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OR12 - Status of beam commissioning and operation tools in NanoTerasu

Wednesday, 13 September 2023 17:00 (30 minutes)

NanoTerasu is a new 3 GeV compact soft X-ray (SX) light source with a circumference of 350m and an MBA lattice in Japan. The target brilliance is 1021 photons/sec/mm²/mrad²/0.1% b.w. To achieve the highly brilliant source, the storage ring was designed for a stored beam current of 400 mA and a horizontal beam emittance of 1nm rad. The injector linac and the storage ring commissioning was started in April 2023. The first light from 3-Pole wiggler was observed in June 2023. The operation tools in the beam commissioning phase will be presented.

Presenter: UESHIMA, Kota (QST)

Session Classification: Beam Diagnostics