

Characteristic signals of right-handed currents at future colliders

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The perspectives on the detection of right-handed currents at future experiments will be discussed. We shall focus on processes with 2 or 4 leptons and jets in the final state. Such processes are expected to give important insight into the structure of couplings of heavy gauge bosons to leptons, including heavy neutrinos, and into the Higgs sector of the BSM model under consideration. We show how important for the experimental signal analysis is to carefully take into account interference effects. We also estimate the background for the discussed processes and confront presented setups with low-energy constraints.

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