

SPCS 2026: 70th Anniversary of the Discovery of Parity Nonconservation and Prospects in Frontier Physics & SPCS 2026 Summer School

Contribution ID: 19

Type: **Plenary Talk**

The battle of symmetry vs asymmetry

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

The discovery of parity violation introduced asymmetry directly into our most fundamental laws. I will discuss how the conflict between symmetry and asymmetry has shaped where we are in fundamental physics and where we are going. Along the way we will check in on the discrete symmetries, the arrow of time and causality, work by T. D. Lee and G.C. Wick, Starobinsky inflation, etc..

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