

# The 19th International Workshop on Neutrinos from Accelerators (NUFACT2017)



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## **Towards nuSTORM facility - overview of accelerator designs**

*Wednesday, September 27, 2017 12:00 PM (30 minutes)*

The neutrino beam originating from muons decaying in a storage ring is an ideal tool for precise neutrino cross-section measurements due to its exactly known flavour content, including both muon and electron ones, and spectrum. The proposed nuSTORM facility would use pions directly injected into a race-track storage ring, where circulating muon beam would be formed. The sketch of the nuSTORM facility is discussed. The alternative storage ring designs including a FODO and FFAG (Fixed Field Alternating Gradient) based ones are presented in details including their estimated physics potentials.

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