



Contribution ID: 36

Type: **not specified**

Precision measurements in nuclear beta decay in the LHC era

I will discuss what kind of new phenomena can be probed through precision measurements in nuclear and neutron beta decays. Several of these experiments were carried out (or are planned/ongoing) at ISOLDE at CERN, a world-leading facility in the field of nuclear physics. Using a model-independent description I will review the interplay between the different experiments and which ones are the most sensitive and promising. I will discuss the synergy with searches at high-energy colliders, such as the LHC, and with other electroweak precision observables.

Primary author: GONZALEZ-ALONSO, Martin (CERN)

Presenter: GONZALEZ-ALONSO, Martin (CERN)

Session Classification: New ideas