

Photons after muon capture on aluminum and titanium

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The AlCap experiment is an experiment conducted at PSI (Switzerland) that studies products of muon capture on aluminum, titanium. These materials are candidates for stopping targets in the next-generation of charged lepton flavor violation experiments, namely Mu2e at Fermilab and COMET at J-PARC, which will search for the neutrinoless conversion of muons to electrons in the nuclear fields. The muonic X-rays emitted during atomic capture, and gamma-rays from nuclear muon capture are important in determining the number of stopped muons in the target. I will describe the AlCap experiment and present results.

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