

Workshop Agenda:

Session 1: Introduction

- 1) welcome (Eckhart Elsen) (10')
- 2) Goal of the workshop, (Marco Alain Yokoyama) (20+10)
- 3) CENF presentation (Marzio Nessi) (20+10)

Session 2: T2K Near Detector, Lessons Learned

- 1) T2K near detector performance and limits (Claudio Giganti) (20+10)
- 2) The T2K ND TPC (Emilio Radicioni) (20+10)

Session 3: Near Detector Challenges for Long Baseline Projects

- 1) T2K and T2K-II (Nakaya-san) (20+10)
- 2) HK (Mark Harz) [Francesca] (20+10)
- 3) DUNE Ask André Rubbia and Mark Thompson to suggest a speaker on NDs (Kendall Mahn?) (20+10)
- 4) Neutrino cross-sections (Sara Bolognesi) (20+10)
- 5) theoretical challenges (Jan Sobczik) (20+10)

Session 4: The T2K Near Detector Upgrade

- 1) The T2K Near Detector Upgrade (Yokoyama-san) (20+10)
- 2) The new TPCs (Marco Zito) (20+10)
- 3) Active targets (Benjamin Quillian) (20+10)
- 4) Quantitative assessment of upgraded performances (Davide Sgalaberna) (20+10)

Tot 2h

Session 5: TPC H/W

- 1) Vessel+field cage, Klempt (CERN) (20+10)
- 2) Gas system (Asher Kaboth/RAL) (20+10)
- 3) MPGD for TPC/HPTPC (Ioannis Giomataris) [Paul Colas] (20+10)
- 4) Electronics based on the T2K TPC design (Denis Calvet) (20+10)
- 5) Recent developments based on ILC TPC Electronics (Anders Oskarsson) (20+10)
- 6) Electronics ideas from Poland (Marcin Ziembicki) (20+10)
- 7) Calibration (Stefan Roth) (20+10)
- 8) Discussion (15')

Tot 3.5h

Session 6: HPTPC R&D

- 1) HPTPC R&D in UK for CPV (Morgan Wascko) (20+10)
- 2) HPTPC R&D in the US for CPV (Jen Raaf) (20+10)
- 3) HPTPC R&D in Spain for LB neutrinos (Thorsten Lux) (10+5)
- 3) HPTPC R&D in Spain for DM (Igor Irastorza) (15+5)
- 4) HPTPC R&D in Spain for neutrinoless double beta decay (Michel Sorel) (15+5)
- 5) HPTPC R&D in France (speaker: Marco will suggest someone) 20+10)
- 6) HPTPC R&D at CERN (Diego Gonzalez Diaz or Filippo Resnati) (20+10)
- 7) HPTPC R&D in Japan for neutrinoless double beta decay (Ishikawa-san) (20+10)
- 8) discussion about coordination of R&D (45'-60' discussion)

Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

- 1) New developments in RD51 related to MPGDs (Silvia Dalla Torre, Leszek Ropelewski)
--what can you do for us?
--what are the sexiest things RD51 is doing right now?

- 2) SRS (Scalable ReadOut System) (Hans Muller)
- 3) MPGD facilities + RD51 CERN test beam facilities (Eraldo Olivieri)
- 4) ILC/TPC (ask Ties Behnke, DESY)

Final discussion: synergies and time scales. (45 minutes for this)

Now need to circulate what we have and see how it fits. People in charge of agendas should do the invitations provisionally.