

Object: European Neutrino Town meeting and ESPP 2019 preparation

Dear colleagues,

The European Strategy Discussions will take place in 2019, and to inform this process, a call was made to the particle-physics community across universities, laboratories and national institutes to submit written input by 18 December 2018.

We propose to this effect to organize a contribution by the European Neutrino community. A discussion "town" meeting is organized on 22-24 October 2018 at CERN in the Glob, open to the European neutrino community (but not closed to others especially if they carry out experiments at CERN). Registration will soon be open, accommodation (75 rooms have been booked at the CERN Hostel) and practical details will be found here (site under construction) <https://indico.cern.ch/event/740296/>

Please feel free to circulate it in your community, in particular to the European colleagues

The aims are as follows:

1. The first aim is to prepare a document expressing the views of the European community, in a context where there is no longer an accelerator neutrino beam in Europe and the community has invested in projects in China, Japan and the USA.
2. The document should take stock of the properties of the "present" LBL program (T2K+SK+NOvA, JUNO, T2K upgrade, HyperK and DUNE) in physics terms, identifying and quantifying who measures what and how well, and what is the complementarity in quantitative and qualitative terms and under which time scale.
3. It should also address the status and possible future of the short baseline neutrino experiments in search for 'sterile neutrinos' and 'anomalies'.
4. Address possible contributions or support of CERN to this program and discuss the best possible investment based on the above physics considerations.
5. address the question of the future of the field
 - with neutrino beams to complete the present LBL program
 - includes HP-TPC, NUSTORM, MOMENT, P2O and R&D on supplementary detector methods
 - searches for 'sterile/Right-handed neutrinos' with the existing or foreseen neutrino near detectors as well as with beam dump experiments such as SHIP, and at high energy (LHC, Future colliders)
 - neutrinoless double beta decay experiments
5. We will send invitations to the theory community and to members of the following experiments and projects including:
 - T2K, T2KII, SuperK, HyperK, NOvA, DUNE, CHIPS, ESSnu
 - searches for sterile/Heavy/RH neutrinos (SBN/SHIP/Colliders)
 - ancillary experiments such as NA61/SHINE etc..
 - ORCA, KM3NET, P2O, ICECUBE
 - Minerva and experiments focusing on the physics of and with neutrino interactions
 - near detectors, HP-TPC, NUSTORM, MOMENT, ISODAR, etc..
 - neutrino-less double beta decay experiments

With kind regards,

the Local Organizing committee

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