

## Physics Division Seminar

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### **Few Nucleons and Other Stories**

Host: Kevin Fosse

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**Monday, March 9, 2020 – 203, R150, 3:30 PM**

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**Nuclear physics is connected to many different areas of physics, spanning arcs from particle physics all the way to astronomy. A solid understanding of nuclear systems from first principles is therefore of universal importance. While modern nuclear ab initio calculations set out to conquer the chart of nuclides, there are still plenty of reasons to look in detail at the few-nucleon sector. These reasons range from fundamental issues regarding the construction of nuclear effective field theories to exciting open questions concerning the possible existence of few-neutron resonance states. In this talk, I will give an overview of recent and ongoing developments along these lines, highlighting their connection as well as their broader relevance.**