



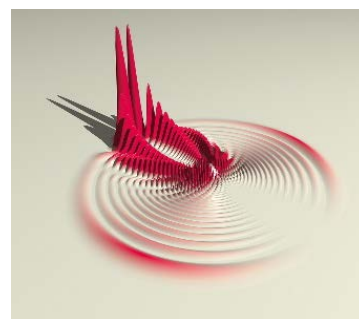
Seminar of chemical physics

Speaker: **Chris H. Greene**

Purdue University, Indiana

Lecture: **Recent breakthroughs with Efimov and Rydberg physics**

Experimental capabilities with ultracold few-body systems continue to advance rapidly in a number of contexts. This talk will highlight two recent developments. First, the observation of butterfly Rydberg molecules with kilodebye dipole moments (H. Ott's group) opens the door to the possibility of observing interesting blockaded phases in one dimension. Second, experimental observations of heavy-heavy-light Efimov physics in a mixture of Cs and Li atoms (M. Weidemüller's and C. Chin's groups) have sparked in-depth theoretical studies that suggest intriguing new regimes where interference minima compete and intertwine with resonances in recombination.



*Trilobite Rydberg dimer. Adapted from Nature Physics **11**, 382.*

Date: Friday, 21/04/2017, 10:30

Venue: J. Heyrovský Institute of Physical Chemistry, ASCR, 2nd floor, 108
(Dolejšková 3, 18223 Prague 8)