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New results from searches with uncommon jet substructure(20'+10')

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We present new results from searches for beyond-the-standard model physics with highly boosted final states, where the use of jet substructure is essential for the identification of a potential signal. The searches cover uncommon jet substructure, such as jets containing a hard photon and hadronic activity from N-prong decays, or highly-boosted light resonances decaying to quark anti-quark pairs. Special emphasis is given to the identification of these signal jets and on the methods to derive the standard model backgrounds.

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