

The 21st International Workshop on Neutrinos from Accelerators (NUFACT2019)

Contribution ID: 69

Type: **Oral Presentation**

Status of the AlCap experiment

Friday 30 August 2019 14:25 (25 minutes)

COMET (J-PARC) and Mu2e (Fermilab) are two experiments currently under construction that aspire to discover the neutrino-less muon to electron conversion BSM process. As a cooperation between the two experiments, AlCap was created to measure low energy particle emission spectra after nuclear muon capture in target materials aluminium and titanium. These measurements are important for understanding noise hit rates and radiation damage in COMET and Mu2e's detector systems. AlCap also explored muonic x-ray measurement methods that could be used for muon normalization. This talk will report the preliminary results collected at the Paul Scherrer Institut in Switzerland during the 2015 run.

Working Group

WG4 : Muon Physics

Authors: WONG, Mark (Université Clermont Auvergne); QUIRK, John (Boston University); EDMONDS, Andrew (LBNL)

Presenter: WONG, Mark (Université Clermont Auvergne)

Session Classification: Working Group 4