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## **Upgrade of MEG experiment**

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We present the upgrade program of MEG experiment to search for the lepton-flavor-violating decay,  $\mu \rightarrow e \gamma$ , aiming for a sensitivity enhancement of one order of magnitude compared to the final MEG result. The key feature of this program is to increase the rate capability of all detectors to enable running at more than twice higher beam intensity, which is the intensity frontier of DC muon beam provided by PSI accelerator facility, with significantly improving the efficiency and resolutions of detectors at both positron and gamma sides. In this talk, we present how we achieve it. The progress of R&D, which has been underway since 2011, is also reported. Data-taking could start in 2016 and the goal sensitivity will be achieved for a running time of 3 years.

The upgraded MEG will push the unprecedented exploration of physics beyond the SM and lead the intensity frontier of particle physics in LHC era.

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