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## Search for emerging jets in ATLAS

*mardi 20 mai 2025 12:00 (30 minutes)*

This talk will present the recent search for emerging jets performed using LHC Run 3 data collected with the ATLAS detector.

This analysis considers the production of a pair of dark quarks undergoing showering and hadronization within a dark sector, forming long-lived dark mesons that decay back to Standard Model particles. The resulting signature is a pair of jets, each one associated to several displaced vertices.

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**Classification de Session:** Beyond the Standard Model

**Classification de thématique:** BSM