

14th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2022)

Wednesday, August 31, 2022

NN: Nuclear Forces and Structure, NN Correlations, and Medium Effects: NN-1 - Camelia/Dogwood (1:00 PM - 3:00 PM)

-Conveners: Stefano Gandolfi

time	[id] title	presenter
1:00 PM	[M99] Chiral effective field theory for low-energy nuclear physics	EPELBAUM, Evgeny
1:30 PM	[M27] Discussion	
1:40 PM	[M96] Analyzing the Nuclear Interaction: Challenges and New Opportunities	PIARULLI, Maria Prof. PIARULLI, Maria
2:00 PM	[M26] Discussion	
2:05 PM	[M94] Studying the interactions between hyperons and nucleons from Lattice QCD	ILLA, Marc
2:25 PM	[M25] Discussion	

NN: Nuclear Forces and Structure, NN Correlations, and Medium Effects: NN-2 - Camelia/Dogwood (3:30 PM - 5:30 PM)

-Conveners: Evgeny Epelbaum

time	[id] title	presenter
3:30 PM	[M97] A Status Update on Ab-Initio Calculations in Nuclear Physics	HERGERT, Heiko
4:00 PM	[M28] Discussion	
4:10 PM	[M17] Recent Quantum Monte Carlo calculations of properties of nuclei and nuclear matter	GANDOLFI, Stefano
4:30 PM	[M31] Discussion	
4:35 PM	[M98] Implications of PREX for the Determination of the Nuclear Equation of State	PIEKAREWICZ, Jorge
4:55 PM	[M30] Discussion	
5:00 PM	[M99] One-neutron knockout reactions off halo nuclei and heavier neutron-rich projectiles as a probe for the neutron skin	HEBBORN, Chloë
5:20 PM	[M29] Discussion	

Thursday, September 1, 2022

NN: Nuclear Forces and Structure, NN Correlations, and Medium Effects: NN-4 - Camelia/Dogwood (1:00 PM - 3:00 PM)

-Conveners: Renee Fatemi

time	[id] title	presenter
1:00 PM	[M04] Don't stand so close to me - a story of short-range nuclear repulsion	Prof. FOMIN, Nadia FOMIN, Nadia
1:25 PM	[M22] Discussion	
1:35 PM	[M65] JLab 12 GeV measurements of the EMC effect in light nuclei	ARRINGTON, John
2:00 PM	[M24] Discussion	
2:10 PM	[M79] Understanding the EMC effect with tagged DIS measurements	HAUENSTEIN, Florian
2:35 PM	[M23] Discussion	

Friday, September 2, 2022

NN: Nuclear Forces and Structure, NN Correlations, and Medium Effects: NN-4 - Camelia/Dogwood (10:30 AM - 12:30 PM)

-Conveners: Douglas Higinbotham; Alessandra Lucà

time	[id] title	presenter
10:30	A11 [11] From Quarks to Nuclei: Insights From the Search for Squeezed Hadrons at Jefferson Lab	DUTTA, Dipangkar
11:00	A18 [18] Discussion	
11:10	A12 [12] Final-State Interactions in Nuclear Breakup Measurements From JLab to EIC	Dr COSYN, Wim
11:30	A20 [20] Discussion	
11:35	A13 [13] In-Medium Branching Processes, Their Features, And Applications to the EIC	Dr VITEV, Ivan
11:55	A19 [19] Discussion	
12:00	P9 [9] Parton densities in nuclei at the EIC	ZURITA, Maria Pia
12:20	P21 [21] Discussion	

Saturday, September 3, 2022

NN: Nuclear Forces and Structure, NN Correlations, and Medium Effects: NN-5 - Camelia/Dogwood (1:00 PM - 3:00 PM)

-Conveners: Alexandra Gade

time	[id] title	presenter
1:00 PM	[M00] DMRG description of the island of inversion isotopes 28-33F	FOSSEZ, Kevin
1:20 PM	[M12] Discussion	
1:25 PM	[M01] CARIBU radioactive beams: past, present and future challenges	CARPENTER, Mike
1:45 PM	[M13] Discussion	
1:50 PM	[M02] ARUNA in the RIB era: Advancing Science, Educating Scientists, Delivering for Society	Prof. WIEDENHOEVER , Ingo
2:10 PM	[M14] Discussion	
2:15 PM	[M03] How the study of the continuum structure of light nuclei led to the discovery of 7 new isotopes, resolution of the inelastic deexcitation of the Hoyle state, and insight into action decomposition in (dual) barrier penetration	SOBOTKA, Lee
2:35 PM	[M15] Discussion	

NN: Nuclear Forces and Structure, NN Correlations, and Medium Effects: NN-6 - Camelia/Dogwood (3:30 PM - 5:30 PM)

-Conveners: Kevin Fosse

time	[id] title	presenter
3:30 PM	[M94] The Search of $0\nu\beta\beta$ and the LEGEND Experiment	XU, Wenqin
4:00 PM	[M17] Discussion	
4:10 PM	[M95] Neutrino Scattering at the COHERENT experiment	SCHOLBERG, Kate SCHOLBERG, Kate
4:30 PM	[M16] Discussion	
4:35 PM	[M12] Suppression of quasielastic electron scattering cross sections at small q and extraction of the Coulomb Sum Rule	BODEK, Arie
4:55 PM	[M42] Discussion	