

## Searches with exotic jet substructure techniques

*Monday, 29 July 2024 15:40 (20 minutes)*

New searches with exotic jet substructure techniques from CMS are presented. Signatures with challenging reconstruction techniques include displaced jets, closely merge photon-pairs and soft unclustered energy patterns. New reconstruction techniques making use of machine learning and physics results are presented.

**Primary authors:** ROTHMAN, Simon (Massachusetts Inst. of Technology (US)); LIAO, hongbo

**Presenter:** ROTHMAN, Simon (Massachusetts Inst. of Technology (US))

**Session Classification:** Performance, Triggers and Detectors

**Track Classification:** Performance, Triggers and Detectors