

10/22/2024 MIT scope statement
5/8/2025 Modifications (Mod 8)

This statement of work (SOW) describes the support and assistance requested from MIT-Bates to complete the US Spectrometer engineering, drawing packages, analyses documents, meetings and reviews, leading to procurement of components. MIT-Bates is asked to work in coordination with Bartoszek Engineering and TJNAF management and engineers. The period of performance (PoP) for this contract modification (mod 7 to 24-P1014) is extended from 5/31/2025 to 12/31/2025.

Bartoszek Engineering is leading the engineering and design effort working from the current status of the US Spectrometer and will deliver drawing packages to TJNAF. TJNAF will manage and complete procurement of remaining materials and present at DOE and management reviews.

1.1 Contributions to MOLLER and the US Spectrometer Scope

1. Continued participation in recurring weekly meetings for Spectrometer and MOLLER, email communication, and general support as required.
2. Motion for the Blocker and Sieve:
 - 2.1. The Subcontractor shall identify acceptable actuators, and complete the design of all custom components for the rotate feedthroughs for the Blocker and Sieve for the MOLLER experiment.
 - 2.1.1. All calculations demonstrating mechanical integrity of the custom rotate assembly should be sent to TJNAF.
 - 2.1.2. The final design model package (for the feedthroughs) will be sent to Bartoszek Engineering for integration into the overall model and production of manufacturing drawings.

1.2 Travel

Travel by the subcontractor is supported to TJNAF for discussion of US Spectrometer technical details, reviews, and/or to vendor locations to assist in production of materials.

1.3 Documentation

Documents including meeting presentations, technical notes, reports and vendor visit report(s) shall be sent to TJNAF for records. Assist in preparation of presentation material for all MOLLER reviews and collaboration meetings as requested by TJNAF through the PoP. Slides, reports and other presentation material should be delivered to TJNAF at least 3 weeks before the review date for TJNAF review.