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Reconstruction and analysis of test-beam data from ATLAS ITk pixel modules with the Corryvreckan package

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"The ATLAS ITk Pixel test-beam data have been processed so far using two software packages: EUTelescope for the reconstruction and TBmon2 for the analysis. The EUTelescope package has been discontinued and therefore the ATLAS ITk Pixel group is transitioning to a new reconstruction and analysis tool: Corryvreckan. In this presentation the first use of the Corryvreckan package on existing ATLAS ITk Pixel test-beam data is presented, including software installation and configuration as well as reconstruction of typical data. A comparison of results obtained with the Eutelescope and TBmon2 packages on one side and the Corryvrekan package on the other is presented as a validation of the new tool."

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