

# Muon LOI Plans

- Update DOD section with new figures, SID02 geometry
- Also update status of R&D
- Expect no new engineering ?
- May get mu id results in calorimeter from PFA Prod code.
- Any new physics analysis? Unlikely. No benchmark analysis to set required misid
- Optimization tied with flux return design. Do we have a fringe field requirement?

# Muon LOI Status

## IDAG Questions

- SiD Muon system sensitivity to machine backgrounds as characterized by the MDI panel.
- Calibration and Alignment.
- Engineering status of subsystem support structures and dead zones.
- Plans for obtaining the necessary R&D to get from design concept to robust detector proposal.
- Push-pull impact on assembly areas, detector transport, detector services, detector maintenance and efficient operation.
- Subsystem performance issues at higher CM energies.
- Explain how the subsystem design was optimized.

Straight-forward

Easy – if no detail

Get real

Real work

Trivial if no details

Easy

It wasn't