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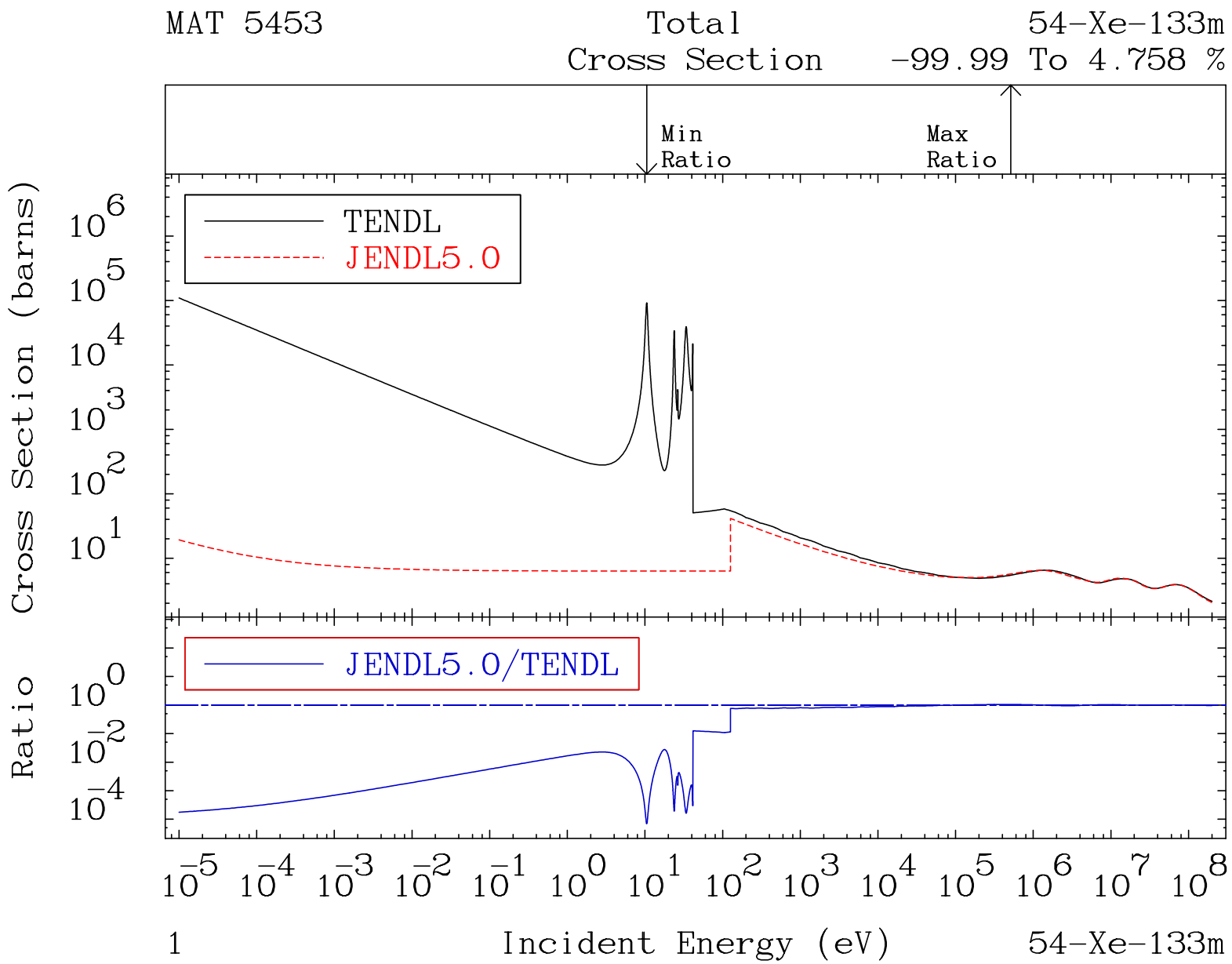
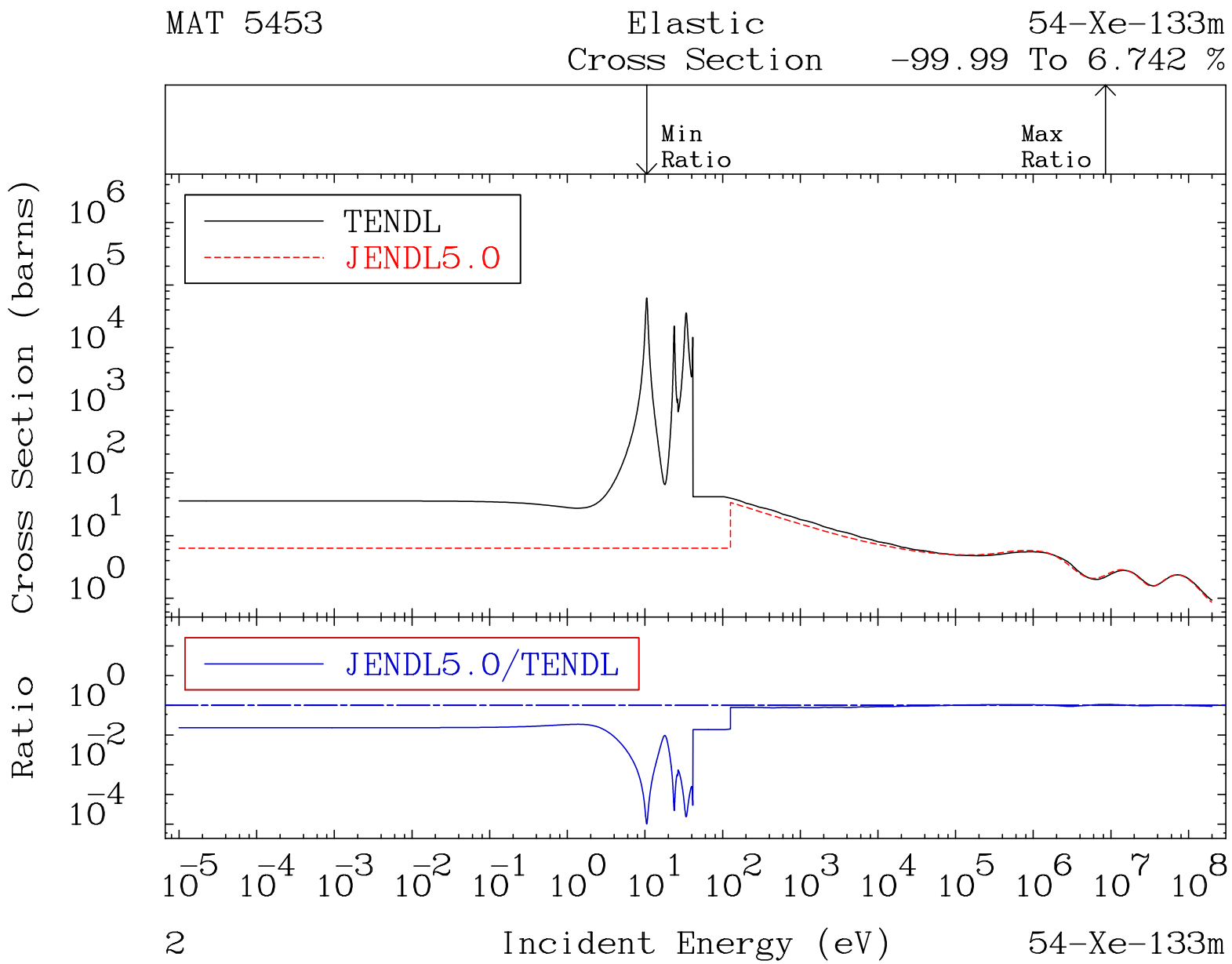
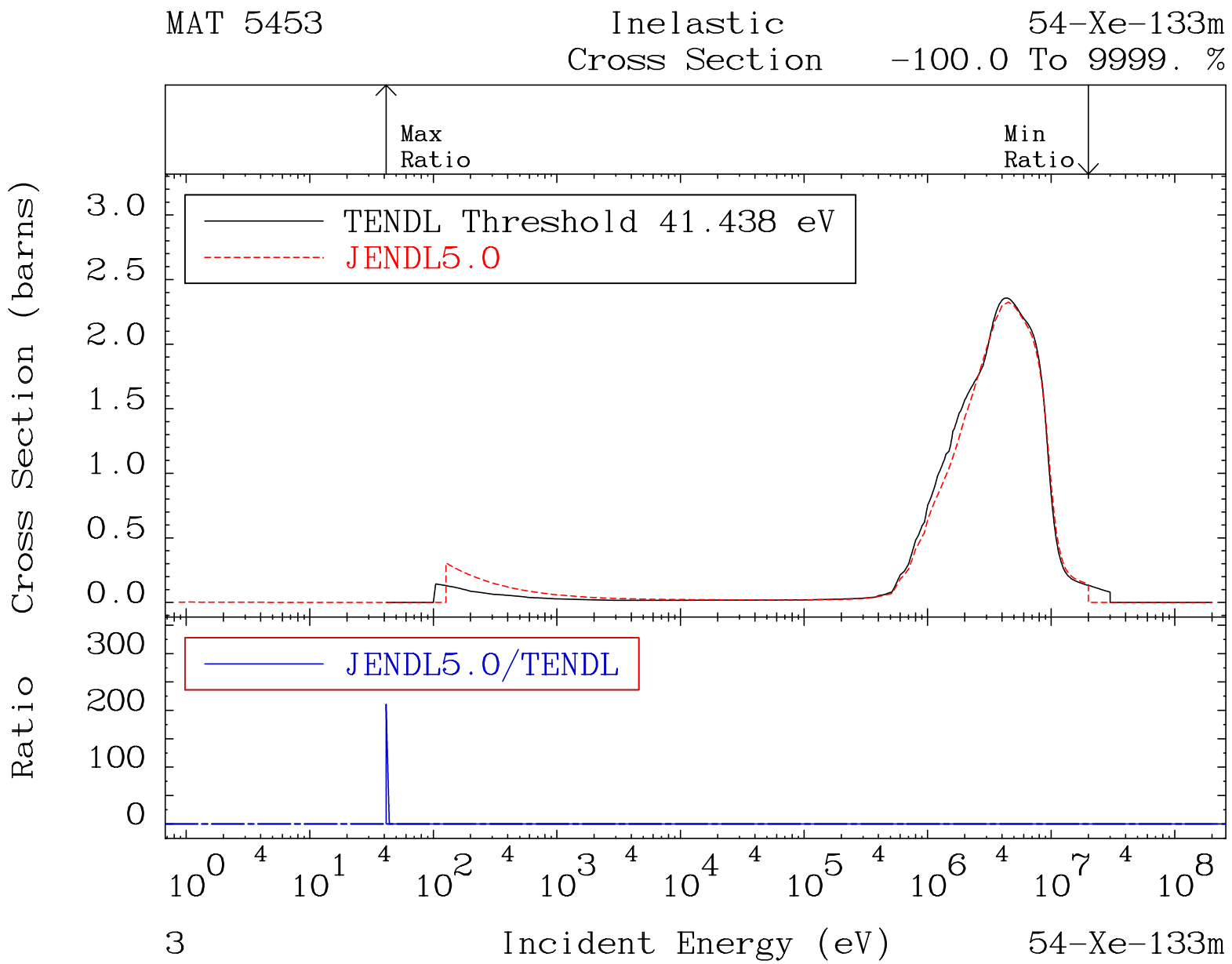
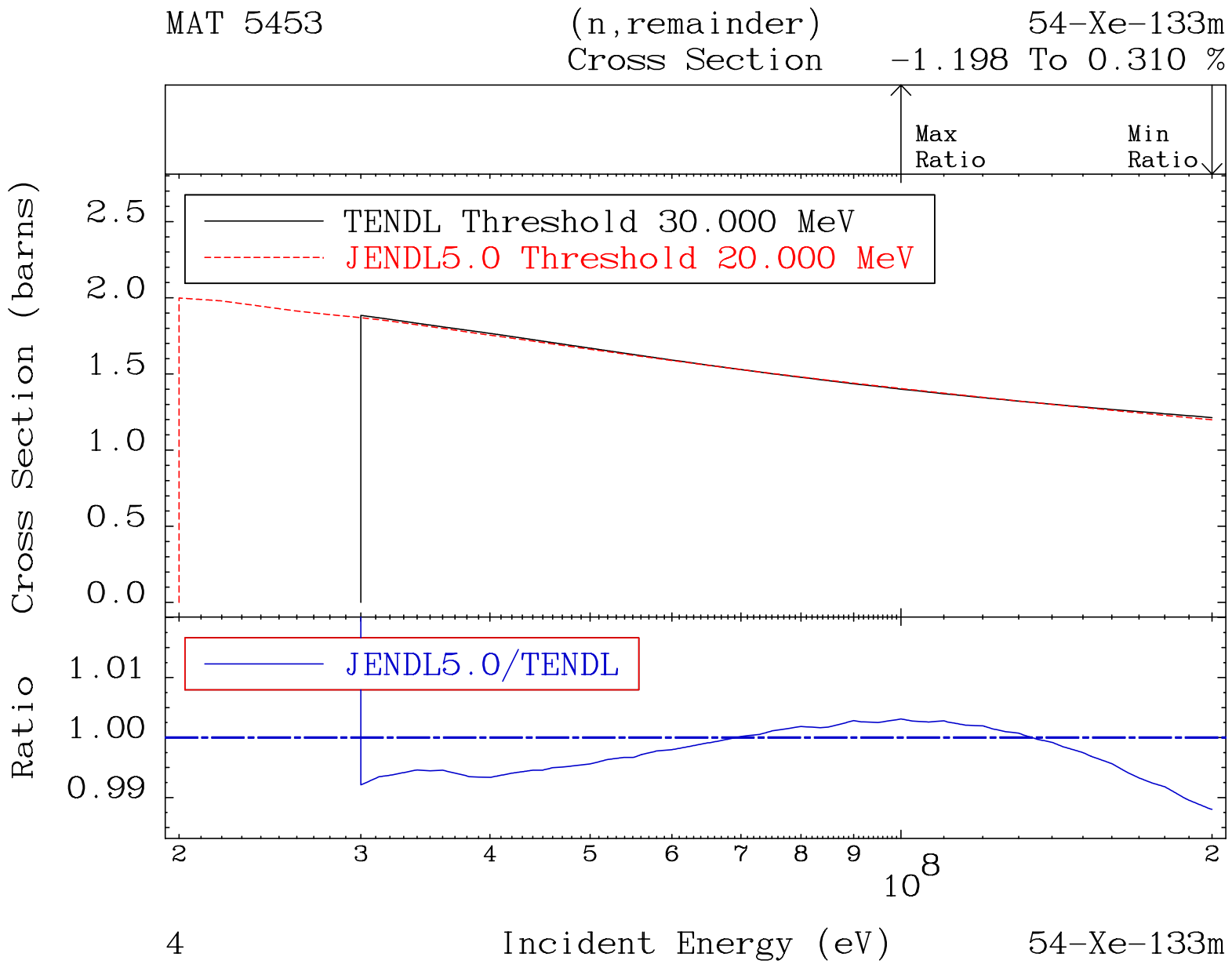
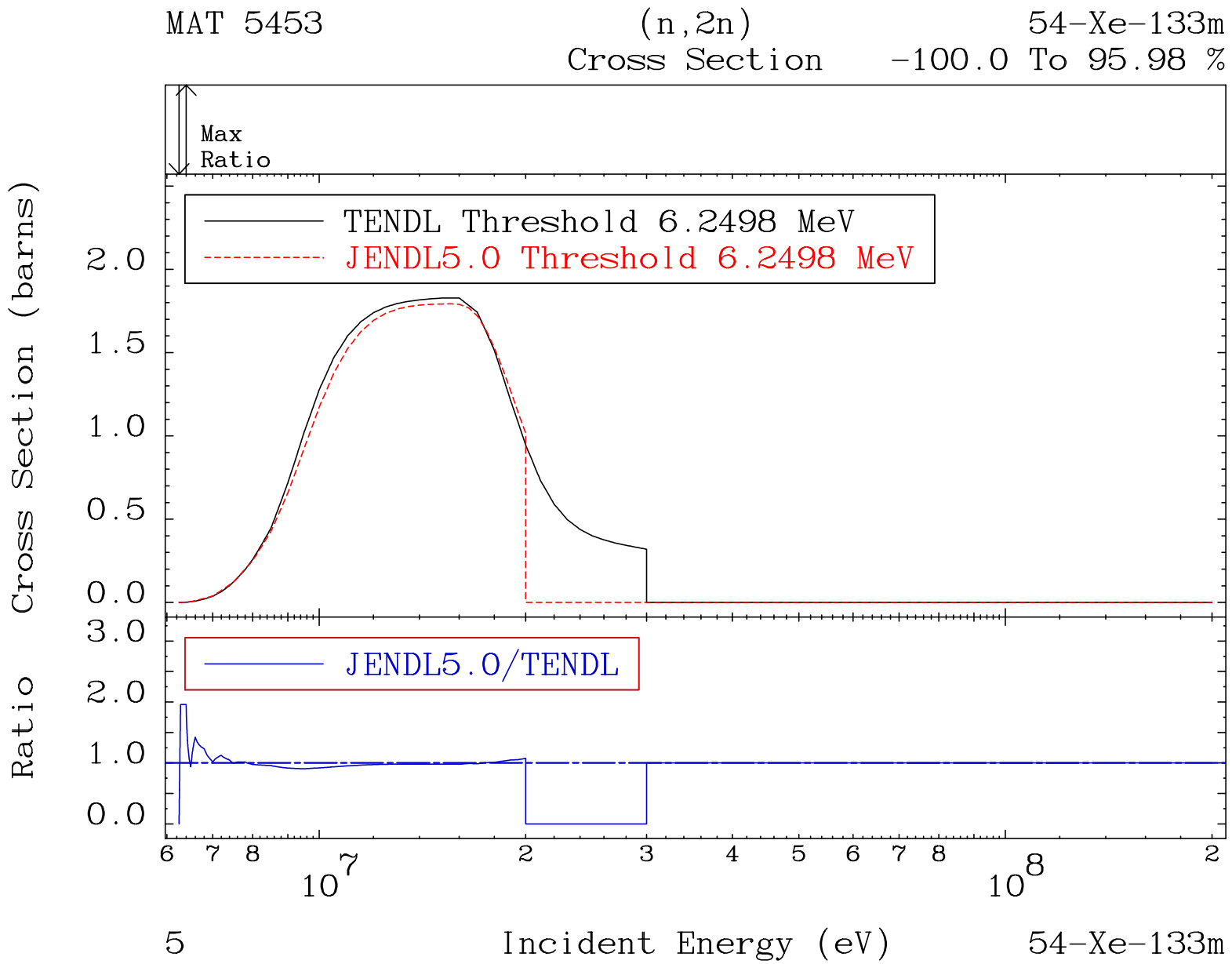
Press Mouse Button to Start

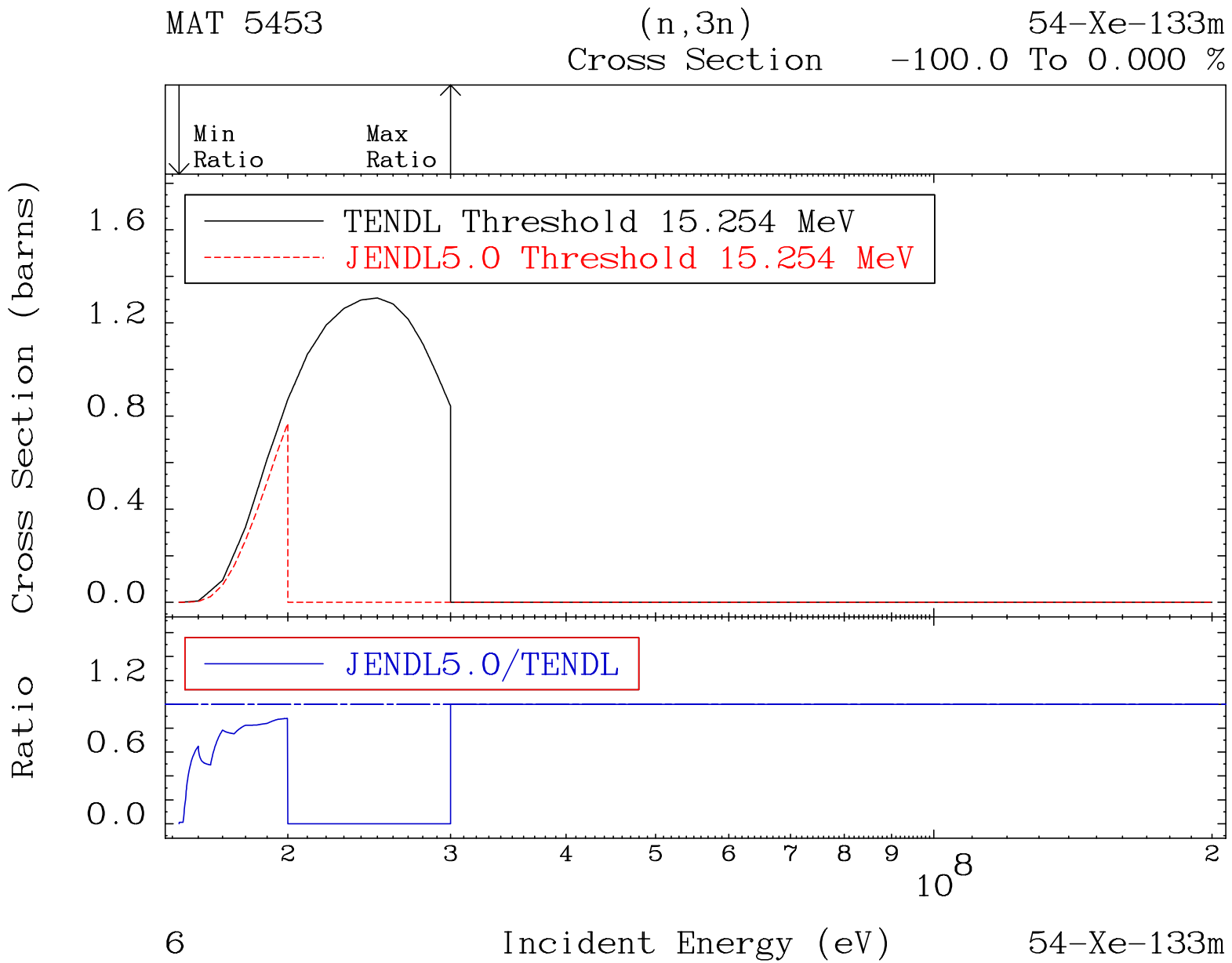

MAT 5453
Total
Cross Section
54-Xe-133m
-99.99 To 4.758 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
54-Xe-133m

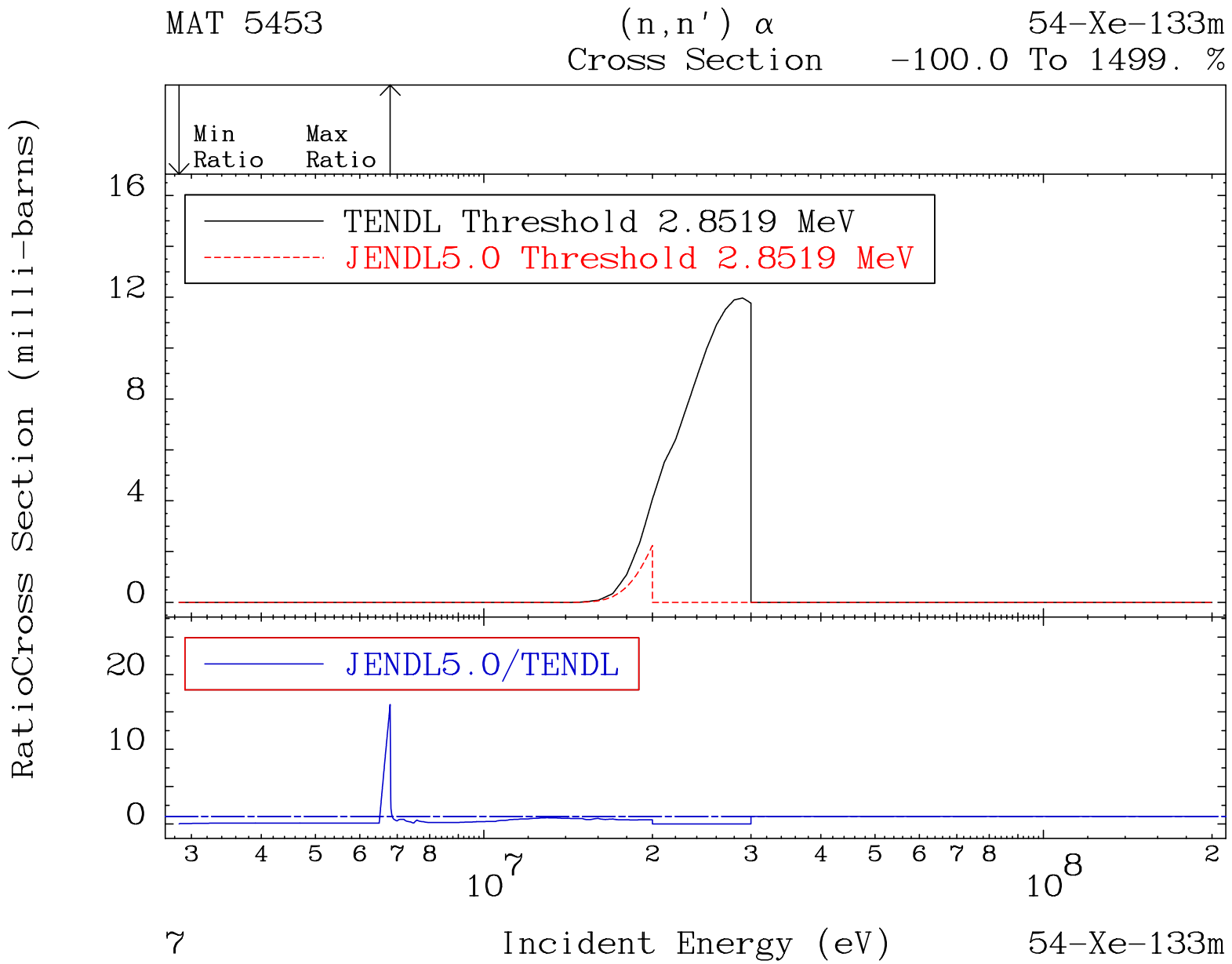

MAT 5453
Elastic
Cross Section
54-Xe-133m
-99.99 To 6.742 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
54-Xe-133m

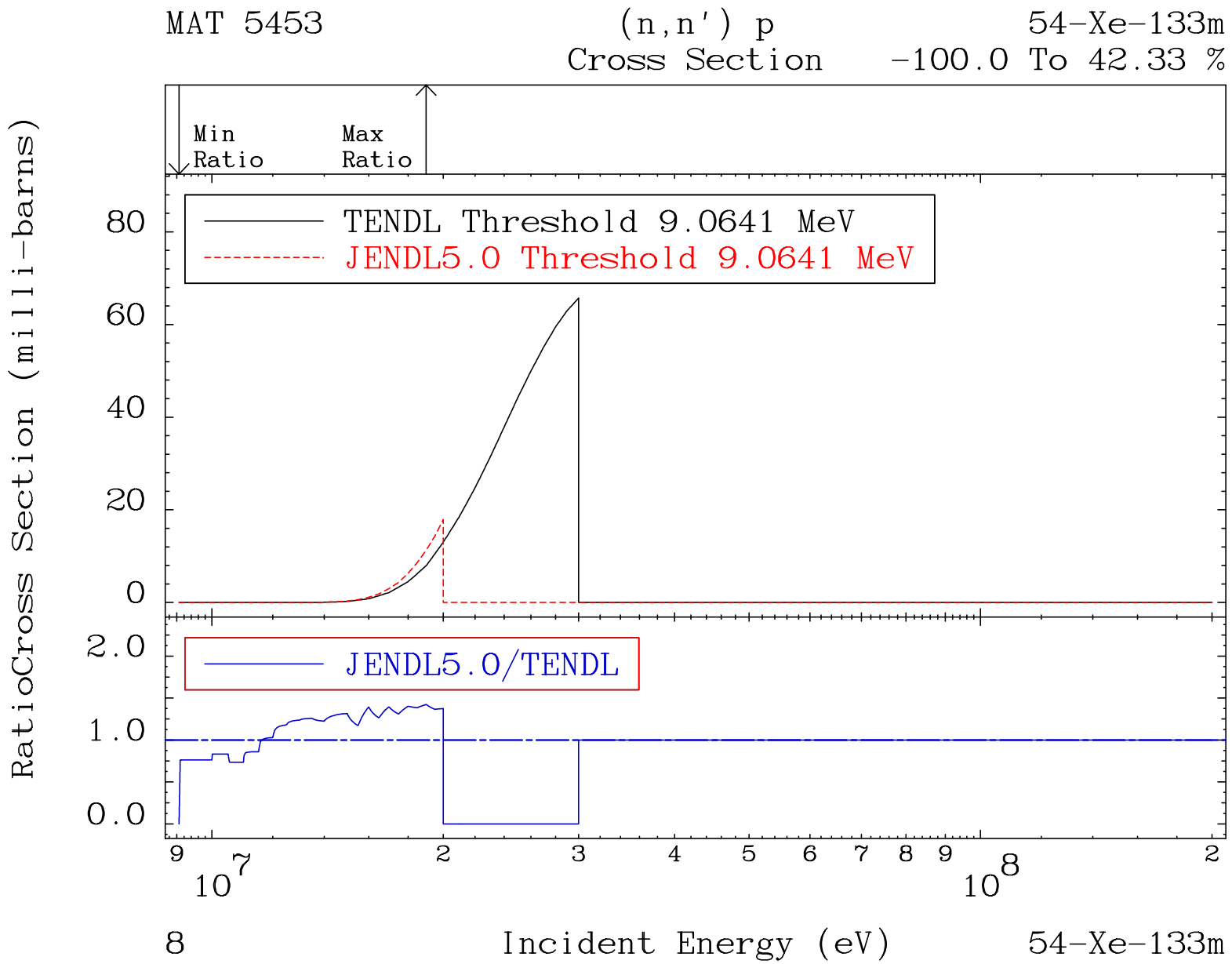

MAT 5453
Inelastic
Cross Section
54-Xe-133m
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 41.438 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
300
200
100
0
10^0 4 10^1 4 10^2 4 10^3 4 10^4 4 10^5 4 10^6 4 10^7 4 10^8
Incident Energy (eV)
3
54-Xe-133m

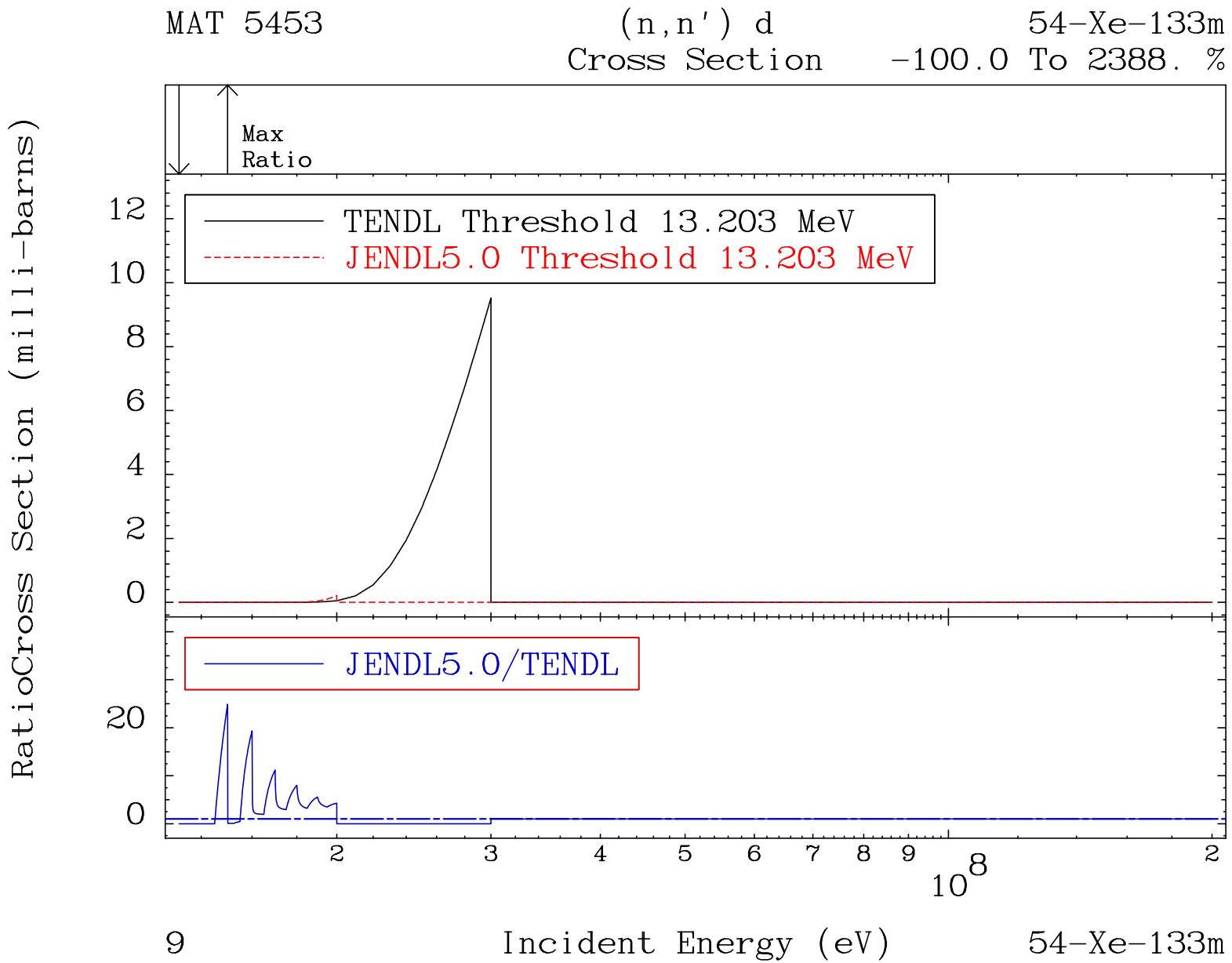

MAT 5453
(n,remainder)
Cross Section
54-Xe-133m
-1.198 To 0.310 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
54-Xe-133m

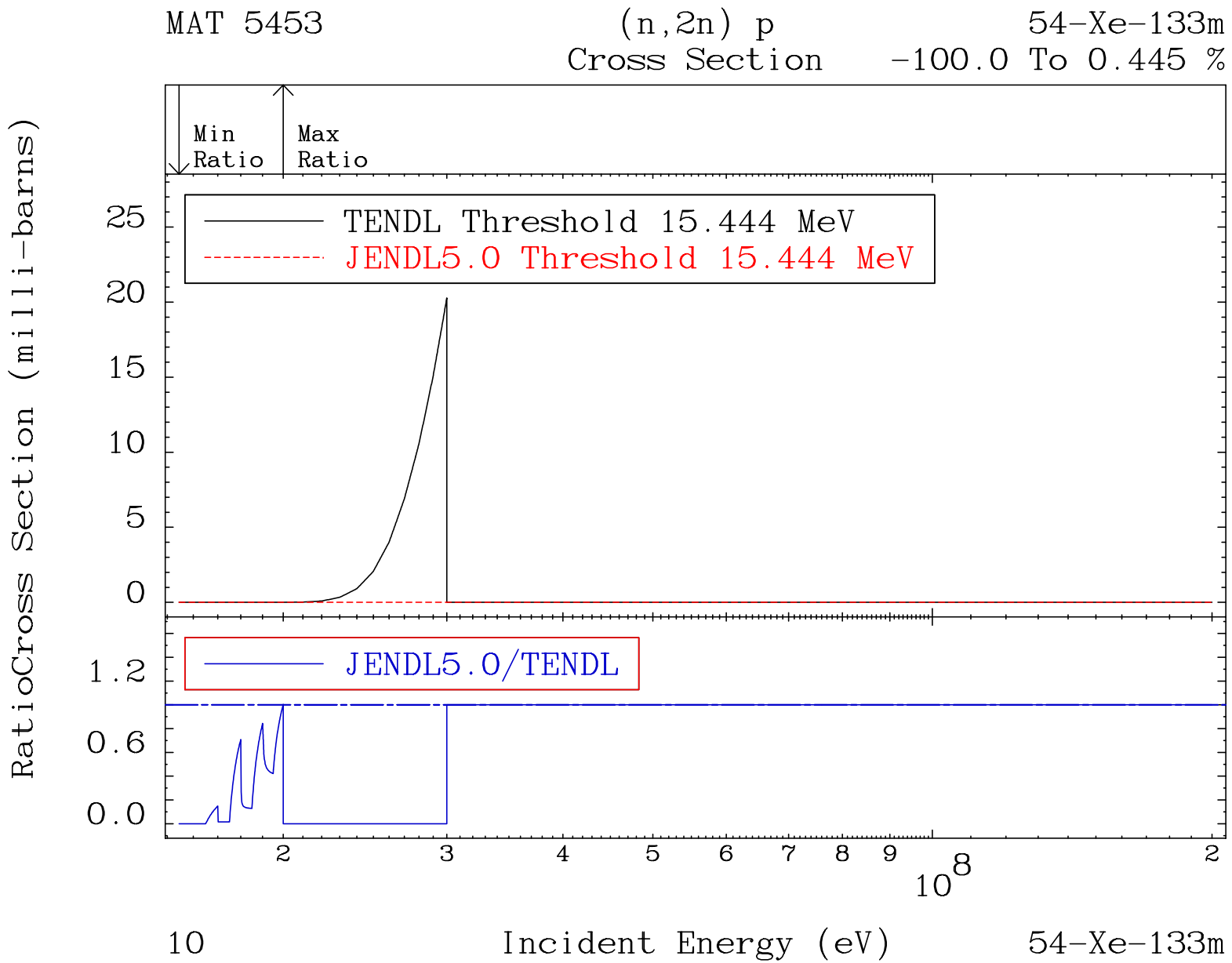

MAT 5453
(n,2n)
Cross Section
54-Xe-133m
-100.0 To 95.98 %
Max
Ratio
TENDL Threshold 6.2498 MeV
JENDL5.0 Threshold 6.2498 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
5
54-Xe-133m

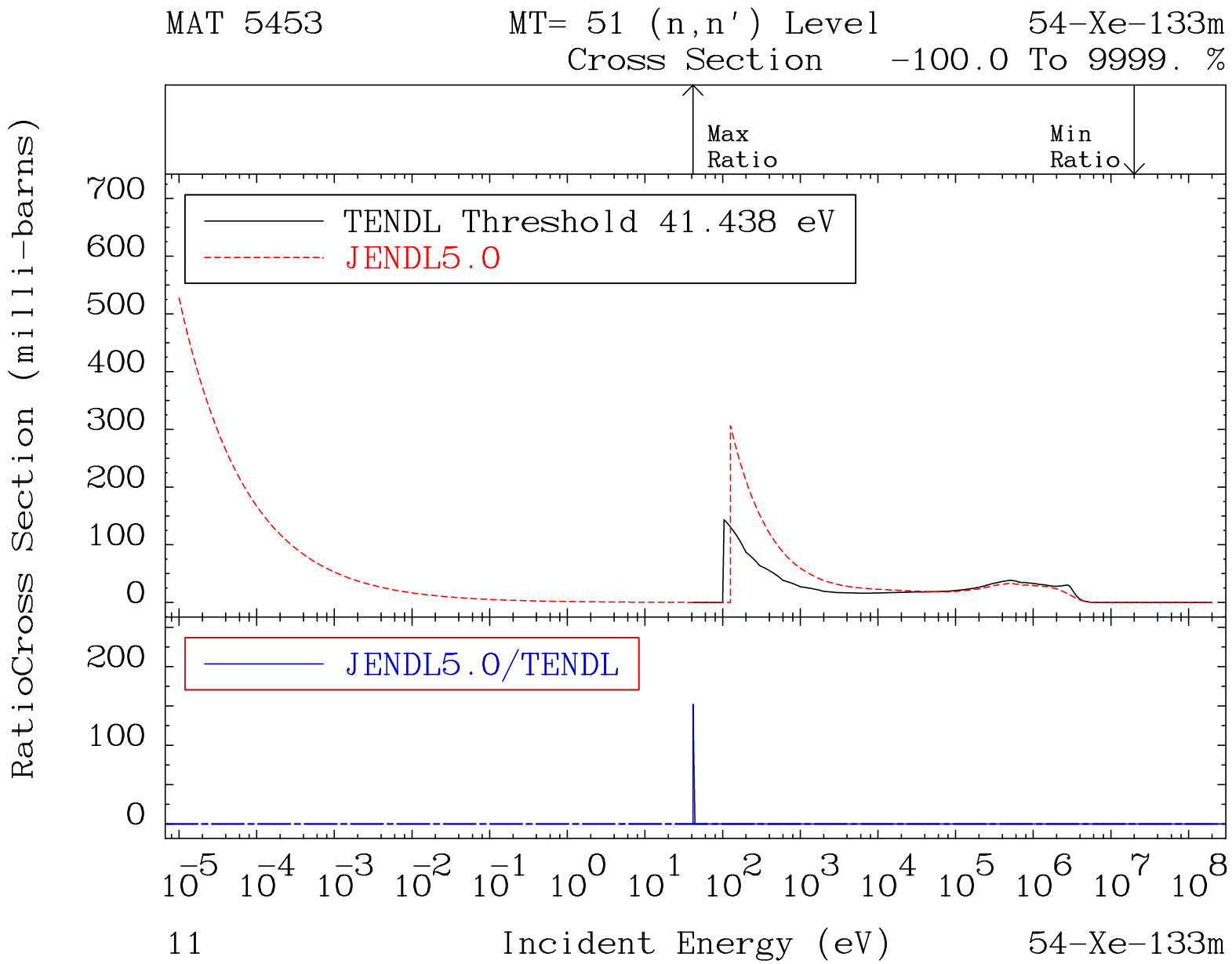

MAT 5453
(n,3n)
54-Xe-133m
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.254 MeV
JENDL5.0 Threshold 15.254 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
54-Xe-133m

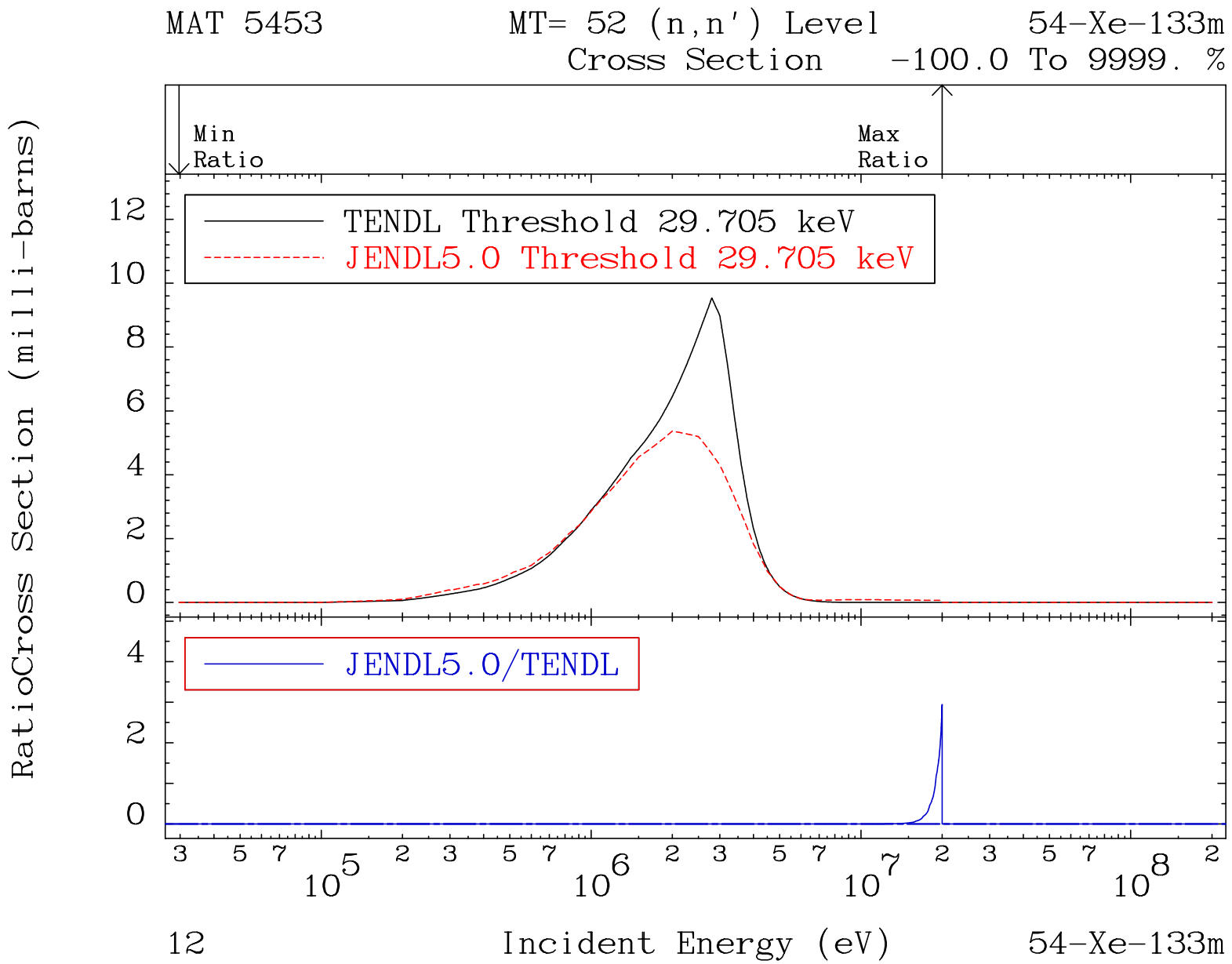

MAT 5453
(n,n') α
54-Xe-133m
Cross Section
-100.0 To 1499. %
Min Ratio
Max Ratio
TENDL Threshold 2.8519 MeV
JENDL5.0 Threshold 2.8519 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54-Xe-133m

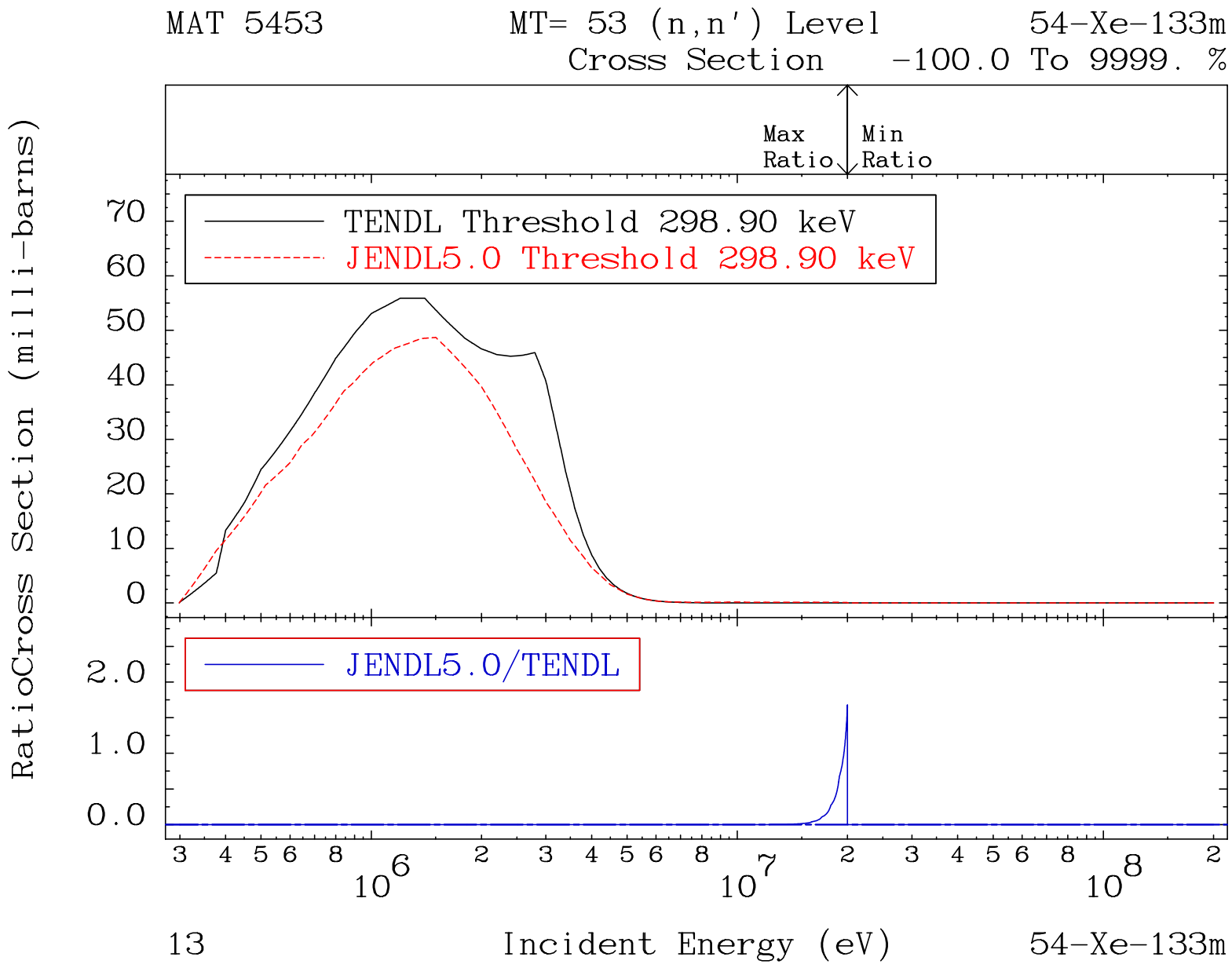

MAT 5453
(n,n') p
Cross Section
54-Xe-133m
-100.0 To 42.33 %
Min Ratio
Max Ratio
TENDL Threshold 9.0641 MeV
JENDL5.0 Threshold 9.0641 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54-Xe-133m
8

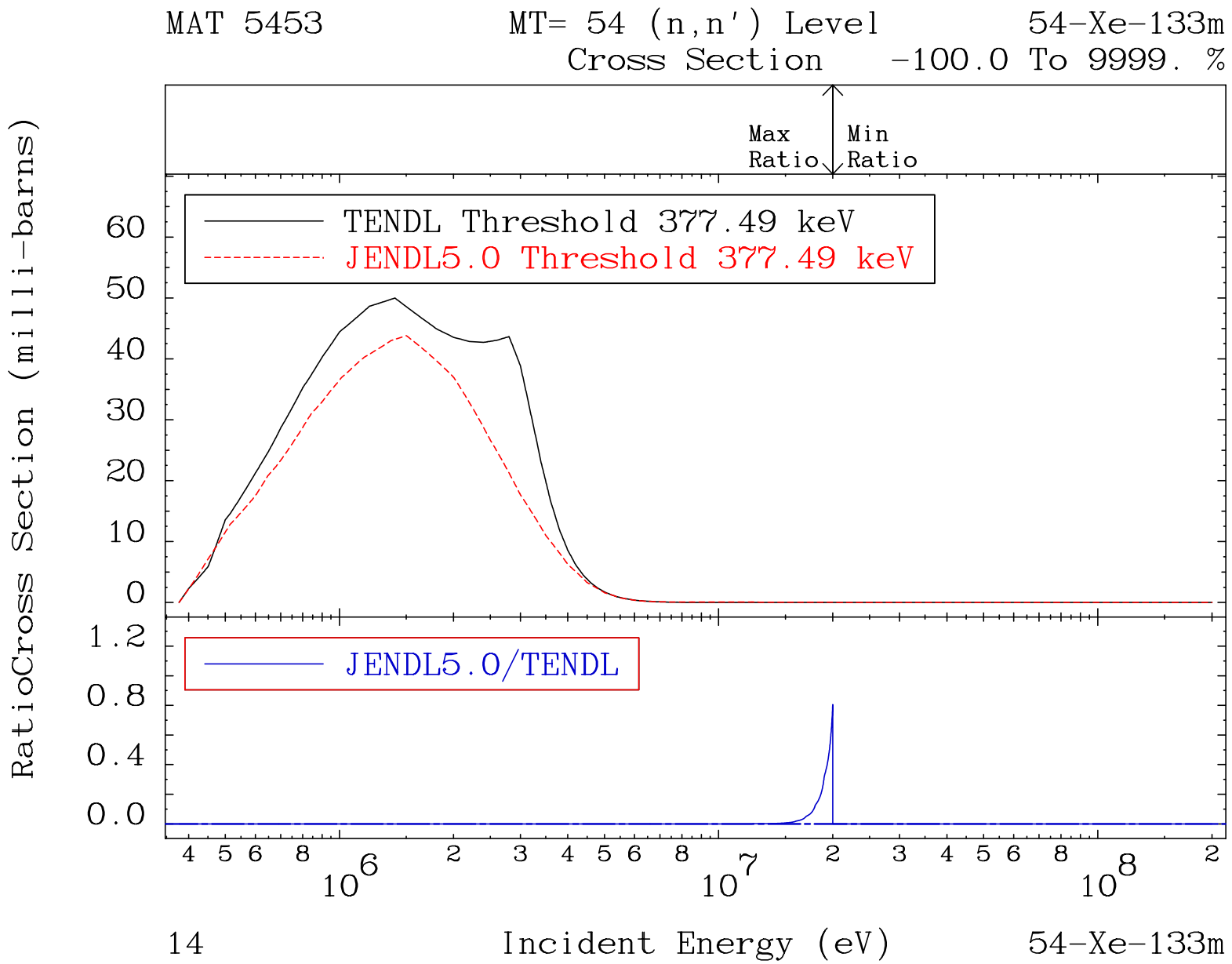

MAT 5453
(n,n') d
Cross Section
54-Xe-133m
-100.0 To 2388. %
Max
Ratio
TENDL Threshold 13.203 MeV
JENDL5.0 Threshold 13.203 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
20
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
54-Xe-133m

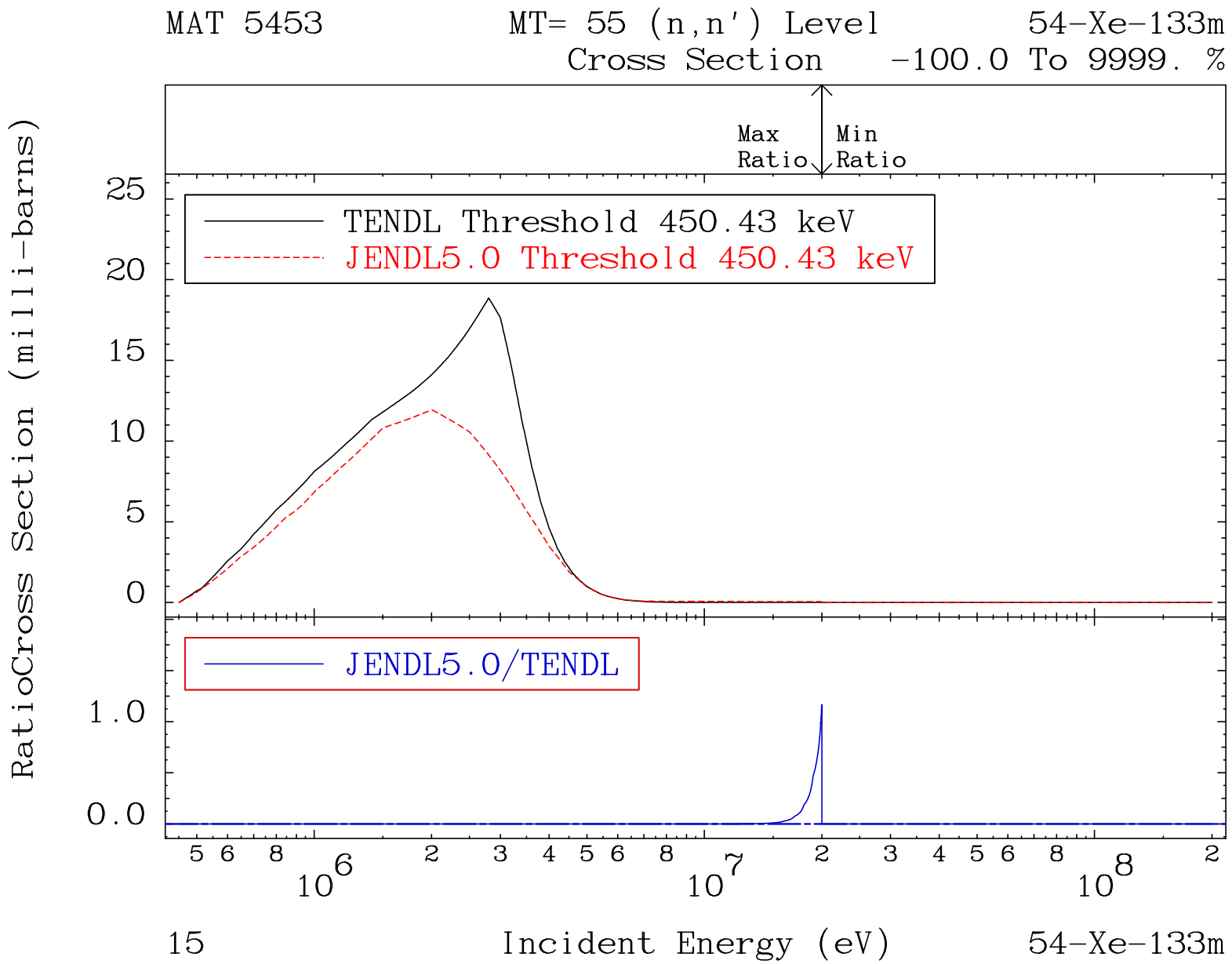

MAT 5453
(n,2n) p
54-Xe-133m
Cross Section
-100.0 To 0.445 %
Min Ratio
Max Ratio
TENDL Threshold 15.444 MeV
JENDL5.0 Threshold 15.444 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
54-Xe-133m

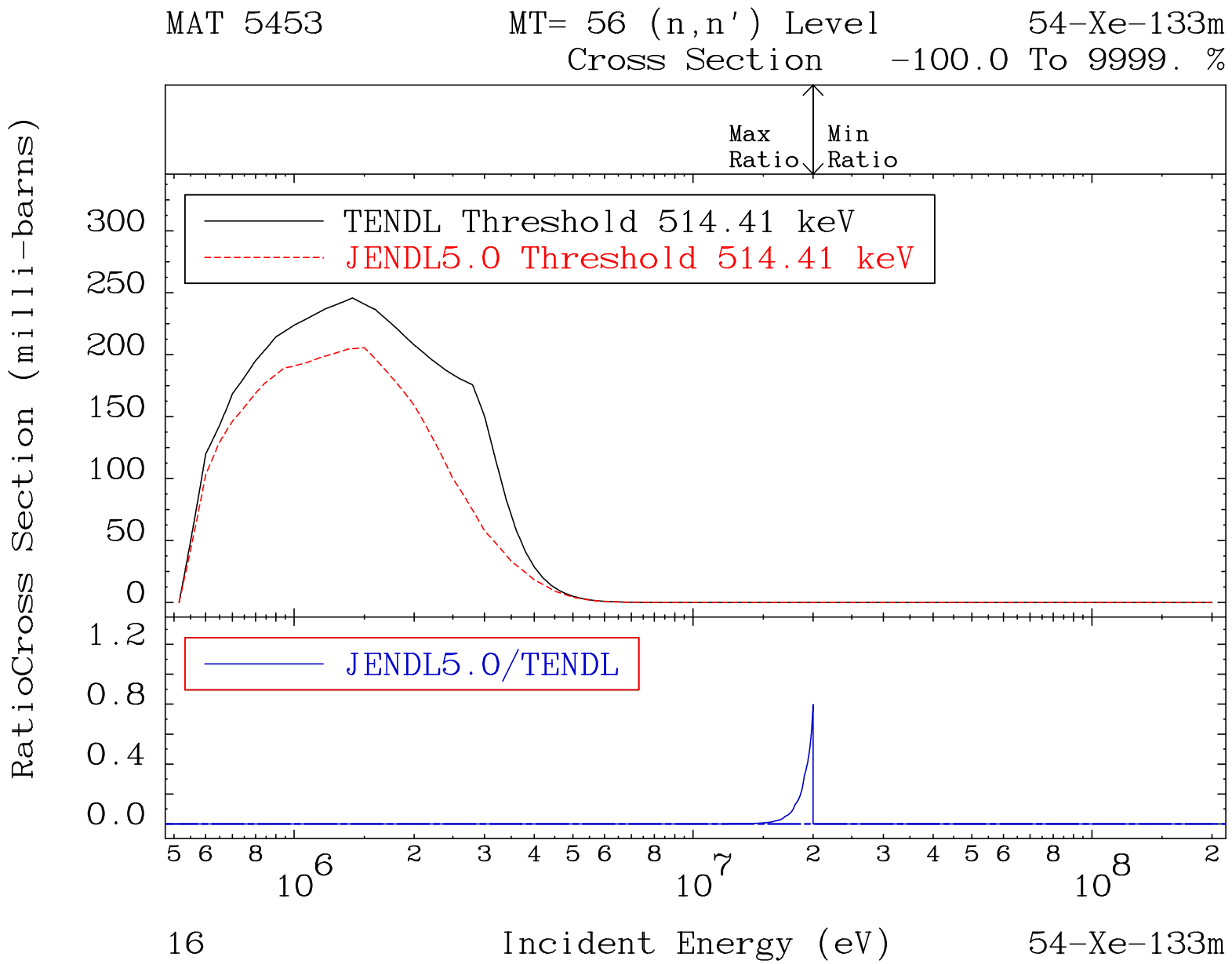

MAT 5453
MT= 51 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 41.438 eV
JENDL5.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
11
Incident Energy (eV)
54-Xe-133m

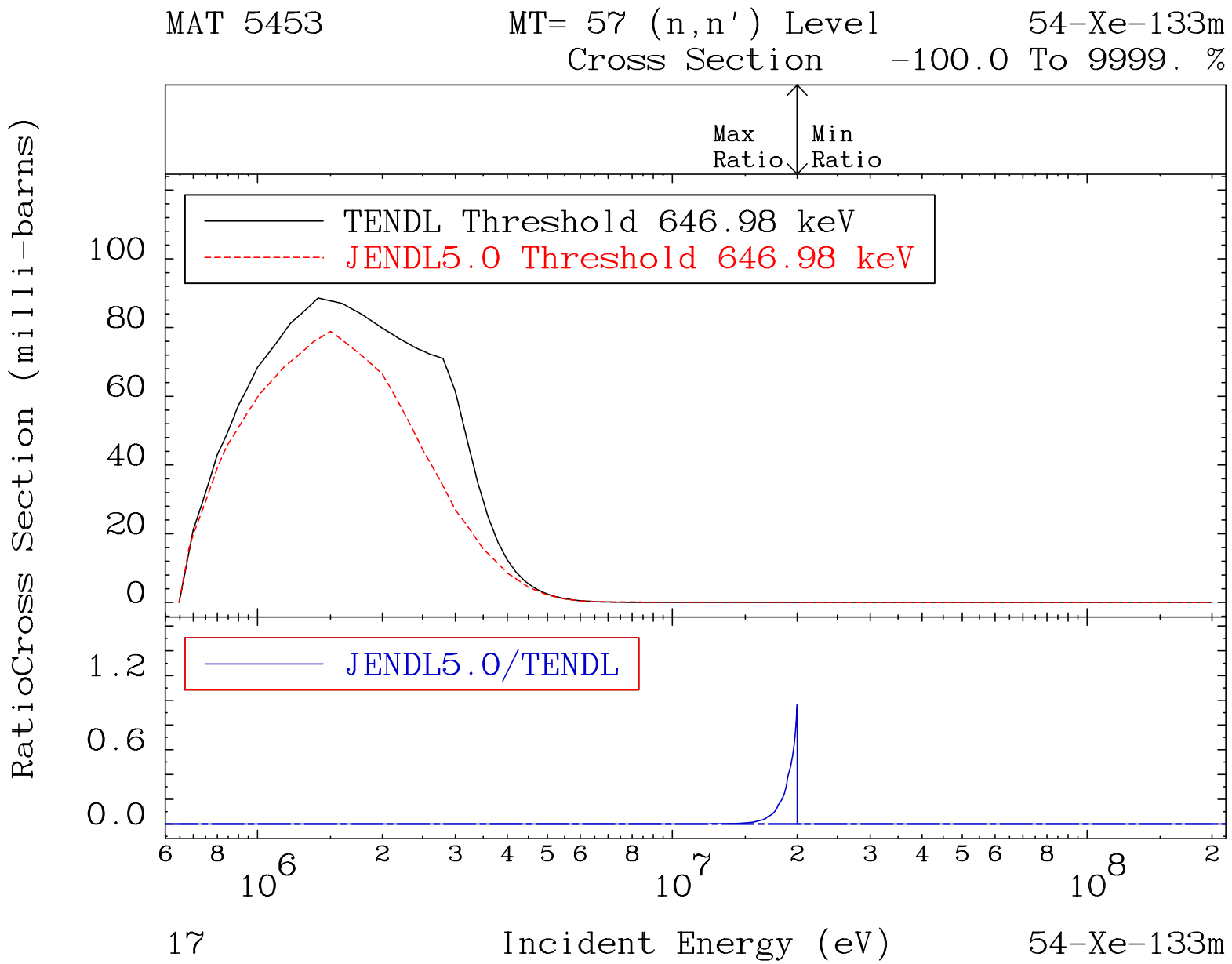

MAT 5453
MT= 52 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 29.705 keV
JENDL5.0 Threshold 29.705 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54-Xe-133m
12

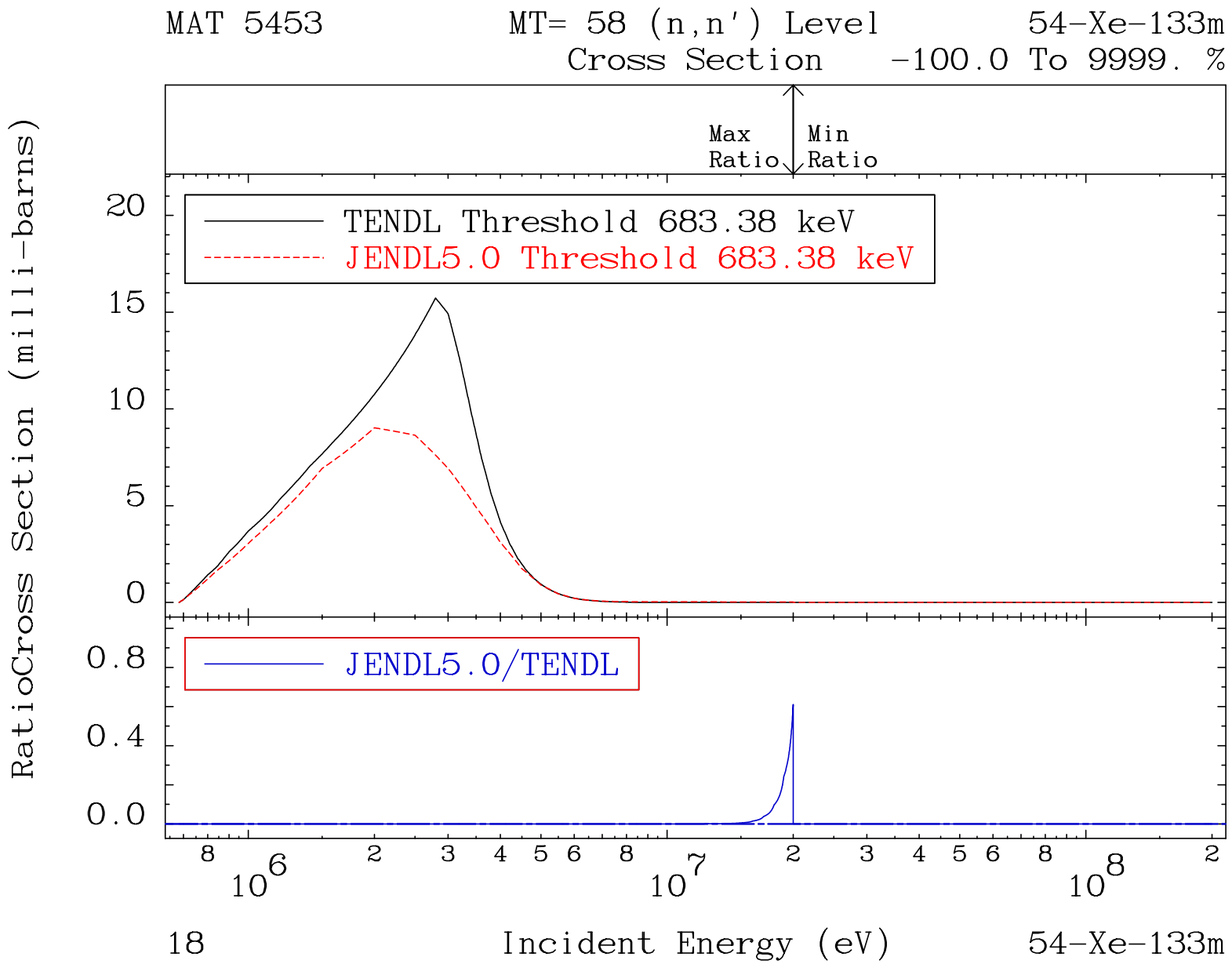

MAT 5453
MT= 53 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 298.90 keV
JENDL5.0 Threshold 298.90 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
54-Xe-133m

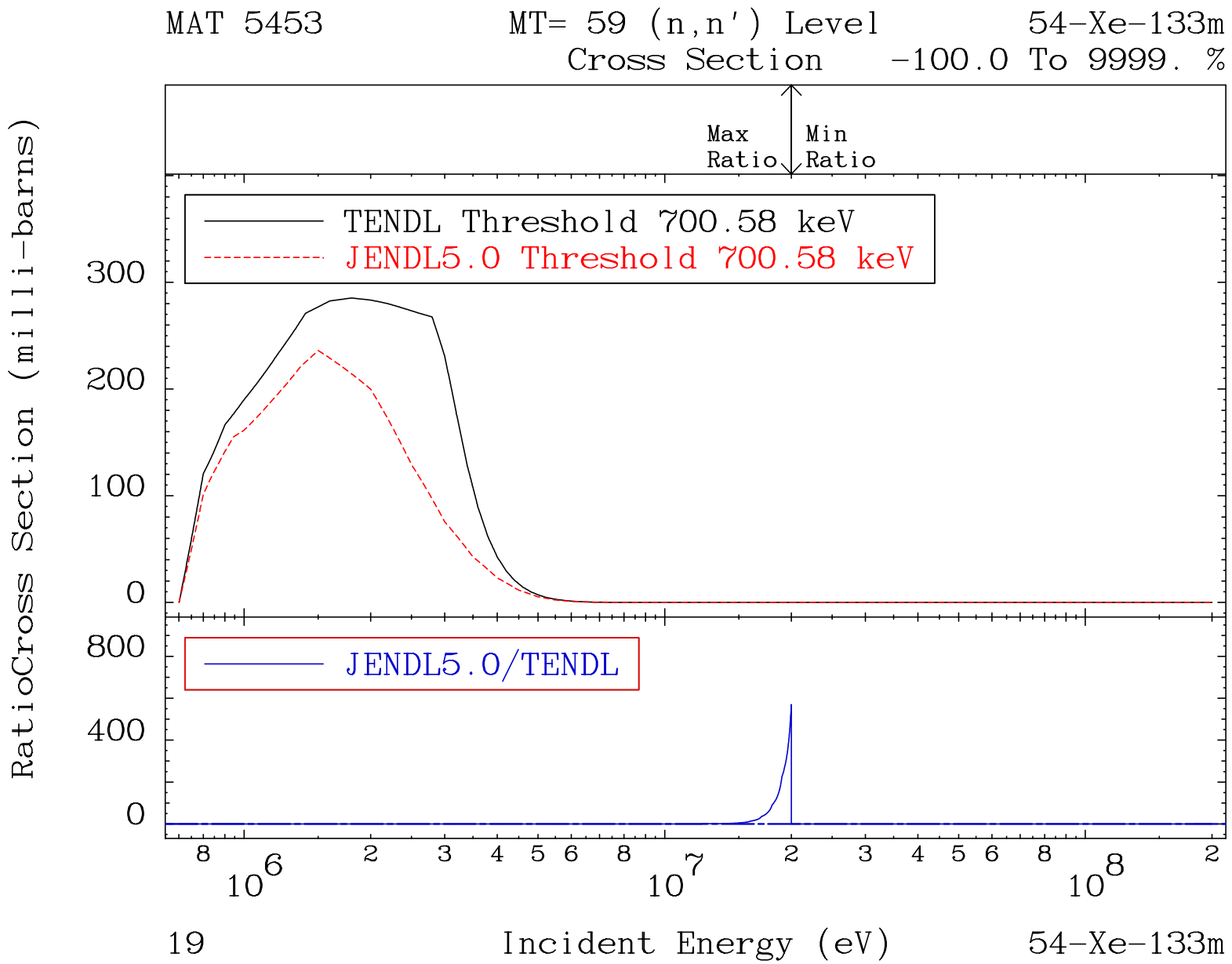

MAT 5453
MT= 54 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 377.49 keV
JENDL5.0 Threshold 377.49 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
54-Xe-133m

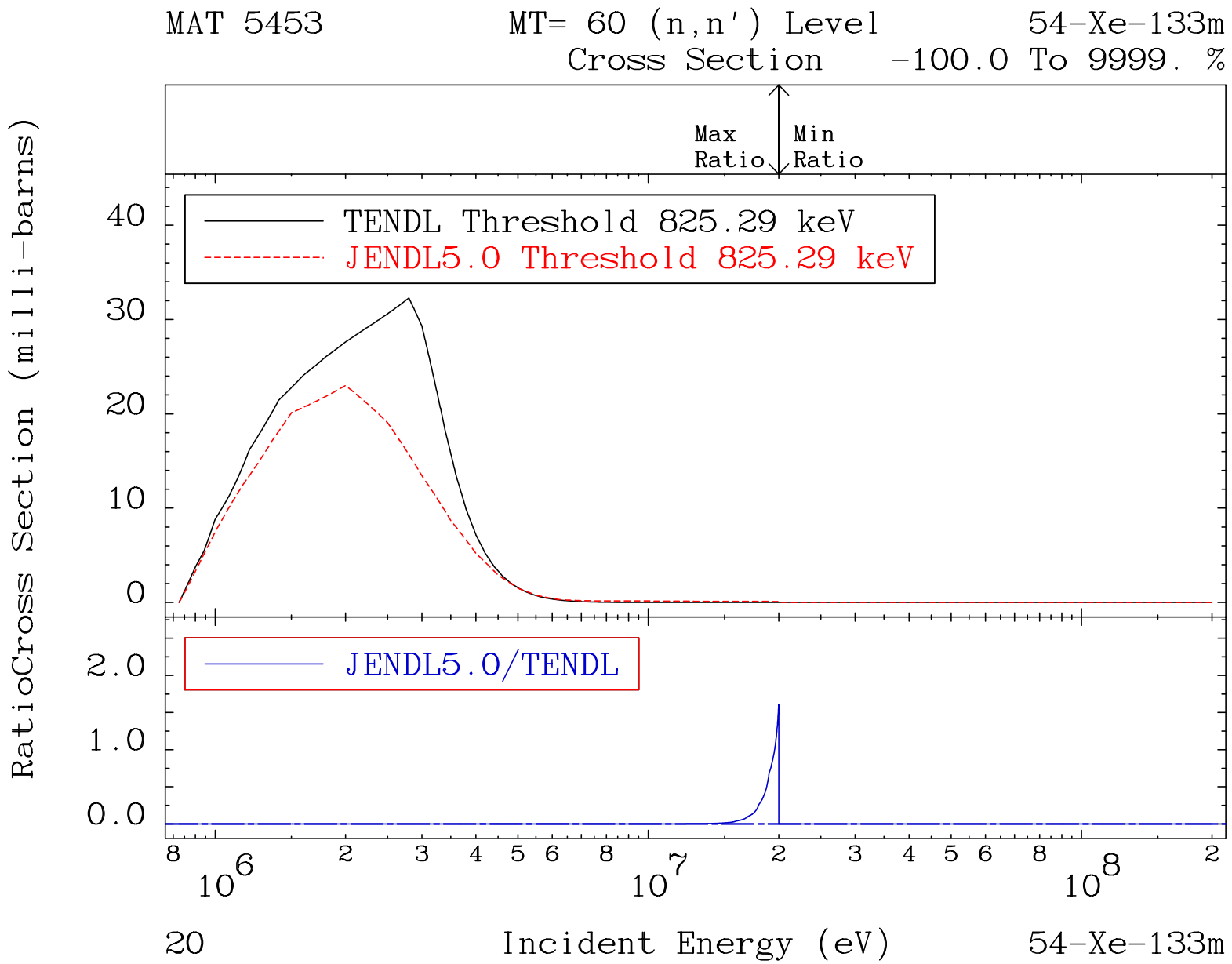

MAT 5453
MT= 55 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 450.43 keV
JENDL5.0 Threshold 450.43 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
54-Xe-133m

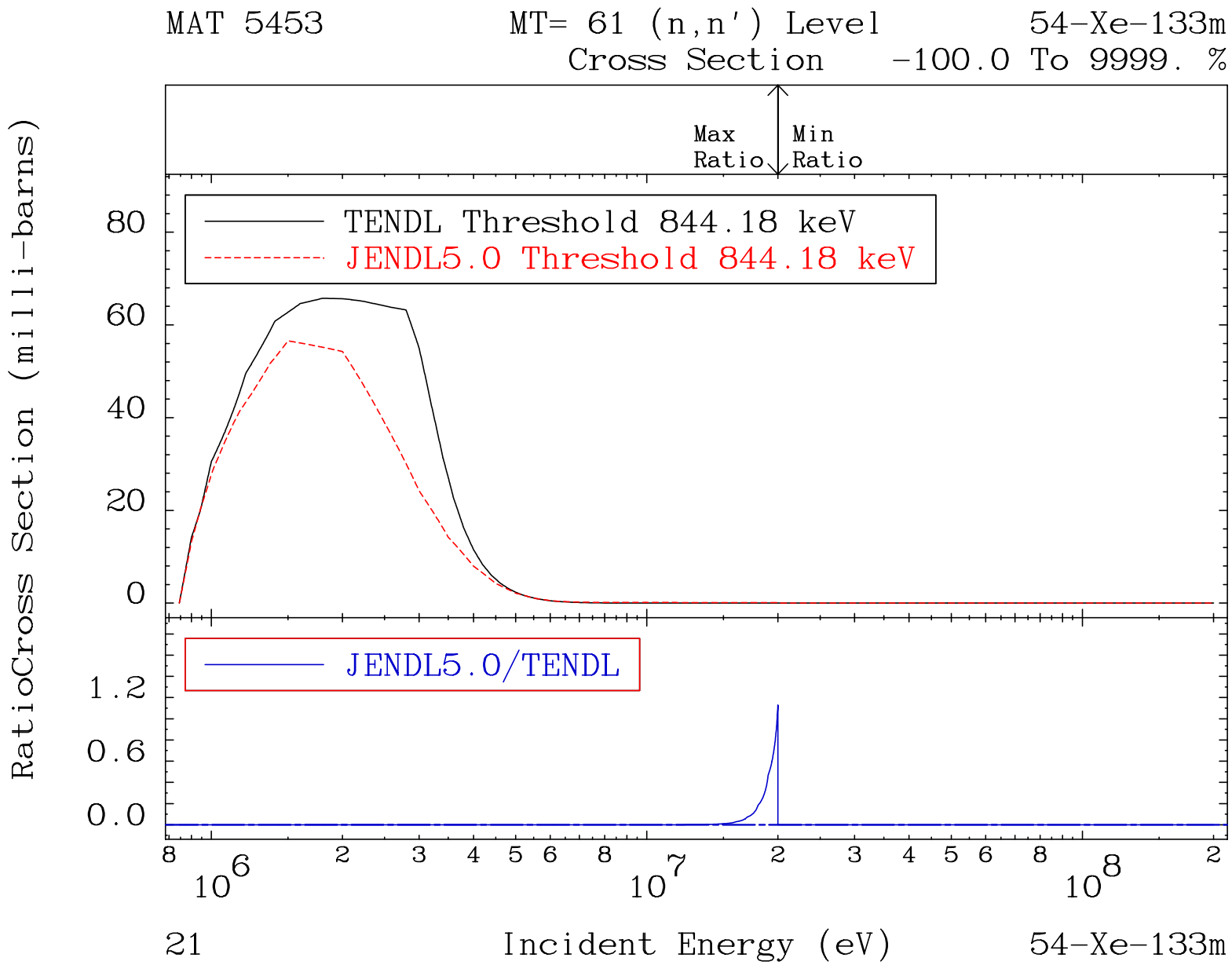

MAT 5453
MT= 56 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 514.41 keV
JENDL5.0 Threshold 514.41 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.8
0.4
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
54-Xe-133m

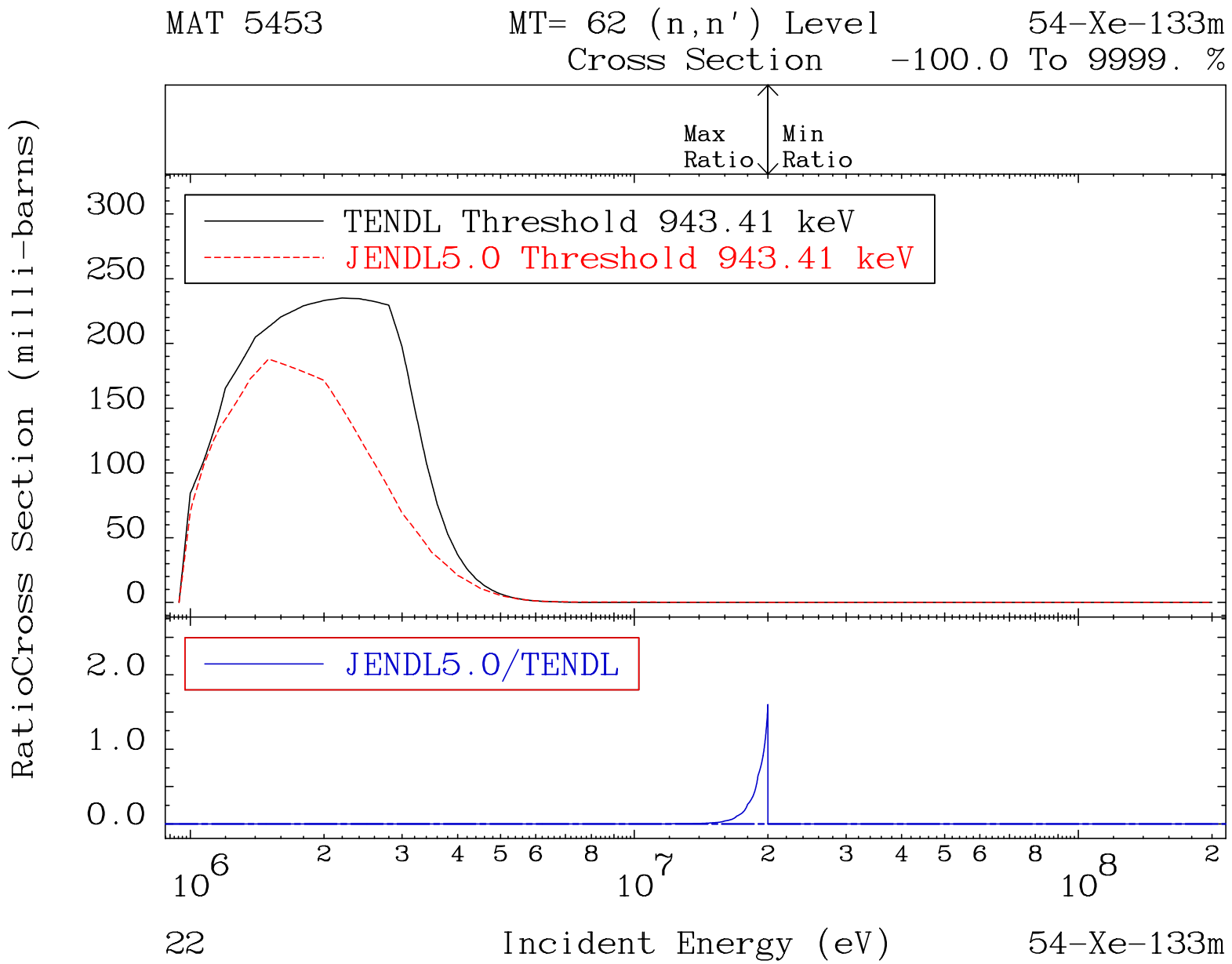

MAT 5453
MT= 57 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 646.98 keV
JENDL5.0 Threshold 646.98 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
54-Xe-133m

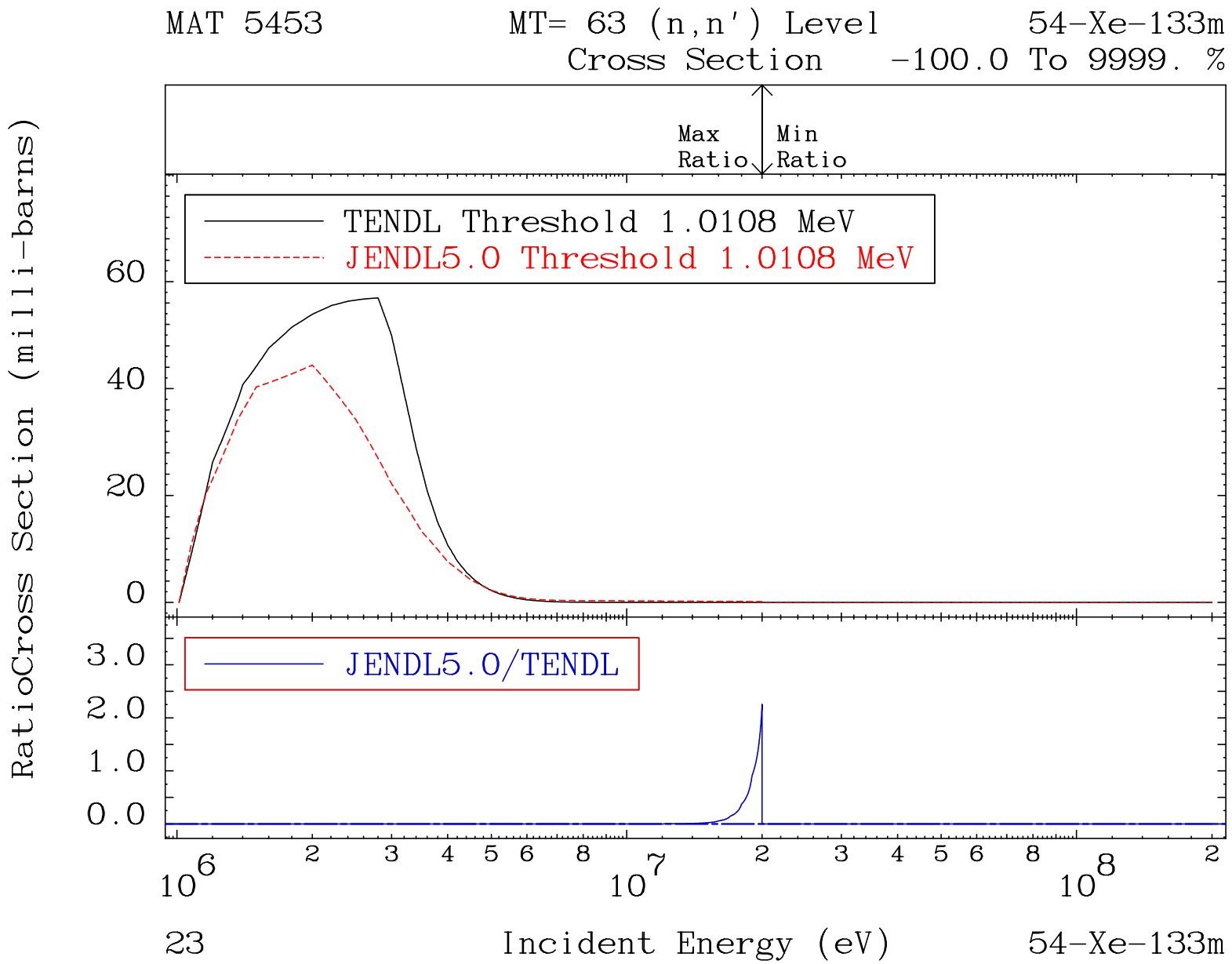

MAT 5453
MT= 58 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 683.38 keV
JENDL5.0 Threshold 683.38 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.8
0.4
0.0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
18
Incident Energy (eV)
54-Xe-133m

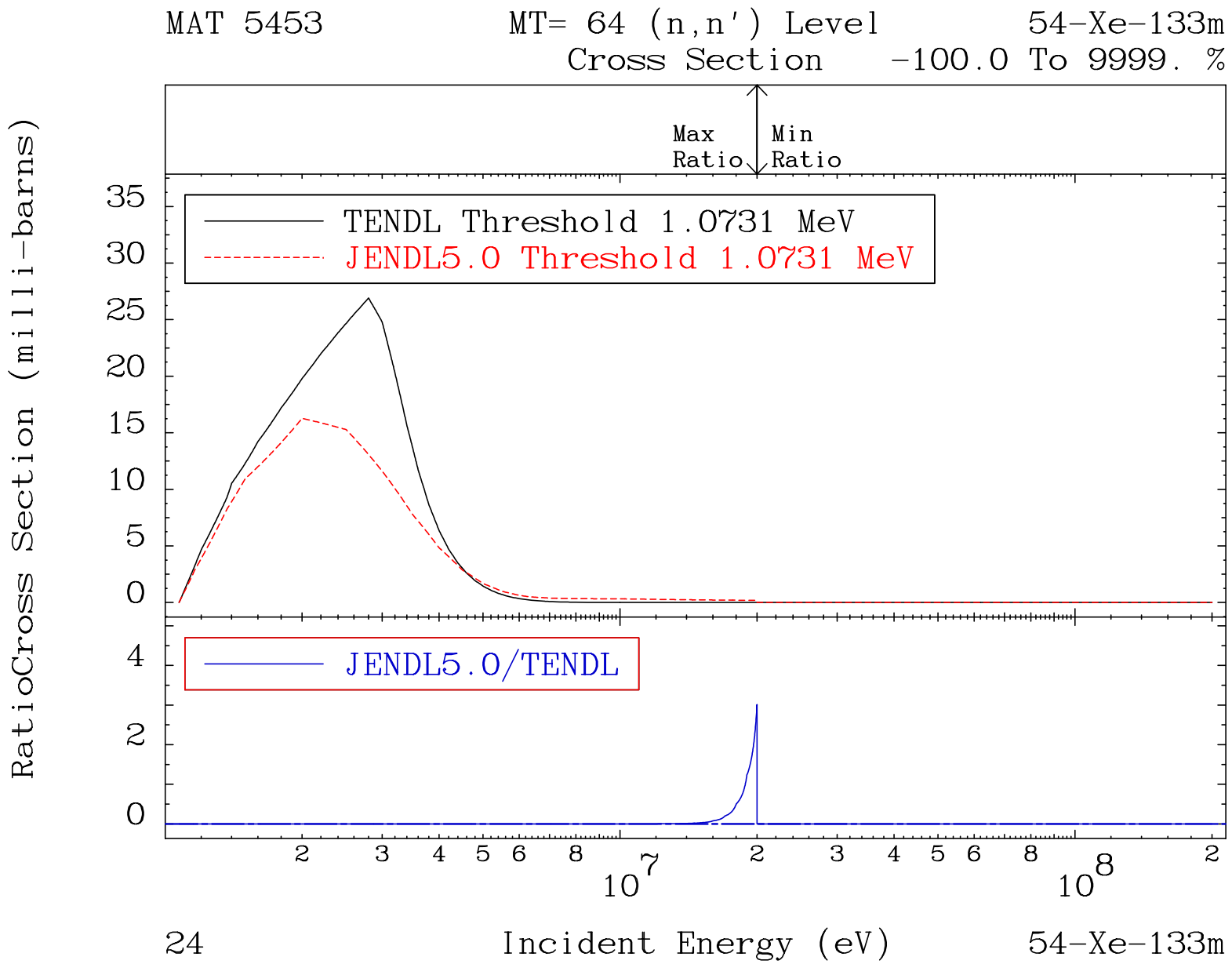

MAT 5453
MT= 59 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 700.58 keV
JENDL5.0 Threshold 700.58 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
800
400
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
19
Incident Energy (eV)
54-Xe-133m

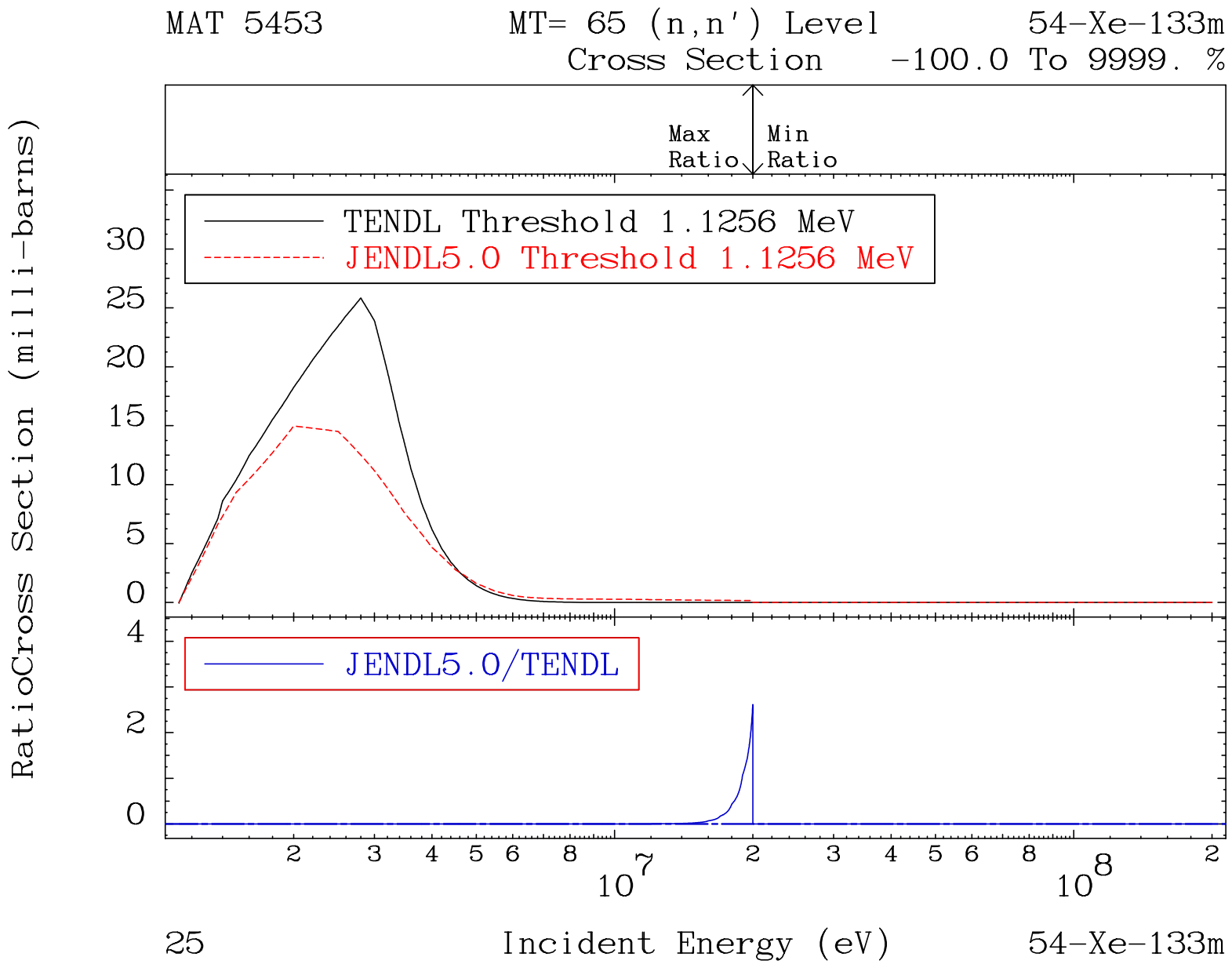

MAT 5453
MT= 60 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 825.29 keV
JENDL5.0 Threshold 825.29 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
8
2
3
4
5
6
8
10^6
10^7
10^8
20
Incident Energy (eV)
54-Xe-133m

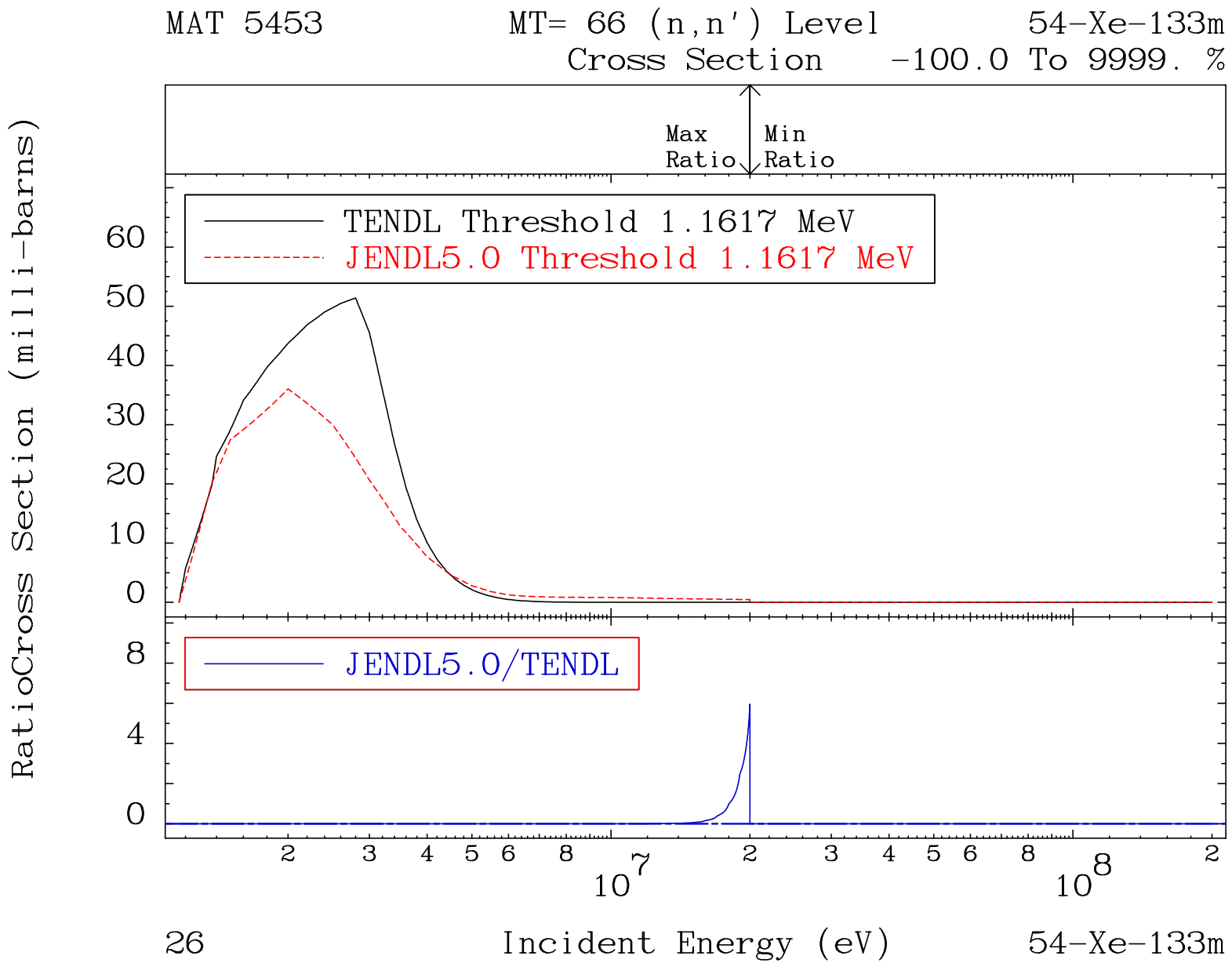

MAT 5453
MT= 61 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 844.18 keV
JENDL5.0 Threshold 844.18 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
8
2
3
4
5
6
8
10^6
10^7
10^8
21
Incident Energy (eV)
54-Xe-133m

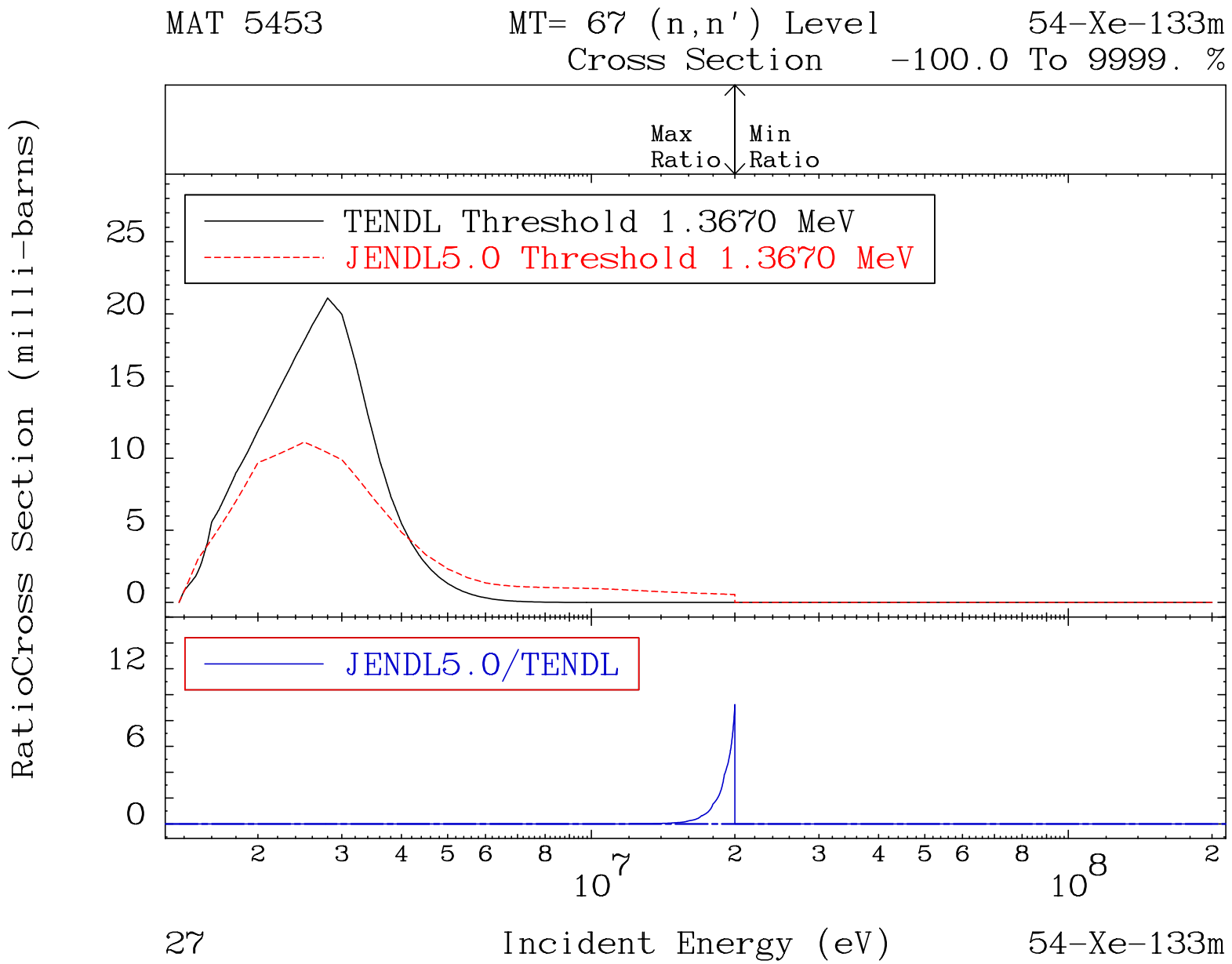

MAT 5453
MT= 62 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 943.41 keV
JENDL5.0 Threshold 943.41 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
22
54-Xe-133m

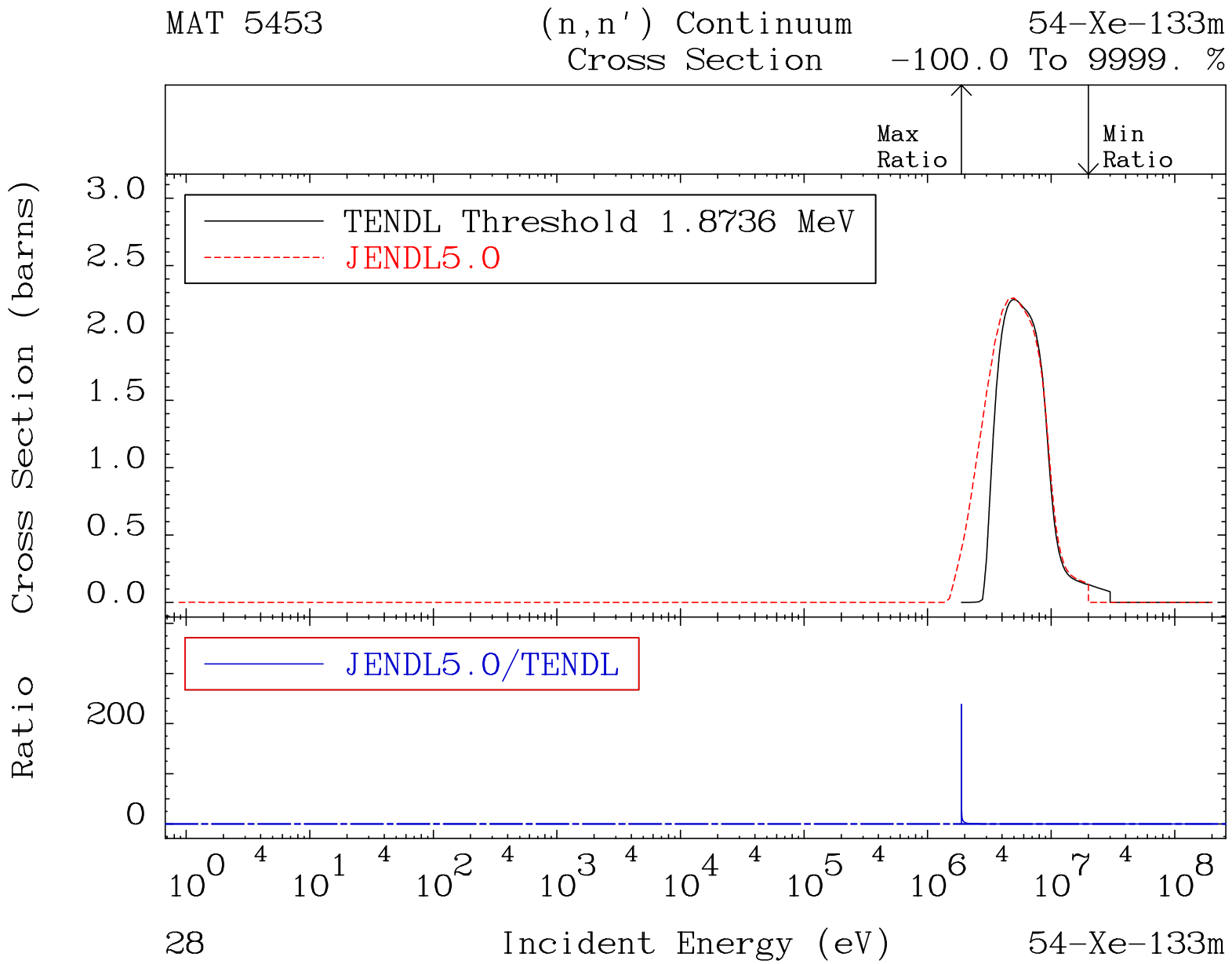

MAT 5453
MT= 63 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0108 MeV
JENDL5.0 Threshold 1.0108 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
3.0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
23
54-Xe-133m

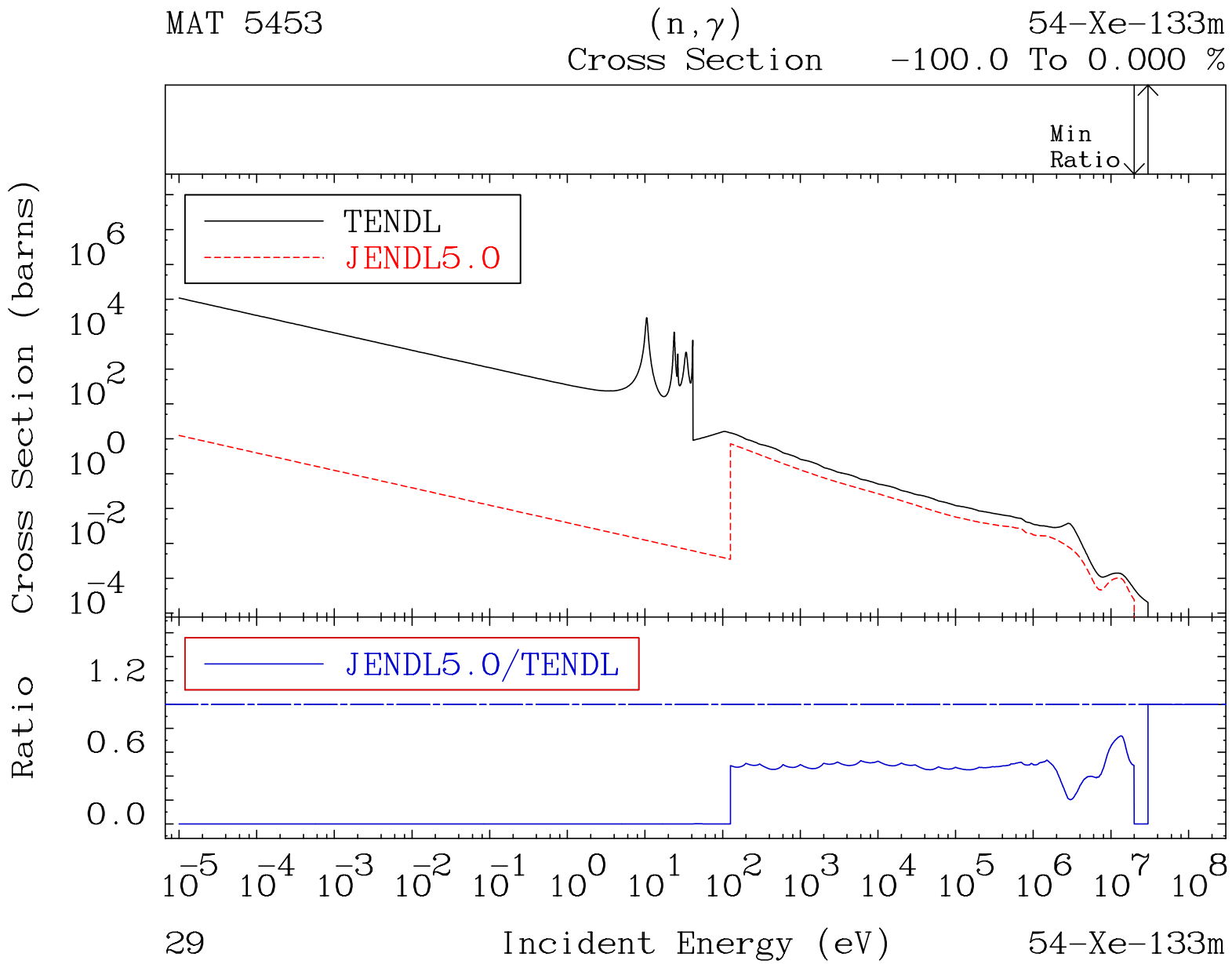

MAT 5453
MT= 64 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0731 MeV
JENDL5.0 Threshold 1.0731 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
54-Xe-133m

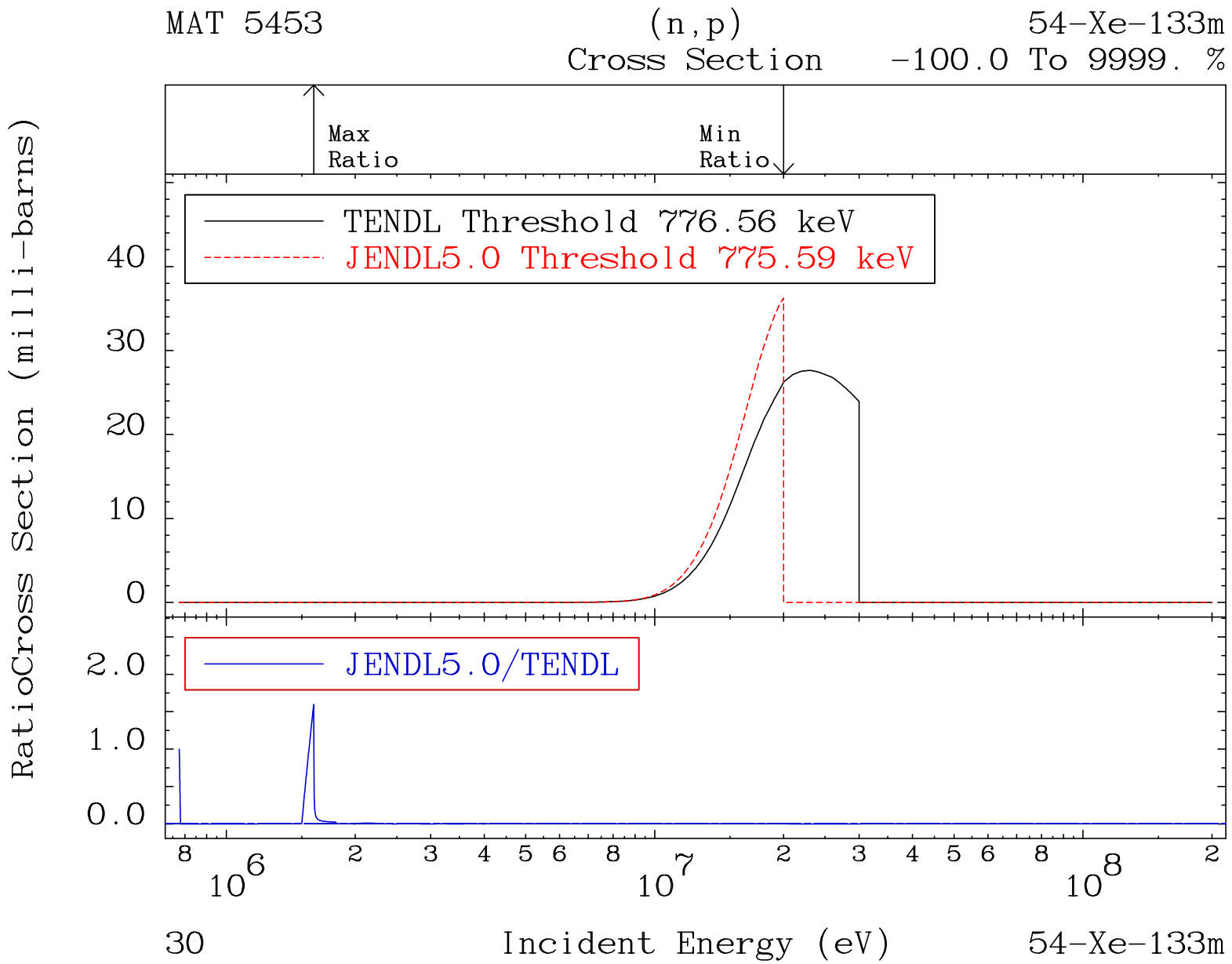

MAT 5453
MT= 65 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1256 MeV
JENDL5.0 Threshold 1.1256 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
54-Xe-133m

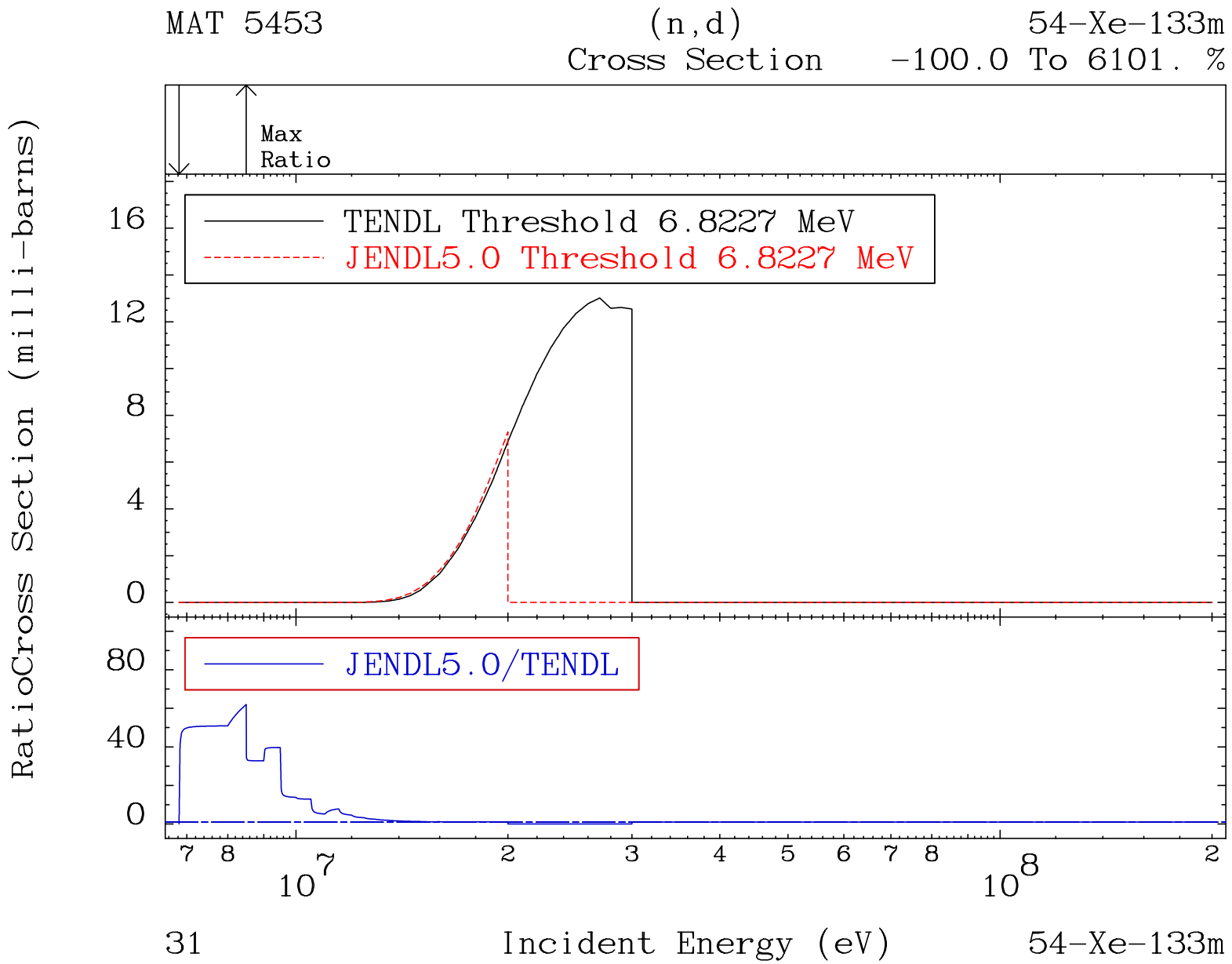

MAT 5453
MT= 66 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1617 MeV
JENDL5.0 Threshold 1.1617 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
54-Xe-133m

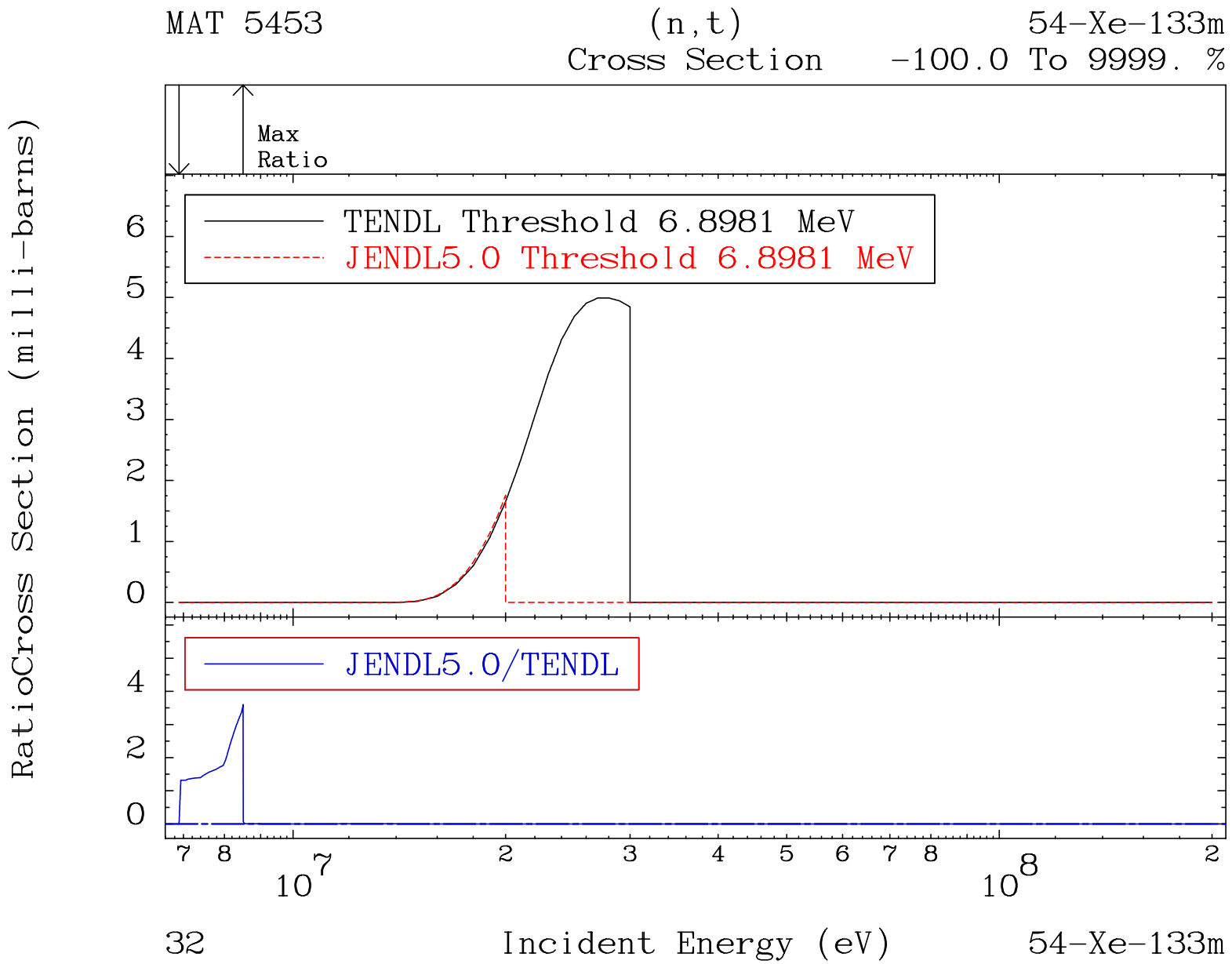

MAT 5453
MT= 67 (n,n') Level
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3670 MeV
JENDL5.0 Threshold 1.3670 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
12
6
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
54-Xe-133m

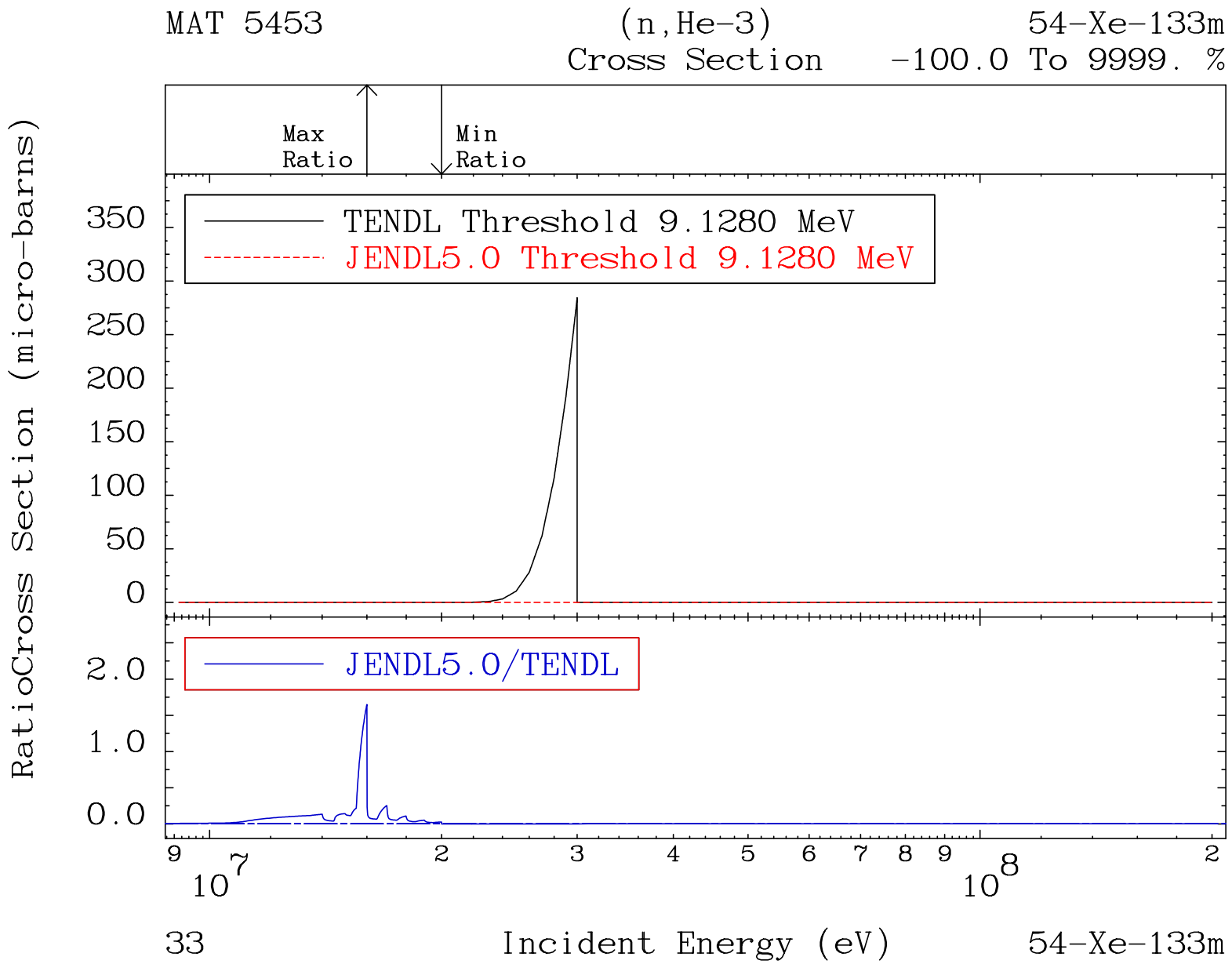

MAT 5453
(n,n') Continuum
Cross Section
54-Xe-133m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8736 MeV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
200
0
10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
54-Xe-133m

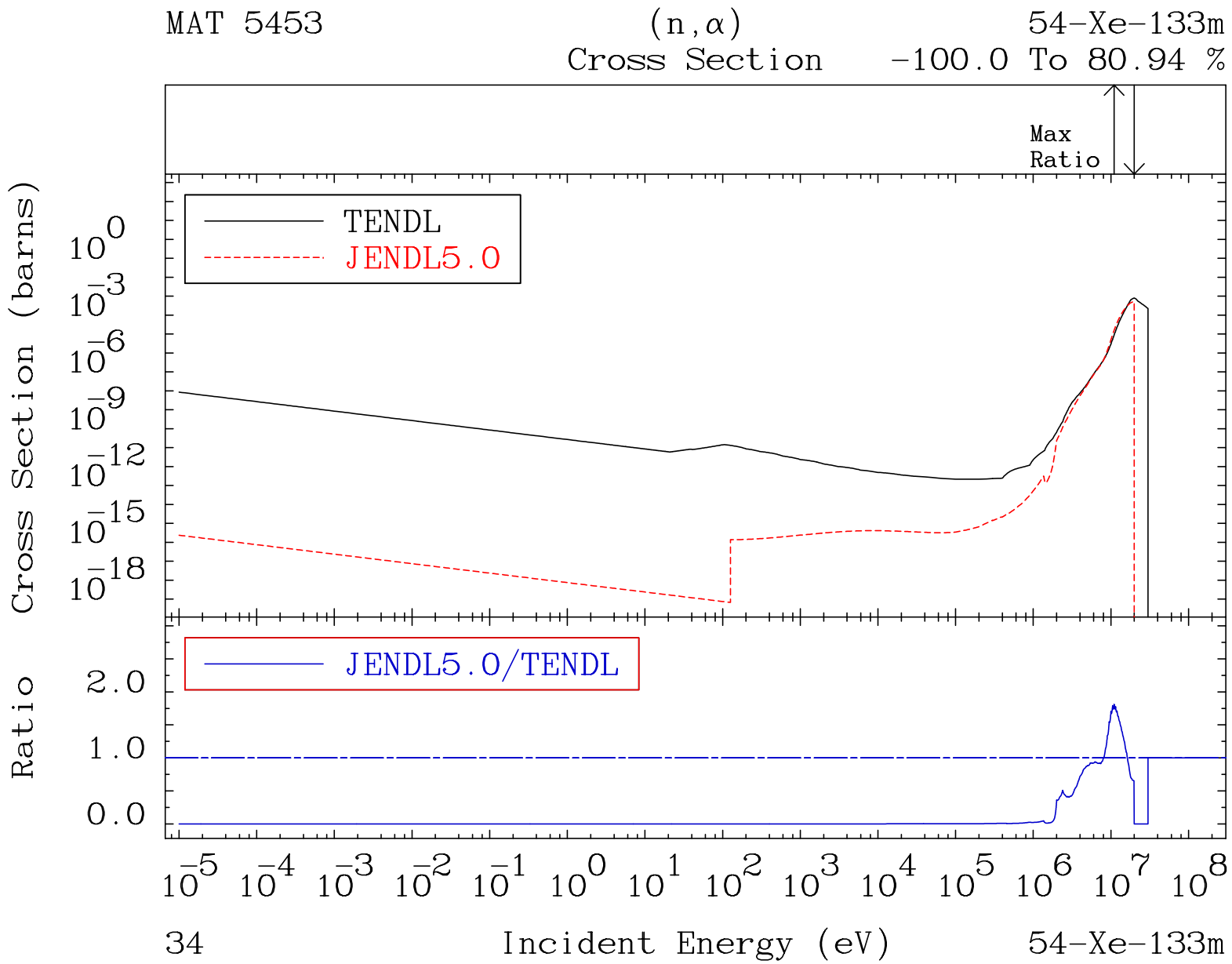

MAT 5453
(n,γ)
Cross Section
54-Xe-133m
-100.0 To 0.000 %
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^6
10^4
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
54-Xe-133m

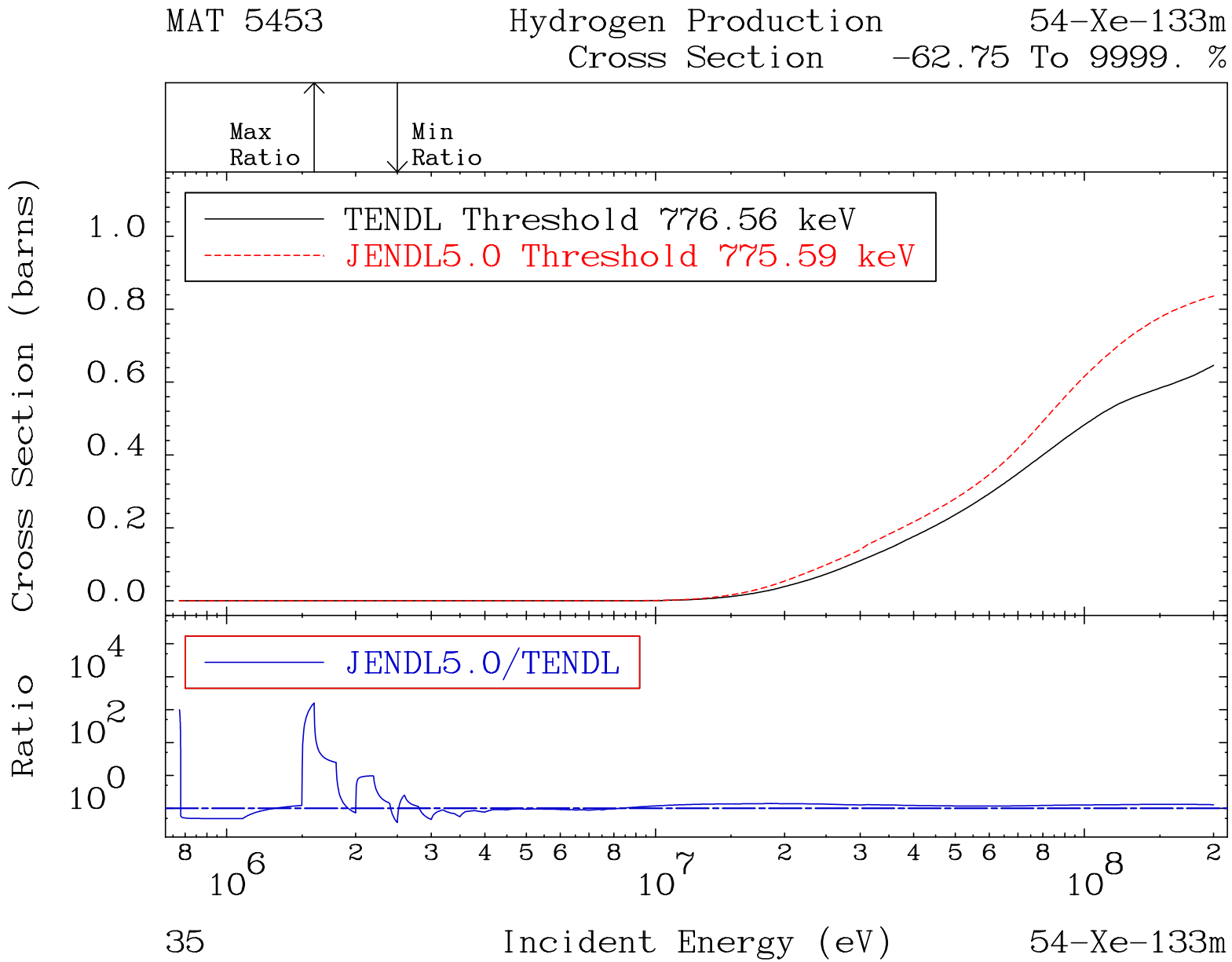

MAT 5453
(n,p)
Cross Section
54-Xe-133m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 776.56 keV
JENDL5.0 Threshold 775.59 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
30
Incident Energy (eV)
54-Xe-133m

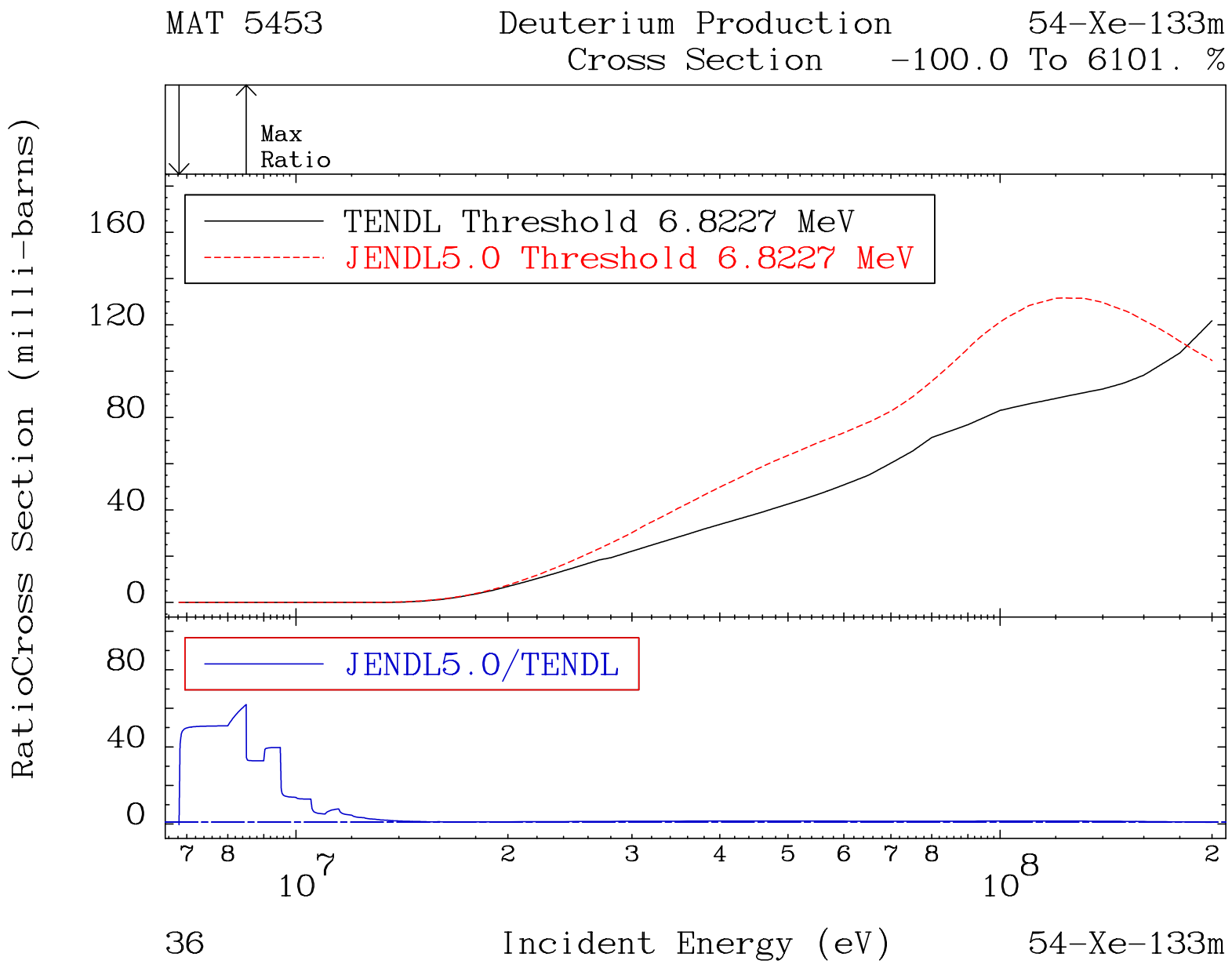

MAT 5453
(n,d)
54-Xe-133m
Cross Section
-100.0 To 6101. %
Max
Ratio
TENDL Threshold 6.8227 MeV
JENDL5.0 Threshold 6.8227 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
80
40
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
54-Xe-133m

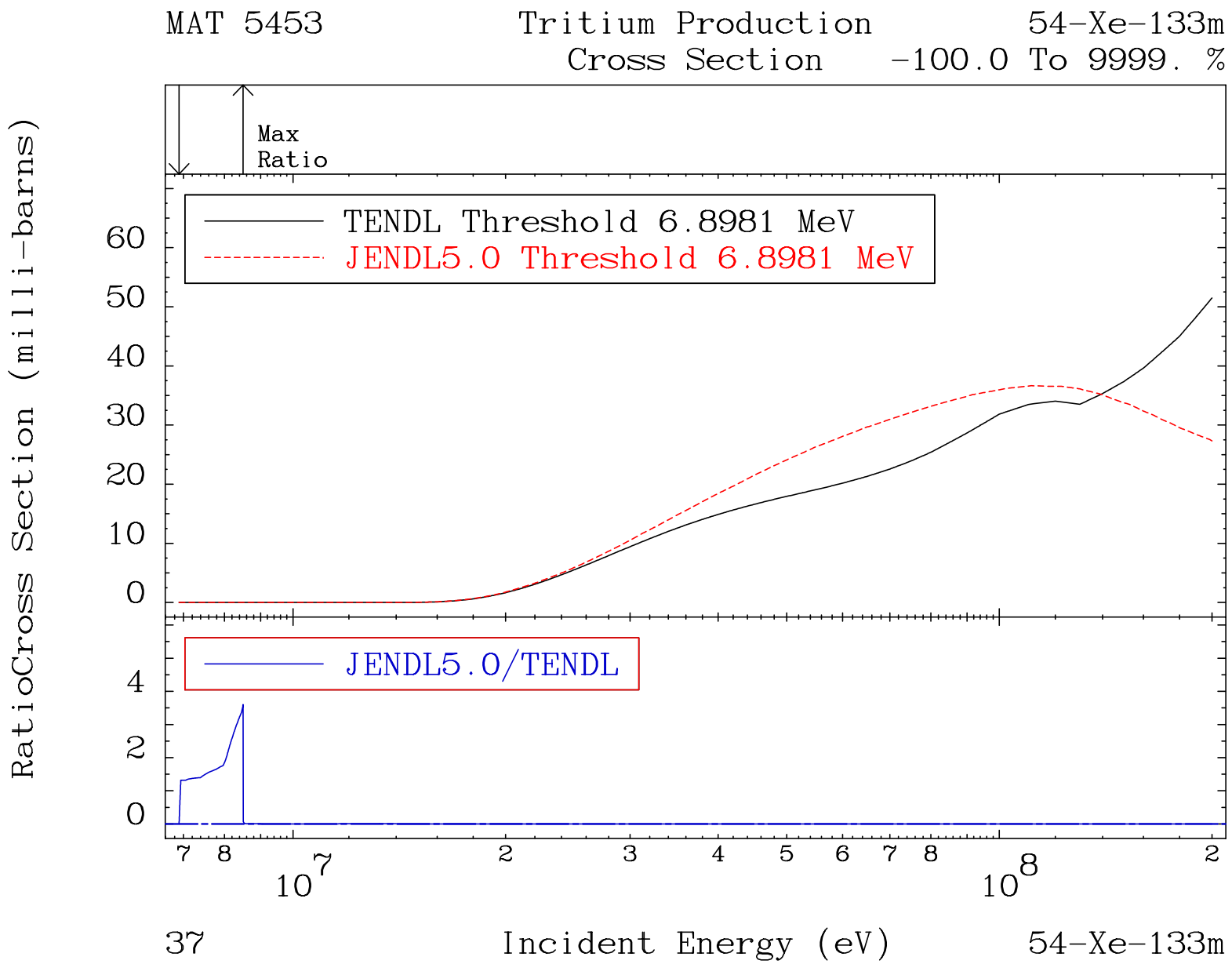

MAT 5453
(n,t)
54-Xe-133m
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.8981 MeV
JENDL5.0 Threshold 6.8981 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
54-Xe-133m

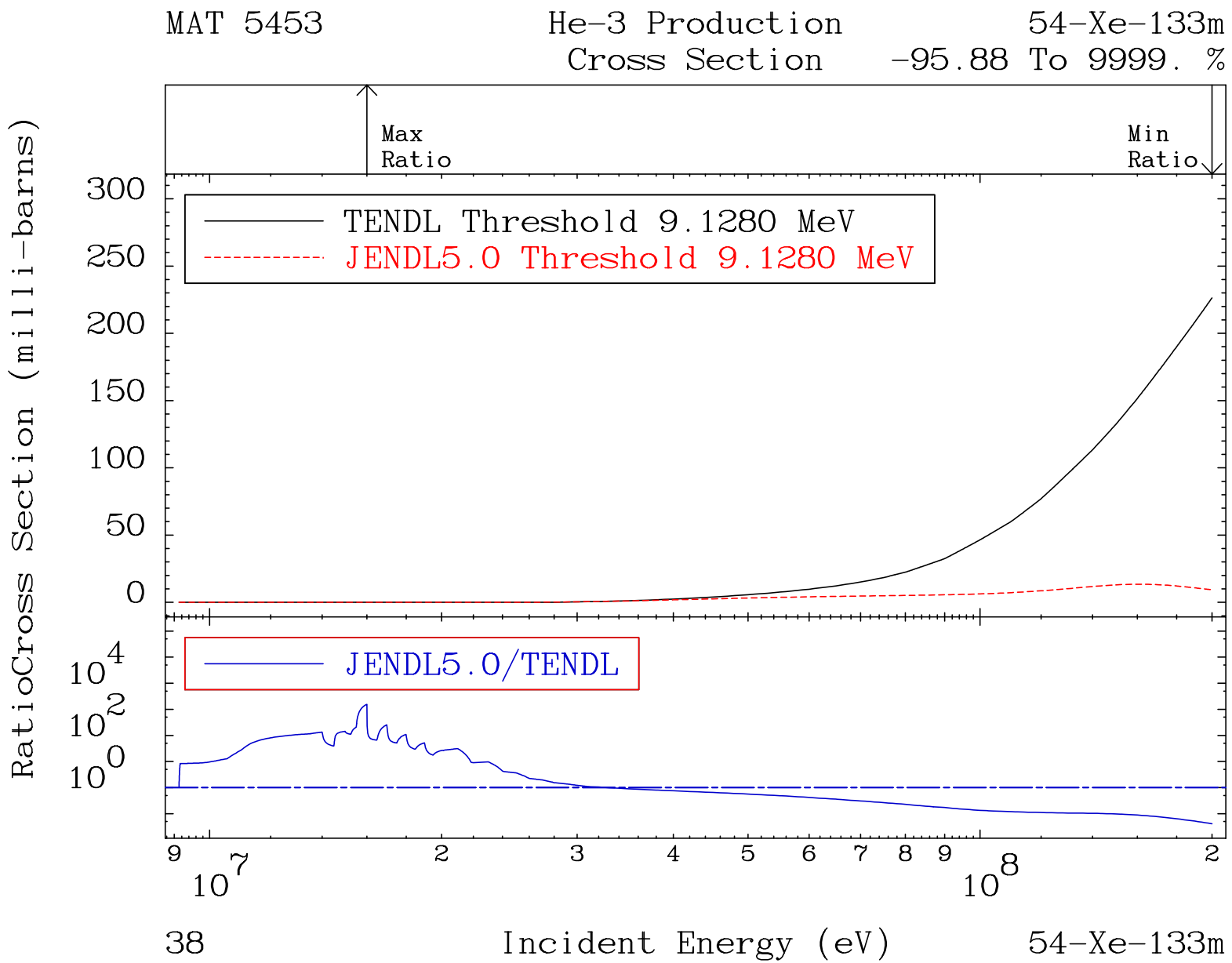

MAT 5453
(n,He-3)
54-Xe-133m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.1280 MeV
JENDL5.0 Threshold 9.1280 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
54-Xe-133m

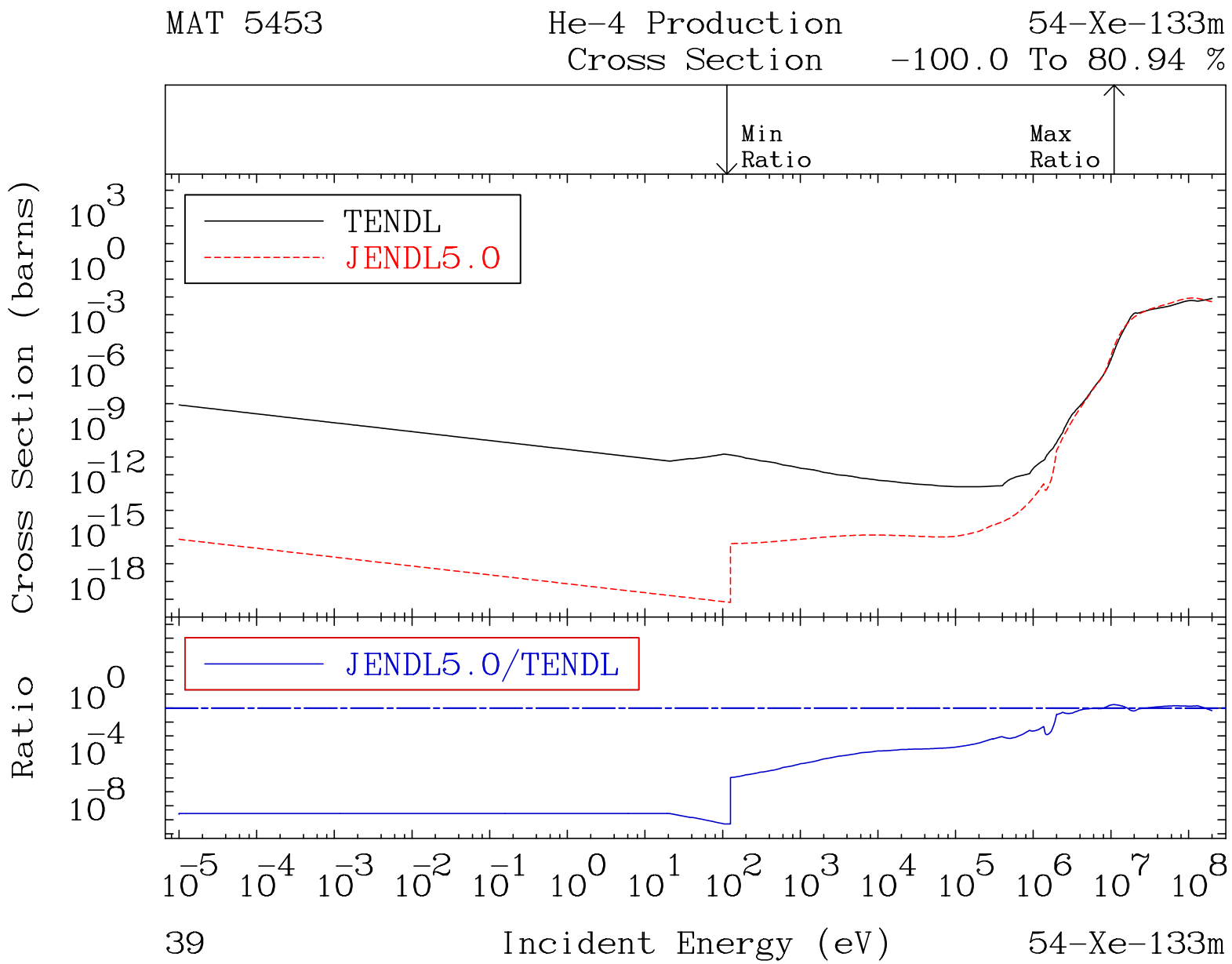

MAT 5453
(n,α)
Cross Section
54-Xe-133m
-100.0 To 80.94 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
54-Xe-133m

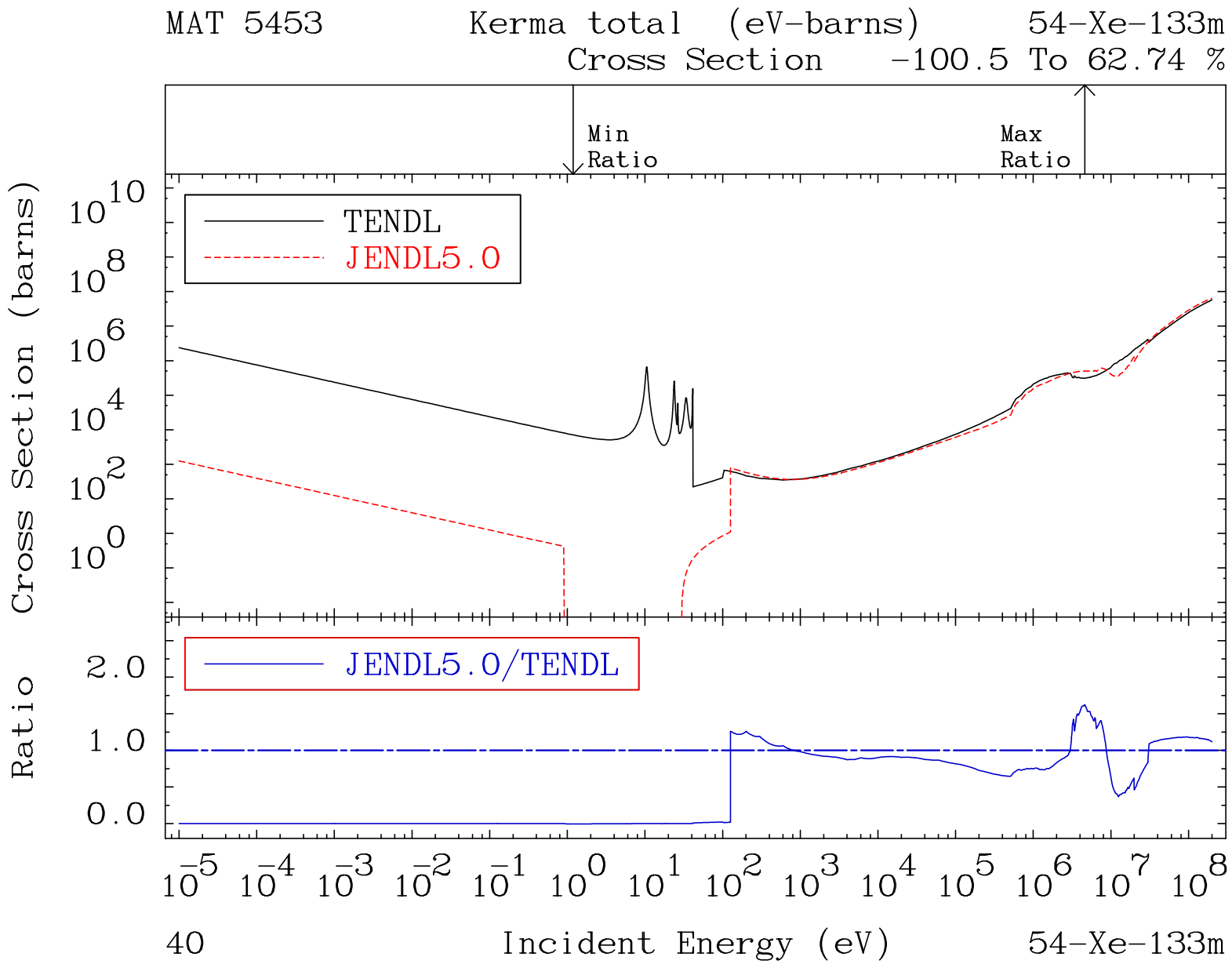

MAT 5453
Hydrogen Production
54-Xe-133m
Cross Section
-62.75 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 776.56 keV
JENDL5.0 Threshold 775.59 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
10^4
10^2
10^0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
35
Incident Energy (eV)
54-Xe-133m

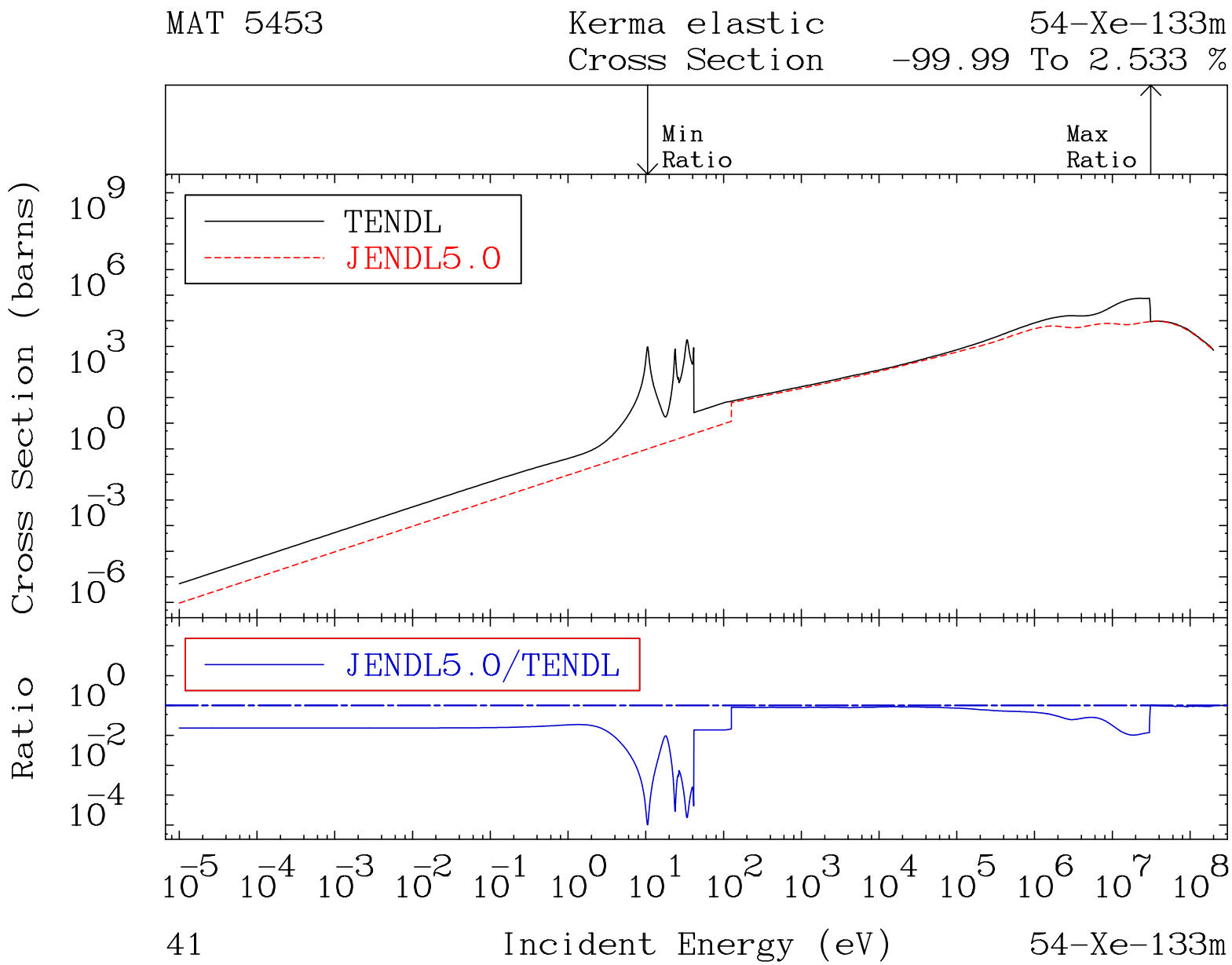

MAT 5453
Deuterium Production
54-Xe-133m
Cross Section -100.0 To 6101. %
Max
Ratio
TENDL Threshold 6.8227 MeV
JENDL5.0 Threshold 6.8227 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
80
40
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
54-Xe-133m

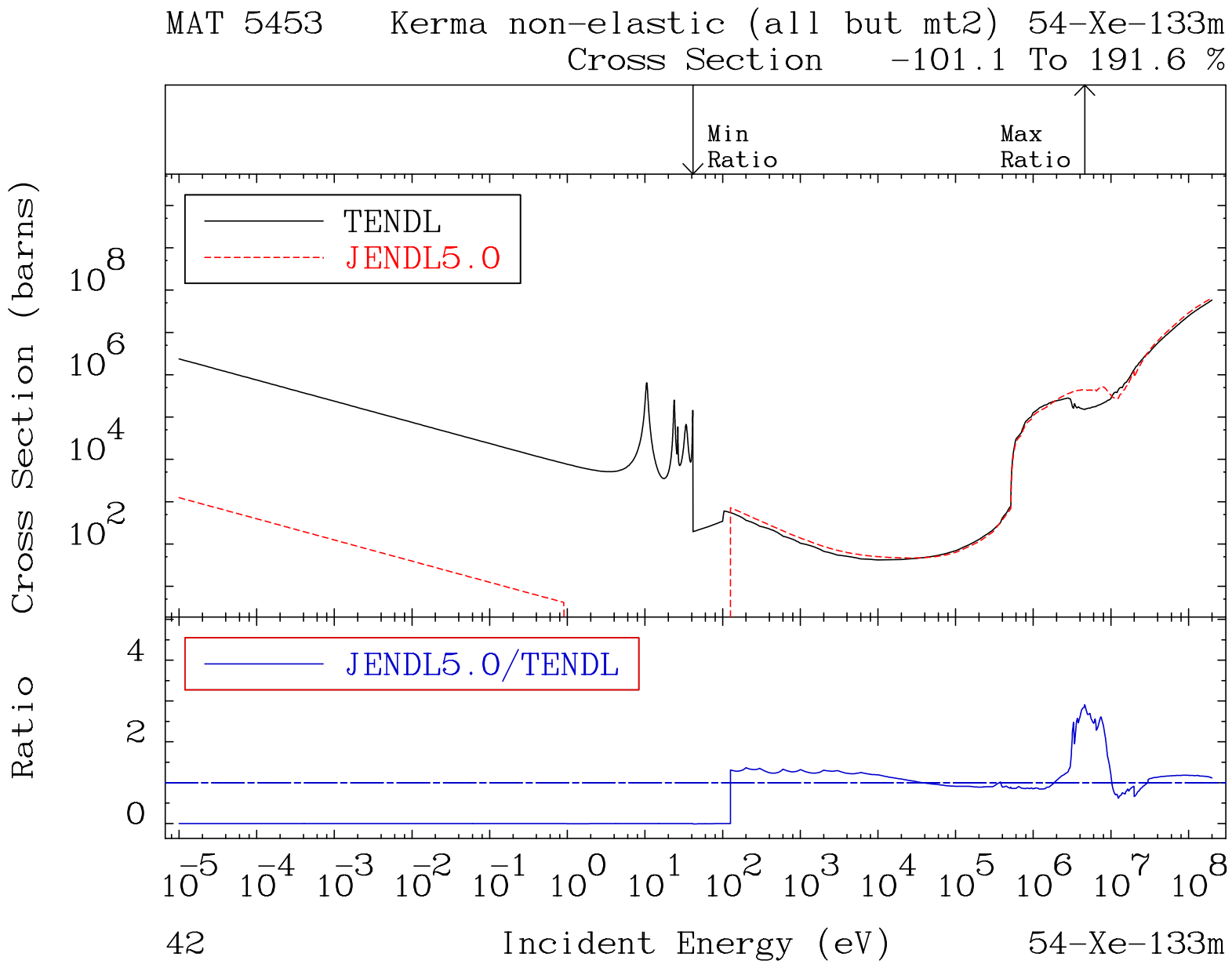

MAT 5453
Tritium Production
54-Xe-133m
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.8981 MeV
JENDL5.0 Threshold 6.8981 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
54-Xe-133m

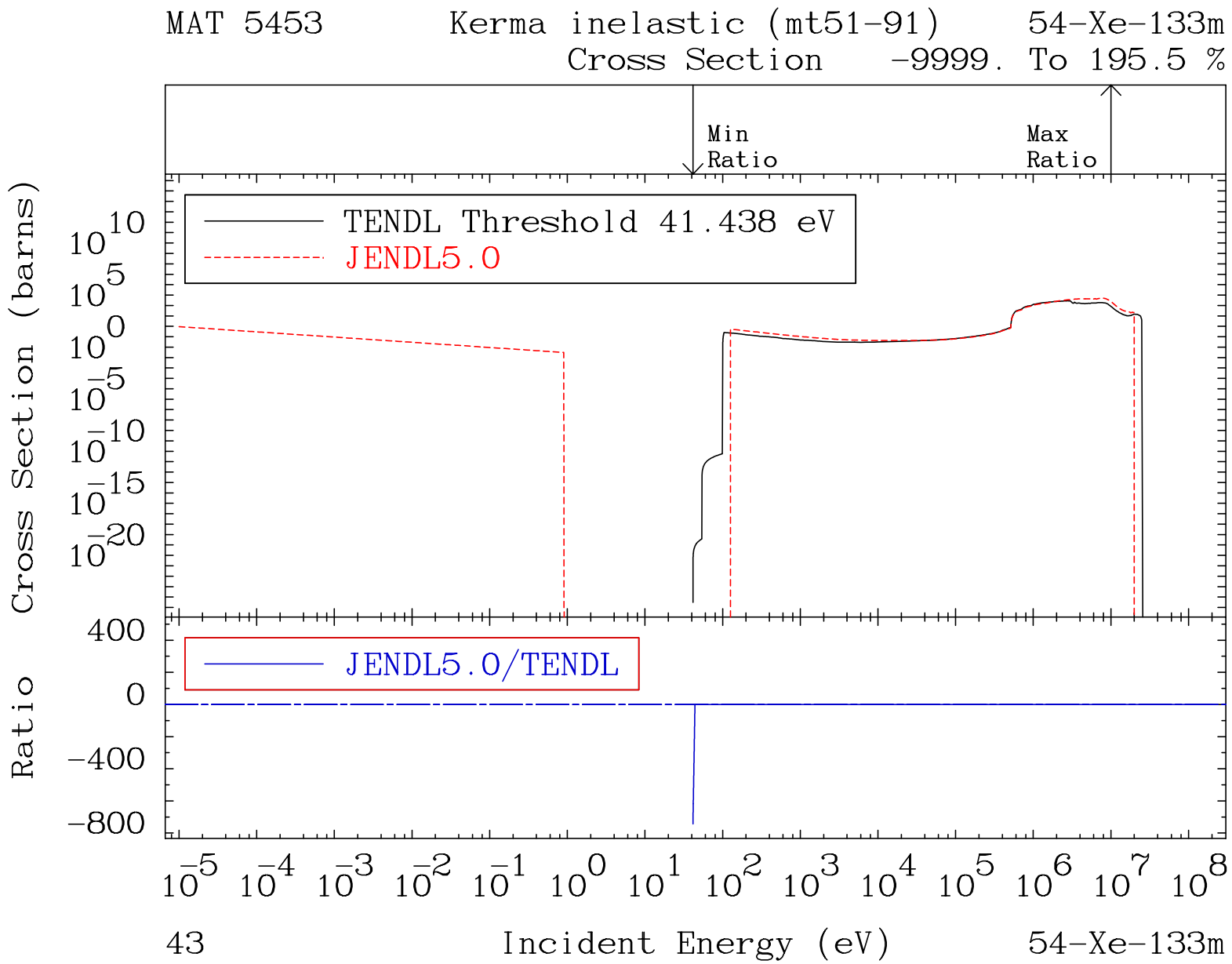

MAT 5453
He-3 Production
Cross Section
54-Xe-133m
-95.88 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.1280 MeV
JENDL5.0 Threshold 9.1280 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
54-Xe-133m

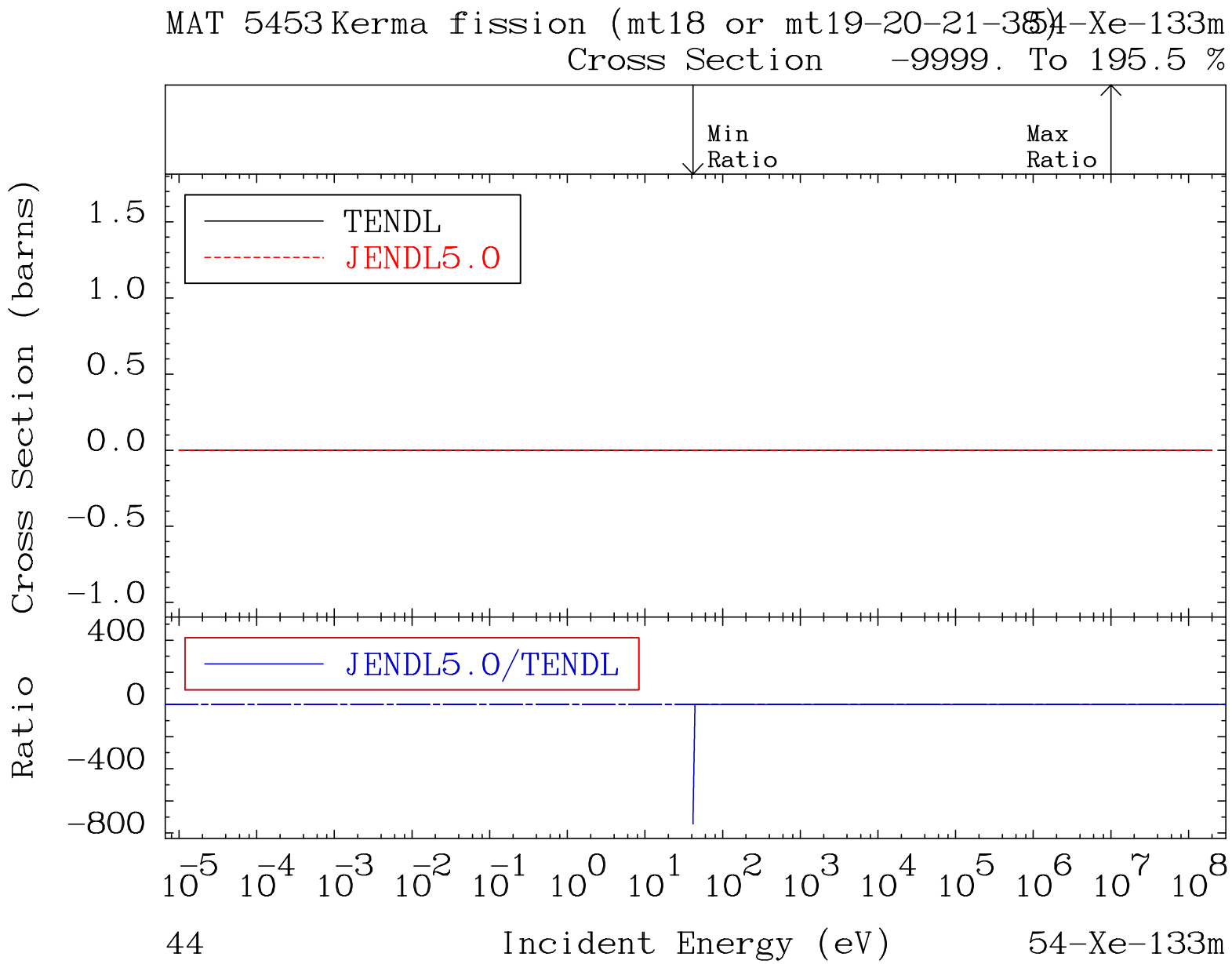

MAT 5453
He-4 Production
Cross Section
54-Xe-133m
-100.0 To 80.94 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
39
54-Xe-133m

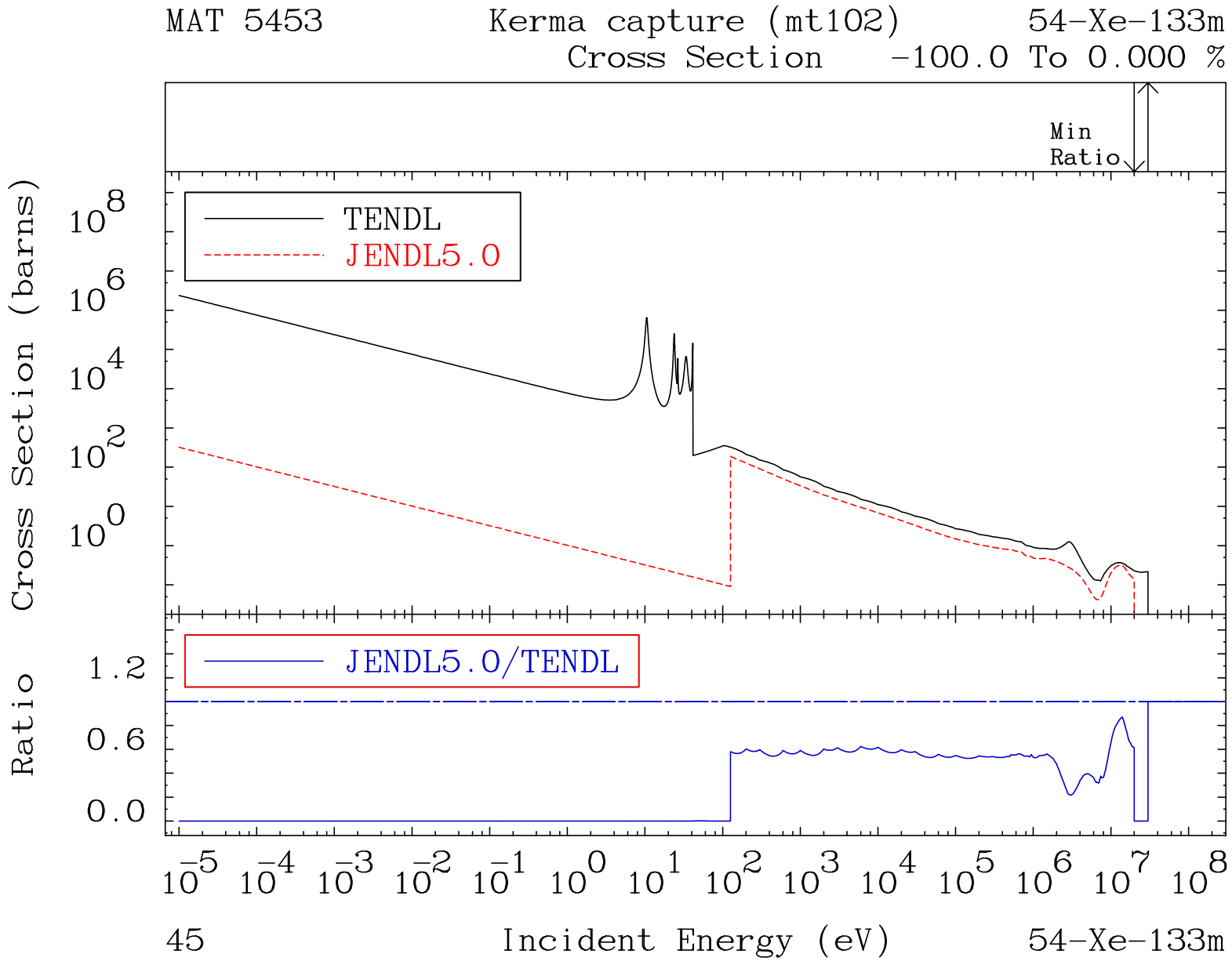

MAT 5453
Kerma total (eV-barns)
54-Xe-133m
Cross Section -100.5 To 62.74 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
54-Xe-133m

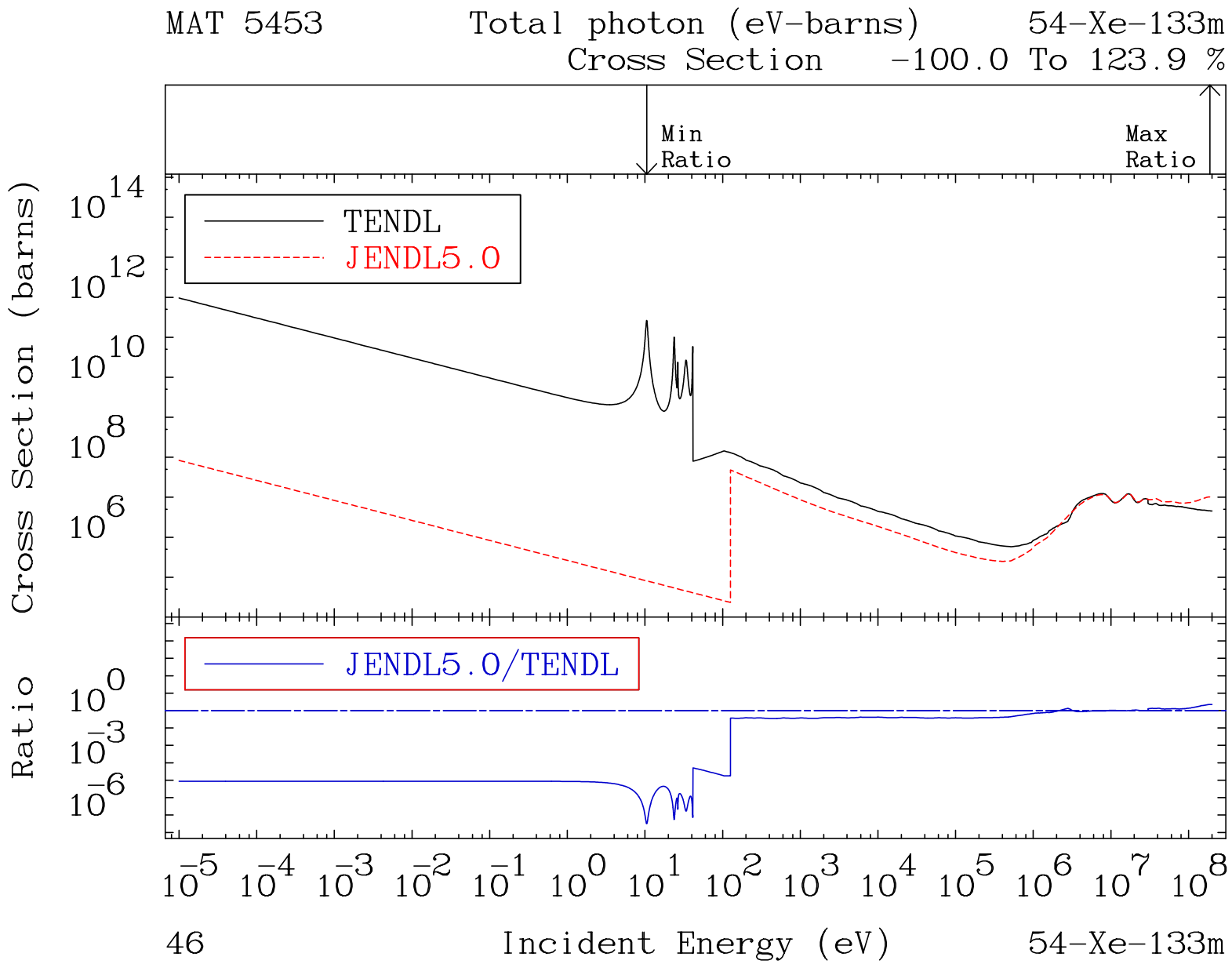

MAT 5453
Kerma elastic
Cross Section
54-Xe-133m
-99.99 To 2.533 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
54-Xe-133m

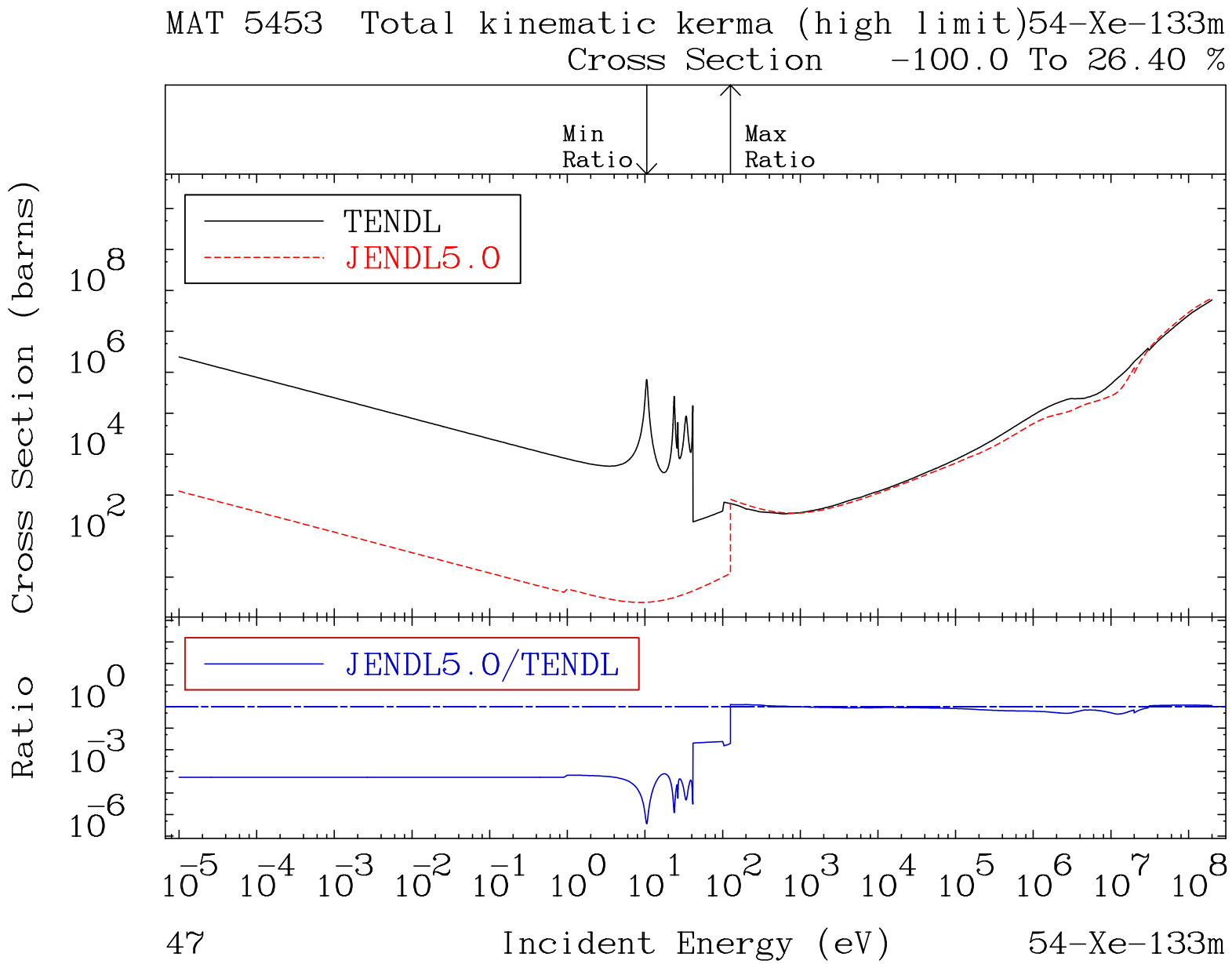

MAT 5453 Kerma non-elastic (all but mt2) 54-Xe-133m
Cross Section -101.1 To 191.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
54-Xe-133m

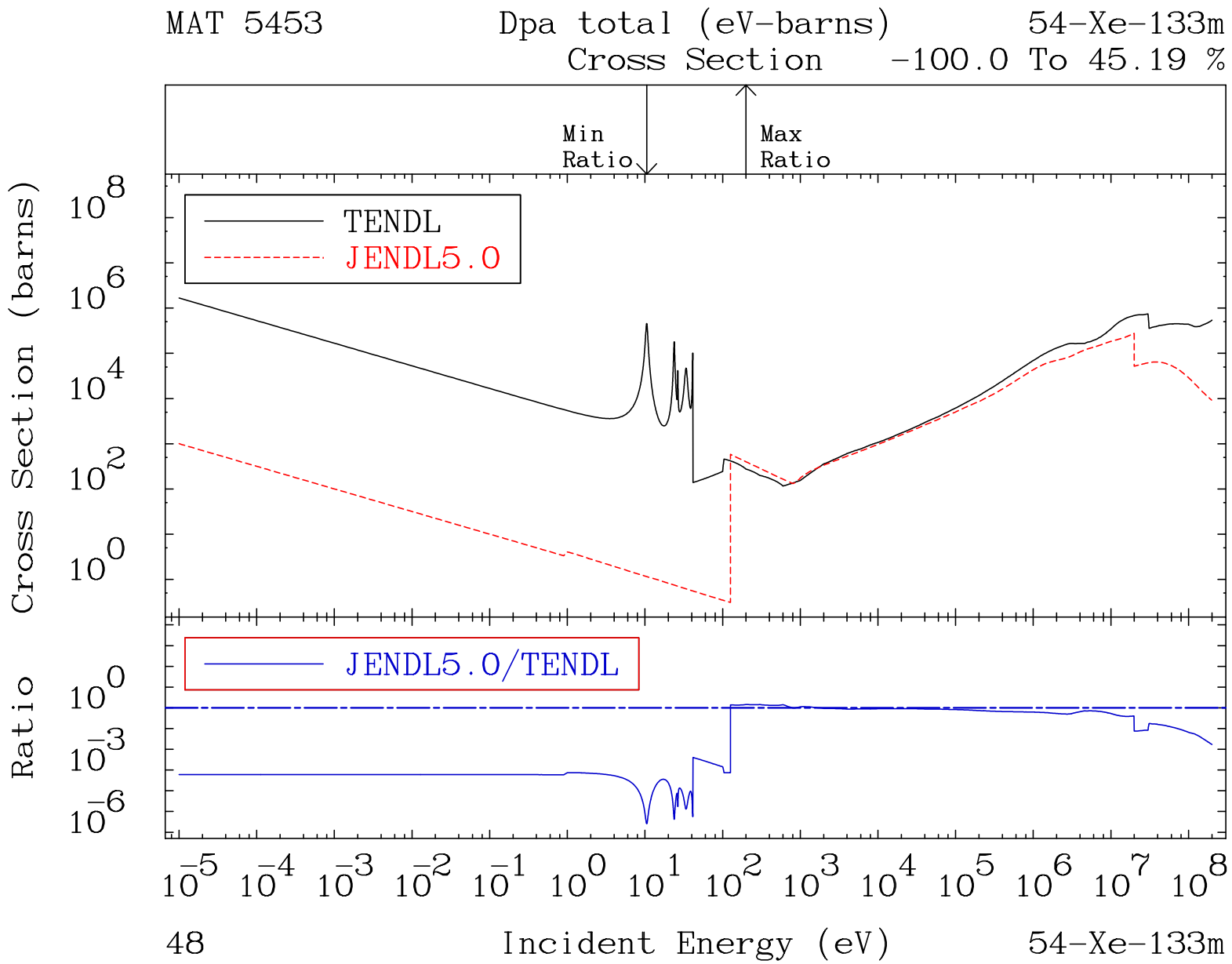

MAT 5453
Kerma inelastic (mt51-91)
54-Xe-133m
Cross Section -9999. To 195.5 %
Min Ratio
Max Ratio
TENDL Threshold 41.438 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
54-Xe-133m

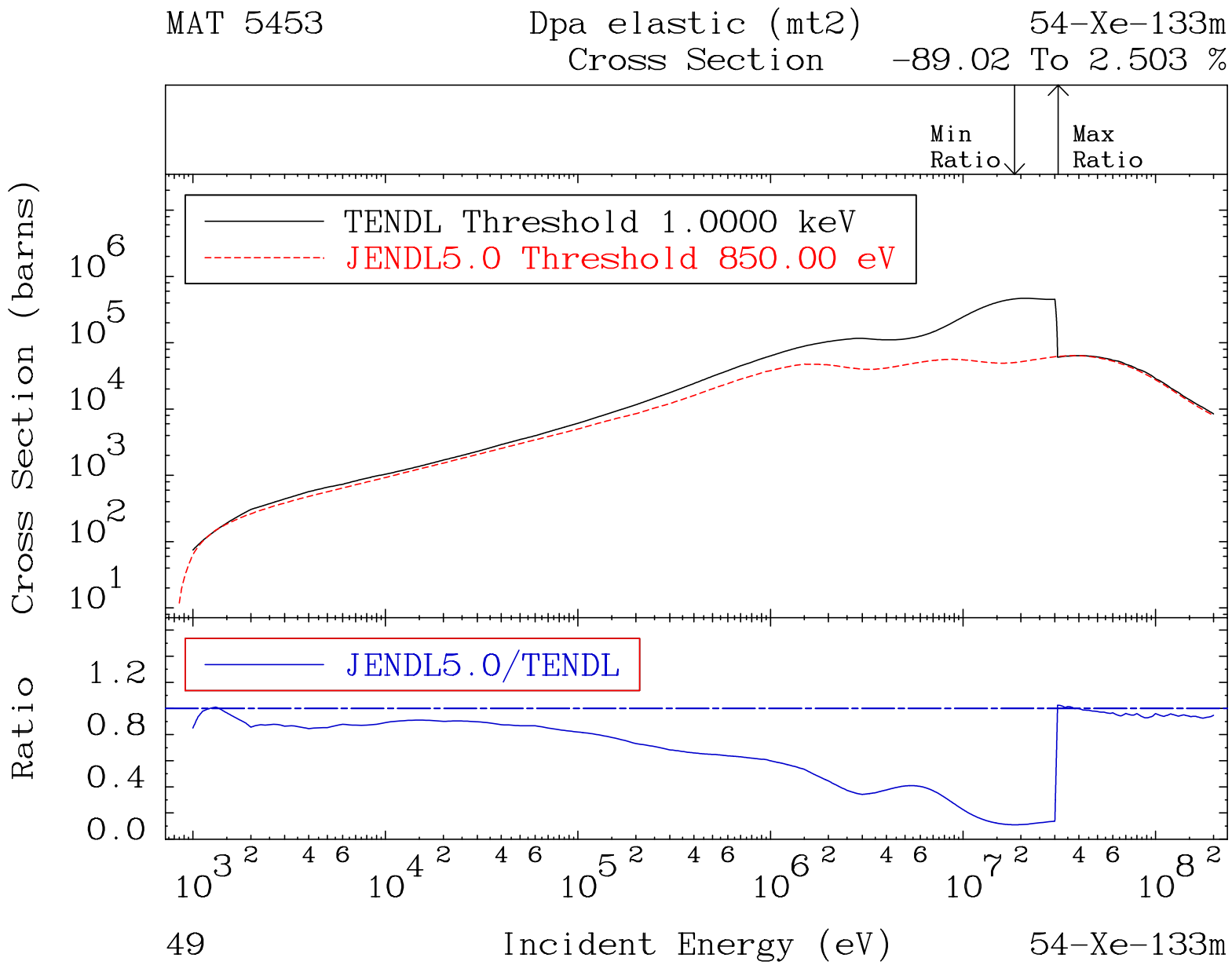

MAT 5453 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-133m
Cross Section -9999. To 195.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
400
0
-400
-800
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
44
Incident Energy (eV)
54-Xe-133m

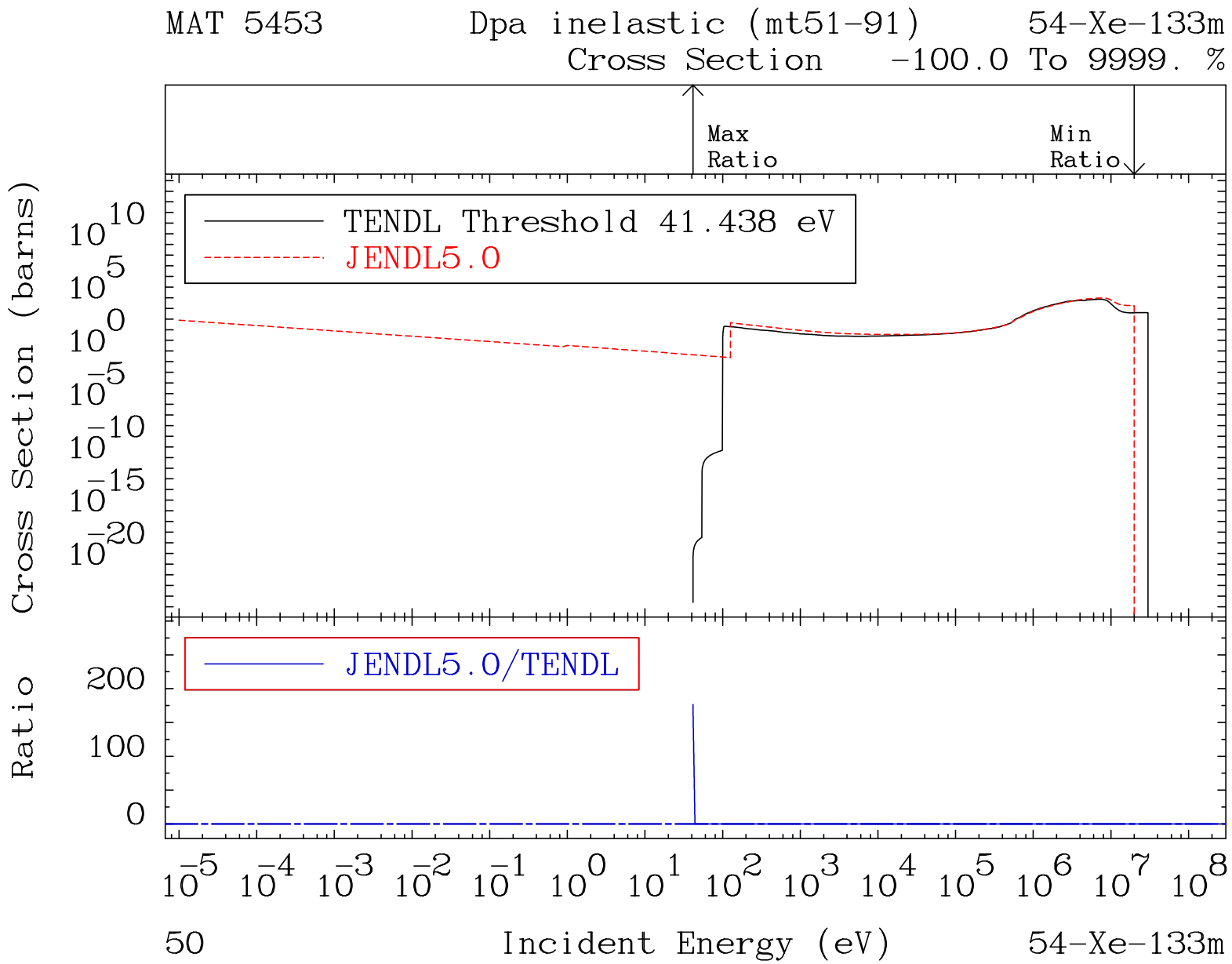

MAT 5453
Kerma capture (mt102)
54-Xe-133m
Cross Section -100.0 To 0.000 %
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
54-Xe-133m

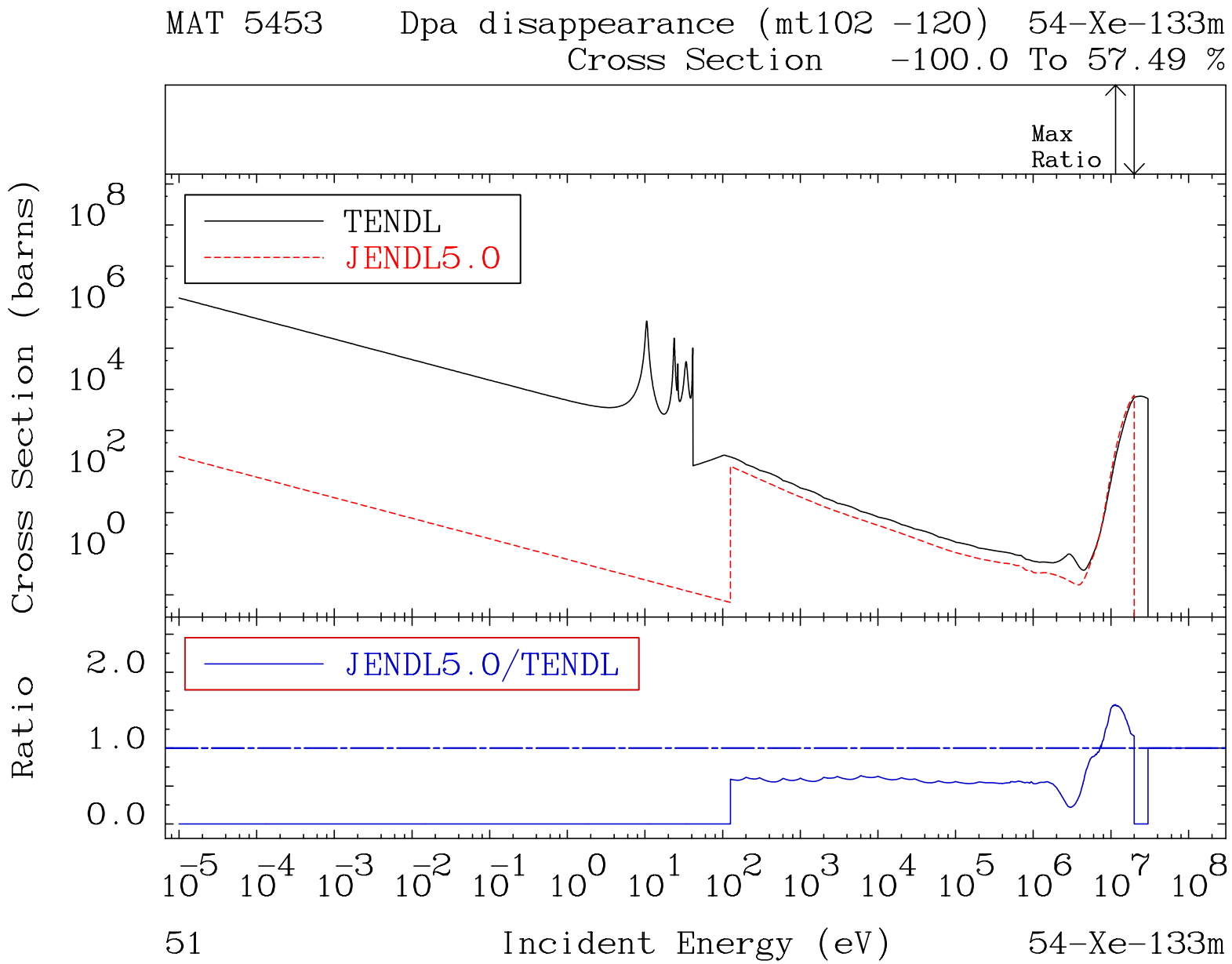

MAT 5453
Total photon (eV-barns)
54-Xe-133m
Cross Section -100.0 To 123.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
54-Xe-133m

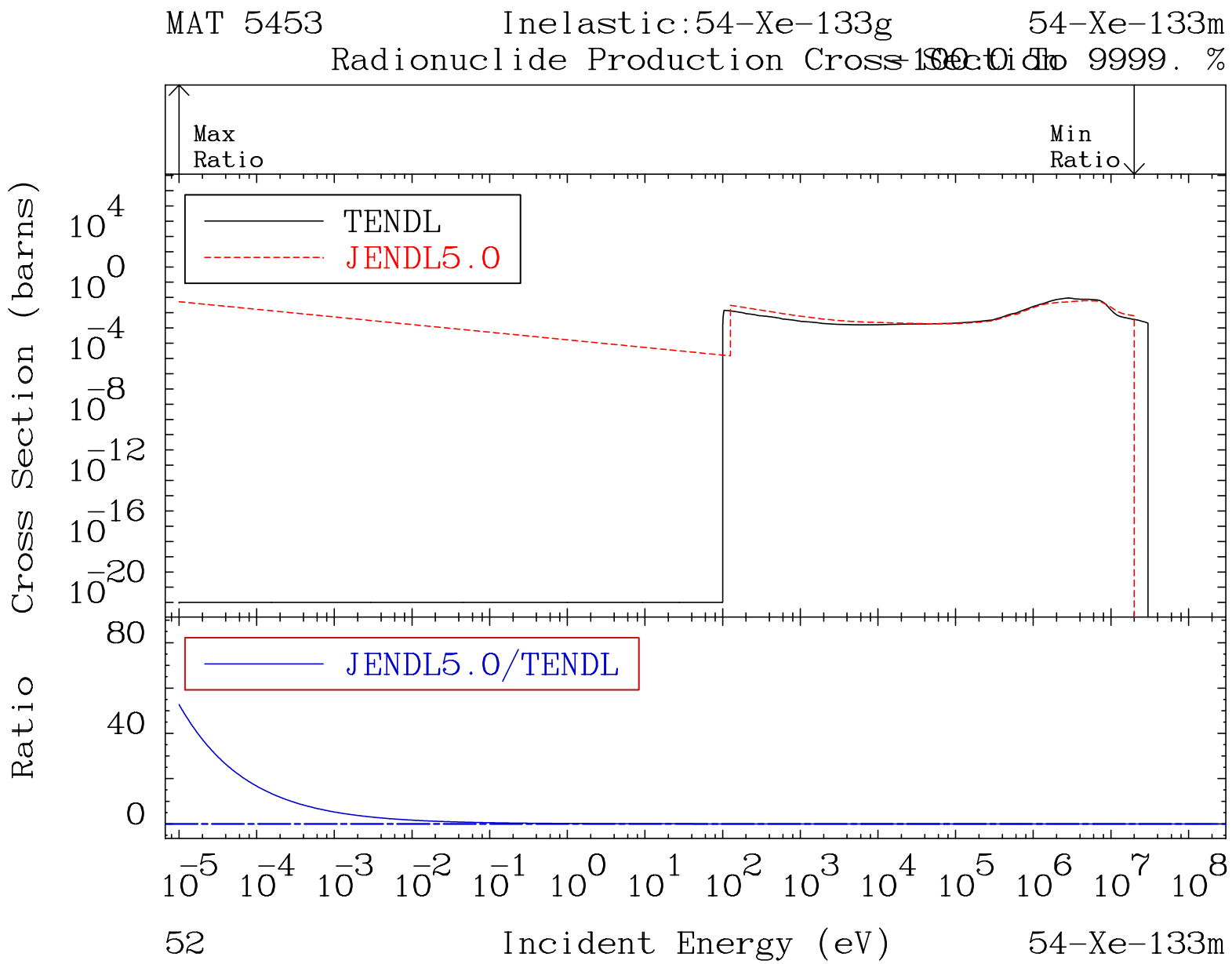

MAT 5453 Total kinematic kerma (high limit)54-Xe-133m
Cross Section -100.0 To 26.40 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
54-Xe-133m

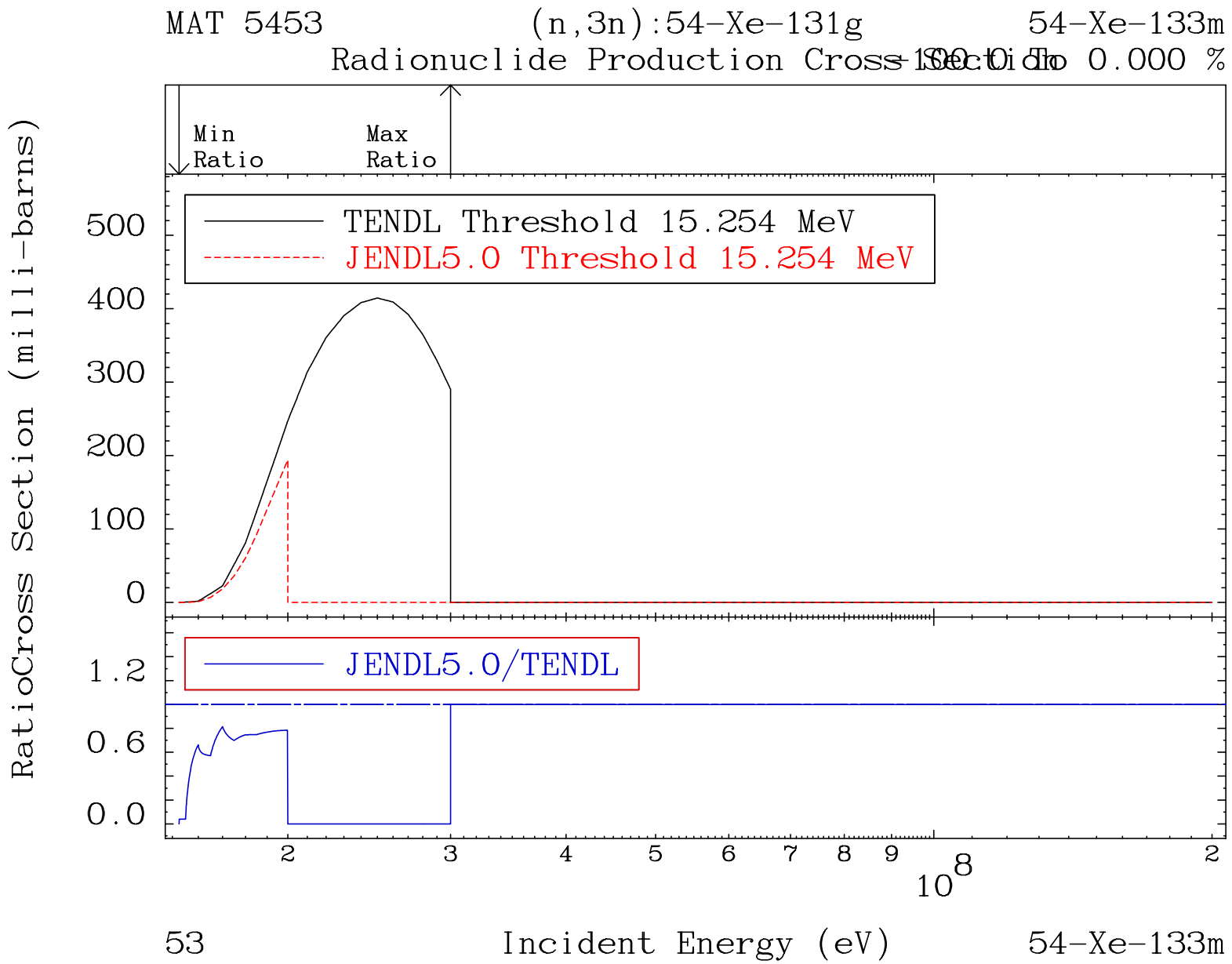

MAT 5453
Dpa total (eV-barns)
54-Xe-133m
Cross Section -100.0 To 45.19 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
54-Xe-133m

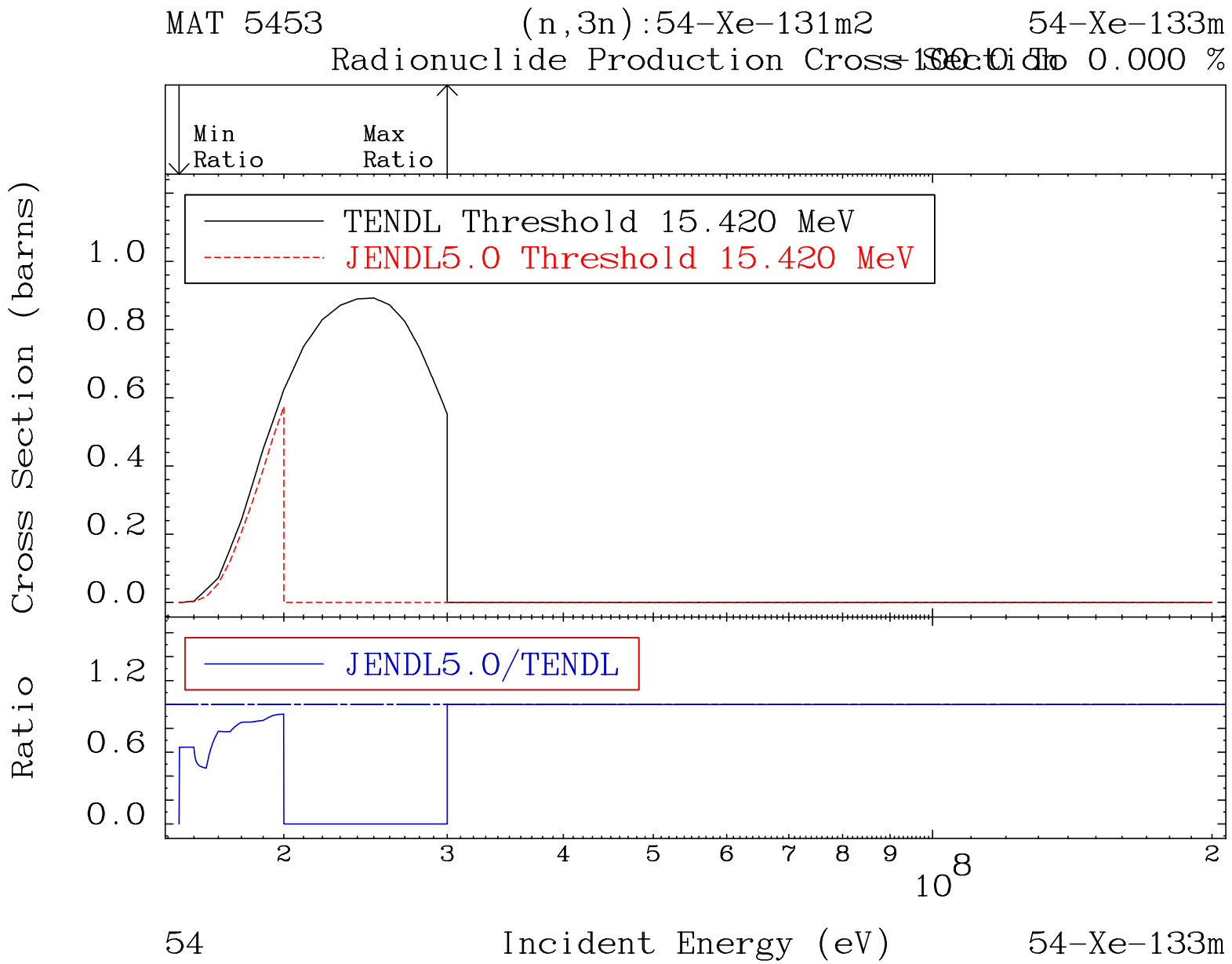

MAT 5453
Dpa elastic (mt2)
Cross Section
54-Xe-133m
-89.02 To 2.503 %
Min Ratio
Max Ratio
TENDL Threshold 1.0000 keV
JENDL5.0 Threshold 850.00 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
54-Xe-133m

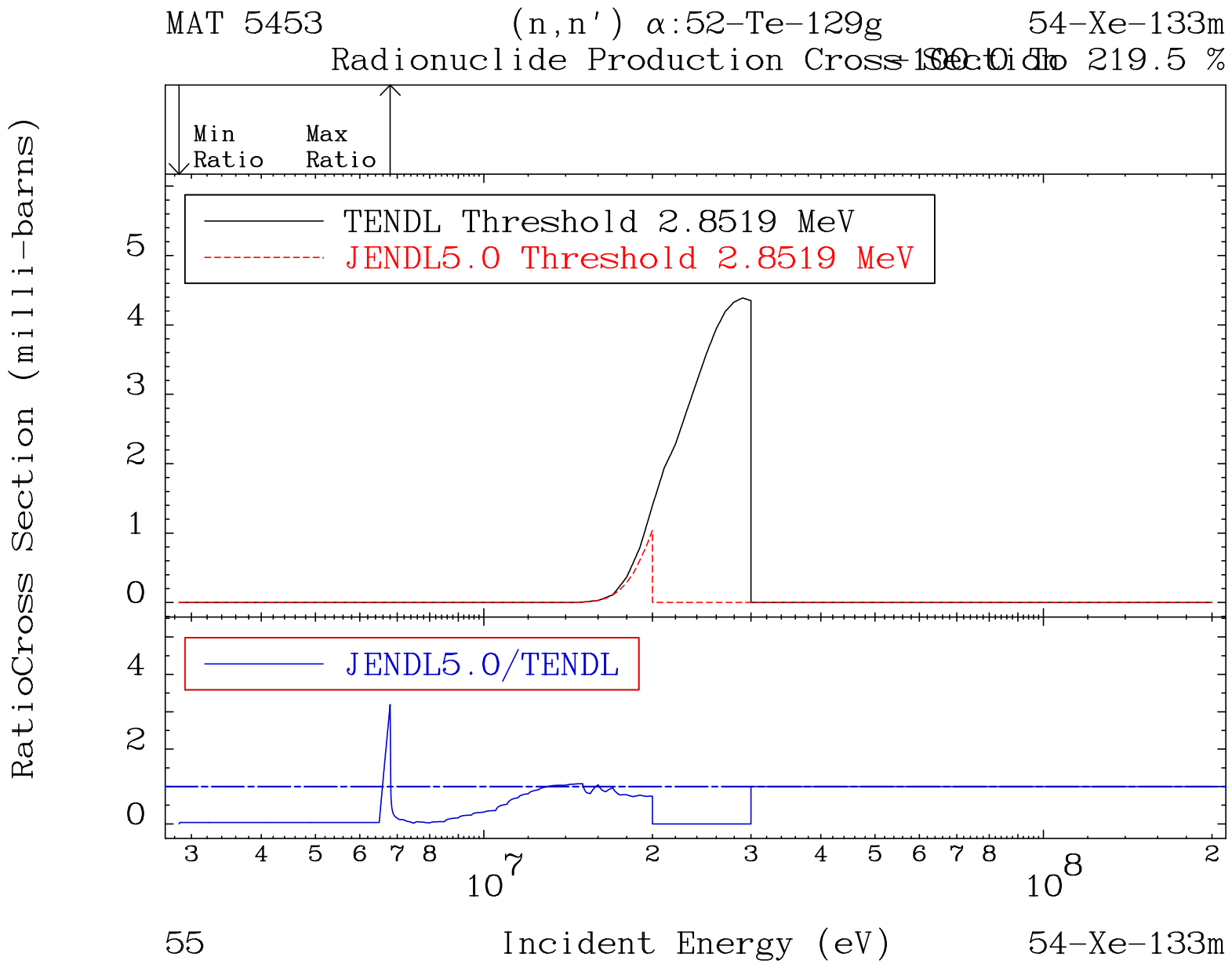

MAT 5453
Dpa inelastic (mt51-91)
54-Xe-133m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 41.438 eV
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
54-Xe-133m

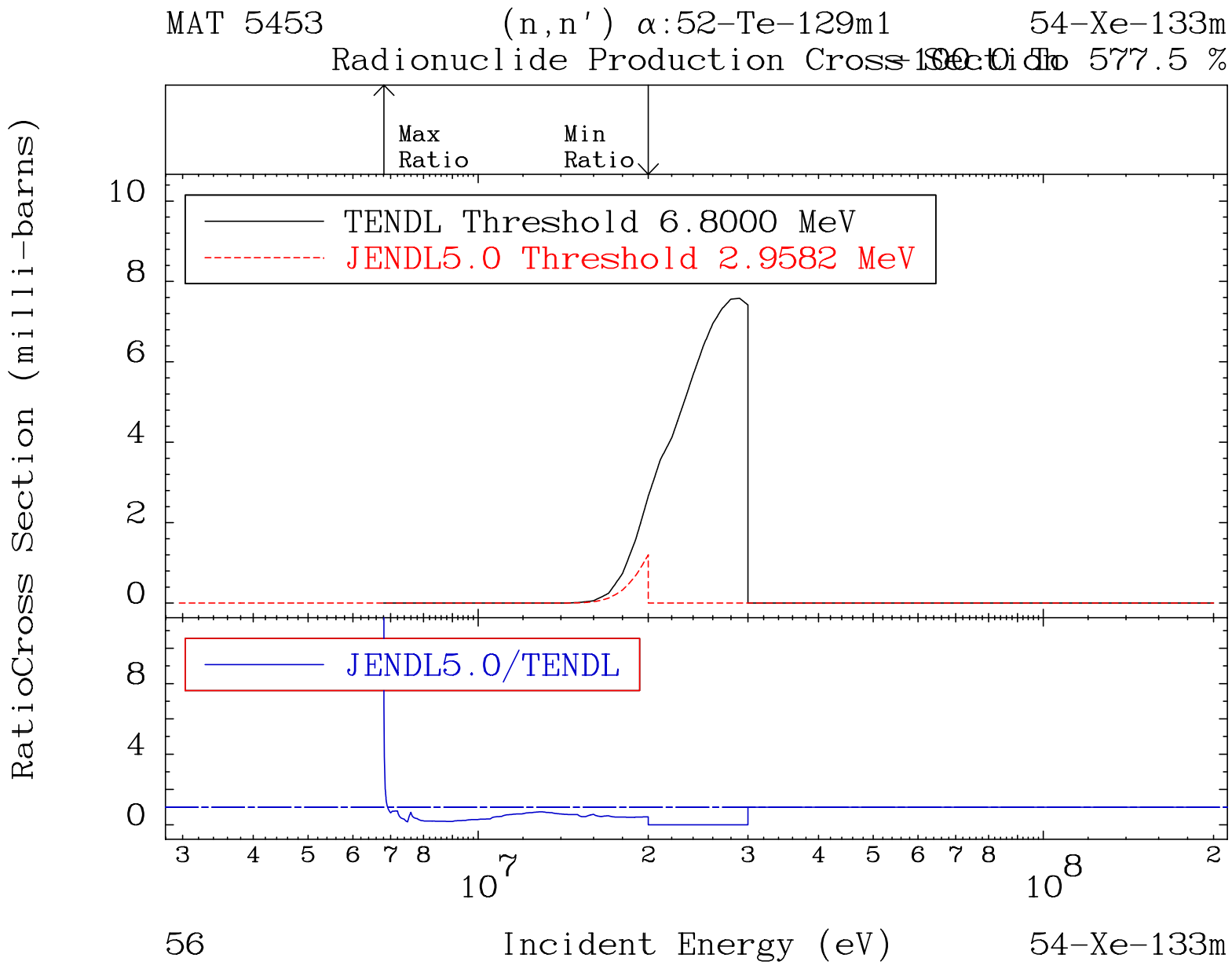

MAT 5453 Dpa disappearance (mt102 -120) 54-Xe-133m
Cross Section -100.0 To 57.49 %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
54-Xe-133m

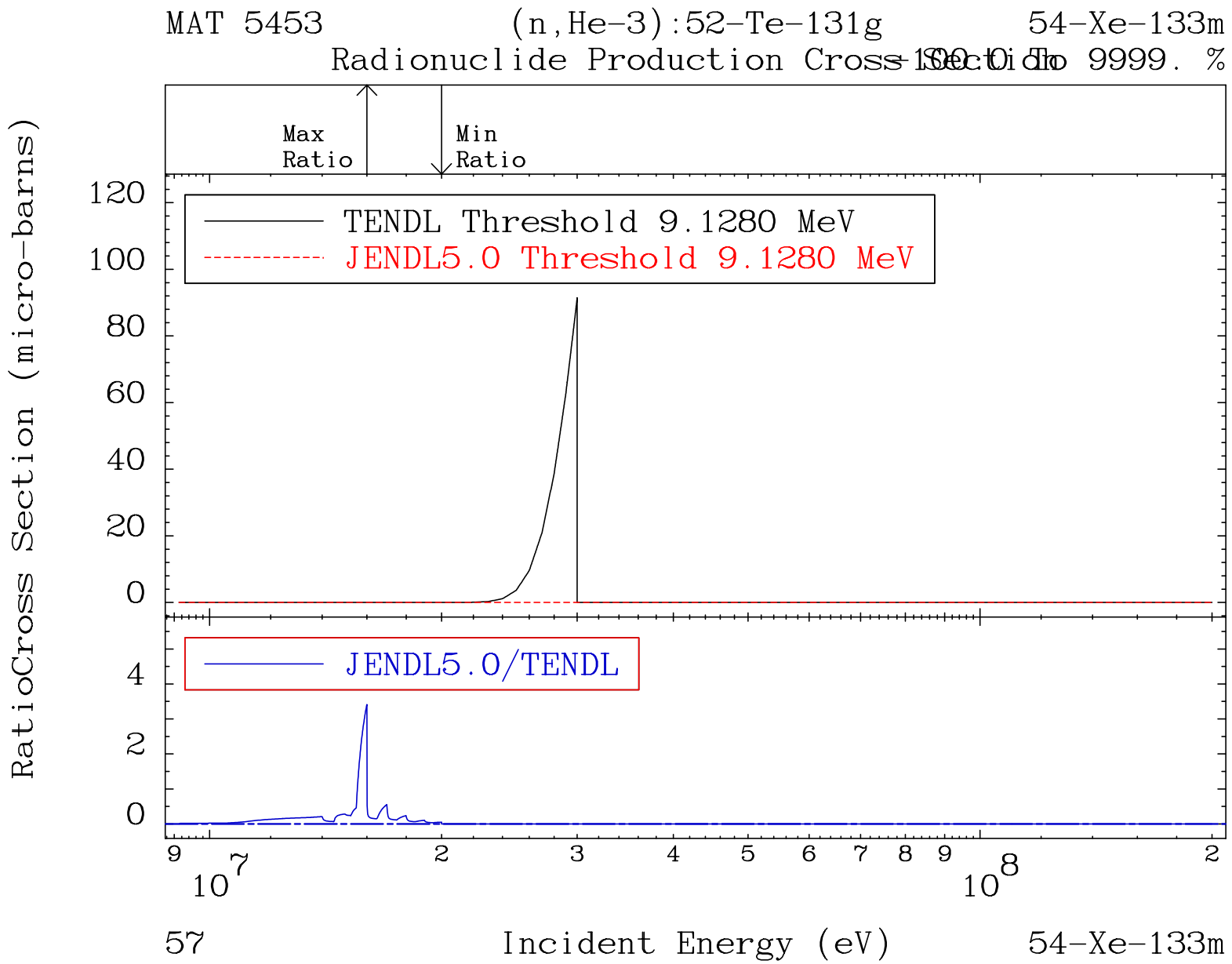

MAT 5453
Inelastic:54-Xe-133g
54-Xe-133m
Radionuclide Production Cross Section
100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
54-Xe-133m

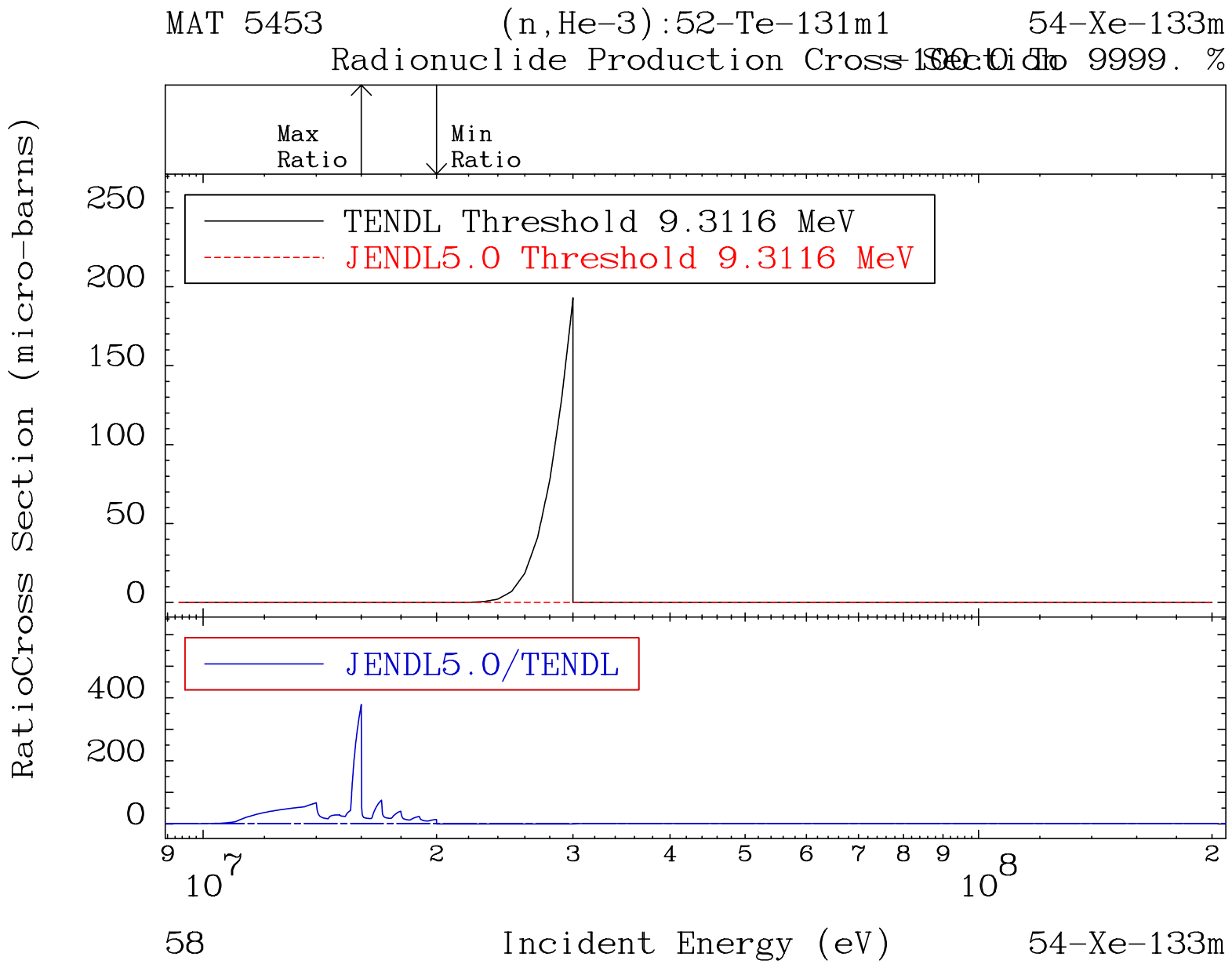

MAT 5453
(n,3n):54-Xe-131g
54-Xe-133m
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.254 MeV
JENDL5.0 Threshold 15.254 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
54-Xe-133m


MAT 5453
(n,3n):54-Xe-131m2
54-Xe-133m
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.420 MeV
JENDL5.0 Threshold 15.420 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
54-Xe-133m


MAT 5453
(n,n') α:52-Te-129g
54-Xe-133m
Radionuclide Production Cross Section To 219.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.8519 MeV
JENDL5.0 Threshold 2.8519 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
54-Xe-133m


MAT 5453
(n,n') α:52-Te-129m1
54-Xe-133m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.8000 MeV
JENDL5.0 Threshold 2.9582 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
54-Xe-133m


MAT 5453
(n,He-3):52-Te-131g
54-Xe-133m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.1280 MeV
JENDL5.0 Threshold 9.1280 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
57
54-Xe-133m


MAT 5453
(n,He-3):52-Te-131m1
54-Xe-133m
Radionuclide Production Cross Section
190 to 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.3116 MeV
JENDL5.0 Threshold 9.3116 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
54-Xe-133m