

VARYING PHYSICAL CONSTANT COSMOLOGIES AND THE ANTHROPIC PRINCIPLES

Mariusz P. Dąbrowski

In my talk I will discuss the roots of the idea of varying physical constants cosmologies and its realization in specific models of particle physics. I will also show some anthropic coincidences which limit variability of physical constants in our piece of the universe and make an appeal to the concept of a multiverse in which these coincidences do not necessarily appear.