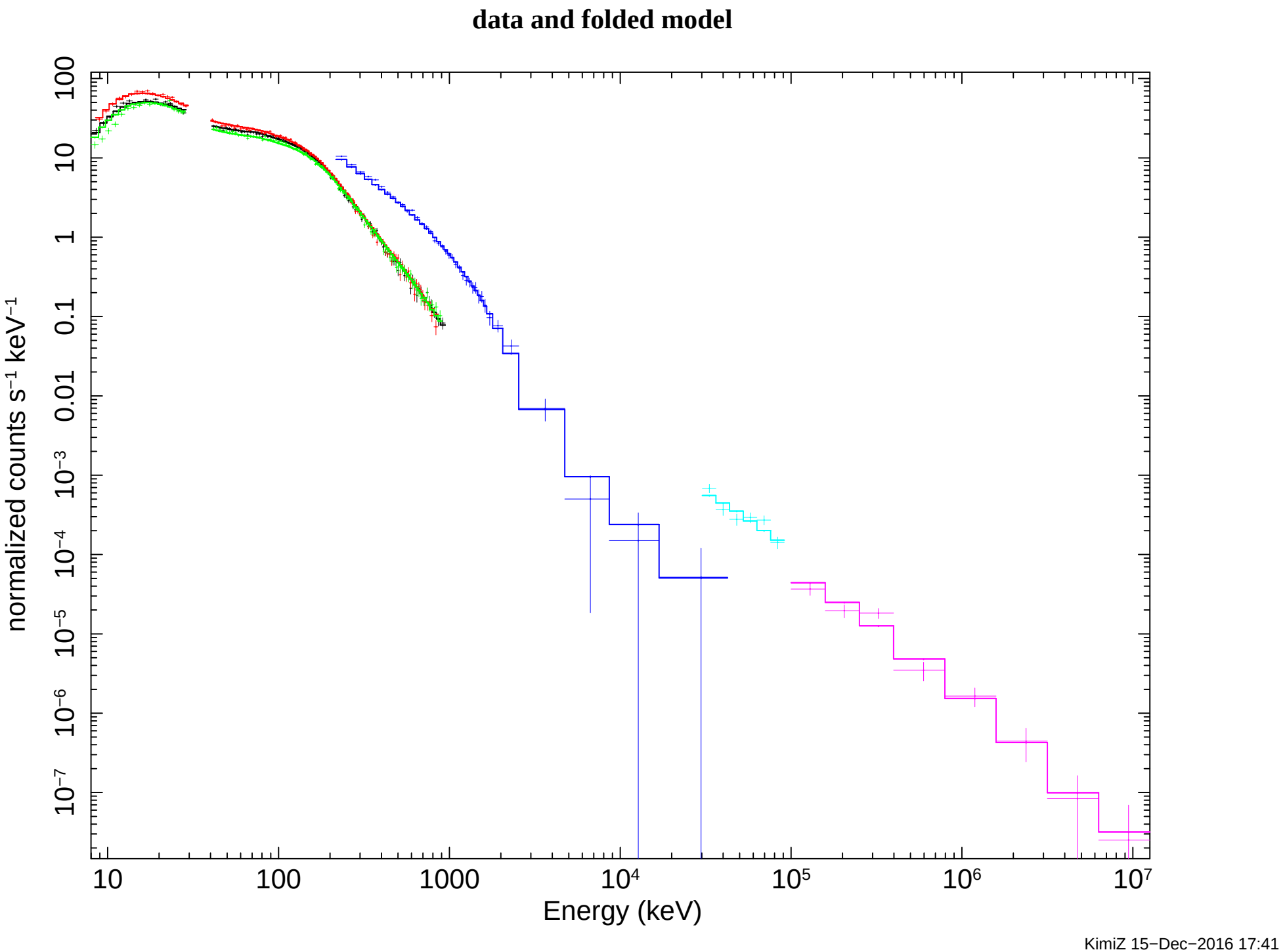
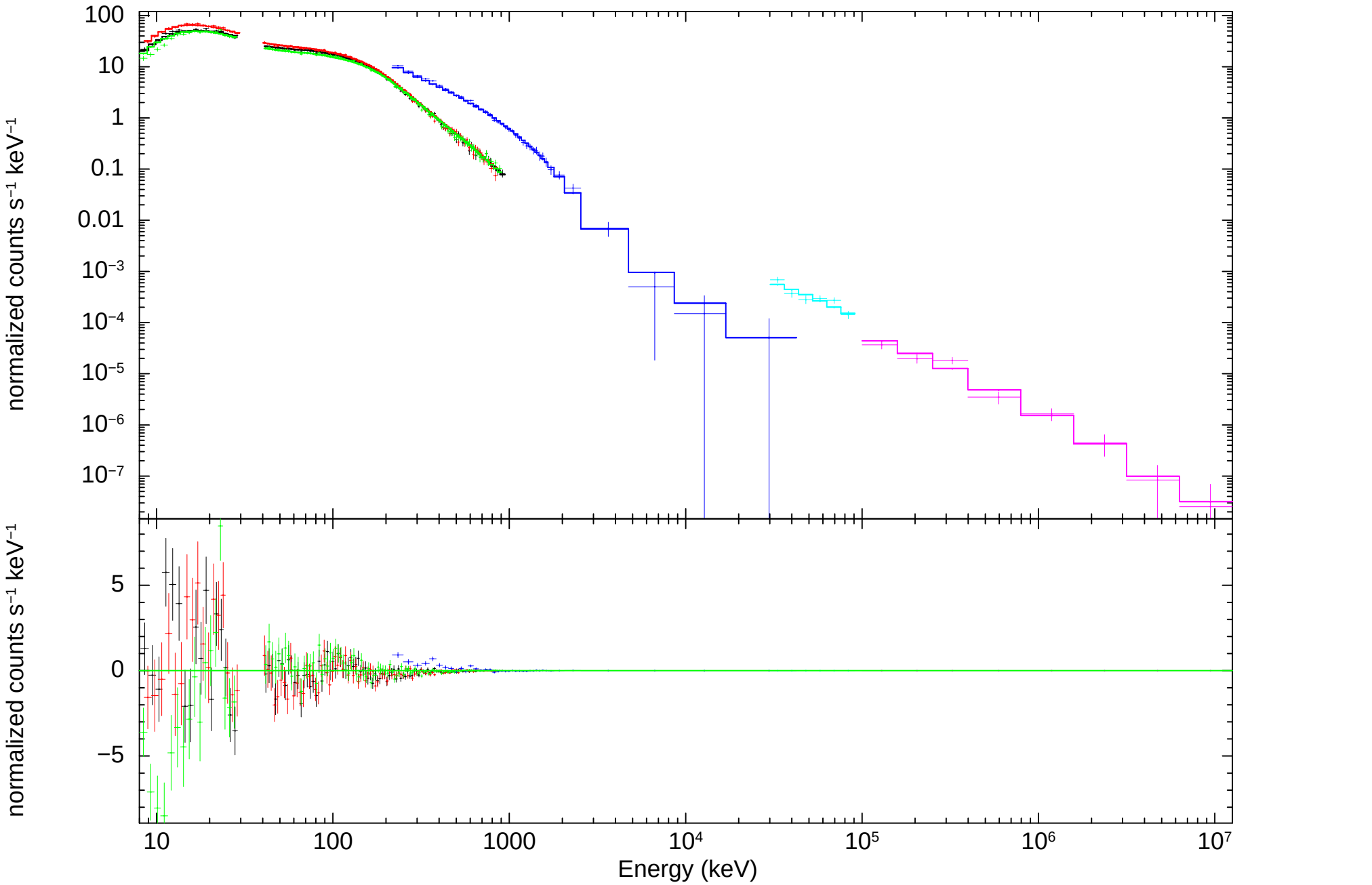

data and folded model
normalized counts s^{-1} keV^{-1}
100
10
1
0.1
0.01
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41



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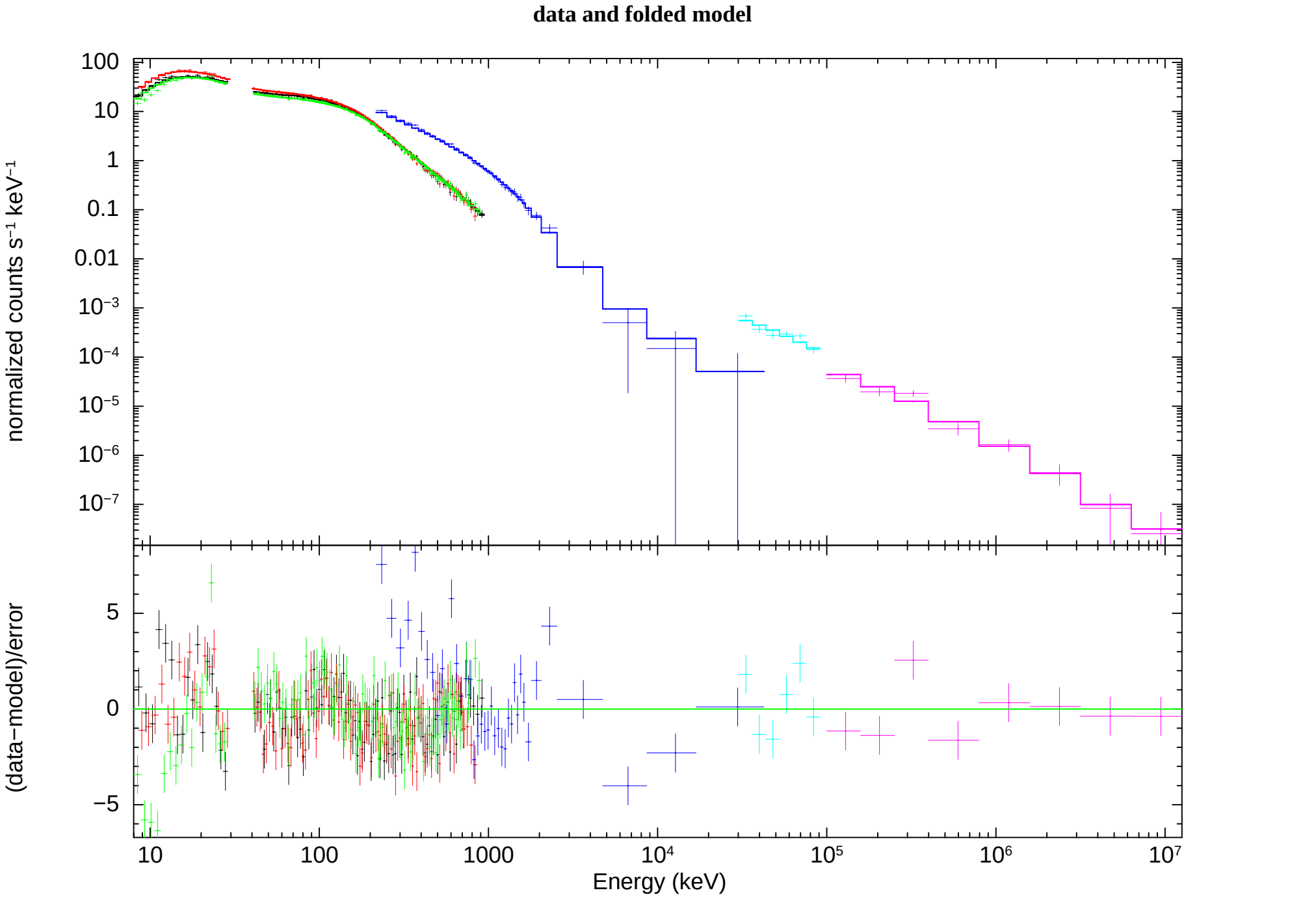
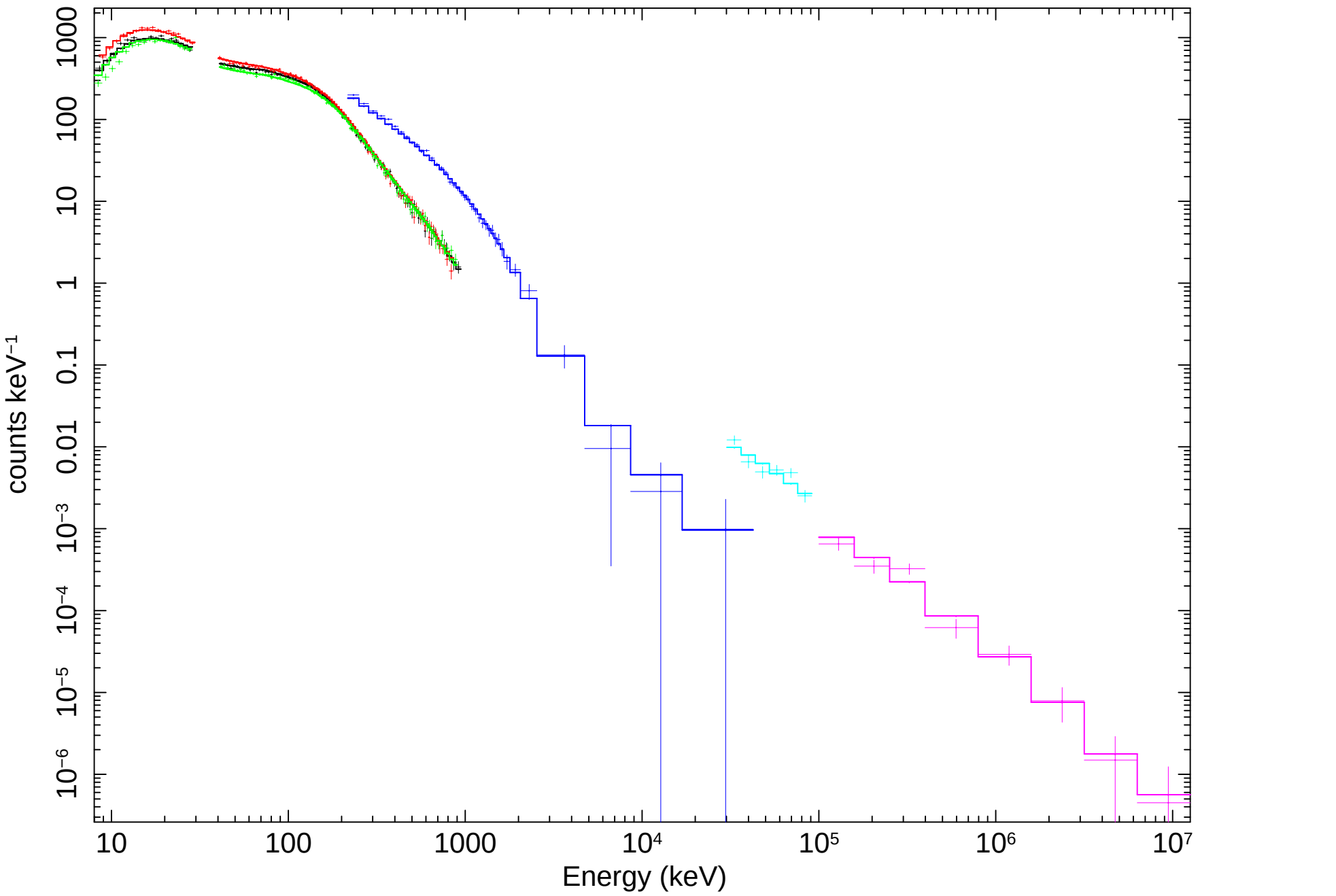
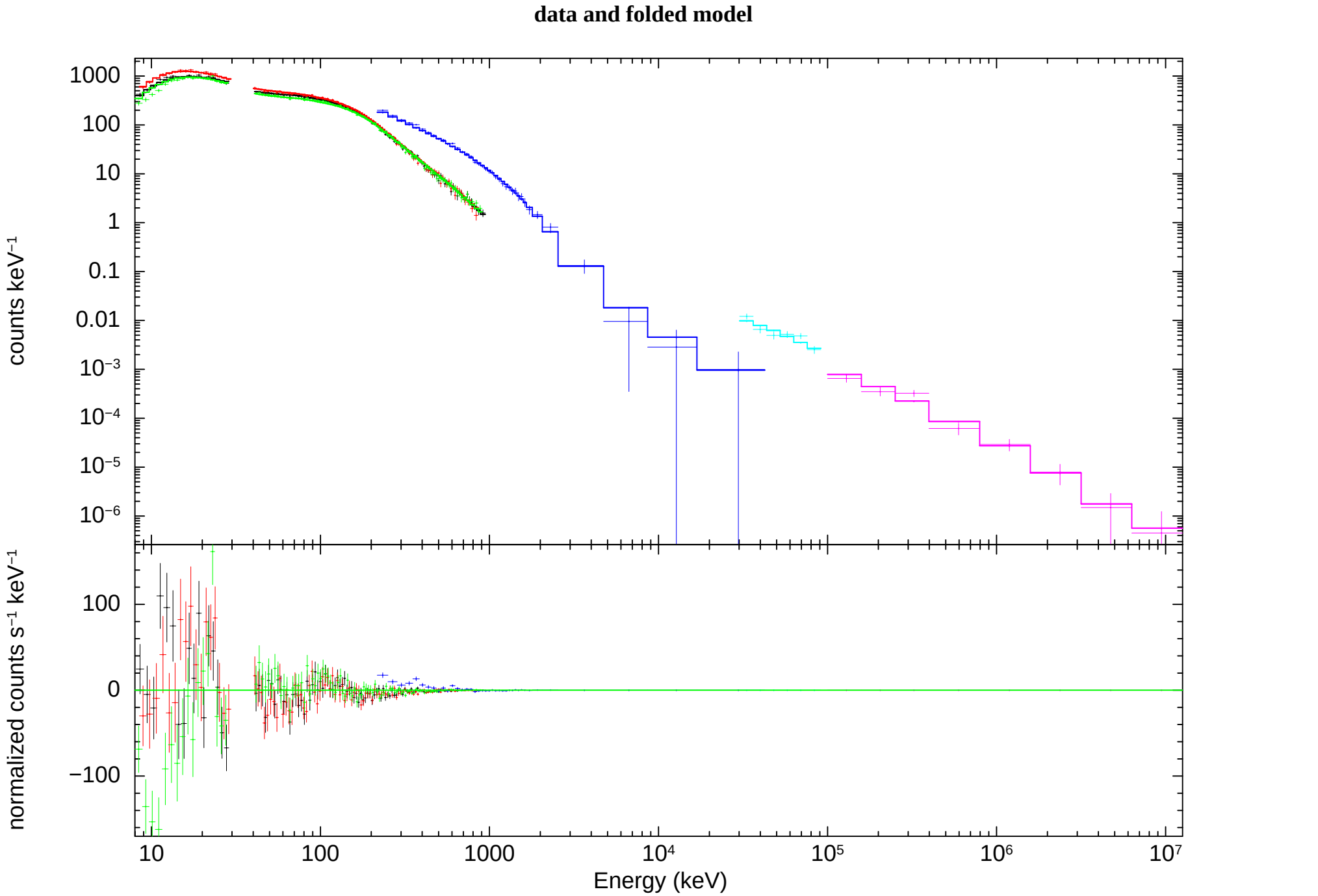
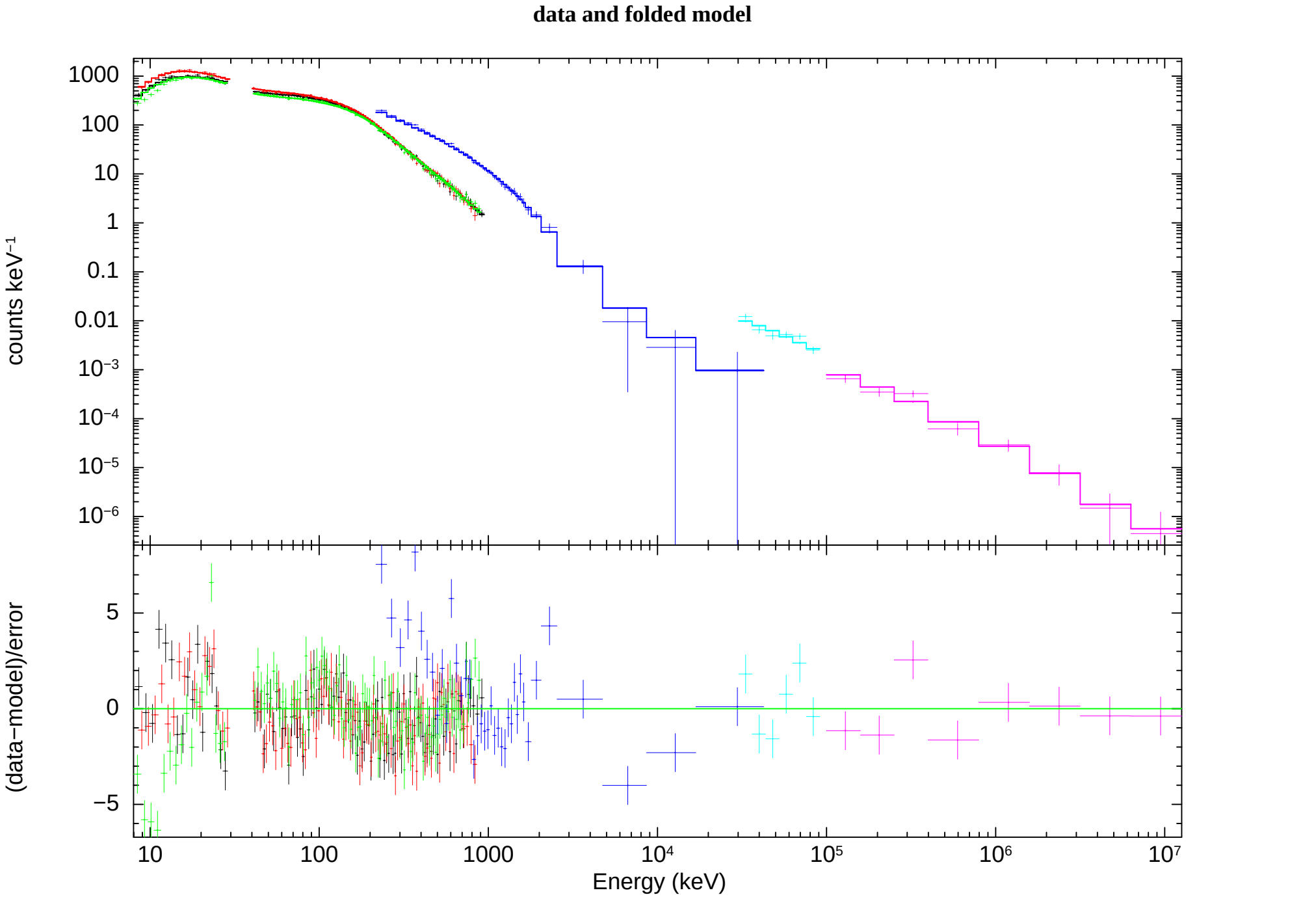
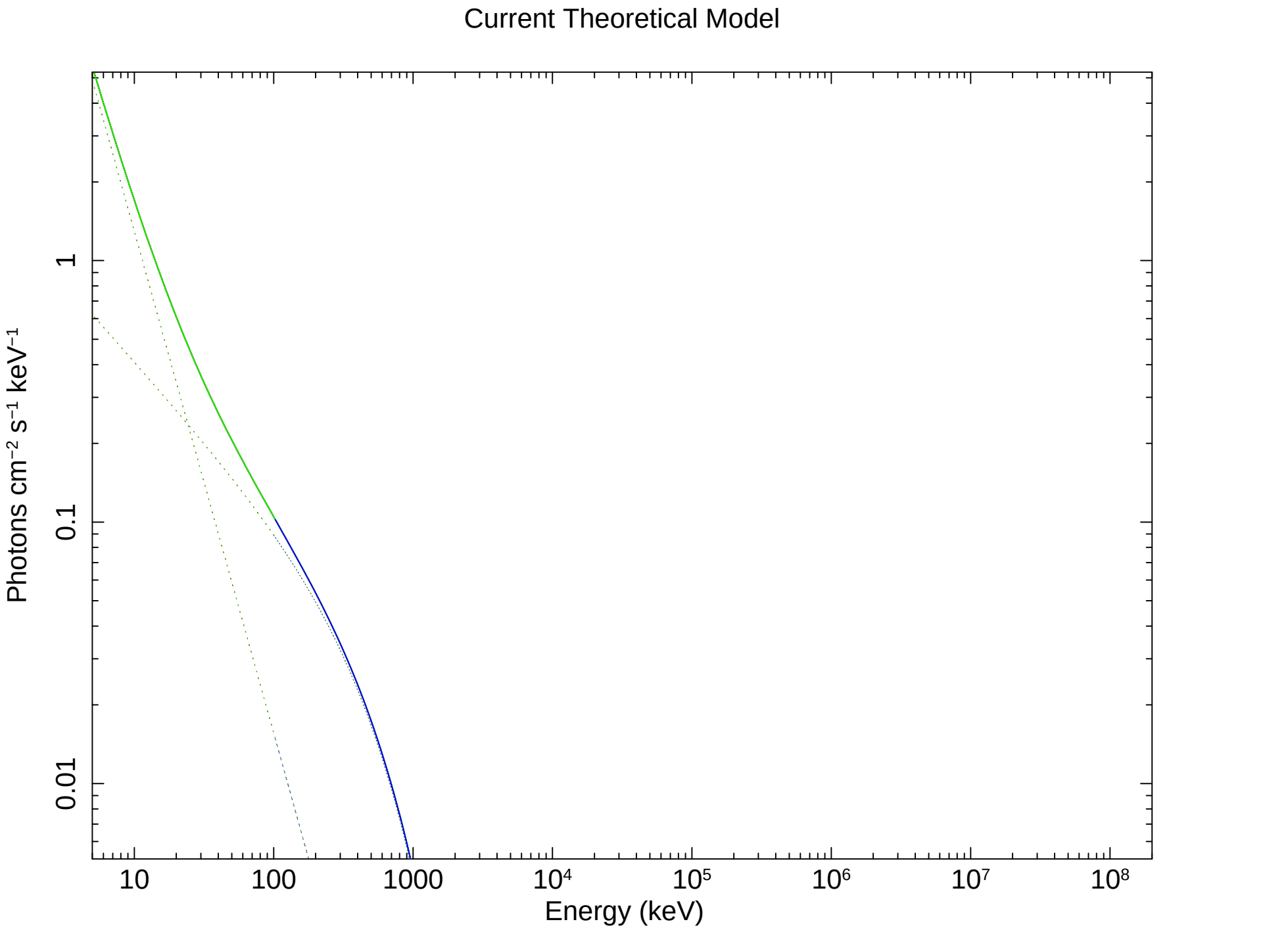
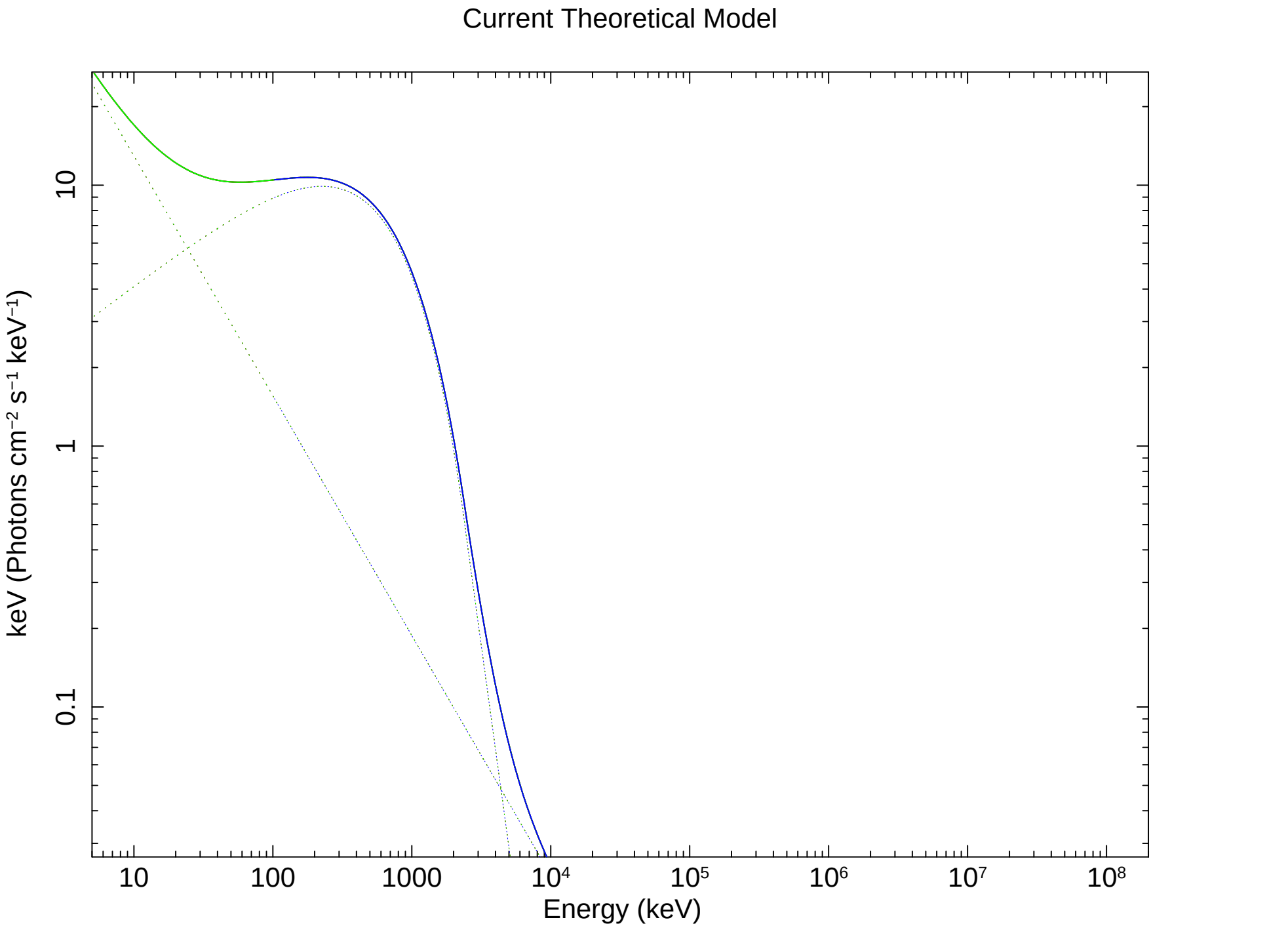

data and folded model
normalized counts s⁻¹ keV⁻¹
100
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
(data−model)/error
5
0
−5
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 15−Dec−2016 17:41

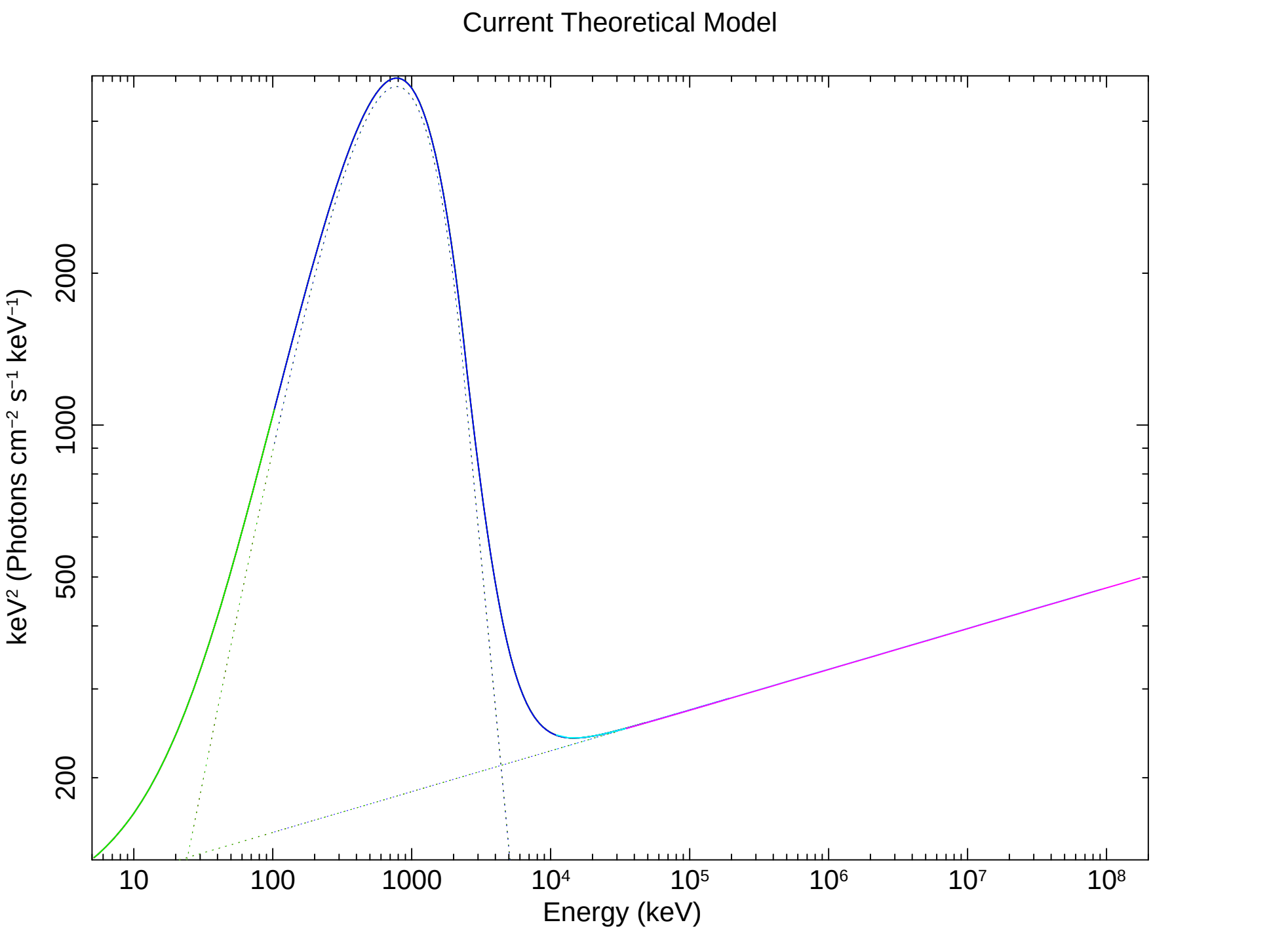

data and folded model
counts keV^{-1}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
0.01
0.1
1
10
100
1000
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41

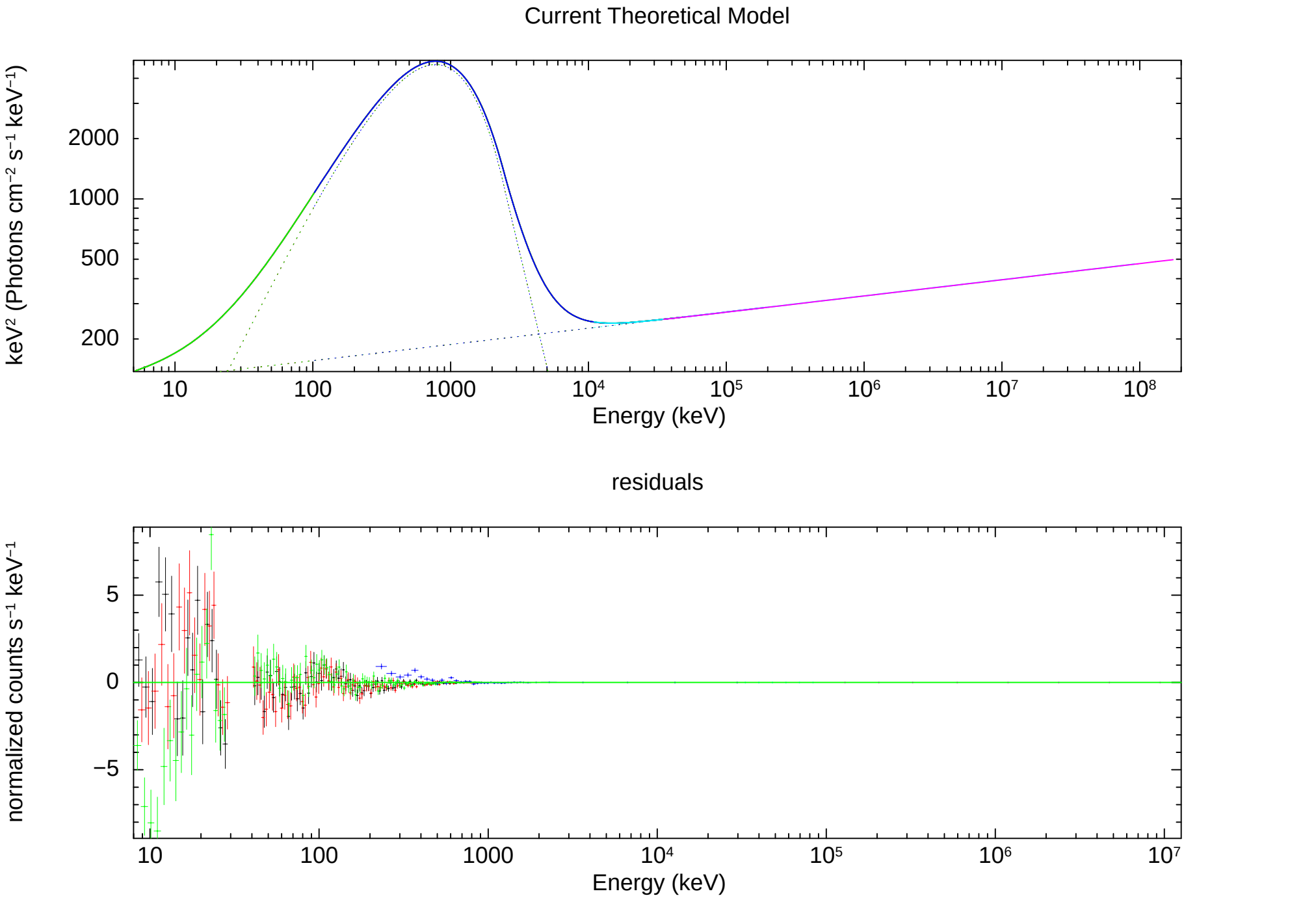

data and folded model
counts keV⁻¹
normalized counts s⁻¹ keV⁻¹
Energy (keV)
KimiZ 15−Dec−2016 17:41

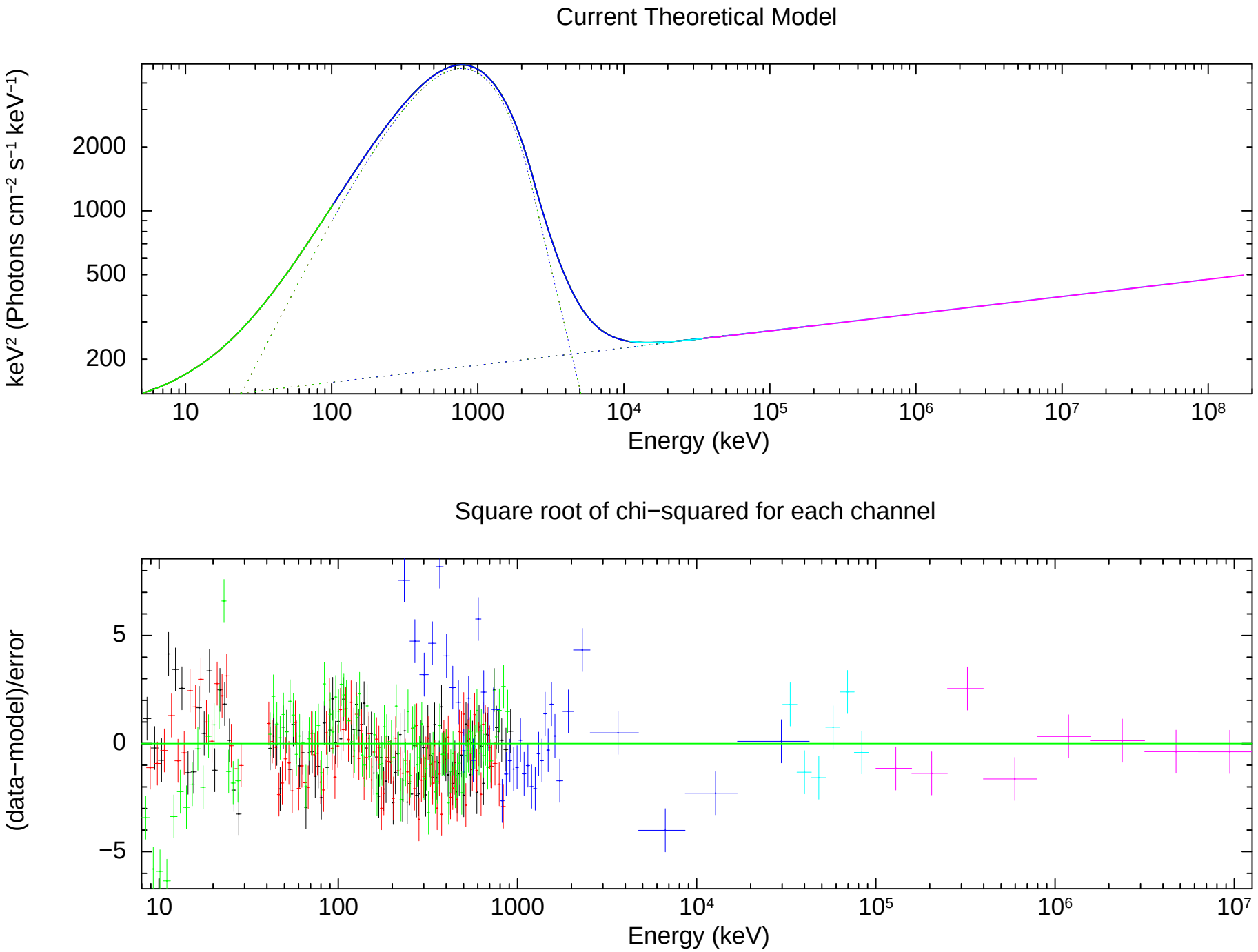

data and folded model
counts keV⁻¹
1000
100
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
(data−model)/error
5
0
−5
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 15−Dec−2016 17:41

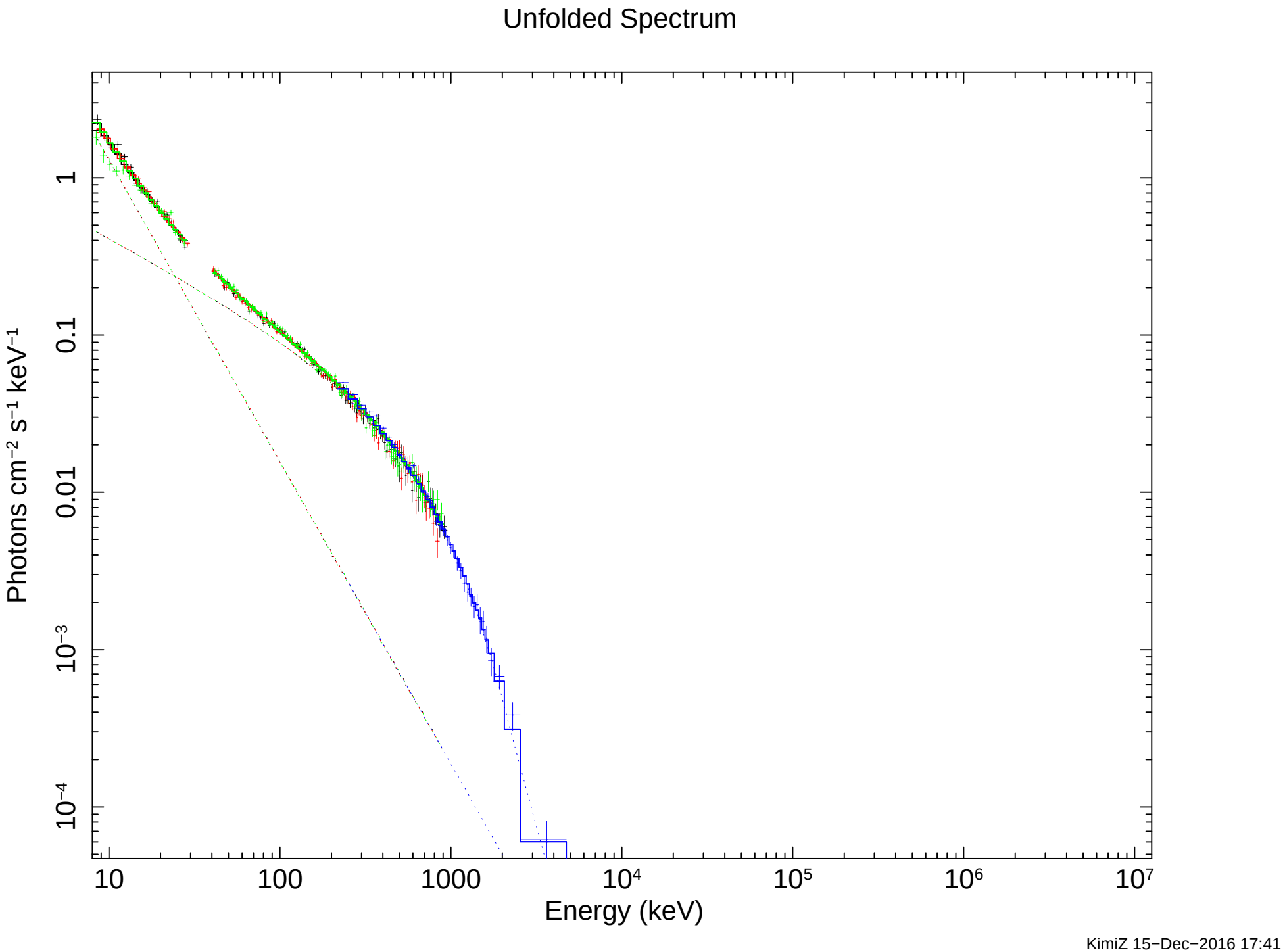

Current Theoretical Model
Photons cm^{-2} s^{-1} keV^{-1}
1
0.1
0.01
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 15−Dec−2016 17:41

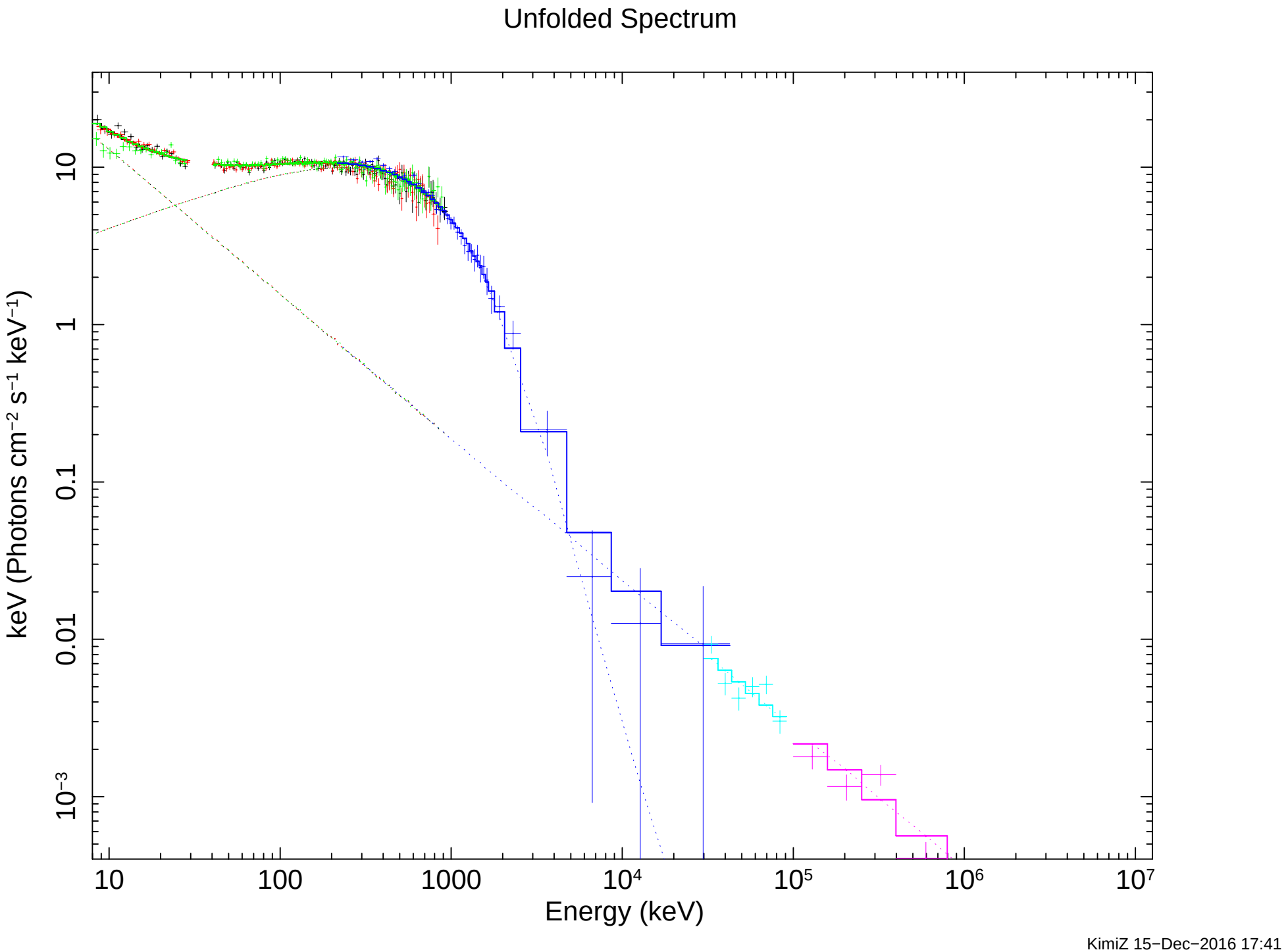

Current Theoretical Model
keV (Photons cm^{-2} s^{-1} keV^{-1})
0.1
1
10
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 15−Dec−2016 17:41

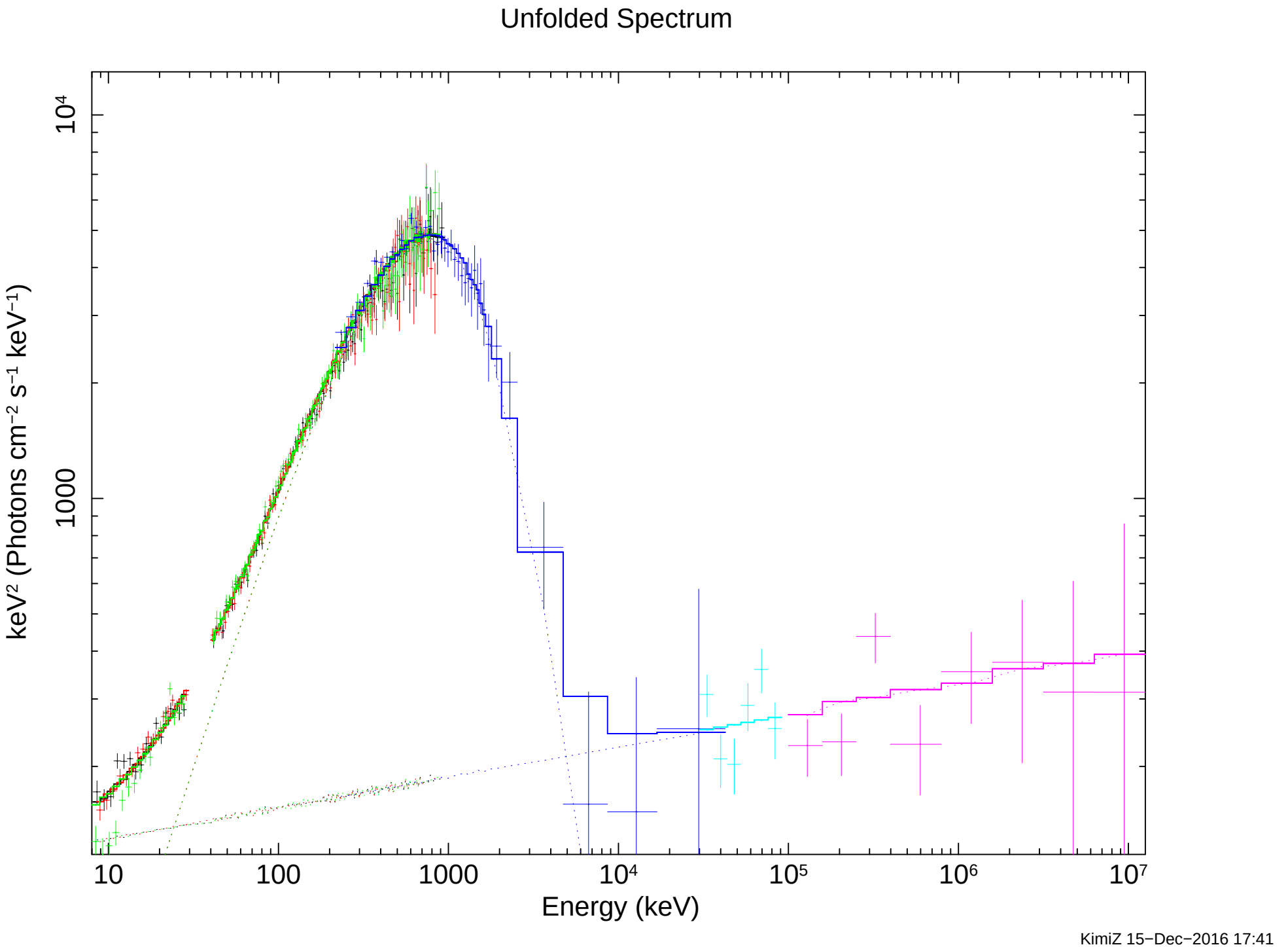

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
200
500
1000
2000
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
KimiZ 15−Dec−2016 17:41

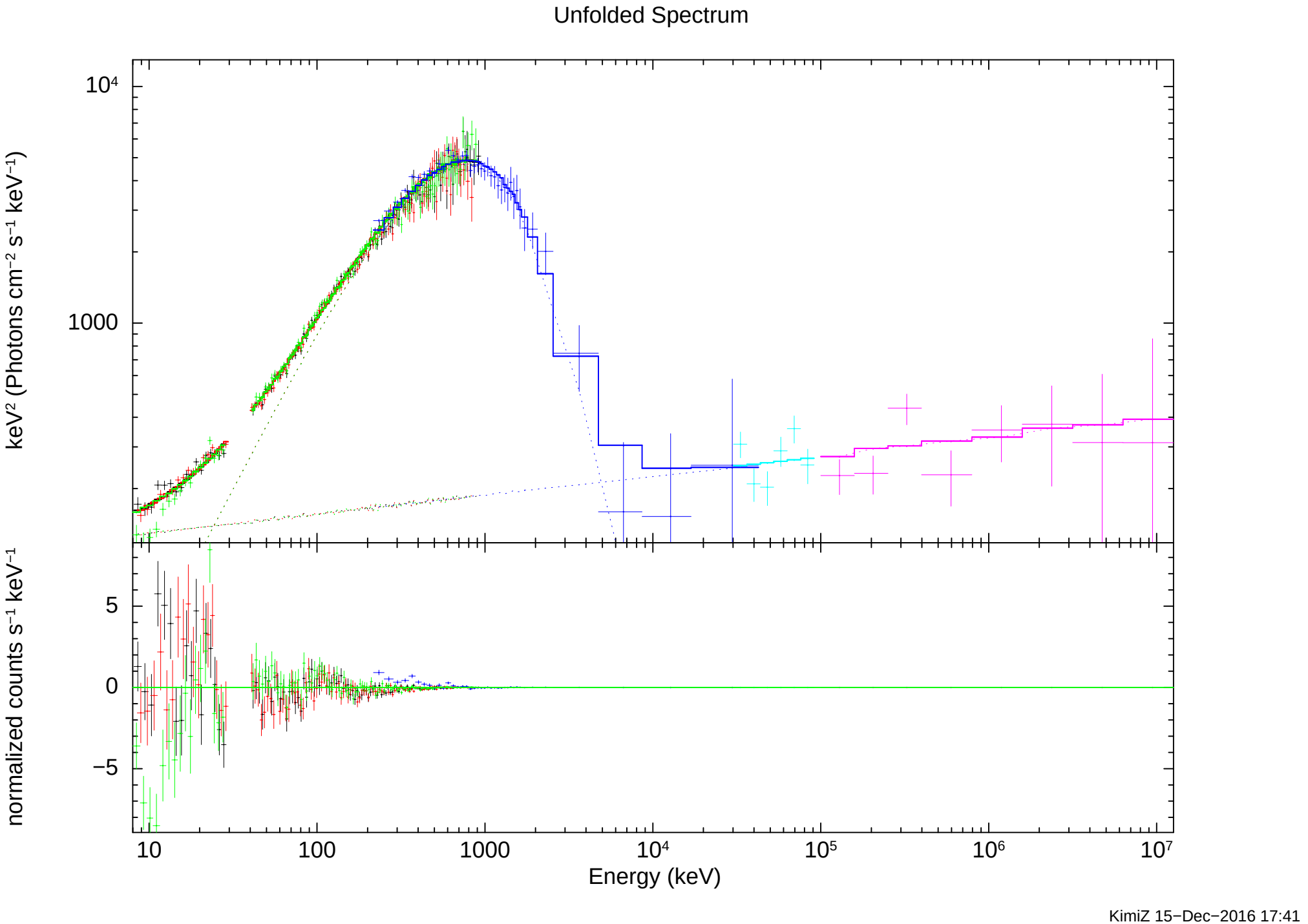

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
2000
1000
500
200
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
residuals
normalized counts s⁻¹ keV⁻¹
5
0
−5
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 15−Dec−2016 17:41

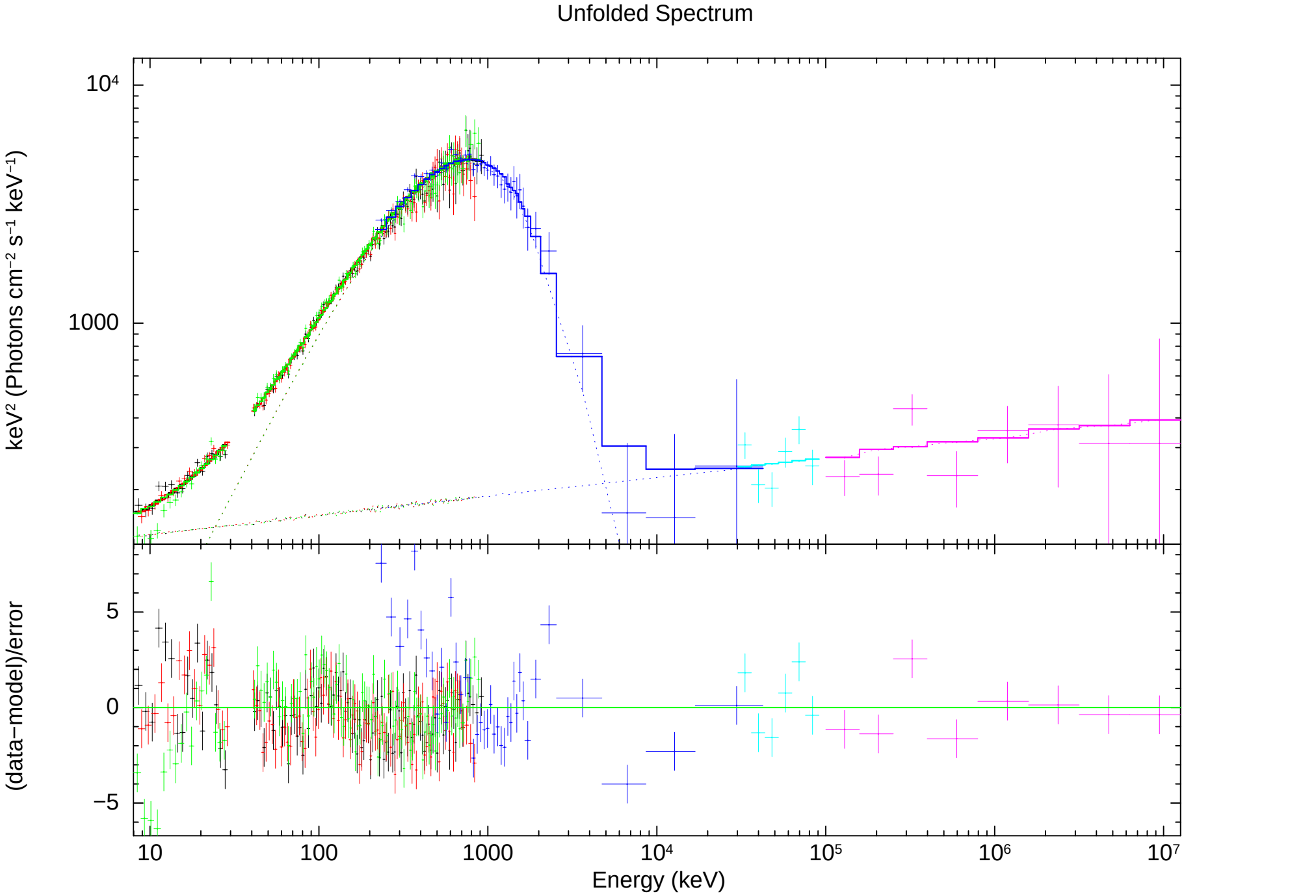

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
2000
1000
500
200
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
Square root of chi−squared for each channel
(data−model)/error
5
0
−5
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 15−Dec−2016 17:41

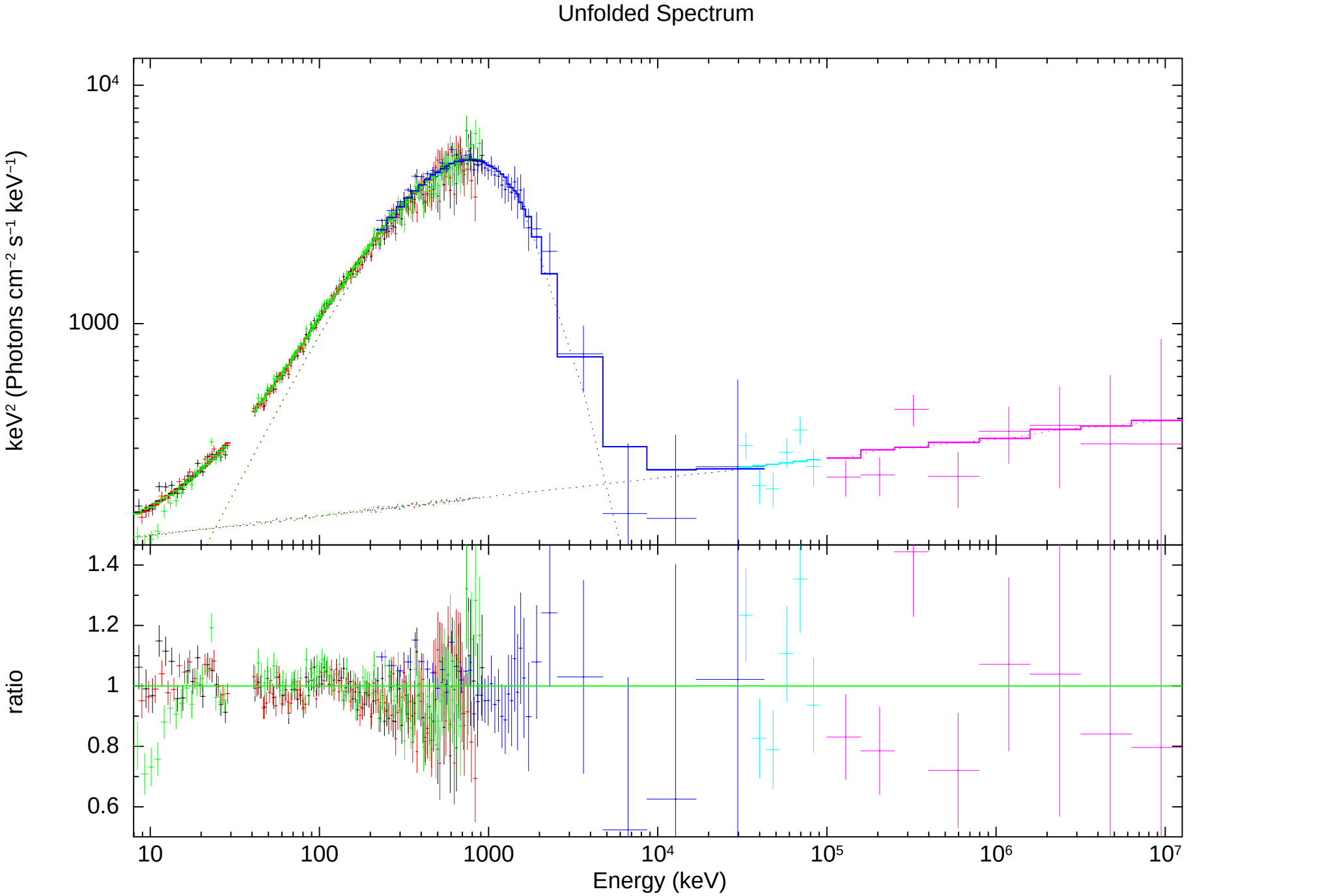

Unfolded Spectrum
Photons cm^{-2} s^{-1} keV^{-1}
1
0.1
0.01
10^{-3}
10^{-4}
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41

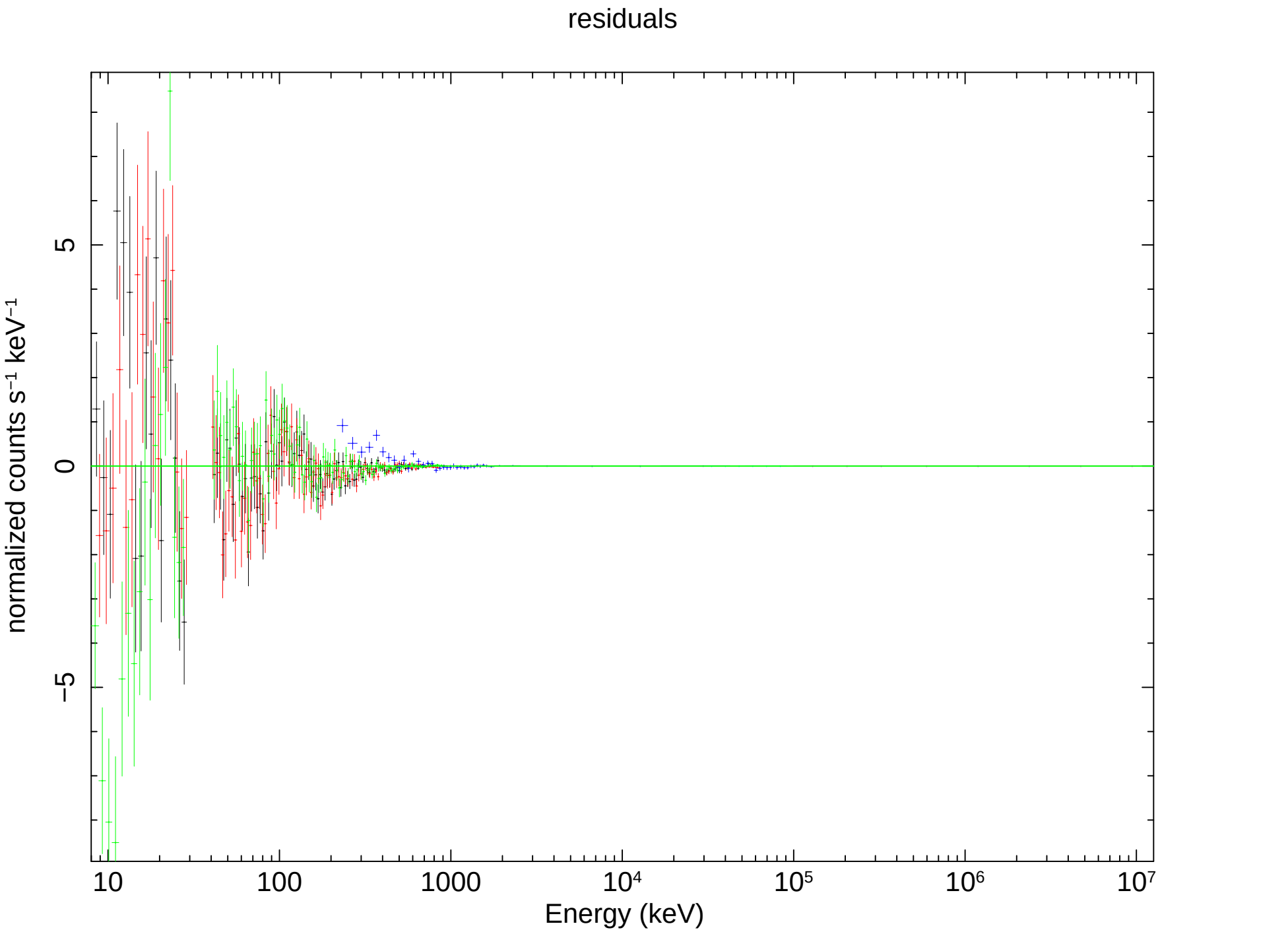

Unfolded Spectrum
keV (Photons cm^{-2} s^{-1} keV^{-1})
10
1
0.1
0.01
10^{-3}
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41

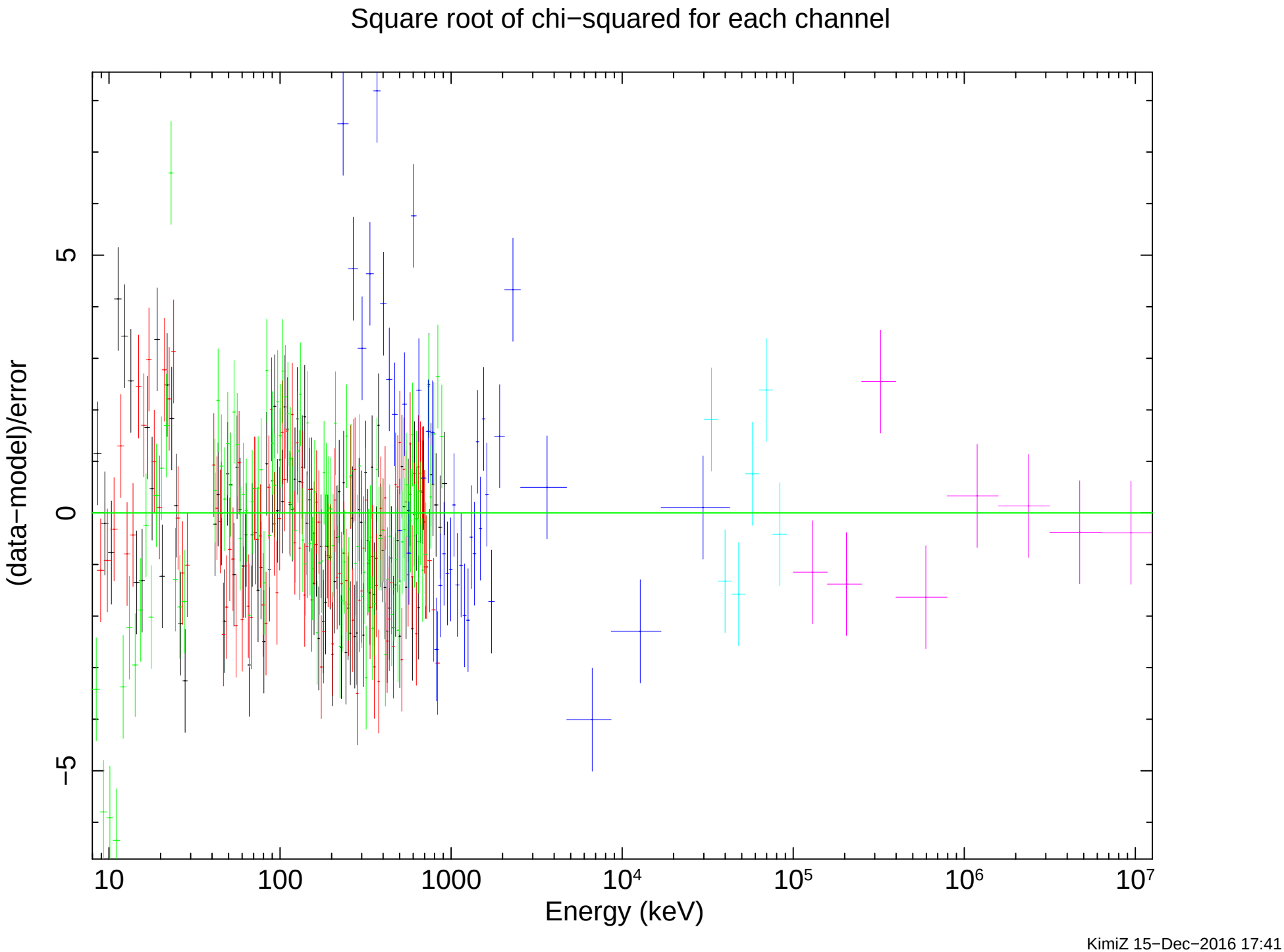

Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
10⁴
1000
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 15−Dec−2016 17:41

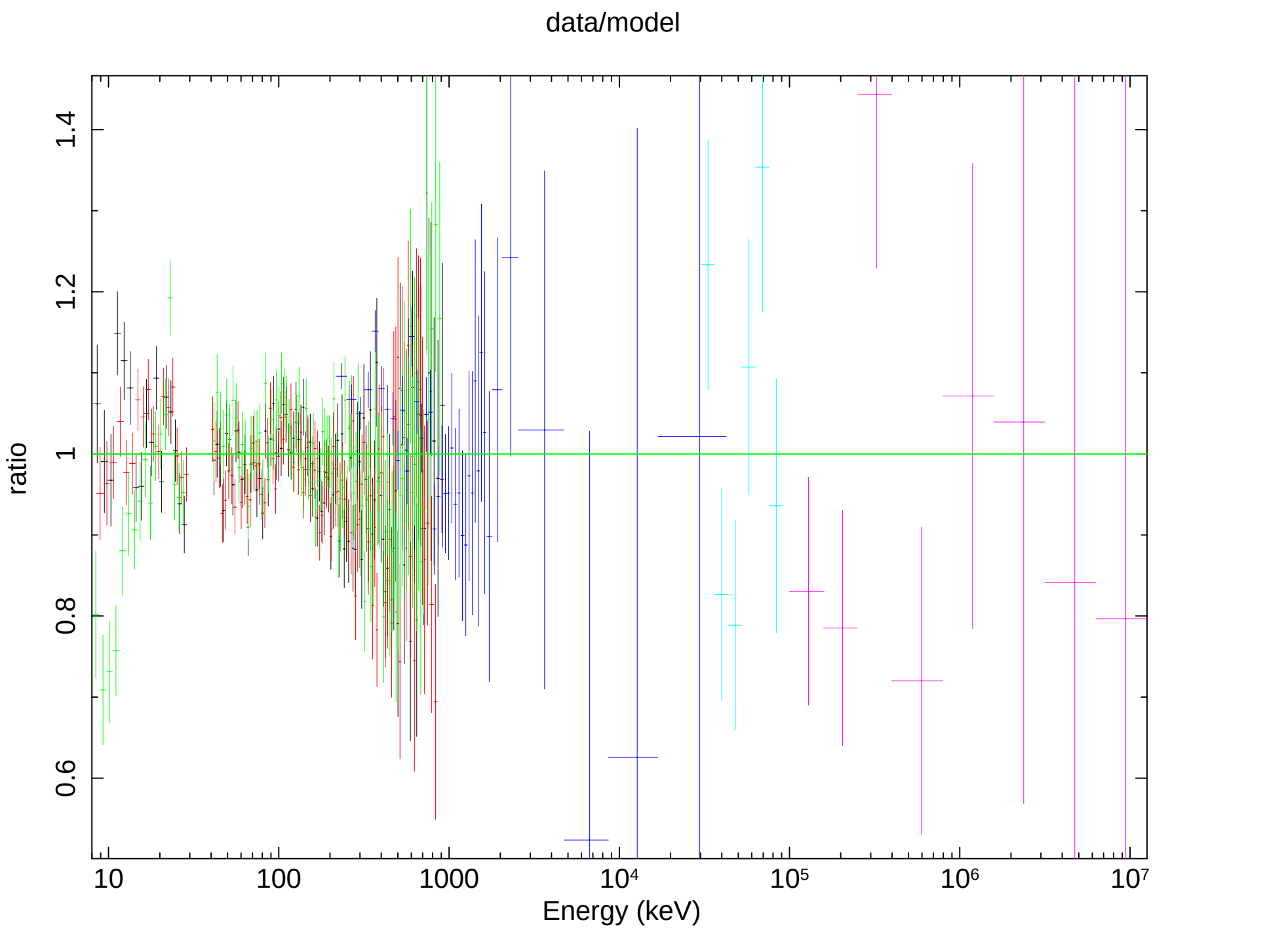

Unfolded Spectrum
10^4
1000
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
5
0
−5
normalized counts s⁻¹ keV⁻¹
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41


Unfolded Spectrum
10^4
1000
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
5
0
−5
(data−model)/error
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41


Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
10⁴
1000
ratio
1.4
1.2
1
0.8
0.6
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 15−Dec−2016 17:41


residuals
normalized counts s^{-1} keV^{-1}
5
0
−5
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41


Square root of chi−squared for each channel
(data−model)/error
5
0
−5
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41


data/model
ratio
0.6
0.8
1
1.2
1.4
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 15−Dec−2016 17:41