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Accelerator Stewardship with Nb₃Sn at JLab

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Jefferson Lab is funded by a grant from the DOE Accelerator Stewardship to demonstrate operation of an SRF cavity with a cryocooler to an accelerating gradient compatible with an electron energy gain of 1 MeV for possible use in an accelerator for environmental remediation. This presentation describes the current plan and initial test results on a 952 MHz single-cell cavity coated with Nb₃Sn

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