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# Insights from the proANUBIS demonstrator using Run 3 LHC collision data

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The proposed AN Underground Belayed In-Shaft (ANUBIS) experiment aims to search for long-lived particles (LLPs) within CERN's ATLAS underground cavern as a valuable addition to the LLP program at CERN. Recent efforts to realise the ANUBIS experiment include the installation and commissioning of a prototype detector, proANUBIS, which has been collecting LHC collision data since 2024. This data will allow for studies of the expected backgrounds for the ANUBIS experiment, and development of analysis and reconstruction tools. This poster will report on the operation and performance of proANUBIS during Run 3 LHC collisions as well as current event alignment and vertex reconstruction efforts.

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