Program Complot
(Version 2018-1)
by
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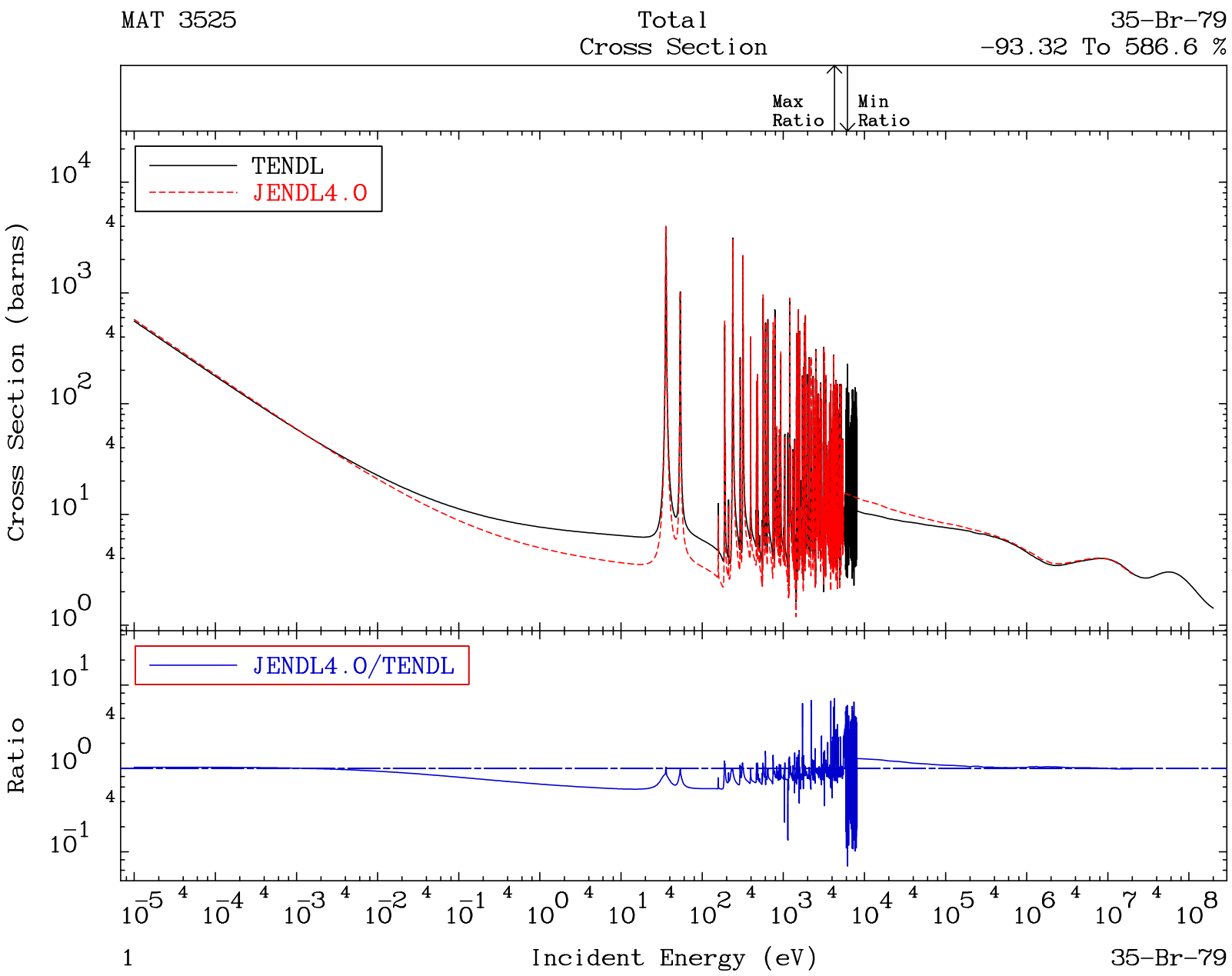
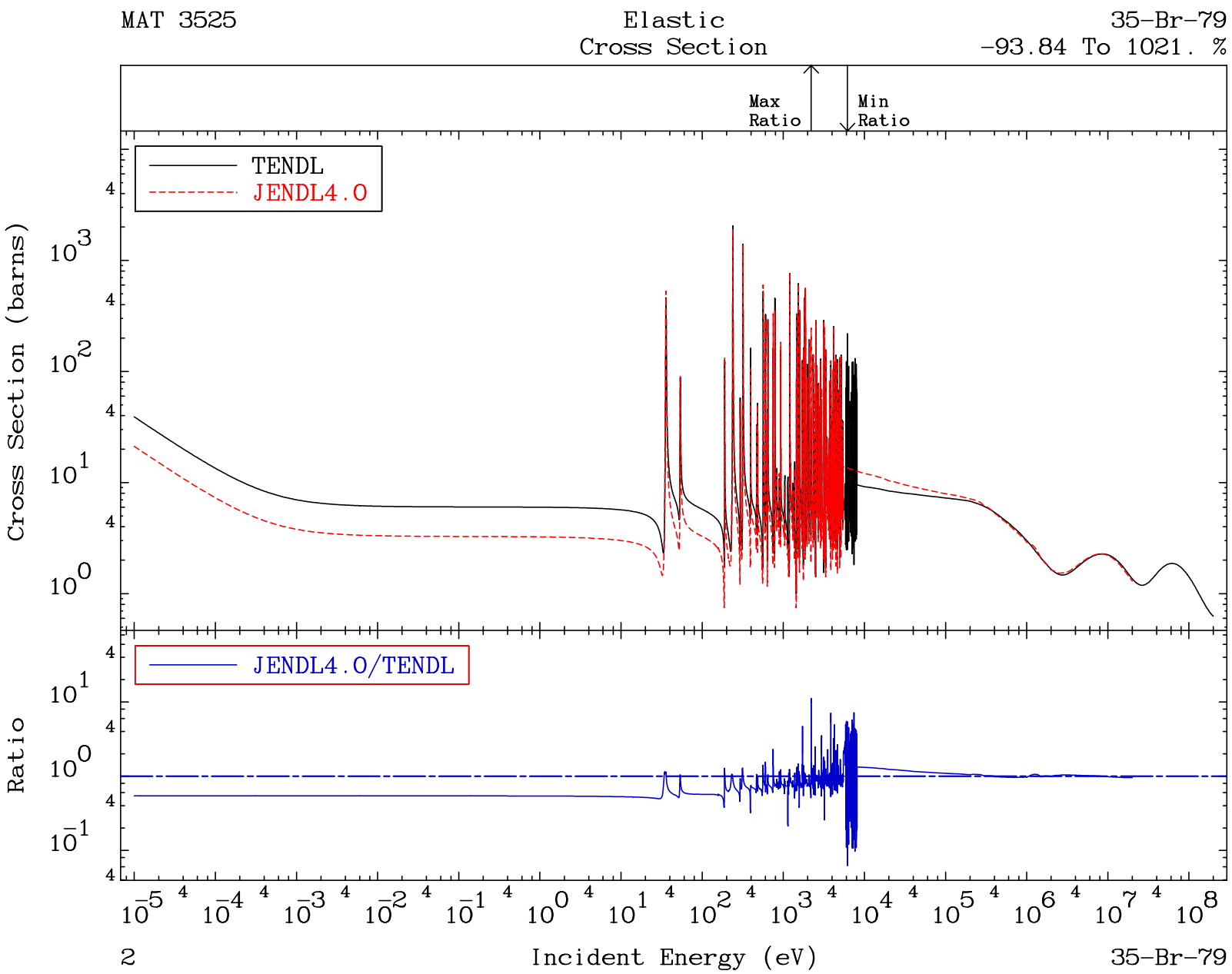
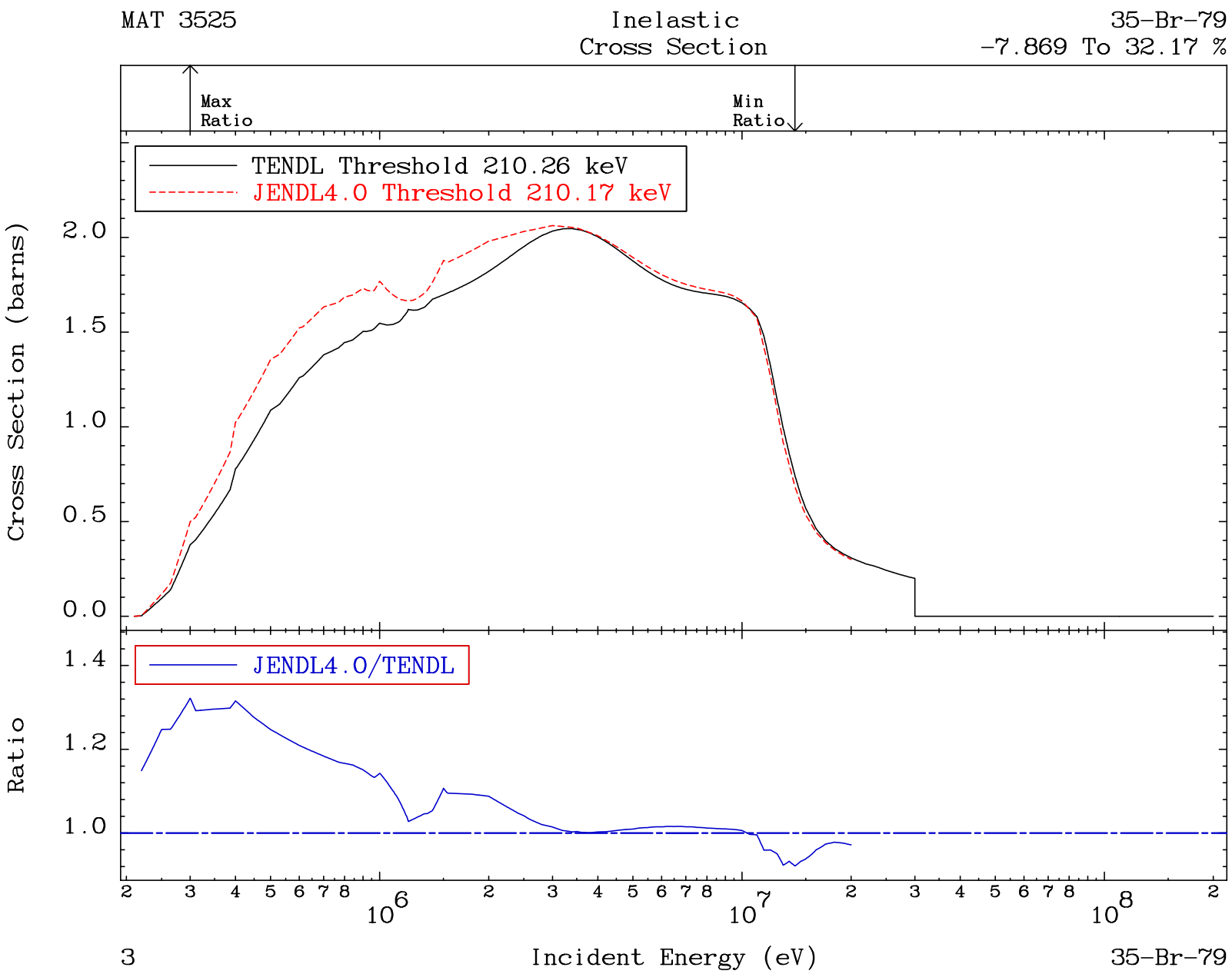
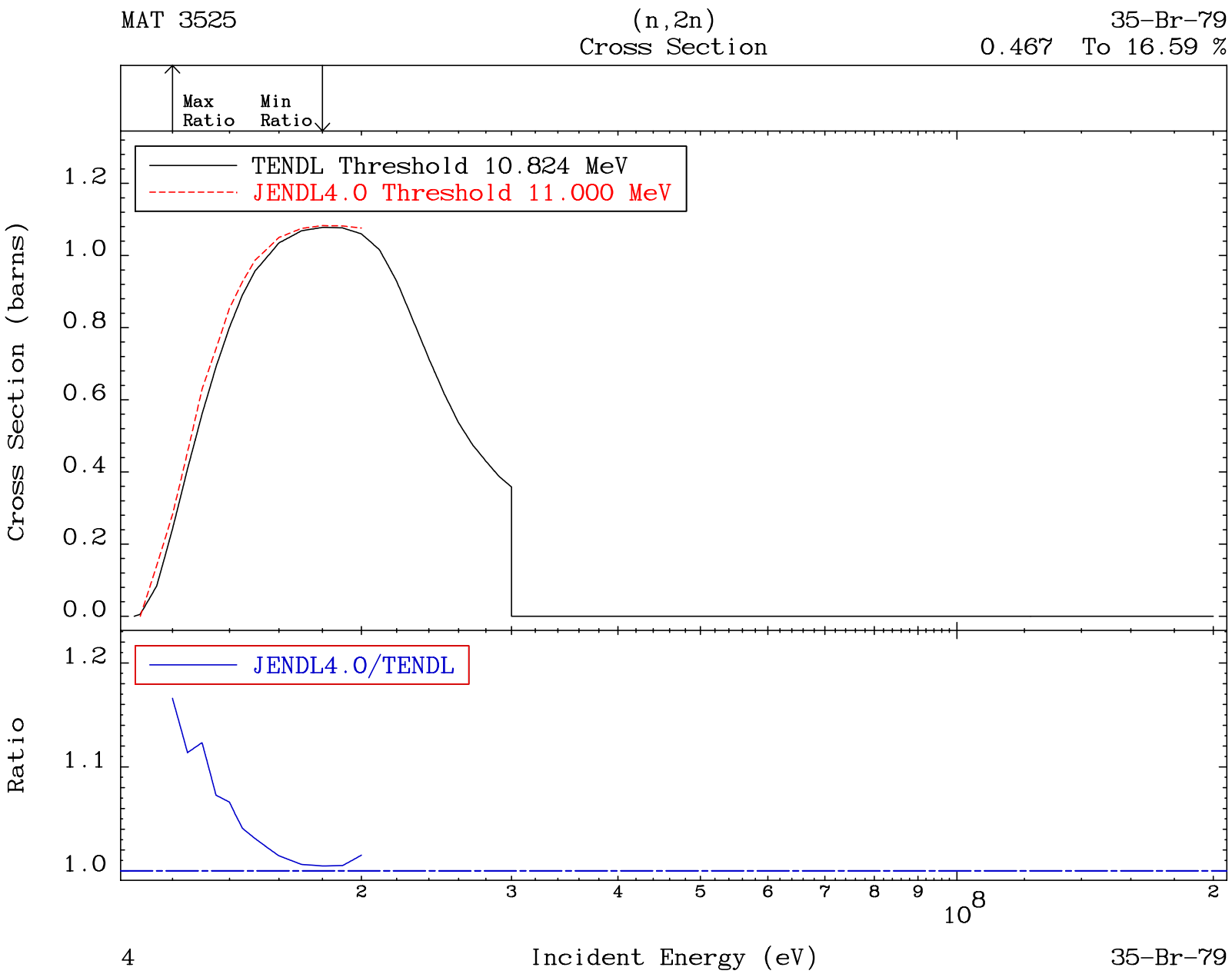
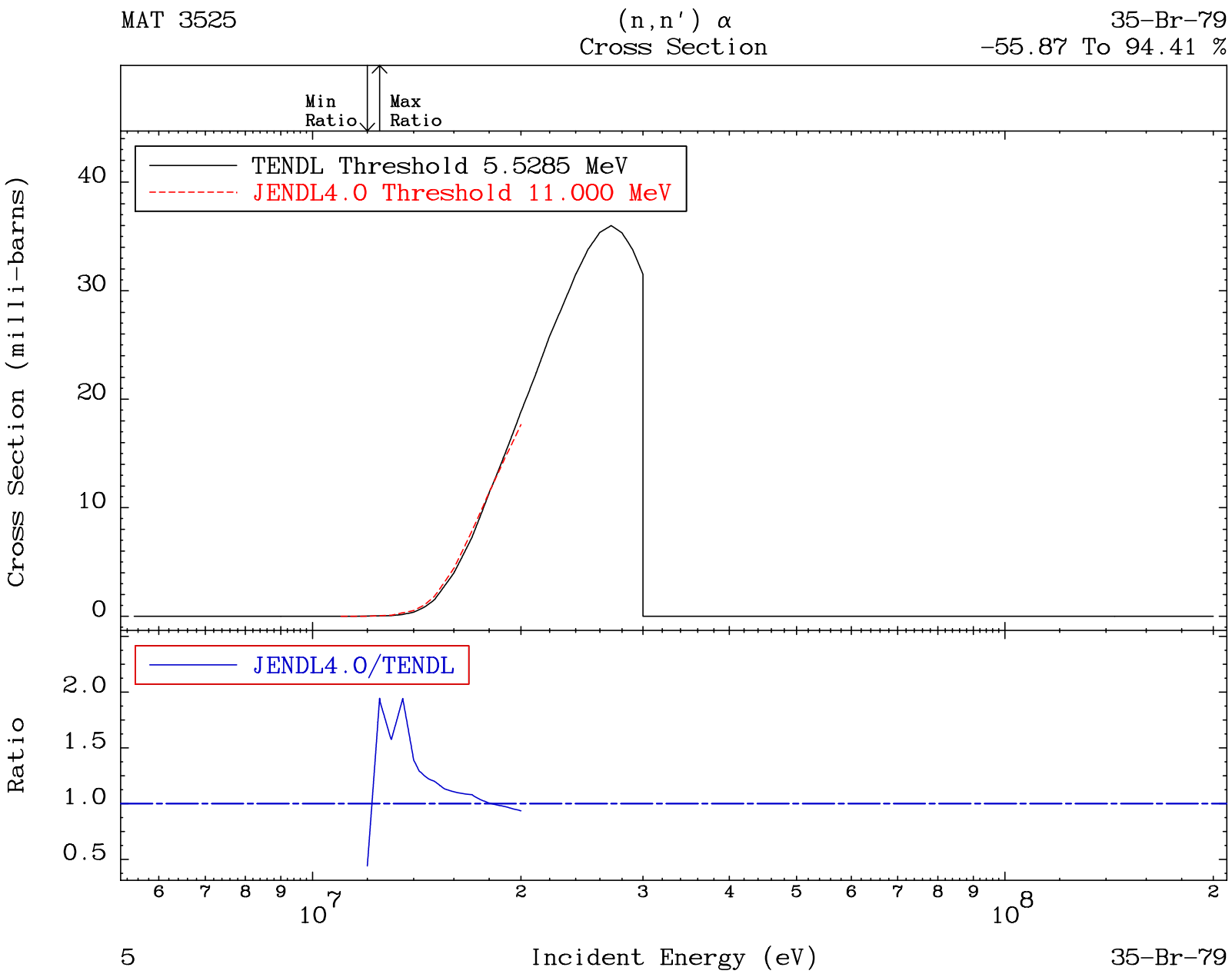
Press Mouse Button to Start

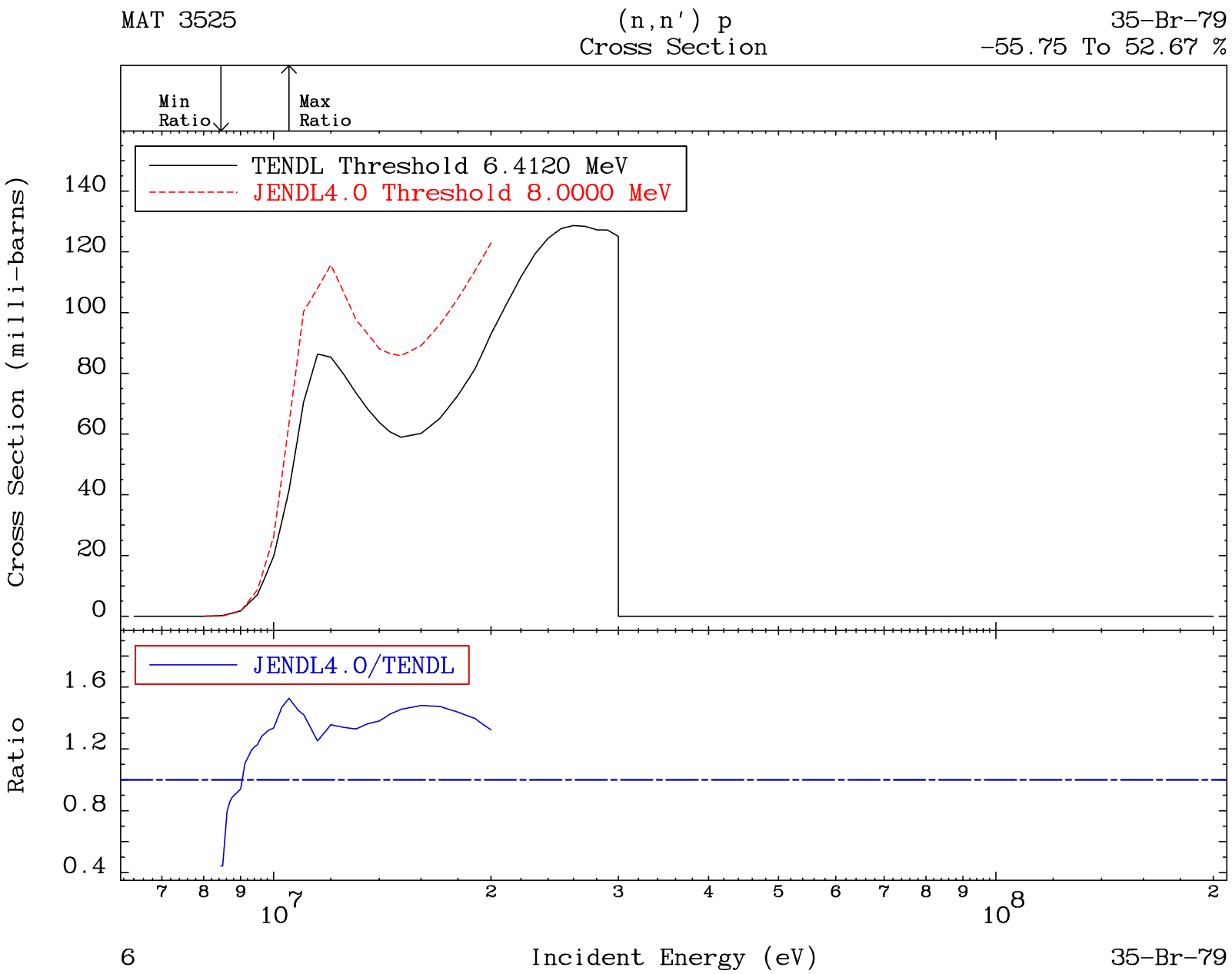

MAT 3525
Total
Cross Section
35-Br-79
-93.32 To 586.6 %
Max
Ratio
Min
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
35-Br-79

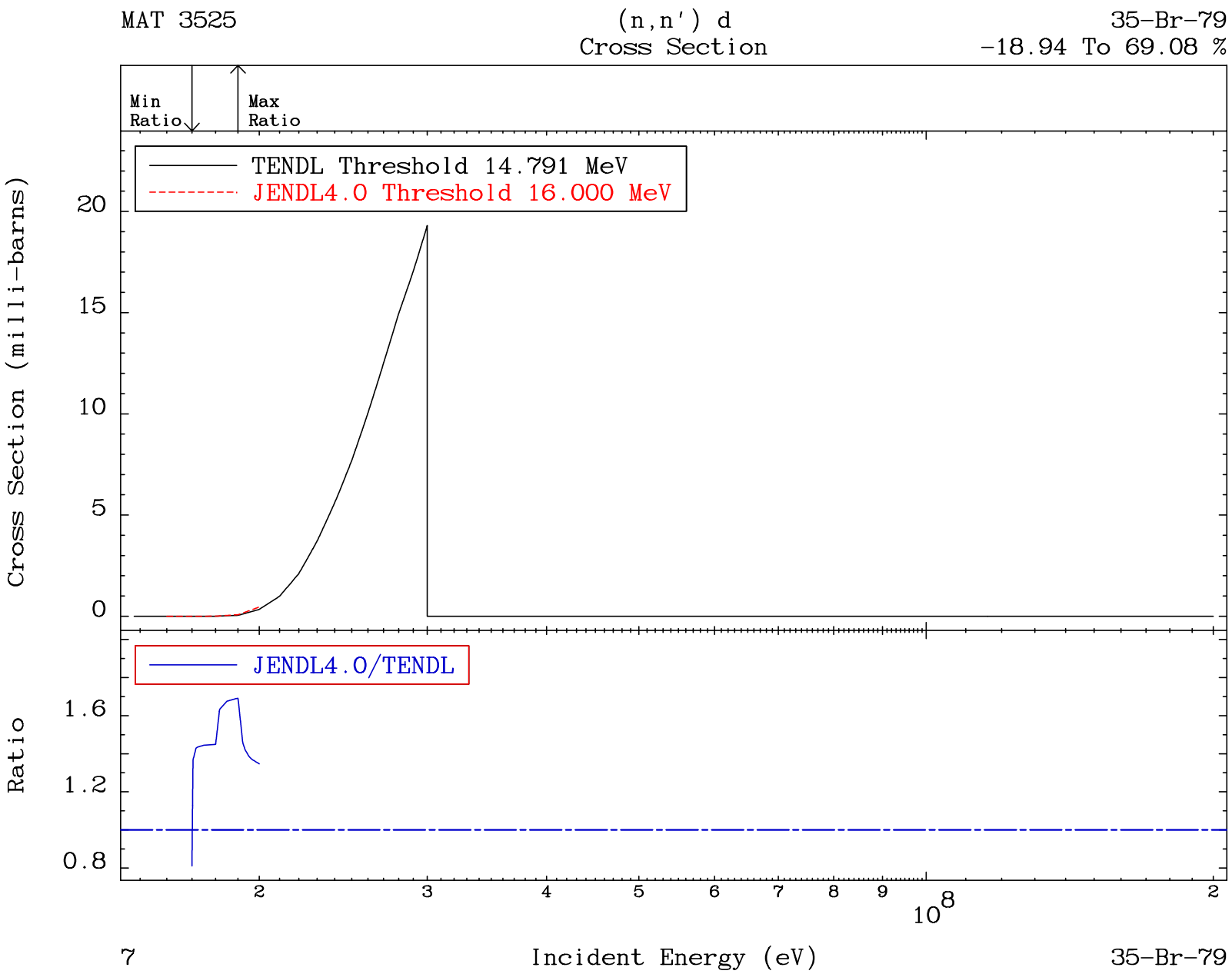

MAT 3525
Elastic
Cross Section
35-Br-79
-93.84 To 1021. %
Max
Ratio
Min
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
35-Br-79

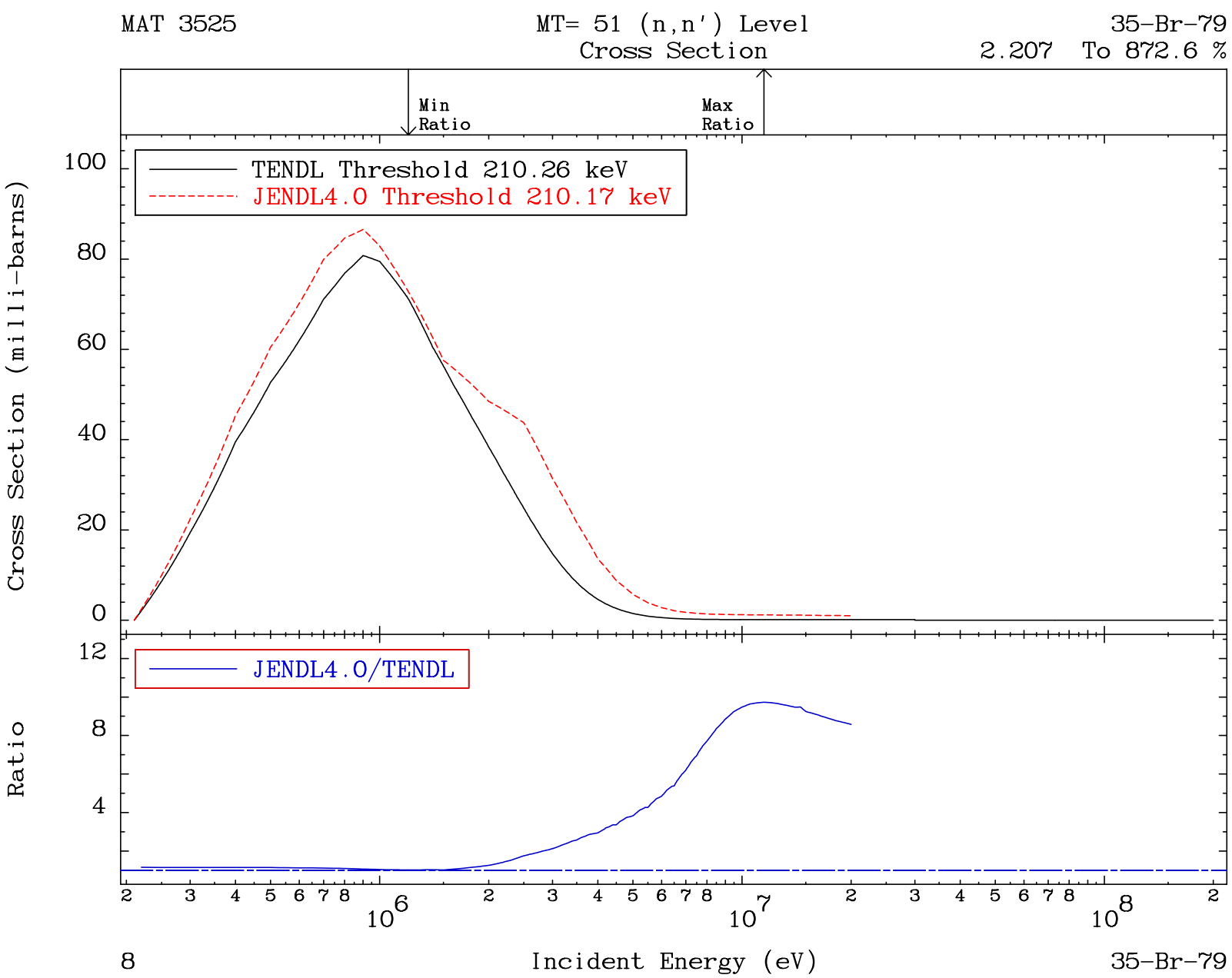

MAT 3525
Inelastic
Cross Section
35-Br-79
-7.869 To 32.17 %
Max
Ratio
Min
Ratio
TENDL Threshold 210.26 keV
JENDL4.0 Threshold 210.17 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.4
1.2
1.0
2 3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
35-Br-79

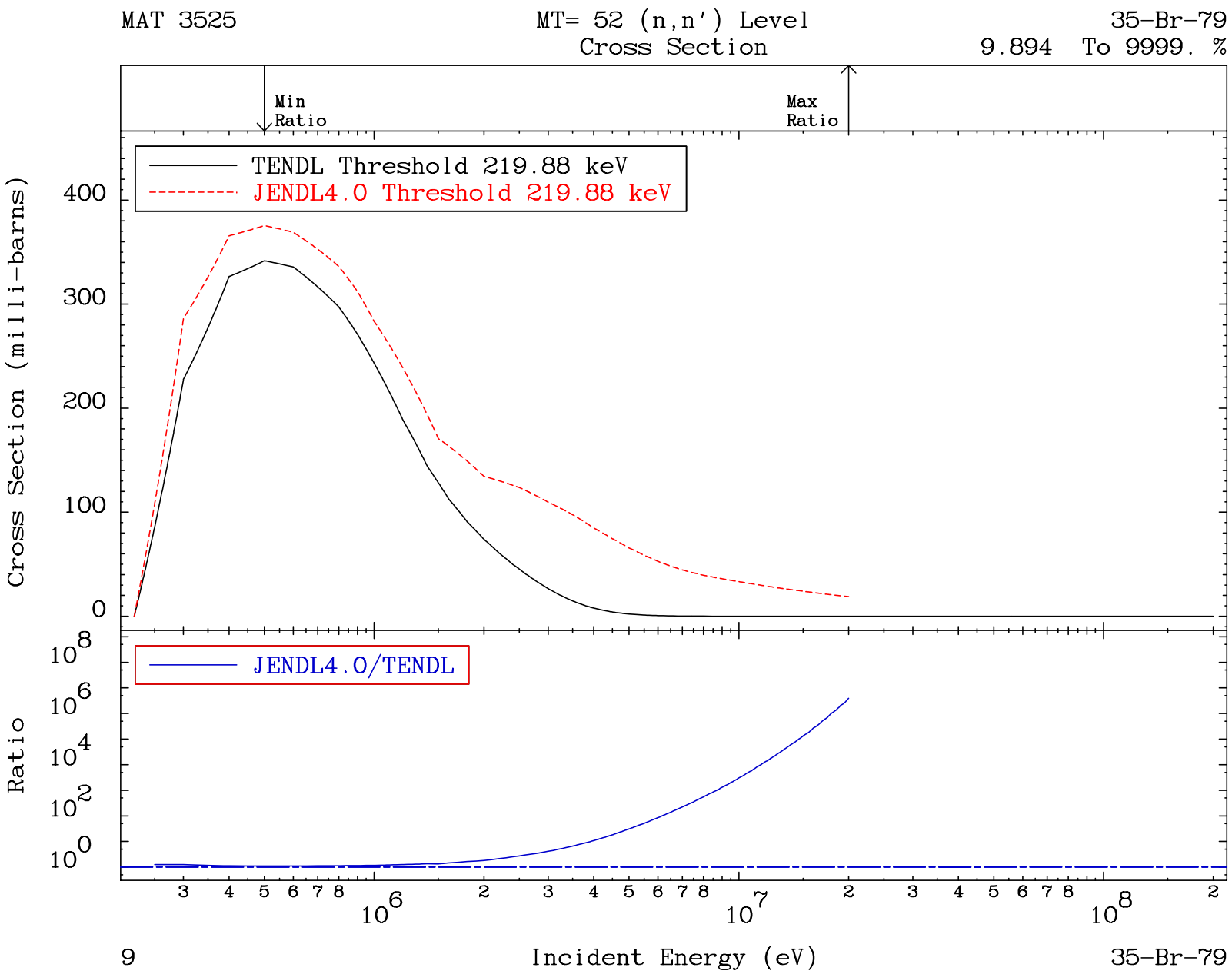

MAT 3525
(n,2n)
Cross Section
35-Br-79
0.467 To 16.59 %
Max Ratio
Min Ratio
TENDL Threshold 10.824 MeV
JENDL4.0 Threshold 11.000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
35-Br-79

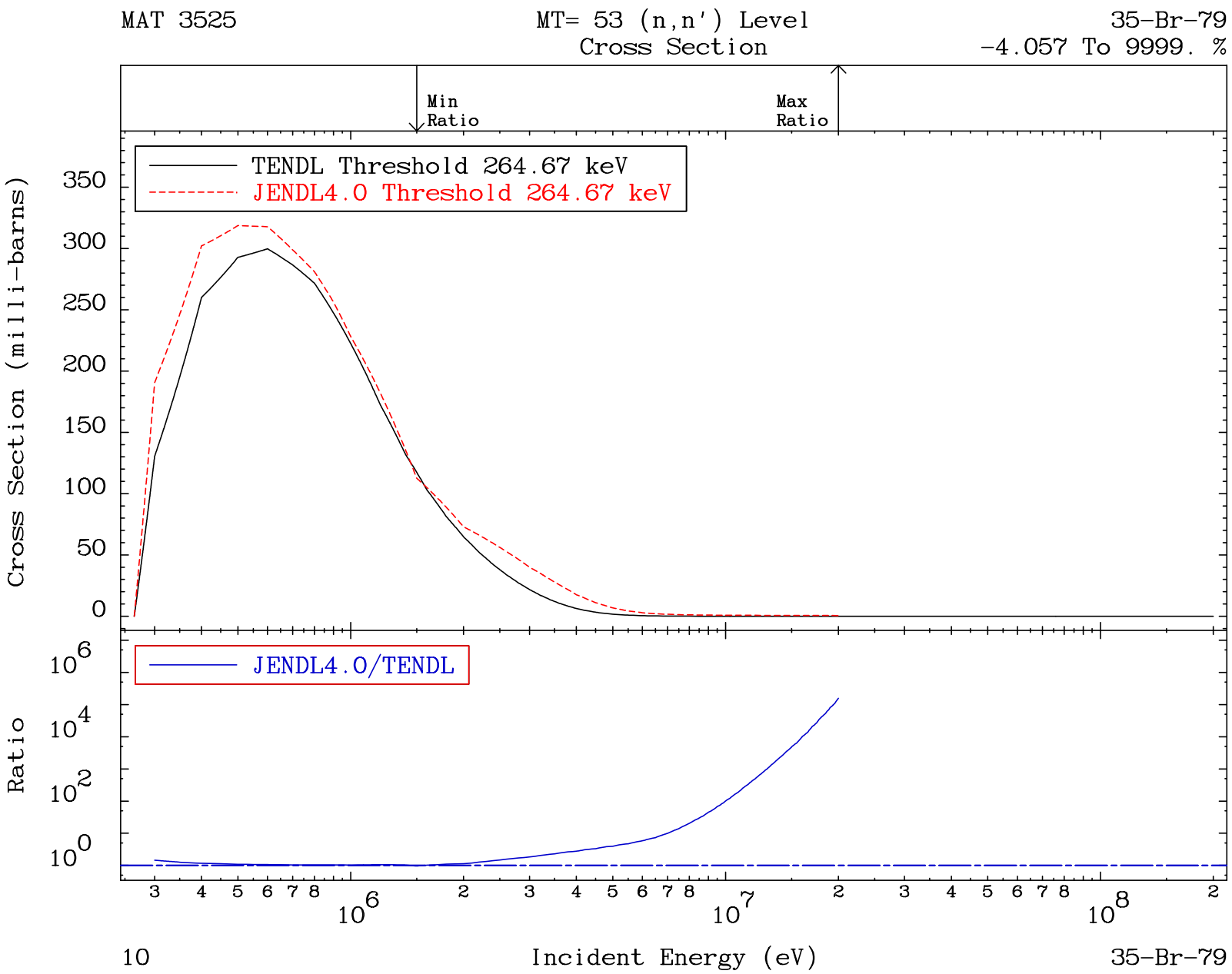

MAT 3525
(n,n') α
Cross Section
35-Br-79
-55.87 To 94.41 %
Min Ratio
Max Ratio
TENDL Threshold 5.5285 MeV
JENDL4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
2.0
1.5
1.0
0.5
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
35-Br-79

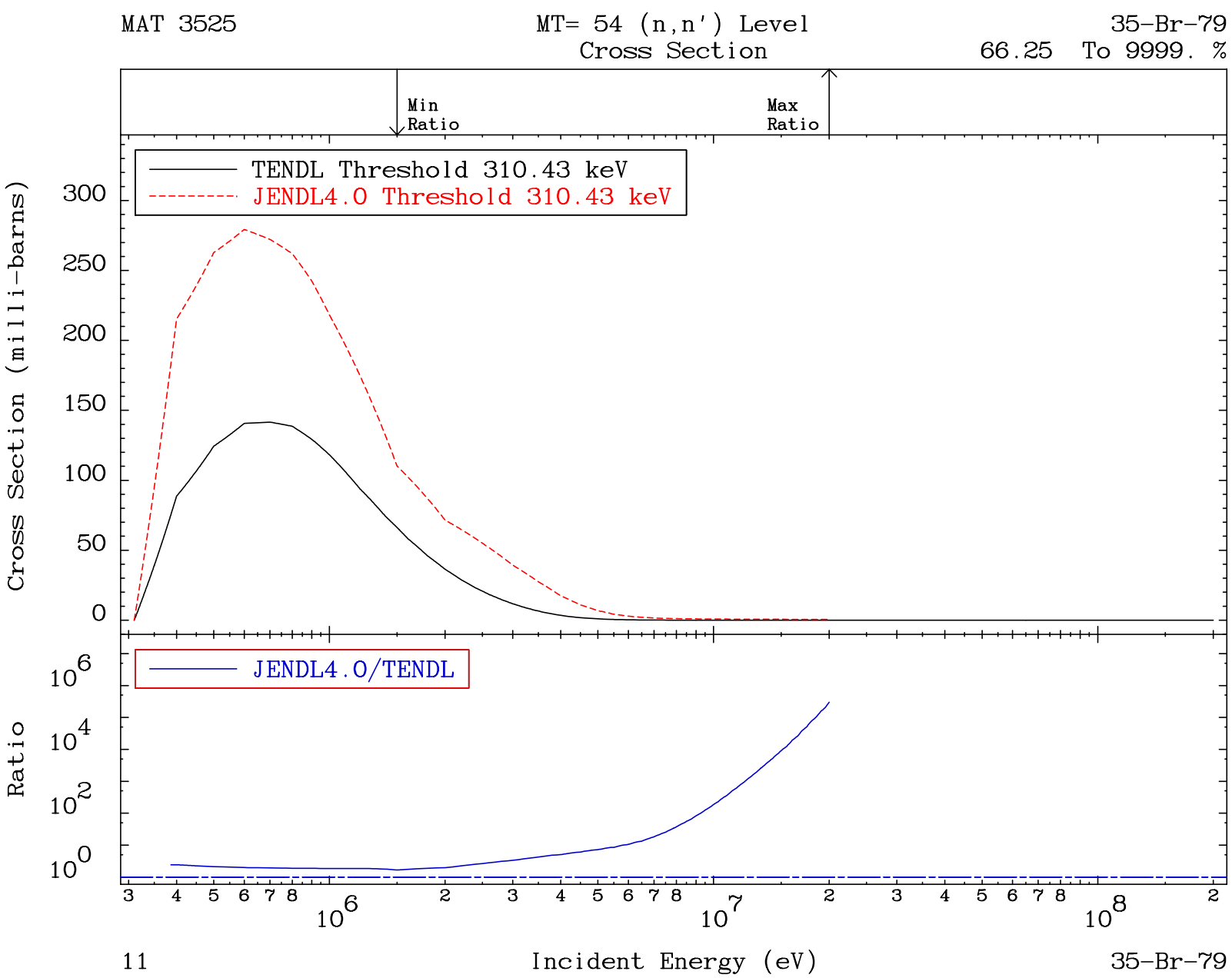

MAT 3525
(n,n') p
Cross Section
35-Br-79
-55.75 To 52.67 %
Min Ratio
Max Ratio
TENDL Threshold 6.4120 MeV
JENDL4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
0.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
35-Br-79

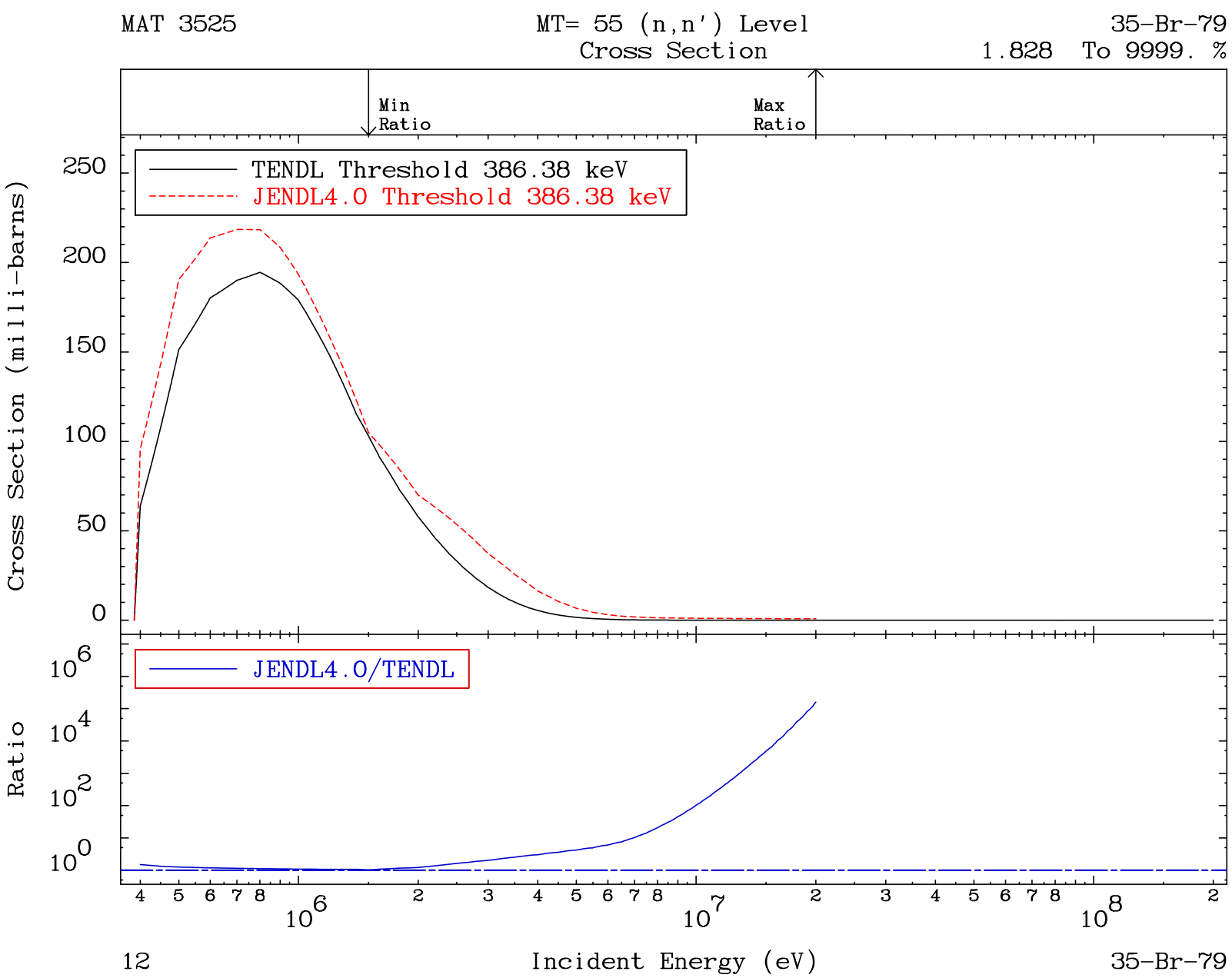

MAT 3525
(n,n') d
Cross Section
35-Br-79
-18.94 To 69.08 %
Min Ratio
Max Ratio
TENDL Threshold 14.791 MeV
JENDL4.0 Threshold 16.000 MeV
Cross Section (milli-barns)
20
15
10
5
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
35-Br-79

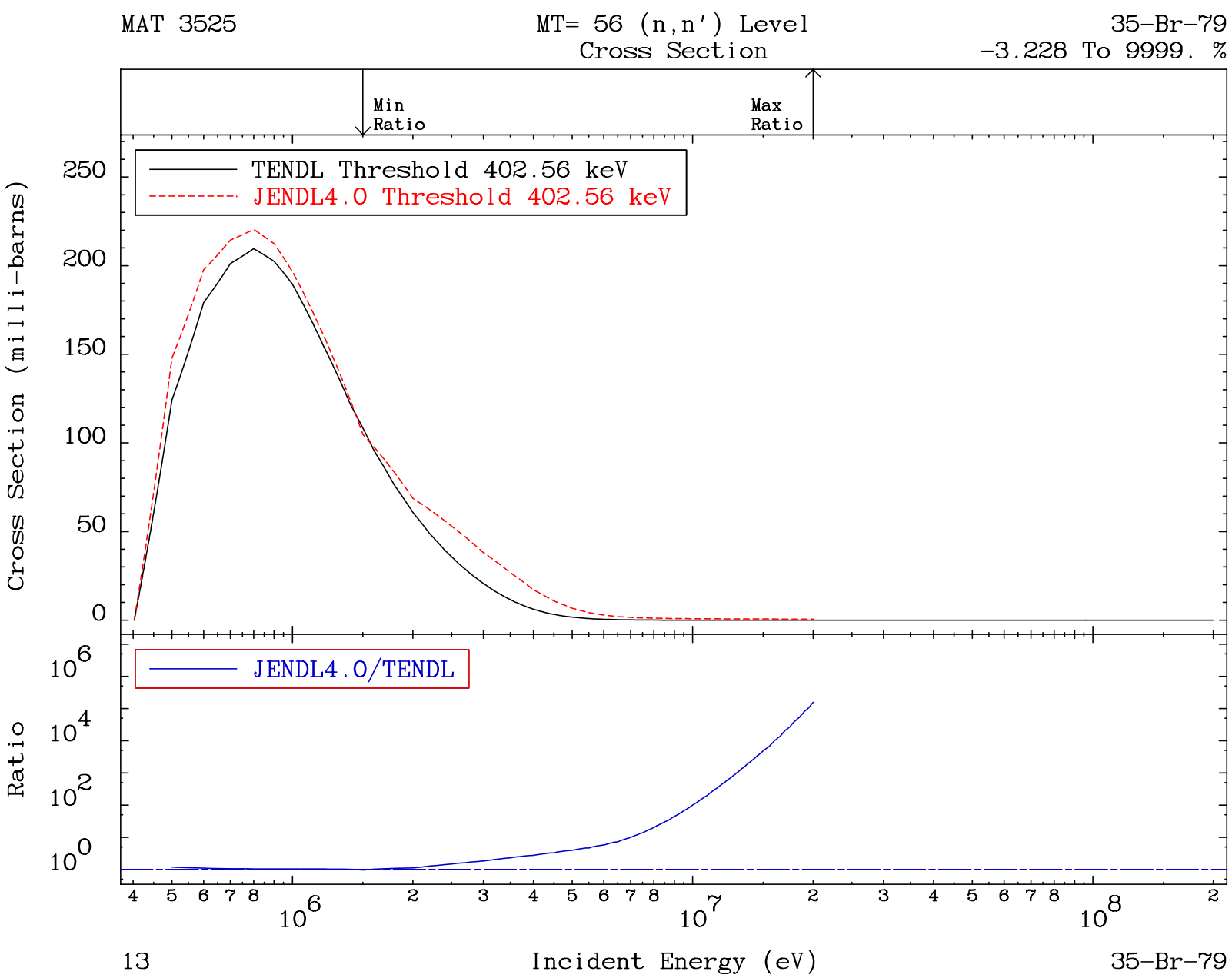

MAT 3525
MT= 51 (n,n') Level
Cross Section
35-Br-79
2.207 To 872.6 %
Min
Ratio
Max
Ratio
TENDL Threshold 210.26 keV
JENDL4.0 Threshold 210.17 keV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
12
8
4
2 3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
35-Br-79

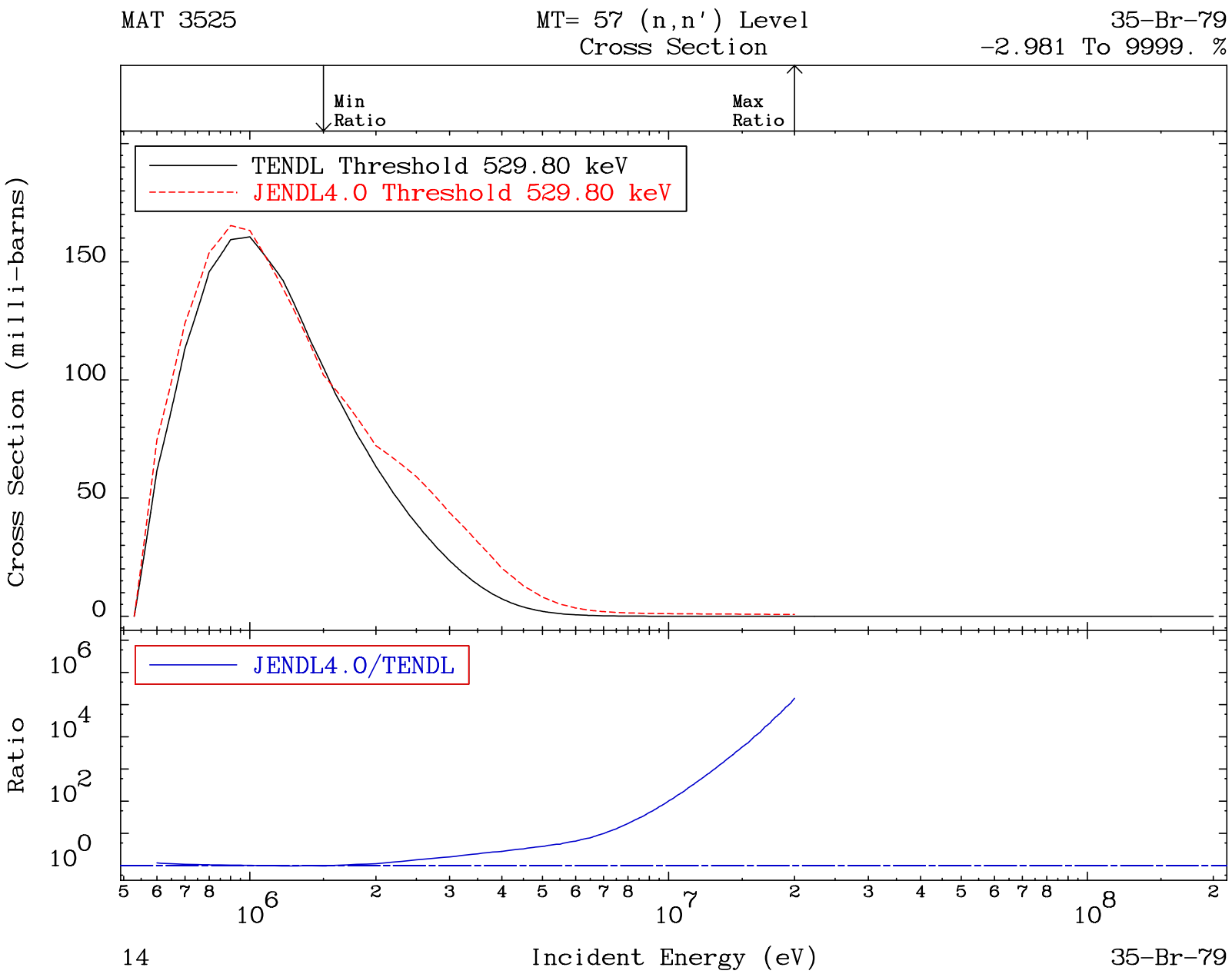

MAT 3525
MT= 52 (n,n') Level
Cross Section
35-Br-79
9.894 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 219.88 keV
JENDL4.0 Threshold 219.88 keV
Cross Section (milli-barns)
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^8
10^6
10^4
10^2
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
35-Br-79

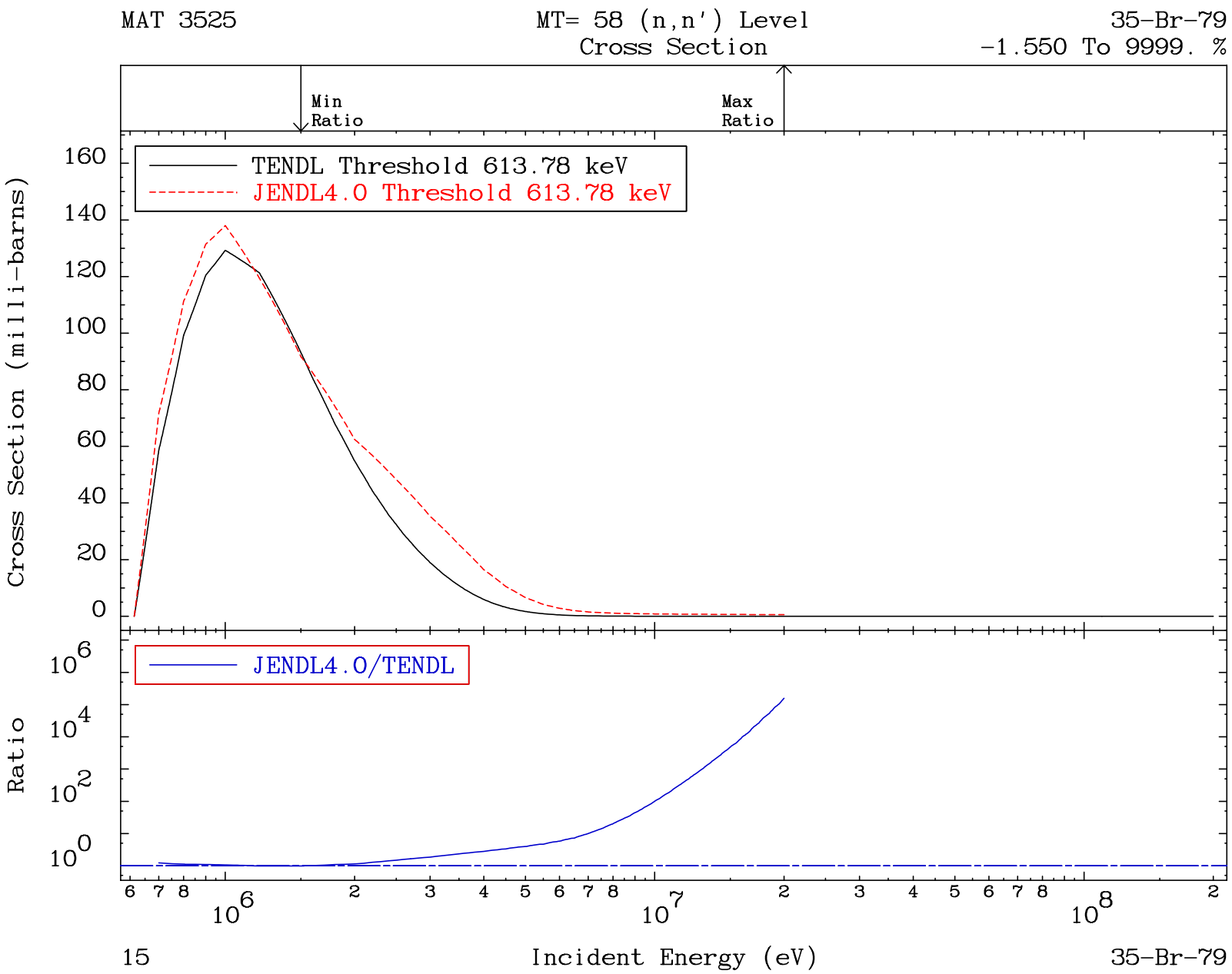

MAT 3525
MT= 53 (n,n') Level
Cross Section
35-Br-79
-4.057 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 264.67 keV
JENDL4.0 Threshold 264.67 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
35-Br-79

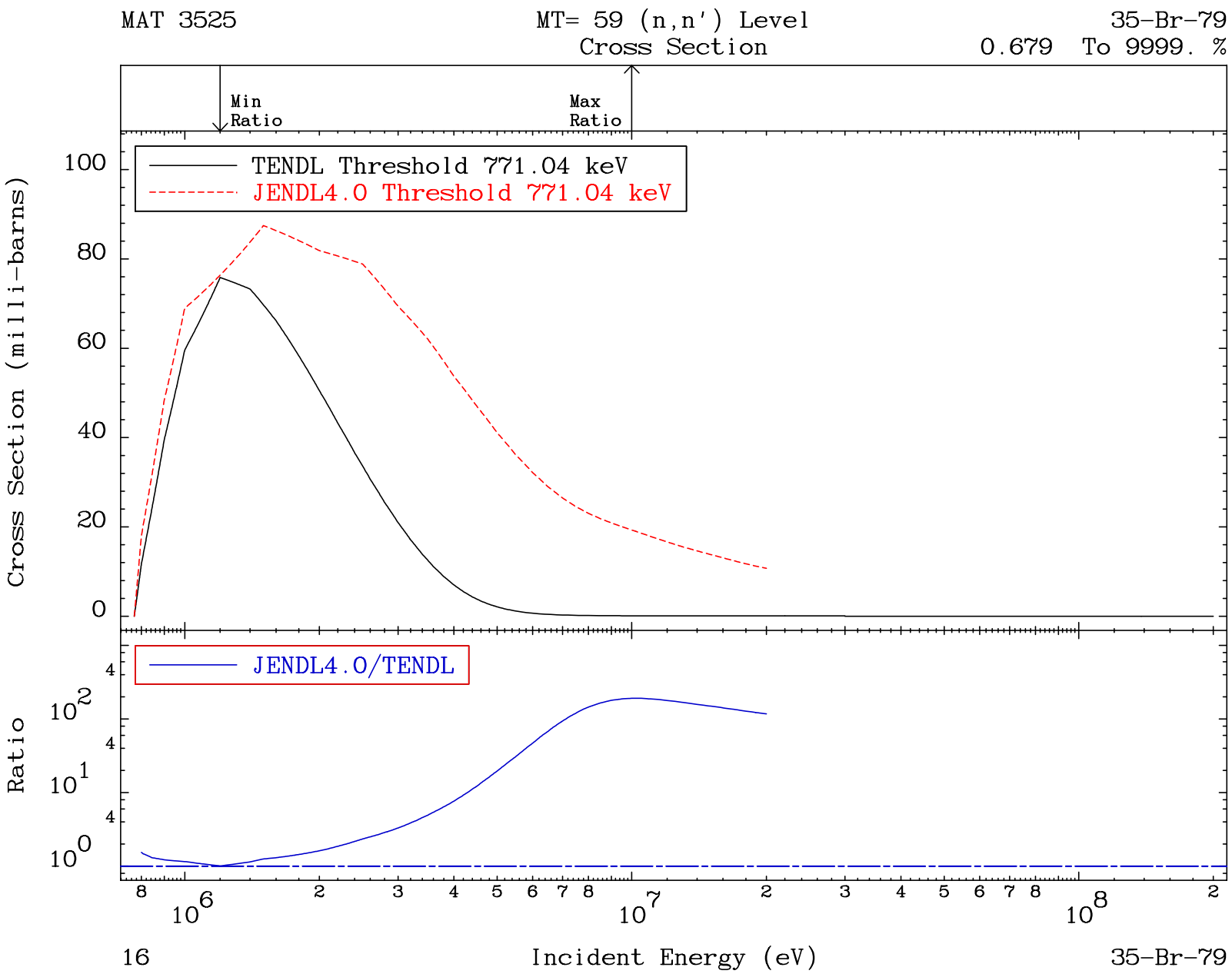

MAT 3525
MT= 54 (n,n') Level Cross Section
35-Br-79
66.25 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 310.43 keV
JENDL4.0 Threshold 310.43 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
35-Br-79

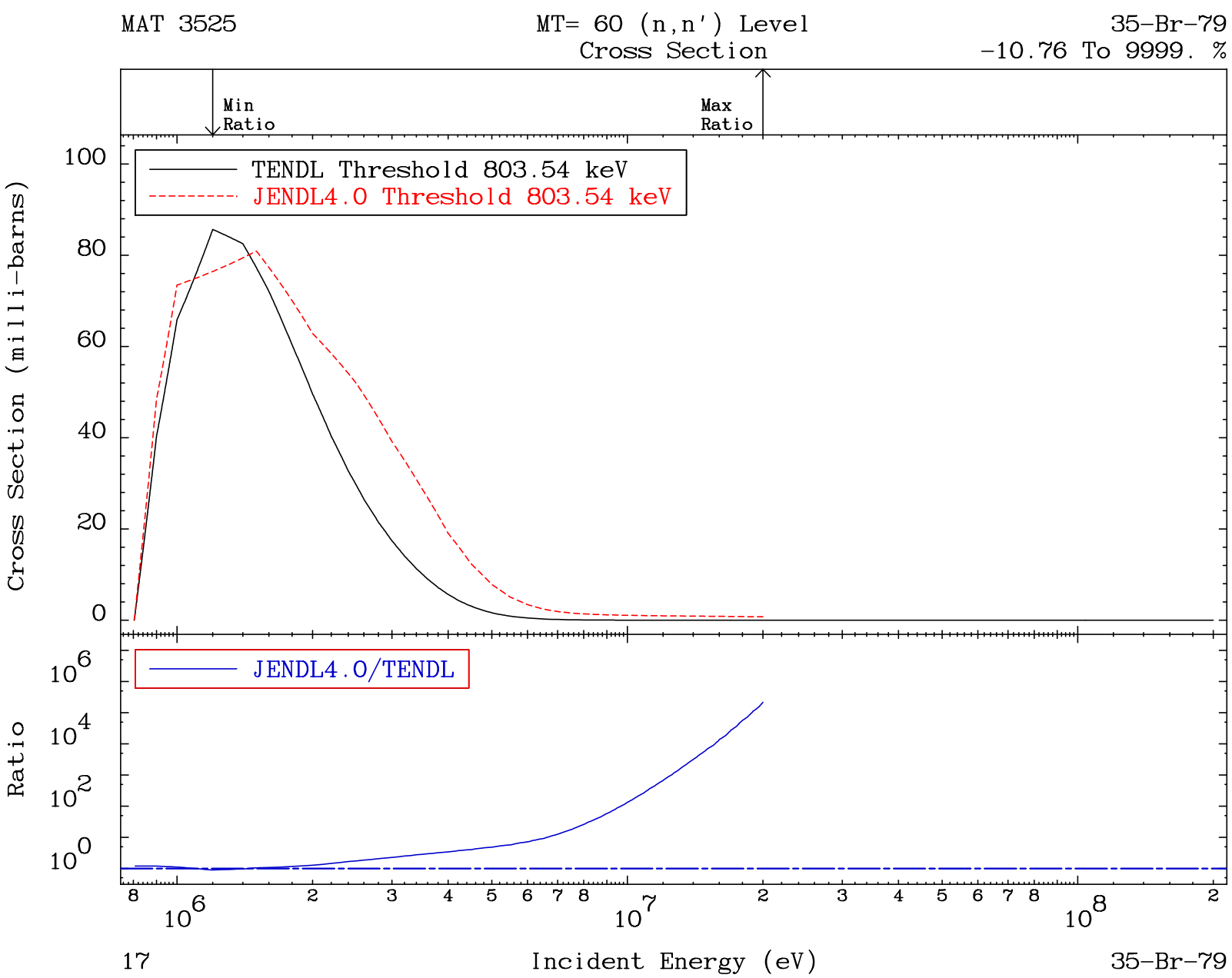

MAT 3525
MT= 55 (n,n') Level
Cross Section
35-Br-79
1.828 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 386.38 keV
JENDL4.0 Threshold 386.38 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
35-Br-79

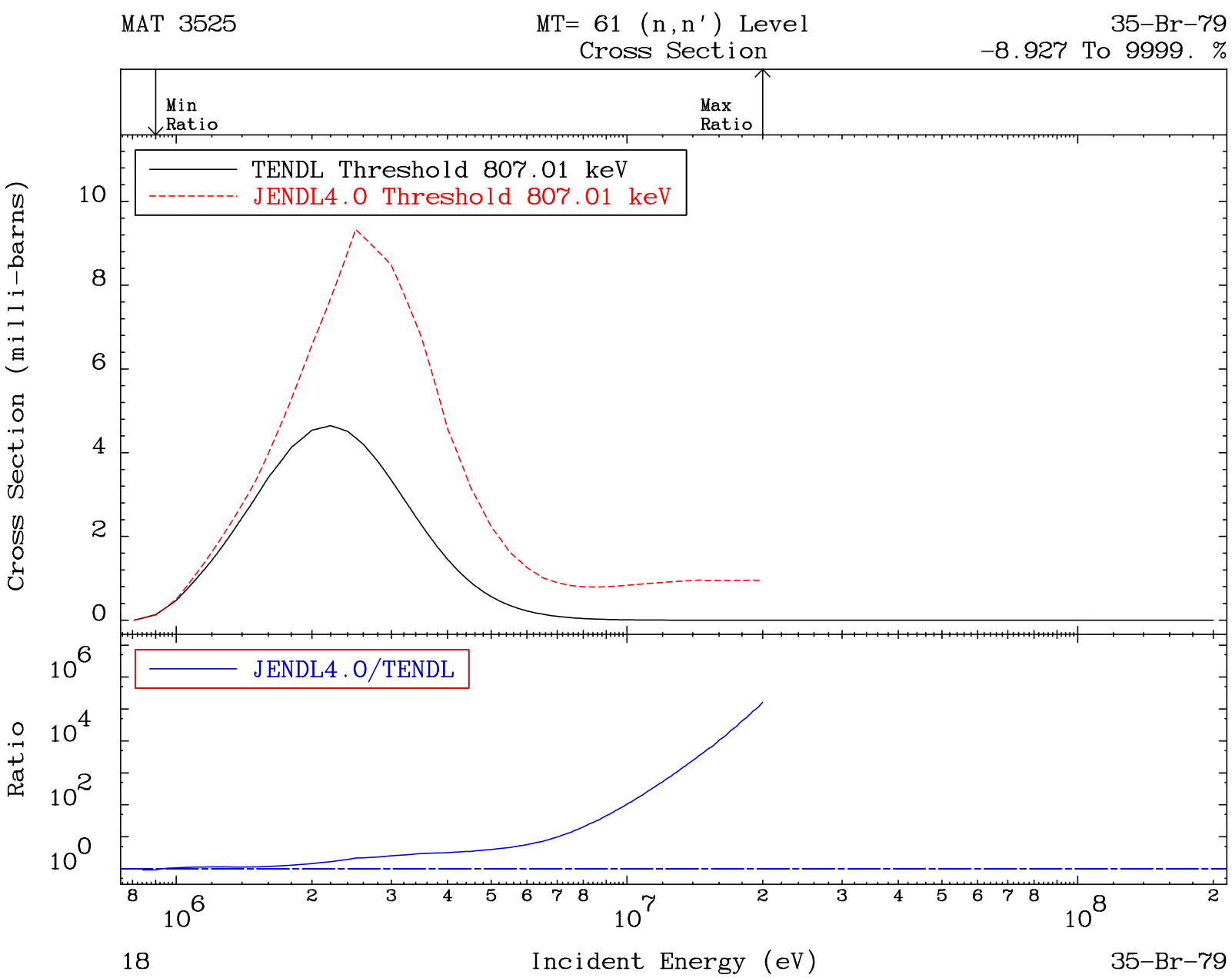

MAT 3525
MT= 56 (n,n') Level
Cross Section
35-Br-79
-3.228 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 402.56 keV
JENDL4.0 Threshold 402.56 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
35-Br-79

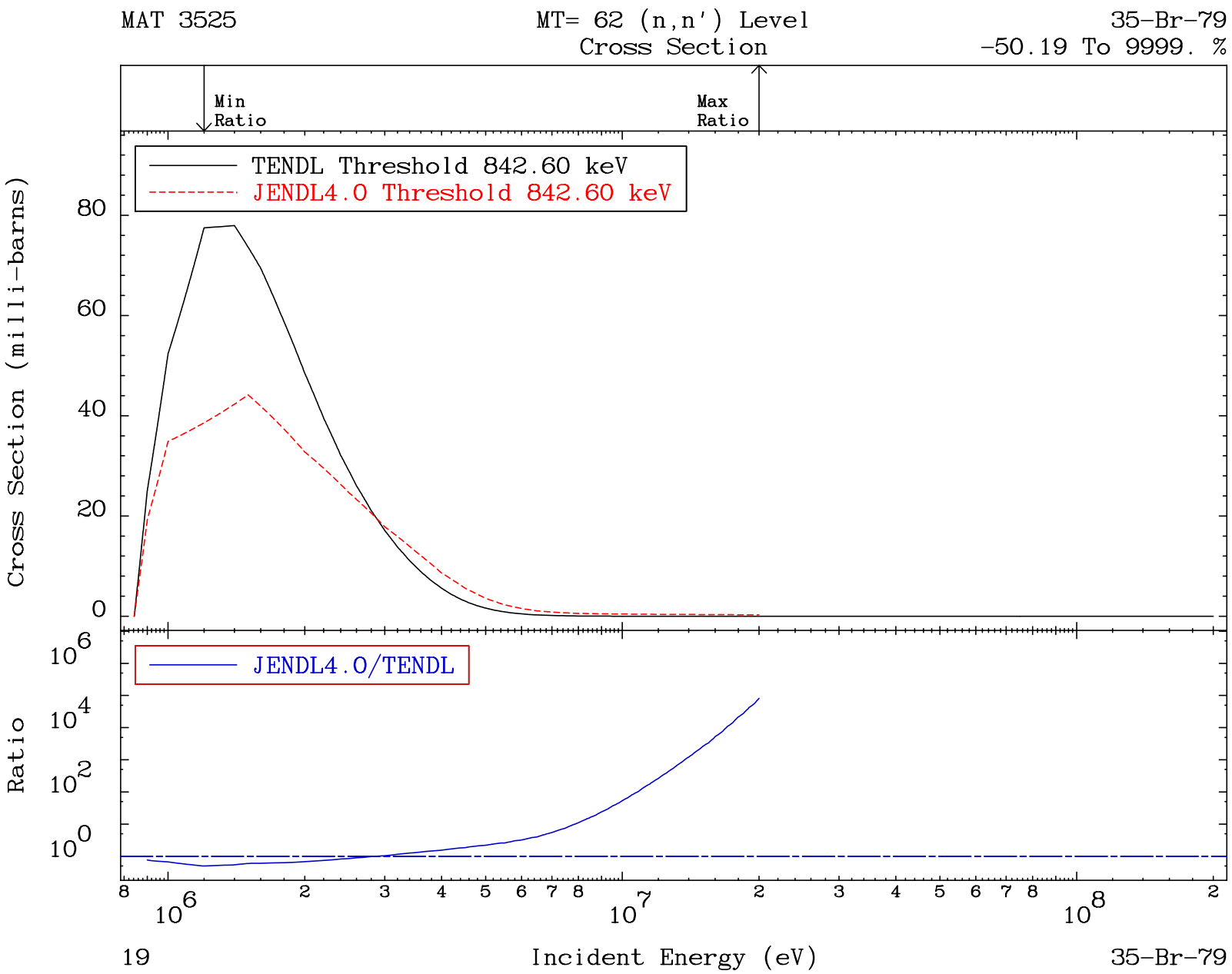

MAT 3525
MT= 57 (n,n') Level
Cross Section
35-Br-79
-2.981 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 529.80 keV
JENDL4.0 Threshold 529.80 keV
Cross Section (milli-barns)
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
35-Br-79

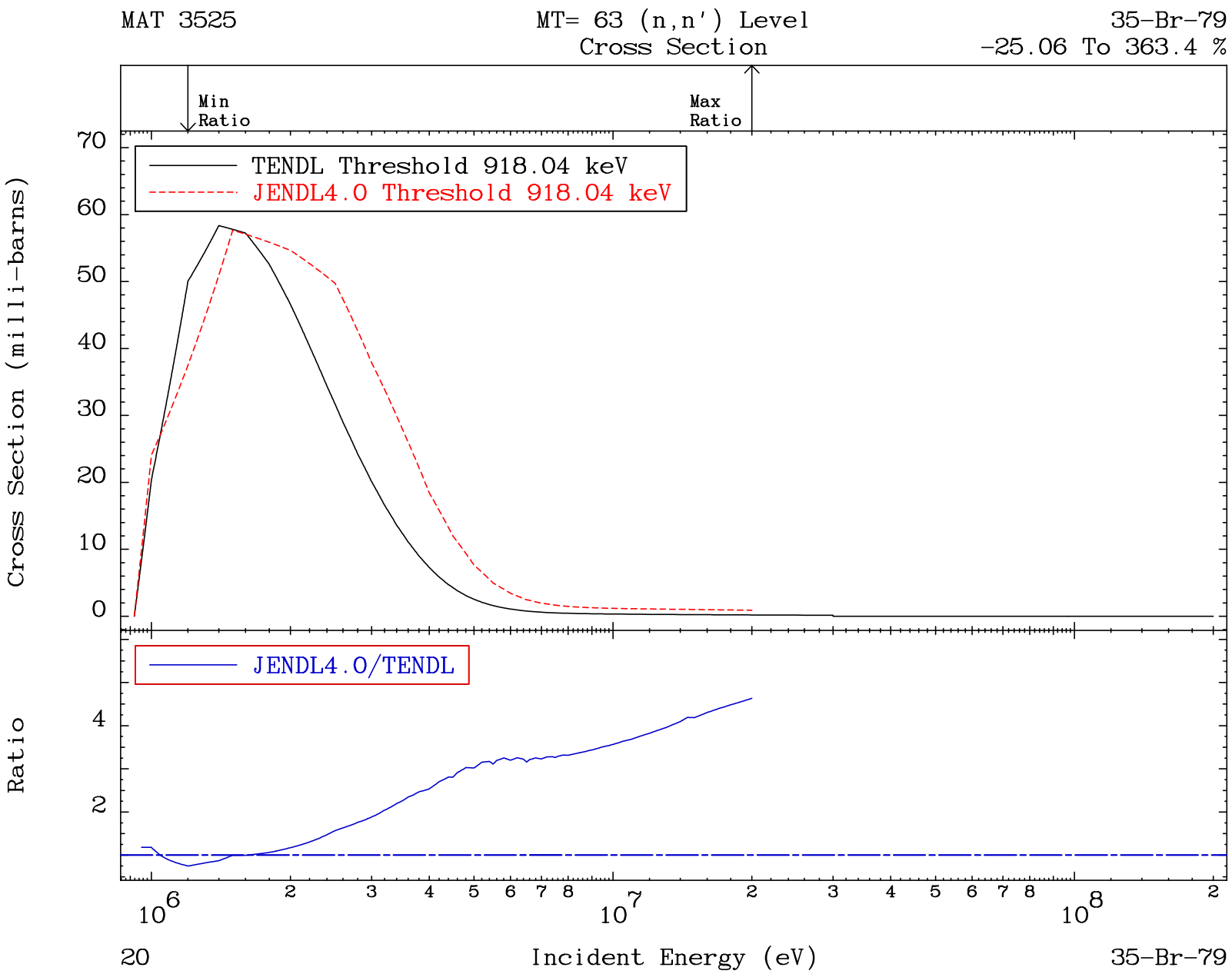

MAT 3525
MT= 58 (n,n') Level
Cross Section
35-Br-79
-1.550 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 613.78 keV
JENDL4.0 Threshold 613.78 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
35-Br-79

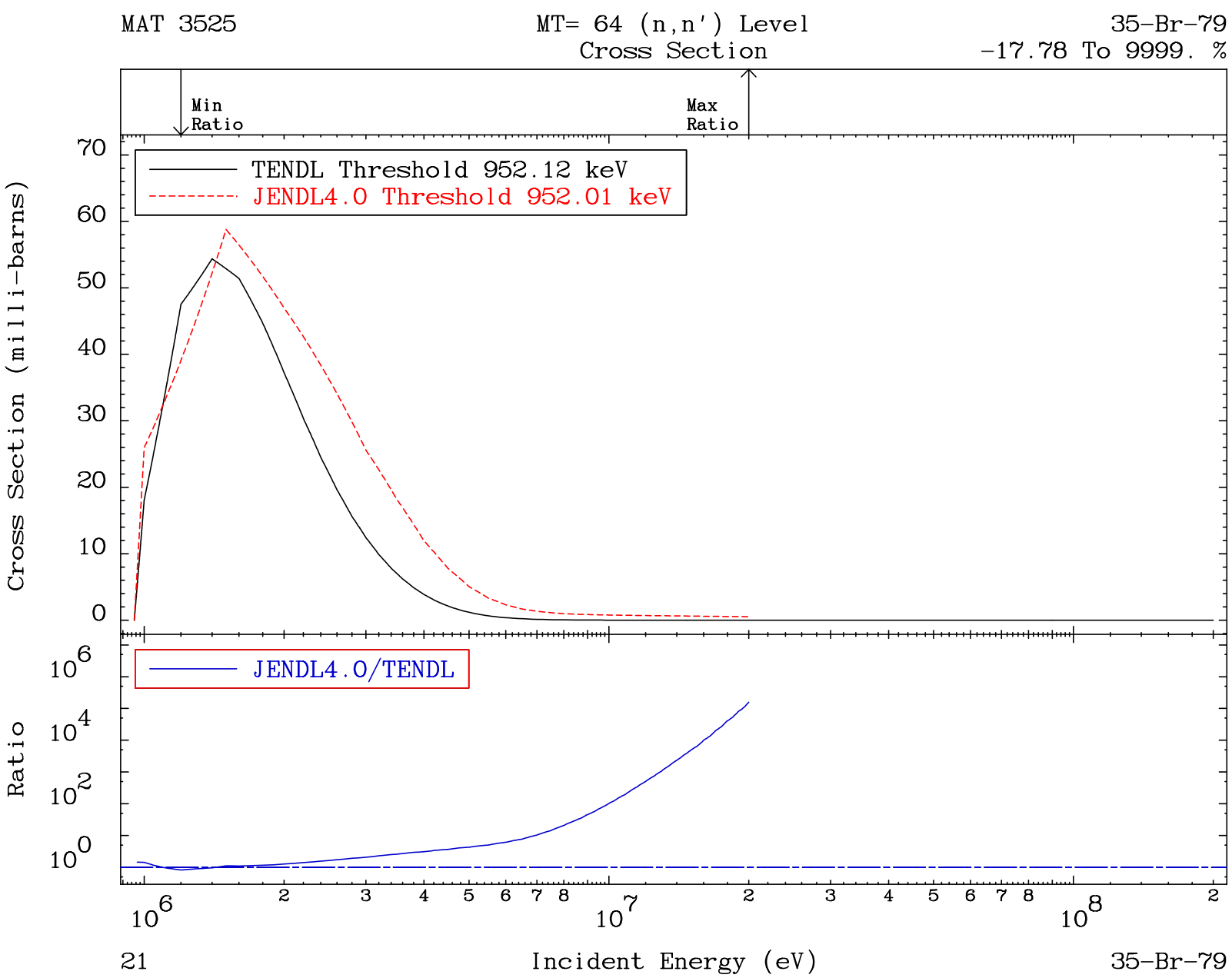

MAT 3525
MT= 59 (n,n') Level
Cross Section
35-Br-79
0.679 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 771.04 keV
JENDL4.0 Threshold 771.04 keV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
10^6
10^7
10^8
16
Incident Energy (eV)
35-Br-79

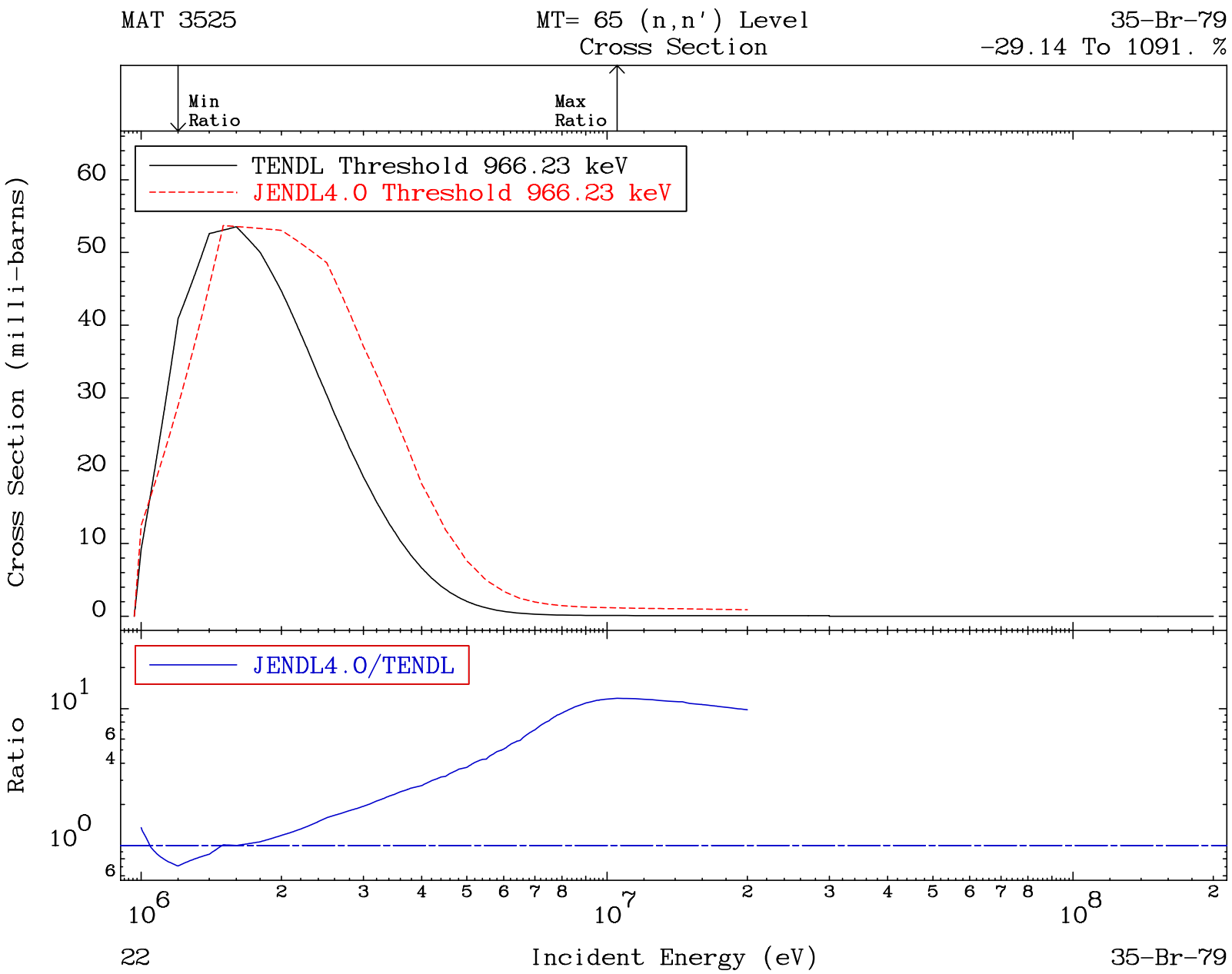

MAT 3525
MT= 60 (n,n') Level
Cross Section
35-Br-79
-10.76 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 803.54 keV
JENDL4.0 Threshold 803.54 keV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
35-Br-79

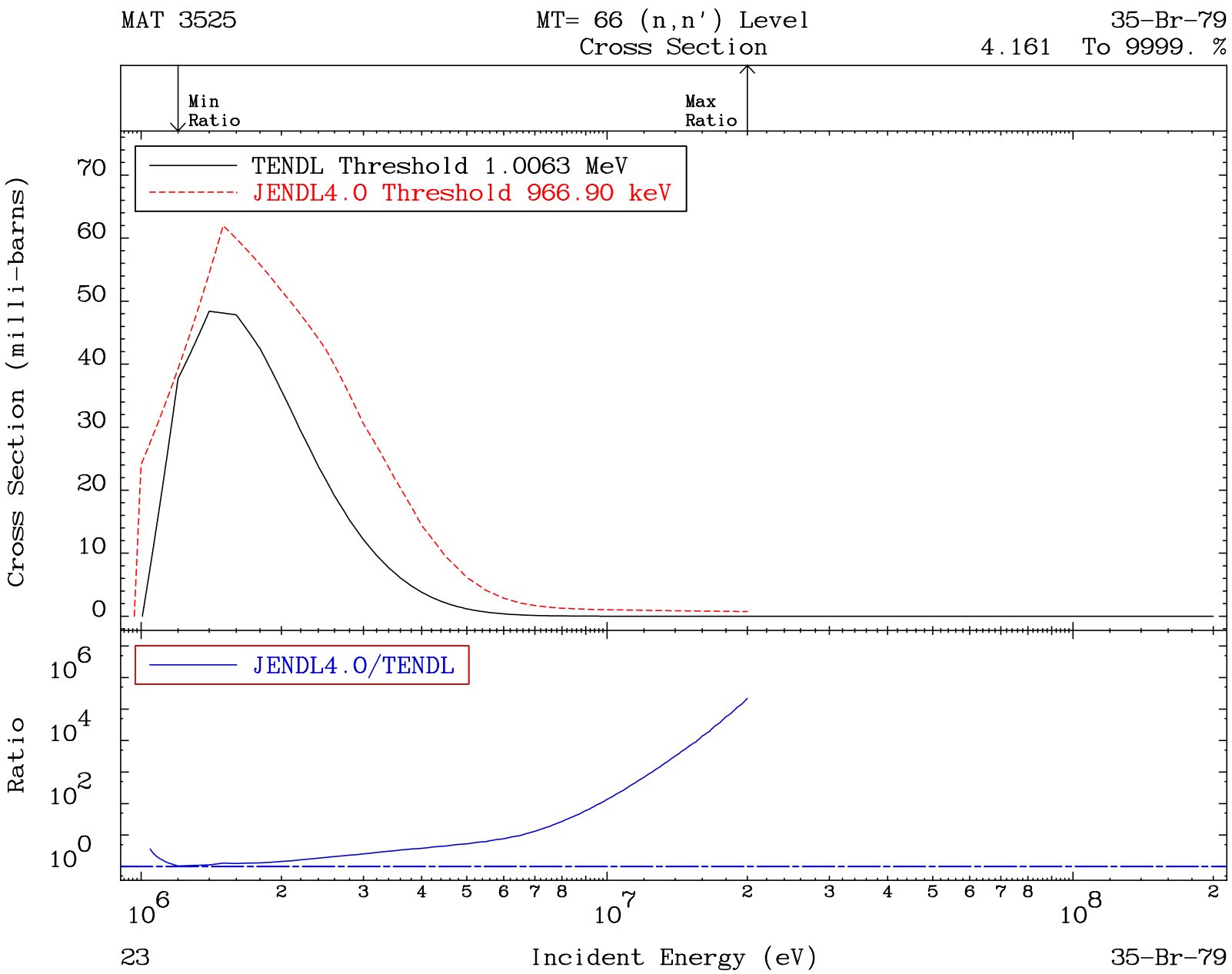

MAT 3525
MT= 61 (n,n') Level
Cross Section
35-Br-79
-8.927 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 807.01 keV
JENDL4.0 Threshold 807.01 keV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
18
35-Br-79

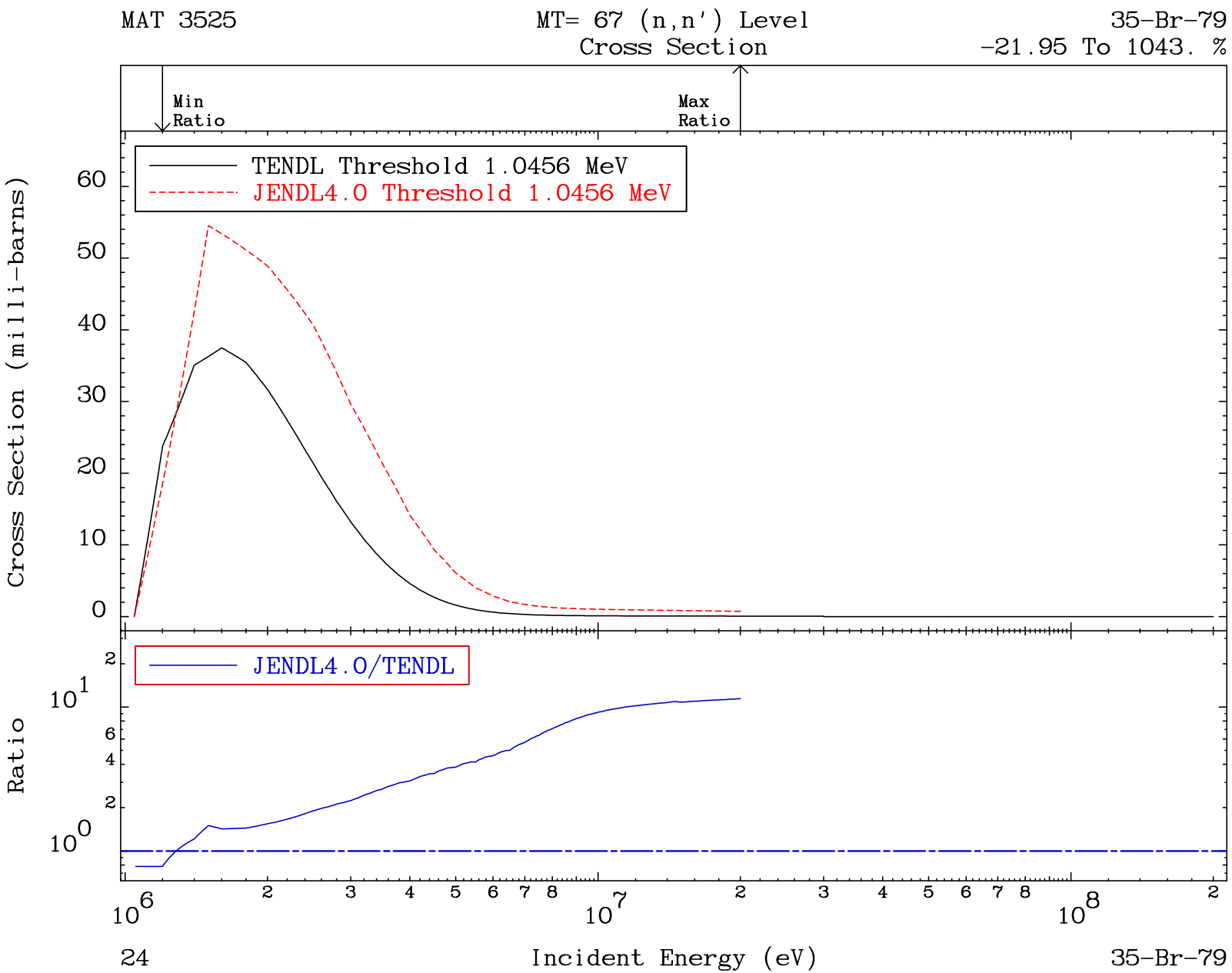

MAT 3525
MT= 62 (n,n') Level
Cross Section
35-Br-79
-50.19 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 842.60 keV
JENDL4.0 Threshold 842.60 keV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
35-Br-79

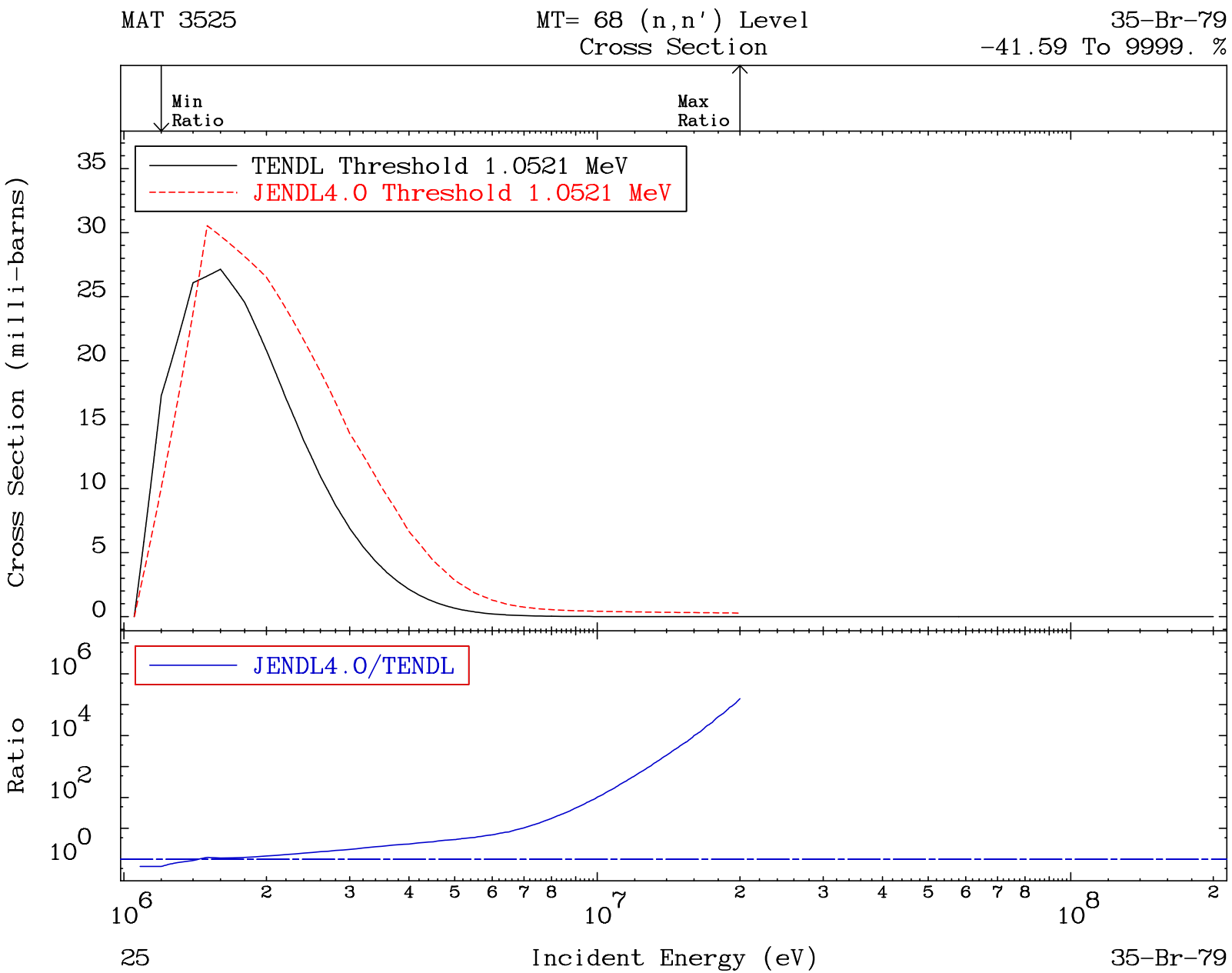

MAT 3525
MT= 63 (n,n') Level
Cross Section
35-Br-79
-25.06 To 363.4 %
Min
Ratio
Max
Ratio
TENDL Threshold 918.04 keV
JENDL4.0 Threshold 918.04 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
4
2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
35-Br-79

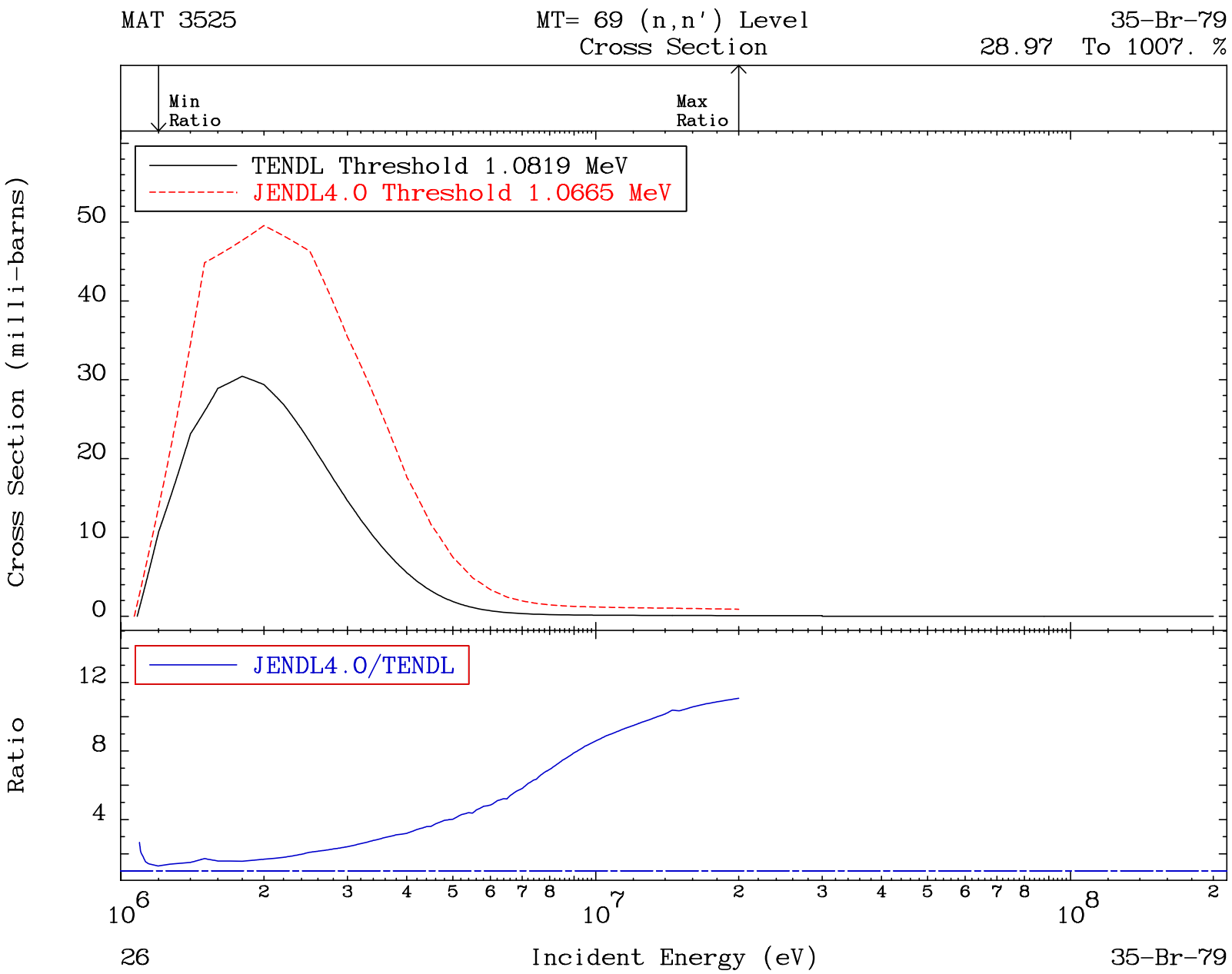

MAT 3525
MT= 64 (n,n') Level
Cross Section
35-Br-79
-17.78 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 952.12 keV
JENDL4.0 Threshold 952.01 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
35-Br-79

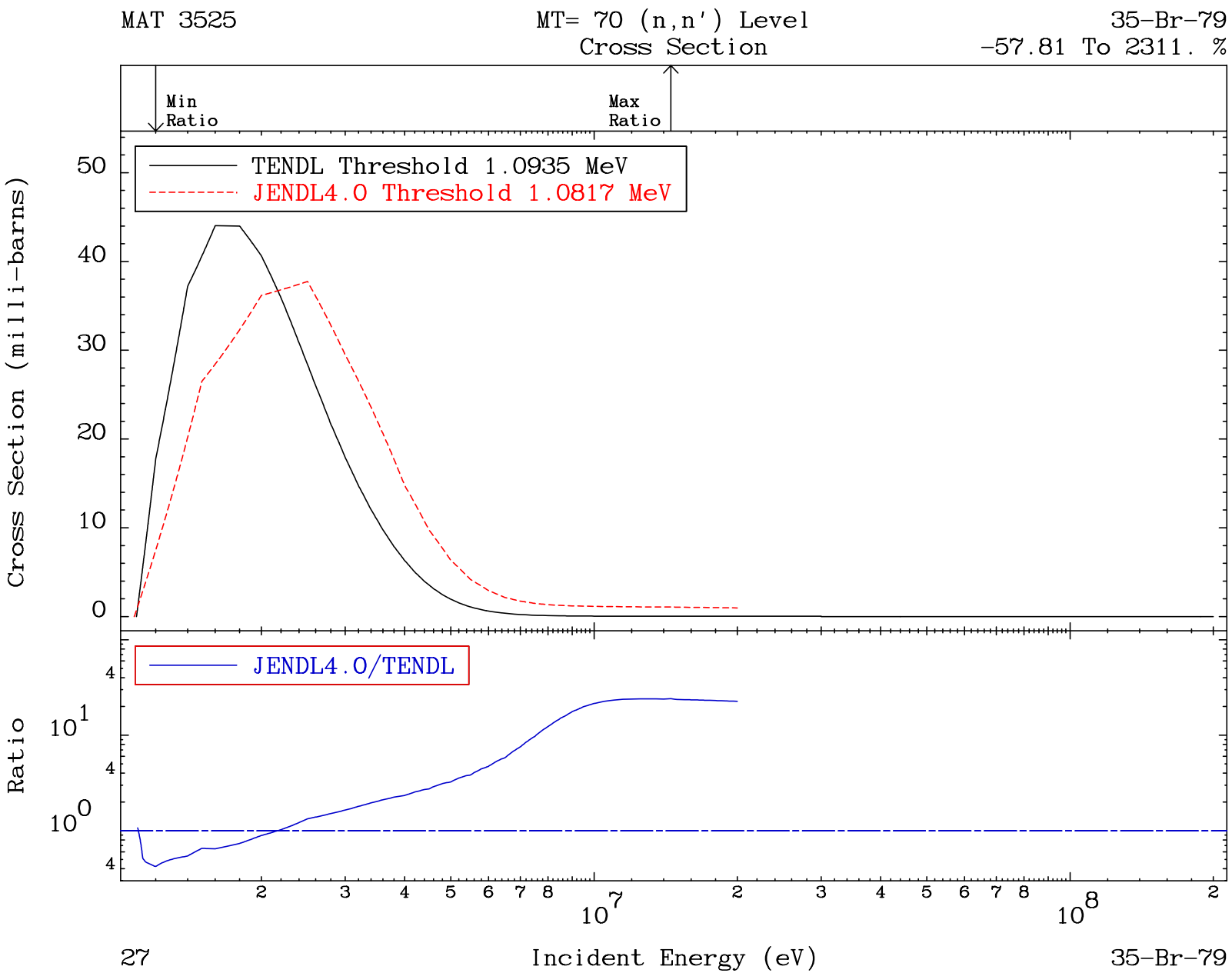

MAT 3525
MT= 65 (n,n') Level
Cross Section
35-Br-79
-29.14 To 1091. %
Min
Ratio
Max
Ratio
TENDL Threshold 966.23 keV
JENDL4.0 Threshold 966.23 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
6
4
10^0
6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
35-Br-79

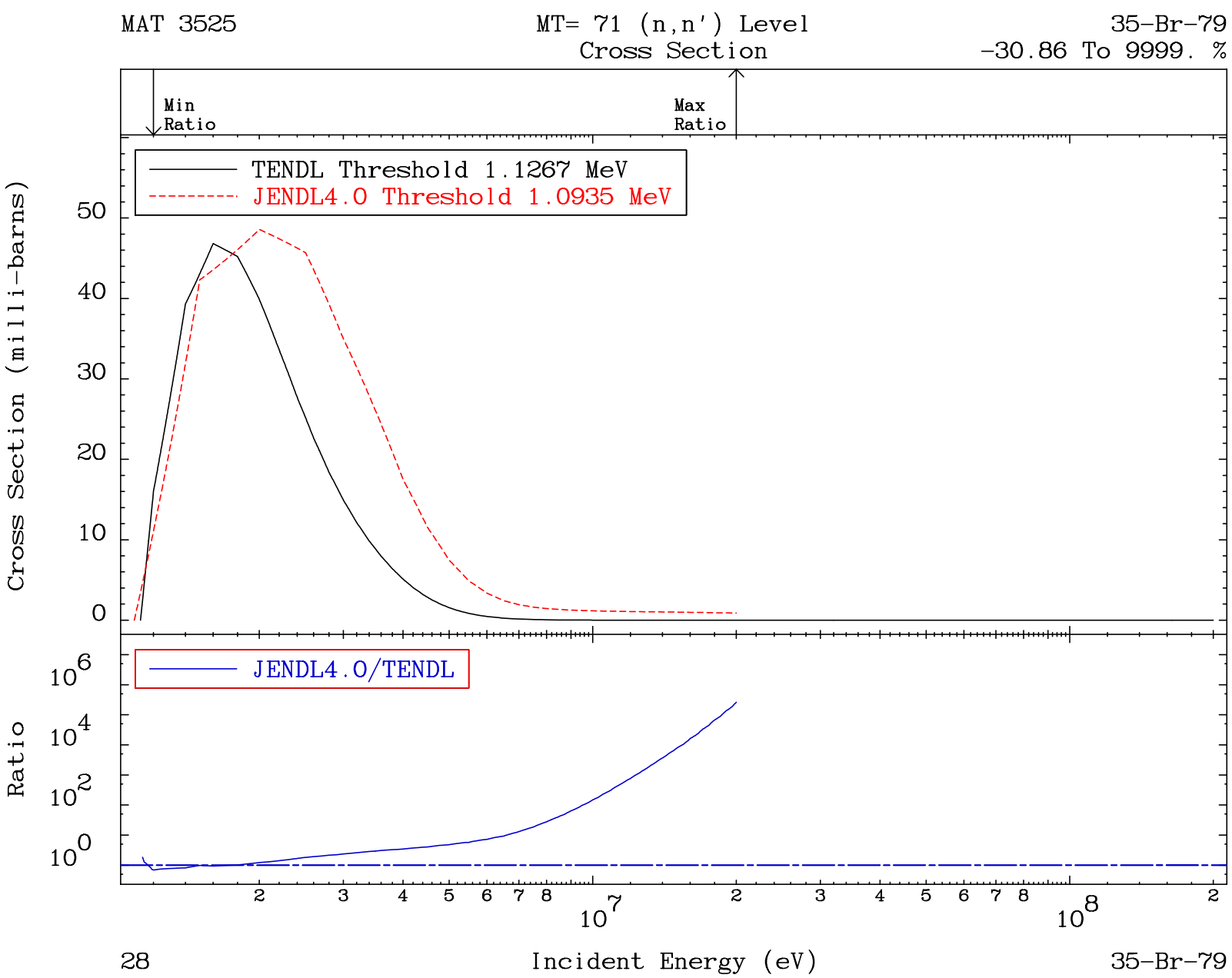

MAT 3525
MT= 66 (n,n') Level
Cross Section
35-Br-79
4.161 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0063 MeV
JENDL4.0 Threshold 966.90 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
35-Br-79

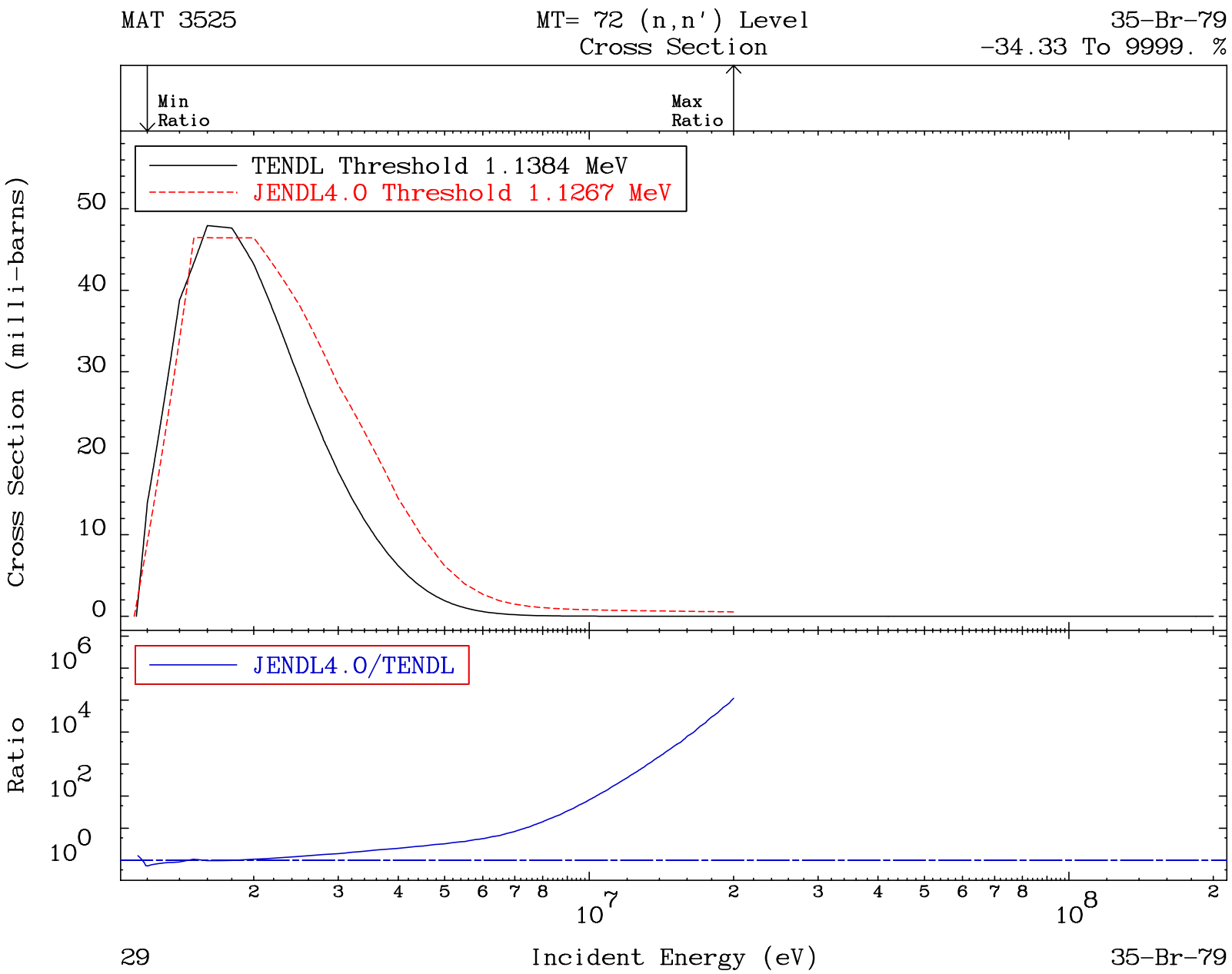

MAT 3525
MT= 67 (n,n') Level
Cross Section
35-Br-79
-21.95 To 1043. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0456 MeV
JENDL4.0 Threshold 1.0456 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
10^0
2
6
4
2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
35-Br-79

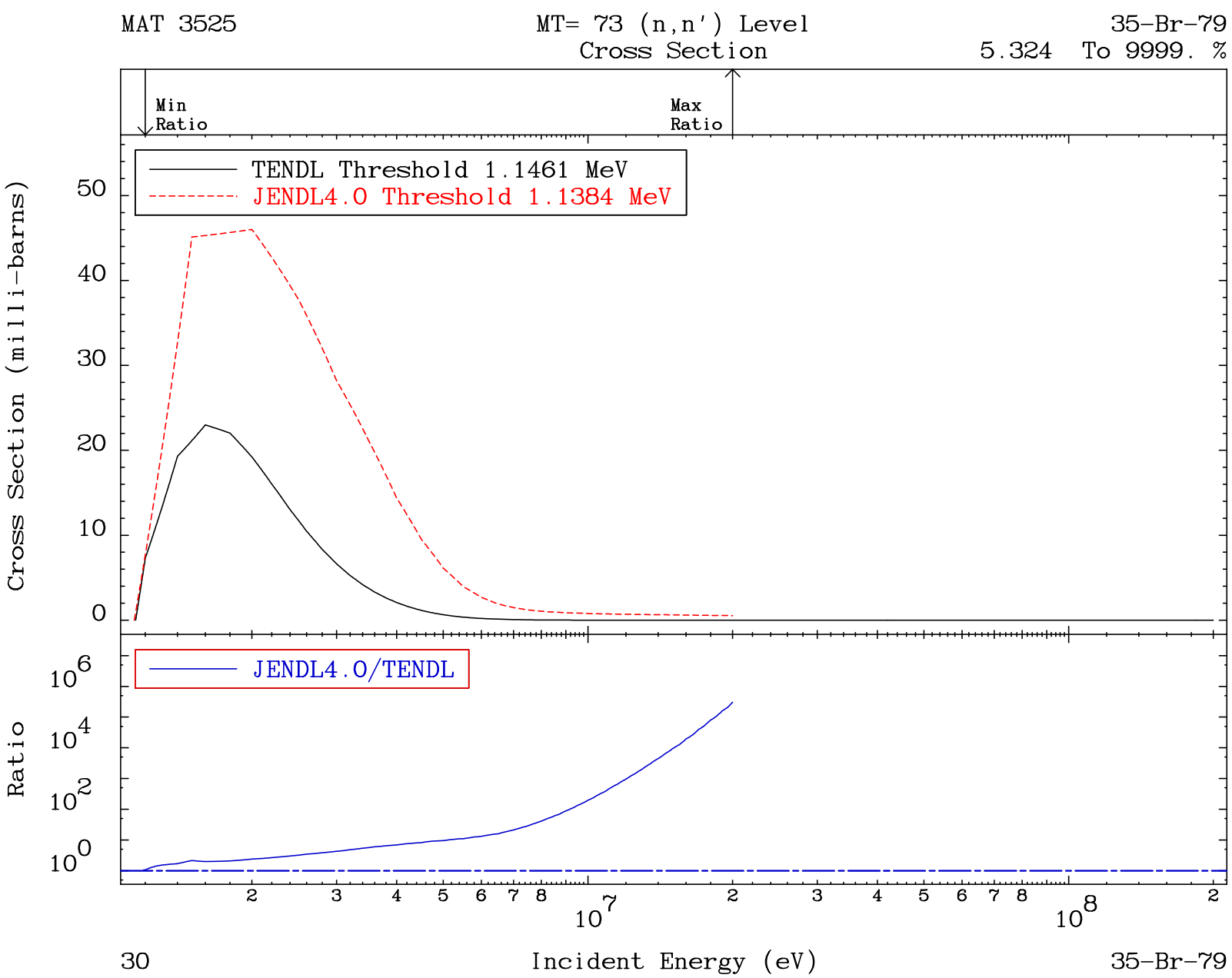

MAT 3525
MT= 68 (n,n') Level
Cross Section
35-Br-79
-41.59 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0521 MeV
JENDL4.0 Threshold 1.0521 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
35-Br-79

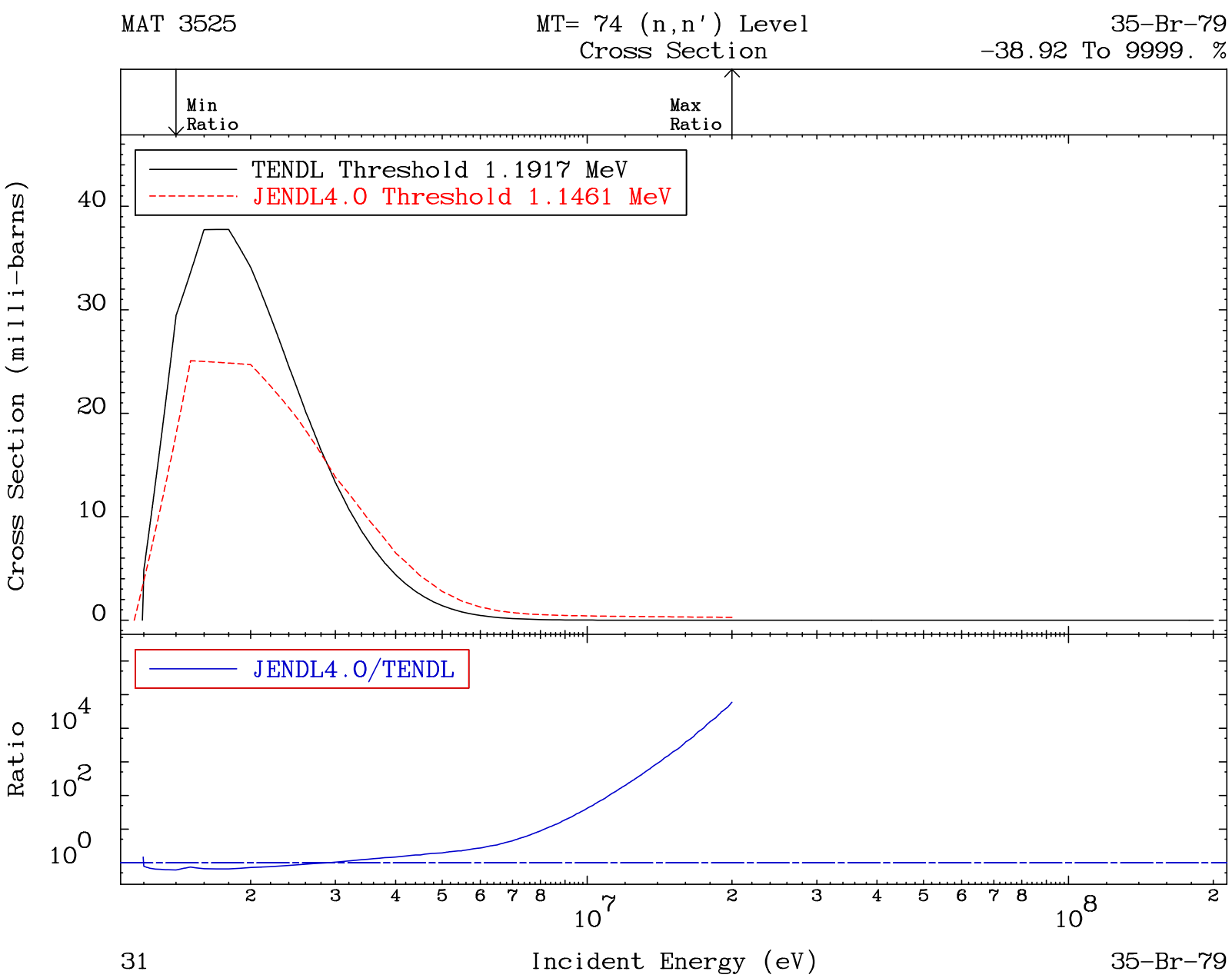

MAT 3525
MT= 69 (n,n') Level
Cross Section
35-Br-79
28.97 To 1007. %
Min Ratio
Max Ratio
TENDL Threshold 1.0819 MeV
JENDL4.0 Threshold 1.0665 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
12
8
4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
35-Br-79

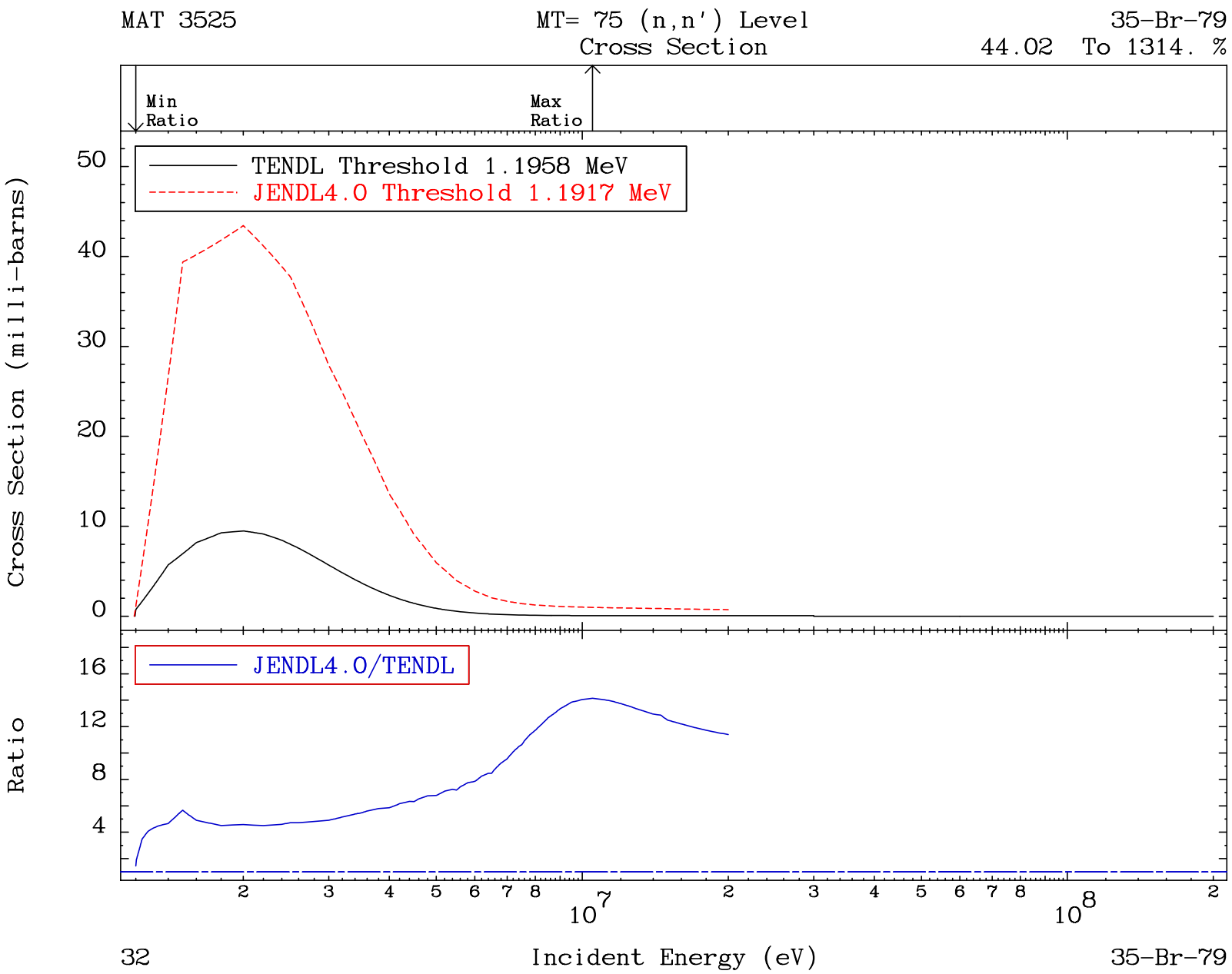

MAT 3525
MT= 70 (n,n') Level
Cross Section
35-Br-79
-57.81 To 2311. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0935 MeV
JENDL4.0 Threshold 1.0817 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
10^0
4
2
3
4
5
6
7
8
10^7
10^8
27
Incident Energy (eV)
35-Br-79

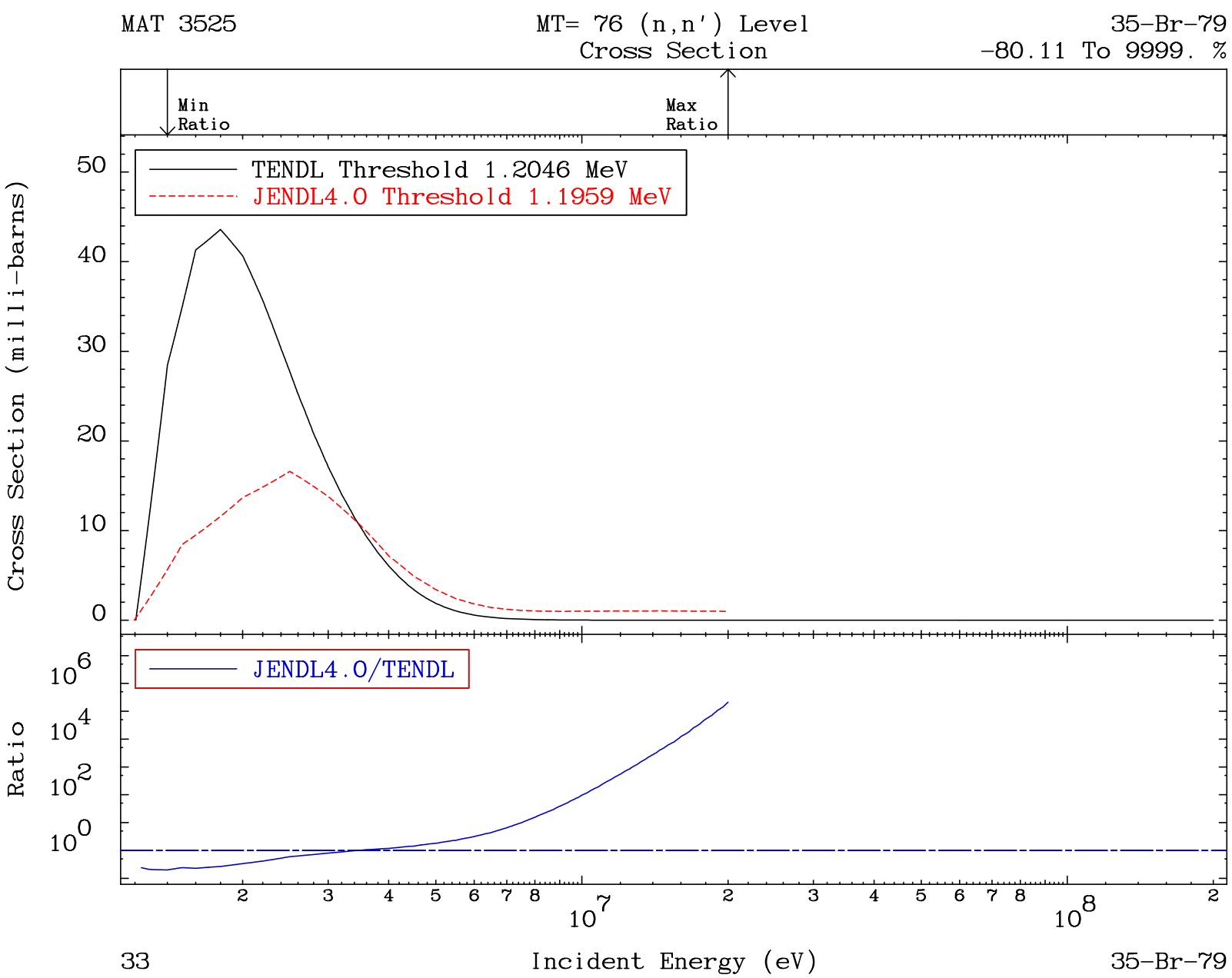

MAT 3525
MT= 71 (n,n') Level
Cross Section
35-Br-79
-30.86 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1267 MeV
JENDL4.0 Threshold 1.0935 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
35-Br-79

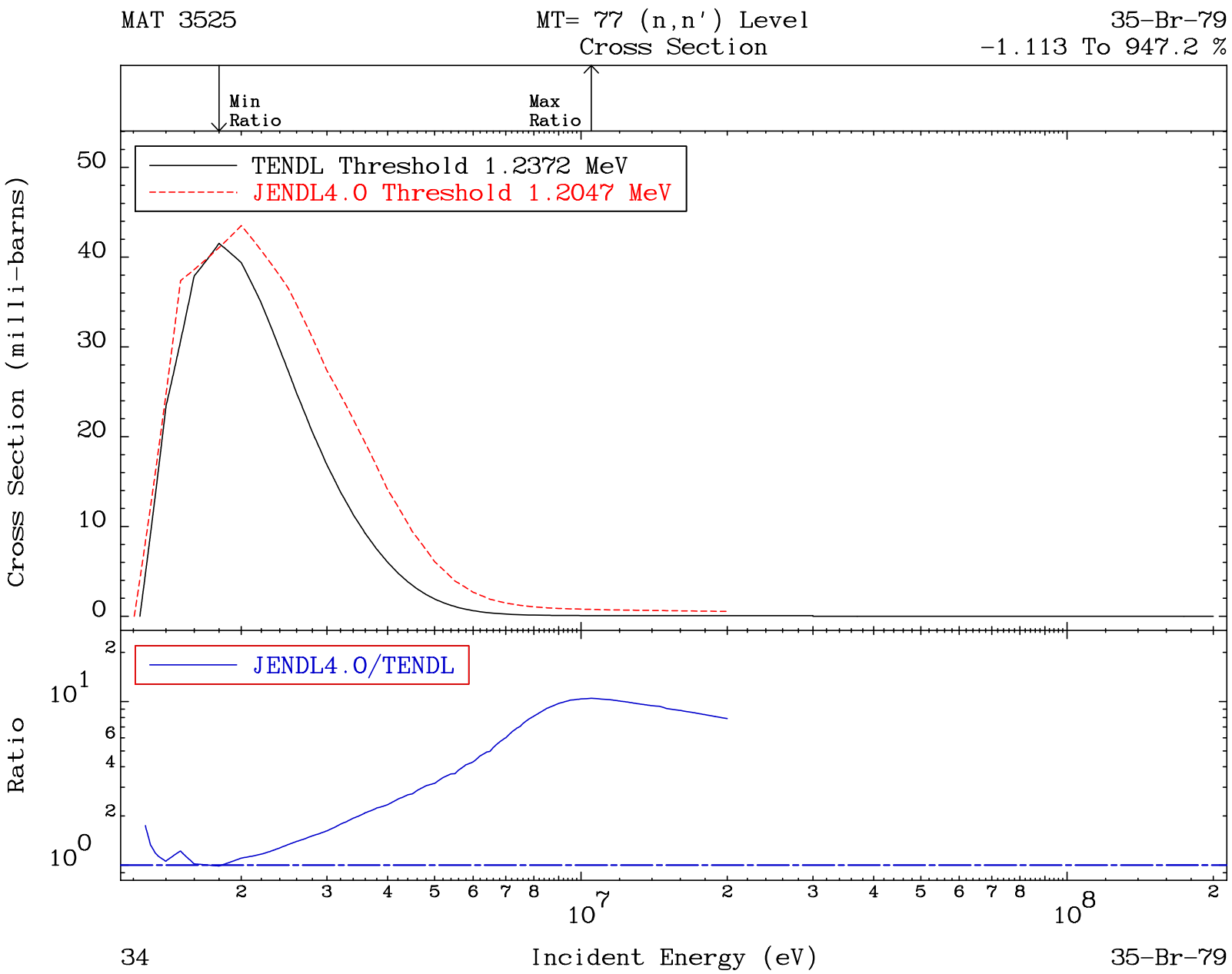

MAT 3525
MT= 72 (n,n') Level
Cross Section
35-Br-79
-34.33 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1384 MeV
JENDL4.0 Threshold 1.1267 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
35-Br-79

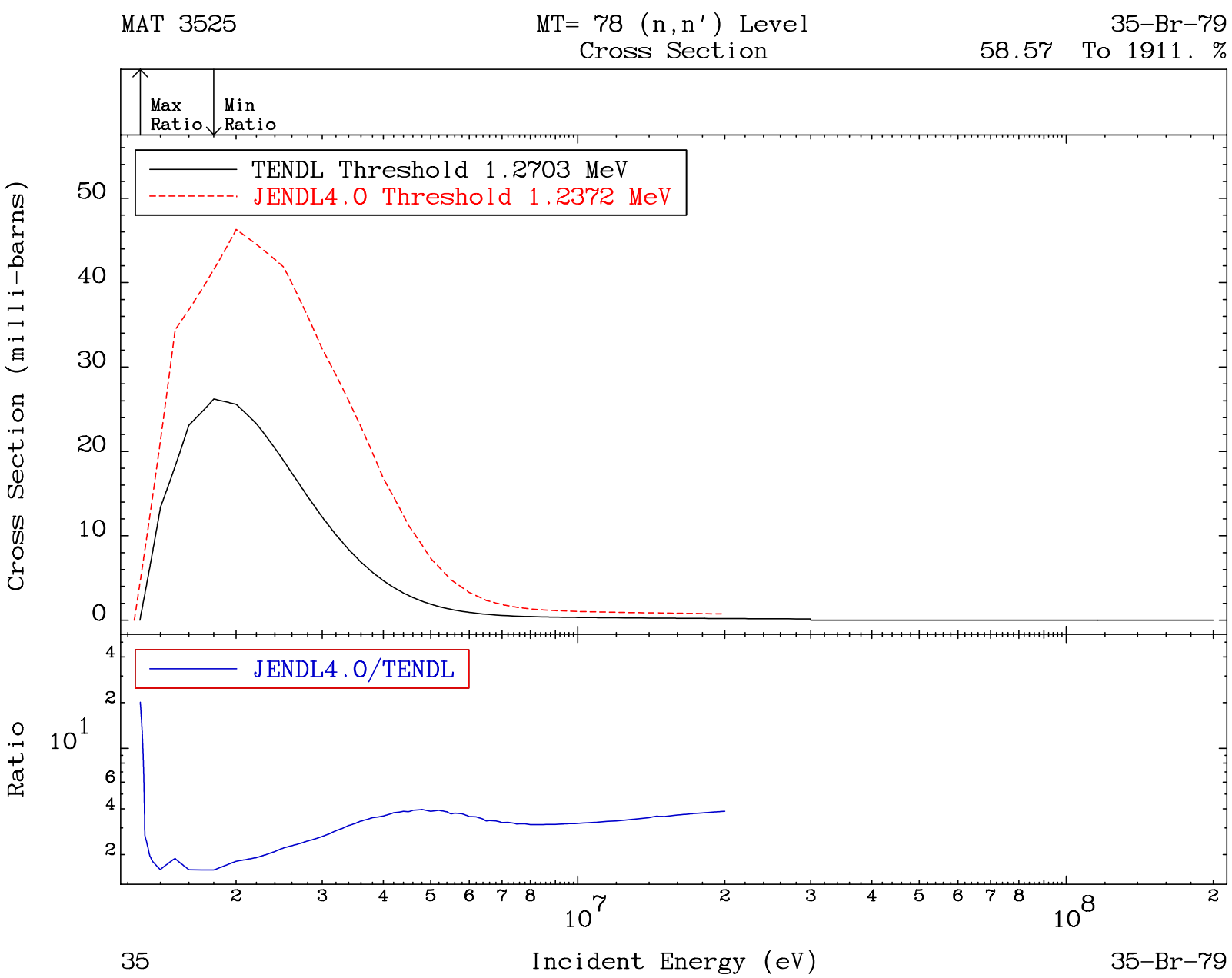

MAT 3525
MT= 73 (n,n') Level
Cross Section
35-Br-79
5.324 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1461 MeV
JENDL4.0 Threshold 1.1384 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
35-Br-79

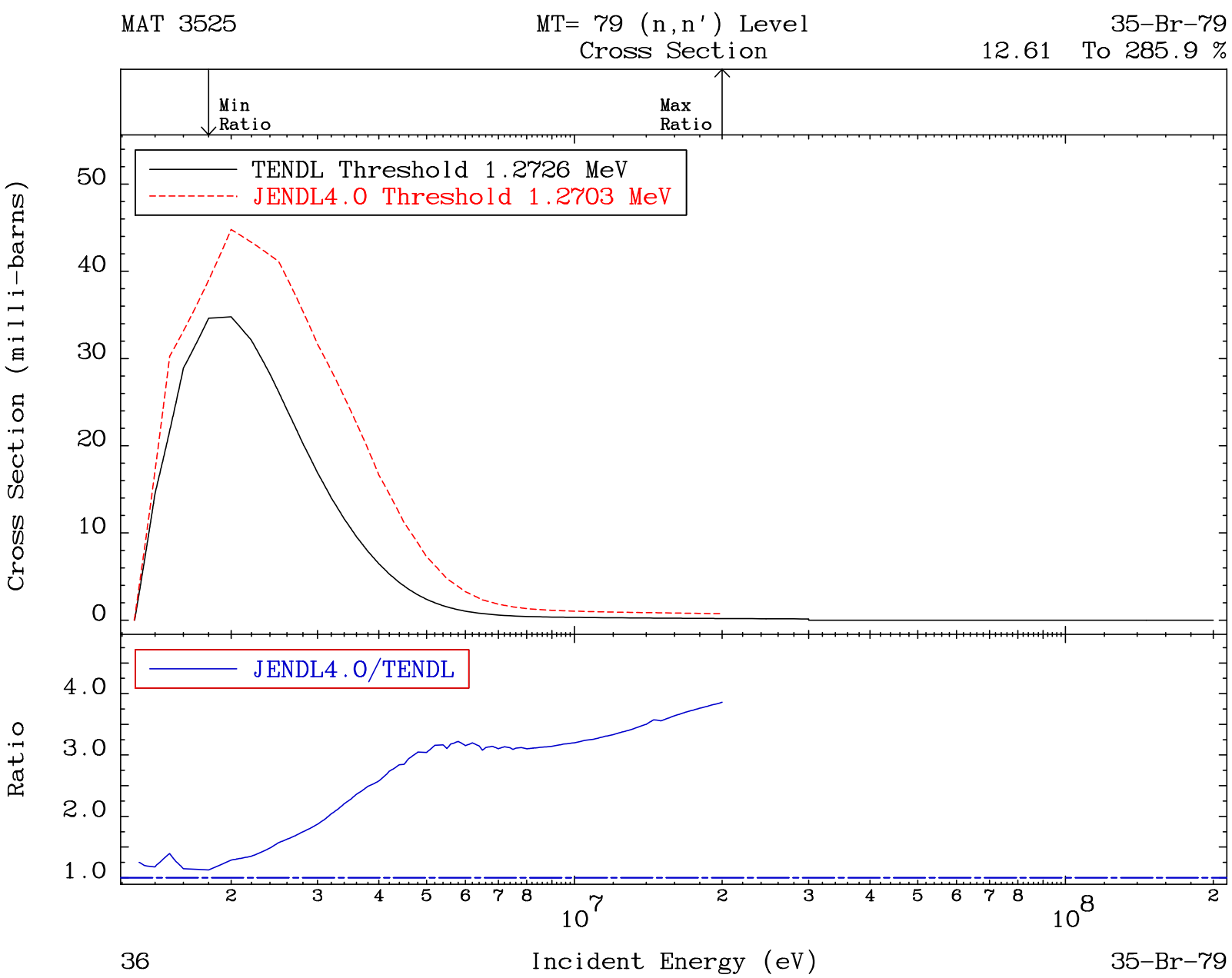

MAT 3525
MT= 74 (n,n') Level
Cross Section
35-Br-79
-38.92 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1917 MeV
JENDL4.0 Threshold 1.1461 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
35-Br-79

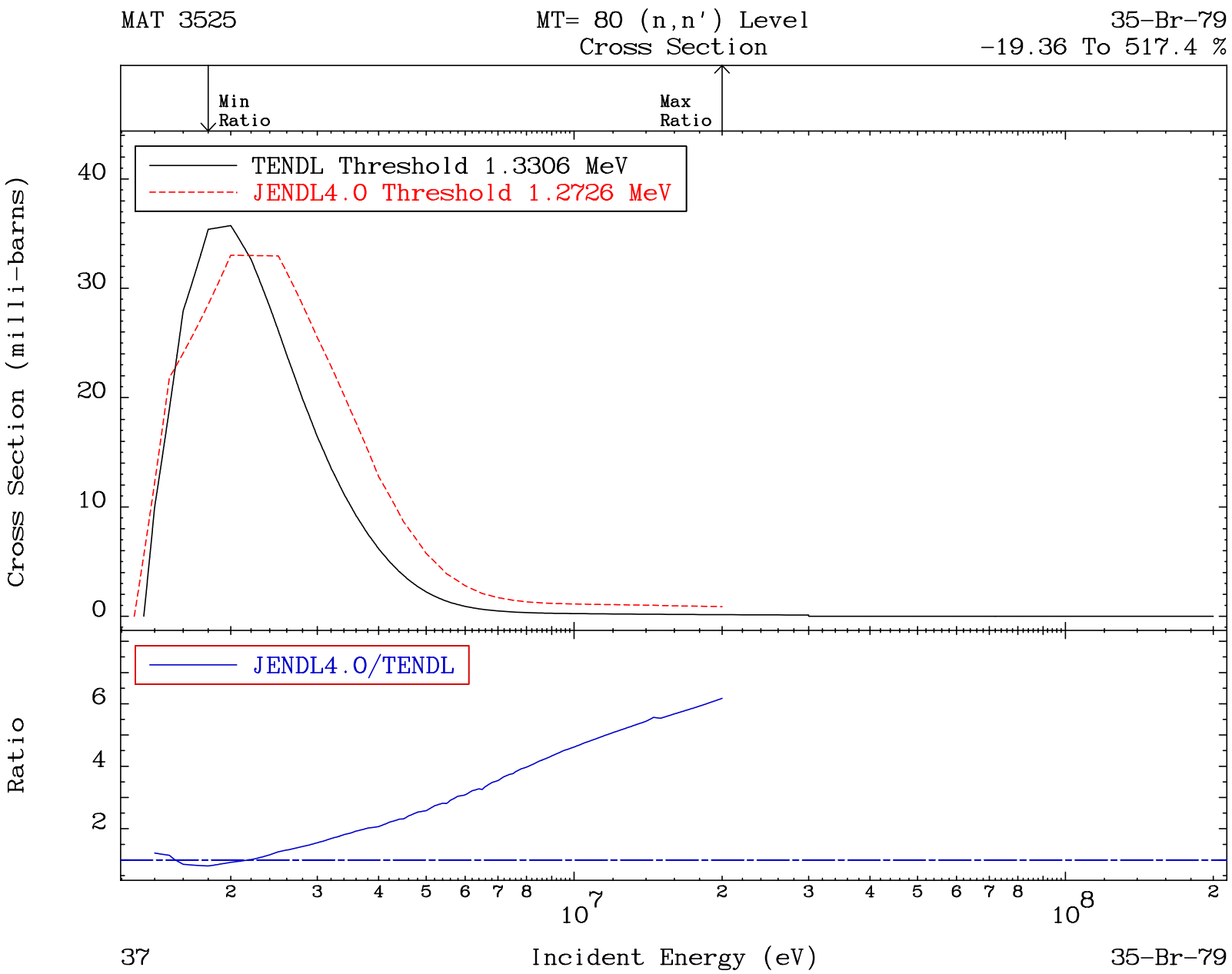

MAT 3525
MT= 75 (n,n') Level
Cross Section
35-Br-79
44.02 To 1314. %
Min Ratio
Max Ratio
TENDL Threshold 1.1958 MeV
JENDL4.0 Threshold 1.1917 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
16
12
8
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
35-Br-79

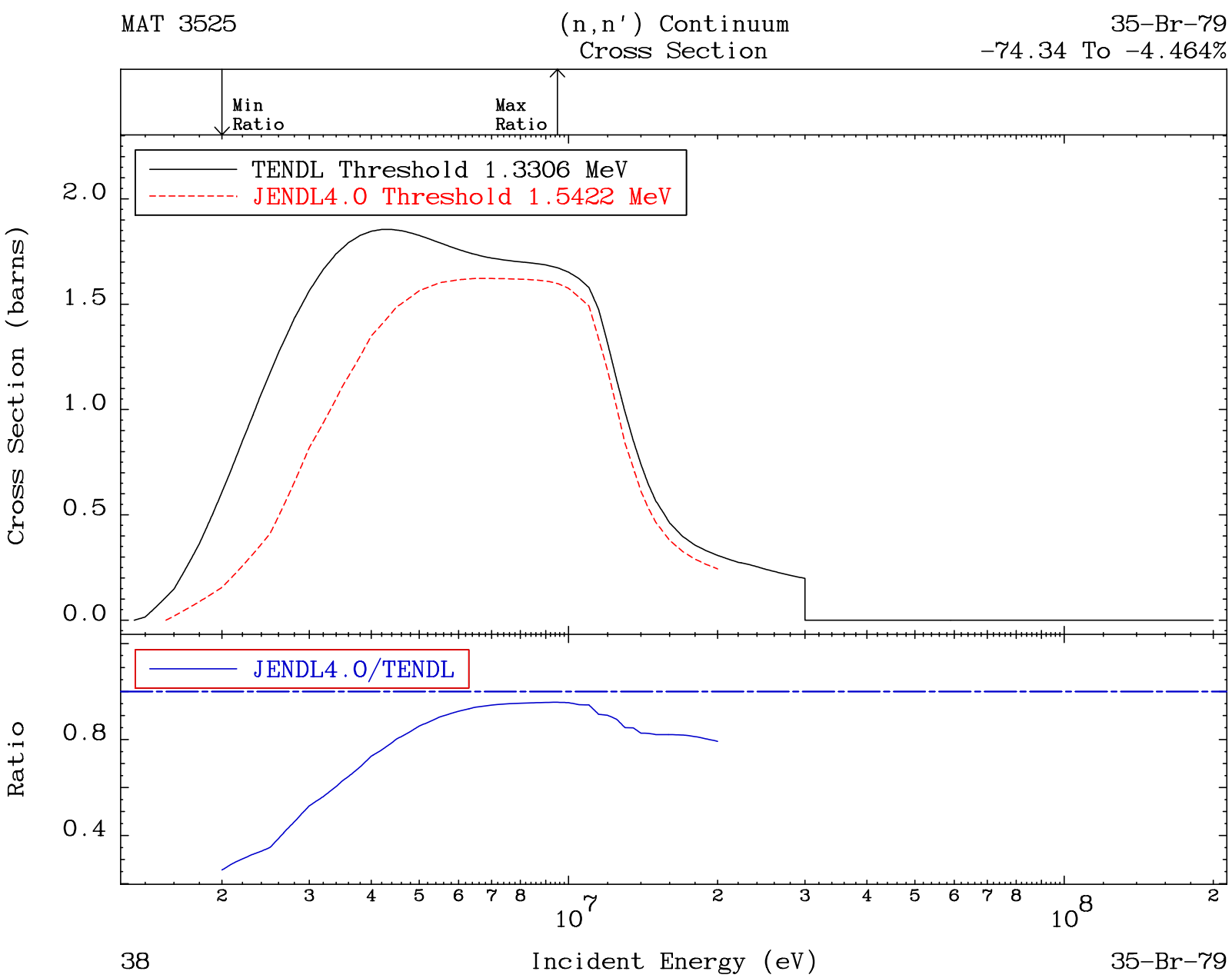

MAT 3525
MT= 76 (n,n') Level
Cross Section
35-Br-79
-80.11 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2046 MeV
JENDL4.0 Threshold 1.1959 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
35-Br-79

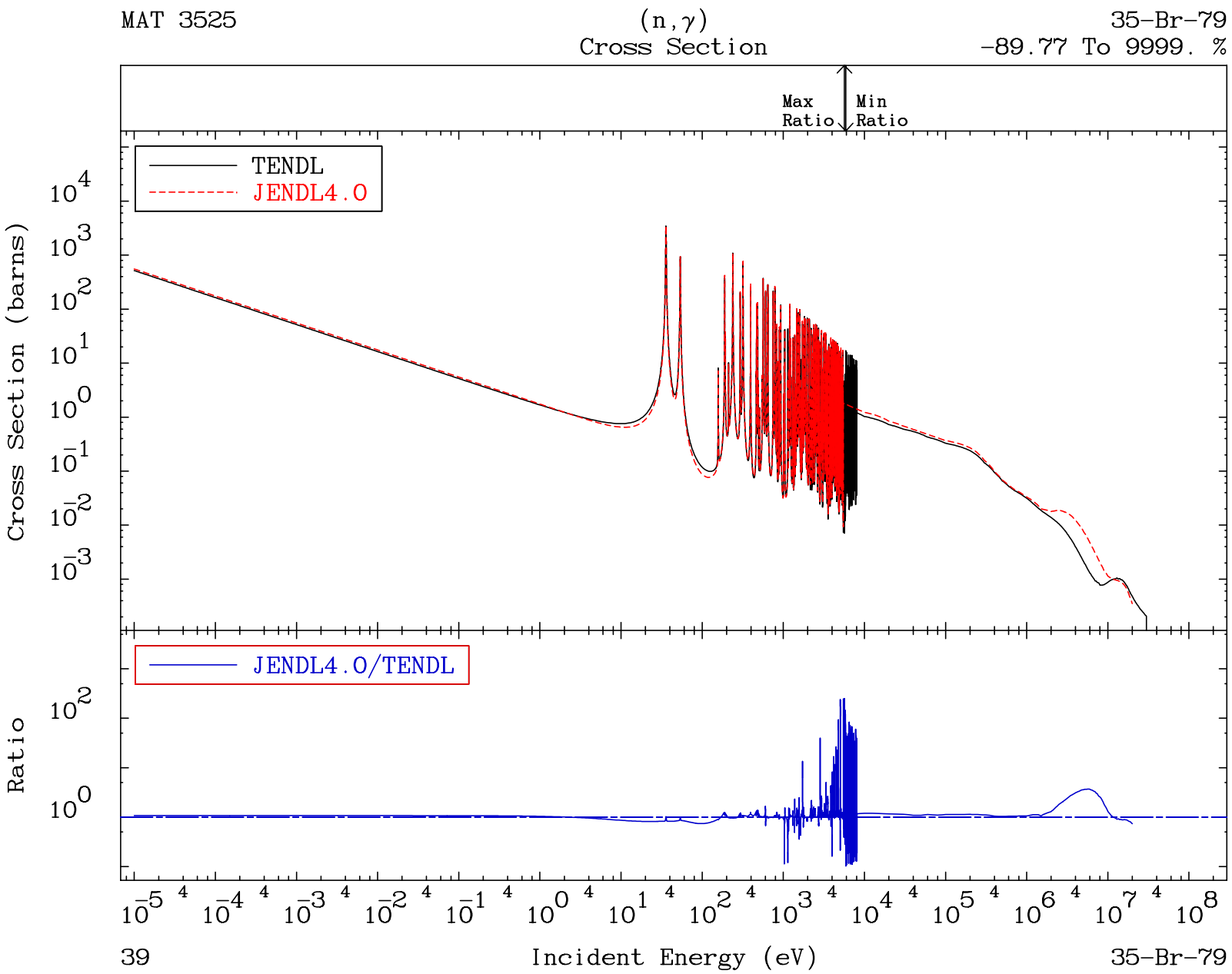

MAT 3525
MT= 77 (n,n') Level
Cross Section
35-Br-79
-1.113 To 947.2 %
Min Ratio
Max Ratio
TENDL Threshold 1.2372 MeV
JENDL4.0 Threshold 1.2047 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
10^0
2
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
35-Br-79

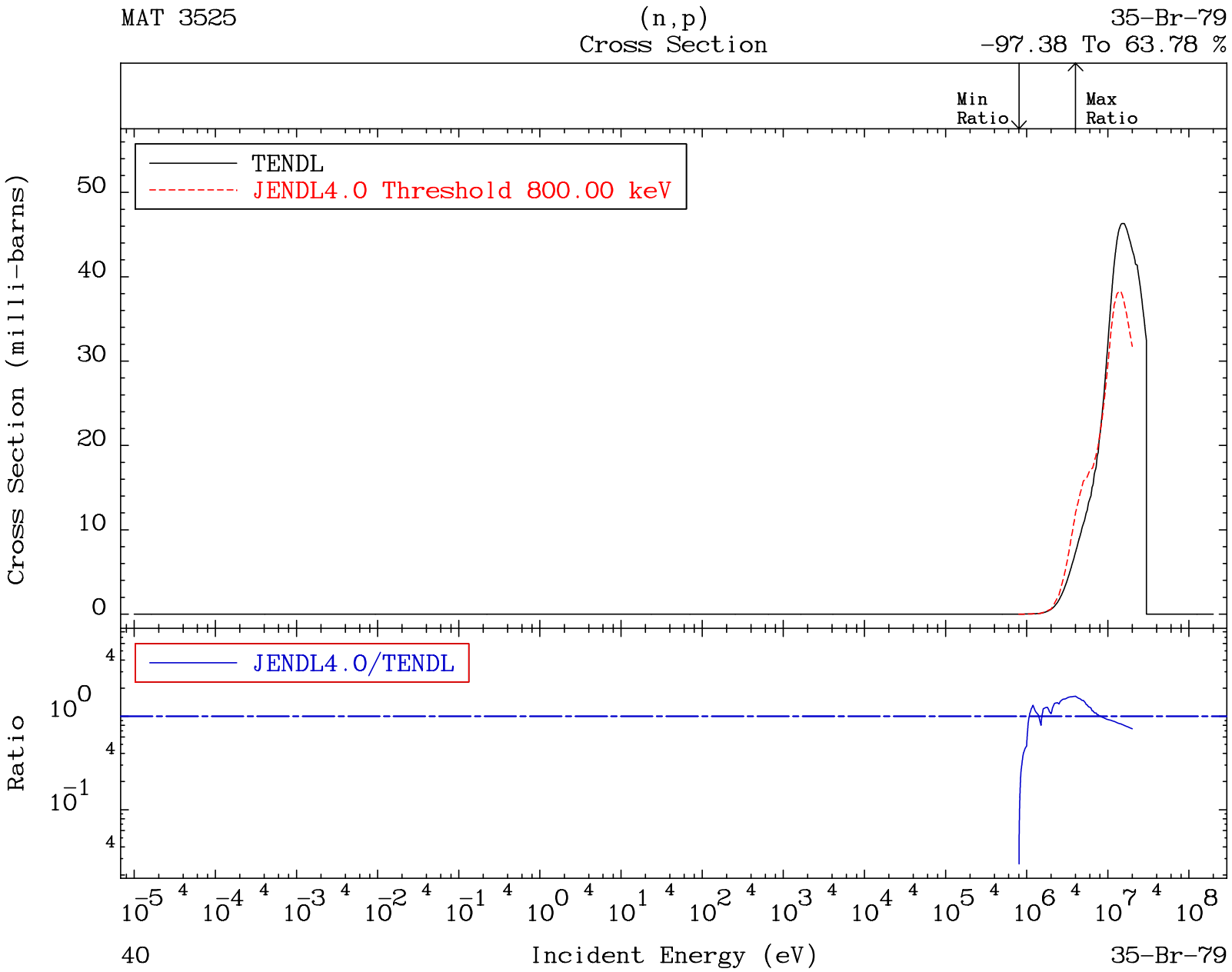

MAT 3525
MT= 78 (n,n') Level
Cross Section
35-Br-79
58.57 To 1911. %
Max Ratio
Min Ratio
TENDL Threshold 1.2703 MeV
JENDL4.0 Threshold 1.2372 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
35
35-Br-79

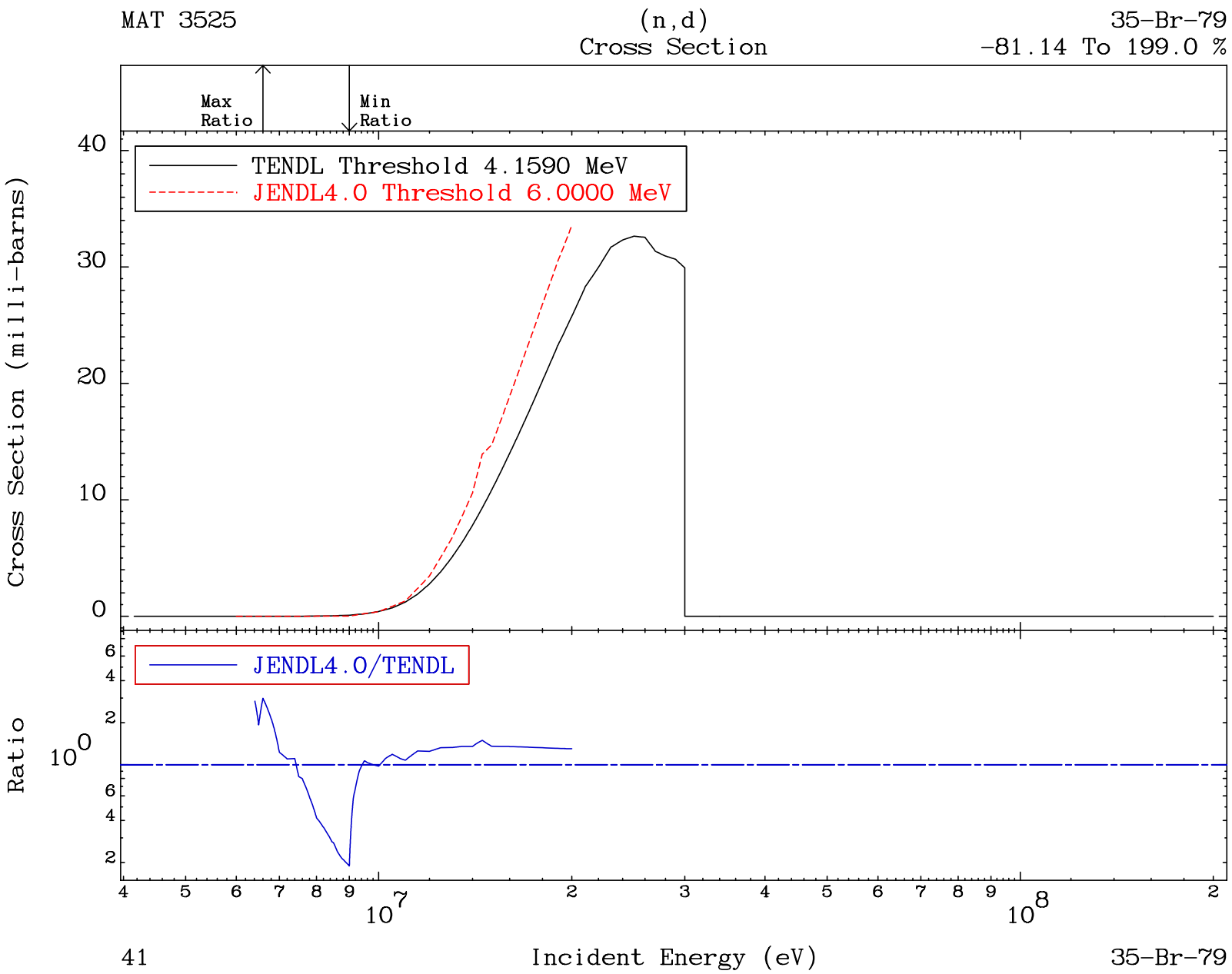

MAT 3525
MT= 79 (n,n') Level
Cross Section
35-Br-79
12.61 To 285.9 %
Min Ratio
Max Ratio
TENDL Threshold 1.2726 MeV
JENDL4.0 Threshold 1.2703 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
36
Incident Energy (eV)
35-Br-79

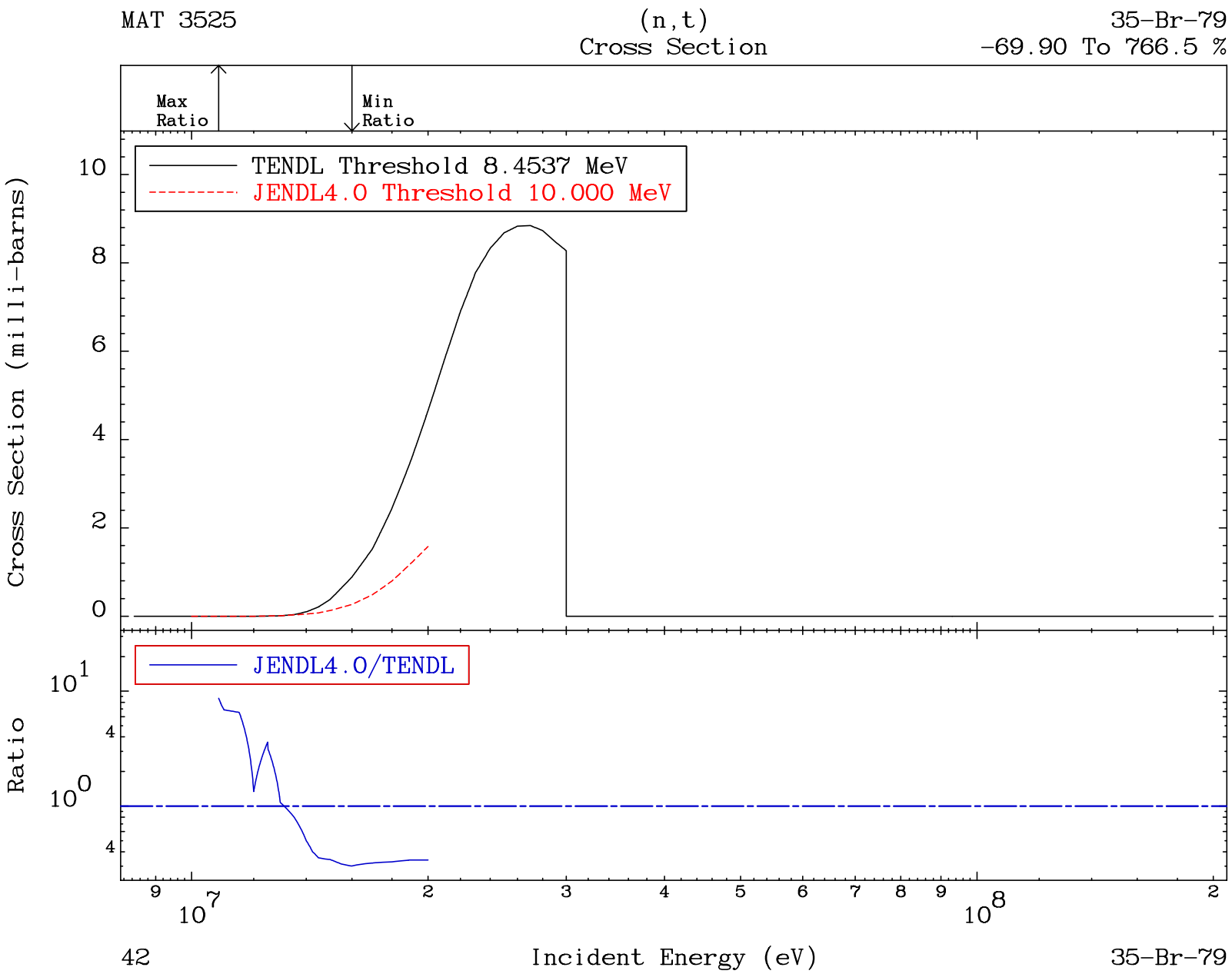

MAT 3525
MT= 80 (n,n') Level
Cross Section
35-Br-79
-19.36 To 517.4 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.3306 MeV
JENDL4.0 Threshold 1.2726 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
35-Br-79

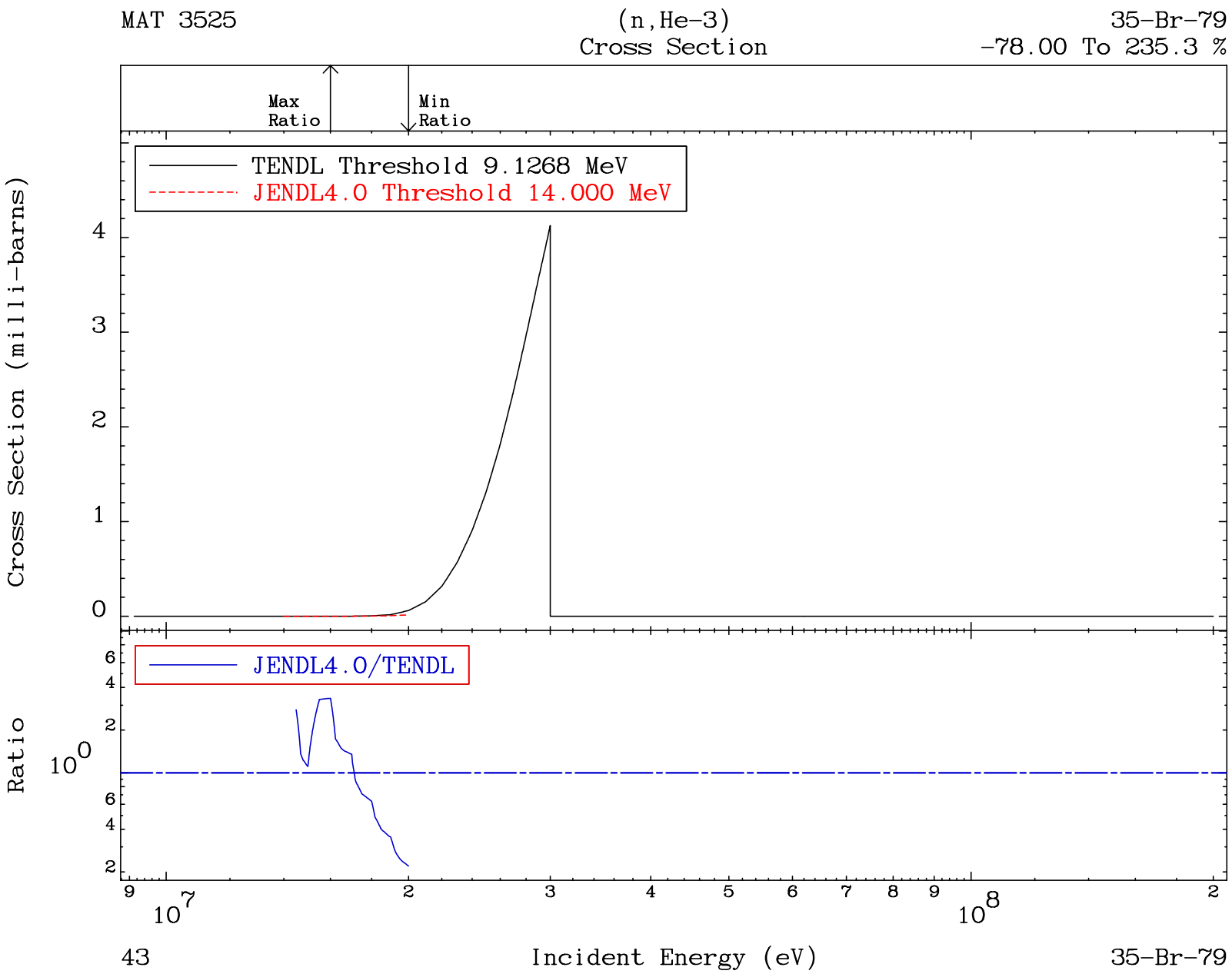

MAT 3525
(n,n') Continuum
Cross Section
35-Br-79
-74.34 To -4.464%
Min Ratio
Max Ratio
TENDL Threshold 1.3306 MeV
JENDL4.0 Threshold 1.5422 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
35-Br-79

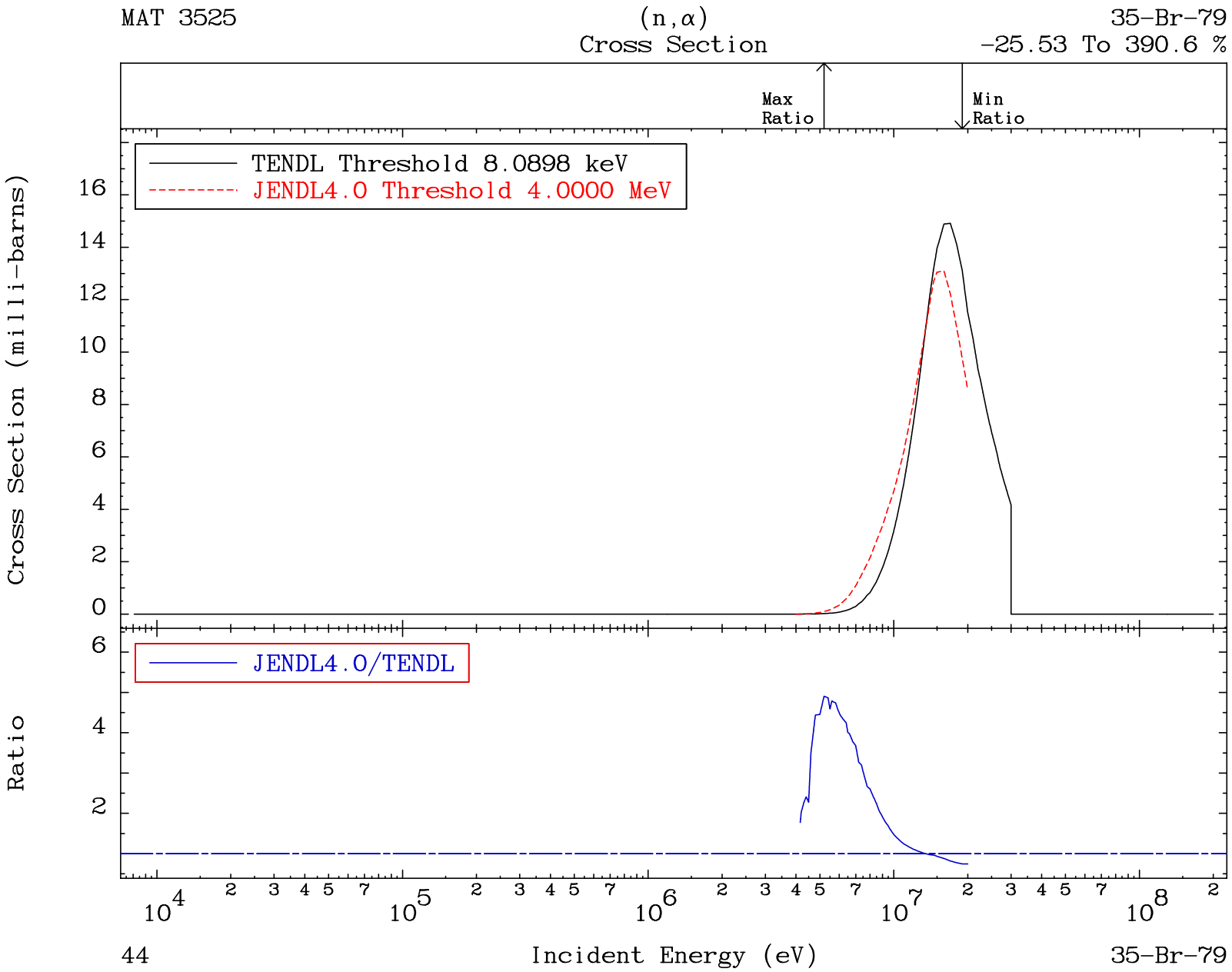

MAT 3525
(n,γ)
Cross Section
35-Br-79
-89.77 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
39
35-Br-79

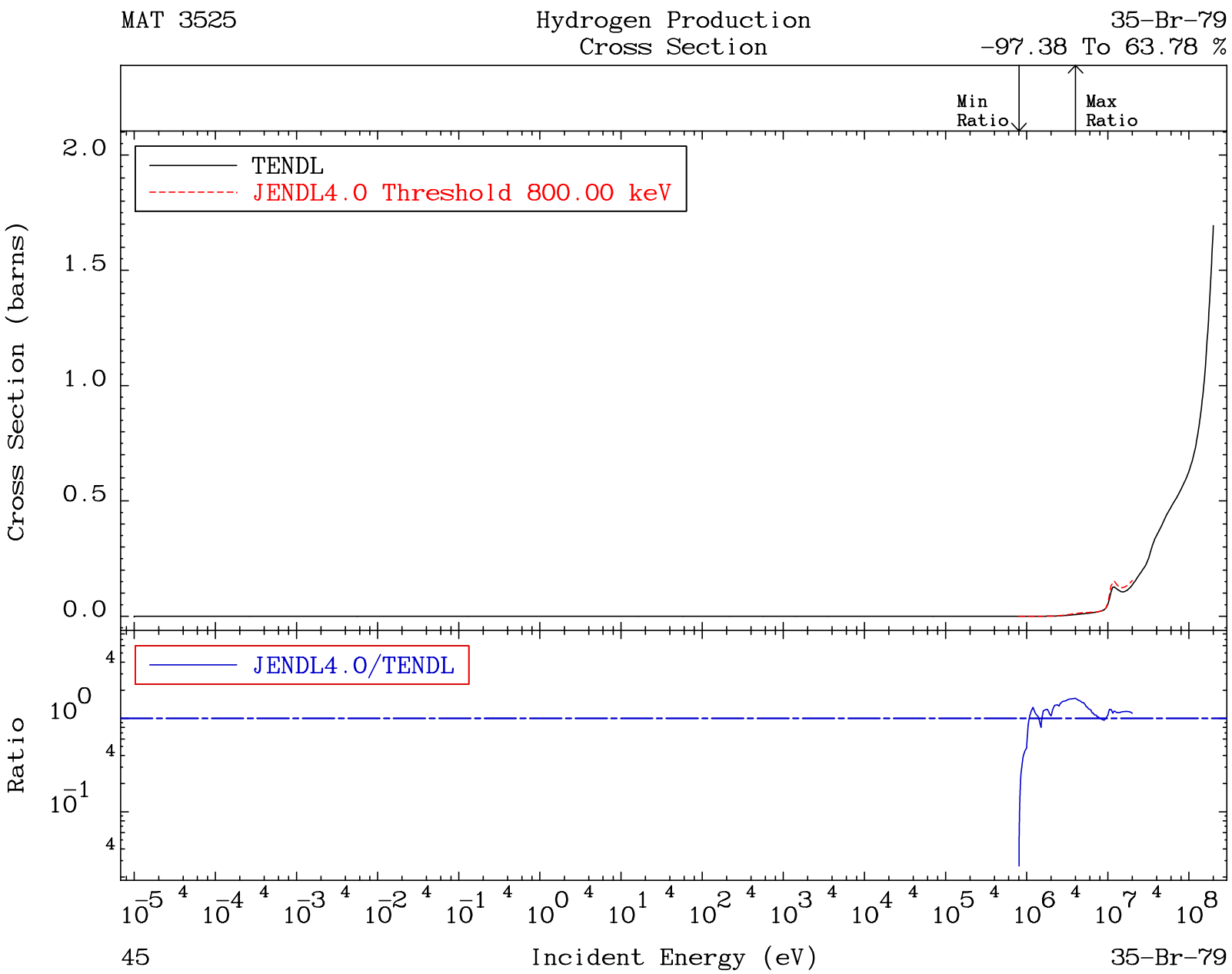

MAT 3525
(n,p)
Cross Section
35-Br-79
-97.38 To 63.78 %
Min Ratio
Max Ratio
TENDL
JENDL4.0 Threshold 800.00 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^{0}
10^{-1}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
40
Incident Energy (eV)
35-Br-79

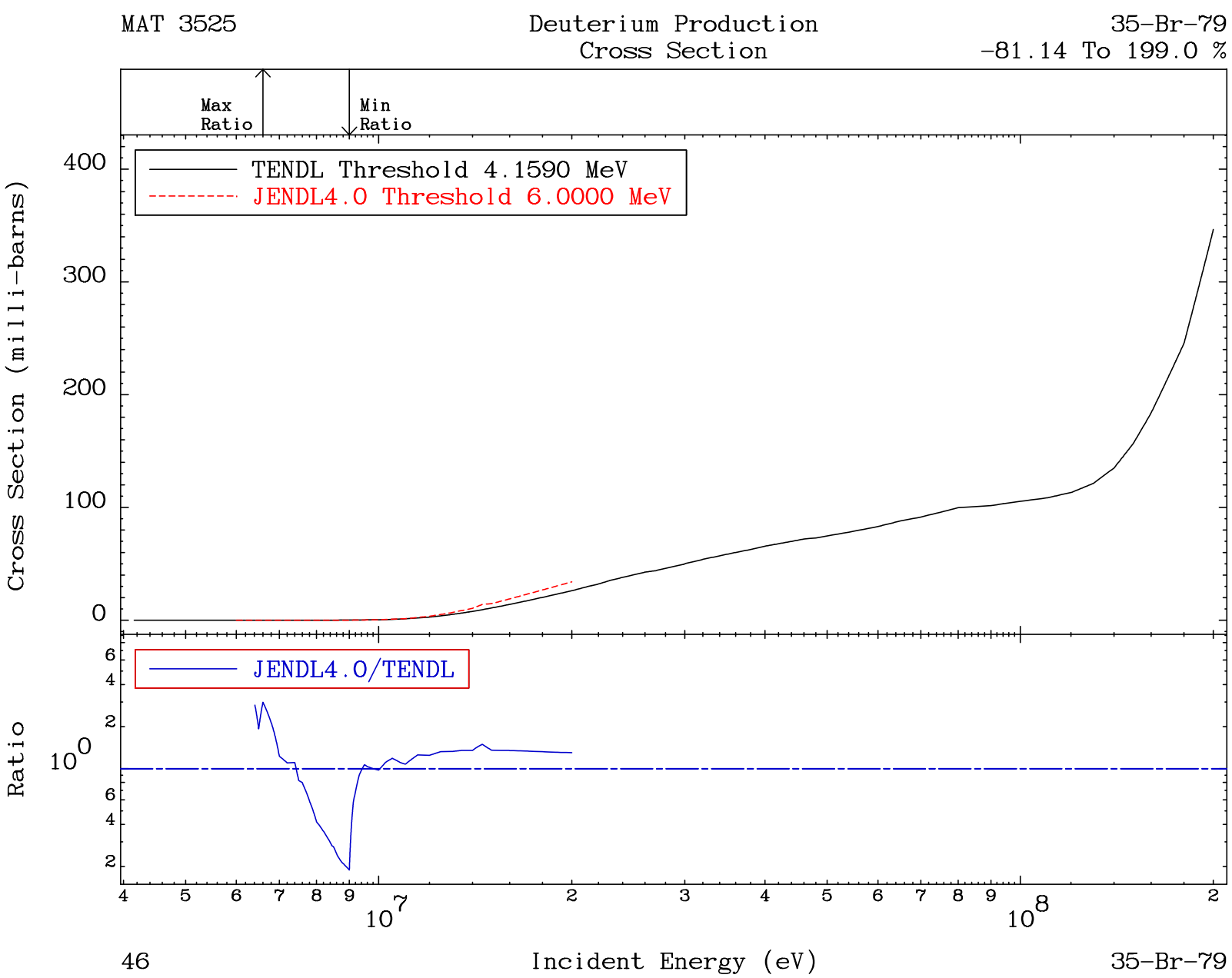

MAT 3525
(n,d)
Cross Section
35-Br-79
-81.14 To 199.0 %
Max Ratio
Min Ratio
TENDL Threshold 4.1590 MeV
JENDL4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
6
4
2
10^0
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
35-Br-79

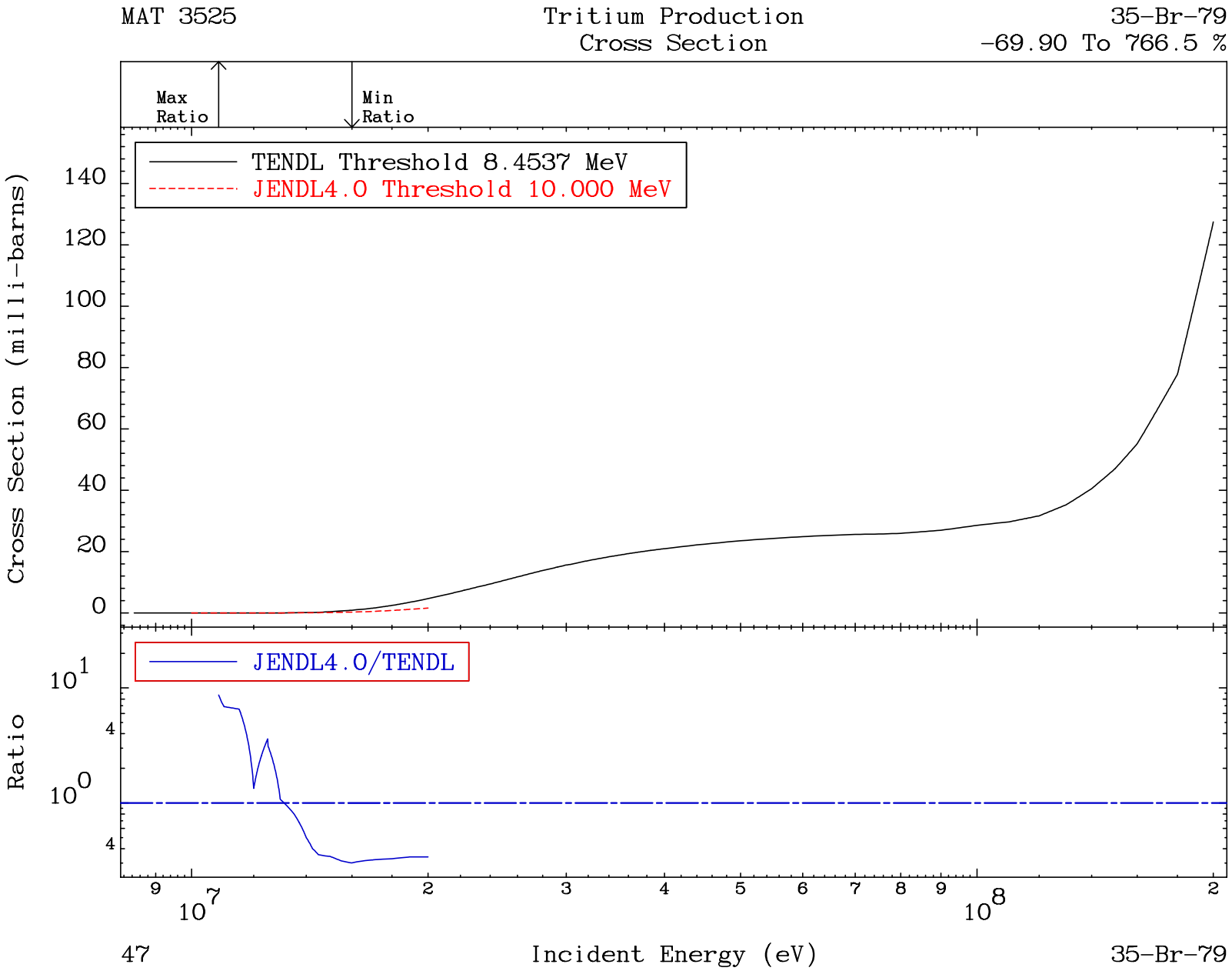

MAT 3525
(n,t)
Cross Section
35-Br-79
-69.90 To 766.5 %
Max Ratio
Min Ratio
TENDL Threshold 8.4537 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
42
35-Br-79

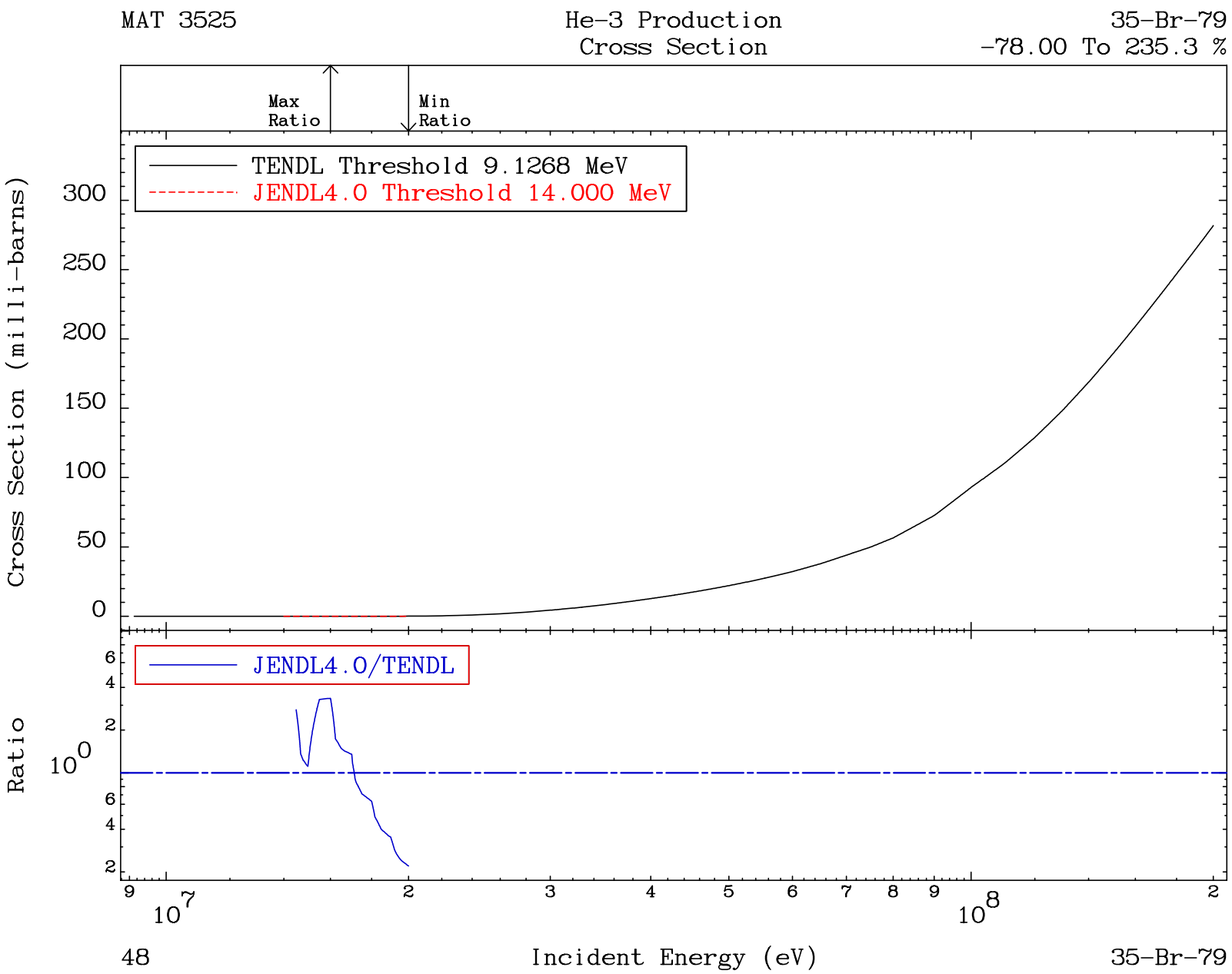

MAT 3525
(n,He-3)
Cross Section
35-Br-79
-78.00 To 235.3 %
Max Ratio
Min Ratio
TENDL Threshold 9.1268 MeV
JENDL4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
43
35-Br-79

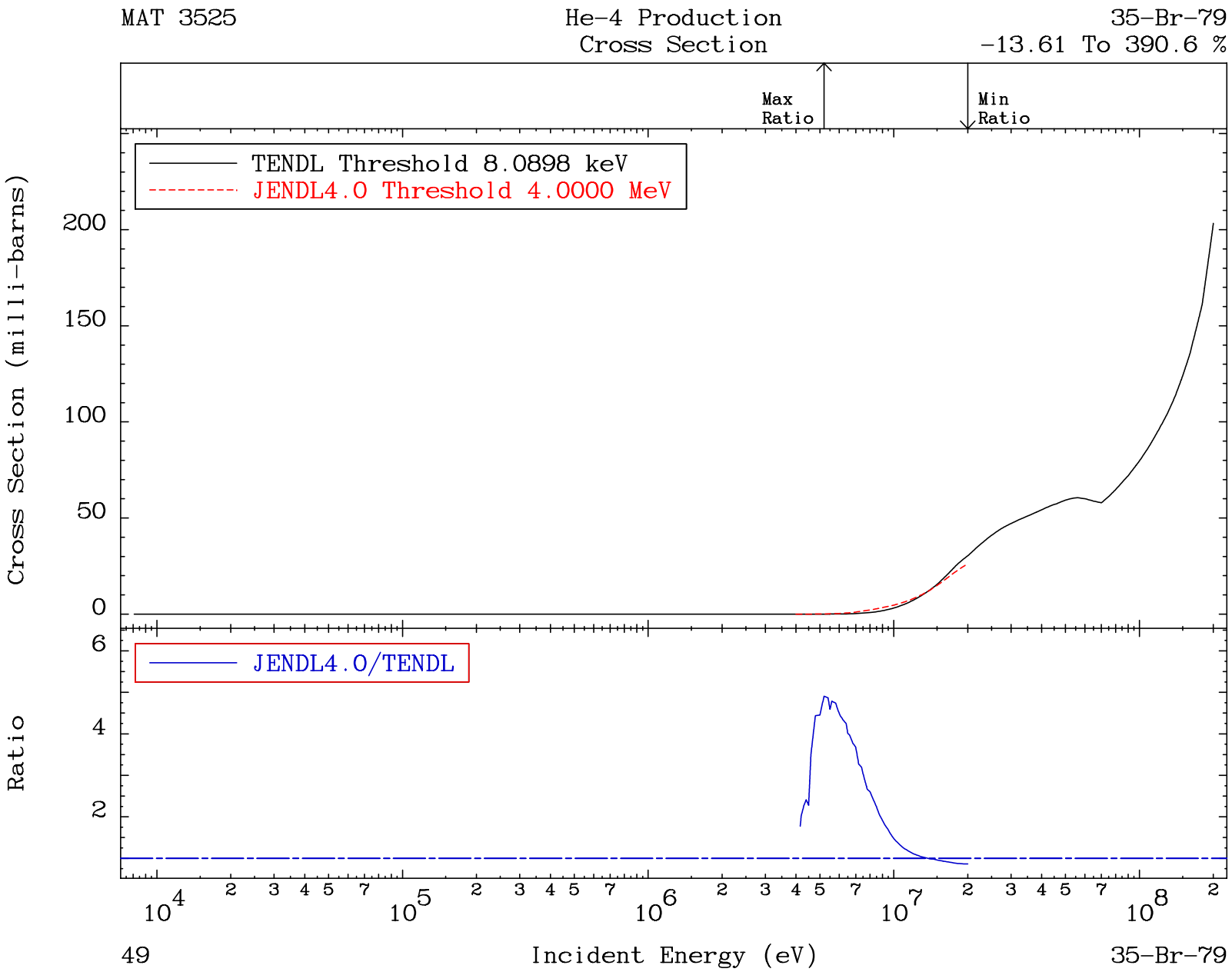

MAT 3525
(n,α)
Cross Section
35-Br-79
-25.53 To 390.6 %
Max Ratio
Min Ratio
TENDL Threshold 8.0898 keV
JENDL4.0 Threshold 4.0000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
44
35-Br-79

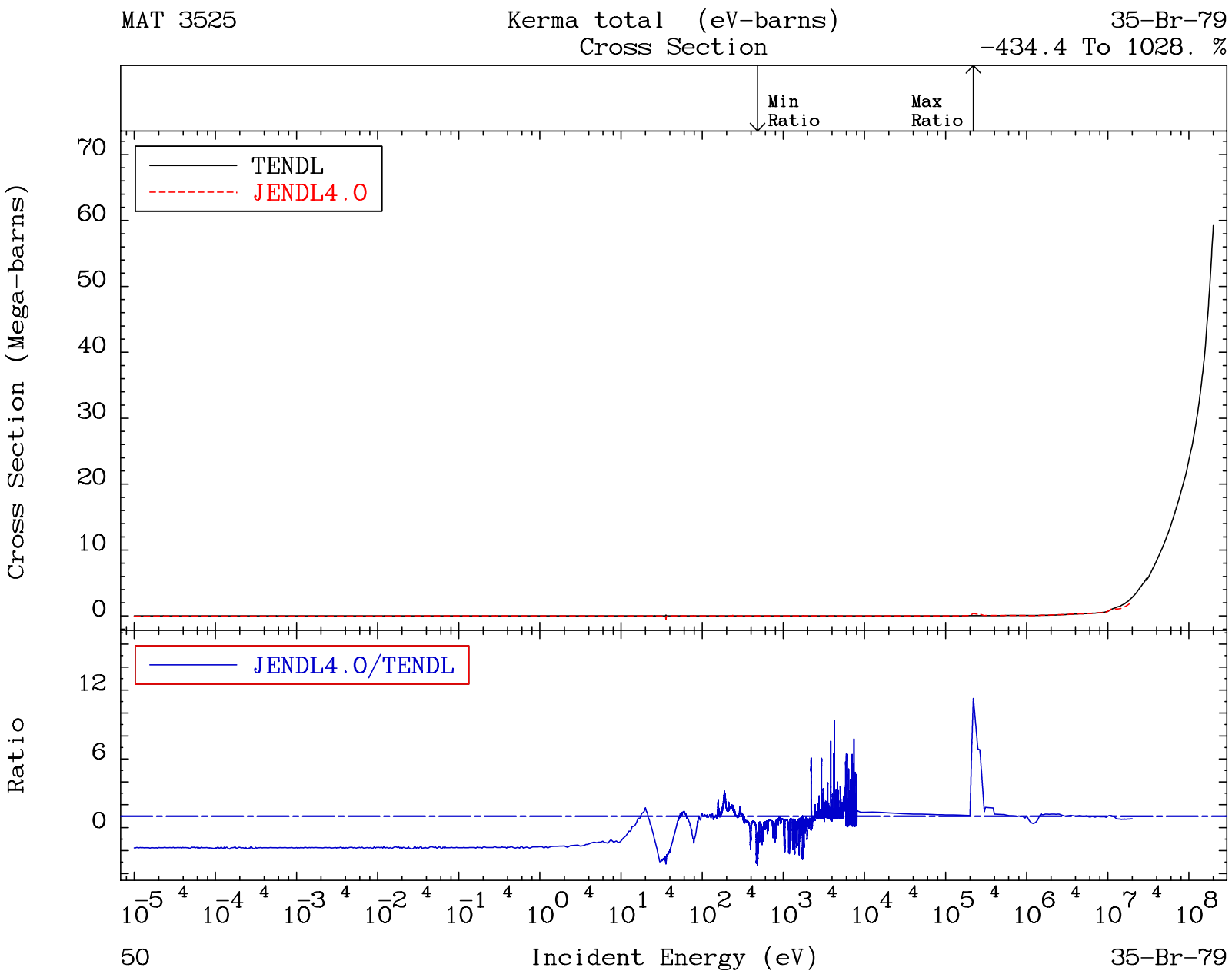

MAT 3525
Hydrogen Production
Cross Section
35-Br-79
-97.38 To 63.78 %
Min Ratio
Max Ratio
TENDL
JENDL4.0 Threshold 800.00 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
45
35-Br-79

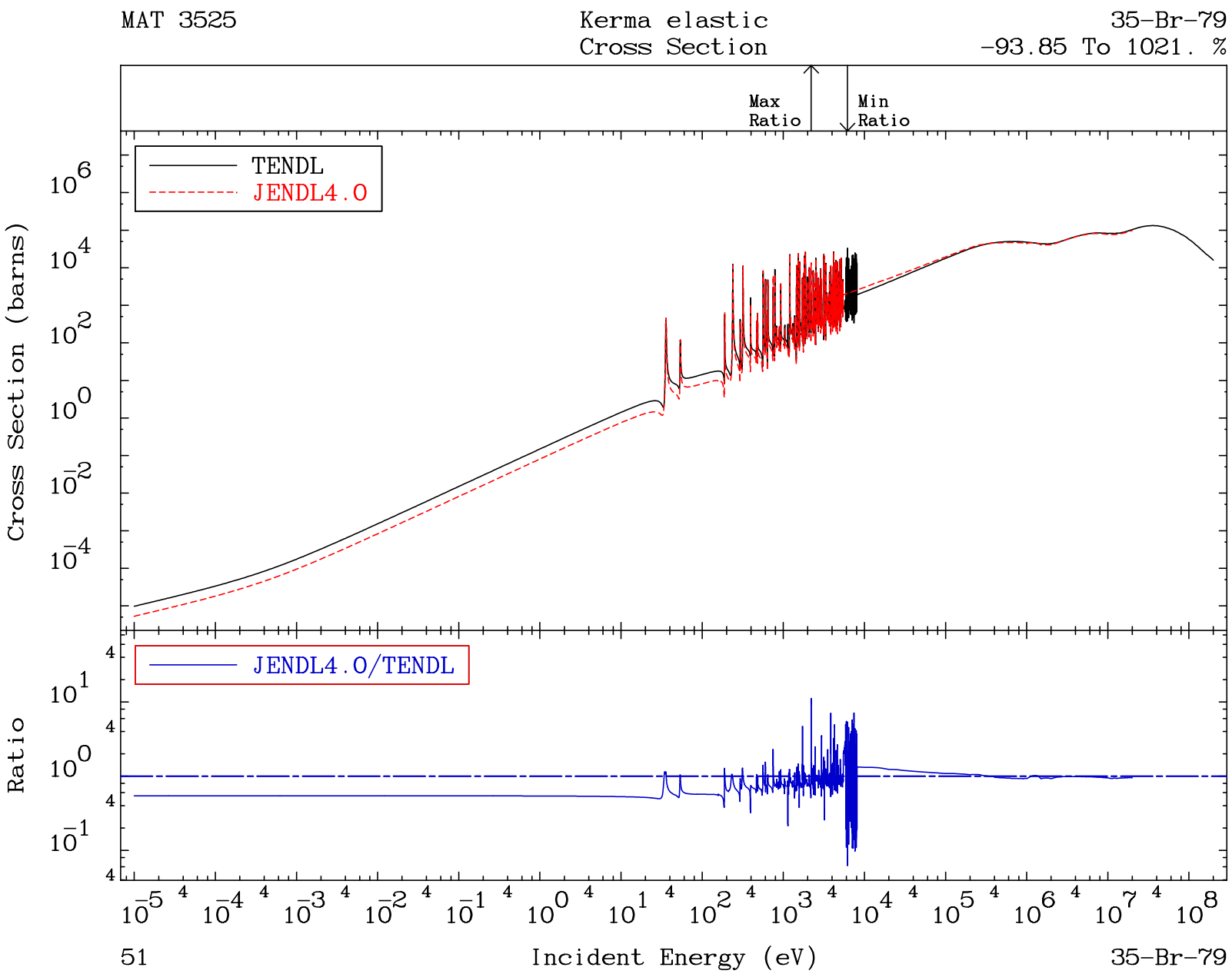

MAT 3525
Deuterium Production
Cross Section
35-Br-79
-81.14 To 199.0 %
Max Ratio
Min Ratio
TENDL Threshold 4.1590 MeV
JENDL4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
JENDL4.0/TENDL
Ratio
6
4
2
10^0
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
35-Br-79

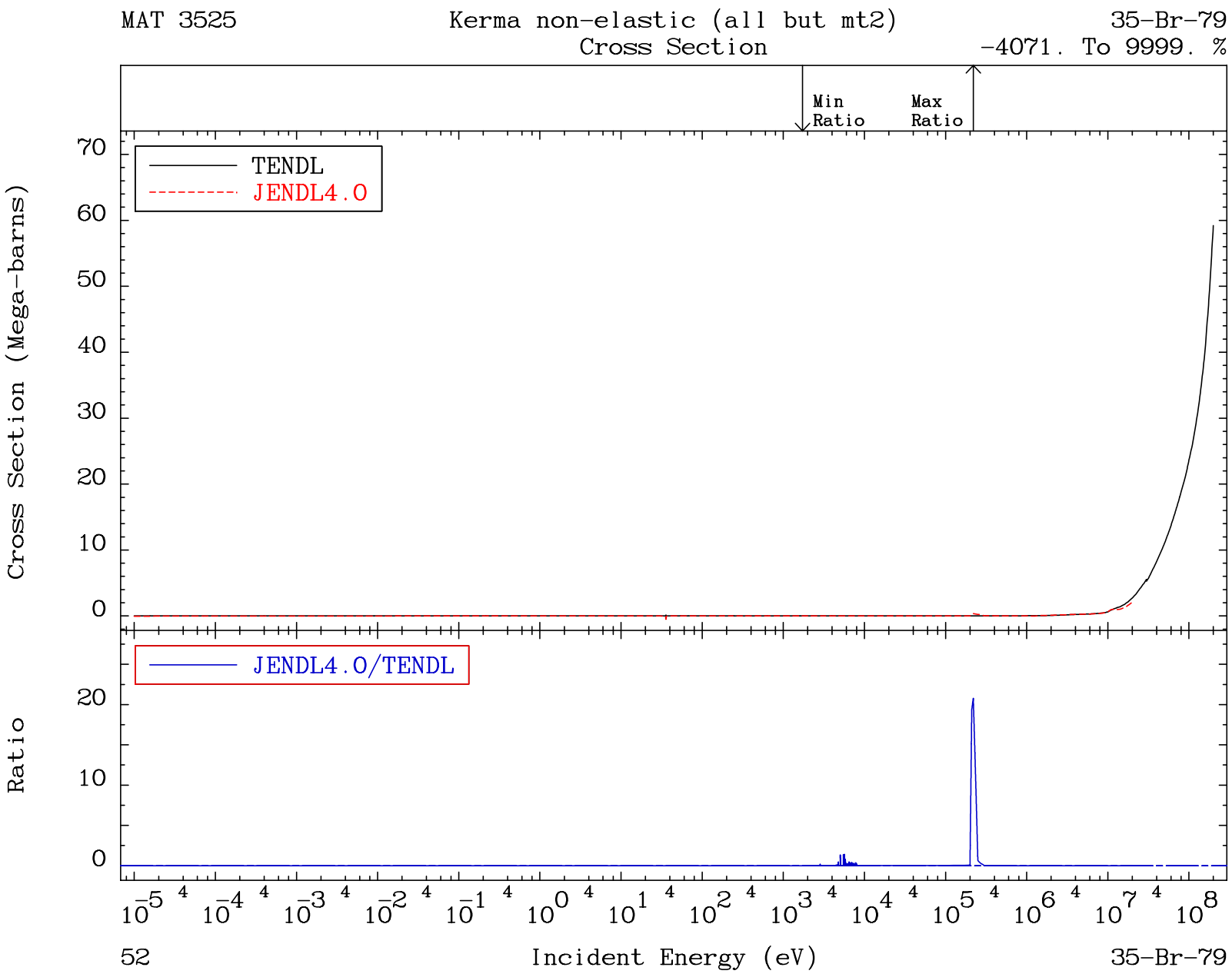

MAT 3525
Tritium Production
Cross Section
35-Br-79
-69.90 To 766.5 %
Max Ratio
Min Ratio
TENDL Threshold 8.4537 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^1
4
10^0
4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
35-Br-79

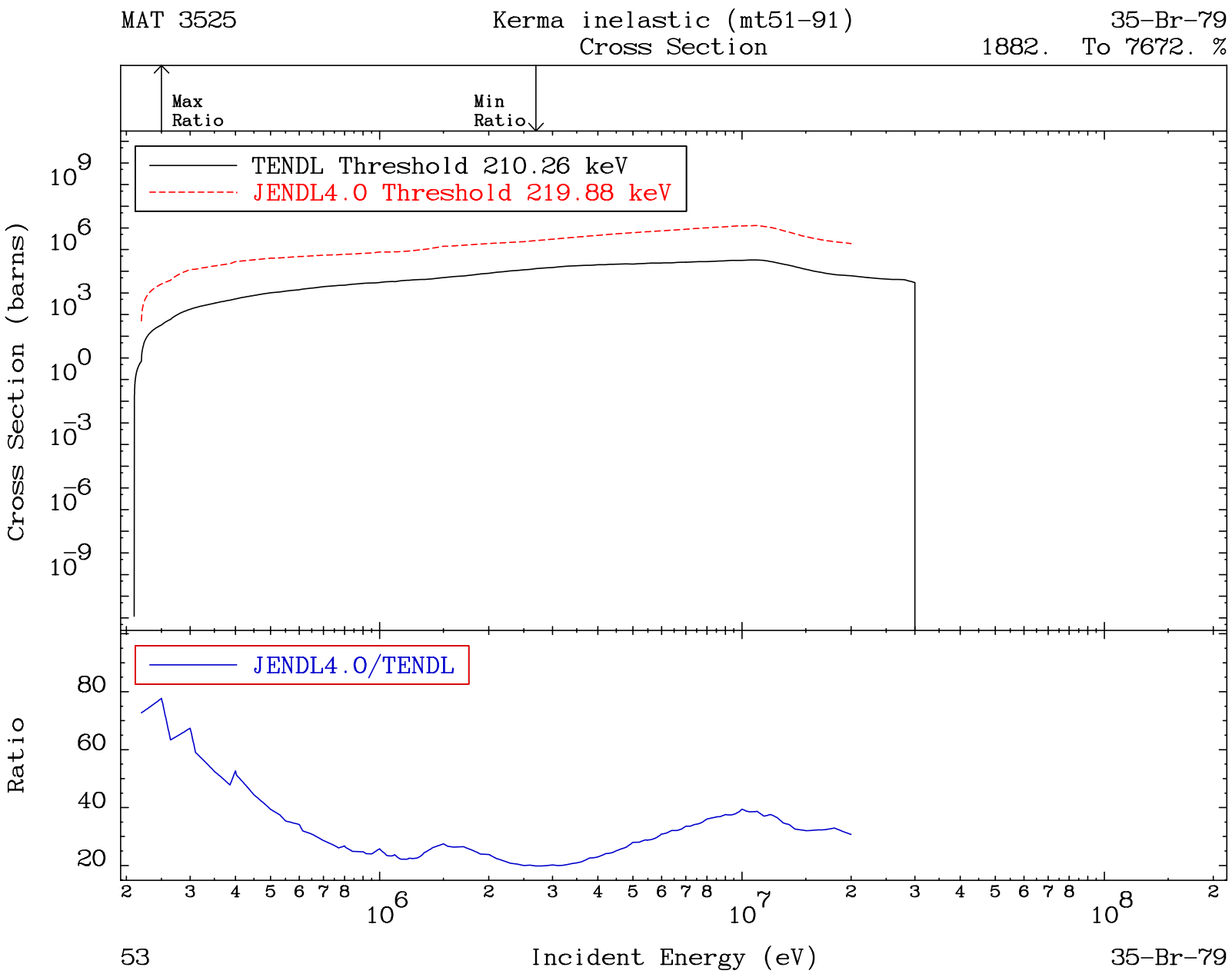

MAT 3525
He-3 Production
Cross Section
35-Br-79
-78.00 To 235.3 %
Max Ratio
Min Ratio
TENDL Threshold 9.1268 MeV
JENDL4.0 Threshold 14.000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
6
4
2
10^0
6
4
2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
35-Br-79

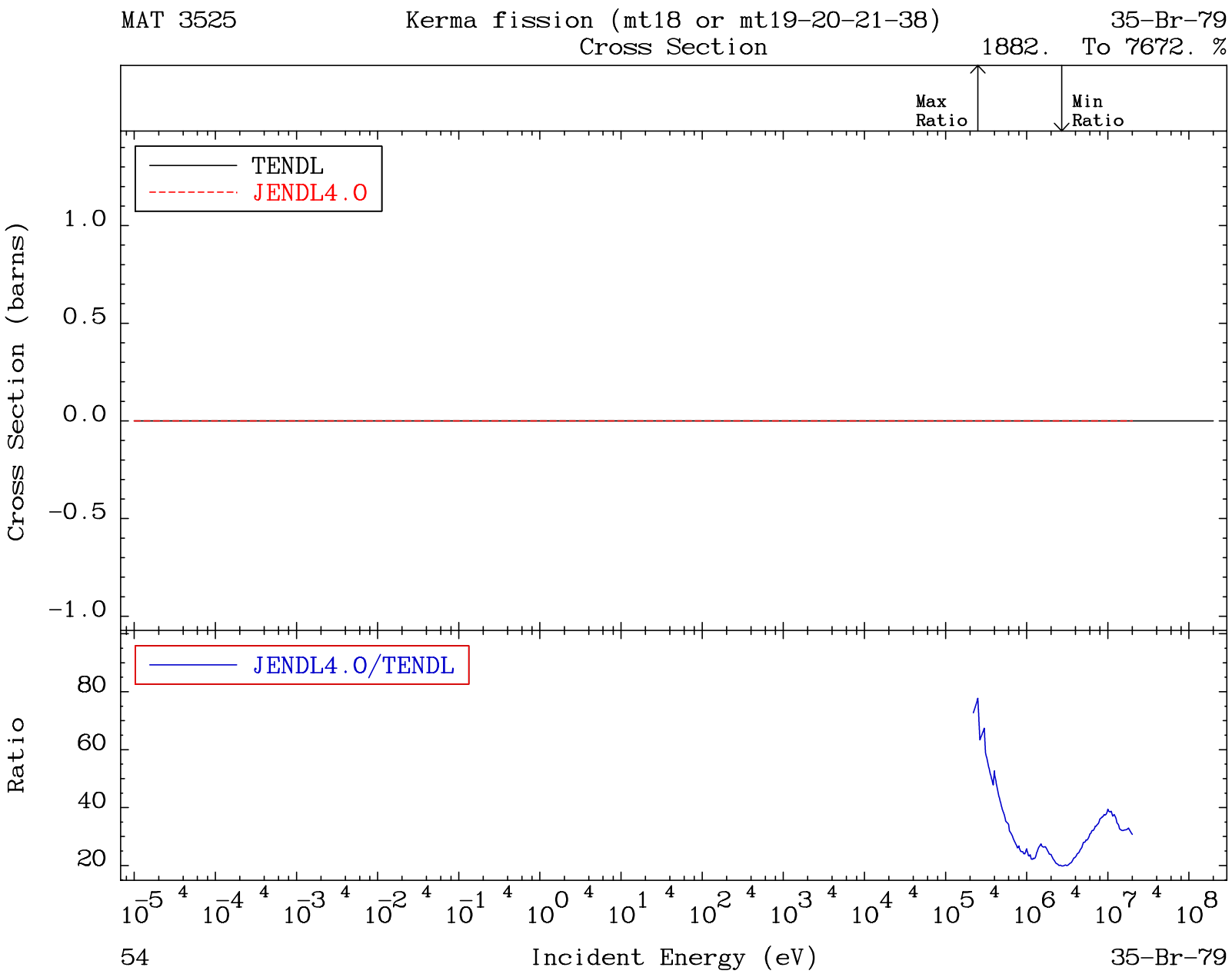

MAT 3525
He-4 Production
Cross Section
35-Br-79
-13.61 To 390.6 %
Max Ratio
Min Ratio
TENDL Threshold 8.0898 keV
JENDL4.0 Threshold 4.0000 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
6
4
2
10^4
10^5
10^6
10^7
10^8
49
Incident Energy (eV)
35-Br-79

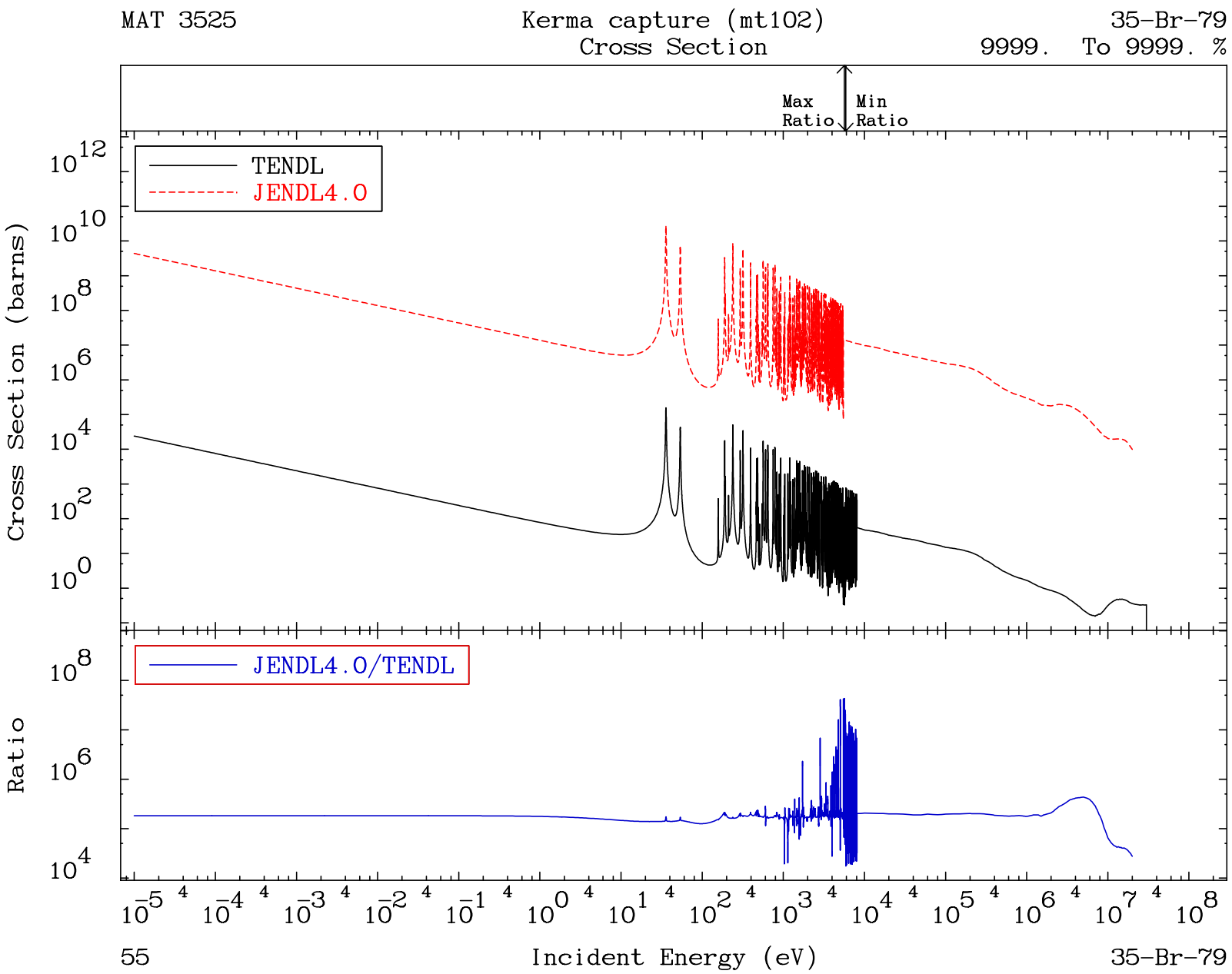

MAT 3525
Kerma total (eV-barns)
Cross Section
35-Br-79
-434.4 To 1028. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (Mega-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
12
6
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
50
Incident Energy (eV)
35-Br-79

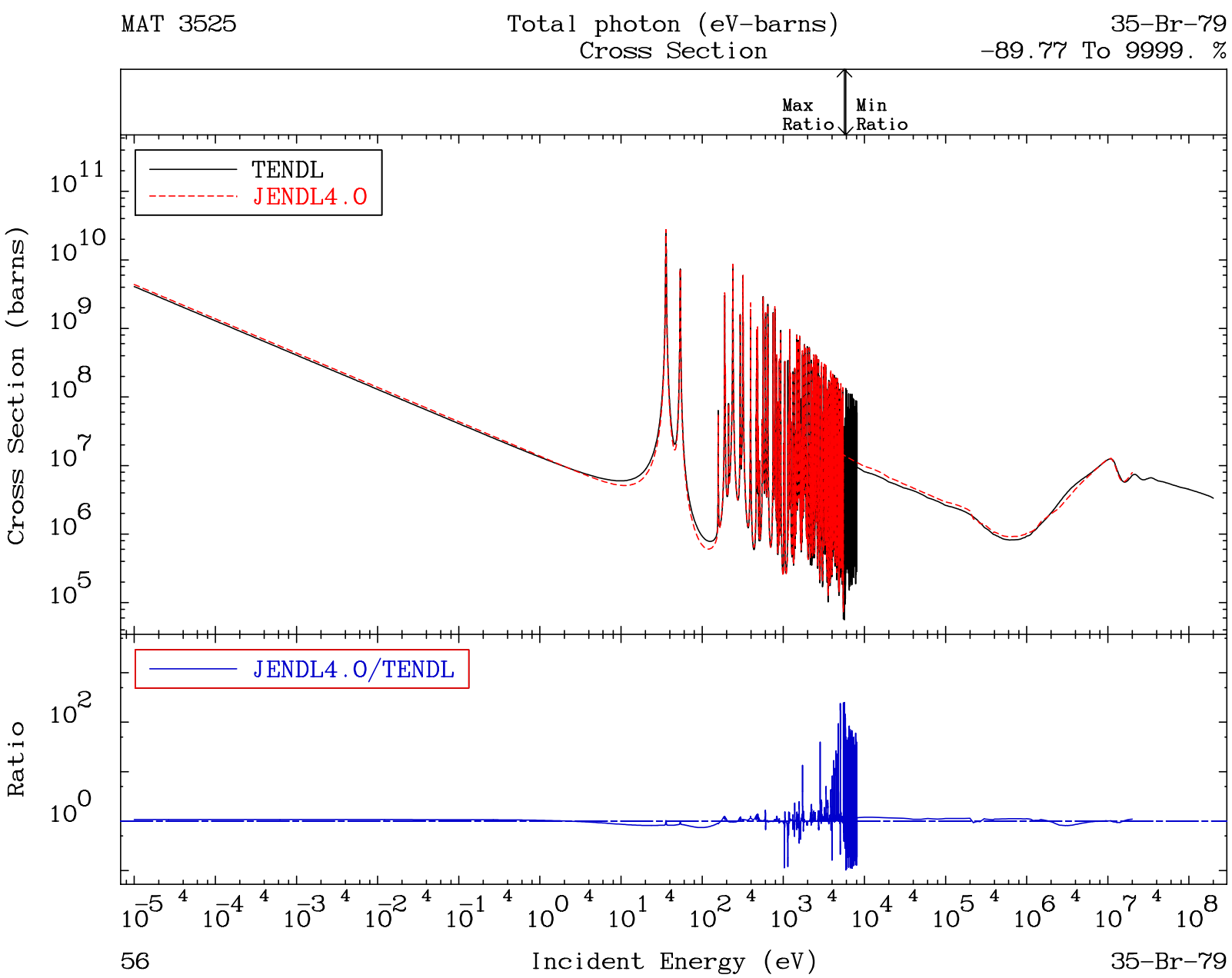

MAT 3525
Kerma elastic
Cross Section
35-Br-79
-93.85 To 1021. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
51
35-Br-79

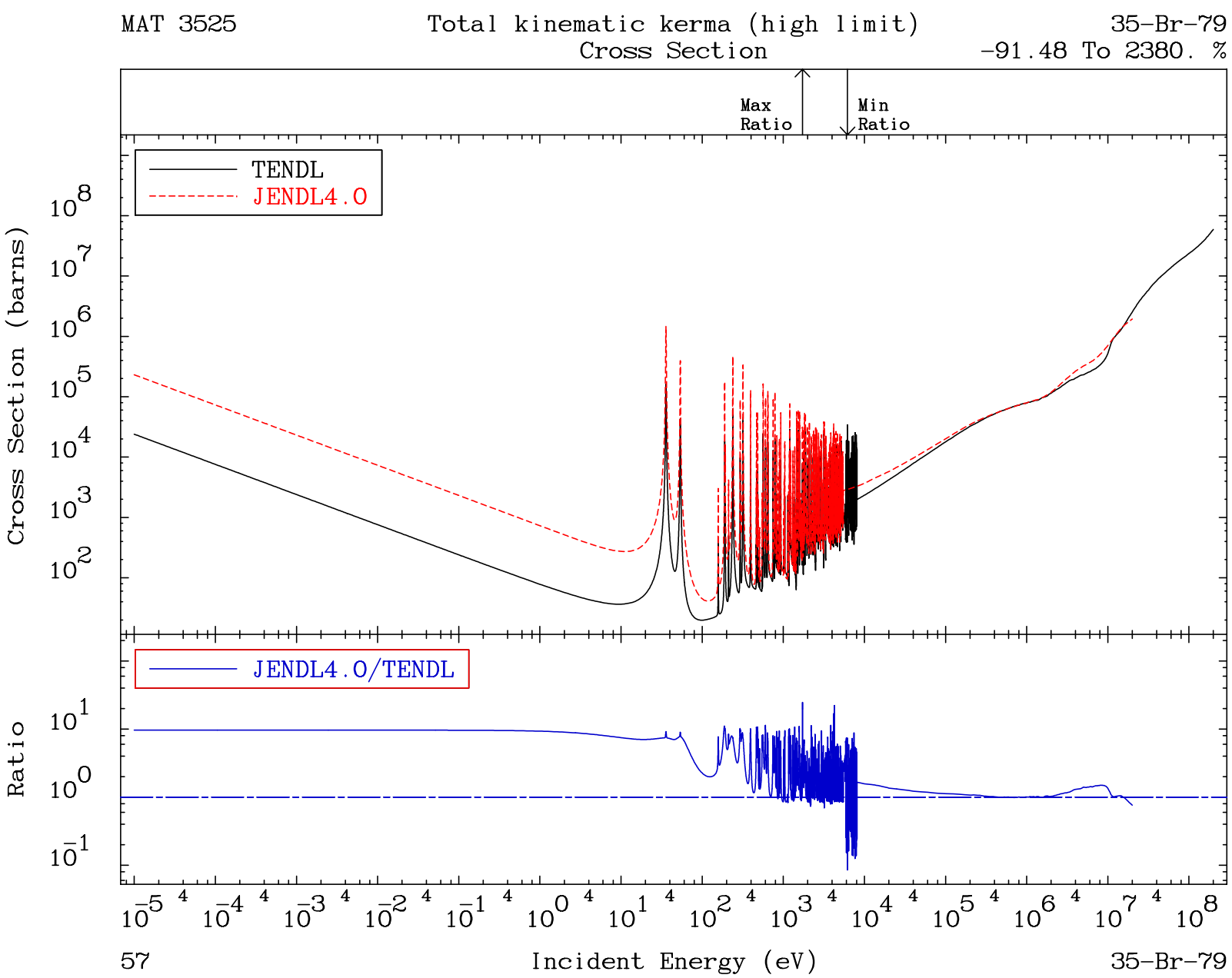

MAT 3525
Kerma non-elastic (all but mt2)
Cross Section
35-Br-79
-4071. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (Mega-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
20
10
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
52
Incident Energy (eV)
35-Br-79

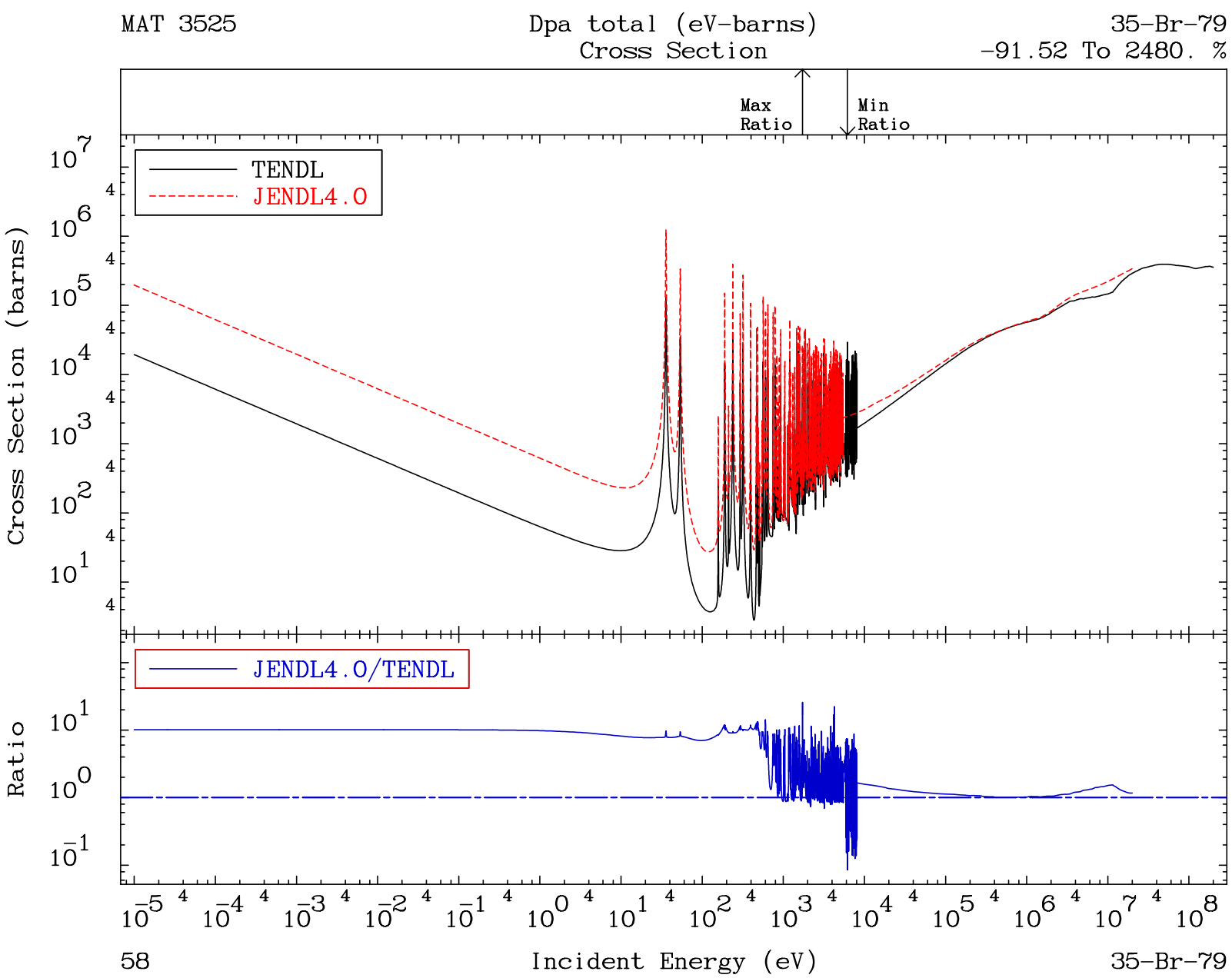

MAT 3525
Kerma inelastic (mt51-91)
Cross Section
35-Br-79
1882. To 7672. %
Max Ratio
Min Ratio
TENDL Threshold 210.26 keV
JENDL4.0 Threshold 219.88 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
53
35-Br-79

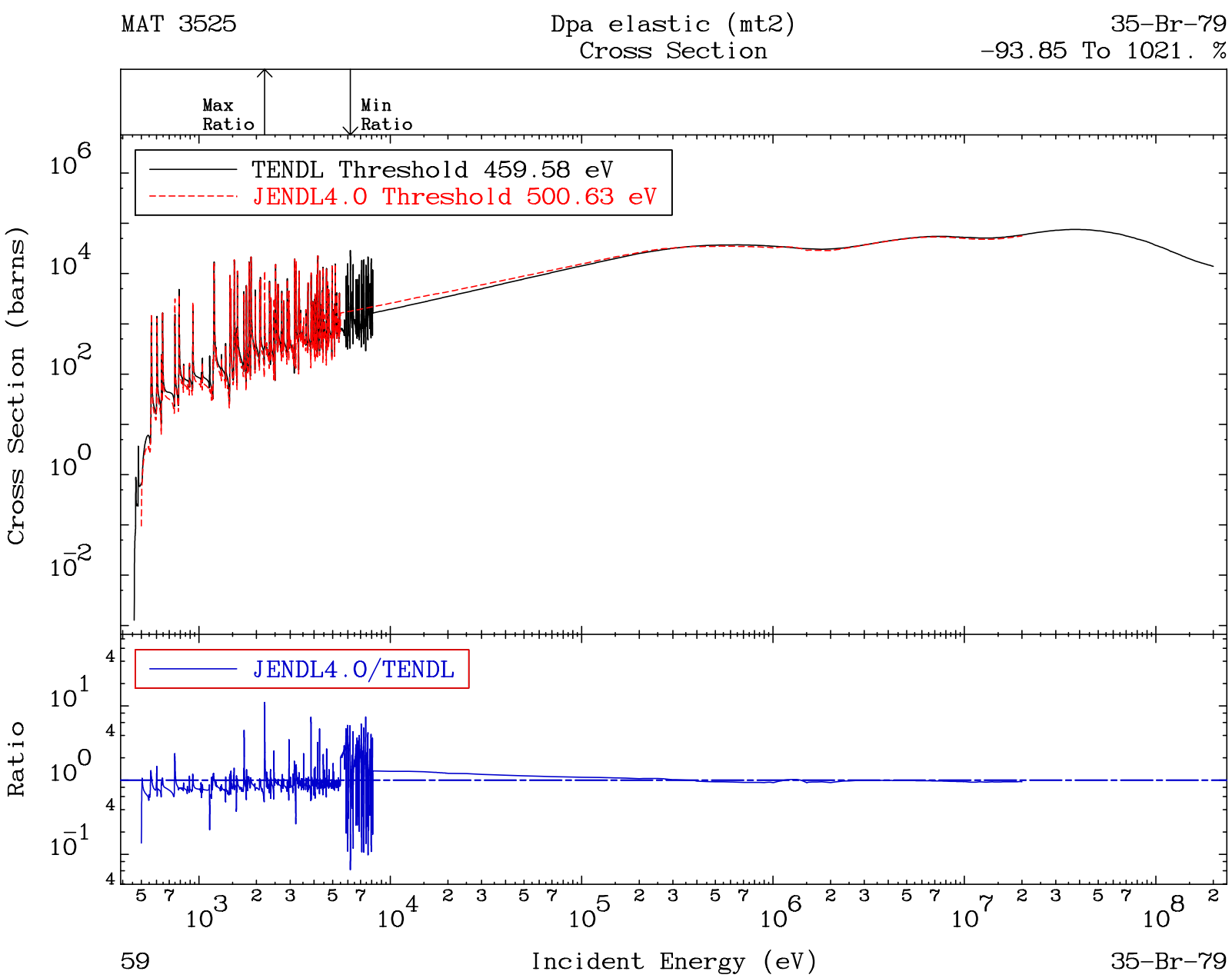

MAT 3525
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
35-Br-79
1882. To 7672. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
80
60
40
20
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
54
Incident Energy (eV)
35-Br-79

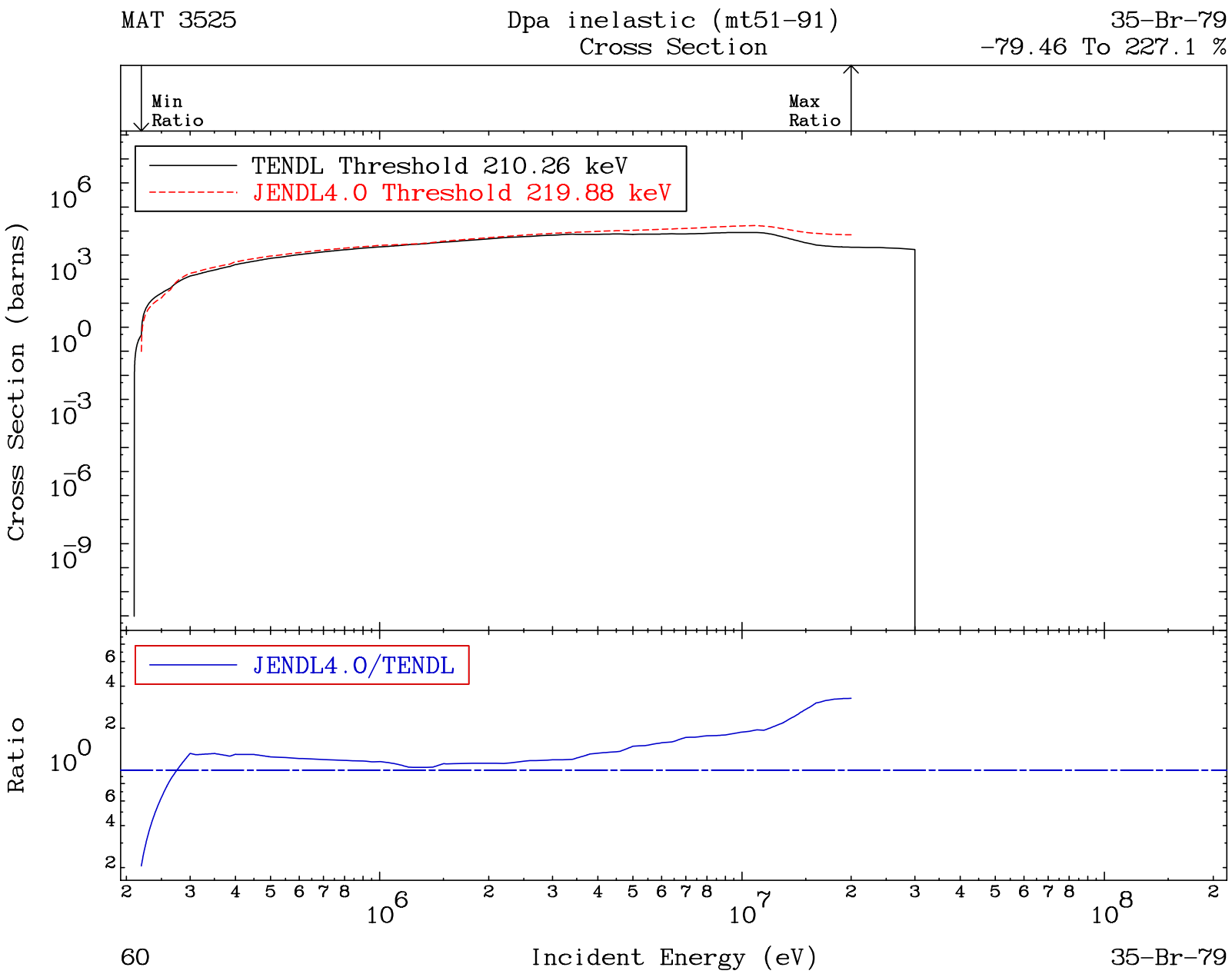

MAT 3525
Kerma capture (mt102)
Cross Section
35-Br-79
9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
55
35-Br-79

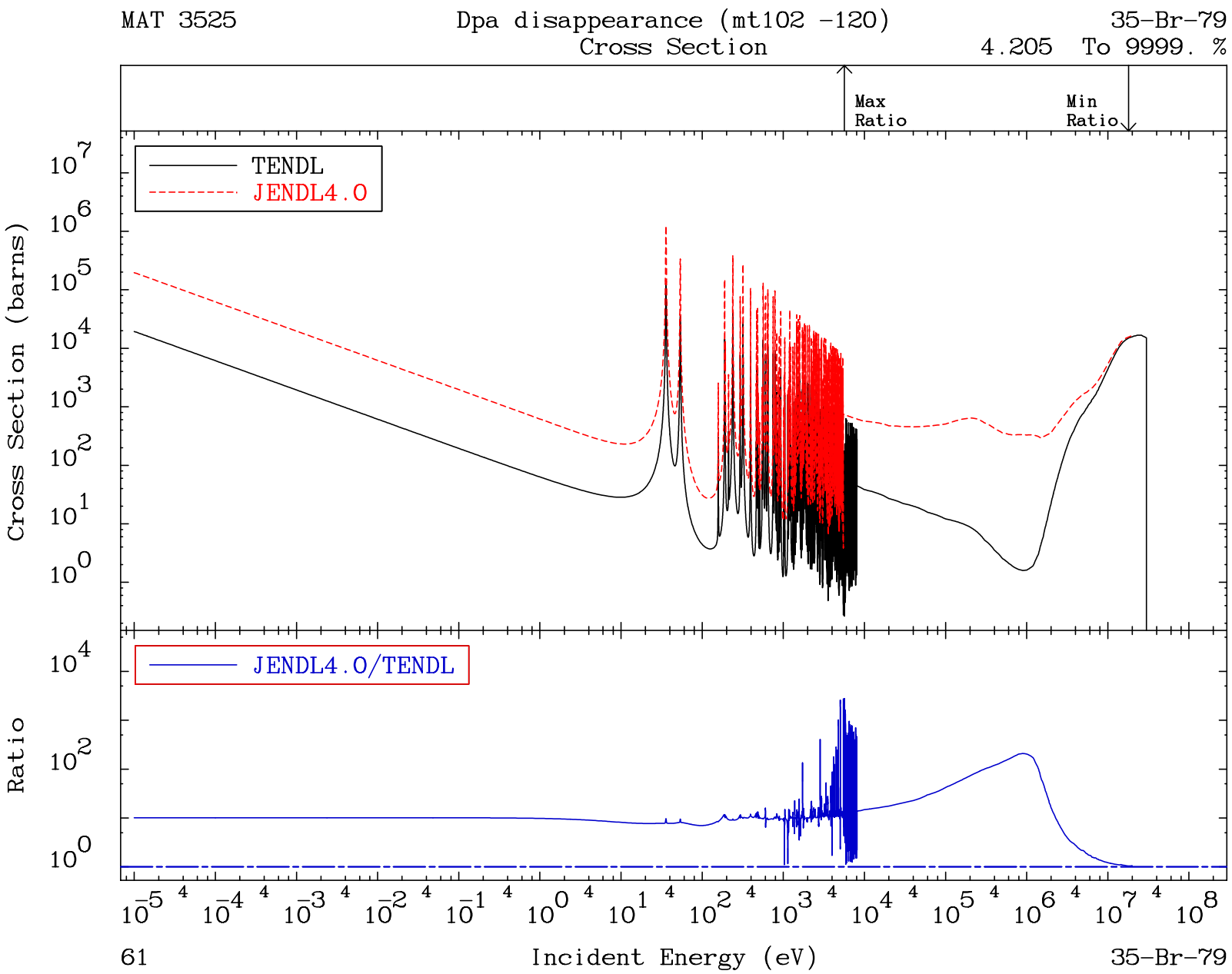

MAT 3525
Total photon (eV-barns)
Cross Section
35-Br-79
-89.77 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
56
35-Br-79

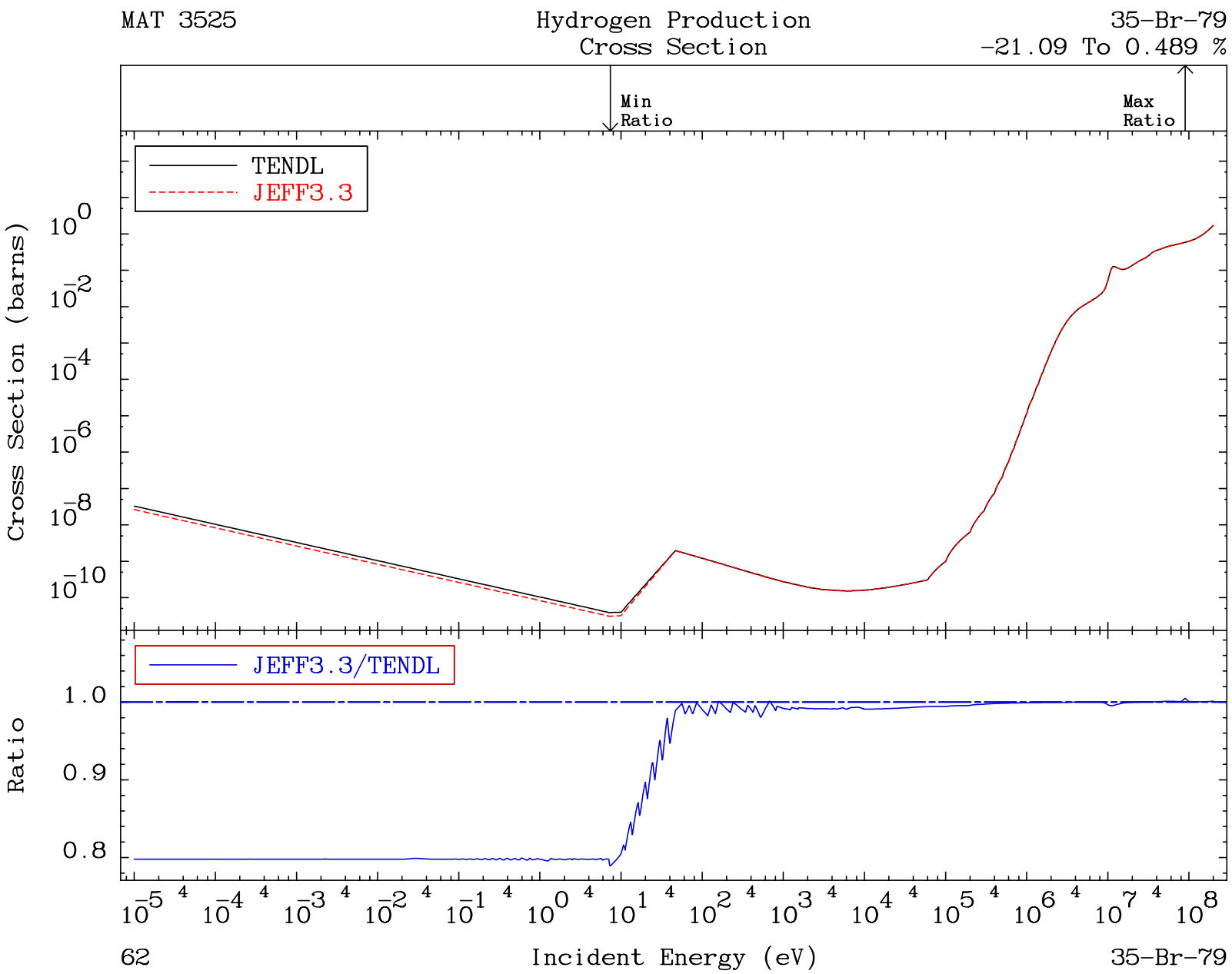

MAT 3525
Total kinematic kerma (high limit)
Cross Section
35-Br-79
-91.48 To 2380. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
57
35-Br-79

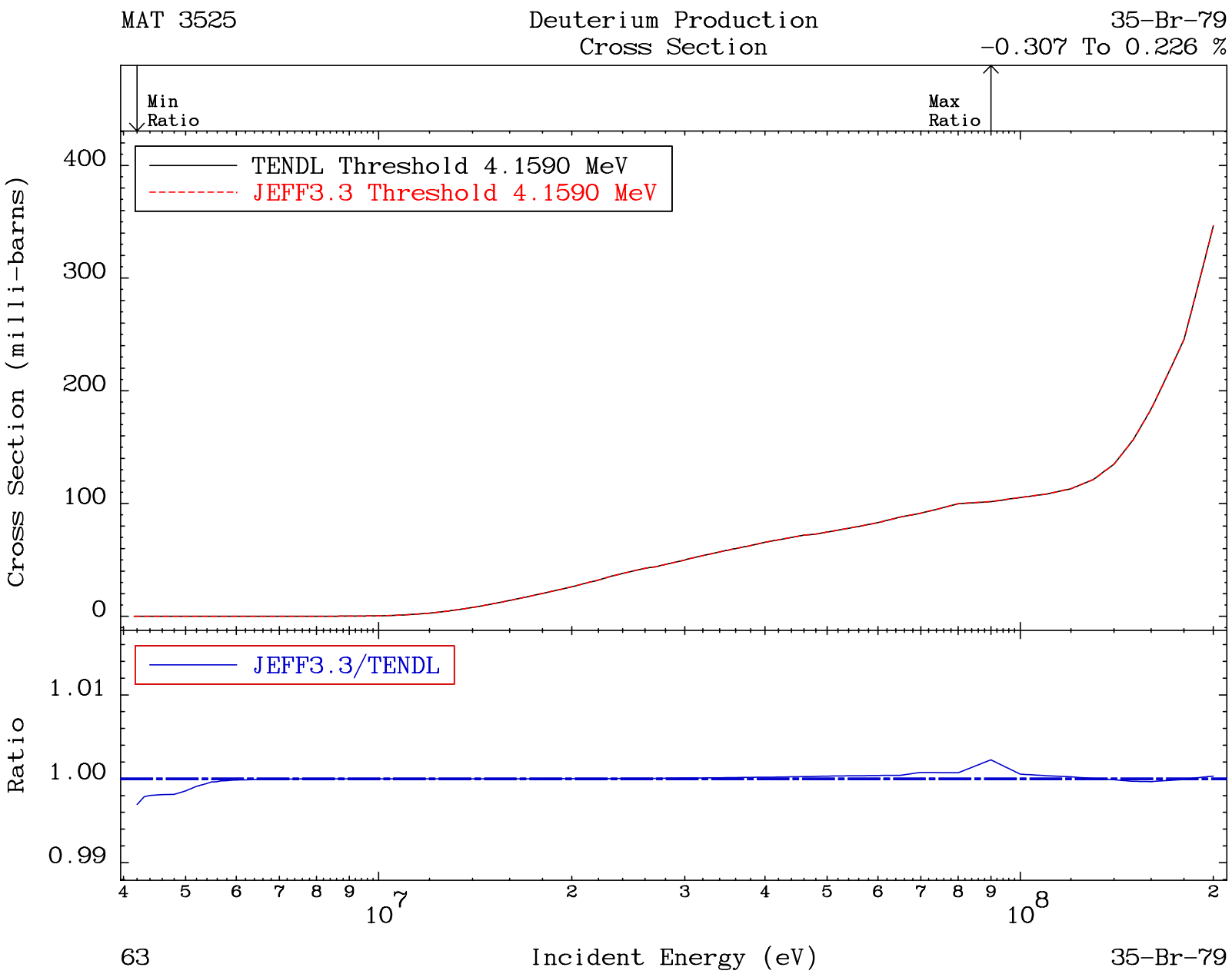

MAT 3525
Dpa total (eV-barns)
Cross Section
35-Br-79
-91.52 To 2480. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
58
35-Br-79

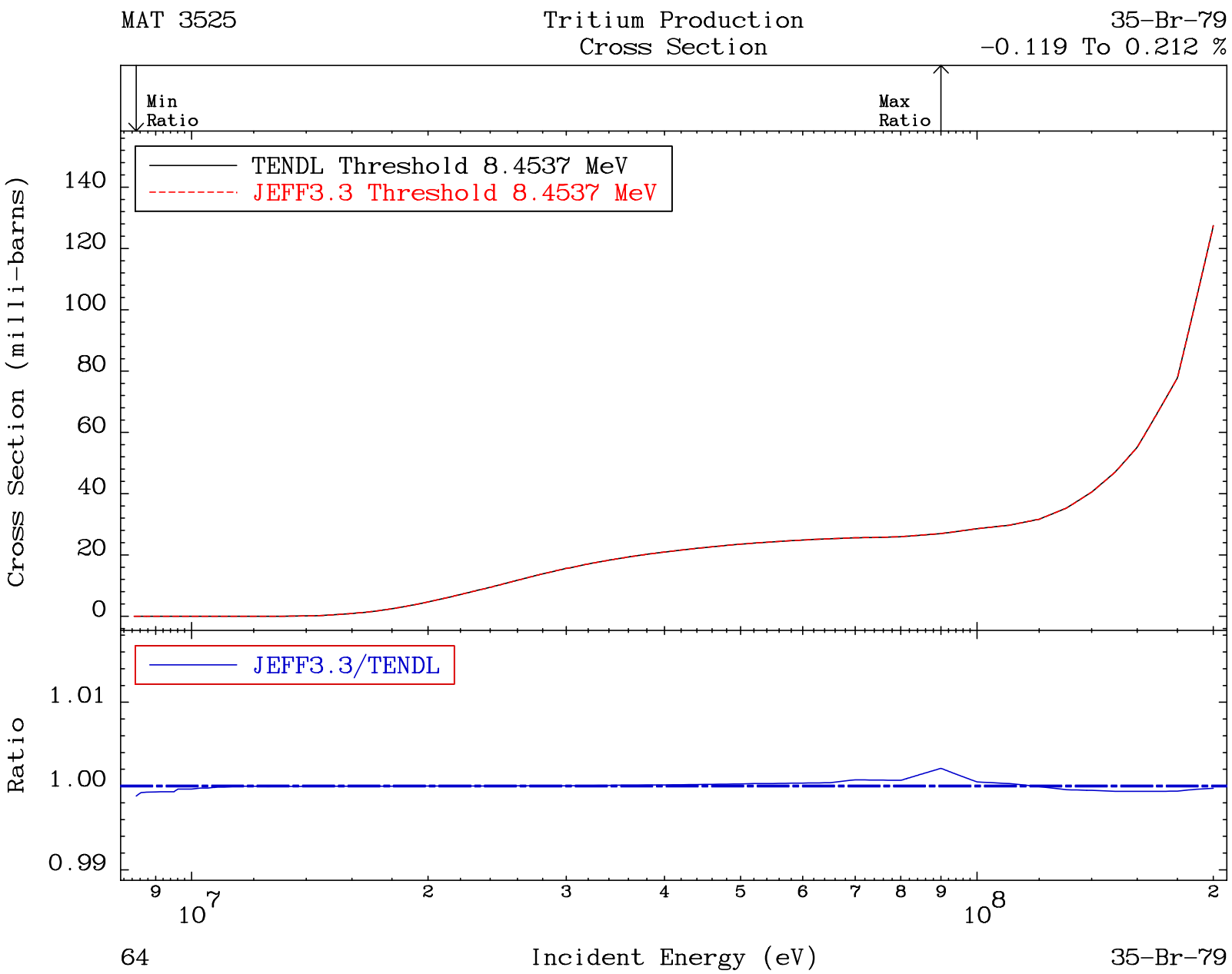

MAT 3525
Dpa elastic (mt2)
Cross Section
35-Br-79
-93.85 To 1021. %
Max Ratio
Min Ratio
TENDL Threshold 459.58 eV
JENDL4.0 Threshold 500.63 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
59
35-Br-79

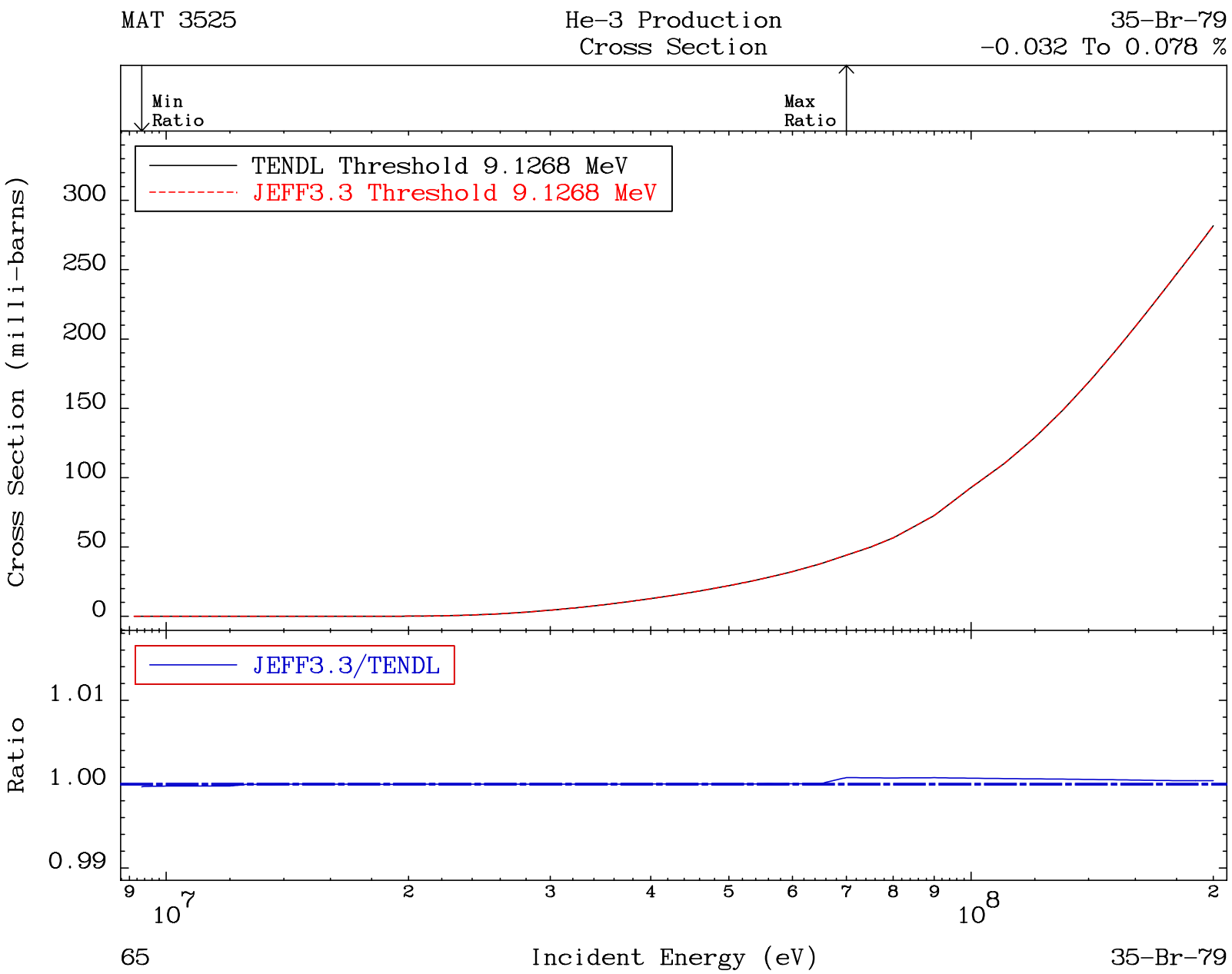

MAT 3525
Dpa inelastic (mt51-91)
Cross Section
35-Br-79
-79.46 To 227.1 %
Min Ratio
Max Ratio
TENDL Threshold 210.26 keV
JENDL4.0 Threshold 219.88 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
60
35-Br-79

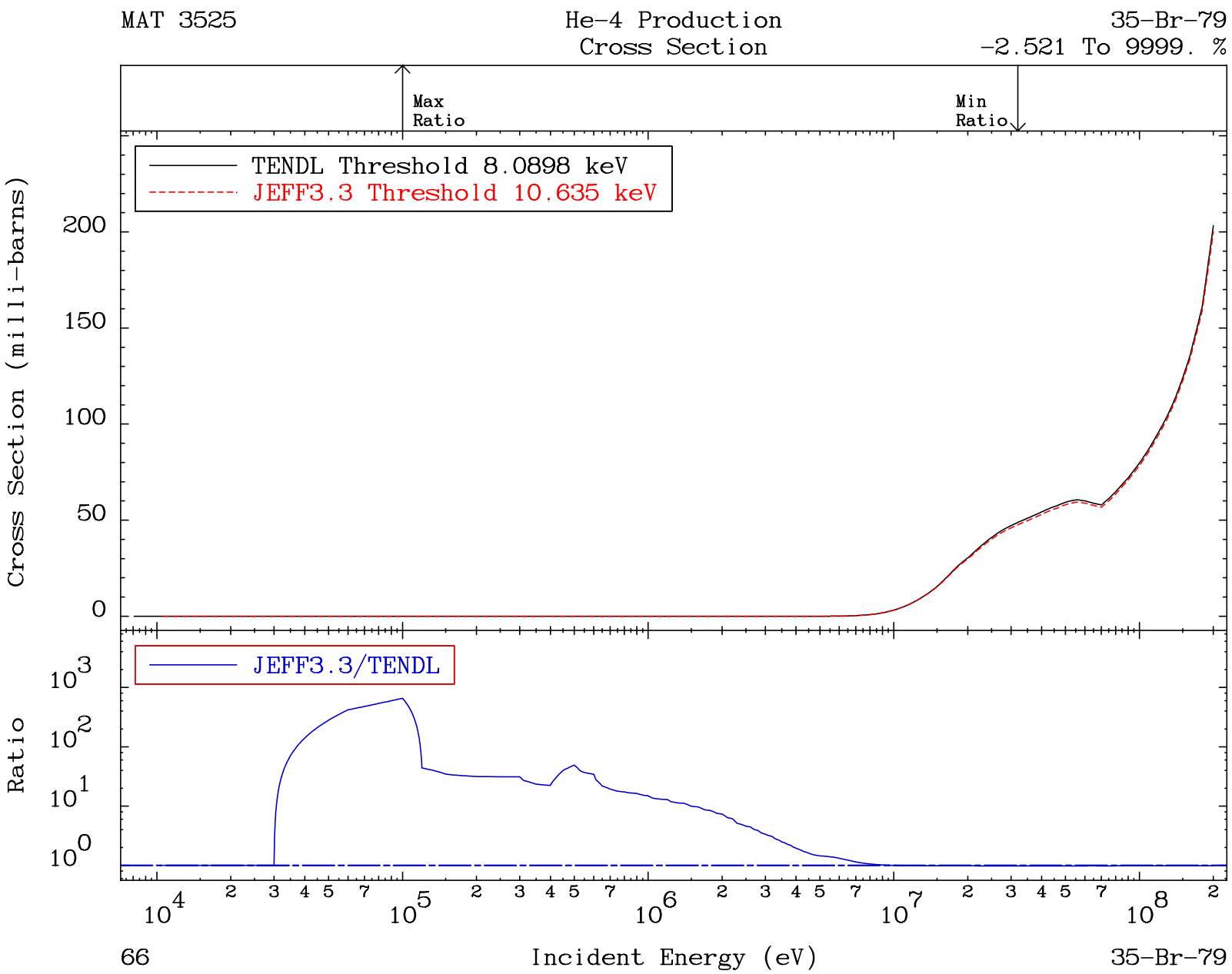

MAT 3525
Dpa disappearance (mt102 -120)
Cross Section
35-Br-79
4.205 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
61
35-Br-79

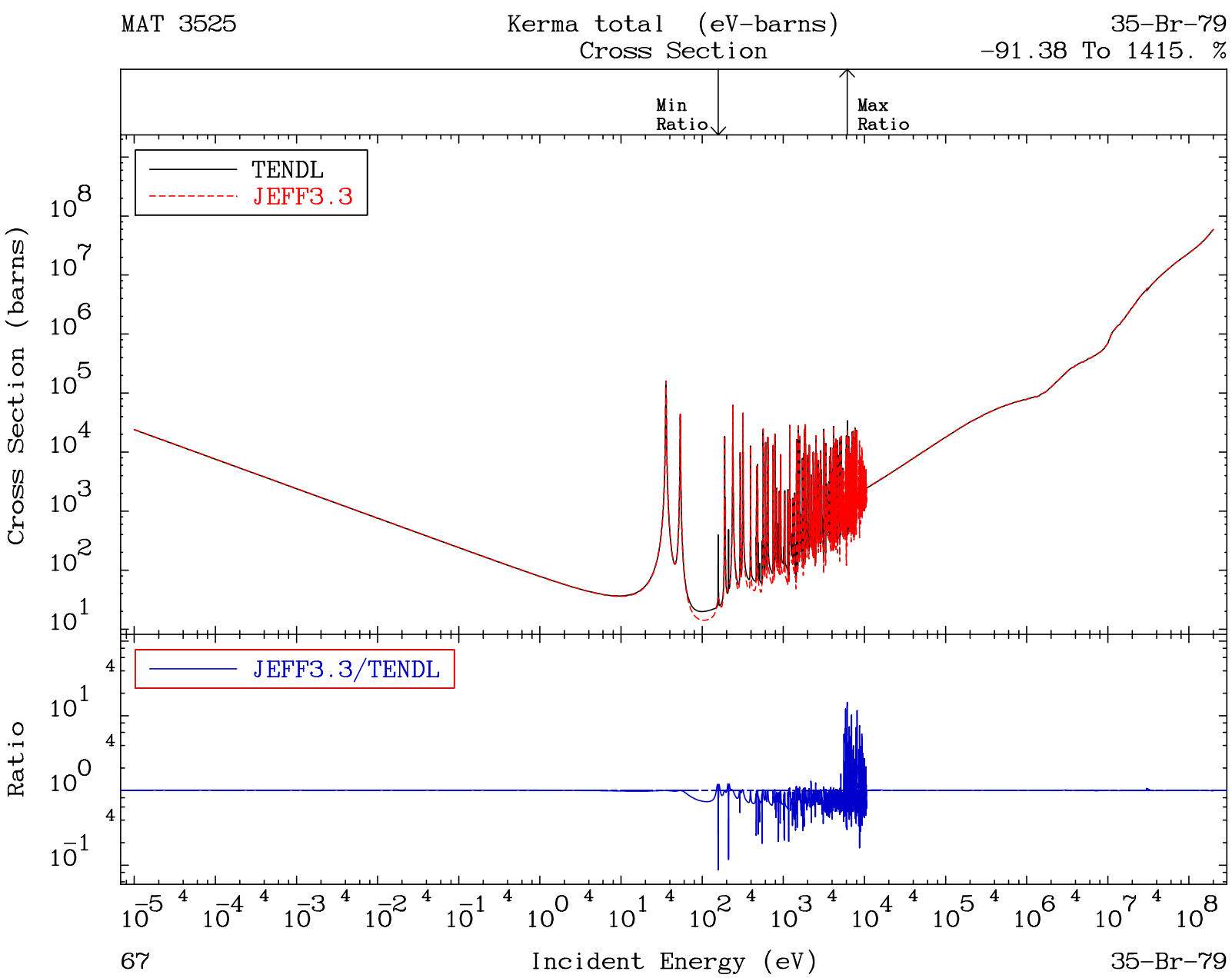

MAT 3525
Hydrogen Production
Cross Section
35-Br-79
-21.09 To 0.489 %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
35-Br-79

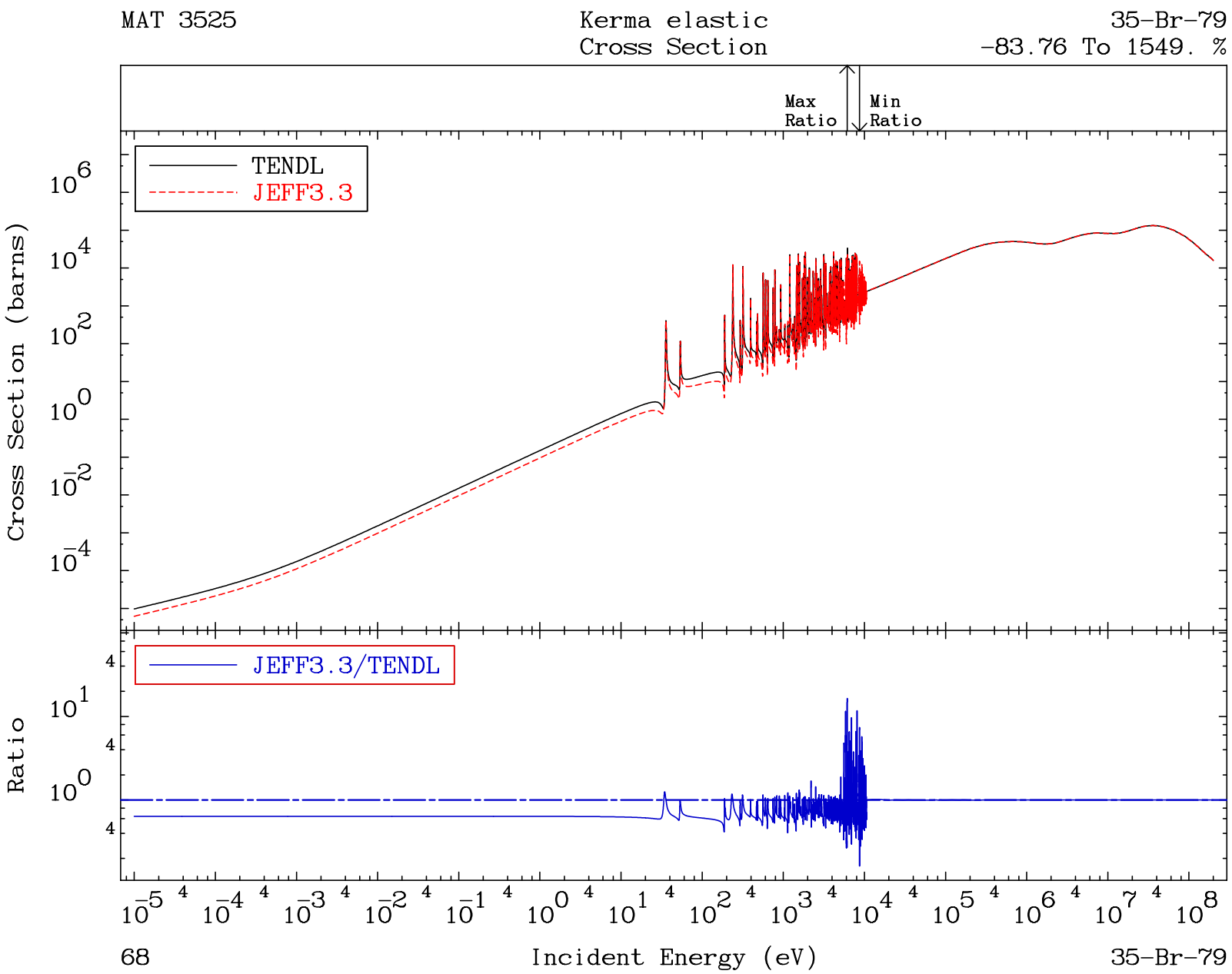

MAT 3525
Deuterium Production
Cross Section
35-Br-79
-0.307 To 0.226 %
Min
Ratio
Max
Ratio
TENDL Threshold 4.1590 MeV
JEFF3.3 Threshold 4.1590 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
63
Incident Energy (eV)
35-Br-79

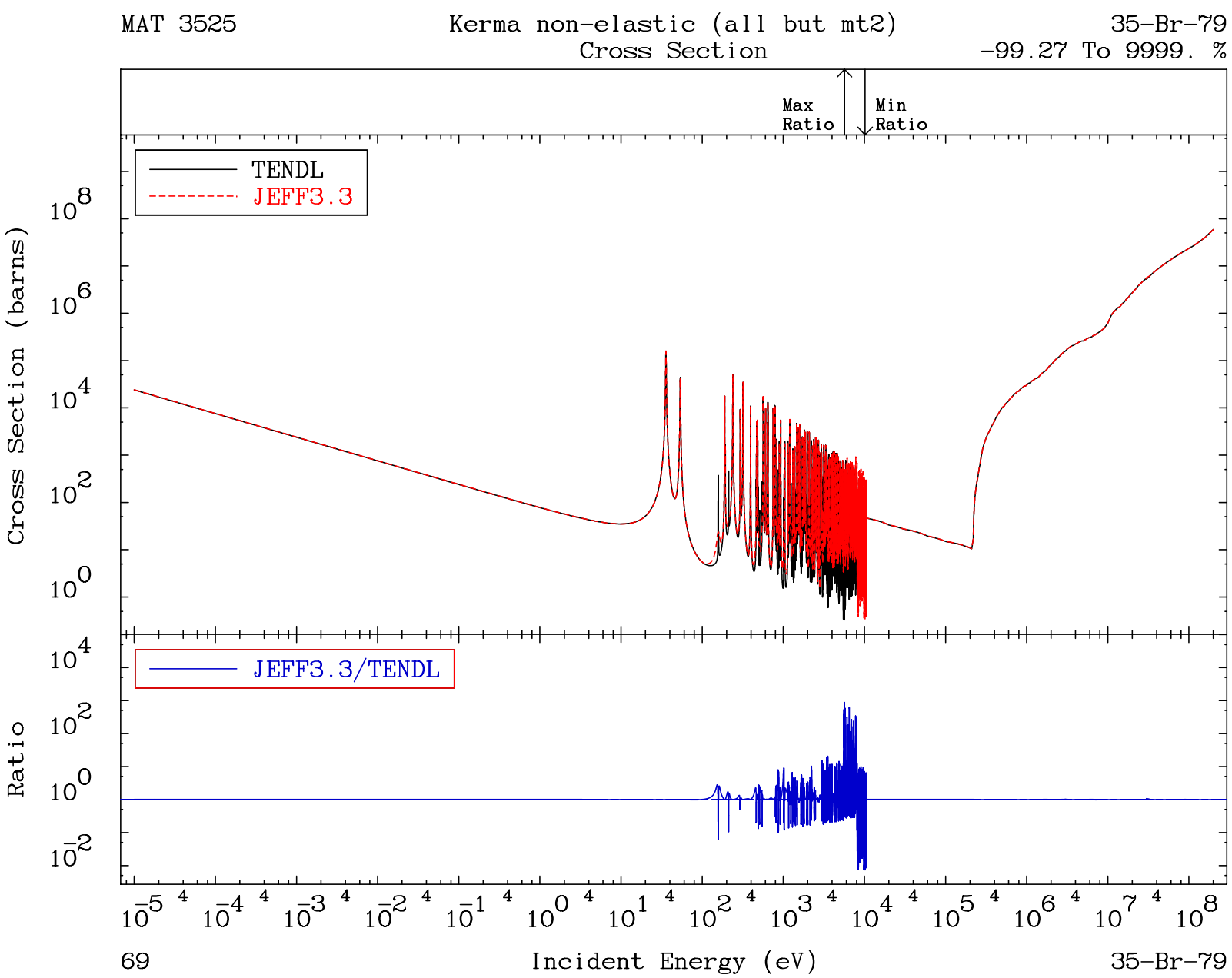

MAT 3525
Tritium Production
Cross Section
35-Br-79
-0.119 To 0.212 %
Min
Ratio
Max
Ratio
TENDL Threshold 8.4537 MeV
JEFF3.3 Threshold 8.4537 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
35-Br-79

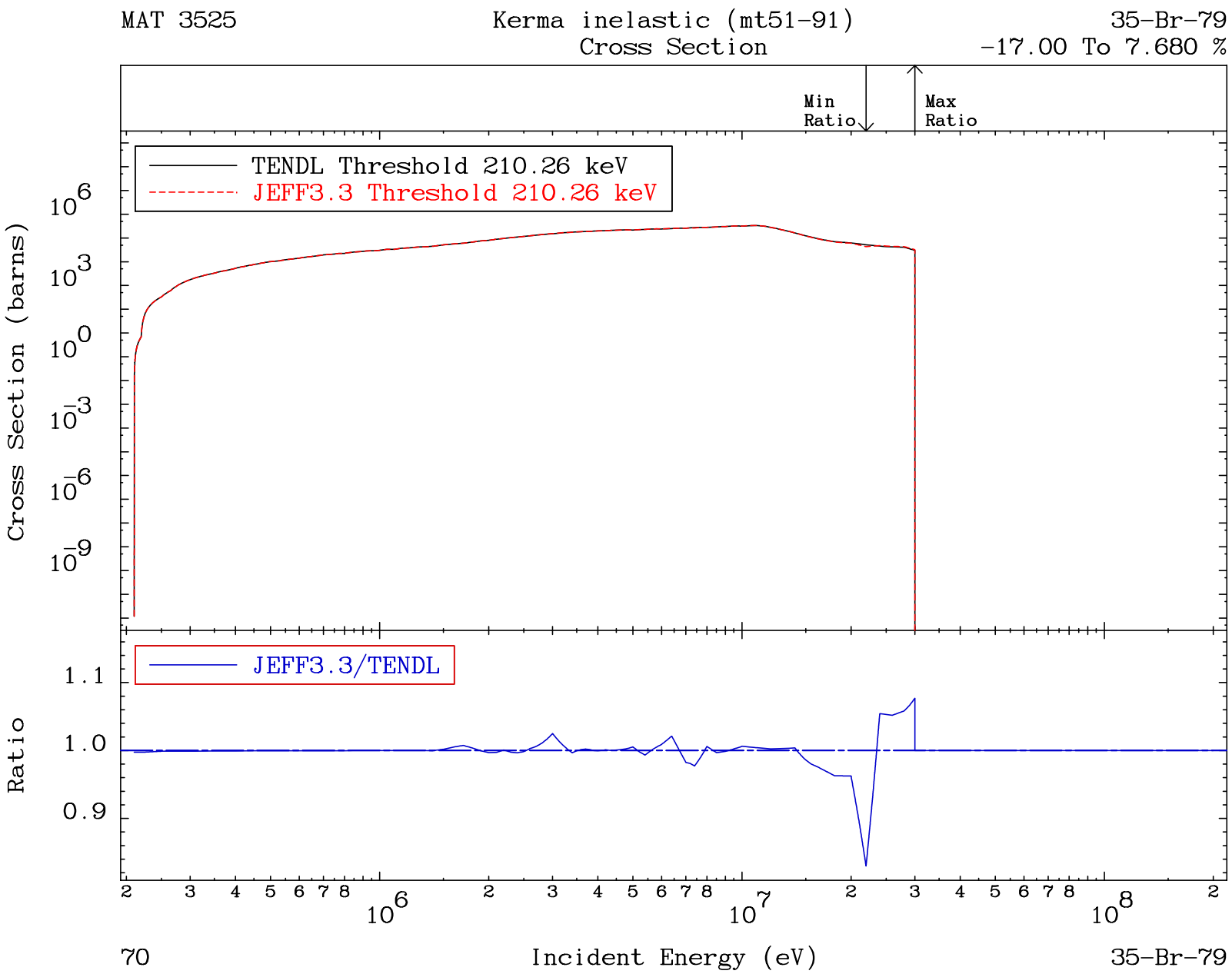

MAT 3525
He-3 Production
Cross Section
35-Br-79
-0.032 To 0.078 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.1268 MeV
JEFF3.3 Threshold 9.1268 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
35-Br-79

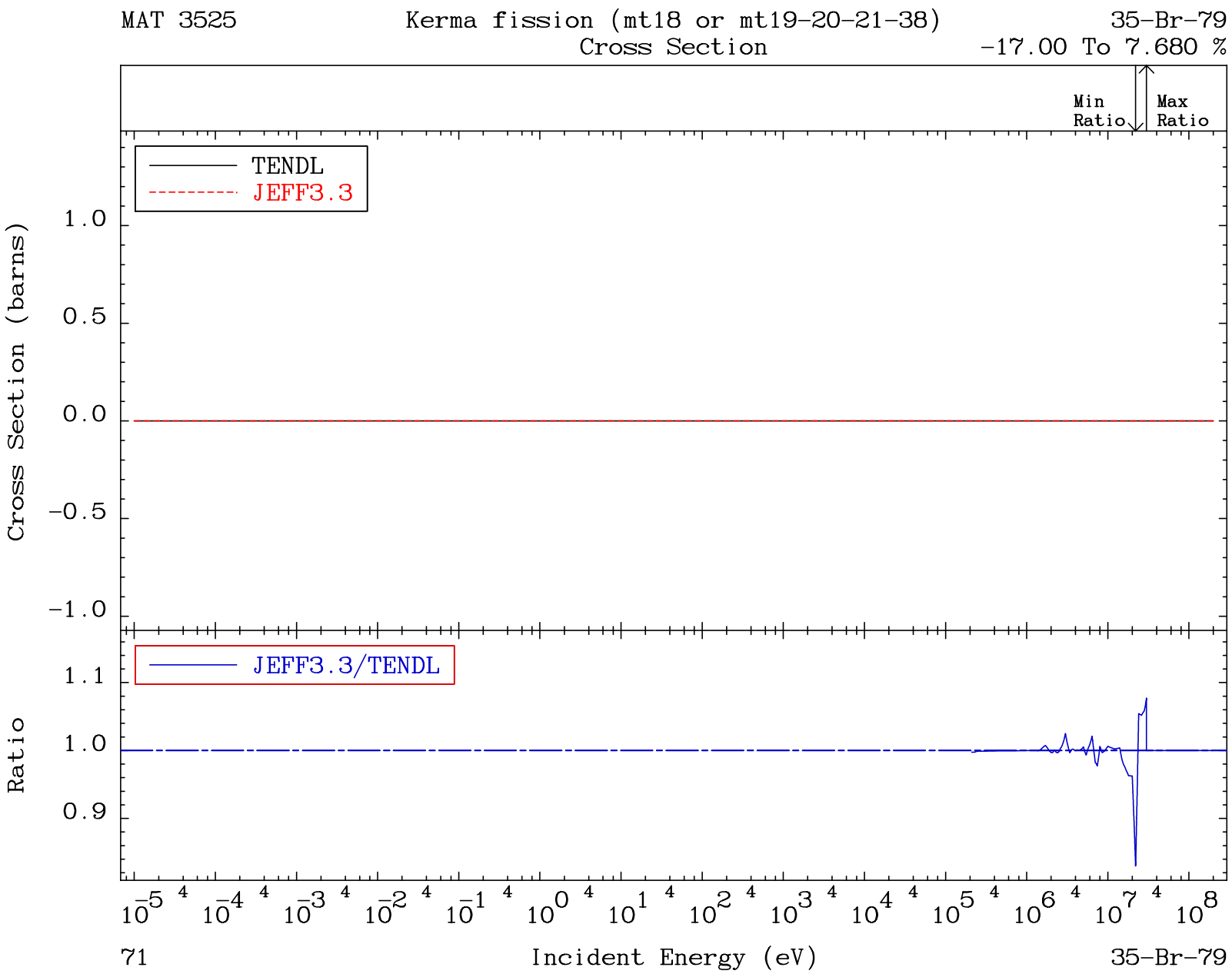

MAT 3525
He-4 Production
Cross Section
35-Br-79
-2.521 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 8.0898 keV
JEFF3.3 Threshold 10.635 keV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
10^4
10^5
10^6
10^7
10^8
66
Incident Energy (eV)
35-Br-79

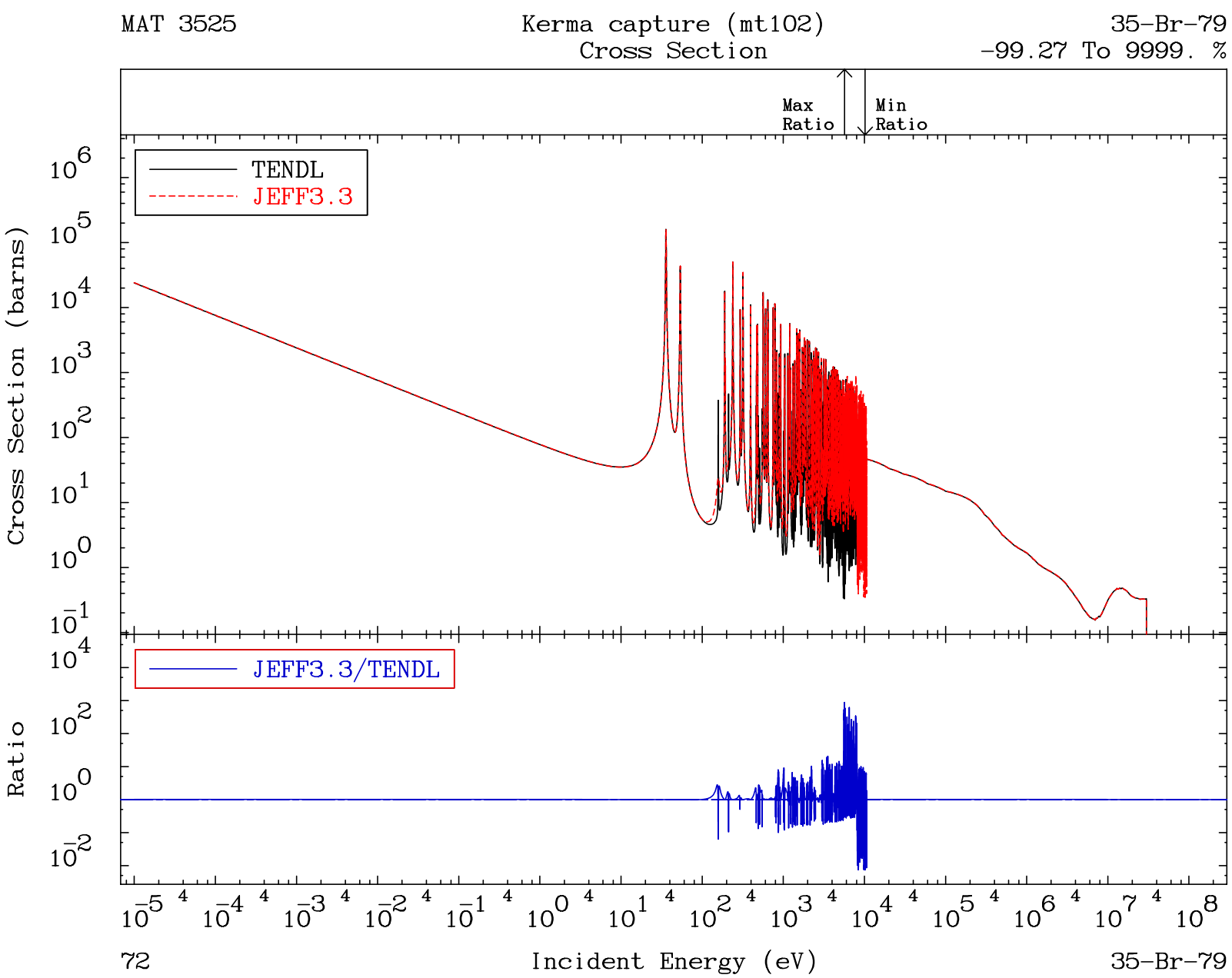

MAT 3525
Kerma total (eV-barns)
Cross Section
35-Br-79
-91.38 To 1415. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
35-Br-79

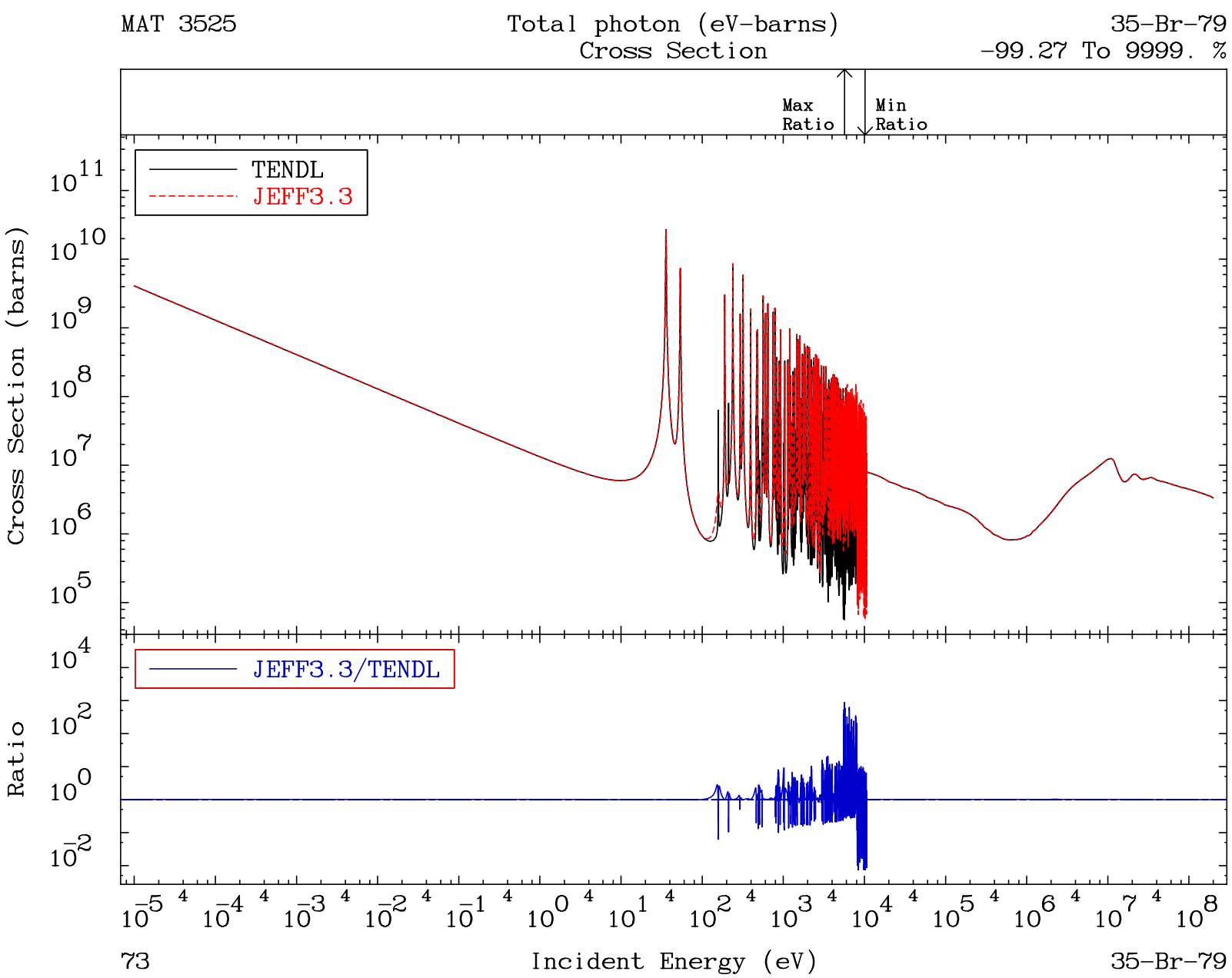

MAT 3525
Kerma elastic
Cross Section
35-Br-79
-83.76 To 1549. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
35-Br-79

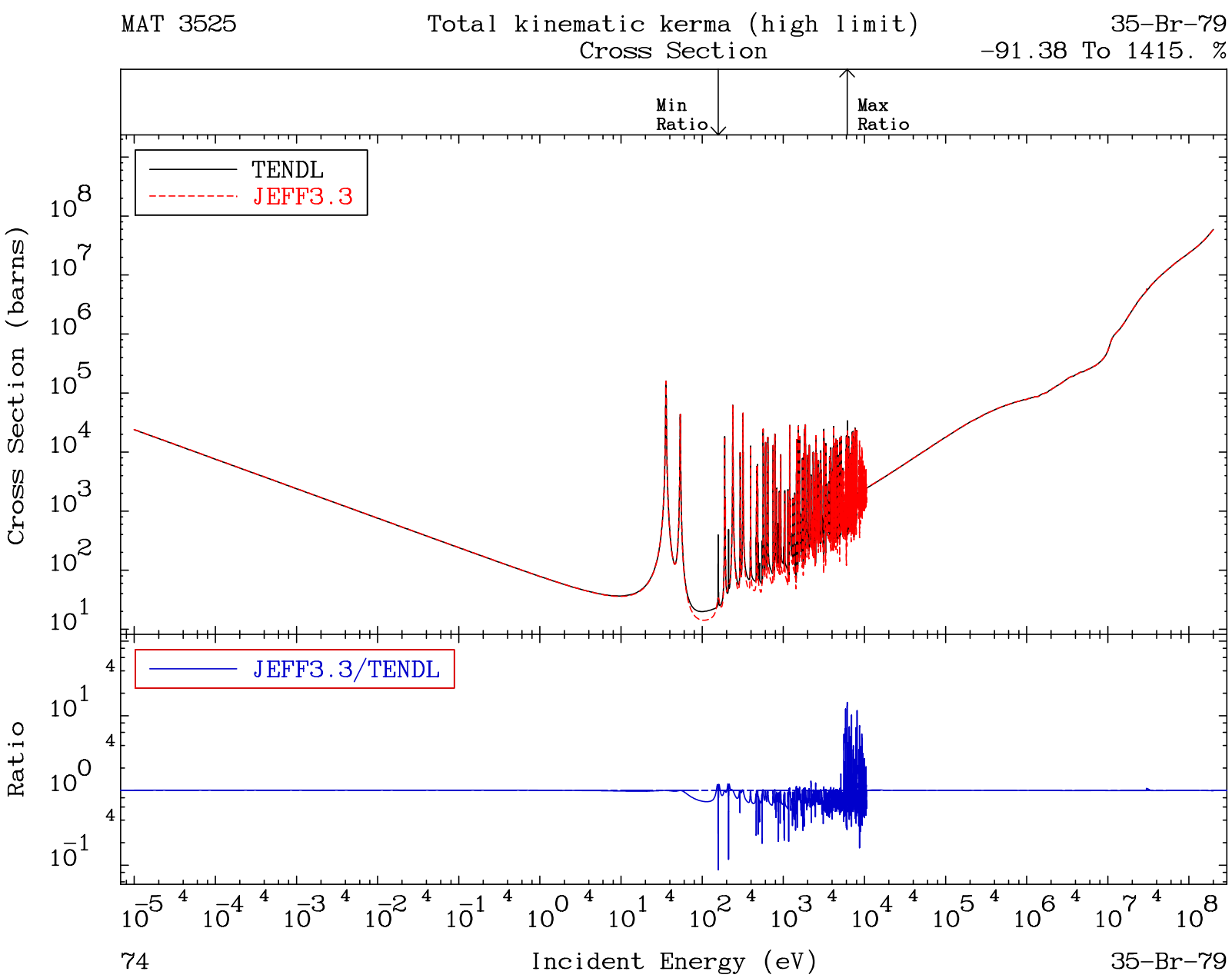

MAT 3525
Kerma non-elastic (all but mt2)
Cross Section
35-Br-79
-99.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
35-Br-79

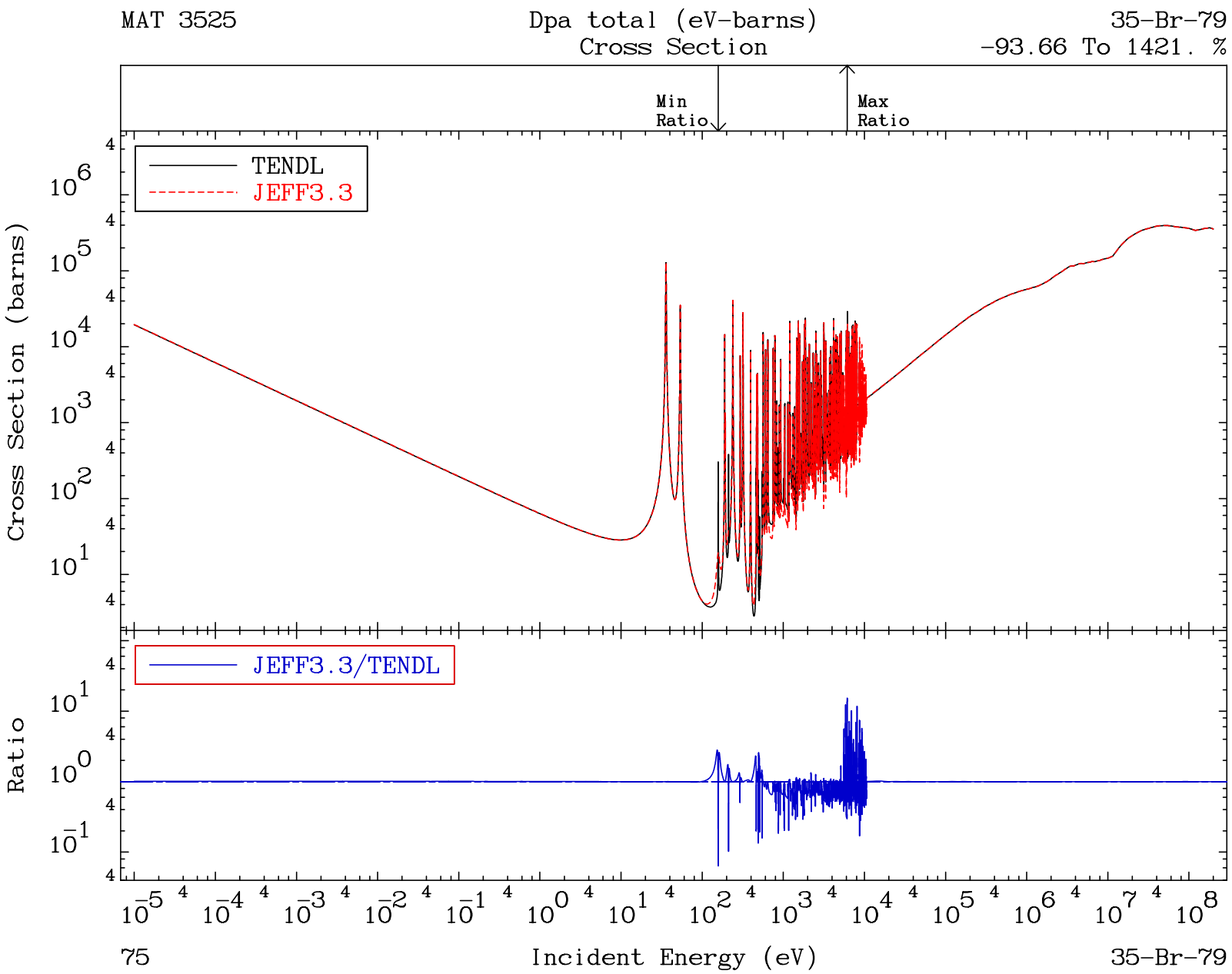

MAT 3525
Kerma inelastic (mt51-91)
Cross Section
35-Br-79
-17.00 To 7.680 %
Min Ratio
Max Ratio
TENDL Threshold 210.26 keV
JEFF3.3 Threshold 210.26 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
35-Br-79

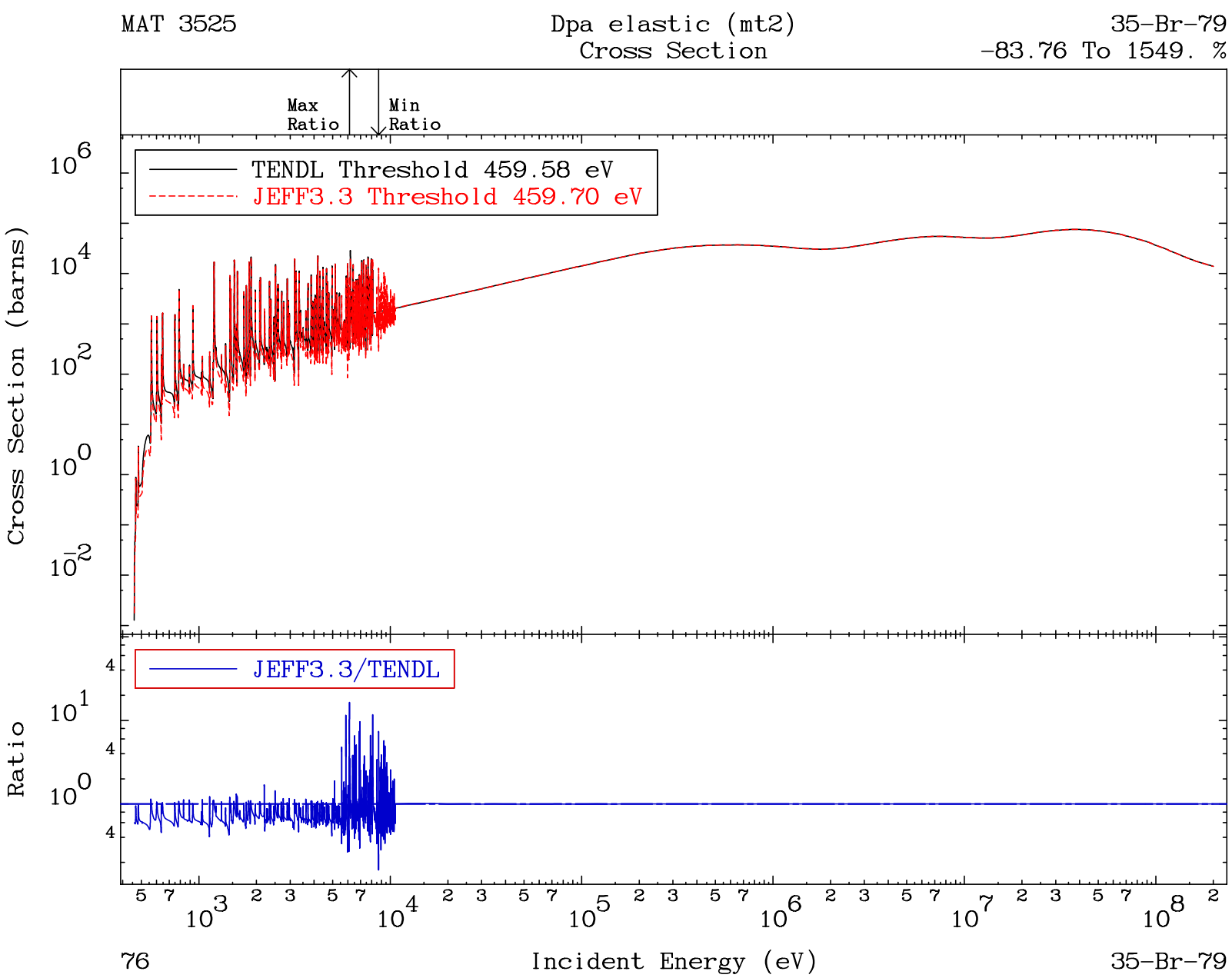

MAT 3525
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
35-Br-79
-17.00 To 7.680 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
71
Incident Energy (eV)
35-Br-79

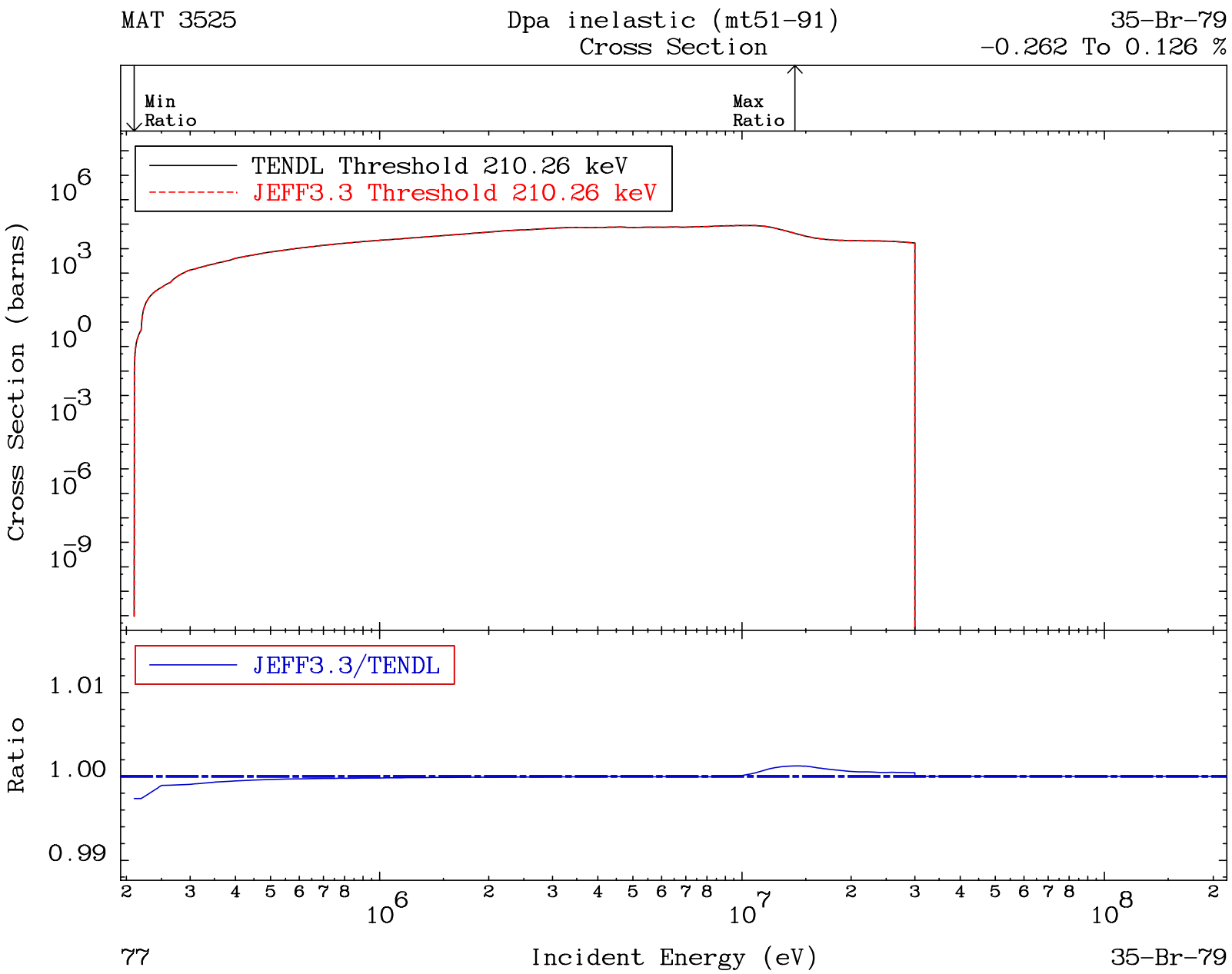

MAT 3525
Kerma capture (mt102)
Cross Section
35-Br-79
-99.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
35-Br-79

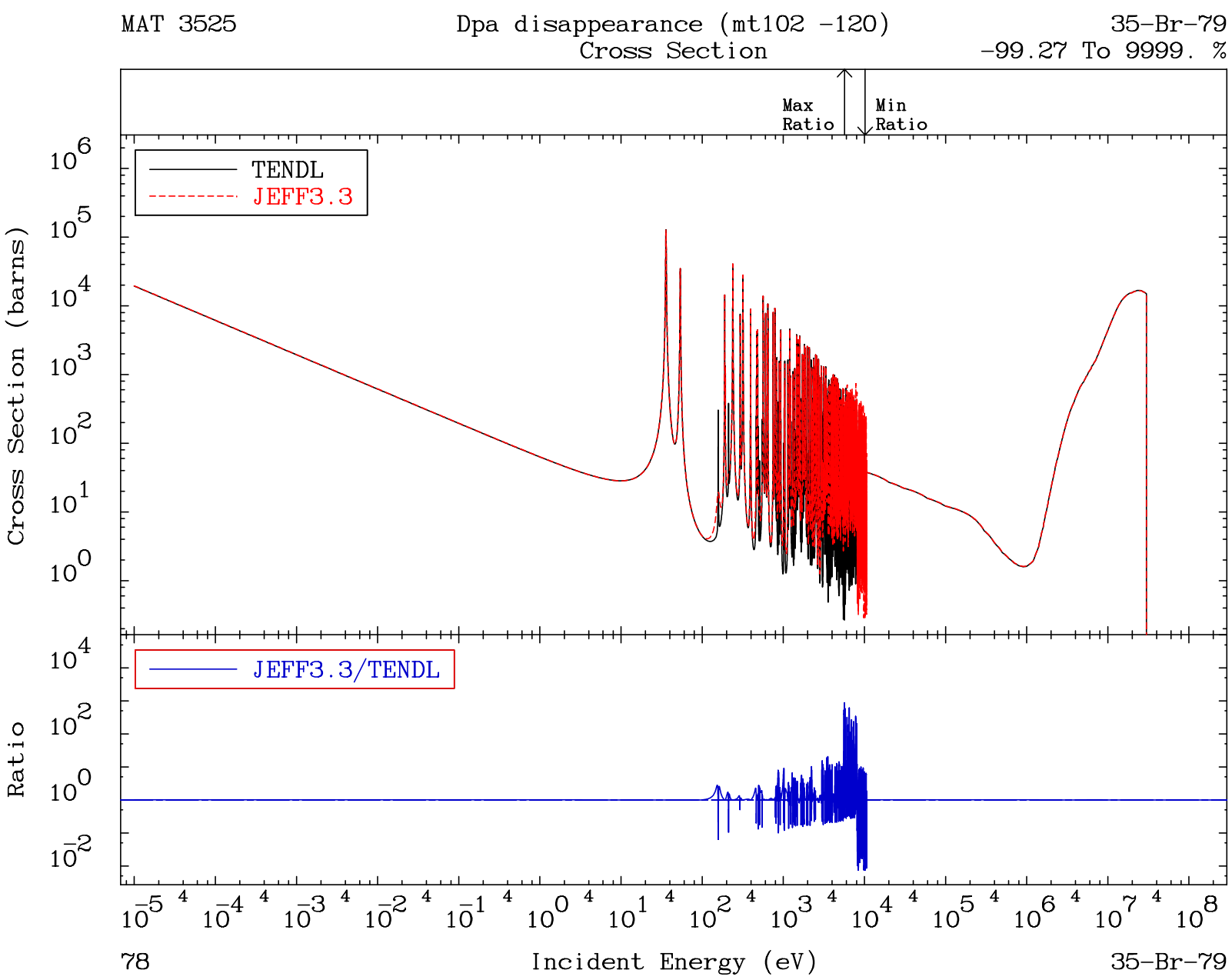

MAT 3525
Total photon (eV-barns)
Cross Section
35-Br-79
-99.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
73
Incident Energy (eV)
35-Br-79

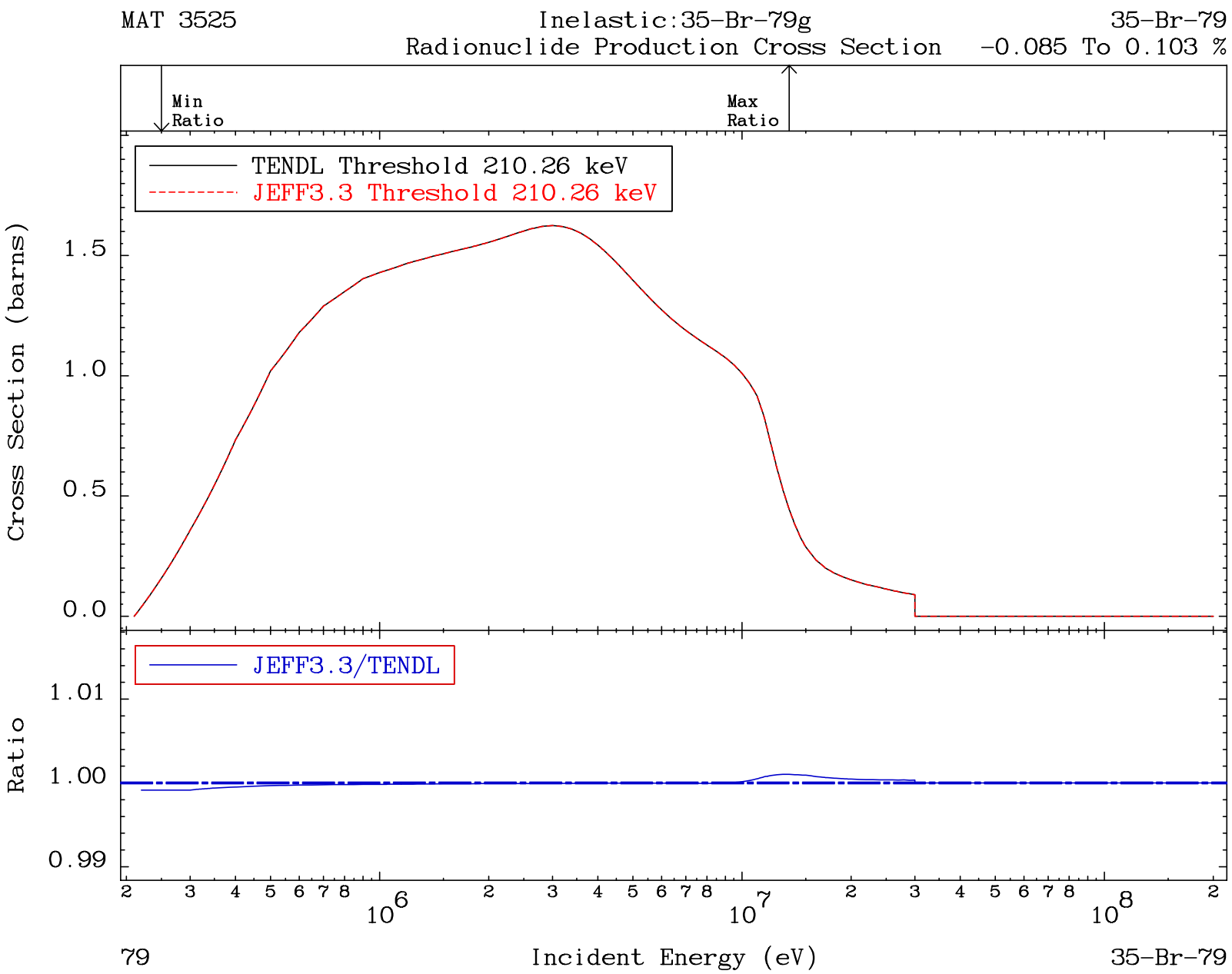

MAT 3525
Total kinematic kerma (high limit)
Cross Section
35-Br-79
-91.38 To 1415. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
35-Br-79

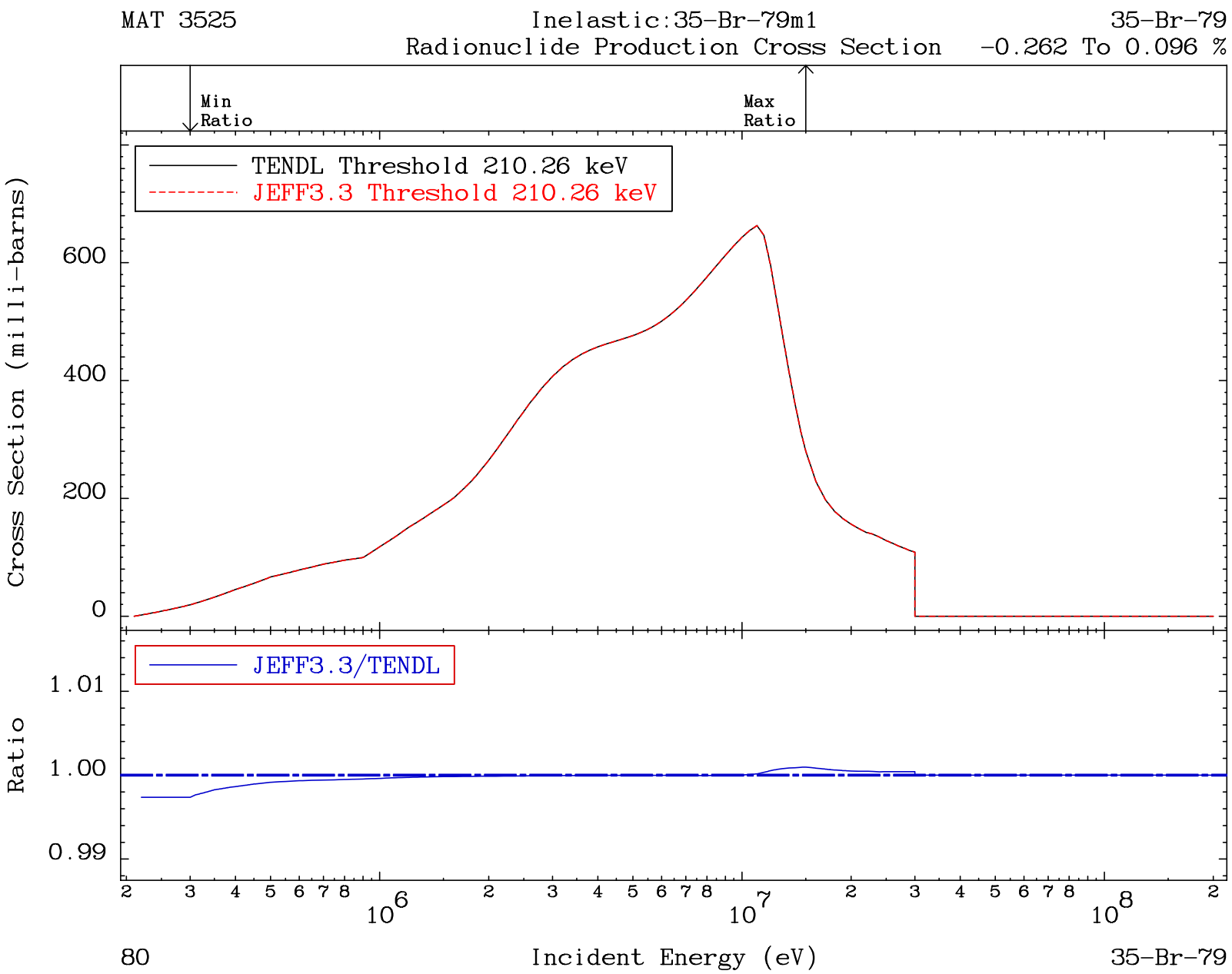

MAT 3525
Dpa total (eV-barns)
Cross Section
35-Br-79
-93.66 To 1421. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
35-Br-79

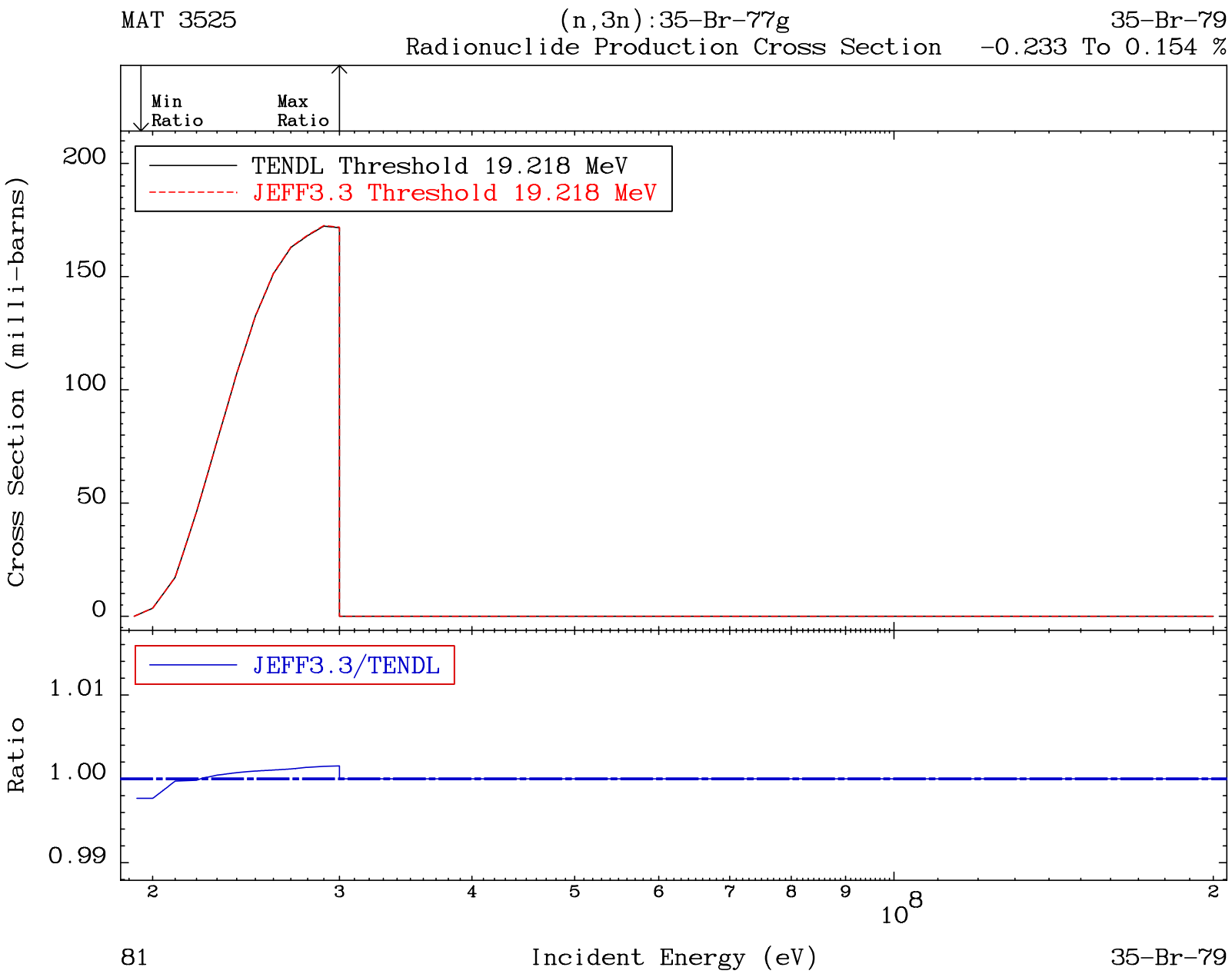

MAT 3525
Dpa elastic (mt2)
Cross Section
35-Br-79
-83.76 To 1549. %
Max Ratio
Min Ratio
TENDL Threshold 459.58 eV
JEFF3.3 Threshold 459.70 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
35-Br-79

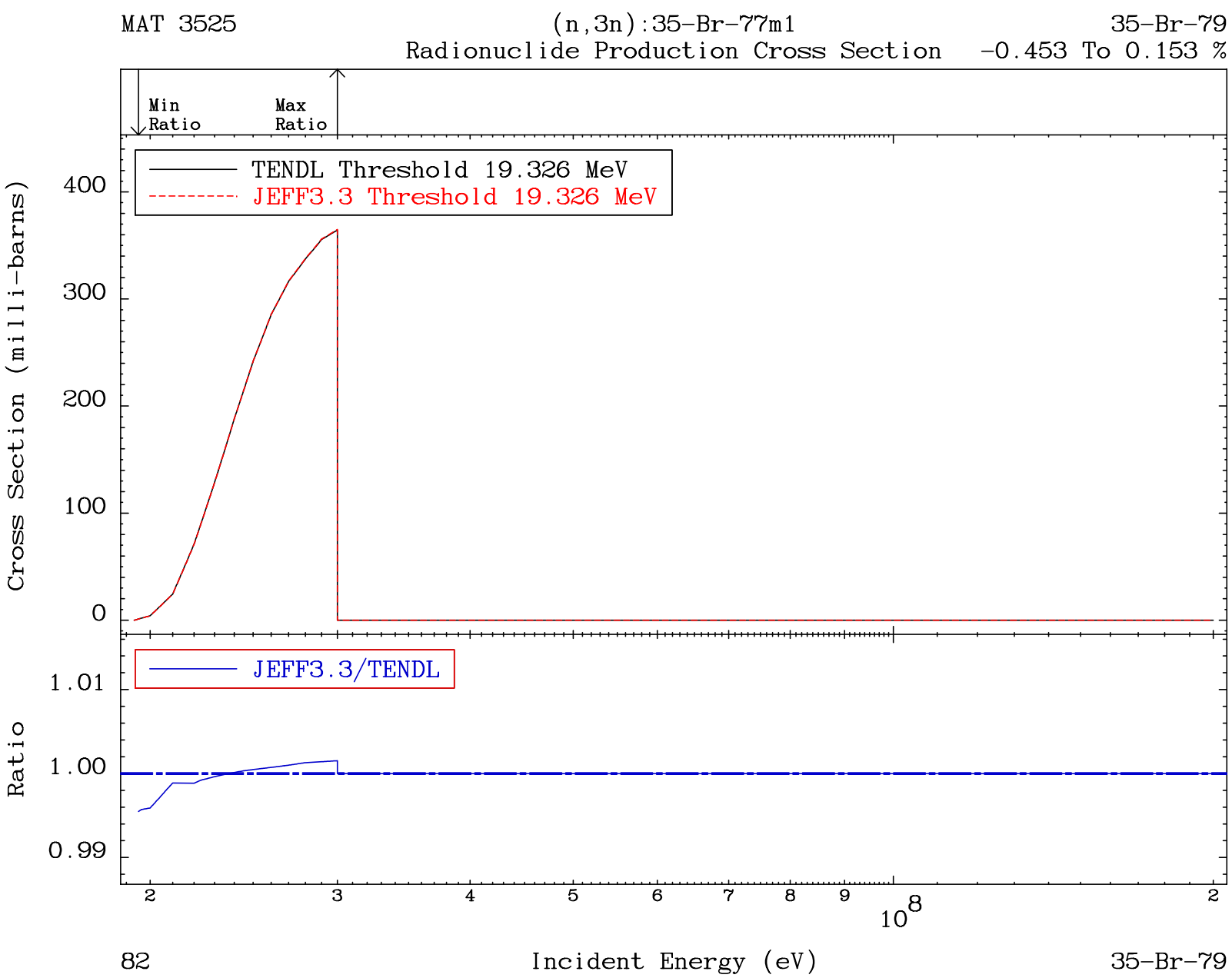

MAT 3525
Dpa inelastic (mt51-91)
Cross Section
35-Br-79
-0.262 To 0.126 %
Min Ratio
Max Ratio
TENDL Threshold 210.26 keV
JEFF3.3 Threshold 210.26 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
35-Br-79

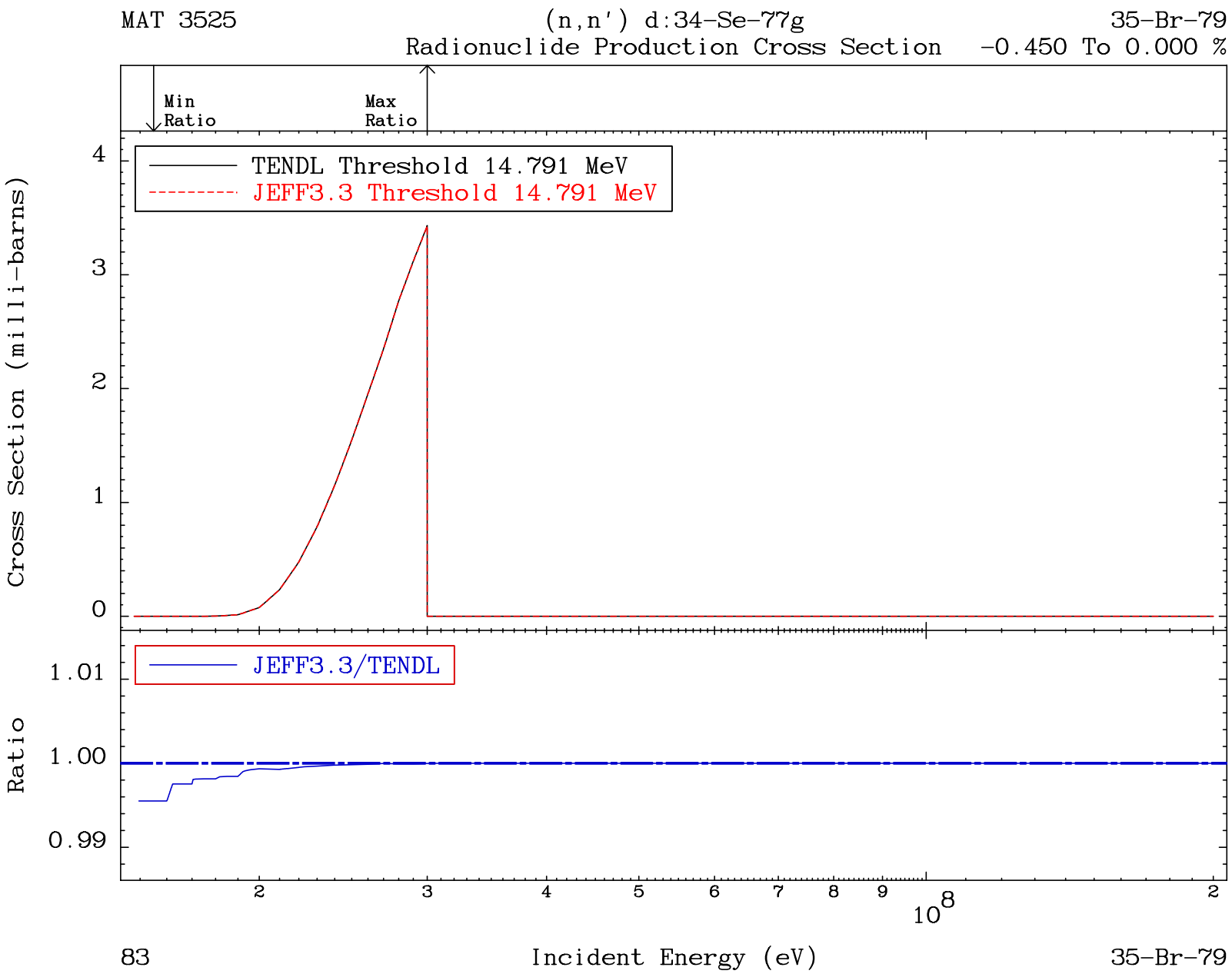

MAT 3525
Dpa disappearance (mt102 -120)
Cross Section
35-Br-79
-99.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
78
35-Br-79

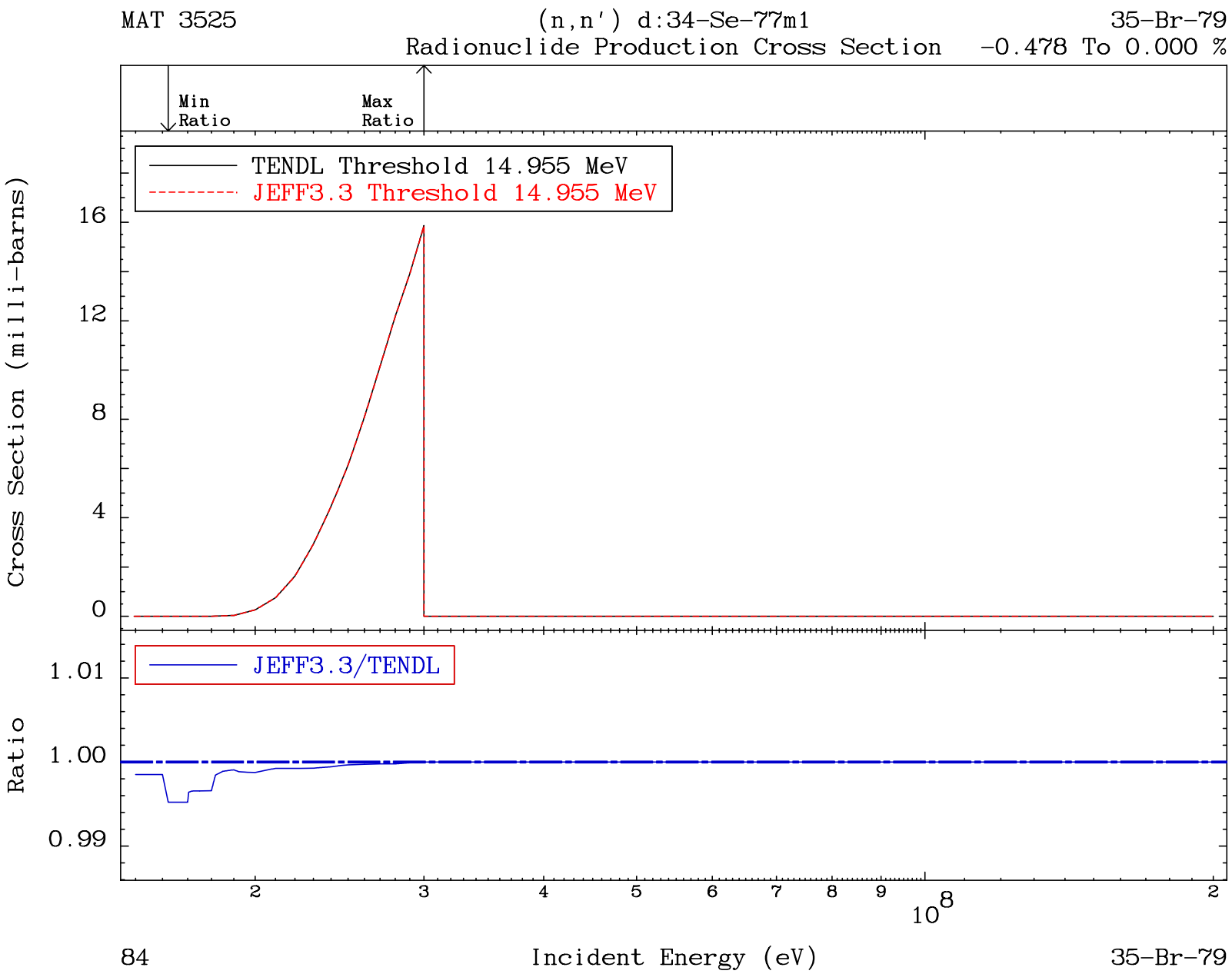

MAT 3525
Inelastic:35-Br-79g
35-Br-79
Radionuclide Production Cross Section
-0.085 To 0.103 %
Min Ratio
Max Ratio
TENDL Threshold 210.26 keV
JEFF3.3 Threshold 210.26 keV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
79
Incident Energy (eV)
35-Br-79

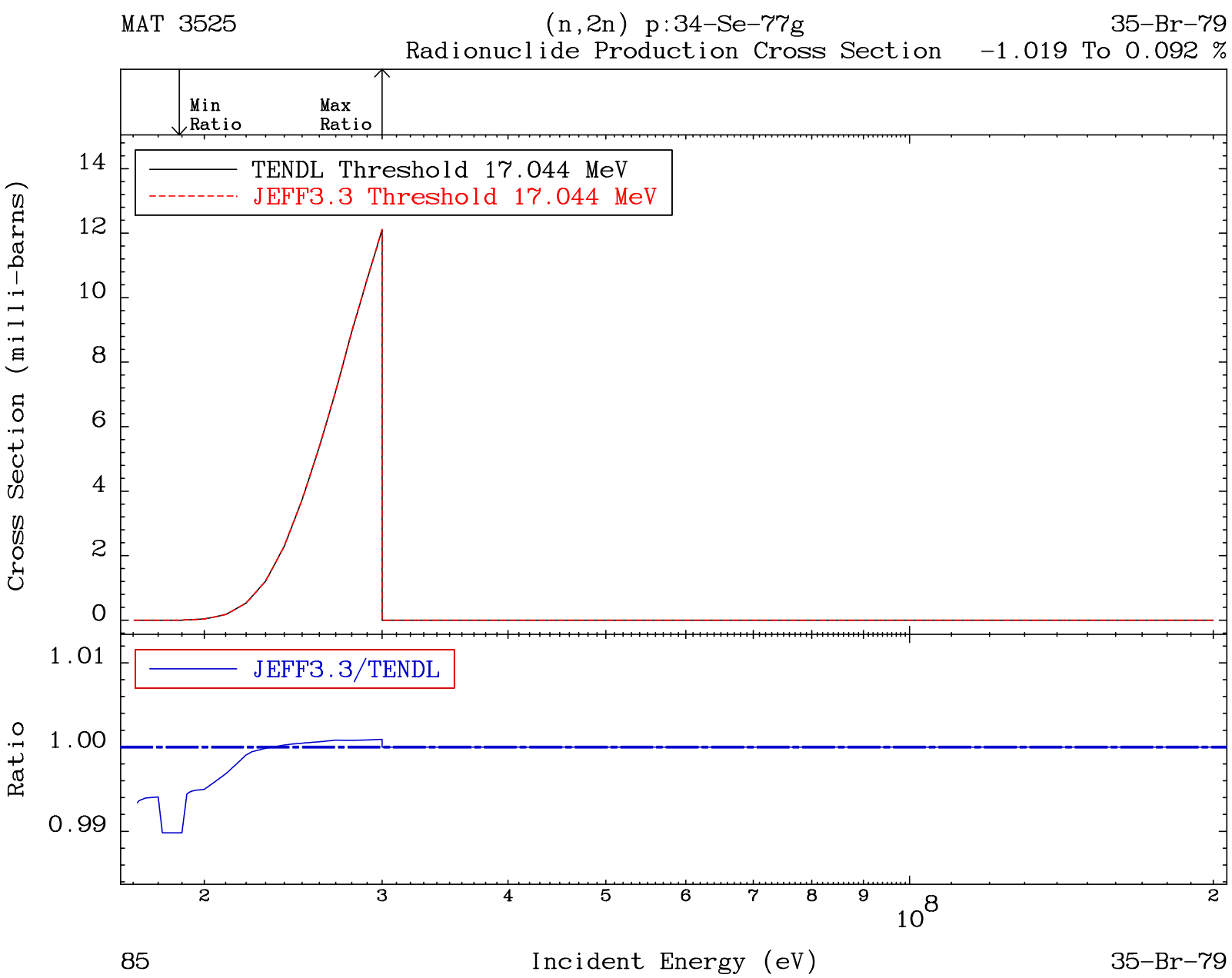

MAT 3525
Inelastic:35-Br-79m1
35-Br-79
Radionuclide Production Cross Section
-0.262 To 0.096 %
Min Ratio
Max Ratio
TENDL Threshold 210.26 keV
JEFF3.3 Threshold 210.26 keV
Cross Section (milli-barns)
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
80
Incident Energy (eV)
35-Br-79

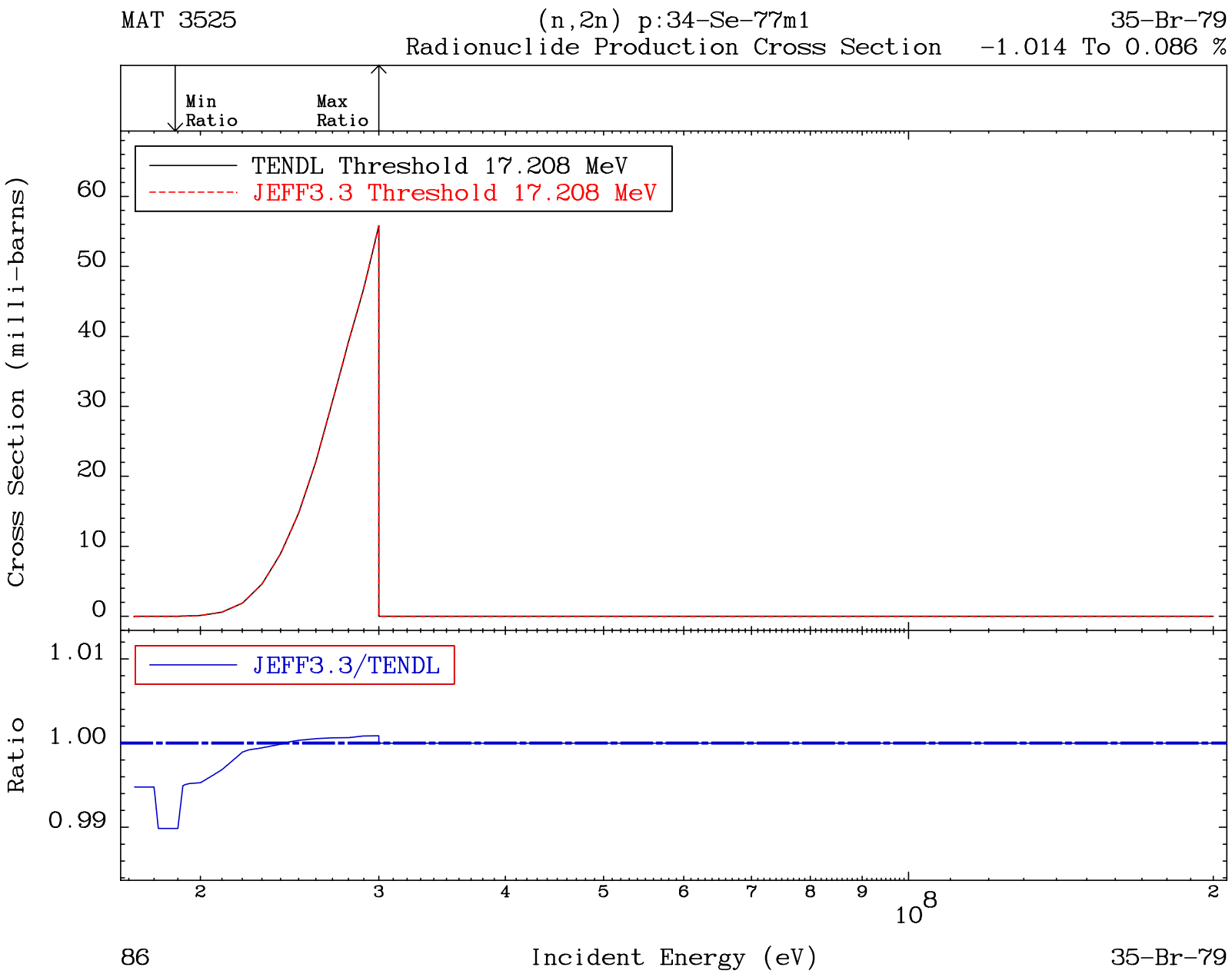

MAT 3525
(n,3n):35-Br-77g
35-Br-79
Radionuclide Production Cross Section
-0.233 To 0.154 %
Min Ratio
Max Ratio
TENDL Threshold 19.218 MeV
JEFF3.3 Threshold 19.218 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
35-Br-79

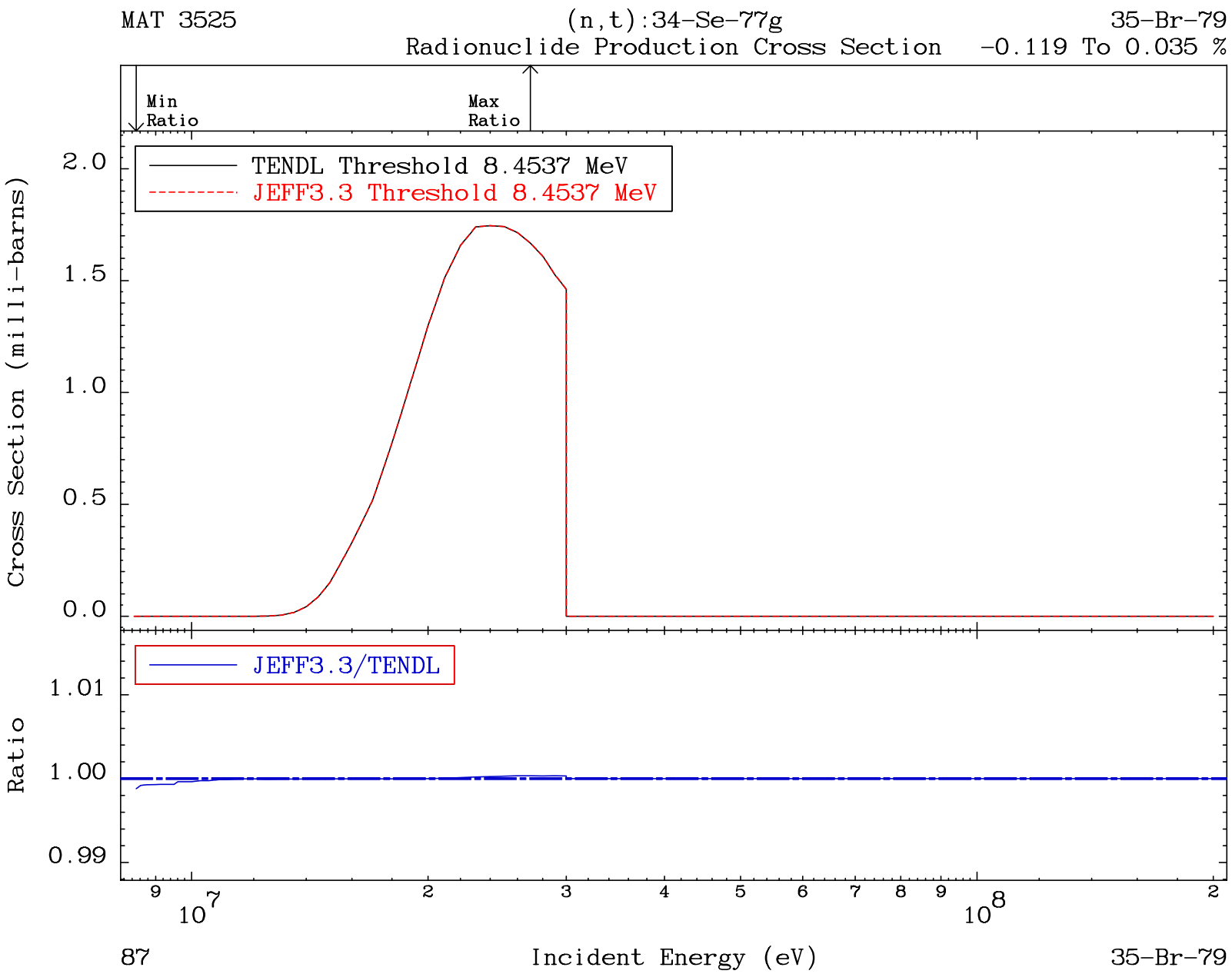

MAT 3525
(n,3n):35-Br-77m1
35-Br-79
Radionuclide Production Cross Section
-0.453 To 0.153 %
Min Ratio
Max Ratio
TENDL Threshold 19.326 MeV
JEFF3.3 Threshold 19.326 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
35-Br-79

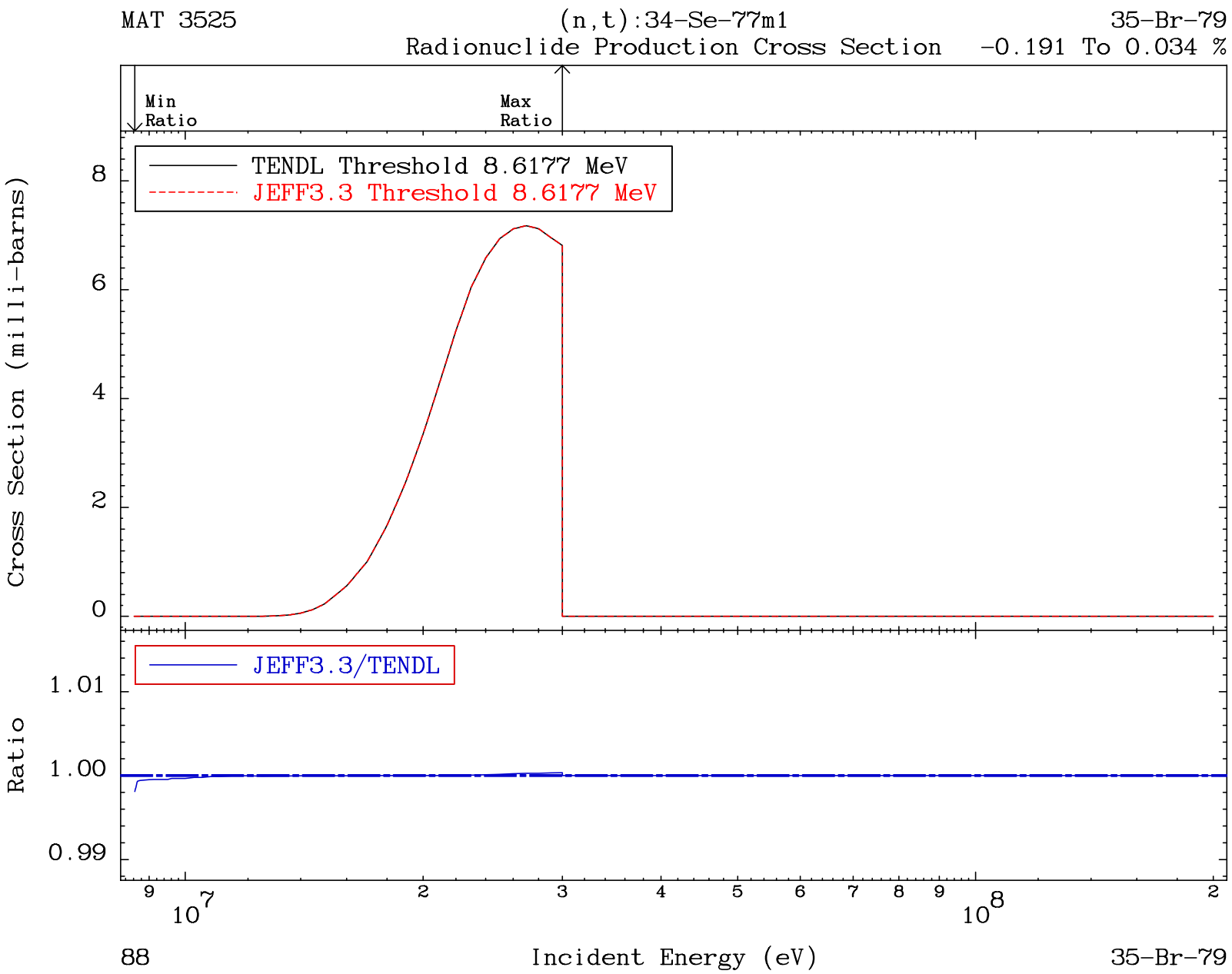

MAT 3525
(n,n') d:34-Se-77g
35-Br-79
Radionuclide Production Cross Section
-0.450 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.791 MeV
JEFF3.3 Threshold 14.791 MeV
Cross Section (milli-barns)
4
3
2
1
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
35-Br-79

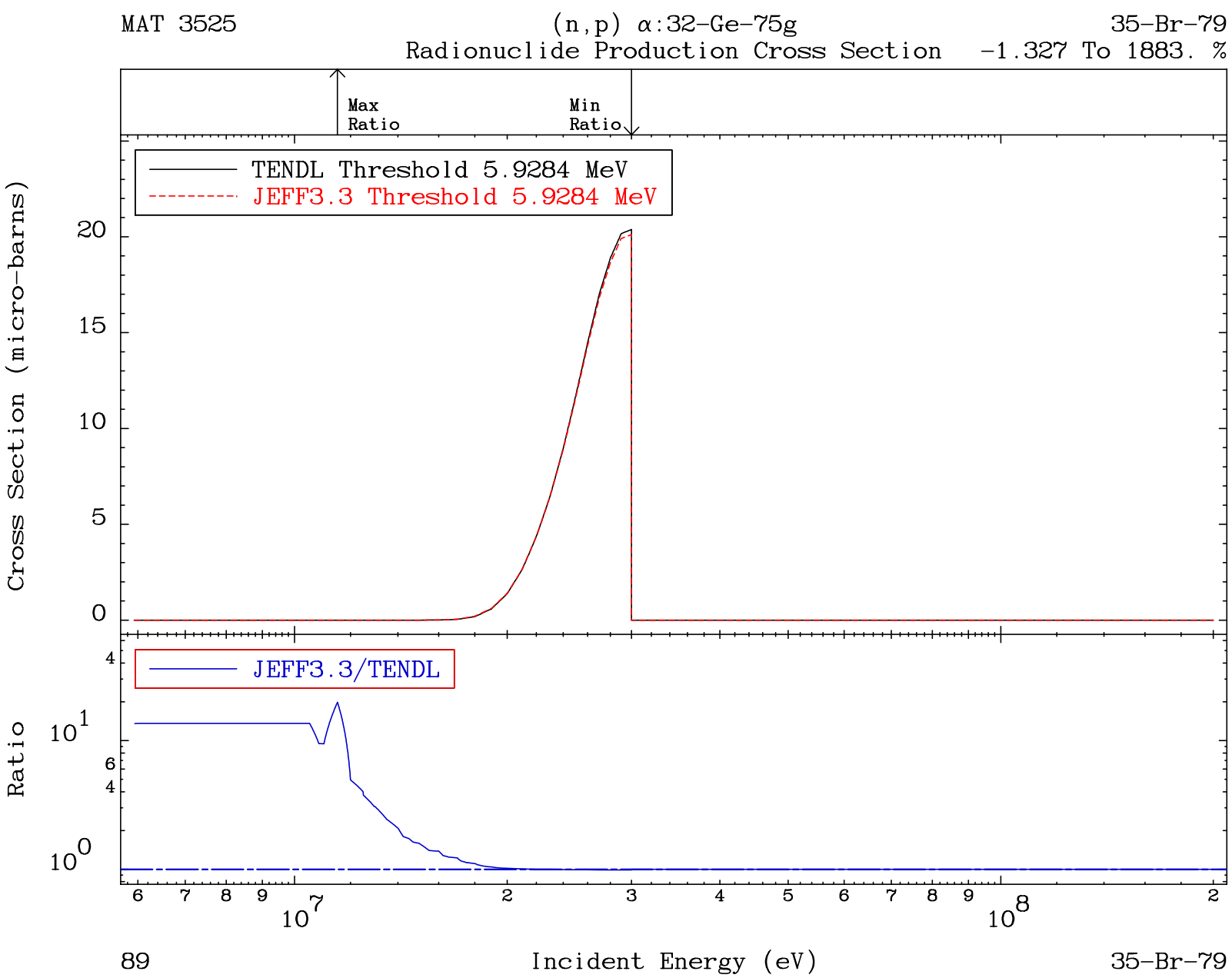

MAT 3525
(n,n') d:34-Se-77m1
35-Br-79
Radionuclide Production Cross Section
-0.478 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.955 MeV
JEFF3.3 Threshold 14.955 MeV
Cross Section (milli-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
35-Br-79

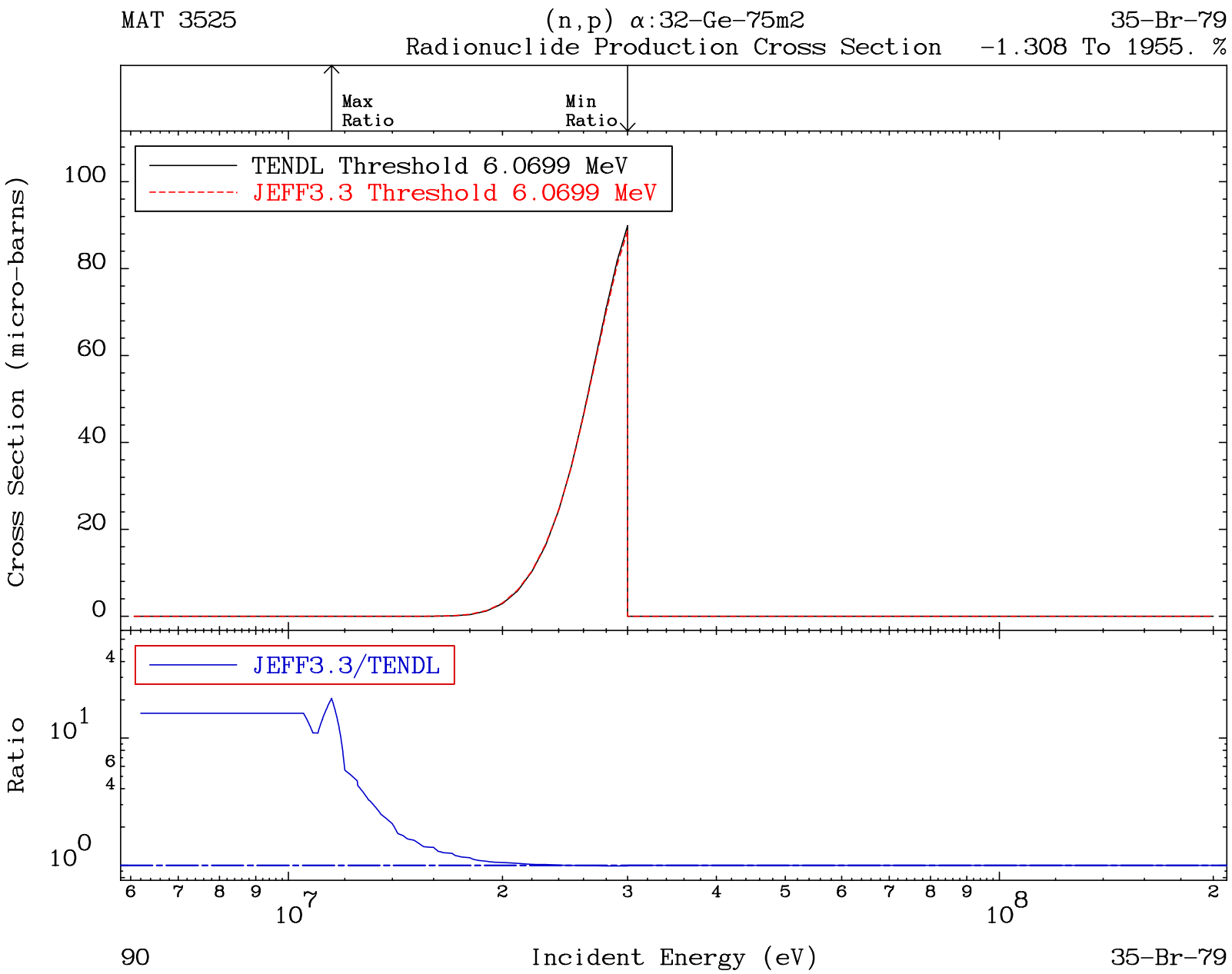

MAT 3525
(n,2n) p:34-Se-77g
35-Br-79
Radionuclide Production Cross Section
-1.019 To 0.092 %
Min Ratio
Max Ratio
TENDL Threshold 17.044 MeV
JEFF3.3 Threshold 17.044 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
35-Br-79


MAT 3525
(n,2n) p:34-Se-77m1
35-Br-79
Radionuclide Production Cross Section -1.014 To 0.086 %
Min Ratio
Max Ratio
TENDL Threshold 17.208 MeV
JEFF3.3 Threshold 17.208 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
35-Br-79


MAT 3525
(n,t):34-Se-77g
35-Br-79
Radionuclide Production Cross Section
-0.119 To 0.035 %
Min Ratio
Max Ratio
TENDL Threshold 8.4537 MeV
JEFF3.3 Threshold 8.4537 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
35-Br-79


MAT 3525
(n,t):34-Se-77m1
35-Br-79
Radionuclide Production Cross Section
-0.191 To 0.034 %
Min Ratio
Max Ratio
TENDL Threshold 8.6177 MeV
JEFF3.3 Threshold 8.6177 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
9
10^7
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
35-Br-79


MAT 3525
(n,p) α:32-Ge-75g
35-Br-79
Radionuclide Production Cross Section -1.327 To 1883. %
Max Ratio
Min Ratio
TENDL Threshold 5.9284 MeV
JEFF3.3 Threshold 5.9284 MeV
Cross Section (micro-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
4
10^1
6
4
10^0
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
89
Incident Energy (eV)
35-Br-79


MAT 3525
(n,p) α:32-Ge-75m2
35-Br-79
Radionuclide Production Cross Section -1.308 To 1955. %
Max Ratio
Min Ratio
TENDL Threshold 6.0699 MeV
JEFF3.3 Threshold 6.0699 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4
10^1
6
4
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
90
Incident Energy (eV)
35-Br-79