

MAKING THE MOST OF IT...

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4:00 P.M. NSH 124

Many major challenges of contemporary nuclear science are associated with studies of the most exotic nuclei accessible. These studies aim at answering the most basic questions concerning physics of nuclei, like where are the limits of stability and what are the properties of nuclei at these limits. They are also tremendously important for interdisciplinary and applied sciences such as nuclear astrophysics and nuclear energy. The experimental methods used to explore the properties of nuclear decays are often at the forefront of the studies far from stability, owing to their extreme sensitivities. I will present selected achievements from the research at the Holifield Radioactive Ion Beam Facility, which changed conventional wisdom not only on nuclear structure at the limits of known nuclei, but which also impacted our understanding of nucleosynthetic processes on both sides of the path of stability.

**Nuclear
Seminar**

**All interested
persons are
cordially
invited to
attend.**