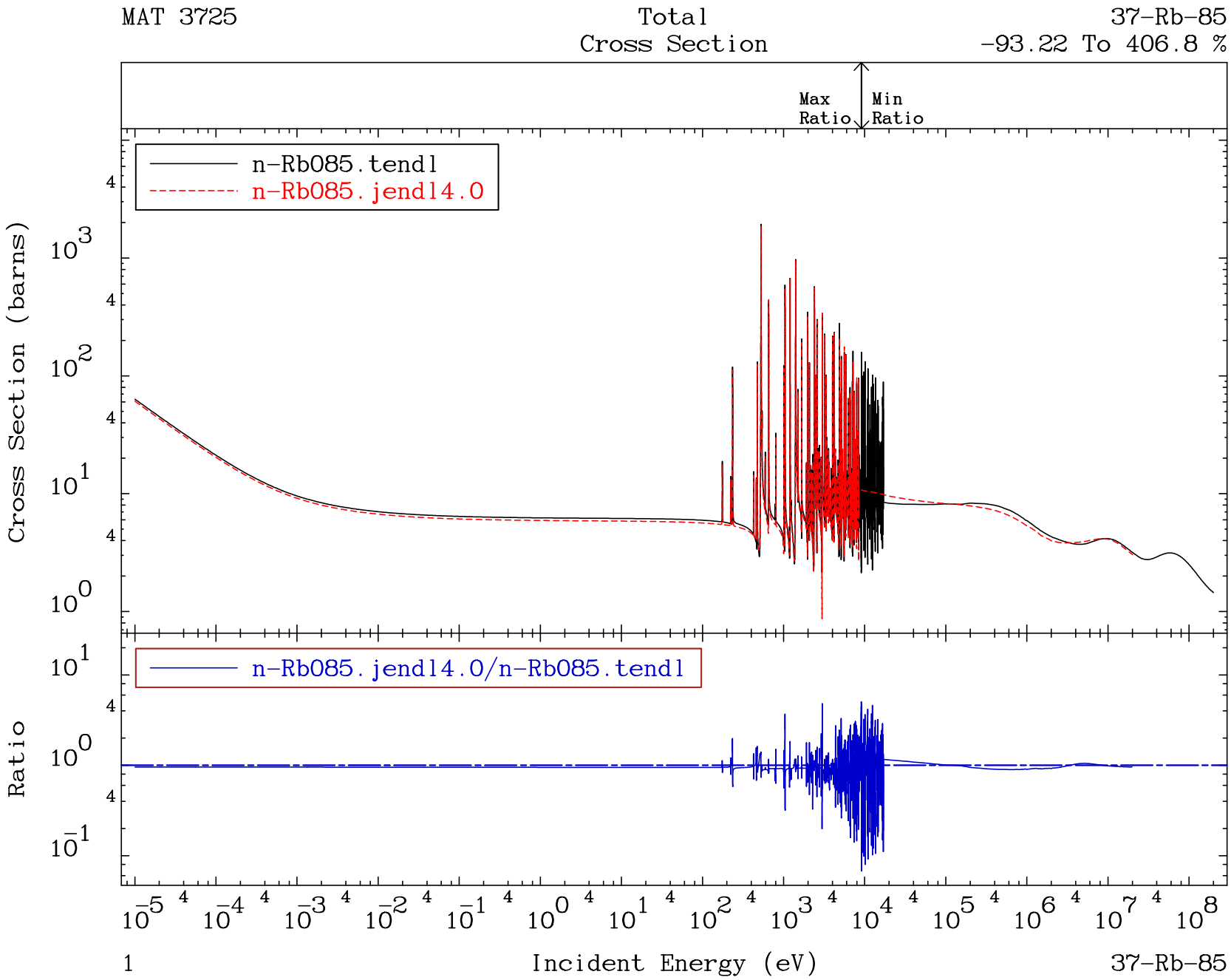
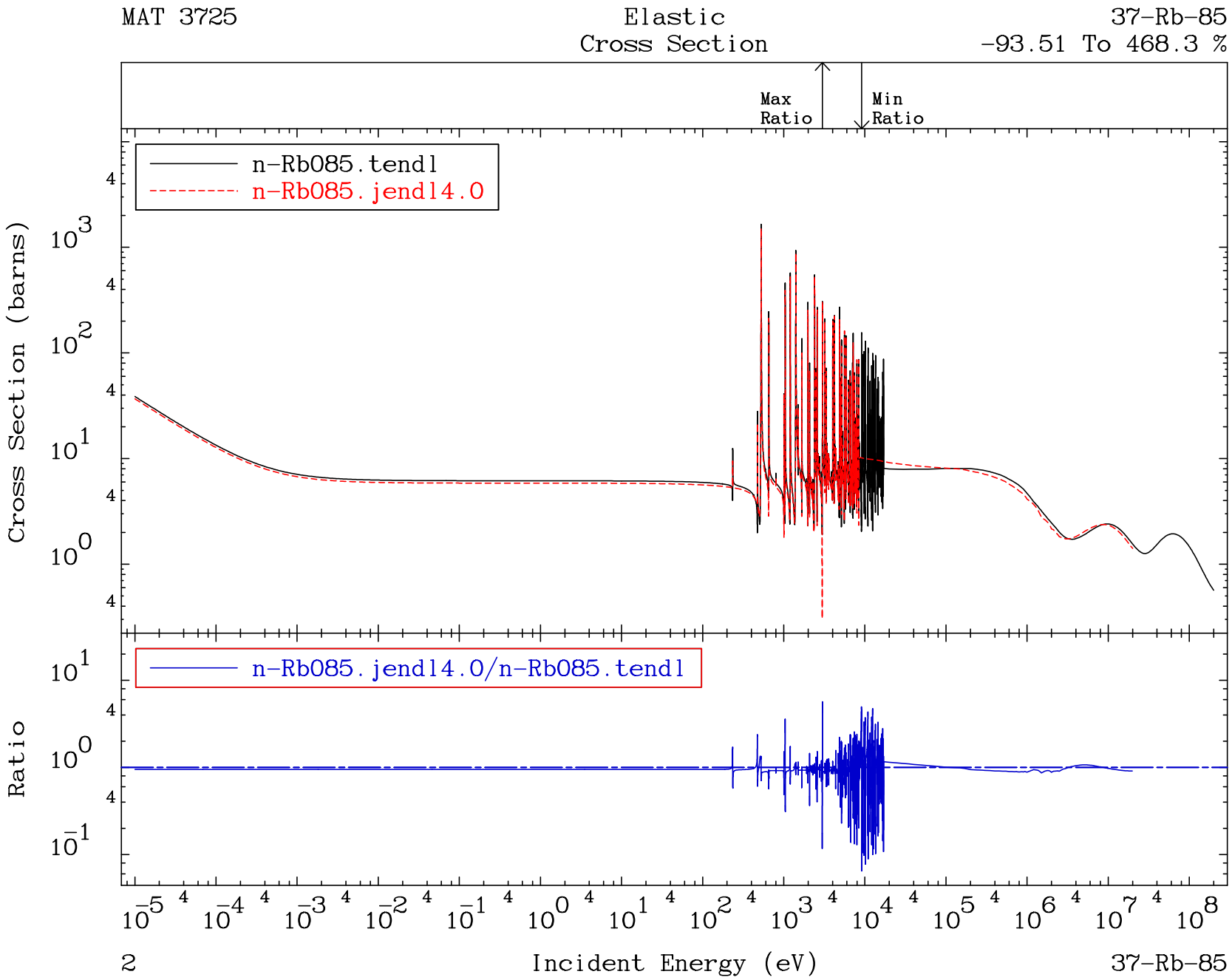
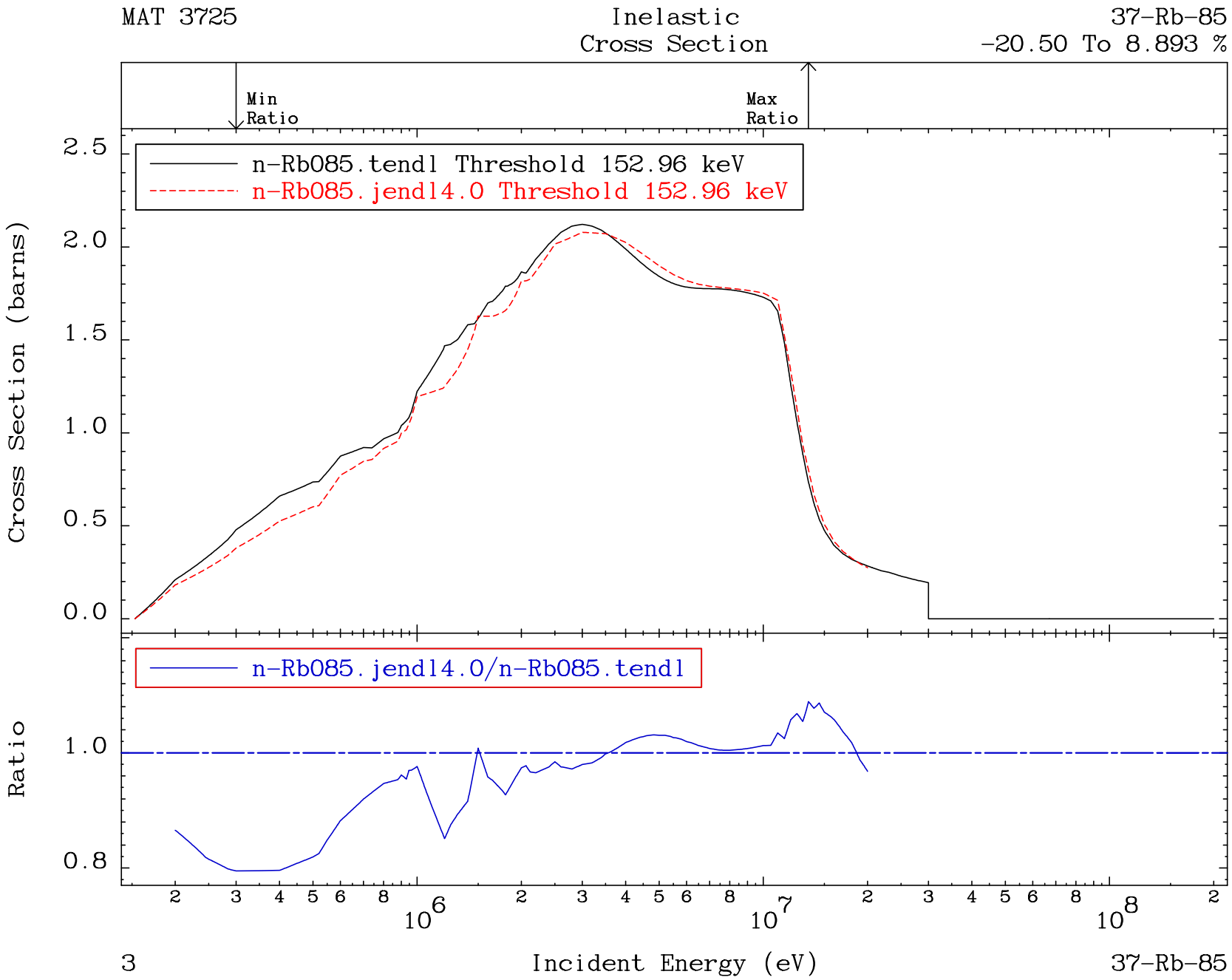
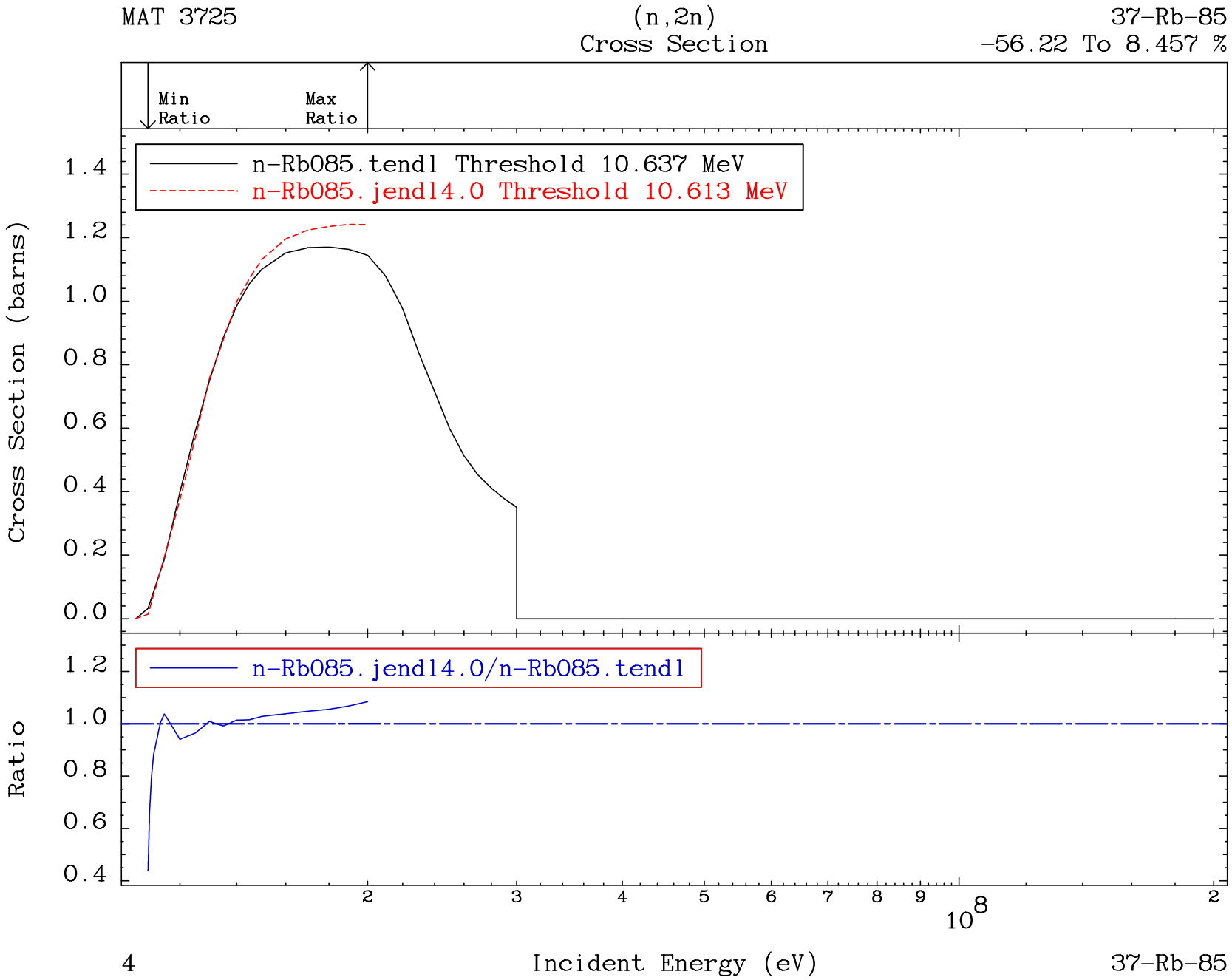
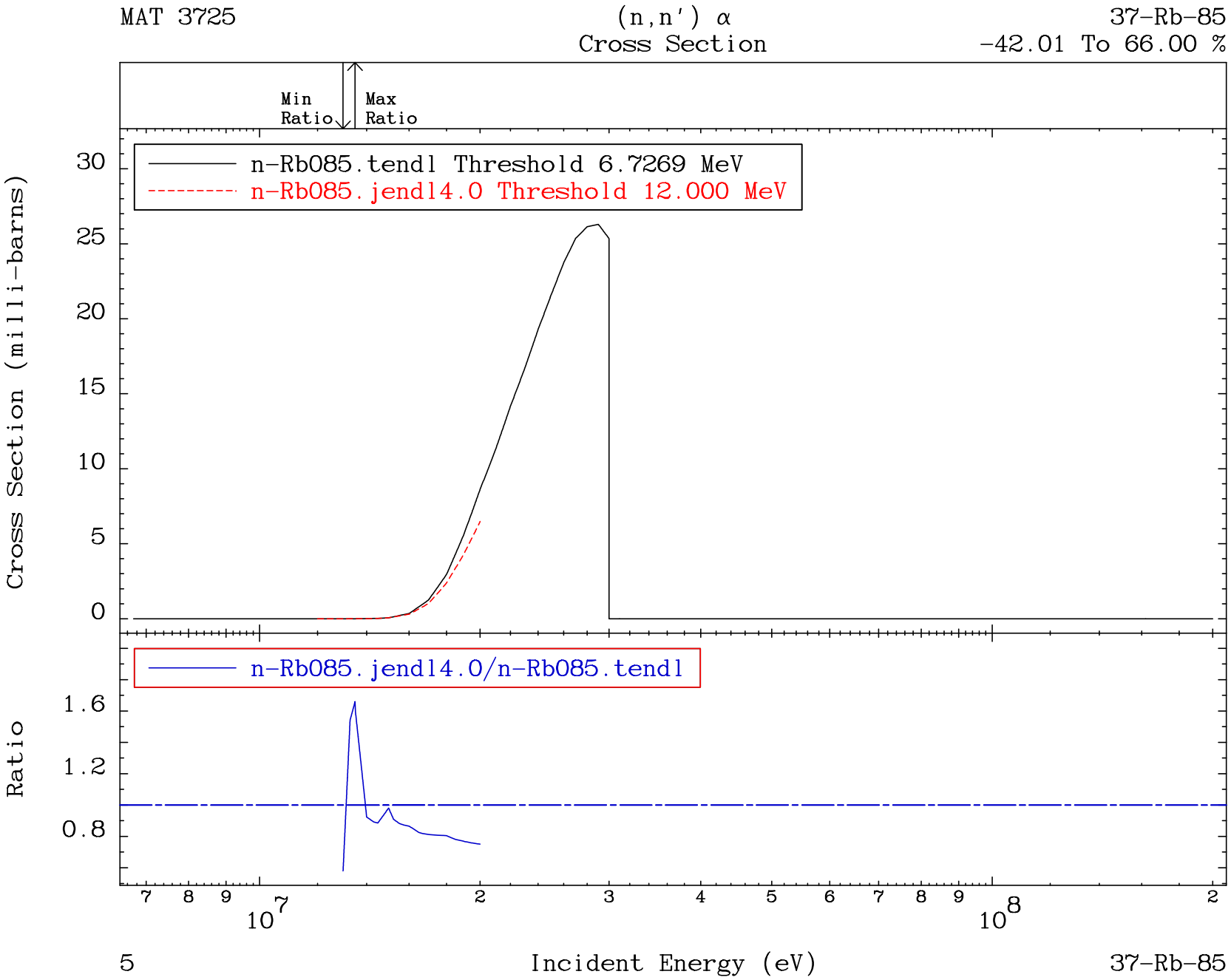
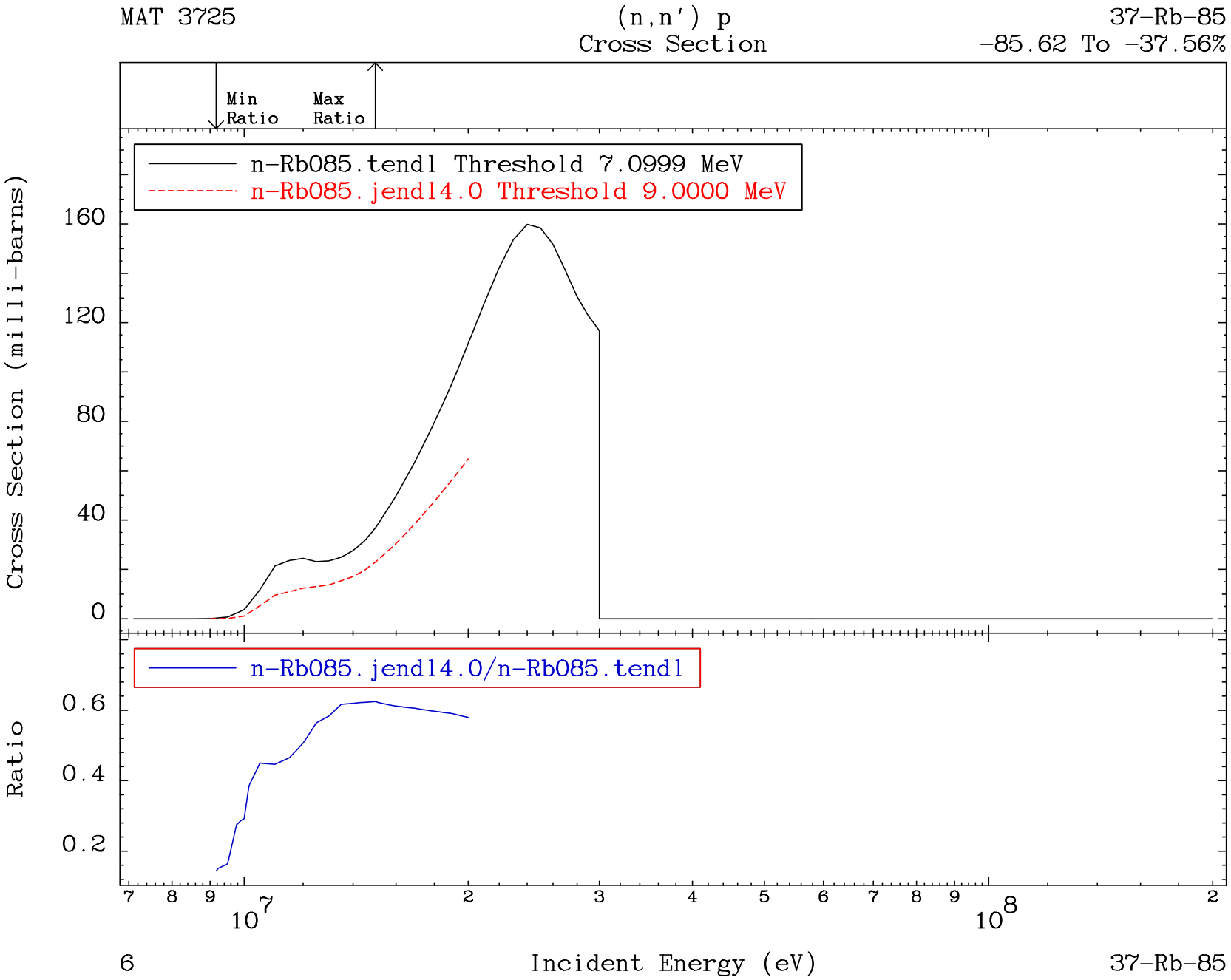

MAT 3725
Total
Cross Section
37-Rb-85
-93.22 To 406.8 %
Max Ratio
Min Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
37-Rb-85
1

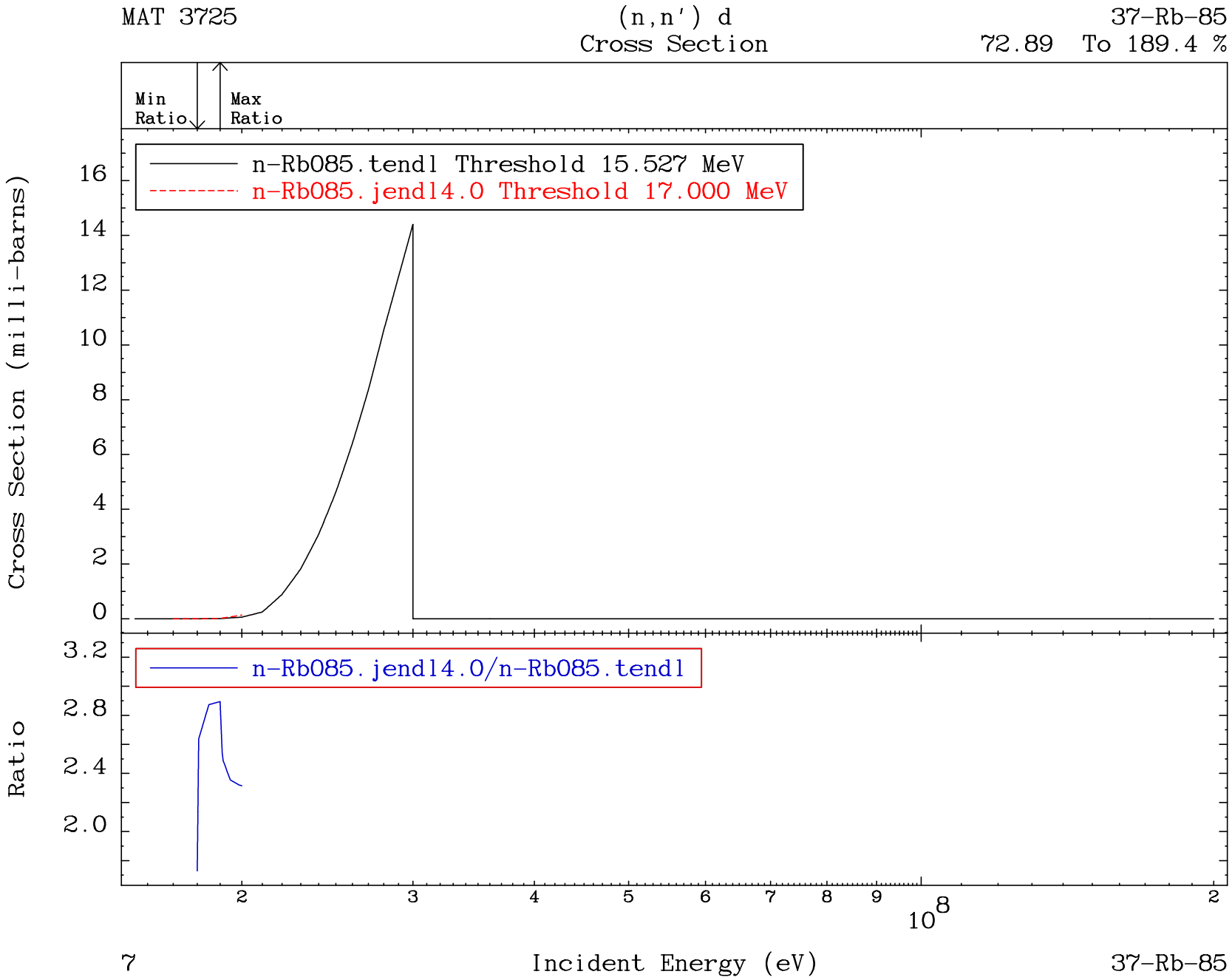

MAT 3725
Elastic
Cross Section
37-Rb-85
-93.51 To 468.3 %
Max
Ratio
Min
Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
2
37-Rb-85

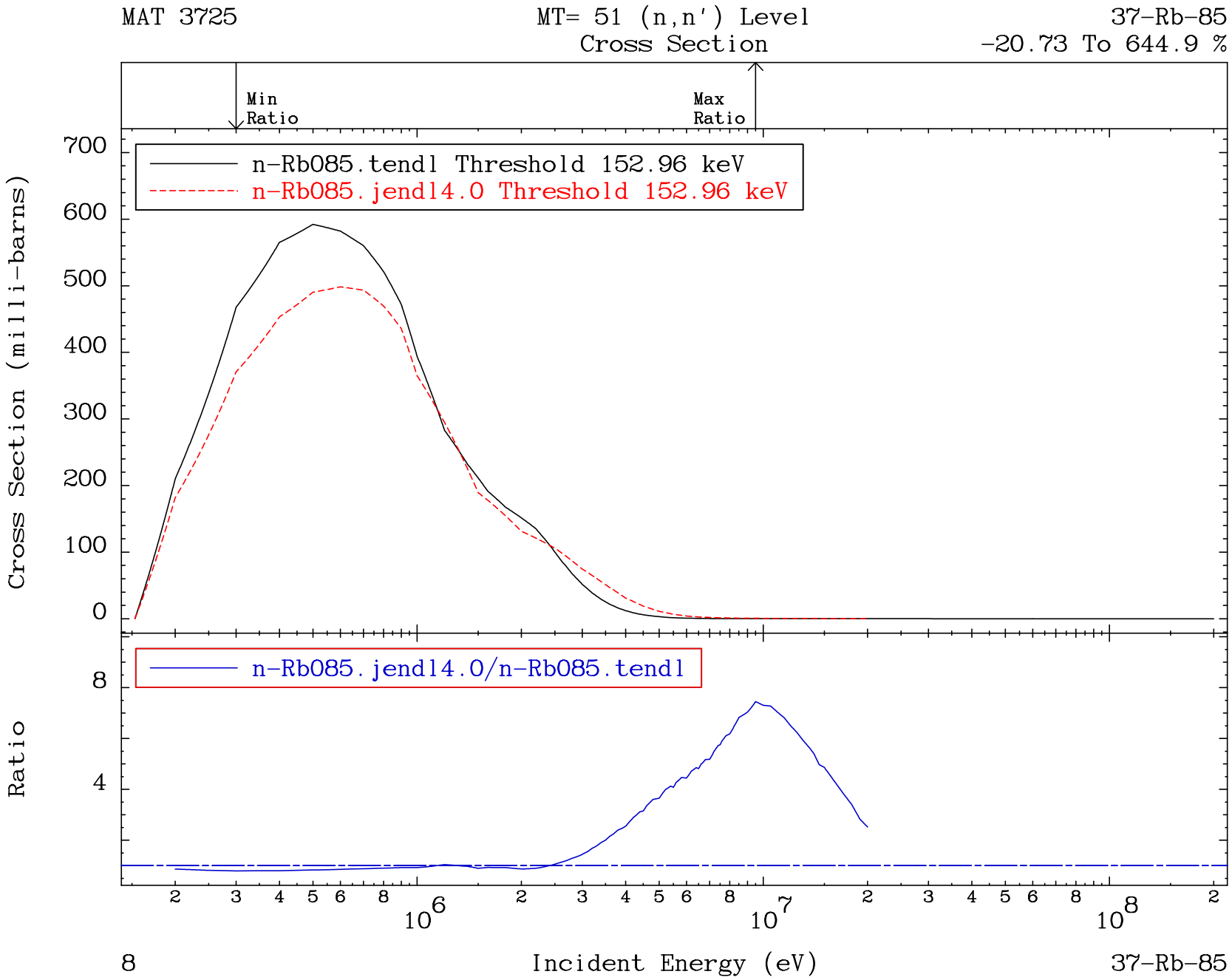

MAT 3725
Inelastic
Cross Section
37-Rb-85
-20.50 To 8.893 %
Min
Ratio
Max
Ratio
n-Rb085.tendl Threshold 152.96 keV
n-Rb085.jendl4.0 Threshold 152.96 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
1.0
0.8
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
37-Rb-85

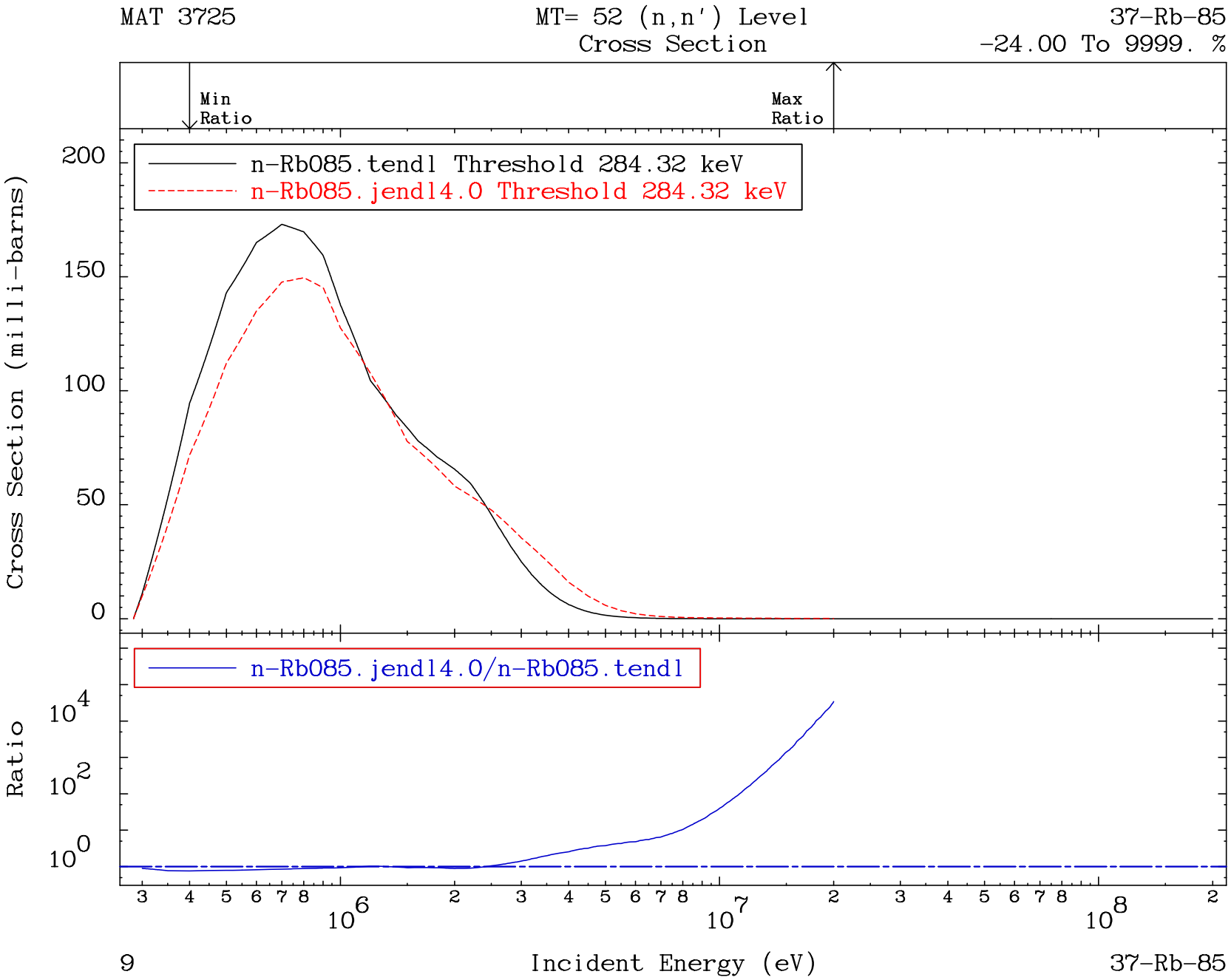

MAT 3725
(n,2n)
Cross Section
37-Rb-85
-56.22 To 8.457 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 10.637 MeV
n-Rb085.jendl4.0 Threshold 10.613 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
37-Rb-85

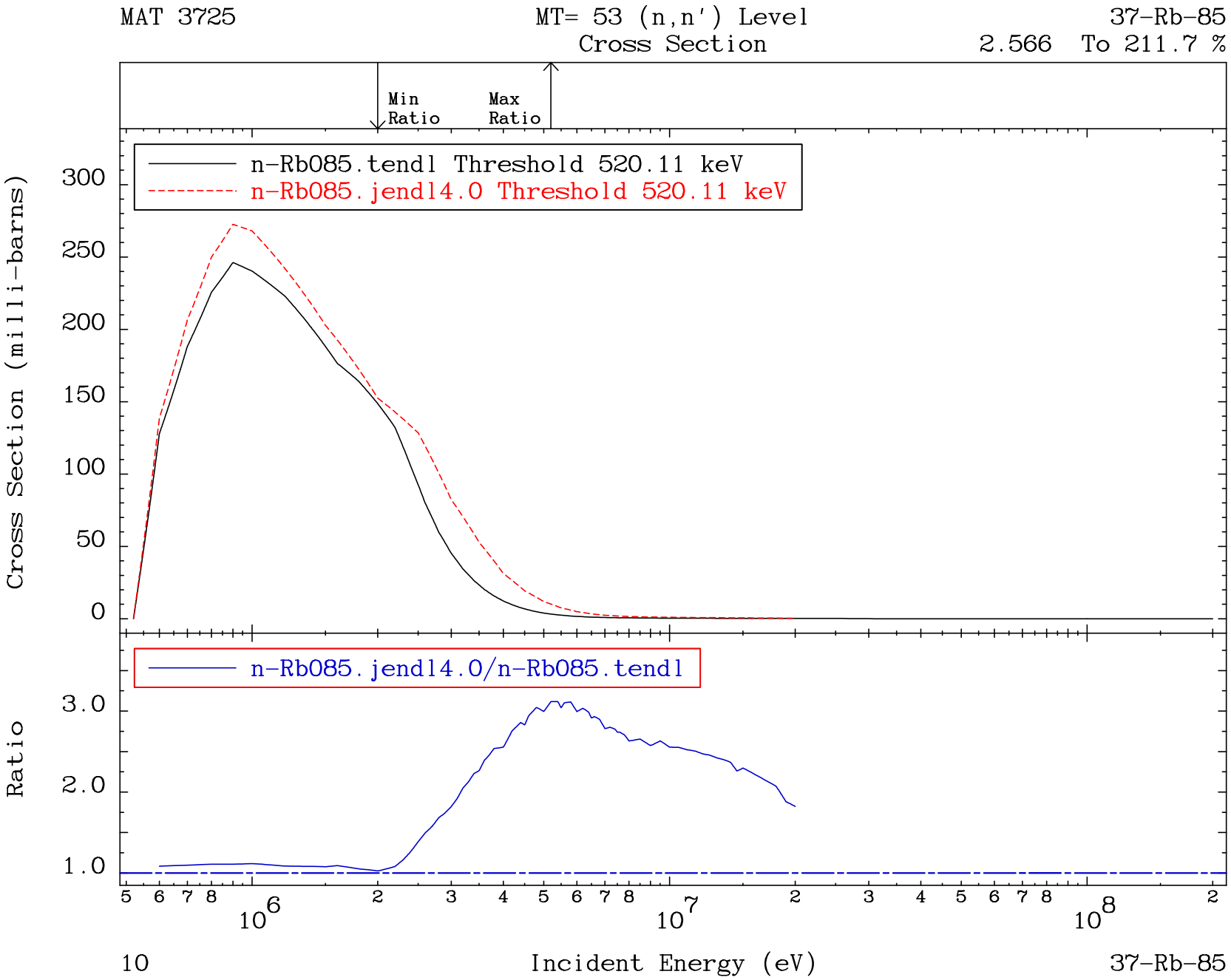

MAT 3725
(n,n') α
Cross Section
37-Rb-85
-42.01 To 66.00 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 6.7269 MeV
n-Rb085.jendl4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
1.6
1.2
0.8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
37-Rb-85

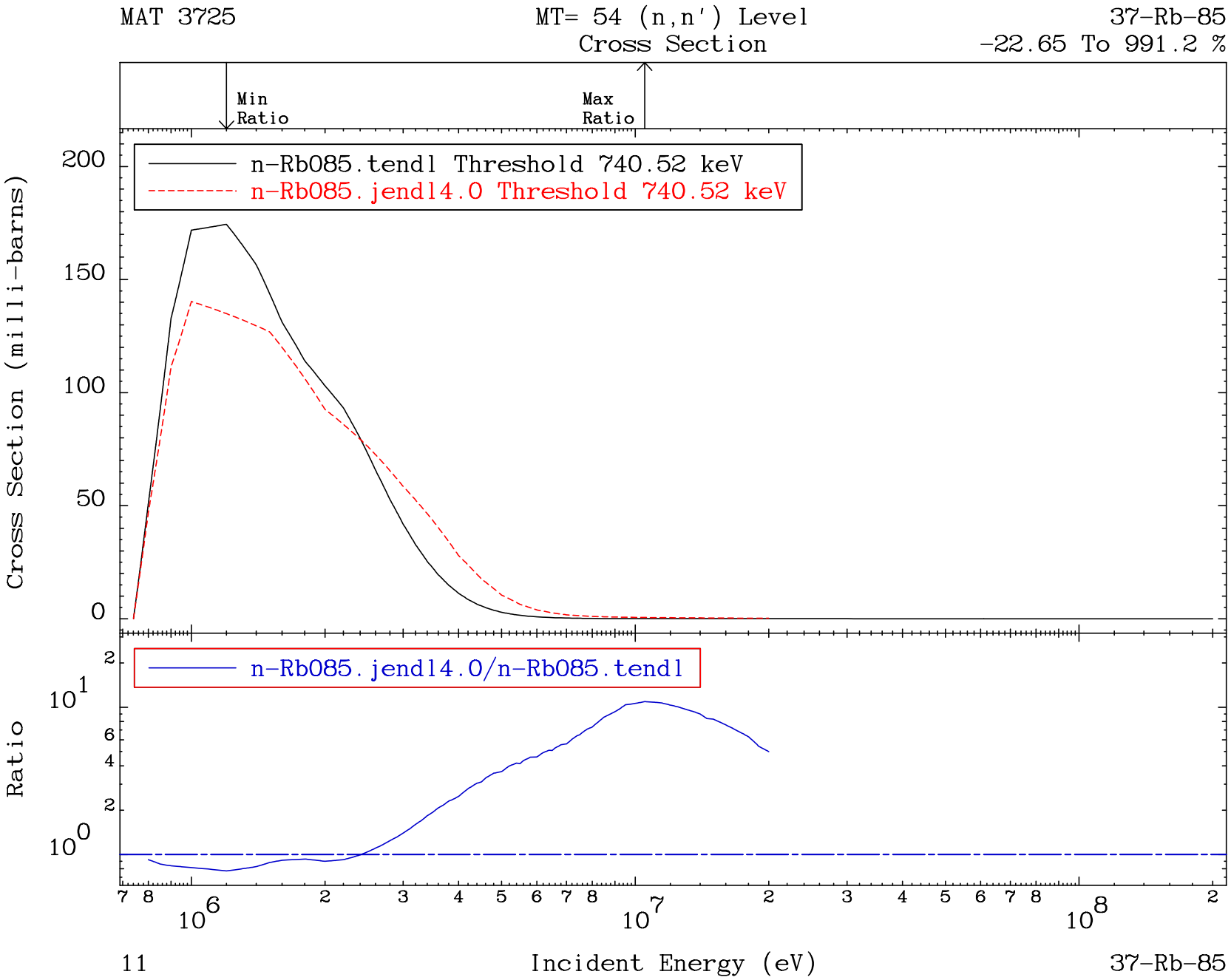

MAT 3725
(n,n') p
Cross Section
37-Rb-85
-85.62 To -37.56%
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 7.0999 MeV
n-Rb085.jendl4.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
0.6
0.4
0.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
37-Rb-85

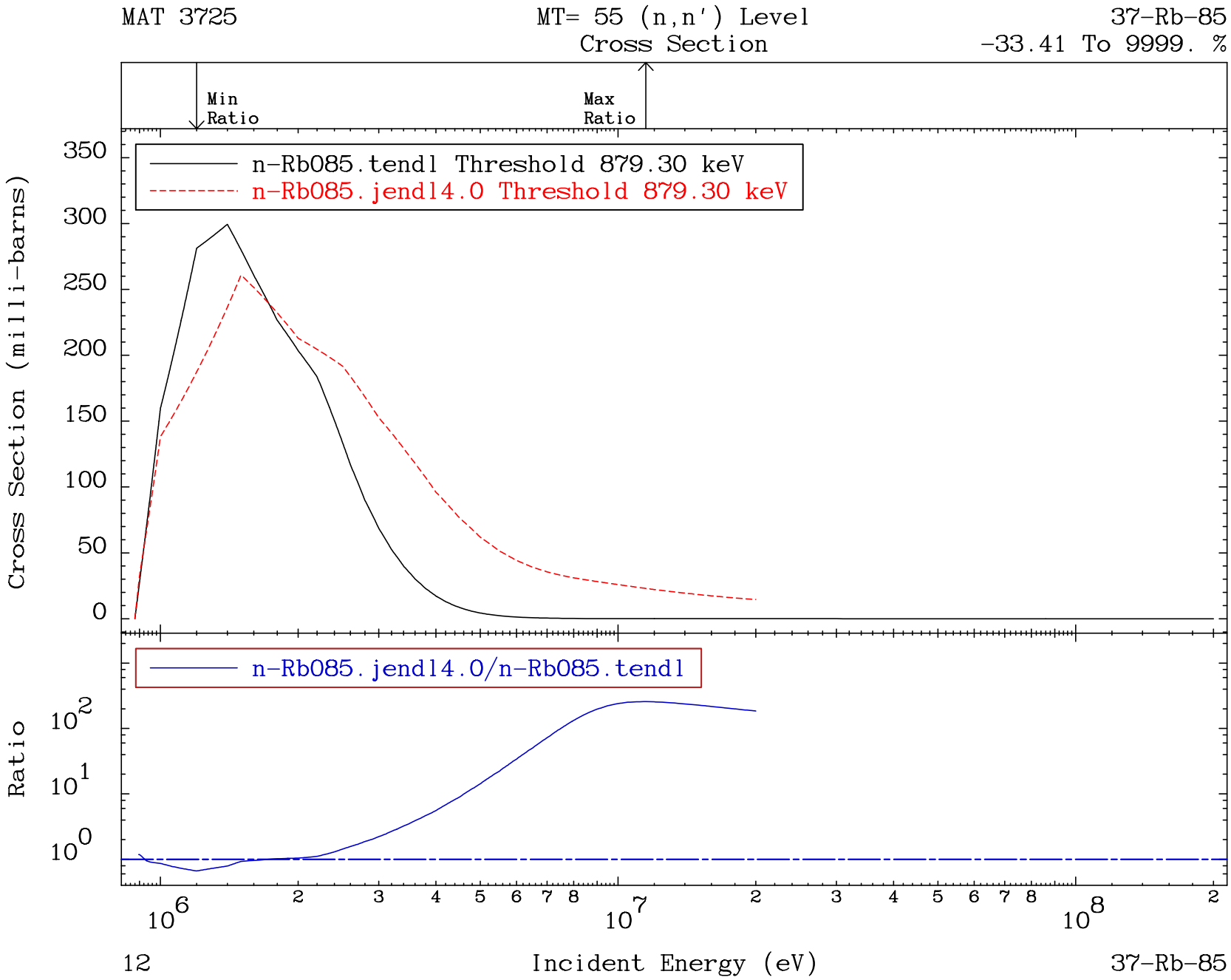

MAT 3725
(n,n') d
Cross Section
37-Rb-85
72.89 To 189.4 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 15.527 MeV
n-Rb085.jendl4.0 Threshold 17.000 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
3.2
2.8
2.4
2.0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
37-Rb-85

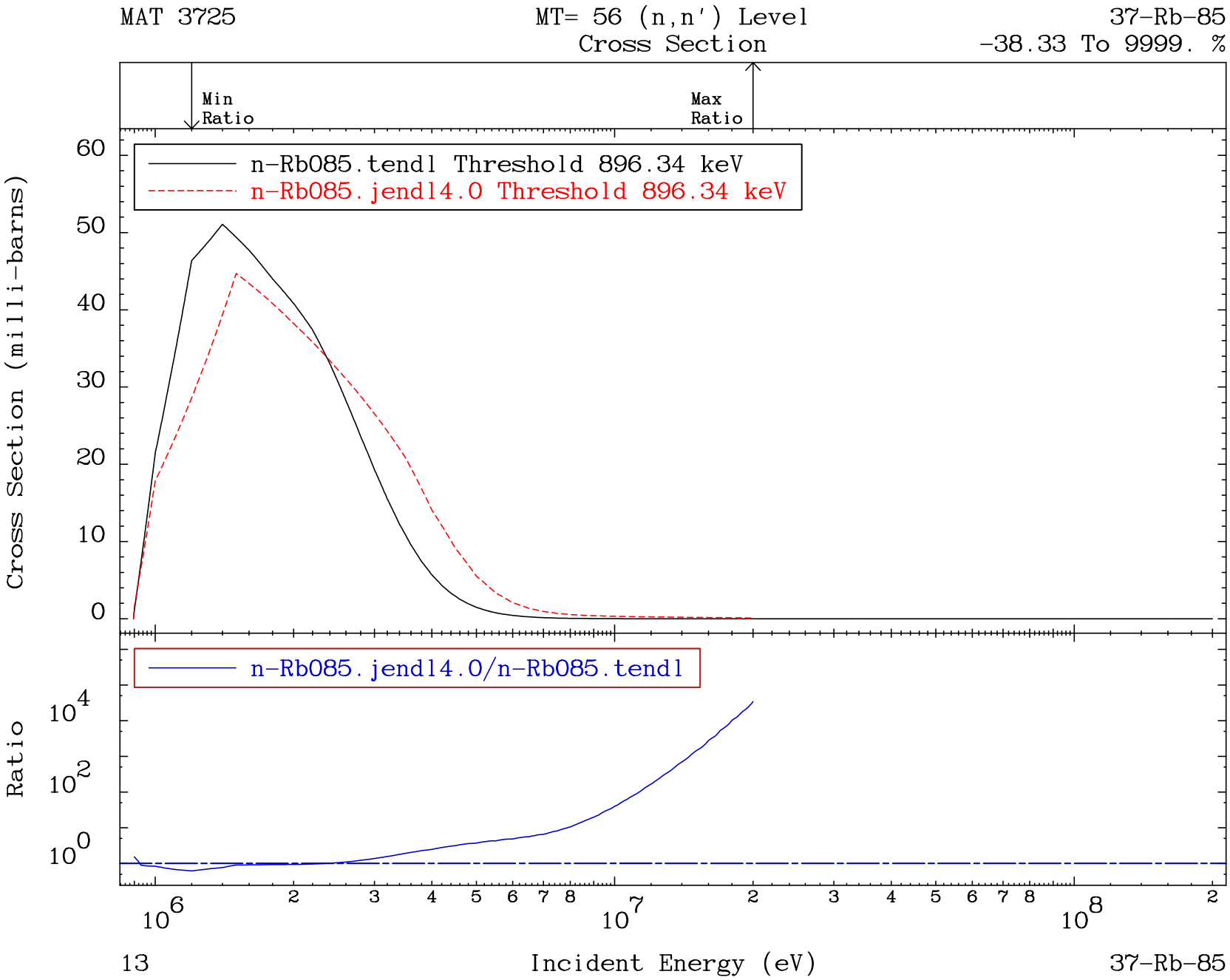

MAT 3725
MT= 51 (n,n') Level
Cross Section
37-Rb-85
-20.73 To 644.9 %
Min
Ratio
Max
Ratio
n-Rb085.tendl Threshold 152.96 keV
n-Rb085.jendl4.0 Threshold 152.96 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
8
4
2
3
4
5
6
8
10^6
10^7
10^8
8
Incident Energy (eV)
37-Rb-85

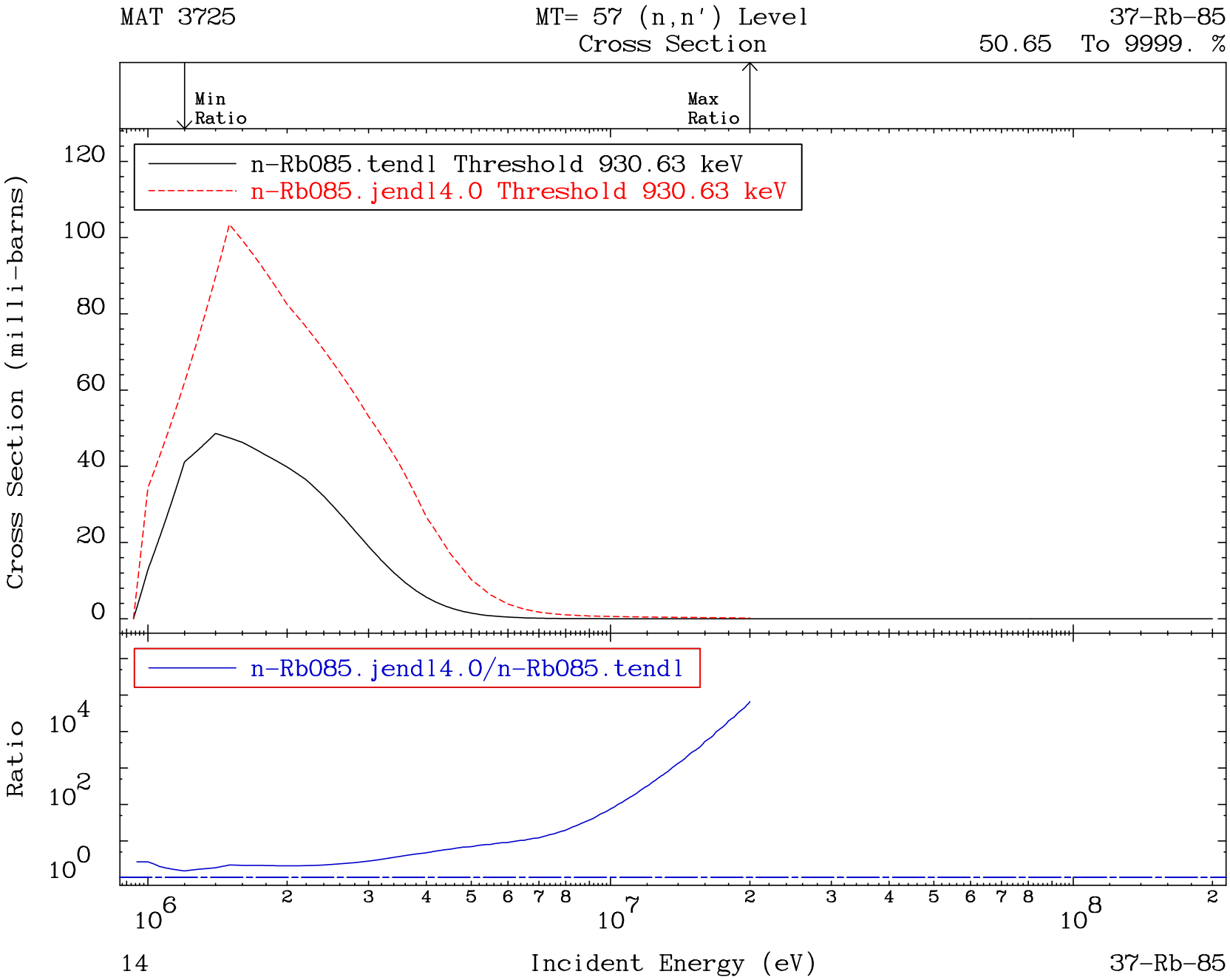

MAT 3725
MT= 52 (n,n') Level
Cross Section
37-Rb-85
-24.00 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 284.32 keV
n-Rb085.jendl4.0 Threshold 284.32 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
37-Rb-85

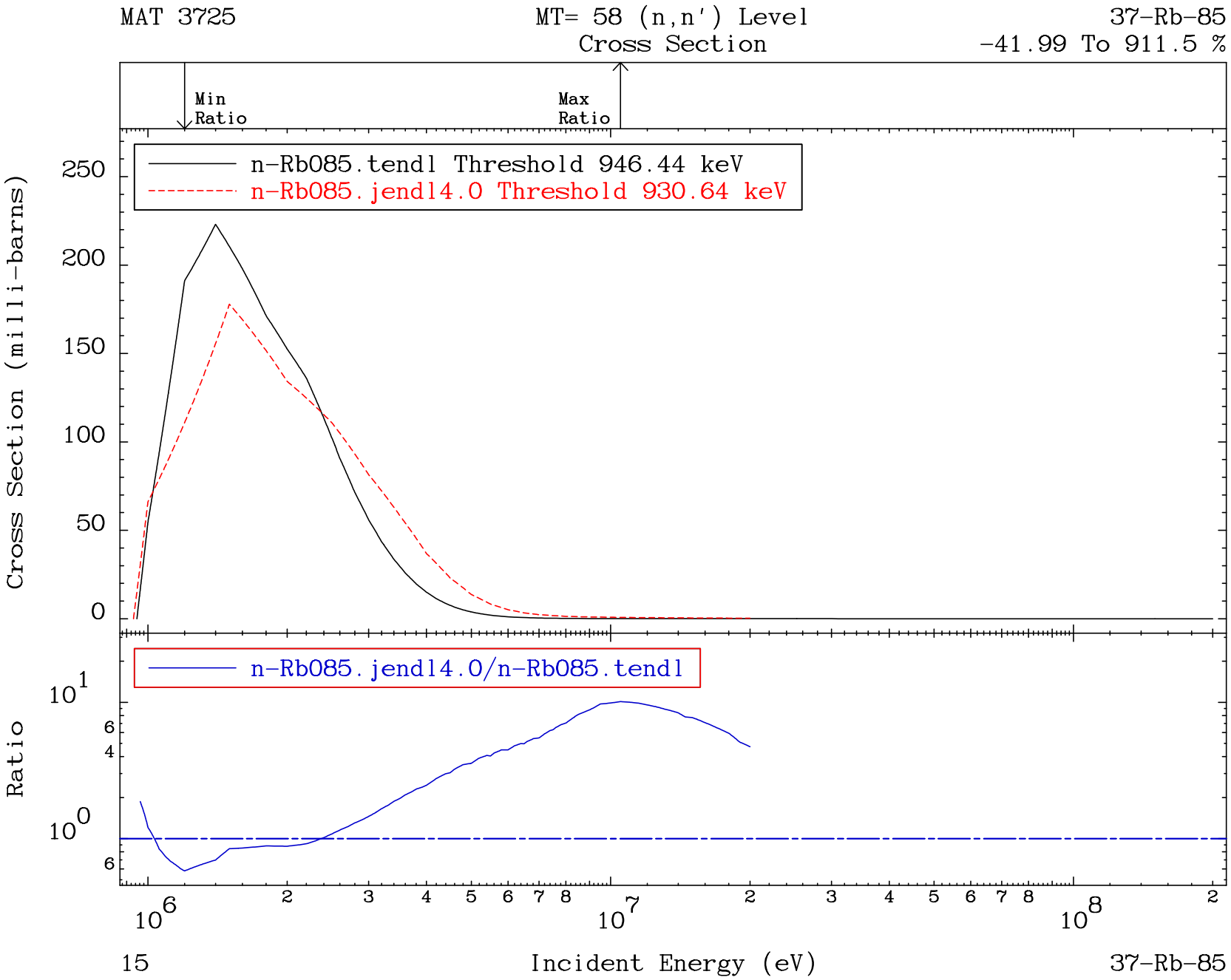

MAT 3725
MT= 53 (n,n') Level
Cross Section
37-Rb-85
2.566 To 211.7 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 520.11 keV
n-Rb085.jendl4.0 Threshold 520.11 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
3.0
2.0
1.0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
37-Rb-85

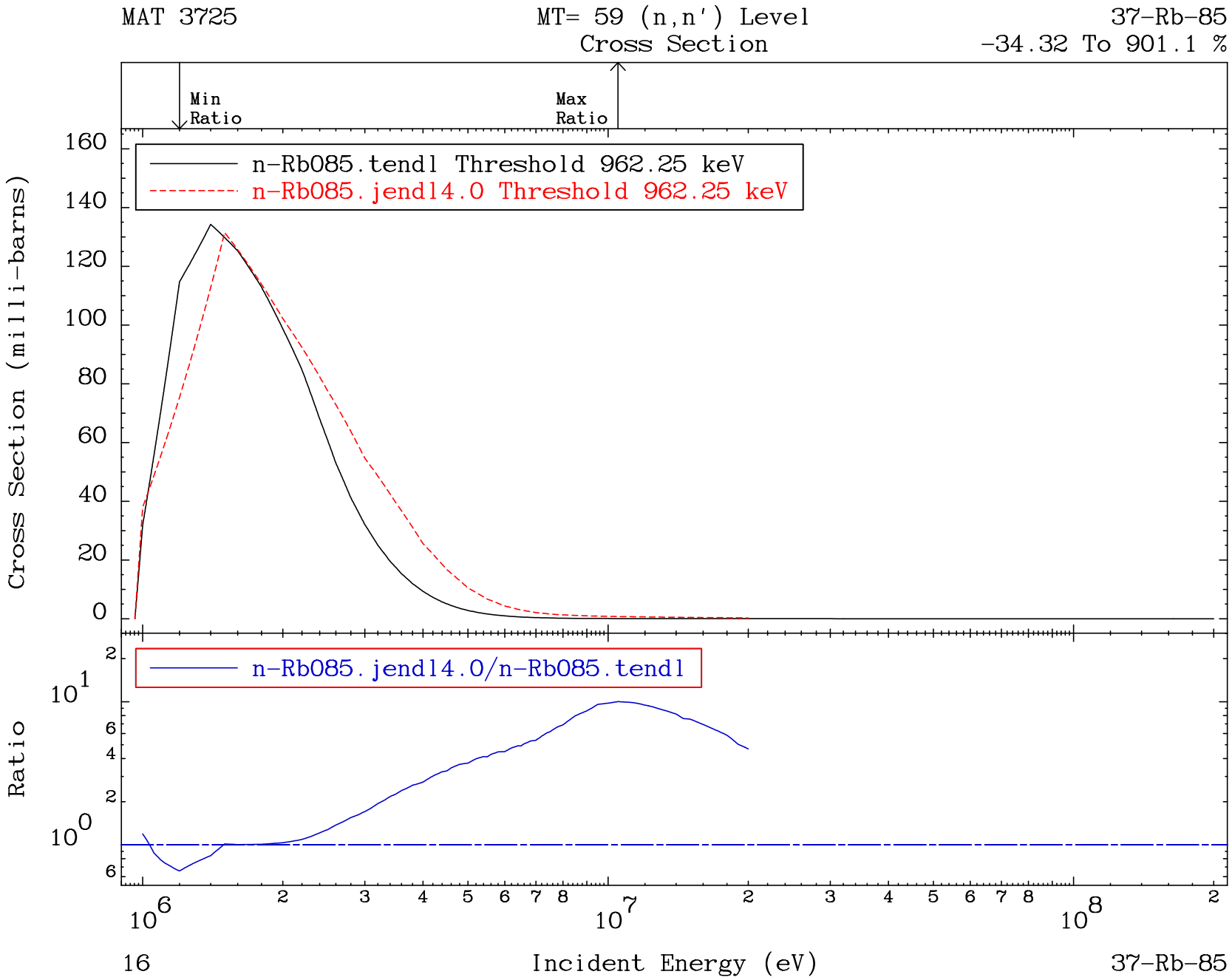

MAT 3725
MT= 54 (n,n') Level
Cross Section
37-Rb-85
-22.65 To 991.2 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 740.52 keV
n-Rb085.jendl4.0 Threshold 740.52 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
10^0
2
6
4
2
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
37-Rb-85

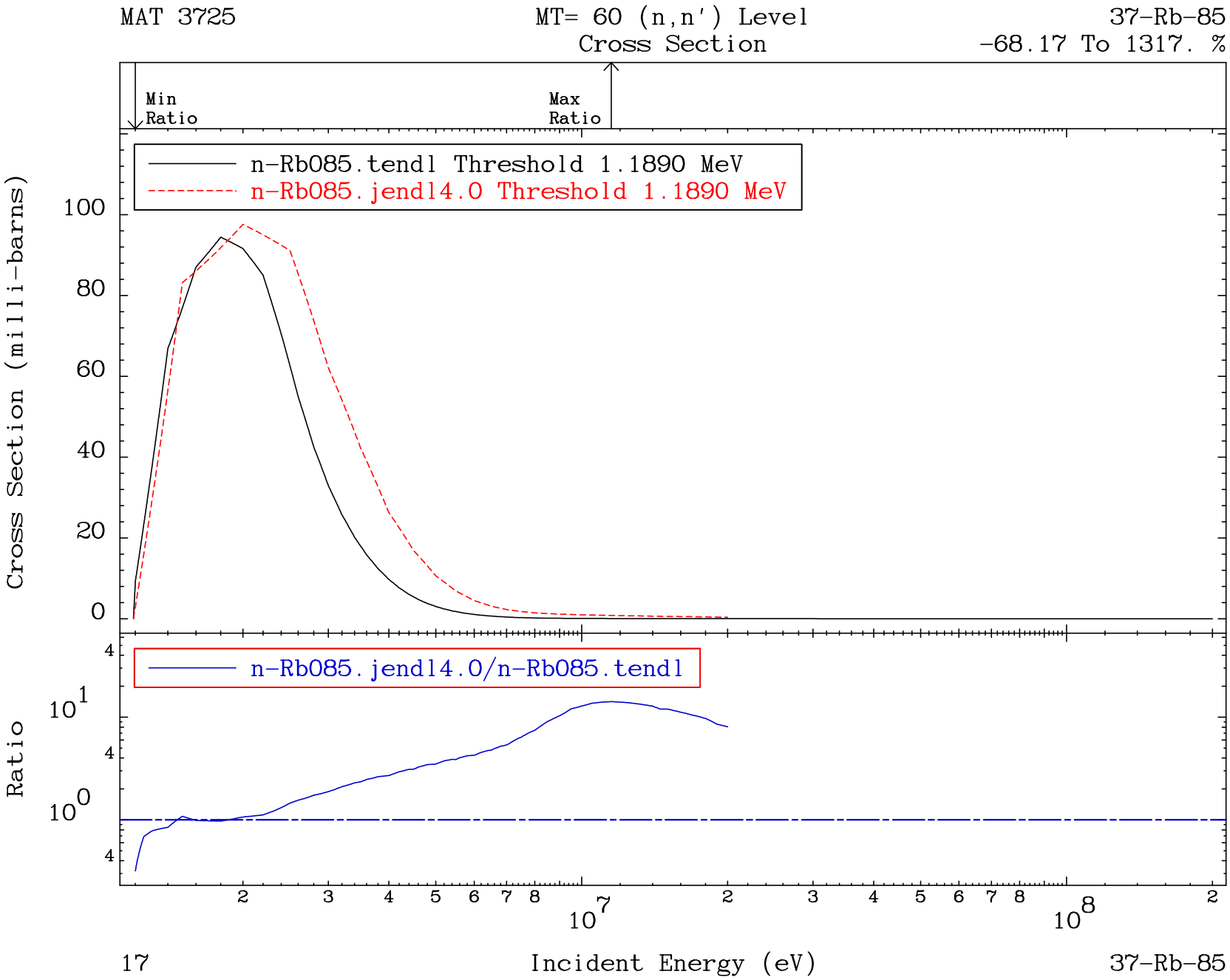

MAT 3725
MT= 55 (n,n') Level
Cross Section
37-Rb-85
-33.41 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 879.30 keV
n-Rb085.jendl4.0 Threshold 879.30 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^2
10^1
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
12
Incident Energy (eV)
37-Rb-85

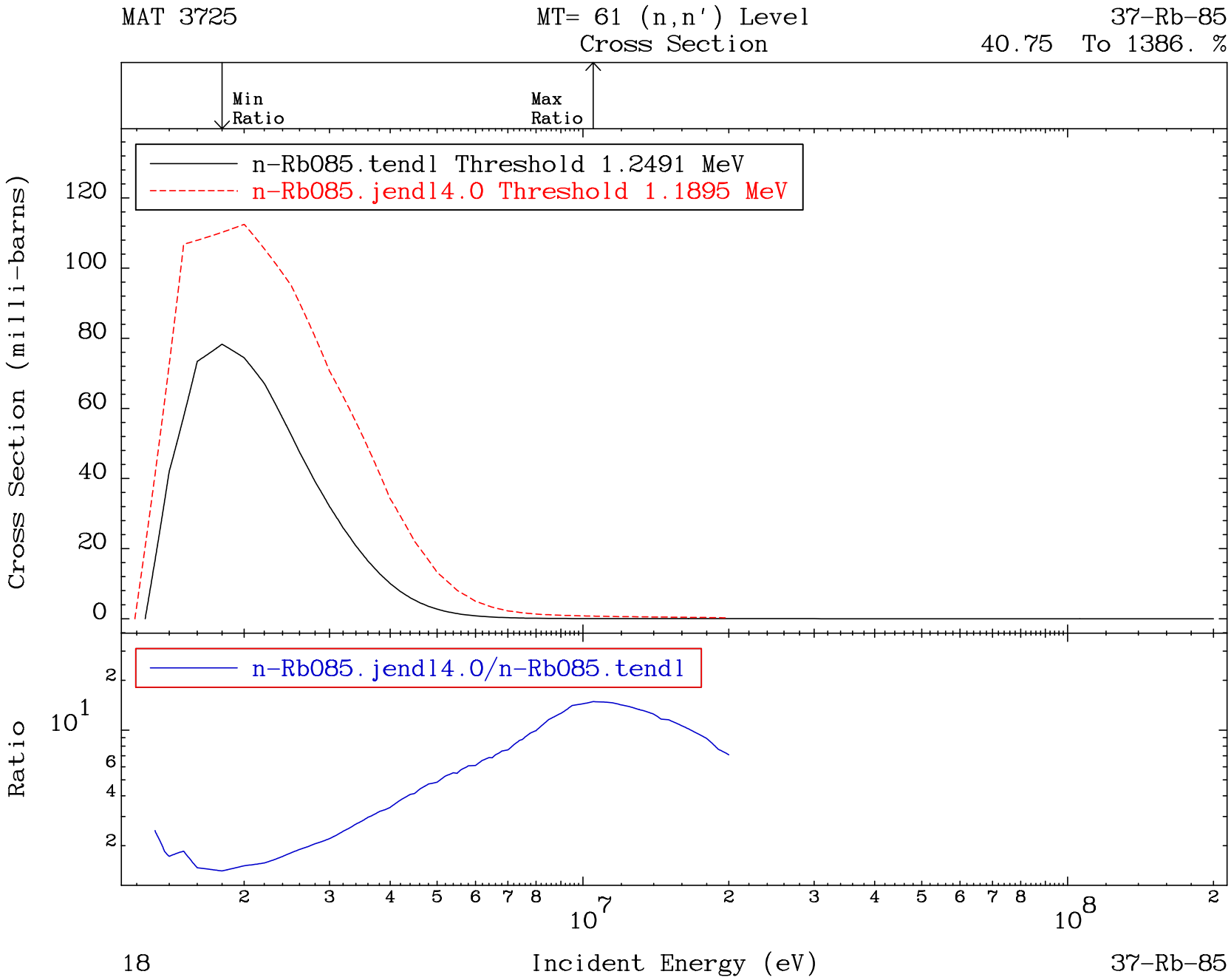

MAT 3725
MT= 56 (n,n') Level
Cross Section
37-Rb-85
-38.33 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 896.34 keV
n-Rb085.jendl4.0 Threshold 896.34 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^4
10^2
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
37-Rb-85

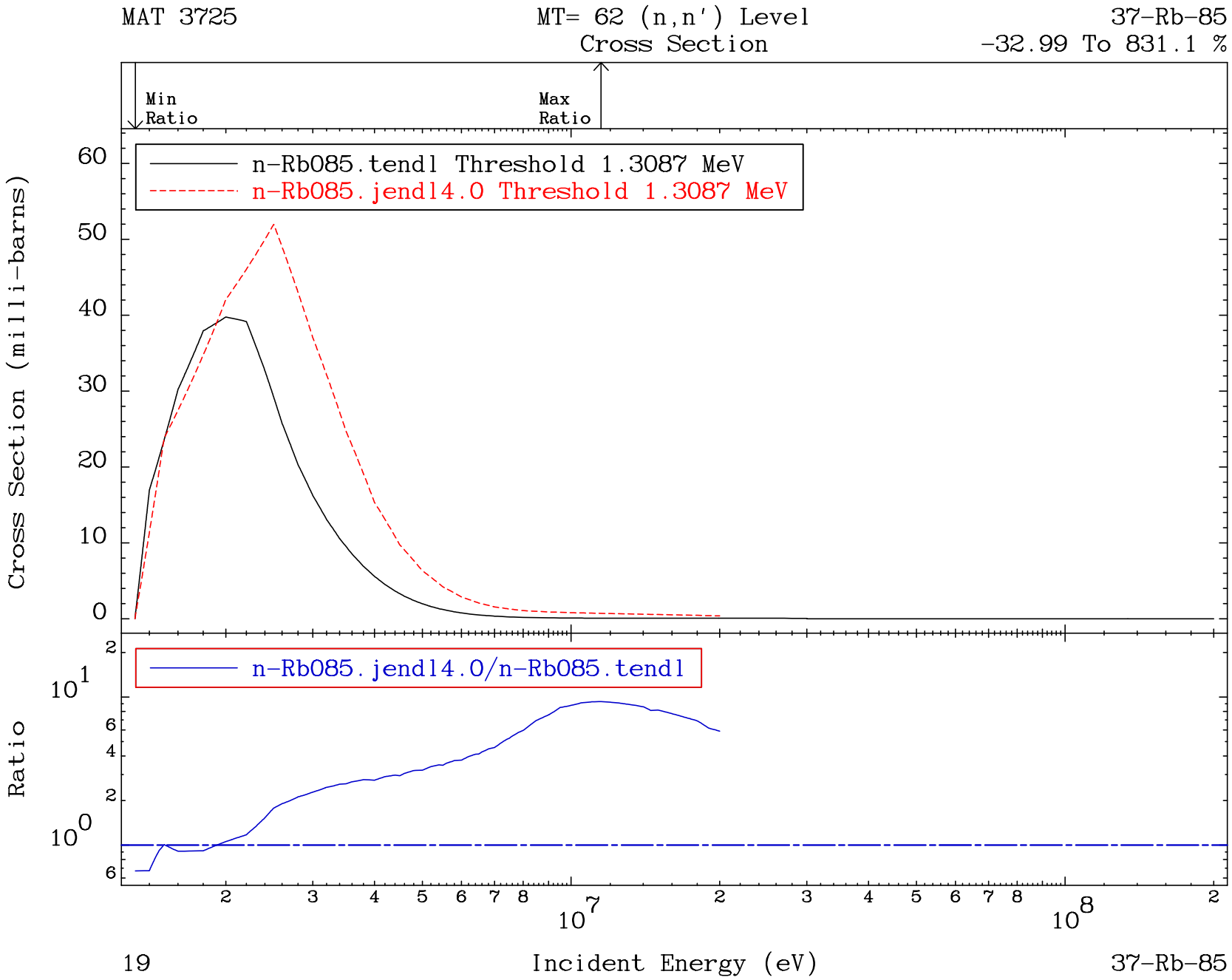

MAT 3725
MT= 57 (n,n') Level
Cross Section
37-Rb-85
50.65 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 930.63 keV
n-Rb085.jendl4.0 Threshold 930.63 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^4
10^2
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
37-Rb-85

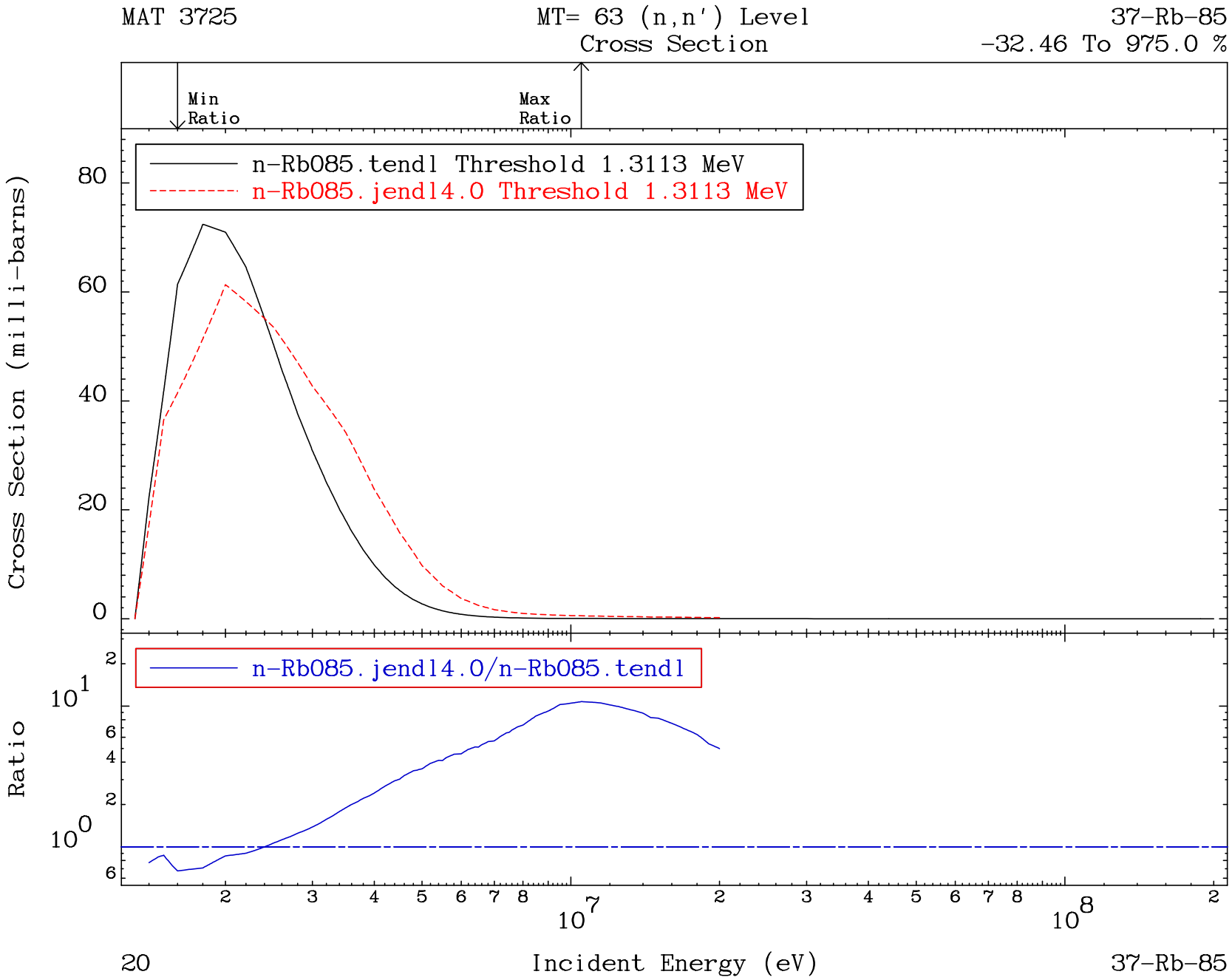

MAT 3725
MT= 58 (n,n') Level
Cross Section
37-Rb-85
-41.99 To 911.5 %
Min
Ratio
Max
Ratio
n-Rb085.tendl Threshold 946.44 keV
n-Rb085.jendl4.0 Threshold 930.64 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
6
4
10^0
6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
37-Rb-85

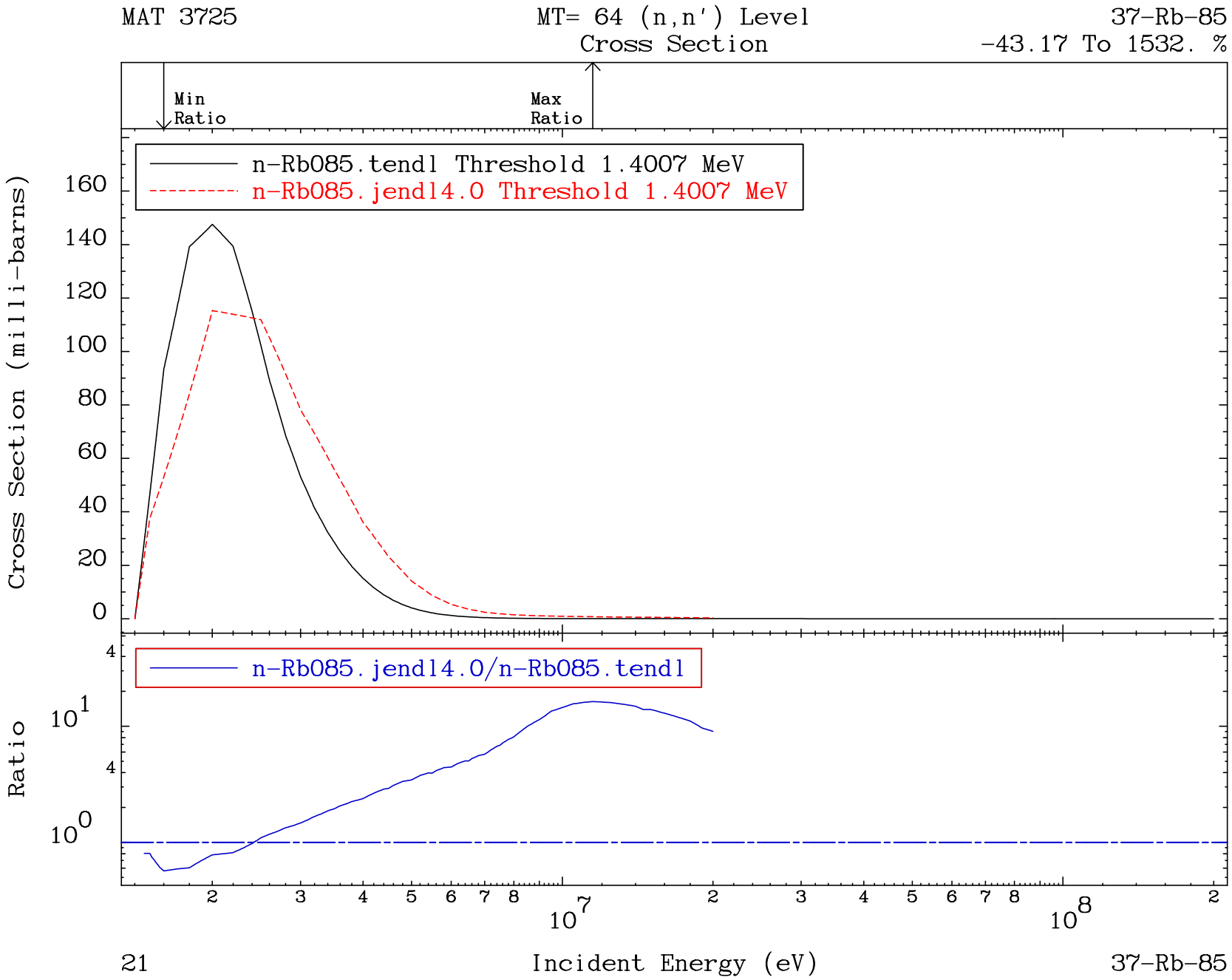

MAT 3725
MT= 59 (n,n') Level
Cross Section
37-Rb-85
-34.32 To 901.1 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 962.25 keV
n-Rb085.jendl4.0 Threshold 962.25 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
10^0
2
6
4
2
6
10^6
10^7
10^8
2 3 4 5 6 7 8
16
Incident Energy (eV)
37-Rb-85

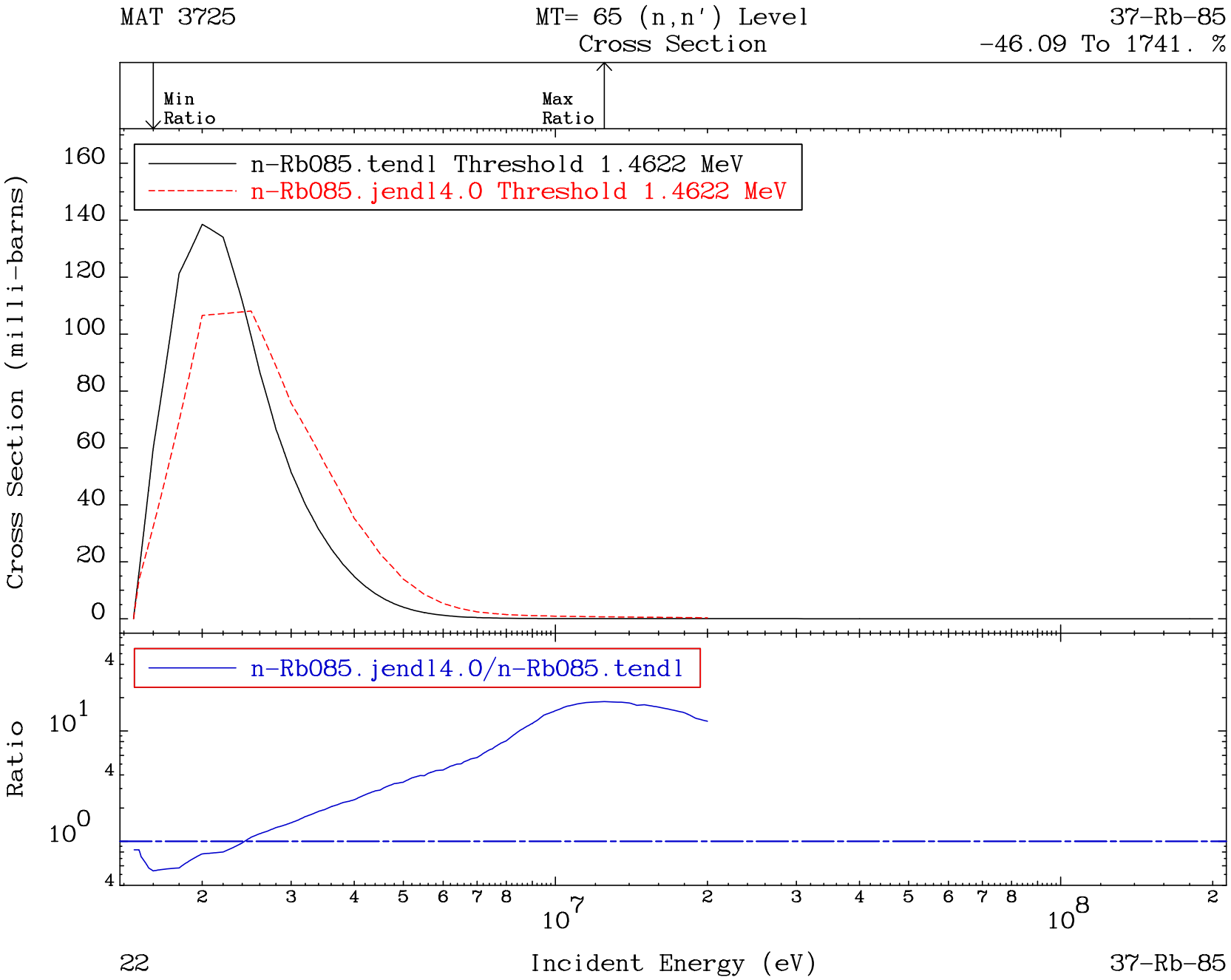

MAT 3725
MT= 60 (n,n') Level
Cross Section
37-Rb-85
-68.17 To 1317. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.1890 MeV
n-Rb085.jendl4.0 Threshold 1.1890 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
37-Rb-85

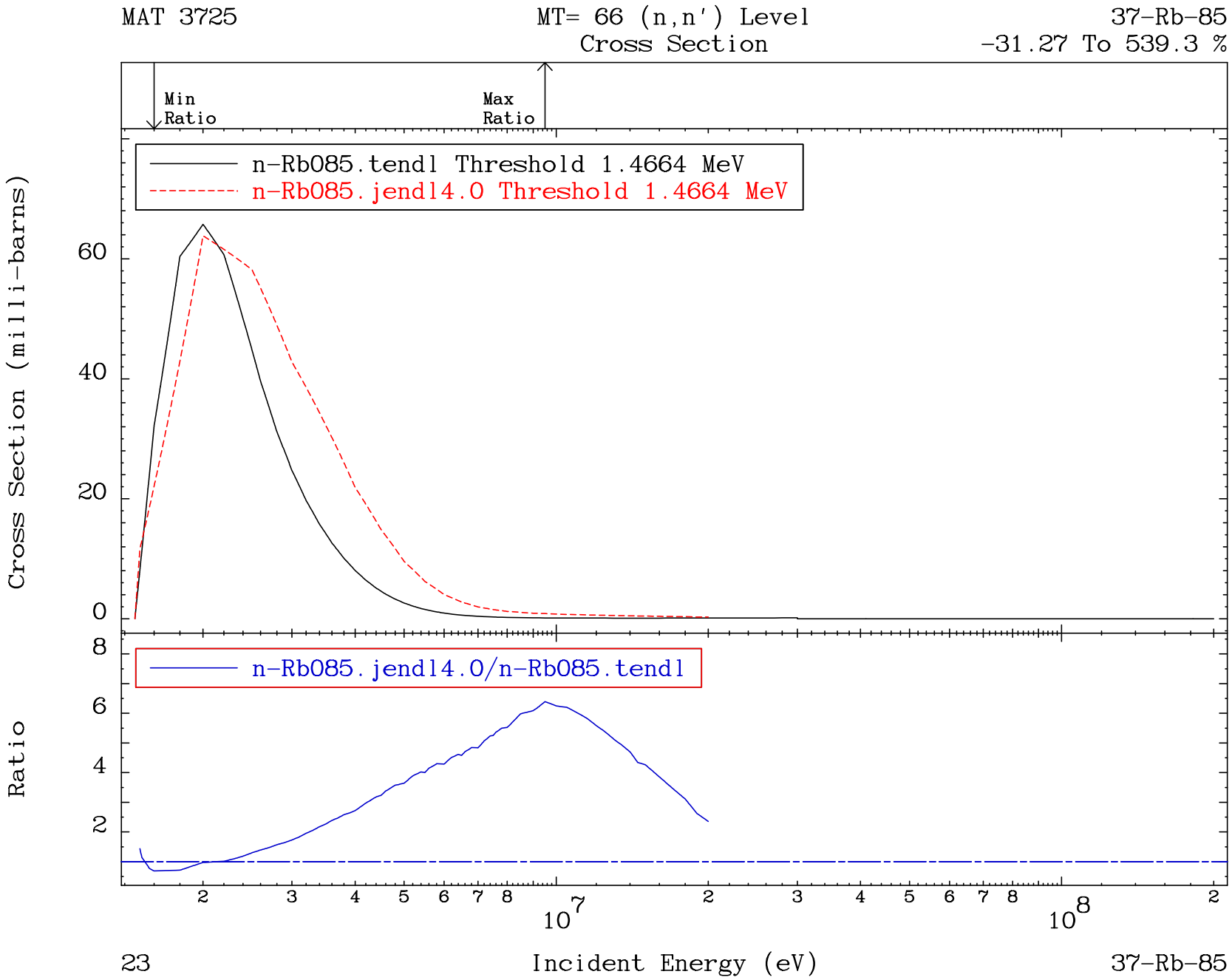

MAT 3725
MT= 61 (n,n') Level
Cross Section
37-Rb-85
40.75 To 1386. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.2491 MeV
n-Rb085.jendl4.0 Threshold 1.1895 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
2
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
37-Rb-85

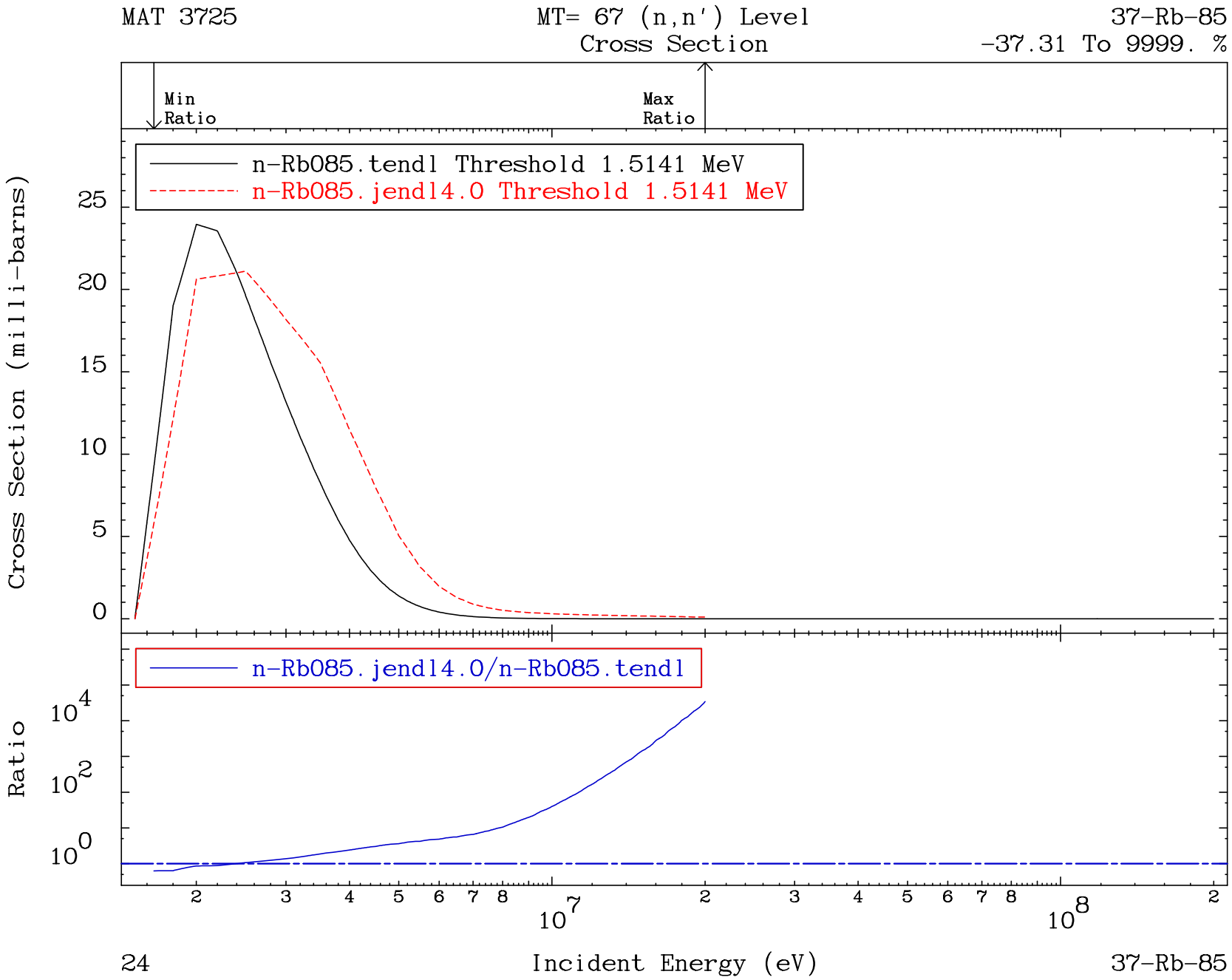

MAT 3725
MT= 62 (n,n') Level
Cross Section
37-Rb-85
-32.99 To 831.1 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.3087 MeV
n-Rb085.jendl4.0 Threshold 1.3087 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
2
10^1
6
4
2
10^0
6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
37-Rb-85

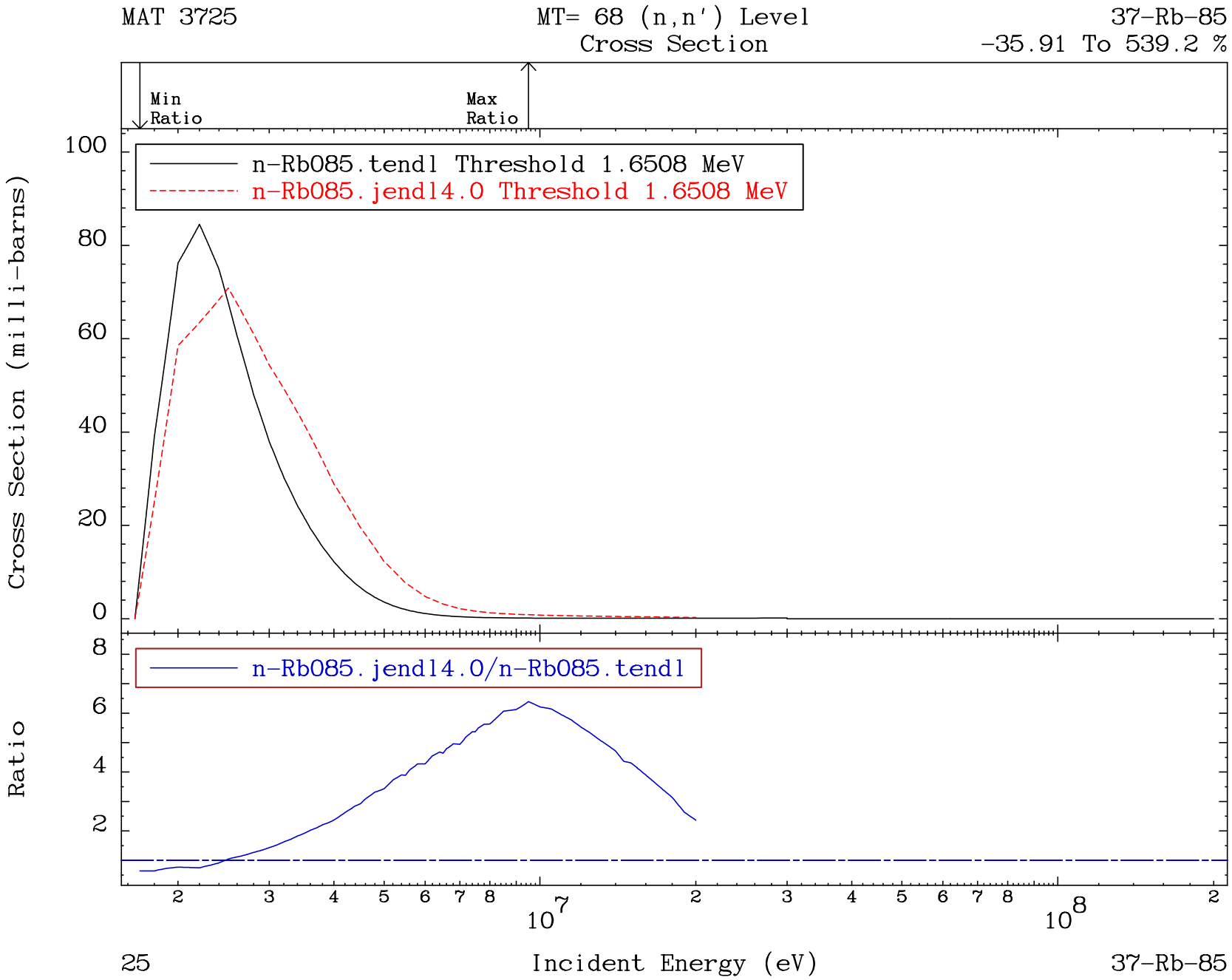

MAT 3725
MT= 63 (n,n') Level
Cross Section
37-Rb-85
-32.46 To 975.0 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.3113 MeV
n-Rb085.jendl4.0 Threshold 1.3113 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
2
10^1
6
4
2
10^0
6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
37-Rb-85

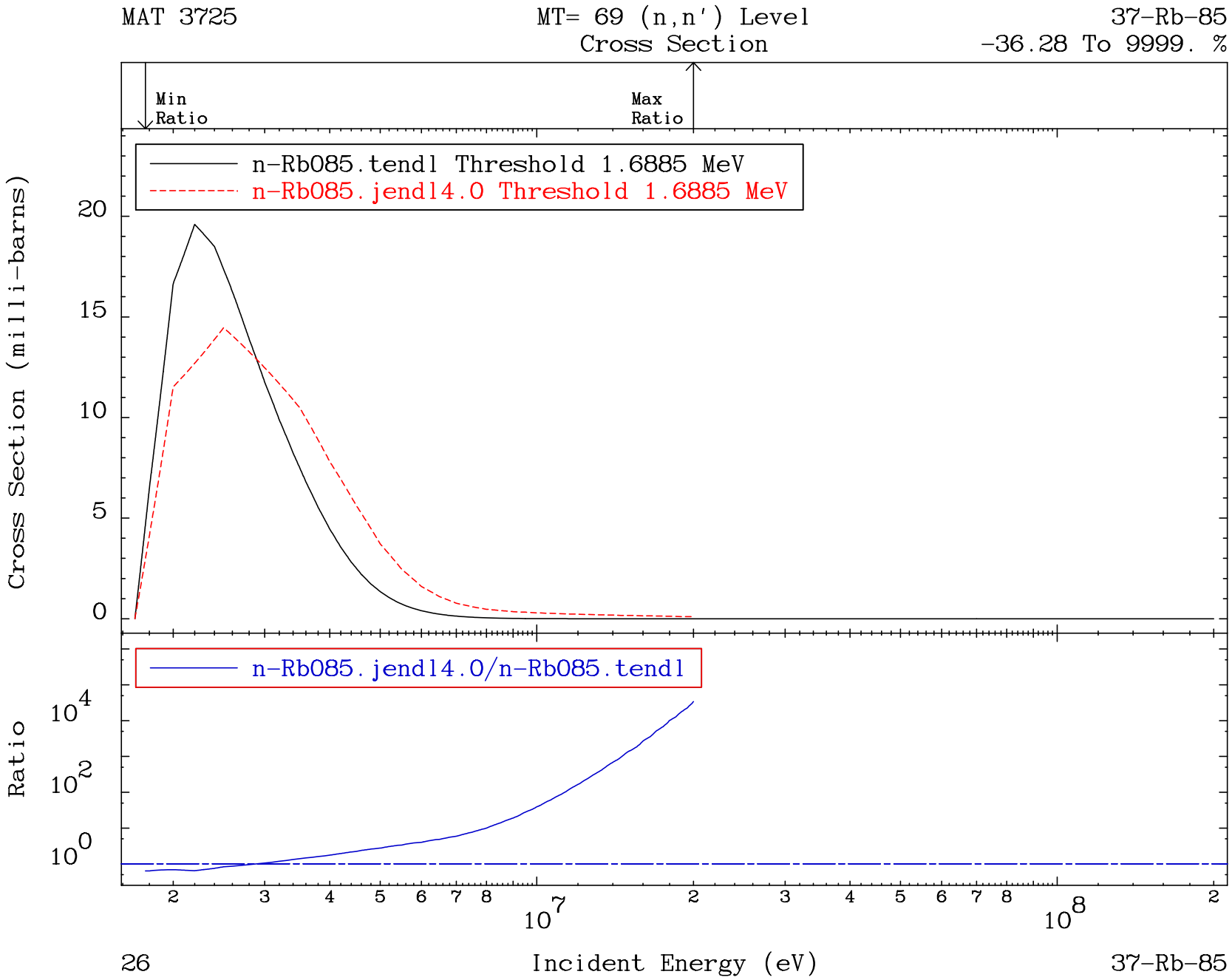

MAT 3725
MT= 64 (n,n') Level
Cross Section
37-Rb-85
-43.17 To 1532. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.4007 MeV
n-Rb085.jendl4.0 Threshold 1.4007 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
4
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
37-Rb-85

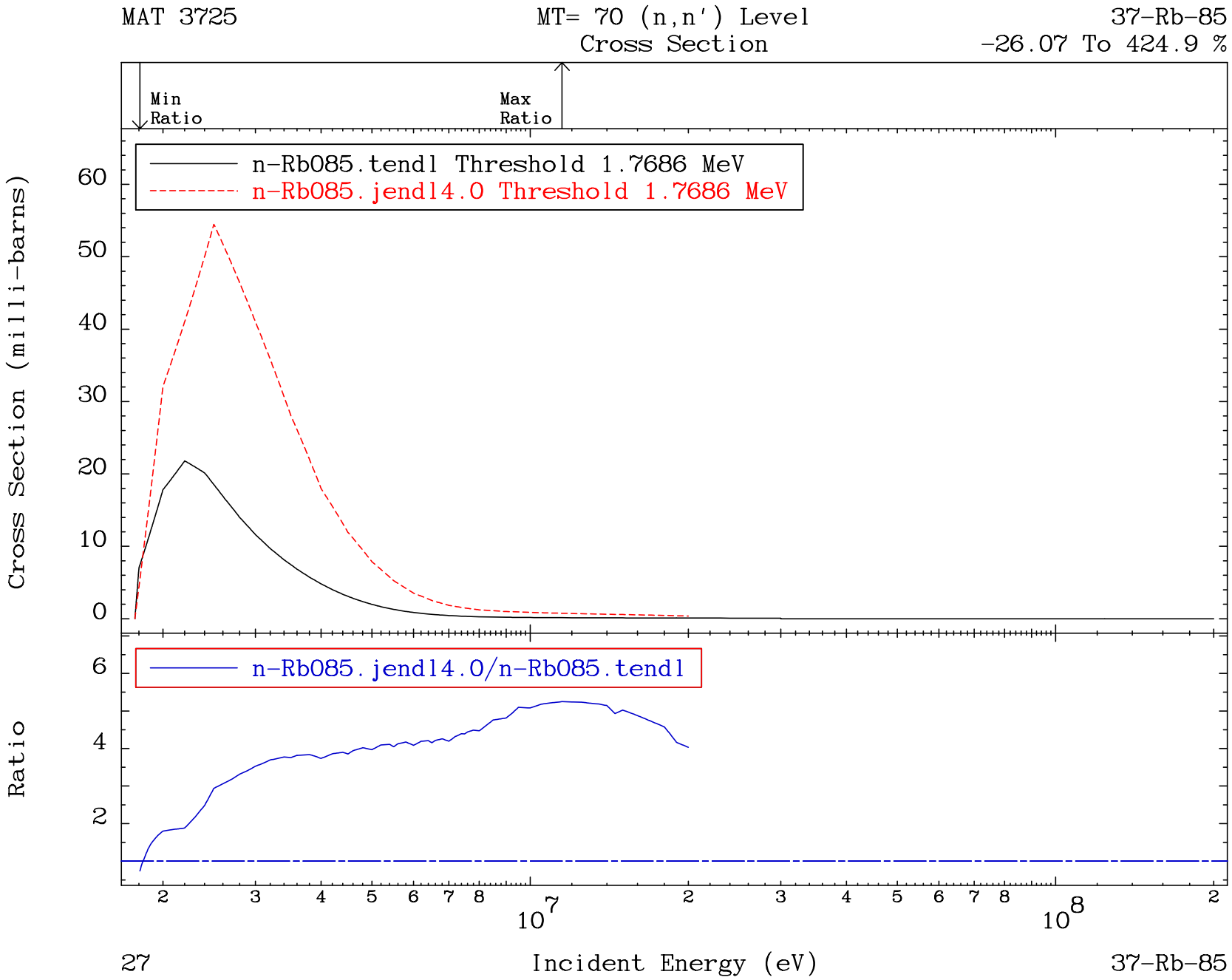

MAT 3725
MT= 65 (n,n') Level
Cross Section
37-Rb-85
-46.09 To 1741. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.4622 MeV
n-Rb085.jendl4.0 Threshold 1.4622 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
10^0
4
2
3
4
5
6
7
8
10^7
10^8
22
Incident Energy (eV)
37-Rb-85

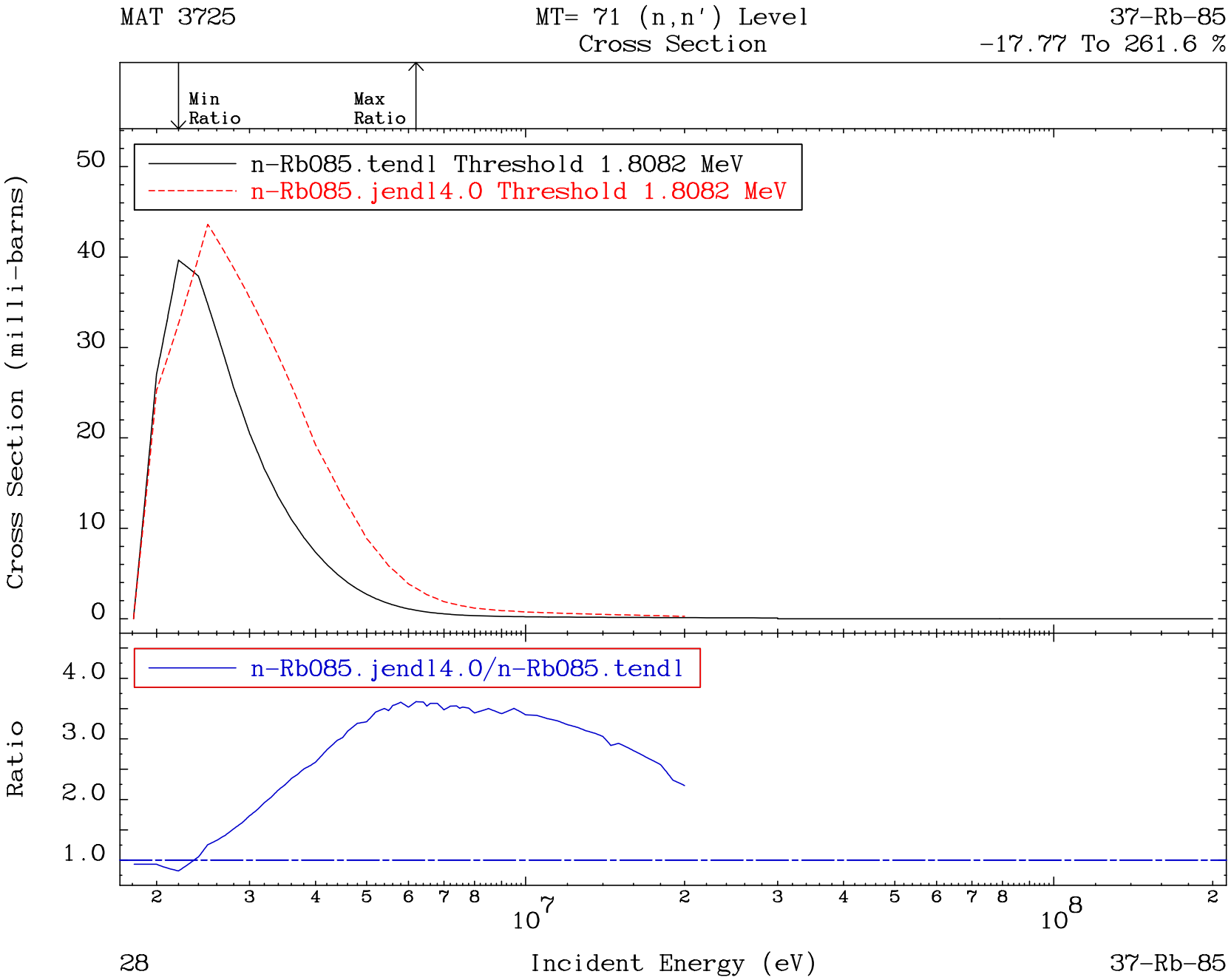

MAT 3725
MT= 66 (n,n') Level
Cross Section
37-Rb-85
-31.27 To 539.3 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.4664 MeV
n-Rb085.jendl4.0 Threshold 1.4664 MeV
Cross Section (milli-barns)
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
8
6
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
37-Rb-85

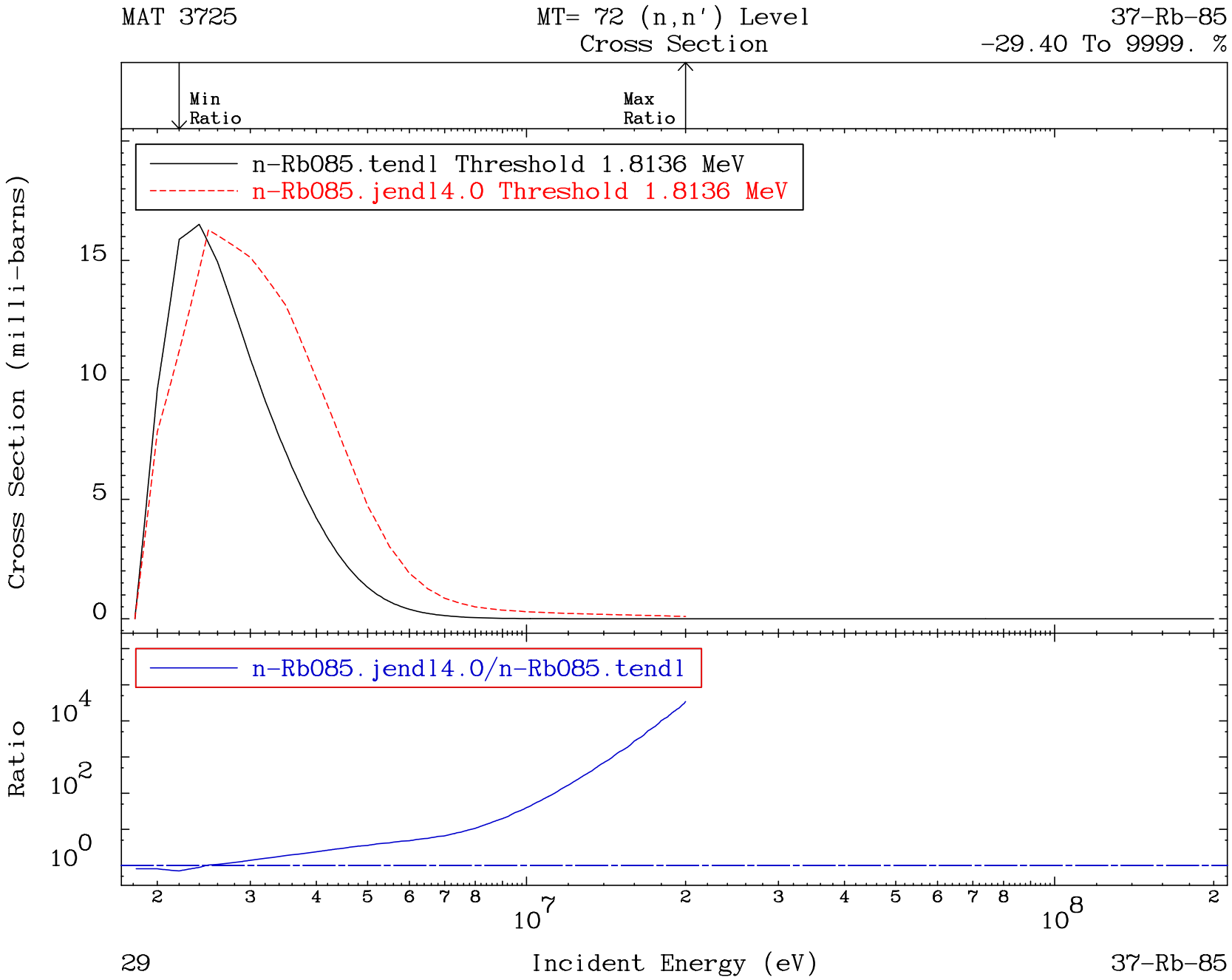

MAT 3725
MT= 67 (n,n') Level
Cross Section
37-Rb-85
-37.31 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.5141 MeV
n-Rb085.jendl4.0 Threshold 1.5141 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
37-Rb-85

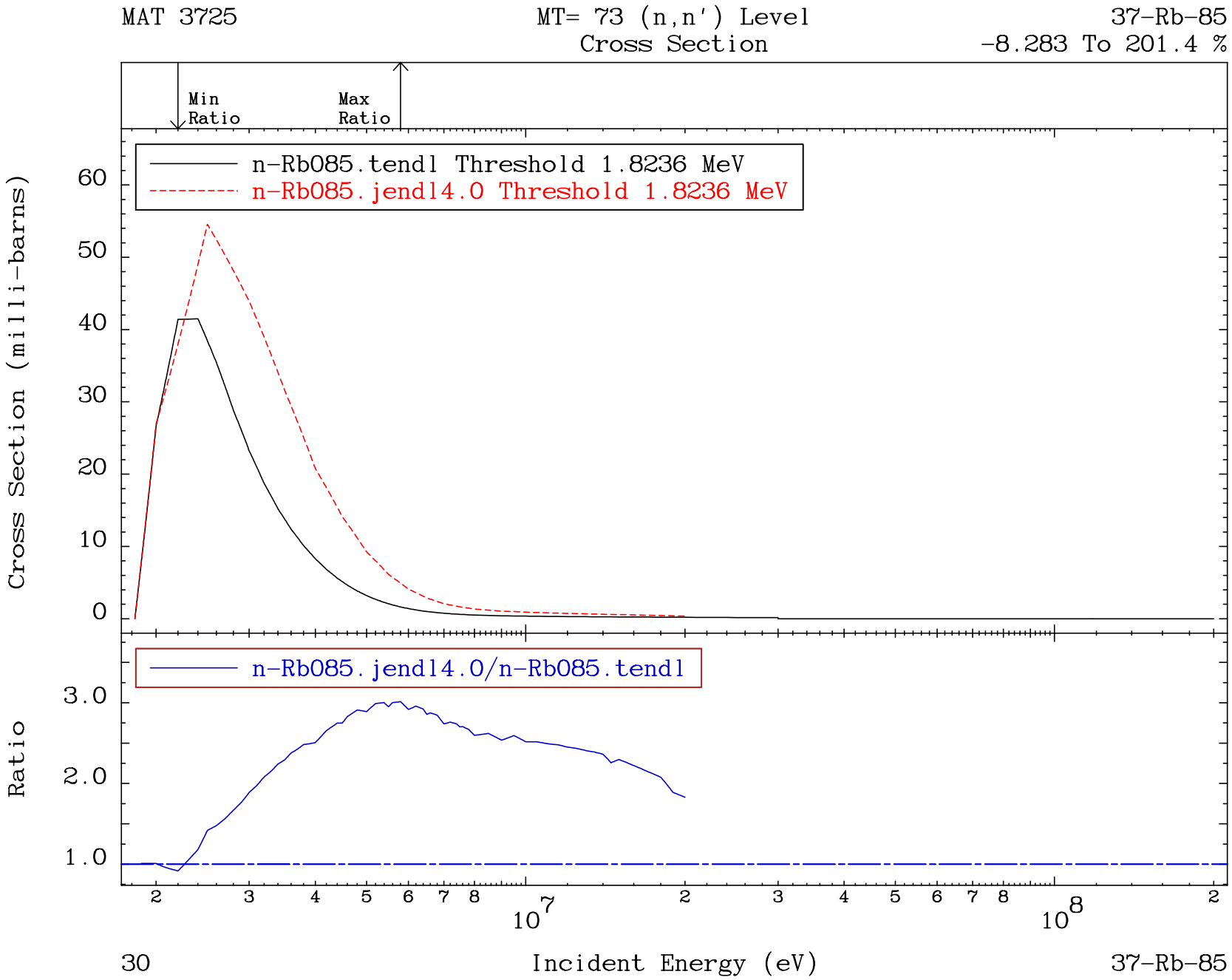

MAT 3725
MT= 68 (n,n') Level
Cross Section
37-Rb-85
-35.91 To 539.2 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.6508 MeV
n-Rb085.jendl4.0 Threshold 1.6508 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
8
6
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
37-Rb-85

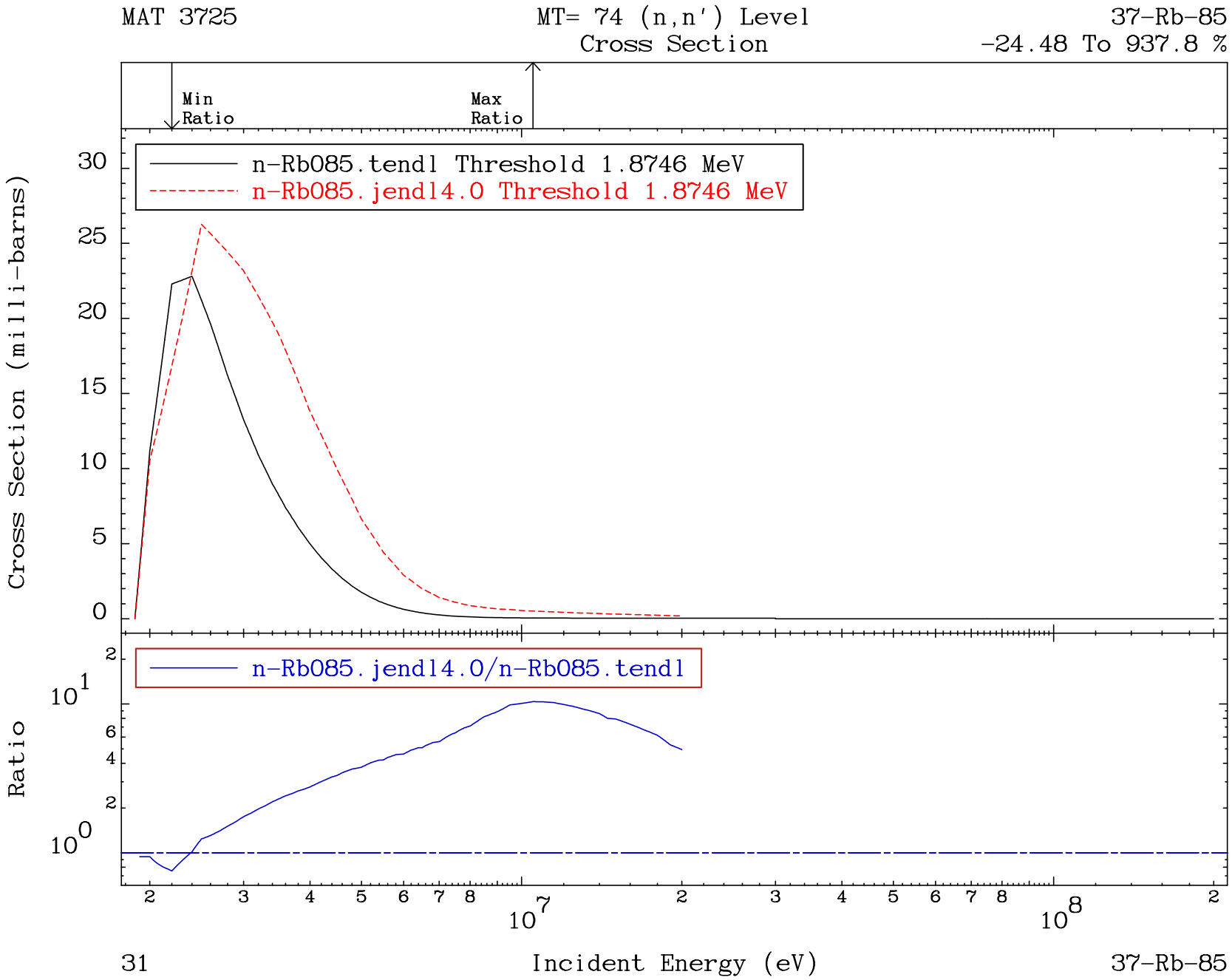

MAT 3725
MT= 69 (n,n') Level
Cross Section
37-Rb-85
-36.28 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.6885 MeV
n-Rb085.jendl4.0 Threshold 1.6885 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
37-Rb-85

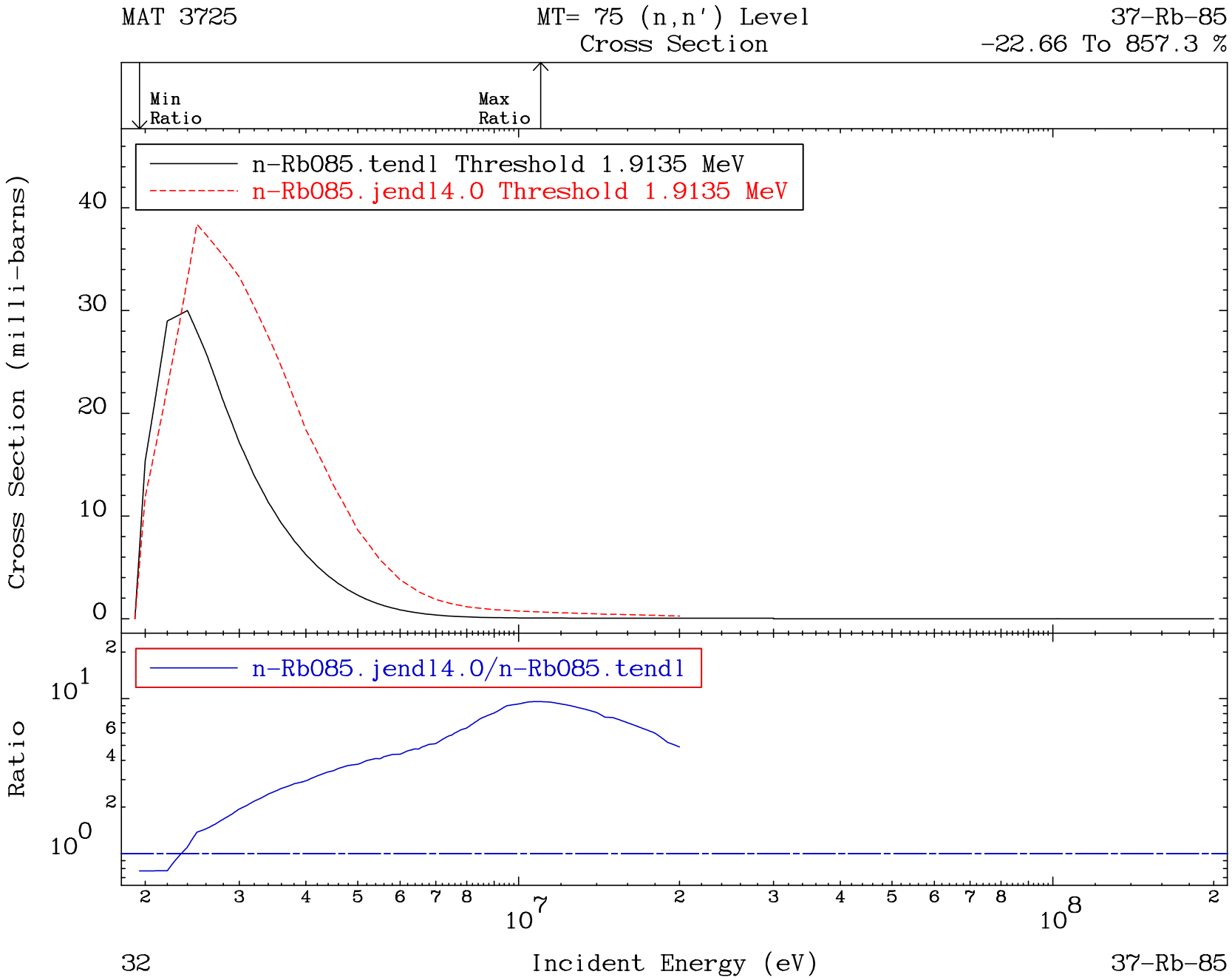

MAT 3725
MT= 70 (n,n') Level
Cross Section
37-Rb-85
-26.07 To 424.9 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.7686 MeV
n-Rb085.jendl4.0 Threshold 1.7686 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
37-Rb-85

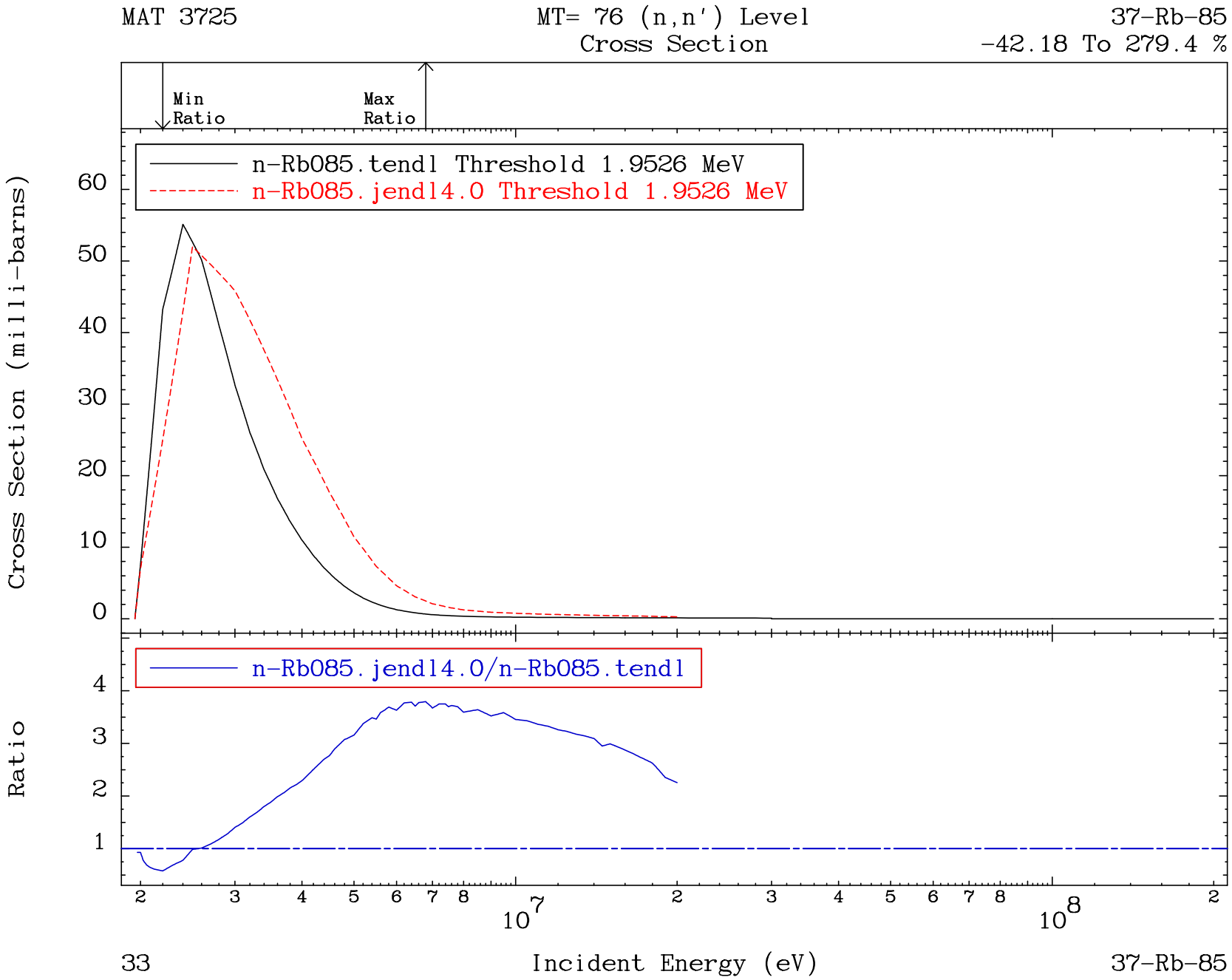

MAT 3725
MT= 71 (n,n') Level
Cross Section
37-Rb-85
-17.77 To 261.6 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.8082 MeV
n-Rb085.jendl4.0 Threshold 1.8082 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
37-Rb-85

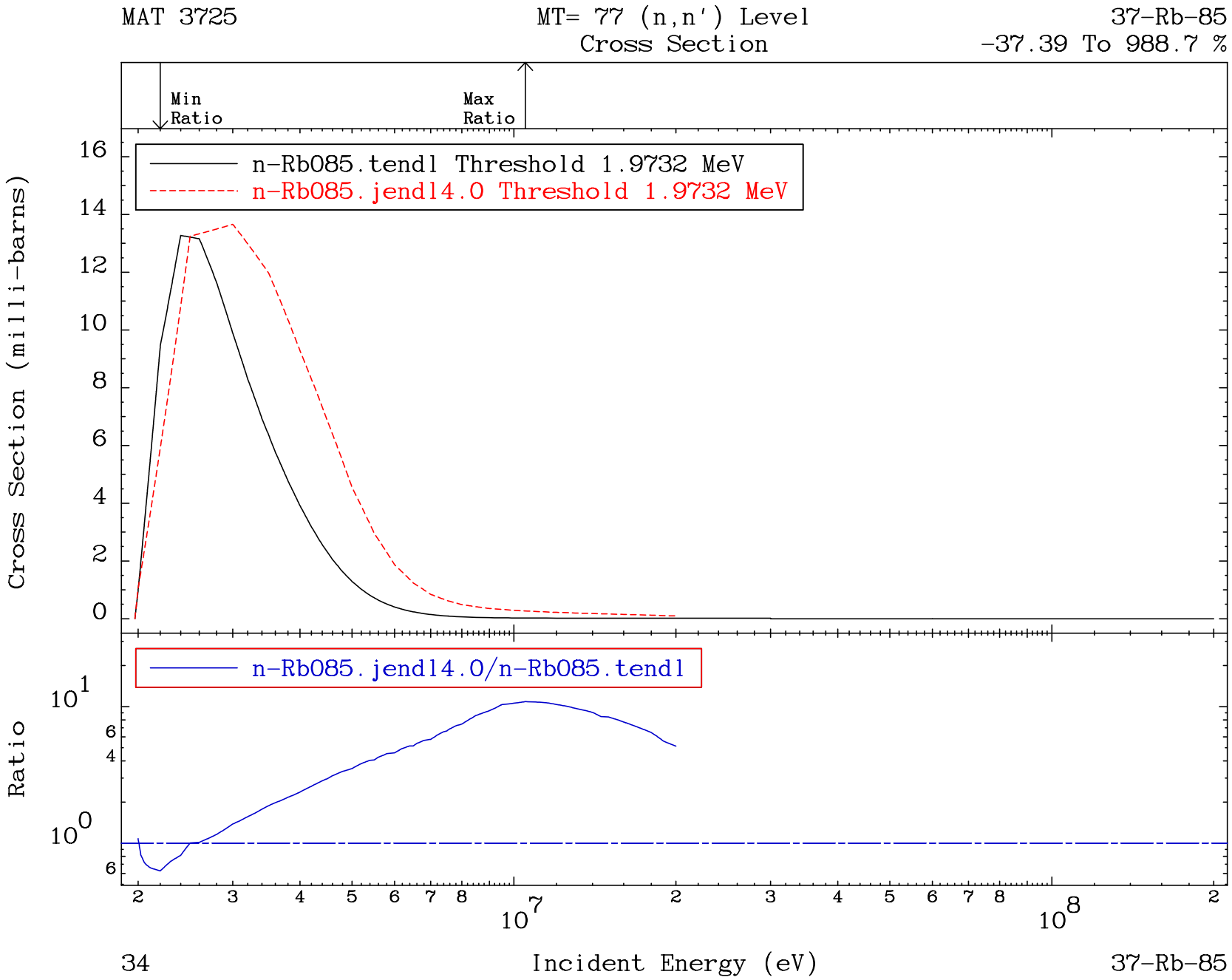

MAT 3725
MT= 72 (n,n') Level
Cross Section
37-Rb-85
-29.40 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.8136 MeV
n-Rb085.jendl4.0 Threshold 1.8136 MeV
Cross Section (milli-barns)
15
10
5
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
37-Rb-85

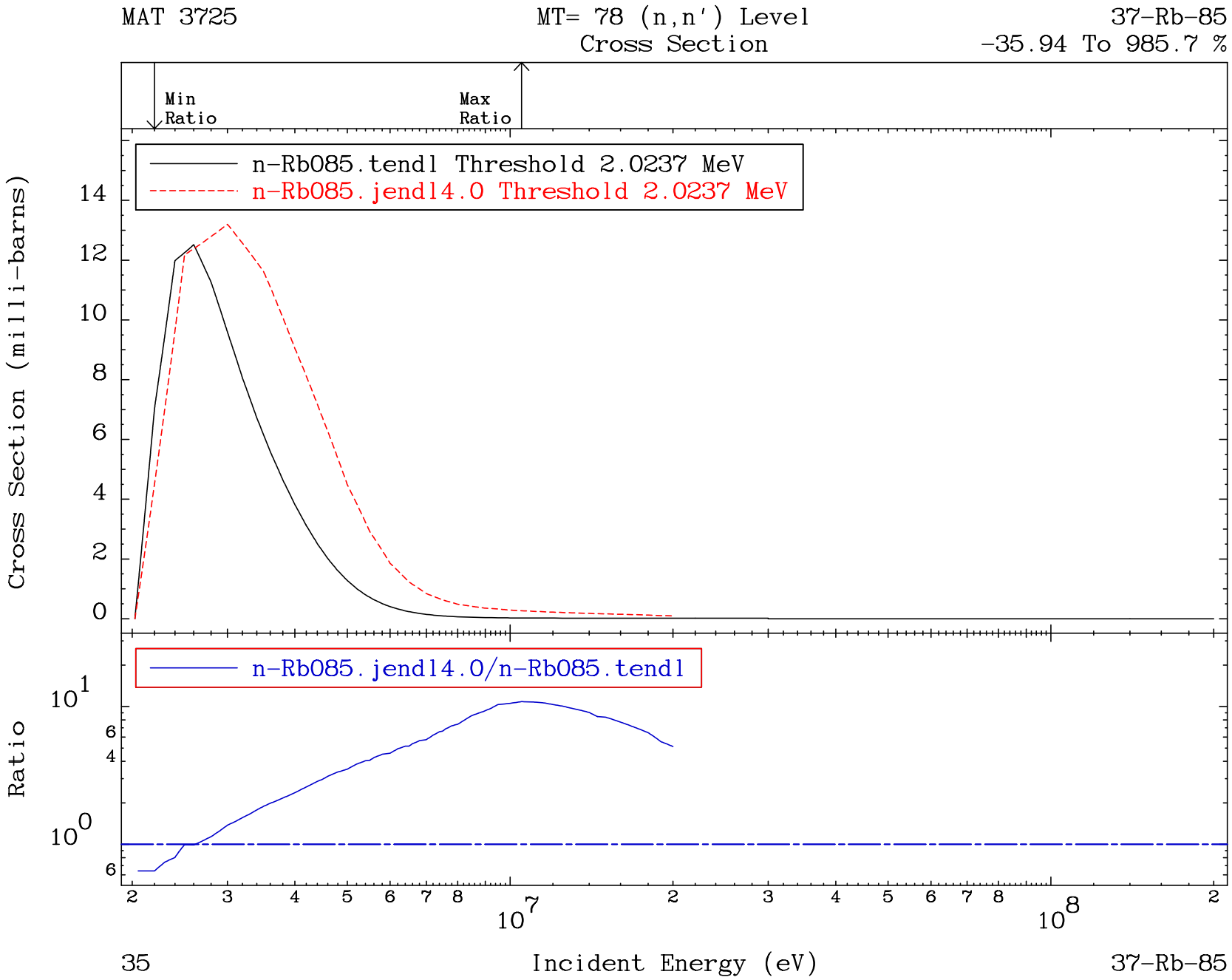

MAT 3725
MT= 73 (n,n') Level
Cross Section
37-Rb-85
-8.283 To 201.4 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.8236 MeV
n-Rb085.jendl4.0 Threshold 1.8236 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
37-Rb-85

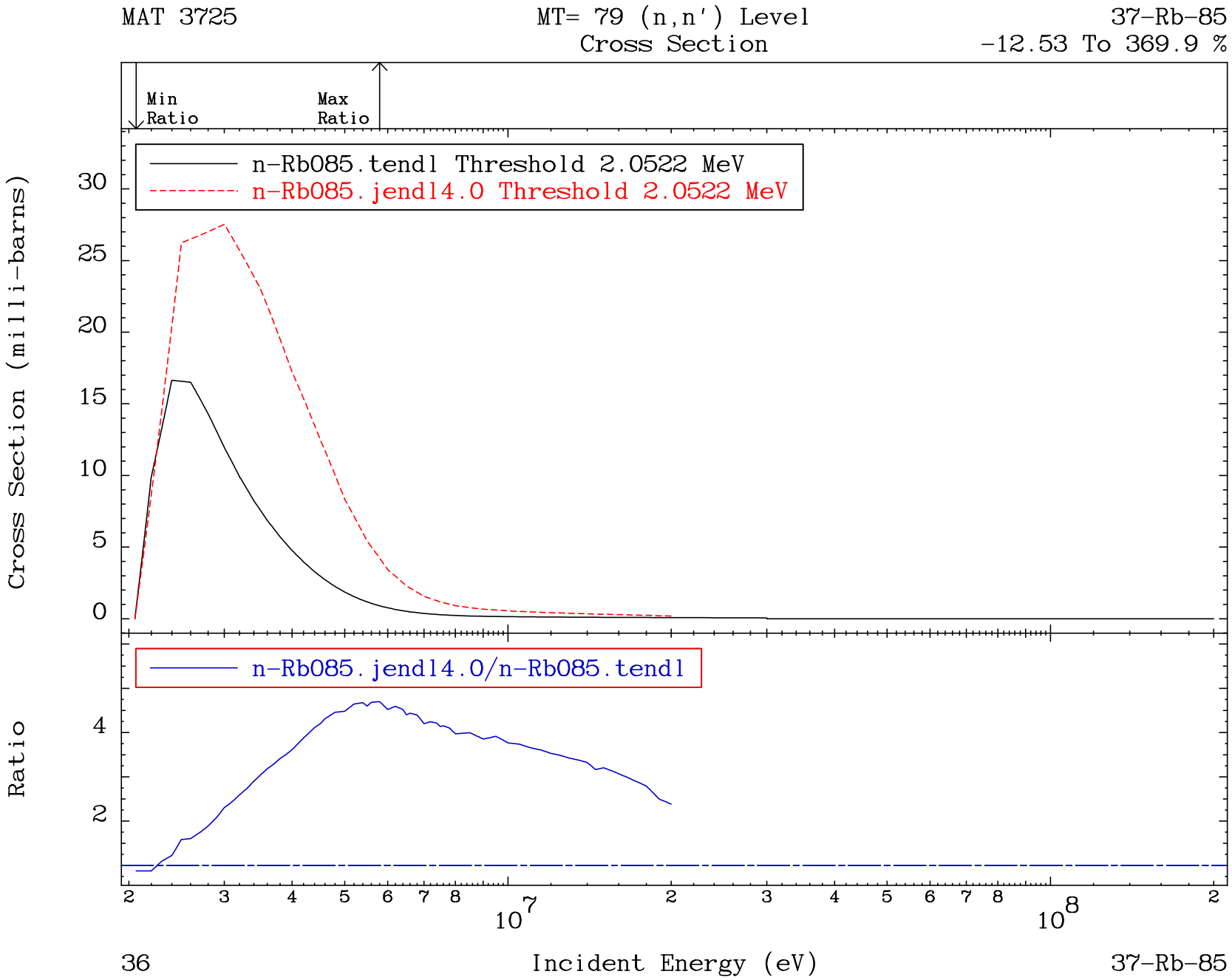

MAT 3725
MT= 74 (n,n') Level
Cross Section
37-Rb-85
-24.48 To 937.8 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.8746 MeV
n-Rb085.jendl4.0 Threshold 1.8746 MeV
Cross Section (milli-barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
31
37-Rb-85

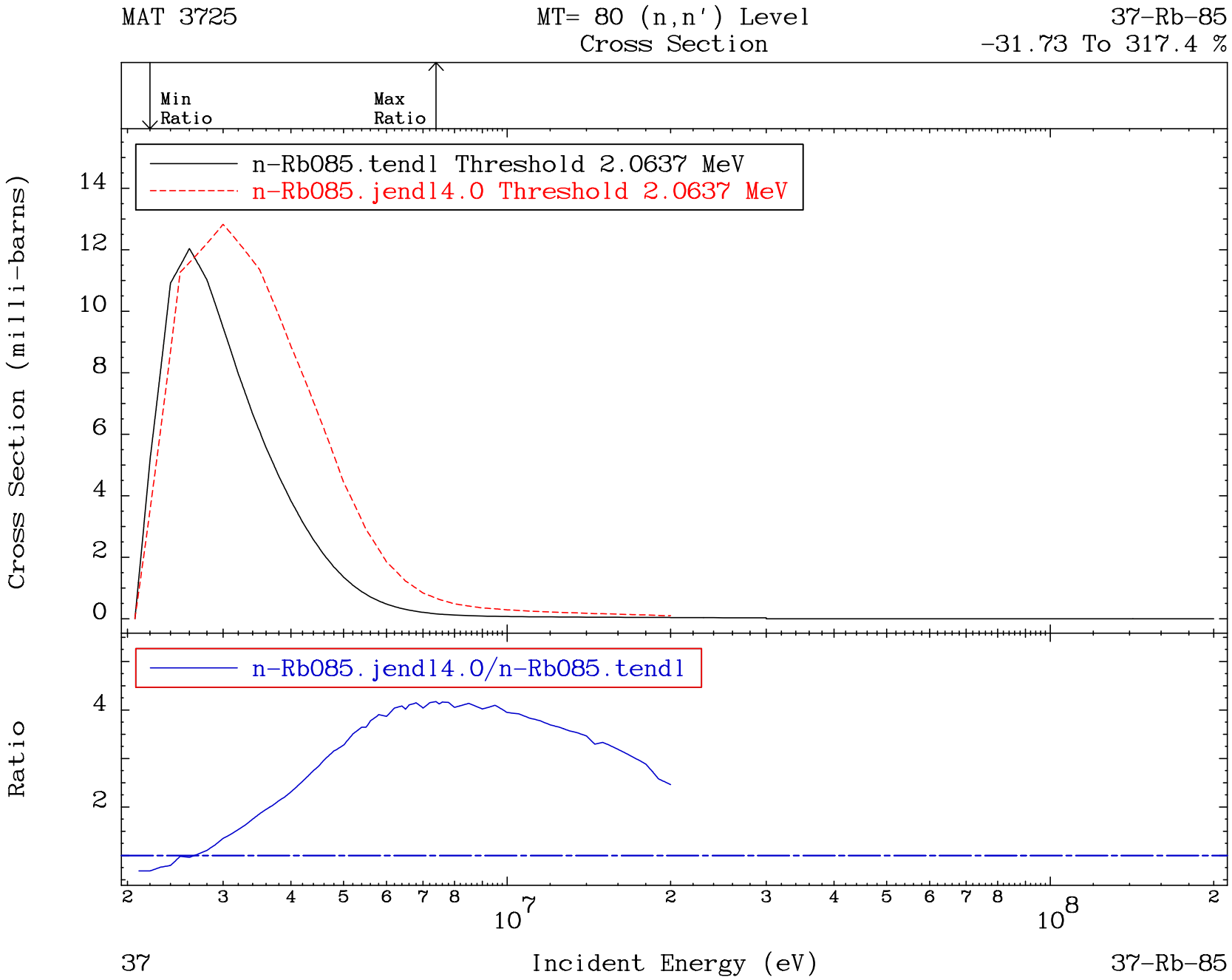

MAT 3725
MT= 75 (n,n') Level
Cross Section
37-Rb-85
-22.66 To 857.3 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.9135 MeV
n-Rb085.jendl4.0 Threshold 1.9135 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
6
4
2
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
37-Rb-85

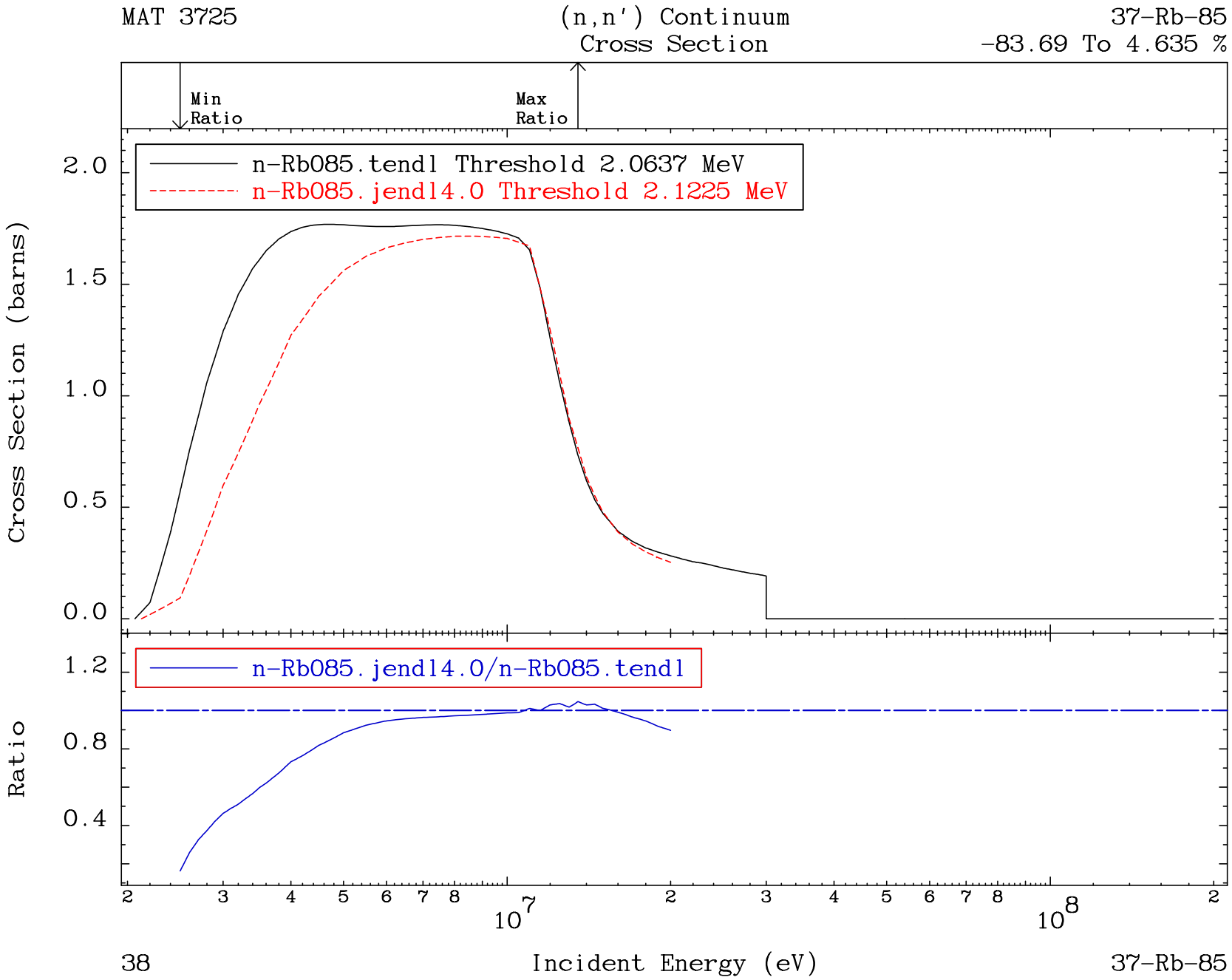

MAT 3725
MT= 76 (n,n') Level
Cross Section
37-Rb-85
-42.18 To 279.4 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.9526 MeV
n-Rb085.jendl4.0 Threshold 1.9526 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
4
3
2
1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
37-Rb-85

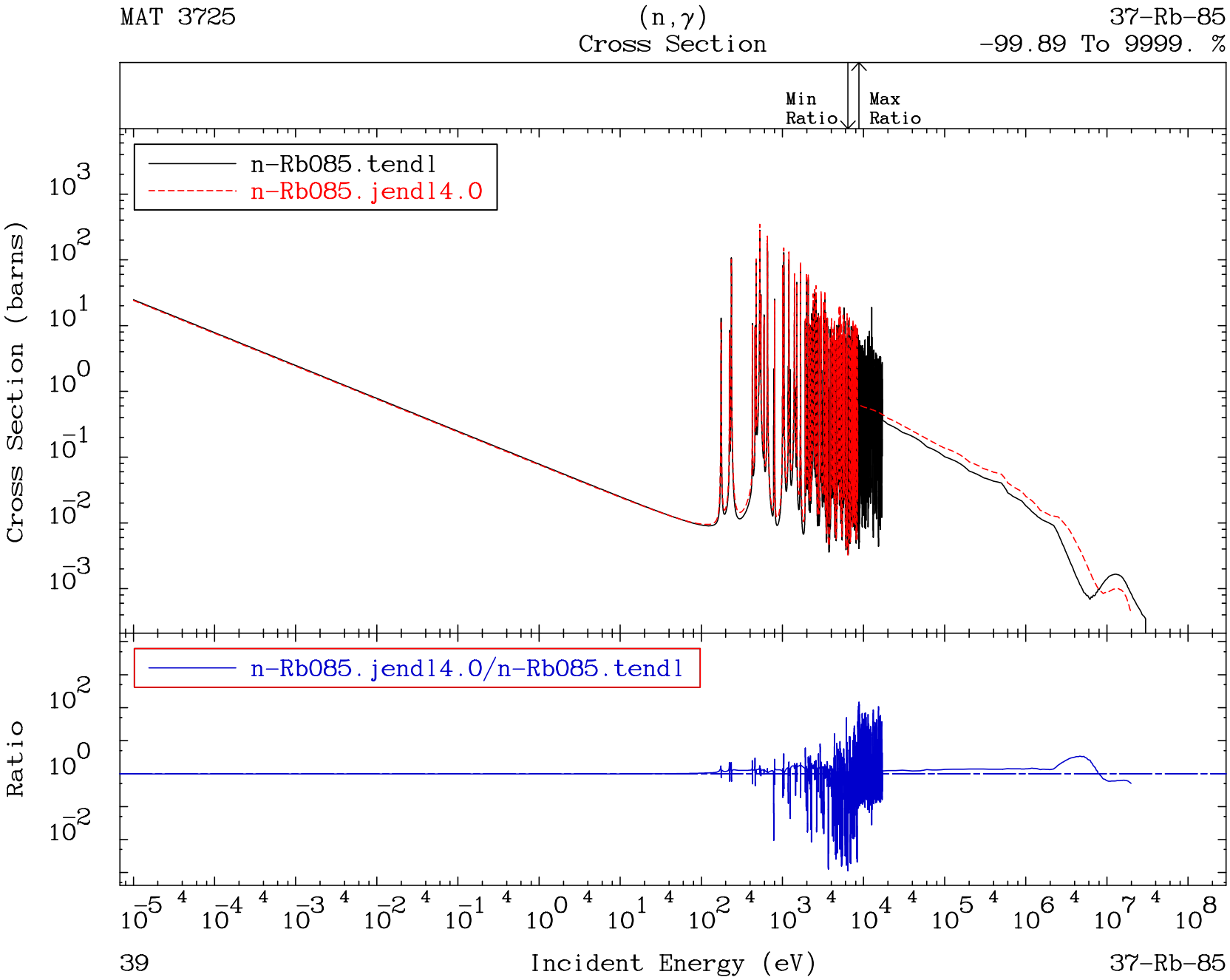

MAT 3725
MT= 77 (n,n') Level
Cross Section
37-Rb-85
-37.39 To 988.7 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 1.9732 MeV
n-Rb085.jendl4.0 Threshold 1.9732 MeV
Cross Section (milli-barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
34
37-Rb-85

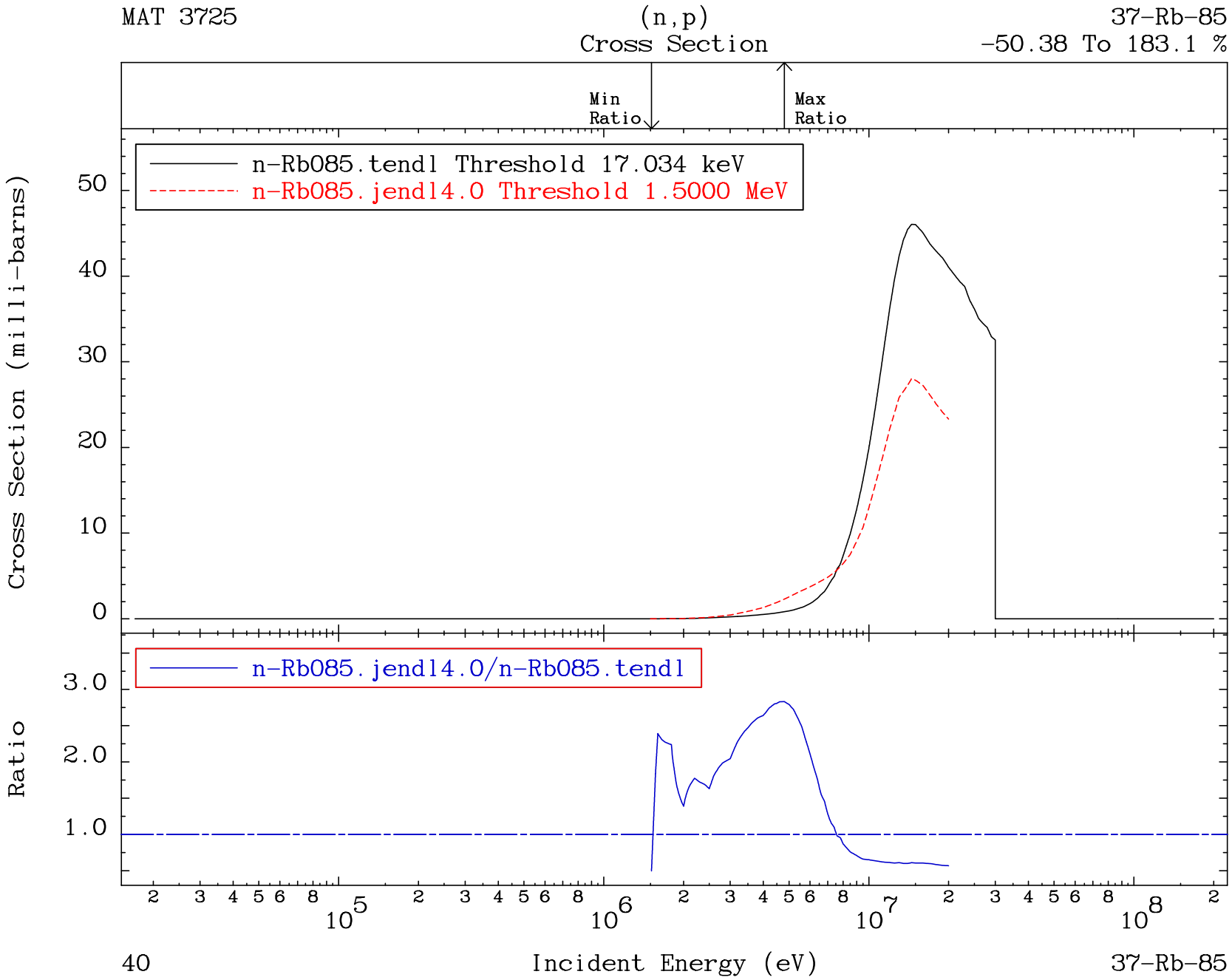

MAT 3725
MT= 78 (n,n') Level
Cross Section
37-Rb-85
-35.94 To 985.7 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 2.0237 MeV
n-Rb085.jendl4.0 Threshold 2.0237 MeV
Cross Section (milli-barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
35
37-Rb-85

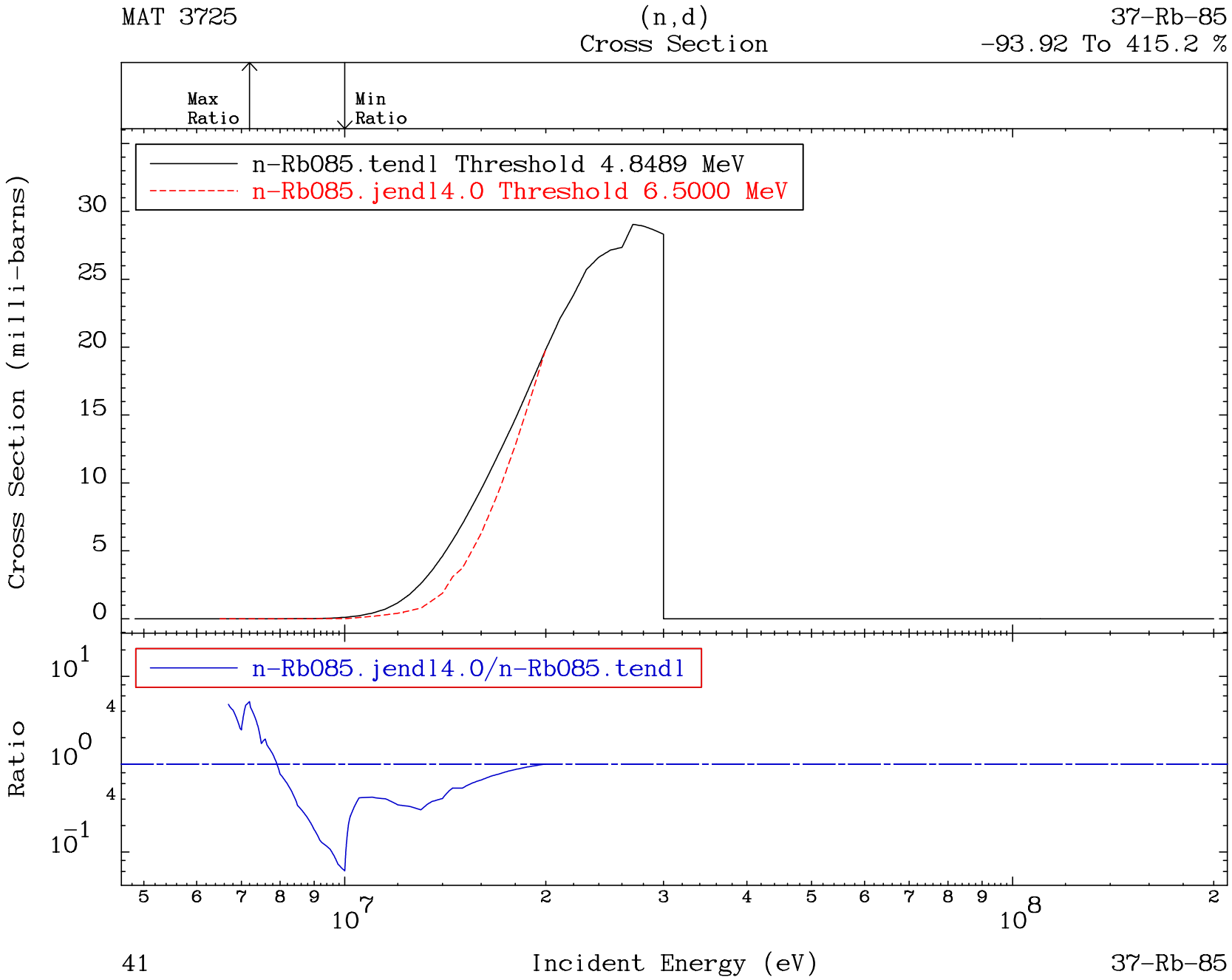

MAT 3725
MT= 79 (n,n') Level
Cross Section
37-Rb-85
-12.53 To 369.9 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 2.0522 MeV
n-Rb085.jendl4.0 Threshold 2.0522 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
37-Rb-85

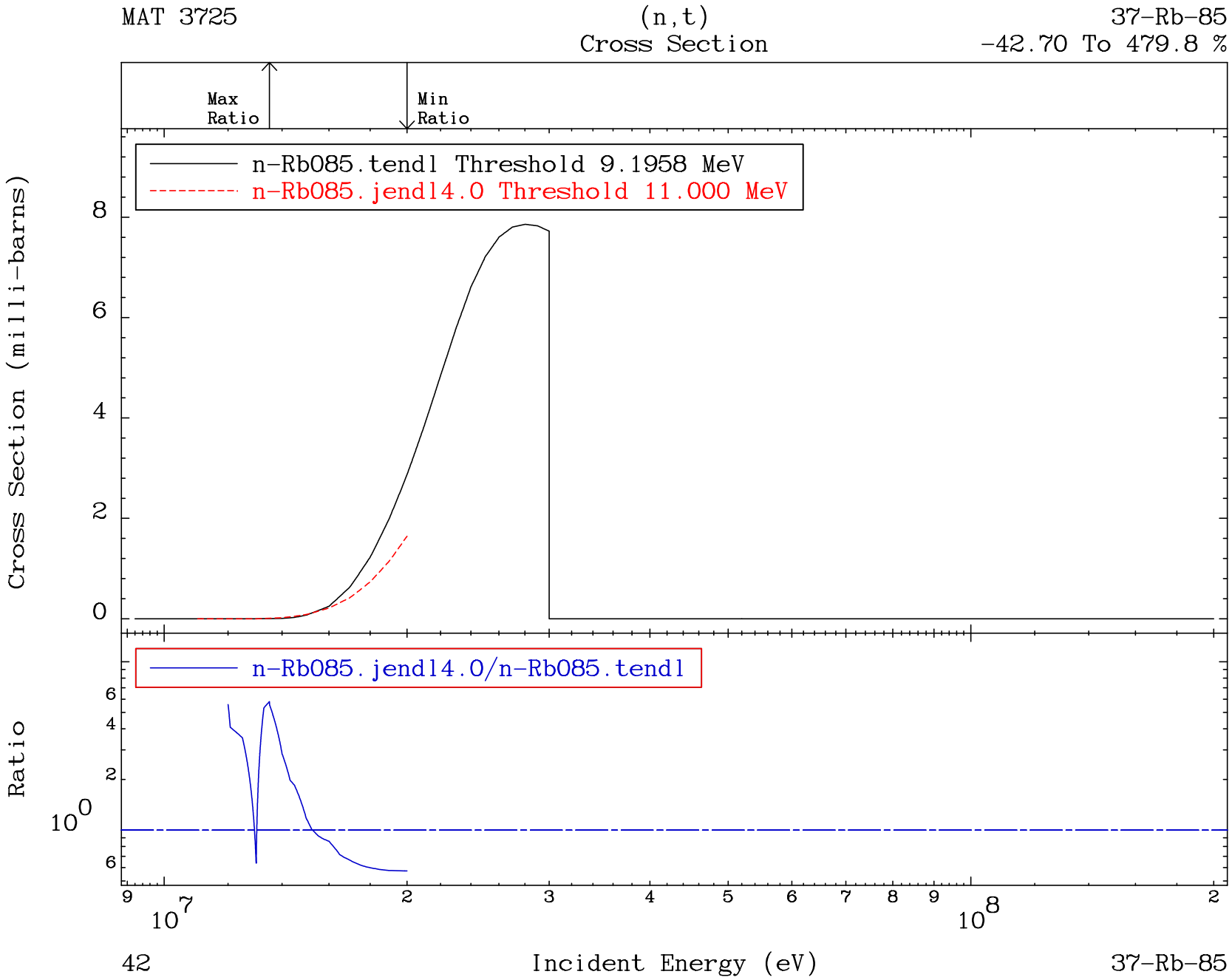

MAT 3725
MT= 80 (n,n') Level
Cross Section
37-Rb-85
-31.73 To 317.4 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 2.0637 MeV
n-Rb085.jendl4.0 Threshold 2.0637 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
2
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
37-Rb-85

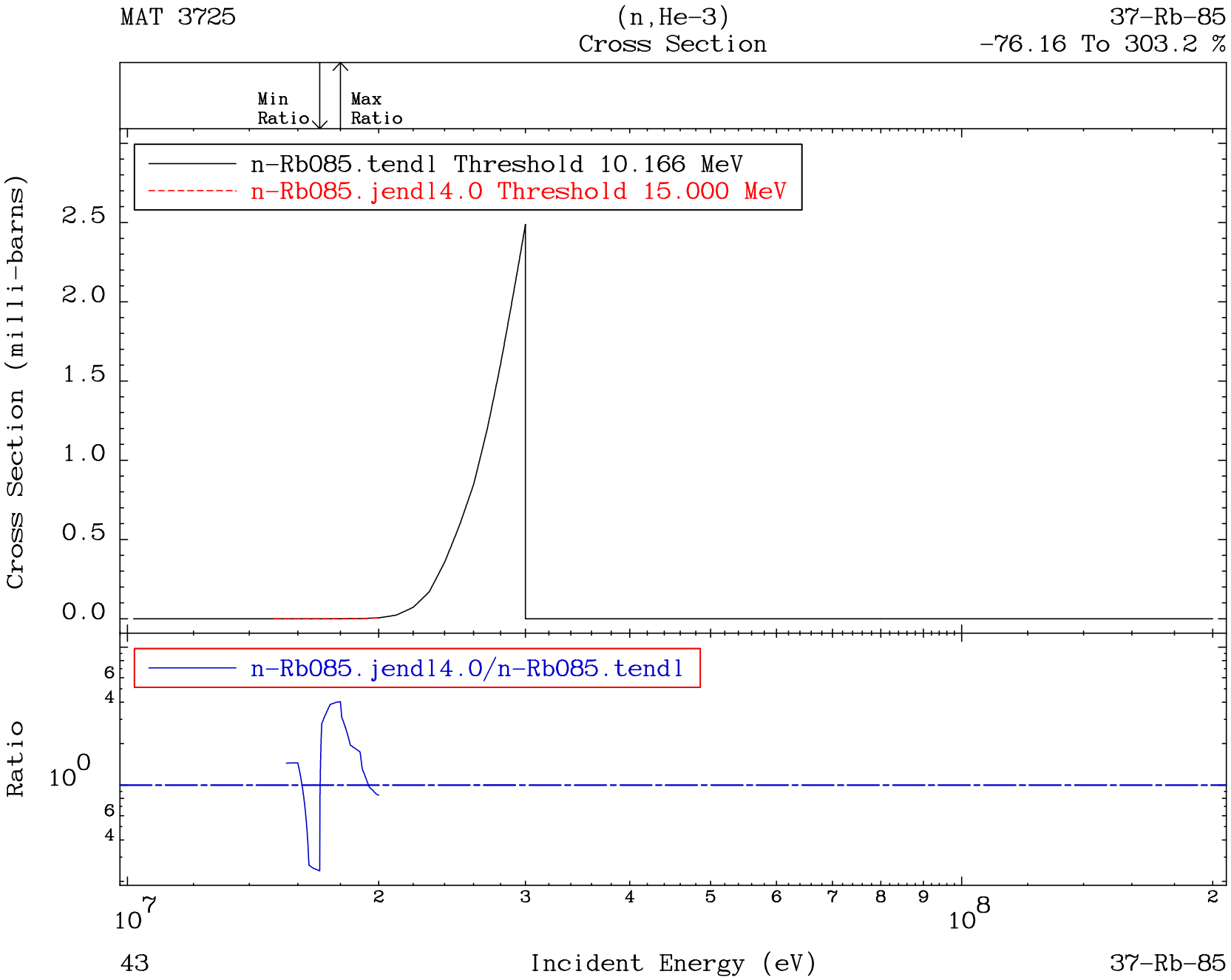

MAT 3725
(n,n') Continuum
Cross Section
37-Rb-85
-83.69 To 4.635 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 2.0637 MeV
n-Rb085.jendl4.0 Threshold 2.1225 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
37-Rb-85

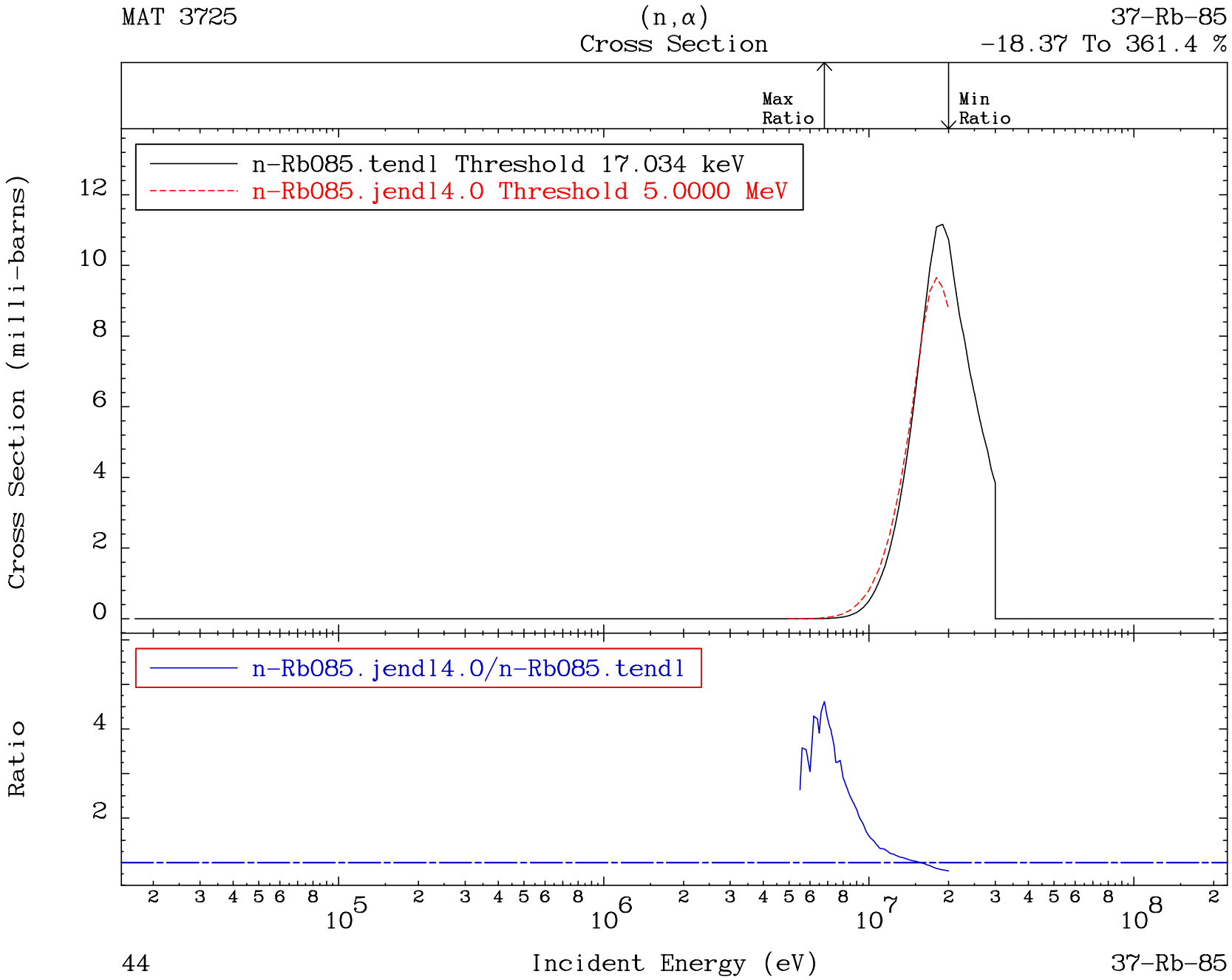

MAT 3725
(n,γ)
Cross Section
37-Rb-85
-99.89 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
39
37-Rb-85

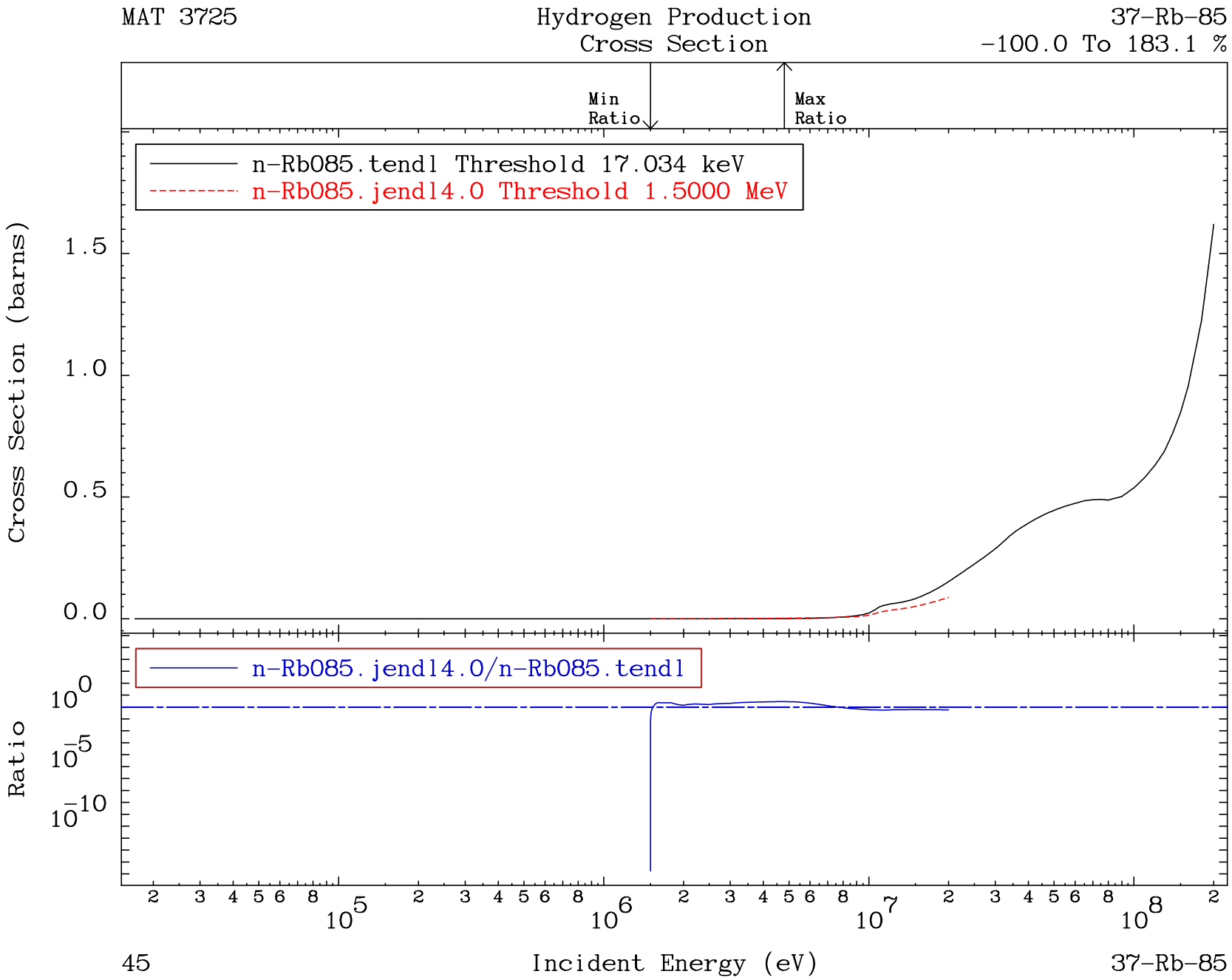

MAT 3725
(n,p)
Cross Section
37-Rb-85
-50.38 To 183.1 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 17.034 keV
n-Rb085.jendl4.0 Threshold 1.5000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
3.0
2.0
1.0
2 3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
37-Rb-85

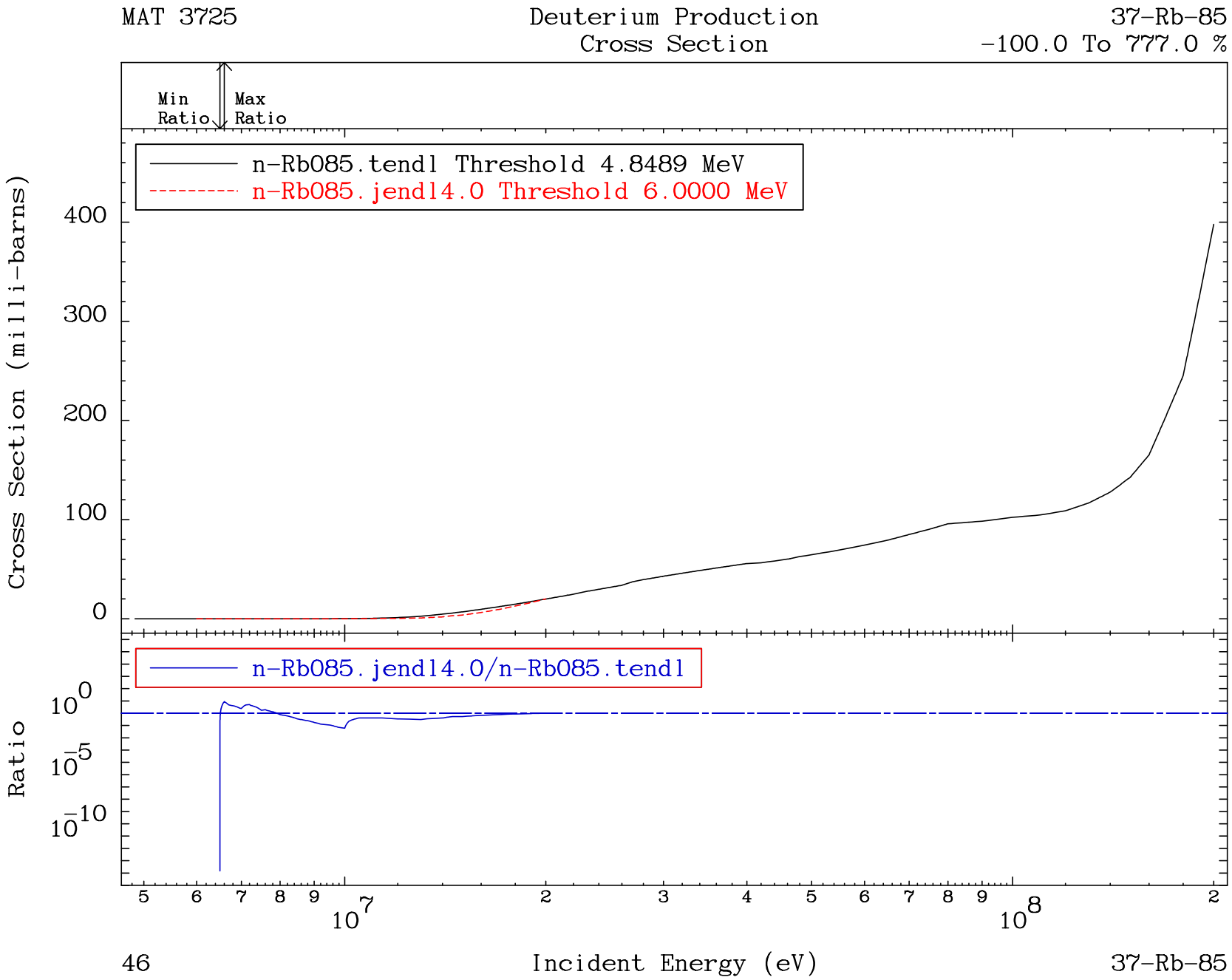

MAT 3725
(n,d)
Cross Section
37-Rb-85
-93.92 To 415.2 %
Max Ratio
Min Ratio
n-Rb085.tendl Threshold 4.8489 MeV
n-Rb085.jendl4.0 Threshold 6.5000 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
30
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^1
4
10^0
4
10^-1
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
37-Rb-85

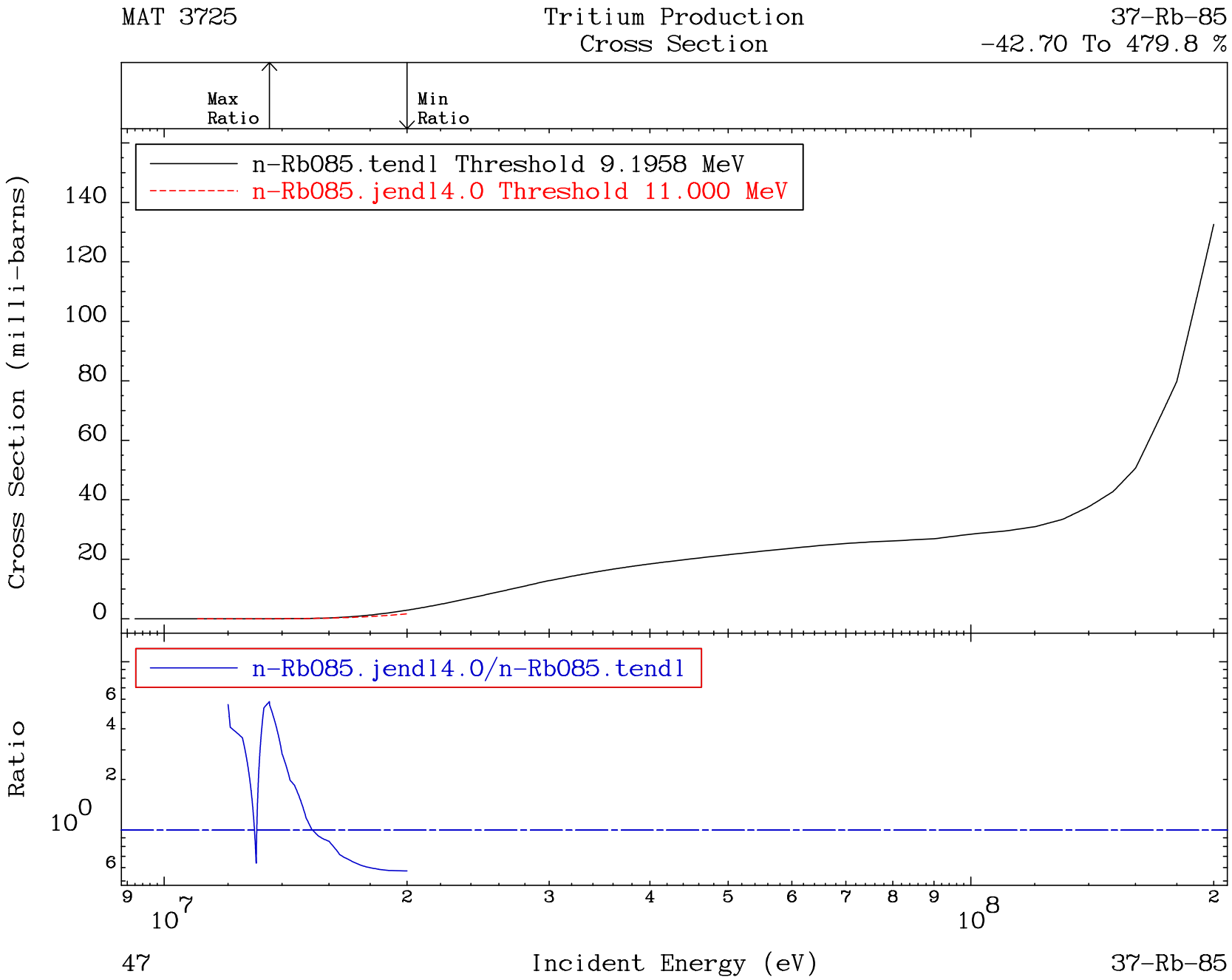

MAT 3725
(n,t)
Cross Section
37-Rb-85
-42.70 To 479.8 %
Max Ratio
Min Ratio
n-Rb085.tendl Threshold 9.1958 MeV
n-Rb085.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^0
6
4
2
6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
37-Rb-85

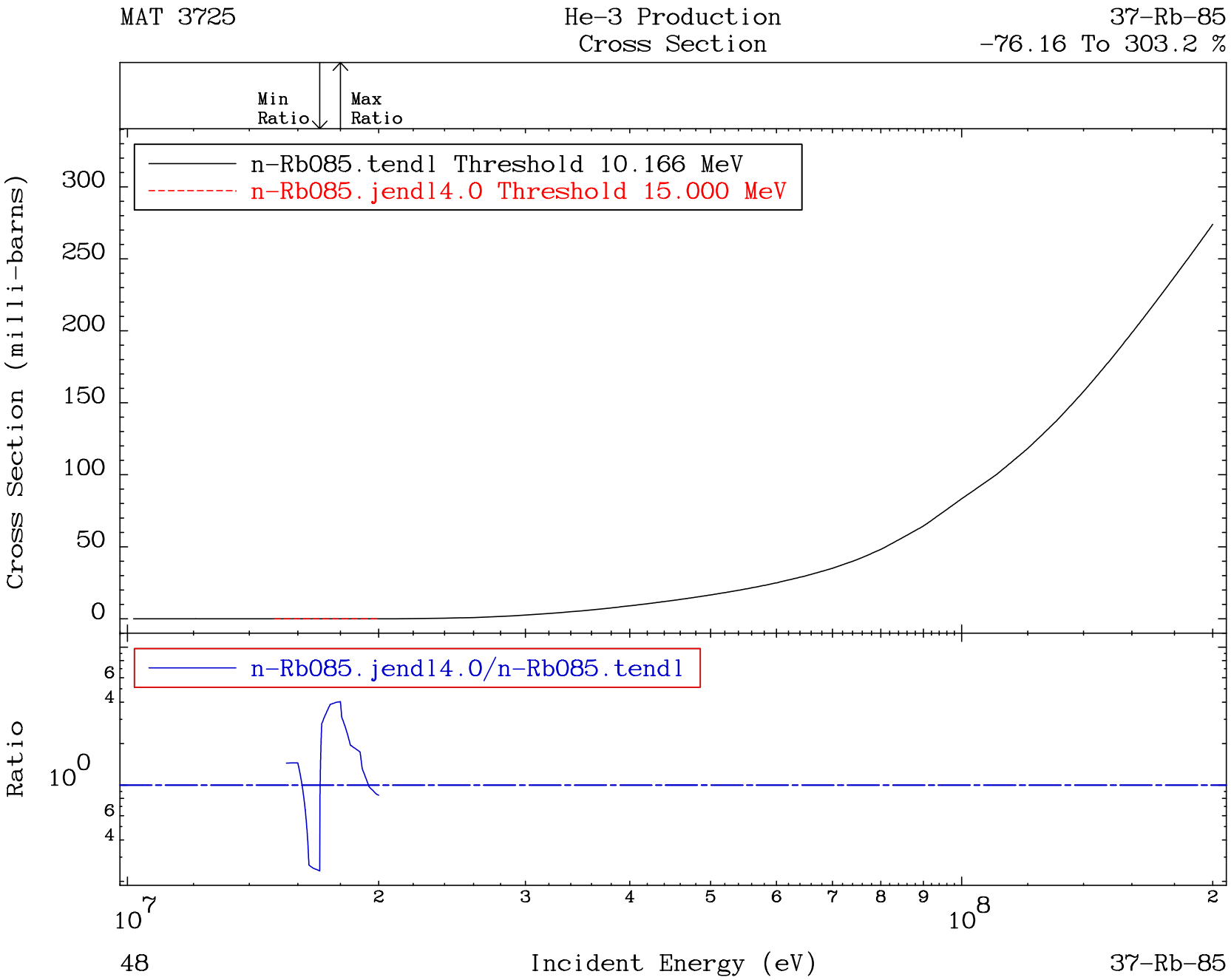

MAT 3725
(n,He-3)
Cross Section
37-Rb-85
-76.16 To 303.2 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 10.166 MeV
n-Rb085.jendl4.0 Threshold 15.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
6
4
10^0
6
4
10^7
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
37-Rb-85

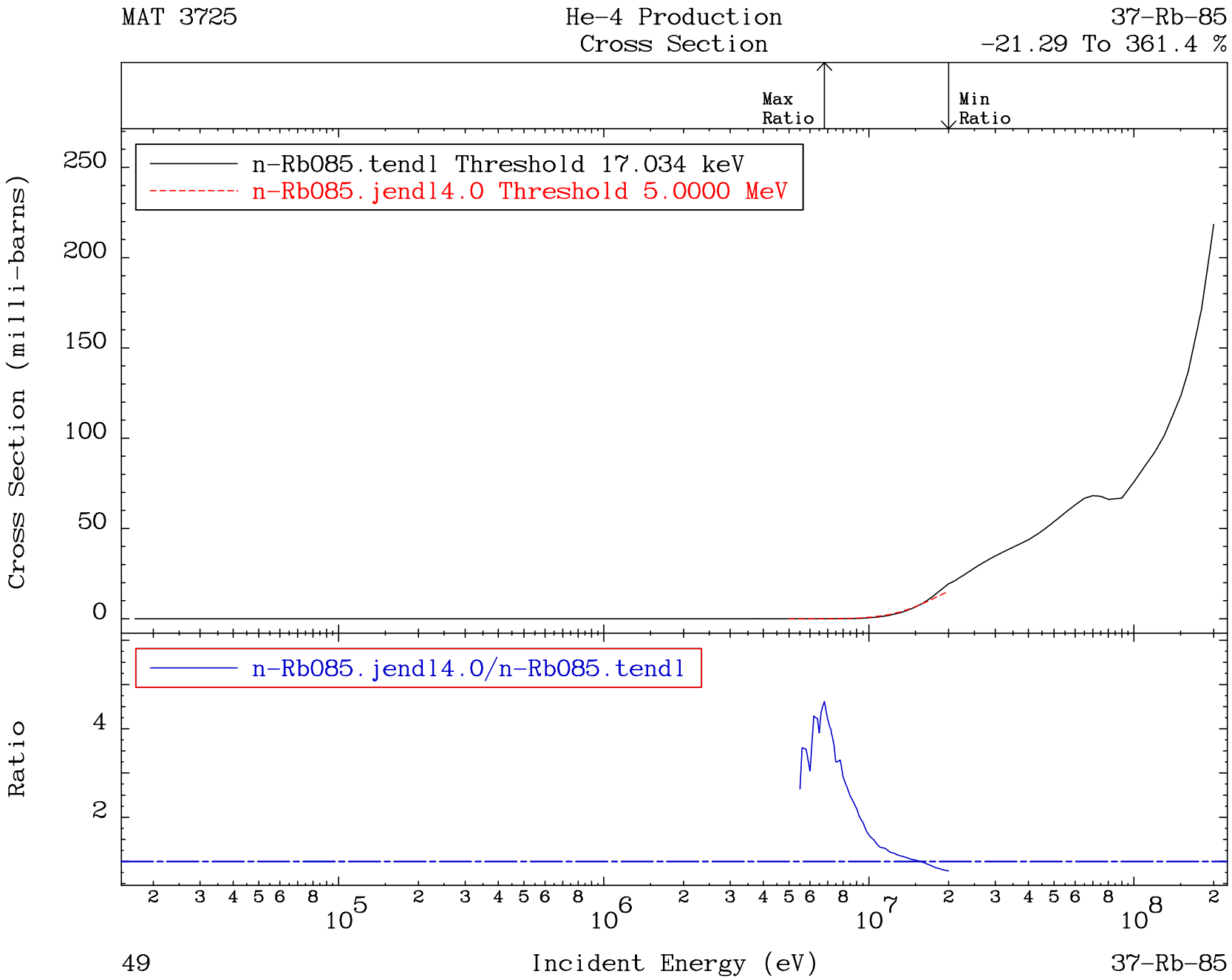

MAT 3725
(n,α)
Cross Section
37-Rb-85
-18.37 To 361.4 %
Max Ratio
Min Ratio
n-Rb085.tendl Threshold 17.034 keV
n-Rb085.jendl4.0 Threshold 5.0000 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
2
4
2 3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
44
Incident Energy (eV)
37-Rb-85

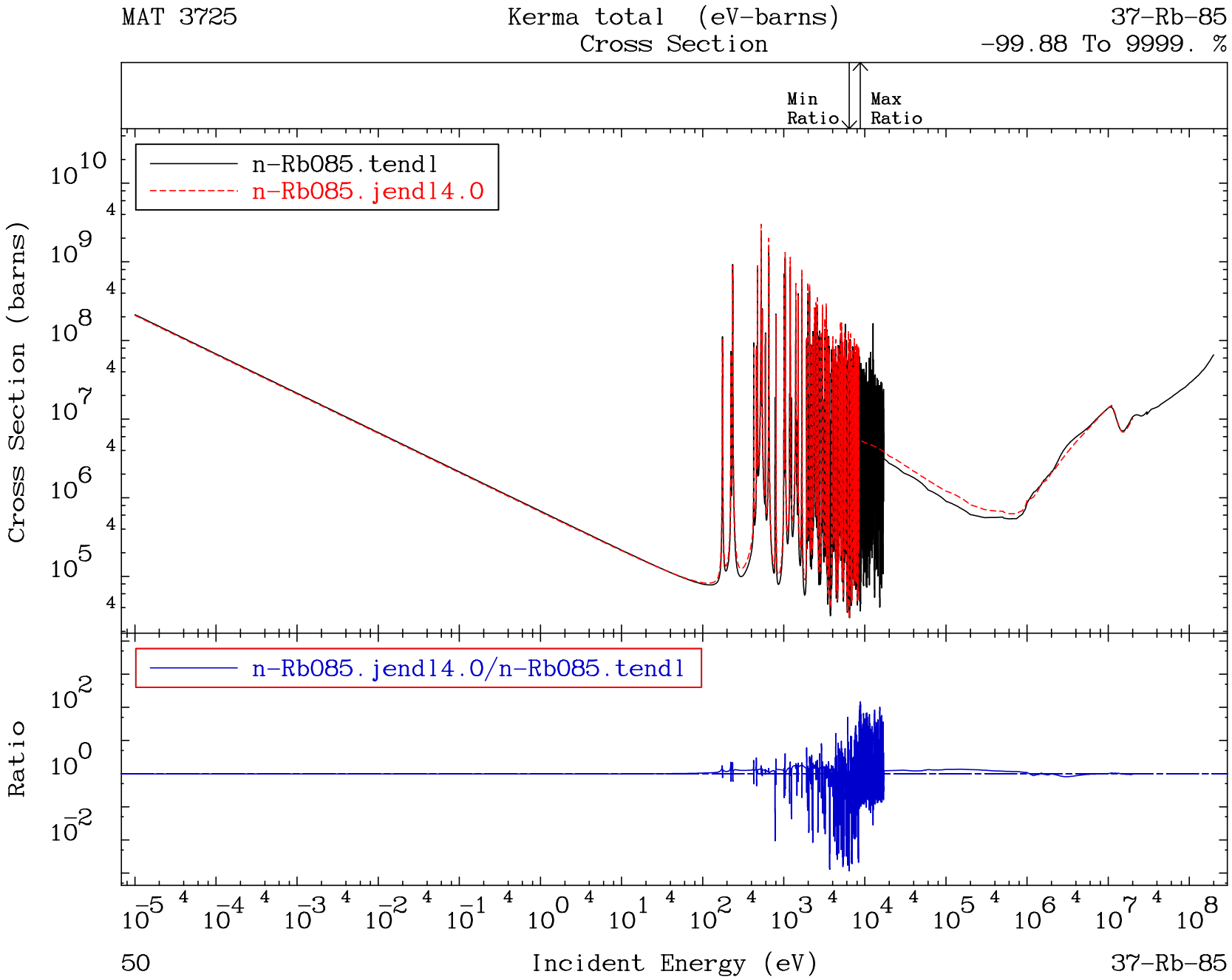

MAT 3725
Hydrogen Production
Cross Section
37-Rb-85
-100.0 To 183.1 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 17.034 keV
n-Rb085.jendl4.0 Threshold 1.5000 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^0
10^-5
10^-10
2 3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
45
Incident Energy (eV)
37-Rb-85

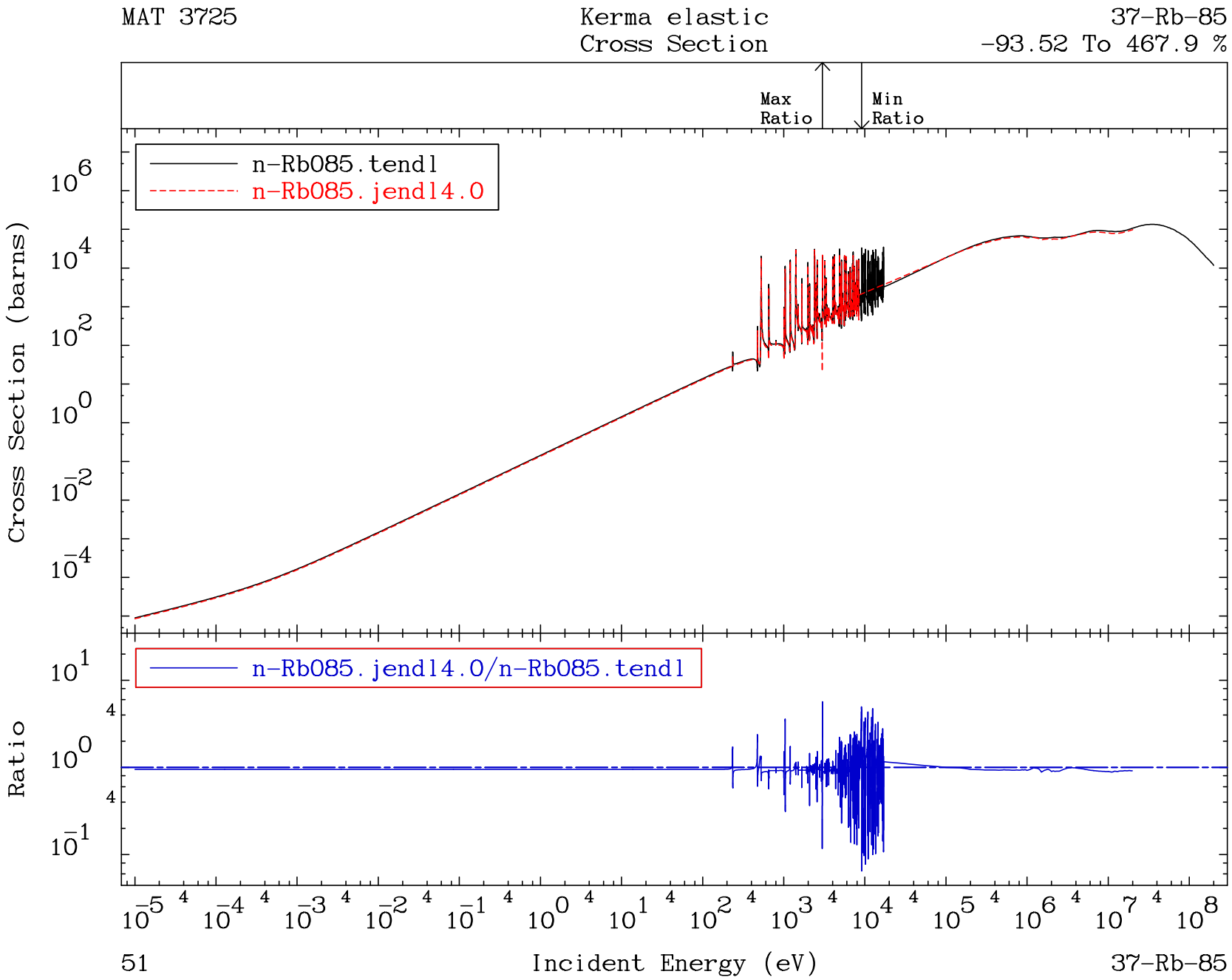

MAT 3725
Deuterium Production
Cross Section
37-Rb-85
-100.0 To 777.0 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 4.8489 MeV
n-Rb085.jendl4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^0
10^-5
10^-10
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
37-Rb-85

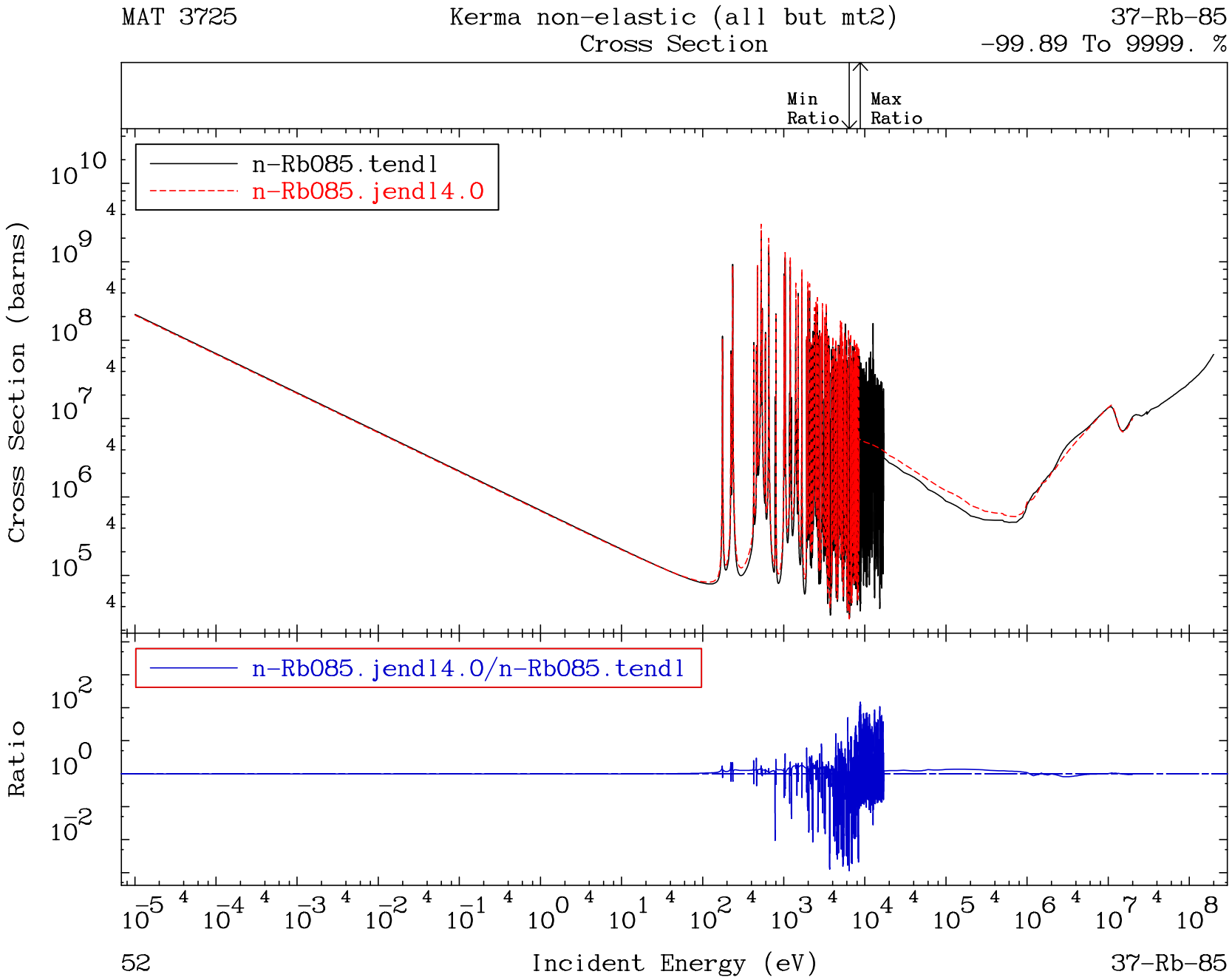

MAT 3725
Tritium Production
Cross Section
37-Rb-85
-42.70 To 479.8 %
Max Ratio
Min Ratio
n-Rb085.tendl Threshold 9.1958 MeV
n-Rb085.jendl4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^0
6
4
2
6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
37-Rb-85

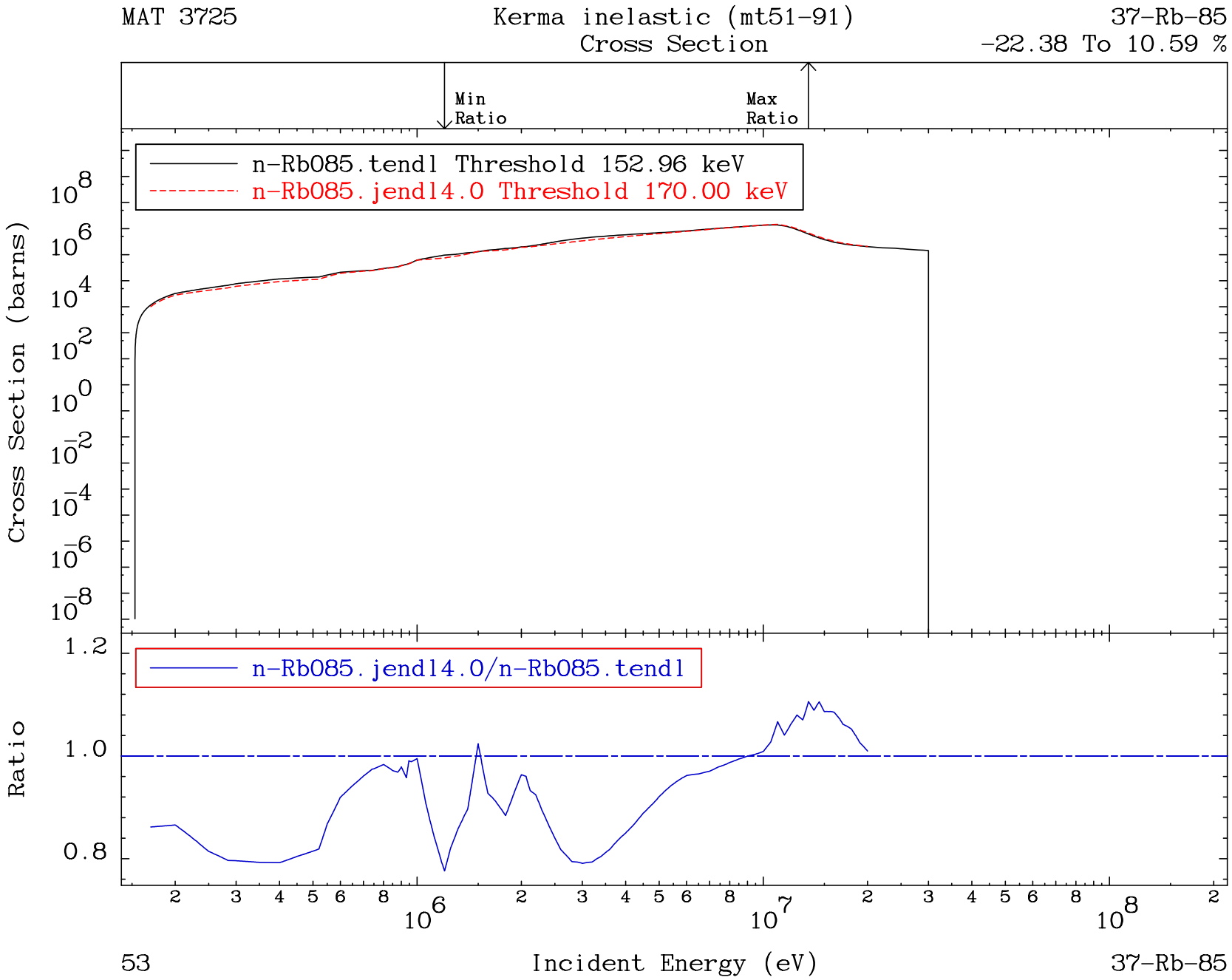

MAT 3725
He-3 Production
Cross Section
37-Rb-85
-76.16 To 303.2 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 10.166 MeV
n-Rb085.jendl4.0 Threshold 15.000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
6
4
10^0
6
4
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
37-Rb-85

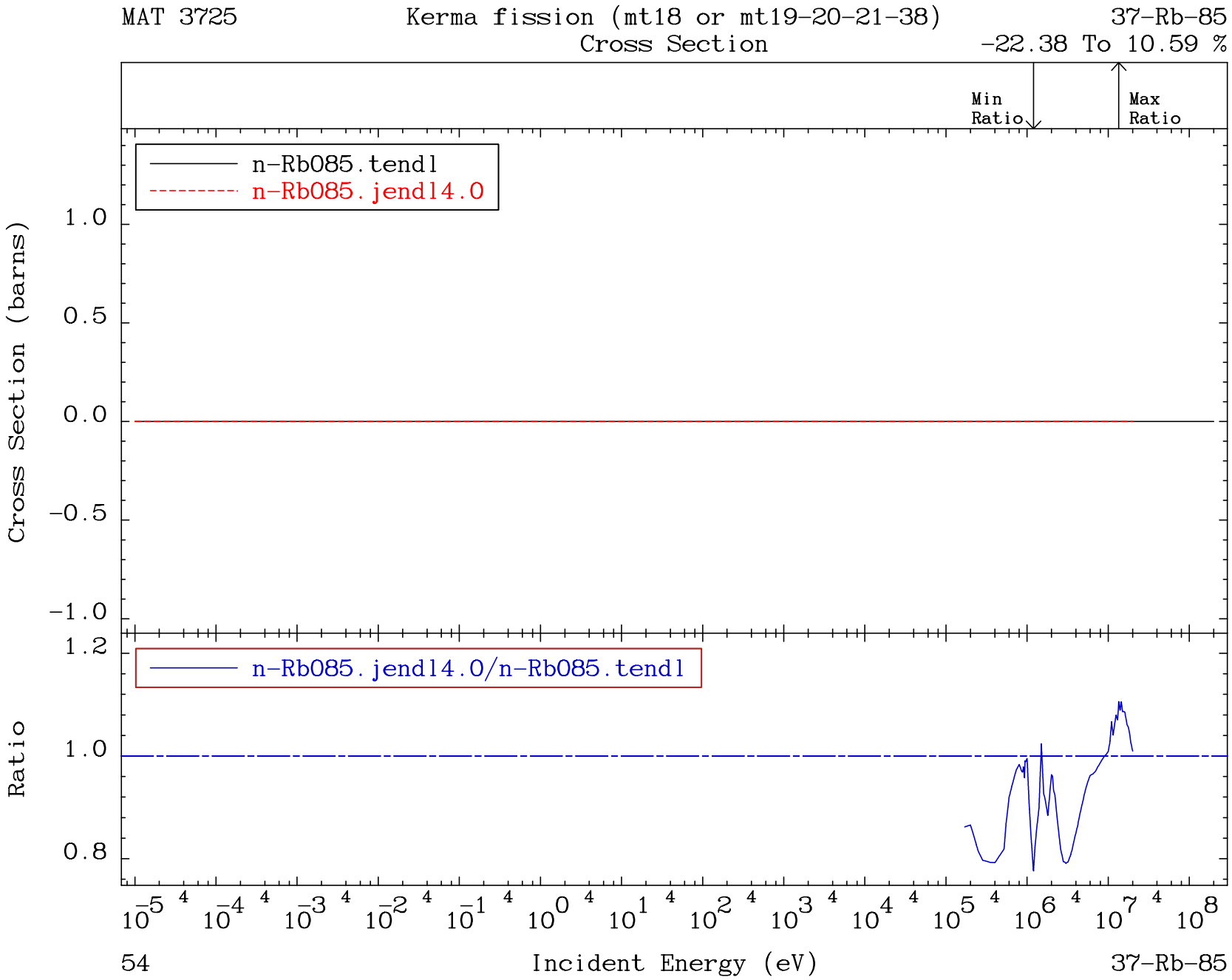

MAT 3725
He-4 Production
Cross Section
37-Rb-85
-21.29 To 361.4 %
Max Ratio
Min Ratio
n-Rb085.tendl Threshold 17.034 keV
n-Rb085.jendl4.0 Threshold 5.0000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
4
2
2 3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
49
Incident Energy (eV)
37-Rb-85

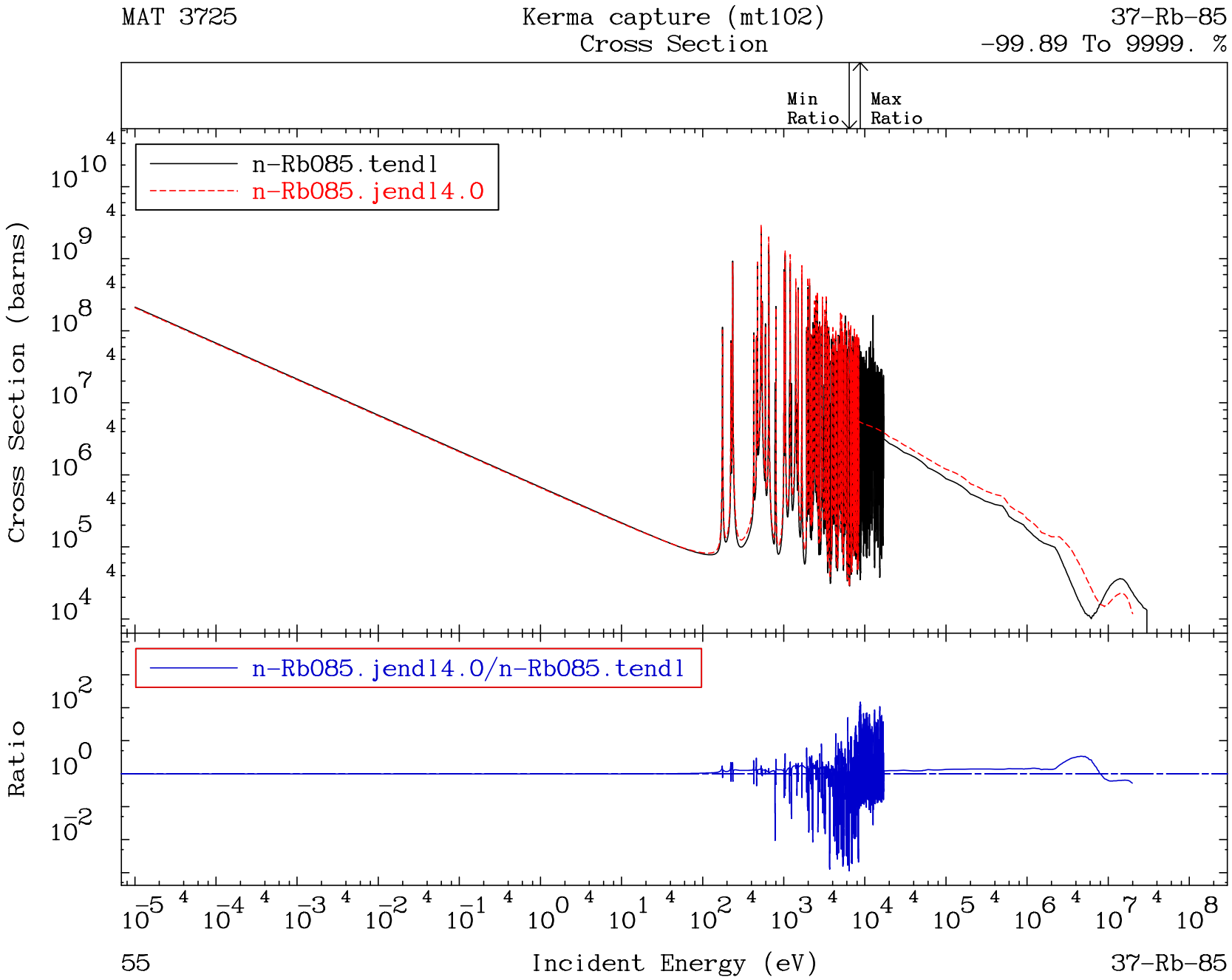

MAT 3725
Kerma total (eV-barns)
Cross Section
37-Rb-85
-99.88 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
50
37-Rb-85

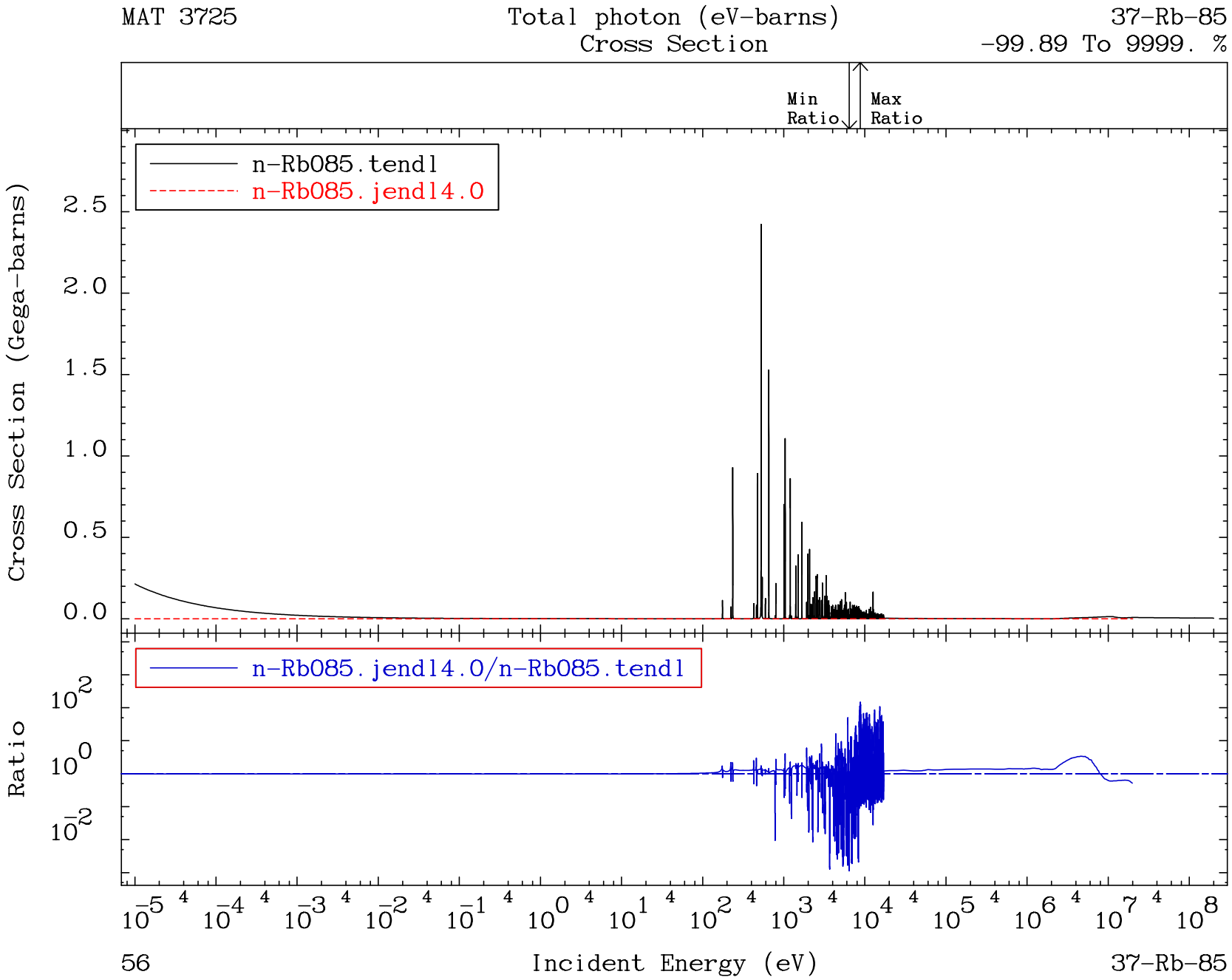

MAT 3725
Kerma elastic
Cross Section
37-Rb-85
-93.52 To 467.9 %
Max
Ratio
Min
Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
51
37-Rb-85

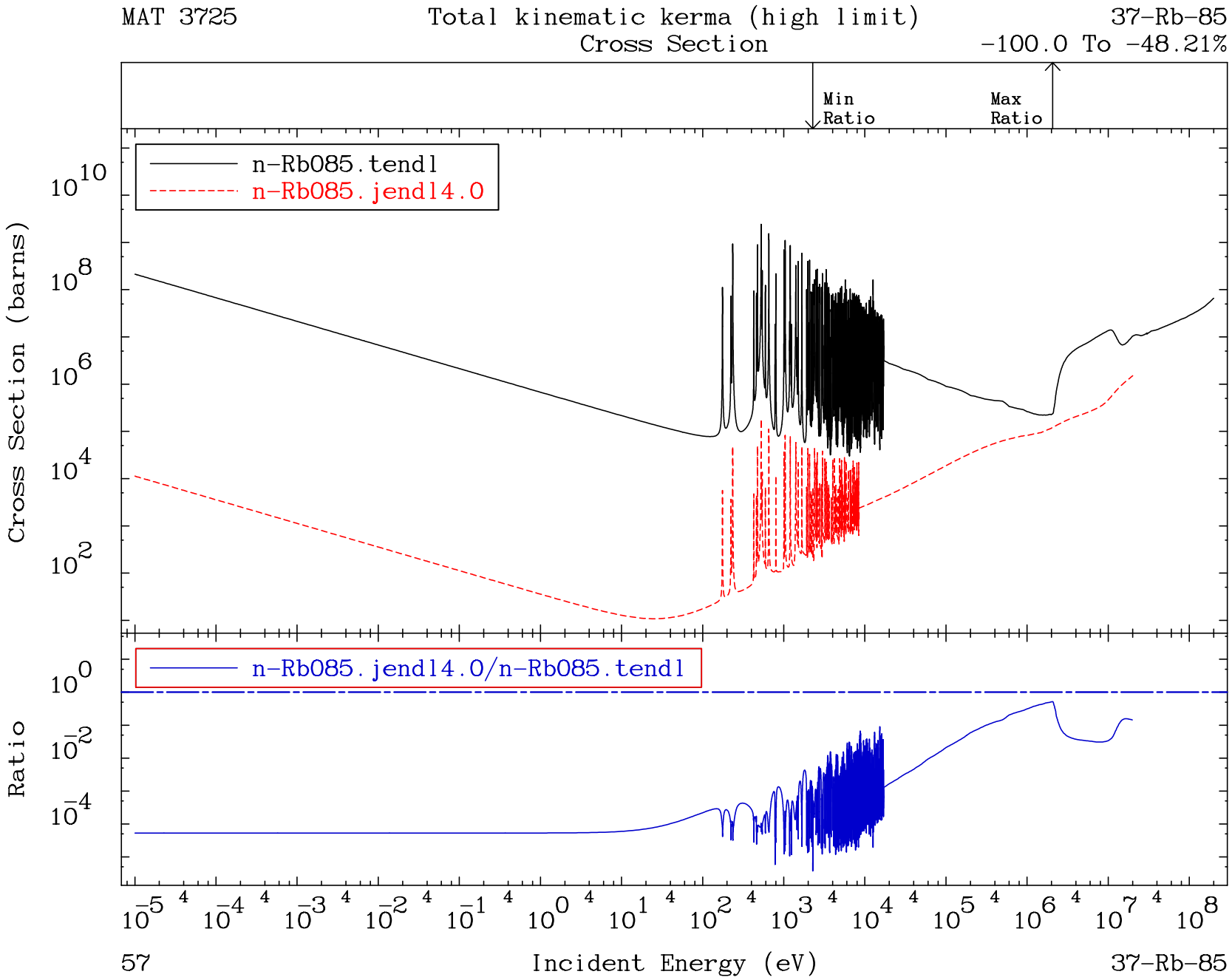

MAT 3725
Kerma non-elastic (all but mt2)
Cross Section
37-Rb-85
-99.89 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
52
37-Rb-85

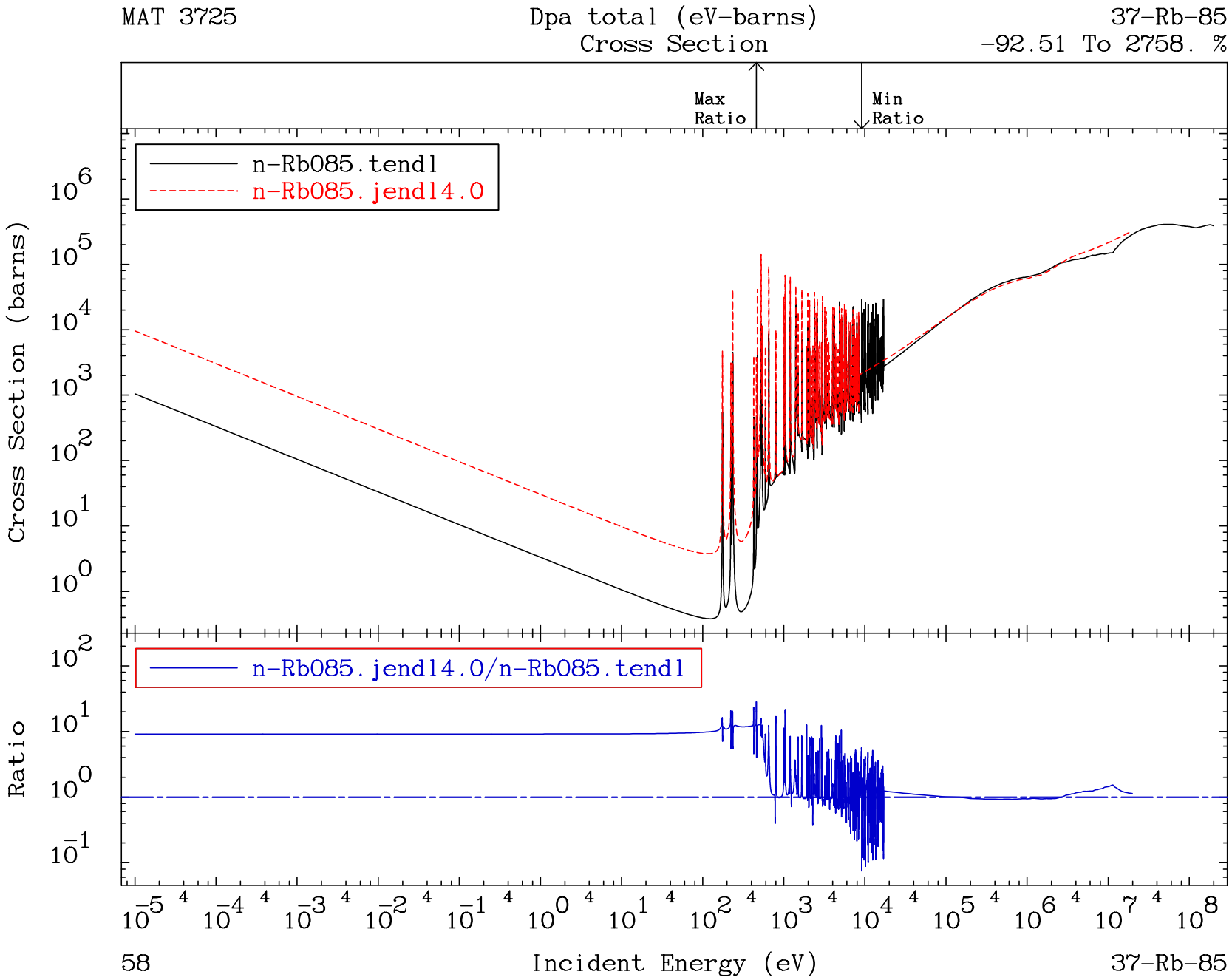

MAT 3725
Kerma inelastic (mt51-91)
Cross Section
37-Rb-85
-22.38 To 10.59 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 152.96 keV
n-Rb085.jendl4.0 Threshold 170.00 keV
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
53
37-Rb-85

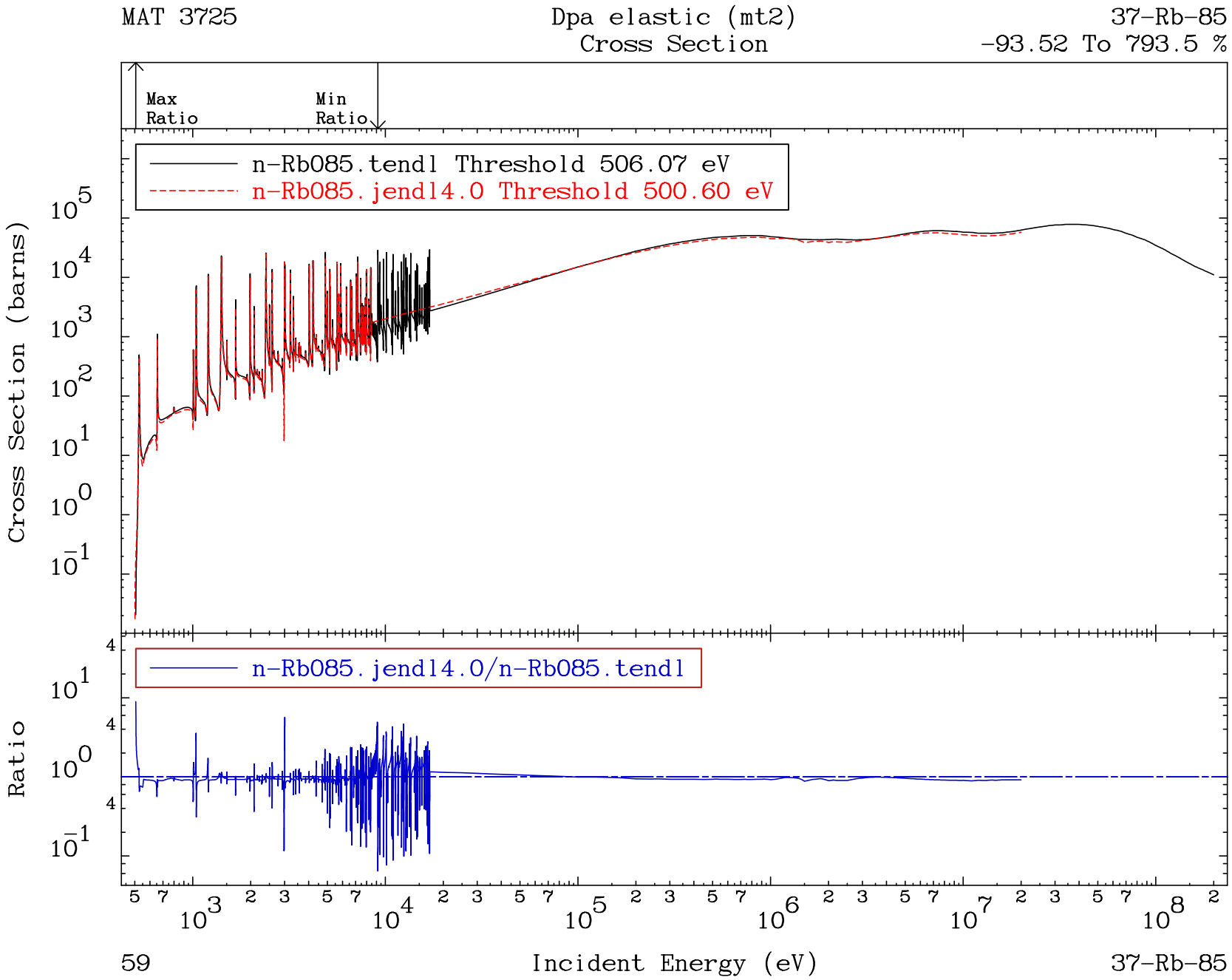

MAT 3725
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
37-Rb-85
-22.38 To 10.59 %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
54
Incident Energy (eV)
37-Rb-85

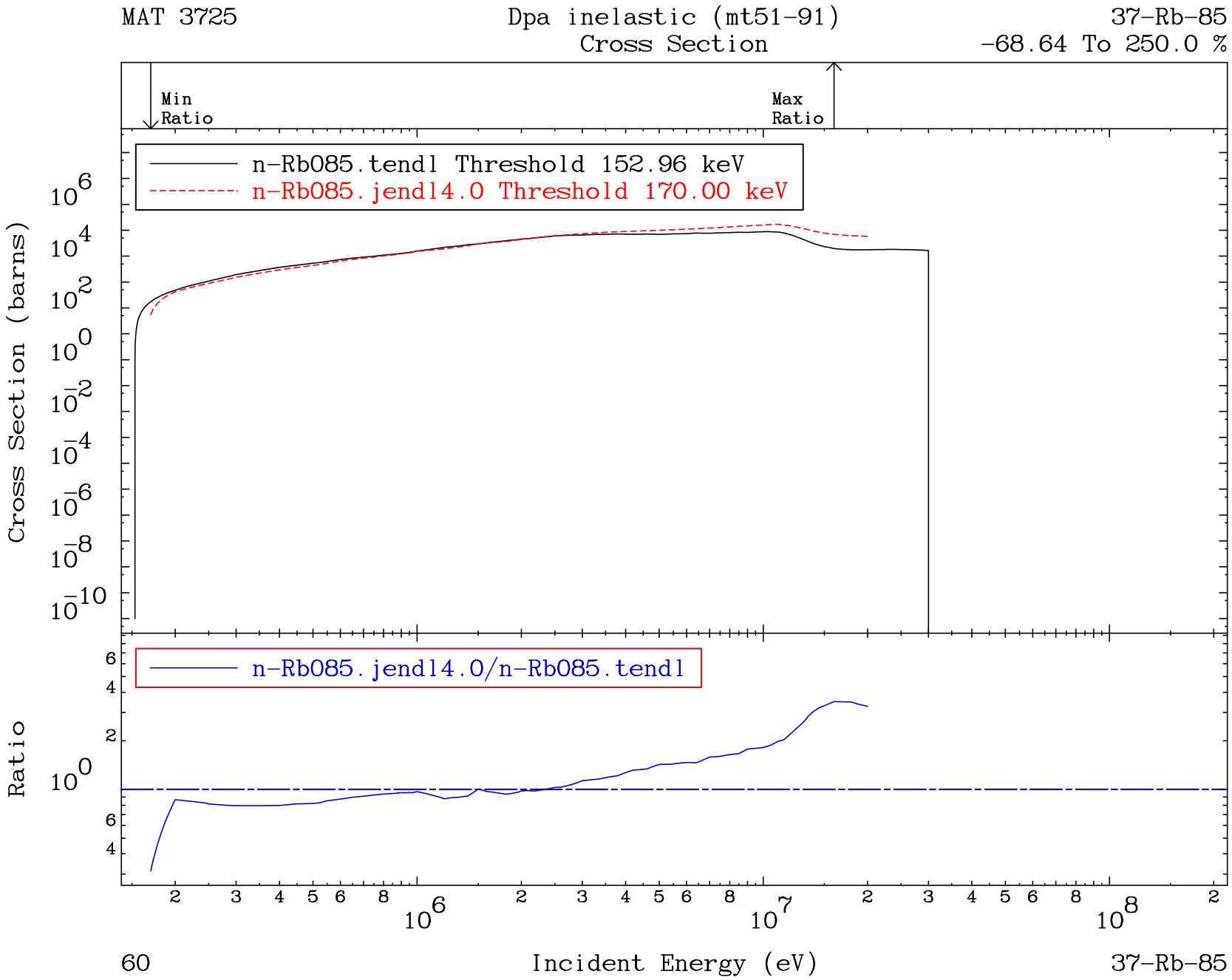

MAT 3725
Kerma capture (mt102)
Cross Section
37-Rb-85
-99.89 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
55
37-Rb-85

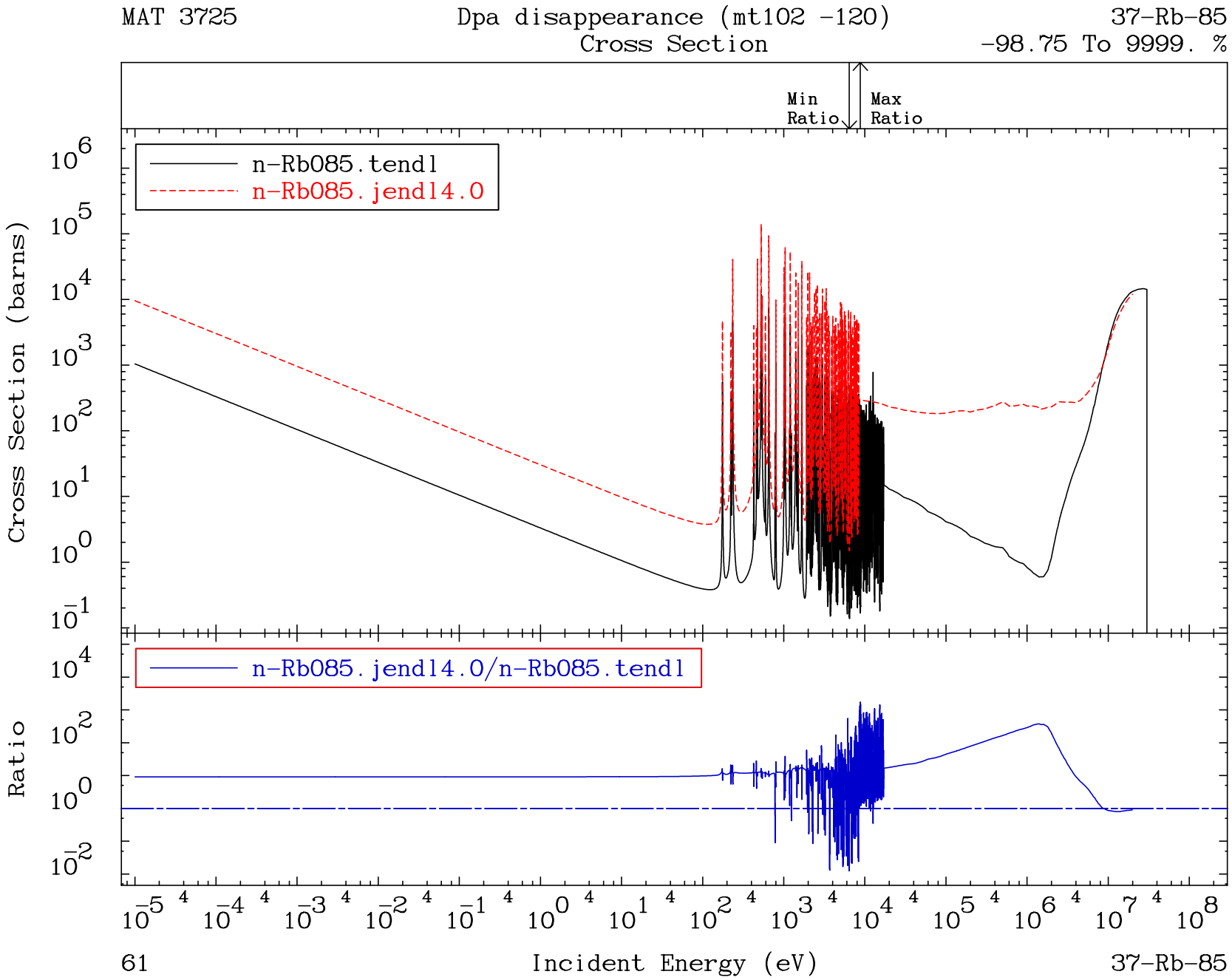

MAT 3725
Total photon (eV-barns)
Cross Section
37-Rb-85
-99.89 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (Giga-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
37-Rb-85


MAT 3725
Total kinematic kerma (high limit)
Cross Section
37-Rb-85
-100.0 To -48.21%
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
57
37-Rb-85


MAT 3725
Dpa total (eV-barns)
Cross Section
37-Rb-85
-92.51 To 2758. %
Max Ratio
Min Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
58
Incident Energy (eV)
37-Rb-85


MAT 3725
Dpa elastic (mt2)
Cross Section
37-Rb-85
-93.52 To 793.5 %
Max Ratio
Min Ratio
n-Rb085.tendl Threshold 506.07 eV
n-Rb085.jendl4.0 Threshold 500.60 eV
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
59
37-Rb-85


MAT 3725
Dpa inelastic (mt51-91)
Cross Section
37-Rb-85
-68.64 To 250.0 %
Min Ratio
Max Ratio
n-Rb085.tendl Threshold 152.96 keV
n-Rb085.jendl4.0 Threshold 170.00 keV
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
Incident Energy (eV)
60
37-Rb-85


MAT 3725
Dpa disappearance (mt102 -120)
Cross Section
37-Rb-85
-98.75 To 9999. %
Min Ratio
Max Ratio
n-Rb085.tendl
n-Rb085.jendl4.0
Cross Section (barns)
n-Rb085.jendl4.0/n-Rb085.tendl
Ratio
61
Incident Energy (eV)
37-Rb-85