



PHYSICS AND ASTRONOMY SEMINAR

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“Gravitational redshifts and other relativistic effects in clusters, galaxies and lenses”

Abstract

Large surveys of galaxy redshifts are providing the opportunities to extract the exotic effects such as gravitational redshifts in clusters of galaxies. Before such signals are used to test alternative gravity theories, other relativistic effects of comparable amplitudes must also be taken into account. I discuss recent N-body simulations of such effects.

Strategies to detect these relativistic effects as well as a related moving cluster effect in strong lensing are also discussed.

Thursday, September 06, 2018

11:00 a.m.

DSB – Room C128