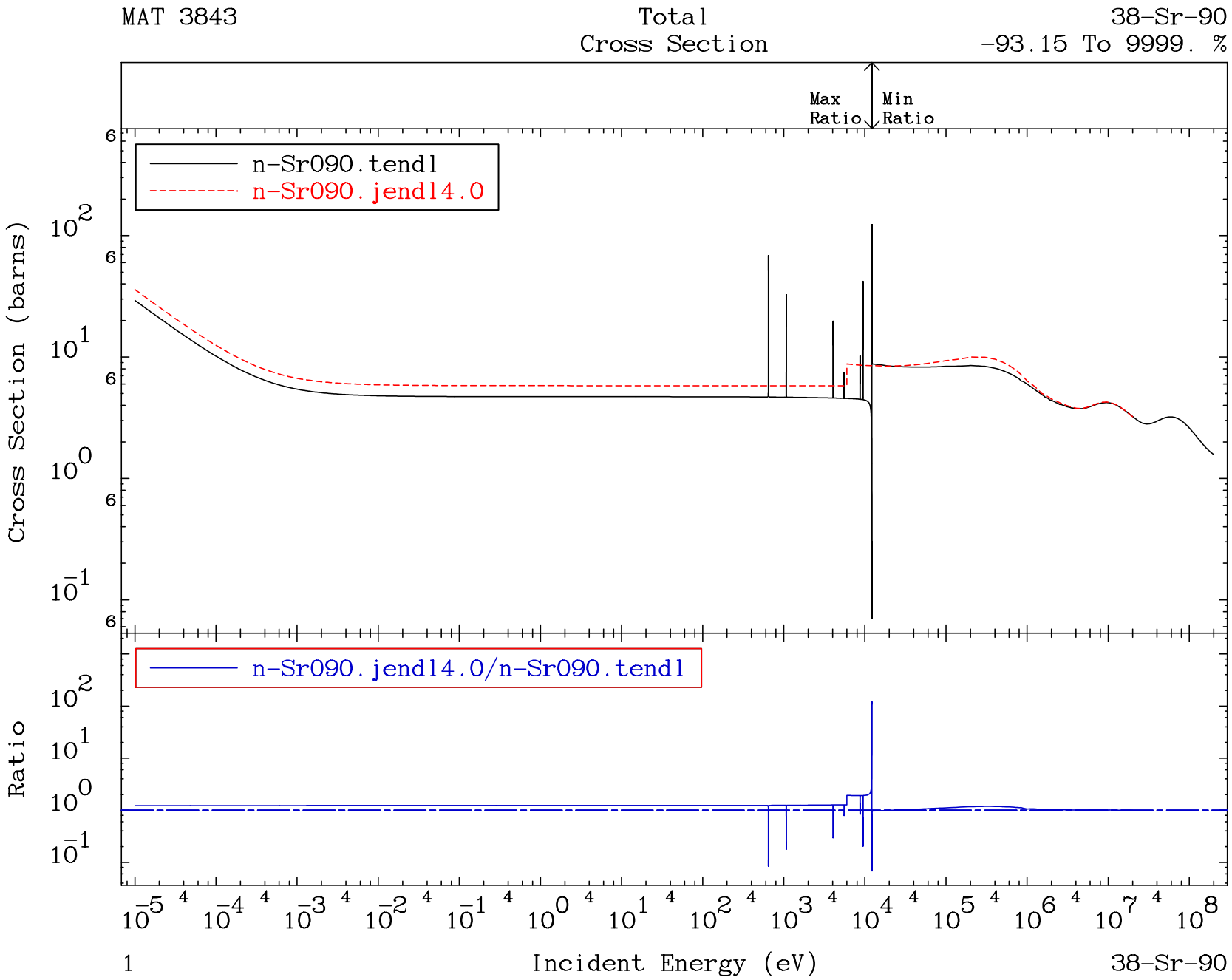
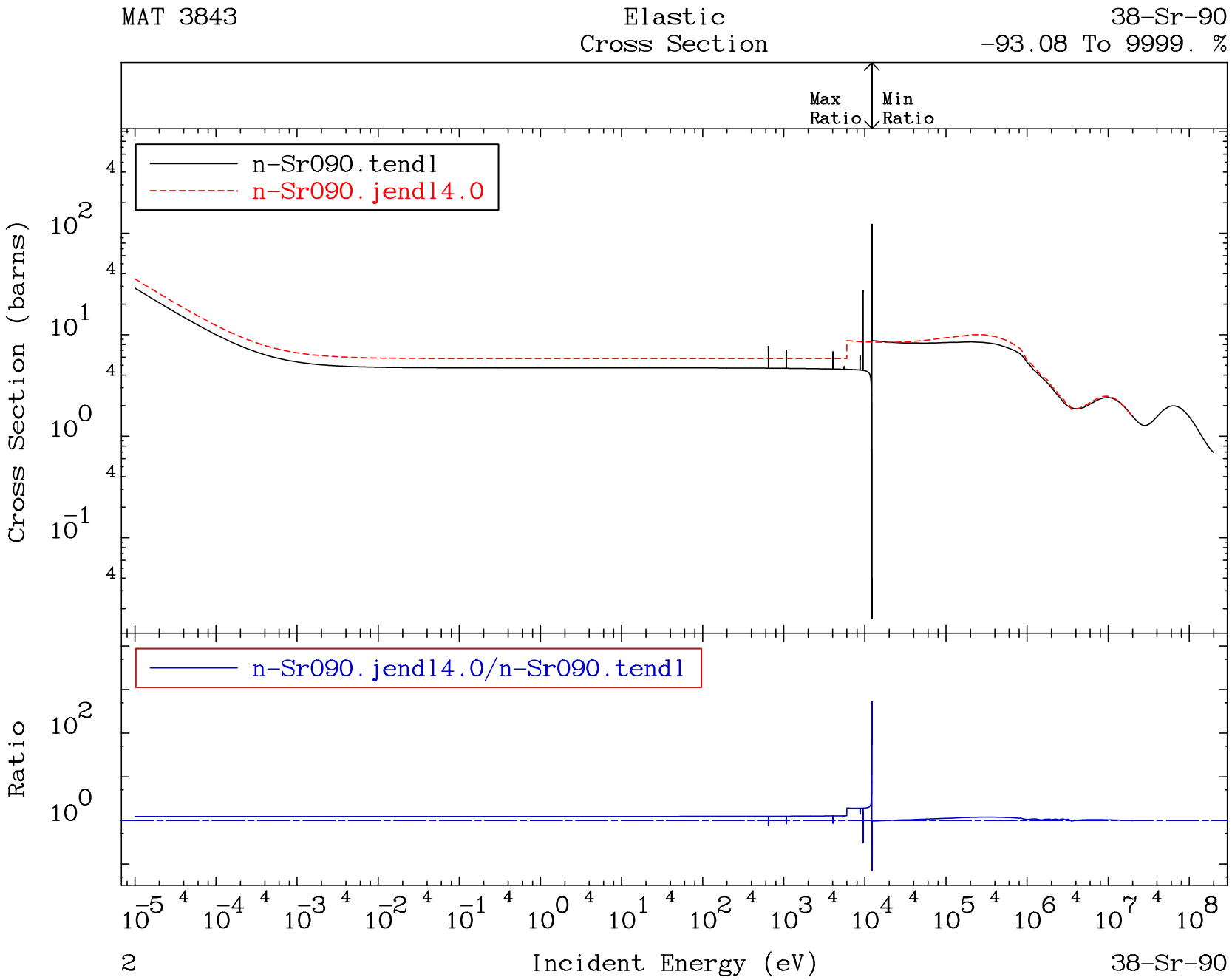
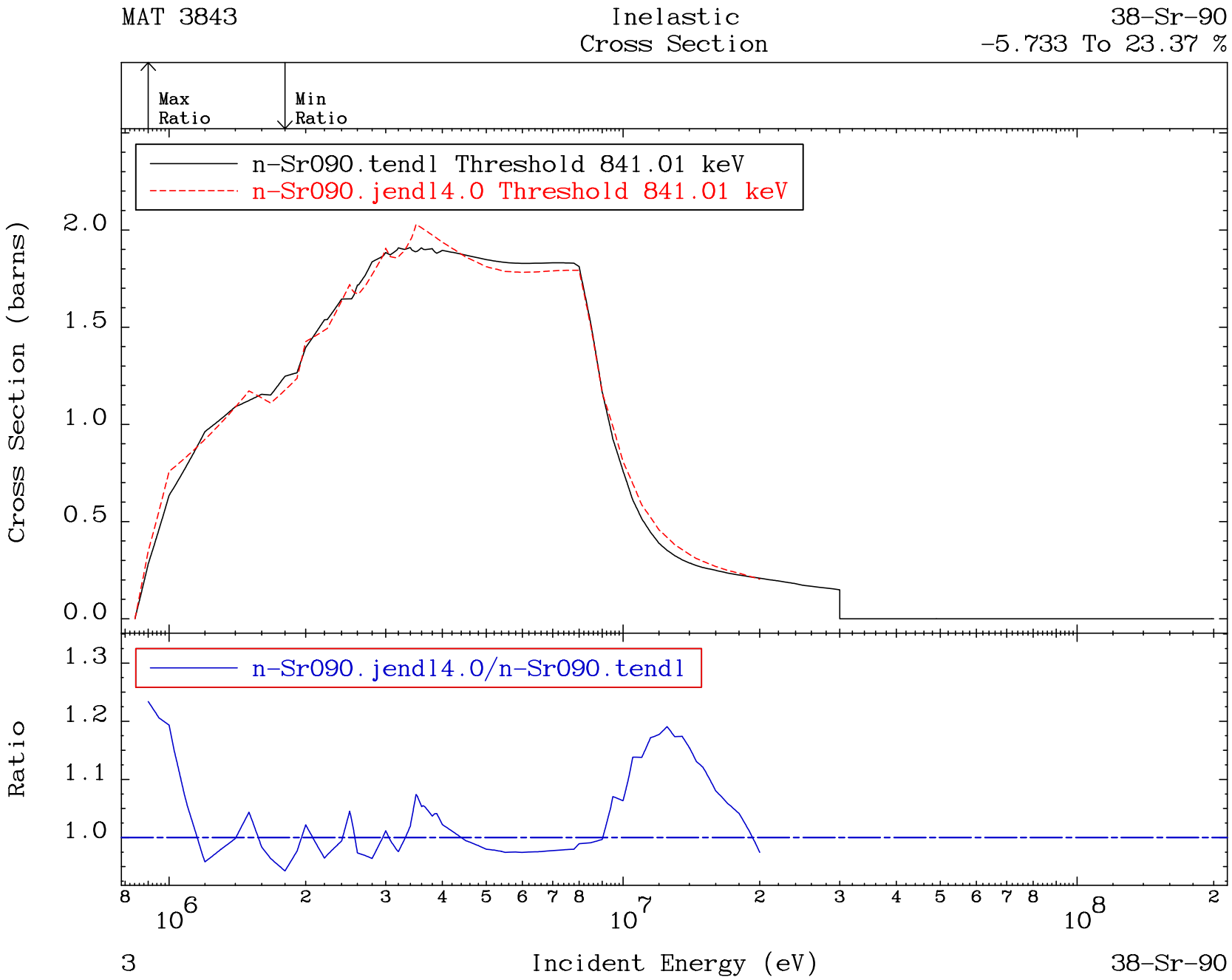
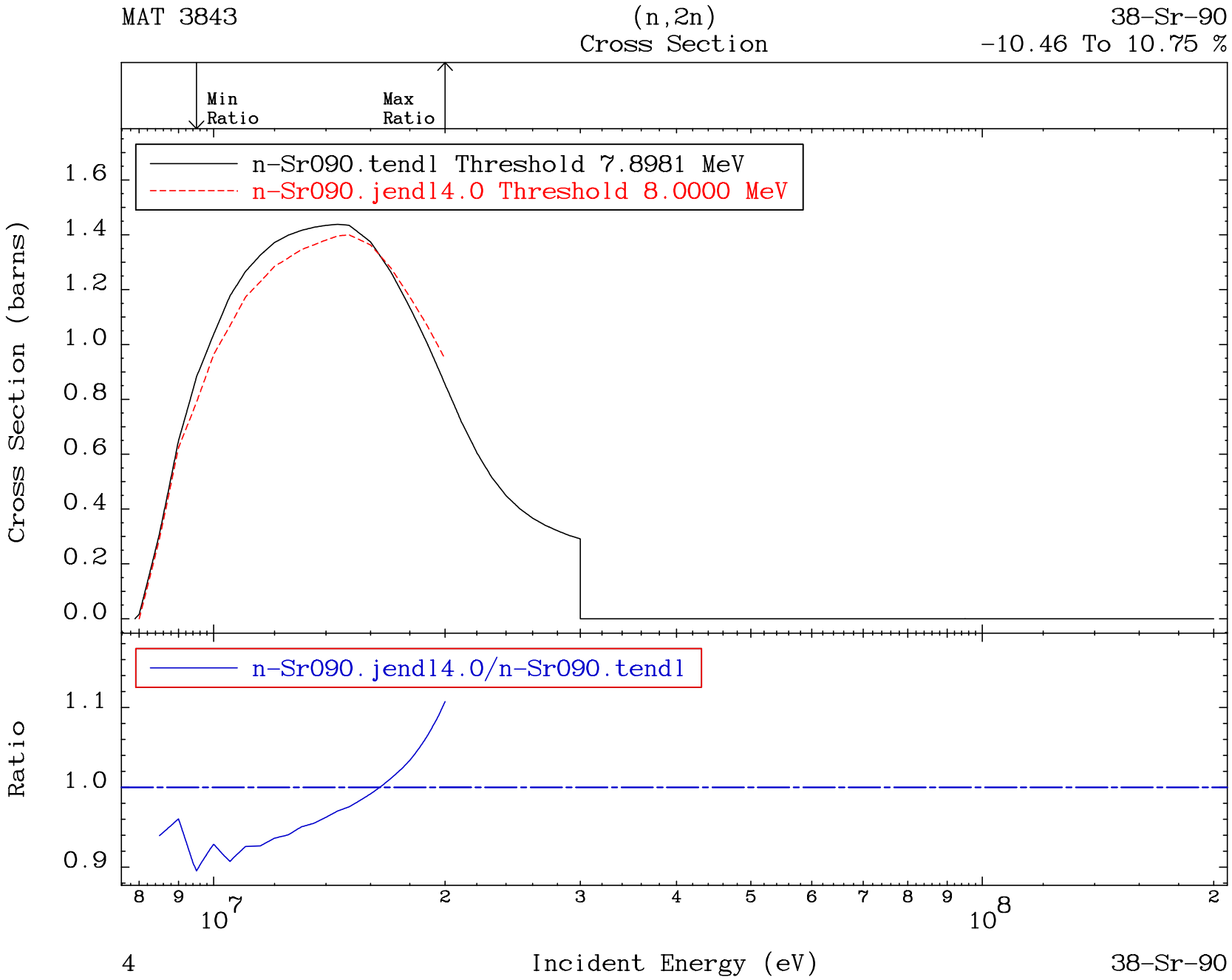
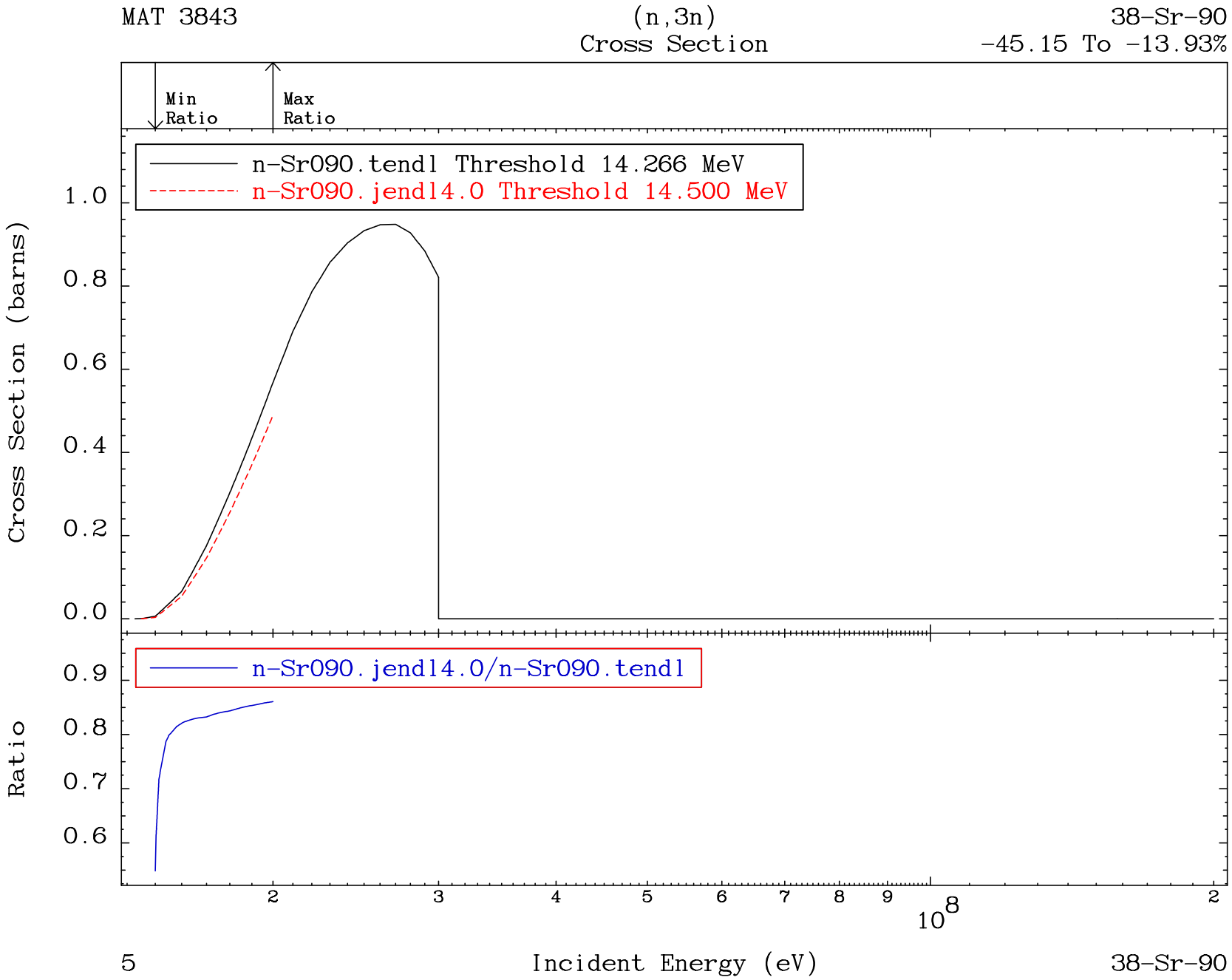
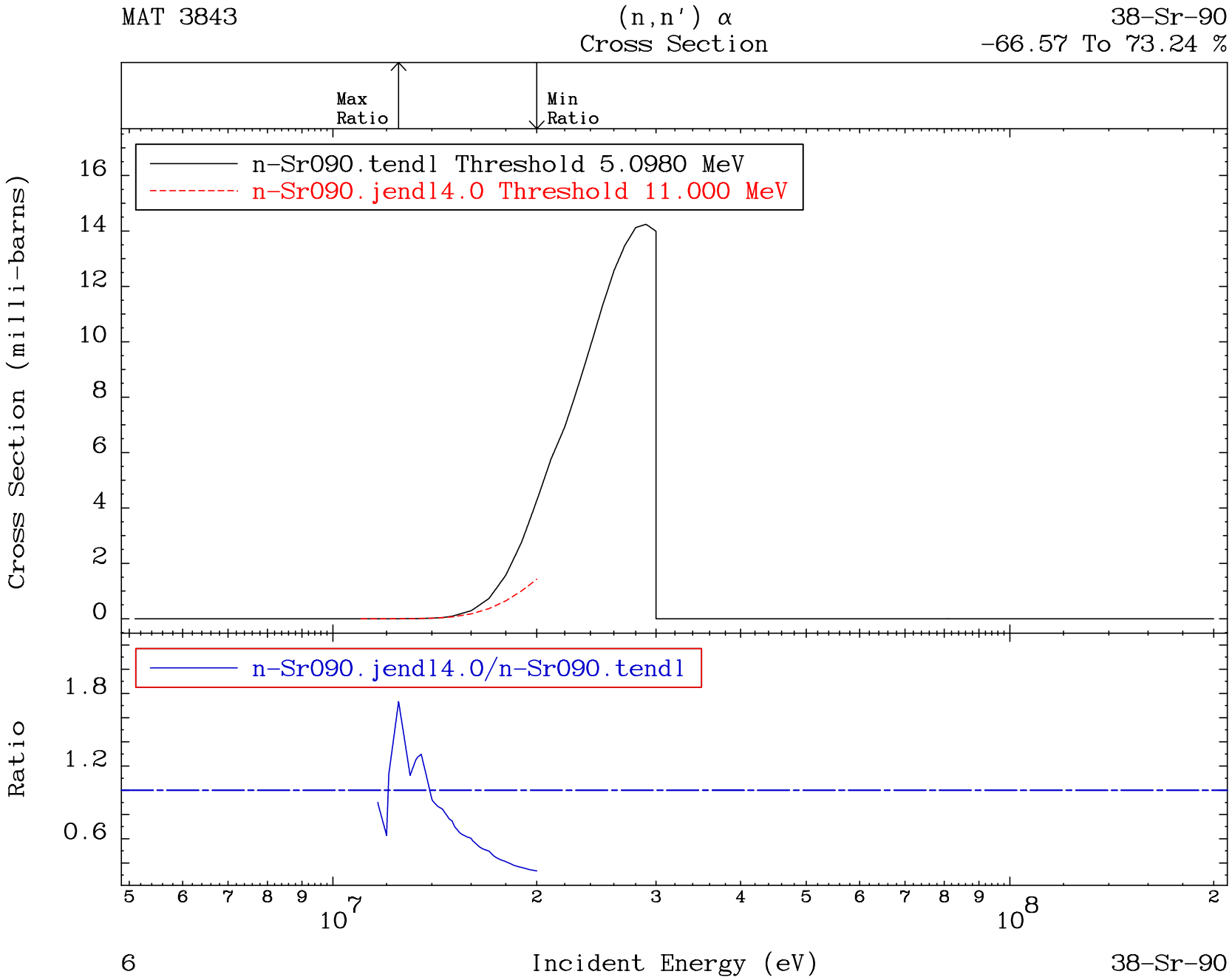

MAT 3843
Total
Cross Section
38-Sr-90
-93.15 To 9999. %
Max Ratio
Min Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
1
38-Sr-90

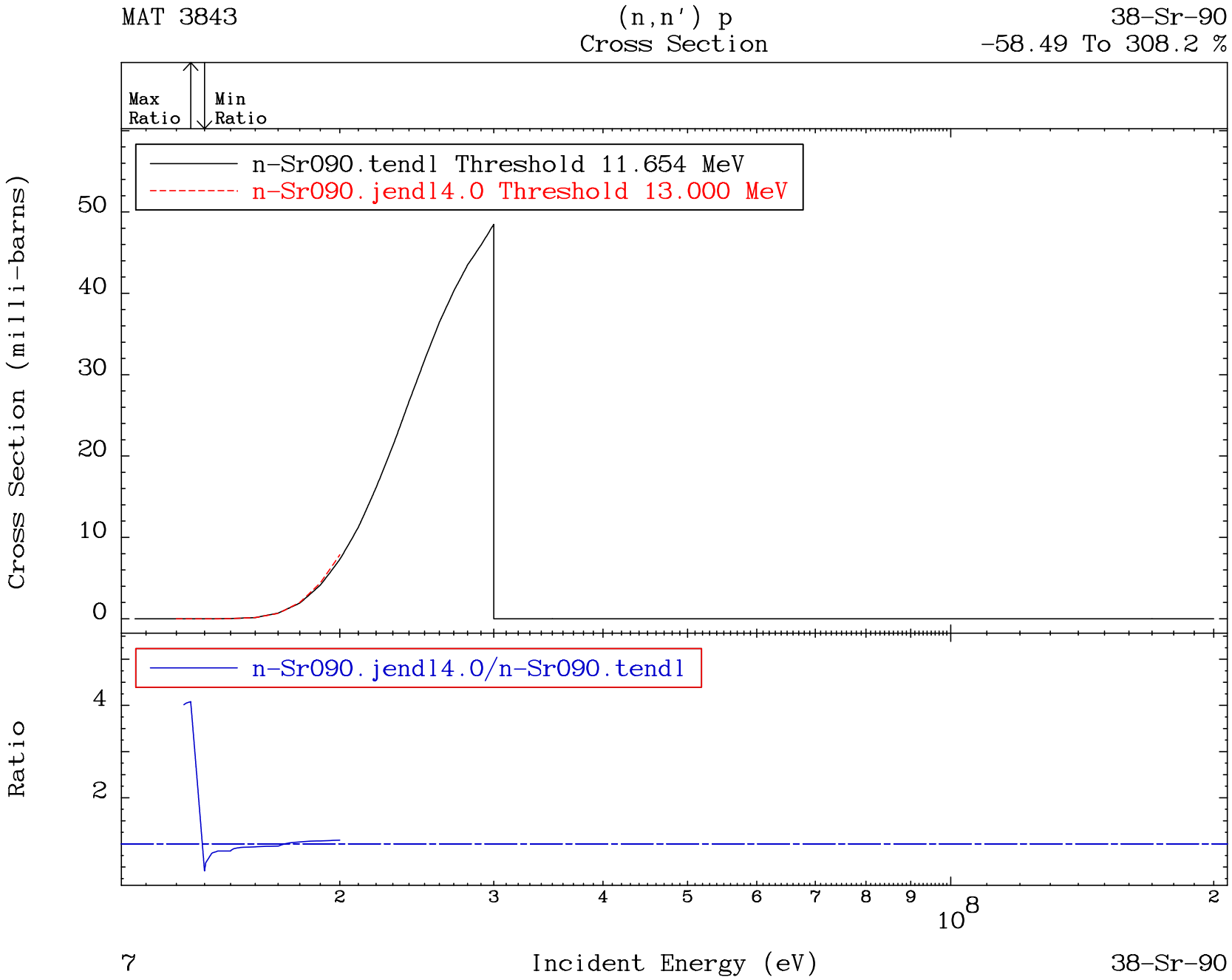

MAT 3843
Elastic
Cross Section
38-Sr-90
-93.08 To 9999. %
Max Ratio
Min Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
2
38-Sr-90

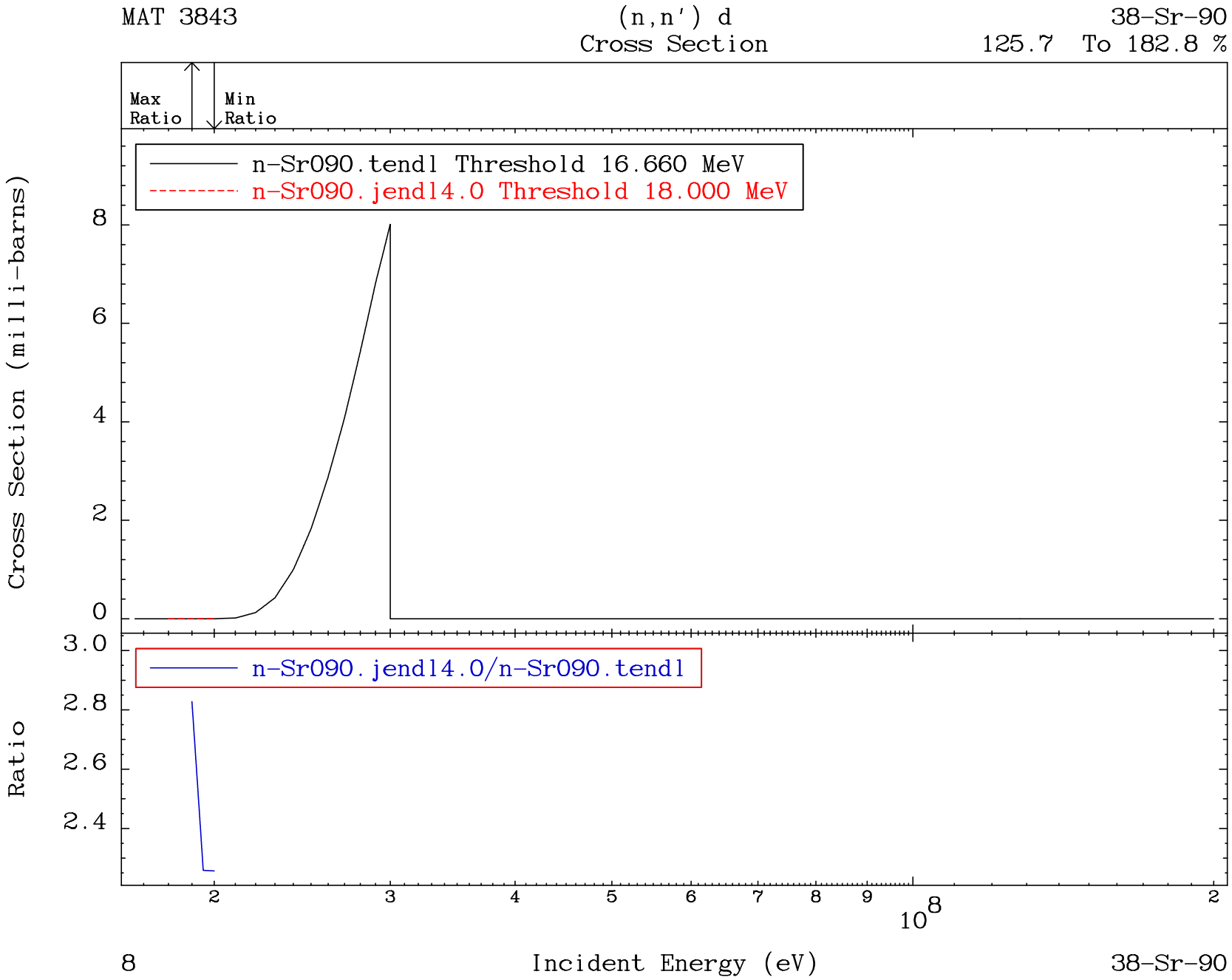

MAT 3843
Inelastic
Cross Section
38-Sr-90
-5.733 To 23.37 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 841.01 keV
n-Sr090.jendl4.0 Threshold 841.01 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
1.3
1.2
1.1
1.0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
38-Sr-90

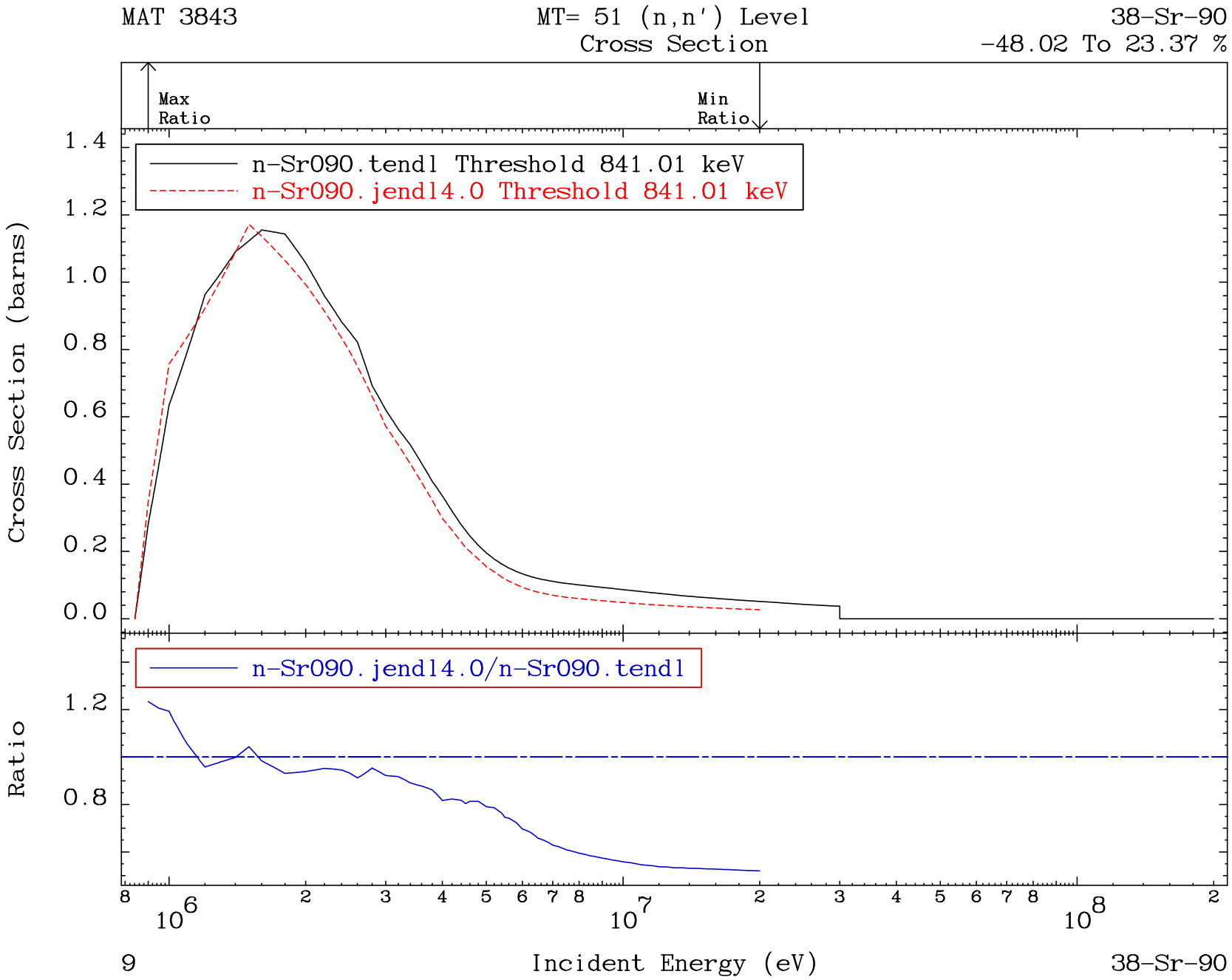

MAT 3843
(n,2n)
Cross Section
38-Sr-90
-10.46 To 10.75 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 7.8981 MeV
n-Sr090.jendl4.0 Threshold 8.0000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
1.1
1.0
0.9
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
38-Sr-90

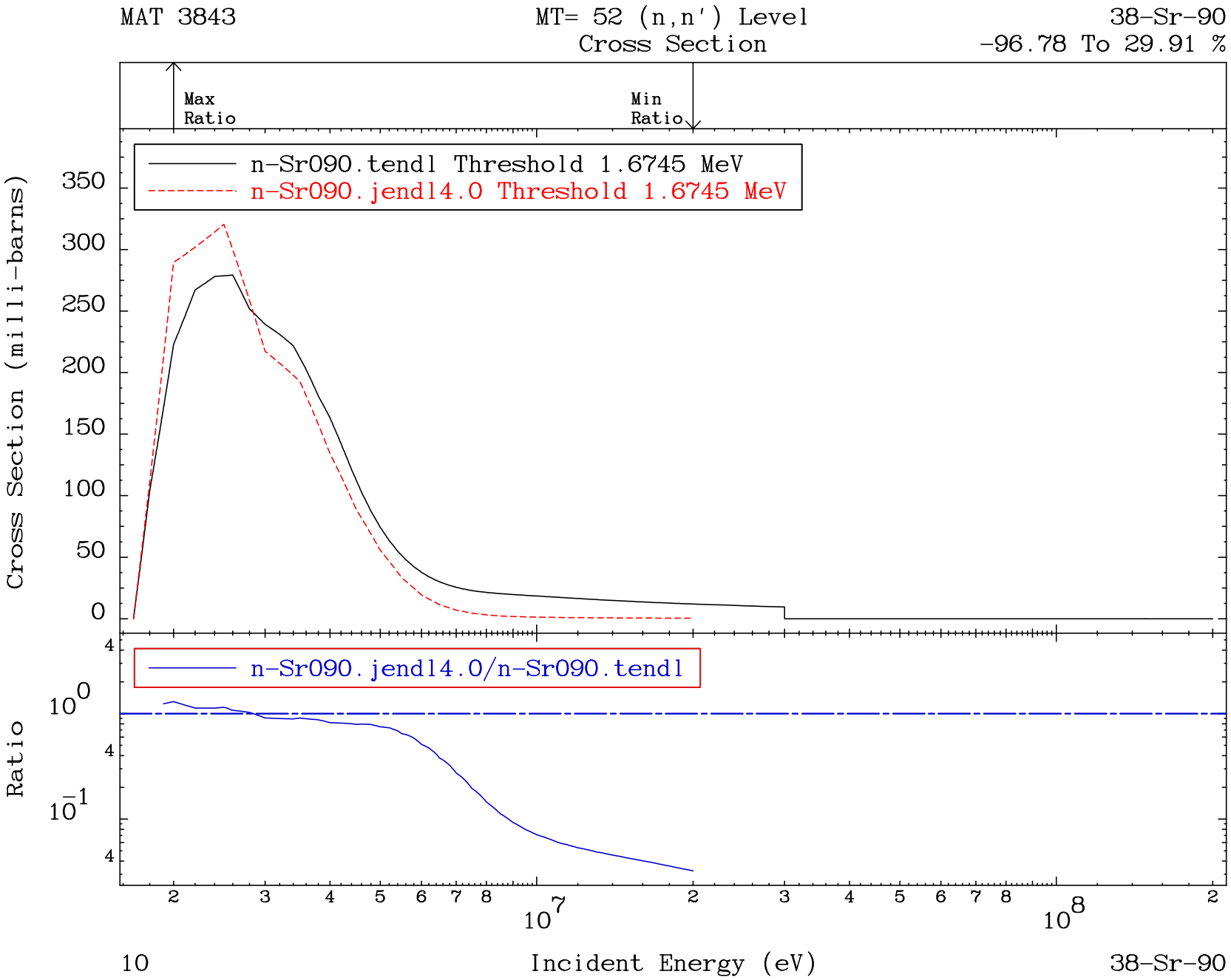

MAT 3843
(n,3n)
Cross Section
38-Sr-90
-45.15 To -13.93%
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 14.266 MeV
n-Sr090.jendl4.0 Threshold 14.500 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
0.9
0.8
0.7
0.6
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
38-Sr-90

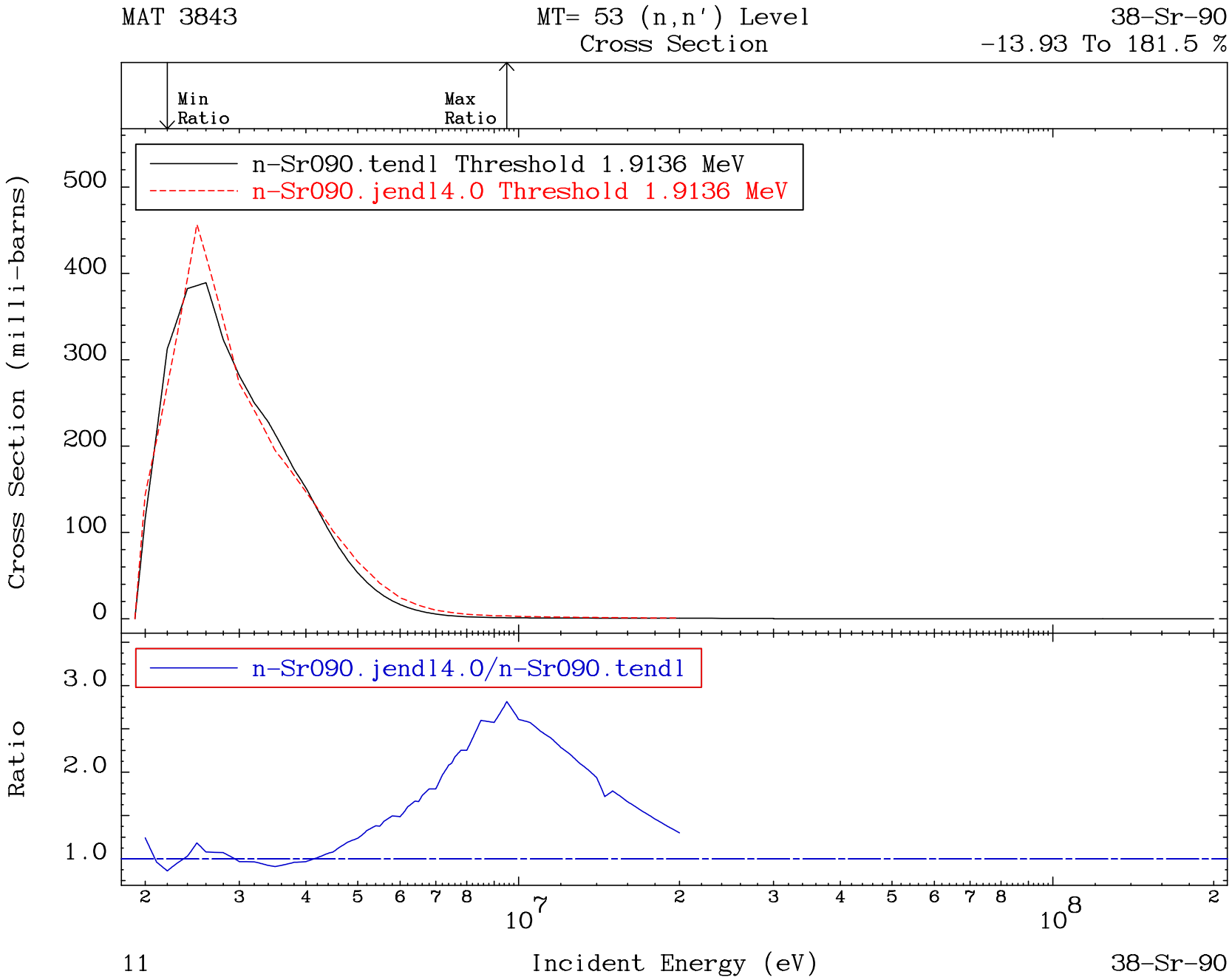

MAT 3843
(n,n') α
Cross Section
38-Sr-90
-66.57 To 73.24 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 5.0980 MeV
n-Sr090.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
1.8
1.2
0.6
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
38-Sr-90

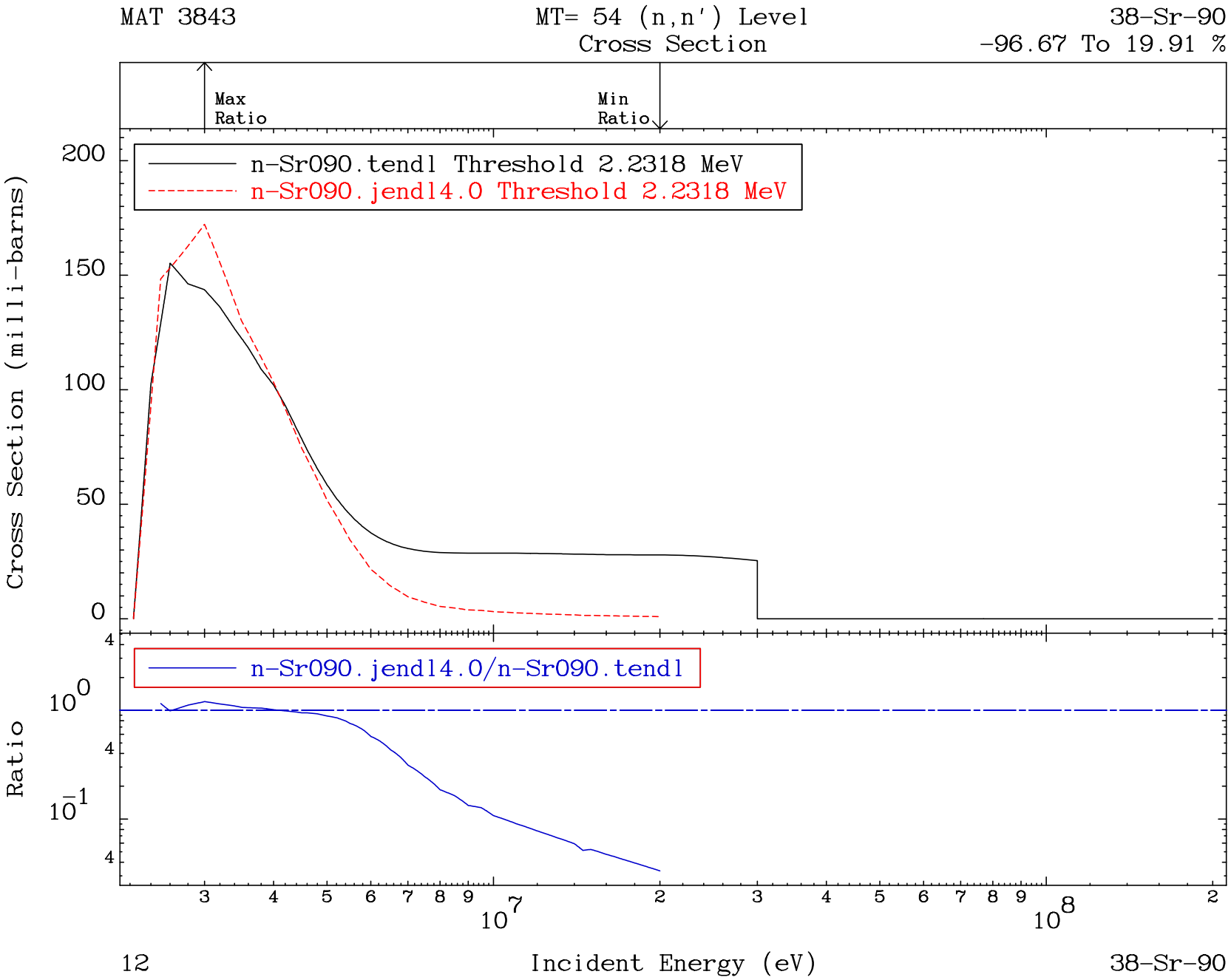

MAT 3843
(n,n') p
Cross Section
38-Sr-90
-58.49 To 308.2 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 11.654 MeV
n-Sr090.jendl4.0 Threshold 13.000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
4
2
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
38-Sr-90

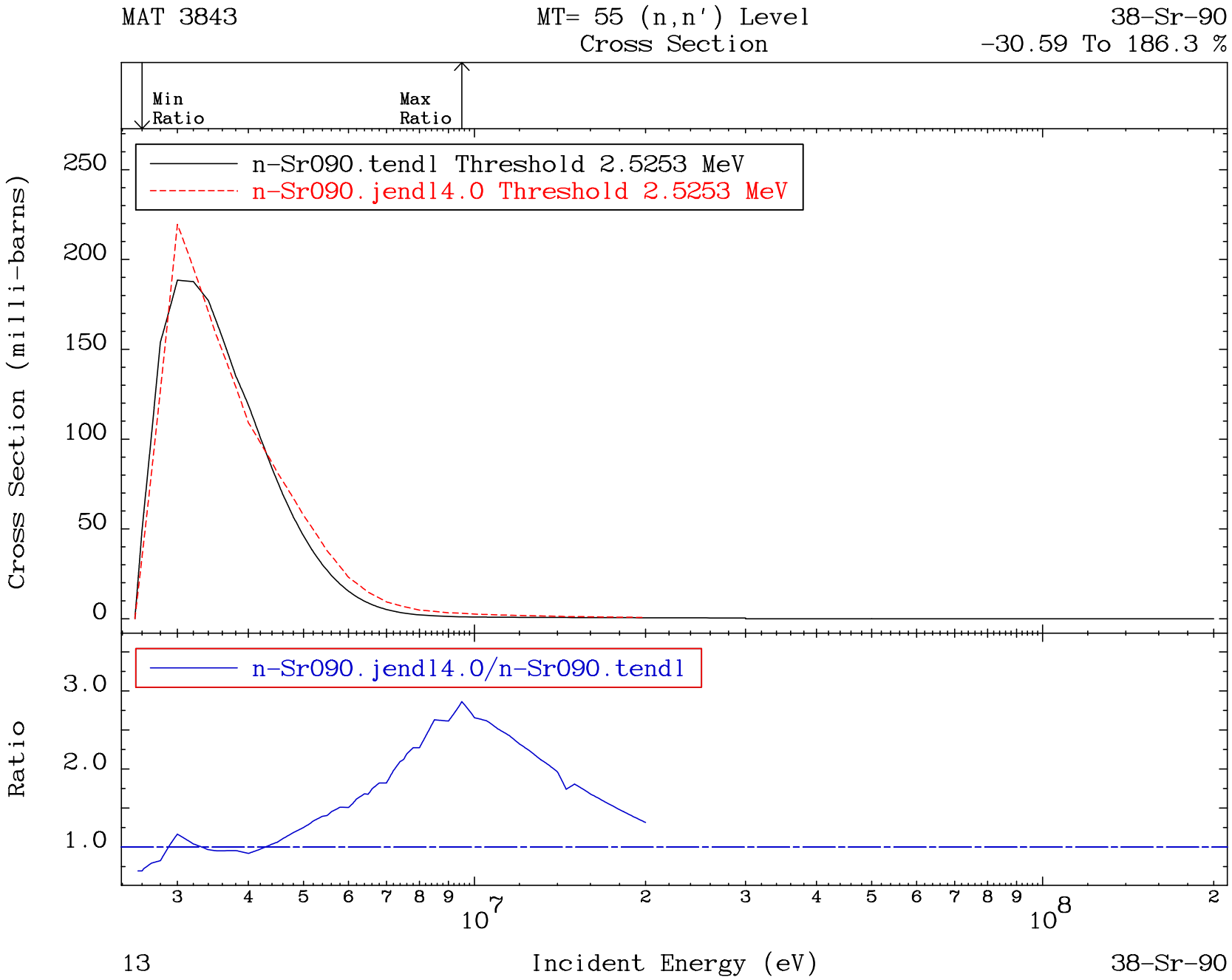

MAT 3843
(n,n') d
Cross Section
38-Sr-90
125.7 To 182.8 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 16.660 MeV
n-Sr090.jendl4.0 Threshold 18.000 MeV
Cross Section (milli-barns)
8
6
4
2
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
3.0
2.8
2.6
2.4
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
38-Sr-90

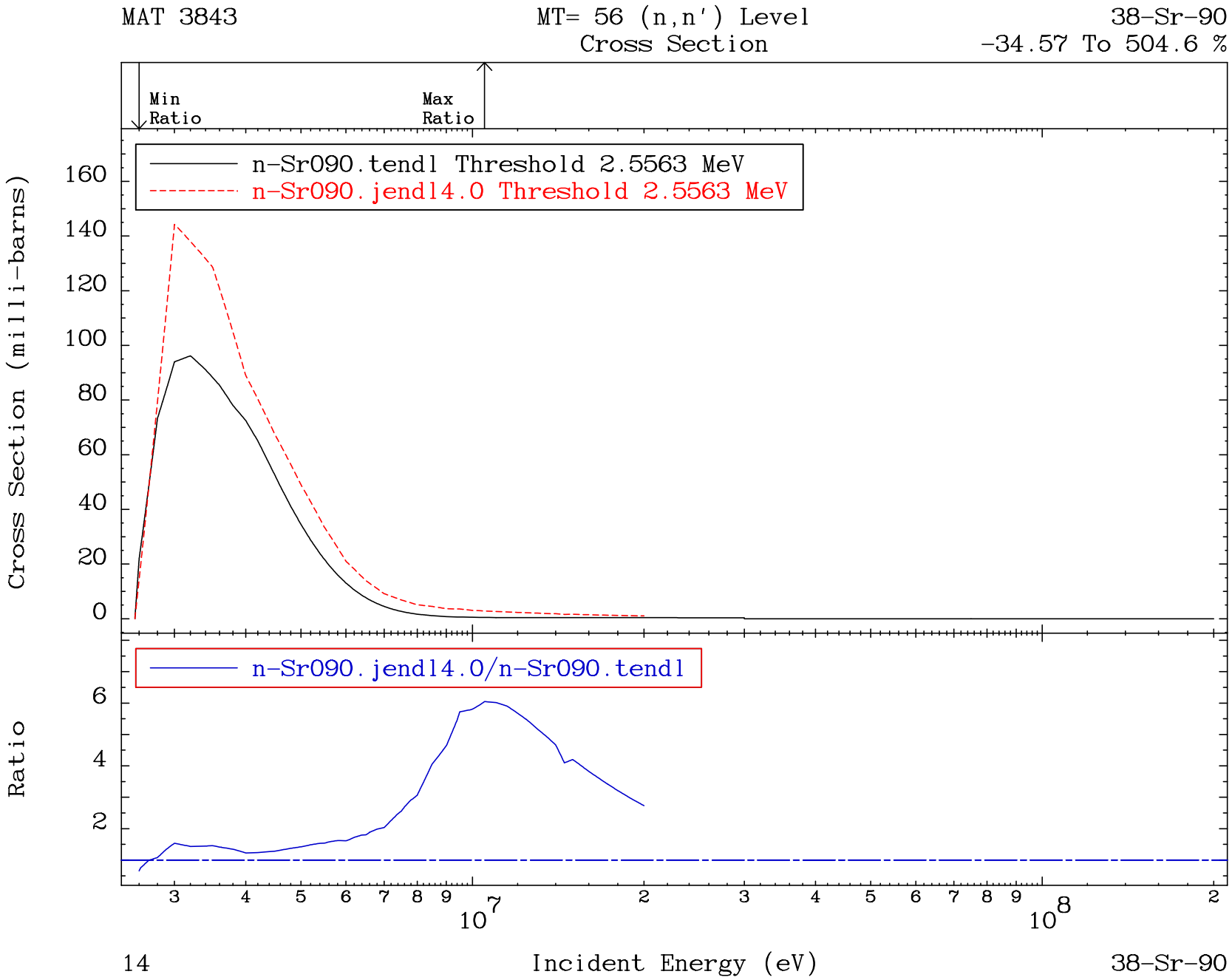

MAT 3843
MT= 51 (n,n') Level
Cross Section
38-Sr-90
-48.02 To 23.37 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 841.01 keV
n-Sr090.jendl4.0 Threshold 841.01 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
1.2
0.8
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
38-Sr-90

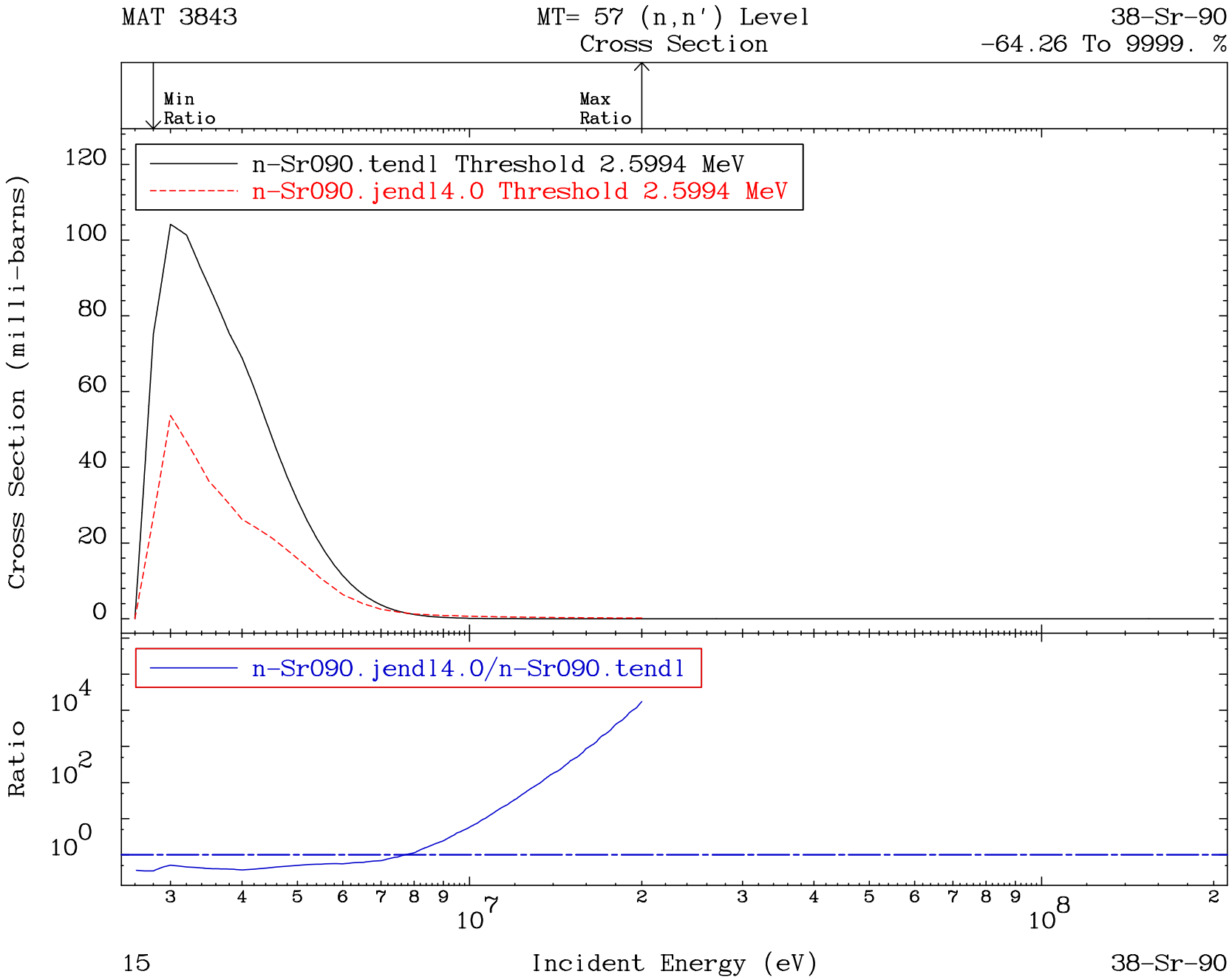

MAT 3843
MT= 52 (n,n') Level
Cross Section
38-Sr-90
-96.78 To 29.91 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 1.6745 MeV
n-Sr090.jendl4.0 Threshold 1.6745 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^0
10^-1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
38-Sr-90

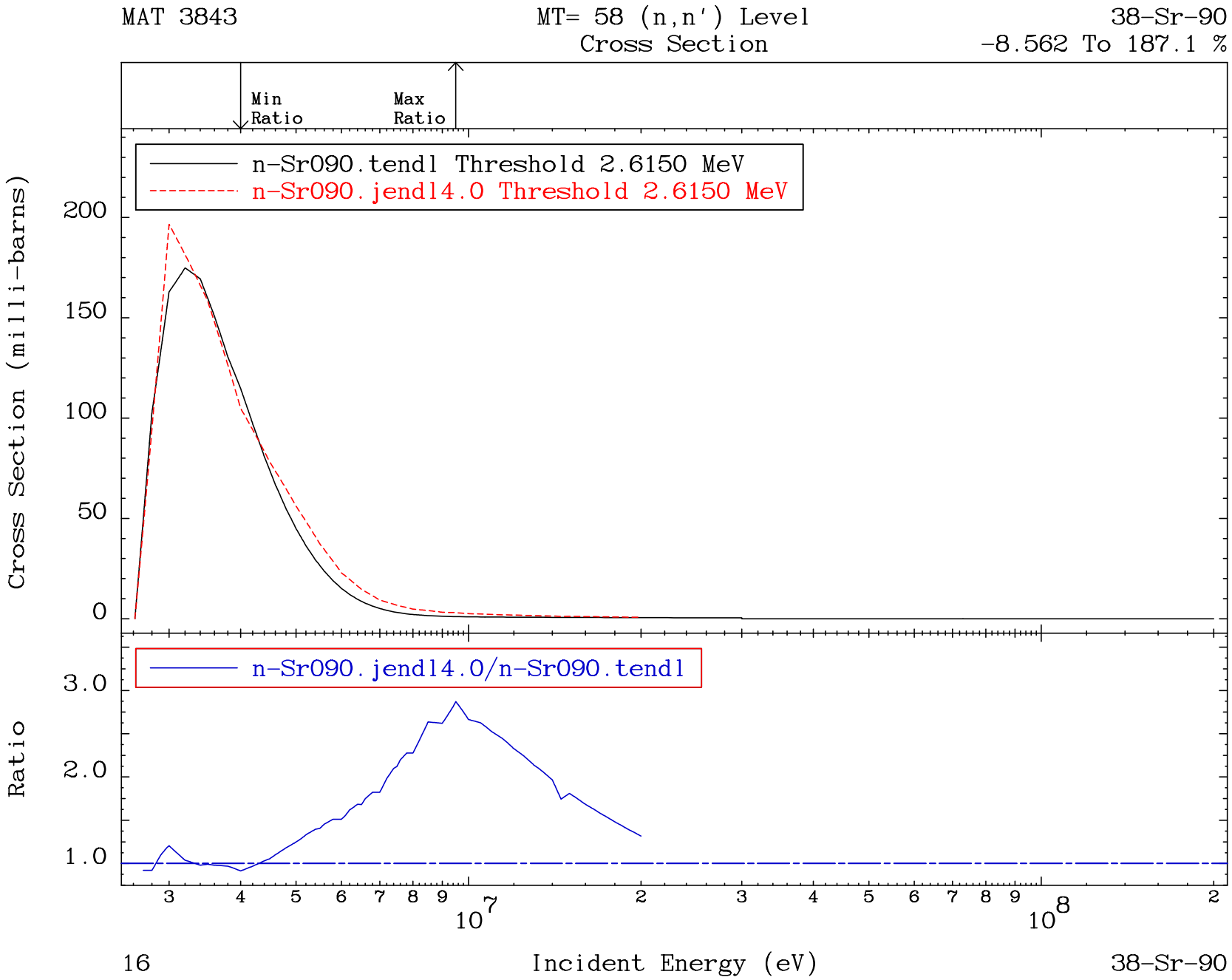

MAT 3843
MT= 53 (n,n') Level
Cross Section
38-Sr-90
-13.93 To 181.5 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 1.9136 MeV
n-Sr090.jendl4.0 Threshold 1.9136 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
3.0
2.0
1.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
38-Sr-90

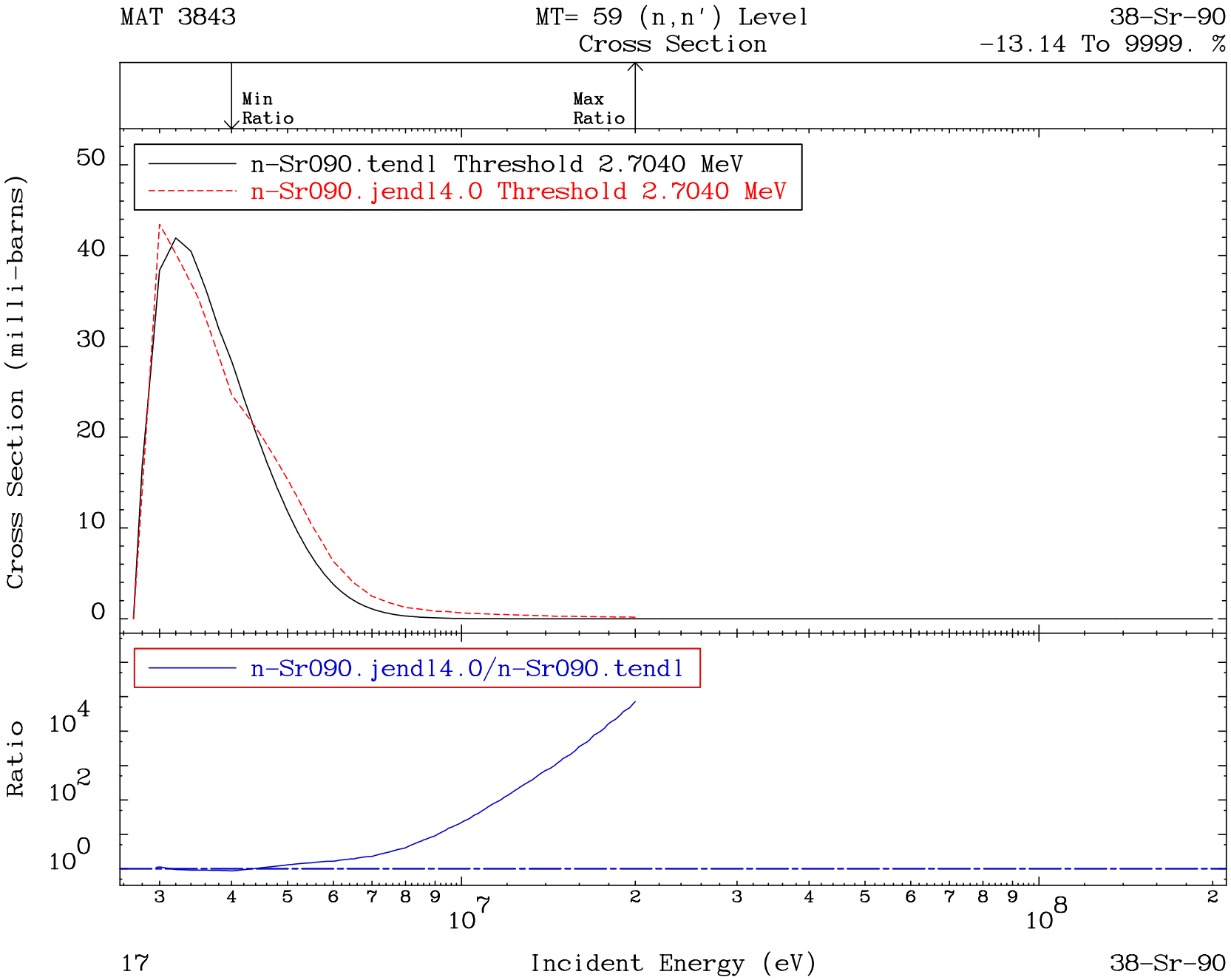

MAT 3843
MT= 54 (n,n') Level
Cross Section
38-Sr-90
-96.67 To 19.91 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 2.2318 MeV
n-Sr090.jendl4.0 Threshold 2.2318 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
38-Sr-90

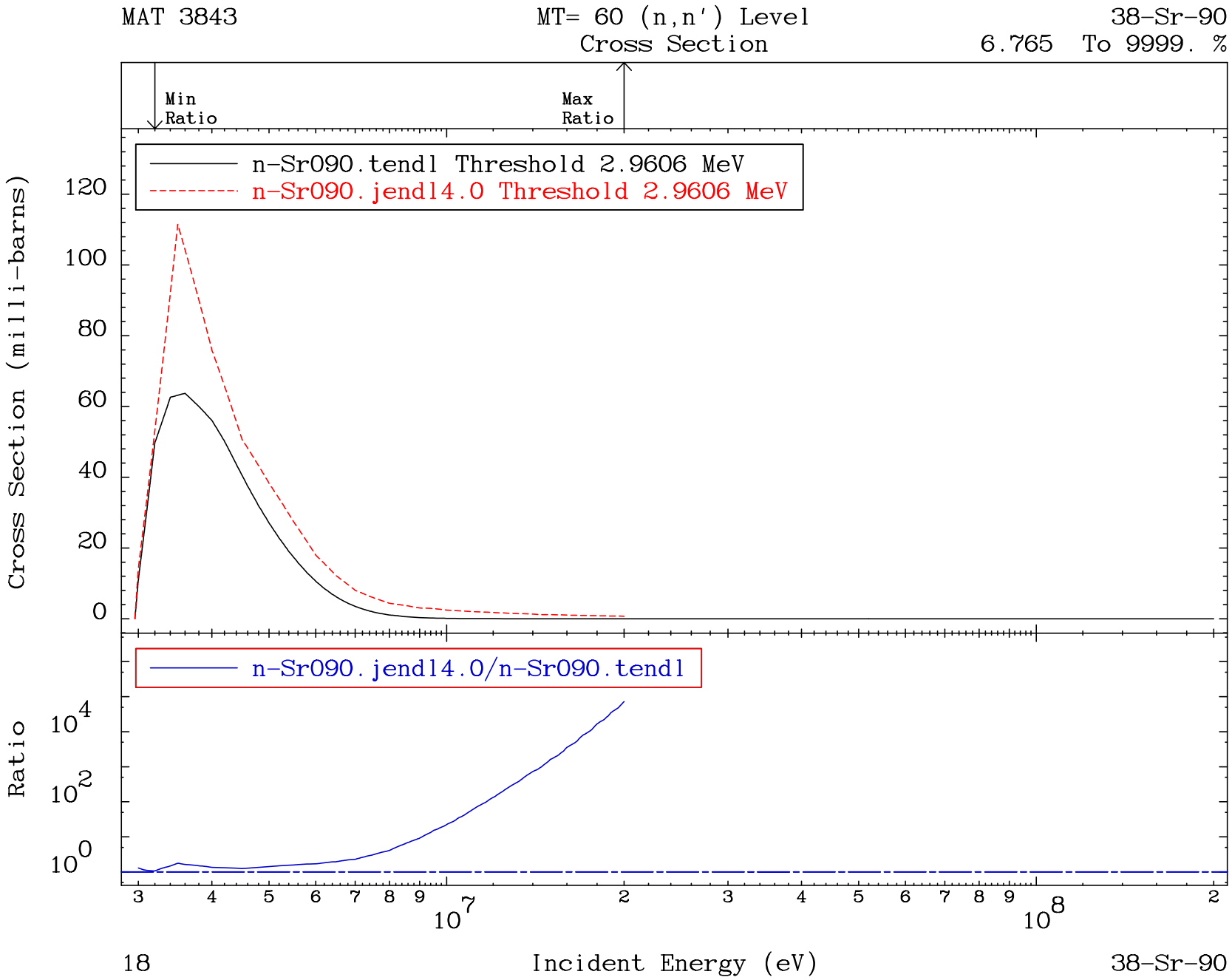

MAT 3843
MT= 55 (n,n') Level
Cross Section
38-Sr-90
-30.59 To 186.3 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 2.5253 MeV
n-Sr090.jendl4.0 Threshold 2.5253 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
3.0
2.0
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
38-Sr-90

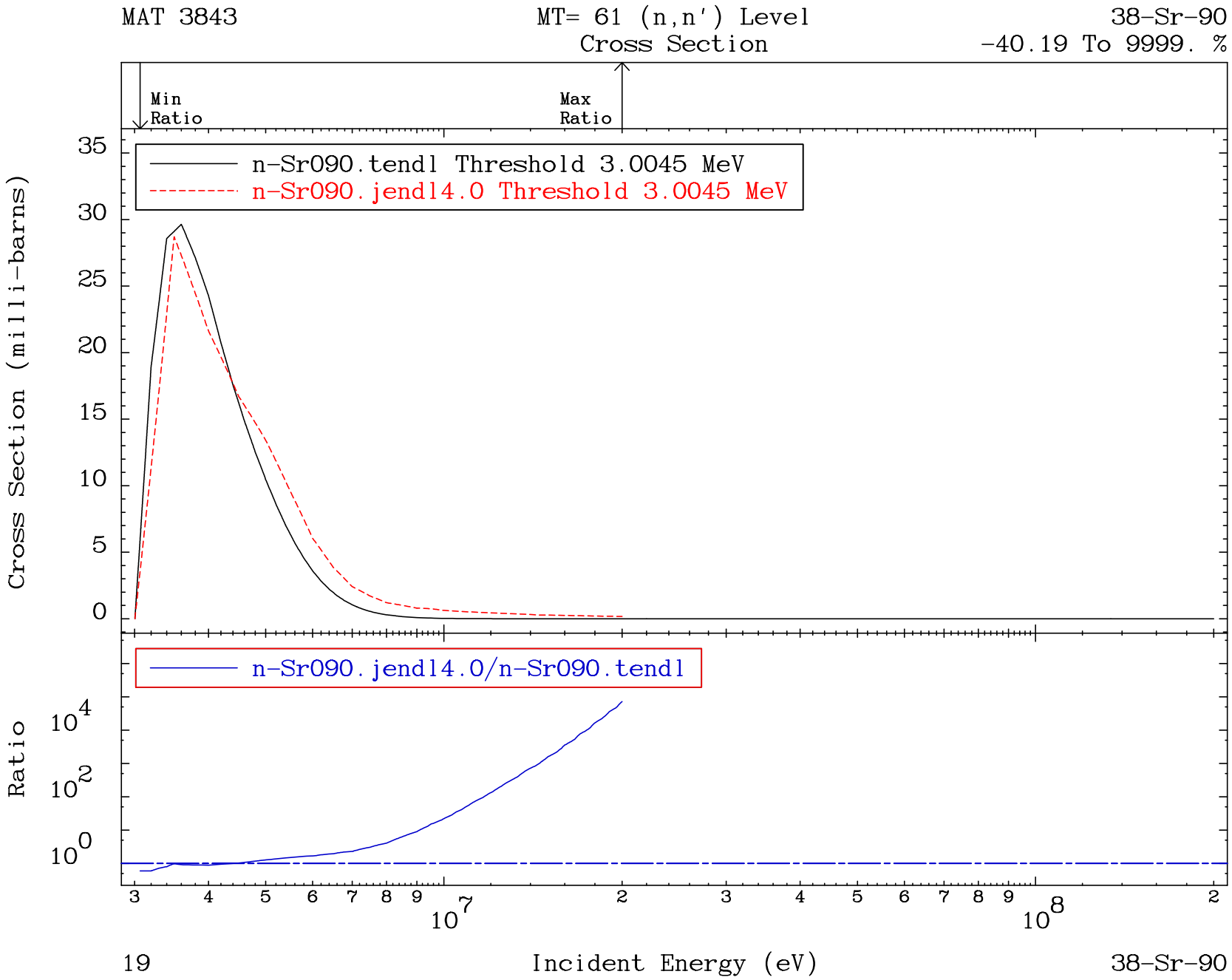

MAT 3843
MT= 56 (n,n') Level
Cross Section
38-Sr-90
-34.57 To 504.6 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 2.5563 MeV
n-Sr090.jendl4.0 Threshold 2.5563 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
6
4
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
38-Sr-90

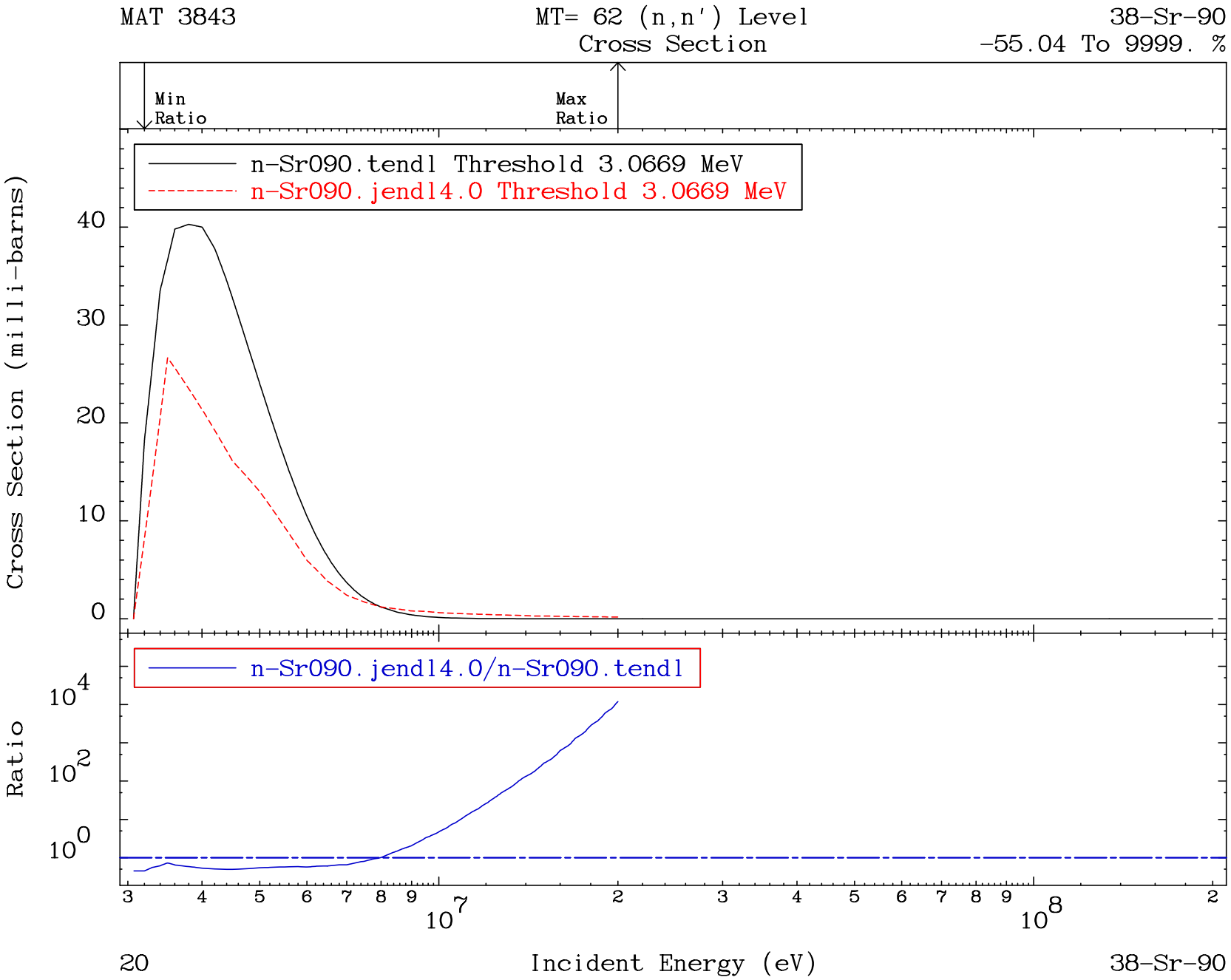

MAT 3843
MT= 57 (n,n') Level
Cross Section
38-Sr-90
-64.26 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 2.5994 MeV
n-Sr090.jendl4.0 Threshold 2.5994 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
15
Incident Energy (eV)
38-Sr-90

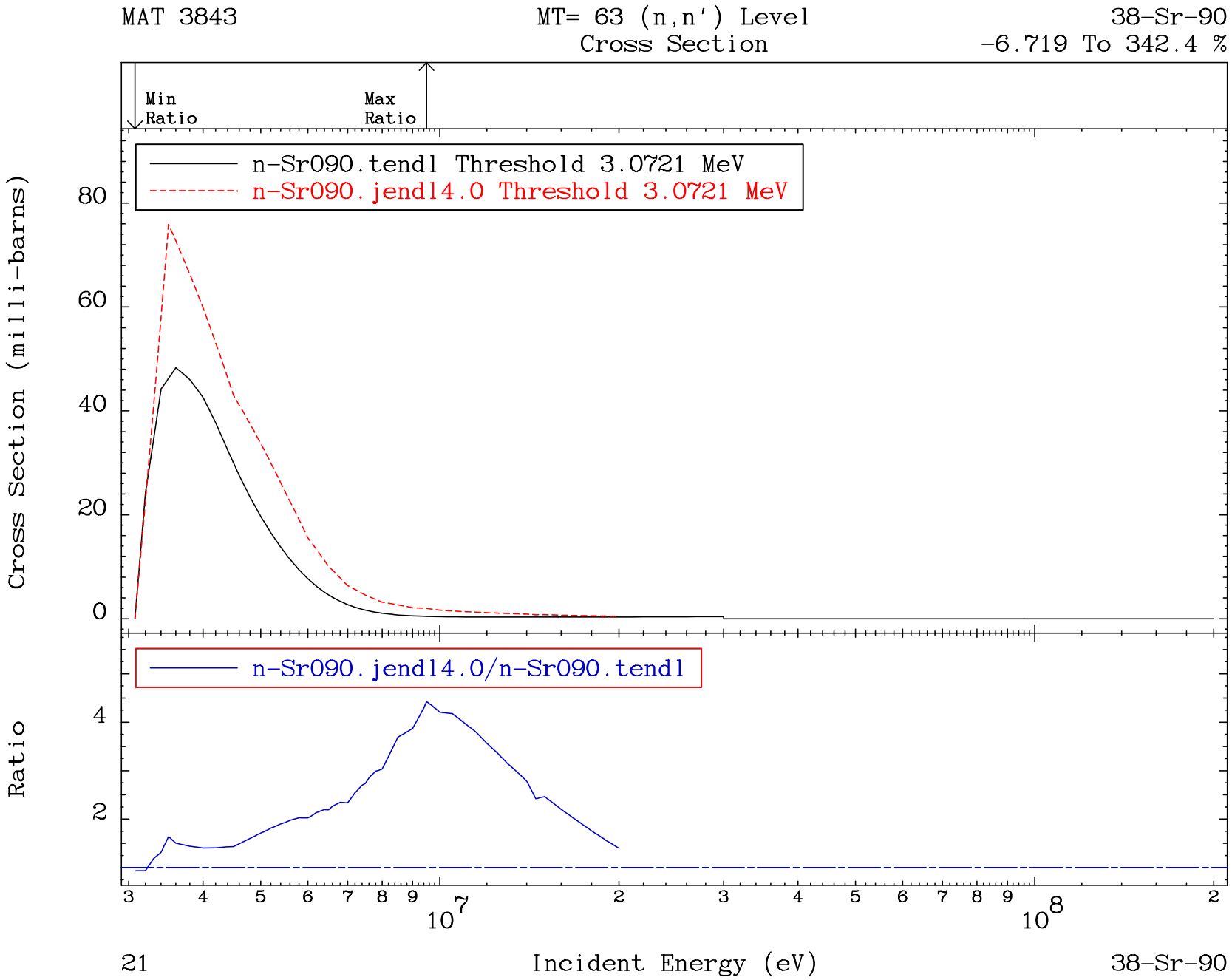

MAT 3843
MT= 58 (n,n') Level
Cross Section
38-Sr-90
-8.562 To 187.1 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 2.6150 MeV
n-Sr090.jendl4.0 Threshold 2.6150 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
3.0
2.0
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
38-Sr-90

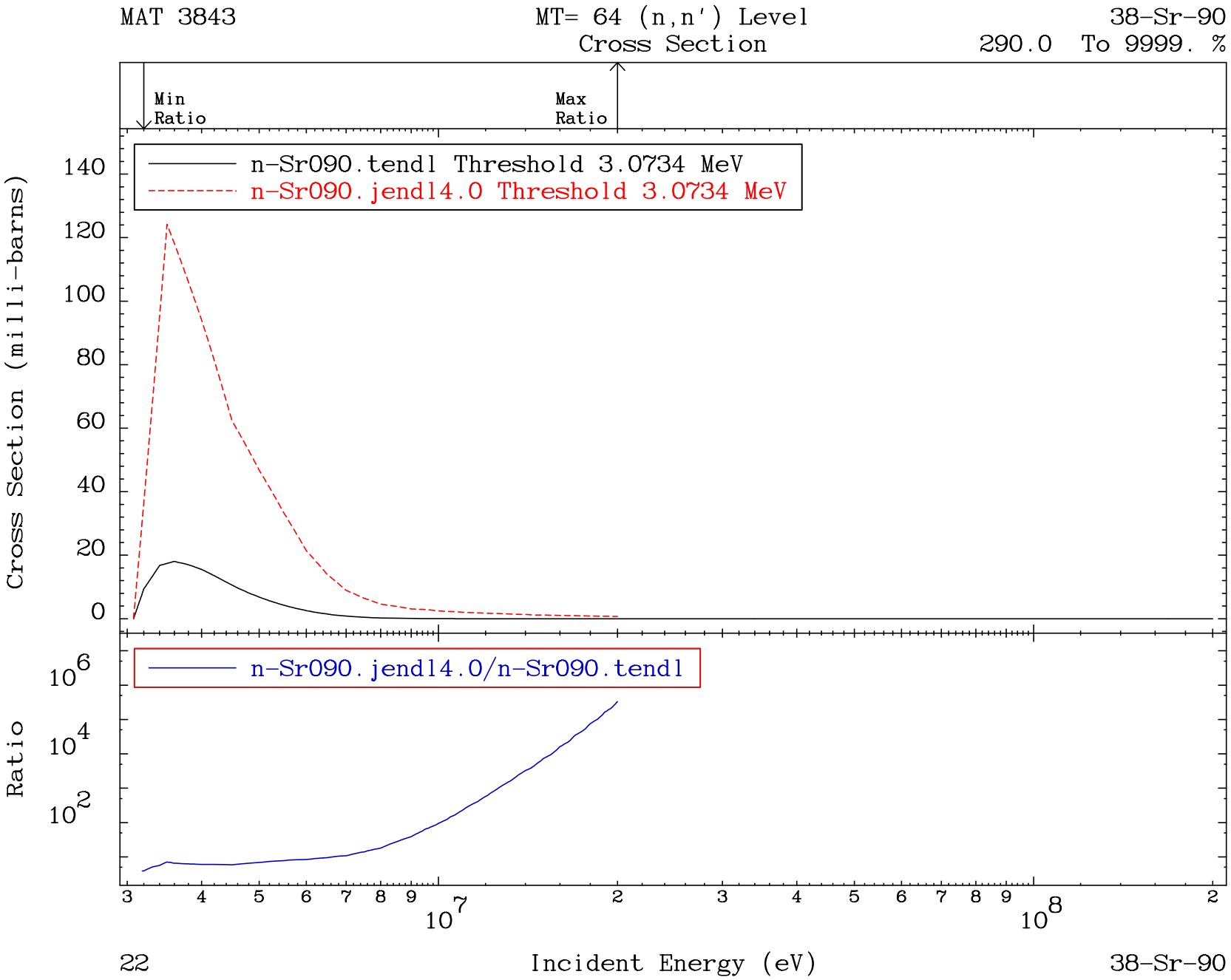

MAT 3843
MT= 59 (n,n') Level
Cross Section
38-Sr-90
-13.14 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 2.7040 MeV
n-Sr090.jendl4.0 Threshold 2.7040 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
38-Sr-90

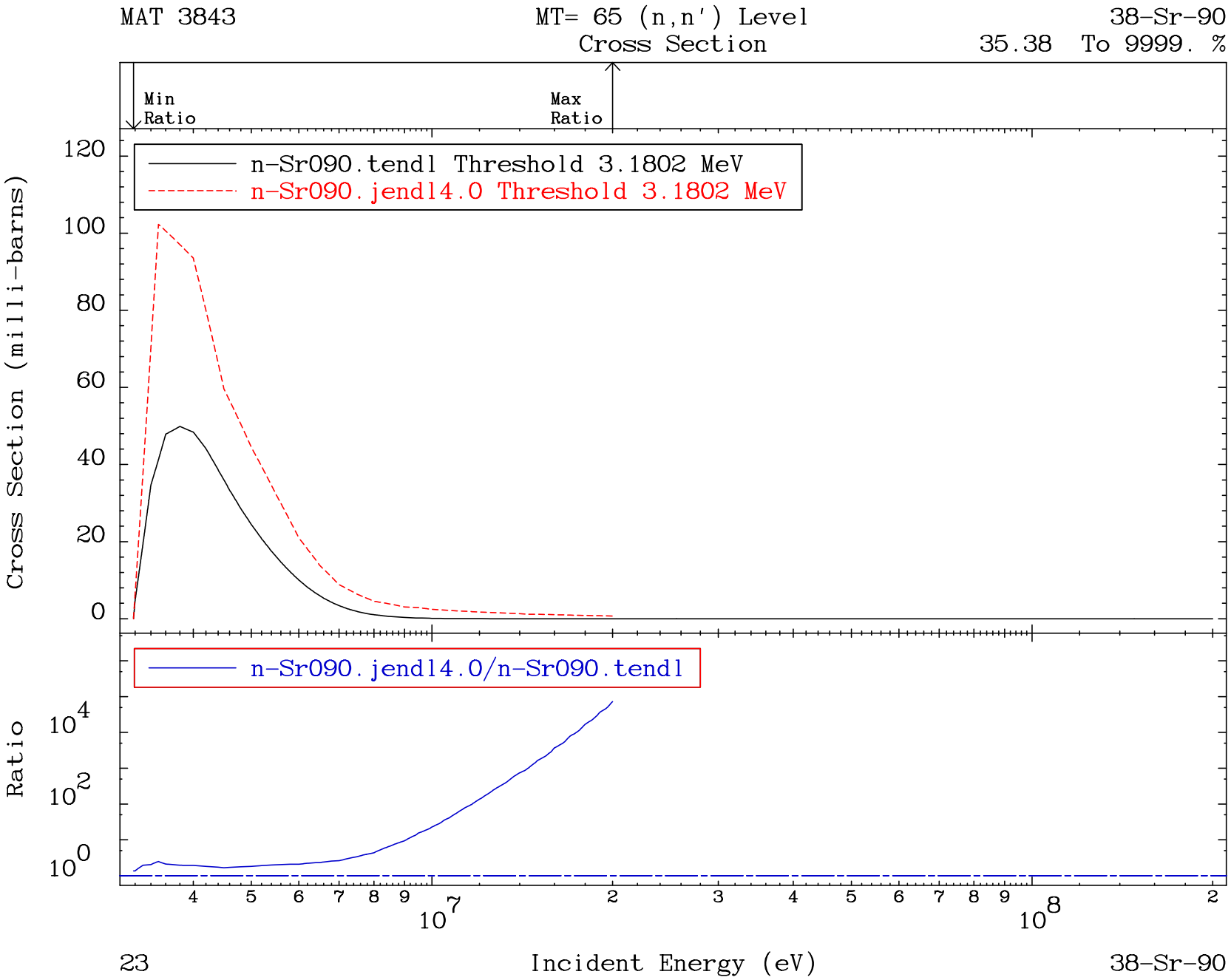

MAT 3843
MT= 60 (n,n') Level
Cross Section
38-Sr-90
6.765 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 2.9606 MeV
n-Sr090.jendl4.0 Threshold 2.9606 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
38-Sr-90

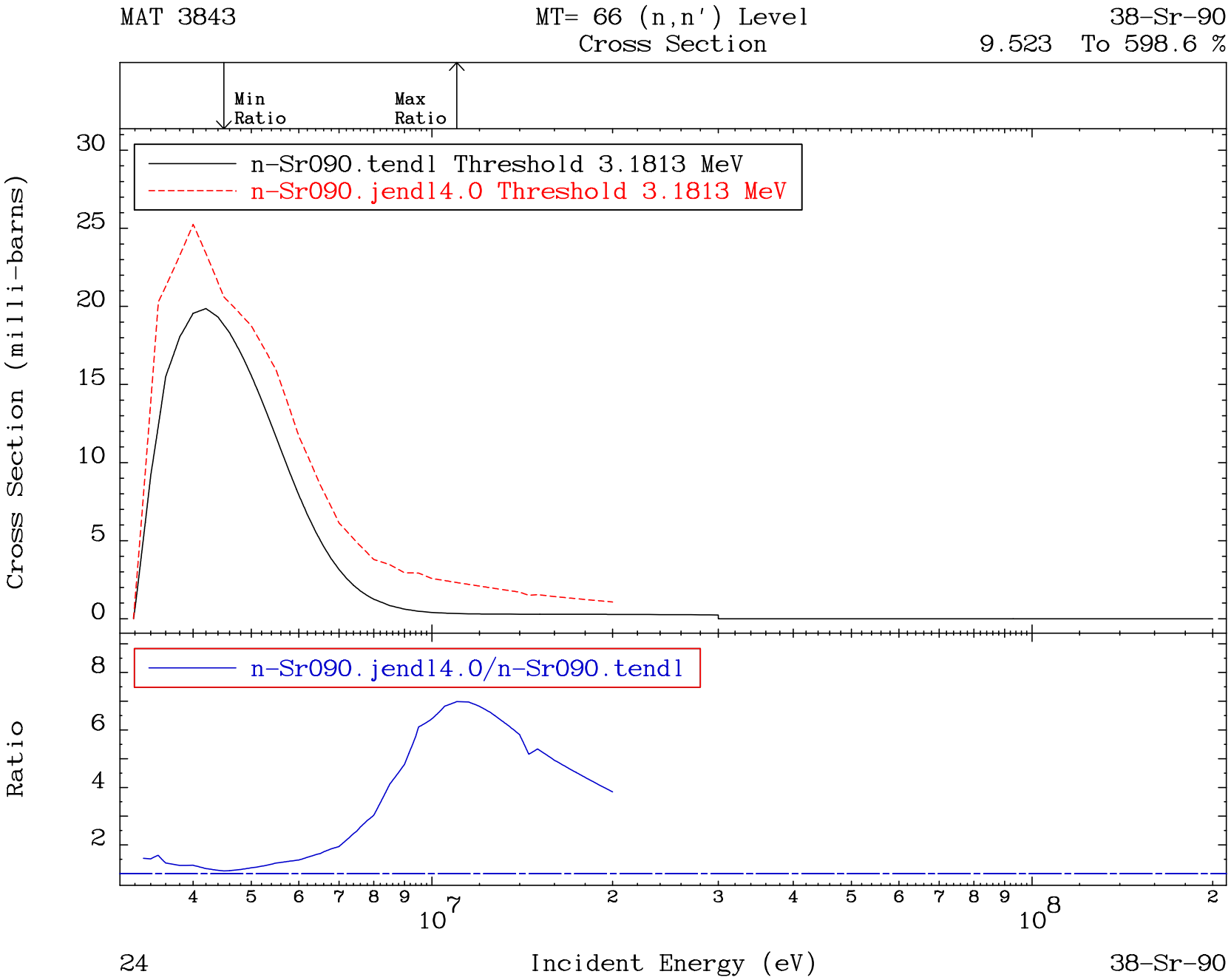

MAT 3843
MT= 61 (n,n') Level
Cross Section
38-Sr-90
-40.19 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.0045 MeV
n-Sr090.jendl4.0 Threshold 3.0045 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
38-Sr-90

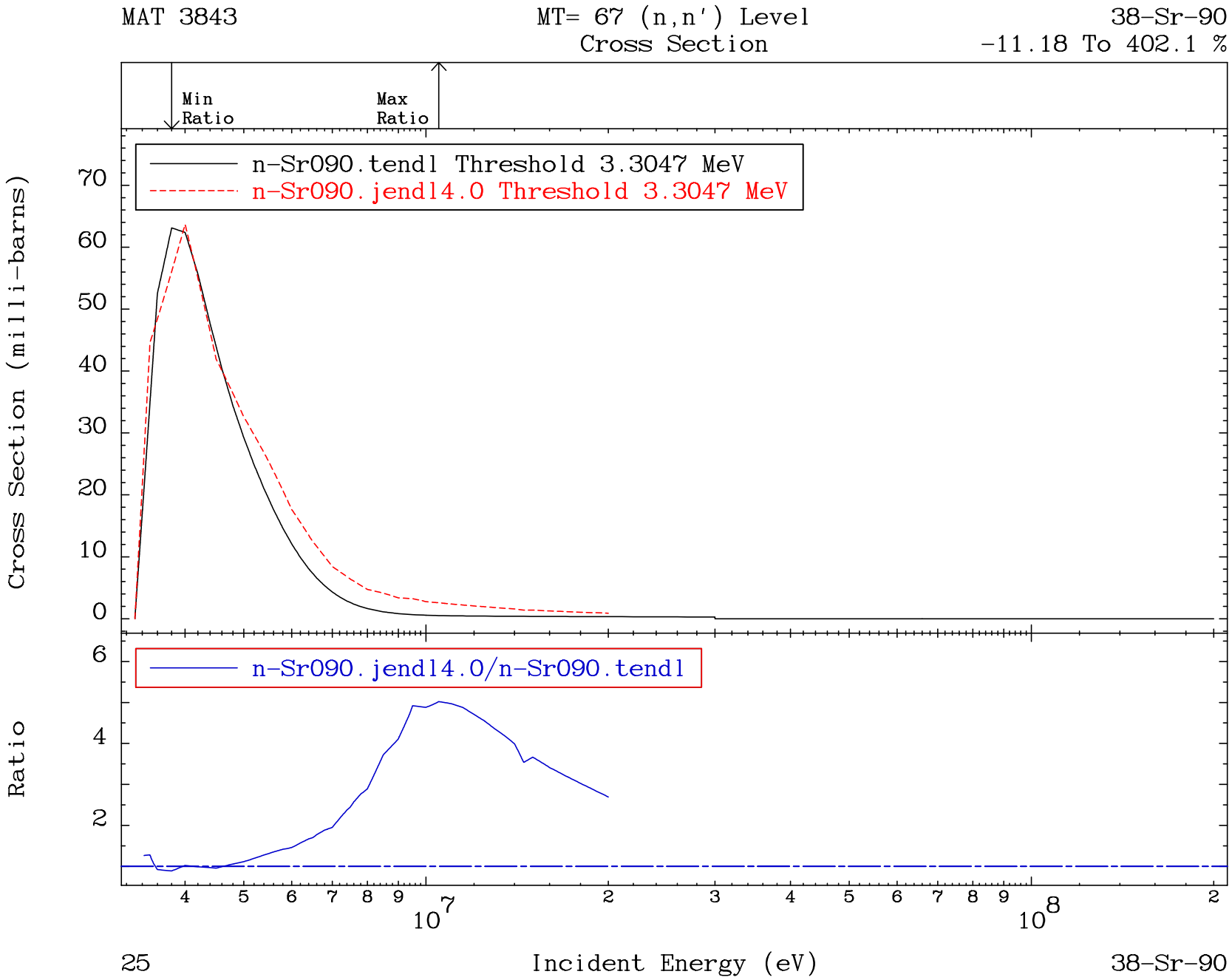

MAT 3843
MT= 62 (n,n') Level
Cross Section
38-Sr-90
-55.04 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.0669 MeV
n-Sr090.jendl4.0 Threshold 3.0669 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
38-Sr-90

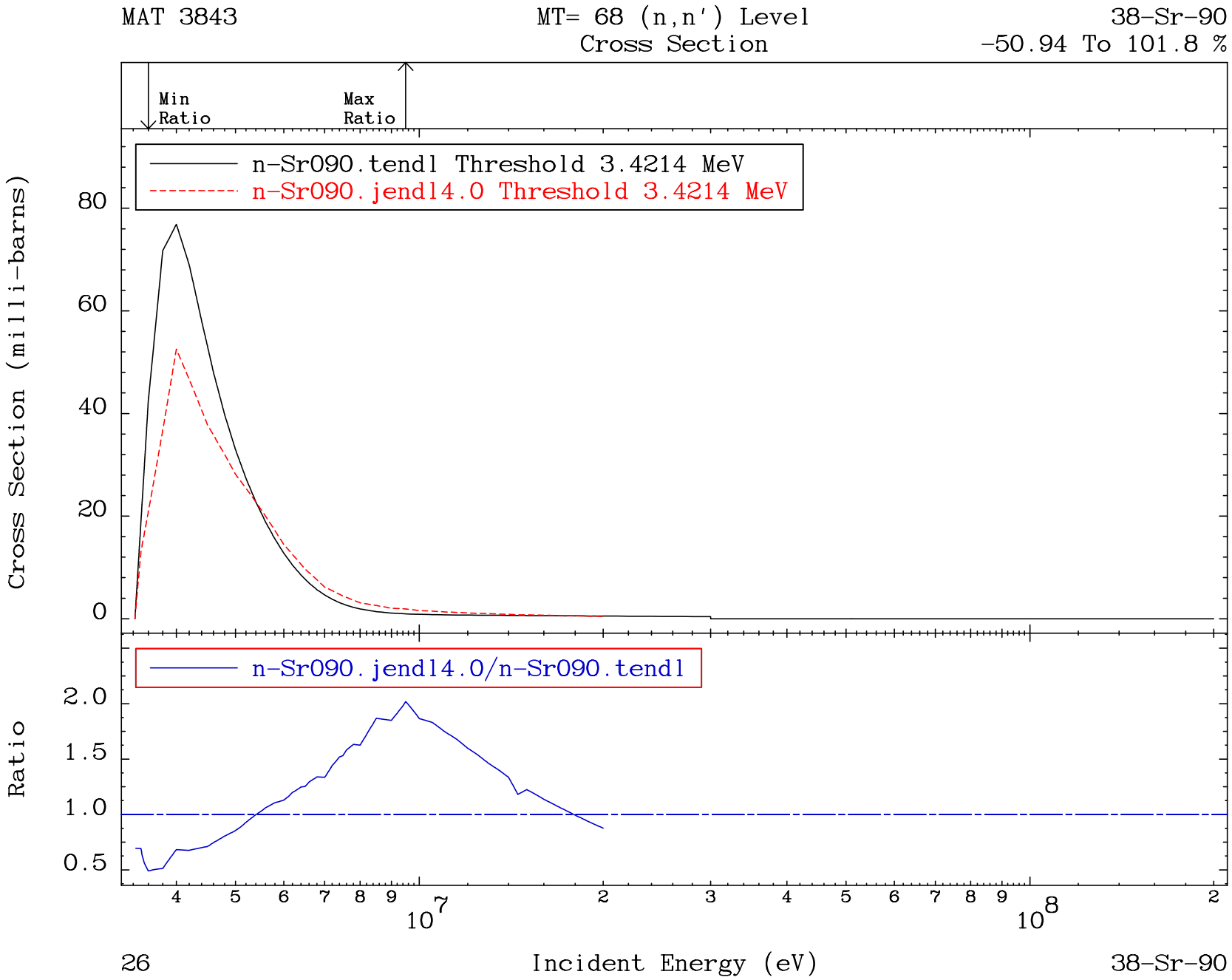

MAT 3843
MT= 63 (n,n') Level
Cross Section
38-Sr-90
-6.719 To 342.4 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.0721 MeV
n-Sr090.jendl4.0 Threshold 3.0721 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
38-Sr-90

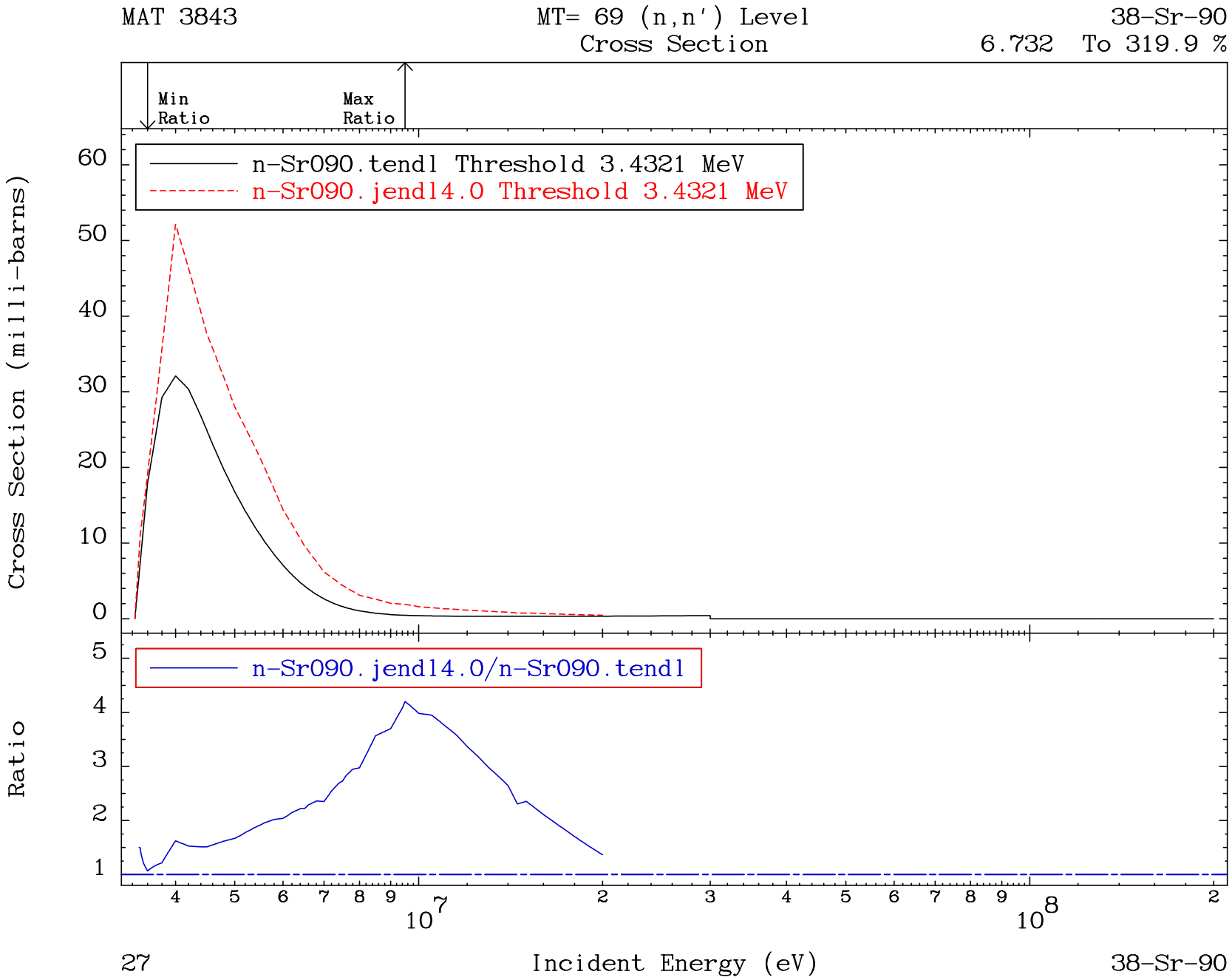

MAT 3843
MT= 64 (n,n') Level
Cross Section
38-Sr-90
290.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.0734 MeV
n-Sr090.jendl4.0 Threshold 3.0734 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^6
10^4
10^2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
38-Sr-90

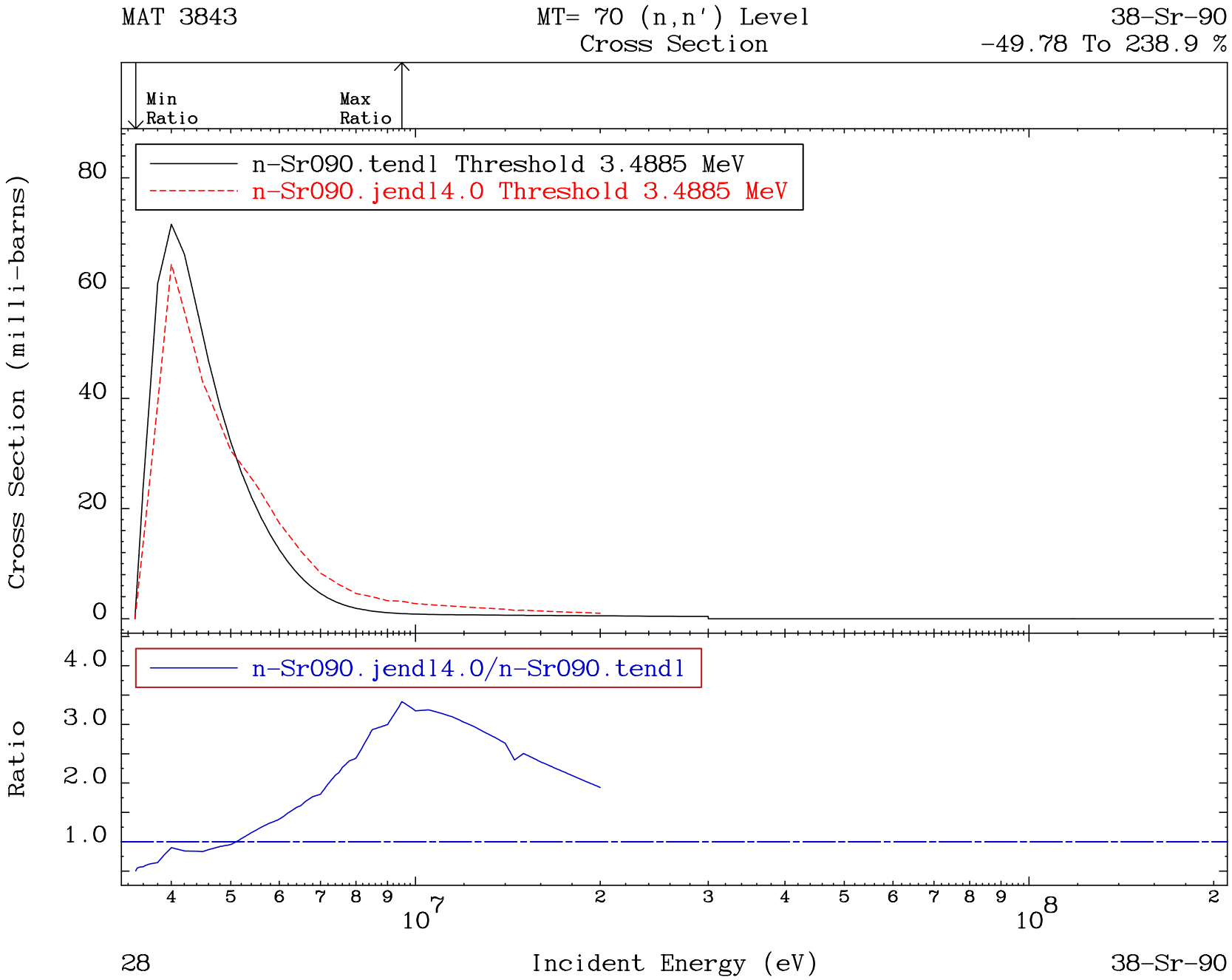

MAT 3843
MT= 65 (n,n') Level
Cross Section
38-Sr-90
35.38 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.1802 MeV
n-Sr090.jendl4.0 Threshold 3.1802 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
38-Sr-90

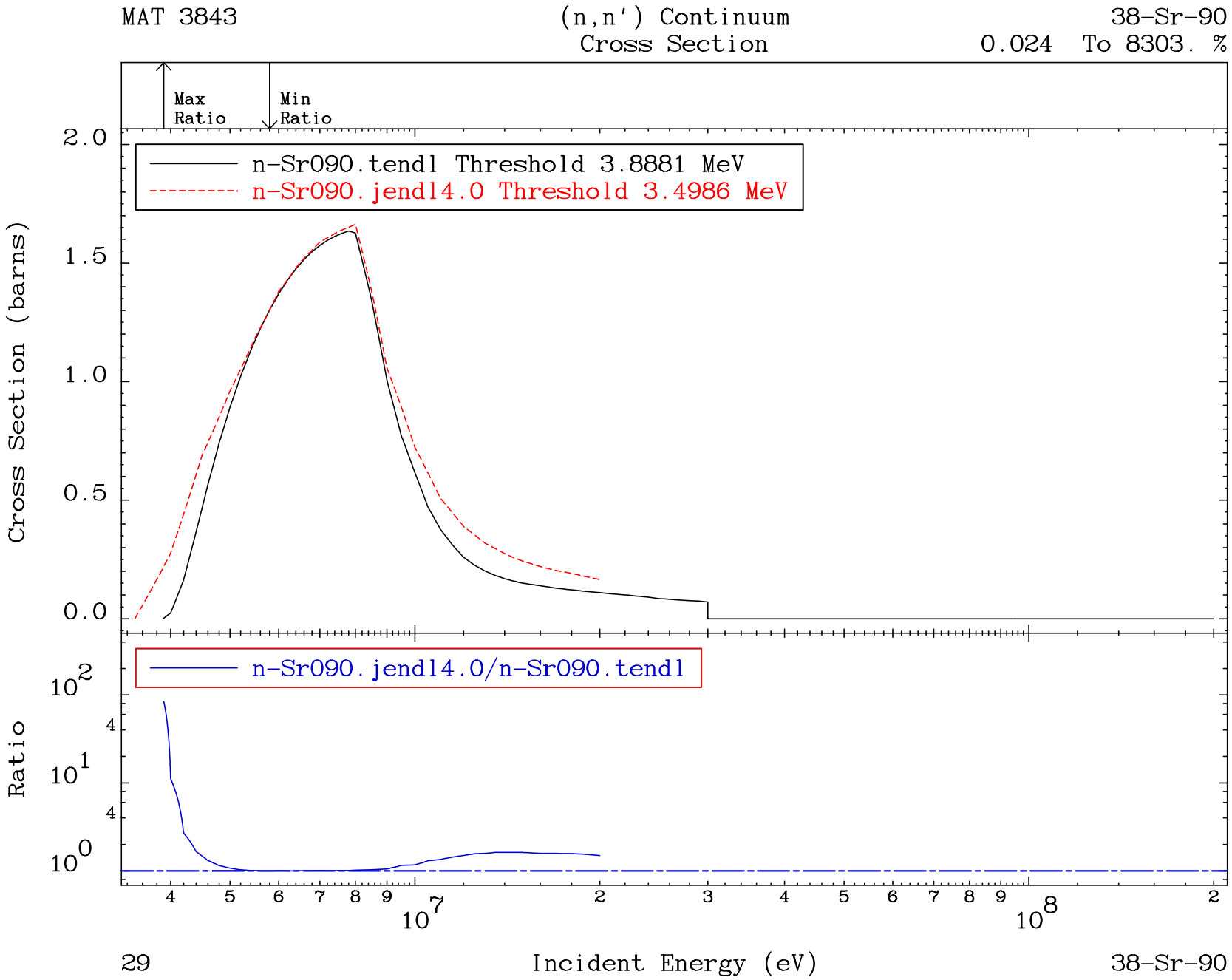

MAT 3843
MT= 66 (n,n') Level
Cross Section
38-Sr-90
9.523 To 598.6 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.1813 MeV
n-Sr090.jendl4.0 Threshold 3.1813 MeV
Cross Section (milli-barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
24
38-Sr-90

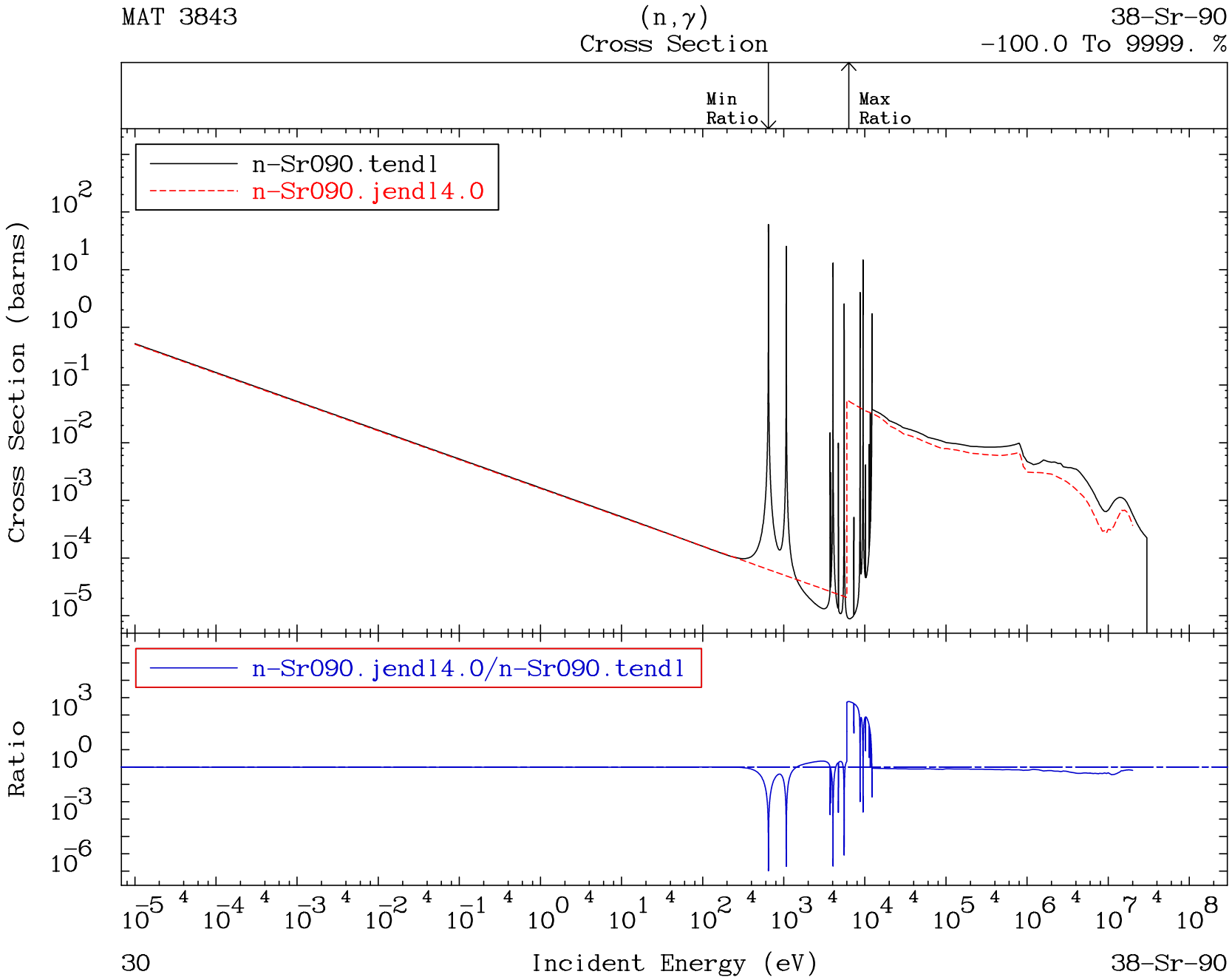

MAT 3843
MT= 67 (n,n') Level
Cross Section
38-Sr-90
-11.18 To 402.1 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.3047 MeV
n-Sr090.jendl4.0 Threshold 3.3047 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
25
38-Sr-90

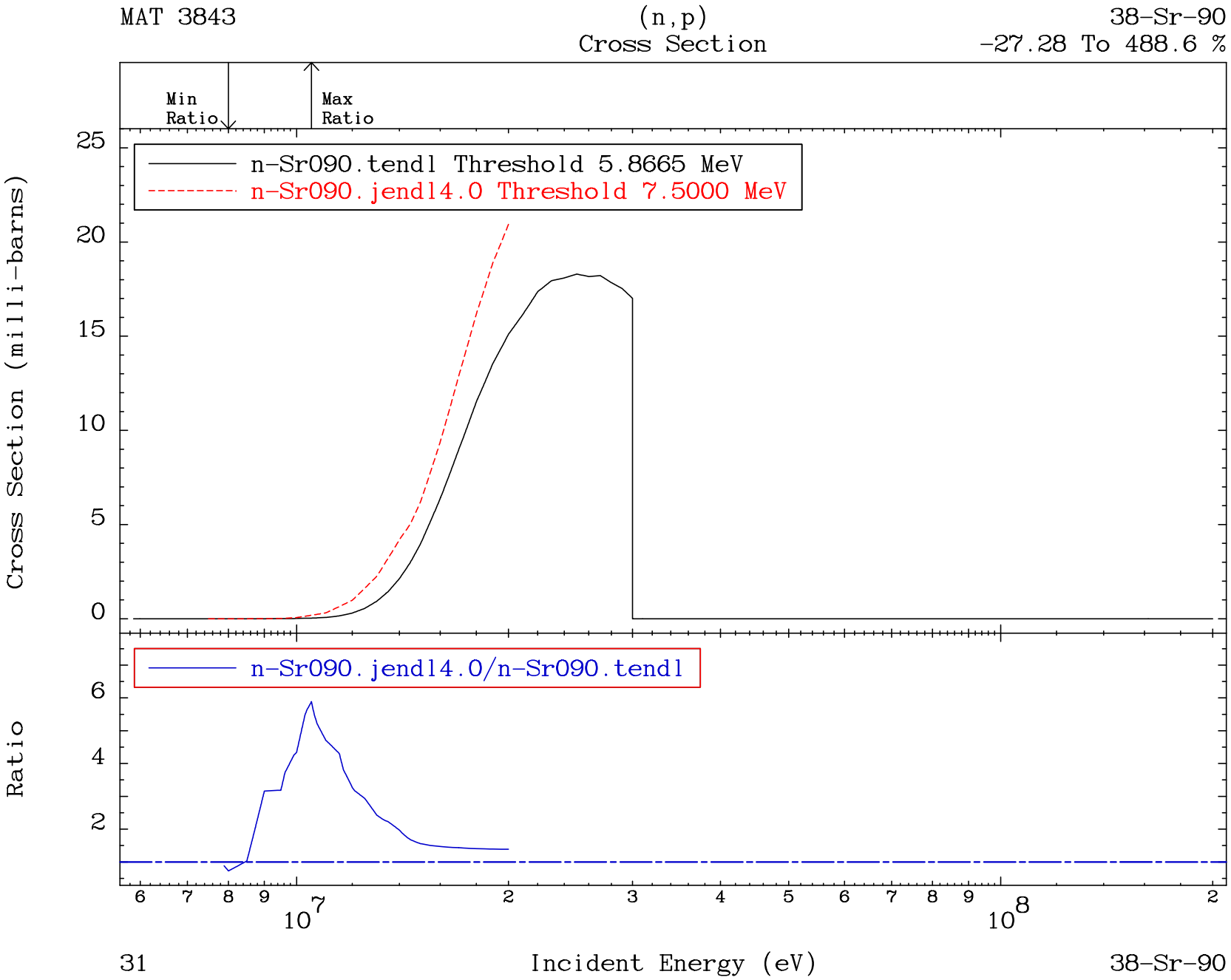

MAT 3843
MT= 68 (n,n') Level
Cross Section
38-Sr-90
-50.94 To 101.8 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.4214 MeV
n-Sr090.jendl4.0 Threshold 3.4214 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
2.0
1.5
1.0
0.5
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
38-Sr-90

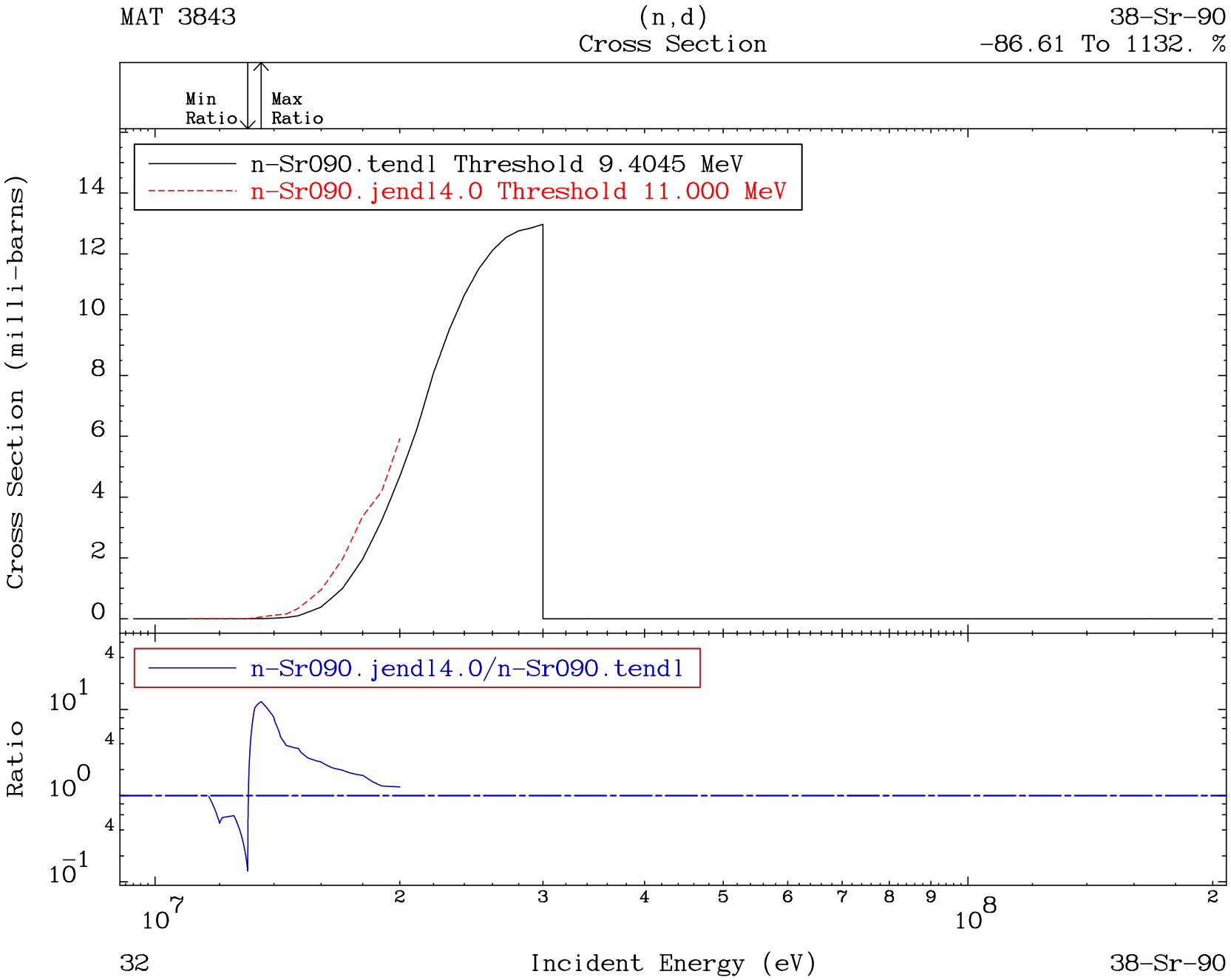

MAT 3843
MT= 69 (n,n') Level
Cross Section
38-Sr-90
6.732 To 319.9 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.4321 MeV
n-Sr090.jendl4.0 Threshold 3.4321 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
5
4
3
2
1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
38-Sr-90

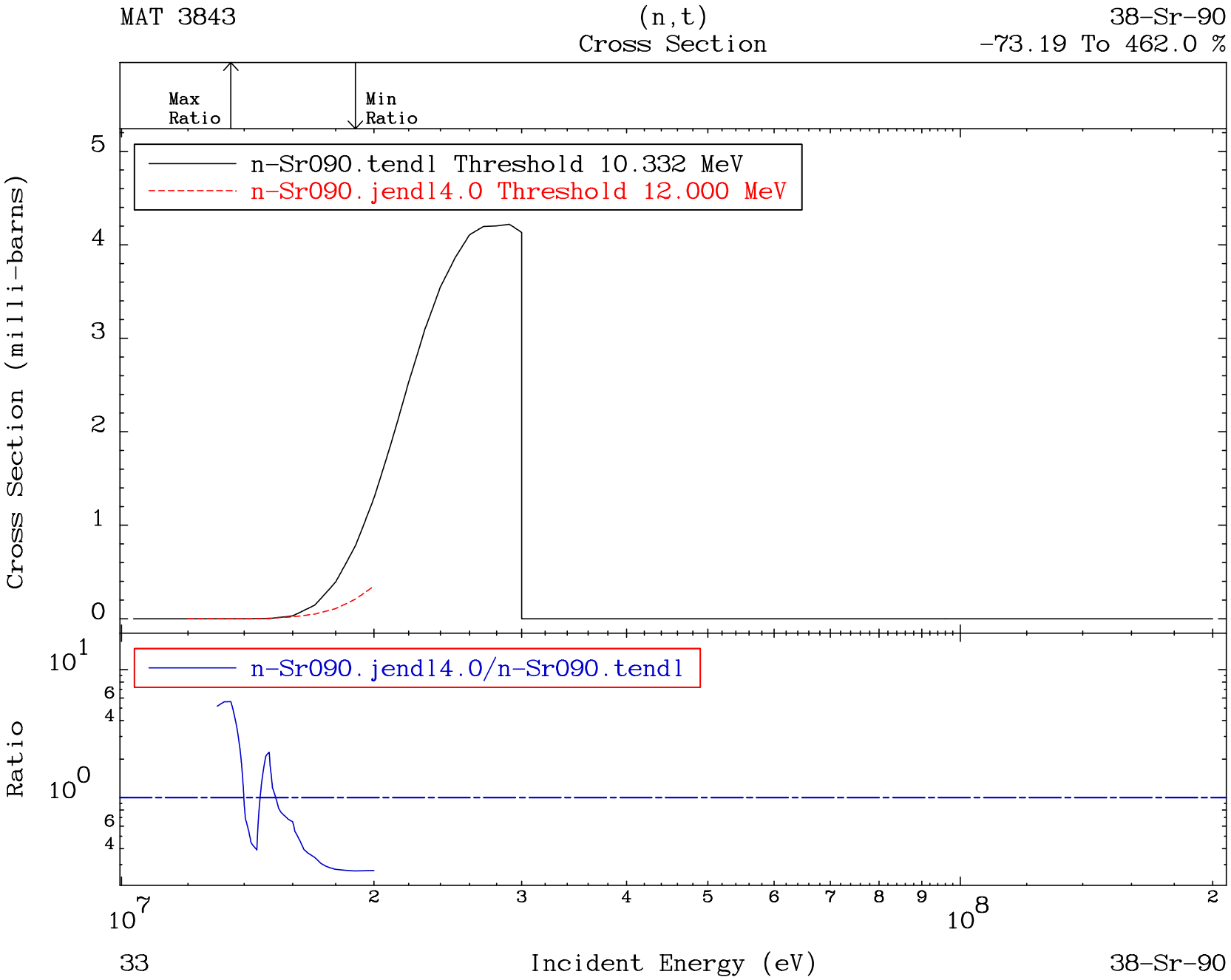

MAT 3843
MT= 70 (n,n') Level
Cross Section
38-Sr-90
-49.78 To 238.9 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 3.4885 MeV
n-Sr090.jendl4.0 Threshold 3.4885 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
4.0
3.0
2.0
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-90

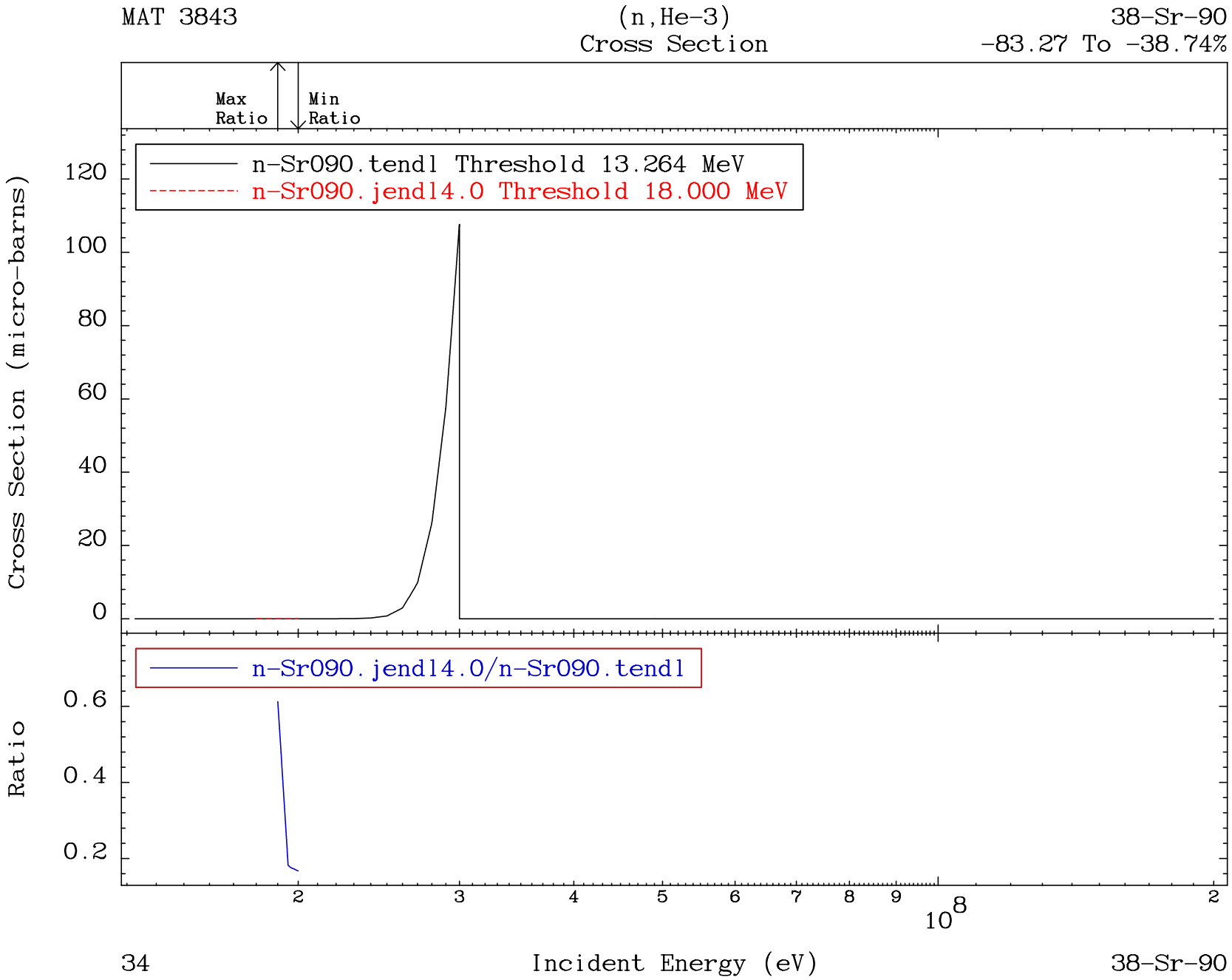

MAT 3843
(n,n') Continuum
Cross Section
38-Sr-90
0.024 To 8303. %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 3.8881 MeV
n-Sr090.jendl4.0 Threshold 3.4986 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^2
10^1
10^0
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
38-Sr-90

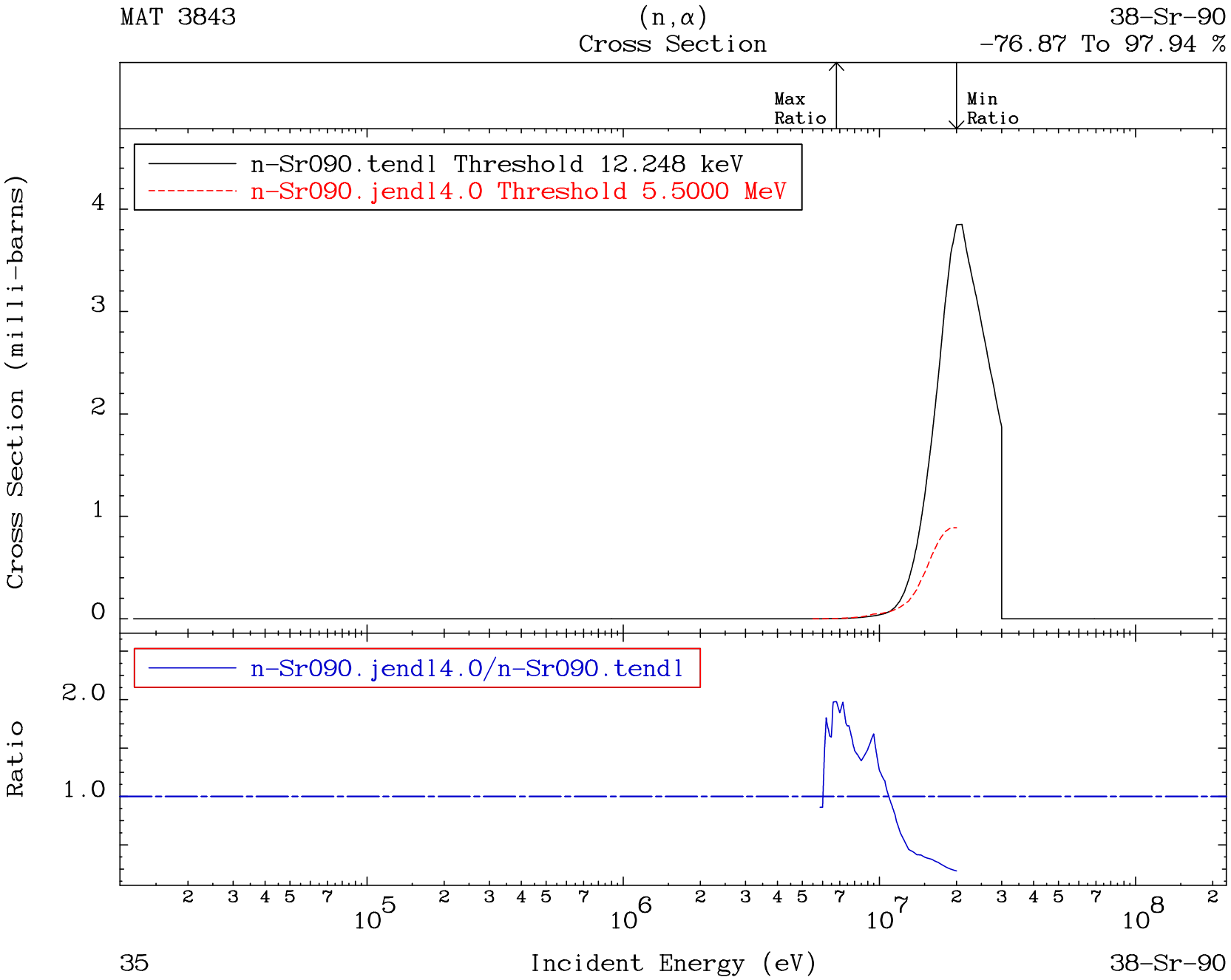

MAT 3843
(n,γ)
Cross Section
38-Sr-90
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
30
38-Sr-90

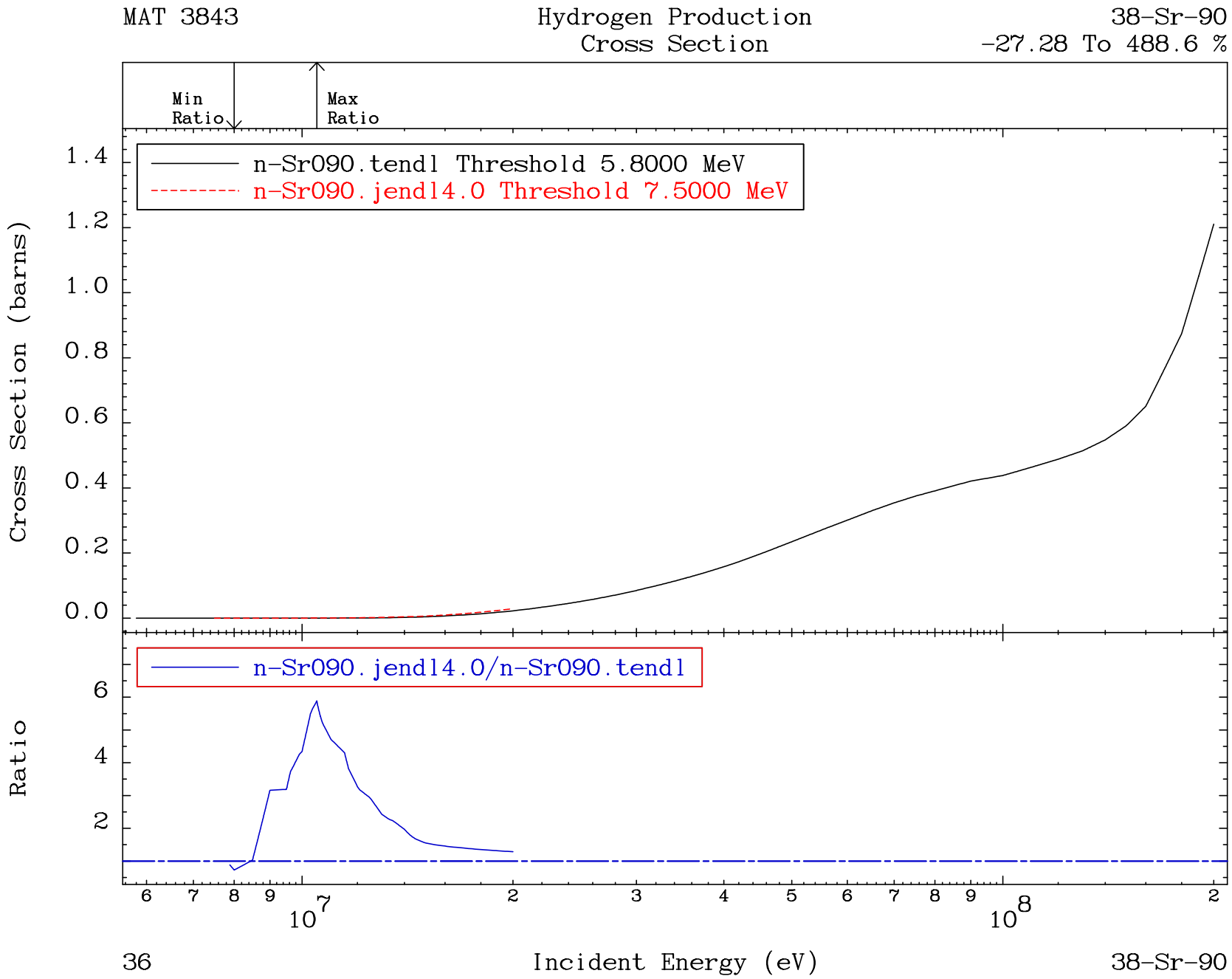

MAT 3843
(n,p)
Cross Section
38-Sr-90
-27.28 To 488.6 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 5.8665 MeV
n-Sr090.jendl4.0 Threshold 7.5000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
6
4
2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
38-Sr-90

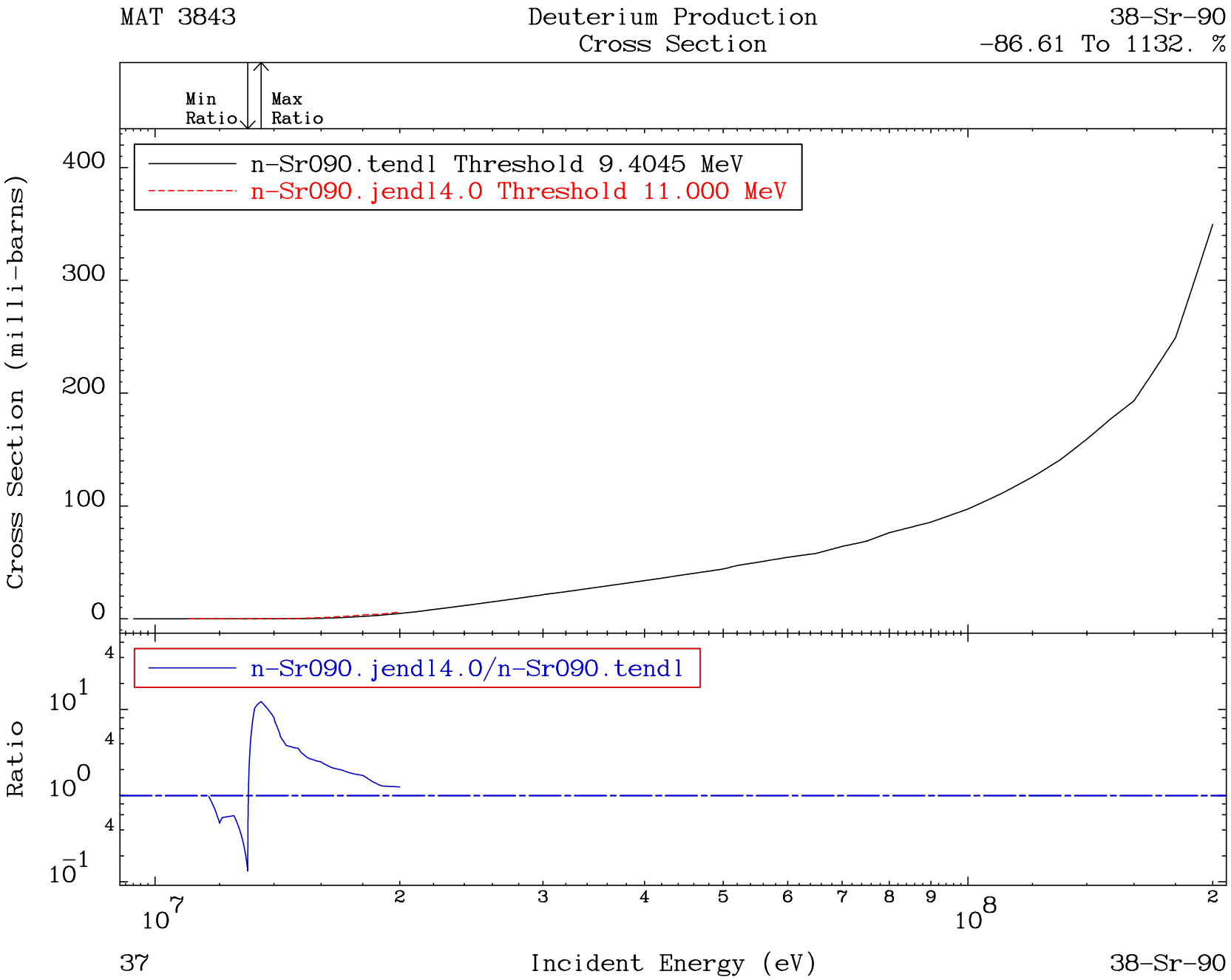

MAT 3843
(n,d)
Cross Section
38-Sr-90
-86.61 To 1132. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 9.4045 MeV
n-Sr090.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^{1}
10^{0}
10^{-1}
10^{7}
10^{8}
2
3
4
5
6
7
8
9
32
Incident Energy (eV)
38-Sr-90

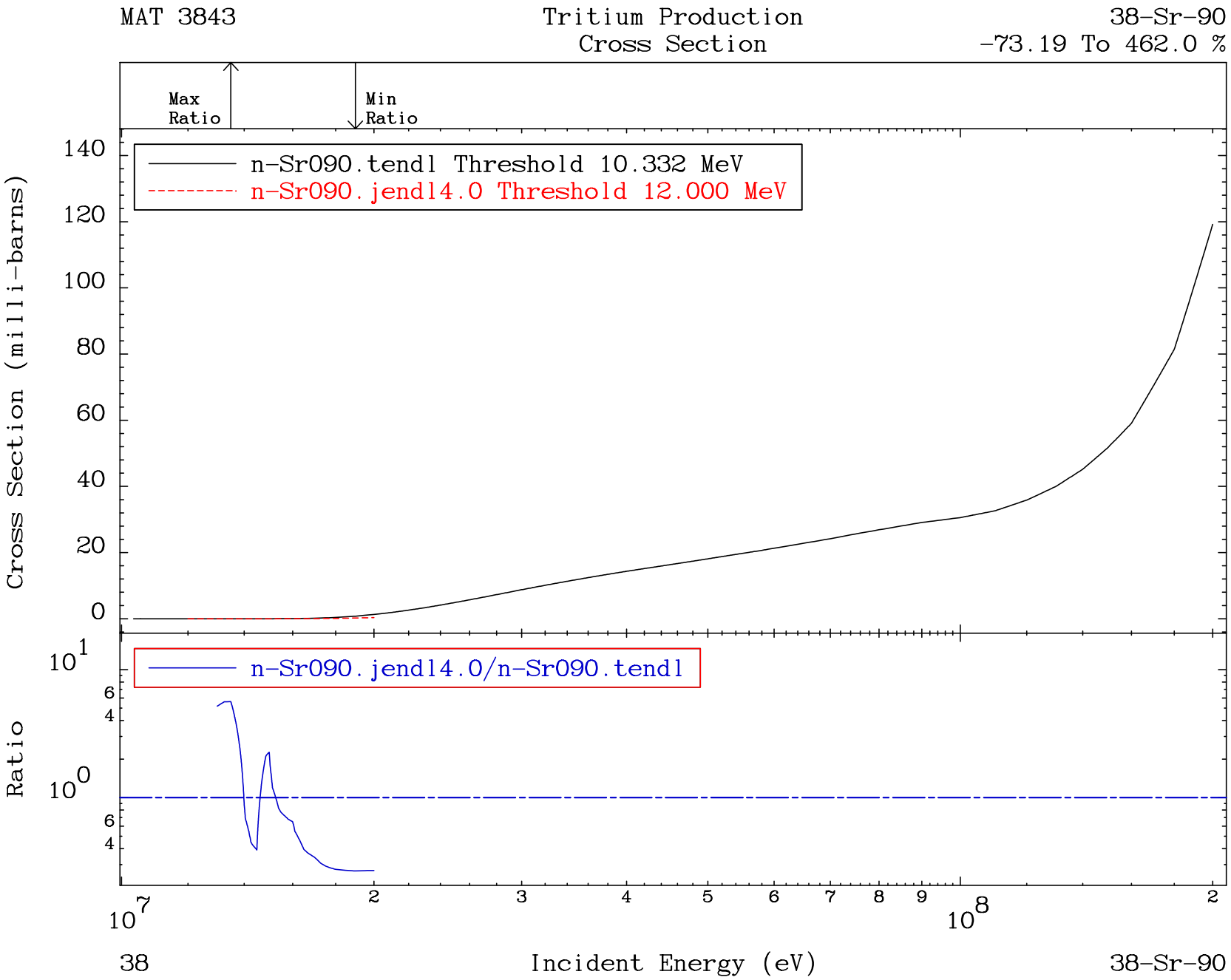

MAT 3843
(n,t)
Cross Section
38-Sr-90
-73.19 To 462.0 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 10.332 MeV
n-Sr090.jendl4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
33
38-Sr-90

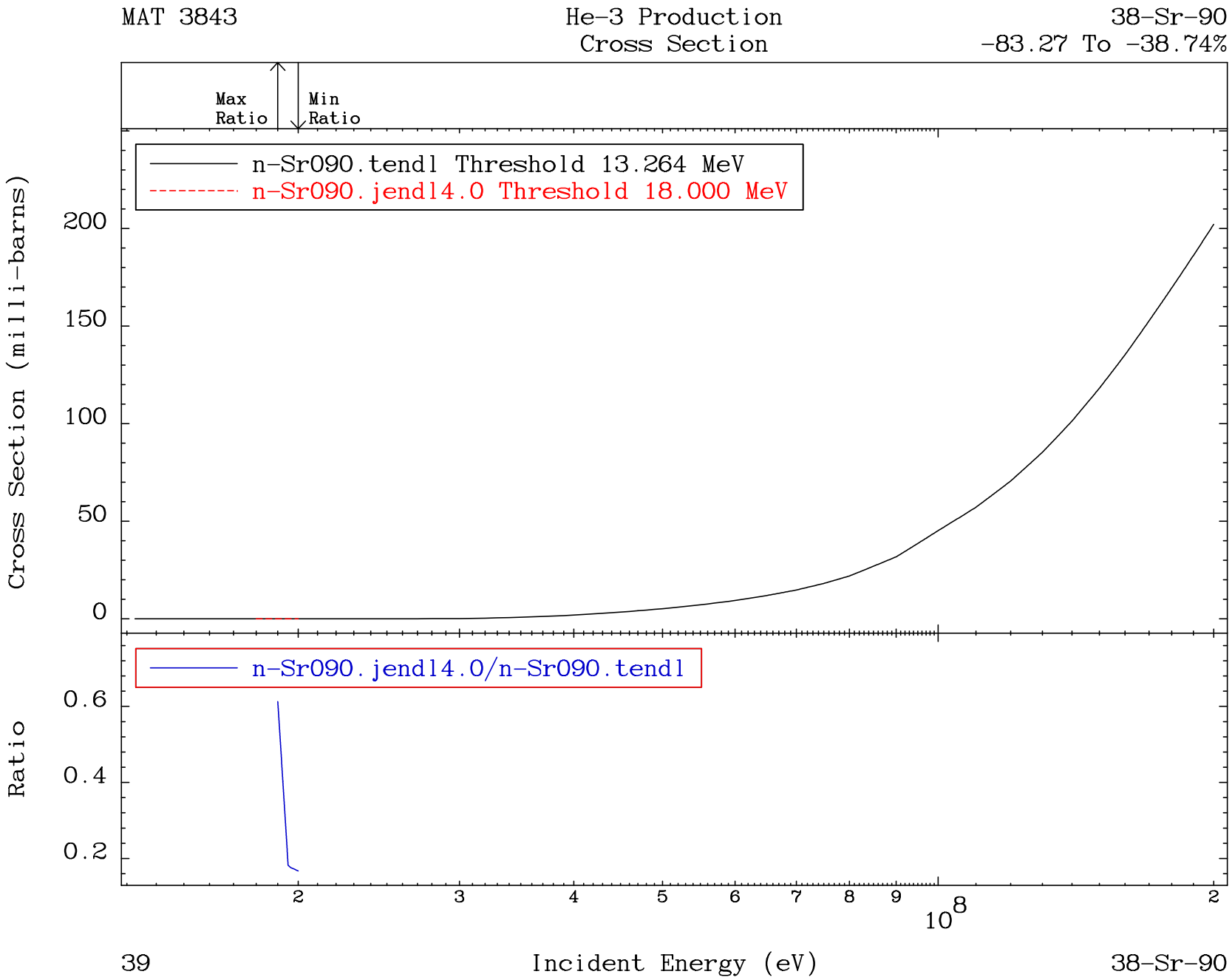

MAT 3843
(n,He-3)
Cross Section
38-Sr-90
-83.27 To -38.74%
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 13.264 MeV
n-Sr090.jendl4.0 Threshold 18.000 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
0.6
0.4
0.2
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
38-Sr-90

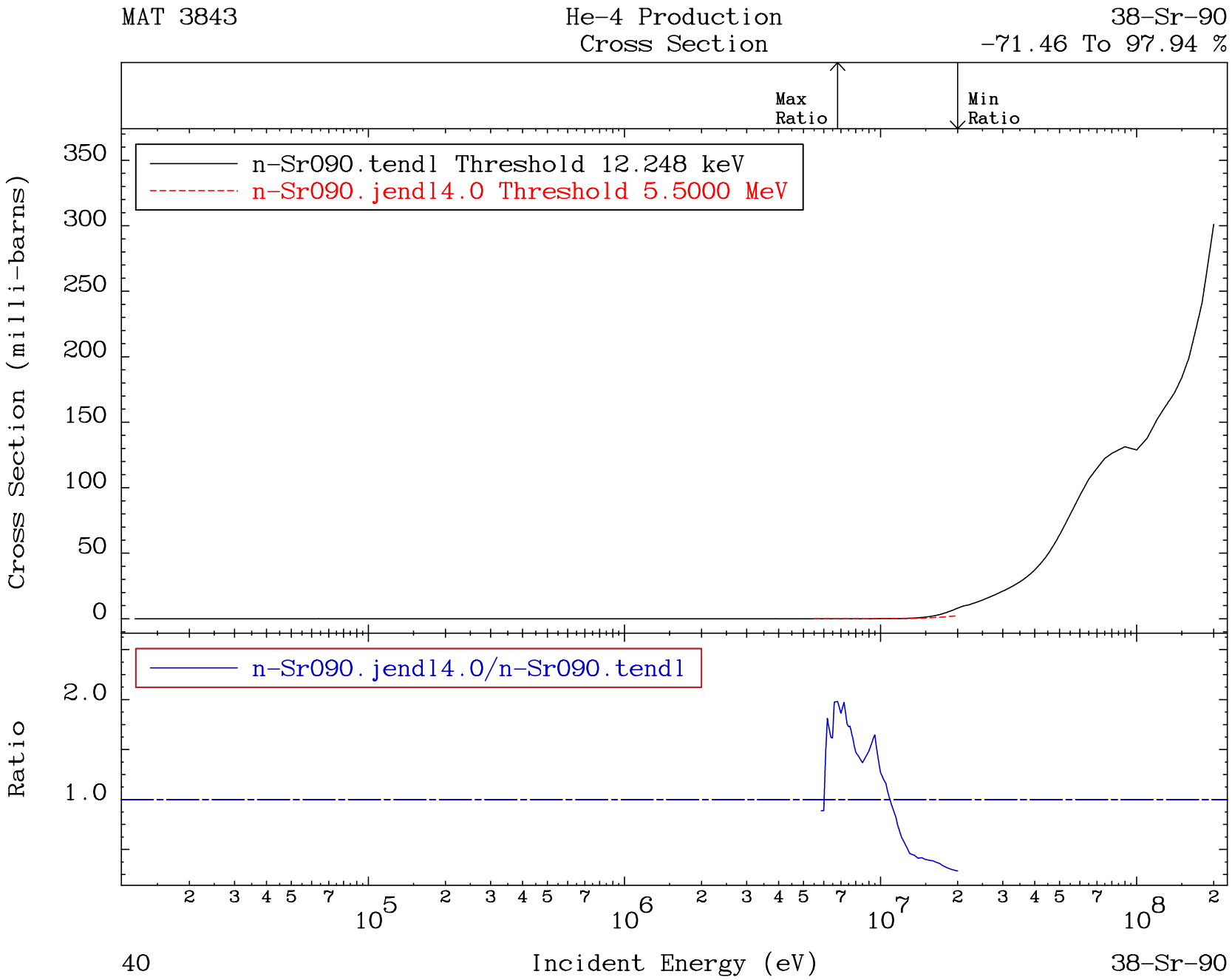

MAT 3843
(n,α)
Cross Section
38-Sr-90
-76.87 To 97.94 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 12.248 keV
n-Sr090.jendl4.0 Threshold 5.5000 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
1.0
2.0
2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
35
Incident Energy (eV)
38-Sr-90

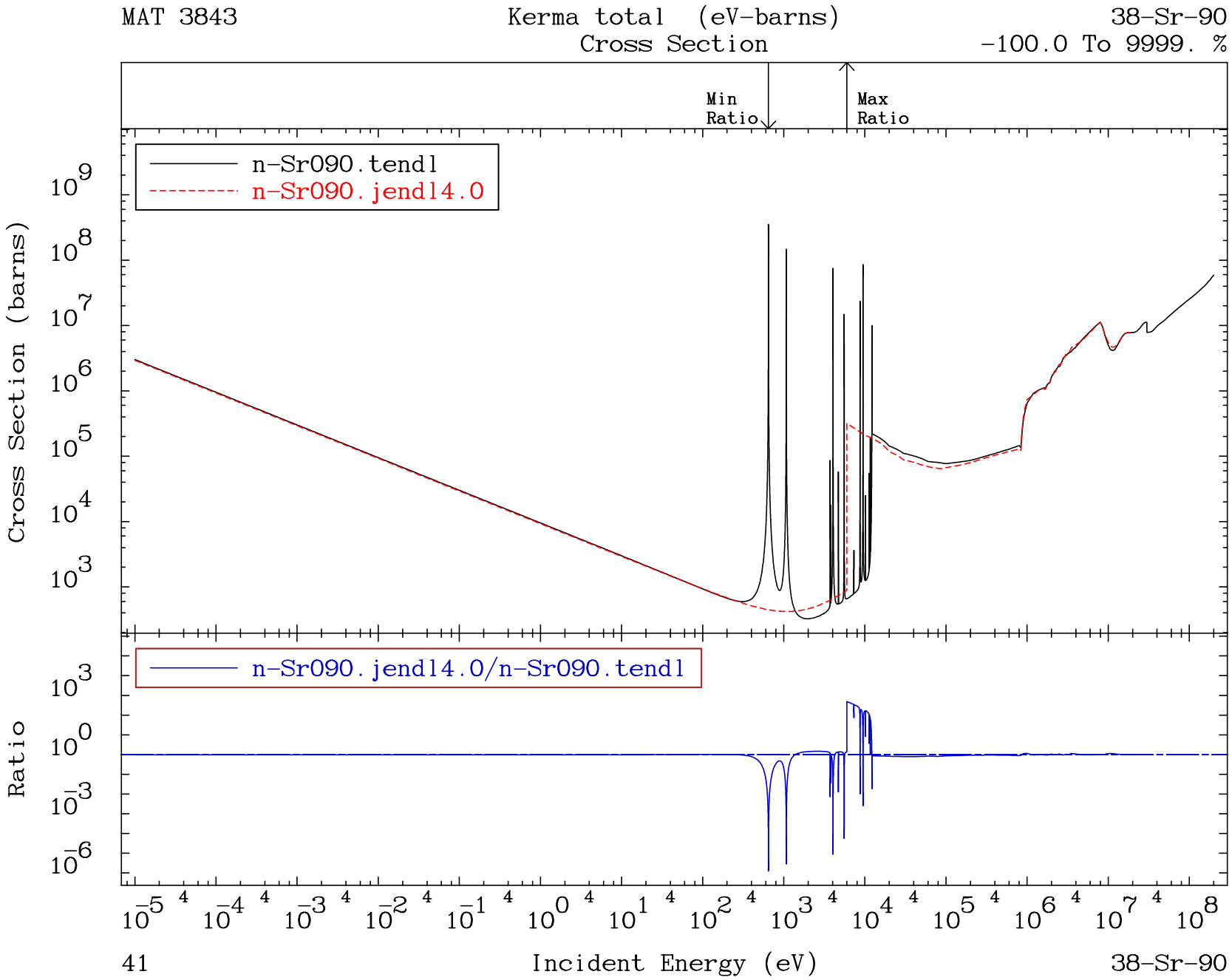

MAT 3843
Hydrogen Production
Cross Section
38-Sr-90
-27.28 To 488.6 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 5.8000 MeV
n-Sr090.jendl4.0 Threshold 7.5000 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
6
4
2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
38-Sr-90

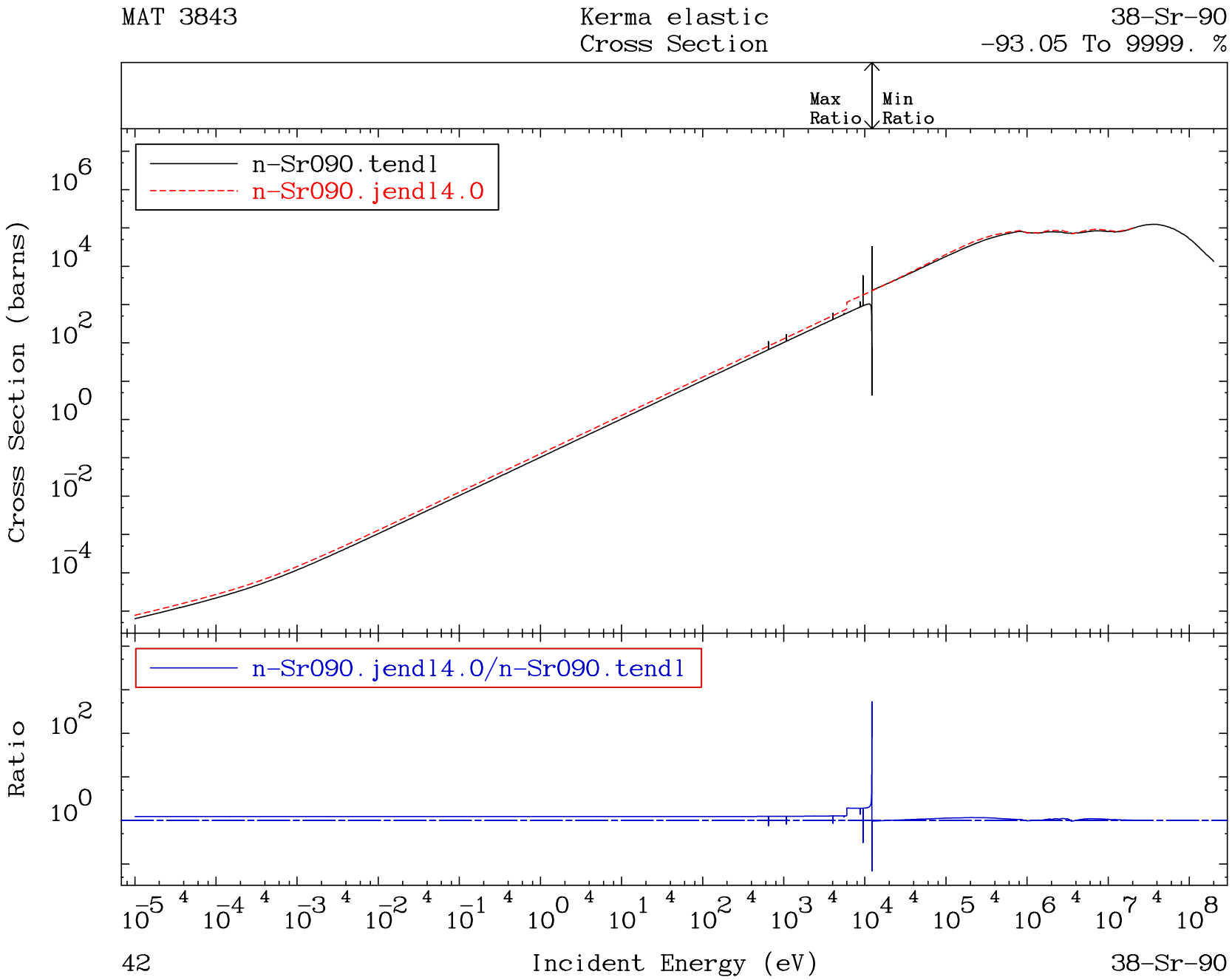

MAT 3843
Deuterium Production
Cross Section
38-Sr-90
-86.61 To 1132. %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 9.4045 MeV
n-Sr090.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^1
10^0
10^-1
10^7
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
38-Sr-90

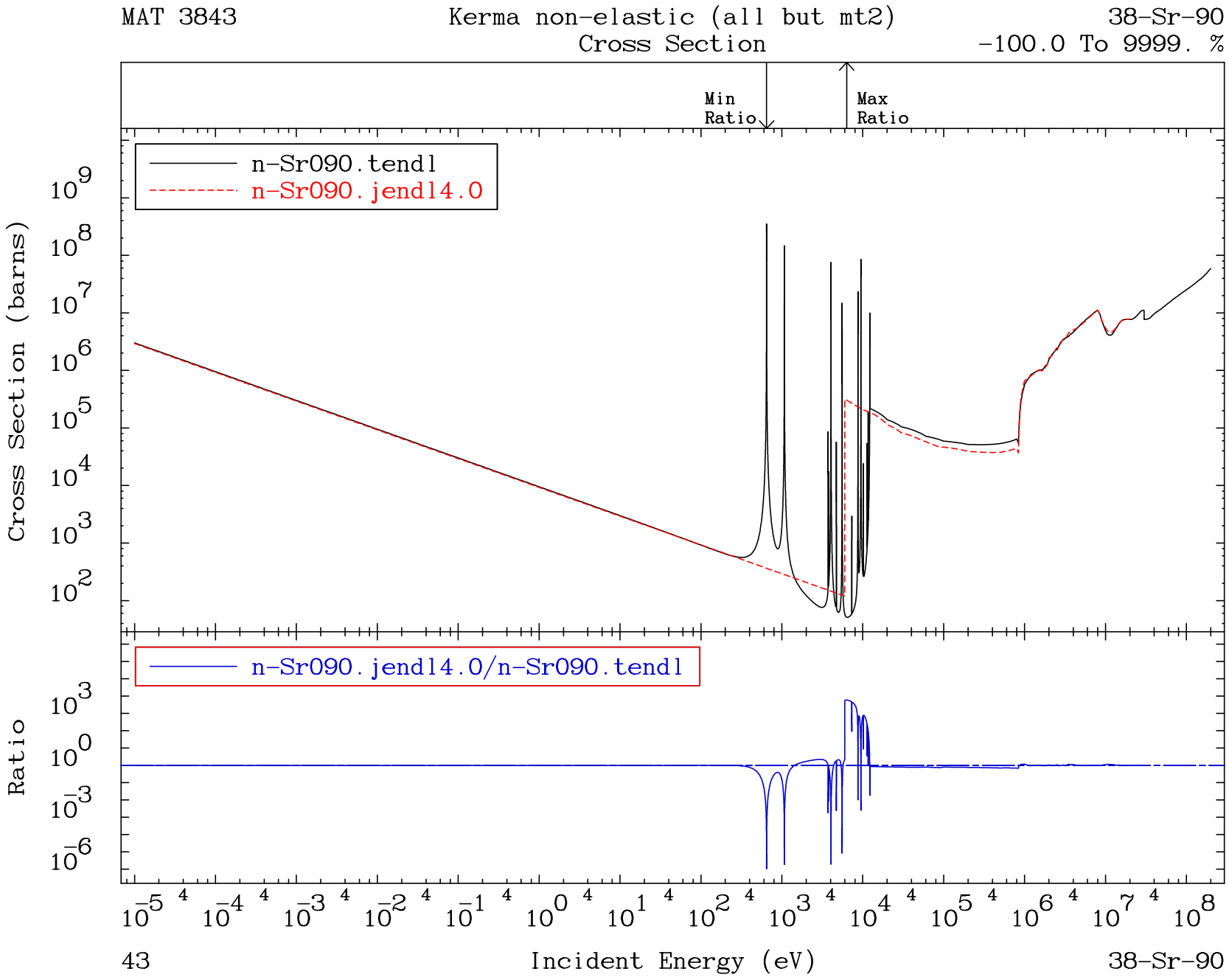

MAT 3843
Tritium Production
Cross Section
38-Sr-90
-73.19 To 462.0 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 10.332 MeV
n-Sr090.jendl4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^1
10^0
6
4
6
4
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
38-Sr-90

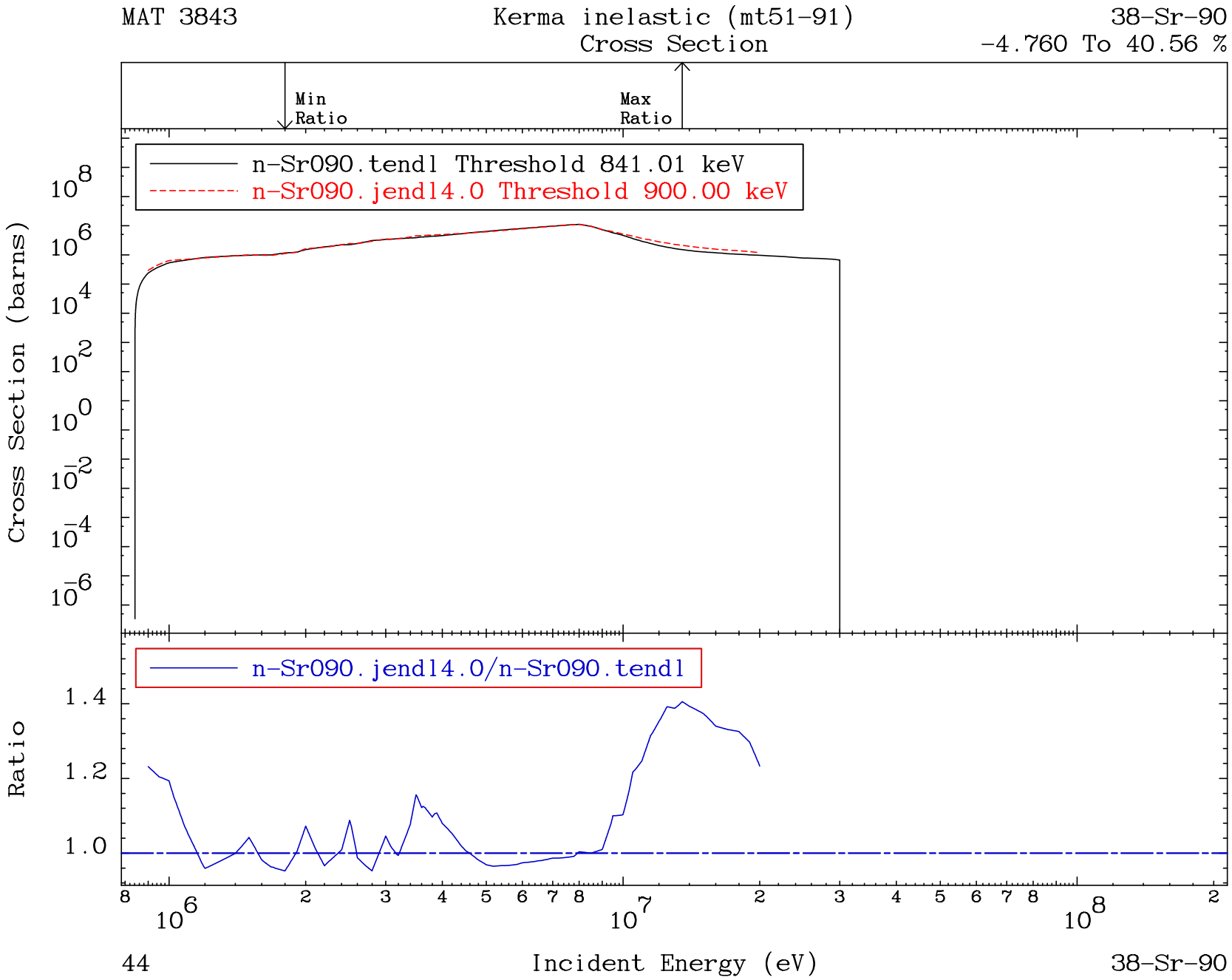

MAT 3843
He-3 Production
Cross Section
38-Sr-90
-83.27 To -38.74%
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 13.264 MeV
n-Sr090.jendl4.0 Threshold 18.000 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
0.6
0.4
0.2
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
38-Sr-90

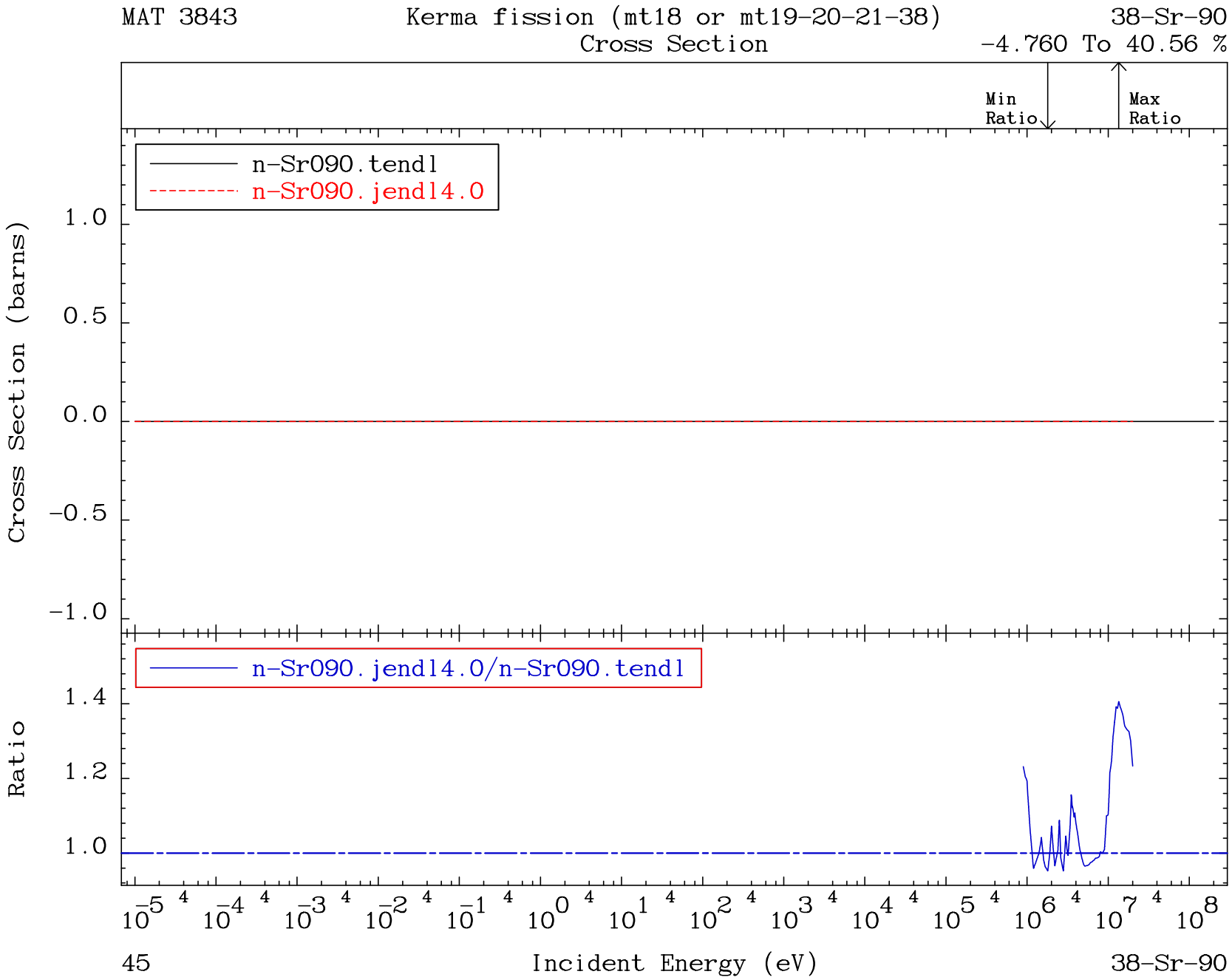

MAT 3843
He-4 Production
Cross Section
38-Sr-90
-71.46 To 97.94 %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 12.248 keV
n-Sr090.jendl4.0 Threshold 5.5000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
2.0
1.0
2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
40
Incident Energy (eV)
38-Sr-90

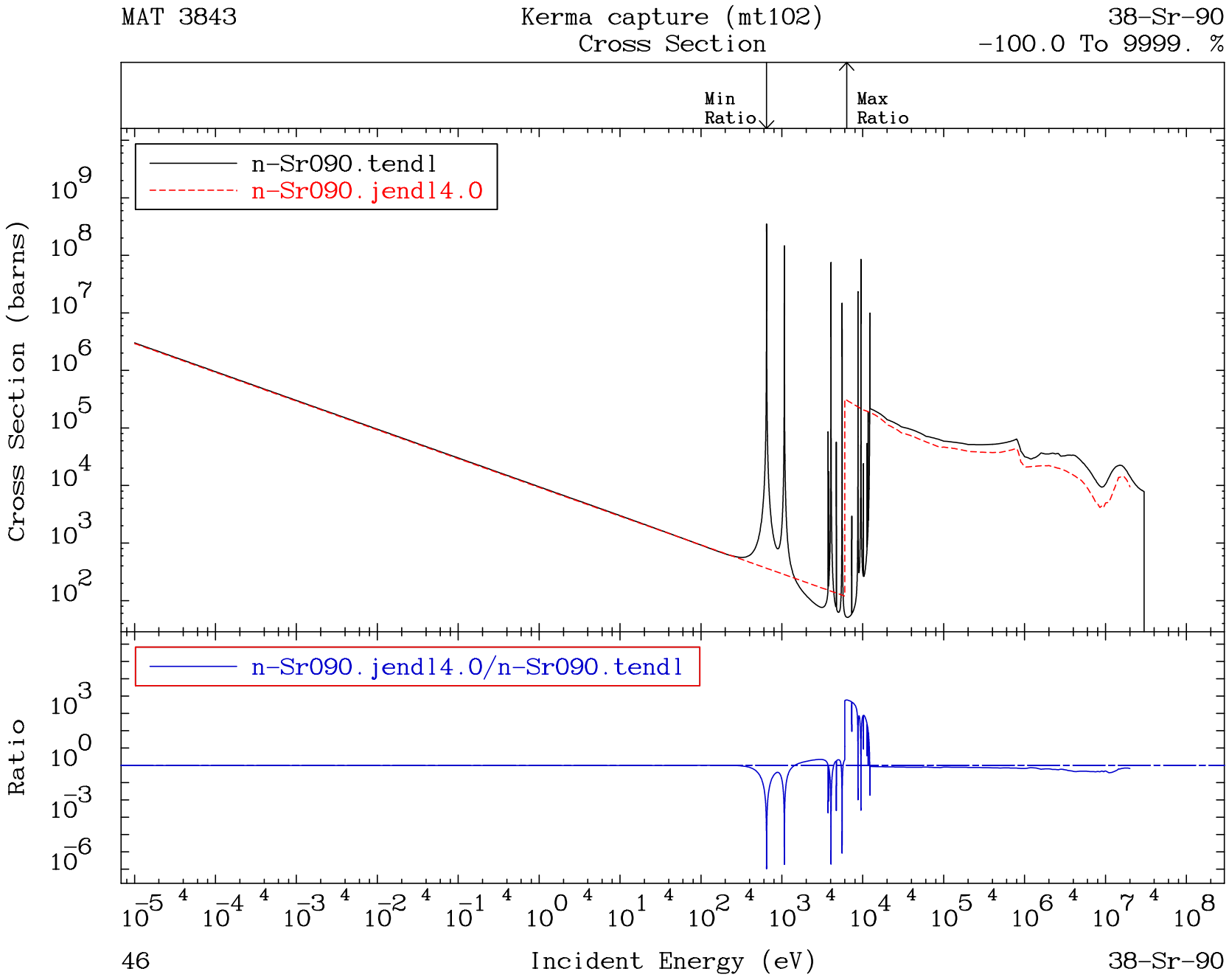

MAT 3843
Kerma total (eV-barns)
Cross Section
38-Sr-90
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
41
38-Sr-90

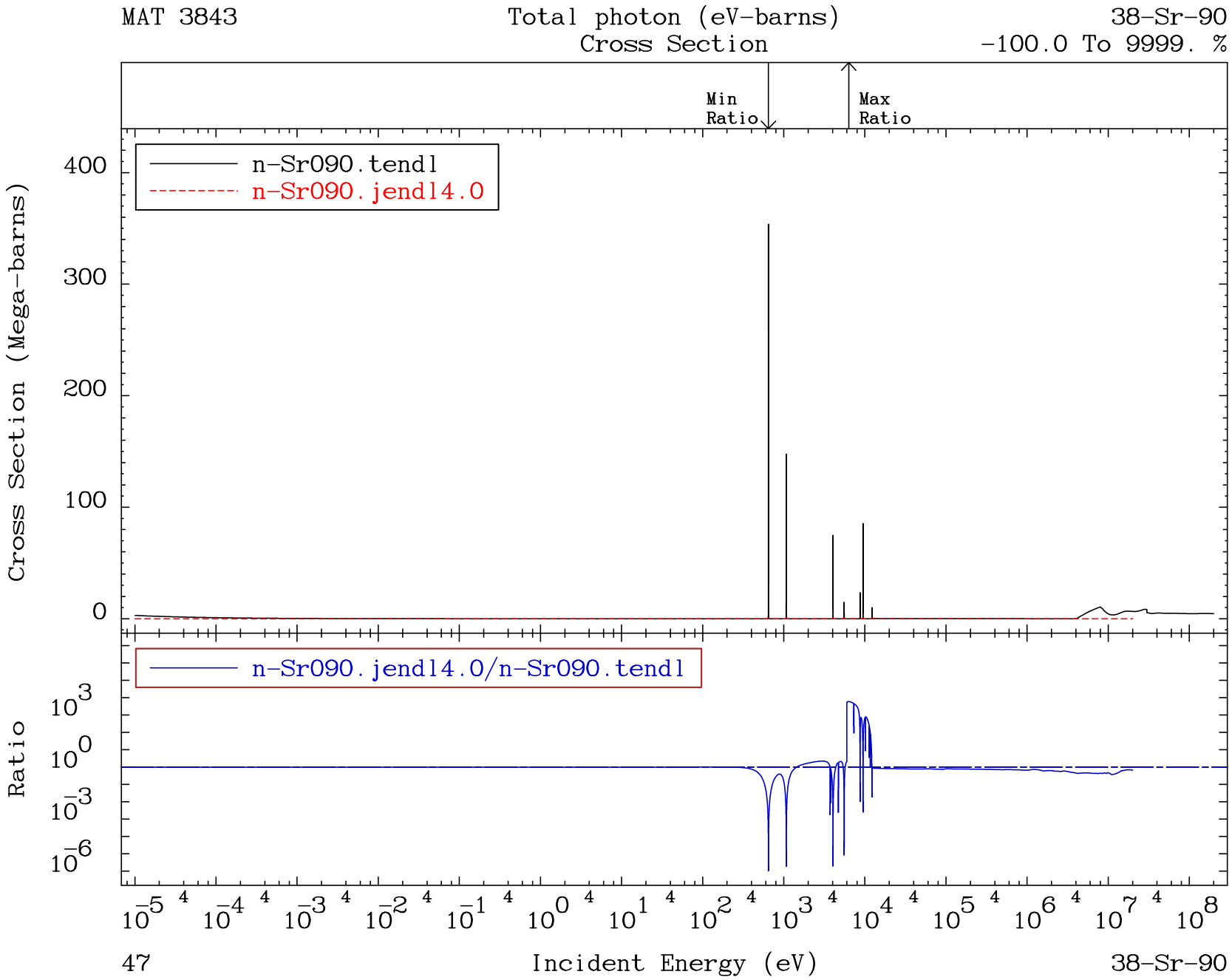

MAT 3843
Kerma elastic
Cross Section
38-Sr-90
-93.05 To 9999. %
Max Ratio
Min Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
42
38-Sr-90

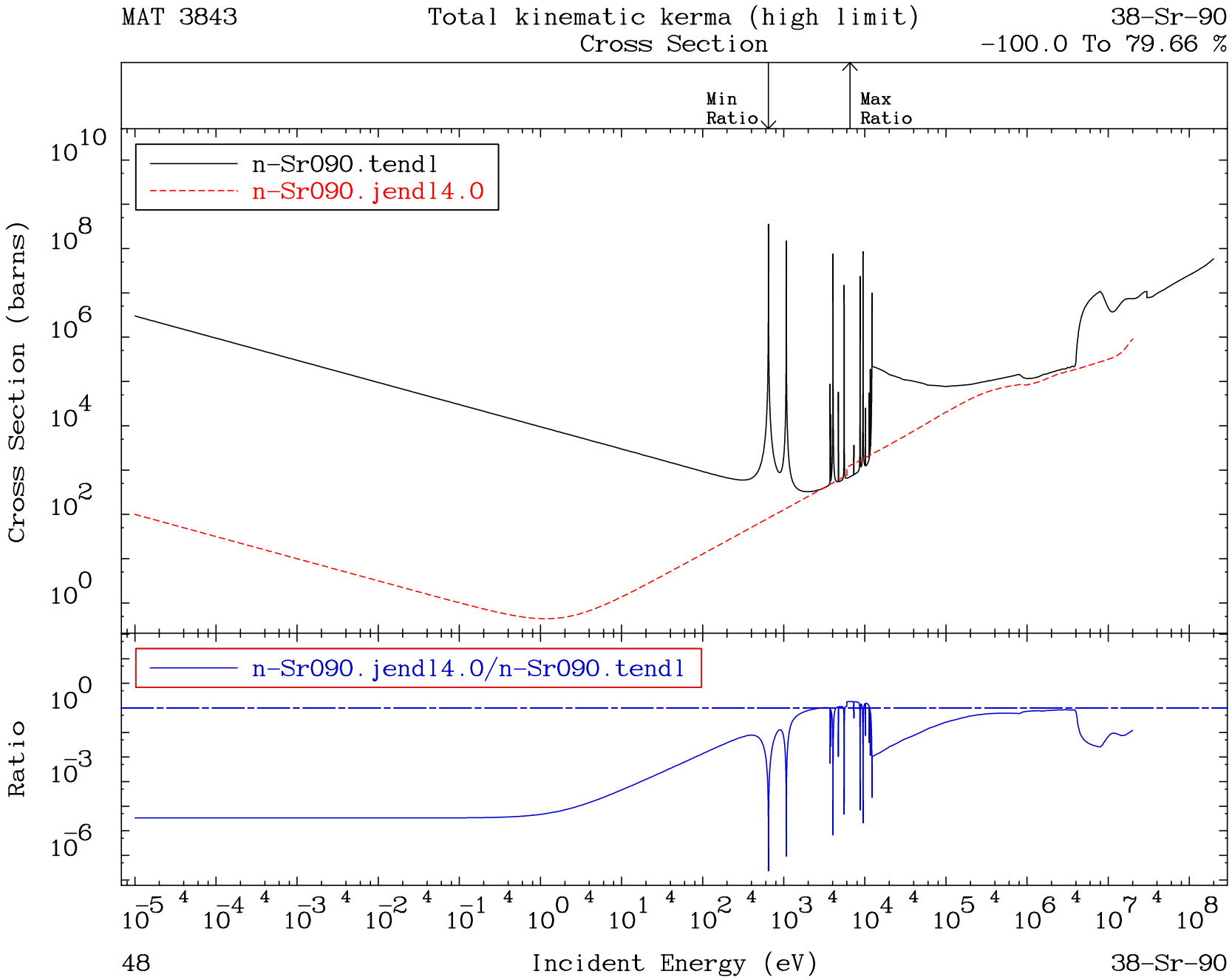

MAT 3843
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-90
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
43
38-Sr-90

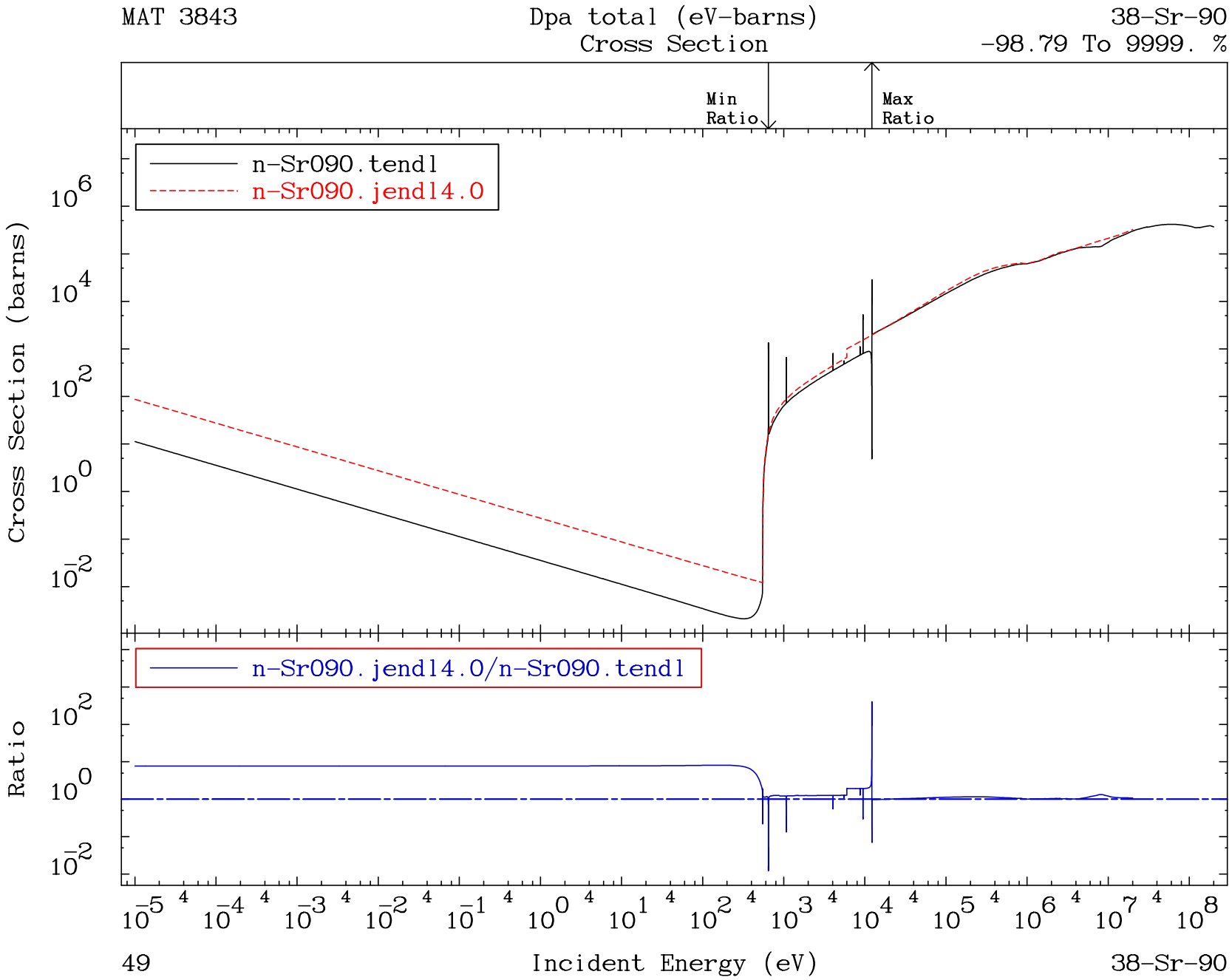

MAT 3843
Kerma inelastic (mt51-91)
Cross Section
38-Sr-90
-4.760 To 40.56 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 841.01 keV
n-Sr090.jendl4.0 Threshold 900.00 keV
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
44
38-Sr-90

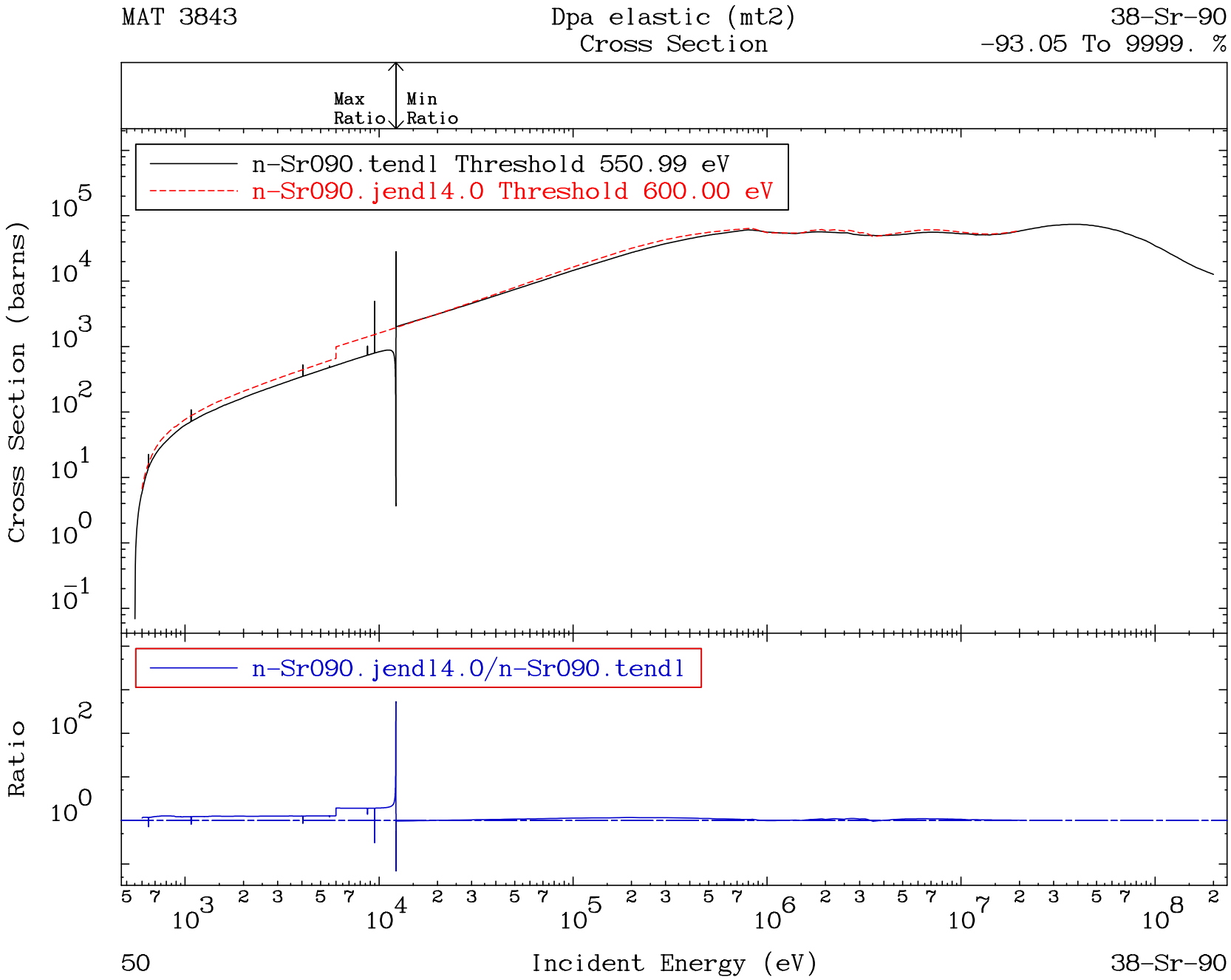

MAT 3843
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-90
-4.760 To 40.56 %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
1.4
1.2
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
38-Sr-90

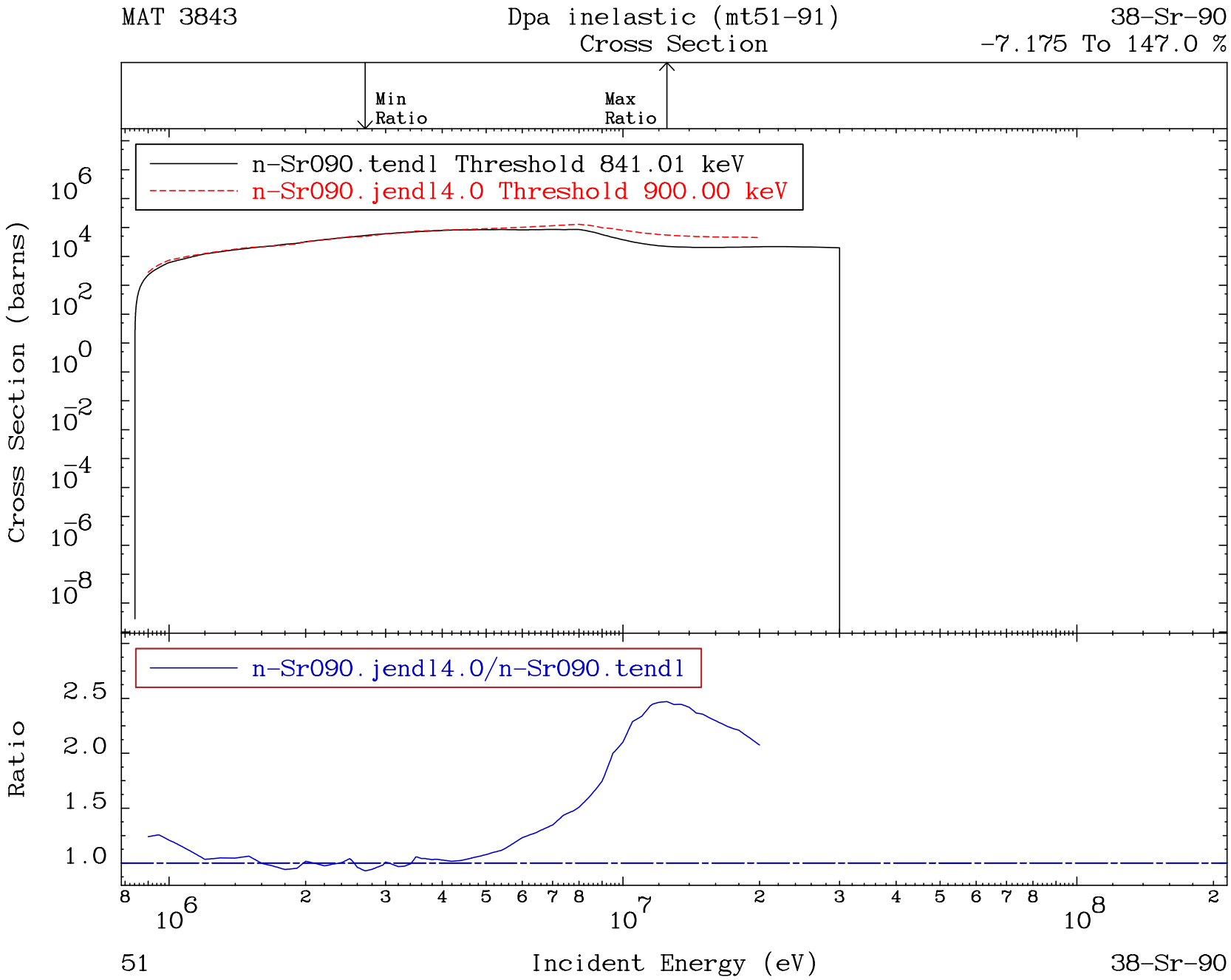

MAT 3843
Kerma capture (mt102)
Cross Section
38-Sr-90
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
46
38-Sr-90

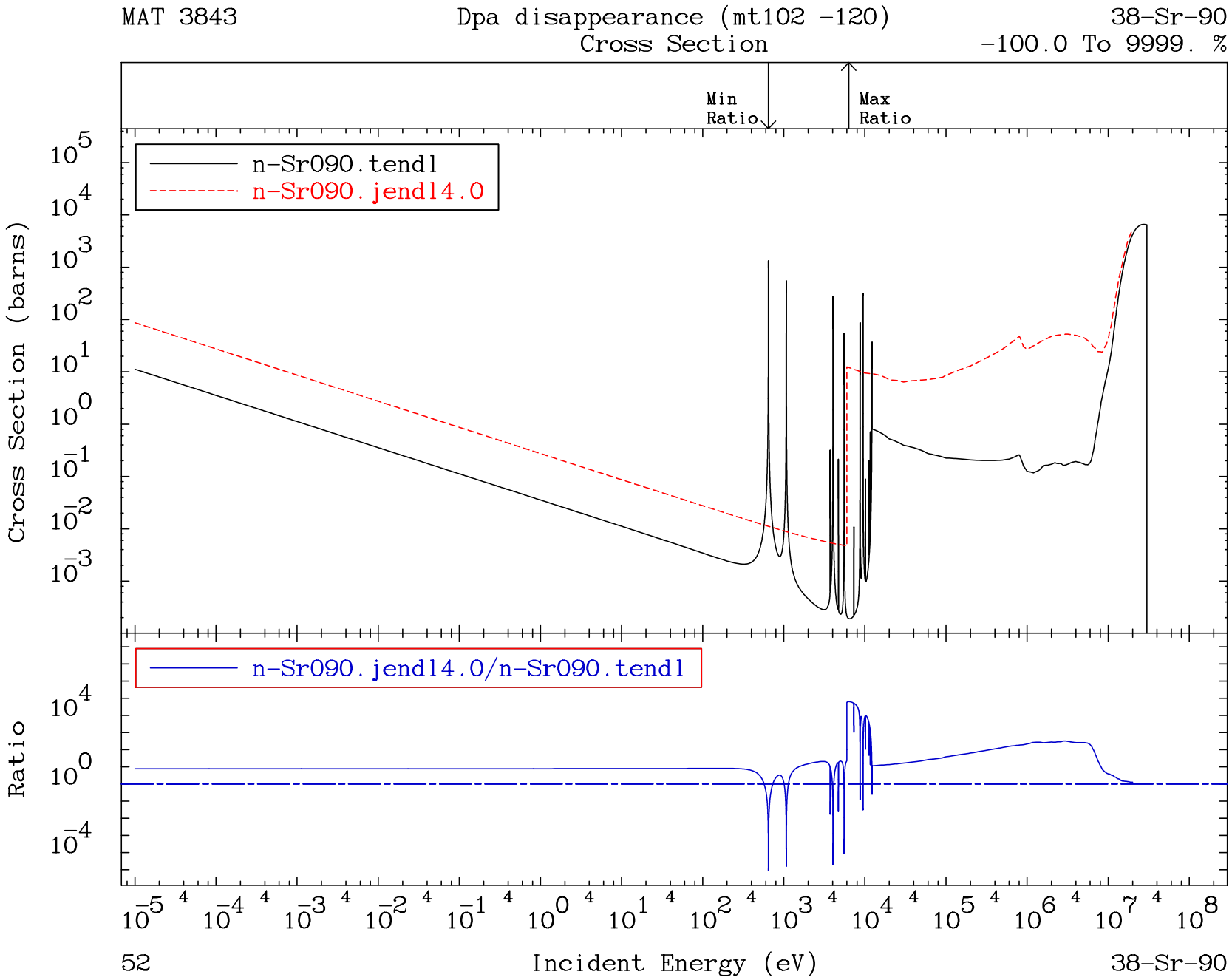

MAT 3843
Total photon (eV-barns)
Cross Section
38-Sr-90
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (Mega-barns)
400
300
200
100
0
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
38-Sr-90


MAT 3843
Total kinematic kerma (high limit)
Cross Section
38-Sr-90
-100.0 To 79.66 %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
48
38-Sr-90


MAT 3843
Dpa total (eV-barns)
Cross Section
38-Sr-90
-98.79 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
Ratio
n-Sr090.jendl4.0/n-Sr090.tendl
Incident Energy (eV)
49
38-Sr-90


MAT 3843
Dpa elastic (mt2)
Cross Section
38-Sr-90
-93.05 To 9999. %
Max Ratio
Min Ratio
n-Sr090.tendl Threshold 550.99 eV
n-Sr090.jendl4.0 Threshold 600.00 eV
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
50
38-Sr-90


MAT 3843
Dpa inelastic (mt51-91)
Cross Section
38-Sr-90
-7.175 To 147.0 %
Min Ratio
Max Ratio
n-Sr090.tendl Threshold 841.01 keV
n-Sr090.jendl4.0 Threshold 900.00 keV
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
51
38-Sr-90


MAT 3843
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-90
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sr090.tendl
n-Sr090.jendl4.0
Cross Section (barns)
n-Sr090.jendl4.0/n-Sr090.tendl
Ratio
Incident Energy (eV)
52
38-Sr-90