

Nuclear Forces & Structure, NN Correlations, and Medium Effects: Parallel Schedule

Parallel 1 May 29: Neutron-rich matter and the EOS

1. 20': **[165]** *Laboratory probes of the neutron-matter equation of state*
Betty Tsang, MSU
2. 20': **[71]** *Overview of Experimental Data on the Neutron-Matter Equation of State and Neutron Skins of $^{48}\text{Ca}/^{208}\text{Pb}$*
Seamus Riordan, ANL
3. 20': **[231]** *Neutron skins and neutron star properties*
Farrooh Fattoyev, Indiana
4. 20': **[166]** *Nuclear matter equation of state from chiral effective field theory*
Christian Drischler, UC Berkeley
5. 20': **[115]** *Constraining ab initio models and the nuclear force with rare isotopes*
Ritu Kanungo, TRIUMF

Parallel 4 May 30: Color transparency, EMC effect, and Coulomb sum rule

1. 30': **[215]** *Understanding the EMC effect through tagged processes with ALERT*
Whitney Armstrong, ANL
2. 30': **[323]** *Update of the Jefferson Lab Hall A tritium experiments*
Axel Schmidt, MIT
3. 25': **[183]** *New measurements of the EMC effect in Hall C at Jefferson Lab*
Eric Pooser, Jefferson Lab
4. 25': **[113]** *The search for the onset of color transparency*
Dipankar Dutta, Mississippi State
5. 25': **[134]** *The search for the color transparency in Hall C at Jefferson Lab*
Holly Szumila-Vance, Jefferson Lab

Parallel 5 May 31: Short-range Correlations

1. 25': **[190]** *New studies of the EMC effect and short-range correlations*
Or Hen, MIT
2. 25': **[213]** *Isospin dependence of the EMC effect and nucleon short-range correlations*
Barak Schmookler, MIT
3. 25': **[100]** *Short range correlations*
Zhihong Ye, ANL
4. 25': **[182]** *New results on three-nucleon short range correlations*
Misak Sargsian, Florida International U

Parallel 6 May 31: Nucleon/Nuclear Structure and Fundamental Symmetries

1. 30': **[186]** *The nucleon axial coupling from quantum chromodynamics*
Jason Chang, LBL
2. 30': **[263]** *The nucleon axial form factor from quantum chromodynamics*
Rajan Gupta, LANL
3. 20': **[121]** *Neutrinoless double beta decay in chiral effective field theory*
Vincenzo Cirigliano, LANL
4. 20': **[114]** *Current status of neutrinoless double-beta decay matrix elements*
Javier Menendez, U Tokyo

5. 20': **[76]** *Overview of nuclear beta decay tests of fundamental symmetries*
Alejandro Garcia, U Washington
6. 20': **[63]** *Multi-wire 3D gas tracker for searching new physics in nuclear beta decay*
Dagmara Rozpedzik, Jagiellonian U

Parallel 7 June 1: The QCD-Nuclear Structure Interface (NFS/QCDHS)

1. 30': **[194]** *NN bound states and scattering from LQCD*
Silas Beane, U Washington
2. 30': **[316]** *HOBET: The SM as an effective theory and its direct matching to LQCD* Ken
McElvain, UC Berkeley
3. 20': **[296]** *Effective field theory extrapolations of lattice QCD predictions for light nuclei*
Johannes Kirscher, CCNY
4. 20': **[72]** *New developments in lattice effective field theory*
Dean Lee, MSU

Parallel 8 June 1: Ab initio Forces, Models, and Nuclei at Weak Binding

1. 30': **[92]** *Current status of nuclear forces from chiral EFT*
Evgeny Epelbaum, Ruhr U Bochum
2. 30': **[342]** *Microscopic shell model interactions and effective operators*
Scott Bogner, MSU
3. 20': **[106]** *Experimental tests of ab initio calculations of nuclear structure*
Alan Wousmaa, U Connecticut
4. 20': **[341]** *Current status of very-large-basis Hamiltonian diagonalizations for nuclear
physics*
Calvin Johnson, SDSU
5. 20': **[317]** *Prospects for ab-initio calculations of nuclei with quantum computing*
Eugene Dumitrescu, ORNL
6. 20': **[278]** *Weakly bound neutron-rich nuclei and cosmic phenomena*
Ushase Datta, Saha Institute