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Background analysis in a one tonne-year dark matter search of XENON1T

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The XENON collaboration has completed a search for WIMP-nucleon Spin-Independent elastic scattering using a one tonne-year exposure of XENON1T detector. The XENON1T experiment has an electronic recoil background of ~ 0.2 events/(tonne-day-keVee), the lowest ever achieved in any dark matter search experiments. This talk will describe the background modeling performed in this WIMPs search analysis.

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