Double Higgs Production via Photon Fusion in Triplet Higgs Model

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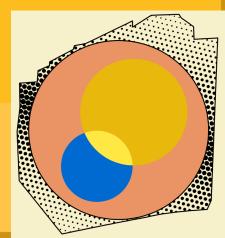
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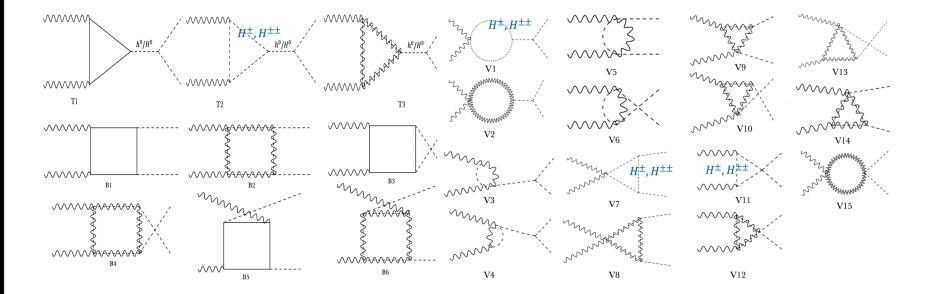
Inaugural US Muon Collider

Fermilab, August 9, 2024

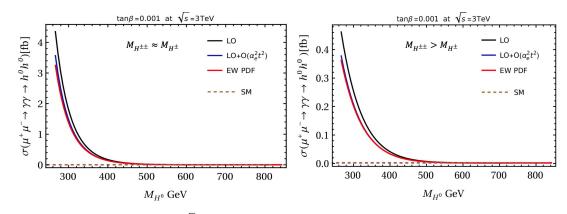


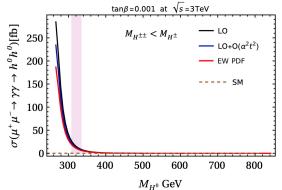


Why is this interesting?









pink region in the plot: In this scenario, $H^{\pm\pm}$ meets the exclusion limits from 200 GeV to 220 GeV. The corresponding H^0 mass values range from 315 GeV to 335 GeV.



Read the Paper

Double Higgs boson production via photon fusion at muon colliders within the triplet Higgs model

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Published in: *Phys.Rev.D* 109 (2024) 7, 075015 e-Print: <u>2312.12594</u> [hep-ph] DOI: <u>10.1103/PhysRevD.109.075015</u> (publication)

