



**Type:** Renewal  
**Title:** "Nuclear Structure and Nuclear Reactions"

**Principal Investigator:** James Vary, Iowa State University  
**Co-Investigator:** Joseph Carlson, Los Alamos National Laboratory  
Gaute Hagen, Oak Ridge National Laboratory  
Pieter Maris, Iowa State University  
Hai Ah Nam, Oak Ridge National Laboratory  
Petr Navratil, TRIUMF  
Witold Nazarewicz, University of Tennessee, Knoxville  
Steven Pieper, Argonne National Laboratory  
Nicolas Schunck, Lawrence Livermore National Laboratory

**Scientific Discipline:** Physics: Nuclear Physics

**INCITE Allocation:** **204,000,000 processor hours**  
**Site:** Argonne National Laboratory  
**Machine (Allocation):** IBM Blue Gene/Q (100,000,000 processor hours)  
**Site:** Oak Ridge National Laboratory  
**Machine (Allocation):** Cray XK7 (104,000,000 processor hours)

2015 Top awards by size of award  
Rank and millions of cpu hours

1. 280 – Lattice QCD
2. 270 – Plasma Physics
- 3. 204 – Nuclear Physics**
4. (tie) 200 – Quantum Chemistry
4. (tie) 200 – Climate Science

+ 51 more awards