



# The African Nuclear Physics Conference 2023 (ANPC2023)

## Friday 01 December 2023

### Session 9: Nuclear Astrophysics (14:00-16:05)

time	[id] title	presenter
14:00	[328] Understanding Stellar Explosions with Nuclear Physics	DEIBEL, Catherine
14:25	[335] The Universe in the Laboratory	LANGANKE, Karlheinz
14:50	[268] Measurement of the $^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ fusion reaction at astrophysical energies via the Trojan Horse Method.	LA COGNATA, Marco
15:05	[314] $^{39}\text{Ca}$ and its relevance in nuclear astrophysics	BINDA, Sifundo
15:20	[269] On the need of new measurements to understand neutron capture nucleosynthesis	PALMERINI, Sara
15:35	[297] The PANDORA Project: Investigating Photonuclear Reactions in Light Nuclei.	BEKKER, Jacob
15:50	[334] The K600 magnetic spectrometer and the CAKE silicon detector array: measurements relevant to type-I X-ray bursts	BRUMMER, Johann Wiggert