

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

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## Lower Bound on the Bounce Action

*Tuesday, 4 December 2018 15:45 (15 minutes)*

To calculate lifetime of false vacuum, we have to estimate bounce action. We derive a lower bound on the bounce action without solving equation of motion of scalar field explicitly. This technique is useful to analyze models with large number of scalar fields.

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**Session Classification:** Parallel Session 2