

Abstract Submitted
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Unique Perspective of High-energy Astrophysical Systems Offered by Future MeV Polarization Observations TONIA VENTERS, NASA
— Polarization measurements at MeV energies would provide a complementary probe into the nature of high-energy astrophysical sources. For instance, polarization measurements would provide a diagnostic for distinguishing among various emission models in gamma-ray sources such as supernova remnants, blazars, GRBs, and starburst galaxies. Polarization measurements will also provide the capability to probe jet geometries and magnetic fields in high-energy astrophysical sources. In this talk, I will discuss examples of the science space that would be opened up by performing polarization measurements at MeV energies.

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