

Future Long Baseline Neutrino Experiments



12:55-13:00 Welcome (Francesca Di Lodovico)

13:00-13:30 2012 Neutrino oscillation landscape and near term future experiments (Jeff Hartnell)

13:30-14:00 Detector Technologies for long baseline neutrino experiments (Lee Thompson)

14:00-14:30 Cross Sections: the Beginning and End (Ryan Terri)

14:30-15:00 Hyper-Kamiokande (Tsuyoshi Nakaya)

Coffee Break

15:30-16:00 LAGUNA-LBNO (Neil McCauley)

16:00-16:30 The US Long Baseline Neutrino Programme (Justin Evans)

16:30-17:00 Outlook of neutrino factories (Ken Long)

17:00-17:30 Phenomenological Overview (Silvia Pascoli)

17:30-17:45 Outlook (Dave Wark)

CP, mass hierarchy...

Need new experiments and machines

T2K, MINOS, Daya Bay, Double Chooz.. Major milestone so far: Θ_{13}

Super-K (supernova and oscillations), SNO, KamLAND... progress continues to accelerate into the exciting neutrino programs of today...

Davis (solar neutrinos)

Reines and Cowan (discovery)

Pauli and Fermi (theory)

