

# The XXIX International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2022)



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## Ising Universe

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We consider a real scalar field in de Sitter background and compute its thermal propagators. We propose that non-trivial thermal effects in the  $|\text{out}\rangle$  vacuum can be encoded in the anomalous dimensions of the  $d = 3$  Ising model. One of these anomalous dimensions, the critical exponent  $\eta$ , fixes completely a number of cosmological observables, which we compute.

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