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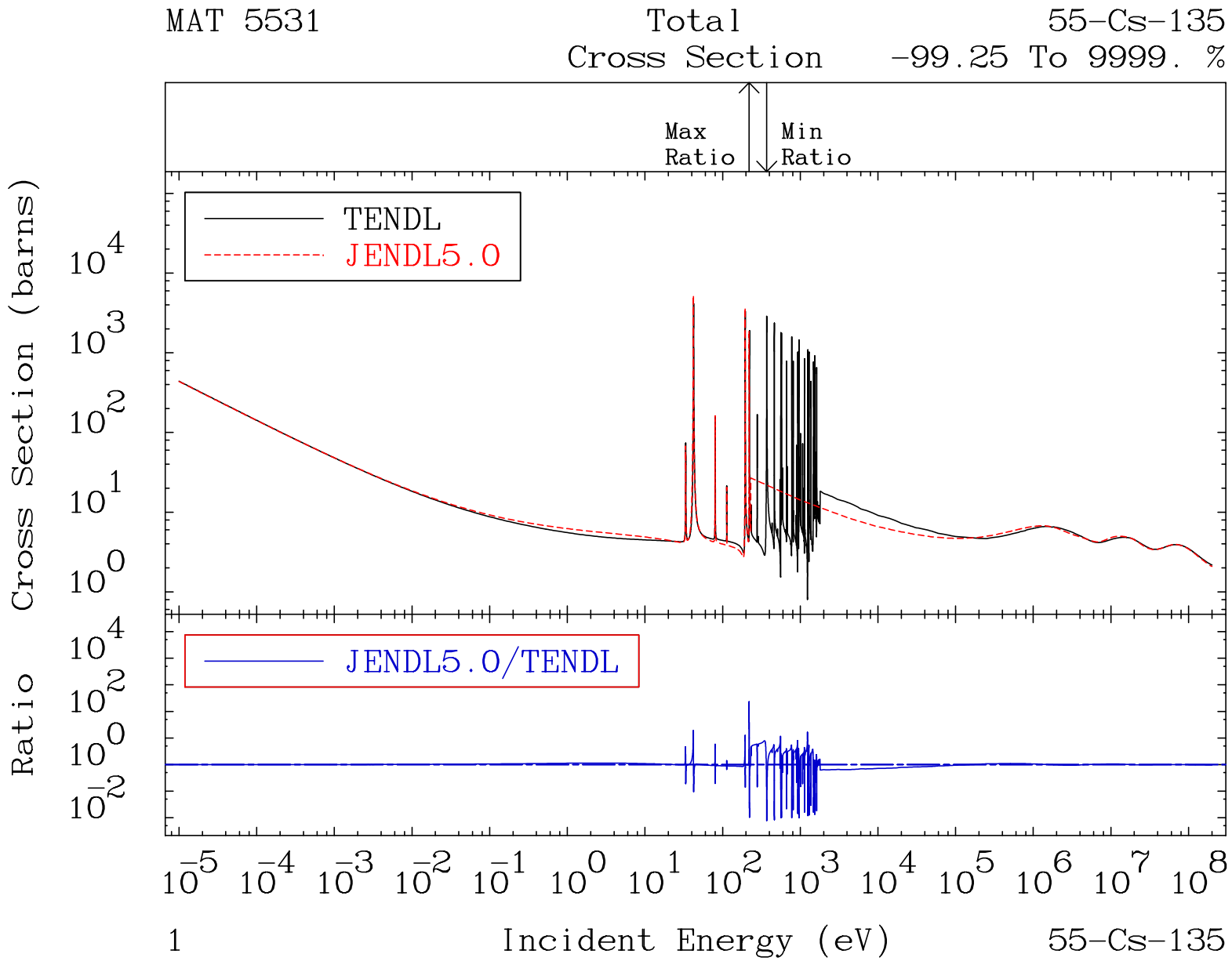
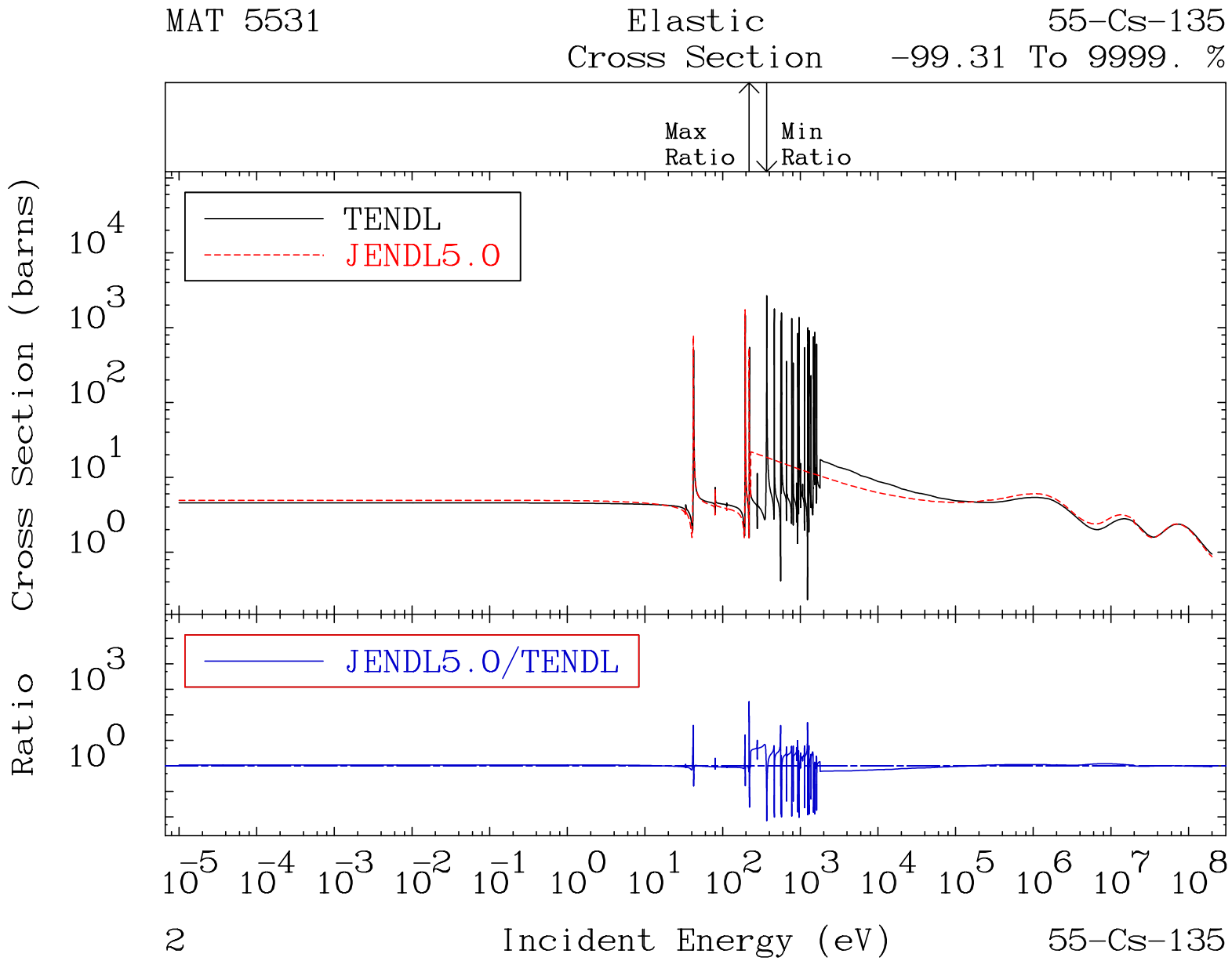
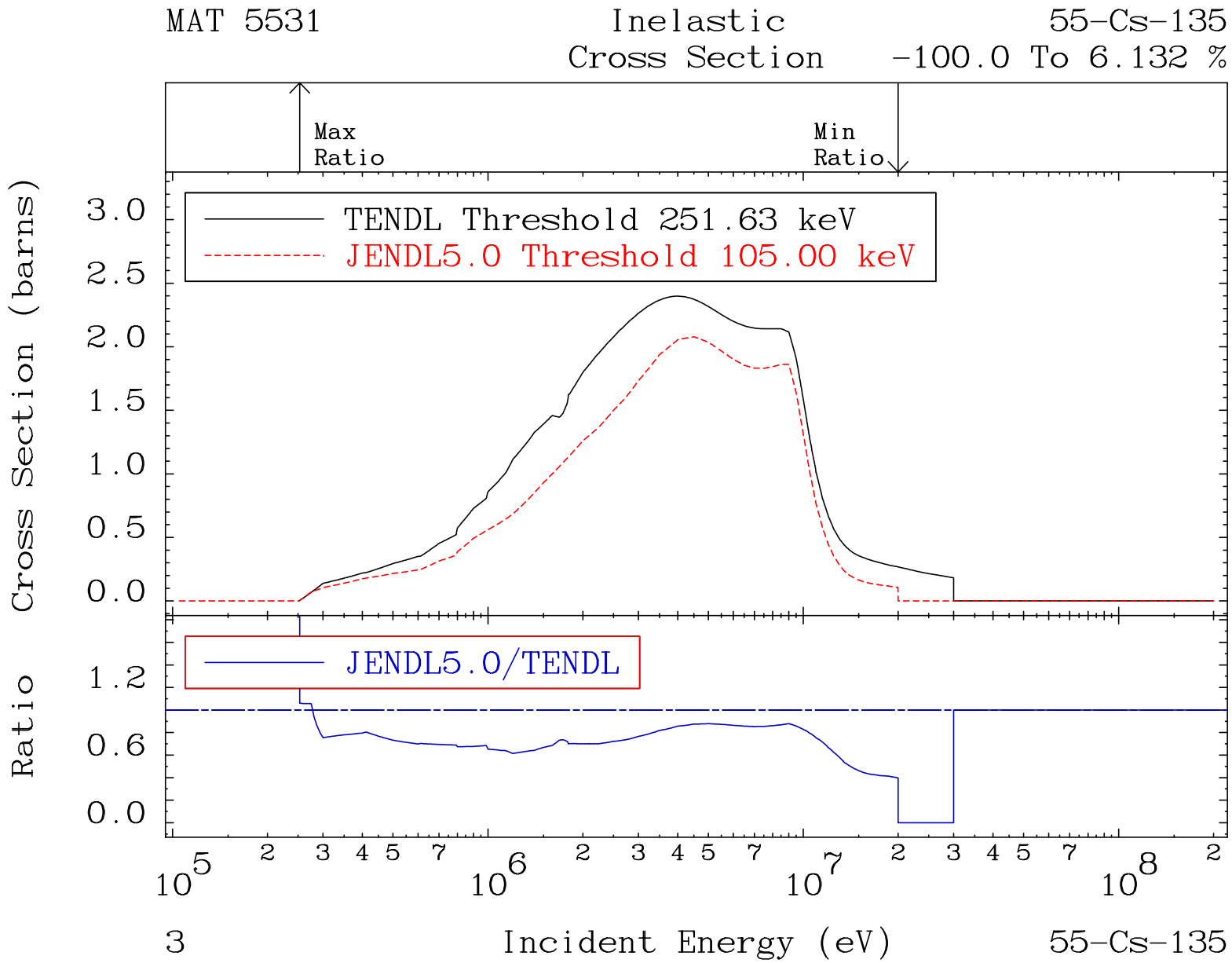
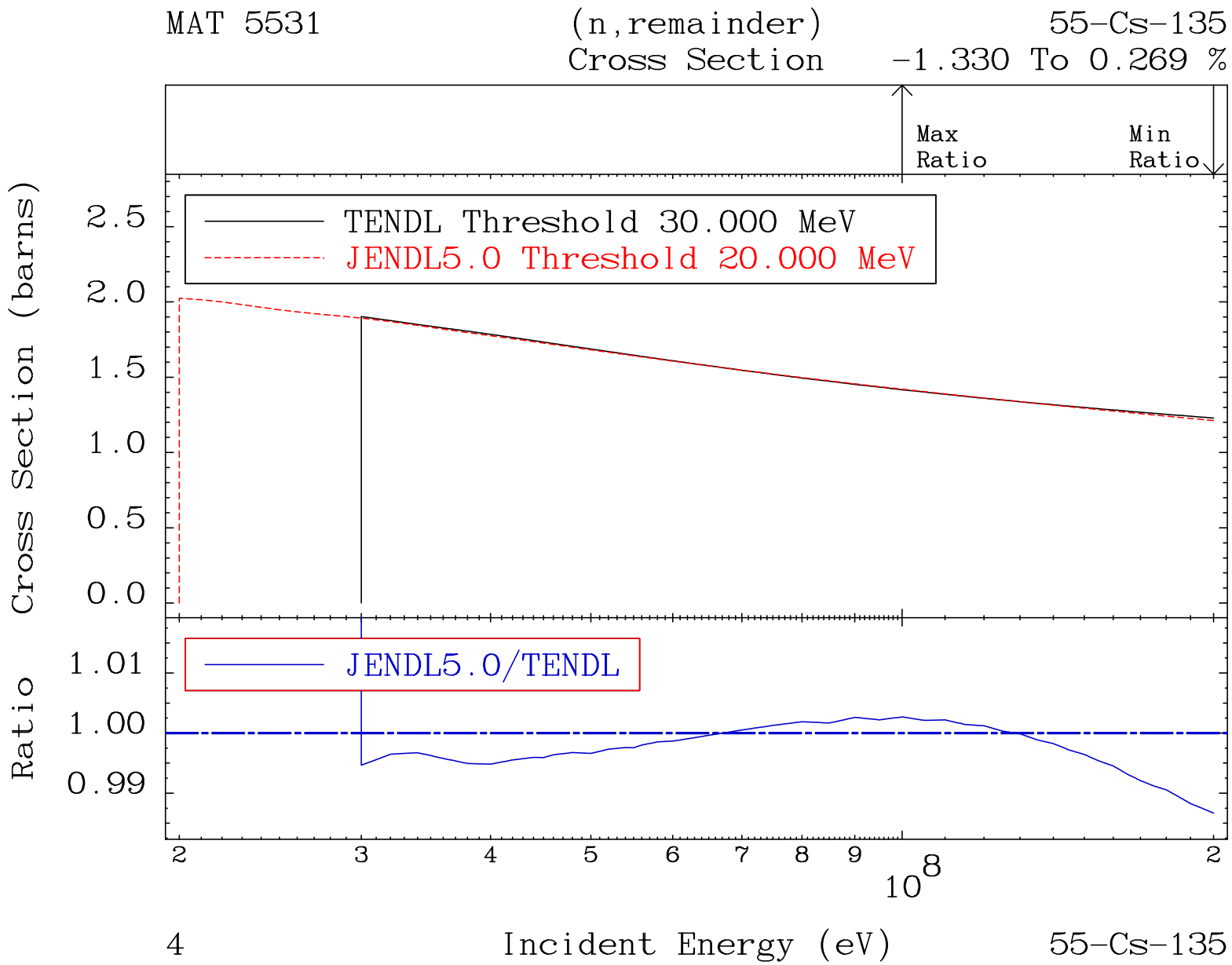
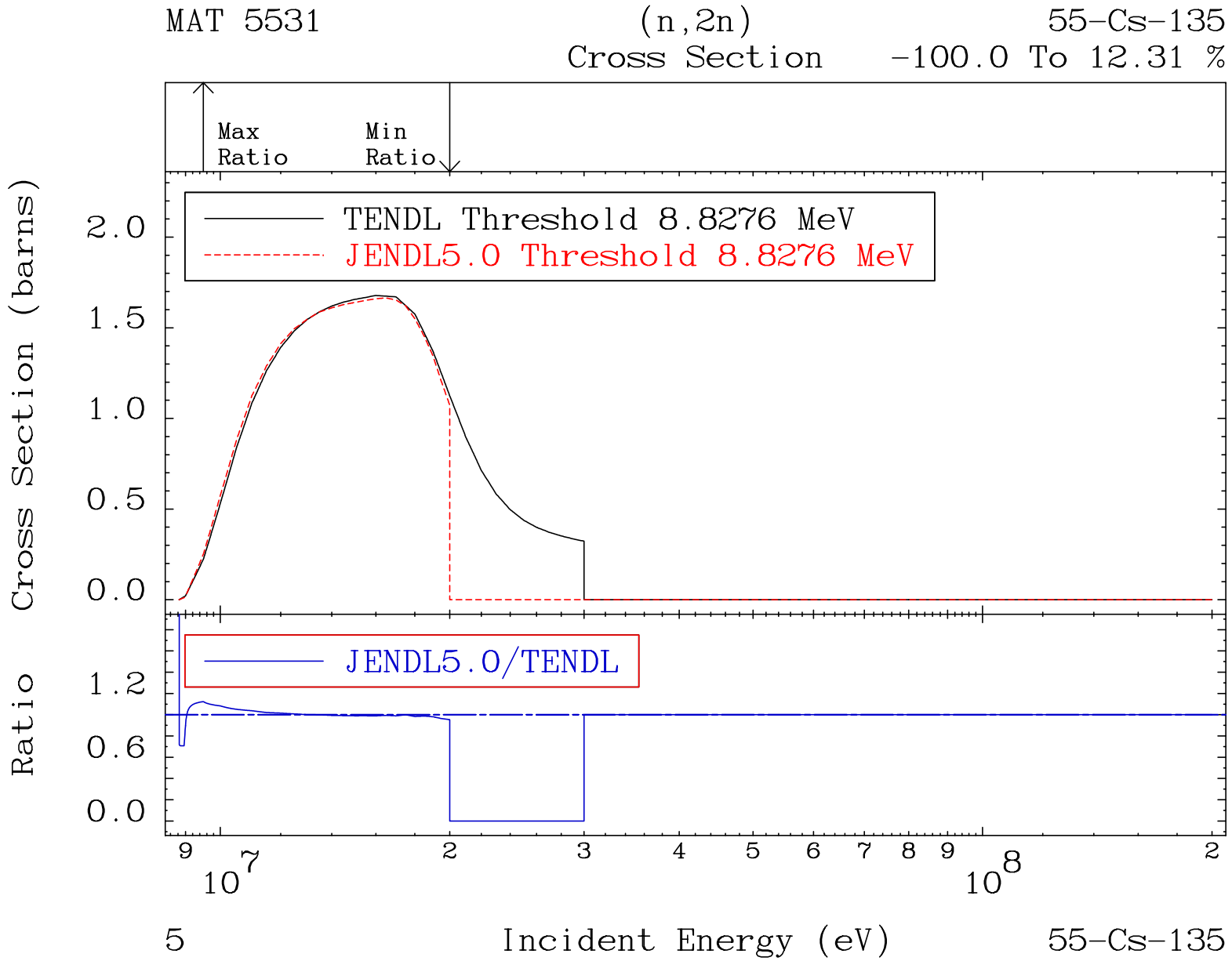
Press Mouse Button to Start

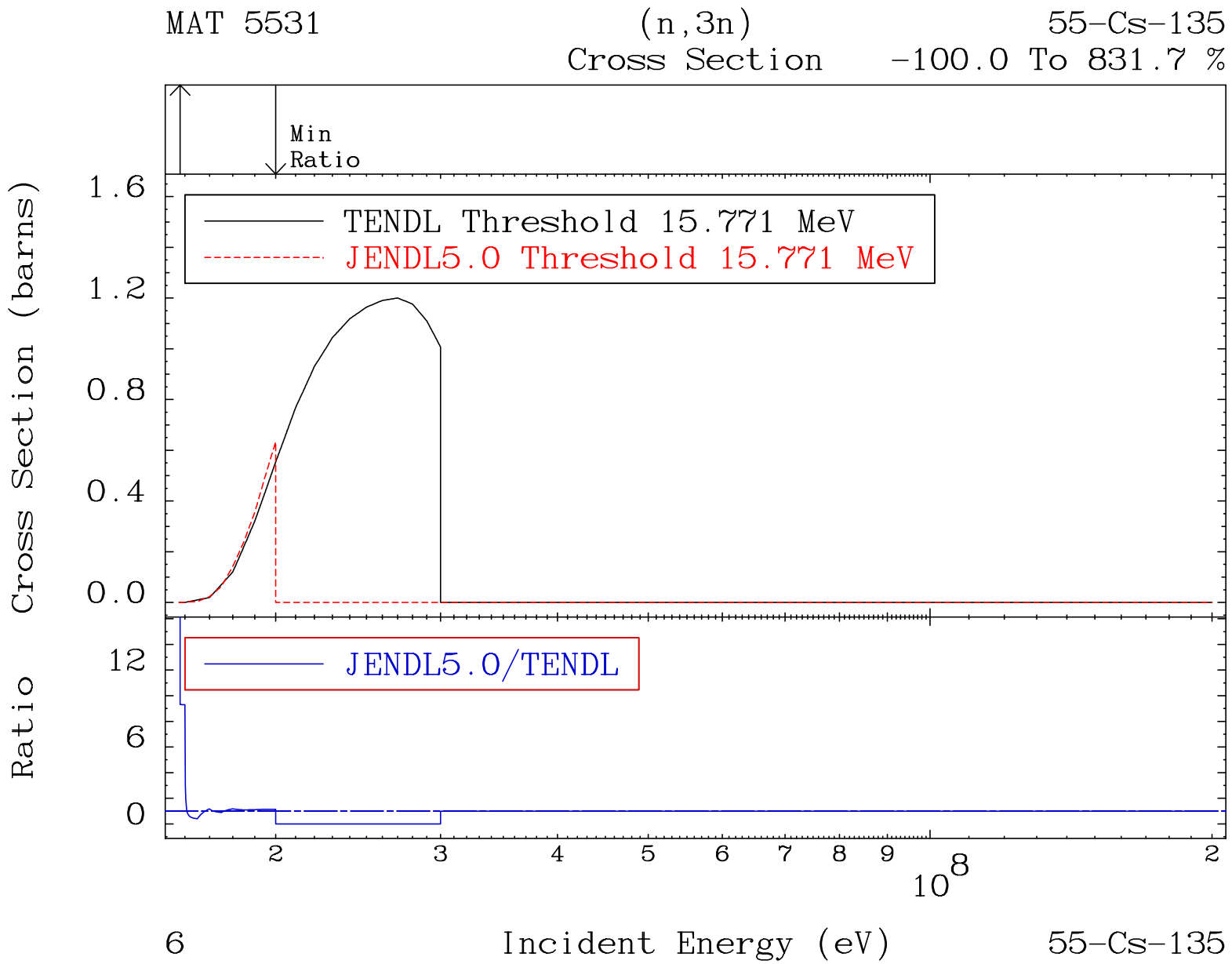

MAT 5531
Total
Cross Section
55-Cs-135
-99.25 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
55-Cs-135

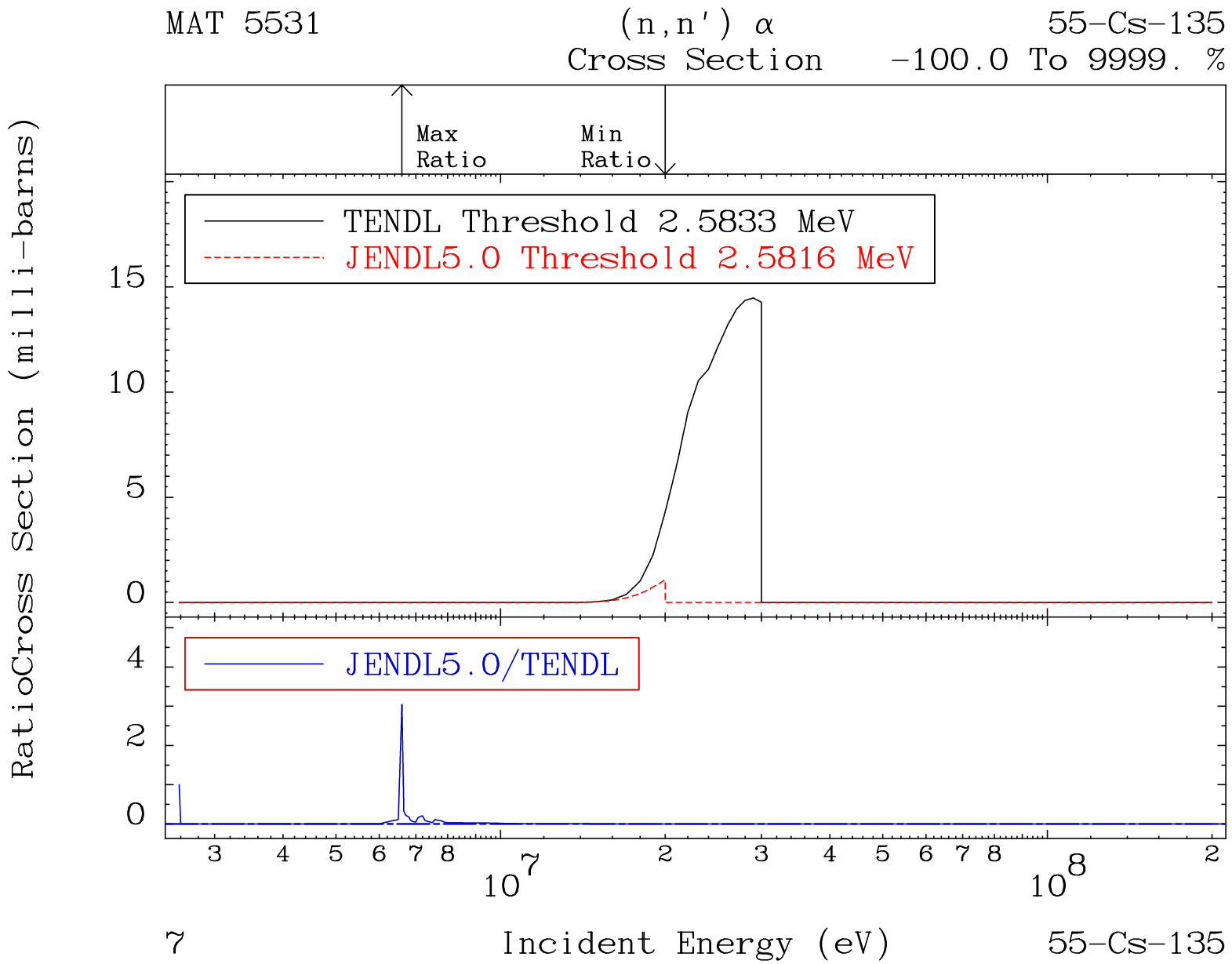

MAT 5531
Elastic
Cross Section
55-Cs-135
-99.31 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
55-Cs-135

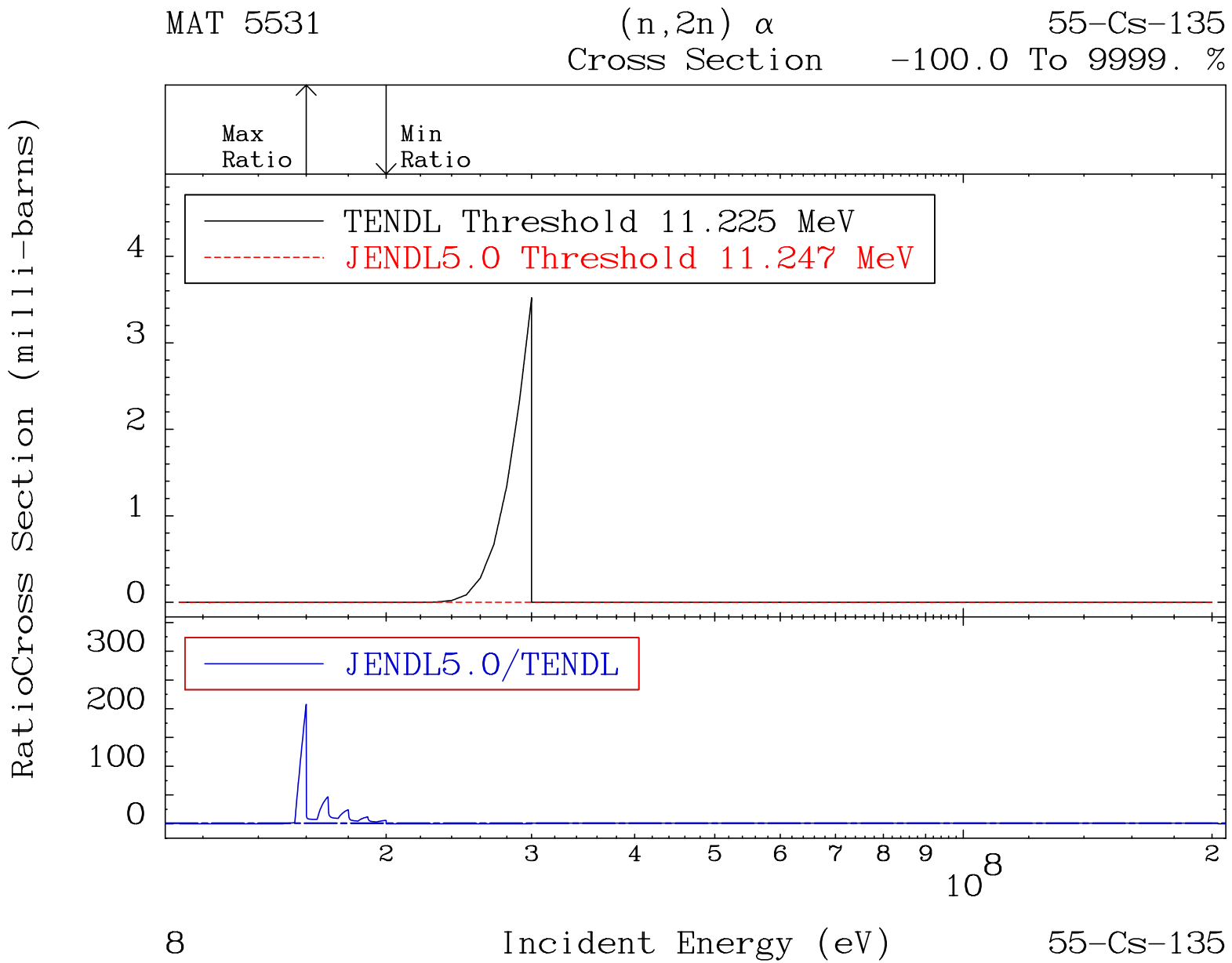

MAT 5531
Inelastic
Cross Section
55-Cs-135
-100.0 To 6.132 %
Max
Ratio
Min
Ratio
TENDL Threshold 251.63 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
55-Cs-135

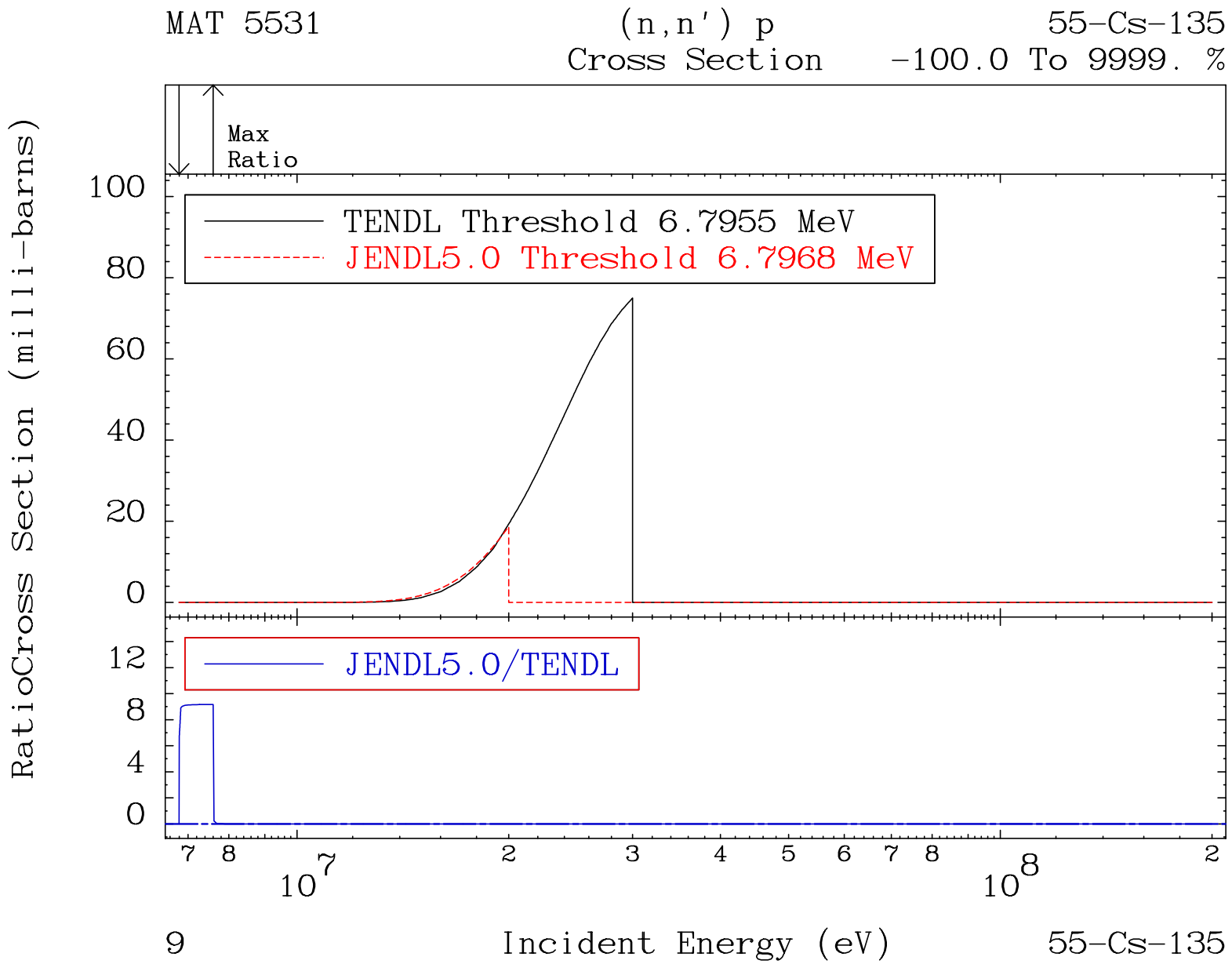

MAT 5531
(n,remainder)
Cross Section
55-Cs-135
-1.330 To 0.269 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
55-Cs-135

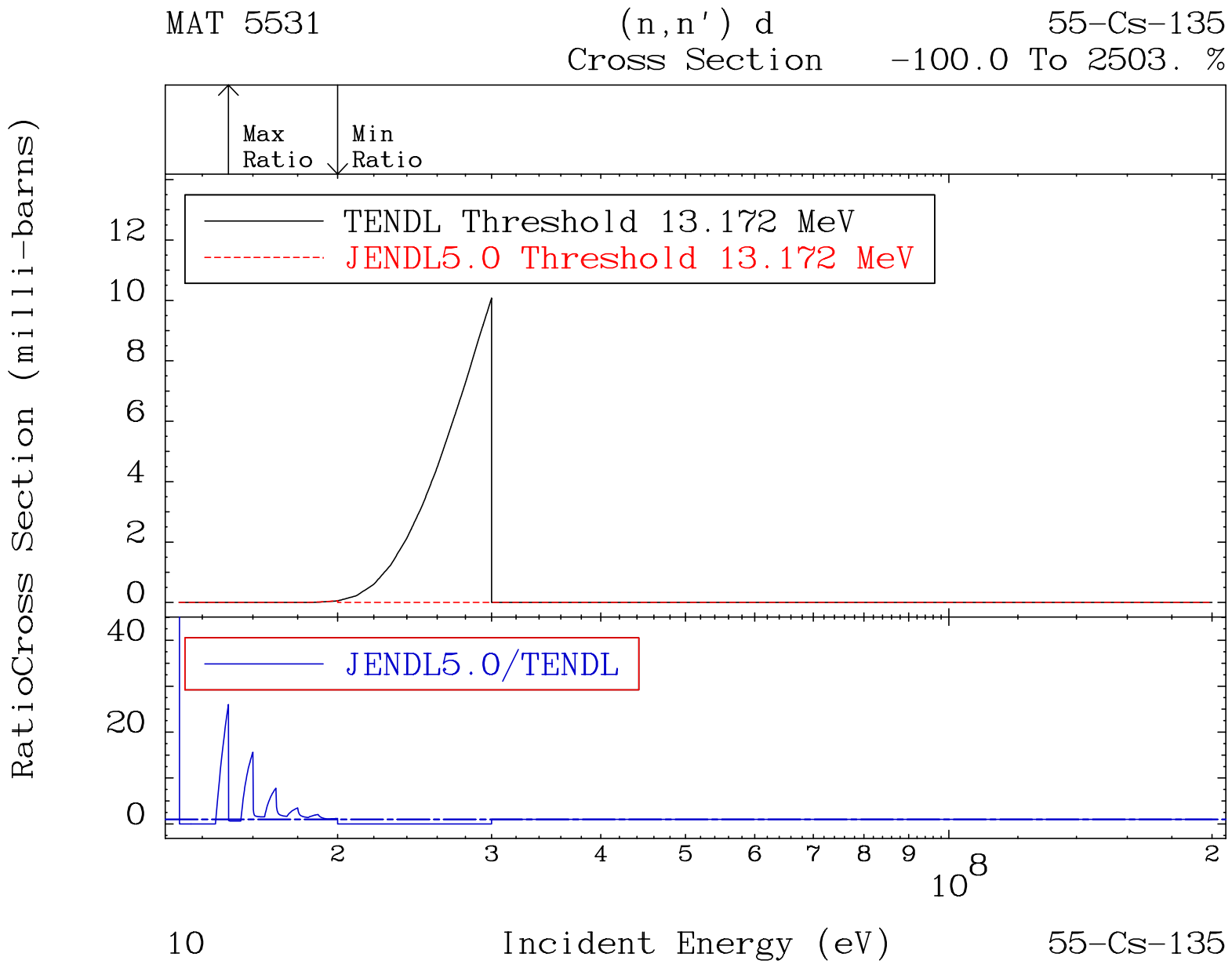

MAT 5531
(n,2n)
Cross Section
55-Cs-135
-100.0 To 12.31 %
Max Ratio
Min Ratio
TENDL Threshold 8.8276 MeV
JENDL5.0 Threshold 8.8276 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
55-Cs-135

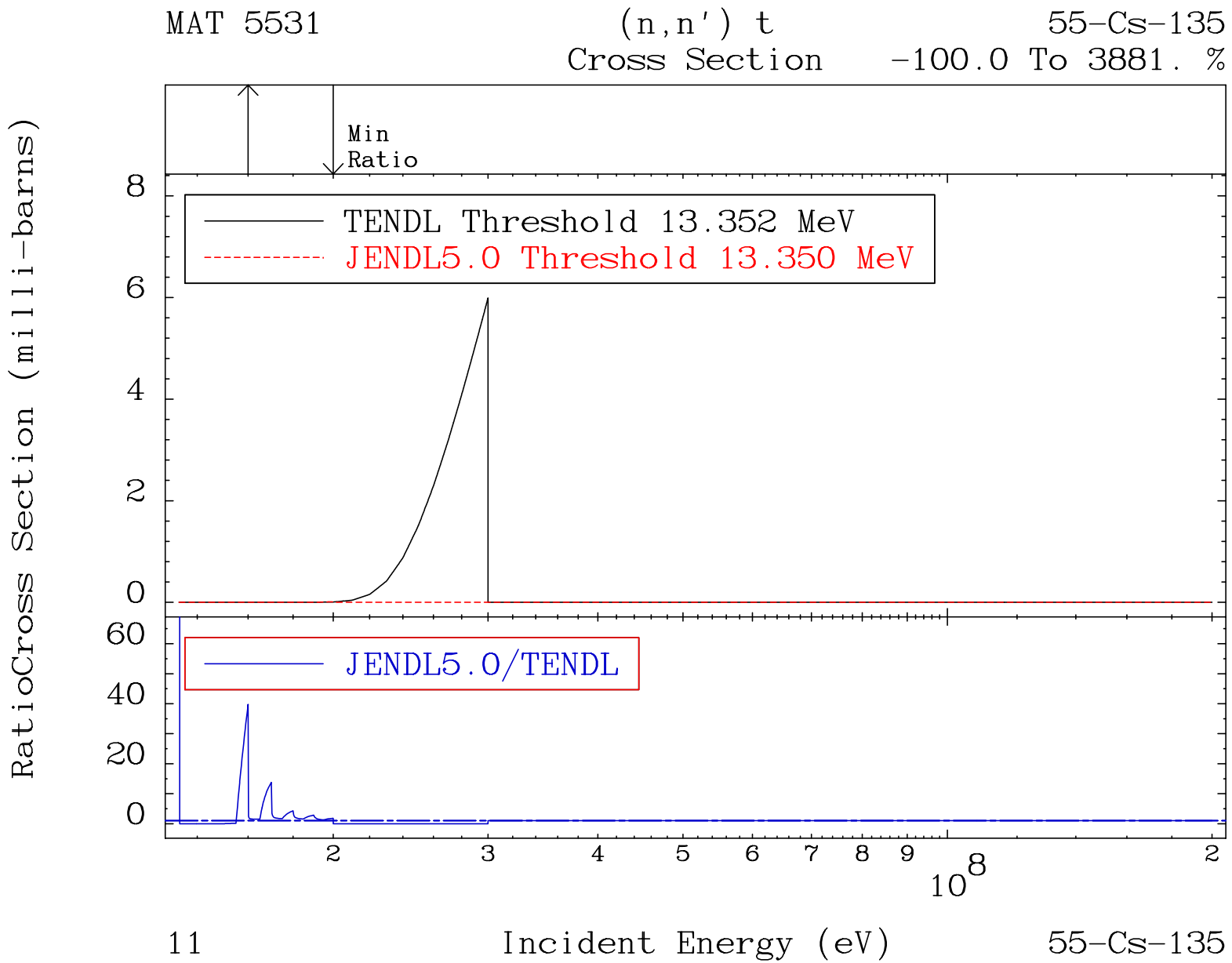

MAT 5531
(n,3n)
55-Cs-135
Cross Section
-100.0 To 831.7 %
Min
Ratio
1.6
1.2
0.8
0.4
0.0
TENDL Threshold 15.771 MeV
JENDL5.0 Threshold 15.771 MeV
Cross Section (barns)
12
6
0
JENDL5.0/TENDL
Ratio
2
3
4
5
6
7
8
9
2
10^8
6
Incident Energy (eV)
55-Cs-135

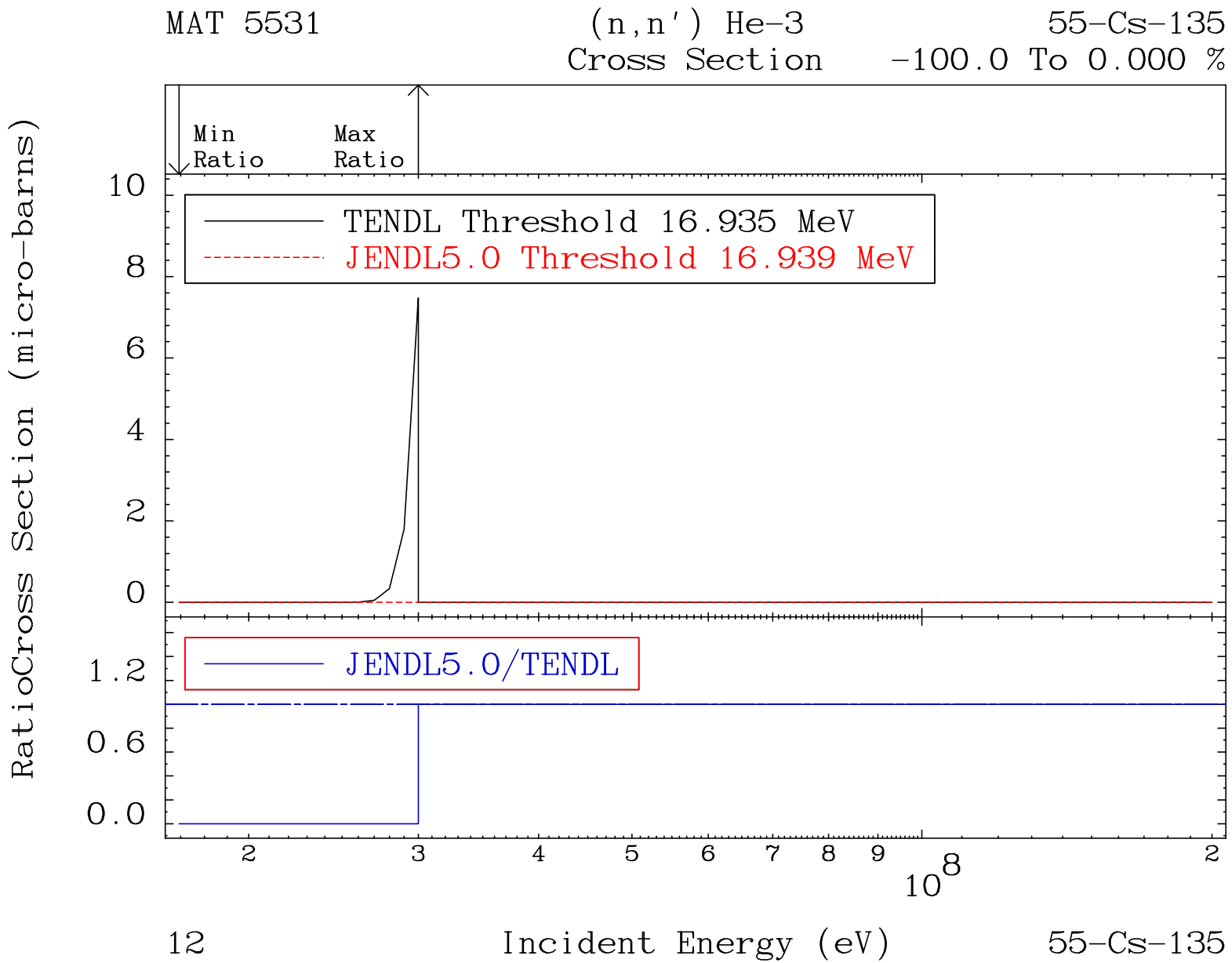

MAT 5531
(n,n') α
Cross Section
55-Cs-135
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5833 MeV
JENDL5.0 Threshold 2.5816 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55-Cs-135

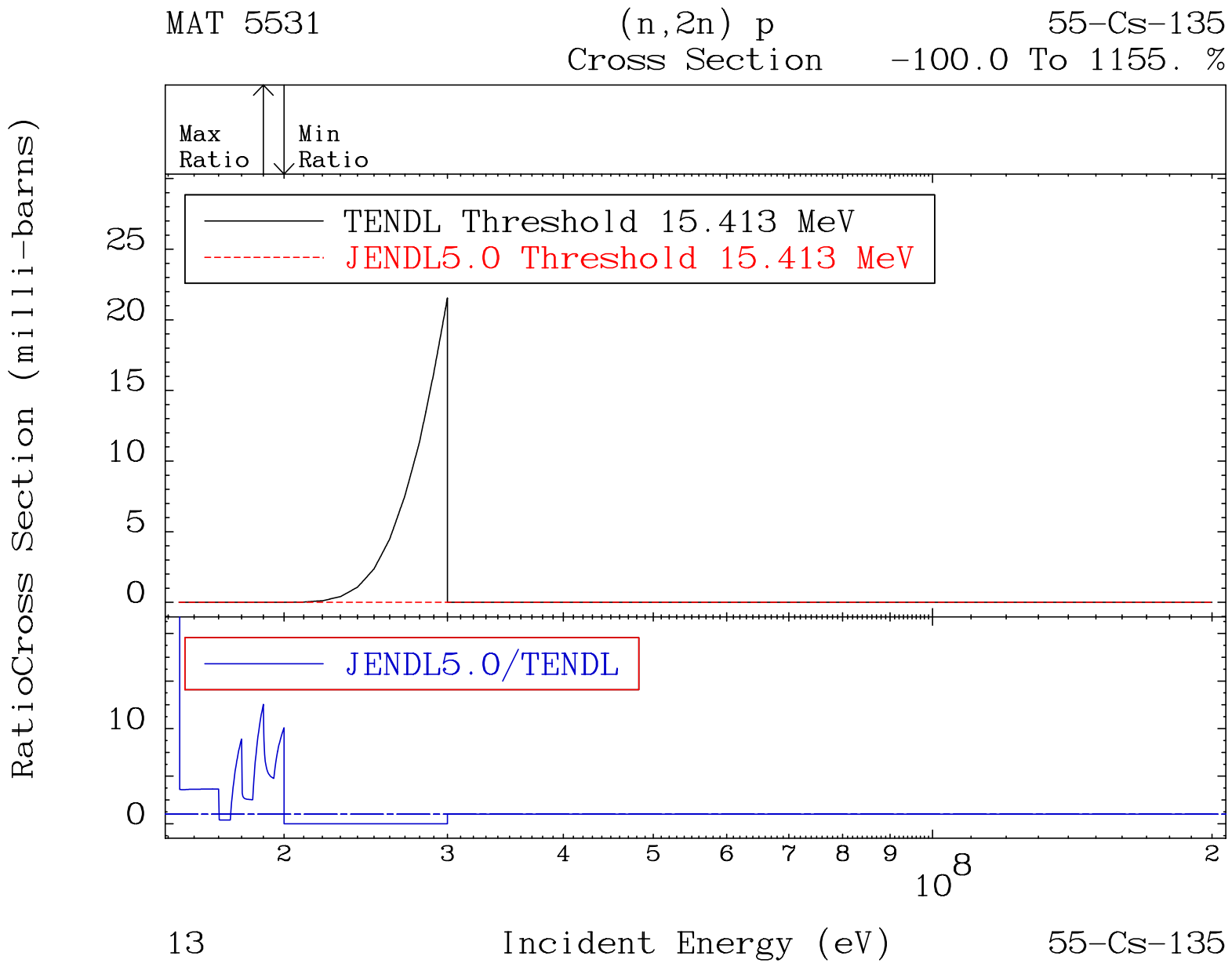

MAT 5531
(n,2n) α
Cross Section
55-Cs-135
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.225 MeV
JENDL5.0 Threshold 11.247 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
0
100
200
300
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
55-Cs-135

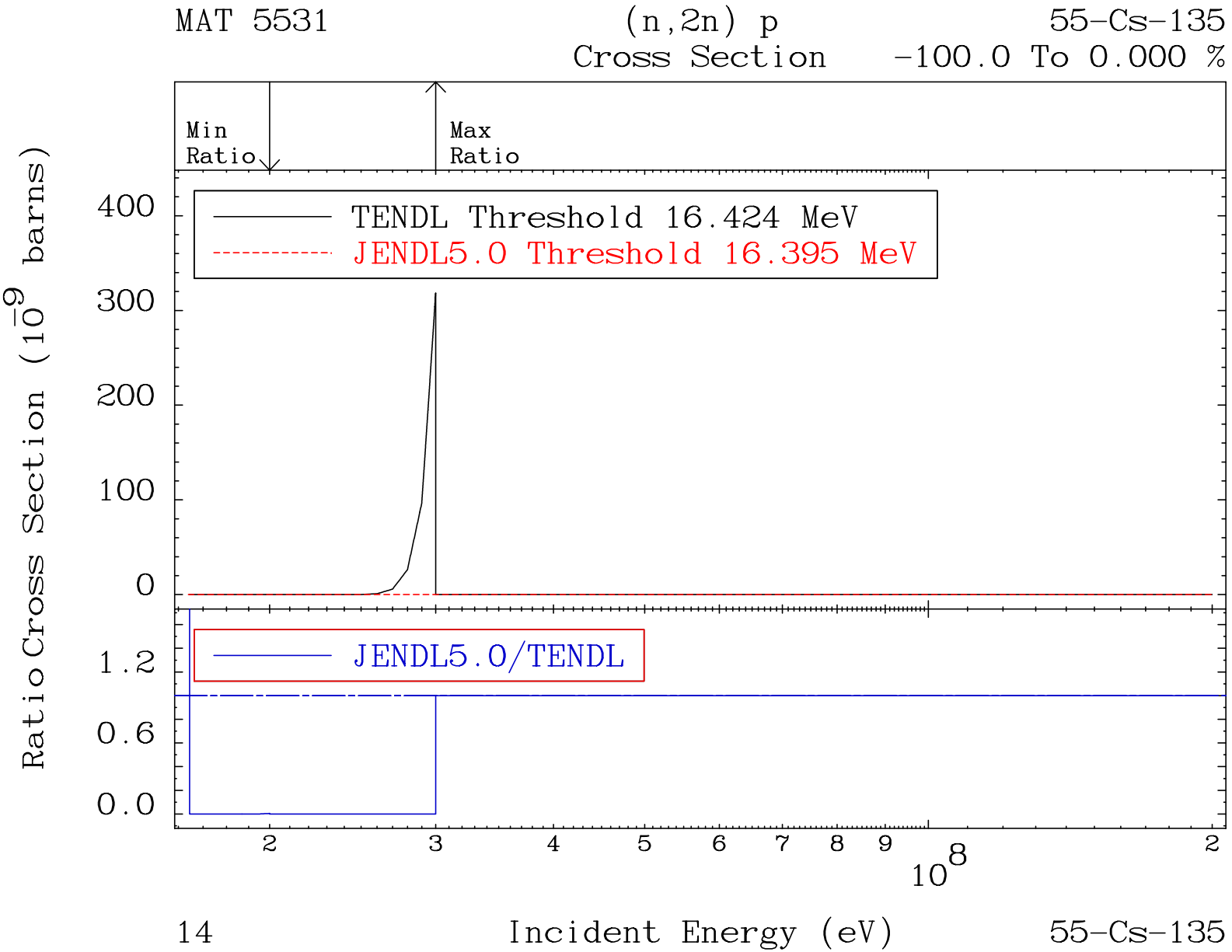

MAT 5531
(n,n') p
Cross Section
55-Cs-135
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.7955 MeV
JENDL5.0 Threshold 6.7968 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55-Cs-135
9

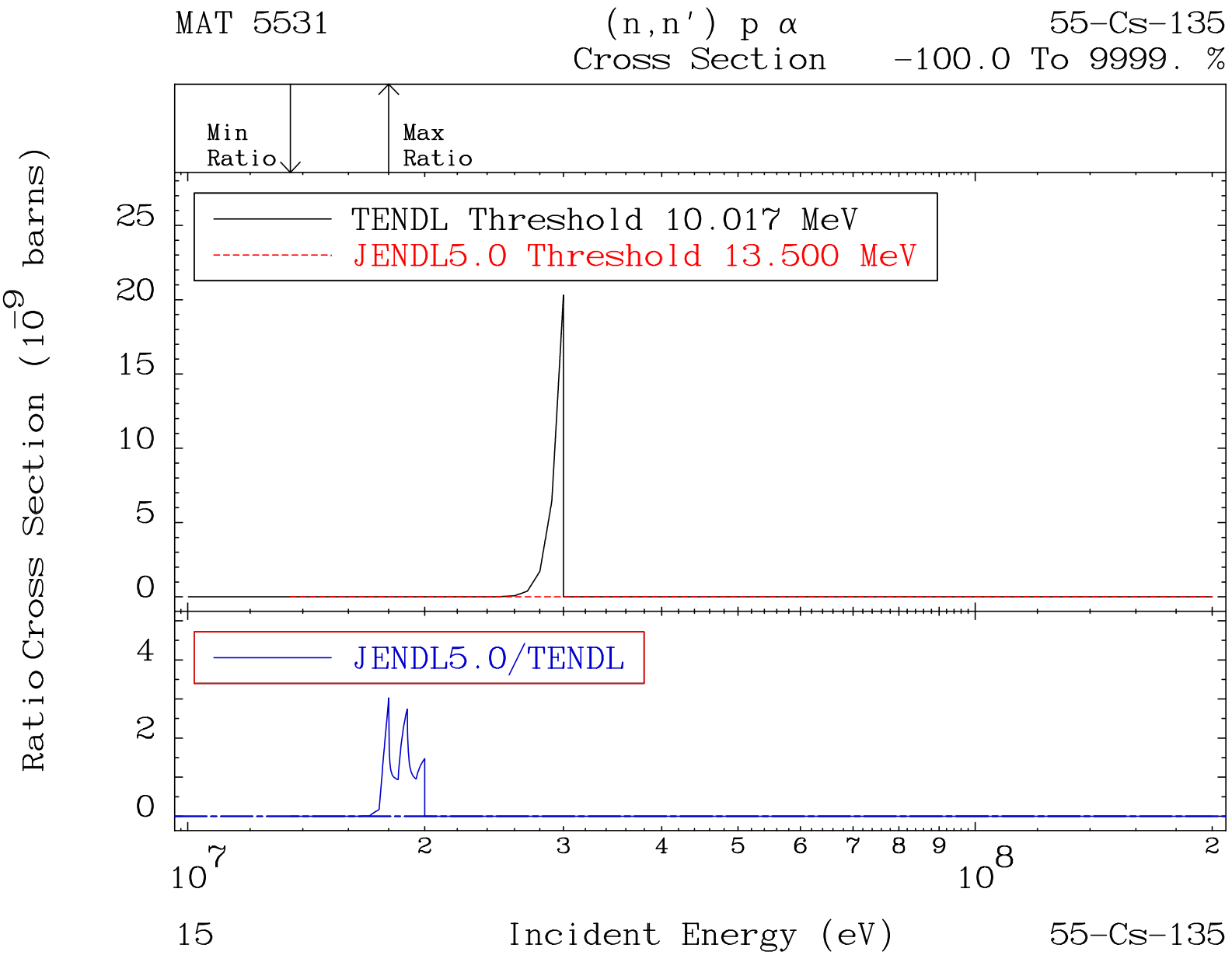

MAT 5531
(n,n') d
55-Cs-135
Cross Section
-100.0 To 2503. %
Max Ratio
Min Ratio
TENDL Threshold 13.172 MeV
JENDL5.0 Threshold 13.172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
55-Cs-135

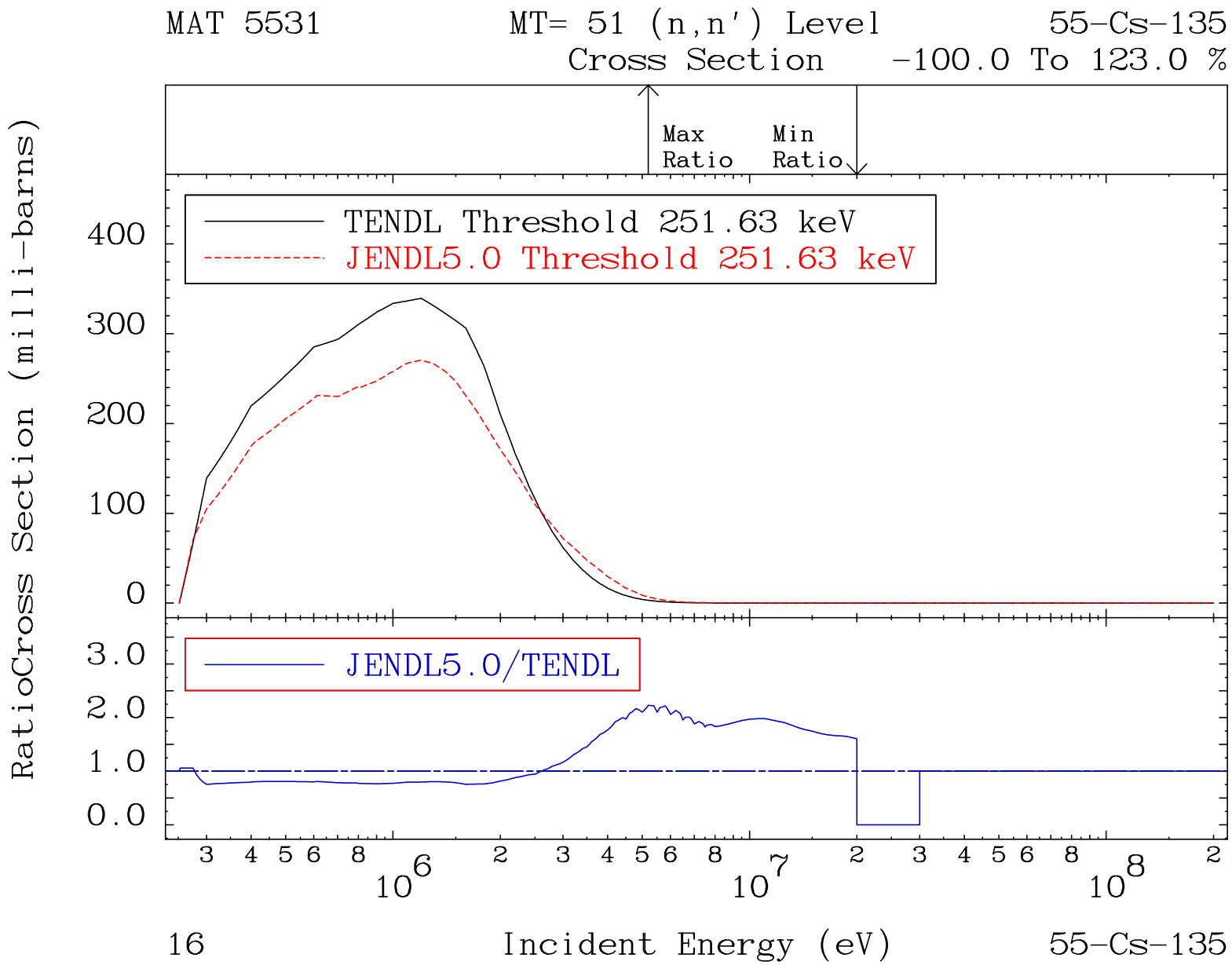

MAT 5531
(n,n') t
Cross Section
55-Cs-135
-100.0 To 3881. %
Min
Ratio
TENDL Threshold 13.352 MeV
JENDL5.0 Threshold 13.350 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
55-Cs-135

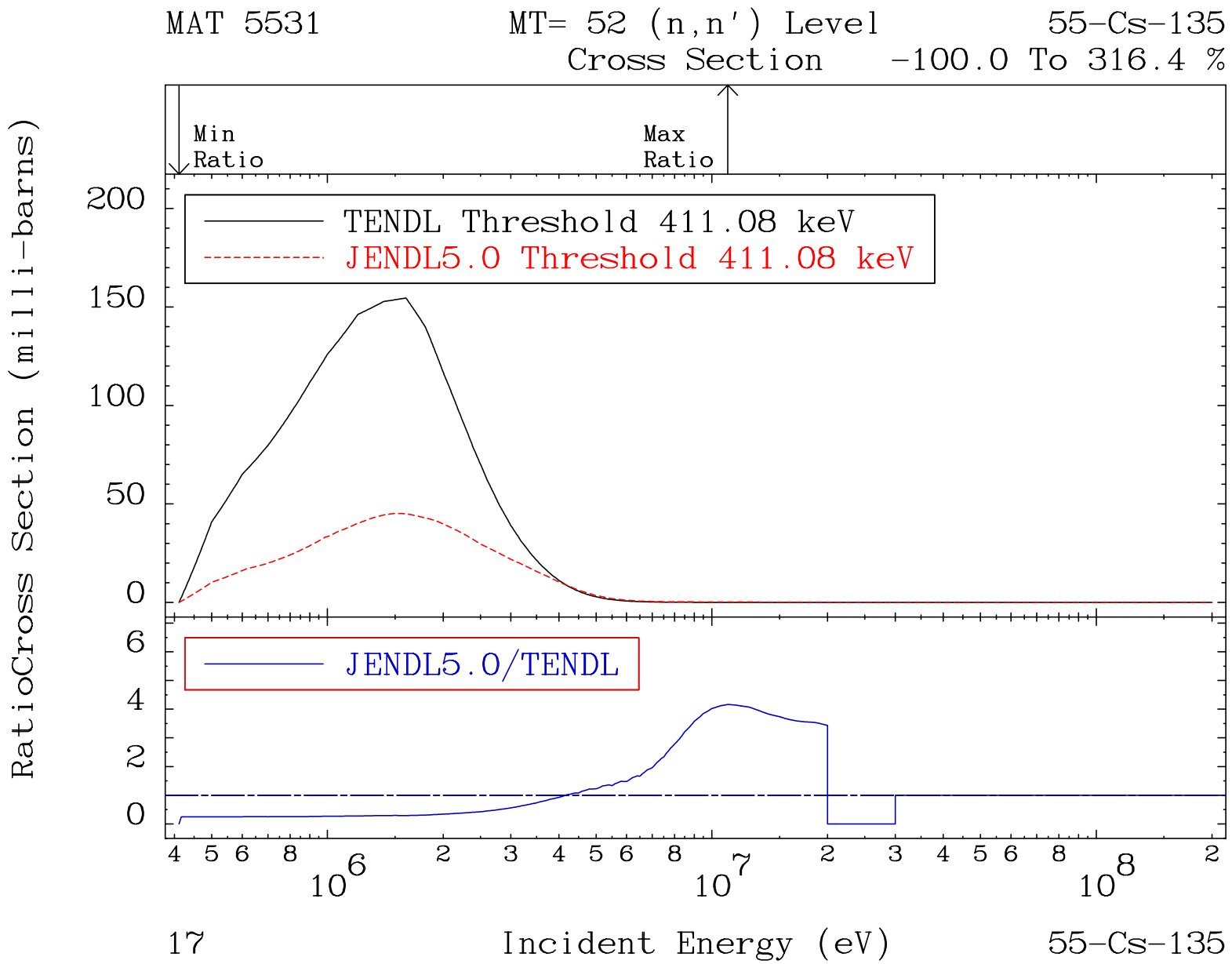

MAT 5531
(n,n') He-3
Cross Section
55-Cs-135
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.935 MeV
JENDL5.0 Threshold 16.939 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
55-Cs-135

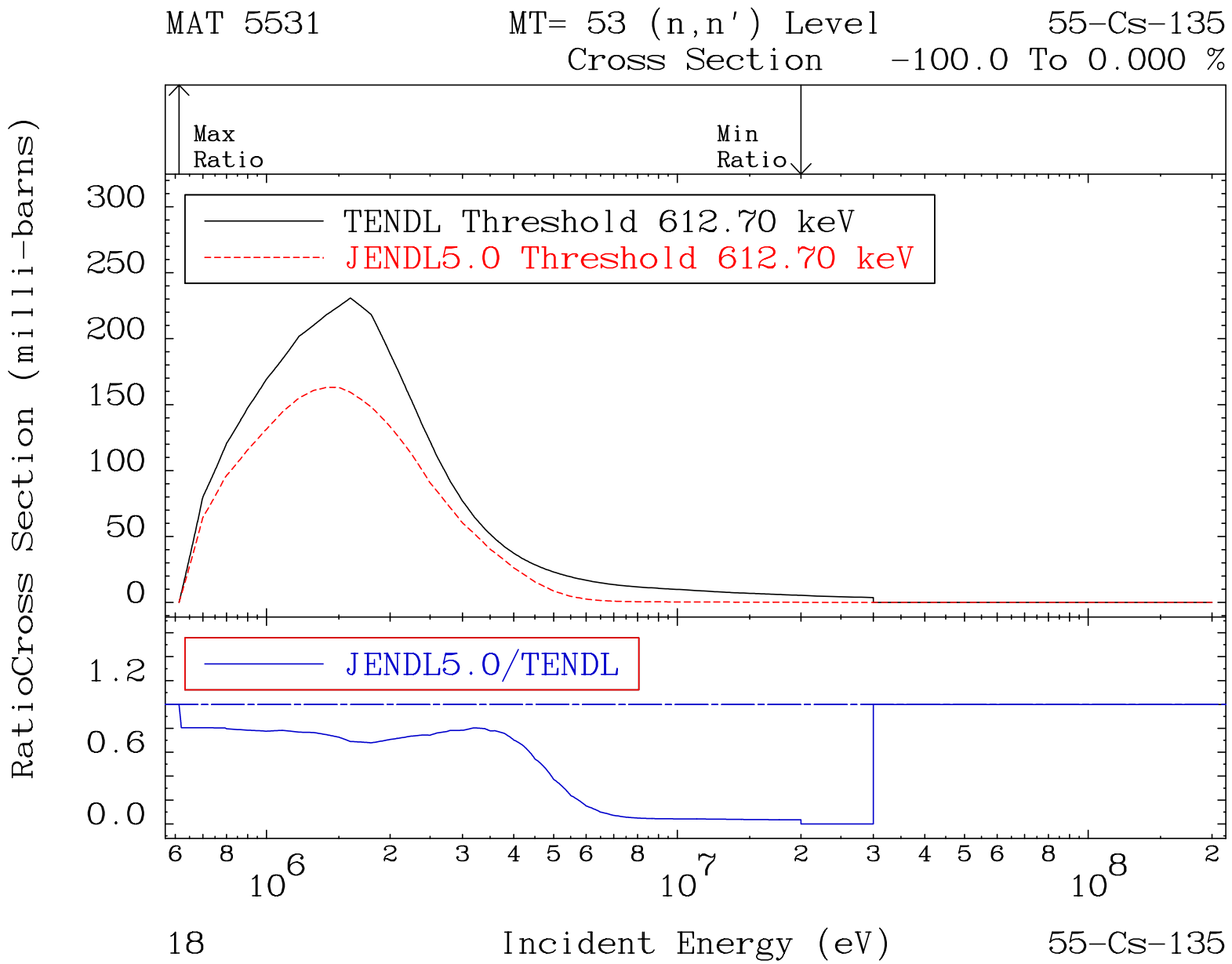

MAT 5531
(n,2n) p
Cross Section
55-Cs-135
-100.0 To 1155. %
Max Ratio
Min Ratio
TENDL Threshold 15.413 MeV
JENDL5.0 Threshold 15.413 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10
0
2
3
4
5
6
7
8
9
2
10^8
13
Incident Energy (eV)
55-Cs-135

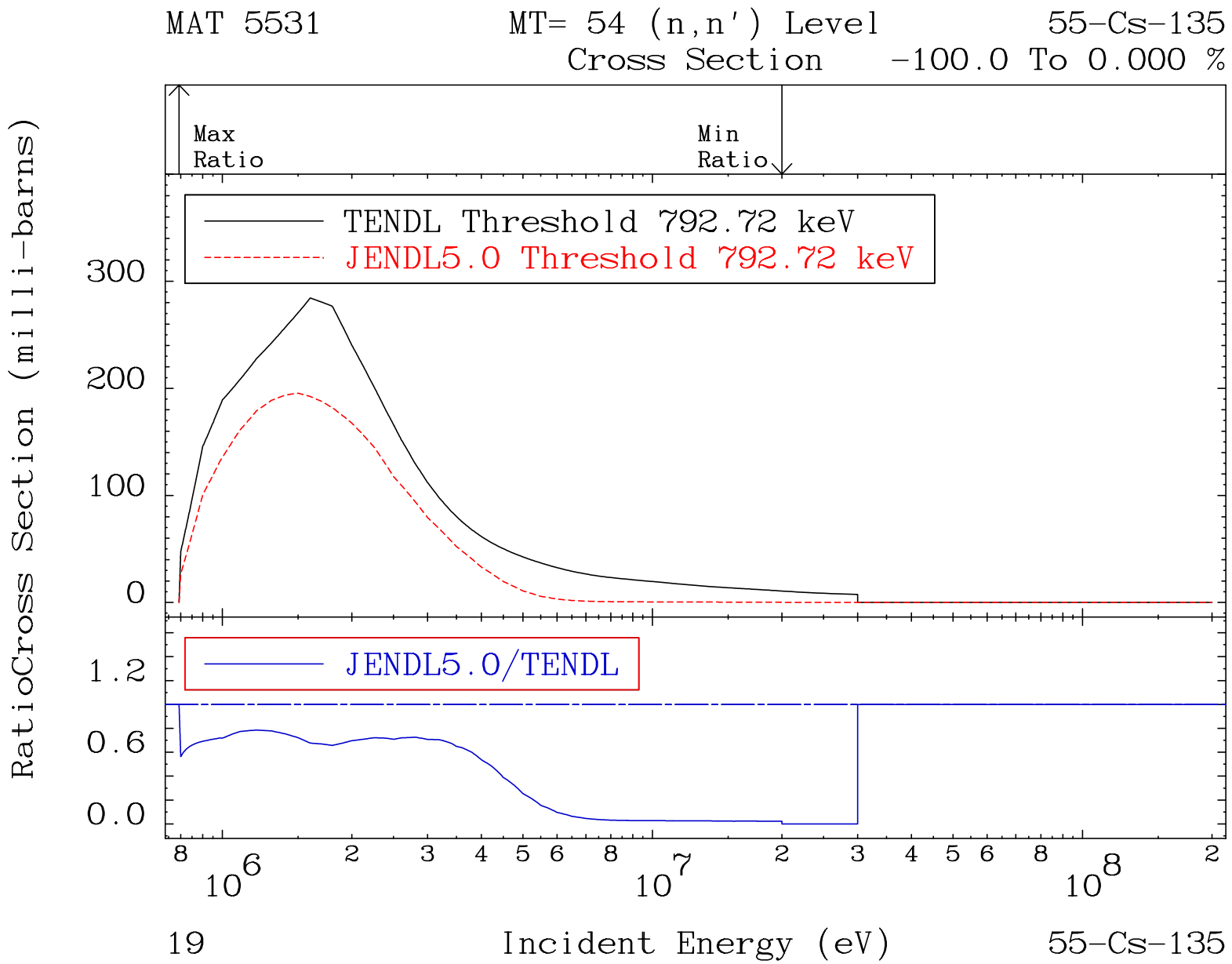

MAT 5531
(n,2n) p
55-Cs-135
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.424 MeV
JENDL5.0 Threshold 16.395 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
55-Cs-135

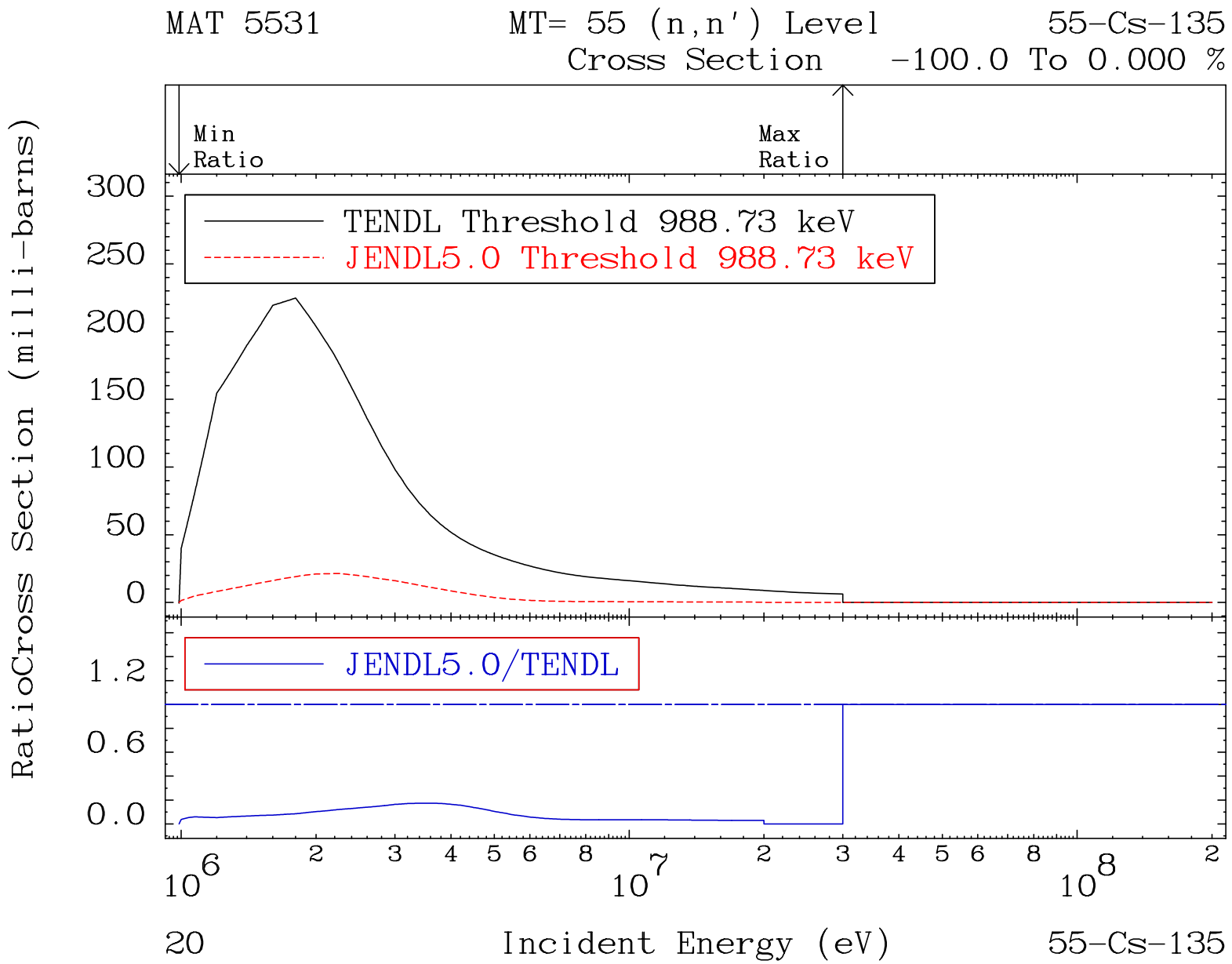

MAT 5531
(n,n') p α
55-Cs-135
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.017 MeV
JENDL5.0 Threshold 13.500 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
25
20
15
10
5
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
55-Cs-135

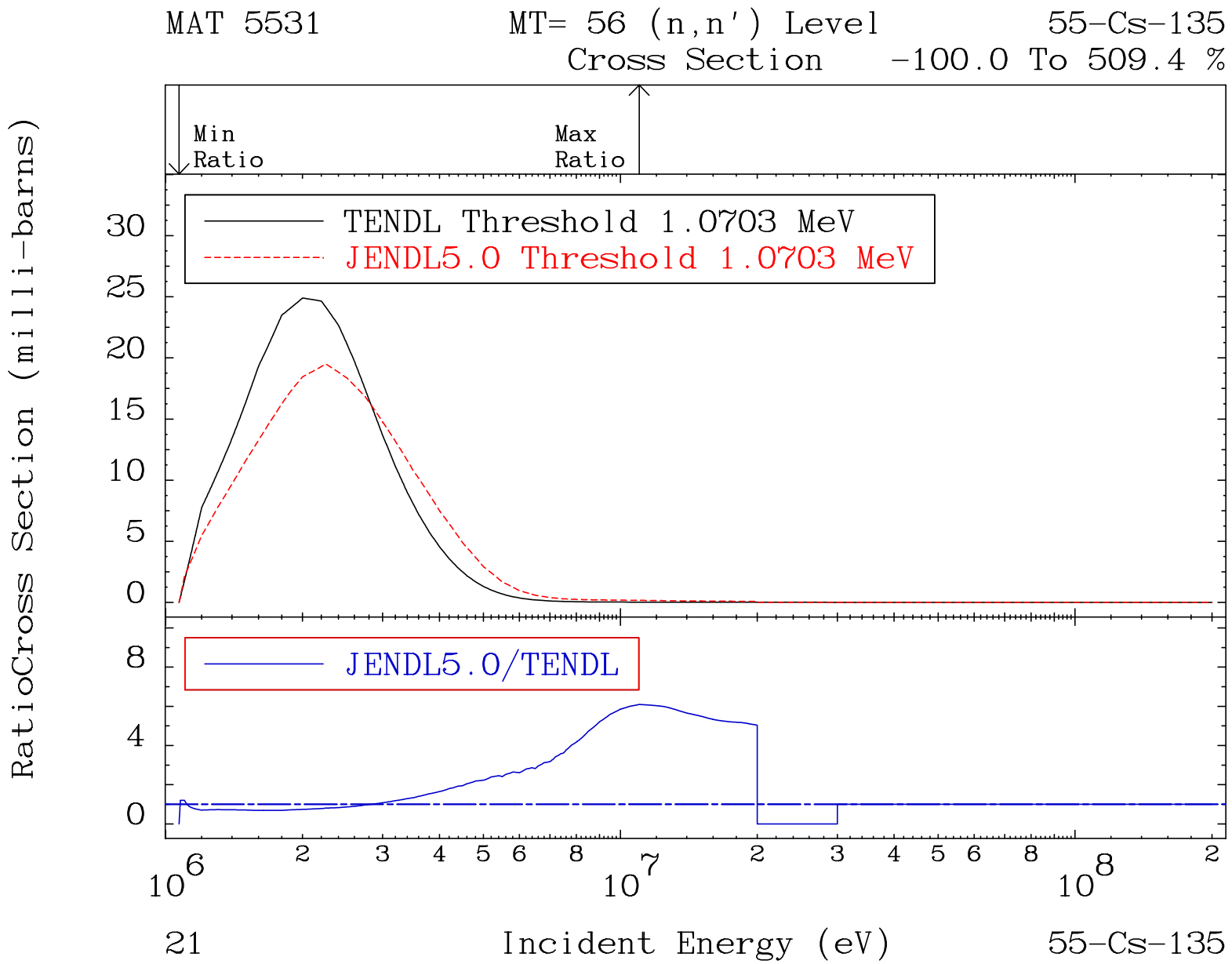

MAT 5531
MT= 51 (n,n') Level
55-Cs-135
Cross Section
-100.0 To 123.0 %
Max Ratio
Min Ratio
TENDL Threshold 251.63 keV
JENDL5.0 Threshold 251.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
55-Cs-135

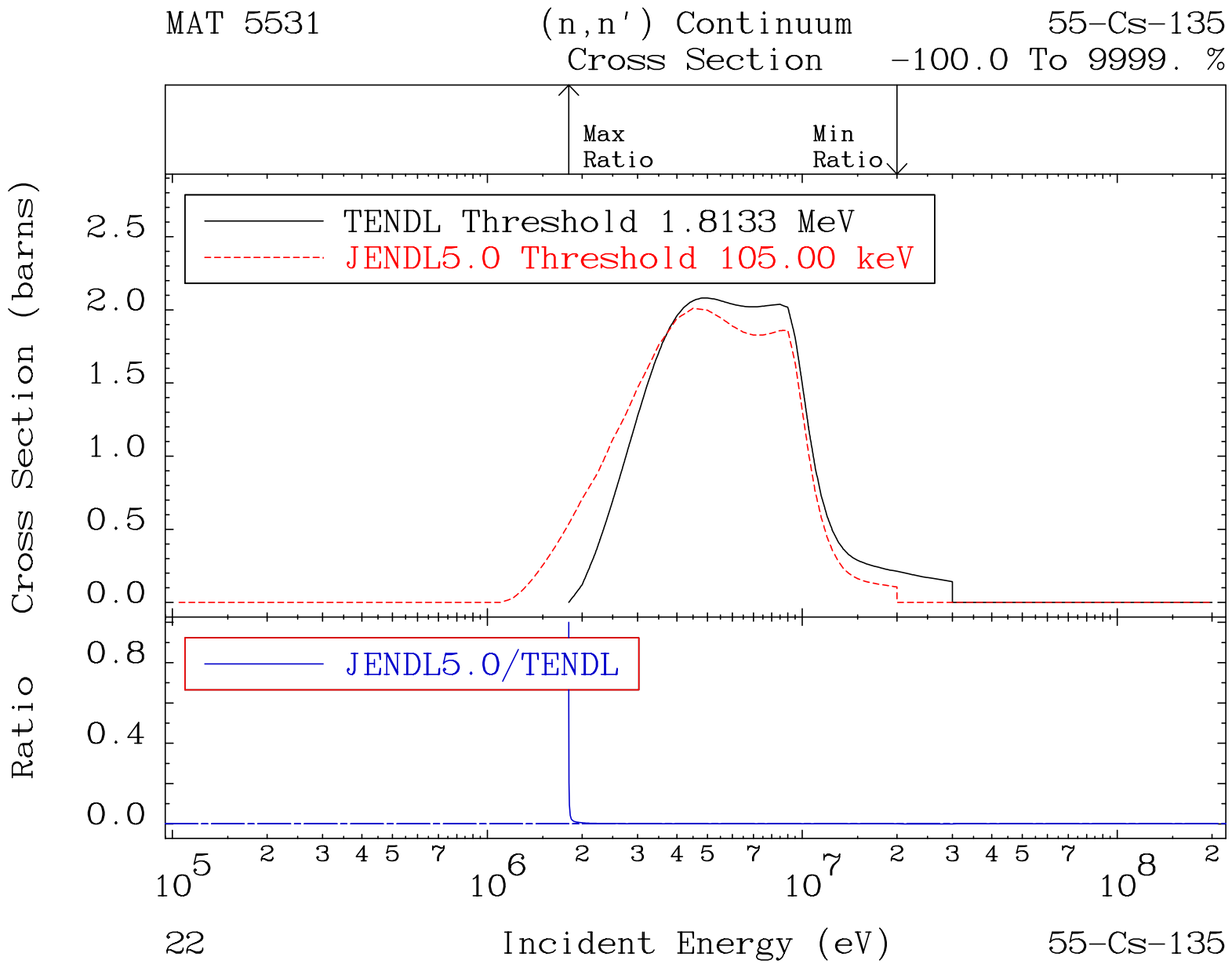

MAT 5531
MT= 52 (n,n') Level
55-Cs-135
Cross Section
-100.0 To 316.4 %
Min Ratio
Max Ratio
TENDL Threshold 411.08 keV
JENDL5.0 Threshold 411.08 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
55-Cs-135

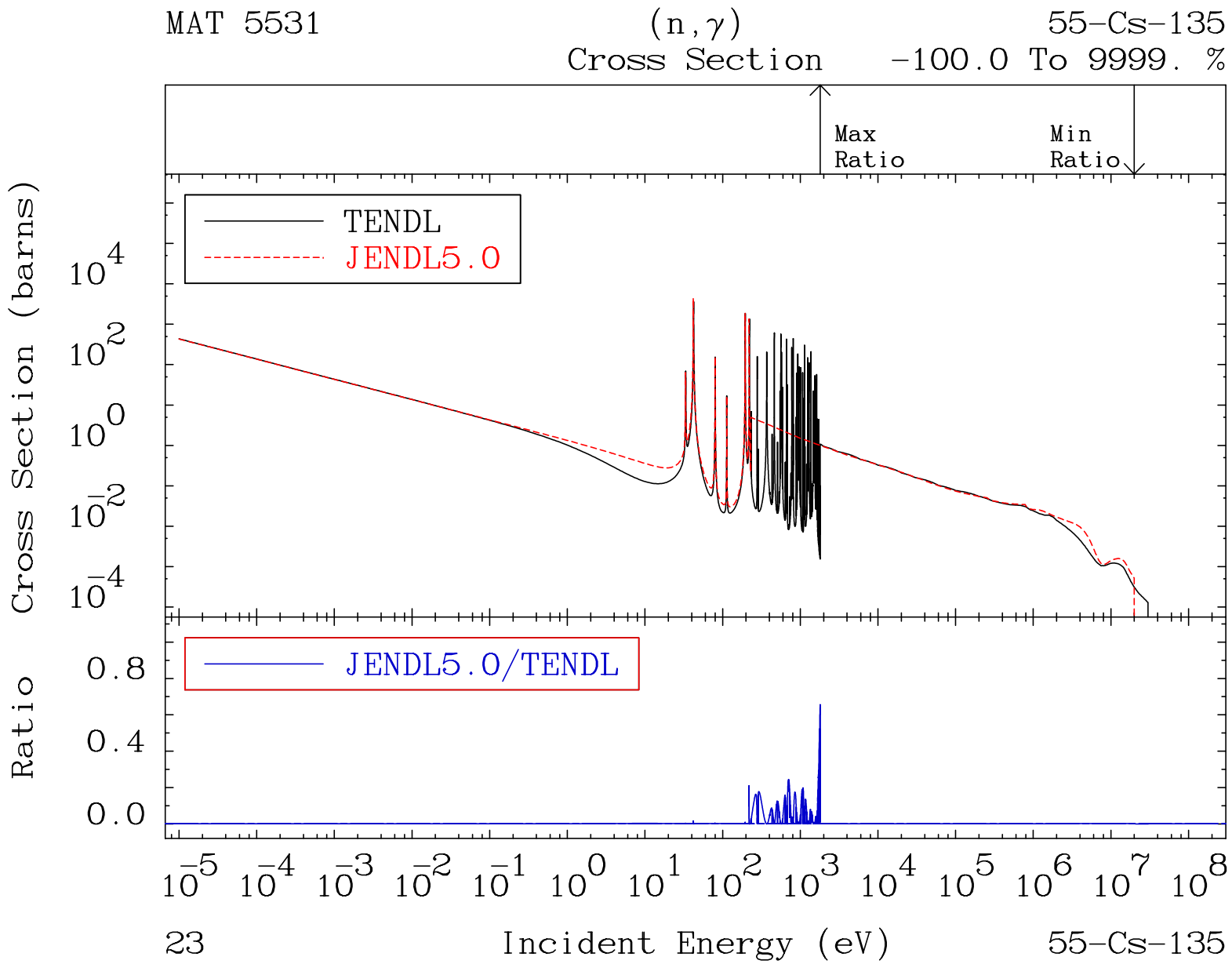

MAT 5531
MT= 53 (n,n') Level
55-Cs-135
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 612.70 keV
JENDL5.0 Threshold 612.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
55-Cs-135

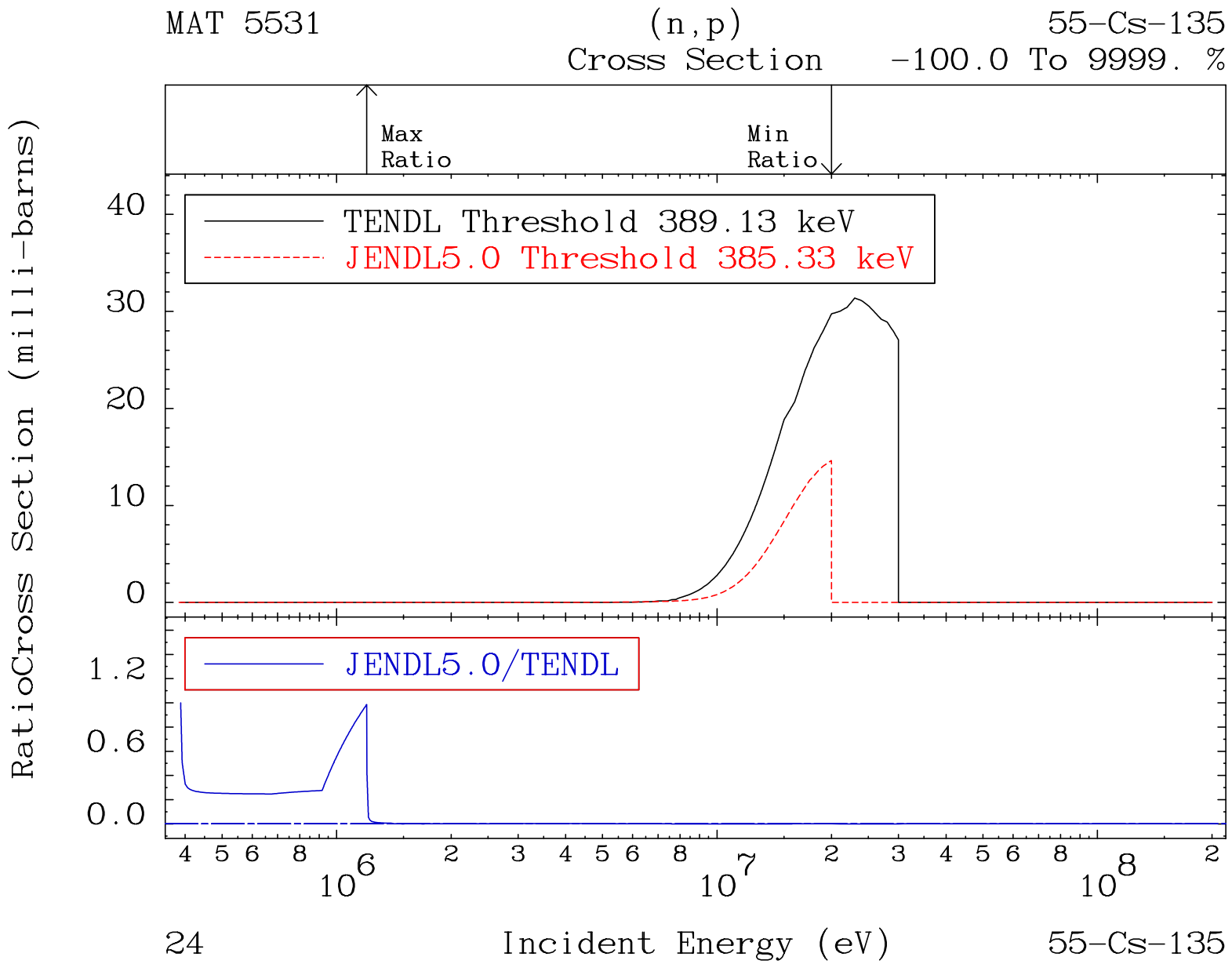

MAT 5531
MT= 54 (n,n') Level
55-Cs-135
Cross Section
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 792.72 keV
JENDL5.0 Threshold 792.72 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
55-Cs-135

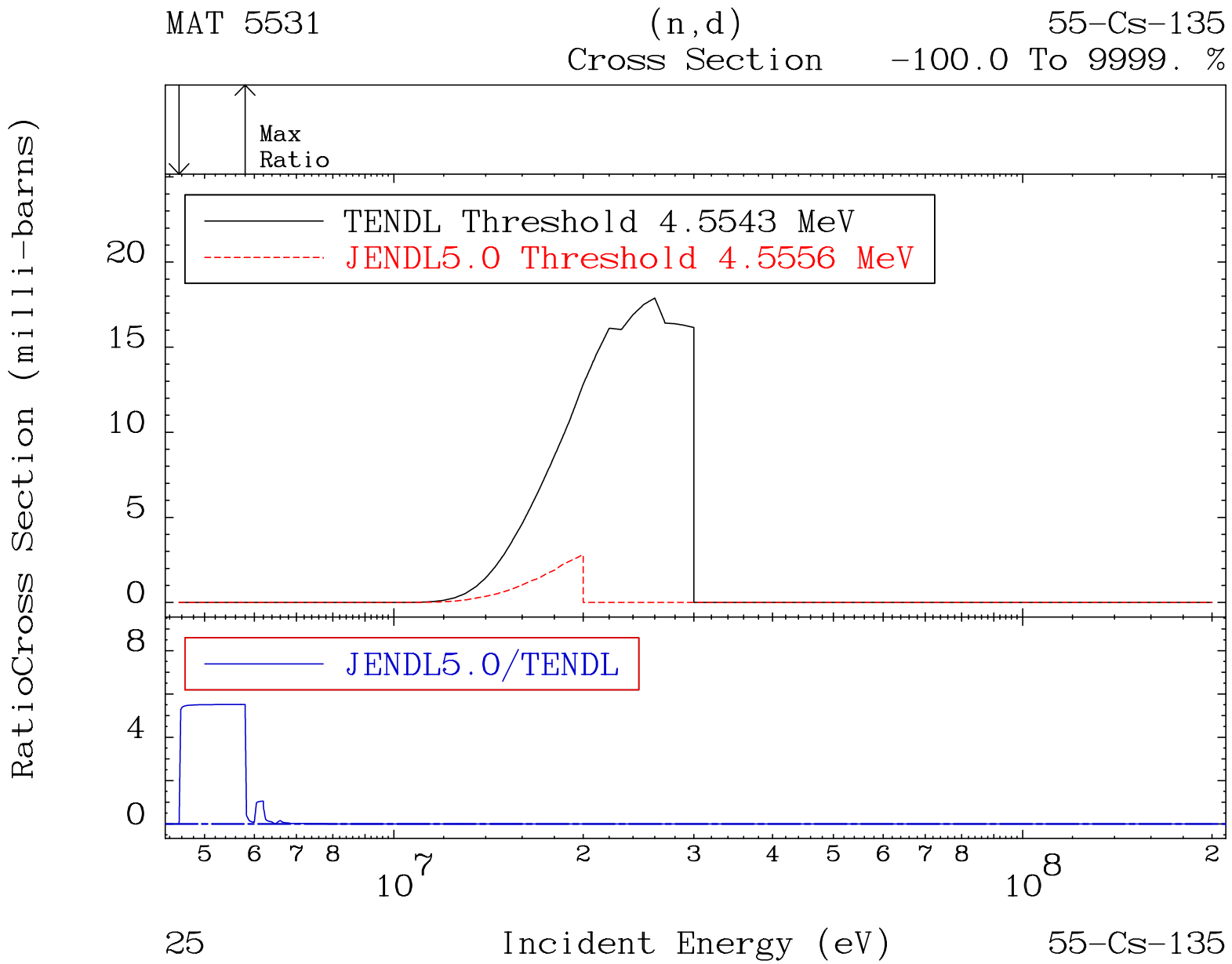

MAT 5531
MT= 55 (n,n') Level
55-Cs-135
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 988.73 keV
JENDL5.0 Threshold 988.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.6
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
55-Cs-135

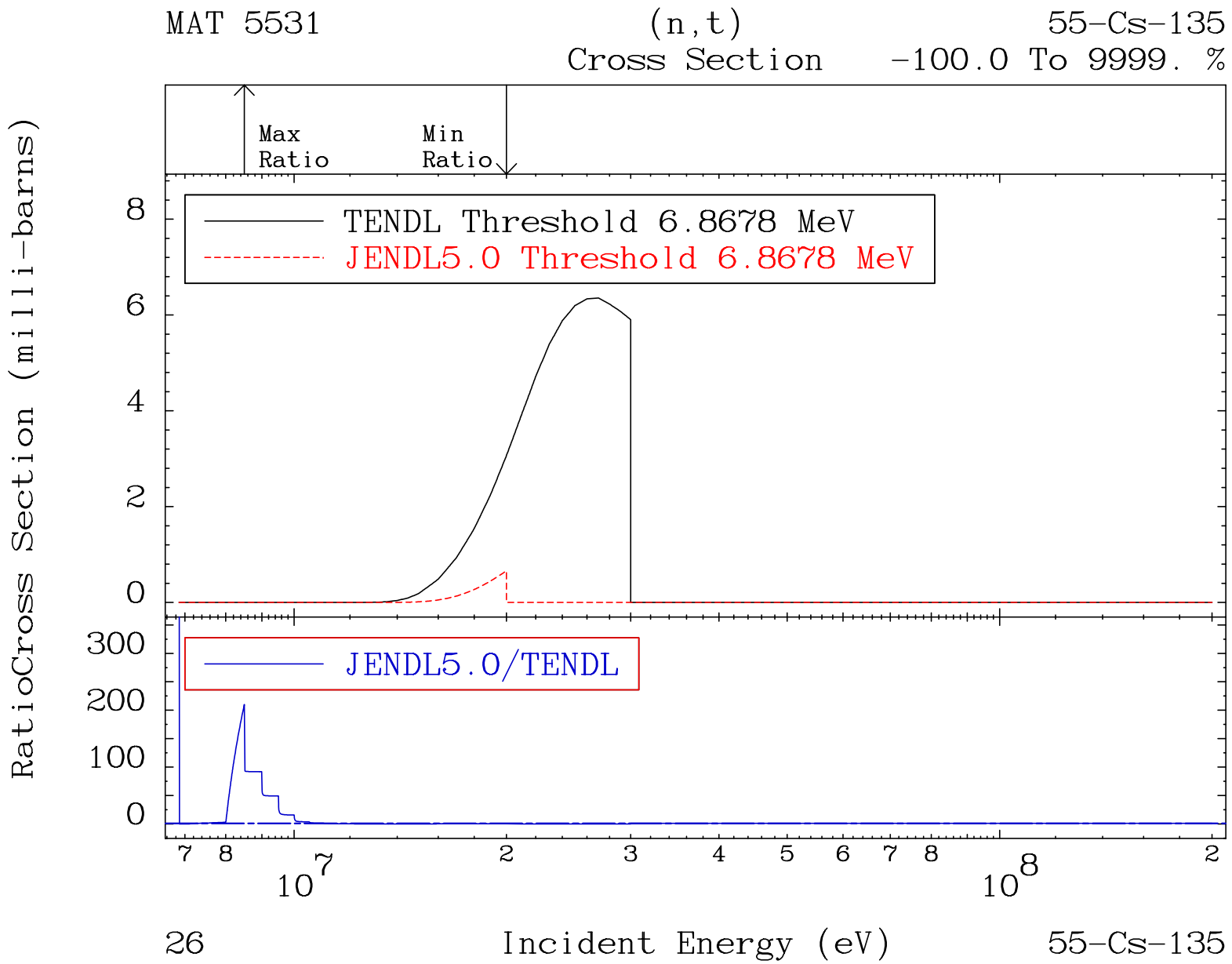

MAT 5531
MT= 56 (n,n') Level
55-Cs-135
Cross Section
-100.0 To 509.4 %
Min Ratio
Max Ratio
TENDL Threshold 1.0703 MeV
JENDL5.0 Threshold 1.0703 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
8
4
0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
55-Cs-135

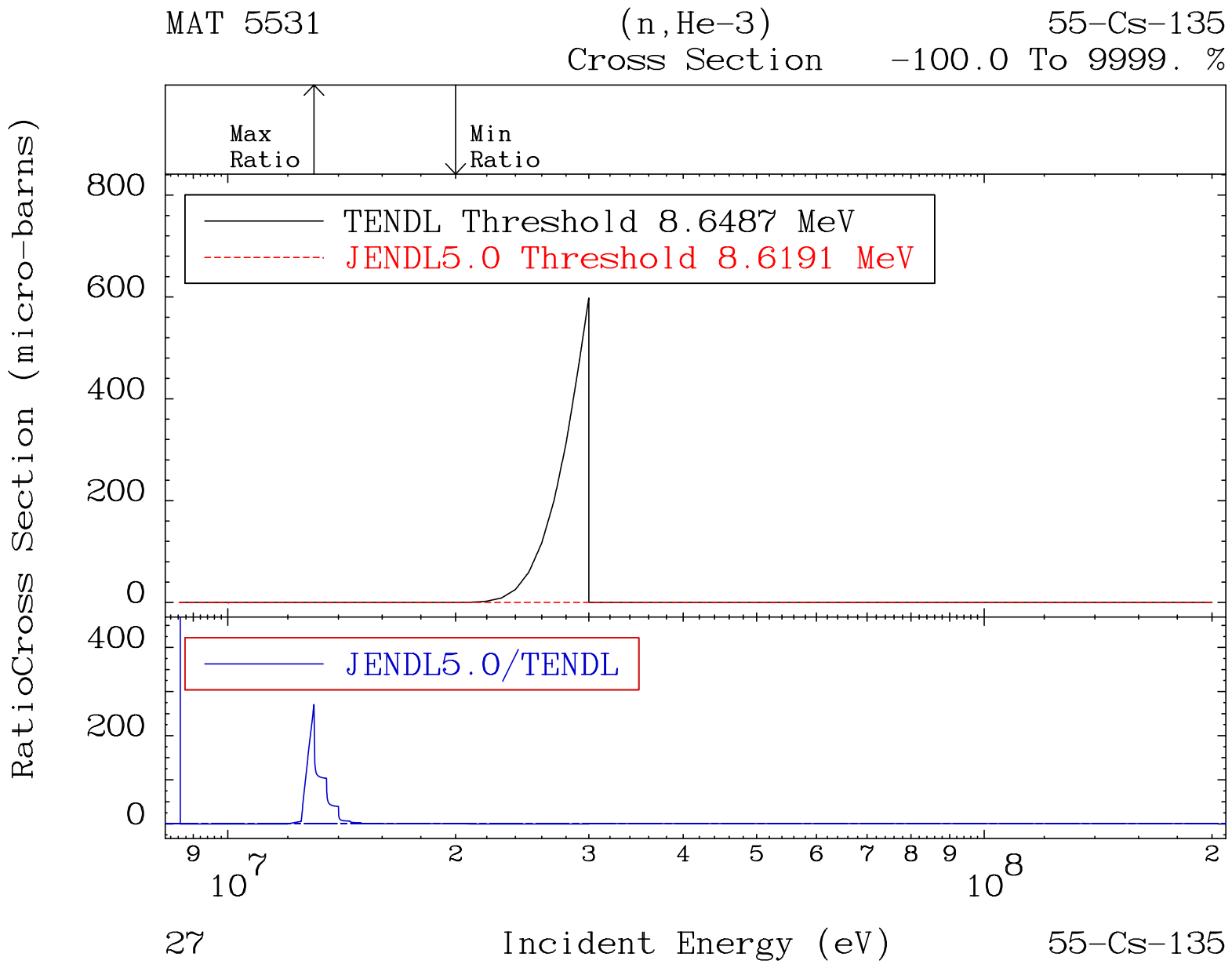

MAT 5531
(n,n') Continuum
Cross Section
55-Cs-135
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8133 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
22
55-Cs-135

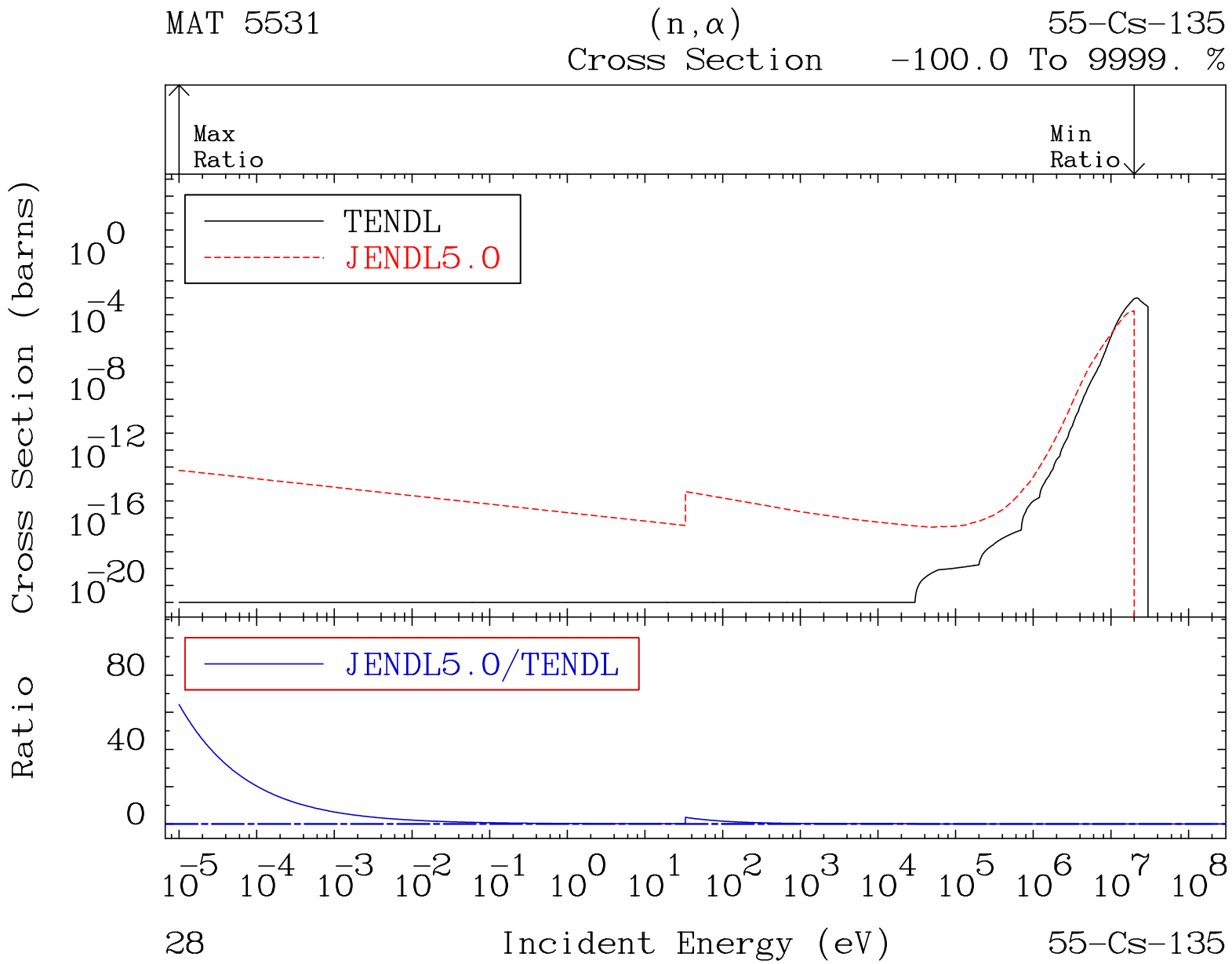

MAT 5531
(n,γ)
Cross Section
55-Cs-135
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
23
55-Cs-135

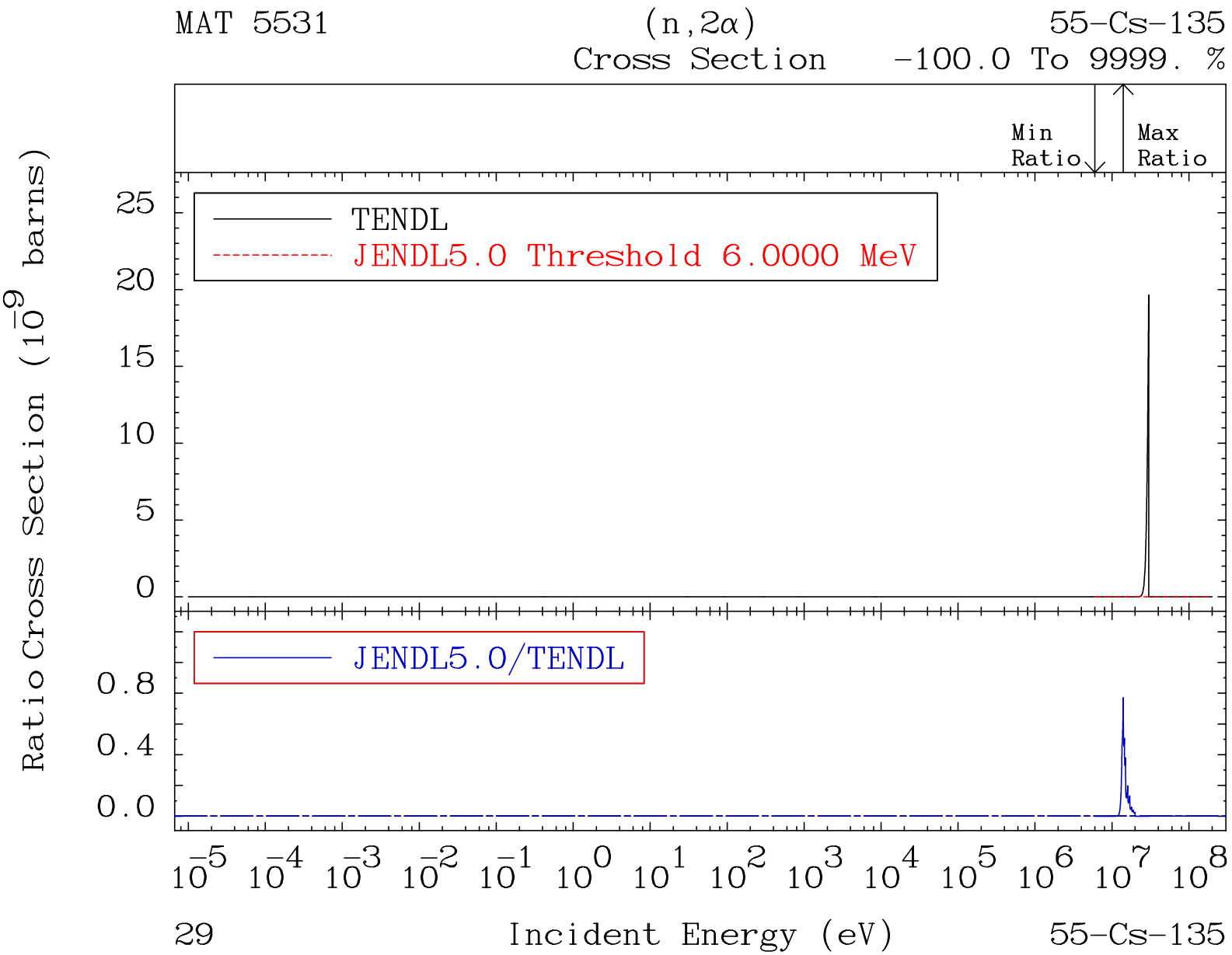

MAT 5531
(n,p)
Cross Section
55-Cs-135
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 389.13 keV
JENDL5.0 Threshold 385.33 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
55-Cs-135

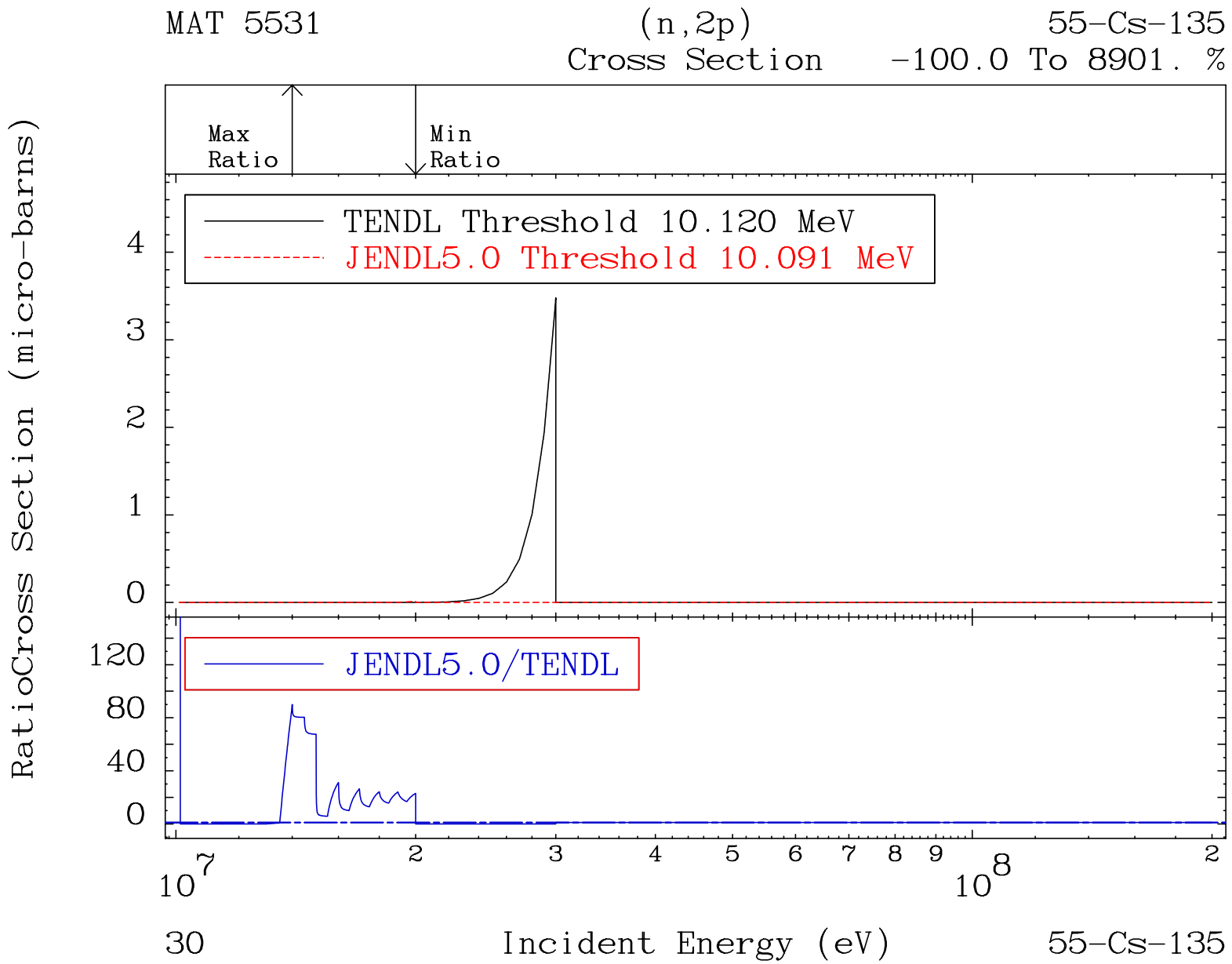

MAT 5531
(n,d)
55-Cs-135
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.5543 MeV
JENDL5.0 Threshold 4.5556 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
8
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
55-Cs-135

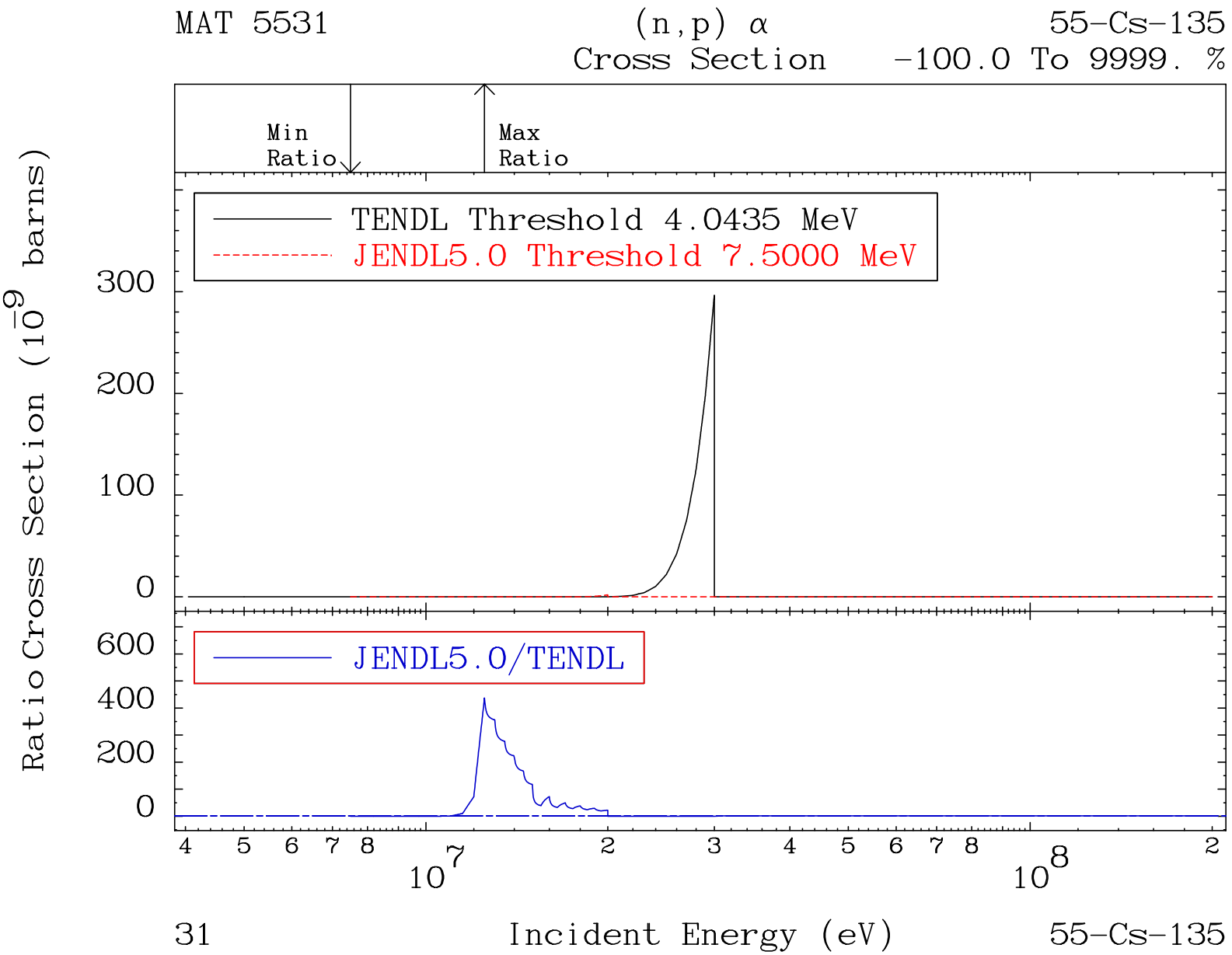

MAT 5531
(n,t)
Cross Section
55-Cs-135
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8678 MeV
JENDL5.0 Threshold 6.8678 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
55-Cs-135

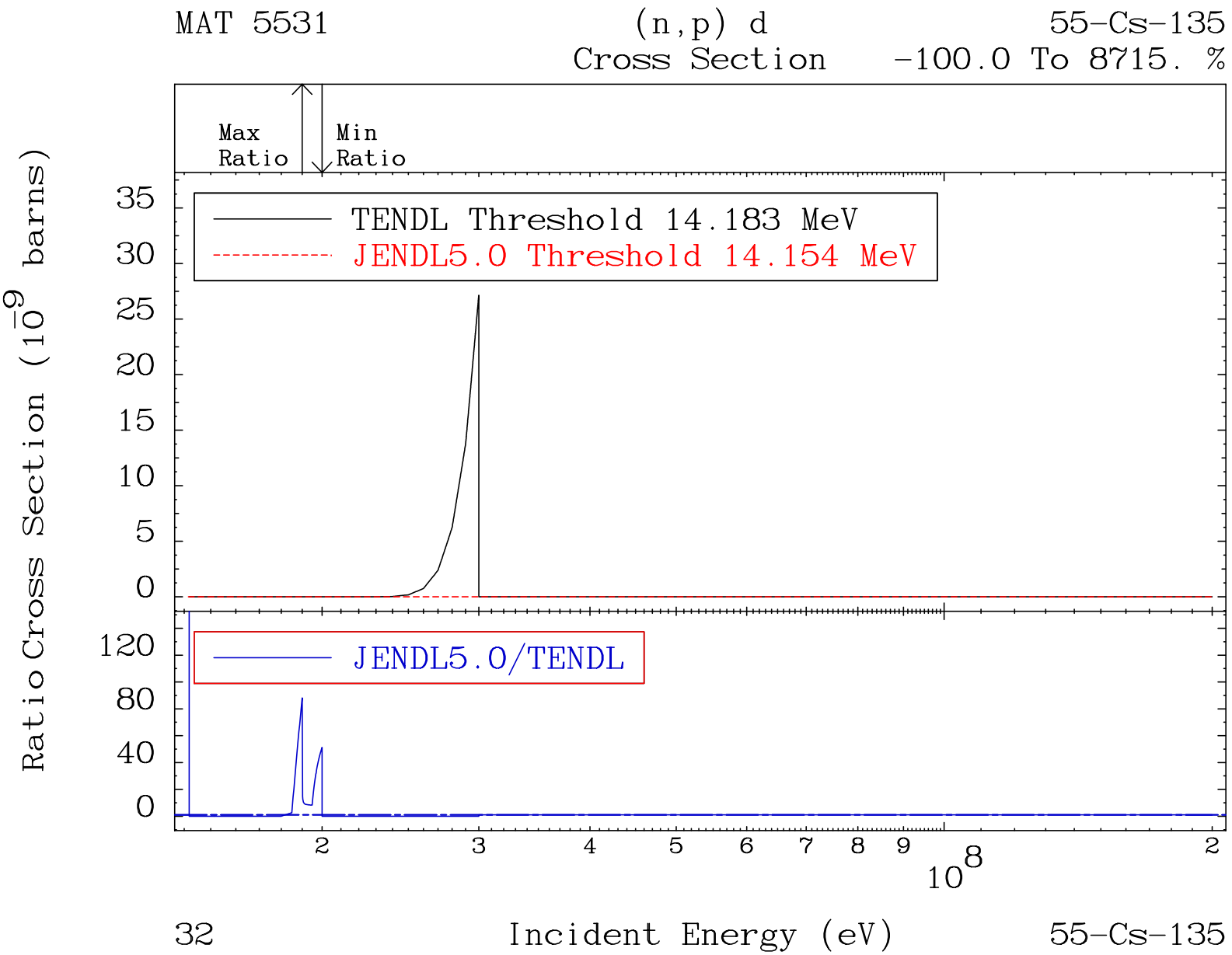

MAT 5531
(n,He-3)
55-Cs-135
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.6487 MeV
JENDL5.0 Threshold 8.6191 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
55-Cs-135

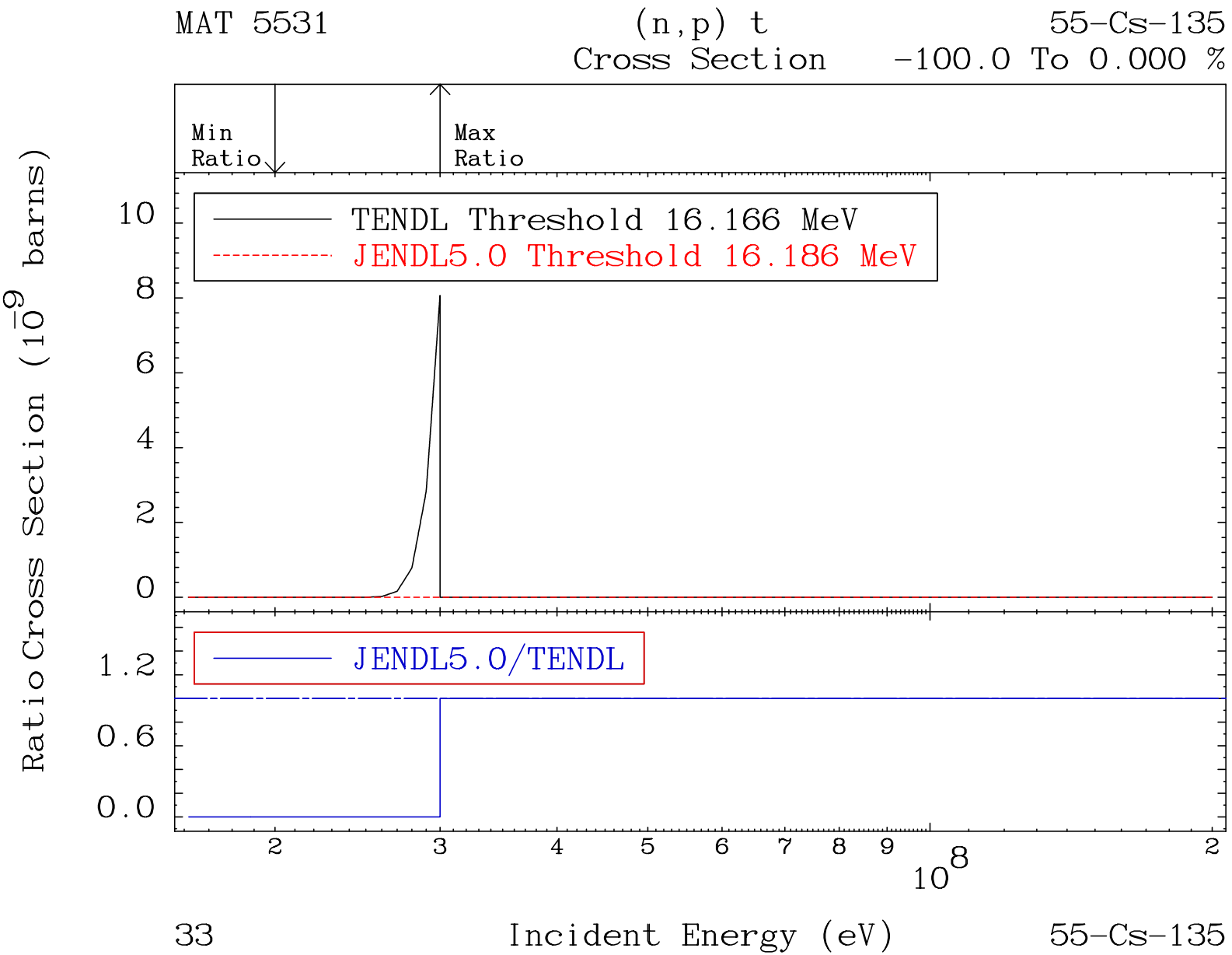

MAT 5531
(n,α)
55-Cs-135
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-4
10^-8
10^-12
10^-16
10^-20
JENDL5.0/TENDL
Ratio
80
40
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
55-Cs-135

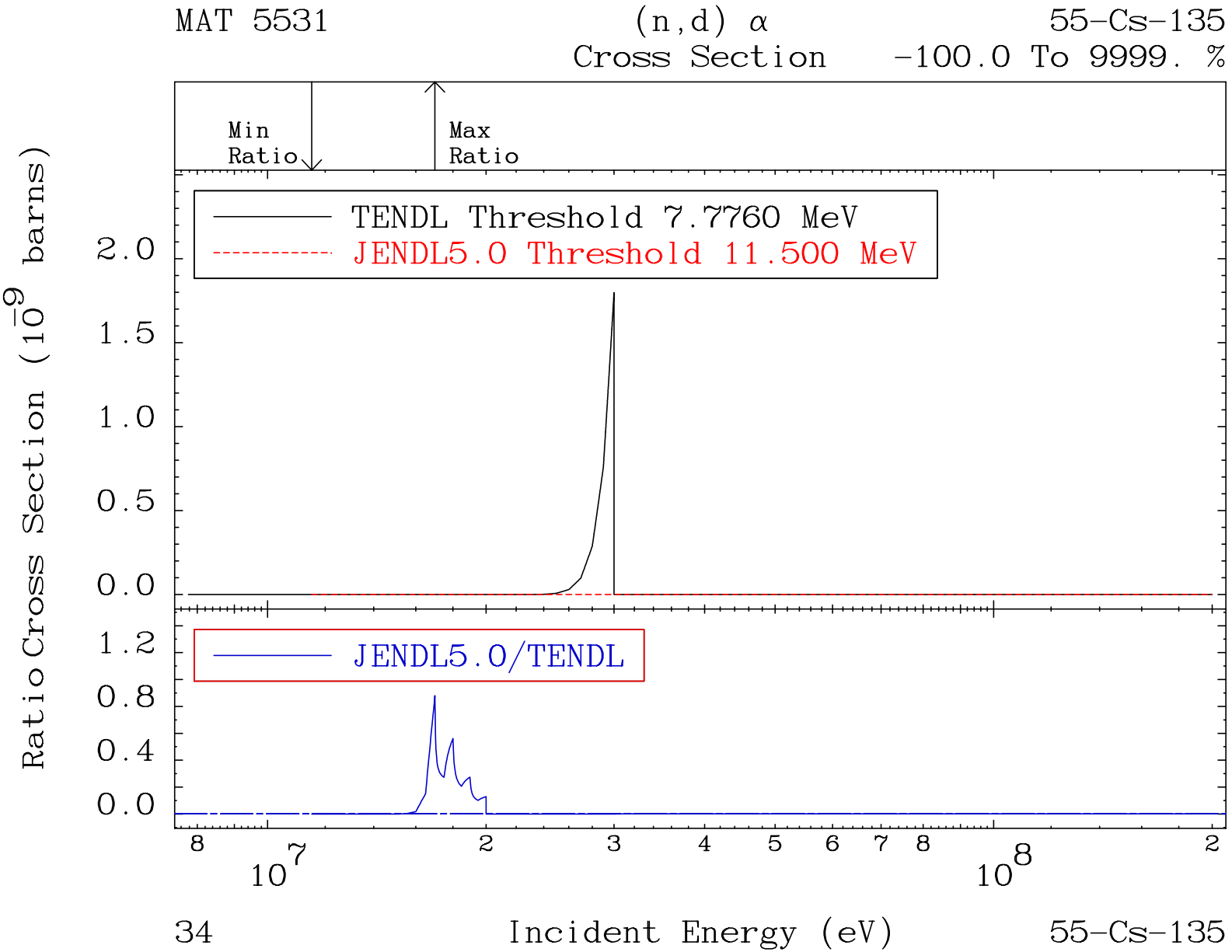

MAT 5531
(n,2α)
55-Cs-135
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 6.0000 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
25
20
15
10
5
0
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
55-Cs-135

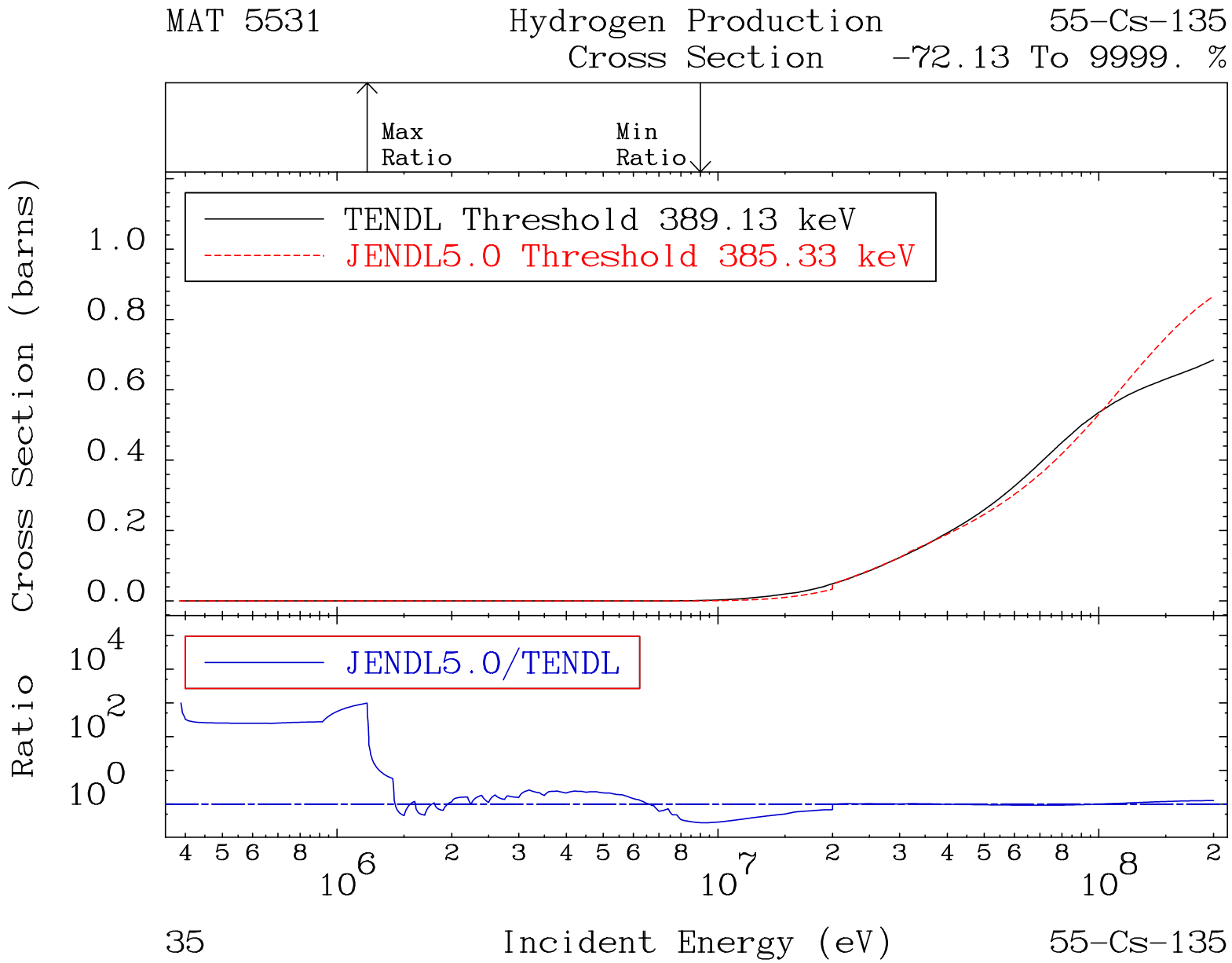

MAT 5531
(n,2p)
55-Cs-135
Cross Section
-100.0 To 8901. %
Max Ratio
Min Ratio
TENDL Threshold 10.120 MeV
JENDL5.0 Threshold 10.091 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
55-Cs-135
30

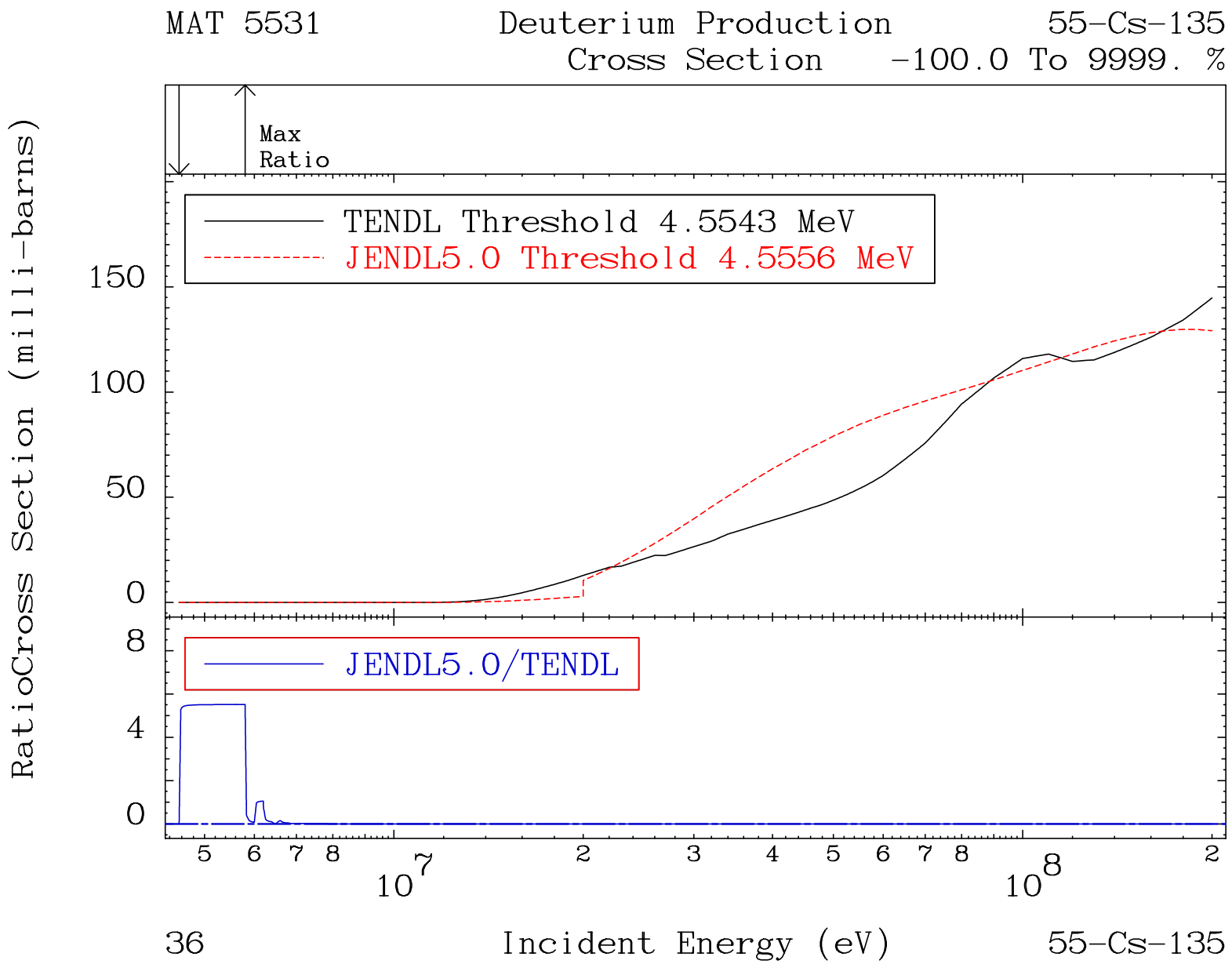

MAT 5531
(n,p) α
55-Cs-135
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0435 MeV
JENDL5.0 Threshold 7.5000 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
300
200
100
0
600
400
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
55-Cs-135

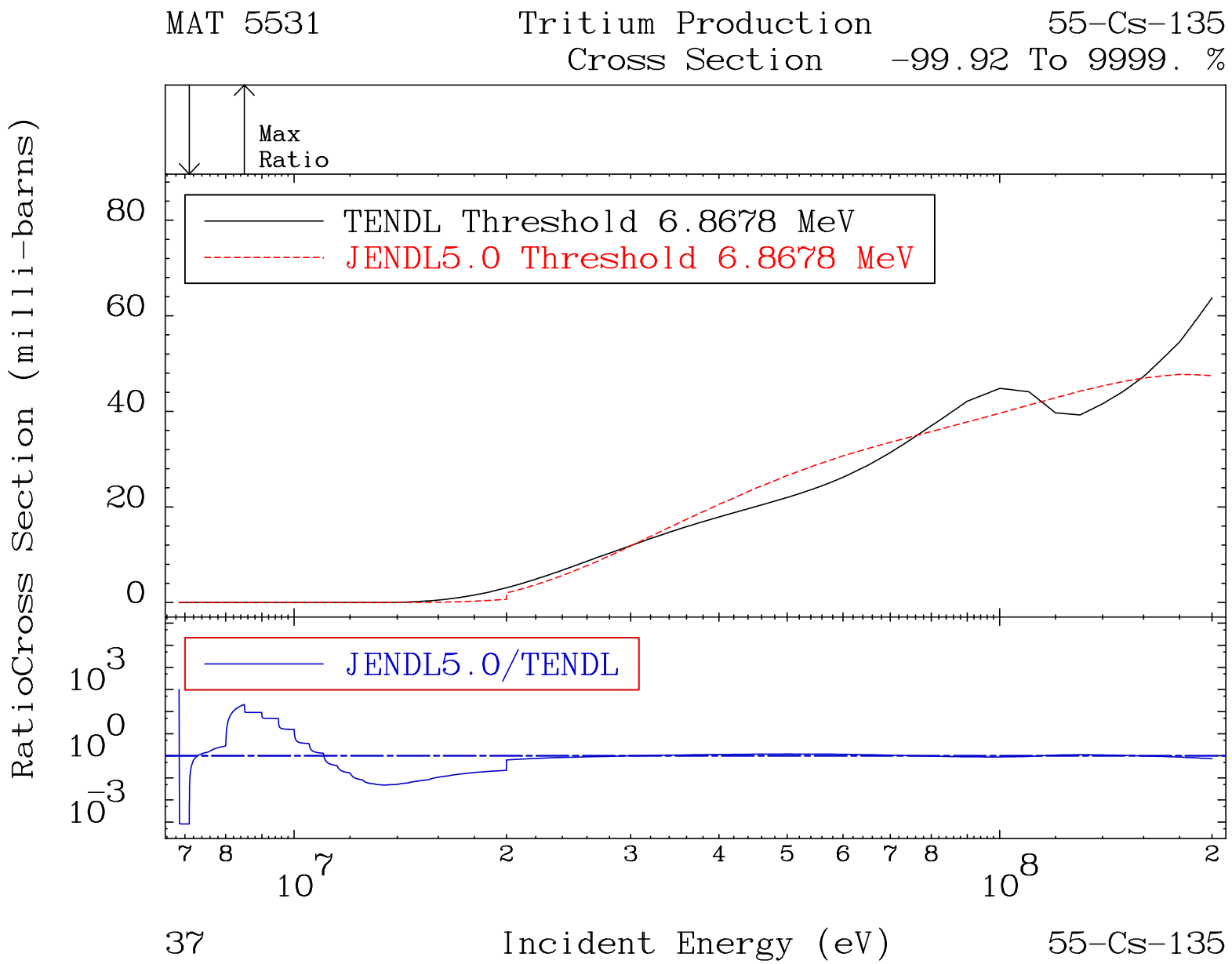

MAT 5531
(n,p) d
55-Cs-135
Cross Section
-100.0 To 8715. %
Max Ratio
Min Ratio
TENDL Threshold 14.183 MeV
JENDL5.0 Threshold 14.154 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
35
30
25
20
15
10
5
0
120
80
40
0
2
3
4
5
6
7
8
9
10^{8}
2
32
Incident Energy (eV)
55-Cs-135

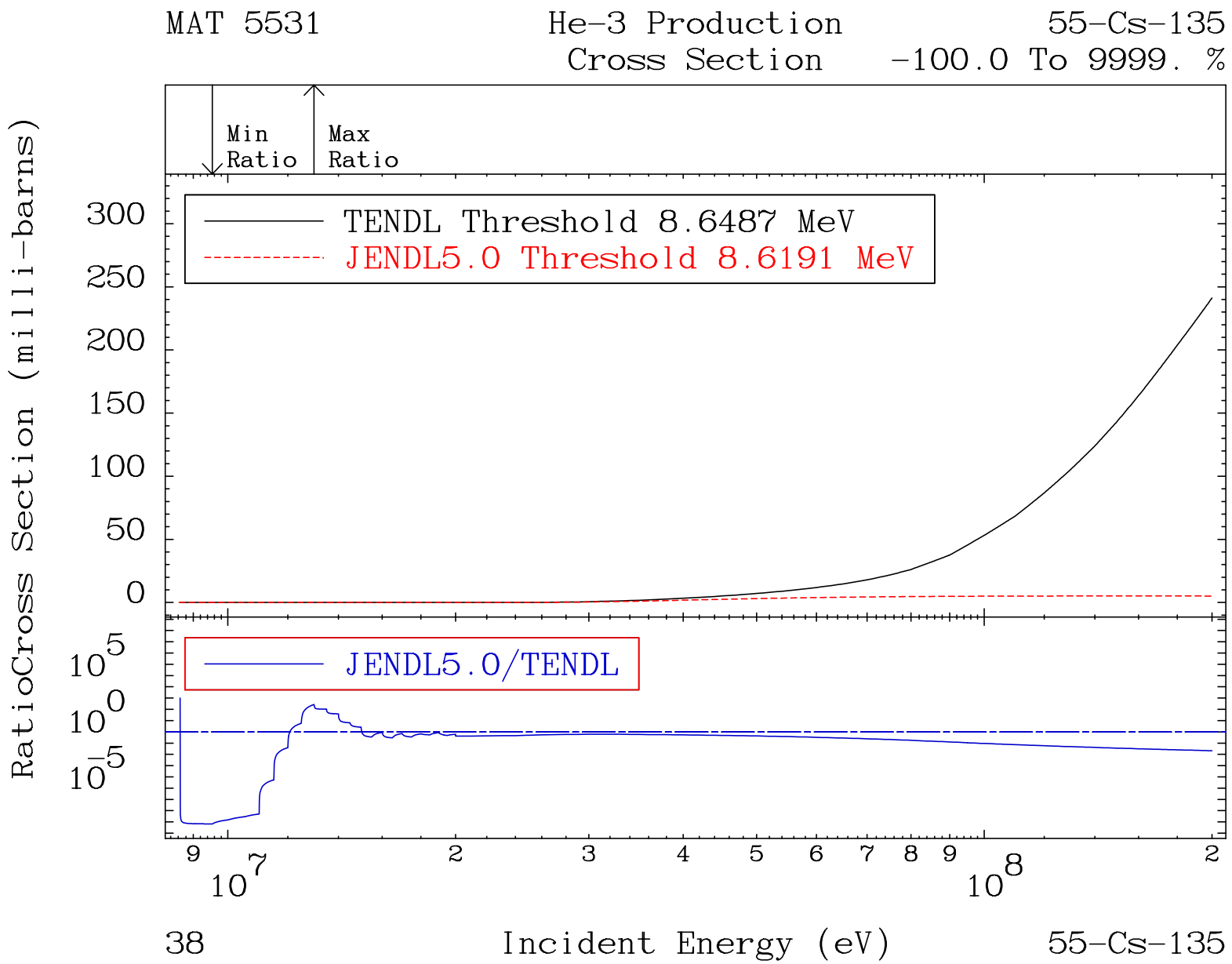

MAT 5531
(n,p) t
Cross Section
55-Cs-135
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.166 MeV
JENDL5.0 Threshold 16.186 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^{8}
2
33
Incident Energy (eV)
55-Cs-135

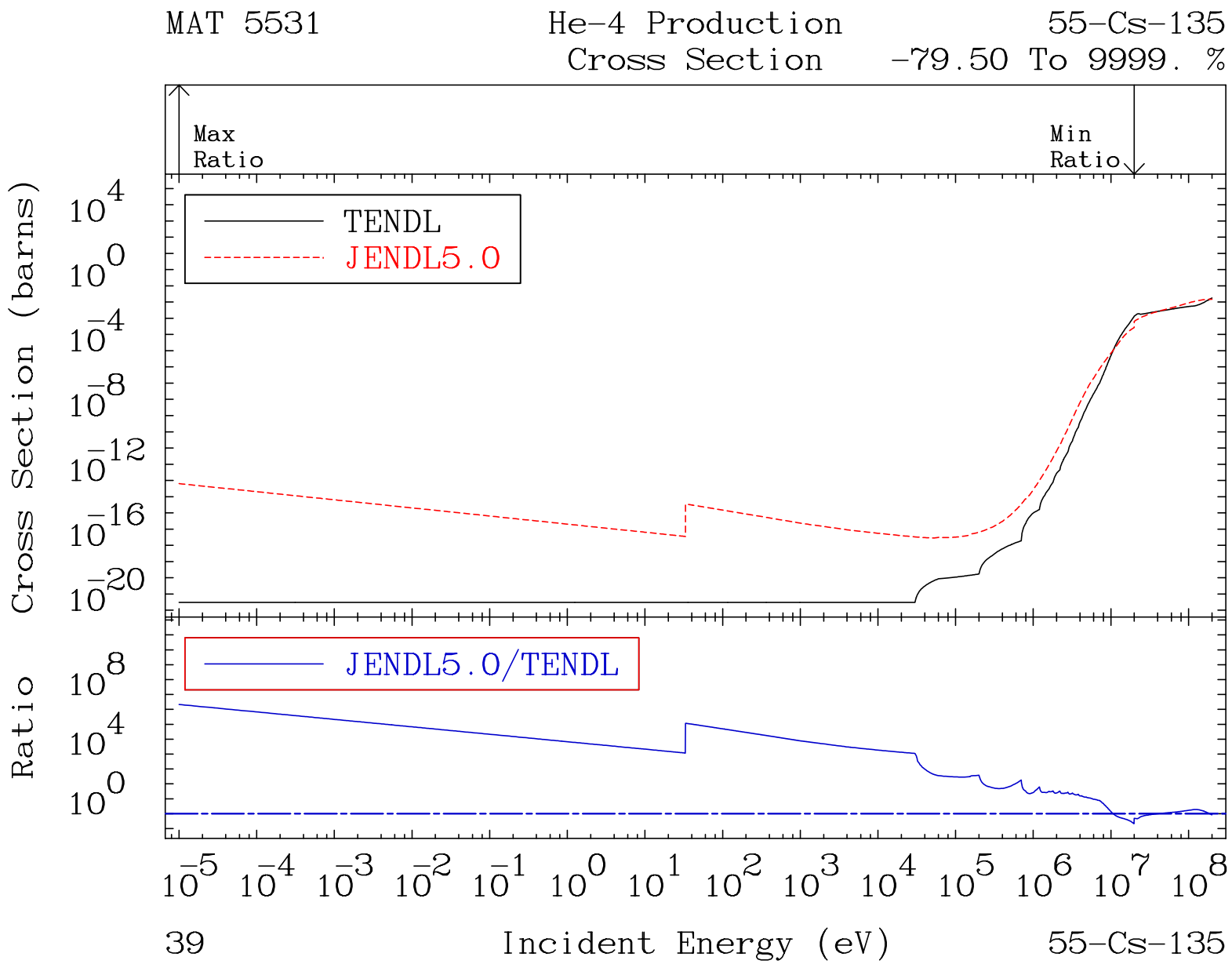

MAT 5531
(n,d) α
Cross Section
55-Cs-135
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.7760 MeV
JENDL5.0 Threshold 11.500 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
55-Cs-135

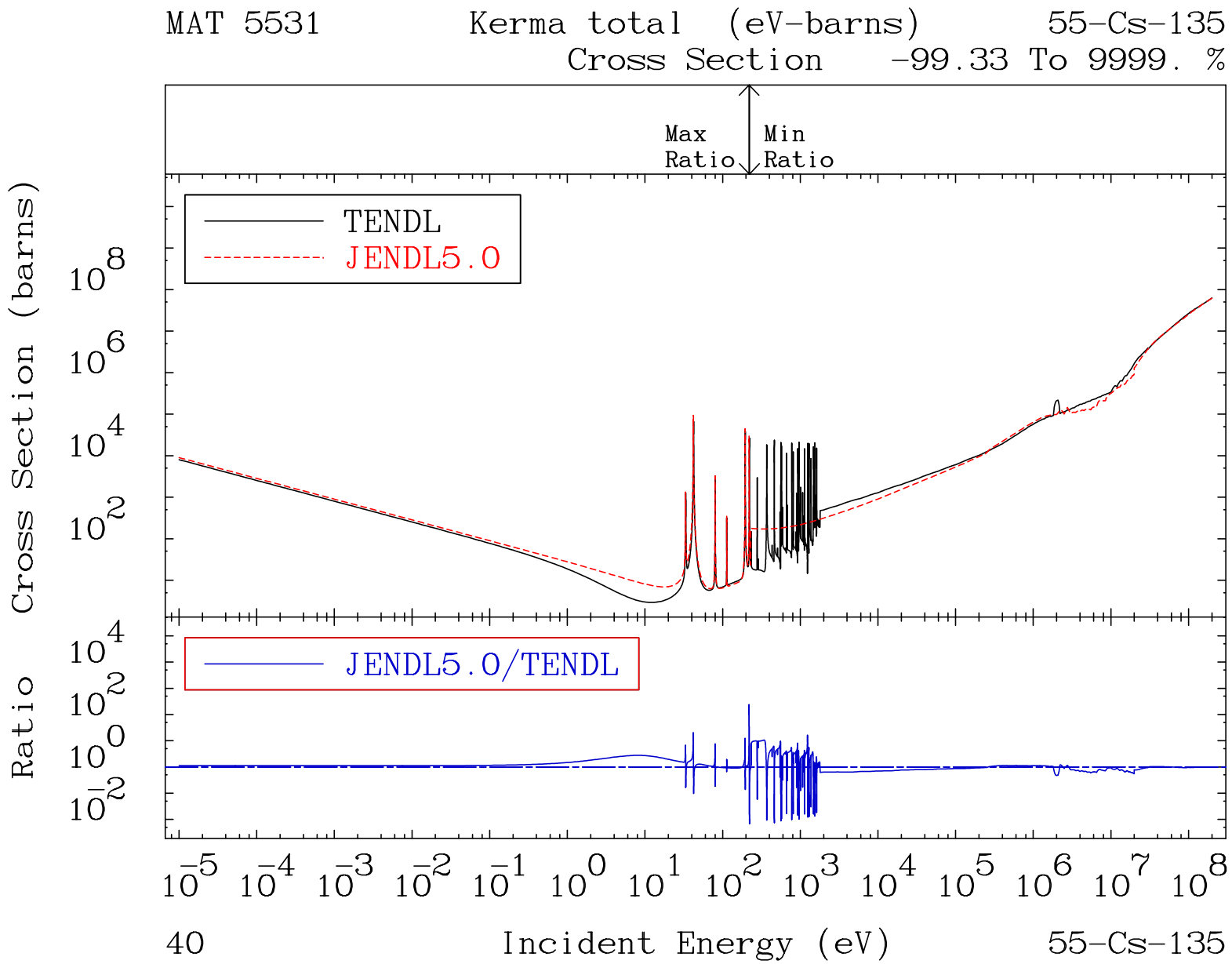

MAT 5531
Hydrogen Production
55-Cs-135
Cross Section -72.13 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 389.13 keV
JENDL5.0 Threshold 385.33 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^4
10^2
10^0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
55-Cs-135

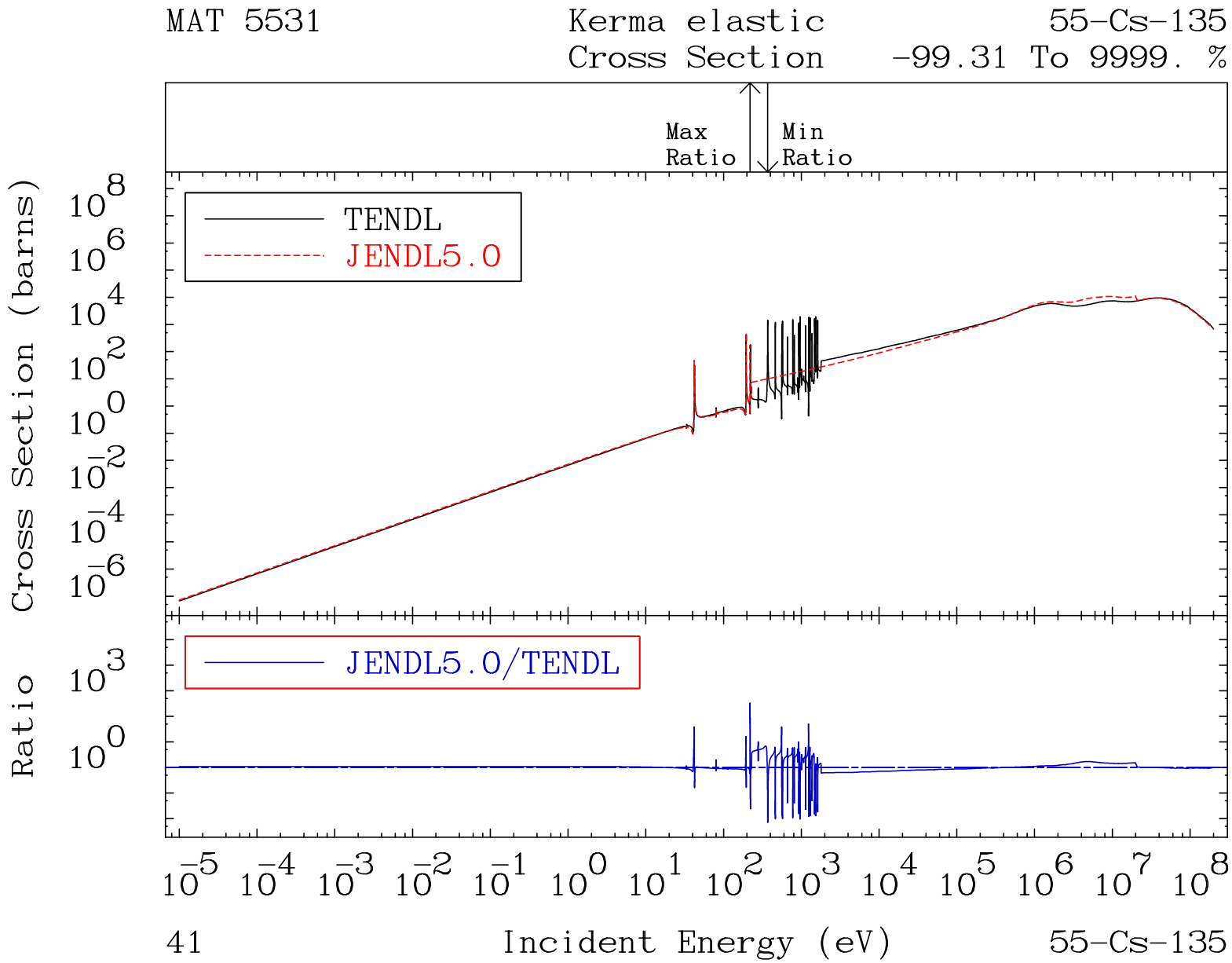

MAT 5531
Deuterium Production
55-Cs-135
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.5543 MeV
JENDL5.0 Threshold 4.5556 MeV
150
100
50
0
JENDL5.0/TENDL
8
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
36
Incident Energy (eV)
55-Cs-135

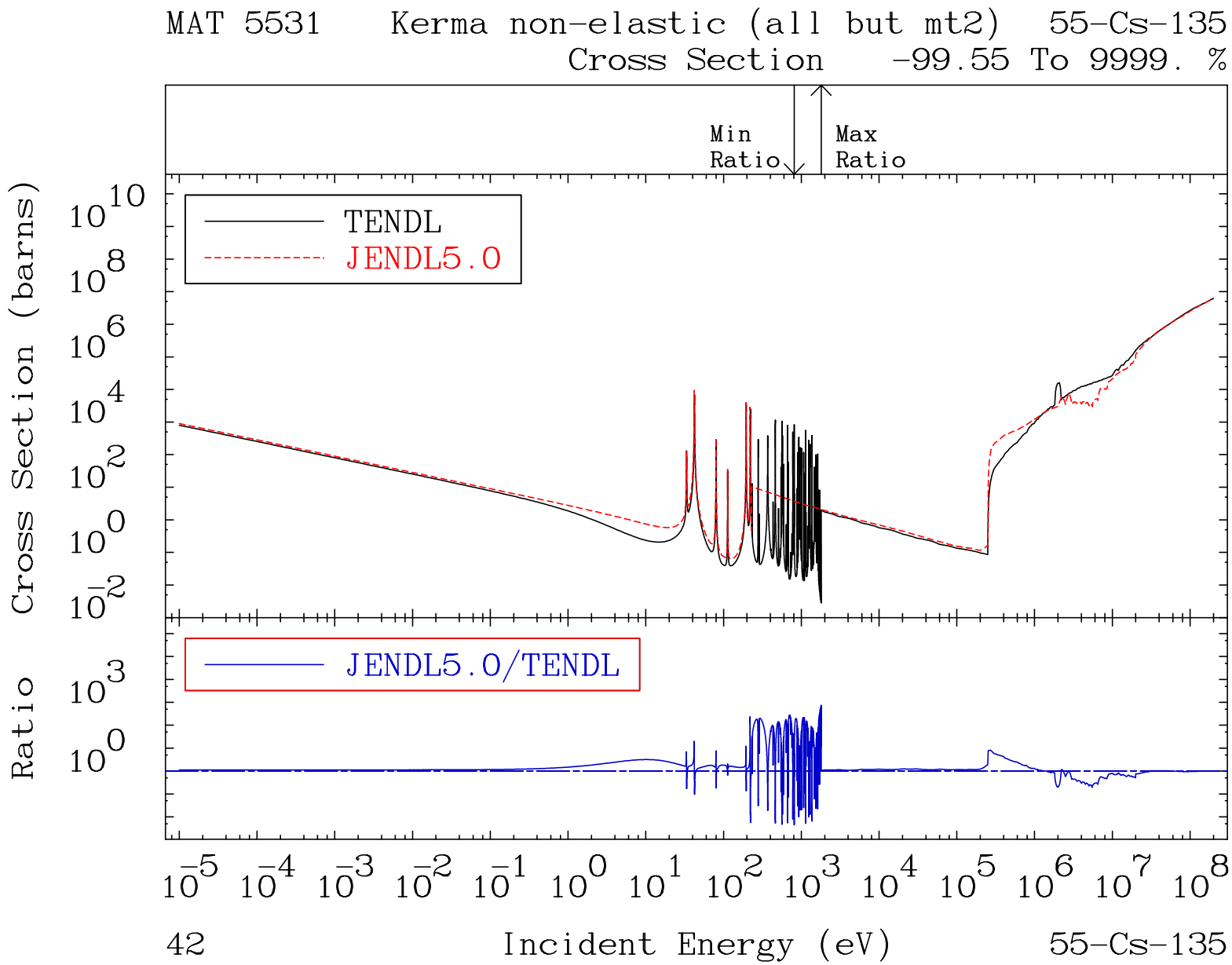

MAT 5531
Tritium Production
55-Cs-135
Cross Section
-99.92 To 9999. %
Max
Ratio
TENDL Threshold 6.8678 MeV
JENDL5.0 Threshold 6.8678 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^3
10^0
10^-3
7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
55-Cs-135

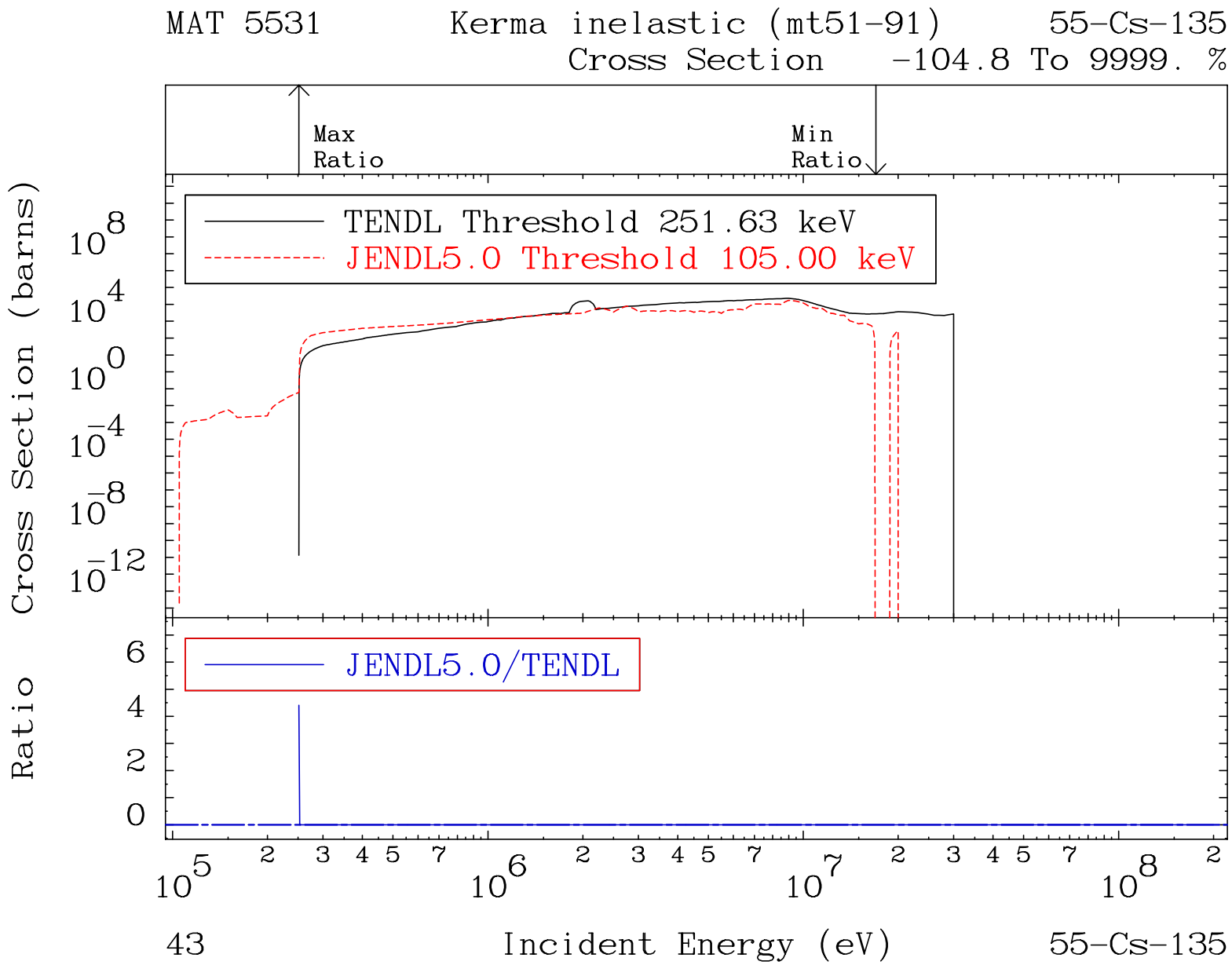

MAT 5531
He-3 Production
Cross Section
55-Cs-135
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.6487 MeV
JENDL5.0 Threshold 8.6191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^5
10^0
10^-5
9
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
55-Cs-135

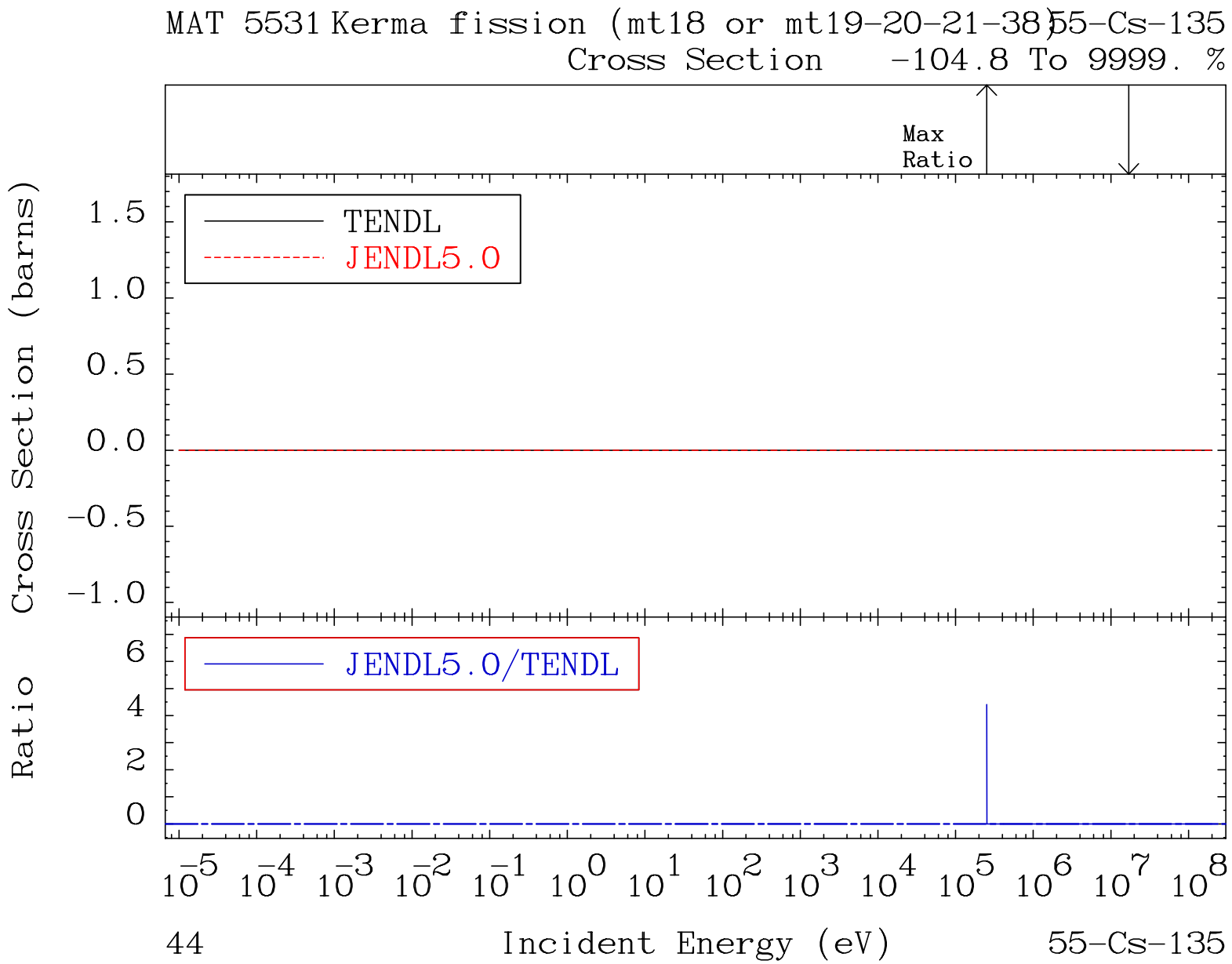

MAT 5531
He-4 Production
Cross Section
55-Cs-135
-79.50 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
55-Cs-135

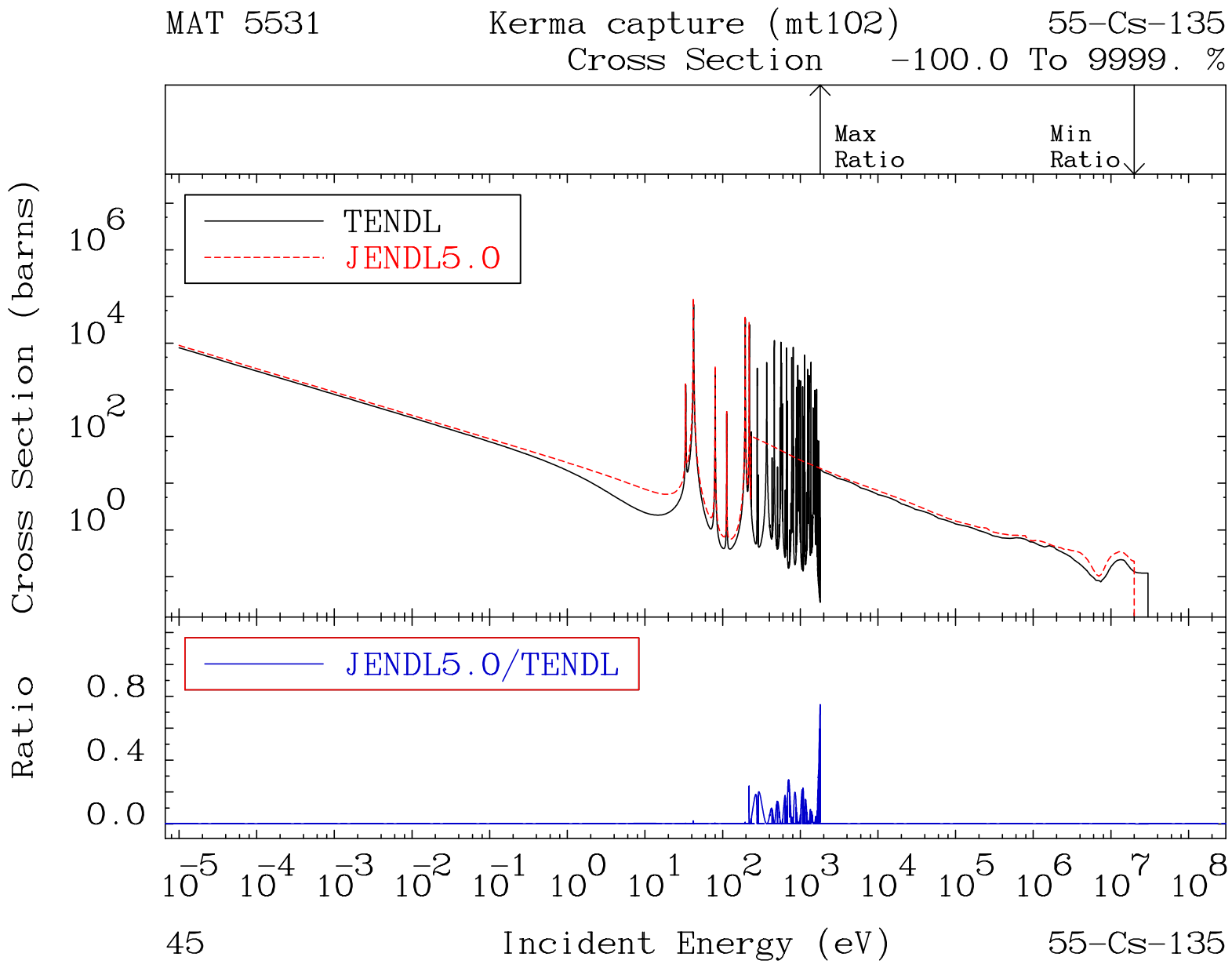

MAT 5531
Kerma total (eV-barns)
55-Cs-135
Cross Section -99.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
55-Cs-135

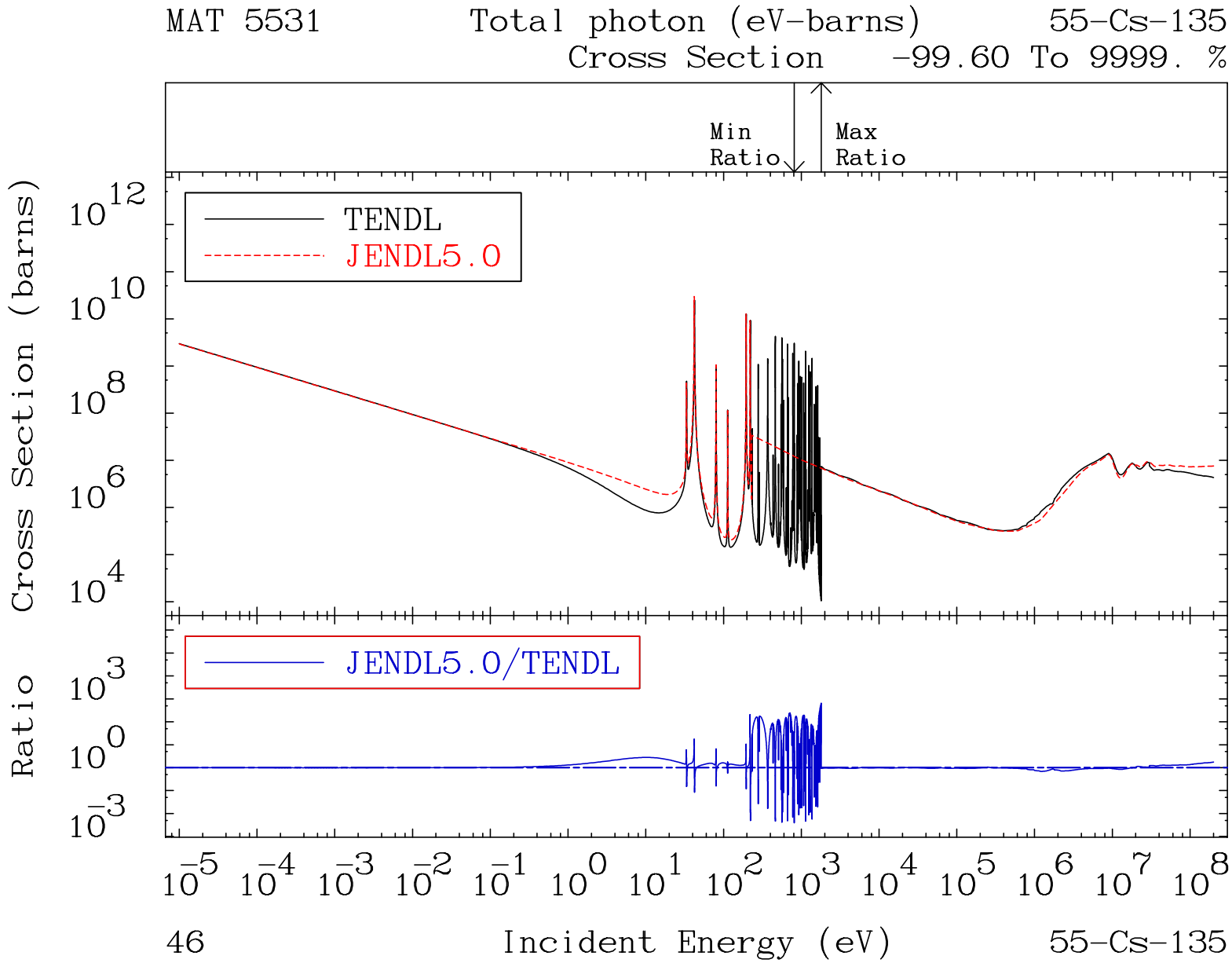

MAT 5531
Kerma elastic
Cross Section
55-Cs-135
-99.31 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
55-Cs-135

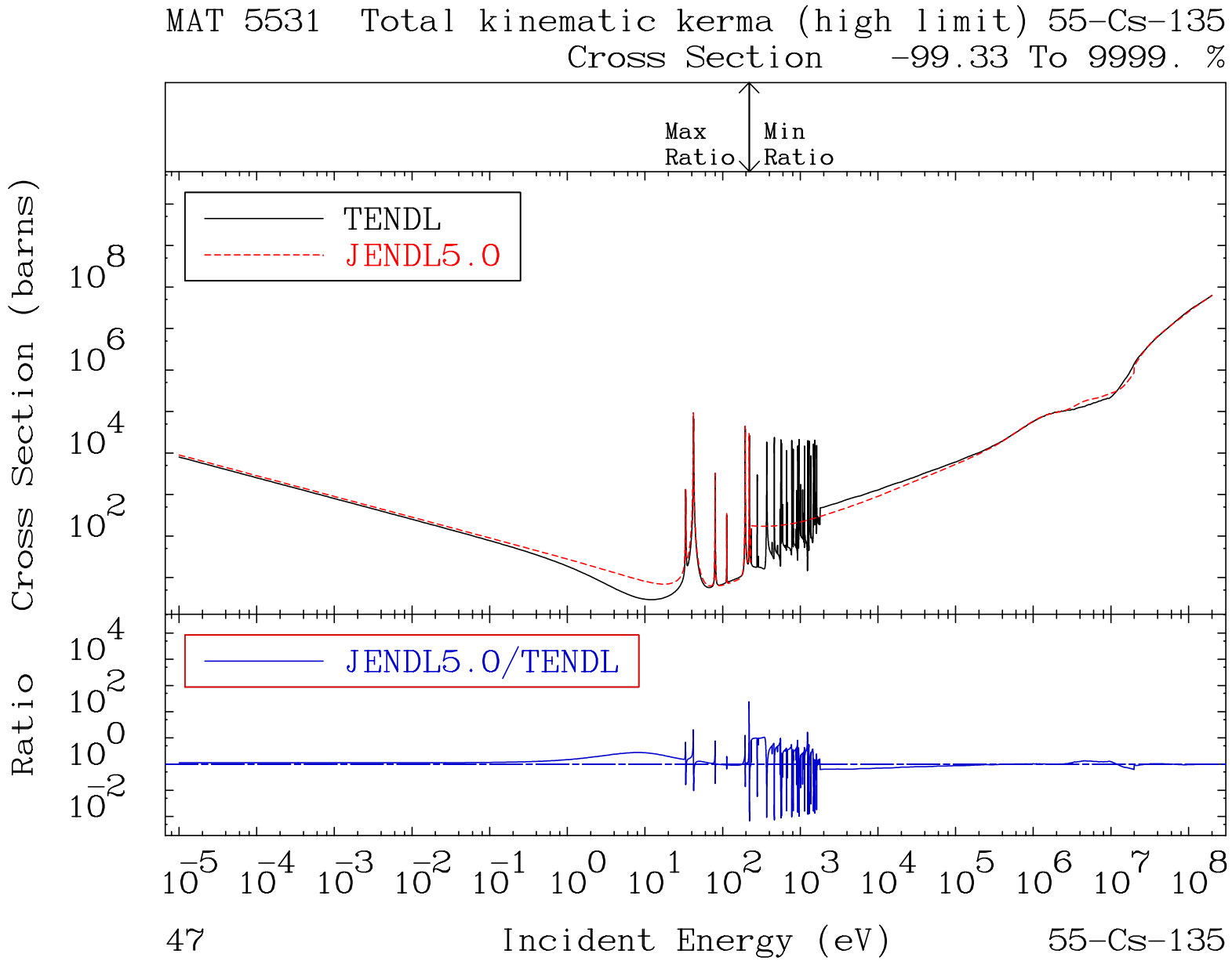

MAT 5531 Kerma non-elastic (all but mt2) 55-Cs-135
Cross Section -99.55 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
55-Cs-135

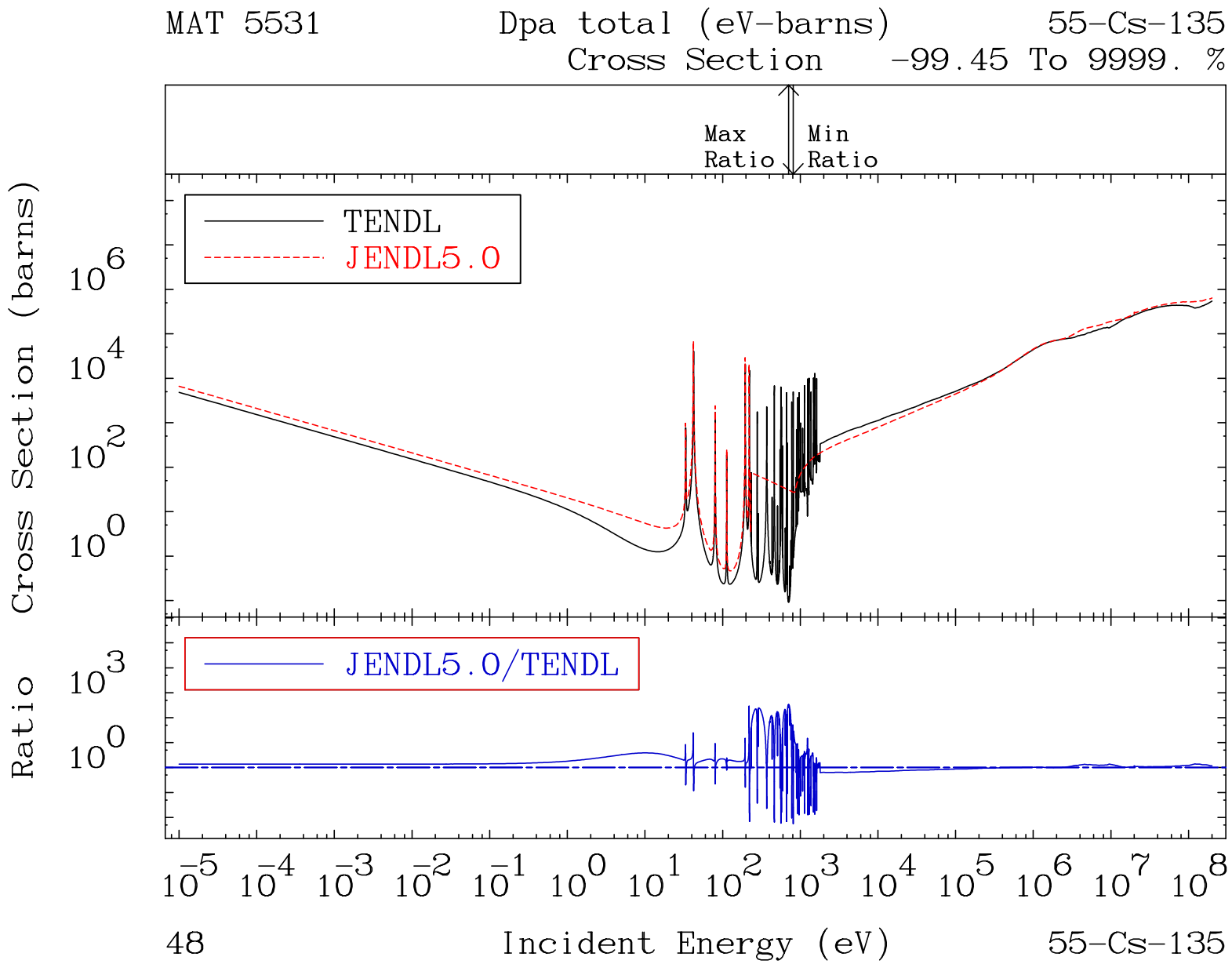

MAT 5531
Kerma inelastic (mt51-91)
55-Cs-135
Cross Section -104.8 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 251.63 keV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
55-Cs-135

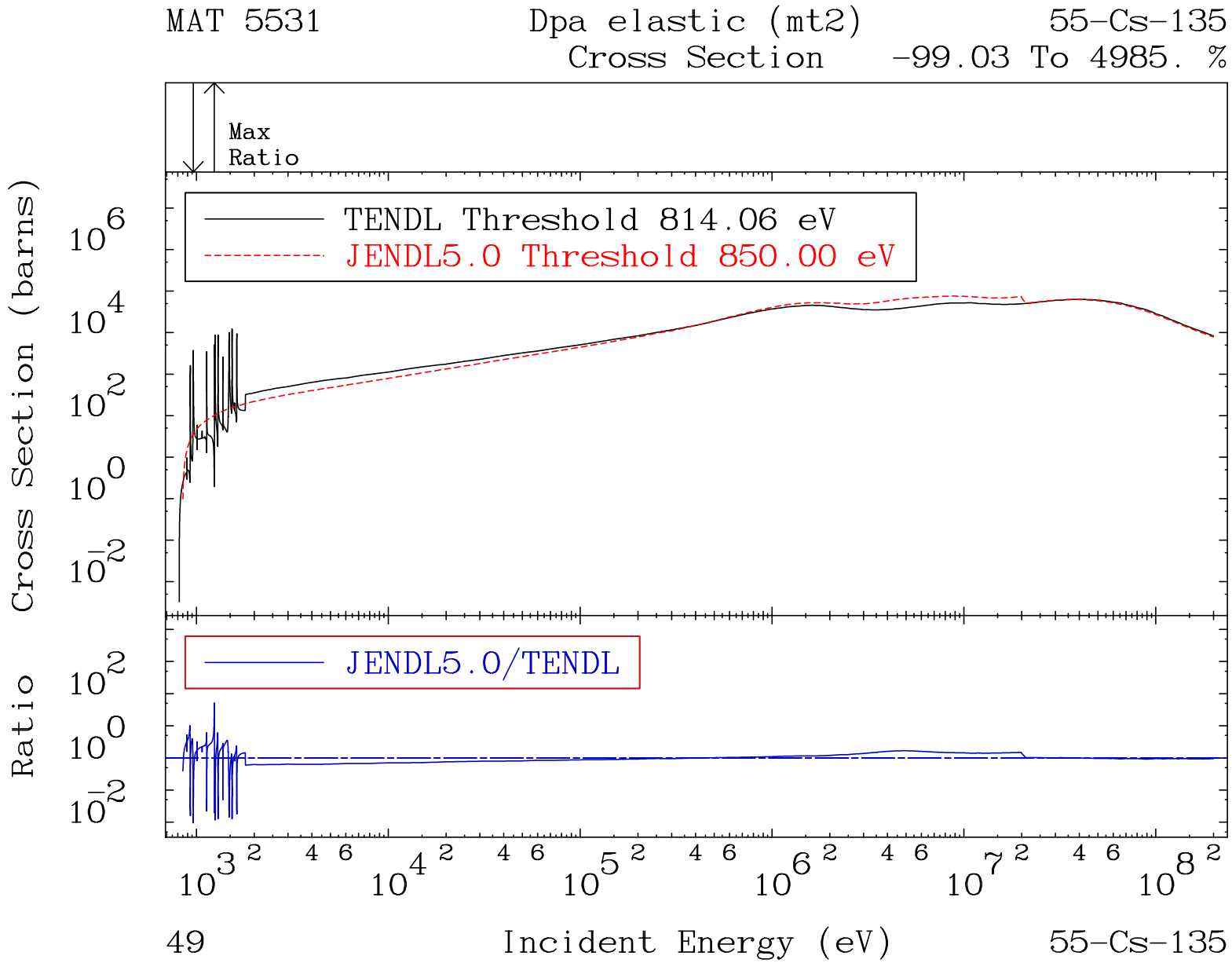

MAT 5531 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-135
Cross Section -104.8 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
6
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
44
55-Cs-135

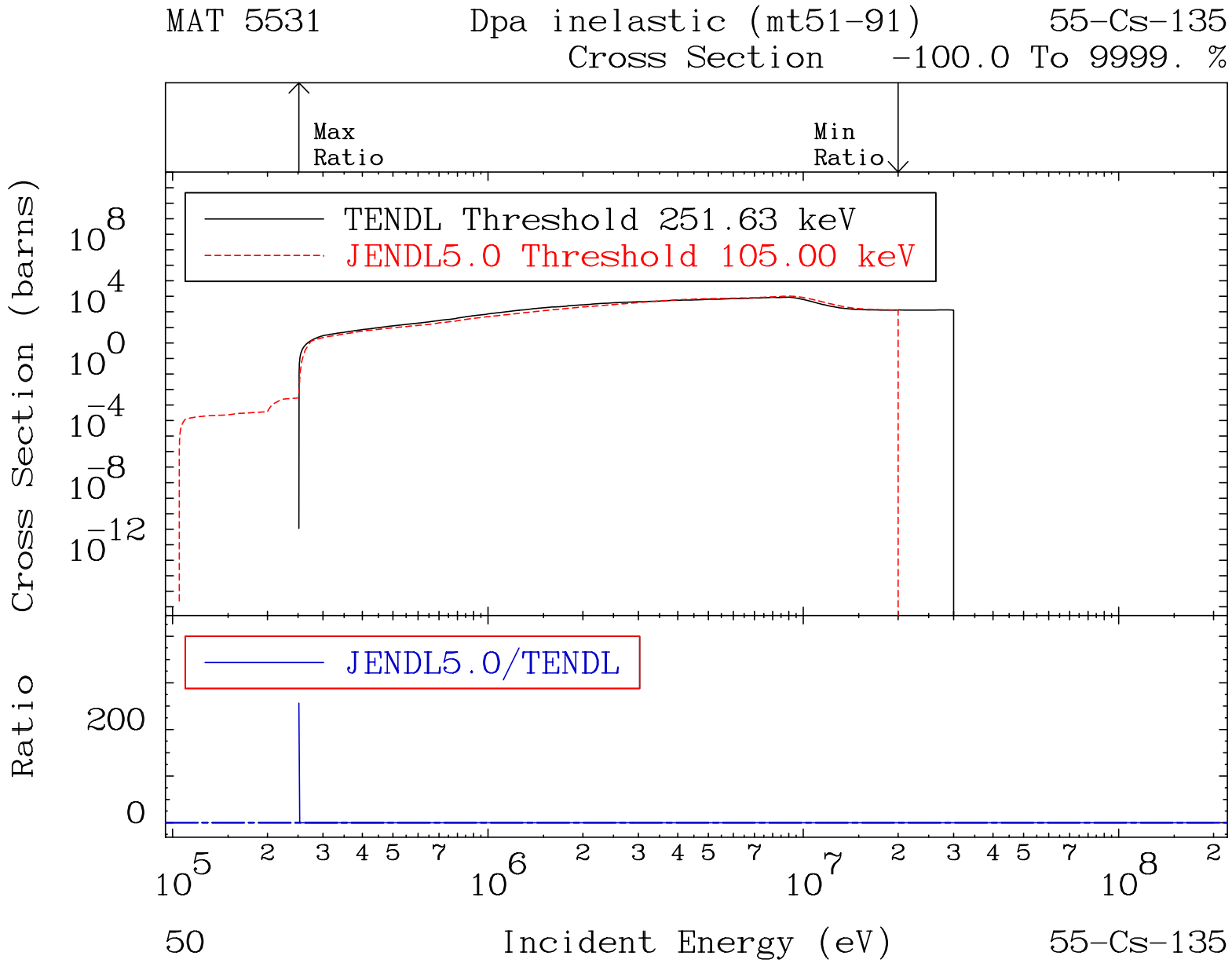

MAT 5531
Kerma capture (mt102)
55-Cs-135
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
55-Cs-135

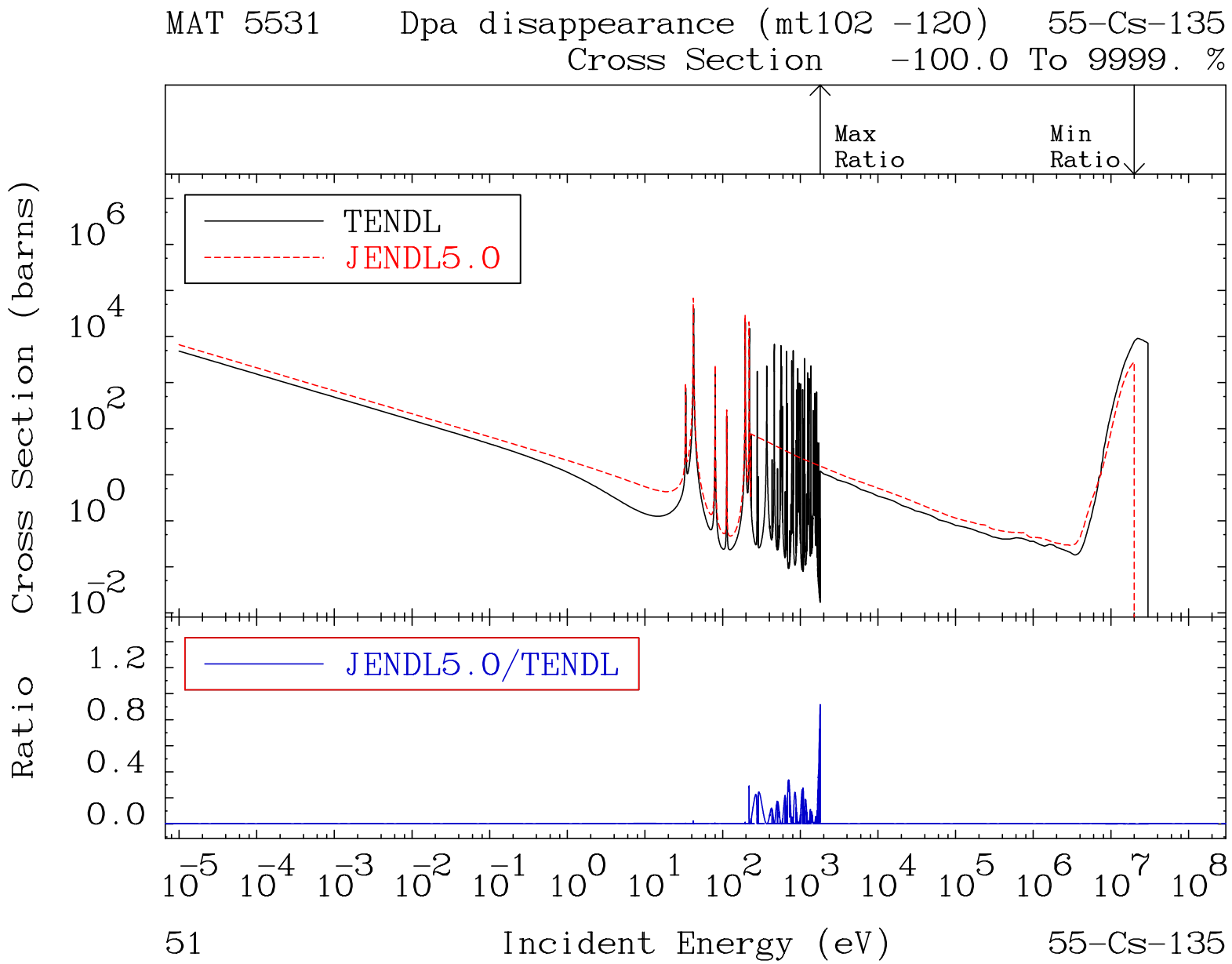

MAT 5531
Total photon (eV-barns)
55-Cs-135
Cross Section -99.60 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
55-Cs-135

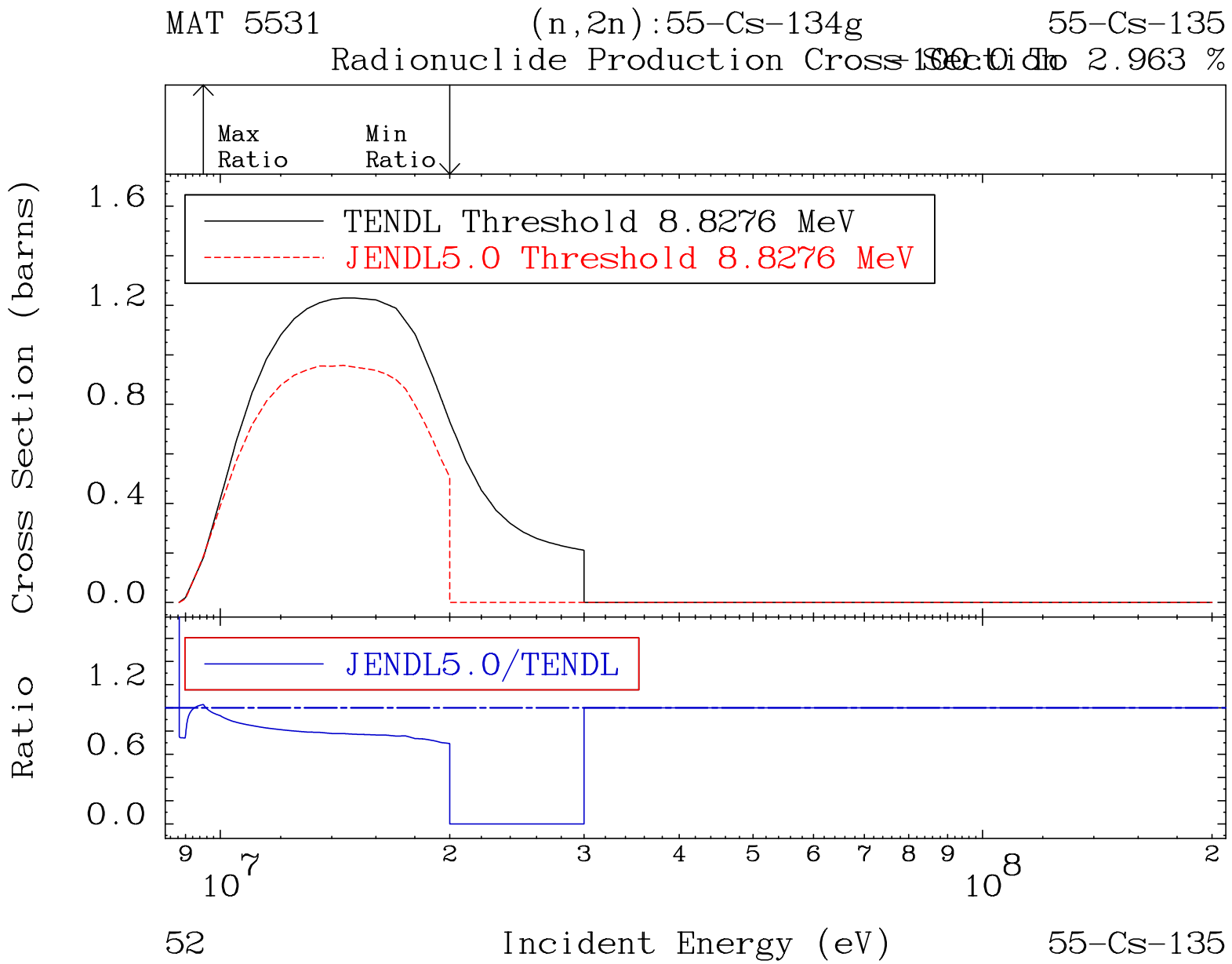

MAT 5531 Total kinematic kerma (high limit) 55-Cs-135
Cross Section -99.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
55-Cs-135

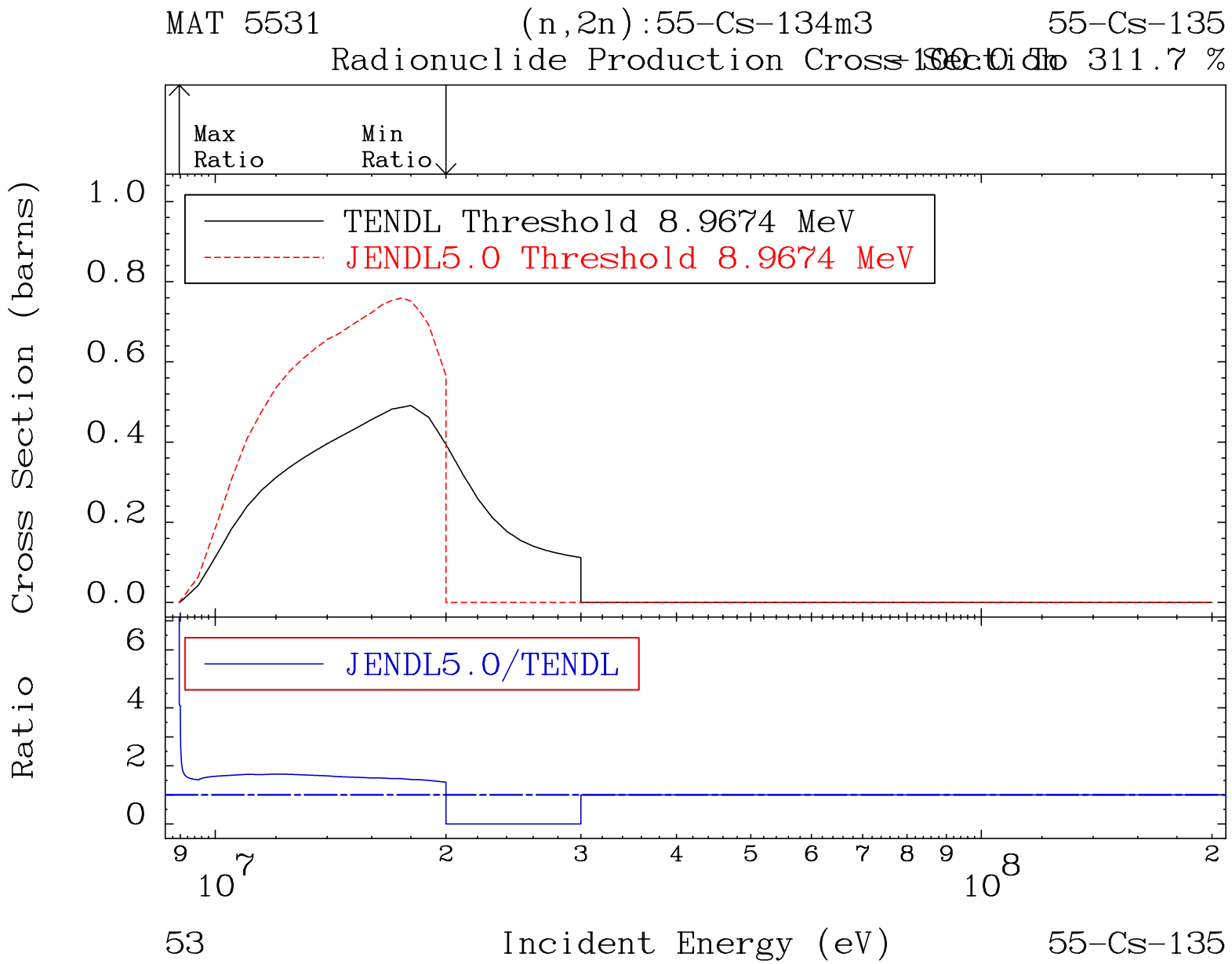

MAT 5531
Dpa total (eV-barns)
55-Cs-135
Cross Section -99.45 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
55-Cs-135

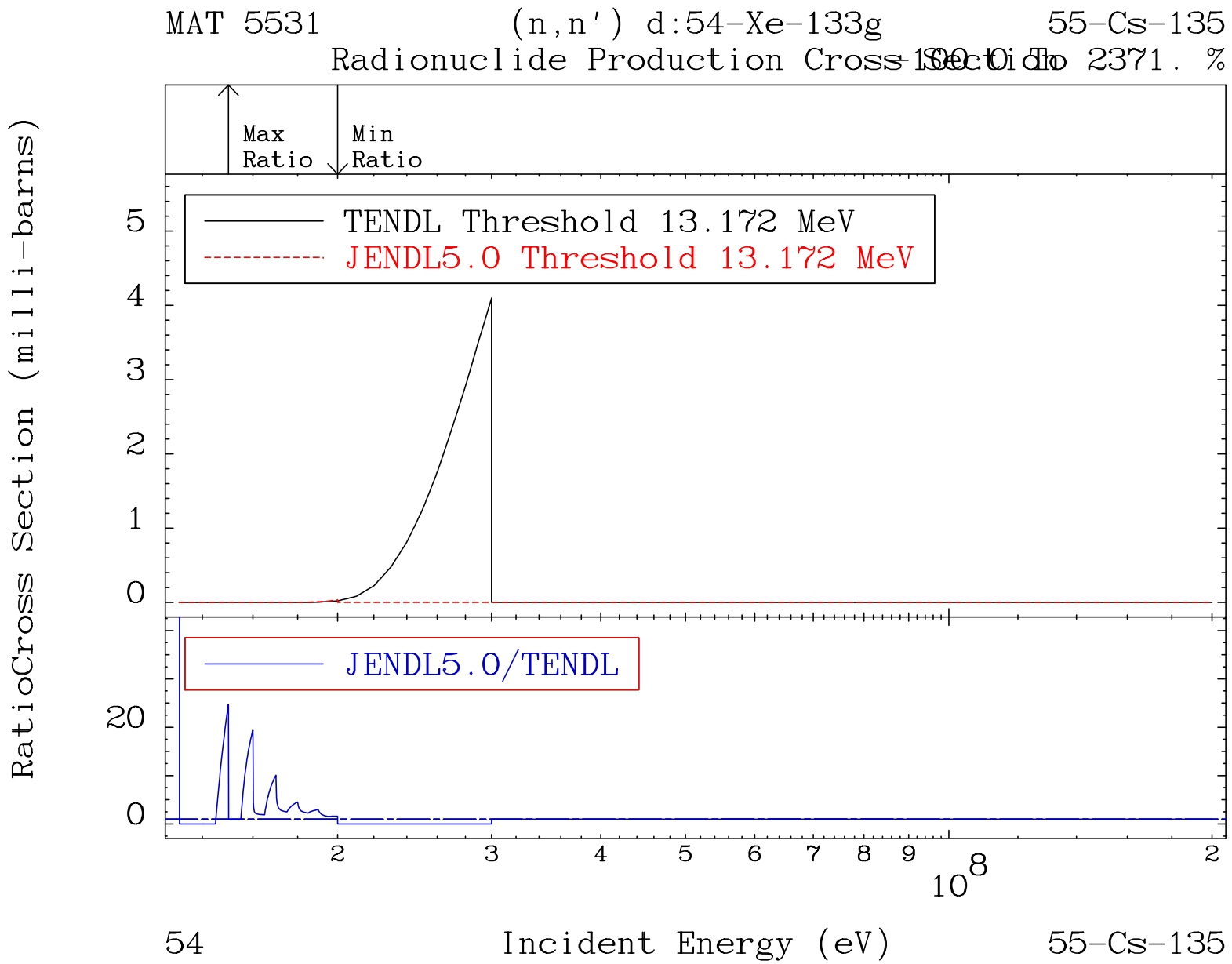

MAT 5531
Dpa elastic (mt2)
Cross Section
55-Cs-135
-99.03 To 4985. %
Max
Ratio
TENDL Threshold 814.06 eV
JENDL5.0 Threshold 850.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
55-Cs-135

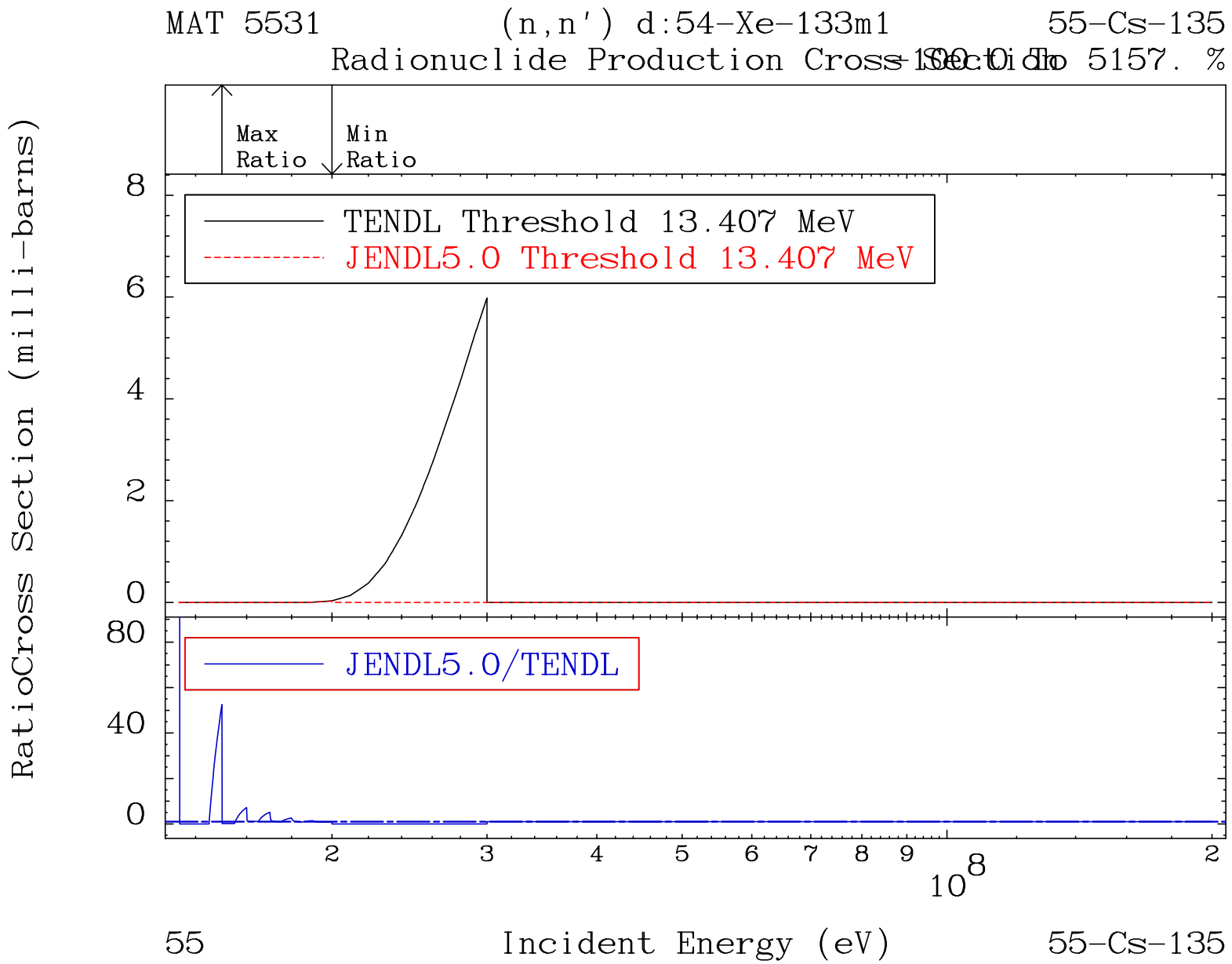

MAT 5531
Dpa inelastic (mt51-91)
55-Cs-135
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 251.63 keV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
55-Cs-135

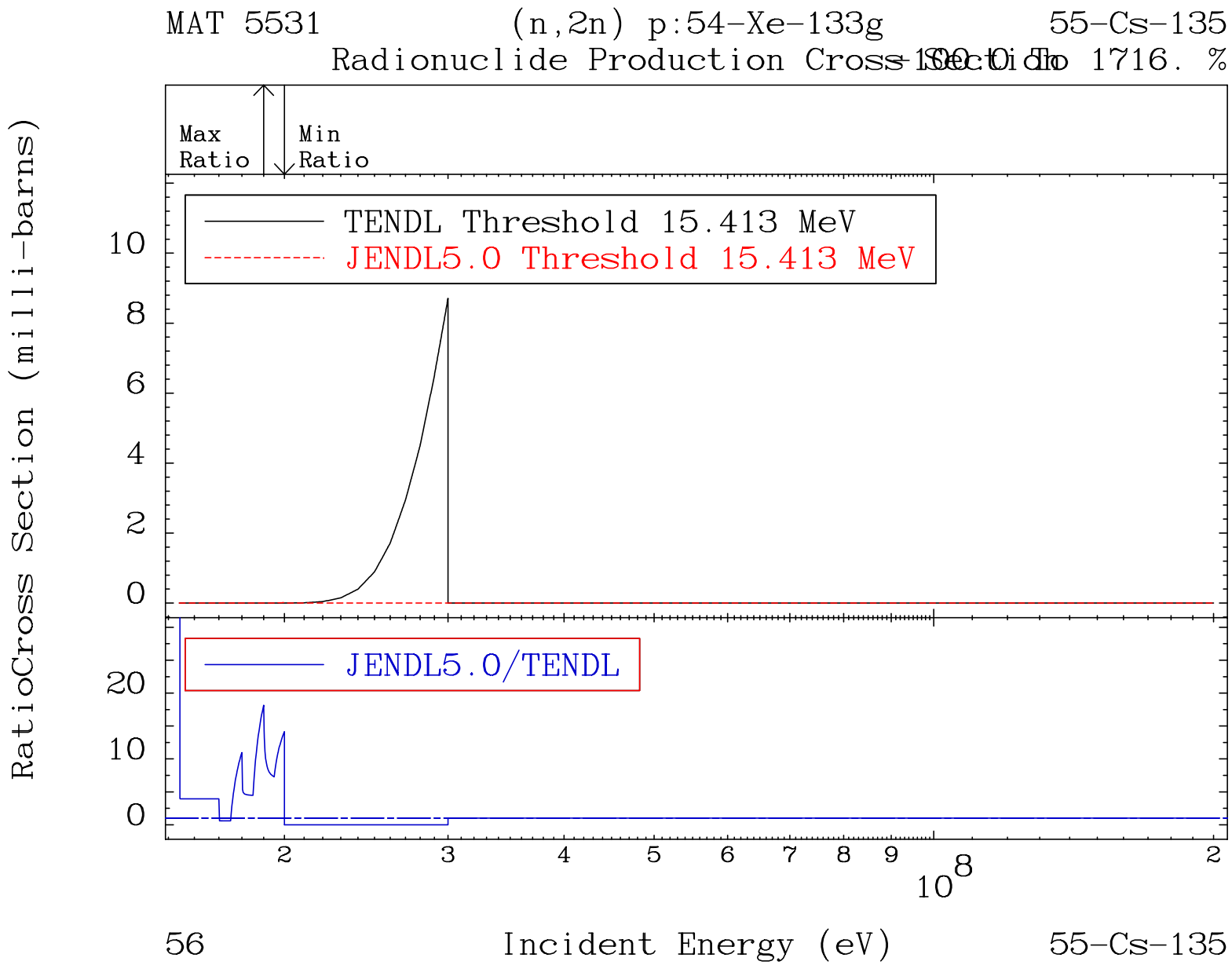

MAT 5531 Dpa disappearance (mt102 -120) 55-Cs-135
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
55-Cs-135

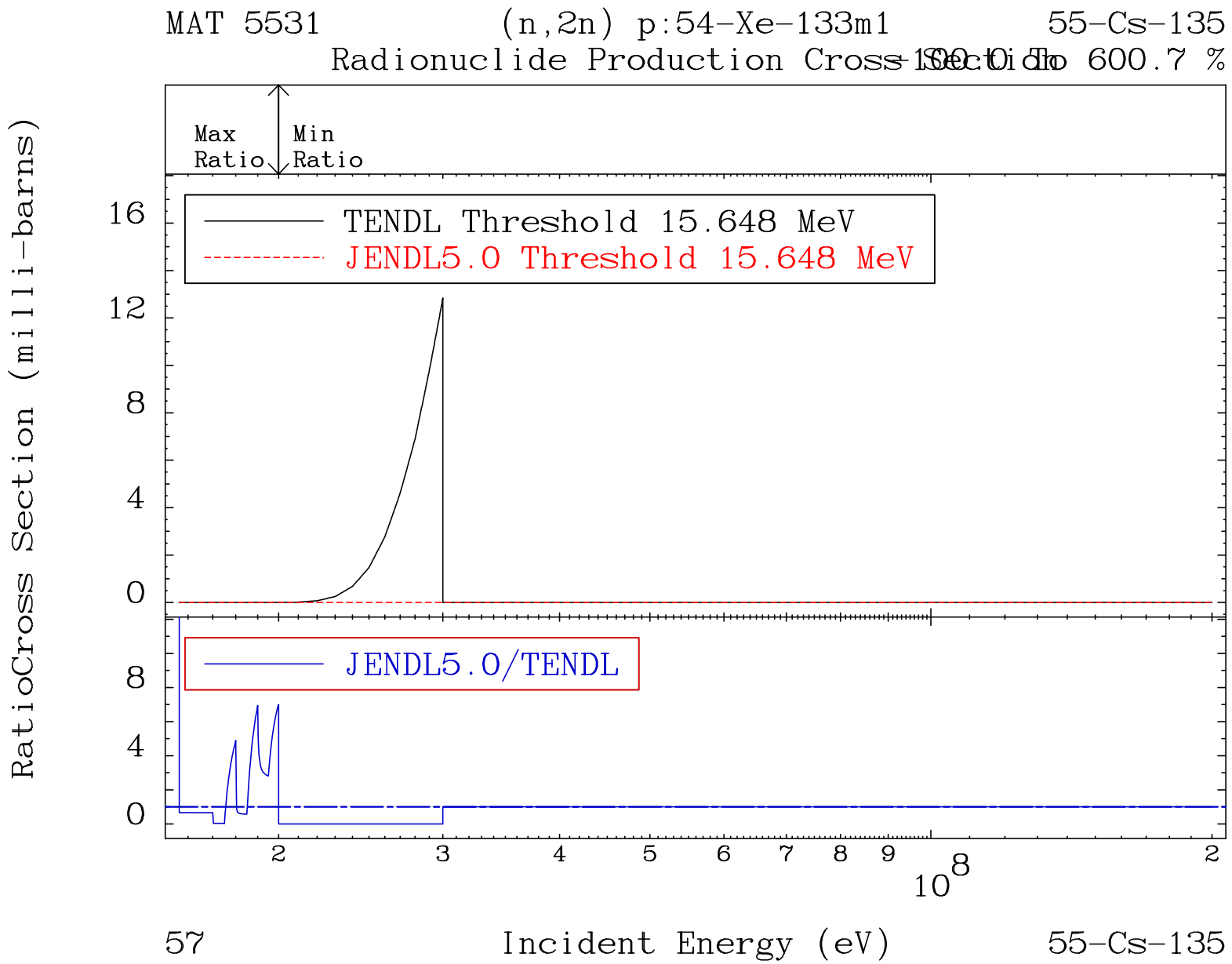

MAT 5531
(n,2n):55-Cs-134g
55-Cs-135
Radionuclide Production Cross Section To 2.963 %
Max Ratio
Min Ratio
TENDL Threshold 8.8276 MeV
JENDL5.0 Threshold 8.8276 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
55-Cs-135

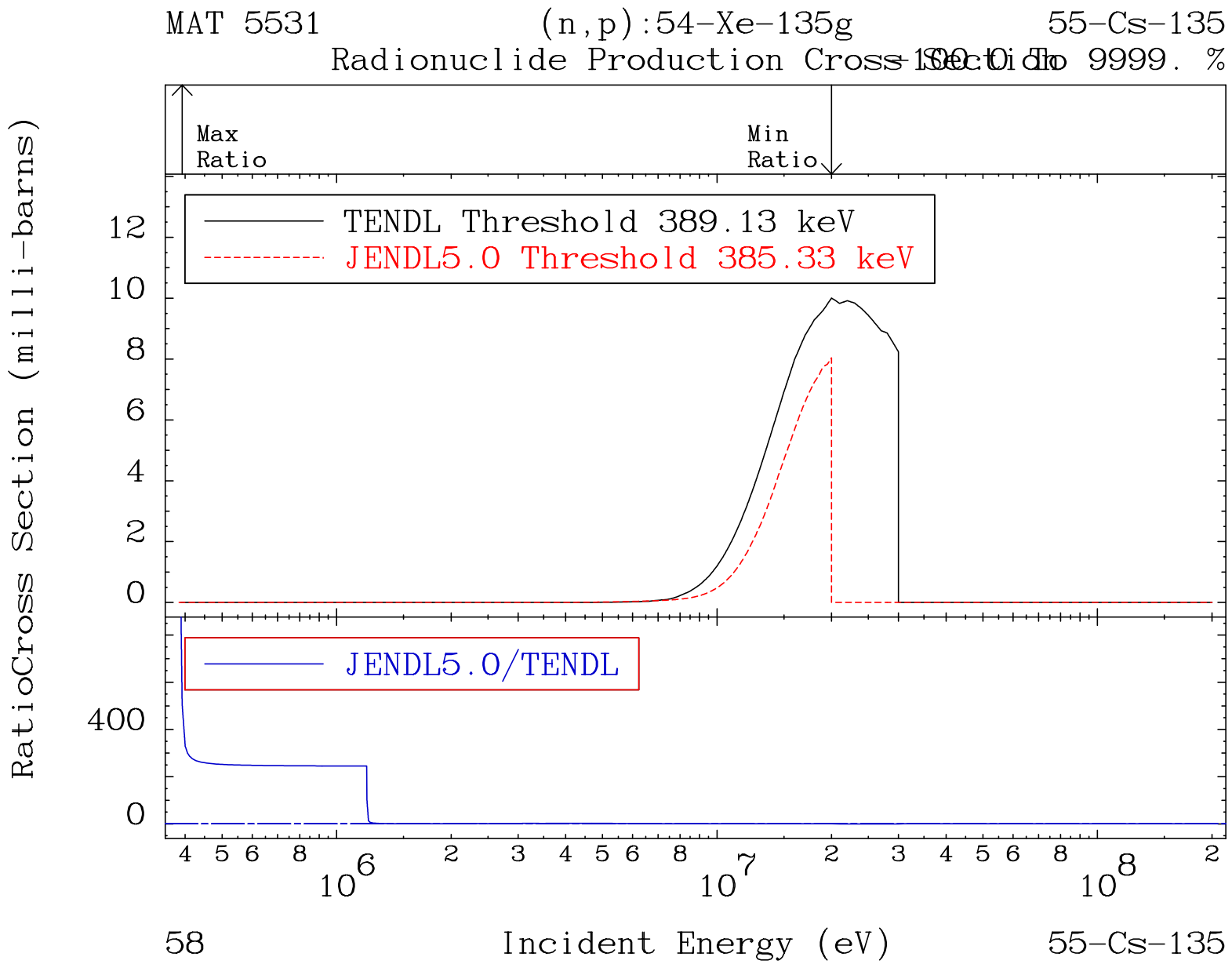

MAT 5531
(n,2n):55-Cs-134m3
55-Cs-135
Radionuclide Production Cross Section To 311.7 %
Max Ratio
Min Ratio
TENDL Threshold 8.9674 MeV
JENDL5.0 Threshold 8.9674 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
6
4
2
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
55-Cs-135

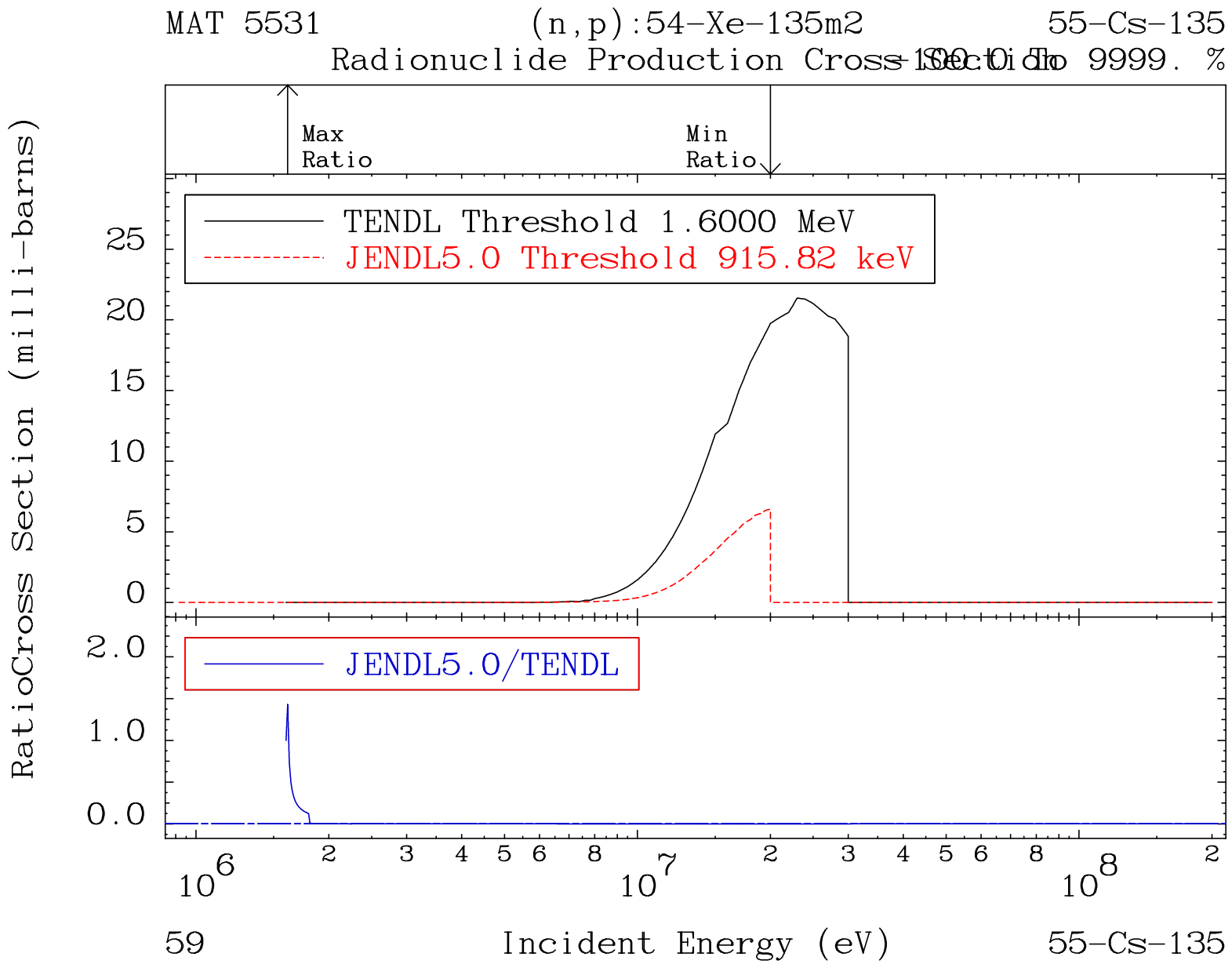

MAT 5531
(n,n') d:54-Xe-133g
55-Cs-135
Radionuclide Production Cross Section To 2371. %
Max Ratio
Min Ratio
TENDL Threshold 13.172 MeV
JENDL5.0 Threshold 13.172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54
55-Cs-135

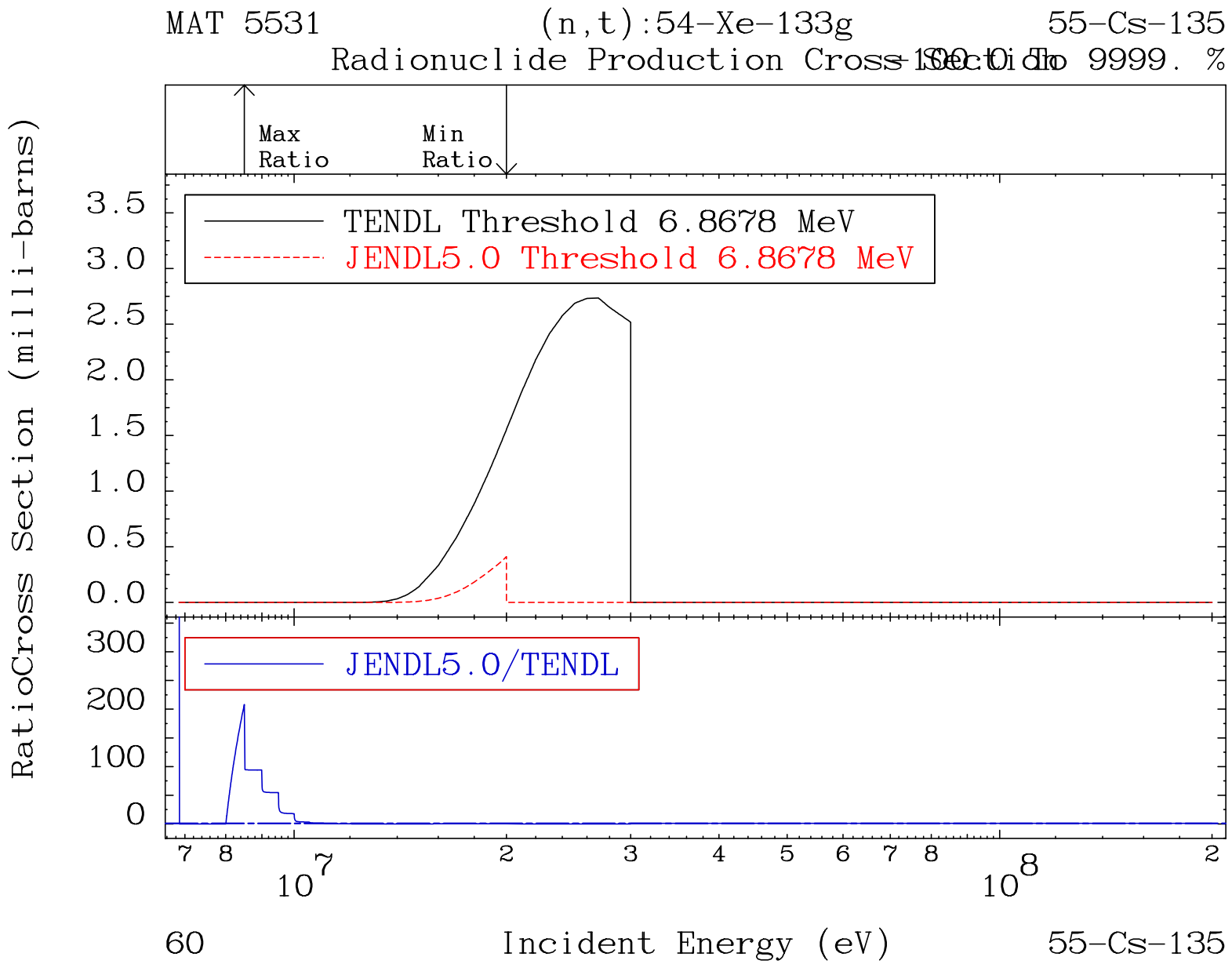

MAT 5531
(n,n') d:54-Xe-133m1
55-Cs-135
Radionuclide Production Cross Section To 5157. %
Max Ratio
Min Ratio
TENDL Threshold 13.407 MeV
JENDL5.0 Threshold 13.407 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
55-Cs-135

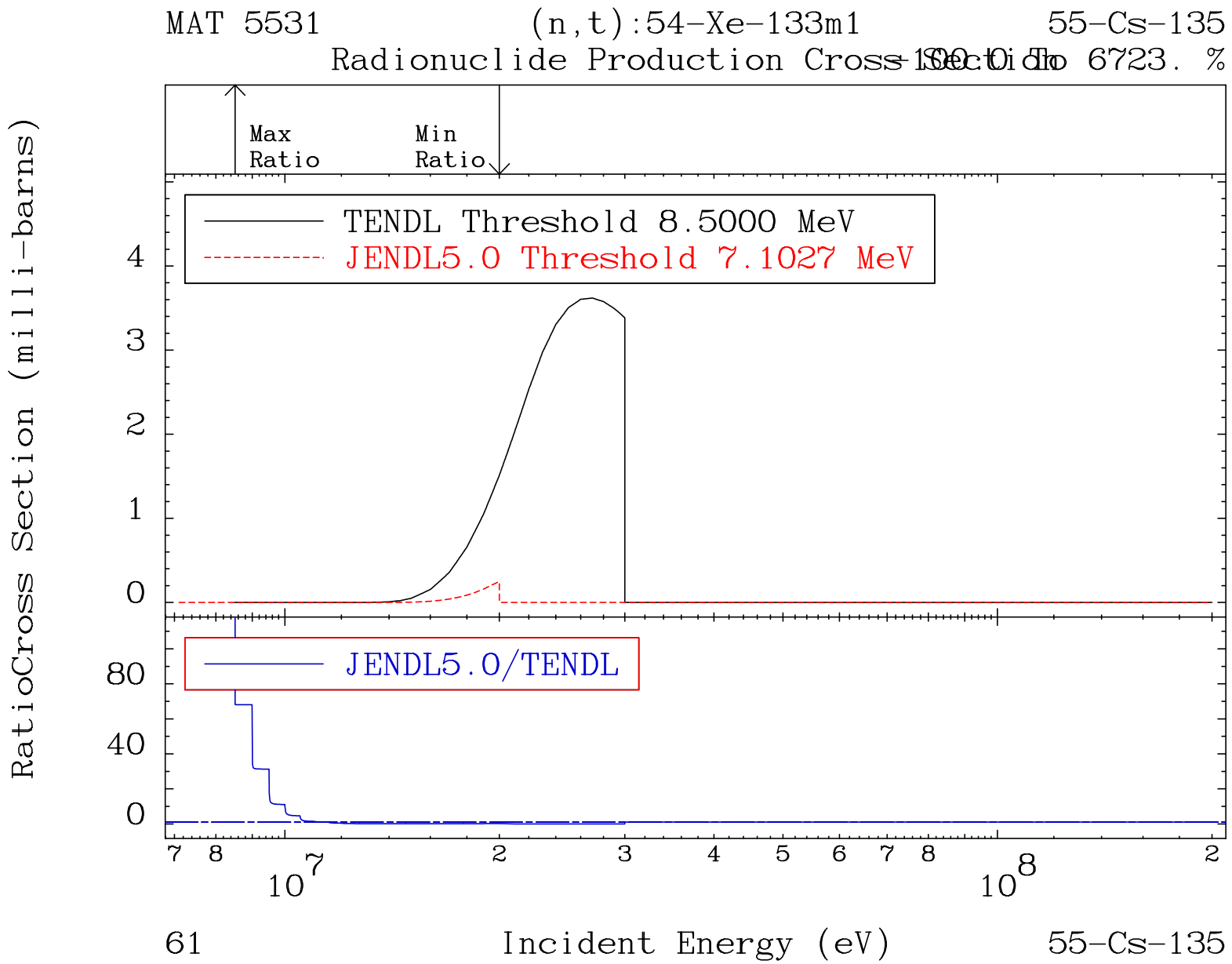

MAT 5531
(n,2n) p:54-Xe-133g
55-Cs-135
Radionuclide Production Cross Section To 1716. %
Max Ratio
Min Ratio
TENDL Threshold 15.413 MeV
JENDL5.0 Threshold 15.413 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
55-Cs-135


MAT 5531
(n,2n) p:54-Xe-133m1
55-Cs-135
Radionuclide Production Cross Section To 600.7 %
Max Ratio
Min Ratio
TENDL Threshold 15.648 MeV
JENDL5.0 Threshold 15.648 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
55-Cs-135


MAT 5531
(n,p):54-Xe-135g
55-Cs-135
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 389.13 keV
JENDL5.0 Threshold 385.33 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
400
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
58
Incident Energy (eV)
55-Cs-135


MAT 5531
(n,p):54-Xe-135m2
55-Cs-135
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 1.6000 MeV
JENDL5.0 Threshold 915.82 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
55-Cs-135


MAT 5531
(n,t):54-Xe-133g
55-Cs-135
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8678 MeV
JENDL5.0 Threshold 6.8678 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
300
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
60
Incident Energy (eV)
55-Cs-135


MAT 5531
(n,t):54-Xe-133m1
55-Cs-135
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JENDL5.0 Threshold 7.1027 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
55-Cs-135