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Heavy scalars in the minimal left-right symmetric models

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TeV scale left-right model are natural to restore parity and generate the tiny active neutrino masses. With the scalar sector extended to break the right-handed weak interaction and generate the SM fermion masses, there are generally heavy neutral, singly charged, and doubly charged scalars beyond standard model at the TeV scale or beyond, which is promising to be observed at LHC 13/14 and future high-luminosity and/or higher-energy colliders. In this talk we discuss the production and decay mechanisms of heavy scalars at current and future hadron colliders in the minimal left-right models and rich phenomenological implications.

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