

Abstract Submitted  
for the OSF09 Meeting of  
The American Physical Society

**DM/DE revealed: The physical origin of Lambda-CDM** JAMES BEICHLER, Semi-retired — In the past few decades two new ‘crises’ affecting fundamental physics have emerged in the observation of phenomena that indicate the existence of Dark Matter and Dark Energy. These are not problems which can be solved by quantum theory or particles, but rather problems that are related to gravity theory as expressed by the general theory of relativity. Numerous ideas and hypotheses have been suggested to explain these new problematic phenomena, but no particular hypothesis or resulting model has proven satisfactory. No model yet proposed seems to be able to explain either DM and DE or both even though theoretical physicists generally agree that the two should have a single common explanation. There is, however, one relatively unknown exception that can explain both DM and DE without any additional hypotheses and this model explains the physical origins of the Lambda-CDM term that others have already proposed adding to general relativity. Yet this new model is not without consequences for the rest of physics and science: Accepting this new model would mean acknowledging the existence of a higher space-like dimension in addition to our normal four-dimensions of space-time.

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Date submitted: 16 Sep 2009

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