

# Data-Driven Field Distortion Correction Maps for the XENONnT experiment

*Wednesday, 16 October 2024 17:13 (1 minute)*

The poster will present the methodology in creating the Field Distortion Correction maps for the data and simulation pipelines of the XENONnT experiment, primarily designed to search for dark matter candidates. Those maps are necessary to correct the reconstructed position of an event, due to the non uniformity of the electric field within the detector. The poster will also present the progress on analytical studies that are being conducted that will improve the way the map is produced and implemented.

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**Session Classification:** Poster Session