

10th International Workshop on Boosted Object Phenomenology,
Reconstruction and Searches in HEP (BOOST 2018)

Contribution ID: 4

Type: **Talk**

Stealth bosons and where to find them

Wednesday, July 18, 2018 12:00 PM (25 minutes)

I want to discuss jets resulting from the cascade decay of a new particle into four quarks, focusing on: (i) their substructure, which looks like QCD for standard taggers (ii) their groomed mass, which often differs considerably from the true mass of the originating particle. I also want to discuss how to distinguish such jets from the QCD background.

Primary author: AGUILAR-SAAVEDRA, Juan Antonio (University of Granada)

Presenter: AGUILAR-SAAVEDRA, Juan Antonio (University of Granada)

Session Classification: Searches