

Investigation of some operational properties of the new-style ISIS TS-1 target

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During 2021–2022, a new style of multi-plate tantalum-clad tungsten spallation-neutron-producing target was installed in Target Station 1 of the ISIS Spallation Neutron and Muon Source. It is therefore of relevance for investigations to be made into the thermal and structural performance of the irradiated target. Some challenges of deducing target performance parameters from measurements that in practice have to be made remotely are described.

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