

Scientific Highlights from Quokka, the 40m Pinhole Small Angle Neutron Scattering Instrument

Monday, 2 December 2019 18:29 (1 minute)

Quokka is the 40m pinhole Small Angle Neutron Scattering instrument (SANS) located at the OPAL research reactor at ANSTO, serving the needs of both domestic and international users [1]. Calibrated absolute scattering intensity measurements in a standard setup may be made over a range of wavelengths between $4 \times 10^{-3} \text{ \AA}^{-1}$ and $0.7 \text{ \AA}^{-1}$.

Outputs from Quokka have been published in diverse fields such as magnetism, metallurgy, mineralogy, structural biology, polymers, food science and soft matter. We present here a selection of recent scientific highlights.

[1] K. Wood, J. P. Mata, C. J. Garvey, C. M. Wu, ... and E. P. Gilbert, J Appl Crystallogr, 2018, 51, 294-314.

Level of Expertise

Experienced Researcher

Do you wish to take part in the poster slam

No

Travel Funding

No

Speakers Gender

Female

Primary authors: WOOD, Kathleen (Australian Nuclear Science and Technology Organisation); GARVEY, Chris (ANSTO); MATA, Jitendra (ANSTO); Dr WAKEHAM, Deborah (ANSTO); WU, Chun-Ming (NSRRC); GILBERT, Elliot (ANSTO)

Presenter: WOOD, Kathleen (Australian Nuclear Science and Technology Organisation)

Session Classification: Welcome Function