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Abstract for an Invited Paper for the TSF14 Meeting of the American Physical Society

Measuring Dark Energy in the Universe

DARREN DEPOY, Texas AM University

Dark Energy is the major component of the Universe and the one we understand least. Parameters that characterize dark energy can be determined by measuring the distribution of matter in the Universe and I will describe how those measurements are made. I will also describe on-going and future projects to constrain the nature of dark energy.