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[325] Neutrino physics at the LHC

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SND@LHC is a newly installed detector to study LHC neutrinos in a unexplored pseudorapidity region, using a hybrid system of interleaved emulsion cloud chambers and electronic trackers, followed by a calorimeter/muon system. It allows to distinguish all three neutrino flavours, which are predominantly produced in heavy flavour decays. This is a unique opportunity to probe heavy flavour production at the LHC in a region not accessible to any other experiments and of particular interest for future colliders and for astrophysics. The detector is also able to search for scattering Feebly Interacting Particles.

This talk will review the physics case of SND@LHC and introduce the measurements to be performed in 2022.

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