Exclusive hadronic decays of electroweak bosons provide a novel way to probe the QCD factorization approach. In this framework, the decay amplitude is given as an expansion in the ratio of the hadronic scale and the hard scattering scale. While previous applications of the formalism suffer from large power correction uncertainties, the very high scale (set by the heavy decaying bosons) renders power-corrections tiny and negligible in our case.

I will discuss the decays of $Z$, $W$, $h \to M + \Gamma$ at NLO as tests of the QCD factorization approach as well as possible probes for new physics in the Higgs sector.

**Wednesday, Sept. 9, 2015**
**2:00pm**
**401 Physical Sciences Building**