Tagging and Short-Range Correlations with an Electron-Ion Collider"
- **14:30 - 15:00**  
  Dipangkar Dutta (MsState)  
  "Hadron Propagation in Nuclear Medium"
- **15:00 - 15:30**  
  Raphael Dupre (Orsay)  
  "Hadronization Studies"
- **15:30 - 16:00**  
  Coffee Break

**Session: SRCs and Hadronic Processes**
- **16:00 - 16:30**  
  Massimiliano Alvioli (Perugia)  
  "Short Range Correlation Signatures in Nucleon Momentum Distributions"
- **16:30 - 17:00**  
  Alexey Larionov (Frankfurt)  
  "Hard semiexclusive A(p,pp) process at the beam momenta of several GeV/c"
- **17:00 - 17:30**  
  Albrecht Gillitzer (Juelich)  
  "Antiproton - nucleus scattering at PANDA"
- **17:30 -**  
  Discussions on SRCs, EMC and Hadronization effects in electro and hadro production reactions
Thursday:

Session: Hadronic Interaction and Nuclear Matter
09:00 - 10:00 Wolfram Weise (ECT*)
"Chiral Dynamics and Nuclear Matter"
10:00 - 10:30 Achim Schwenk (TU Darmstadt)
"Nuclear Forces and their Impact on Neutron-rich Matter",
10:30 - 11:00 Coffee Break
11:00 - 11:30 Joachim Stroth (GSI)
"HADES: Latest Physics Highlights"
11:30 - 12:00 Stefanos Paschalis (TU Darmstadt)
"Experiments with Radioactive Beams"
12:00 - 12:30 Marek Karliner (Tel Aviv)
"Pentaquarks, Doubly Heavy Exotic Mesons and Baryons and How to Look for Them"
12:30 - 14:00 Lunch

Session: Nuclear Matter and neutron stars
14:00 - 15:00 Sanjay Reddy (Seattle)
"Dense Matter in Neutron Stars: New insights from theory and observations"
15:00 - 15:30 Armen Sedrakian (Frankfurt)
"Cooling Processes in Neutron Stars"
15:30 - 16:00 Coffee break
16:00 - 16:30 Arnau Rios (Surrey)
"Density and isospin asymmetry dependence of short range correlations"
16:30 - 17:00 Bao-An Li (Texas A&M University-Commerce)
"SRC effects on nuclear symmetry energy"
17:00 - 17:30 Yukinori Sakuragi (Osaka City University)
"High-density nuclear matter probed by nucleus-nucleus scattering - its implication to neutron star mass problem ."
17:30 - Discussion SRCs and Nuclear Matter/Neutron Stars
18:00 – 20:00 Conference Dinner
EMMI Workshop
Cold dense nuclear matter:
from short-range nuclear correlations to neutron stars
October 13-16, 2015, Lecture Hall (KBW) GSI Darmstadt

Friday

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**Session:** Multi-Nucleon SRCs  
09:00 - 09:30 Arianna Carbone (Tu-Darmstadt)  
"Self-Consistent Green's Function with 3N Forces"  
09:30 - 10:00 Donal Day (UVA)  
"Correlations in Few-Body Systems"  
10:00 - 10:30 Igor Korover (Tel Aviv)  
"Correlations in 4He"  
10:30 - 11:00 Coffee Break

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**Session:** New Ideas and Directions  
11:00 - 11:30 Cynthia Keppel (JLab)  
"Tagging DIS processes at 12 GeV JLab"  
11:30 - 12:00 Shunzo Kumano (KEK)  
"Physics of J-PARC"  
12:00 - 12:30 Horst Stoecker (Frankfurt)  
"Quark-free, initial 'pure glue' Yang-Mills phase in pbar-p/A, p-p/A: PaNDA@FAiR, NICA, J-PARC and BES at RHic"  
12:30 - 14:00 Lunch  
14:00 - 14:30 Wim Cosyn (Ghent)  
"Final Sate Interactions in DIS"  
14:30 - 14:50 Erez Cohen(Tel Aviv)  
"SRCs from Data Mining"  
14:50 - 15:10 Meytal Duer(Tel Aviv)  
"SRCs from Data Mining"  
15:10 - 15:40 Coffee Break

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**Session:** SRC Studies at GSI  
15:40 - 16:00 Mark Strikman  
16:00 - 17:00 Or Hen/ Eli Piasetzky  
17:00 Further presentations & open discussion