ID de Contribution: **20**   Type: **Non spécifié**

Renormalization Group Methods for Quantum Spin Glasses

vendredi 21 novembre 2025 16:00 (50 minutes)

In this talk we study the dynamics of a quantum p-spin glass. For this purpose a nonperturbative renormalization group approach based on Wetterich-Morris formalism is adopted with two approximation schemes to address the model's non-locality, arising from the replica trick. The model is investigated in the symmetric and symmetry-broken phases. Finally, the results are briefly compared with previous results on 2+p spin glasses based on a less conventional coarse-graining scheme.

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