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The Virginia Tech Physics Department presents  
the following colloquium:

Prof. Mark Pitt (Virginia Tech Physics Department)

*“Probing Nucleon Strangeness and Testing  
the Standard Model”*

**Abstract:**

The technique of parity-violating electron scattering has been used in several major experiments at electron accelerators over the past decade. There are two important physics questions being addressed by these experiments. How important is the "sea" of strange quark/anti-quark pairs in the electric and magnetic properties of the proton? Is there any evidence of "new" physics beyond the Standard Model. This talk will describe two experiments (G0 and Qweak at Jefferson Lab) that are using parity-violating electron scattering to answer these questions.

Friday, October 20, 2006

210 Robeson Hall

2:30 P.M.