

Searches for boosted resonances in hadronic final states

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Many extensions to the Standard Model predict new particles decaying into two bosons (W, Z, photon) making these important signatures in the search for new physics. Searches for such diboson resonances have been performed in different final states and novel analysis techniques, including unsupervised learning, are also used to extract new features from the data. This talk summarises such recent ATLAS searches with Run 2 data collected at the LHC and explains the experimental methods used, including vector-boson-tagging techniques.

Alternate track

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Yes

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