

Practical experience of running the ISIS proton accelerator spallation source

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The ISIS neutron and muon source is based on a high intensity proton accelerator and has run for over 30 years producing world-leading science. However, keeping such an accelerator running sustainably and at >90% availability to the user community is challenging, particularly considering that some accelerator components significantly predate the present machine. This talk will cover aspects of accelerator performance, fault finding and maintenance regimes, the ISIS sustainability programme and thoughts about facility upgrades.

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