

The RAL Front End Test Stand

High-power proton accelerators with beam powers in the megawatt range have many applications including high intensity neutrino sources and spallation neutron sources. The RAL Front End Test Stand (FETS) is being constructed to demonstrate production of a 60 mA, 3 MeV, 50 pps, chopped H⁻ beam suitable for such future accelerators. This poster gives a description and status report of the various components (H⁻ ion source, magnetic low energy beam transport, radio frequency quadrupole accelerator, high speed beam chopper and a comprehensive suite of diagnostics) of the FETS.

Talk, Poster, or Talk & Poster

Poster

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