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Title:THz Reflection spectroscopy of explosives measured by time domain spectroscopy

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Abstract:Reflection spectra of pure explosive materials and their simulants were measured in transmission and reflection by means of time domain spectroscopy in the range 0.1-3 THz. Spectra measured in two reflection configurations: specular with incident angle equal to 45° and stand-off with close to normal incidence and distance 30 and 40 cm to samples was analyzed.

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