

Quantum science and precision measurements in space- Fundamental Physics Program in NASA and at JPL

The Biological and Physical Science (BPS) division is the newest addition to the NASA Science Mission Directorate (SMD). The BPS mission is to “enable exploration by expanding the frontiers of knowledge, capability, and opportunity in space, and pioneer scientific discovery in and beyond Low Earth Orbit to drive advances in science, technology, and space exploration to enhance knowledge, education, innovation, and economic vitality.” Within the physical sciences, Fundamental Physics

(FP) is a key part of the BPS and Physical Science. FP focuses on leveraging the unique environment of space and microgravity to deepen our comprehension of the fundamental laws of physics. The Jet Propulsion Laboratory (JPL) serves as the NASA center responsible for the FP program, housing the Fundamental Physics Office and supporting the implementation of major flight missions and ground research related to fundamental physics.

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