

# Jun 5, 2023, Monday (ALL DAY)

Opening: 8:00 am-8:30 am

RM5-1006

zoom:83600789617 PW:133578

**Invited Talks (Morning Session),** Chair: Furong Xu (Peking University)

1. (8:30 am-9:00 am) **James P. Vary**, Iowa State University, ["Nuclear structure across decades of resolution"](#)
2. (9:00 am-9:30 am) **Jerry Draayer**, Louisiana State University, ["Looking Backward & Leaning Forward \(Technology's Impact on Nuclear Structure Physics\)"](#)
3. (9:30 am-10:00 am) **Mark Caprio**, University of Notre Dame, ["Nuclear rotation and shape coexistence from first principles"](#)

Photos & Coffee Break (10:00 am-10:15 am)

4. (10:15 am-10:45 am) **Guangyao Chen**, Jacksonville University, ["Diffractive Production of Vector Mesons: A BLFQ Perspective"](#)
5. (10:45 am-11:15 am) **Petr Navratil**, TRIUMF, ["From ab initio no-core shell model to a unified approach to nuclear structure and reactions"](#)
6. (11:15 am-11:45 am) **Stanley Brodsky**, Stanford University, ["Light-Front Holographic OCD and Basis Light-Front Quantization"](#)
7. (11:45 am-12:15 pm) **Youngman Kim**, Center for Exotic Nuclear Studies, Institute for Basic Science, ["Daejeon 16 interaction"](#)

**Invited Talks (Afternoon Session),** Chair: James P. Vary (Iowa State University)

8. (2:00 pm-2:30 pm) **Evgeny Epelbaum**, Ruhr-Universität Bochum, ["Nuclear chiral interactions: Recent developments"](#)
9. (2:30 pm-3:00 pm) **Roman Skibiński**, Jagiellonian University, ["Towards accurate nuclear interaction - recent works in three-nucleon sector"](#)
10. (3:00 pm-3:30 pm) **Calvin W. Johnson**, San Diego State University, ["Successes and challenges of the no-core shell model"](#)
11. (3:30 pm-4:00 pm) **Alexander Mazur**, Pacific National University, ["Extrapolation of NCSM results using machine learning and artificial neural networks"](#)

Coffee Break (4:00 pm-4:15 pm)

12. (4:15 pm-4:45 pm) **Pieter Maris**, Iowa State University, ["High-Performance Computing for Nuclear Physics"](#)
13. (4:45 pm-5:15 pm) **Yang Li**, University of Science and Technology of China, ["Big problems, Big computers and a Big man: Ab initio hadron physics with basis light-front quantization"](#)
14. (5:15 pm-5:45 pm) **Furong Xu**, Peking University, ["Ab initio many-body perturbation theory for atomic nuclei"](#)