APR16-2016-000140

Abstract for an Invited Paper for the APR16 Meeting of the American Physical Society

The European Neutrino Landscape MARCO ZITO, CEA

I will report on the European landscape in neutrino physics, in the context of the APPEC European roadmap process of Astroparticle Physics, starting with the effort to determine the neutrino mass hierarchy with atmospheric neutrinos, the experiments of determination of neutrino mass in single and double beta experiments, the R&D and prototyping in view of global long baseline experiments, while in parallel reporting on European participation in global scale experiments, present and future.