

Whispers from the Dark Universe - Particles & Fields in the Gravitational Wave Era

CLUSTER OF EXCELLENCE
QUANTUM UNIVERSE

DESY THEORY WORKSHOP

WHISPERS FROM THE DARK UNIVERSE – PARTICLES & FIELDS IN THE GRAVITATIONAL WAVE ERA

HELMHOLTZ

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Functional Renormalization Approach to Baryogenesis.

Wednesday 25 September 2024 17:00 (15 minutes)

Analysing Baryogenesis and employing techniques from Non-Equilibrium QFT and integrating them with Functional Renormalization, we demonstrate and calculate key quantities such as the Matter-Antimatter asymmetry and thermal masses and widths. This combination also allows us to re-examine the Sakharov conditions. Moreover, we elucidate the interconnections between various common methodologies.

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