MICROMEGAS

PHASE II ANALYSIS

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Background
10.0 hr - 7.0 hr

Tracking
7.5 hr - 8.8 hr

37 runs (presented at Zaragoza meeting)

For each run, the calibration constant obtained from the next calibration run is used
Background *(scaled down)* and Tracking
Background and Tracking

\[ \lambda = 0.155 \text{ nm (8 keV)} \]
\[ \lambda = 0.248 \text{ nm (5 keV)} \]
\[ \lambda = 0.400 \text{ nm (3.1 keV)} \]

Tracking - Background (scaled down)
Cut

$\lambda > 0.3 \text{ nm}$
**Background**

4.5 hr - 5.8 hr

**Tracking**

7.5 hr - 8.8 hr
Tracking 7.5 hr – 8.8 hr

Background 4.5 hr – 5.8 hr

Cut $\lambda > 0.3$ nm

Tracking - Background
Effect of change in energy calibration

Run 5853

Run 5853

Run 5922

Run 5922
Effect of change in energy calibration
Tracking after calibration tune

Tracking before calibration tune
After recalibration of some runs

Background and Tracking

No $\lambda$ cut

Tracking - Background (scaled down)
Sum of Runs 5856, 5853, 5922, 5952, 5956 after calibration tune

Background

Tracking
No axion signal 😞