

Physical Predictions in the Quantum Multiverse

Thursday 18 August 2011 15:00 (20 minutes)

I describe how quantum mechanics plays a crucial role in defining probabilities (the “measure”) in the multiverse, and how the eternally inflating multiverse leads to dramatic change of our view on spacetime and gravity. The latest result on the distribution of the cosmological constant is also presented. The talk is based mainly on arXiv:1104.2324 (but also arXiv:1107.3556).

Presenter: NOMURA, Yasunori