



# Nuclei in the Cosmos (NIC XVII)

## Monday, September 18, 2023

### Nuclear reaction rates and stellar abundances (4:15 PM - 6:00 PM)

time	[id] title	presenter
4:15 PM	[206] Neutron-capture reactions and heavy element nucleosynthesis	ARTEMIS, Spyrou
4:45 PM	[202] The status and future of nuclear property experiments at CENS	Dr AHN, Sunghoon(Tony)
5:15 PM	[139] Realistic fission transmission coefficients in the statistical Hauser-Feshbach compound-nucleus reaction theory	Dr KAWANO, Toshihiko
5:30 PM	[52] Experimentally determined $^{56}\text{Ni}(n,p)$ cross section and its impacts on $\nu$ -p process	LEE, Hye Young
5:45 PM	[54] Measuring the $^{15}\text{O}(\alpha,\gamma)^{19}\text{Ne}$ Reaction Rate in Type I X-ray Bursts using $^{20}\text{Mg}$ $\beta$ -decay	WHEELER, Tyler

# Tuesday, September 19, 2023

## Nuclear reaction rates and stellar abundances (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[141] Neutrino process for $^{10}\text{Be}$ with updated relevant nuclear reactions	CHEOUN, Myung-Ki
9:30 AM	[74] Experimental Study of the $^{30}\text{Si}(p, \gamma)^{31}\text{P}$ for understanding elemental anomalies in Globular Clusters	DE SÉRÉVILLE, Nicolas
9:45 AM	[94] Isotopic ratios from (sub)millimetre observations of AGB stars	DANILOVICH, Taïssa
10:00 AM	[131] Nucleosynthesis in the tellurium-xenon region	DELLMANN, Sophia Florence
10:15 AM	[134] The Impact of 1D and 3D NLTE Effects on neutron-capture elements	STORM, Nicholas