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First Results with aSPECT

abstract: The retardation spectrometer aSPECT is used to measure the neutrino-electron angular coefficient a in the decay of free neutrons. This is done by measuring the integrated proton energy spectrum very accurately using an energy filter by electrostatic retardation and magnetic adiabatic collimation. The main ideas of the spectrometer are presented as well as results of the first measurements at the FRM-II.