



# The 16th International Symposium on Origin of Matter and Evolution of Galaxies

## Thursday 27 October 2022

### Thursday - Session 1: Explosive Stellar Objects and Nuclear Physics : Explosive Hydrogen Burning I (08:30-10:20)

-Conveners: Hidetoshi Yamaguchi

time	[id] title	presenter
08:30	[76] Nuclear Physics of Accreting Neutron Stars	Prof. SCHATZ, Hendrik
09:00	[61] Regulated NiCu Cycles with the New $^{57}\text{Cu}(p,\gamma)^{58}\text{Zn}$ Reaction Rate and the Influence on Type-I X-Ray Bursts: GS-1826-\$24 Clocked Burster	Dr LU, Ning
09:20	[26] Experimental study of resonances in $^{22}\text{Mg}$ through the $^{18}\text{Ne}(\alpha,\alpha)^{18}\text{Ne}$ measurement	CHA, Soomi
09:40	[60] The Impact of the New $^{65}\text{As}(p,\gamma)^{66}\text{Se}$ Reaction Rate on the Two-Proton Sequential Capture of $^{64}\text{Ge}$ , Weak GeAs Cycles, and Type-I X-Ray Bursts such as the Clocked Burster GS-1826-\$24	LIU, Zi-Xin
10:00	[3] Exploring the astrophysical energy range of the $^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ reaction: A new recommended reaction rate	LA COGNATA, marco