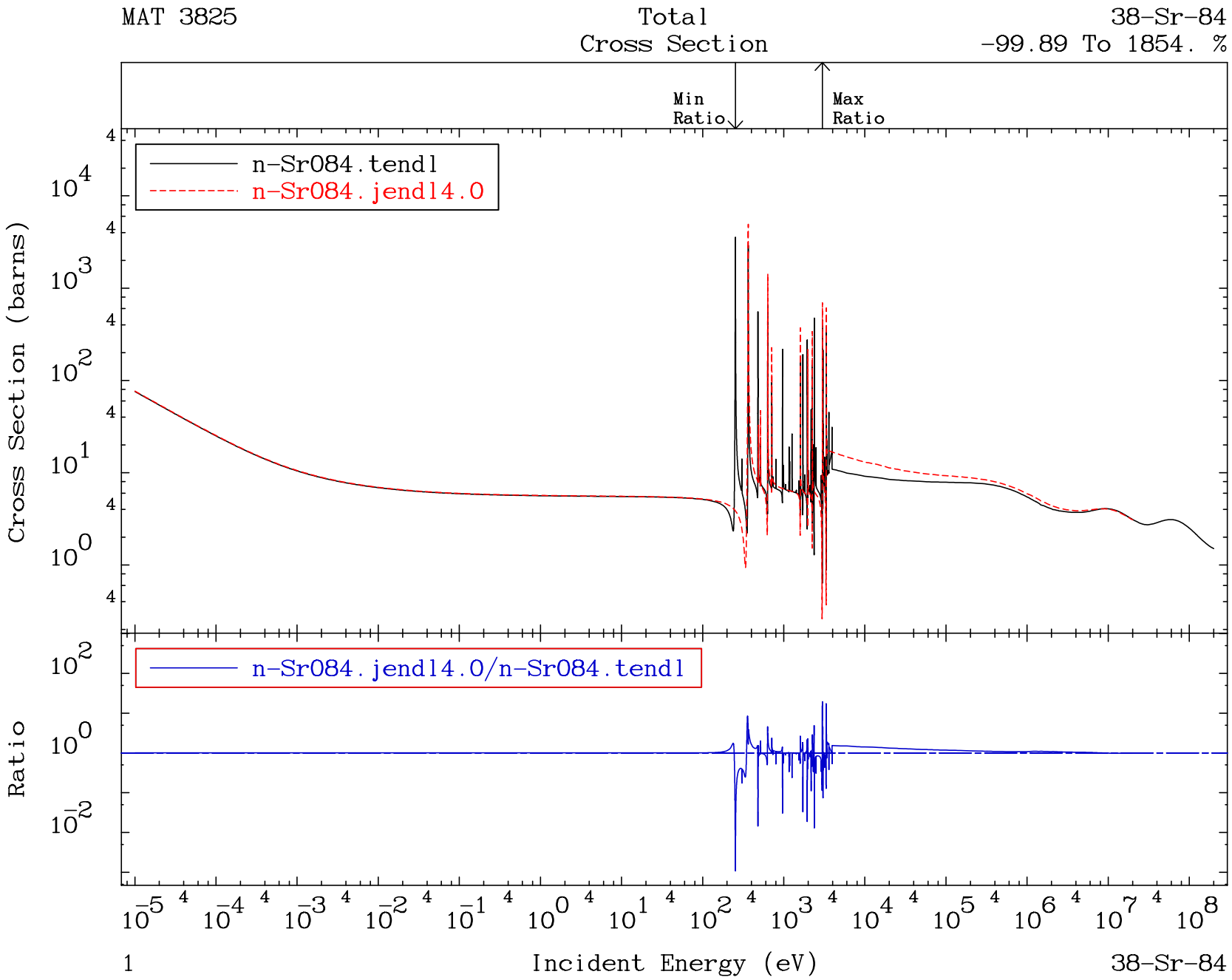
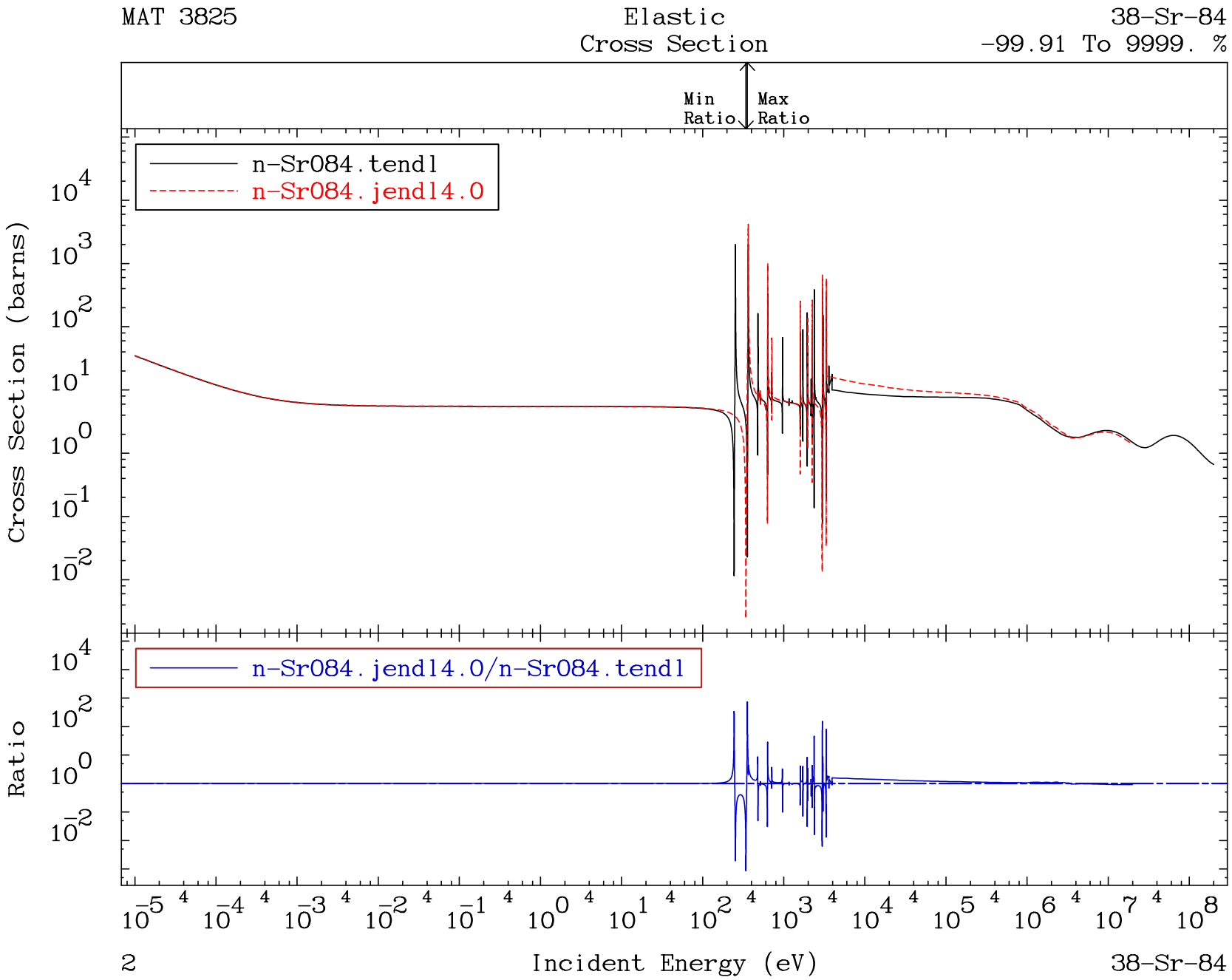
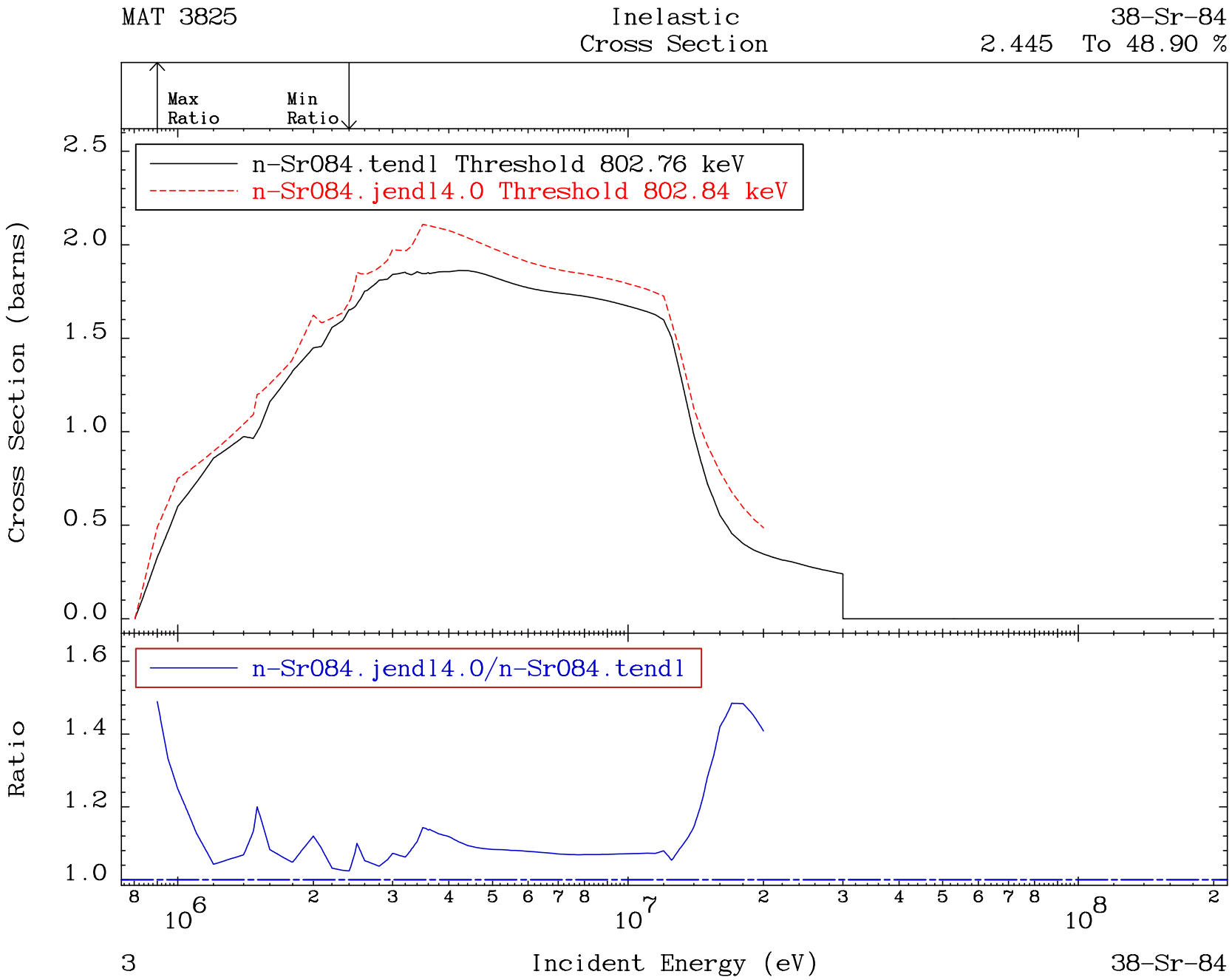
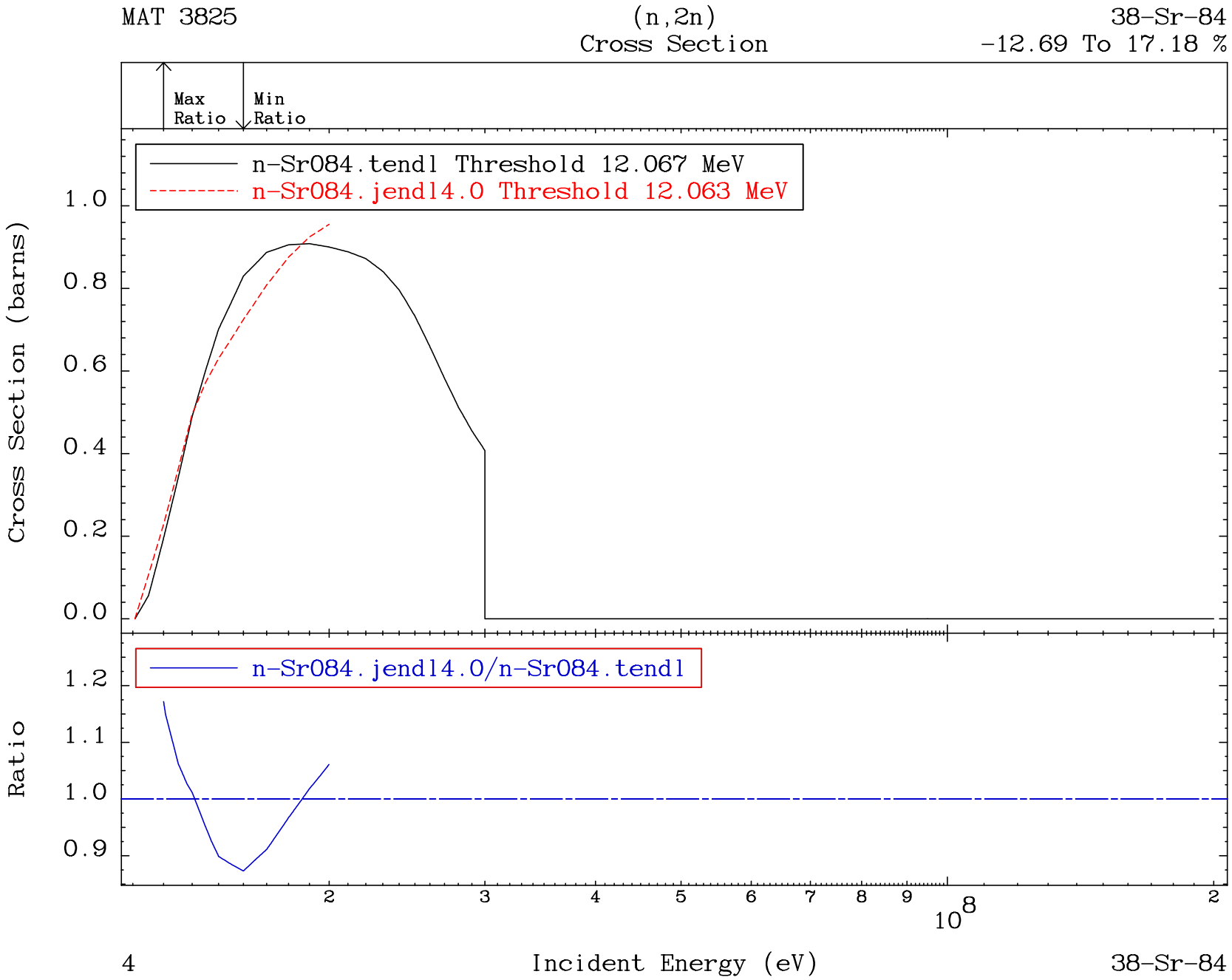
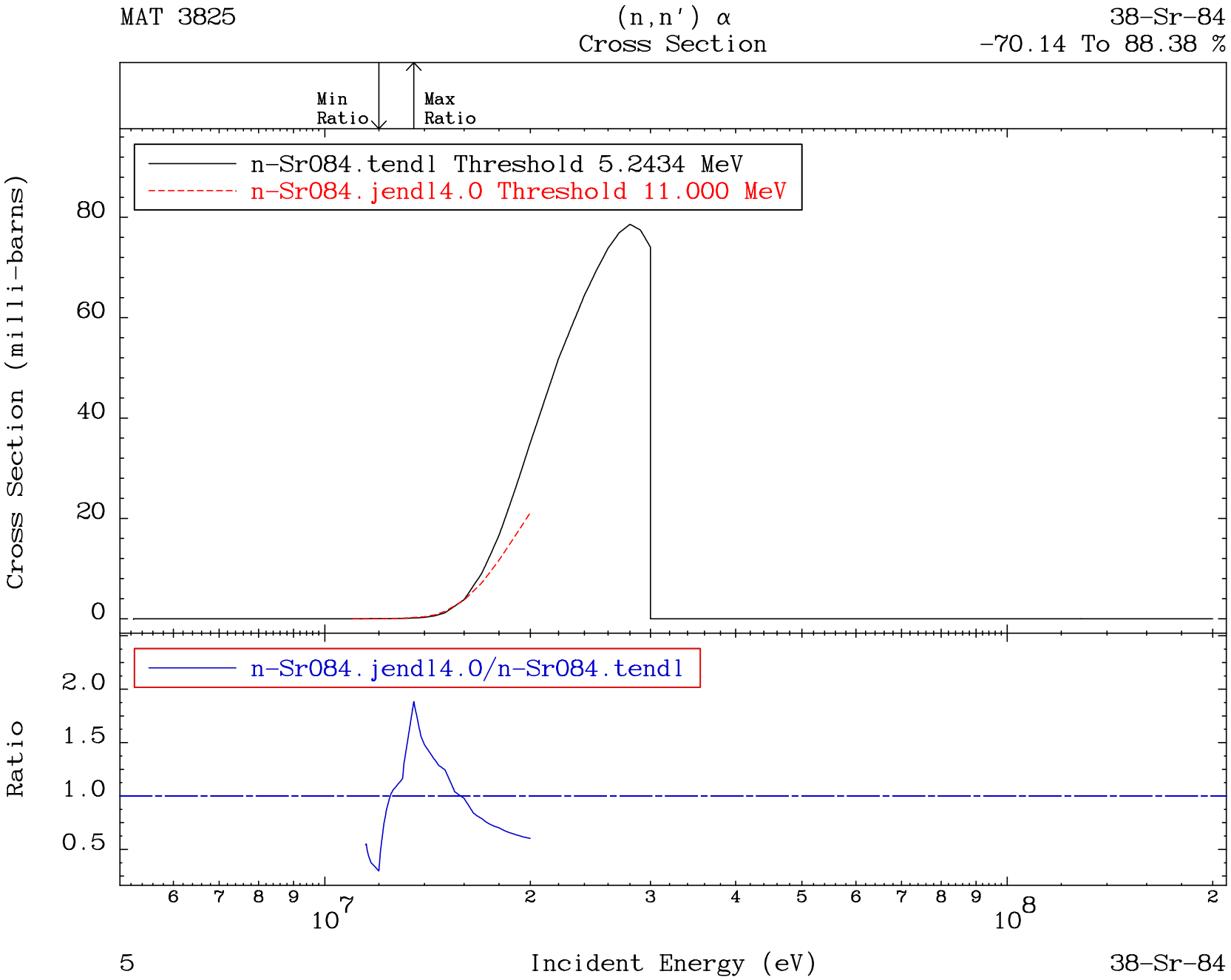
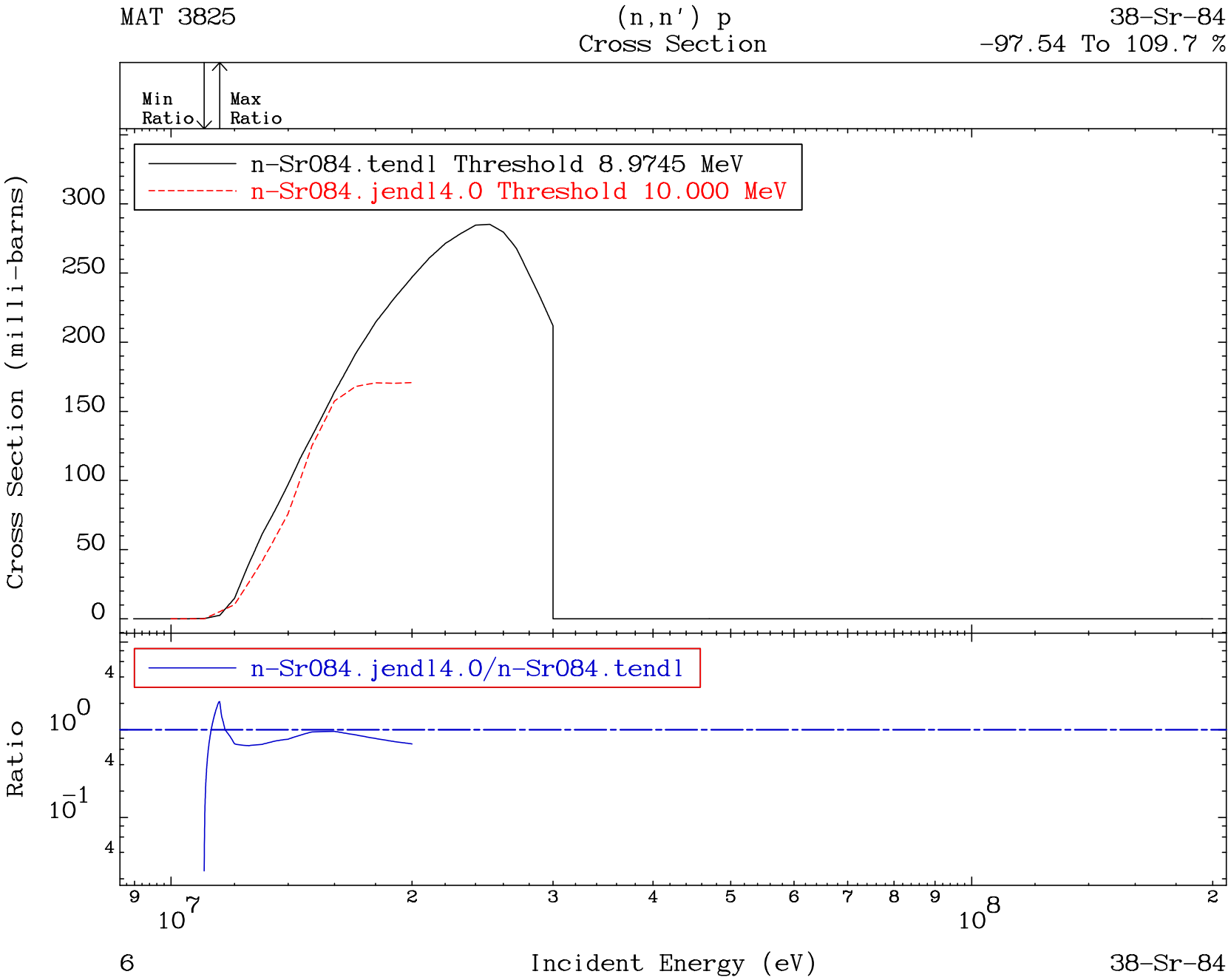

MAT 3825
Total
Cross Section
38-Sr-84
-99.89 To 1854. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
1
38-Sr-84

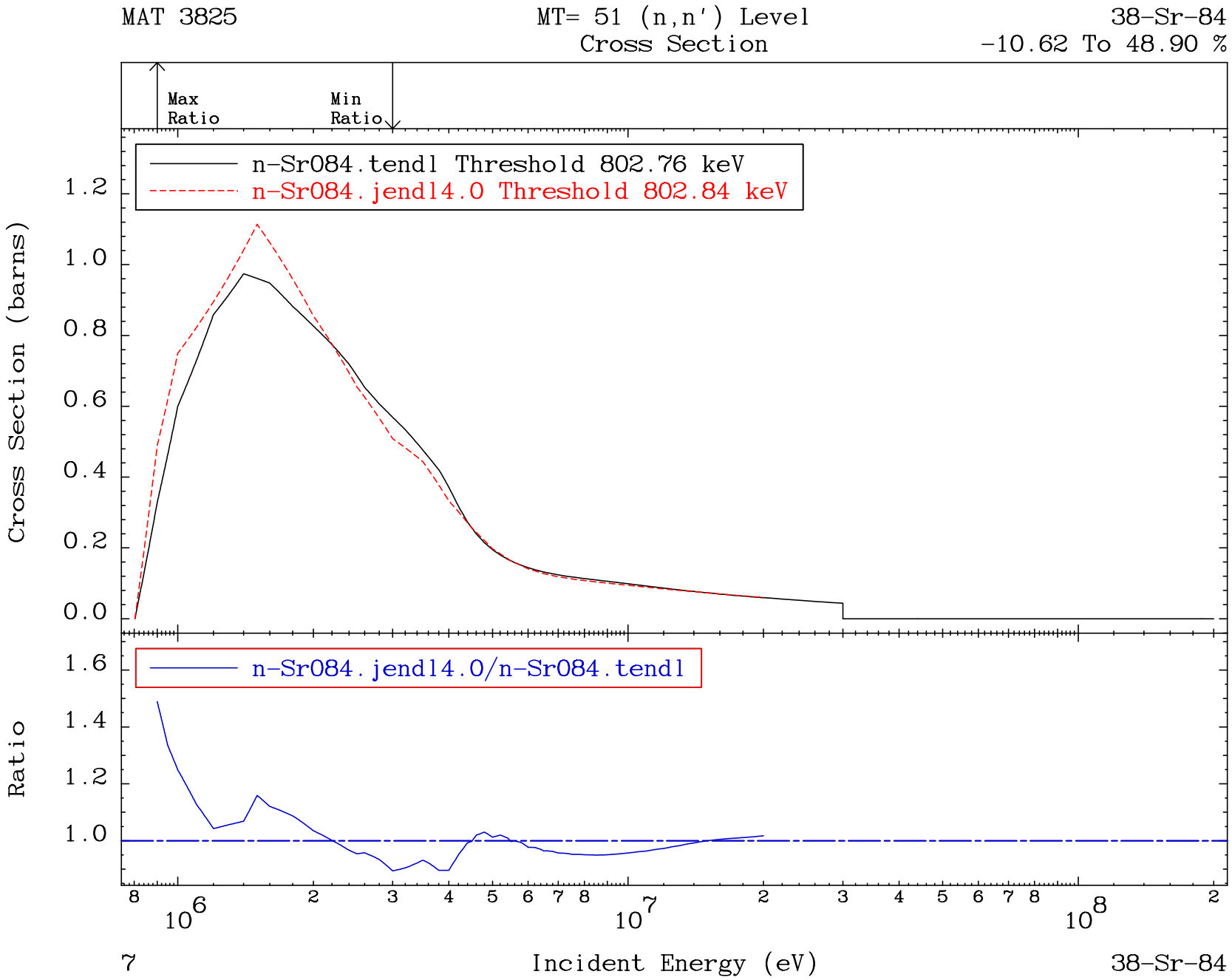

MAT 3825
Elastic
Cross Section
38-Sr-84
-99.91 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
2
38-Sr-84

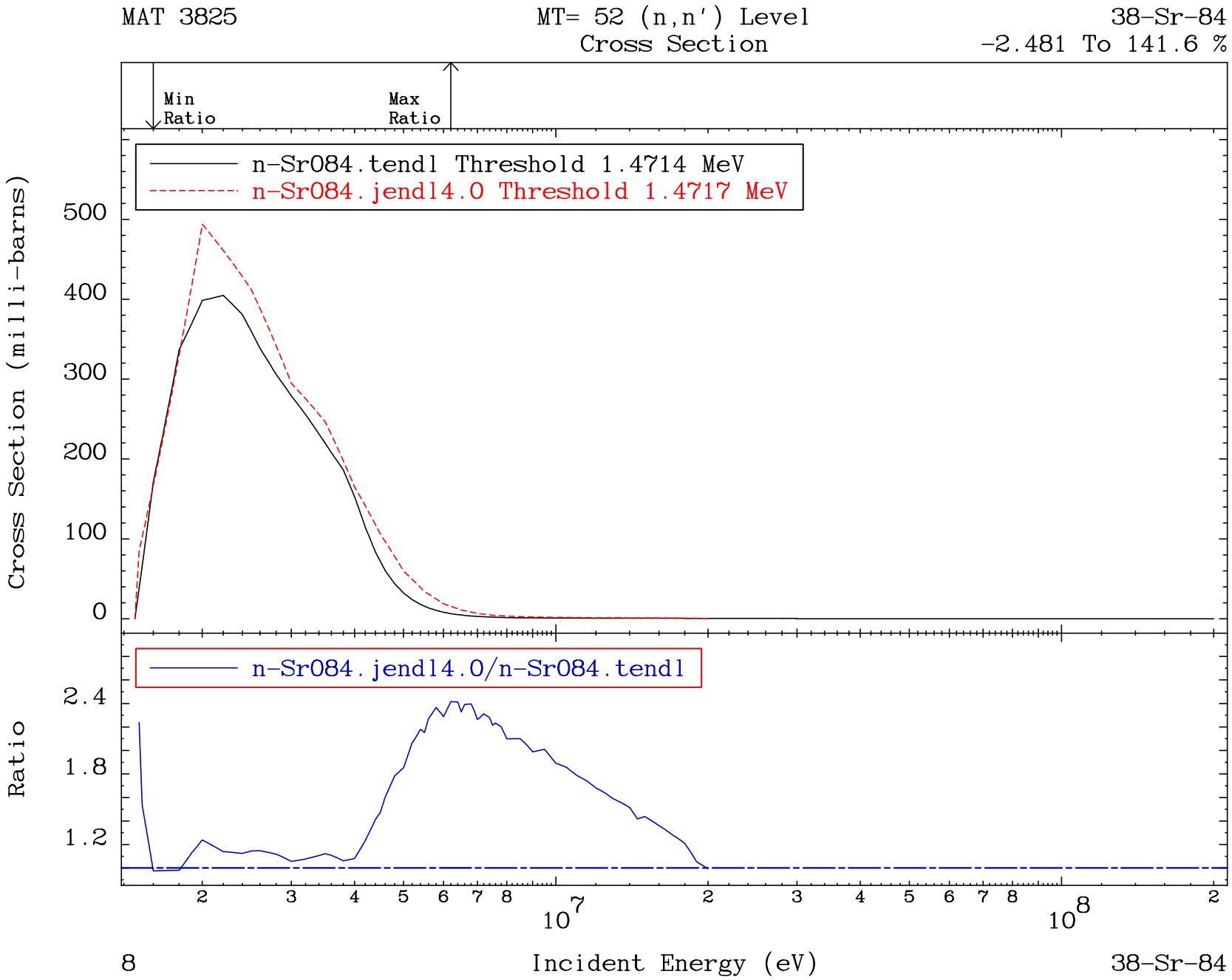

MAT 3825
Inelastic
Cross Section
38-Sr-84
2.445 To 48.90 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 802.76 keV
n-Sr084.jendl4.0 Threshold 802.84 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.6
1.4
1.2
1.0
8 2 3 4 5 6 7 8 2 3 4 5 6 7 8 2
10^6
10^7
10^8
3
Incident Energy (eV)
38-Sr-84

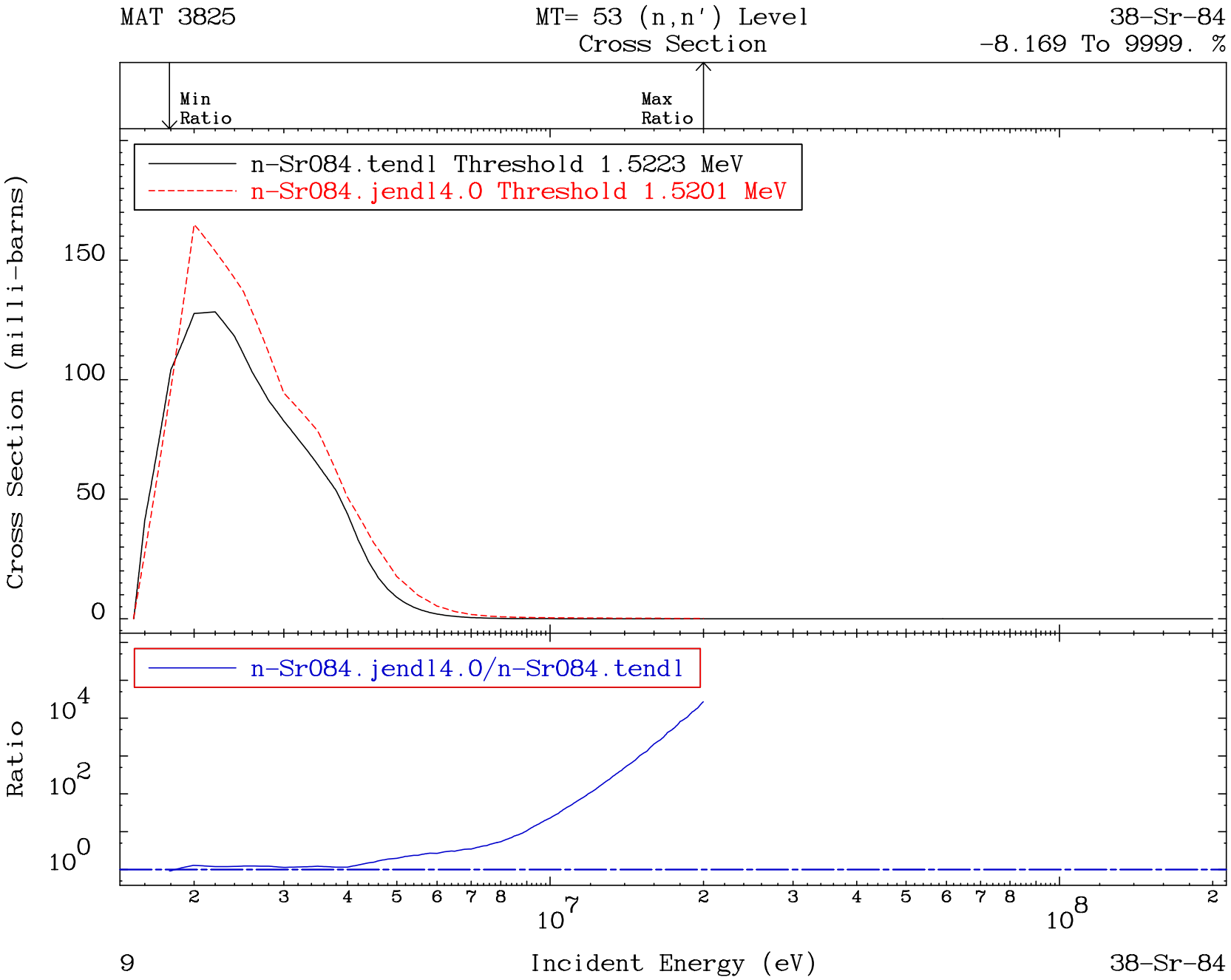

MAT 3825
(n,2n)
Cross Section
38-Sr-84
-12.69 To 17.18 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 12.067 MeV
n-Sr084.jendl4.0 Threshold 12.063 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.2
1.1
1.0
0.9
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
38-Sr-84

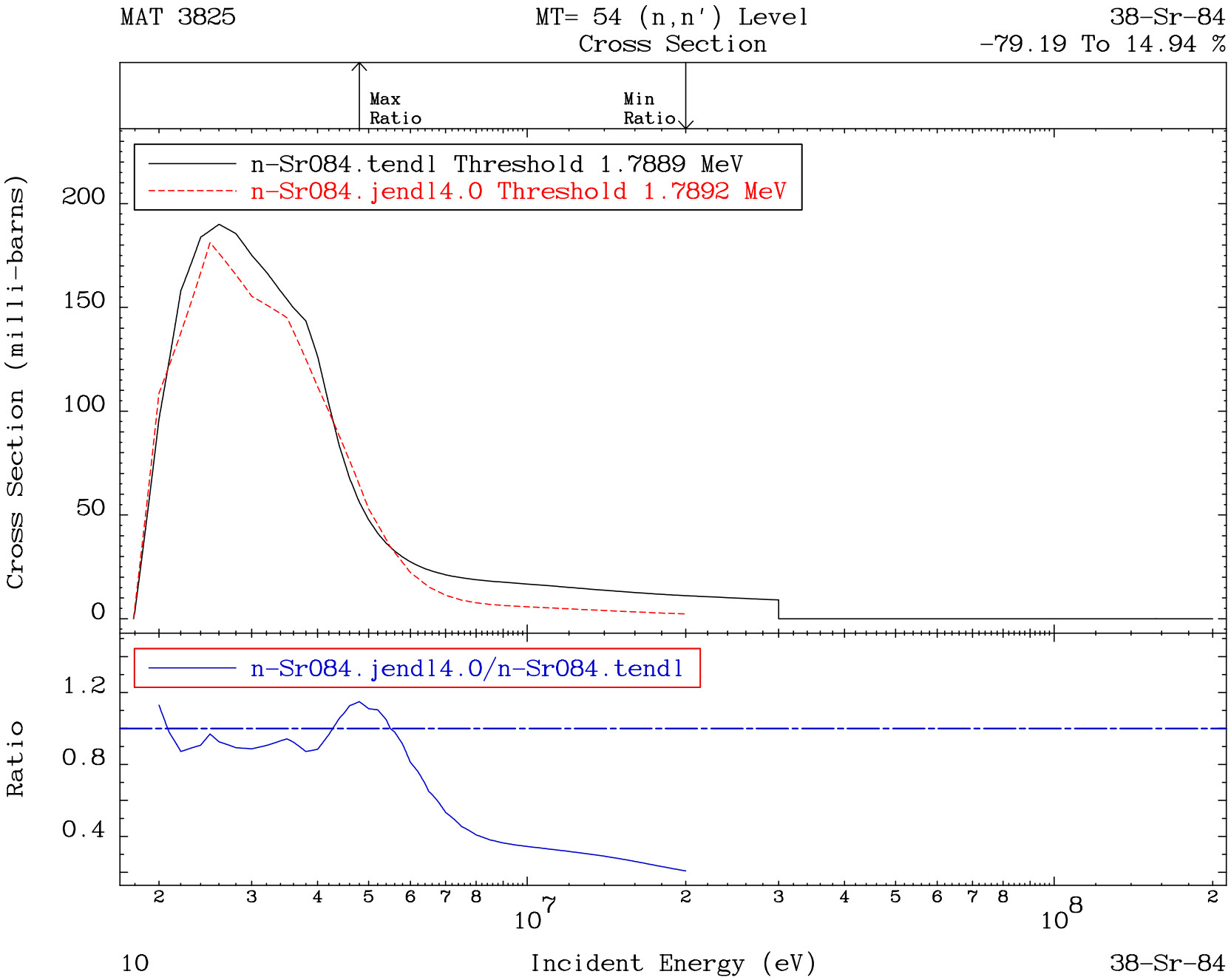

MAT 3825
(n,n') α
Cross Section
38-Sr-84
-70.14 To 88.38 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 5.2434 MeV
n-Sr084.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
2.0
1.5
1.0
0.5
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
38-Sr-84

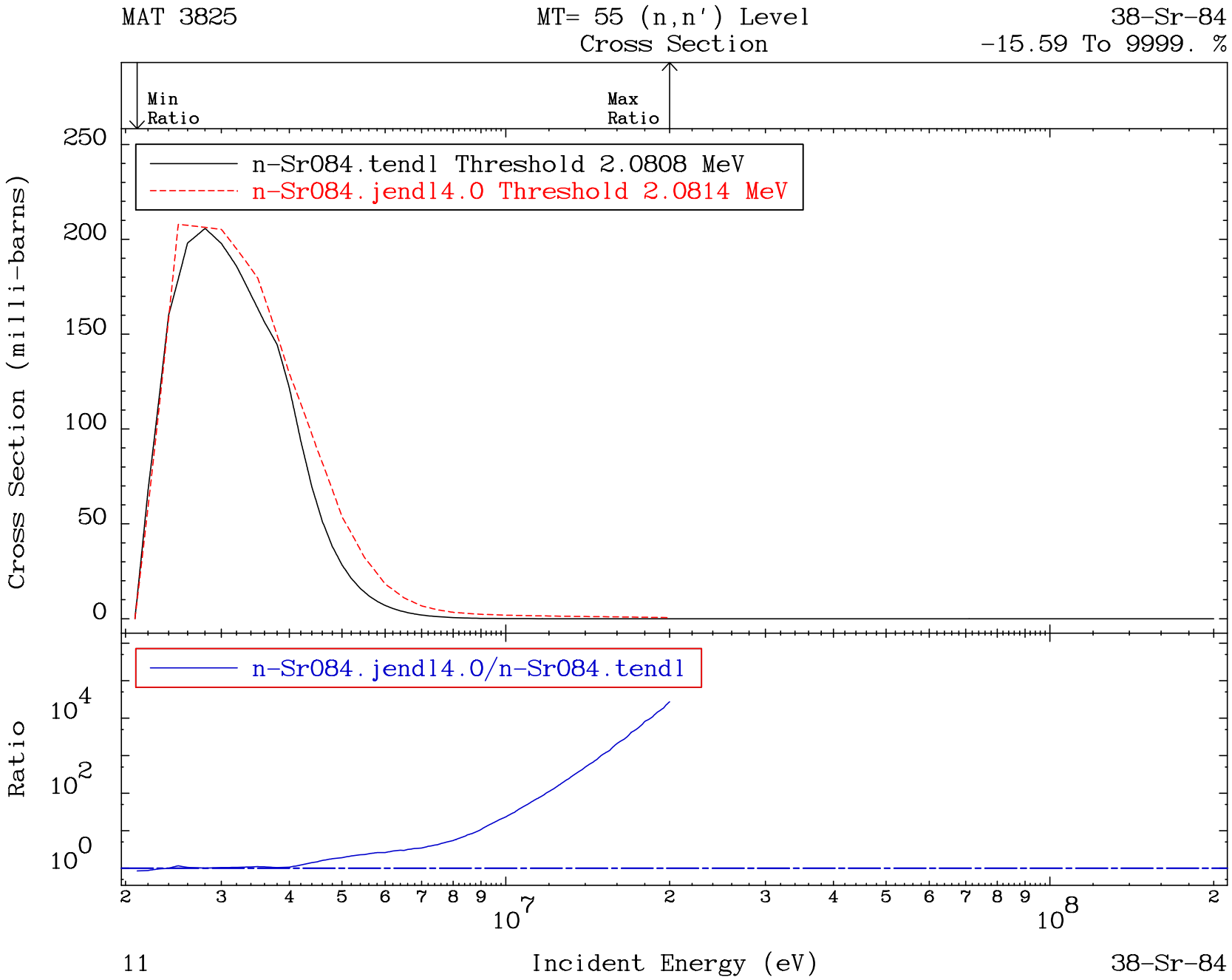

MAT 3825
(n,n') p
Cross Section
38-Sr-84
-97.54 To 109.7 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 8.9745 MeV
n-Sr084.jendl4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
10^-1
9
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
38-Sr-84

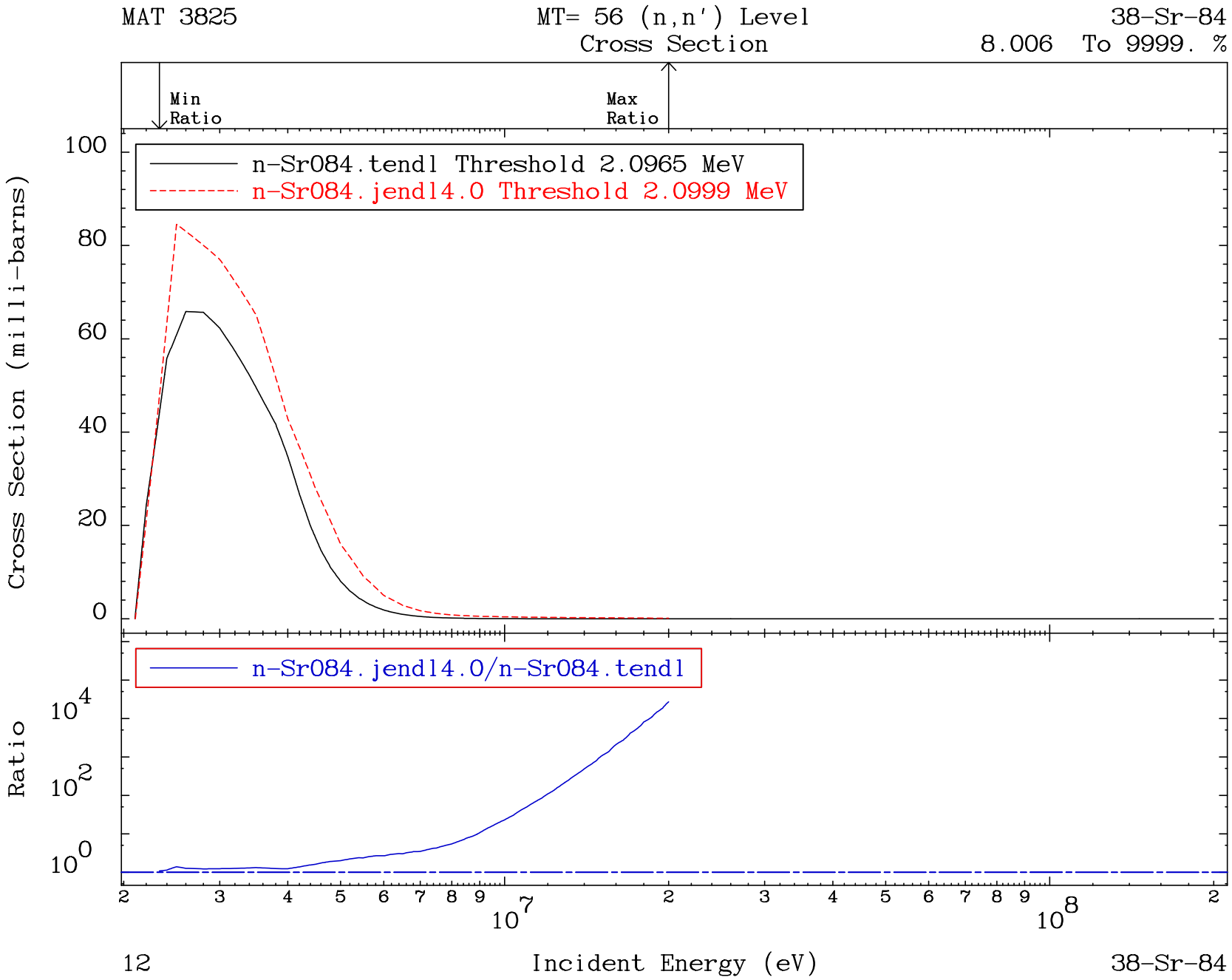

MAT 3825
MT= 51 (n,n') Level
Cross Section
38-Sr-84
-10.62 To 48.90 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 802.76 keV
n-Sr084.jendl4.0 Threshold 802.84 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.6
1.4
1.2
1.0
8
2
3
4
5
6
7
8
10^6
10^7
10^8
7
Incident Energy (eV)
38-Sr-84

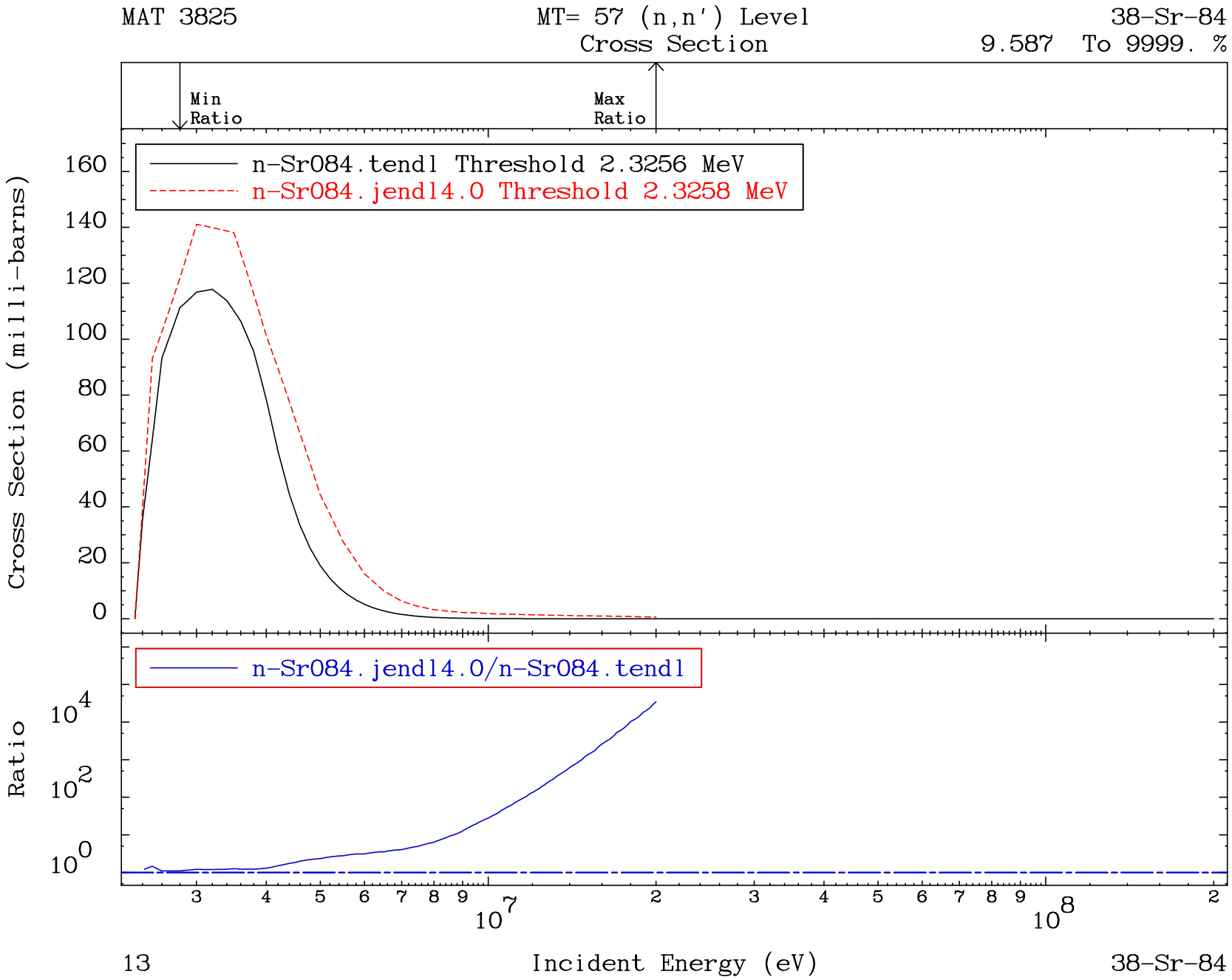

MAT 3825
MT= 52 (n,n') Level
Cross Section
38-Sr-84
-2.481 To 141.6 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 1.4714 MeV
n-Sr084.jendl4.0 Threshold 1.4717 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
2.4
1.8
1.2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
38-Sr-84

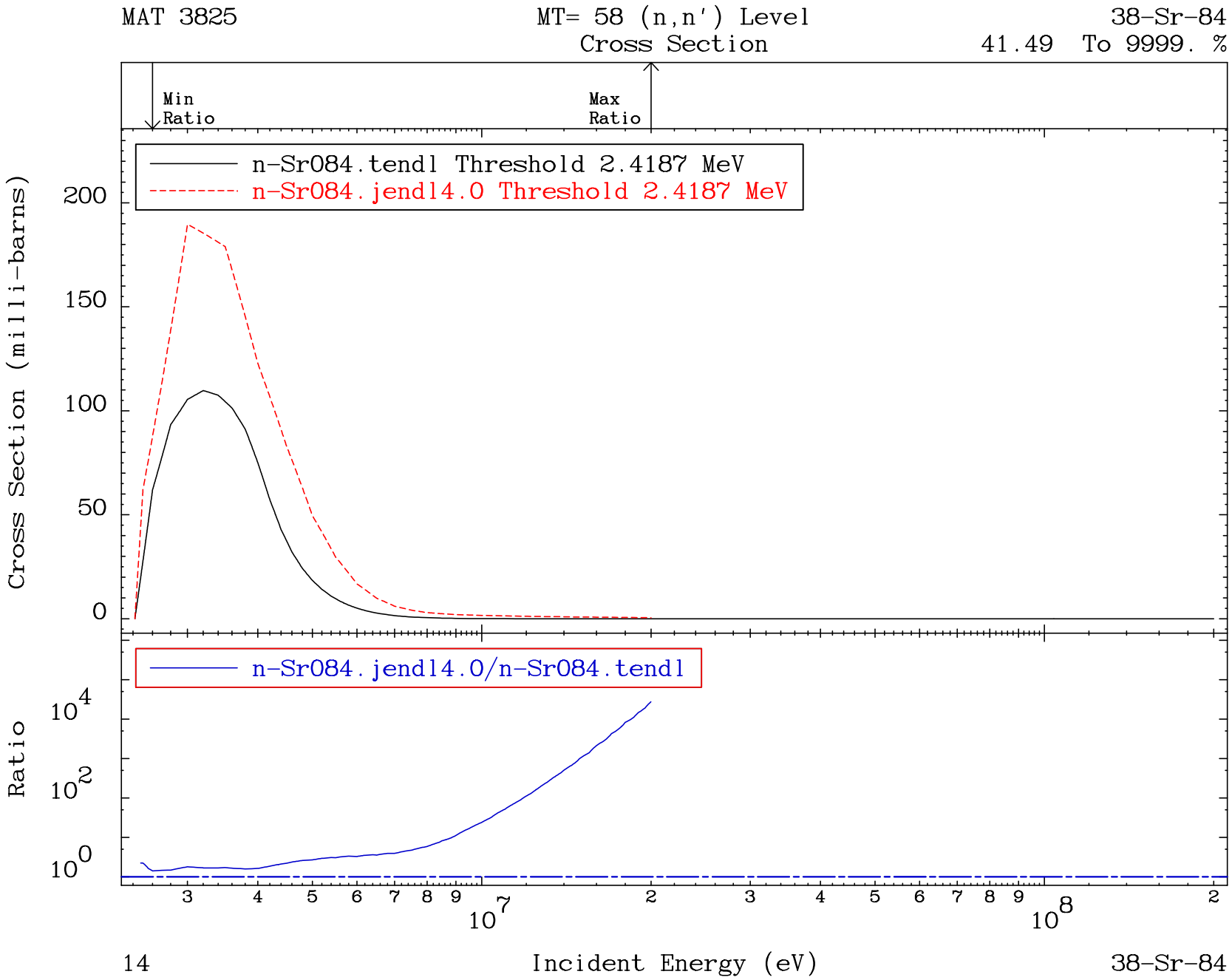

MAT 3825
MT= 53 (n,n') Level
Cross Section
38-Sr-84
-8.169 To 9999. %
Min
Ratio
Max
Ratio
n-Sr084.tendl Threshold 1.5223 MeV
n-Sr084.jendl4.0 Threshold 1.5201 MeV
Cross Section (milli-barns)
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
38-Sr-84

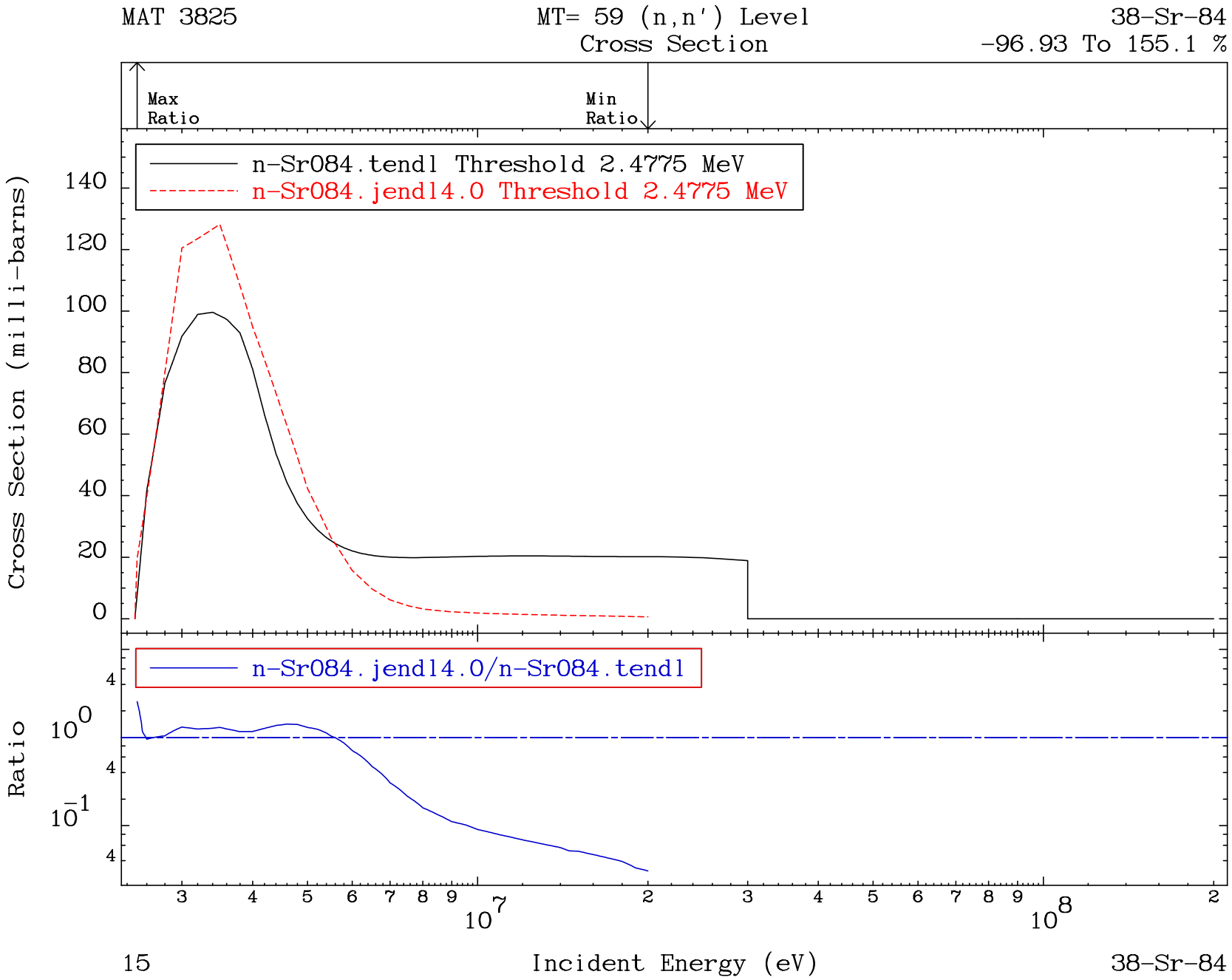

MAT 3825
MT= 54 (n,n') Level
Cross Section
38-Sr-84
-79.19 To 14.94 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 1.7889 MeV
n-Sr084.jendl4.0 Threshold 1.7892 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
38-Sr-84

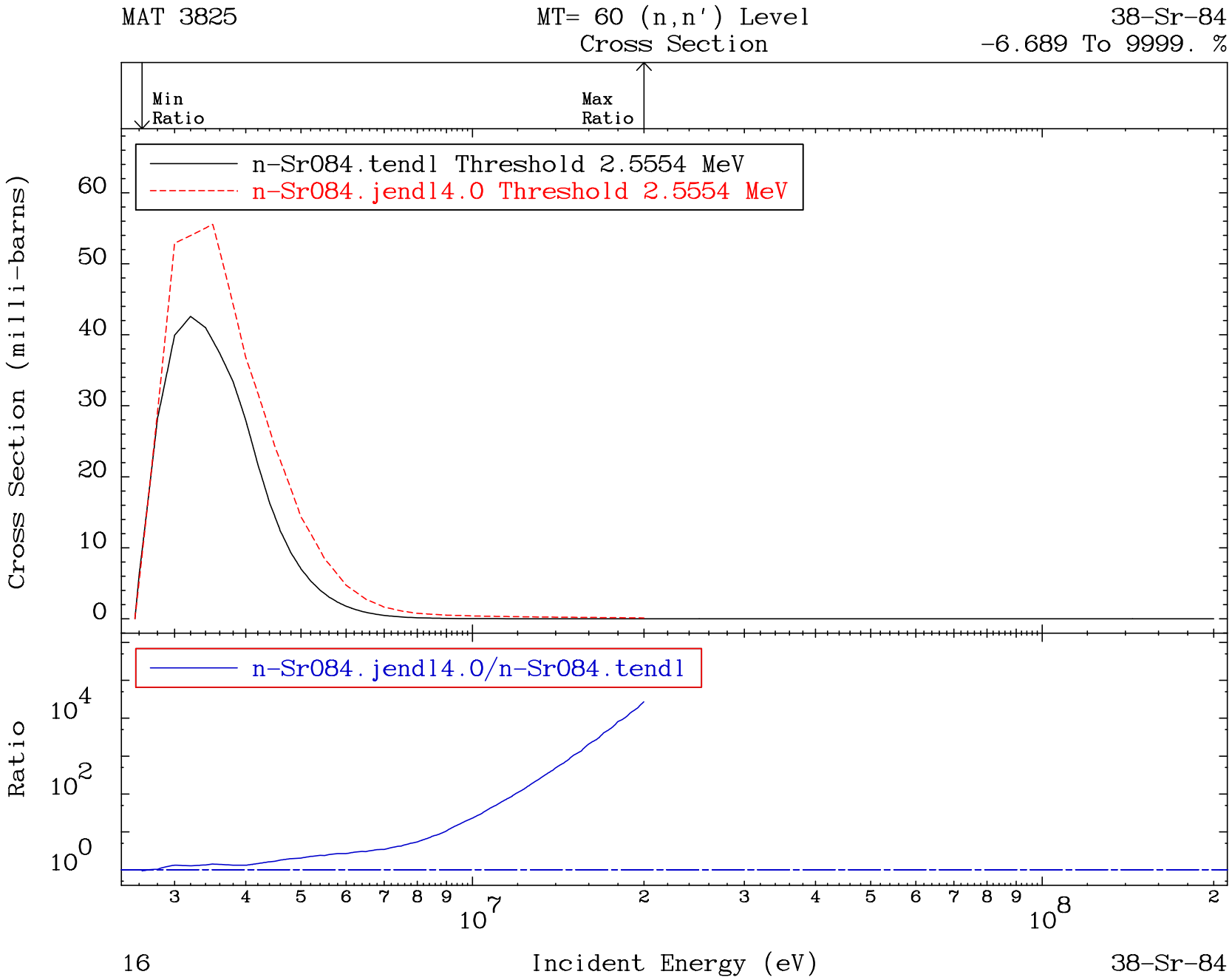

MAT 3825
MT= 55 (n,n') Level
Cross Section
38-Sr-84
-15.59 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.0808 MeV
n-Sr084.jendl4.0 Threshold 2.0814 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
38-Sr-84

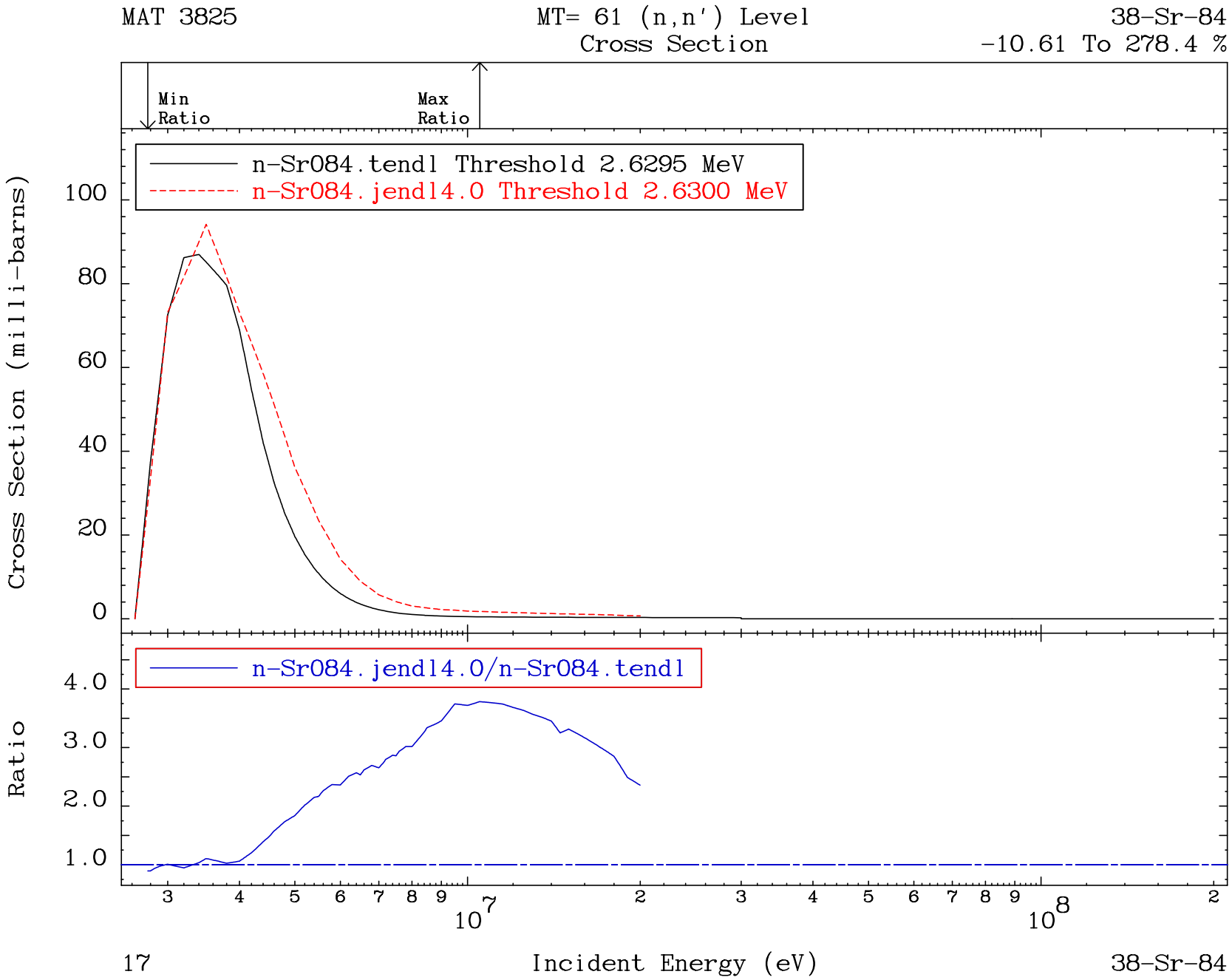

MAT 3825
MT= 56 (n,n') Level
Cross Section
38-Sr-84
8.006 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.0965 MeV
n-Sr084.jendl4.0 Threshold 2.0999 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
38-Sr-84

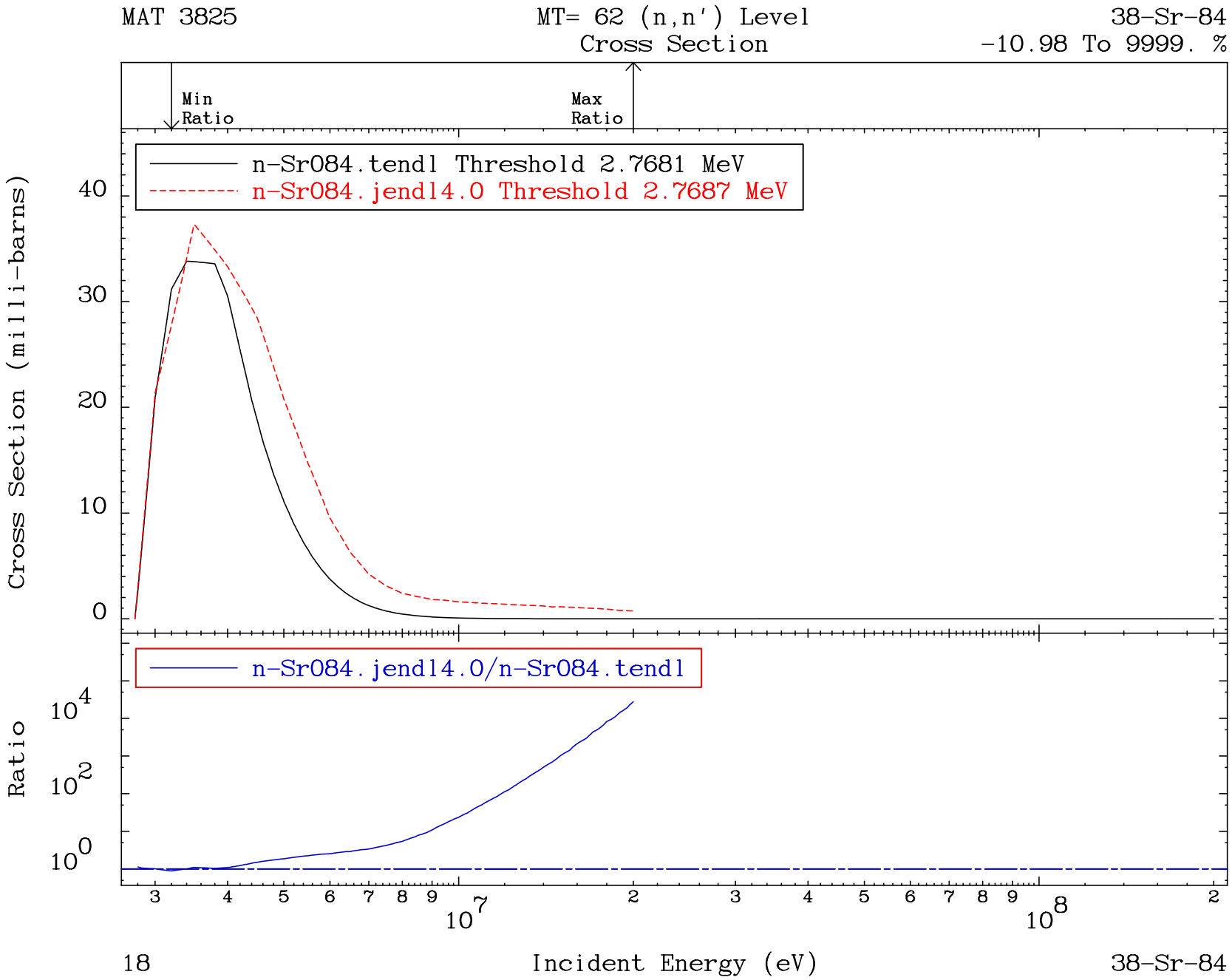

MAT 3825
MT= 57 (n,n') Level
Cross Section
38-Sr-84
9.587 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.3256 MeV
n-Sr084.jendl4.0 Threshold 2.3258 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
38-Sr-84

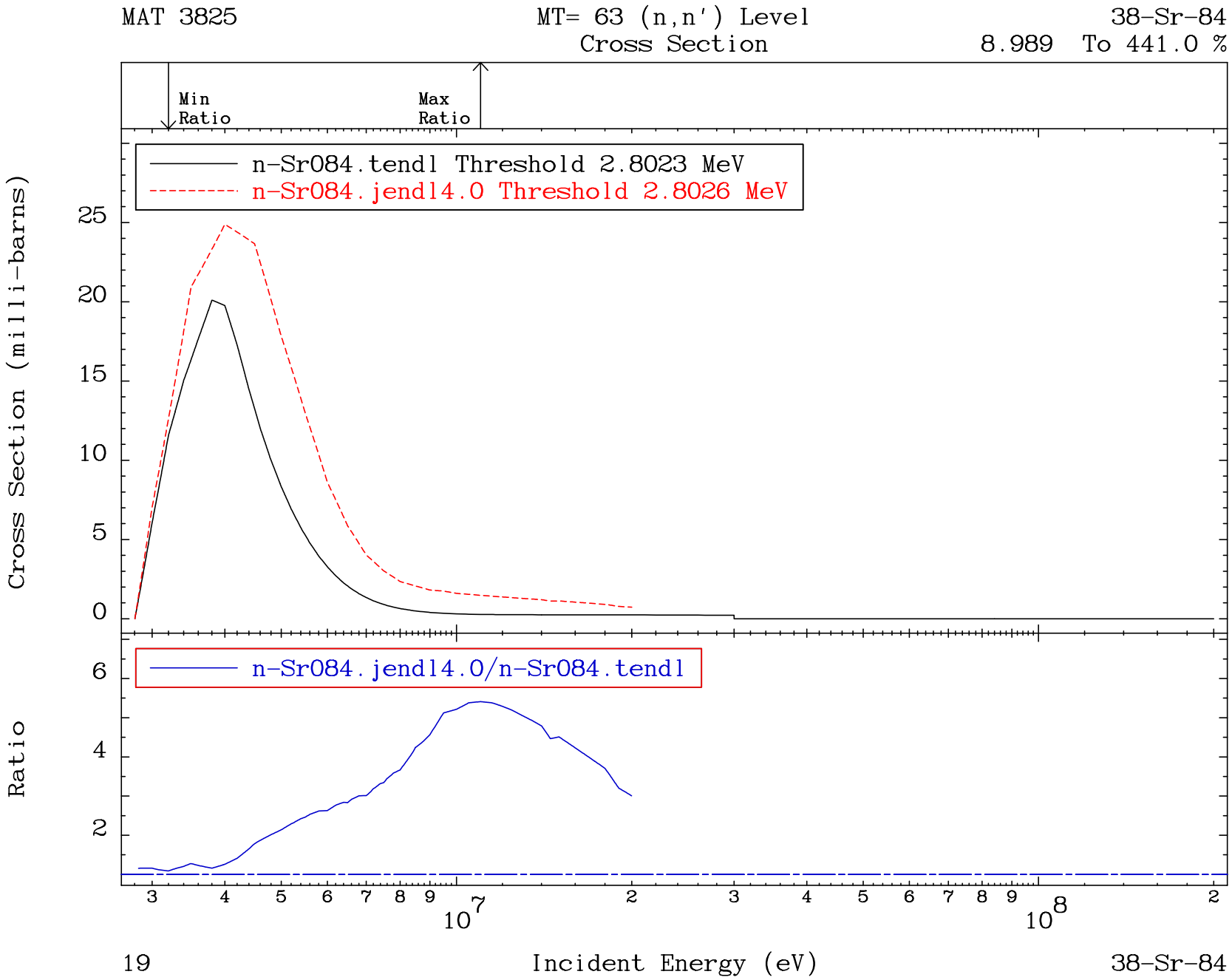

MAT 3825
MT= 58 (n,n') Level
Cross Section
38-Sr-84
41.49 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.4187 MeV
n-Sr084.jendl4.0 Threshold 2.4187 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
38-Sr-84

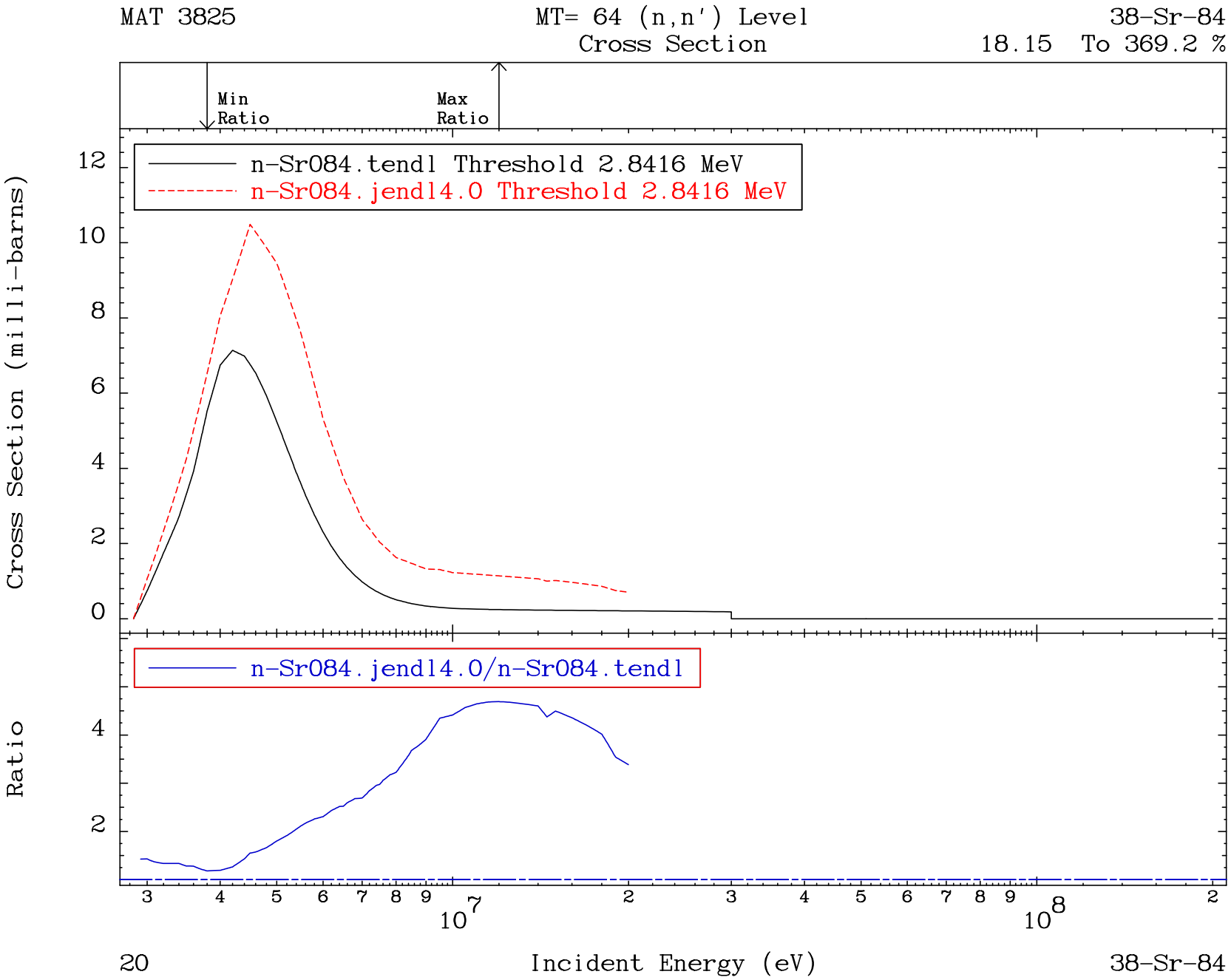

MAT 3825
MT= 59 (n,n') Level
Cross Section
38-Sr-84
-96.93 To 155.1 %
Max
Ratio
Min
Ratio
n-Sr084.tendl Threshold 2.4775 MeV
n-Sr084.jendl4.0 Threshold 2.4775 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
38-Sr-84

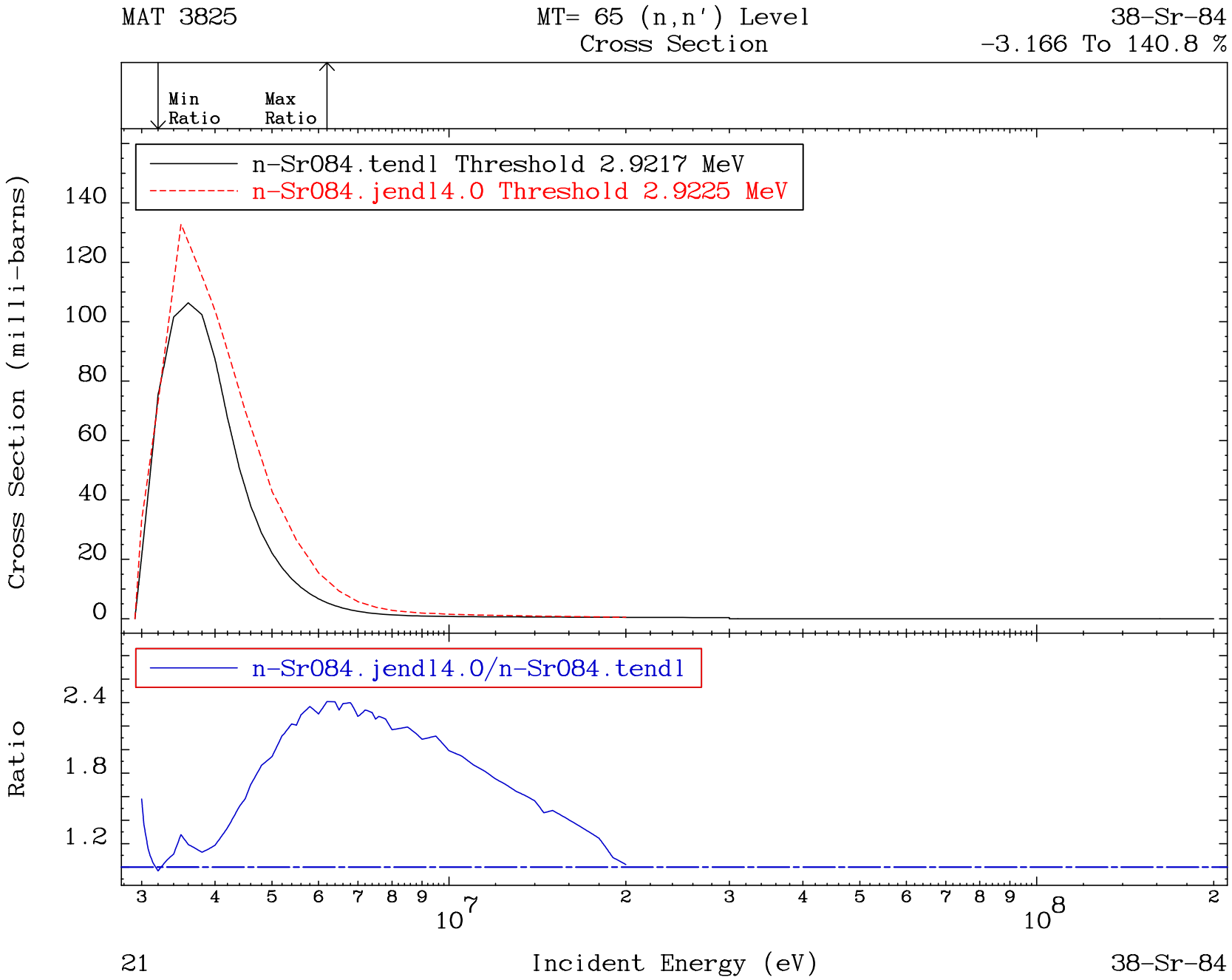

MAT 3825
MT= 60 (n,n') Level
Cross Section
38-Sr-84
-6.689 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.5554 MeV
n-Sr084.jendl4.0 Threshold 2.5554 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
38-Sr-84

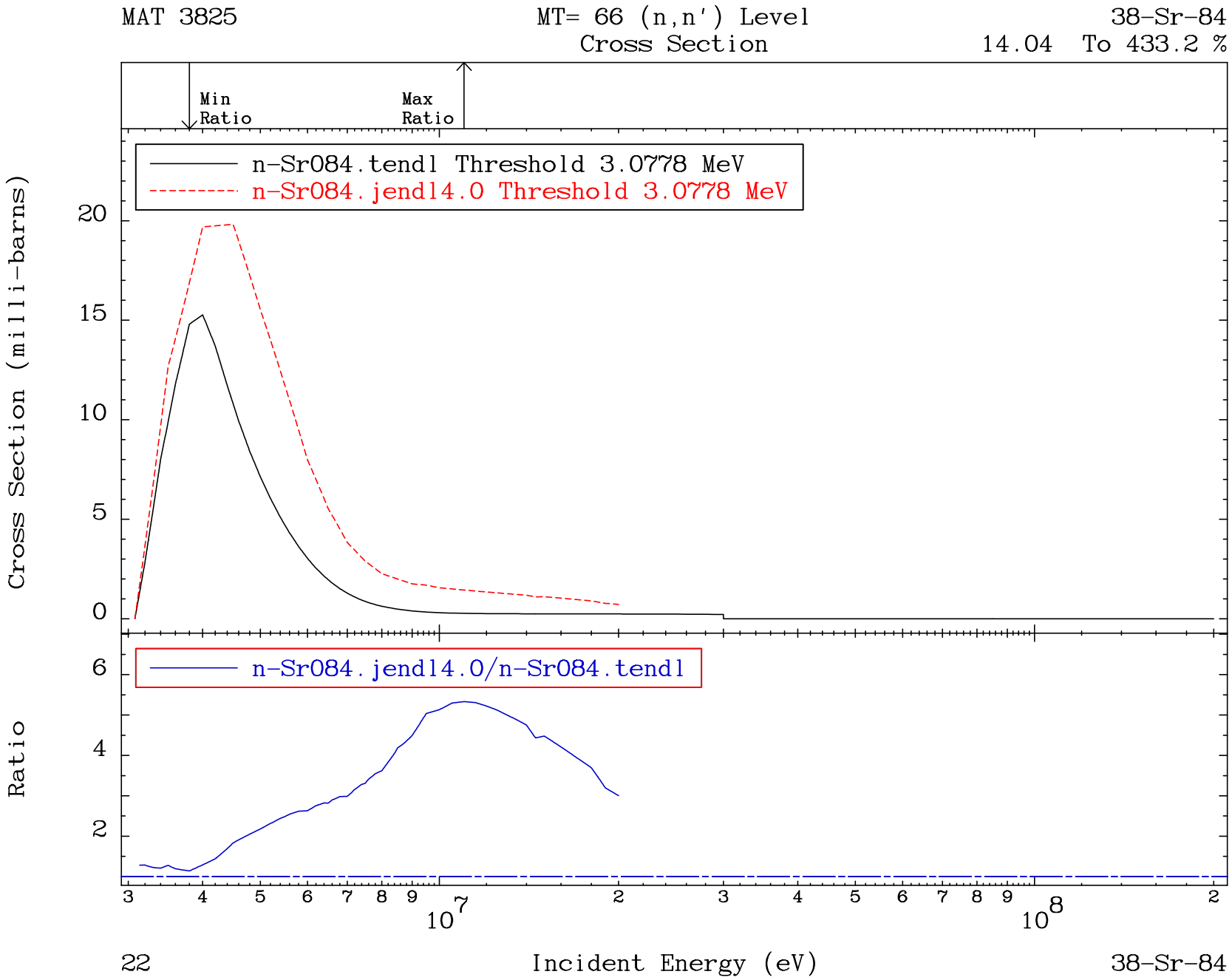

MAT 3825
MT= 61 (n,n') Level
Cross Section
38-Sr-84
-10.61 To 278.4 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.6295 MeV
n-Sr084.jendl4.0 Threshold 2.6300 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
4.0
3.0
2.0
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
38-Sr-84

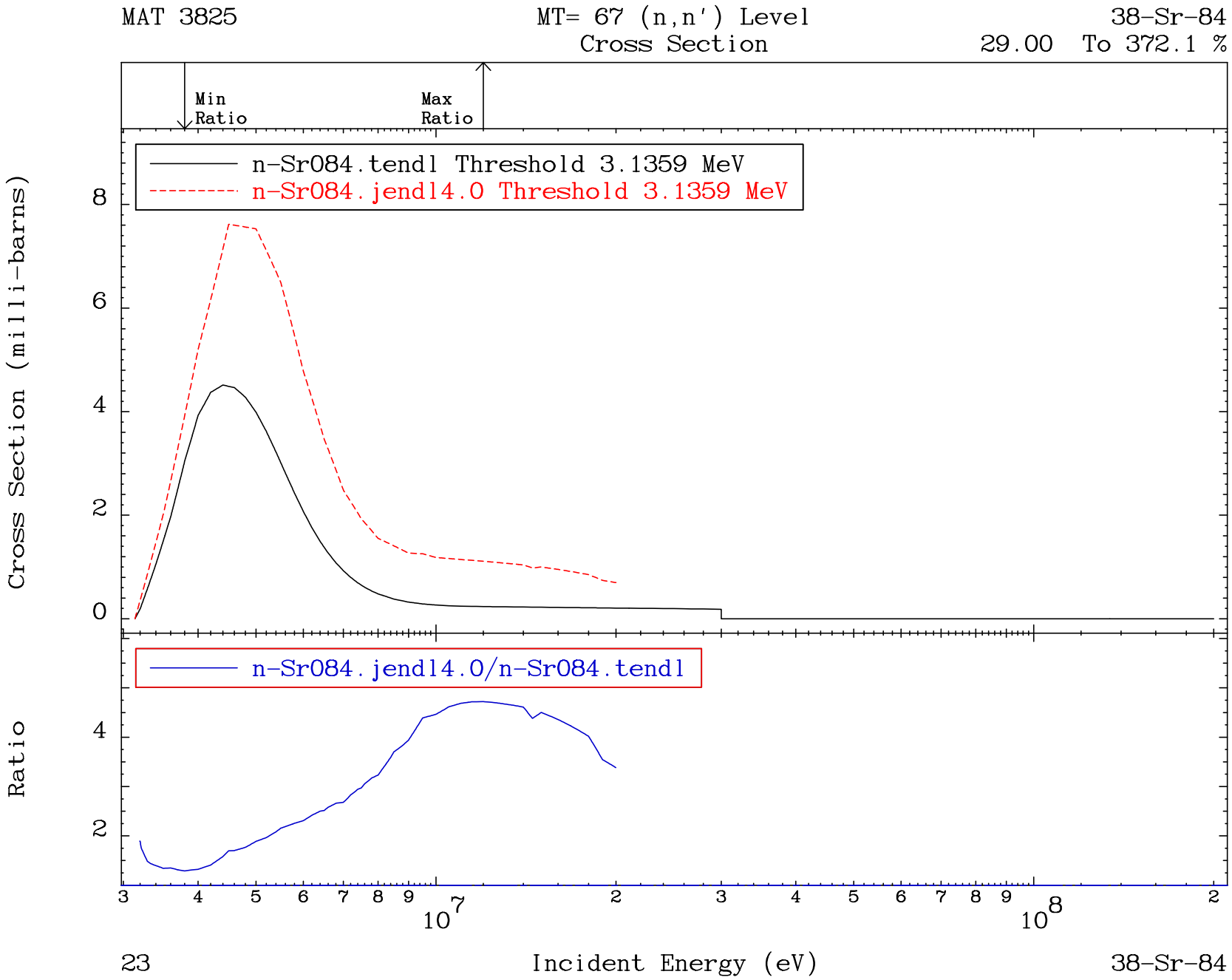

MAT 3825
MT= 62 (n,n') Level
Cross Section
38-Sr-84
-10.98 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.7681 MeV
n-Sr084.jendl4.0 Threshold 2.7687 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
38-Sr-84

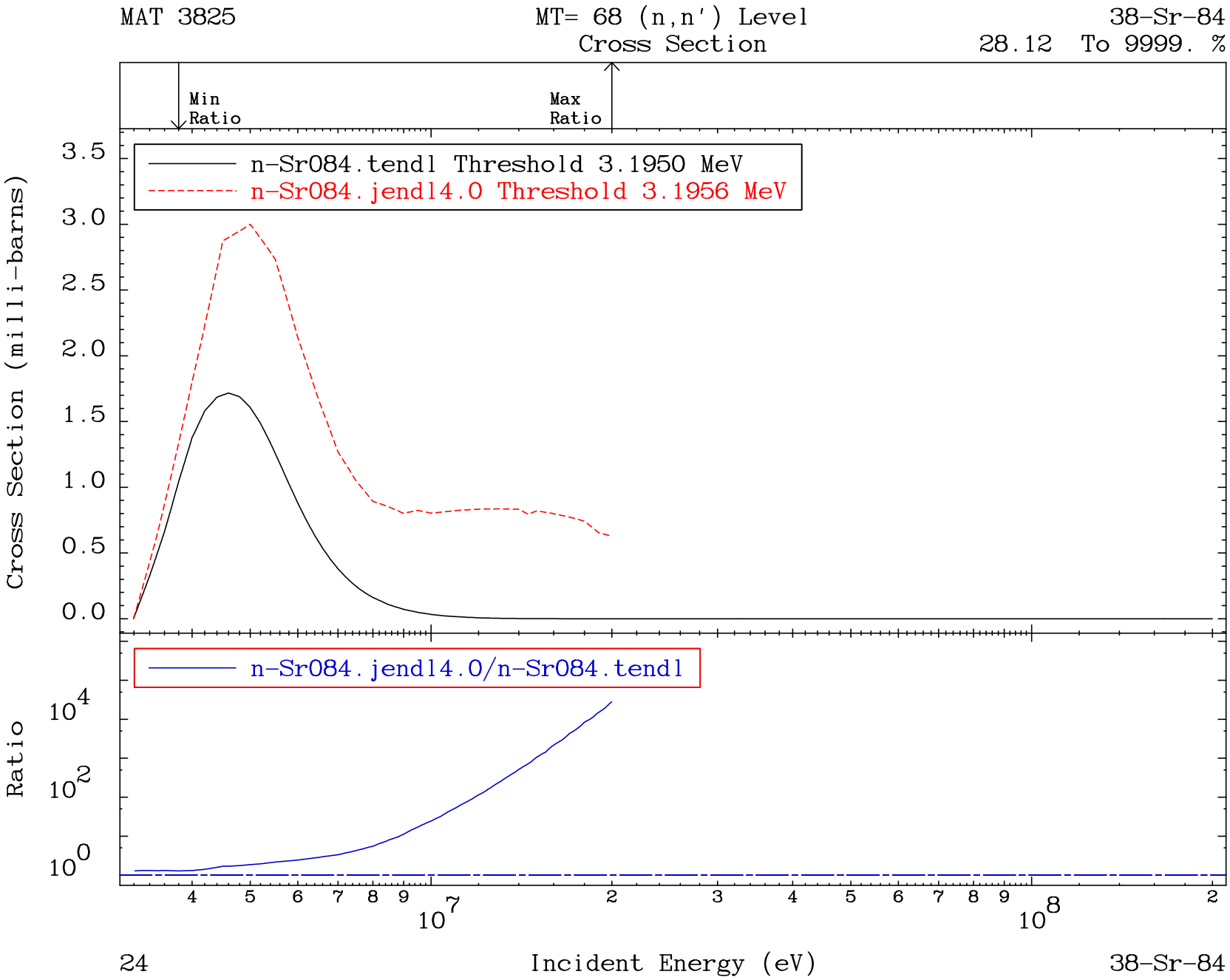

MAT 3825
MT= 63 (n,n') Level
Cross Section
38-Sr-84
8.989 To 441.0 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.8023 MeV
n-Sr084.jendl4.0 Threshold 2.8026 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
38-Sr-84

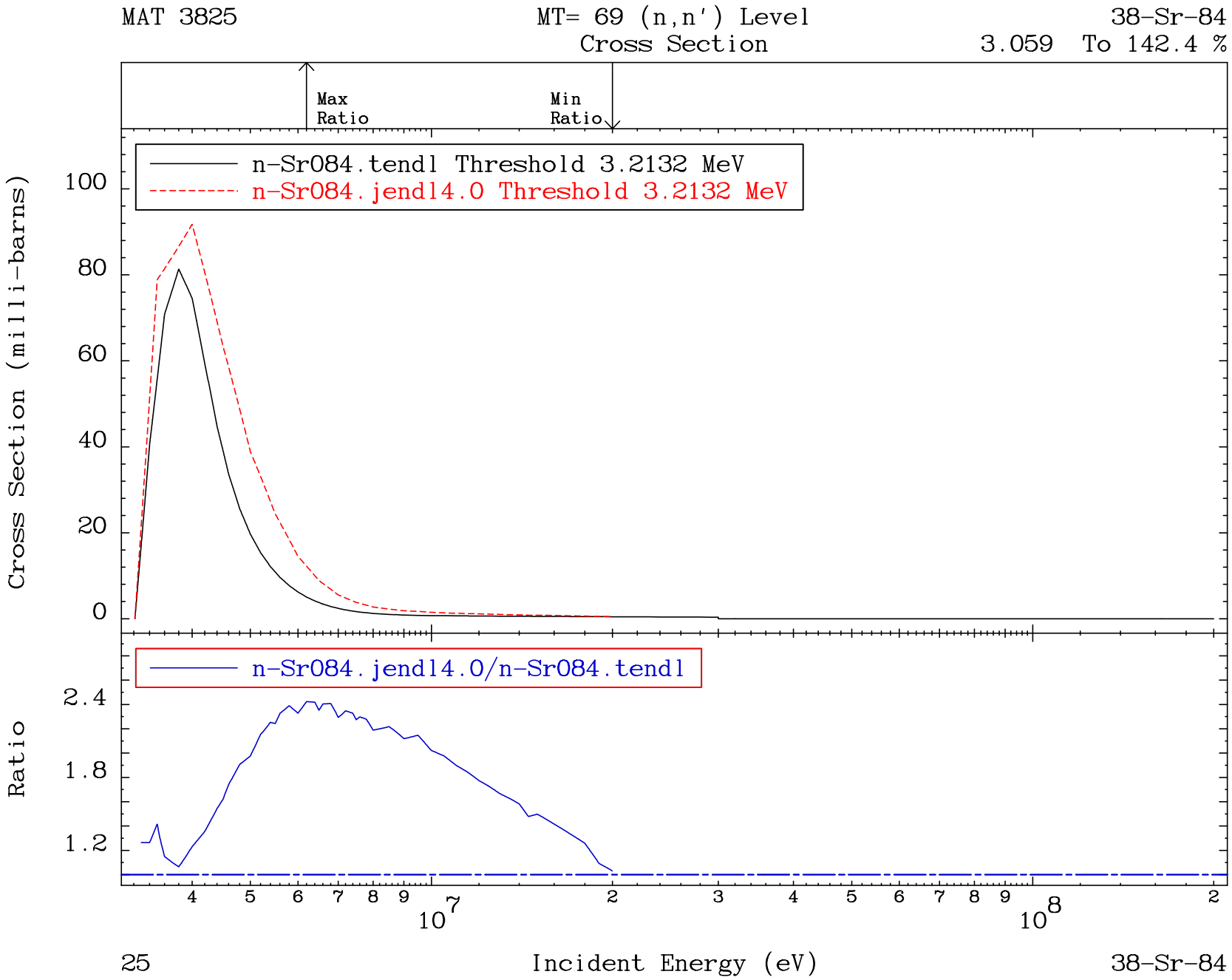

MAT 3825
MT= 64 (n,n') Level
Cross Section
38-Sr-84
18.15 To 369.2 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.8416 MeV
n-Sr084.jendl4.0 Threshold 2.8416 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
38-Sr-84

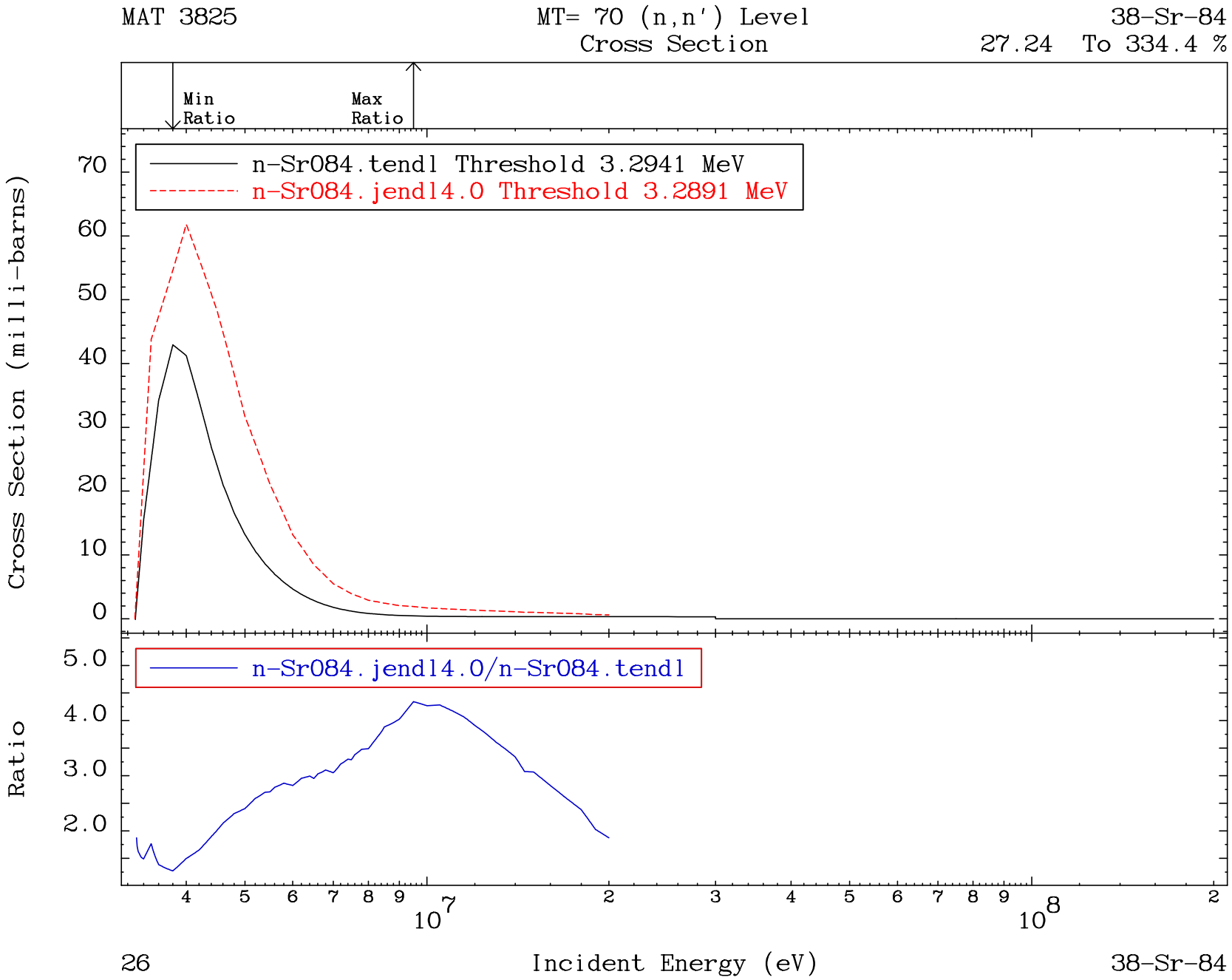

MAT 3825
MT= 65 (n,n') Level
Cross Section
38-Sr-84
-3.166 To 140.8 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 2.9217 MeV
n-Sr084.jendl4.0 Threshold 2.9225 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
2.4
1.8
1.2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
38-Sr-84

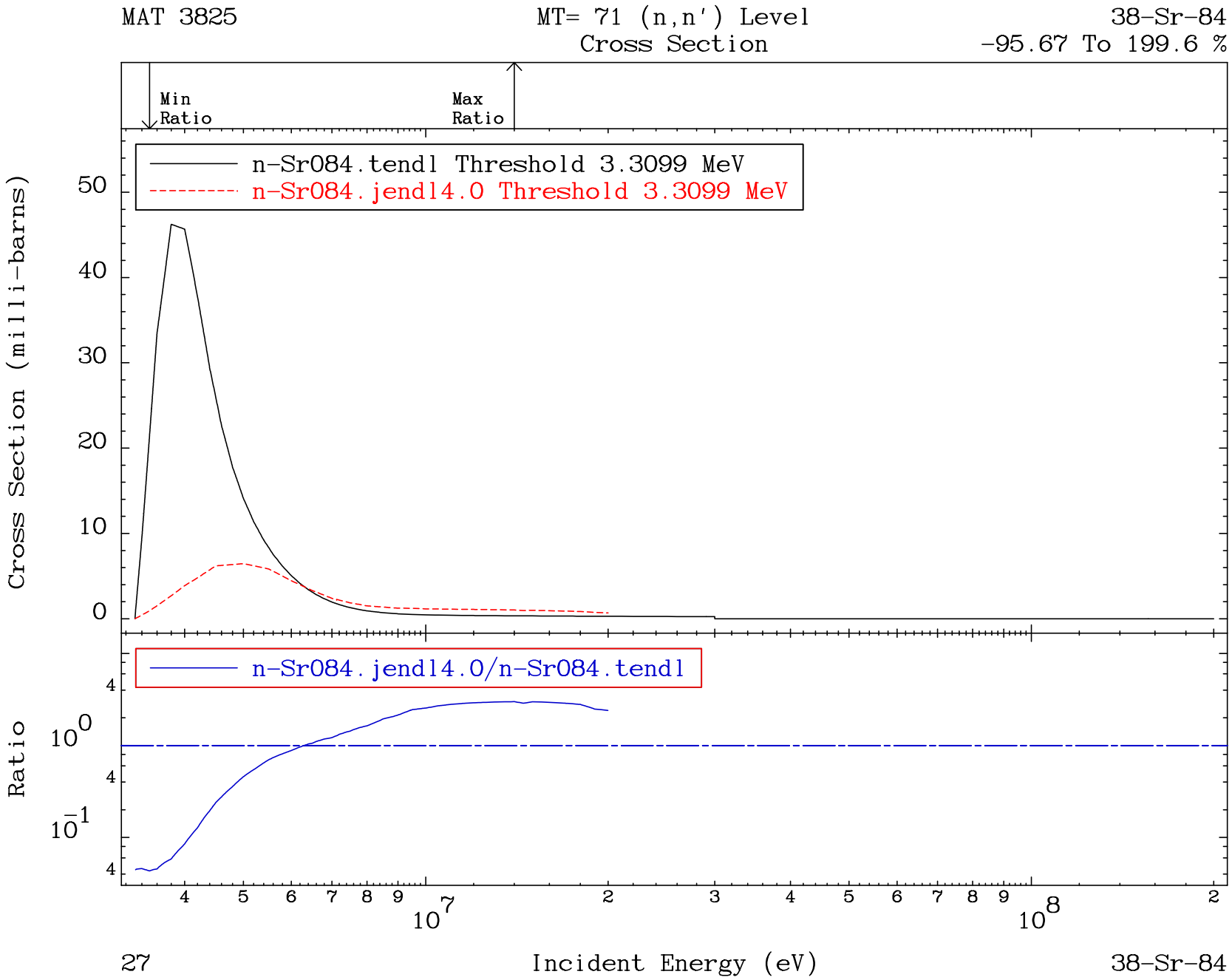

MAT 3825
MT= 66 (n,n') Level
Cross Section
38-Sr-84
14.04 To 433.2 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 3.0778 MeV
n-Sr084.jendl4.0 Threshold 3.0778 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
38-Sr-84

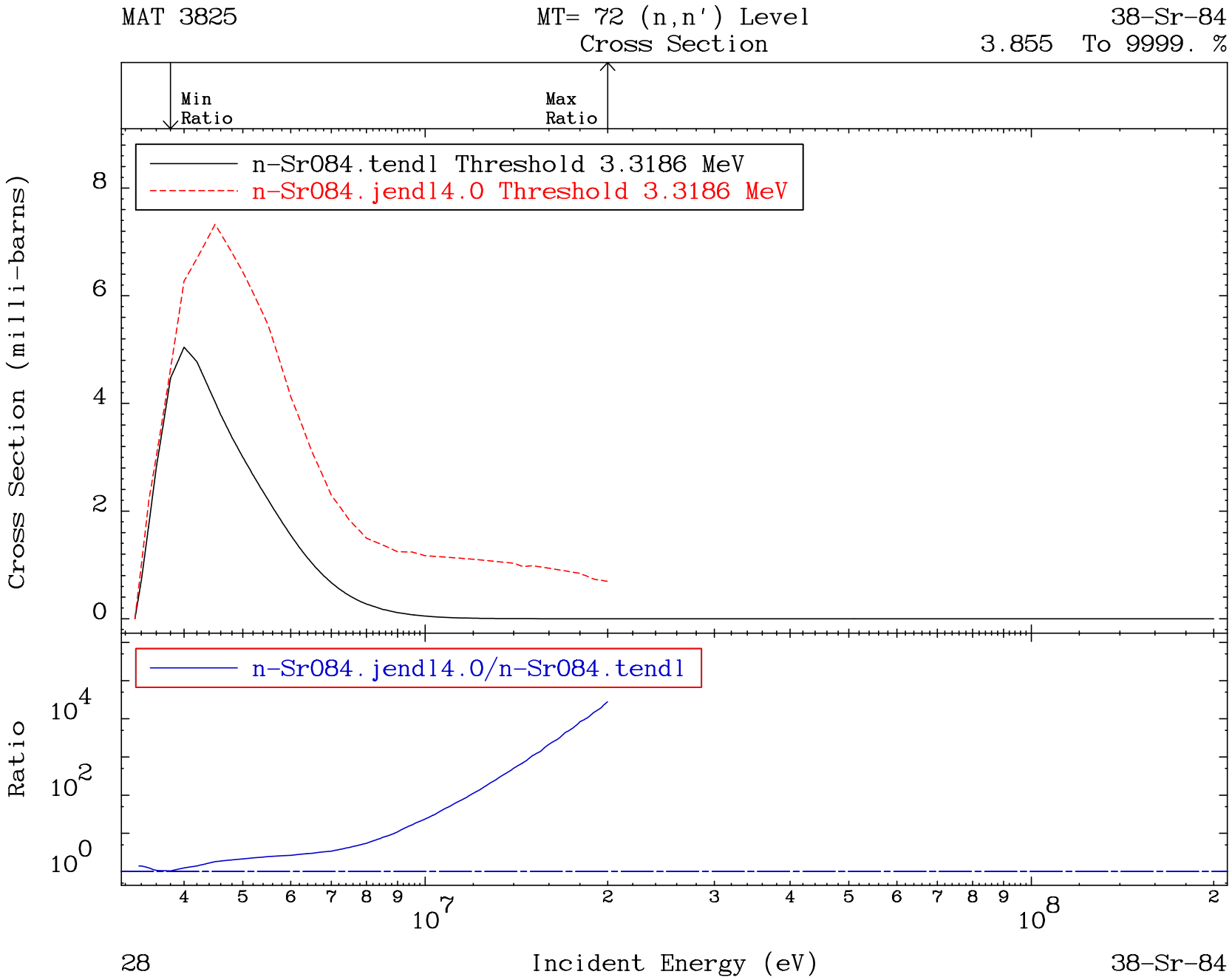

MAT 3825
MT= 67 (n,n') Level
Cross Section
38-Sr-84
29.00 To 372.1 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 3.1359 MeV
n-Sr084.jendl4.0 Threshold 3.1359 MeV
Cross Section (milli-barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
23
38-Sr-84

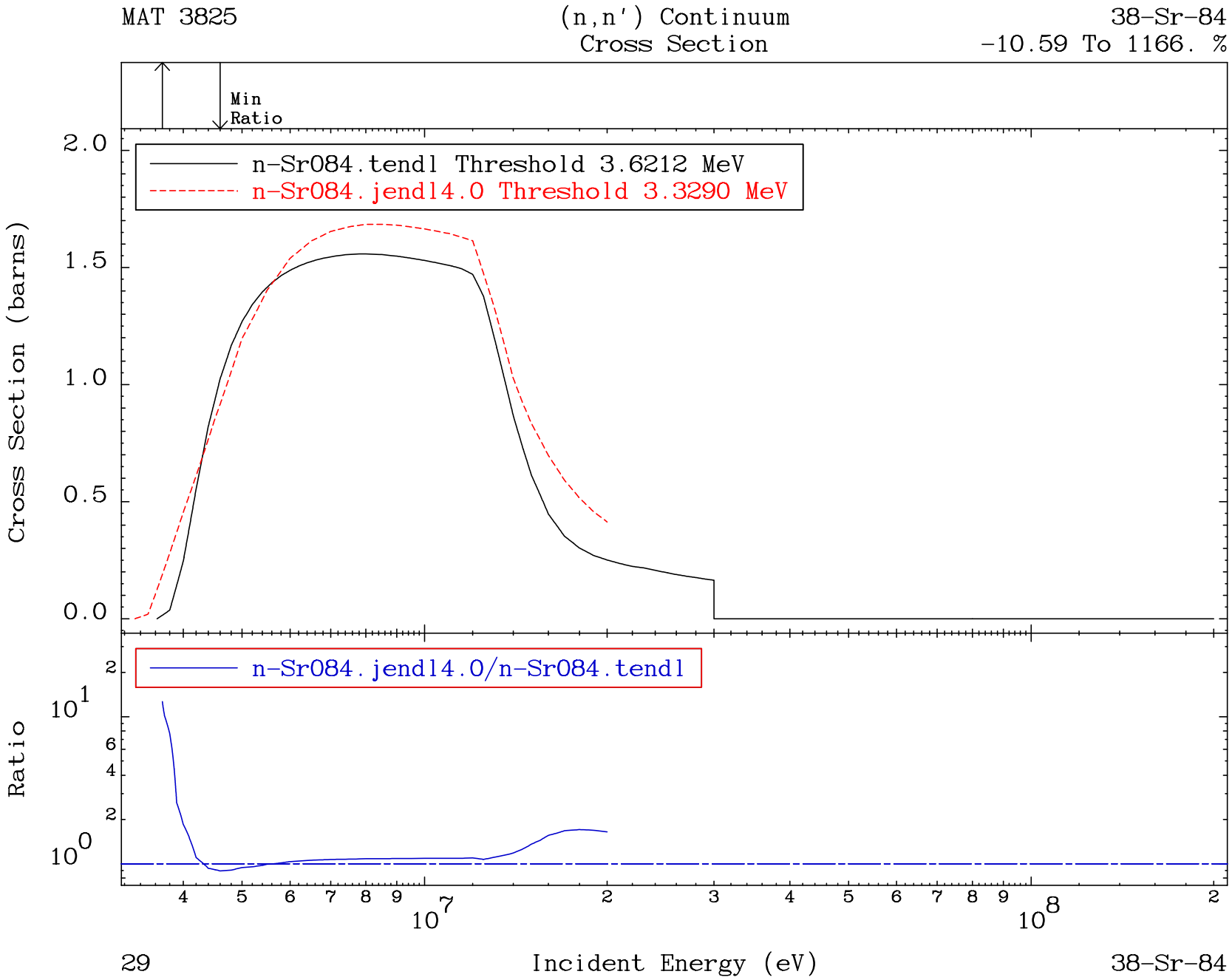

MAT 3825
MT= 68 (n,n') Level
Cross Section
38-Sr-84
28.12 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 3.1950 MeV
n-Sr084.jendl4.0 Threshold 3.1956 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
38-Sr-84

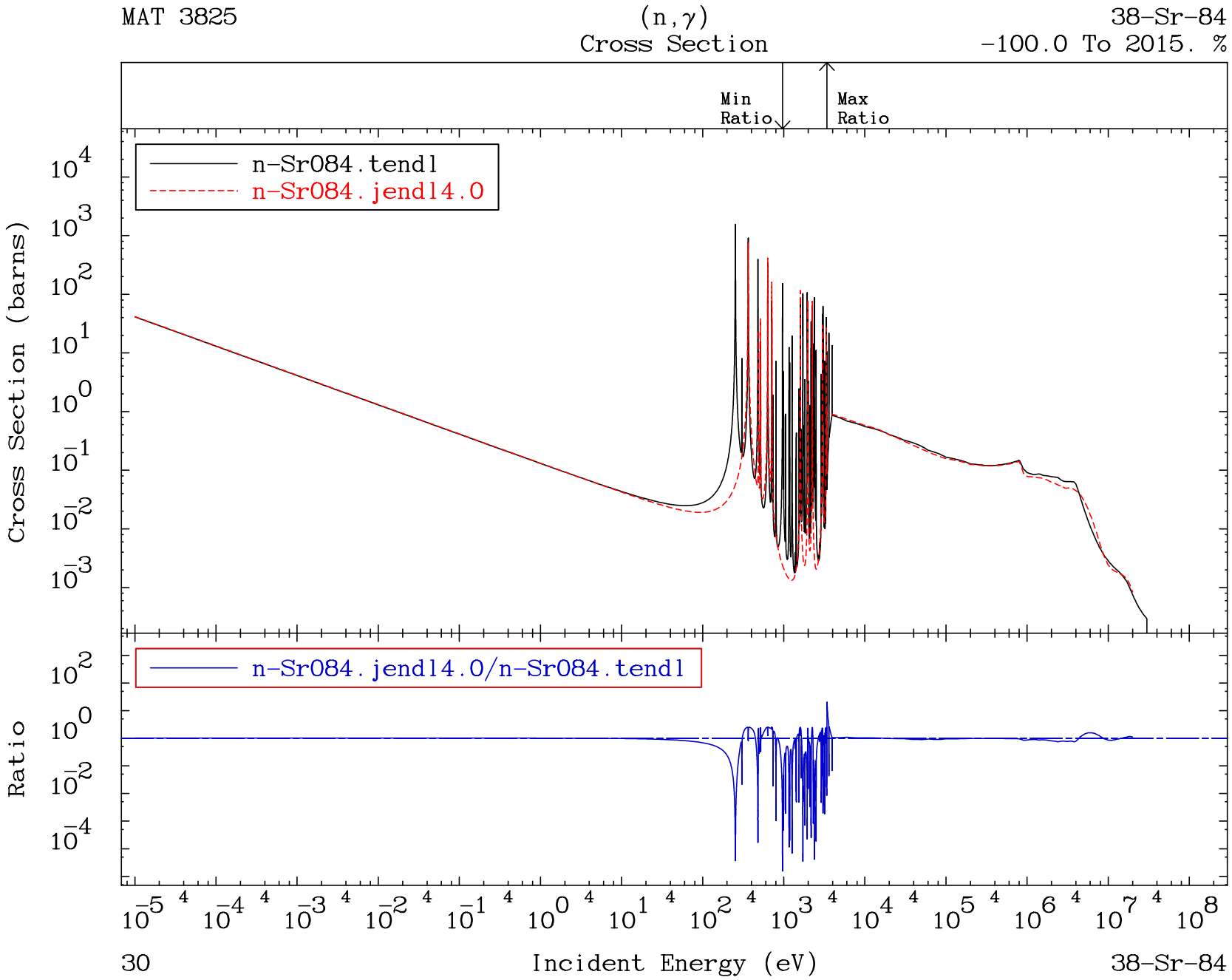

MAT 3825
MT= 69 (n,n') Level
Cross Section
38-Sr-84
3.059 To 142.4 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 3.2132 MeV
n-Sr084.jendl4.0 Threshold 3.2132 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
2.4
1.8
1.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
38-Sr-84

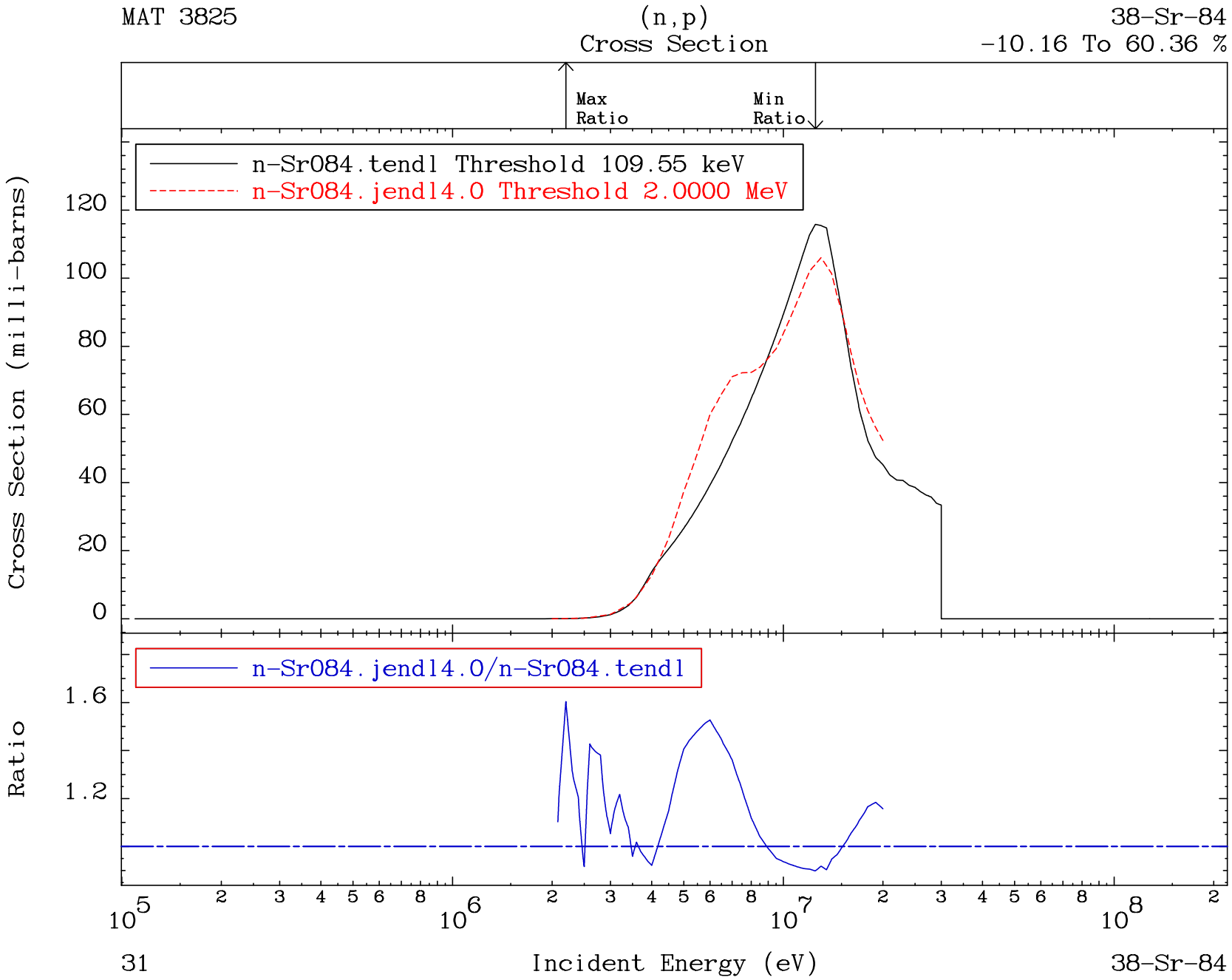

MAT 3825
MT= 70 (n,n') Level
Cross Section
38-Sr-84
27.24 To 334.4 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 3.2941 MeV
n-Sr084.jendl4.0 Threshold 3.2891 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
5.0
4.0
3.0
2.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
38-Sr-84

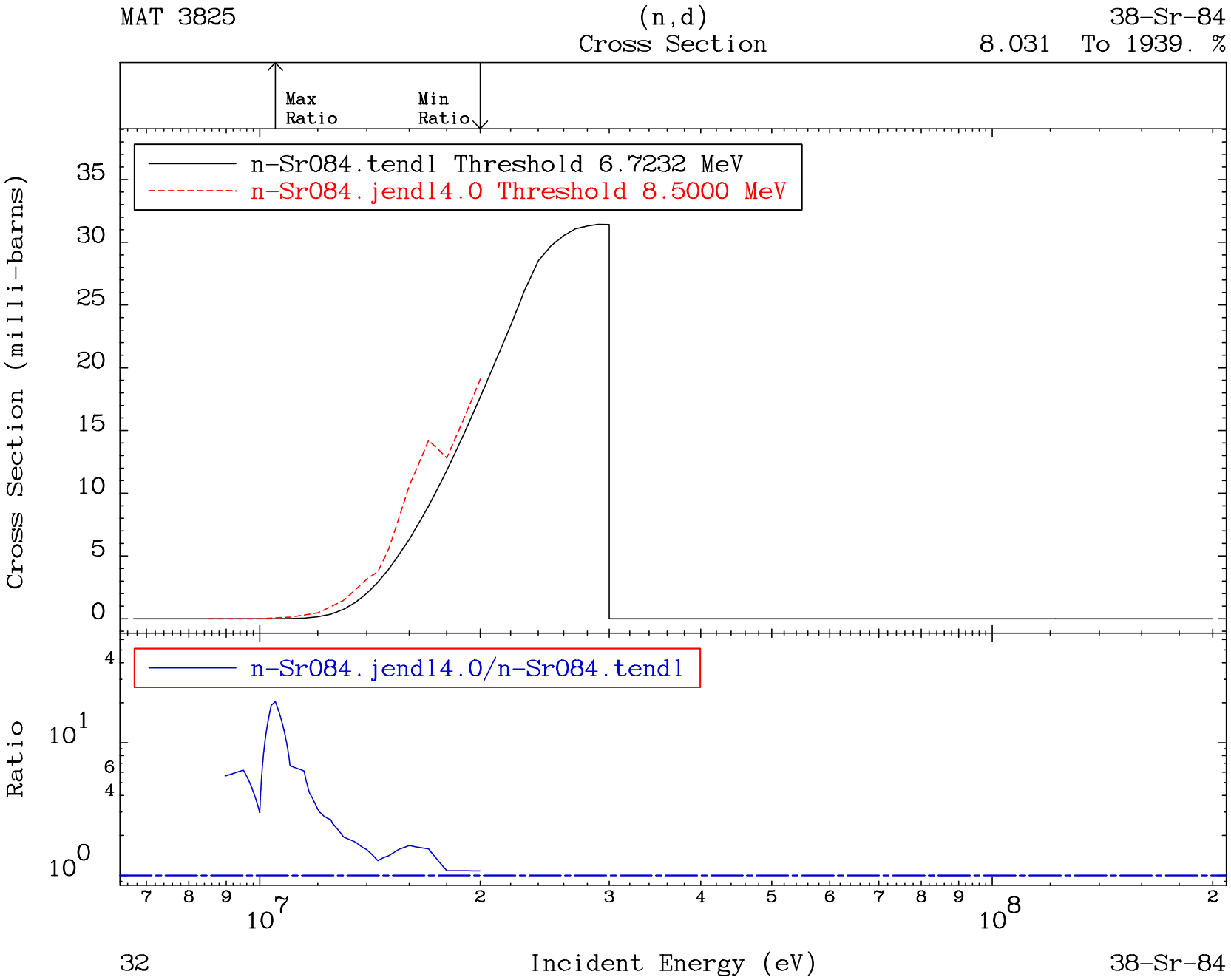

MAT 3825
MT= 71 (n,n') Level
Cross Section
38-Sr-84
-95.67 To 199.6 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 3.3099 MeV
n-Sr084.jendl4.0 Threshold 3.3099 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
10^-1
4
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
38-Sr-84

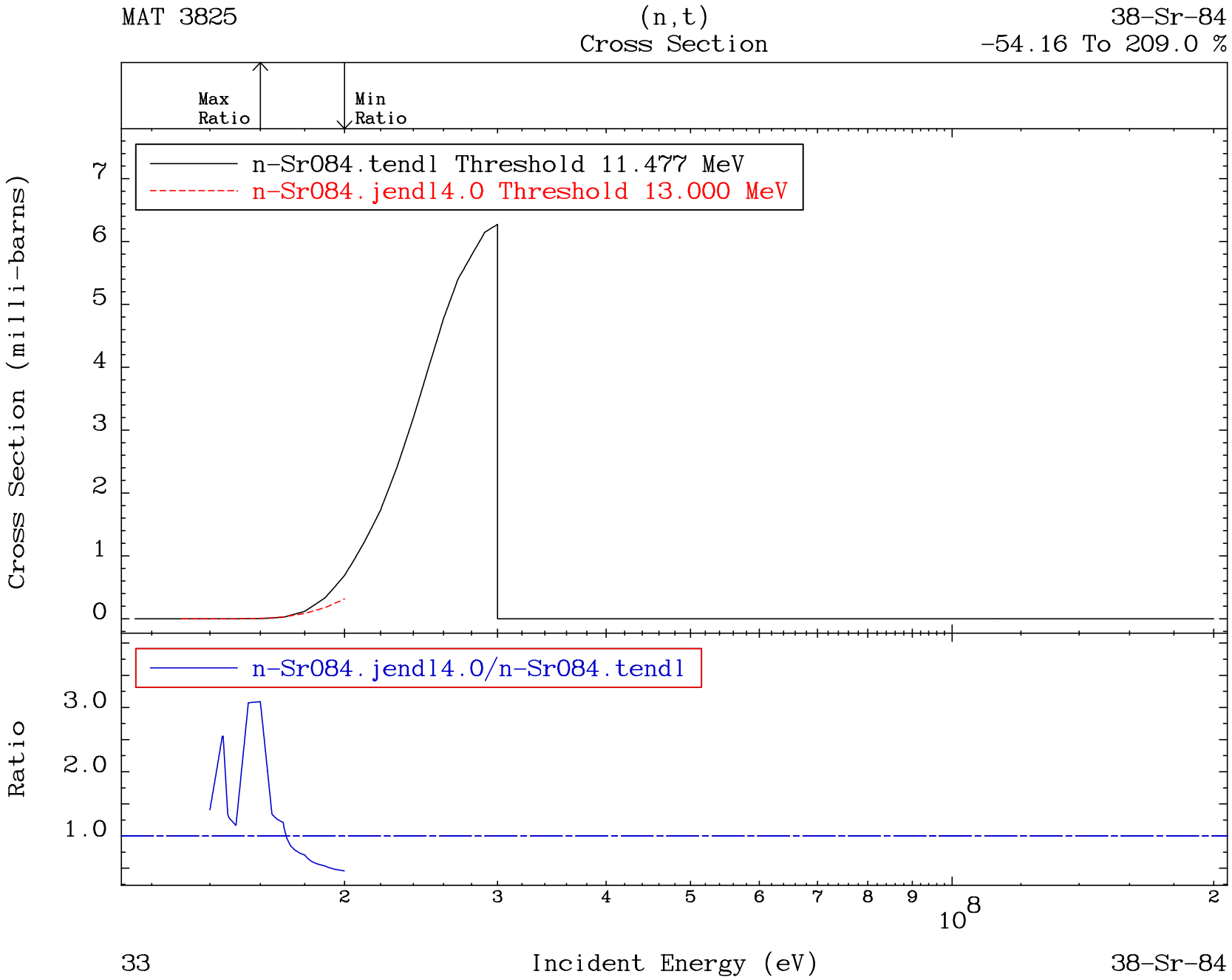

MAT 3825
MT= 72 (n,n') Level
Cross Section
38-Sr-84
3.855 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 3.3186 MeV
n-Sr084.jendl4.0 Threshold 3.3186 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
10^2
10^4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-84

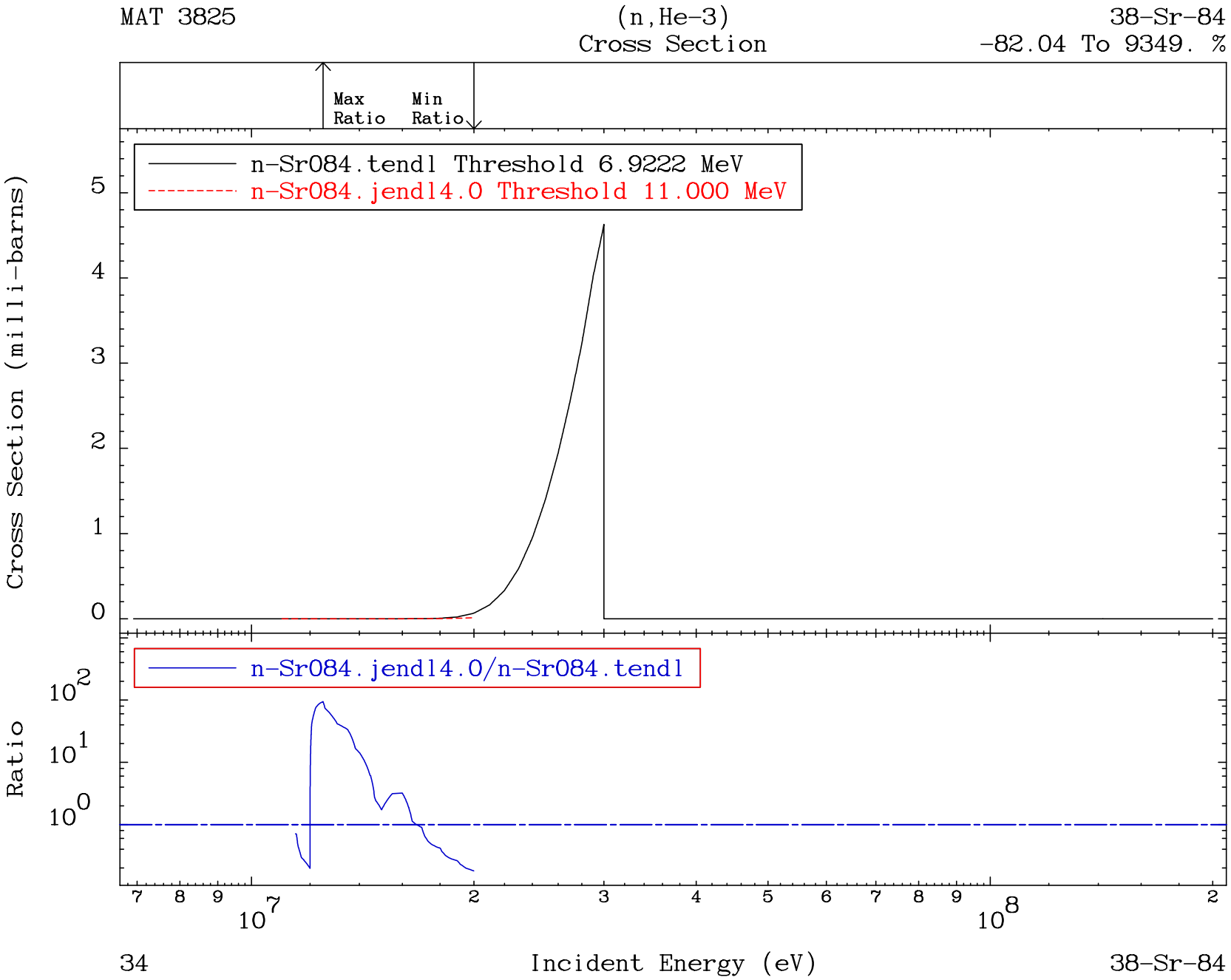

MAT 3825
(n,n') Continuum
Cross Section
38-Sr-84
-10.59 To 1166. %
Min
Ratio
n-Sr084.tendl Threshold 3.6212 MeV
n-Sr084.jendl4.0 Threshold 3.3290 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^1
10^0
10^7
10^8
29
Incident Energy (eV)
38-Sr-84

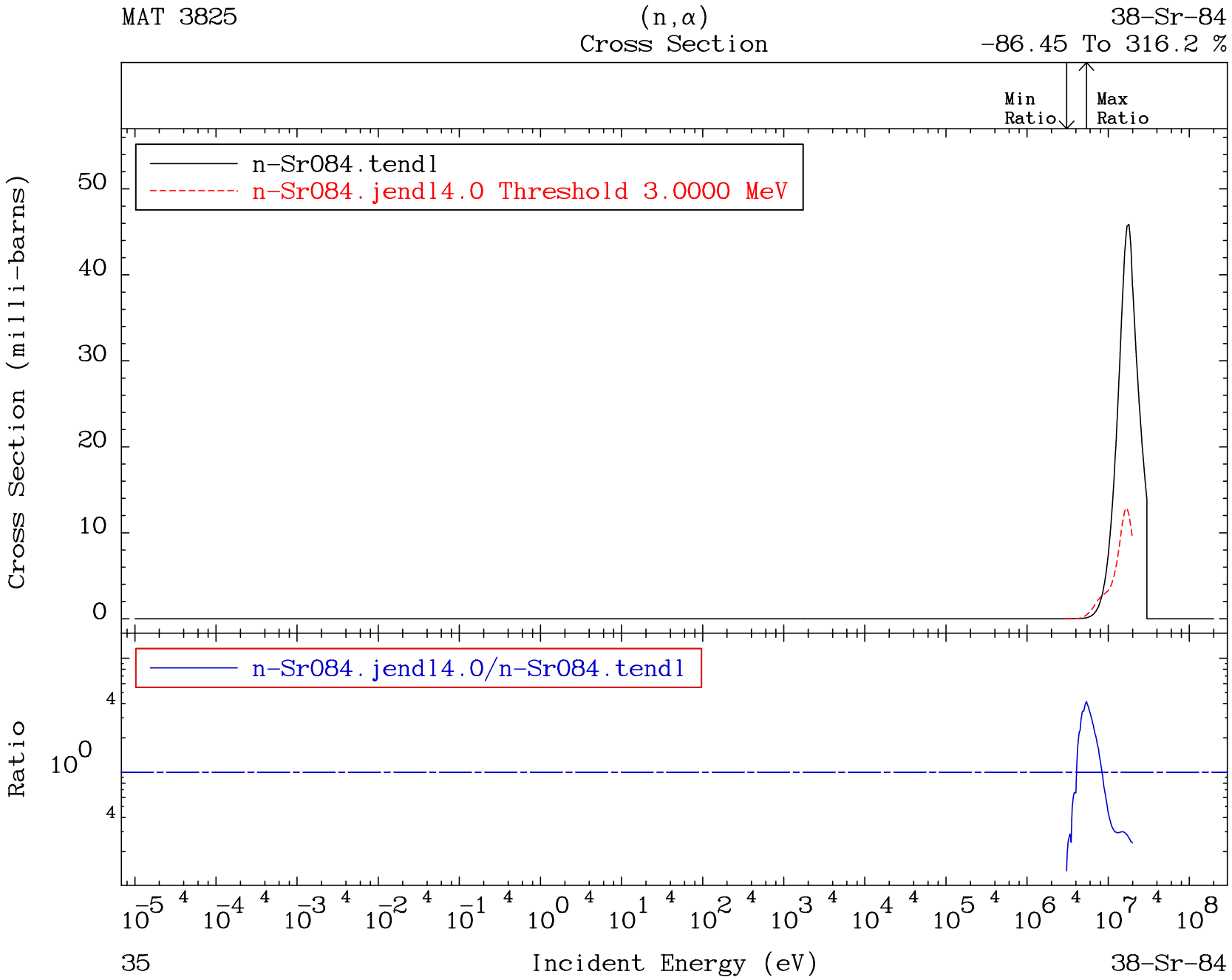

MAT 3825
(n,γ)
Cross Section
38-Sr-84
-100.0 To 2015. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
30
38-Sr-84

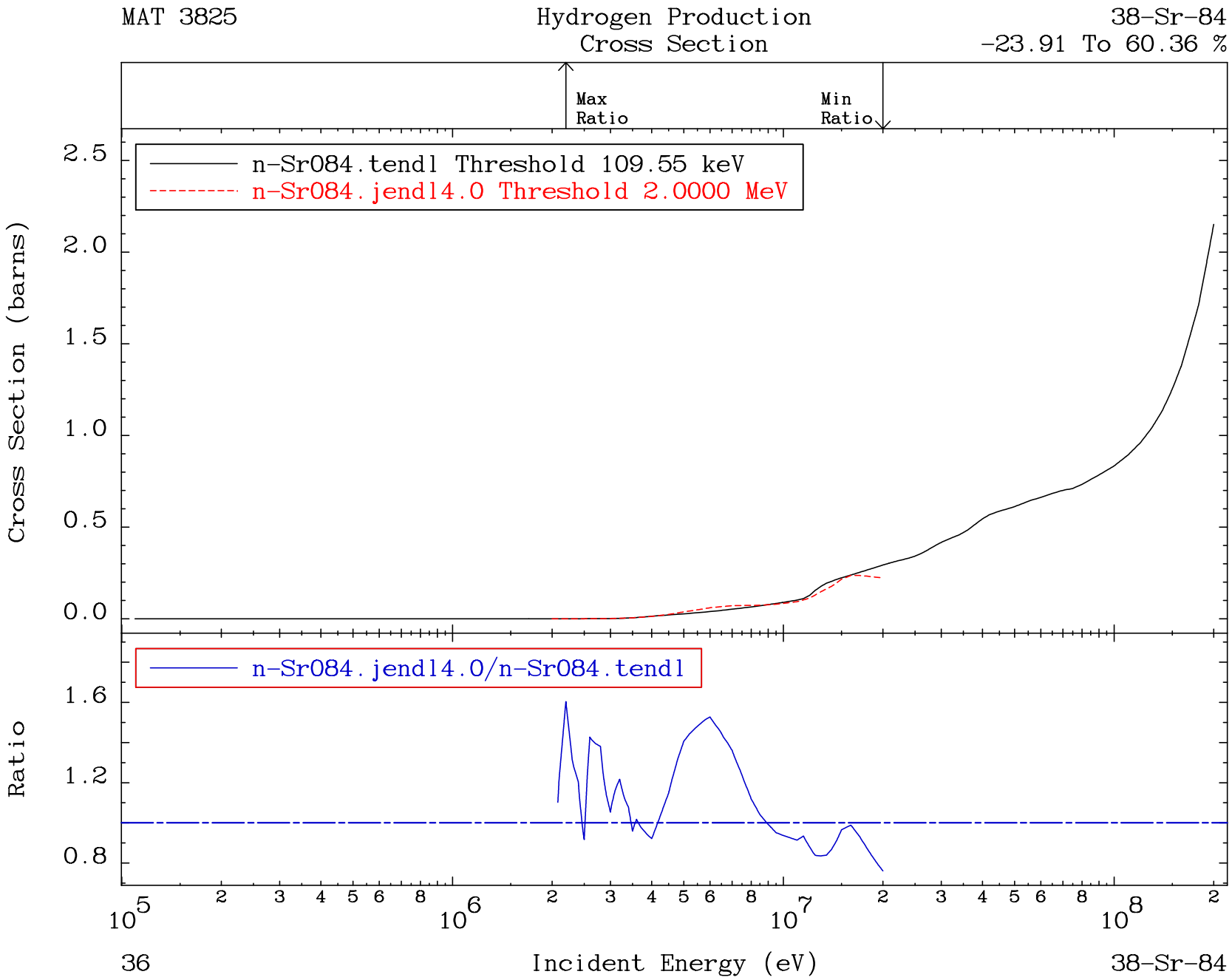

MAT 3825
(n,p)
Cross Section
38-Sr-84
-10.16 To 60.36 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 109.55 keV
n-Sr084.jendl4.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.6
1.2
10^5
2 3 4 5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
31
Incident Energy (eV)
38-Sr-84

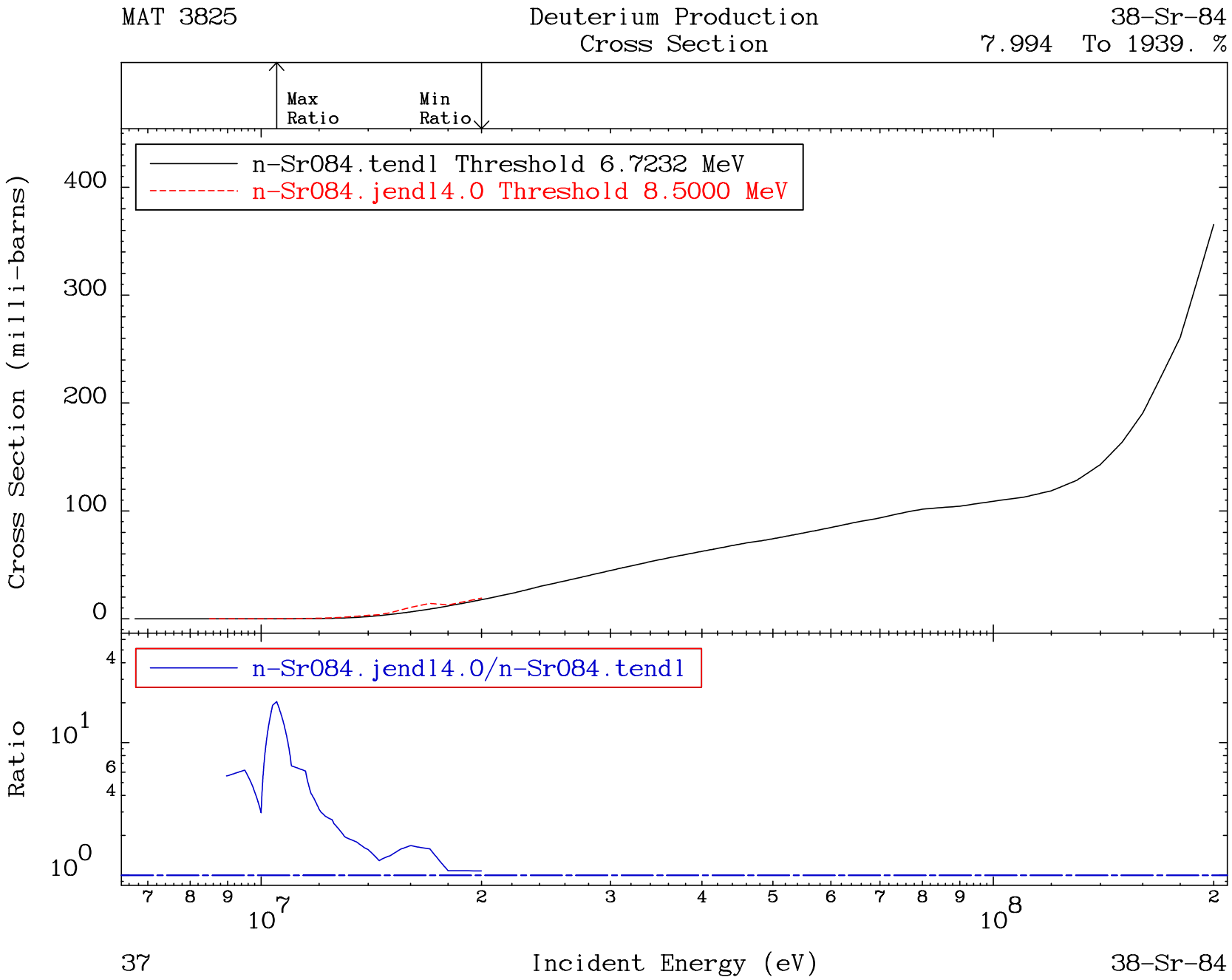

MAT 3825
(n,d)
Cross Section
38-Sr-84
8.031 To 1939. %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 6.7232 MeV
n-Sr084.jendl4.0 Threshold 8.5000 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
4
10^1
6
4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
38-Sr-84

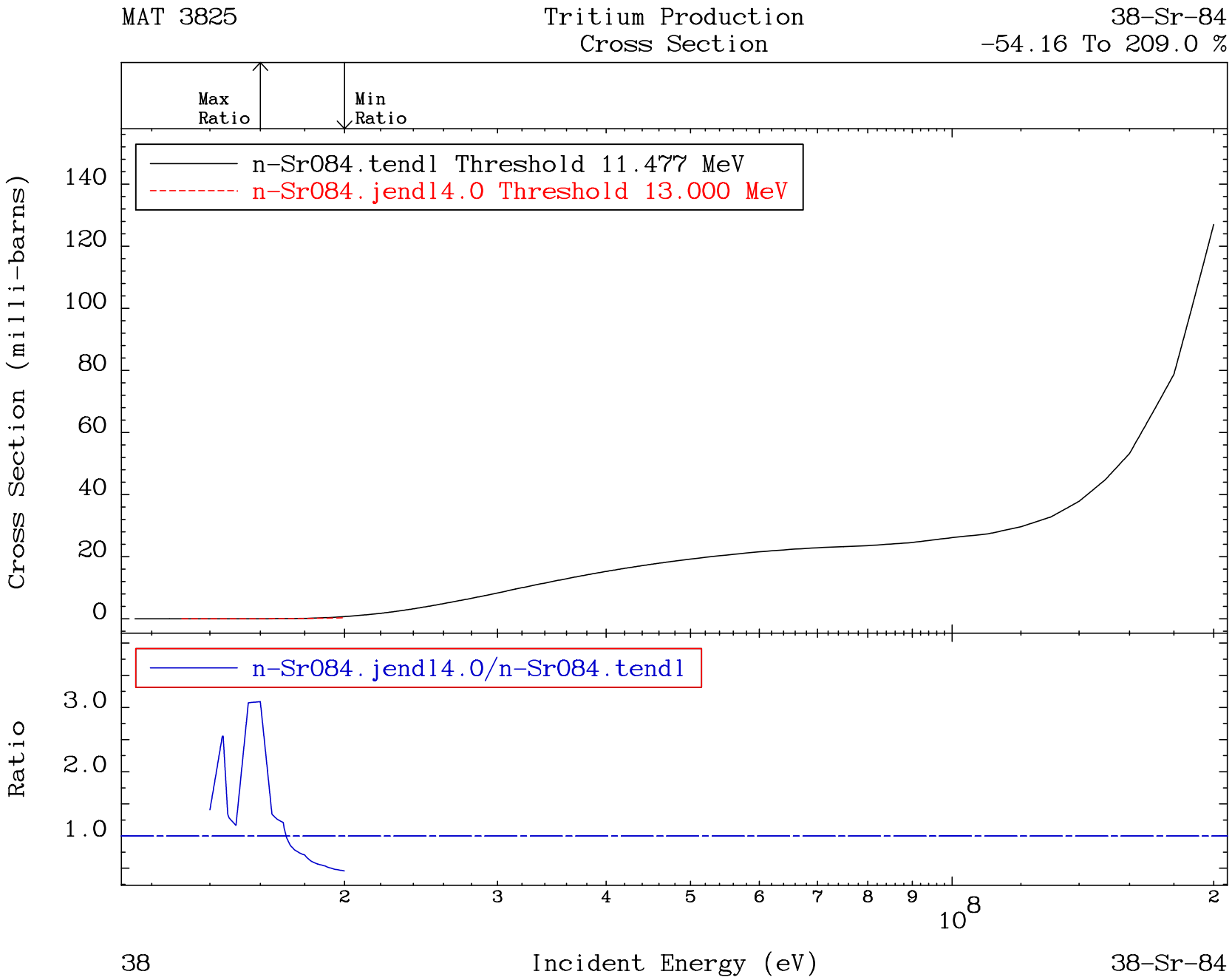

MAT 3825
(n,t)
Cross Section
38-Sr-84
-54.16 To 209.0 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 11.477 MeV
n-Sr084.jendl4.0 Threshold 13.000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.0
2.0
3.0
2
3
4
5
6
7
8
9
2
10^8
33
Incident Energy (eV)
38-Sr-84

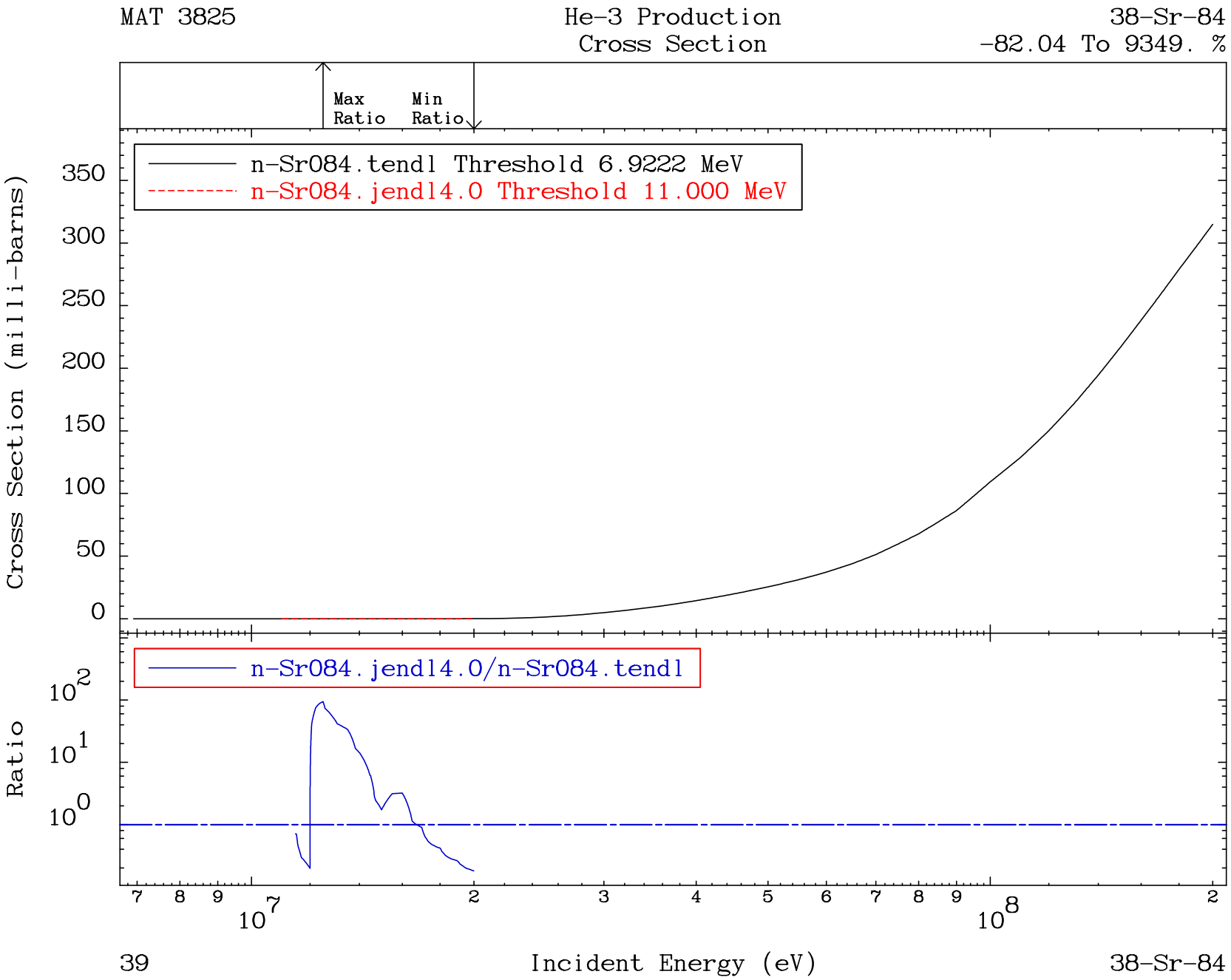

MAT 3825
(n,He-3)
Cross Section
38-Sr-84
-82.04 To 9349. %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 6.9222 MeV
n-Sr084.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^2
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
38-Sr-84

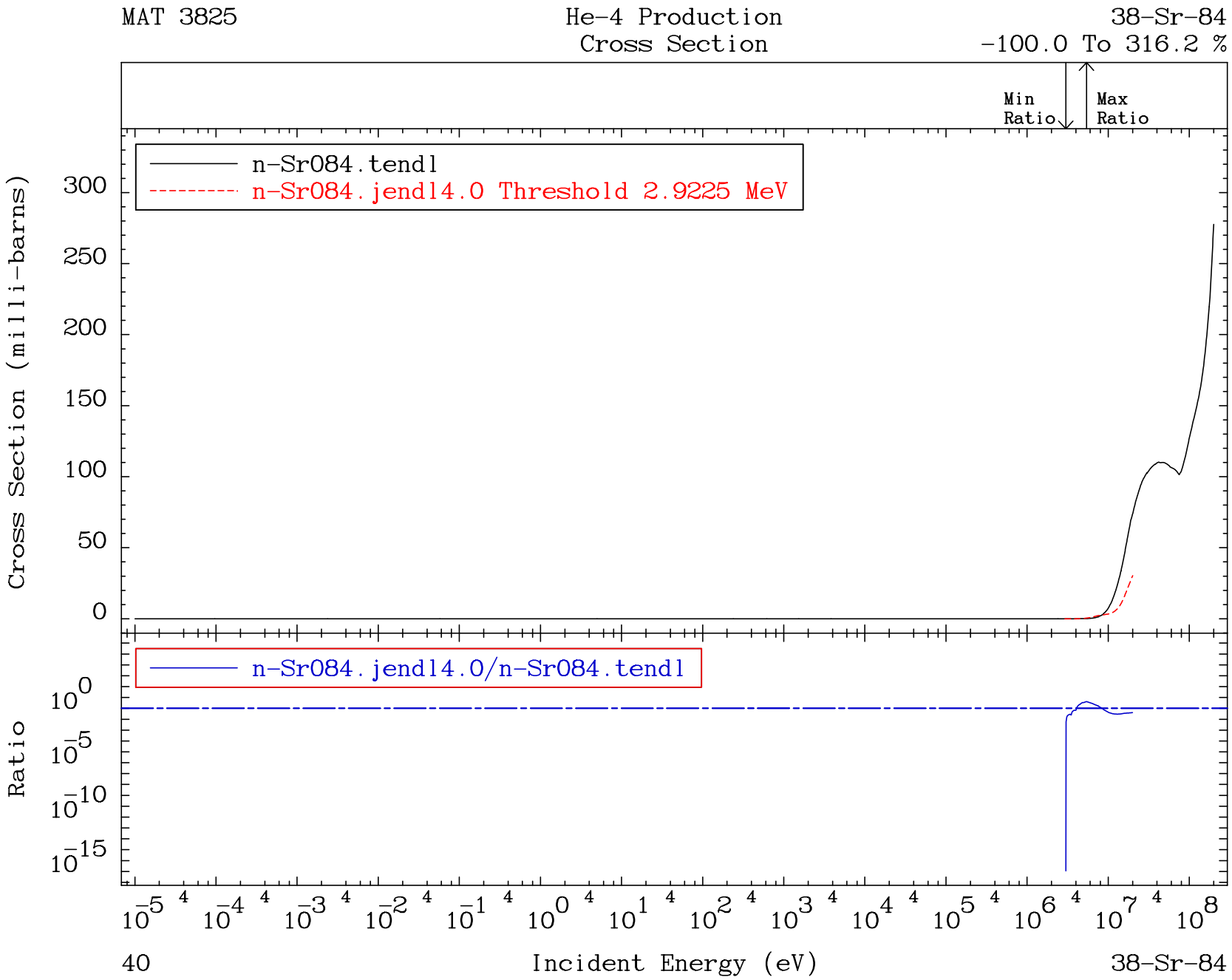

MAT 3825
(n,α)
Cross Section
38-Sr-84
-86.45 To 316.2 %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0 Threshold 3.0000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
4
4
10^-5 4 10^-4 4 10^-3 4 10^-2 4 10^-1 4 10^0 4 10^1 4 10^2 4 10^3 4 10^4 4 10^5 4 10^6 4 10^7 4 10^8
35
Incident Energy (eV)
38-Sr-84

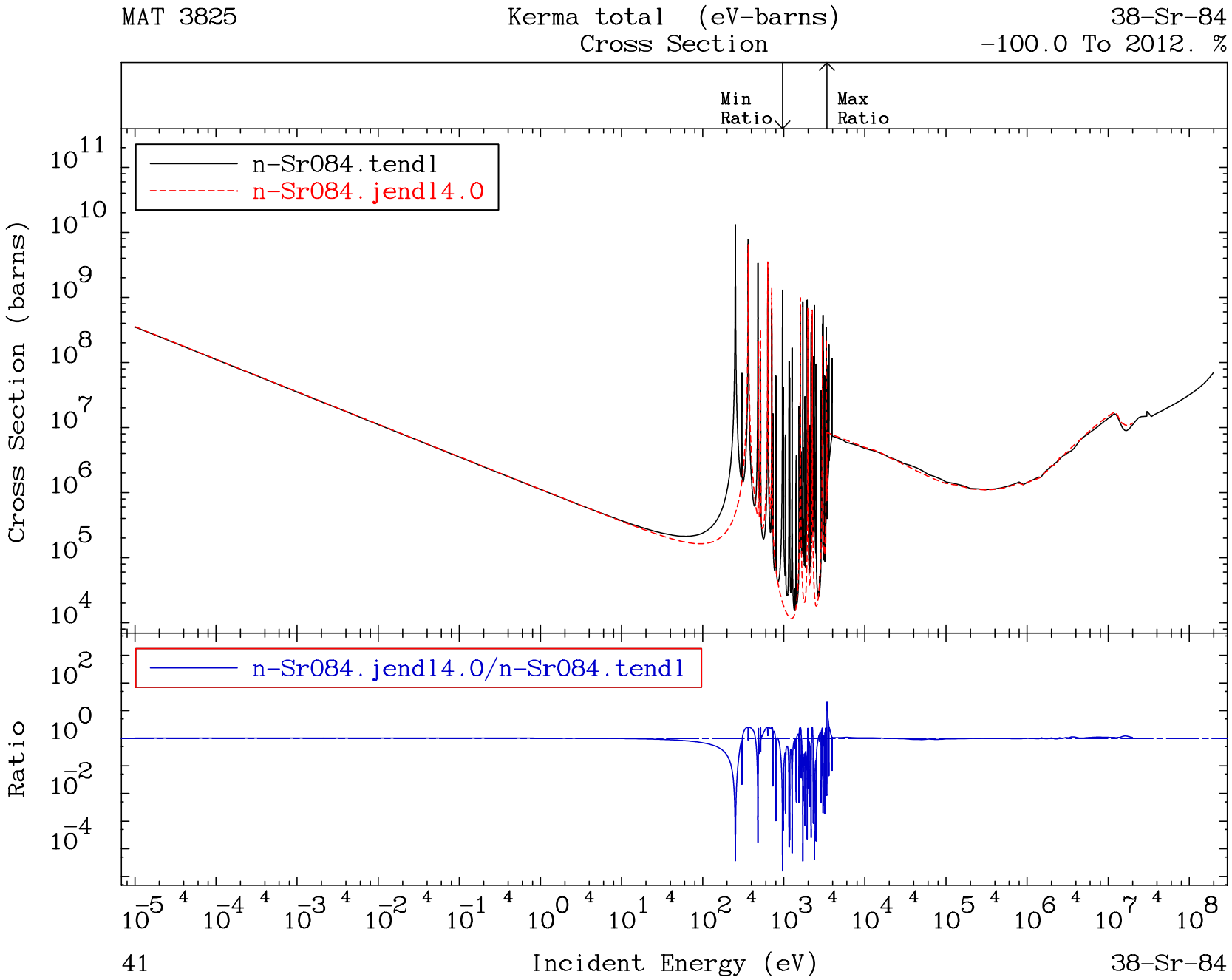

MAT 3825
Hydrogen Production
Cross Section
38-Sr-84
-23.91 To 60.36 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 109.55 keV
n-Sr084.jendl4.0 Threshold 2.0000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
1.6
1.2
0.8
10^5
10^6
10^7
10^8
36
Incident Energy (eV)
38-Sr-84

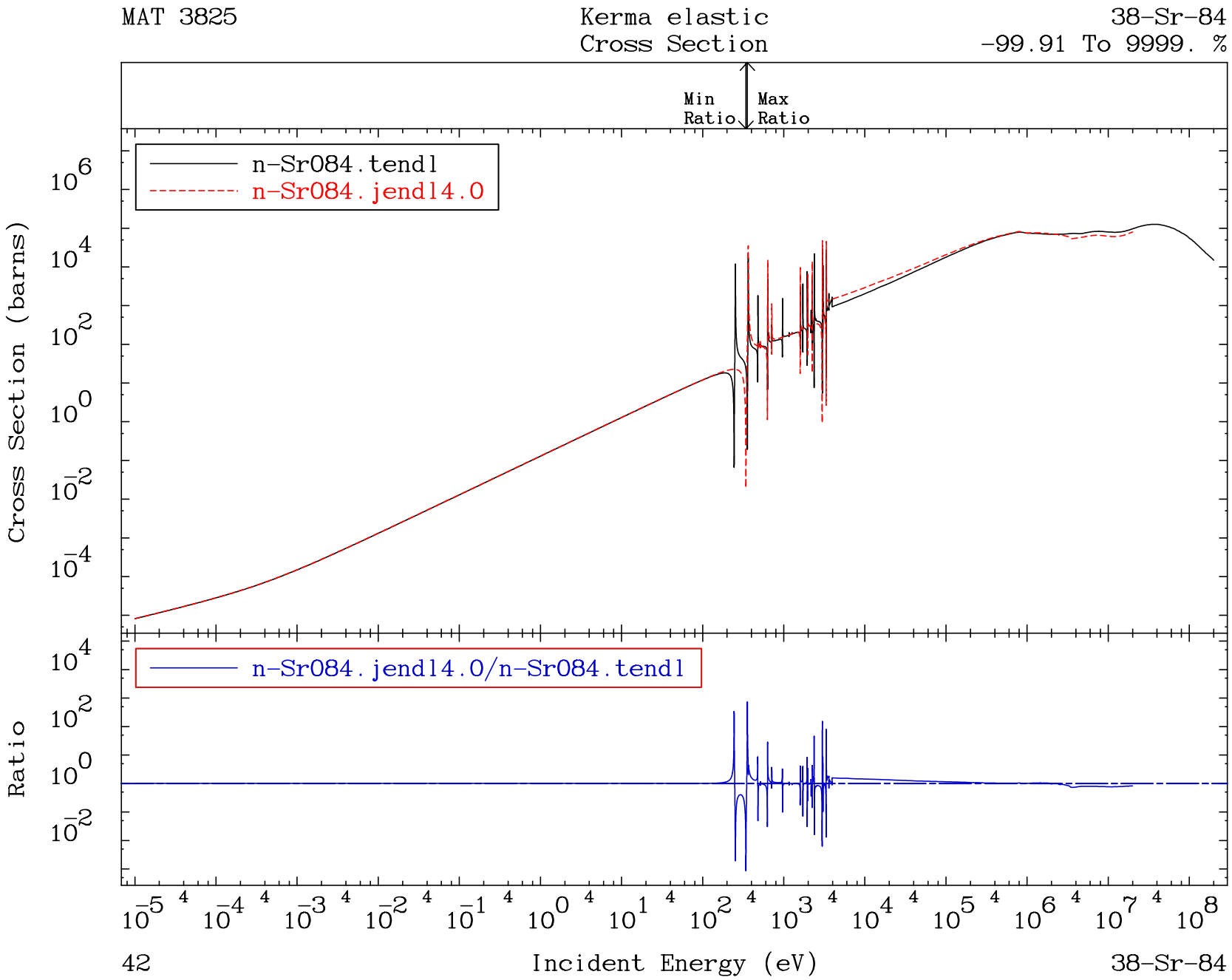

MAT 3825
Deuterium Production
Cross Section
38-Sr-84
7.994 To 1939. %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 6.7232 MeV
n-Sr084.jendl4.0 Threshold 8.5000 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
4
10^1
6
4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
38-Sr-84

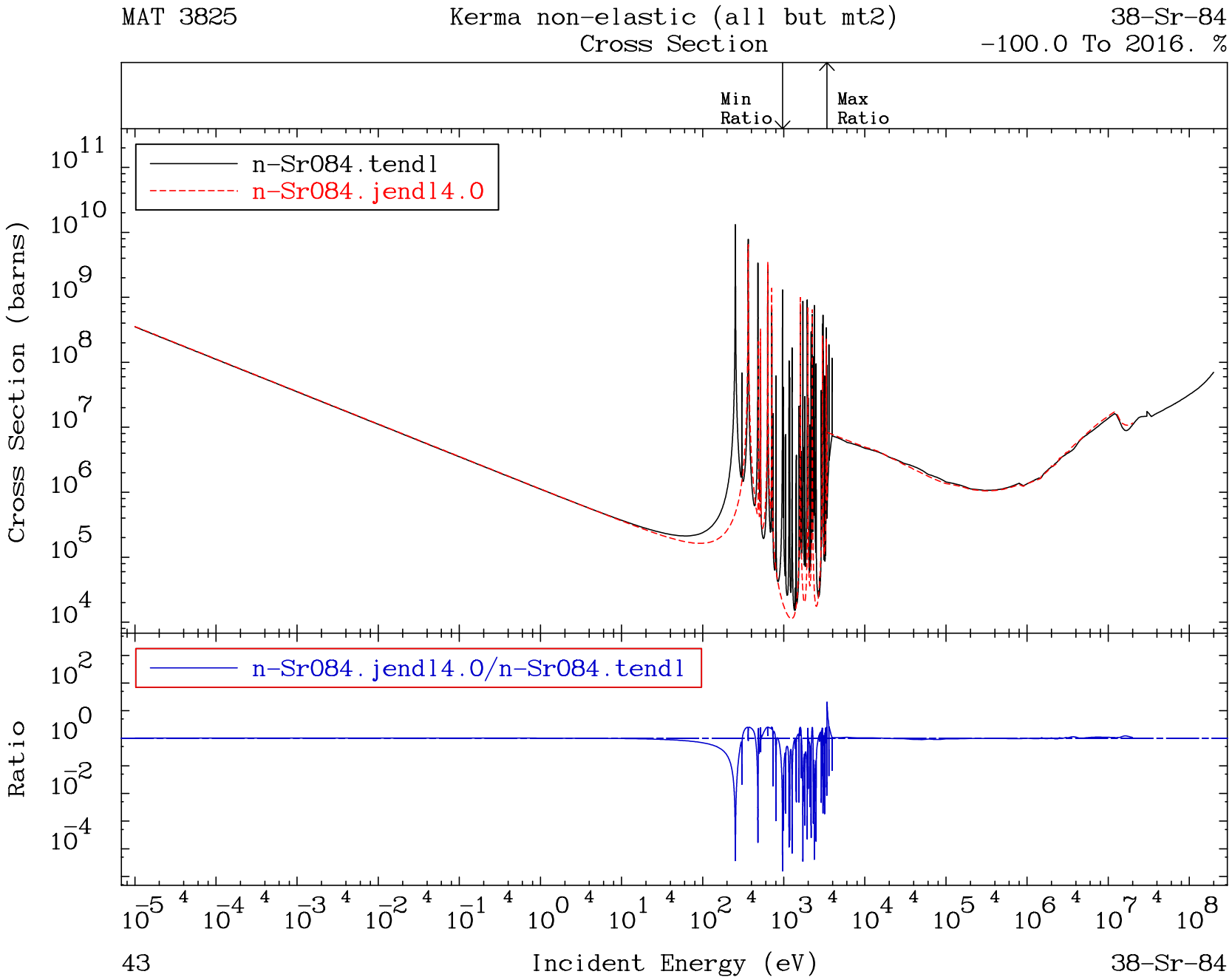

MAT 3825
Tritium Production
Cross Section
38-Sr-84
-54.16 To 209.0 %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 11.477 MeV
n-Sr084.jendl4.0 Threshold 13.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
38-Sr-84

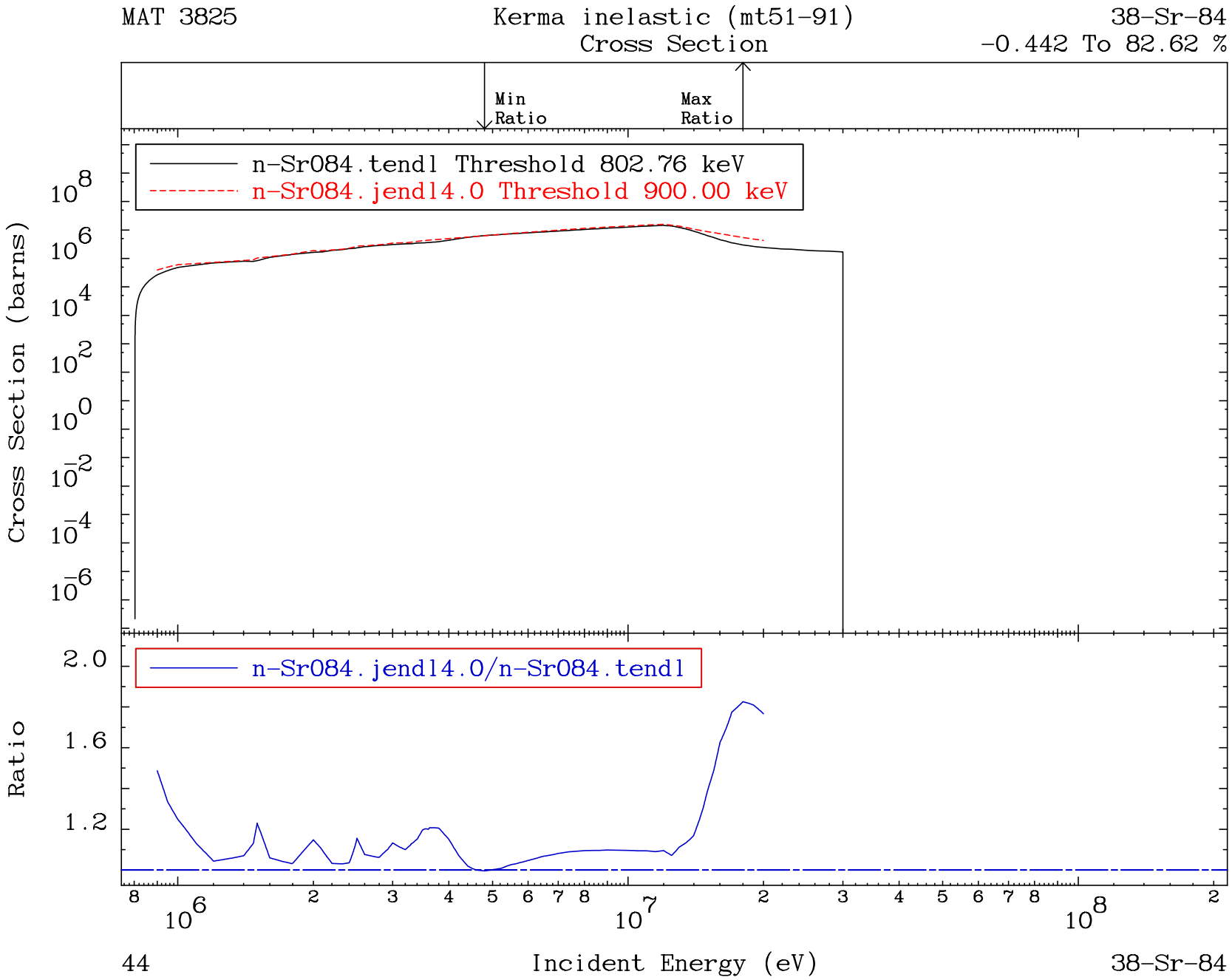

MAT 3825
He-3 Production
Cross Section
38-Sr-84
-82.04 To 9349. %
Max Ratio
Min Ratio
n-Sr084.tendl Threshold 6.9222 MeV
n-Sr084.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^2
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
38-Sr-84

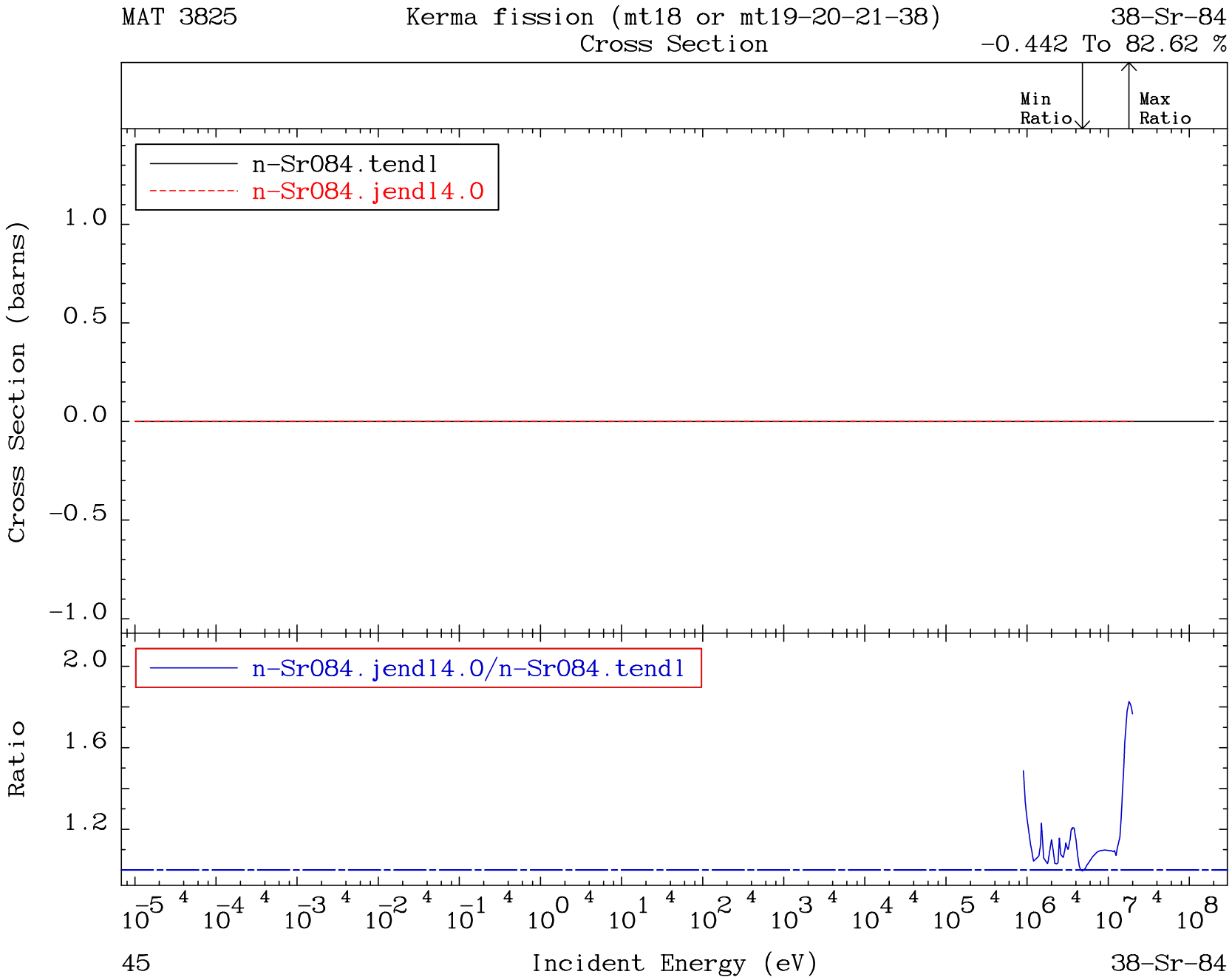

MAT 3825
He-4 Production
Cross Section
38-Sr-84
-100.0 To 316.2 %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0 Threshold 2.9225 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
10^-5
10^-10
10^-15
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
40
Incident Energy (eV)
38-Sr-84

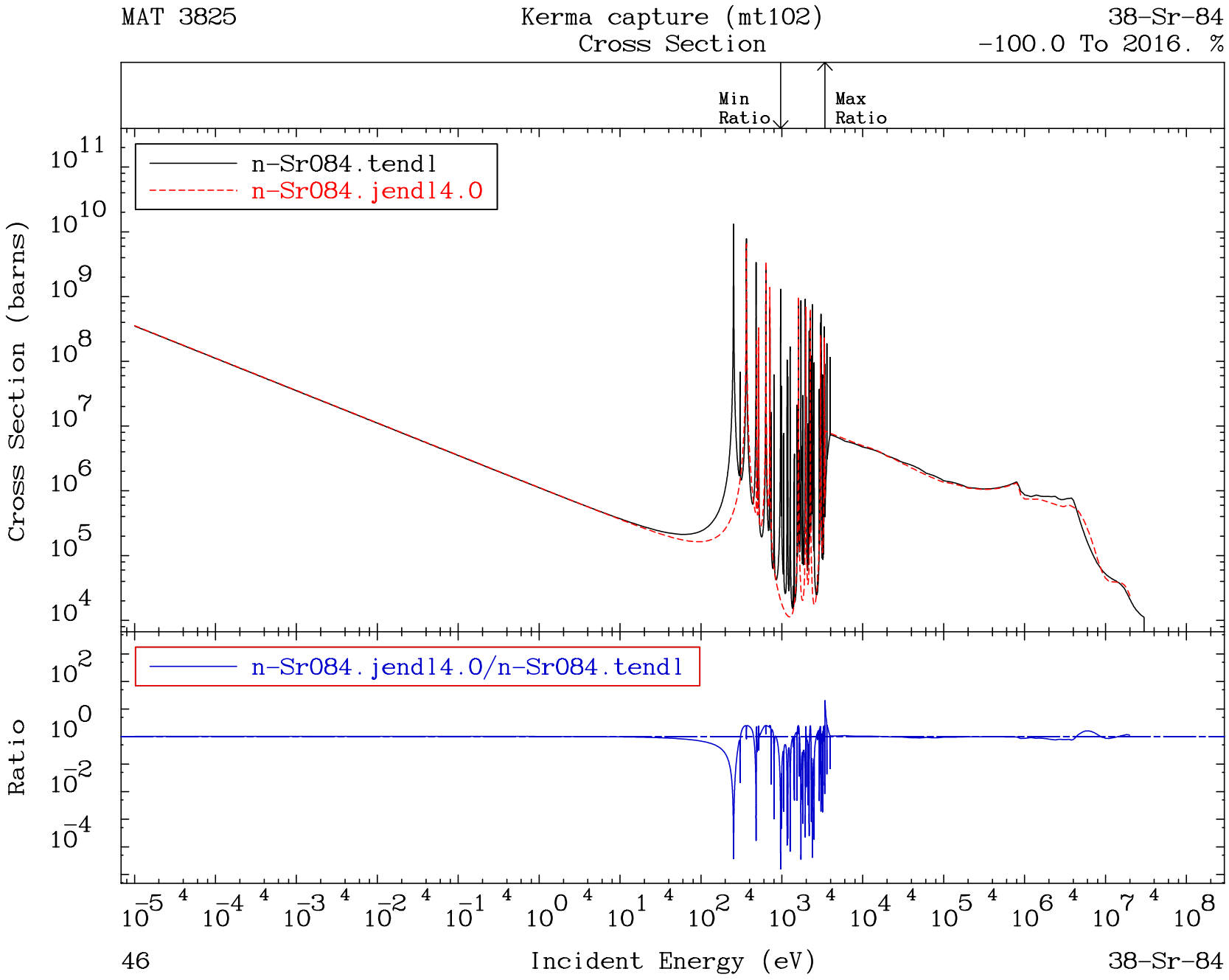

MAT 3825
Kerma total (eV-barns)
Cross Section
38-Sr-84
-100.0 To 2012. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
41
Incident Energy (eV)
38-Sr-84

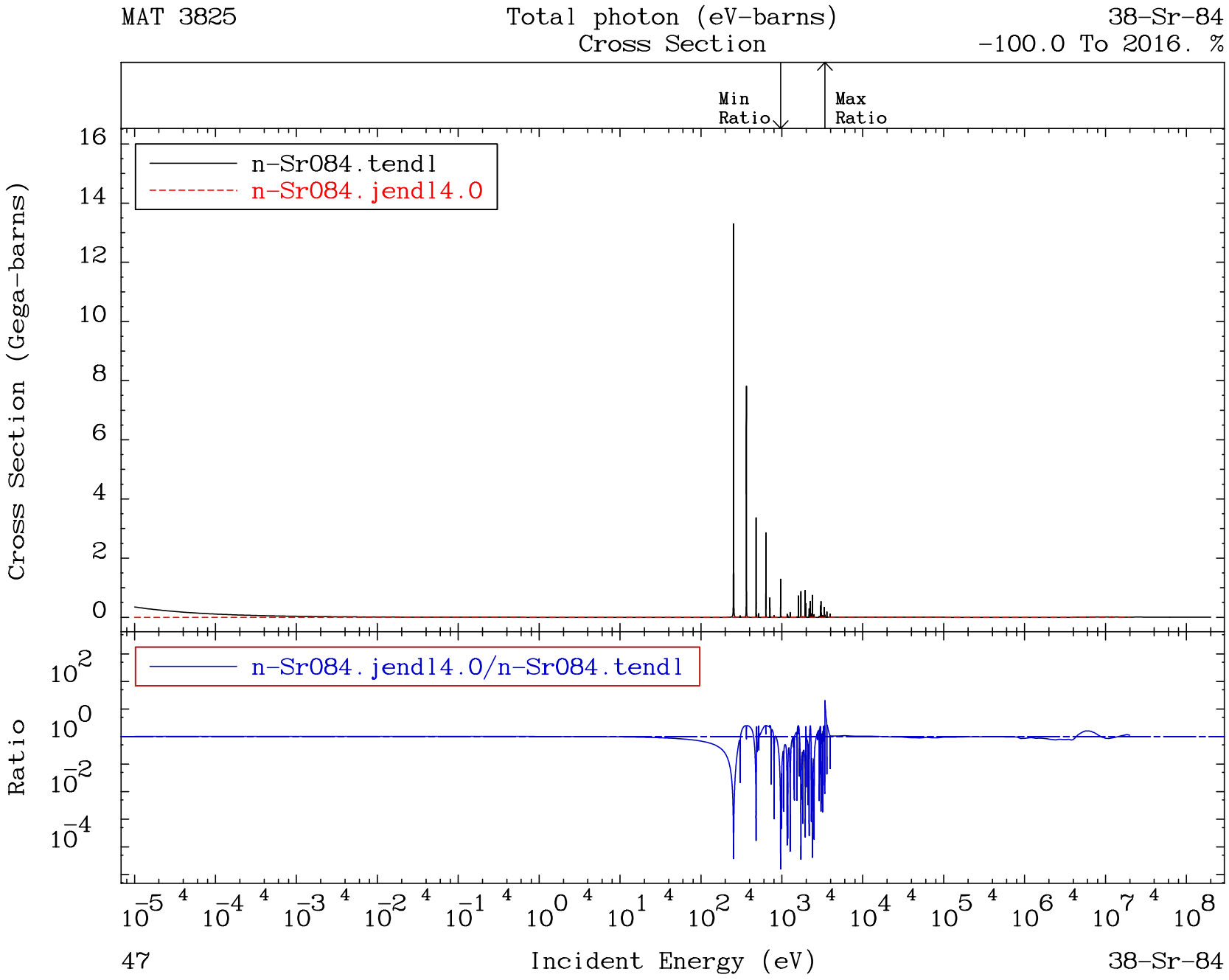

MAT 3825
Kerma elastic
Cross Section
38-Sr-84
-99.91 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
42
38-Sr-84

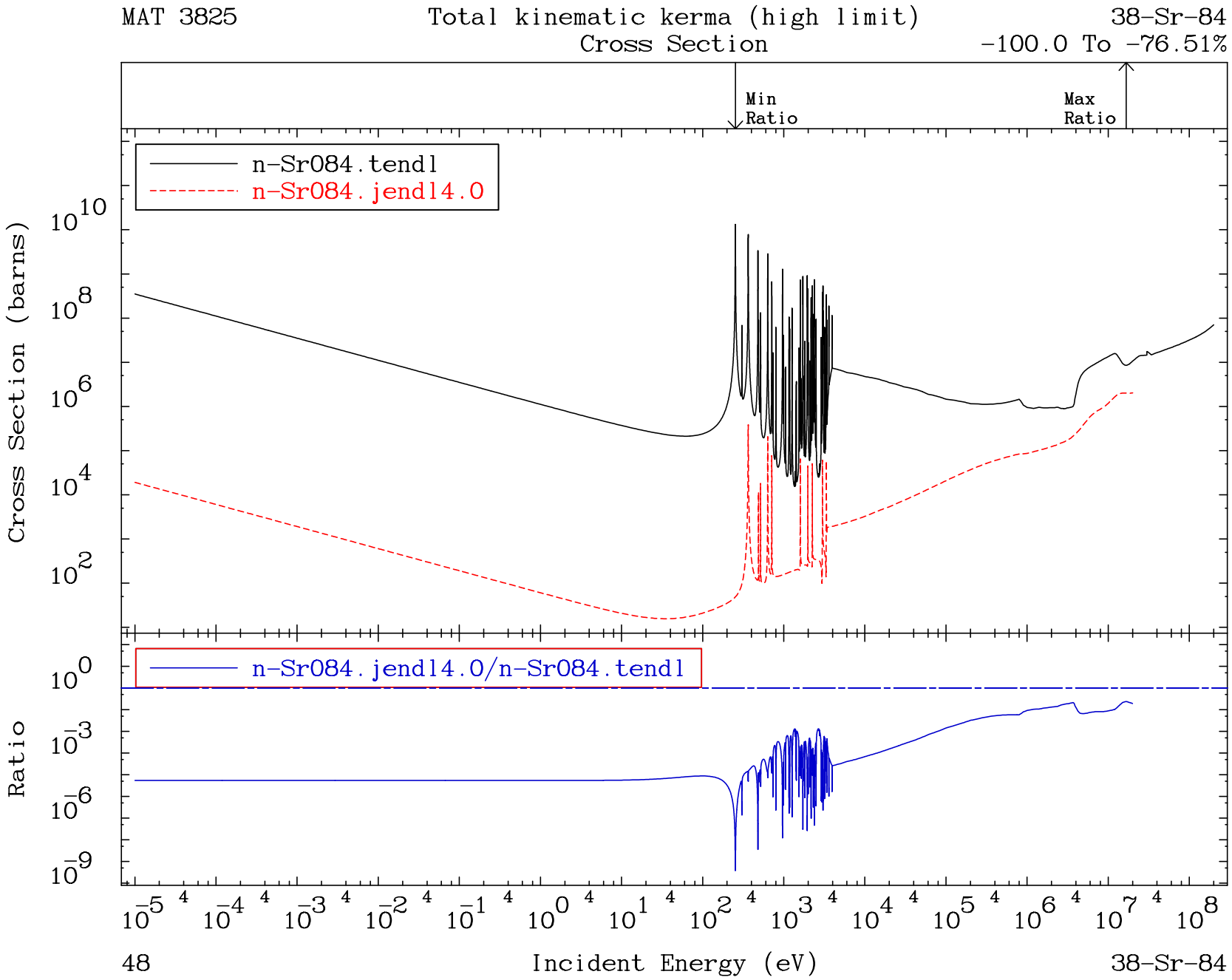

MAT 3825
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-84
-100.0 To 2016. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
43
38-Sr-84

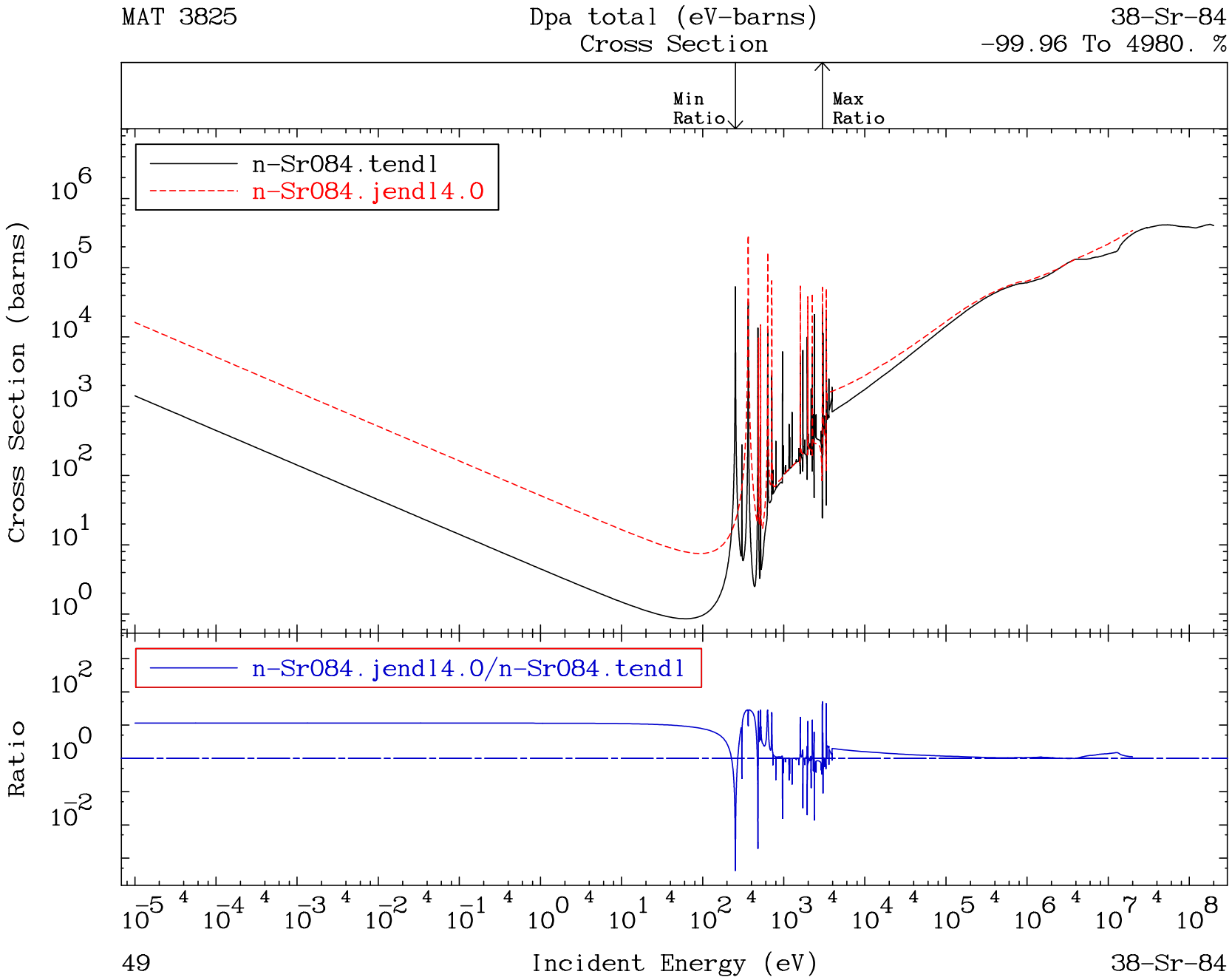

MAT 3825
Kerma inelastic (mt51-91)
Cross Section
38-Sr-84
-0.442 To 82.62 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 802.76 keV
n-Sr084.jendl4.0 Threshold 900.00 keV
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
44
38-Sr-84

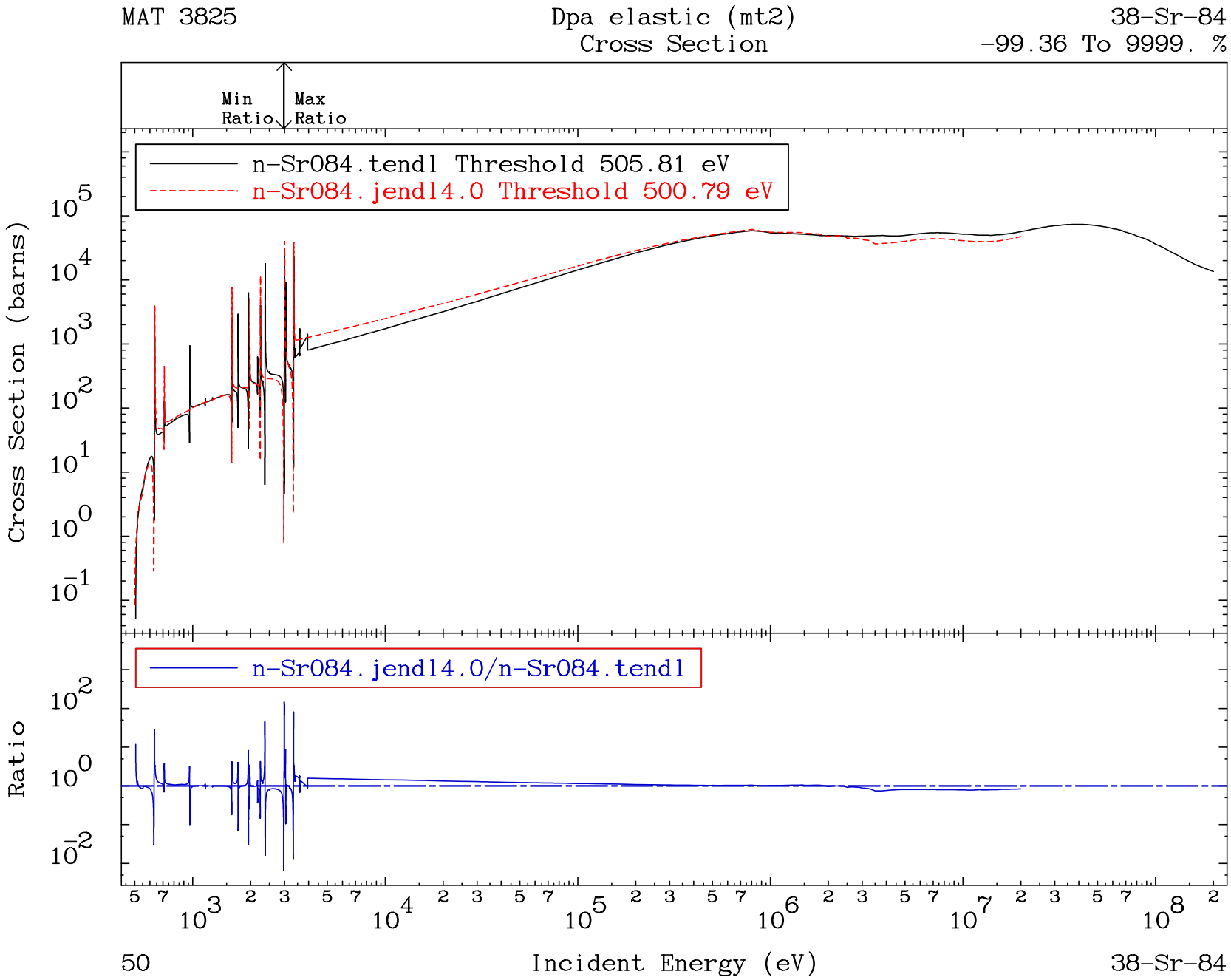

MAT 3825
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-84
-0.442 To 82.62 %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
2.0
1.6
1.2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
38-Sr-84

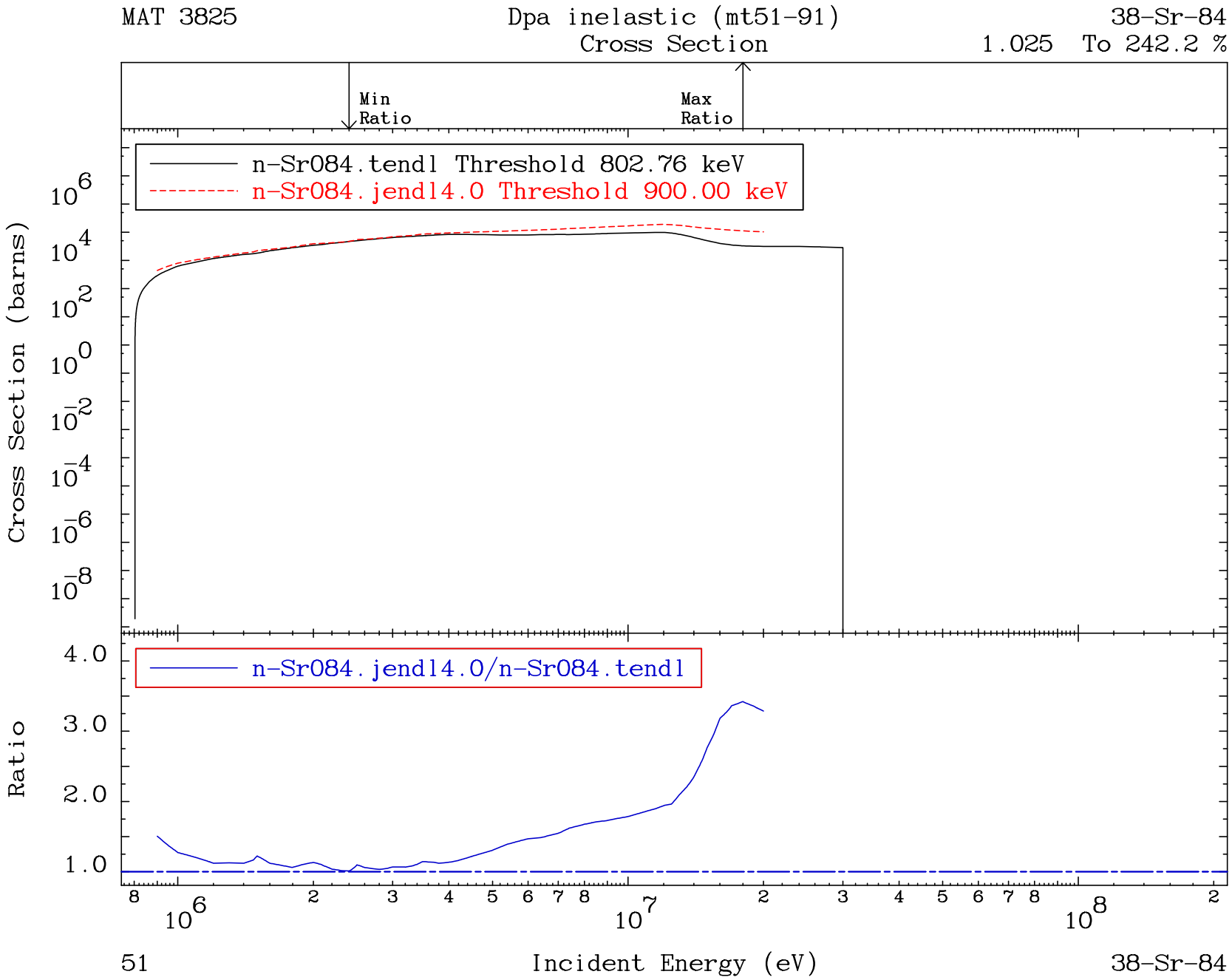

MAT 3825
Kerma capture (mt102)
Cross Section
38-Sr-84
-100.0 To 2016. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
46
Incident Energy (eV)
38-Sr-84

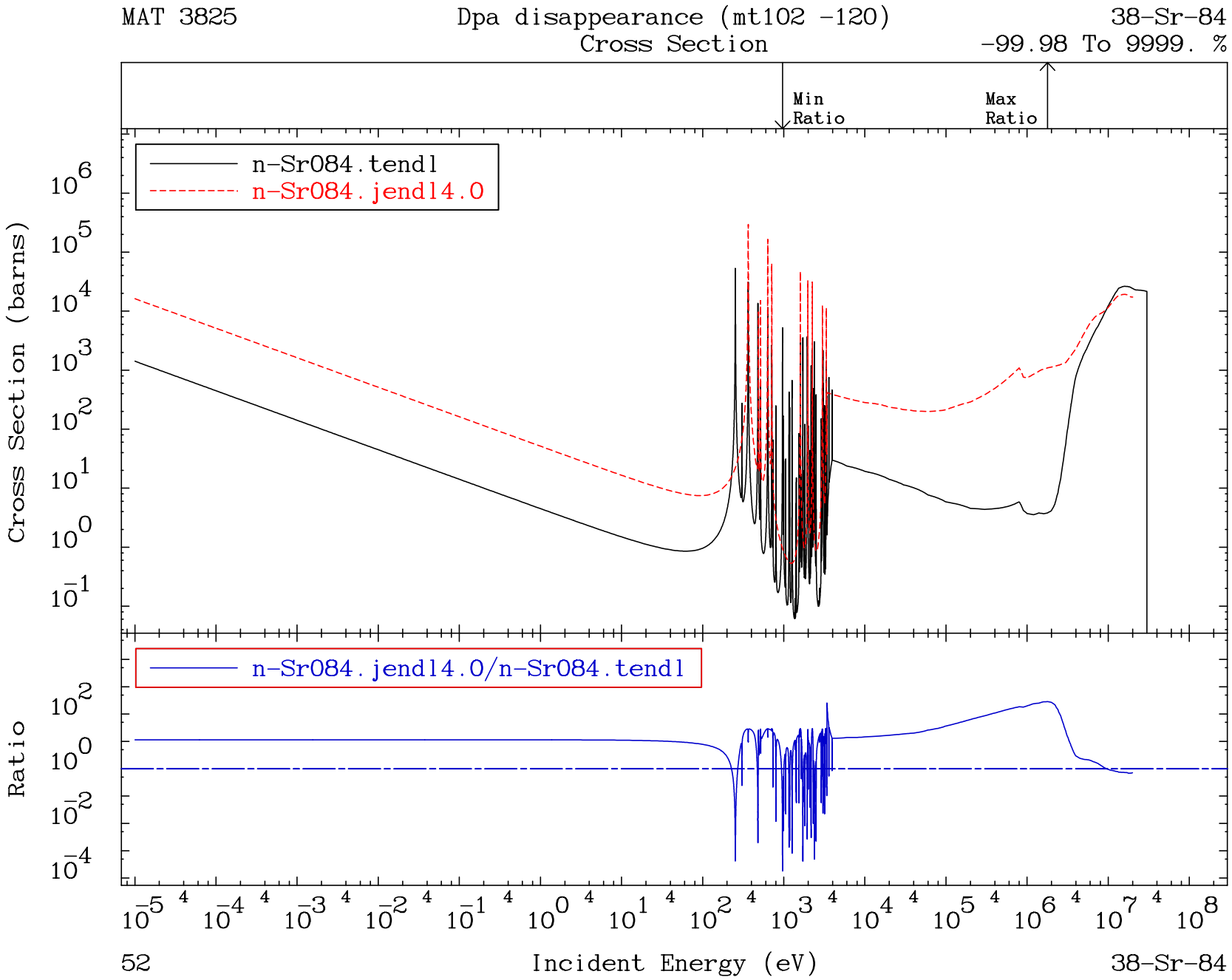

MAT 3825
Total photon (eV-barns)
Cross Section
38-Sr-84
-100.0 To 2016. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (Giga-barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
47
38-Sr-84


MAT 3825
Total kinematic kerma (high limit)
Cross Section
38-Sr-84
-100.0 To -76.51%
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
10^10
10^8
10^6
10^4
10^2
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
10^0
10^-3
10^-6
10^-9
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
48
Incident Energy (eV)
38-Sr-84


MAT 3825
Dpa total (eV-barns)
Cross Section
38-Sr-84
-99.96 To 4980. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
49
38-Sr-84


MAT 3825
Dpa elastic (mt2)
Cross Section
38-Sr-84
-99.36 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 505.81 eV
n-Sr084.jendl4.0 Threshold 500.79 eV
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
50
38-Sr-84


MAT 3825
Dpa inelastic (mt51-91)
Cross Section
38-Sr-84
1.025 To 242.2 %
Min Ratio
Max Ratio
n-Sr084.tendl Threshold 802.76 keV
n-Sr084.jendl4.0 Threshold 900.00 keV
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
51
38-Sr-84


MAT 3825
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-84
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Sr084.tendl
n-Sr084.jendl4.0
Cross Section (barns)
n-Sr084.jendl4.0/n-Sr084.tendl
Ratio
Incident Energy (eV)
52
38-Sr-84