

# PHYSICS WITHOUT FRONTIERS NEPAL

## SCHOOL ON TENSOR NETWORKS FOR QUANTUM MANY-BODY SYSTEMS

Central department of physics  
Tribhuvan University  
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EVENT PAGE

<https://indico.ictp.it/event/11292/>



REGISTRATION

<https://tinyurl.com/ms74ne42>

### TOPICS

- INTRODUCTION TO TENSORS AND TENSOR NETWORKS, MATRIX PRODUCT STATE, MATRIX PRODUCT OPERATOR
- DENSITY MATRIX RENORMALIZATION GROUP
- TIME-EVOLVING BLOCK-DECIMATION, TIME-DEPENDENT VARIATIONAL PRINCIPLE
- INTRODUCTION TO QUANTUM COMPUTATION AND QUANTUM INFORMATION

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