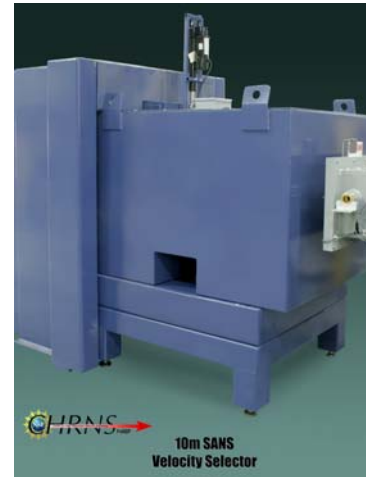
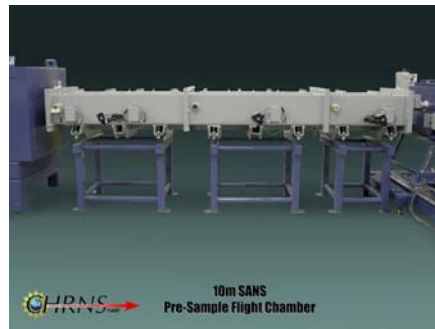


Accelerator Shielding & Vacuum Vessels

IP Systems Project Manager
Keith Rensberger



Project Scope: Fabrication, Assembly, Integration, Helium Leak Testing.

IP Systems provided fabrication, assembly, and testing services in the construction of the Small Neutron Scattering Spectrometer for NIST. This effort was done in partnership with Merrick & Company, as a design-build project. The system is used to detect small angle neutron scattering for a variety of scientific studies at the NIST Center for Neutron Research in Gaithersburg MD.

IP Systems built the Flight Chamber (aluminum high vacuum tunnel), the Sample Environment Assembly, and two multi-sectional shot & paraffin Shield Assemblies. Our work included assembly and helium leak testing of the entire system in our facility, and support for final assembly Functional Acceptance Tests (FAT).