

TUM MATHEMATIK INFORMATIK

# IAMP - EMS Summer School

## in Mathematical Physics 2020

Quantum information in many-body physics: a mathematical invitation

### Lecturers

- Fernando Brandão (Caltech)
- David Pérez García (Madrid)
- Bruno Nachtergaele (UC Davis)
- Reinhard Werner (Hannover)

### Registration

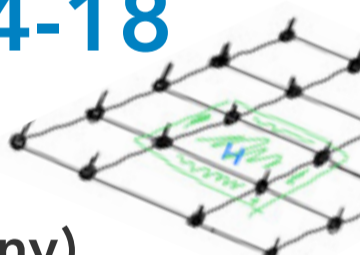
[www.kurzelinks.de/qimp20](http://www.kurzelinks.de/qimp20)  
[QIMP20@ma.tum.de](mailto:QIMP20@ma.tum.de)



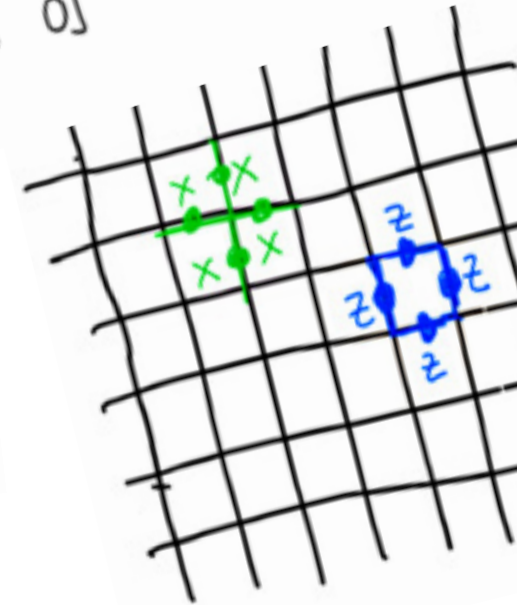
### September 14-18

### Venue

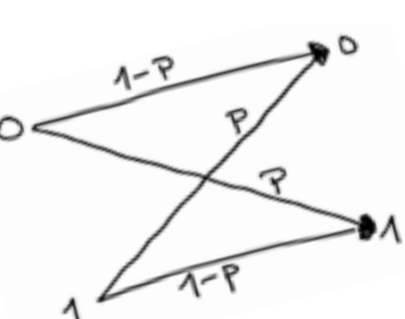
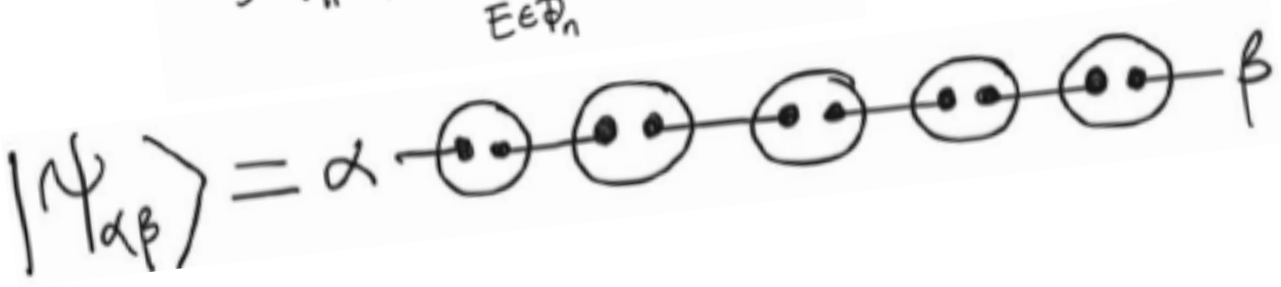
TUM, Munich (Germany)  
 Boltzmannstraße 3  
 85748 Garching  
 MI lecture hall 3



$$X = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix} \quad Y = \begin{bmatrix} 0 & -i \\ i & 0 \end{bmatrix} \quad Z = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$$



$$\mathcal{N}_\pi(p) = \sum_{E \in \mathcal{P}_n} \pi(E) E p E^*$$



European Mathematical Society

