Program Complot
(Version 2021-1)
by
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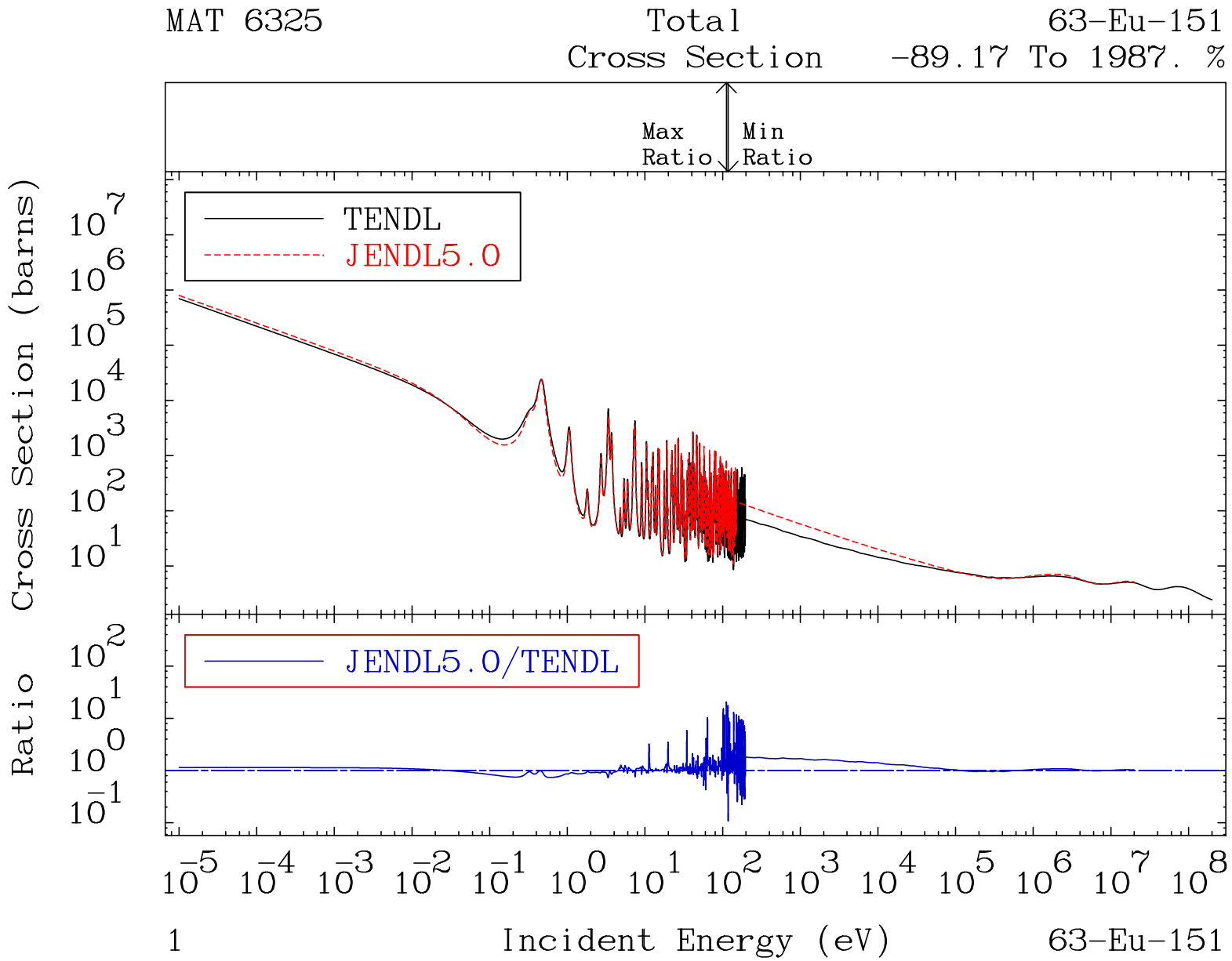
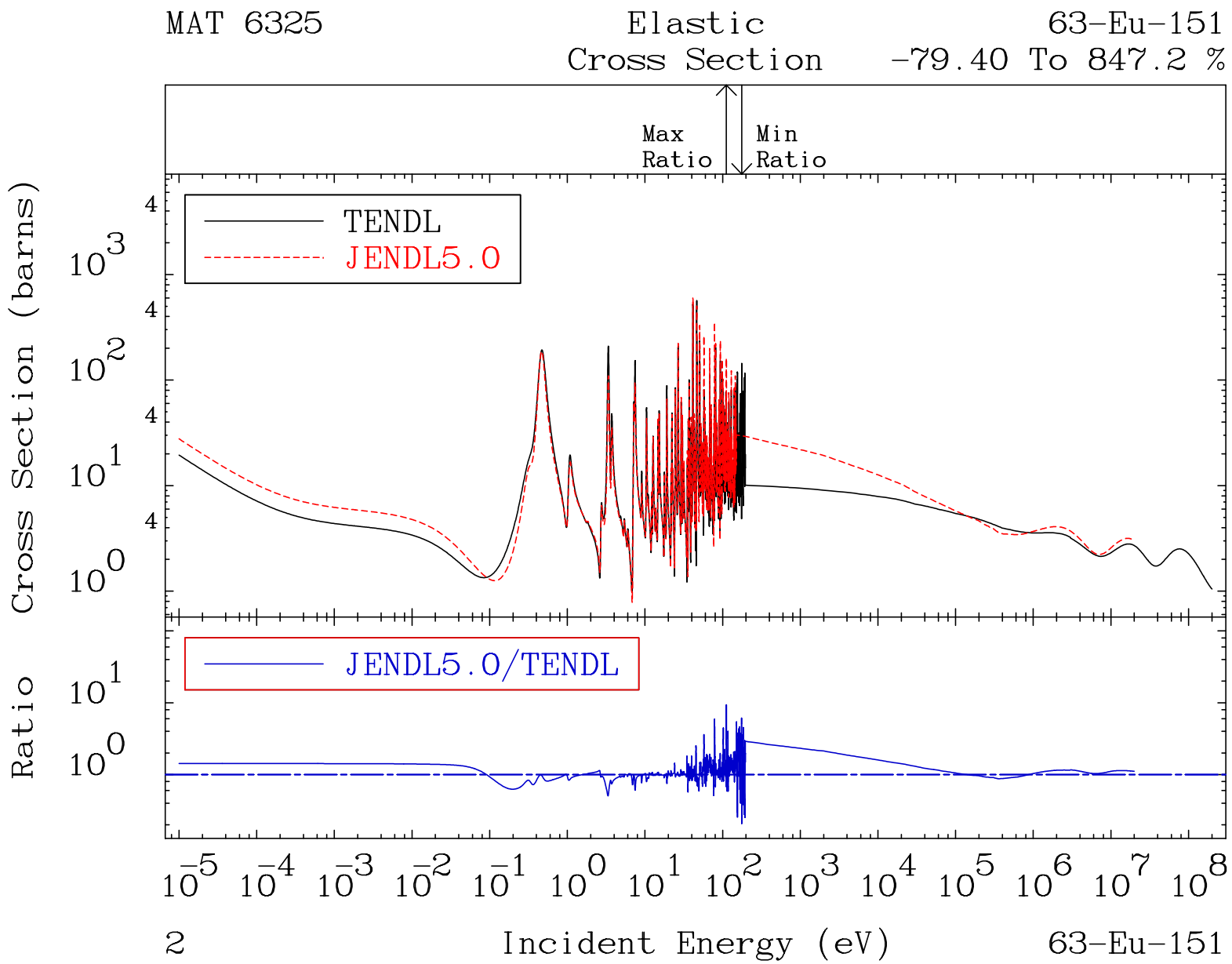
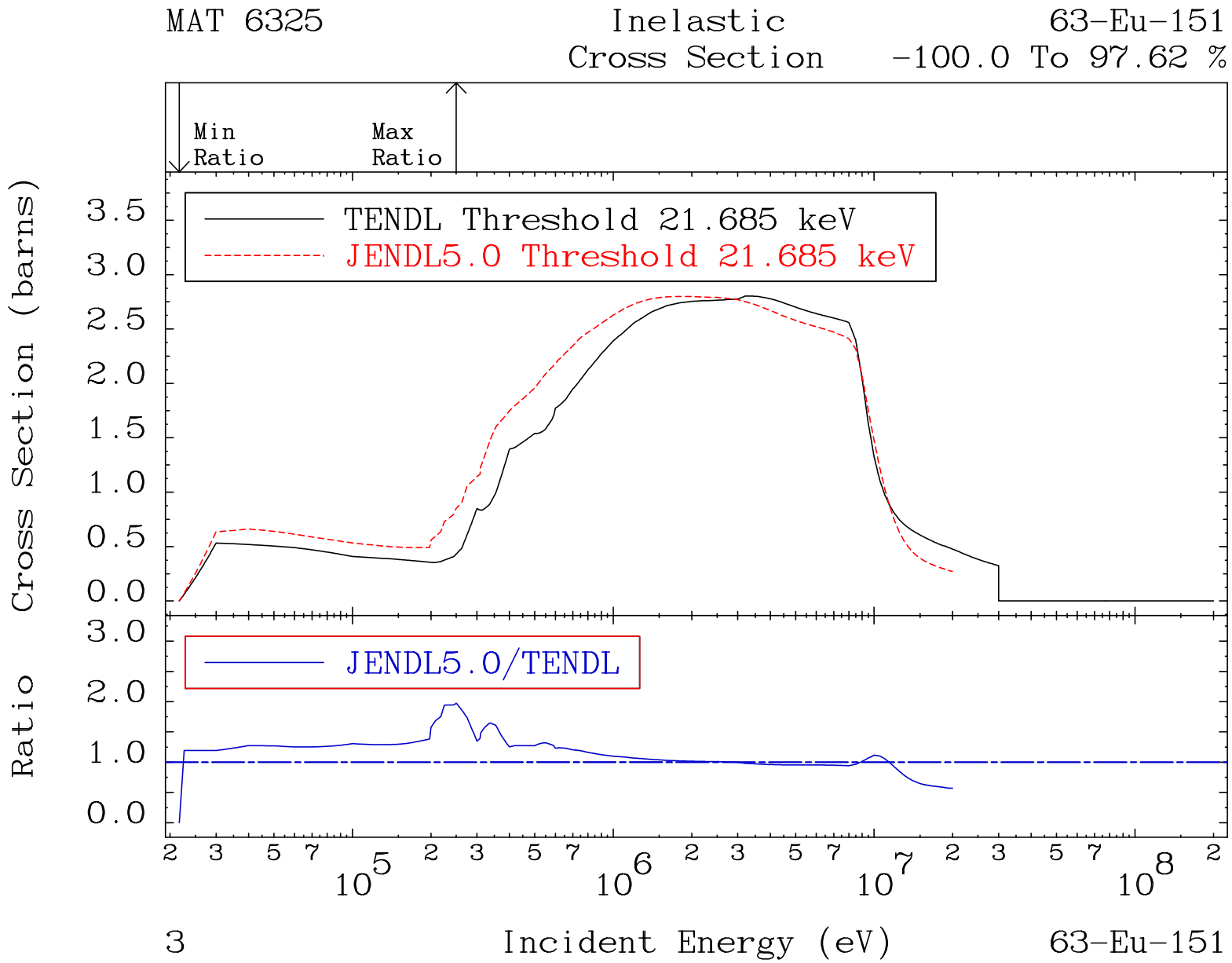
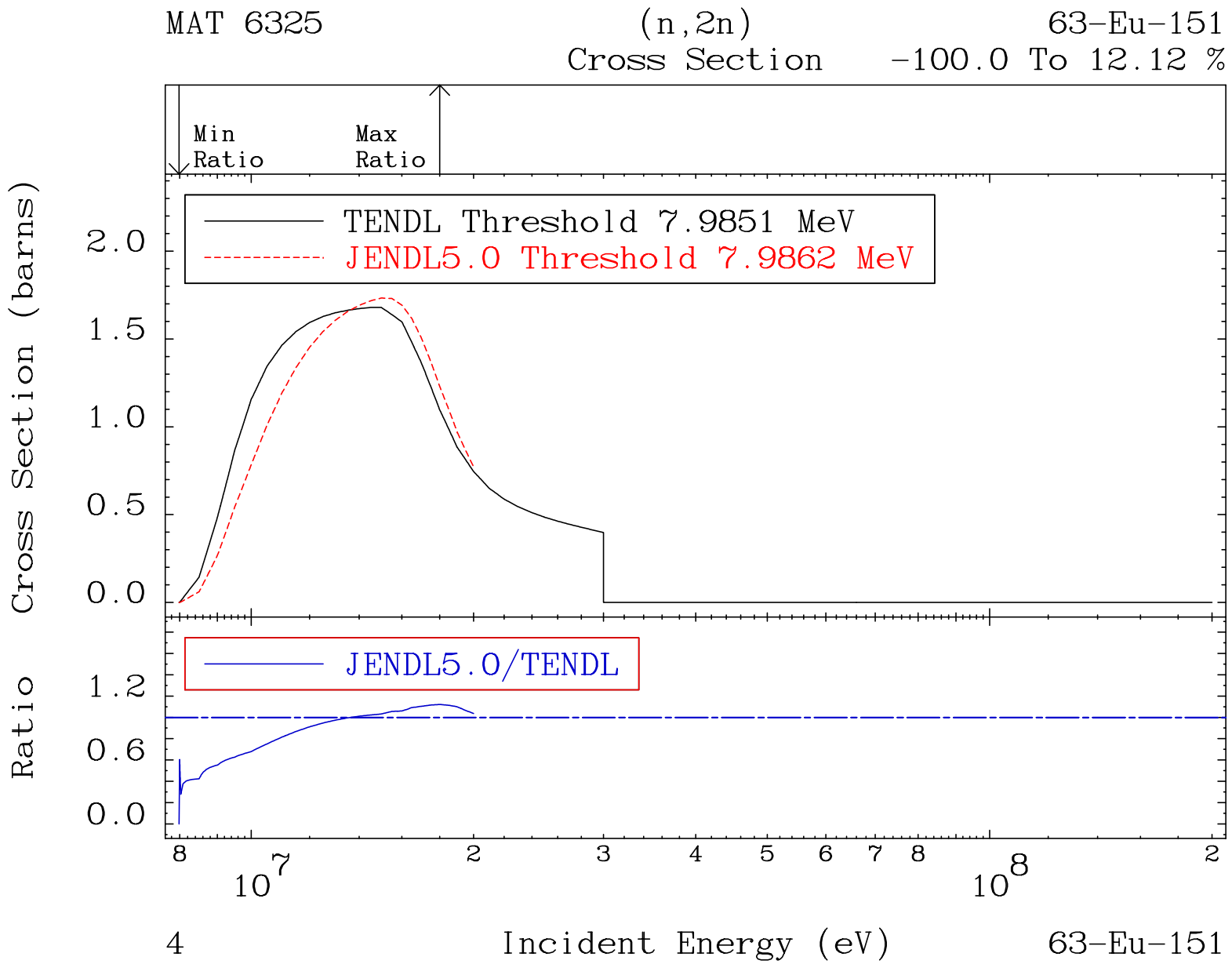
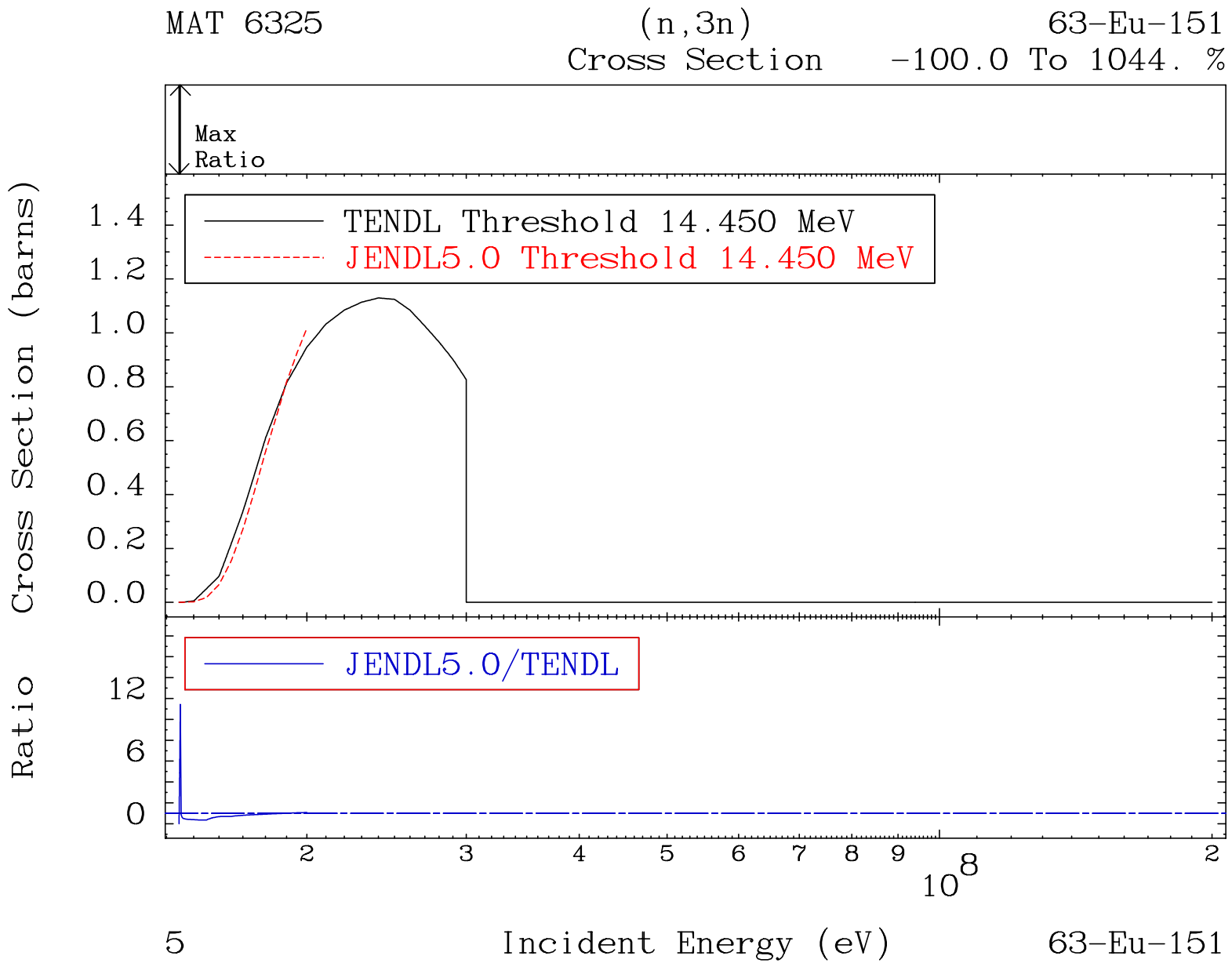
Press Mouse Button to Start

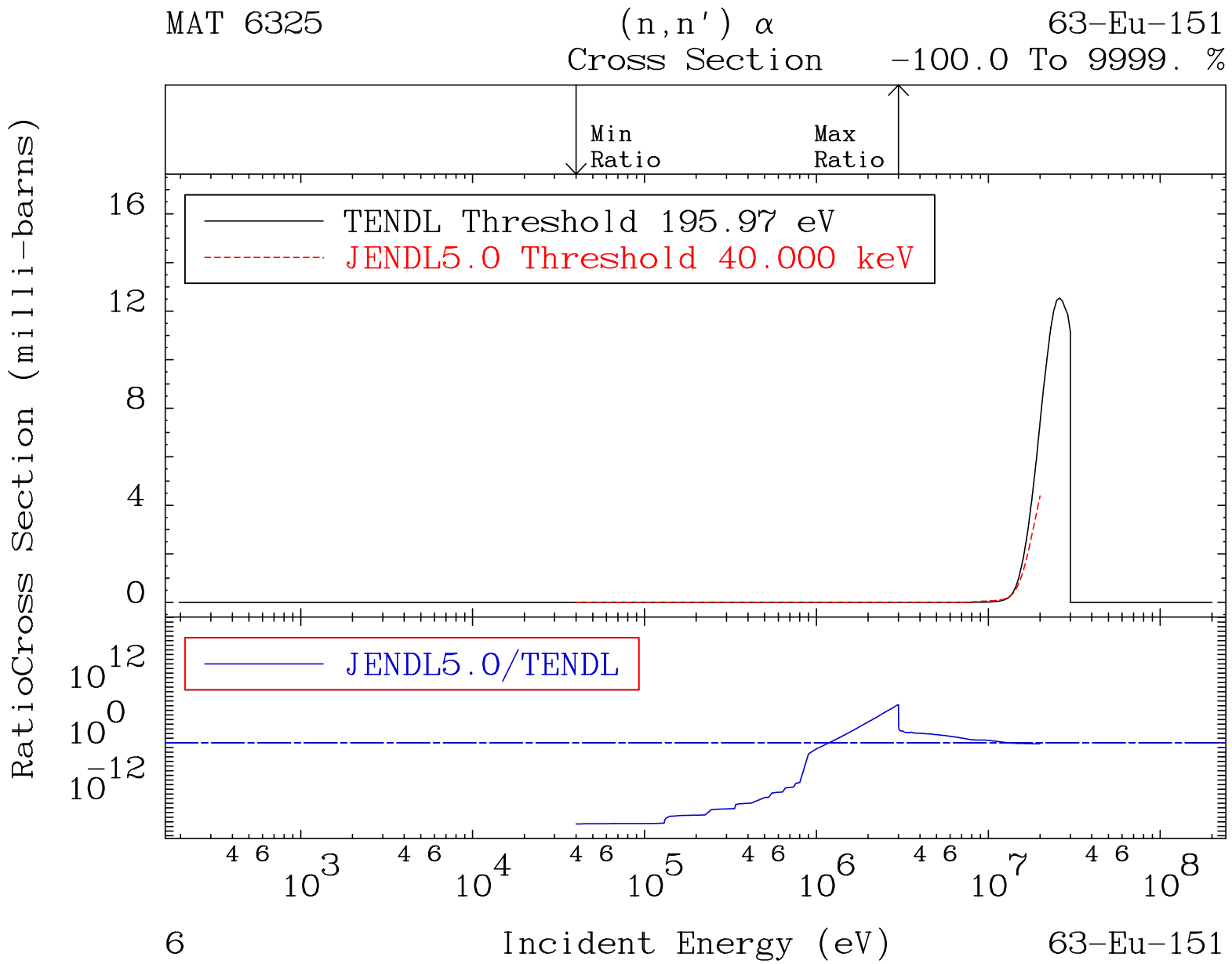

MAT 6325
Total
Cross Section
63-Eu-151
-89.17 To 1987. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63-Eu-151
1

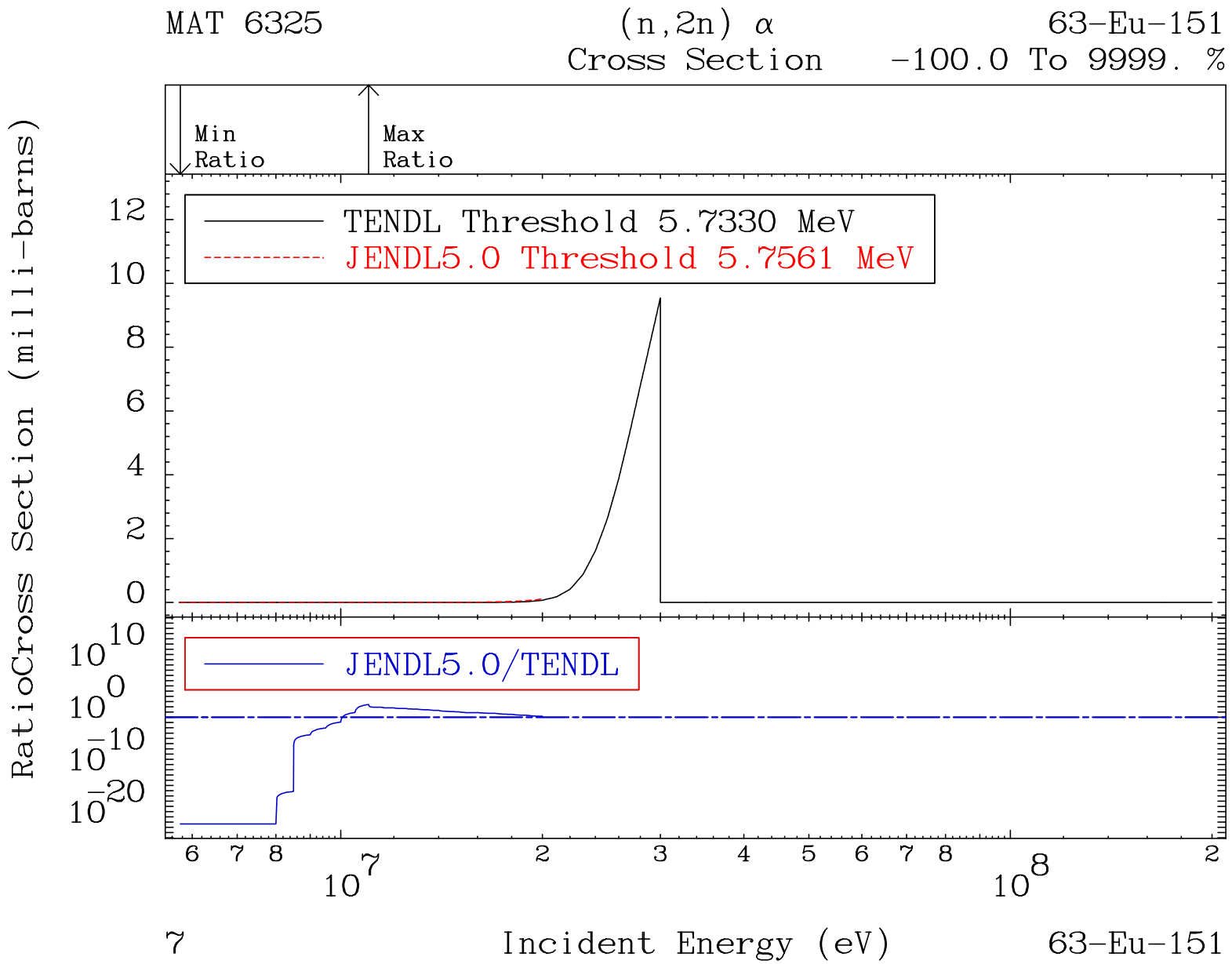

MAT 6325
Elastic
Cross Section
63-Eu-151
-79.40 To 847.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63-Eu-151
2

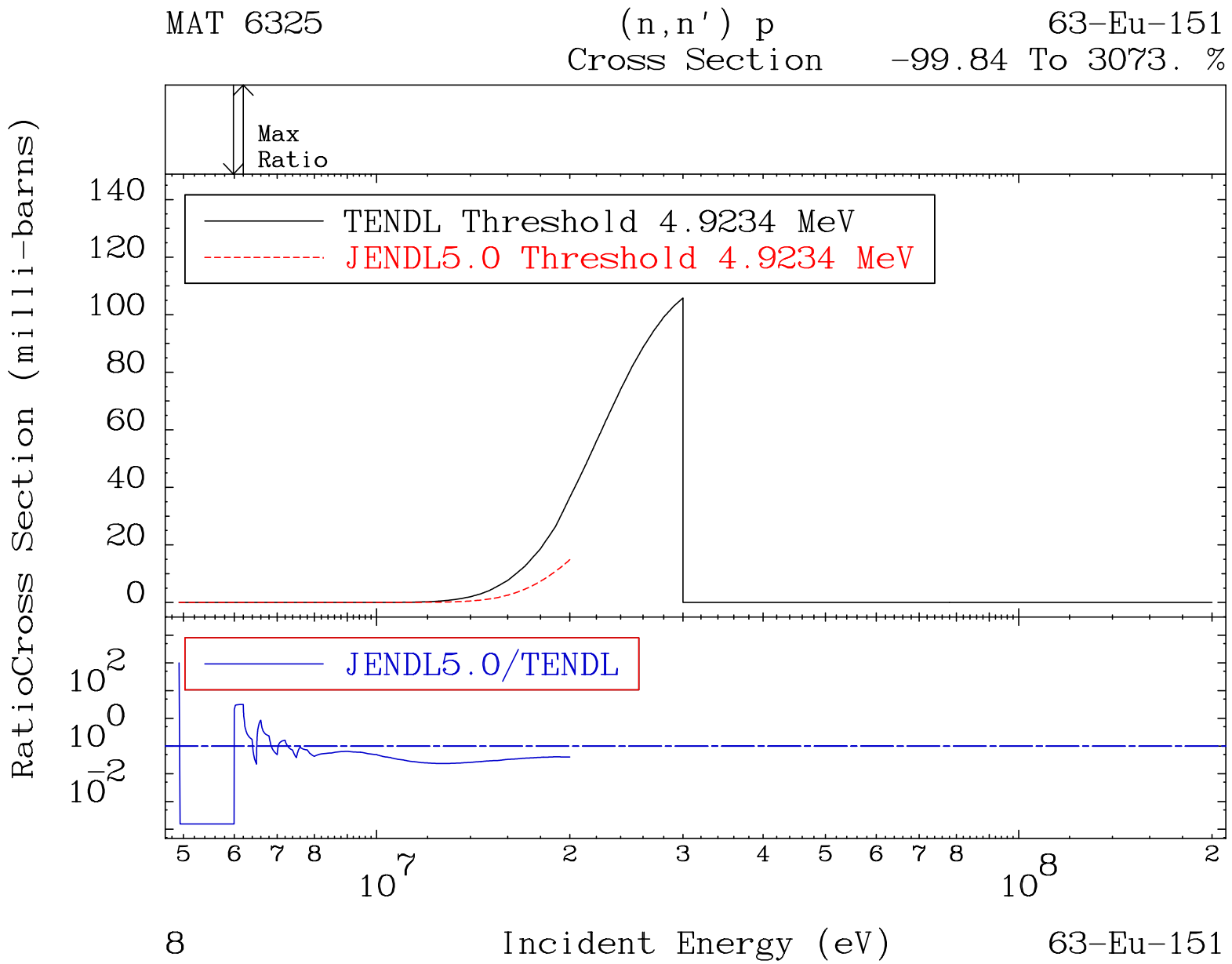

MAT 6325
Inelastic
Cross Section
63-Eu-151
-100.0 To 97.62 %
Min Ratio
Max Ratio
TENDL Threshold 21.685 keV
JENDL5.0 Threshold 21.685 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
63-Eu-151

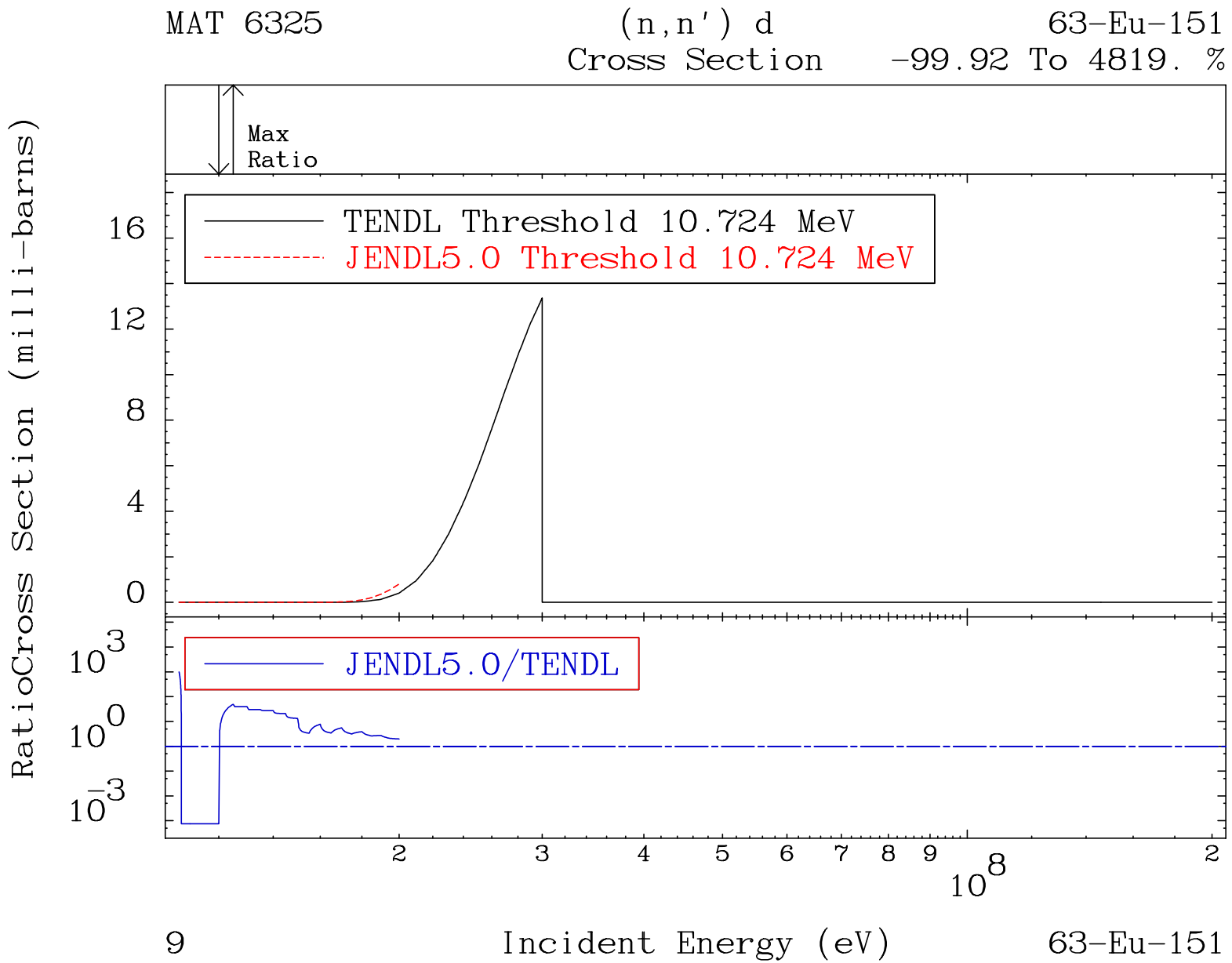

MAT 6325
(n,2n)
Cross Section
63-Eu-151
-100.0 To 12.12 %
Min Ratio
Max Ratio
TENDL Threshold 7.9851 MeV
JENDL5.0 Threshold 7.9862 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
4
Incident Energy (eV)
63-Eu-151

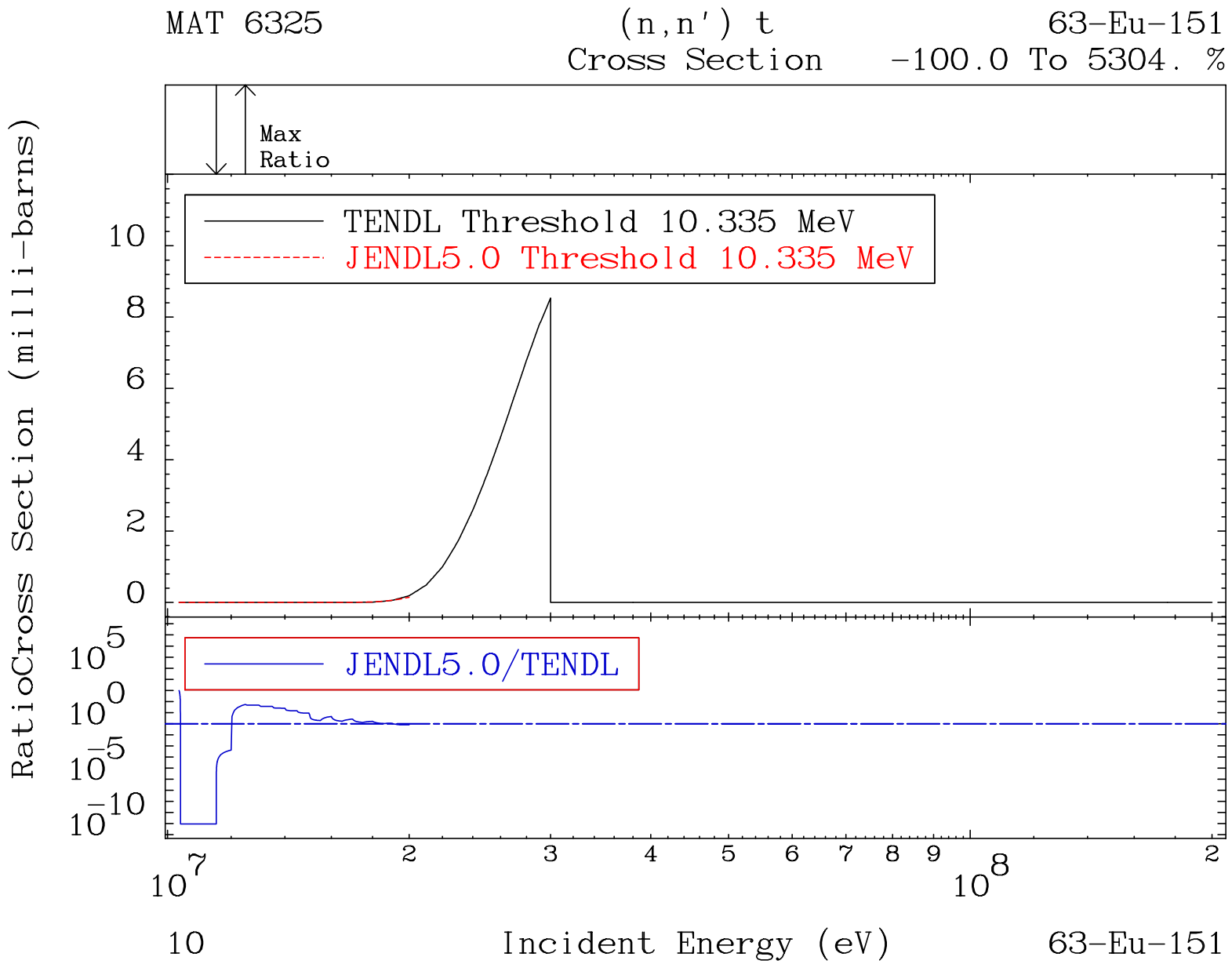

MAT 6325
(n,3n)
63-Eu-151
Cross Section
-100.0 To 1044. %
Max
Ratio
TENDL Threshold 14.450 MeV
JENDL5.0 Threshold 14.450 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
12
6
0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
63-Eu-151

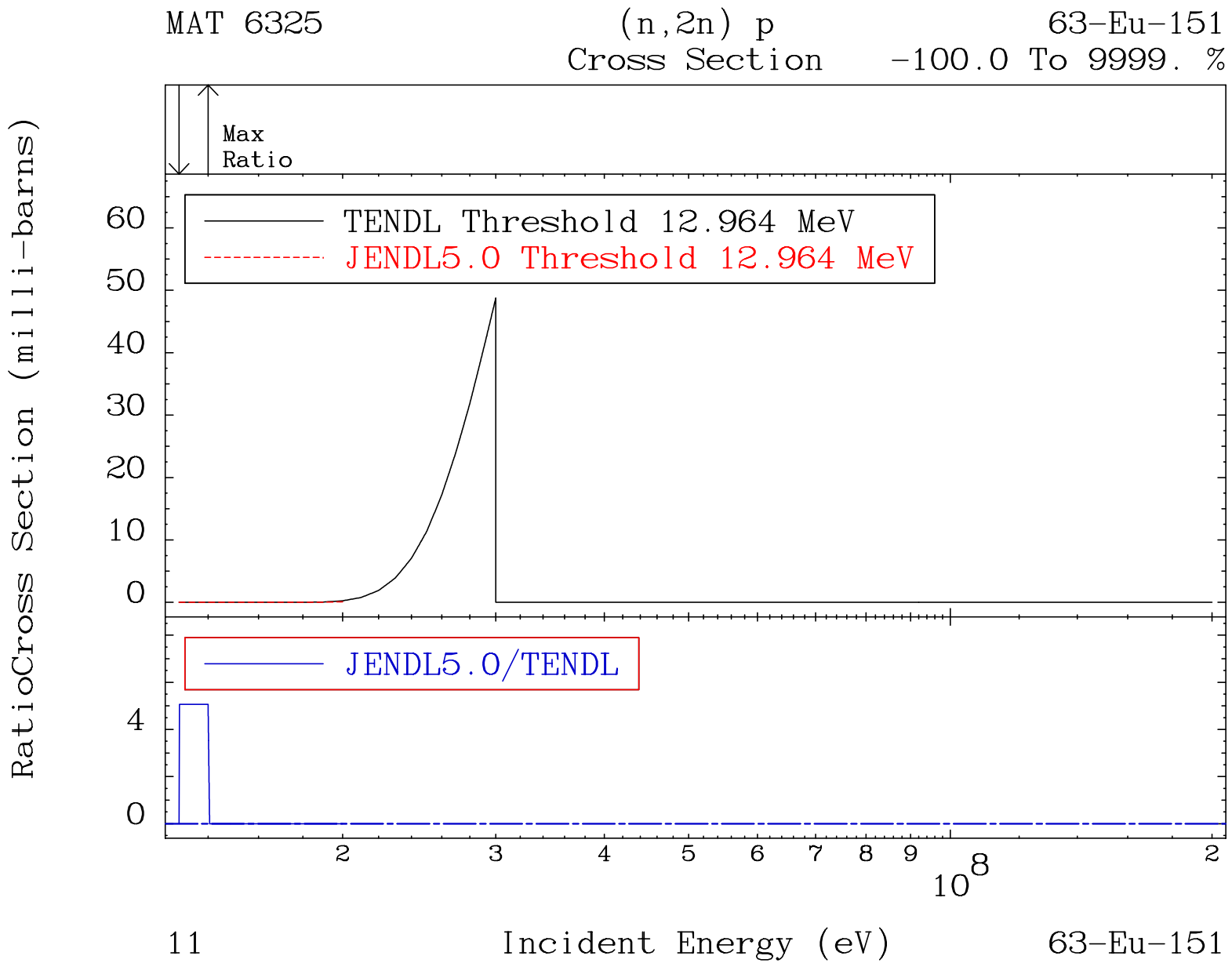

MAT 6325
(n,n') α
Cross Section
63-Eu-151
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 195.97 eV
JENDL5.0 Threshold 40.000 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^12
10^0
10^-12
4 6 10^3 4 6 10^4 4 6 10^5 4 6 10^6 4 6 10^7 4 6 10^8
6
Incident Energy (eV)
63-Eu-151

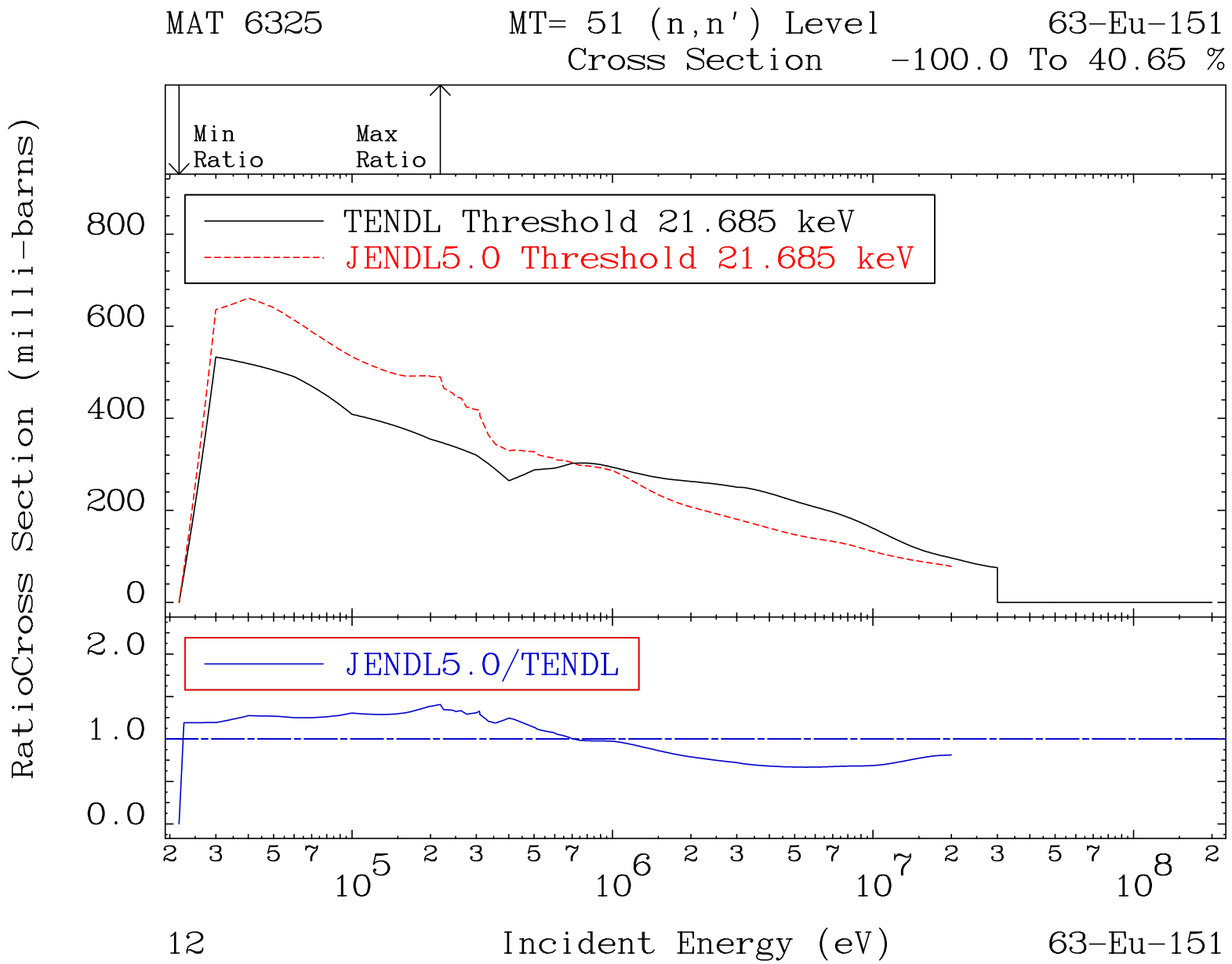

MAT 6325
(n,2n) α
63-Eu-151
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.7330 MeV
JENDL5.0 Threshold 5.7561 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
7
63-Eu-151

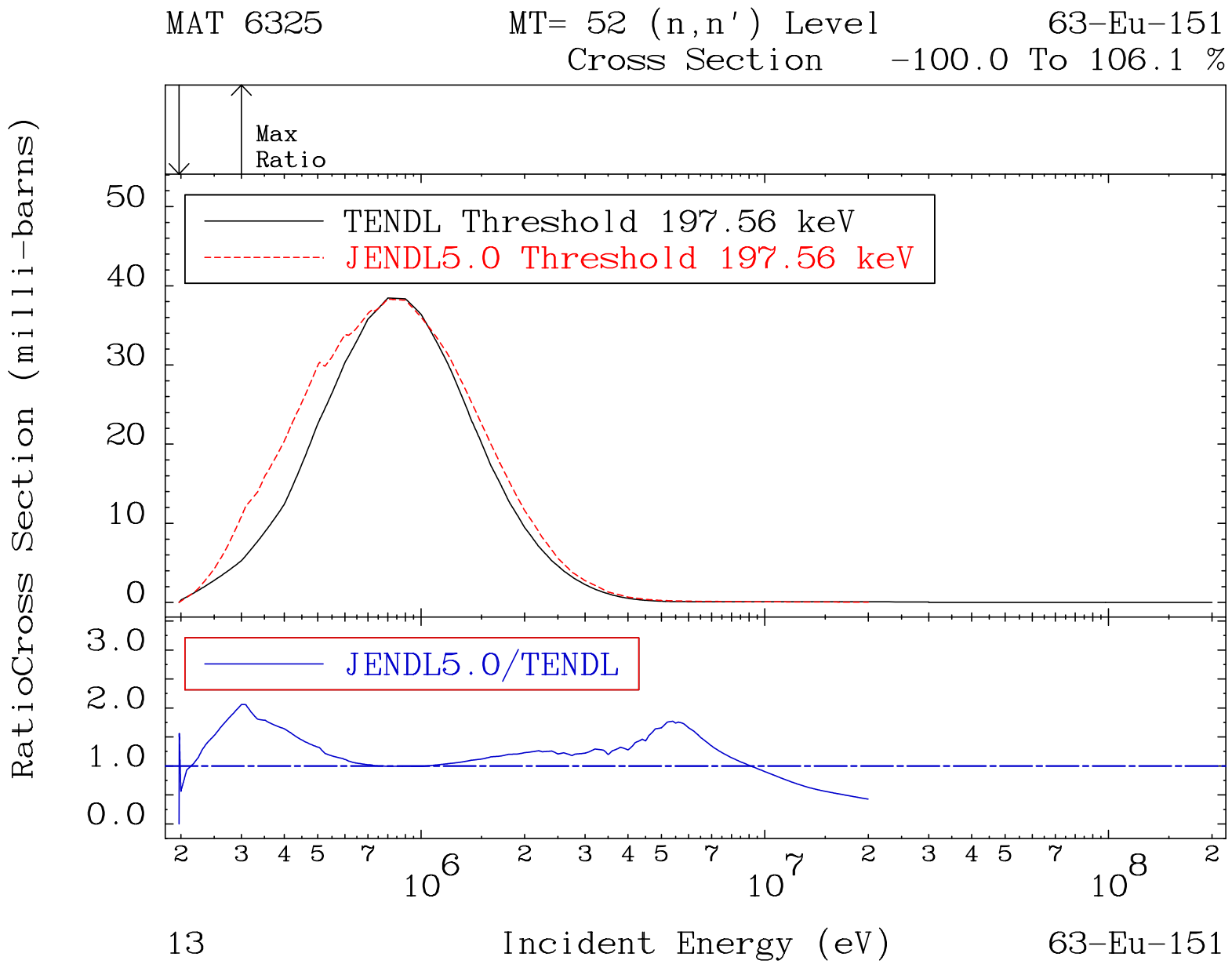

MAT 6325
(n,n') p
Cross Section
63-Eu-151
-99.84 To 3073. %
Max
Ratio
TENDL Threshold 4.9234 MeV
JENDL5.0 Threshold 4.9234 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^2
10^0
10^-2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
8
63-Eu-151

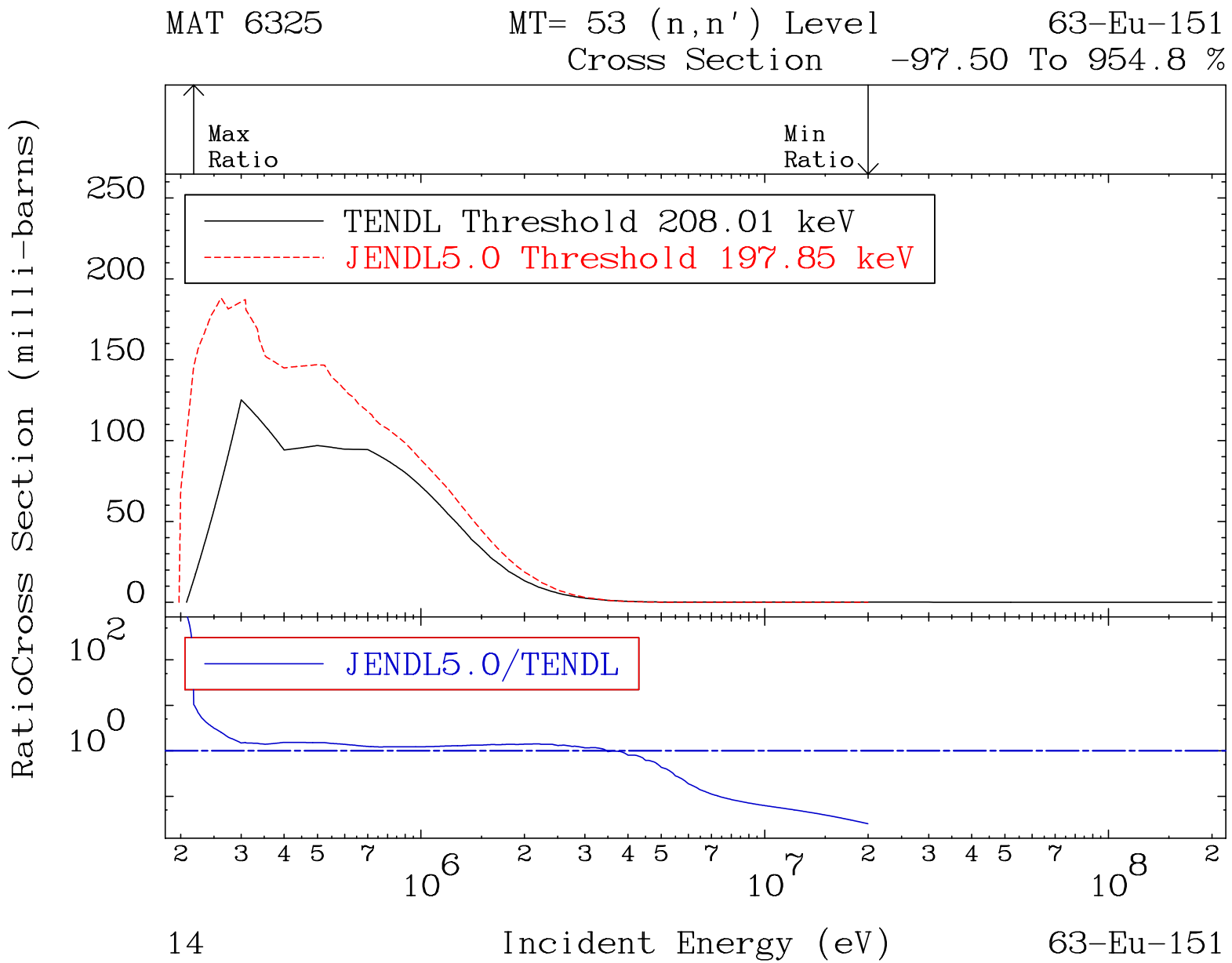

MAT 6325
(n,n') d
Cross Section
63-Eu-151
-99.92 To 4819. %
Max
Ratio
TENDL Threshold 10.724 MeV
JENDL5.0 Threshold 10.724 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^3
10^0
10^-3
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
63-Eu-151

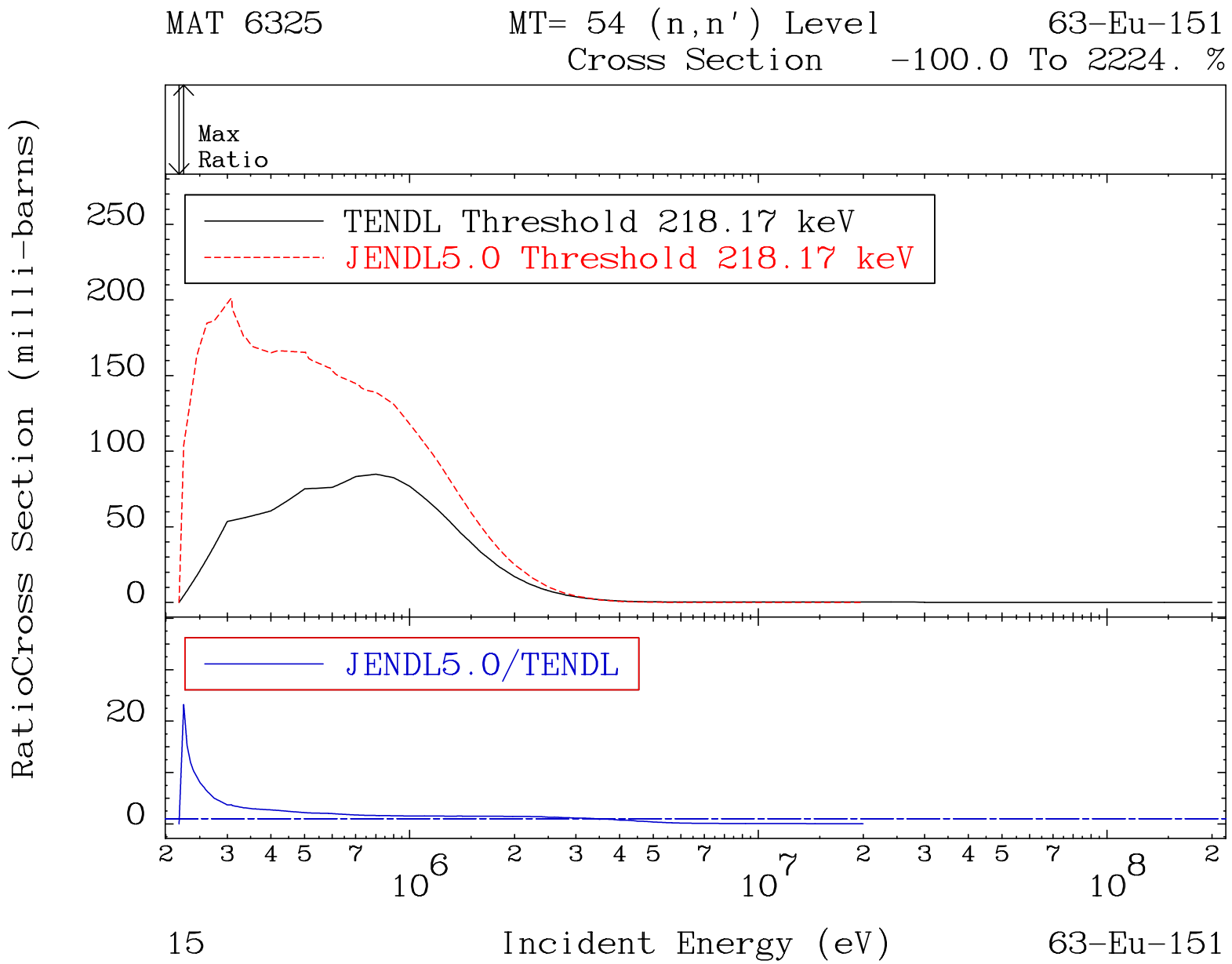

MAT 6325
(n,n') t
Cross Section
63-Eu-151
-100.0 To 5304. %
Max
Ratio
TENDL Threshold 10.335 MeV
JENDL5.0 Threshold 10.335 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63-Eu-151

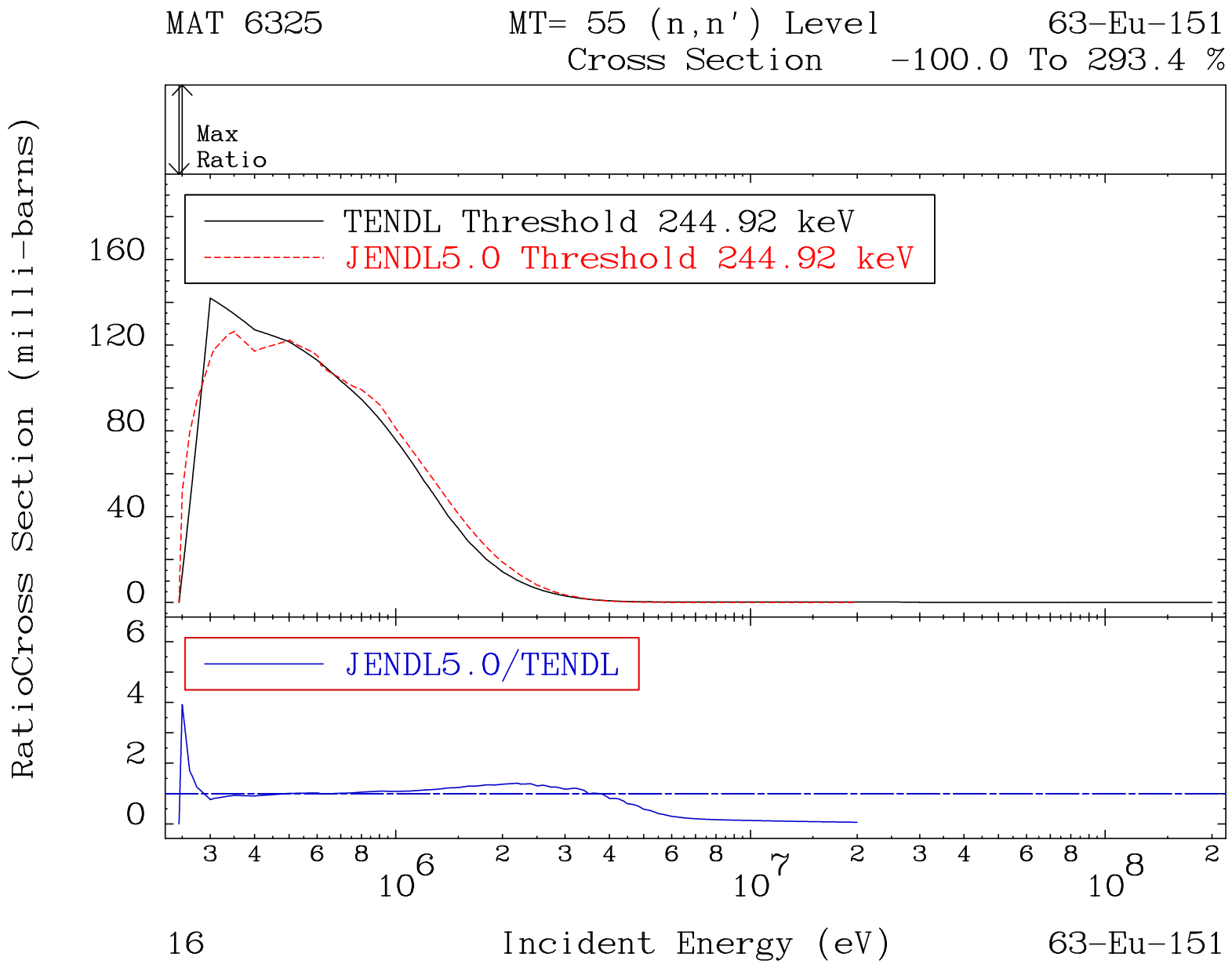

MAT 6325
(n,2n) p
Cross Section
63-Eu-151
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.964 MeV
JENDL5.0 Threshold 12.964 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
0
2
3
4
5
6
7
8
9
2
10^8
11
Incident Energy (eV)
63-Eu-151

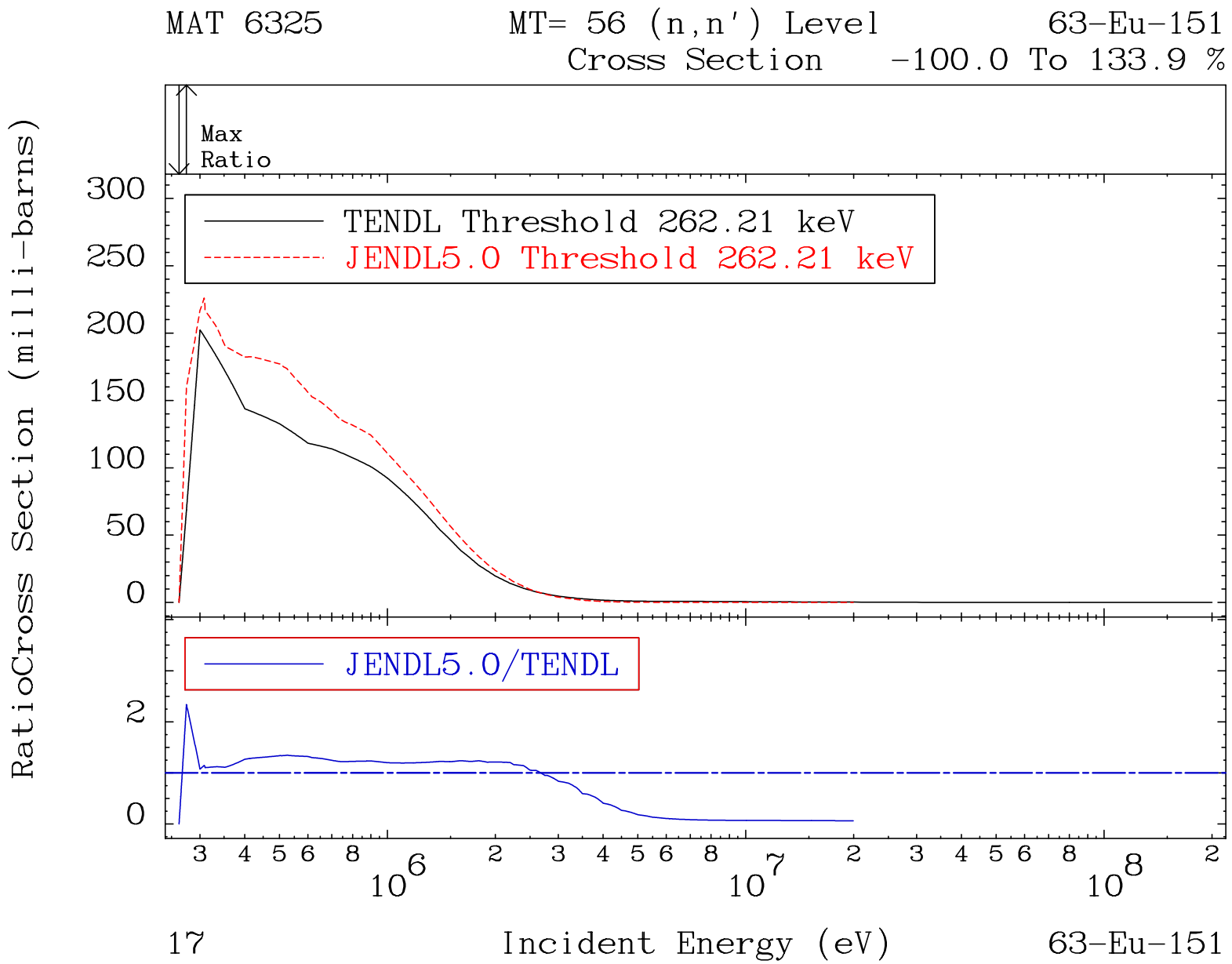

MAT 6325
MT= 51 (n,n') Level
63-Eu-151
Cross Section -100.0 To 40.65 %
Min Ratio
Max Ratio
TENDL Threshold 21.685 keV
JENDL5.0 Threshold 21.685 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
12
Incident Energy (eV)
63-Eu-151

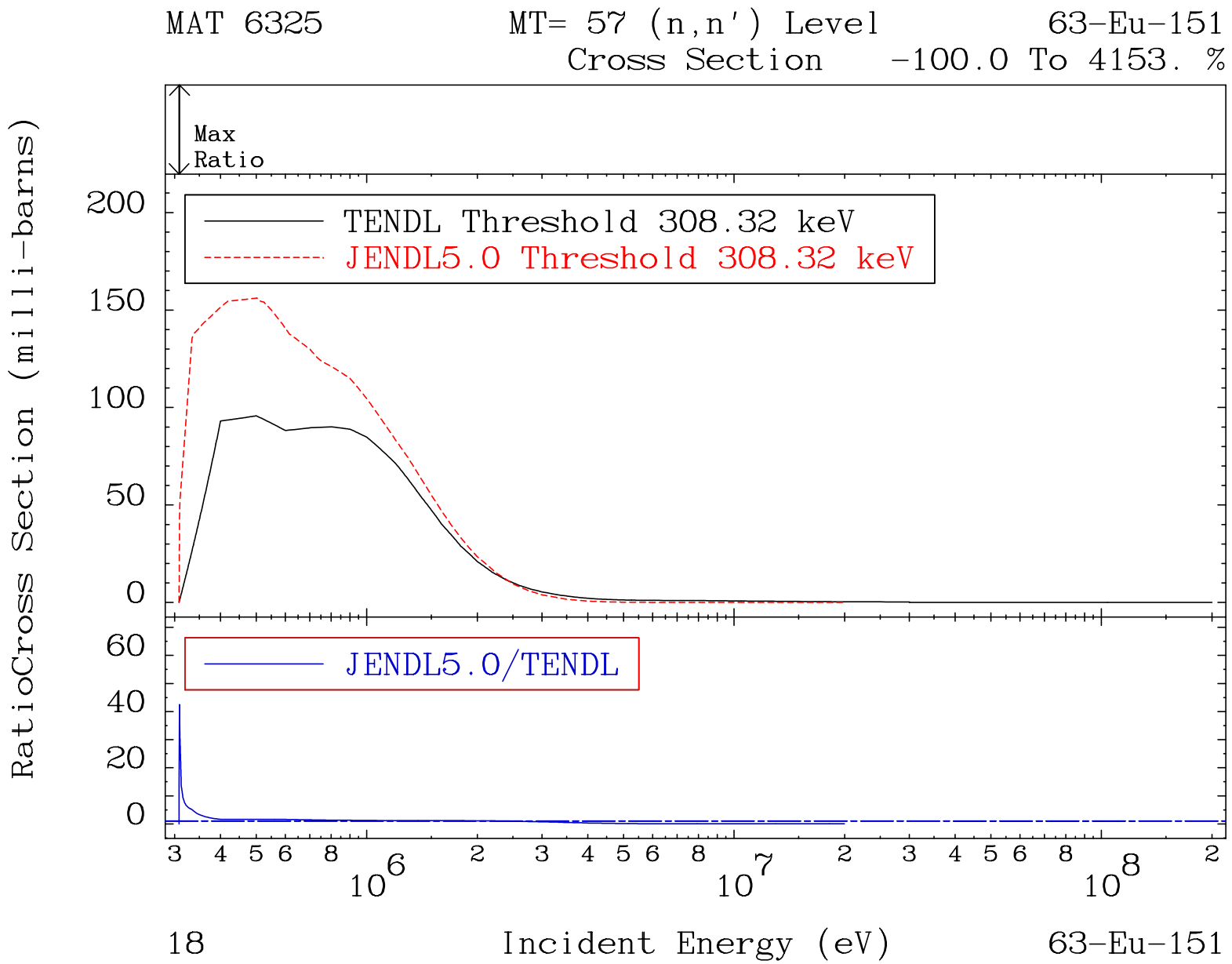

MAT 6325
MT= 52 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 106.1 %
Max
Ratio
TENDL Threshold 197.56 keV
JENDL5.0 Threshold 197.56 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
0.0
2
3
4
5
7
10^6
10^7
10^8
13
Incident Energy (eV)
63-Eu-151

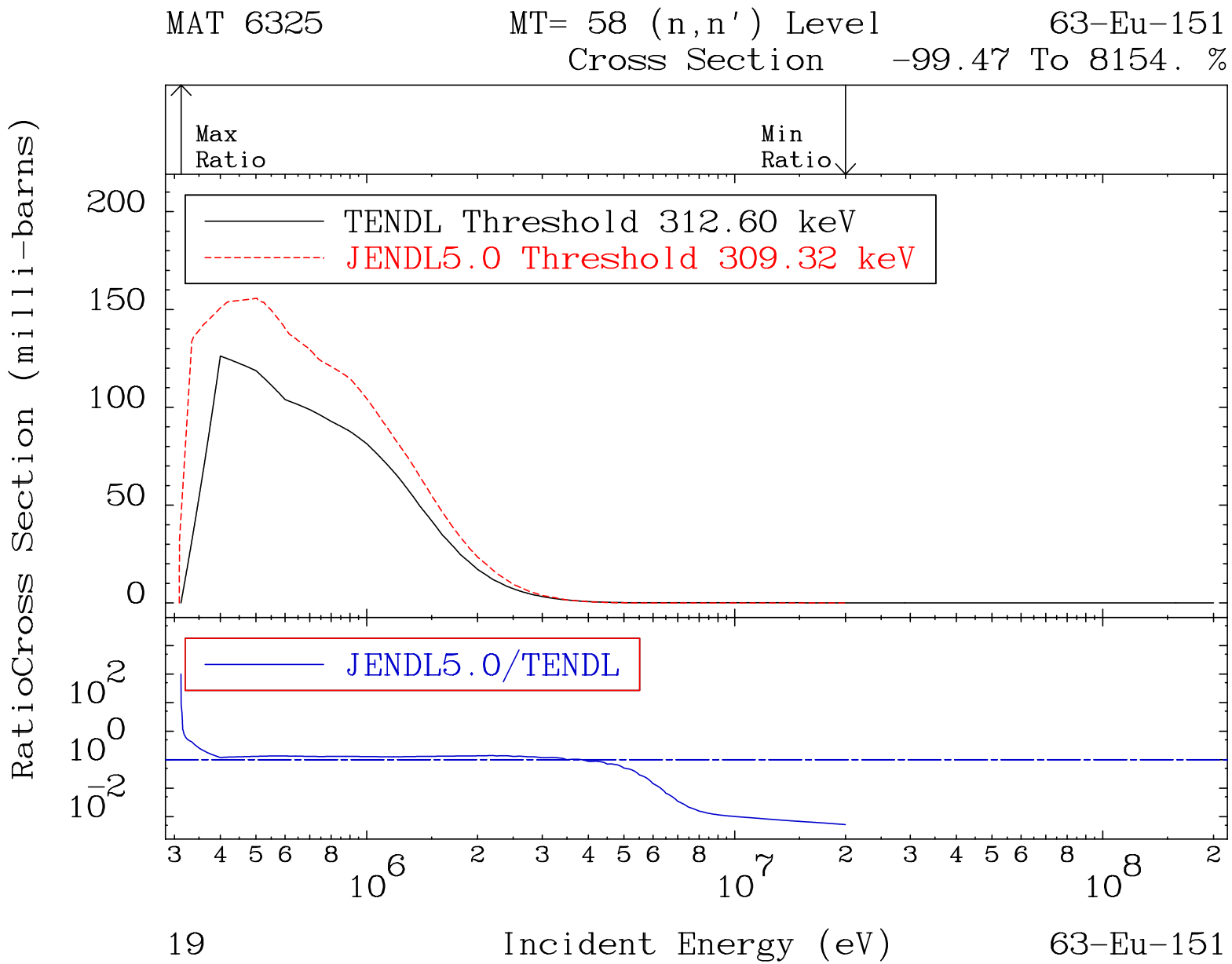

MAT 6325
MT= 53 (n,n') Level
Cross Section
63-Eu-151
-97.50 To 954.8 %
Max Ratio
Min Ratio
TENDL Threshold 208.01 keV
JENDL5.0 Threshold 197.85 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
63-Eu-151

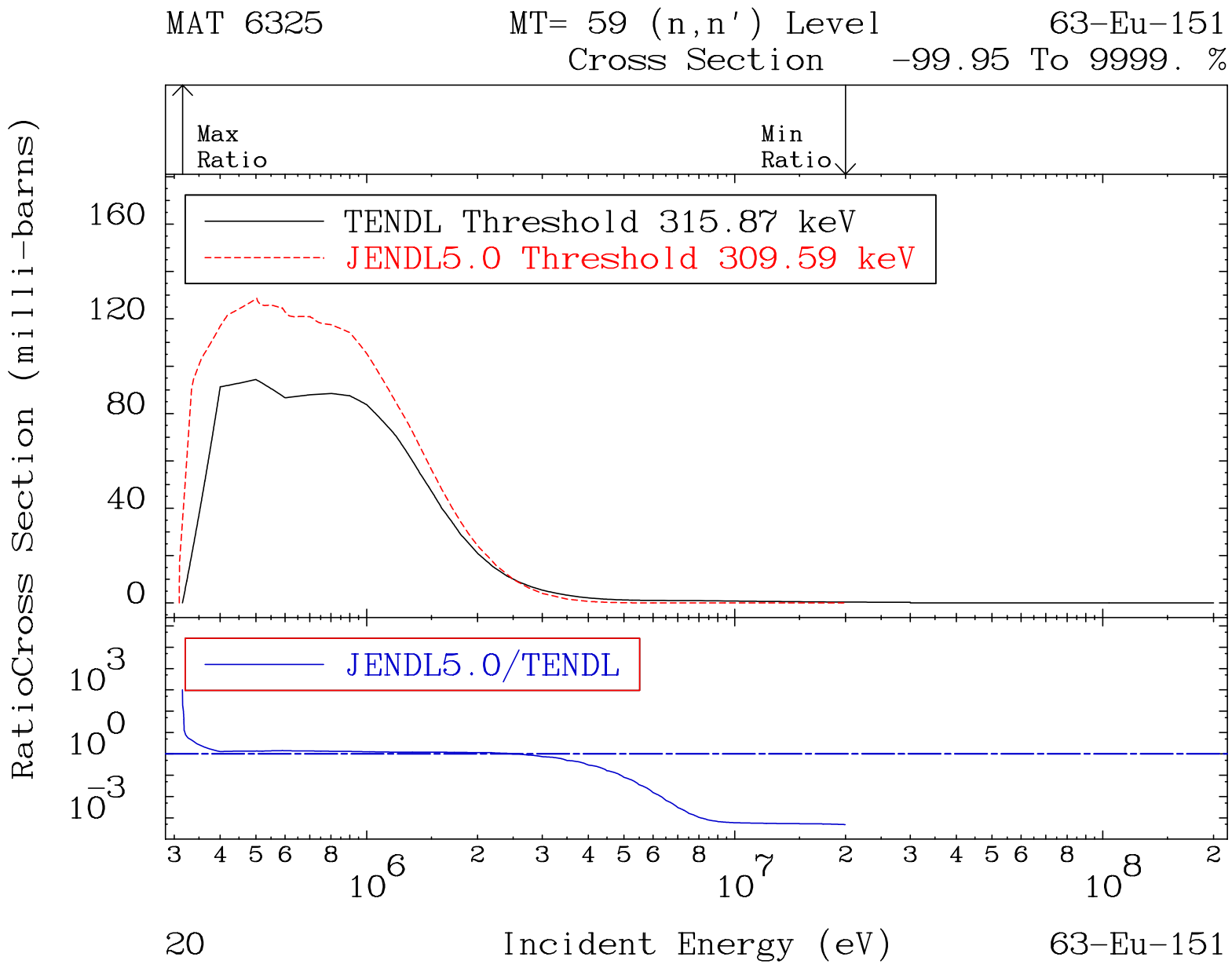

MAT 6325
MT= 54 (n,n') Level
63-Eu-151
Cross Section -100.0 To 2224. %
Max
Ratio
TENDL Threshold 218.17 keV
JENDL5.0 Threshold 218.17 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
15
Incident Energy (eV)
63-Eu-151

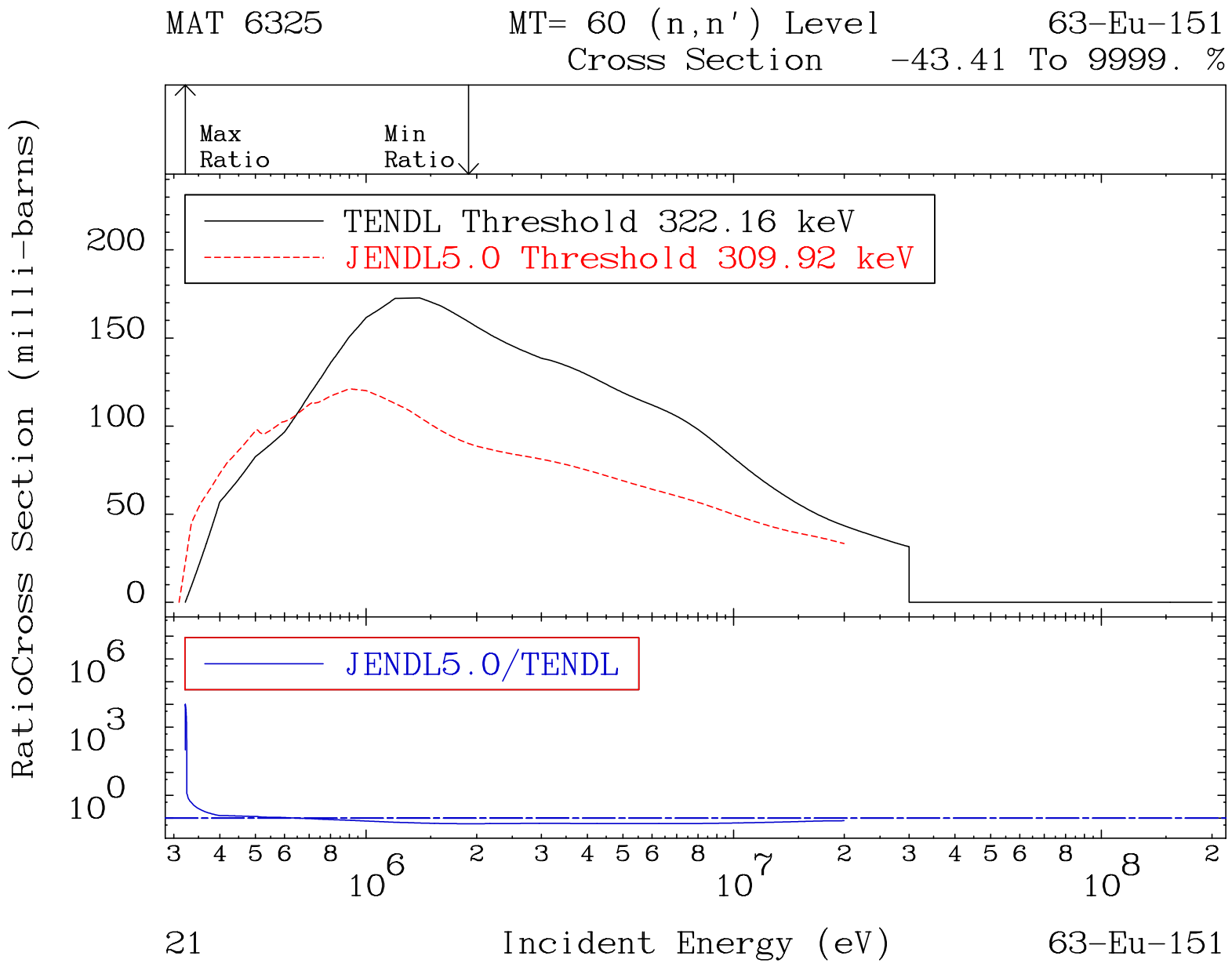

MAT 6325
MT= 55 (n,n') Level
63-Eu-151
Cross Section -100.0 To 293.4 %
Max
Ratio
TENDL Threshold 244.92 keV
JENDL5.0 Threshold 244.92 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
6
4
2
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
16
Incident Energy (eV)
63-Eu-151

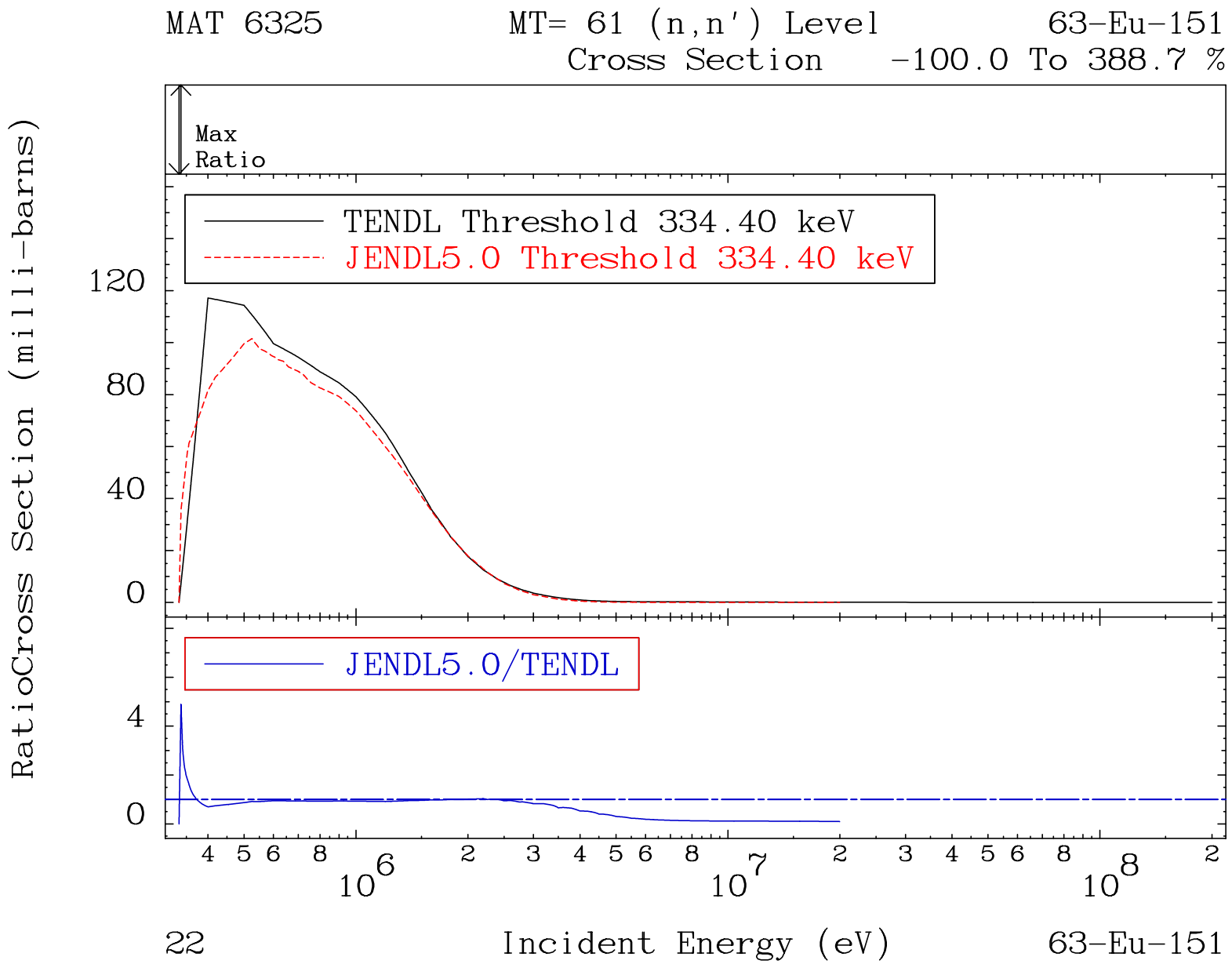

MAT 6325
MT= 56 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 133.9 %
Max
Ratio
TENDL Threshold 262.21 keV
JENDL5.0 Threshold 262.21 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
63-Eu-151

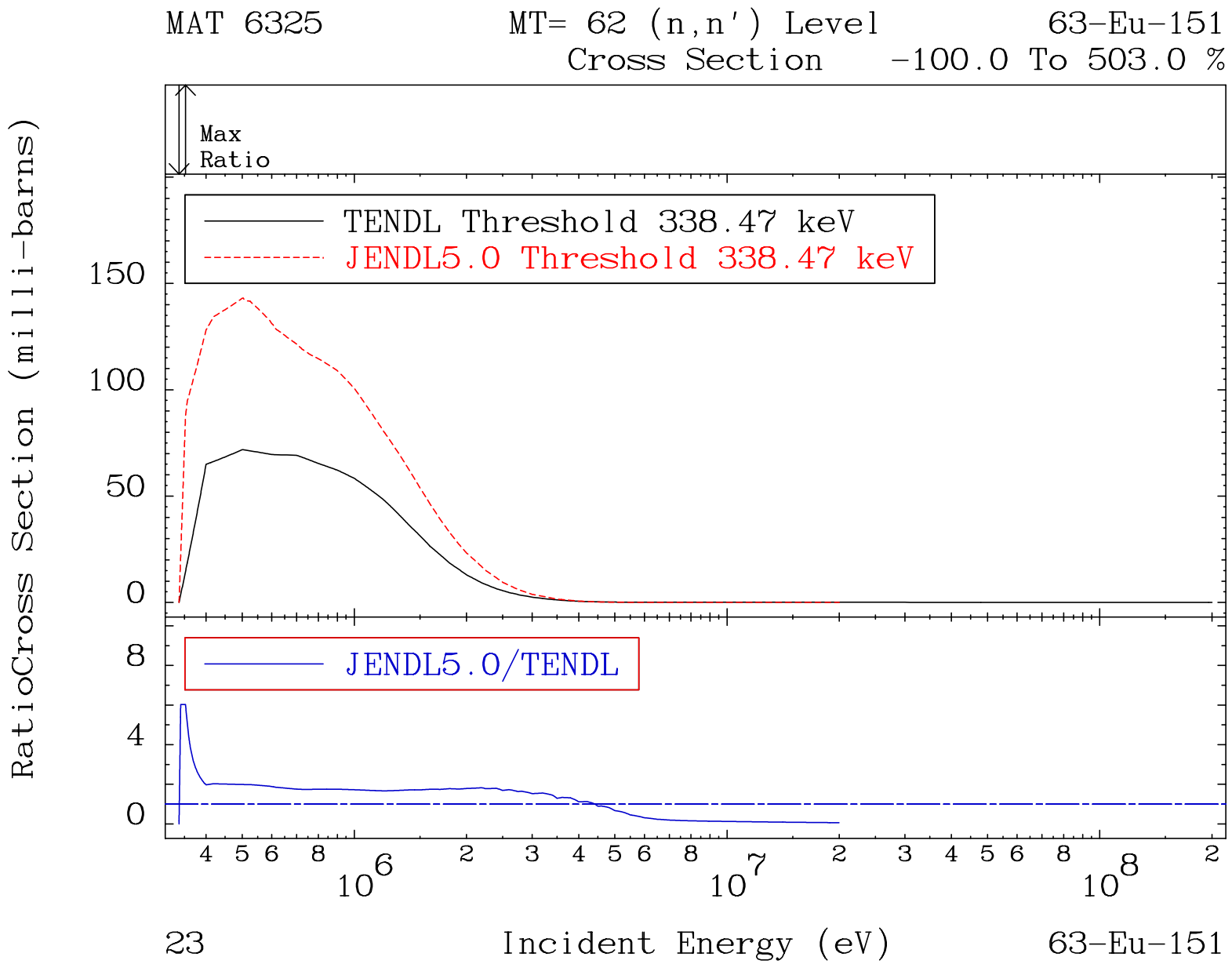

MAT 6325
MT= 57 (n,n') Level
63-Eu-151
Cross Section -100.0 To 4153. %
Max
Ratio
TENDL Threshold 308.32 keV
JENDL5.0 Threshold 308.32 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
60
40
20
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
63-Eu-151

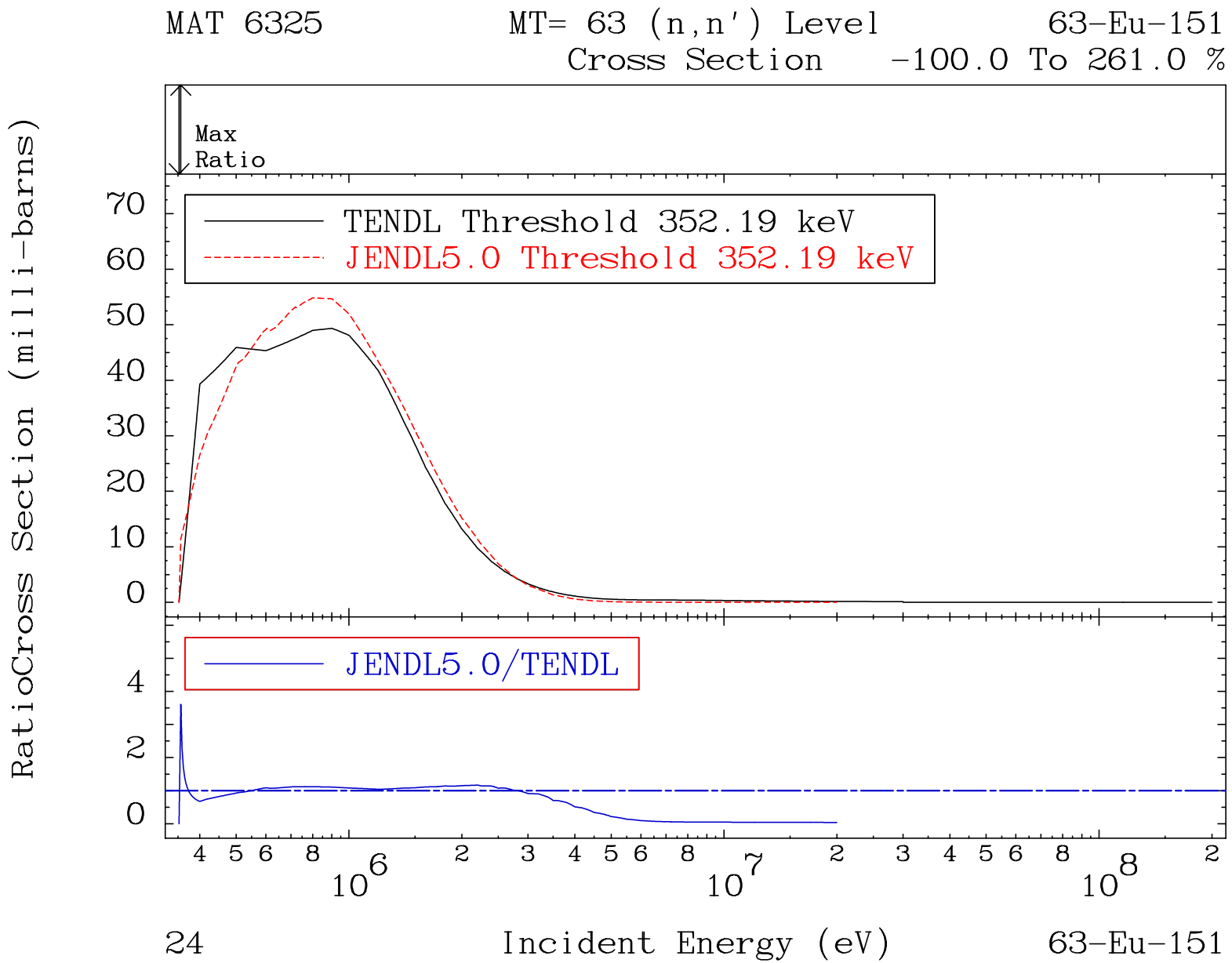

MAT 6325
MT= 58 (n,n') Level
63-Eu-151
Cross Section
-99.47 To 8154. %
Max Ratio
Min Ratio
TENDL Threshold 312.60 keV
JENDL5.0 Threshold 309.32 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^{2}
10^{0}
10^{-2}
3 4 5 6 8 10^{6} 2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
19
Incident Energy (eV)
63-Eu-151

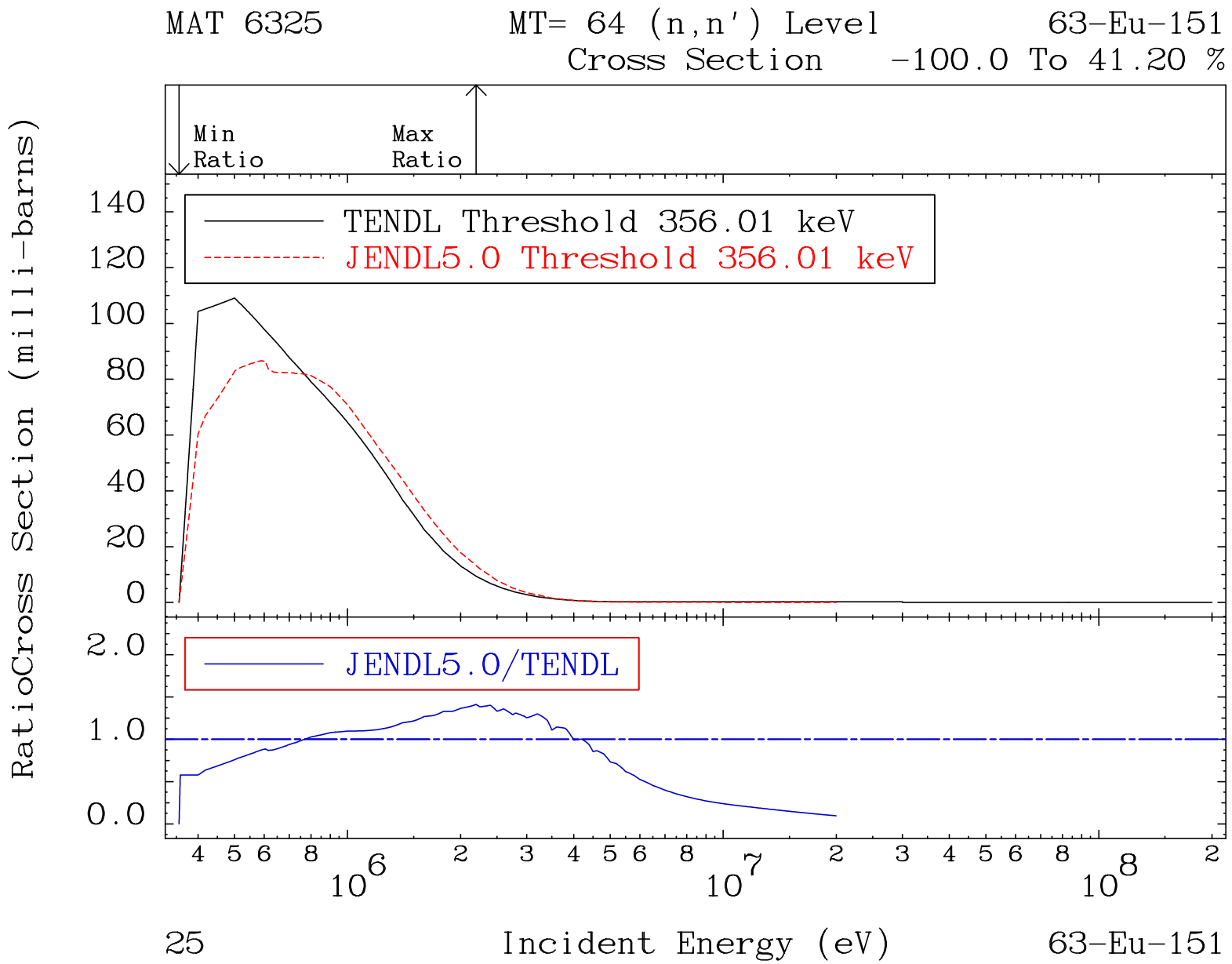

MAT 6325
MT= 59 (n,n') Level
63-Eu-151
Cross Section
-99.95 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 315.87 keV
JENDL5.0 Threshold 309.59 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^3
10^0
10^-3
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
63-Eu-151

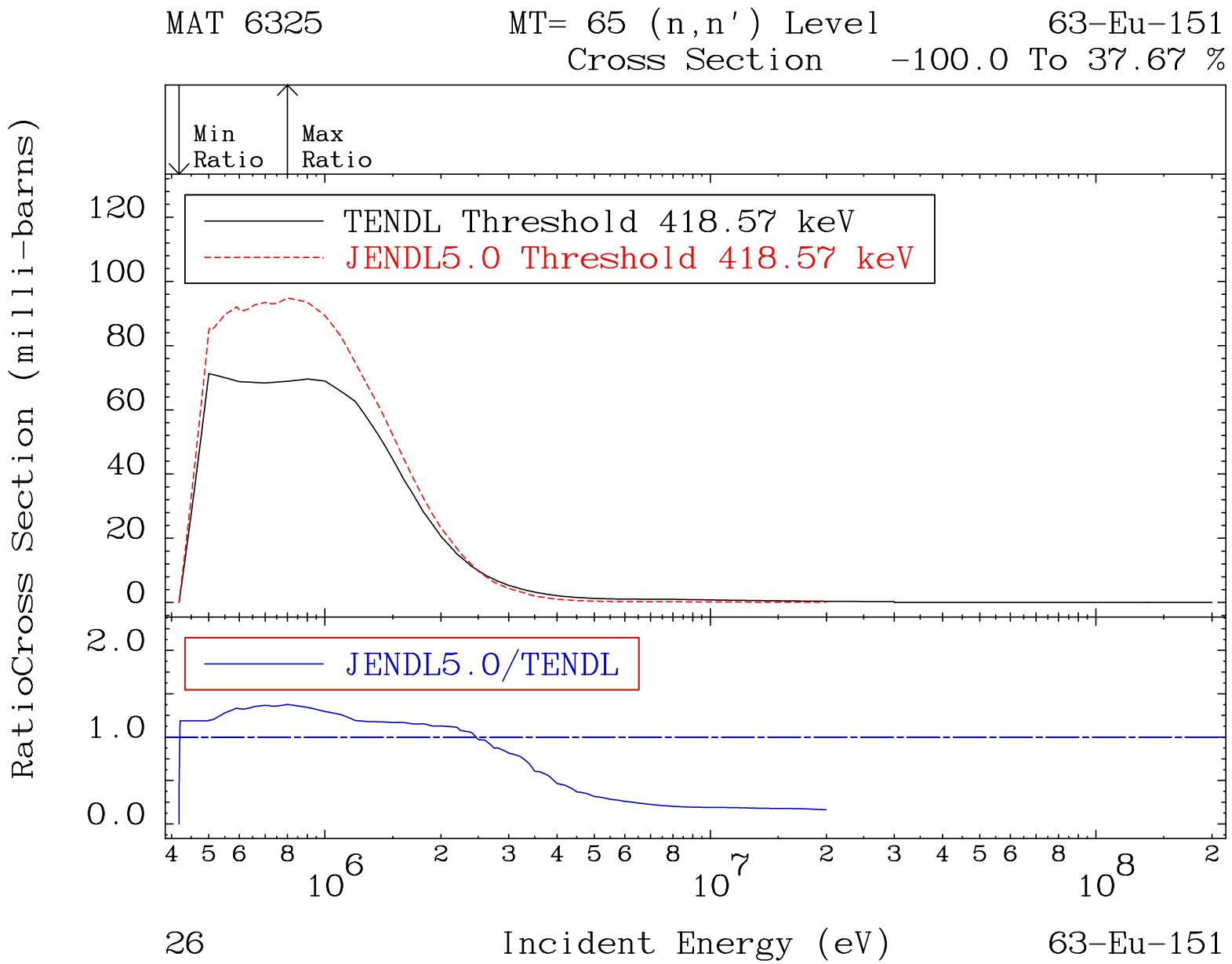

MAT 6325
MT= 60 (n,n') Level
63-Eu-151
Cross Section -43.41 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 322.16 keV
JENDL5.0 Threshold 309.92 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^6
10^3
10^0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
63-Eu-151

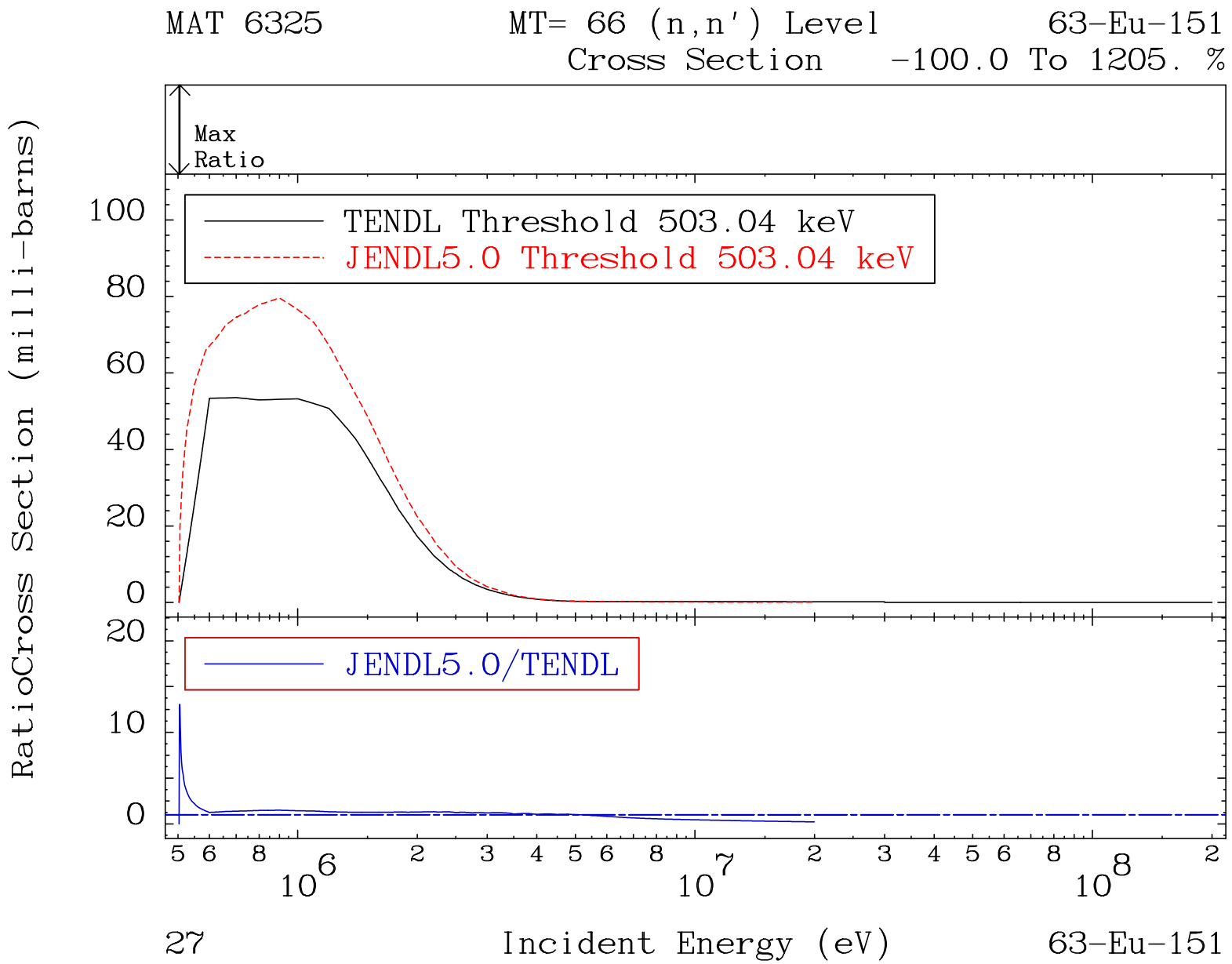

MAT 6325
MT= 61 (n,n') Level
63-Eu-151
Cross Section -100.0 To 388.7 %
Max
Ratio
TENDL Threshold 334.40 keV
JENDL5.0 Threshold 334.40 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
4
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
63-Eu-151

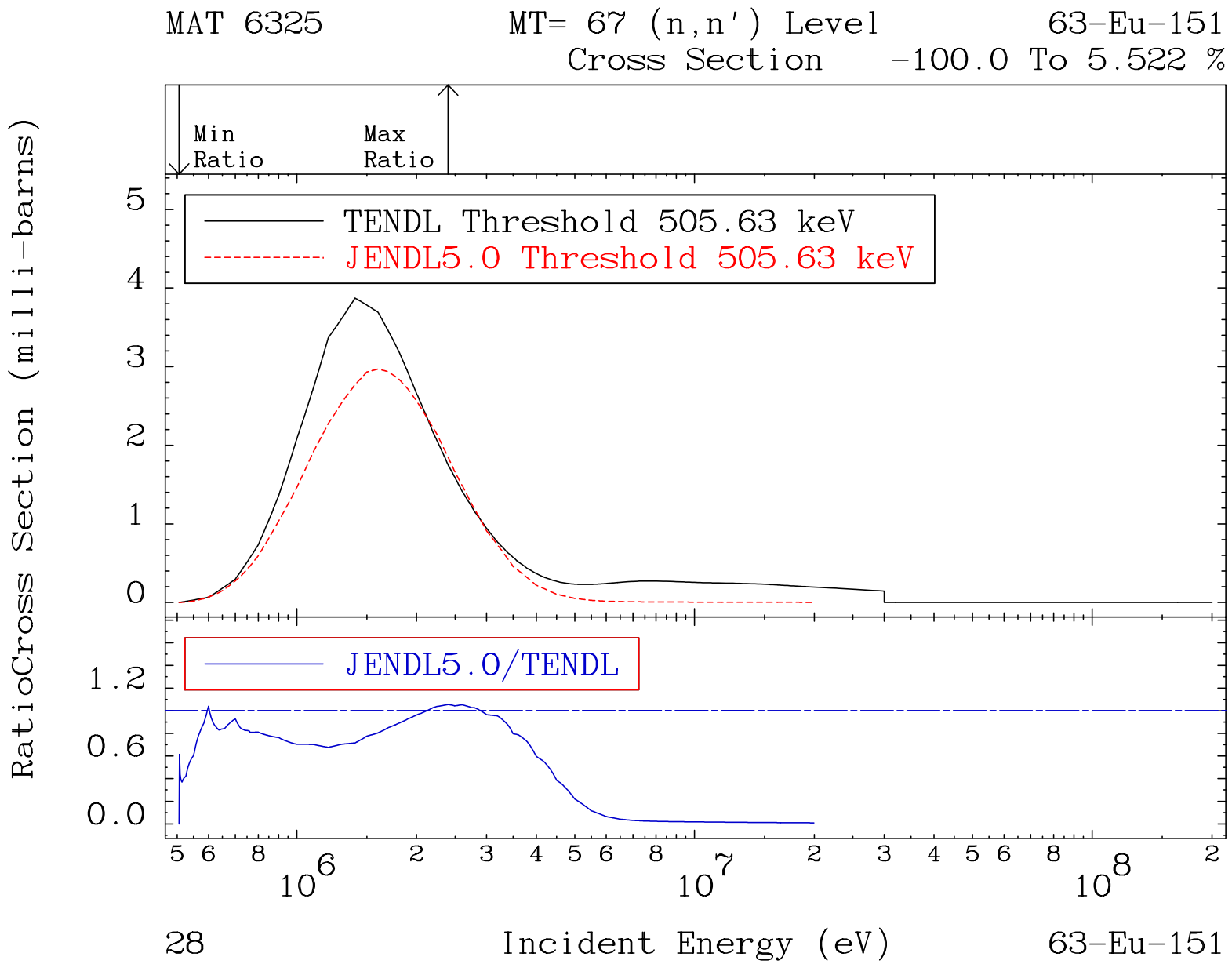

MAT 6325
MT= 62 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 503.0 %
Max
Ratio
TENDL Threshold 338.47 keV
JENDL5.0 Threshold 338.47 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
8
4
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
63-Eu-151

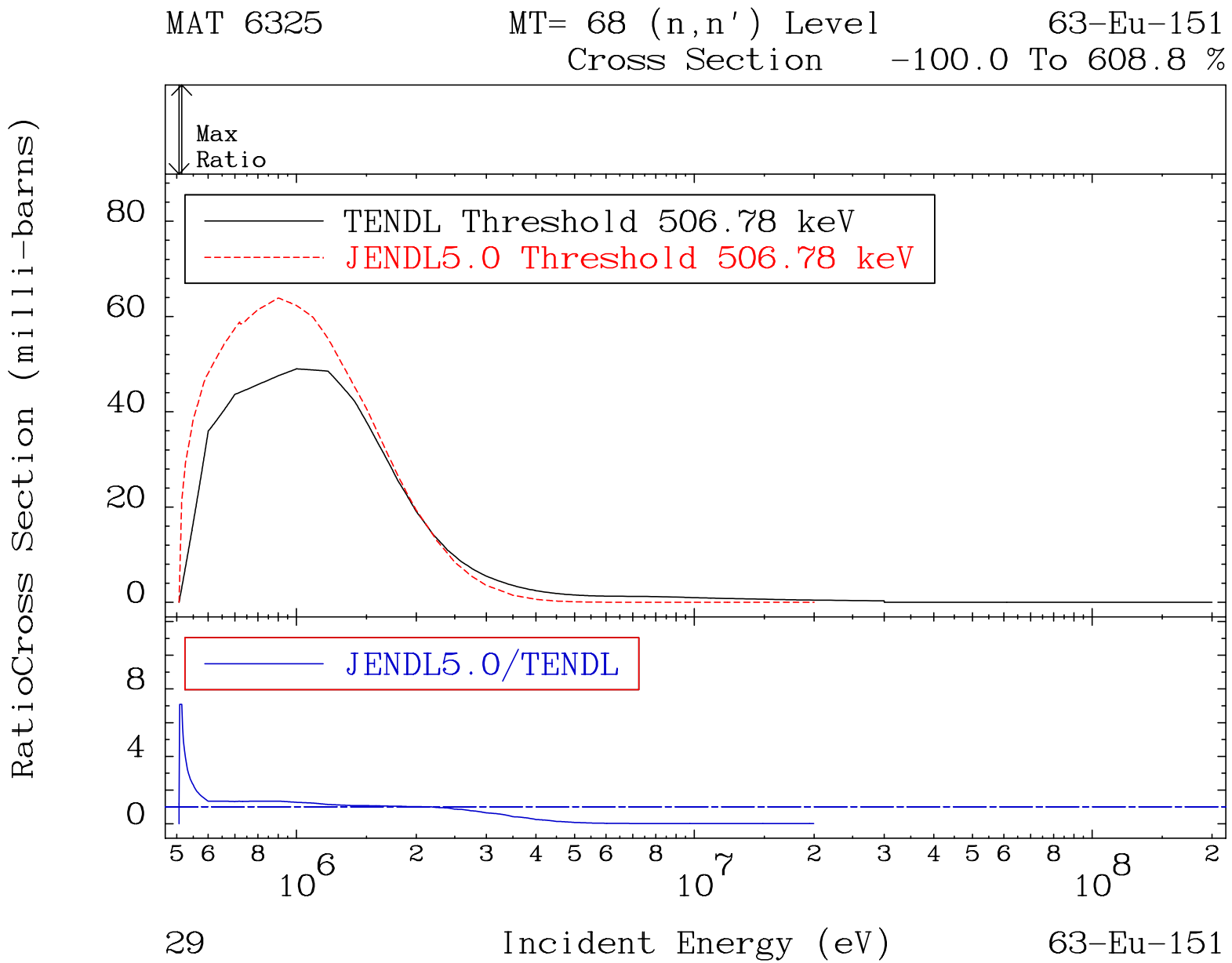

MAT 6325
MT= 63 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 261.0 %
Max
Ratio
TENDL Threshold 352.19 keV
JENDL5.0 Threshold 352.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
63-Eu-151

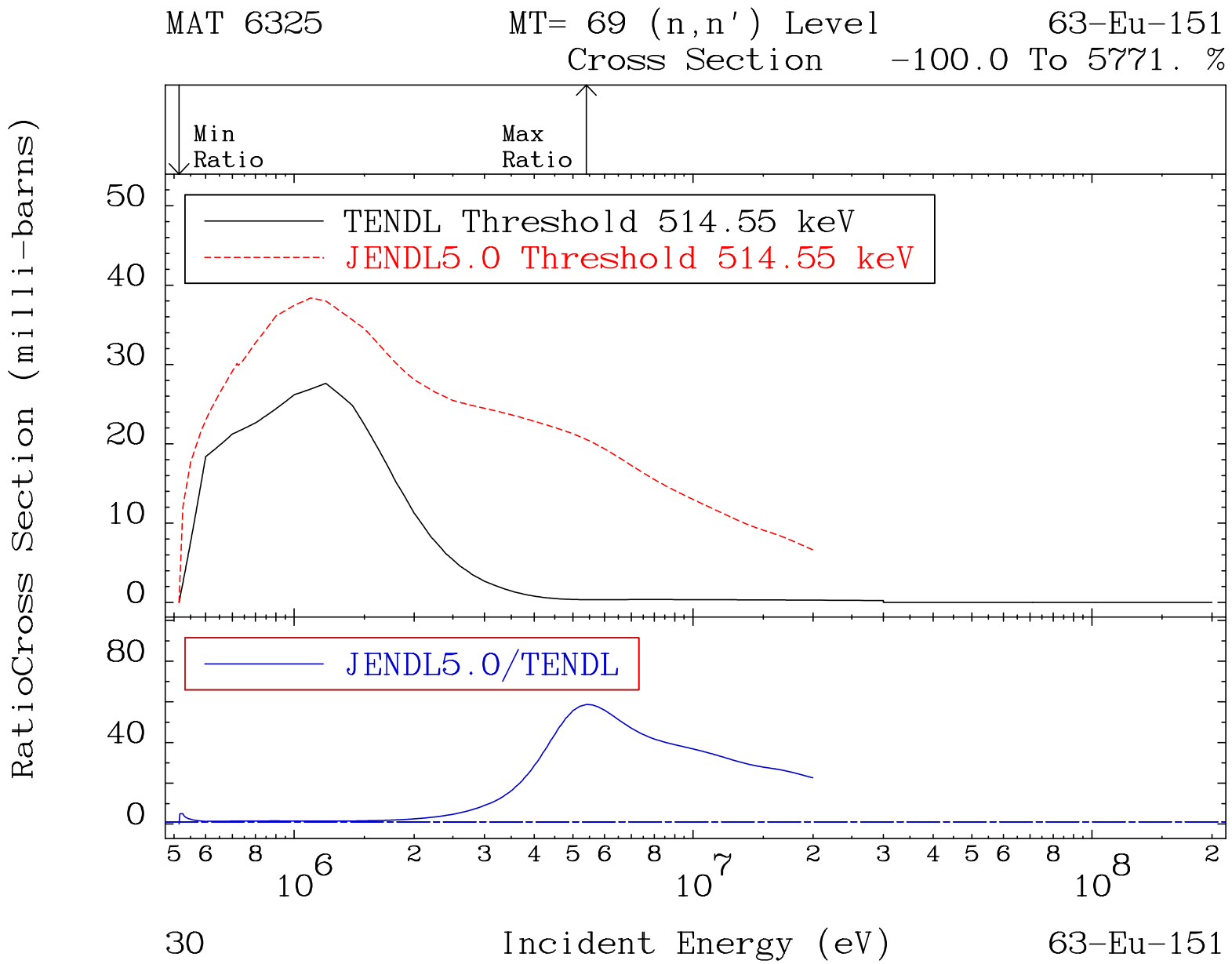

MAT 6325
MT= 64 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 41.20 %
Min Ratio
Max Ratio
TENDL Threshold 356.01 keV
JENDL5.0 Threshold 356.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
63-Eu-151

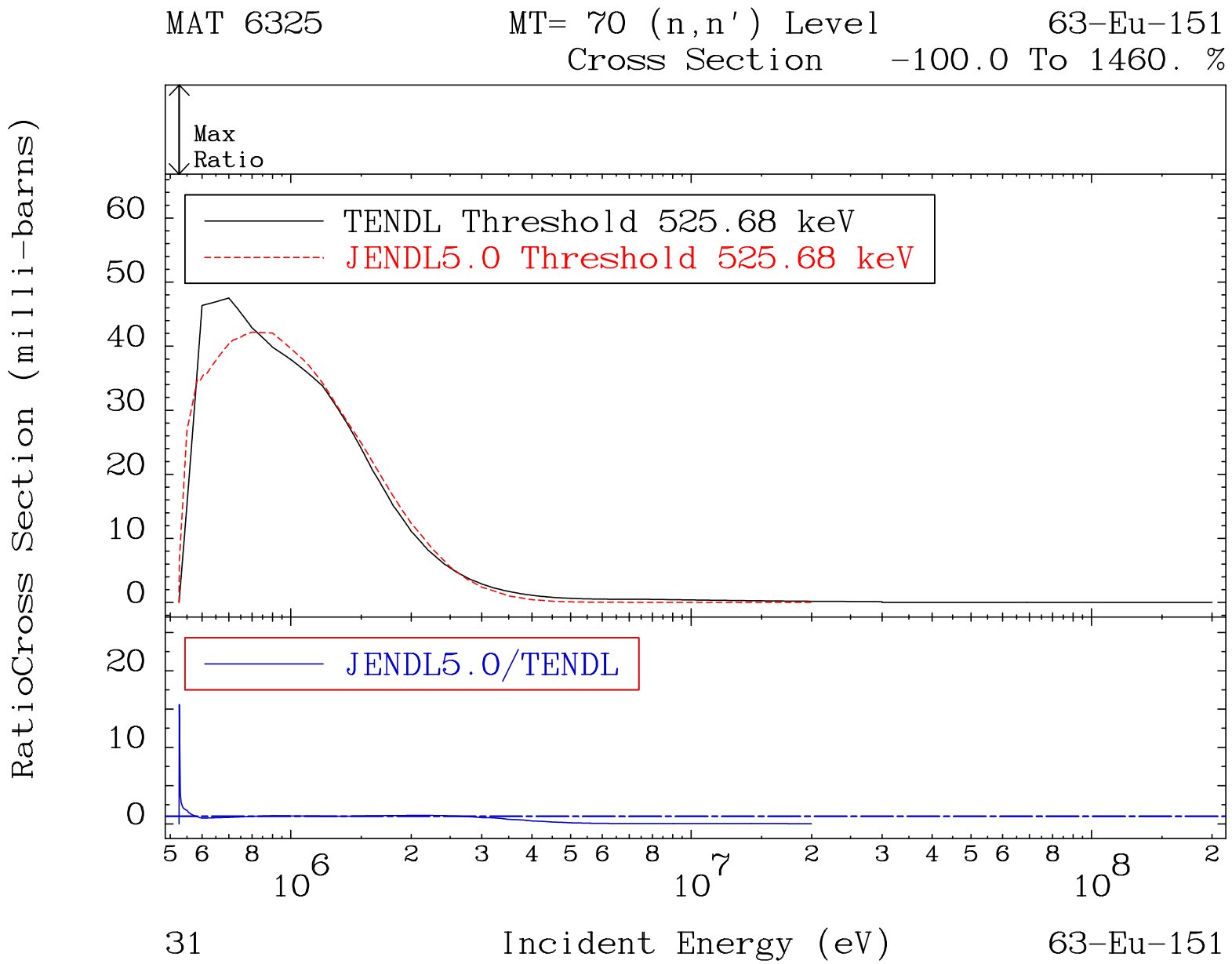

MAT 6325
MT= 65 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 37.67 %
Min Ratio
Max Ratio
TENDL Threshold 418.57 keV
JENDL5.0 Threshold 418.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
63-Eu-151

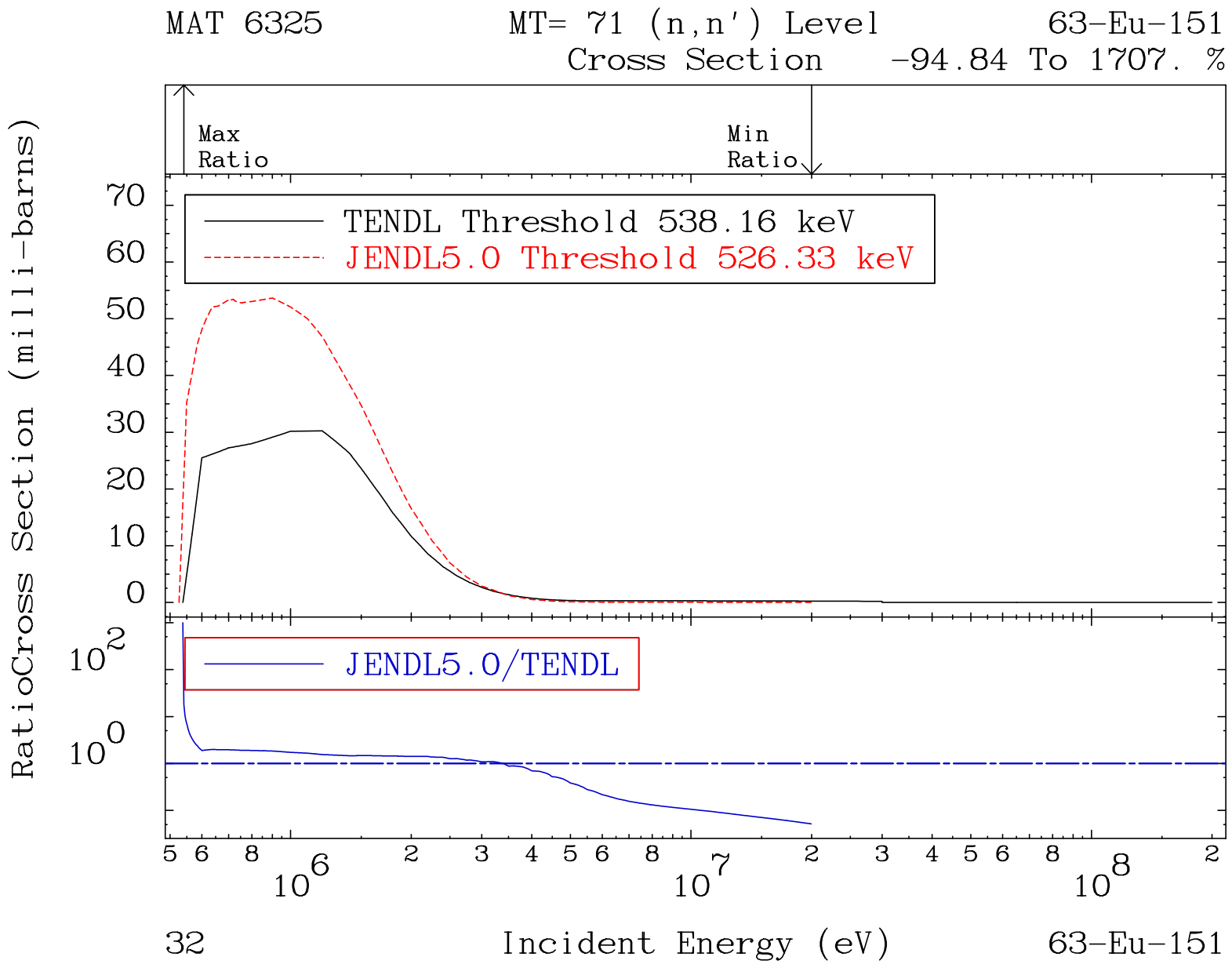

MAT 6325
MT= 66 (n,n') Level
63-Eu-151
Cross Section -100.0 To 1205. %
Max
Ratio
TENDL Threshold 503.04 keV
JENDL5.0 Threshold 503.04 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
63-Eu-151

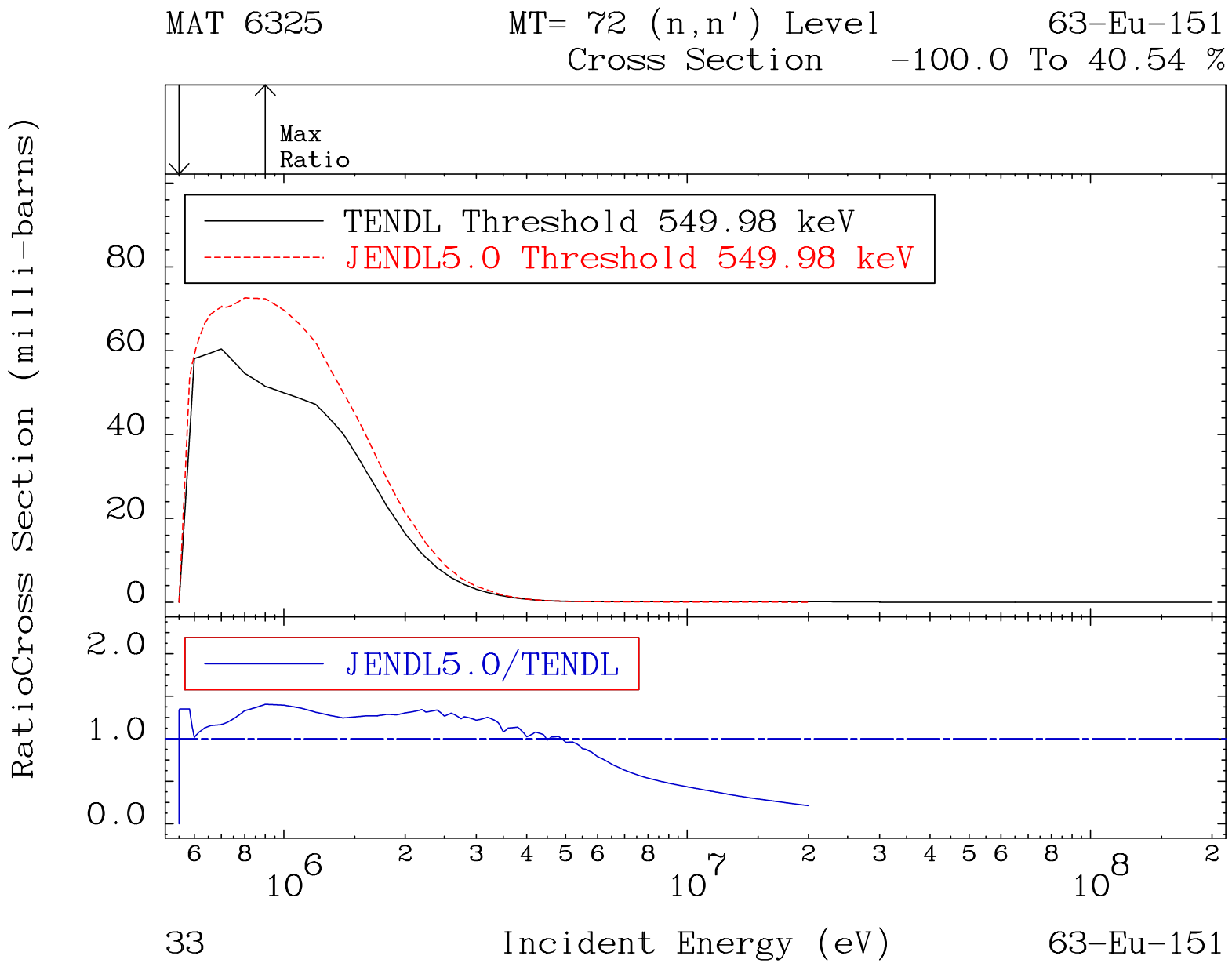

MAT 6325
MT= 67 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 5.522 %
Min Ratio
Max Ratio
TENDL Threshold 505.63 keV
JENDL5.0 Threshold 505.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
63-Eu-151

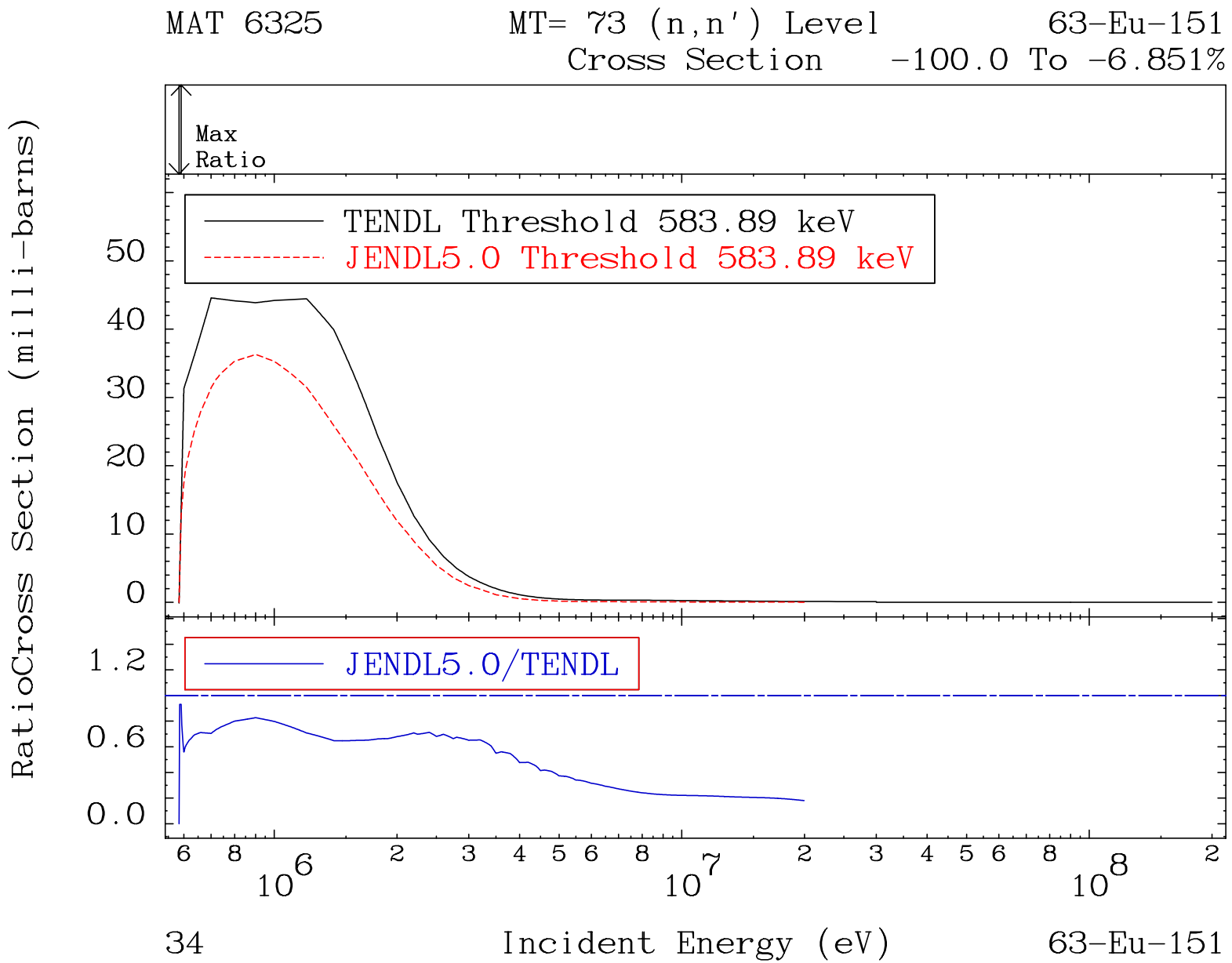

MAT 6325
MT= 68 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 608.8 %
Max
Ratio
TENDL Threshold 506.78 keV
JENDL5.0 Threshold 506.78 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
63-Eu-151

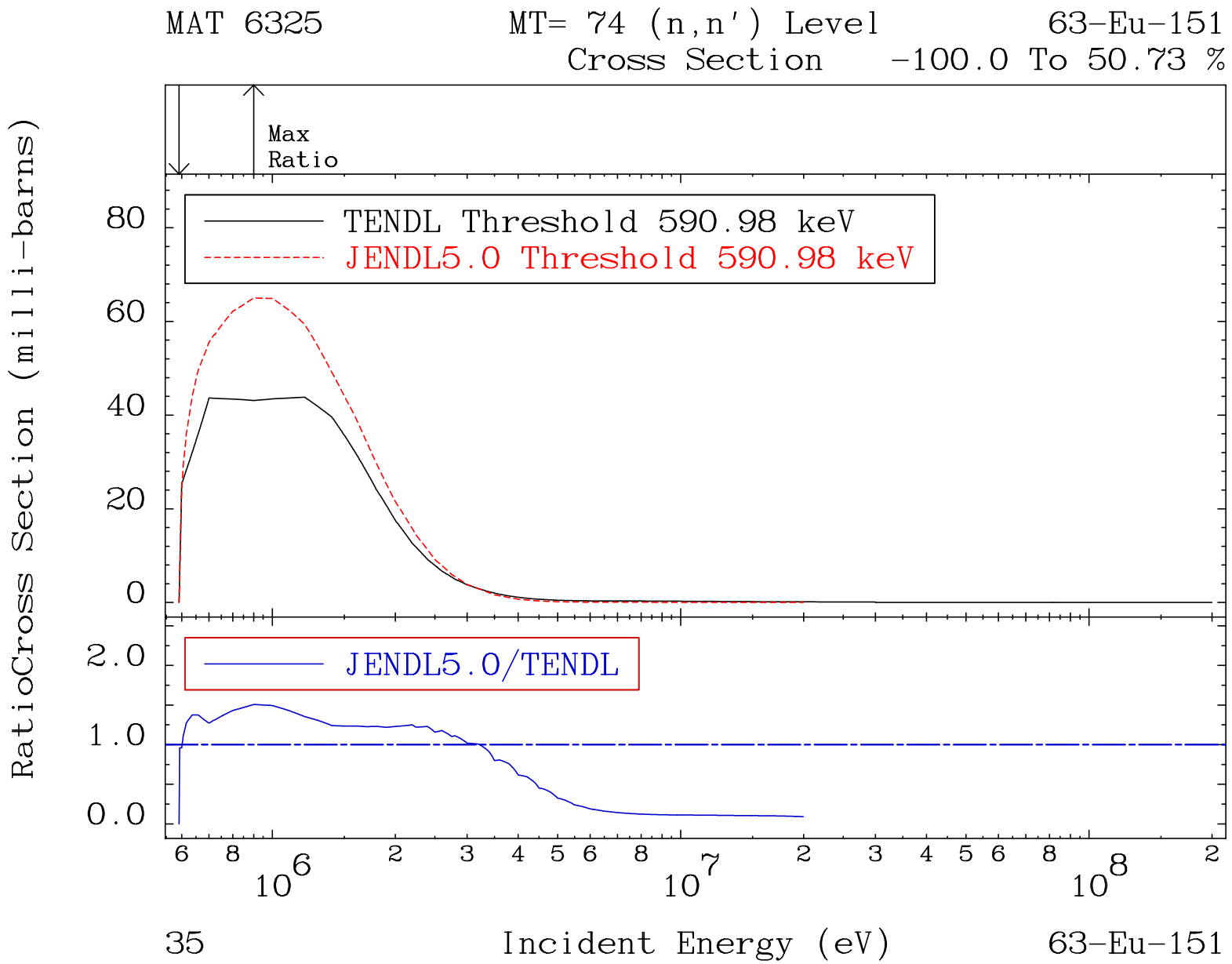

MAT 6325
MT= 69 (n,n') Level
63-Eu-151
Cross Section -100.0 To 5771. %
Min Ratio
Max Ratio
TENDL Threshold 514.55 keV
JENDL5.0 Threshold 514.55 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
63-Eu-151

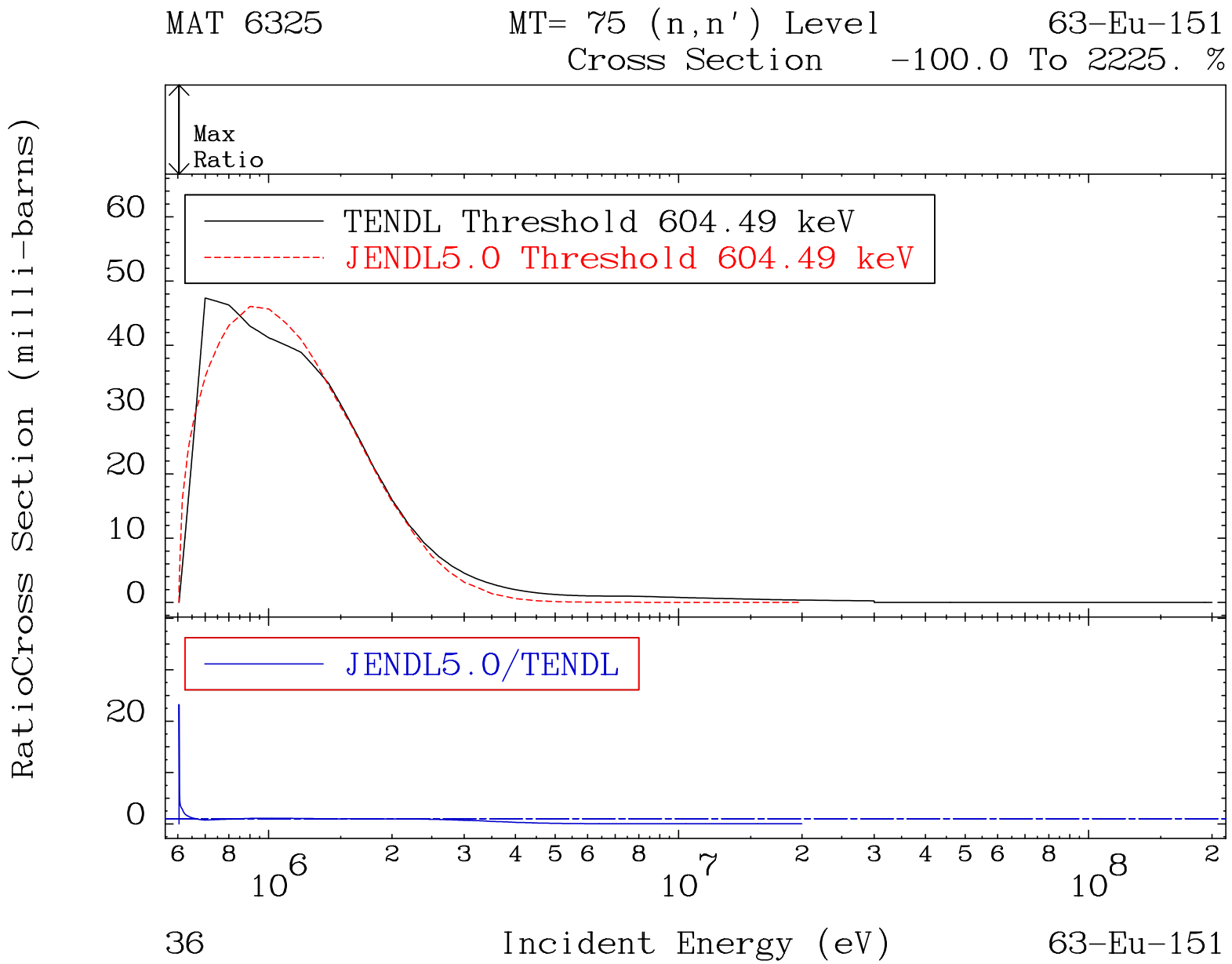

MAT 6325
MT= 70 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 1460. %
Max
Ratio
TENDL Threshold 525.68 keV
JENDL5.0 Threshold 525.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
20
10
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
63-Eu-151

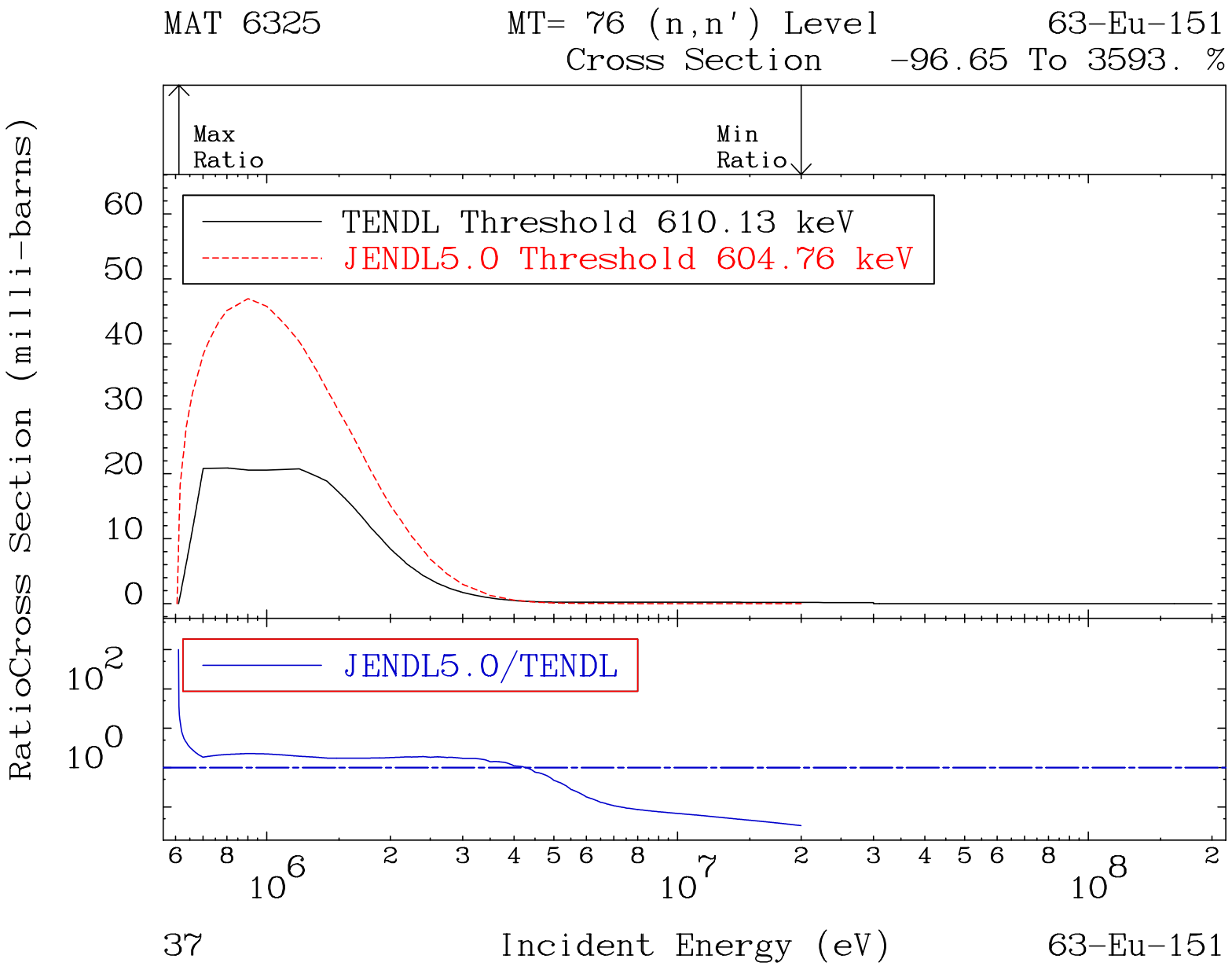

MAT 6325
MT= 71 (n,n') Level
63-Eu-151
Cross Section -94.84 To 1707. %
Max Ratio
Min Ratio
TENDL Threshold 538.16 keV
JENDL5.0 Threshold 526.33 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
63-Eu-151

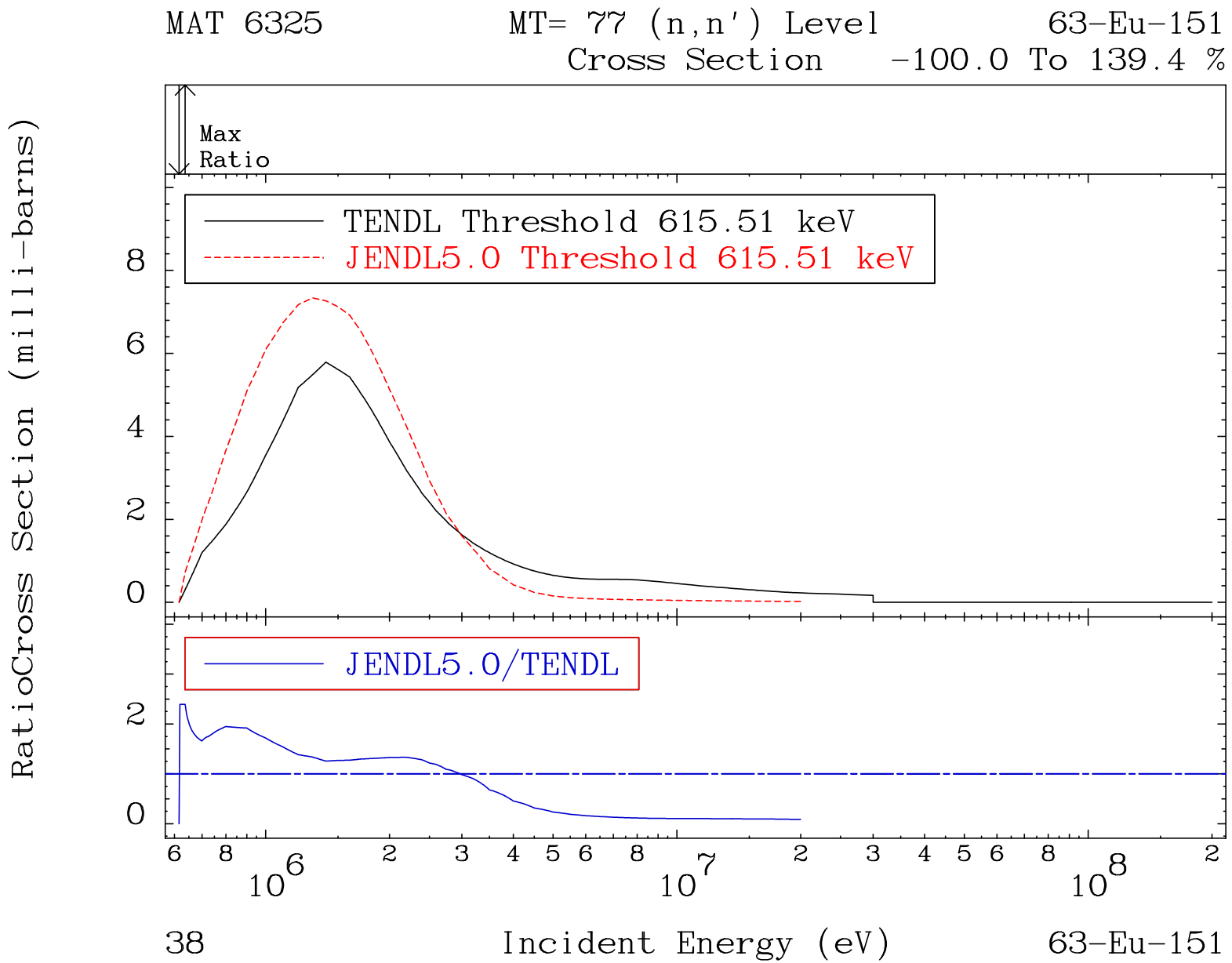

MAT 6325
MT= 72 (n,n') Level
63-Eu-151
Cross Section -100.0 To 40.54 %
Max
Ratio
TENDL Threshold 549.98 keV
JENDL5.0 Threshold 549.98 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
63-Eu-151

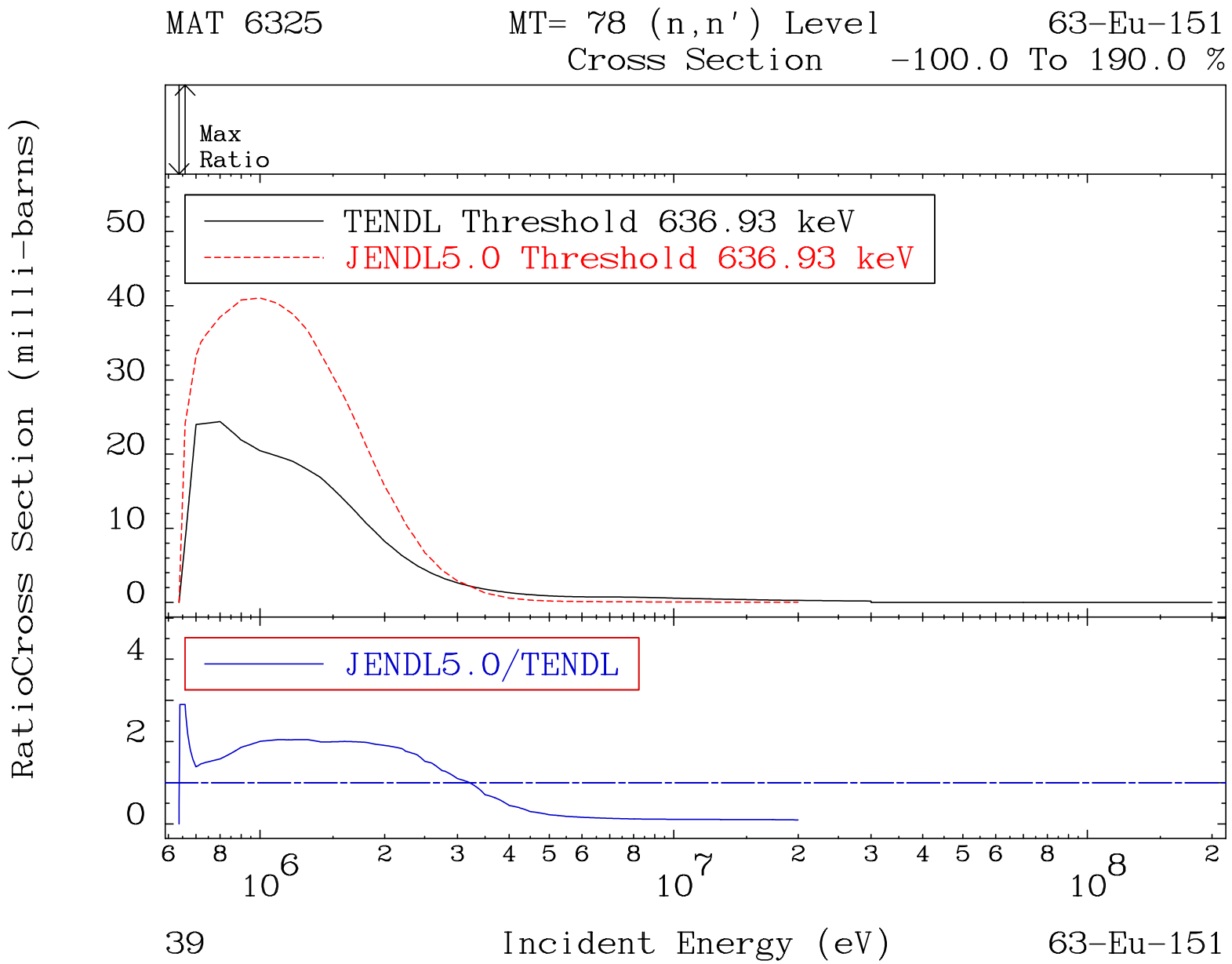

MAT 6325
MT= 73 (n,n') Level
63-Eu-151
Cross Section -100.0 To -6.851%
Max
Ratio
TENDL Threshold 583.89 keV
JENDL5.0 Threshold 583.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
63-Eu-151

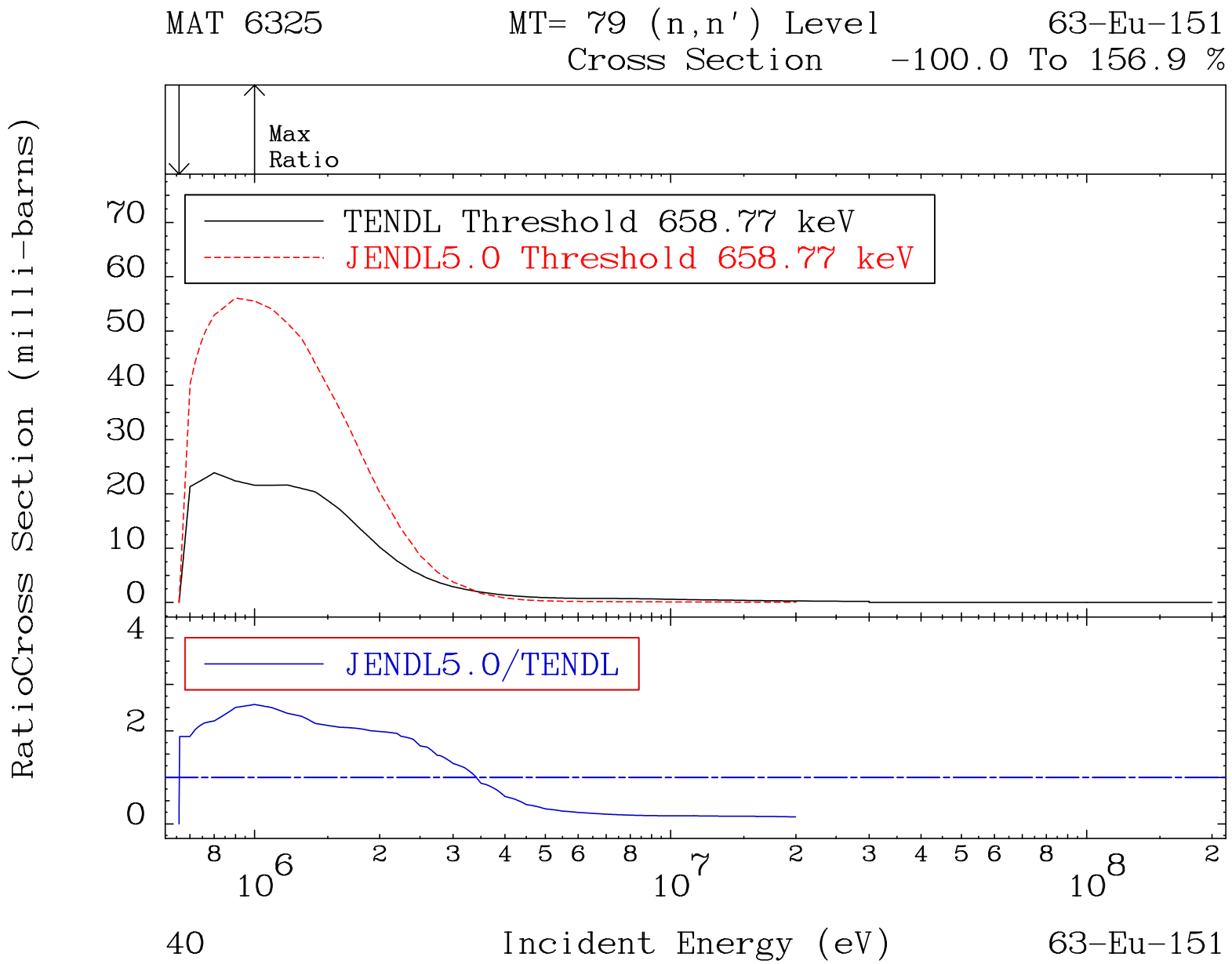

MAT 6325
MT= 74 (n,n') Level
63-Eu-151
Cross Section -100.0 To 50.73 %
Max
Ratio
TENDL Threshold 590.98 keV
JENDL5.0 Threshold 590.98 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
63-Eu-151

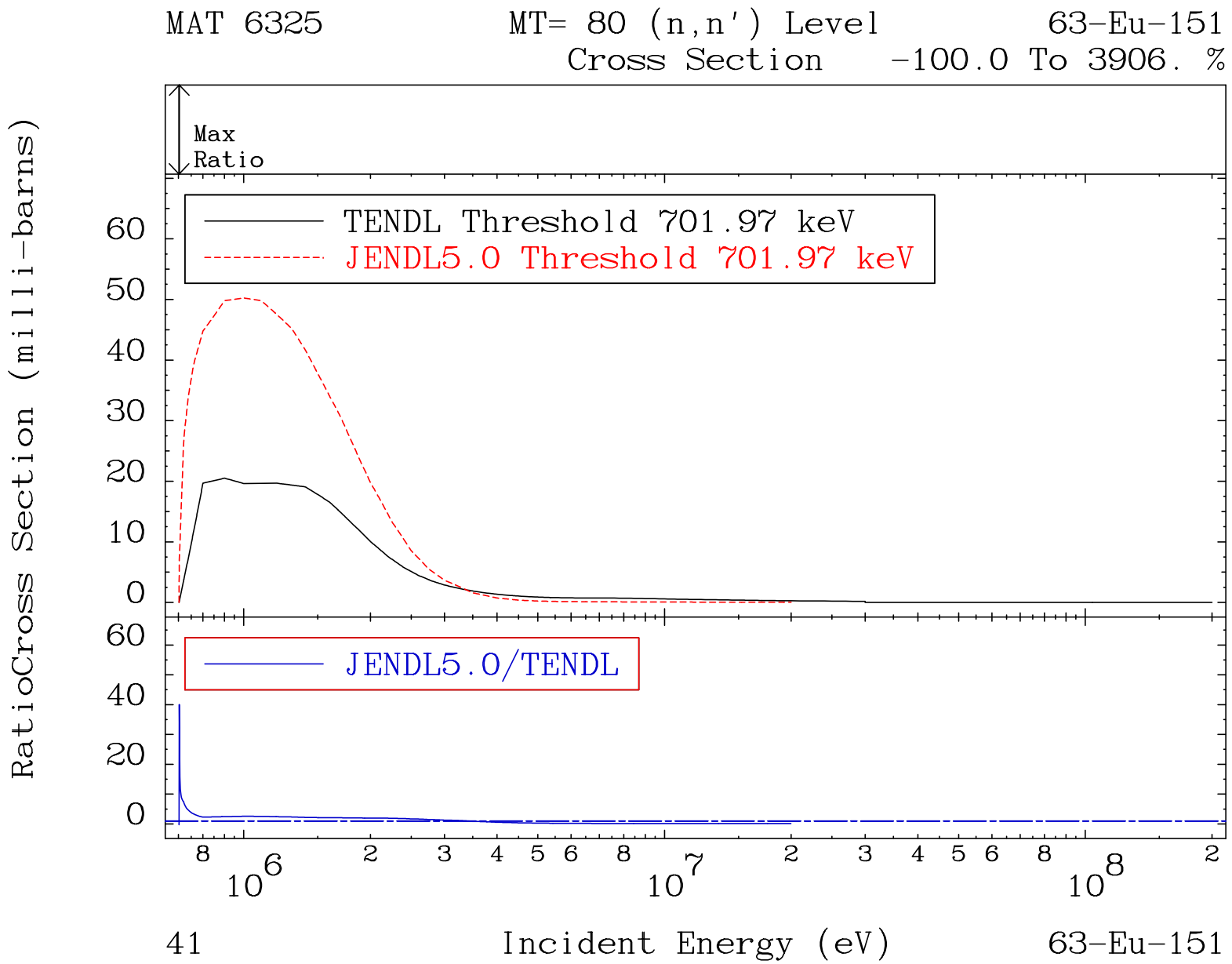

MAT 6325
MT= 75 (n,n') Level
63-Eu-151
Cross Section -100.0 To 2225. %
Max
Ratio
TENDL Threshold 604.49 keV
JENDL5.0 Threshold 604.49 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
20
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
63-Eu-151

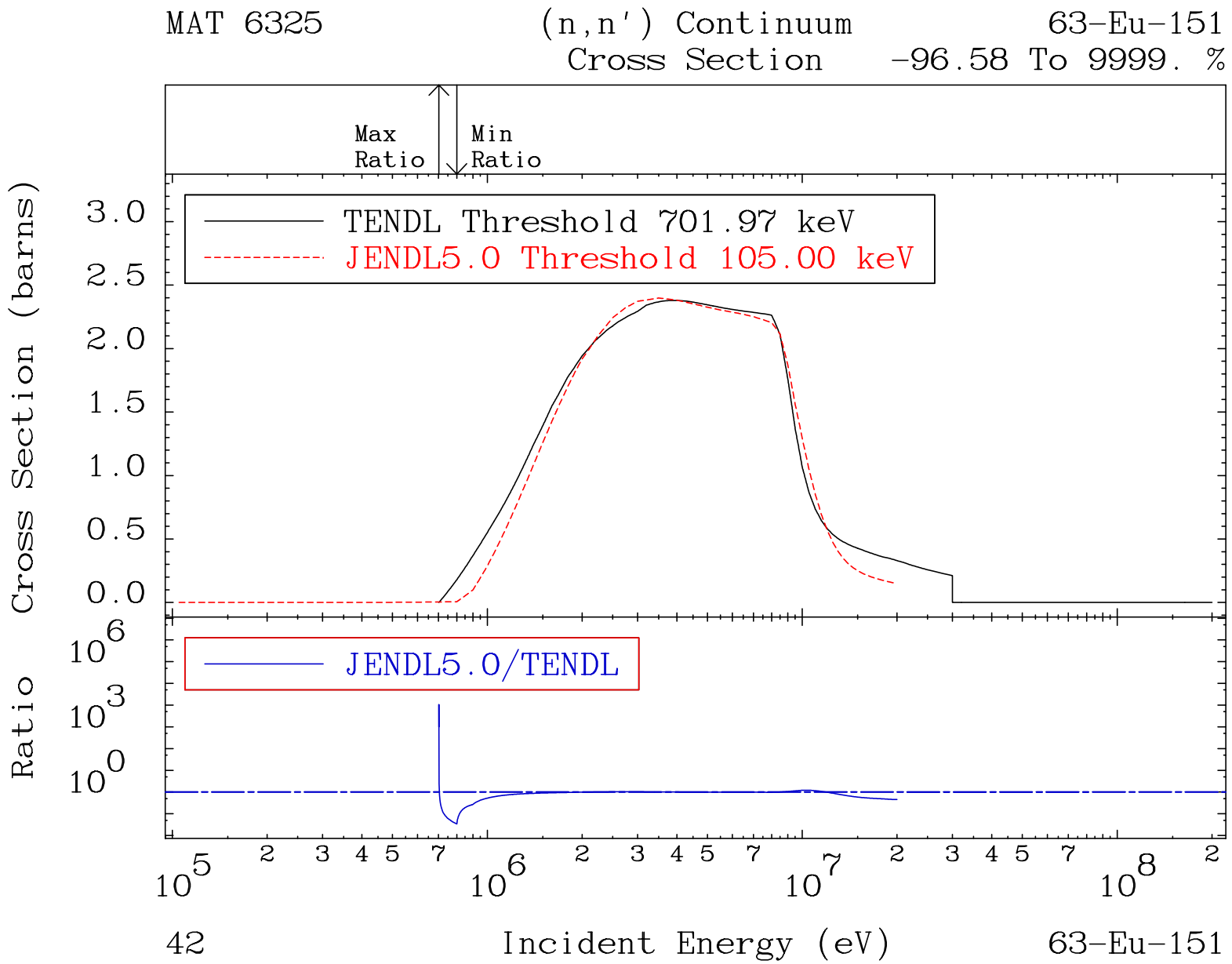

MAT 6325
MT= 76 (n,n') Level
63-Eu-151
Cross Section -96.65 To 3593. %
Max Ratio
Min Ratio
TENDL Threshold 610.13 keV
JENDL5.0 Threshold 604.76 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
63-Eu-151

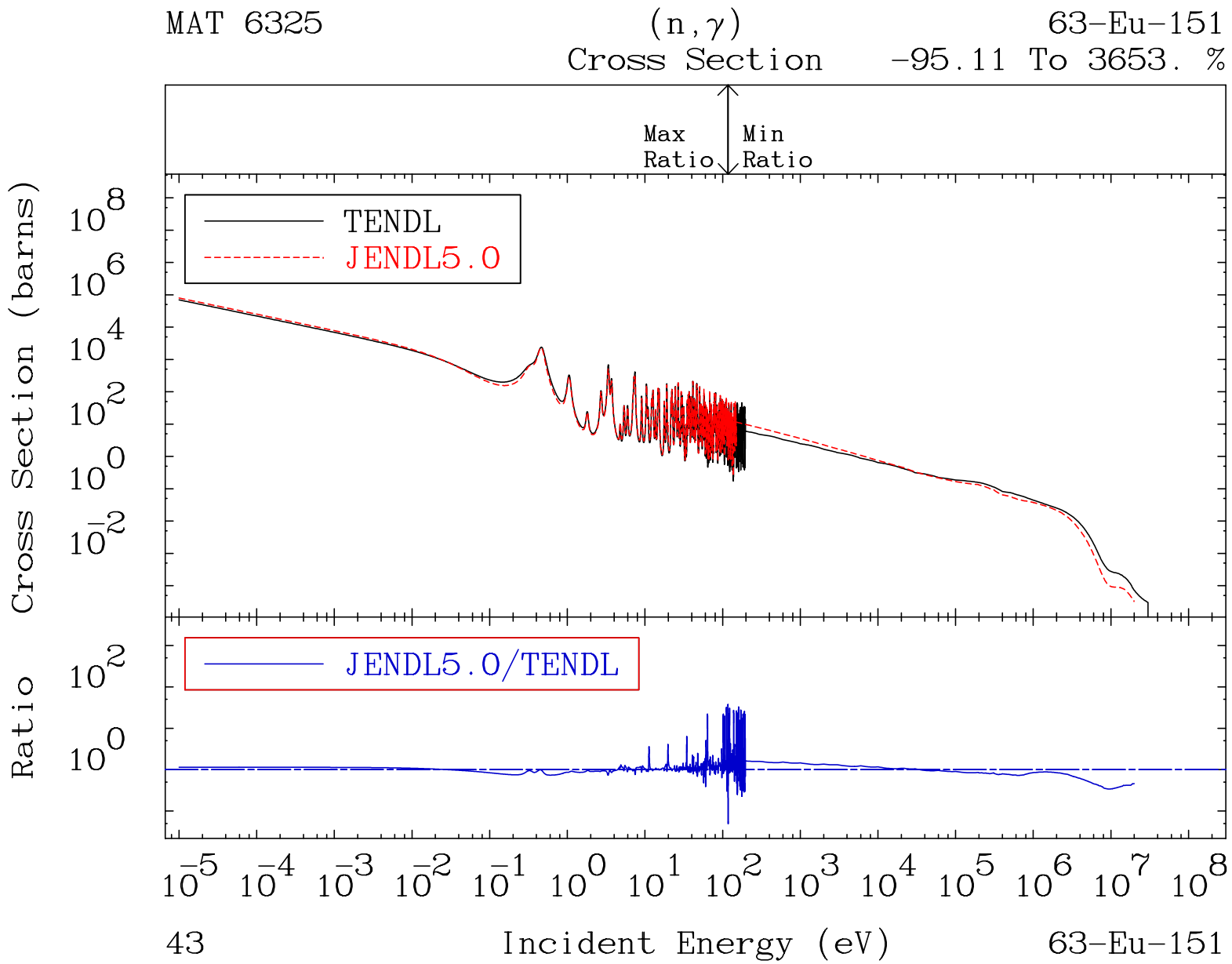

MAT 6325
MT= 77 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 139.4 %
Max
Ratio
TENDL Threshold 615.51 keV
JENDL5.0 Threshold 615.51 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38
63-Eu-151

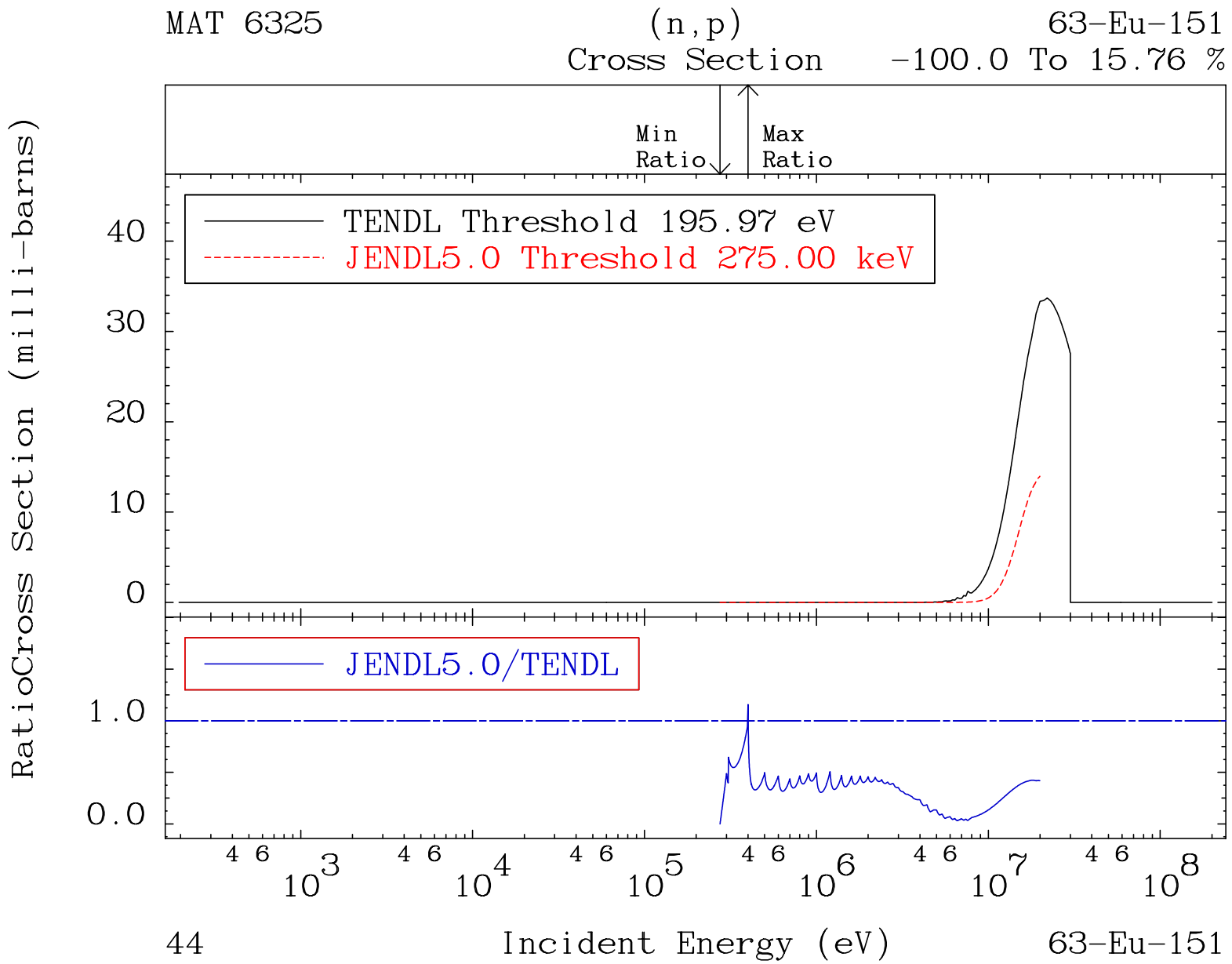

MAT 6325
MT= 78 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 190.0 %
Max
Ratio
TENDL Threshold 636.93 keV
JENDL5.0 Threshold 636.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
39
Incident Energy (eV)
63-Eu-151

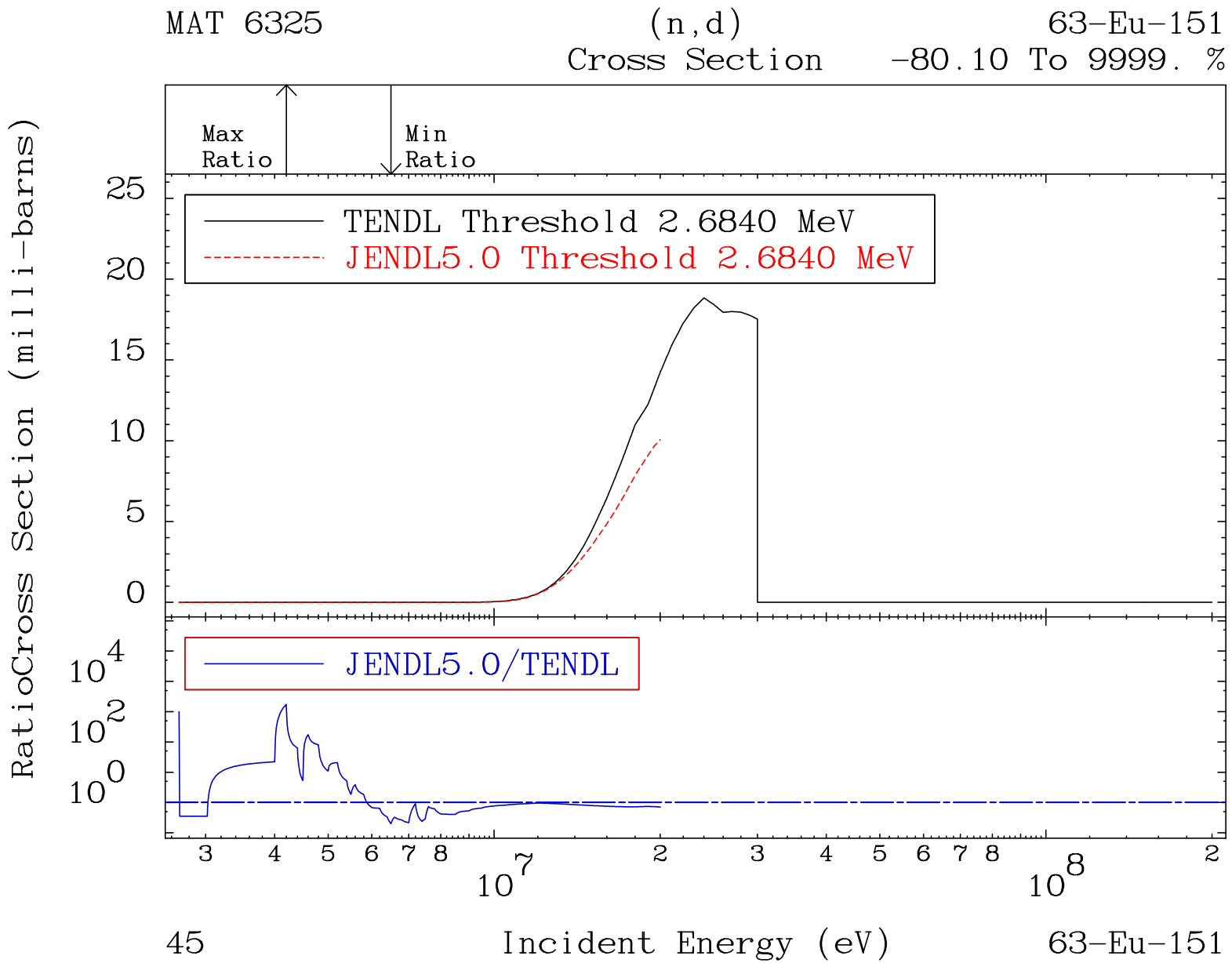

MAT 6325
MT= 79 (n,n') Level
63-Eu-151
Cross Section
-100.0 To 156.9 %
Max
Ratio
TENDL Threshold 658.77 keV
JENDL5.0 Threshold 658.77 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
40
Incident Energy (eV)
63-Eu-151

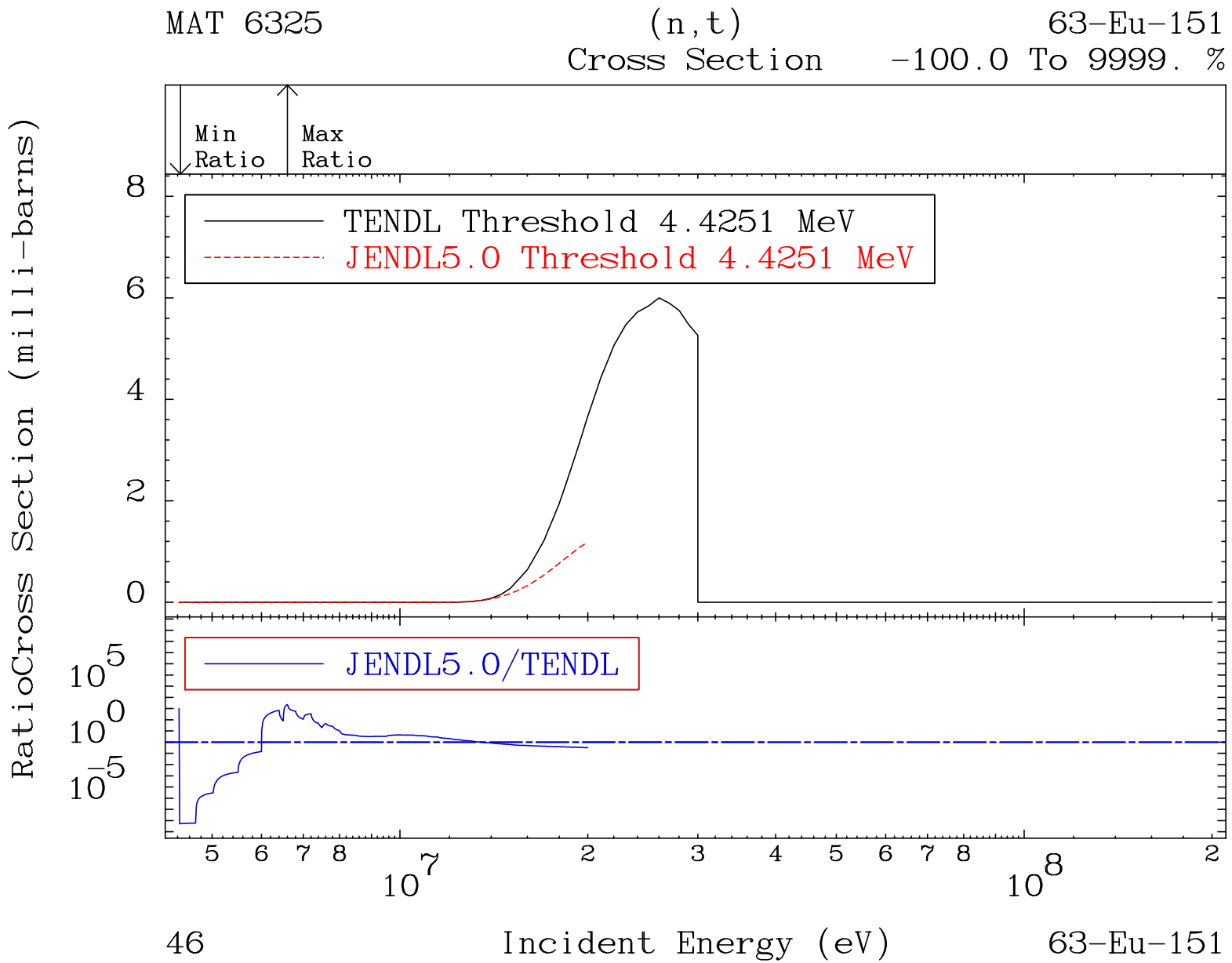

MAT 6325
MT= 80 (n,n') Level
63-Eu-151
Cross Section -100.0 To 3906. %
Max
Ratio
TENDL Threshold 701.97 keV
JENDL5.0 Threshold 701.97 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
60
40
20
0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
41
Incident Energy (eV)
63-Eu-151

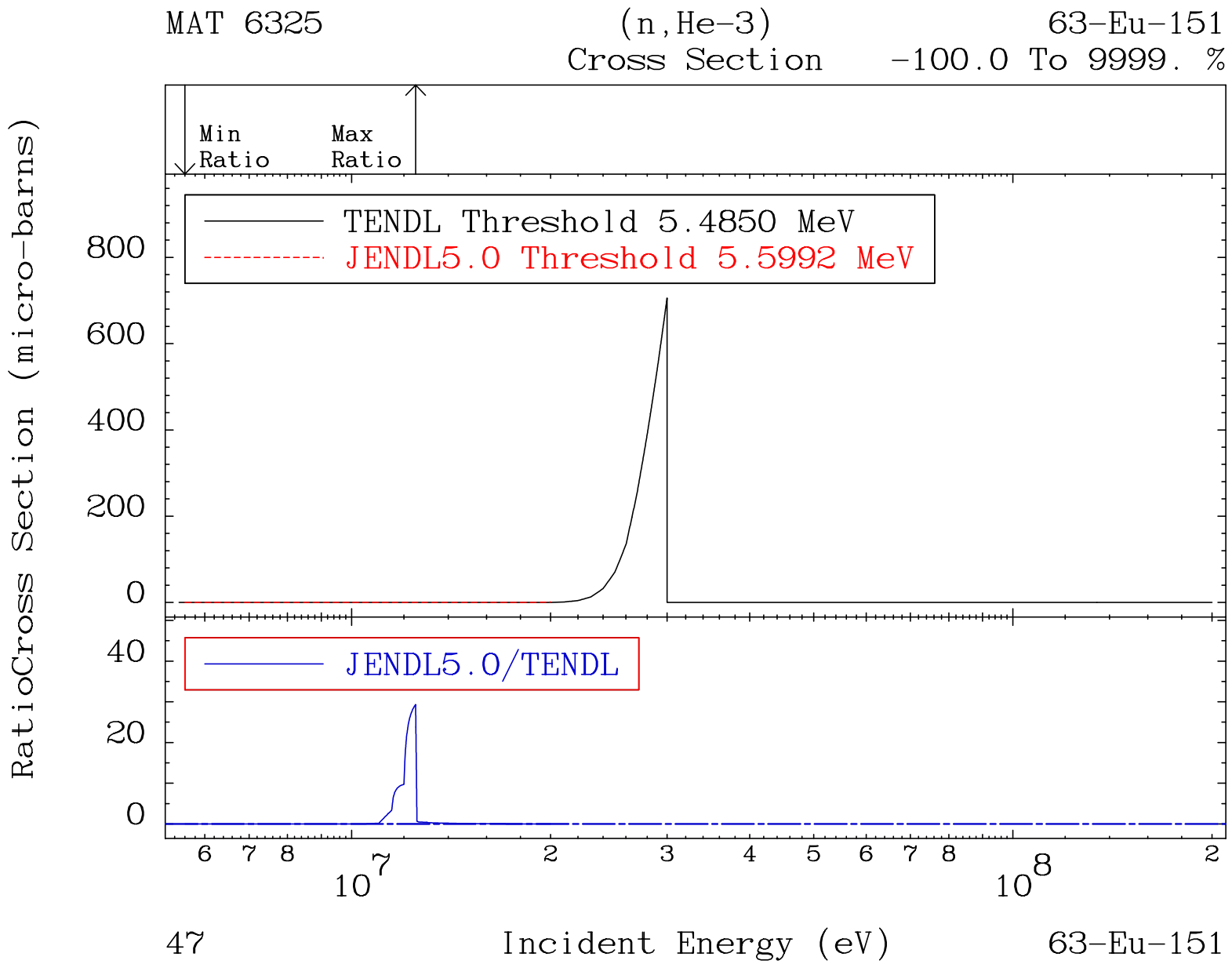

MAT 6325
(n,n') Continuum
Cross Section
63-Eu-151
-96.58 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 701.97 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
63-Eu-151

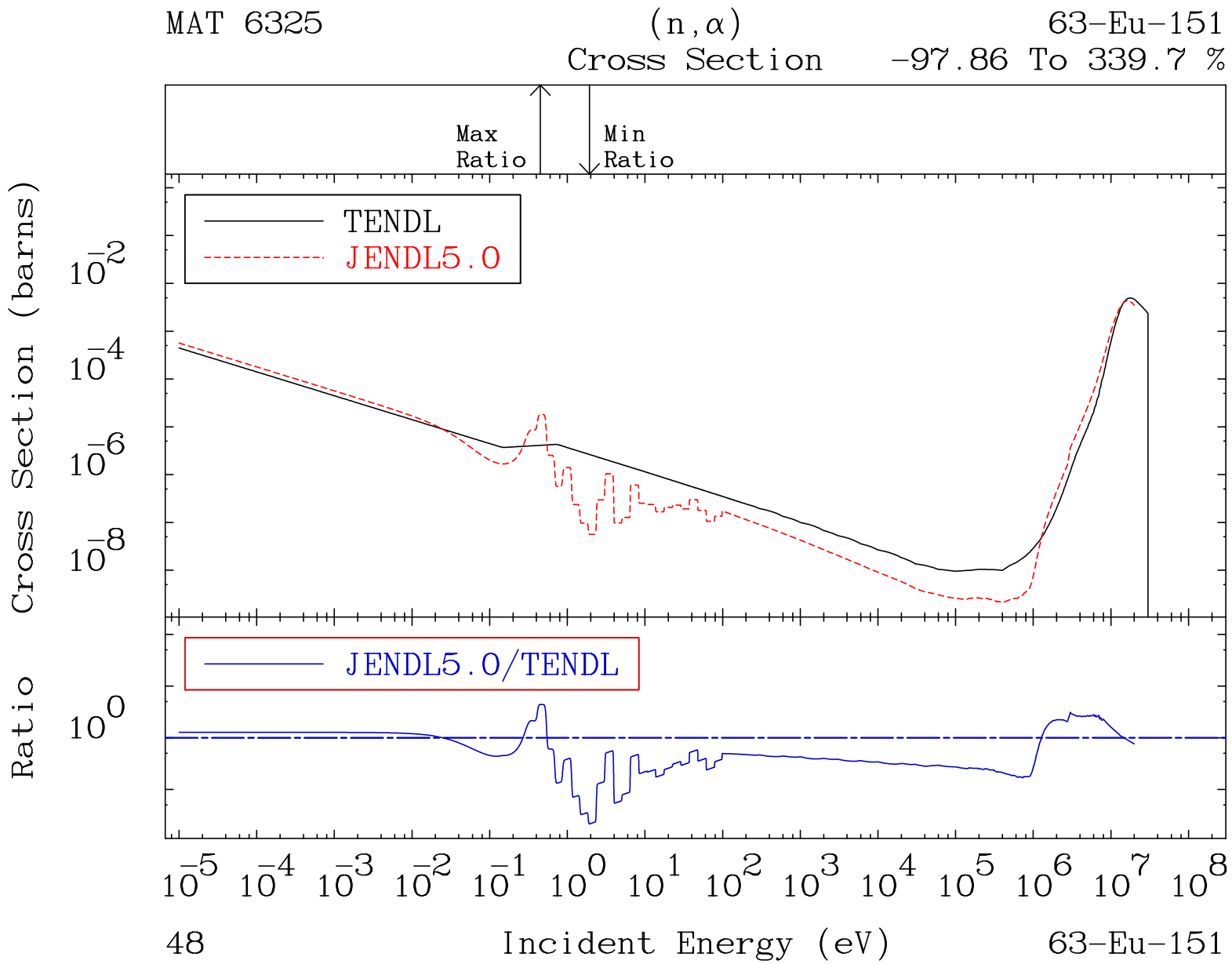

MAT 6325
(n,γ)
63-Eu-151
Cross Section
-95.11 To 3653. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
63-Eu-151

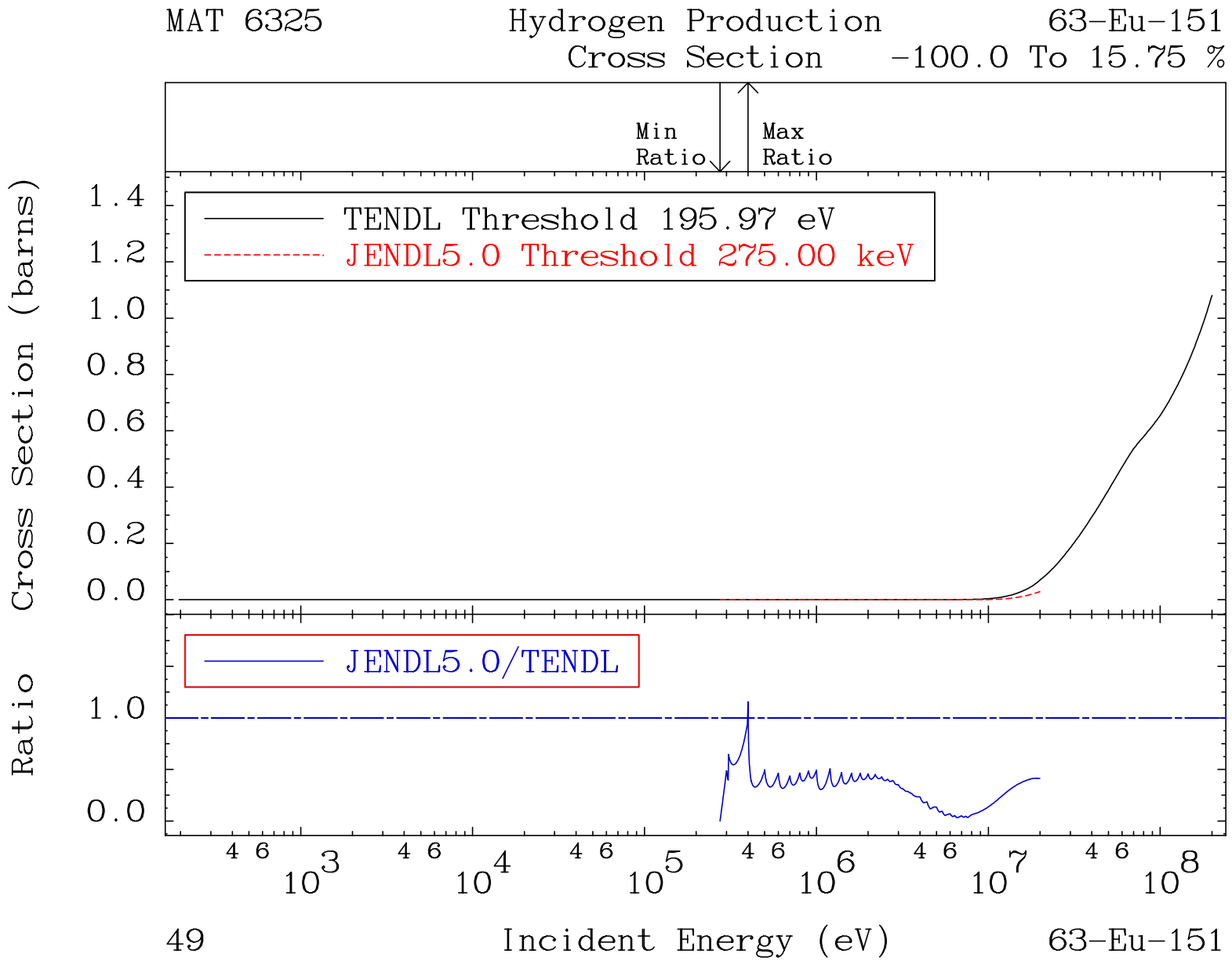

MAT 6325
(n,p)
Cross Section
63-Eu-151
-100.0 To 15.76 %
Min Ratio
Max Ratio
TENDL Threshold 195.97 eV
JENDL5.0 Threshold 275.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.0
0.0
4 6
10^3
4 6
10^4
4 6
10^5
4 6
10^6
4 6
10^7
4 6
10^8
44
Incident Energy (eV)
63-Eu-151

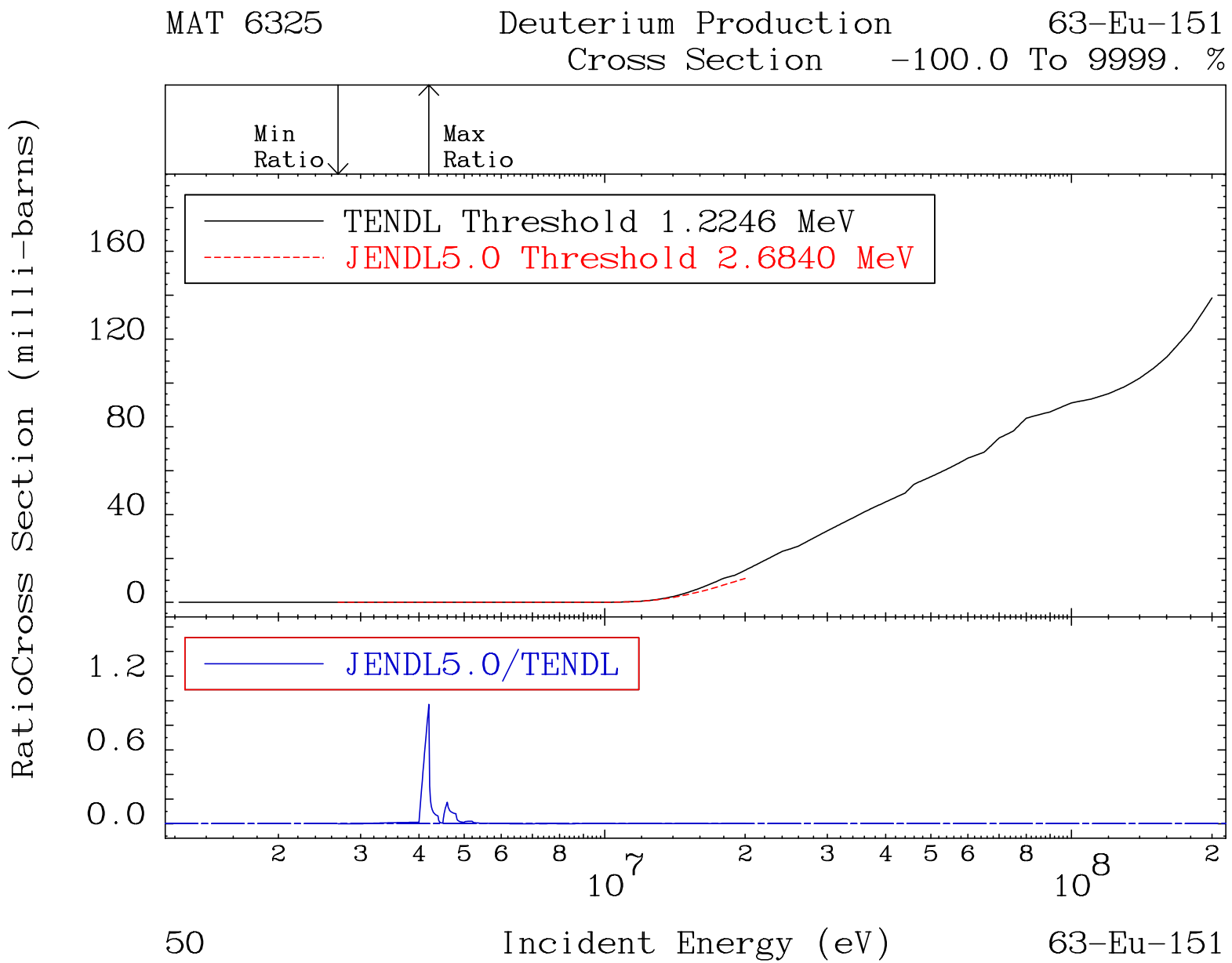

MAT 6325
(n,d)
63-Eu-151
Cross Section
-80.10 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6840 MeV
JENDL5.0 Threshold 2.6840 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
63-Eu-151

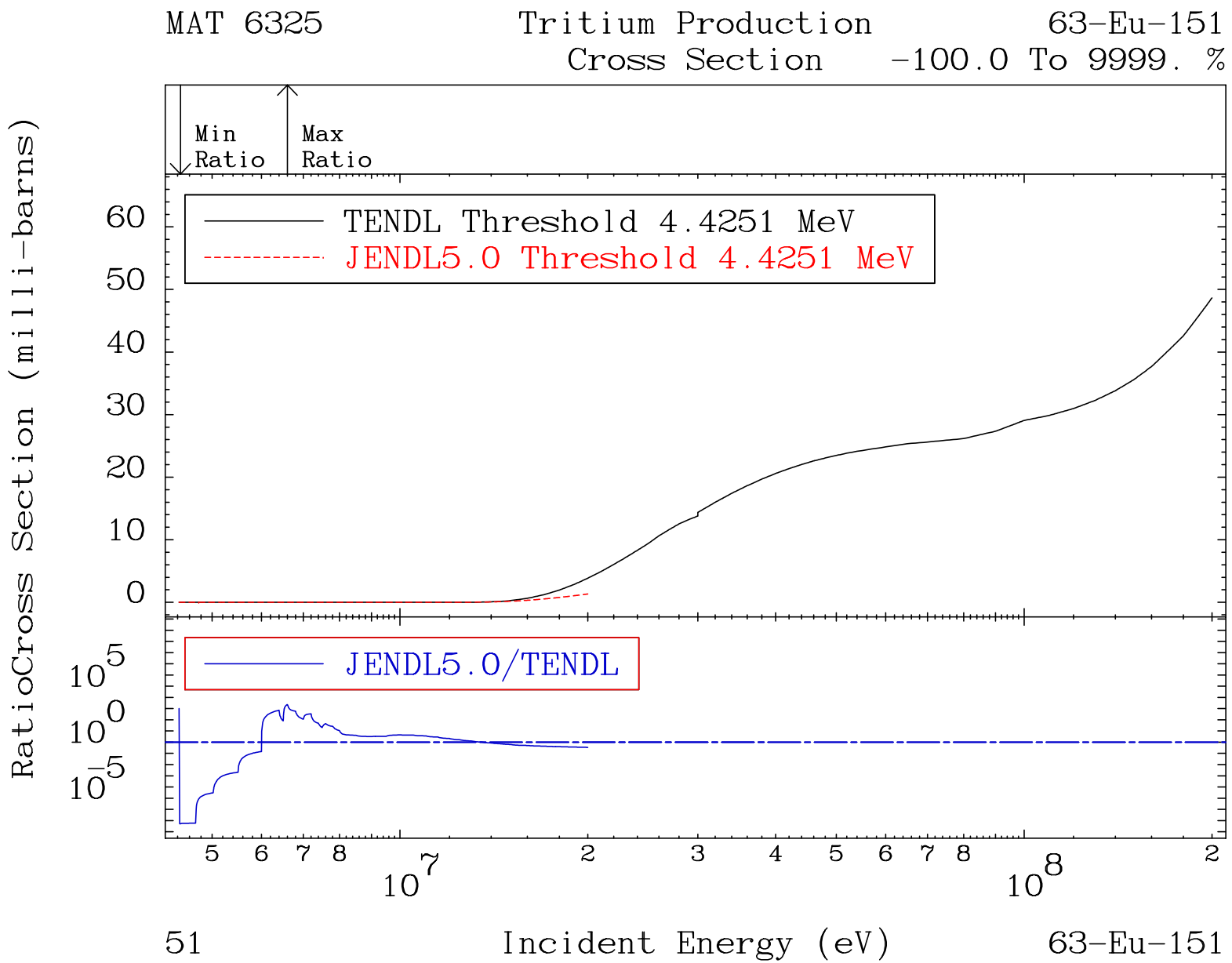

MAT 6325
(n,t)
63-Eu-151
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4251 MeV
JENDL5.0 Threshold 4.4251 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
46
63-Eu-151

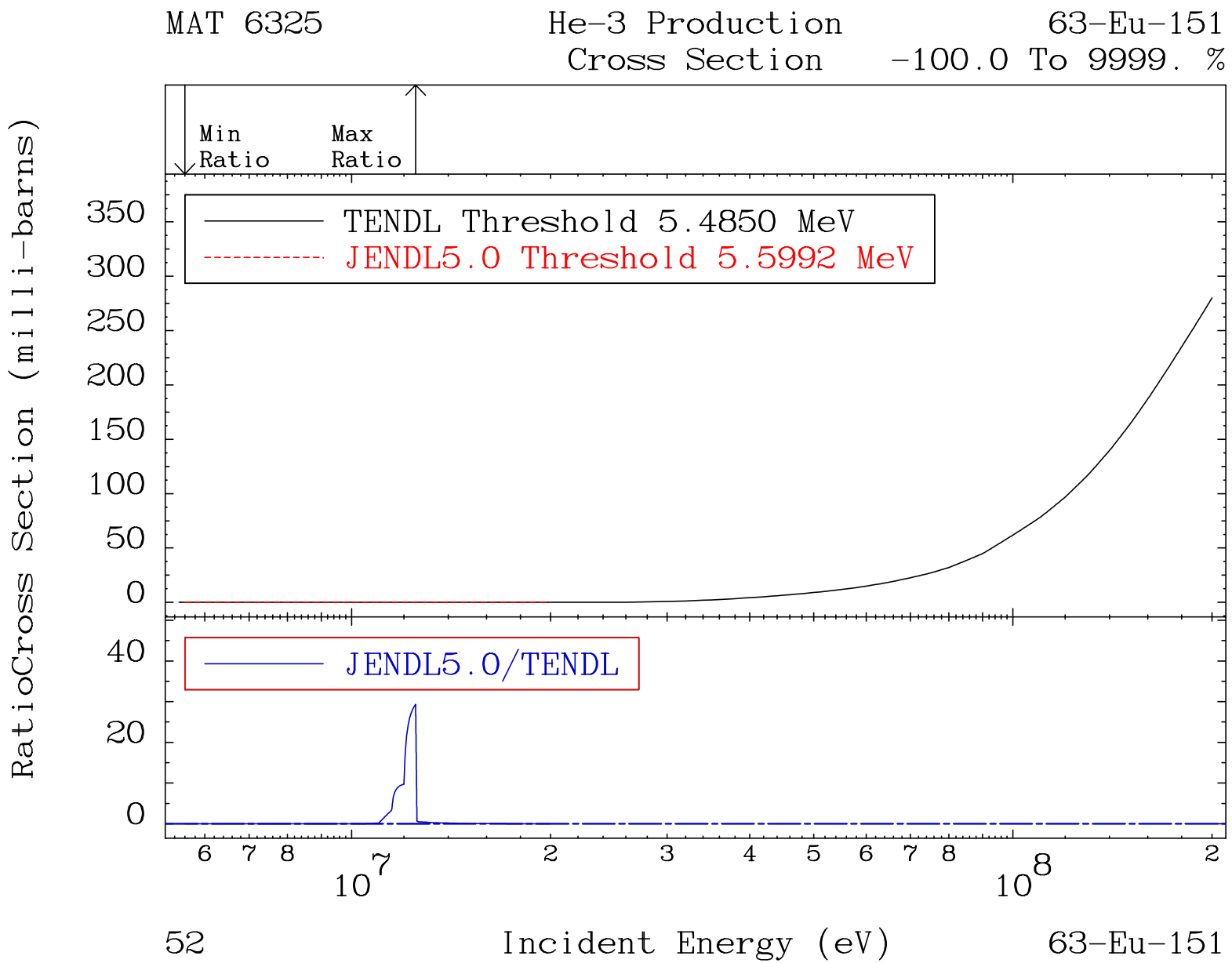

MAT 6325
(n,He-3)
63-Eu-151
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.4850 MeV
JENDL5.0 Threshold 5.5992 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
40
20
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
63-Eu-151

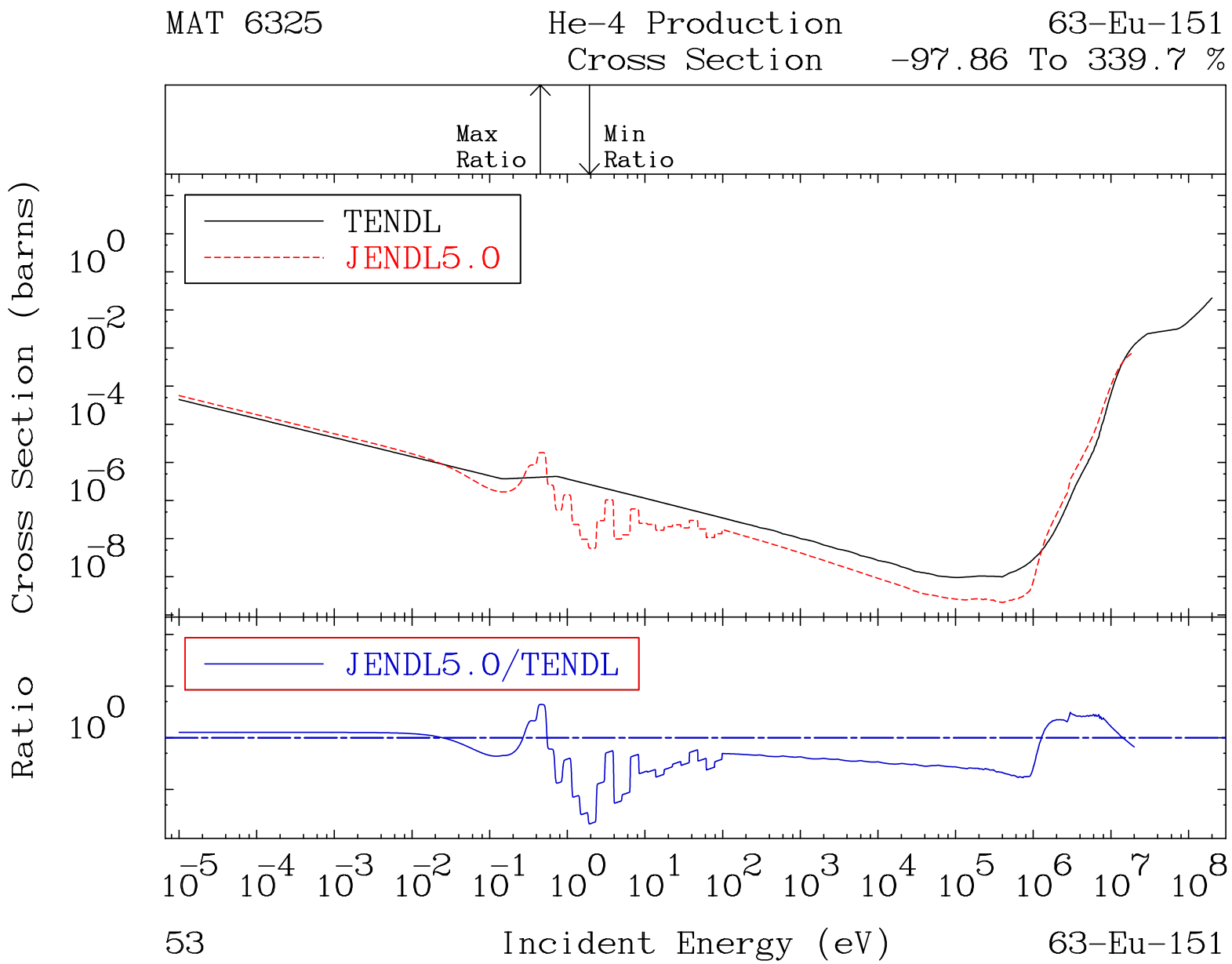

MAT 6325
(n,α)
63-Eu-151
Cross Section
-97.86 To 339.7 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
63-Eu-151

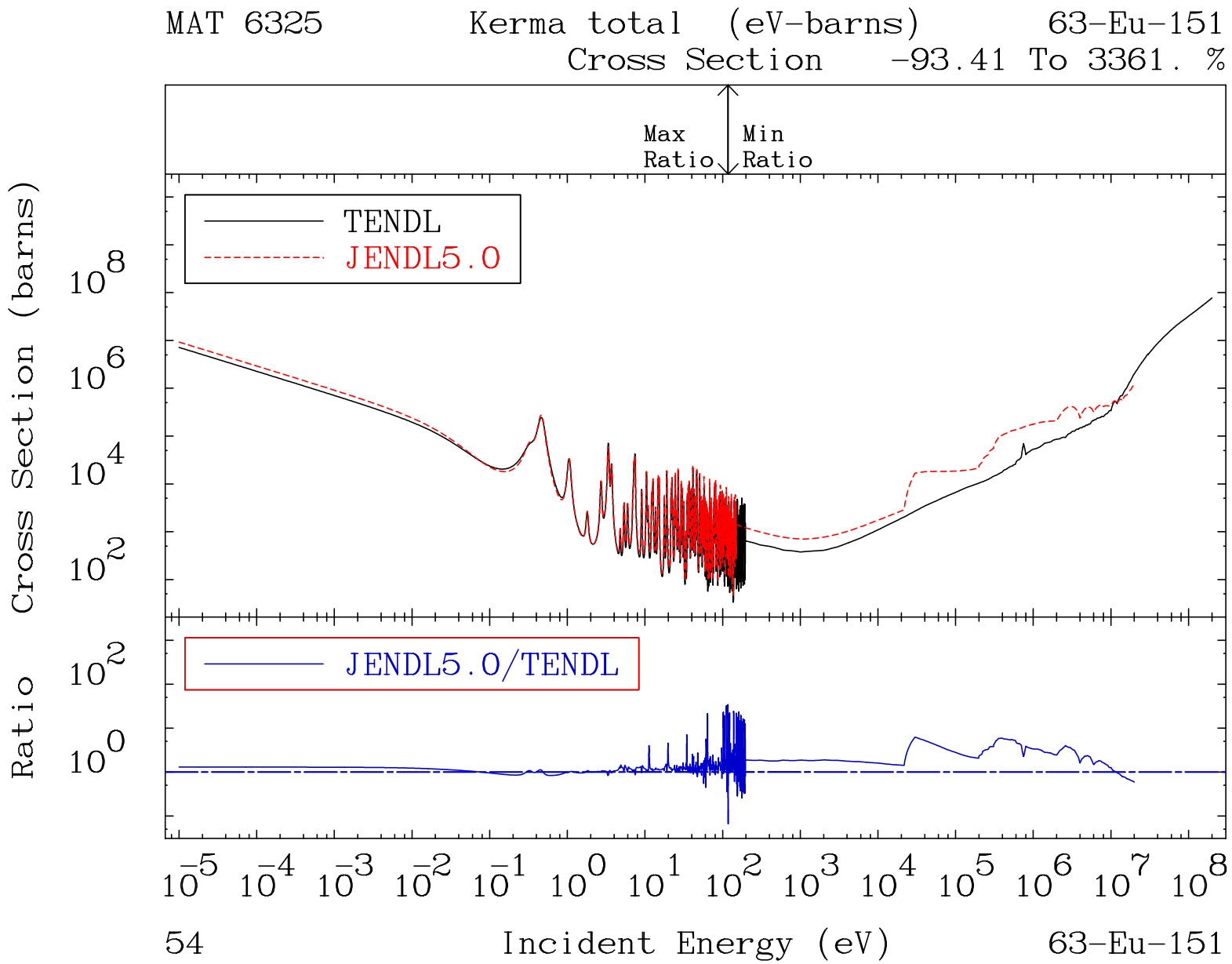

MAT 6325
Hydrogen Production
63-Eu-151
Cross Section
-100.0 To 15.75 %
Min Ratio
Max Ratio
TENDL Threshold 195.97 eV
JENDL5.0 Threshold 275.00 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.0
0.0
4 6
10^3
4 6
10^4
4 6
10^5
4 6
10^6
4 6
10^7
4 6
10^8
49
Incident Energy (eV)
63-Eu-151

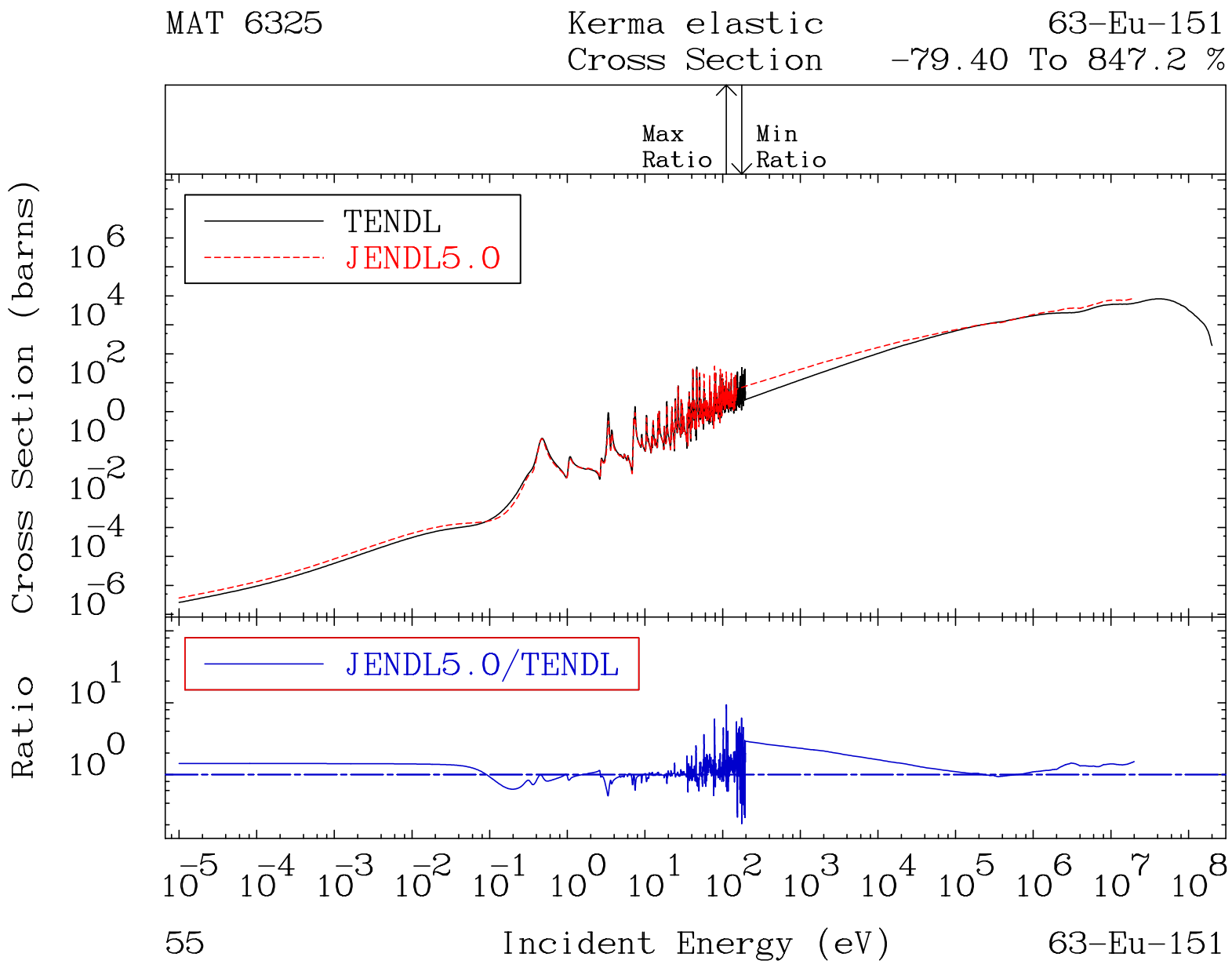

MAT 6325
Deuterium Production
63-Eu-151
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2246 MeV
JENDL5.0 Threshold 2.6840 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
50
Incident Energy (eV)
63-Eu-151

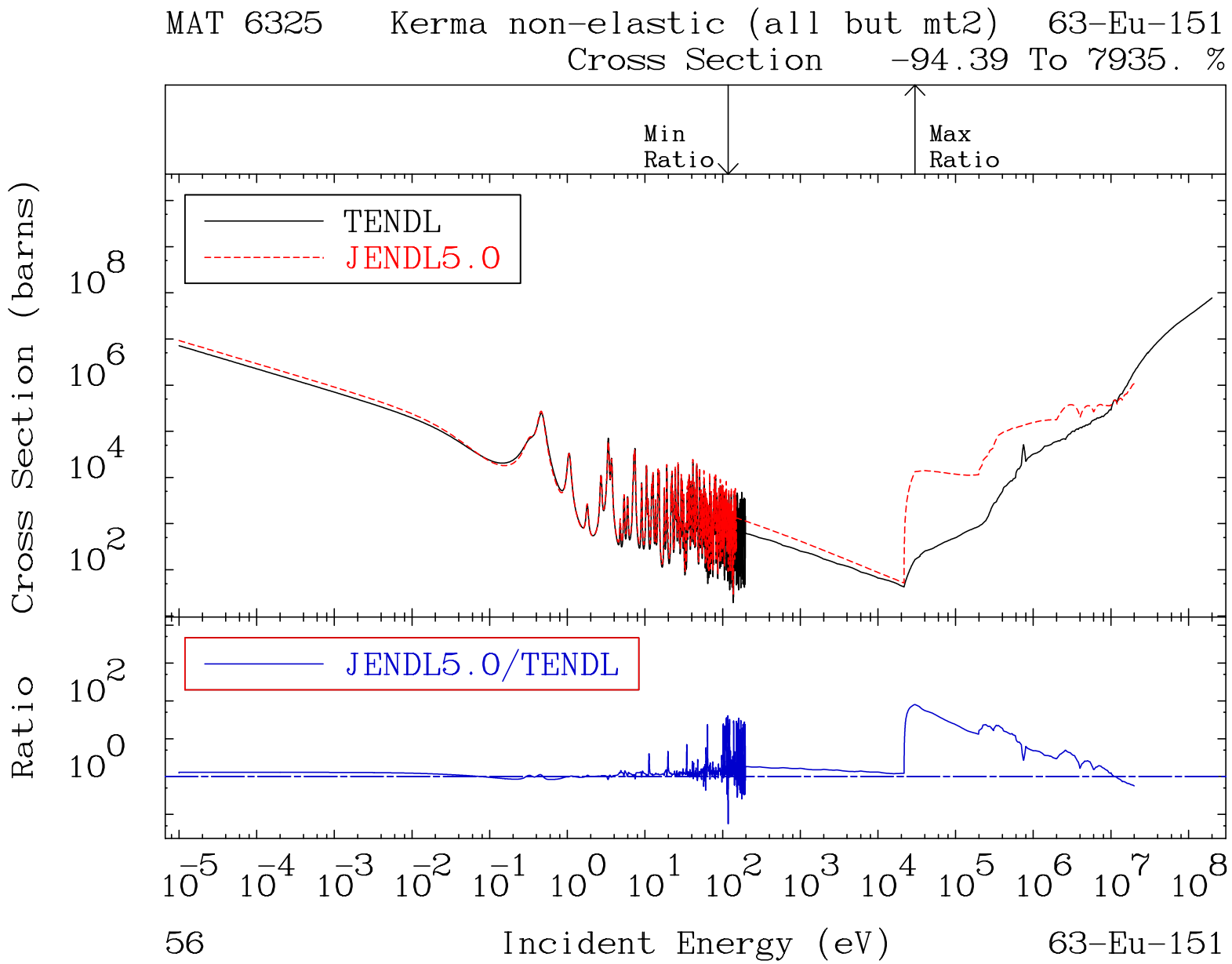

MAT 6325
Tritium Production
63-Eu-151
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4251 MeV
JENDL5.0 Threshold 4.4251 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^5
10^0
10^-5
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
63-Eu-151

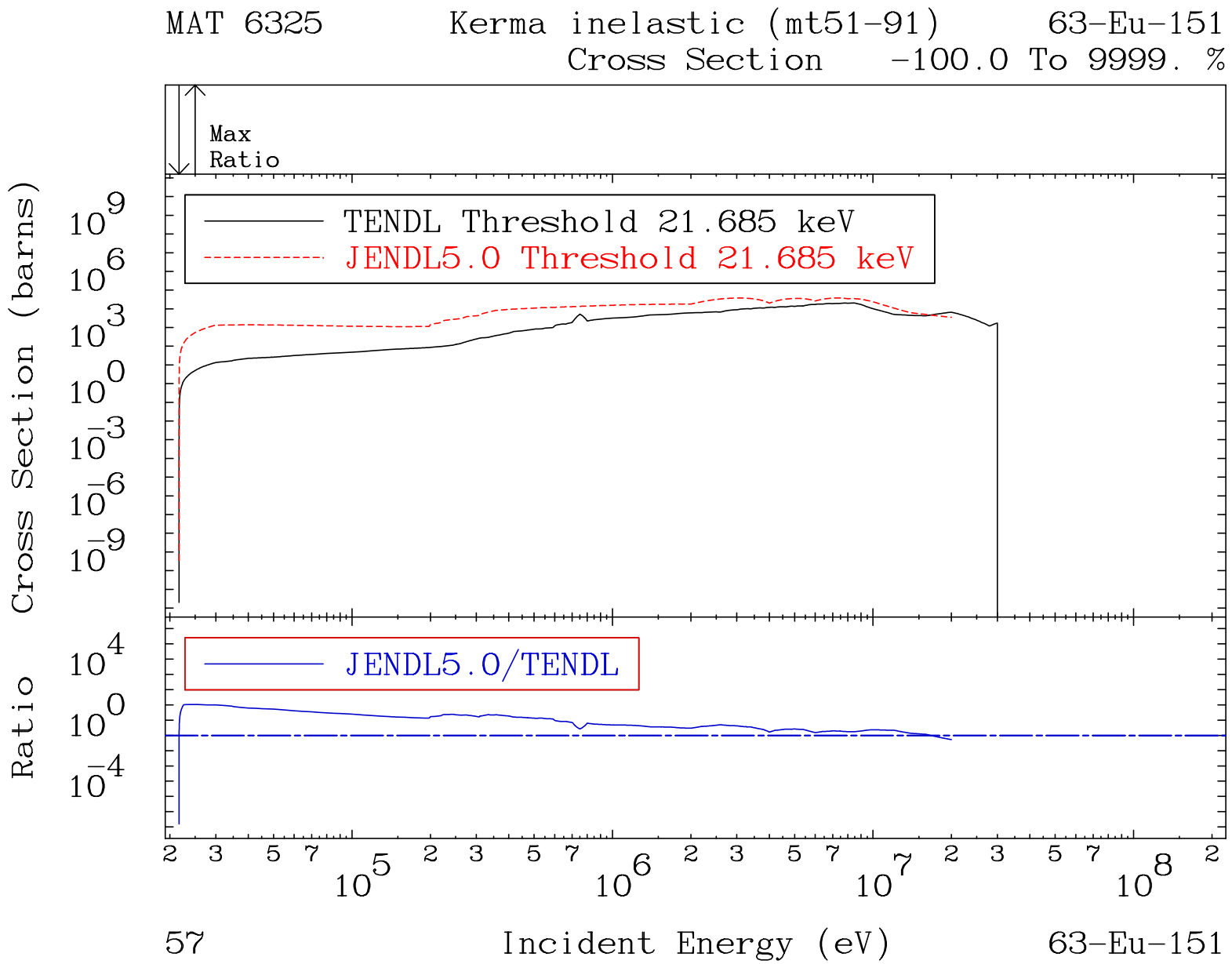

MAT 6325
He-3 Production
Cross Section
63-Eu-151
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.4850 MeV
JENDL5.0 Threshold 5.5992 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
40
20
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
52
Incident Energy (eV)
63-Eu-151

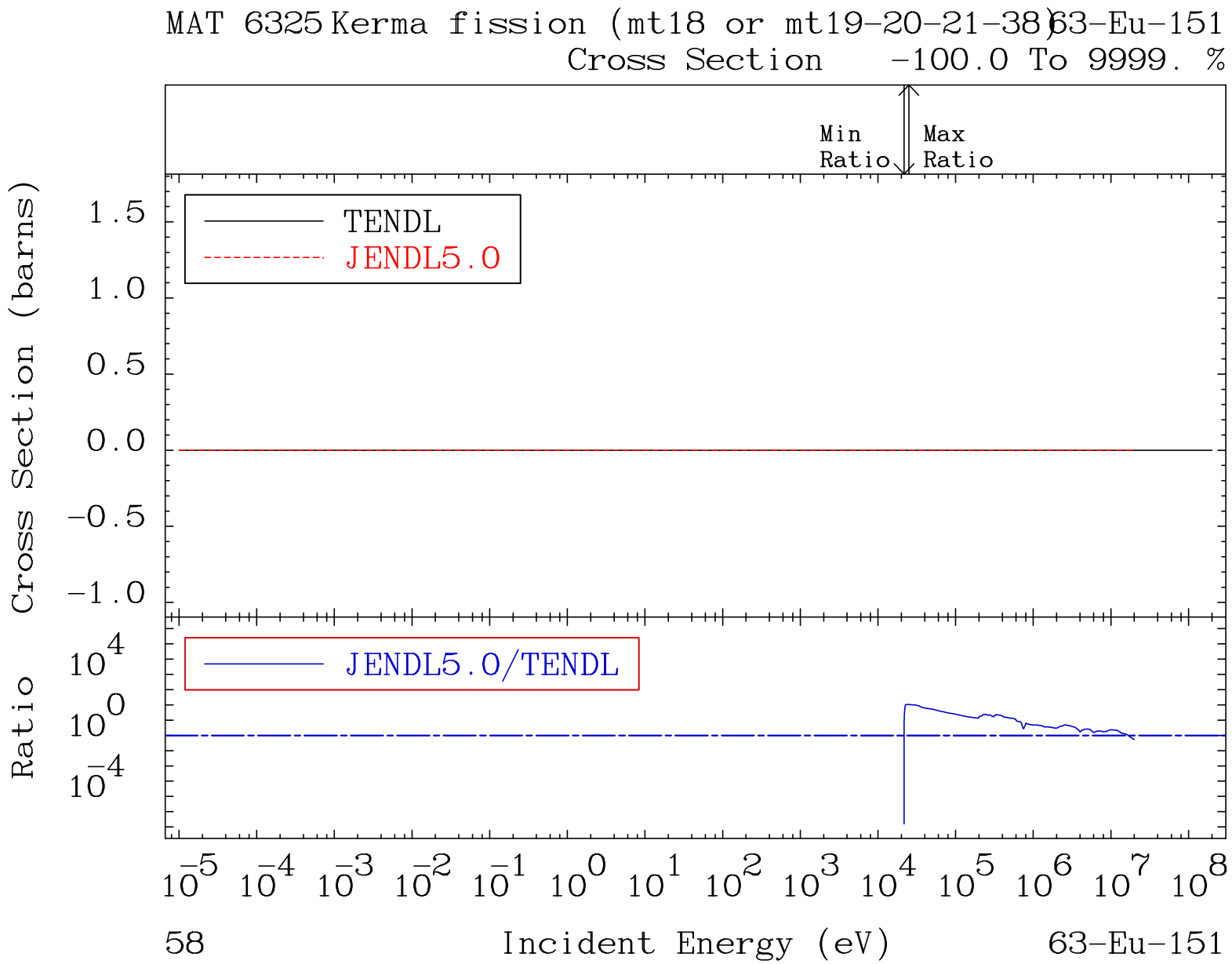

MAT 6325
He-4 Production
Cross Section
63-Eu-151
-97.86 To 339.7 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
63-Eu-151

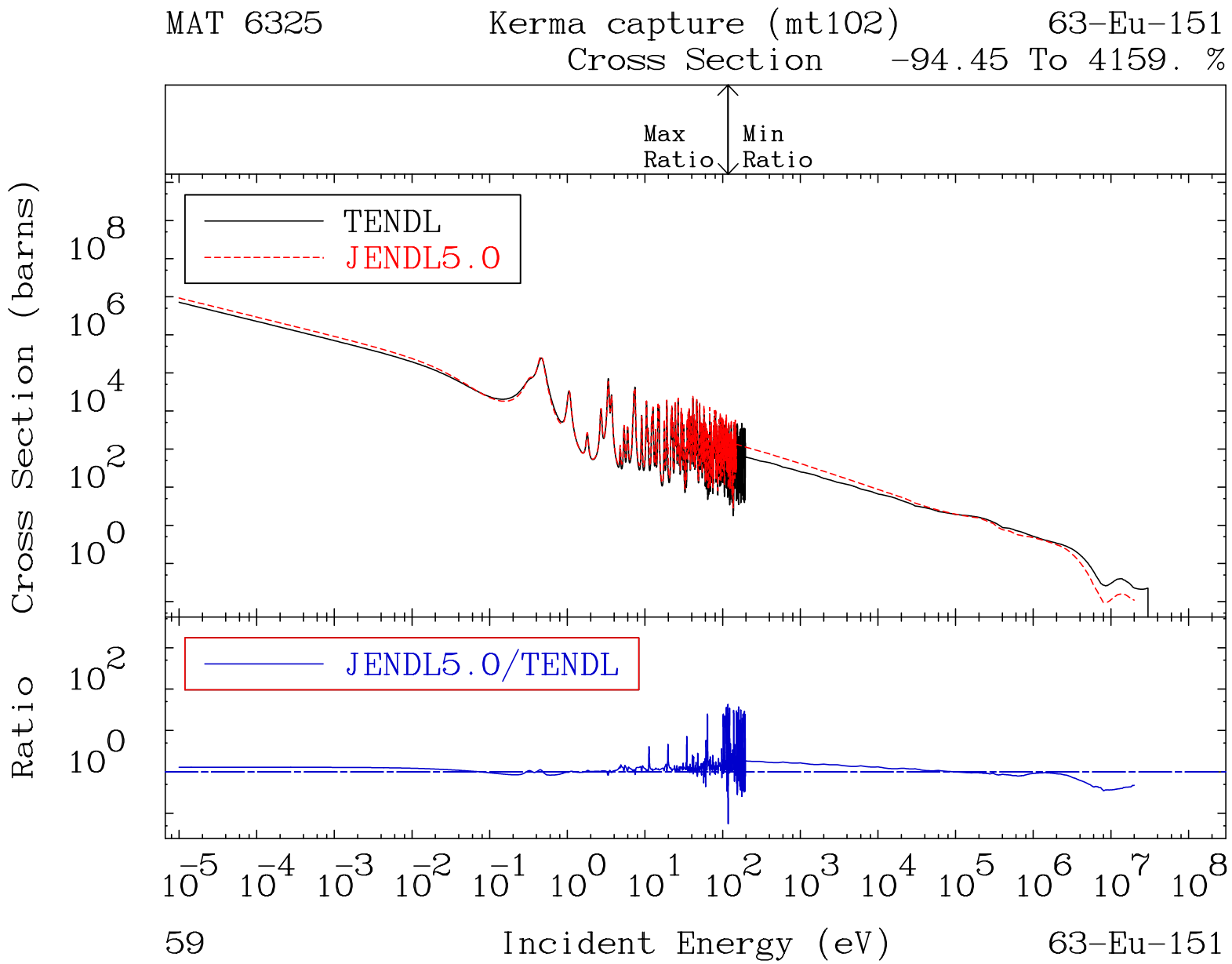

MAT 6325
Kerma total (eV-barns)
63-Eu-151
Cross Section -93.41 To 3361. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
63-Eu-151

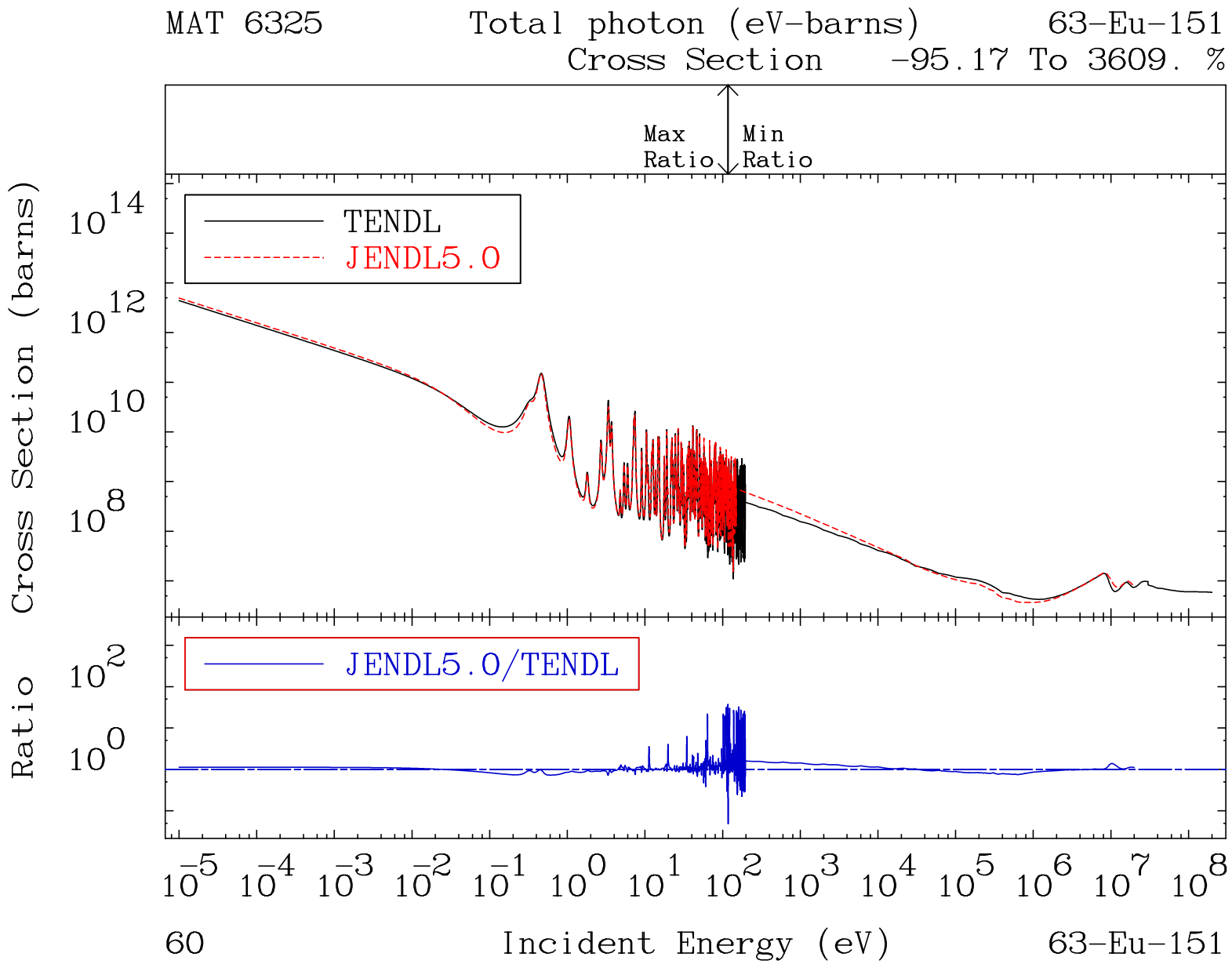

MAT 6325
Kerma elastic
Cross Section
63-Eu-151
-79.40 To 847.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
63-Eu-151

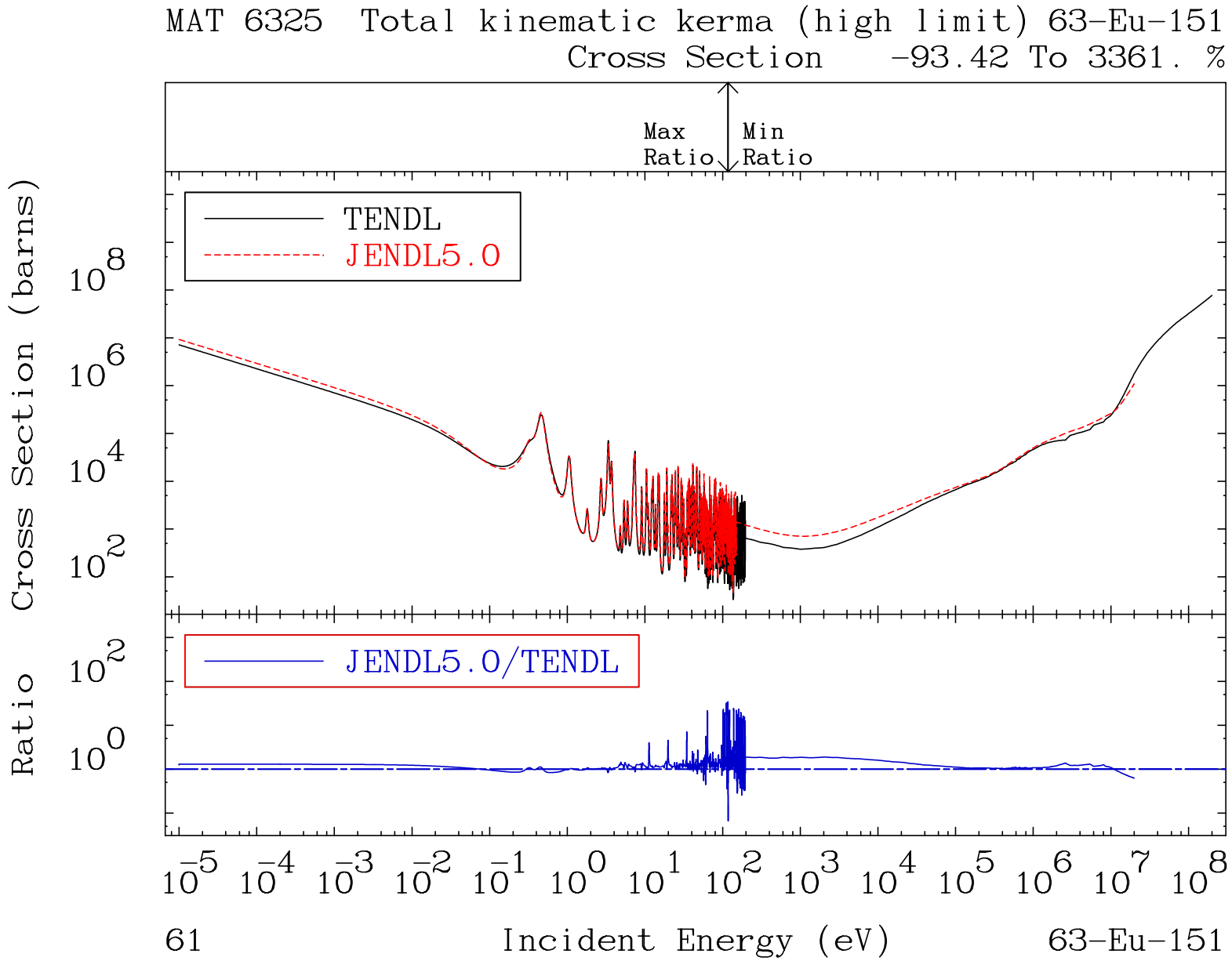

MAT 6325 Kerma non-elastic (all but mt2) 63-Eu-151
Cross Section -94.39 To 7935. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
63-Eu-151

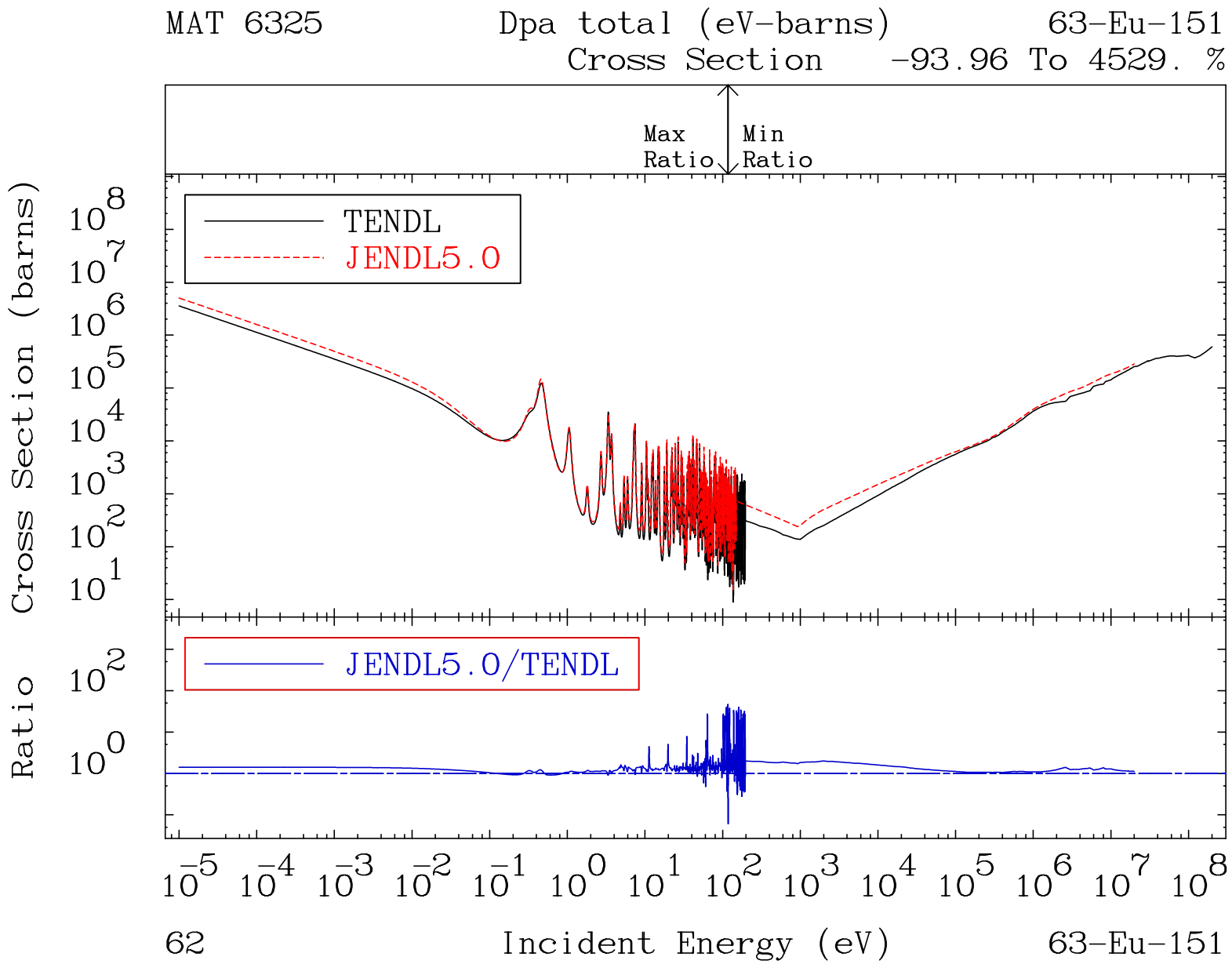

MAT 6325
Kerma inelastic (mt51-91)
63-Eu-151
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 21.685 keV
JENDL5.0 Threshold 21.685 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
63-Eu-151

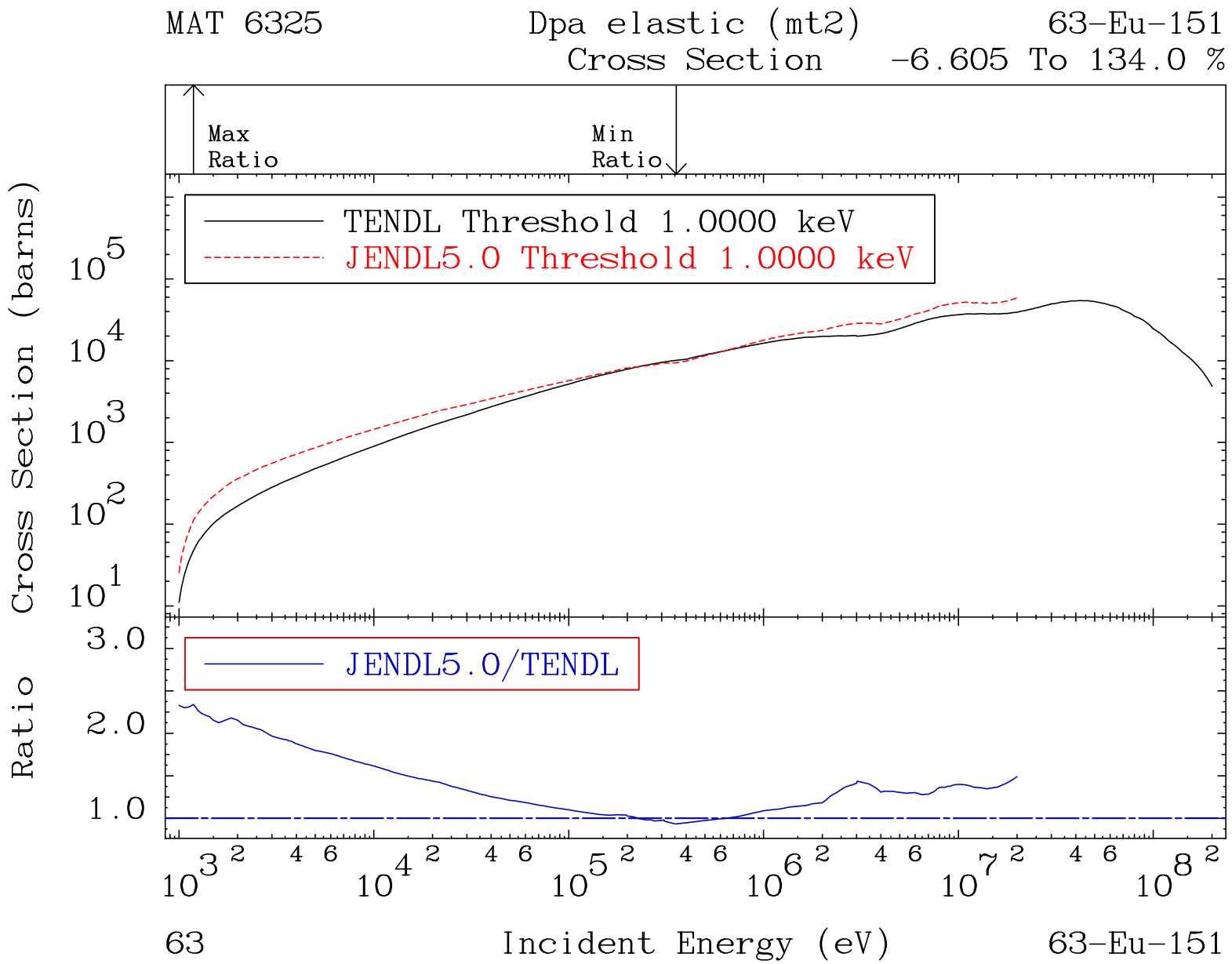

MAT 6325 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-151
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{4}
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
58
Incident Energy (eV)
63-Eu-151

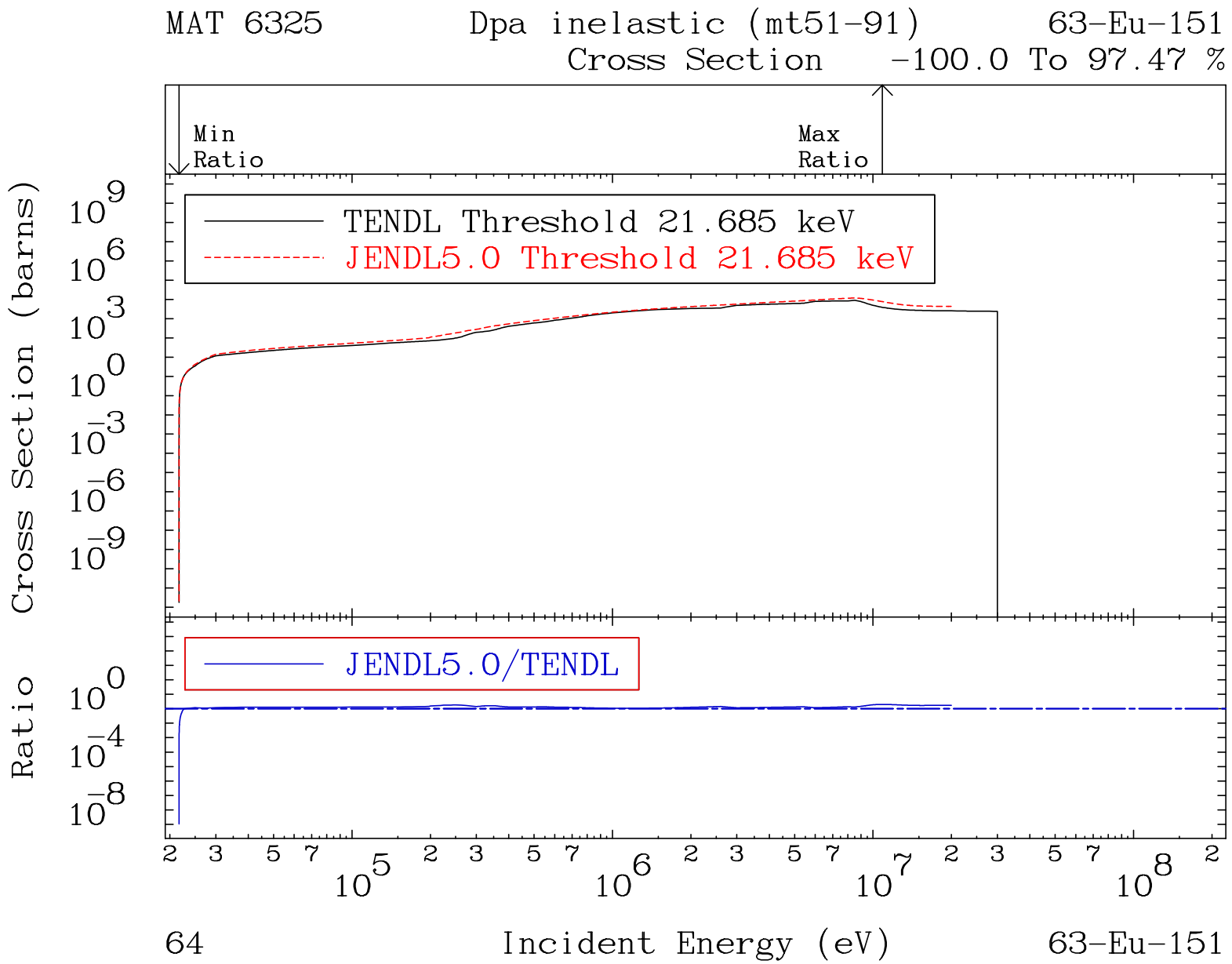

MAT 6325
Kerma capture (mt102)
63-Eu-151
Cross Section -94.45 To 4159. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
63-Eu-151

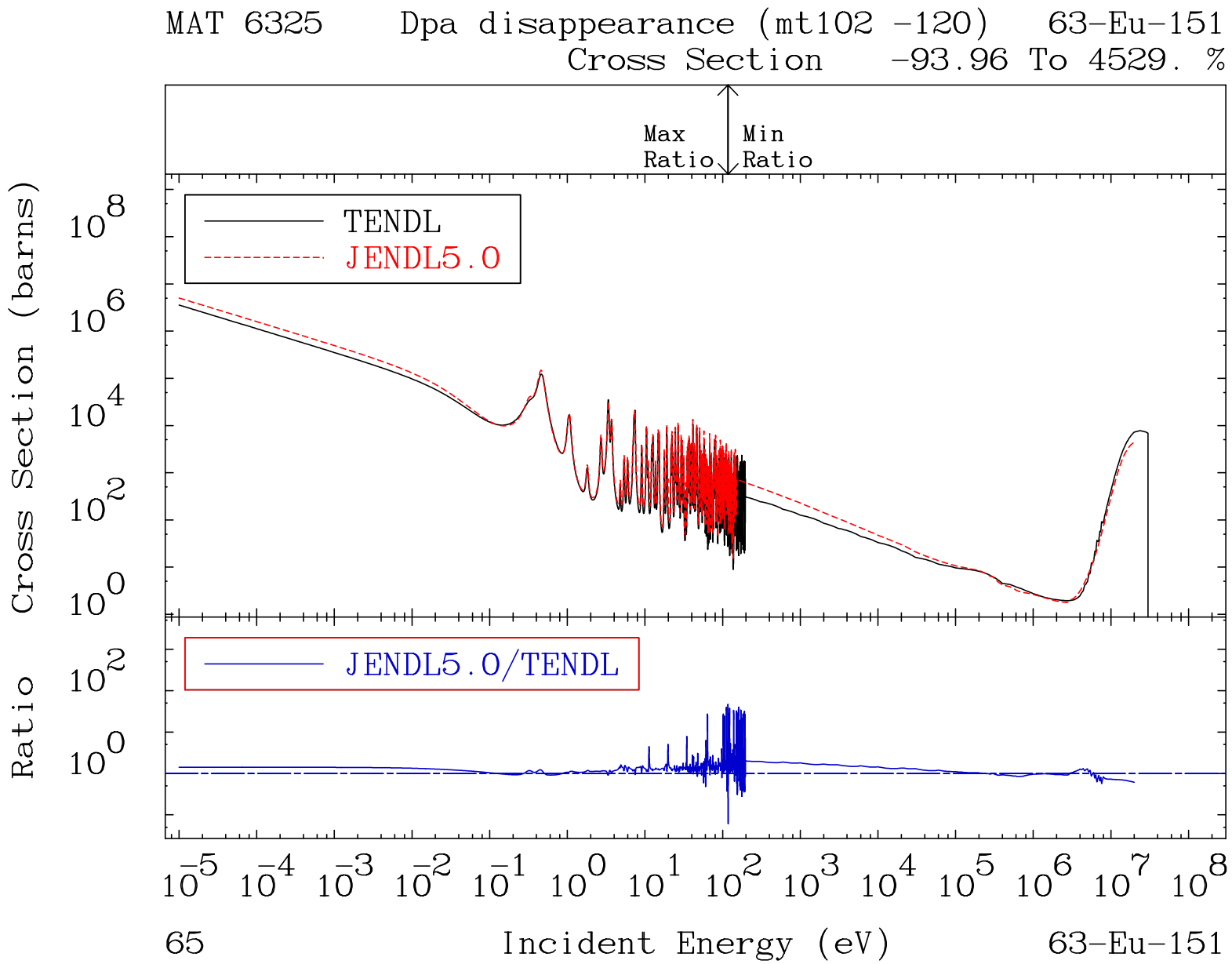

MAT 6325
Total photon (eV-barns)
63-Eu-151
Cross Section -95.17 To 3609. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
63-Eu-151

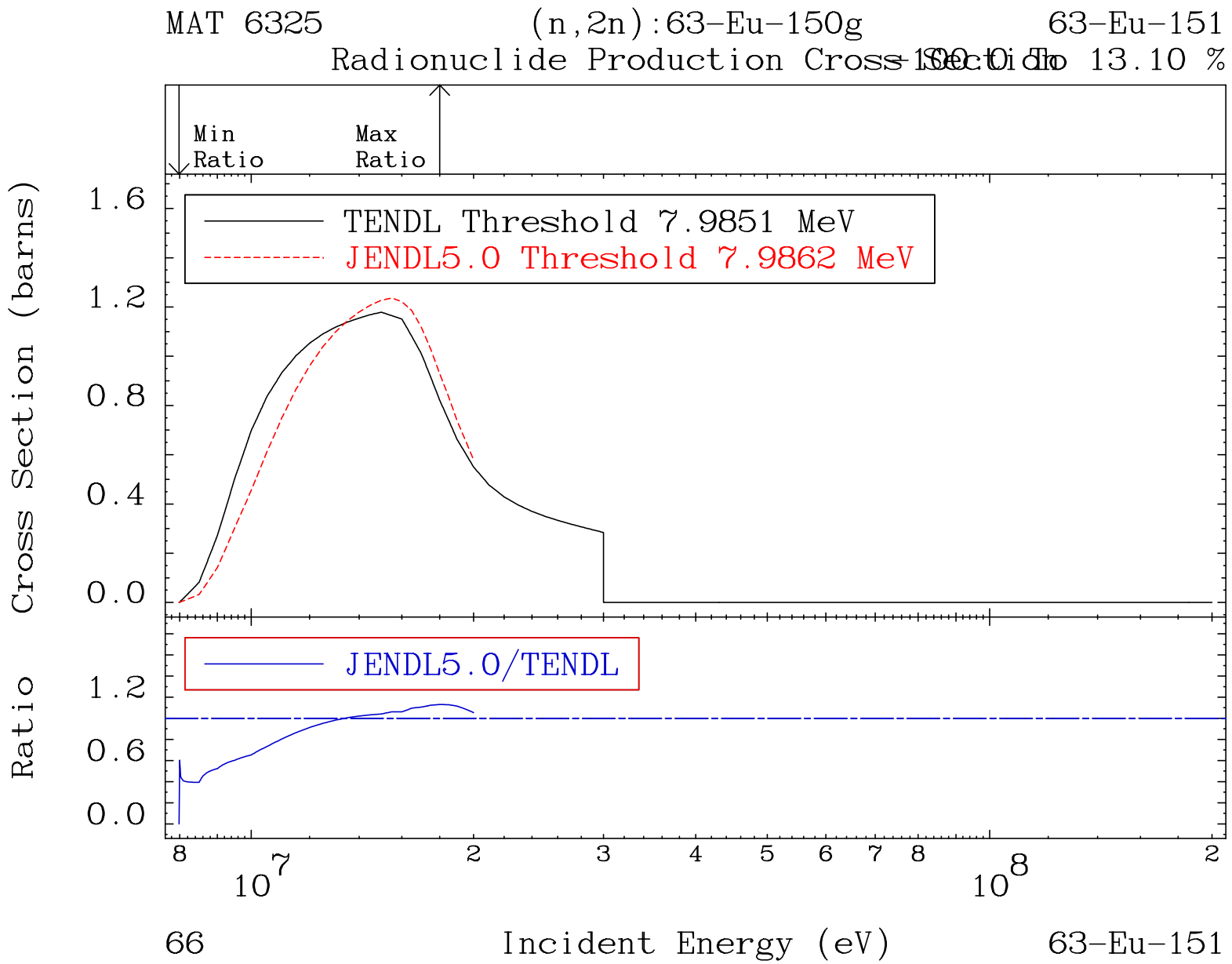

MAT 6325 Total kinematic kerma (high limit) 63-Eu-151
Cross Section -93.42 To 3361. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
63-Eu-151

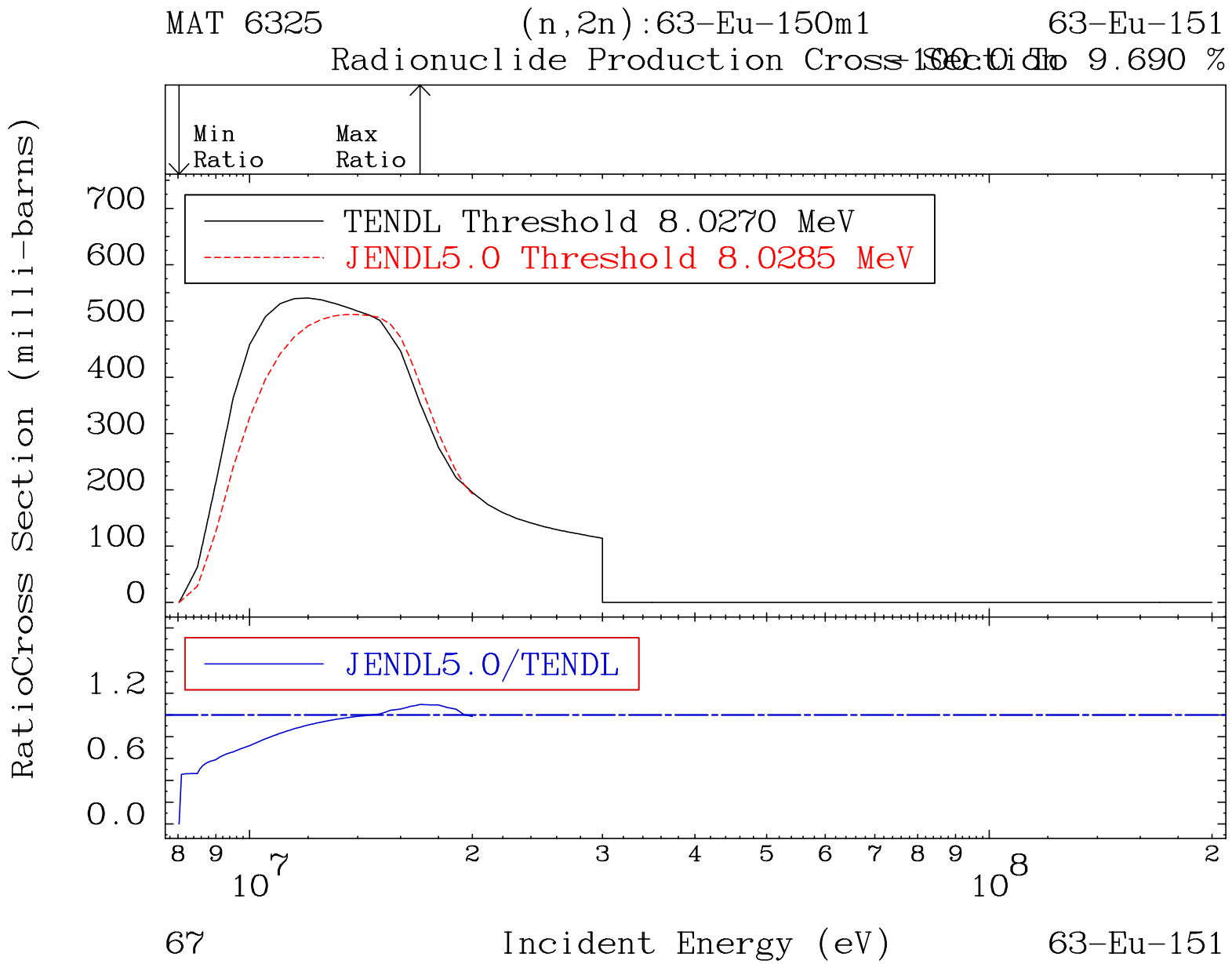

MAT 6325
Dpa total (eV-barns)
63-Eu-151
Cross Section -93.96 To 4529. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
63-Eu-151


MAT 6325
Dpa elastic (mt2)
Cross Section
63-Eu-151
-6.605 To 134.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.0000 keV
JENDL5.0 Threshold 1.0000 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
63-Eu-151


MAT 6325
Dpa inelastic (mt51-91)
63-Eu-151
Cross Section -100.0 To 97.47 %
Min Ratio
Max Ratio
TENDL Threshold 21.685 keV
JENDL5.0 Threshold 21.685 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
63-Eu-151


MAT 6325 Dpa disappearance (mt102 -120) 63-Eu-151
Cross Section -93.96 To 4529. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
63-Eu-151


MAT 6325
(n,2n):63-Eu-150g
63-Eu-151
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.9851 MeV
JENDL5.0 Threshold 7.9862 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
63-Eu-151


MAT 6325
(n,2n):63-Eu-150m1
63-Eu-151
Radionuclide Production Cross Section To 9.690 %
Min Ratio
Max Ratio
TENDL Threshold 8.0270 MeV
JENDL5.0 Threshold 8.0285 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
1.2
0.6
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
67
Incident Energy (eV)
63-Eu-151