



Contribution ID: 4

Type: **not specified**

The linking of TSR to ISOLDE

Monday 29 October 2012 16:30 (30 minutes)

With the integration of the Heidelberg Test Storage Ring at ISOLDE it would become the first storage ring at an isotope separator on-line (ISOL) facility. A substantial fraction of the vast number of radioactive beams produced at the ISOLDE facility could be injected into the ring for storage, beam deceleration or acceleration. The different operational possibilities and constraints that arise when the ring is connected to an ISOL facility with a successive charge breeder will be addressed. More specifically the required high ion charge-state and short pulse length will be motivated, the foreseen setup procedure discussed, as well as the ion throughput limitations among other things. A tentative layout of the integration with the HIE-ISOLDE linac beam lines will be presented. Finally an introduction to the study of an upgraded charge breeding system will be given.

Primary author: WENANDER, Fredrik John Carl (CERN)

Presenter: WENANDER, Fredrik John Carl (CERN)