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Varying constants quantum cosmology

Monday 12 September 2016 17:10 (30 minutes)

In the talk I will focus on quantum cosmology minisuperspace models based on the Wheeler–DeWitt equation which apart from standard matter and 3-geometry configuration degrees of freedom allow those related to the variability of physical constants –varying speed of light (VSL) c and varying gravitational constant G. The probability of tunneling of the universe "from nothing"to the Friedmann phase will be discussed and its dependence on these extra degrees of freedom and on the matter content.

Summary

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