



Modular Connection Node Workshop Overview

Linda Valerio

MAGIS-100 Modular Connection Node Workshop

30 June 2022

Workshop introduction

Modular connection nodes have the MOST interfaces between sub-systems and teams.

It is not expected to answer all questions today. Raising awareness of issues and interfaces is the goal.

Today's focus will be on physical and mechanical features at the current state of design. Science or technical discussions will be scheduled for future meetings.

To stay on schedule, please minimize interruptions to speakers unless brief clarifications are needed. Discussions will occur if time permits.

At conclusion of workshop, please send list of questions/concerns to Linda to compile and share. This will guide our next efforts.

Workshop agenda

MAGIS-100 Modular Connection Nodes Workshop		
📅 Thursday Jun 30, 2022, 12:00 PM → 3:00 PM US/Central		
12:00 PM → 12:10 PM	Overview Speaker: Linda Valerio (Fermilab)	🕒 10m
12:10 PM → 12:20 PM	Specifications and requirements Speaker: Noah Curfman	🕒 10m
12:20 PM → 12:45 PM	Design status and decisions needed - Mechanical Speakers: Noah Curfman, Dirk Hurd (Fermilab)	🕒 25m
12:45 PM → 1:05 PM	Design status and decisions needed - Magnetic shield coupler Speaker: Eric Jin	🕒 20m
1:05 PM → 1:25 PM	Design status and decisions needed - Vertical bias bars Speaker: Jason Hogan (Stanford University)	🕒 20m
1:25 PM → 1:35 PM	Break	🕒 10m
1:35 PM → 1:50 PM	Design status and decisions needed - Vacuum Speaker: Lucy Nobrega (Fermilab)	🕒 15m
1:50 PM → 2:10 PM	Design status and decisions needed - Bake system Speaker: Ron Kellett (Fermilab)	🕒 20m
2:10 PM → 2:30 PM	Design status and decisions needed - Camera system Speakers: Ariel Schwartzman (SLAC National Accelerator Laboratory), Murtaza Safdari (Stanford University)	🕒 20m
2:30 PM → 2:50 PM	Discuss cable exit from shield, laser safety, heat, and replication of design details from atom source connection nodes	🕒 20m
2:50 PM → 3:00 PM	Identify action items and list open issues	🕒 10m