Authors	Energy Range (eV)	Technique	Temperature (K) RT unless specified	Sample				Data Presentation	Remarks
				Film	X-tal	Bulk	Prep		Eu
Mul65	0.3-5	Refl		x				R	reflectance measured through sapphire window using existing n for sapphire
Mul66	0.3-4	Trans, Refl		x				σ	
Sch66	0.3-5	Trans, Refl		x				R	
FZG67	130-138	Trans		x				μ	absorption measurements
Mul67	0.3-4	Trans, Refl		x				R,T,ε_1,ε_2,σ	
ZFG67	~50-560	Trans		x				μ	absorption measurements
ES70	1-11.6	Refl		x			In	R; KK: ε_1,ε_2,σ,μ Im(ε^{-1}), Im$(\varepsilon+1)^{-1}$	
TC73	130-180	Trans		x				μ	energy loss spectroscopy
Kun75	50-550			x				μ	absorption measurements with synchrotron radiation
Pet76	1.6-6.2	Trans, Refl		x				σ	
KN77									review paper
Liu77									review paper covering band structure, optical and photoemission properties
Tra77	19-39		vapor	x				μ	absorption measurements of metal vapors with synchrotron radiation
PD78	1.6-6.2	Trans, Refl		x				R,σ	

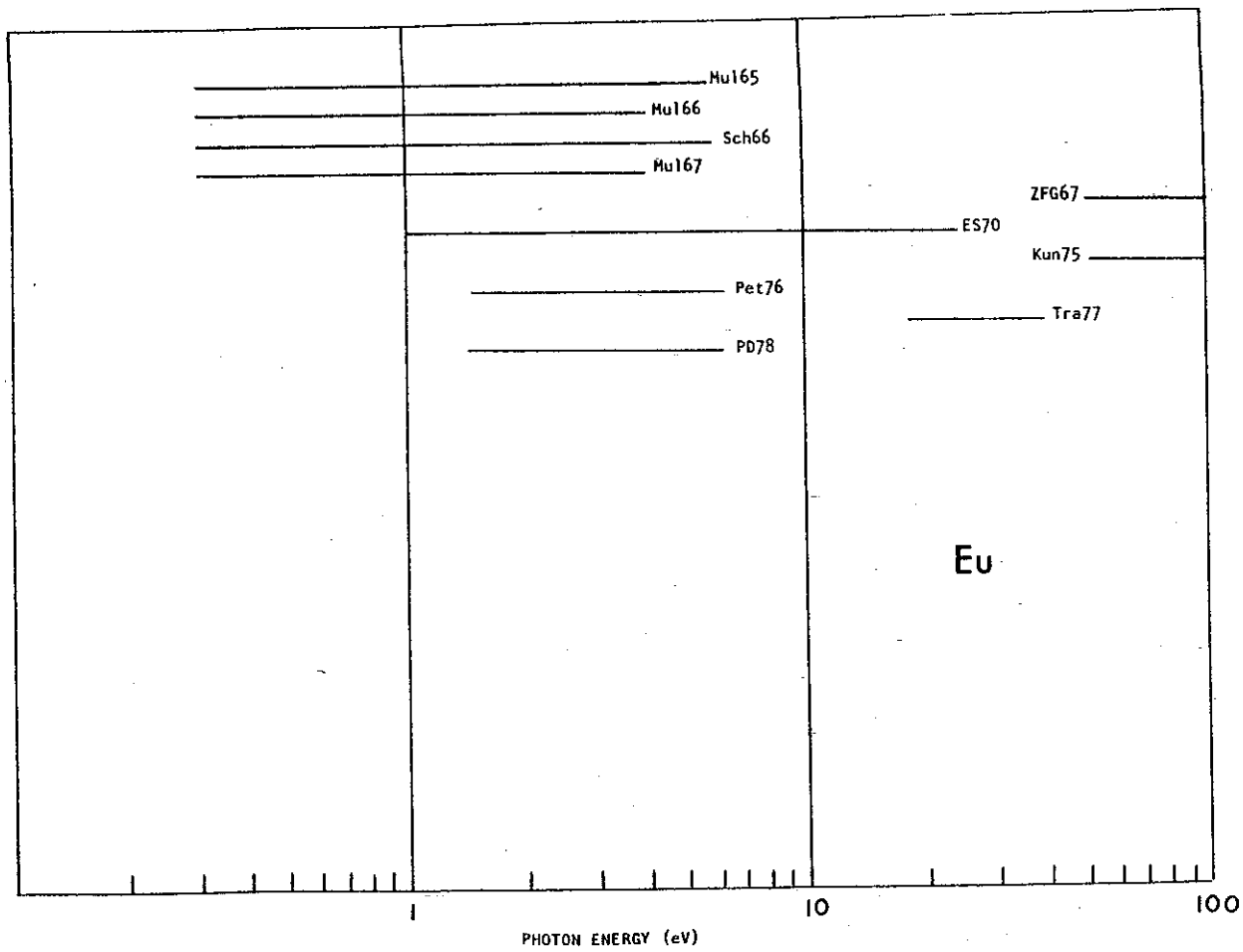

Fig. 50 Survey of available data on Eu.

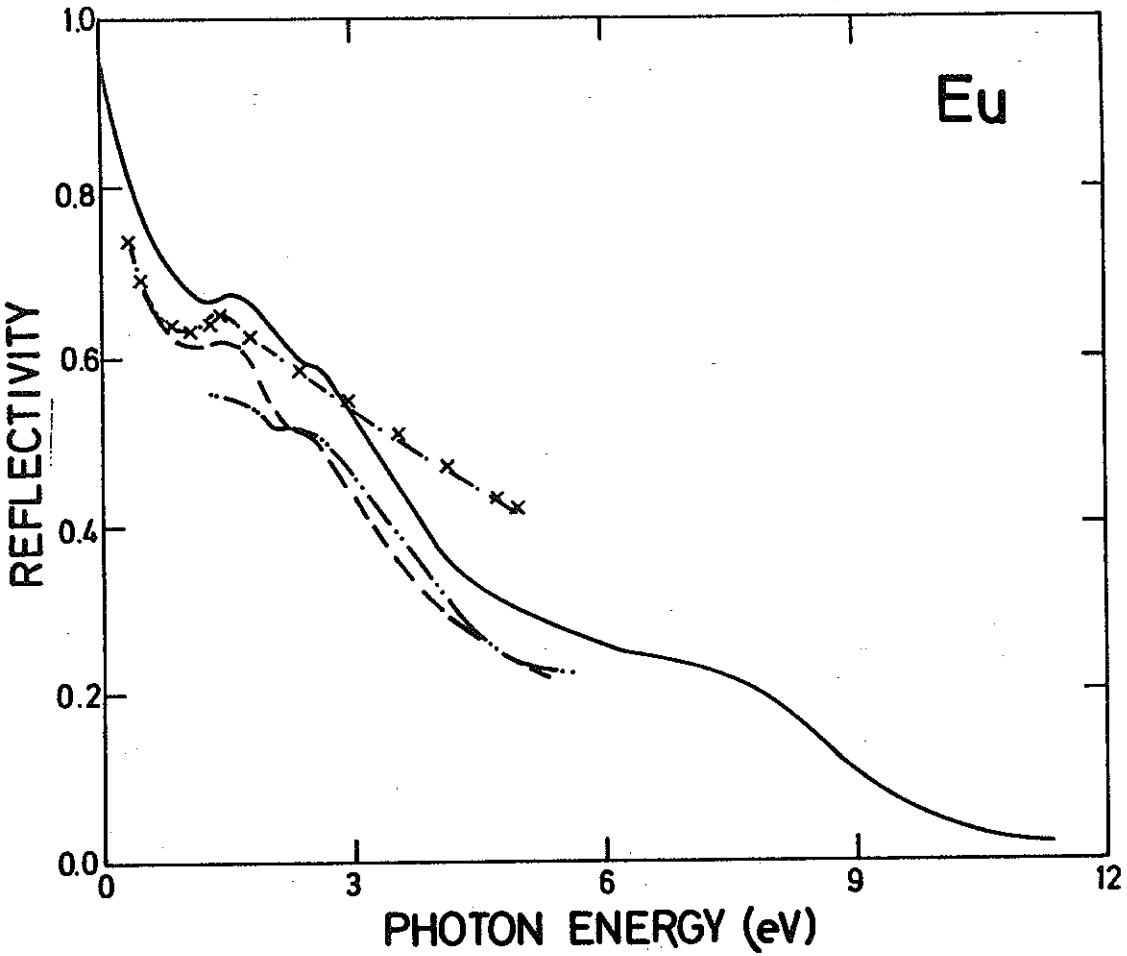

Fig. 51 Reflectivity of Eu. Polycrystalline results by ES70 (——); Mul67 (---); Mul65 (—·—); Sch66 (xxx); PD78 (—··—).

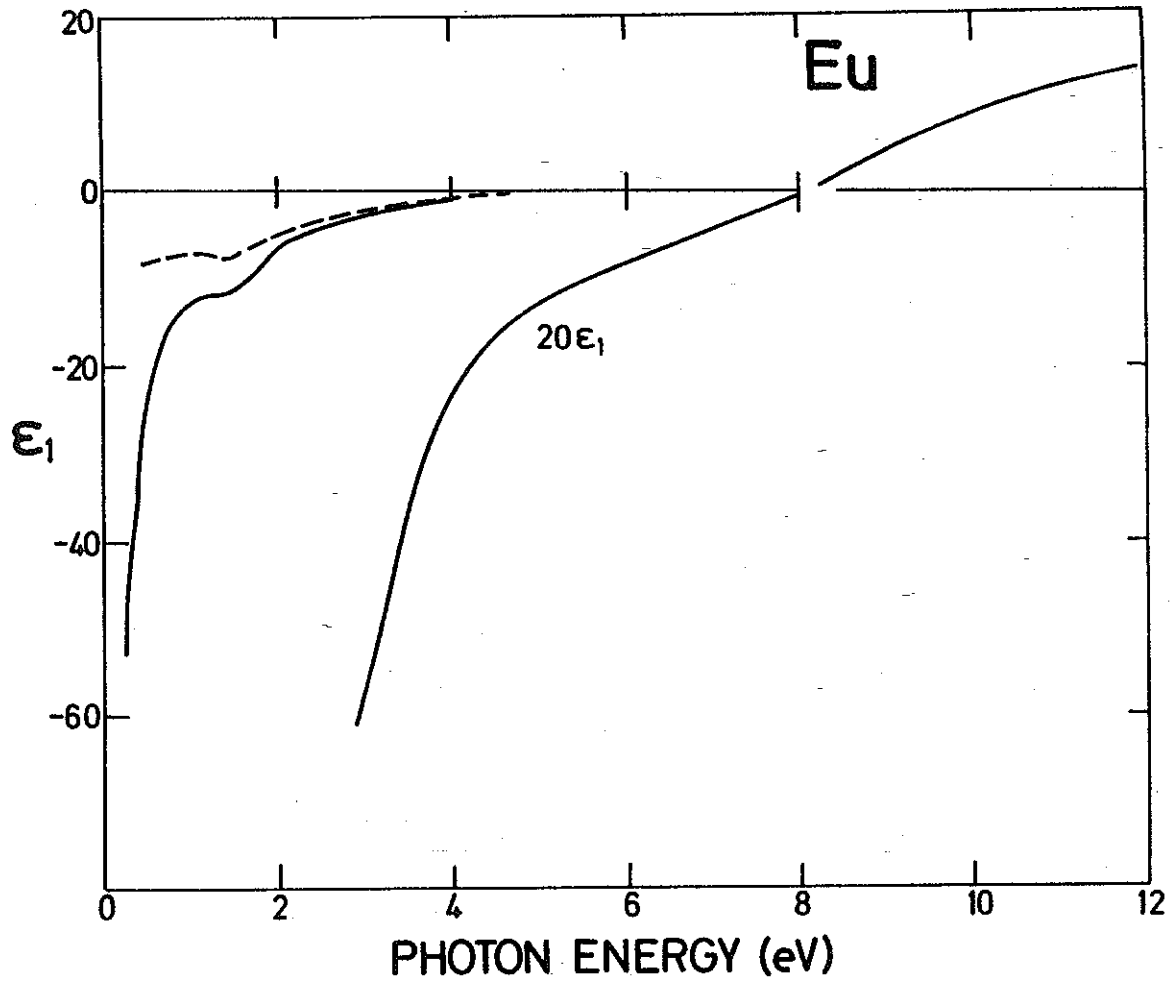

Fig. 52 ε_1 of Eu. Polycrystalline results by ES70 (——) and Mul67 (---).

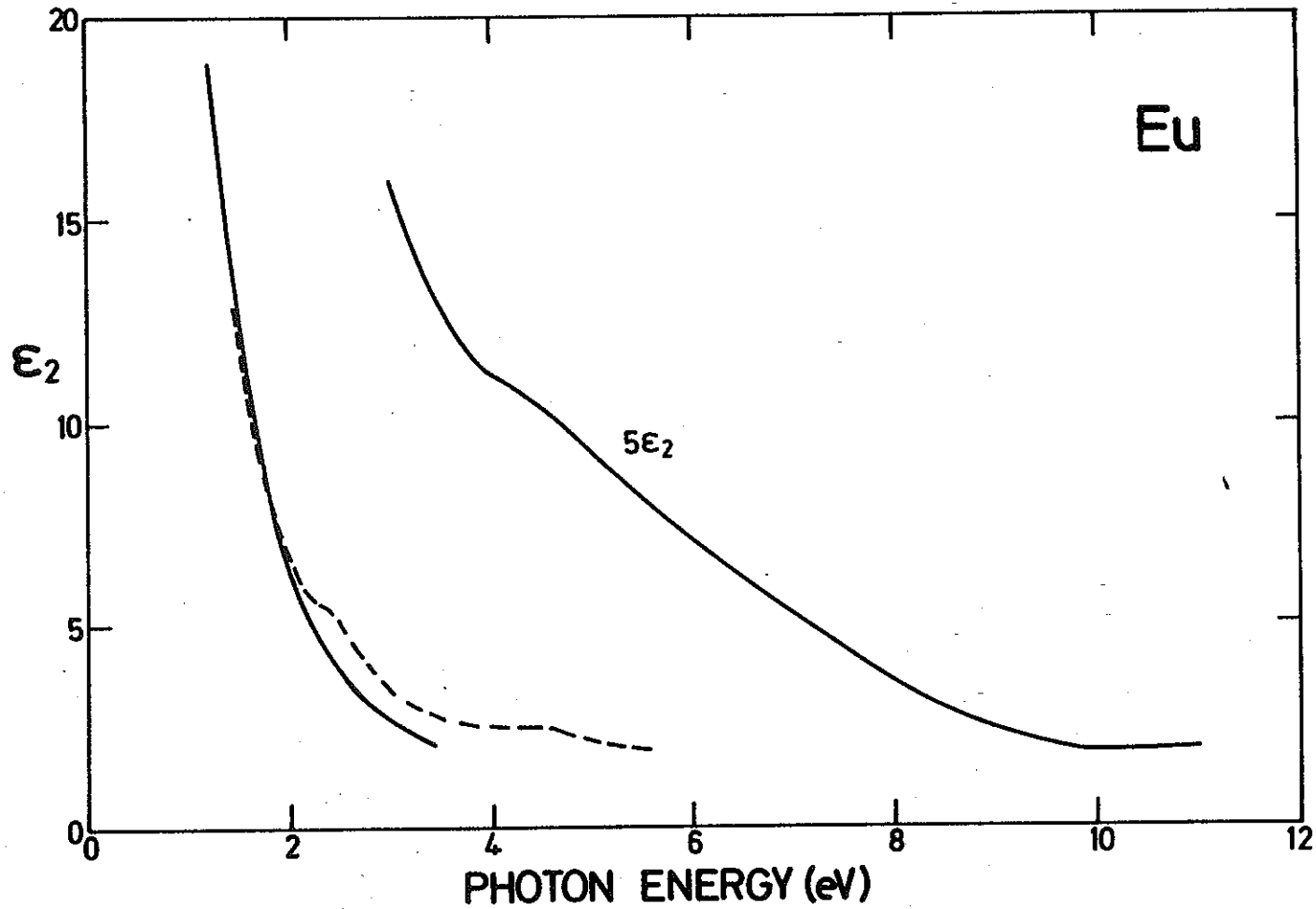

Fig. 53 ε_2 of Eu. Polycrystalline results by ES70 (——) and Mul67 (---).

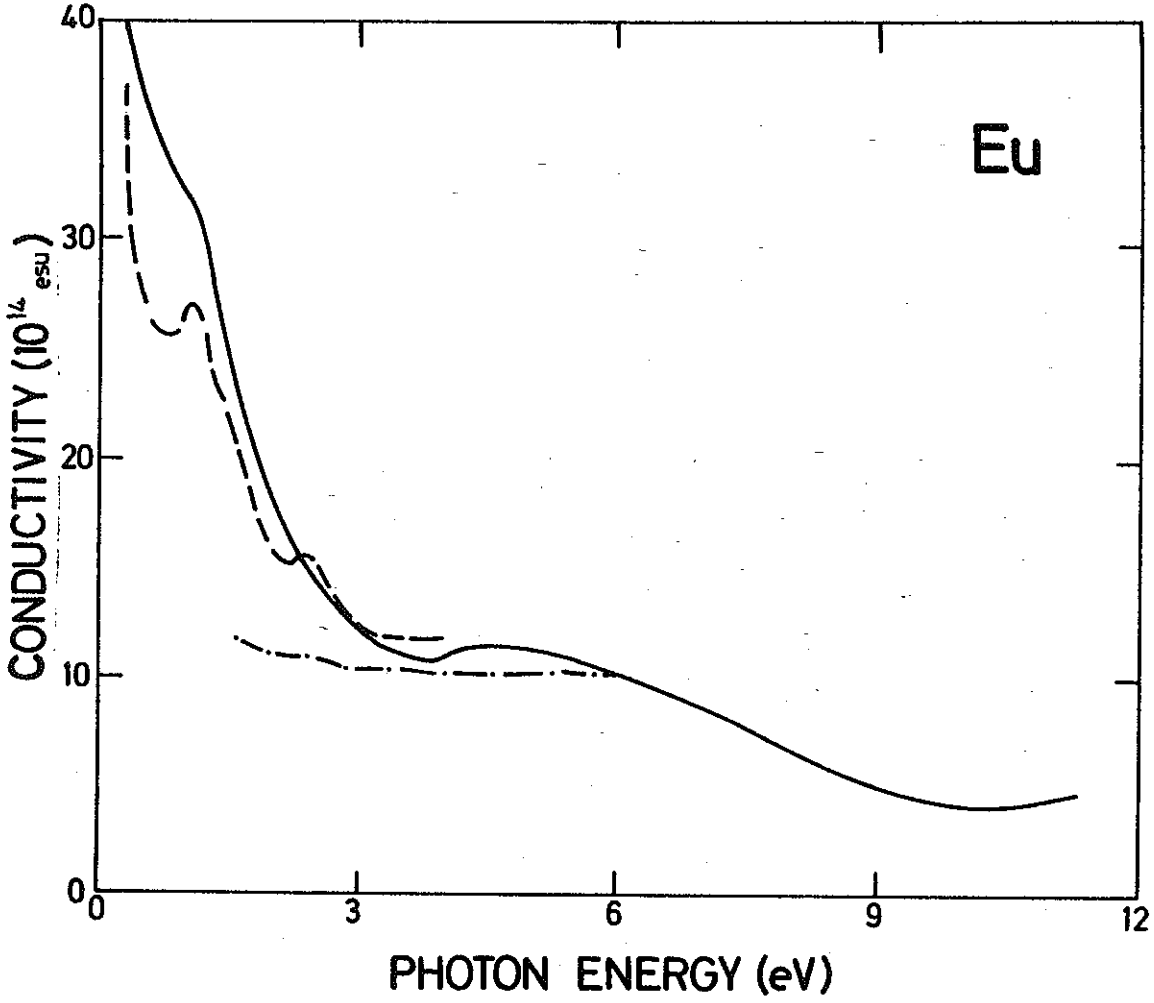

Fig. 54 Optical conductivity of Eu. Polycrystalline results by ES70 (——); Mu166 (---); PD78 (—·—).

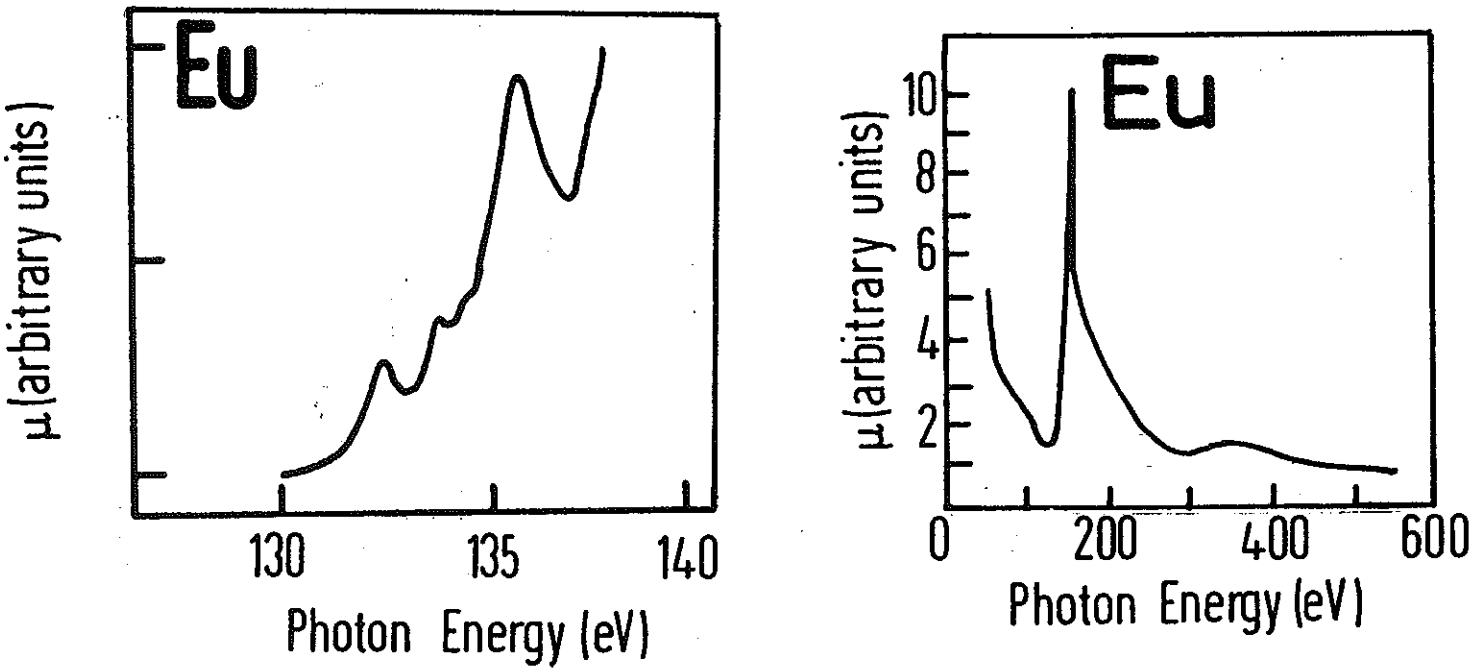

Fig. 55 Absorption coefficient of Eu. FZG67 show fine structure below the onset of the large maxima. Fine structure is interpolated by ZFG67 in the expanded energy range.