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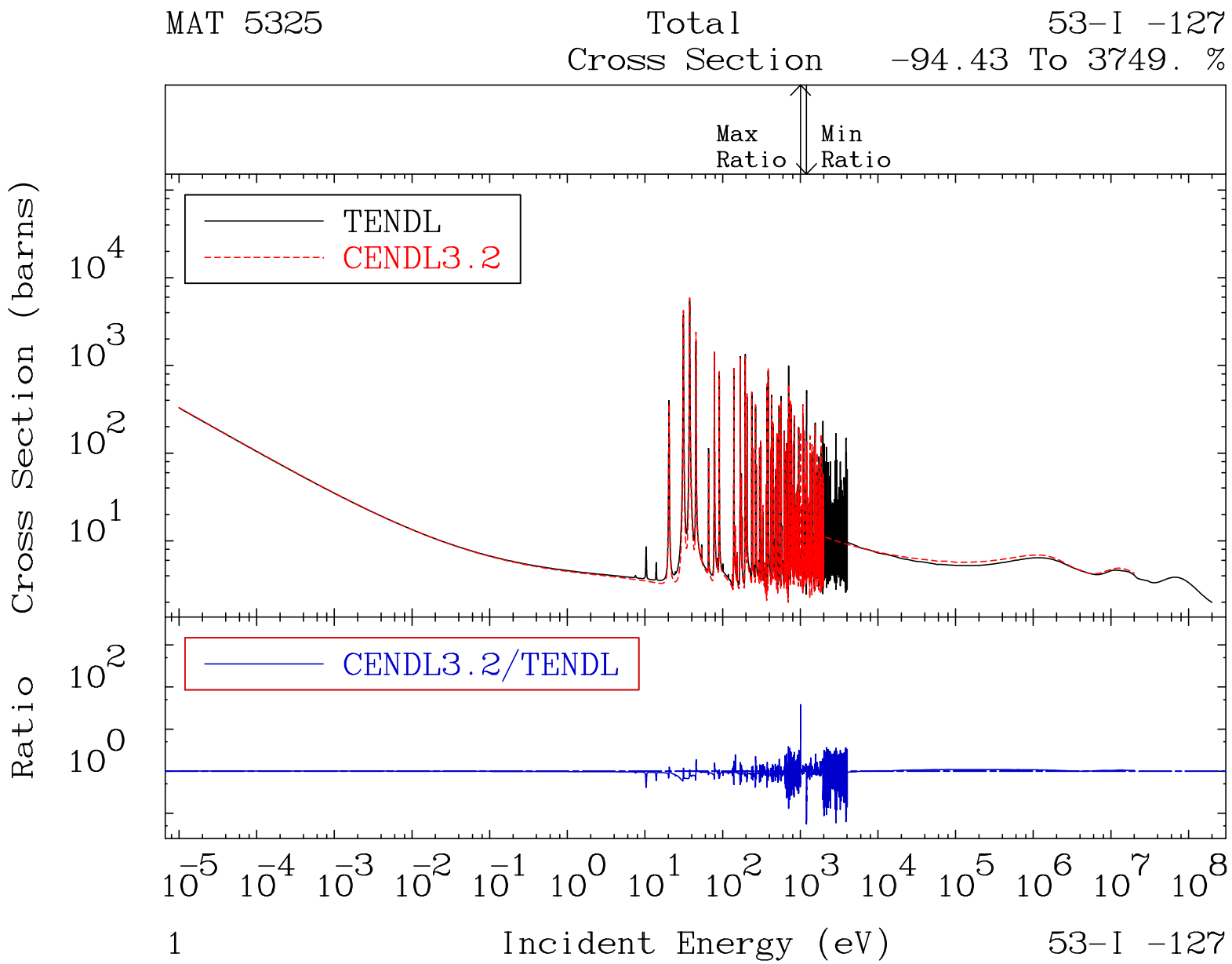
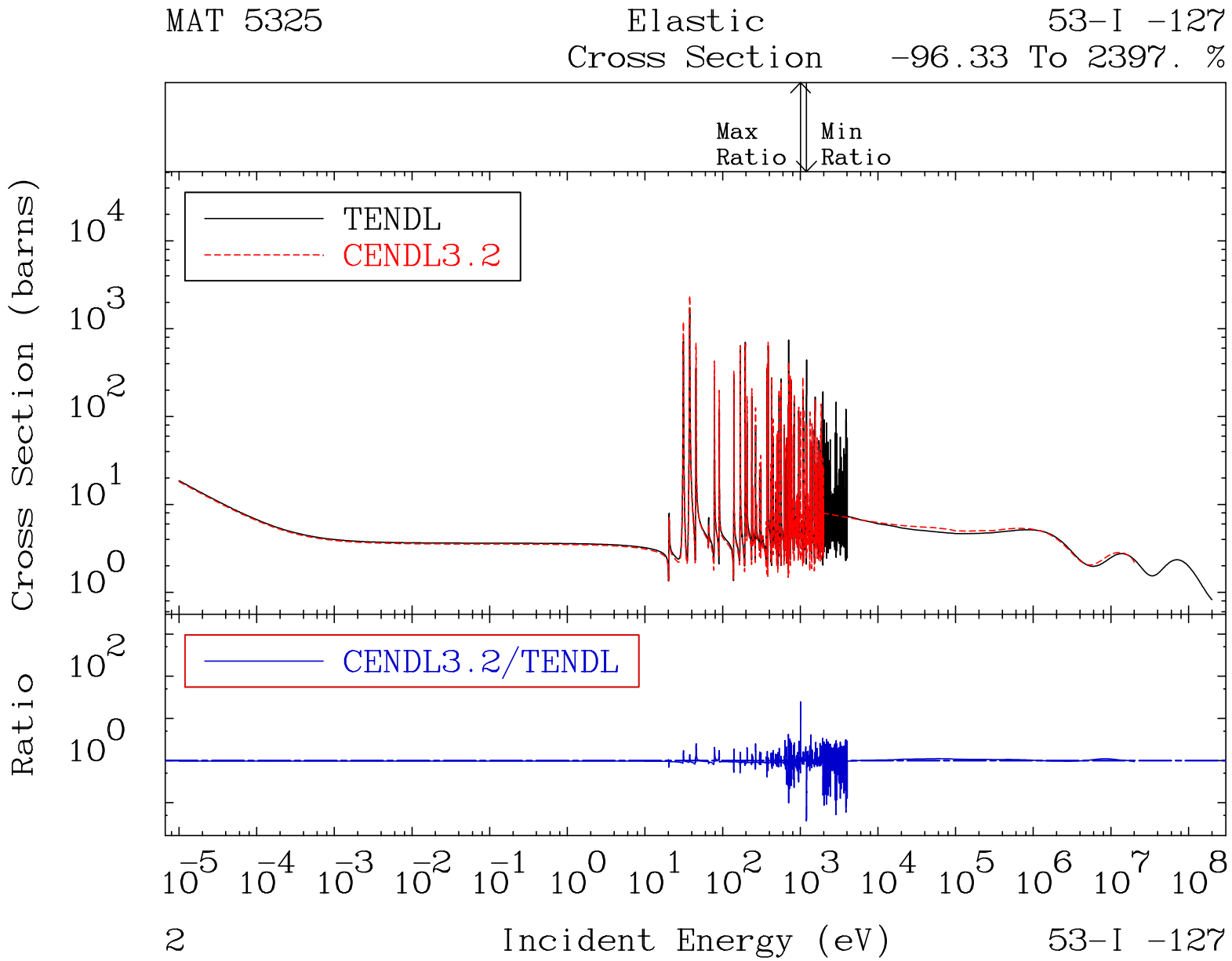
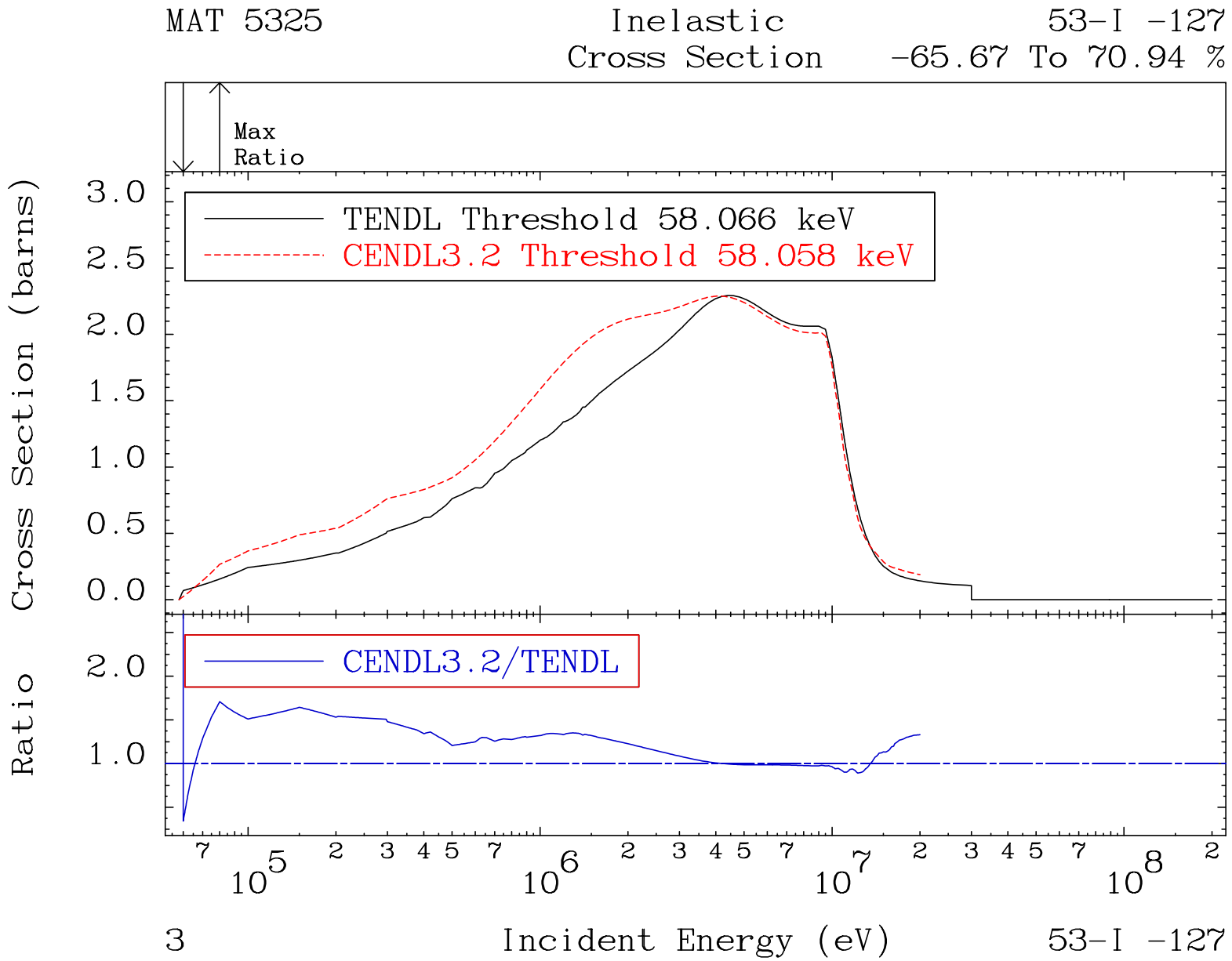
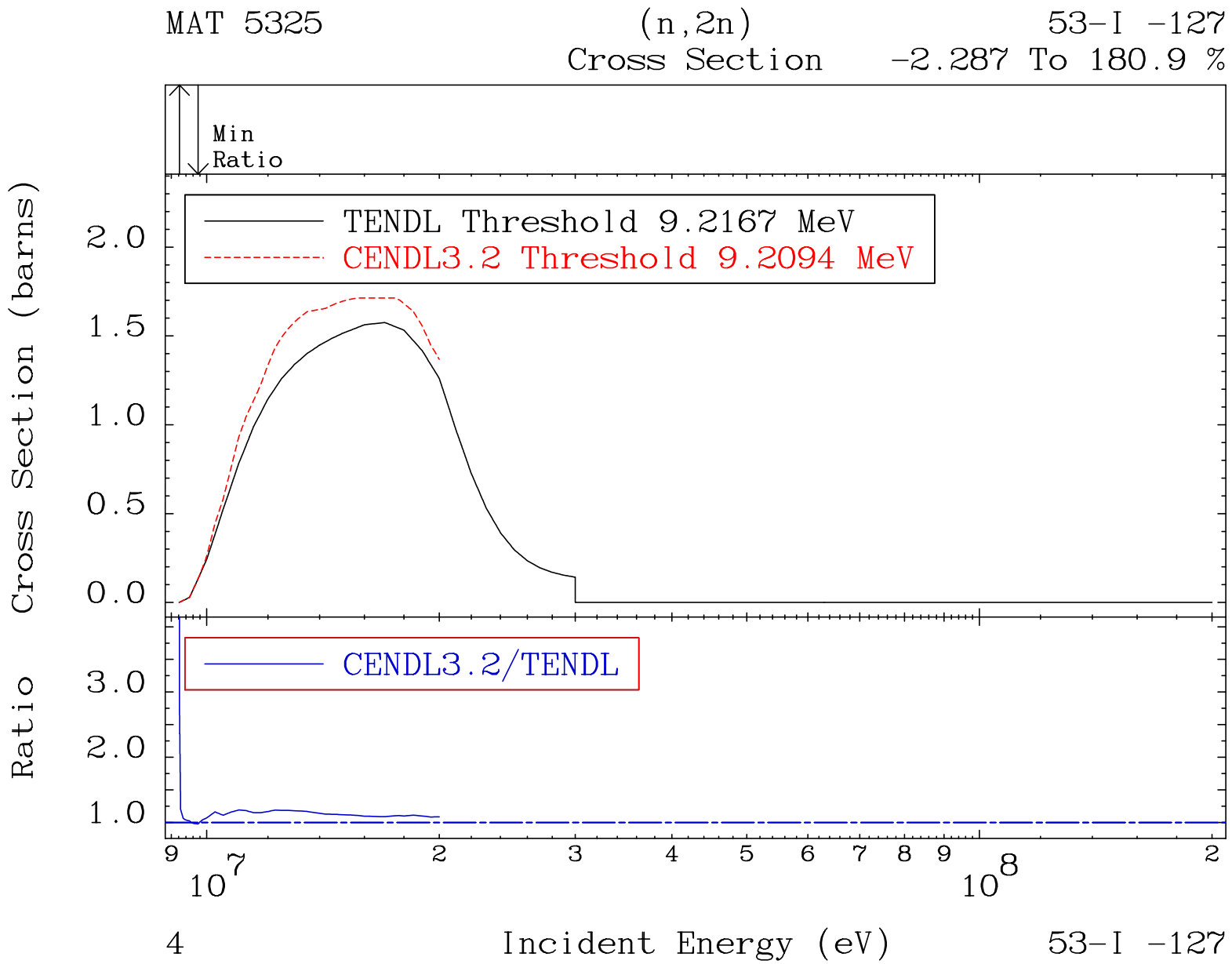
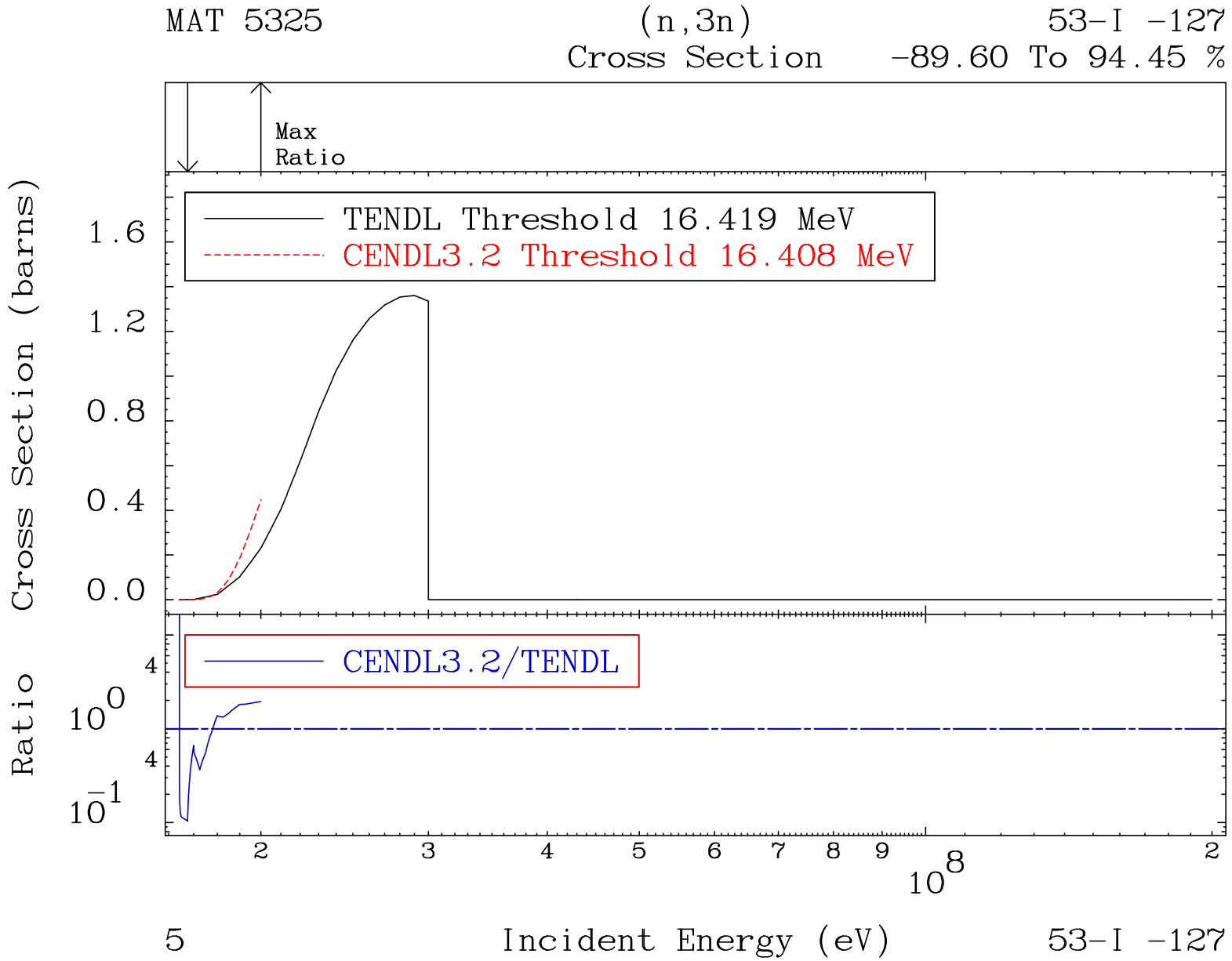
Press Mouse Button to Start

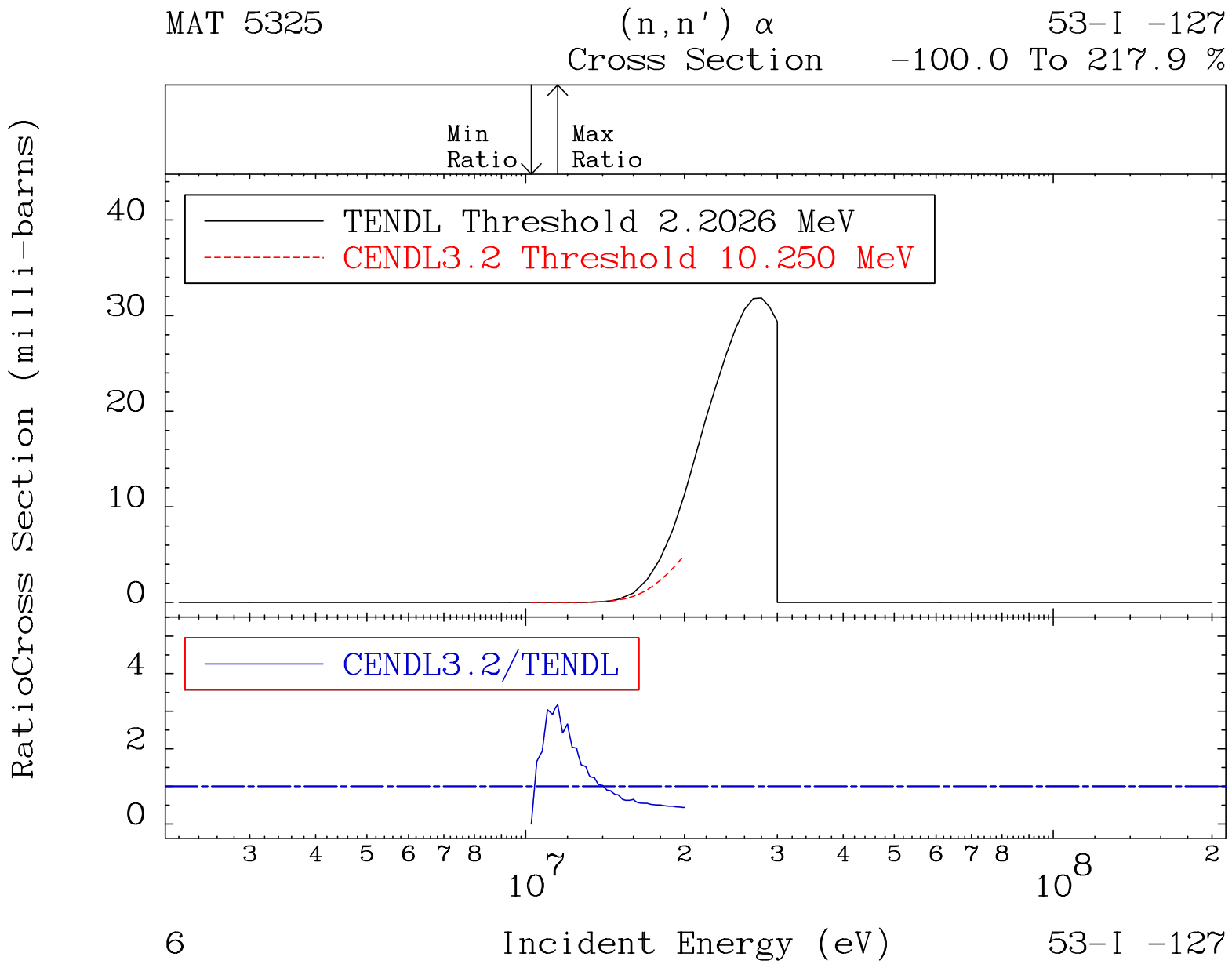

MAT 5325
Total
Cross Section
53-I -127
-94.43 To 3749. %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
1
53-I -127

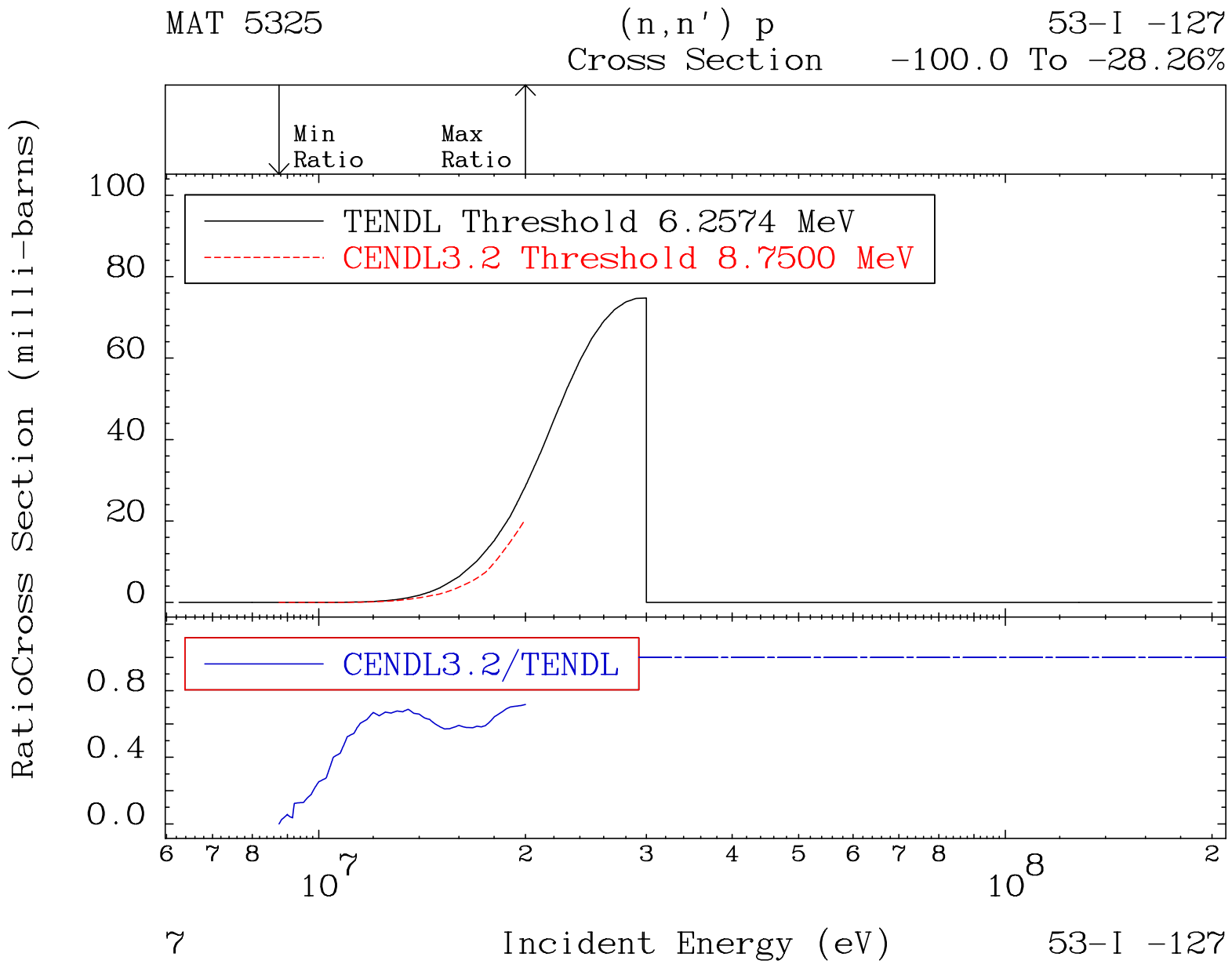

MAT 5325
Elastic
Cross Section
53-I -127
-96.33 To 2397. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
53-I -127

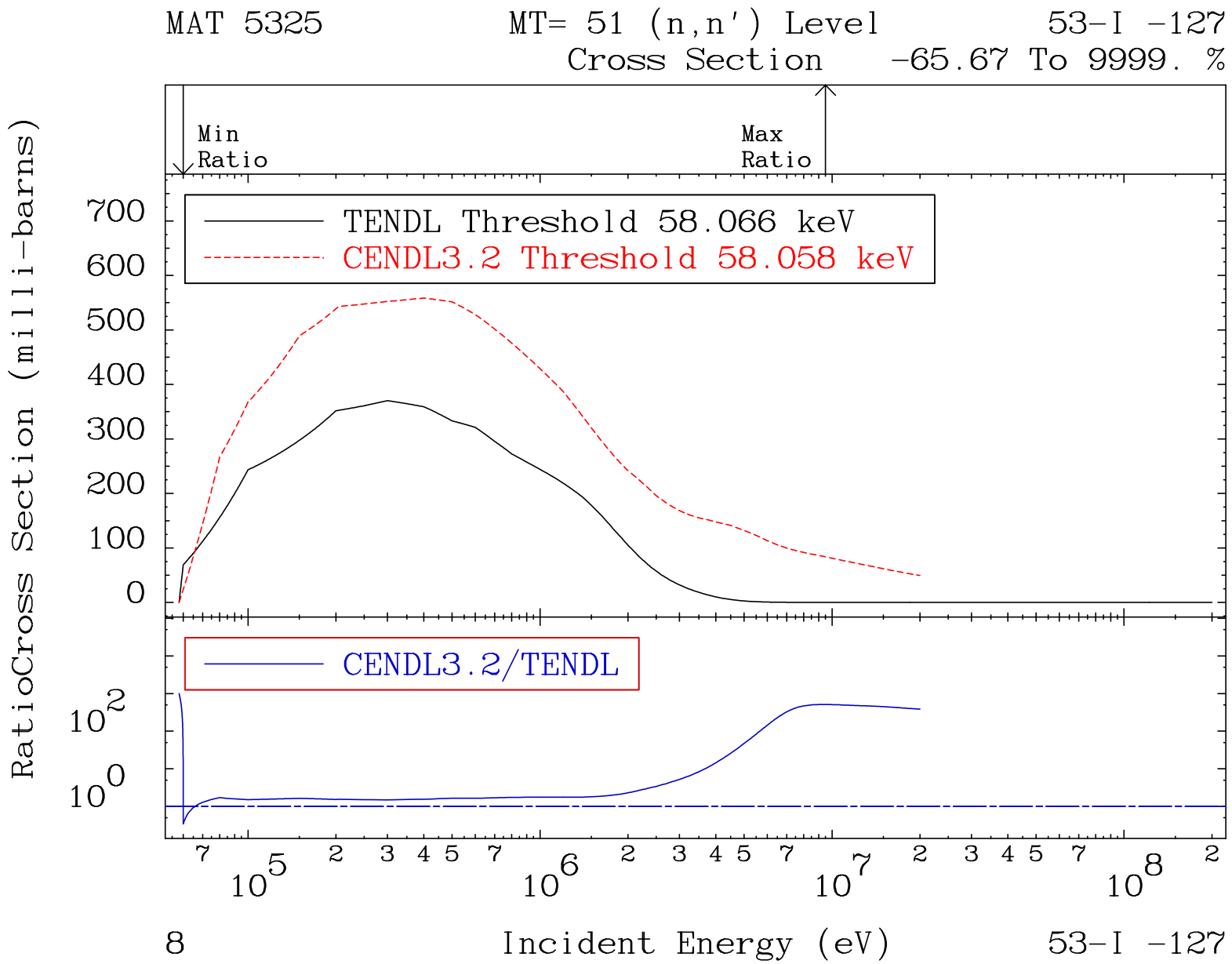

MAT 5325
Inelastic
Cross Section
53-I -127
-65.67 To 70.94 %
Max
Ratio
TENDL Threshold 58.066 keV
CENDL3.2 Threshold 58.058 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
53-I -127

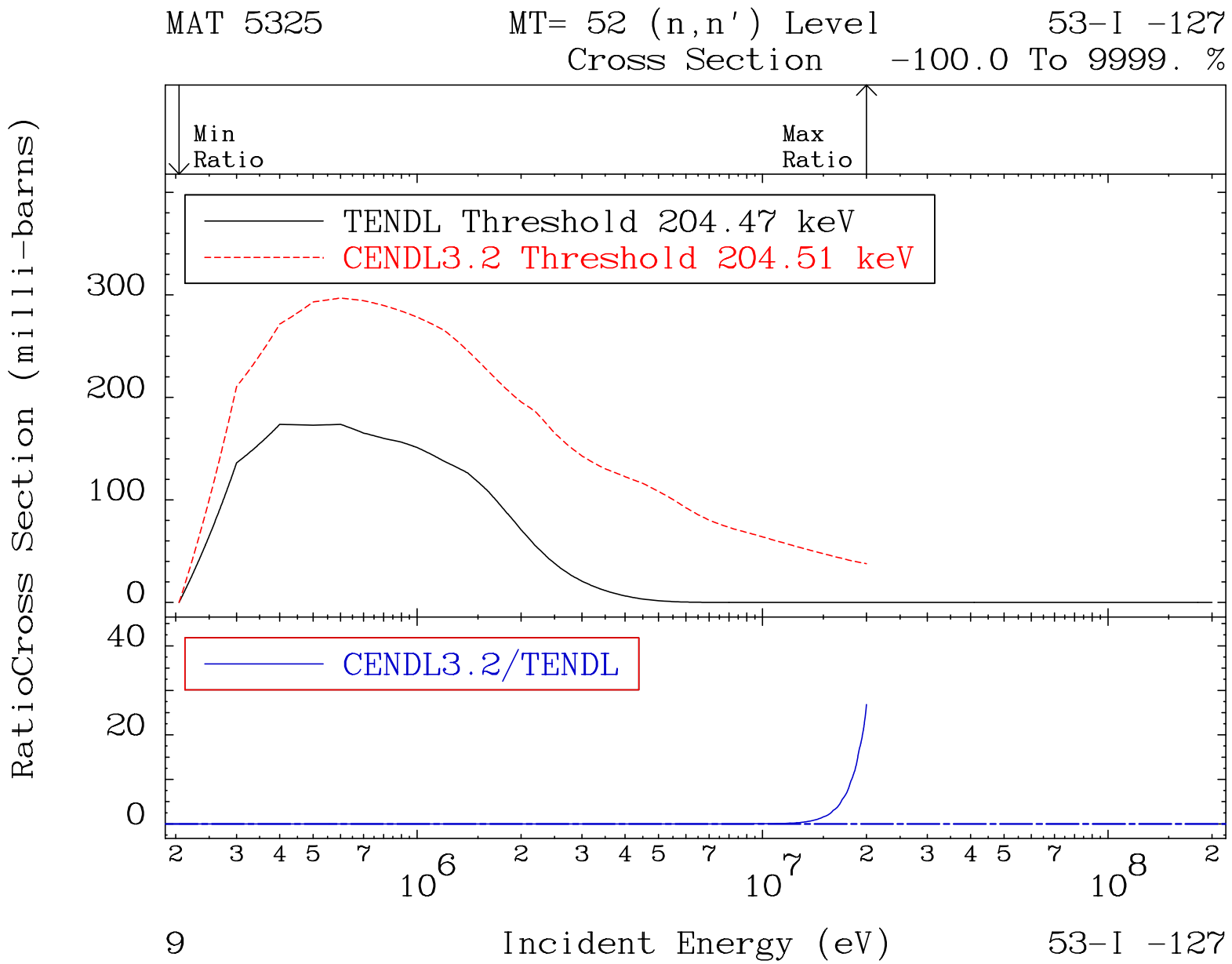

MAT 5325
(n,2n)
Cross Section
53-I -127
-2.287 To 180.9 %
Min
Ratio
TENDL Threshold 9.2167 MeV
CENDL3.2 Threshold 9.2094 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
4
53-I -127

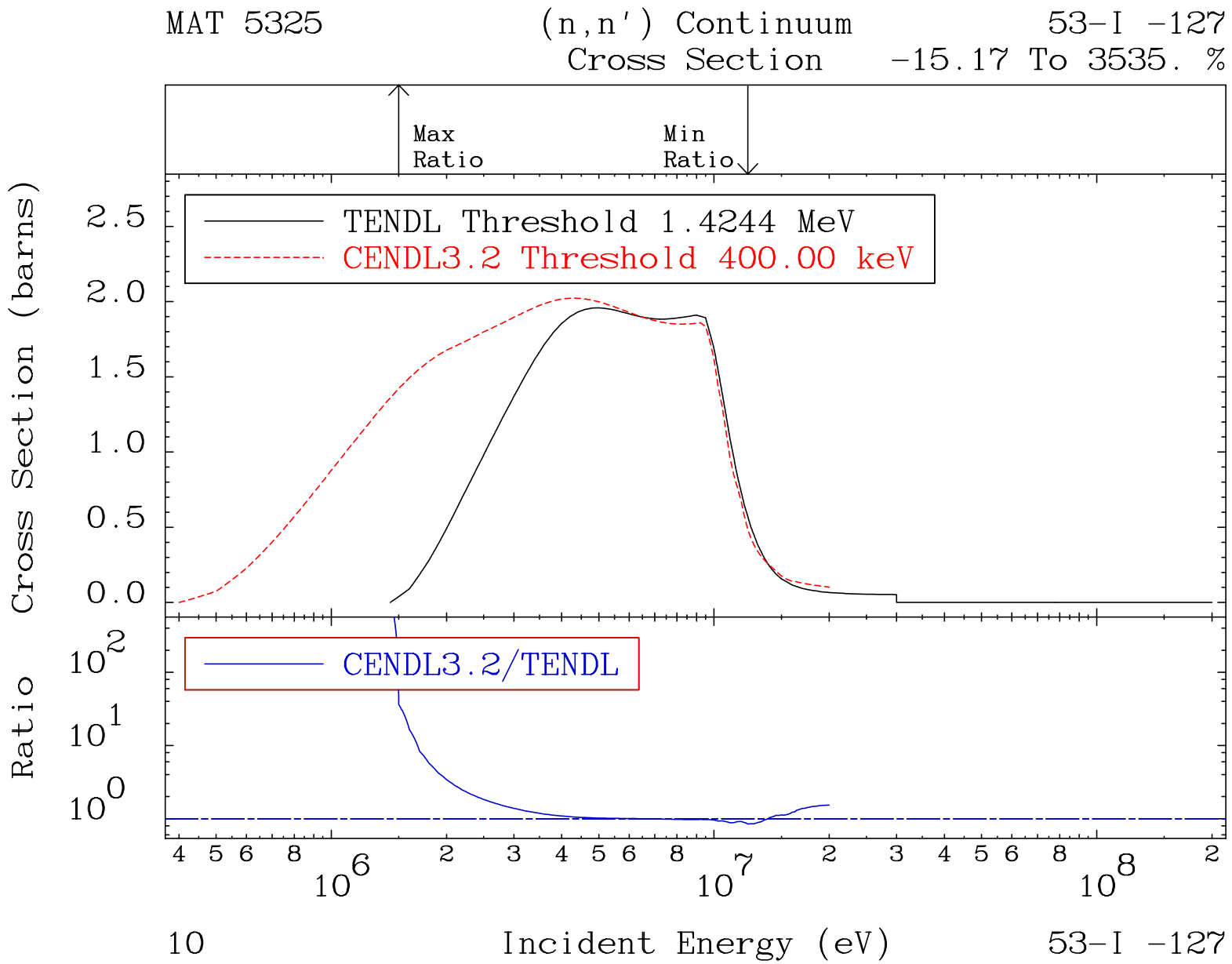

MAT 5325
(n,3n)
Cross Section
53-I -127
-89.60 To 94.45 %
Max
Ratio
TENDL Threshold 16.419 MeV
CENDL3.2 Threshold 16.408 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
CENDL3.2/TENDL
Ratio
10^{0}
10^{-1}
2
3
4
5
6
7
8
9
10^{8}
2
5
Incident Energy (eV)
53-I -127

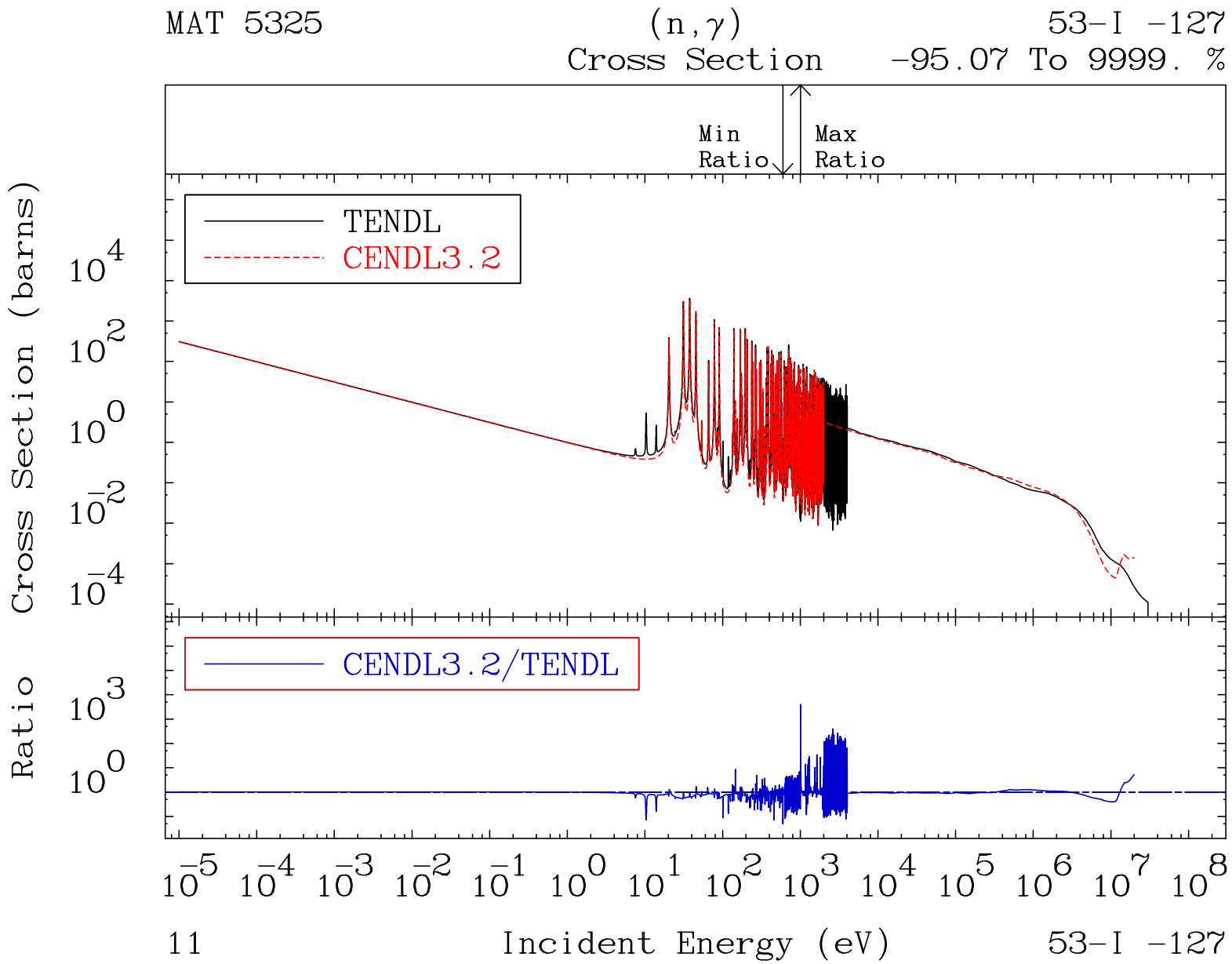

MAT 5325
(n,n') α
Cross Section
53-I -127
-100.0 To 217.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.2026 MeV
CENDL3.2 Threshold 10.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
53-I -127

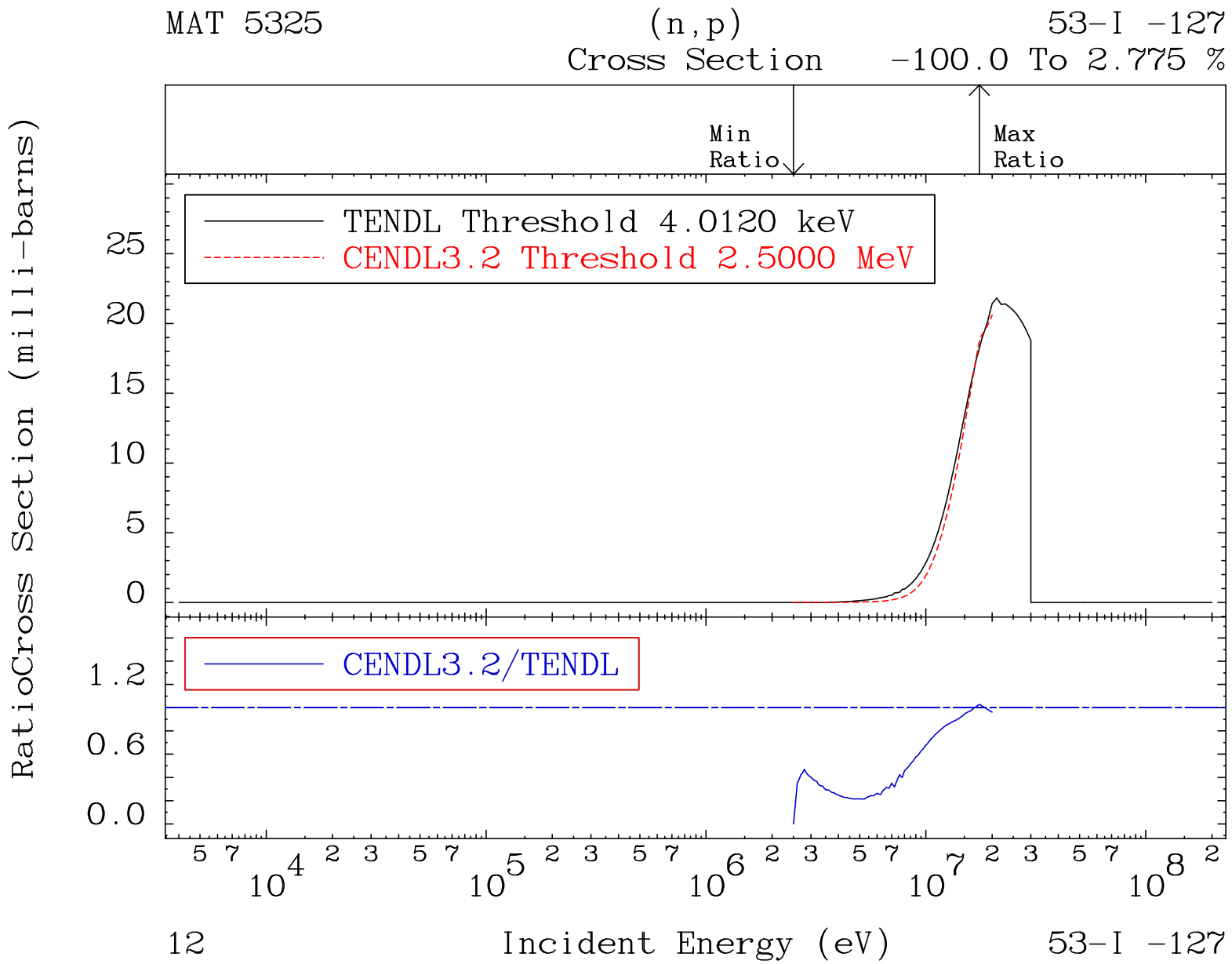

MAT 5325
(n,n') p
Cross Section
53-I -127
-100.0 To -28.26%
Min Ratio
Max Ratio
TENDL Threshold 6.2574 MeV
CENDL3.2 Threshold 8.7500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
0.8
0.4
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
53-I -127

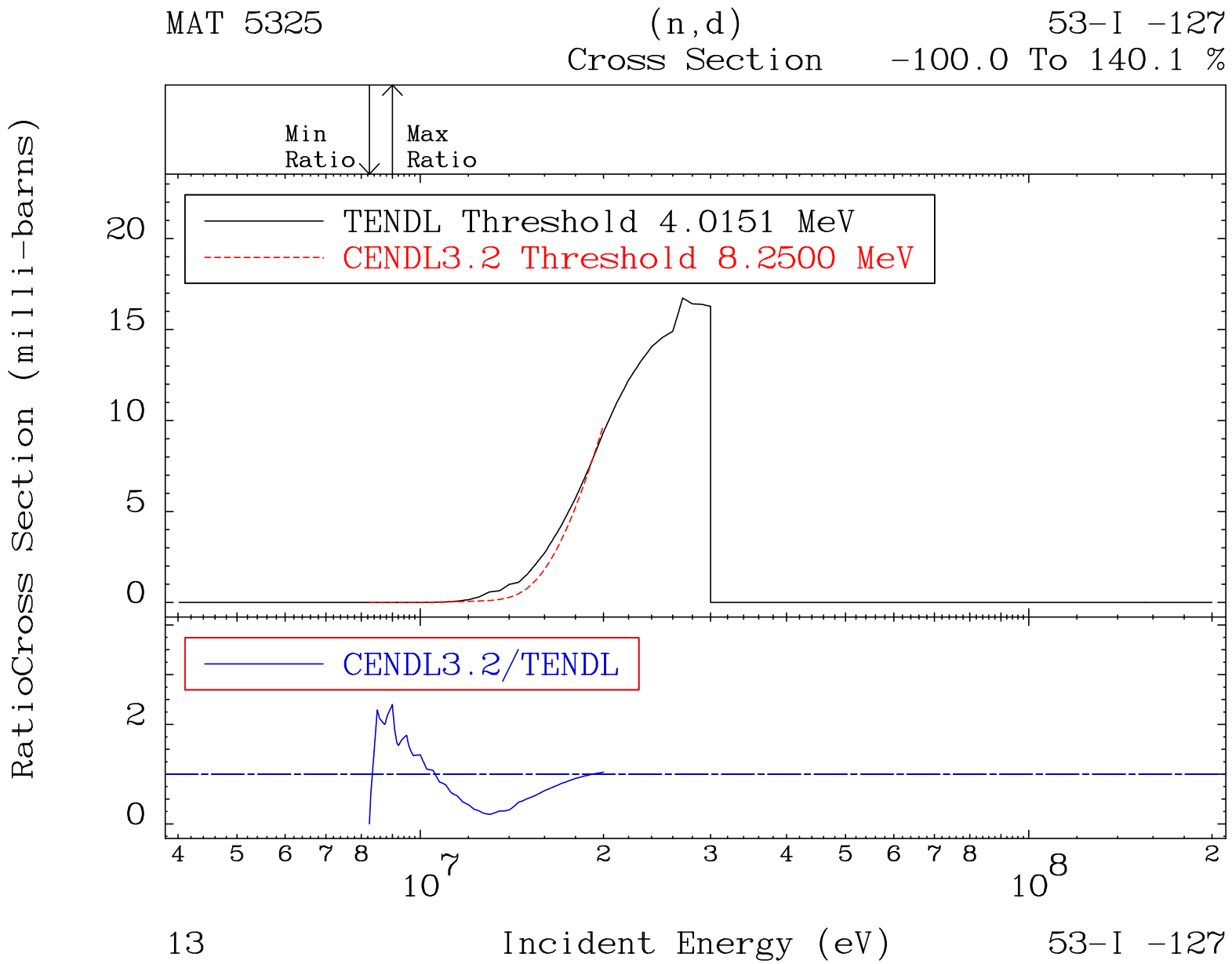

MAT 5325
MT= 51 (n,n') Level
53-I -127
Cross Section -65.67 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 58.066 keV
CENDL3.2 Threshold 58.058 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
53-I -127

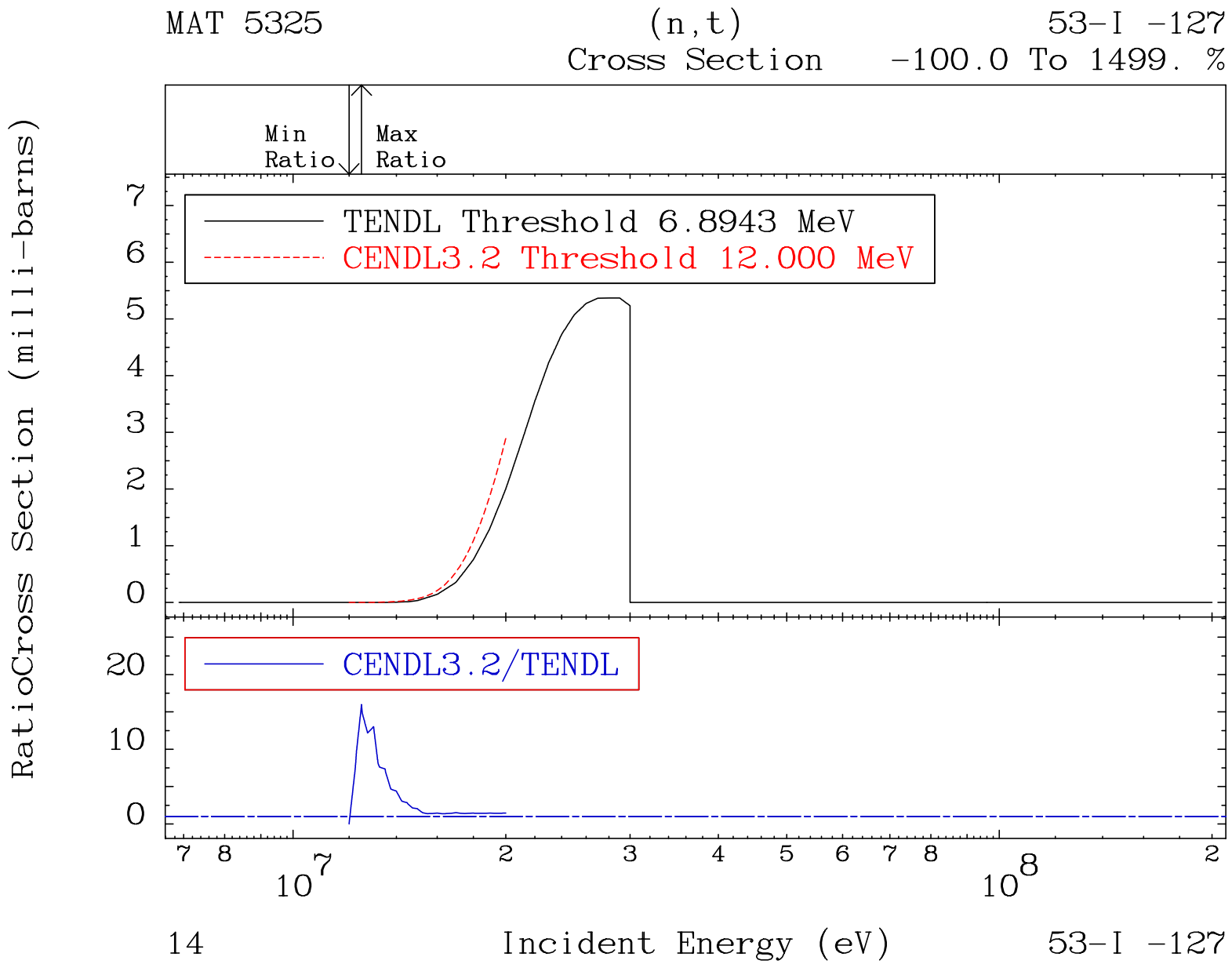

MAT 5325
MT= 52 (n,n') Level
53-I -127
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 204.47 keV
CENDL3.2 Threshold 204.51 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
200
100
0
40
20
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
9
53-I -127

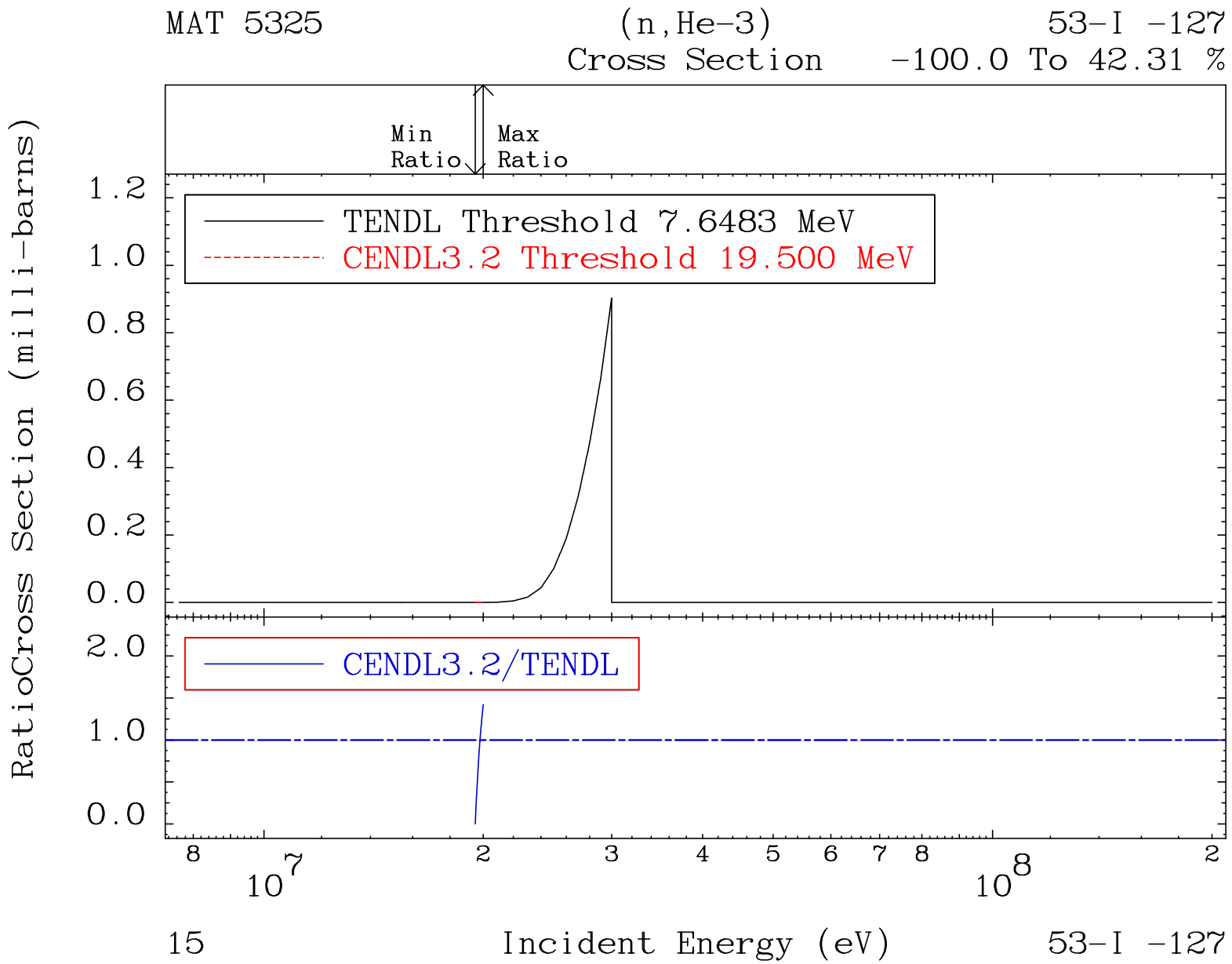

MAT 5325
(n,n') Continuum
Cross Section
53-I -127
-15.17 To 3535. %
Max Ratio
Min Ratio
TENDL Threshold 1.4244 MeV
CENDL3.2 Threshold 400.00 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53-I -127

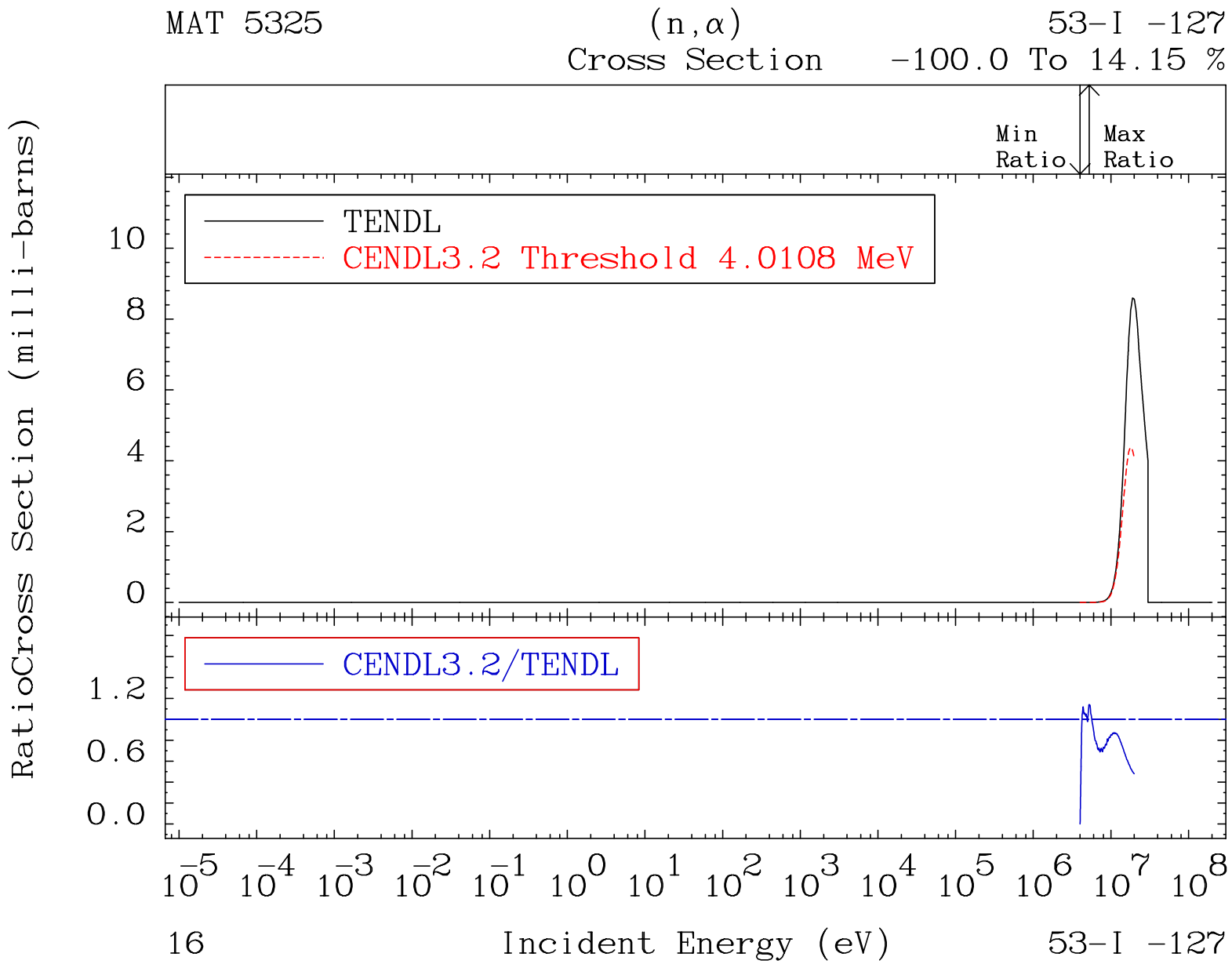

MAT 5325
(n,γ)
Cross Section
53-I -127
-95.07 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
11
53-I -127

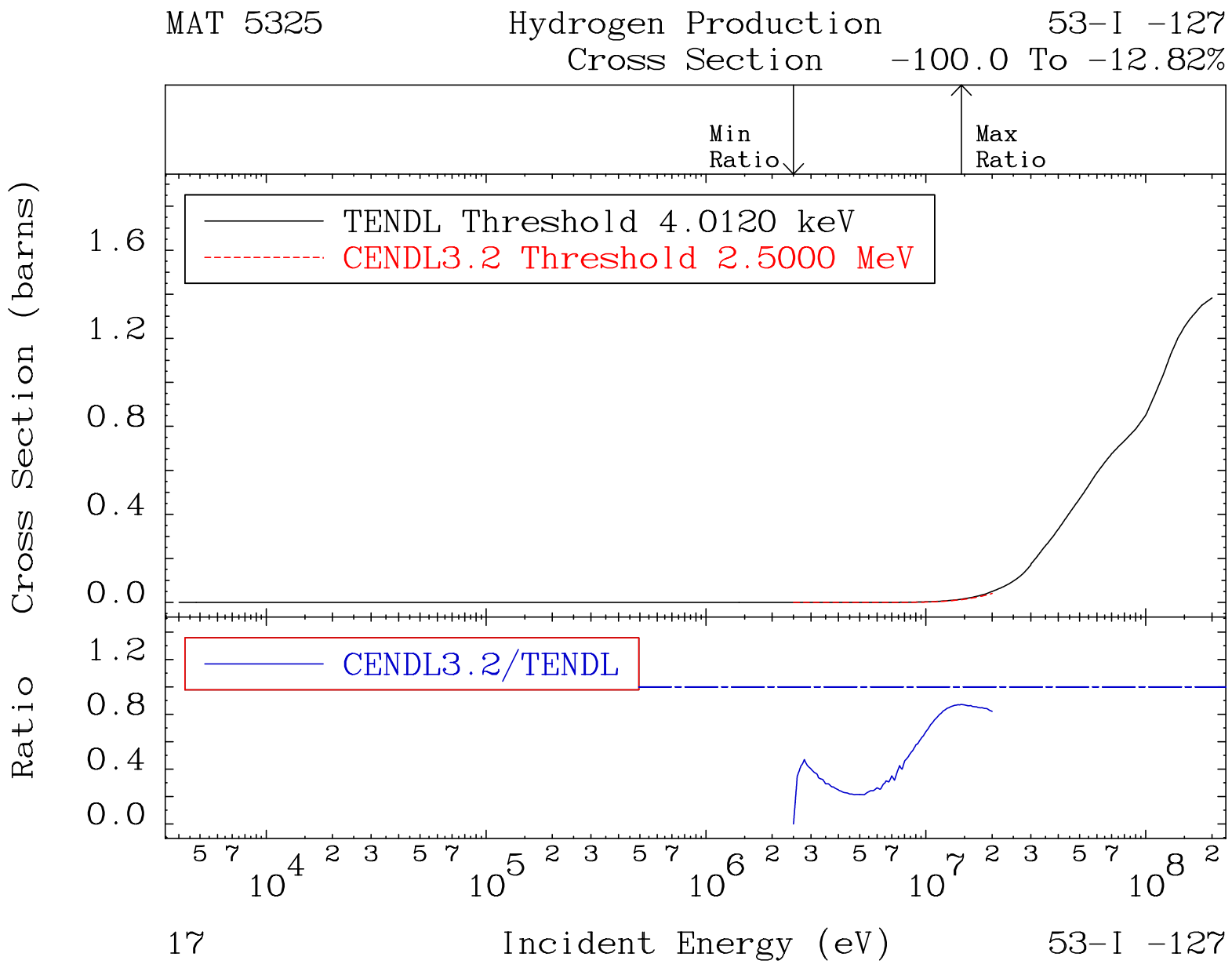

MAT 5325
(n,p)
Cross Section
53-I -127
-100.0 To 2.775 %
Min Ratio
Max Ratio
TENDL Threshold 4.0120 keV
CENDL3.2 Threshold 2.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.6
0.0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
12
Incident Energy (eV)
53-I -127

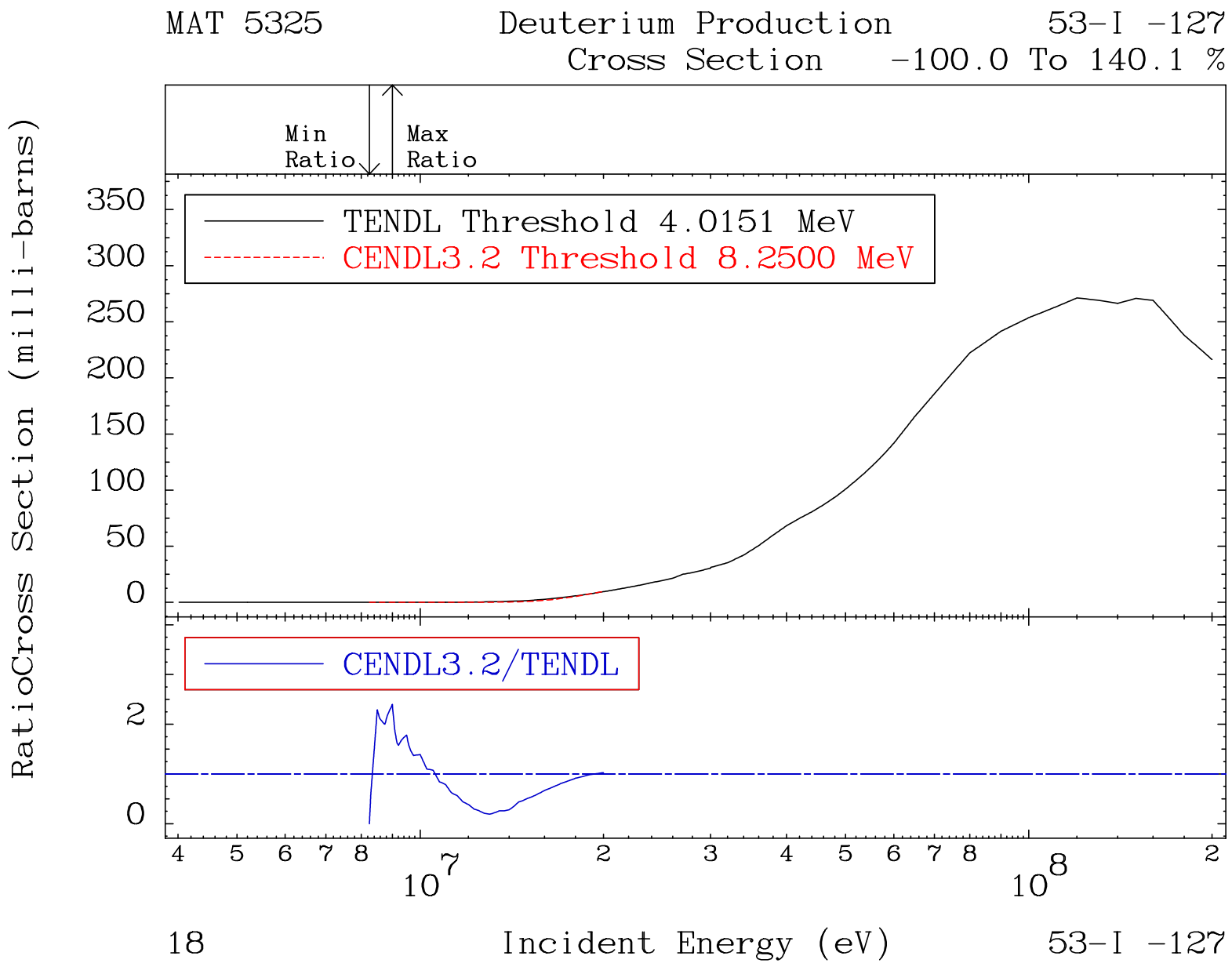

MAT 5325
(n,d)
53-I -127
Cross Section
-100.0 To 140.1 %
Min Ratio
Max Ratio
TENDL Threshold 4.0151 MeV
CENDL3.2 Threshold 8.2500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
53-I -127

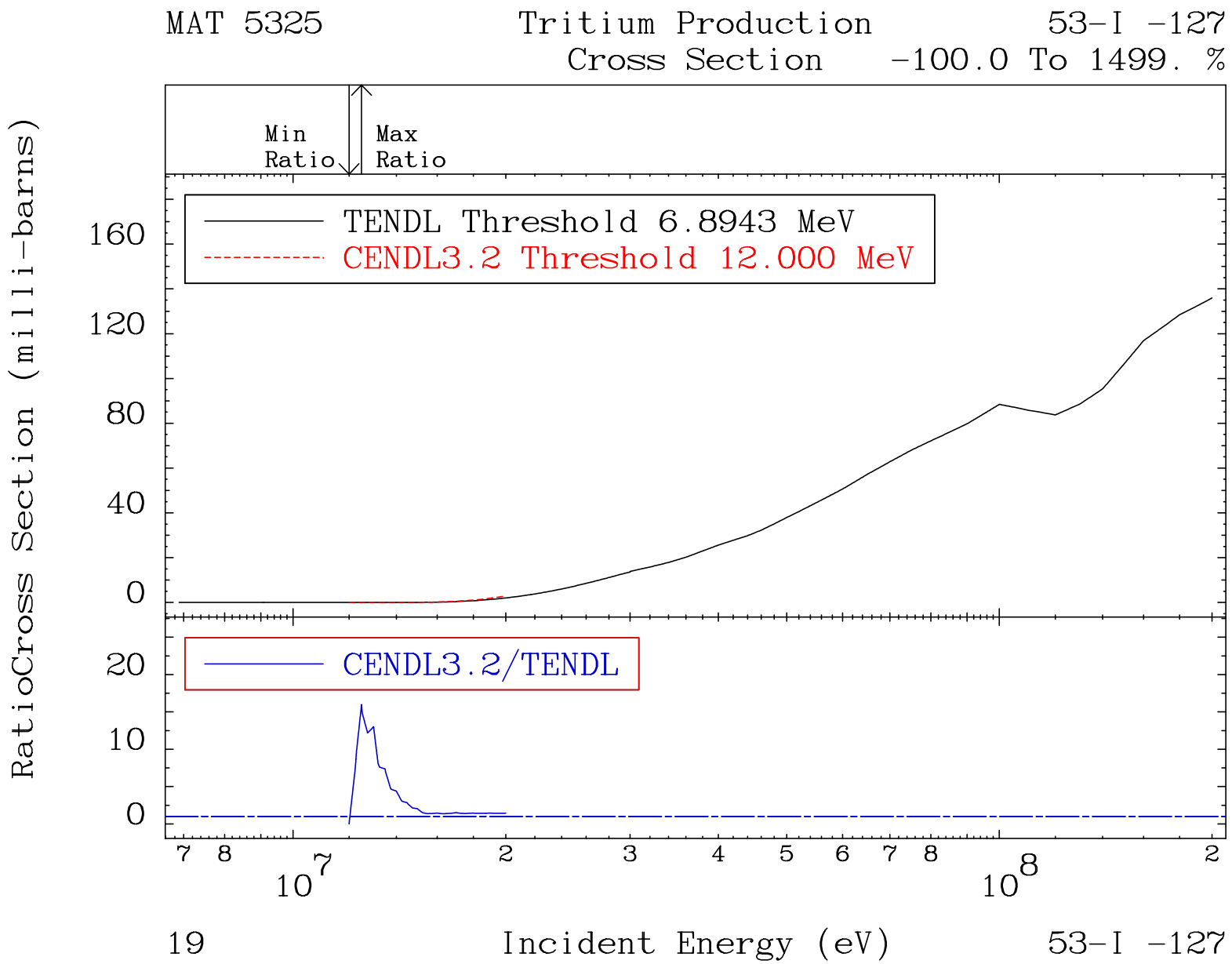

MAT 5325
(n,t)
Cross Section
53-I -127
-100.0 To 1499. %
Min Ratio
Max Ratio
TENDL Threshold 6.8943 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
53-I -127

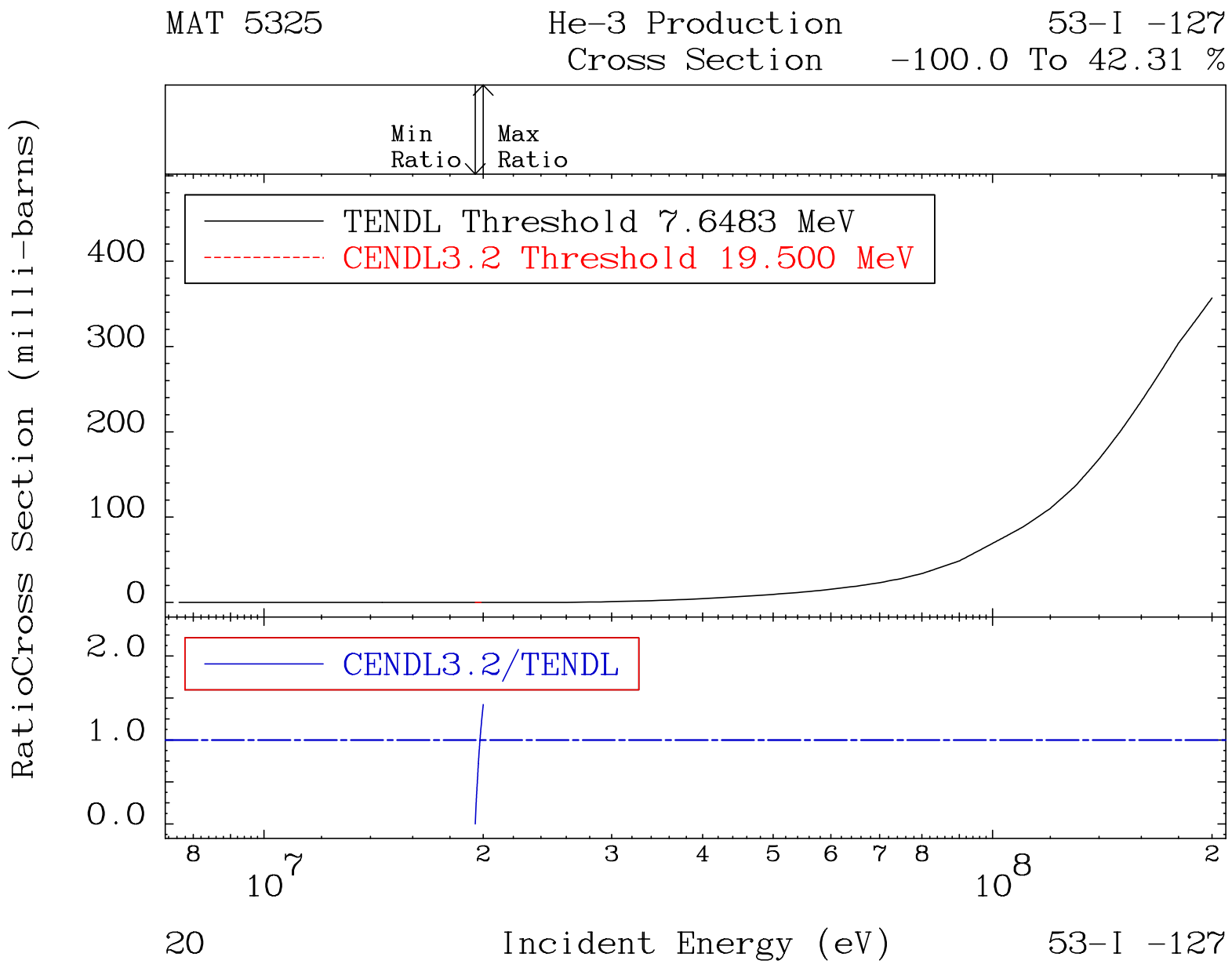

MAT 5325
(n,He-3)
53-I -127
Cross Section
-100.0 To 42.31 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
CENDL3.2 Threshold 19.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
53-I -127

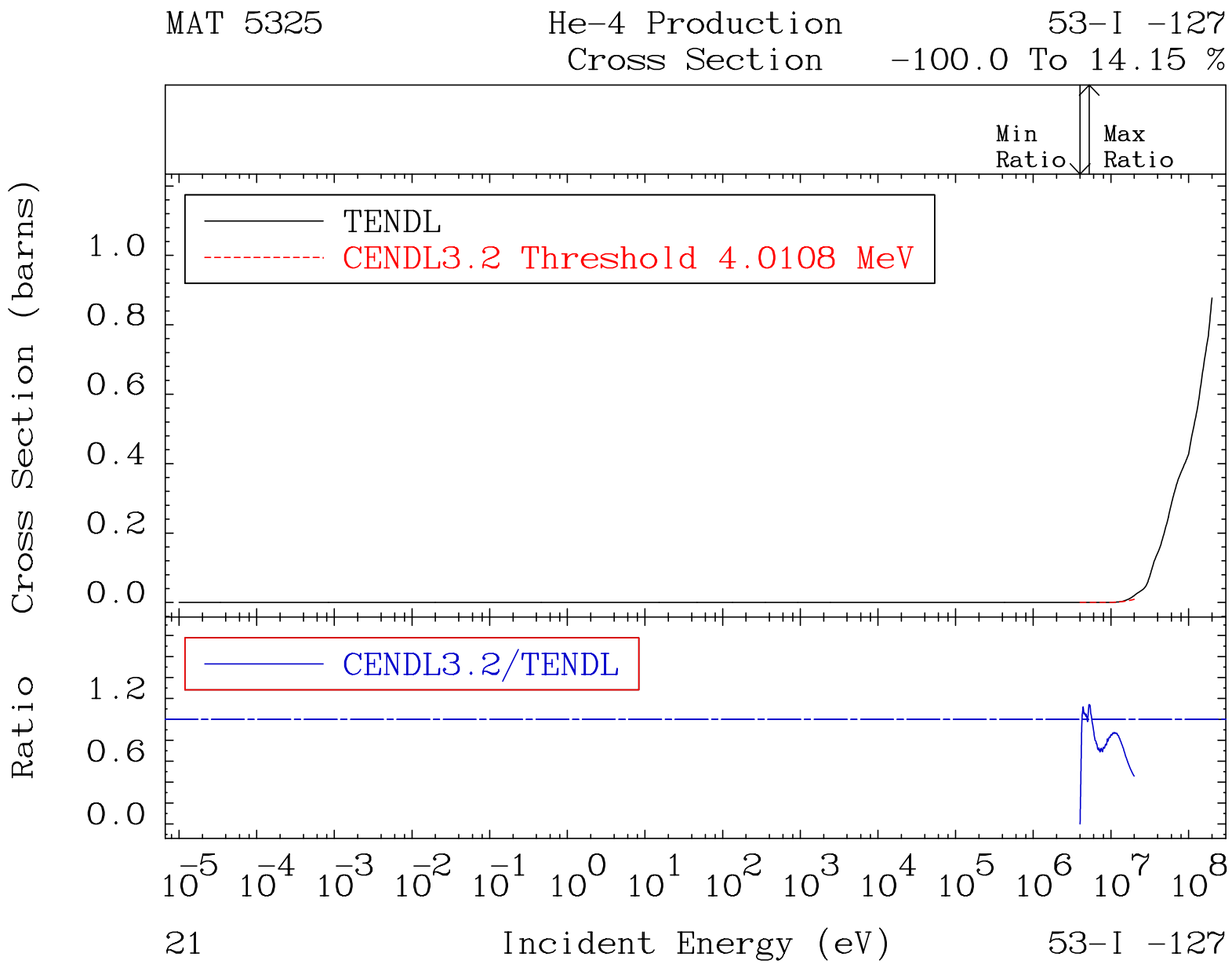

MAT 5325
(n,α)
Cross Section
53-I -127
-100.0 To 14.15 %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 4.0108 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
16
53-I -127

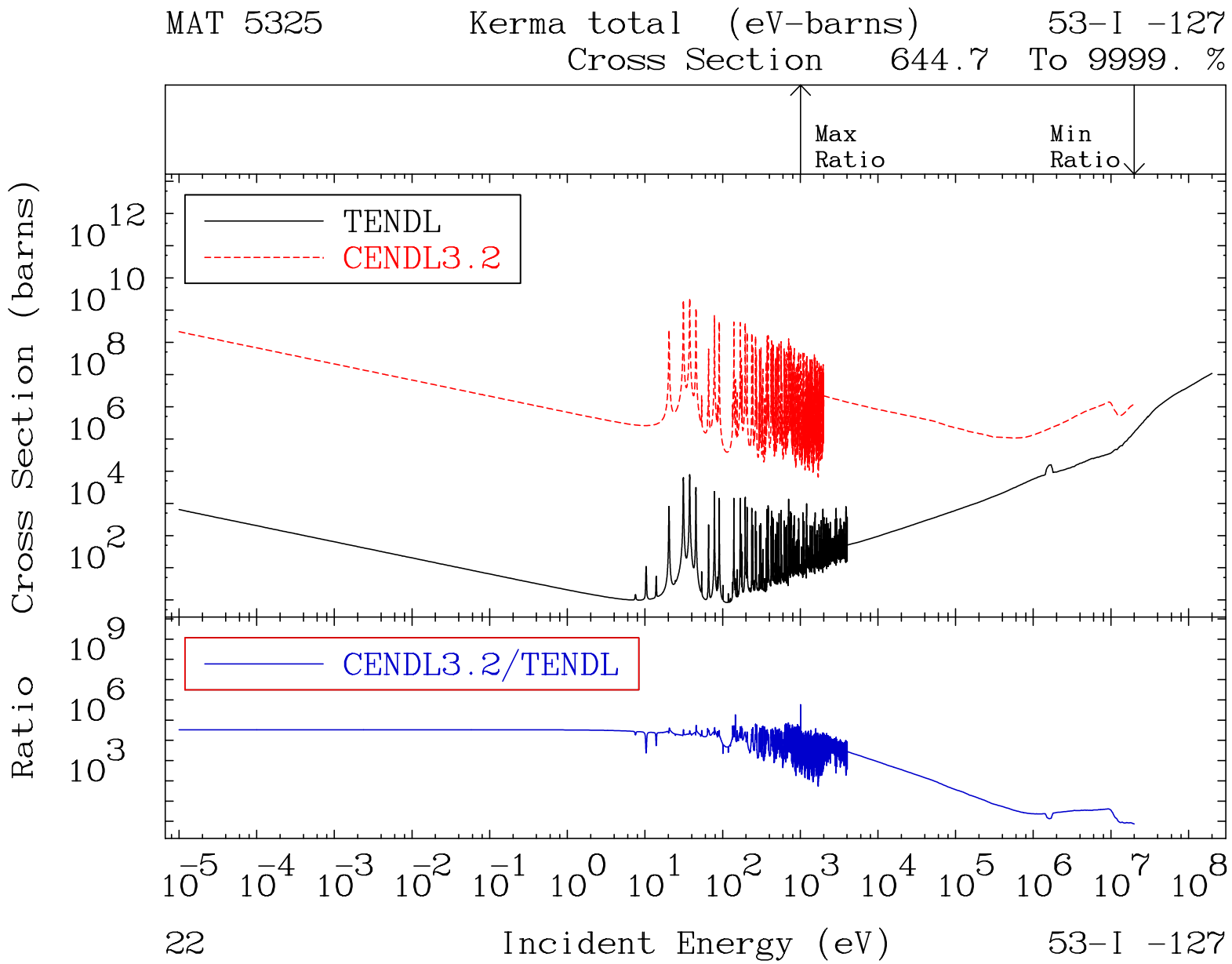

MAT 5325
Hydrogen Production
53-I -127
Cross Section
-100.0 To -12.82%
Min Ratio
Max Ratio
TENDL Threshold 4.0120 keV
CENDL3.2 Threshold 2.5000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.8
0.4
0.0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
17
Incident Energy (eV)
53-I -127

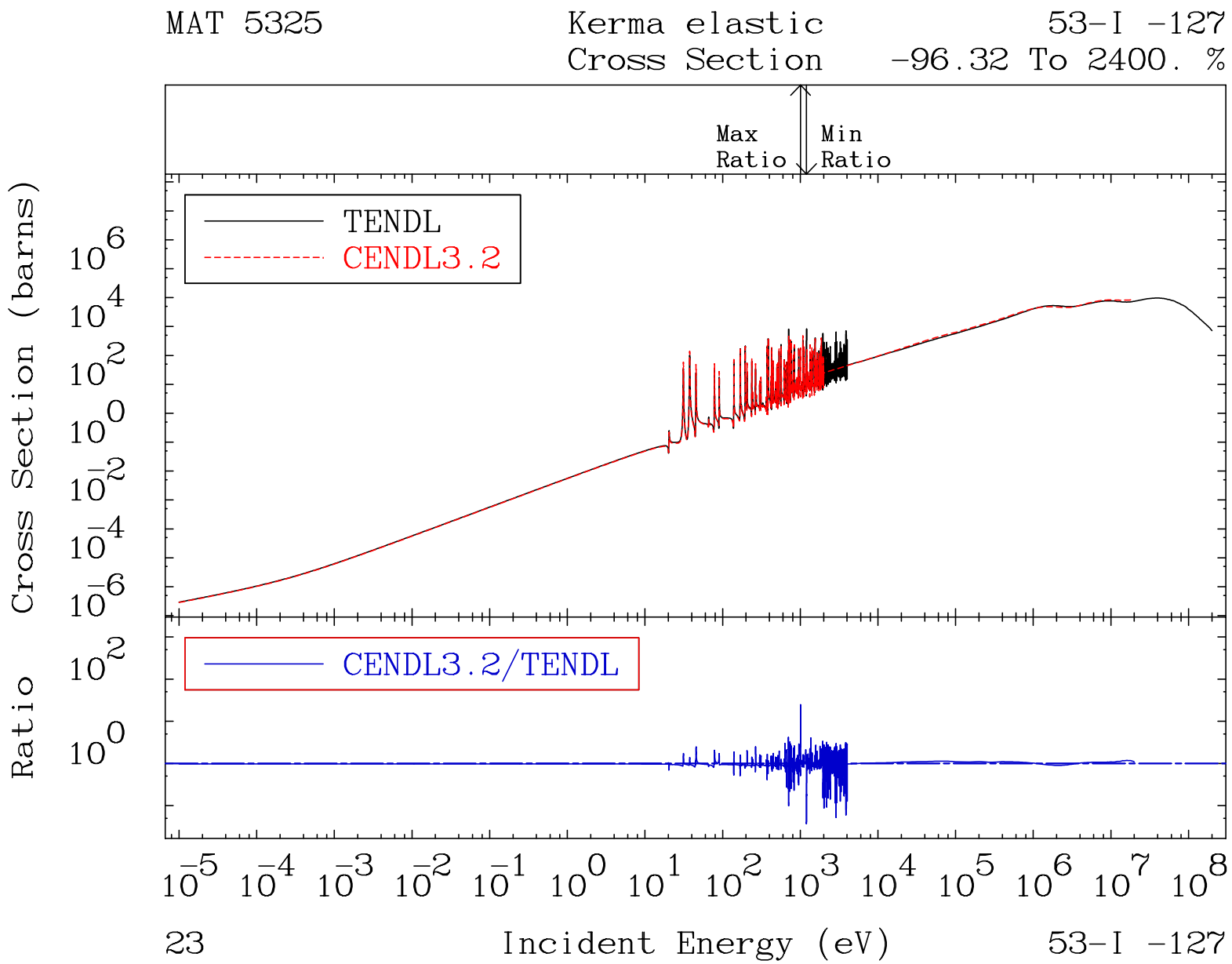

MAT 5325
Deuterium Production
53-I -127
Cross Section -100.0 To 140.1 %
Min Ratio
Max Ratio
TENDL Threshold 4.0151 MeV
CENDL3.2 Threshold 8.2500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
53-I -127

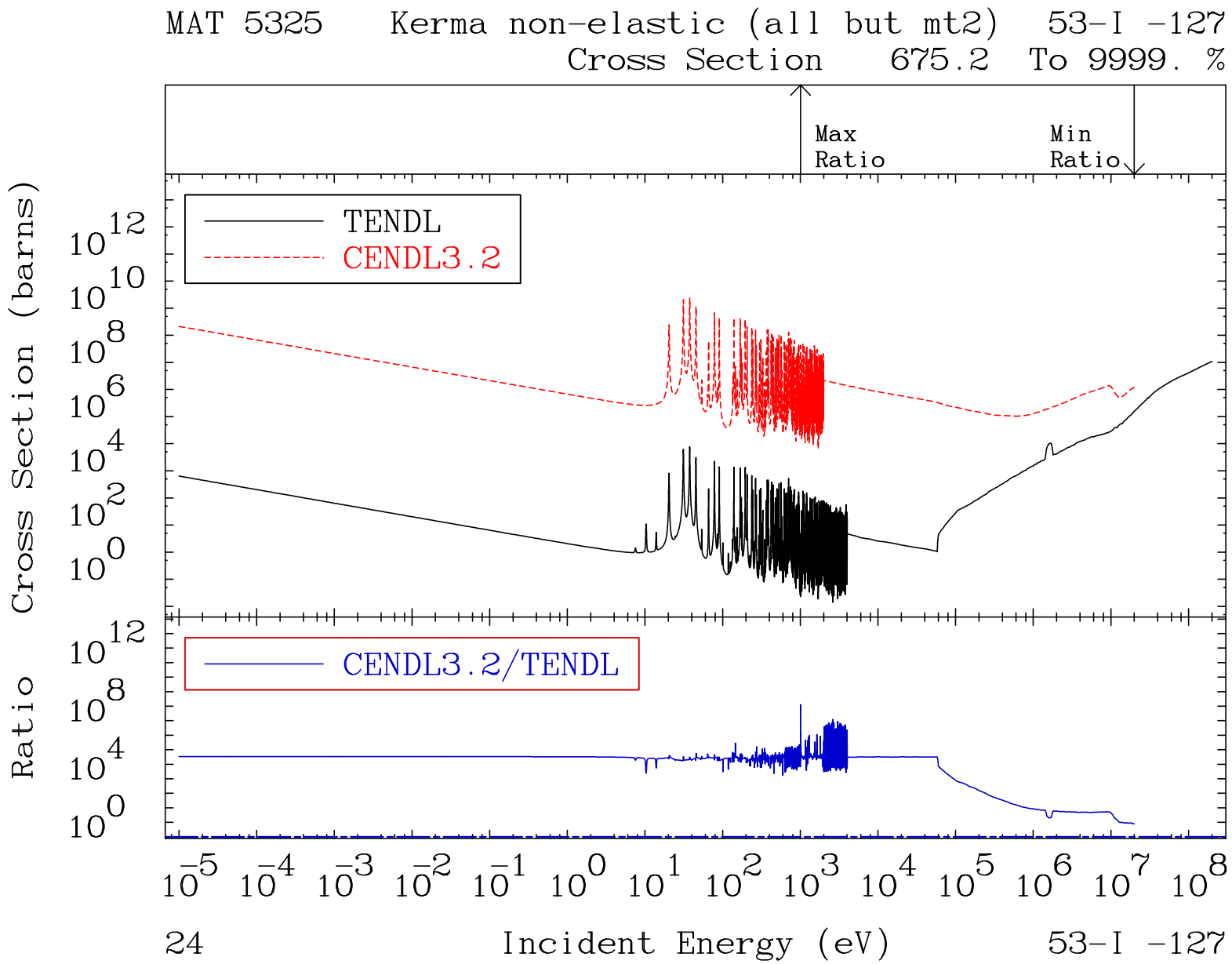

MAT 5325
Tritium Production
53-I -127
Cross Section
-100.0 To 1499. %
Min Ratio
Max Ratio
TENDL Threshold 6.8943 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
20
10
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
53-I -127

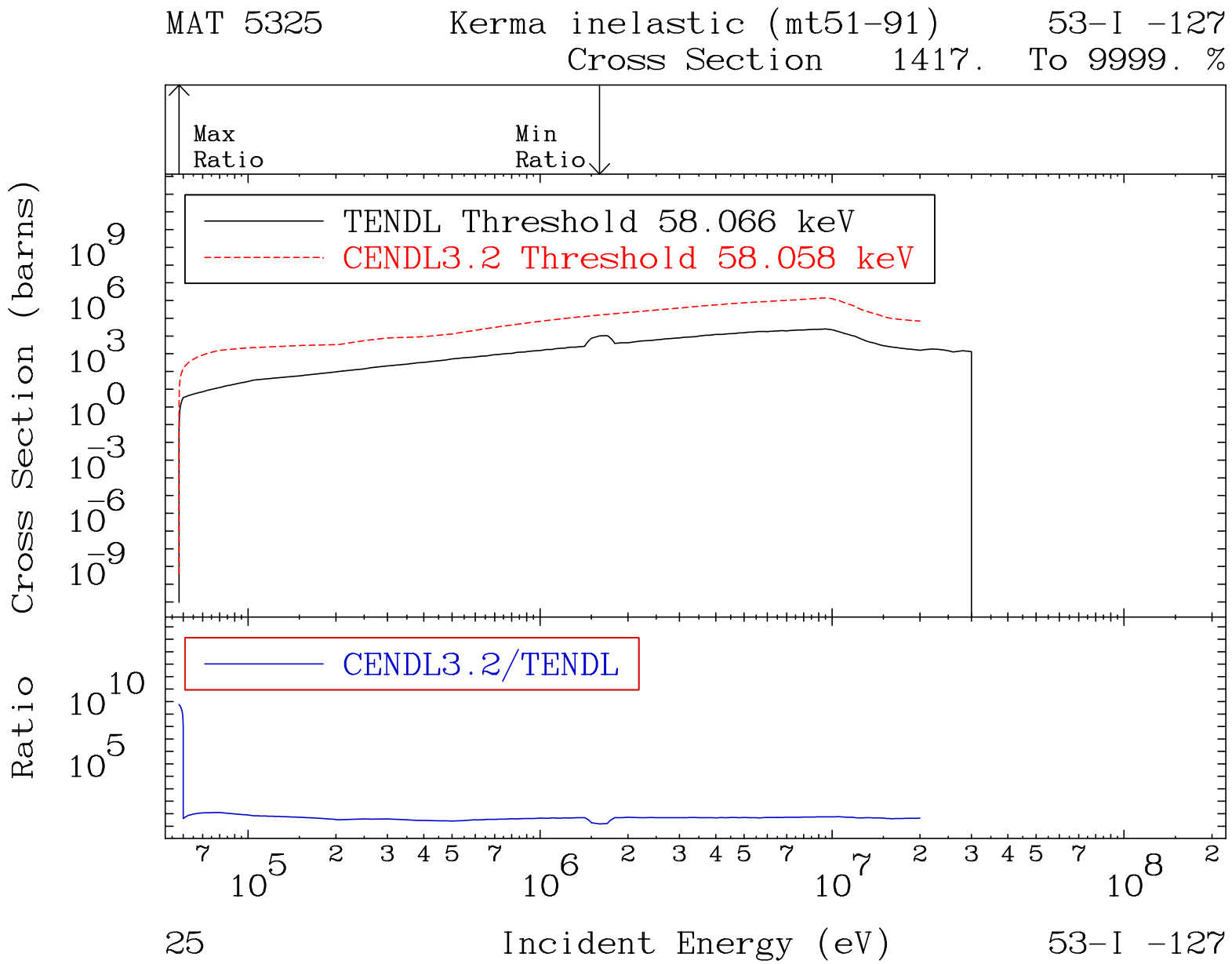

MAT 5325
He-3 Production
Cross Section
53-I -127
-100.0 To 42.31 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
CENDL3.2 Threshold 19.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
53-I -127

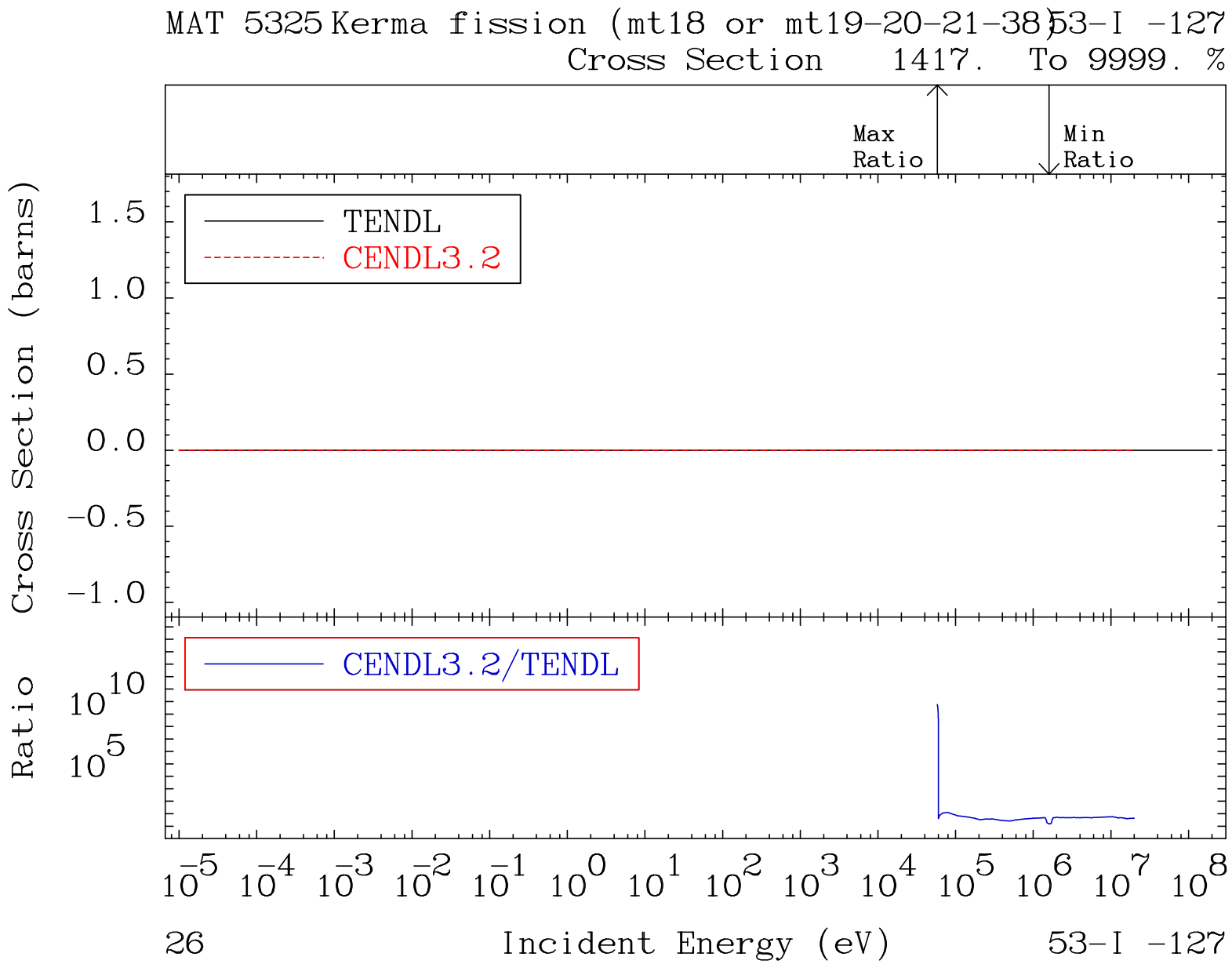

MAT 5325
He-4 Production
Cross Section
53-I -127
-100.0 To 14.15 %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 4.0108 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
21
Incident Energy (eV)
53-I -127

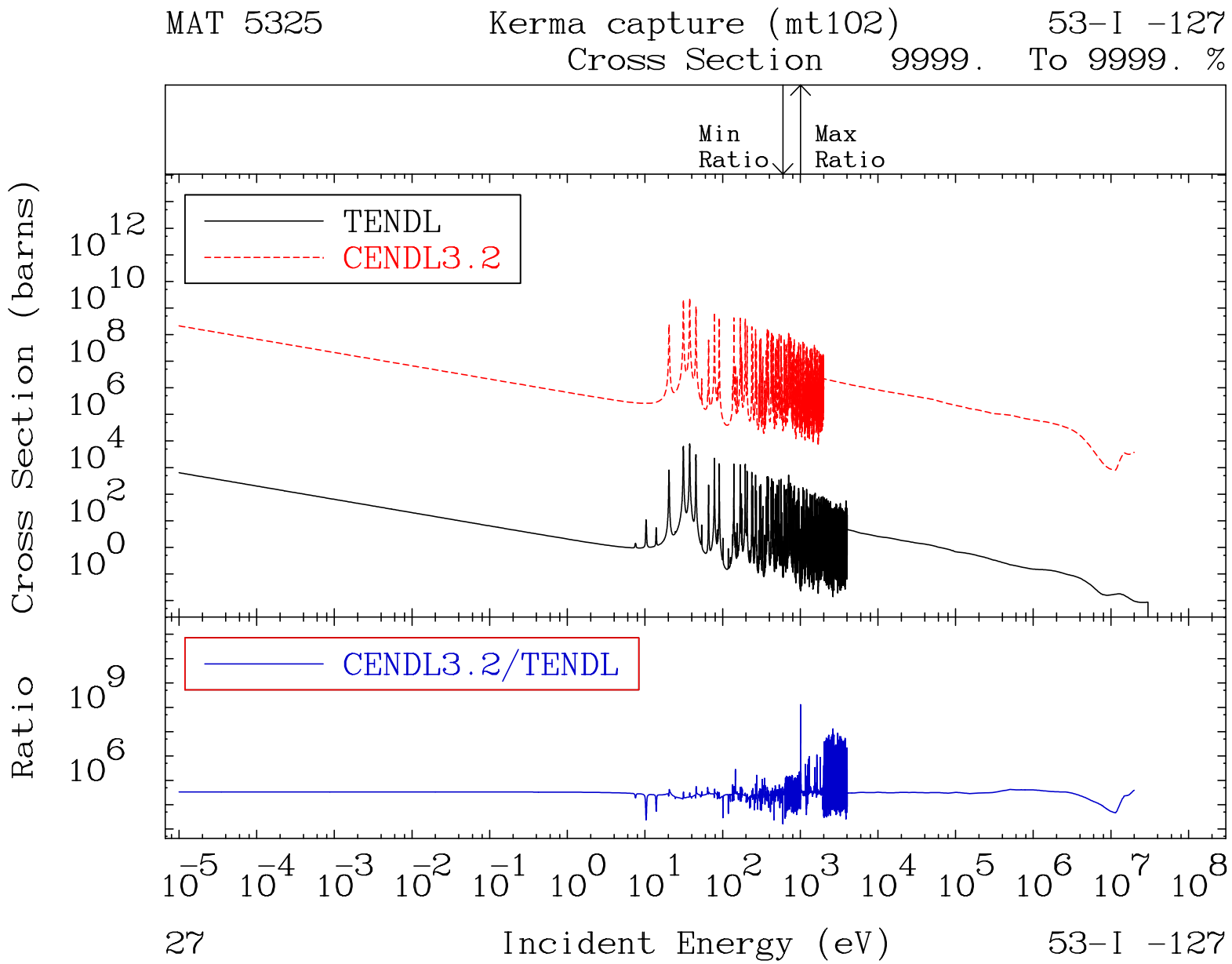

MAT 5325
Kerma total (eV-barns)
53-I -127
Cross Section 644.7 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
22
53-I -127

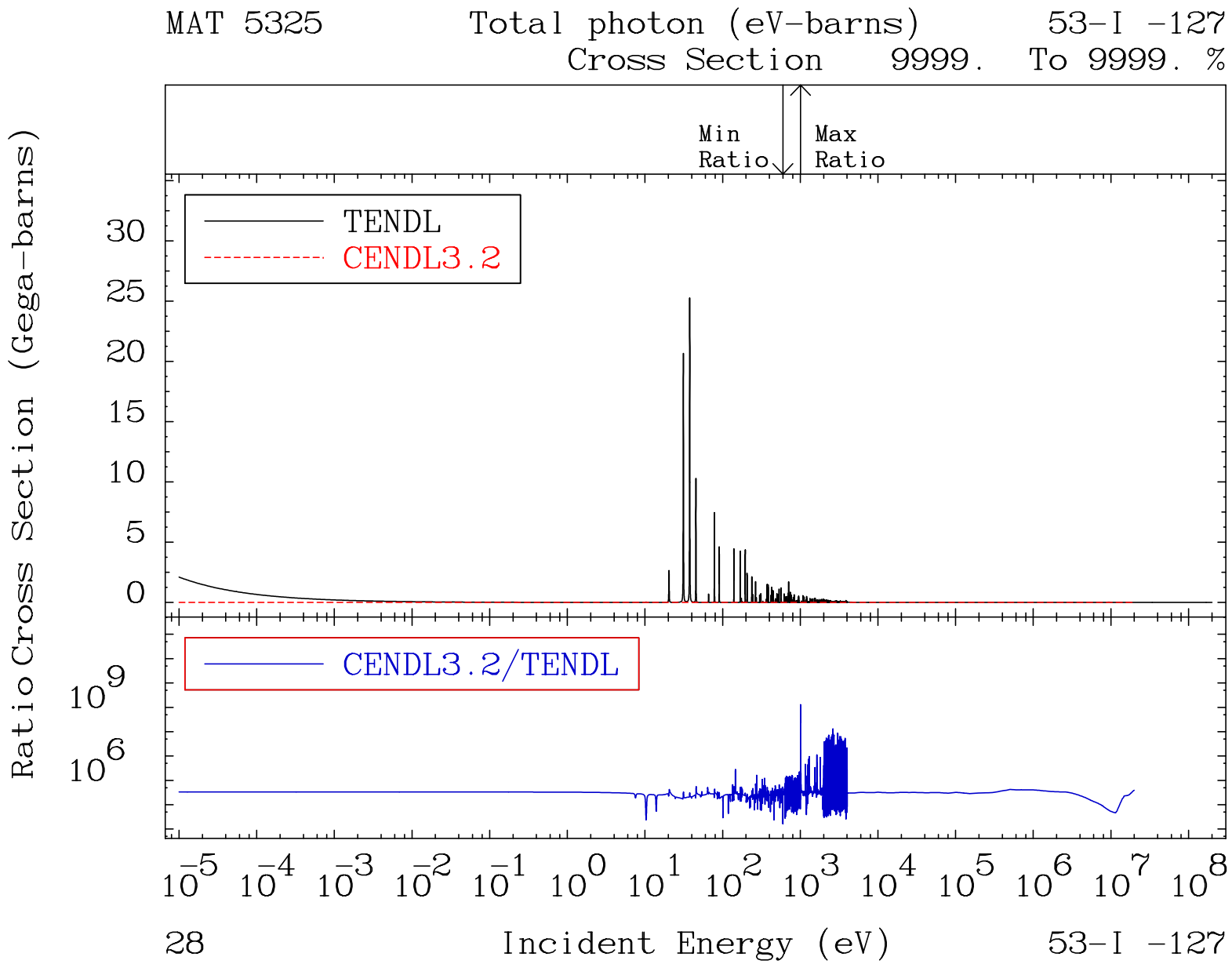

MAT 5325
Kerma elastic
Cross Section
53-I -127
-96.32 To 2400. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
53-I -127

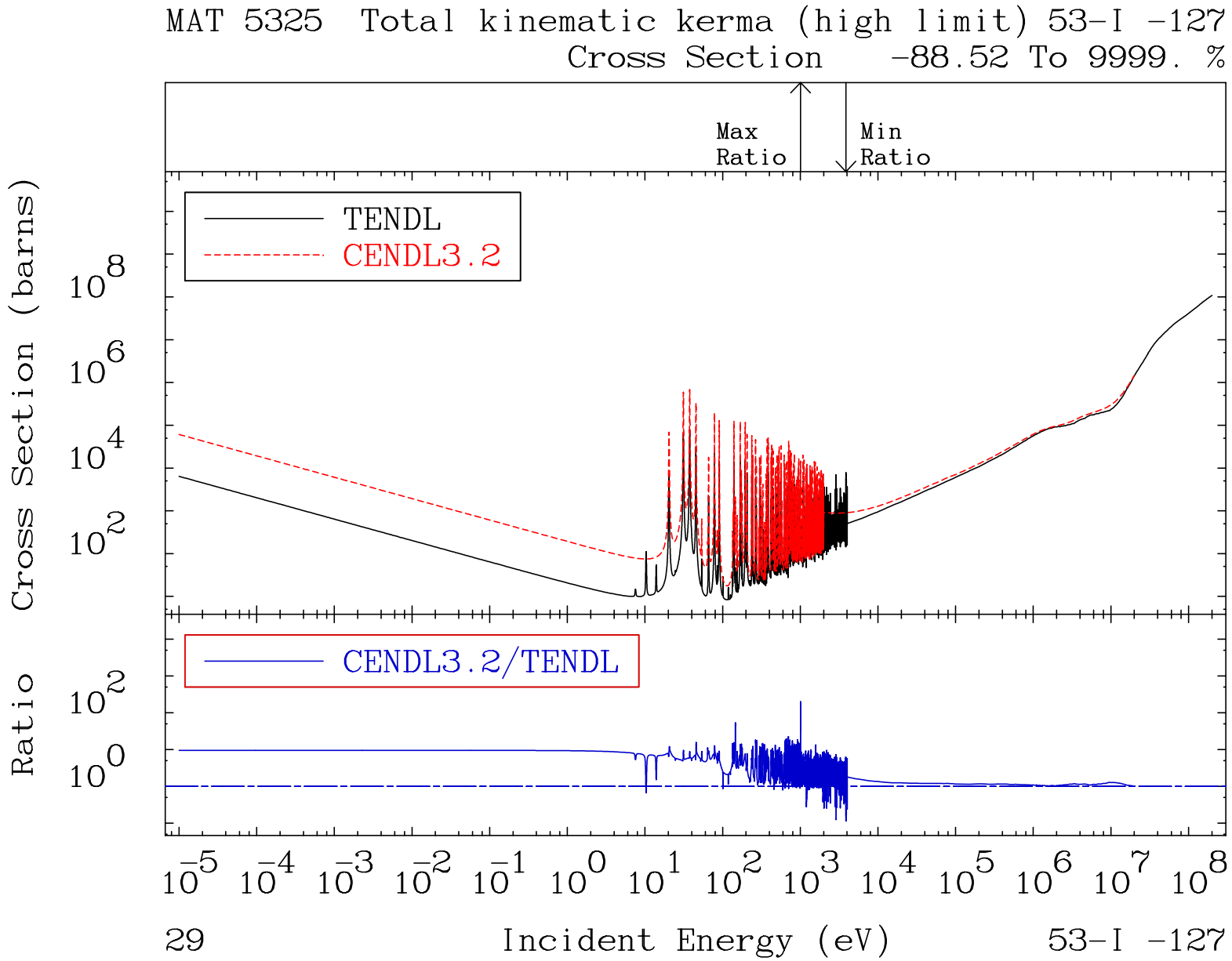

MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
Cross Section 675.2 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
53-I -127

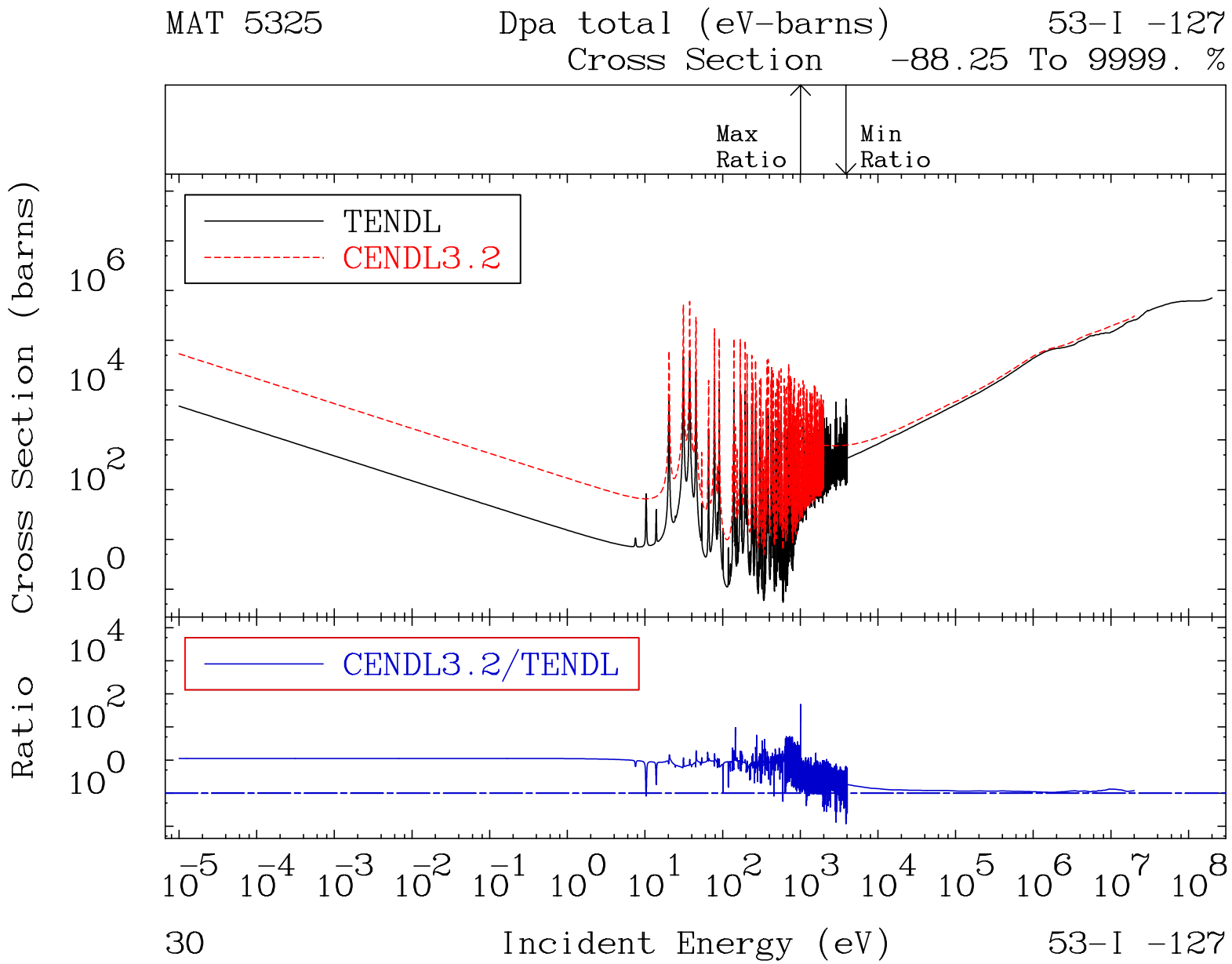

MAT 5325
Kerma inelastic (mt51-91)
53-I -127
Cross Section 1417. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 58.066 keV
CENDL3.2 Threshold 58.058 keV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
25
53-I -127

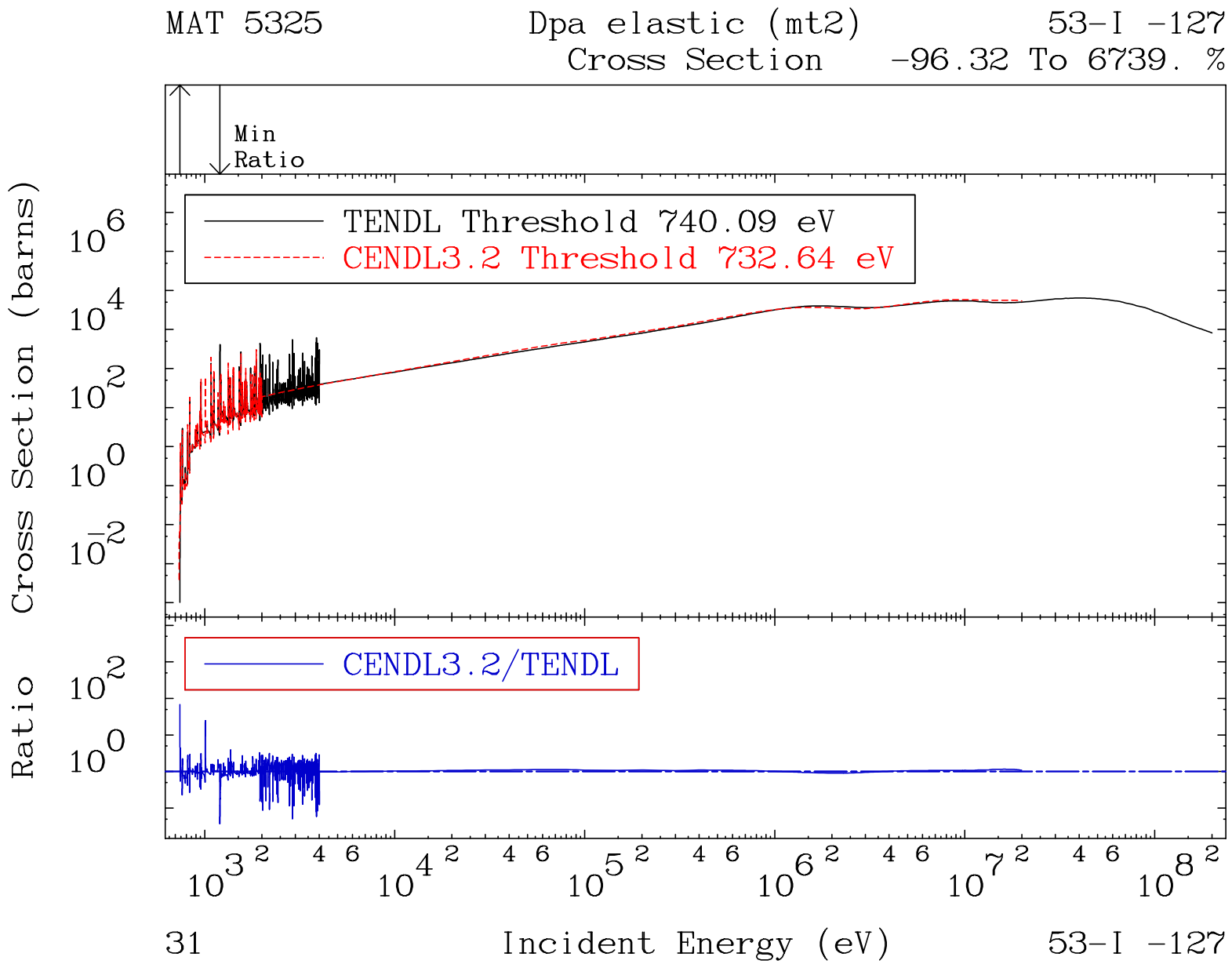

MAT 5325 Kerma fission (mt18 or mt19-20-21-38) 53-I -127
Cross Section 1417. To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{10}
10^{5}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
26
Incident Energy (eV)
53-I -127

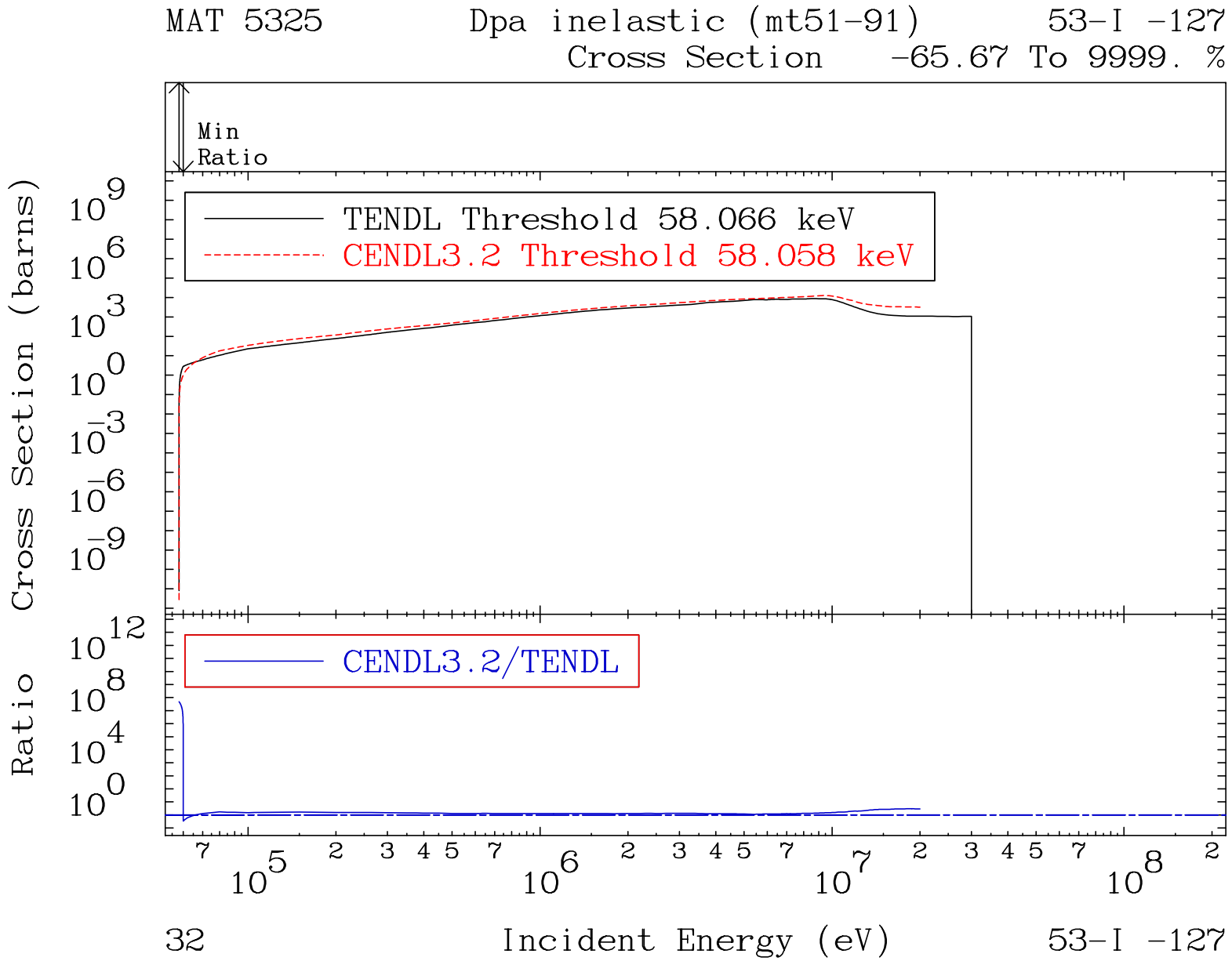

MAT 5325
Kerma capture (mt102)
53-I -127
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
27
53-I -127

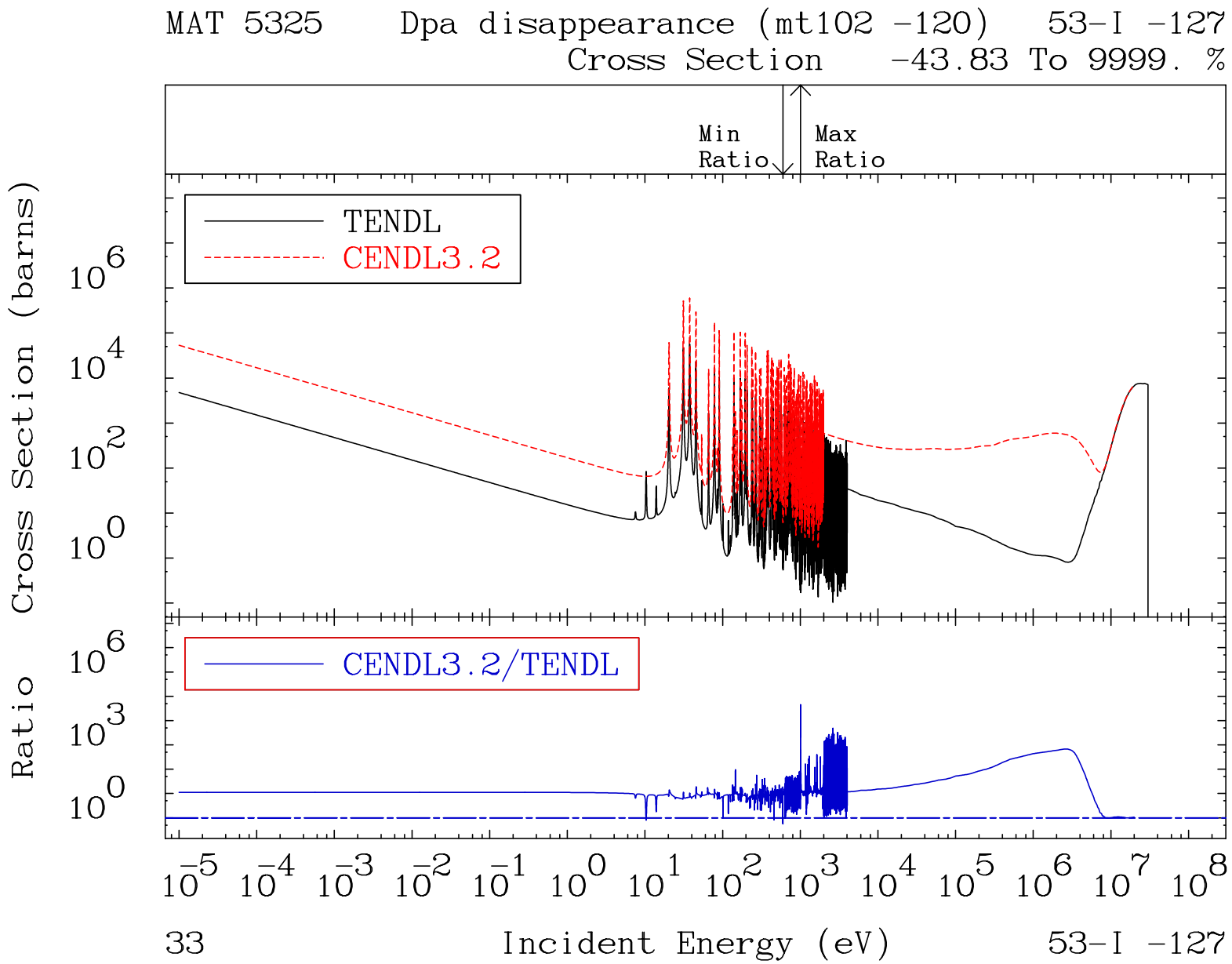

MAT 5325
Total photon (eV-barns)
53-I -127
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Ratio Cross Section (Gega-barns)
30
25
20
15
10
5
0
10^9
10^6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
53-I -127

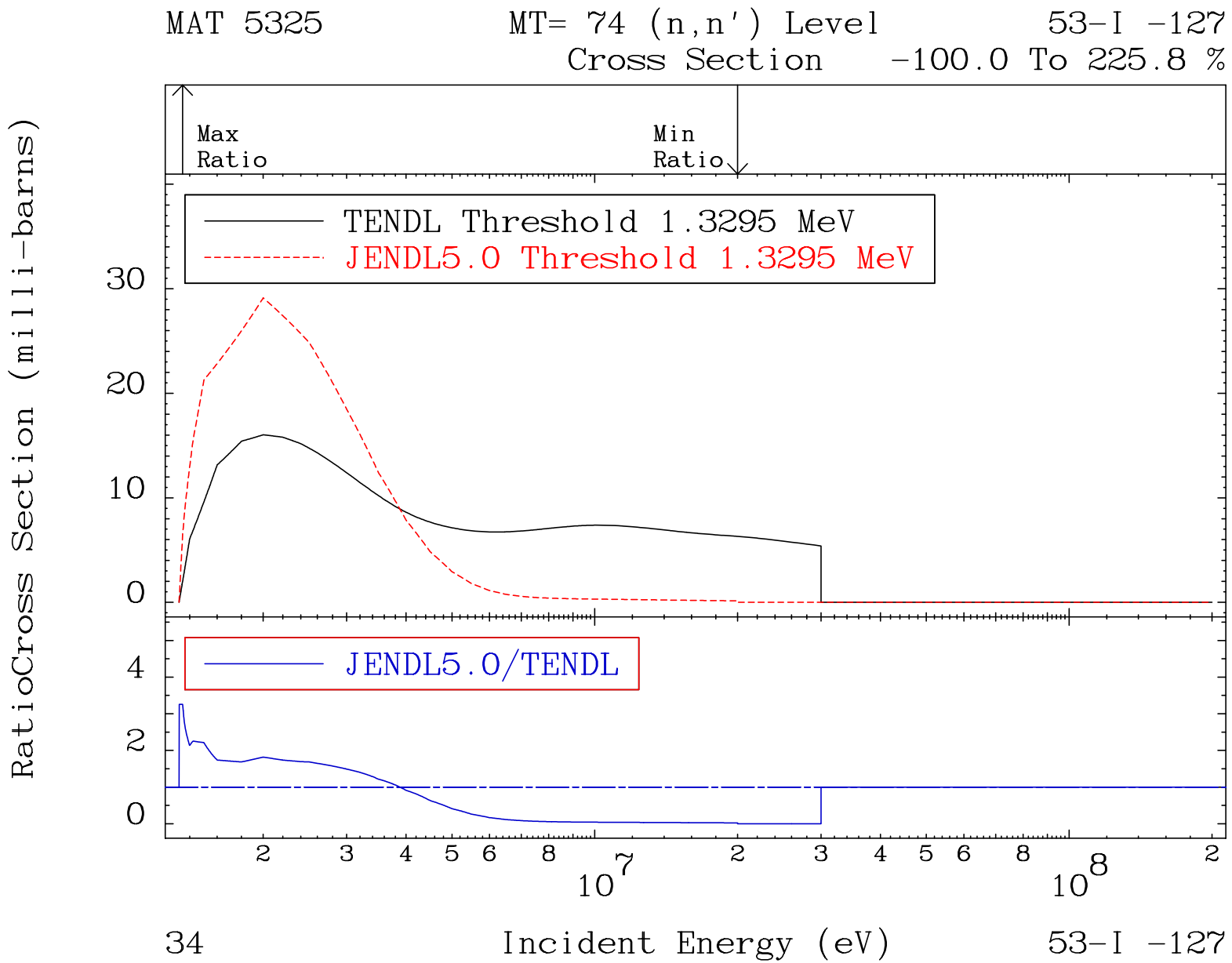

MAT 5325 Total kinematic kerma (high limit) 53-I -127
Cross Section -88.52 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
10^8
10^6
10^4
10^2
CENDL3.2/TENDL
Ratio
10^2
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
53-I -127

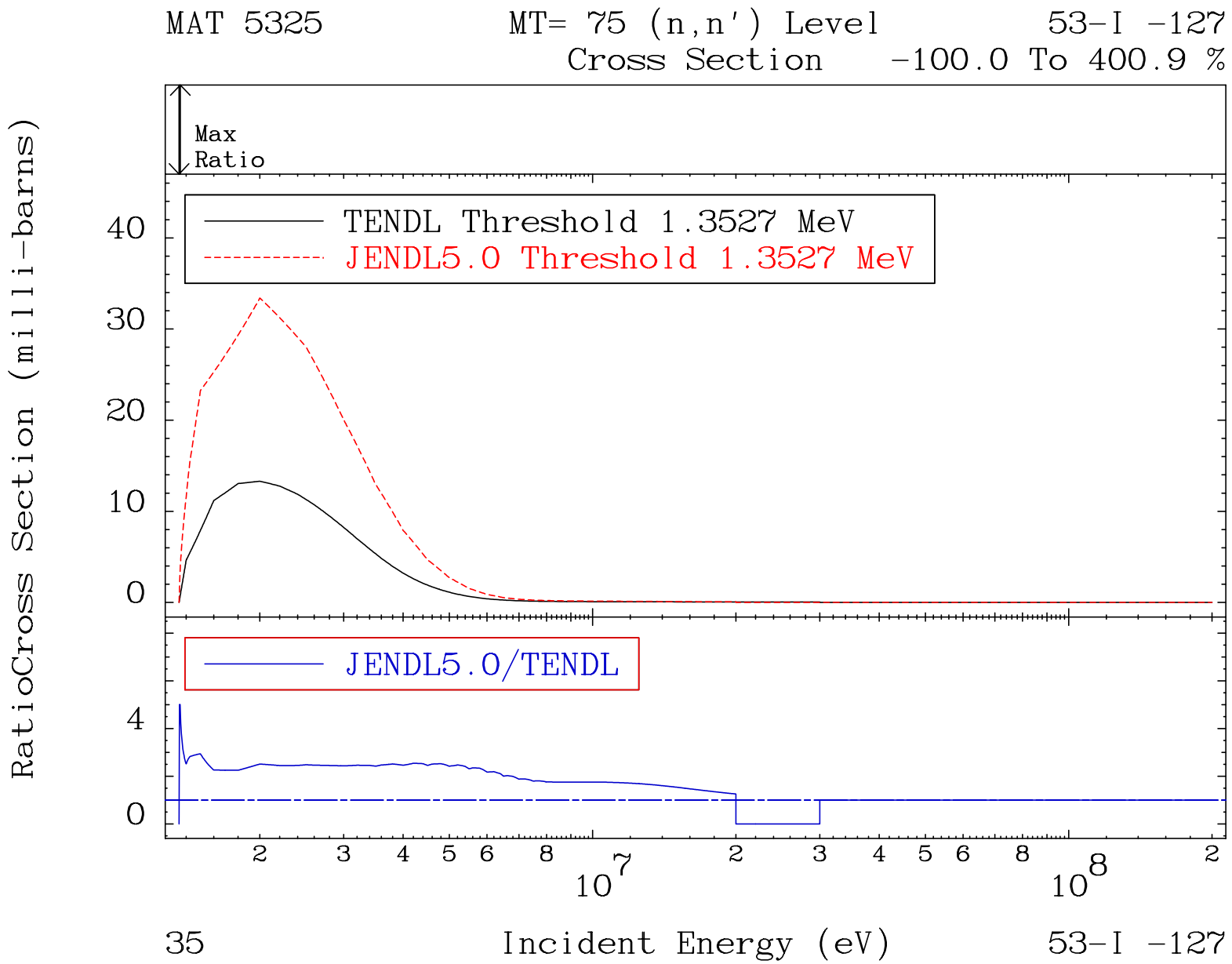

MAT 5325
Dpa total (eV-barns)
53-I -127
Cross Section -88.25 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
53-I -127

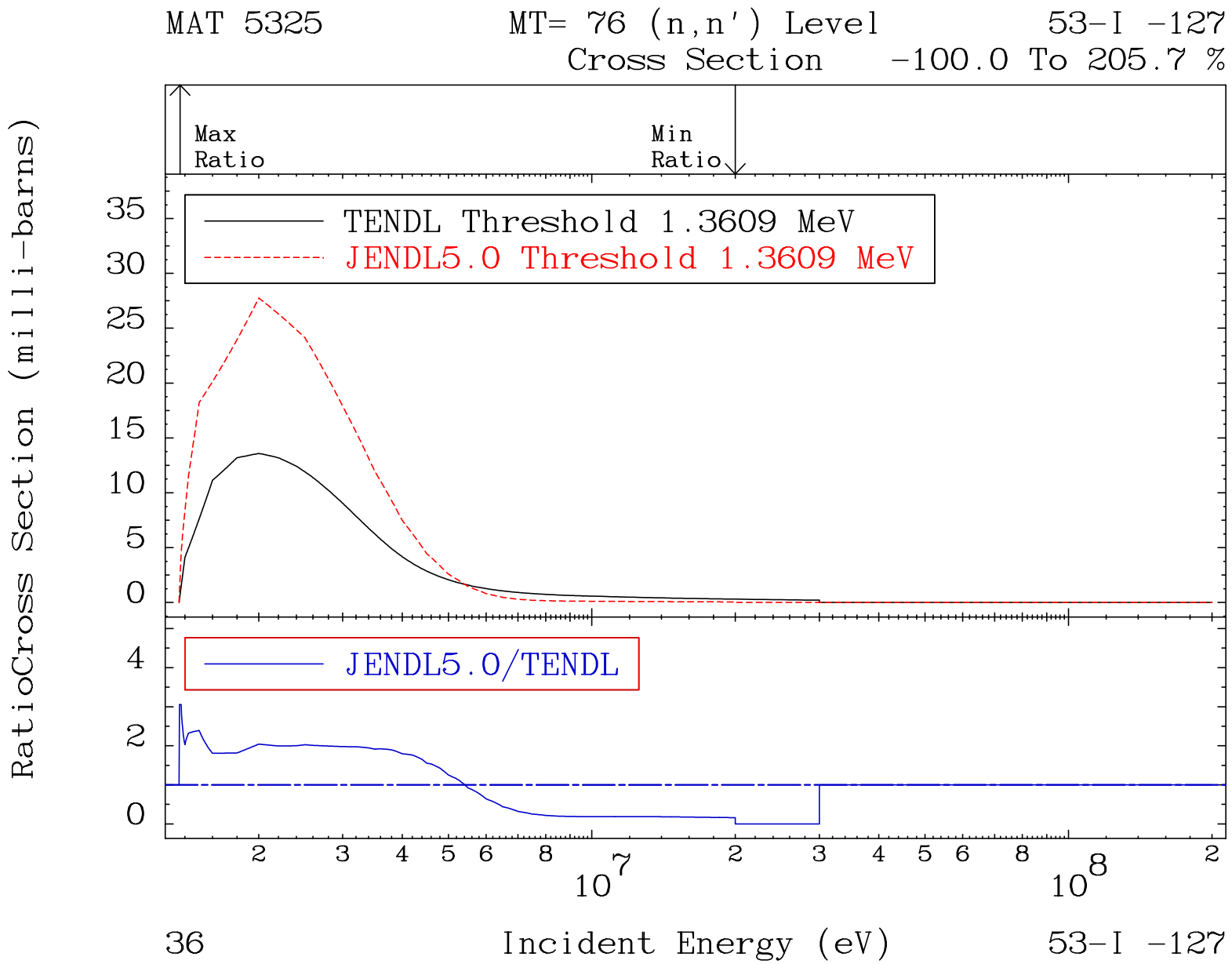

MAT 5325
Dpa elastic (mt2)
Cross Section
53-I -127
-96.32 To 6739. %
Min
Ratio
TENDL Threshold 740.09 eV
CENDL3.2 Threshold 732.64 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
53-I -127

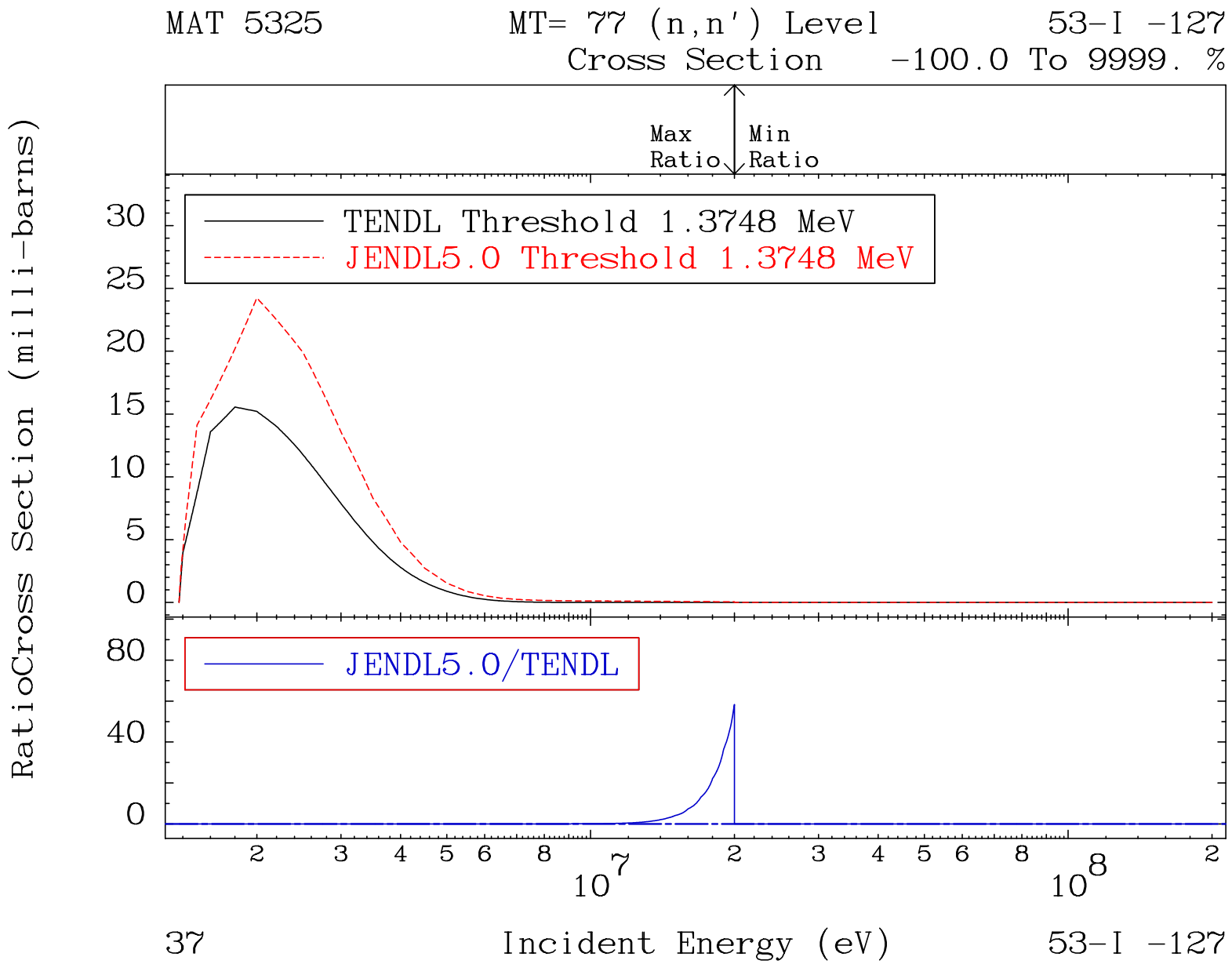

MAT 5325
Dpa inelastic (mt51-91)
53-I -127
Cross Section -65.67 To 9999. %
Min
Ratio
TENDL Threshold 58.066 keV
CENDL3.2 Threshold 58.058 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
53-I -127

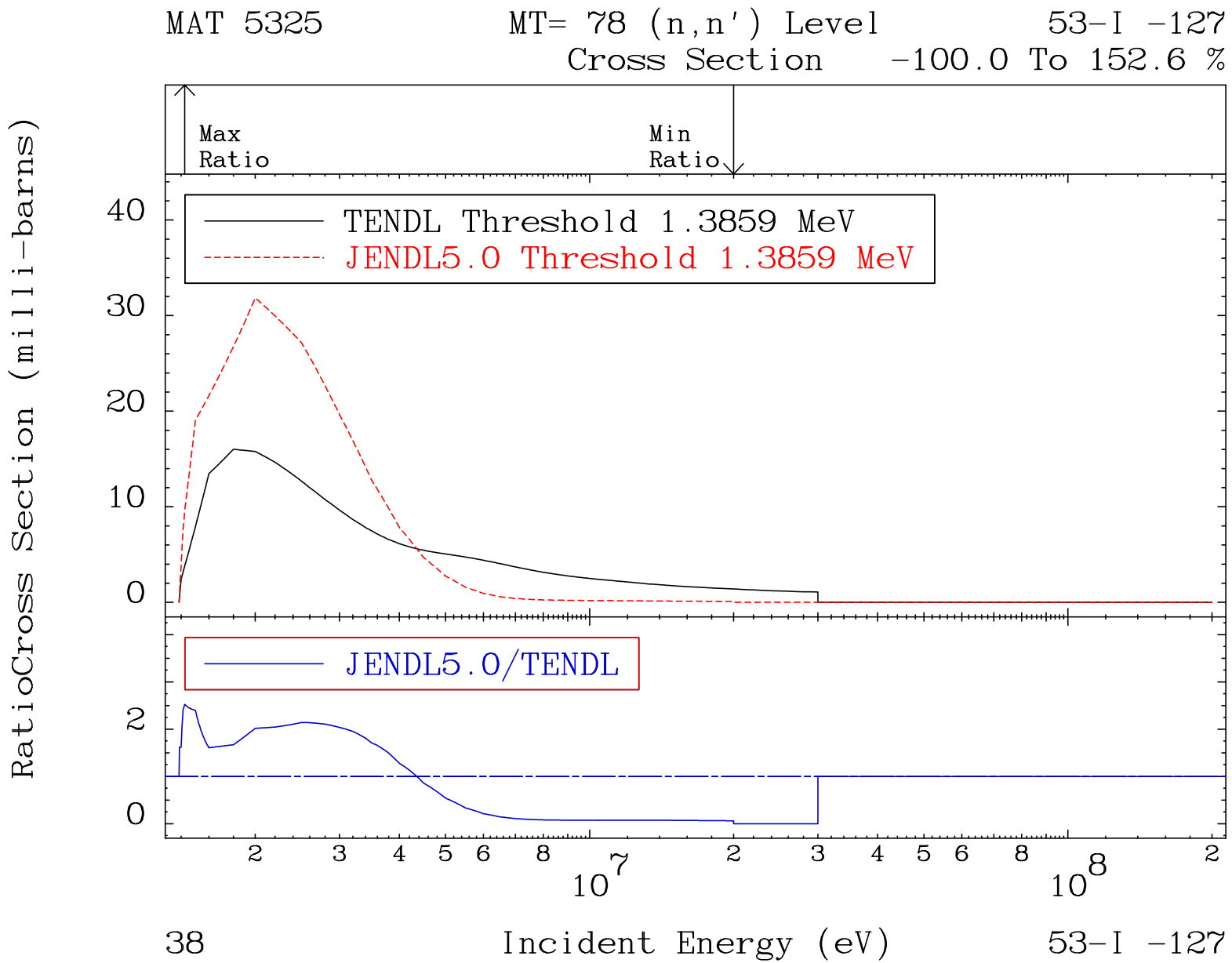

MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
Cross Section -43.83 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
53-I -127

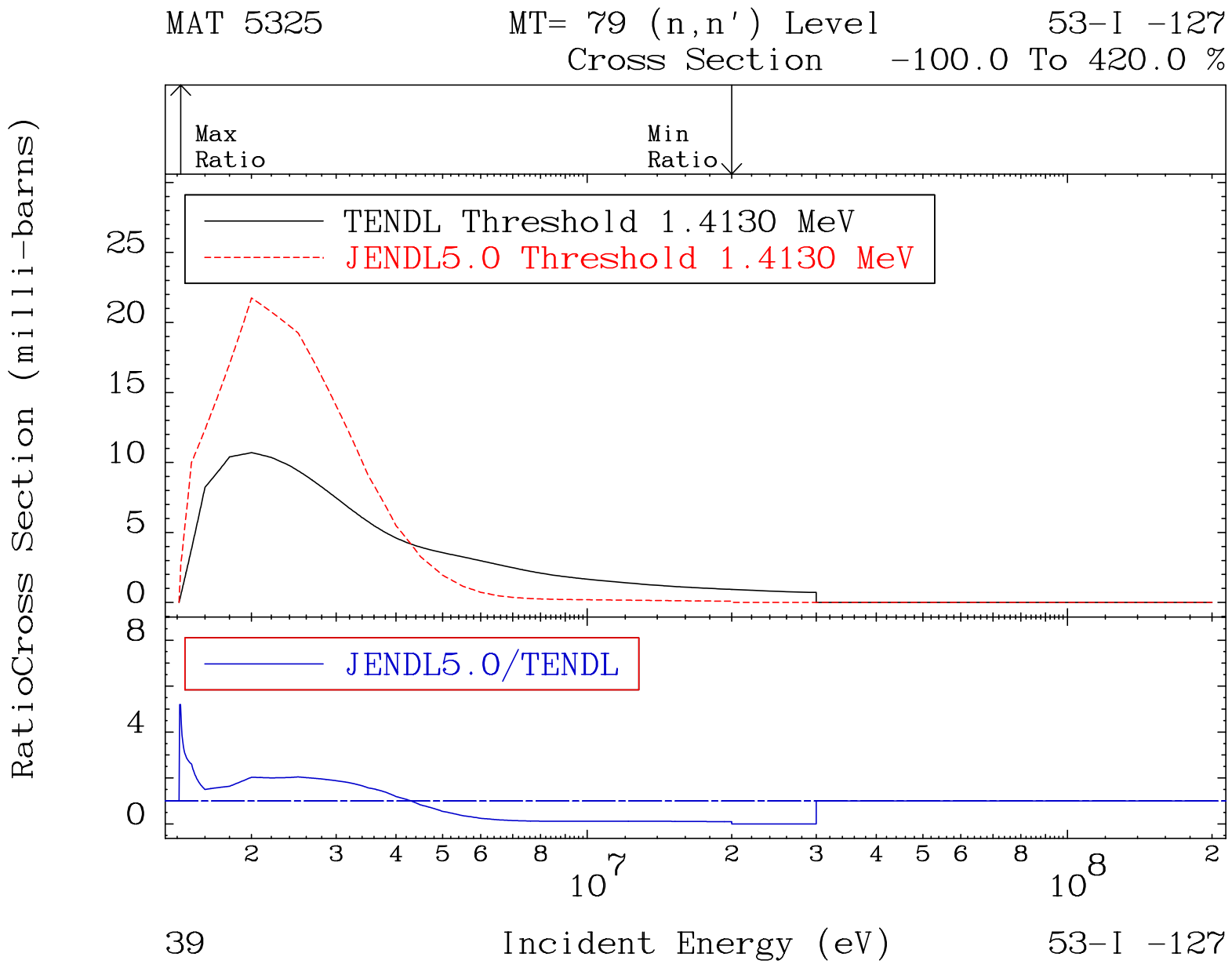

MAT 5325
MT= 74 (n,n') Level
53-I -127
Cross Section
-100.0 To 225.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.3295 MeV
JENDL5.0 Threshold 1.3295 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
53-I -127

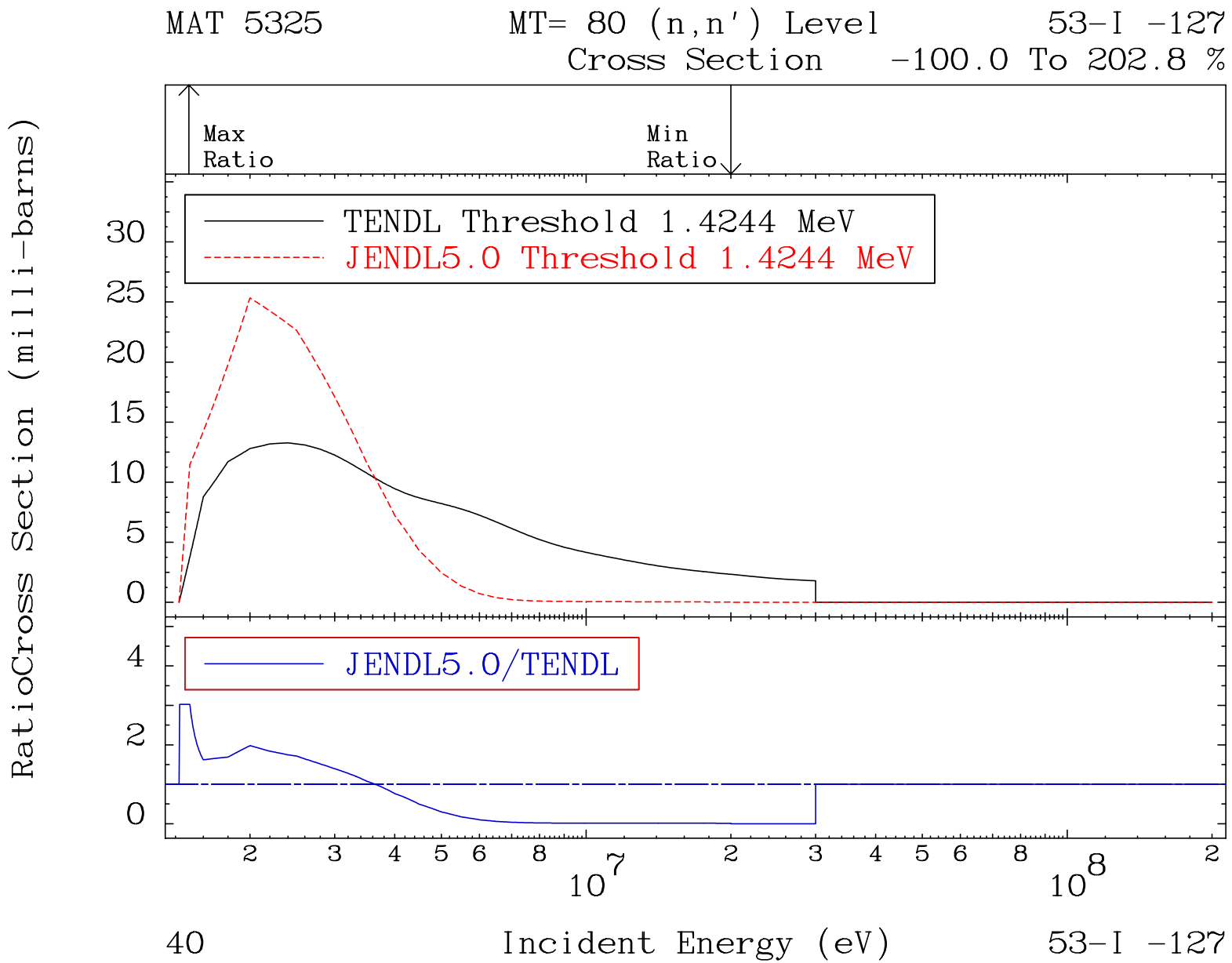

MAT 5325
MT= 75 (n,n') Level
53-I -127
Cross Section
-100.0 To 400.9 %
Max
Ratio
TENDL Threshold 1.3527 MeV
JENDL5.0 Threshold 1.3527 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
35
Incident Energy (eV)
53-I -127

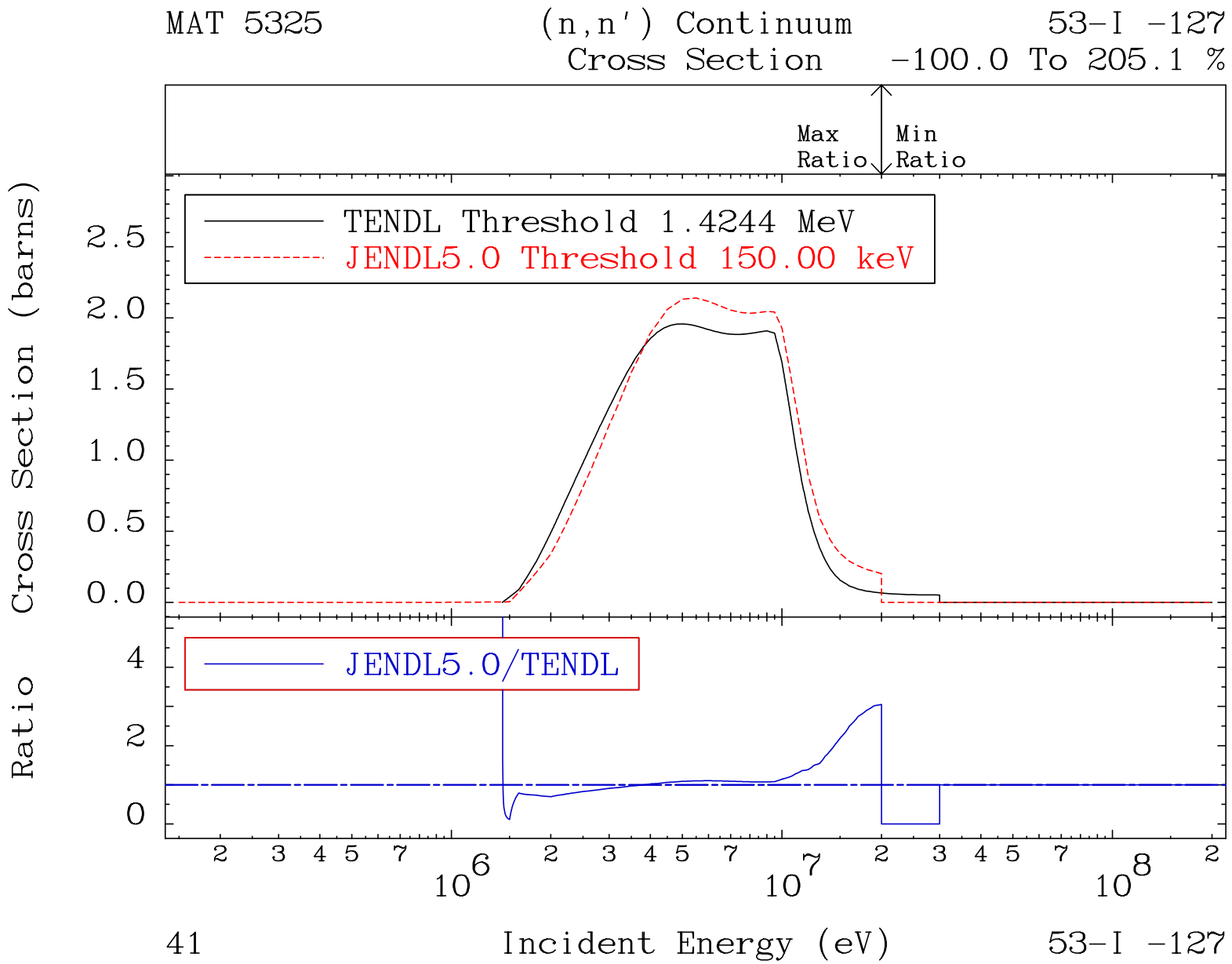

MAT 5325
MT= 76 (n,n') Level
53-I -127
Cross Section
-100.0 To 205.7 %
Max Ratio
Min Ratio
TENDL Threshold 1.3609 MeV
JENDL5.0 Threshold 1.3609 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
53-I -127

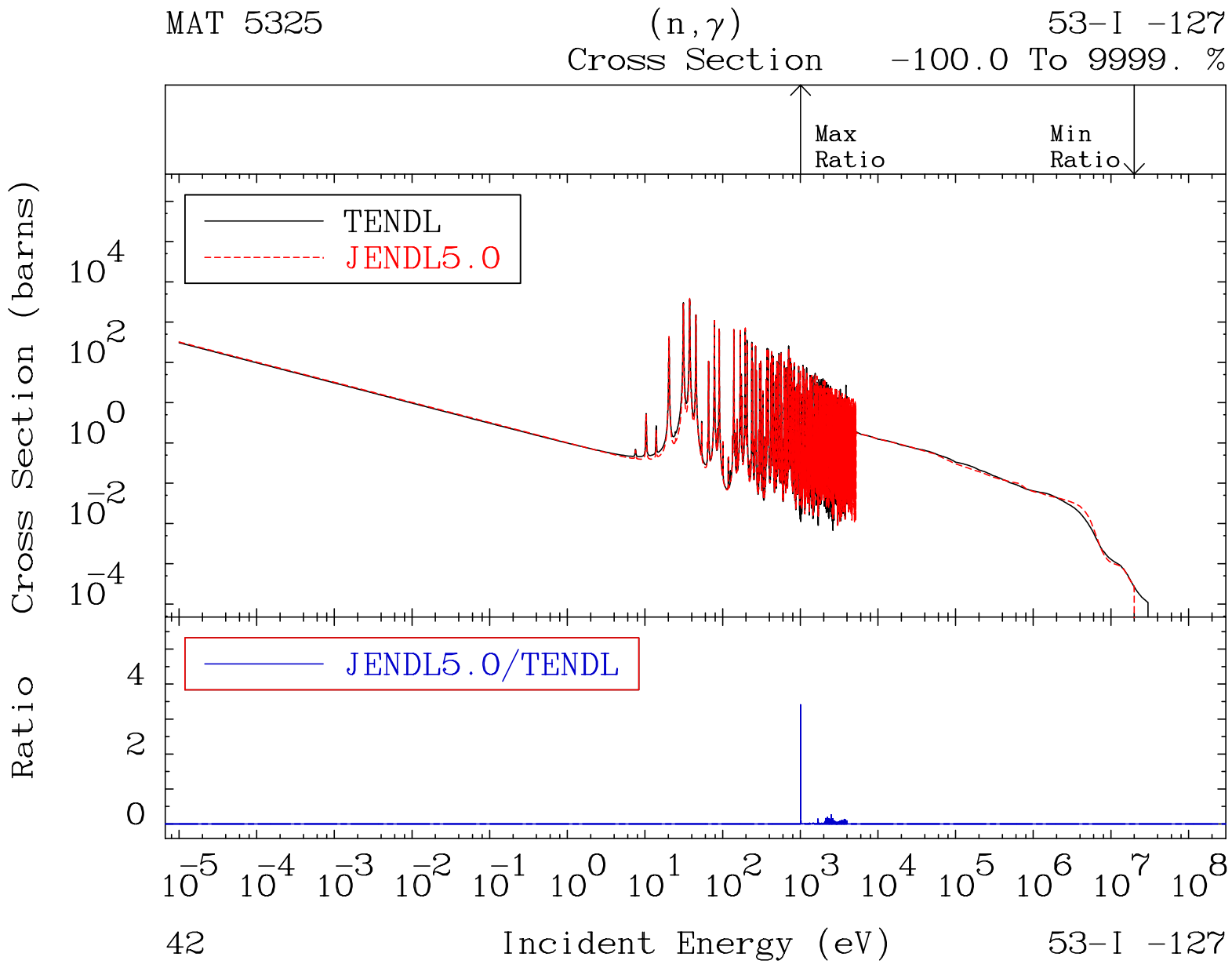

MAT 5325
MT= 77 (n,n') Level
53-I -127
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3748 MeV
JENDL5.0 Threshold 1.3748 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
53-I -127

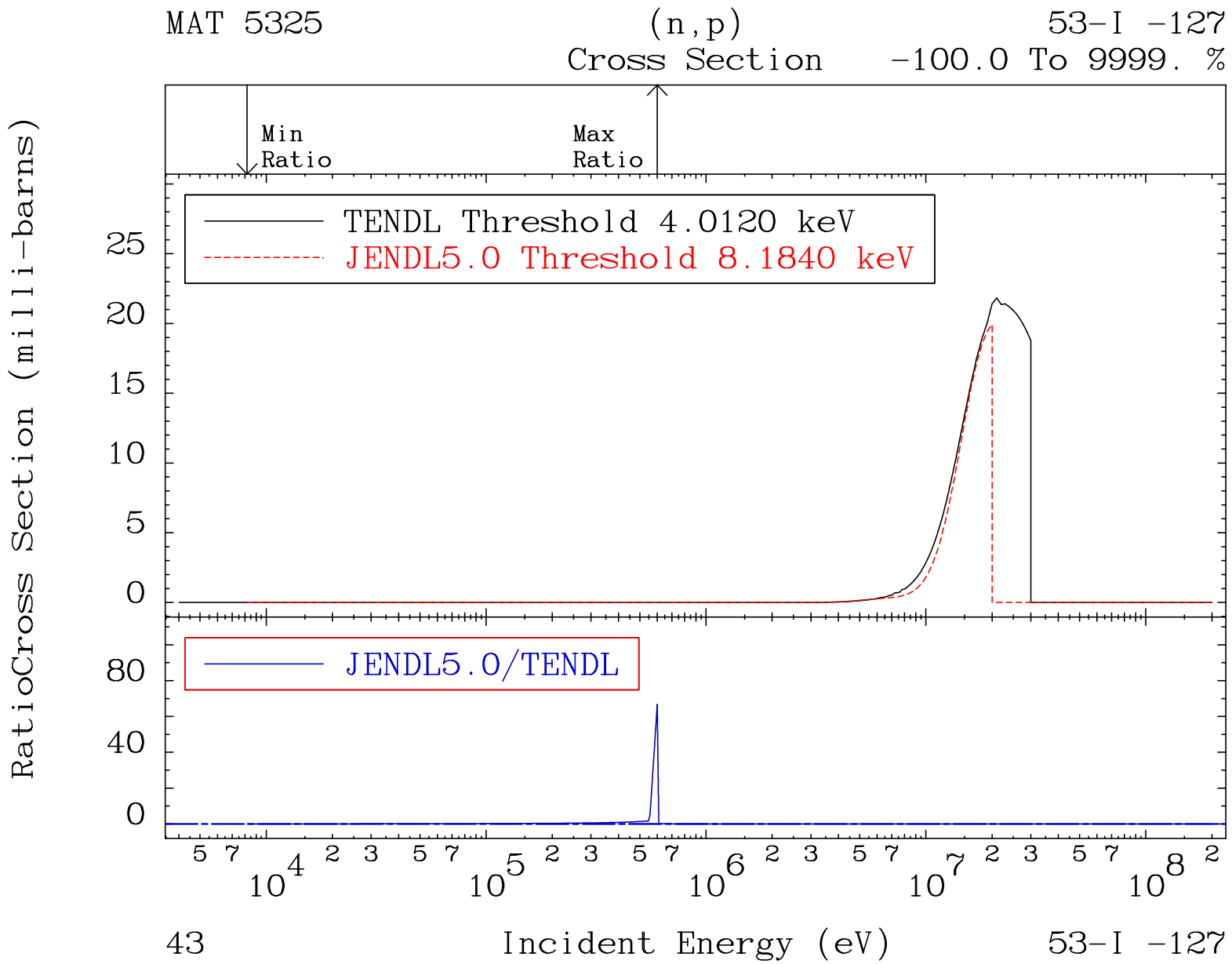

MAT 5325
MT= 78 (n,n') Level
53-I -127
Cross Section -100.0 To 152.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.3859 MeV
JENDL5.0 Threshold 1.3859 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
53-I -127

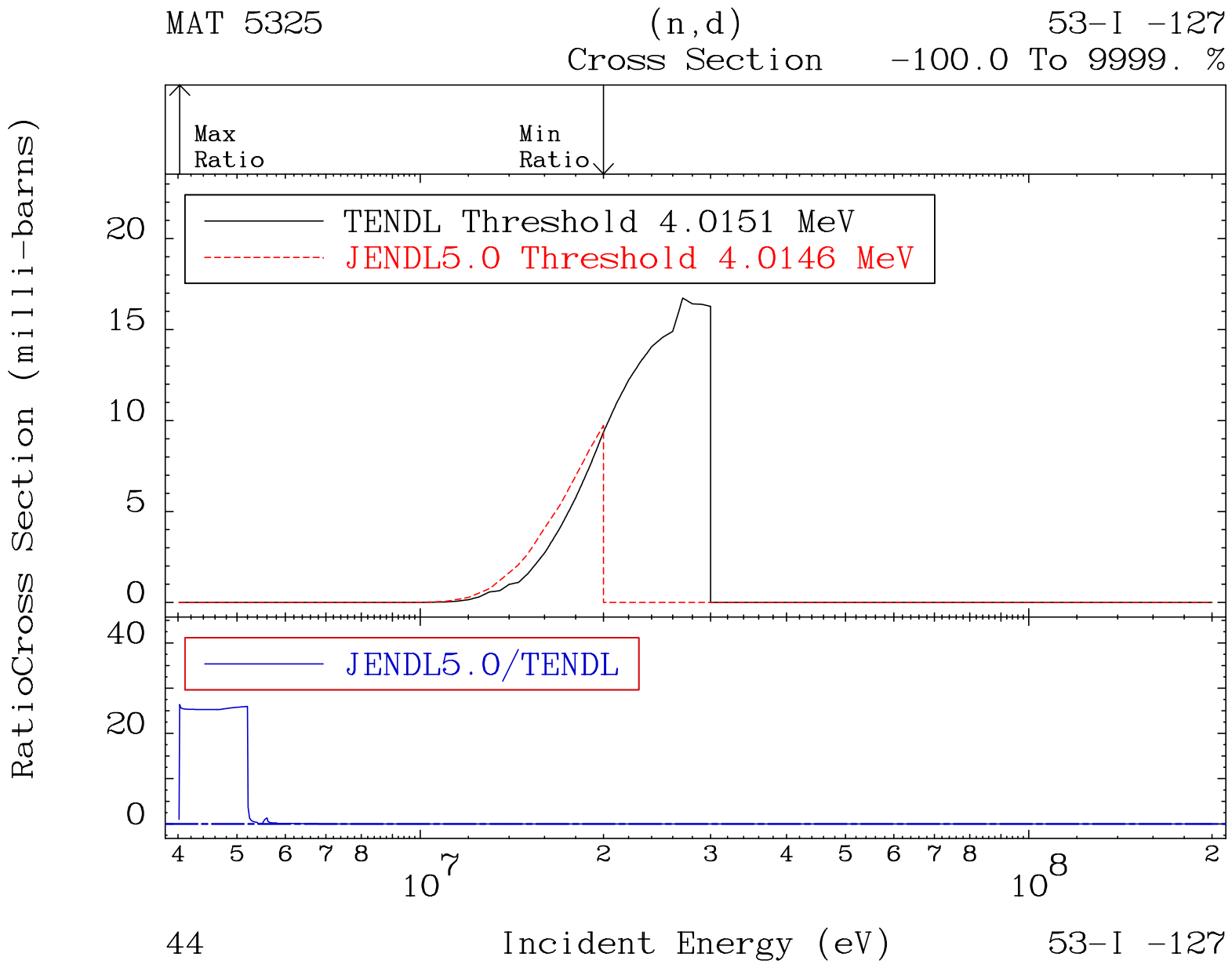

MAT 5325
MT= 79 (n,n') Level
53-I -127
Cross Section -100.0 To 420.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.4130 MeV
JENDL5.0 Threshold 1.4130 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
53-I -127

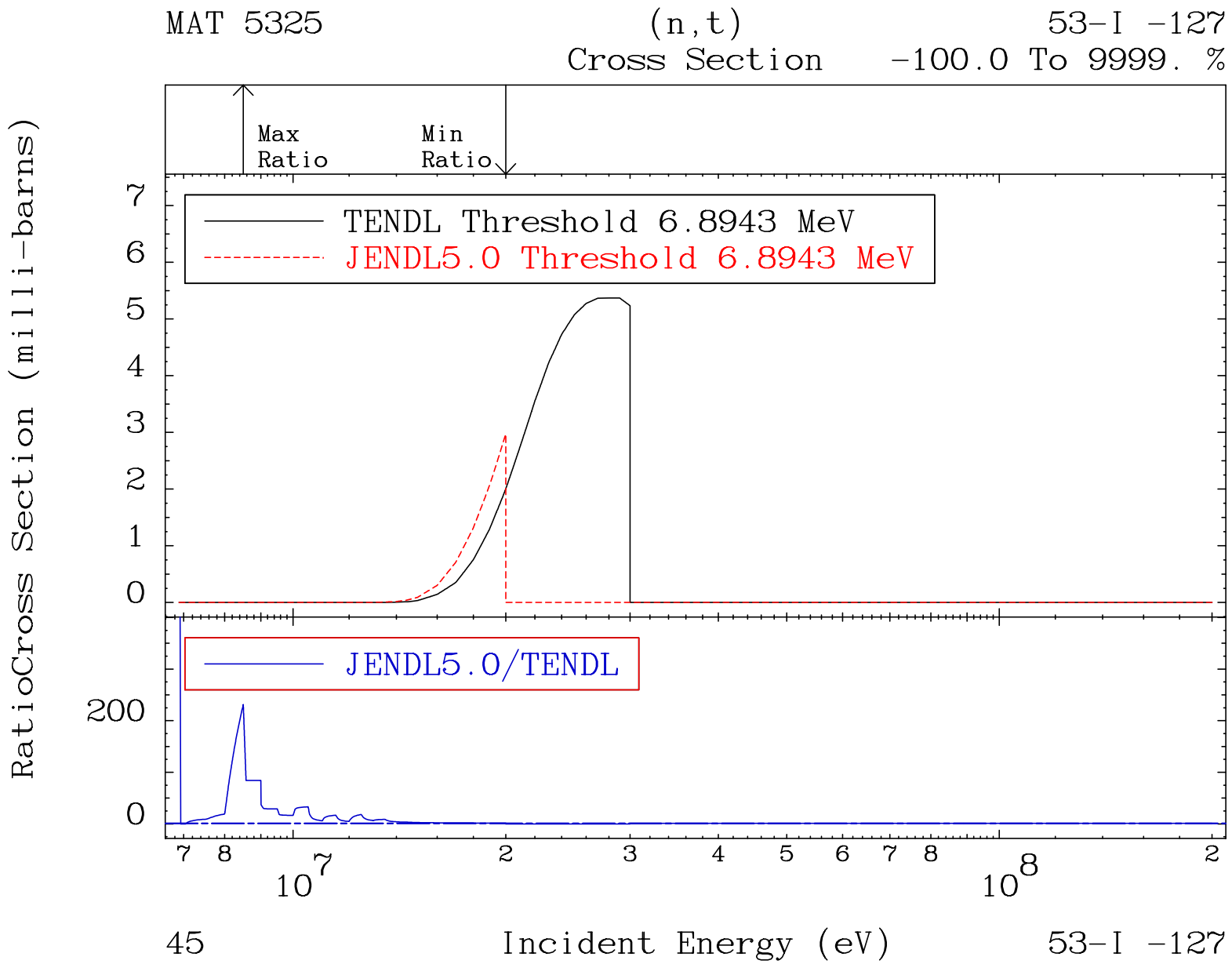

MAT 5325
MT= 80 (n,n') Level
53-I -127
Cross Section -100.0 To 202.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.4244 MeV
JENDL5.0 Threshold 1.4244 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
53-I -127

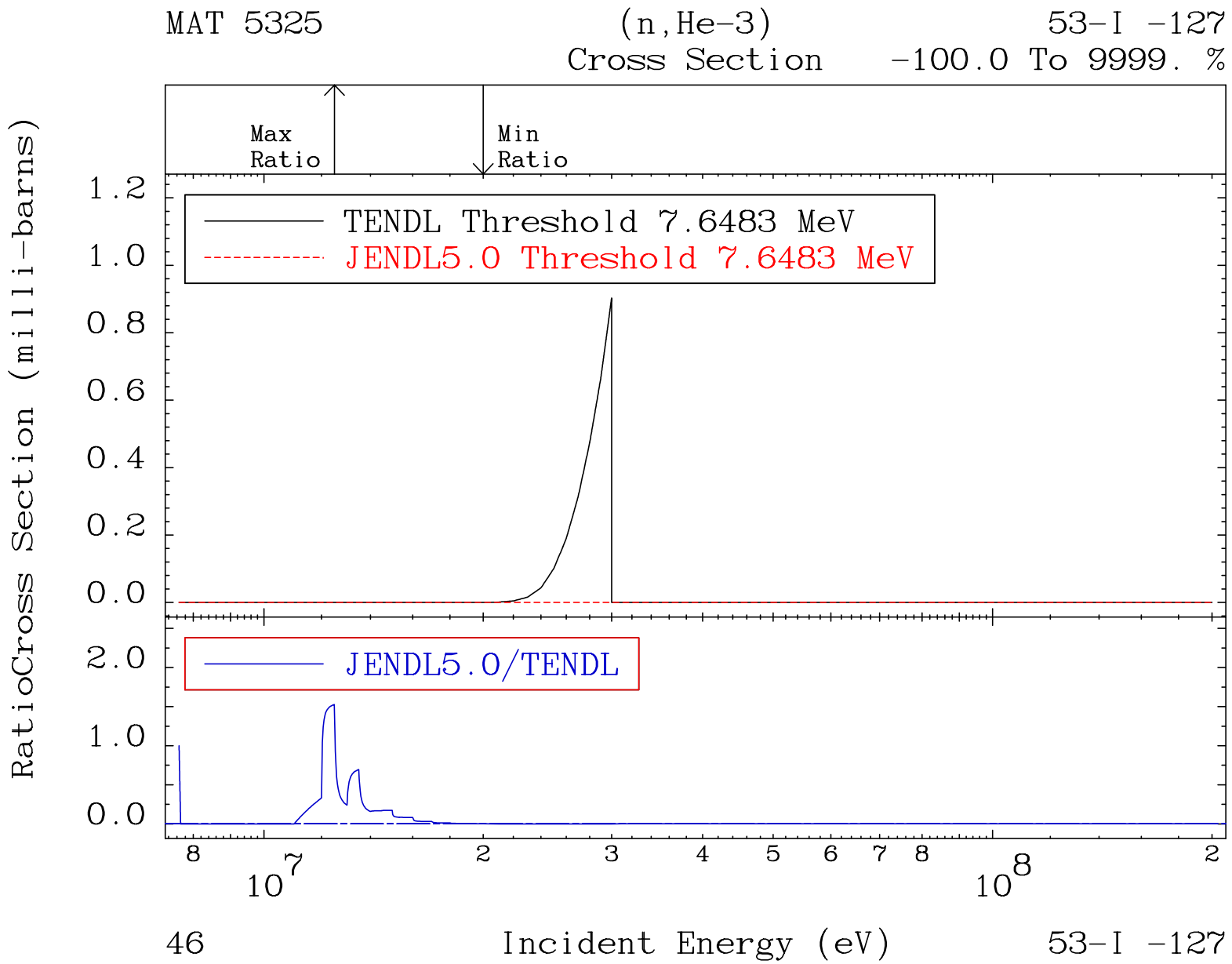

MAT 5325
(n,n') Continuum
Cross Section
53-I -127
-100.0 To 205.1 %
Max Ratio
Min Ratio
TENDL Threshold 1.4244 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
41
Incident Energy (eV)
53-I -127

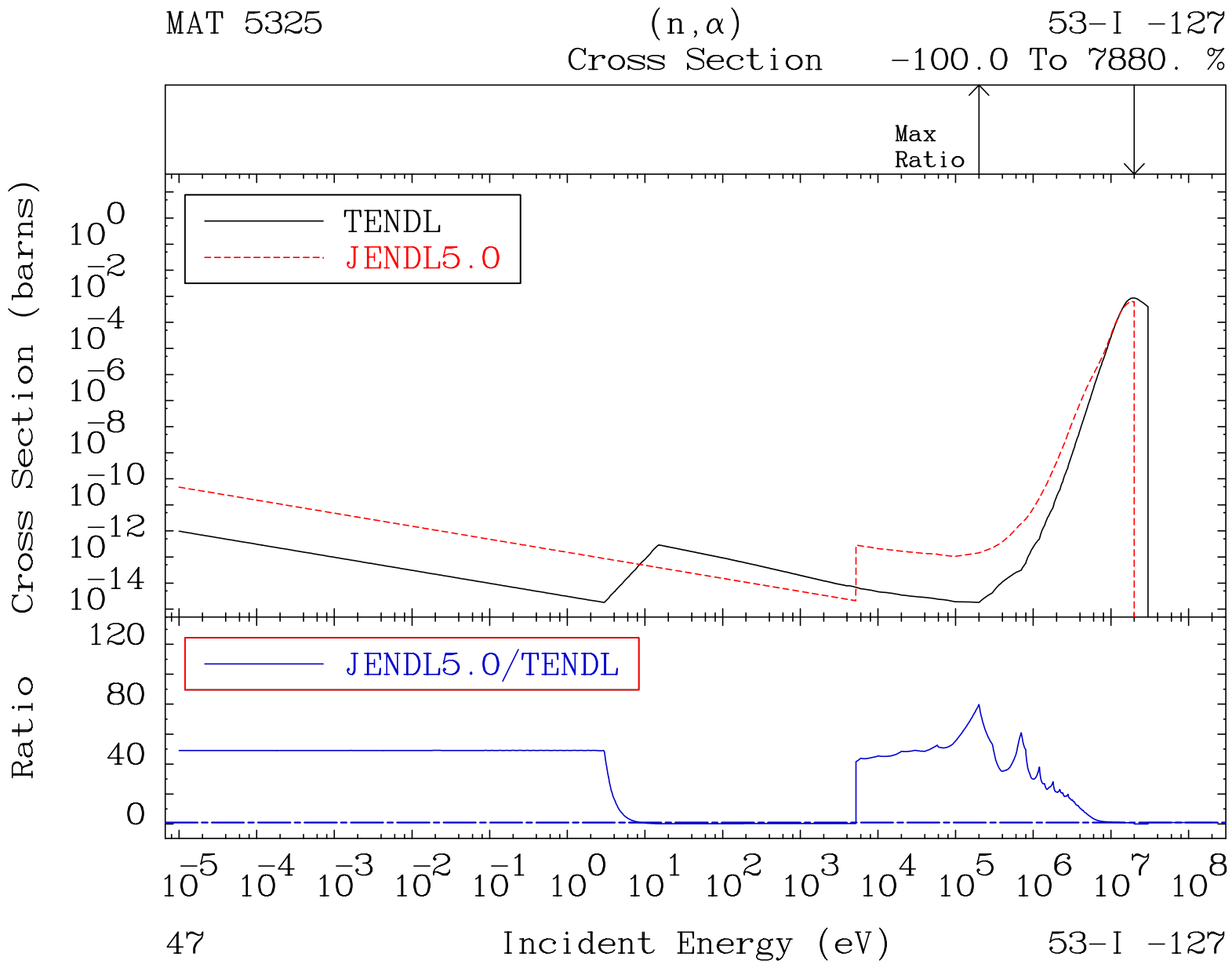

MAT 5325
(n,γ)
Cross Section
53-I -127
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
53-I -127

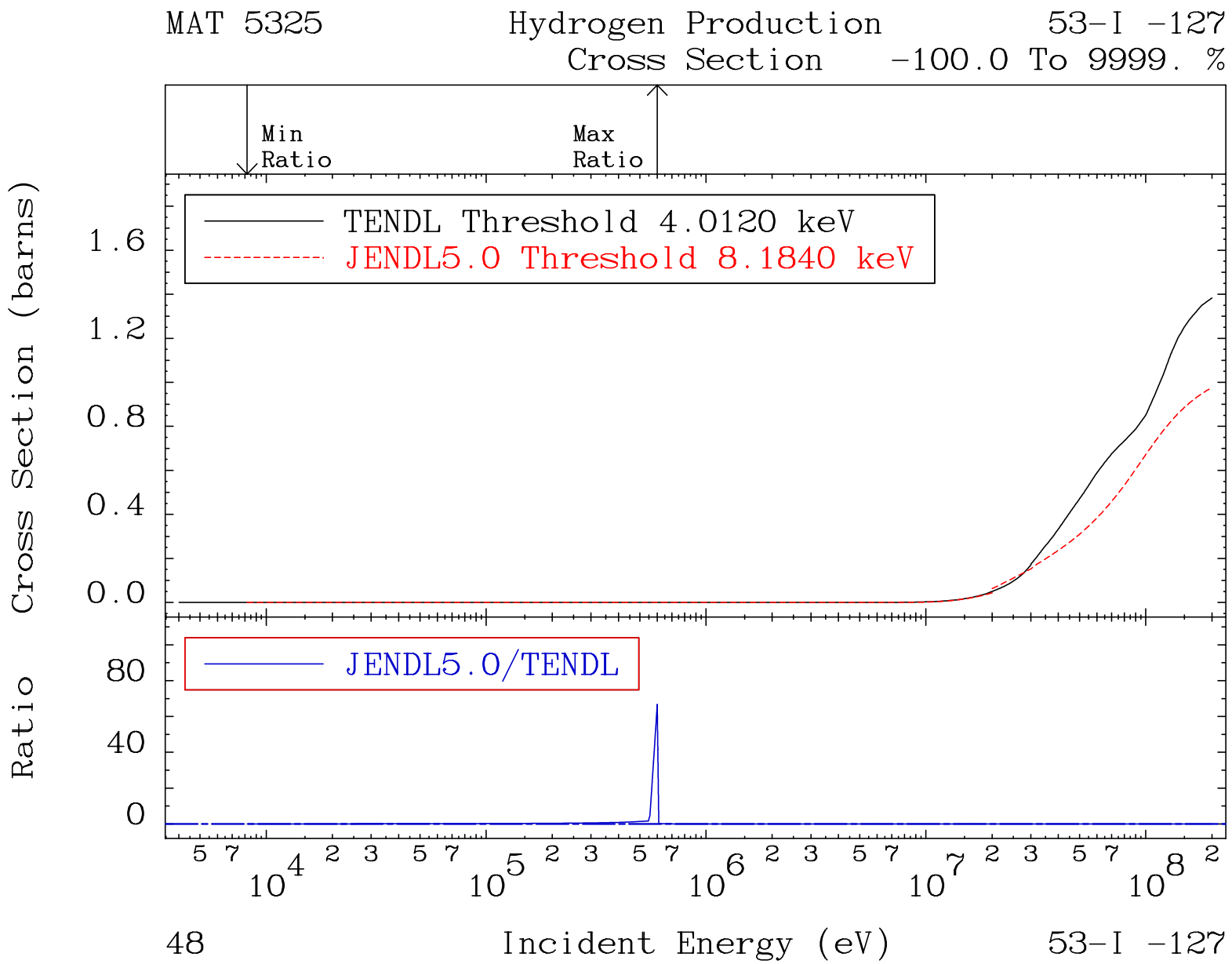

MAT 5325
(n,p)
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0120 keV
JENDL5.0 Threshold 8.1840 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
43
53-I -127

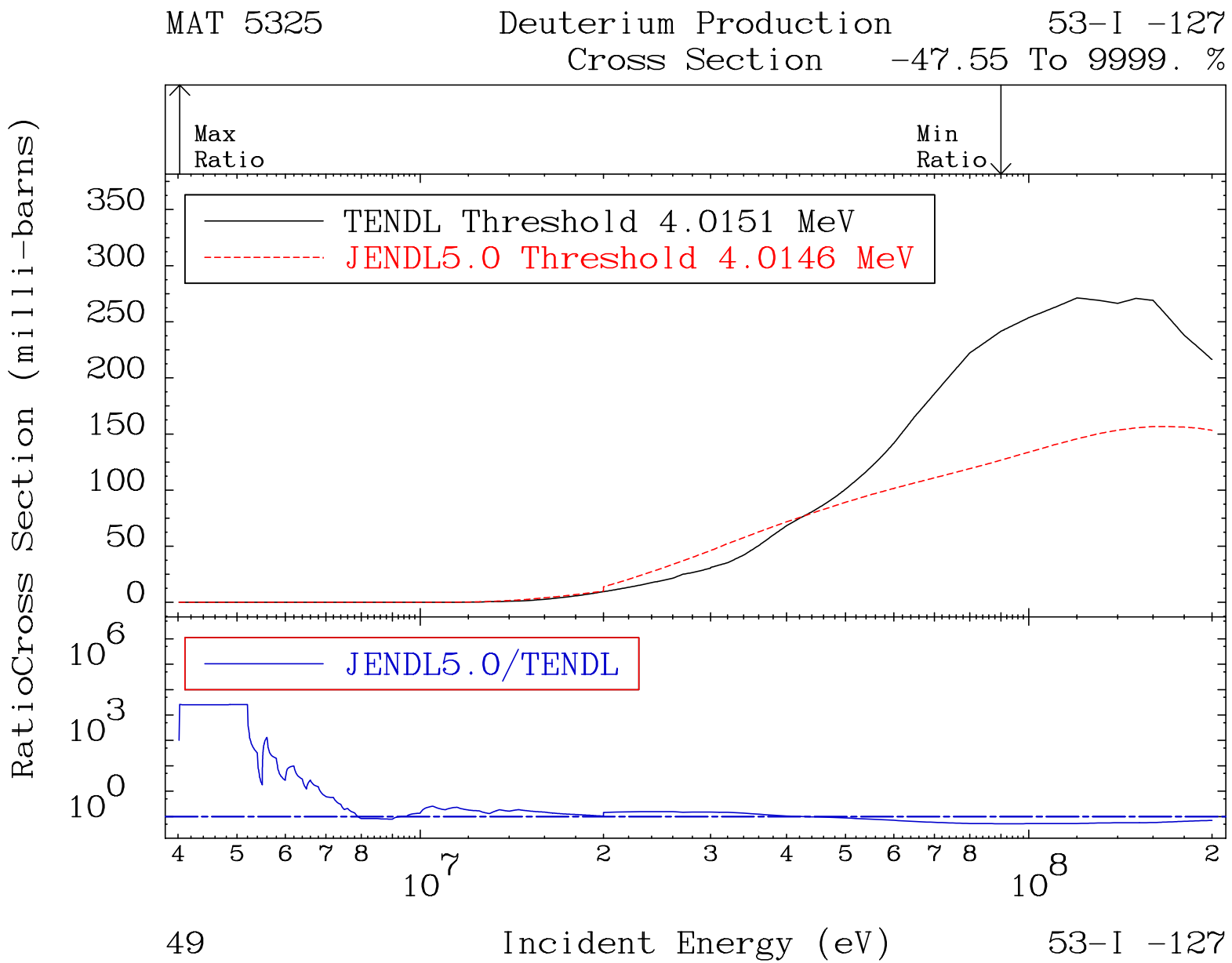

MAT 5325
(n,d)
Cross Section
53-I -127
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.0151 MeV
JENDL5.0 Threshold 4.0146 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
53-I -127

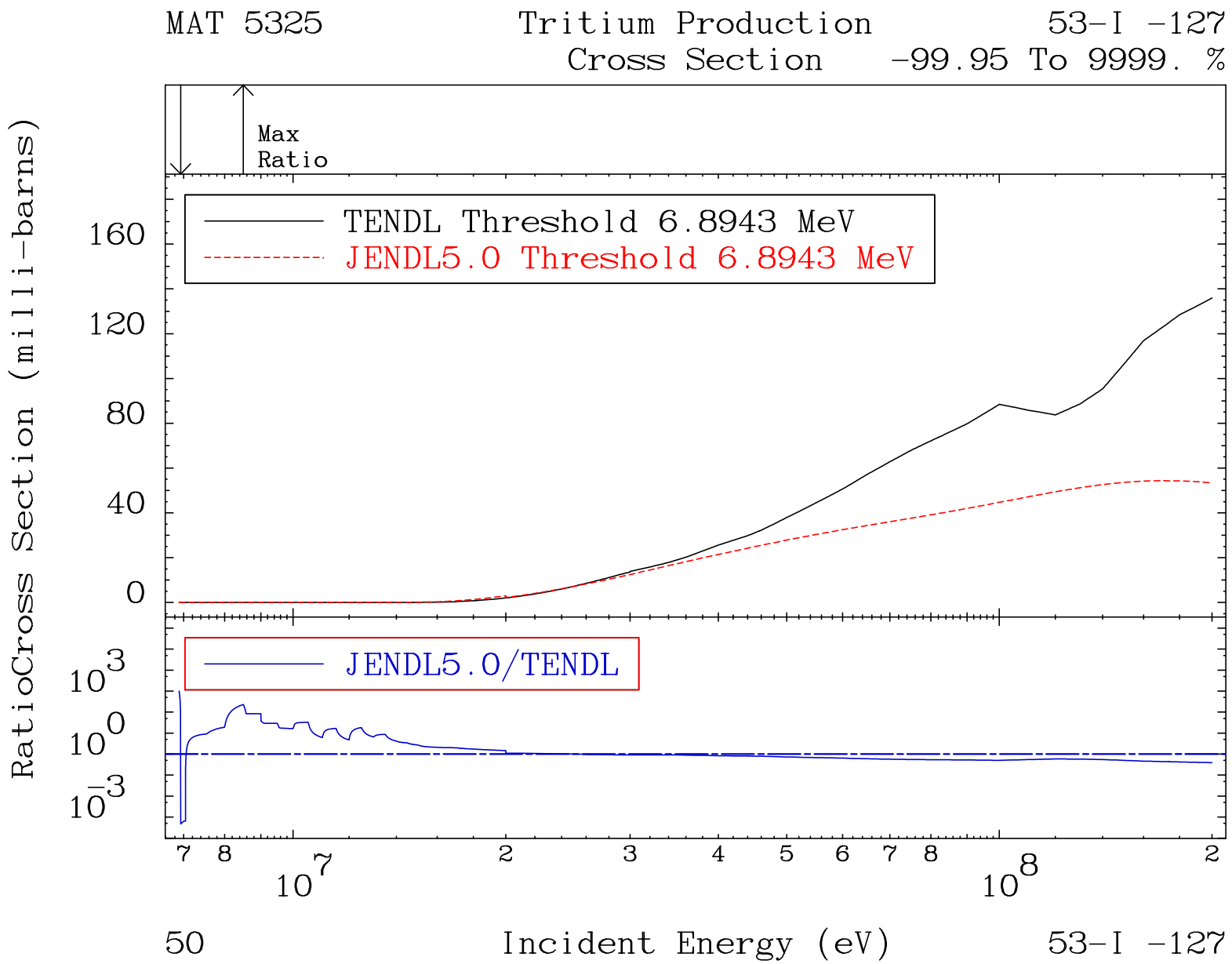

MAT 5325
(n,t)
53-I -127
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8943 MeV
JENDL5.0 Threshold 6.8943 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
53-I -127

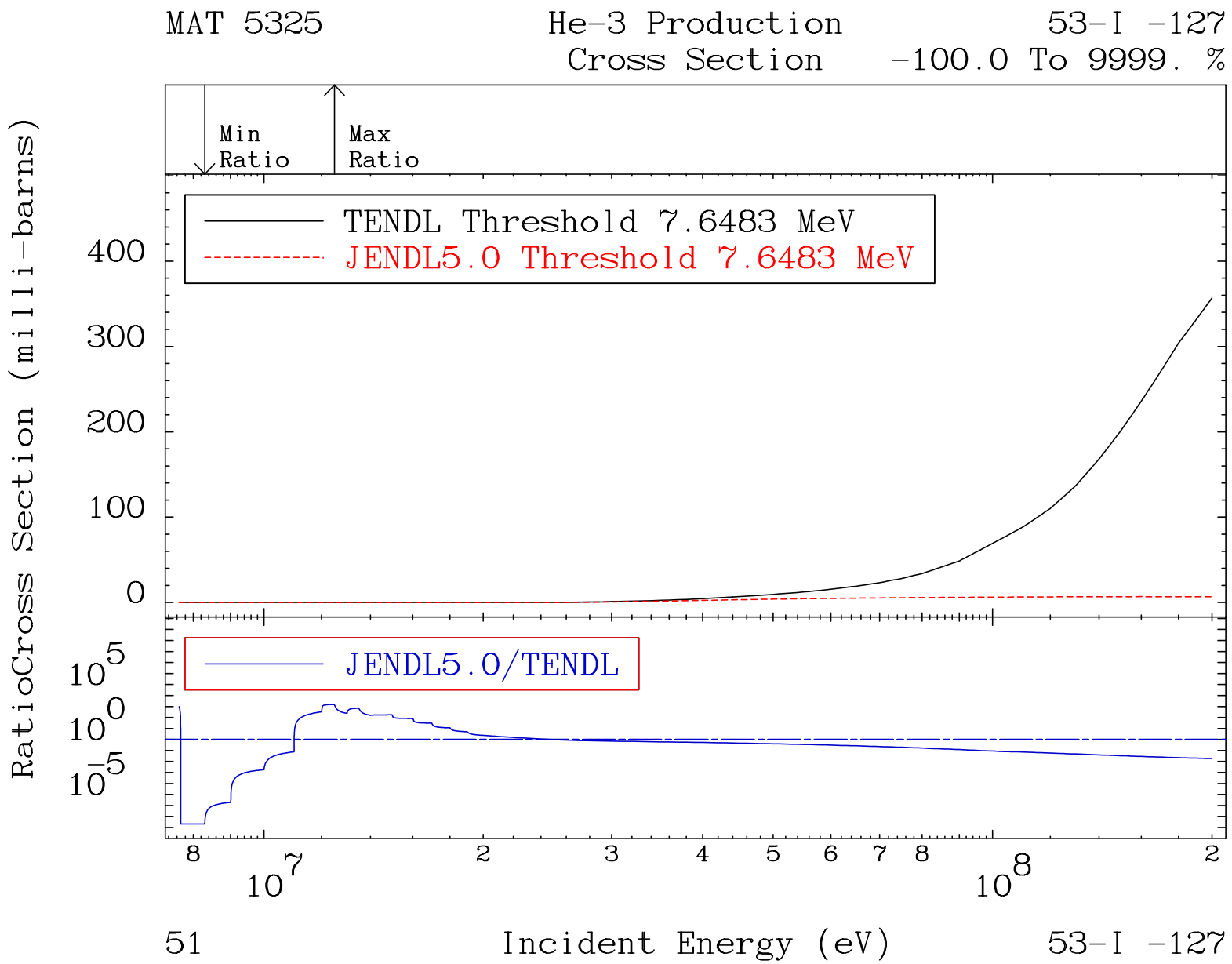

MAT 5325
(n,He-3)
Cross Section
53-I -127
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.6483 MeV
JENDL5.0 Threshold 7.6483 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
46
Incident Energy (eV)
53-I -127

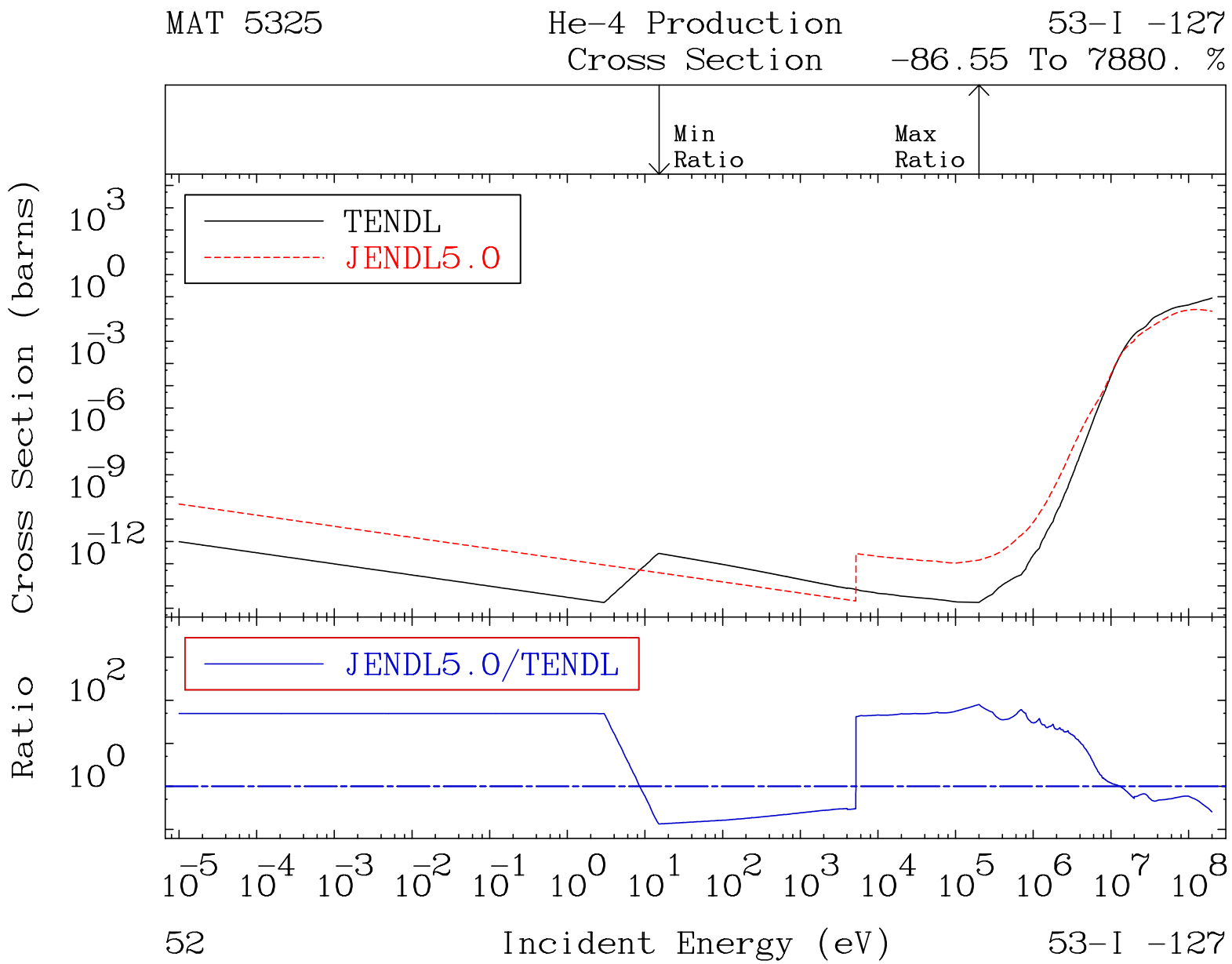

MAT 5325
(n,α)
Cross Section
53-I -127
-100.0 To 7880. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
53-I -127

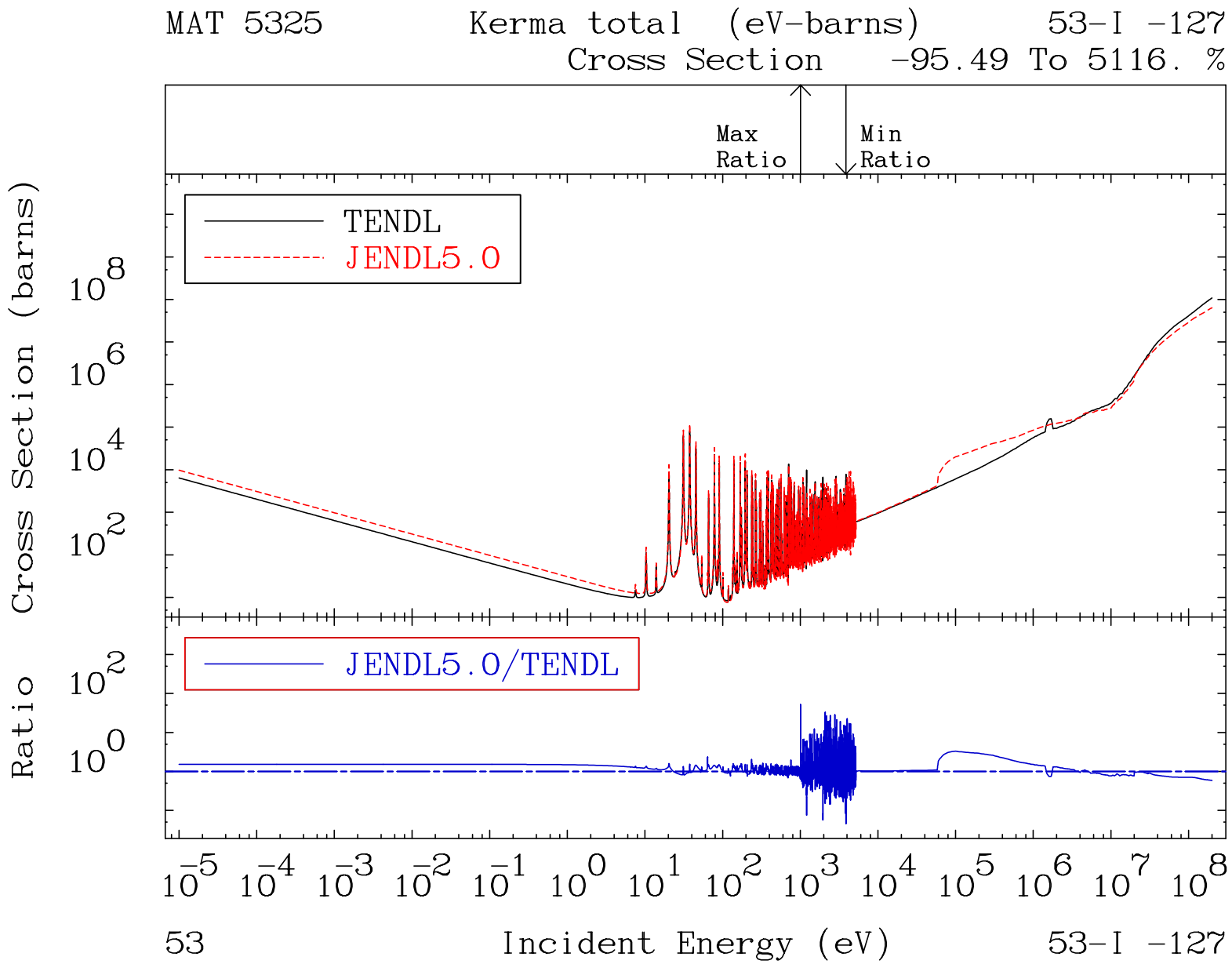

MAT 5325
Hydrogen Production
53-I -127
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0120 keV
JENDL5.0 Threshold 8.1840 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
80
40
0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
48
Incident Energy (eV)
53-I -127

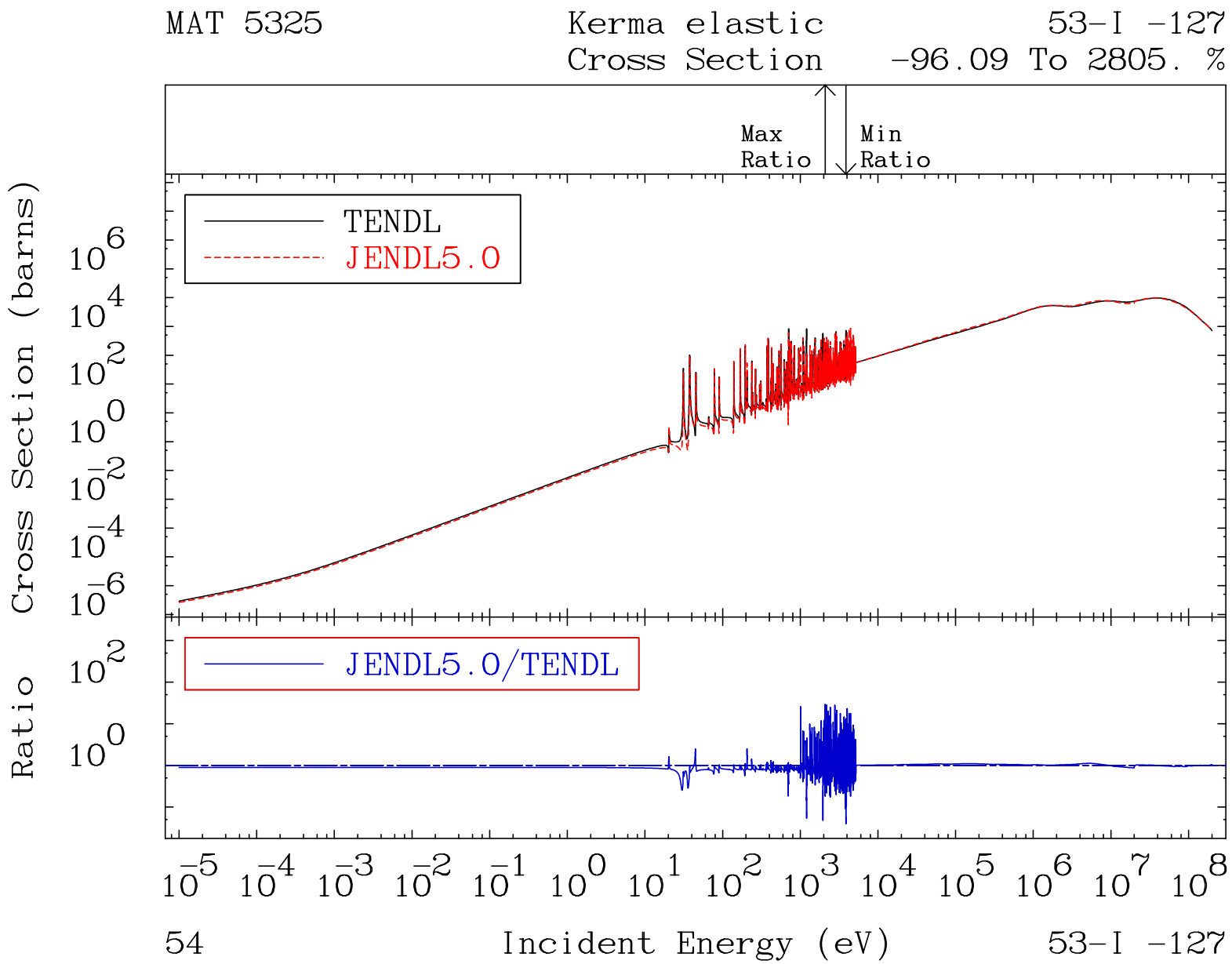

MAT 5325
Deuterium Production
53-I -127
Cross Section -47.55 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.0151 MeV
JENDL5.0 Threshold 4.0146 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^6
10^3
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
53-I -127

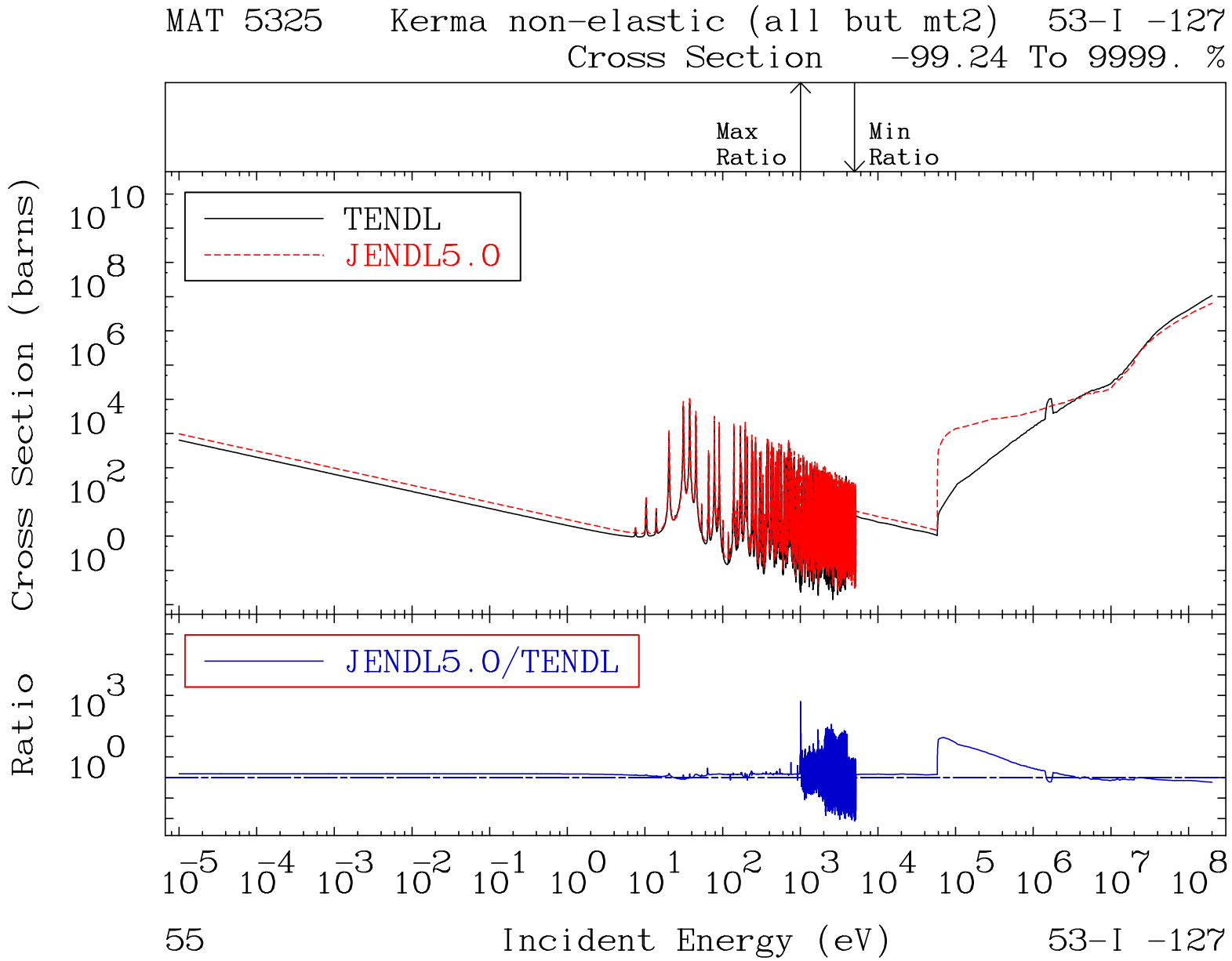

MAT 5325
Tritium Production
53-I -127
Cross Section
-99.95 To 9999. %
Max
Ratio
TENDL Threshold 6.8943 MeV
JENDL5.0 Threshold 6.8943 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^3
10^0
10^-3
7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
53-I -127

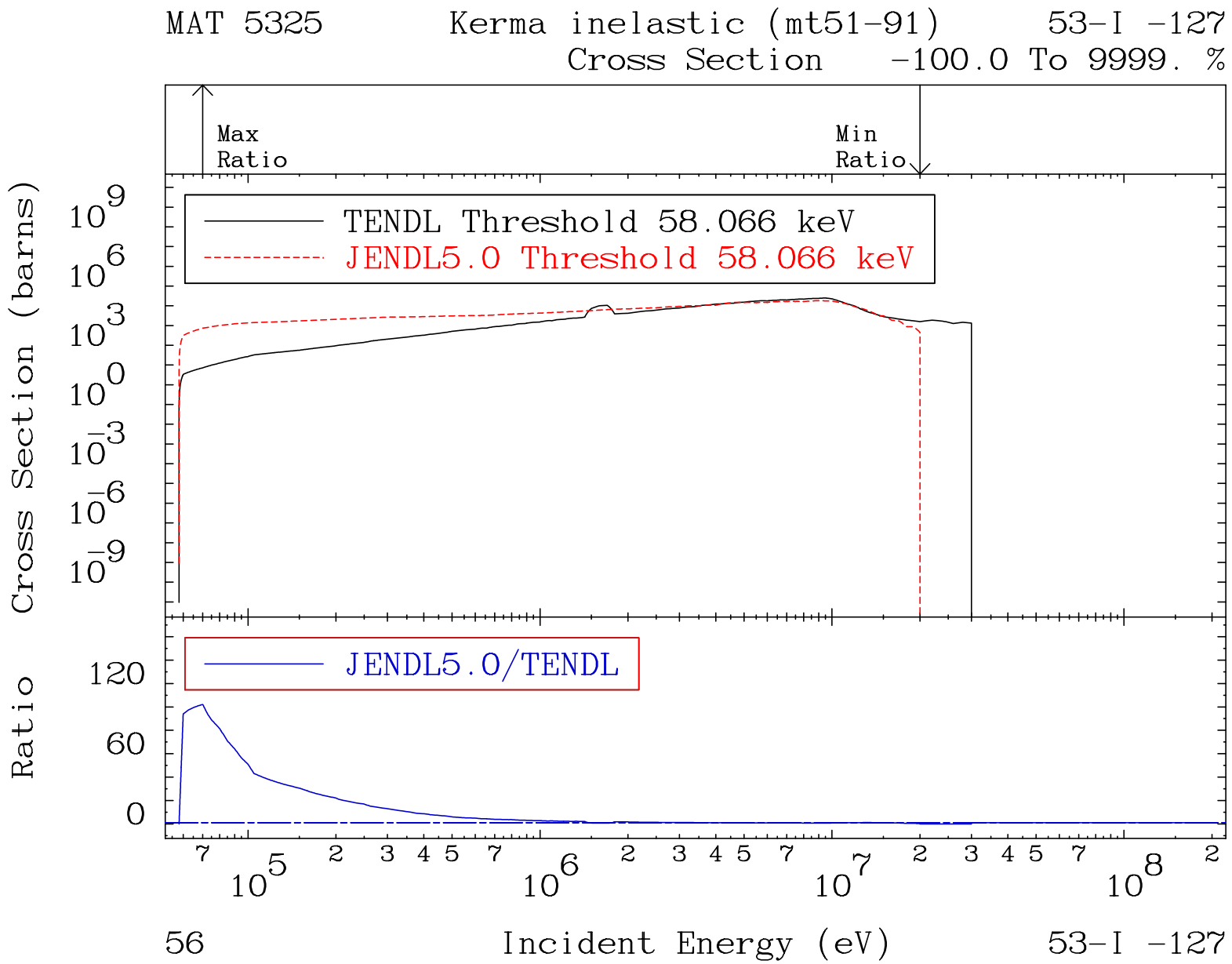

MAT 5325
He-3 Production
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
JENDL5.0 Threshold 7.6483 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^5
10^0
10^-5
8
10^7
2
3
4
5
6
7
8
10^8
2
51
Incident Energy (eV)
53-I -127

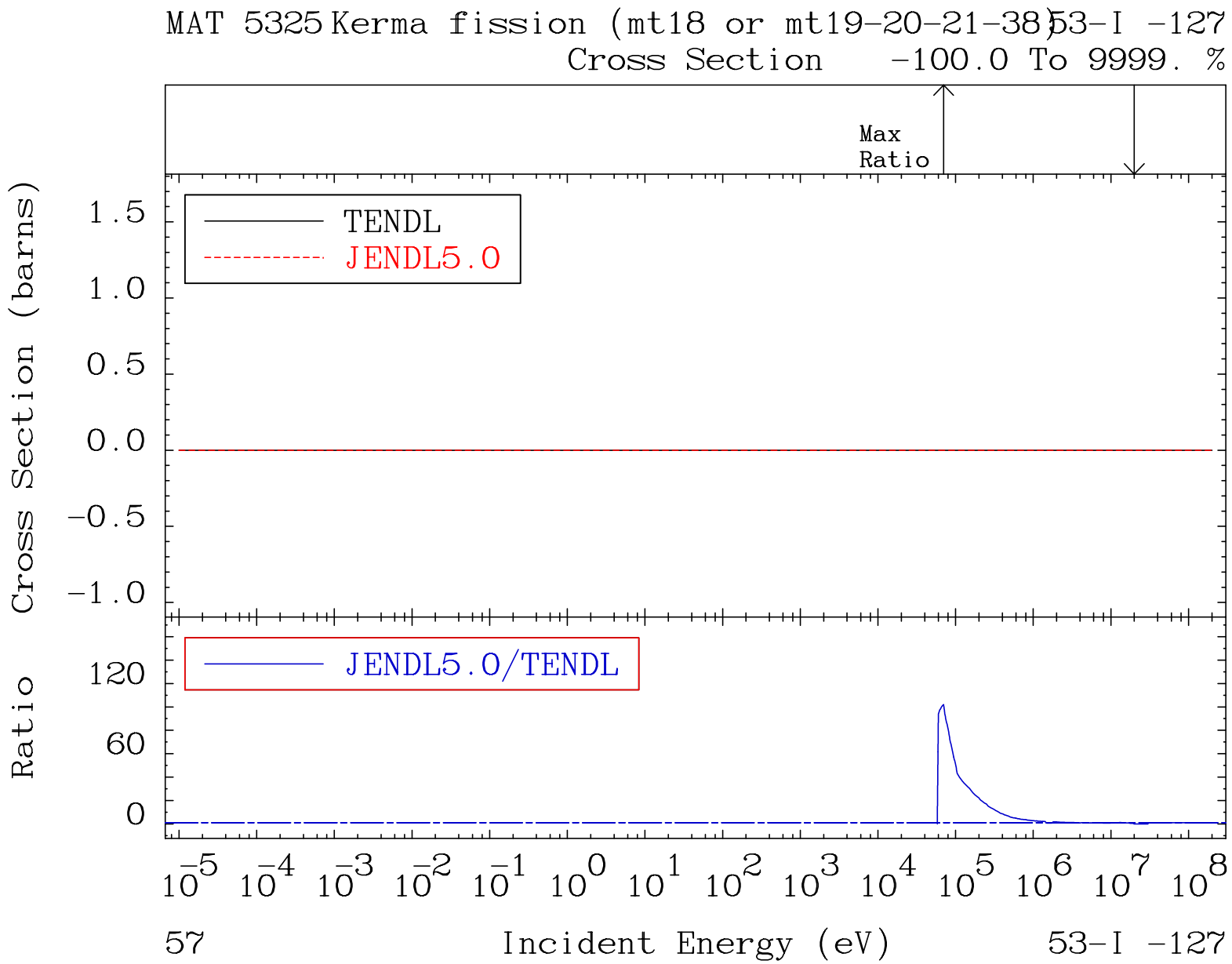

MAT 5325
He-4 Production
Cross Section
53-I -127
-86.55 To 7880. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
52
53-I -127

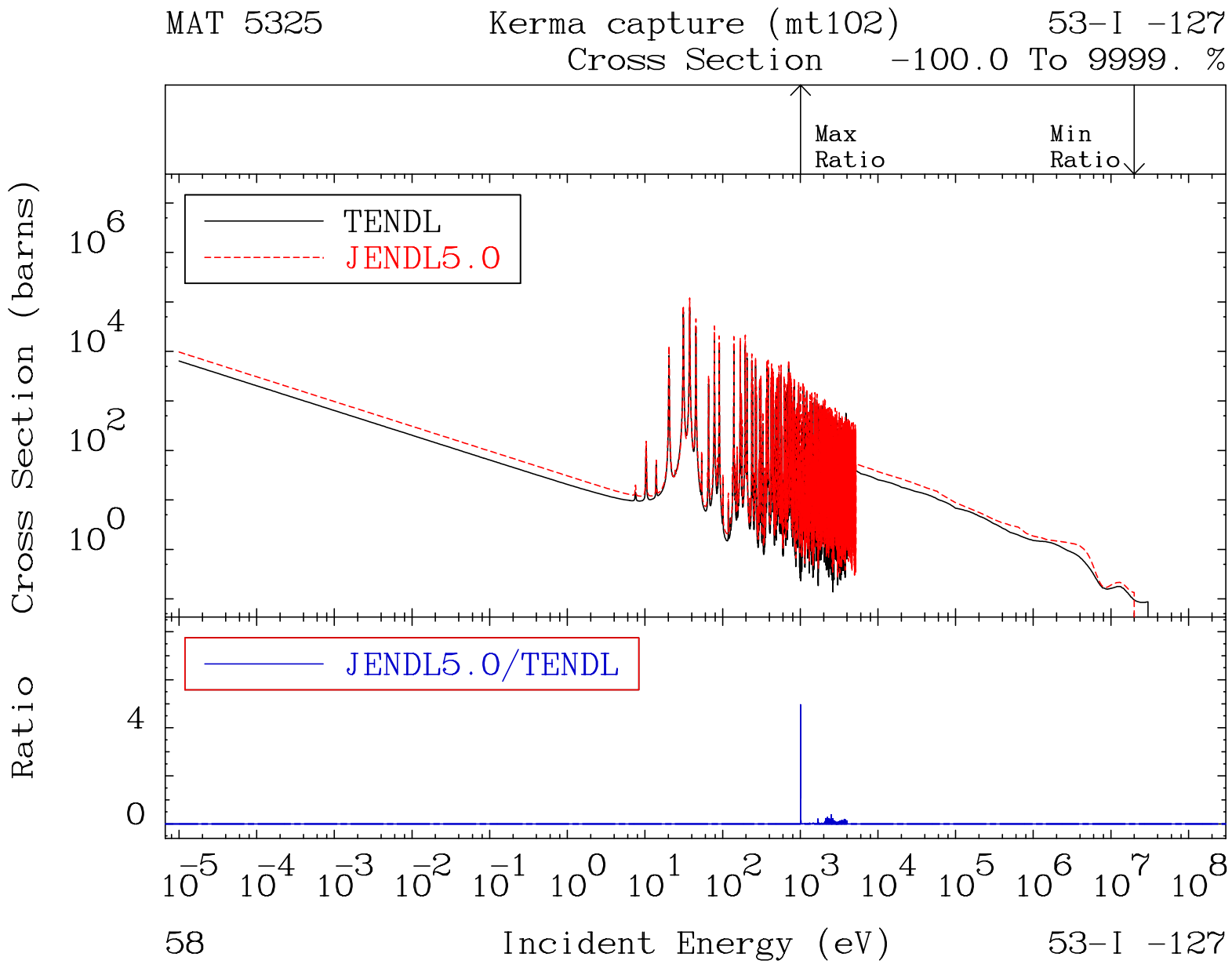

MAT 5325
Kerma total (eV-barns)
53-I -127
Cross Section -95.49 To 5116. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
53
53-I -127

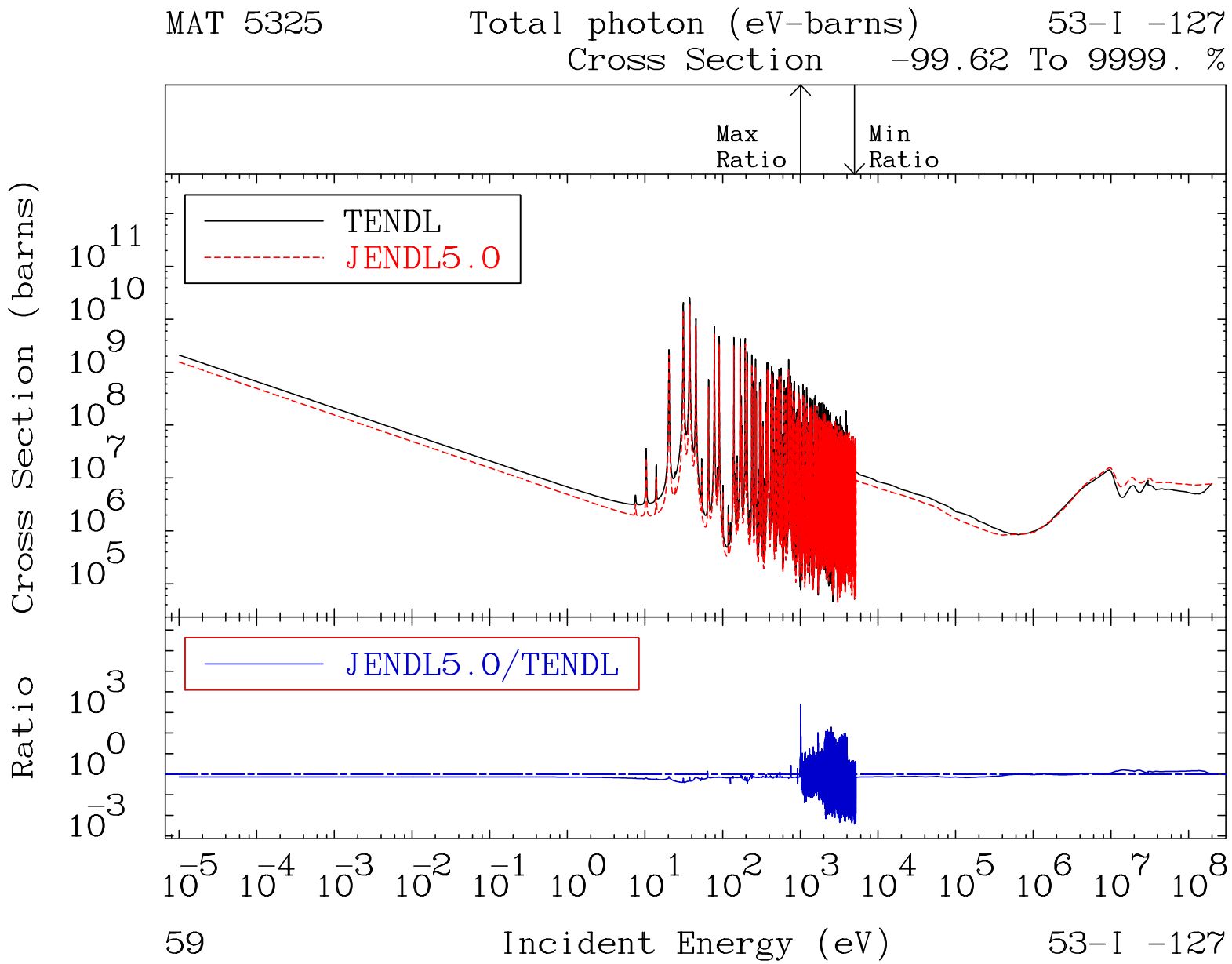

MAT 5325
Kerma elastic
Cross Section
53-I -127
-96.09 To 2805. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
54
53-I -127

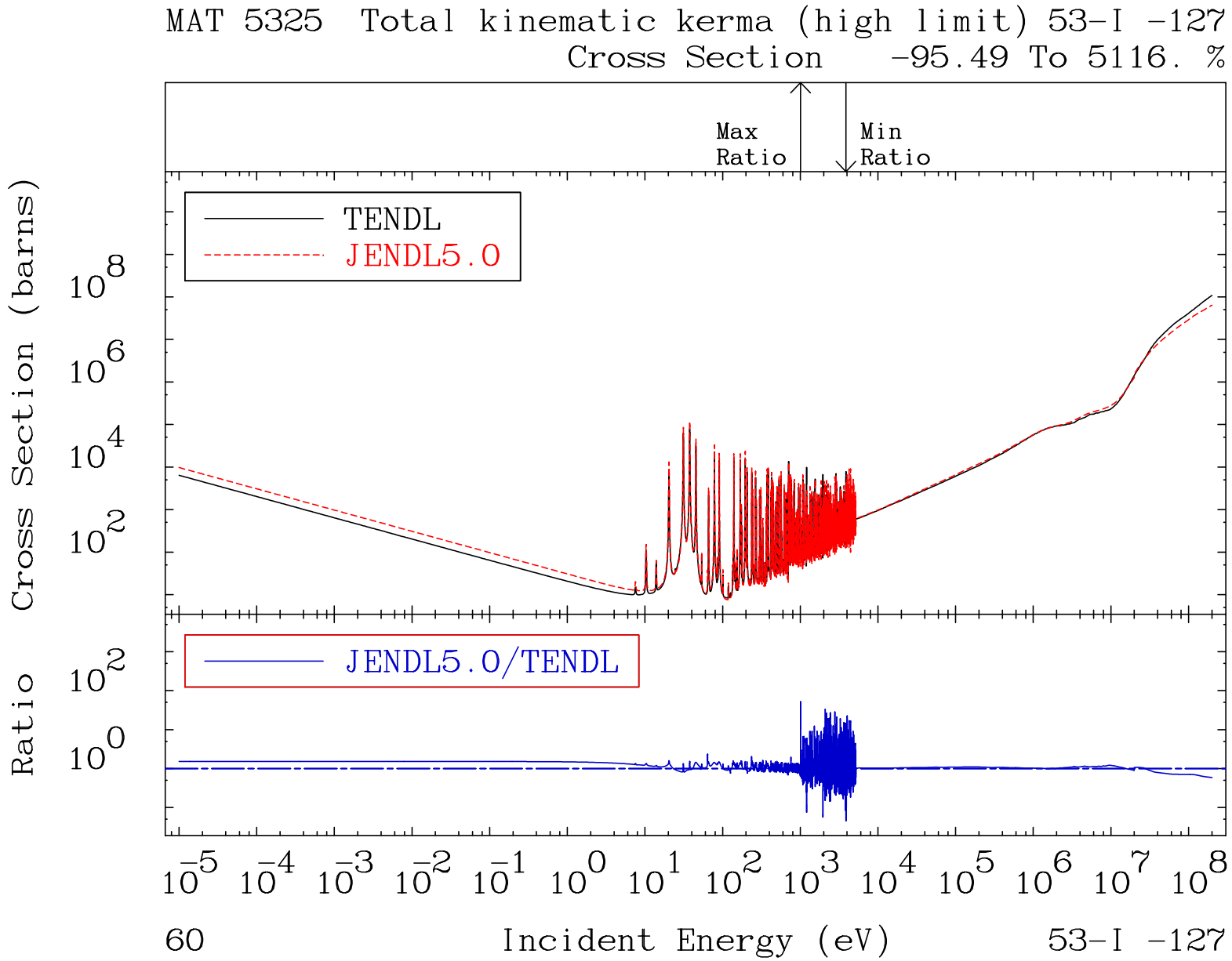

MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
Cross Section -99.24 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
53-I -127

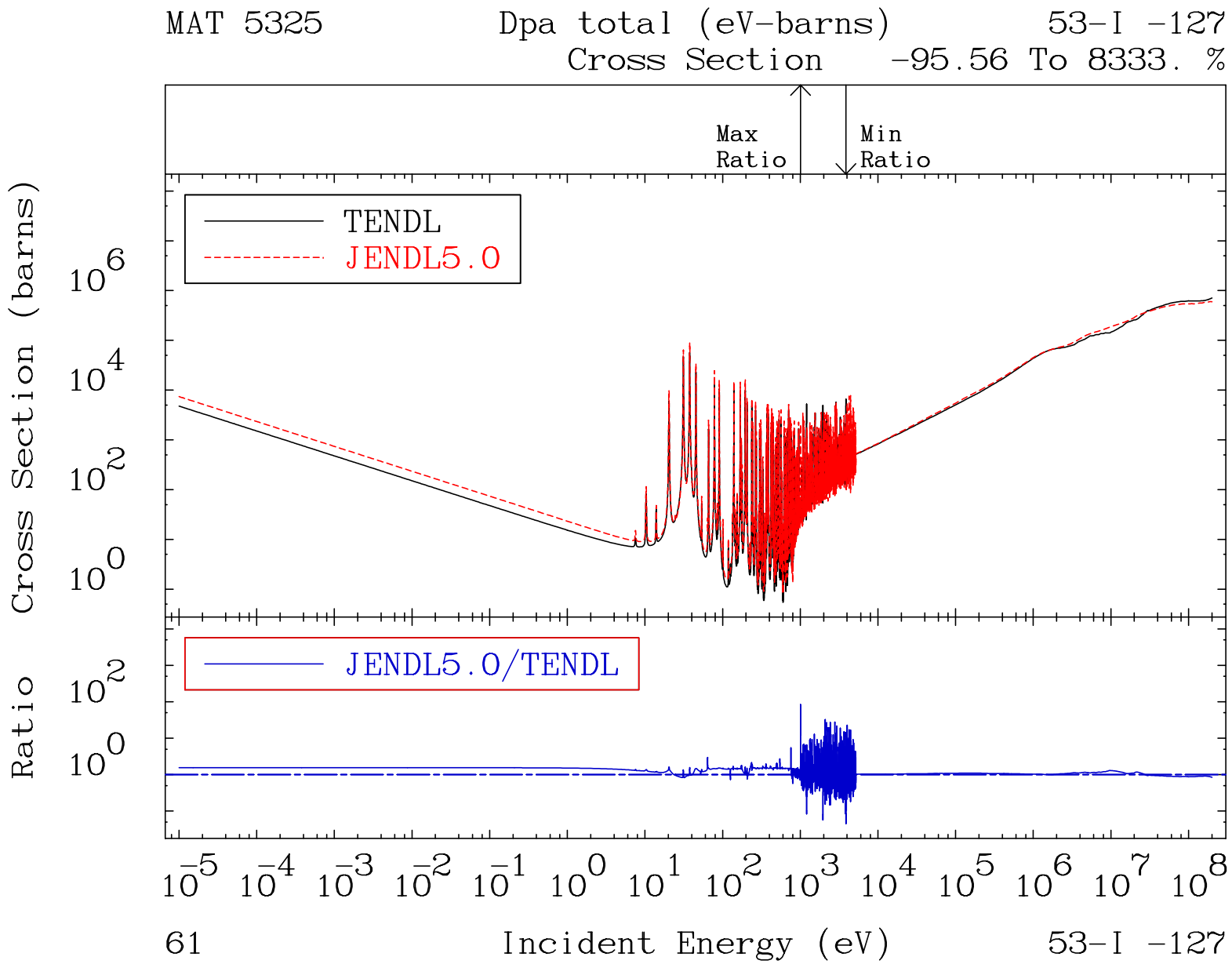

MAT 5325
Kerma inelastic (mt51-91)
53-I -127
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 58.066 keV
JENDL5.0 Threshold 58.066 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
53-I -127

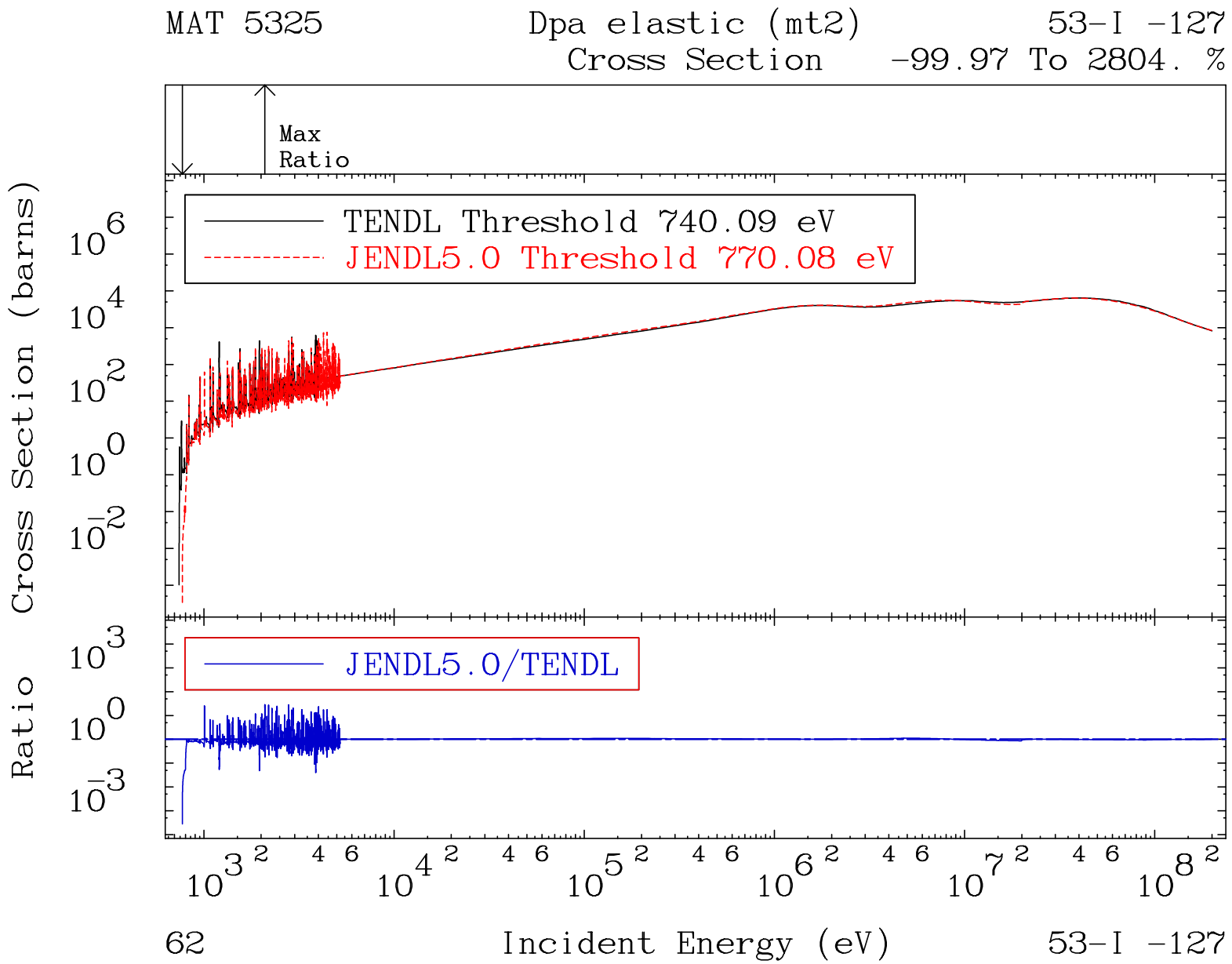

MAT 5325 Kerma fission (mt18 or mt19-20-21-38) 53-I -127
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
57
Incident Energy (eV)
53-I -127

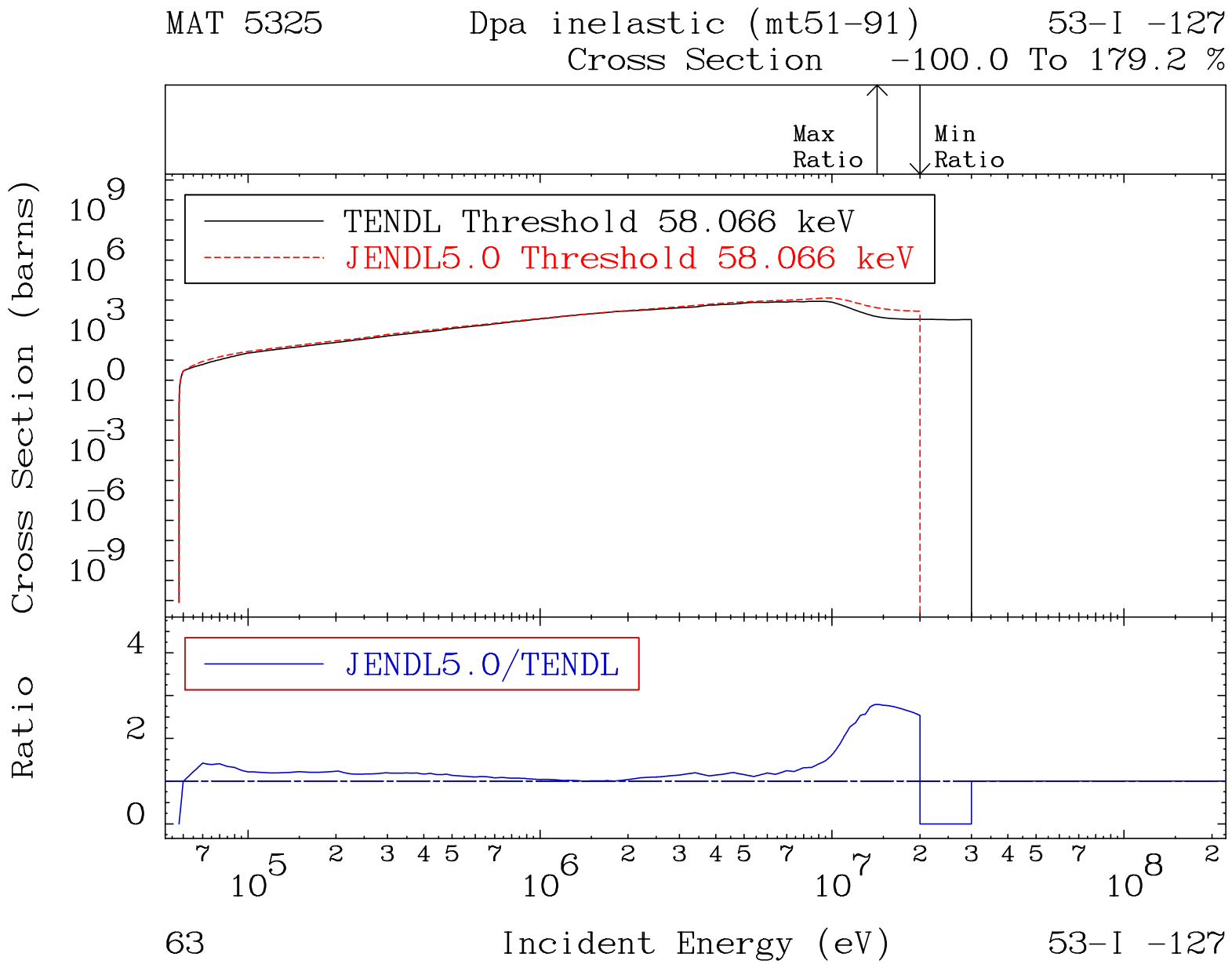

MAT 5325
Kerma capture (mt102)
53-I -127
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^6
10^4
10^2
10^0
JENDL5.0/TENDL
Ratio
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
58
Incident Energy (eV)
53-I -127

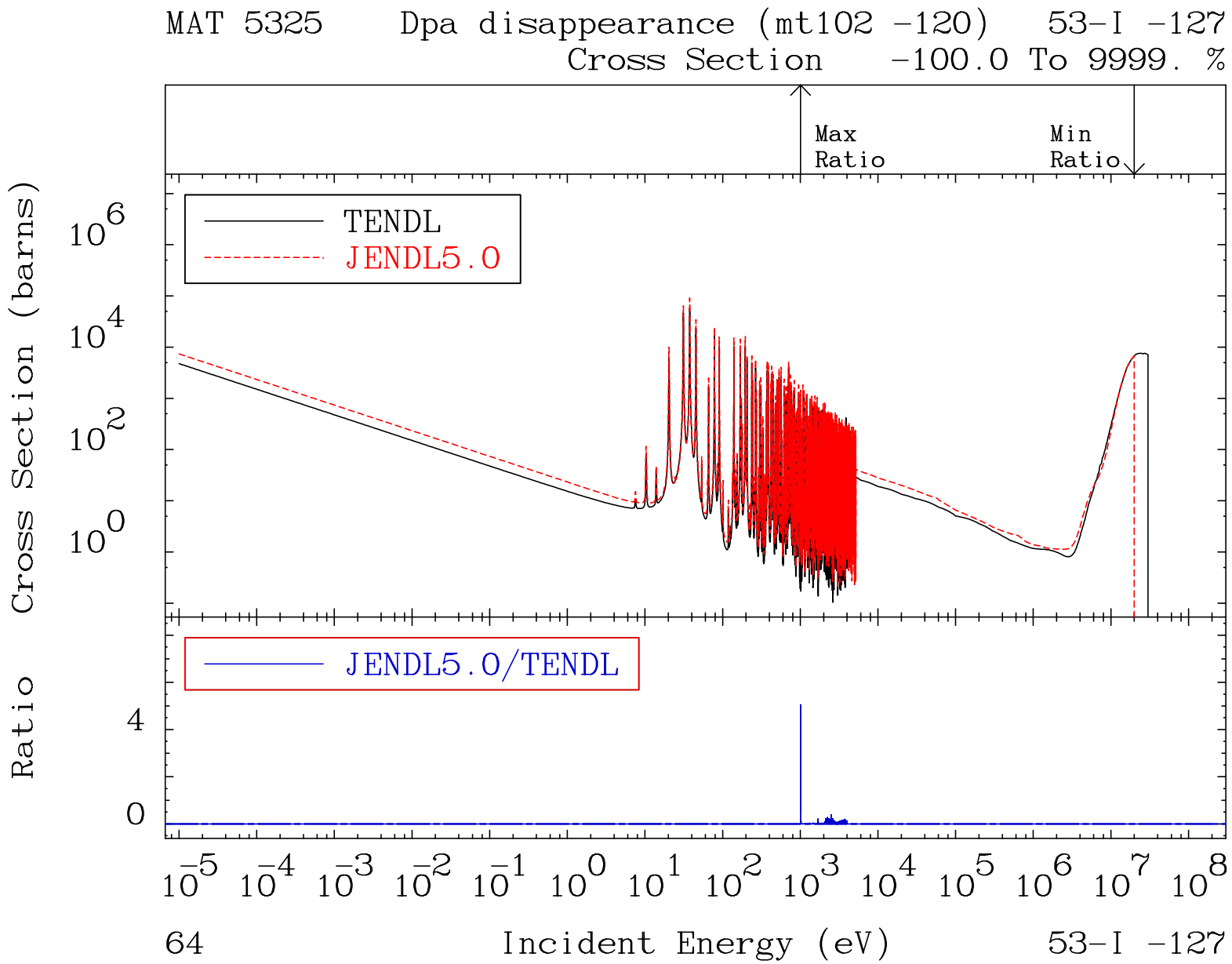

MAT 5325
Total photon (eV-barns)
53-I -127
Cross Section -99.62 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
59
Incident Energy (eV)
53-I -127

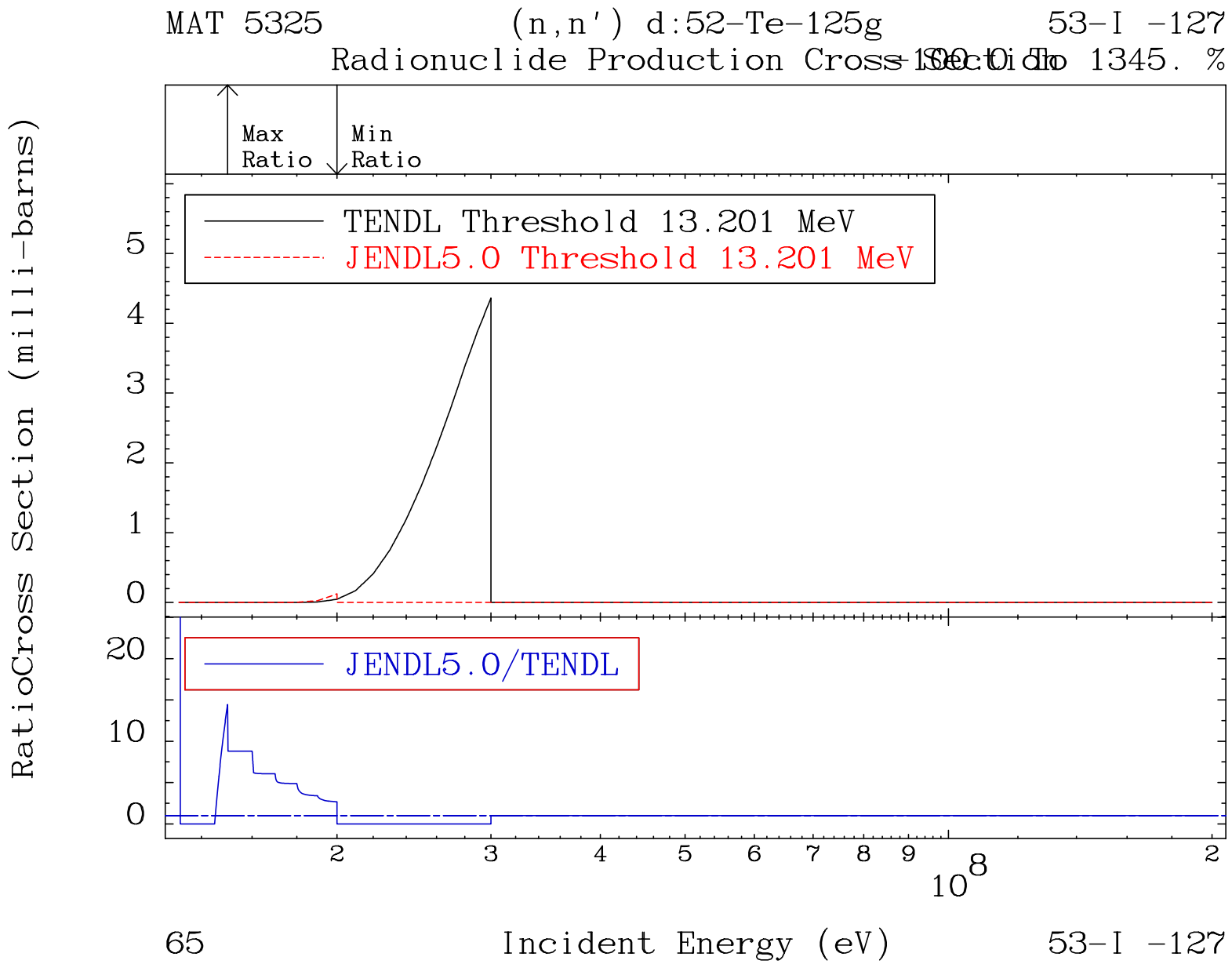

MAT 5325 Total kinematic kerma (high limit) 53-I -127
Cross Section -95.49 To 5116. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
53-I -127

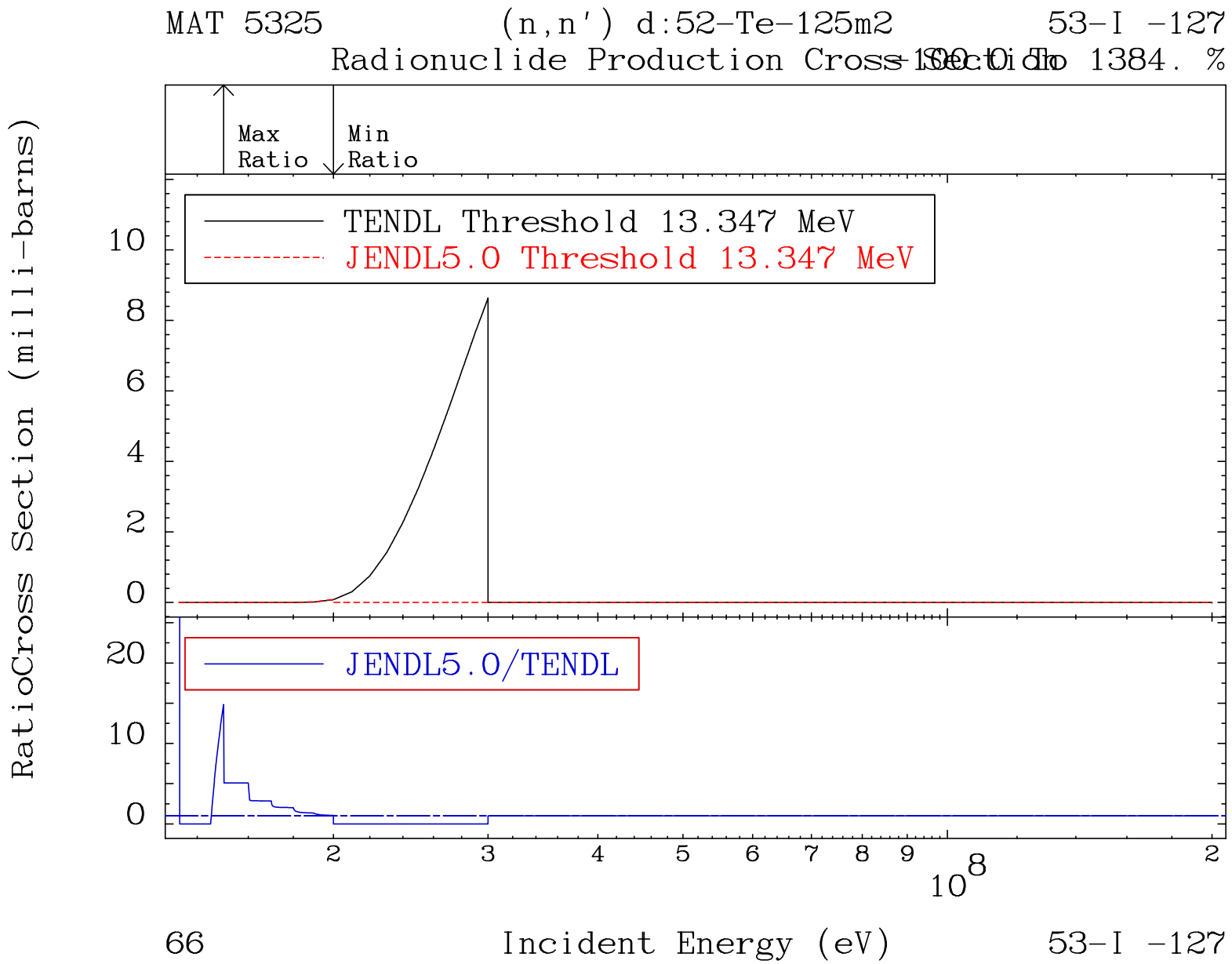

MAT 5325
Dpa total (eV-barns)
53-I -127
Cross Section -95.56 To 8333. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
53-I -127

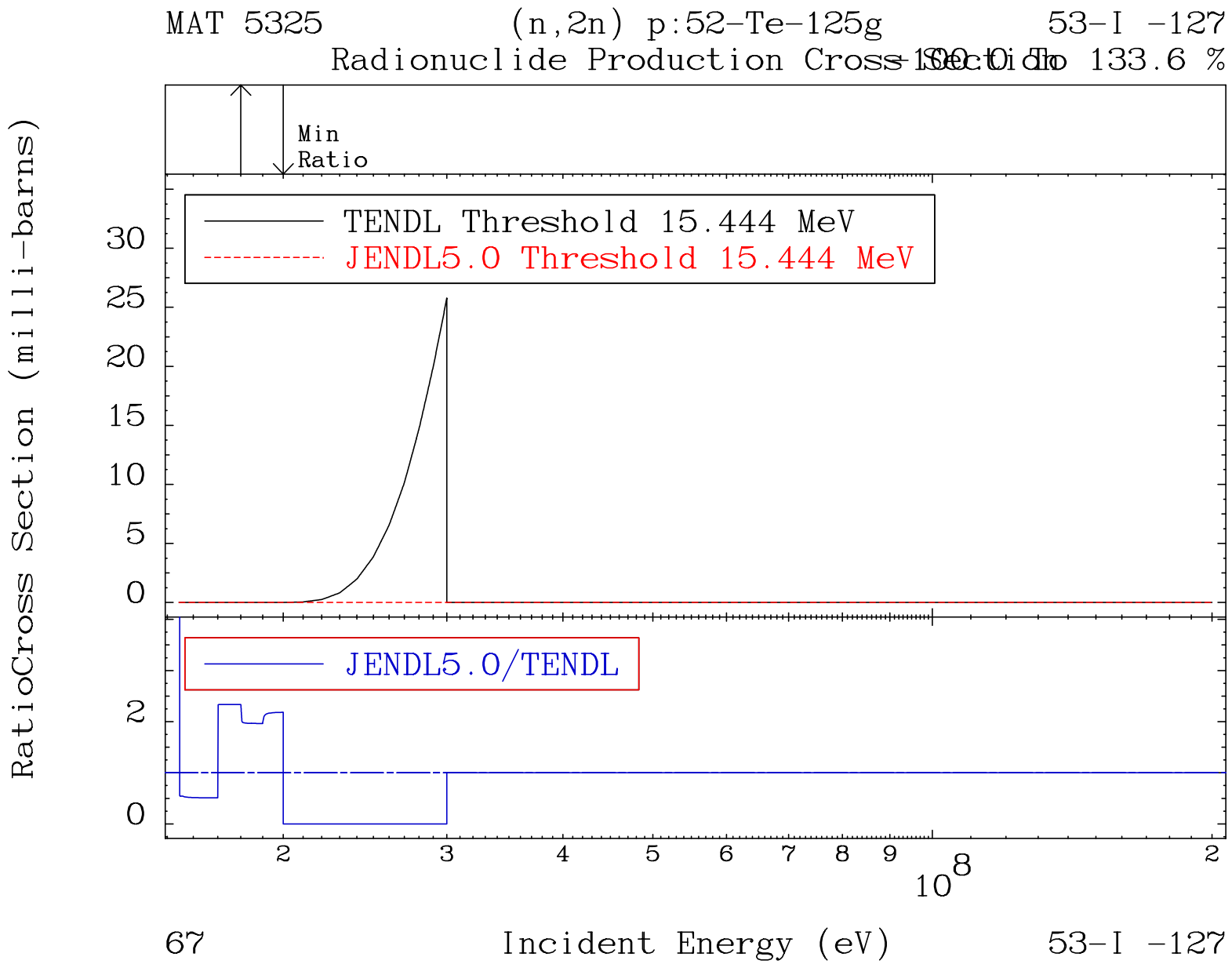

MAT 5325
Dpa elastic (mt2)
Cross Section
53-I -127
-99.97 To 2804. %
Max
Ratio
TENDL Threshold 740.09 eV
JENDL5.0 Threshold 770.08 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
53-I -127

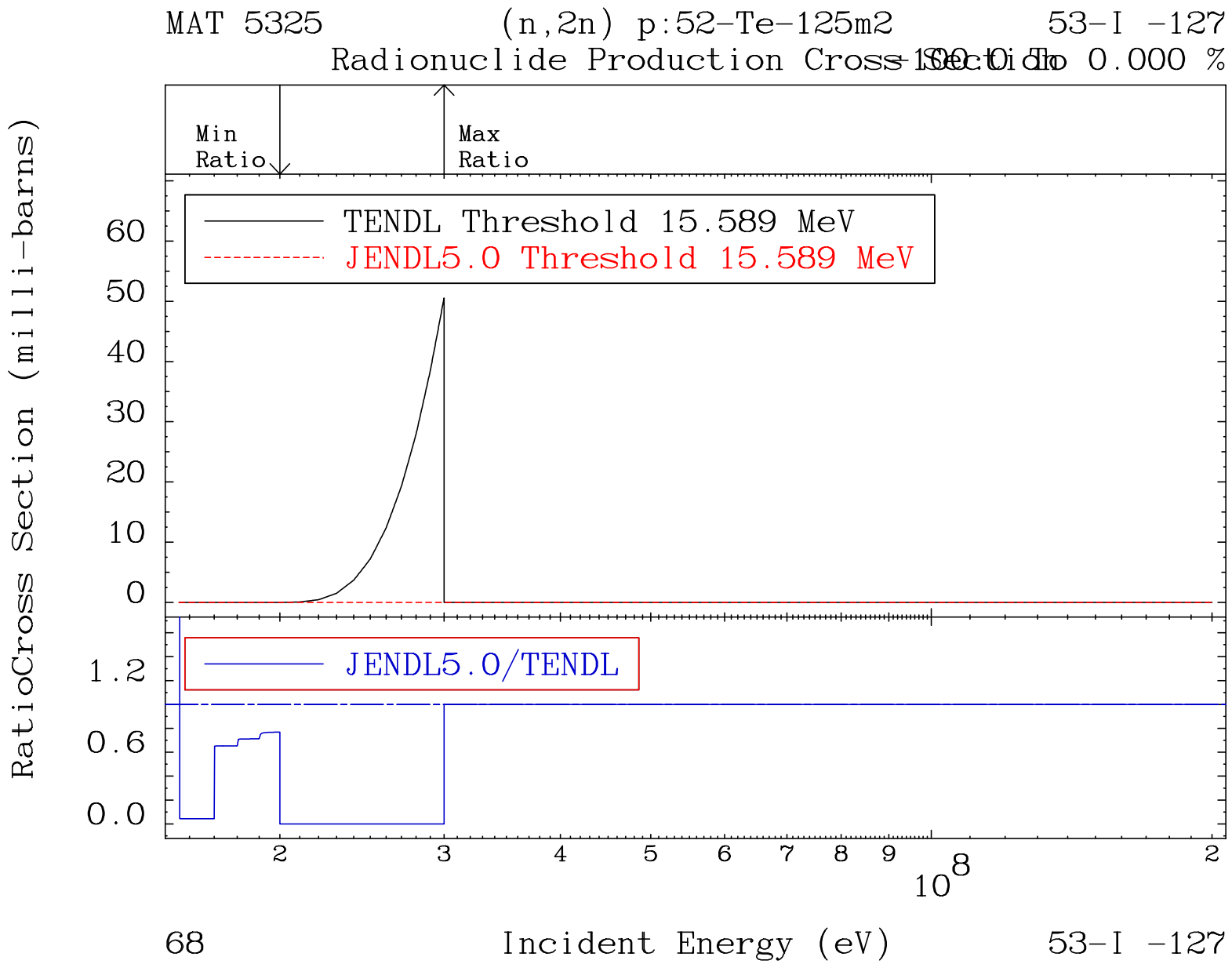

MAT 5325
Dpa inelastic (mt51-91)
53-I -127
Cross Section -100.0 To 179.2 %
Max Ratio
Min Ratio
TENDL Threshold 58.066 keV
JENDL5.0 Threshold 58.066 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
53-I -127

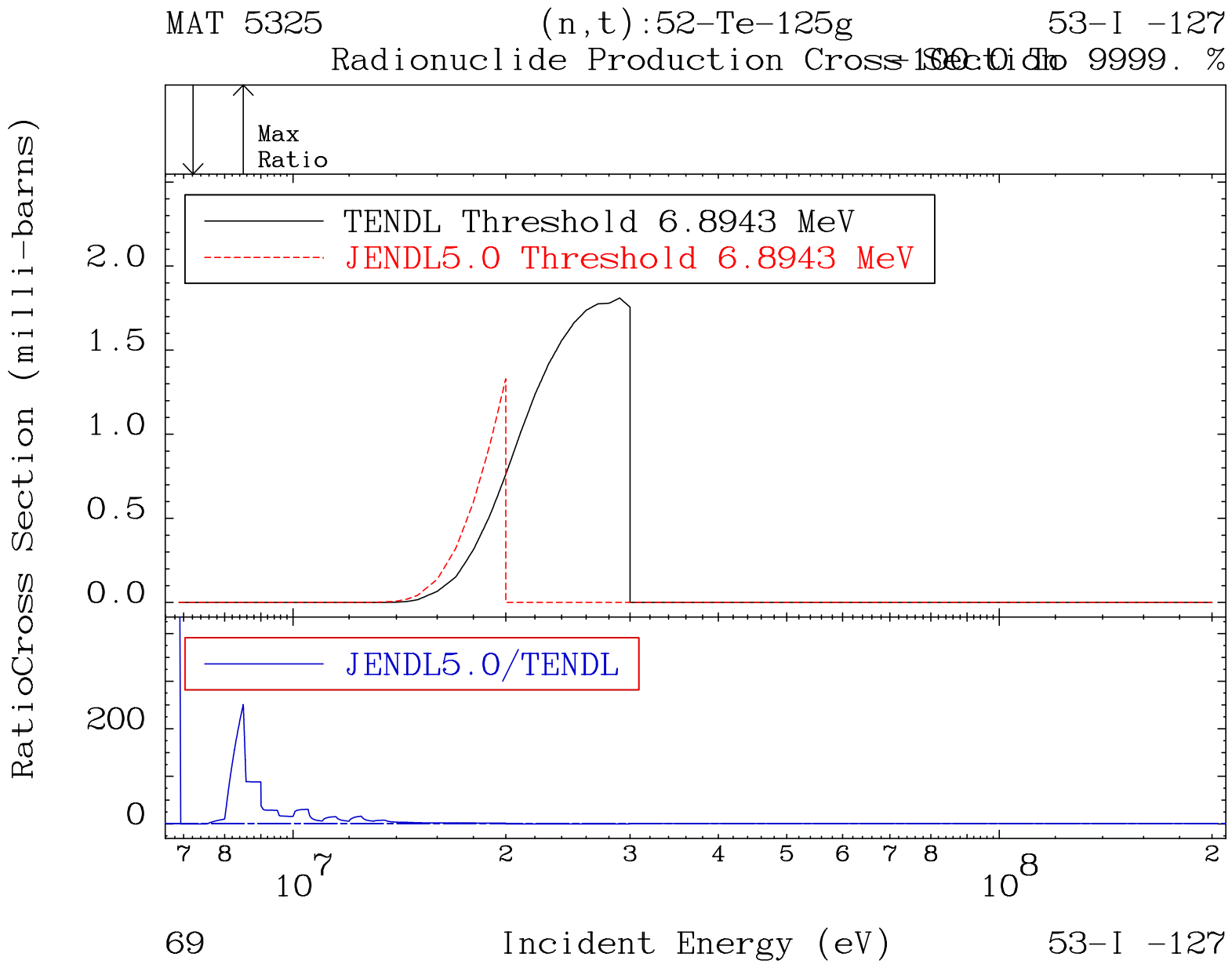

MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
53-I -127

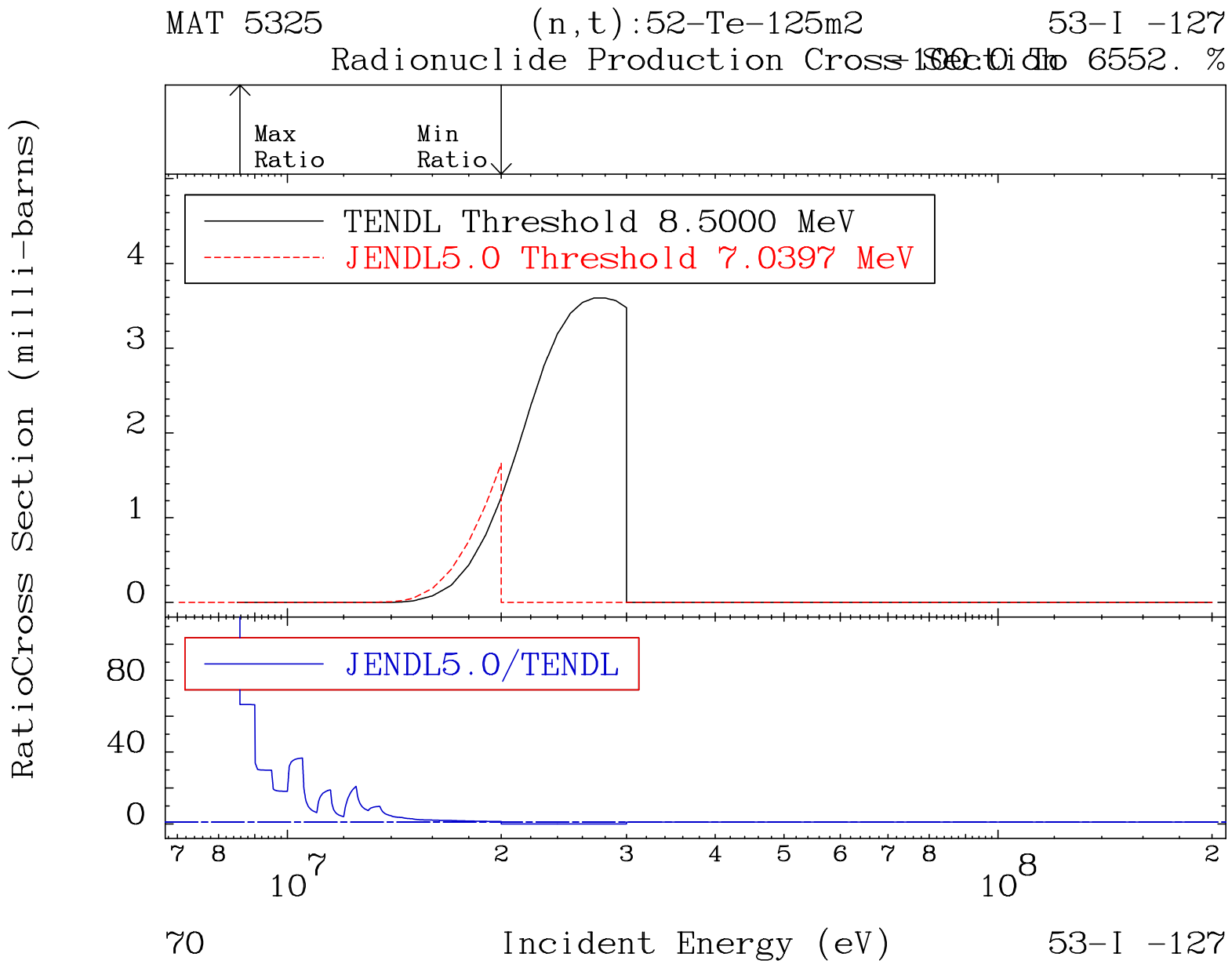

MAT 5325
(n,n') d:52-Te-125g
53-I -127
Radionuclide Production Cross Section To 1345. %
Max Ratio
Min Ratio
TENDL Threshold 13.201 MeV
JENDL5.0 Threshold 13.201 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
53-I -127


MAT 5325
(n,n') d:52-Te-125m2
53-I -127
Radionuclide Production Cross Section To 1384. %
Max Ratio
Min Ratio
TENDL Threshold 13.347 MeV
JENDL5.0 Threshold 13.347 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
53-I -127


MAT 5325
(n,2n) p:52-Te-125g
53-I -127
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 15.444 MeV
JENDL5.0 Threshold 15.444 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2
0
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
53-I -127


MAT 5325
(n,2n) p:52-Te-125m2
53-I -127
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.589 MeV
JENDL5.0 Threshold 15.589 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
53-I -127


MAT 5325
(n,t):52-Te-125g
53-I -127
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 6.8943 MeV
JENDL5.0 Threshold 6.8943 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
200
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
69
Incident Energy (eV)
53-I -127


MAT 5325
(n,t):52-Te-125m2
53-I -127
Radionuclide Production Cross Section To
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JENDL5.0 Threshold 7.0397 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
53-I -127