The Virginia Tech Physics Department presents the following colloquium:

Prof. Thomas Mehen (Duke University)

"QCD, Effective Field Theory, and Charmed Hadrons"

Friday, November 17

2:30 P.M.

210 Robeson Hall

I will begin with a brief review of QCD, the theory of the strong interactions, and describe the basic ideas underlying the effective field theory approach to QCD phenomenology then describe applications of these methods to topical problems in the physics of hadrons containing charmed quarks. These include the production of J/ψ in collider experiments, elucidating the nature of recently discovered excited charmed strange mesons, the physics of the X(3872), a charmed meson molecule, and doubly charmed baryons.