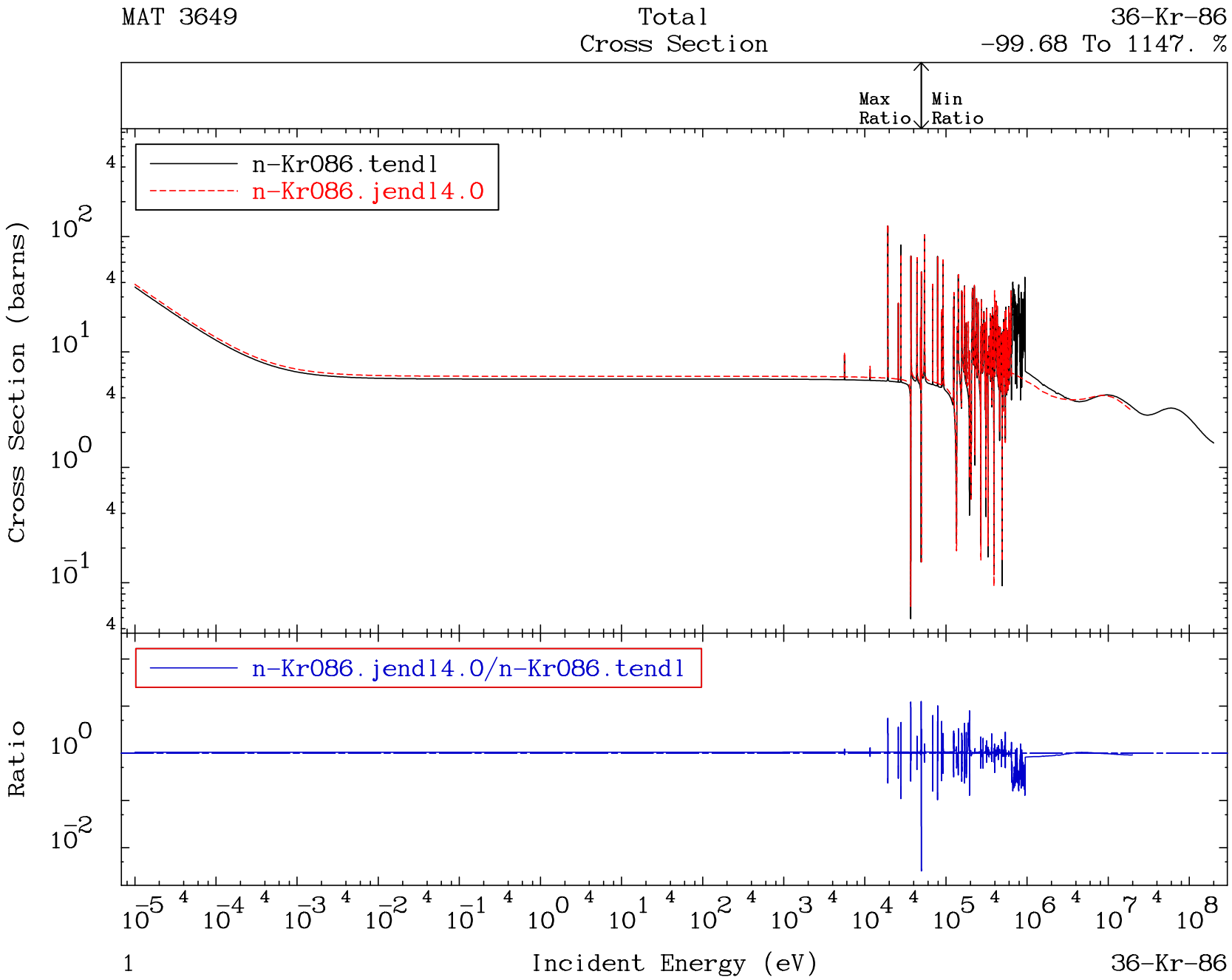
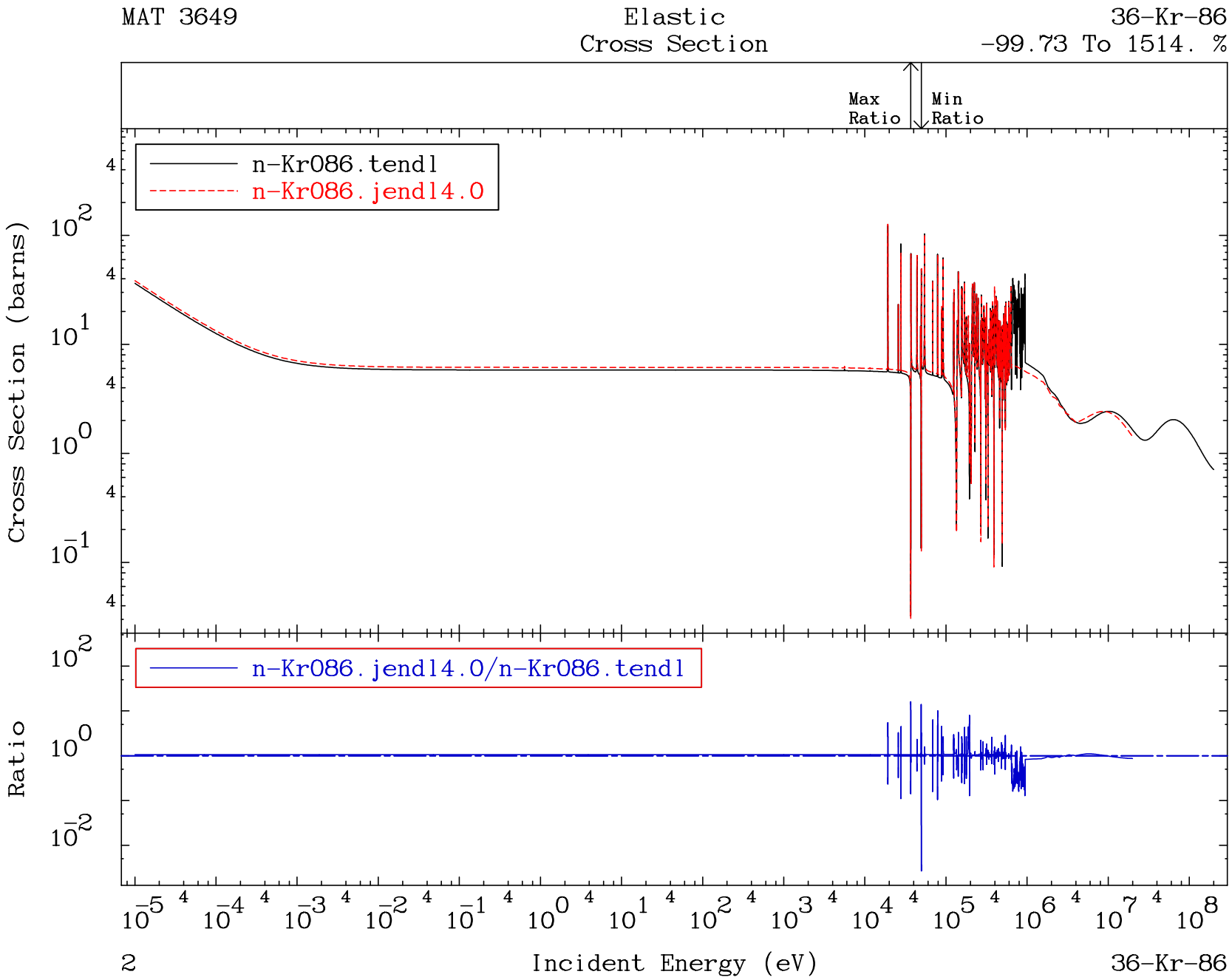
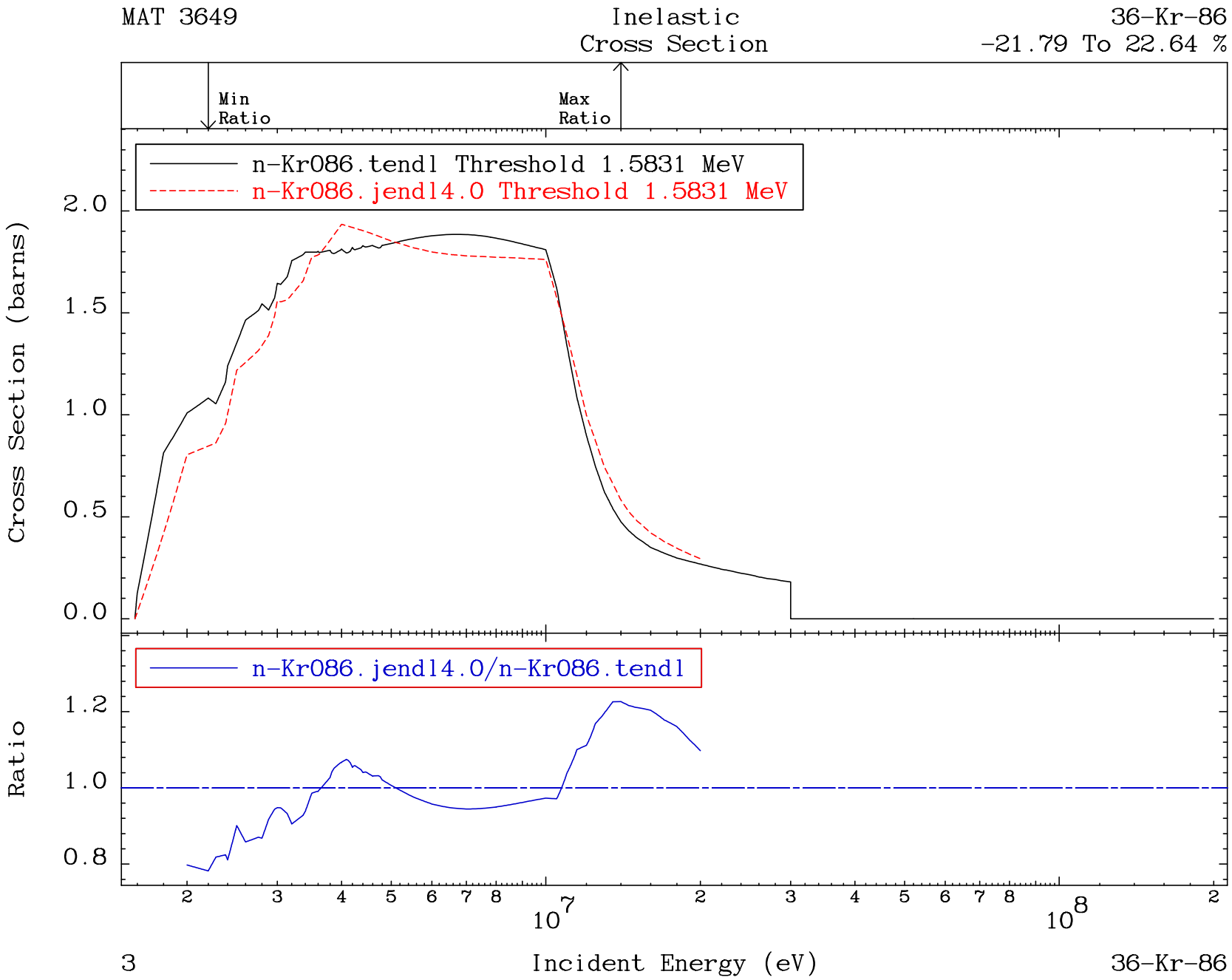
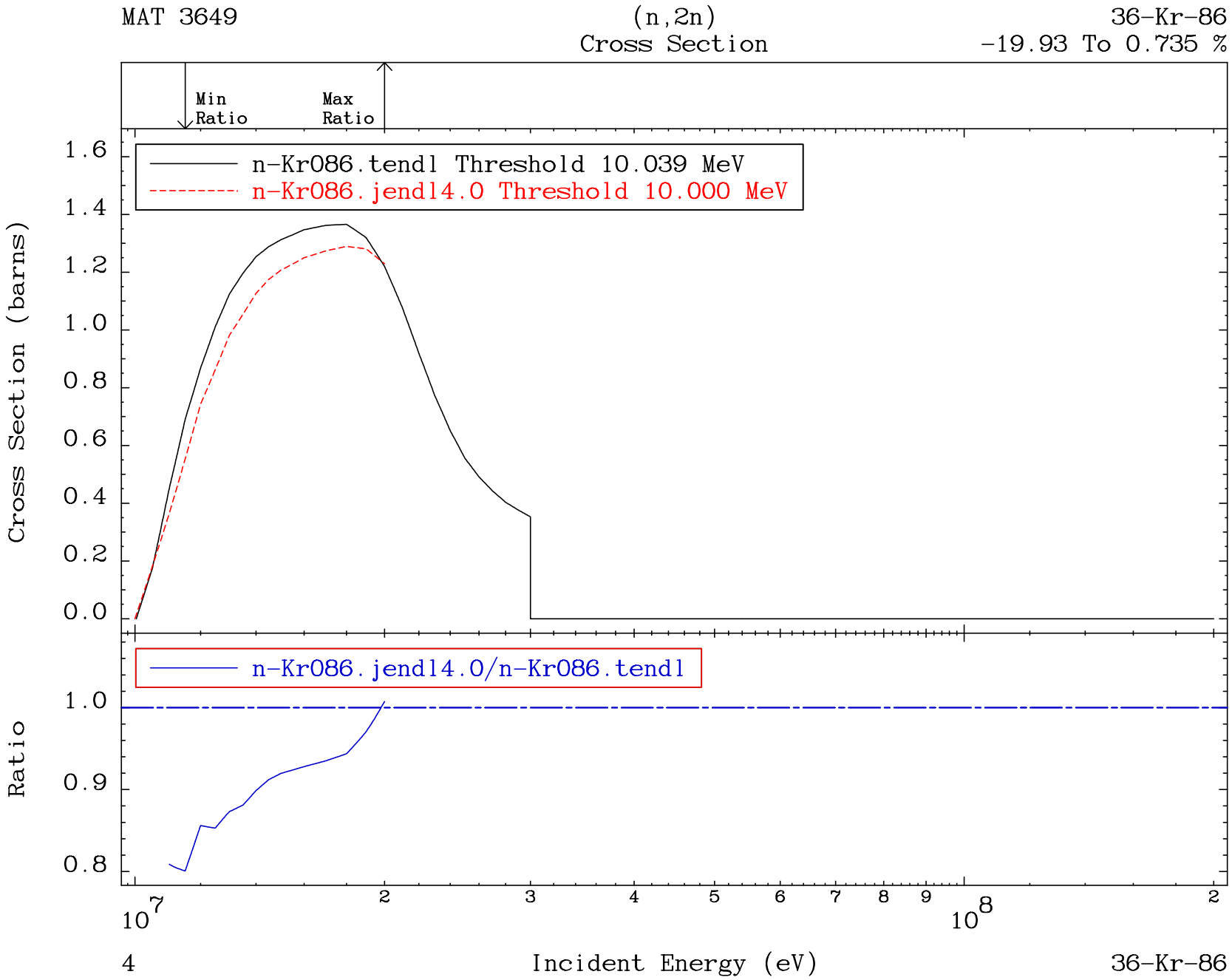
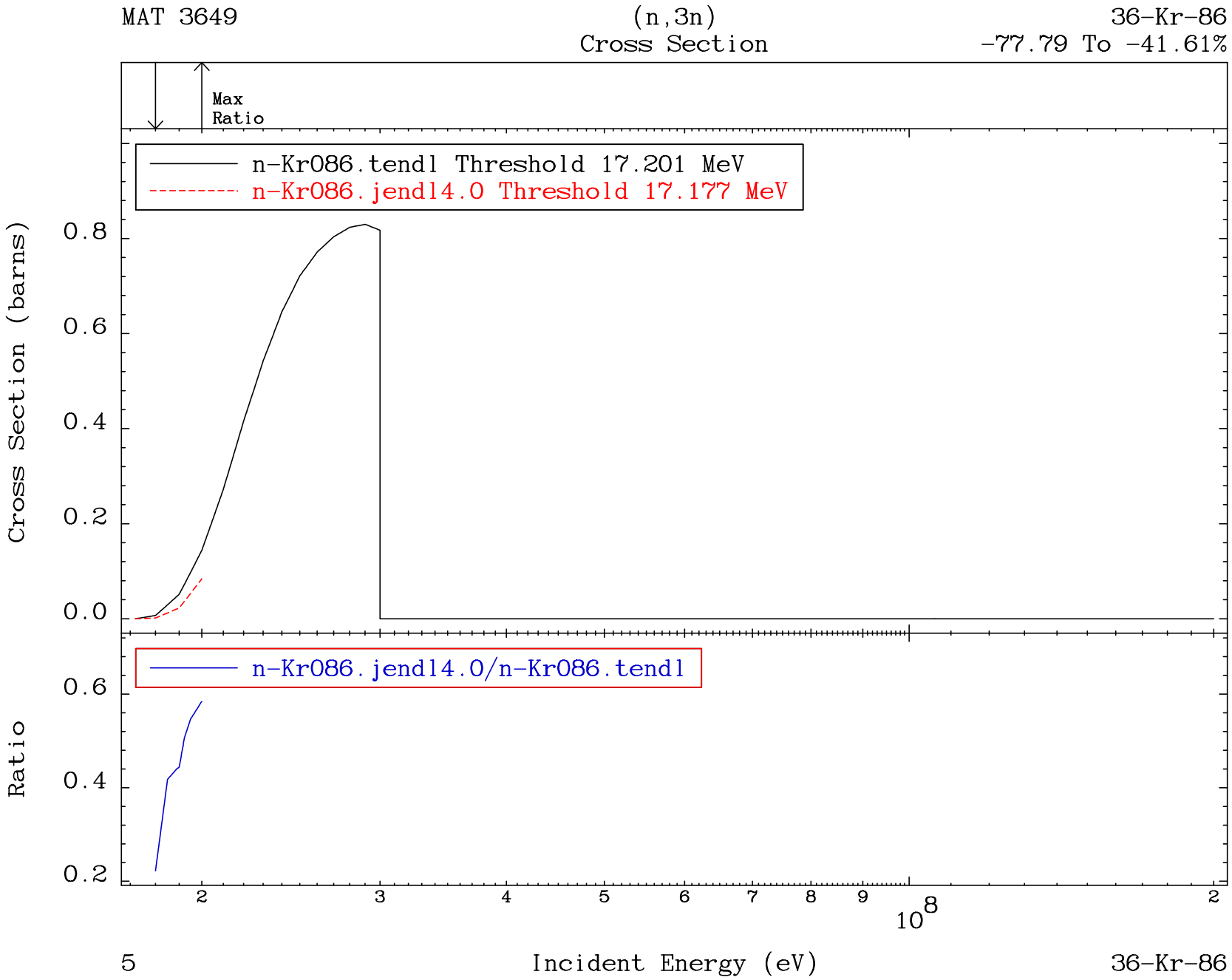
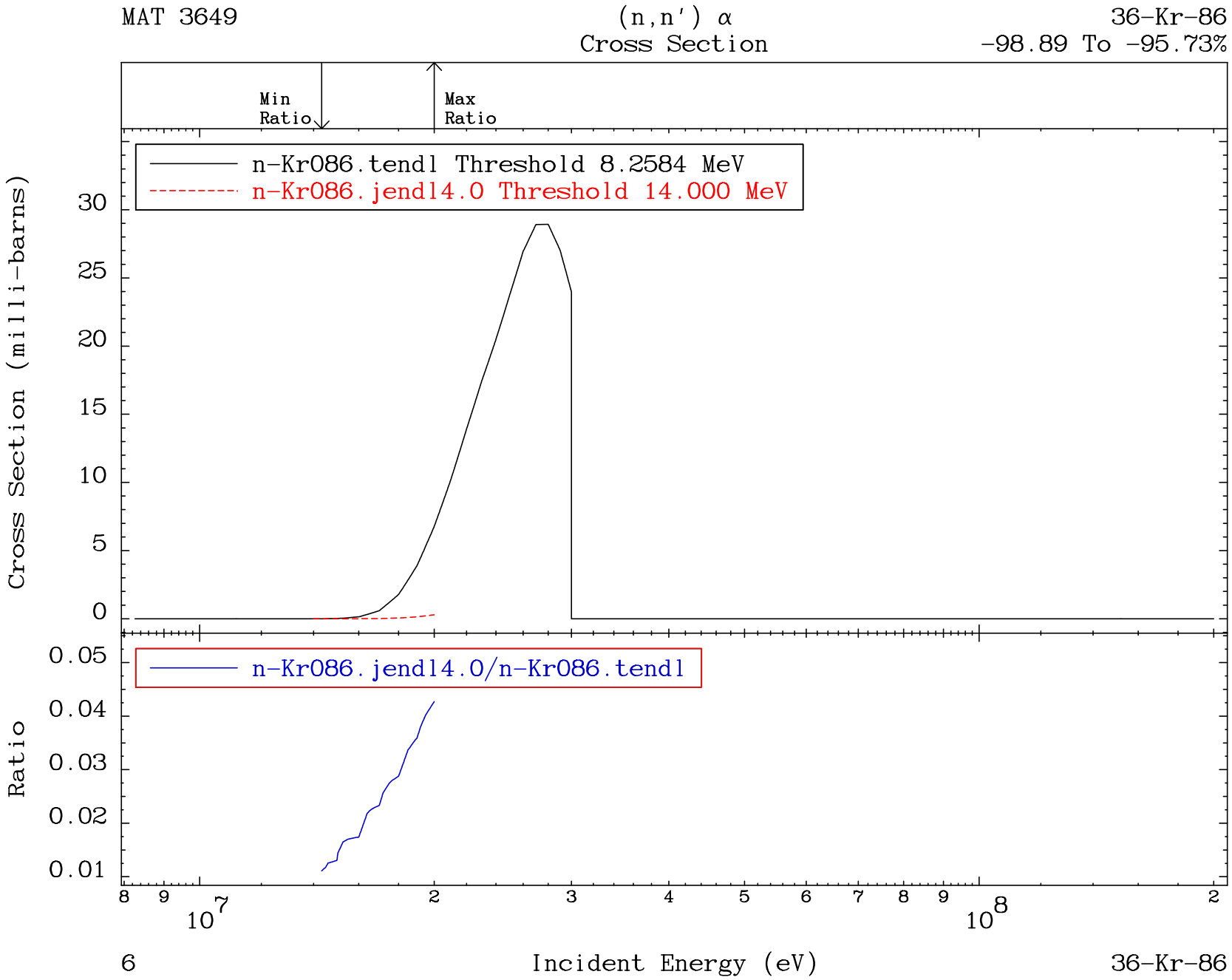

MAT 3649
Total
Cross Section
36-Kr-86
-99.68 To 1147. %
Max Ratio
Min Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
1
36-Kr-86

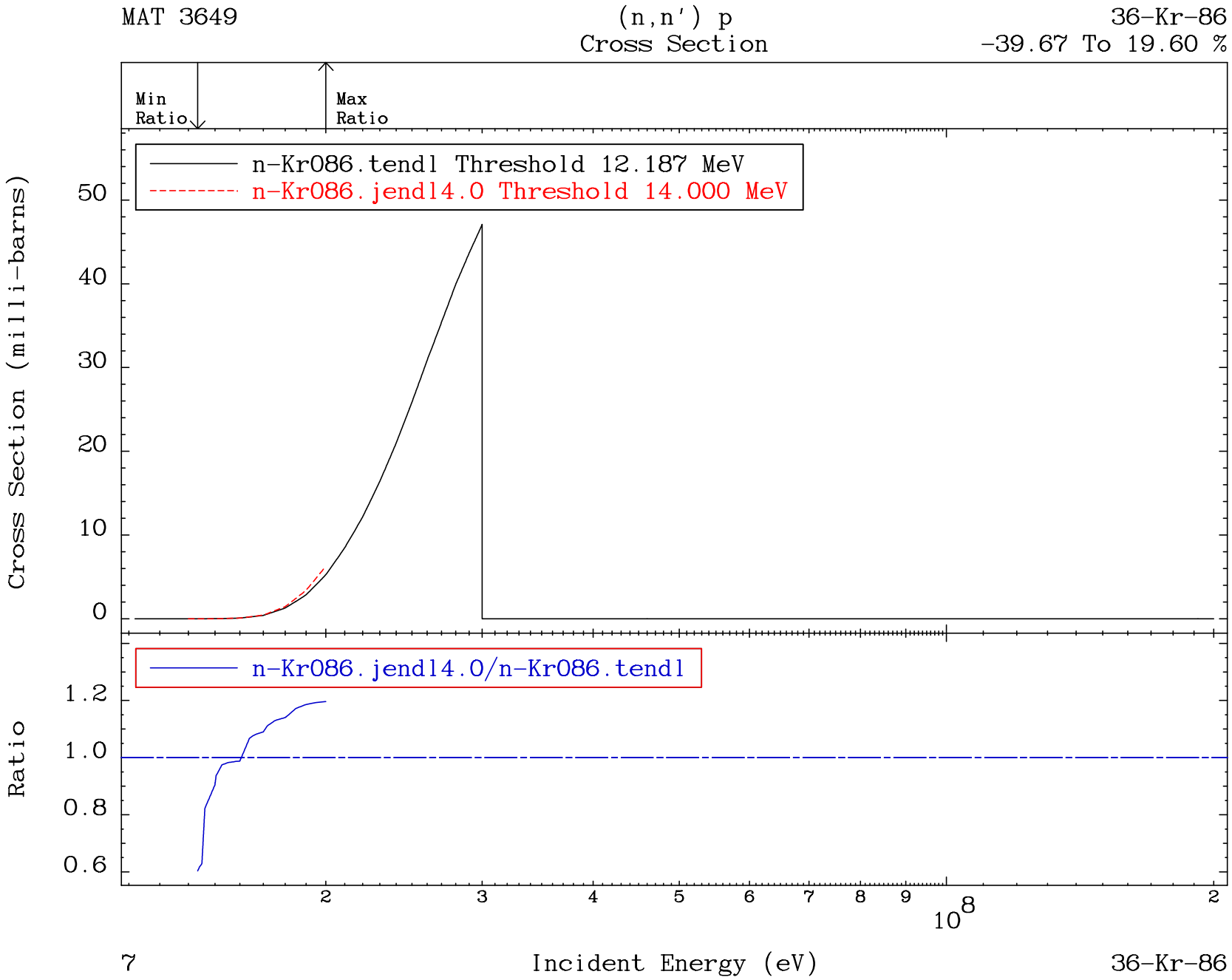

MAT 3649
Elastic
Cross Section
36-Kr-86
-99.73 To 1514. %
Max
Ratio
Min
Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
2
36-Kr-86

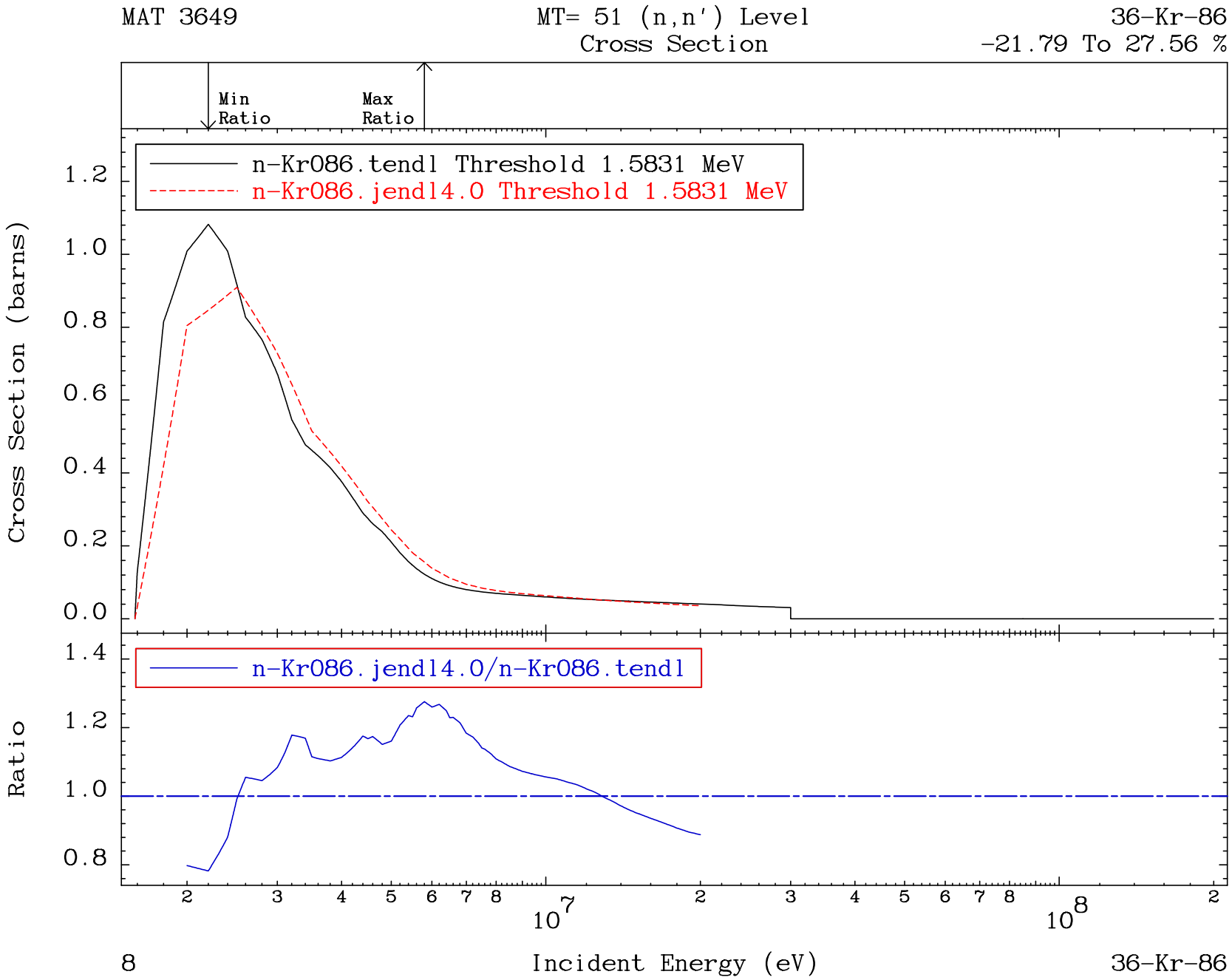

MAT 3649
Inelastic
Cross Section
36-Kr-86
-21.79 To 22.64 %
Min
Ratio
Max
Ratio
n-Kr086.tendl Threshold 1.5831 MeV
n-Kr086.jendl4.0 Threshold 1.5831 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
36-Kr-86

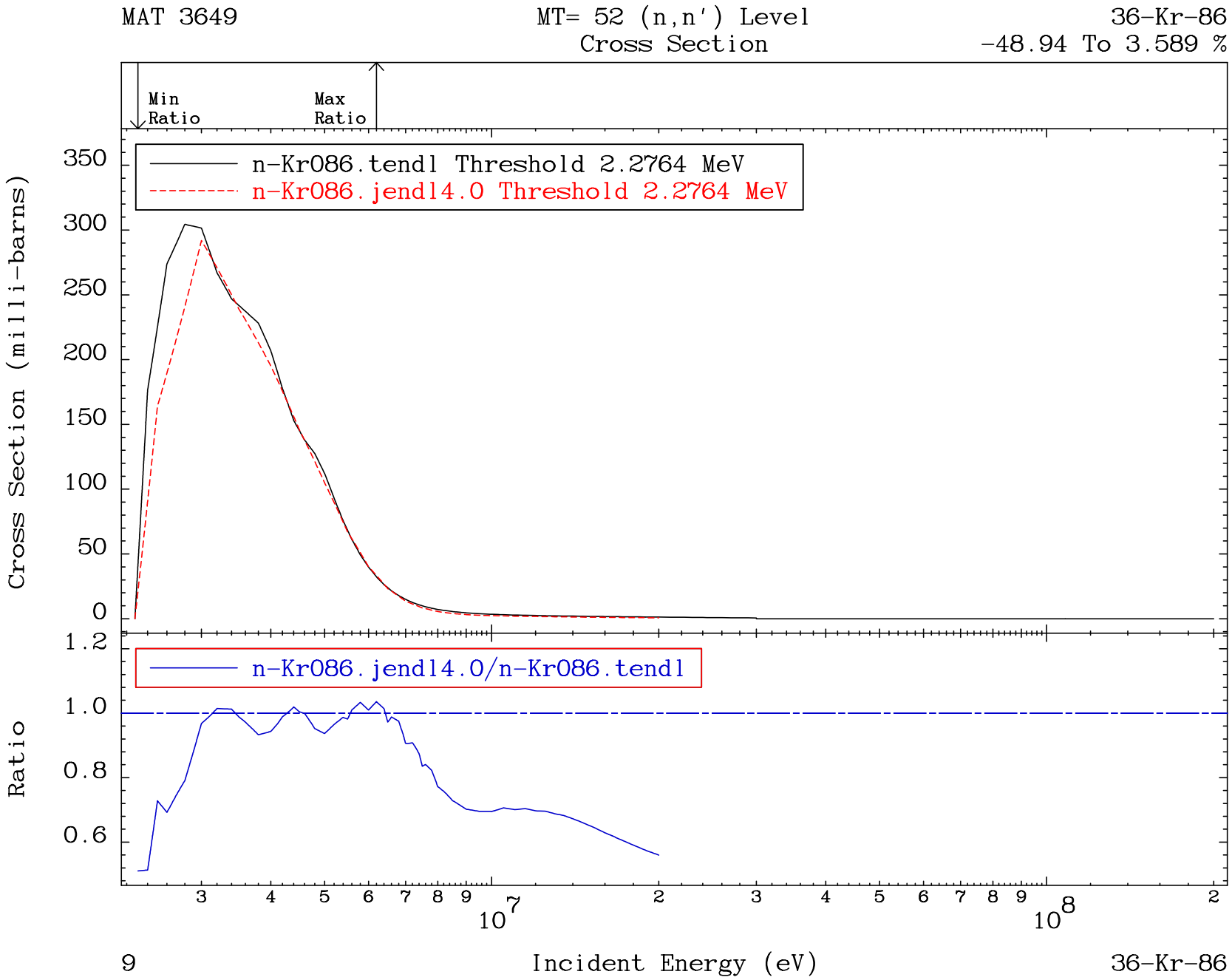

MAT 3649
(n,2n)
Cross Section
36-Kr-86
-19.93 To 0.735 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 10.039 MeV
n-Kr086.jendl4.0 Threshold 10.000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.0
0.9
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
36-Kr-86

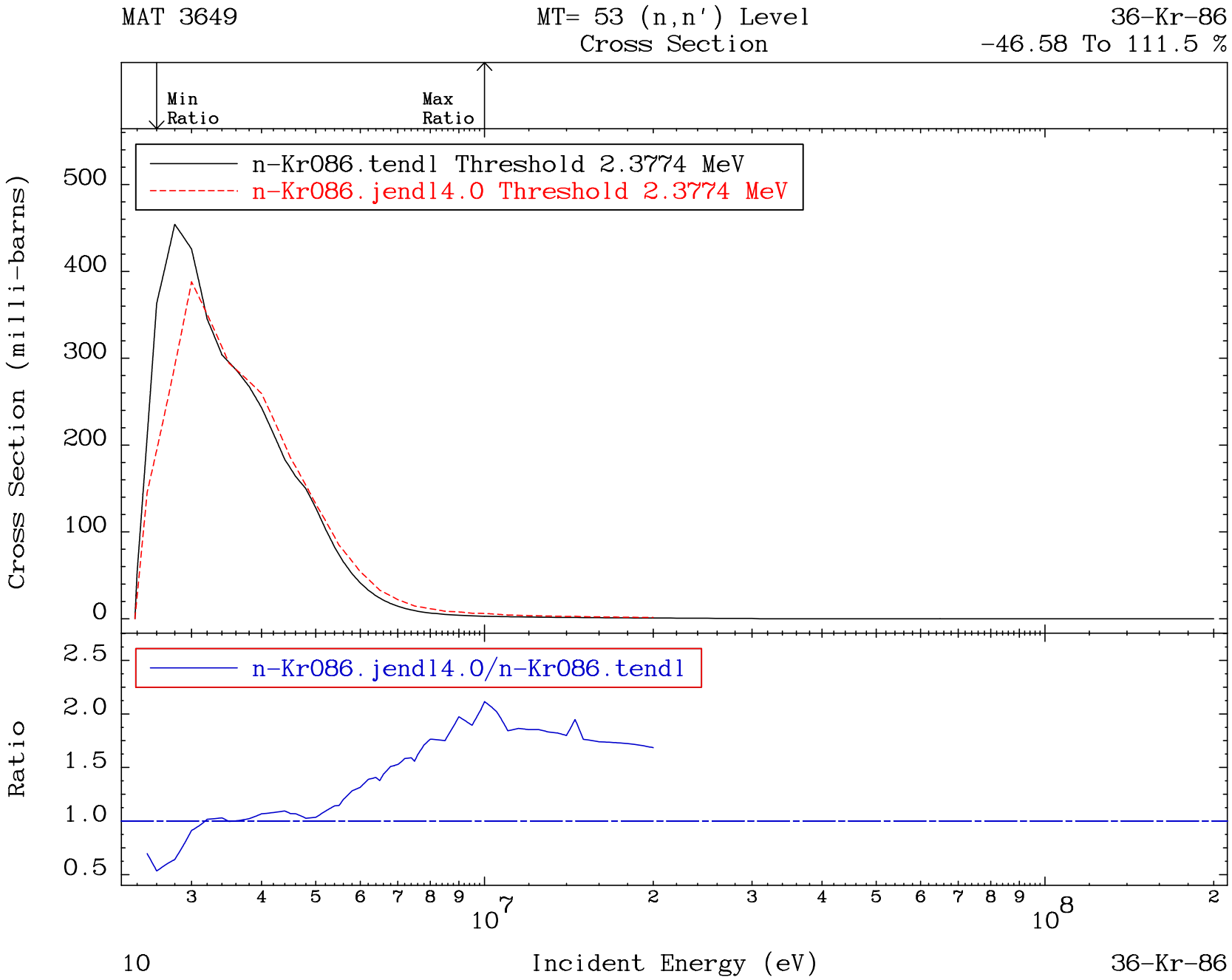

MAT 3649
(n,3n)
Cross Section
36-Kr-86
-77.79 To -41.61%
Max
Ratio
n-Kr086.tendl Threshold 17.201 MeV
n-Kr086.jendl4.0 Threshold 17.177 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
0.6
0.4
0.2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-86

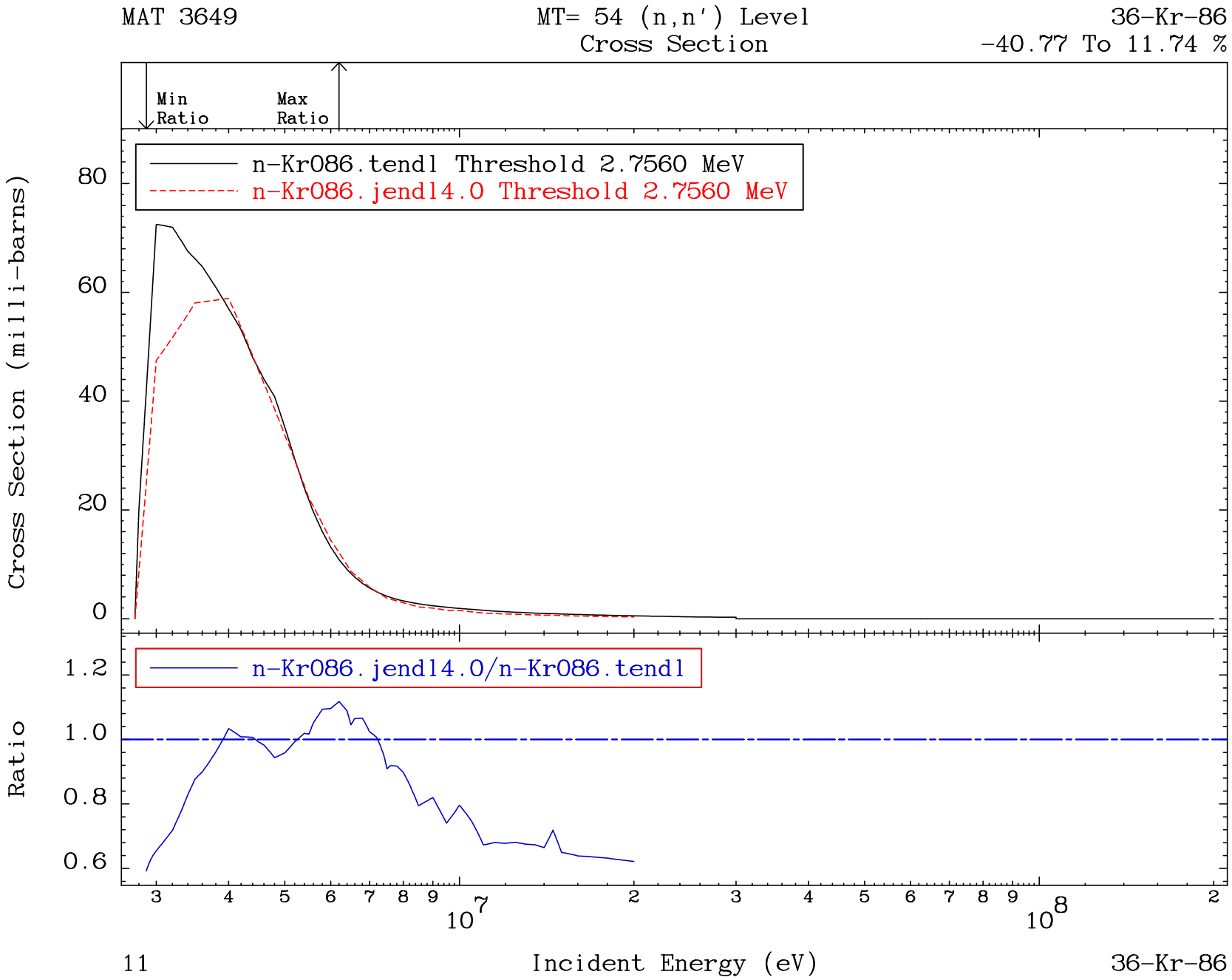

MAT 3649
(n,n') α
Cross Section
36-Kr-86
-98.89 To -95.73%
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 8.2584 MeV
n-Kr086.jendl4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
0.05
0.04
0.03
0.02
0.01
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
36-Kr-86

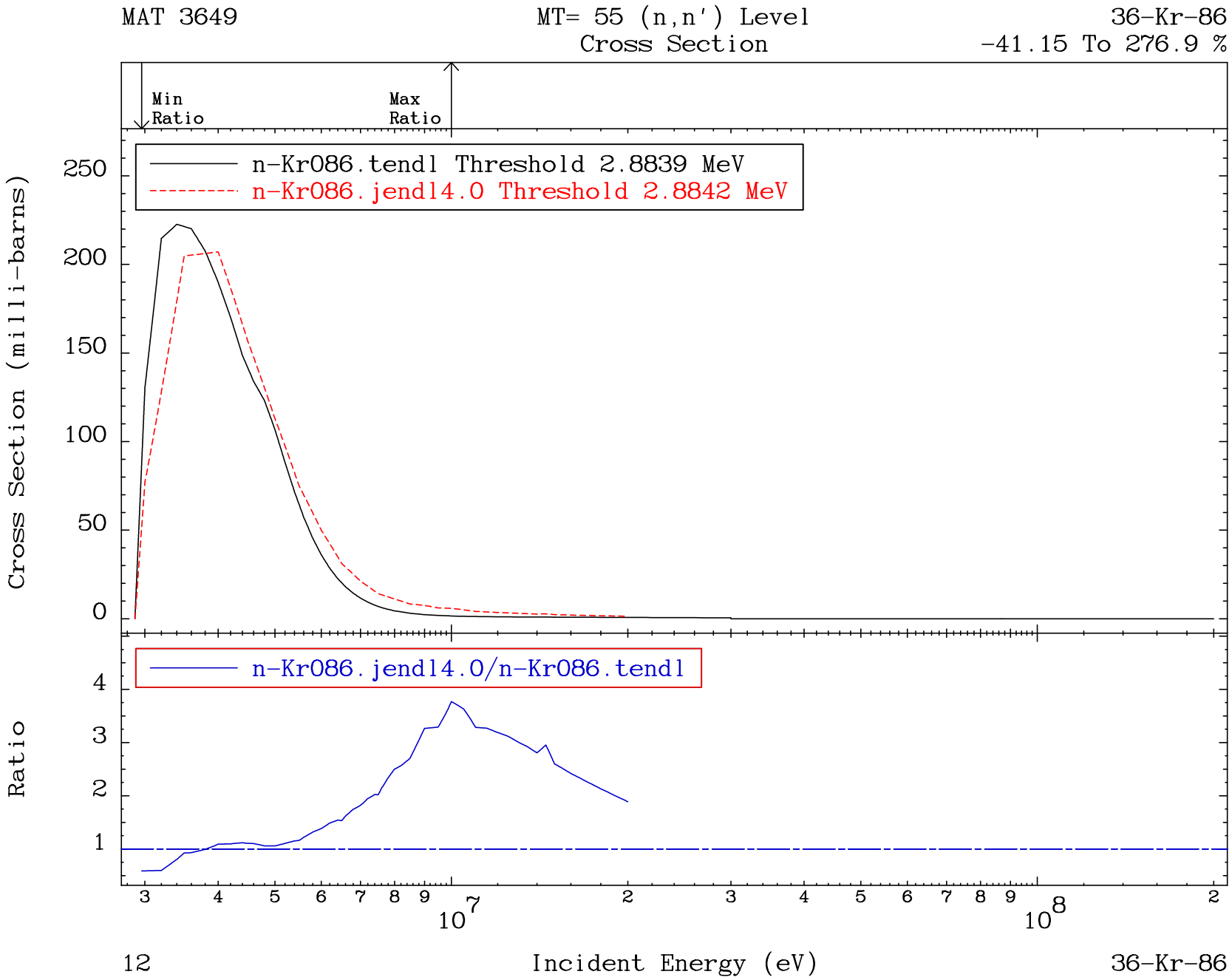

MAT 3649
(n,n') p
Cross Section
36-Kr-86
-39.67 To 19.60 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 12.187 MeV
n-Kr086.jendl4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
36-Kr-86

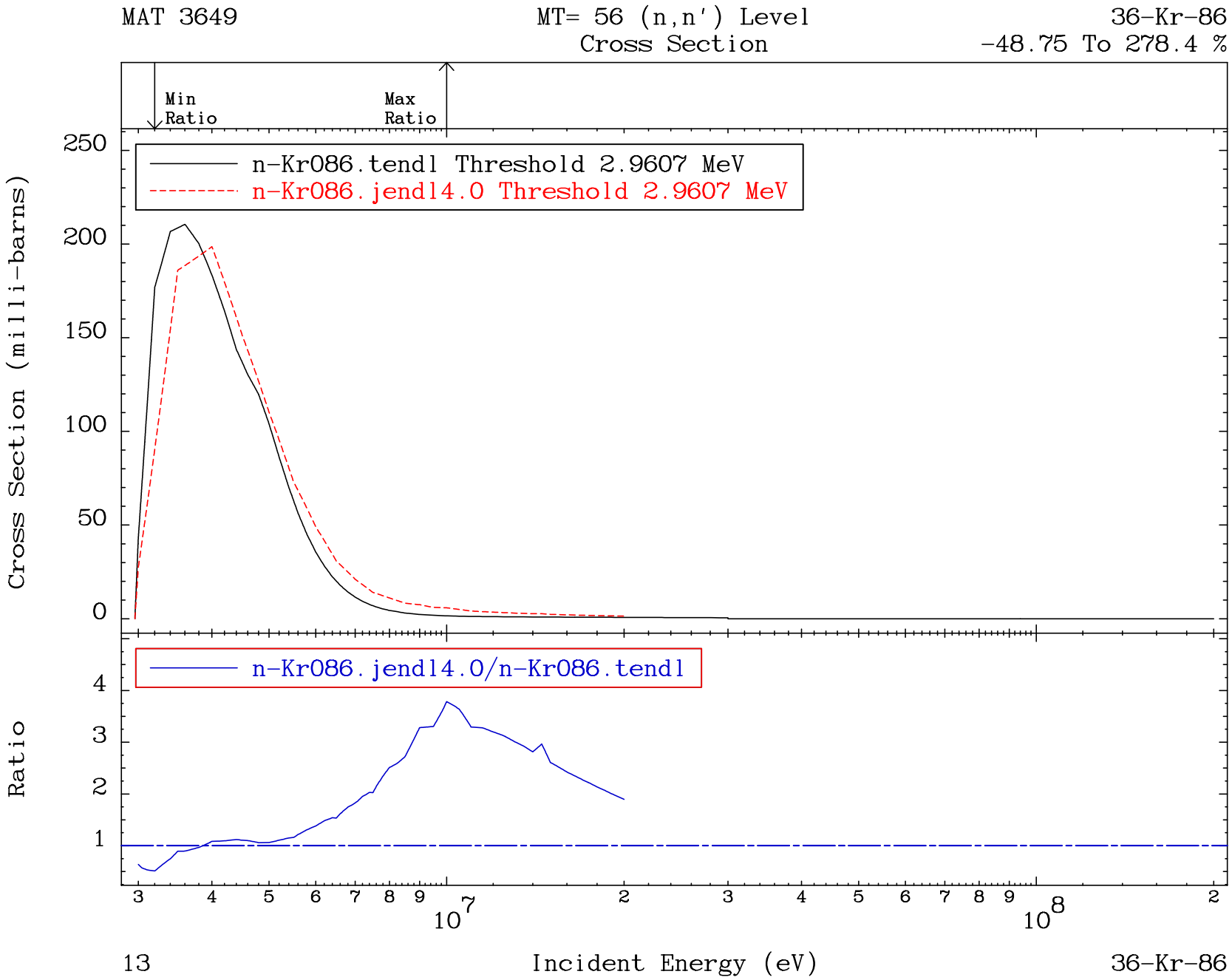

MAT 3649
MT= 51 (n,n') Level
Cross Section
36-Kr-86
-21.79 To 27.56 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 1.5831 MeV
n-Kr086.jendl4.0 Threshold 1.5831 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.4
1.2
1.0
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
8
Incident Energy (eV)
36-Kr-86

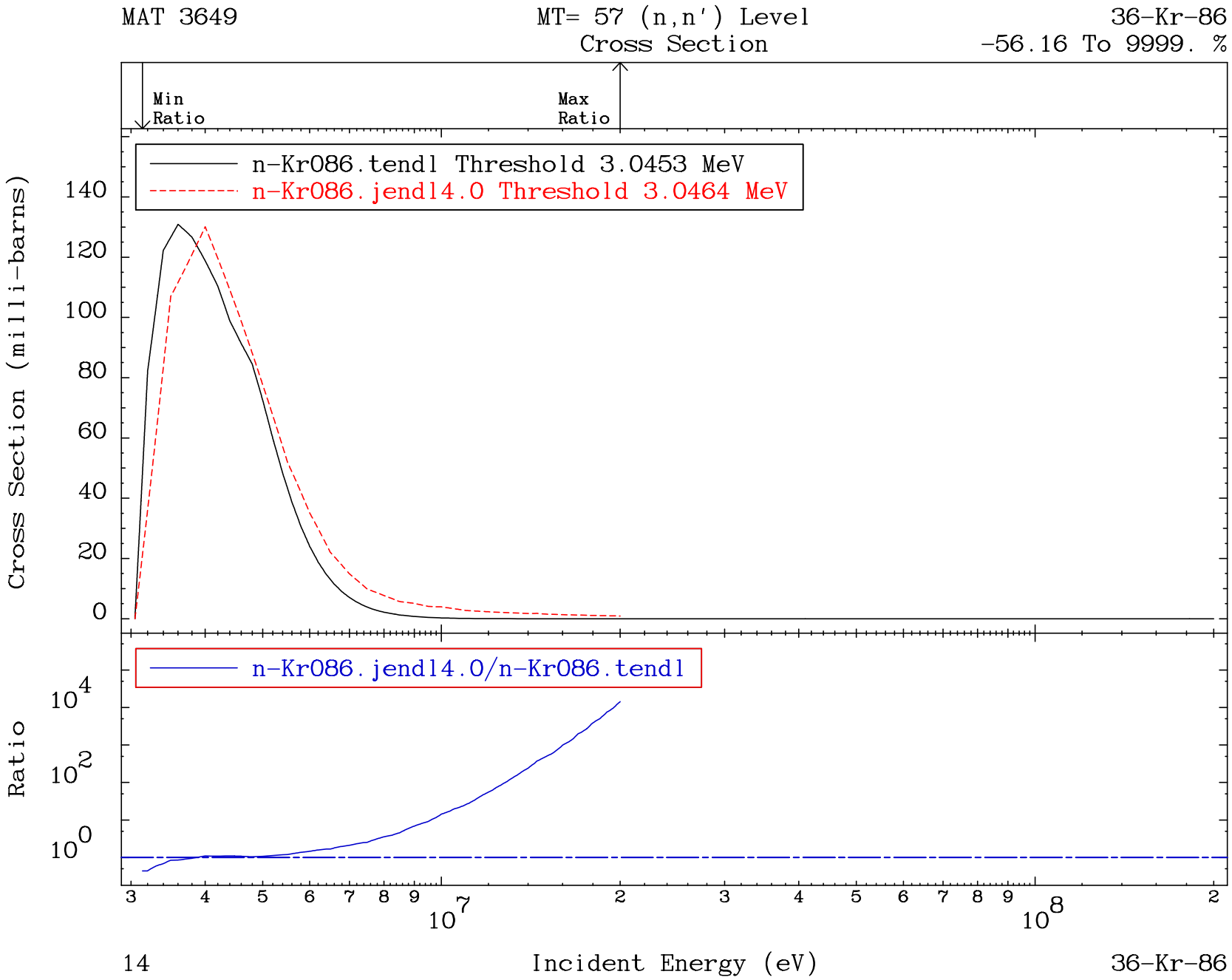

MAT 3649
MT= 52 (n,n') Level
Cross Section
36-Kr-86
-48.94 To 3.589 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.2764 MeV
n-Kr086.jendl4.0 Threshold 2.2764 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.2
1.0
0.8
0.6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
36-Kr-86

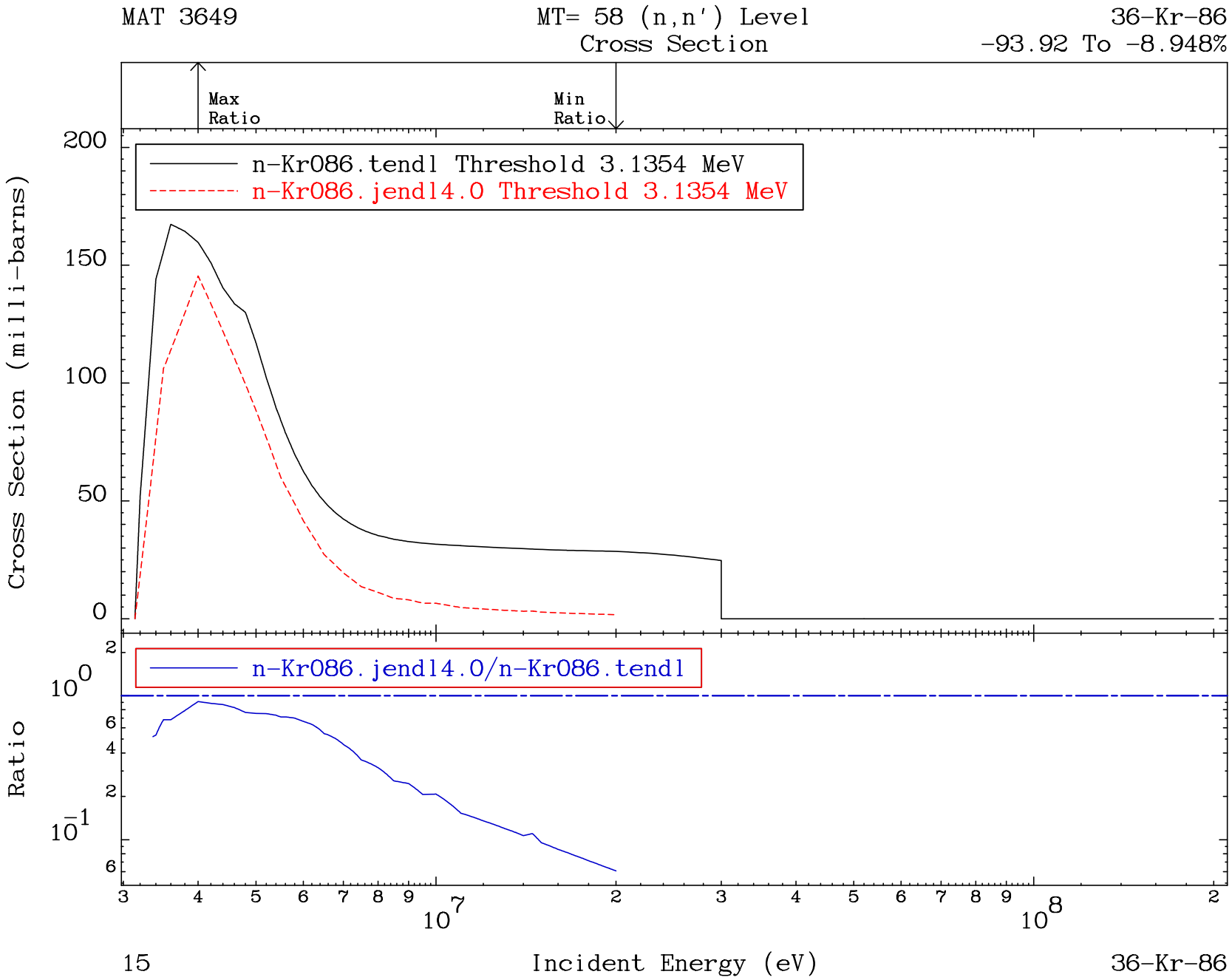

MAT 3649
MT= 53 (n,n') Level
Cross Section
36-Kr-86
-46.58 To 111.5 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.3774 MeV
n-Kr086.jendl4.0 Threshold 2.3774 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
2.5
2.0
1.5
1.0
0.5
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
36-Kr-86

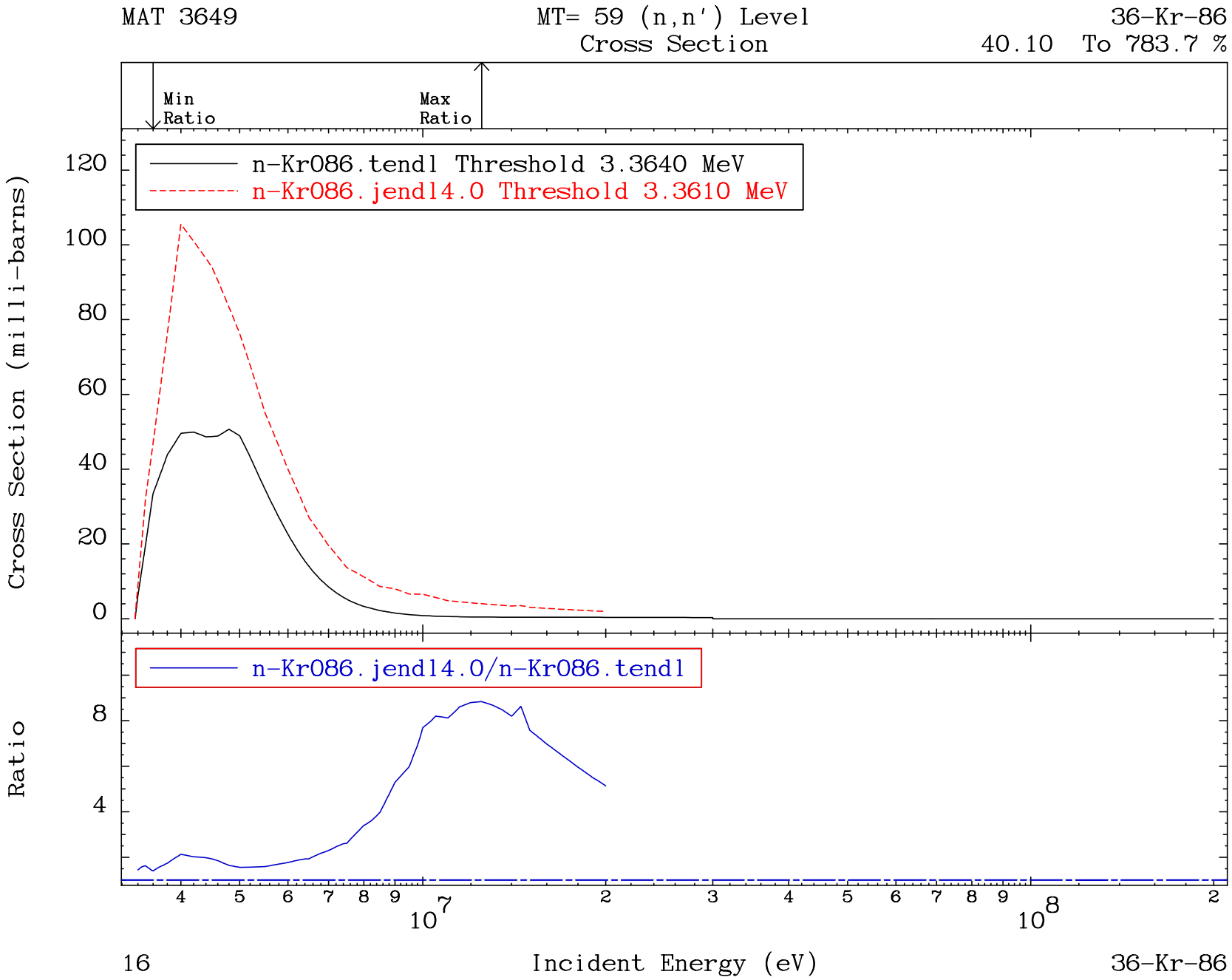

MAT 3649
MT= 54 (n,n') Level
Cross Section
36-Kr-86
-40.77 To 11.74 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.7560 MeV
n-Kr086.jendl4.0 Threshold 2.7560 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.2
1.0
0.8
0.6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
36-Kr-86

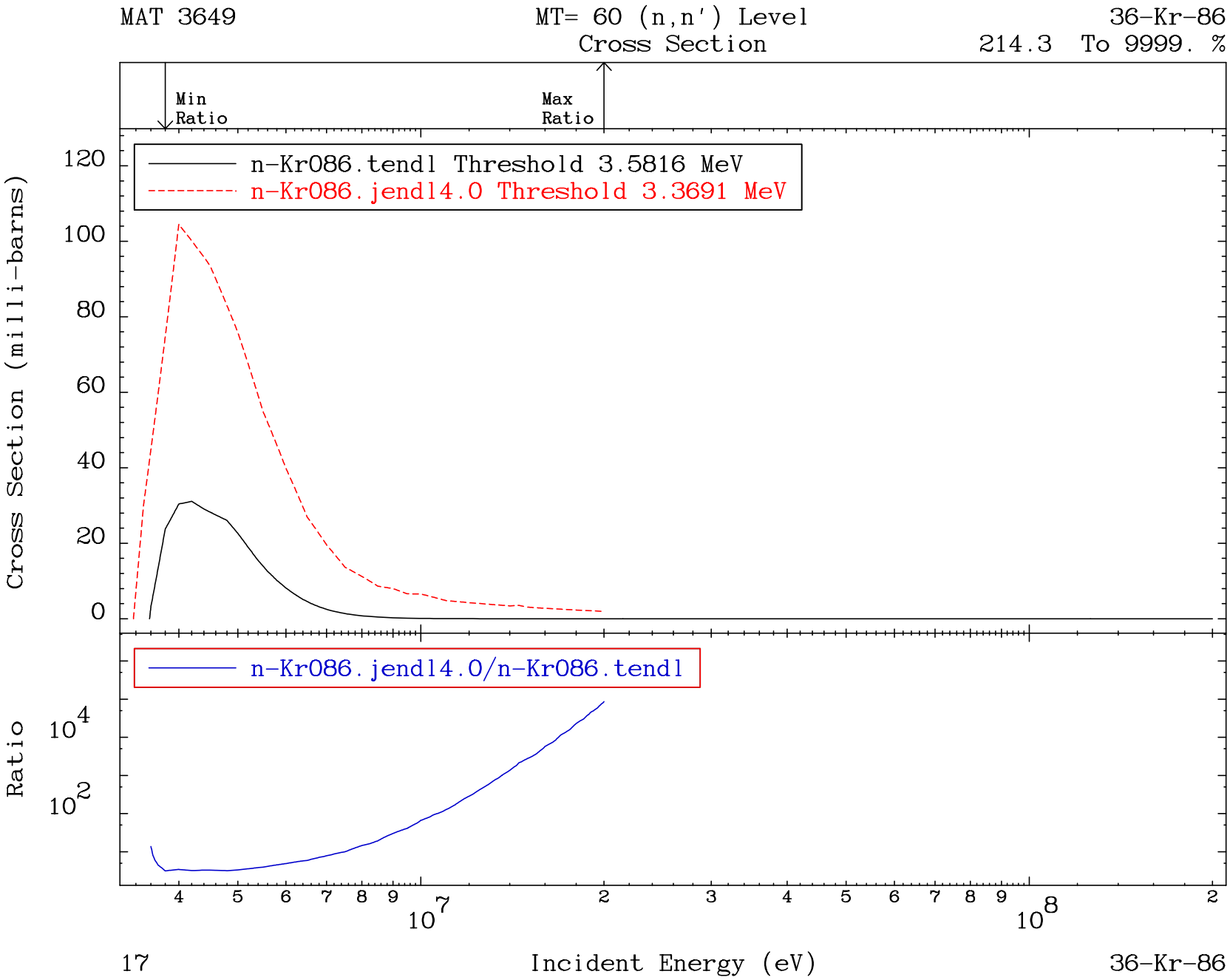

MAT 3649
MT= 55 (n,n') Level
Cross Section
36-Kr-86
-41.15 To 276.9 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.8839 MeV
n-Kr086.jendl4.0 Threshold 2.8842 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
4
3
2
1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
36-Kr-86

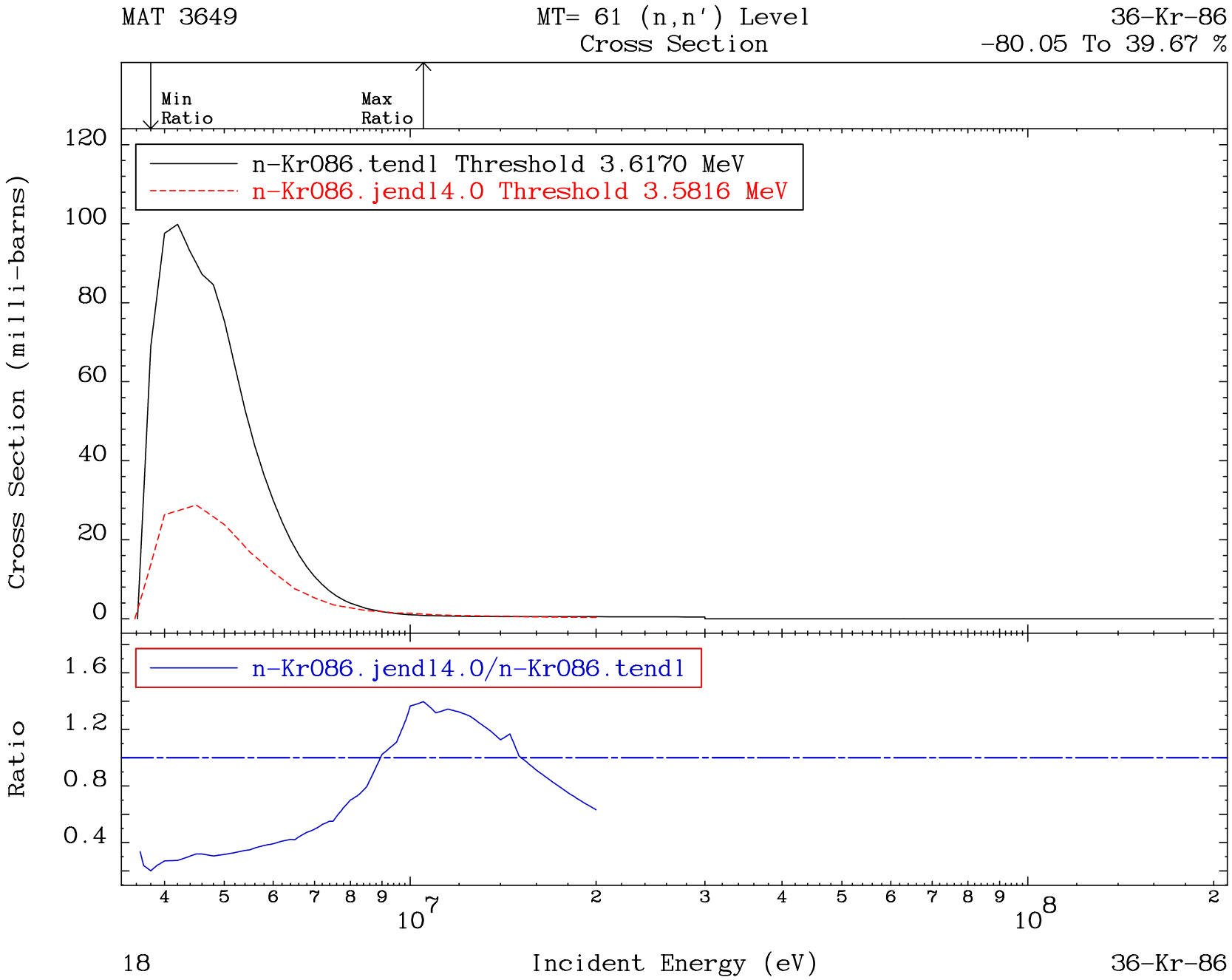

MAT 3649
MT= 56 (n,n') Level
Cross Section
36-Kr-86
-48.75 To 278.4 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.9607 MeV
n-Kr086.jendl4.0 Threshold 2.9607 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
4
3
2
1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
36-Kr-86

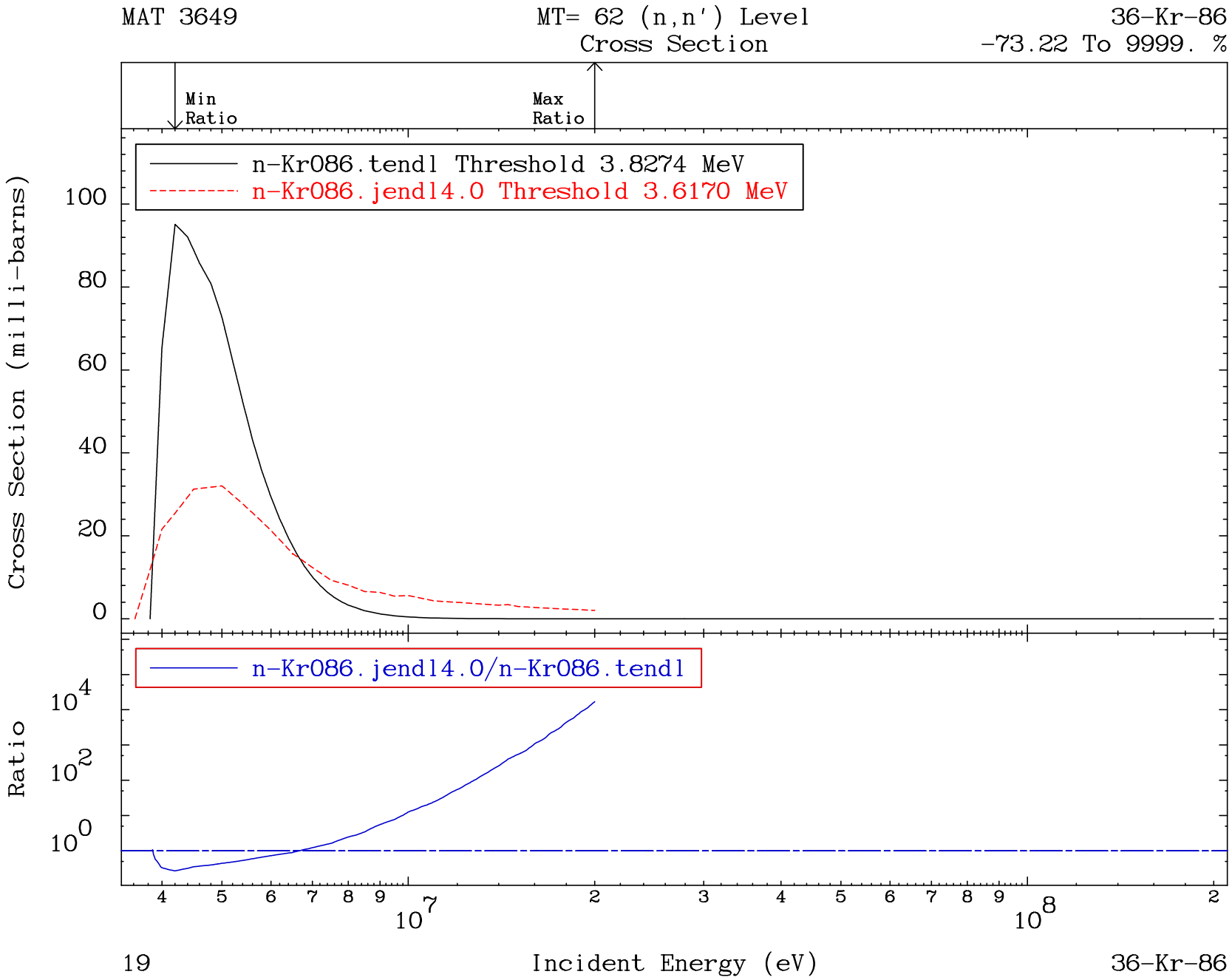

MAT 3649
MT= 57 (n,n') Level
Cross Section
36-Kr-86
-56.16 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 3.0453 MeV
n-Kr086.jendl4.0 Threshold 3.0464 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
36-Kr-86

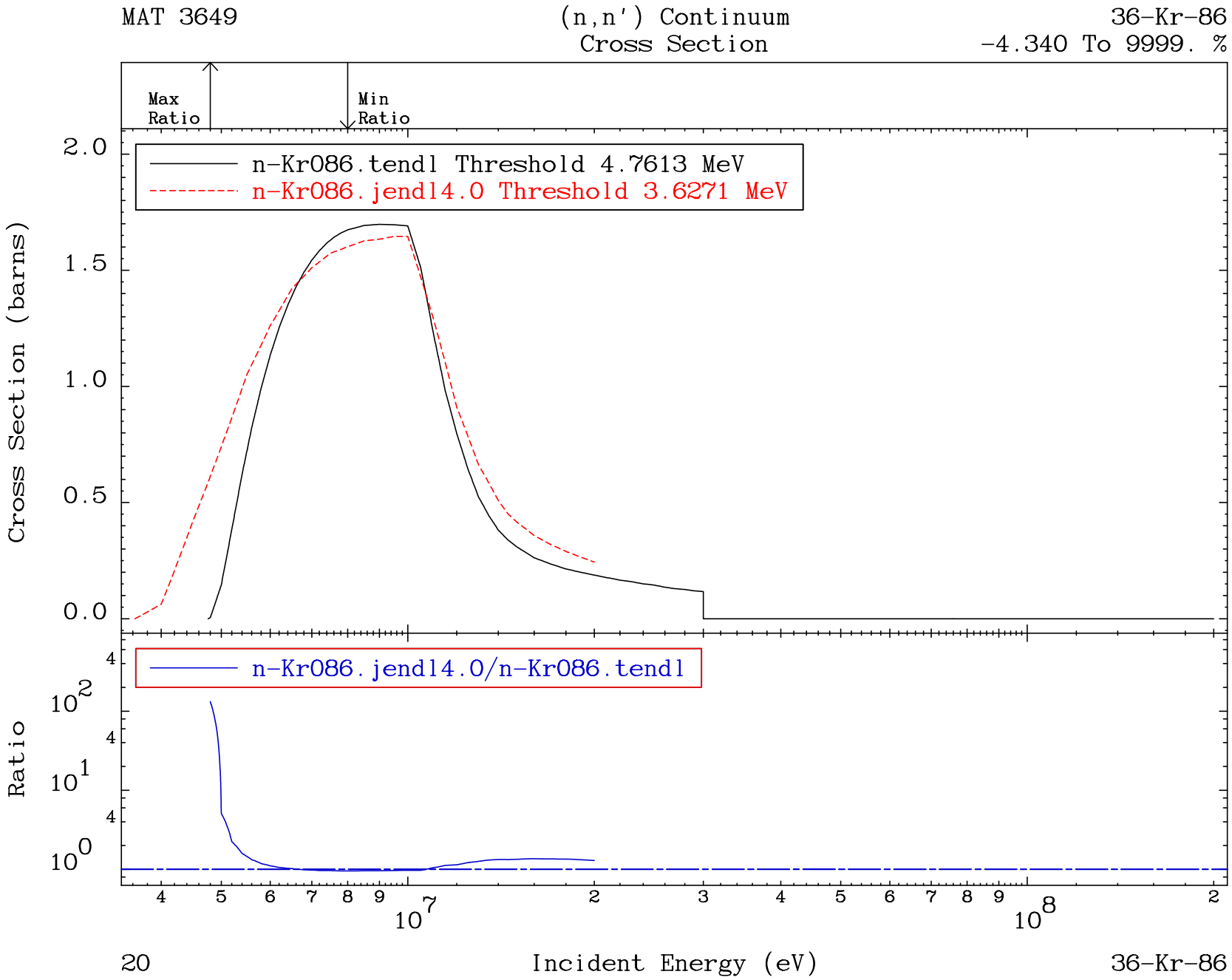

MAT 3649
MT= 58 (n,n') Level
Cross Section
36-Kr-86
-93.92 To -8.948%
Max
Ratio
Min
Ratio
n-Kr086.tendl Threshold 3.1354 MeV
n-Kr086.jendl4.0 Threshold 3.1354 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^0
10^-1
2
6
4
2
6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
36-Kr-86

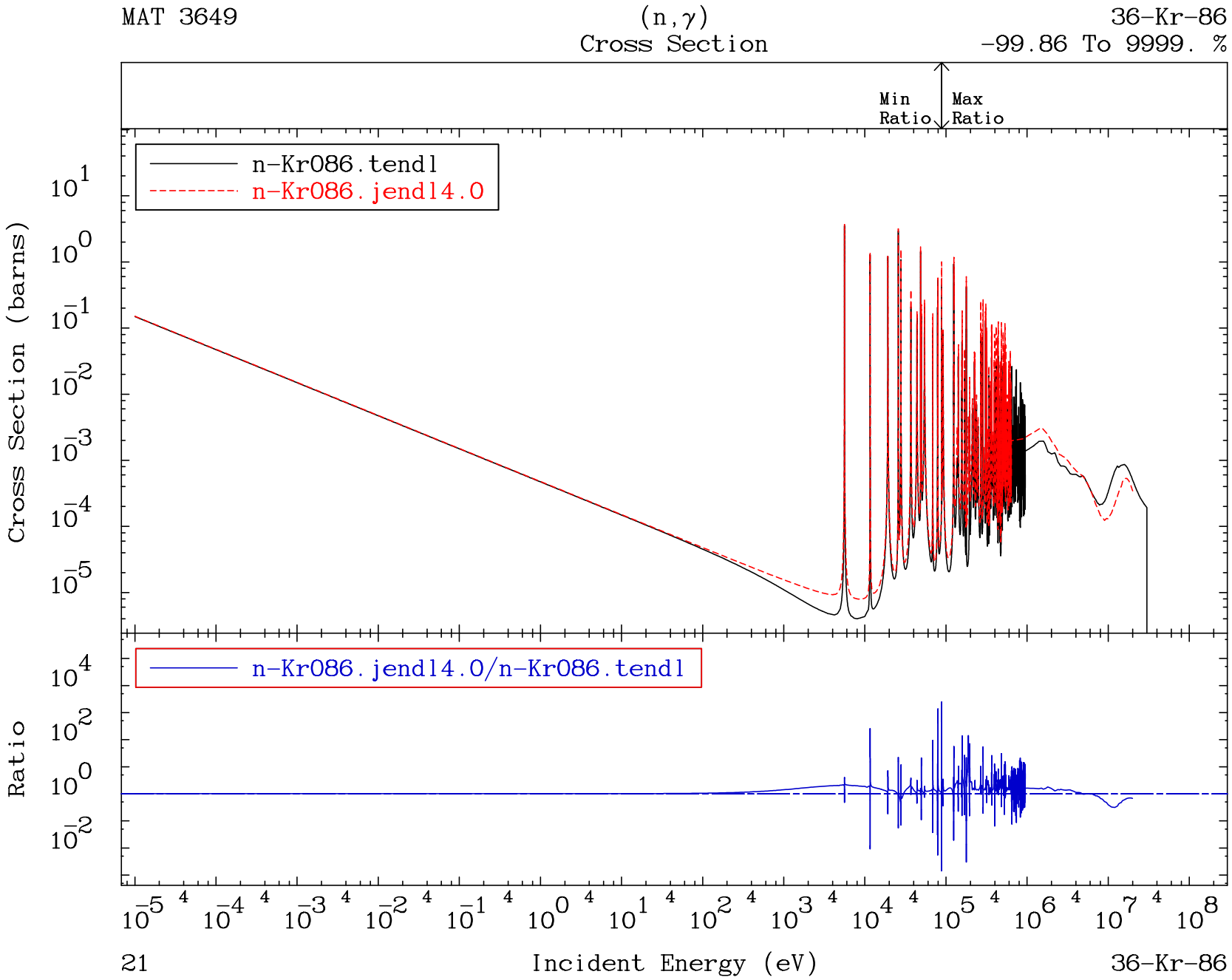

MAT 3649
MT= 59 (n,n') Level
Cross Section
36-Kr-86
40.10 To 783.7 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 3.3640 MeV
n-Kr086.jendl4.0 Threshold 3.3610 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
8
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
36-Kr-86

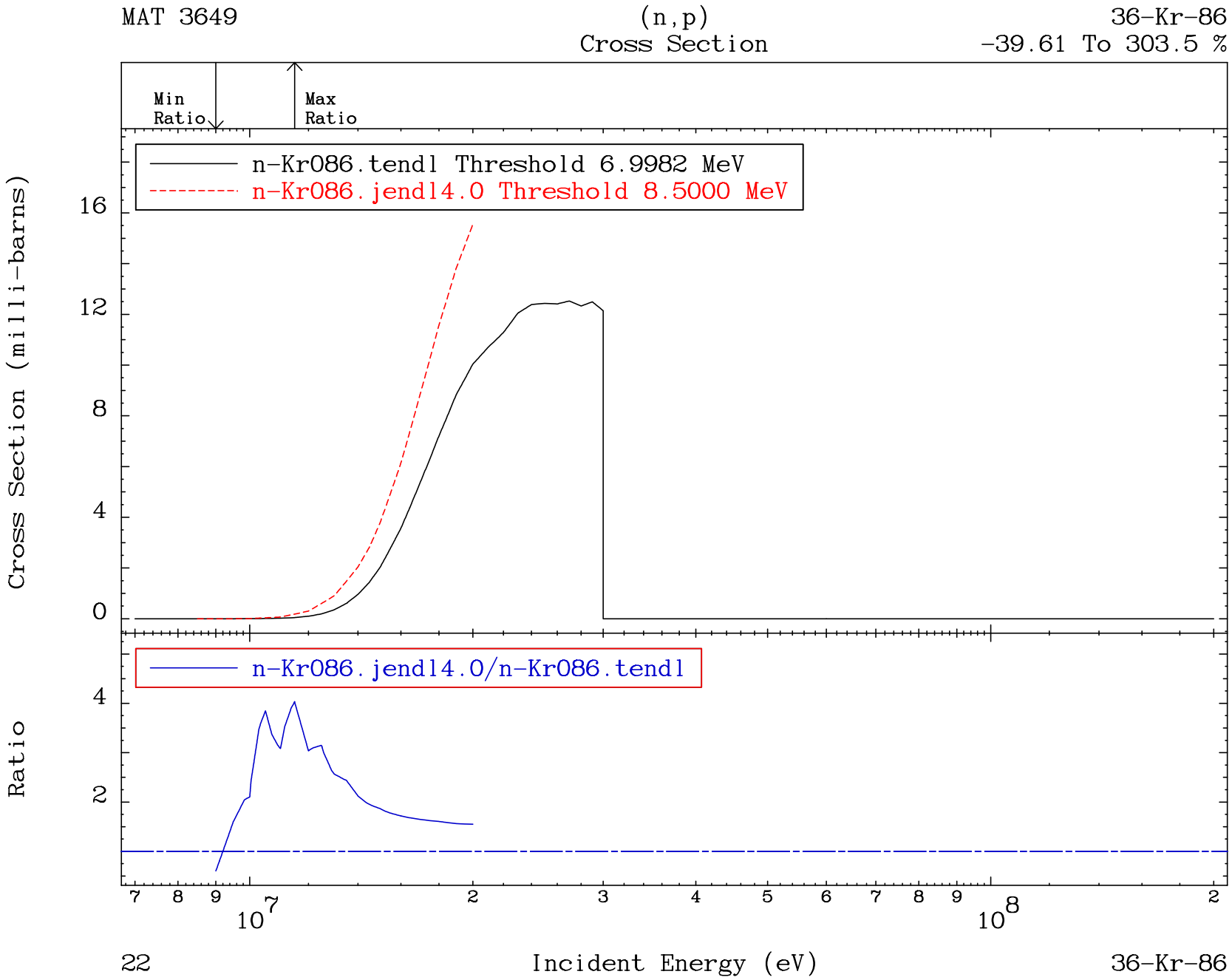

MAT 3649
MT= 60 (n,n') Level
Cross Section
36-Kr-86
214.3 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 3.5816 MeV
n-Kr086.jendl4.0 Threshold 3.3691 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^4
10^2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
36-Kr-86

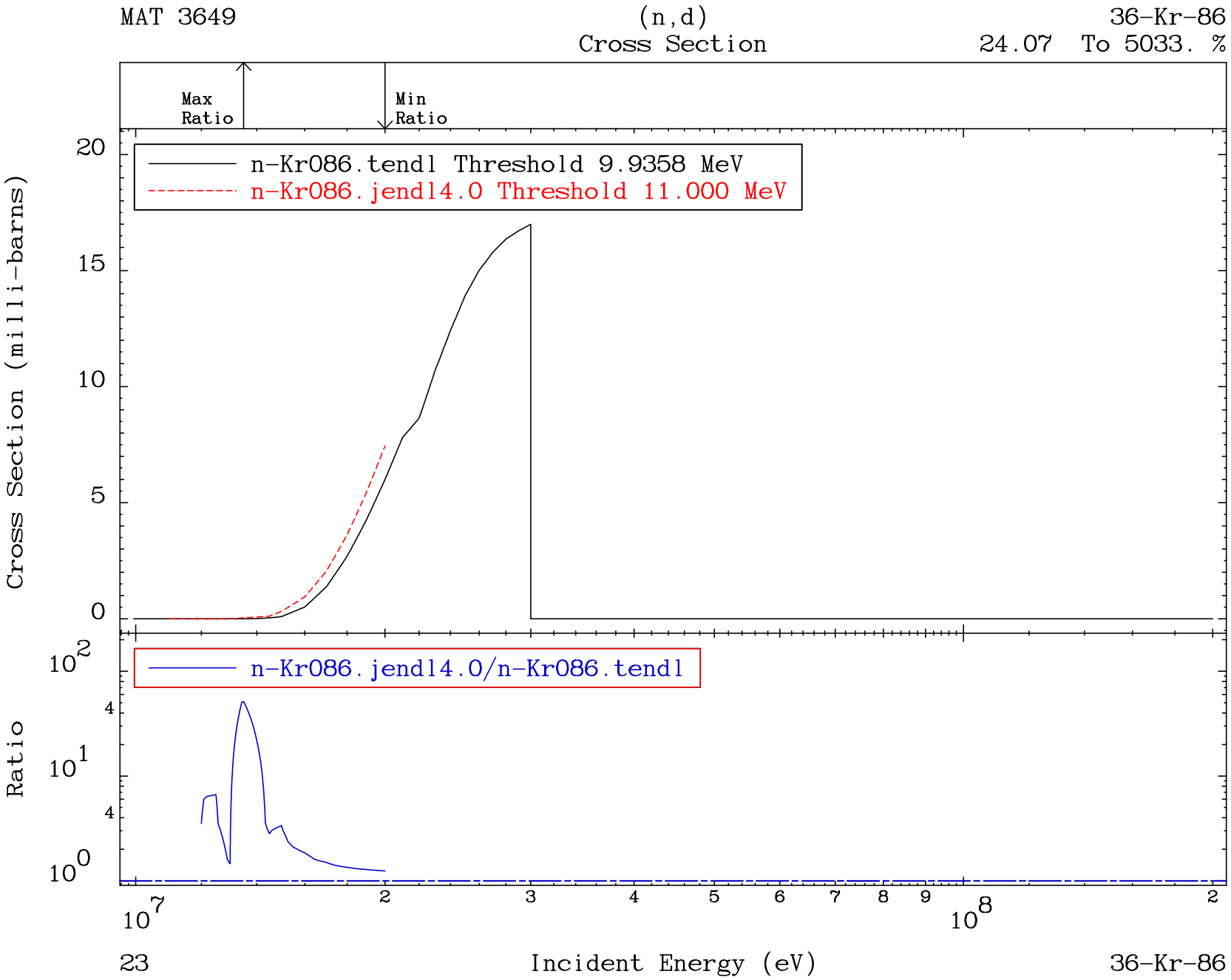

MAT 3649
MT= 61 (n,n') Level
Cross Section
36-Kr-86
-80.05 To 39.67 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 3.6170 MeV
n-Kr086.jendl4.0 Threshold 3.5816 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.6
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
36-Kr-86

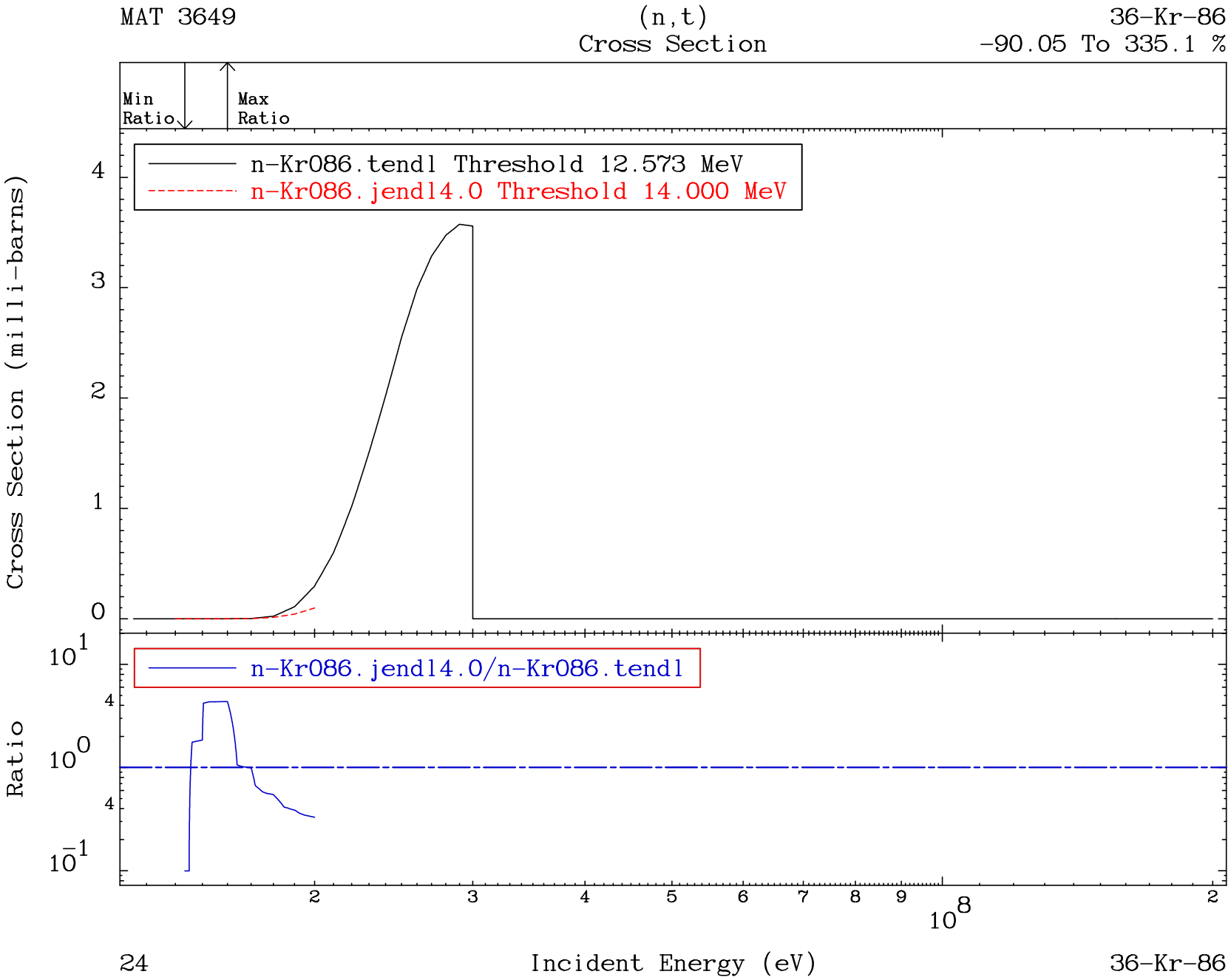

MAT 3649
MT= 62 (n,n') Level
Cross Section
36-Kr-86
-73.22 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 3.8274 MeV
n-Kr086.jendl4.0 Threshold 3.6170 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
36-Kr-86

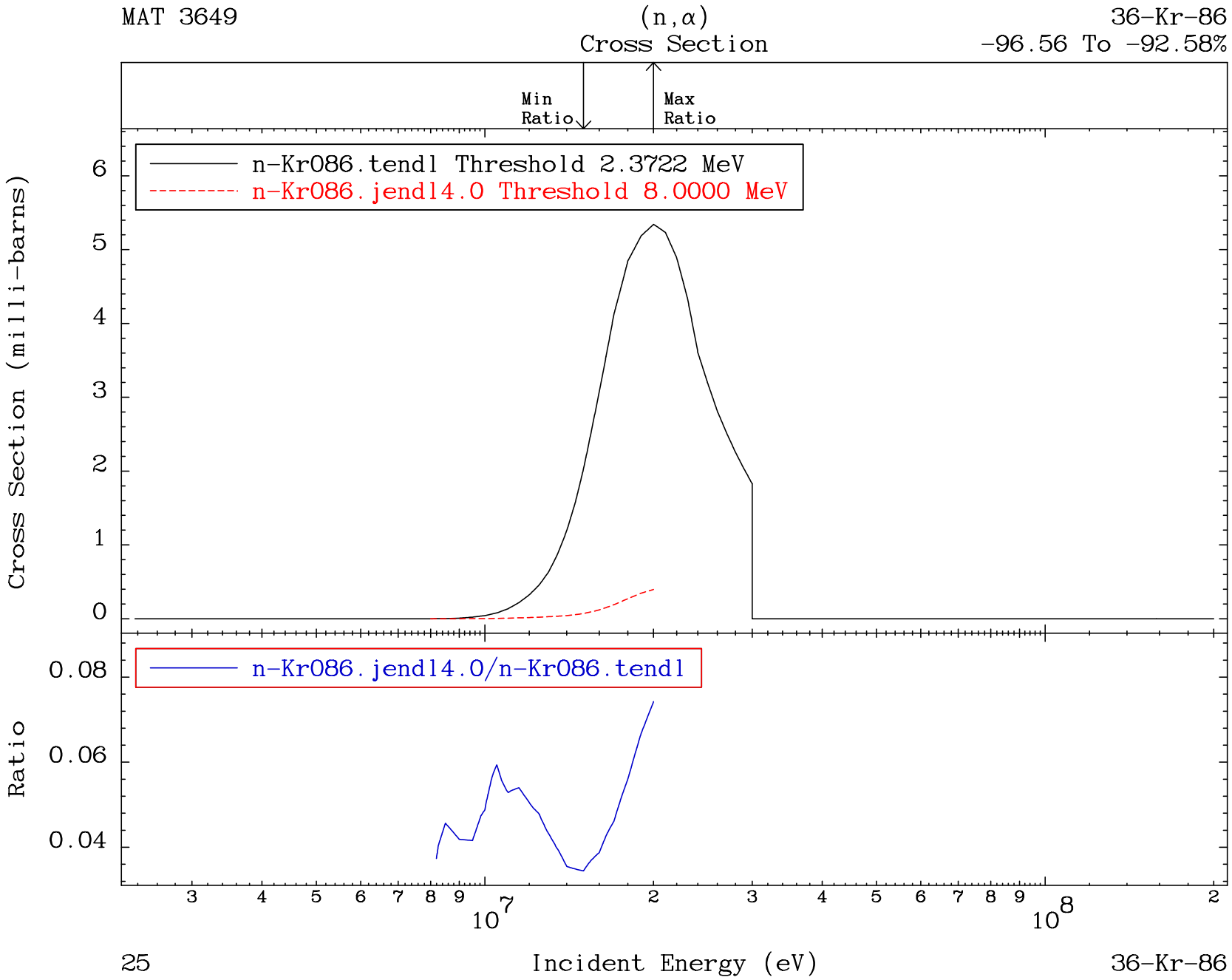

MAT 3649
(n,n') Continuum
Cross Section
36-Kr-86
-4.340 To 9999. %
Max Ratio
Min Ratio
n-Kr086.tendl Threshold 4.7613 MeV
n-Kr086.jendl4.0 Threshold 3.6271 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^2
10^1
10^0
4
4
4
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
20
Incident Energy (eV)
36-Kr-86

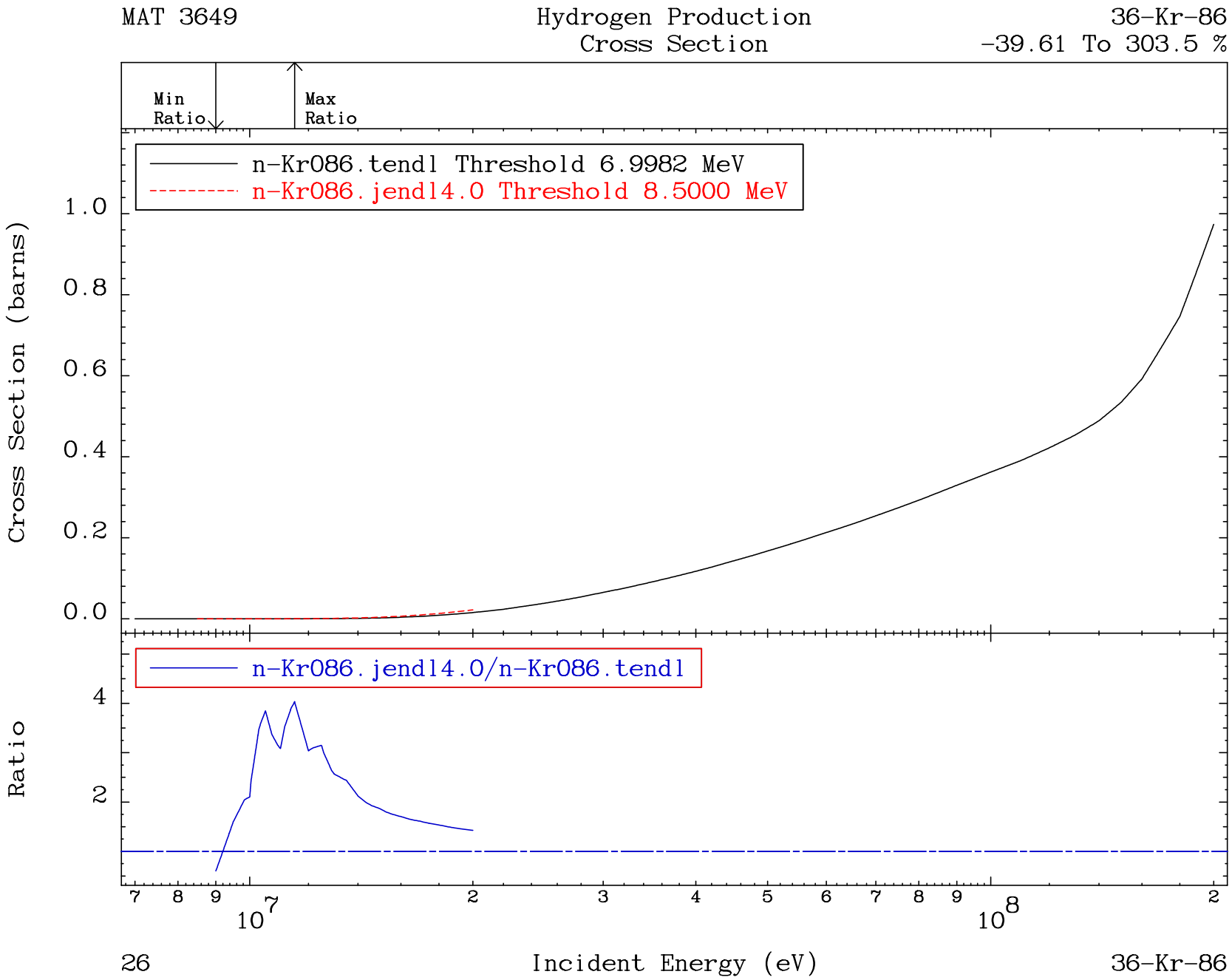

MAT 3649
(n,γ)
Cross Section
36-Kr-86
-99.86 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
21
36-Kr-86

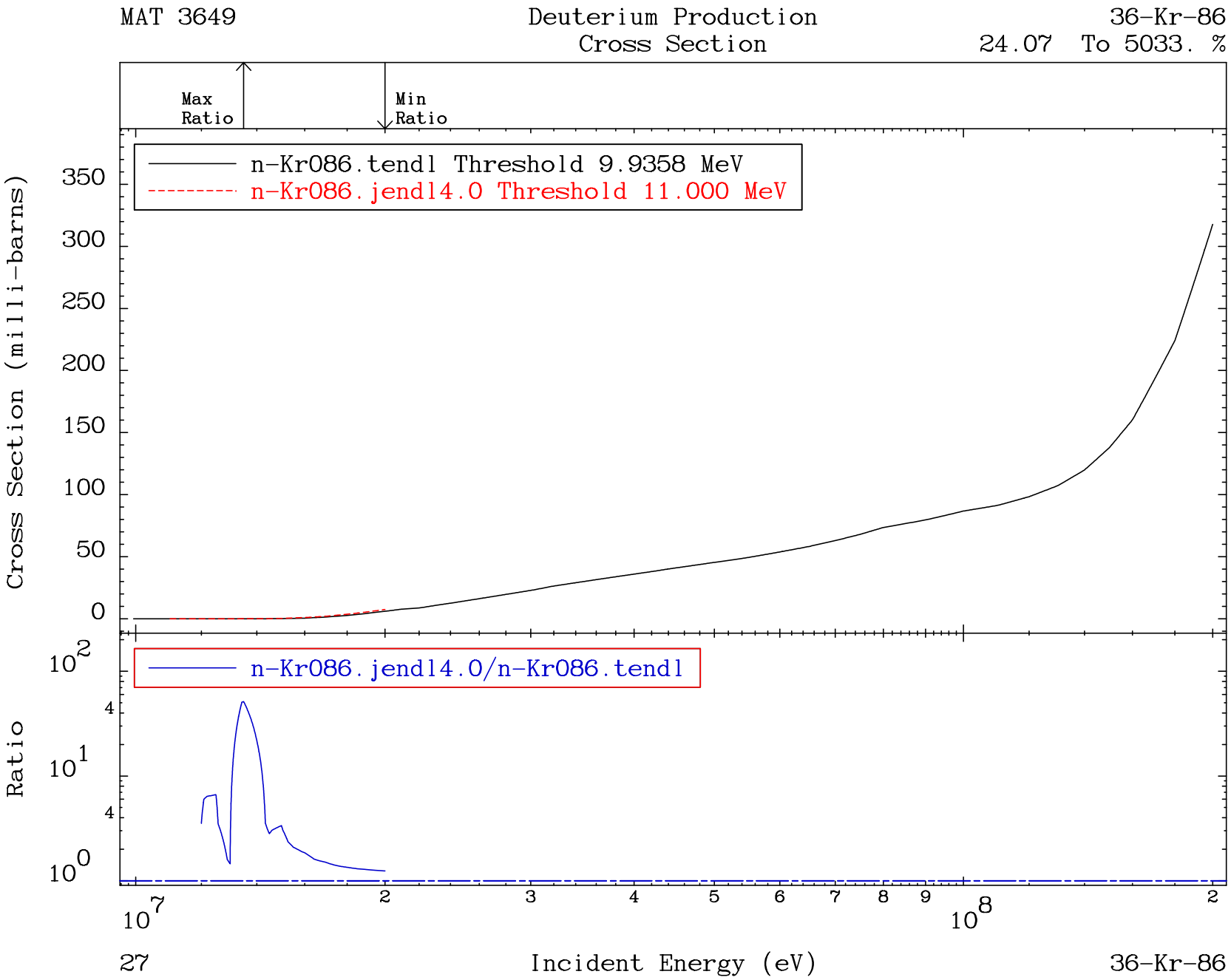

MAT 3649
(n,p)
Cross Section
36-Kr-86
-39.61 To 303.5 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 6.9982 MeV
n-Kr086.jendl4.0 Threshold 8.5000 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
4
2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
36-Kr-86

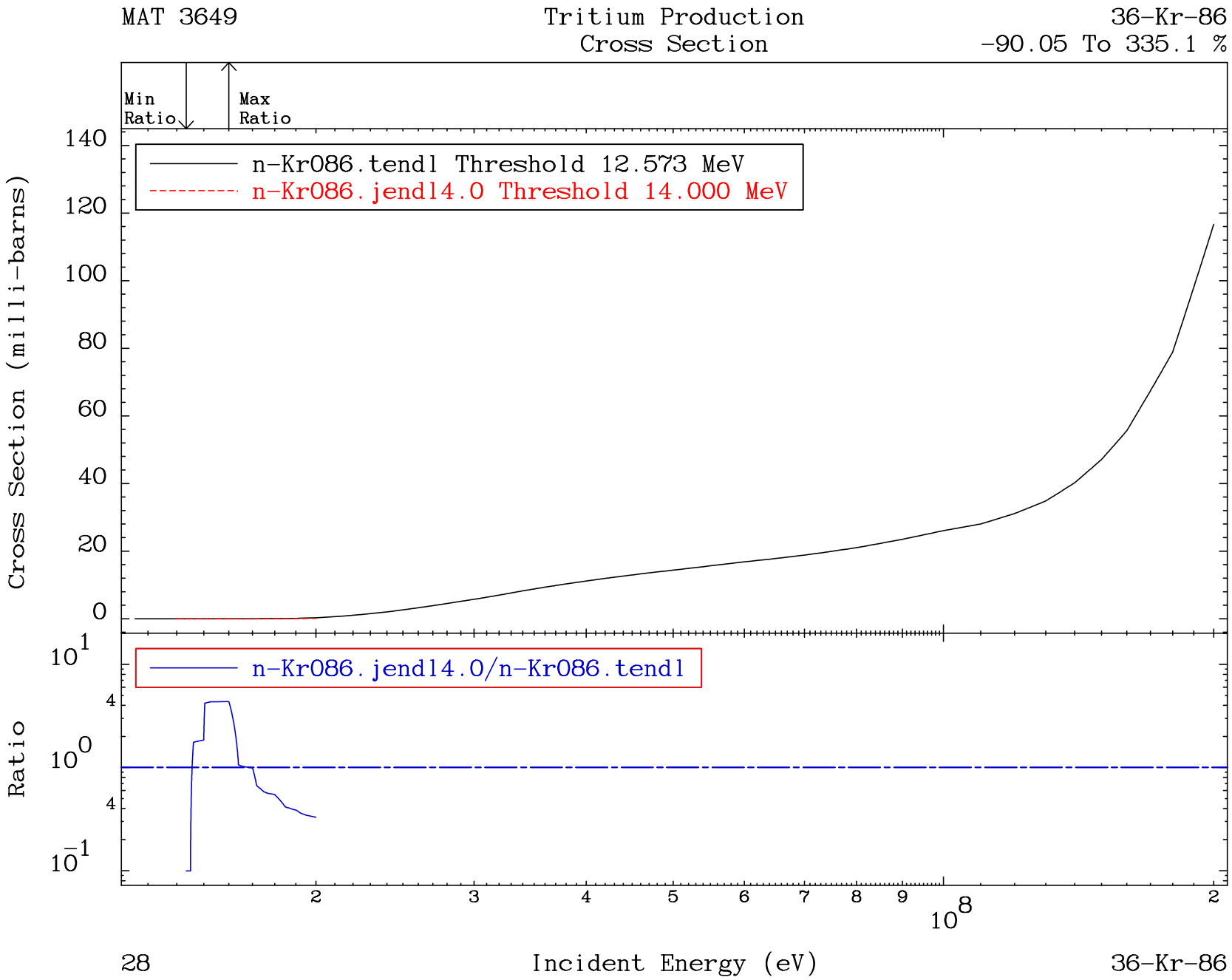

MAT 3649
(n,d)
Cross Section
36-Kr-86
24.07 To 5033. %
Max Ratio
Min Ratio
n-Kr086.tendl Threshold 9.9358 MeV
n-Kr086.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^2
10^1
10^0
4
4
10^7
2
3
4
5
6
7
8
9
10^8
2
23
Incident Energy (eV)
36-Kr-86

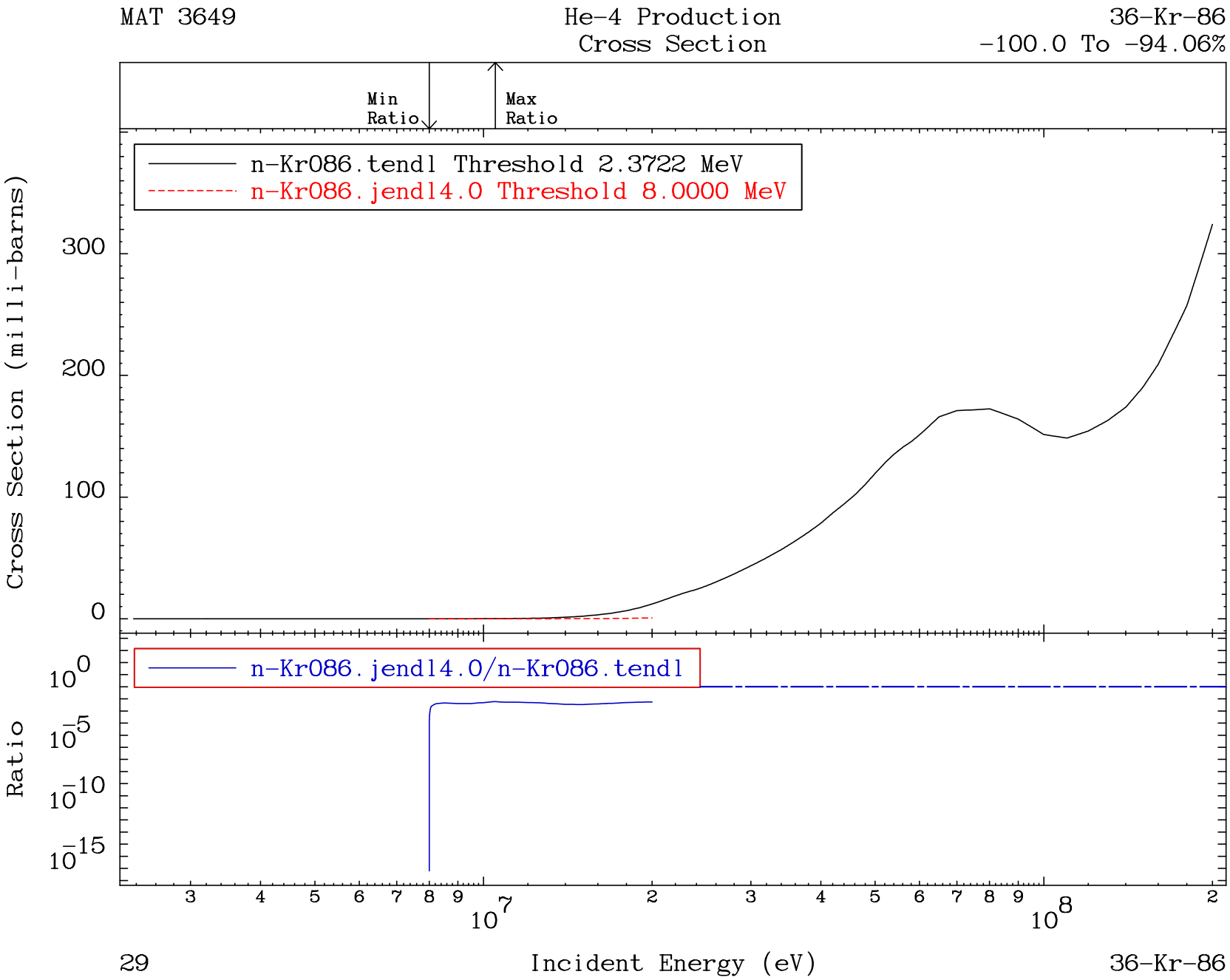

MAT 3649
(n,t)
Cross Section
36-Kr-86
-90.05 To 335.1 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 12.573 MeV
n-Kr086.jendl4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
24
36-Kr-86

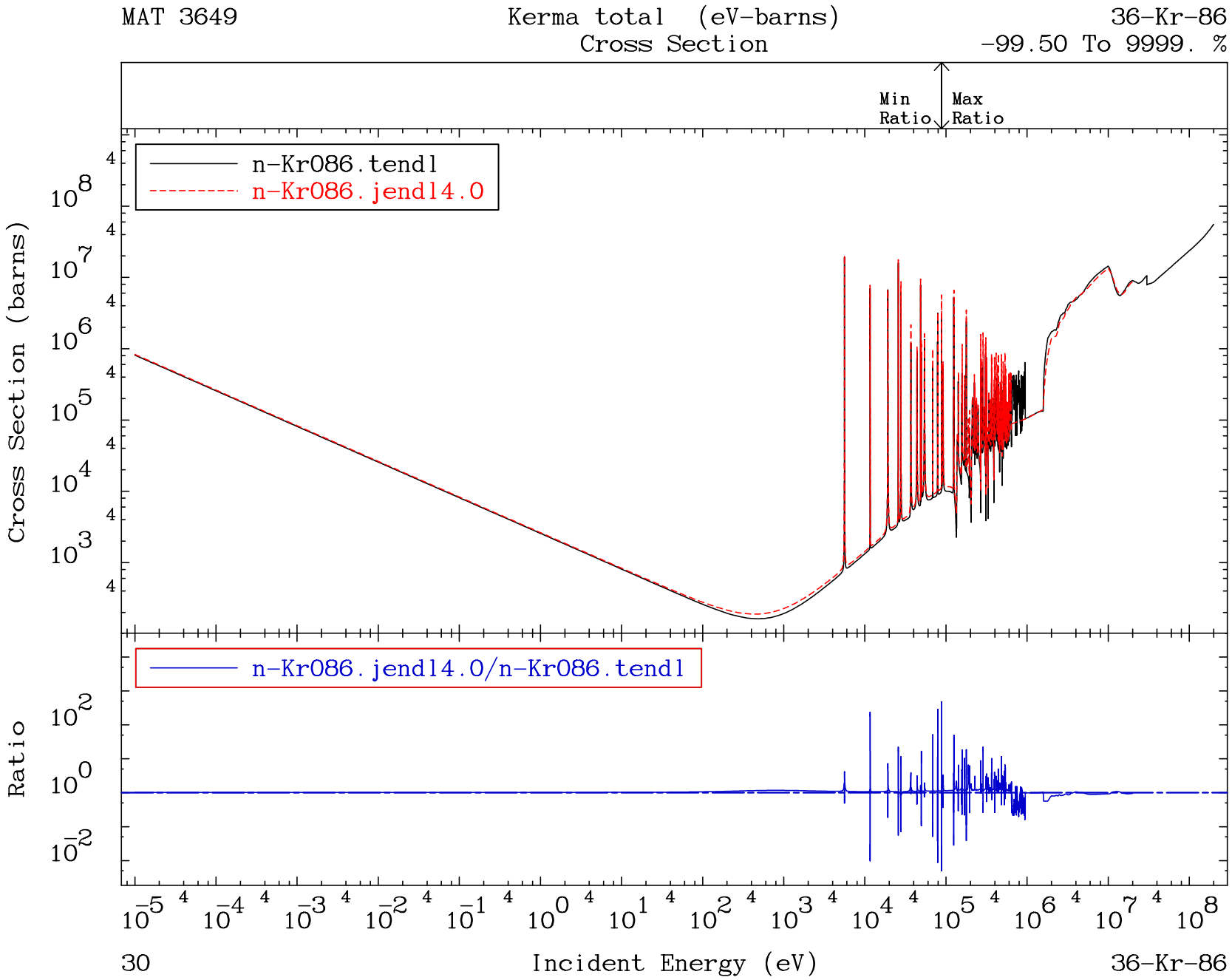

MAT 3649
(n,α)
Cross Section
36-Kr-86
-96.56 To -92.58%
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.3722 MeV
n-Kr086.jendl4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
0.04
0.06
0.08
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
36-Kr-86

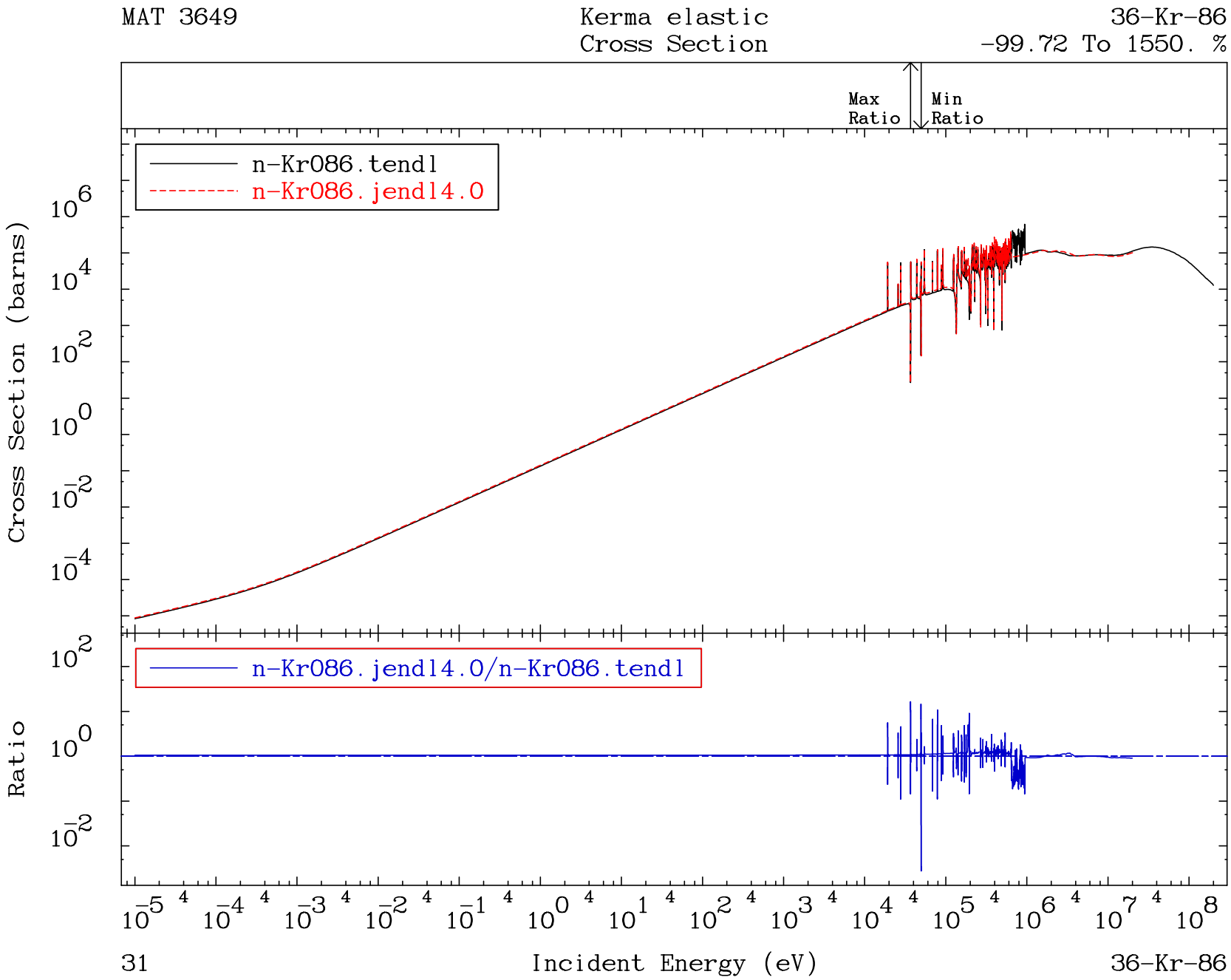

MAT 3649
Hydrogen Production
Cross Section
36-Kr-86
-39.61 To 303.5 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 6.9982 MeV
n-Kr086.jendl4.0 Threshold 8.5000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
4
2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
36-Kr-86

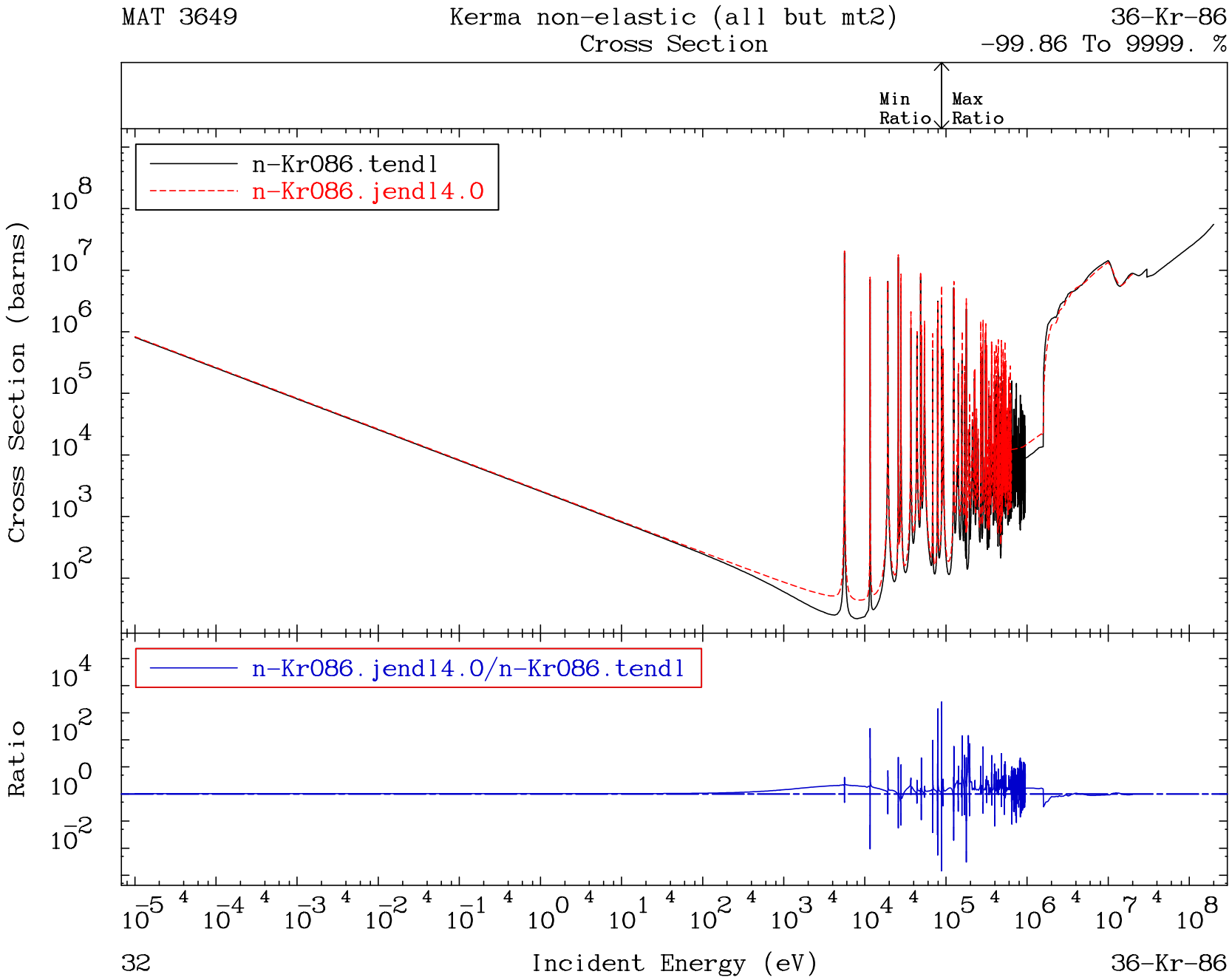

MAT 3649
Deuterium Production
Cross Section
36-Kr-86
24.07 To 5033. %
Max Ratio
Min Ratio
n-Kr086.tendl Threshold 9.9358 MeV
n-Kr086.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^2
10^1
10^0
4
4
10^7
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
36-Kr-86

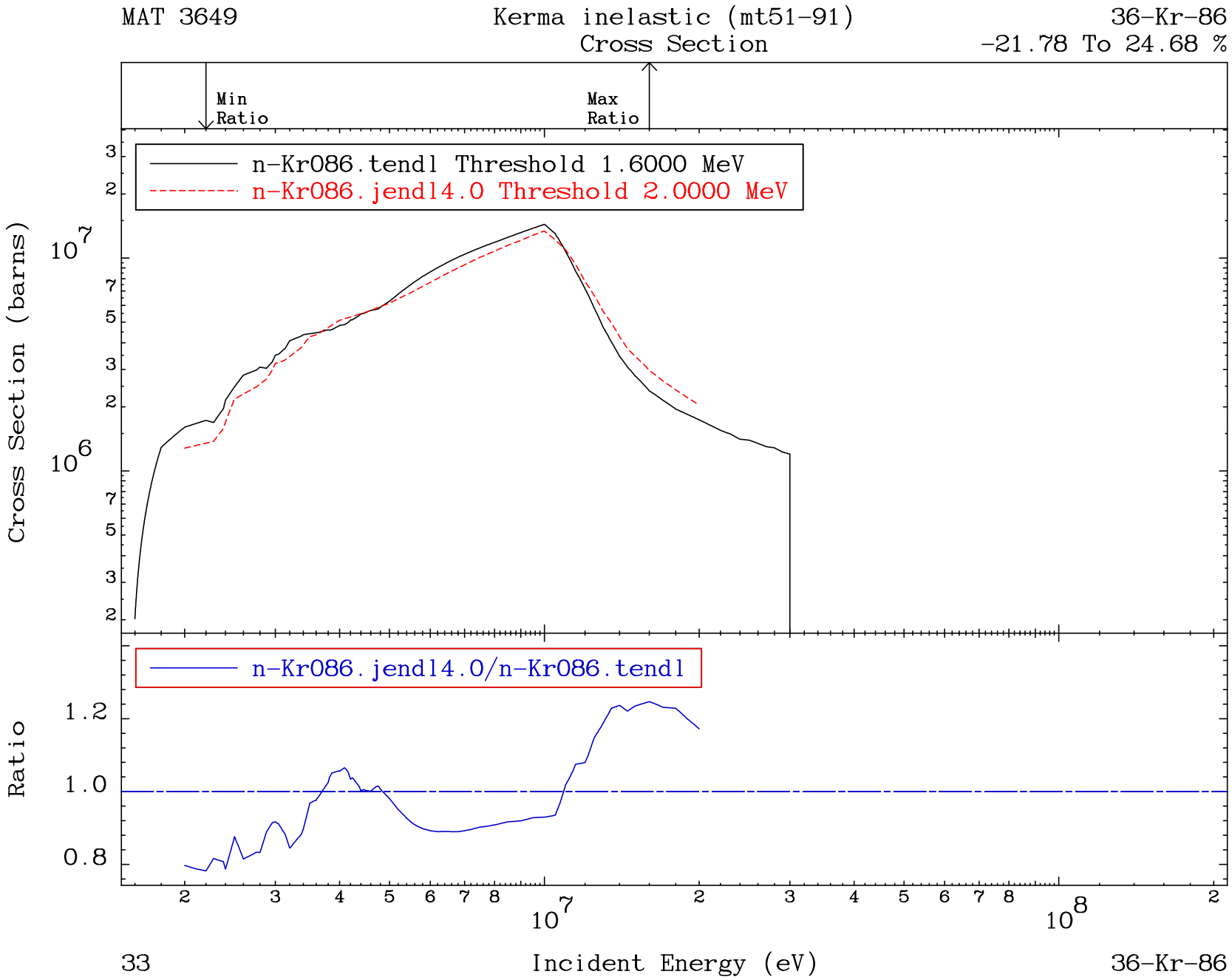

MAT 3649
Tritium Production
Cross Section
36-Kr-86
-90.05 To 335.1 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 12.573 MeV
n-Kr086.jendl4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^1
4
10^0
4
10^-1
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
36-Kr-86

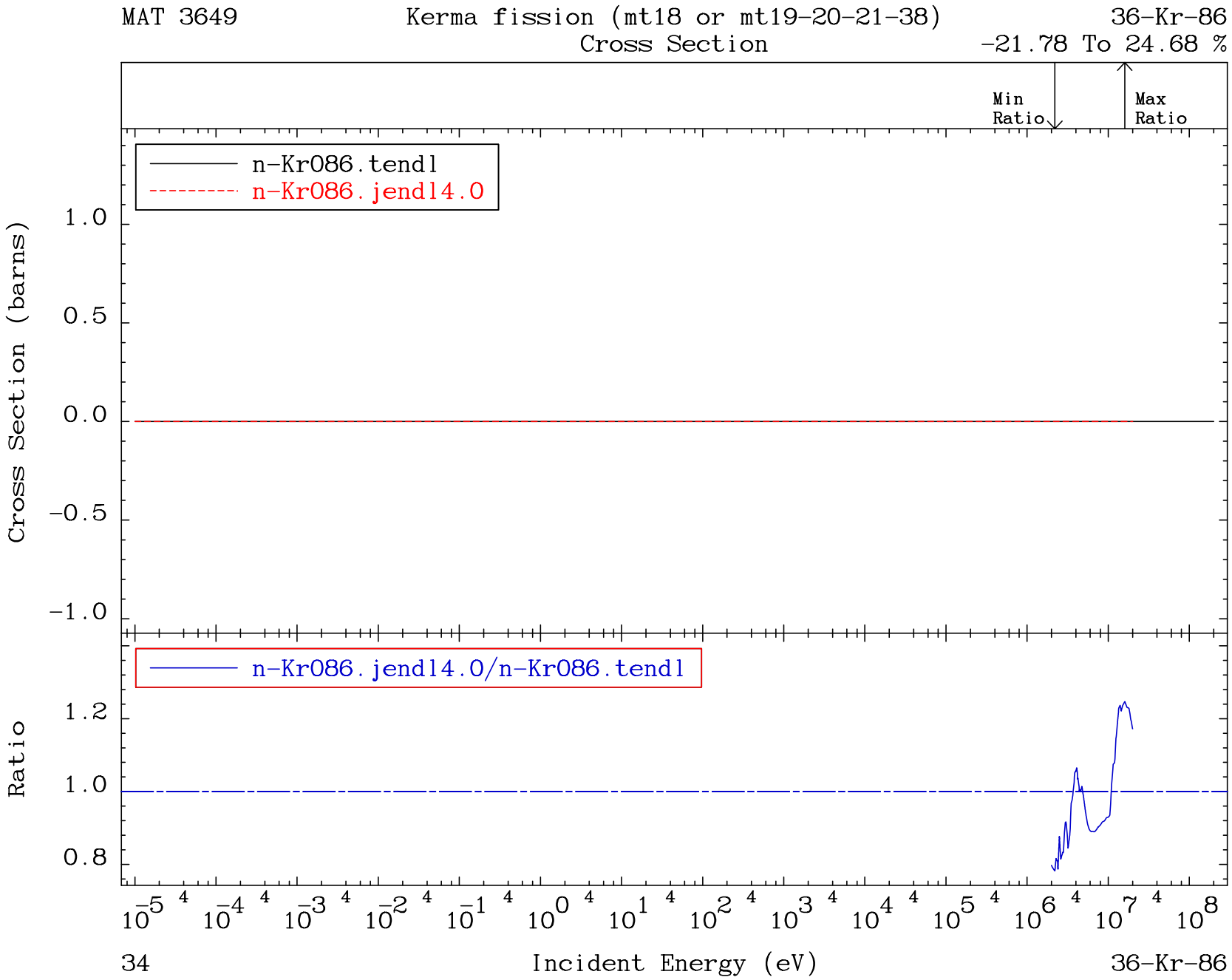

MAT 3649
He-4 Production
Cross Section
36-Kr-86
-100.0 To -94.06%
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 2.3722 MeV
n-Kr086.jendl4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
300
200
100
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^0
10^-5
10^-10
10^-15
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
36-Kr-86

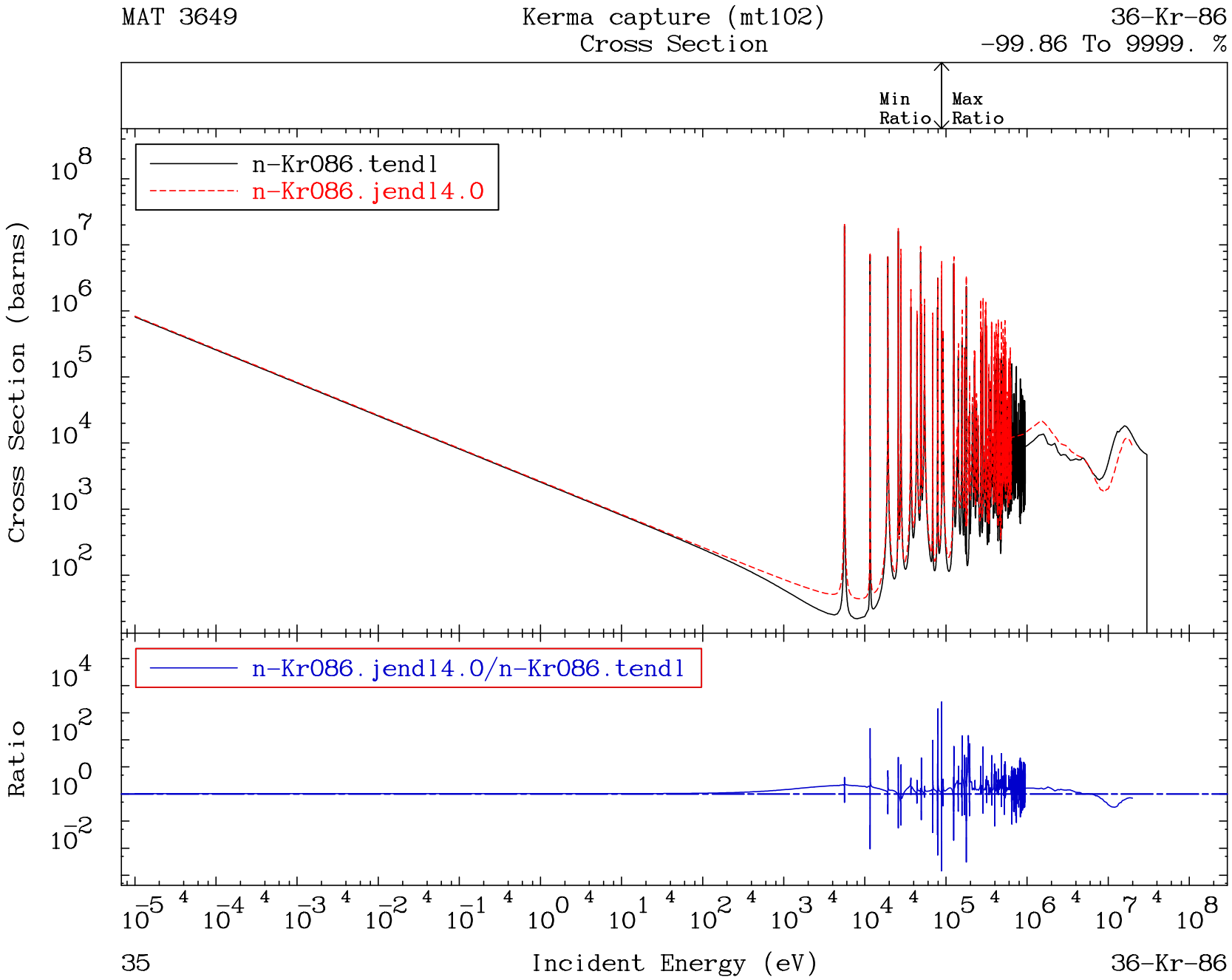

MAT 3649
Kerma total (eV-barns)
Cross Section
36-Kr-86
-99.50 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
30
36-Kr-86

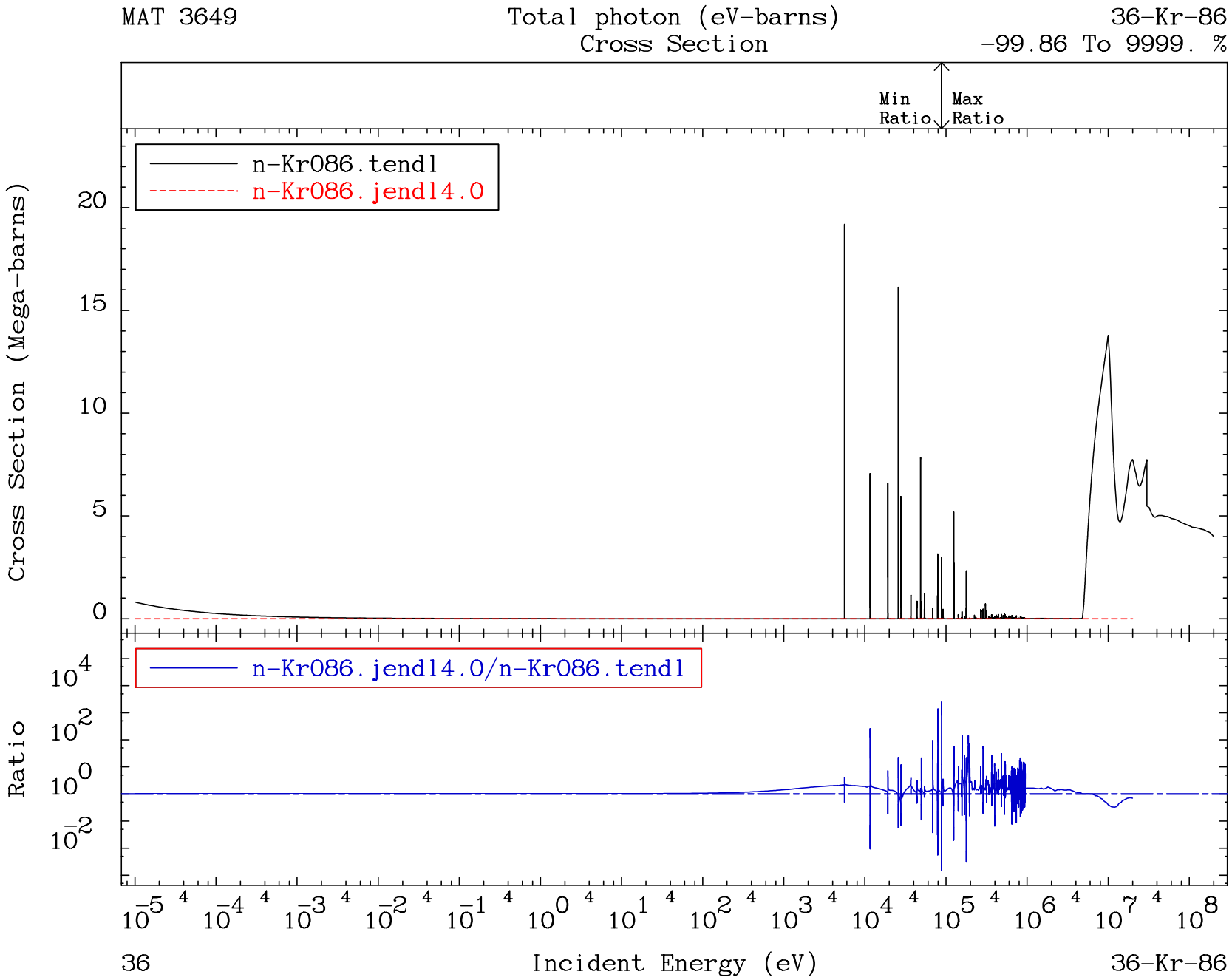

MAT 3649
Kerma elastic
Cross Section
36-Kr-86
-99.72 To 1550. %
Max Ratio
Min Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
31
36-Kr-86

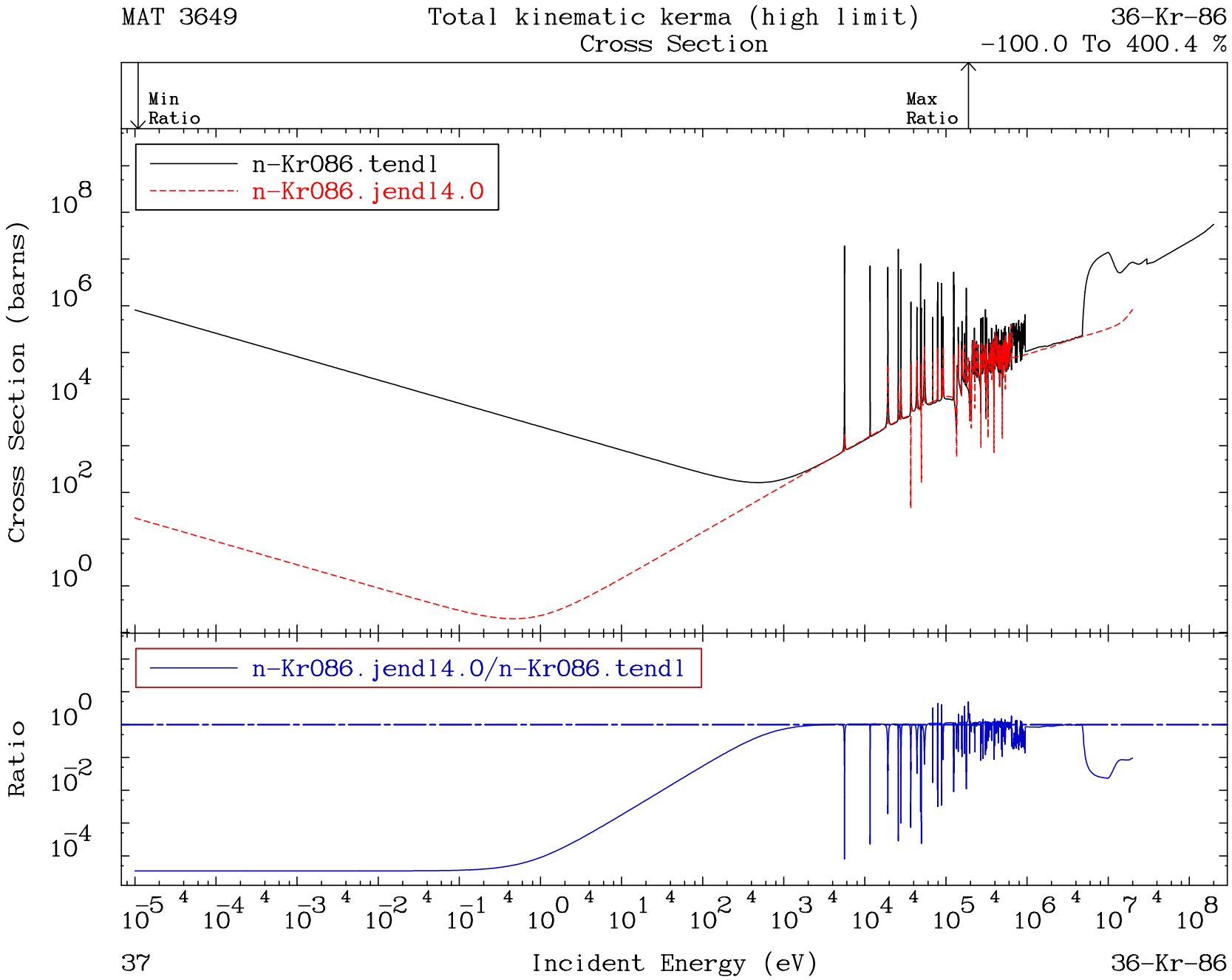

MAT 3649
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-86
-99.86 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
32
36-Kr-86

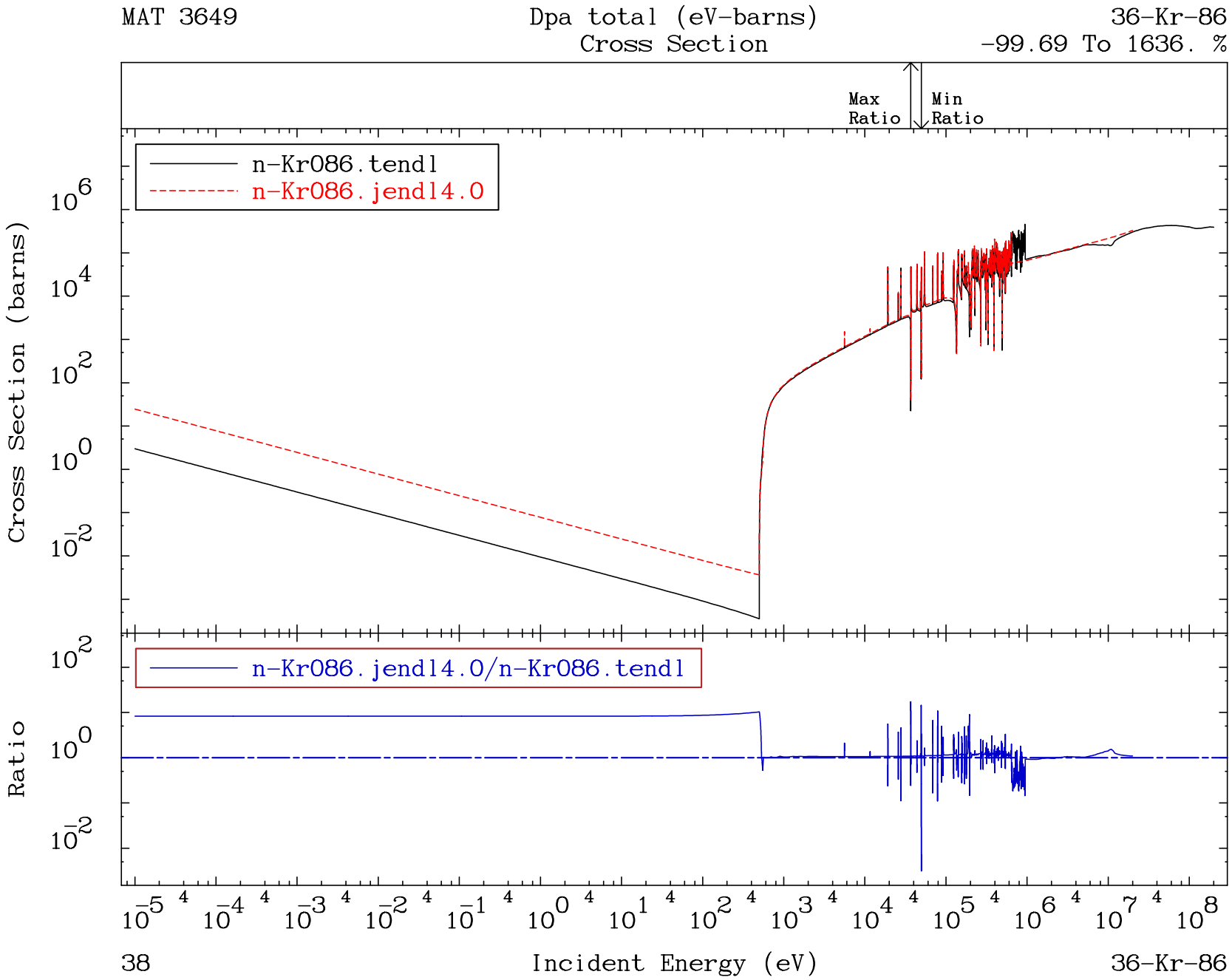

MAT 3649
Kerma inelastic (mt51-91)
Cross Section
36-Kr-86
-21.78 To 24.68 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 1.6000 MeV
n-Kr086.jendl4.0 Threshold 2.0000 MeV
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
33
36-Kr-86

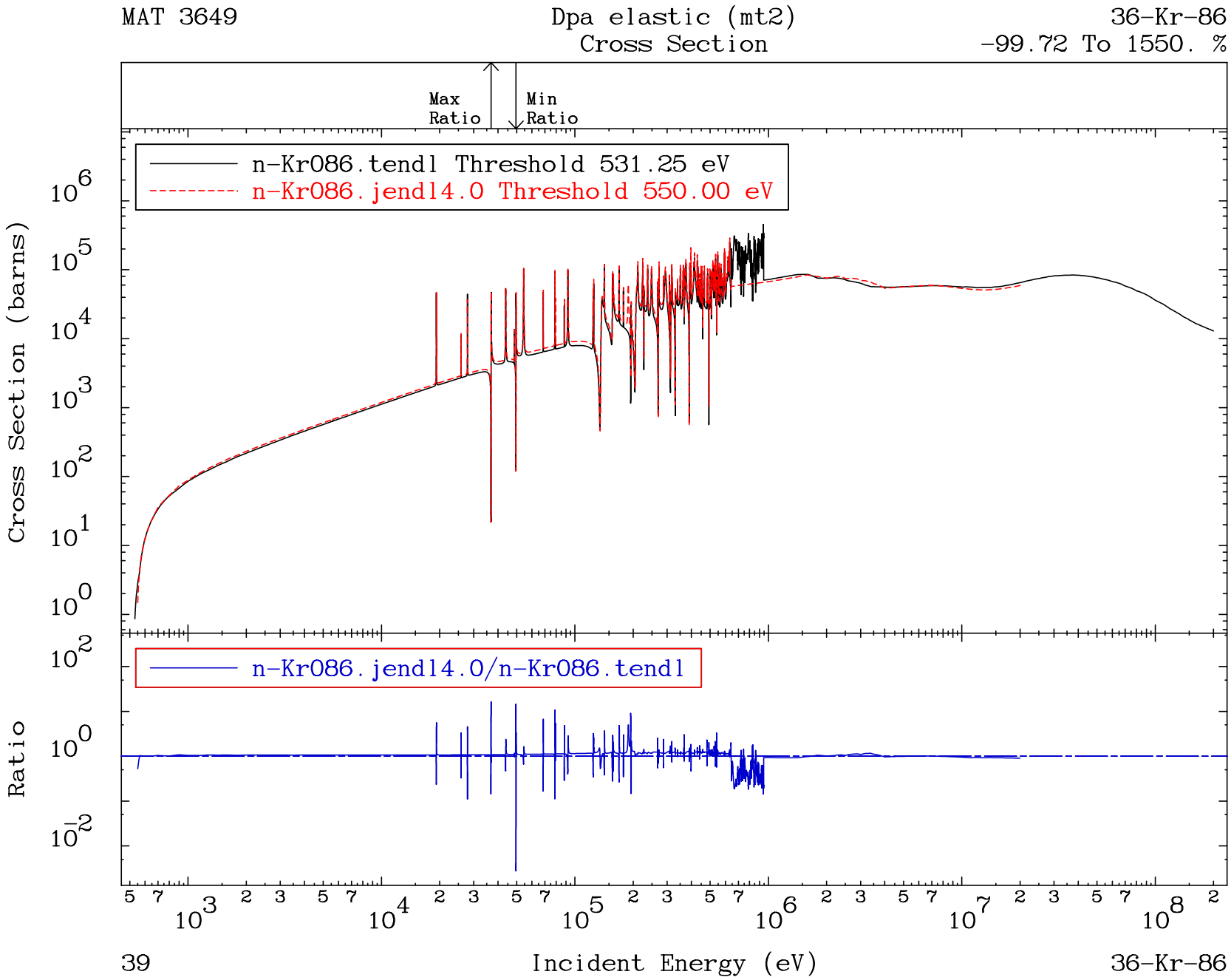

MAT 3649
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-86
-21.78 To 24.68 %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
36-Kr-86

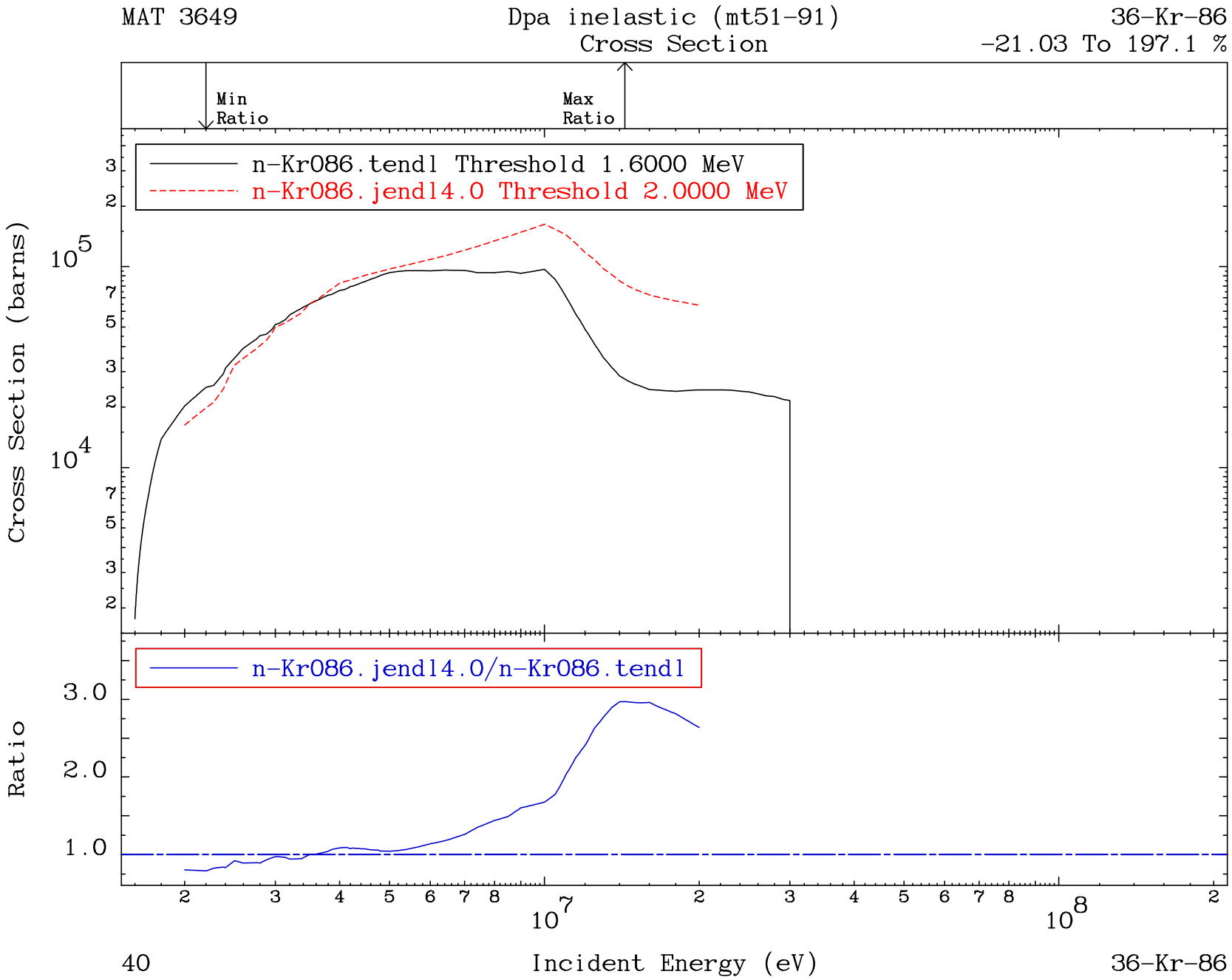

MAT 3649
Kerma capture (mt102)
Cross Section
36-Kr-86
-99.86 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
35
Incident Energy (eV)
36-Kr-86

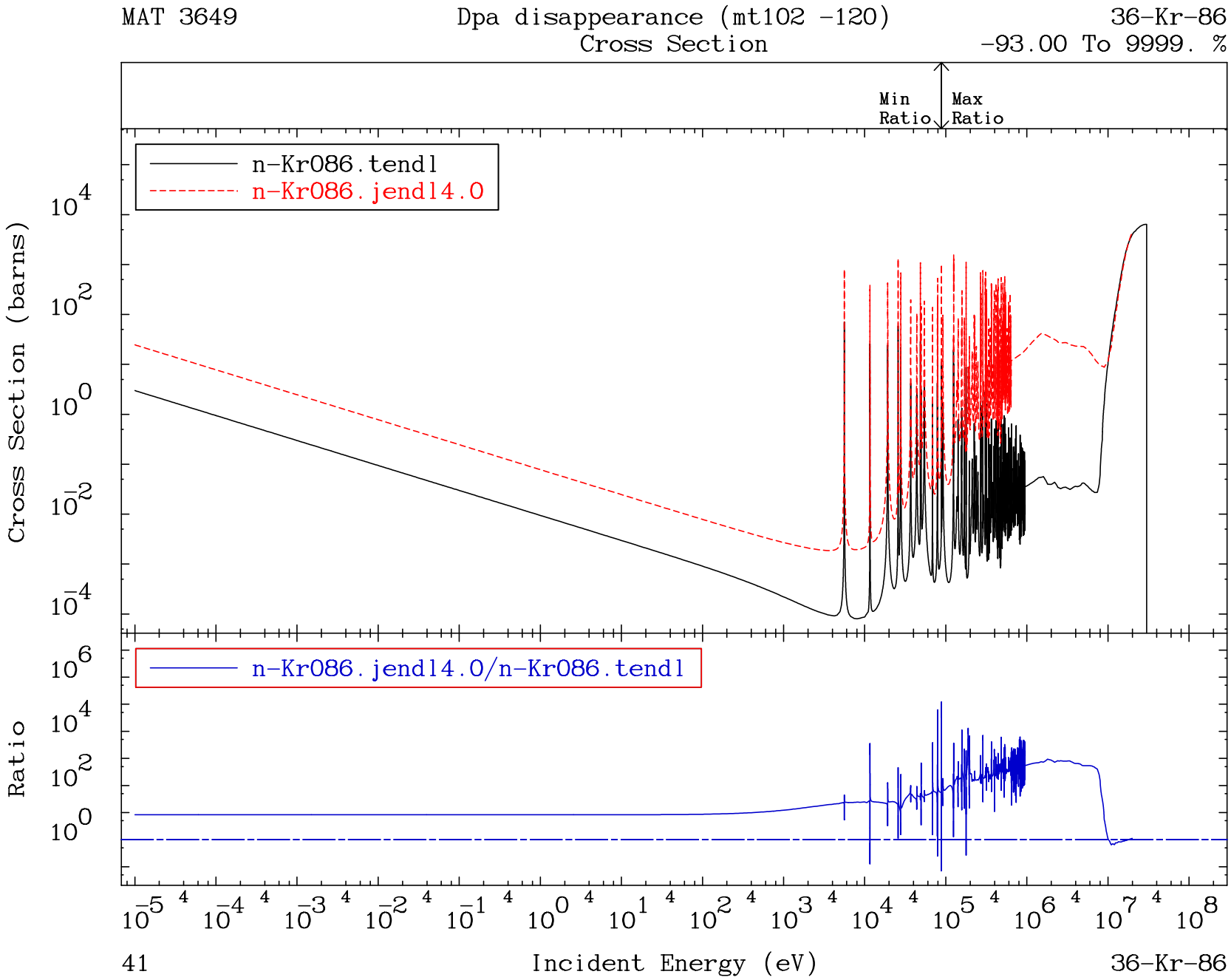

MAT 3649
Total photon (eV-barns)
Cross Section
36-Kr-86
-99.86 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (Mega-barns)
20
15
10
5
0
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
10^4
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
36
Incident Energy (eV)
36-Kr-86


MAT 3649
Total kinematic kerma (high limit)
Cross Section
36-Kr-86
-100.0 To 400.4 %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
37
36-Kr-86


MAT 3649
Dpa total (eV-barns)
Cross Section
36-Kr-86
-99.69 To 1636. %
Max Ratio
Min Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
38
Incident Energy (eV)
36-Kr-86


MAT 3649
Dpa elastic (mt2)
Cross Section
36-Kr-86
-99.72 To 1550. %
Max Ratio
Min Ratio
n-Kr086.tendl Threshold 531.25 eV
n-Kr086.jendl4.0 Threshold 550.00 eV
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
39
36-Kr-86


MAT 3649
Dpa inelastic (mt51-91)
Cross Section
36-Kr-86
-21.03 To 197.1 %
Min Ratio
Max Ratio
n-Kr086.tendl Threshold 1.6000 MeV
n-Kr086.jendl4.0 Threshold 2.0000 MeV
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
40
36-Kr-86


MAT 3649
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-86
-93.00 To 9999. %
Min Ratio
Max Ratio
n-Kr086.tendl
n-Kr086.jendl4.0
Cross Section (barns)
n-Kr086.jendl4.0/n-Kr086.tendl
Ratio
Incident Energy (eV)
41
36-Kr-86