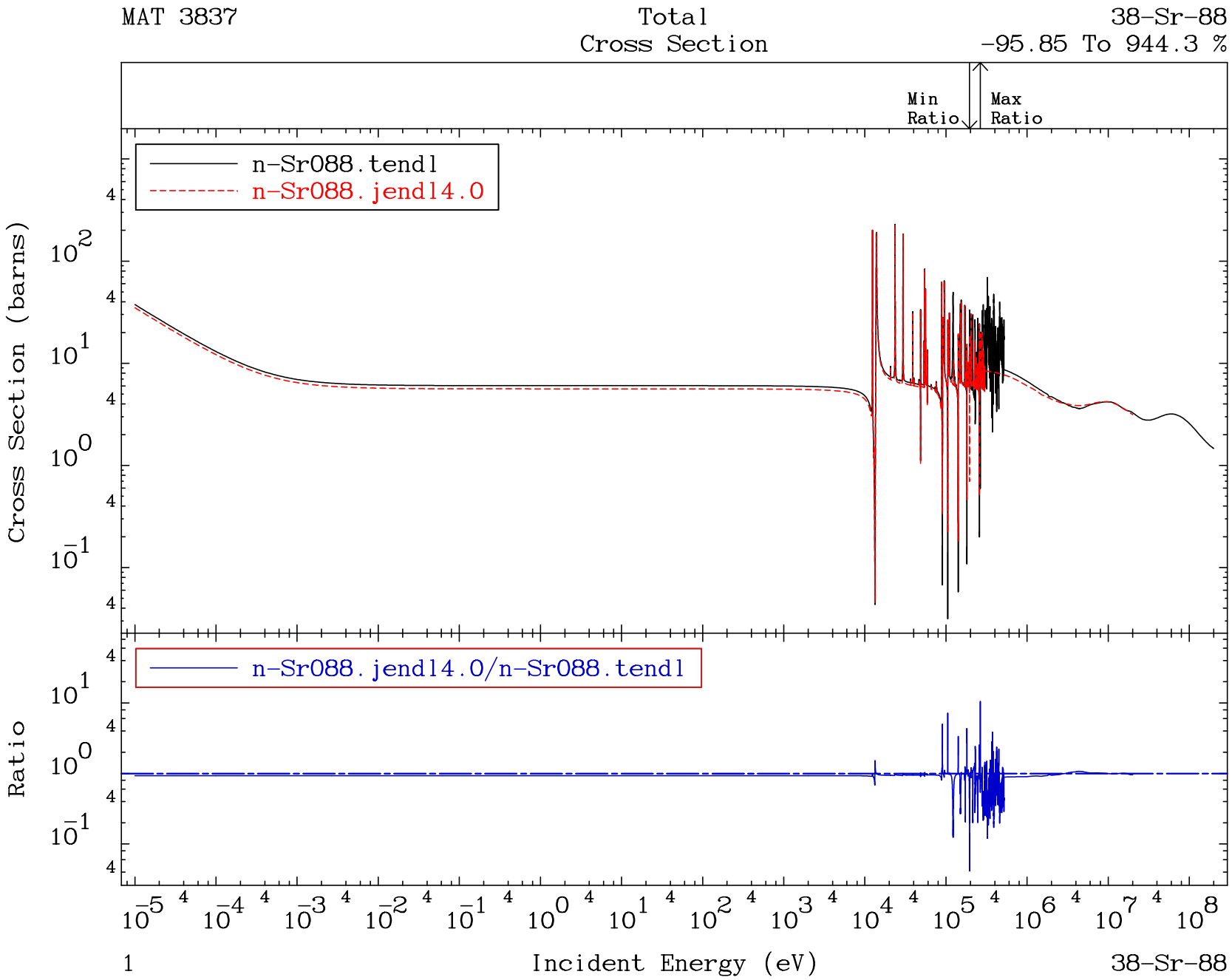
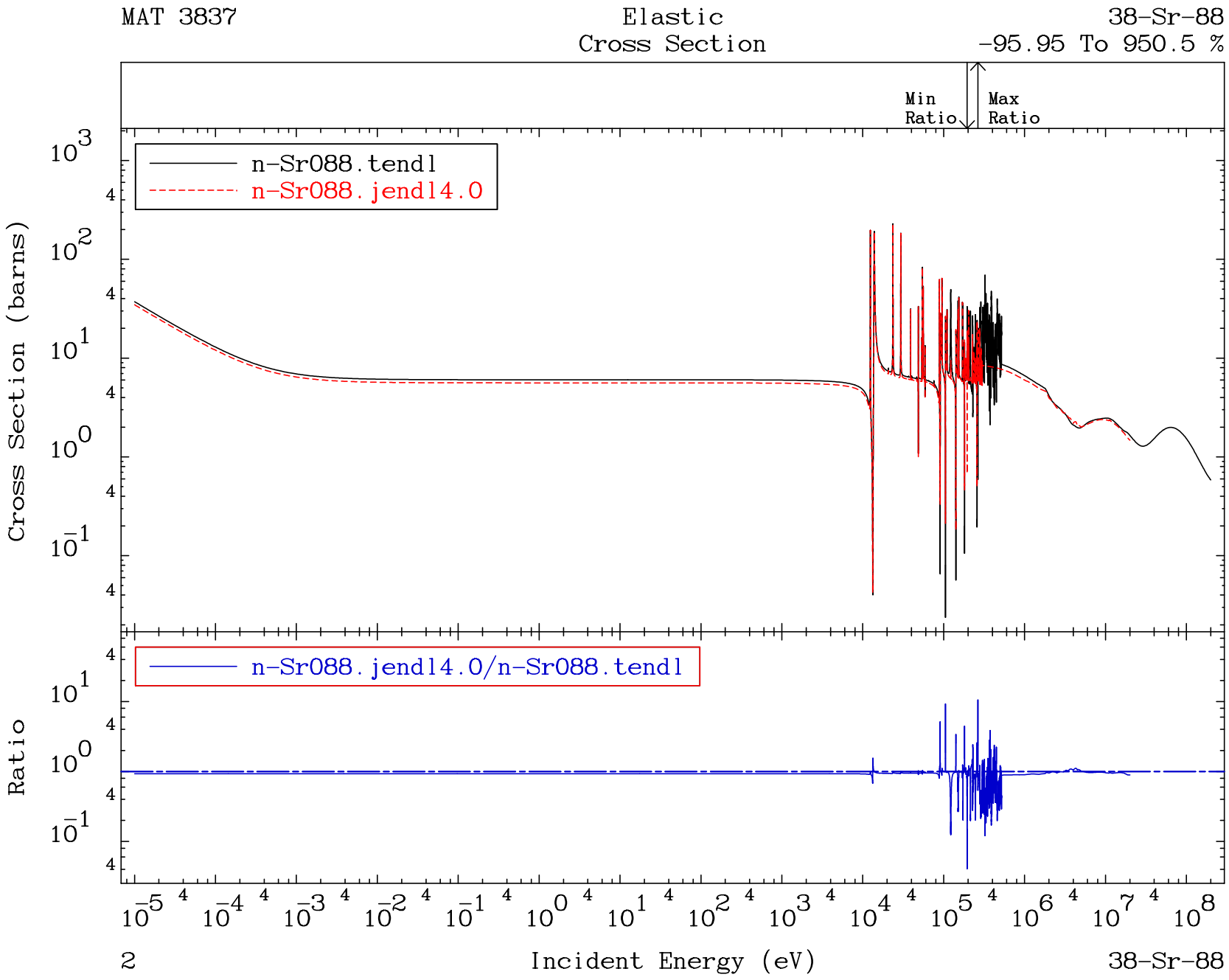
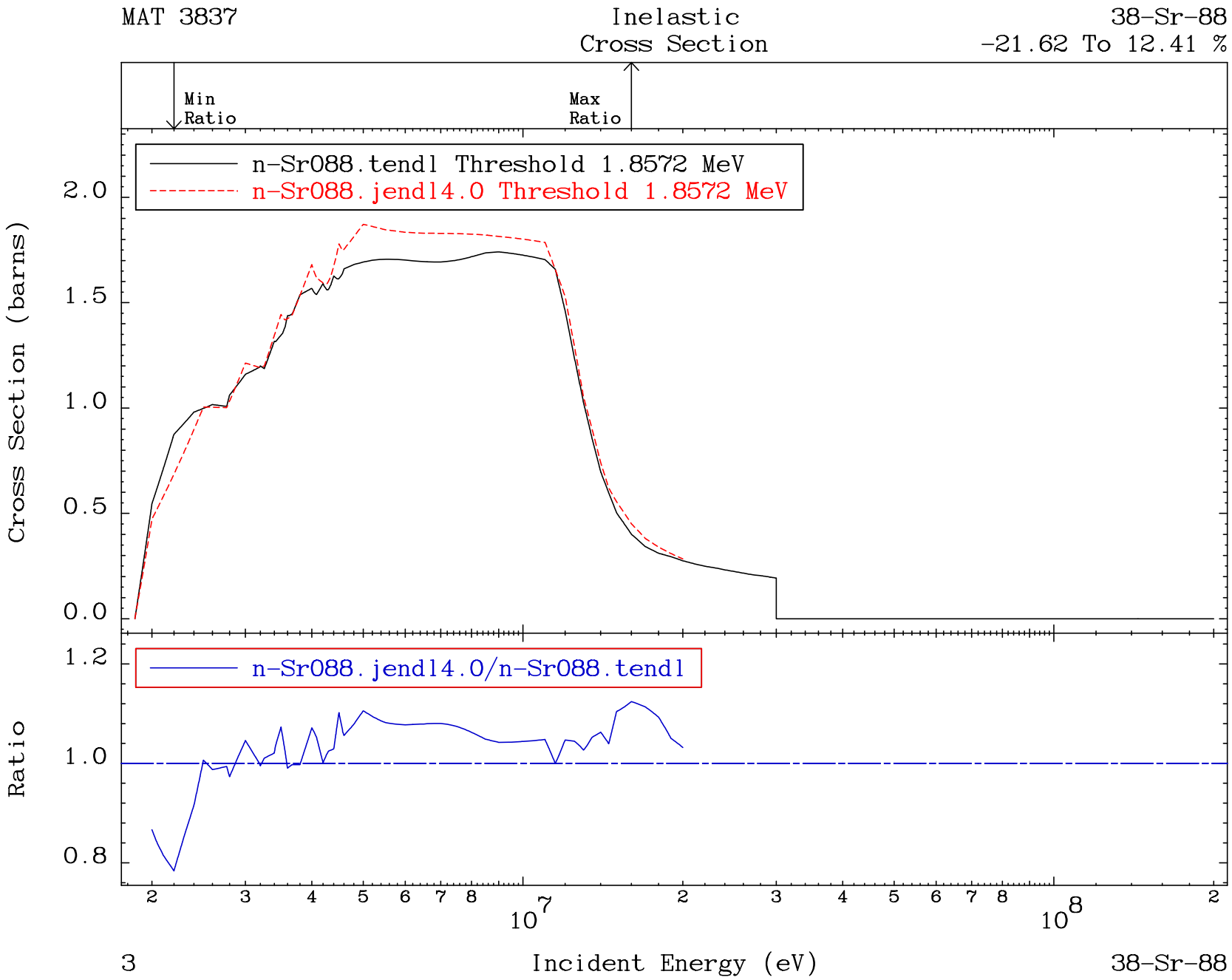
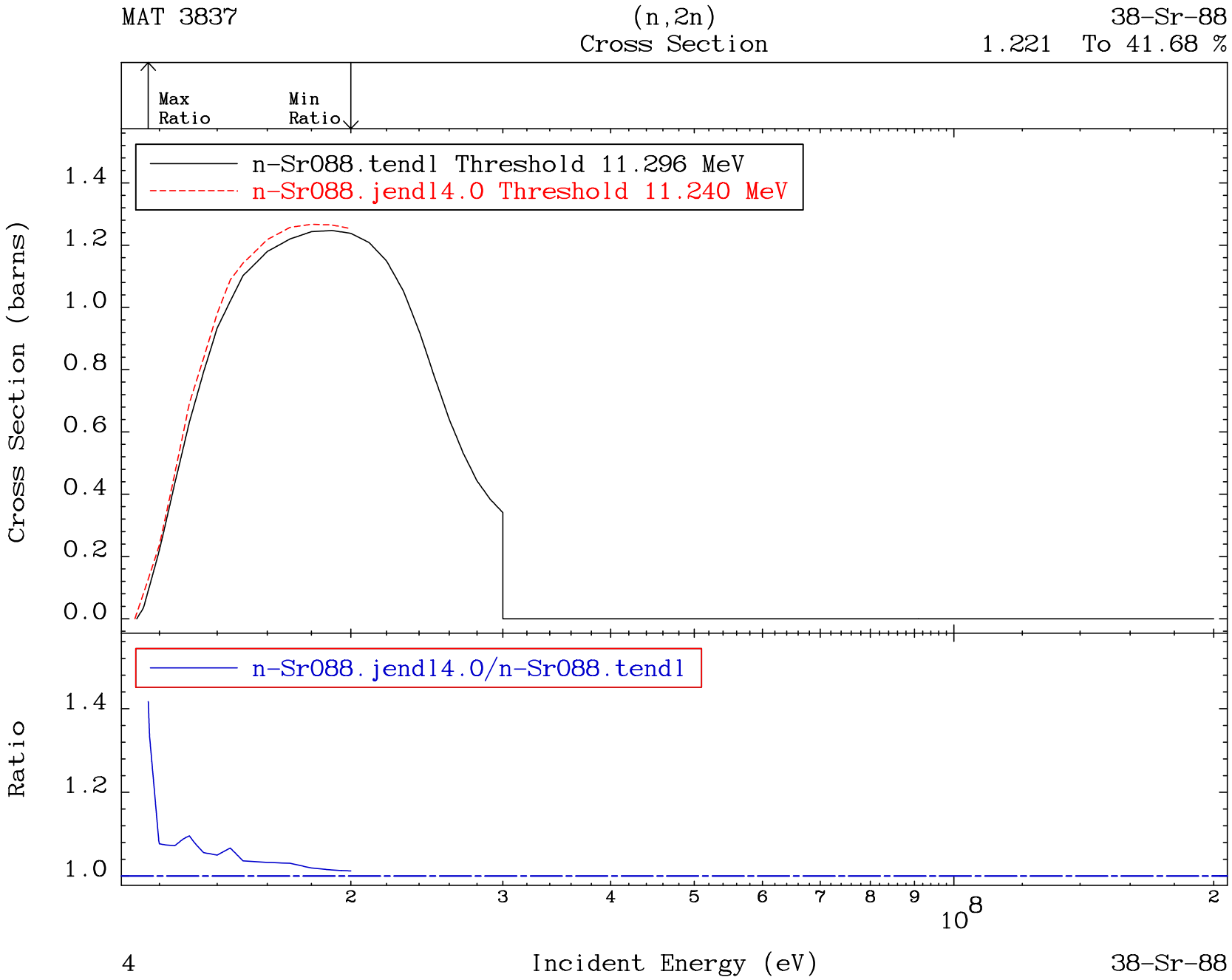
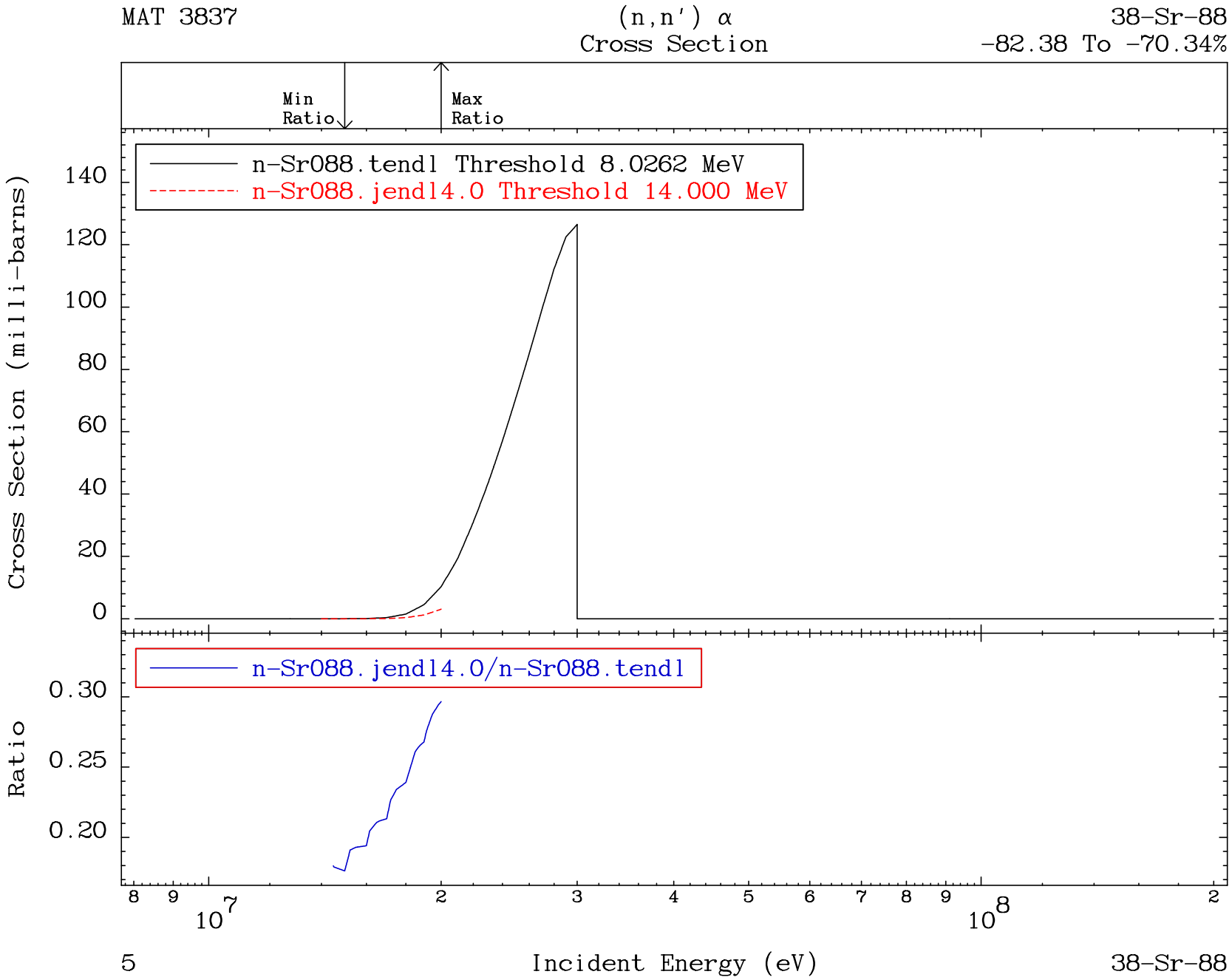
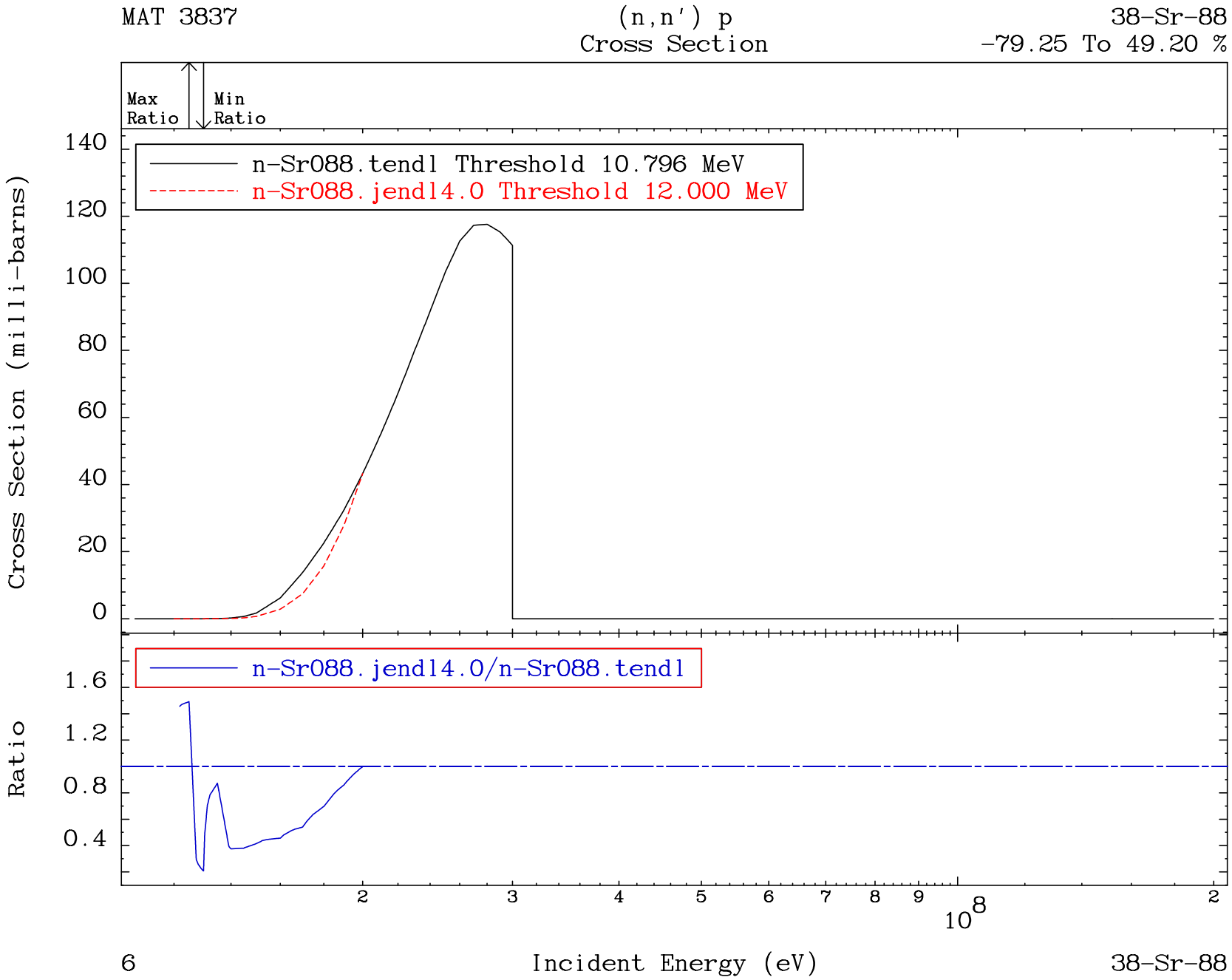

MAT 3837
Total
Cross Section
38-Sr-88
-95.85 To 944.3 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
1
38-Sr-88

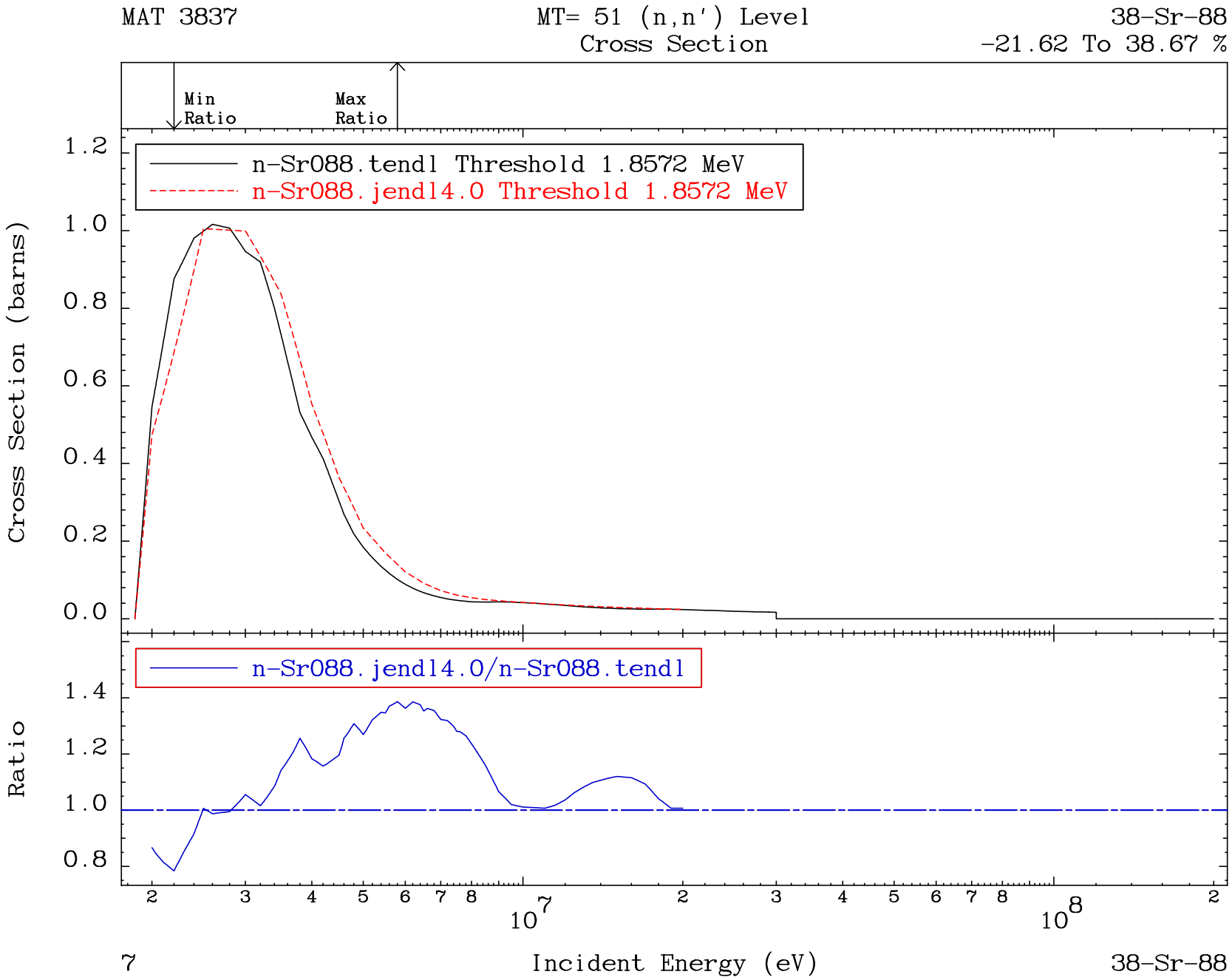

MAT 3837
Elastic
Cross Section
38-Sr-88
-95.95 To 950.5 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
2
38-Sr-88

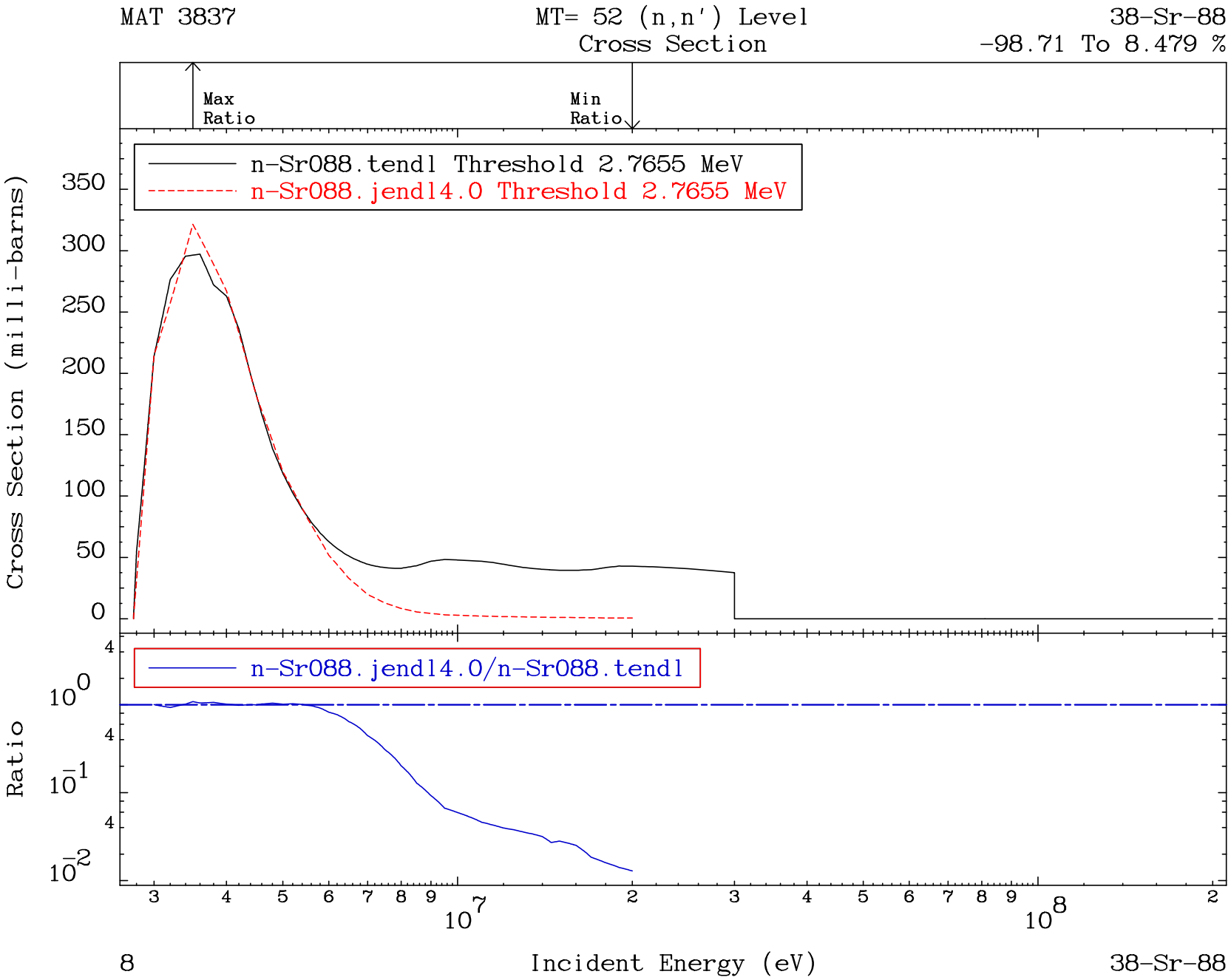

MAT 3837
Inelastic
Cross Section
38-Sr-88
-21.62 To 12.41 %
Min
Ratio
Max
Ratio
n-Sr088.tendl Threshold 1.8572 MeV
n-Sr088.jendl4.0 Threshold 1.8572 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
38-Sr-88

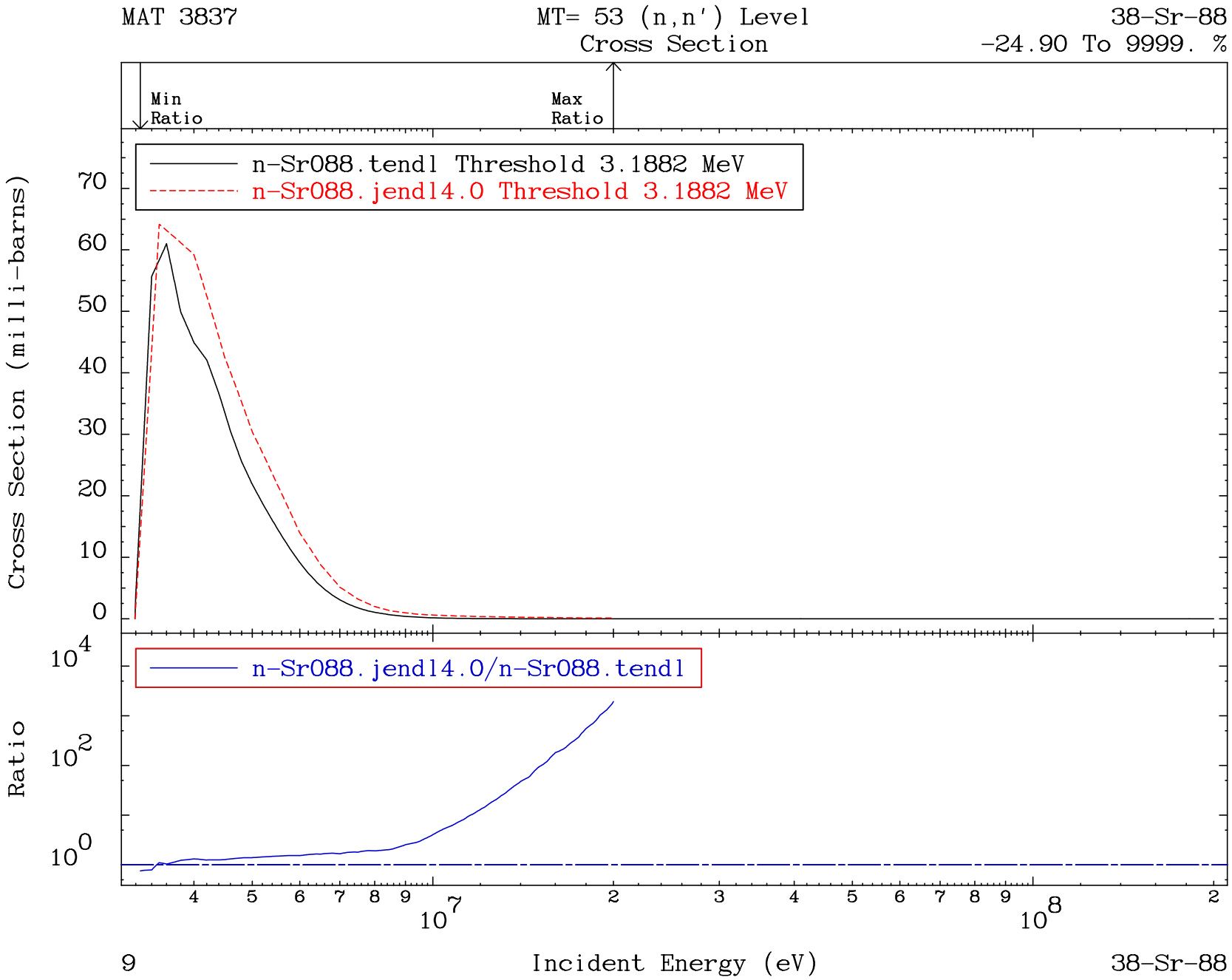

MAT 3837
(n,2n)
Cross Section
38-Sr-88
1.221 To 41.68 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 11.296 MeV
n-Sr088.jendl4.0 Threshold 11.240 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
38-Sr-88

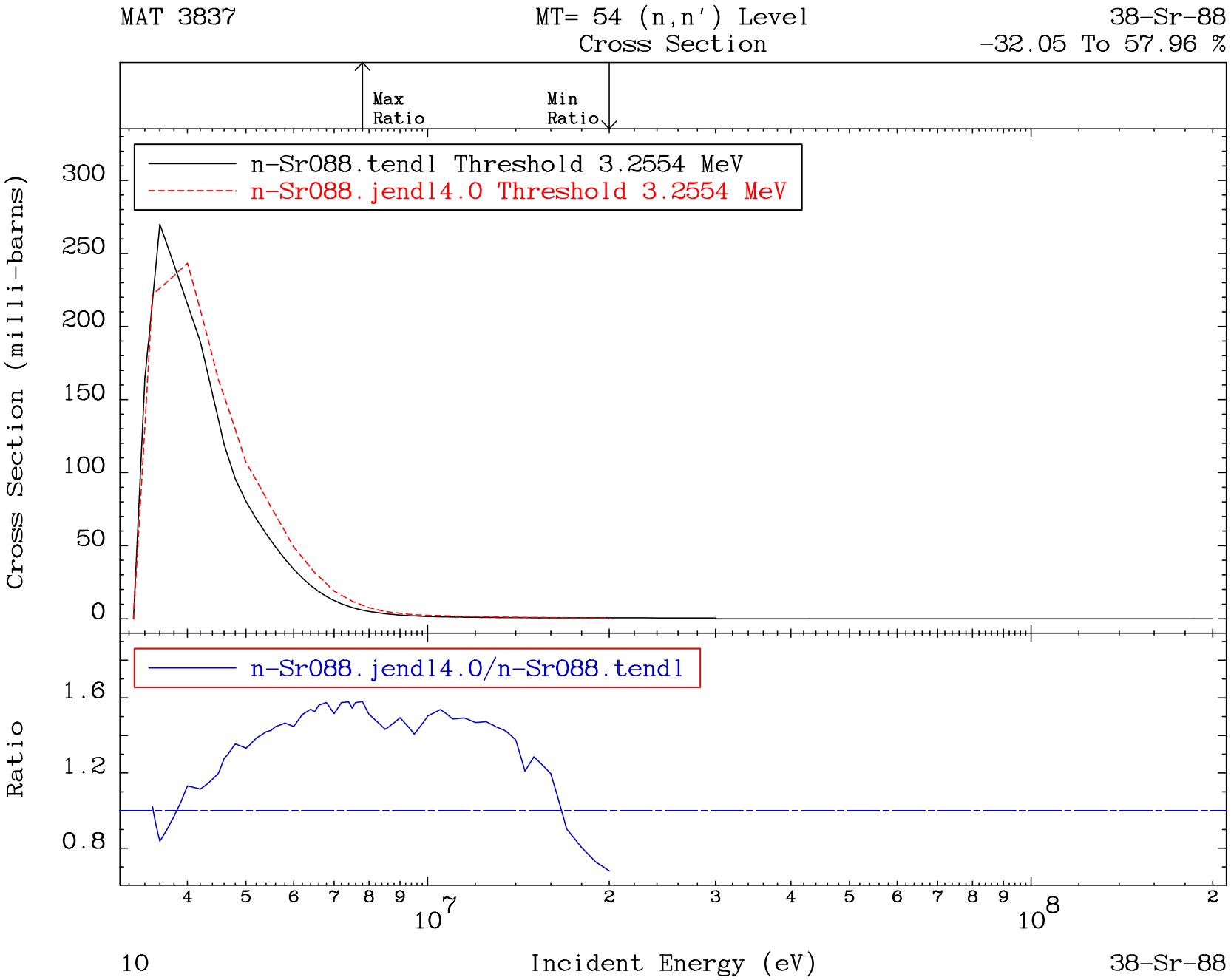

MAT 3837
(n,n') α
Cross Section
38-Sr-88
-82.38 To -70.34%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 8.0262 MeV
n-Sr088.jendl4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
0.30
0.25
0.20
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
38-Sr-88

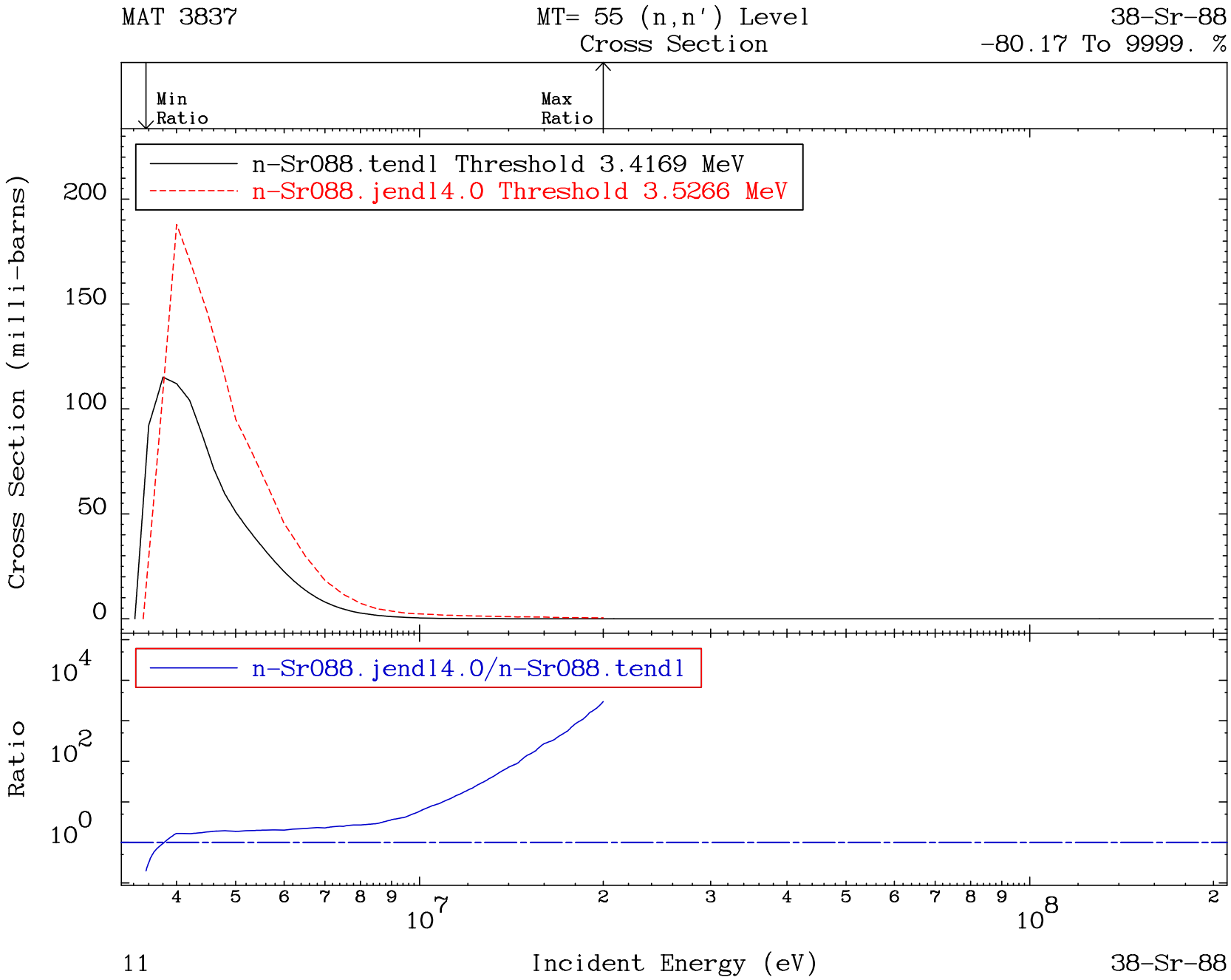

MAT 3837
(n,n') p
Cross Section
38-Sr-88
-79.25 To 49.20 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 10.796 MeV
n-Sr088.jendl4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
38-Sr-88

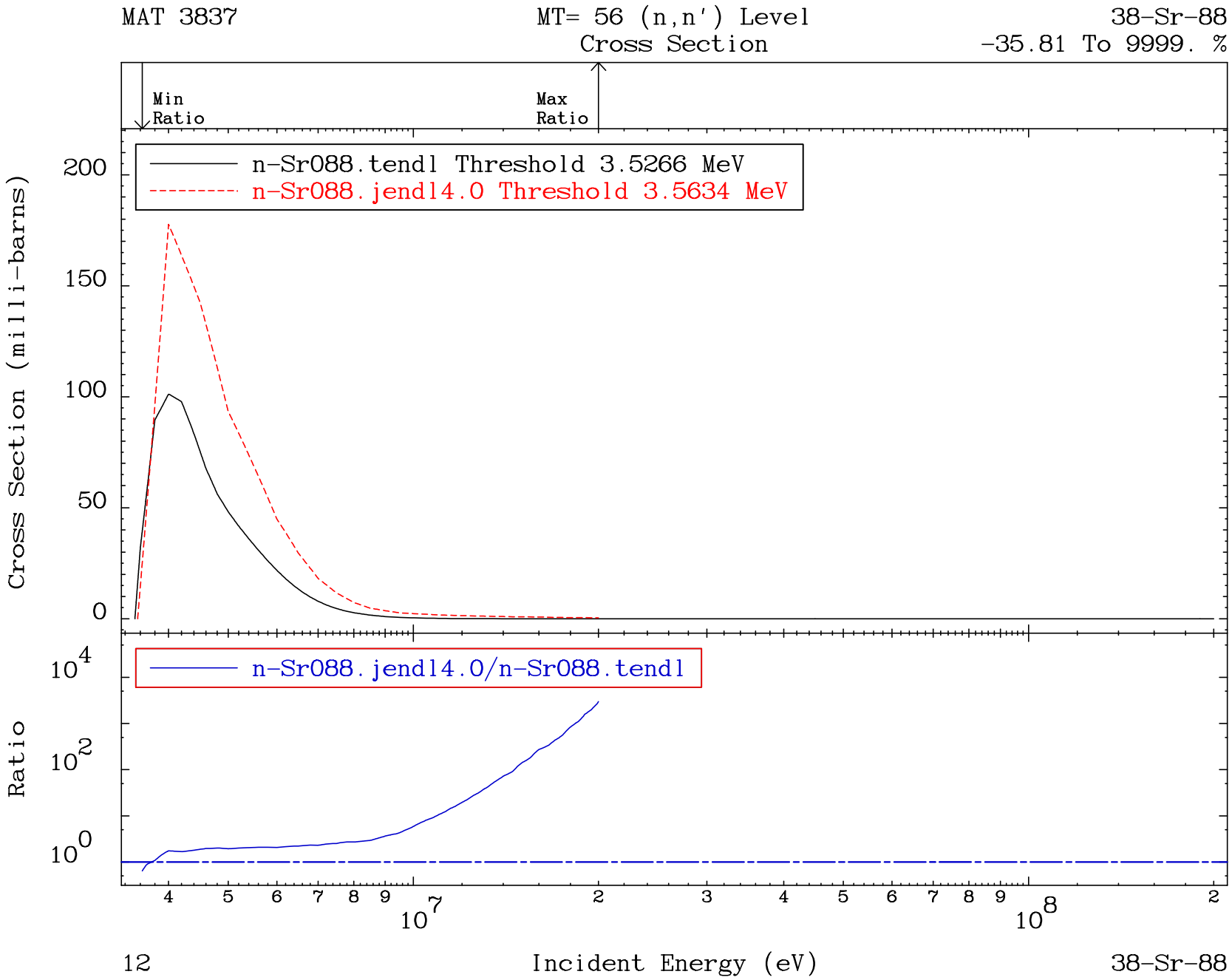

MAT 3837
MT= 51 (n,n') Level
Cross Section
38-Sr-88
-21.62 To 38.67 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 1.8572 MeV
n-Sr088.jendl4.0 Threshold 1.8572 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.4
1.2
1.0
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
38-Sr-88

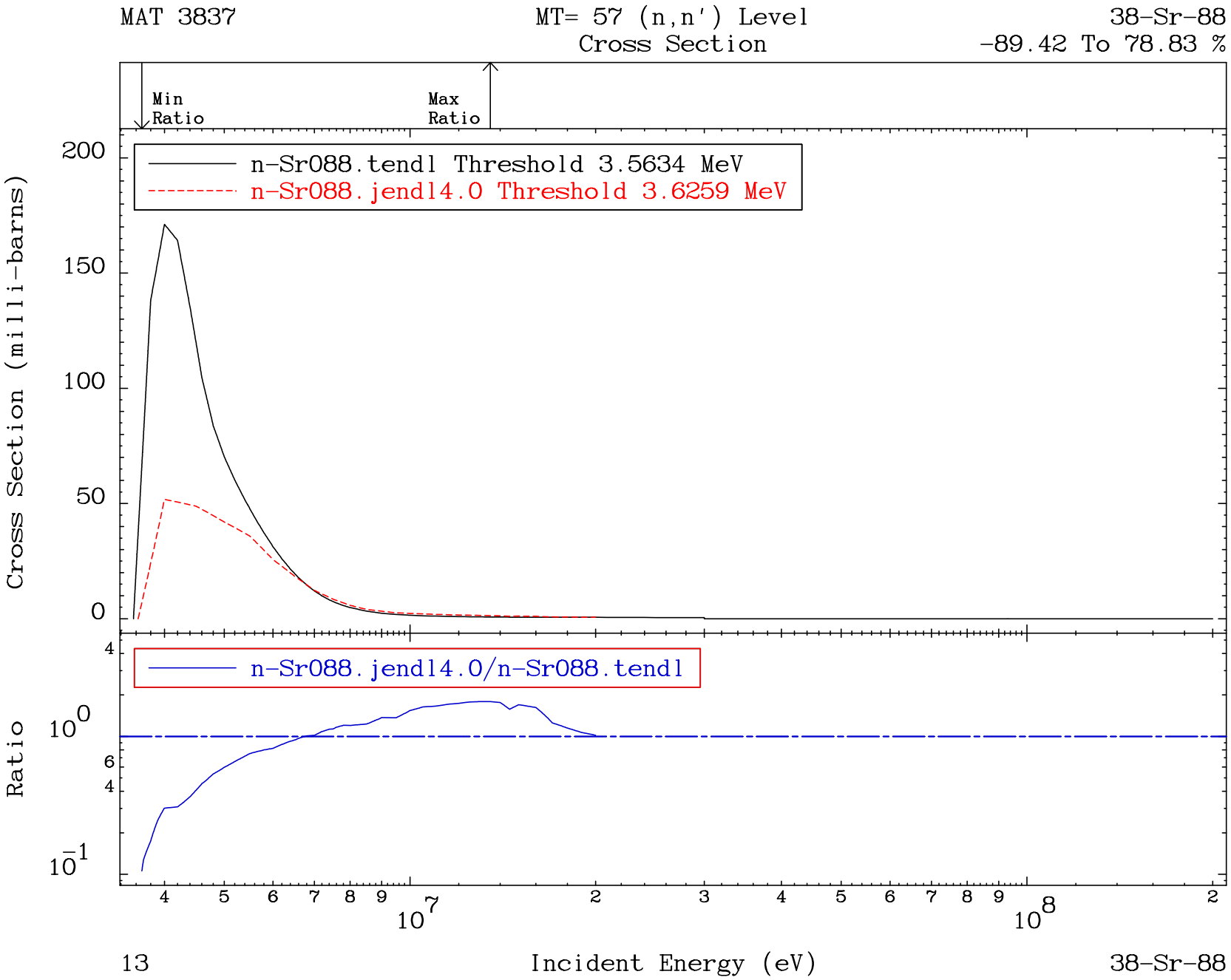

MAT 3837
MT= 52 (n,n') Level
Cross Section
38-Sr-88
-98.71 To 8.479 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 2.7655 MeV
n-Sr088.jendl4.0 Threshold 2.7655 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
4
10^0
4
10^-1
4
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
38-Sr-88

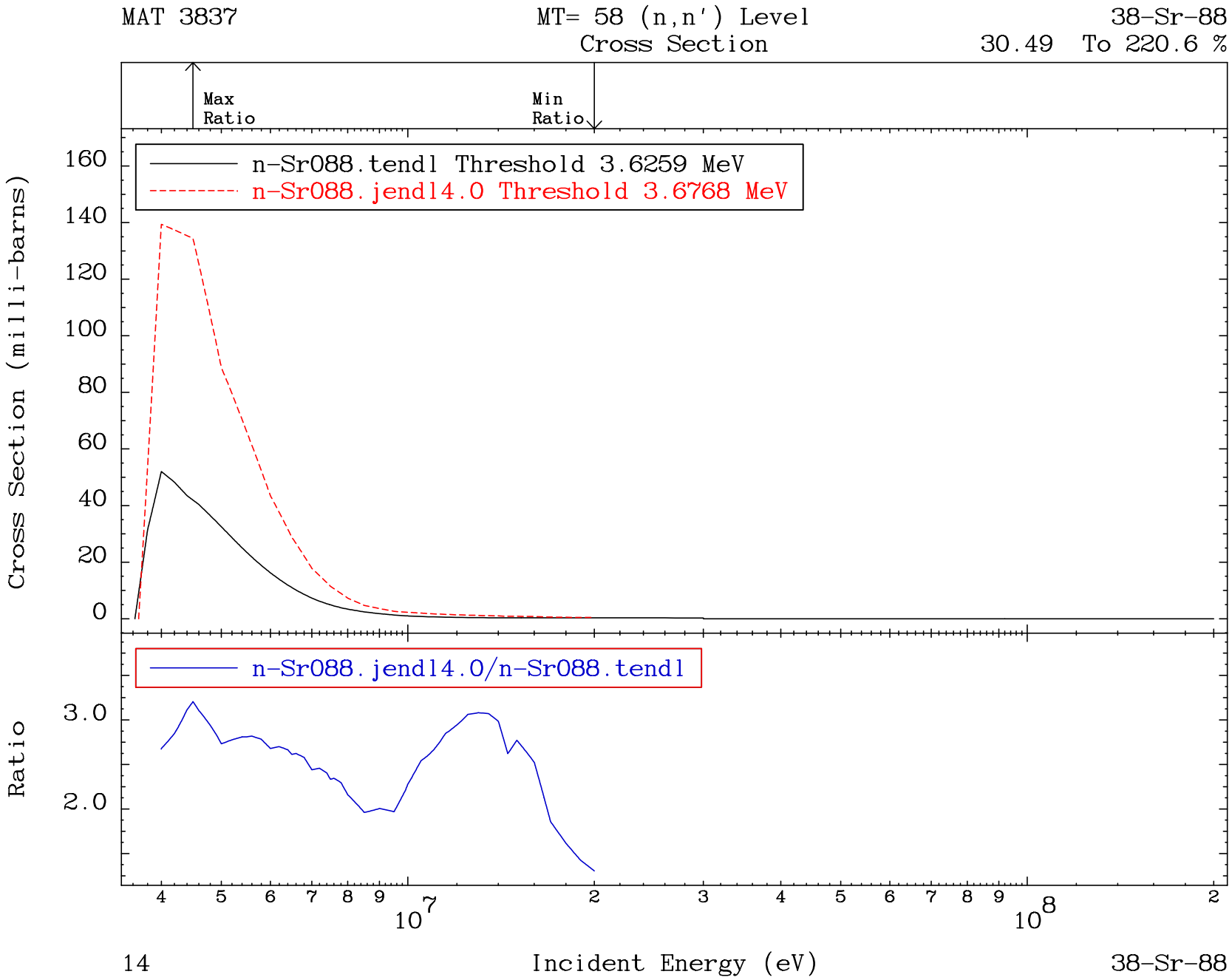

MAT 3837
MT= 53 (n,n') Level
Cross Section
38-Sr-88
-24.90 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.1882 MeV
n-Sr088.jendl4.0 Threshold 3.1882 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
38-Sr-88

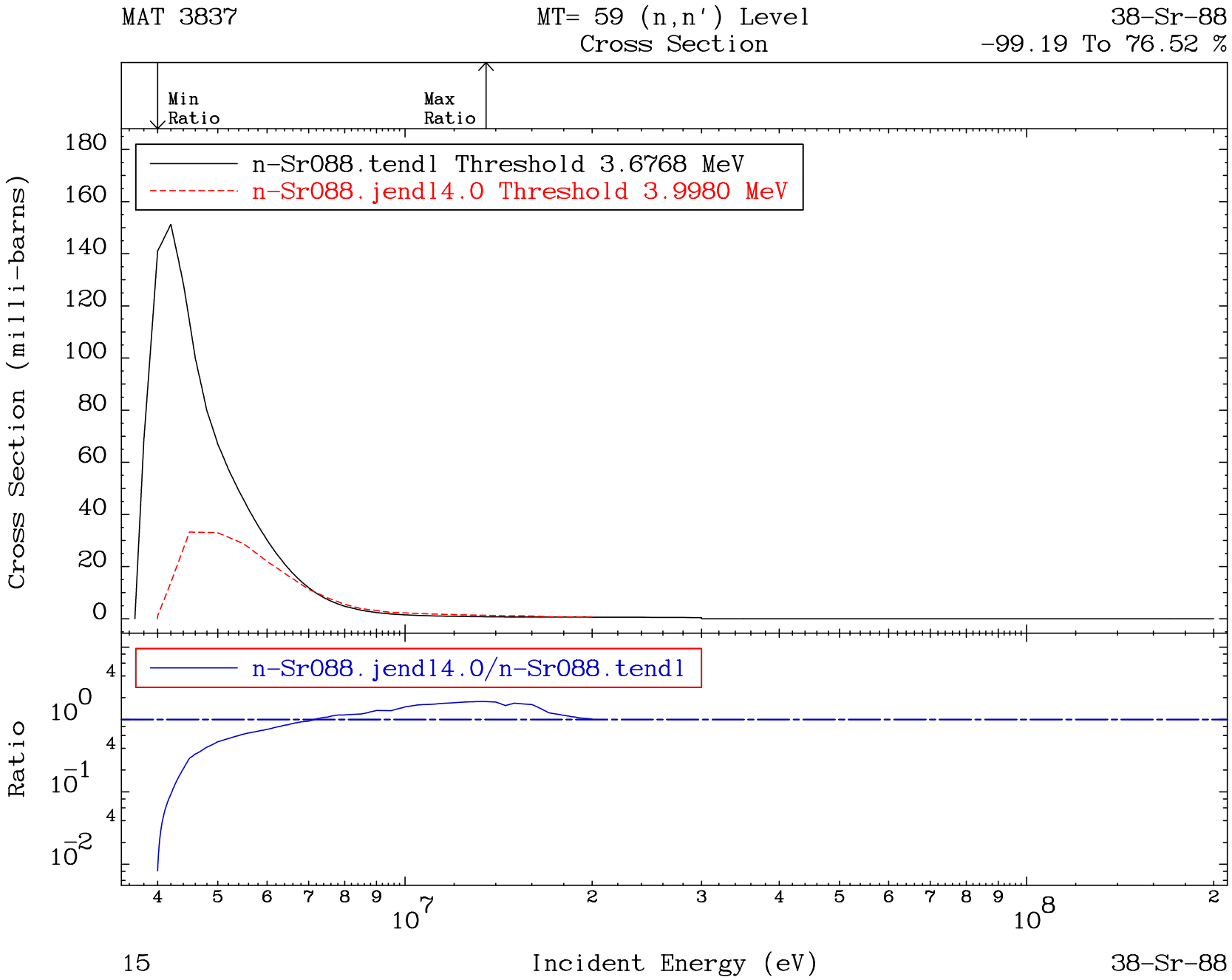

MAT 3837
MT= 54 (n,n') Level
Cross Section
38-Sr-88
-32.05 To 57.96 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 3.2554 MeV
n-Sr088.jendl4.0 Threshold 3.2554 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.6
1.2
0.8
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
38-Sr-88

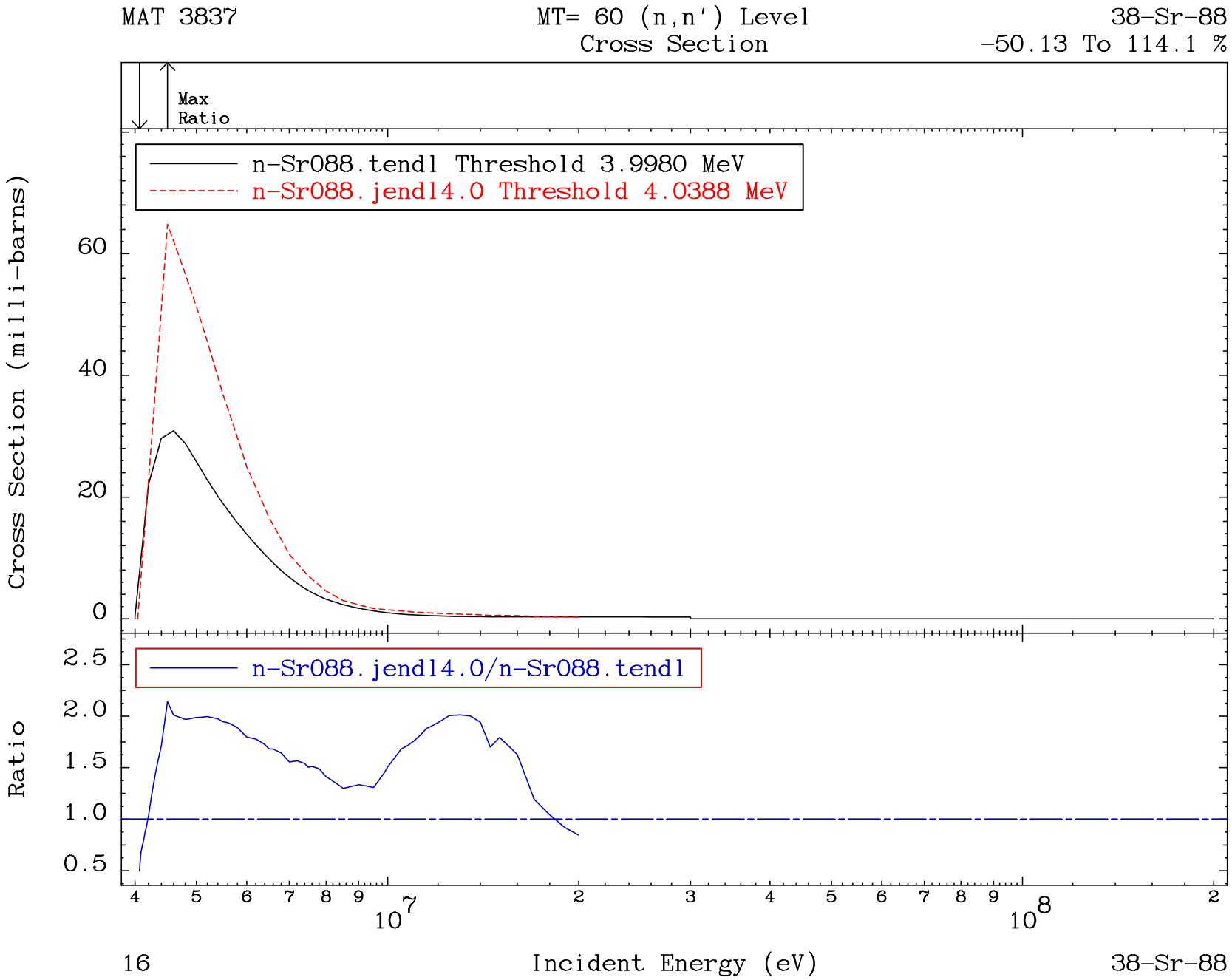

MAT 3837
MT= 55 (n,n') Level
Cross Section
38-Sr-88
-80.17 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.4169 MeV
n-Sr088.jendl4.0 Threshold 3.5266 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
38-Sr-88

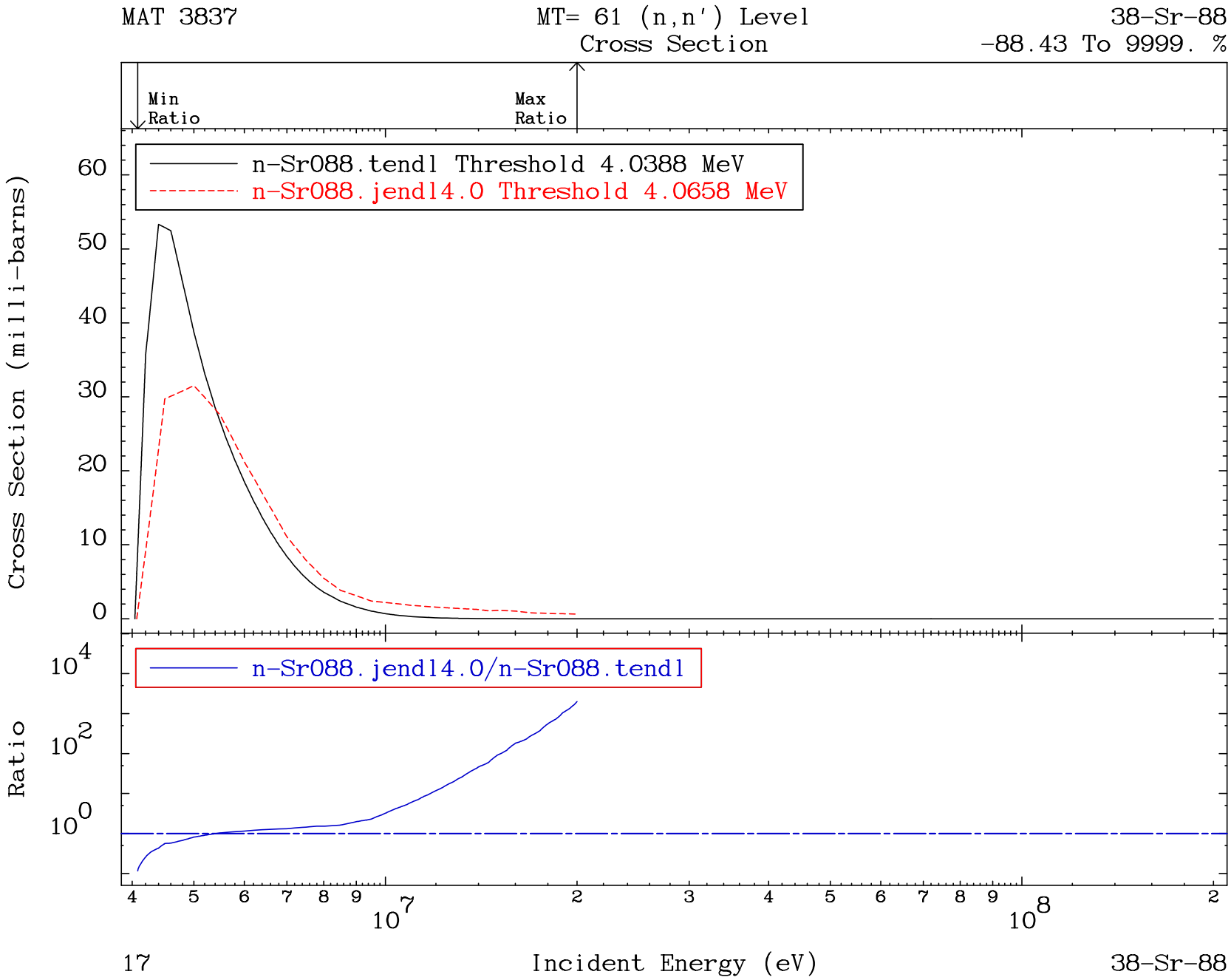

MAT 3837
MT= 56 (n,n') Level
Cross Section
38-Sr-88
-35.81 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.5266 MeV
n-Sr088.jendl4.0 Threshold 3.5634 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
38-Sr-88

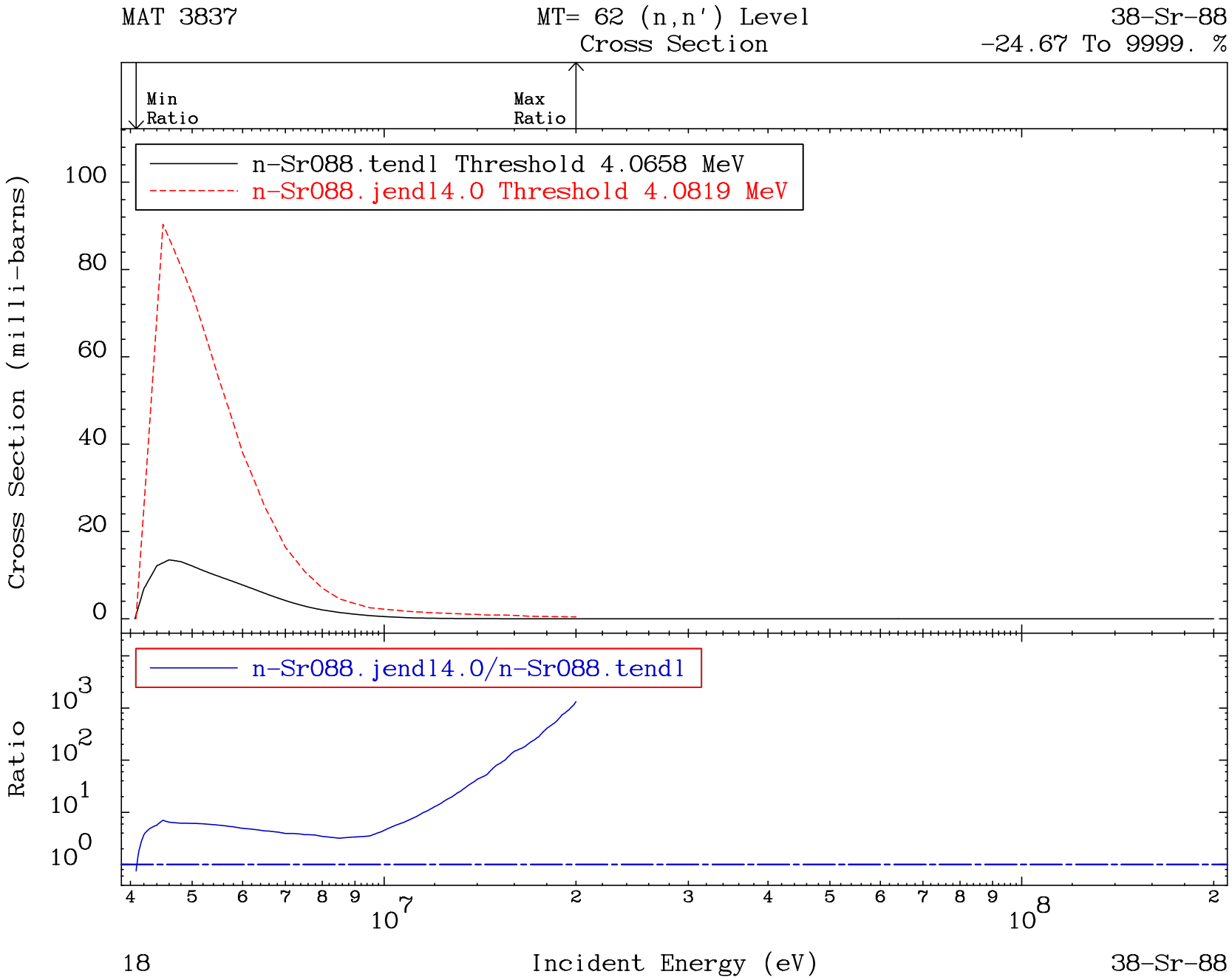

MAT 3837
MT= 57 (n,n') Level
Cross Section
38-Sr-88
-89.42 To 78.83 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.5634 MeV
n-Sr088.jendl4.0 Threshold 3.6259 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
4
10^0
6
4
10^-1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
38-Sr-88

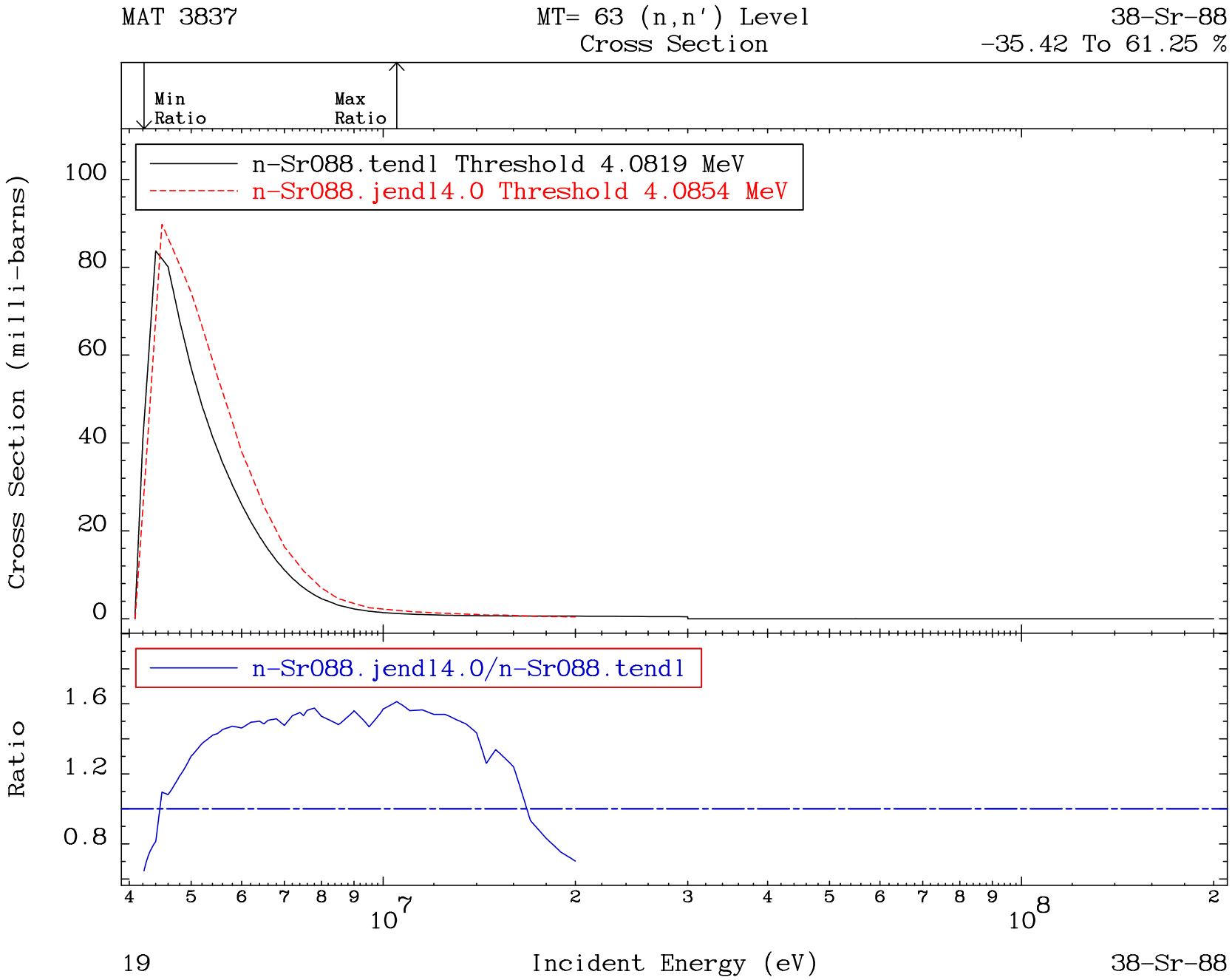

MAT 3837
MT= 58 (n,n') Level
Cross Section
38-Sr-88
30.49 To 220.6 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 3.6259 MeV
n-Sr088.jendl4.0 Threshold 3.6768 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
3.0
2.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
38-Sr-88

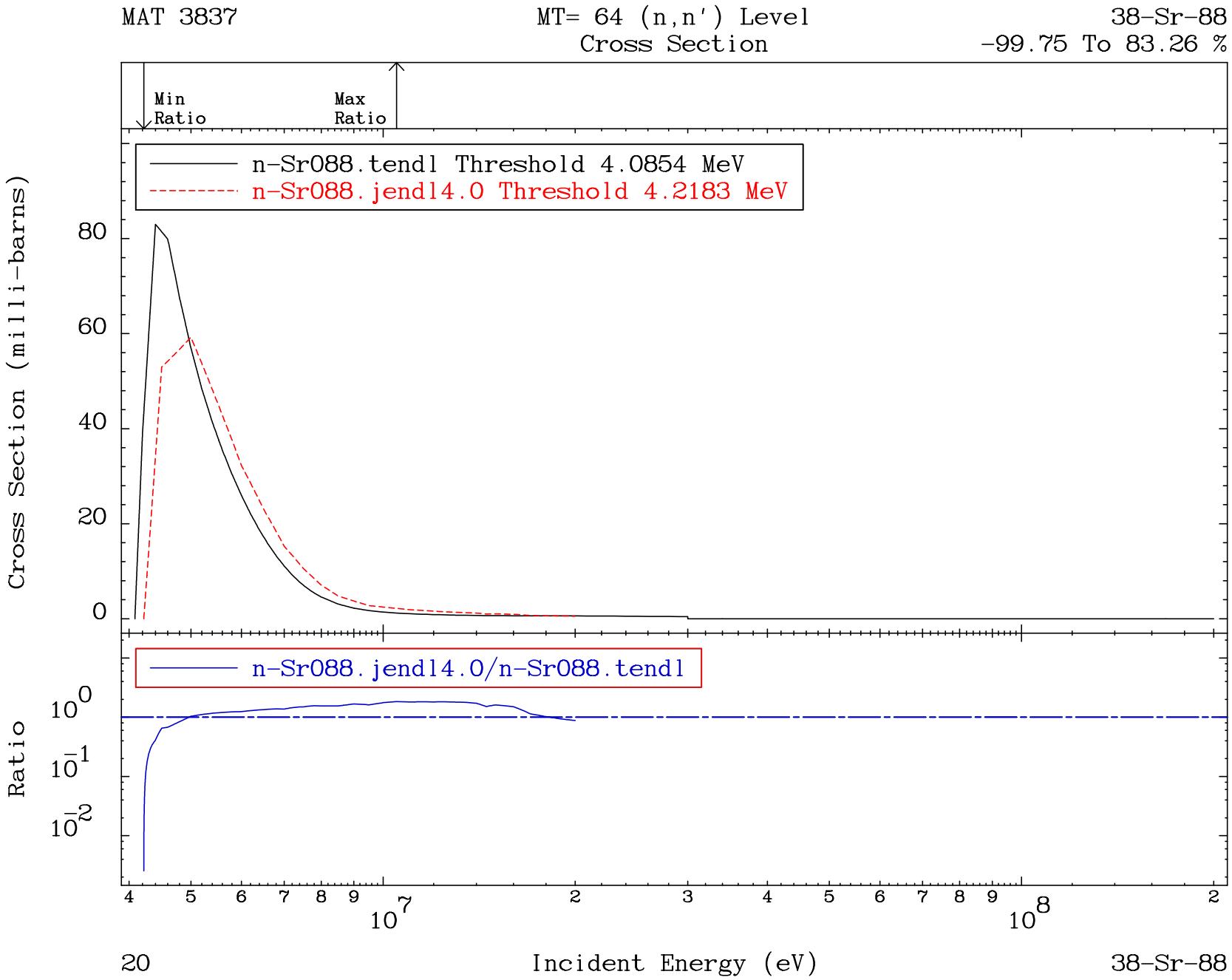

MAT 3837
MT= 59 (n,n') Level
Cross Section
38-Sr-88
-99.19 To 76.52 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.6768 MeV
n-Sr088.jendl4.0 Threshold 3.9980 MeV
Cross Section (milli-barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
15
38-Sr-88

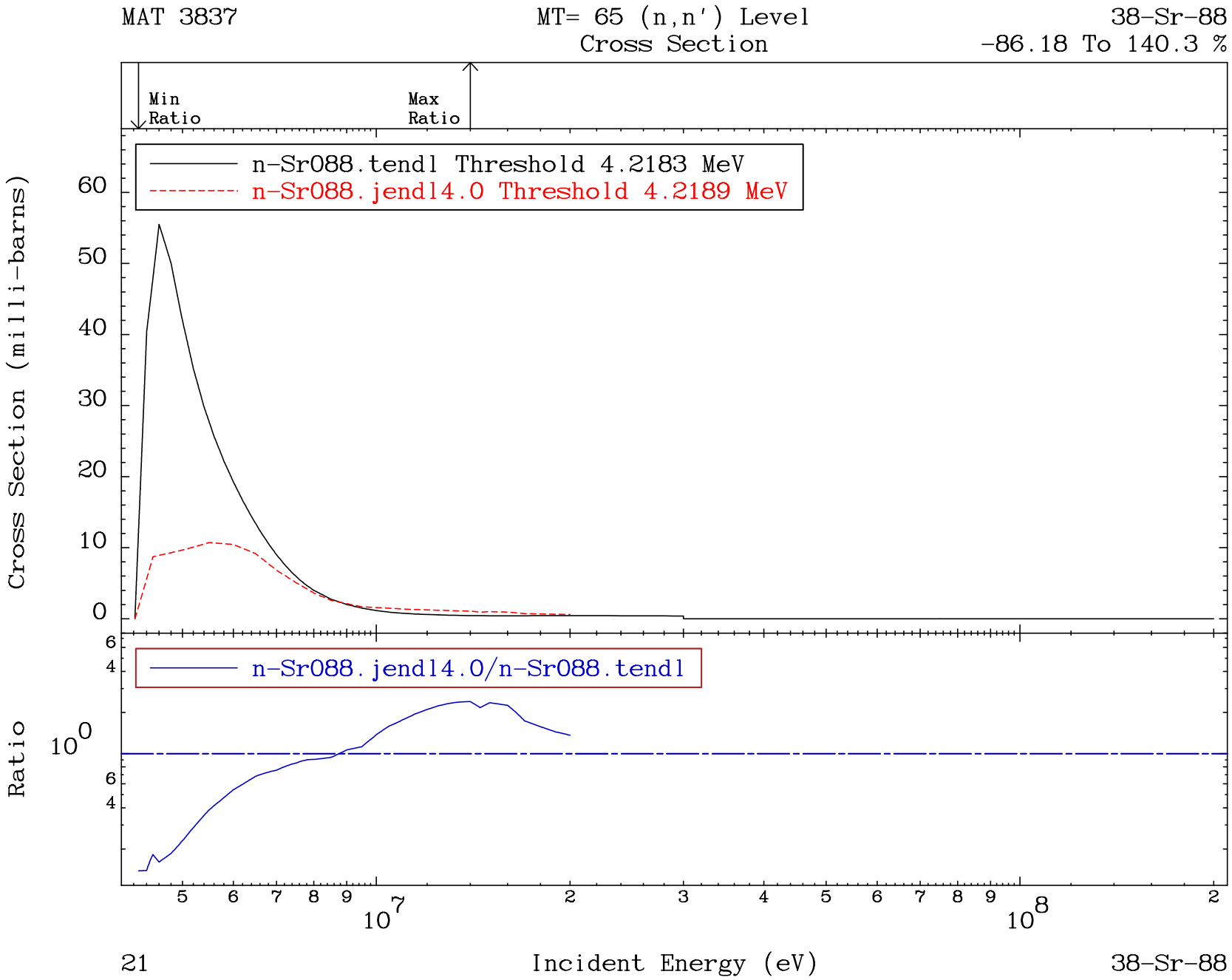

MAT 3837
MT= 60 (n,n') Level
Cross Section
38-Sr-88
-50.13 To 114.1 %
Max
Ratio
n-Sr088.tendl Threshold 3.9980 MeV
n-Sr088.jendl4.0 Threshold 4.0388 MeV
Cross Section (milli-barns)
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
2.5
2.0
1.5
1.0
0.5
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
38-Sr-88

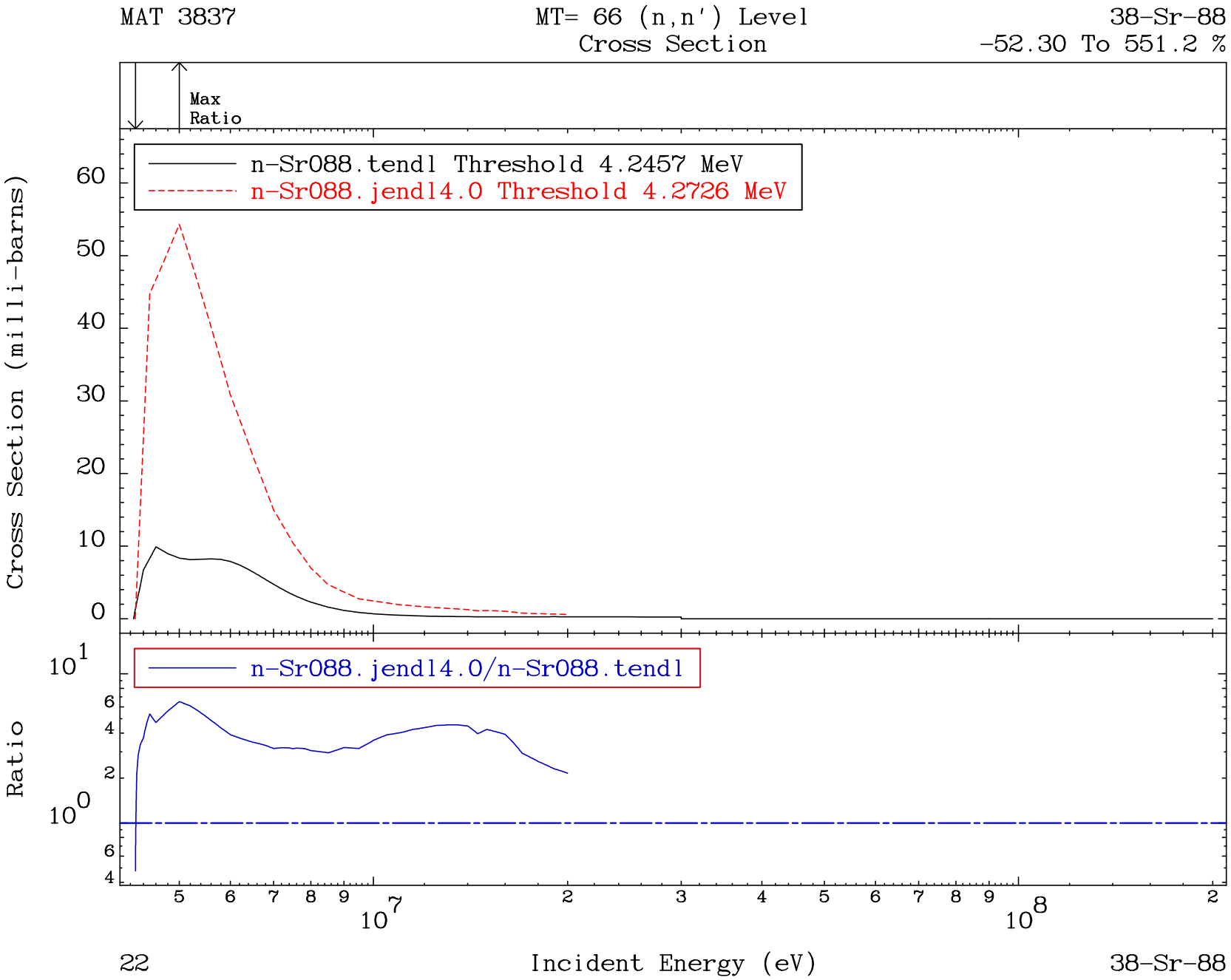

MAT 3837
MT= 61 (n,n') Level
Cross Section
38-Sr-88
-88.43 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0388 MeV
n-Sr088.jendl4.0 Threshold 4.0658 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
38-Sr-88

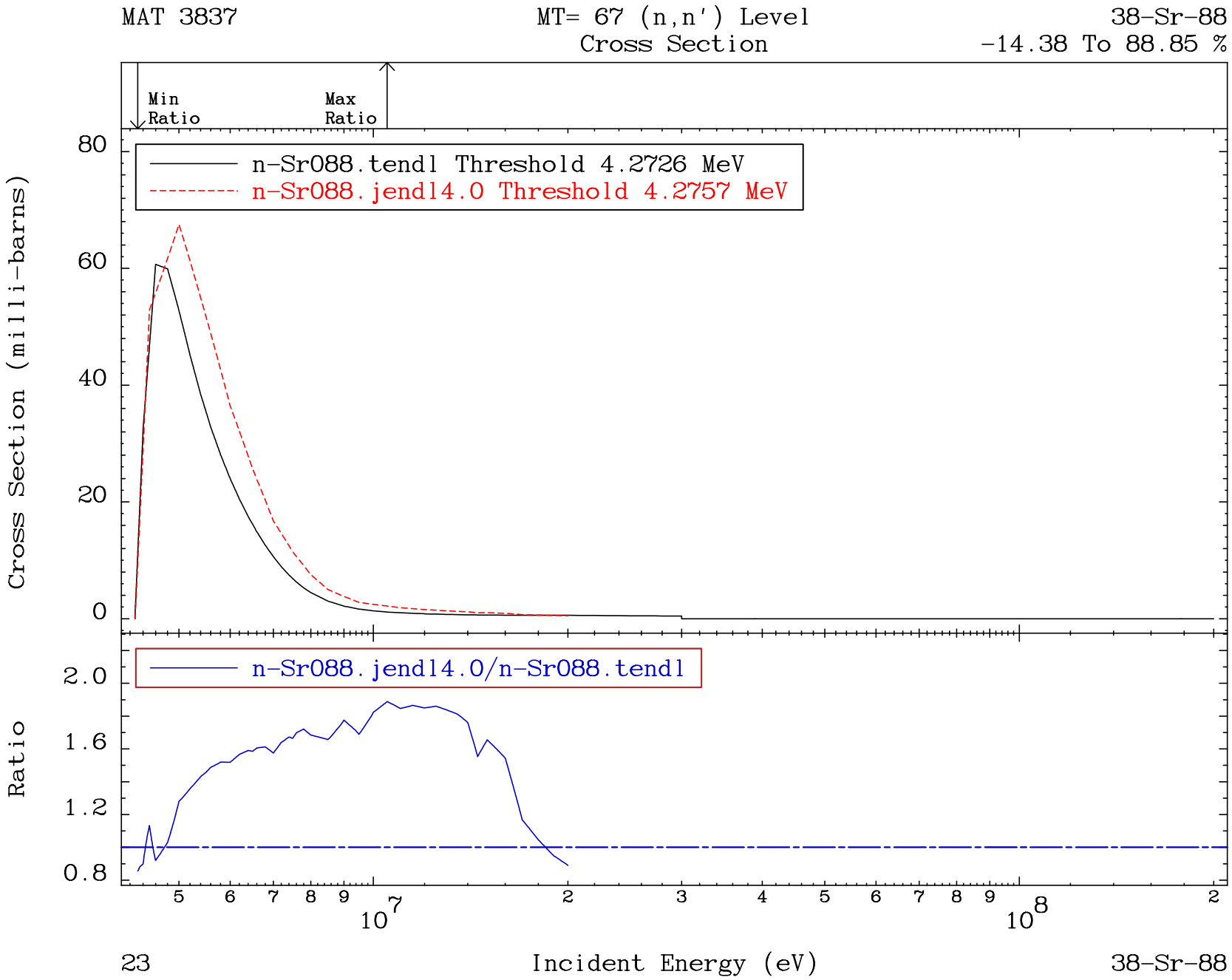

MAT 3837
MT= 62 (n,n') Level
Cross Section
38-Sr-88
-24.67 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0658 MeV
n-Sr088.jendl4.0 Threshold 4.0819 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^3
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
38-Sr-88

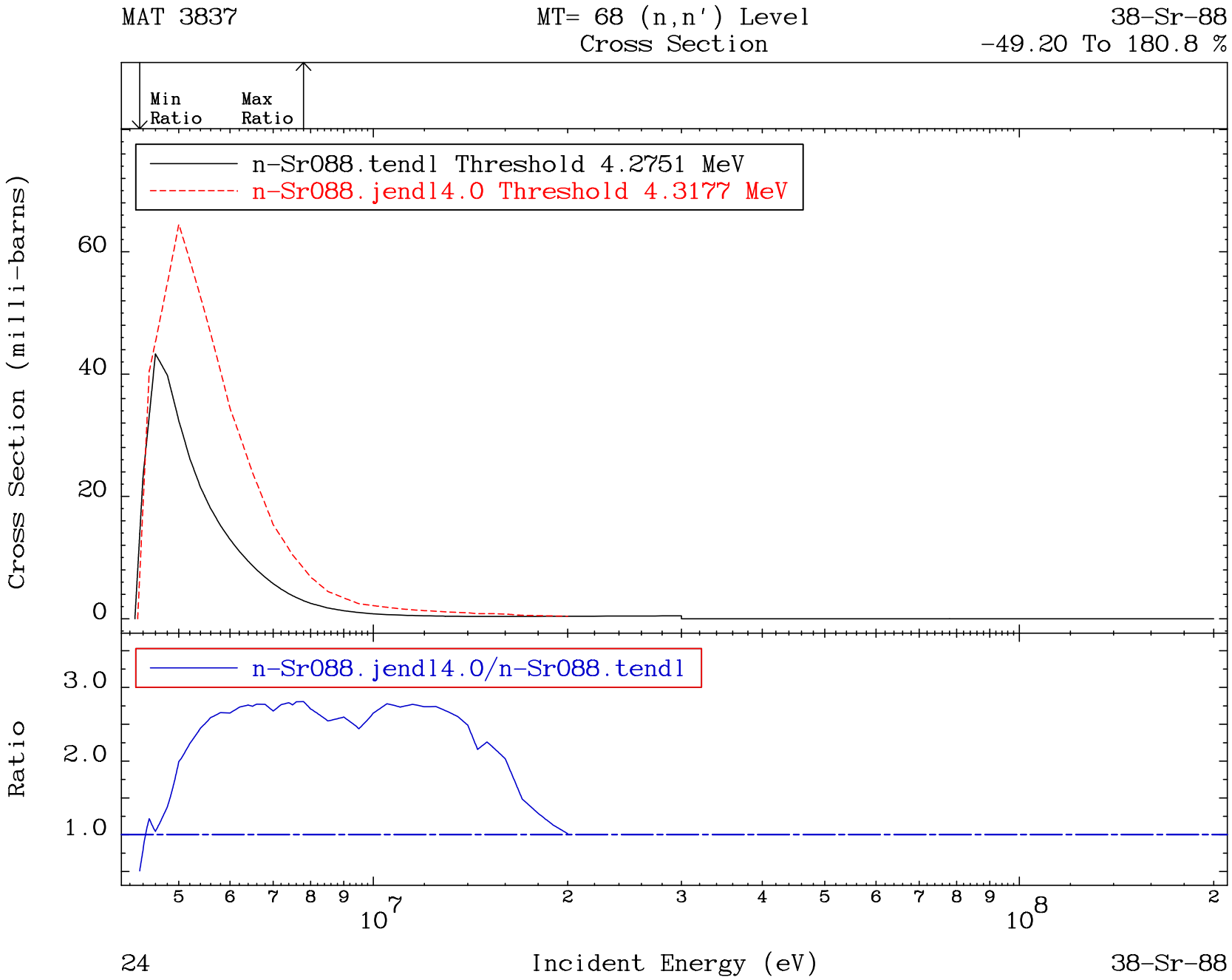

MAT 3837
MT= 63 (n,n') Level
Cross Section
38-Sr-88
-35.42 To 61.25 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0819 MeV
n-Sr088.jendl4.0 Threshold 4.0854 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.6
1.2
0.8
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
38-Sr-88

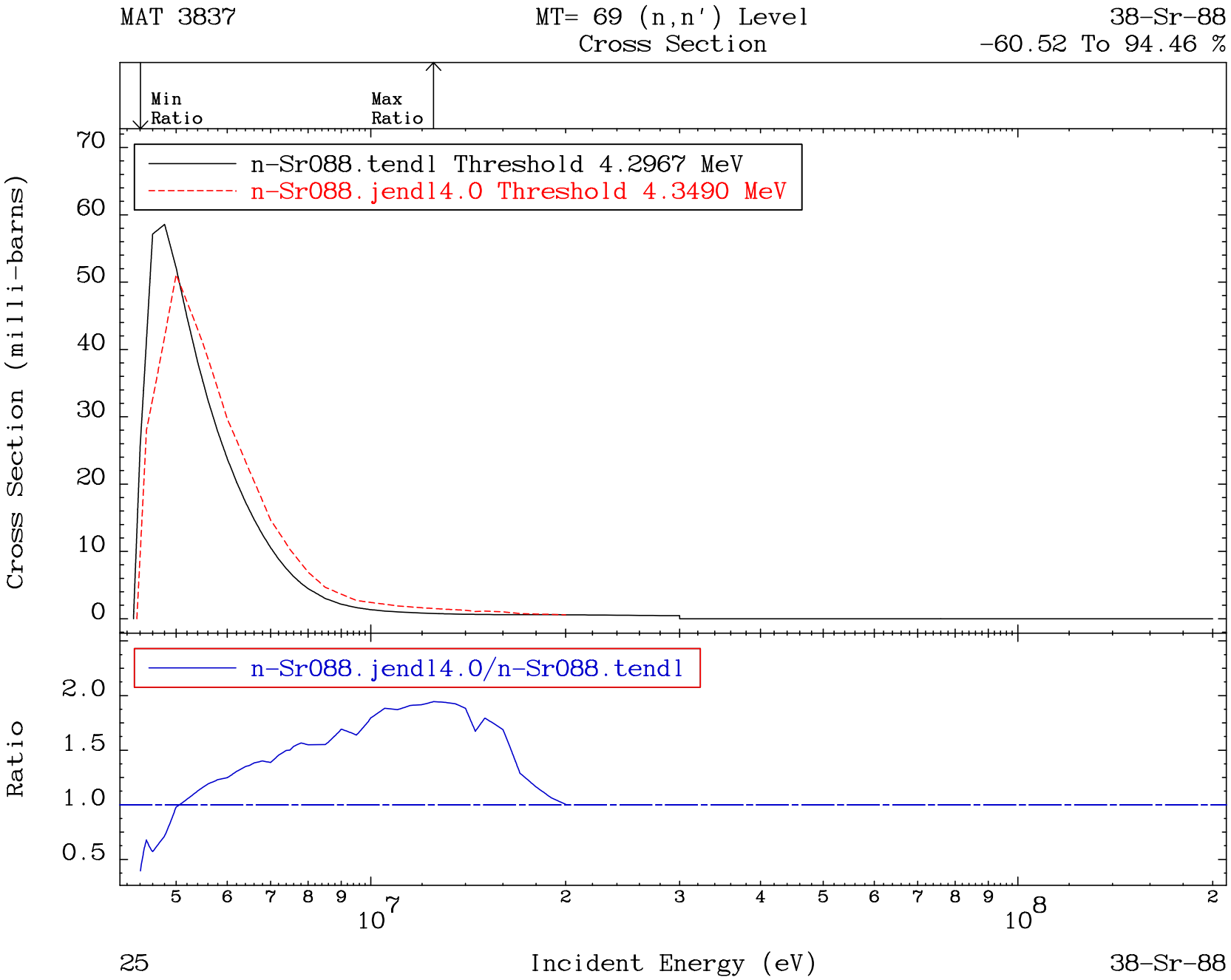

MAT 3837
MT= 64 (n,n') Level
Cross Section
38-Sr-88
-99.75 To 83.26 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0854 MeV
n-Sr088.jendl4.0 Threshold 4.2183 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^0
10^-1
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
38-Sr-88

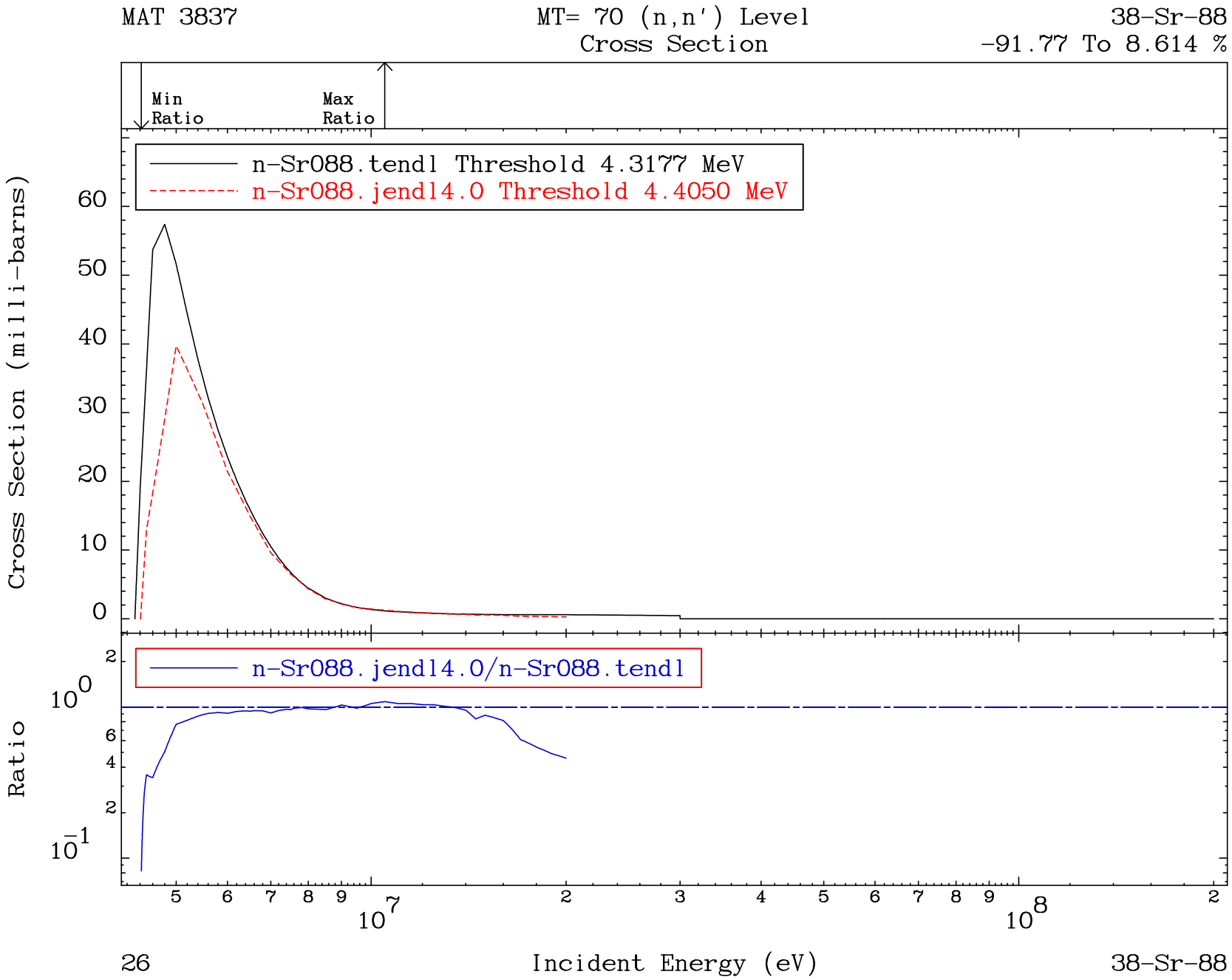

MAT 3837
MT= 65 (n,n') Level
Cross Section
38-Sr-88
-86.18 To 140.3 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2183 MeV
n-Sr088.jendl4.0 Threshold 4.2189 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
6
4
10^0
6
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
38-Sr-88

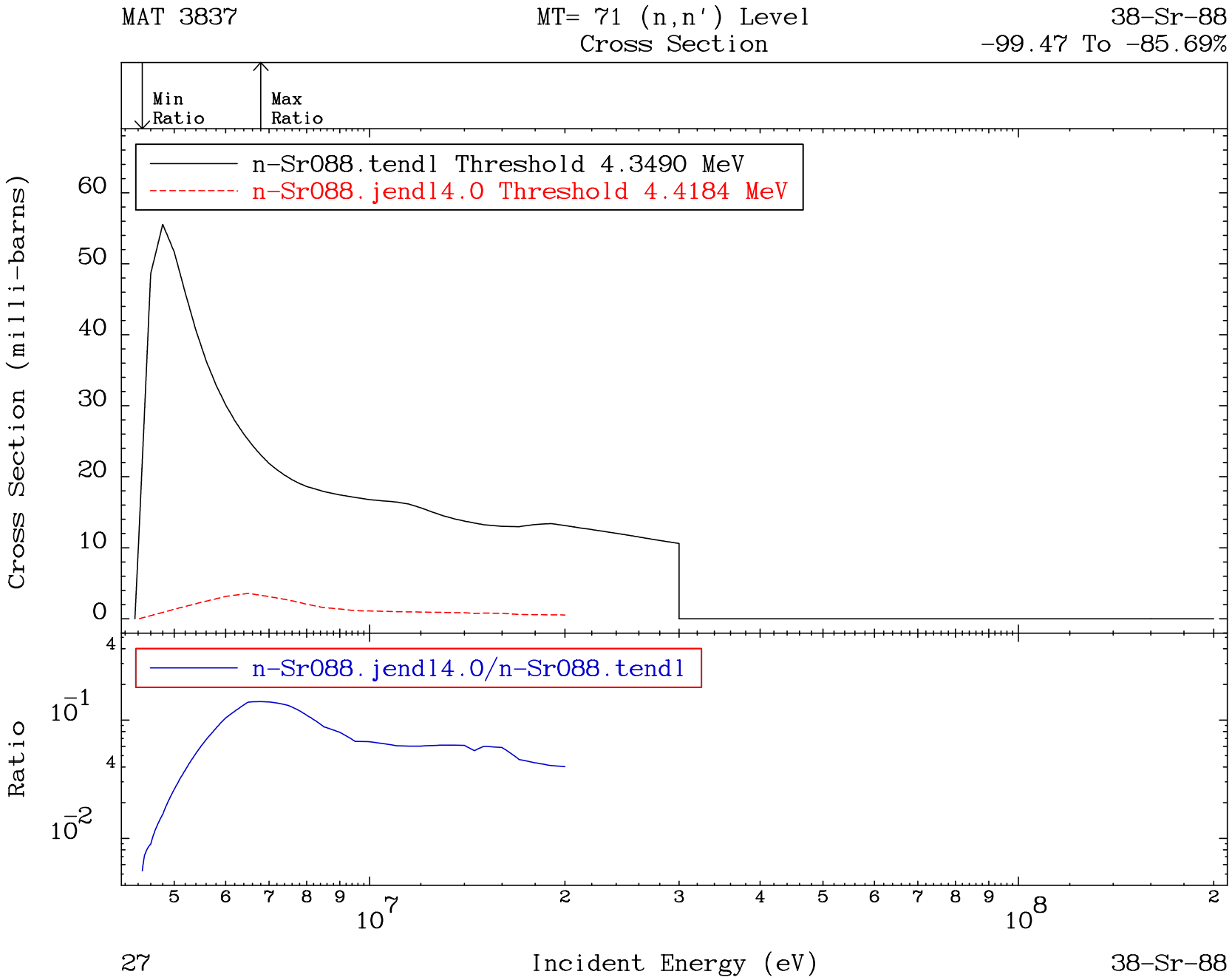

MAT 3837
MT= 66 (n,n') Level
Cross Section
38-Sr-88
-52.30 To 551.2 %
Max
Ratio
n-Sr088.tendl Threshold 4.2457 MeV
n-Sr088.jendl4.0 Threshold 4.2726 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^1
10^0
6
4
2
6
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
38-Sr-88

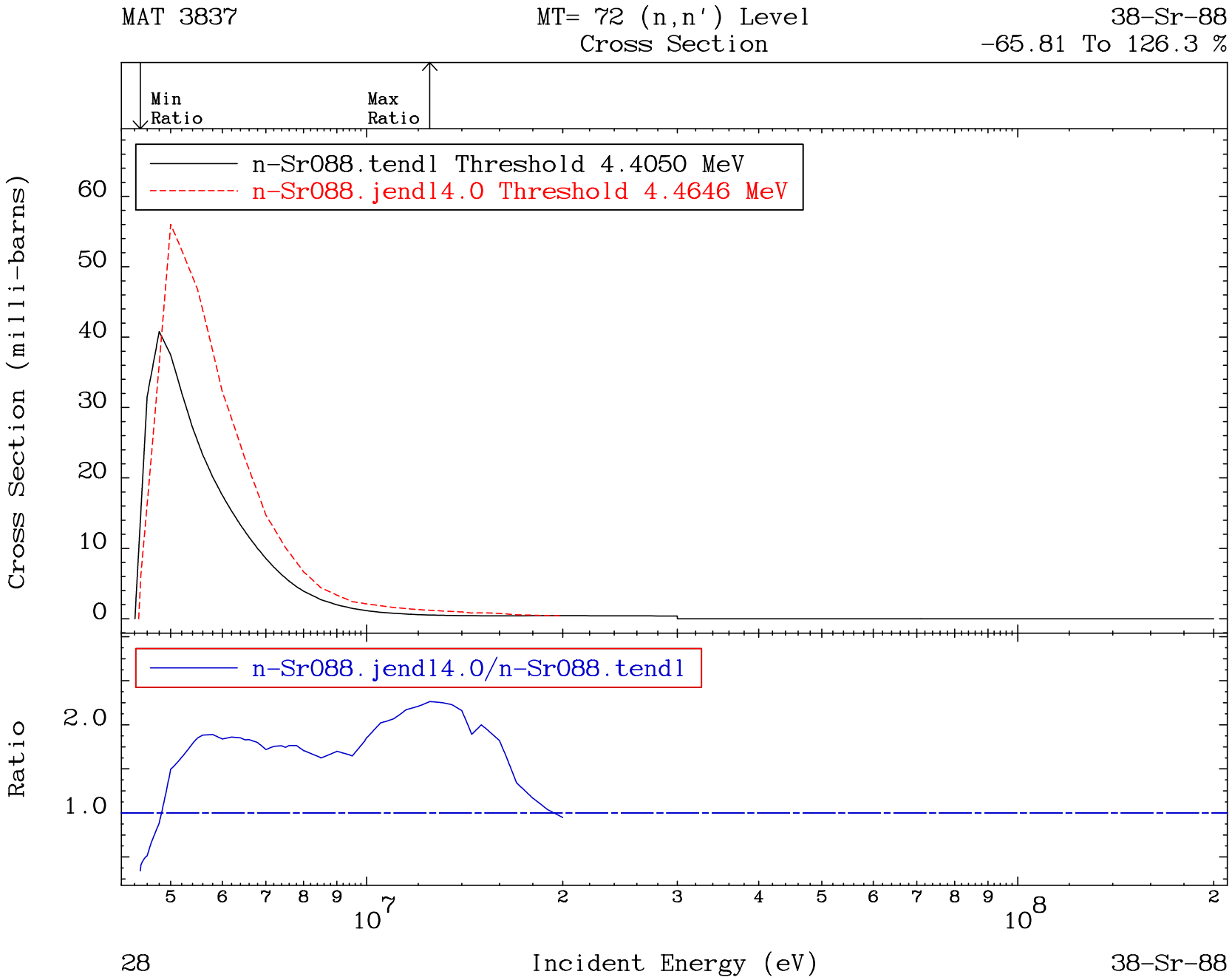

MAT 3837
MT= 67 (n,n') Level
Cross Section
38-Sr-88
-14.38 To 88.85 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2726 MeV
n-Sr088.jendl4.0 Threshold 4.2757 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
2.0
1.6
1.2
0.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
38-Sr-88

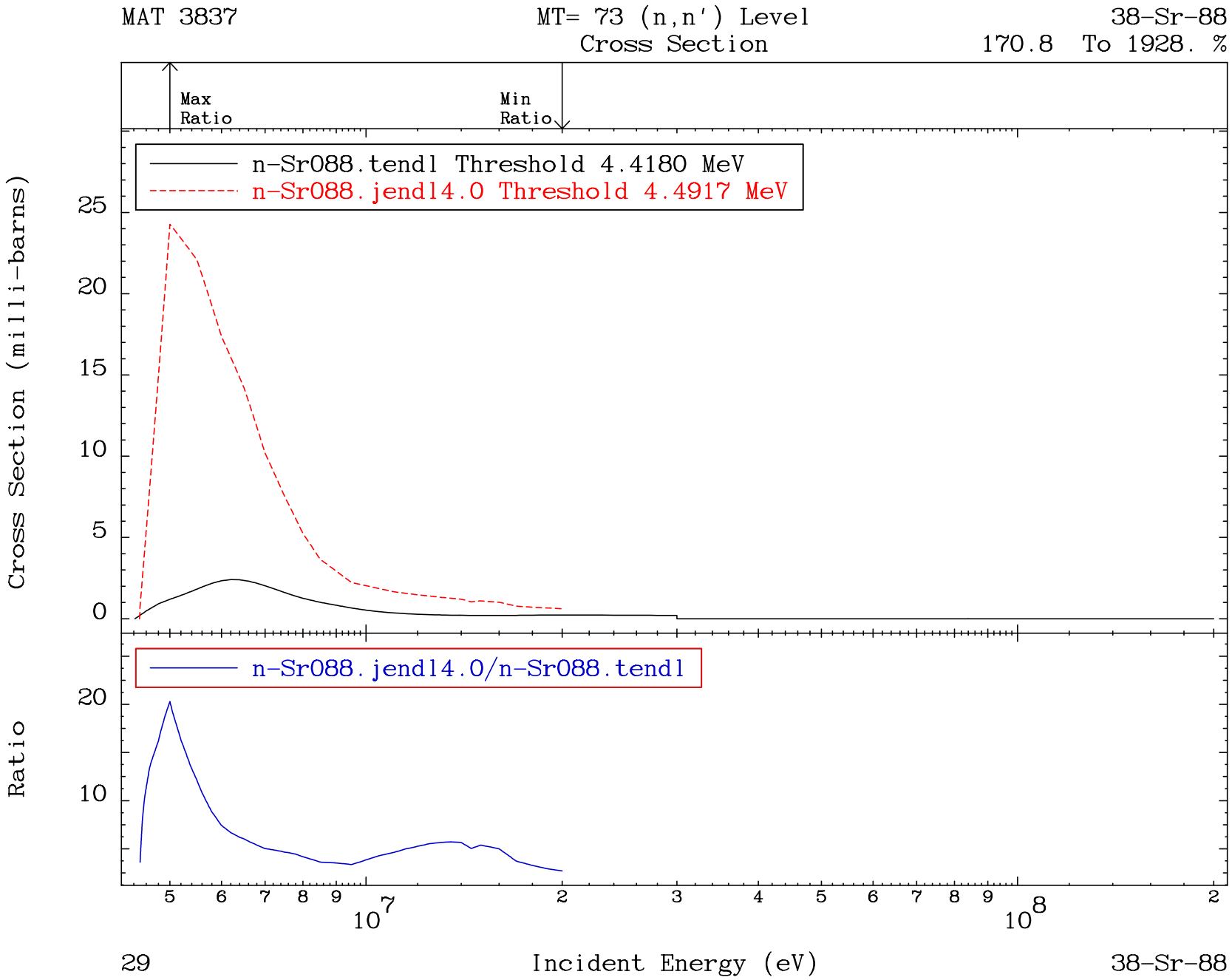

MAT 3837
MT= 68 (n,n') Level
Cross Section
38-Sr-88
-49.20 To 180.8 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2751 MeV
n-Sr088.jendl4.0 Threshold 4.3177 MeV
Cross Section (milli-barns)
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
3.0
2.0
1.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
38-Sr-88

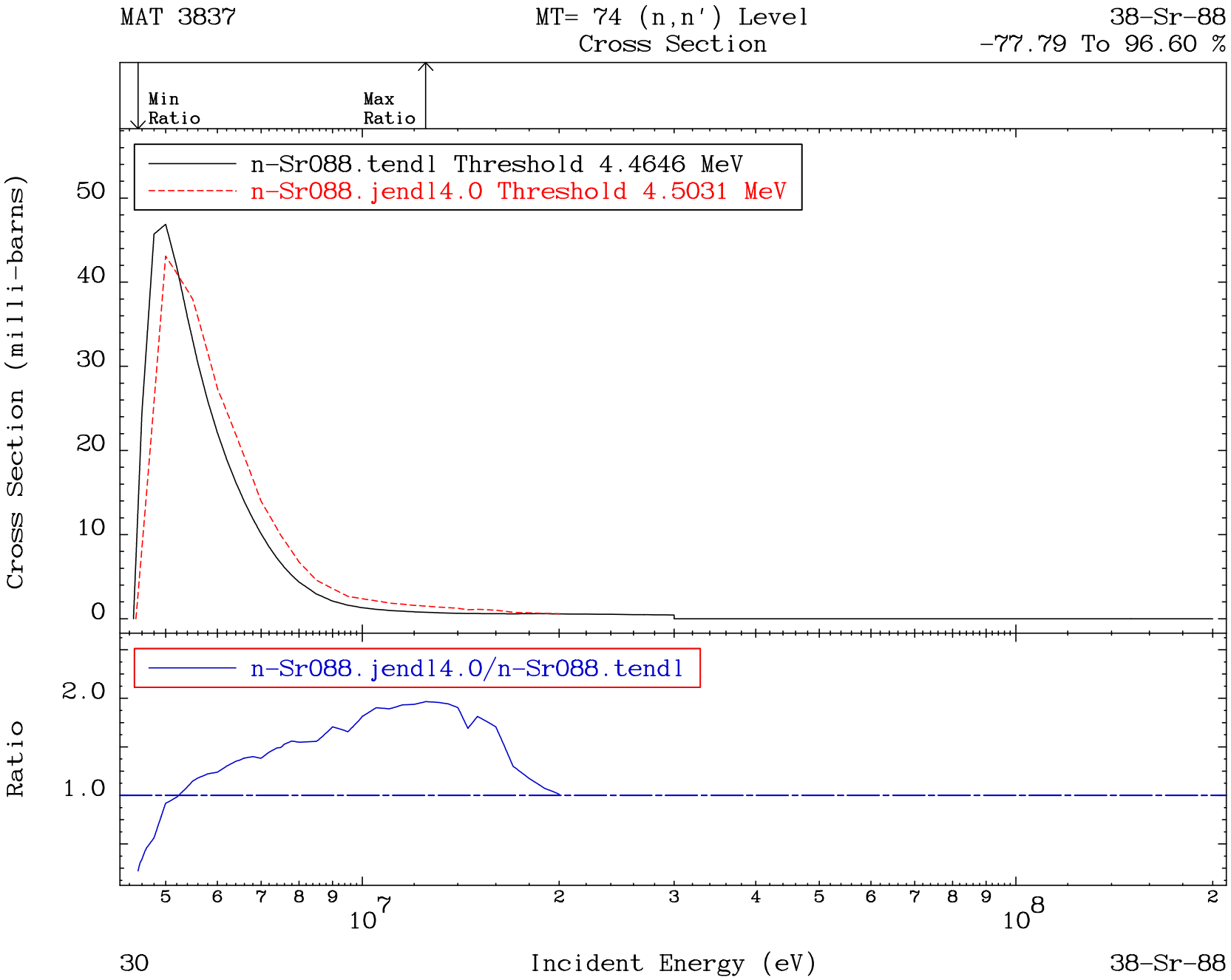

MAT 3837
MT= 69 (n,n') Level
Cross Section
38-Sr-88
-60.52 To 94.46 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2967 MeV
n-Sr088.jendl4.0 Threshold 4.3490 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
2.0
1.5
1.0
0.5
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
38-Sr-88

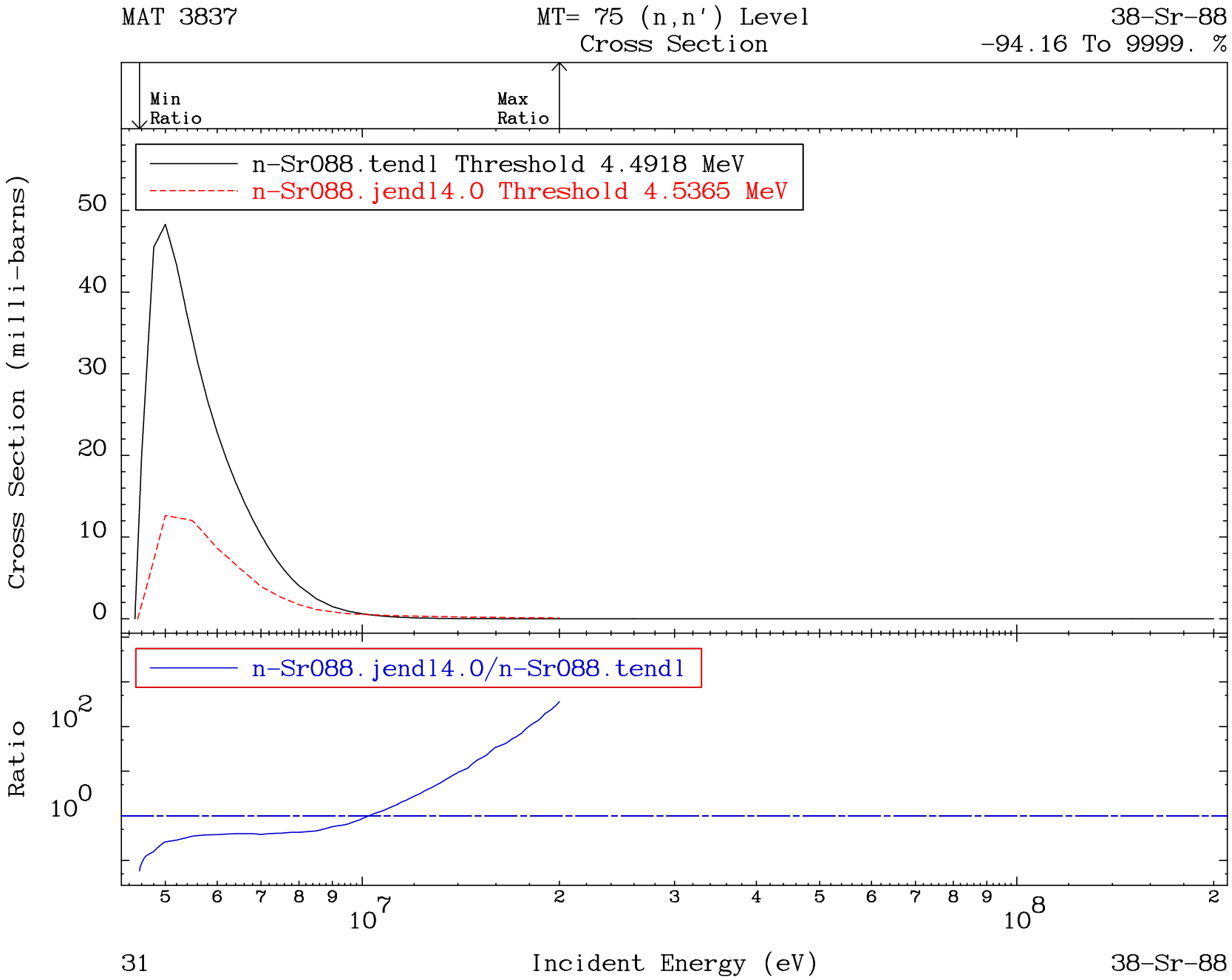

MAT 3837
MT= 70 (n,n') Level
Cross Section
38-Sr-88
-91.77 To 8.614 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.3177 MeV
n-Sr088.jendl4.0 Threshold 4.4050 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^0
10^-1
2
6
4
2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
38-Sr-88

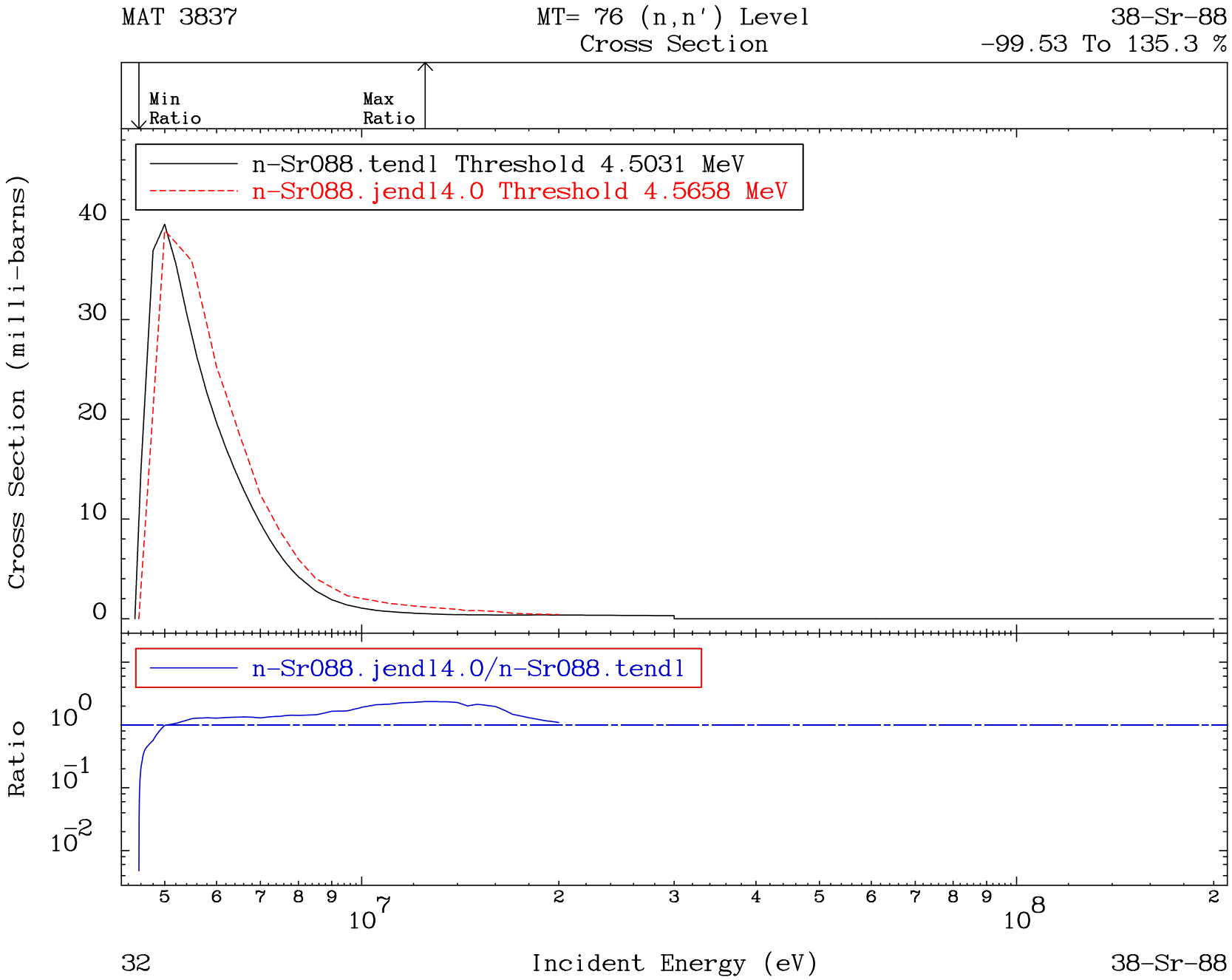

MAT 3837
MT= 71 (n,n') Level
Cross Section
38-Sr-88
-99.47 To -85.69%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.3490 MeV
n-Sr088.jendl4.0 Threshold 4.4184 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
4
$10^{-1}$
4
$10^{-2}$
5 6 7 8 9 $10^{7}$ 2 3 4 5 6 7 8 9 $10^{8}$ 2
27
Incident Energy (eV)
38-Sr-88

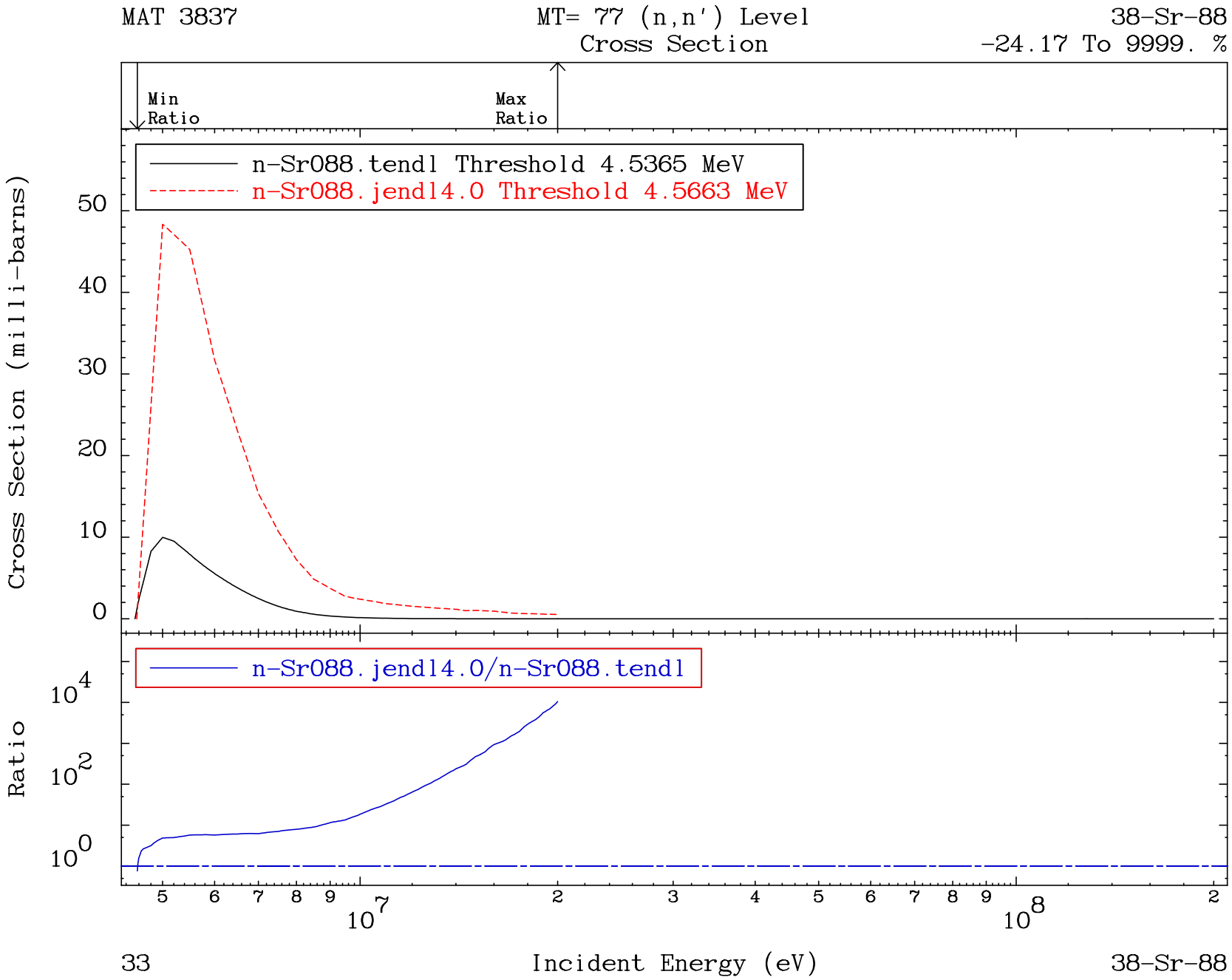

MAT 3837
MT= 72 (n,n') Level
Cross Section
38-Sr-88
-65.81 To 126.3 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.4050 MeV
n-Sr088.jendl4.0 Threshold 4.4646 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
2.0
1.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-88

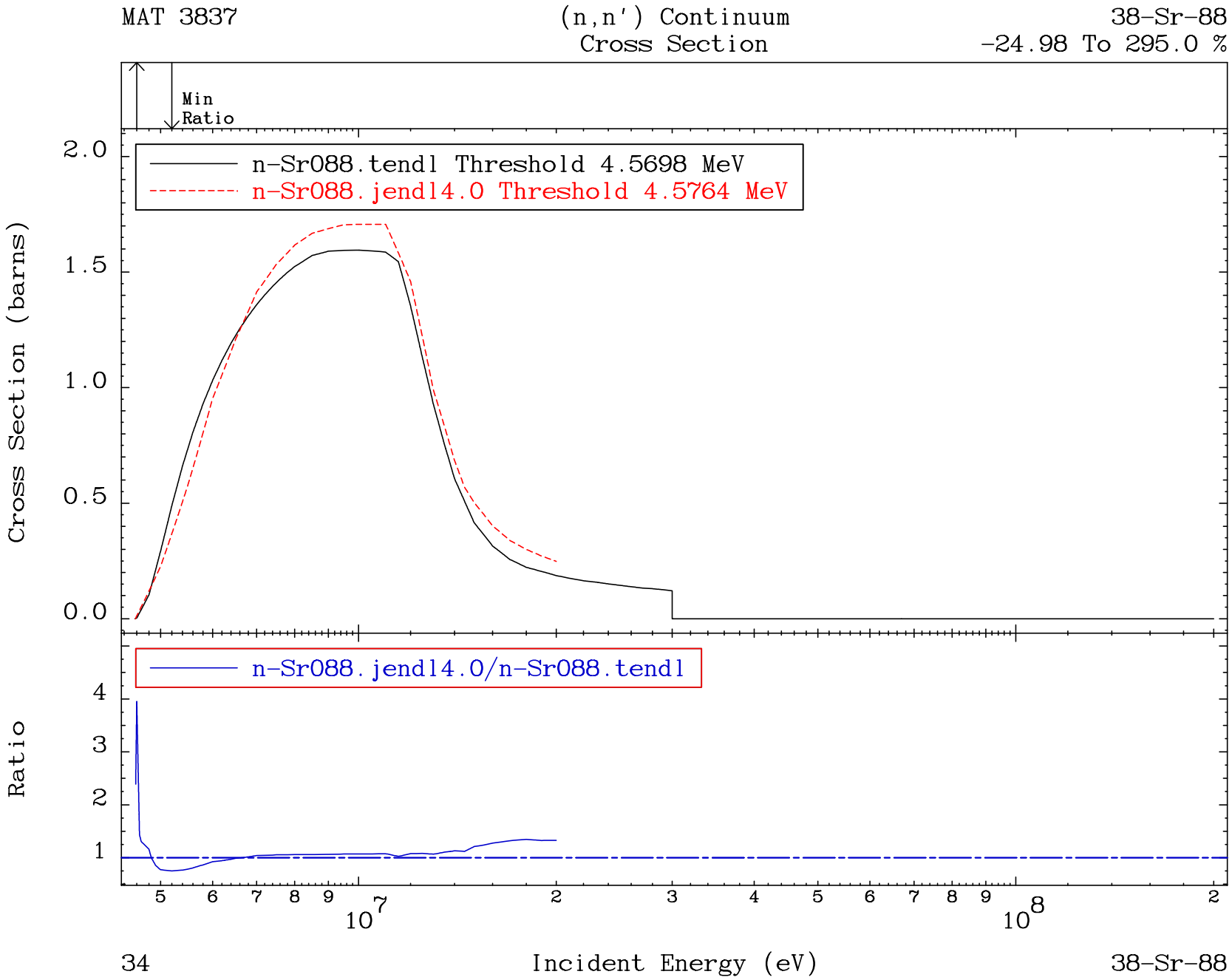

MAT 3837
MT= 73 (n,n') Level
Cross Section
38-Sr-88
170.8 To 1928. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.4180 MeV
n-Sr088.jendl4.0 Threshold 4.4917 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
20
10
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
38-Sr-88

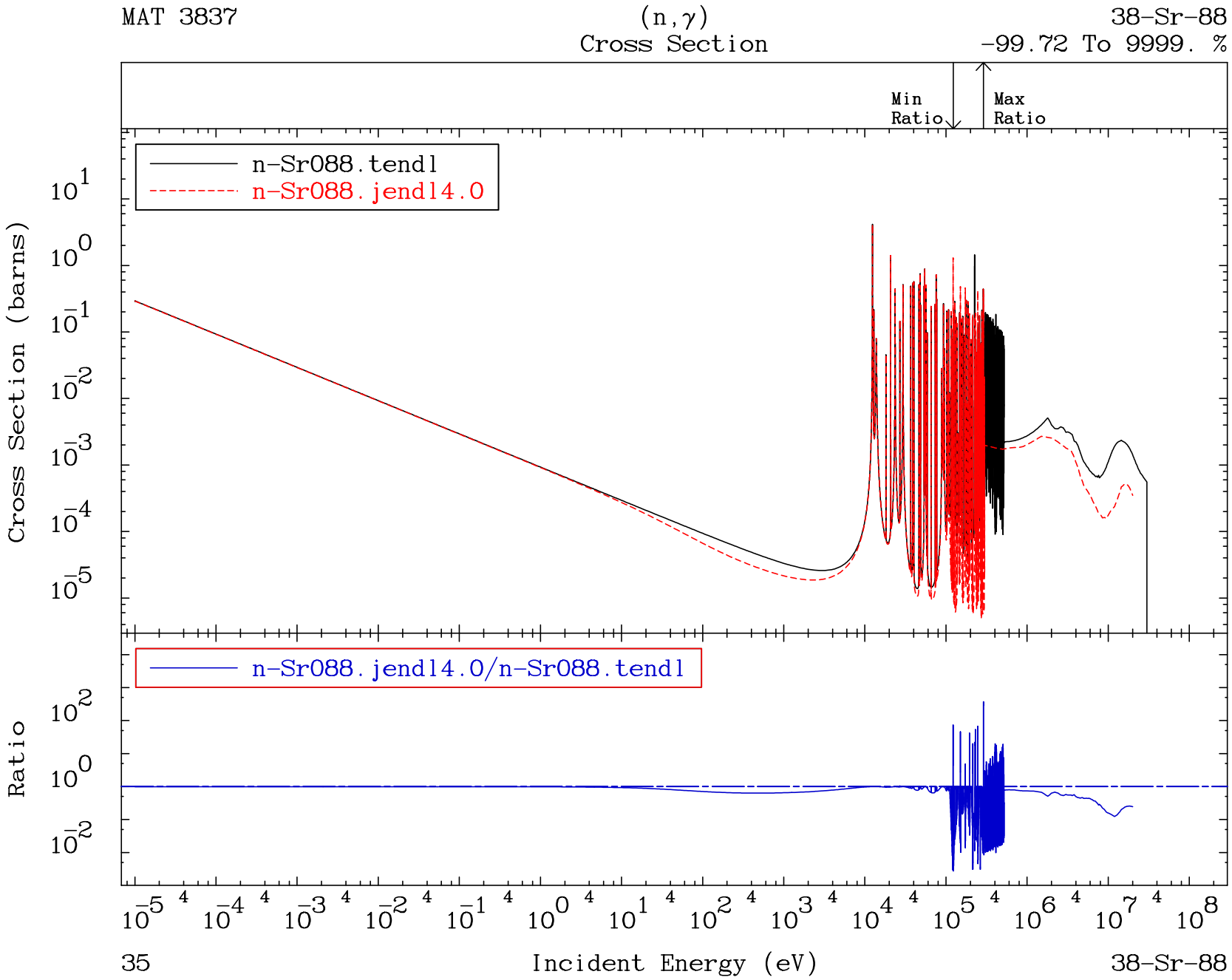

MAT 3837
MT= 74 (n,n') Level
Cross Section
38-Sr-88
-77.79 To 96.60 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.4646 MeV
n-Sr088.jendl4.0 Threshold 4.5031 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
2.0
1.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
38-Sr-88

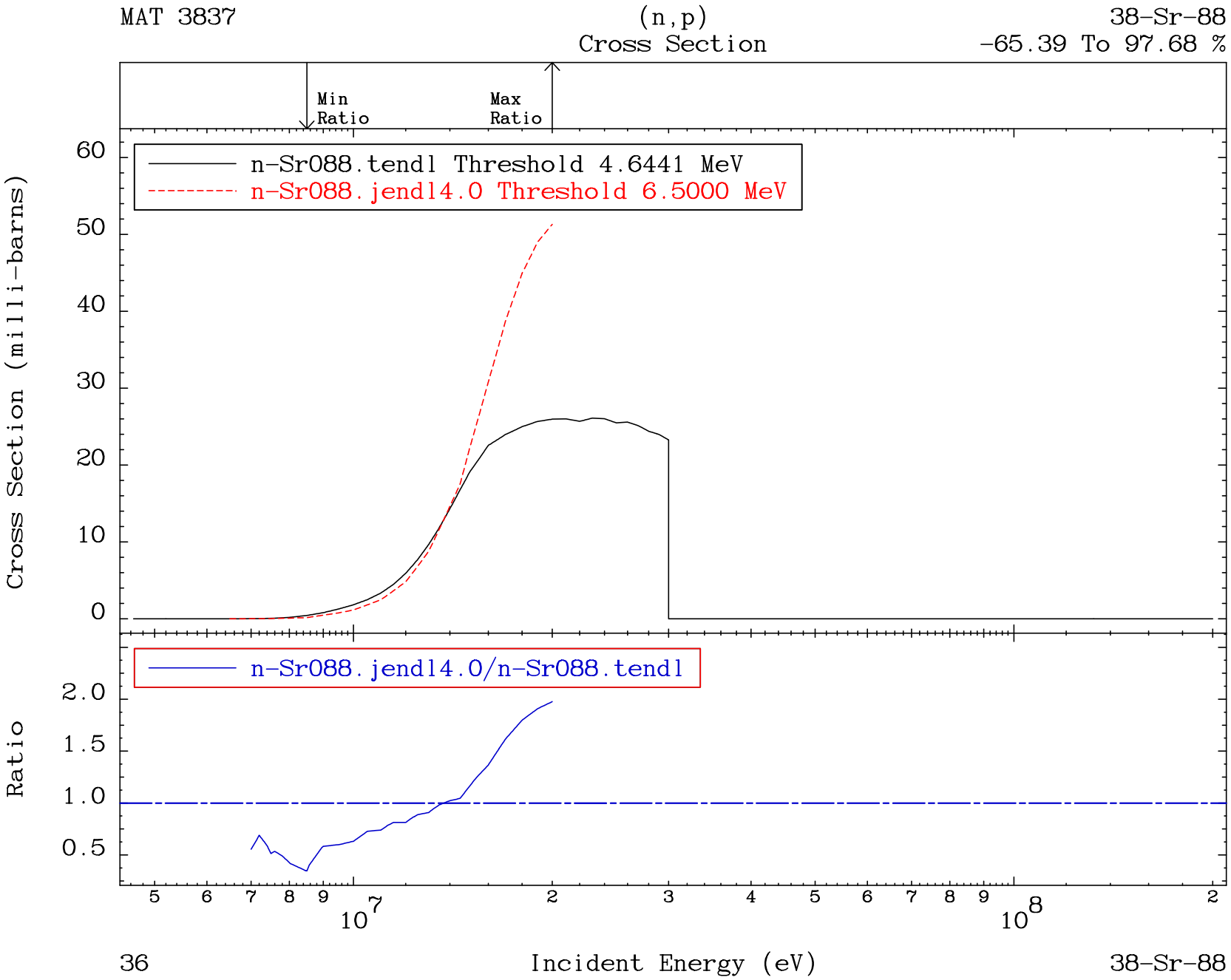

MAT 3837
MT= 75 (n,n') Level
Cross Section
38-Sr-88
-94.16 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.4918 MeV
n-Sr088.jendl4.0 Threshold 4.5365 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
38-Sr-88

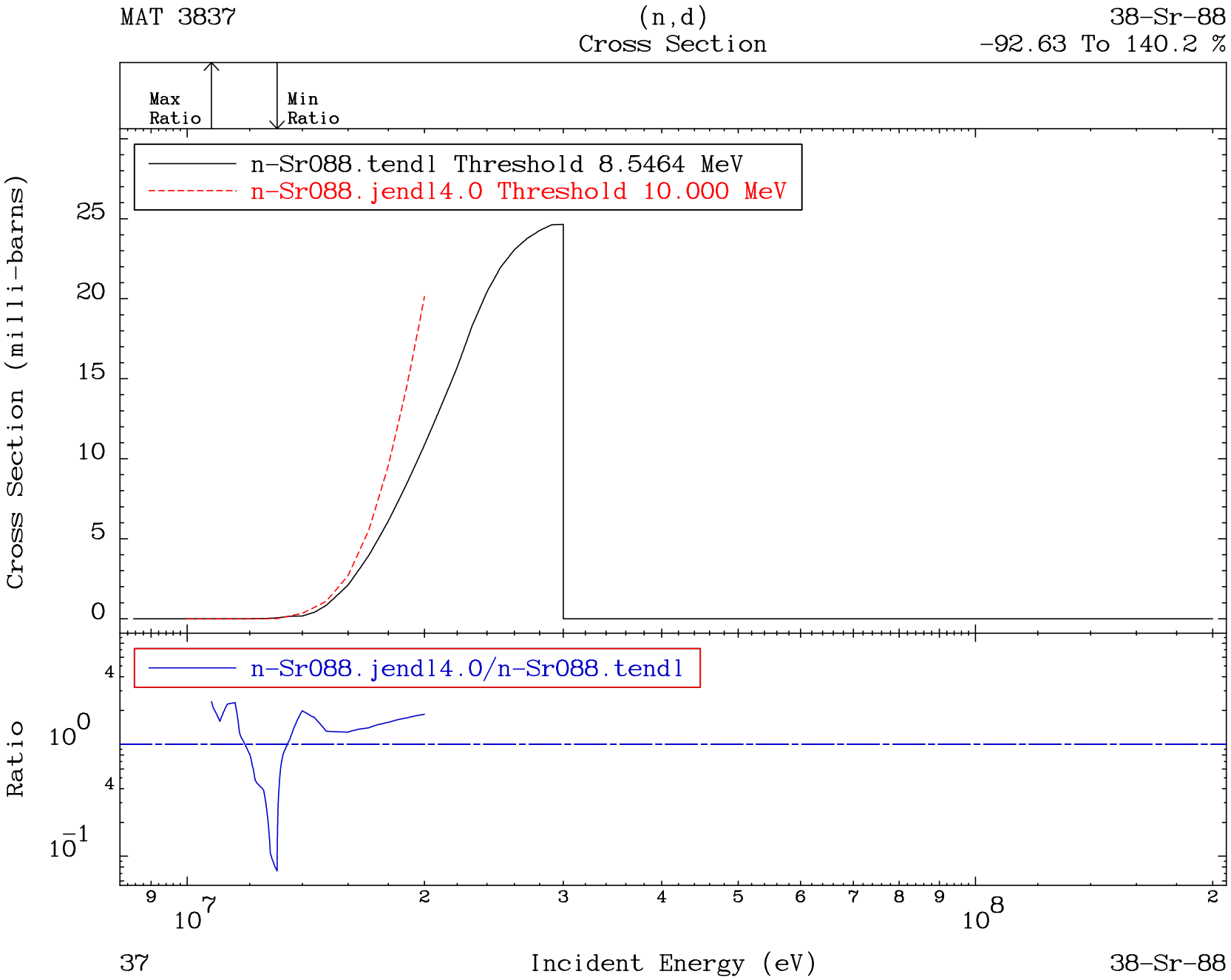

MAT 3837
MT= 76 (n,n') Level
Cross Section
38-Sr-88
-99.53 To 135.3 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.5031 MeV
n-Sr088.jendl4.0 Threshold 4.5658 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^0
10^-1
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
38-Sr-88

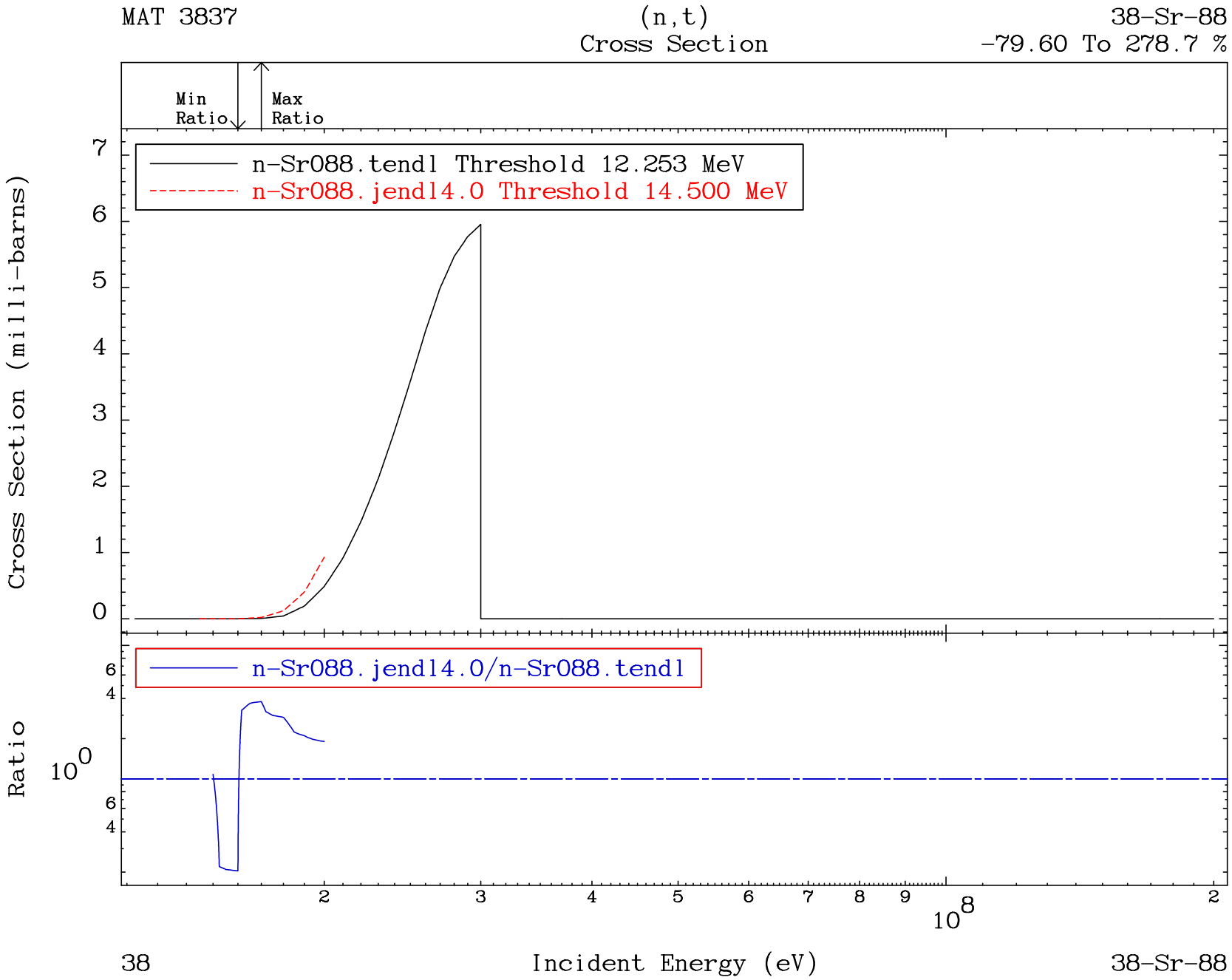

MAT 3837
MT= 77 (n,n') Level
Cross Section
38-Sr-88
-24.17 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.5365 MeV
n-Sr088.jendl4.0 Threshold 4.5663 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
38-Sr-88

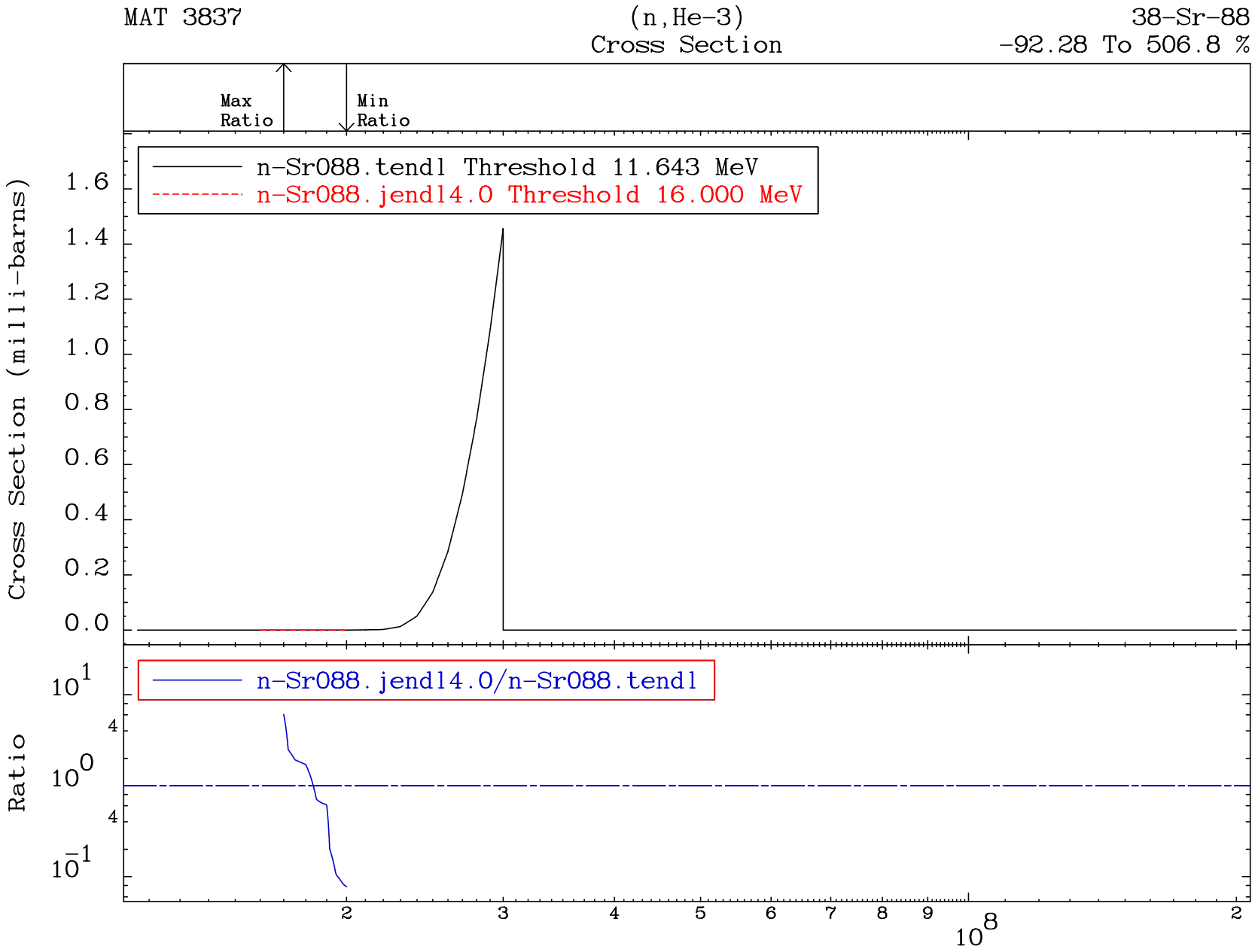

MAT 3837
(n,n') Continuum
Cross Section
38-Sr-88
-24.98 To 295.0 %
Min
Ratio
n-Sr088.tendl Threshold 4.5698 MeV
n-Sr088.jendl4.0 Threshold 4.5764 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
4
3
2
1
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
38-Sr-88

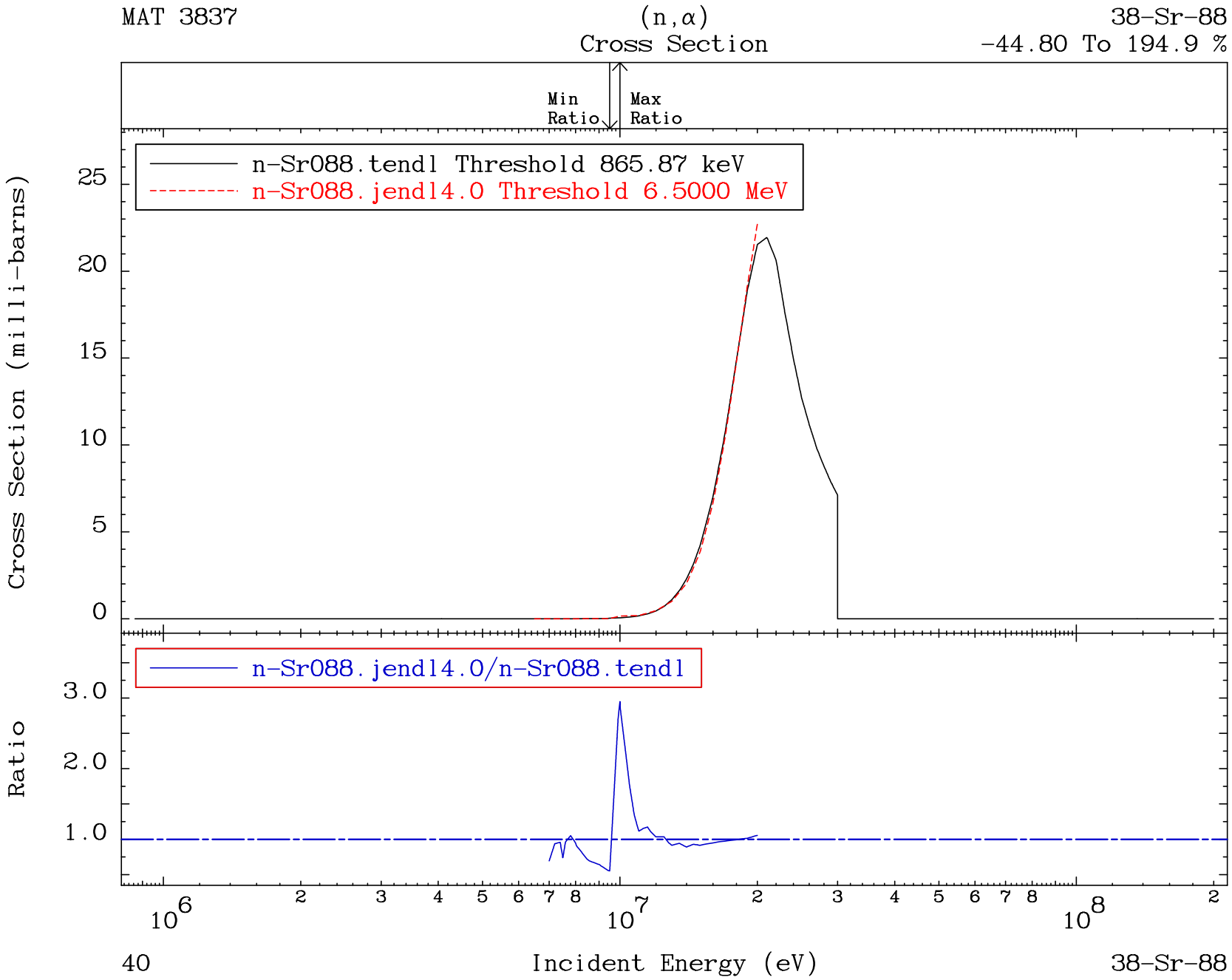

MAT 3837
(n,γ)
Cross Section
38-Sr-88
-99.72 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
35
38-Sr-88

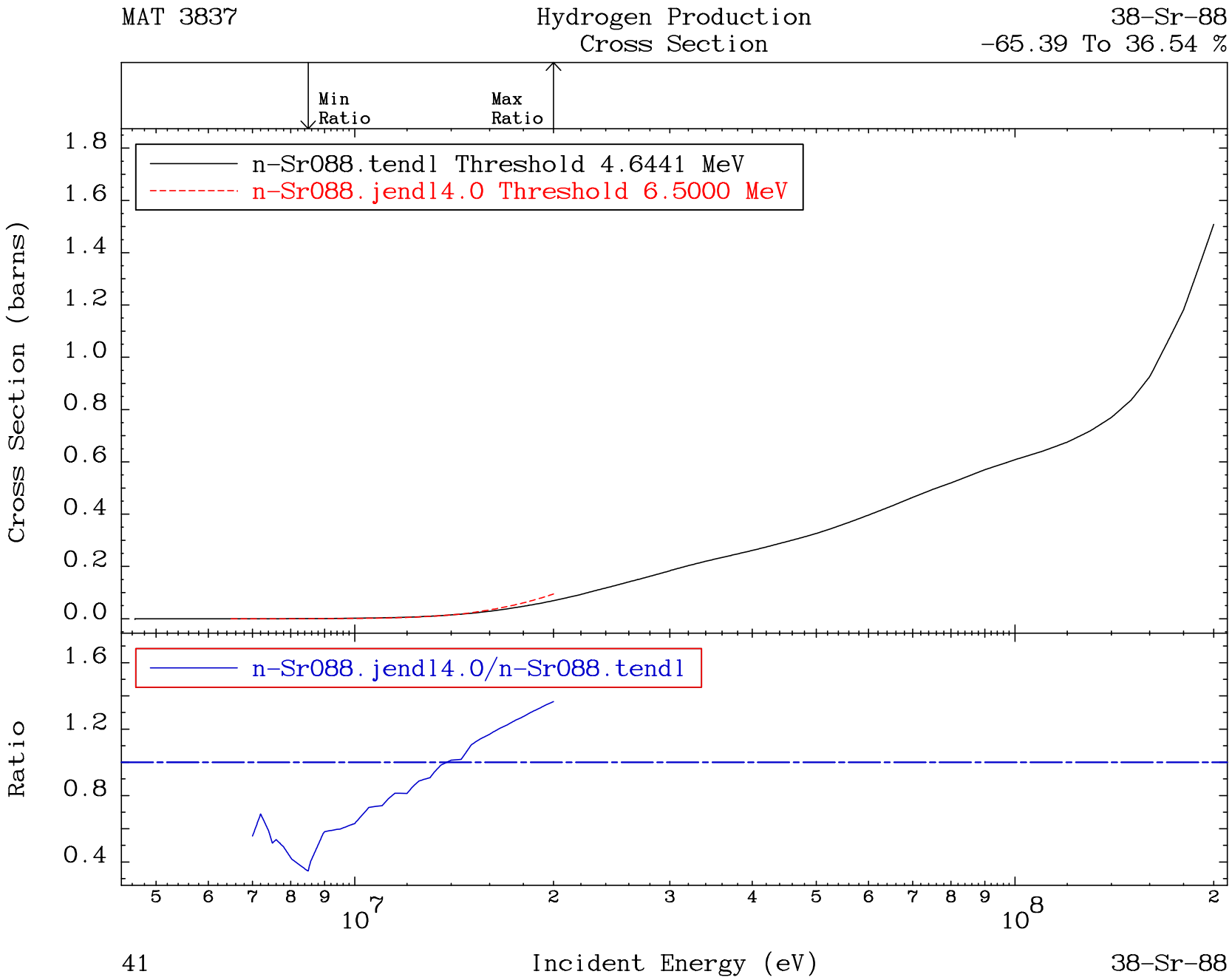

MAT 3837
(n,p)
Cross Section
38-Sr-88
-65.39 To 97.68 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.6441 MeV
n-Sr088.jendl4.0 Threshold 6.5000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
2.0
1.5
1.0
0.5
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
38-Sr-88

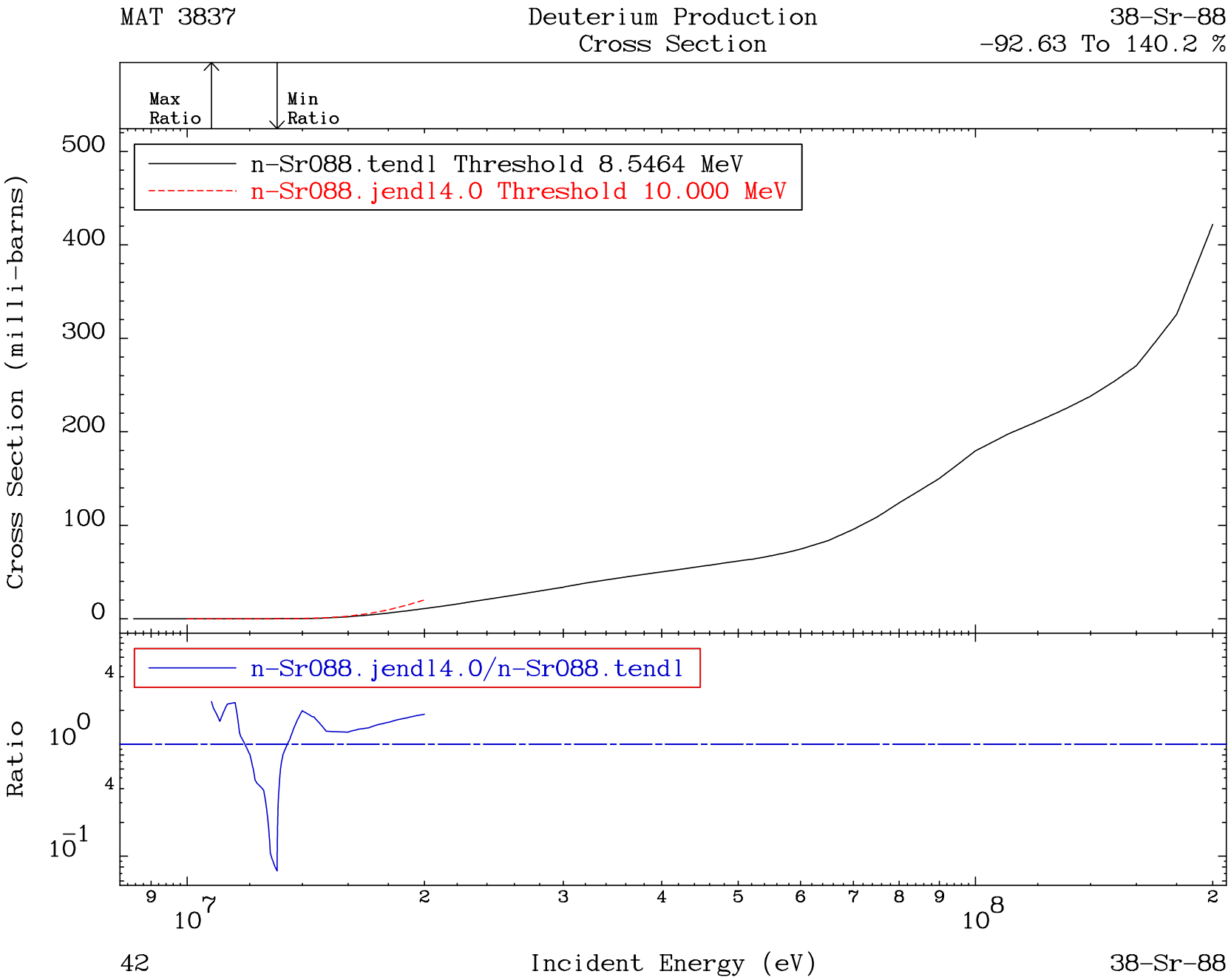

MAT 3837
(n,d)
Cross Section
38-Sr-88
-92.63 To 140.2 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 8.5464 MeV
n-Sr088.jendl4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
4
$10^0$
4
$10^{-1}$
9
$10^7$
2
3
4
5
6
7
8
9
$10^8$
2
37
Incident Energy (eV)
38-Sr-88

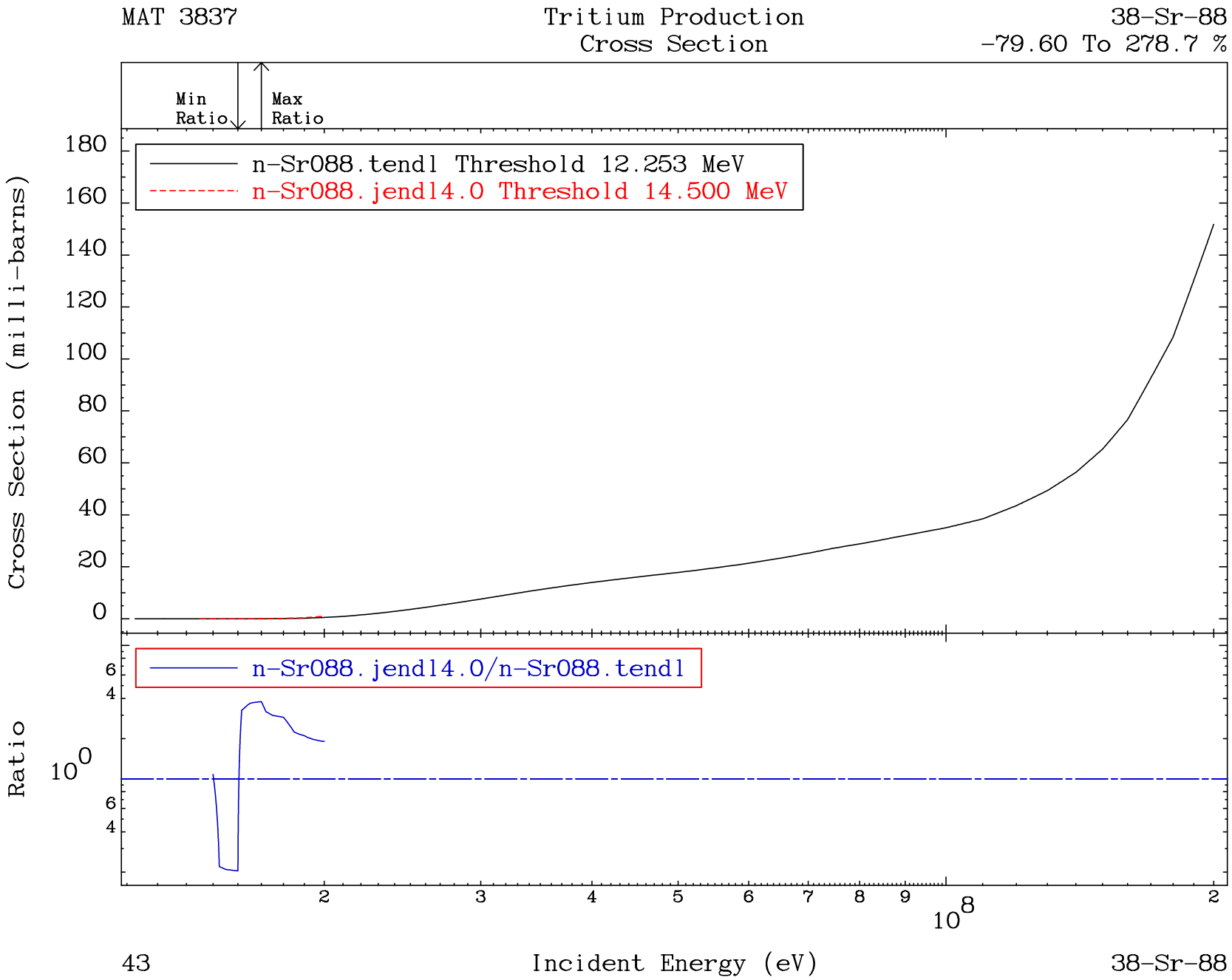

MAT 3837
(n,t)
Cross Section
38-Sr-88
-79.60 To 278.7 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 12.253 MeV
n-Sr088.jendl4.0 Threshold 14.500 MeV
Cross Section (milli-barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
38
38-Sr-88

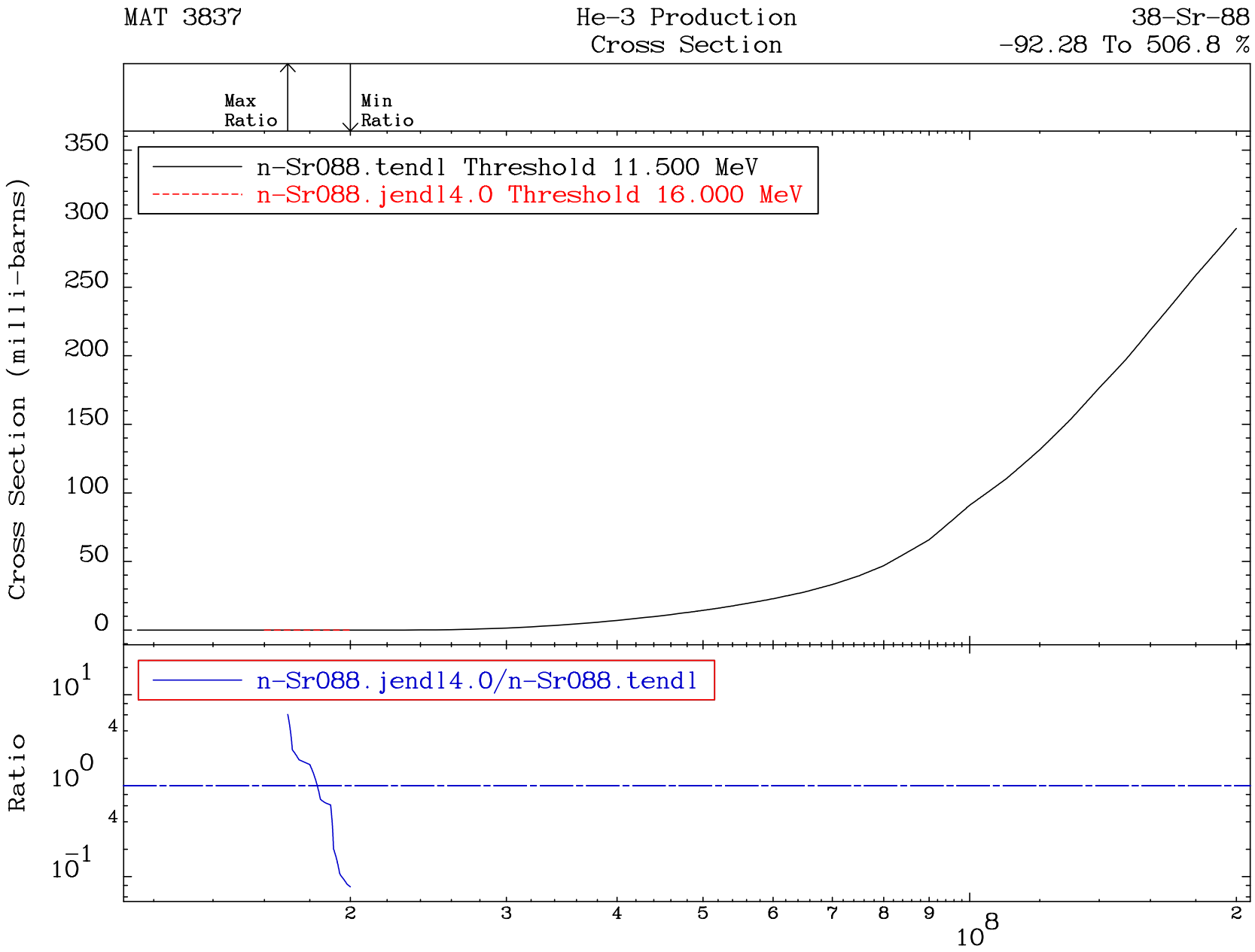

MAT 3837
(n,He-3)
Cross Section
38-Sr-88
-92.28 To 506.8 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 11.643 MeV
n-Sr088.jendl4.0 Threshold 16.000 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
38-Sr-88

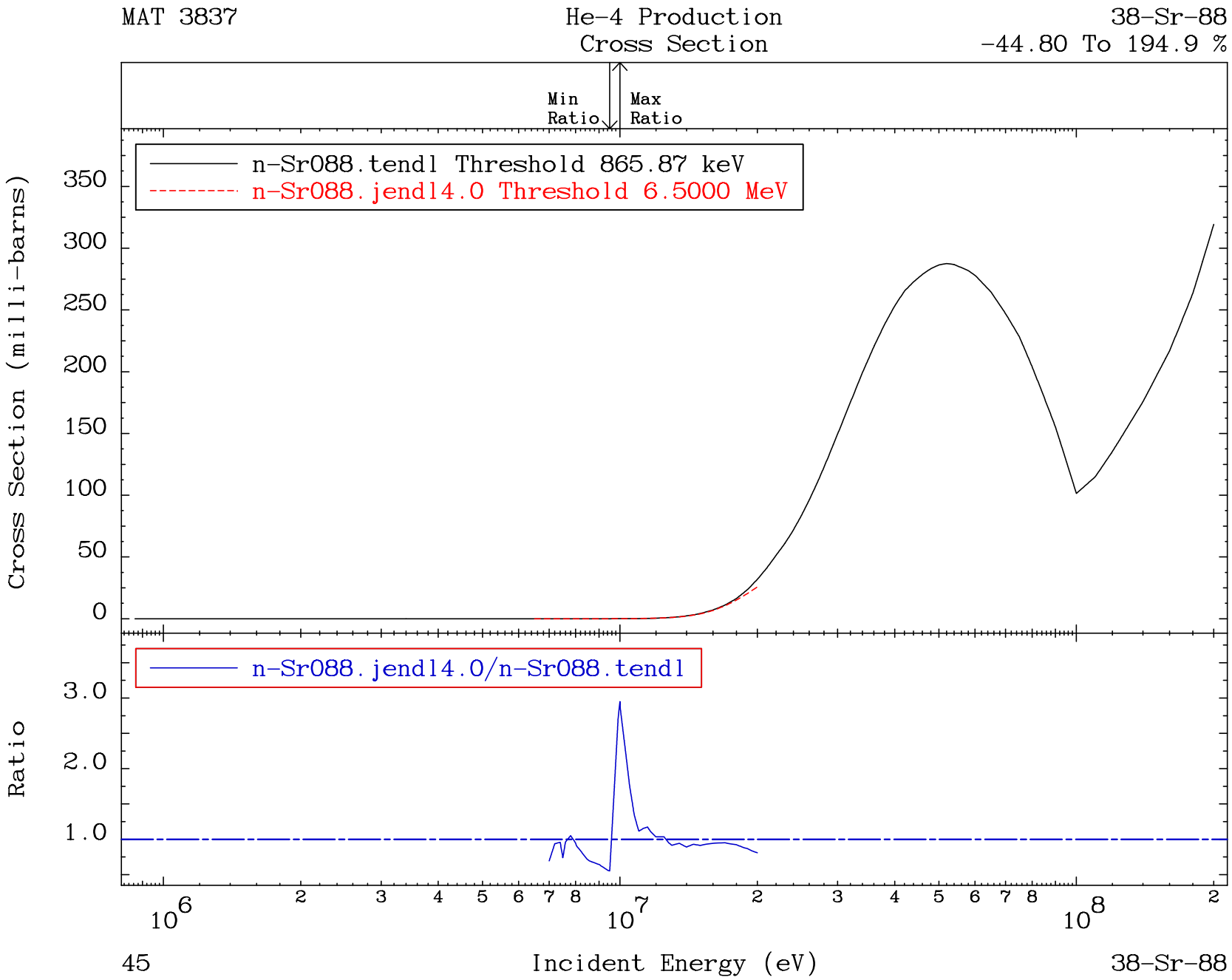

MAT 3837
(n,α)
Cross Section
38-Sr-88
-44.80 To 194.9 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 865.87 keV
n-Sr088.jendl4.0 Threshold 6.5000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
3.0
2.0
1.0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
38-Sr-88

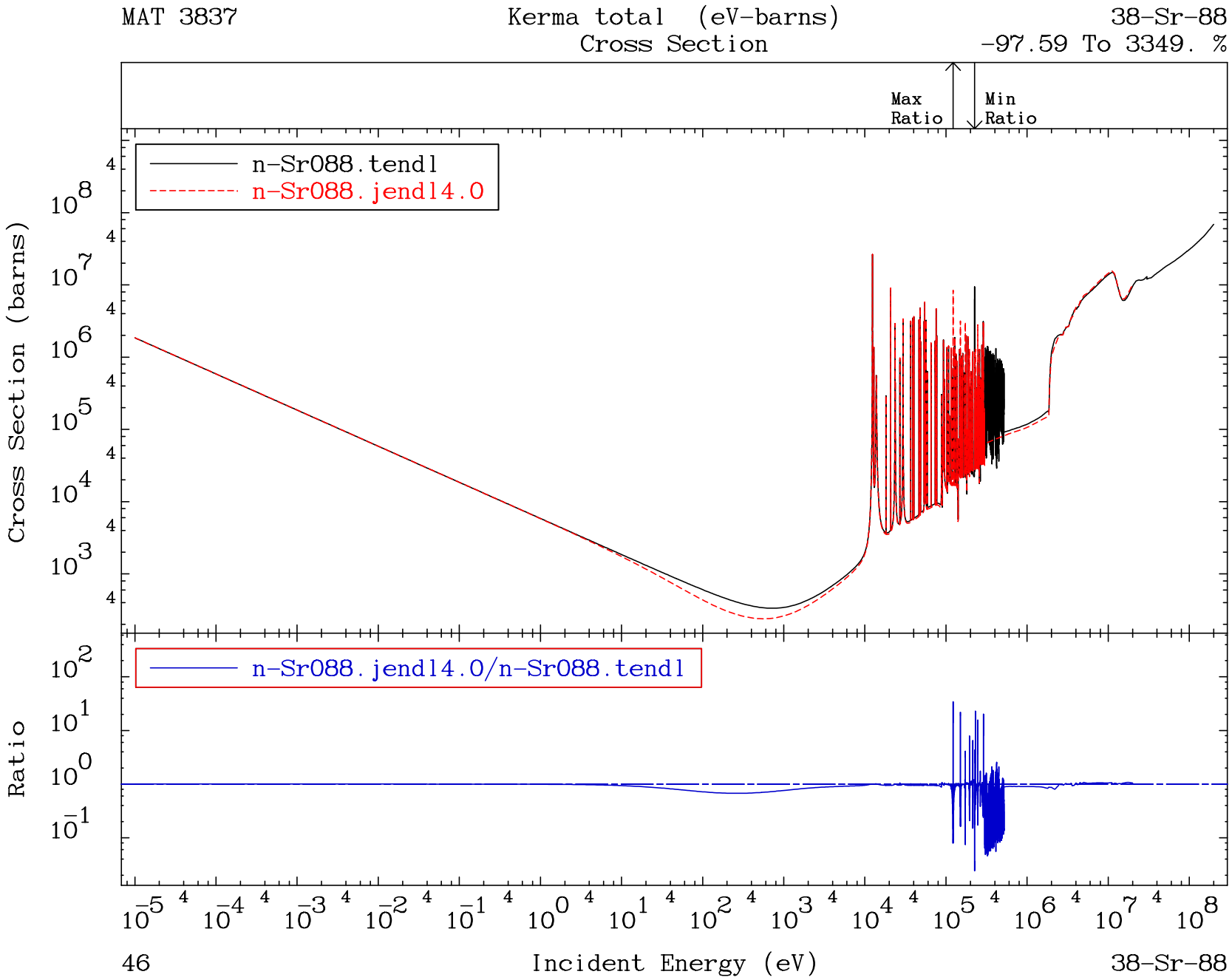

MAT 3837
Hydrogen Production
Cross Section
38-Sr-88
-65.39 To 36.54 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.6441 MeV
n-Sr088.jendl4.0 Threshold 6.5000 MeV
Cross Section (barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.6
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
38-Sr-88

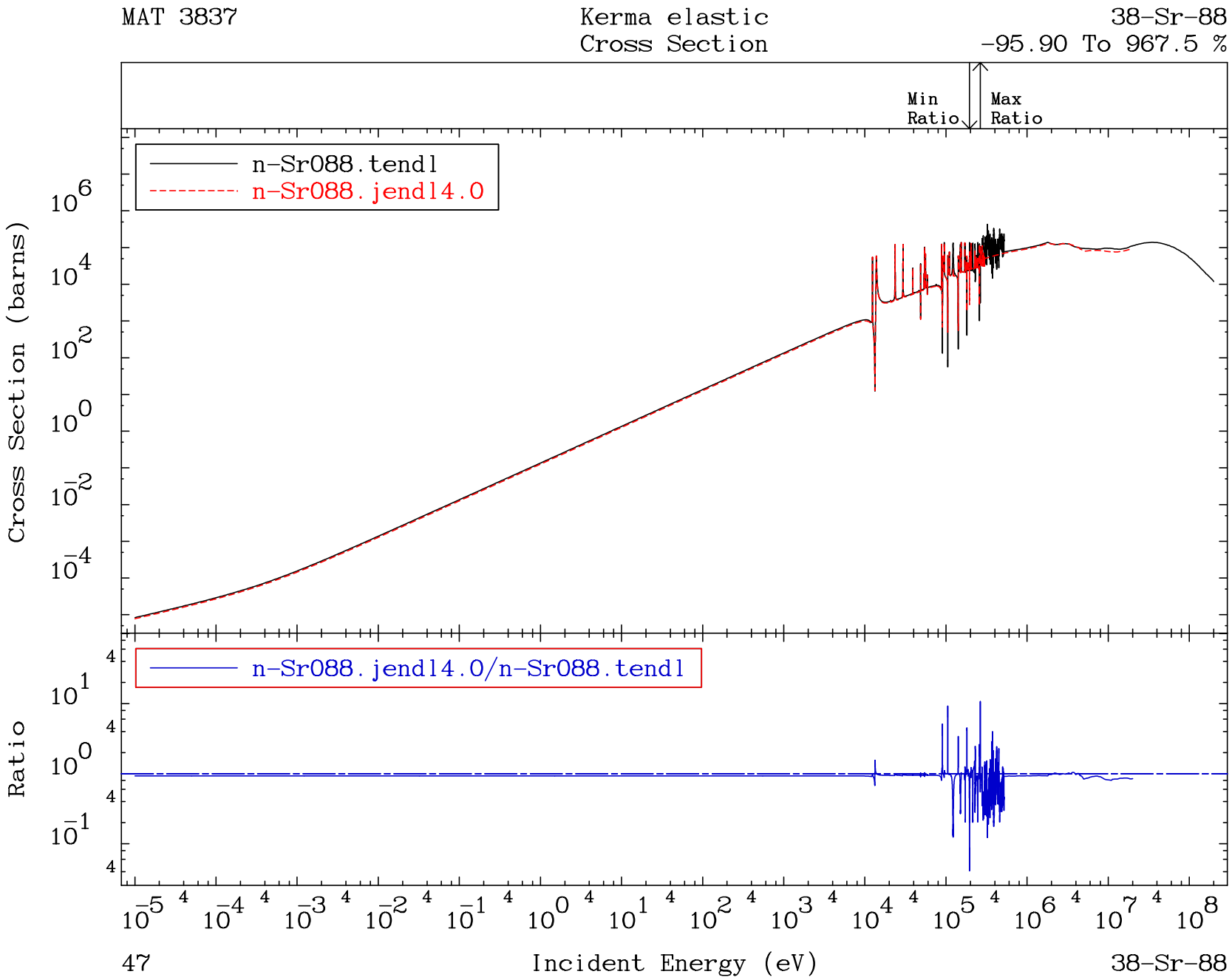

MAT 3837
Deuterium Production
Cross Section
38-Sr-88
-92.63 To 140.2 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 8.5464 MeV
n-Sr088.jendl4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
4
$10^{0}$
4
$10^{-1}$
9
$10^{7}$
2
3
4
5
6
7
8
9
$10^{8}$
2
42
Incident Energy (eV)
38-Sr-88

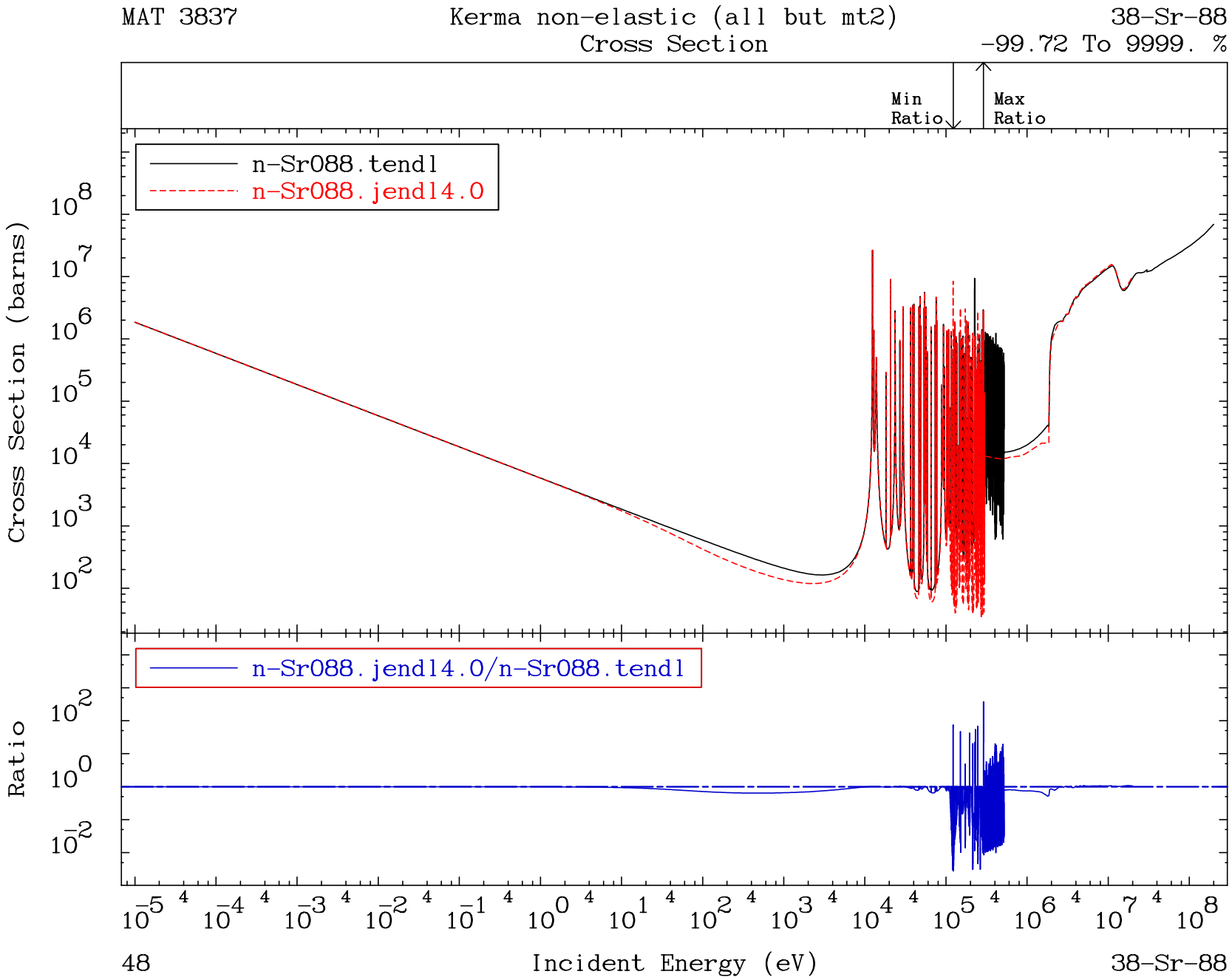

MAT 3837
Tritium Production
Cross Section
38-Sr-88
-79.60 To 278.7 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 12.253 MeV
n-Sr088.jendl4.0 Threshold 14.500 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
38-Sr-88

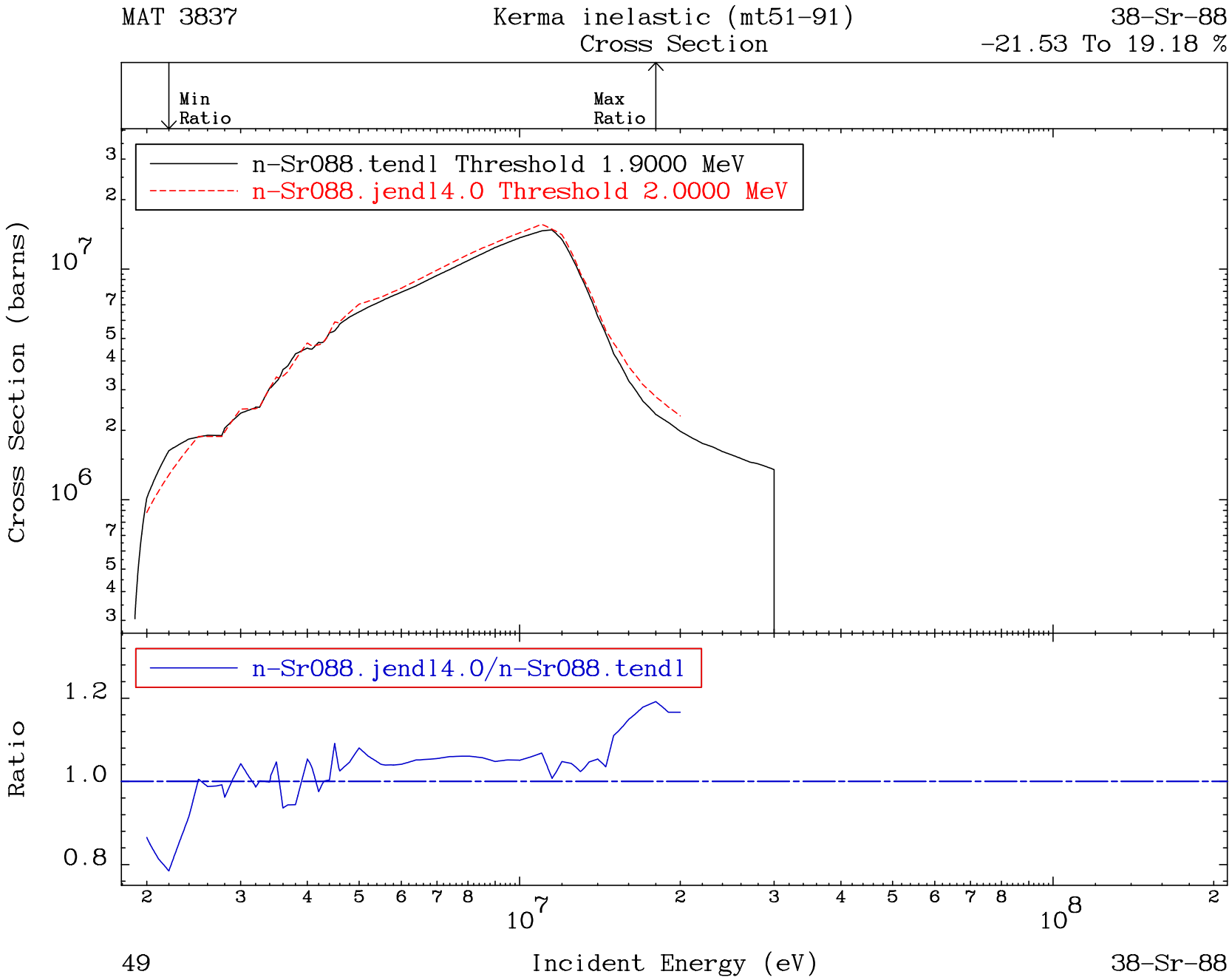

MAT 3837
He-3 Production
Cross Section
38-Sr-88
-92.28 To 506.8 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 11.500 MeV
n-Sr088.jendl4.0 Threshold 16.000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
38-Sr-88

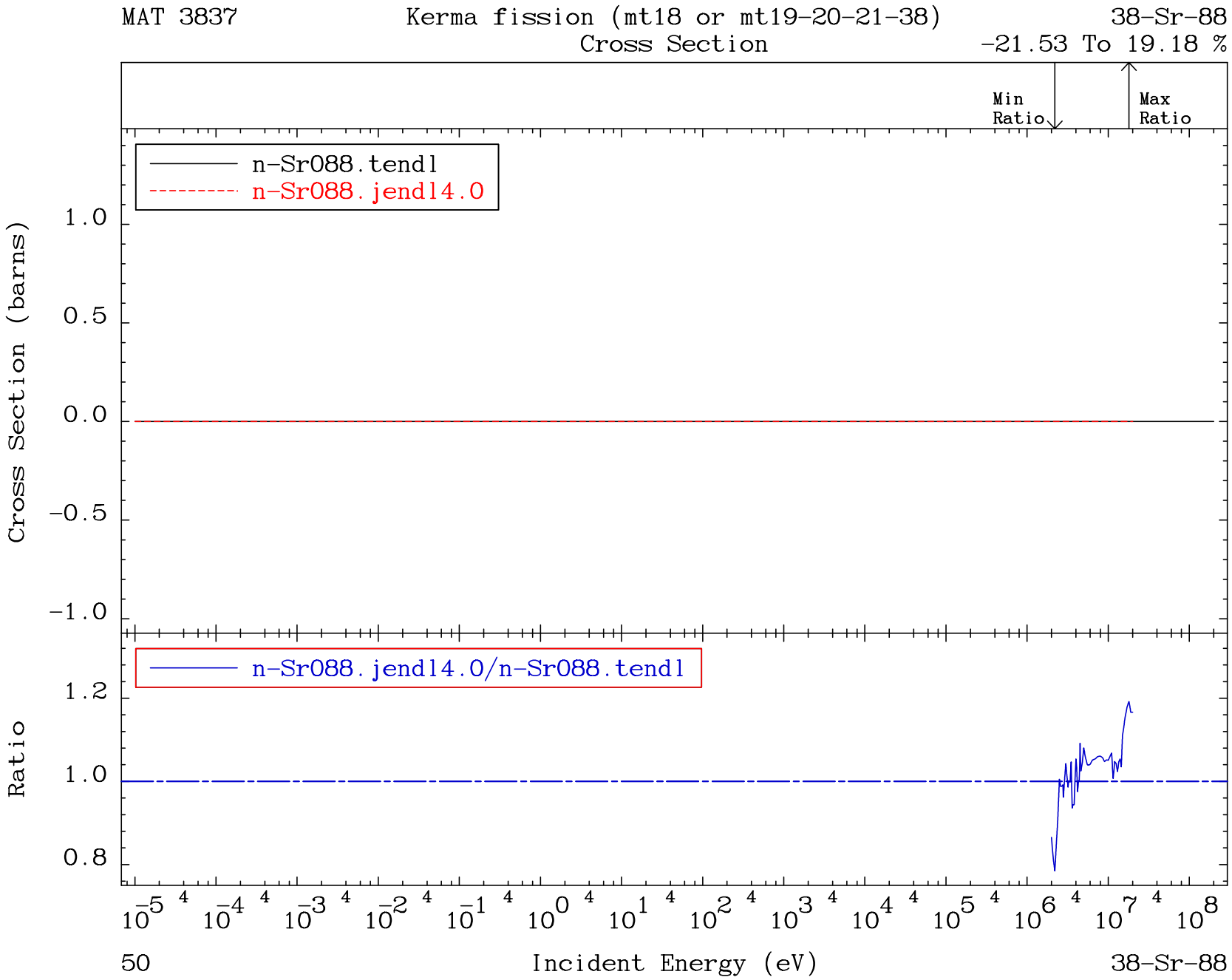

MAT 3837
He-4 Production
Cross Section
38-Sr-88
-44.80 To 194.9 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 865.87 keV
n-Sr088.jendl4.0 Threshold 6.5000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
3.0
2.0
1.0
10^6
10^7
10^8
45
Incident Energy (eV)
38-Sr-88

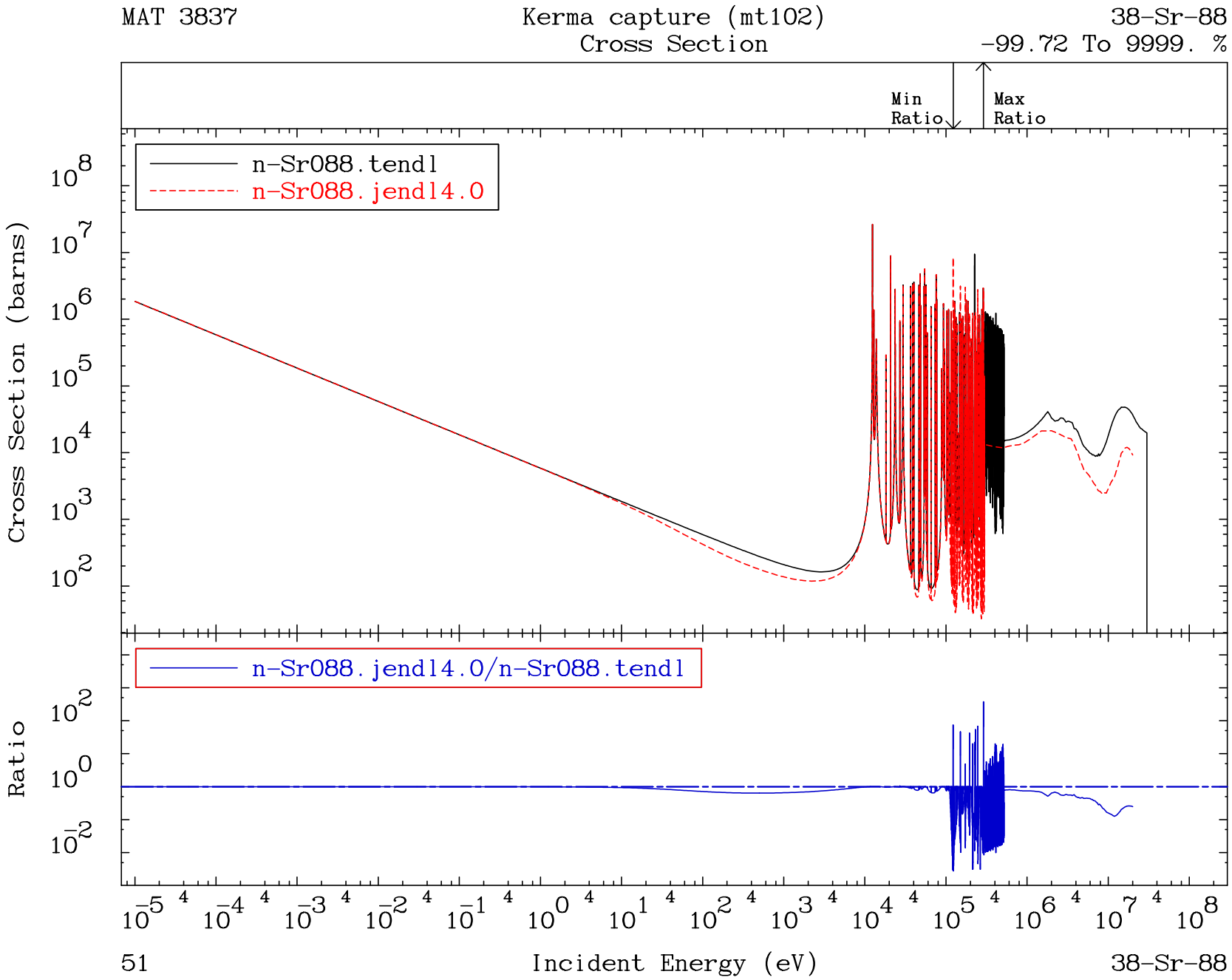

MAT 3837
Kerma total (eV-barns)
Cross Section
38-Sr-88
-97.59 To 3349. %
Max Ratio
Min Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
46
38-Sr-88

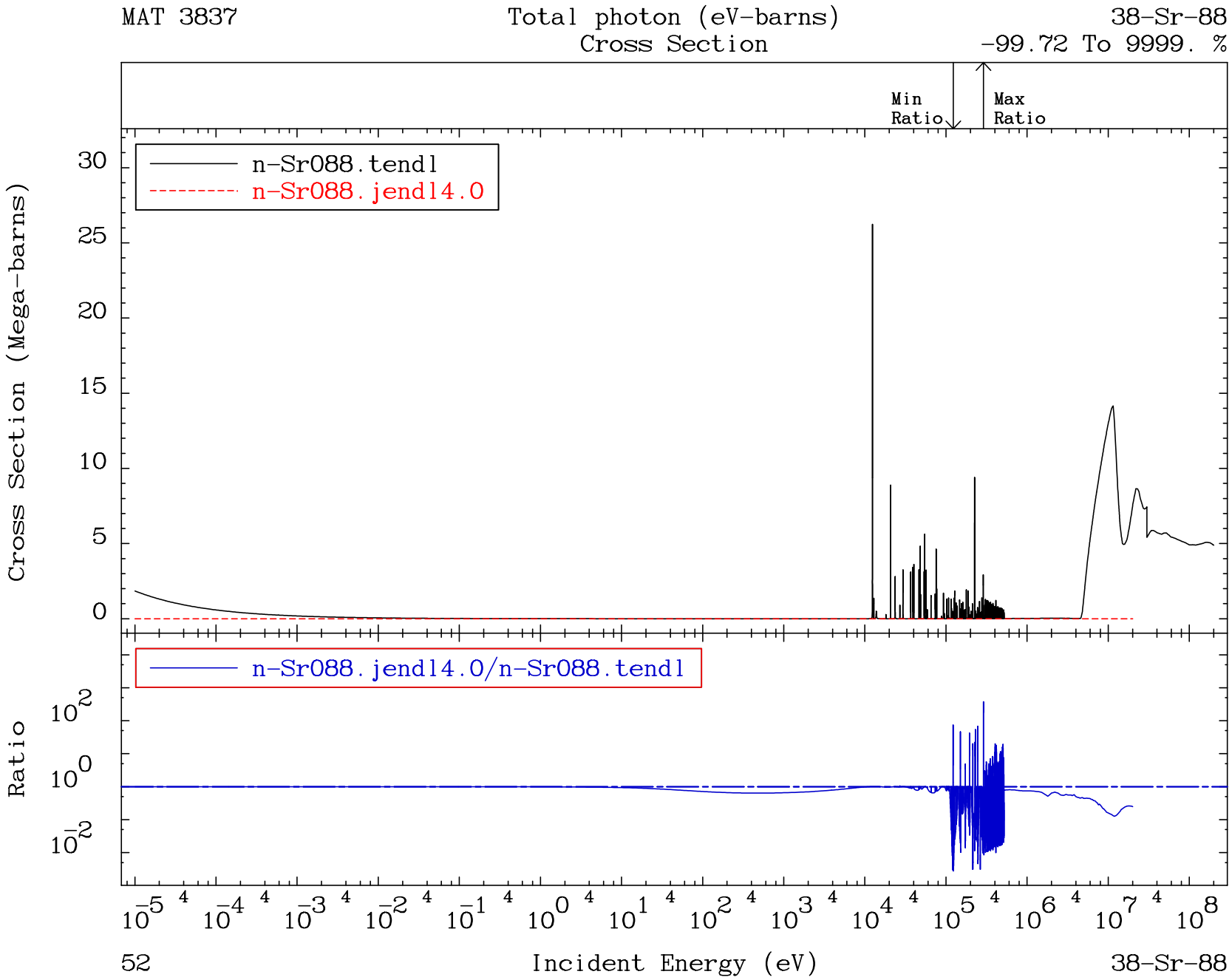

MAT 3837
Kerma elastic
Cross Section
38-Sr-88
-95.90 To 967.5 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
47
38-Sr-88

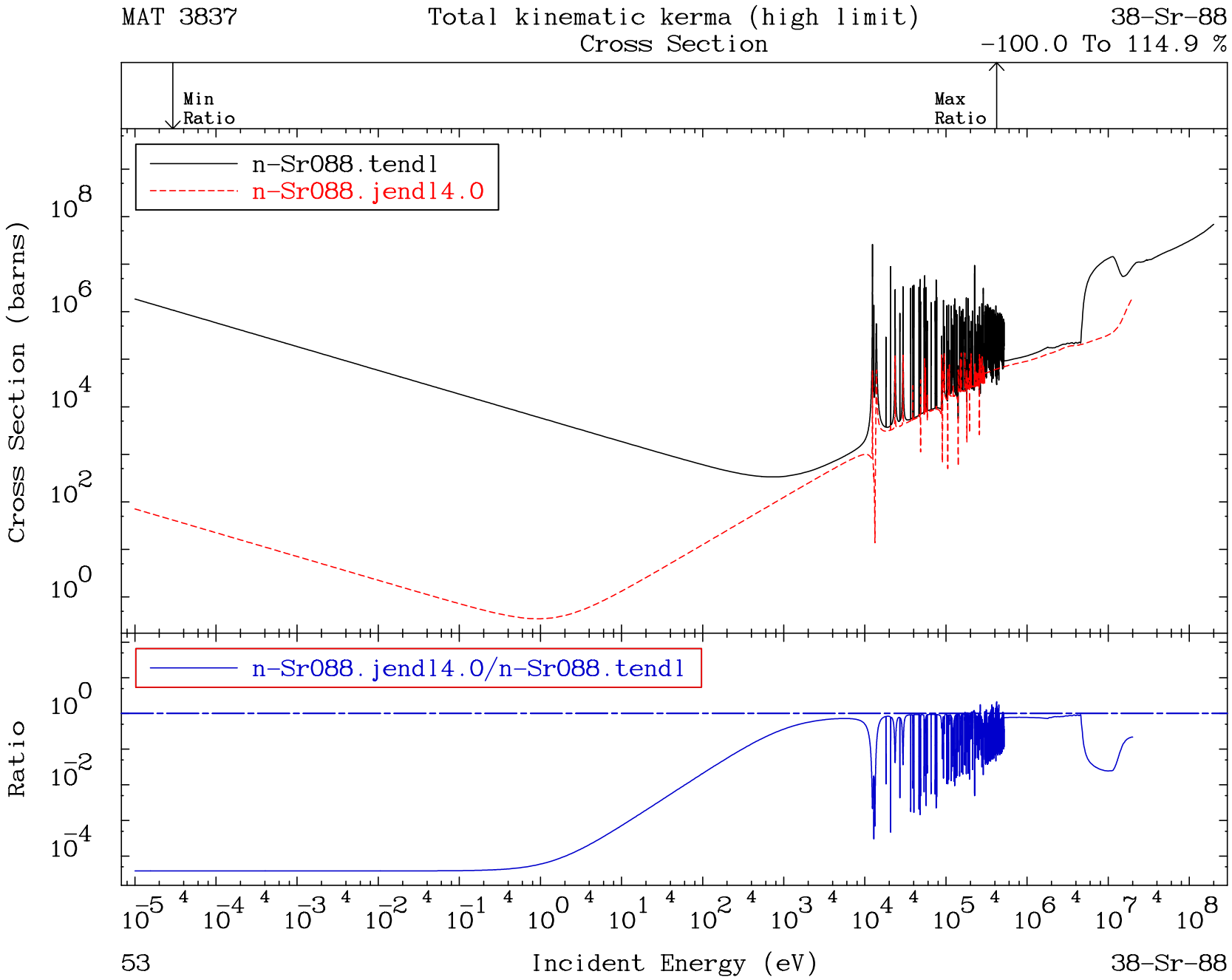

MAT 3837
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-88
-99.72 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
48
Incident Energy (eV)
38-Sr-88

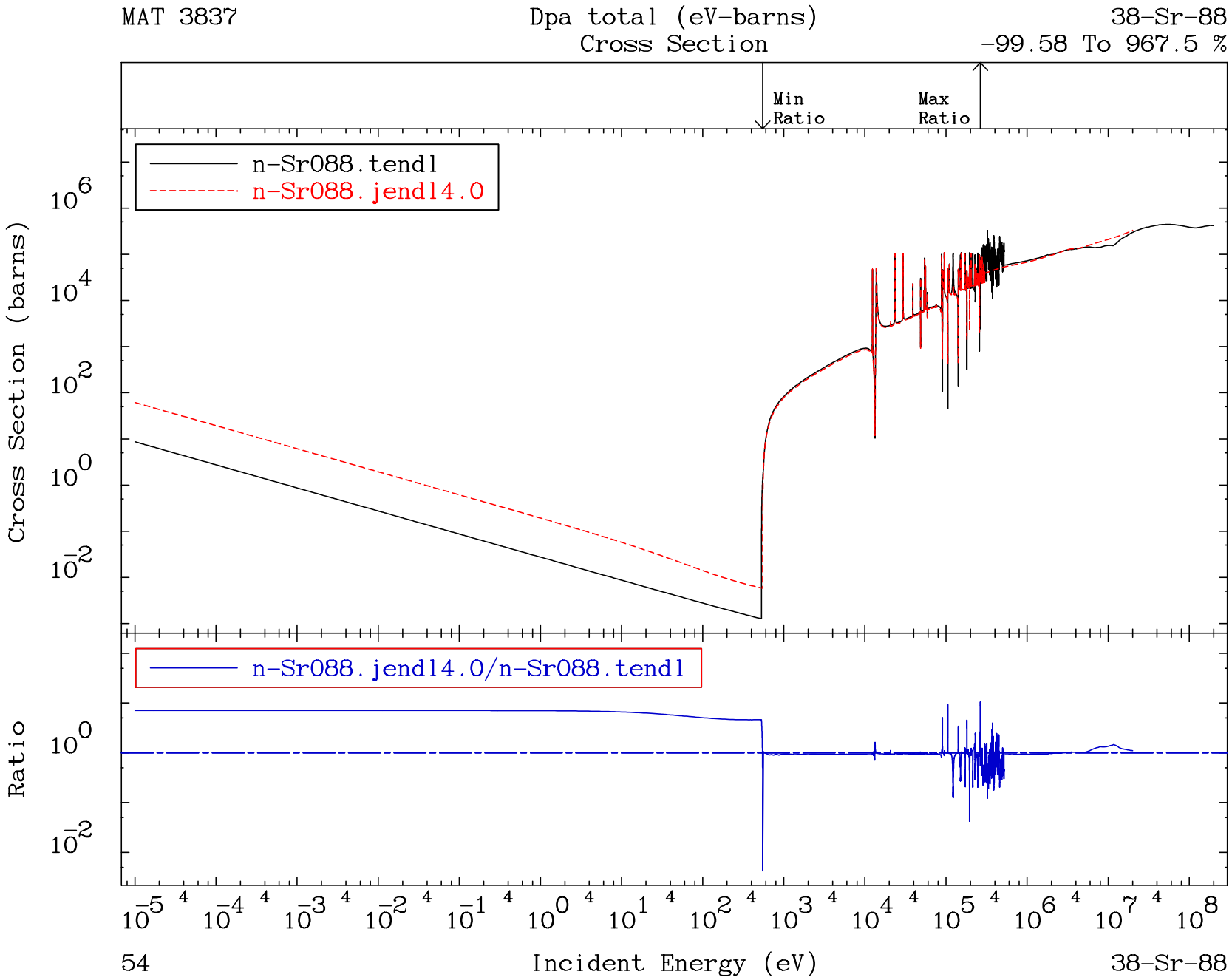

MAT 3837
Kerma inelastic (mt51-91)
Cross Section
38-Sr-88
-21.53 To 19.18 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 1.9000 MeV
n-Sr088.jendl4.0 Threshold 2.0000 MeV
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
49
38-Sr-88

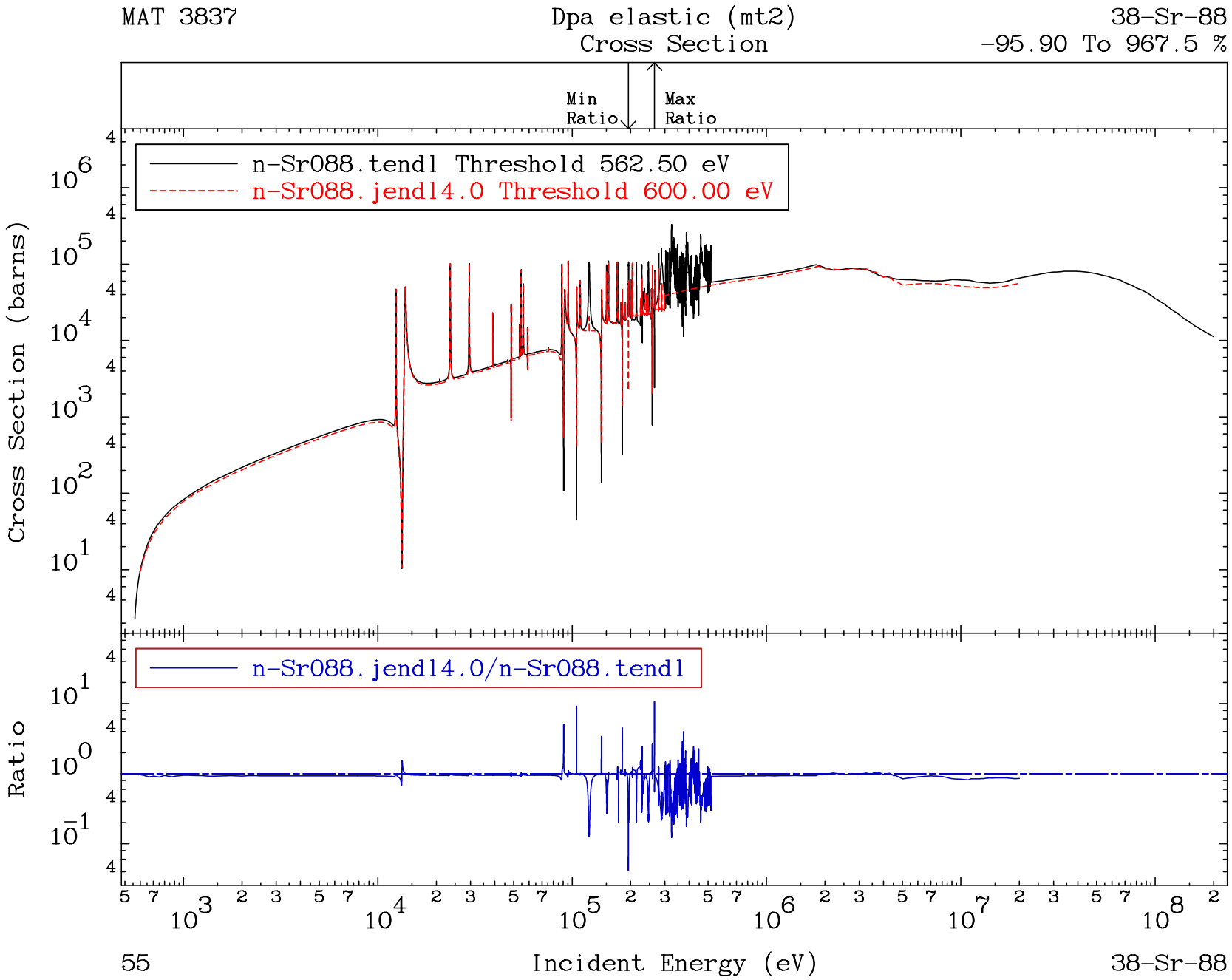

MAT 3837
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-88
-21.53 To 19.18 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
38-Sr-88

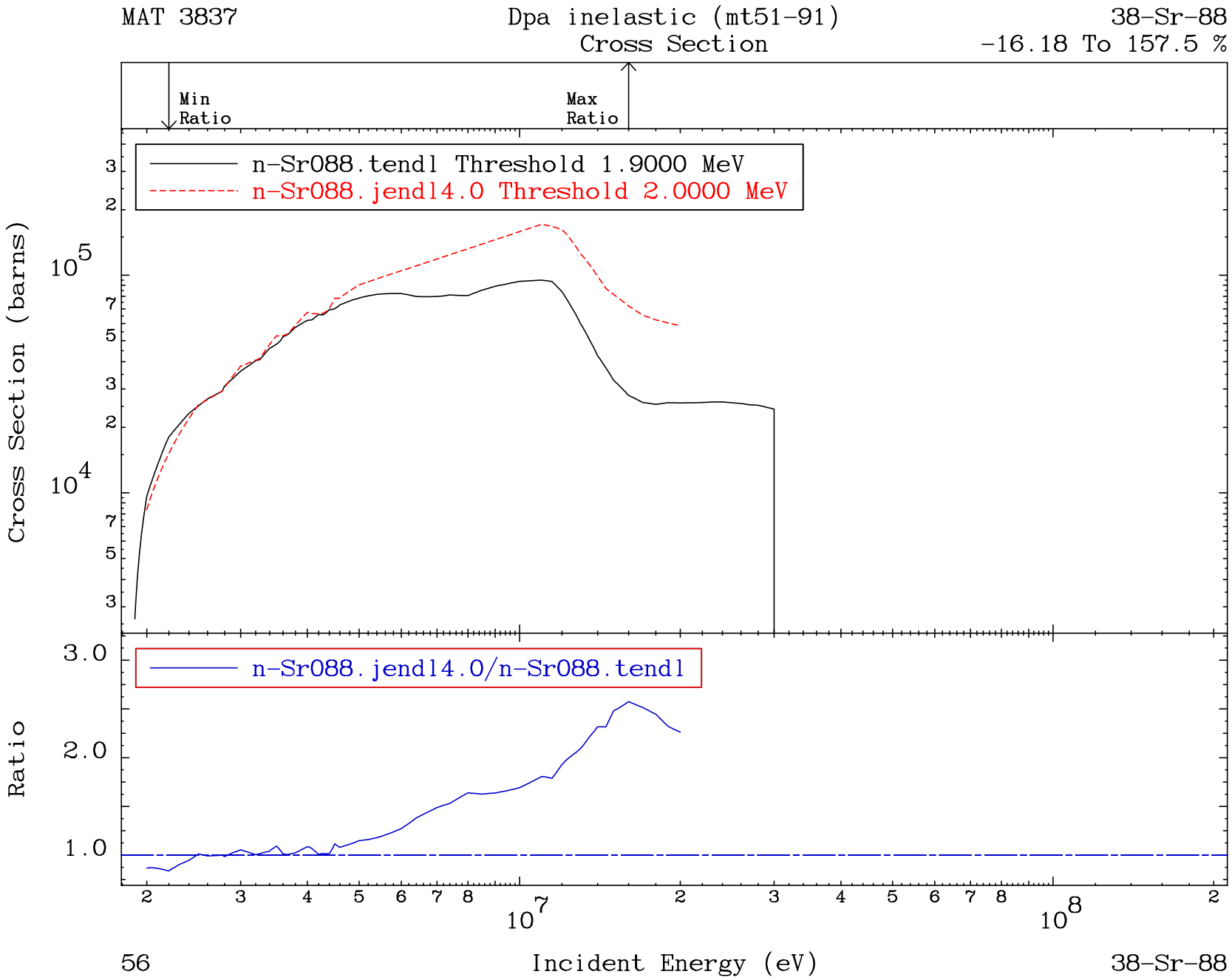

MAT 3837
Kerma capture (mt102)
Cross Section
38-Sr-88
-99.72 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
51
38-Sr-88

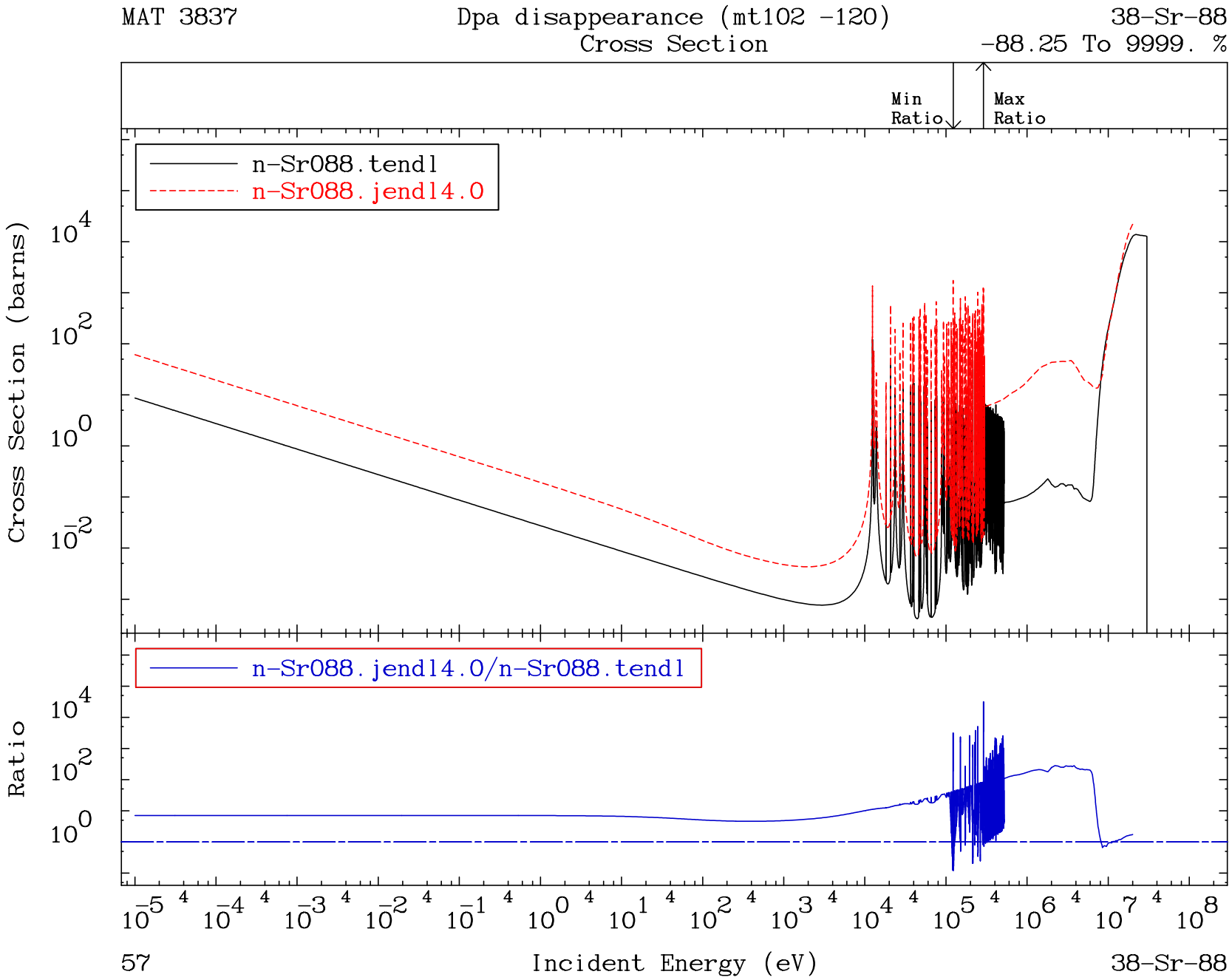

MAT 3837
Total photon (eV-barns)
Cross Section
38-Sr-88
-99.72 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (Mega-barns)
30
25
20
15
10
5
0
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
52
Incident Energy (eV)
38-Sr-88


MAT 3837
Total kinematic kerma (high limit)
Cross Section
38-Sr-88
-100.0 To 114.9 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
53
38-Sr-88


MAT 3837
Dpa total (eV-barns)
Cross Section
38-Sr-88
-99.58 To 967.5 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
10^6
10^4
10^2
10^0
10^-2
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
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
54
Incident Energy (eV)
38-Sr-88


MAT 3837
Dpa elastic (mt2)
Cross Section
38-Sr-88
-95.90 To 967.5 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 562.50 eV
n-Sr088.jendl4.0 Threshold 600.00 eV
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
55
38-Sr-88


MAT 3837
Dpa inelastic (mt51-91)
Cross Section
38-Sr-88
-16.18 To 157.5 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 1.9000 MeV
n-Sr088.jendl4.0 Threshold 2.0000 MeV
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
56
38-Sr-88


MAT 3837
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-88
-88.25 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.jendl4.0
Cross Section (barns)
n-Sr088.jendl4.0/n-Sr088.tendl
Ratio
Incident Energy (eV)
57
38-Sr-88