## Phenomenology 2025 Symposium



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## Measurements of electroweak penguin decays at Belle and Belle II

Tuesday 20 May 2025 16:45 (15 minutes)

The Belle and Belle II experiments have collected a 1.1 ab<sup>-1</sup> sample of  $e^+e^- \to B\bar{B}$  collisions at a centre-of-mass energy corresponding to the  $\Upsilon(4S)$  resonance. These data, with low particle multiplicity and constrained initial state kinematics, are an ideal environment to search for rare electroweak penguin and radiative B decays. Results include those related to the following decays:  $b \to s^+ \nu \bar{\nu}$ ;  $B \to K^{(*)} \tau^+ \tau^-$ ; and  $B^0 \to K^0_S \tau^+ \ell^-$ , where  $\ell$  is an electron or muon.

## Mini Symposia (Invited Talks Only)

## Plenary (Invited talks only)

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Session Classification: Electroweak

Track Classification: Electroweak, Higgs, and Top Quark Physics