

Probing the Twin Higgs at colliders

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The Twin Higgs mechanism can address the naturalness problem without introducing partner particles that are produced at colliders with a large cross section. Only the scalar modes and optionally the twin hypercharge gauge boson have direct couplings to the Standard Model states and are therefore the first modes that can be accessed at colliders. We comment on measurements that can be performed at the LHC and at future colliders in order to establish discovery, and to test generic predictions arising from the Twin Higgs mechanism.

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