

Photoelectric head voltages

Data collected 24 March 2010; updated with eV energy units 30 March 2022 - JRM

Head	Violet #1	Violet #2	Blue	Green	Yellow	Results						
						h (J·s)	h (eV·s)	%diff	W (J)	W (eV)	%diff	Comments
A	1.973	1.664	1.439	0.767	0.673	7.077E-34	4.417E-15	-7%	2.608E-19	1.628	-18%	
	1.974	1.664	1.439	0.767	0.673							
	1.973	1.668	1.441	0.768	0.673							
B	1.956	1.665	1.474	0.867	0.748	6.486E-34	4.048E-15	2%	2.154E-19	1.344	1%	
	1.956	1.665	1.473	0.867	0.748							
	1.956	1.665	1.474	0.868	0.747							
C	1.877	1.616	1.388	0.685	0.542	7.280E-34	4.544E-15	-9%	2.873E-19	1.793	-27%	
	1.878	1.617	1.388	0.685	0.542							
	1.878	1.617	1.387	0.685	0.542							
D	1.977	1.675	1.411	0.787	0.665	7.069E-34	4.412E-15	-6%	2.603E-19	1.625	-18%	Difficult to see 'window' V _{stop} > 2.0V for Violet #1
	1.977	1.675	1.411	0.787	0.664							
	1.977	1.676	1.410	0.787	0.664							
E	1.915	1.608	1.405	0.804	0.677	6.604E-34	4.122E-15	0%	2.329E-19	1.454	-7%	
	1.914	1.608	1.406	0.803	0.677							
	1.913	1.608	1.406	0.804	0.677							
F	1.938	1.633	1.412	0.829	0.707	6.574E-34	4.103E-15	1%	2.273E-19	1.419	-4%	
	1.938	1.633	1.413	0.829	0.706							
	1.938	1.634	1.413	0.829	0.706							
G	1.996	1.681	1.464	0.855	0.735	6.745E-34	4.210E-15	-2%	2.319E-19	1.447	-6%	V _{stop} > 2.0V for Violet #1
	1.996	1.682	1.464	0.855	0.735							
	1.996	1.682	1.464	0.855	0.735							
H	2.05	1.757	1.508	0.933	0.794	6.666E-34	4.161E-15	-1%	2.169E-19	1.354	1%	V _{stop} > 2.0V for Violet #1
	2.04	1.757	1.508	0.934	0.795							
	2.04	1.757	1.509	0.934	0.794							
I	1.776	1.452	1.247	0.730	0.632	6.049E-34	3.775E-15	9%	2.144E-19	1.338	2%	V _{stop} ~1.7V for Violet #1
	1.776	1.452	1.247	0.730	0.632							
	1.776	1.452	1.247	0.730	0.632							