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Measuring Residual Strain after Hot Isostatic Pressing of ISIS Target Plates

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A novel method was used to measure residual stress in tantalum-clad tungsten after manufacture via Hot Isostatic Pressing. A significant tensile tress was measured in the cladding, as predicted by FEA simulations. This will be an important consideration in the design of future spallation targets.

Primary author: Mr WILCOX, Dan (RAL)

Presenter: Mr WILCOX, Dan (RAL)

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