

# PHAS Colloquium: Nuclear Lattice Simulations

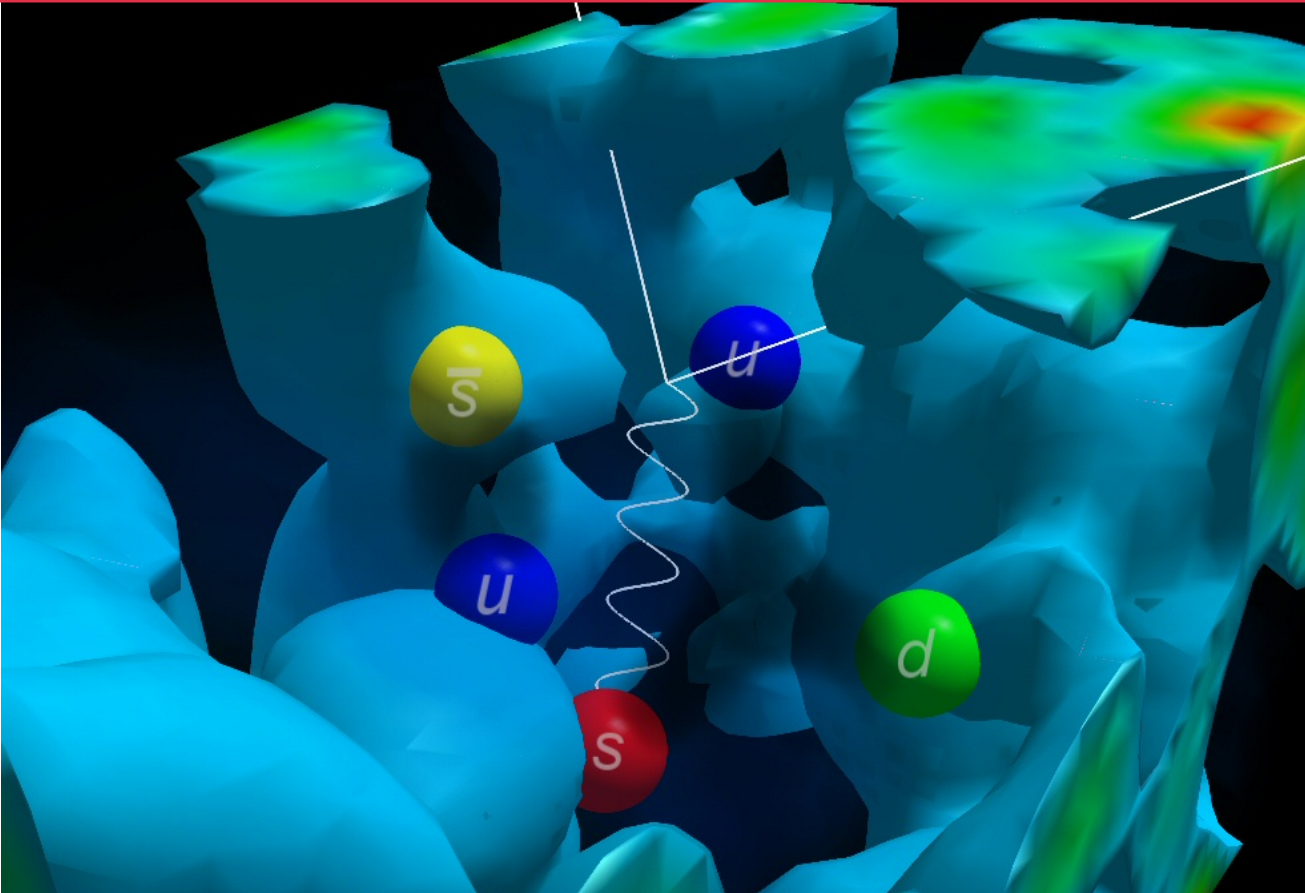
## ABSTRACT

Our collaboration uses lattice simulations to study atomic nuclei and quantum many-body systems. In this talk, I first present the key theoretical concepts and then discuss several new computational algorithms we have developed to probe nuclear structure, reactions, many-body correlations, and thermodynamics.

Image Description: simulation of electron scattering within a proton.

Image Credit: Derek B. Leinweber

Poster Designed By: Neil McCall  
(neiltmcl@my.yorku.ca)



**DATE:** December 4<sup>th</sup>, 2018

**TIME:** 2:30 PM

**LOCATION:** PSE 317

**SPEAKER**

Dean Lee

Michigan State University

**THERE WILL  
BE SNACKS**

**ALL ARE WELCOME**