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Precise measurements of fundamental quantities of muon at J-PARC

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Various measurements aiming at the precise determination of the fundamental physical quantities of muons (mass, magnetic moment) are underway at the J-PARC Materials and Life Science Experimental Facility, Muon Facility (MUSE). These include muonium HFS and 1s-2s measurements, HFS measurements of muonic helium and muon trapping. Preliminary results have already been obtained for the first two. This talk will report on the current status and future prospects activities

Scientific topic

Symmetries

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