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Type : Poster

Taipan – a versatile thermal neutron scattering instrument for materials research.

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Located on the OPAL reactor face, Taipan is the highest flux, thermal neutron scattering instrument at ANSTO. Originally, Taipan was built as a traditional triple-axis spectrometer for inelastic neutron scattering studies with energy transfers up to 70meV. Since its inclusion in the ANSTO user program in 2010, Taipan has undergone a number of upgrades and improvements, including new shielding, new primary optics and the installation of a Cu-monochromator extending energy transfers up to 200meV. An additional secondary spectrometer, the Be-filter analyser, was also developed and integrated in 2015, offering a new way to measure excitations and vibrations in polycrystalline materials.

This poster will present some recent highlights at Taipan – both as a TAS, and a Be-filter analyser spectrometer.

Level of Expertise

Expert

Presenter Gender

Woman

Pronouns

She/Her

Which facility did you use for your research

Australian Centre for Neutron Scattering

Students Only - Are you interested in AINSE student funding

Do you wish to take part in the Student Poster Slam

Condition of submission

Yes

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