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## Searches for new heavy gauge bosons in 2011 ATLAS data (15' + 5')

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Many extensions of the Standard Model predict the existence of additional, heavy gauge bosons. The ATLAS detector is used to search for high-mass states, such as charged and neutral heavy gauge bosons, ( $W', Z'$ ) decaying to a charged lepton (electron or muon) and a neutrino or into two leptons, respectively in the 2011 data.

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