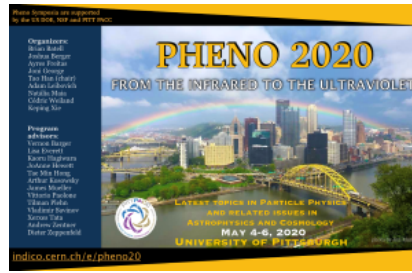


# Phenomenology 2020 Symposium



Contribution ID: 893

Type: **Parallel Talk**

## New Limits on Coloured Three Jet Resonances

*Tuesday 5 May 2020 16:45 (15 minutes)*

Collider searches for the top partner mainly focuses on its decay to the SM weak gauge bosons, top quark, and the Higgs boson. However, it is possible that the top partner decays into other particles resulting in new decay topologies. To this end, we consider top partner that decays via non-standard decay modes in light of the current experimental searches conducted at the LHC. In particular, we investigate top partner that decays to three jets and we find that searches for pair production of di-jet and tri-jet resonances are complementary, covering different regions of parameter space.

### Summary

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**Session Classification:** BSM IV

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