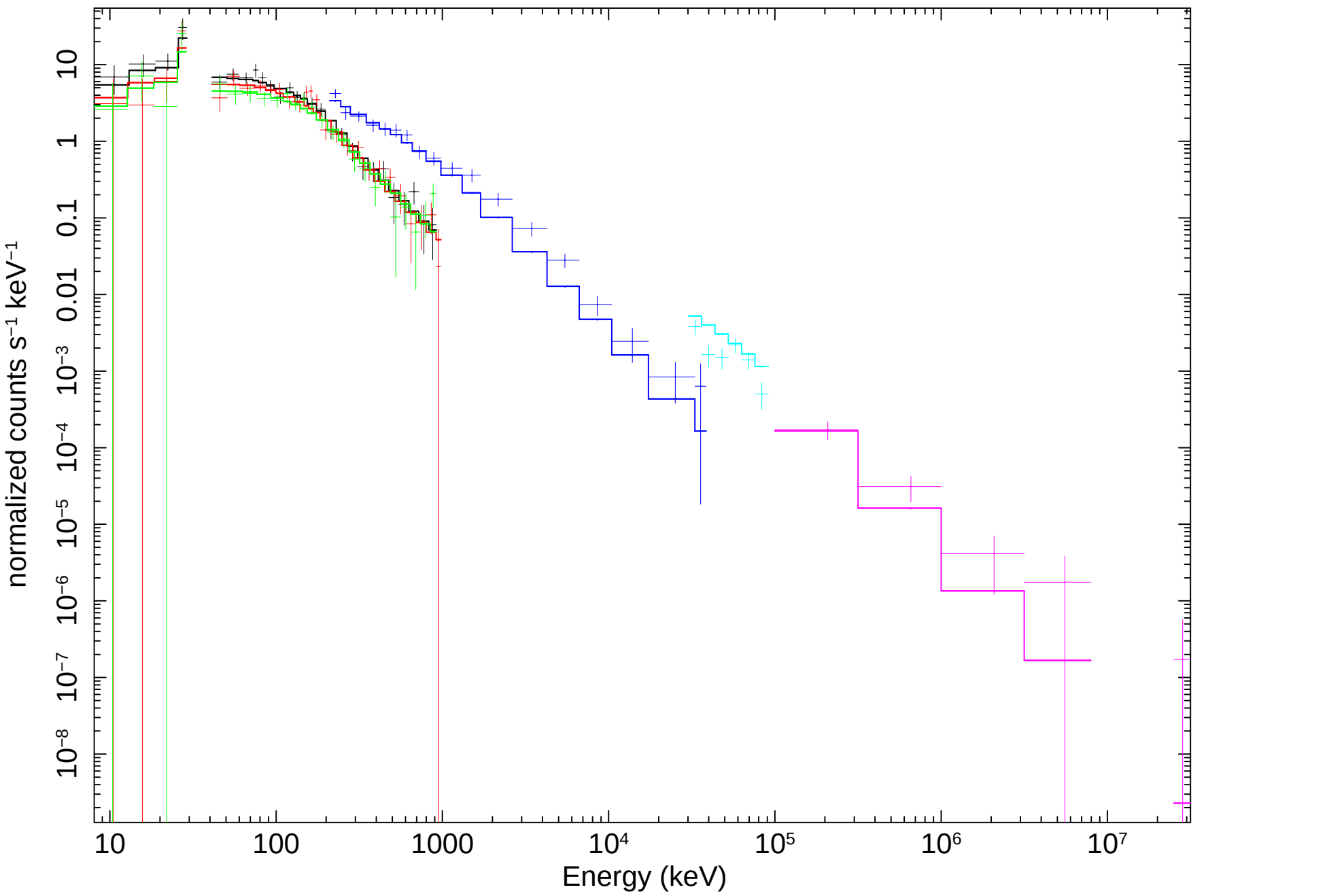
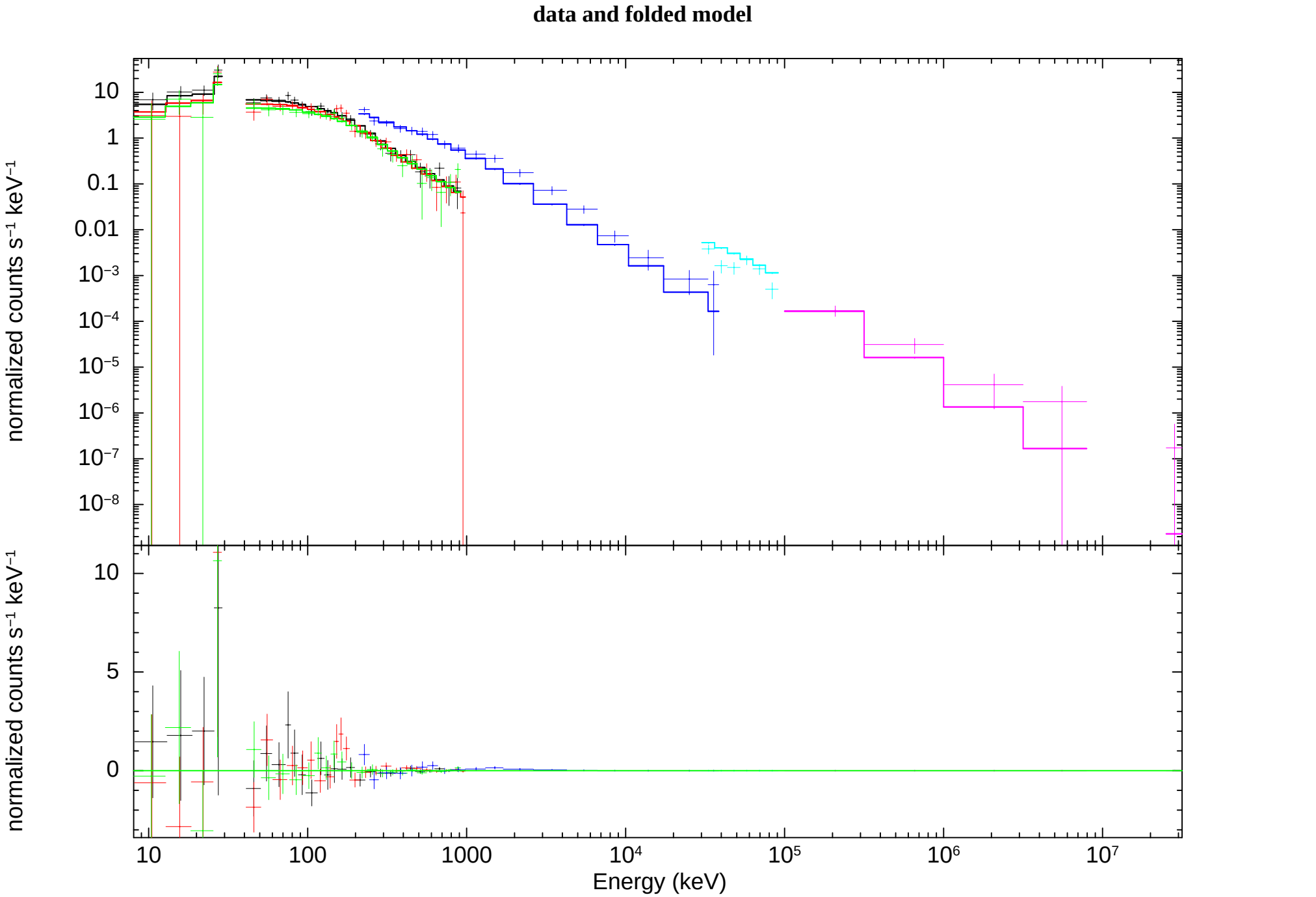
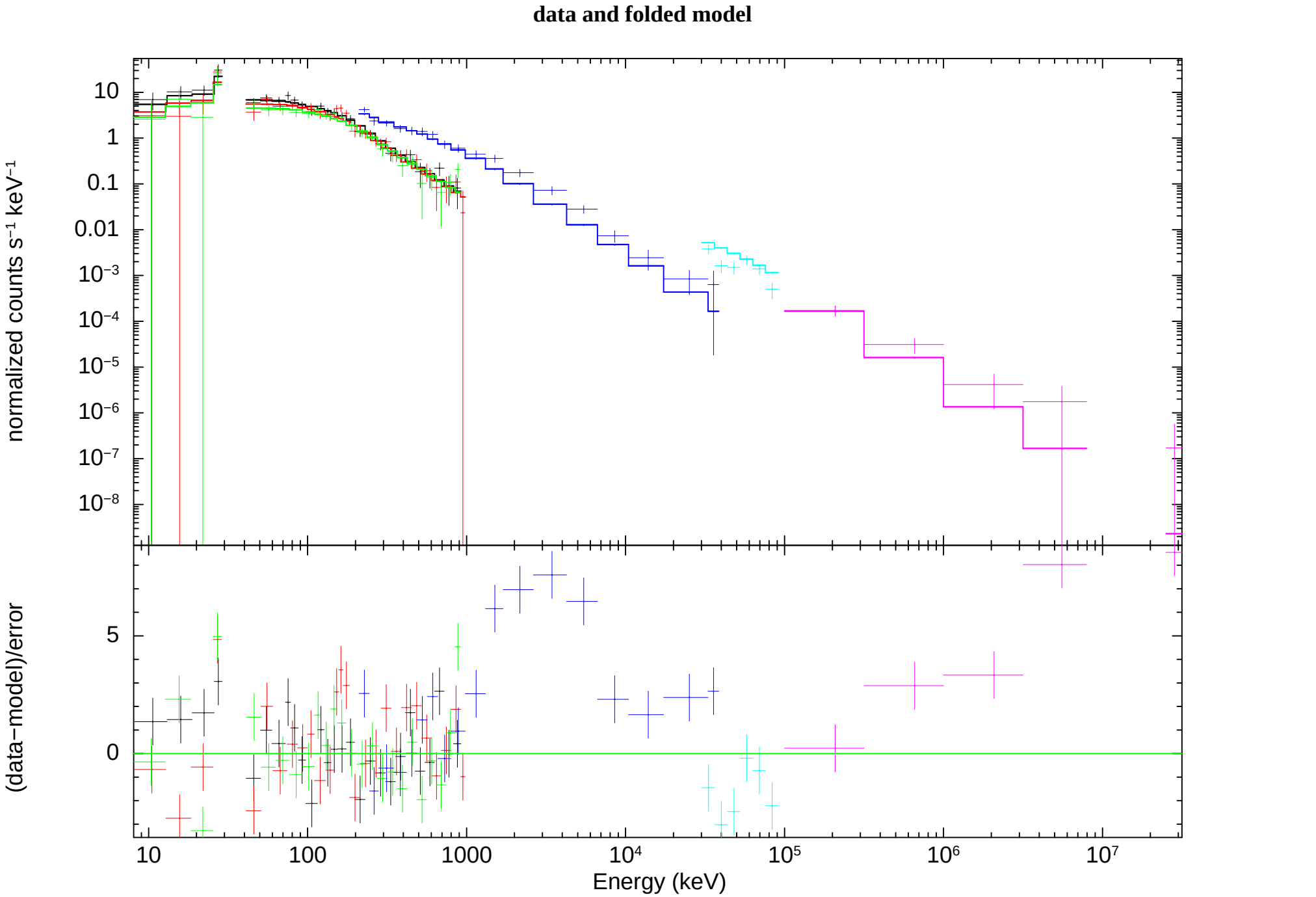
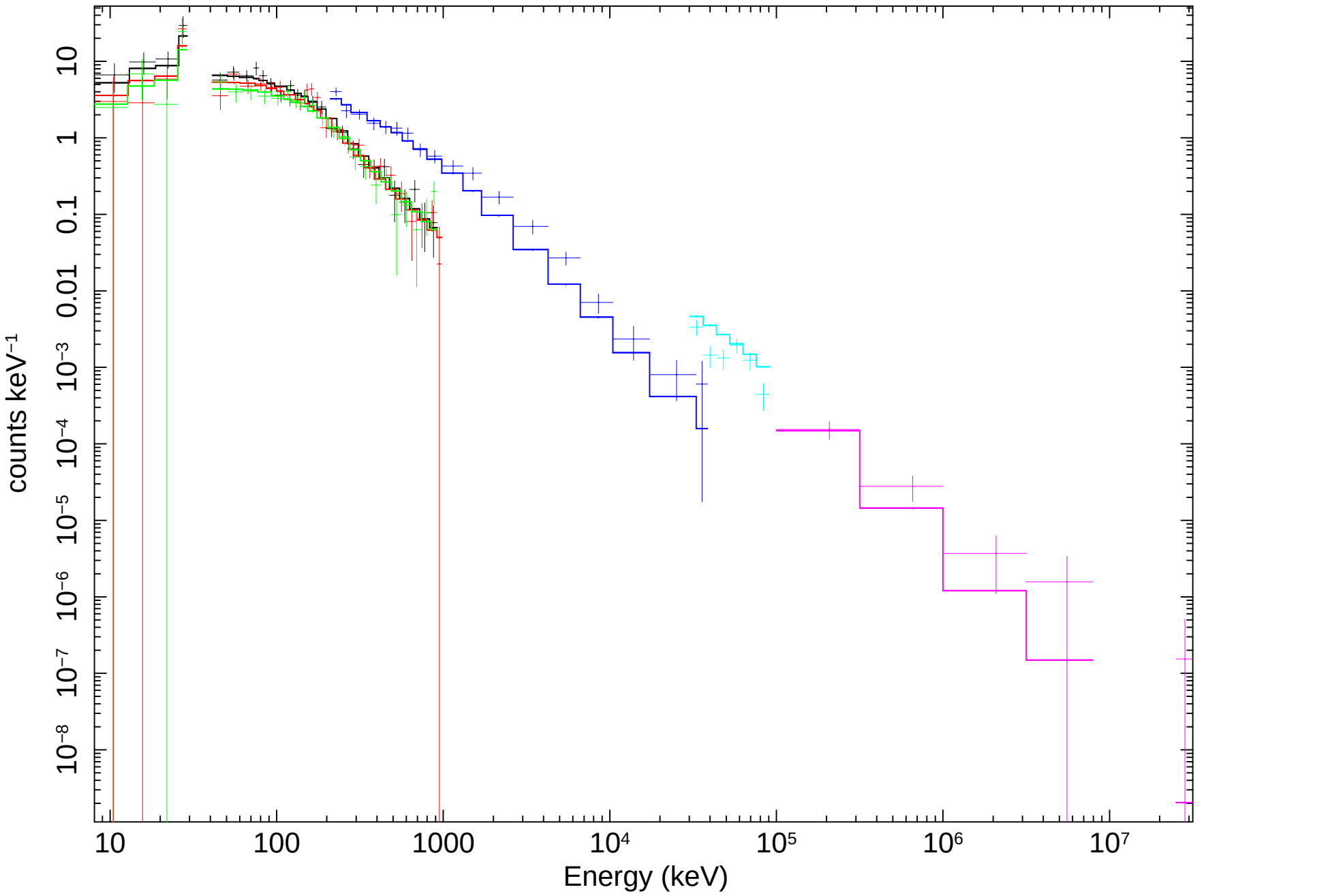
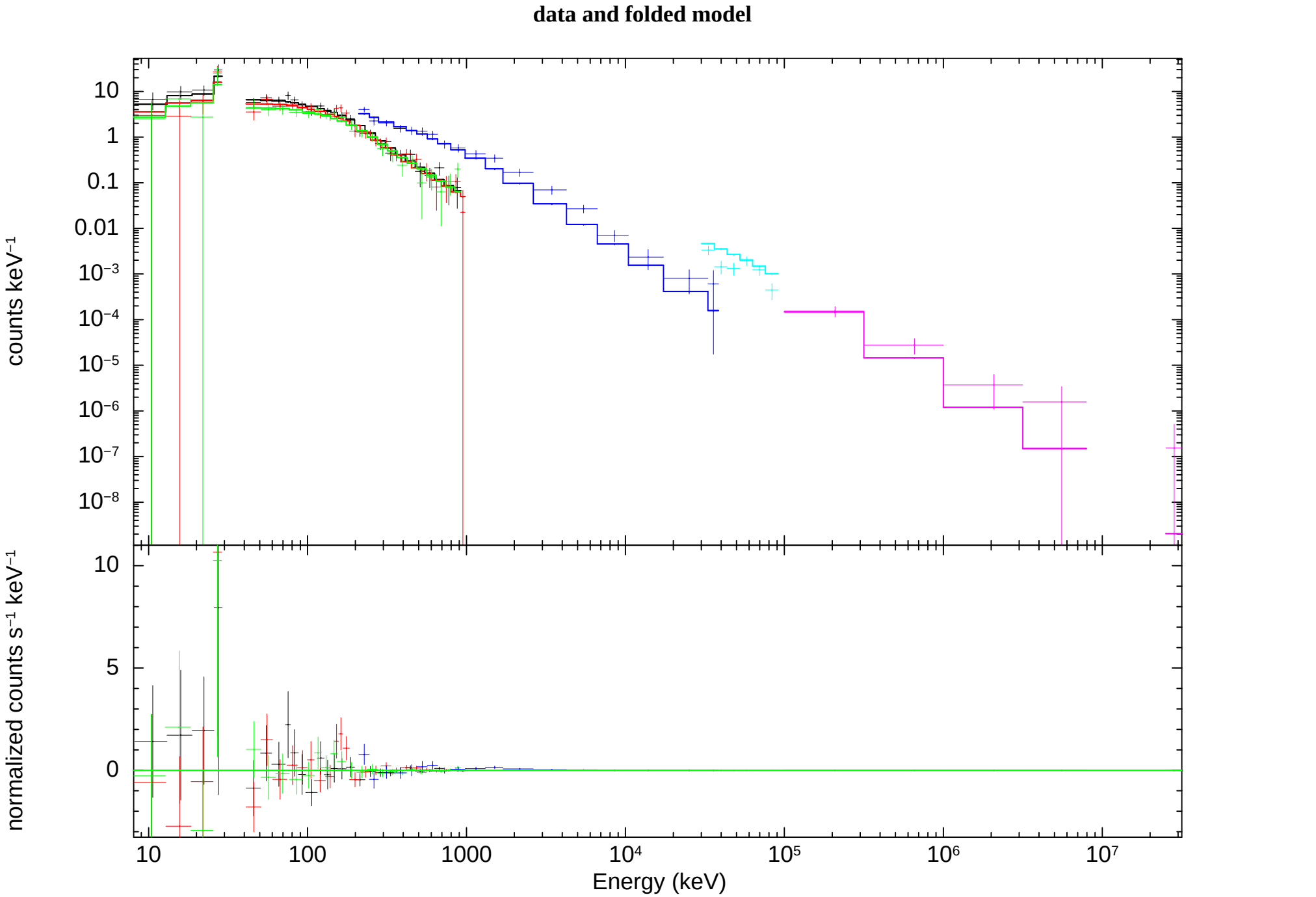

data and folded model
normalized counts s^{-1} keV^{-1}
10
1
0.1
0.01
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10^{-8}
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 24−Mar−2017 11:27

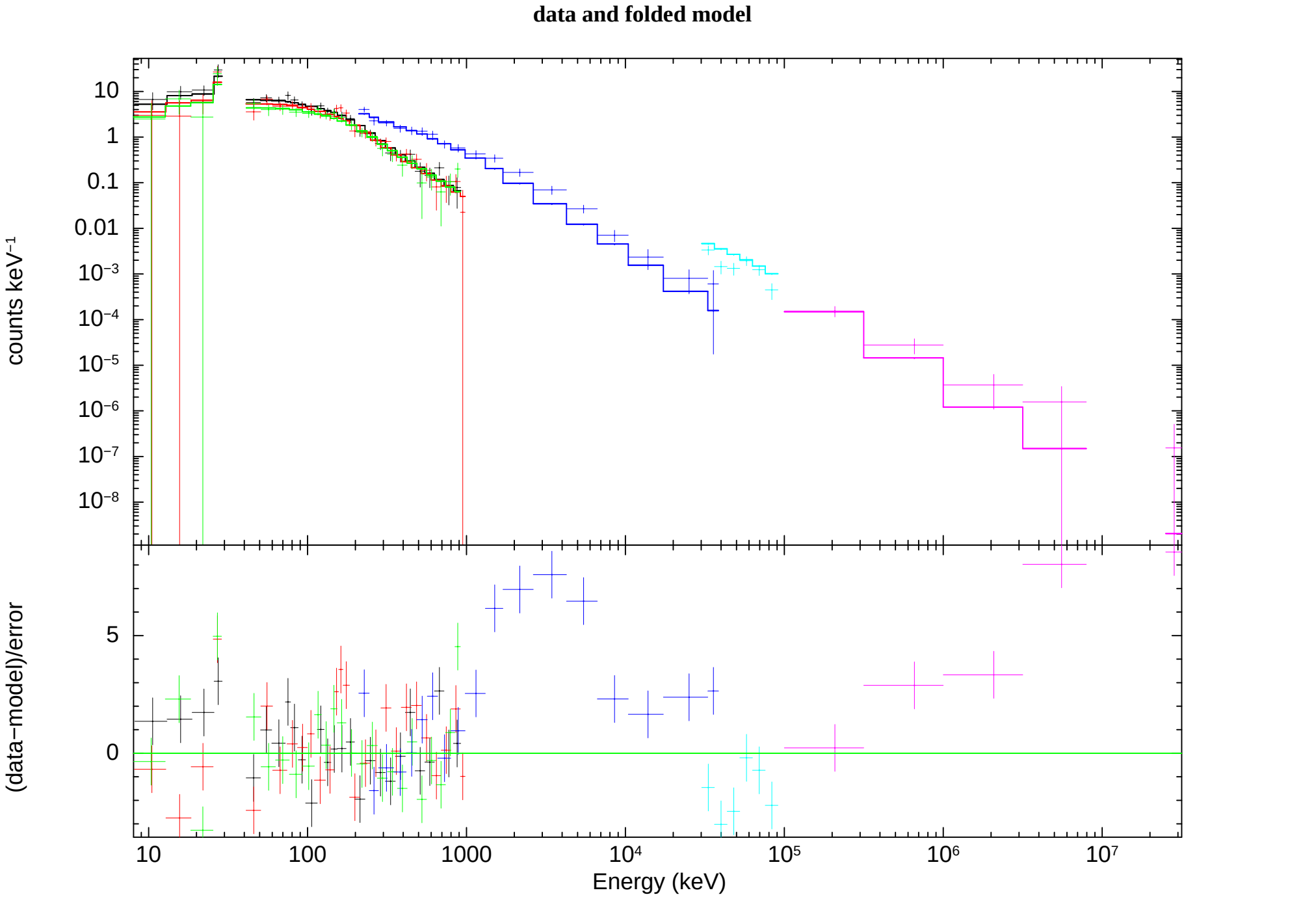

data and folded model
normalized counts s⁻¹ keV⁻¹
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
10⁻⁸
normalized counts s⁻¹ keV⁻¹
10
5
0
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:27

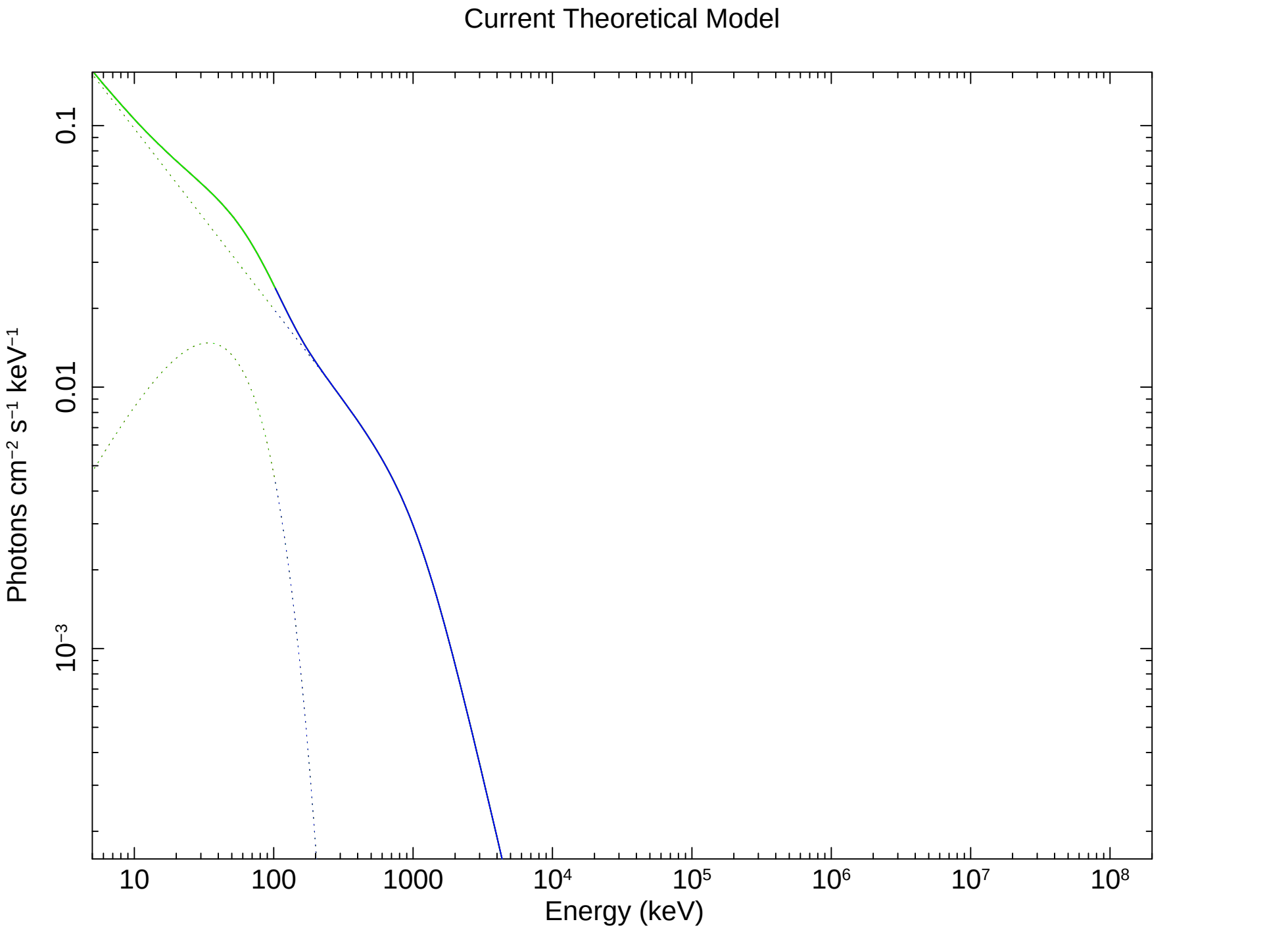


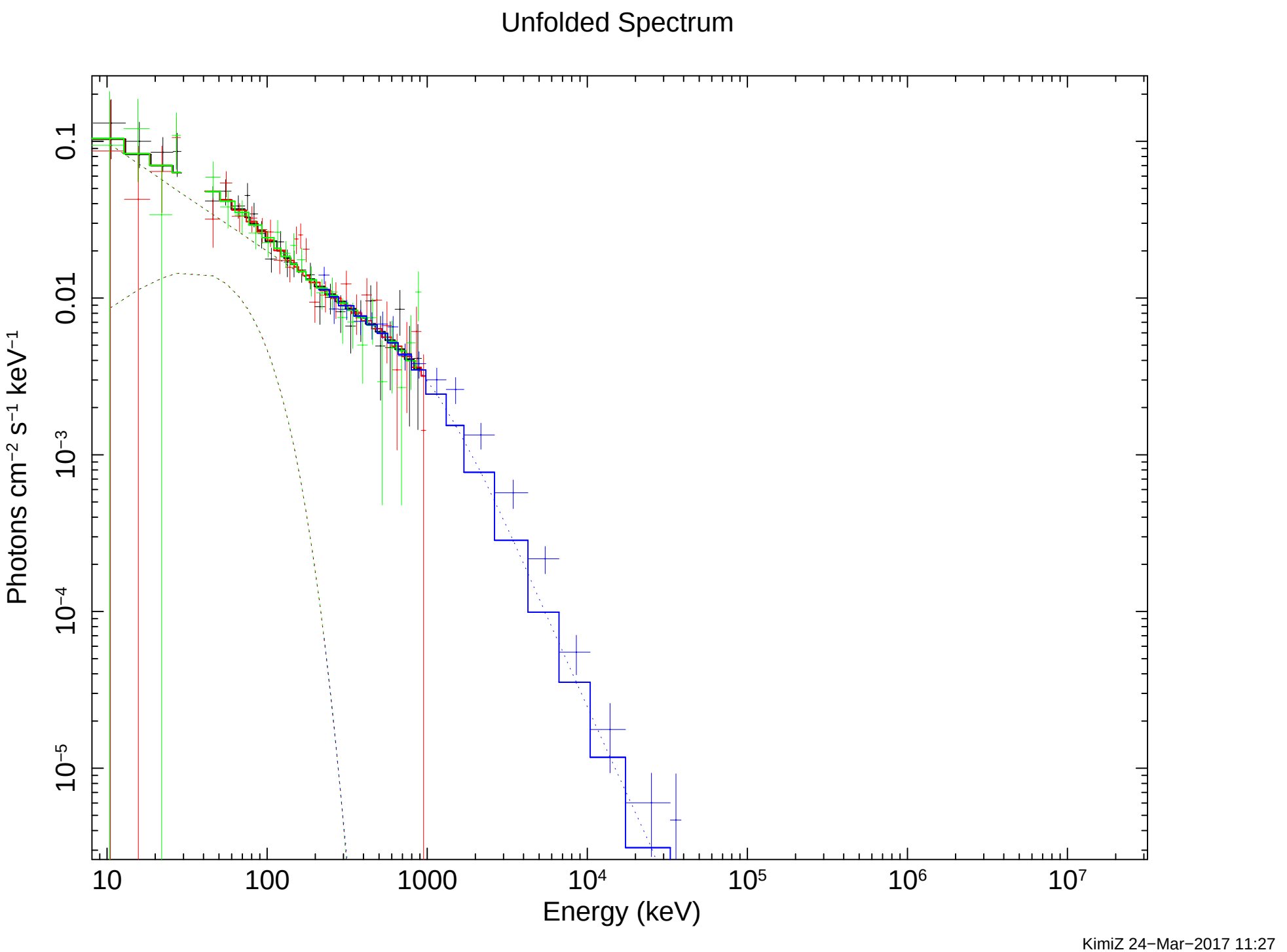
KimiZ 24−Mar−2017 11:27

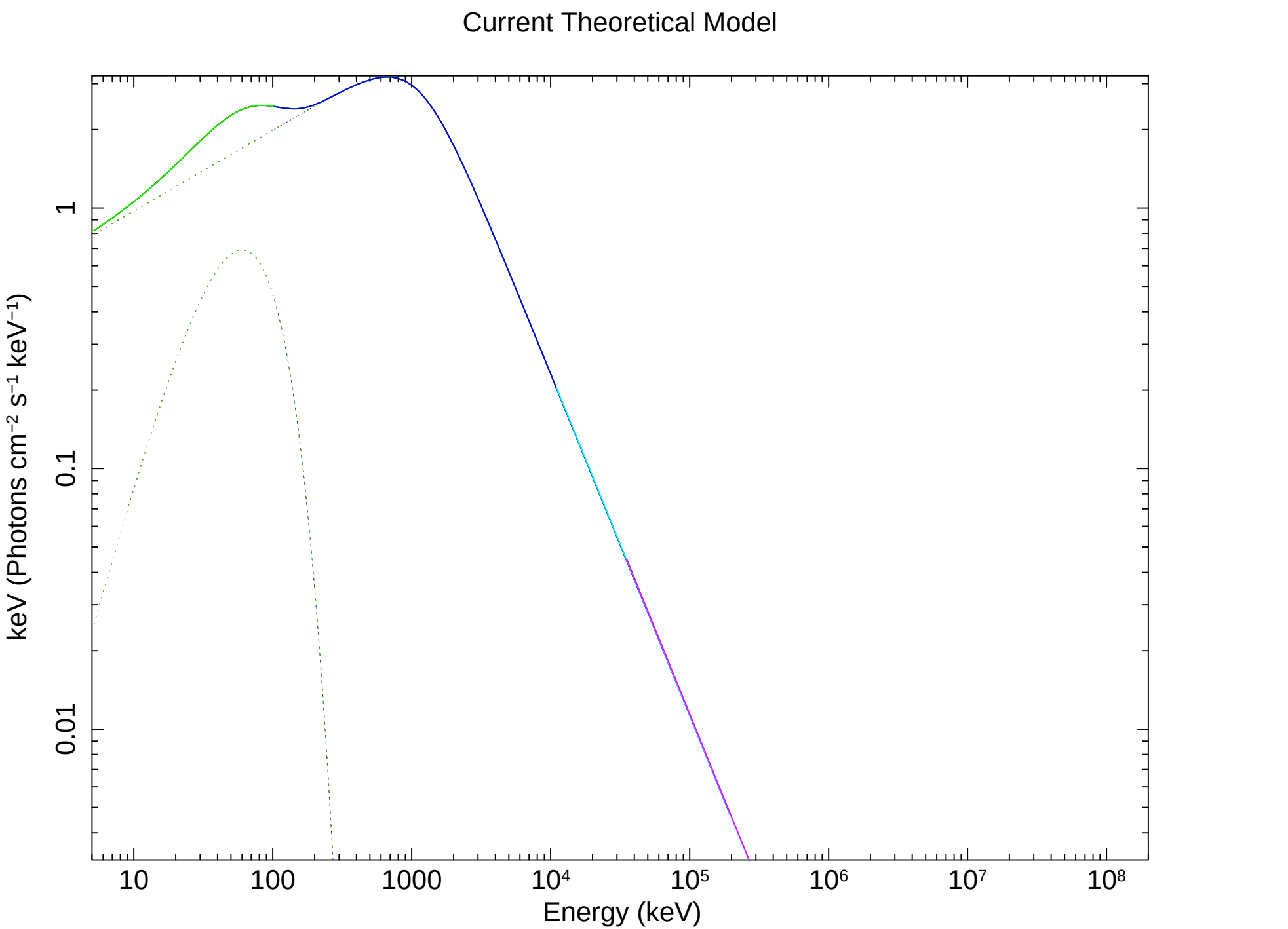

data and folded model
counts keV⁻¹
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
10⁻⁸
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:27

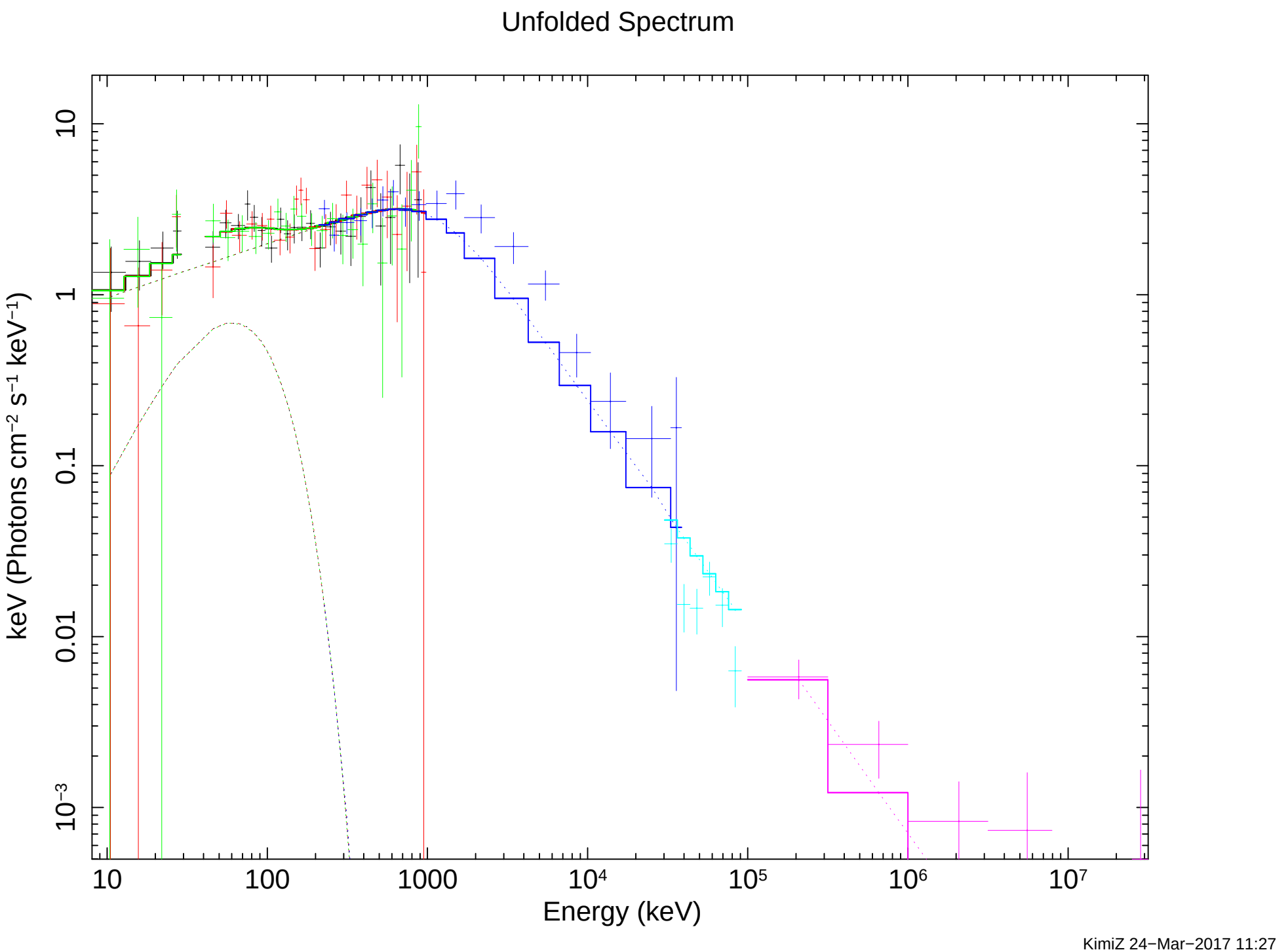

data and folded model
counts keV⁻¹
normalized counts s⁻¹ keV⁻¹
Energy (keV)
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
10⁻⁸
5
0
100
1000
10⁴
10⁵
10⁶
10⁷
KimiZ 24−Mar−2017 11:27

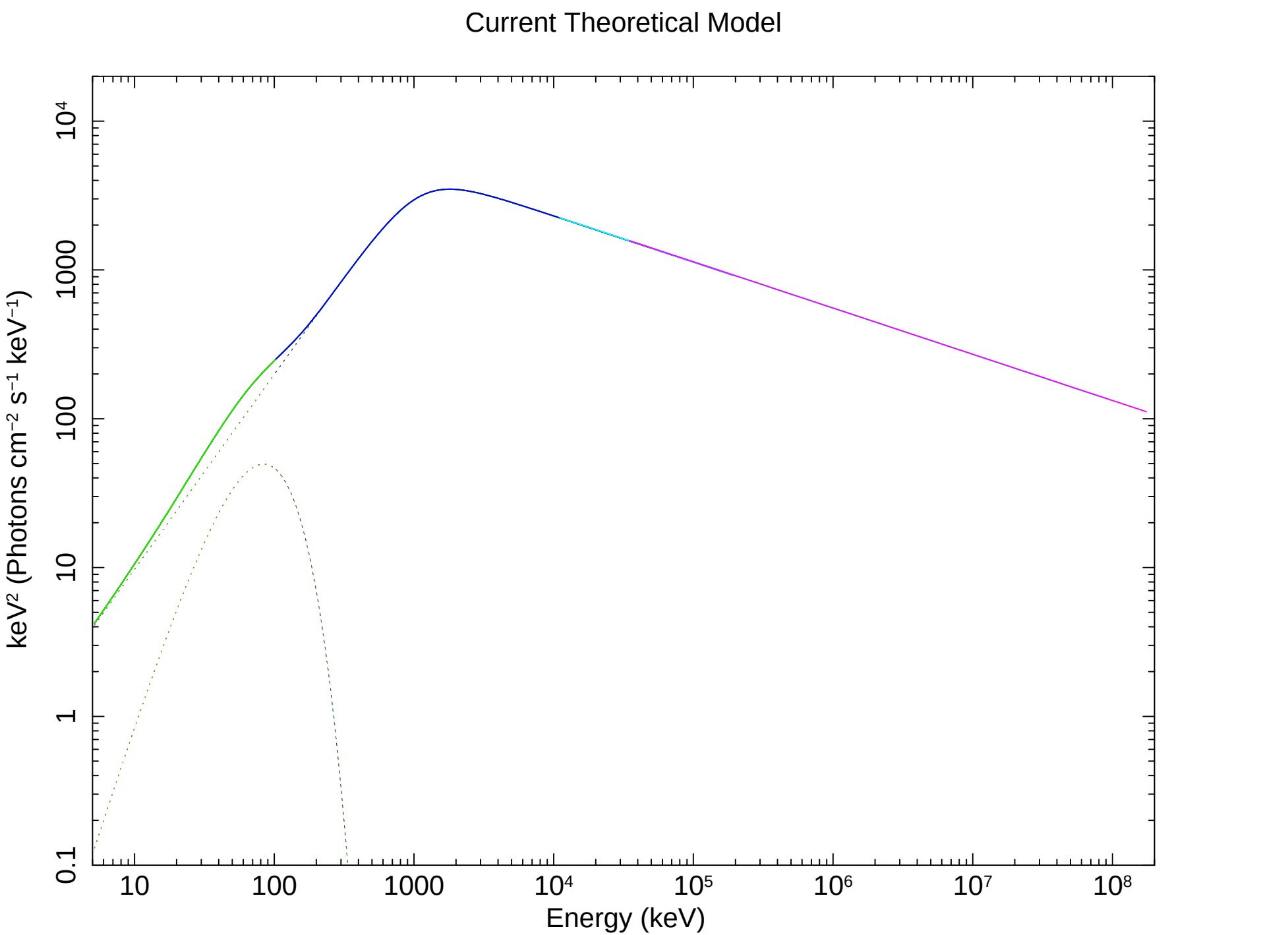

data and folded model
counts keV⁻¹
10
1
0.1
0.01
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
10⁻⁸
(data−model)/error
5
0
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:27

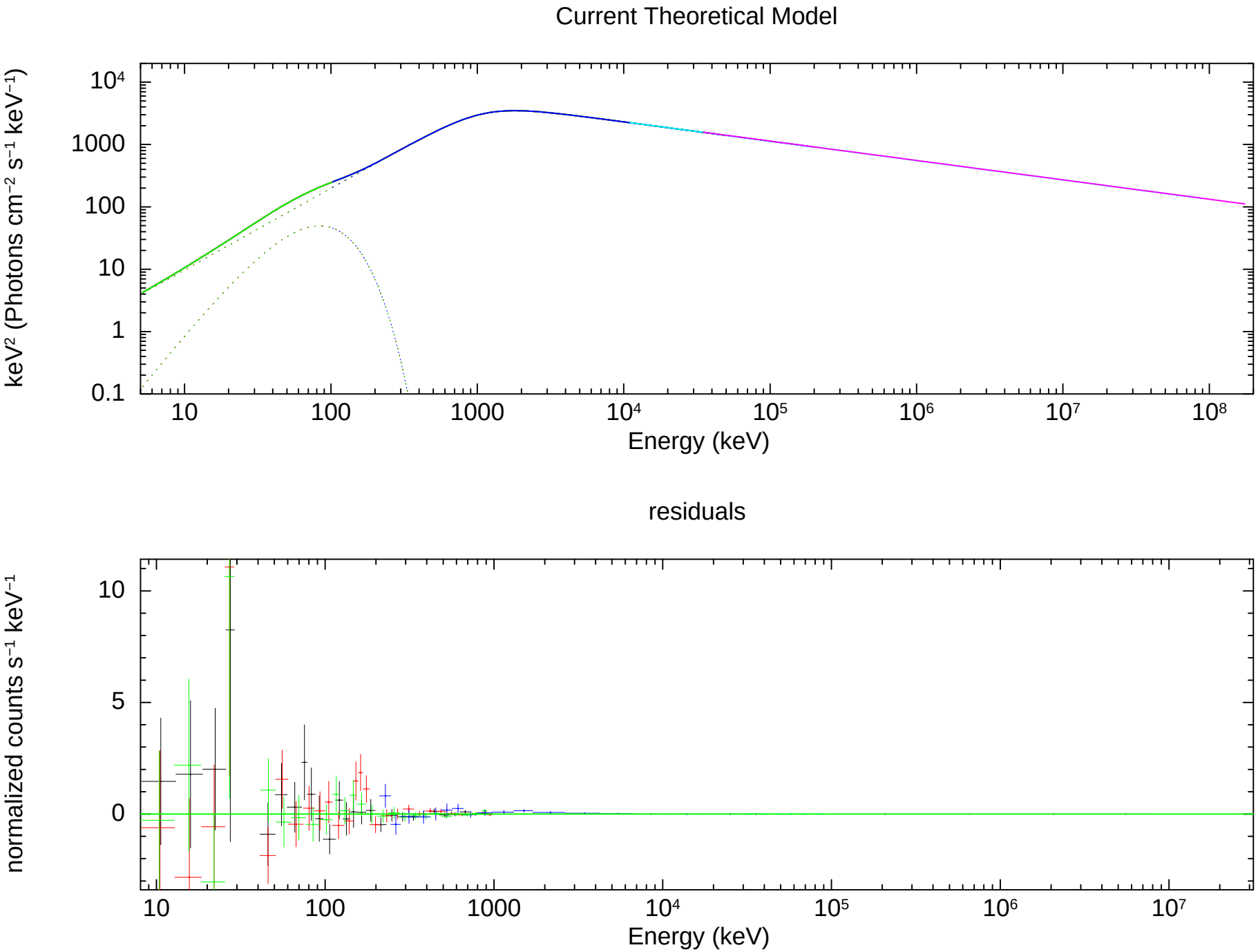

Current Theoretical Model
Photons cm^{-2} s^{-1} keV^{-1}
0.1
0.01
10^{-3}
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 24−Mar−2017 11:27


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 24−Mar−2017 11:27

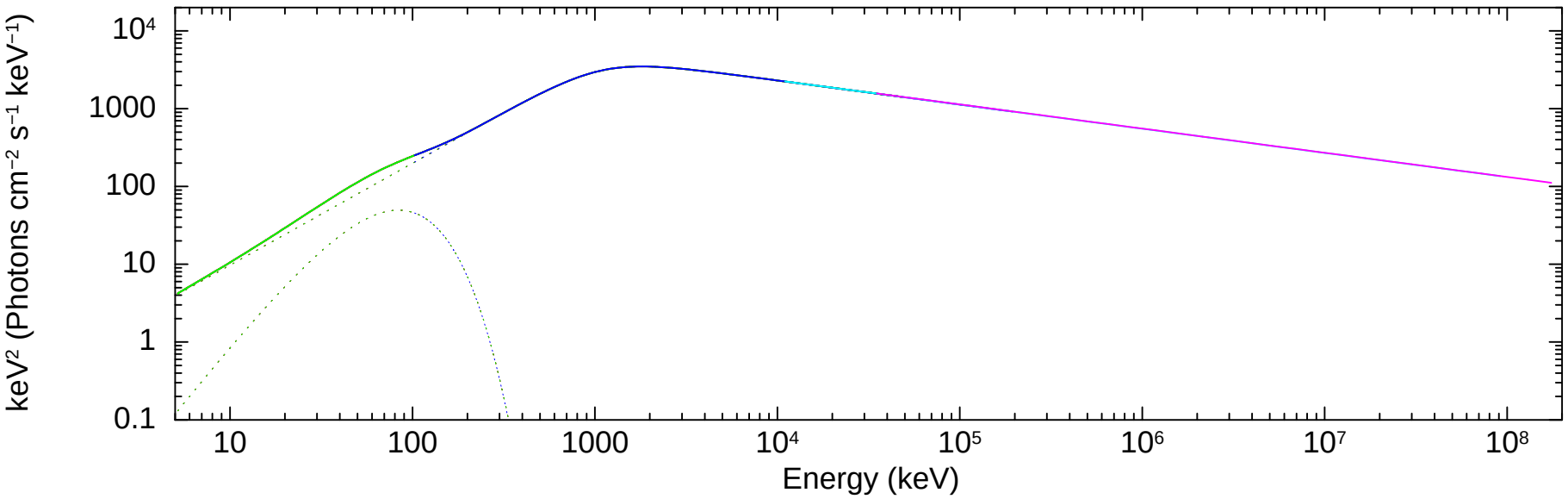

Current Theoretical Model
keV (Photons cm^{-2} s^{-1} keV^{-1})
1
0.1
0.01
10
100
1000
10^4
10^5
10^6
10^7
10^8
Energy (keV)
KimiZ 24−Mar−2017 11:27


Unfolded Spectrum
keV (Photons cm⁻² s⁻¹ keV⁻¹)
10
1
0.1
0.01
10⁻³
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:27

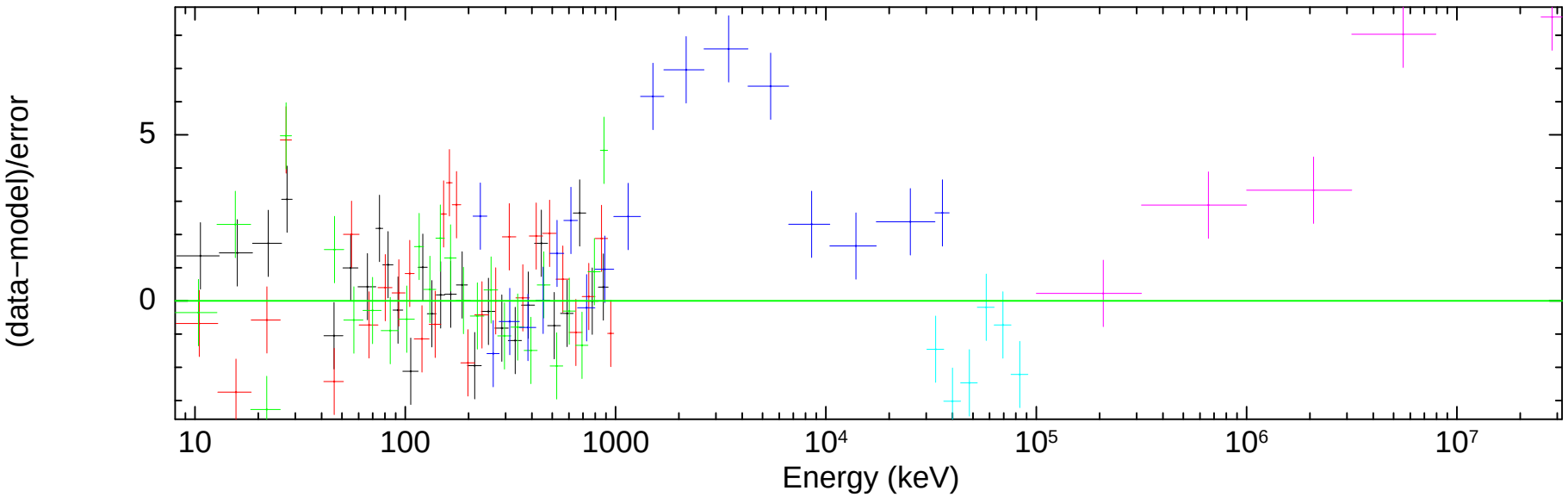

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
0.1
1
10
100
1000
10⁴
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
KimiZ 24−Mar−2017 11:28


Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
10⁴
1000
100
10
1
0.1
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
residuals
normalized counts s⁻¹ keV⁻¹
10
5
0
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:28

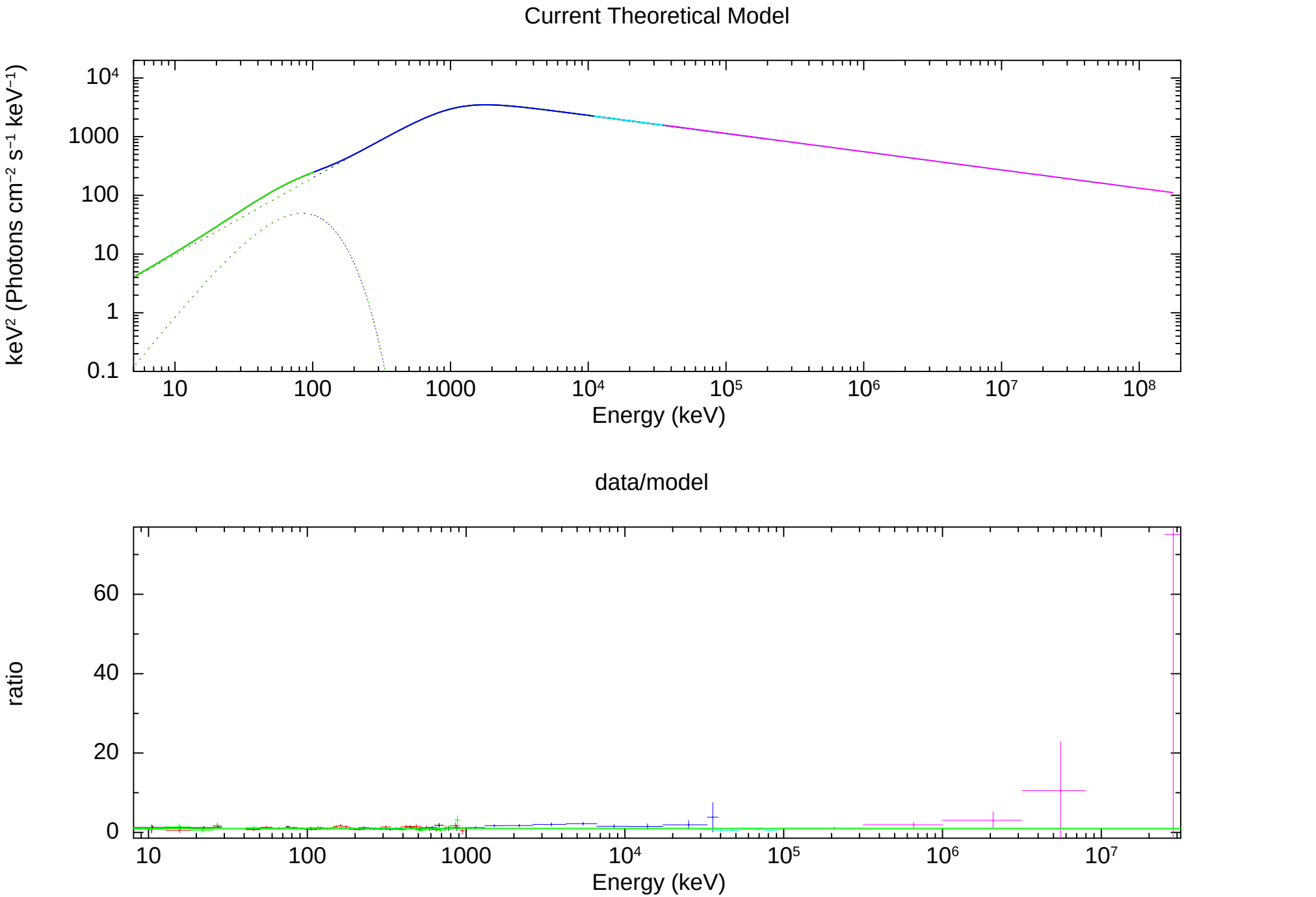
Current Theoretical Model

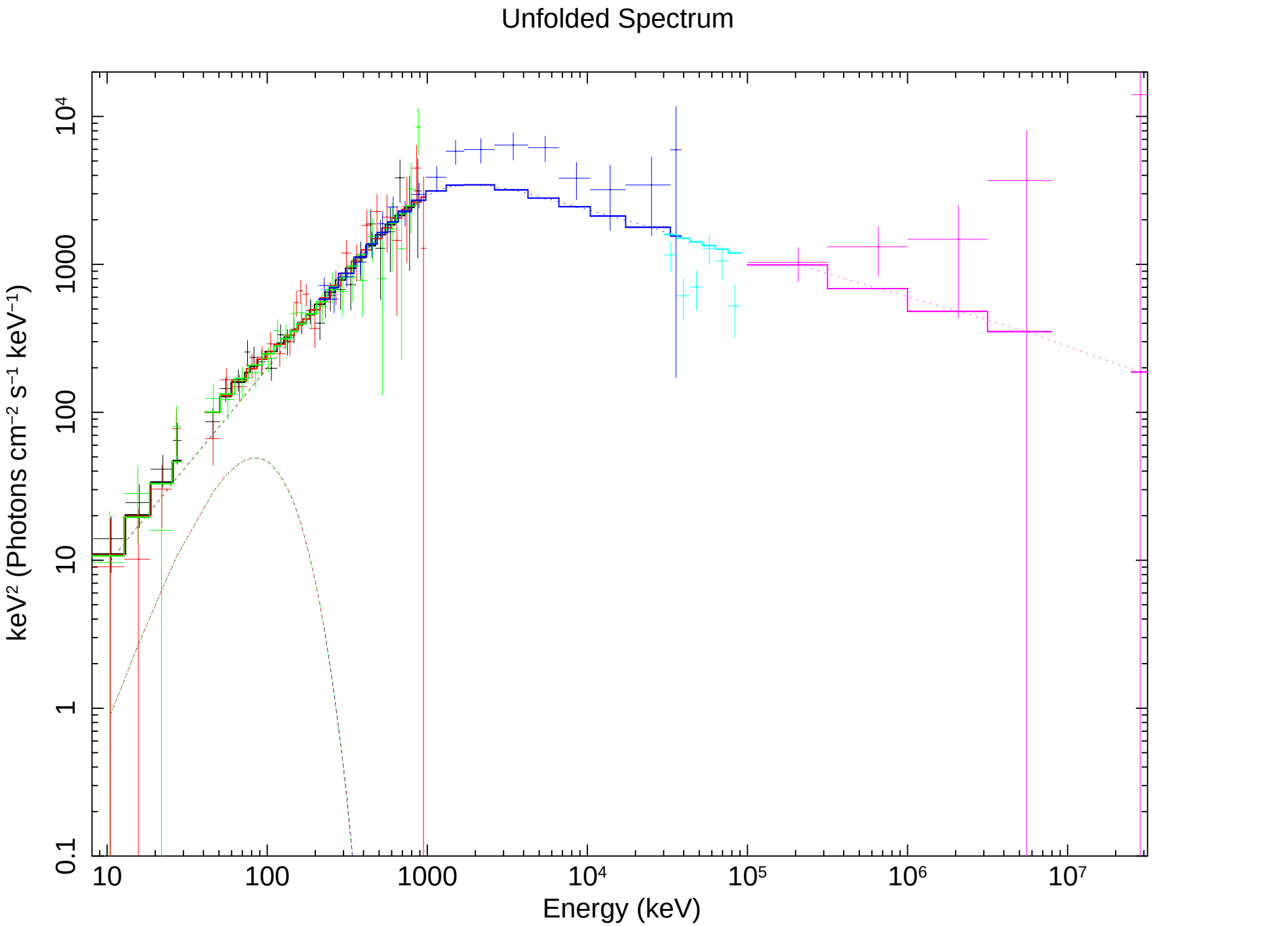


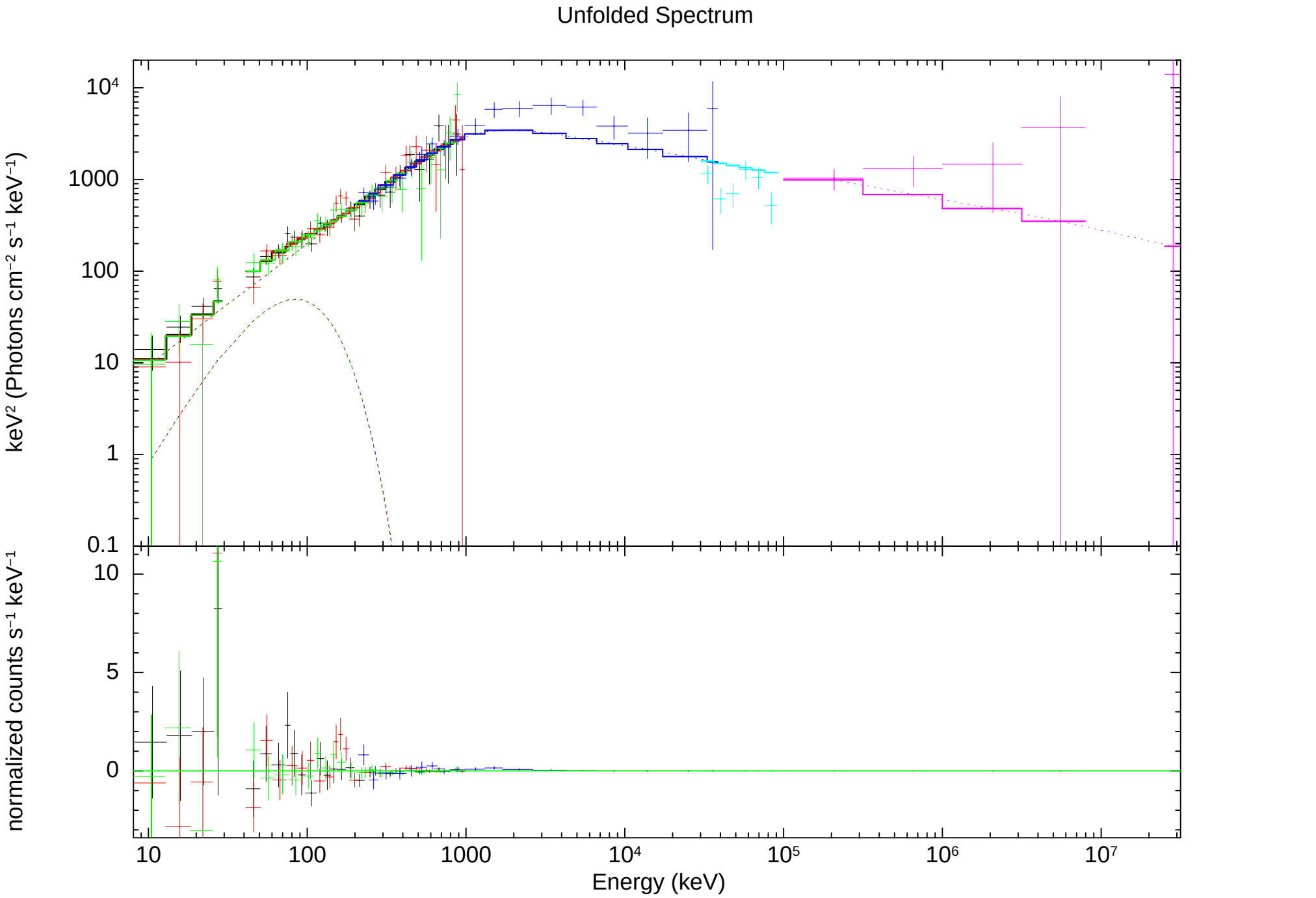
Square root of chi−squared for each channel



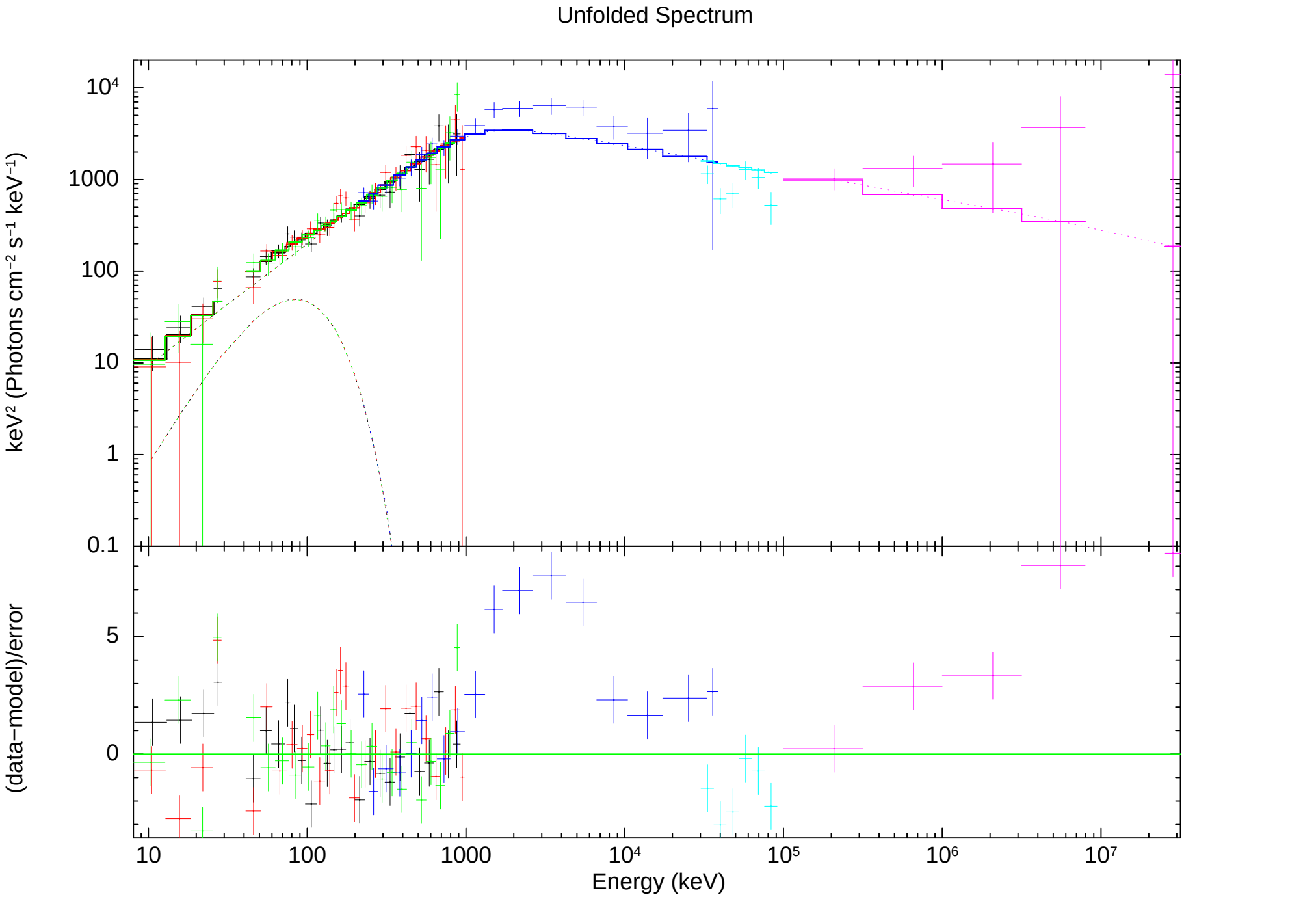
KimiZ 24−Mar−2017 11:28

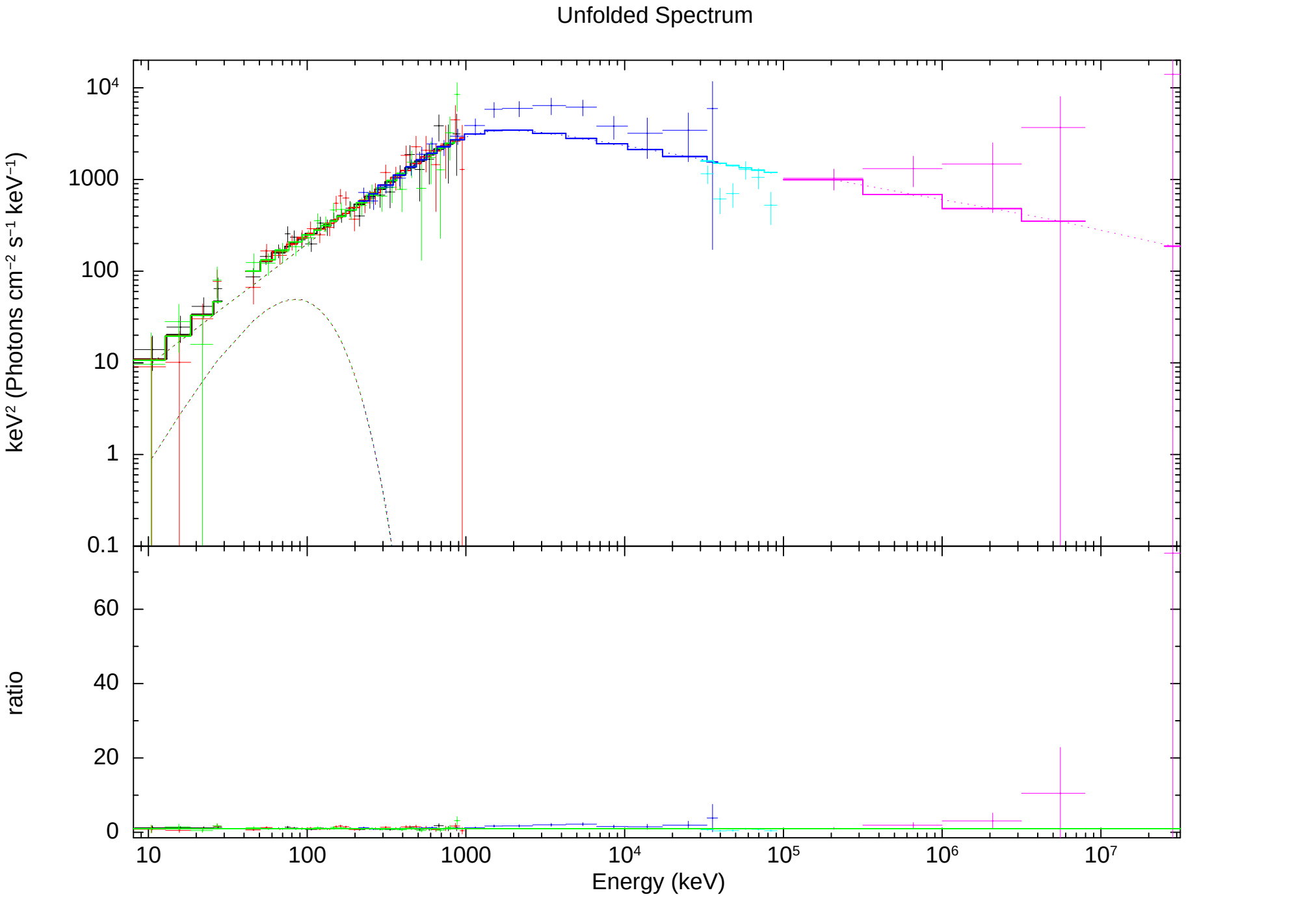

Current Theoretical Model
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
10⁴
1000
100
10
1
0.1
10
100
1000
10⁴
10⁵
10⁶
10⁷
10⁸
Energy (keV)
data/model
ratio
60
40
20
0
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:28


Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
0.1
1
10
100
1000
10⁴
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:28

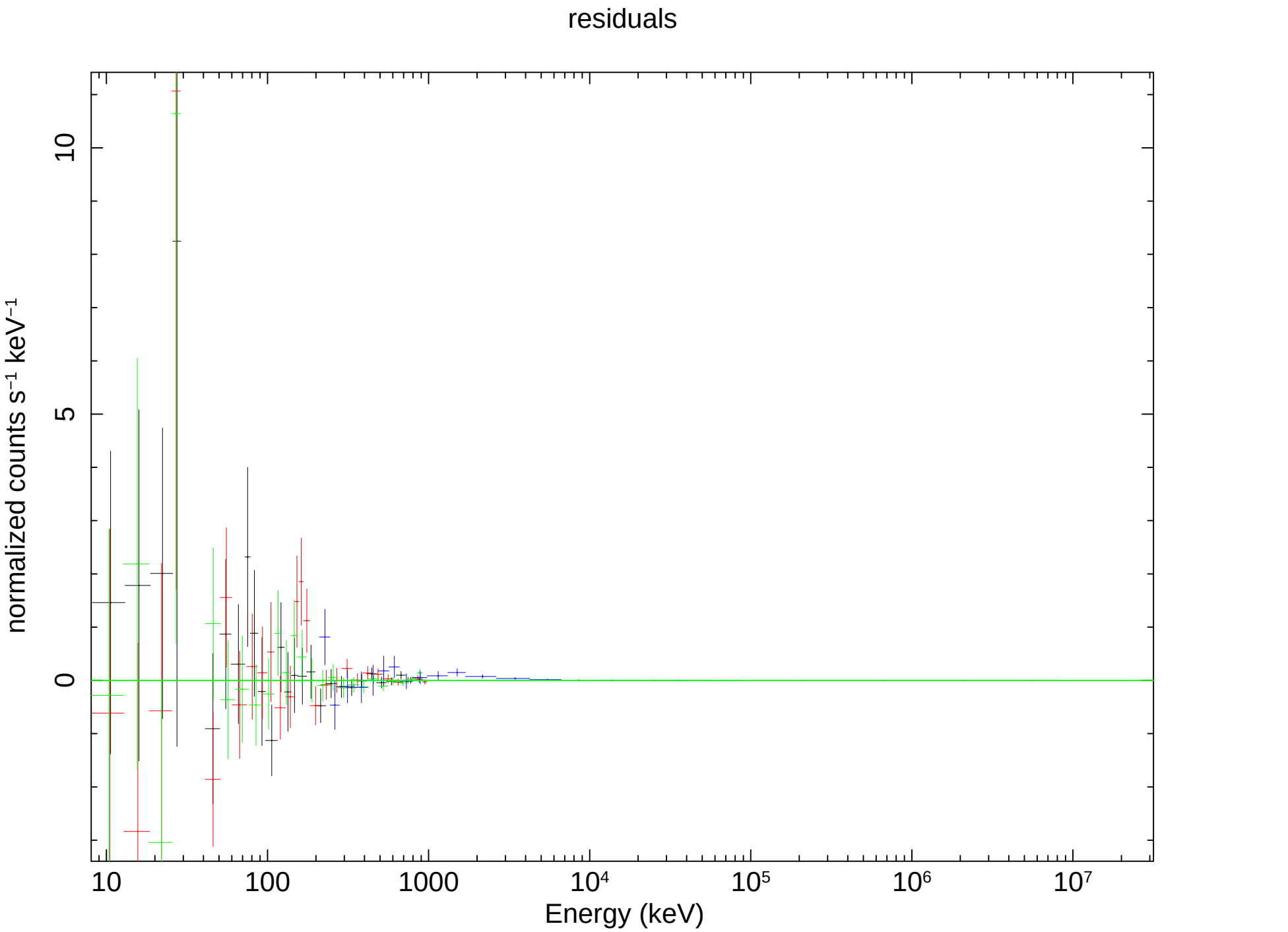


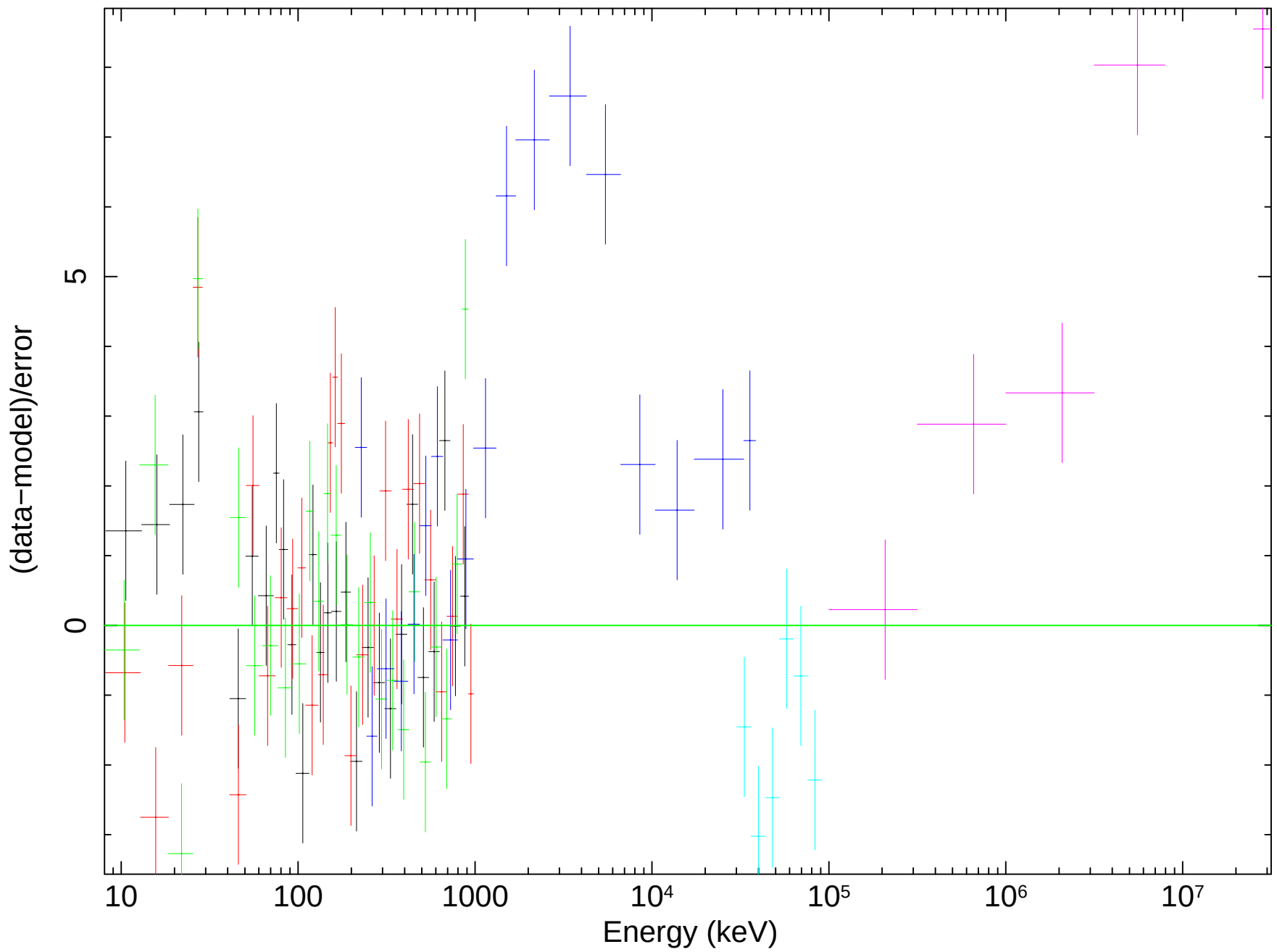
KimiZ 24−Mar−2017 11:28

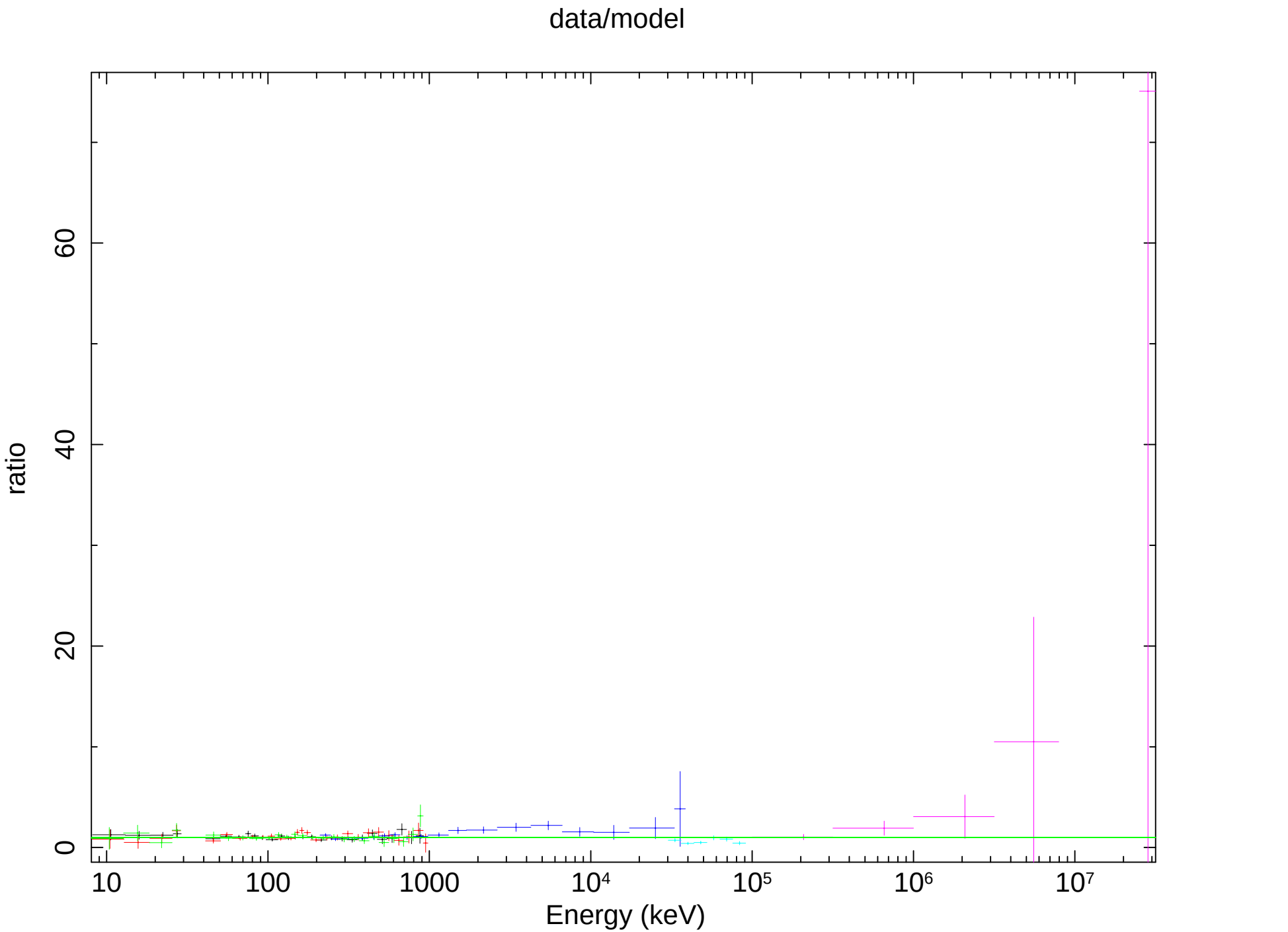

Unfolded Spectrum
keV² (Photons cm⁻² s⁻¹ keV⁻¹)
10⁴
1000
100
10
1
0.1
(data−model)/error
5
0
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:28



KimiZ 24−Mar−2017 11:28


residuals
normalized counts s^{-1} keV^{-1}
10
5
0
10
100
1000
10^4
10^5
10^6
10^7
Energy (keV)
KimiZ 24−Mar−2017 11:28


Square root of chi−squared for each channel
(data−model)/error
5
0
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:28


data/model
ratio
0
20
40
60
10
100
1000
10⁴
10⁵
10⁶
10⁷
Energy (keV)
KimiZ 24−Mar−2017 11:28