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Computation of the Kugo-Ojima function from lattice simulations

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We compute the Kugo-Ojima function $u(q^2)$ using large lattice volume simulations, study the volume dependence, and compare with analytical results from Schwinger-Dyson equations. Special attention is given to the infrared behaviour of $u(q^2)$ and the connection with confinement criteria.

Topical area

Vacuum Structure and Confinement

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