



JINA-CEE Frontiers in Nuclear Astrophysics 2018 (May 21 - 25)

Junior Researcher Workshop

Monday, May 21		Tuesday, May 22	
8:00 - 8:45	Registration & Coffee	8:00 - 9:00	Registration & Coffee
8:45	Opening Remarks		
	Session 1 Chair: Nicole Vassh		Session 3 Chair: Erika Holmbeck
9:00	Overview: Astro Theory (Ilka Petermann)	9:00	Shilun Jin: The Preliminary Results for Cross Section Measurements of the $^{75}\text{Ga}(\alpha, \text{Xn})$ Reaction with HABANERO
9:30	Xilu Wang: How Not to Miss a Galactic Type Ia Supernova: Gamma Rays Sound the Alarm and Probe Nucleosynthesis	9:15	Craig Reingold: Investigating the Statistical Properties of Rare Earth Elements
9:45	Zac Johnston: Neutron Star Parameter Estimation Using Large Grids of Multizone X-Ray Burst Models	9:30	Overview: Observation (Anirudh Chiti)
10:00	Overview: Experiment (Mallory Smith)	10:00	Rana Ezzeddine: Non-LTE Atmospheric Stellar Parameters and Alpha-Element Abundances of the 20 Most Iron-Poor Stars
10:30 - 11:00	Coffee Break	10:15	Devin Whitten: Photometric Stellar Parameter Determination with SPHINX
	Session 2 Chair: Alicia Palmisano	10:30 - 11:00	Coffee Break
11:00	Rekam Giri: Measurement of the $^{12}\text{C} + \alpha$ Capture Cross Section at $E_{\text{c.m.}} = 3.7, 4.0, \text{ and } 4.2 \text{ MeV}$		Session 4 Chair: Adam Jacobs
11:15	Adrian Valverde: Penning trap mass measurement of ^{56}Cu and the redirection of the rp-process flow	11:00	Overview: Nuclear Theory (Matthew Caplan)
11:30	Dwaipayan Ray: The CPT Mass Spectrometer at ANL	11:30	Terri Poxon-Pearson: CHEX: First Steps Towards a State of the Art Charge-Exchange Reaction Code
11:45	Panagiotis Gastis: A New Experimental Technique for Measuring (p,n) Reactions Relevant to the Neutrino-p Process in the ReA3 Facility	11:45	Cathleen Fry: Nova Network Calculations with Shell Model Proton Capture Rates on A=34 Nuclei
12:00 - 14:00	Lunch & Ice Breakers	12:00 - 14:00	Lunch & "Town Hall"
14:00	Scientific Writing: Mark Caprio	14:00	Grant Writing: Intro to Proposal Development Sarah Nerenberg & Yvonne Chang
15:00	Non-Academic Career Panel: Raman Pfaff & Qian Li	15:00	Academic Career Panel: Anna Frebel, Zachary Meisel, Matthew Redshaw & Anna Simon
16:00 - 16:30	Coffee Break	16:00 - 16:30	Coffee Break
16:30	Speaking Skills: Vinicius Placco	16:30	Publishing in AAS Journals (as an author) Frank Timmes
17:30	End of Workshop Day 1	17:30	End of Workshop Day 2
18:00	Dinner - Outreach Workshop: Micha Kilburn (off-site, Taphouse on the Edge, self-pay)		