

Moller TM0 Mapping Fixture Meeting

Date: September 5, 2025

Time: 15:00 – 15:30

Attendees: Pablo Campero, Brian Eng, Sandesh Gopinath, and Marc McMullen

1. Discussion of fixture

Sandesh

1. Reviewed TM0 CAD model
 - Discussed a rough concept of a field measurement fixture that would be inserted into the 50-mm diameter, ~2-meter long bore of the magnet
 - The fixture should sit in the bore with the mapping sensor boards mounted inside the fixture, as opposed to the current field mapper, a rod with sensors mounted to the outside
 - The measurements will be taken radially along the bore (Z axis) at multiple locations
 - The full length of the fixture design is undermined
 - The full length could consist of multiple fixtures that could be joined, or used separately by inserting into both ends of the bore
 - Perfect alignment of the fixture in the center of the bore is not critical, but a fiducial surface must be accessible to determine orientation

2. Immediate timeline

All

1. The Moller group would like a response from management within 10 days on the prospect of a design