

NuFact'11

ACCELERATORS WG3

Elena Wildner, Tom Kuriyama and Alex Bogacz

Questions for NuFact'11

- Is Project X a suitable proton driver for the Neutrino Factory ?
- What is the path for solving the problem of operating high gradient RF in strong magnetic field ?
- Does energy deposition pose SC solenoid shielding problem for presently proposed proton drivers ?
- Do we have a working Injection/Extraction scheme for NS-FFAG Rings ?
- Is chromaticity correction sufficient to reduce the TOF problem for NS-FFAG ?
- Can Scaling FFAG be used in other-than-ring configurations ?
- Is there a synergetic path from the Neutrino Factory to MC ?

Questions for NuFact'11

- Target handling for Multi MW targets ?
- Proposed target systems are many, convergence ?
- Material property evolution with time (from radiation, strain & stress and temperature) ?
- Will the Beta Beam be possible in the CERN Complex ?
- Verification of the ^{18}Ne production for beta beams ?
- Modeling of pion production complete ?
- How serious is power deposition in the structures after/around the target (horn, solenoids...) ?

'Straw man' Agenda - Accelerators

Plenary Talks

- Neutrino Factory design overview and the IDS-NF Status, J. Pozimski,
C. Rogers, S. Berg, C. Prior
- MAP Overview and Plans, S. Geer,
- Status of MICE, L. Coney
- New solenoid capture system, H. Kirk
- Superbeam/Betabeam implementation at CERN C. Hansen
- JPARC, T2K, Some young Japanese or F. Dufour, M. Ravonel
- Detectors, technology, present plans and future availabilities
- Review results/problems/future for superbeams

'Straw man' Agenda - Accelerators

WG Talks (Neutrino Factory):

- Suitability of Project X as a proton driver for NF, E. Prebys
- Target options for NF, C. Densham
- NF - Front end studies , D. Neuffer
- RF cavity processing and testing plan, D. Li
- RLA design status and new options - IDS, A. Bogacz
- Linac and RLA simulation studies for IDS, K. Beard
- Injection/Extraction studies for NS-FFAG, J. Pasternak
- Solutions for TOF problem for NS-FFAG, S. Machida
- Scaling FFAG in other-than-ring configurations, T. Planche
- Synergetic path from NF to MC, A. Bross

'Straw man' Agenda - Accelerators

WG Talks (Beta Beams):

- Gamma 350 beta beams A. Chance
- Double bore beta beam decay ring A. Chance
- Collective effects in the decay ring C. Hansen
- Production Ring: what are the present intensities of ^8B and ^8Li E. Benedetto
- Opportunities for neutrino tests/experiments at ISOLDE (All ions) T. Stora
- Superbeam/Betabeam implementation at CERN C. Hansen (E. Wildner)
- Simulations of ^8B and ^8Li production tests at ISOLDE, G. Collasuol
- Experiment for ^{18}Ne production
- 60GHz ECR Source, status, T. Lamy, (Melanie)
- Collection of ^8B and ^8Li (S. Mitrofanov)
- Cross section measurements for the production of ^8B and ^8Li (V. Kravchouk)

'Straw man' Agenda - Accelerators

WG Talks (Other):

- Target handling for Multi MW targets ?
- Proposed target systems are many, convergence?
- Material property evolution with time (from radiation, strain & stress and temperature)?
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- Verification of the ^{18}Ne production for beta beams?
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