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## Anomalous quartic gauge couplings at a muon collider

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Prospects for searches of anomalous quartic gauge couplings at a future high-energy muon collider using the production of  $WW$  boson pairs are reported. Muon-muon collision events are simulated at  $\sqrt{s} = 6$  TeV corresponding to an integrated luminosity of  $4 \text{ ab}^{-1}$ . The simulated events are used to study the  $WW\nu\nu$  and  $WW\mu\mu$  final states with the  $W$  bosons decaying hadronically. The events are analyzed to report expected constraints on the structure of quartic vector boson interactions in the framework of dimension-8 effective field theory operators.

### In-person or Virtual?

In-person

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