

Ei =	5.989	keV						ΔEg	ΔEt
Cryst	Refl	EB	ΘB	∫ IR dΘ	Width	Ei cotΘ	ΔE	2m, 50μm	2m, 50μm
	(h,k,l)	[keV]	[°]	[μrad]	[μrad]	[meV/μrad]	[meV]	[meV]	[meV]
Ge	(1,1,5)	5.694	71.94	60.8	61.8	1.953	120.75	24.42	123.19
Si	(1,1,5)	5.931	82.03	61.9	61.3	0.839	51.45	10.48	52.51
Sapph	(2,2,6)	5.946	83.17	123.035	110	0.718	78.92	8.97	79.42
	Equiv. Refl.: (2,2,-6), (2,-4,6), (2,-4,-6), (4,-2,6), (4,-2,-6), (-2,4,6), (-2,4,-6), (-2,-2,6), (-2,-2,-6), (-4,2,6), (-4,2,-6)								
LiNbO3	(1,1,12)	5.882	79.14	75.59	76.5	1.149	87.92	14.36	89.08
	Equiv. Refl.: (1,-2,12), (2,-1,12), (-1,2,12), (-1,-1,12), (-2,1,12)								
Quartz	(4,-4,-1)	5.94	82.65	63.227	59.1	0.773	45.68	9.66	46.69
	Equiv. Refl.: (-4,4,1)								
Quartz	(4,0,1)	5.94	82.65	63.226	59.1	0.773	45.68	9.66	46.69
Quartz	(-4,0,-1)	5.94	82.65	63.225	59.1	0.773	45.68	9.66	46.69
Quartz	(0,4,-1)	5.94	82.65	63.223	59.1	0.773	45.68	9.66	46.69
	Equiv. Refl.: (0,-4,1)								
LiNbO3	(1,1,-12)	5.882	79.14	62.037	76.5	1.149	87.92	14.36	89.08
	Equiv. Refl.: (1,-2,-12), (2,-1,-12), (-1,2,-12), (-1,-1,-12), (-2,1,-12)								
Quartz	(1,-1,5)	5.917	81.12	57.278	52.8	0.935	49.41	11.69	50.77
	Equiv. Refl.: (-1,1,-5)								
Quartz	(-1,0,5)	5.917	81.12	57.273	52.8	0.935	49.4	11.69	50.77
Quartz	(1,0,-5)	5.917	81.12	57.272	52.8	0.935	49.4	11.69	50.77
Quartz	(0,1,5)	5.917	81.12	57.237	52.8	0.935	49.38	11.69	50.74
	Equiv. Refl.: (0,-1,-5)								
LiNbO3	(1,2,-10)	5.791	75.21	56.286	60.5	1.581	95.71	19.76	97.73
	Equiv. Refl.: (2,-3,-10), (3,-2,-10), (-1,3,-10), (-2,-1,-10), (-3,1,-10)								
LiNbO3	(1,-3,10)	5.791	75.21	54.19	60.5	1.581	95.71	19.76	97.73
	Equiv. Refl.: (2,1,10), (3,-1,10), (-1,-2,10), (-2,3,10), (-3,2,10)								
LiNbO3	(0,-4,-2)	5.633	70.16	52.645	53.4	2.161	115.41	27.02	118.53
	Equiv. Refl.: (4,0,-2), (-4,4,-2)								
LiNbO3	(0,-4,4)	5.842	77.3	50.35	57.4	1.35	77.52	16.87	79.34
	Equiv. Refl.: (4,0,4), (-4,4,4)								
LiNbO3	(0,4,-4)	5.842	77.3	48.87	57.4	1.35	77.52	16.87	79.34
	Equiv. Refl.: (-4,0,-4)								
LiNbO3	(4,-4,-4)	5.842	77.3	48.869	57.4	1.35	77.52	16.87	79.34
Sapph	(0,0,12)	5.727	73.01	48.744	44.1	1.83	80.81	22.88	83.98
	Equiv. Refl.: (0,0,-12)								
LiNbO3	(0,4,2)	5.633	70.16	48.417	53.4	2.161	115.41	27.02	118.53
	Equiv. Refl.: (4,-4,2), (-4,0,2)								
Sapph	(0,2,10)	5.642	70.4	32.154	30.1	2.132	64.14	26.65	69.46
	Equiv. Refl.: (0,-2,-10), (2,0,-10), (2,-2,10), (-2,0,10), (-2,2,-10)								
Quartz	(4,-1,-2)	5.732	73.16	28.532	26.1	1.812	47.37	22.65	52.5
	Equiv. Refl.: (4,-3,2)								
Quartz	(-3,4,-2)	5.732	73.16	28.53	26.1	1.812	47.36	22.65	52.5
	Equiv. Refl.: (-3,-1,2)								
Quartz	(-1,-3,-2)	5.732	73.16	28.527	26.1	1.812	47.36	22.65	52.5
Quartz	(-1,4,2)	5.732	73.16	28.525	26.1	1.812	47.36	22.65	52.5
Quartz	(-4,1,2)	5.732	73.16	27.11	26.1	1.812	47.37	22.65	52.5
	Equiv. Refl.: (-4,3,-2)								
Quartz	(3,1,-2)	5.732	73.16	27.109	26.1	1.812	47.36	22.65	52.5
	Equiv. Refl.: (3,-4,2)								

Ei =	5.989	keV						ΔEg	ΔEt
Cryst	Refl	EB	ΘB	∫ IR dΘ	Width	Ei cotΘ	ΔE	2m, 50μm	2m, 50μm
	(h,k,l)	[keV]	[°]	[μrad]	[μrad]	[meV/μrad]	[meV]	[meV]	[meV]
Quartz	(1,3,2)	5.732	73.16	27.106	26.1	1.812	47.36	22.65	52.5
Quartz	(1,-4,-2)	5.732	73.16	27.104	26.1	1.812	47.36	22.65	52.5
Sapph	(1,3,4)	5.75	73.77	26.51	26.4	1.743	46.09	21.79	50.98
	Equiv. Refl.: (1,-4,-4), (3,1,-4), (3,-4,4), (4,-1,-4), (4,-3,4), (-1,4,4), (-1,-3,-4), (-3,4,-4), (-3,-1,4), (-4,1,4), (-4,3,-4)								
Quartz	(-1,1,5)	5.917	81.12	18.786	21.4	0.935	19.99	11.69	23.16
Quartz	(1,-1,-5)	5.917	81.12	18.785	21.4	0.935	19.99	11.69	23.16
Quartz	(0,1,-5)	5.917	81.12	18.784	21.4	0.935	19.99	11.69	23.16
	Equiv. Refl.: (0,-1,5)								
Quartz	(-1,0,-5)	5.917	81.12	18.783	21.4	0.935	19.99	11.69	23.16
Quartz	(1,0,5)	5.917	81.12	18.78	21.4	0.935	19.99	11.69	23.16
Quartz	(0,4,0)	5.828	76.68	17.085	18.1	1.418	25.59	17.72	31.13
	Equiv. Refl.: (0,-4,0), (4,0,0), (4,-4,0), (-4,0,0), (-4,4,0)								
Quartz	(3,-4,-2)	5.732	73.16	16.985	16.5	1.812	29.98	22.65	37.58
	Equiv. Refl.: (-4,1,-2)								
Quartz	(3,1,2)	5.732	73.16	16.984	16.5	1.812	29.98	22.65	37.58
	Equiv. Refl.: (-4,3,2)								
Quartz	(1,3,-2)	5.732	73.16	16.978	16.5	1.812	29.97	22.65	37.57
Quartz	(1,-4,2)	5.732	73.16	16.977	16.5	1.812	29.97	22.65	37.57
Quartz	(4,-1,2)	5.732	73.16	14.759	16.5	1.812	29.98	22.65	37.58
	Equiv. Refl.: (-3,4,2)								
Quartz	(4,-3,-2)	5.732	73.16	14.758	16.5	1.812	29.98	22.65	37.58
	Equiv. Refl.: (-3,-1,-2)								
Quartz	(-1,-3,2)	5.732	73.16	14.752	16.5	1.812	29.97	22.65	37.57
Quartz	(-1,4,-2)	5.732	73.16	14.751	16.5	1.812	29.97	22.65	37.57
Quartz	(0,4,1)	5.94	82.65	9.645	14.5	0.773	11.22	9.66	14.81
	Equiv. Refl.: (0,-4,-1)								
Quartz	(4,0,-1)	5.94	82.65	9.636	14.5	0.773	11.22	9.66	14.8
Quartz	(4,-4,1)	5.94	82.65	9.635	14.5	0.773	11.22	9.66	14.8
	Equiv. Refl.: (-4,0,1), (-4,4,-1)								
LiNbO3	(1,3,7)	5.91	80.71	8.503	23.3	0.98	22.84	12.25	25.92
	Equiv. Refl.: (1,-4,-7), (3,1,-7), (3,-4,7), (4,-1,-7), (4,-3,7), (-1,4,7), (-1,-3,-7), (-3,4,-7), (-3,-1,7), (-4,1,7), (-4,3,-7)								
Sapph	(1,3,-5)	5.926	81.68	7.153	12.9	0.875	11.27	10.94	15.71
	Equiv. Refl.: (1,-4,5), (3,1,5), (3,-4,-5), (4,-1,5), (4,-3,-5), (-1,4,-5), (-1,-3,5), (-3,4,5), (-3,-1,-5), (-4,1,-5), (-4,3,5)								