

SPC panel on Future Neutrino Facilities

Members:

R.Aleksan, A.Blondel, P.Dornan, K.Meier, A.Zalewska,
F.Zwirner

SPC meeting, 17.03.2009

A.Zalewska: Introduction

F.Zwirner: The goals of neutrino physics

A.Blondel: Neutrino oscillations - experimental status

→ Panel's past meetings:

- 8.12.2008 (face-to-face), 28.01.2009 (teleconference), 13.03.2009 (teleconference-unsuccessful), 16.03.2009

→ Initial work (summary in the talks of F.Zwirner and A.Blondel):

- evaluation of the goals of neutrino physics (P.Dornan, F.Zwirner)
- review of the experimental program for neutrino oscillations (document of A.Blondel for J.Engelen serving as a starting point)

→ Panel's meetings today and tomorrow

- (1) Upgrade of the CERN accelerators - with the CERN directors (S.Bertolucci, S.Myers) and with other accelerator experts
- (2) Design studies of future facilities: EURISOL, EUROnu, IDS-NF (M.Lindroos, R.Edgecock, K.Long)
- (3) Accelerator R&D experiments: MERIT, MICE (I.Efthymiopoulos, A.Blondel)

→ Contacts with the neutrino community: through EuCARD/NEu2012 network (the members of the SPC panel got invited to the network kick-off meeting tomorrow in the afternoon)

→ Future work and events

- the May workshop at CERN- CNGS experiments, plans for the upgrade of the CERN accelerators
- neutrino physics at the ECFA open session during the EPS conference in Krakow (18.07.2009)
- the CERN workshop dedicated to the neutrino physics in Europe (in October?)
- final report from the SPC for the December Council week