



Contribution ID: 32

Type: **not specified**

IHEP SE Overview 20+5'

Thursday 9 November 2017 11:45 (25 minutes)

The report overviews stochastic SE system employed at the U-70 proton synchrotron in Protvino (Russia). The beam fraction extracted is driven diffusively along momentum axis (upward, traversing empty RF buckets en route) to the 3rd integer horizontal resonance. To this end, a baseband phase noise over a non-random carrier in an auxiliary RF system is applied. Spill flattop and suppression of its lower-frequency ripples is managed with a dedicated feedback circuit.

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Session Classification: Session 1: Workshop motivation and Slow Extraction at existing and new facilities