Abstract Submitted
for the DNP07 Meeting of
The American Physical Society

The FVTX upgrade detector at PHENIX HUBERT VAN HECKE, Los Alamos National Laboratory — A forward silicon detector is being designed for PHENIX. The device will cover pseudorapidities +-(1.2-2.4), matching the acceptence of the muon detectors, and is designed to greatly enhance the heavy-flavor phyics capabilities of the experiment. The FVTX will consist of two sets of four disks of silicon mini-strips, with a fast readout system that will allow input to the level-1 trigger. I will describe the proposed device, and show results from a prototype readout chain.

Hubert van Hecke
Los Alamos National Laboratory

Date submitted: 02 Jul 2007 Electronic form version 1.4