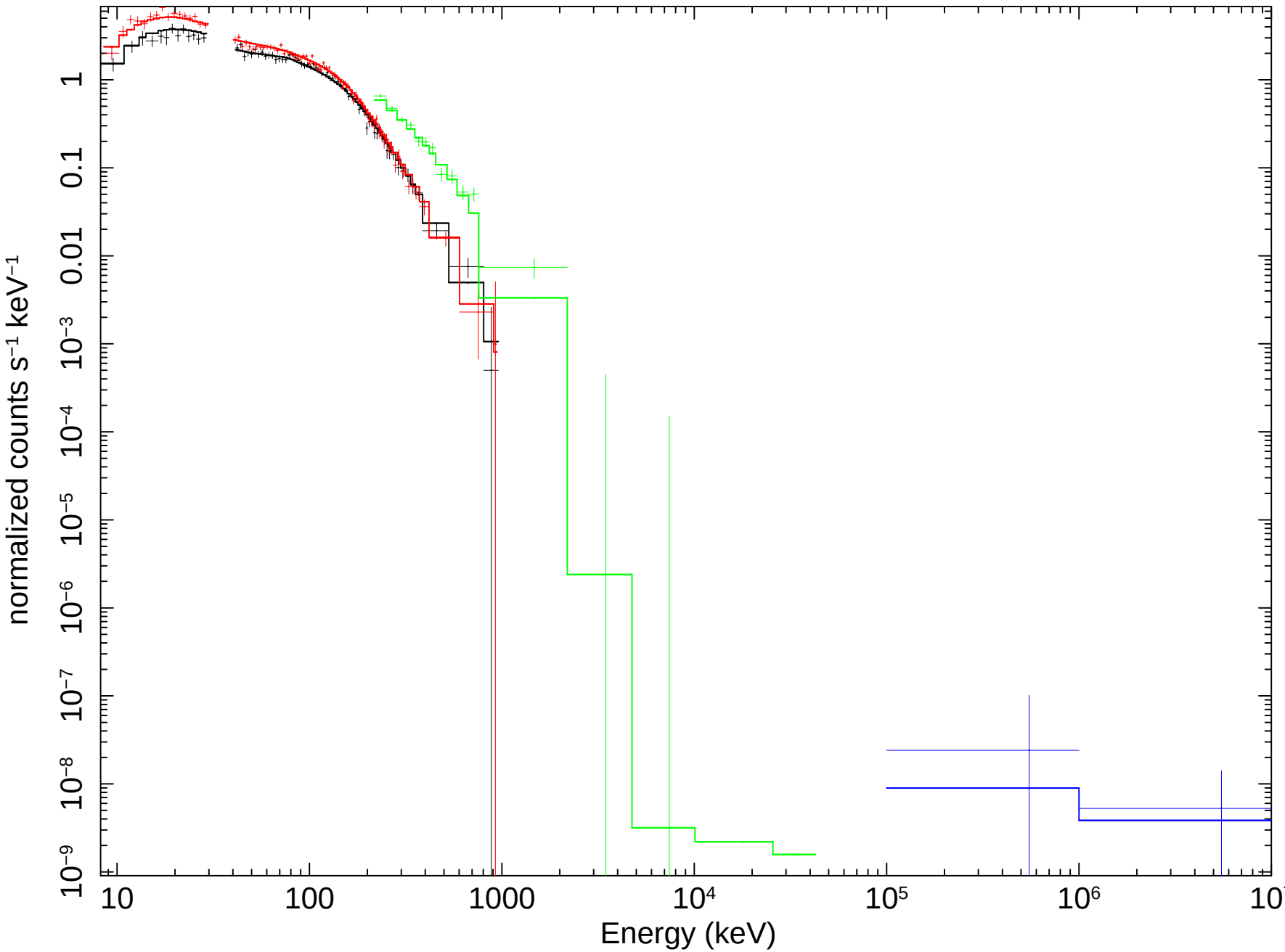
data and folded model
normalized counts s^{-1} keV^{-1}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
0.01
0.1
1
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
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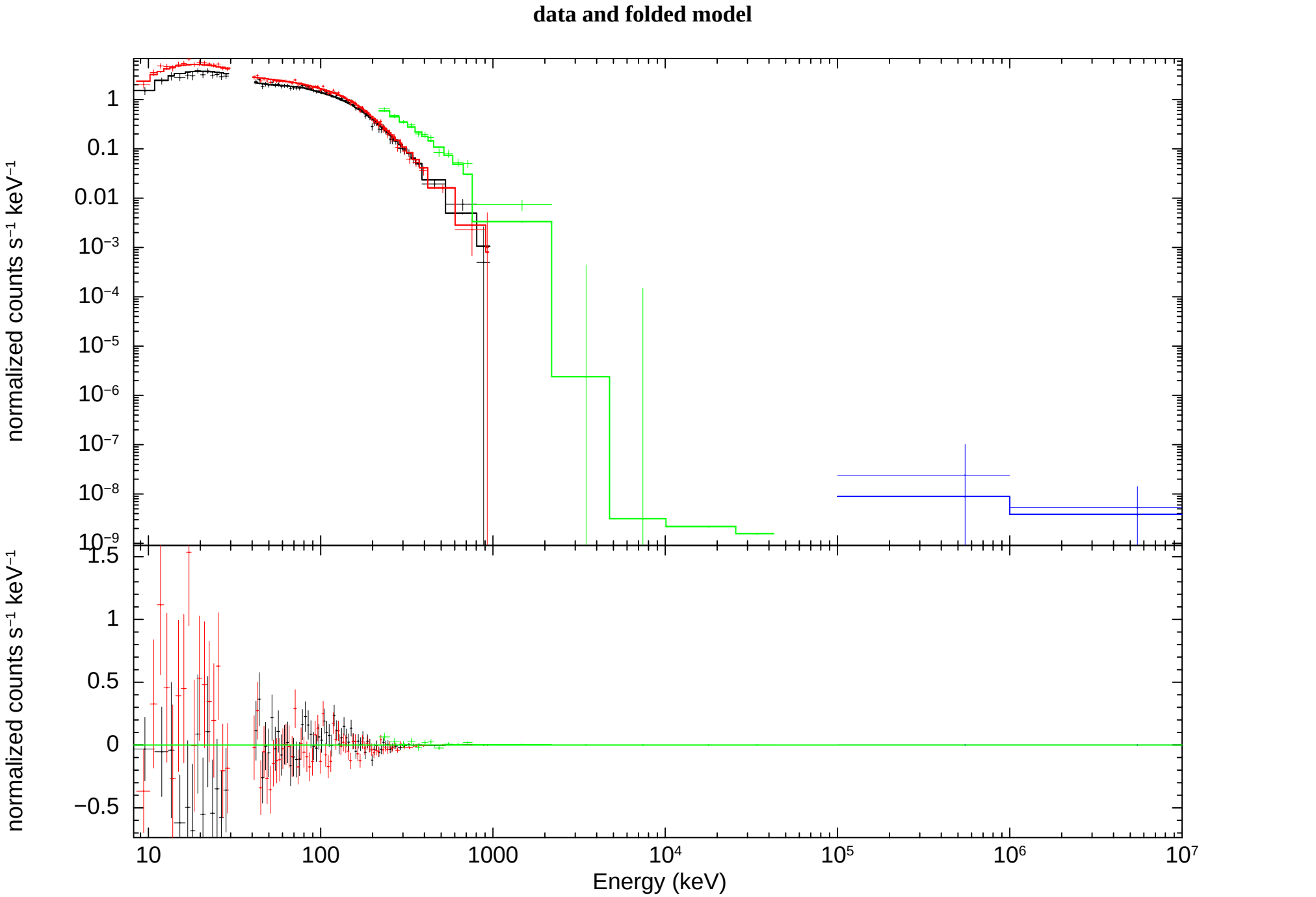

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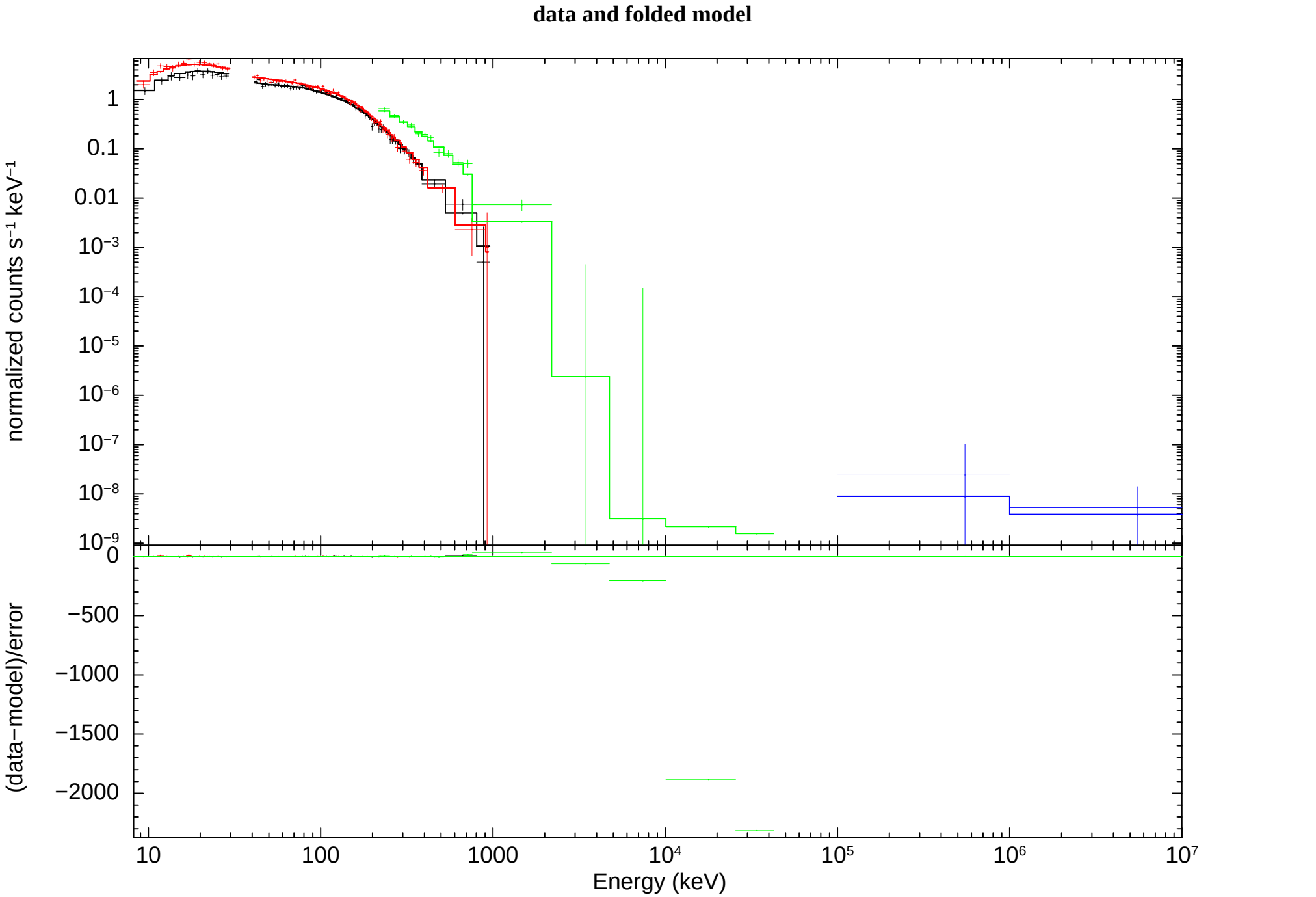

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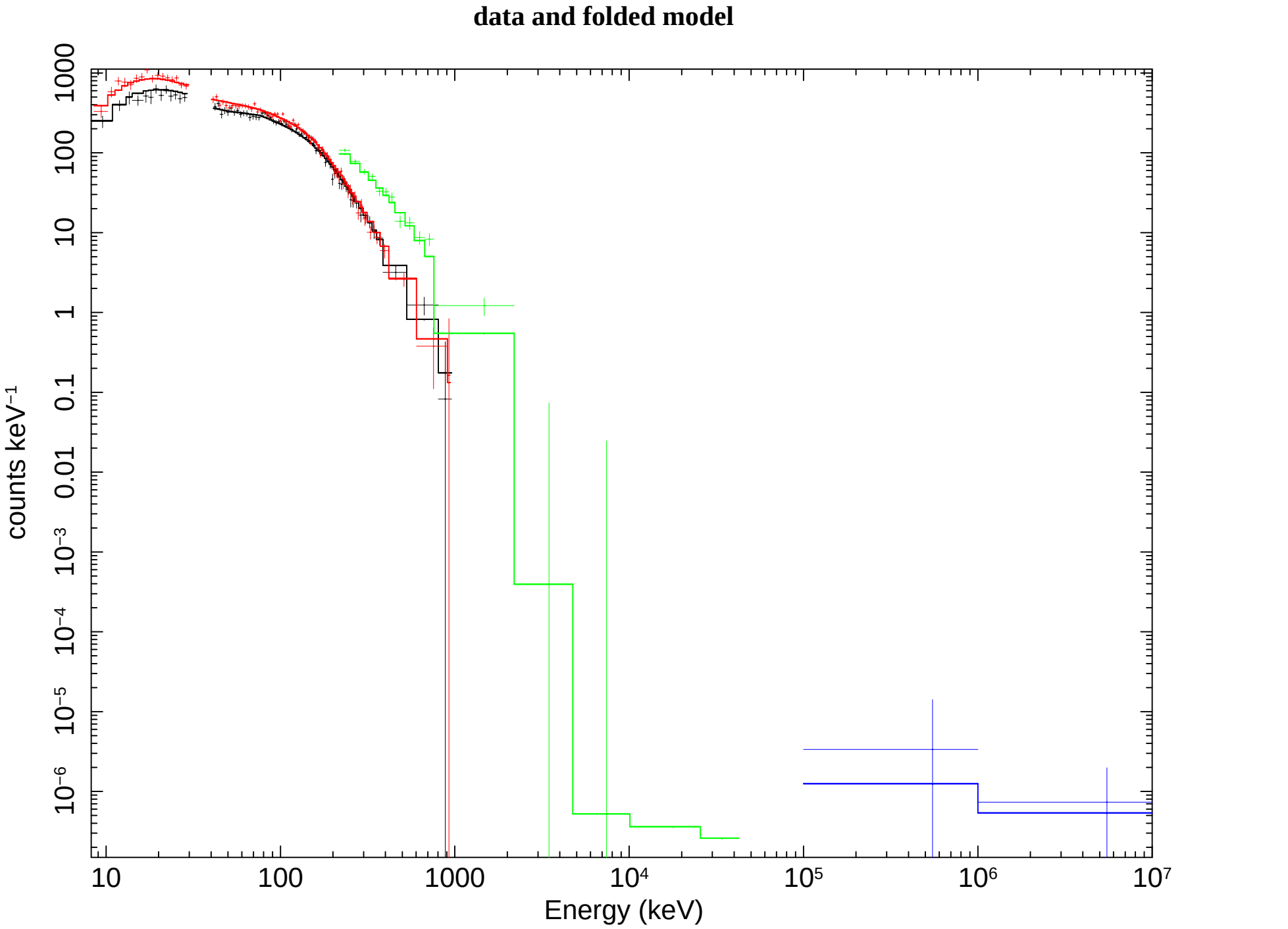
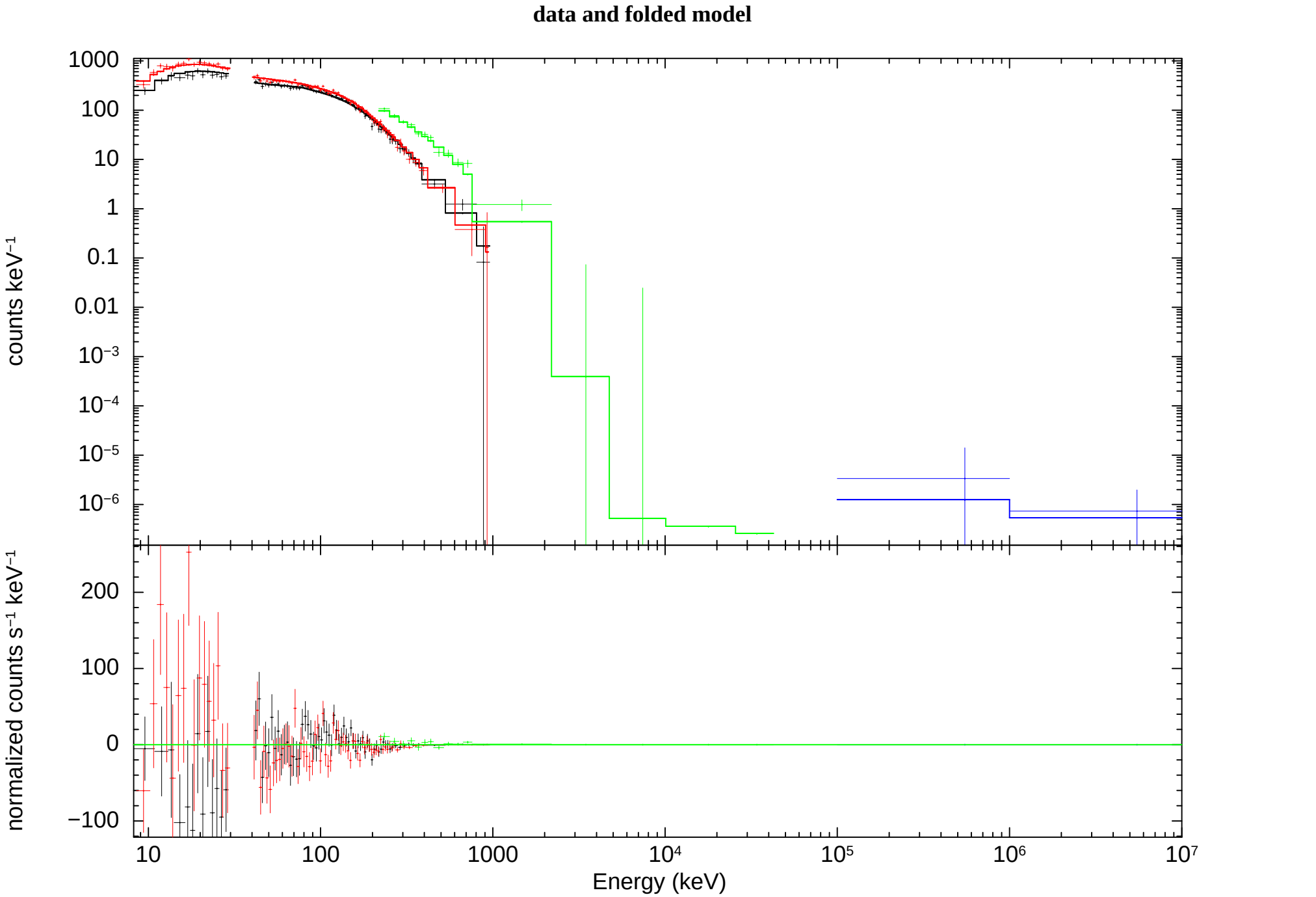
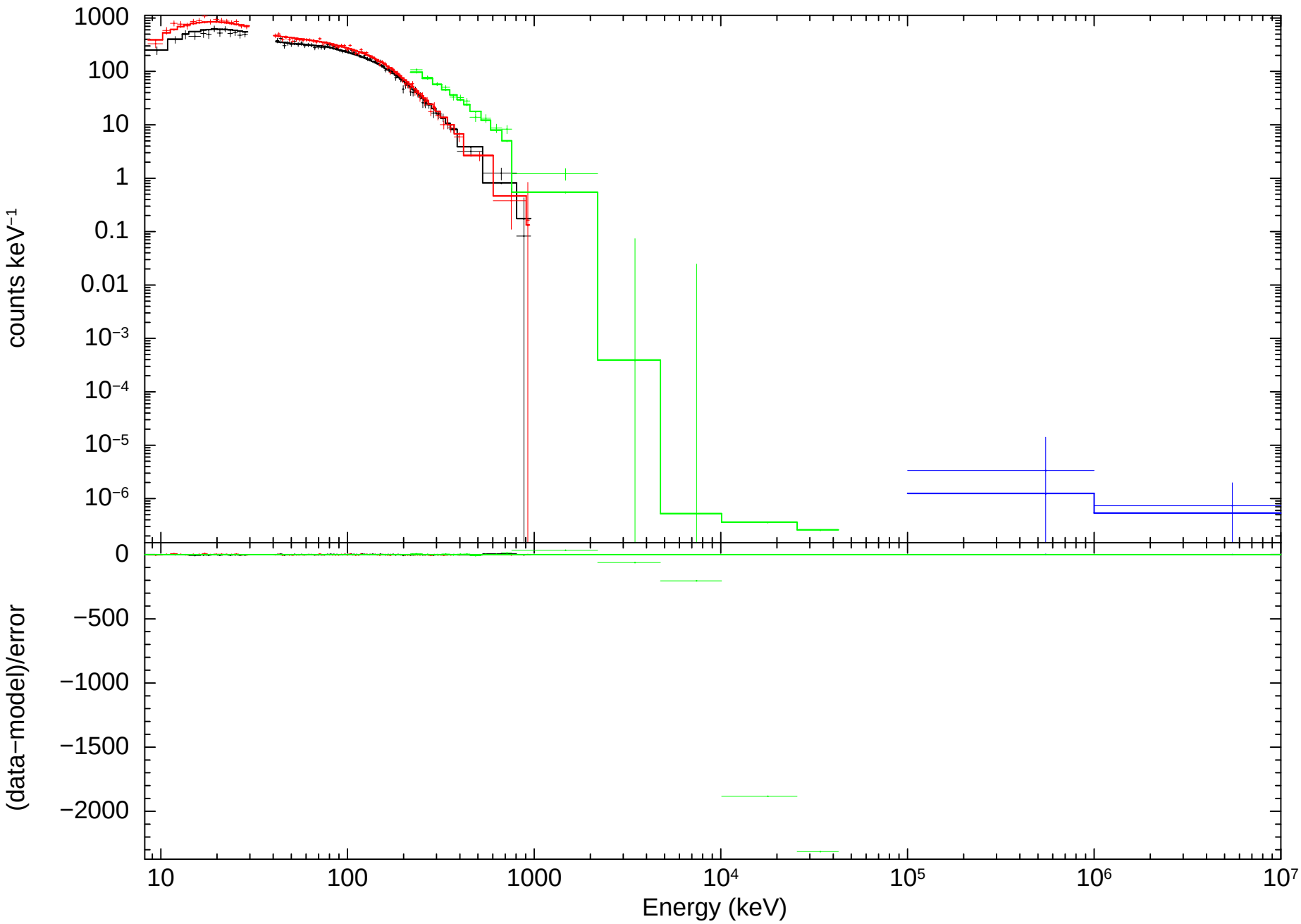

data and folded model
counts keV⁻¹
Energy (keV)
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁻⁶
10⁻⁵
10⁻⁴
10⁻³
0.01
0.1
1
10
100
1000
KimiZ 27−Mar−2017 18:31


data and folded model
counts keV⁻¹
normalized counts s⁻¹ keV⁻¹
Energy (keV)
KimiZ 27−Mar−2017 18:31



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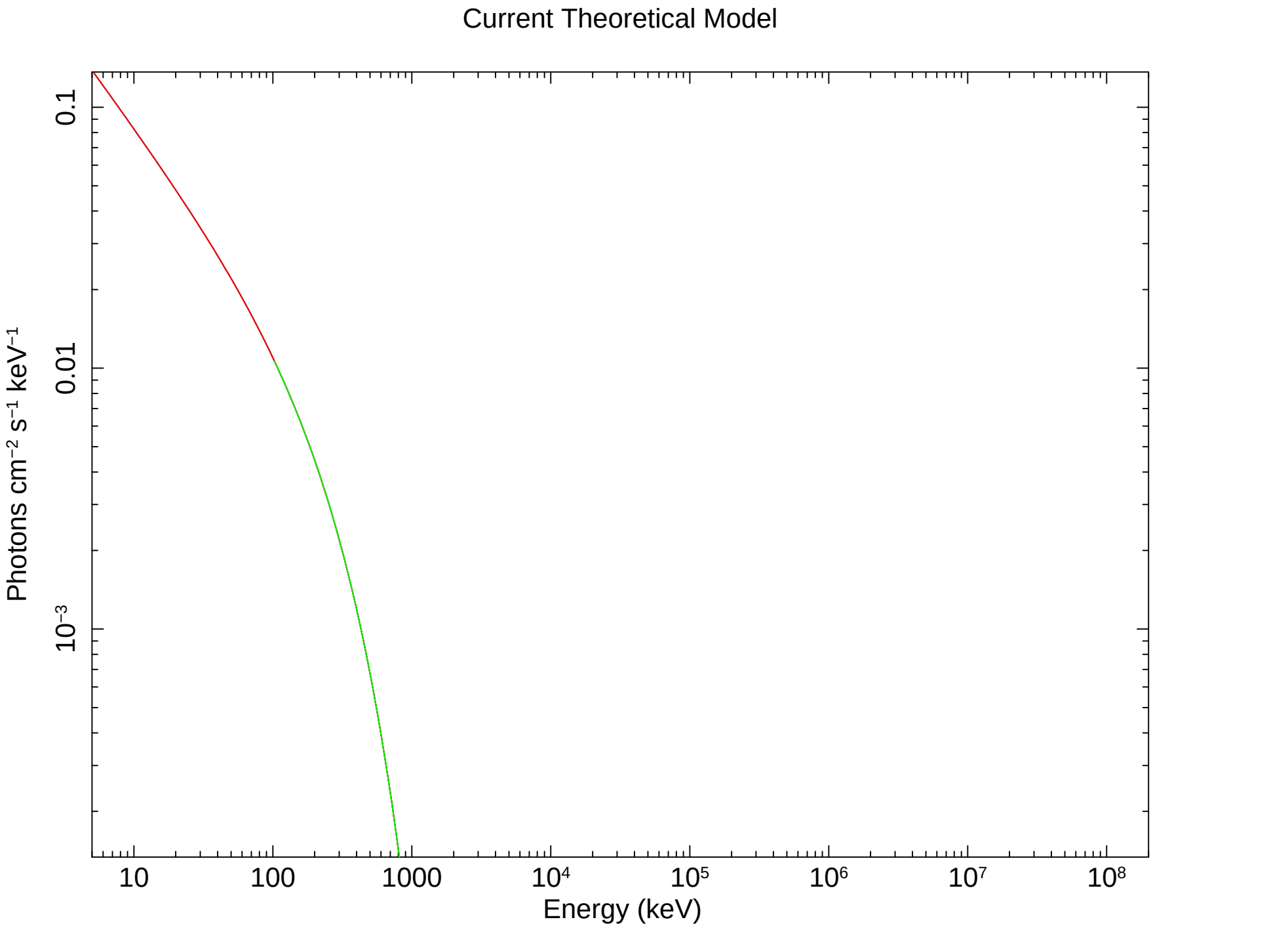
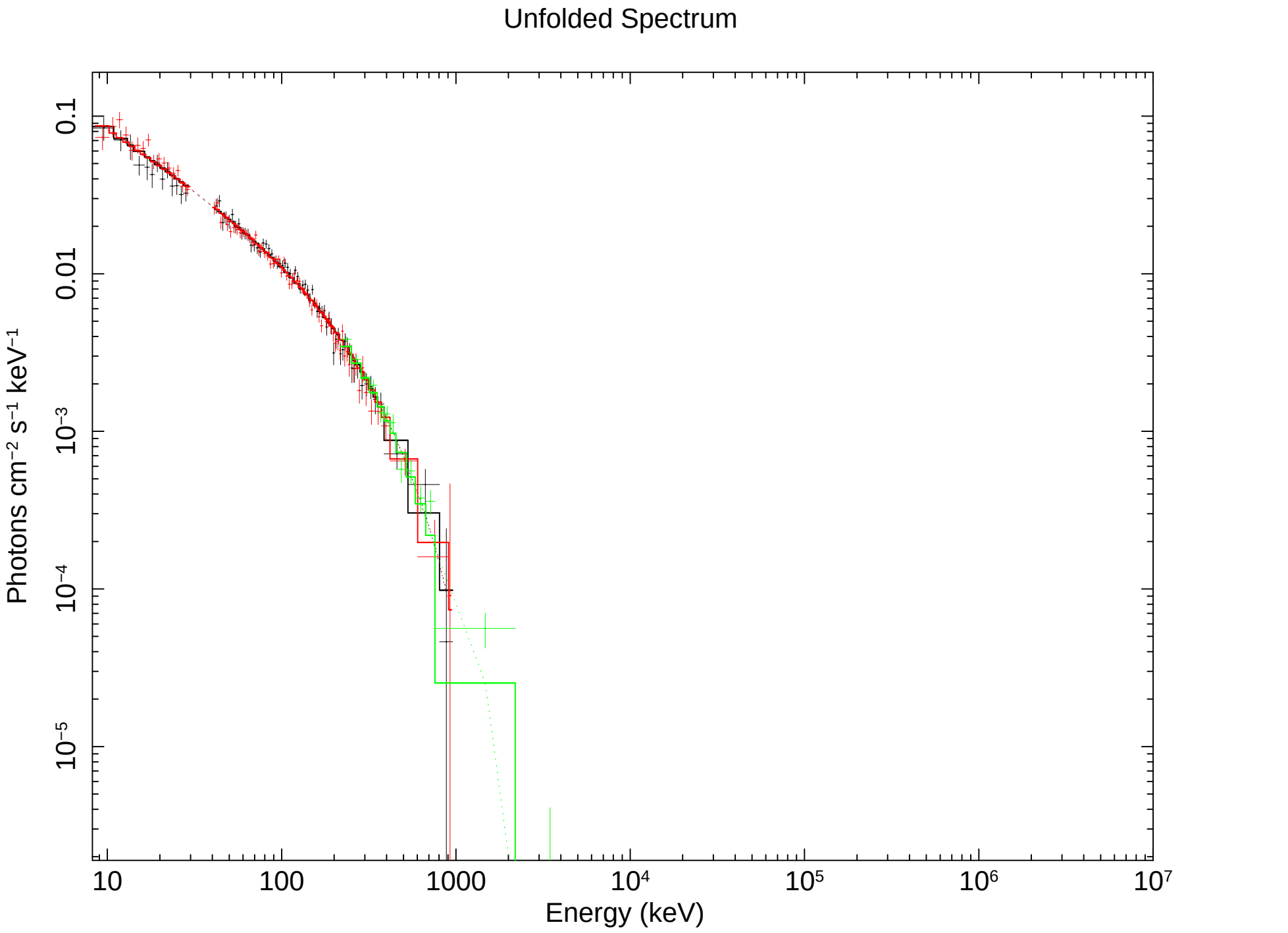
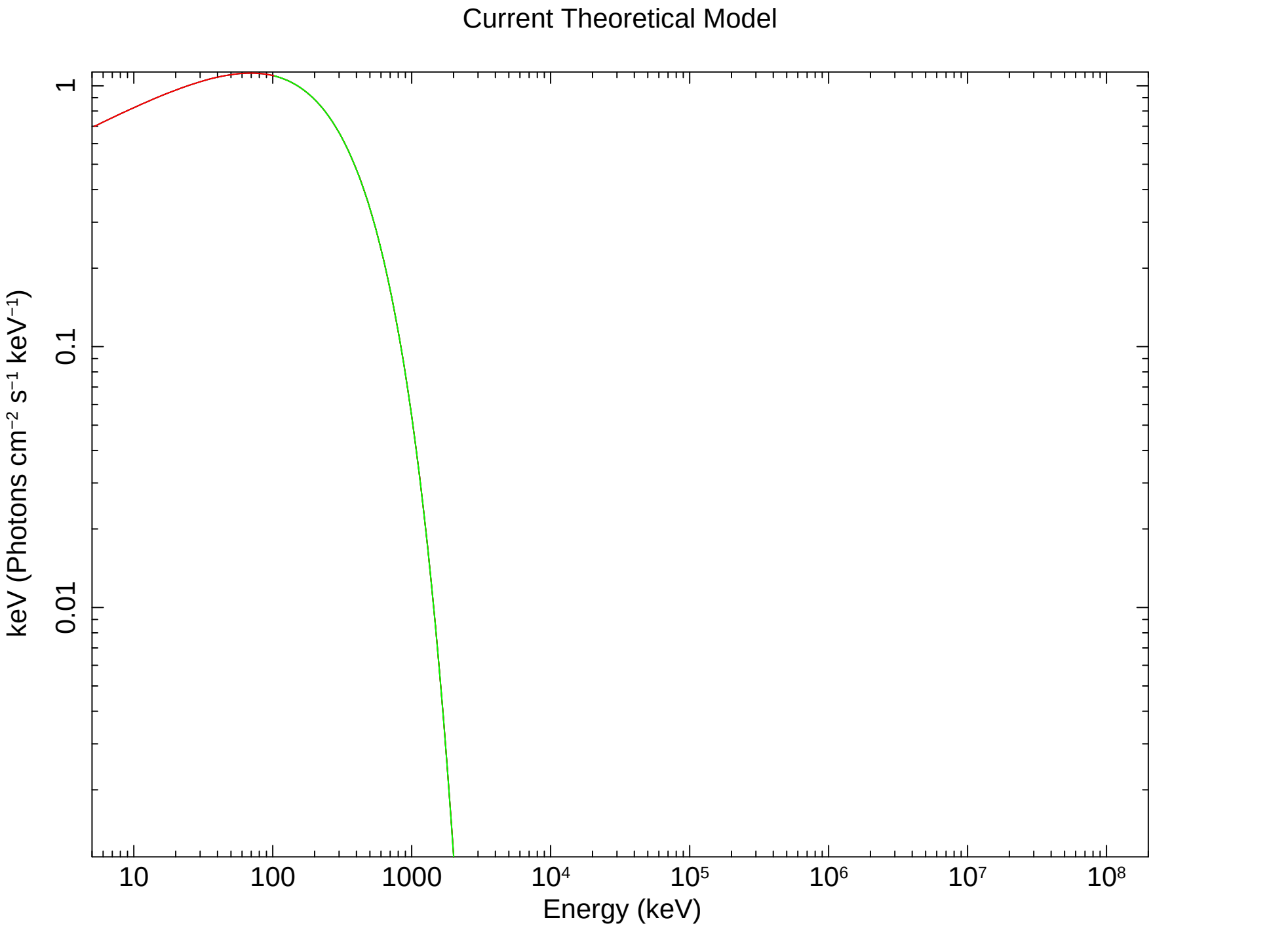
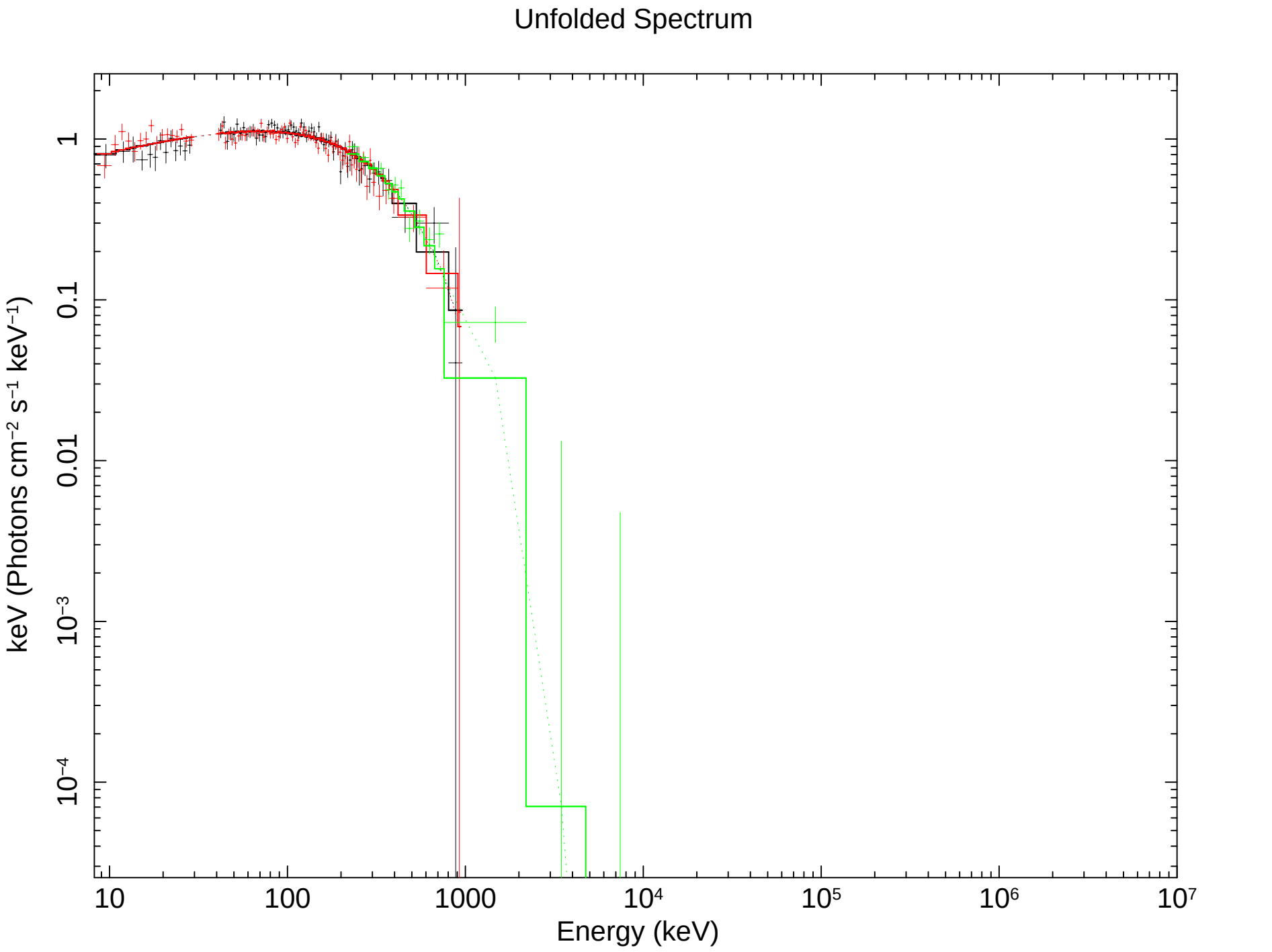
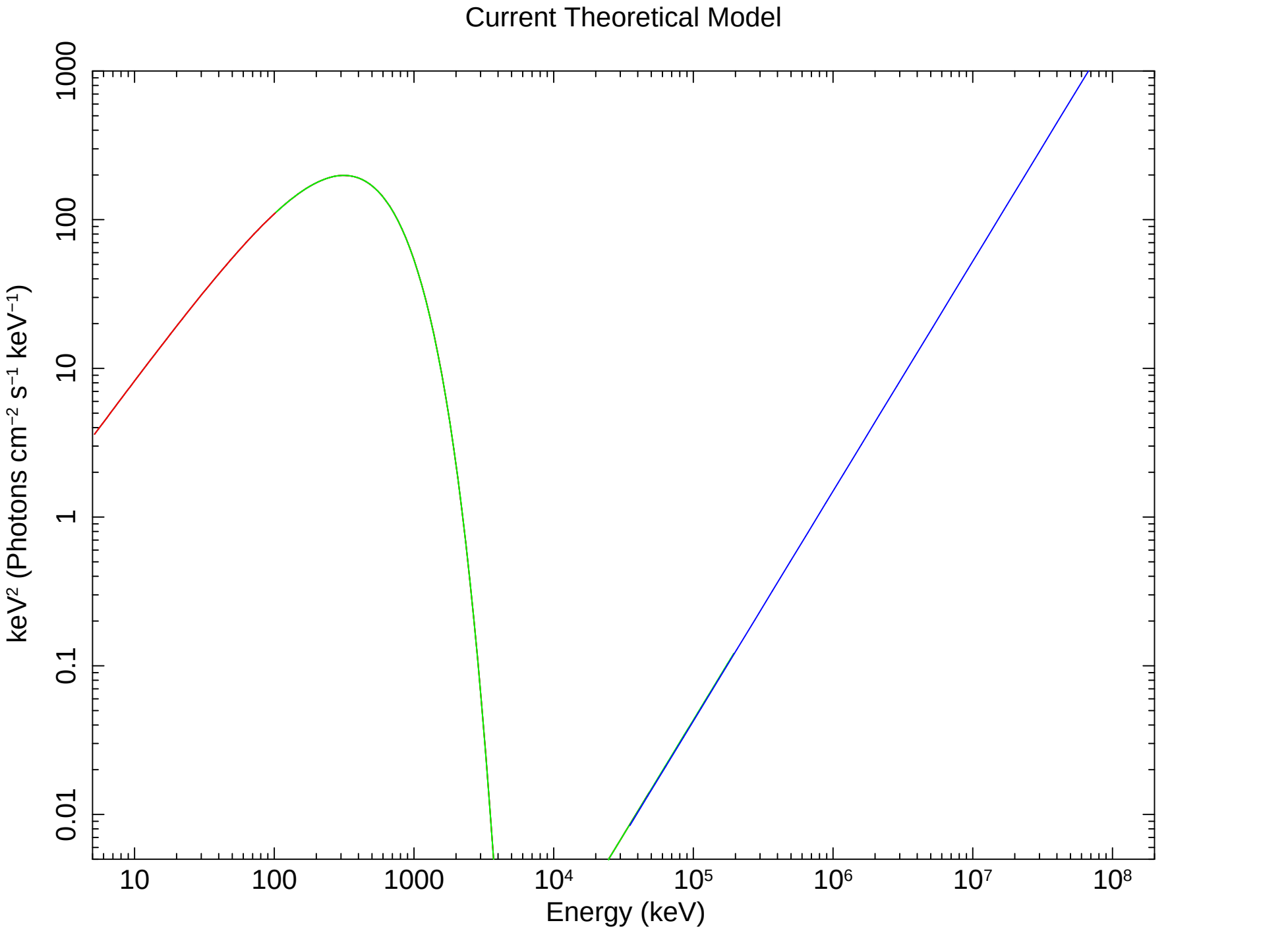

Current Theoretical Model
Photons cm^{-2} s^{-1} keV^{-1}
0.1
0.01
10^{-3}
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 27−Mar−2017 18:31


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
10^7
Energy (keV)
KimiZ 27−Mar−2017 18:31


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 27−Mar−2017 18:31


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
10^7
Energy (keV)
KimiZ 27−Mar−2017 18:31



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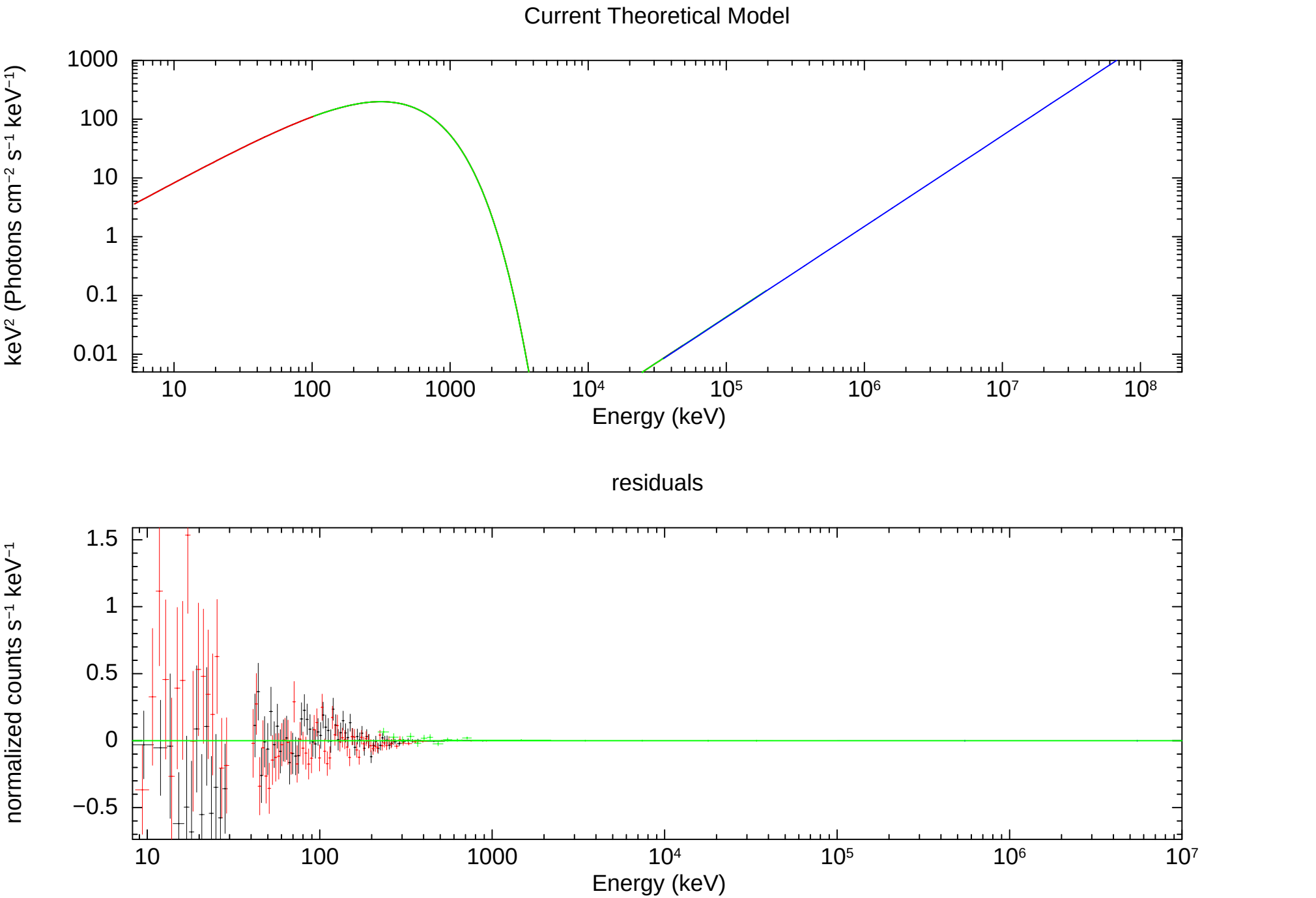
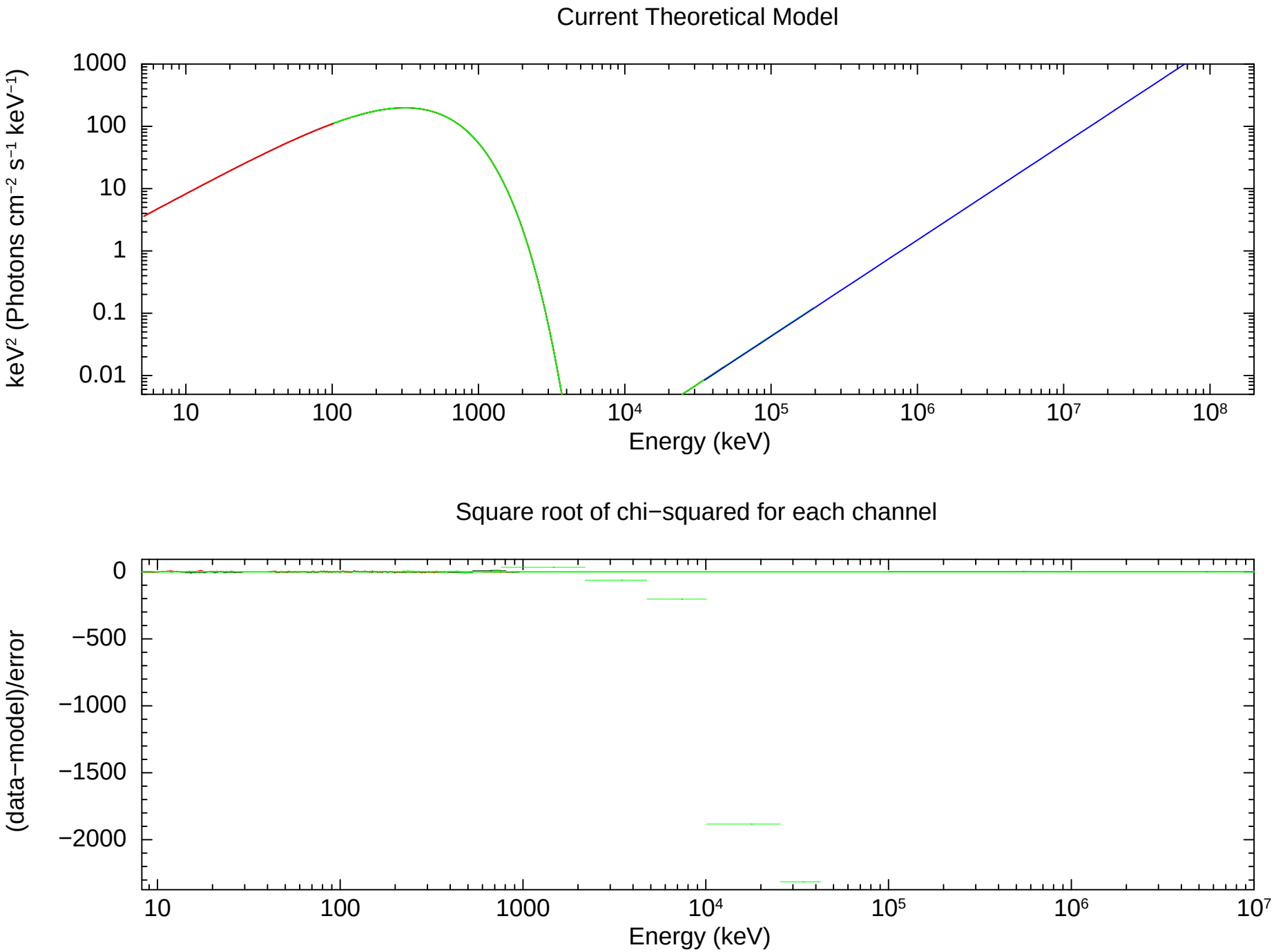
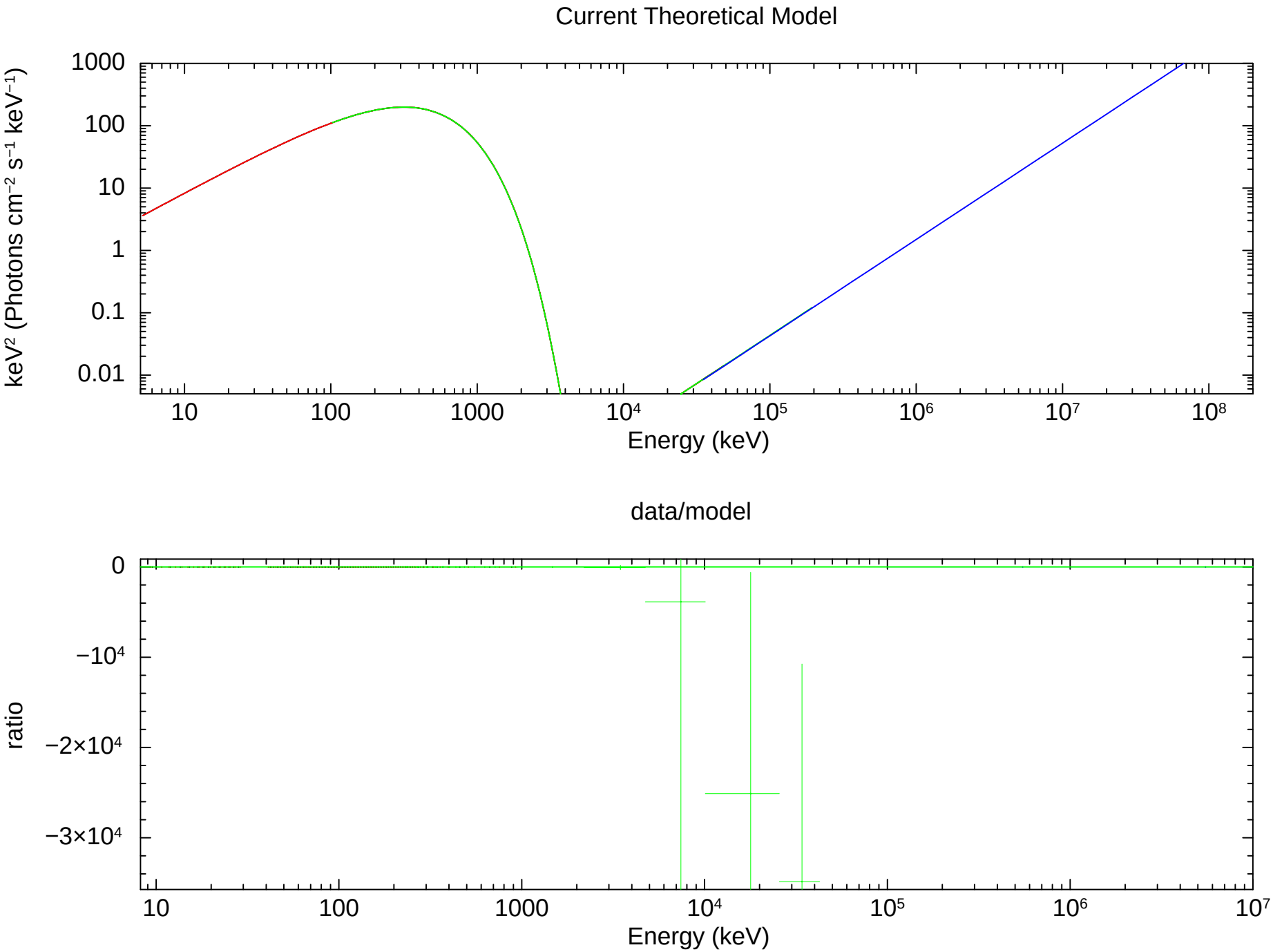

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
0.01
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
residuals
normalized counts s⁻¹ keV⁻¹
1.5
1
0.5
0
−0.5
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31


Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
0.01
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
Square root of chi−squared for each channel
(data−model)/error
0
−500
−1000
−1500
−2000
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31



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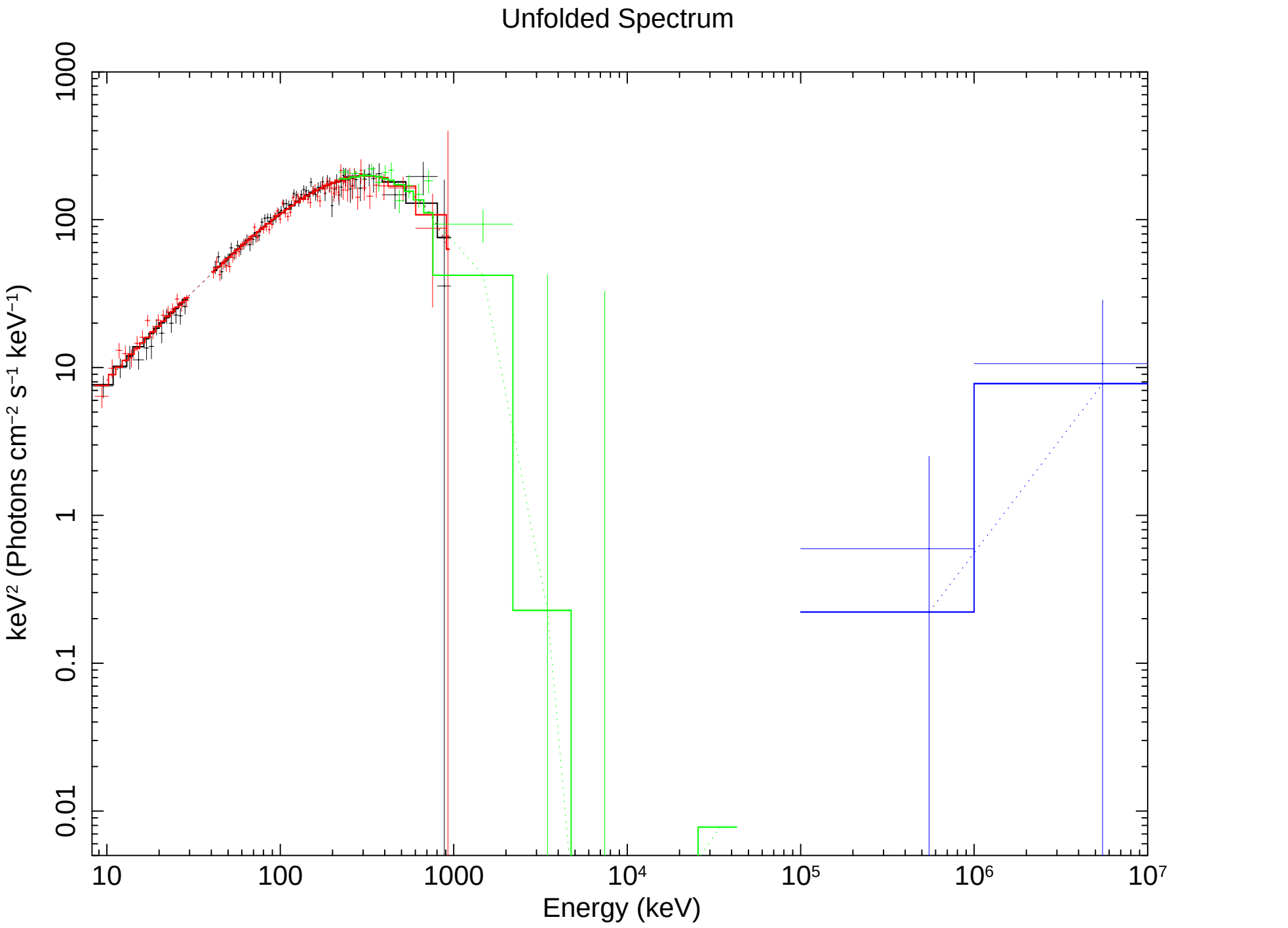
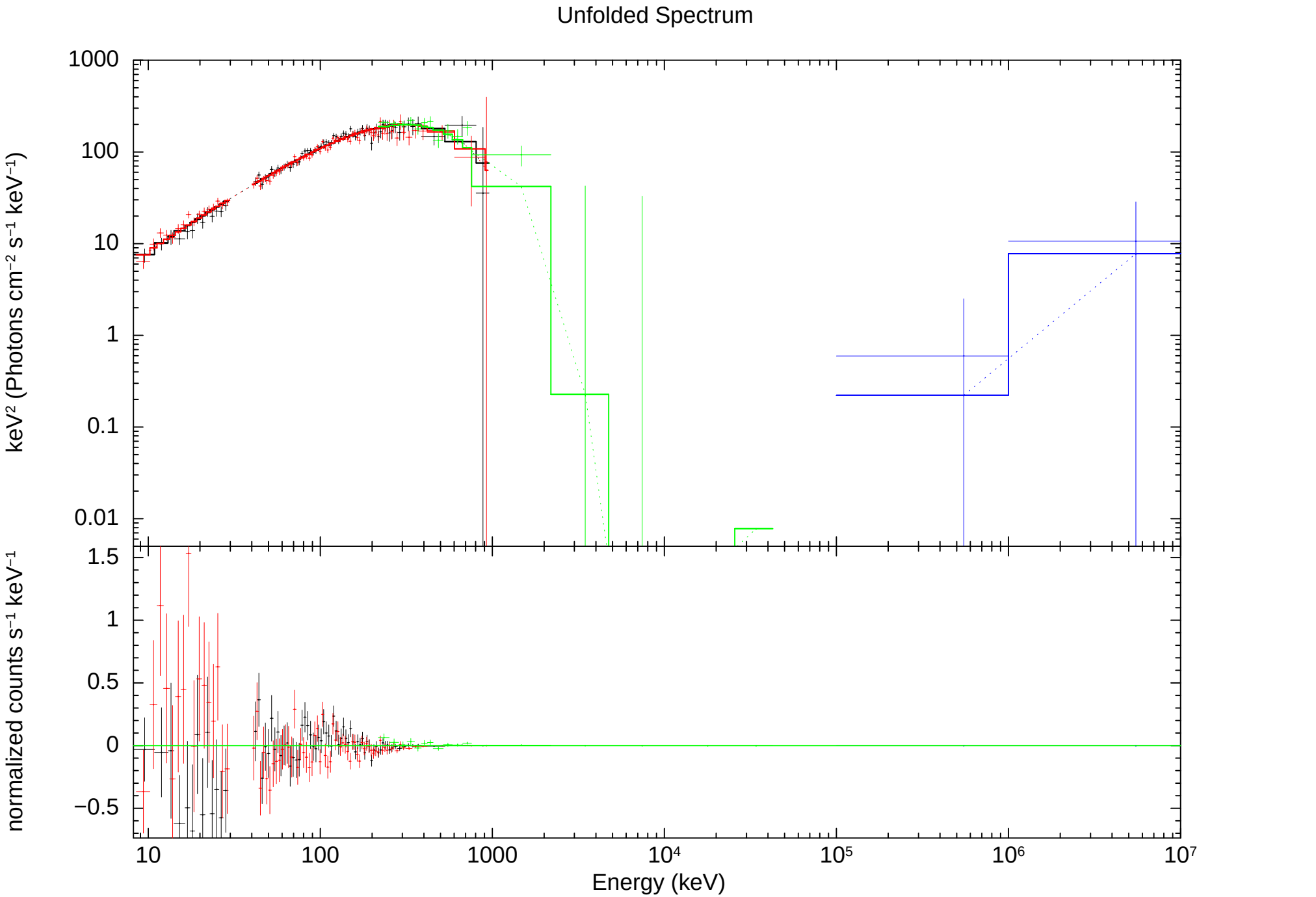

Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
1000
100
10
1
0.1
0.01
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31



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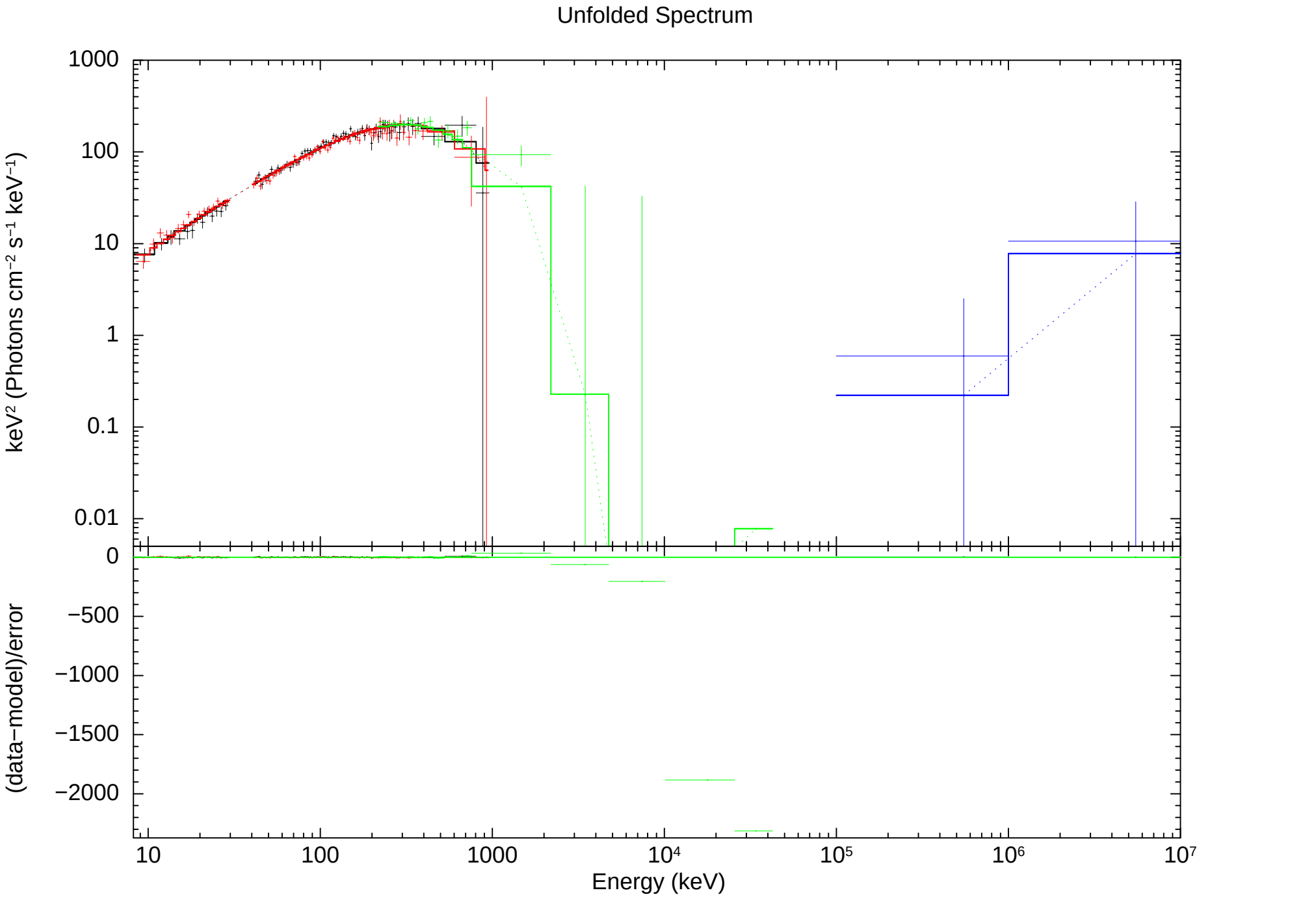
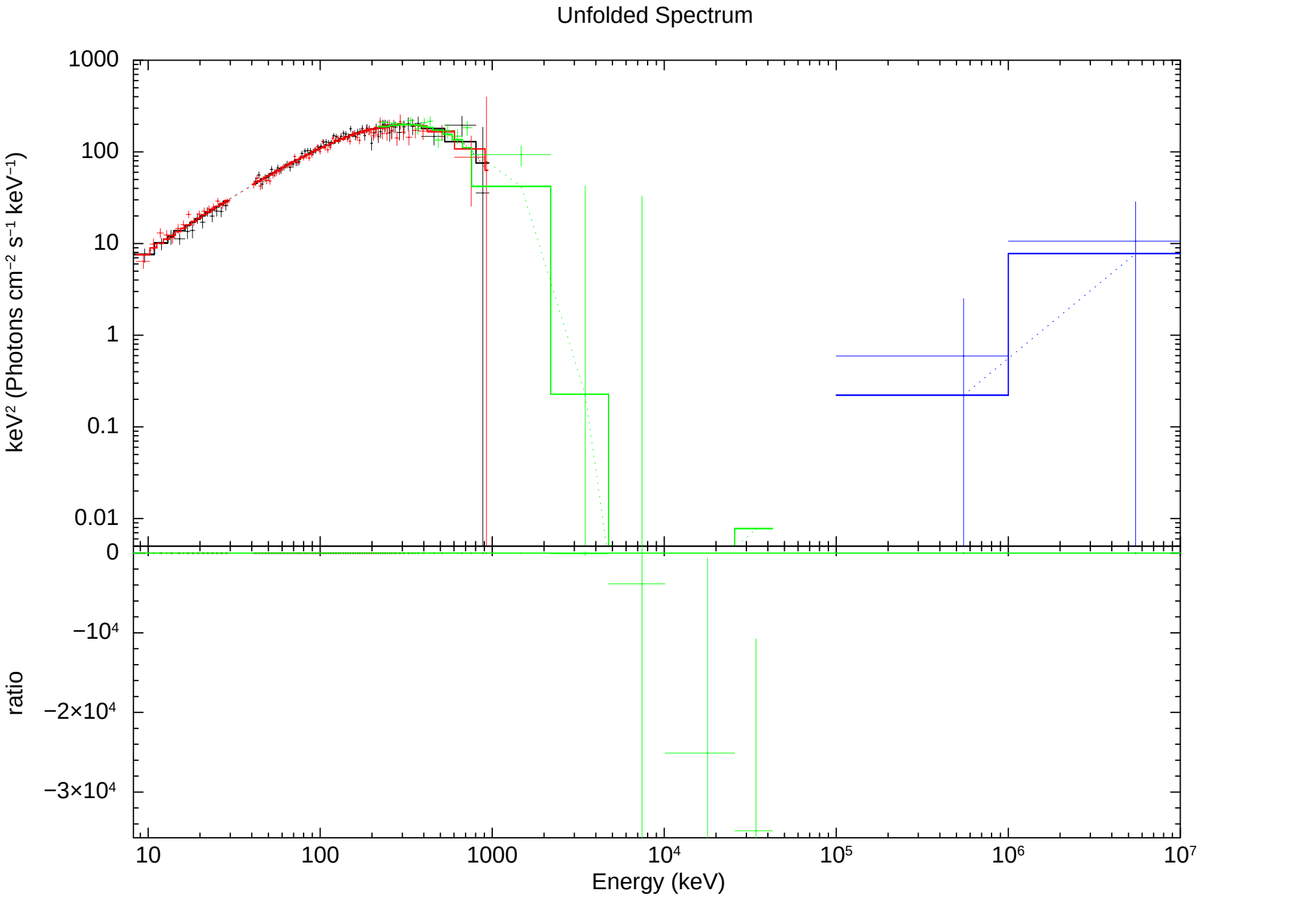
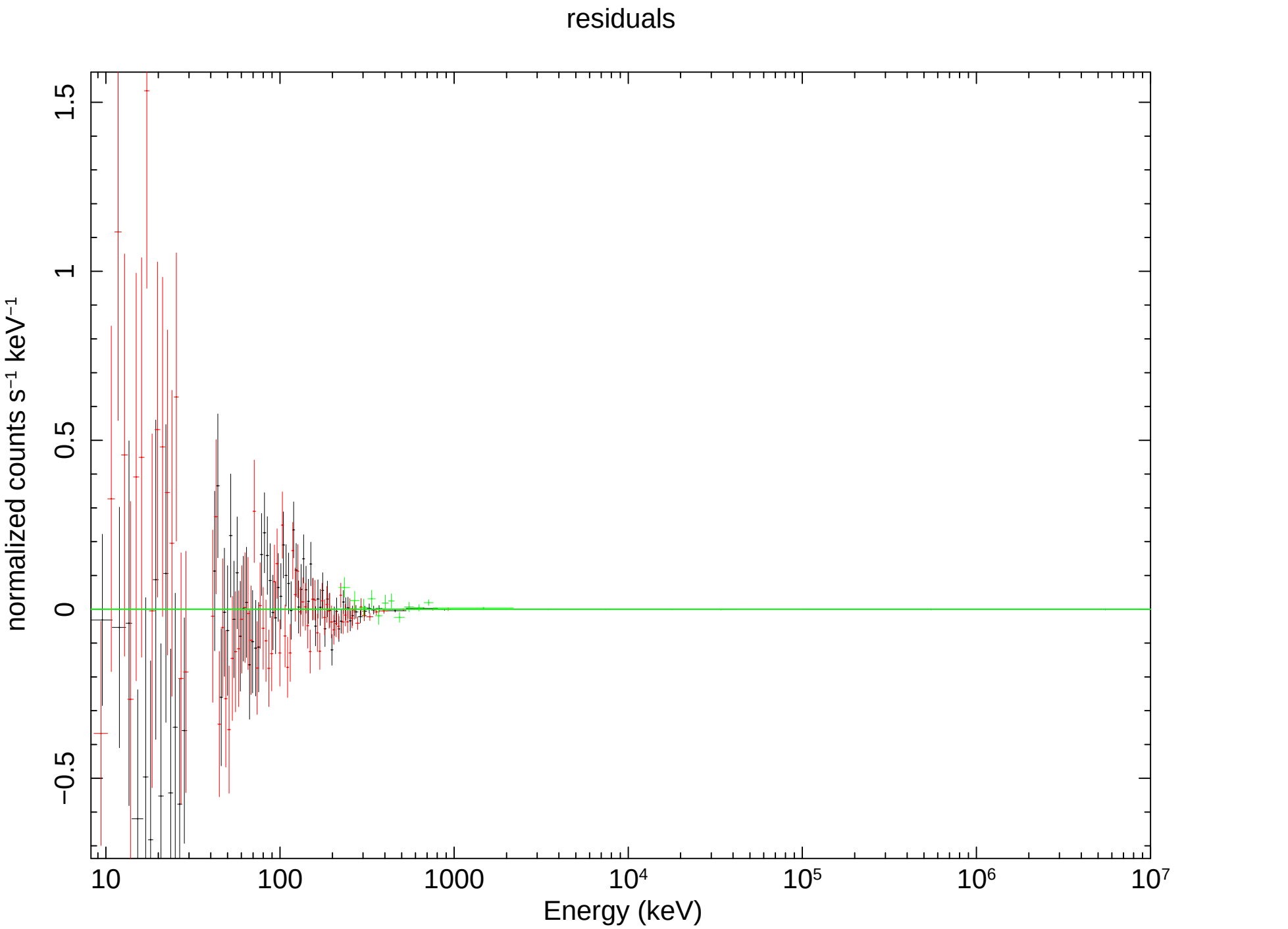
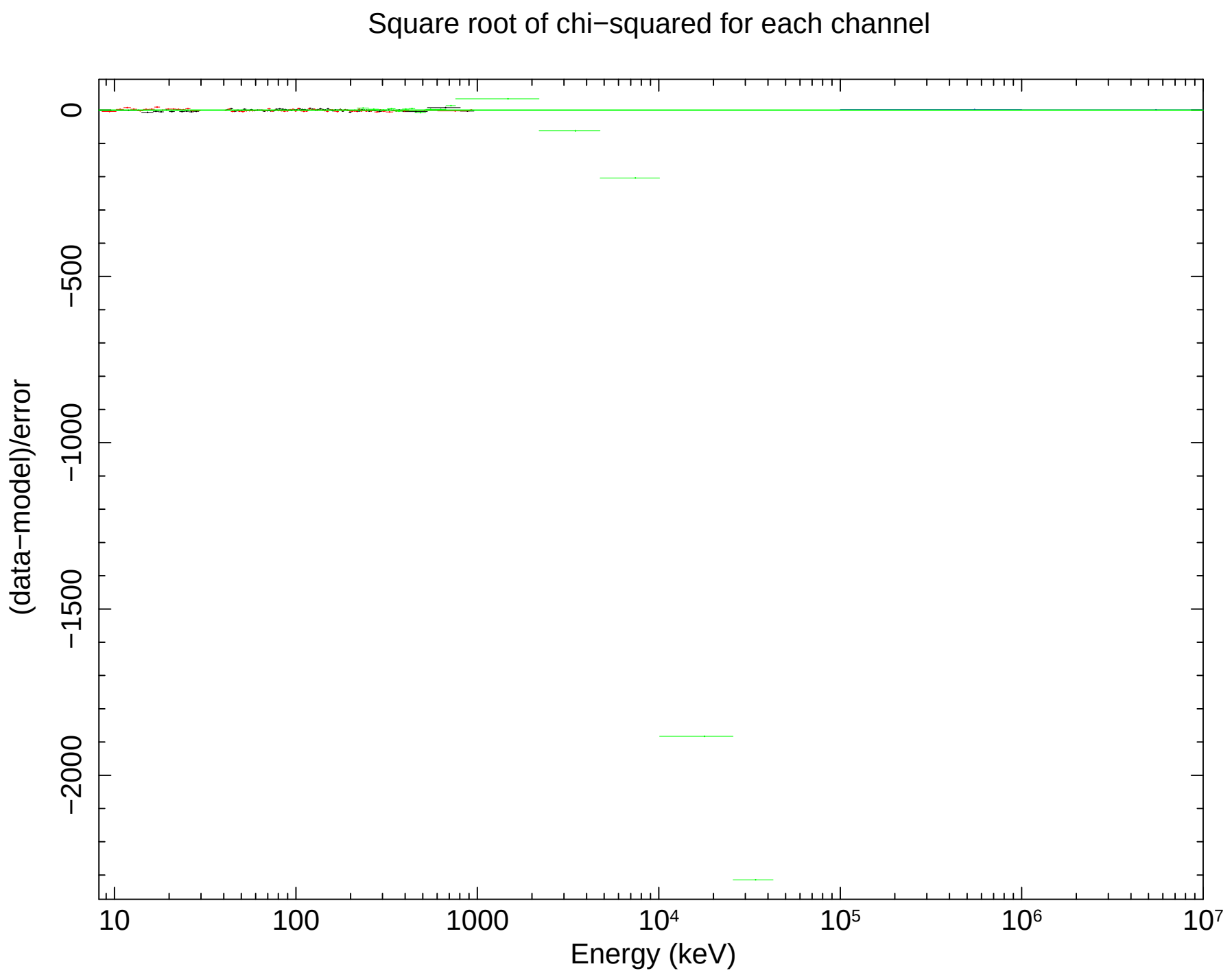
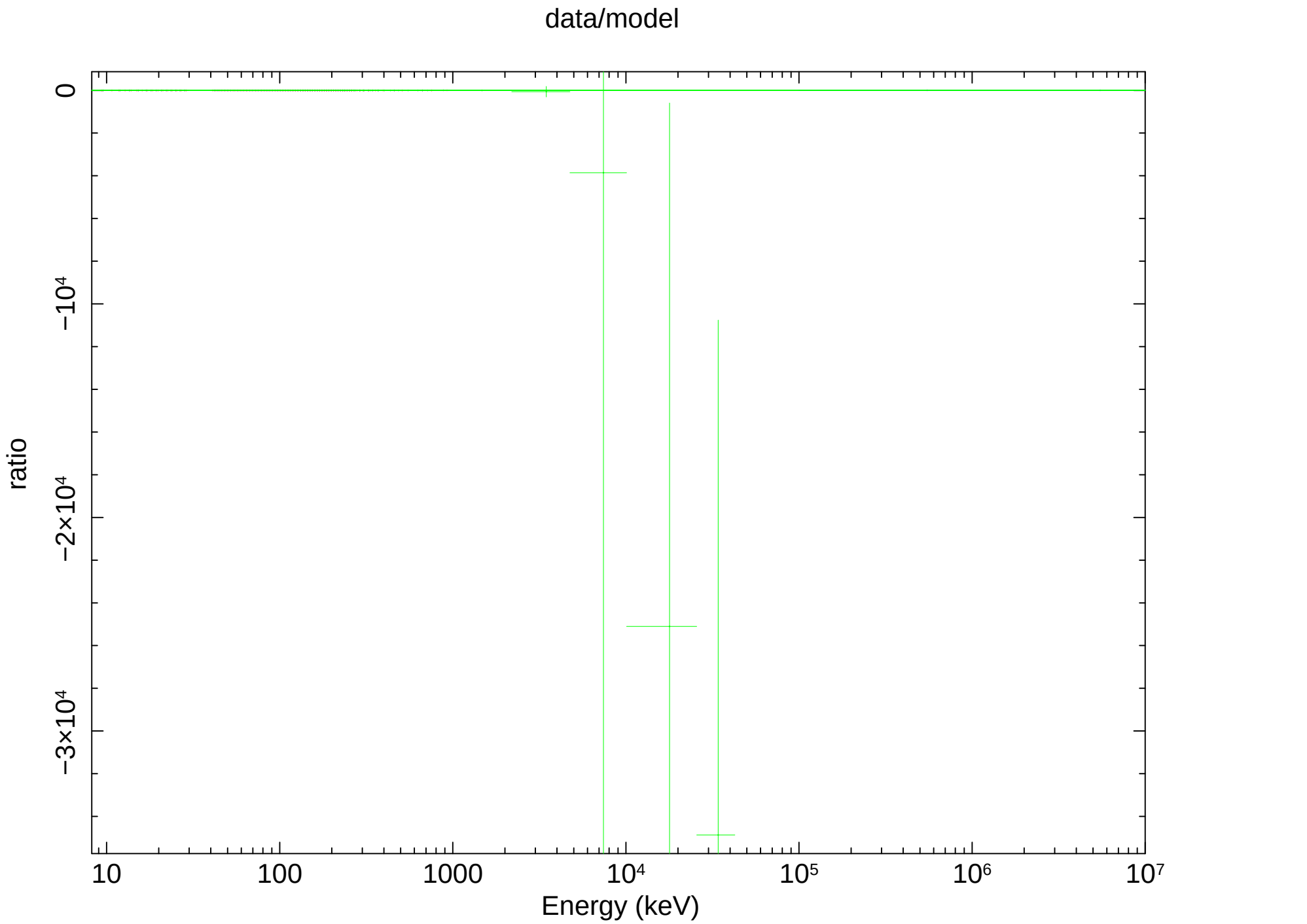

Unfolded Spectrum
1000
100
10
1
0.1
0.01
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
0
−500
−1000
−1500
−2000
(data−model)/error
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31


Unfolded Spectrum
1000
100
10
1
0.1
0.01
0
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
−10⁴
−2×10⁴
−3×10⁴
ratio
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31


residuals
normalized counts s^{-1} keV^{-1}
1.5
1
0.5
0
−0.5
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 27−Mar−2017 18:31


Square root of chi−squared for each channel
(data−model)/error
0
−500
−1000
−1500
−2000
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31


data/model
ratio
0
−10⁴
−2×10⁴
−3×10⁴
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 27−Mar−2017 18:31