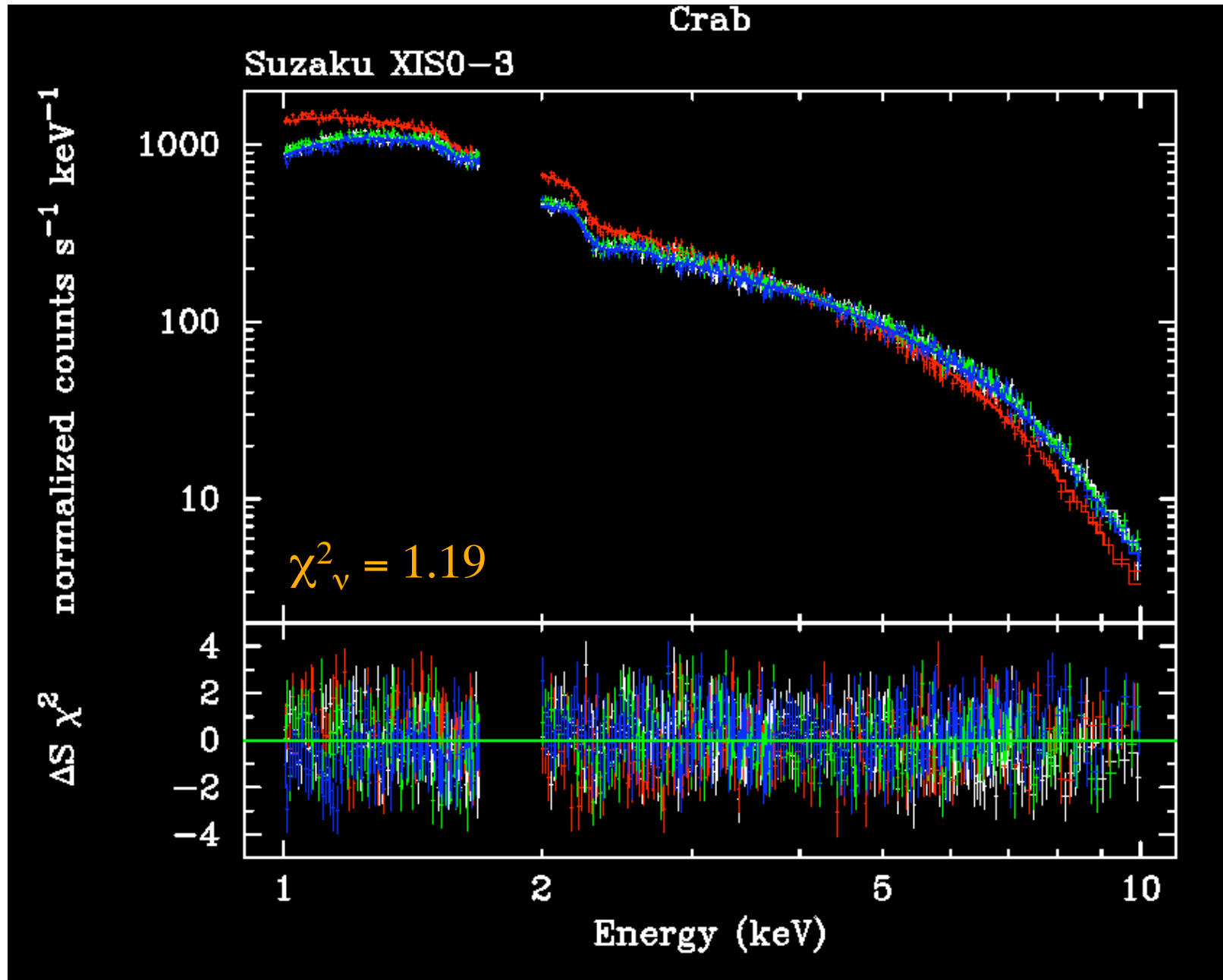


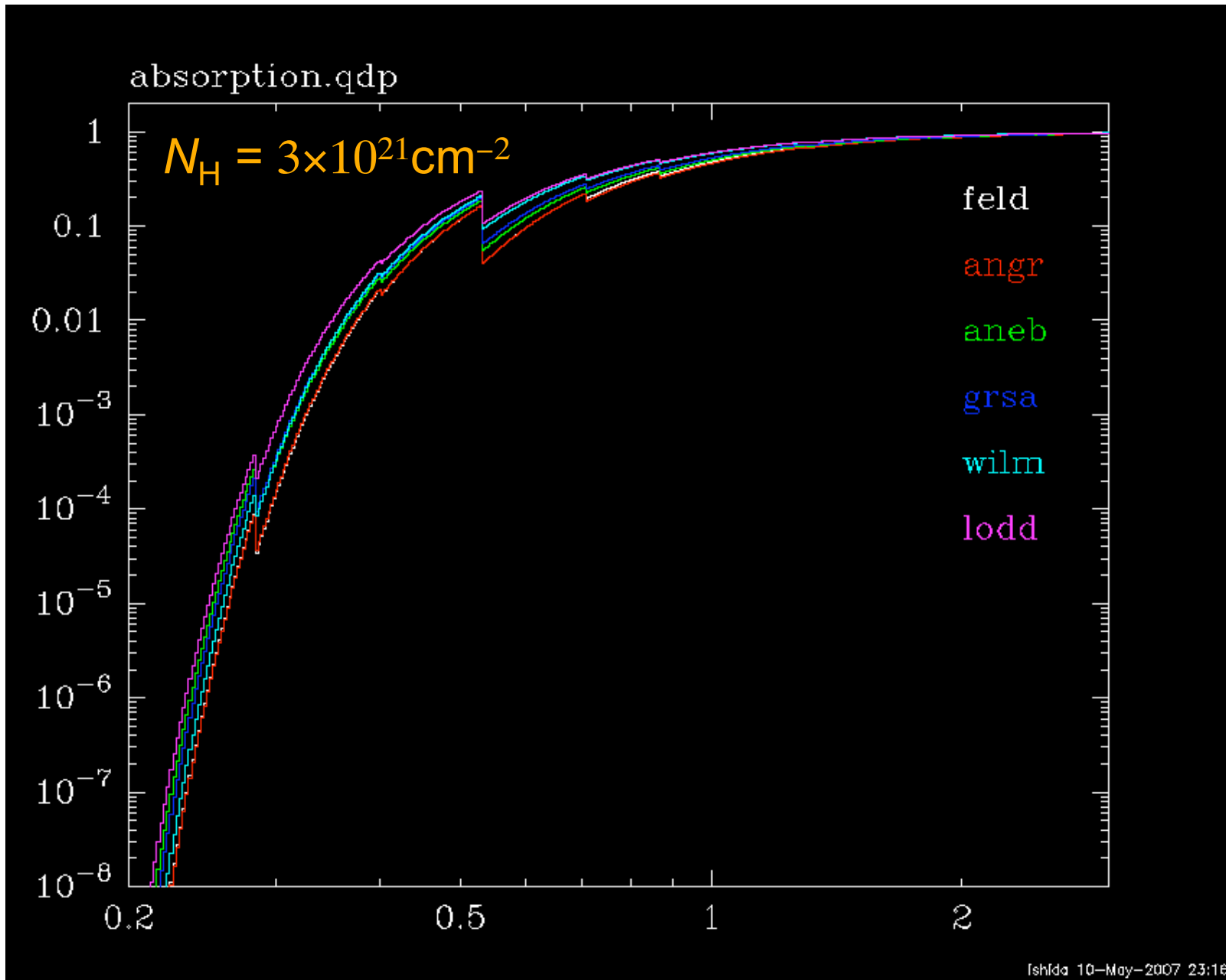
Fit phabs*pegpwrlw to Suzaku XIS0-3 with bcmc/wilm



Dependence of the parameters on Abundance Table

Satellite	Det	xsect	Abun	E-band for fit	NH 10^{21}cm^2	ph. Index	Norm $10^{-8} \text{erg/cm}^2/\text{s}$	χ^2_ν	Flux ($10^{-8} \text{erg/cm}^2/\text{s}$)			
									0.5-2	2-10	20-50	50-100
Suzaku	XIS	bcmc	wilm	1.0-10.0	4.61 ± 0.10	2.070 ± 0.008	2.239 ± 0.012	1.19	-	2.170	-	-
			angr	1.0-10.0	3.19 ± 0.07	2.077 ± 0.008	2.244 ± 0.012	1.19	-	2.169	-	-

Photoelectric absorption with different abundance tables



Fit to Crab

- We have to define column densities of each element rather than using one particular abundance table.
- RGS can determine column densities of (C,) N, O, Ne, Fe(L-edge).
- Use “angr” at the moment as the abundance table to keep consistency with historical value of N_{H} , and fill the table, and eventually adopt RGS values.
- Use “bcmc”
- Model: phabs * pegpwrlw
- Fill the table...

Satellite	Det	xsect	Abun	E-band for fit	NH 10^{21}cm^2	ph. Index	Norm (2-10) $10^{-8}\text{erg/cm}^2/\text{s}$	χ^2_ν	Observed Flux ($10^{-8}\text{erg/cm}^2/\text{s}$)			
									0.5-2	2-10	20-50	50-100
Suzaku	XIS	bcmc	wilm	1.0-10.0	4.61 ± 0.10	2.070 ± 0.008	2.239 ± 0.012	1.19	-	2.170	-	-
			angr	1.0-10.0	3.19 ± 0.07	2.077 ± 0.008	2.244 ± 0.012	1.19	-	2.169	-	-
	PIN	angr	12.0-70.0	3.19 (fixed)	2.110 ± 0.007	2.267 ± 0.023	1.03	-	-	1.039	-	
RXTE	HEXTE	bcmc	angr	20-240	3.19 (fixed)	2.087 ± 0.008	1.929 ± 0.027	0.99	-	-	0.928	0.657
XMM	pn	bcmc	angr	1.0-10.0	$2.41^{+0.03}_{-0.07}$	$2.107^{+0.004}_{-0.009}$	$1.876^{+0.003}_{-0.006}$	1.31	-	1.827	-	-
INTEGRAL	SPI	bcmc	angr	22-100	3.19 (fixed)	2.123 ± 0.014	\pm	0.7	-	-	1.04	0.73
RXTE	PCA			3-50	3.19 (fixed)	2.114	2.4018	2.63	-	2.320	1.09	-
Swift	BAT	bcmc	angr	30-100	3.19 (fixed)	2.10 ± 0.06	1.74 ± 0.25	0.82	-	-	0.82	0.57

- We are going to do the same thing to G21.5-0.9, 3C58 and PSR1509+58...