



Contribution ID: 31

Type: **not specified**

The Coincidence Problem in a Phantom Cyclic Model of the Universe

Tuesday, April 19, 2011 6:00 PM (15 minutes)

In a phantom dark energy model, the energy density increases with the expansion of the Universe, allowing it to go through standard cycles of radiation/matter domination, followed by a dark energy/inflationary phase. There is a period in each cycle where the dark energy and matter densities are comparable. Since the cycles repeat infinitely, the Universe spends a substantial portion of its lifetime in such a state; this significantly ameliorates the coincidence problem.

Primary authors: Ms CHANG, Hui-Yiing (Vanderbilt University); Dr SCHERRER, Robert (Vanderbilt University)

Presenter: Ms CHANG, Hui-Yiing (Vanderbilt University)

Session Classification: Contributed Talks