



Giovedì 28 novembre 2019
Ore 15:00 - Aula "A. Rostagni"

Prof. Tommaso Calarco

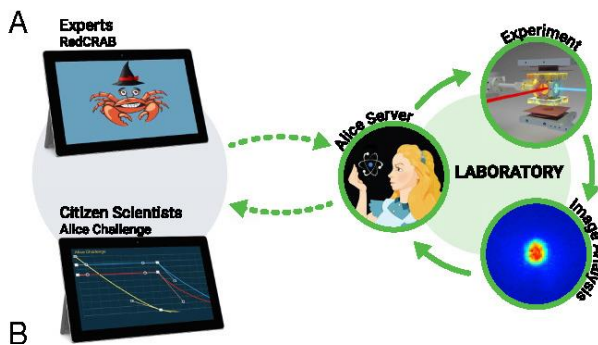
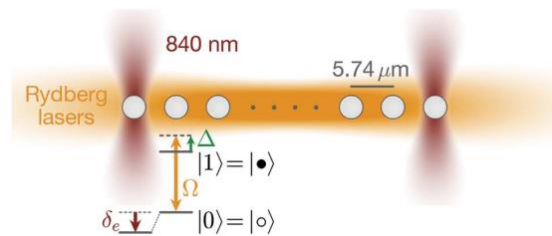
Institute Theoretical Physics, University of Cologne
&

Institute for Quantum Control of the Peter Grünberg Institute, Jülich Germany

The world's fattest Schrödinger cat

Quantum optimal control enables efficient preparation of nonclassical states in many-body systems.

Our new RedCRAB algorithm allows this to take place over an internet connection between the experiment and the optimisation server.



I will report the application of this method to an online competition among human "gamers", as well as the creation of the largest entangled state to date (20 qubit in a GHz state).



C
O
L
L
O
Q
U
I
U
M
D
F
A