

# **DARWIN - A Low-Background, Low-Threshold Astroparticle Physics Observatory**

*Monday 10 May 2021 13:30 (20 minutes)*

I will present the science case and the status of DARWIN, a liquid xenon time projection chamber (TPC) with a target mass of ~40 t. It will be sensitive to WIMP dark matter interactions down to the neutrino floor, the double beta decay of Xe-136, will allow for a precision measurement of low energy solar neutrinos, and will be sensitive to many other rare processes as well

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**Session Classification:** Dark Matter Searches