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## Entanglement and new physics in $H \rightarrow VV$

I will discuss the quantum entanglement between spins and orbital angular momentum in  $H \rightarrow WW, ZZ$  decays, for Higgs produced in the Drell-Yan process at  $e^+e^-$  colliders. I will also address the possibility to observe new physics contributions to the  $HVV$  interactions via the analysis of multi-dimensional angular distributions in those decays.

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