

From Parity Violation to the Standard Model and Beyond

Monday, 22 June 2026 09:00 (40 minutes)

This talk reviews the historical path from the proposal of parity nonconservation to the establishment of the Standard Model. We trace the development from parity-violation experiments and the V–A theory through current algebra, flavor mixing, CP violation to the electroweak theory and beyond. This evolution illustrates how this brave challenge to a fundamental symmetry reshaped the field of particle physics.

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