

Micromegas NSW issues

Tasks list

Scope

- Preparation of New Small Wheel project
 - Set up task sharing => proto-Collaboration (MoU)
 - Project leader & project management
 - TDR (2012/13)
- Layout & integration
- Chamber design, industrialization, and work in institutes
- Electronics production
- Trigger/DAQ
- Software issues
 - Simulation
 - Analysis

Chamber design

- Layout & integration into ATLAS
 - Layout & contact to NSW design engineers
- Chamber design & realization
 - Design of multilayer
 - Design of spacer & support structure
 - Alignment
- MM design optimization
 - Board layout & production aspects
 - Connectivity

Industrialization

- Production engineer
- Organization of production in industry and institutes
 - Planning
 - Procurement
 - Follow-up
- Quality assurance policy

Electronics & services

- Trigger/DAQ system
- Front-end electronics (on-chamber)
 - Design, system layout
 - Procurement
 - Testing
- DCS
- Services
 - HV system
 - LV/cooling
- Test sites & procedures

Software & analysis issues

- System simulation
- Data preparations
- Monitoring
- Analysis s/w, integration into Athena framework ???

TDR & Module0 (2013?)

- TDR
 - Expected in 2013 (?)
 - Editor ?
- Module 0
 - Design
 - Planning & follow-up
 - Production
 - Assembly
 - Evaluation