

Cosmic Dust as Dark Matter

Authors : Thomas Prevenslik

Abstract : Weakly Interacting Massive Particle (WIMP) experiments suggesting dark matter does not exist are consistent with the argument that the long-standing galaxy rotation problem may be resolved without the need for dark matter if the redshift measurements giving the higher than expected galaxy velocities are corrected for the redshift in cosmic dust. Because of the ubiquity of cosmic dust, all velocity measurements in astronomy based on redshift are most likely overstated, e.g., an accelerating Universe expansion need not exist if data showing supernovae brighter than expected based on the redshift/distance relation is corrected for the redshift in dust. Extensions of redshift corrections for cosmic dust to other historical astronomical observations are briefly discussed.

Keywords : alternative theories, cosmic dust redshift, doppler effect, quantum mechanics, quantum electrodynamics

Conference Title : ICPCDM 2017 : International Conference on Physical Cosmology and Dark Matter

Conference Location : Paris, France

Conference Dates : June 25-26, 2017