Results from the First Tritium campaign of KATRIN

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Experimental setup

\[ m_e \text{ sensitivity: } 200 \text{ meV (90 \% C. L.)} \]

Stability analysis

- stable magnetic field
- stable high voltage
- stable source temperature
- decreasing activity (gas mouse)

Spectral analysis

- no unexpected features in the data
- region around the endpoint shows good agreement with models
- data with design injection stability is taken this week
- systematics will be addressed in autumn this year
- statistics will be addressed in runs with increased tritium purity

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