

Semivisible Jets from Dark Glueballs

Wednesday 22 January 2025 15:00 (7 minutes)

We explored a darkQCD model of the hadronization of dark gluons into dark glueballs to generate semi-visible jet signature. We considered two portal particles, a Higgs and a Z' . Trying to generate the SVJ signature with the Higgs mediator, we found the expected signature, but with an extremely low cross-section, to the order of 10^{-9} pb. It was not possible to generate the signature with the Z' portal due to technical issues in the MG5 event generation and a Pythia shower.

Are you happy to have the meeting recorded?

Yes

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Session Classification: Flash Talks