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Search for $\mu \rightarrow e\gamma$ in the MEG II experiment with the highest sensitivity to date

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This talk reports the result of the latest search for $\mu \rightarrow e\gamma$, which measured 1.3×10^{13} muon decays in the MEG II data collected in 2021-2022. A sensitivity of 2.2×10^{-13} was achieved in this search, which is factor of 2.4 higher sensitivity than the previous experiment. In addition to the result, this talk discusses the status and prospect of the MEG II experiment, which is supposed to continue the data taking until 2026.

Secondary track

Author: OYA, Atsushi (The university of Tokyo)

Co-author: COLLABORATION, MEG II

Presenter: OYA, Atsushi (The university of Tokyo)

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