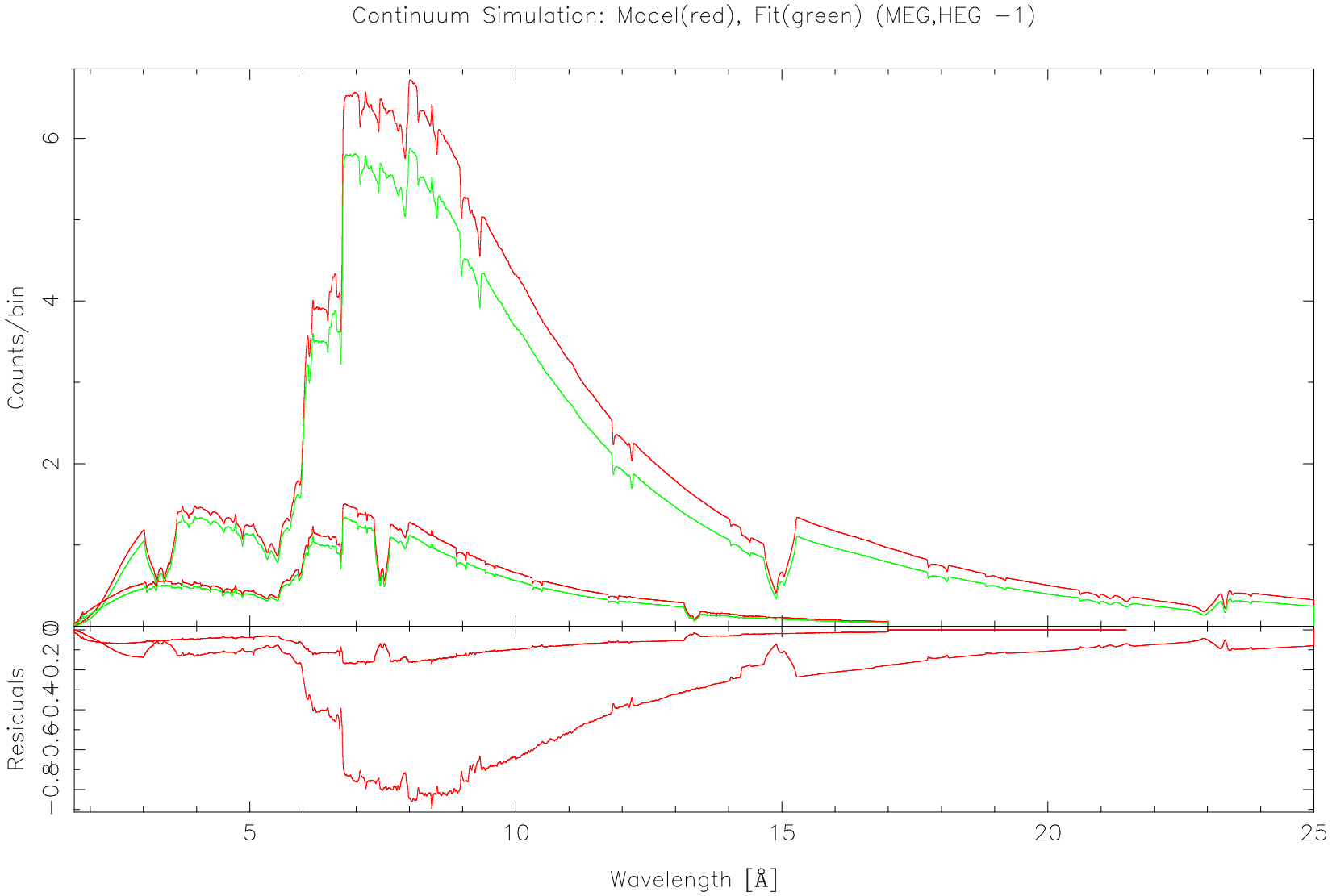
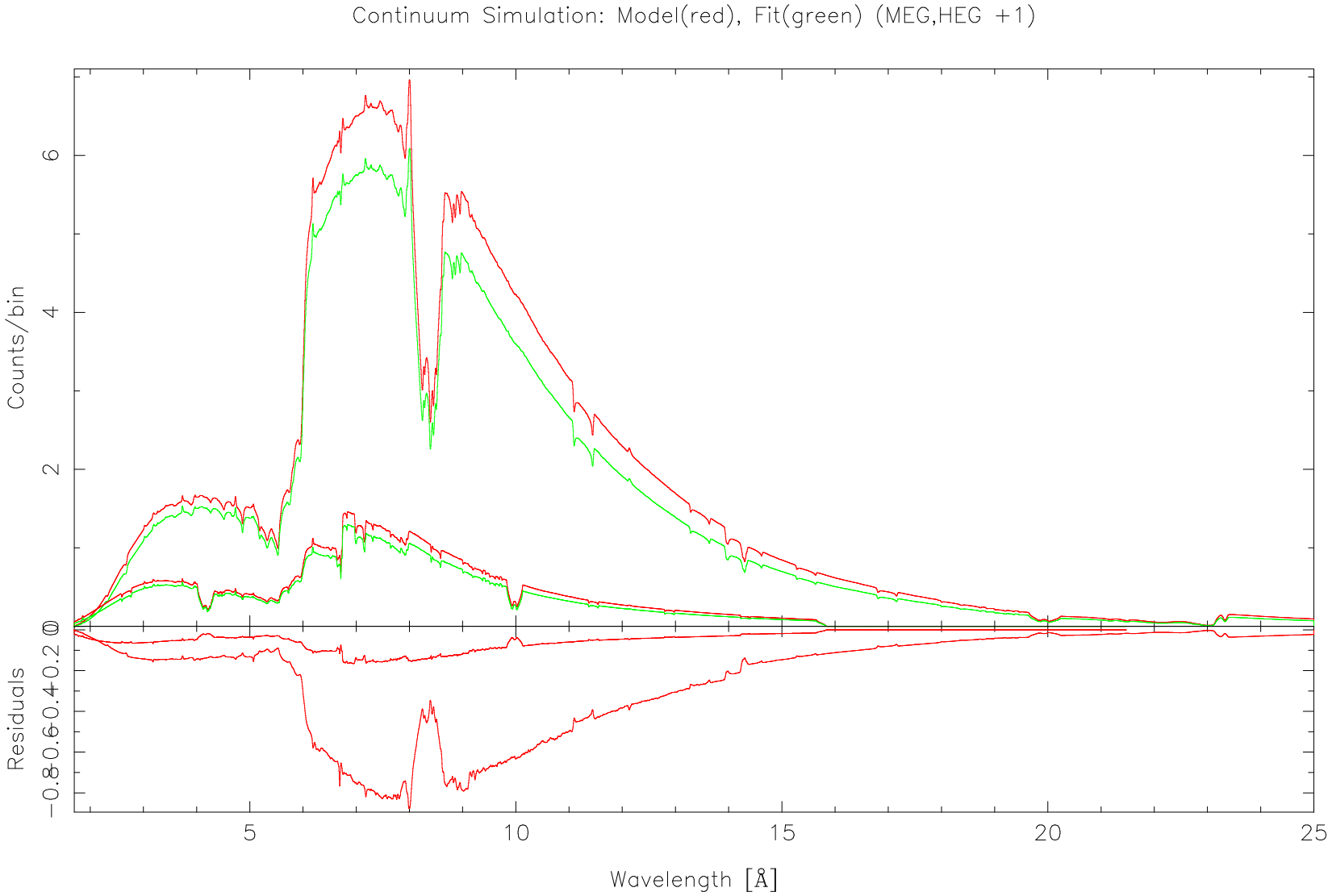
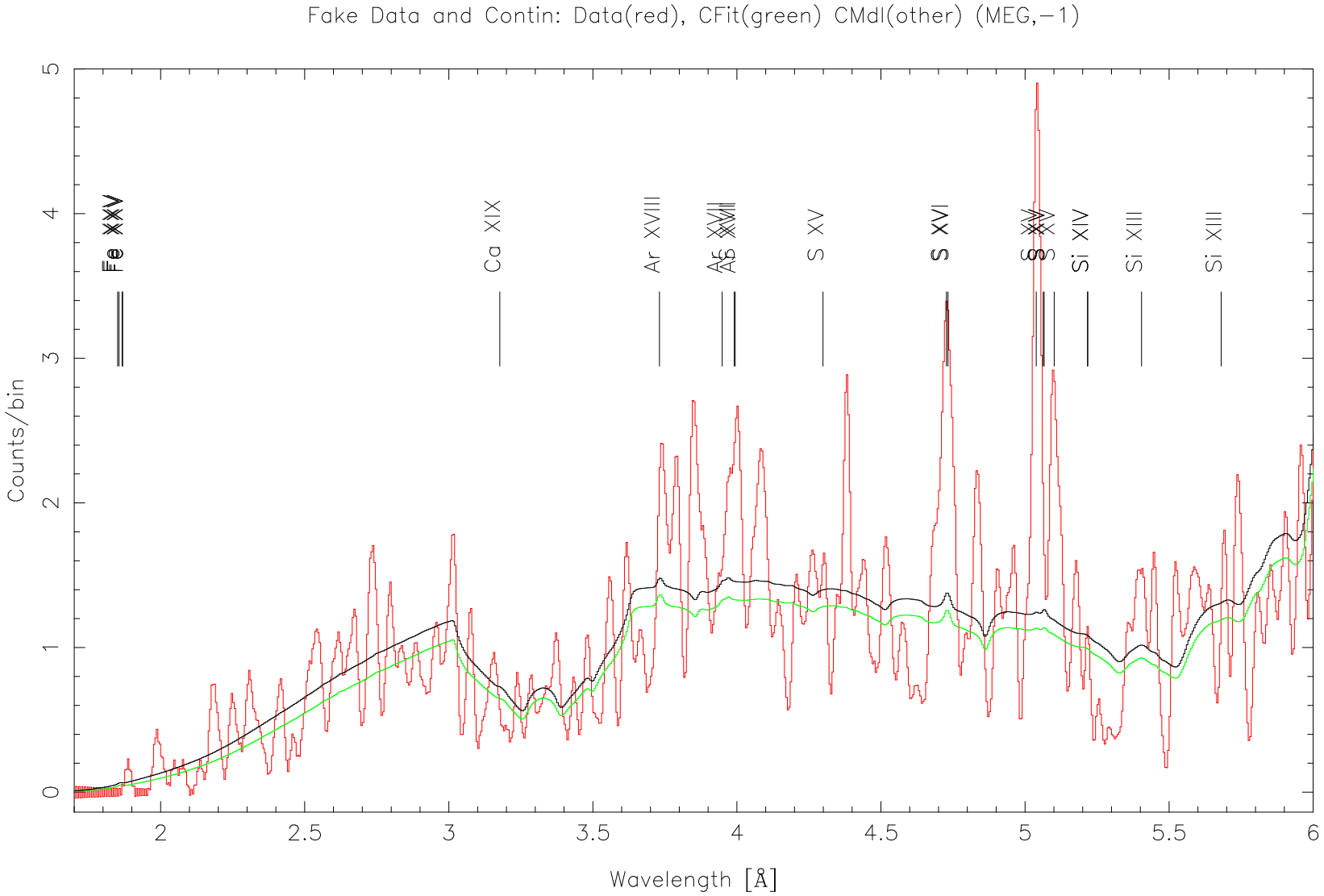
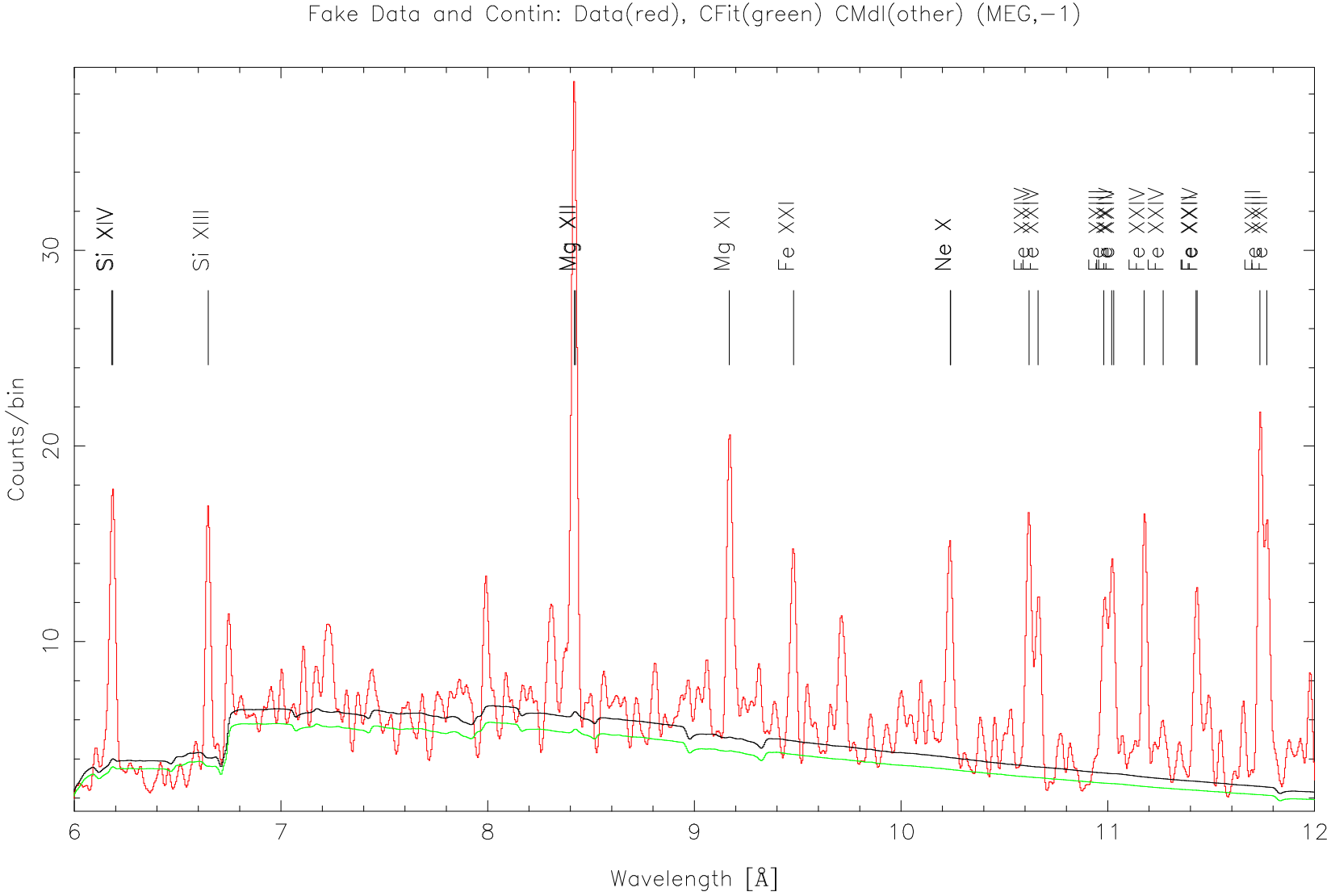
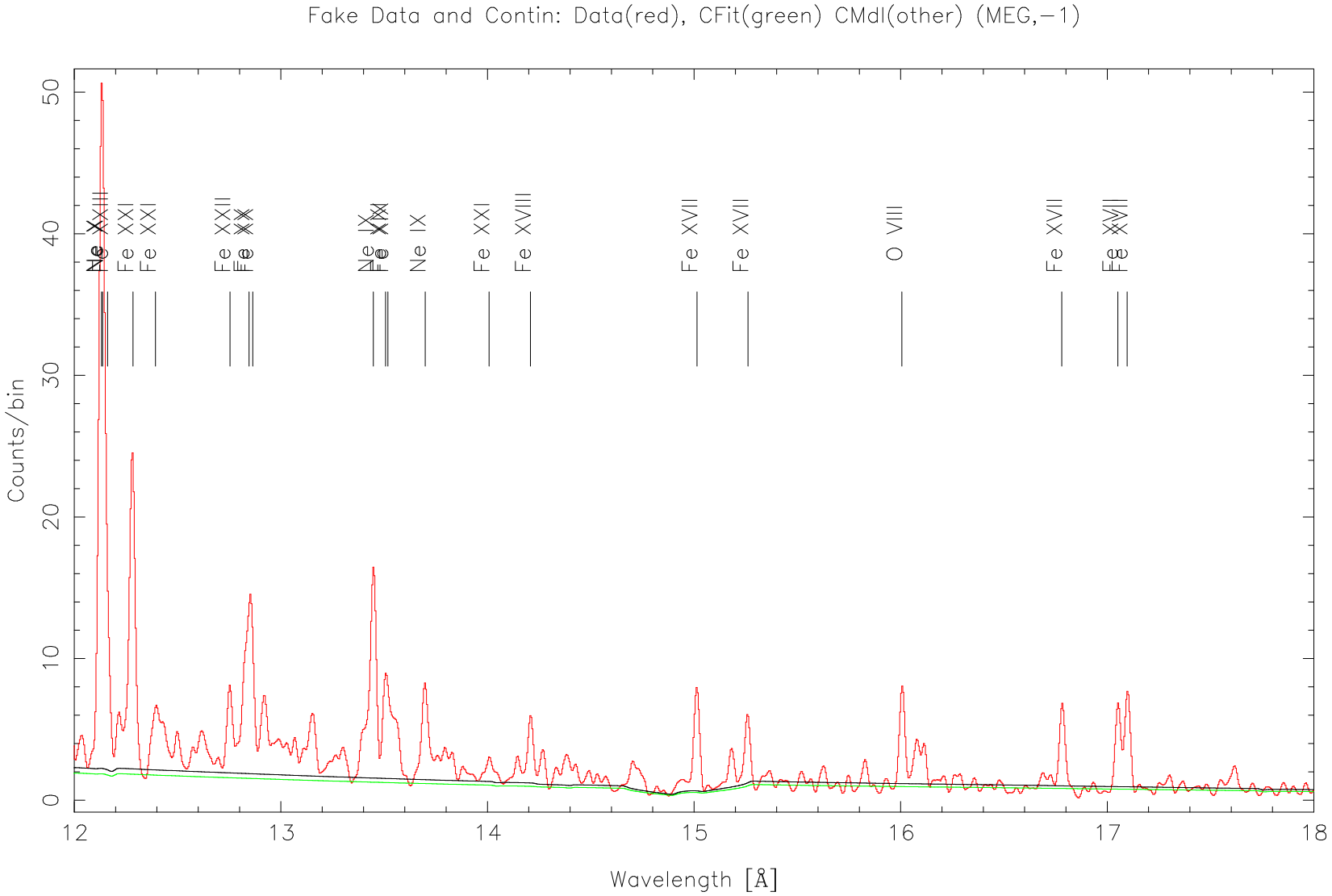
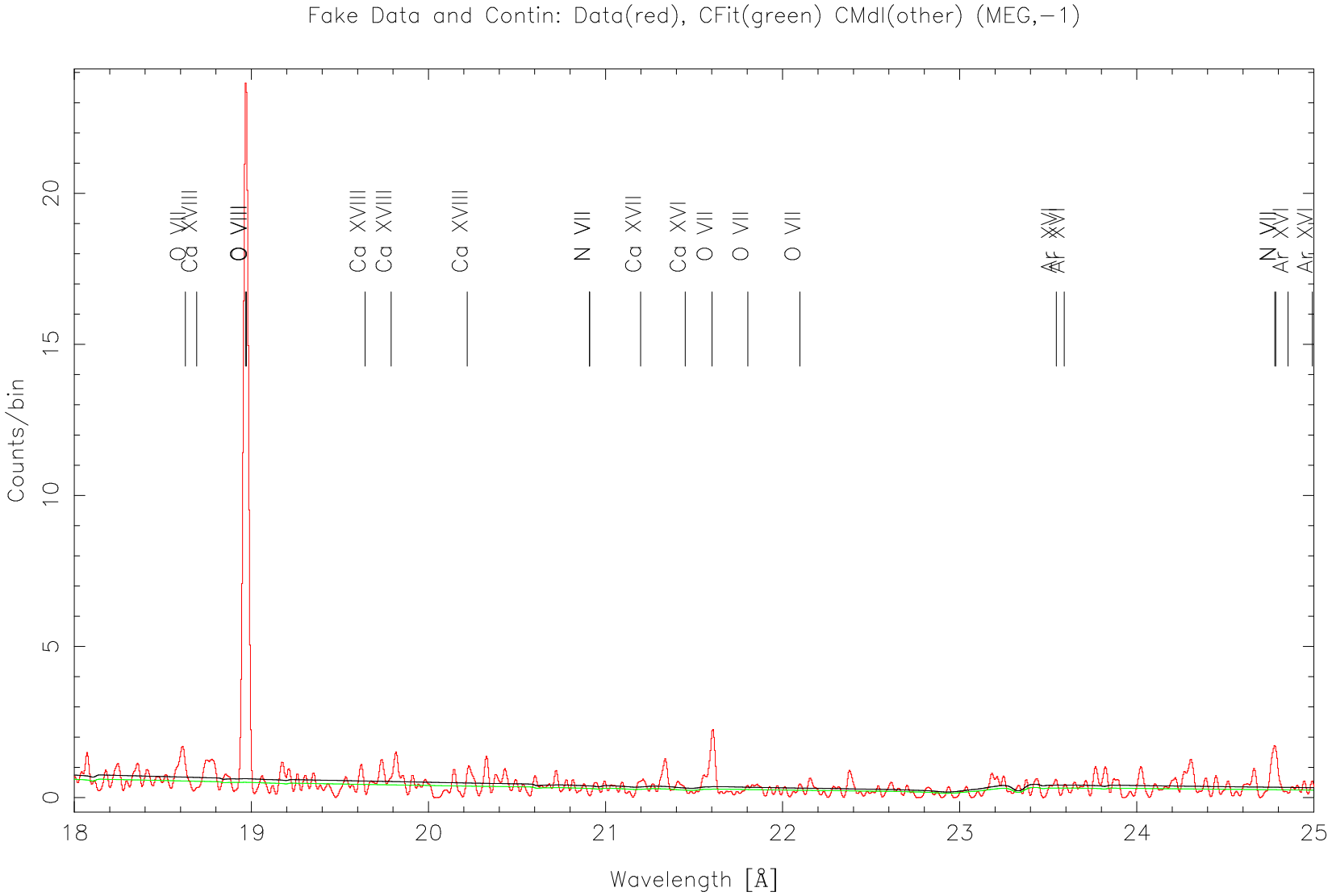

Continuum Simulation: Model(red), Fit(green) (MEG,HEG −1)
Counts/bin
Residuals
Wavelength [Å]


Continuum Simulation: Model(red), Fit(green) (MEG,HEG +1)
Counts/bin
Residuals
Wavelength [Å]
2
4
6
−0.8
−0.6
−0.4
−0.2
0
5
10
15
20
25

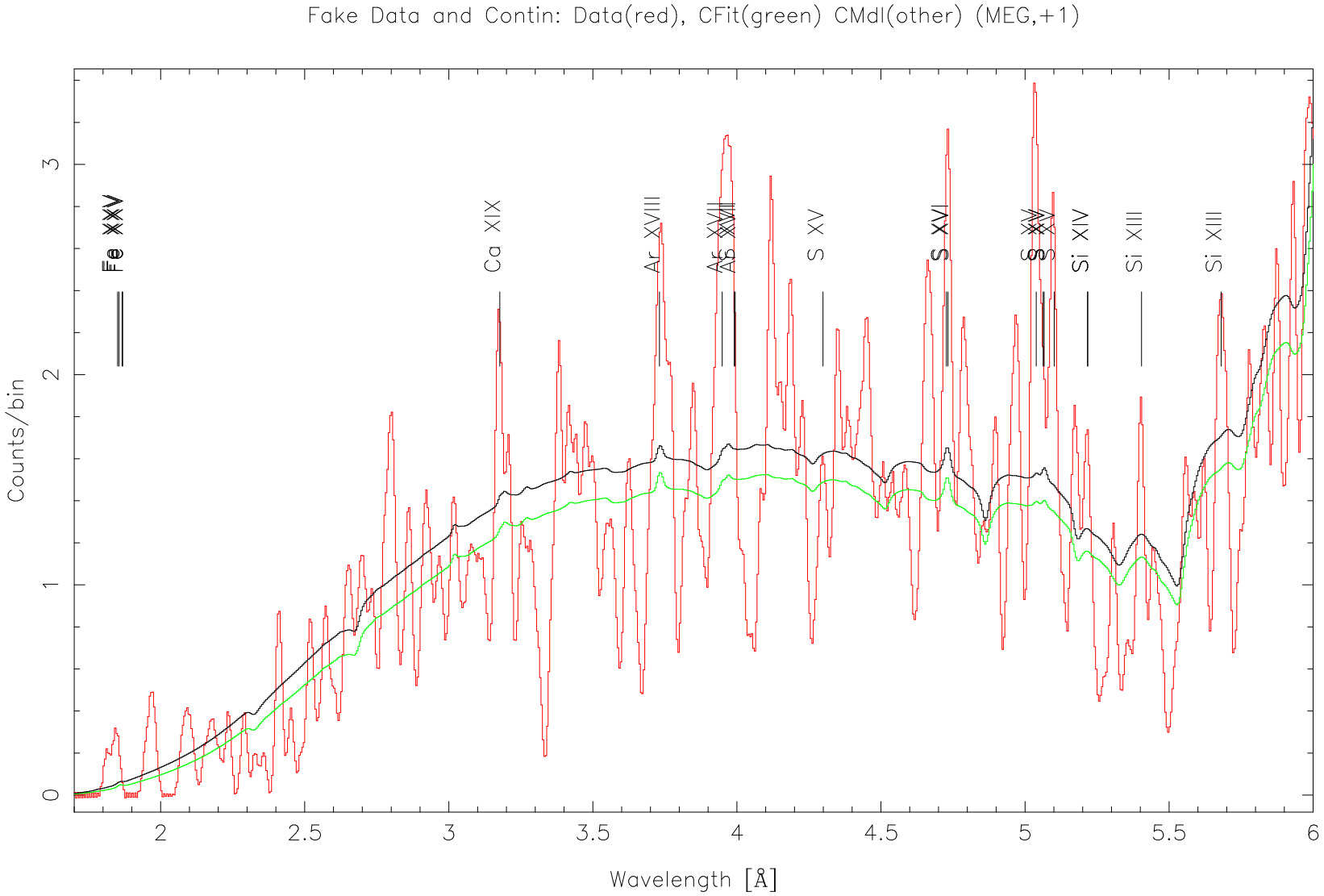

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,−1)
Counts/bin
Wavelength [Å]
Ca XIX
Ar XVIII
S XV
S XVI
Si XIV
Si XIII
Si XIII
0
1
2
3
4
5
2
2.5
3
3.5
4
4.5
5
5.5
6

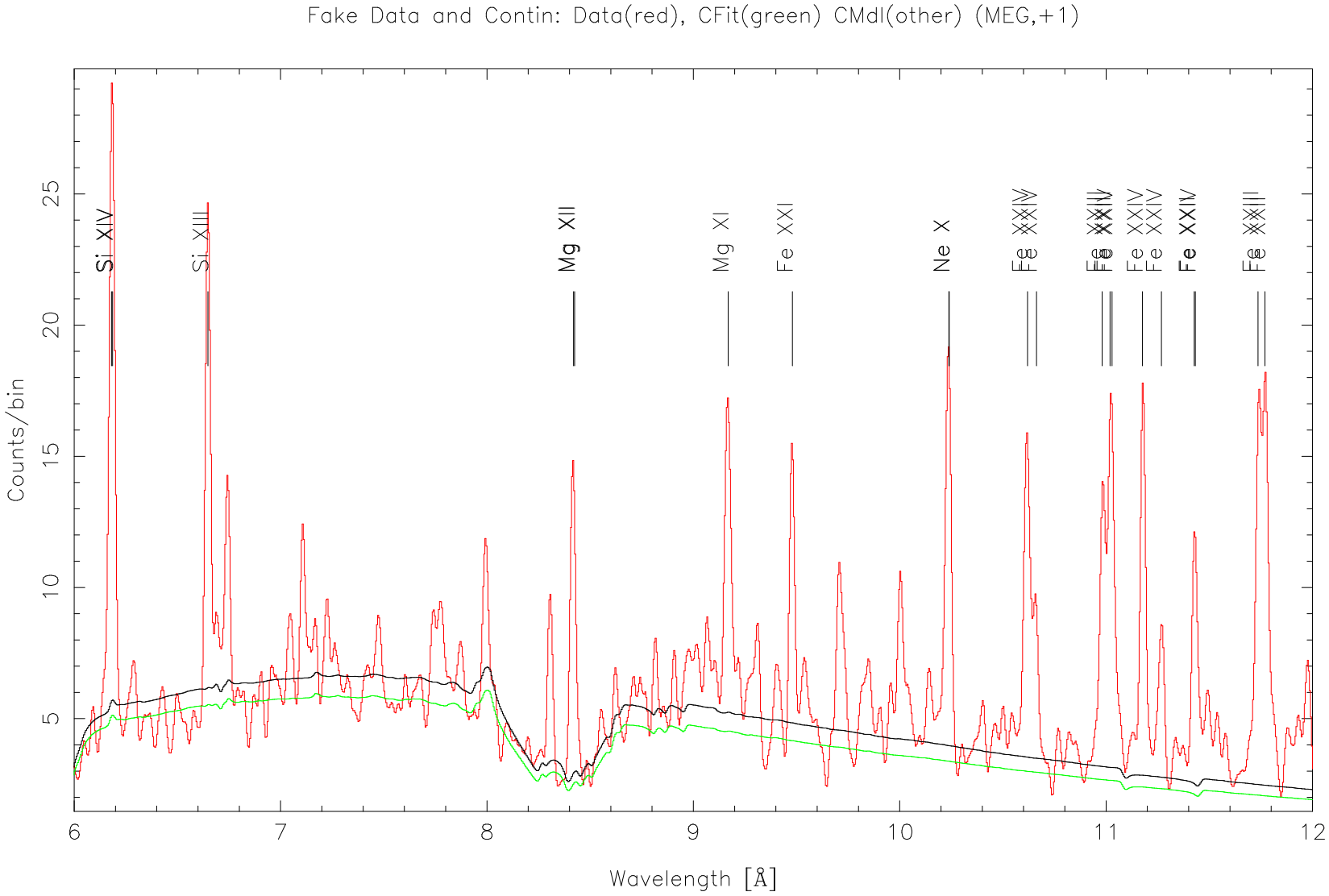

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,−1)
Counts/bin
10
20
30
Si XIV
Si XIII
Mg XII
Mg XI
Fe XXI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
6
7
8
9
10
11
12
Wavelength [Å]

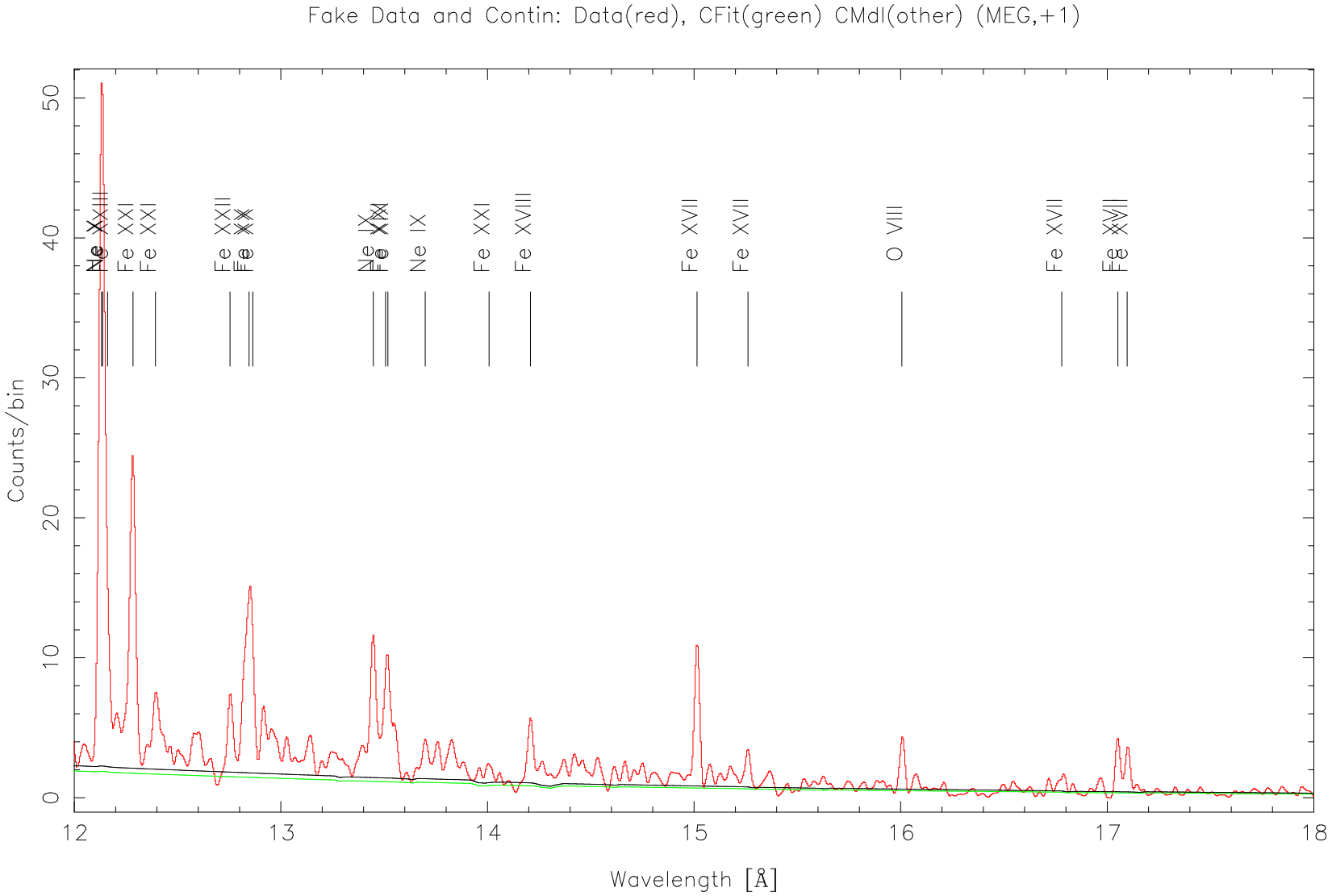

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,−1)
Counts/bin
Wavelength [Å]
0
10
20
30
40
50
12
13
14
15
16
17
18
Ne X
Fe XXI
Fe XXI
Fe XXII
Fe XX
Ne IX
Fe XX
Ne IX
Fe XX
Ne IX
Ne IX
Fe XXI
Fe XVIII
Fe XVII
Fe XVII
O VIII
Fe XVII
Fe XVII

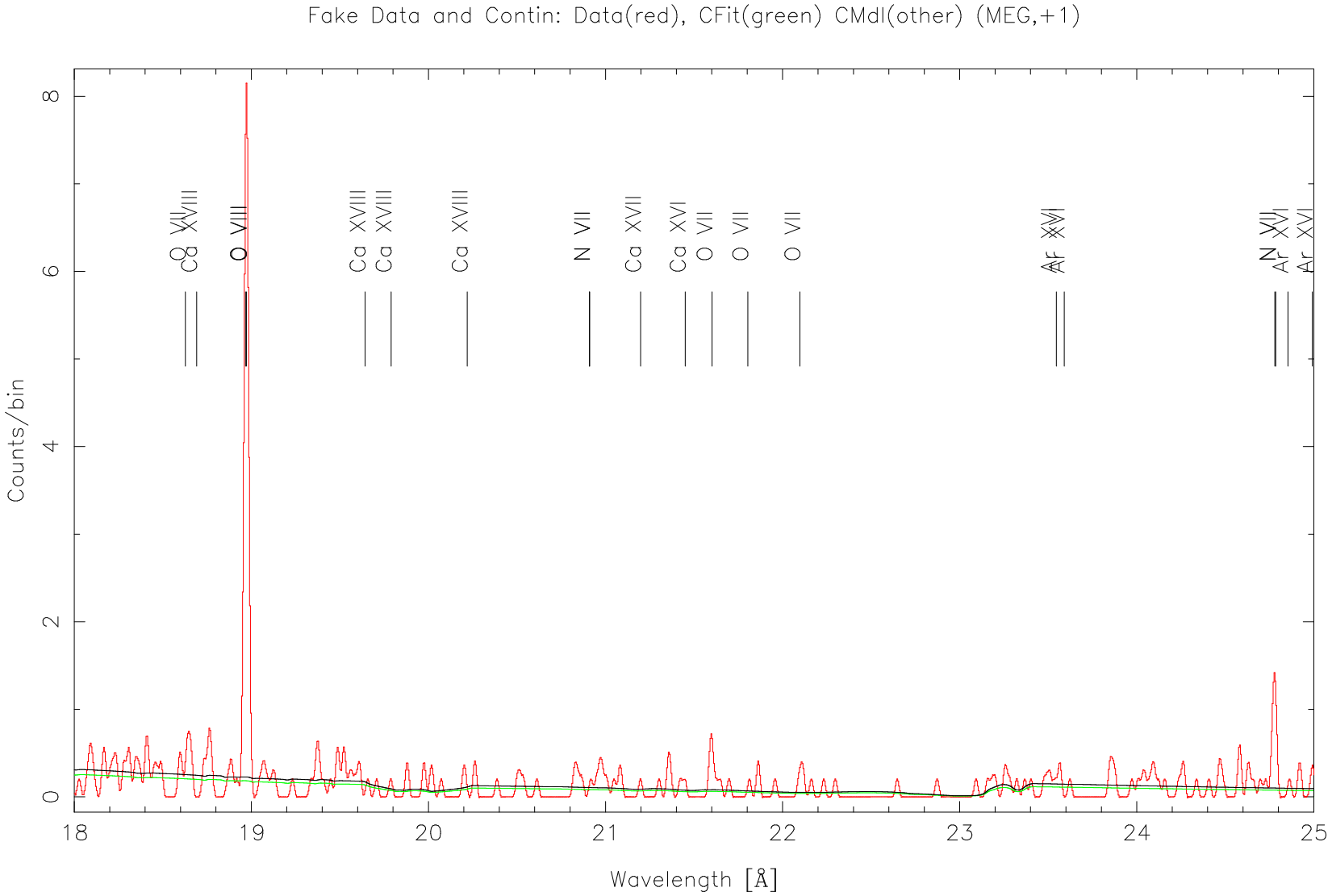

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,−1)
Counts/bin
0
5
10
15
20
Wavelength [Å]
18
19
20
21
22
23
24
25
C VI
O VIII
Ca XVIII
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VII
O VII
O VII
Ar XVI
N VII
Ar XVI
Ar XVI

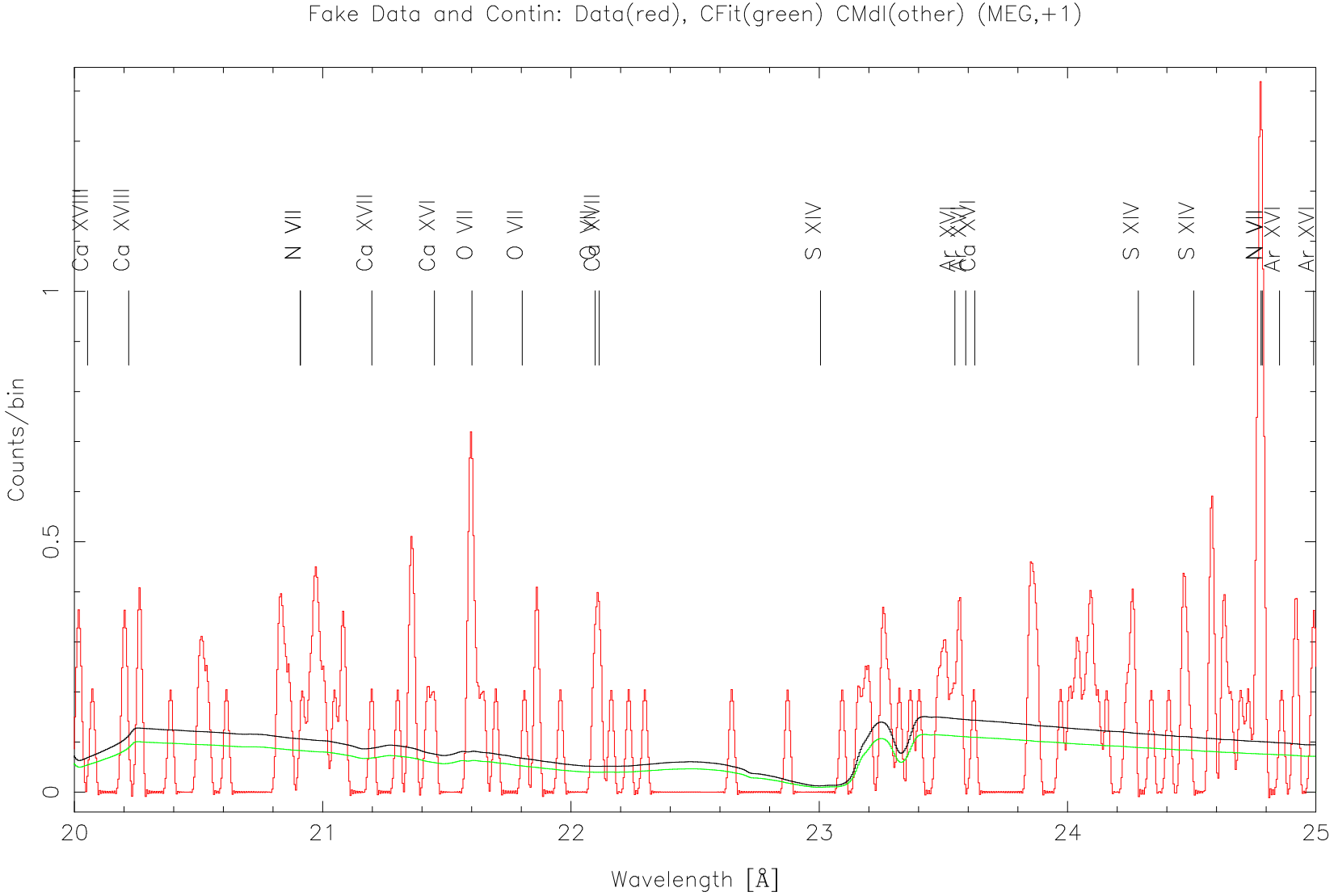
Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,−1)
Counts/bin
0
0.5
1
1.5
2
20
21
22
23
24
25
Wavelength [Å]
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VIII
O VII
S XIV
S XIV
S XIV
N VII
Ar XVI
Ar XVI

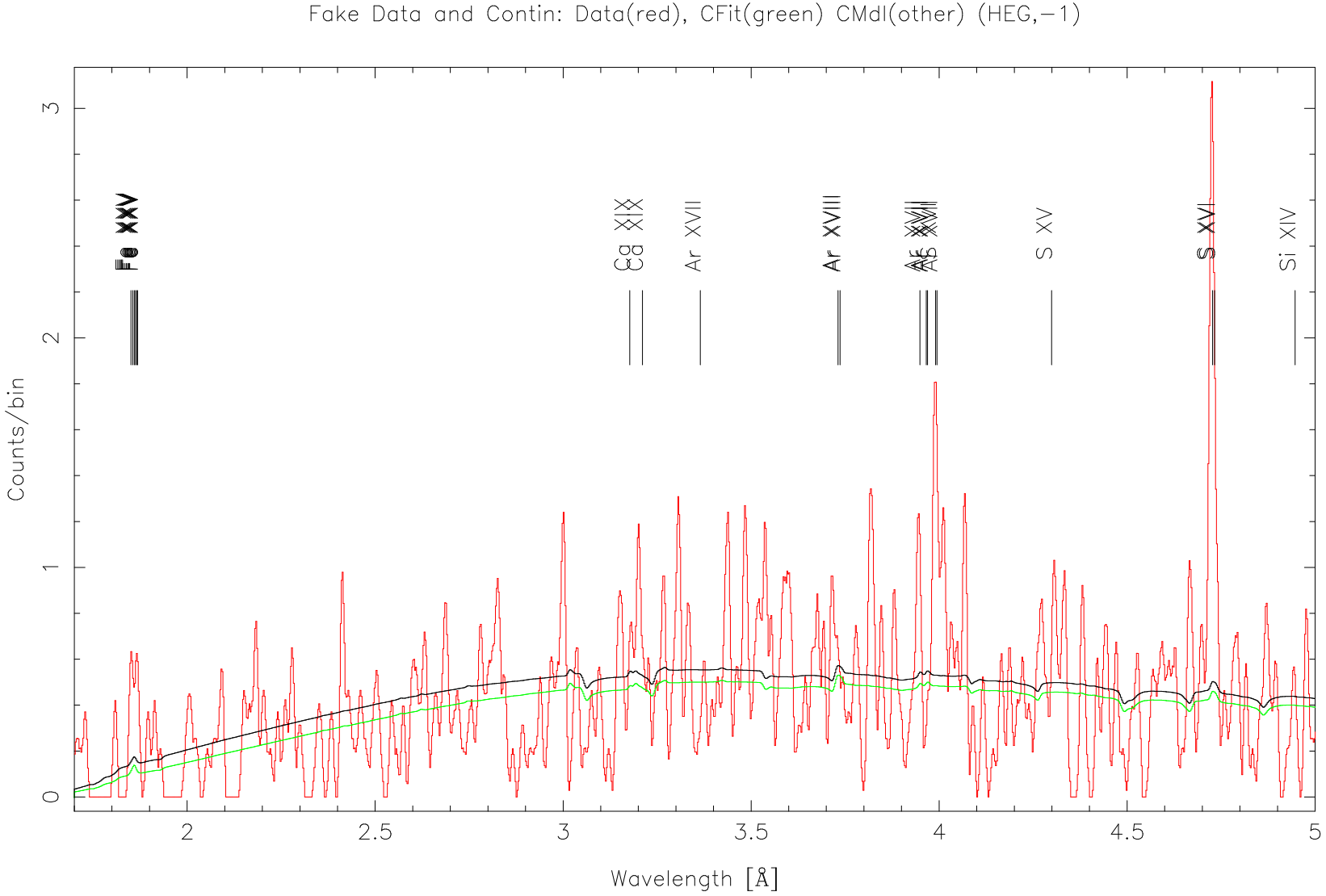

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,+1)
Counts/bin
Wavelength [Å]
Fe XXV
Ca XIX
Ar XVIII
Ar XVII
S XV
S XVI
Si XIV
Si XIII
Si XIII
0
1
2
3
2
2.5
3
3.5
4
4.5
5
5.5
6

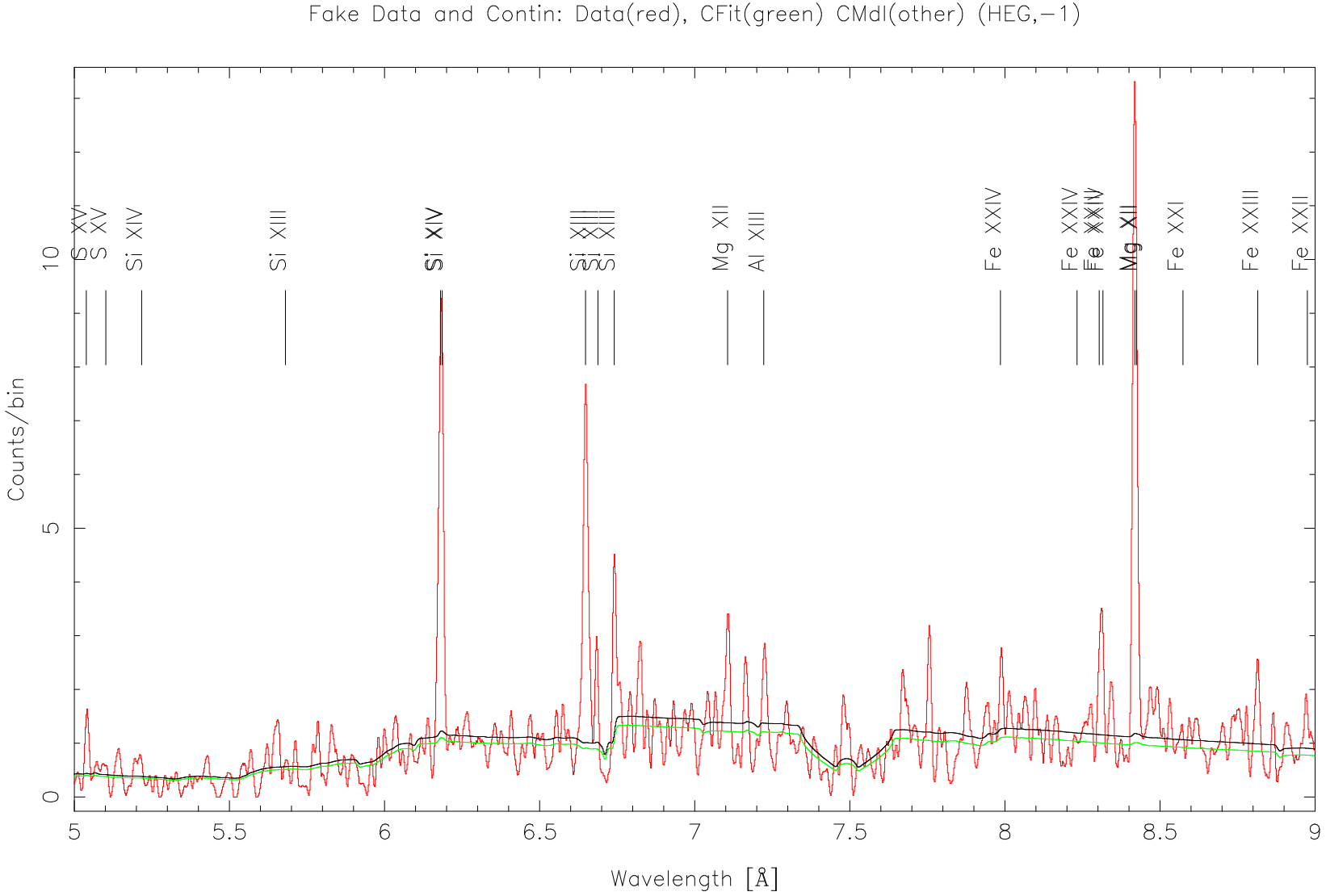

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,+1)
Counts/bin
Wavelength [Å]
Si XIV
Si XIII
Mg XII
Mg XI
Fe XXI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII

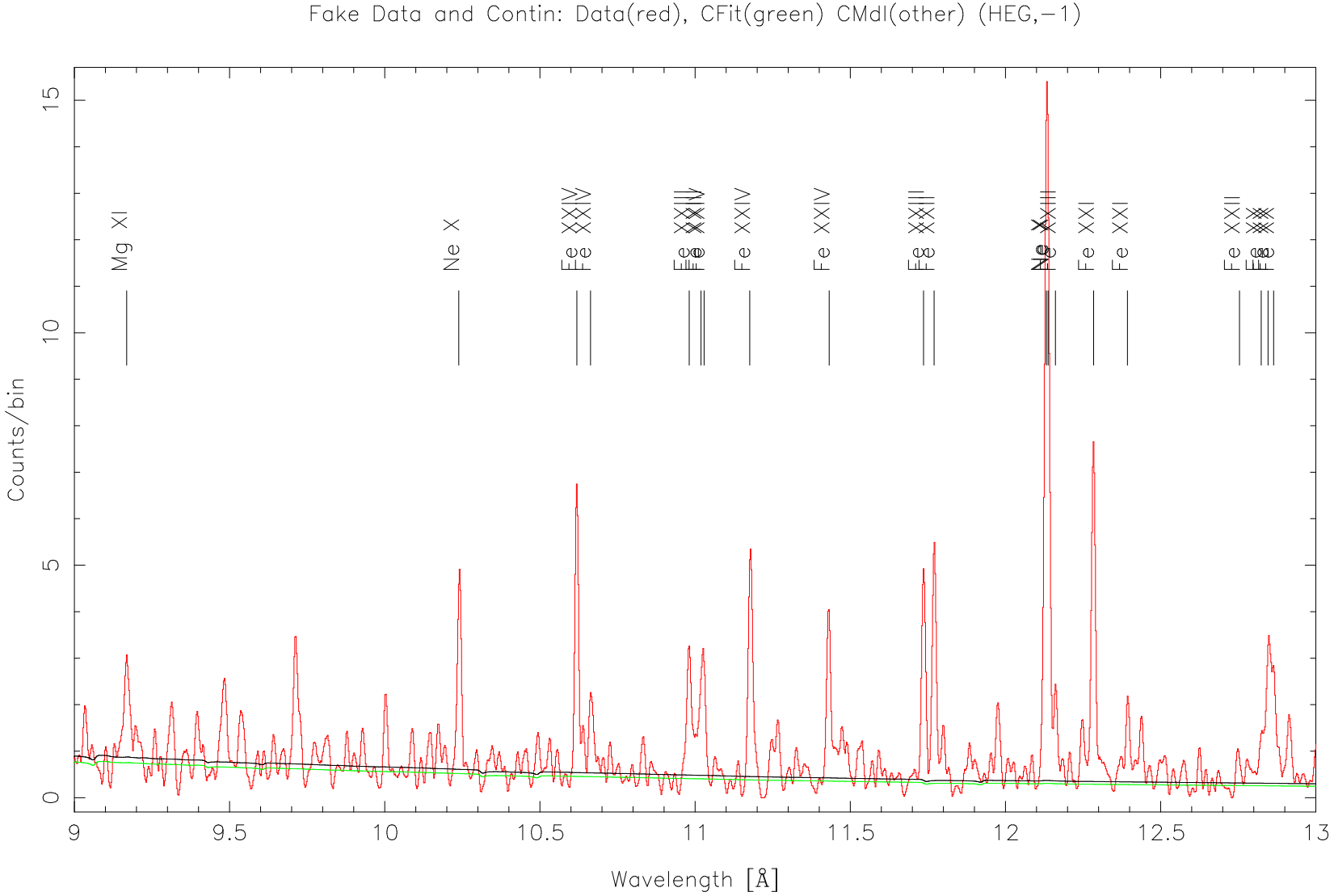

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,+1)
Counts/bin
Wavelength [Å]
0
10
20
30
40
50
12
13
14
15
16
17
18
Ne X
Ne X
Fe XXI
Fe XXI
Fe XXII
Fe XX
Ne IX
Fe XX
Ne IX
Ne IX
Fe XXI
Fe XVIII
Fe XVII
Fe XVII
O VIII
Fe XVII
Fe XVII

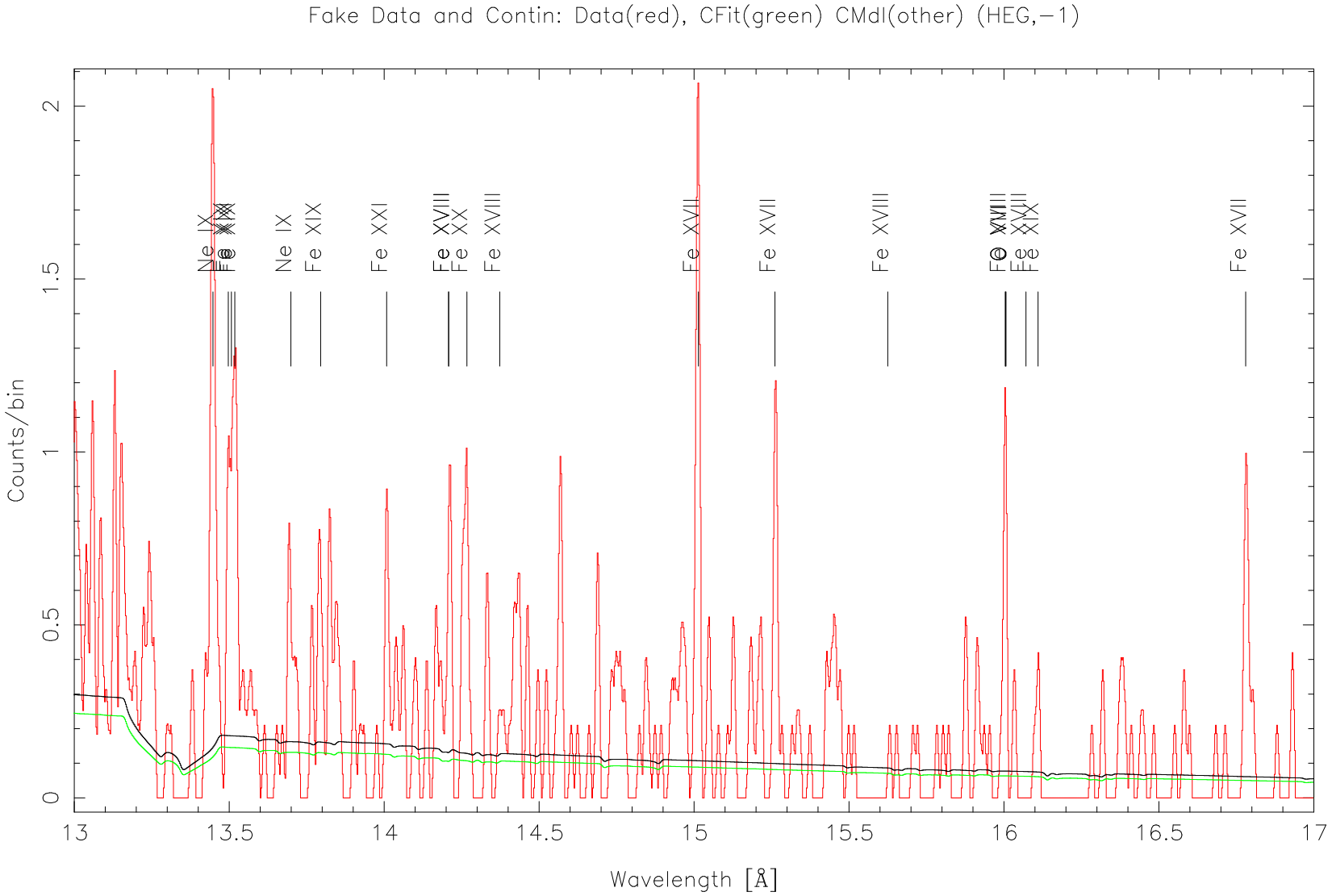

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,+1)
Counts/bin
Wavelength [Å]
0
2
4
6
8
18
19
20
21
22
23
24
25
C VI
O VIII
Ca XVIII
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VII
O VII
O VII
Ar XVII
N VII
Ar XVI
Ar XVI

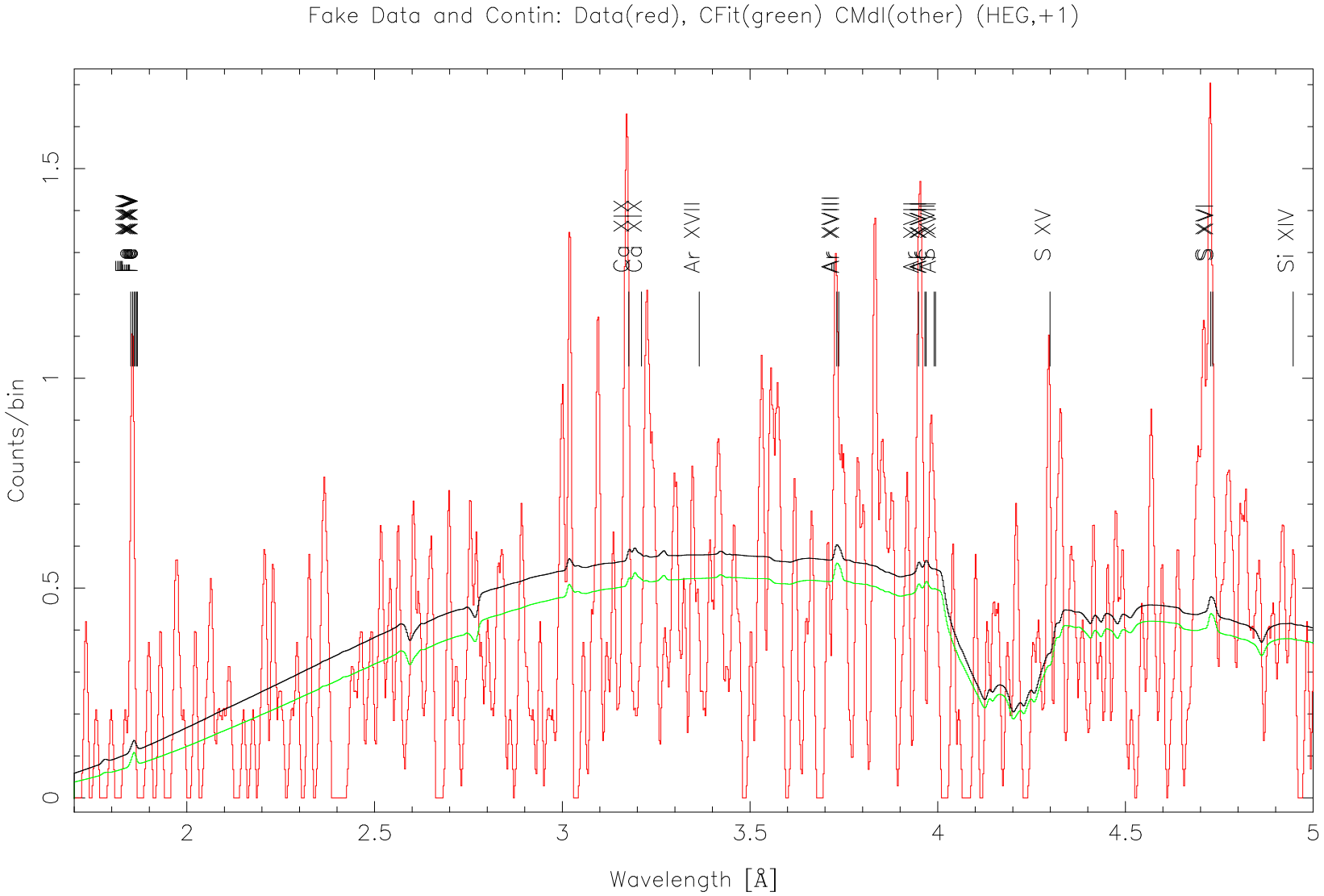

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (MEG,+1)
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VII
O VII
S XIV
S XIV
S XIV
N VII
Ar XVI
Ar XVI
Counts/bin
0
0.5
1
20
21
22
23
24
25
Wavelength [Å]

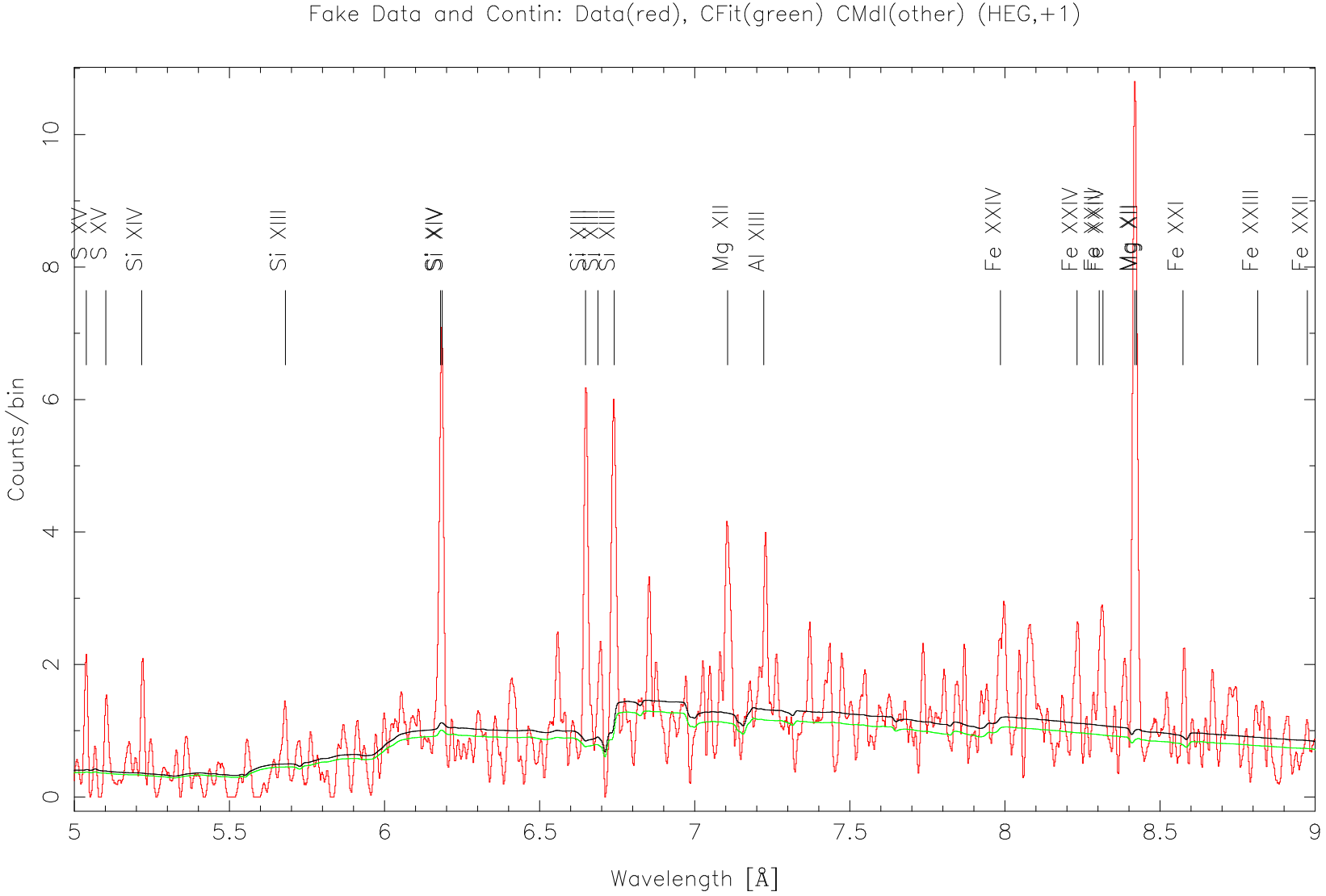

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,−1)
Counts/bin
Wavelength [Å]
Fe XXV
Ca XIX
Ar XVII
Ar XVIII
S XV
S XVI
Si XIV
0
1
2
3
2
2.5
3
3.5
4
4.5
5

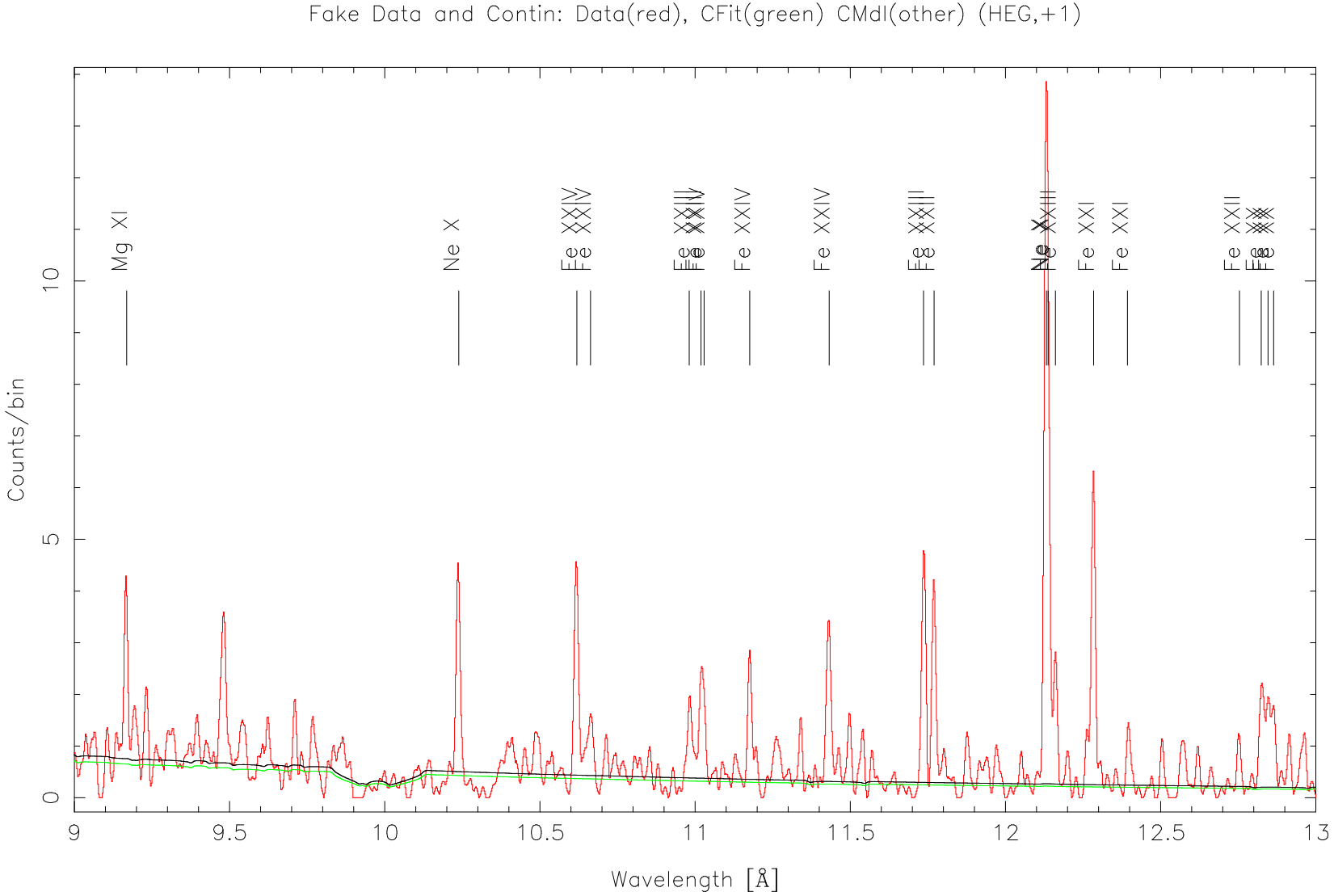

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,−1)
Counts/bin
0
5
10
5
5.5
6
6.5
7
7.5
8
8.5
9
Wavelength [Å]
S XV
S XV
Si XIV
Si XIII
Si XIV
Si XIII
Si XIII
Si XIII
Mg XII
Al XIII
Fe XXIV
Fe XXIV
Fe XXIV
Mg XII
Fe XXI
Fe XXIII
Fe XXII

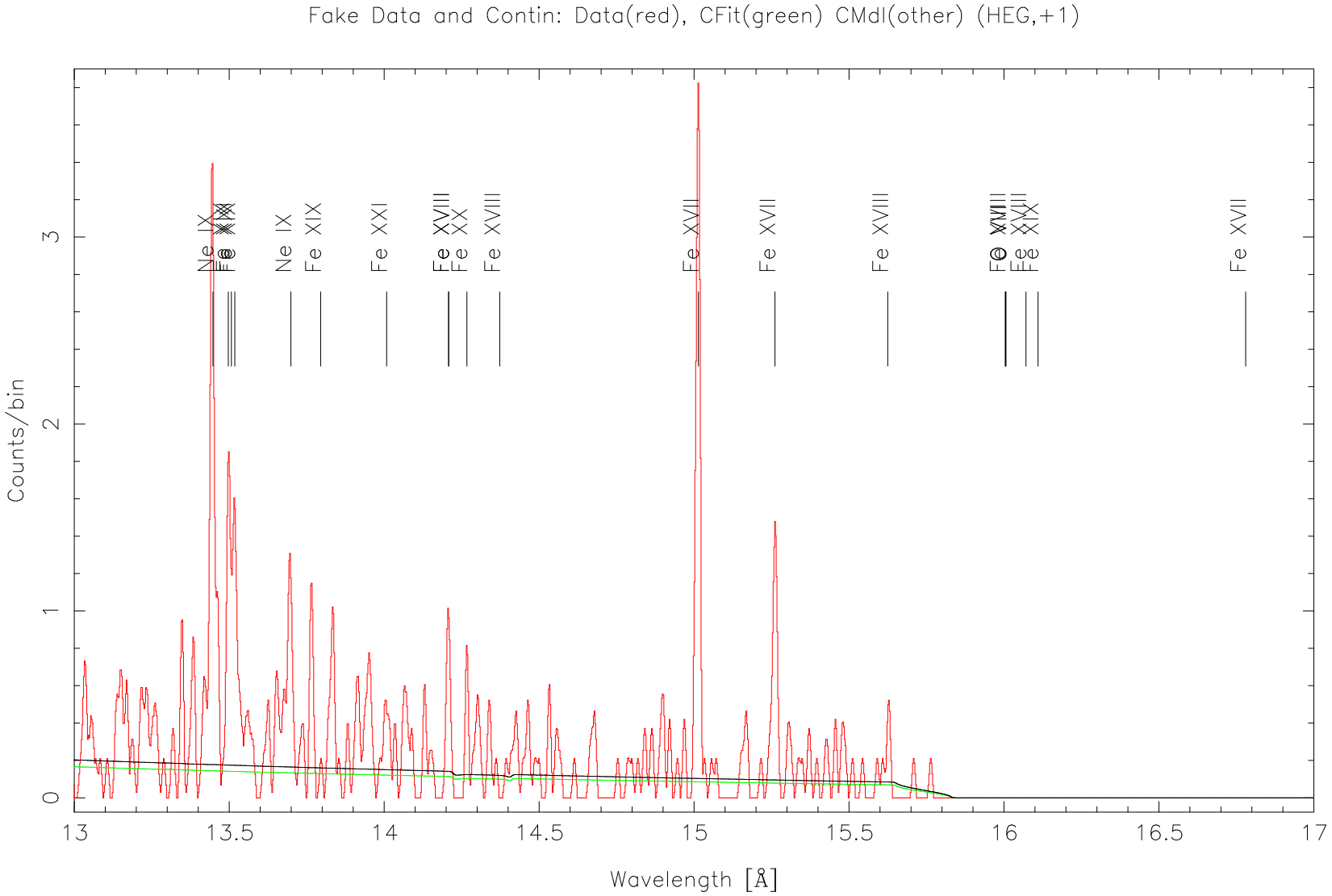

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,−1)
Counts/bin
Wavelength [Å]
0
5
10
15
9
9.5
10
10.5
11
11.5
12
12.5
13
Mg XI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
Fe XXI
Fe XXI
Fe XXII

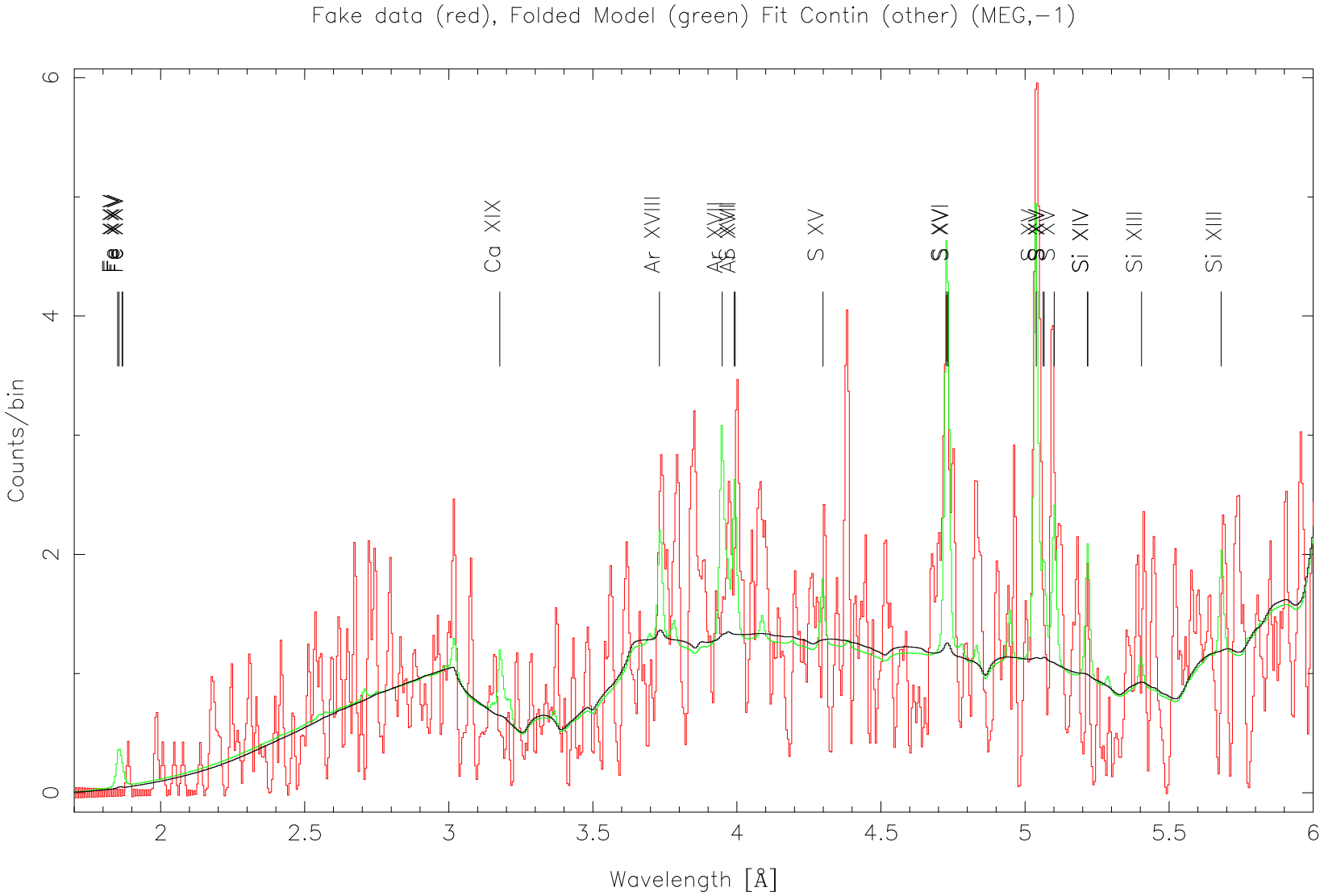

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,−1)
Counts/bin
Wavelength [Å]
0
0.5
1
1.5
2
13
13.5
14
14.5
15
15.5
16
16.5
17
Ne IX
Ne IX
Fe XIX
Fe XXI
Fe XVIII
Fe XX
Fe XVIII
Fe XVII
Fe XVII
Fe XVIII
Fe XVII
Fe XVII

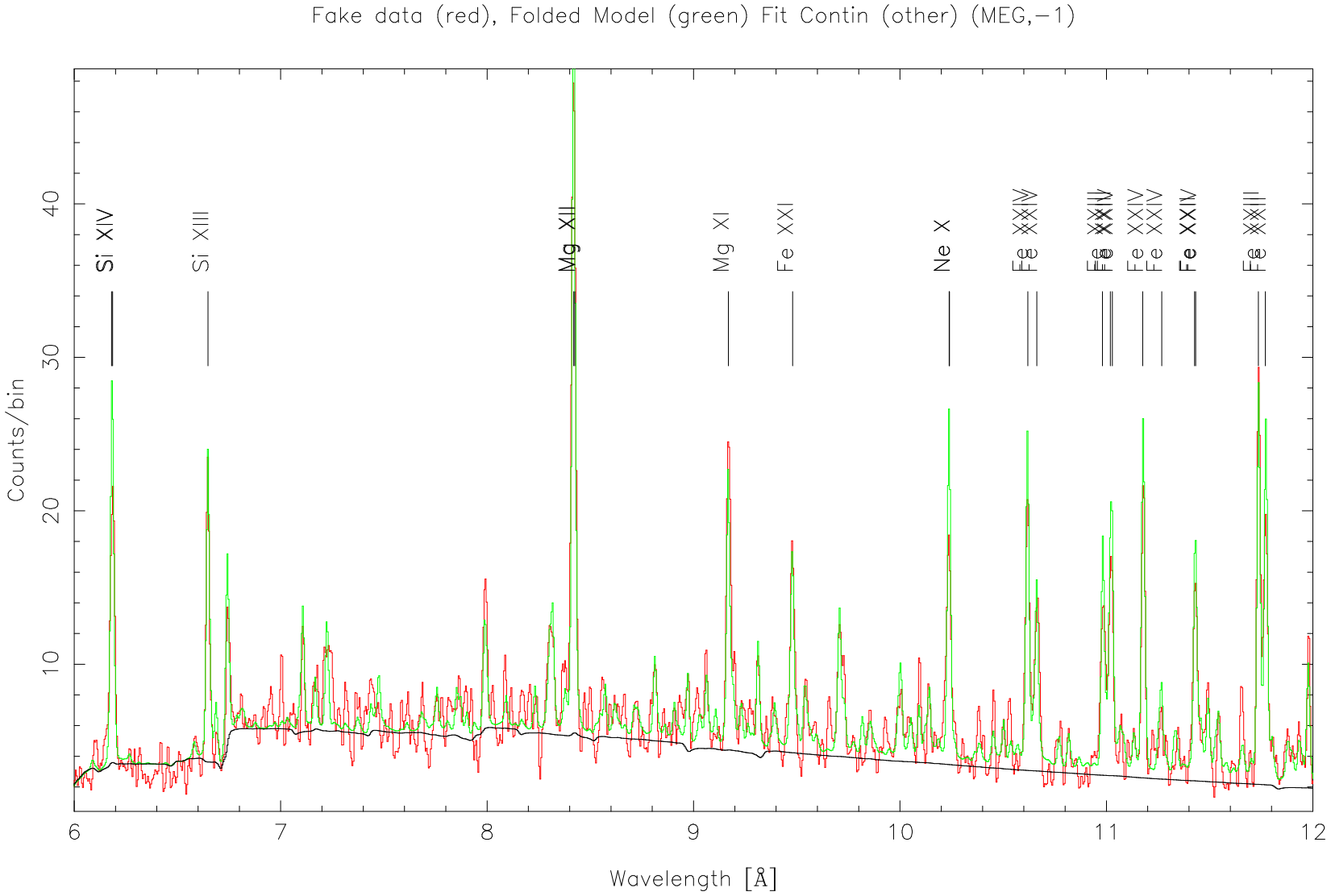

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,+1)
Counts/bin
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Wavelength [Å]
Fe XXV
Ca XIX
Ca XIX
Ar XVII
Ar XVIII
Ar XVII
Ar XVII
S XV
S XVI
Si XIV

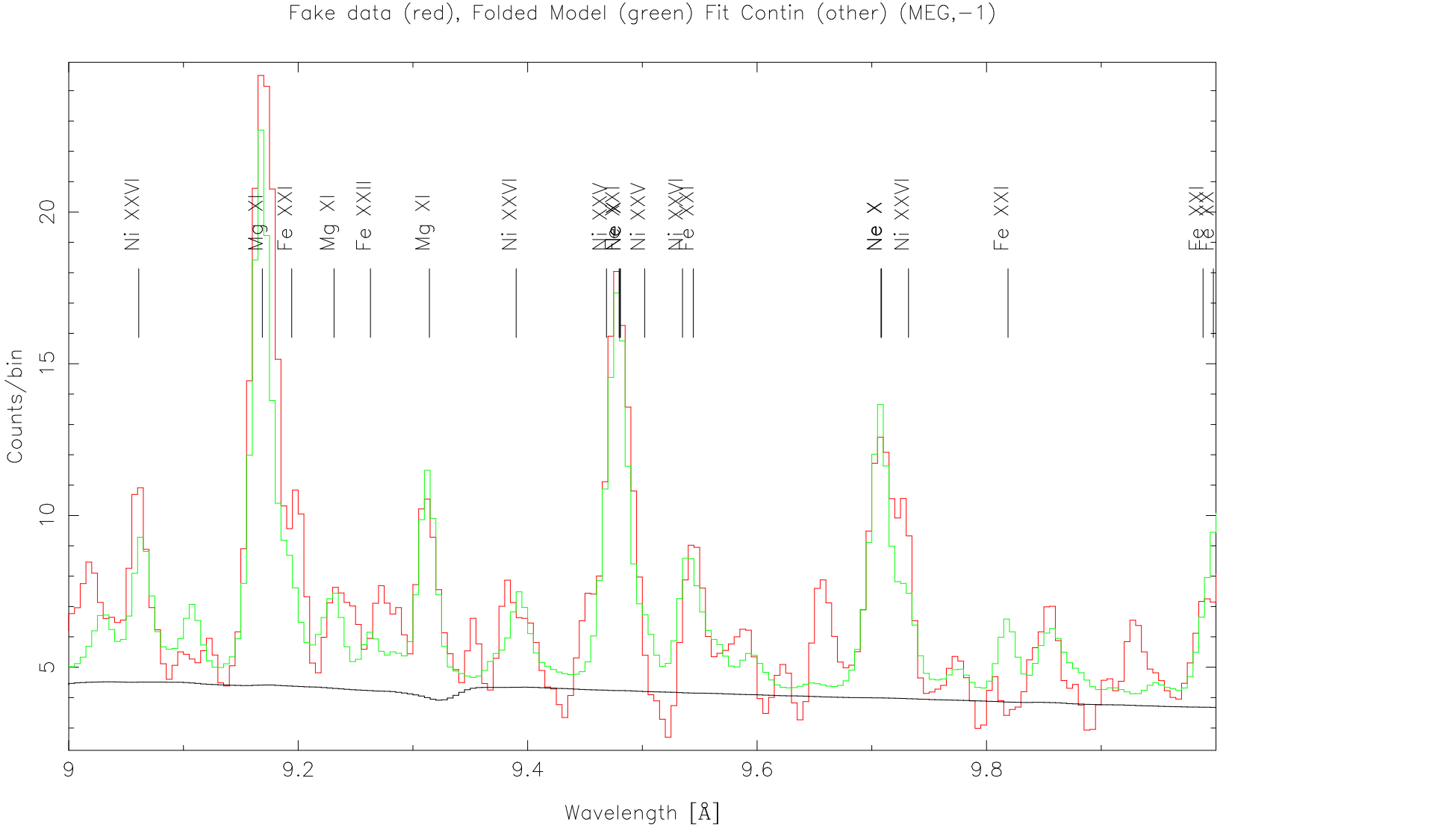

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,+1)
Counts/bin
Wavelength [Å]
0
2
4
6
8
10
5
5.5
6
6.5
7
7.5
8
8.5
9
S XV
S XV
Si XIV
Si XIII
Si XIV
Si XIII
Si XIII
Si XIII
Mg XII
Al XIII
Fe XXIV
Fe XXIV
Fe XXIV
Mg XII
Fe XXI
Fe XXIII
Fe XXII

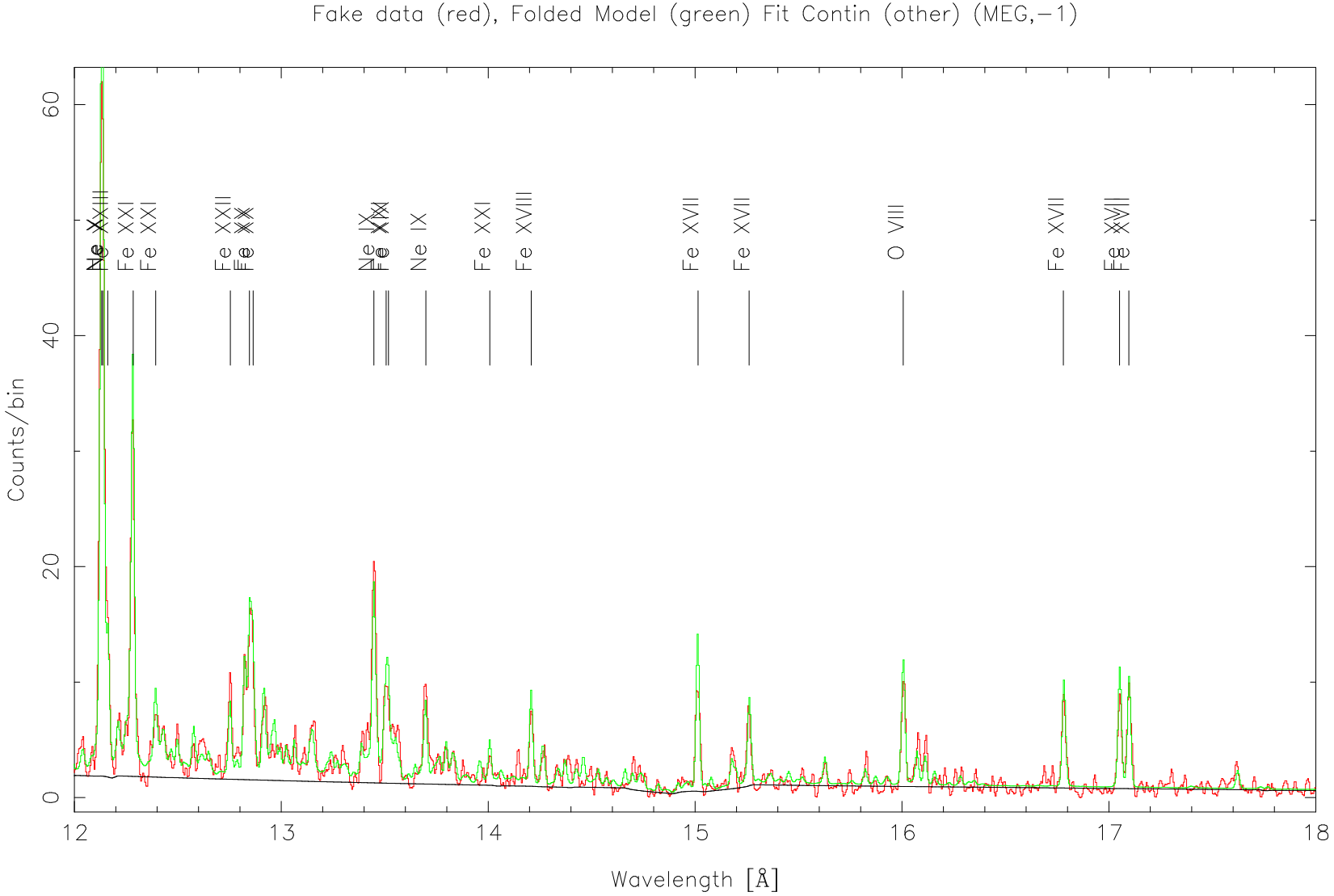

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,+1)
Counts/bin
0
5
10
9
9.5
10
10.5
11
11.5
12
12.5
13
Wavelength [Å]
Mg XI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
Fe XXI
Fe XXI
Fe XXII

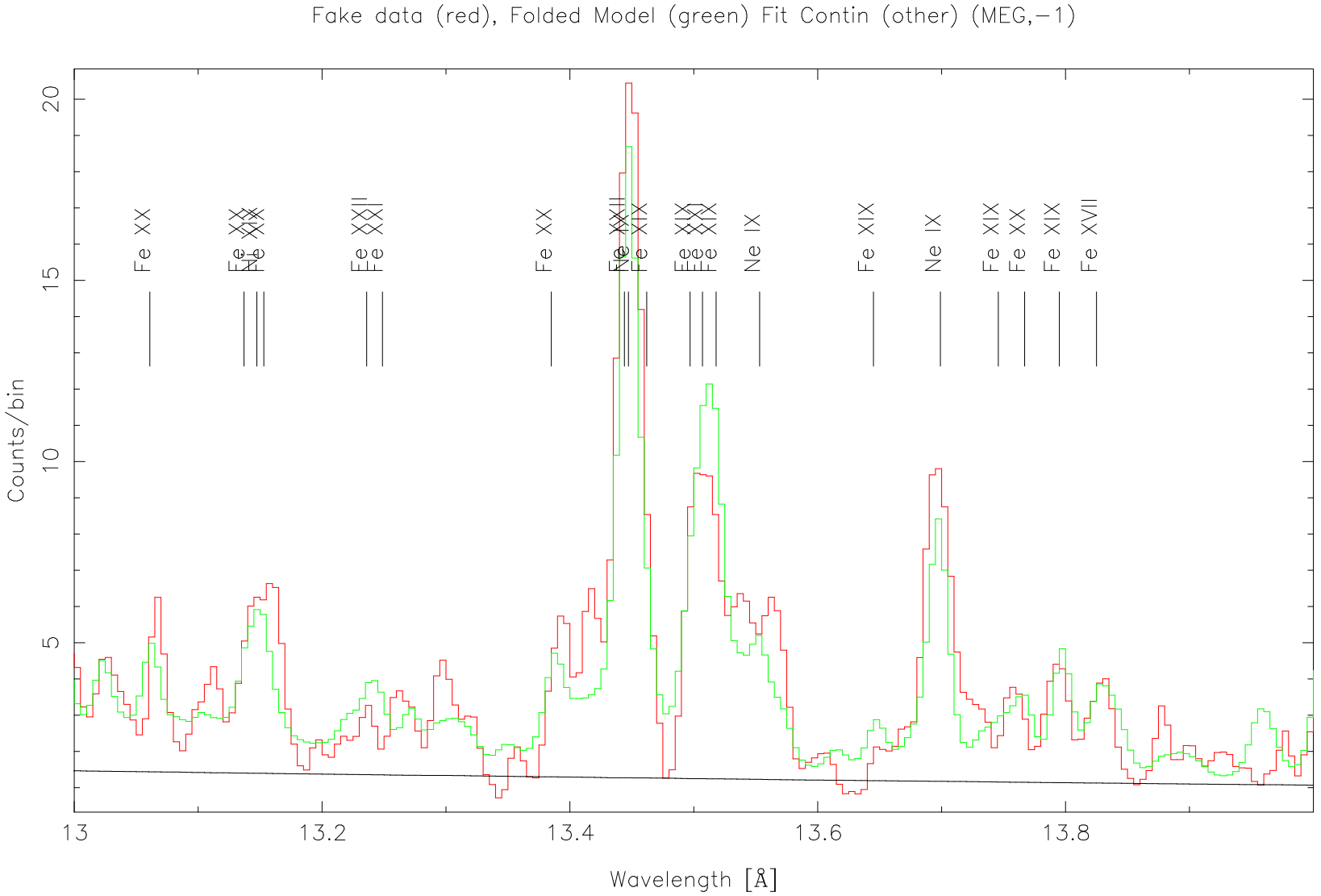

Fake Data and Contin: Data(red), CFit(green) CMdl(other) (HEG,+1)
Counts/bin
Wavelength [Å]
0
1
2
3
13
13.5
14
14.5
15
15.5
16
16.5
17
Ne IX
Ne IX
Fe XIX
Fe XXI
Fe XVIII
Fe XX
Fe XVIII
Fe XVII
Fe XVII
Fe XVIII
Fe XVII
Fe XIX
Fe XVII

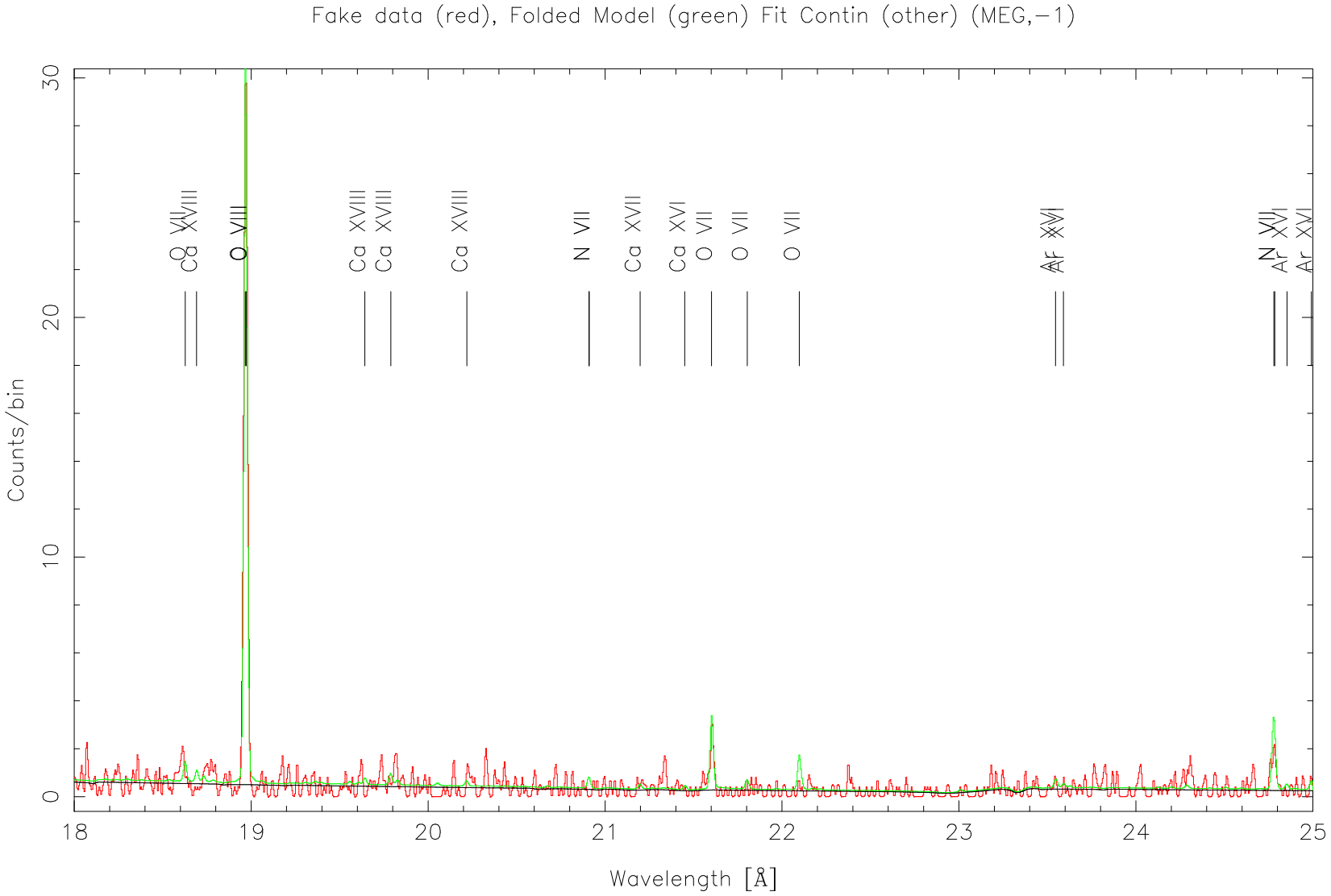

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
Wavelength [Å]
Fe XXV
Ca XIX
Ar XVIII
S XV
S XVI
Si XIV
Si XIII
Si XIII
0
2
4
6
2
2.5
3
3.5
4
4.5
5
5.5
6

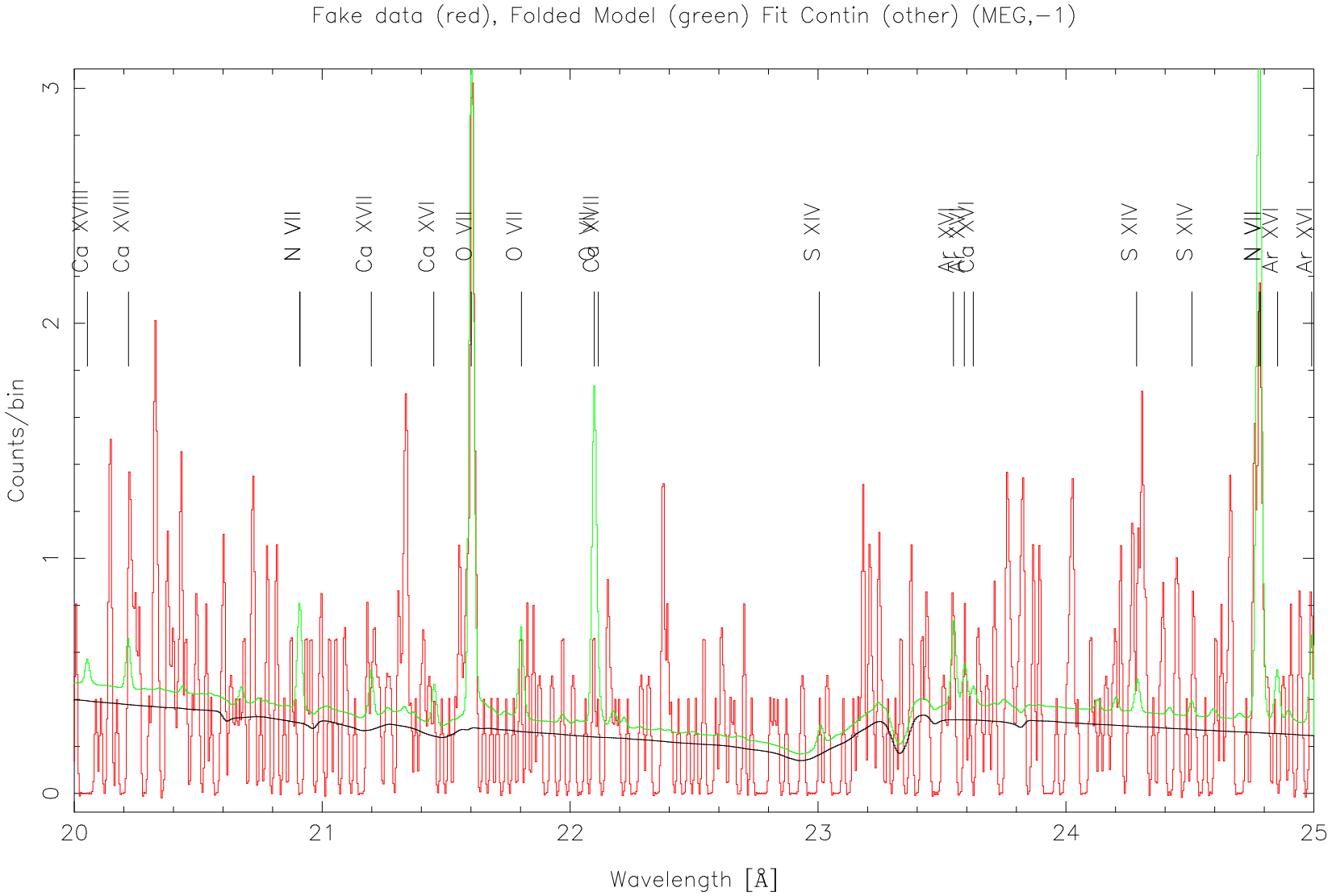

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
10
20
30
40
Si XIV
Si XIII
Mg XII
Mg XI
Fe XXI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
6
7
8
9
10
11
12
Wavelength [Å]


Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
5
10
15
20
9
9.2
9.4
9.6
9.8
Wavelength [Å]
Ni XXVI
Mg XII
Fe XXI
Mg XI
Fe XXII
Mg XI
Ni XXVI
Ni XXV
Ne X
Ni XXV
Ni XXVI
Fe XXI
Ne X
Ni XXVI
Fe XXI
Fe XXI

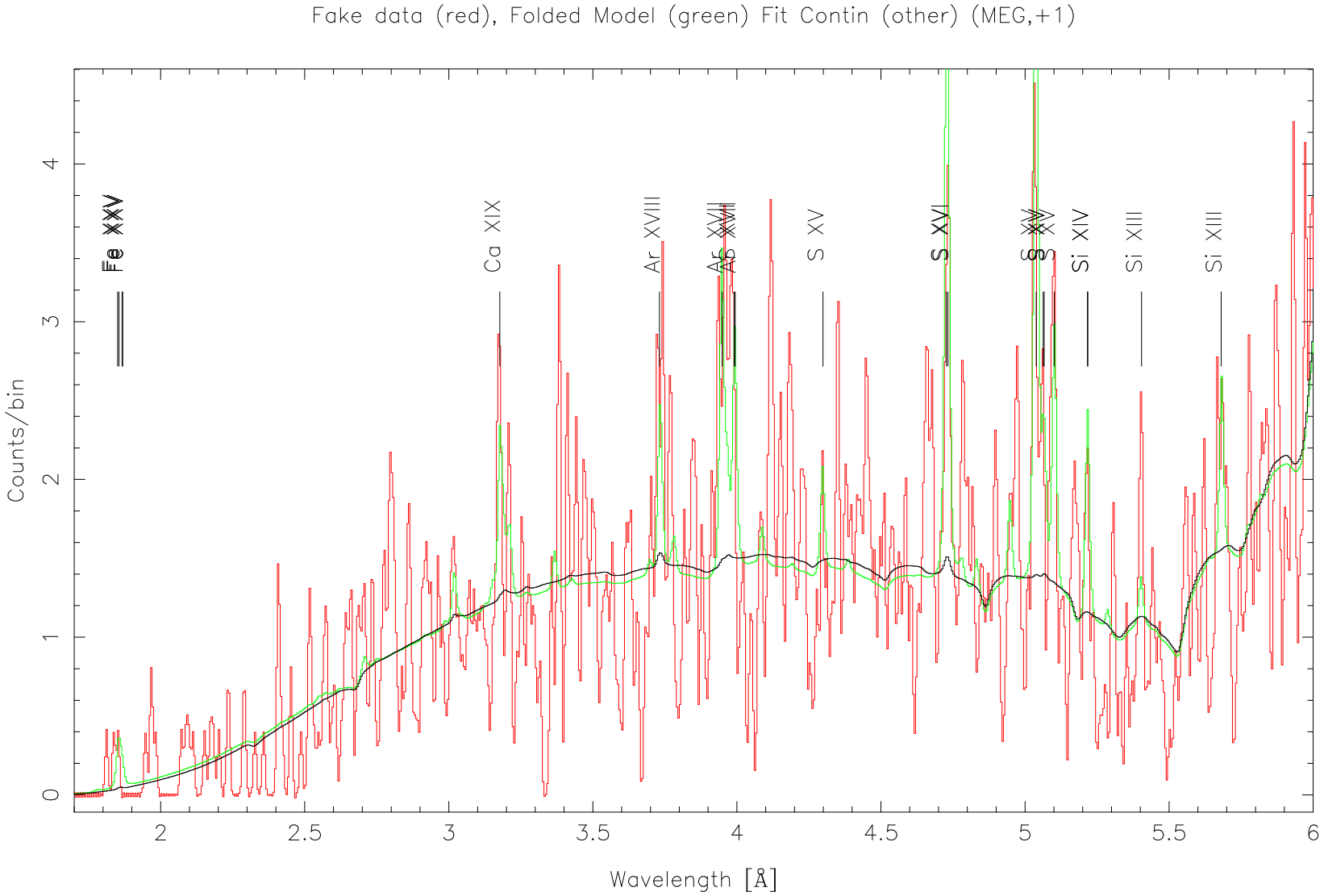

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
0
20
40
60
12
13
14
15
16
17
18
Wavelength [Å]
Ne XXII
Fe XXI
Fe XXI
Fe XXII
Ne IX
Ne IX
Ne IX
Ne IX
Fe XXI
Fe XVIII
Fe XVII
Fe XVII
O VIII
Fe XVII
Fe XVII

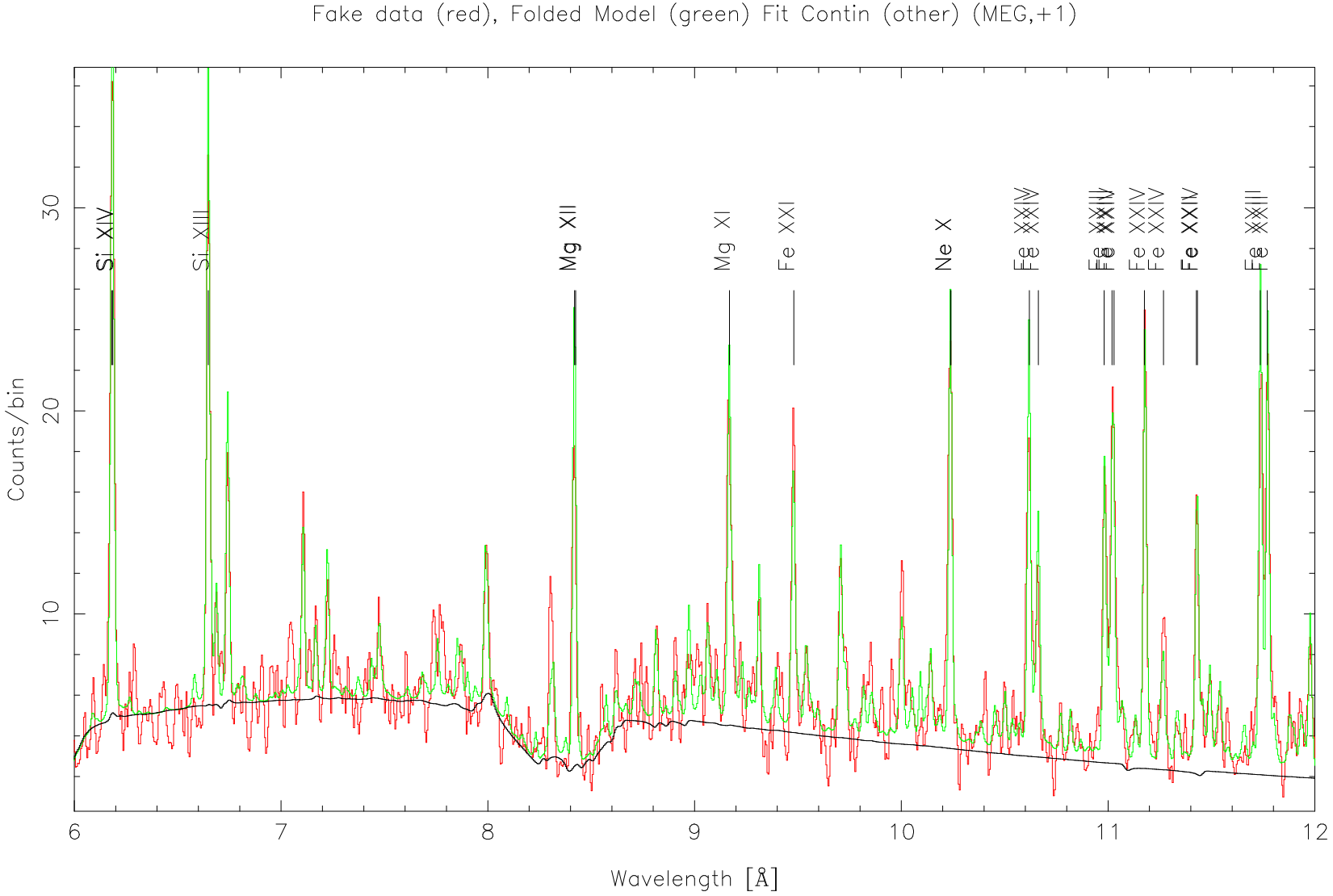

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
Wavelength [Å]
13
13.2
13.4
13.6
13.8
5
10
15
20
Fe XX
Fe XX
Fe XX
Fe XX
Fe XX
Fe XX
Fe XX
Fe XXII
Fe XIX
Fe XIX
Fe XIX
Fe XIX
Ne IX
Fe XIX
Ne IX
Fe XIX
Fe XX
Fe XIX
Fe XVII

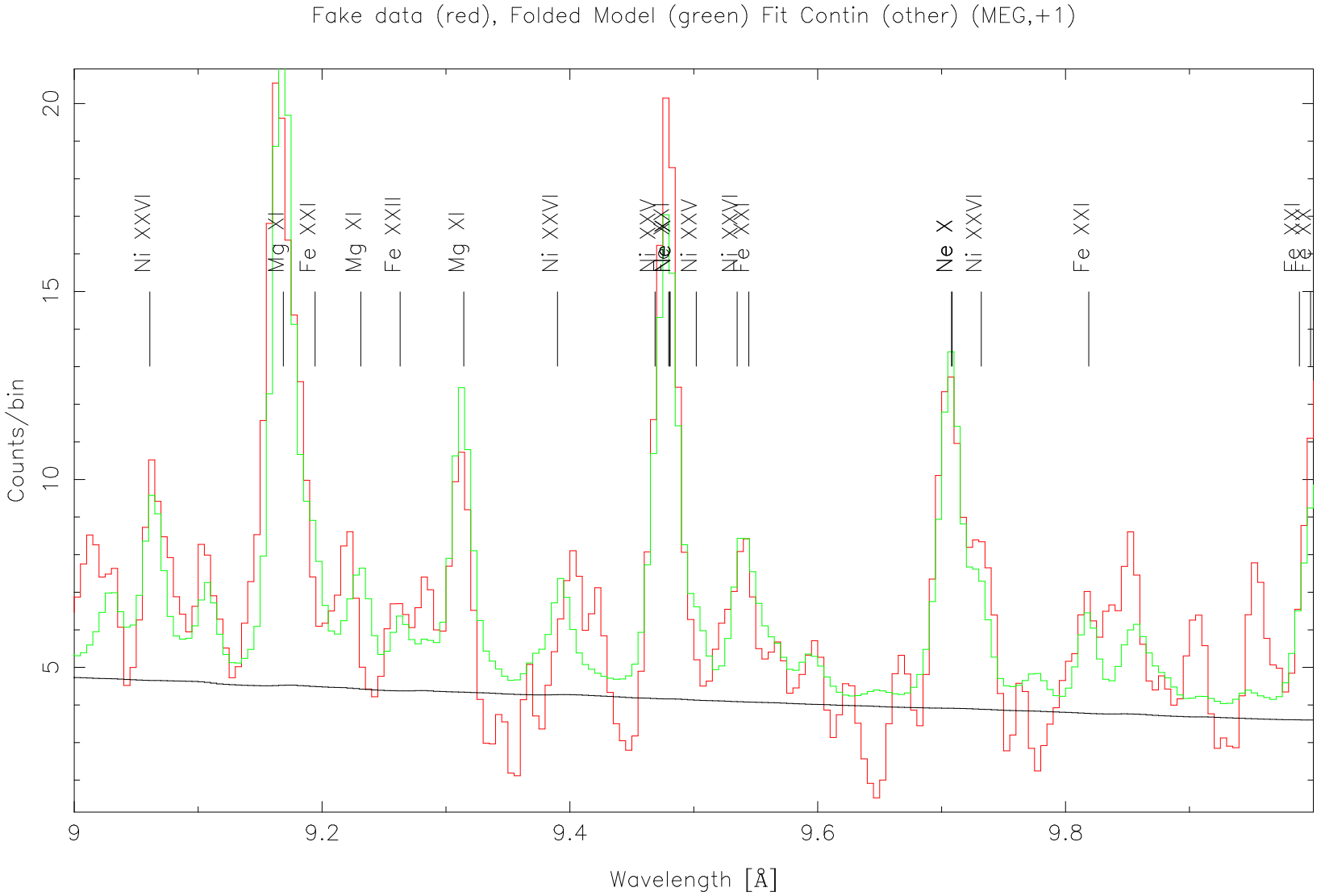

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
0
10
20
30
18
19
20
21
22
23
24
25
Wavelength [Å]
O VIII
Ca XVIII
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VII
O VII
O VII
Ar XVI
Ar XVI
Ar XVI

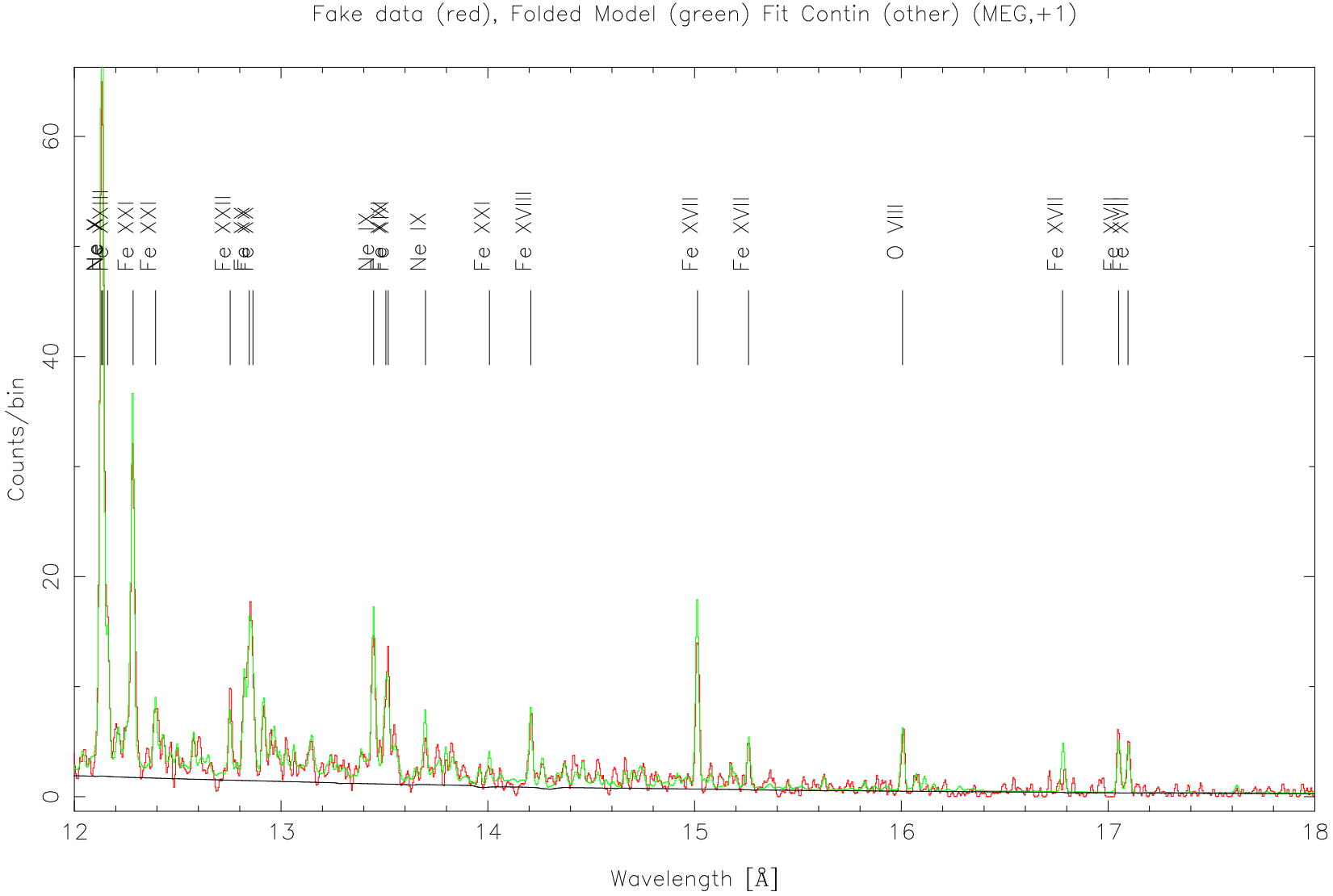

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
0
1
2
3
20
21
22
23
24
25
Wavelength [Å]
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VIII
O VII
Ca XVII
S XIV
Ar XVI
Ca XVI
S XIV
S XIV
N VII
Ar XVI
Ar XVI

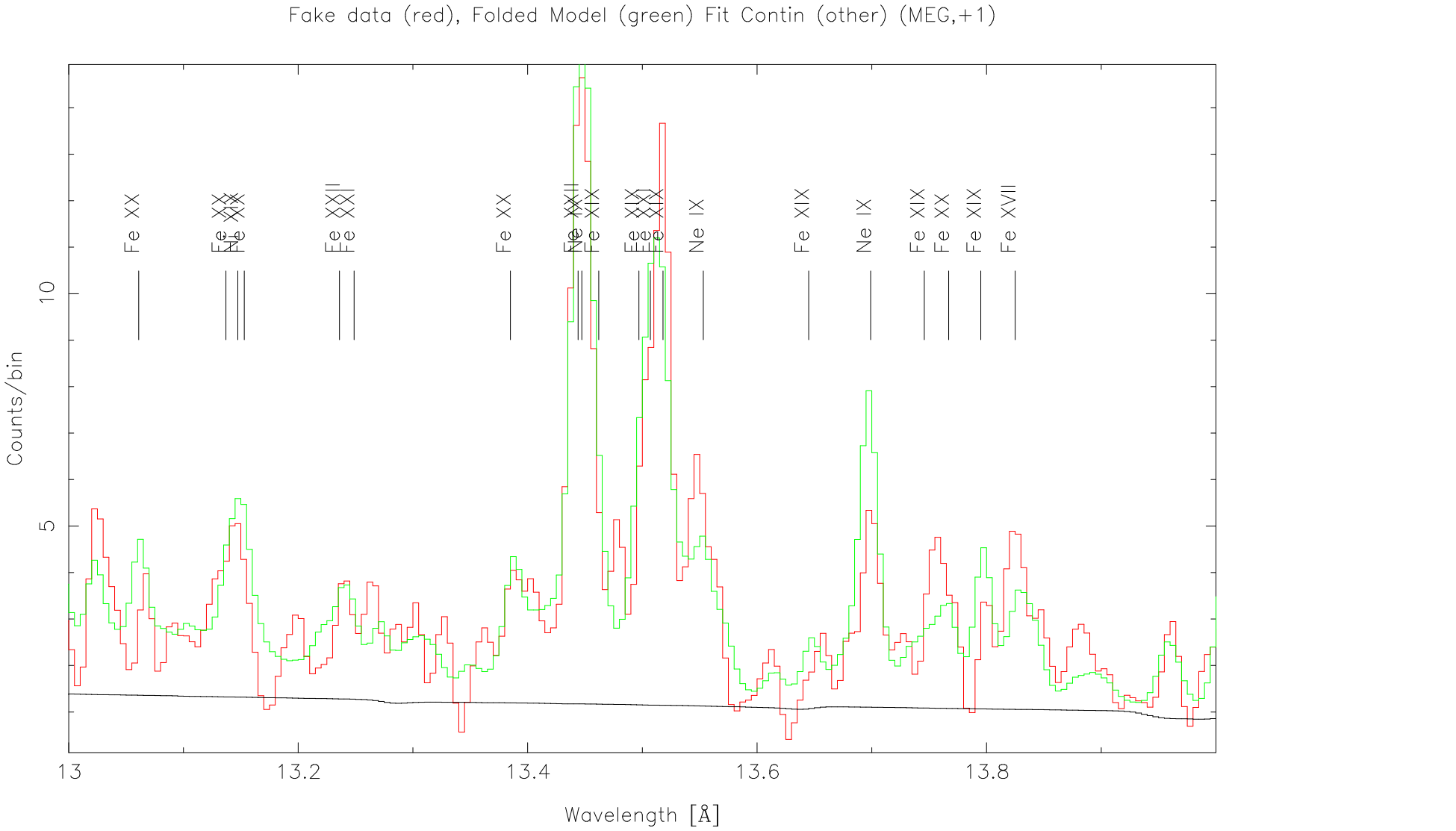
Fake data (red), Folded Model (green) Fit Contin (other) (MEG,−1)
Counts/bin
0
1
2
3
Fe XXIV
Fe XXIV
Ca XVI
O VIII
O VII
Fe XXIV
S XIV
Fe XXIV
O VII
Ca XVII
Fe XXIV
Fe XXIV
21.4
21.6
21.8
22
22.2
Wavelength [Å]

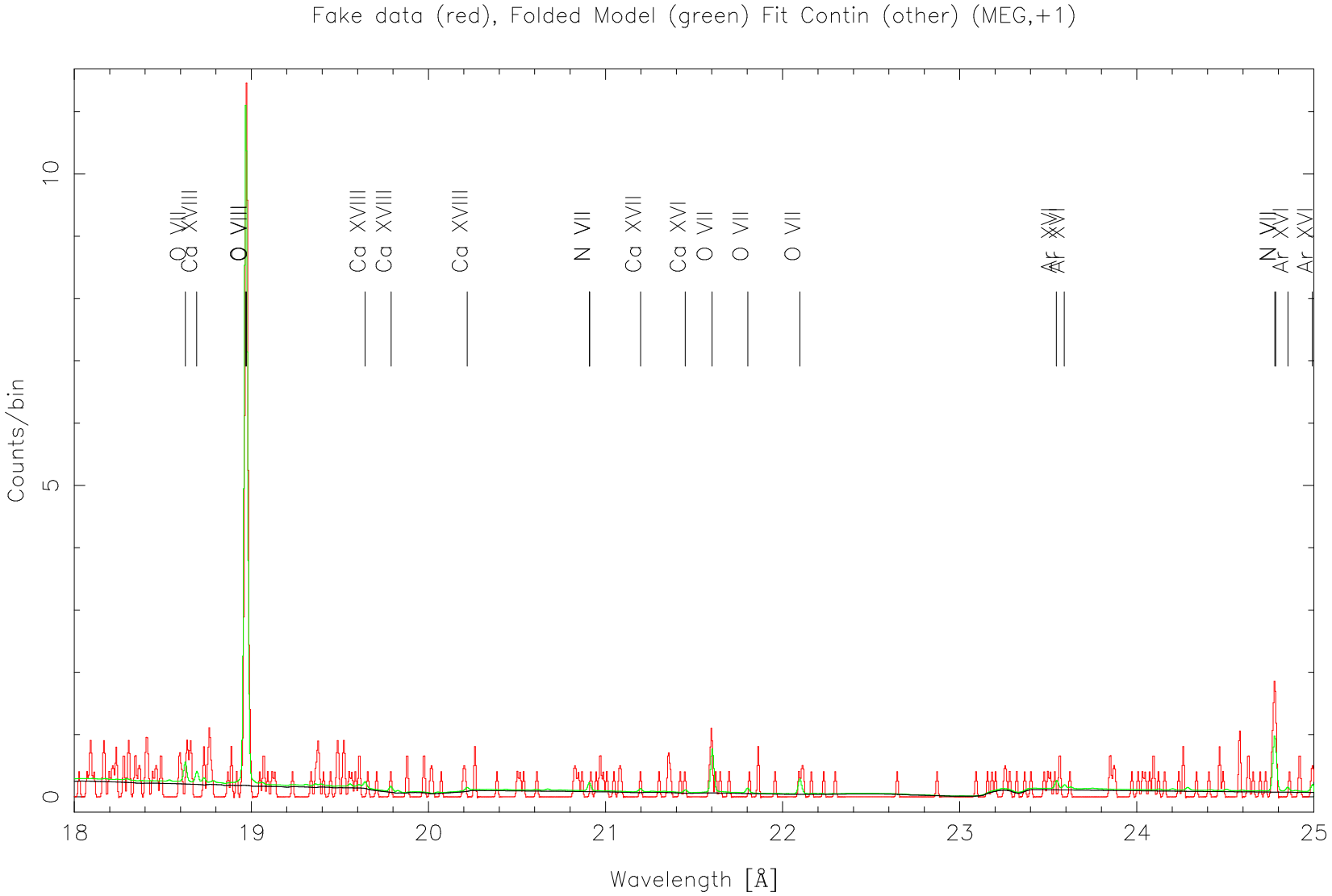

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
Wavelength [Å]
Fe XXV
Ca XIX
Ar XVIII
Ar XVII
Ar XVII
S XV
S XVI
S XV
S XV
Si XIV
Si XIII
Si XIII
0
1
2
3
4
2
2.5
3
3.5
4
4.5
5
5.5
6

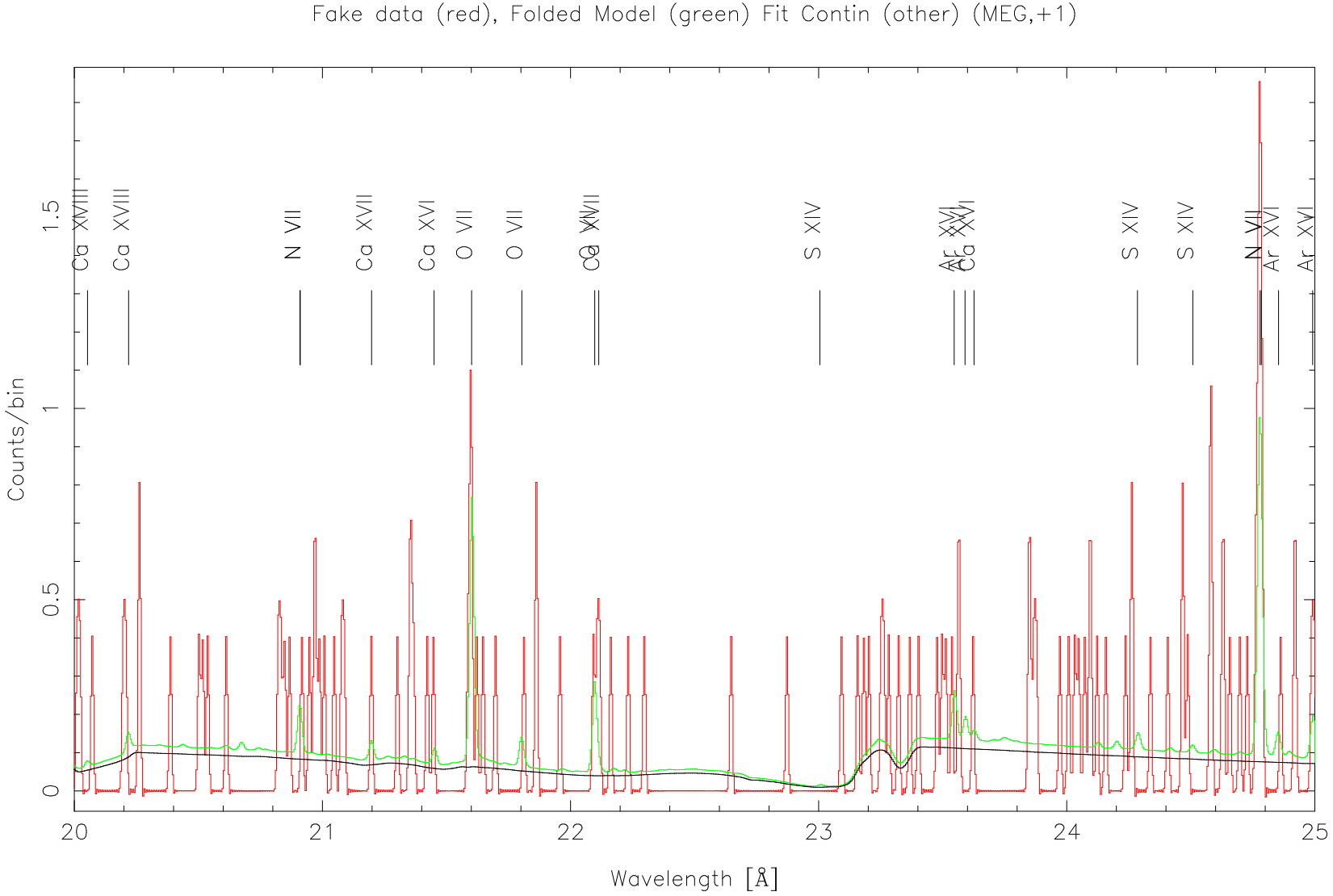

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
10
20
30
Si XIV
Si XIII
Mg XII
Mg XI
Fe XXI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
6
7
8
9
10
11
12
Wavelength [Å]

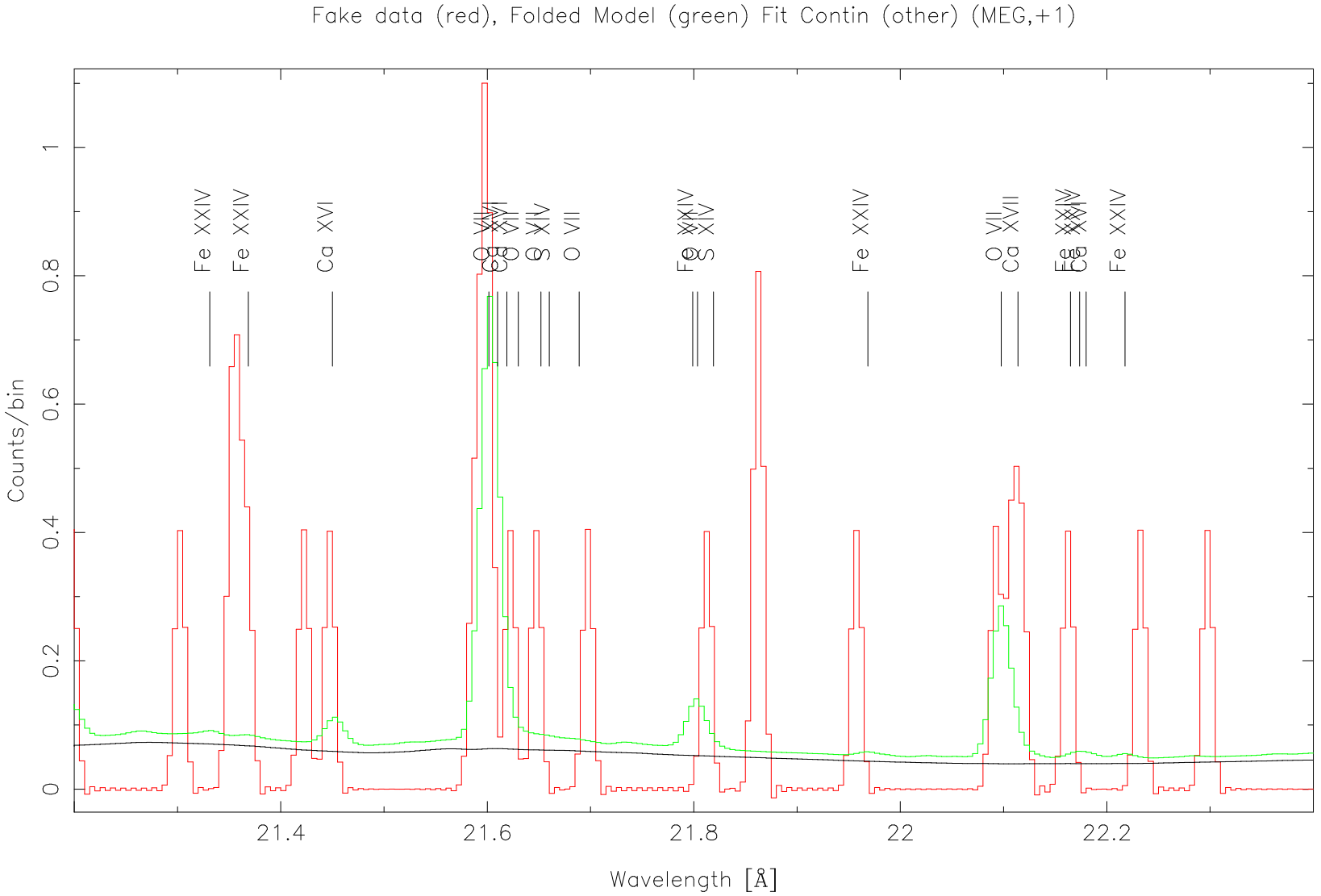

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
Wavelength [Å]
Ni XXVI
Mg XI
Fe XXI
Mg XI
Fe XXII
Mg XI
Ni XXVI
Ni XXV
Ne X
Ni XXV
Ni XXVI
Fe XXI
Ne X
Ni XXVI
Fe XXI
Fe XXI

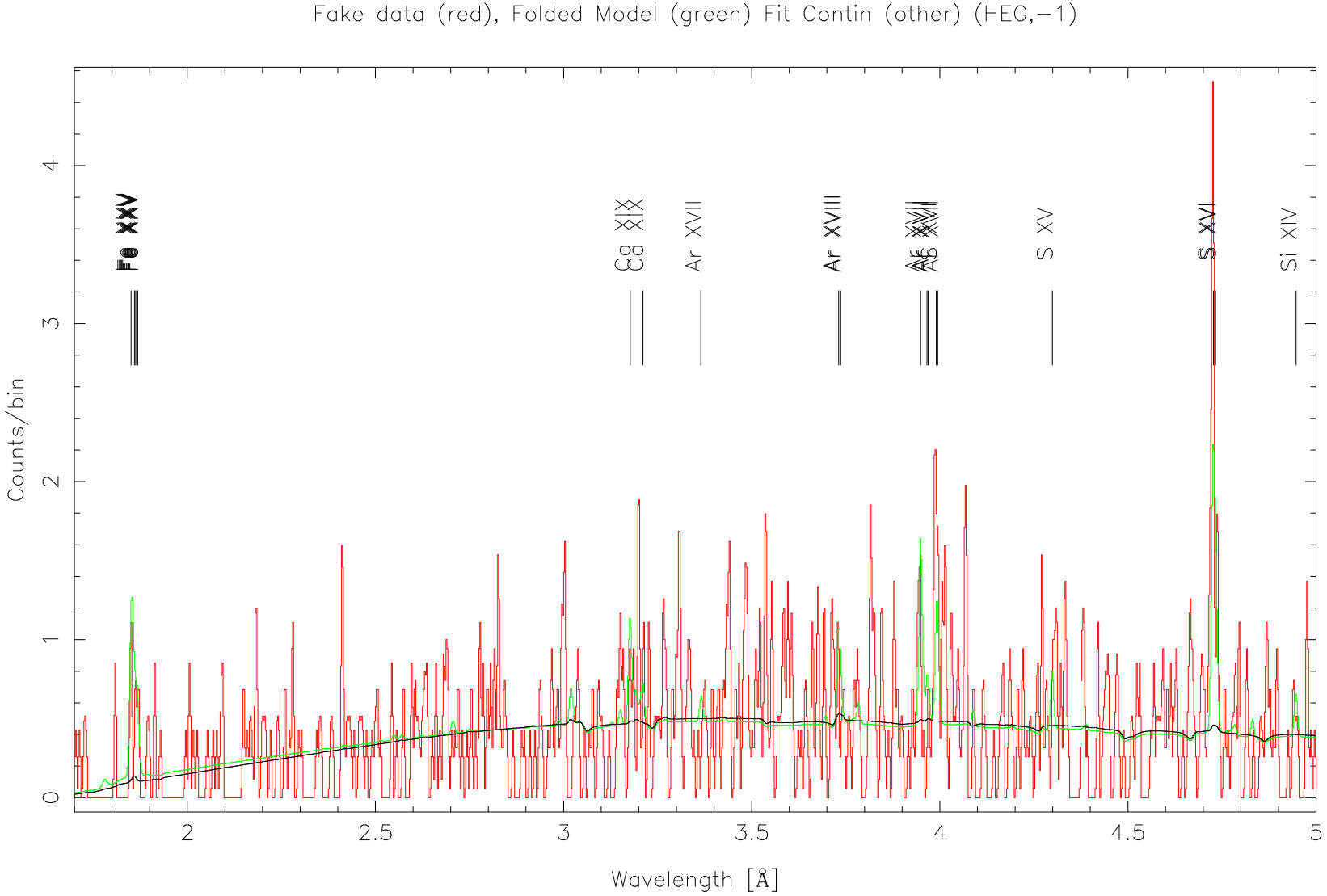

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
0
20
40
60
12
13
14
15
16
17
18
Wavelength [Å]
Ne X
Ne X
Fe XXI
Fe XXI
Fe XXII
Fe XX
Fe XX
Ne IX
Ne IX
Fe XX
Fe XX
Ne IX
Fe XXI
Fe XVIII
Fe XVII
Fe XVII
O VIII
Fe XVII
Fe XVII
Fe XVII

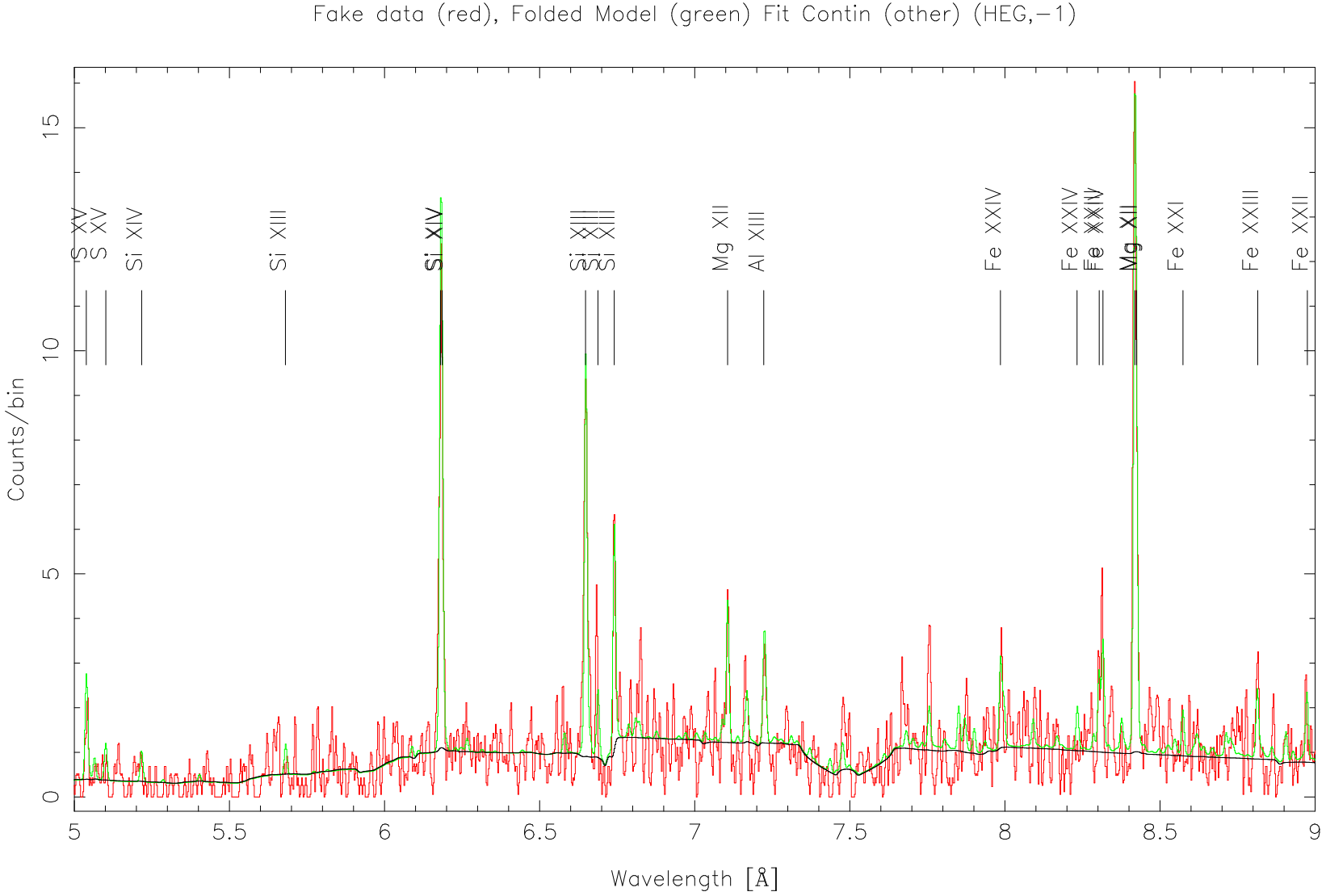

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
5
10
13
13.2
13.4
13.6
13.8
Wavelength [Å]
Fe XX
Fe XX
Ne IX
Fe XIX
Ne IX
Fe XIX
Fe XX
Fe XIX
Fe XVII

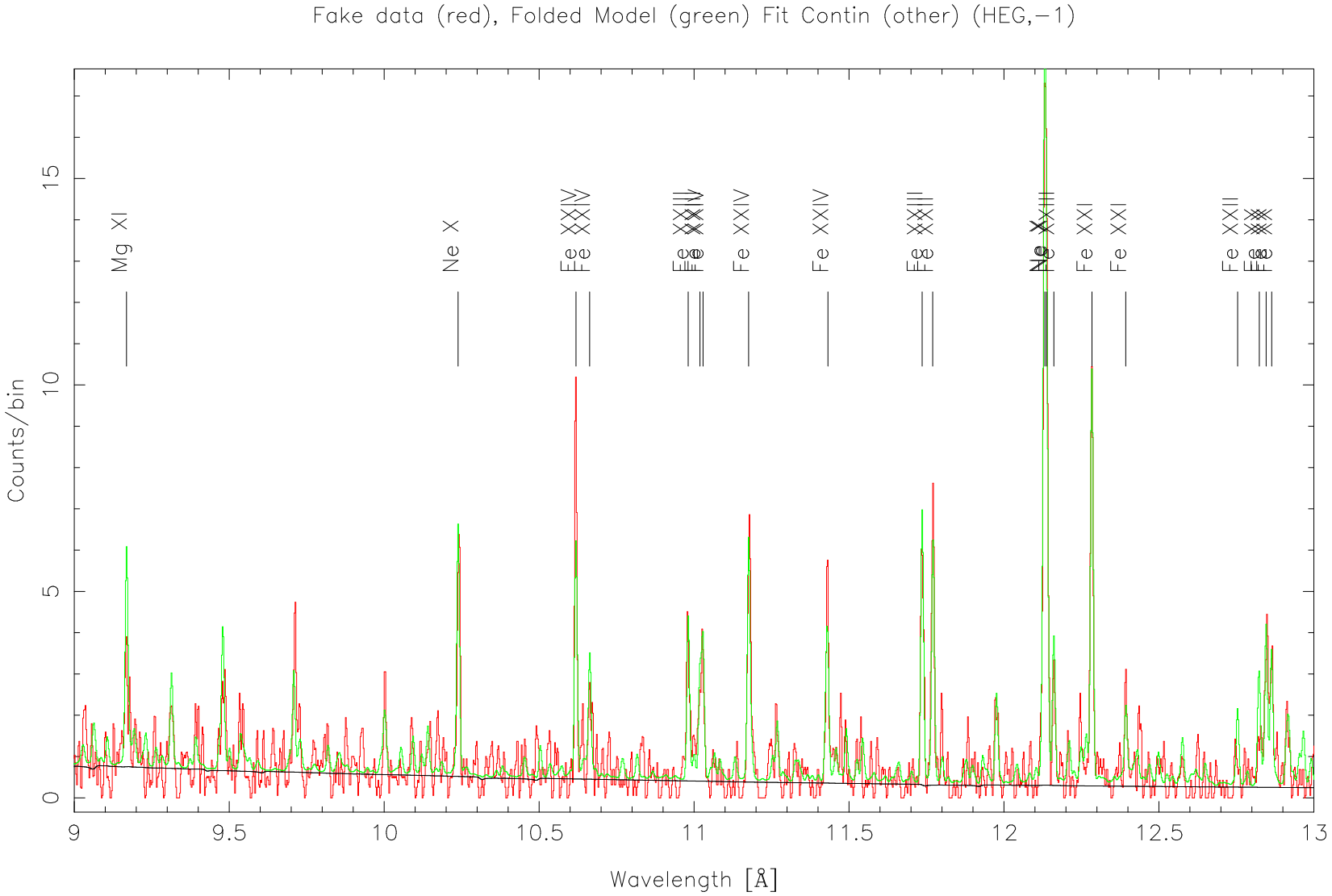

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
0
5
10
18
19
20
21
22
23
24
25
Wavelength [Å]
O VIII
Ca XVIII
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VII
O VII
O VII
Ar XVII
N VII
Ar XVI
Ar XVI

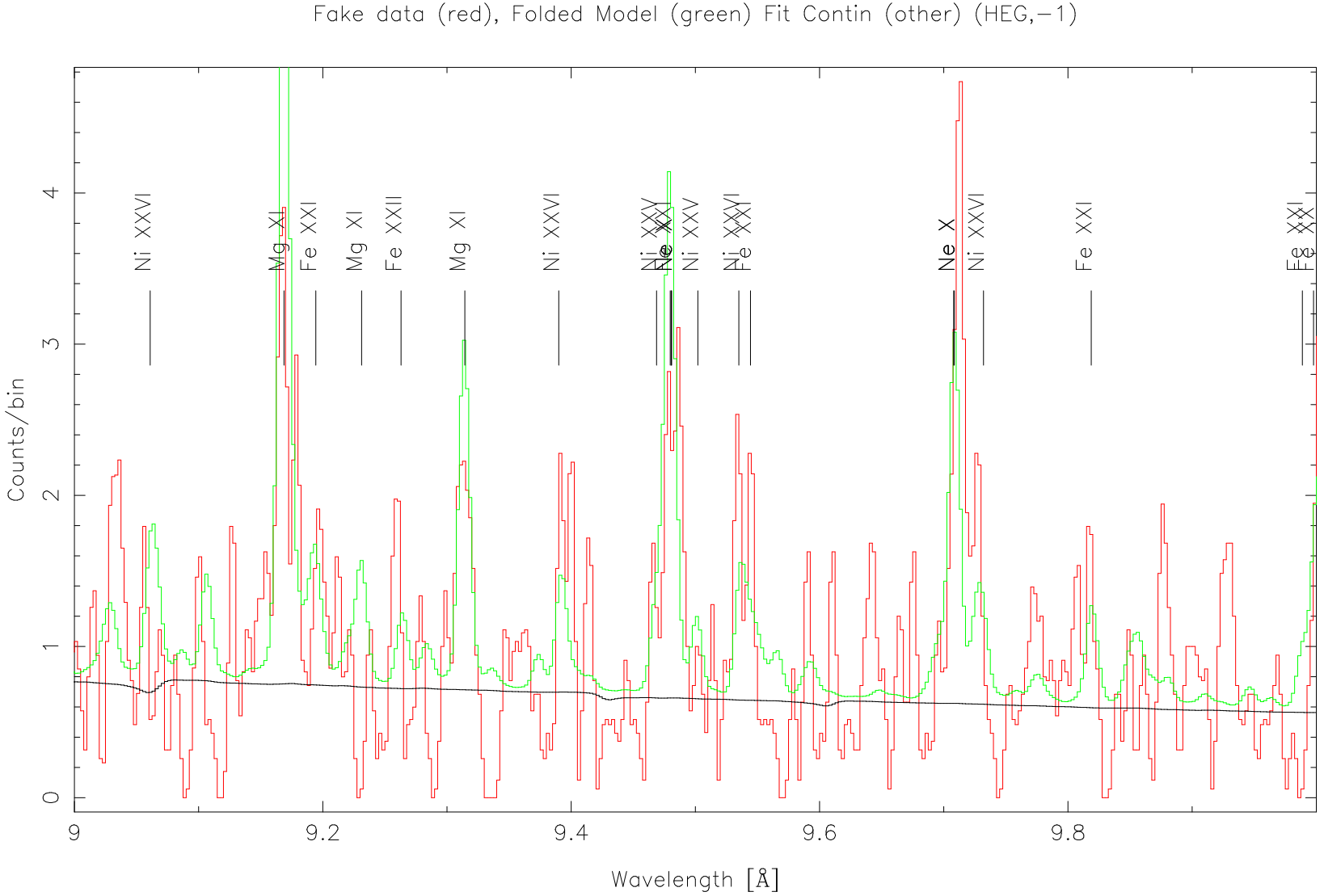

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
0
0.5
1
1.5
20
21
22
23
24
25
Wavelength [Å]
Ca XVIII
Ca XVIII
N VII
Ca XVII
Ca XVI
O VII
O VII
Ca XVII
S XIV
Ar XVI
Ca XVI
S XIV
S XIV
N VII
Ar XVI
Ar XVI

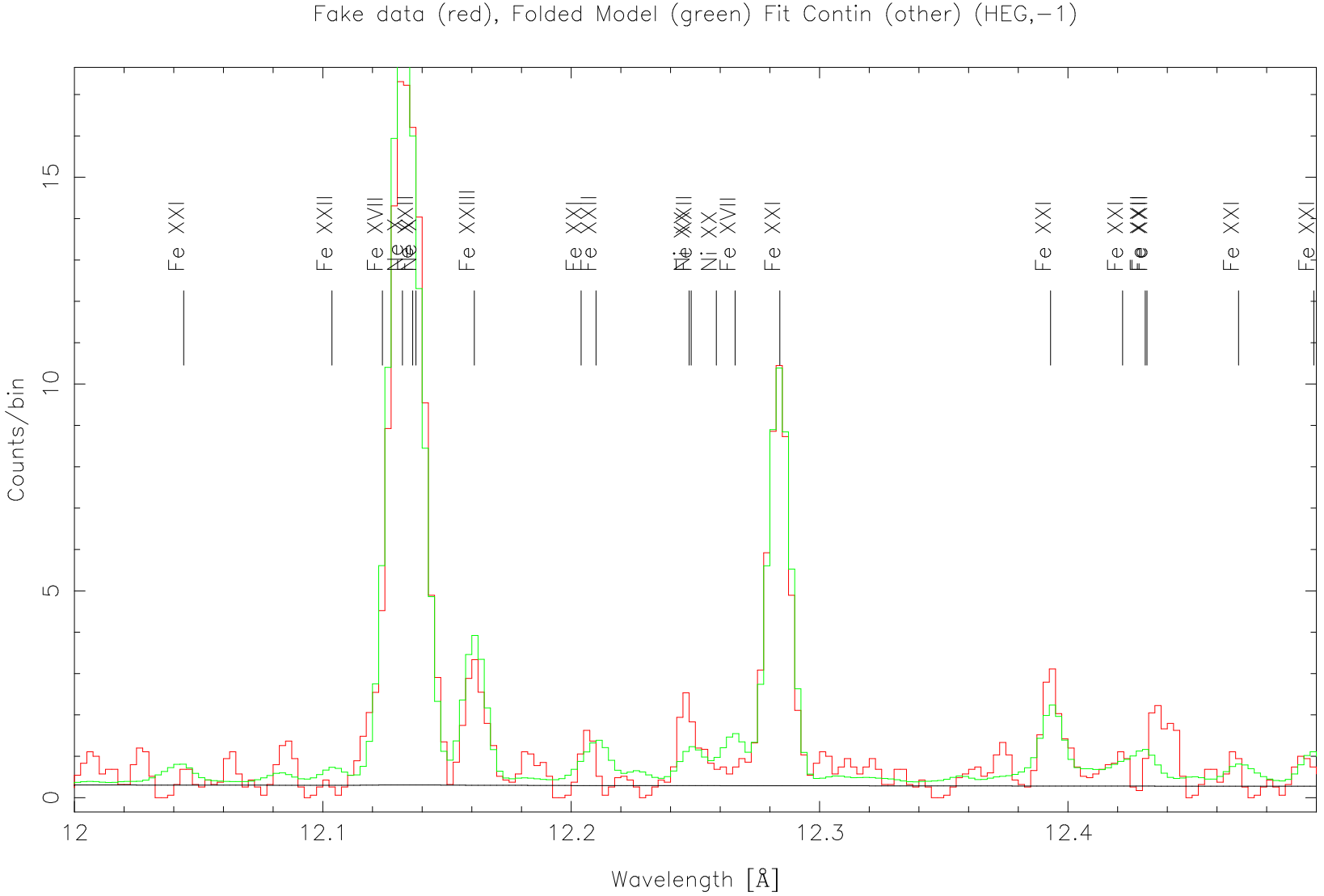

Fake data (red), Folded Model (green) Fit Contin (other) (MEG,+1)
Counts/bin
0
0.2
0.4
0.6
0.8
1
21.4
21.6
21.8
22
22.2
Wavelength [Å]
Fe XXIV
Fe XXIV
Ca XVI
O VII
Fe XXIV
Fe XXIV
O VII
Ca XVII
Fe XXIV

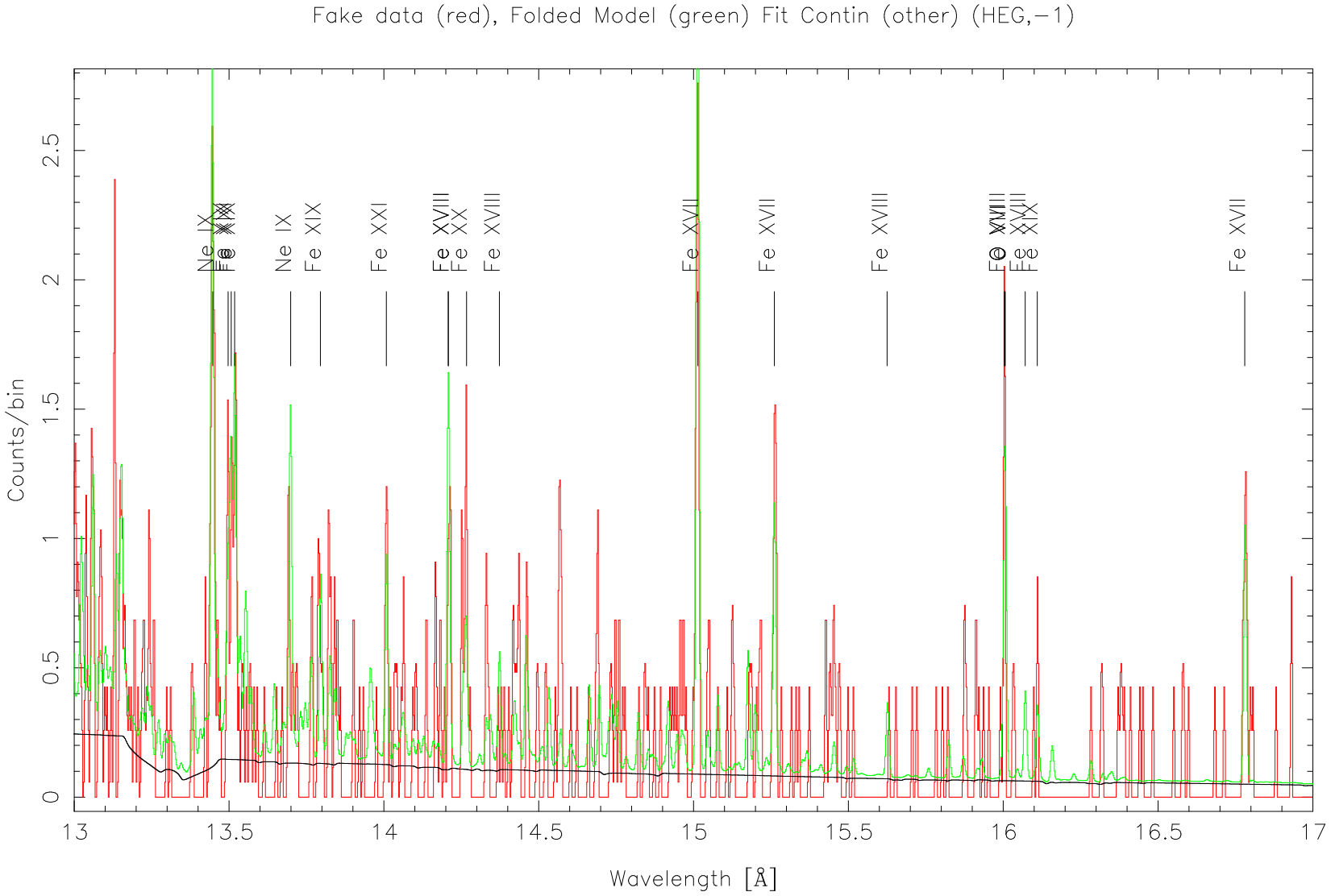

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,−1)
Counts/bin
0
1
2
3
4
Fe XXV
Ca XIX
Ar XVII
Ar XVIII
S XV
S XVI
Si XIV
2
2.5
3
3.5
4
4.5
5
Wavelength [Å]

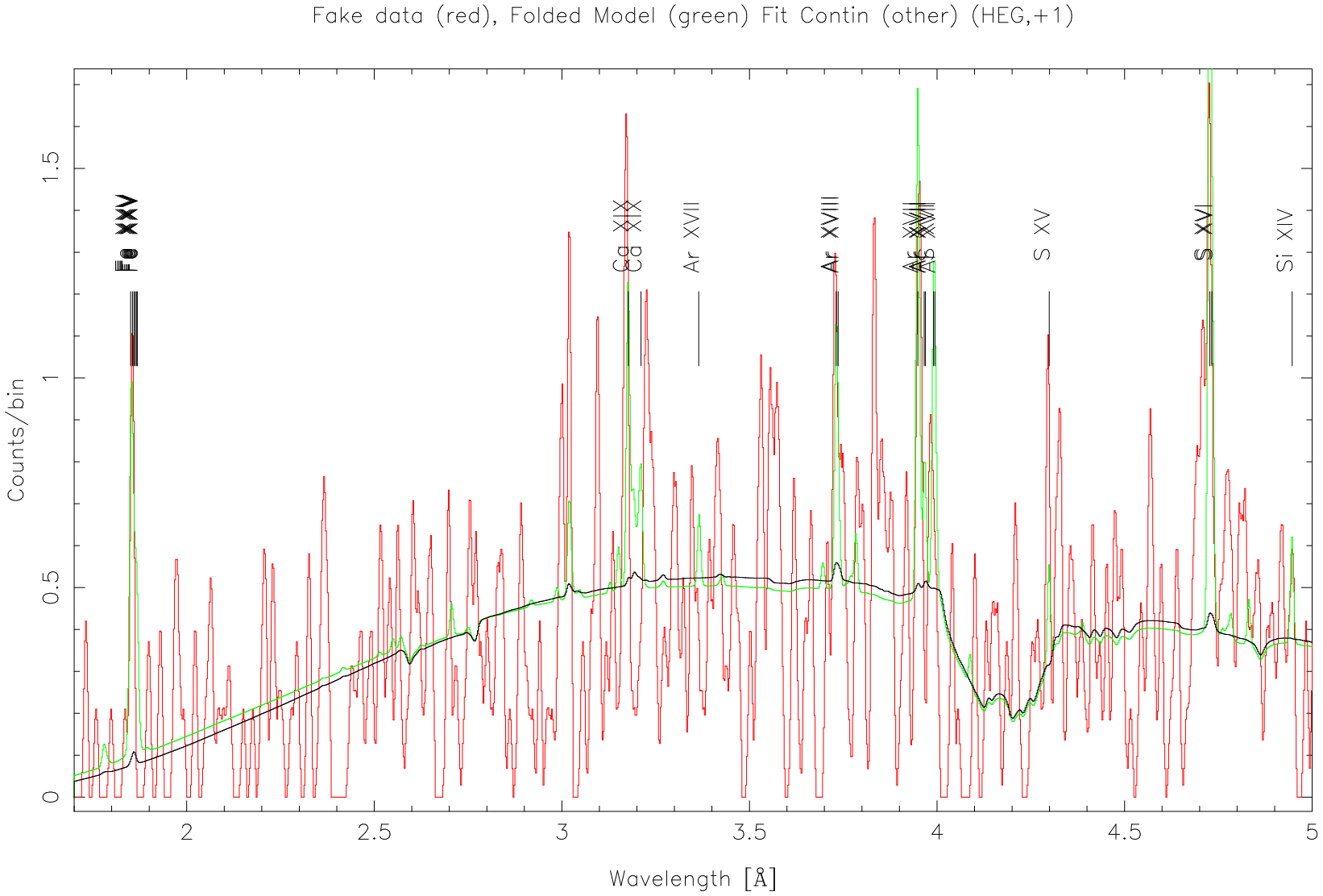

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,−1)
Counts/bin
0
5
10
15
5
5.5
6
6.5
7
7.5
8
8.5
9
Wavelength [Å]
S XV
S XV
Si XIV
Si XIII
Si XIV
Si XIII
Si XIII
Si XIII
Mg XII
Al XIII
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIV
Mg XII
Fe XXI
Fe XXIII
Fe XXII

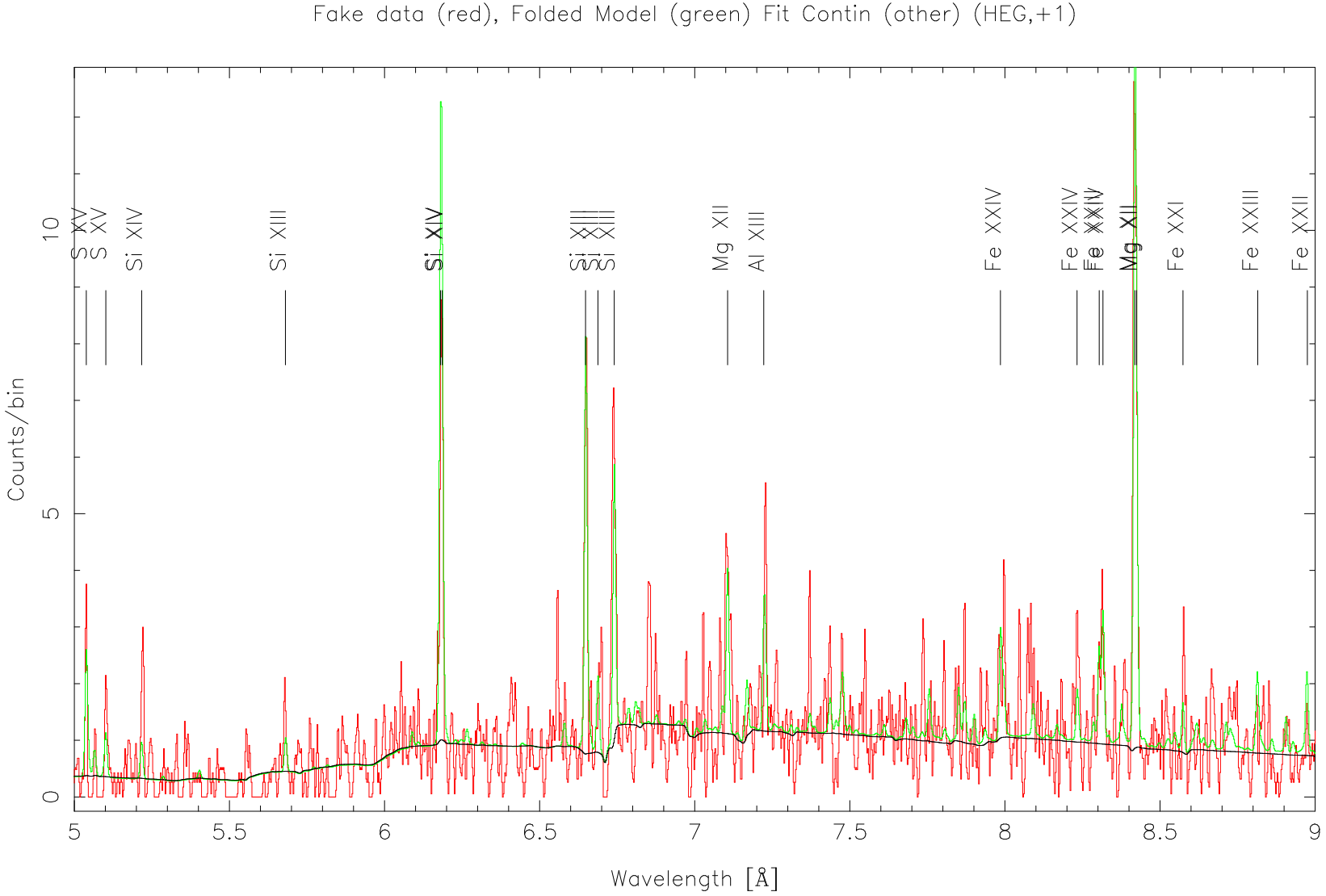

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,−1)
Counts/bin
0
5
10
15
9
9.5
10
10.5
11
11.5
12
12.5
13
Wavelength [Å]
Mg XI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
Ne X
Fe XXI
Fe XXI
Fe XXII

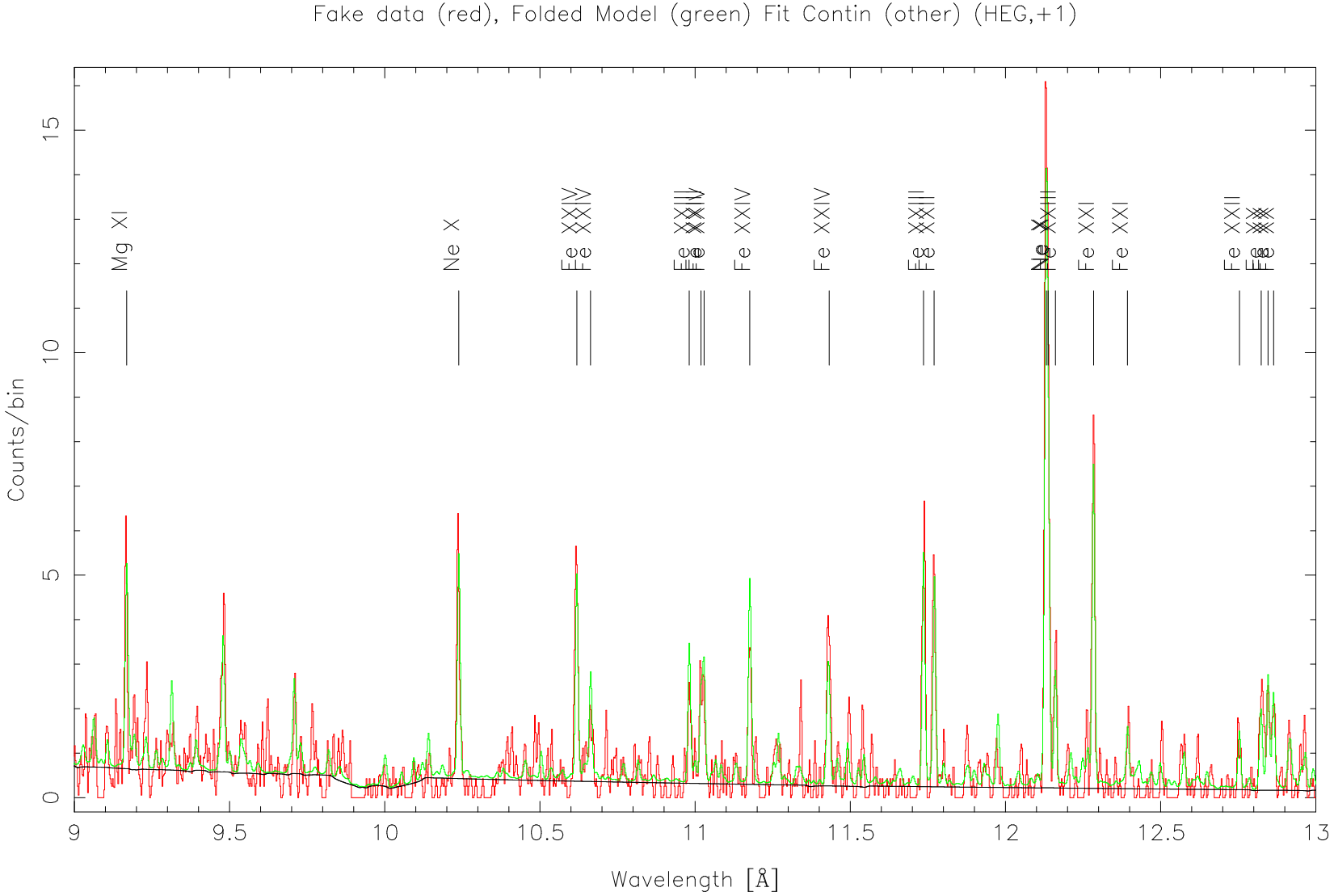

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,−1)
Counts/bin
Wavelength [Å]
0
1
2
3
4
9
9.2
9.4
9.6
9.8
Ni XXVI
Mg XI
Fe XXI
Mg XI
Fe XXII
Mg XI
Ni XXVI
Ni XXV
Ne X
Ni XXV
Ni XXVI
Fe XXI
Ne X
Ni XXVI
Fe XXI
Fe XXI

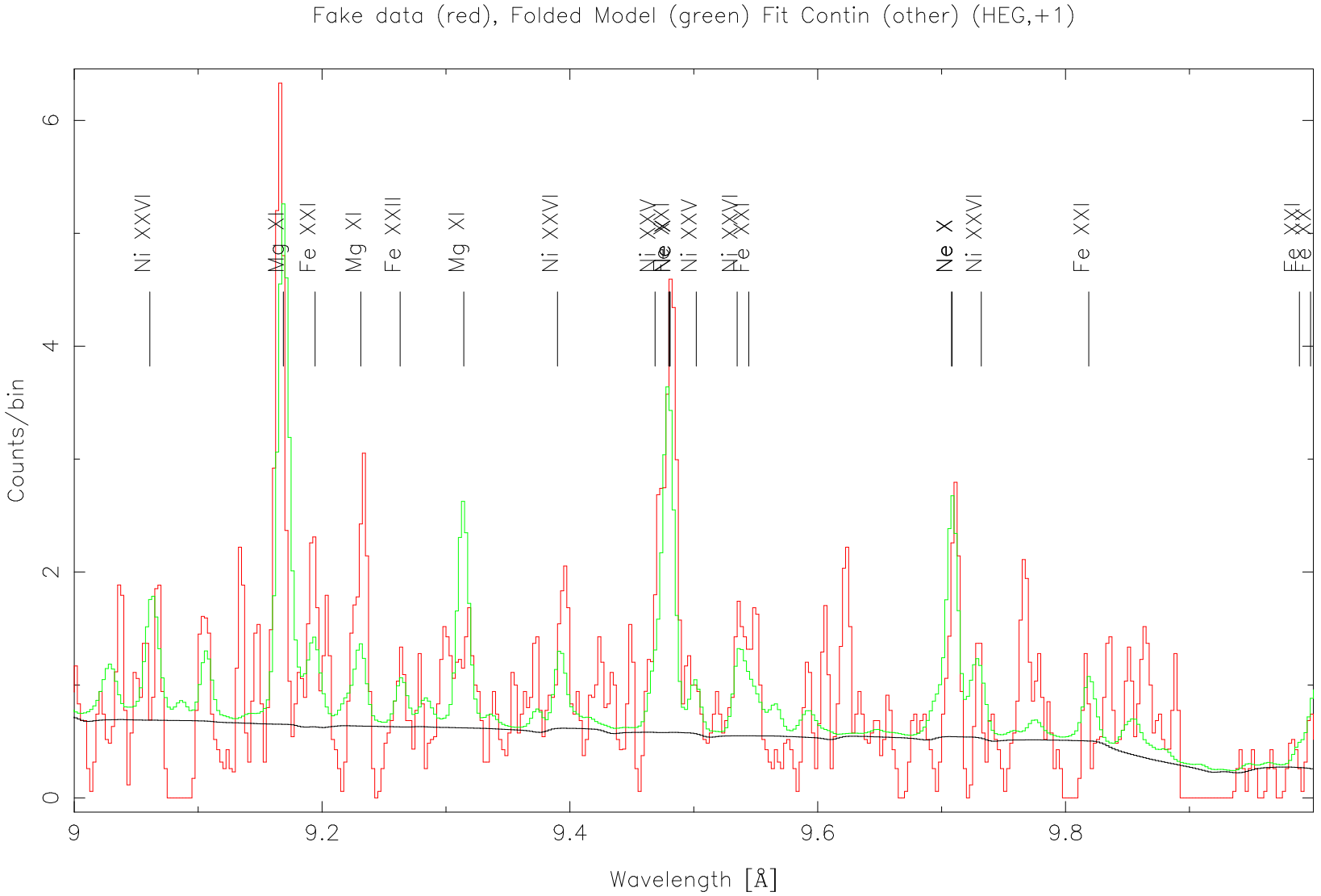

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,−1)
Counts/bin
0
5
10
15
12
12.1
12.2
12.3
12.4
Wavelength [Å]
Fe XXI
Fe XXII
Fe XVII
Ne X
Ne X
Ne X
Fe XXIII
Fe XXII
Fe XXII
Ni XX
Ni XX
Ni XX
Fe XVII
Fe XXI
Fe XXI
Fe XXII
Fe XXI
Fe XXI

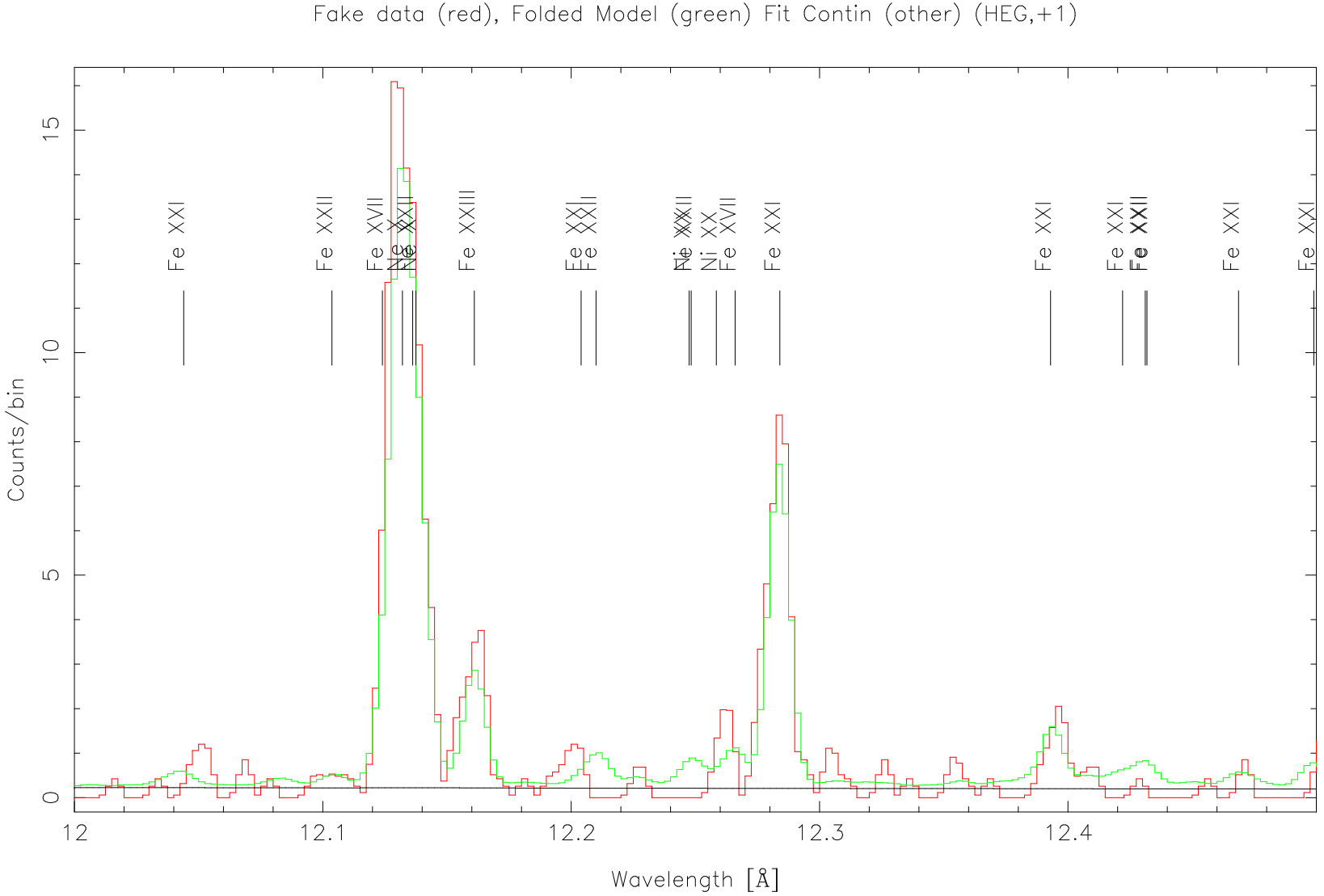

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,−1)
Counts/bin
0
0.5
1
1.5
2
2.5
13
13.5
14
14.5
15
15.5
16
16.5
17
Wavelength [Å]
Ne IX
Ne IX
Fe XIX
Fe XXI
Fe XVIII
Fe XX
Fe XVIII
Fe XVII
Fe XVII
Fe XVIII
Fe XVII
Fe XIX
Fe XVII

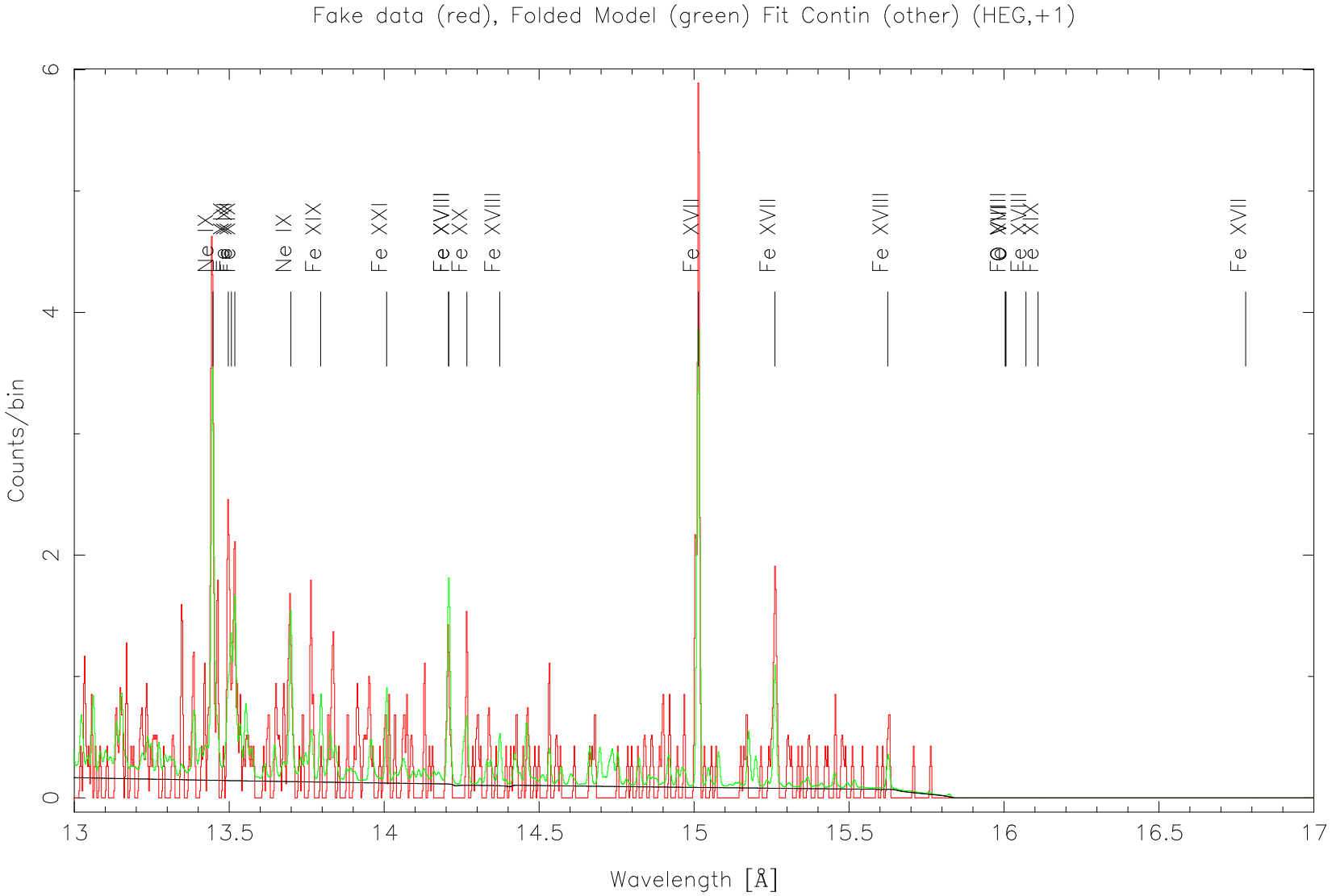

Fake data (red), Folded Model (green) Fit Contin (other) (HEG,+1)
Counts/bin
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Wavelength [Å]
Fe XXV
Ca XIX
Ca XIX
Ar XVII
Ar XVIII
Ar XVII
Ar XVII
S XV
S XVI
Si XIV


Fake data (red), Folded Model (green) Fit Contin (other) (HEG,+1)
Counts/bin
0
5
10
5
5.5
6
6.5
7
7.5
8
8.5
9
Wavelength [Å]
S XV
S XV
Si XIV
Si XIII
Si XIV
Si XIII
Si XIII
Si XIII
Mg XII
Al XIII
Fe XXIV
Fe XXIV
Mg XII
Fe XXI
Fe XXIII
Fe XXII


Fake data (red), Folded Model (green) Fit Contin (other) (HEG,+1)
Counts/bin
0
5
10
15
9
9.5
10
10.5
11
11.5
12
12.5
13
Wavelength [Å]
Mg XI
Ne X
Fe XXIV
Fe XXIV
Fe XXIV
Fe XXIII
Fe XXI
Fe XXI
Fe XXII


Fake data (red), Folded Model (green) Fit Contin (other) (HEG,+1)
Counts/bin
Wavelength [Å]
0
2
4
6
9
9.2
9.4
9.6
9.8
Ni XXVI
Mg XI
Fe XXI
Mg XI
Fe XXII
Mg XI
Ni XXVI
Ni XXV
Ne X
Ni XXV
Ni XXVI
Fe XXI
Ne X
Ni XXVI
Fe XXI
Fe XXI


Fake data (red), Folded Model (green) Fit Contin (other) (HEG,+1)
Counts/bin
0
5
10
15
12
12.1
12.2
12.3
12.4
Wavelength [Å]
Fe XXI
Fe XXII
Fe XVII
Ne X
Fe XXIII
Fe XXII
Ni XX
Fe XVII
Fe XXI


Fake data (red), Folded Model (green) Fit Contin (other) (HEG,+1)
Counts/bin
Wavelength [Å]
0
2
4
6
13
13.5
14
14.5
15
15.5
16
16.5
17
Ne IX
Ne IX
Fe XIX
Fe XXI
Fe XVIII
Fe XX
Fe XVIII
Fe XVII
Fe XVII
Fe XVIII
Fe XVII
Fe XIX
Fe XVII