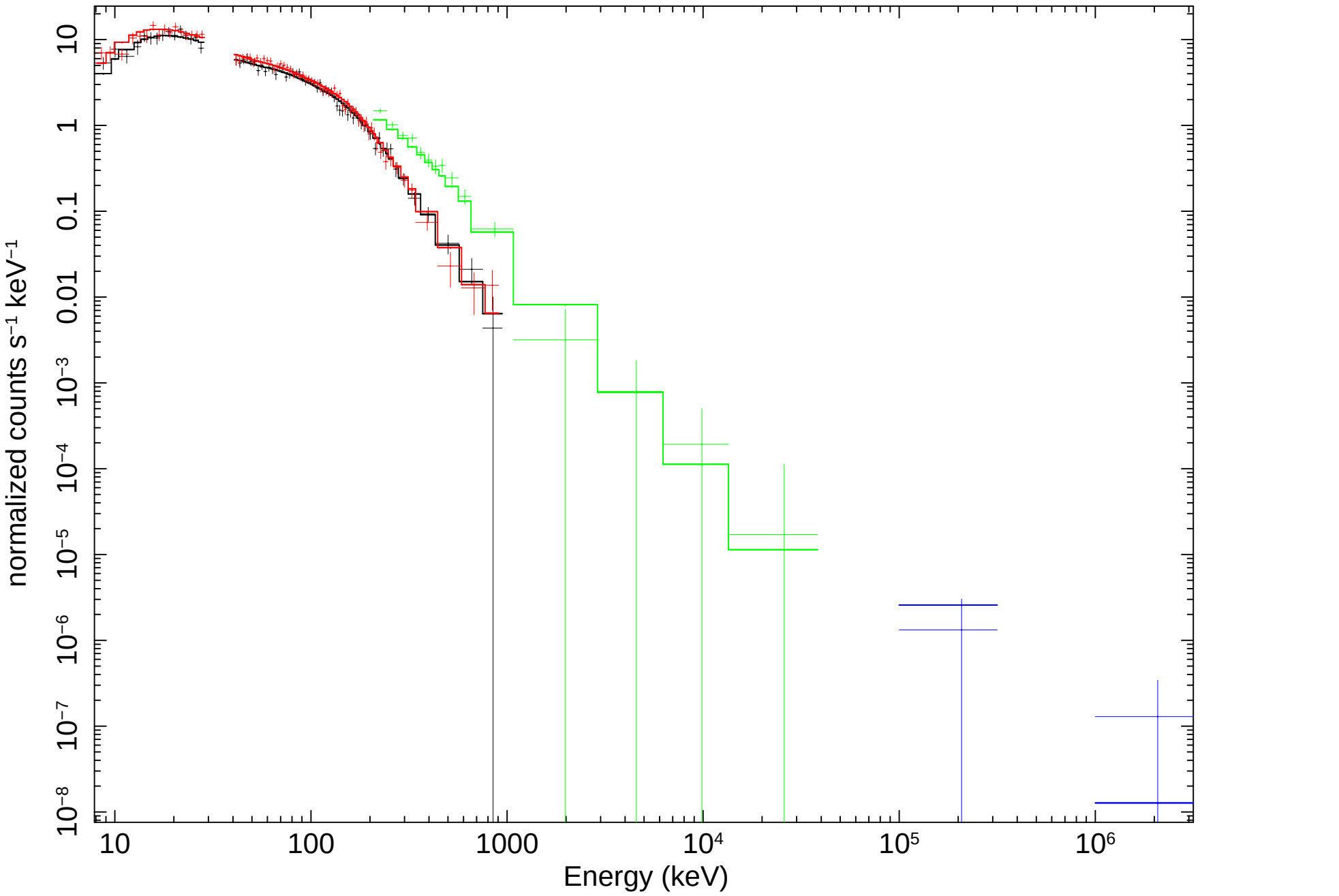
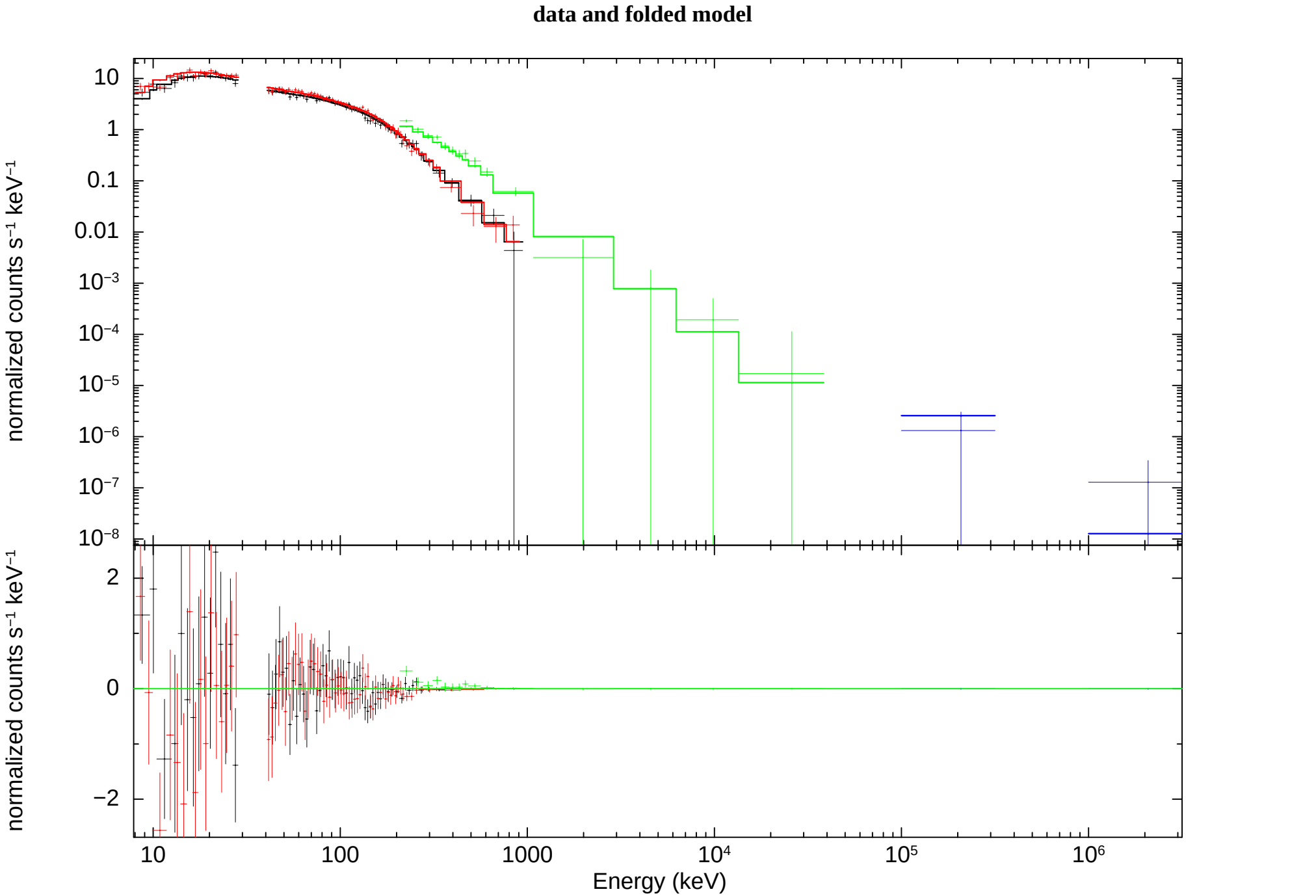
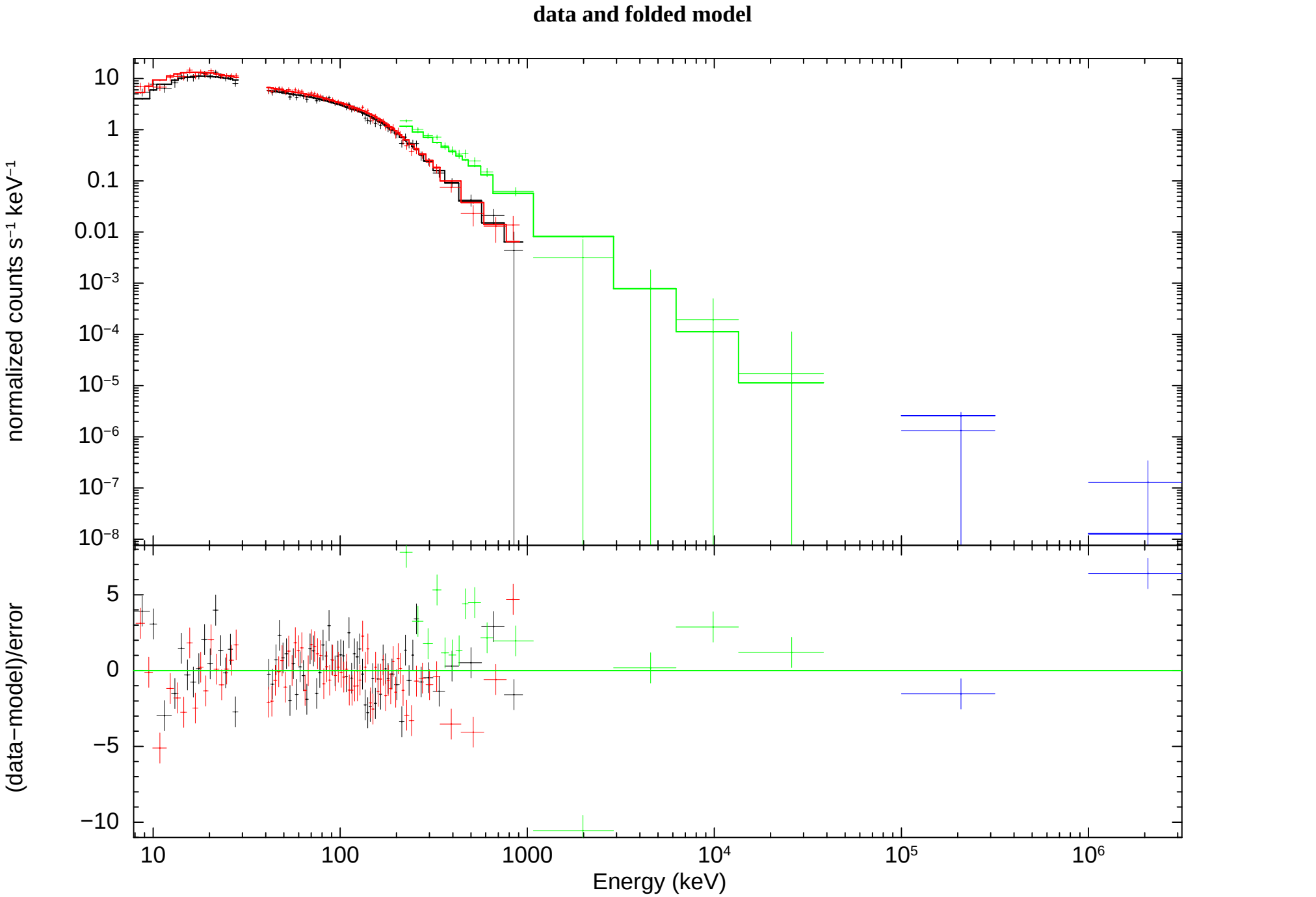
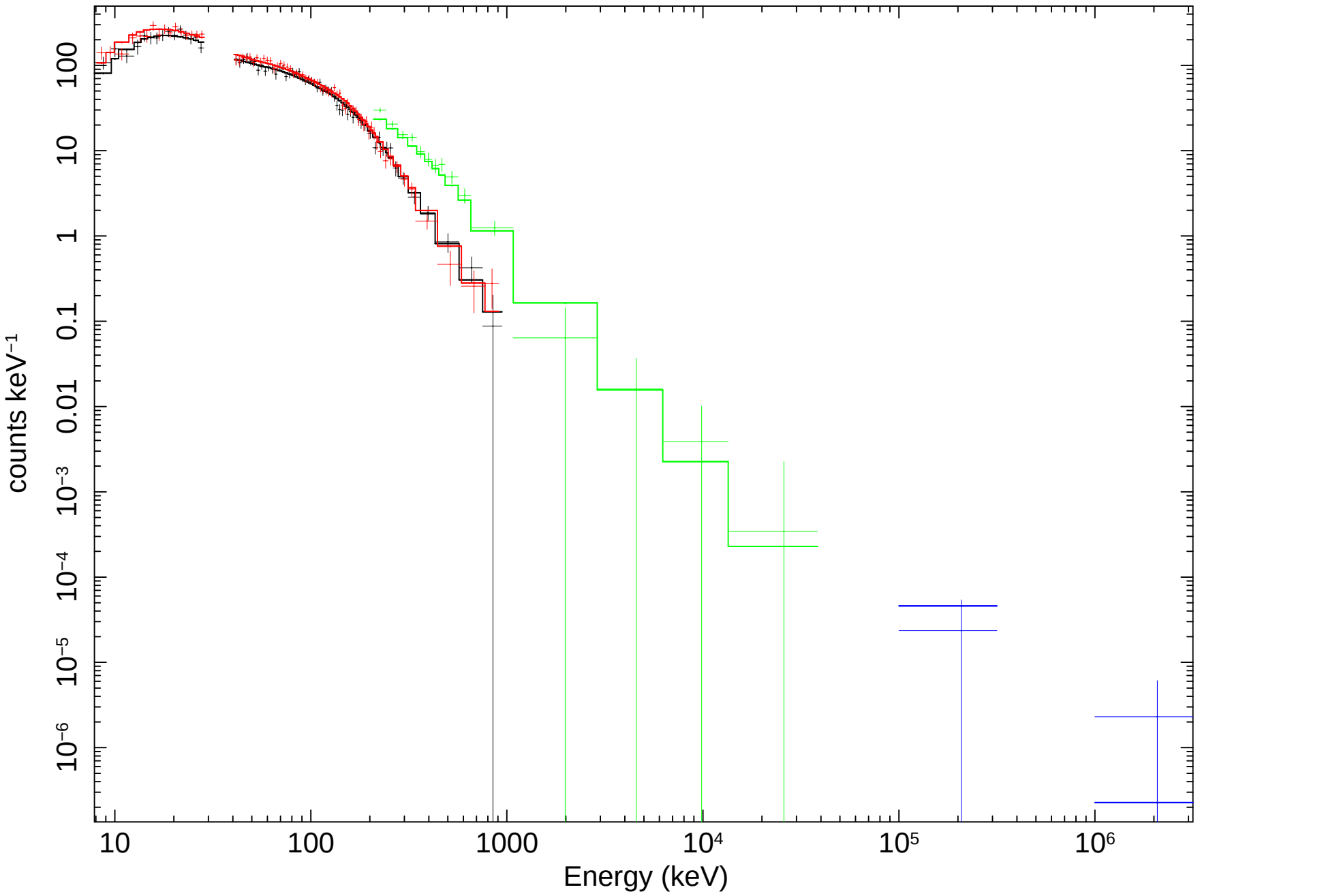
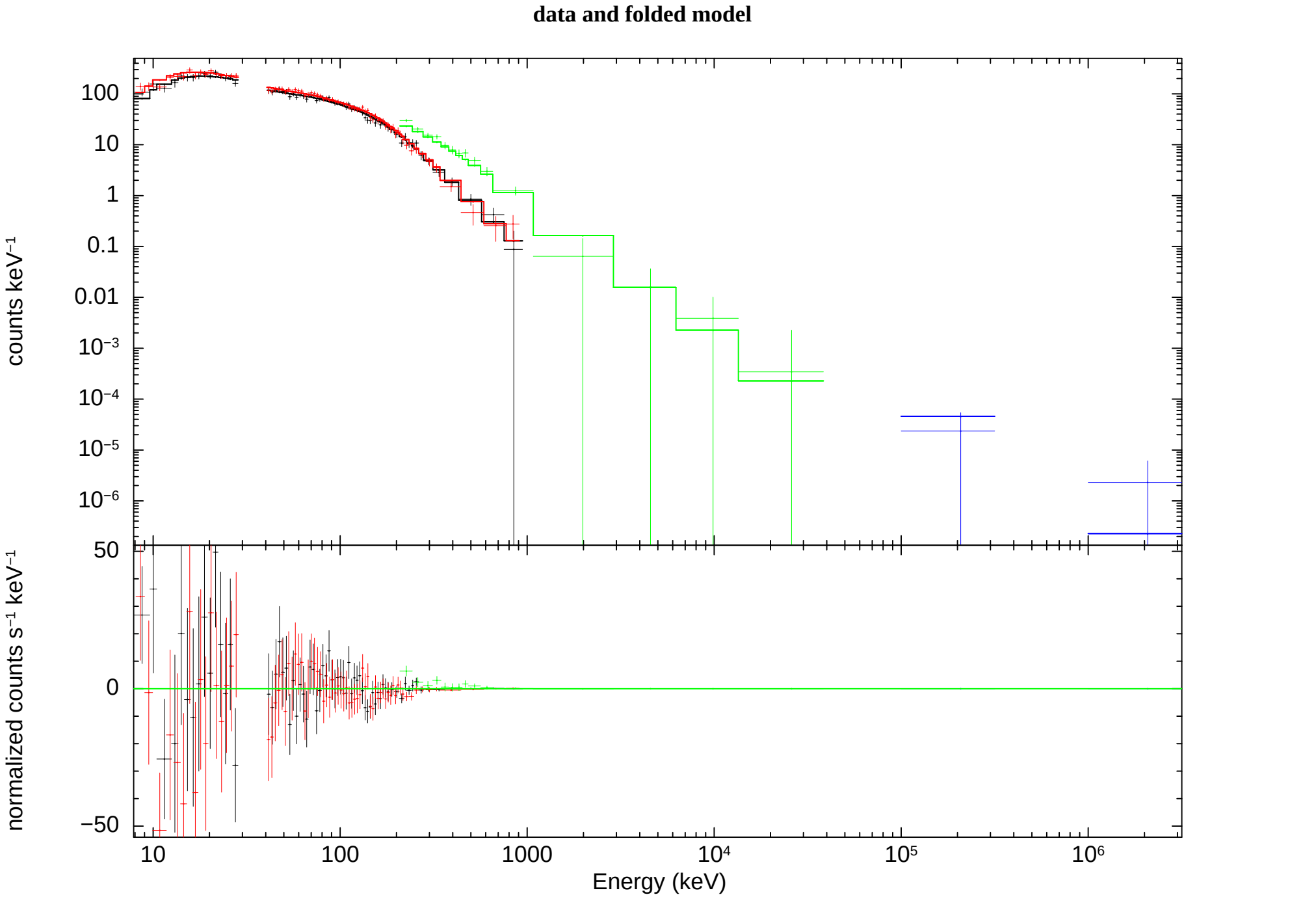
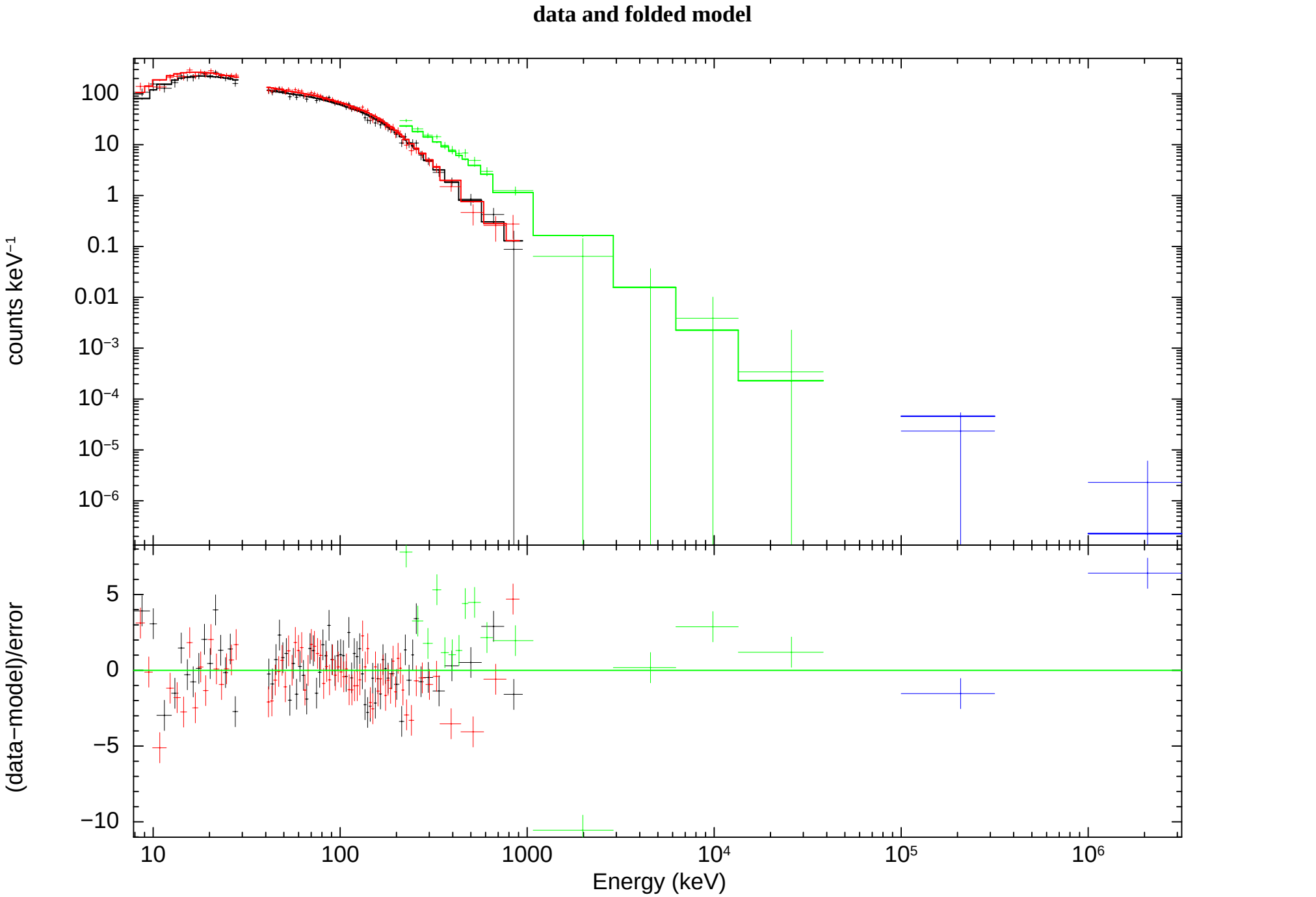

data and folded model
normalized counts s^{-1} keV^{-1}
Energy (keV)
10
100
1000
10^4
10^5
10^6
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
0.01
0.1
1
10
KimiZ 20−Dec−2016 10:16

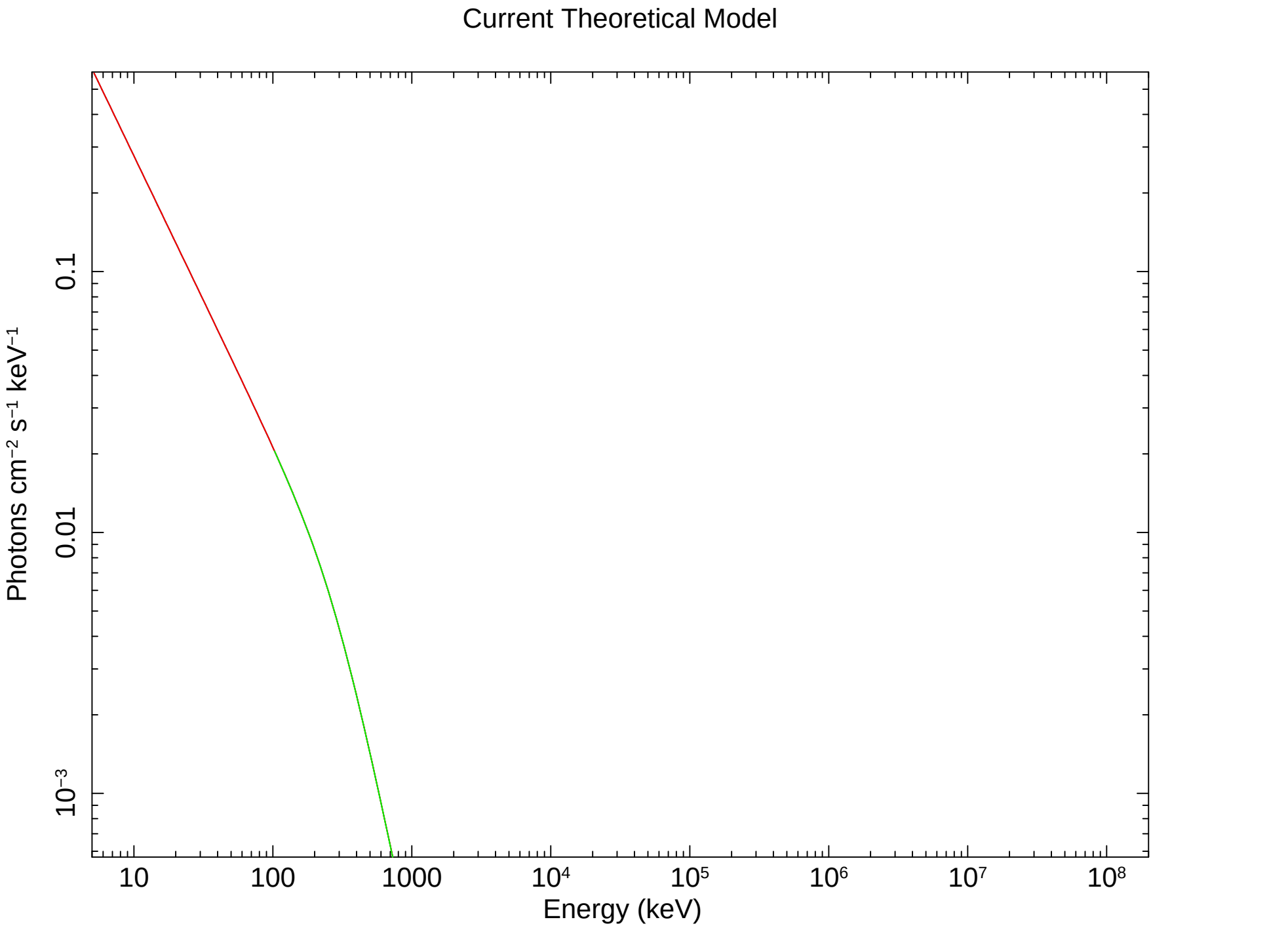

data and folded model
normalized counts s⁻¹ keV⁻¹
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
10⁻⁸
normalized counts s⁻¹ keV⁻¹
2
0
−2
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:16

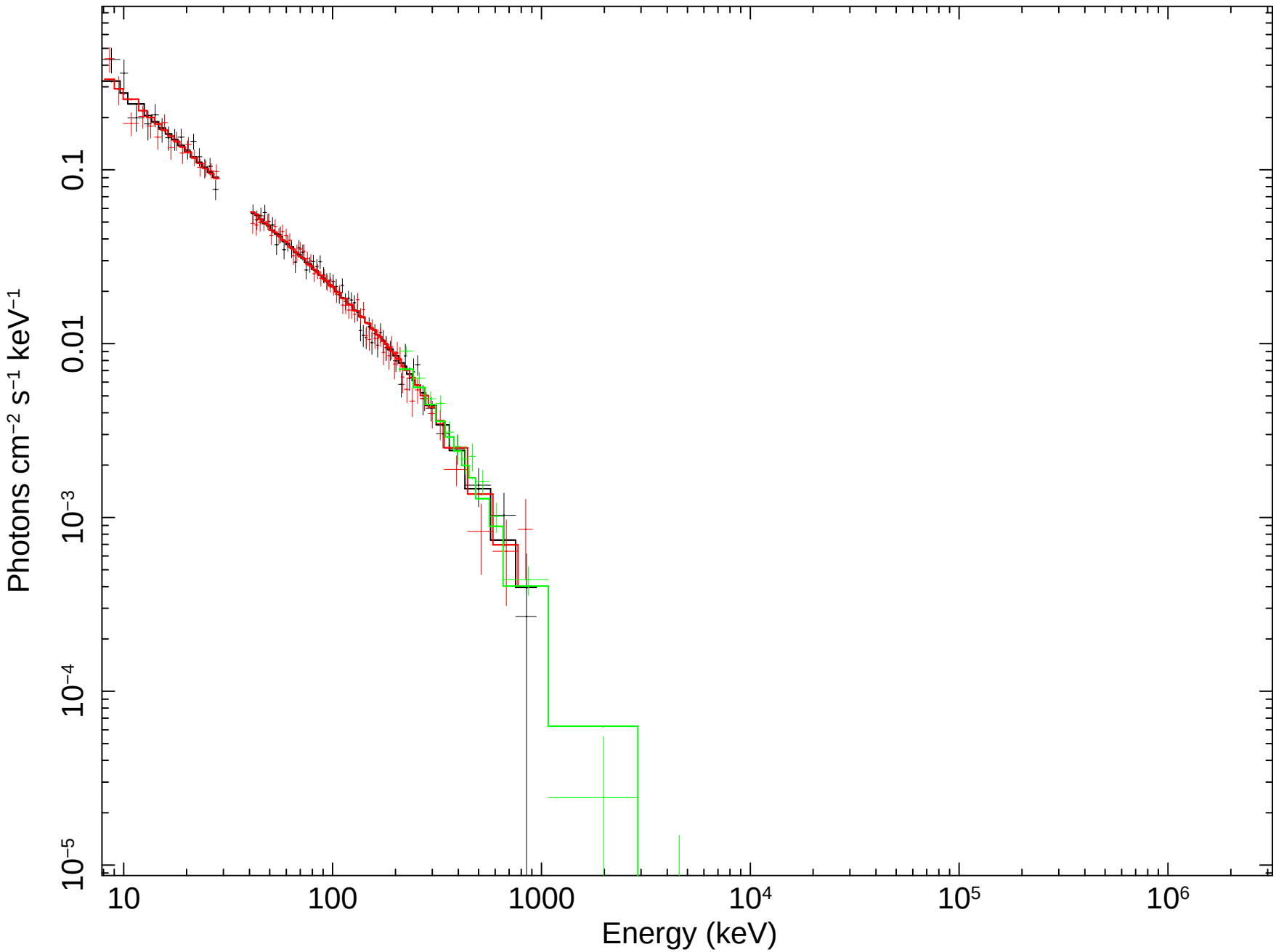

data and folded model
normalized counts s⁻¹ keV⁻¹
(data−model)/error
Energy (keV)
KimiZ 20−Dec−2016 10:16

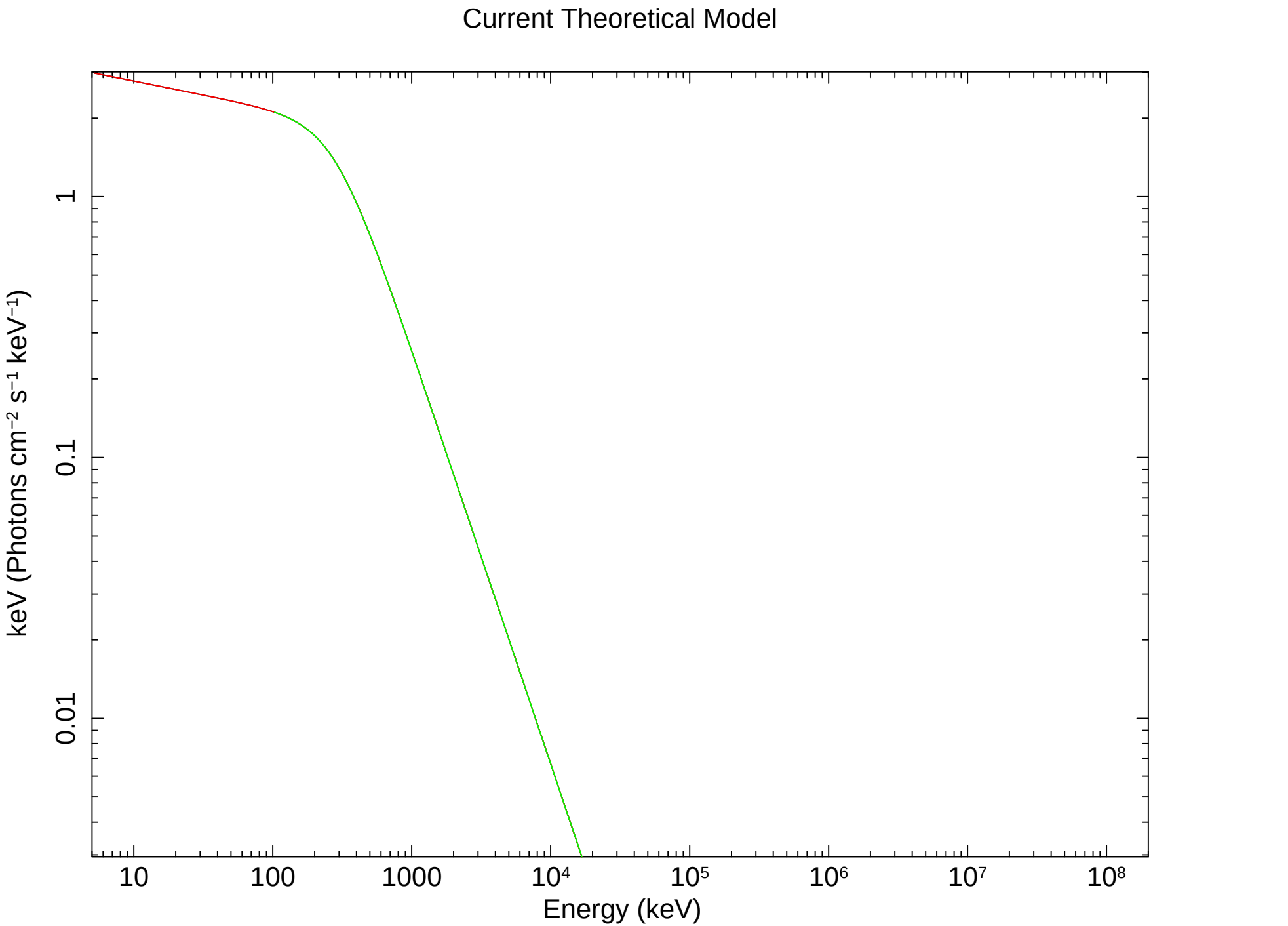

data and folded model
counts keV⁻¹
Energy (keV)
10
100
1000
10⁴
10⁵
10⁶
10⁻⁶
10⁻⁵
10⁻⁴
10⁻³
0.01
0.1
1
10
100
KimiZ 20−Dec−2016 10:16

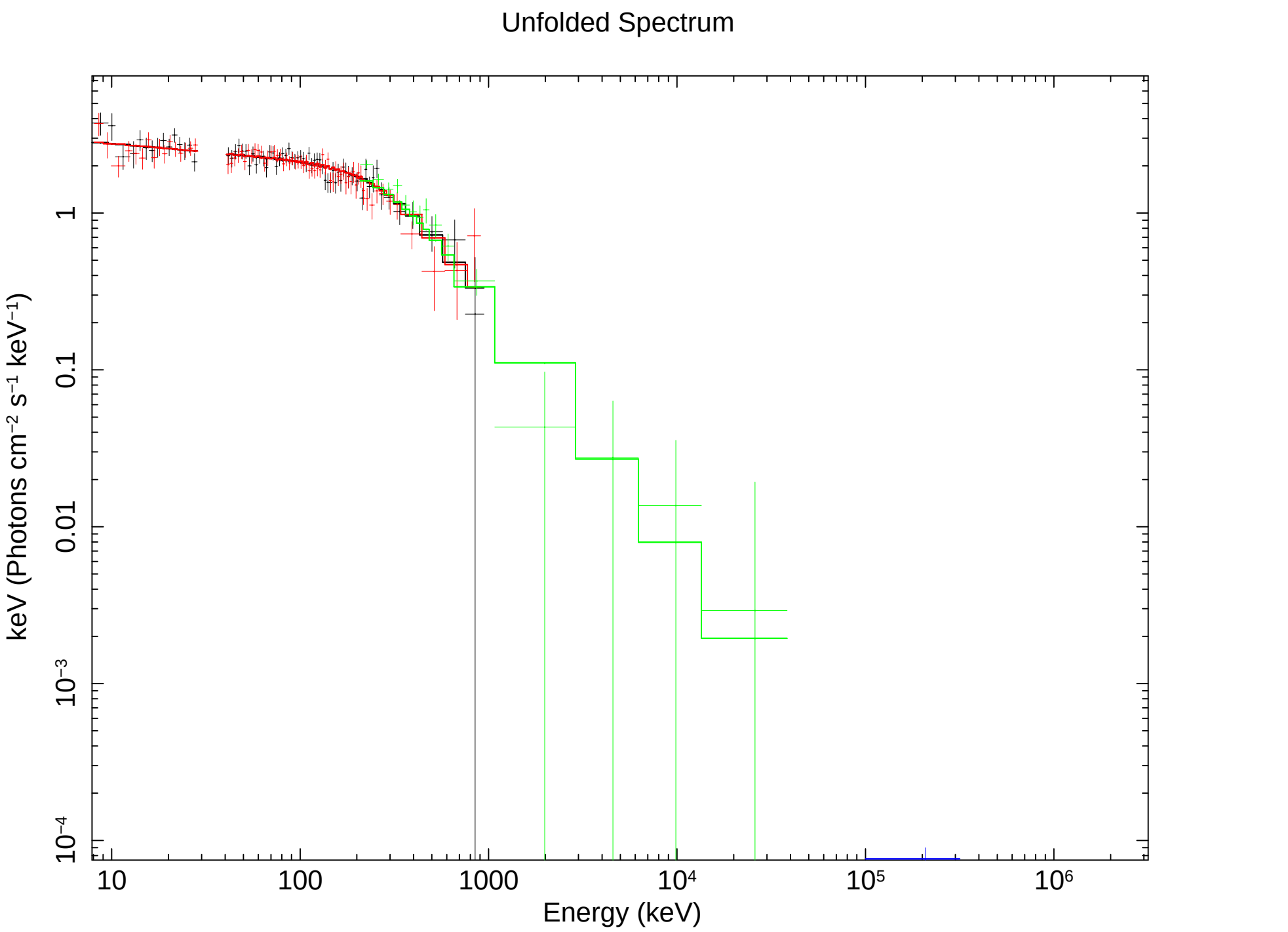

data and folded model
counts keV⁻¹
100
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
normalized counts s⁻¹ keV⁻¹
50
0
−50
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:16

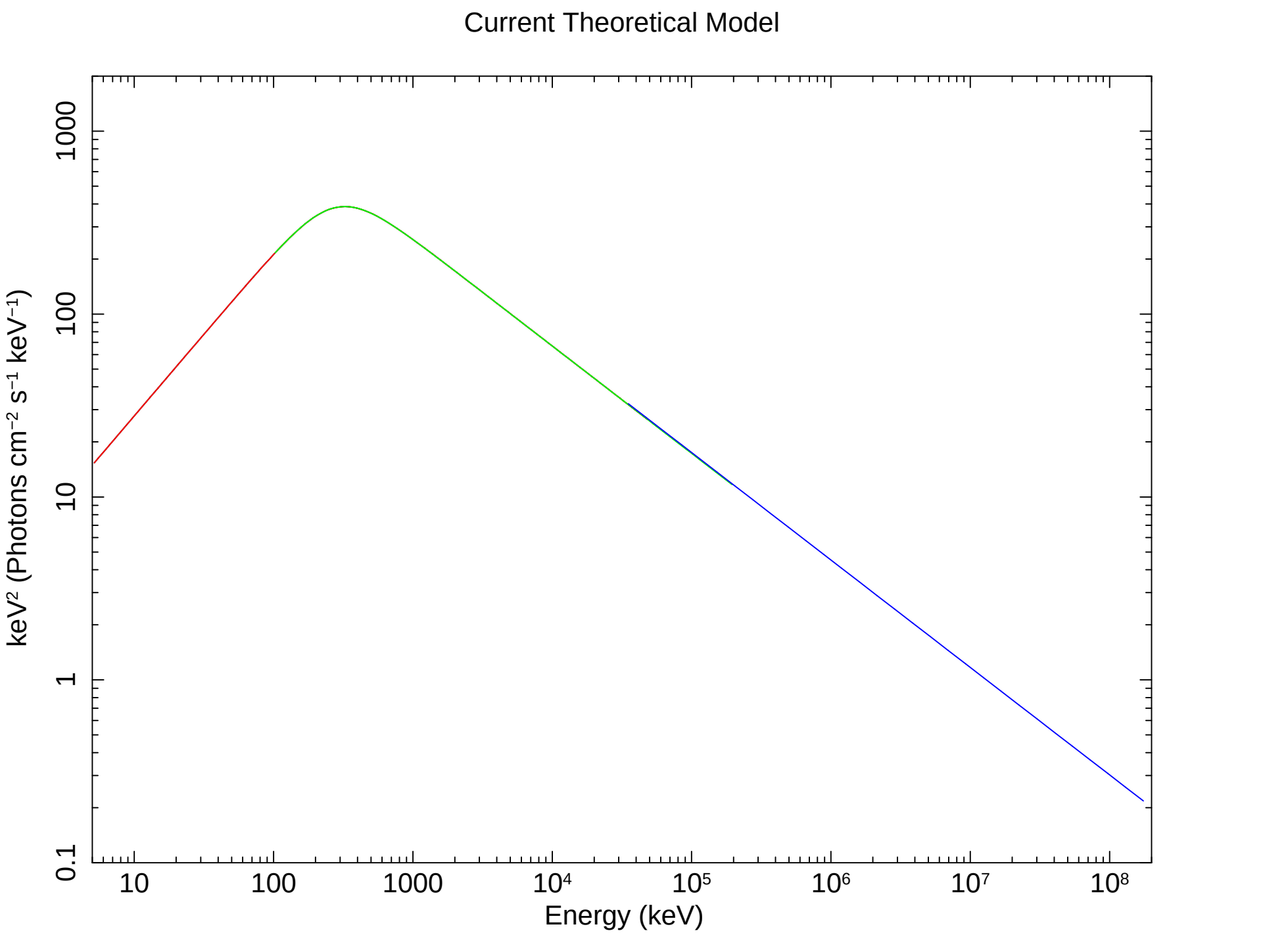

data and folded model
counts keV⁻¹
(data−model)/error
Energy (keV)
KimiZ 20−Dec−2016 10:16

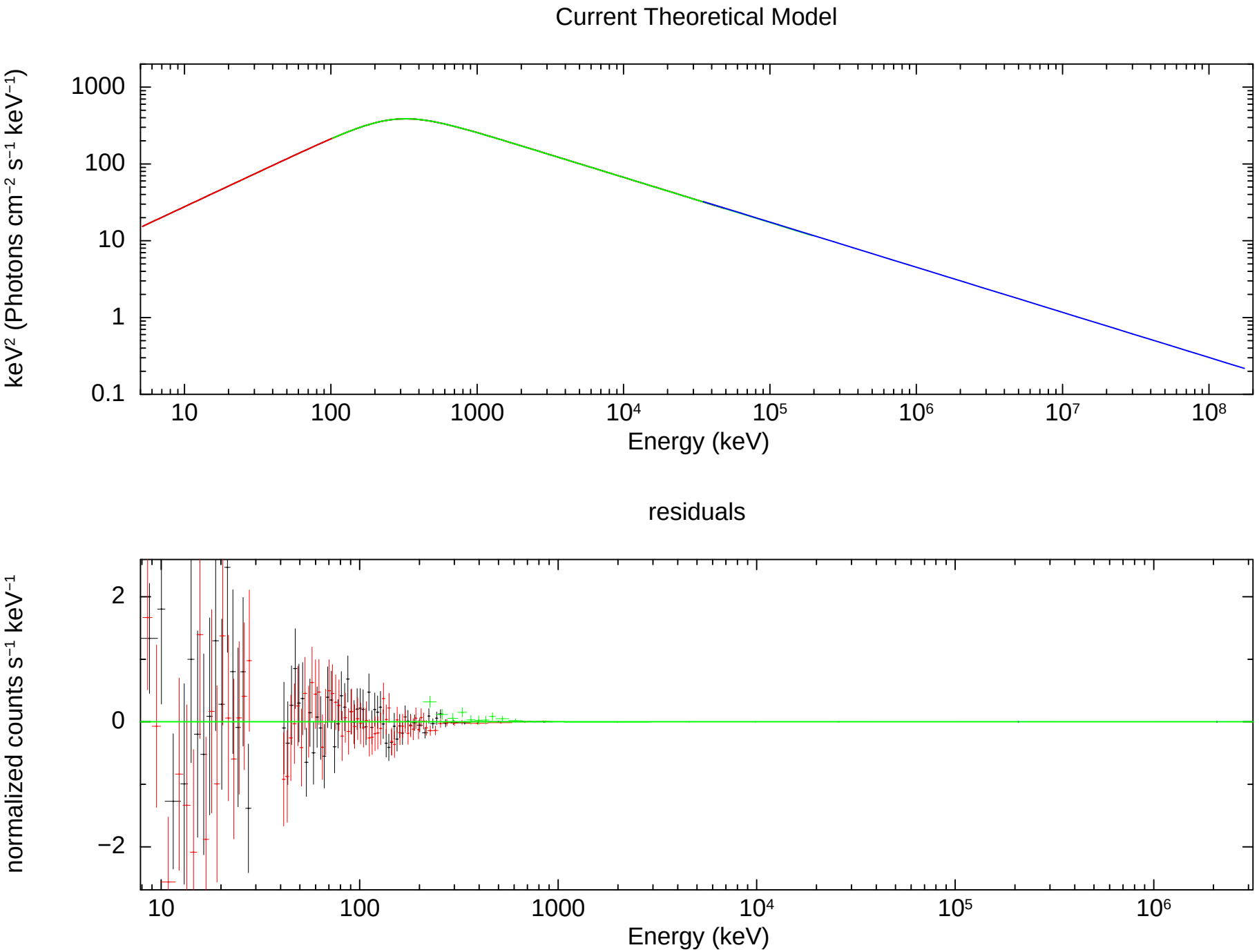

Current Theoretical Model
Photons cm^{-2} s^{-1} keV^{-1}
0.1
0.01
10^{-3}
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 20−Dec−2016 10:16

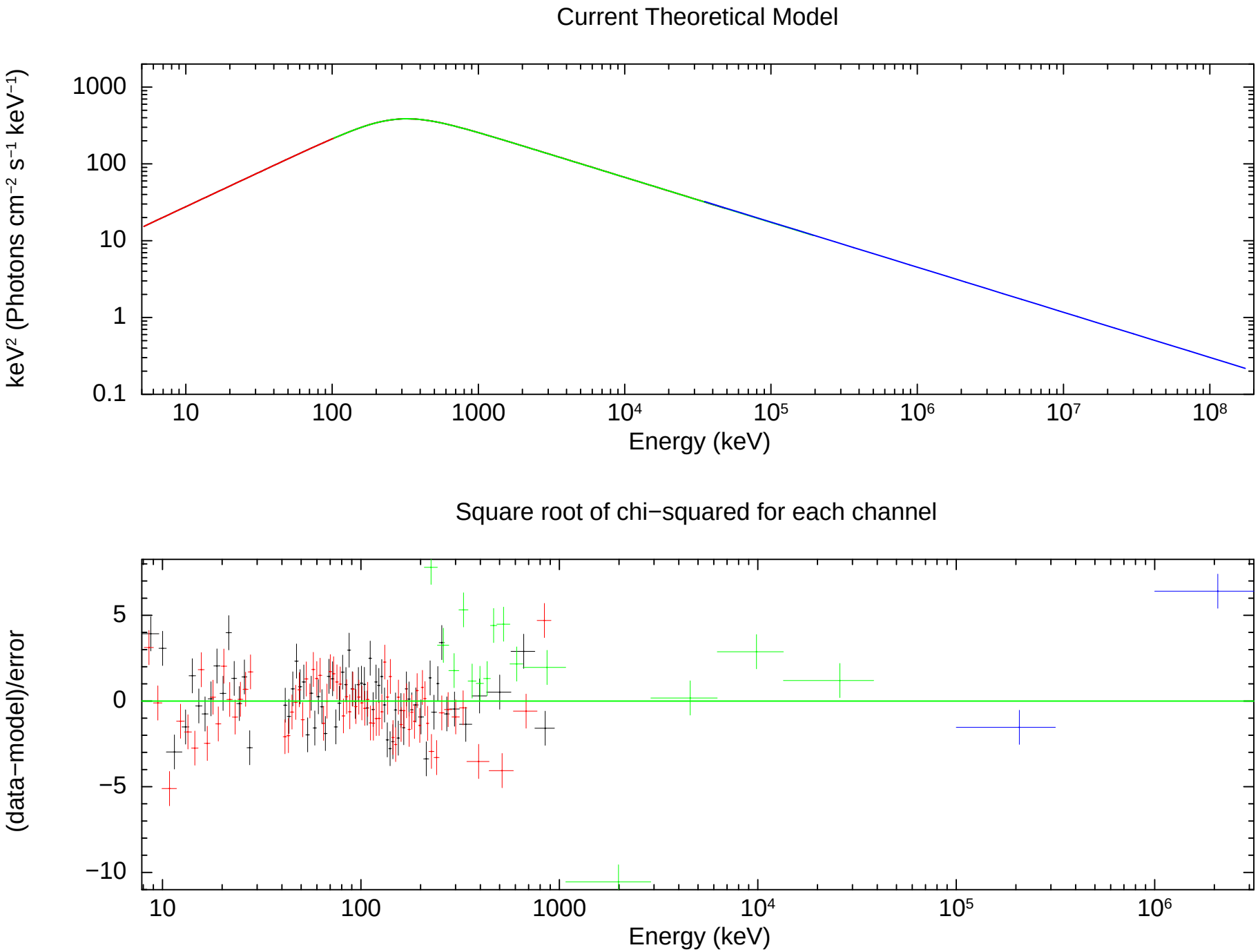

Unfolded Spectrum
Photons cm^{-2} s^{-1} keV^{-1}
0.1
0.01
10^{-3}
10^{-4}
10^{-5}
10
100
1000
10^{4}
10^{5}
10^{6}
Energy (keV)
KimiZ 20−Dec−2016 10:16

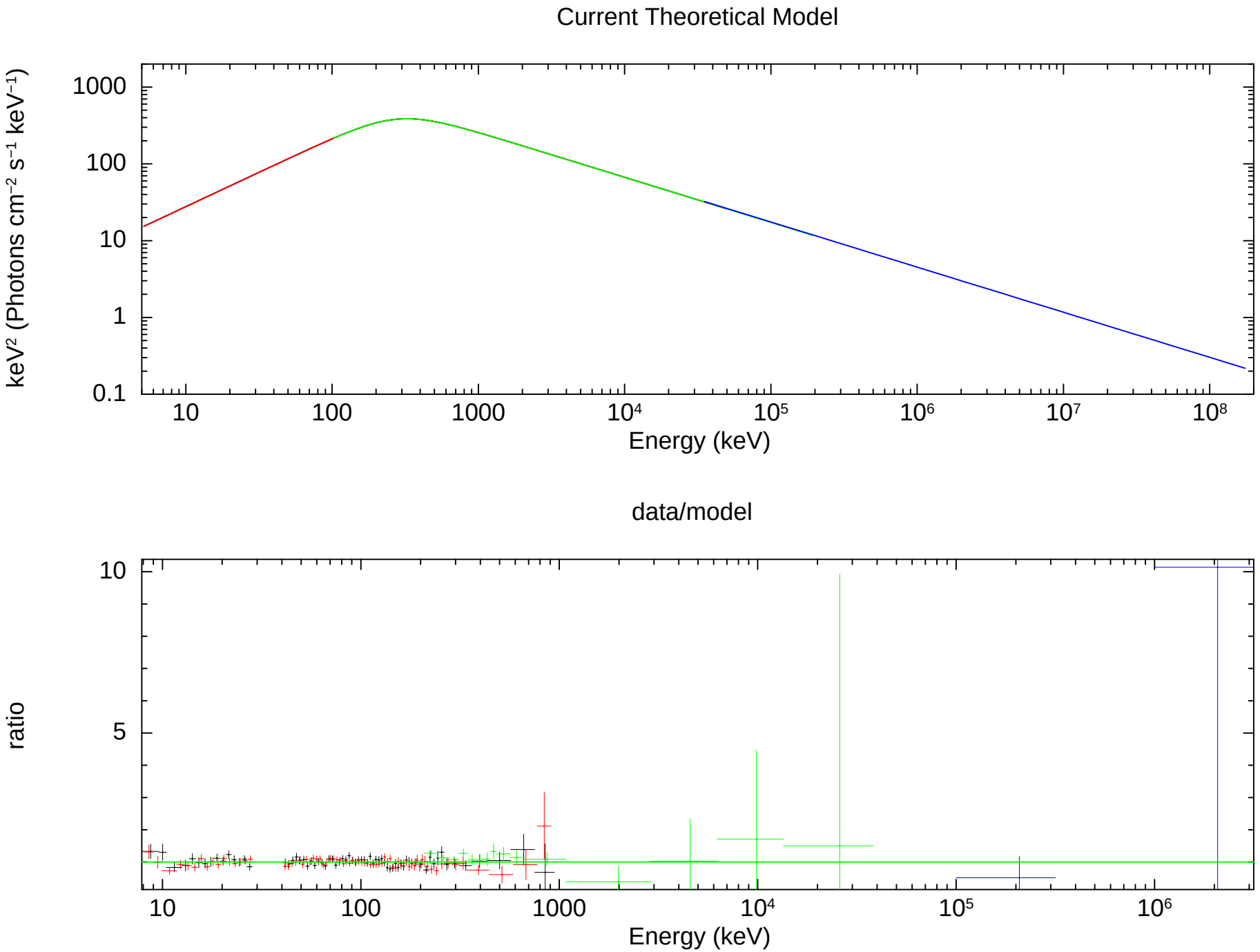

Current Theoretical Model
keV (Photons cm^{-2} s^{-1} keV^{-1})
1
0.1
0.01
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 20−Dec−2016 10:16

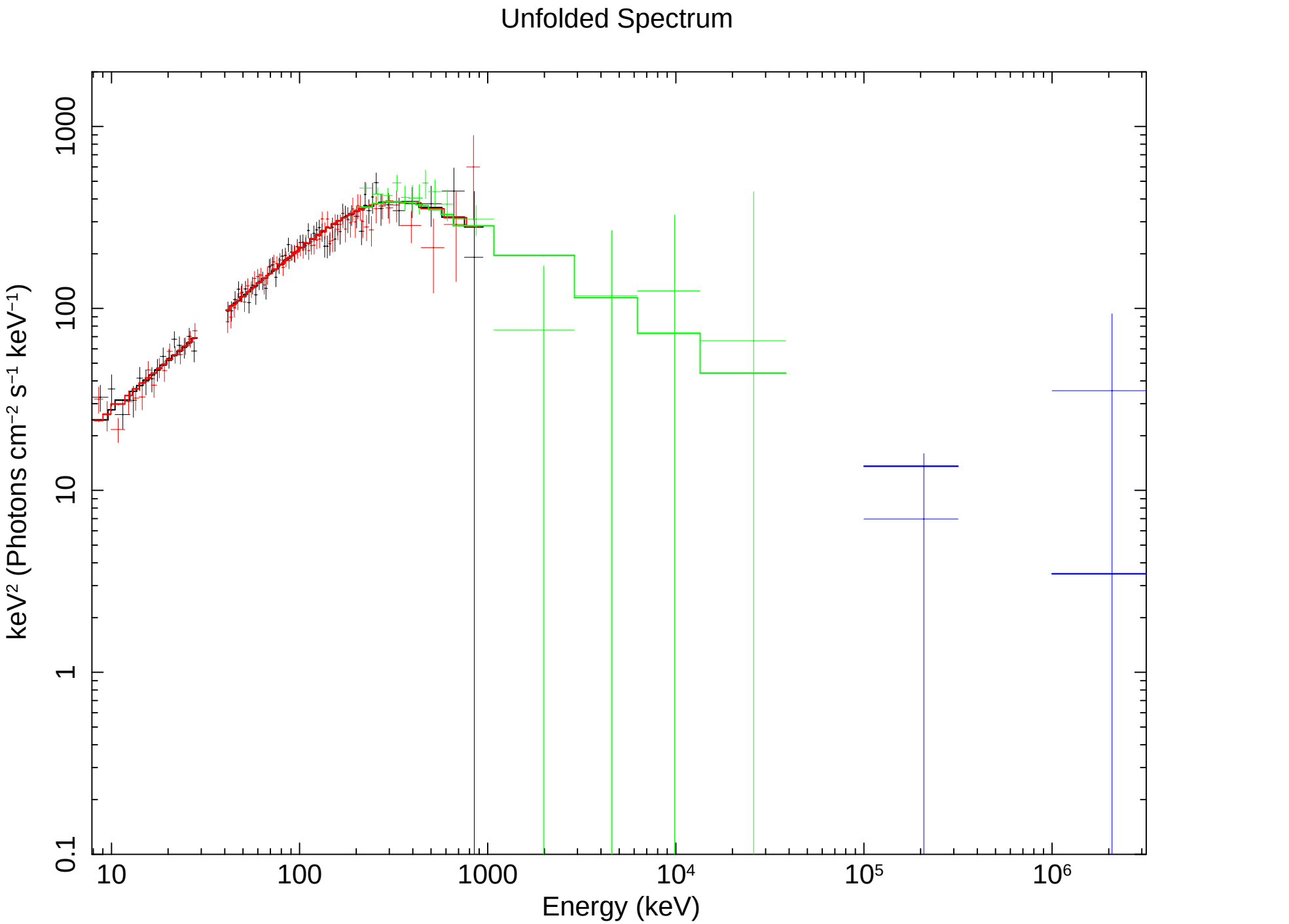

Unfolded Spectrum
keV (Photons cm^{-2} s^{-1} keV^{-1})
1
0.1
0.01
10^{-3}
10^{-4}
10
100
1000
10^4
10^5
10^6
Energy (keV)
KimiZ 20−Dec−2016 10:16

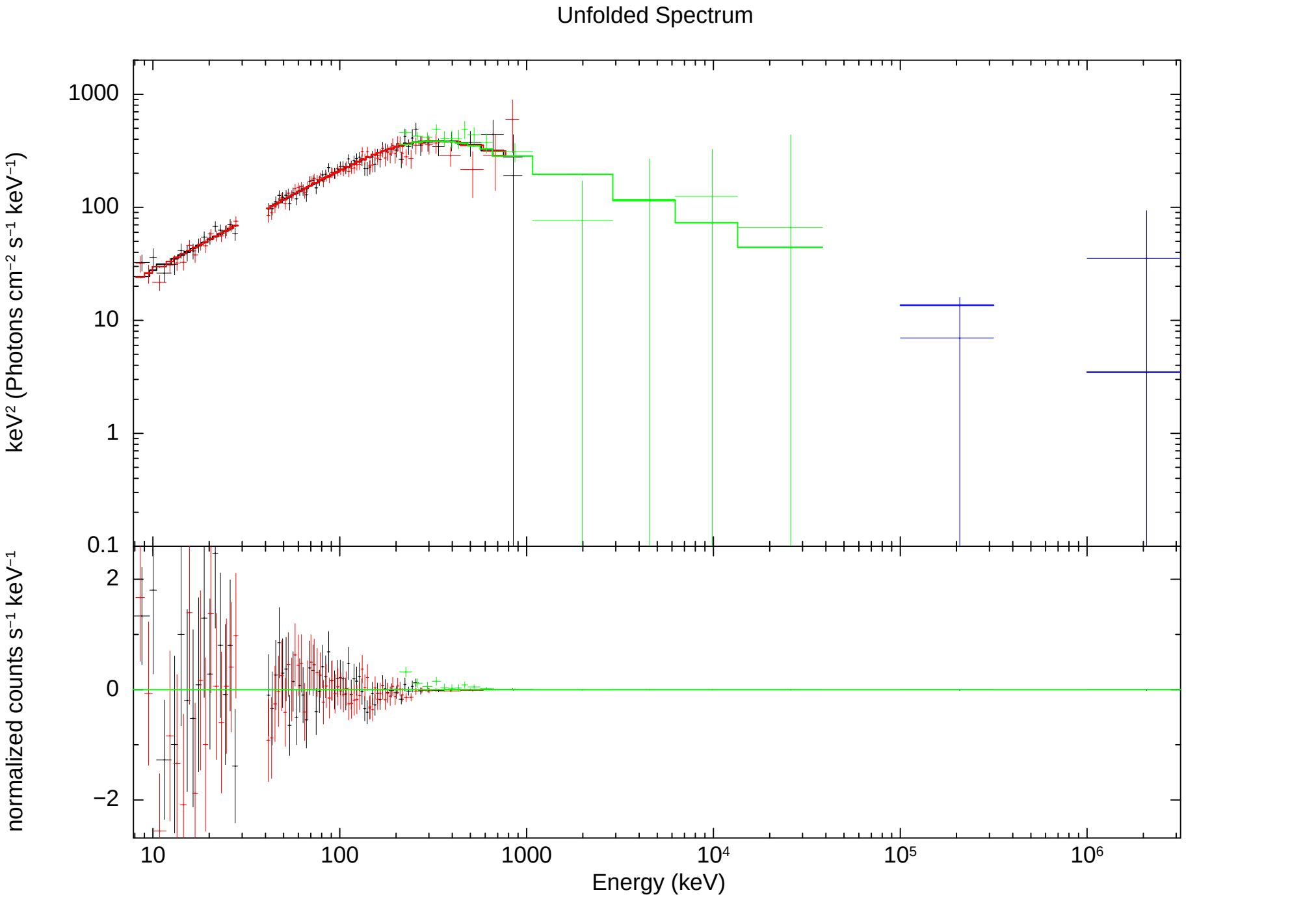

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
0.1
1
10
100
1000
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
KimiZ 20−Dec−2016 10:17


Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
residuals
normalized counts s⁻¹ keV⁻¹
2
0
−2
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17

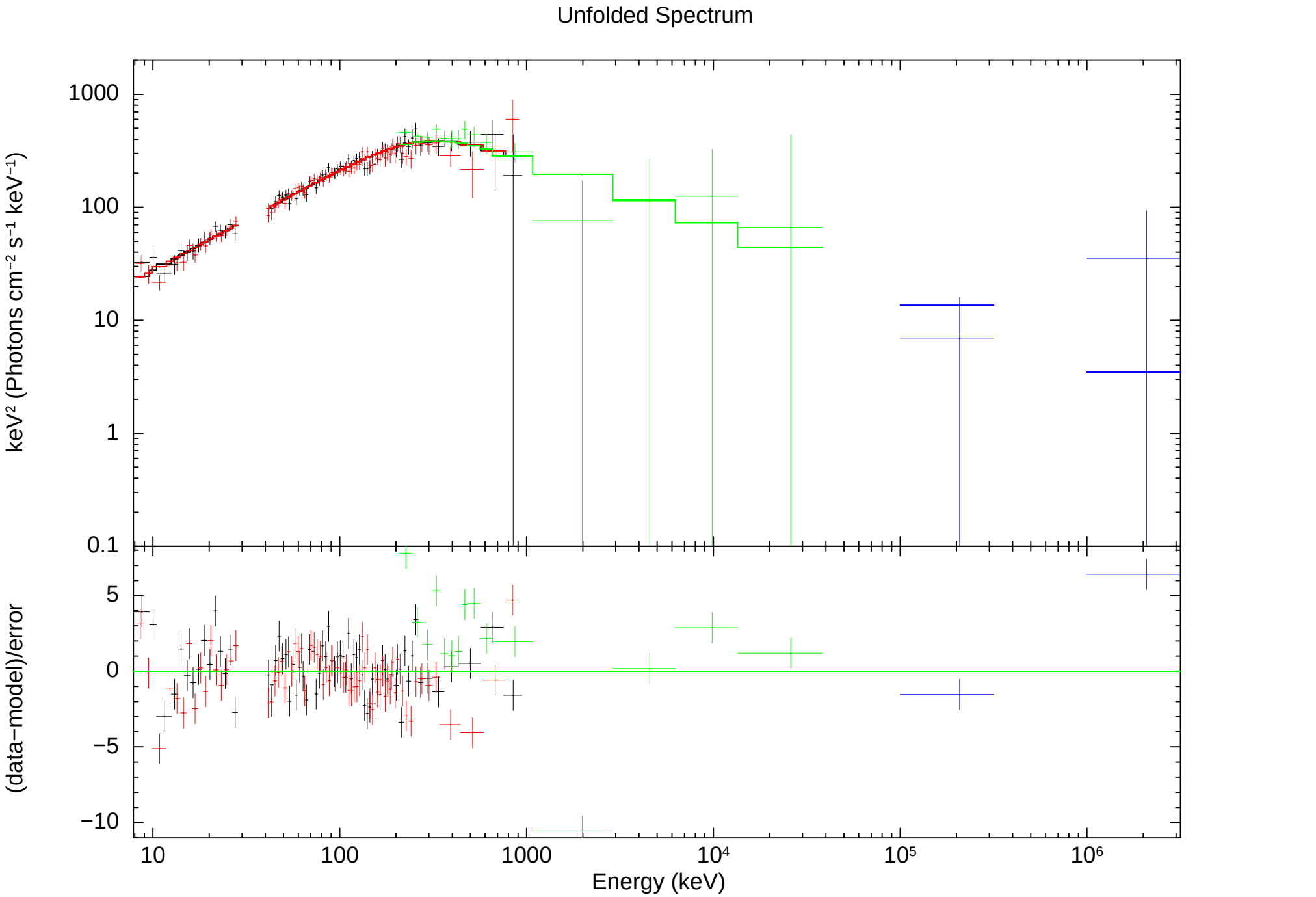

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
Square root of chi−squared for each channel
(data−model)/error
5
0
−5
−10
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17

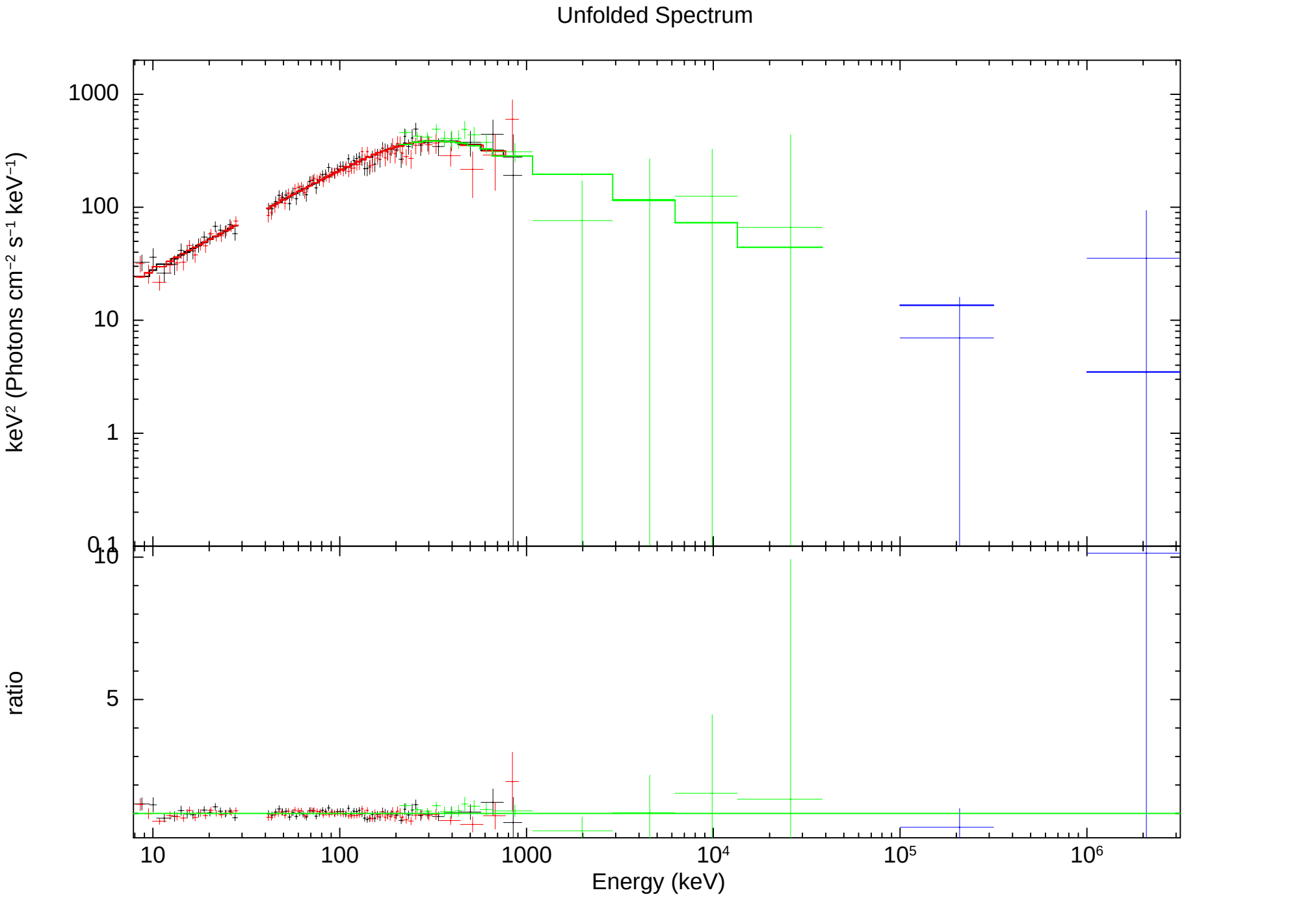

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
data/model
ratio
10
5
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17

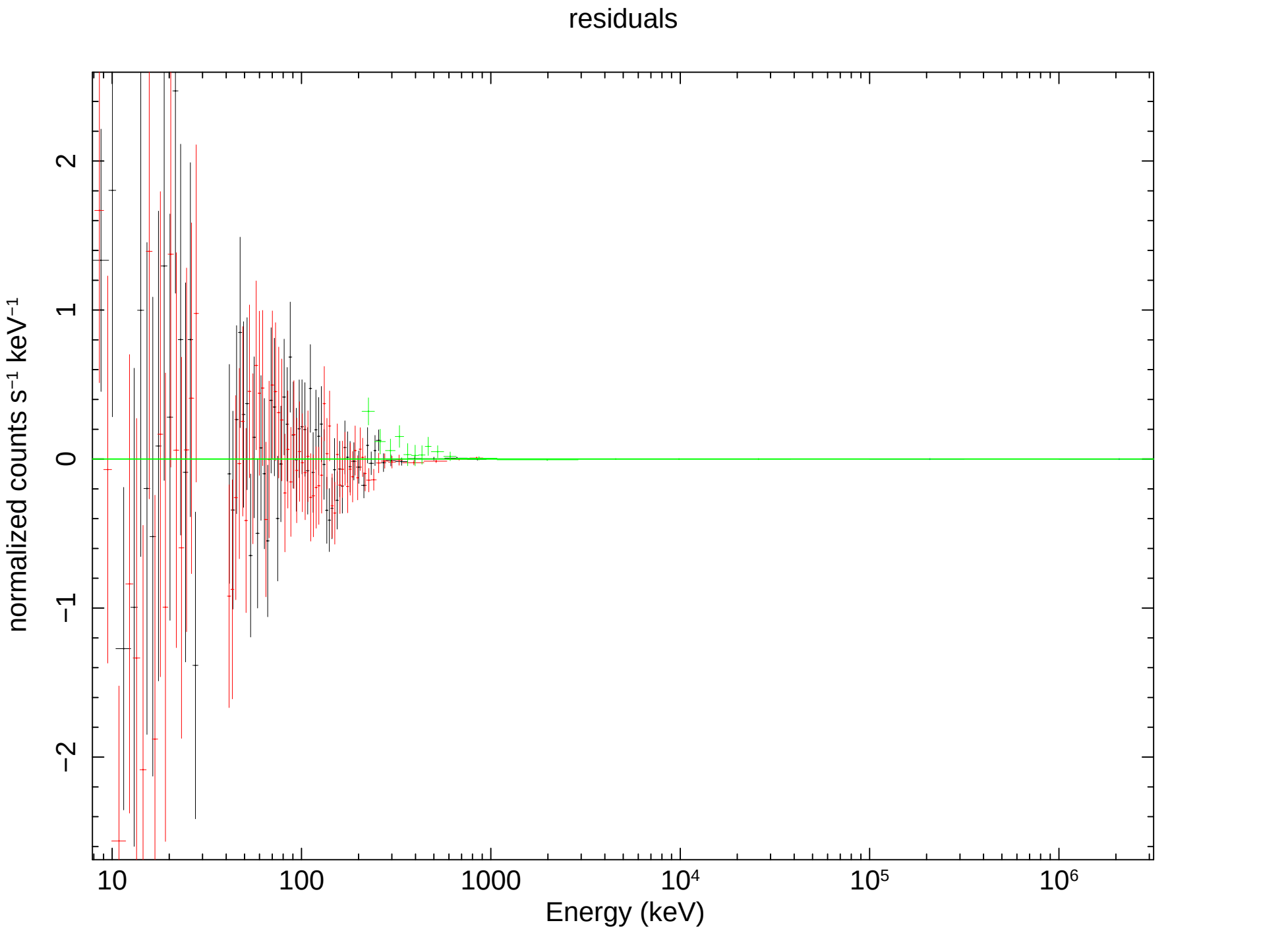

Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
0.1
1
10
100
1000
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17

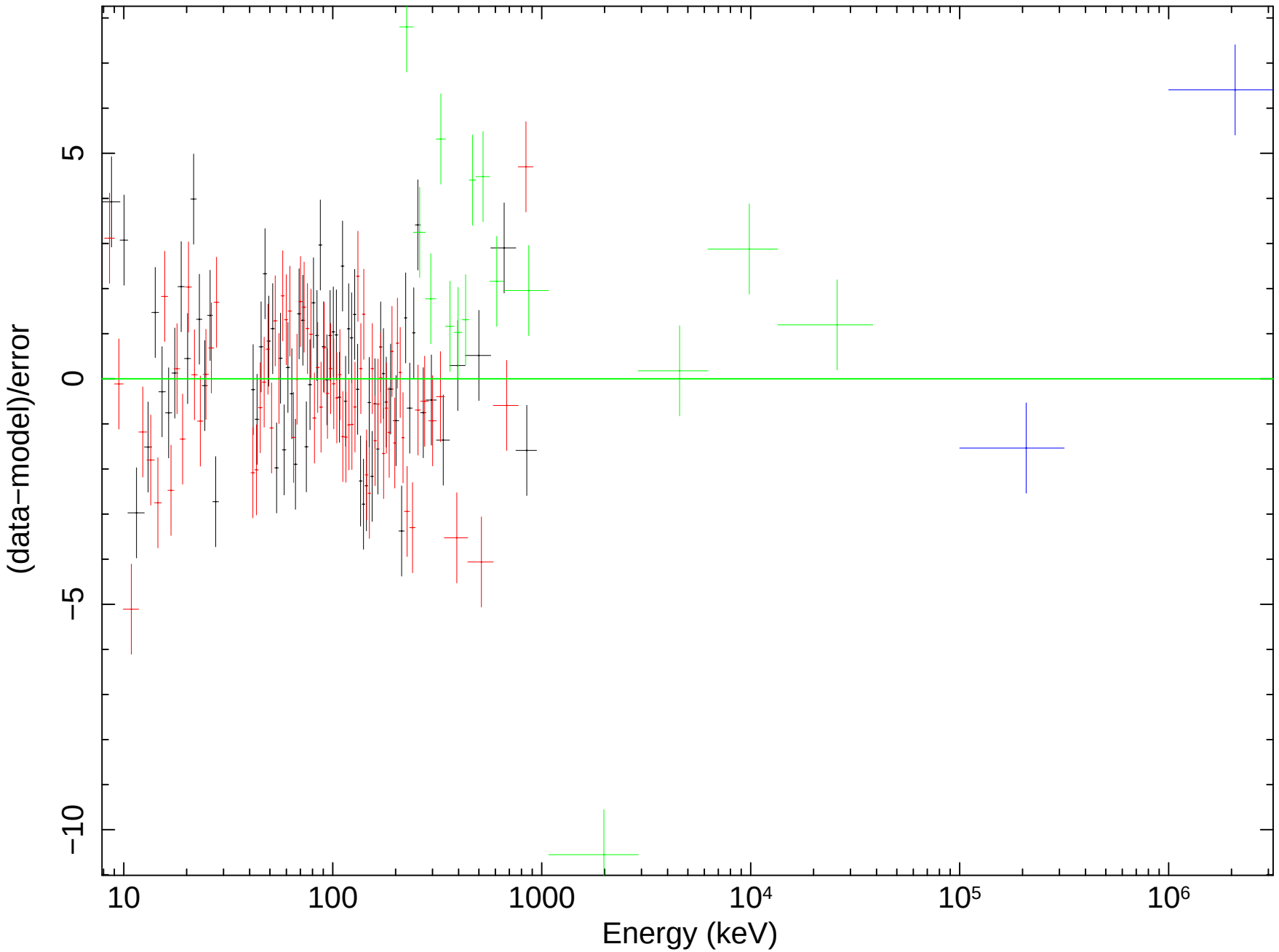


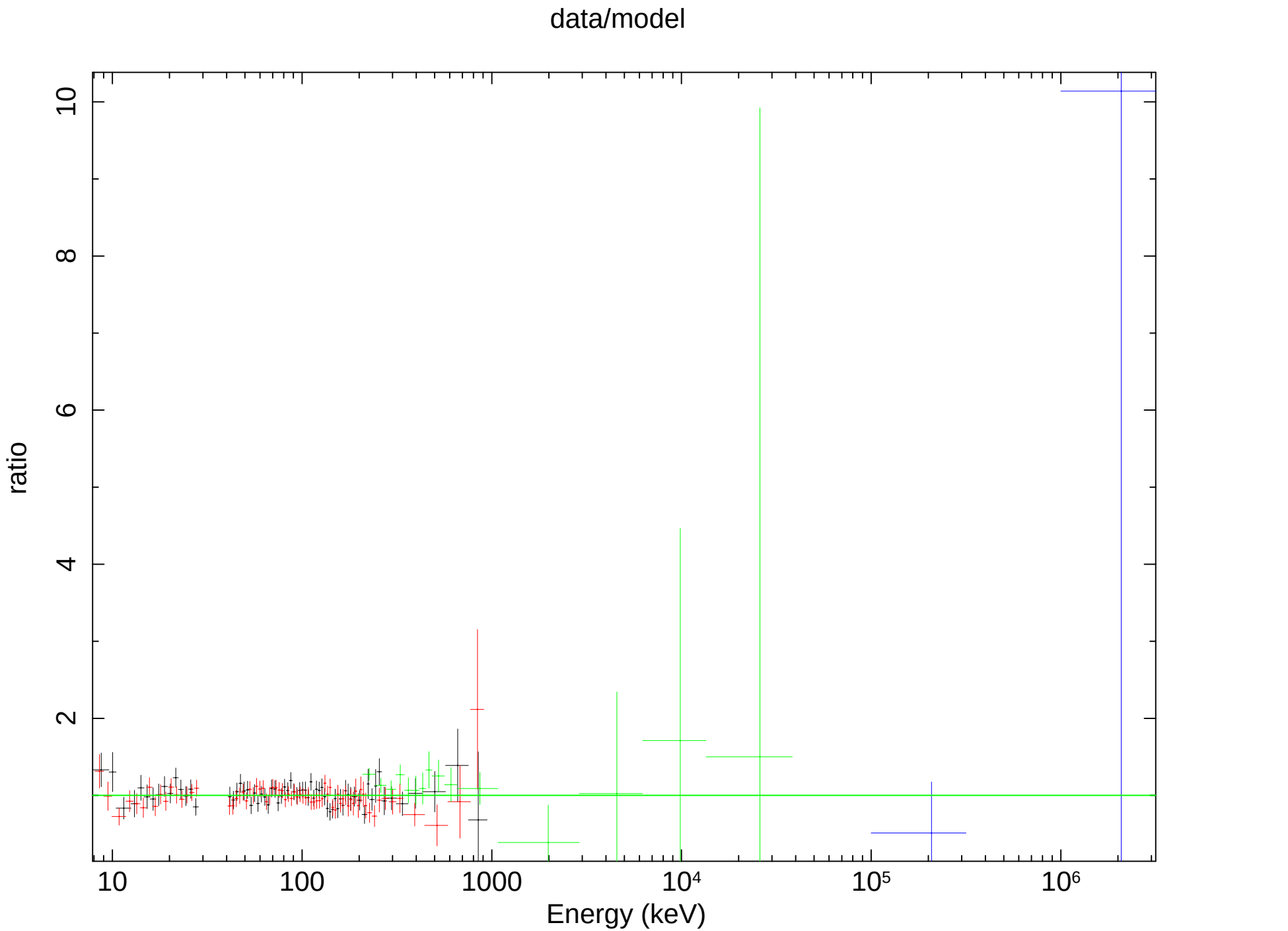
KimiZ 20−Dec−2016 10:17


Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
(data−model)/error
5
0
−5
−10
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17


Unfolded Spectrum
1000
100
10
1
0.1
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
10
5
ratio
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17


residuals
normalized counts s^{-1} keV^{-1}
2
1
0
−1
−2
10
100
1000
10^4
10^5
10^6
Energy (keV)
KimiZ 20−Dec−2016 10:17


Square root of chi−squared for each channel
(data−model)/error
5
0
−5
−10
10
100
1000
10⁴
10⁵
10⁶
Energy (keV)
KimiZ 20−Dec−2016 10:17


data/model
ratio
2
4
6
8
10
10
100
1000
10^4
10^5
10^6
Energy (keV)
KimiZ 20−Dec−2016 10:17