

Development of the FACET Cryostat

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A “proof of concept” prototype cryostat ~~has been developed~~ to demonstrate the ability to accommodate low temperature science investigations within the constraints of the Hitchhiker siderail carrier on the Space Shuttle. The Fast Alternative Cryogenic Experiment Testbed (FACET) hybrid Solid Neon - Superfluid Helium cryostat has been designed to accommodate instruments of 16.5 cm diameter and 30 cm length. **This paper will describe the design requirements, the implementation experiences and the test results.**

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