

JOINT TUFTS/MIT COSMOLOGY SEMINAR

The Acceleration of the Universe and Dark Energy Properties as Functions of Redshift

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The expansion and acceleration histories of the universe and the properties of the dark energy as functions of redshift from a redshift of zero to about 1.5 obtained with recently published data will be presented and discussed. The acceleration and expansion histories, obtained independent of a theory of gravity and the contents of the universe, will be compared with theoretical predictions obtained in the context of GR. The properties of the dark energy such as the pressure, energy density, equation of state, kinetic energy density, and potential energy density obtained as functions of redshift in the context of GR will also be presented and discussed.

Tuesday, April 17, 2018, 2:30 pm
574 Boston Ave, Room 310
Tufts University

Refreshments at 2:00 outside room 304