



PHYSICS AND ASTRONOMY COLLOQUIUM

Dr. Leslie Rosenberg

Department of Physics, University of Washington

“Searching For Dark-Matter Axions”

Abstract

The axion is a hypothetical elementary particle whose existence would explain the baffling absence of CP violation in the strong interactions. Axions also happen to be a compelling dark-matter candidate. Even if dark-matter axions were to comprise the overwhelming majority of mass in the universe, they would be extraordinarily difficult to detect. However, several experiments, either under construction or in operation, would be sensitive to even the more pessimistically coupled axions. This talk describes the state of these searches.

Wednesday, November 25, 2015

3:00 p.m.

Elliott Building

Room 167