

Abstract for an Invited Paper  
for the DNP10 Meeting of  
The American Physical Society

### **Excited State Spectroscopy from Lattice QCD**

ROBERT EDWARDS, Jefferson Lab

There has been a resurgence of interest in spectroscopy with a new generation of experiments that are starting worldwide, for example BES III, GSI/Panda, and Jefferson Lab's GlueX project as well as CLAS12. Spectroscopy reveals fundamental aspects of hadronic physics. However, the excited spectrum of light quark mesons and baryons is not well determined nor understood. Lattice QCD is quite amenable to such non-perturbative studies, but there are many challenges. I will report on some recent progress that has been made in determining the highly excited spectrum of QCD, and point out challenges for future work.