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Introduction to COMET Phase-I Experiment

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COMET is an experiment to search for neutrino-less μ− - e− conversion in a field of aluminum nucleus, which is a charged Lepton Flavor Violation process. In COMET Phase-I, a single event sensitivity (SES) is expected to be 3 × 10^−15 which is a factor of 100 times better than the current world's limit. This poster will explain the physics motivation the principle of the COMET experiment.

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