

PHYSICS AND ASTRONOMY COLLOQUIUM

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Lattice Effective Field Theory applied to Nuclear Physics

Lattice effective field theory combines the framework of effective field theory with computational lattice methods. I discuss several recent results by the Nuclear Lattice Effective Field Theory Collaboration. Some of the topics I will cover are the quark mass dependence of carbon production in red giant stars, the structure of oxygen-16, and ab initio simulations of medium-mass nuclei.



THURSDAY, APRIL 24, 2014 | 4:00 PM | HAWKING AUDITORIUM



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