

Principal outcomes: notes for our discussion:

- Reference Design Report:
 - Should contain the description ('proposal') of the project we would like to carry out
- Interim Design Report:
 - A step on the way; important for us to work out how to deliver the RDR
- Principal outcomes document:
 - Should reflect accurately the agreement of those at Mumbai
 - Was drafted to start a discussion exactly as it has done within the SG
 - Propose:
 - To redraft:
 - Summarising proposed changes to baseline and agreements on IDR
 - Summarising principal outcomes from the meeting in Mumbai ... and ...
 - Noting that some of the proposals discussed at Mumbai have been modified by discussion within the SG
- Contentious issues in present document:
 - Low Energy Neutrino Factory
 - Tau detection at intermediate baseline

Low Energy Neutrino Factory:

- Discussion and objections all welcome and valid
- On reflection, it seems to me that what we have to do now is propose how we deal with the LENF in the IDR
 - Consensus: present as an option
 - PPEG: make an 'optimisation' study:
 - Assume T ASD performance
 - I.e. can see two oscillation maxima
 - Issue of taus will come up here too
 - At present energy is below threshold
- Wrong to:
 - Guess physics situation in two years time today
 - 'Tie our hands' when working out configuration at time of preparation of RDR
- So, propose to modify principal-outcomes document:
 - To say that the IDR should contain the LENF as an option; and
 - That an optimisation study should be performed

Tau detection:

- Email discussion clarified that the issue is the impact of the present MECC on:
 - Standard oscillation analysis
 - Search for non-standard interactions
- Already in Mumbai it was recognised that it is wrong to ‘rule out’ the tau detector at the intermediate baseline – that’s why we proposed to keep/cost the cavern
- Again, wrong to:
 - Second guess physics situation at time of RDR
- So, propose to modify principal outcomes document:
 - To say that detector study needs to be made to propose a tau detector for the intermediate (or long) baseline capable of making a significant impact
 - P.Soler in Detector talk explained lack of effort for this
 - Can seek to address the issue of effort