



Contribution ID: 116

Type: Poster

Detection System for NoMoS

Tuesday, October 22, 2019 5:39 PM (1 minute)

NoMoS, the neutron decay products momentum spectrometer, aims to measure the momentum spectra of the charged decay products (electron and proton) in neutron beta decay with high precision. It uses the so-called $R \times B$ effect in a uniformly curved magnetic field to separate and a spatially resolving detector to measure the charged decay particles according to their momentum. In this poster, the proposed spatial detection system as well as the veto detectors of NoMoS alongside their systematics investigations will be described.

Primary authors: Mr KHALID, Waleed (SMI, ÖAW); Dr VALENTAN, Manfred (SMI, ÖAW); Mr DANIEL, Moser (SMI, ÖAW); Dr KONRAD, Gertrud (SMI, ÖAW); Ms JIGLAU, Raluca (SMI, ÖAW); Dr ZMESKAL, Johann (SMI, ÖAW); Dr SOLDNER, Torsten (Institute Laue Langevin)

Presenters: Mr KHALID, Waleed (SMI, ÖAW); Dr VALENTAN, Manfred (SMI, ÖAW)

Session Classification: BBQ - Drinks & Posters