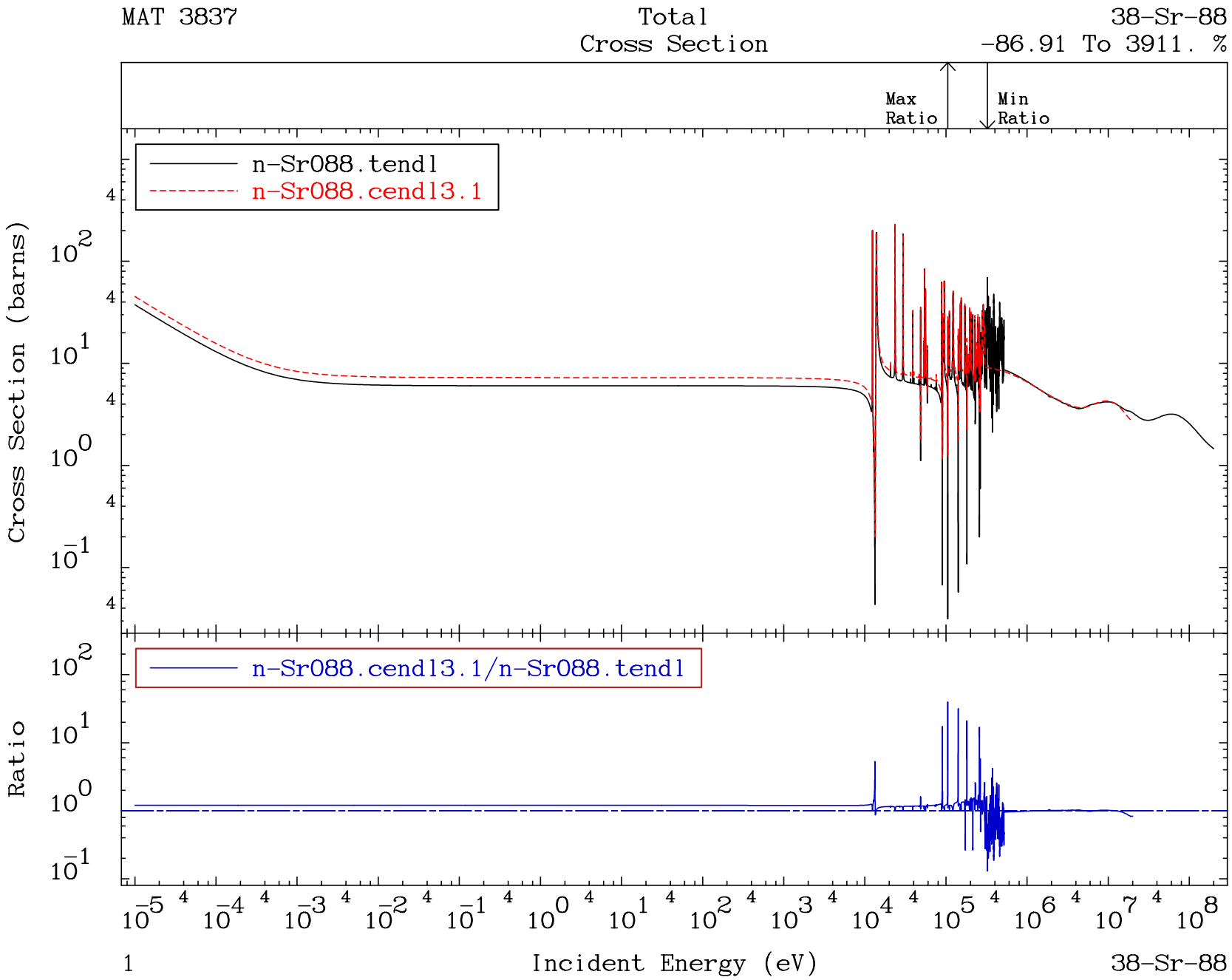
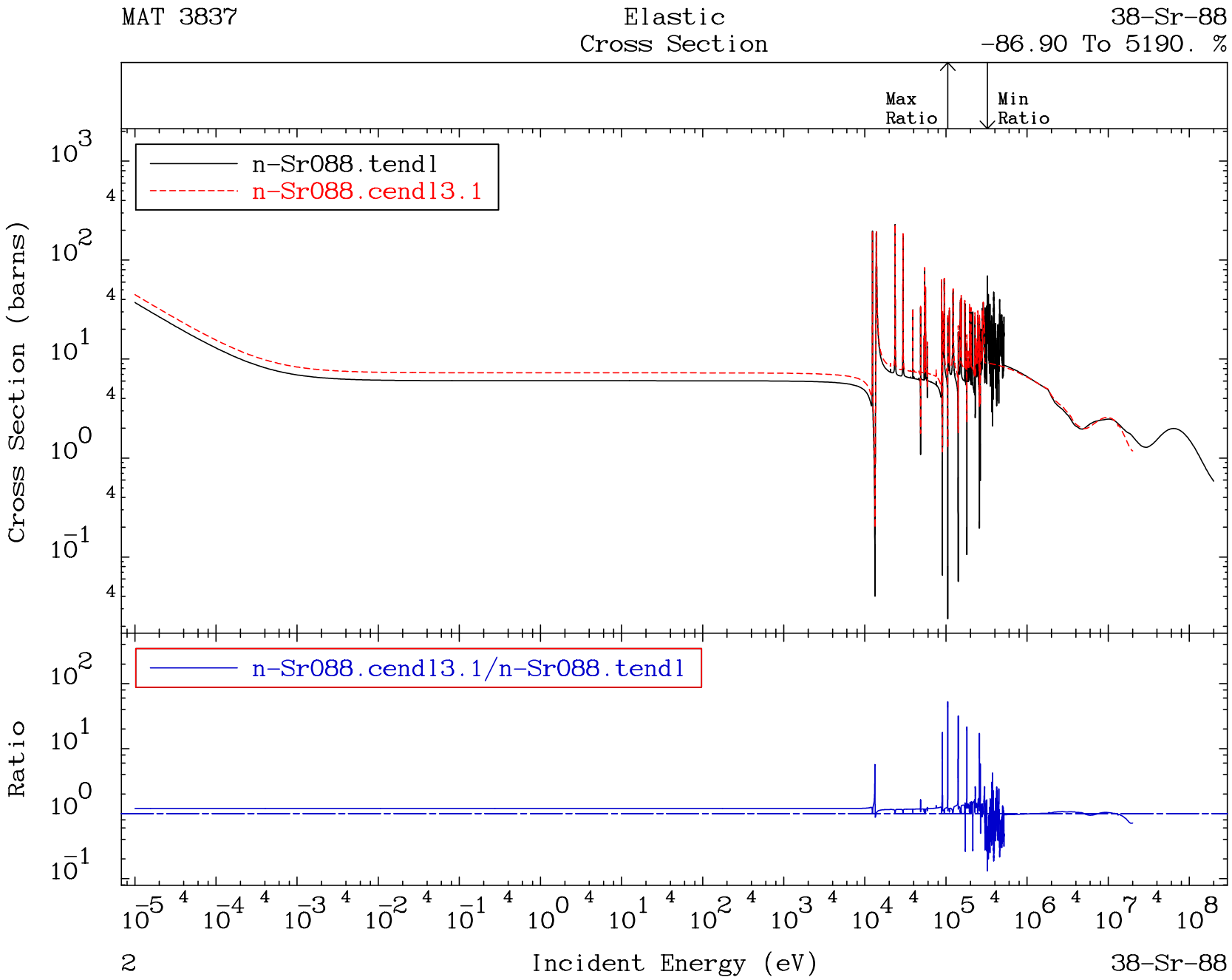
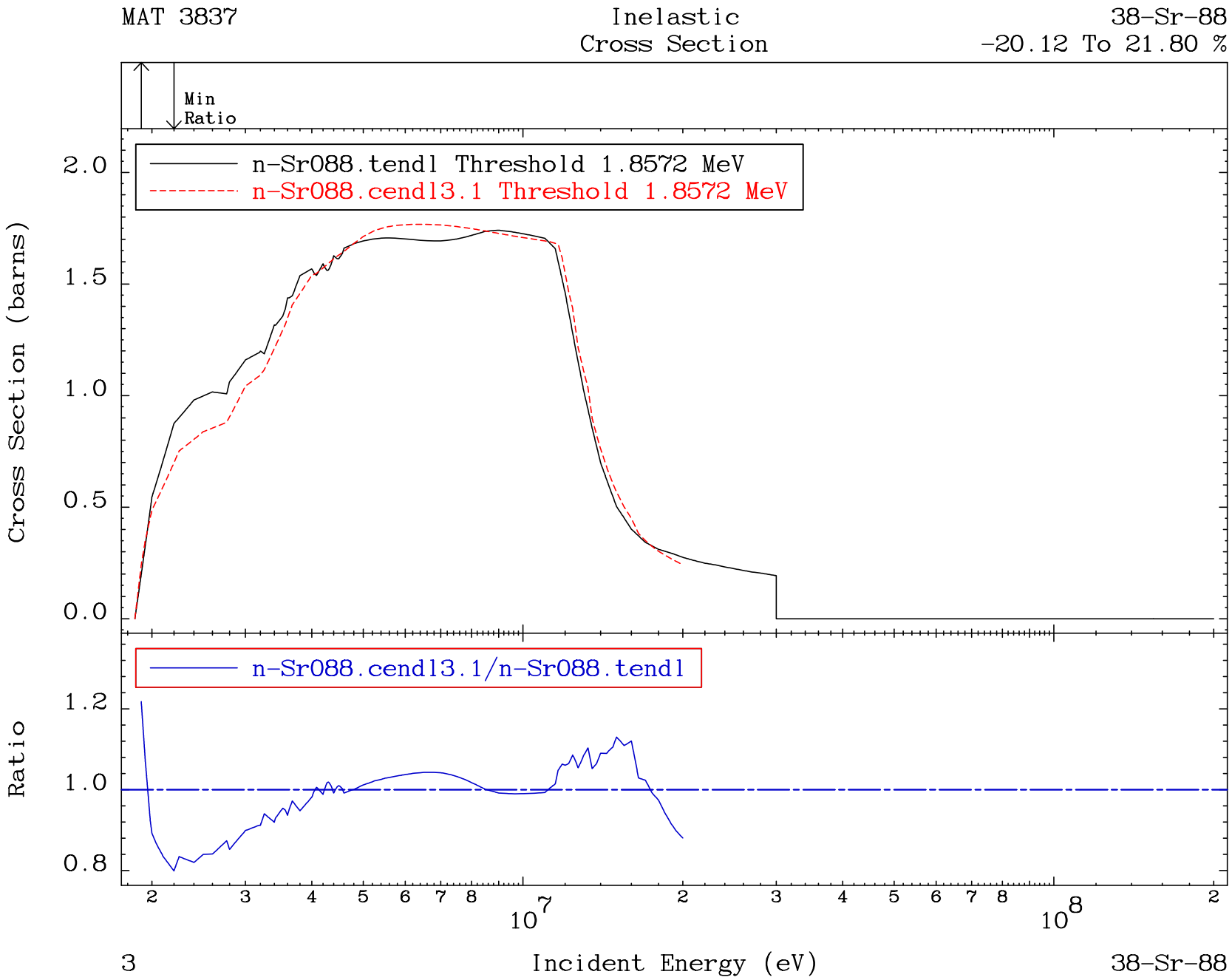
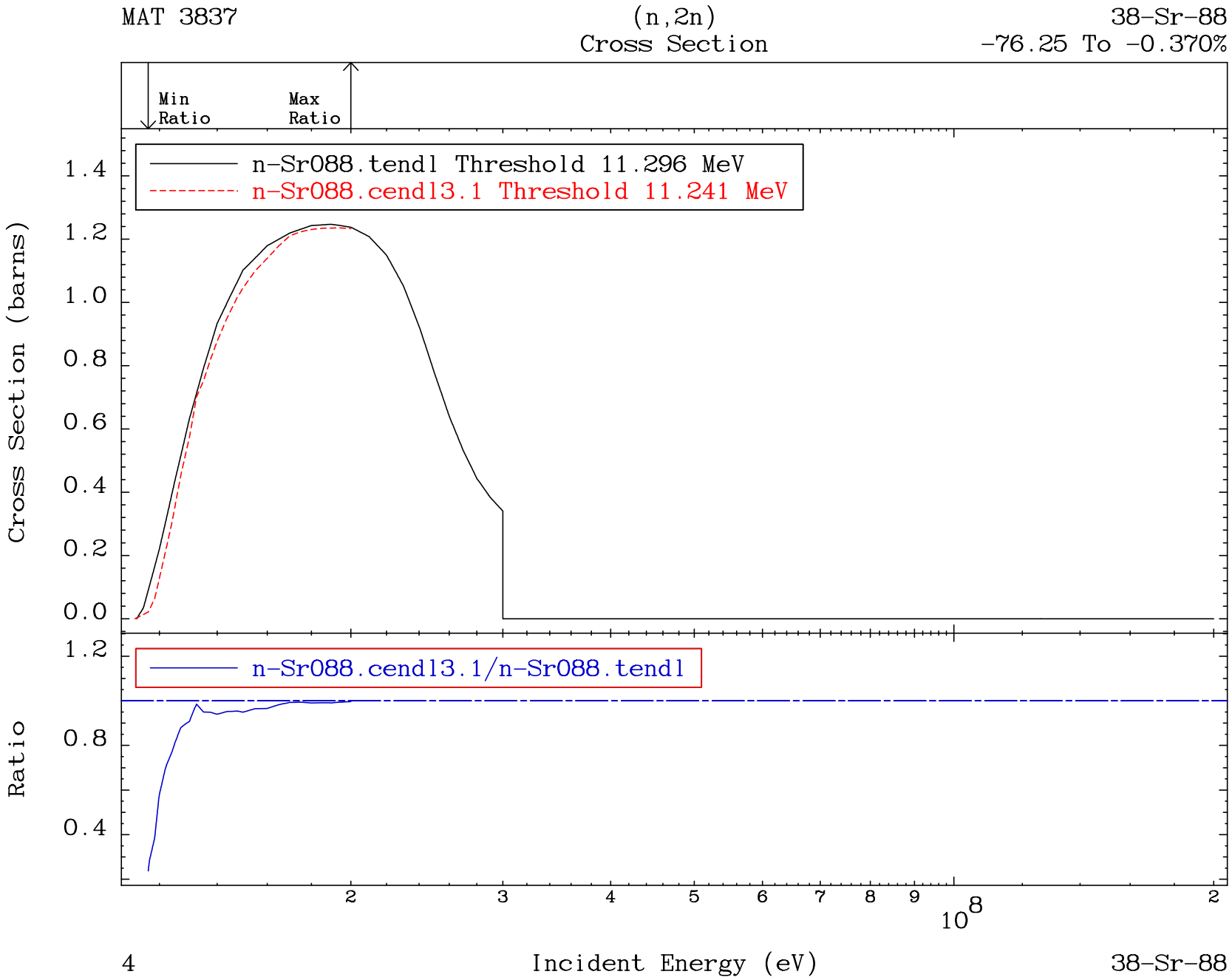
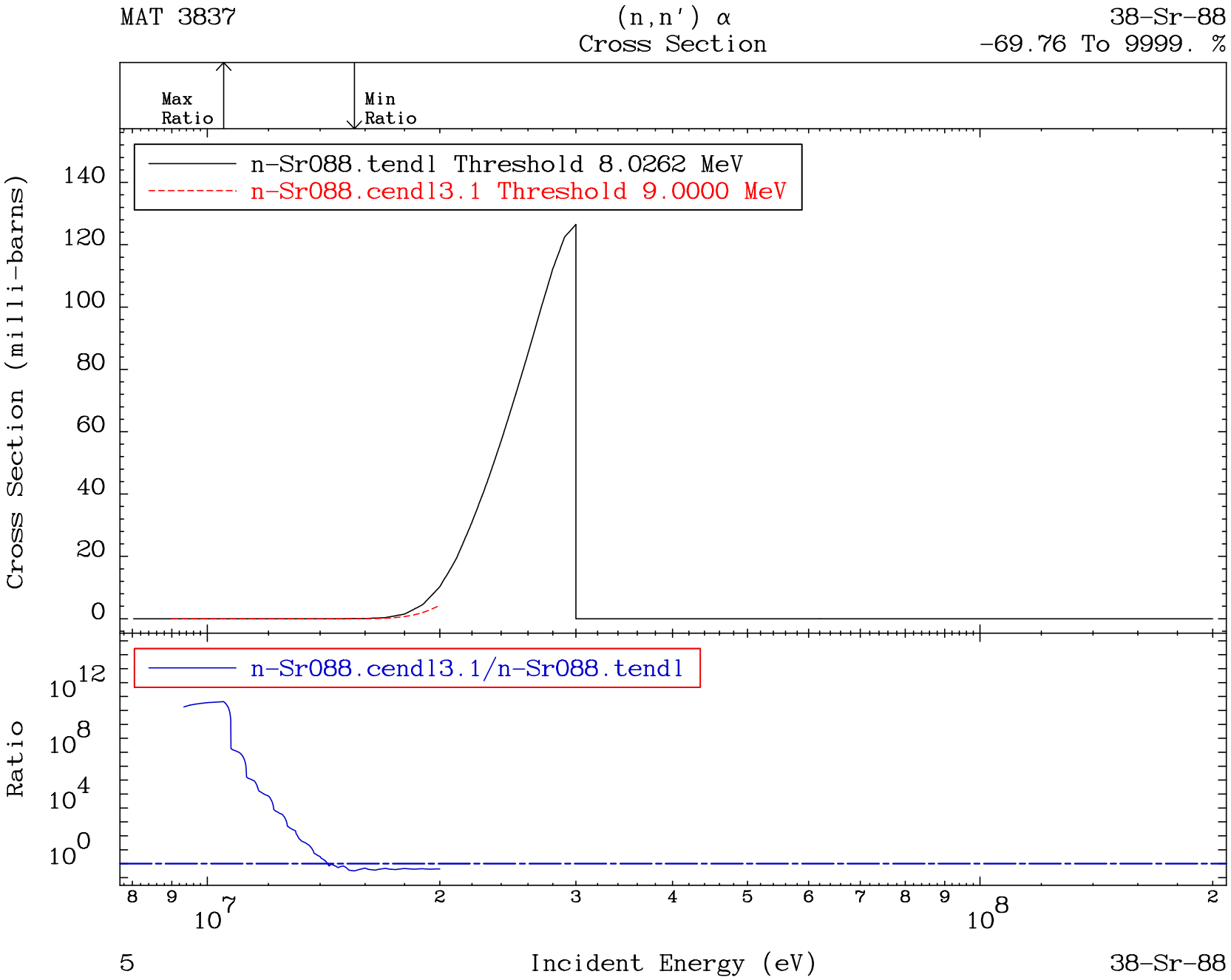
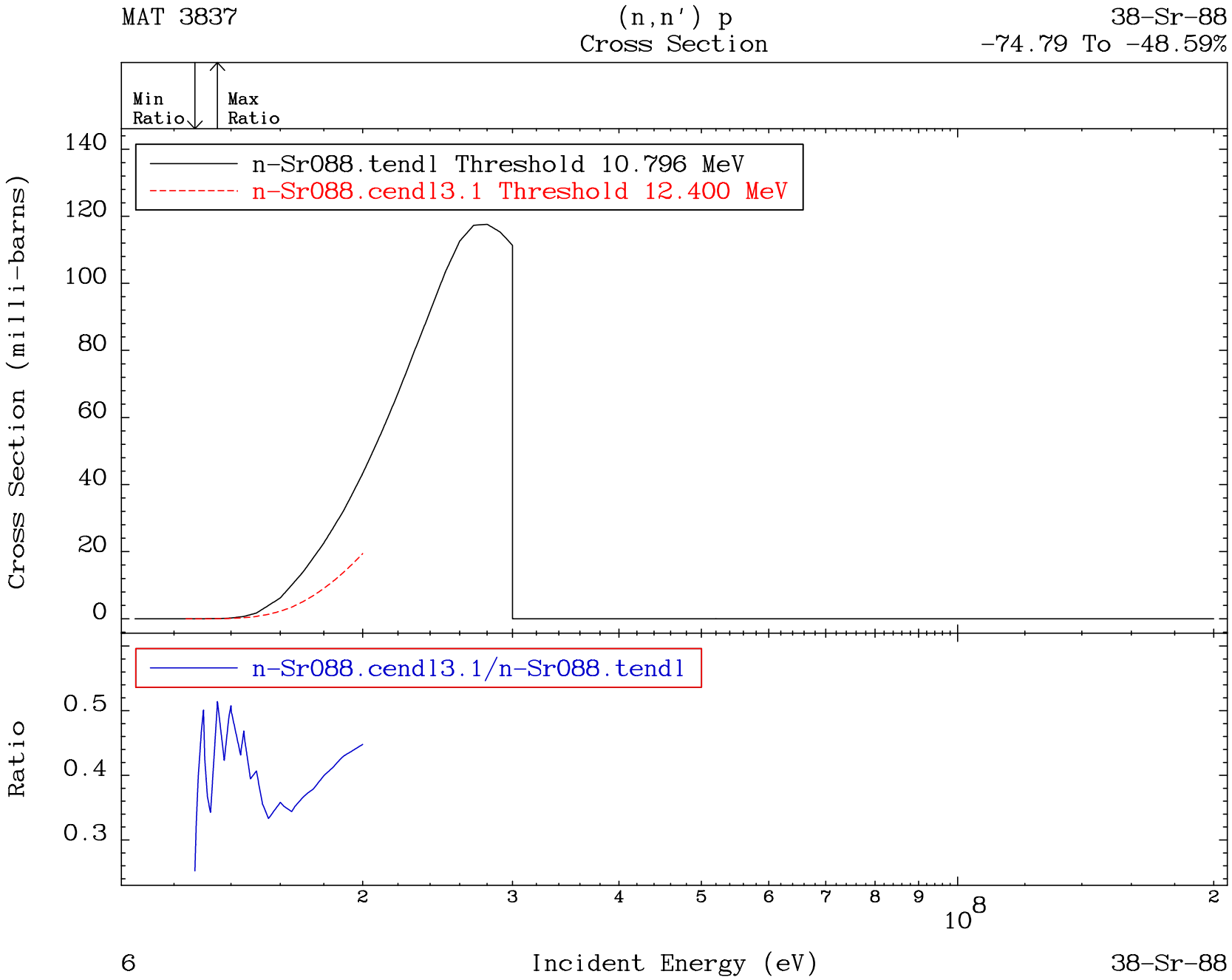

MAT 3837
Total
Cross Section
38-Sr-88
-86.91 To 3911. %
Max Ratio
Min Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
1
38-Sr-88

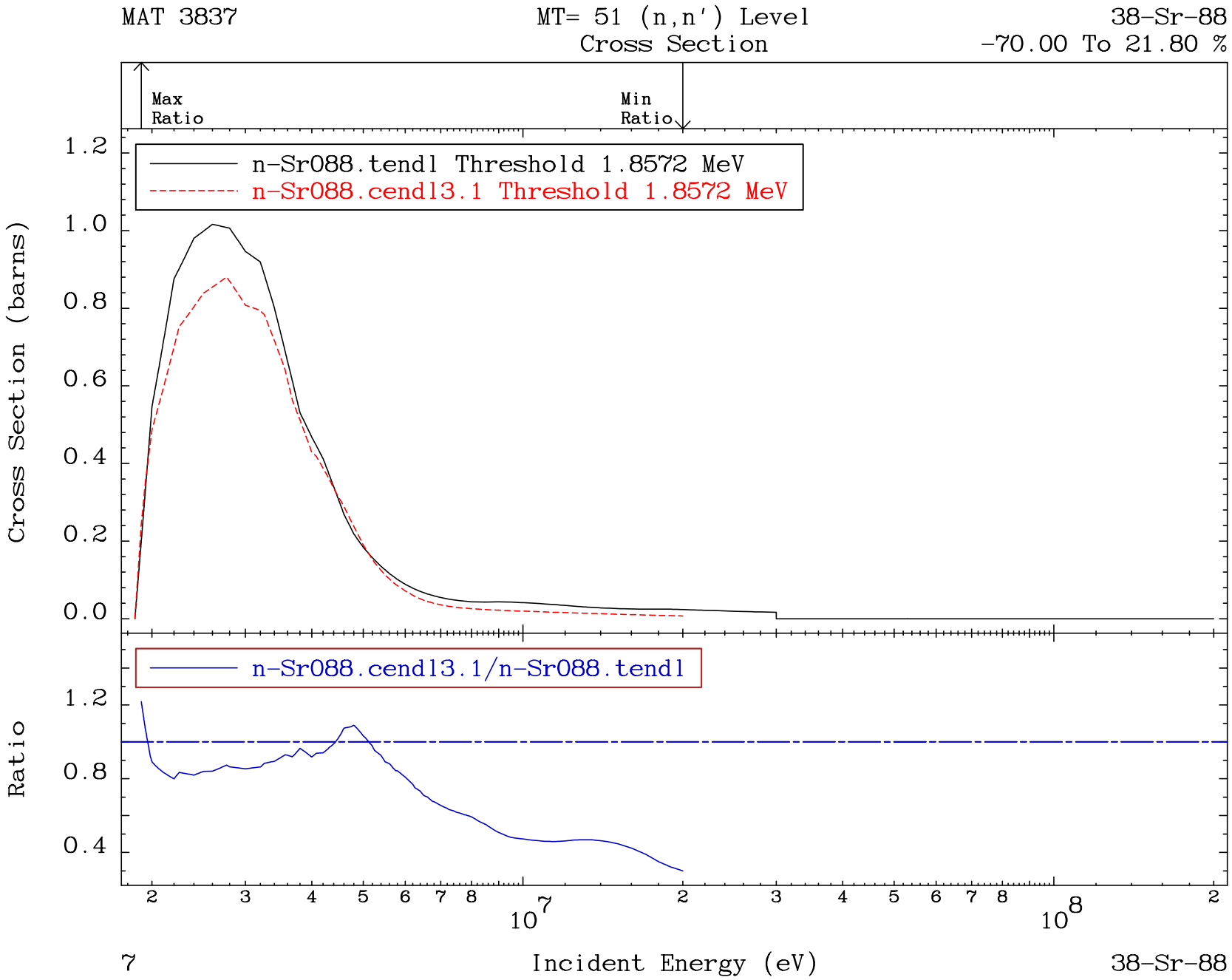

MAT 3837
Elastic
Cross Section
38-Sr-88
-86.90 To 5190. %
Max Ratio
Min Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
2
38-Sr-88

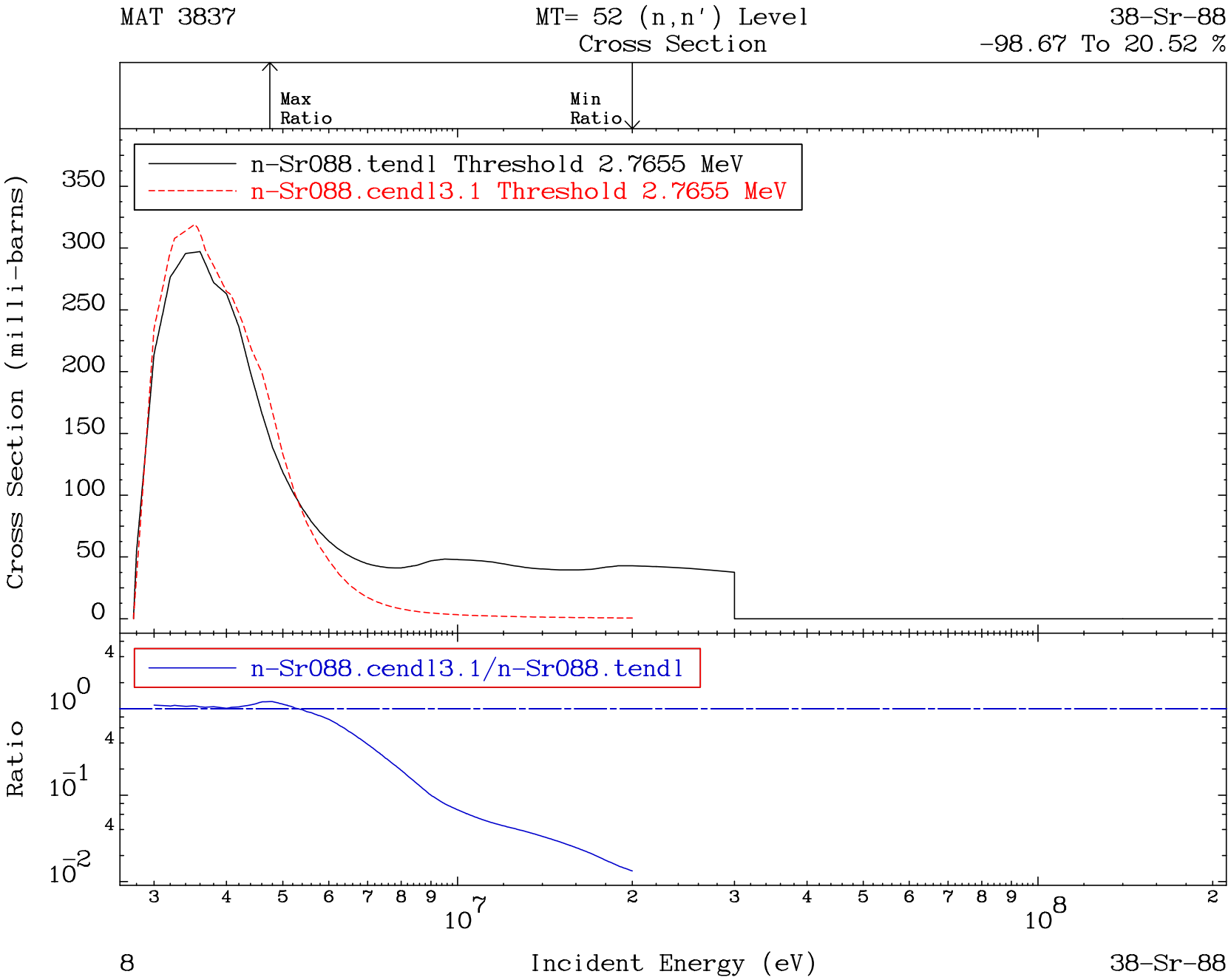

MAT 3837
Inelastic
Cross Section
38-Sr-88
-20.12 To 21.80 %
Min
Ratio
n-Sr088.tendl Threshold 1.8572 MeV
n-Sr088.cendl3.1 Threshold 1.8572 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
38-Sr-88

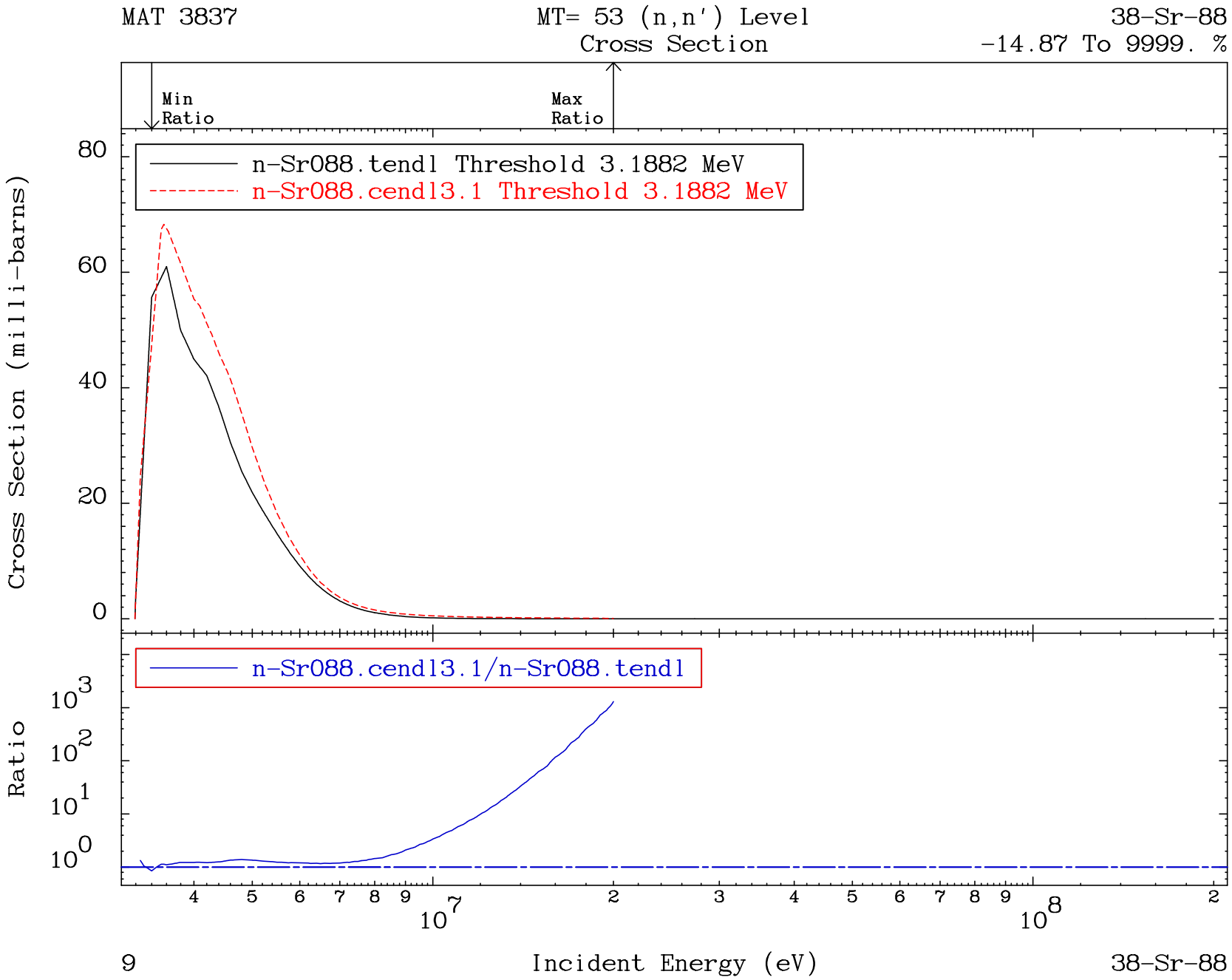

MAT 3837
(n,2n)
Cross Section
38-Sr-88
-76.25 To -0.370%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 11.296 MeV
n-Sr088.cendl3.1 Threshold 11.241 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
38-Sr-88

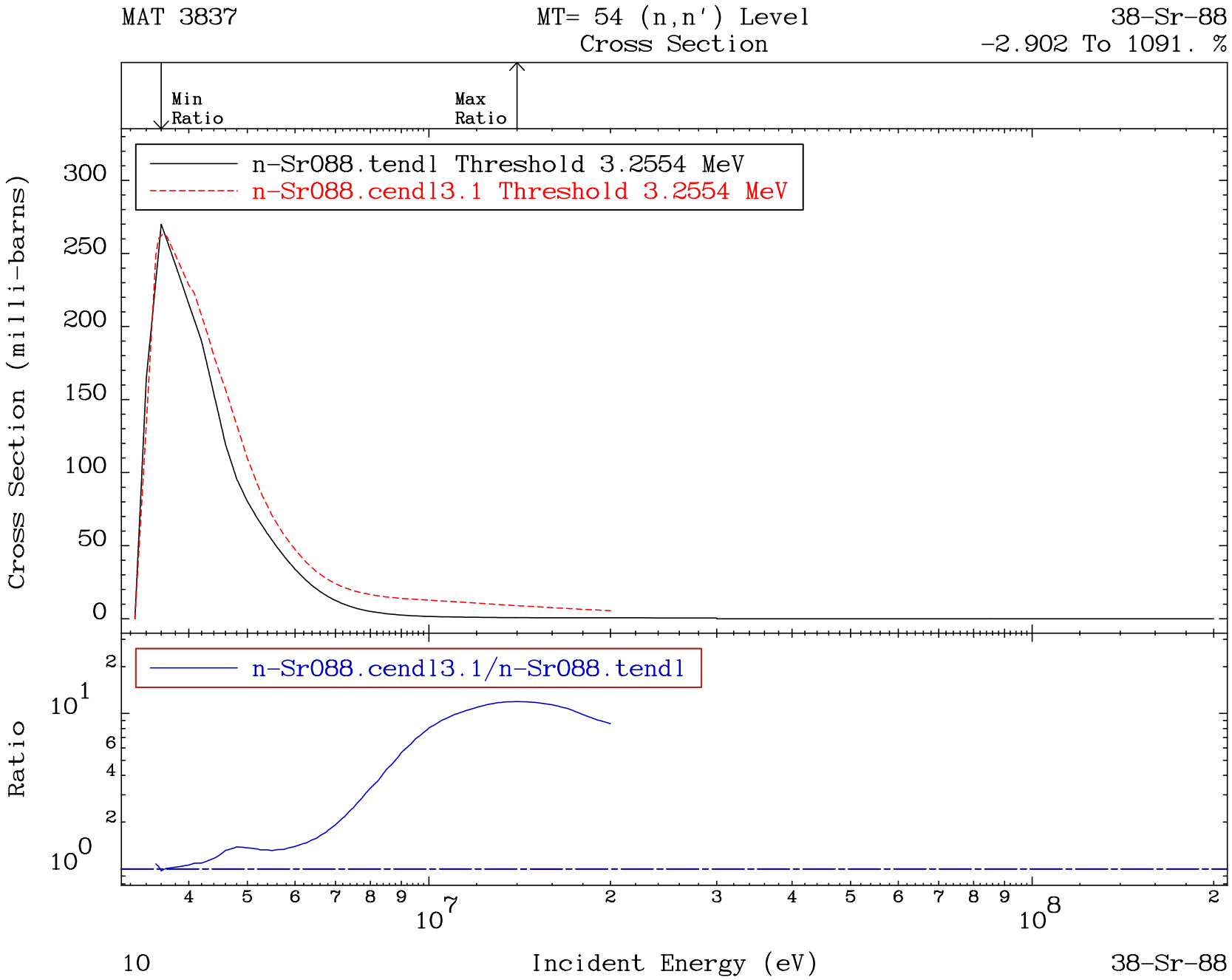

MAT 3837
(n,n') α
Cross Section
38-Sr-88
-69.76 To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 8.0262 MeV
n-Sr088.cendl3.1 Threshold 9.0000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^12
10^8
10^4
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
38-Sr-88

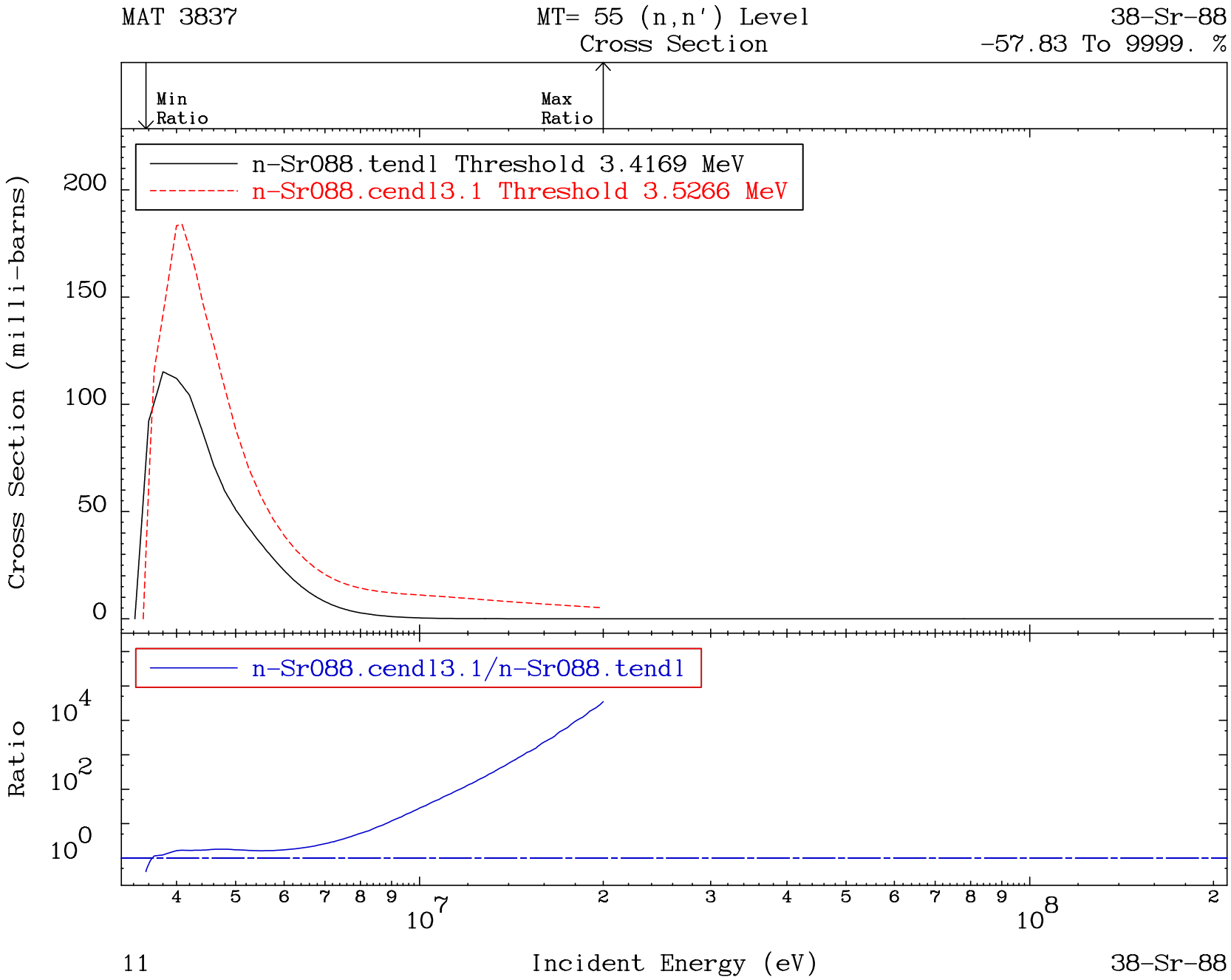

MAT 3837
(n,n') p
Cross Section
38-Sr-88
-74.79 To -48.59%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 10.796 MeV
n-Sr088.cendl3.1 Threshold 12.400 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
0.5
0.4
0.3
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
38-Sr-88

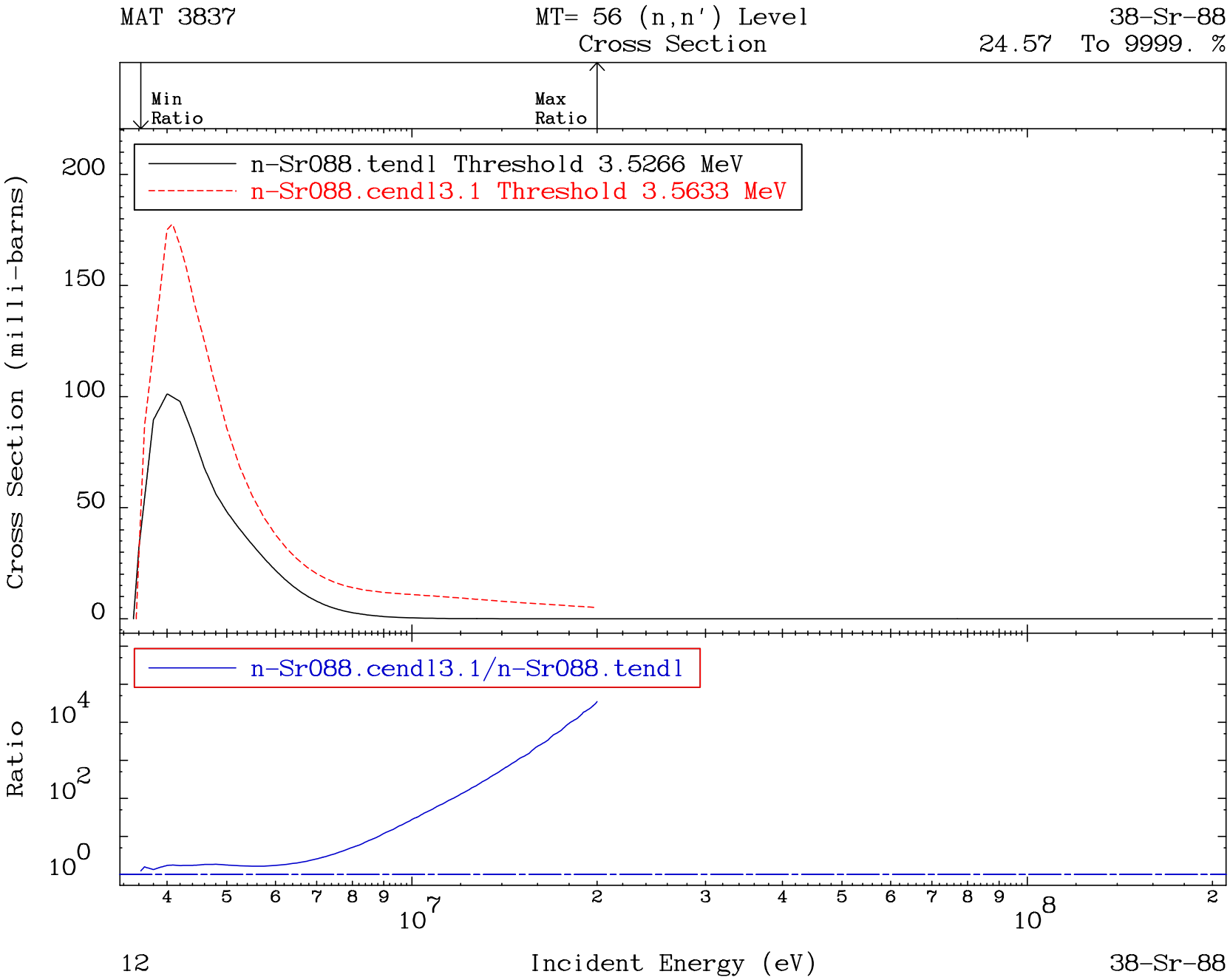

MAT 3837
MT= 51 (n,n') Level
Cross Section
38-Sr-88
-70.00 To 21.80 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 1.8572 MeV
n-Sr088.cendl3.1 Threshold 1.8572 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
38-Sr-88

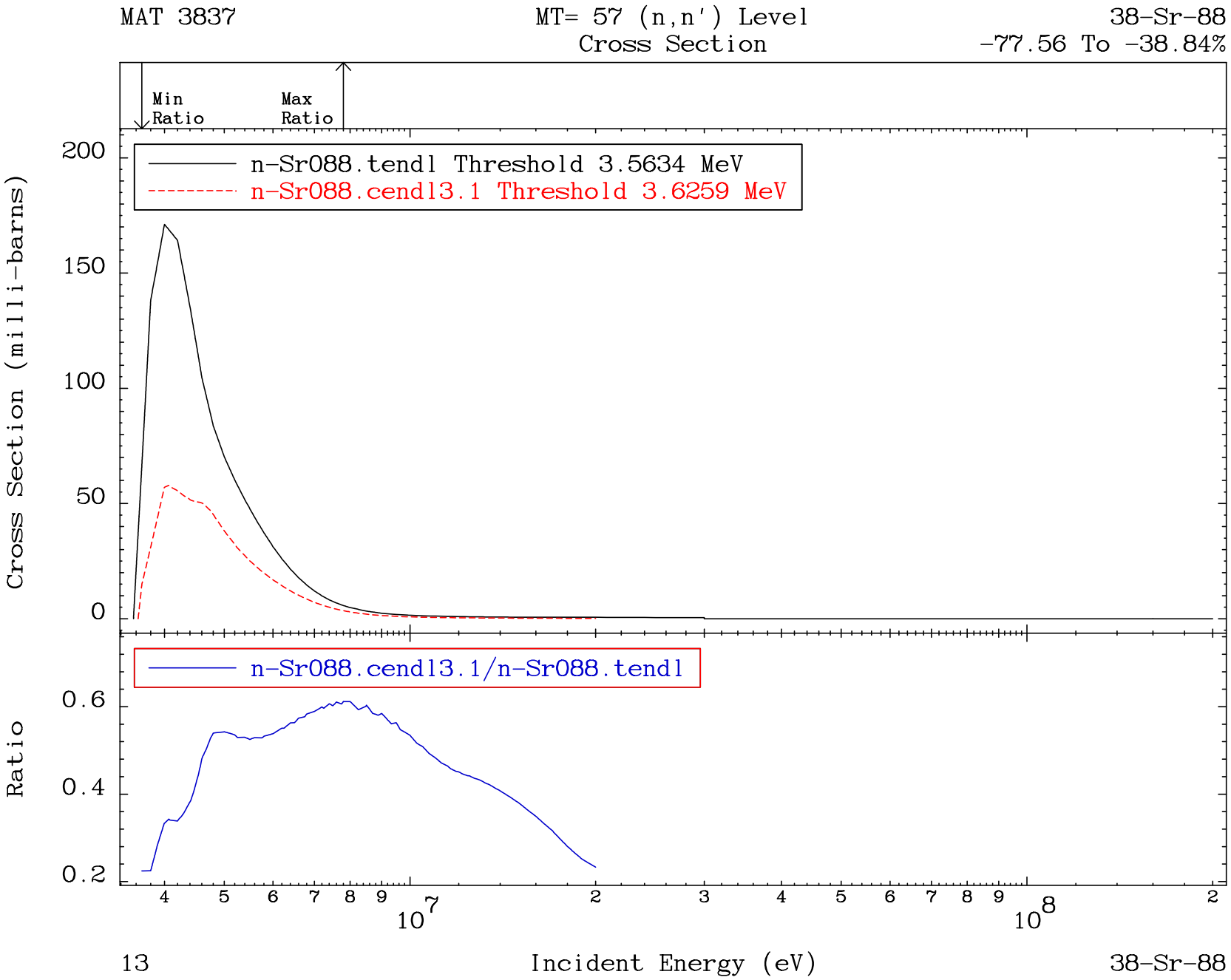

MAT 3837
MT= 52 (n,n') Level
Cross Section
38-Sr-88
-98.67 To 20.52 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 2.7655 MeV
n-Sr088.cendl3.1 Threshold 2.7655 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
4
10^{0}
4
10^{-1}
4
10^{-2}
3 4 5 6 7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
8
Incident Energy (eV)
38-Sr-88

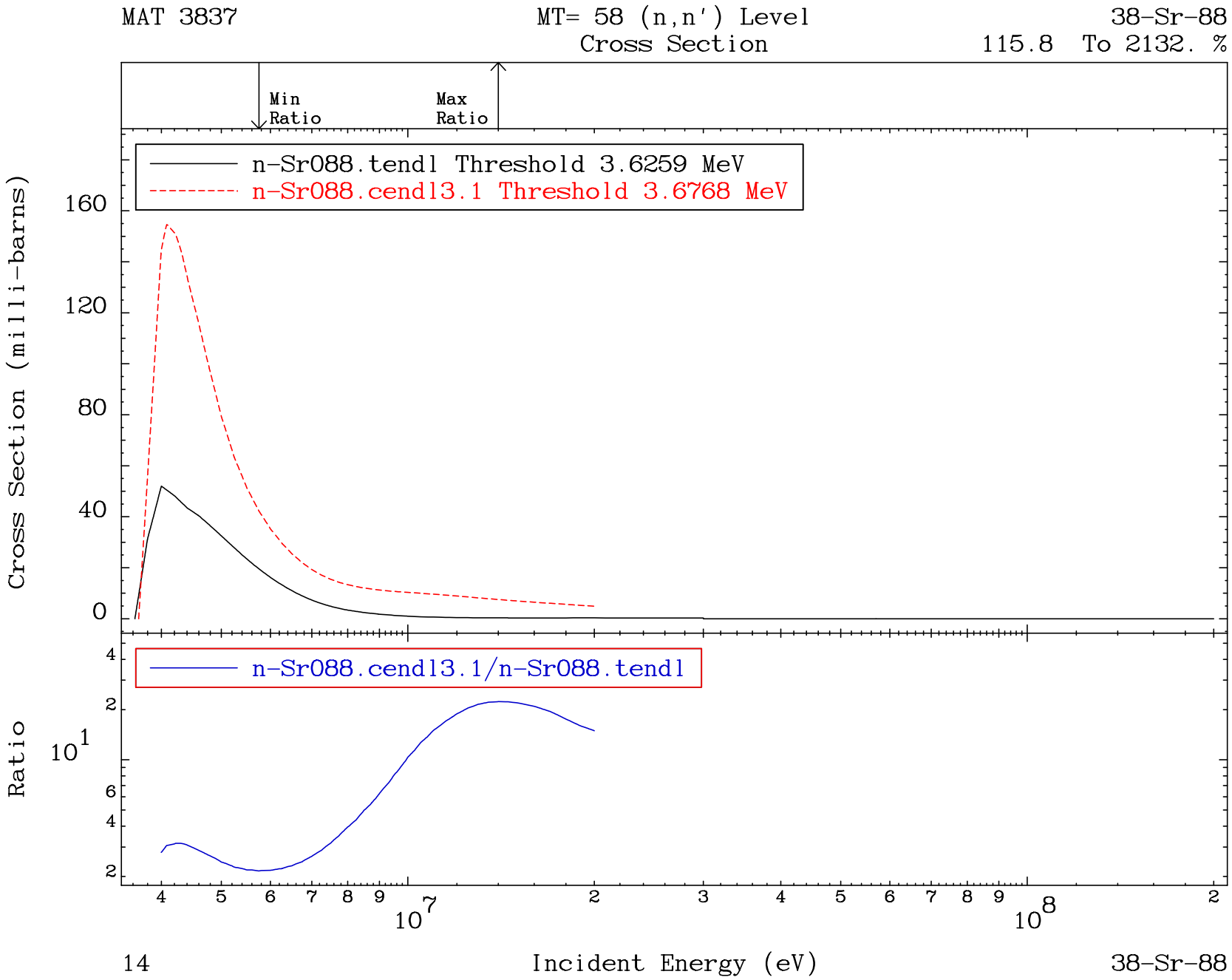

MAT 3837
MT= 53 (n,n') Level
Cross Section
38-Sr-88
-14.87 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.1882 MeV
n-Sr088.cendl3.1 Threshold 3.1882 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^3
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
38-Sr-88

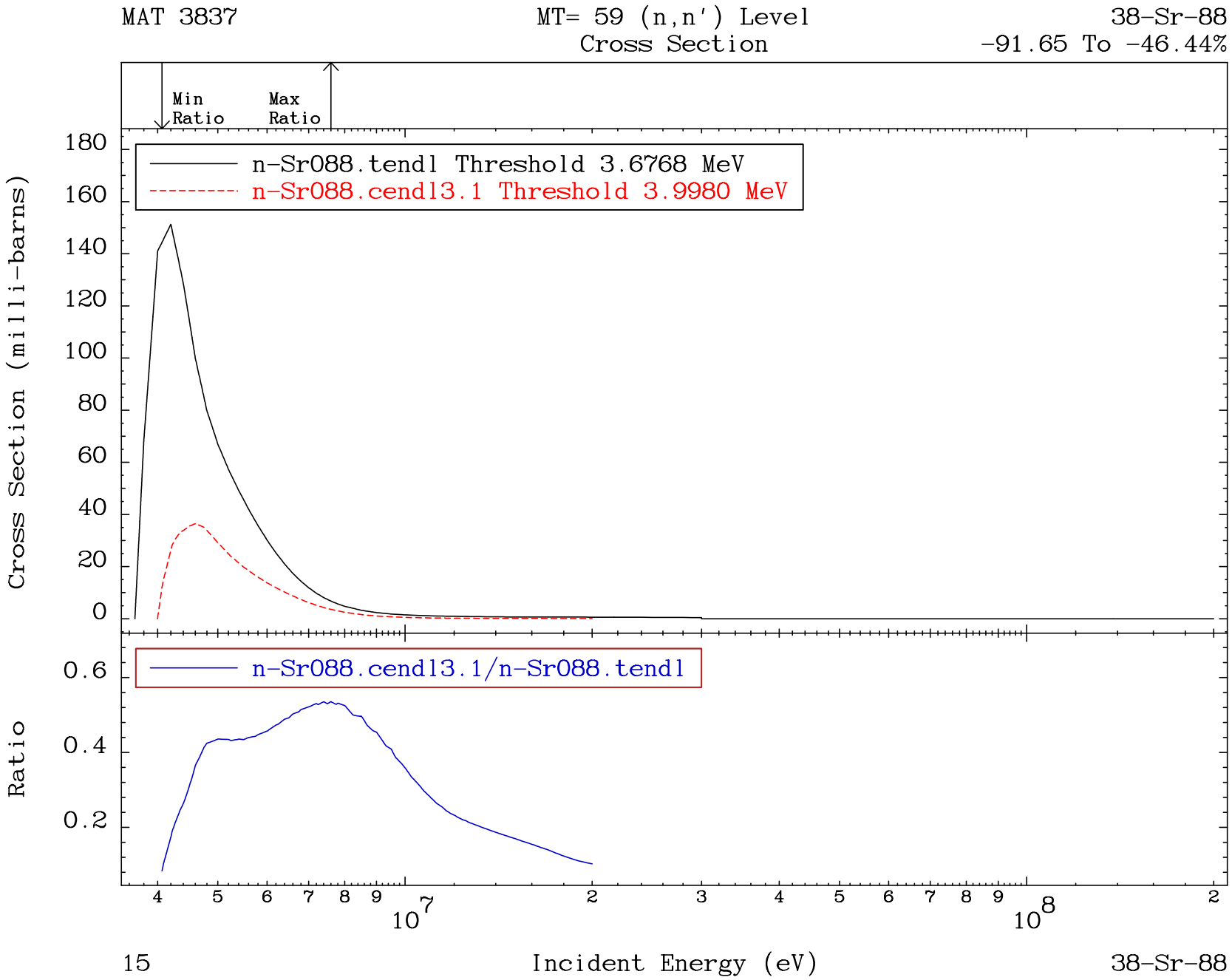

MAT 3837
MT= 54 (n,n') Level
Cross Section
38-Sr-88
-2.902 To 1091. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.2554 MeV
n-Sr088.cendl3.1 Threshold 3.2554 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^1
10^0
2
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
38-Sr-88

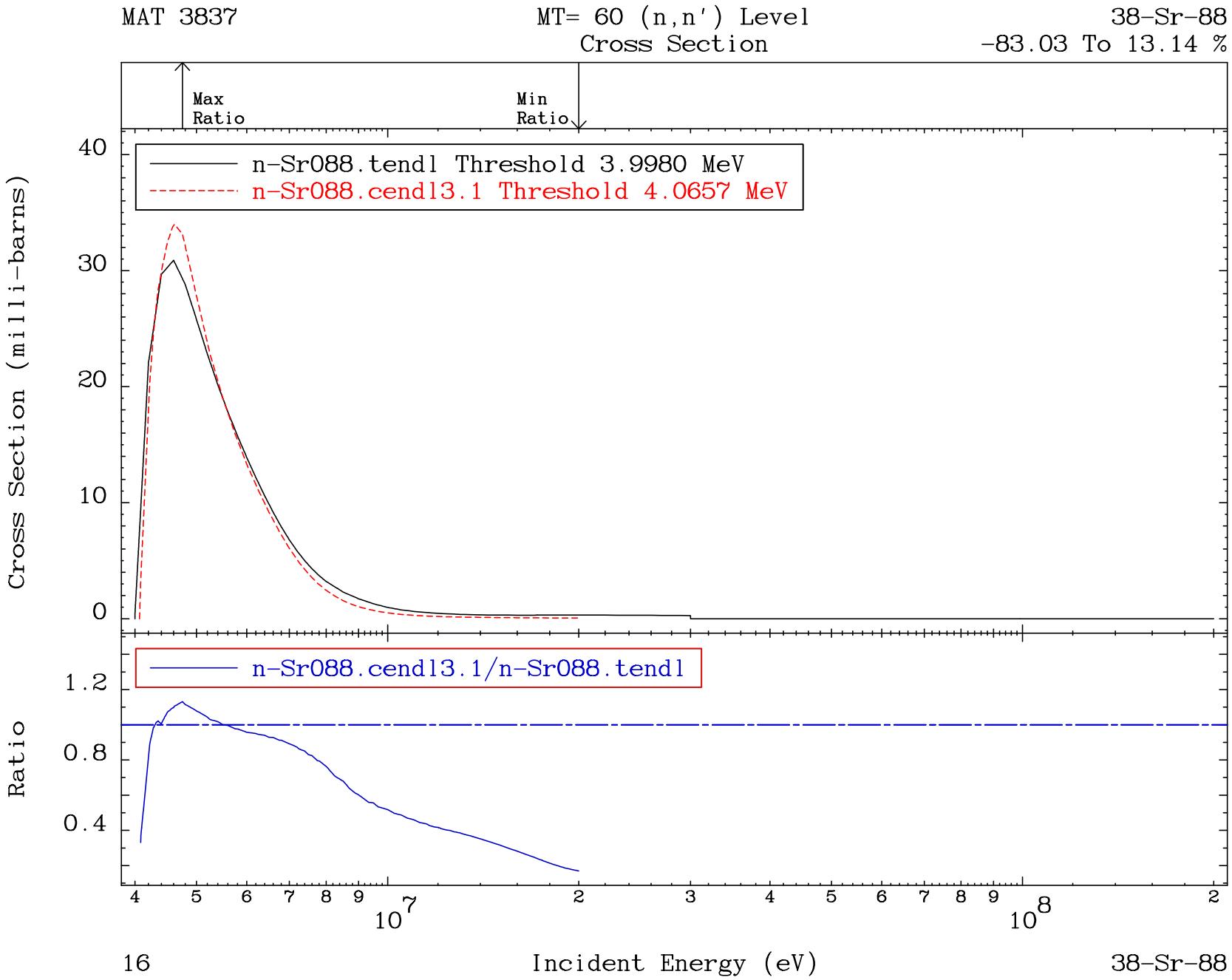

MAT 3837
MT= 55 (n,n') Level
Cross Section
38-Sr-88
-57.83 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.4169 MeV
n-Sr088.cendl3.1 Threshold 3.5266 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
38-Sr-88

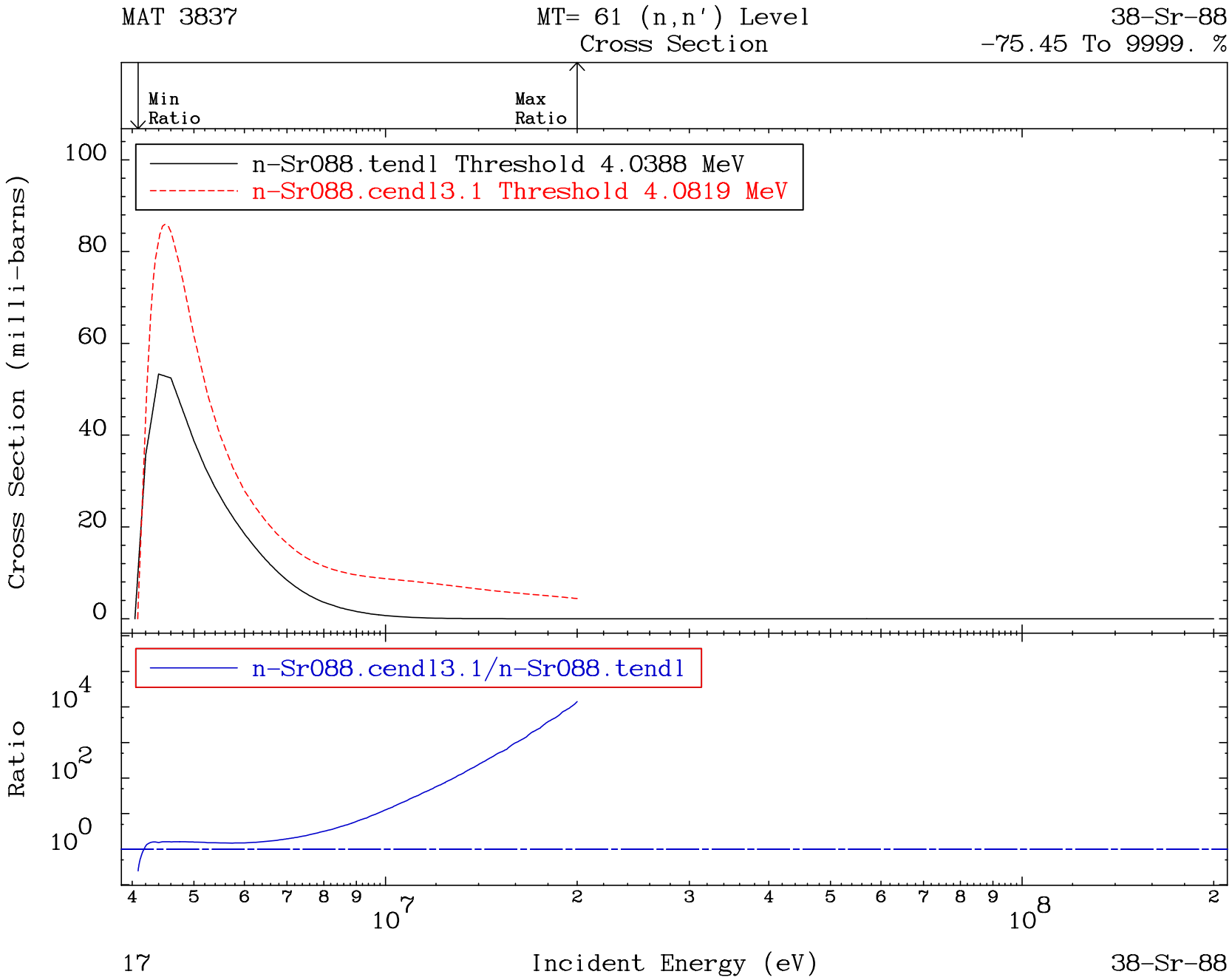

MAT 3837
MT= 56 (n,n') Level
Cross Section
38-Sr-88
24.57 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.5266 MeV
n-Sr088.cendl3.1 Threshold 3.5633 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
38-Sr-88

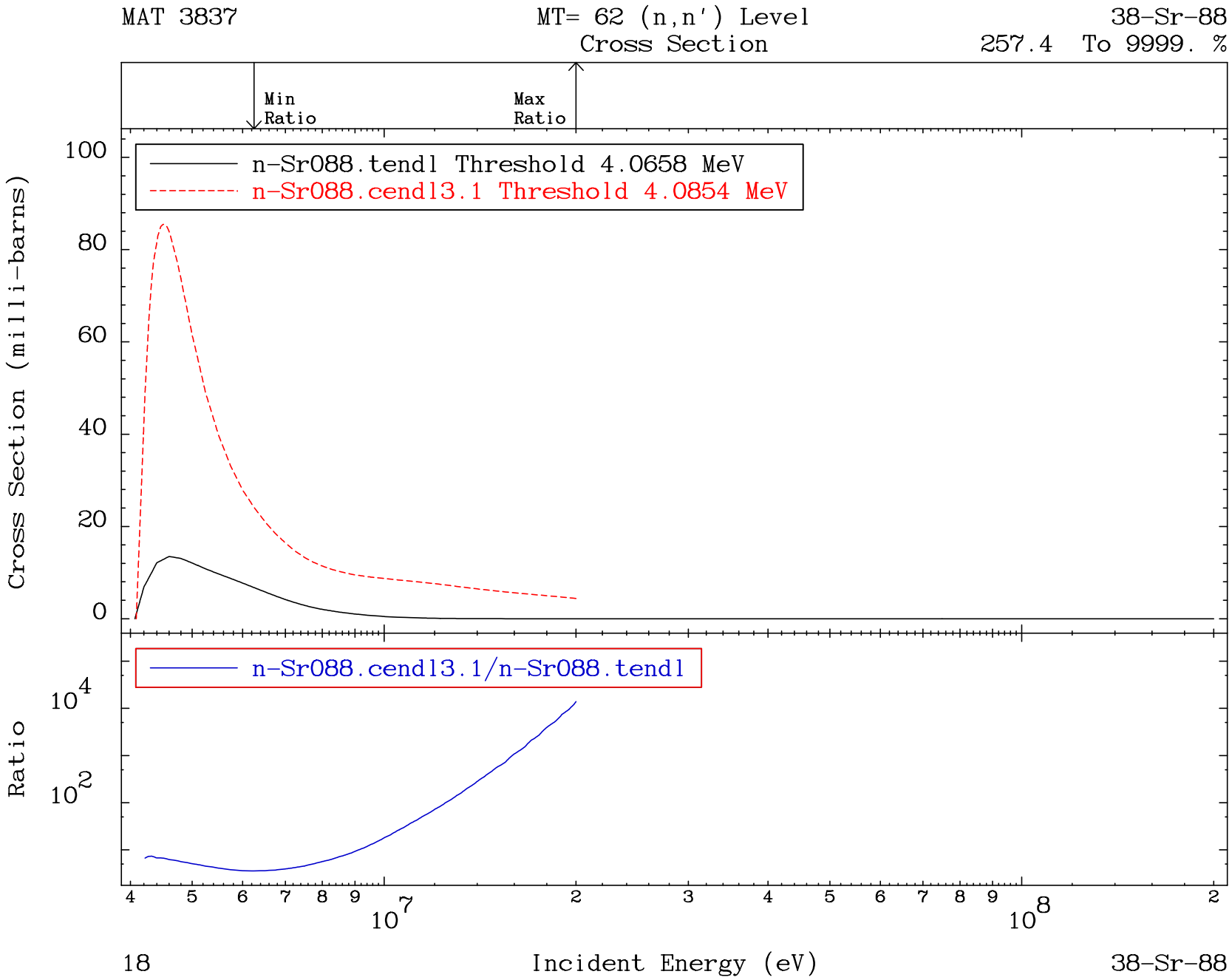

MAT 3837
MT= 57 (n,n') Level
Cross Section
38-Sr-88
-77.56 To -38.84%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.5634 MeV
n-Sr088.cendl3.1 Threshold 3.6259 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
0.6
0.4
0.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
38-Sr-88

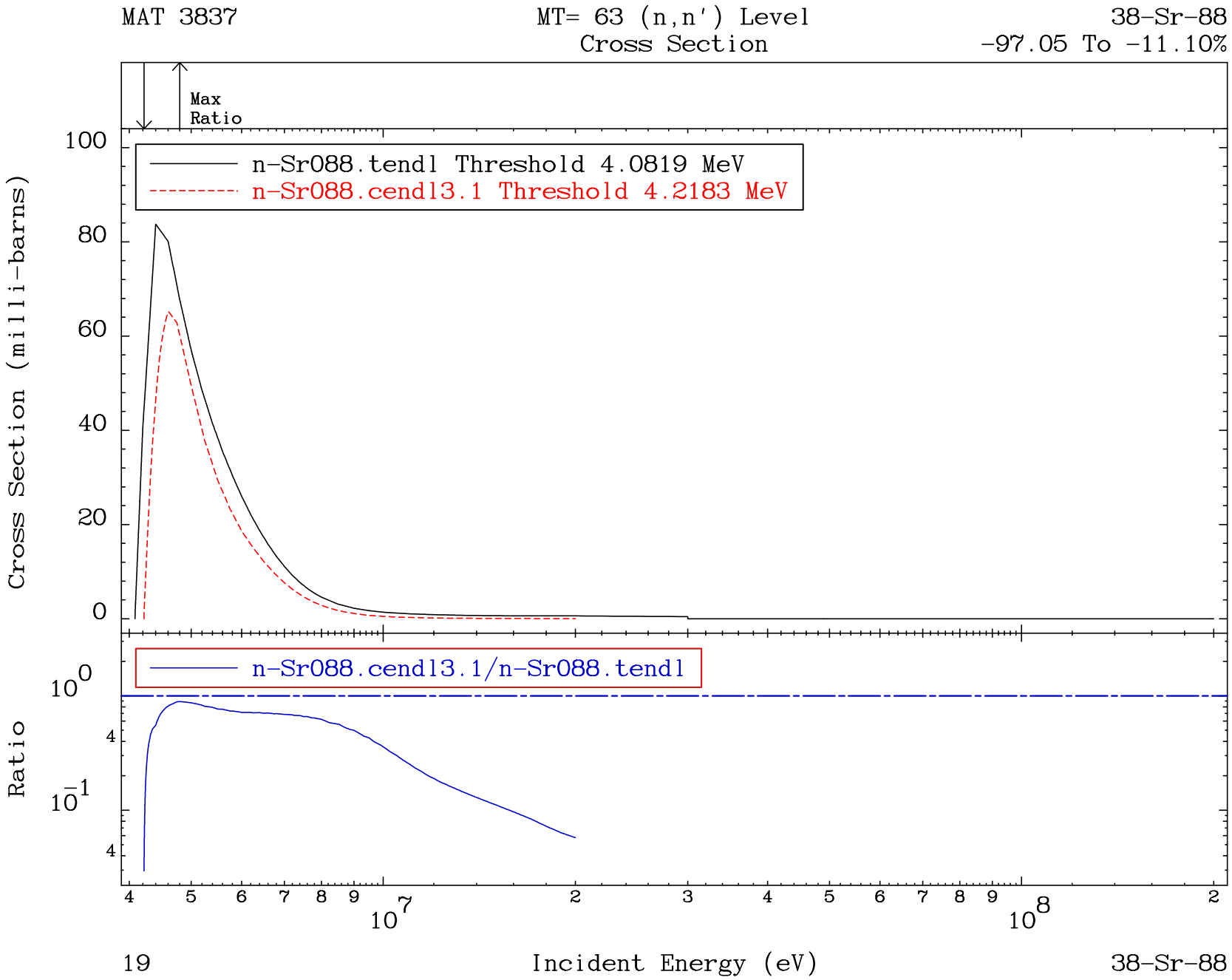

MAT 3837
MT= 58 (n,n') Level
Cross Section
38-Sr-88
115.8 To 2132. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.6259 MeV
n-Sr088.cendl3.1 Threshold 3.6768 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^1
4
2
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
38-Sr-88

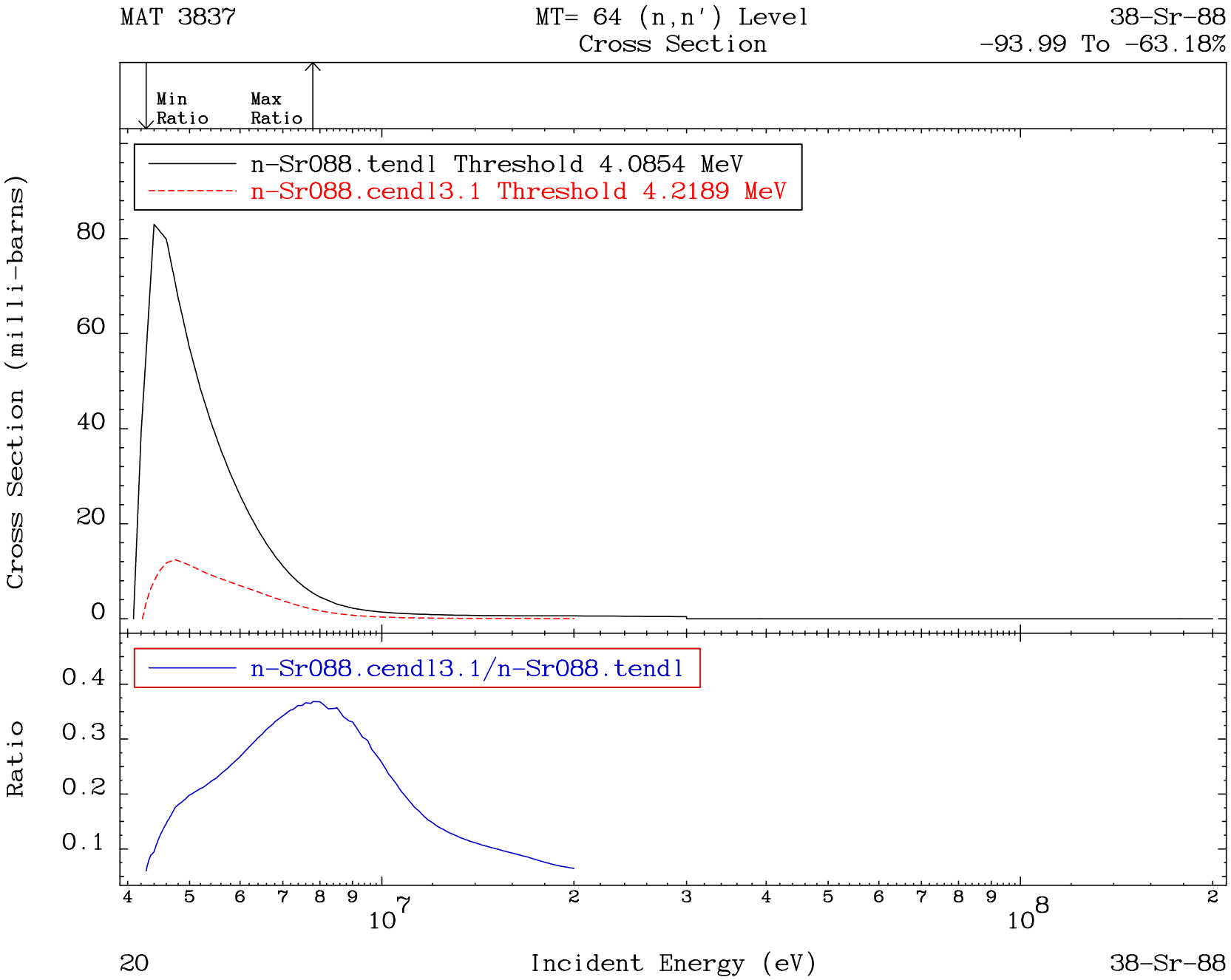

MAT 3837
MT= 59 (n,n') Level
Cross Section
38-Sr-88
-91.65 To -46.44%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 3.6768 MeV
n-Sr088.cendl3.1 Threshold 3.9980 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
0.6
0.4
0.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
38-Sr-88

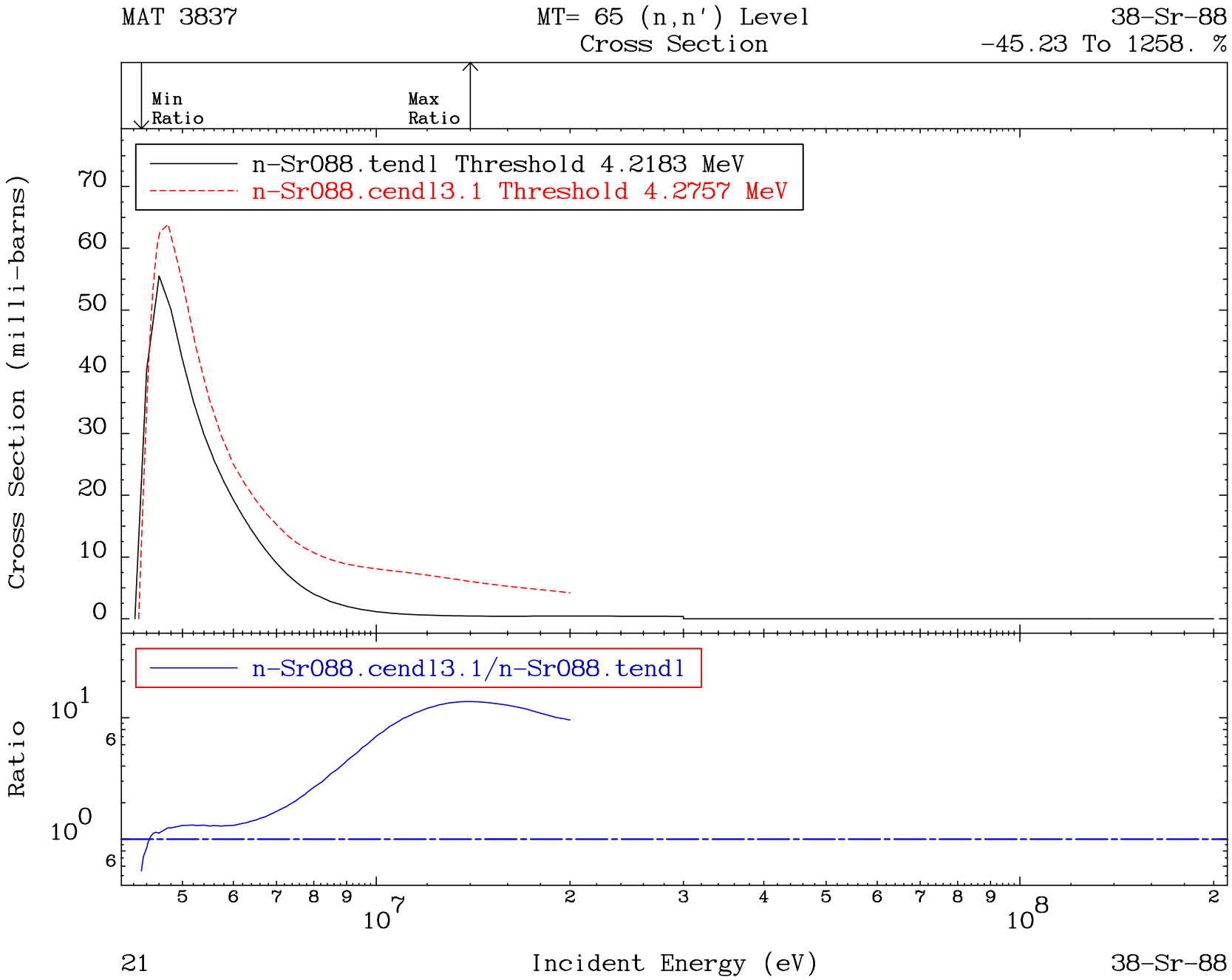

MAT 3837
MT= 60 (n,n') Level
Cross Section
38-Sr-88
-83.03 To 13.14 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 3.9980 MeV
n-Sr088.cendl3.1 Threshold 4.0657 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
38-Sr-88

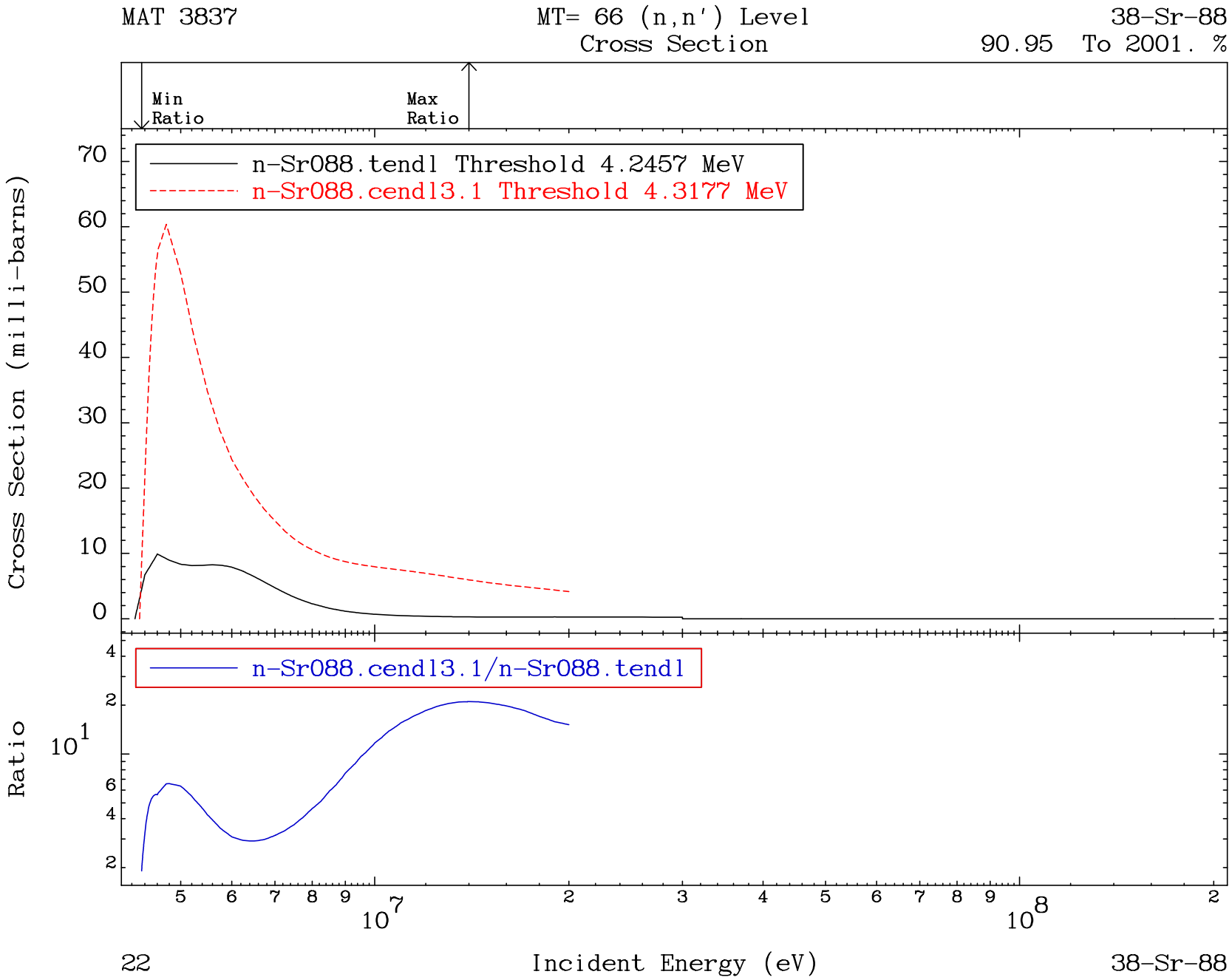

MAT 3837
MT= 61 (n,n') Level
Cross Section
38-Sr-88
-75.45 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0388 MeV
n-Sr088.cendl3.1 Threshold 4.0819 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
38-Sr-88

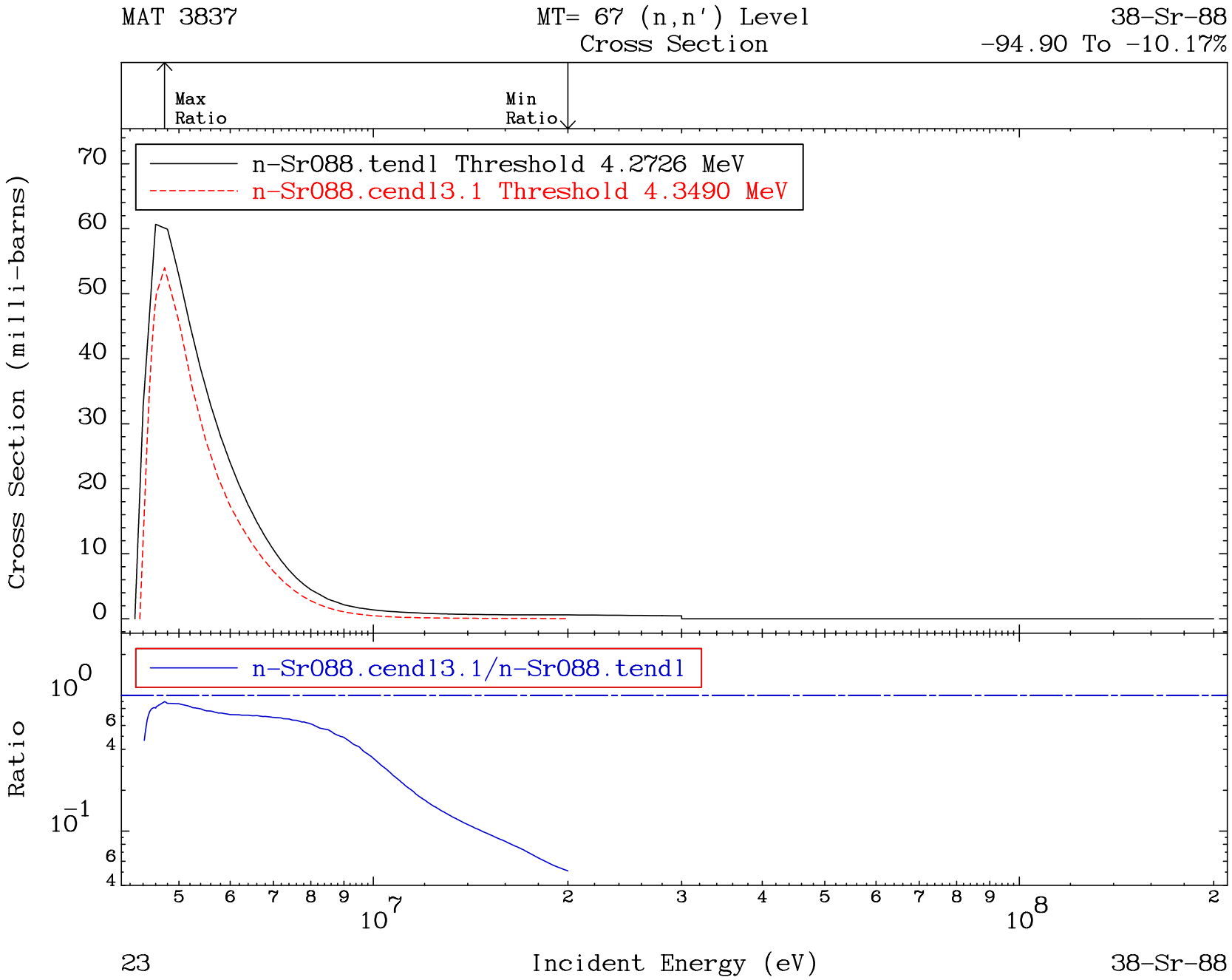

MAT 3837
MT= 62 (n,n') Level
Cross Section
38-Sr-88
257.4 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0658 MeV
n-Sr088.cendl3.1 Threshold 4.0854 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^4
10^2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
38-Sr-88

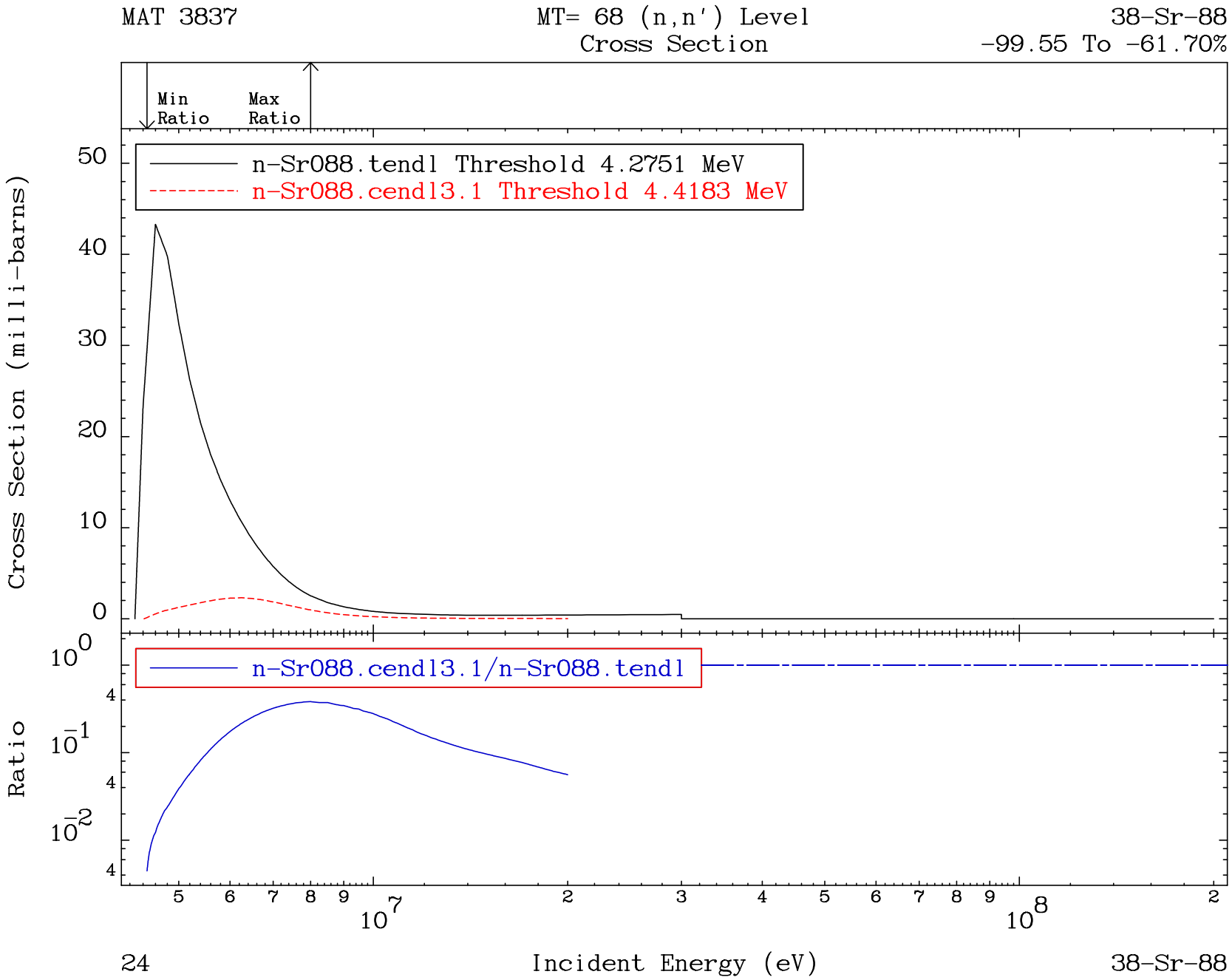

MAT 3837
MT= 63 (n,n') Level
Cross Section
38-Sr-88
-97.05 To -11.10%
Max
Ratio
n-Sr088.tendl Threshold 4.0819 MeV
n-Sr088.cendl3.1 Threshold 4.2183 MeV
Cross Section (milli-barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
19
38-Sr-88

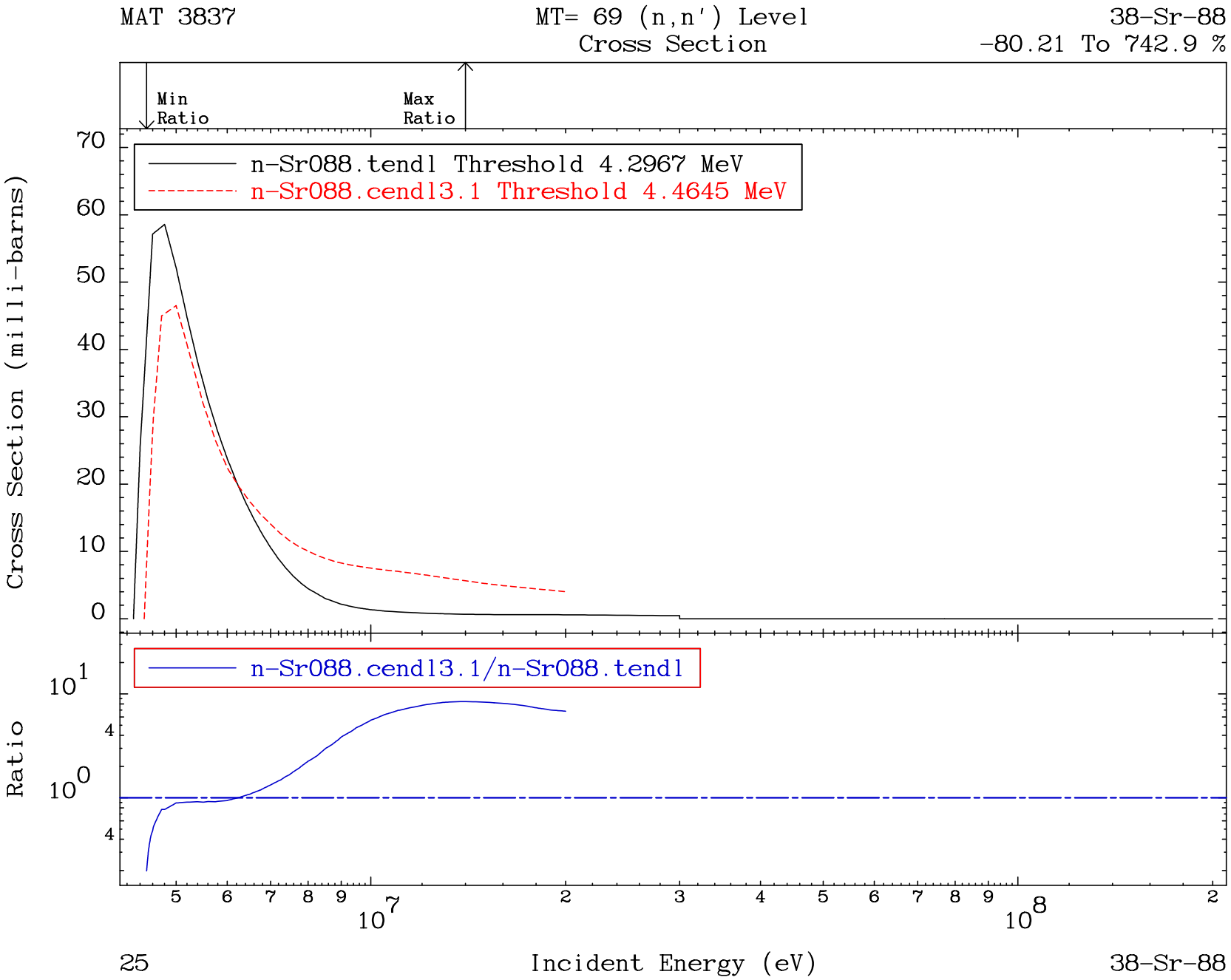

MAT 3837
MT= 64 (n,n') Level
Cross Section
38-Sr-88
-93.99 To -63.18%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.0854 MeV
n-Sr088.cendl3.1 Threshold 4.2189 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
0.4
0.3
0.2
0.1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
38-Sr-88

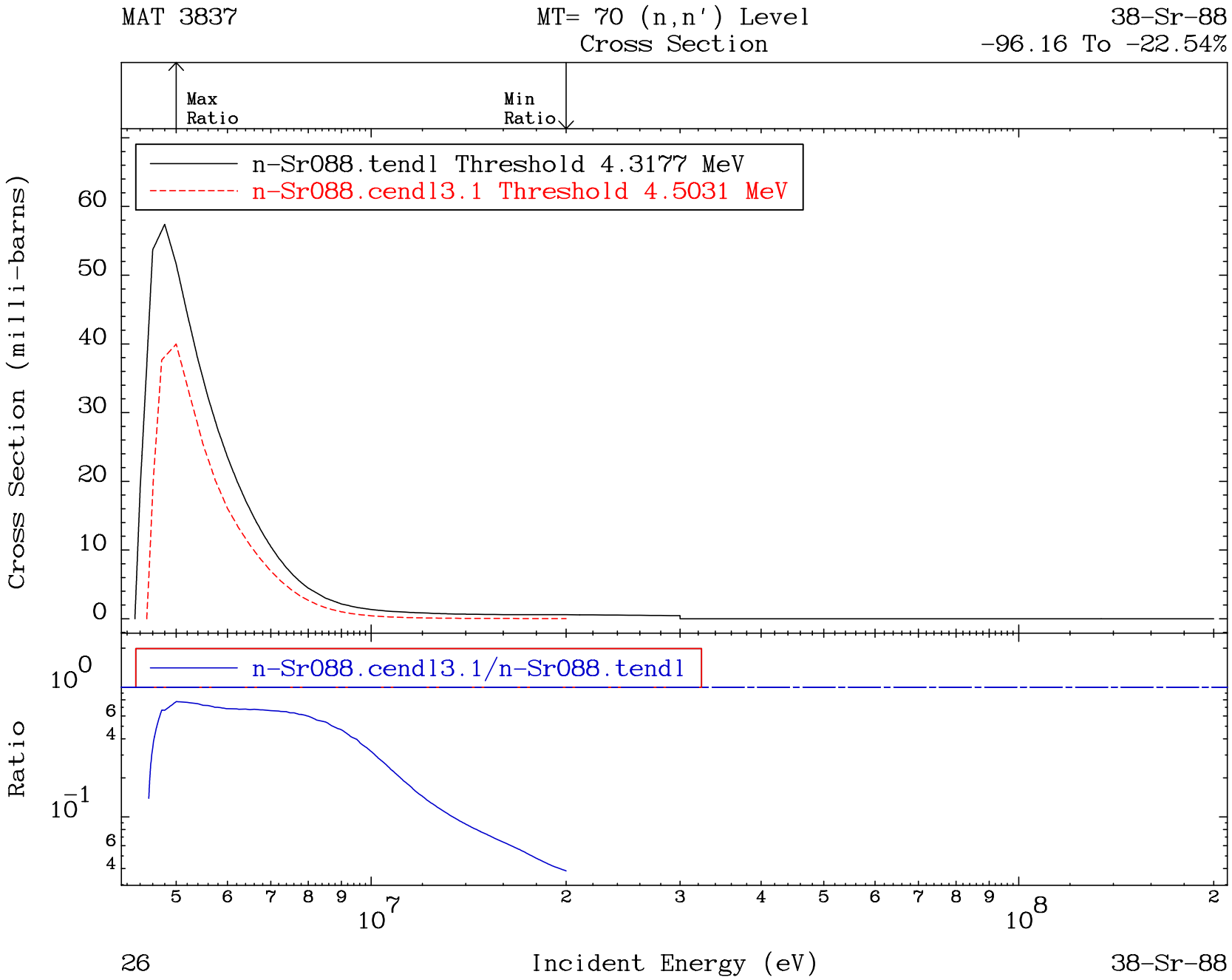

MAT 3837
MT= 65 (n,n') Level
Cross Section
38-Sr-88
-45.23 To 1258. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2183 MeV
n-Sr088.cendl3.1 Threshold 4.2757 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^1
10^0
6
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
38-Sr-88

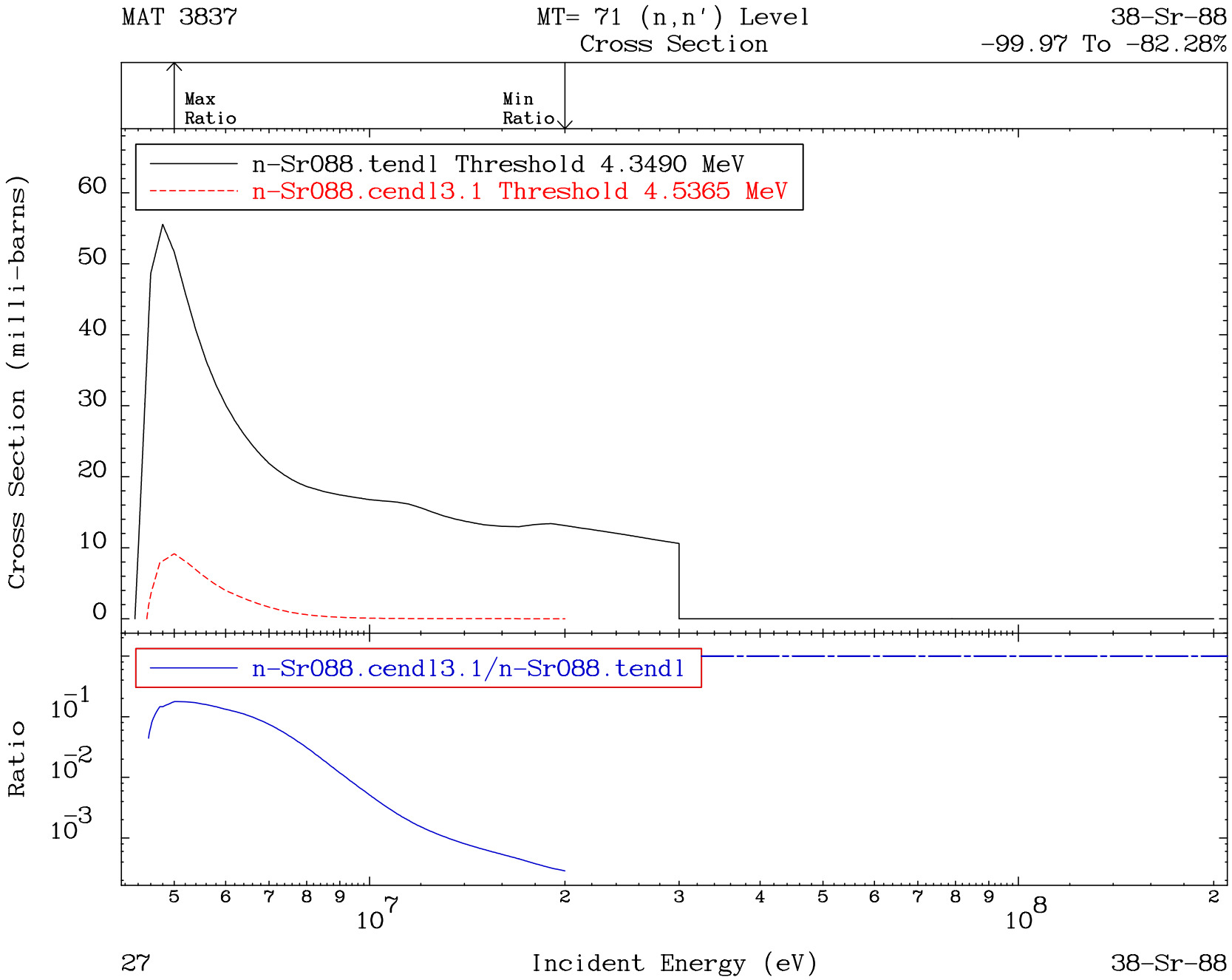

MAT 3837
MT= 66 (n,n') Level
Cross Section
38-Sr-88
90.95 To 2001. %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2457 MeV
n-Sr088.cendl3.1 Threshold 4.3177 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^1
4
2
6
4
2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
38-Sr-88

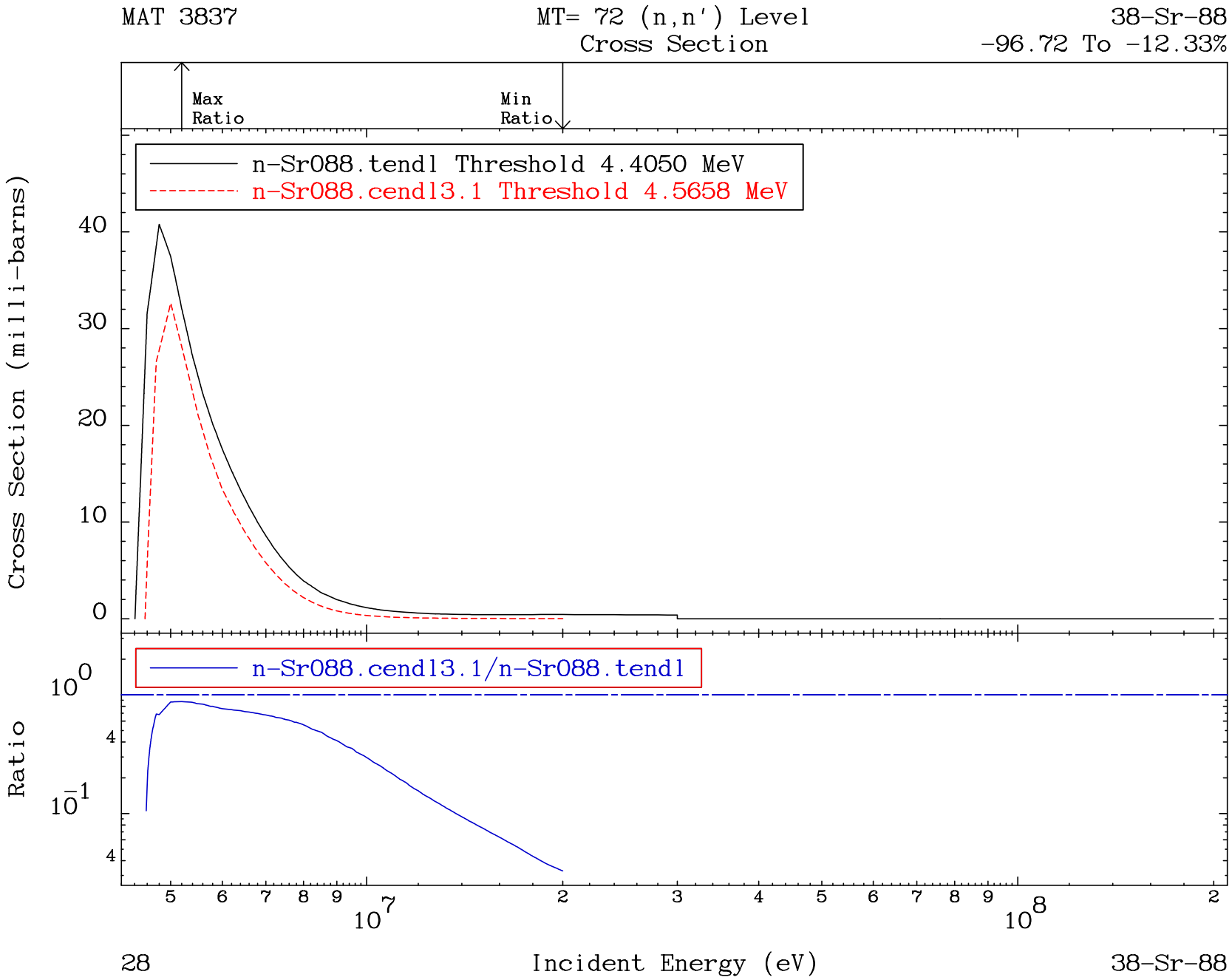

MAT 3837
MT= 67 (n,n') Level
Cross Section
38-Sr-88
-94.90 To -10.17%
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.2726 MeV
n-Sr088.cendl3.1 Threshold 4.3490 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^0
10^-1
6
4
6
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
38-Sr-88

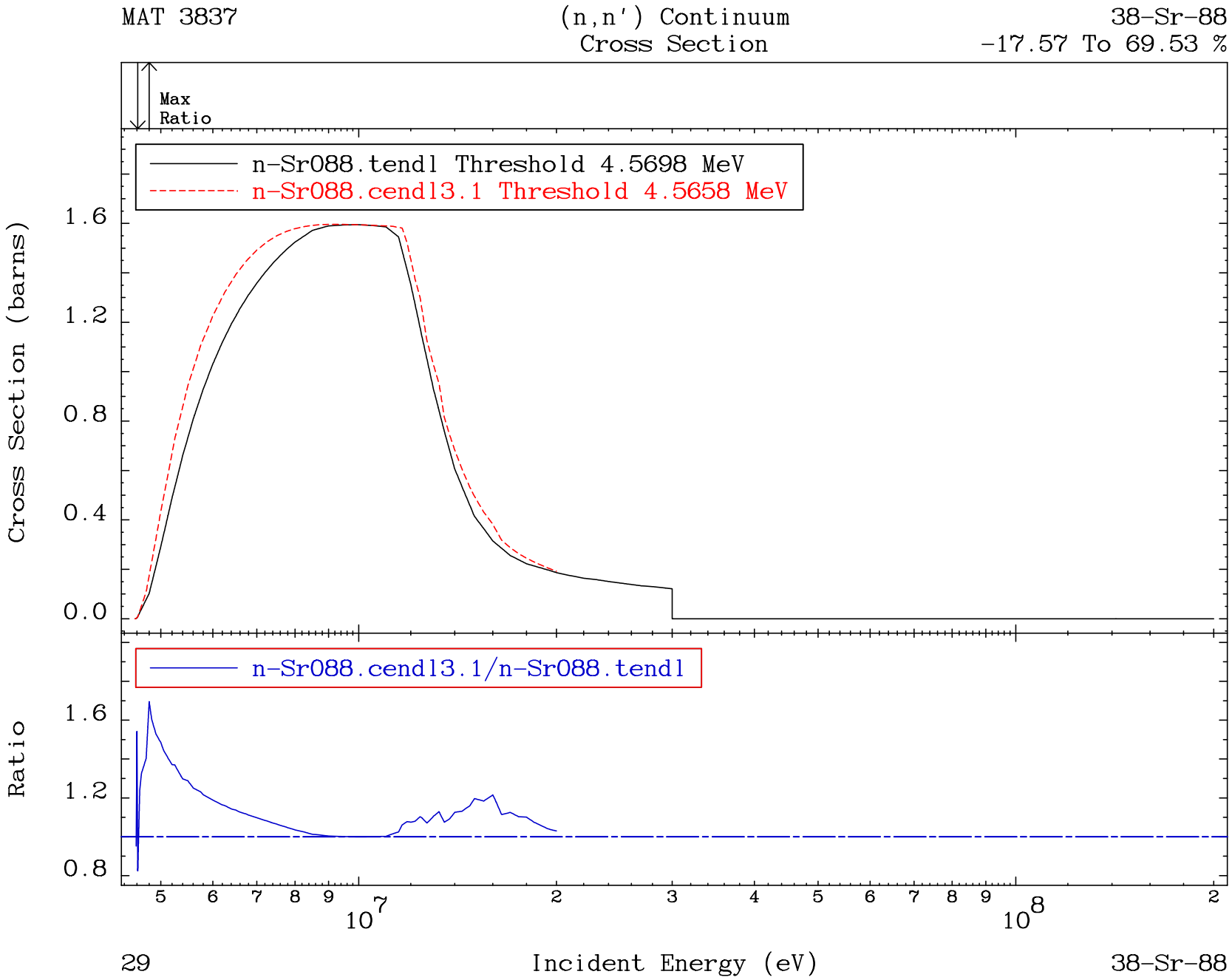

MAT 3837
MT= 68 (n,n') Level
Cross Section
38-Sr-88
-99.55 To -61.70%
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2751 MeV
n-Sr088.cendl3.1 Threshold 4.4183 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^0
10^-1
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
38-Sr-88

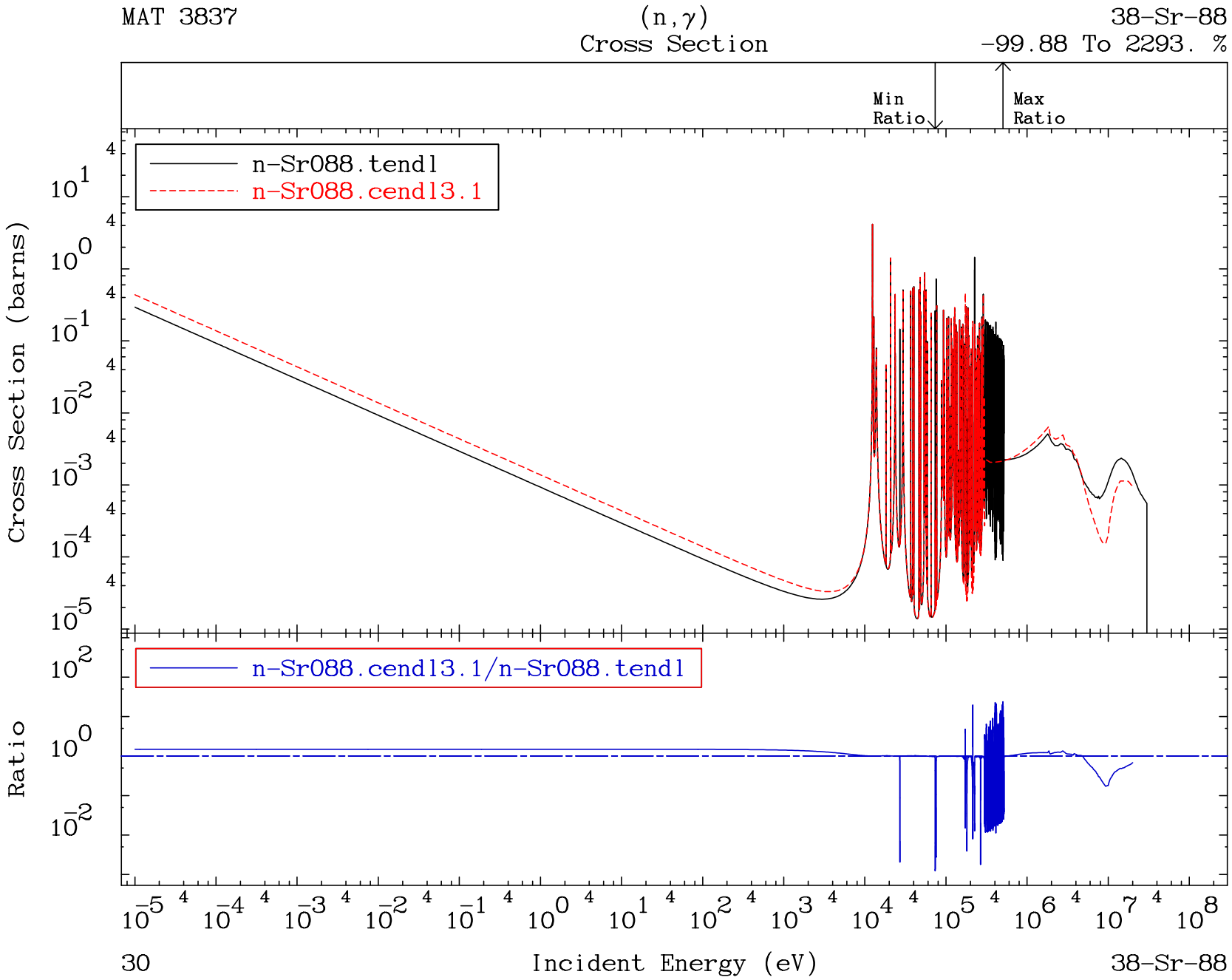

MAT 3837
MT= 69 (n,n') Level
Cross Section
38-Sr-88
-80.21 To 742.9 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 4.2967 MeV
n-Sr088.cendl3.1 Threshold 4.4645 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^1
4
10^0
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
38-Sr-88

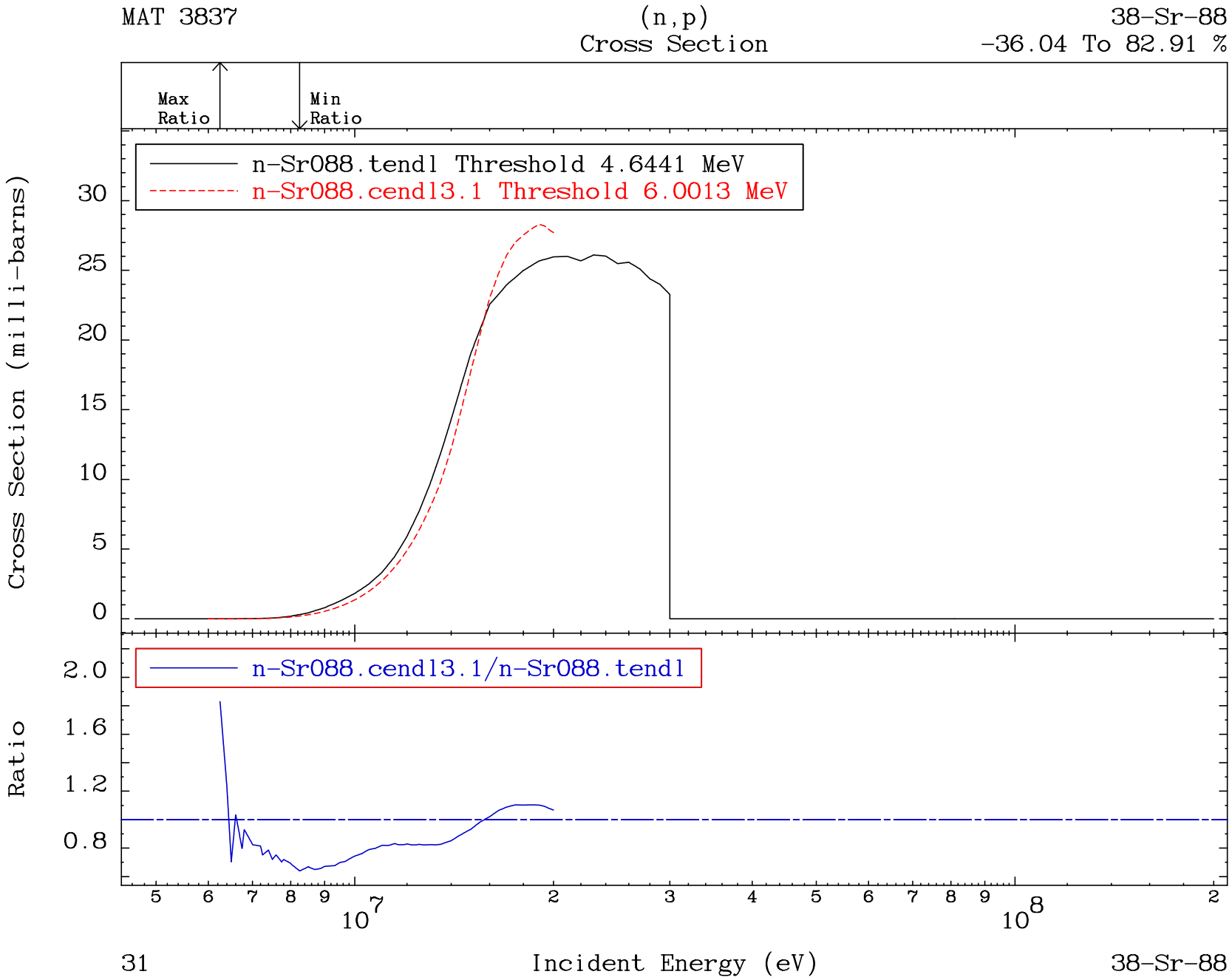

MAT 3837
MT= 70 (n,n') Level
Cross Section
38-Sr-88
-96.16 To -22.54%
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.3177 MeV
n-Sr088.cendl3.1 Threshold 4.5031 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^0
10^-1
6
4
6
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
38-Sr-88

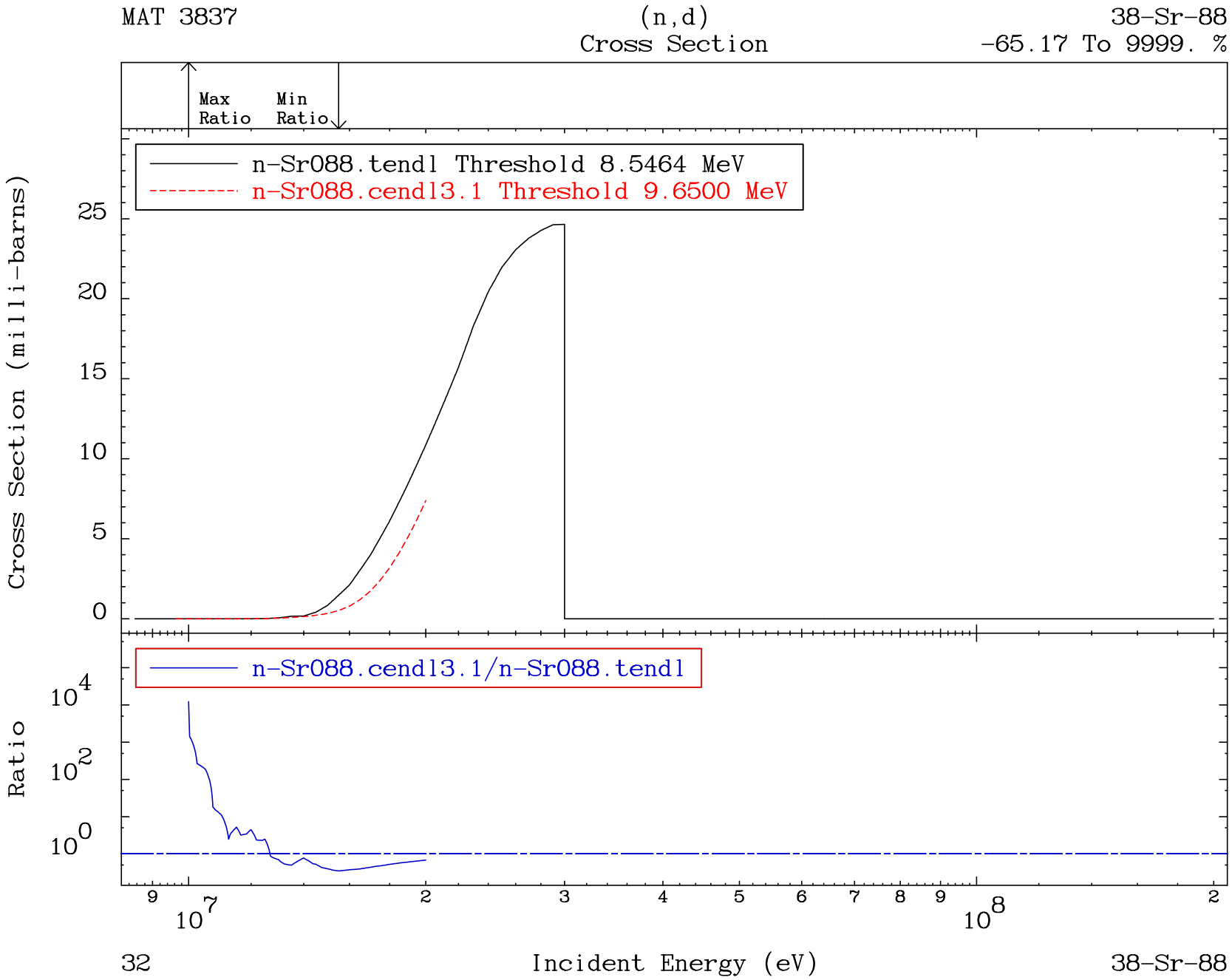

MAT 3837
MT= 71 (n,n') Level
Cross Section
38-Sr-88
-99.97 To -82.28%
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.3490 MeV
n-Sr088.cendl3.1 Threshold 4.5365 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10-1
10-2
10-3
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
38-Sr-88

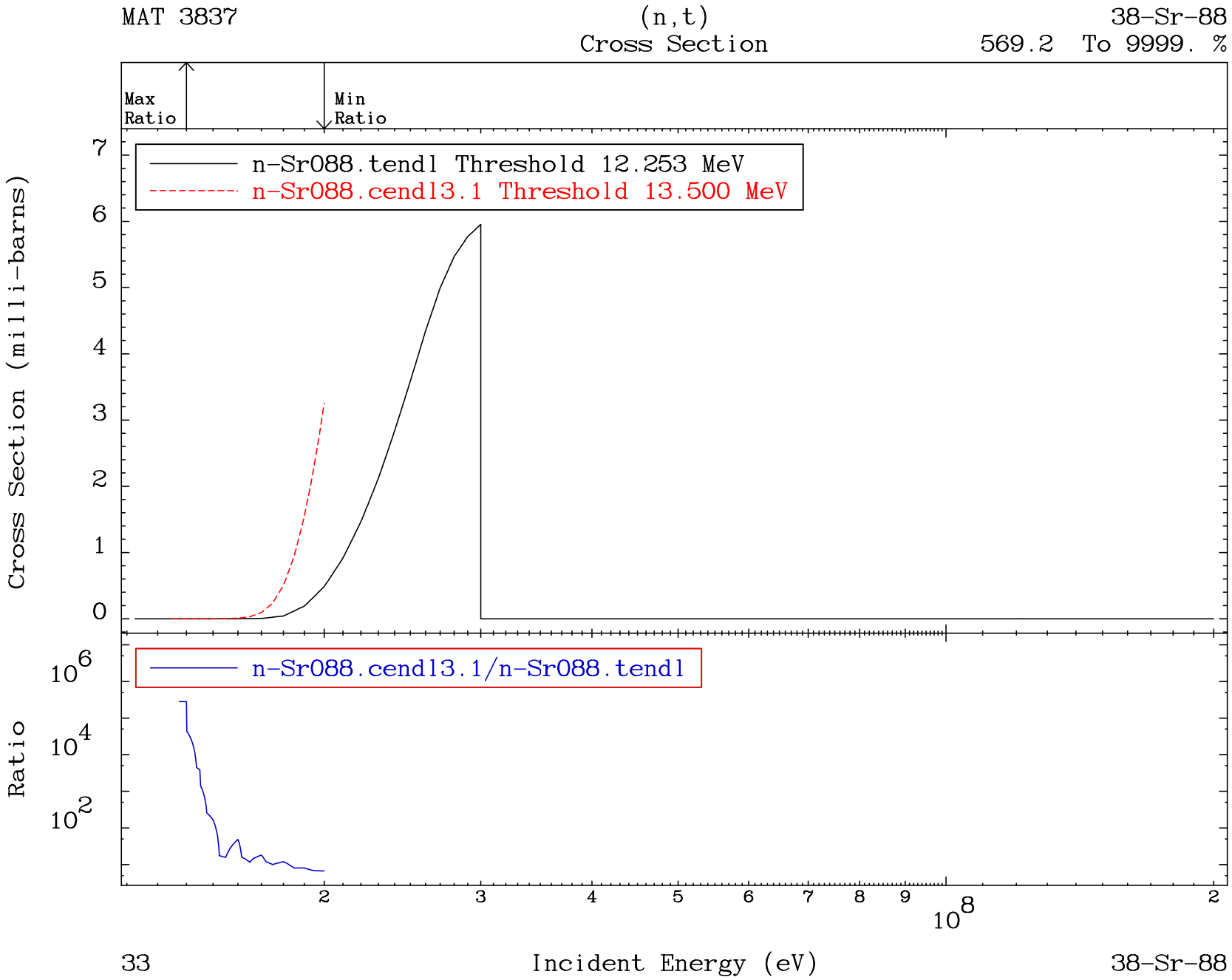

MAT 3837
MT= 72 (n,n') Level
Cross Section
38-Sr-88
-96.72 To -12.33%
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.4050 MeV
n-Sr088.cendl3.1 Threshold 4.5658 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^0
4
10^-1
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-88

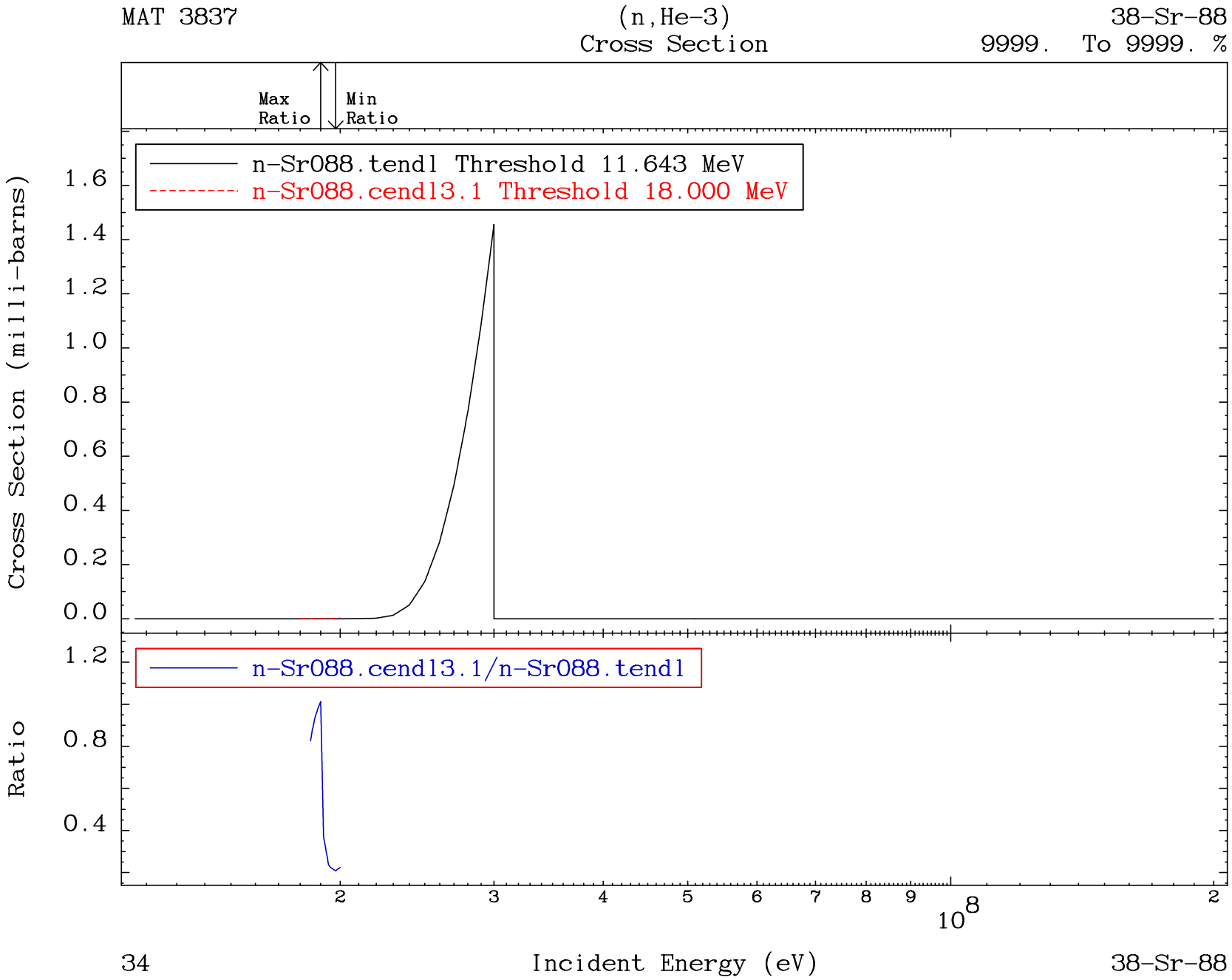

MAT 3837
(n,n') Continuum
Cross Section
38-Sr-88
-17.57 To 69.53 %
Max
Ratio
n-Sr088.tendl Threshold 4.5698 MeV
n-Sr088.cendl3.1 Threshold 4.5658 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.6
1.2
0.8
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
38-Sr-88

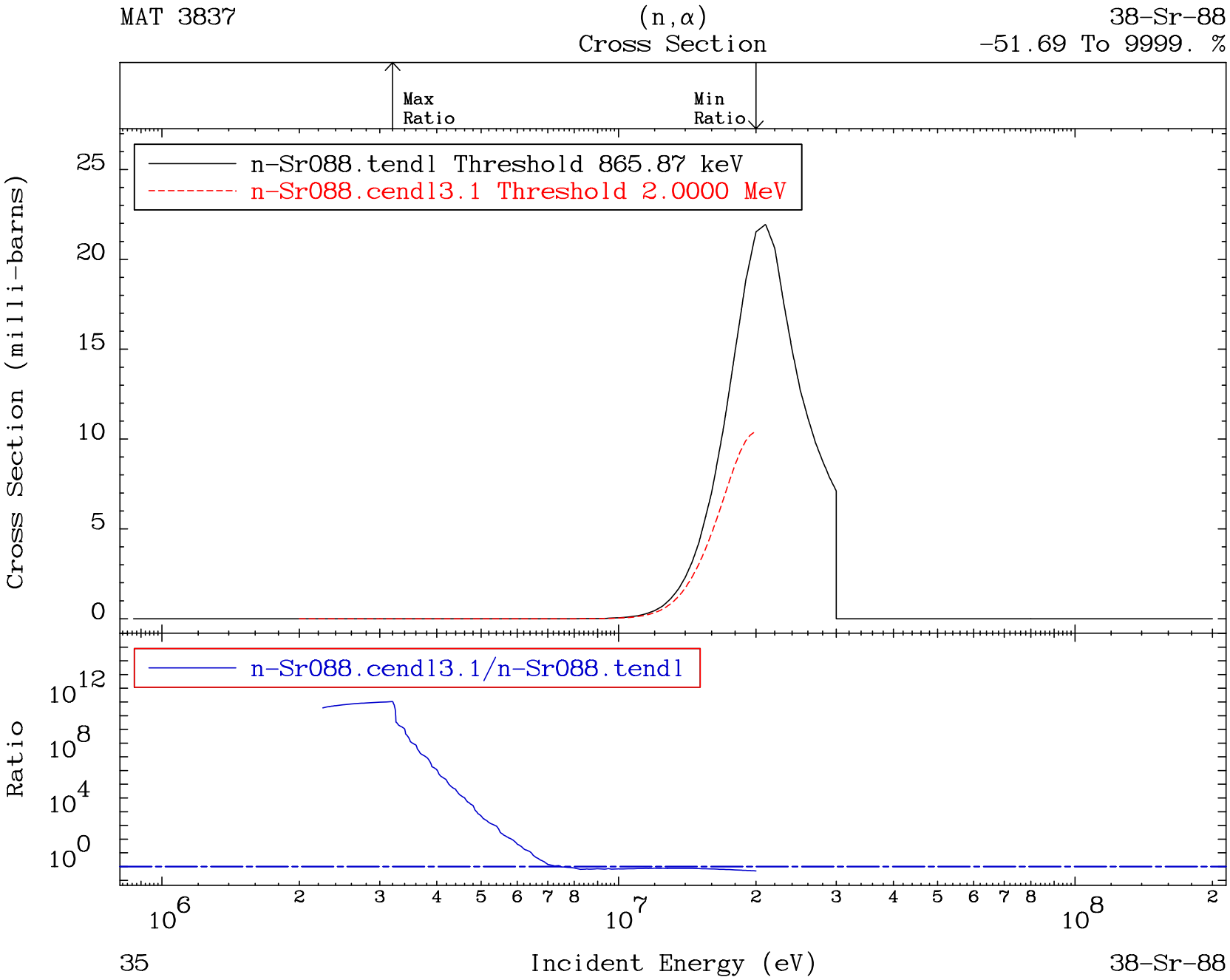

MAT 3837
(n,γ)
Cross Section
38-Sr-88
-99.88 To 2293. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
30
38-Sr-88

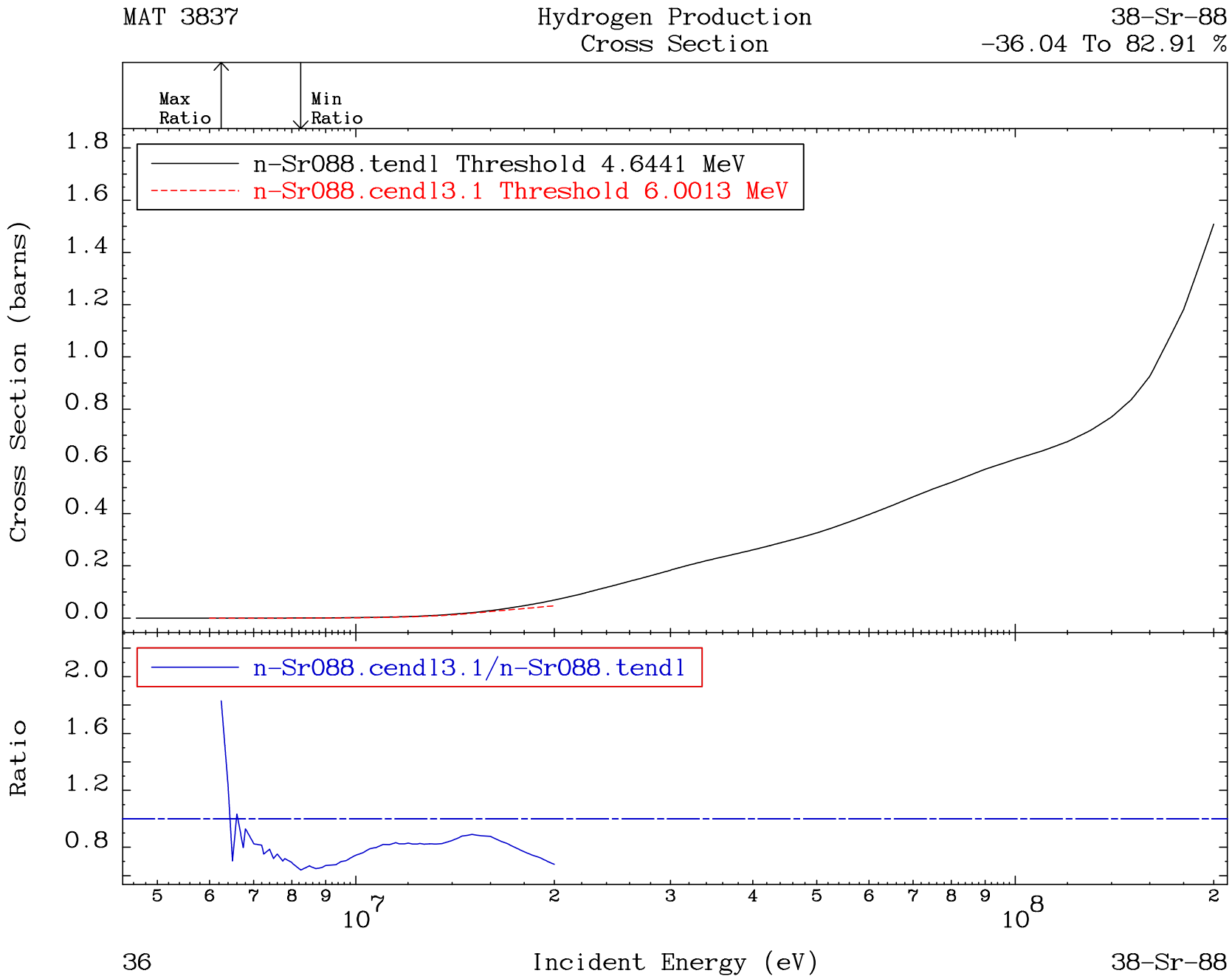

MAT 3837
(n,p)
Cross Section
38-Sr-88
-36.04 To 82.91 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.6441 MeV
n-Sr088.cendl3.1 Threshold 6.0013 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
2.0
1.6
1.2
0.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
38-Sr-88

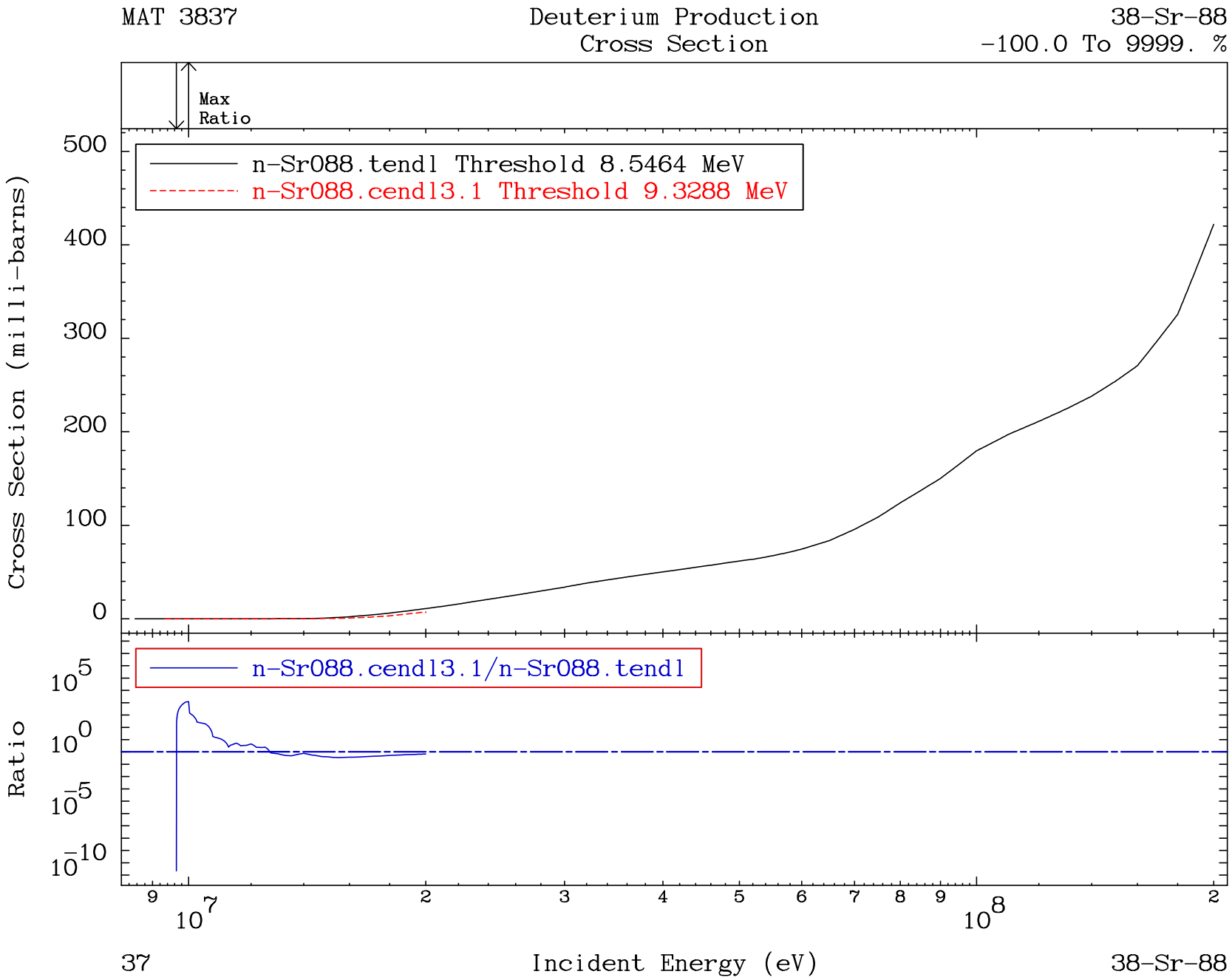

MAT 3837
(n,d)
Cross Section
38-Sr-88
-65.17 To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 8.5464 MeV
n-Sr088.cendl3.1 Threshold 9.6500 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
38-Sr-88

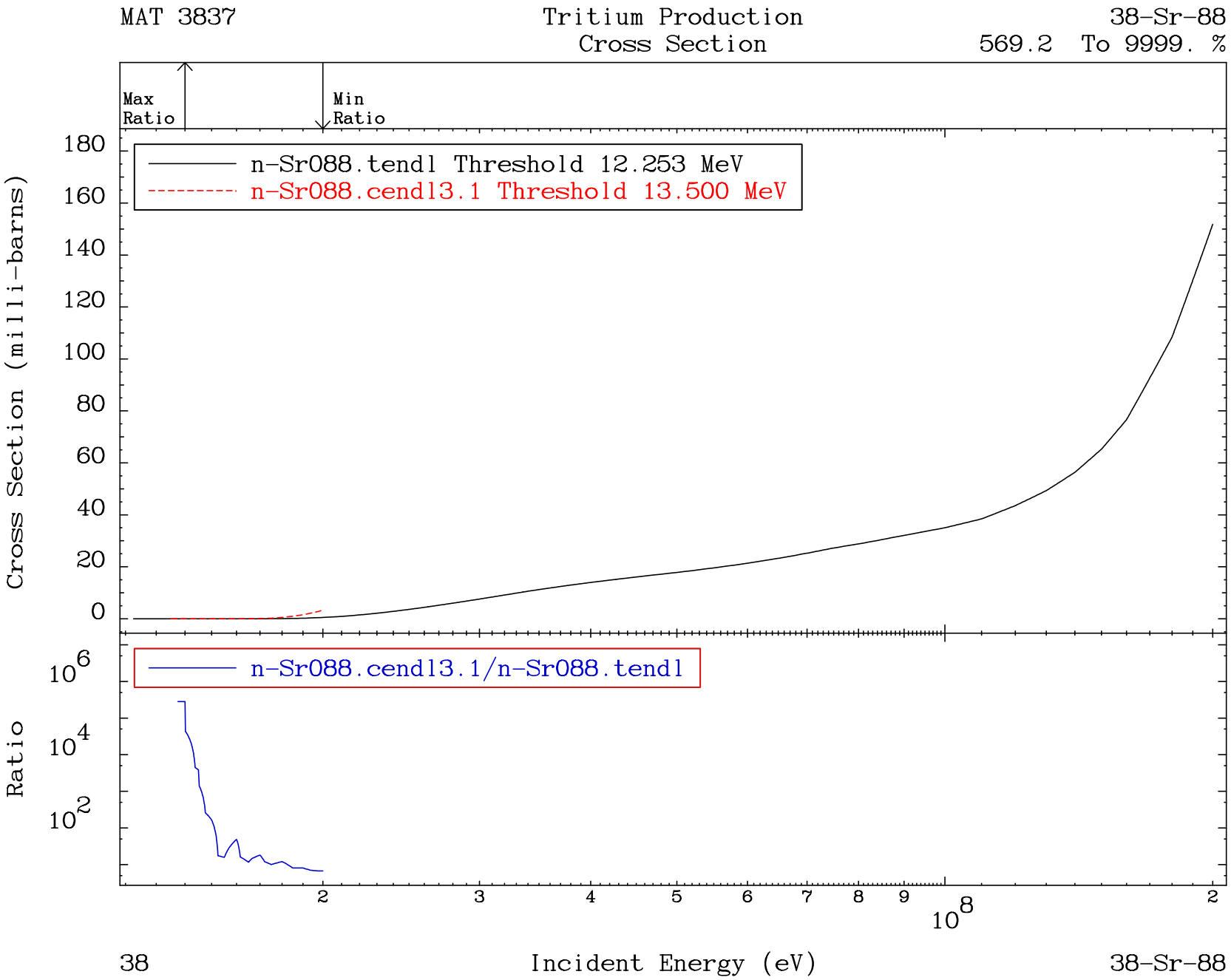

MAT 3837
(n,t)
Cross Section
38-Sr-88
569.2 To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 12.253 MeV
n-Sr088.cendl3.1 Threshold 13.500 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^6
10^4
10^2
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
38-Sr-88

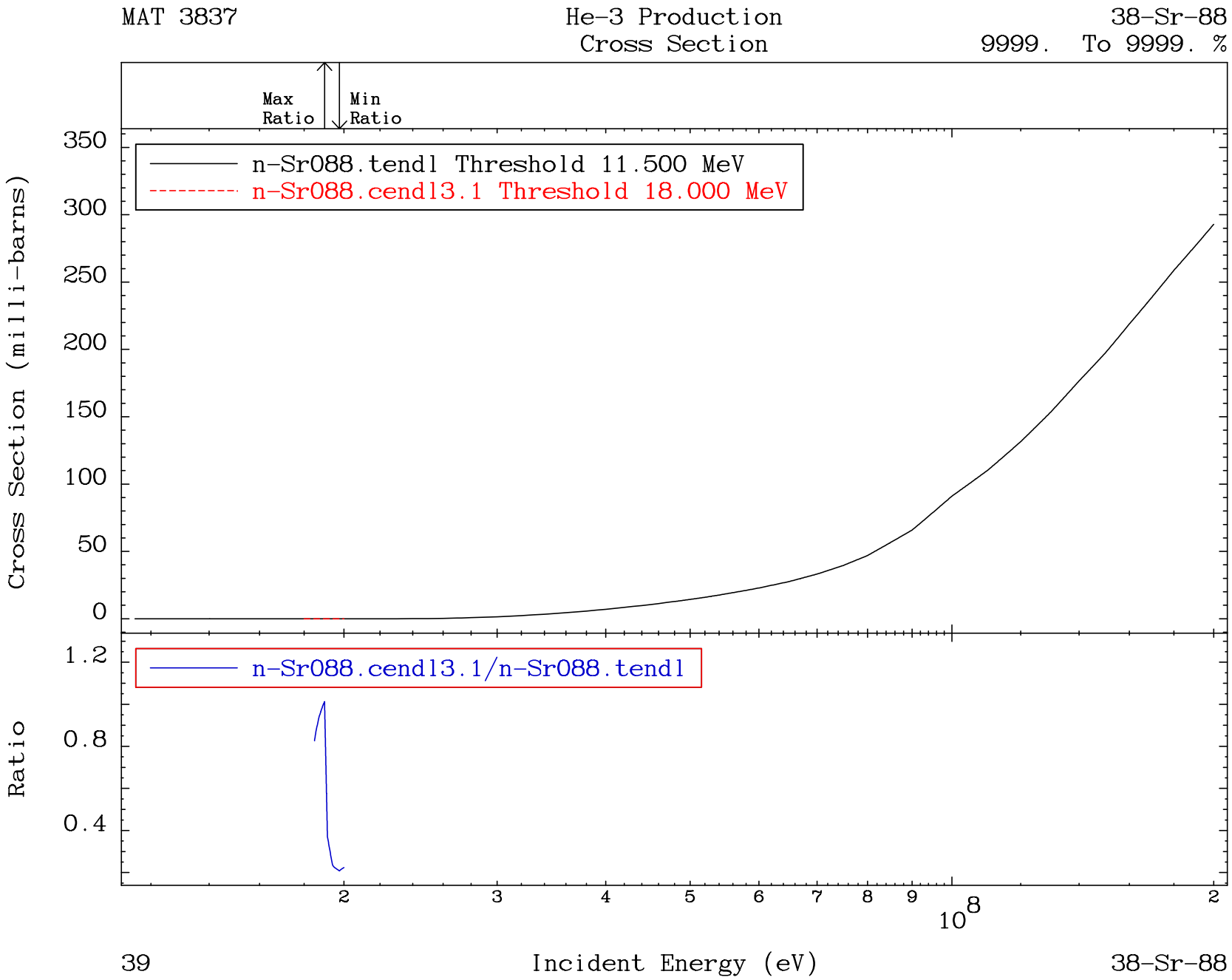

MAT 3837
(n,He-3)
Cross Section
38-Sr-88
9999. To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 11.643 MeV
n-Sr088.cendl3.1 Threshold 18.000 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
38-Sr-88

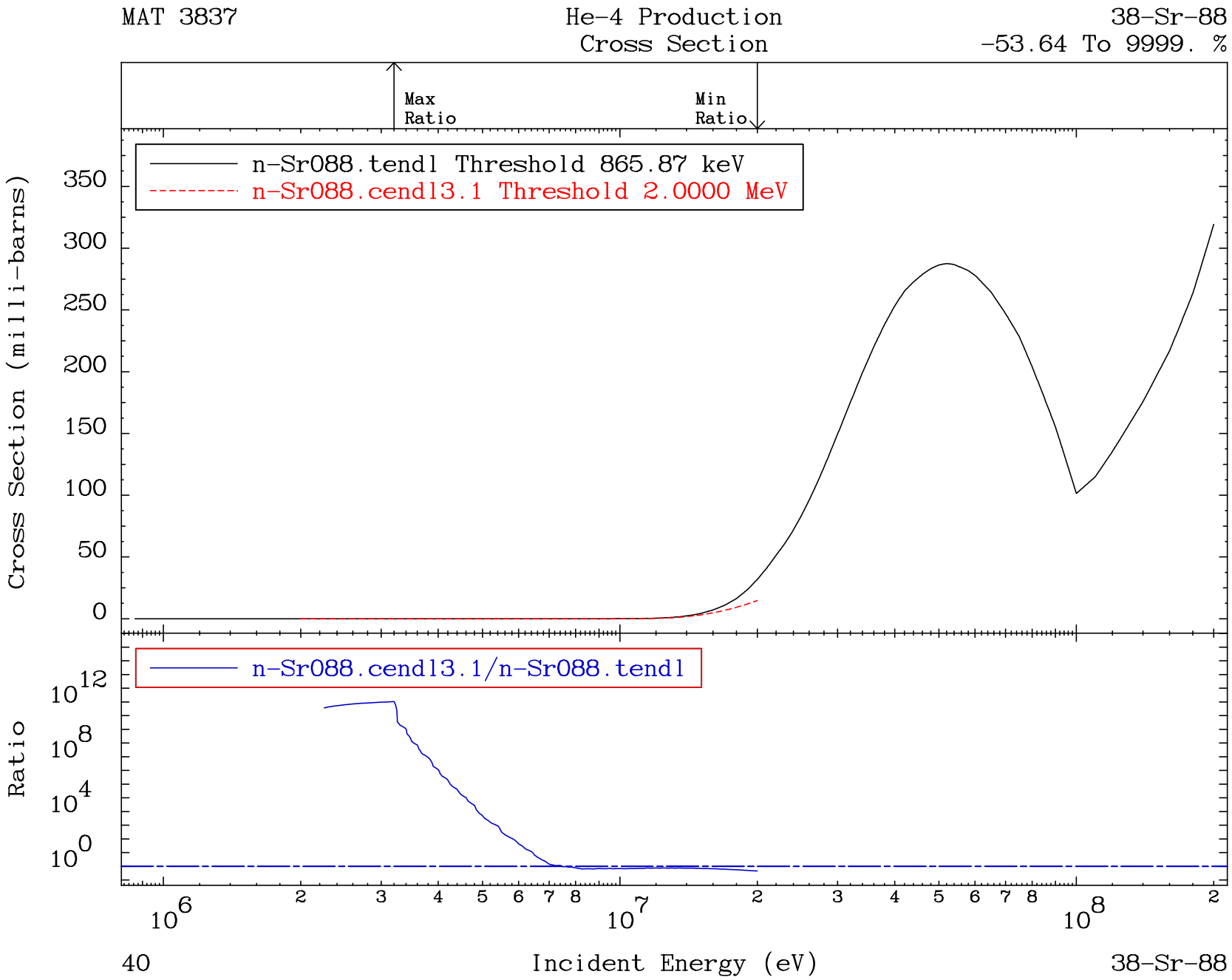

MAT 3837
(n,α)
Cross Section
38-Sr-88
-51.69 To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 865.87 keV
n-Sr088.cendl3.1 Threshold 2.0000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^12
10^8
10^4
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
38-Sr-88

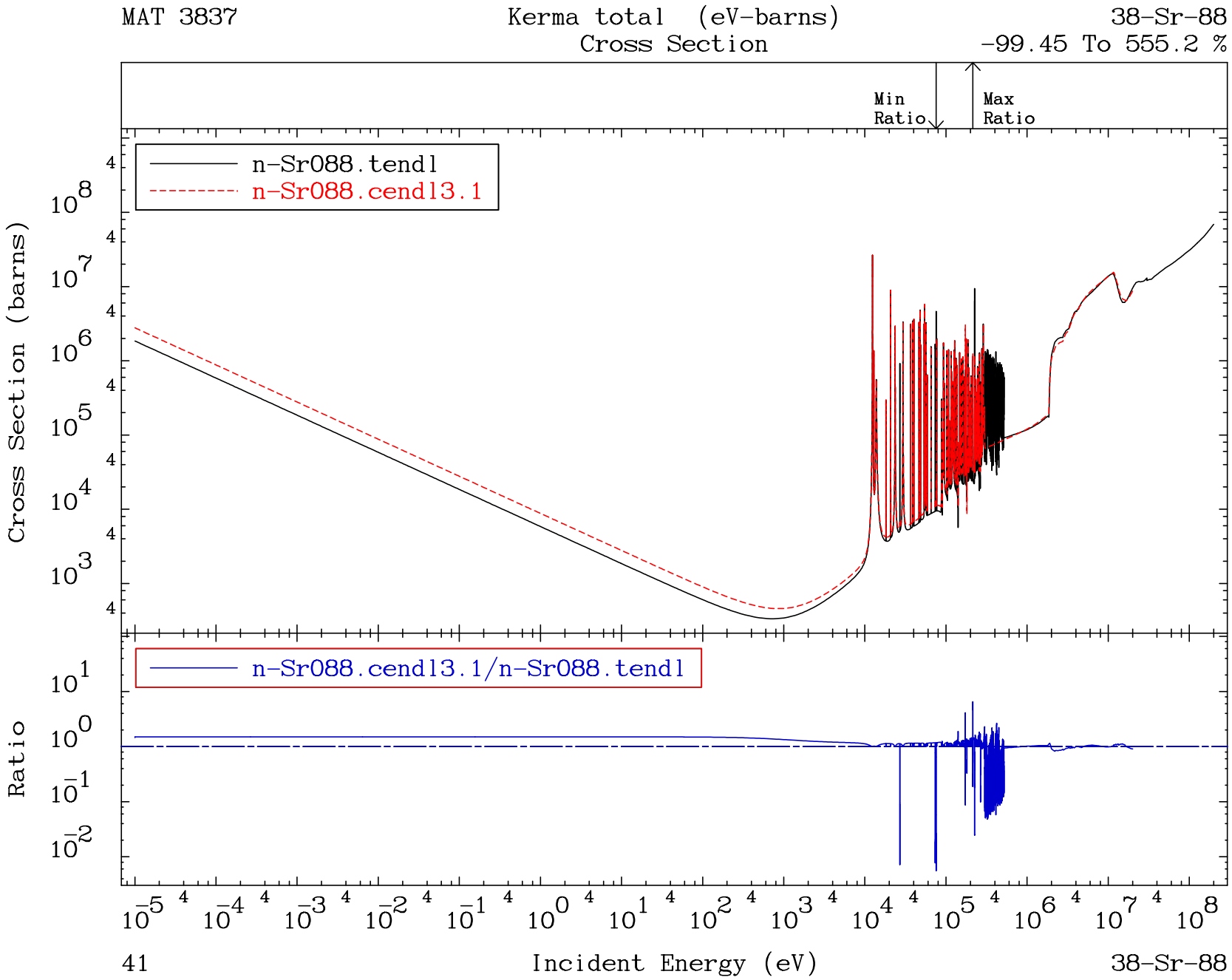

MAT 3837
Hydrogen Production
Cross Section
38-Sr-88
-36.04 To 82.91 %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 4.6441 MeV
n-Sr088.cendl3.1 Threshold 6.0013 MeV
Cross Section (barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
2.0
1.6
1.2
0.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
38-Sr-88

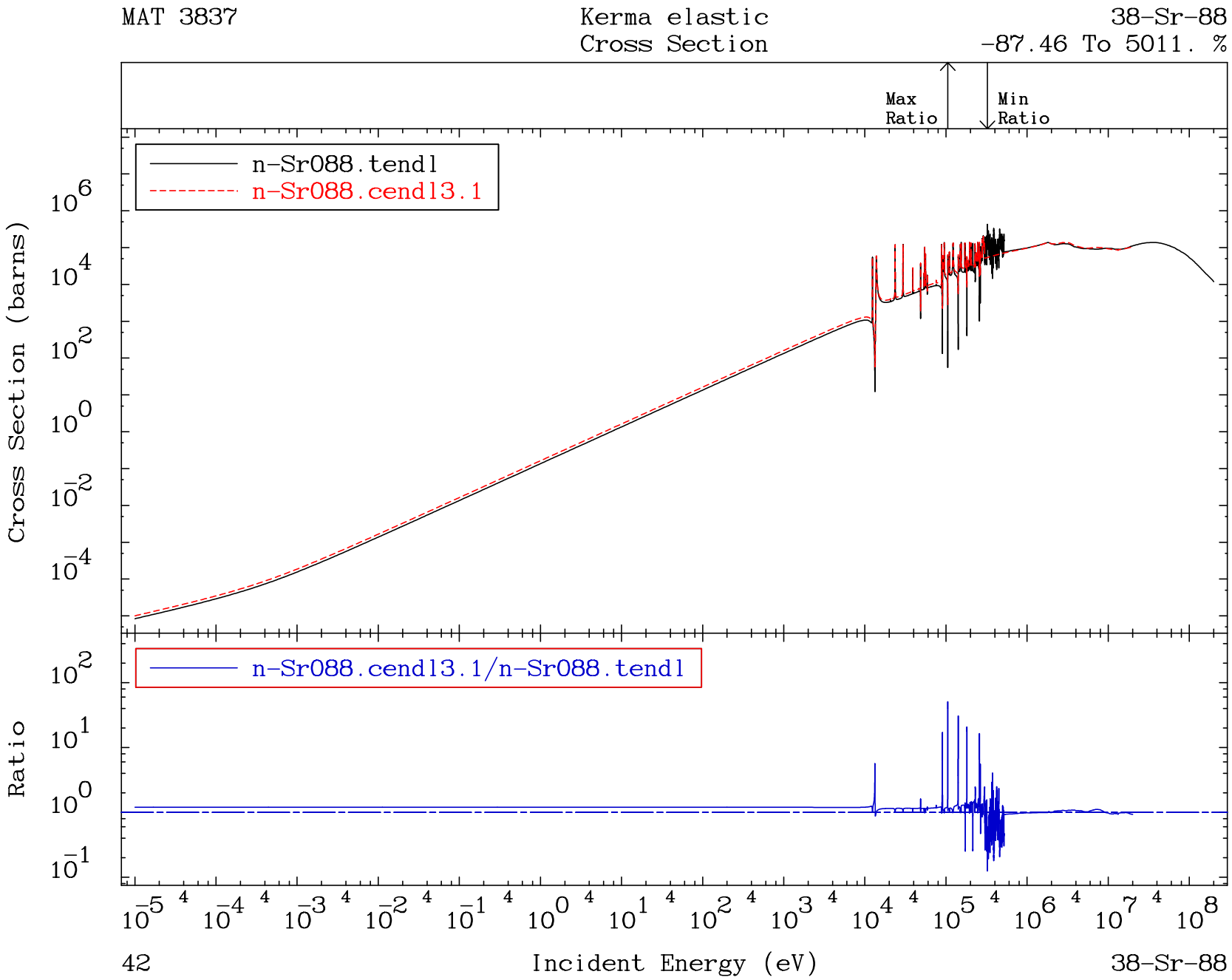

MAT 3837
Deuterium Production
Cross Section
38-Sr-88
-100.0 To 9999. %
Max
Ratio
n-Sr088.tendl Threshold 8.5464 MeV
n-Sr088.cendl3.1 Threshold 9.3288 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^5
10^0
10^-5
10^-10
9
10^7
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
38-Sr-88

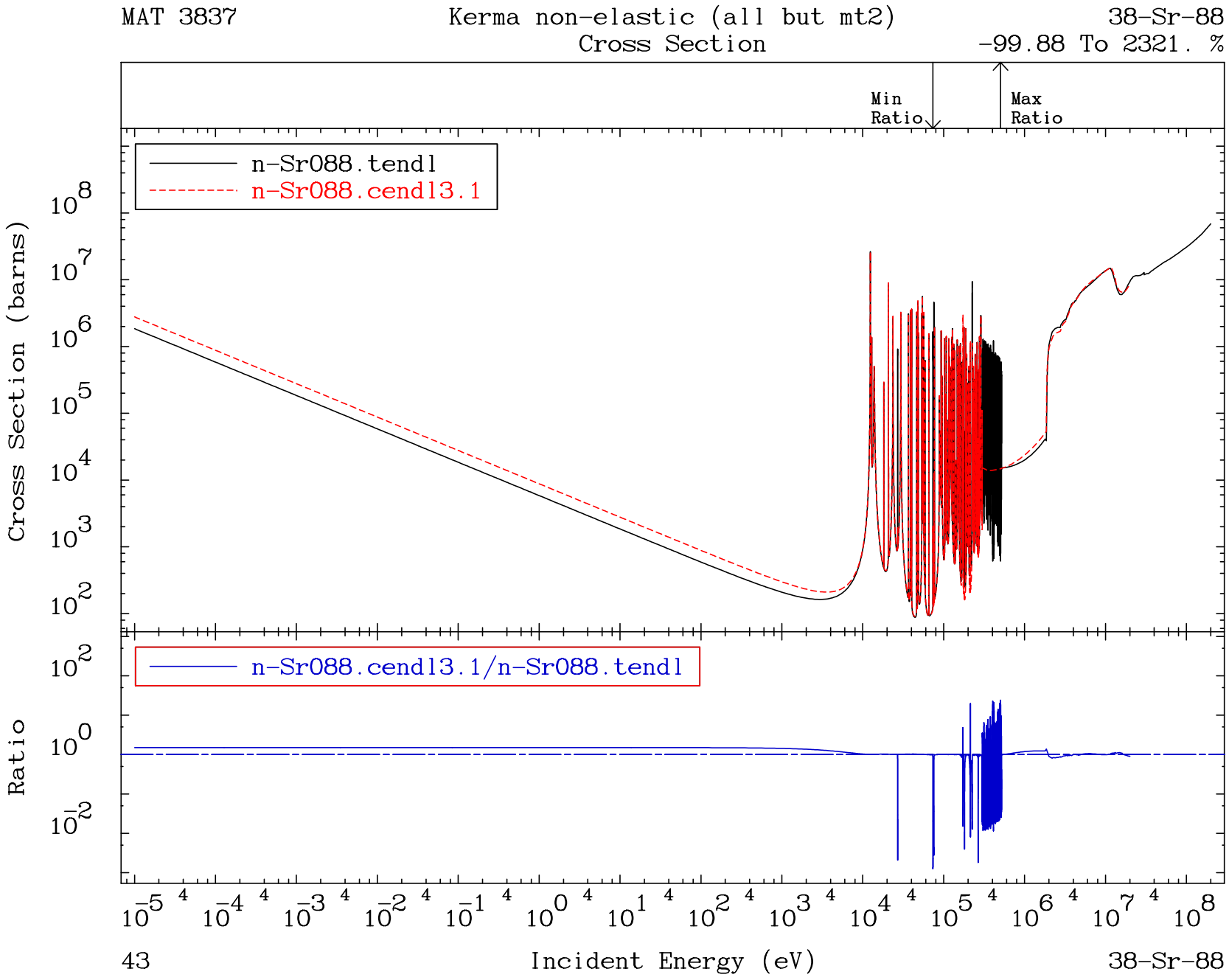

MAT 3837
Tritium Production
Cross Section
38-Sr-88
569.2 To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 12.253 MeV
n-Sr088.cendl3.1 Threshold 13.500 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^6
10^4
10^2
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
38-Sr-88

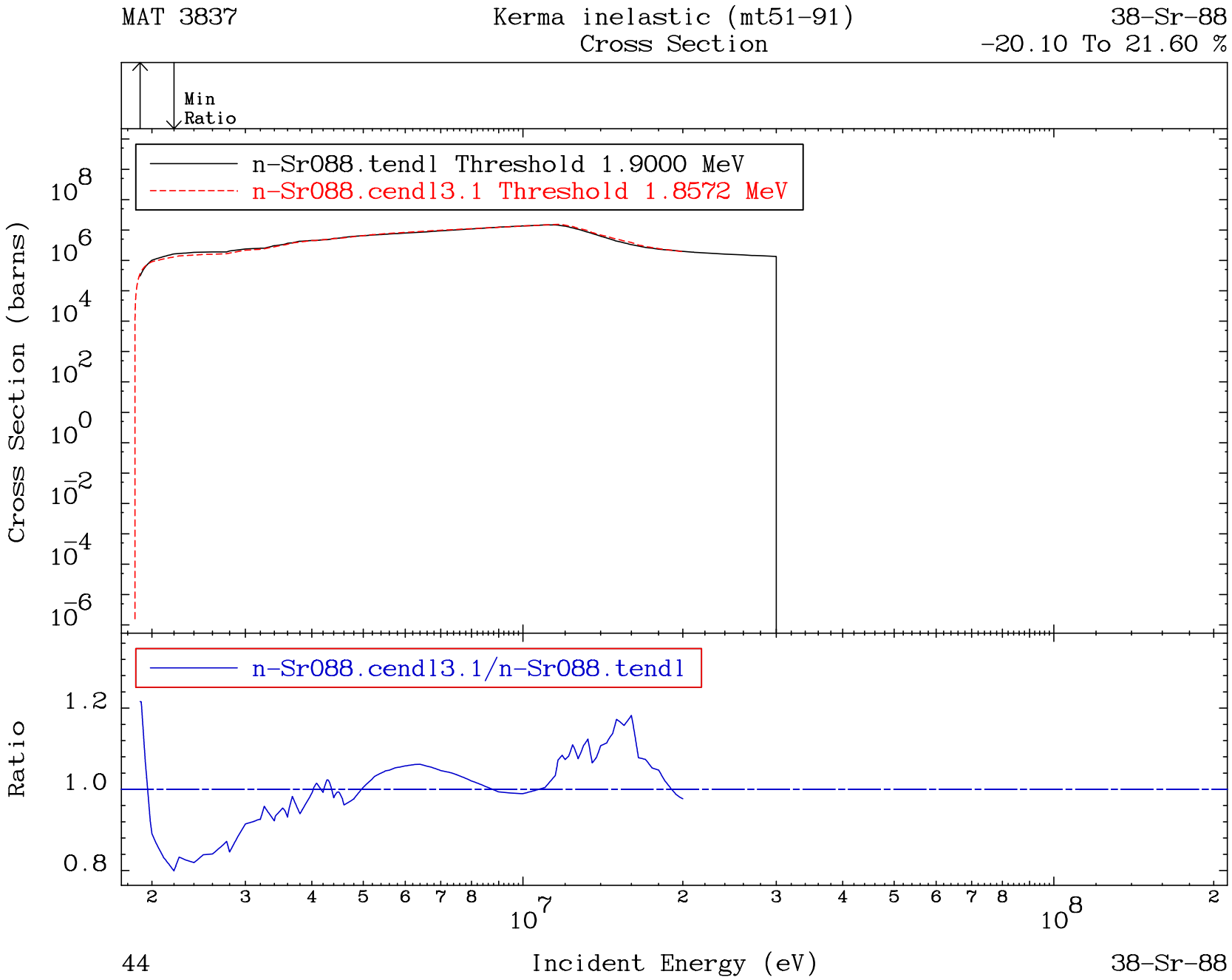

MAT 3837
He-3 Production
Cross Section
38-Sr-88
9999. To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 11.500 MeV
n-Sr088.cendl3.1 Threshold 18.000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
38-Sr-88

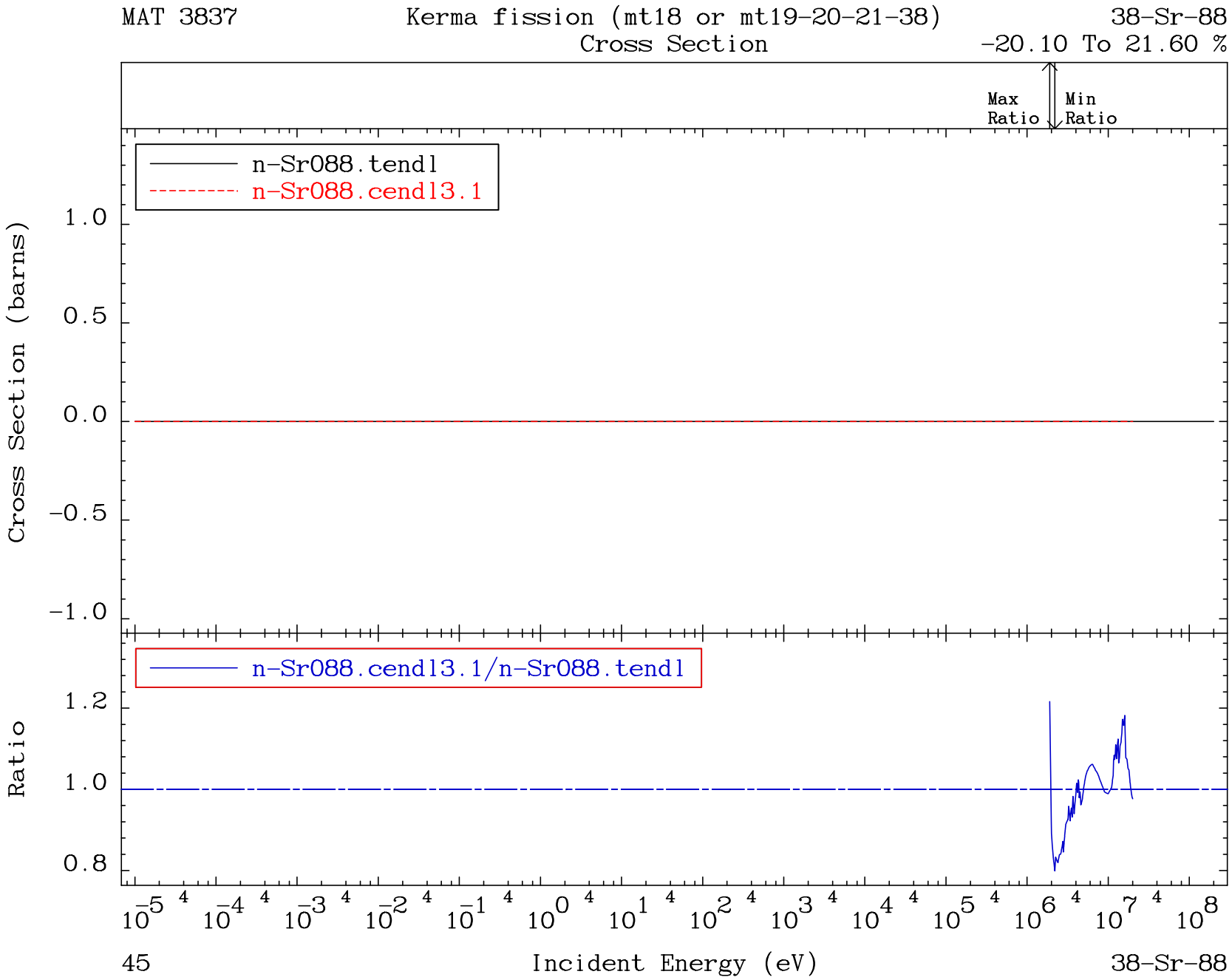

MAT 3837
He-4 Production
Cross Section
38-Sr-88
-53.64 To 9999. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 865.87 keV
n-Sr088.cendl3.1 Threshold 2.0000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^12
10^8
10^4
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
38-Sr-88

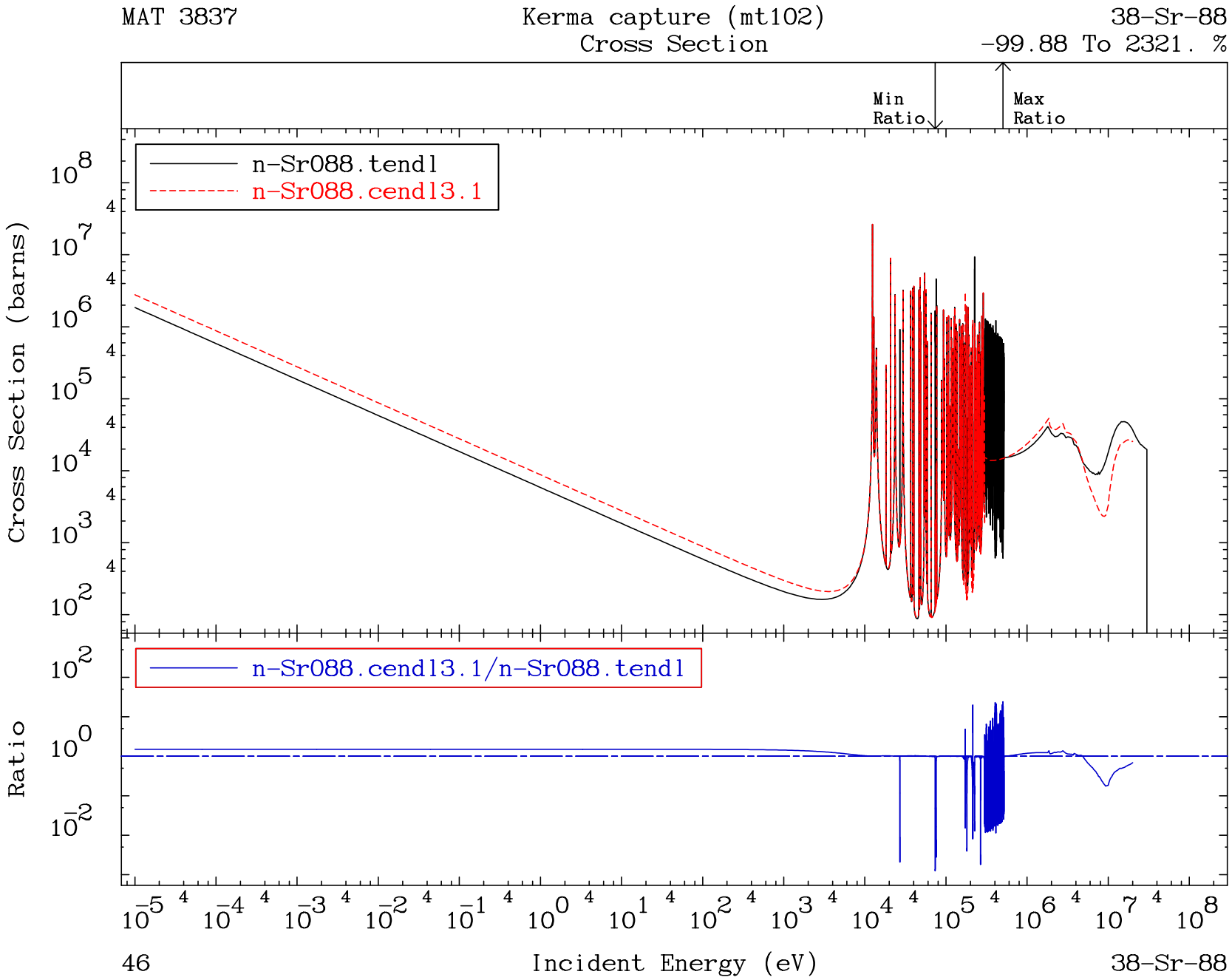

MAT 3837
Kerma total (eV-barns)
Cross Section
38-Sr-88
-99.45 To 555.2 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
41
38-Sr-88

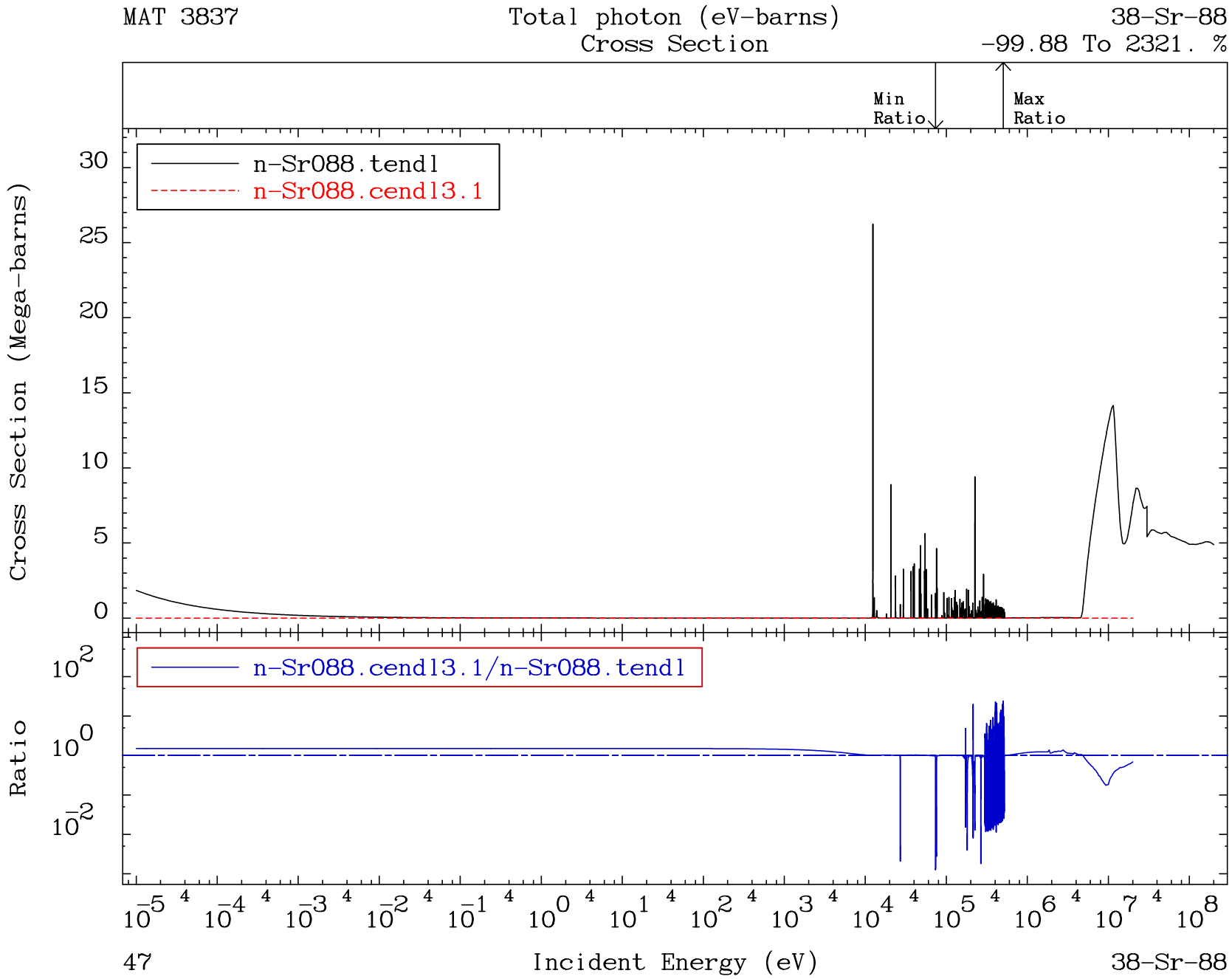

MAT 3837
Kerma elastic
Cross Section
38-Sr-88
-87.46 To 5011. %
Max Ratio
Min Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
42
38-Sr-88

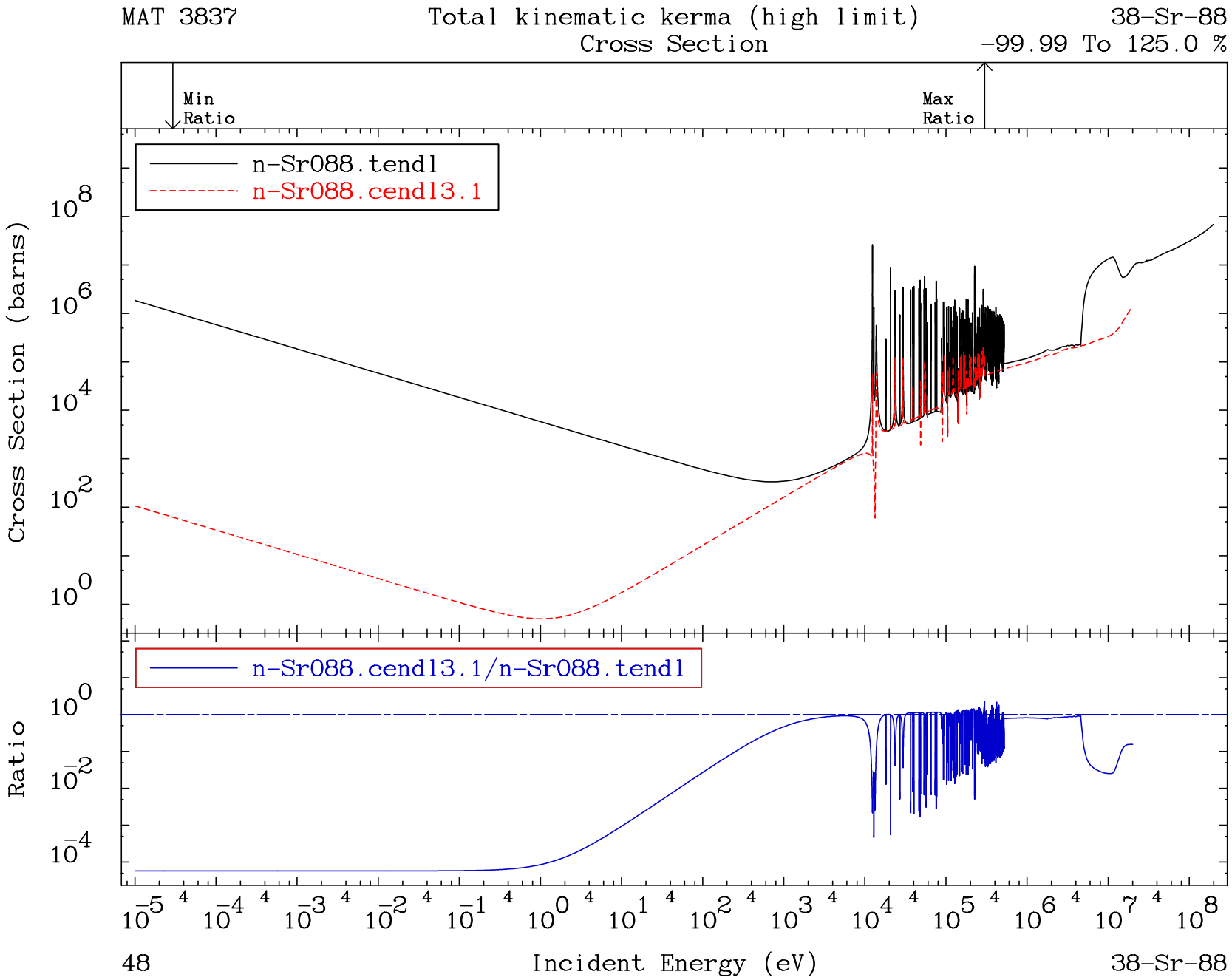

MAT 3837
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-88
-99.88 To 2321. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
43
38-Sr-88

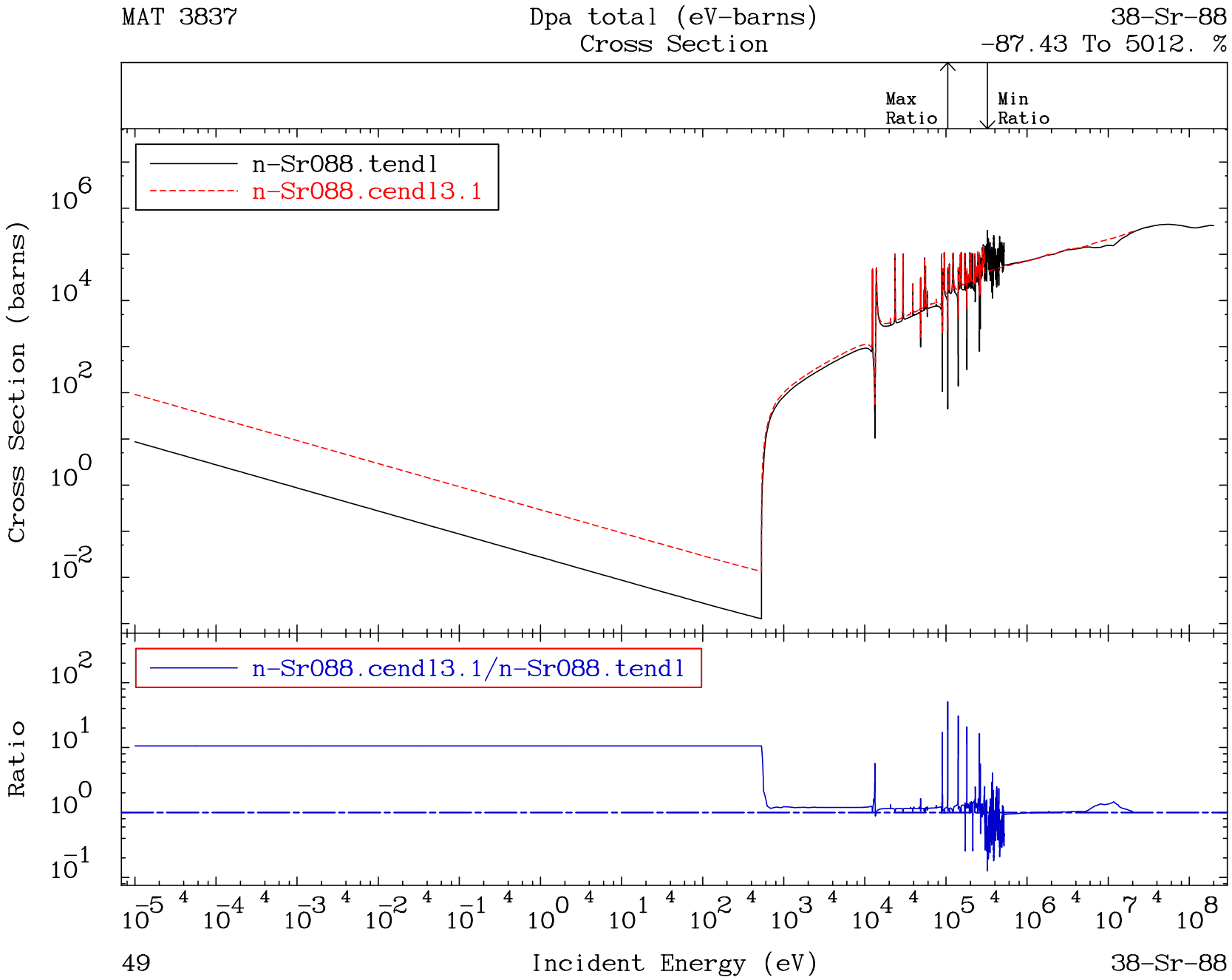

MAT 3837
Kerma inelastic (mt51-91)
Cross Section
38-Sr-88
-20.10 To 21.60 %
Min
Ratio
n-Sr088.tendl Threshold 1.9000 MeV
n-Sr088.cendl3.1 Threshold 1.8572 MeV
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
44
38-Sr-88

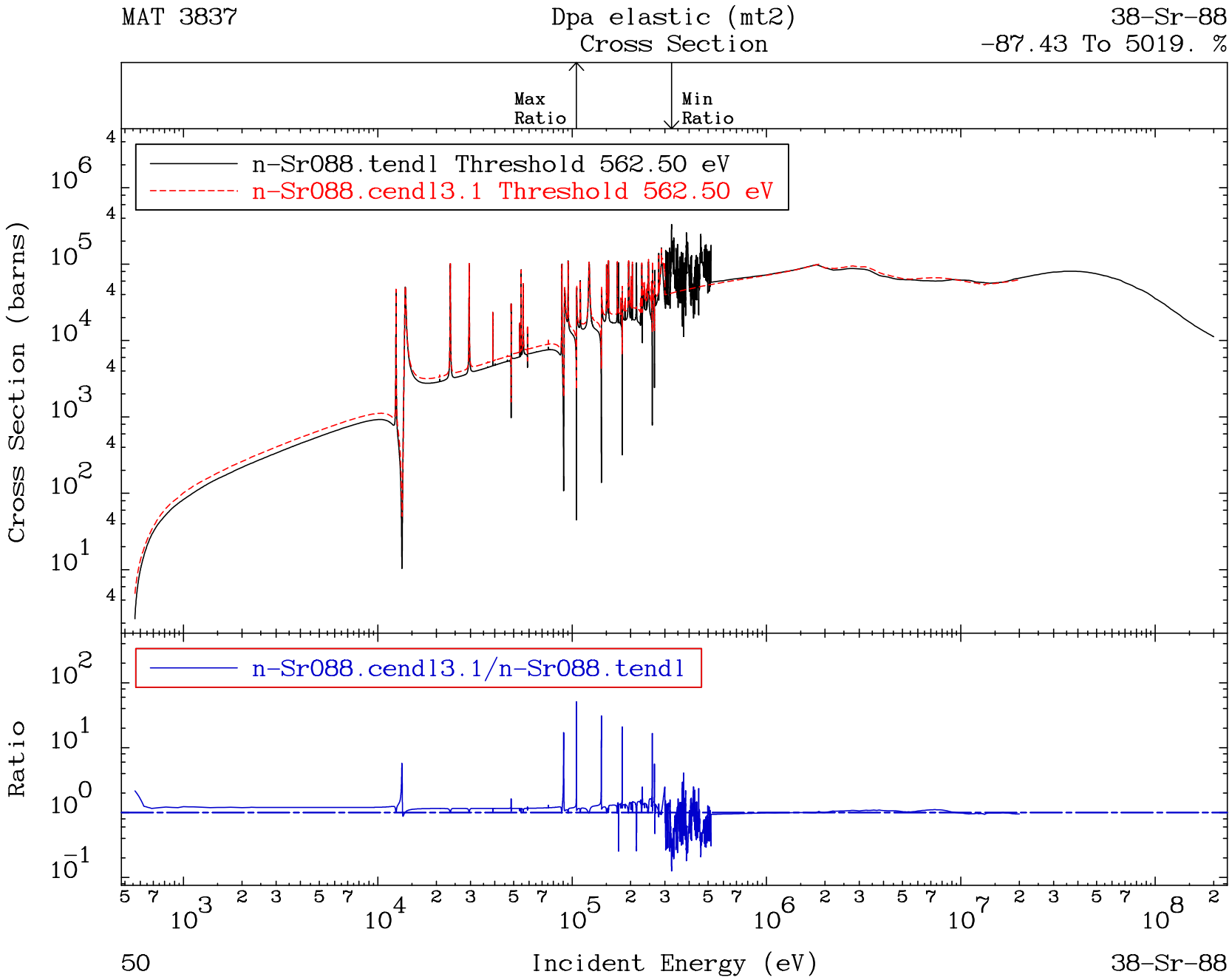

MAT 3837
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-88
-20.10 To 21.60 %
Max Ratio
Min Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
38-Sr-88

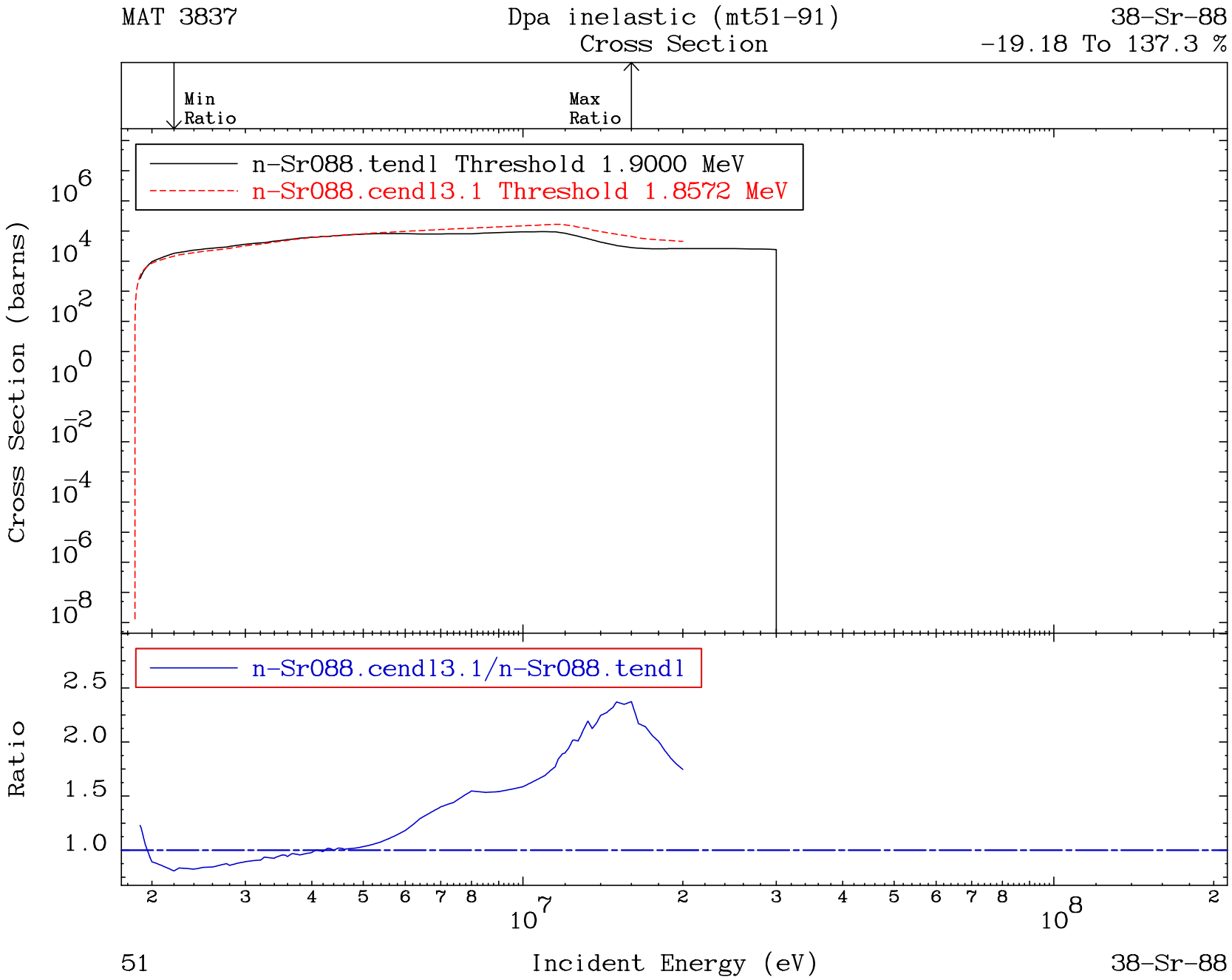

MAT 3837
Kerma capture (mt102)
Cross Section
38-Sr-88
-99.88 To 2321. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
46
38-Sr-88

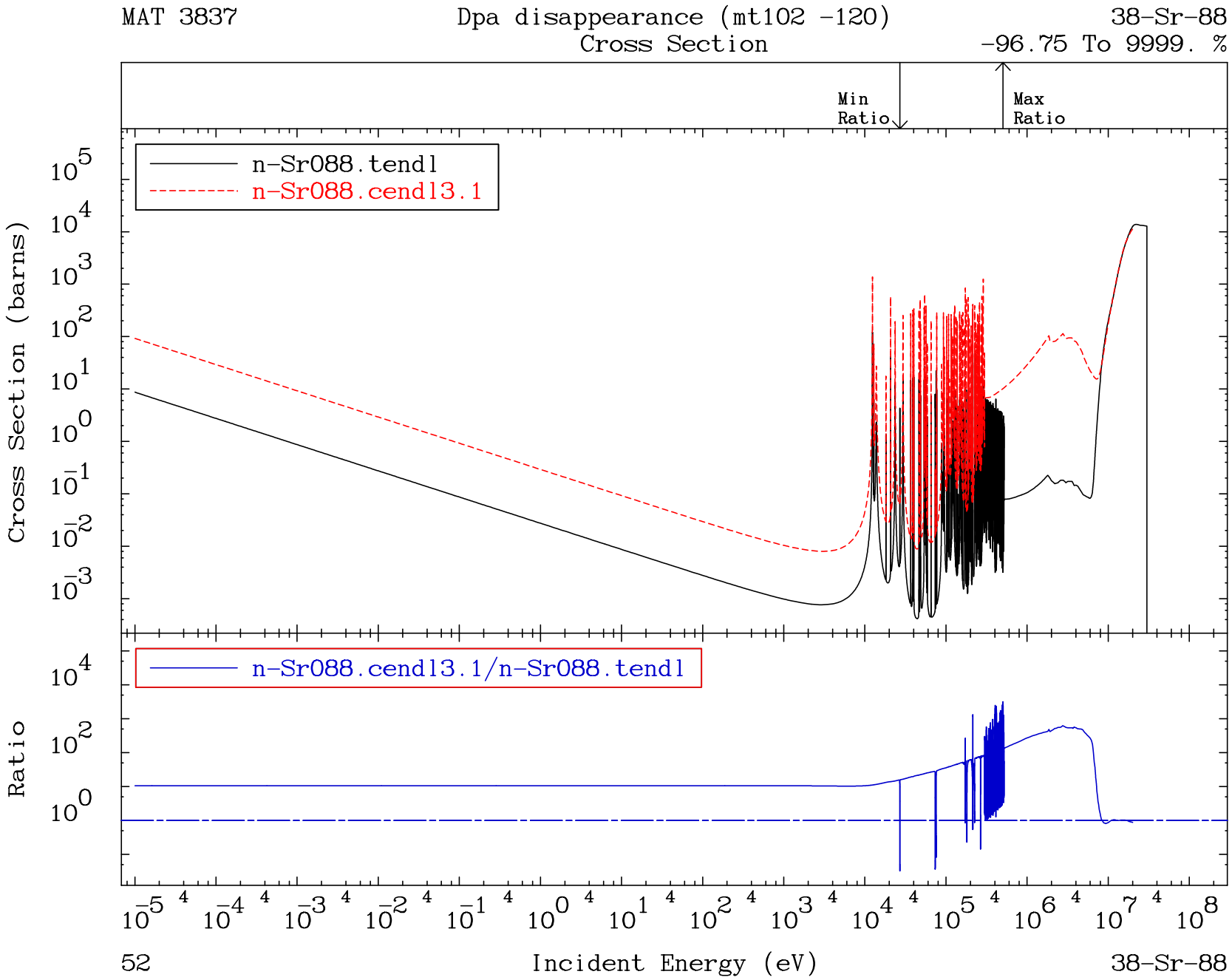

MAT 3837
Total photon (eV-barns)
Cross Section
38-Sr-88
-99.88 To 2321. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (Mega-barns)
30
25
20
15
10
5
0
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
38-Sr-88


MAT 3837
Total kinematic kerma (high limit)
Cross Section
38-Sr-88
-99.99 To 125.0 %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
48
38-Sr-88


MAT 3837
Dpa total (eV-barns)
Cross Section
38-Sr-88
-87.43 To 5012. %
Max Ratio
Min Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
49
38-Sr-88


MAT 3837
Dpa elastic (mt2)
Cross Section
38-Sr-88
-87.43 To 5019. %
Max Ratio
Min Ratio
n-Sr088.tendl Threshold 562.50 eV
n-Sr088.cendl3.1 Threshold 562.50 eV
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
50
38-Sr-88


MAT 3837
Dpa inelastic (mt51-91)
Cross Section
38-Sr-88
-19.18 To 137.3 %
Min Ratio
Max Ratio
n-Sr088.tendl Threshold 1.9000 MeV
n-Sr088.cendl3.1 Threshold 1.8572 MeV
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
51
38-Sr-88


MAT 3837
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-88
-96.75 To 9999. %
Min Ratio
Max Ratio
n-Sr088.tendl
n-Sr088.cendl3.1
Cross Section (barns)
n-Sr088.cendl3.1/n-Sr088.tendl
Ratio
Incident Energy (eV)
52
38-Sr-88