

Phenomenology 2025 Symposium



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Baryon number violation through derivative operators

Tuesday 20 May 2025 16:45 (15 minutes)

Baryon number violation is our most sensitive probe of physics beyond the Standard Model, conveniently encoded in higher-dimensional effective operators. Operators involving derivatives are usually ignored in phenomenological analyses since they are generically suppressed compared to non-derivative operators. We will study exceptions to this statement and explore scenarios in which derivative operators are important. Along the way, we also show how derivative operators arise in UV-complete models.

Mini Symposia (Invited Talks Only)

Plenary (Invited talks only)

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Session Classification: Flavor

Track Classification: Quark and Lepton Flavor Physics