

## Dark Photons at LHCb

*Friday, 26 October 2018 09:50 (10 minutes)*

The possibility that dark matter particles may interact via unknown forces, felt only feebly by Standard Model particles, has motivated substantial effort to search for dark-sector forces, the dark photon being a promising candidate. Its motivation, LHCb search results, and current limits will be presented.

**Primary authors:** Mr WEISSER, Constantin (Massachusetts Institute of Technology); WEISSER, Constantin (MIT)

**Presenters:** Mr WEISSER, Constantin (Massachusetts Institute of Technology); WEISSER, Constantin (MIT)

**Session Classification:** Young Physicists' Lightning Round Session 4