



CEFIPRA LECTURE SERIES

Public Lecture

on

Quantum Science with Rydberg Atoms

by

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Nobel Laureate in Physics



Abstract

The exaggerated properties of Rydberg atoms (enormous sizes, very long life times..) make them extremely sensitive to their environment. These giant atoms can be prepared and manipulated by laser excitation with an exquisite precision. They interact very strongly with microwave photons and between each other, at distances which are huge at the atomic scale. These features make them ideal tools to explore fundamental quantum phenomena, to build quantum gates and to realize quantum simulators of condensed matter systems.



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5:00 PM Onwards



Prof. B. Nag Auditorium,
VMCC

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