

Exploring Dark Sectors with the LHCb experiment

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The LHCb experiment at CERN has recently demonstrated its potential in the direct searches for light particles related to dark sectors. These models are well motivated and can provide solutions to the Dark Matter puzzle alternative to the WIMP paradigm. In this talk I plan to motivate these searches, overview the capabilities of the LHCb detector and summarise the latest results. I will also discuss the searches planned for the future and the opportunities offered by the upcoming detector upgrade.