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Simple Z' in the early LHC

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Extra vector bosons are a common feature of many extensions of the Standard Model and represent one of the easiest smoking gun of new physics to look for. I will discuss present bounds from direct and indirect searches on the existence of extra spin-1 particles coupled to the Standard Model fields through renormalizable interactions and the possibility of an early discovery at the LHC.

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Classification de Session: LHC future findings

Classification de thématique: Theory