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High-mass resonances decaying to heavy particles with ATLAS

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The unprecedented LHC dataset is being explored looking for massive particles decaying in a plethora of ways. We give the latest results from ATLAS on searches for new heavy particles decaying to known particles, X->ttbar, tb, bb, VV, VH, HH, Hgamma, tautau, and on searches involving a decay to potential unknown ones, X->ZH' and X->AB. All these analyses use the full run 2 dataset.

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