

Cryogenic Instrument Science Development

The Glasgow Cryogenic Interferometer Facility (GCIF) is one of the prototype facilities working in the ET Collaboration to develop technology, demonstrate integration and prove the concepts and validate the technology readiness of critical elements for the cryogenic Einstein Telescope LF detector.

We report here on the progress of the instrument science program of the GCIF, including the suspended payload design, crystalline material science, laser stabilisation, interferometer control scheme and optical layout for this prototype experiment and report to the ET Collaboration on research and development progress.

For talks:

I want to present a poster if I cannot get a talk slot

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