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OF CONDENSED MATTER PHYSICS  
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## **PARTITION FUNCTIONS OF NON-ABELIAN QUANTUM HALL STATES**

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Abstract:

I present a general method to obtain the partition functions of edge excitations for non-Abelian Hall states and derive the most important cases. I then discuss the use of partition functions for describing experiments of Coulomb blockade and thermopower, and for determining entanglement entropies.