Ei = Cryst	6.915 Refl (h,k,l)	keV EB [keV]	ΘB [°]	∫ IR dΘ [µrad]	Width [µrad]	Ei cotΘ [meV/µrad]	ΔE [meV]	ΔEg 2m, 50µm [meV]	ΔEt 2m, 50µm [meV]
Si	**(1,3,5)**	**6.753**	**77.57**	**27.3573**	**26.36**	**1.5243**	**40.18**	**19.05**	**44.47**
	Equiv. Refl.: (1,5,3), (3,1,5), (3,5,1), (5,1,3), (5,3,1)								
LiNbO3	**(-4,5,-6)**	**6.914**	**88.96**	**700.879**	**678.6**	**0.126**	**85.42**	**1.57**	**85.43**
	Equiv. Refl.: (-5,4,-6)								
LiNbO3	**(4,1,-6)**	**6.914**	**88.96**	**700.878**	**678.6**	**0.126**	**85.42**	**1.57**	**85.43**
	Equiv. Refl.: (-1,-4,-6)								
LiNbO3	**(1,-5,-6)**	**6.914**	**88.96**	**700.877**	**678.6**	**0.126**	**85.42**	**1.57**	**85.43**
	Equiv. Refl.: (5,-1,-6)								
LiNbO3	**(1,4,-6)**	**6.914**	**88.96**	**692.442**	**668.4**	**0.126**	**84.14**	**1.57**	**84.16**
	Equiv. Refl.: (-1,5,-6), (-4,-1,-6), (-5,1,-6)								
LiNbO3	**(4,-5,-6)**	**6.914**	**88.96**	**692.439**	**668.4**	**0.126**	**84.14**	**1.57**	**84.16**
	Equiv. Refl.: (5,-4,-6)								
LiNbO3	**(4,-5,6)**	**6.914**	**88.96**	**658.908**	**678.6**	**0.126**	**85.42**	**1.57**	**85.43**
	Equiv. Refl.: (5,-4,6)								
LiNbO3	**(1,4,6)**	**6.914**	**88.96**	**658.907**	**678.6**	**0.126**	**85.42**	**1.57**	**85.43**
	Equiv. Refl.: (-1,5,6), (-4,-1,6), (-5,1,6)								
LiNbO3	**(1,-5,6)**	**6.914**	**88.96**	**642.628**	**668.4**	**0.126**	**84.14**	**1.57**	**84.16**
	Equiv. Refl.: (4,1,6), (5,-1,6), (-1,-4,6)								
LiNbO3	**(-4,5,6)**	**6.914**	**88.96**	**642.625**	**668.4**	**0.126**	**84.14**	**1.57**	**84.16**
	Equiv. Refl.: (-5,4,6)								
Quartz	**(-1,3,5)**	**6.91**	**87.87**	**116.583**	**107.9**	**0.258**	**27.8**	**3.22**	**27.99**
Quartz	**(-1,-2,-5)**	**6.91**	**87.87**	**116.574**	**107.9**	**0.258**	**27.8**	**3.22**	**27.99**
Quartz	**(-2,3,-5)**	**6.91**	**87.87**	**116.518**	**107.9**	**0.258**	**27.79**	**3.22**	**27.98**
Quartz	**(-2,-1,5)**	**6.91**	**87.87**	**116.509**	**107.9**	**0.258**	**27.79**	**3.22**	**27.98**
Quartz	**(3,-1,-5)**	**6.91**	**87.87**	**116.505**	**107.9**	**0.258**	**27.79**	**3.22**	**27.97**
Quartz	**(3,-2,5)**	**6.91**	**87.87**	**116.494**	**107.8**	**0.258**	**27.79**	**3.22**	**27.97**
Quartz	**(1,-3,-5)**	**6.91**	**87.87**	**112.903**	**107.9**	**0.258**	**27.8**	**3.22**	**27.99**
Quartz	**(1,2,5)**	**6.91**	**87.87**	**112.894**	**107.9**	**0.258**	**27.8**	**3.22**	**27.99**
Quartz	**(2,-3,5)**	**6.91**	**87.87**	**112.87**	**107.9**	**0.258**	**27.79**	**3.22**	**27.98**
Quartz	**(2,1,-5)**	**6.91**	**87.87**	**112.86**	**107.9**	**0.258**	**27.79**	**3.22**	**27.98**
Quartz	**(-3,1,5)**	**6.91**	**87.87**	**112.853**	**107.9**	**0.258**	**27.79**	**3.22**	**27.97**
Quartz	**(-3,2,-5)**	**6.91**	**87.87**	**112.842**	**107.8**	**0.258**	**27.79**	**3.22**	**27.97**
LiNbO3	**(0,-2,14)**	**6.85**	**82.16**	**92.984**	**89.8**	**0.952**	**85.47**	**11.9**	**86.3**
	Equiv. Refl.: (2,0,14)								
LiNbO3	**(-2,2,14)**	**6.85**	**82.16**	**92.983**	**89.8**	**0.952**	**85.47**	**11.9**	**86.3**
LiNbO3	**(0,2,-14)**	**6.85**	**82.16**	**86.249**	**89.8**	**0.952**	**85.47**	**11.9**	**86.3**
	Equiv. Refl.: (2,-2,-14), (-2,0,-14)								
LiNbO3	**(0,-3,-12)**	**6.797**	**79.39**	**73.098**	**67.6**	**1.295**	**87.52**	**16.19**	**89.01**
	Equiv. Refl.: (3,0,-12), (-3,3,-12)								
LiNbO3	**(0,3,-12)**	**6.797**	**79.39**	**71.772**	**66.4**	**1.295**	**85.96**	**16.19**	**87.48**
	Equiv. Refl.: (-3,0,-12)								
LiNbO3	**(3,-3,-12)**	**6.797**	**79.39**	**71.771**	**66.4**	**1.295**	**85.96**	**16.19**	**87.48**
LiNbO3	**(0,3,12)**	**6.797**	**79.39**	**61.885**	**67.6**	**1.295**	**87.52**	**16.19**	**89.01**
	Equiv. Refl.: (3,-3,12), (-3,0,12)								
Sapph	**(1,4,0)**	**6.894**	**85.55**	**61.487**	**59.4**	**0.539**	**31.98**	**6.73**	**32.68**
	Equiv. Refl.: (1,-5,0), (4,1,0), (4,-5,0), (5,-1,0), (5,-4,0), (-1,5,0), (-1,-4,0), (-4,5,0), (-4,-1,0) (-5,1,0), (-5,4,0)								

Ei = Cryst	6.915 Refl (h,k,l)	keV EB [keV]	ΘB [°]	∫ IR dΘ [µrad]	Width [µrad]	Ei cotΘ [meV/µrad]	ΔE [meV]	ΔEg 2m, 50µm [meV]	ΔEt 2m, 50µm [meV]
LiNbO3	**(0,-3,12)**	**6.797**	**79.39**	**60.29**	**66.4**	**1.295**	**85.96**	**16.19**	**87.48**
	Equiv. Refl.: (3,0,12)								
LiNbO3	**(-3,3,12)**	**6.797**	**79.39**	**60.289**	**66.4**	**1.295**	**85.96**	**16.19**	**87.48**
LiNbO3	**(1,-4,-10)**	**6.718**	**76.29**	**58.349**	**55.6**	**1.687**	**93.78**	**21.09**	**96.12**
	Equiv. Refl.: (3,1,-10), (4,-1,-10), (-1,-3,-10), (-3,4,-10), (-4,3,-10)								
Sapph	**(2,3,-4)**	**6.83**	**81**	**57.676**	**51.1**	**1.095**	**55.92**	**13.69**	**57.57**
	Equiv. Refl.: (2,-5,4), (3,2,4), (3,-5,-4), (5,-2,4), (5,-3,-4), (-2,5,-4), (-2,-3,4), (-3,5,4), (-3,-2,-4) (-5,2,-4), (-5,3,4)								
LiNbO3	**(1,3,10)**	**6.718**	**76.29**	**53.742**	**55.6**	**1.687**	**93.78**	**21.09**	**96.12**
	Equiv. Refl.: (3,-4,10), (4,-3,10), (-1,4,10), (-3,-1,10), (-4,1,10)								
Sapph	**(0,1,14)**	**6.849**	**82.1**	**46.148**	**42.7**	**0.96**	**40.99**	**12**	**42.71**
	Equiv. Refl.: (0,-1,-14), (1,0,-14), (1,-1,14), (-1,0,14), (-1,1,-14)								
Quartz	**(-2,-1,-5)**	**6.91**	**87.87**	**45.657**	**48.1**	**0.258**	**12.39**	**3.22**	**12.81**
Quartz	**(-2,3,5)**	**6.91**	**87.87**	**45.652**	**48.1**	**0.258**	**12.39**	**3.22**	**12.8**
Quartz	**(3,-2,-5)**	**6.91**	**87.87**	**45.647**	**48.1**	**0.258**	**12.39**	**3.22**	**12.8**
Quartz	**(3,-1,5)**	**6.91**	**87.87**	**45.623**	**48.1**	**0.258**	**12.39**	**3.22**	**12.8**
Quartz	**(-1,3,-5)**	**6.91**	**87.87**	**45.606**	**48.1**	**0.258**	**12.38**	**3.22**	**12.8**
Quartz	**(-1,-2,5)**	**6.91**	**87.87**	**45.594**	**48.1**	**0.258**	**12.38**	**3.22**	**12.79**
LiNbO3	**(0,4,8)**	**6.613**	**73.01**	**42.627**	**40.6**	**2.113**	**85.75**	**26.41**	**89.73**
	Equiv. Refl.: (4,-4,8), (-4,0,8)								
Quartz	**(0,0,-6)**	**6.882**	**84.41**	**37.741**	**36.2**	**0.677**	**24.52**	**8.46**	**25.94**
Quartz	**(0,0,6)**	**6.882**	**84.41**	**37.74**	**36.2**	**0.677**	**24.52**	**8.46**	**25.94**
LiNbO3	**(0,-4,-8)**	**6.613**	**73.01**	**37.129**	**40.6**	**2.113**	**85.75**	**26.41**	**89.73**
	Equiv. Refl.: (4,0,-8), (-4,4,-8)								
Quartz	**(2,1,5)**	**6.91**	**87.87**	**35.619**	**48.1**	**0.258**	**12.39**	**3.22**	**12.81**
Quartz	**(2,-3,-5)**	**6.91**	**87.87**	**35.616**	**48.1**	**0.258**	**12.39**	**3.22**	**12.8**
Quartz	**(-3,2,5)**	**6.91**	**87.87**	**35.611**	**48.1**	**0.258**	**12.39**	**3.22**	**12.8**
Quartz	**(-3,1,-5)**	**6.91**	**87.87**	**35.586**	**48.1**	**0.258**	**12.39**	**3.22**	**12.8**
Quartz	**(1,-3,5)**	**6.91**	**87.87**	**35.571**	**48.1**	**0.258**	**12.38**	**3.22**	**12.8**
Quartz	**(1,2,-5)**	**6.91**	**87.87**	**35.562**	**48.1**	**0.258**	**12.38**	**3.22**	**12.79**
Quartz	**(0,4,-3)**	**6.768**	**78.16**	**30.22**	**27**	**1.449**	**39.17**	**18.11**	**43.15**
	Equiv. Refl.: (0,-4,3)								
Quartz	**(-4,0,-3)**	**6.768**	**78.16**	**30.209**	**27**	**1.449**	**39.16**	**18.11**	**43.14**
Quartz	**(4,0,3)**	**6.768**	**78.16**	**30.208**	**27**	**1.449**	**39.16**	**18.11**	**43.14**
	Equiv. Refl.: (-4,4,3)								
Quartz	**(4,-4,-3)**	**6.768**	**78.16**	**30.207**	**27**	**1.449**	**39.15**	**18.11**	**43.14**
Quartz	**(4,1,1)**	**6.775**	**78.43**	**27.909**	**24.9**	**1.415**	**35.18**	**17.69**	**39.38**
	Equiv. Refl.: (4,-5,-1)								
Quartz	**(1,4,-1)**	**6.775**	**78.43**	**27.906**	**24.9**	**1.415**	**35.17**	**17.69**	**39.37**
Quartz	**(1,-5,1)**	**6.775**	**78.43**	**27.905**	**24.9**	**1.415**	**35.17**	**17.69**	**39.37**
Quartz	**(-5,1,-1)**	**6.775**	**78.43**	**27.904**	**24.9**	**1.415**	**35.17**	**17.69**	**39.37**
	Equiv. Refl.: (-5,4,1)								
Quartz	**(-4,5,1)**	**6.775**	**78.43**	**26.745**	**24.9**	**1.415**	**35.18**	**17.69**	**39.38**
	Equiv. Refl.: (-4,-1,-1)								
Quartz	**(-1,-4,1)**	**6.775**	**78.43**	**26.743**	**24.9**	**1.415**	**35.17**	**17.69**	**39.37**
Quartz	**(-1,5,-1)**	**6.775**	**78.43**	**26.742**	**24.9**	**1.415**	**35.17**	**17.69**	**39.37**
Quartz	**(5,-1,1)**	**6.775**	**78.43**	**26.74**	**24.9**	**1.415**	**35.17**	**17.69**	**39.37**
	Equiv. Refl.: (5,-4,-1)								
Quartz	**(2,-4,-4)**	**6.821**	**80.53**	**25.192**	**23.4**	**1.153**	**26.95**	**14.41**	**30.56**
Quartz	**(-4,2,4)**	**6.821**	**80.53**	**25.191**	**23.4**	**1.153**	**26.95**	**14.41**	**30.56**
Quartz	**(-4,2,-4)**	**6.821**	**80.53**	**25.189**	**23.4**	**1.153**	**26.94**	**14.41**	**30.56**

Ei = Cryst	6.915 Refl (h,k,l)	keV EB [keV]	ΘB [°]	∫ IR dΘ [µrad]	Width [µrad]	Ei cotΘ [meV/µrad]	ΔE [meV]	ΔEg 2m, 50µm [meV]	ΔEt 2m, 50µm [meV]
Quartz	**(2,2,4)**	**6.821**	**80.53**	**25.188**	**23.4**	**1.153**	**26.94**	**14.41**	**30.56**
Quartz	**(2,2,-4)**	**6.821**	**80.53**	**25.187**	**23.4**	**1.153**	**26.94**	**14.41**	**30.55**
	Equiv. Refl.: (2,-4,4)								
Sapph	**(2,2,9)**	**6.754**	**77.6**	**24.978**	**23.8**	**1.521**	**36.26**	**19.01**	**40.94**
	Equiv. Refl.: (2,2,-9), (2,-4,9), (2,-4,-9), (4,-2,9), (4,-2,-9), (-2,4,9), (-2,4,-9), (-2,-2,9), (-2,-2,-9) (-4,2,9), (-4,2,-9)								
Quartz	**(-2,4,4)**	**6.821**	**80.53**	**24.127**	**23.4**	**1.153**	**26.95**	**14.41**	**30.56**
Quartz	**(4,-2,-4)**	**6.821**	**80.53**	**24.125**	**23.4**	**1.153**	**26.95**	**14.41**	**30.56**
Quartz	**(4,-2,4)**	**6.821**	**80.53**	**24.123**	**23.4**	**1.153**	**26.94**	**14.41**	**30.56**
Quartz	**(-2,-2,-4)**	**6.821**	**80.53**	**24.122**	**23.4**	**1.153**	**26.94**	**14.41**	**30.56**
Quartz	**(-2,4,-4)**	**6.821**	**80.53**	**24.12**	**23.4**	**1.153**	**26.94**	**14.41**	**30.55**
	Equiv. Refl.: (-2,-2,4)								
Quartz	**(4,-4,3)**	**6.768**	**78.16**	**18.128**	**17.5**	**1.449**	**25.36**	**18.11**	**31.16**
Quartz	**(4,0,-3)**	**6.768**	**78.16**	**18.127**	**17.5**	**1.449**	**25.36**	**18.11**	**31.16**
Quartz	**(-4,4,-3)**	**6.768**	**78.16**	**18.126**	**17.5**	**1.449**	**25.36**	**18.11**	**31.16**
Quartz	**(-4,0,3)**	**6.768**	**78.16**	**18.125**	**17.5**	**1.449**	**25.36**	**18.11**	**31.16**
Quartz	**(0,4,3)**	**6.768**	**78.16**	**18.12**	**17.5**	**1.449**	**25.35**	**18.11**	**31.16**
	Equiv. Refl.: (0,-4,-3)								
Sapph	**(1,3,-8)**	**6.633**	**73.59**	**17.427**	**16.9**	**2.036**	**34.34**	**25.45**	**42.74**
	Equiv. Refl.: (1,-4,8), (3,1,8), (3,-4,-8), (4,-1,8), (4,-3,-8), (-1,4,-8), (-1,-3,8), (-3,4,8), (-3,-1,-8) (-4,1,-8), (-4,3,8)								
Quartz	**(-4,5,-1)**	**6.775**	**78.43**	**8.26**	**9.4**	**1.415**	**13.29**	**17.69**	**22.13**
	Equiv. Refl.: (-4,-1,1)								
Quartz	**(-1,5,1)**	**6.775**	**78.43**	**8.259**	**9.4**	**1.415**	**13.29**	**17.69**	**22.13**
	Equiv. Refl.: (-1,-4,-1)								
Quartz	**(5,-1,-1)**	**6.775**	**78.43**	**8.257**	**9.4**	**1.415**	**13.29**	**17.69**	**22.13**
	Equiv. Refl.: (5,-4,1)								
Quartz	**(1,4,1)**	**6.775**	**78.43**	**8.077**	**9.4**	**1.415**	**13.29**	**17.69**	**22.13**
	Equiv. Refl.: (4,1,-1), (4,-5,1)								
Quartz	**(1,-5,-1)**	**6.775**	**78.43**	**8.076**	**9.4**	**1.415**	**13.29**	**17.69**	**22.13**
Quartz	**(-5,1,1)**	**6.775**	**78.43**	**8.074**	**9.4**	**1.415**	**13.29**	**17.69**	**22.13**
	Equiv. Refl.: (-5,4,-1)								
Quartz	**(3,-5,-2)**	**6.752**	**77.55**	**7.626**	**8.3**	**1.526**	**12.74**	**19.08**	**22.94**
Quartz	**(3,2,2)**	**6.752**	**77.55**	**7.625**	**8.3**	**1.526**	**12.74**	**19.08**	**22.94**
Quartz	**(-5,2,-2)**	**6.752**	**77.55**	**7.623**	**8.3**	**1.526**	**12.73**	**19.08**	**22.94**
	Equiv. Refl.: (-5,3,2)								
Quartz	**(2,3,-2)**	**6.752**	**77.55**	**7.622**	**8.3**	**1.526**	**12.73**	**19.08**	**22.94**
	Equiv. Refl.: (2,-5,2)								
Quartz	**(-3,5,2)**	**6.752**	**77.55**	**7.292**	**8.3**	**1.526**	**12.74**	**19.08**	**22.94**
	Equiv. Refl.: (-3,-2,-2)								
Quartz	**(5,-2,2)**	**6.752**	**77.55**	**7.29**	**8.3**	**1.526**	**12.73**	**19.08**	**22.94**
	Equiv. Refl.: (5,-3,-2)								
Quartz	**(-2,5,-2)**	**6.752**	**77.55**	**7.289**	**8.3**	**1.526**	**12.73**	**19.08**	**22.94**
	Equiv. Refl.: (-2,-3,2)								
LiNbO3	**(1,2,-13)**	**6.88**	**84.2**	**6.576**	**19.6**	**0.703**	**13.74**	**8.78**	**16.31**
	Equiv. Refl.: (1,-3,13), (2,1,13), (3,-1,13), (-1,3,-13), (-1,-2,13), (-2,-1,-13), (-3,1,-13)								
LiNbO3	**(2,-3,-13)**	**6.88**	**84.2**	**6.575**	**19.6**	**0.703**	**13.74**	**8.78**	**16.31**
	Equiv. Refl.: (3,-2,-13), (-2,3,13), (-3,2,13)								

Ei = Cryst	6.915 Refl (h,k,l)	keV EB [keV]	ΘB [°]	∫ IR dΘ [µrad]	Width [µrad]	Ei cotΘ [meV/µrad]	ΔE [meV]	ΔEg 2m, 50µm [meV]	ΔEt 2m, 50µm [meV]
Sapph	**(2,3,-1)**	**6.575**	**71.96**	**5.932**	**7.2**	**2.253**	**16.3**	**28.16**	**32.54**
	Equiv. Refl.: (2,-5,1), (3,2,1), (3,-5,-1), (5,-2,1), (5,-3,-1), (-2,5,-1), (-2,-3,1), (-3,5,1), (-3,-2,-1) (-5,2,-1), (-5,3,1)								
Sapph	**(1,2,11)**	**6.588**	**72.32**	**4.608**	**6.1**	**2.204**	**13.35**	**27.55**	**30.62**
	Equiv. Refl.: (1,-3,-11), (2,1,-11), (2,-3,11), (3,-1,-11), (3,-2,11), (-1,3,11), (-1,-2,-11), (-2,3,-11), (-2,-1,11) (-3,1,11), (-3,2,-11)								
LiNbO3	**(1,4,3)**	**6.512**	**70.34**	**3.237**	**7.9**	**2.471**	**19.58**	**30.89**	**36.57**
	Equiv. Refl.: (1,4,-3), (1,-5,3), (1,-5,-3), (4,1,3), (4,1,-3), (4,-5,3), (4,-5,-3), (5,-1,3), (5,-1,-3) (5,-4,3), (5,-4,-3), (-1,5,3), (-1,5,-3), (-1,-4,3), (-1,-4,-3), (-4,5,3), (-4,5,-3), (-4,-1,3) (-4,-1,-3), (-5,1,3), (-5,1,-3), (-5,4,3), (-5,4,-3)								
Quartz	**(2,3,2)**	**6.752**	**77.55**	**2.605**	**4.2**	**1.526**	**6.34**	**19.08**	**20.1**
	Equiv. Refl.: (2,-5,-2)								
Quartz	**(-5,3,-2)**	**6.752**	**77.55**	**2.602**	**4.1**	**1.526**	**6.33**	**19.08**	**20.1**
Quartz	**(-5,2,2)**	**6.752**	**77.55**	**2.601**	**4.1**	**1.526**	**6.33**	**19.08**	**20.1**
Quartz	**(3,2,-2)**	**6.752**	**77.55**	**2.6**	**4.1**	**1.526**	**6.33**	**19.08**	**20.1**
	Equiv. Refl.: (3,-5,2)								
Quartz	**(-2,5,2)**	**6.752**	**77.55**	**2.04**	**4.2**	**1.526**	**6.34**	**19.08**	**20.1**
	Equiv. Refl.: (-2,-3,-2)								
Quartz	**(5,-3,2)**	**6.752**	**77.55**	**2.038**	**4.1**	**1.526**	**6.33**	**19.08**	**20.1**
Quartz	**(5,-2,-2)**	**6.752**	**77.55**	**2.036**	**4.1**	**1.526**	**6.33**	**19.08**	**20.1**
	Equiv. Refl.: (-3,5,-2), (-3,-2,2)								
LiNbO3	**(2,3,-7)**	**6.822**	**80.57**	**1.504**	**7.3**	**1.148**	**8.35**	**14.35**	**16.61**
	Equiv. Refl.: (2,-5,7), (3,2,7), (3,-5,-7), (5,-2,7), (5,-3,-7), (-2,5,-7), (-2,-3,7), (-3,5,7), (-3,-2,-7) (-5,2,-7), (-5,3,7)								
Quartz	**(1,4,0)**	**6.677**	**74.92**	**0.66**	**1.3**	**1.864**	**2.39**	**23.3**	**23.42**
	Equiv. Refl.: (1,-5,0), (4,1,0), (4,-5,0), (-5,1,0), (-5,4,0)								
Quartz	**(5,-1,0)**	**6.677**	**74.92**	**0.209**	**1.3**	**1.864**	**2.39**	**23.3**	**23.42**
	Equiv. Refl.: (5,-4,0), (-1,5,0), (-1,-4,0), (-4,5,0), (-4,-1,0)								
Sapph	**(2,3,2)**	**6.627**	**73.4**	**0.056**	**0.5**	**2.062**	**1.09**	**25.77**	**25.79**
	Equiv. Refl.: (2,-5,-2), (3,2,-2), (3,-5,2), (5,-2,-2), (5,-3,2), (-2,5,2), (-2,-3,-2), (-3,5,-2), (-3,-2,2) (-5,2,2), (-5,3,-2)								