

Developments on the Platypus Neutron Reflectometer

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PLATYPUS is the initial neutron reflectometer at the Australian Centre for Neutron Scattering with the capability to study surface and interface systems ranging from biomolecules, soft matter through to magnetic thin films [1-3]. There have been a number of significant improvements to both the instrument and data reduction and treatment software [4] over the last two years. On the hardware front the original detector has been replaced yielding higher count-rate capabilities, greater detection efficiency at shorter wavelengths and significantly lower background. The slits which define the neutron beam have been replaced with upgraded positioning mechanisms enabling greater flexibility in experimental setup. These changes have significantly enhanced the instrument performance with improved reproducibility. This presentation will highlight the enhancements and recent publications.

Speakers Gender

Male

Level of Expertise

Expert

Do you wish to take part in the poster slam

No

Primary author(s) : NELSON, Andrew (ANSTO); LE BRUN, Anton (ANSTO); Dr HUANG, Tzu-Yen; PAULL, Oliver; HOLT, Stephen (Australian Nuclear Science and Technology Organisation)

Presenter(s) : HOLT, Stephen (Australian Nuclear Science and Technology Organisation)

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