SFB 1245 Annual Workshop

DFG Deutsche Forschungsgemeinschaft

Monday, November 11, 2024			
10:00-10:30	Coffee and check-in		
10:30-10:45	Welcome	Achim Schwenk	10+5
10:45-11:30	Status and prospects of nuCARIBU and N=126 facilities at ANL	Peter Müller	35+10
11:30-11:50	The new laser spectroscopy beamline at N=126	Julian Palmes	15+5
12:00-14:00	Lunch and discussion		
14:00-14:45	Laser spectrosopy of rare istopes and molecules	Ronald Garcia Ruiz	35+10
14:45-15:15	Quasifree scattering at the RIBF	Alexandra Ștefănescu	20+10
15:15-16:00	Coffee break		
16:00-16:45	Universality of nn distributions and the unitary limit	Matthias Göbel	35+10
16:45-17:05	Two-neutron distribution in the triton from pionless EFT	Tanja Kirchner	15+5
17:05-17:25	MGK report	Wilfried Nörtershäuser	20
17:25-18:25	Meeting of junior researchers	Finia Jost	60
19:00	Dinner		
Tuesday, November 12, 2024			
9:00-9:45	Muonic atom spectroscopy of light isotopes	Randolf Pohl	35+10
9:45-10:05	Laser spectroscopy of 13,14C4+	Kristian König	15+5
10:05-10:25	Precision NCSM calculations of radii for boron isotopes	Tobias Gesser	15+5
10:25-11:00	Coffee break		
11:00-11:45	Ab initio calculations of deformed nuclei	Thomas Papenbrock	35+10
11:45-12:15	Constraining the incompressibility from the monopole strength	Andrea Porro	20+10
12:15-12:35	Recent developments in the in-medium NCSM	Cedric Wenz	15+5
12:35-14:00	Lunch and discussion		
14:00-14:30	Developments with HIME	Meytal Duer	20+10
14:30-15:00	Exclusive 2p removal from neutron-rich nuclei and LH2 target development	Christina Xanthopoulou	20+10
15:00-15:20	Finite-source effects in short-distance production of neutrons	Daniel Kromm	15+5
15:20-16:00	Coffee break		
16:00-16:20	Temperature-dependent relative self absorption	Kiriaki Prifti (zoom)	20
16:20-16:40	Gender equality and family friendliness	Tanja Kirchner and	20
		Christina Xanthopoulou	
16:40-17:40	General assembly	Achim Schwenk	60
19:00	Dinner		
Wednesday, November 13, 2024			
9:00-9:45	Precision mass measurements	Klaus Blaum	35+10
9:45-10:30	Recent advances in ab initio calculations of nuclei	Alexander Tichai	35+10
10:30-11:00	Coffee break		
11:00-11:45	Nucleosynthesis and neutron star mergers	Kelsey Lund	35+10
11:45-12:05	Neutrino-driven core-collapse supernova yields in galactic chemical evolution	Finia Jost	15+5
12:05-12:25	Peculiar chemical abundances in stars	Annika Schichtel	15+5
12:30-14:00	Lunch and discussion		
14:00-14:30	SFB Outreach: Overview and current status of the school project	Lea Herbst	20+10
14:30-15:00	Impact of nuclear matter properties on nucleosynthesis and kilonova	Giacomo Ricigliano	20+10
15:00-15:30	Nuclear equation of state developments	Yannick Dietz	20+10
15:30-16:00	Coffee break		
16:00-16:30	Progress in coupled-cluster theory for open shell nuclei	Francesco Marino	20+10
16:30-16:50	Dipole polarizability in 58Ni	Isabelle Brandherm	15+5
16:50-17:10	Total photoabsorption on Sn and Ca isotopes	Martin Baumann	15+5
17:10-17:40	Machine learning for dipole polarizability	Weiguang Jiang	20+10
19:00	Dinner		
Thursday, November 14, 2024			
9:00-9:45	Nuclear physics for BSM searches	Martin Hoferichter	35+10
9:45-10:30	Collective neutrino flavor oscillations in dense astrophysical environments	Zewei Xiong	35+10
10:30-11:00	Coffee break		
11:00-11:30	New NICER constraints for the dense matter equation of state	Melissa Mendes	20+10
11:30-12:00	Astrophysical implications of 205Tl bound-state beta decay	Thomas Neff	20+10
12:00-12:20	180-degree electron scattering off 10B close to the photon point	Max Rech	15+5
12:20-12:40	M1/E1 strength ratio and total branching from NRF	Amrita Gupta	15+5
12:40-14:00	Lunch and discussion		
14:00-15:30	Discussions in smaller groups		90
15:30-16:00	Coffee break		
	Departure		