

Authors	Energy Range (eV)	Technique	Temperature (K) RT unless specified	Sample				Data Presentation	Remarks Sm
				Film	X-tal	Bulk	Prep		
FZG67	125-135	Trans		x				μ	absorption measurements
ZFG67	~50-500	Trans		x				μ	absorption measurements
HRS70	110-180	Trans		x			In	μ	absorption measurements with synchrotron radiation
KN70	1.13-3.96	Ellips				x	MP	$n, k, \sigma, \epsilon_1, \text{Im}(\epsilon^{-1})$	measurements taken with N ₂ gas
KN72	0.06-2.4	Ellips	80, 293, 460			x		n, k, σ, ϵ_1	
TC73	126-173			x				μ	energy loss spectroscopy
Kun75	50-550			x				μ	absorption measurements with synchrotron radiation
KN77									review paper
Liu77									review paper covering band structure, optical and photoemission properties
Tra77	18-36	Trans	vapor	x				μ	absorption measurements of metal vapor with synchrotron radiation

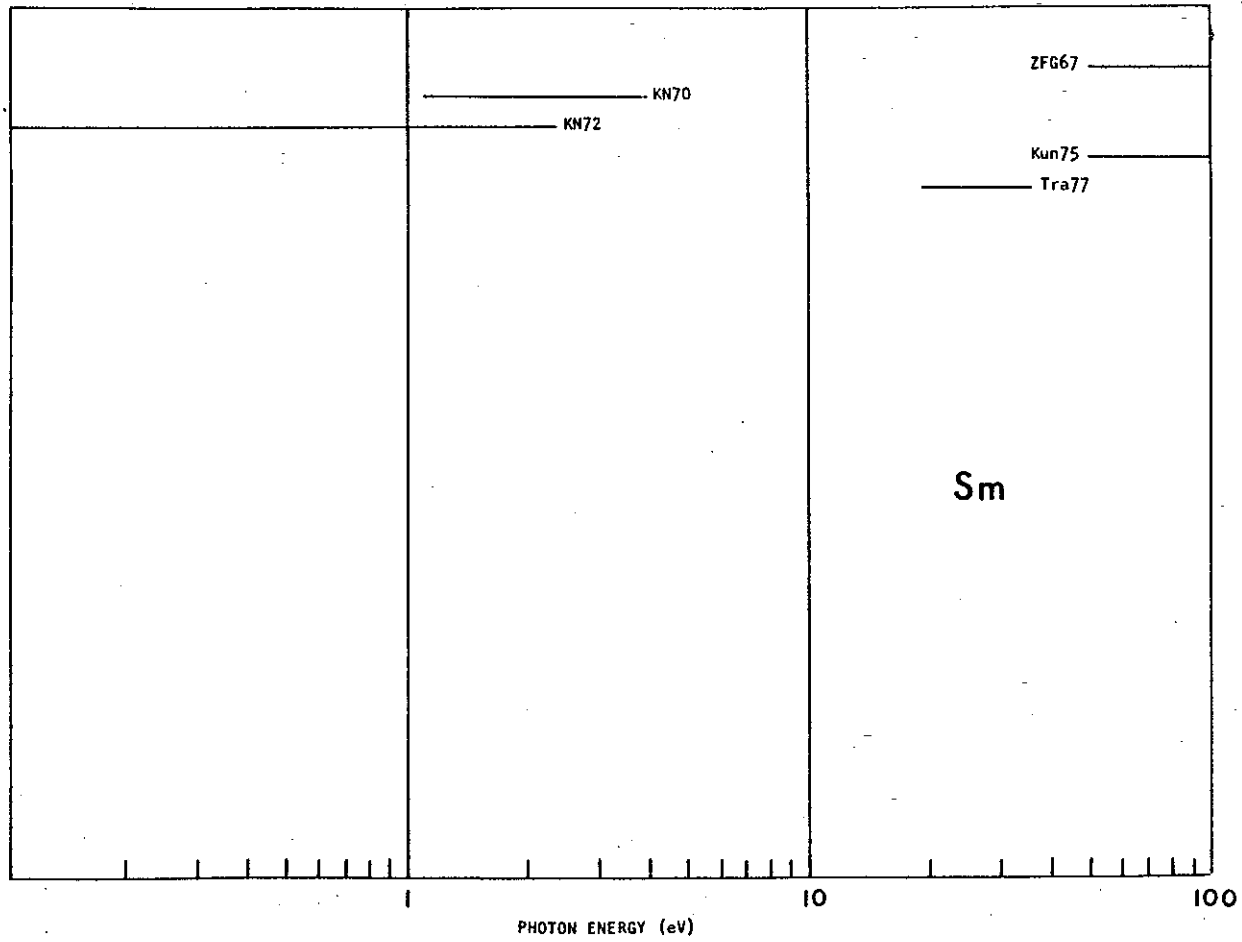


Fig. 46 Survey of available data on Sm.

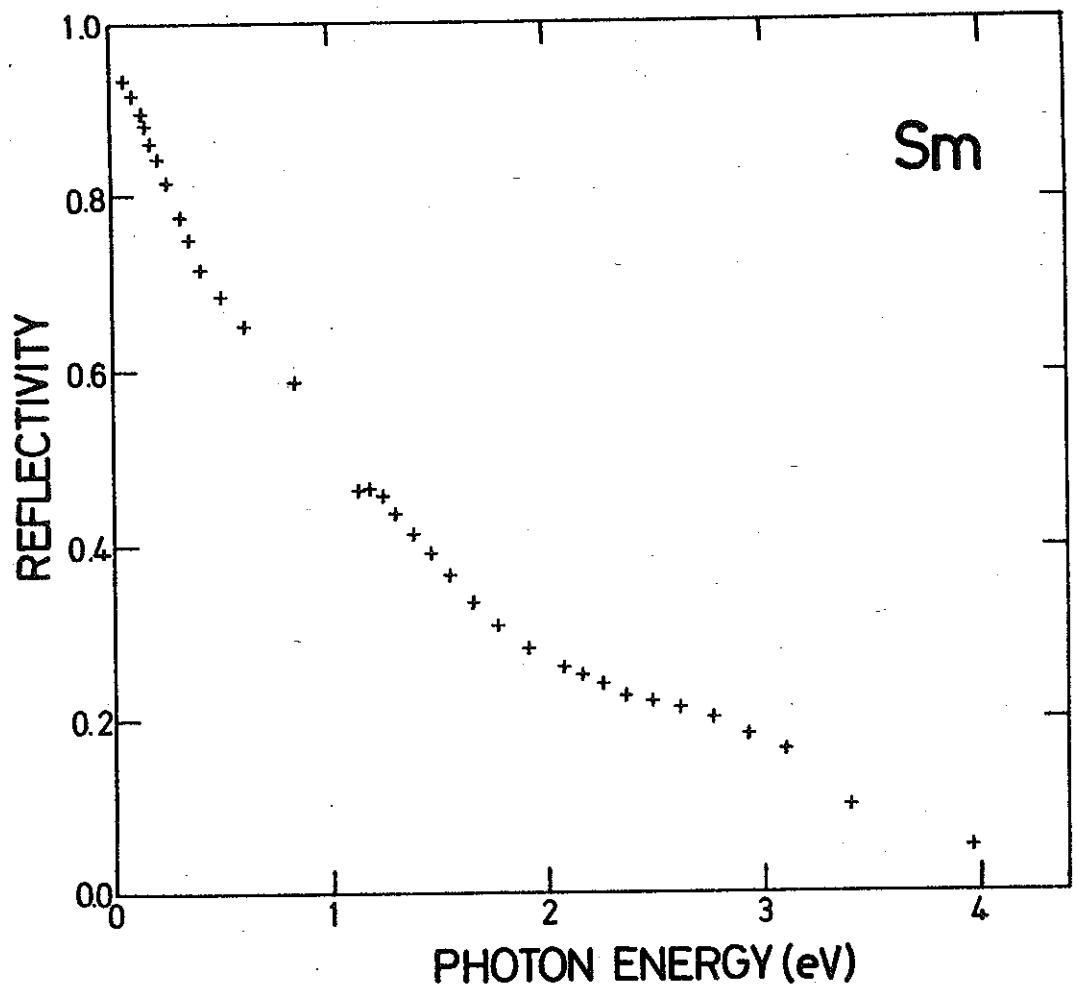


Fig. 47 Reflectivity of Sm. Polycrystalline results by KN70 and KN72.

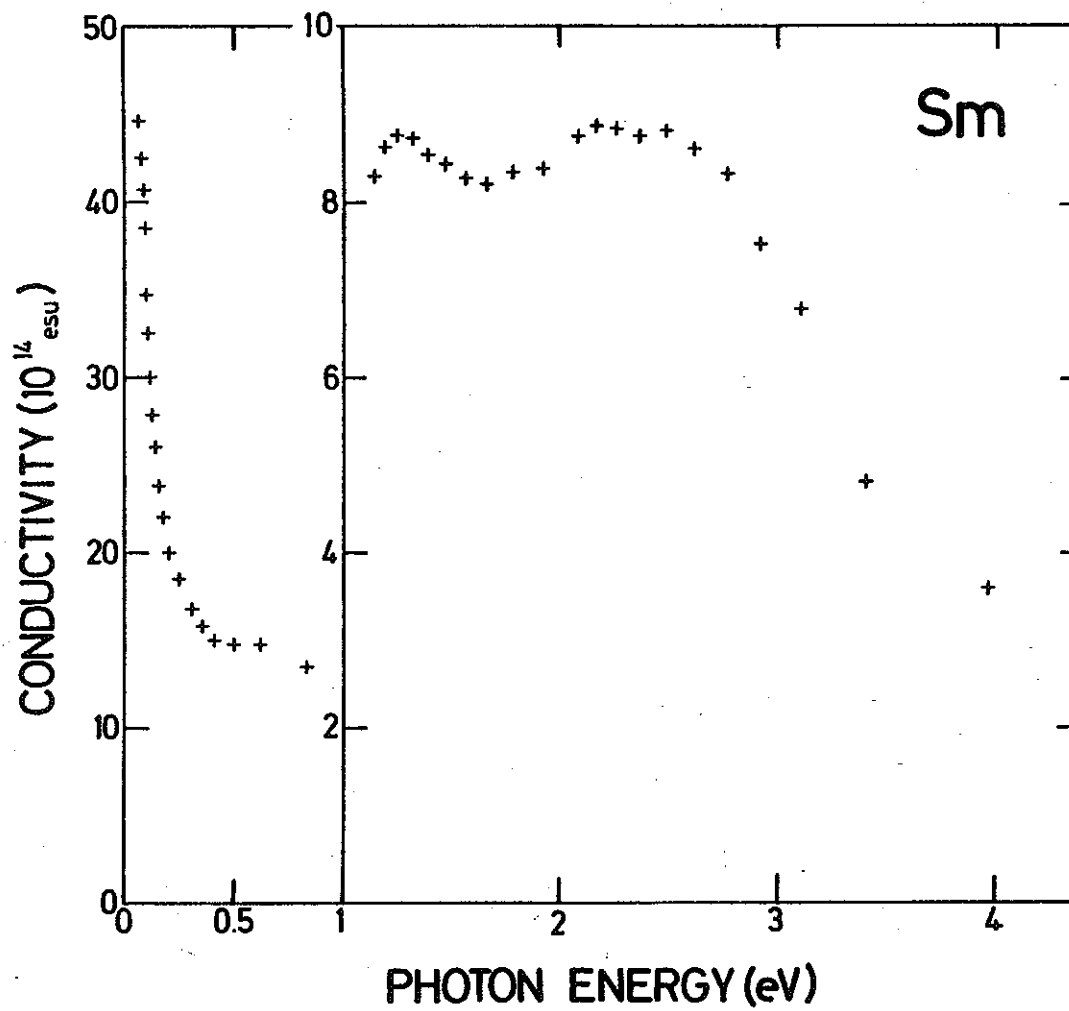


Fig. 48 Optical conductivity of Sm. Polycrystalline results by KN70 and KN72.

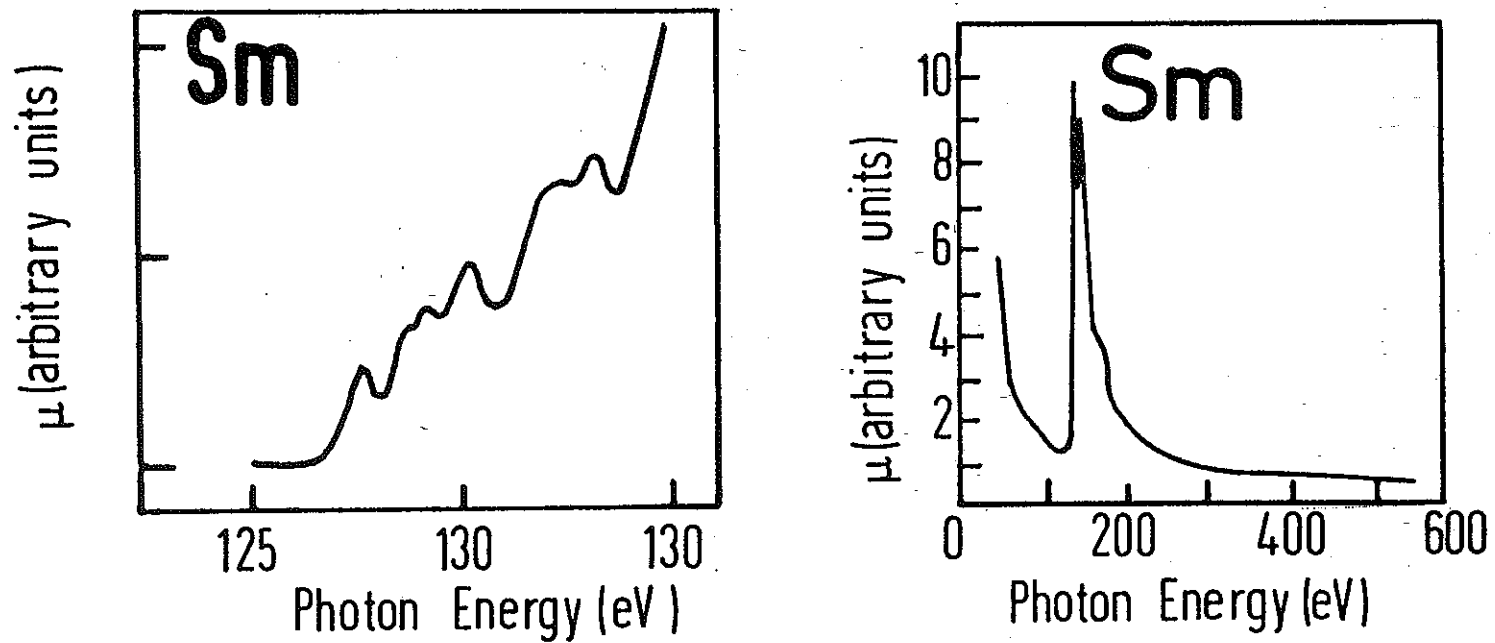


Fig. 49 Absorption coefficient of Sm. FZG67 show fine structure below the onset of the large maxima. Fine structure is interpolated by ZFG67 in the expanded energy range.