## **EPS-HEP2023** conference



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Type: Parallel session talk

## Searches for long-lived particles with ANUBIS

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Many extensions of the Standard Model with Dark Matter candidates predict new long-lived particles (LLP). The LHC provides an unprecedented possibility to search for such LLP produced at the electroweak scale and above. The ANUBIS concept foresees instrumenting the ceiling and service shafts above the ATLAS experiment with tracking stations in order to search for LLPs with decay lengths of O(10m) and above. After a brief review of the ANUBIS sensitivity, this contribution will discuss the first complete prototype detector module proANUBIS data taking in the ATLAS experimental cavern in 2023.

## **Collaboration / Activity**

ANUBIS

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Track Classification: Dark Matter