

ISAPP 2012

Exotic Physics: Dark Matter and Dark Energy

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Ninety-five percent of the present mass-energy density of the Universe is dark. About 25% is in the form of dark matter and 70% in the form of dark energy. In the lectures I will describe the observation evidence for dark matter and dark energy, review possible explanations for dark matter and dark energy, and discuss the prospects for understanding the nature of dark matter and dark energy.