

ISOLDE as a multi-user facility

Wednesday 25 November 2020 09:30 (20 minutes)

The construction of a new experimental hall dedicated to low-energy physics is under consideration in the framework of the EPIC project. The hall would be located in front of building 508, in the space currently occupied by the CERN's recuperation facility. The additional space could host between fifteen and twenty experimental stations and it is believed to be enough to satisfy the future needs of the ISOLDE user community. However, producing and delivering sufficient radioactive beams to serve all these stations with the limited number of protons that the PS Booster is able to provide is not trivial. In this contribution, several ideas on how to optimize the use of the protons and therefore, maximize the amount of radioactive beam available, will be presented. In addition, a possible layout of the beamlines in the hall will also be discussed.

Primary author: RODRIGUEZ, Jose Alberto (CERN)

Presenter: RODRIGUEZ, Jose Alberto (CERN)

Session Classification: A new ISOLDE building and target stations