KEK Theory Meeting on Particle Physics Phenomenology (KEK-PH2018 winter) and 3rd KIAS-NCTS-KEK workshop on Particle Physics Phenomenology

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Vacuum decay rates in the standard model and beyond

Tuesday, 4 December 2018 15:30 (15 minutes)

The electroweak vacuum is not absolutely stable in the standard model and various models beyond the standard model. This is due to an appearance of another deeper vacuum, into which the electroweak vacuum can decay. We have performed one-loop calculations of the decay rates in various models including the standard model. In this talk, I explain current status of our analysis on models beyond the standard model.

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