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## **ANUBIS: future large-scale application of RPC detectors**

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An important potential large-scale application of RPC detectors in the near future is the ANUBIS detector at the HL-LHC, with a total gas gap area of about  $8,000 \text{ m}^2$ . The primary physics goal for the ANUBIS detector is searching for new long-lived particles (LLP) that are predicted in many extensions of the Standard Model with Dark Matter candidates. The ANUBIS detector will provide unprecedented sensitivity to LLPs with decay lengths of  $O(10\text{m})$  and above produced at the electroweak scale. After a brief review of the ANUBIS physics case, the performance benchmarks that are dictated by the physics case will be discussed, and a proposed design of the ANUBIS detector will be outlined. This year, a first complete prototype detector module called proANUBIS has been taking data in the ATLAS cavern. The physics case for proANUBIS and its relevance to ANUBIS physics case will be outlined.

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