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Testing Scintillators for Homeland Security[1] JAMES BOURBEAU[2], University of Texas, Arlington, ANDREW BRANDT[3], RASOOL KENARANGUI[4], ALEX WEISS[5], WEI CHEN[6], UTA — Scintillating nanoparticles have a bright future in radiation detection, especially in the area of detecting nuclear devices. As part of a UTA nanoparticle scintillator development team funded by the Department of Homeland Security, I have been developing a scintillator test stand using various radioactive sources and a Hamamatsu S3590 photodiode. I will present initial test results.

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