

Dark Energy Observations

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Abstract: The primary aims of dark energy research over the coming decade are to address the following questions: is cosmic acceleration due to dark energy or modified gravity? If dark energy, is it consistent with vacuum energy or something else? I will overview the complementary probes of cosmic acceleration that would be the major components of a ground + space-based dark energy program to address these questions and will highlight their implementation in near- and longer-term projects. A particular focus will be the complementarity of ground- and space-based approaches.