

Reveal the origin and fate of the Universe

— elucidate the nature of dark matter

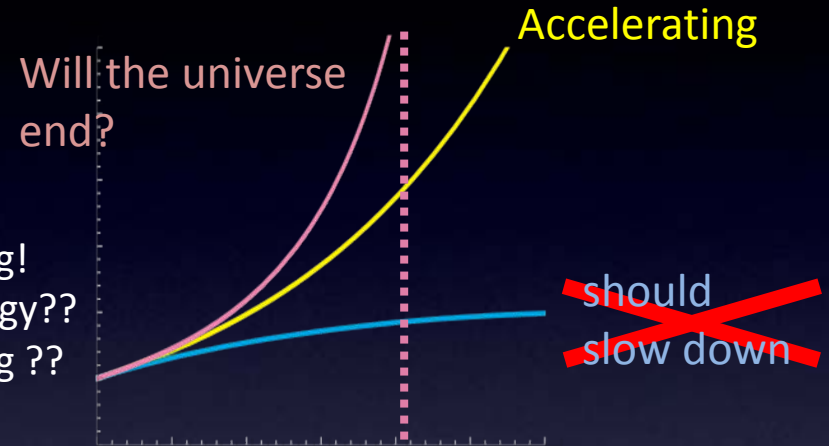
and dark energy via imaging and spectroscopy —

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How did the Universe begin?
What is it made of?
What is its fate?

- Energy is increasing!
=> dark energy??
- Was Einstein wrong ??



- Japan is behind in this area
- measure the rate of acceleration
- about 100 million galaxies
- precision imaging of galaxy shapes
=> world class
- multi-object wide field spectrograph to measure distances => world leading!
- push the Japanese technology in precision control, optics, detectors, materials