

Nuclei in the Cosmos (NIC XVII)

Thursday, September 21, 2023

Nuclear properties for astrophysics (3:45 PM - 5:55 PM)

time	[id] title	presenter
3:45 PM	[187] Experiments related to Neutron-Rich Nuclei in r-Process Nucleosynthesis	NISHIMURA, Shunji
4:15 PM	[146] Experimental study on astrophysically important ^{22}Mg nucleus via resonant scattering of $^{18}\text{Ne} + \alpha$	CHA, Soomi
4:30 PM	[172] New half-lives and beta-delayed neutron branchings for neutron-rich Ba to Nd nuclei ($A \sim 160$) relevant for the formation of the r-process rare-earth peak	PALLÀS SOLÍS, Max
4:45 PM	[37] Astrophysical Reactions Important in r- and vp- processes Measured Using (d,p) Transfer Reactions at OEDO-SHARAQ	CHILLERY, Thomas
5:00 PM	[33] Bound-state beta-decay of Thallium-205 to constrain s-process predictions for the early Solar System	LECKENBY, Guy

Friday, September 22, 2023

Nuclear properties for astrophysics (1:30 PM - 3:20 PM)

time	[id] title	presenter
1:30 PM	[216] Constraining the key reaction rates using indirect methods	Prof. ROGACHEV, G.V.
2:00 PM	[158] Novel Studies of Nucleosynthesis in the Lab	CHIPPS, Kelly
2:30 PM	[136] Impact of the Hoyle state in ^{12}C on hypernova neutrino-p process and Galactic chemical evolution	KAJINO, Taka
2:45 PM	[156] Study of two missing states of ^{19}Ne affecting the $^{18}\text{F}(\text{p}, \alpha)^{15}\text{O}$ reaction rate in classical novae	KIM, D.
3:00 PM	[178] Nuclear Physics of Accreting Neutron Stars	(RAHUL JAIN), Hendrik Schatz