Abstract Submitted
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Infrared properties of Sr(Fe,Ni)2As2 superconducting single crystals.[1] KEVIN KIRSHENBAUM , Center for Nanophysics and Advanced Materials, University of Maryland at College Park, A.B. SUSHKOV, MRSEC, University of Maryland at College Park, S.R. SAHA, N.P. BUTCH, J. PAGLIONE, H.D. DREW, Center for Nanophysics and Advanced Materials, University of Maryland at College Park — We report on temperature dependence of the bulk single crystal reflectivity and transmission of thin crystals of iron pnictides $Sr(Fe,Ni)_2As_2$ in the broad frequency range from far infrared to UV. We will discuss our data in comparison to results of other experiments and theory.

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