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Type: **Presentation**

ET studies on Cryogenics and Vacuum for the Einstein Telescope detector.

Friday, 26 May 2023 16:00 (15 minutes)

We will reassert the scientific reasons for using cryogenics to increase the sensitivity of low-frequency ET, we will focus on studies related to the structure of cryogenic payload and superfluid helium cryostat, in addition to studies on cryo-pumps to be used in ET. We will conclude by presenting a brief review of cryogenic facilities under development at the various laboratories of international collaboration.

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