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Search for Long-Lived Particles in Macroscopic Matter

Tuesday 20 May 2025 15:30 (45 minutes)

We introduce a novel experimental method that enables sensitivity to a single anomalously heavy particle within a large volume of macroscopic matter. We propose to apply this method to colliders, ancient rocks, and other materials to search for heavy, long-lived BSM particles such as gluinos, charged dark matter, and magnetic monopoles.

Do you plan to give the talk in person?

Yes

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