Abstract Submitted
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The DCTPC Fast Neutron Detector MARJON MOULAI, MIT — The Double Chooz Time Projection Chamber (DCTPC) project employs a set of directional fast neutron detectors that measure background neutron production at the Double Chooz reactor-based neutrino oscillation experiment's near (120 mwe) and far (300 mwe) halls. The DCTPC detectors are used to study the relationship between fast neutron production and rainfall, and will provide valuable neutron measurements as a function of depth, direction, and energy. I will present the latest results from the 60 liter DCTPC detector and discuss future opportunities with the device.

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