

Authors	Energy Range (eV)	Technique	Temperature (K) RT unless specified	Sample				Data Presentation	Remarks La
				Film	X-tal	Bulk	Prep		
FZG67	95-105			x				μ	absorption measurements
ZFG67	50-520	Trans							absorption measurements
MSB72	1.92		1073-1500					ϵ	emissivity of liquid La
ZTK72	0-50	Trans	1123	x				$\text{Im}(\epsilon^{-1})$	energy loss spectroscopy
KN73	1.13-4.42	Ellips				x	EP	n, k, σ	
BKS74	826-861			x				μ	absorption measurements
Kun75	50-550	Trans		x				μ	absorption measurements with synchrotron radiation
SIS75	100-160	Trans		x				μ	absorption measurements
BKB76	1.92		>1000			x	EP	ϵ_N	emissivity
KN77									review paper
Liu77									review paper covering band structure, optical and photoemission properties
We Unpl	0.2-4.2	Ref1	4.2			x	EP, Ex	A	absorptivity measured by calorimetry

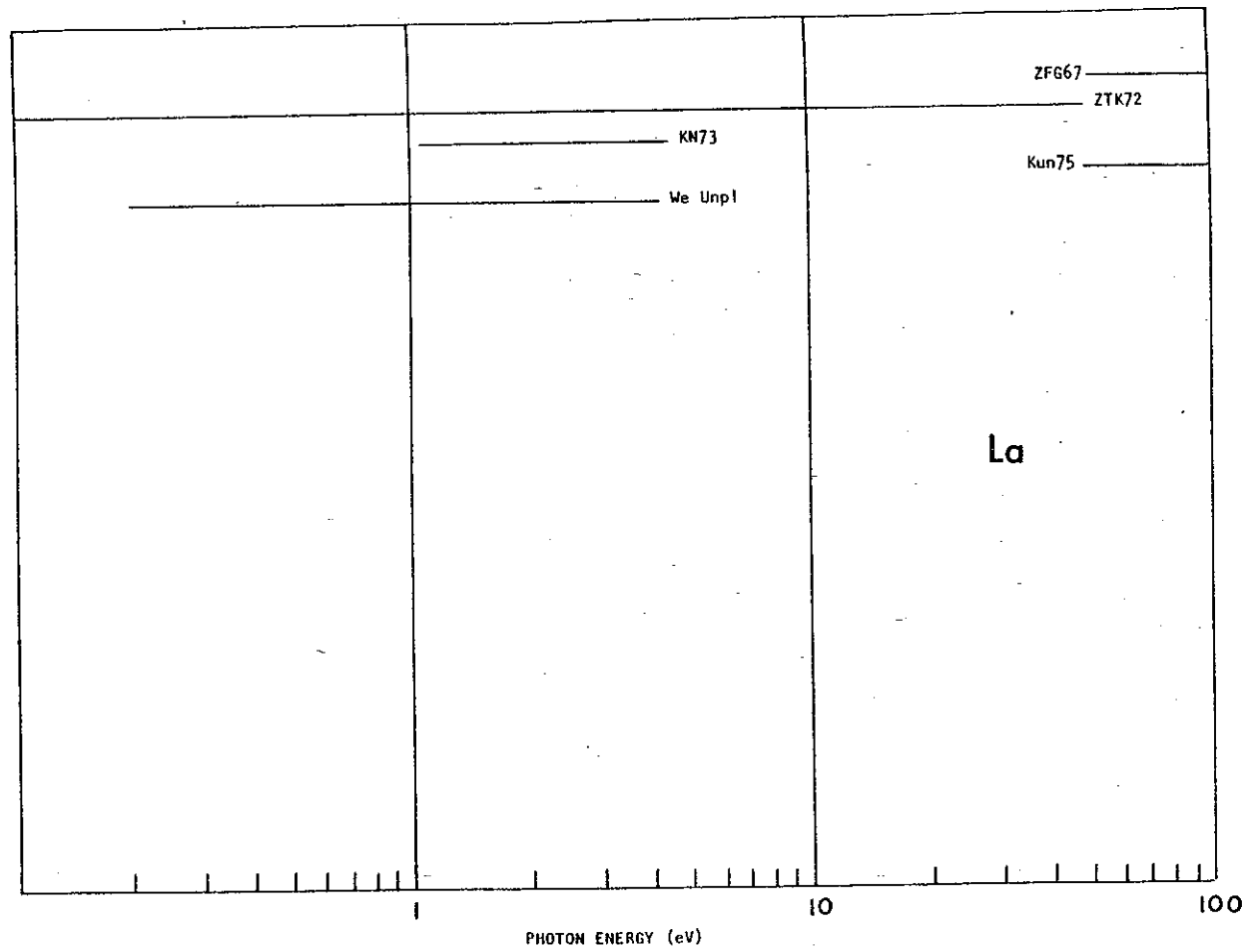


Fig. 31 Survey of available data on La.

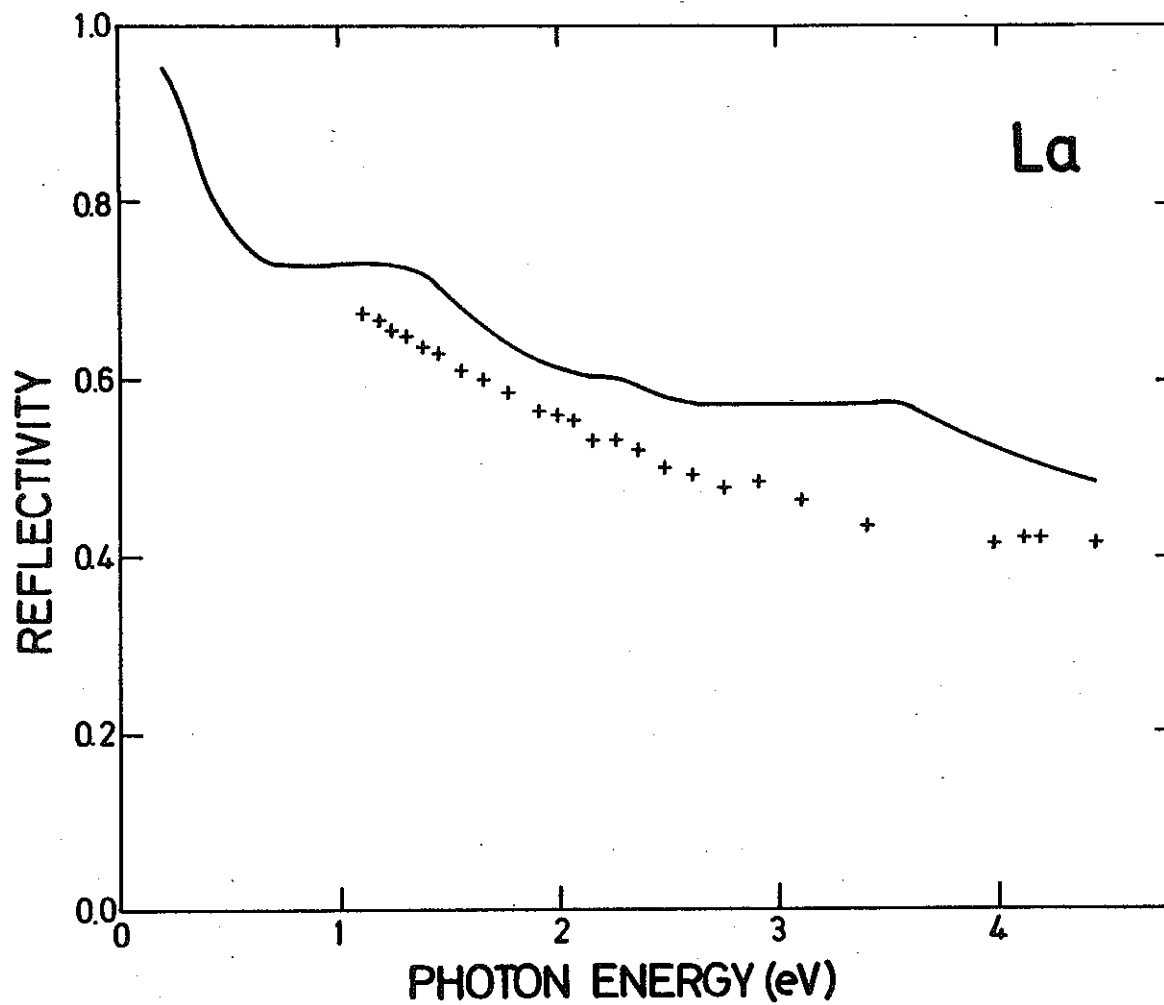


Fig. 32 Reflectivity for La. Polycrystalline results by We Unpub (—) and KN73 (+++).

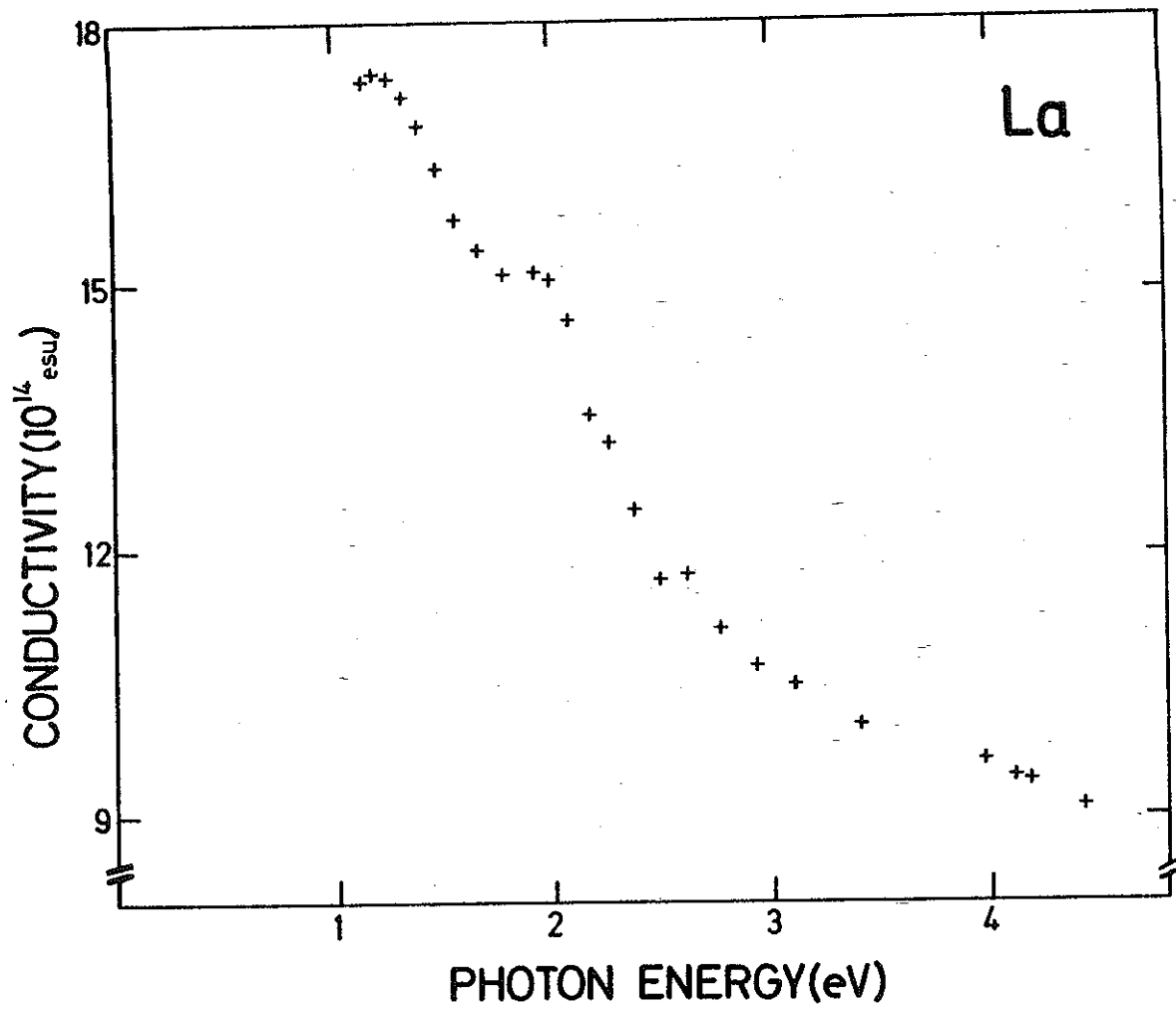


Fig. 33 Optical conductivity for La. Polycrystalline results by KN73.

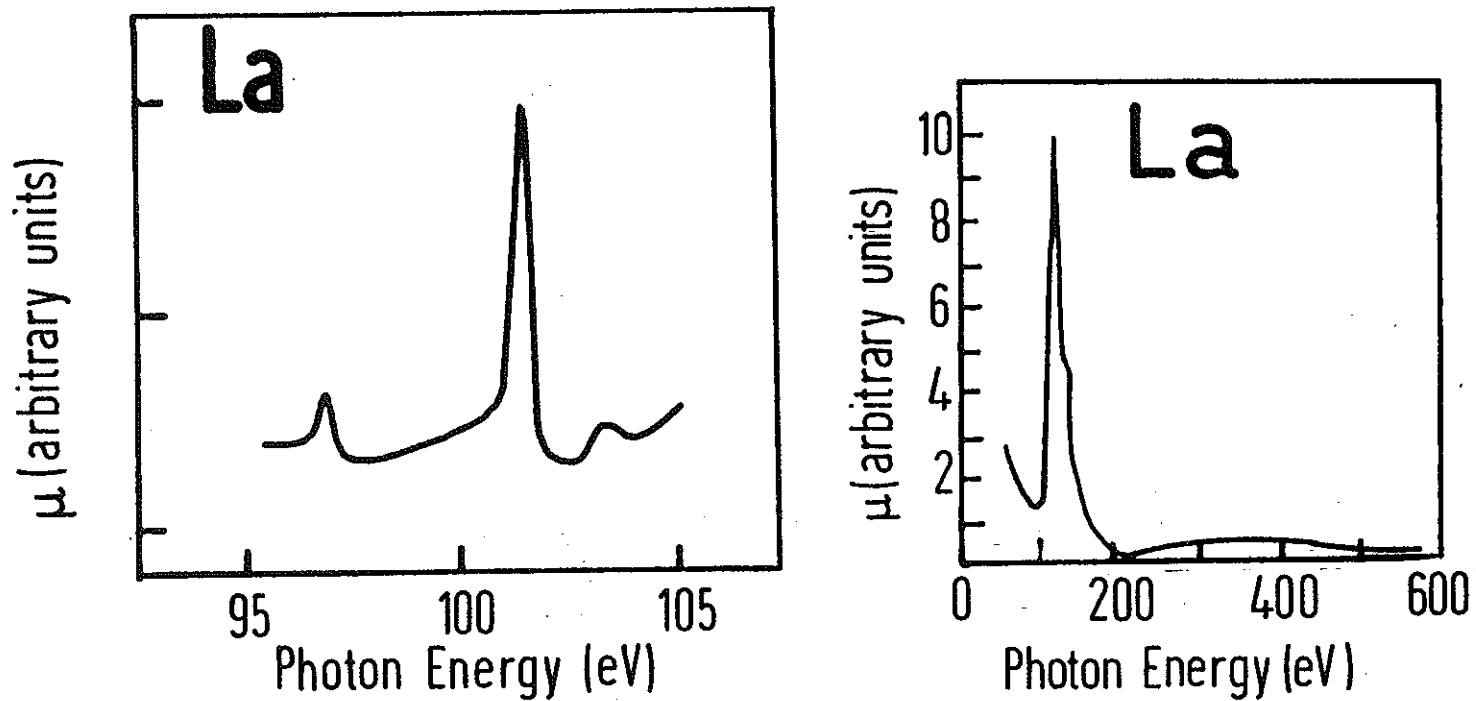


Fig. 34 Absorption coefficient for La. FZG67 show fine structure below the onset of the large maxima. Fine structure is interpolated by ZFG67 in the expanded energy range.