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C4Or1B-04: [Invited] Cryocooler Technology Developments at NASA

Thursday 22 May 2025 10:15 (15 minutes)

NASA is developing technologies for long duration missions utilizing cryogenic propellants. Zero boil-off storage is necessary to achieve human exploration missions to Mars. Active cooling will enable these missions. Current and future cryocooler technology development efforts will be presented for storage of Liquid Hydrogen, Oxygen, and Methane.

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Session Classification: C4Or1B - [Special Session] NASA's Cryogenic Fluids for Aerospace Propulsion Applications