



**AANSS2024****Monday 04 November 2024****Posters - AINSE Theatre (16:15-20:15)**

[id] title	presenter	board
[8] High-throughput characterisation of salt-induced aggregation and re-entry of silica nanoparticles	DUNLOP, Geran	
[7] Grafting siloxane-containing methacrylates from surfaces	DI PIETRO, Zac	
[3] The Martensitic Transformation in In-Tl Alloys Revisited	Dr FINLAYSON, Trevor	
[2] Modelling the magnetic exchange interactions relative to inelastic neutron scattering results in the quantum antiferromagnet atacamite	RULE, Kirrily	
[57] Recent developments on Echidna	Dr HESTER, James	
[52] Small-Angle Neutron Scattering Analysis of a Novel Microemulsion-Based Electrolyte	SALISU, Aliyu	
[51] Pydingo, a new GUI software package for simple CT reconstruction	GARBE, Ulf	
[50] Methods to calculate the corresponding neutron scattering length density from spin-polarised density functional theory	Mrs SHABBIR, Syeda Amina Dr DAVID, Cortie	
[49] Study Multiferroic/Magnetoelectric Materials using Inelastic Neutron Scattering Technique	DENG, Guochu	
[45] Polarised Neutron Scattering Capabilities at ACNS	MANNING, Andrew	
[43] Upgrades to the Kowari Strain Scanner	Dr REID, Mark	
[13] 18 years of Wombat – the high intensity diffractometer at OPAL	MAYNARD-CASELY, Helen	
[14] A semiempirical Hartree-Fock and an analytical tight-binding approach to solid-state calculations for inelastic neutron scattering	STAMPFL, Anton	
[22] Mechanisms of molecular dynamics in anomalous thermal expansion of NaSICON-type ceramics	CLARK, Kaylee	
[21] Modelling diffuse magnetic scattering in a “partial spin-liquid” kagomé compound	LING, Chris	
[23] Small and ultra small angle neutron scattering is useful for porosity analysis in fossil coral reef core	WILLIAMS, Carra	
[29] Revising Magnetic Features in a New 2D vdW Ferromagnet: Fe <sub>3</sub> GaTe <sub>2</sub>	Dr YOU, Mengyun (Molly)	
[30] Determining the micellar composition of sulfobetaine surfactants through small-angle neutron scattering and molecular dynamics simulations	Ms KHANDIKA, Ramya Narayan	
[31] Emu, the high-resolution neutron spectrometer: Its successes and challenges	KLAPPROTH, Alice	
[34] Pelican focussing guide project	MOLE, Richard	
[35] Thermal-Neutron Triple-axis Spectrometer Taipan and Its Future Upgrade at ANSTO	DENG, Guochu	
[36] Optimizing Lipid Cubosomes for Alzheimer's Drug Delivery: Impact of Lipid Composition and Stabilizers	GUARNERI, Lucrezia	

<b>[40] Characterising the SEI of lithium-mediated electrochemical nitrogen reduction via in operando X-Ray Radiography</b>	EZRA, Laela	
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