Graz Advanced School of Science
PHYSICS COLLOQUIUM OF THE UNIVERSITY OF GRAZ AND
THE GRAZ UNIVERSITY OF TECHNOLOGY

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Optical quantum computing

Quantum computing can be realized with numerous different hardware platforms and using different computational protocols. One highly promising strategy to foster scalability is to use a photonic platform combined with a measurement-induced quantum processing protocol where the computational gates are realized through optical measurements on a multi-partite entangled state. In this talk I will discuss our progress towards the construction of a universal and fault-tolerant measurement-based optical quantum computer.

Date: Tuesday, 12 October 16:15
Location: https://us02web.zoom.us/j/84543422155
Host: Peter Banzer, KFU

For a regularly updated colloquium program see: https://www.if.tugraz.at/colloquium.html