SFB 1245 Annual Workshop

Tuesday October 4, 2022			
08:35	Welcome and goals	Achim Schwenk	10+00
08:45	*Invited talk*	Sanjay Reddy	30+15
09:30	Overview and perspectives: equation of state and nucleosynthesis programs	Almudena Arcones	20+10
10:00	^{205}Tl, the pp solar neutrino flux and the ^{205}Pb/^{205}Tl s-process chronometry (B01)	Riccardo Mancino	20+10
10:30	Coffee break		30+00
11:00	Supernovae simulations including nucleosynthesis network and nuclear energy generation (B06)	Gerard Navo	20+10
11:30	Towards supernova simulations with six species neutrino transport (B06)	Ignacio López de Arbina	20+10
12:00	Effects of nuclear matter properties in neutron star mergers (B07)	Maximilian Jacobi	20+10
12:30	Lunch break		90+00
14:00	Quark matter in neutron star mergers (B07)	Sebastian Blacker	20+10
14:30	*Invited talk*	Xavier Roca Maza	30+15
15:15	Overview and perspectives on programs at the S-DALINAC	Norbert Pietralla	20+10
15:45	Coffee break		30+00
16:15	$^{12}C^{4+}$ spectroscopy with COALA (A01)	Philipp Imgram	20+10
16:45	The temperature-dependent relative self-absorption method (A01)	Pavlos Koseoglou	10+05
17:00	Preparation of the sLHe experiment (A01)	Igor Jurosevic	10+05
17:15	180° (e,e') experiments (B02)	Maximilian Spall	20+10

Wednesday October 5, 2022			
8:45	Electroweak processes from first principles	Sonia Bacca	30+15
9:30	Status of photoabsorption experiments at NEPTUN (B04)	Martin Baumann	20+10
10:00	Low-energy dipole response of ^{8}He (B04)	Francesca Bonaiti	20+10
10:30	Coffee break		30+00
11:00	*Invited talk*	Takaharu Otsuka	30+15
11:45	E1 strength measurements (B04)	Isabelle Brandherm	20+10
12:15	E2 key properties in stable Sn isotopes (B02)	Maike Beuschlein	10+05
12:30	M1 key properties in N=50 isotones (B01)	Amrita Gupta	10+05
12:45	Lunch break		90+00
14:15	Constraining neutron-star matter with microscopic and macroscopic collisions (B01)	Sabrina Huth	20+10
14:45	MGK Report	Verena Spatz	20+10
15:15	Gender equality and family friendliness report	Jens Braun	10+05
15:30	Coffee break		30+00
16:00	General Assembly	All SFB members	60+00
17:00	Free discussion		60+00

	Thursday October 6, 2022		
8:45	*Invited talk*	Javier Menéndez	30+15
9:30	Overview and perspectives: ab initio and EFT programs	Robert Roth	20+10
10:00	Heavy-mass frontier in nuclear ab initio calculations (A04)	Takayuki Miyagi	20+10
10:30	Coffee break		30+00
11:00	Energy distribution of 3n systems (A02)	Sebastian Dietz	20+10
11:30	Nuclear equation of state for arbitrary proton fraction and temperature (B05)	Jonas Keller	20+10
12:00	Towards the equation of state of neutron stars (B05)	Andreas Geissel	20+10
12:30	Lunch break		90+00
14:00	*Invited talk*	Ulf-G. Meißner	30+15
14:45	From chiral interactions to NCSM observables (A02)	Tobias Wolfgruber	20+10
15:15	First results from the Gamow-NCSM (A02)	Julius Müller	20+10
15:45	Coffee break		30+00
16:15	*Invited talk*	Christian Forssén	30+15
17:00	Overview and perspectives: rare isotope programs	Alexandre Obertelli	20+10
17:30	Free system of 4 correlated neutrons (A06)	Meytal Duer	20+10

	Friday October 7, 2022		
8:45	*Invited talk*	Kathrin Wimmer	30+15
9:30	ANL results (A03)	Laura Renth	20+10
10:00	Charge radii measurements at NSCL (A03)	Kristian König	20+10
10:30	Coffee break		30+00
11:00	Lifetime of ^{26}O (A06)	Sonia Storck	20+10
11:30	One-nucleon removal reaction mechanism at intermediate energies (A03)	Thomas Pohl	20+10
12:00	Structure of ^{52}Ca and development of STRASSE (A08)	Madalina Enciu	20+10
12:30	Lunch break		90+00
14:00	Status on the nn scattering experiments (A05)	Marco Knösel	20+10
14:30	Halo decays and breakup in halo-EFT (A05)	Wael Elkamhawy	20+10
15:00	Coffee break		30+00
15:30	PI meeting	All PIs	60+00
16:30	Discussions on third period (topical groups)	All PIs	60+00
17:30	**End of workshop**		