

Ei =	5.899	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	(3,3,3)	5.694	74.84	72.8796	74.54	1.5978	119.11	19.97	120.77
	Equiv. Refl.: (1,5,1), (1,1,5), (5,1,1)								
Si	(2,2,4)	5.592	71.43	46.6722	42.73	1.9816	84.67	24.77	88.22
	Equiv. Refl.: (2,4,2), (4,2,2)								
LiNbO3	(1,-2,12)	5.882	85.62	215.835	210.8	0.451	95.14	5.64	95.3
	Equiv. Refl.: (2,-1,12)								
LiNbO3	(1,1,12)	5.882	85.62	215.834	210.8	0.451	95.14	5.64	95.3
	Equiv. Refl.: (-1,2,12), (-1,-1,12), (-2,1,12)								
LiNbO3	(1,1,-12)	5.882	85.62	175.406	210.8	0.451	95.14	5.64	95.3
	Equiv. Refl.: (1,-2,-12), (2,-1,-12), (-1,2,-12), (-1,-1,-12), (-2,1,-12)								
LiNbO3	(0,-4,4)	5.842	82.06	91.865	101.4	0.822	83.36	10.28	83.99
	Equiv. Refl.: (4,0,4)								
LiNbO3	(-4,4,4)	5.842	82.06	91.864	101.4	0.822	83.36	10.28	83.99
LiNbO3	(0,4,-4)	5.842	82.06	89.01	101.4	0.822	83.36	10.28	83.99
	Equiv. Refl.: (-4,0,-4)								
LiNbO3	(4,-4,-4)	5.842	82.06	89.009	101.4	0.822	83.36	10.28	83.99
LiNbO3	(1,2,-10)	5.791	79	86.372	90.1	1.147	103.28	14.34	104.27
	Equiv. Refl.: (-1,3,-10), (-2,-1,-10), (-3,1,-10)								
LiNbO3	(2,-3,-10)	5.791	79	86.371	90.1	1.147	103.28	14.34	104.27
	Equiv. Refl.: (3,-2,-10)								
LiNbO3	(1,-3,10)	5.791	79	83.003	90.1	1.147	103.28	14.34	104.27
	Equiv. Refl.: (2,1,10), (3,-1,10), (-1,-2,10)								
LiNbO3	(-2,3,10)	5.791	79	83.002	90.1	1.147	103.28	14.34	104.27
	Equiv. Refl.: (-3,2,10)								
LiNbO3	(0,-4,-2)	5.633	72.74	68.707	67.8	1.833	124.26	22.91	126.35
	Equiv. Refl.: (4,0,-2), (-4,4,-2)								
LiNbO3	(0,4,2)	5.633	72.74	62.908	67.8	1.833	124.26	22.91	126.35
	Equiv. Refl.: (4,-4,2), (-4,0,2)								
Sapph	(0,0,12)	5.727	76.15	60.187	54.8	1.454	79.63	18.18	81.68
	Equiv. Refl.: (0,0,-12)								
Quartz	(4,-1,-2)	5.732	76.35	42.556	38	1.433	54.5	17.91	57.37
	Equiv. Refl.: (4,-3,2)								
Quartz	(-3,4,-2)	5.732	76.35	42.552	38	1.433	54.5	17.91	57.37
	Equiv. Refl.: (-3,-1,2)								
Quartz	(-1,-3,-2)	5.732	76.35	42.548	38	1.433	54.49	17.91	57.36
Quartz	(-1,4,2)	5.732	76.35	42.545	38	1.433	54.49	17.91	57.36
Quartz	(-4,1,2)	5.732	76.35	40.363	38	1.433	54.5	17.91	57.37
	Equiv. Refl.: (-4,3,-2)								
Quartz	(3,1,-2)	5.732	76.35	40.361	38	1.433	54.5	17.91	57.37
	Equiv. Refl.: (3,-4,2)								
Quartz	(1,3,2)	5.732	76.35	40.356	38	1.433	54.49	17.91	57.36
Quartz	(1,-4,-2)	5.732	76.35	40.354	38	1.433	54.49	17.91	57.36
Sapph	(0,2,10)	5.642	73.03	37.35	35.1	1.8	63.23	22.5	67.11
	Equiv. Refl.: (0,-2,-10), (2,0,-10), (2,-2,10), (-2,0,10), (-2,2,-10)								
Sapph	(1,3,4)	5.75	77.11	33.53	33.7	1.35	45.43	16.87	48.47
	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)								

Ei =	5.899	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	(0,4,0)	5.828	81.1	27.814	29.4	0.924	27.13	11.55	29.49
	Equiv. Refl.: (0,-4,0), (4,0,0), (4,-4,0), (-4,0,0), (-4,4,0)								
Quartz	(3,-4,-2)	5.732	76.35	26.227	24.5	1.433	35.16	17.91	39.46
	Equiv. Refl.: (-4,1,-2)								
Quartz	(-4,3,2)	5.732	76.35	26.226	24.5	1.433	35.16	17.91	39.46
Quartz	(3,1,2)	5.732	76.35	26.225	24.5	1.433	35.16	17.91	39.46
Quartz	(1,3,-2)	5.732	76.35	26.215	24.5	1.433	35.15	17.91	39.45
Quartz	(1,-4,2)	5.732	76.35	26.214	24.5	1.433	35.14	17.91	39.45
Quartz	(4,-1,2)	5.732	76.35	22.802	24.5	1.433	35.16	17.91	39.46
	Equiv. Refl.: (-3,4,2)								
Quartz	(4,-3,-2)	5.732	76.35	22.801	24.5	1.433	35.16	17.91	39.46
Quartz	(-3,-1,-2)	5.732	76.35	22.8	24.5	1.433	35.16	17.91	39.46
Quartz	(-1,-3,2)	5.732	76.35	22.791	24.5	1.433	35.15	17.91	39.45
Quartz	(-1,4,-2)	5.732	76.35	22.79	24.5	1.433	35.14	17.91	39.45
Quartz	(0,3,-3)	5.563	70.57	12.955	14	2.081	29.09	26.02	39.03
	Equiv. Refl.: (0,-3,3)								
Quartz	(3,0,3)	5.563	70.57	12.954	14	2.081	29.09	26.02	39.02
	Equiv. Refl.: (-3,0,-3)								
Quartz	(3,-3,-3)	5.563	70.57	12.953	14	2.081	29.09	26.02	39.02
	Equiv. Refl.: (-3,3,3)								
Quartz	(0,-3,-3)	5.563	70.57	7.71	9.5	2.081	19.69	26.02	32.62
Quartz	(0,3,3)	5.563	70.57	7.709	9.5	2.081	19.69	26.02	32.62
Quartz	(3,0,-3)	5.563	70.57	7.692	9.4	2.081	19.65	26.02	32.61
	Equiv. Refl.: (-3,0,3)								
Quartz	(3,-3,3)	5.563	70.57	7.691	9.4	2.081	19.65	26.02	32.6
	Equiv. Refl.: (-3,3,-3)								
Quartz	(-2,4,2)	5.544	70.02	6.298	7.8	2.144	16.82	26.81	31.64
	Equiv. Refl.: (-2,-2,-2)								
Quartz	(-2,4,-2)	5.544	70.02	6.297	7.8	2.144	16.81	26.81	31.64
Quartz	(-2,-2,2)	5.544	70.02	6.295	7.8	2.144	16.81	26.81	31.64
Quartz	(4,-2,2)	5.544	70.02	6.292	7.8	2.144	16.8	26.81	31.64
Quartz	(4,-2,-2)	5.544	70.02	6.291	7.8	2.144	16.8	26.81	31.64
Quartz	(2,2,2)	5.544	70.02	5.699	7.8	2.144	16.82	26.81	31.64
	Equiv. Refl.: (2,-4,2), (2,-4,-2)								
Quartz	(2,2,-2)	5.544	70.02	5.697	7.8	2.144	16.81	26.81	31.64
Quartz	(-4,2,-2)	5.544	70.02	5.693	7.8	2.144	16.8	26.81	31.64
Quartz	(-4,2,2)	5.544	70.02	5.692	7.8	2.144	16.8	26.81	31.64