

Search for the Standard Model Higgs Boson produced in Vector Boson Fusion and decaying into tau pair in CMS with 1fb-1 of luminosity

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A prospective analysis is presented on the observability of the Standard Model Higgs boson produced in the Vector Boson fusion and decaying into tau-tau pair with the tau-tau->lvv+tau-jet v final state. The estimates of the upper limit on the cross section times branching ratio for 1fb-1 for the Higgs boson mass interval 115-145 GeV/c² are given.

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