

General News



Interim report should be confidential until Council has seen it (in September)

- We will discuss the content but are not allowed to share the text

Deadline for draft: July 16th to the LDG

LDG meeting on July 19th to discuss progress

Interim Report ready by end of July (probably still true)

Interim Report Proposed Structure



Introduction (5pp)

- Relation to strategy
- Process
- Remit of panels
- What is to come in final report

Panel section (10pp each)

- Executive summary of findings to date
- Motivation
- Panel activities
- State of the art*
- R&D objectives*
- Key points of roadmap*
- Facilities and infrastructure

Need to develop objectives
at community meeting

Tentative Potential Workpackages



Workpackages potentially including hardware

- Fast-ramping magnet systems
- Cooling RF
- Neutrino radiation mitigation system
- Target material tests using HiRadMat ?

Paper studies exploiting synergies

- Superconducting RF
- Efficient RF power systems
- High-field solenoids
- High-field dipoles / combined function magnets
- Target system

Other theoretical studies

- Accelerator design and beam dynamics
- Integrated cooling cell design
- Radiation protection and accelerator radiation (target, collider ring)
- MDI
- Other technologies

Test facility design

- Application of above workpackages to test facility (should be the same people)
- Studies for test facility implementation: civil engineering, proton complex, ...

Try to group workpackages

- important to identify where we do hardware

Will prepare more detailed description for the meeting

More General News



Presentations of Panel to Particle Physics Community this Friday afternoon

Review of EC description of Design Studies indicates we should focus on muon collider and only include the test facility

- View supported by TIARA members

Will start to define bid for such a study

- everybody is welcome (but only EU members will receive a bit of money, i.e. at most 3 MEUR)

The MoC is now ready

- defining how to administratively handle it at CERN

Tentative Workpackages



- Site studies
 - Funded by CERN and other proponents
 - Civil engineering, proton infrastructure
- Muon Beam Production
 - Target, capture solenoid/horn, proton dump
- Muon Beam Preparation
 - Momentum selection, collimation, upstream diagnostics
- Muon Beam Cooling
 - RF design, magnet design, cell design and integration
- Muon Beam Downstream Diagnostics
- Synergies and outreach
 - e.g. nuSTORM
- Management