



Contribution ID: 97

Type: **invited presentation**

Latest results from the LEMING experiment

Wednesday 10 September 2025 14:30 (30 minutes)

The LEMING experiment aims for measuring the gravitational acceleration of muonium, and to carry out next generation laser spectroscopy experiments in search for beyond SM physics. We developed a novel cold muonium source by converting conventional (sub)surface muons in a thin layer of superfluid helium, resulting in a high brightness atomic beam. Most recently, we verified the horizontal Mu source concept for interferometry. In this talk, the latest results and future plans are presented.

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Session Classification: Session