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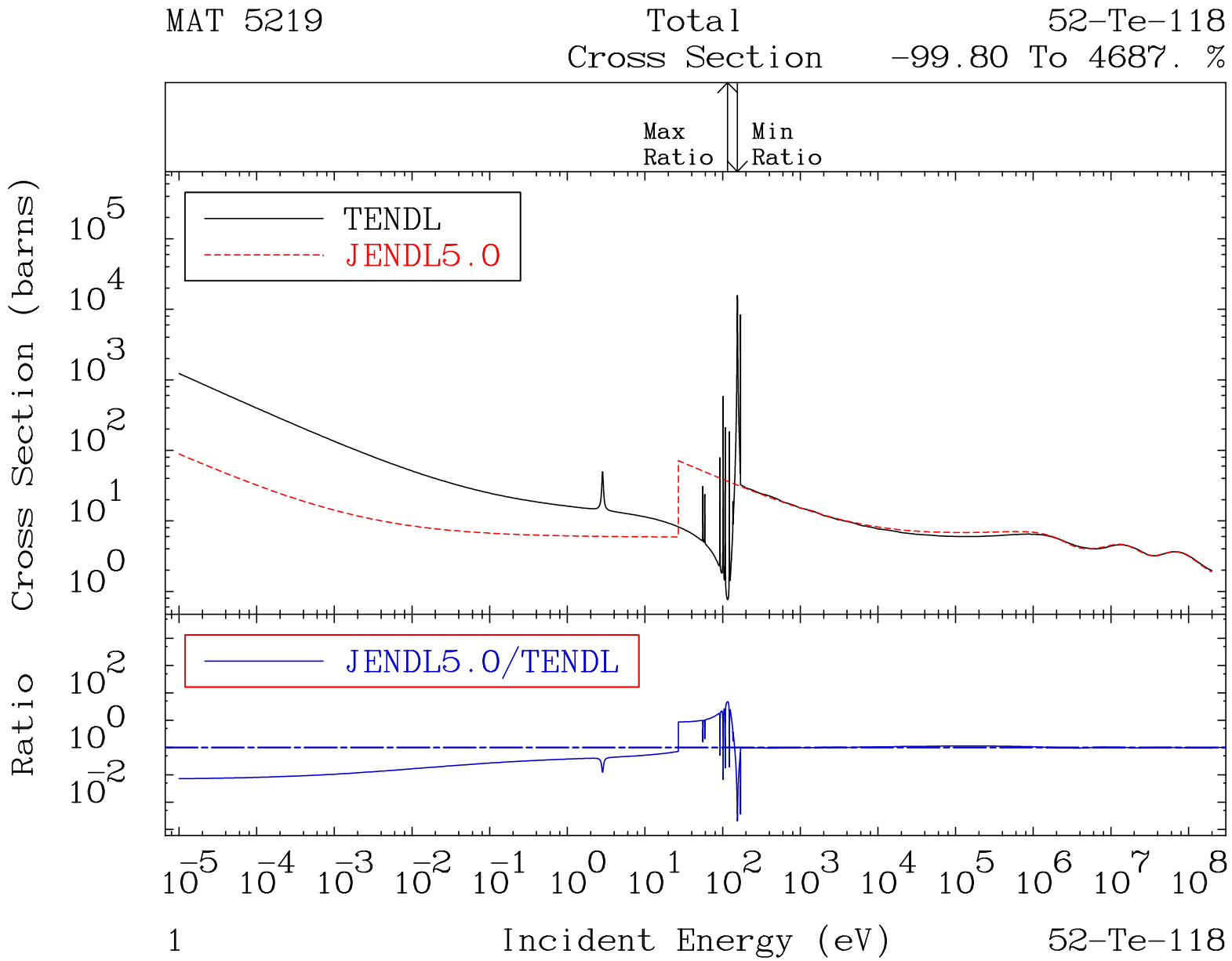
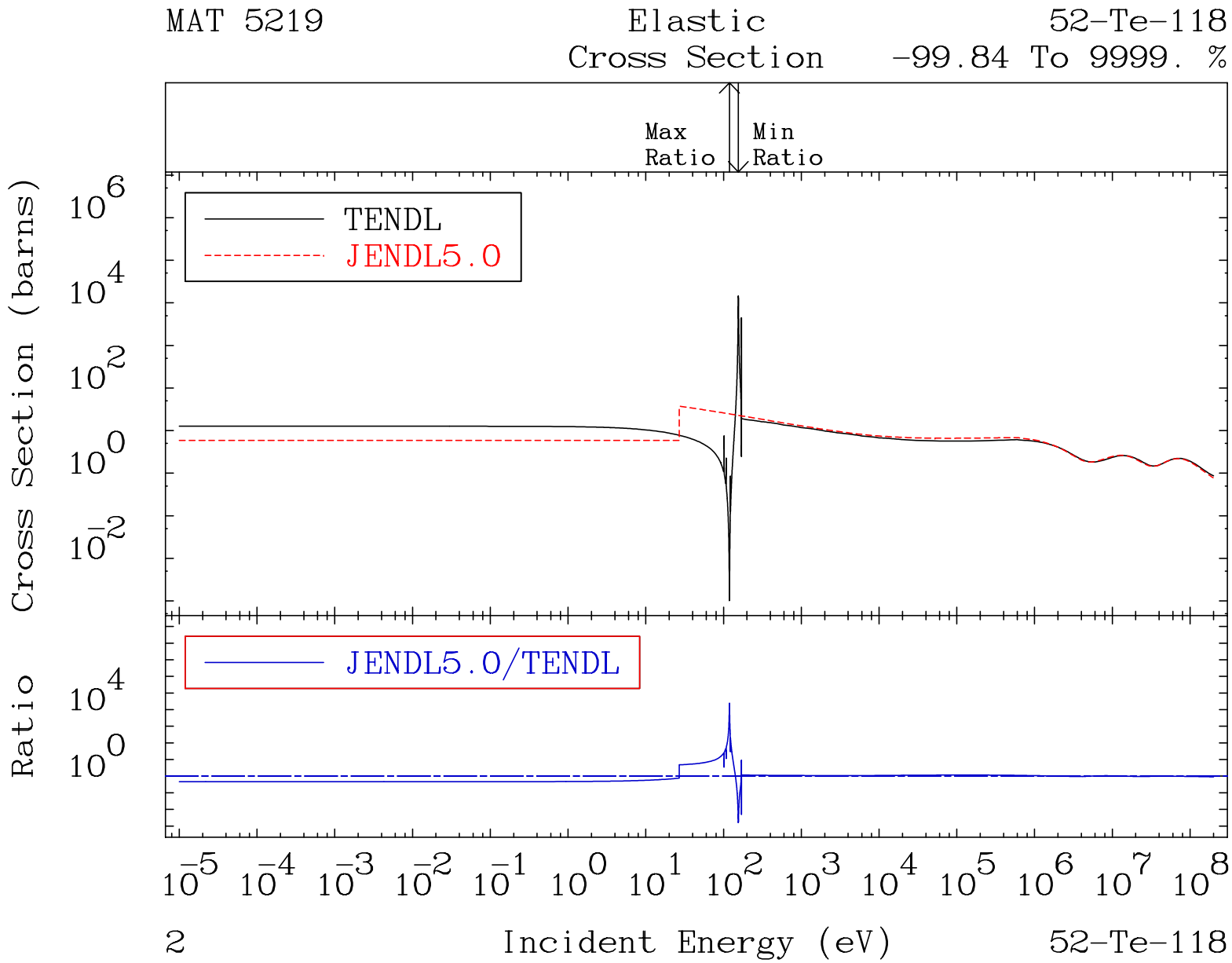
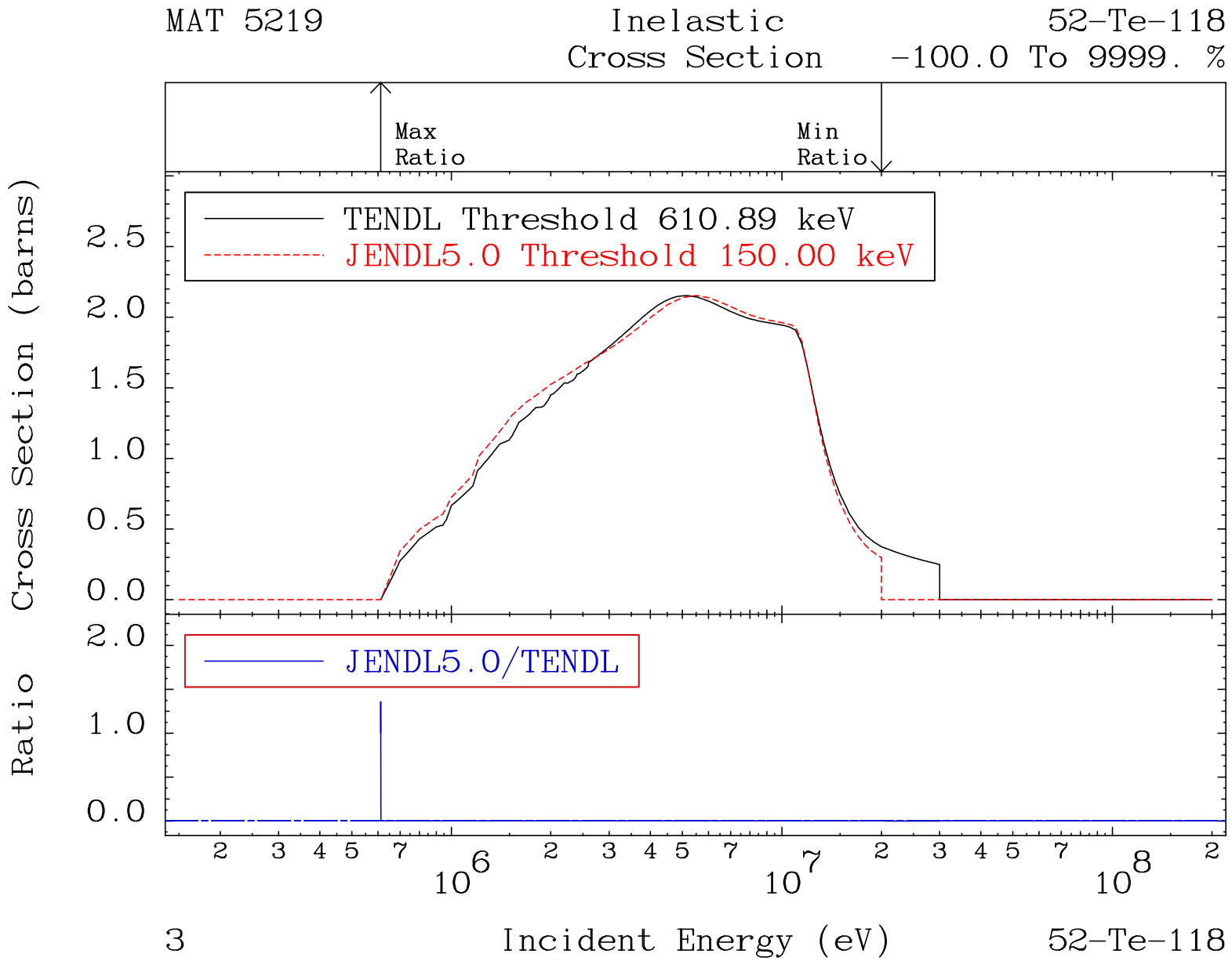
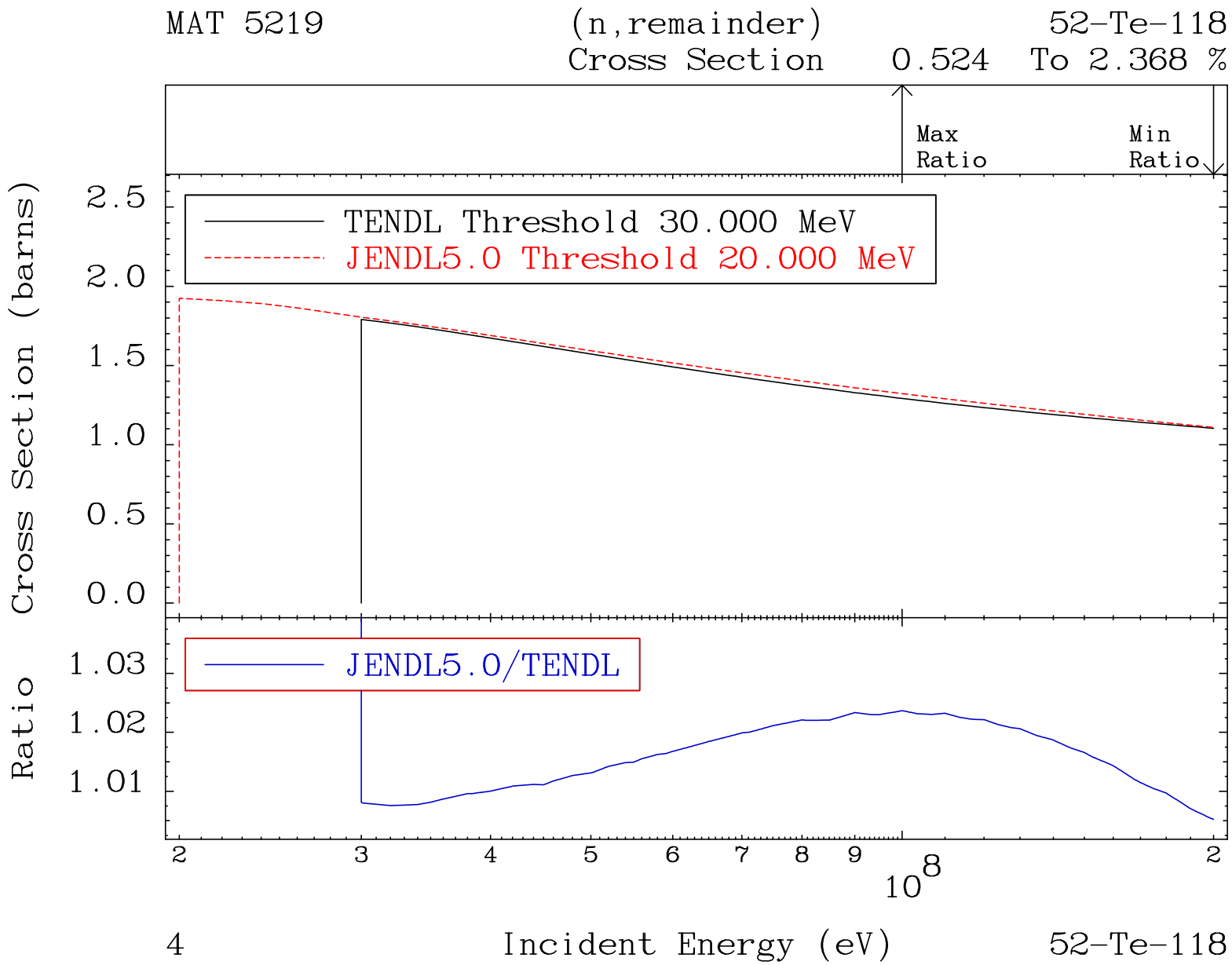
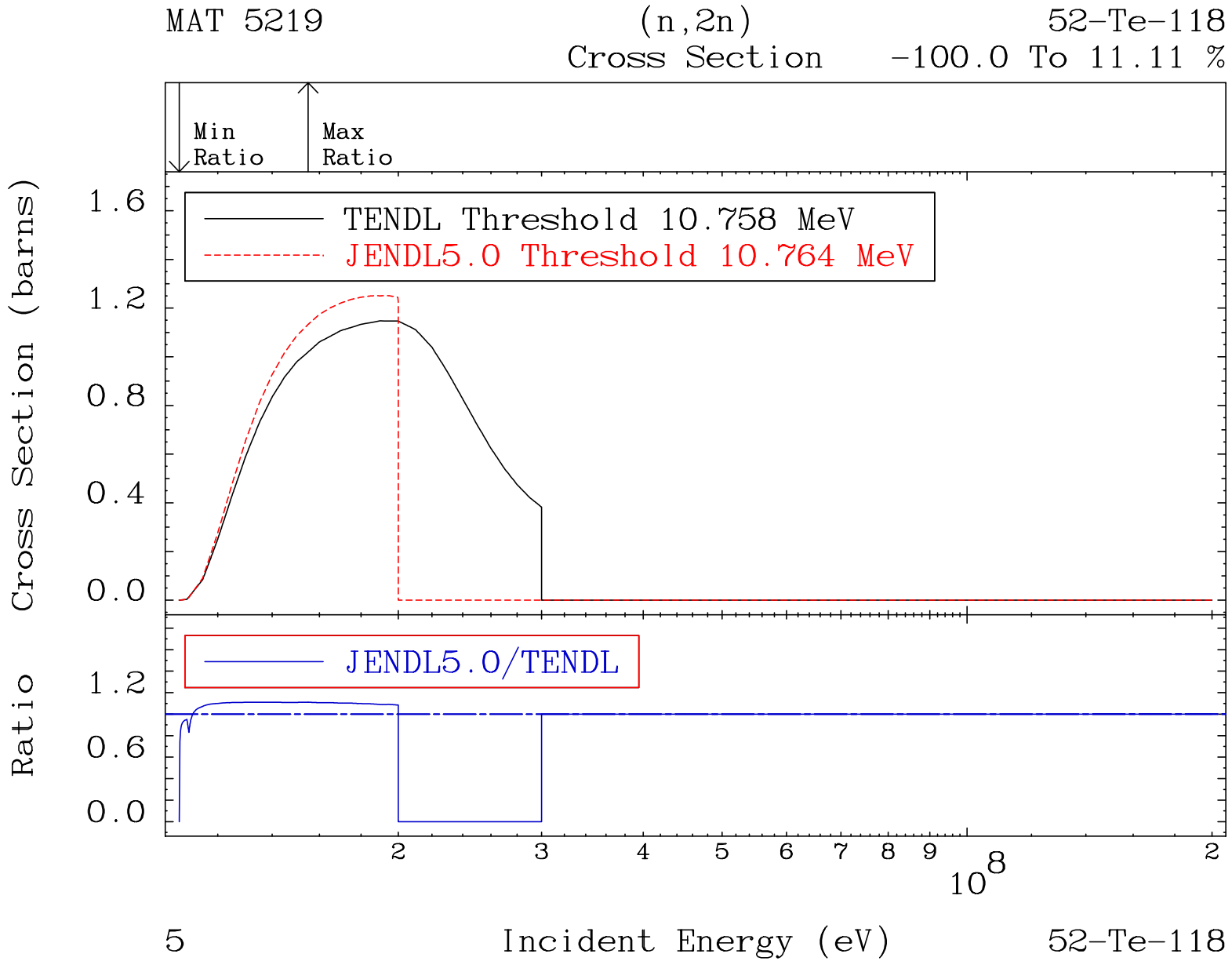
Press Mouse Button to Start

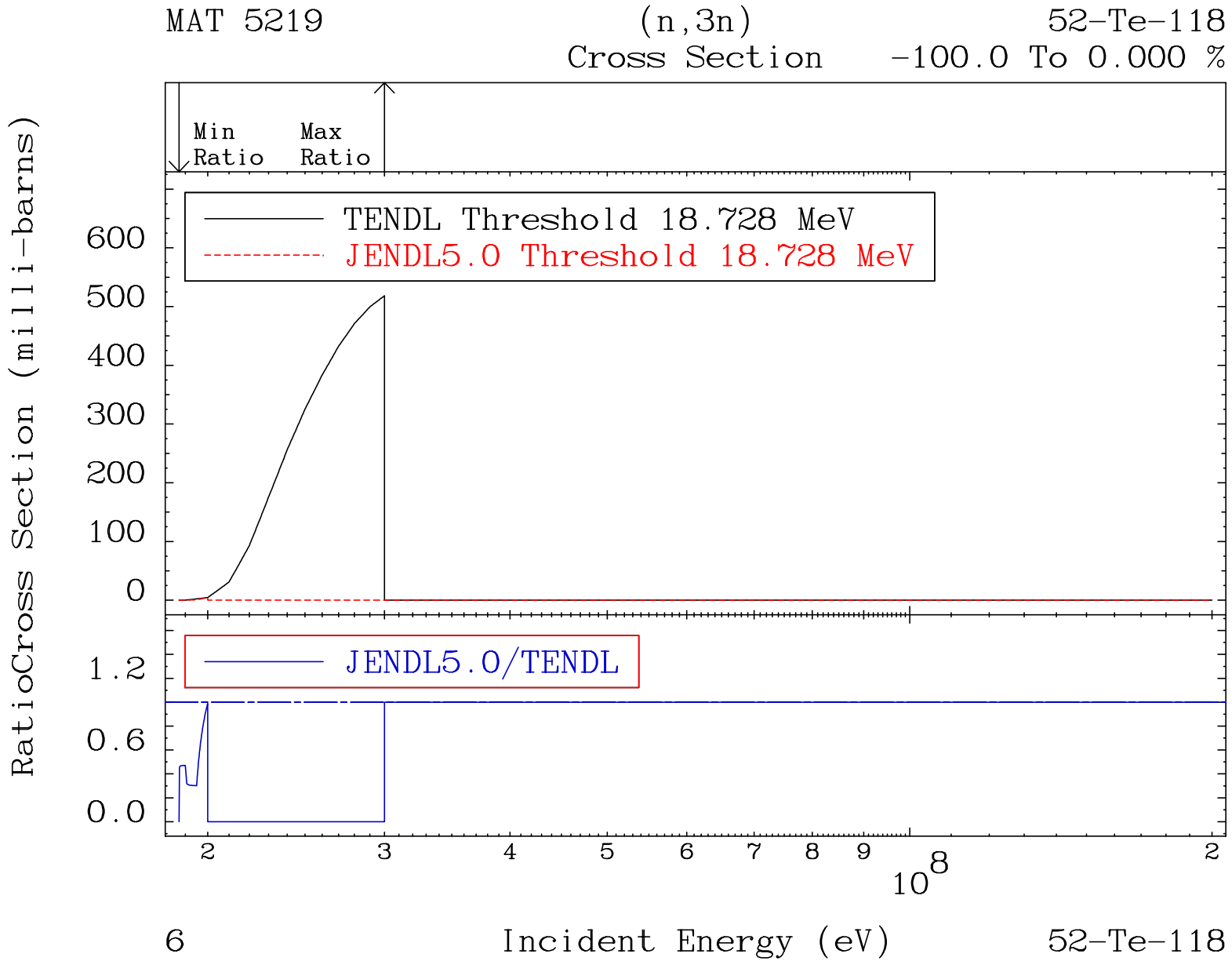

MAT 5219
Total
Cross Section
52-Te-118
-99.80 To 4687. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-118

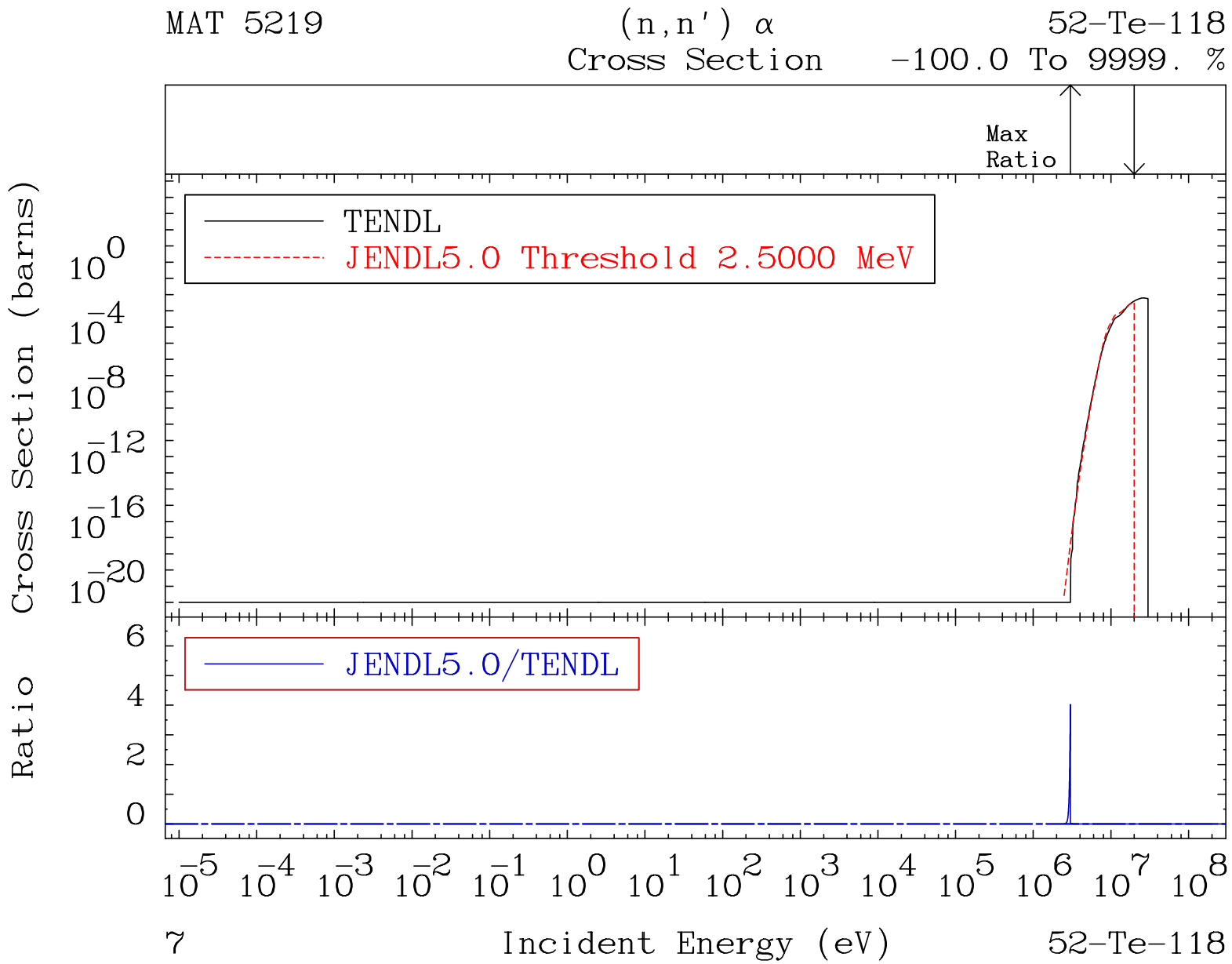

MAT 5219
Elastic
Cross Section
52-Te-118
-99.84 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-118

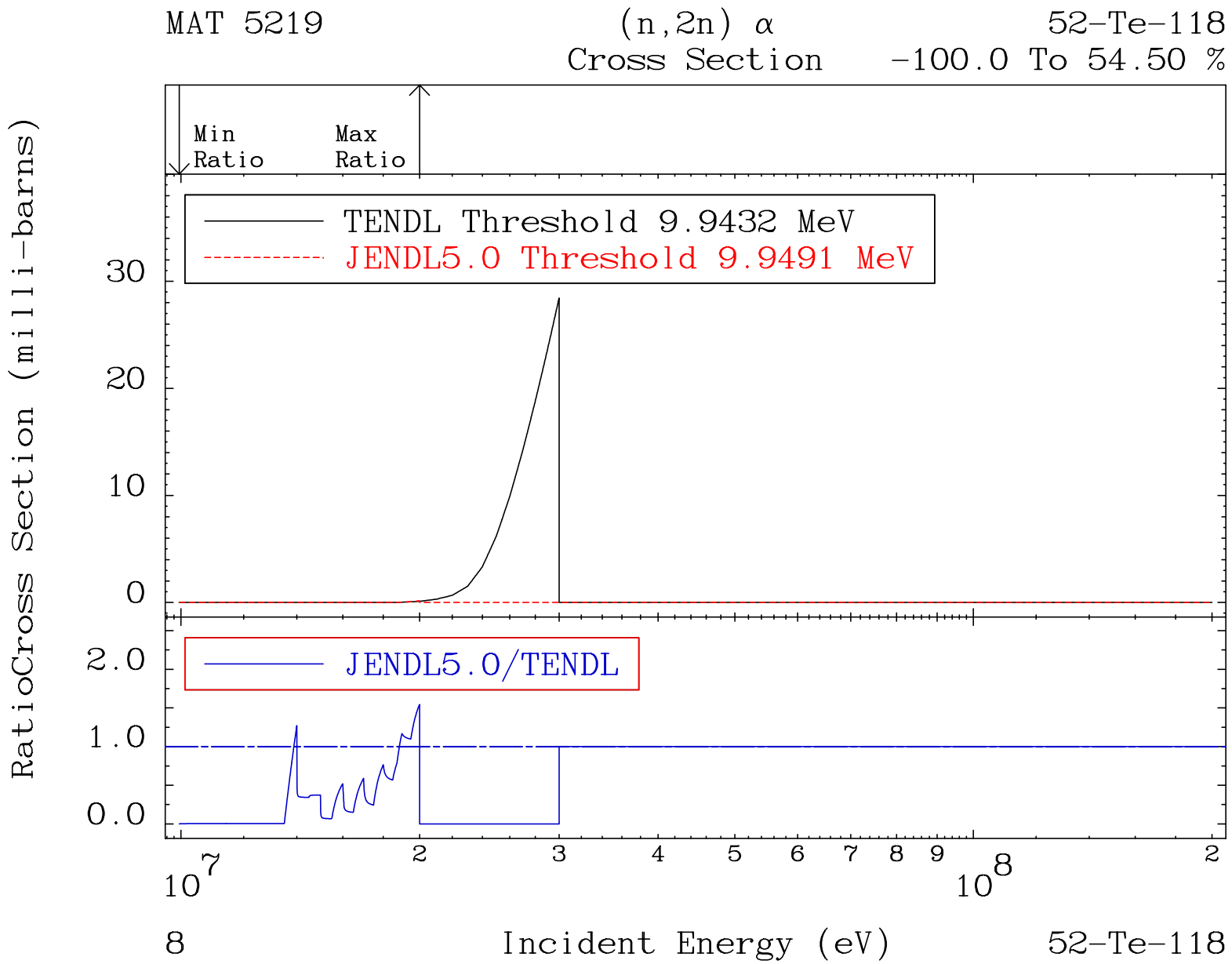

MAT 5219
Inelastic
Cross Section
52-Te-118
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 610.89 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
3
52-Te-118

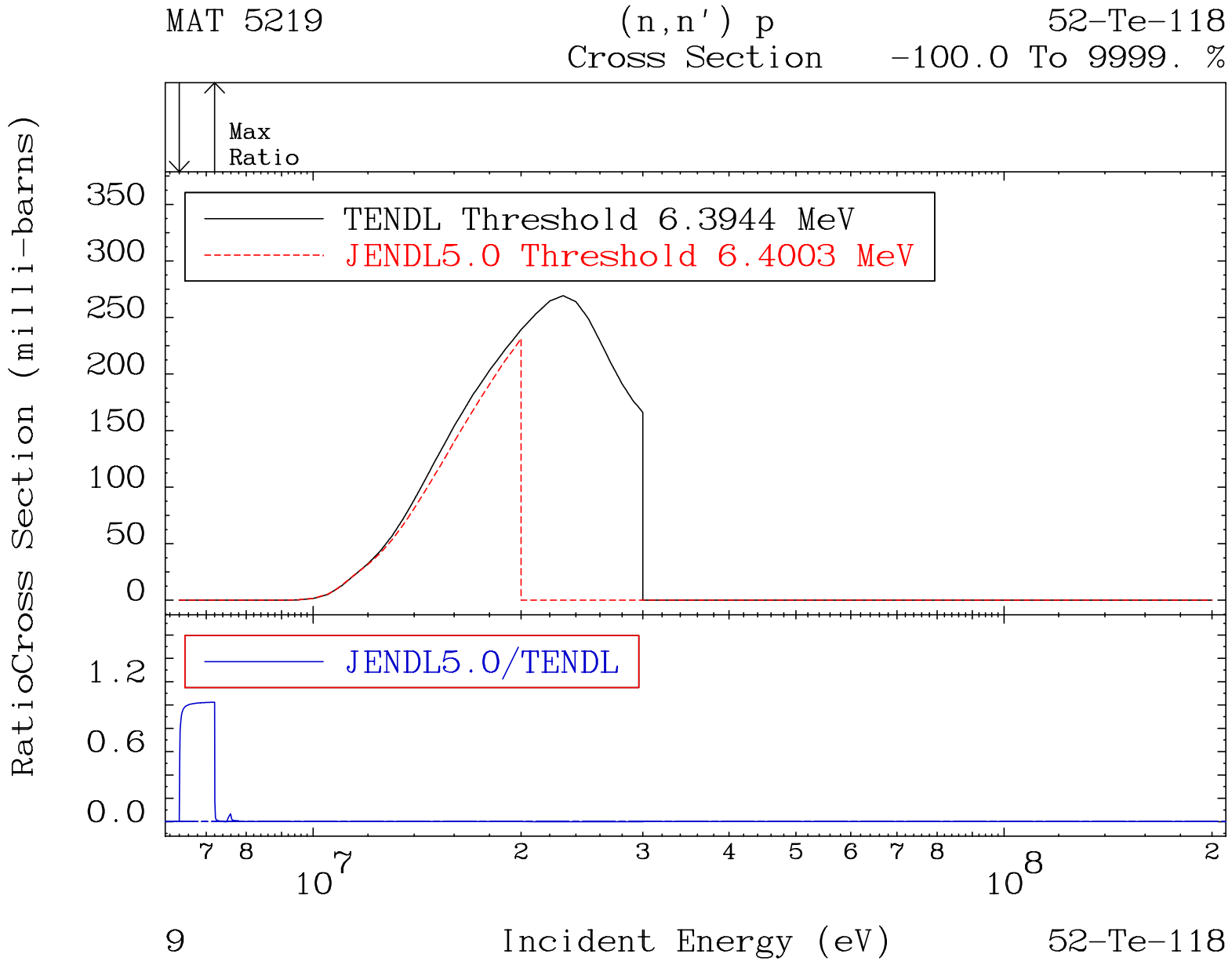

MAT 5219
(n,remainder)
Cross Section
52-Te-118
0.524 To 2.368 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.03
1.02
1.01
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
52-Te-118

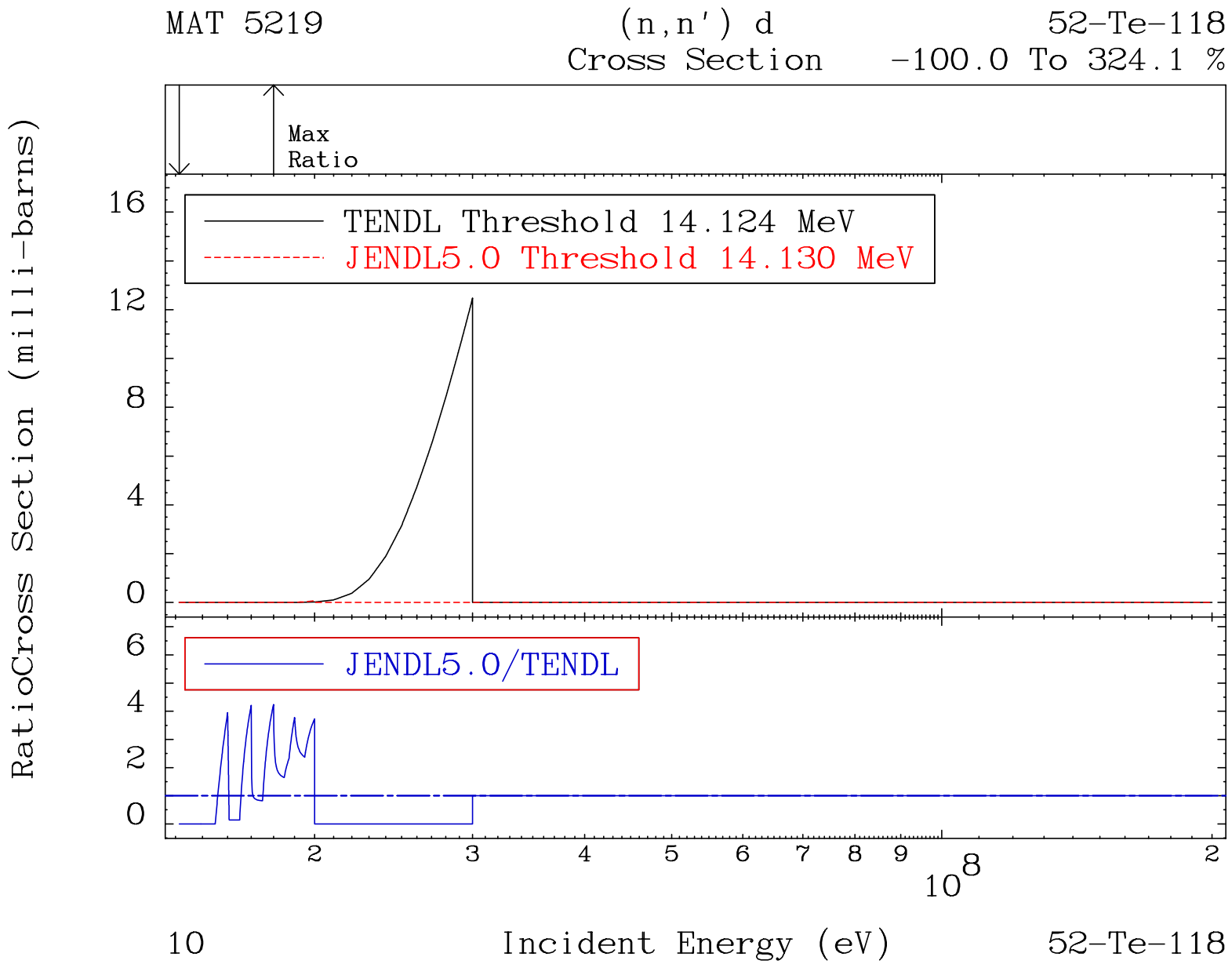

MAT 5219
(n,2n)
Cross Section
52-Te-118
-100.0 To 11.11 %
Min Ratio
Max Ratio
TENDL Threshold 10.758 MeV
JENDL5.0 Threshold 10.764 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
52-Te-118

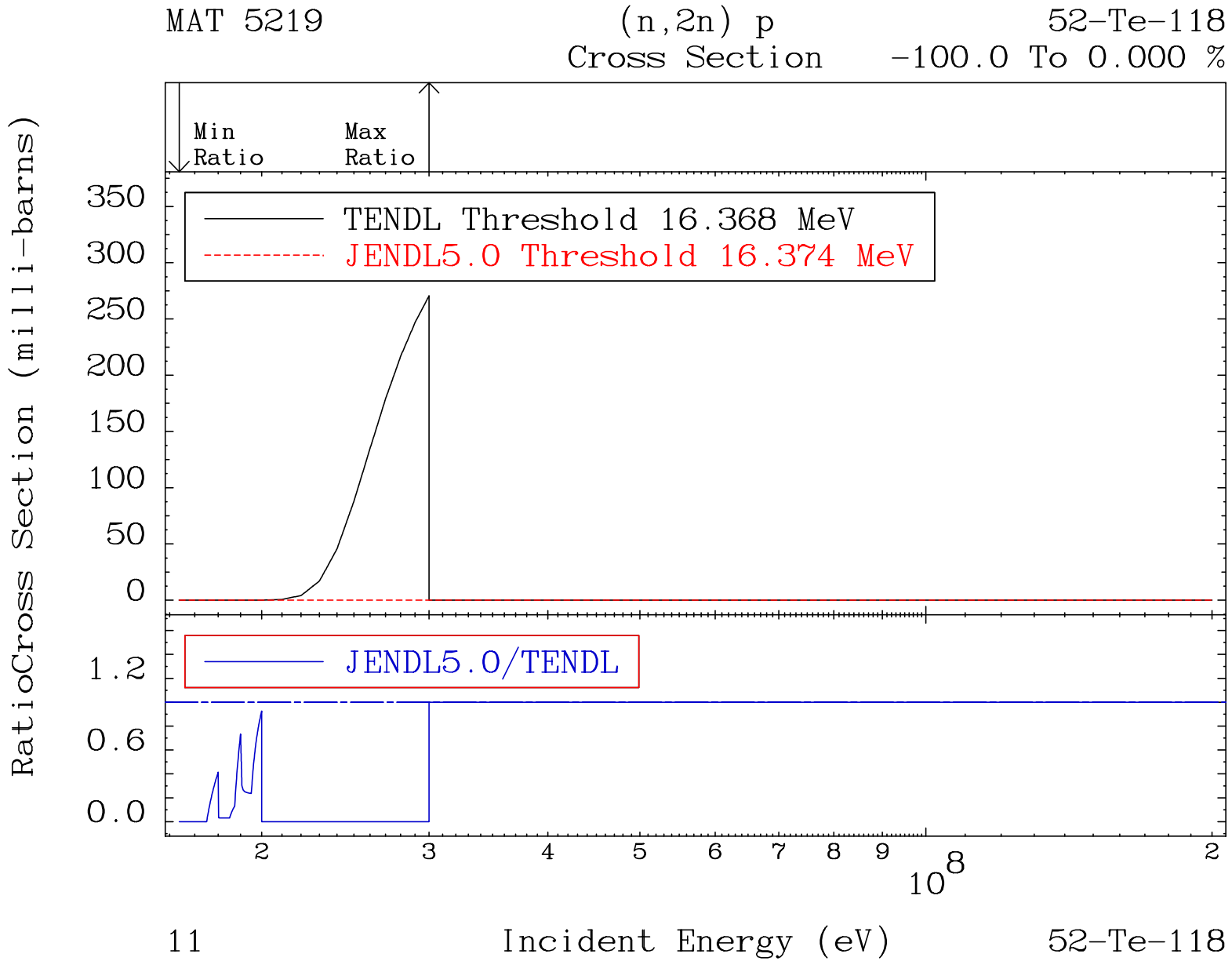

MAT 5219
(n,3n)
52-Te-118
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.728 MeV
JENDL5.0 Threshold 18.728 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-118

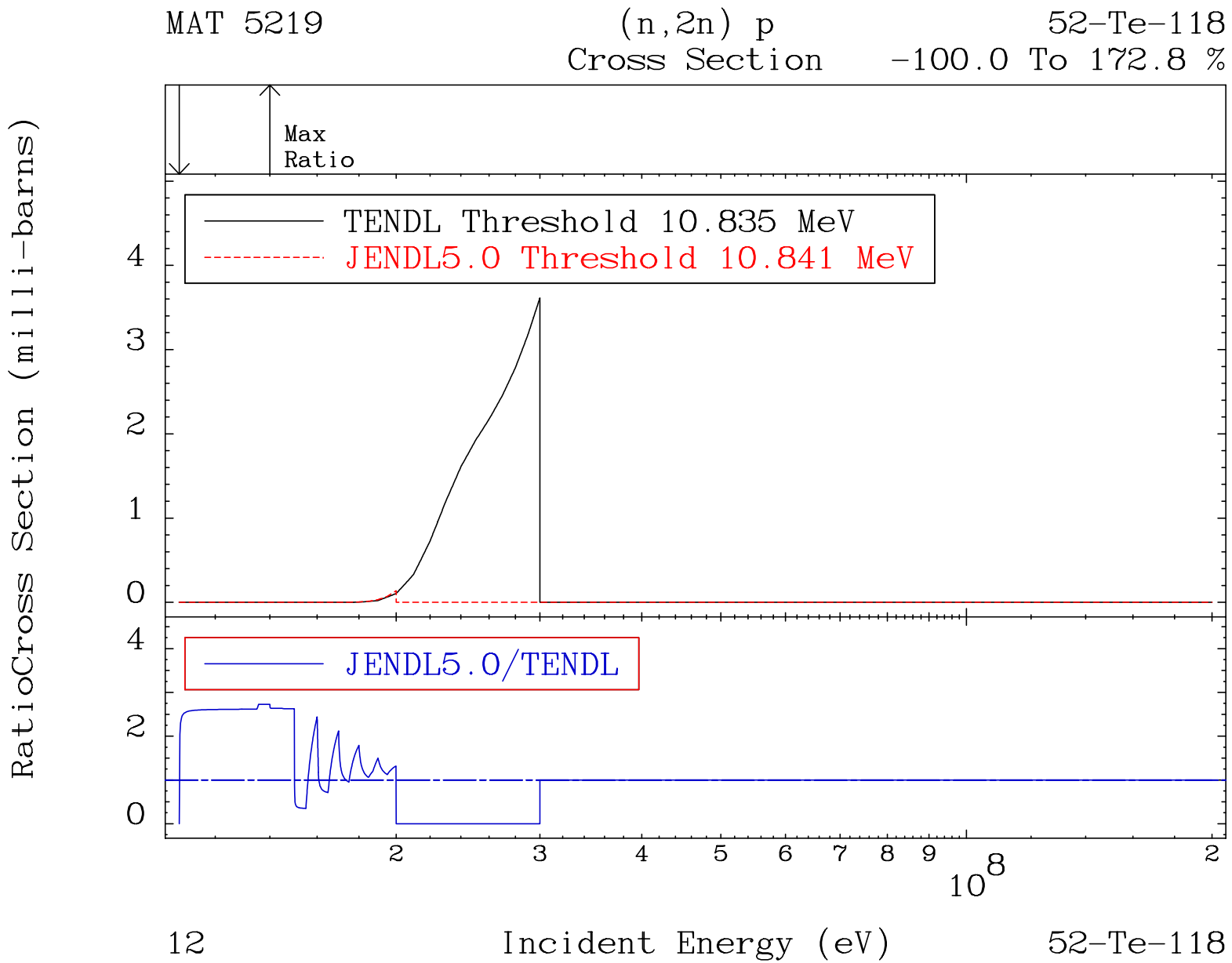

MAT 5219
(n,n') α
Cross Section
52-Te-118
-100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52-Te-118
7

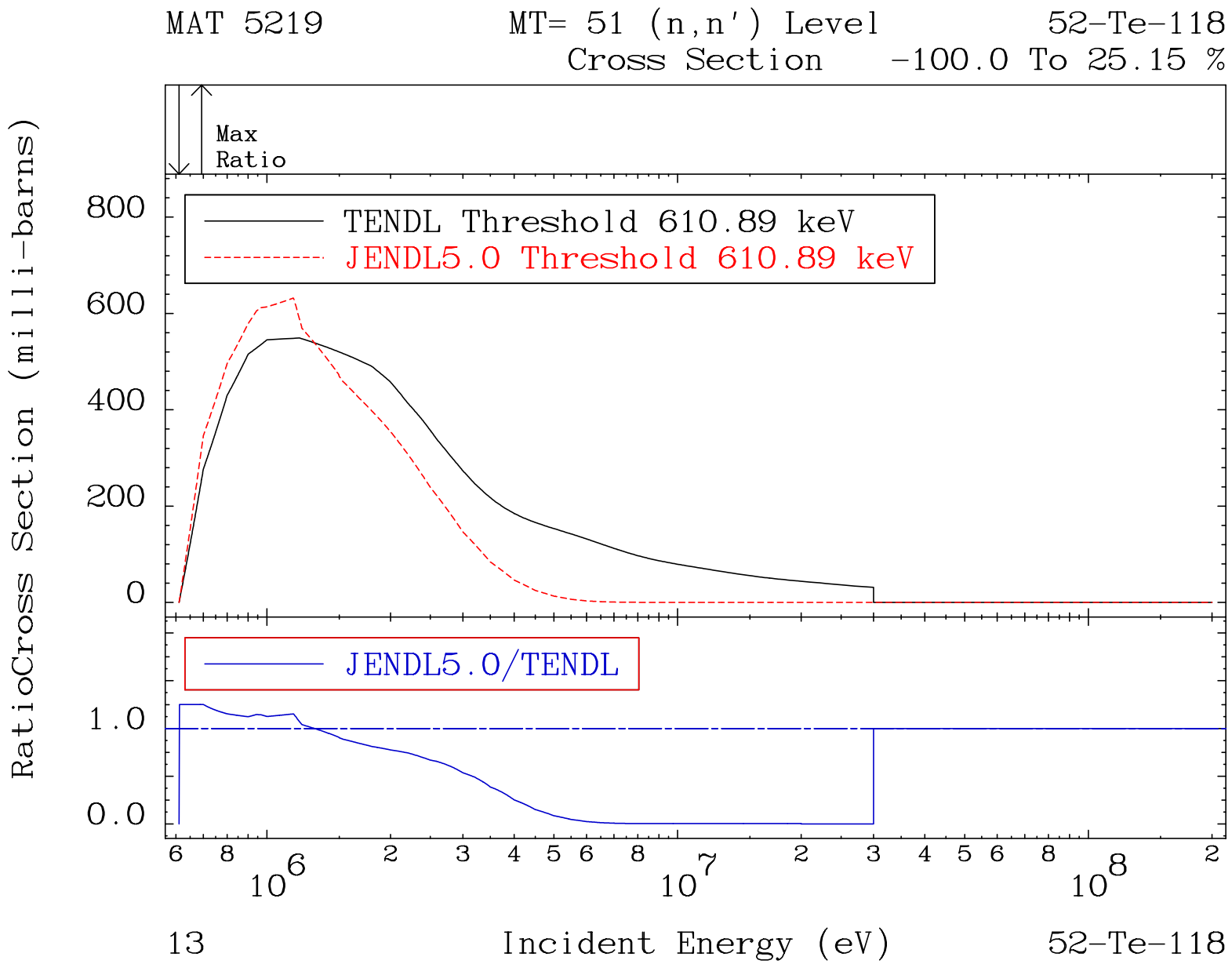

MAT 5219
(n,2n) α
52-Te-118
Cross Section
-100.0 To 54.50 %
Min Ratio
Max Ratio
TENDL Threshold 9.9432 MeV
JENDL5.0 Threshold 9.9491 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
52-Te-118

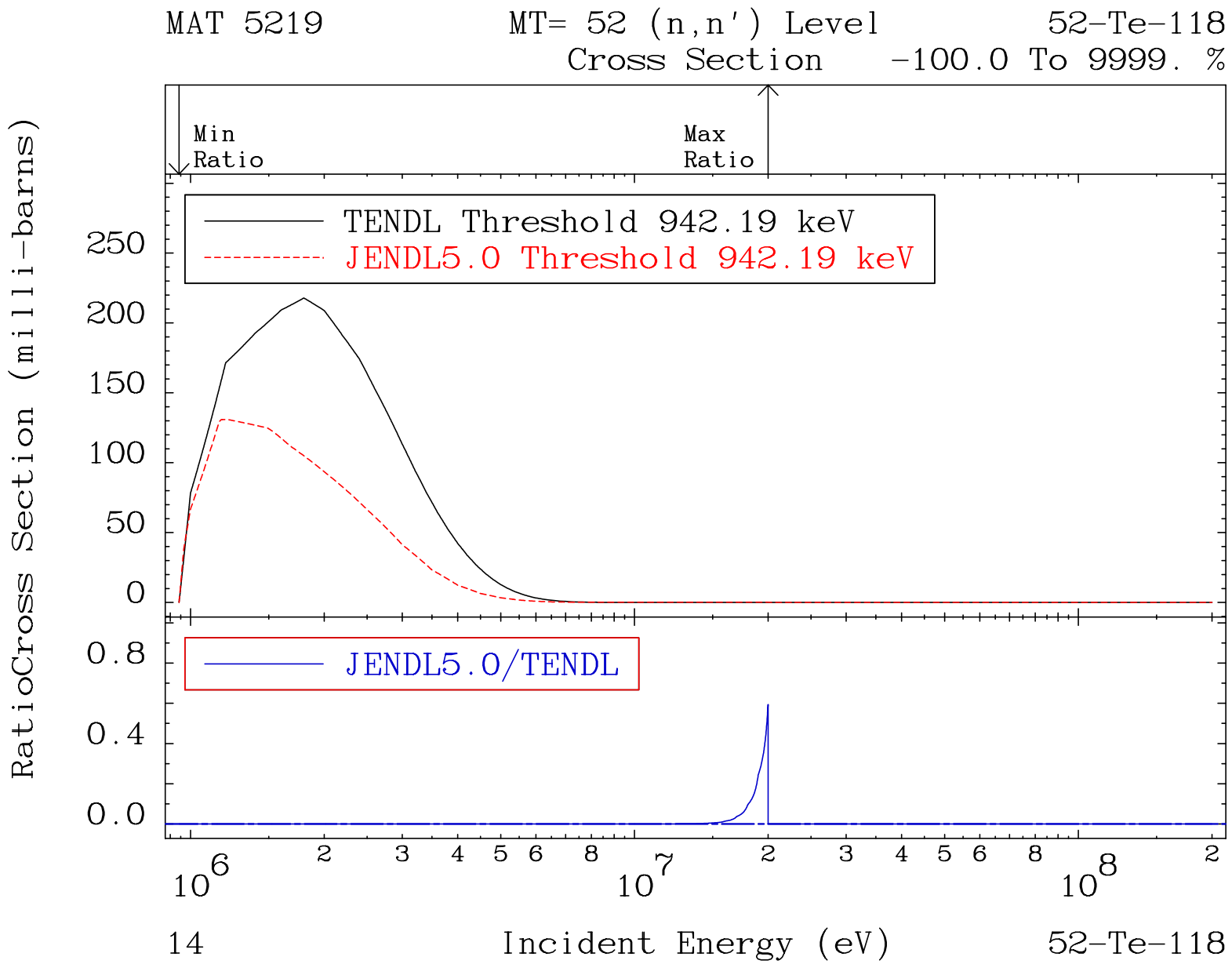

MAT 5219
(n,n') p
Cross Section
52-Te-118
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.3944 MeV
JENDL5.0 Threshold 6.4003 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
52-Te-118

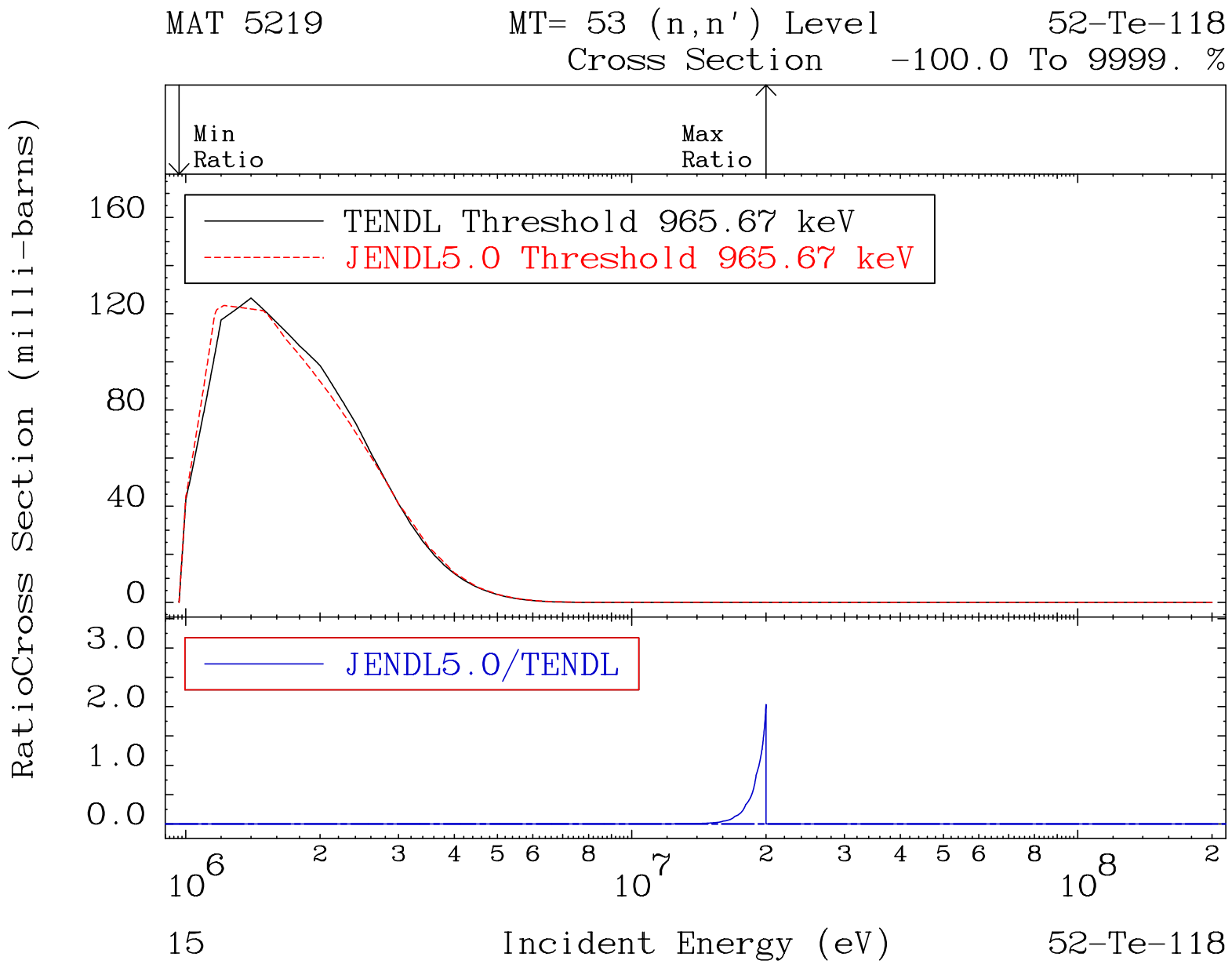

MAT 5219
(n,n') d
Cross Section
52-Te-118
-100.0 To 324.1 %
Max
Ratio
TENDL Threshold 14.124 MeV
JENDL5.0 Threshold 14.130 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
52-Te-118

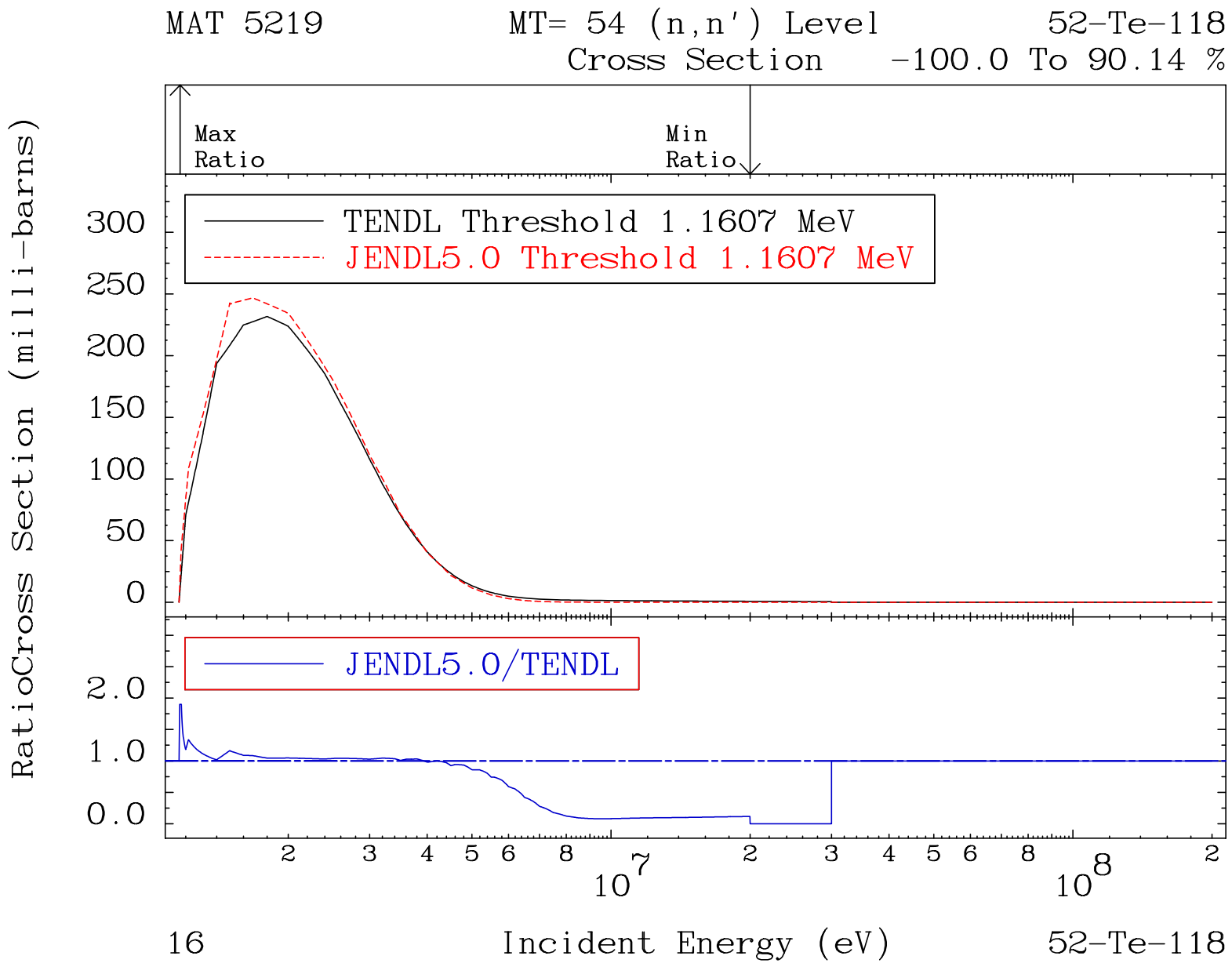

MAT 5219
(n,2n) p
Cross Section
52-Te-118
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.368 MeV
JENDL5.0 Threshold 16.374 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
52-Te-118

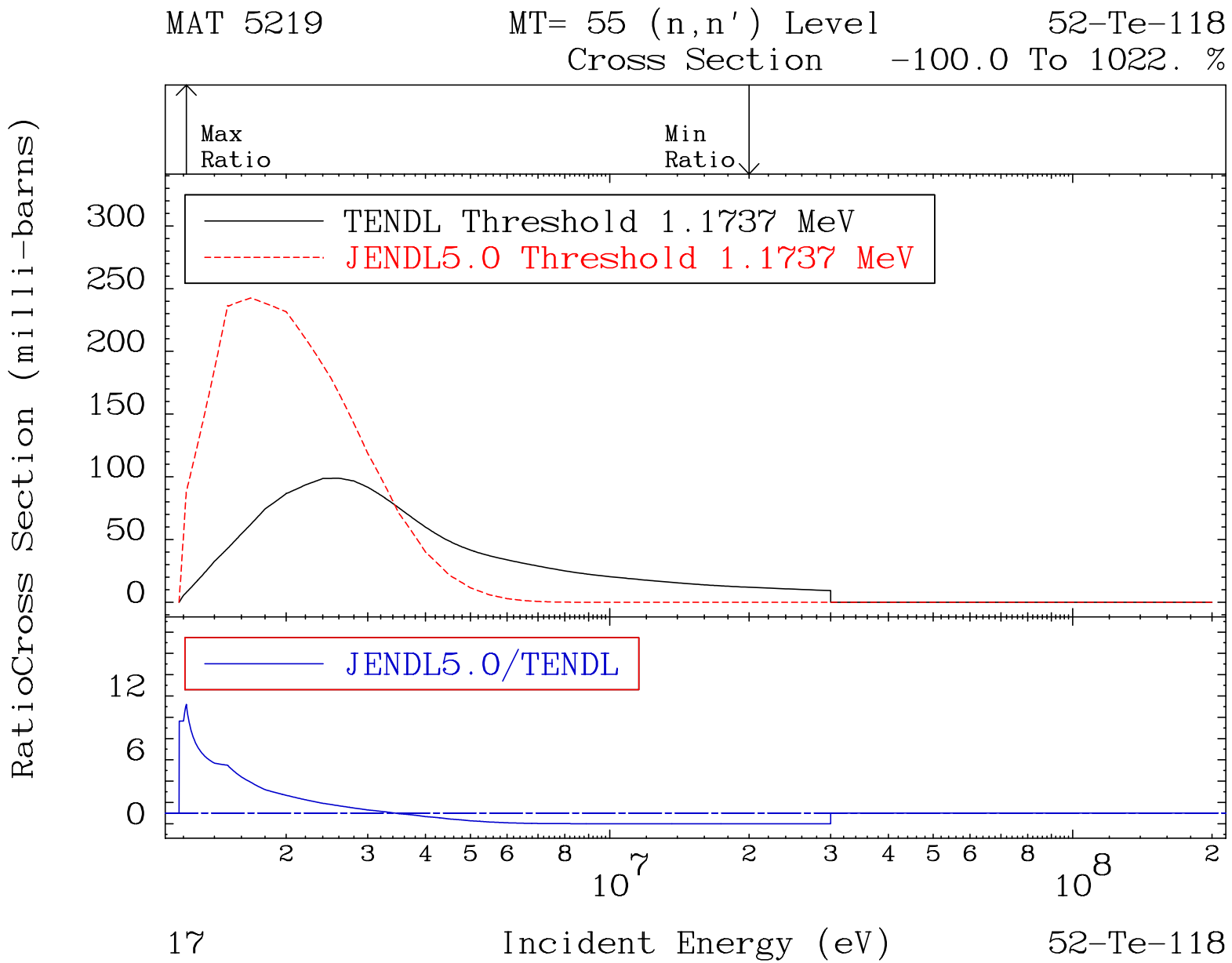

MAT 5219
(n,2n) p
Cross Section
52-Te-118
-100.0 To 172.8 %
Max
Ratio
TENDL Threshold 10.835 MeV
JENDL5.0 Threshold 10.841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
52-Te-118

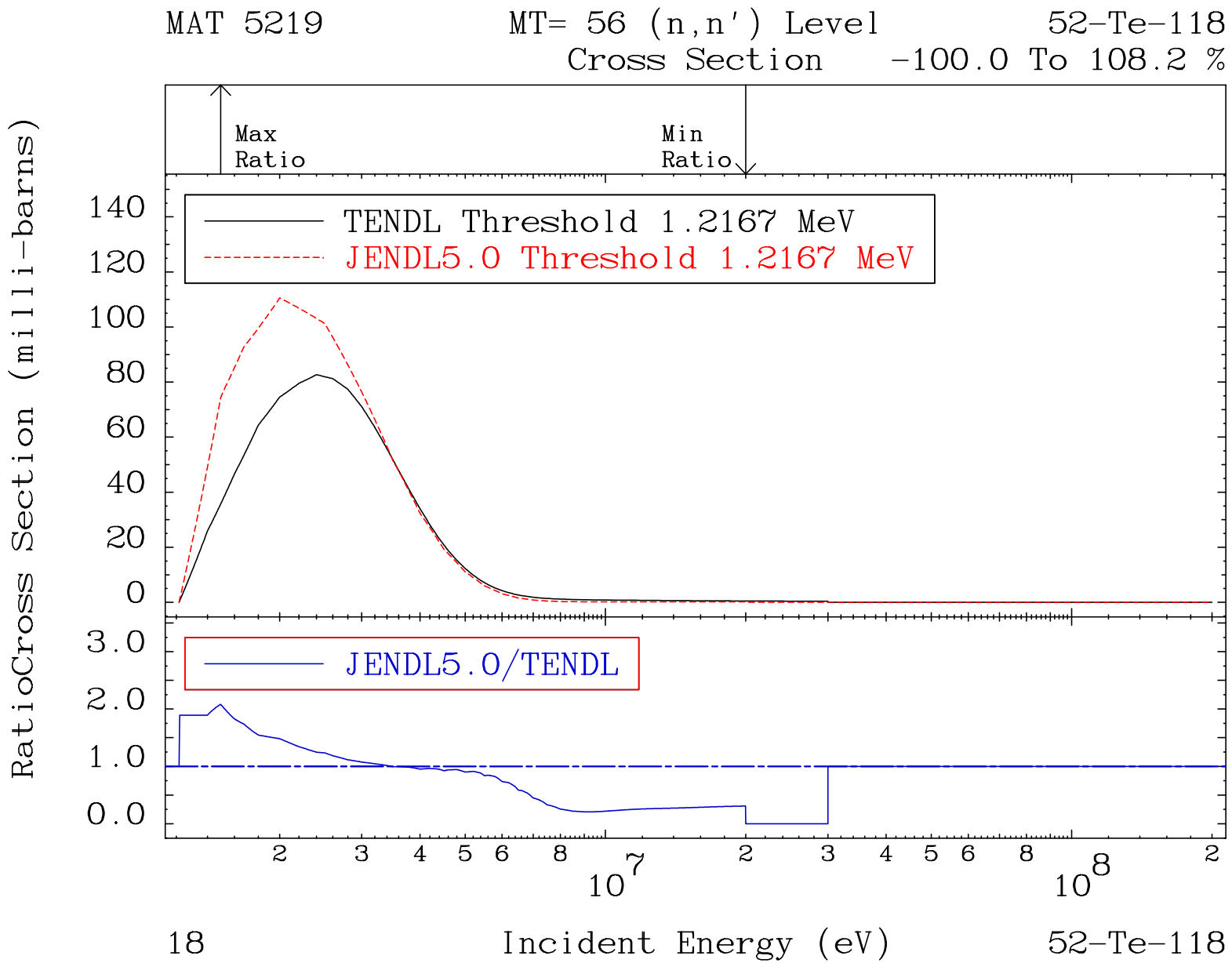

MAT 5219
MT= 51 (n,n') Level
52-Te-118
Cross Section
-100.0 To 25.15 %
Max
Ratio
TENDL Threshold 610.89 keV
JENDL5.0 Threshold 610.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
52-Te-118

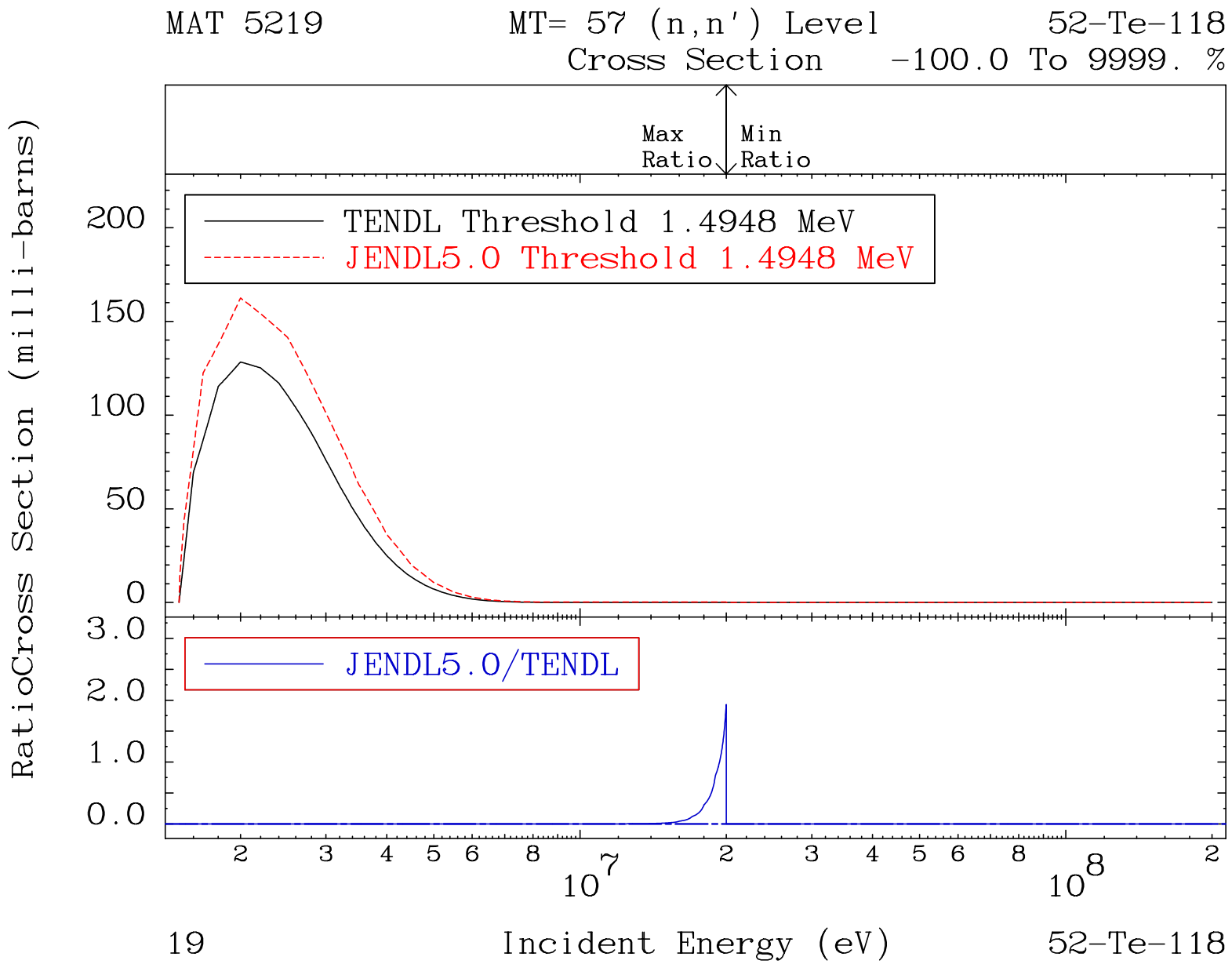

MAT 5219
MT= 52 (n,n') Level
52-Te-118
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 942.19 keV
JENDL5.0 Threshold 942.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
14
Incident Energy (eV)
52-Te-118

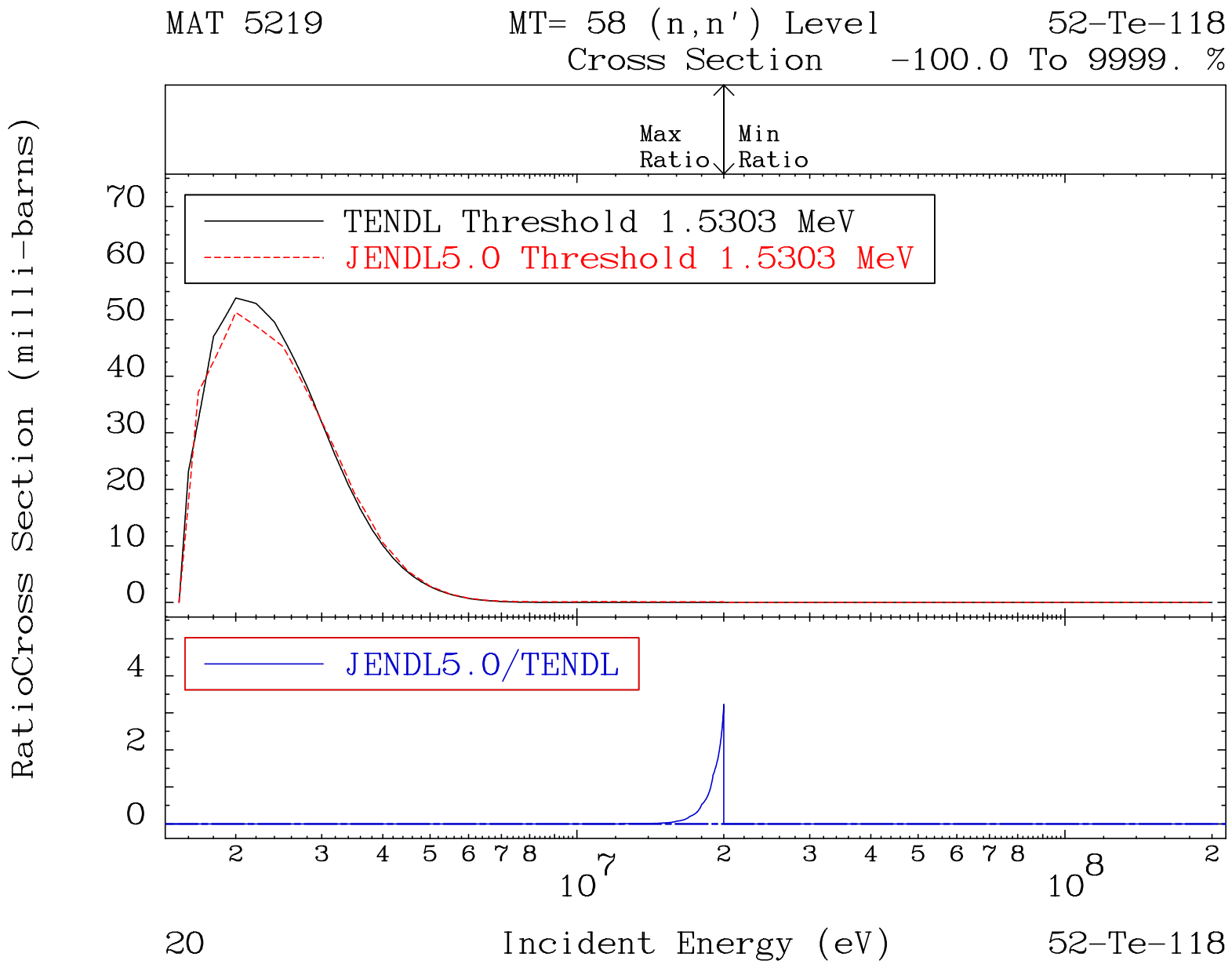

MAT 5219
MT= 53 (n,n') Level
52-Te-118
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 965.67 keV
JENDL5.0 Threshold 965.67 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
3.0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
15
52-Te-118

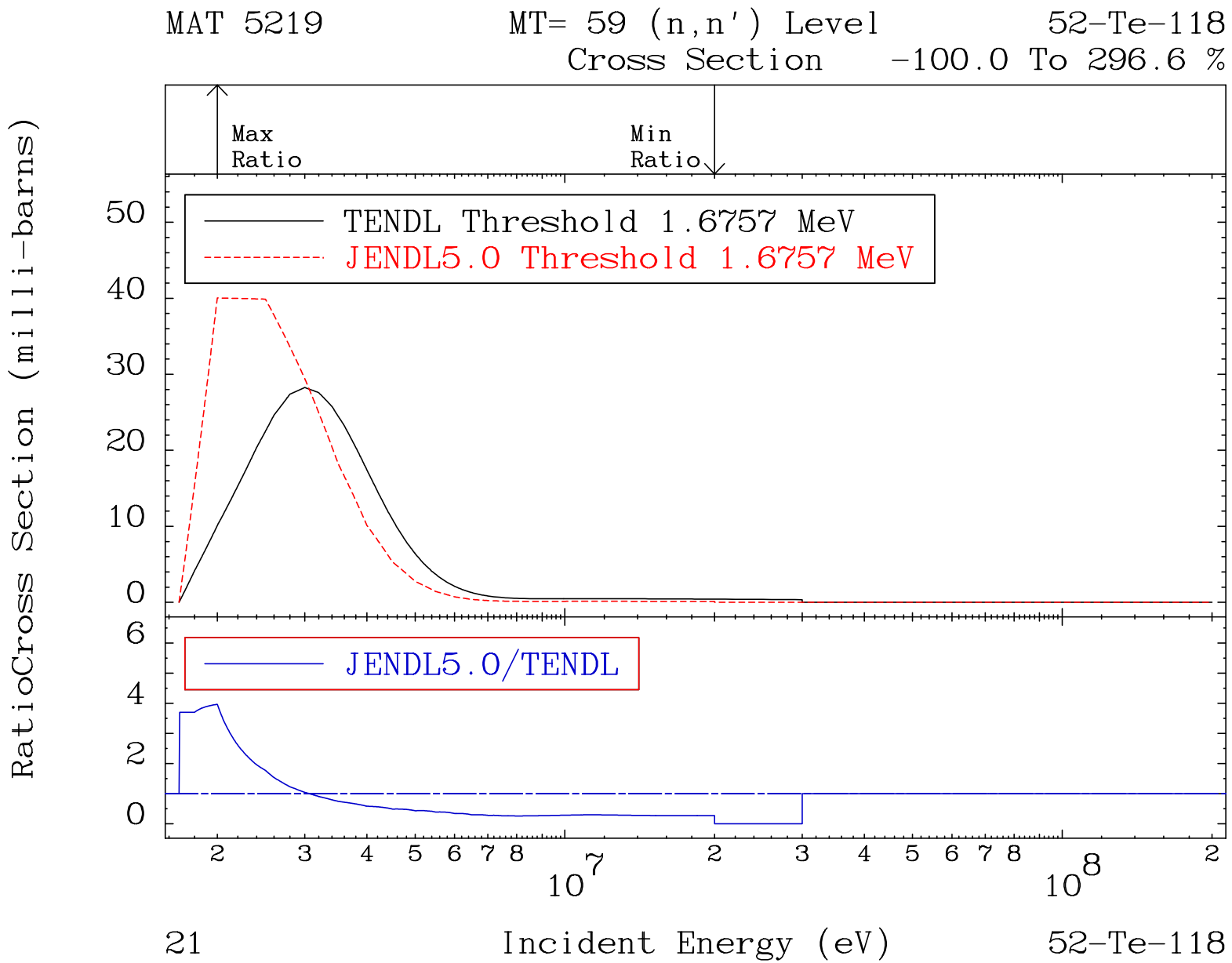

MAT 5219
MT= 54 (n,n') Level
52-Te-118
Cross Section
-100.0 To 90.14 %
Max Ratio
Min Ratio
TENDL Threshold 1.1607 MeV
JENDL5.0 Threshold 1.1607 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
16
Incident Energy (eV)
52-Te-118

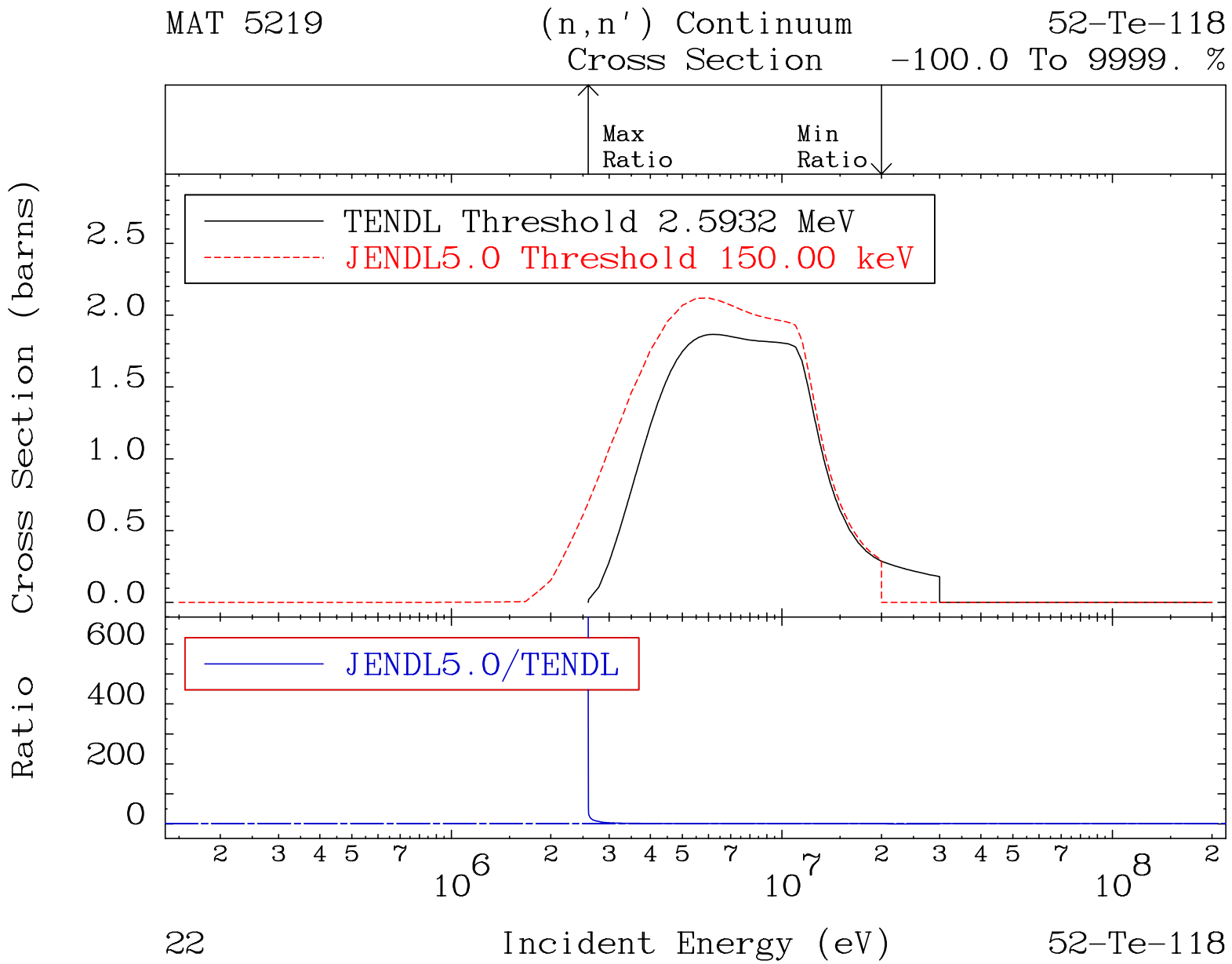

MAT 5219
MT= 55 (n,n') Level
52-Te-118
Cross Section -100.0 To 1022. %
Max Ratio
Min Ratio
TENDL Threshold 1.1737 MeV
JENDL5.0 Threshold 1.1737 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
6
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
52-Te-118

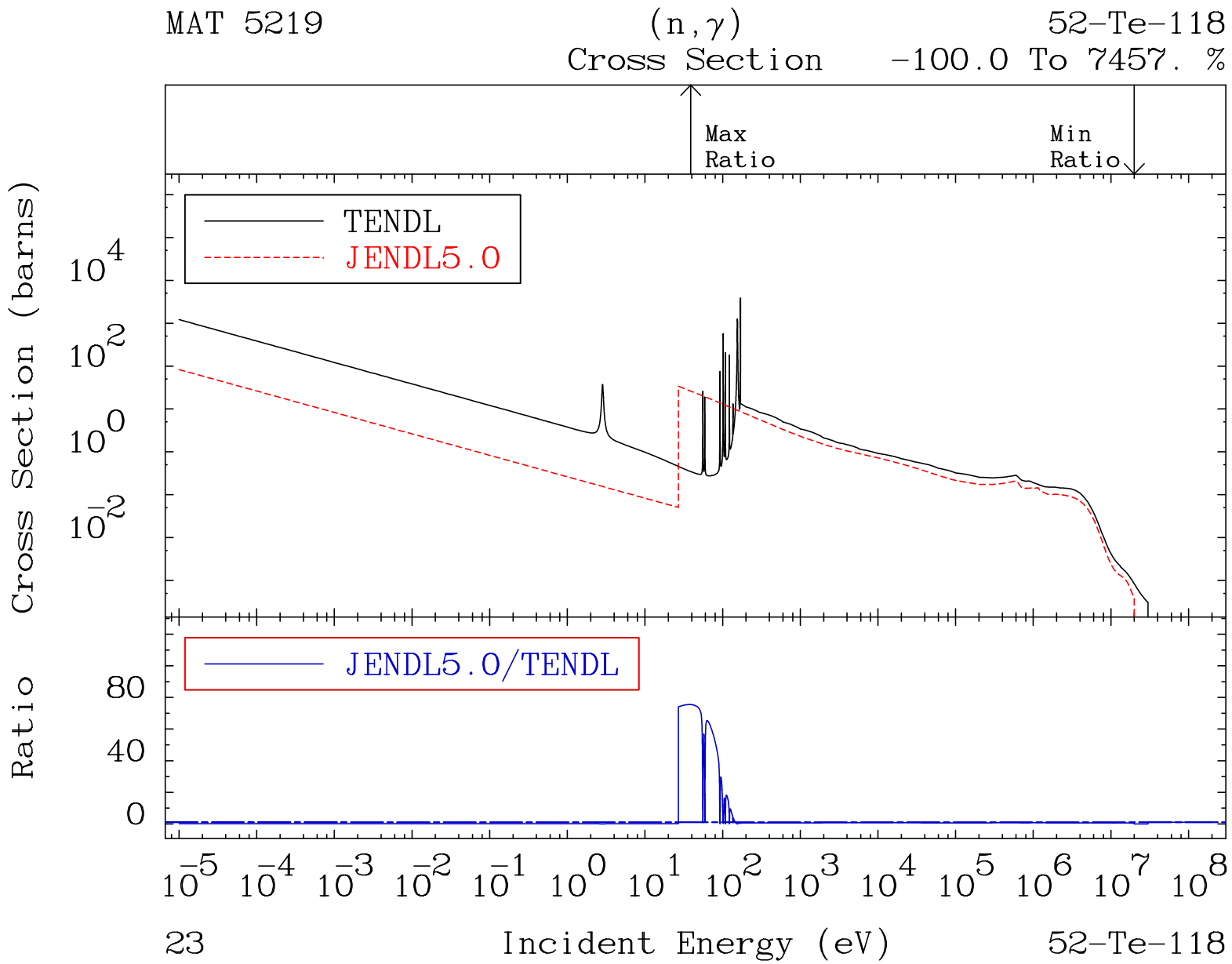

MAT 5219
MT= 56 (n,n') Level
52-Te-118
Cross Section
-100.0 To 108.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.2167 MeV
JENDL5.0 Threshold 1.2167 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
18
Incident Energy (eV)
52-Te-118

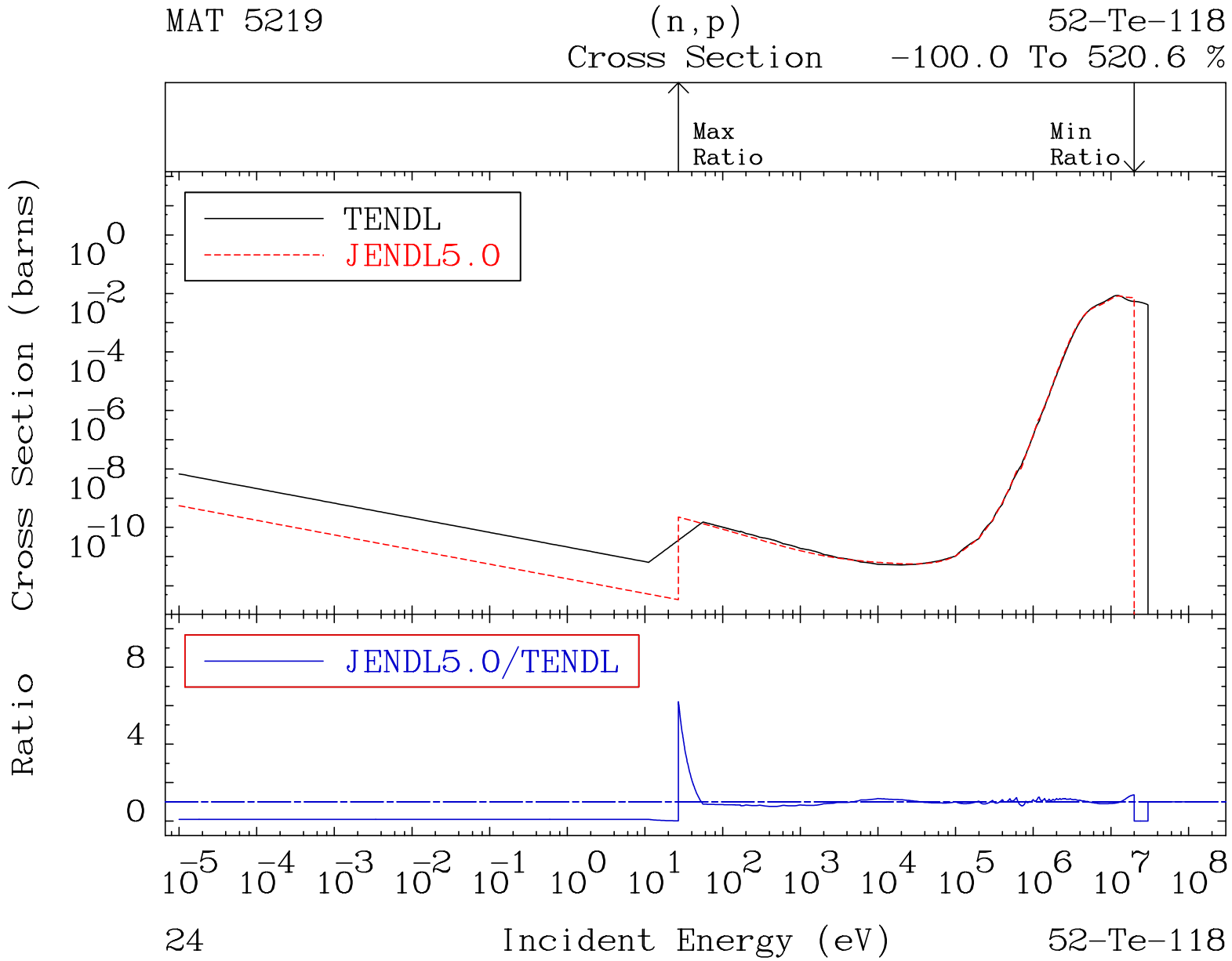

MAT 5219
MT= 57 (n,n') Level
52-Te-118
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4948 MeV
JENDL5.0 Threshold 1.4948 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
52-Te-118

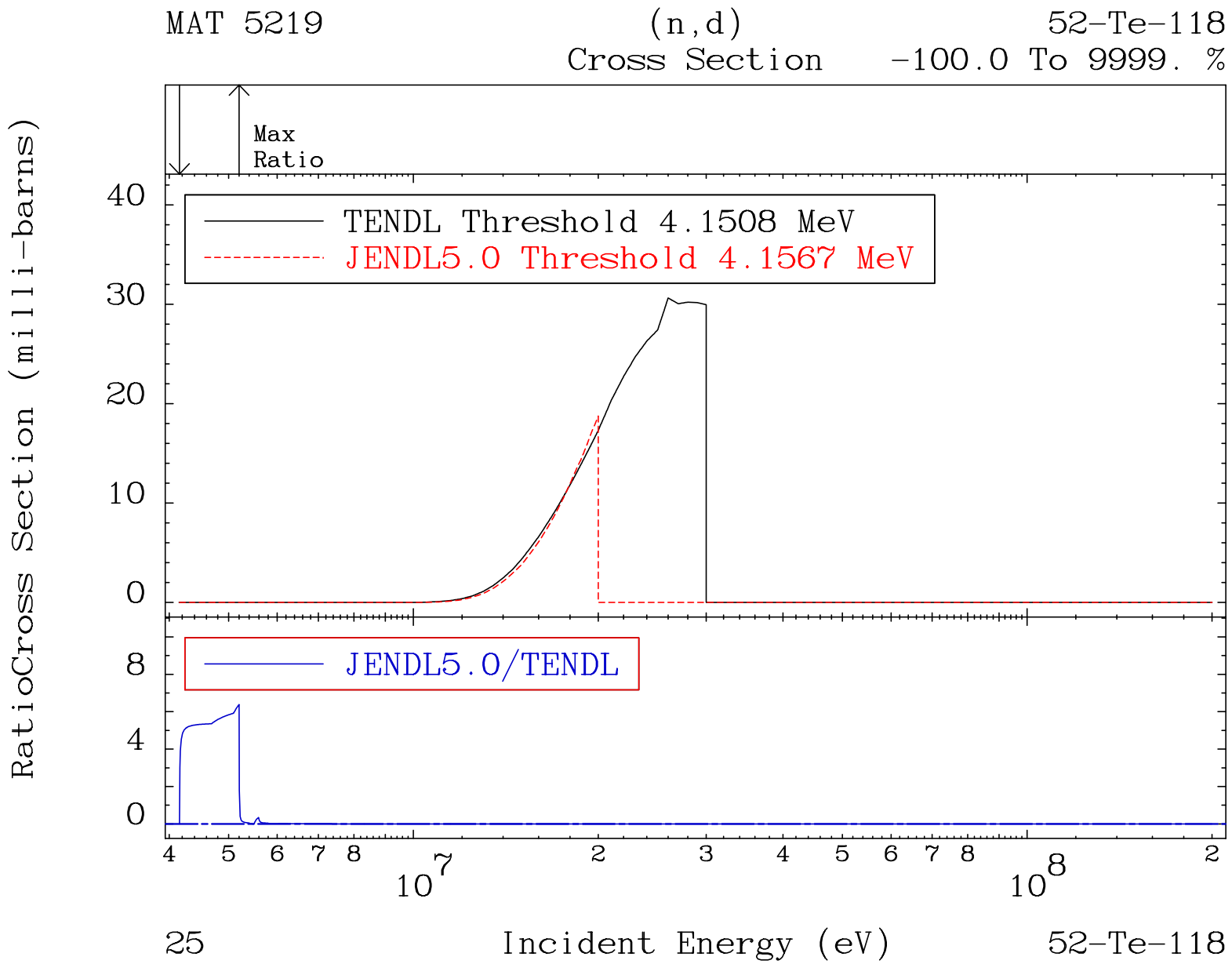

MAT 5219
MT= 58 (n,n') Level
52-Te-118
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5303 MeV
JENDL5.0 Threshold 1.5303 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
52-Te-118

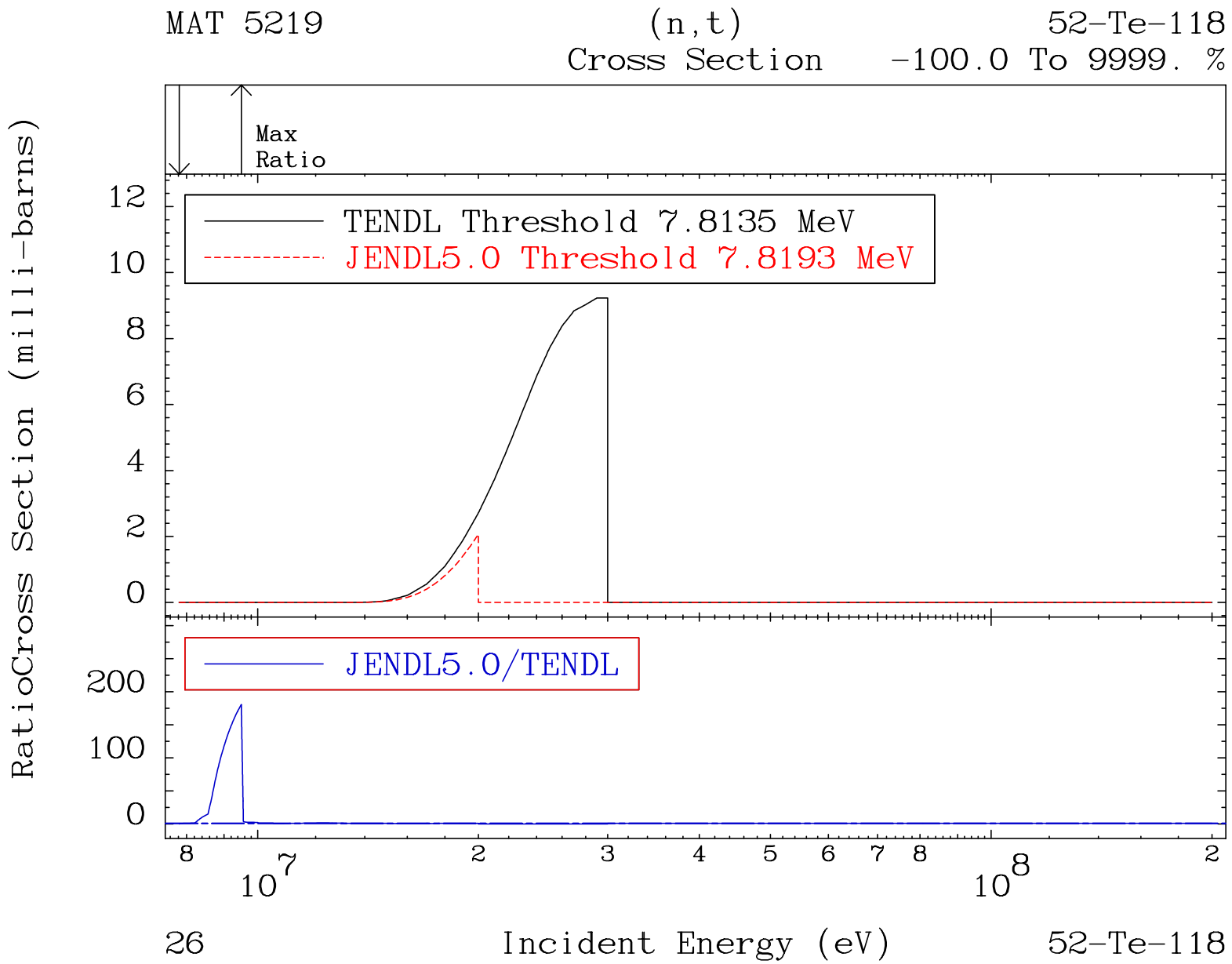

MAT 5219
MT= 59 (n,n') Level
52-Te-118
Cross Section
-100.0 To 296.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.6757 MeV
JENDL5.0 Threshold 1.6757 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
52-Te-118

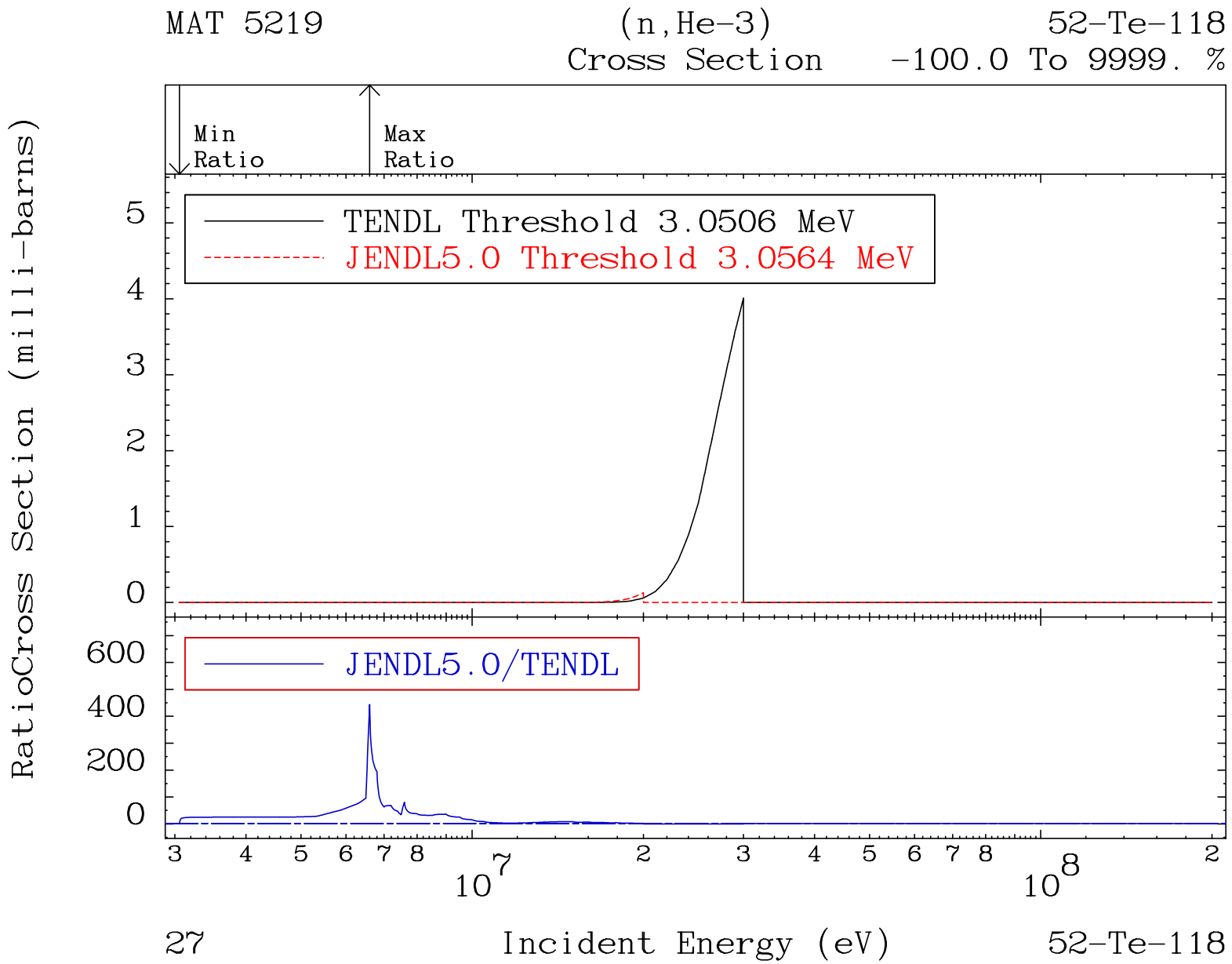

MAT 5219
(n,n') Continuum
Cross Section
52-Te-118
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5932 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
600
400
200
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
22
Incident Energy (eV)
52-Te-118

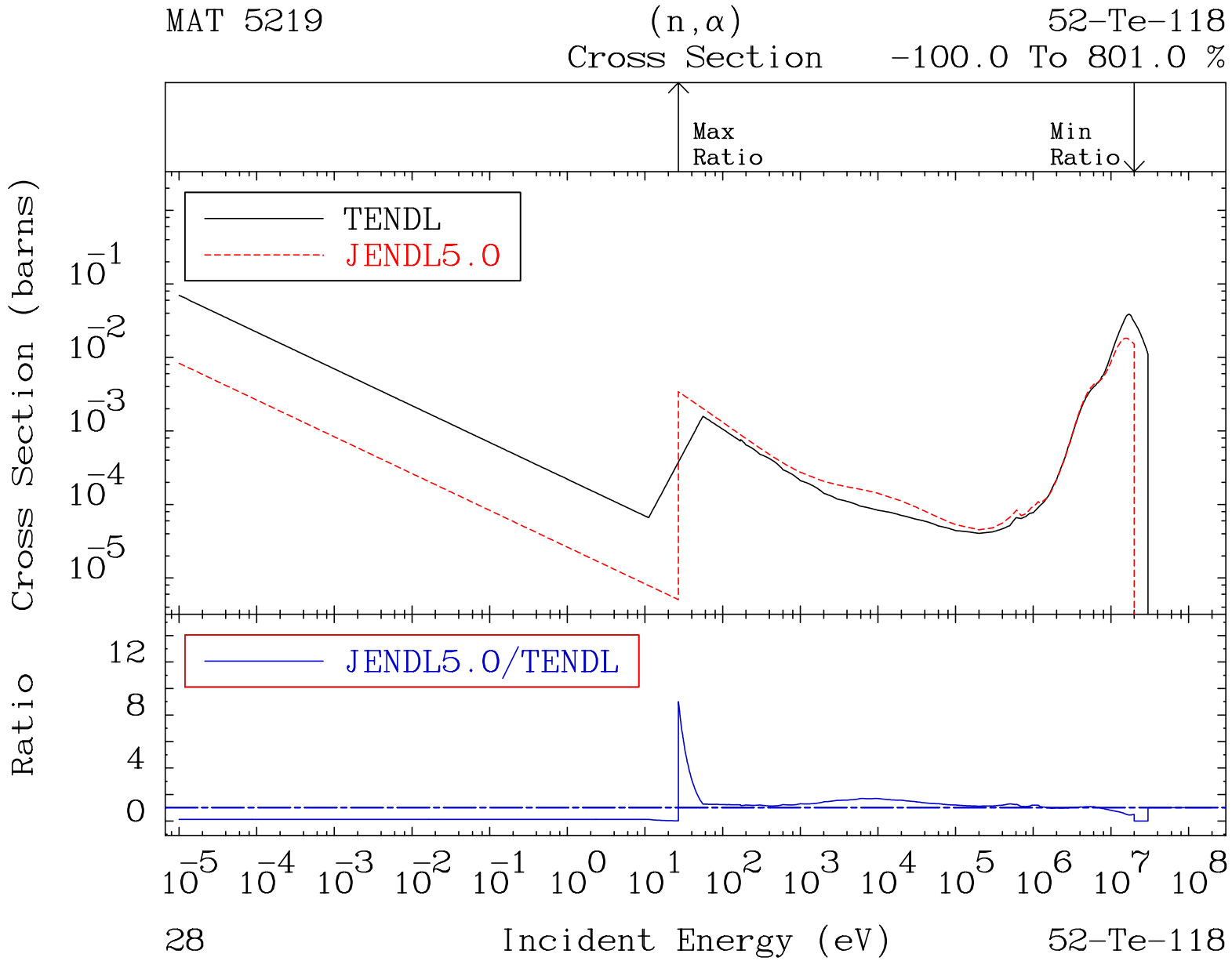

MAT 5219
(n,γ)
Cross Section
52-Te-118
-100.0 To 7457. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
80
40
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
23
Incident Energy (eV)
52-Te-118

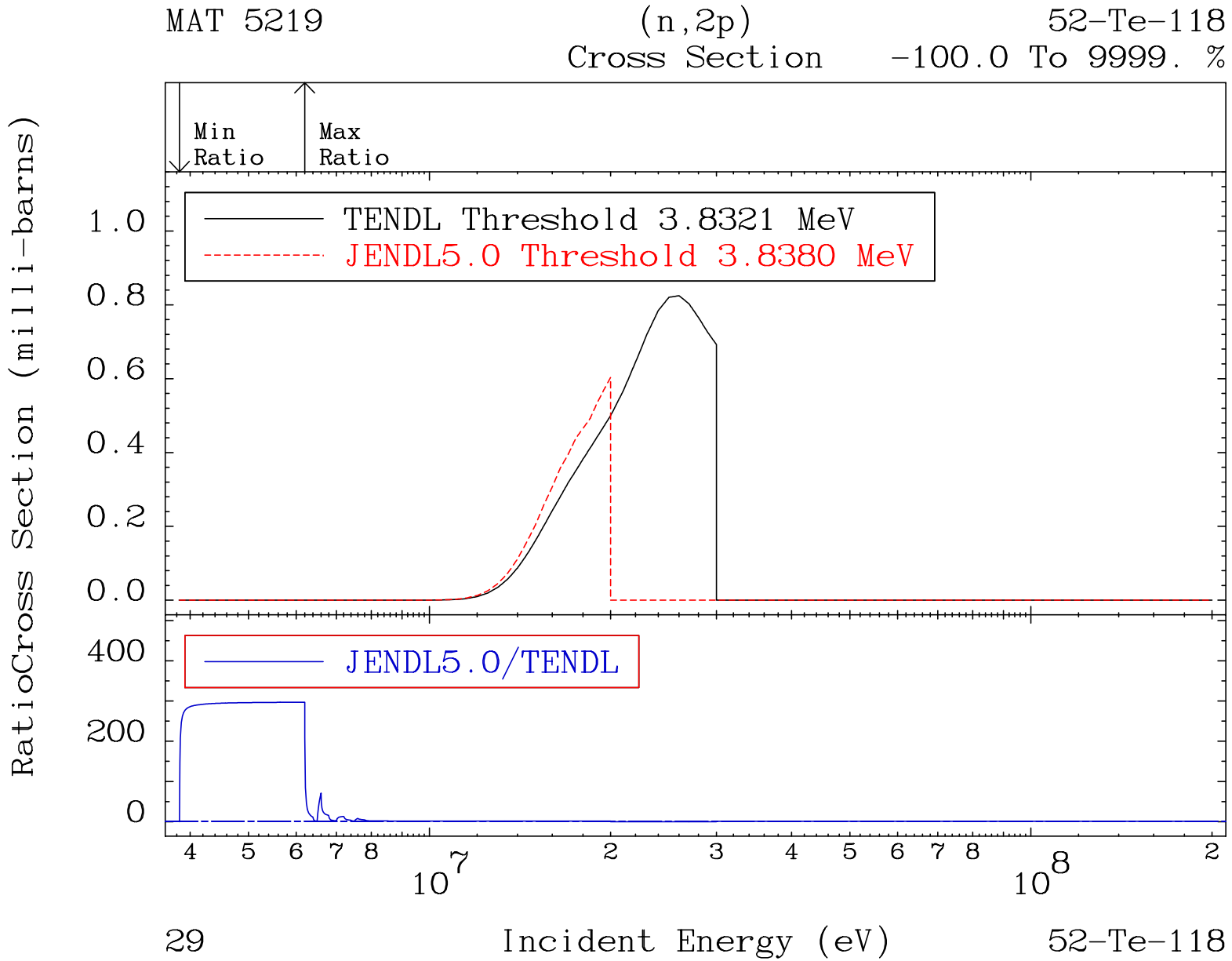

MAT 5219
(n,p)
Cross Section
52-Te-118
-100.0 To 520.6 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
24
52-Te-118

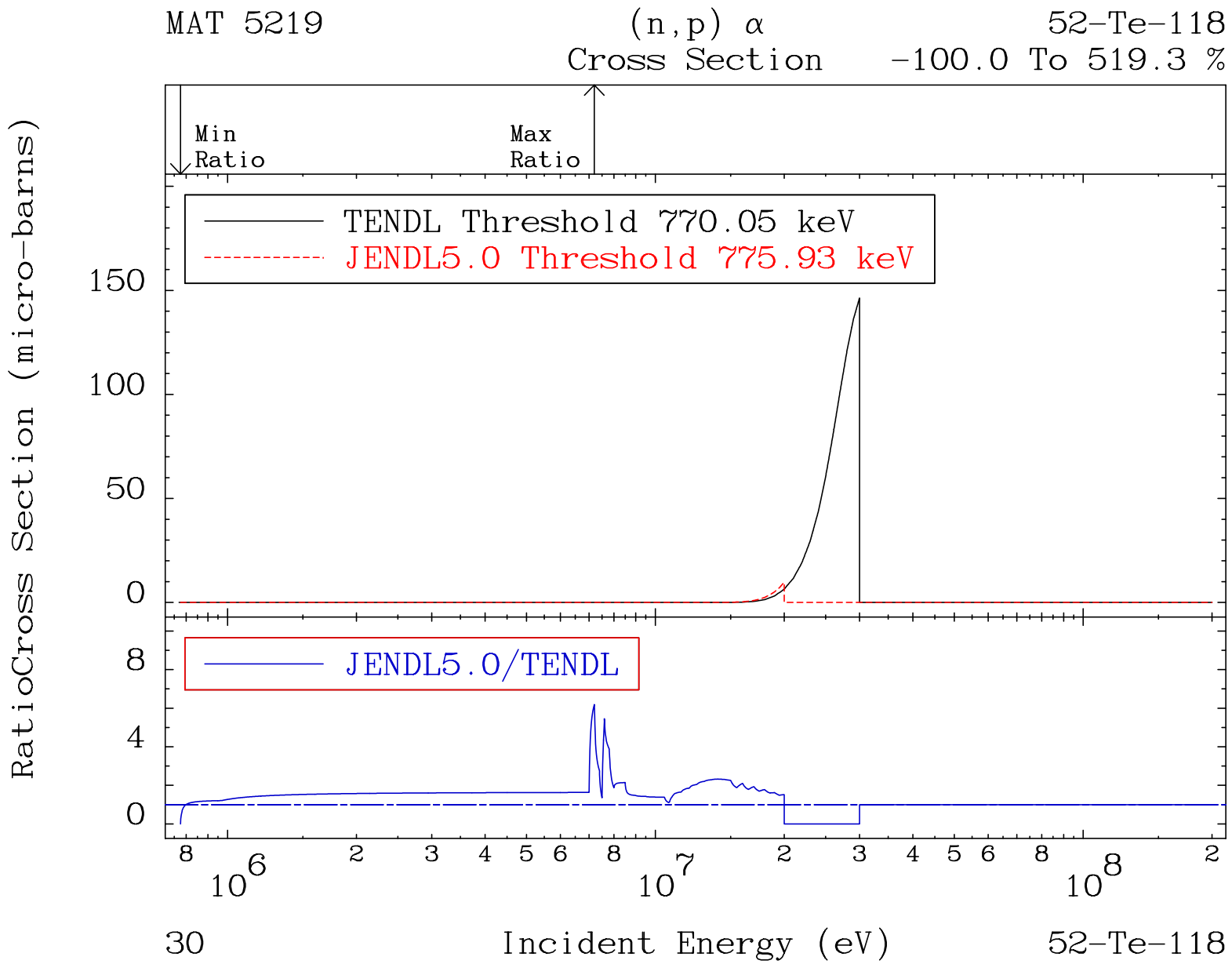

MAT 5219
(n,d)
52-Te-118
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.1508 MeV
JENDL5.0 Threshold 4.1567 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
52-Te-118

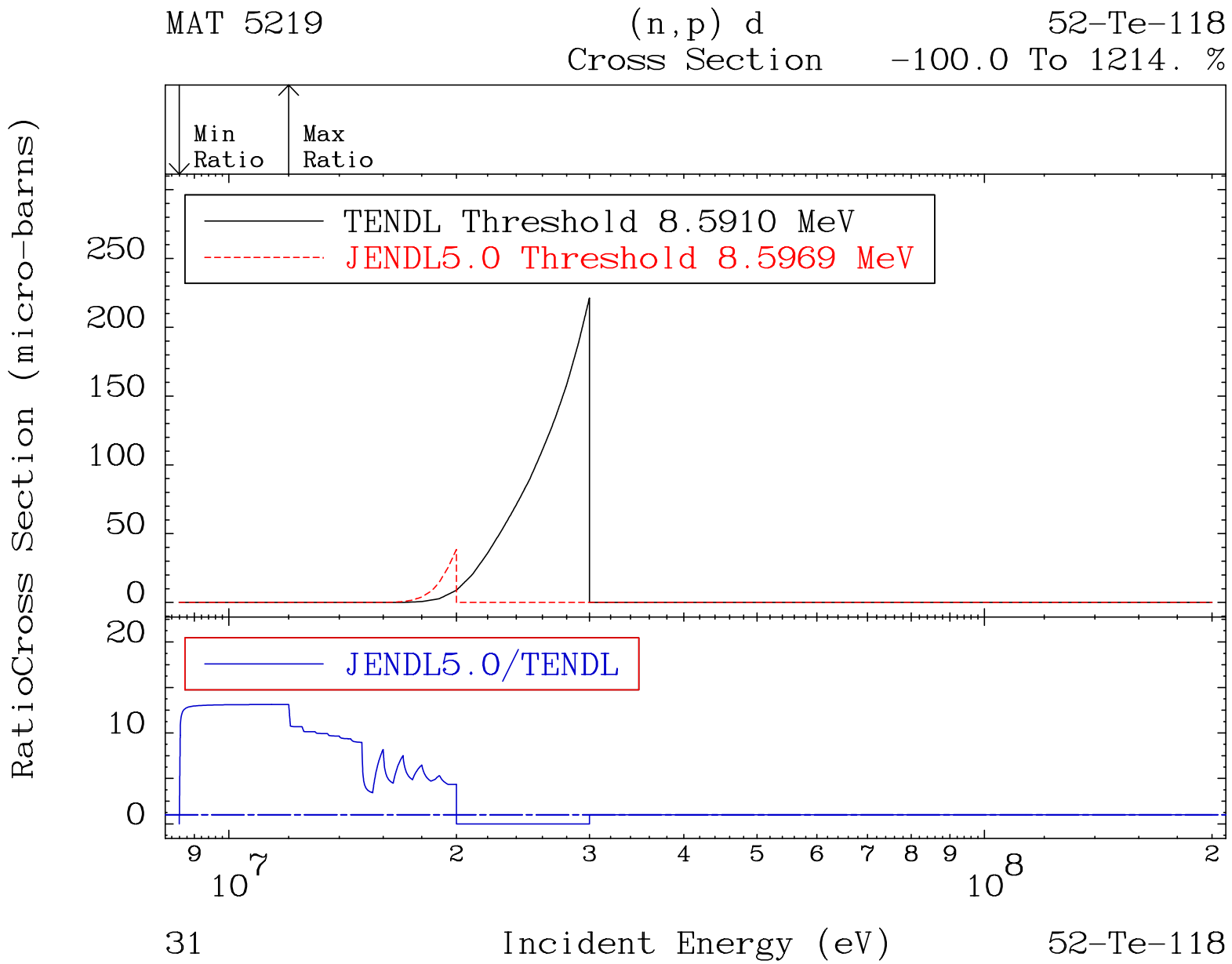

MAT 5219
(n,t)
Cross Section
52-Te-118
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8135 MeV
JENDL5.0 Threshold 7.8193 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
200
100
0
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
52-Te-118

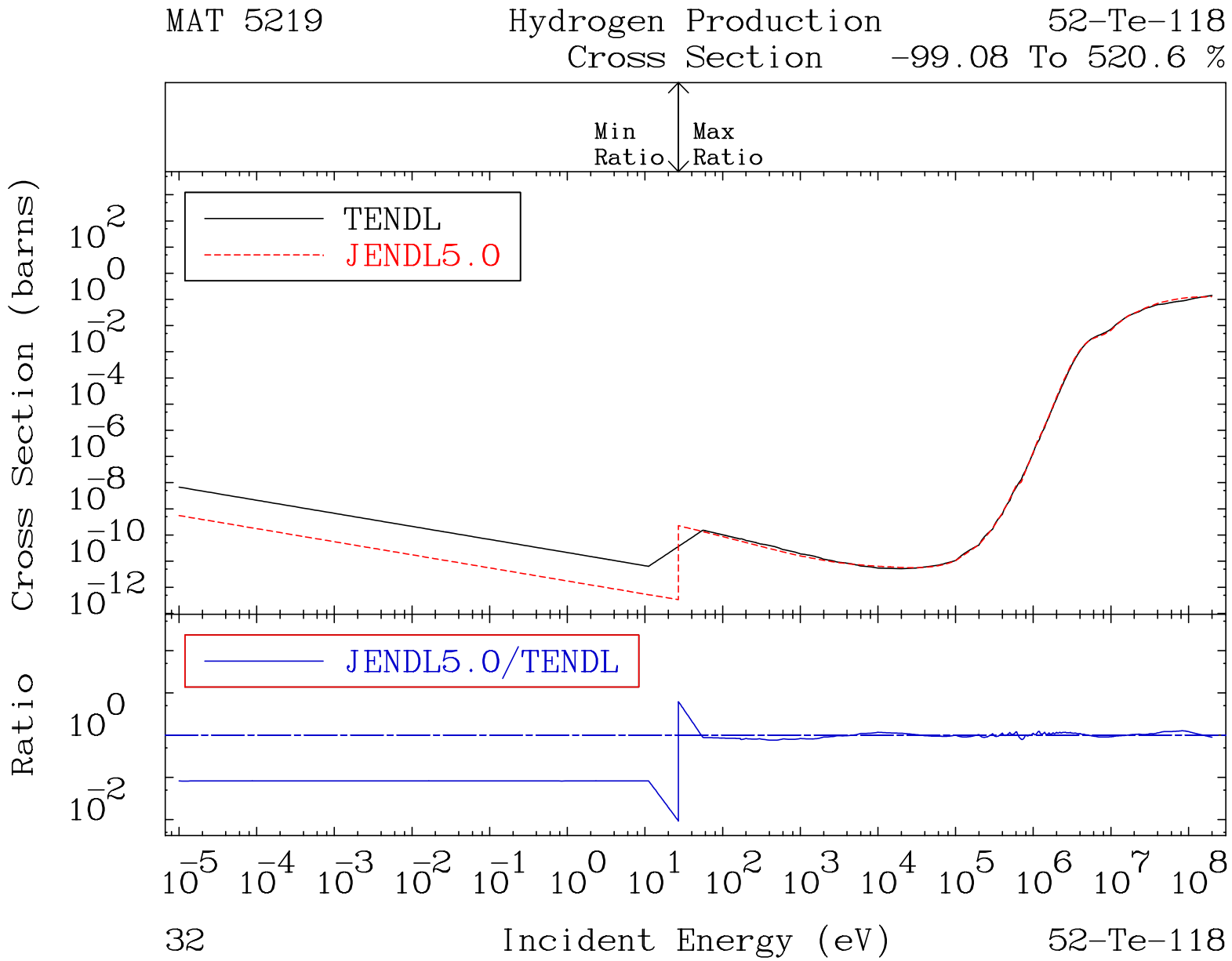

MAT 5219
(n,He-3)
Cross Section
52-Te-118
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.0506 MeV
JENDL5.0 Threshold 3.0564 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0
200
400
600
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
52-Te-118

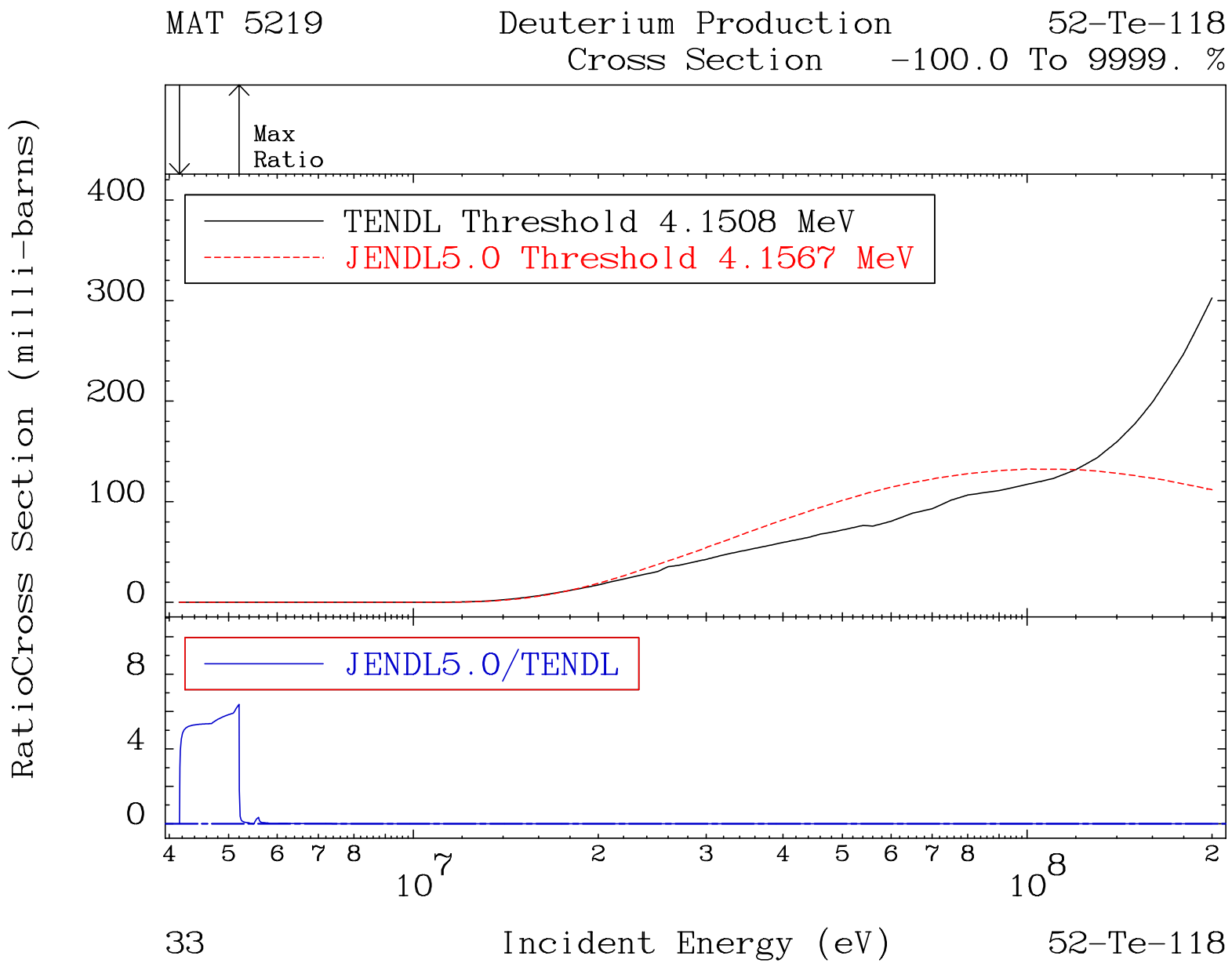

MAT 5219
(n,α)
Cross Section
52-Te-118
-100.0 To 801.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
28
52-Te-118

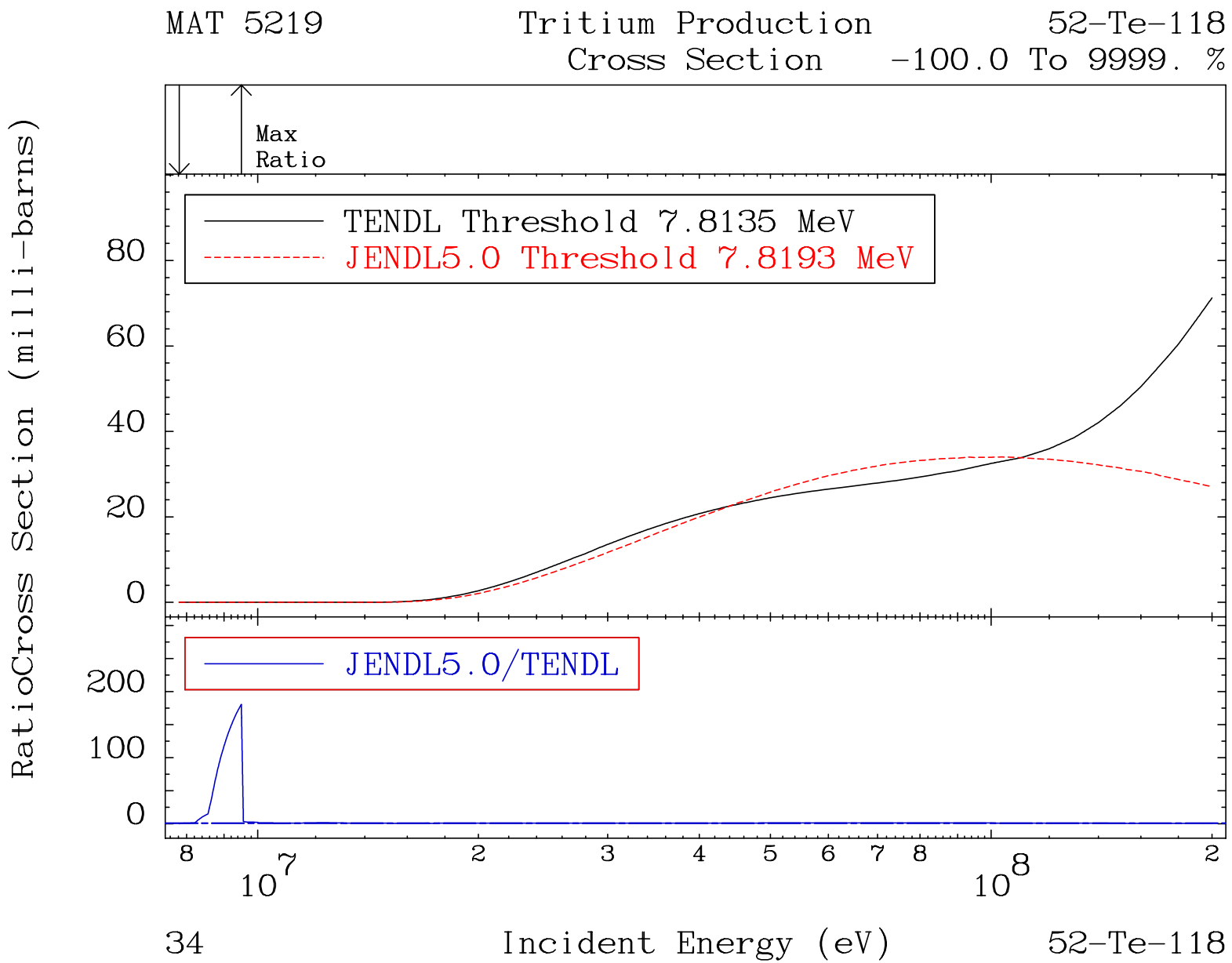

MAT 5219
(n,2p)
52-Te-118
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8321 MeV
JENDL5.0 Threshold 3.8380 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
52-Te-118

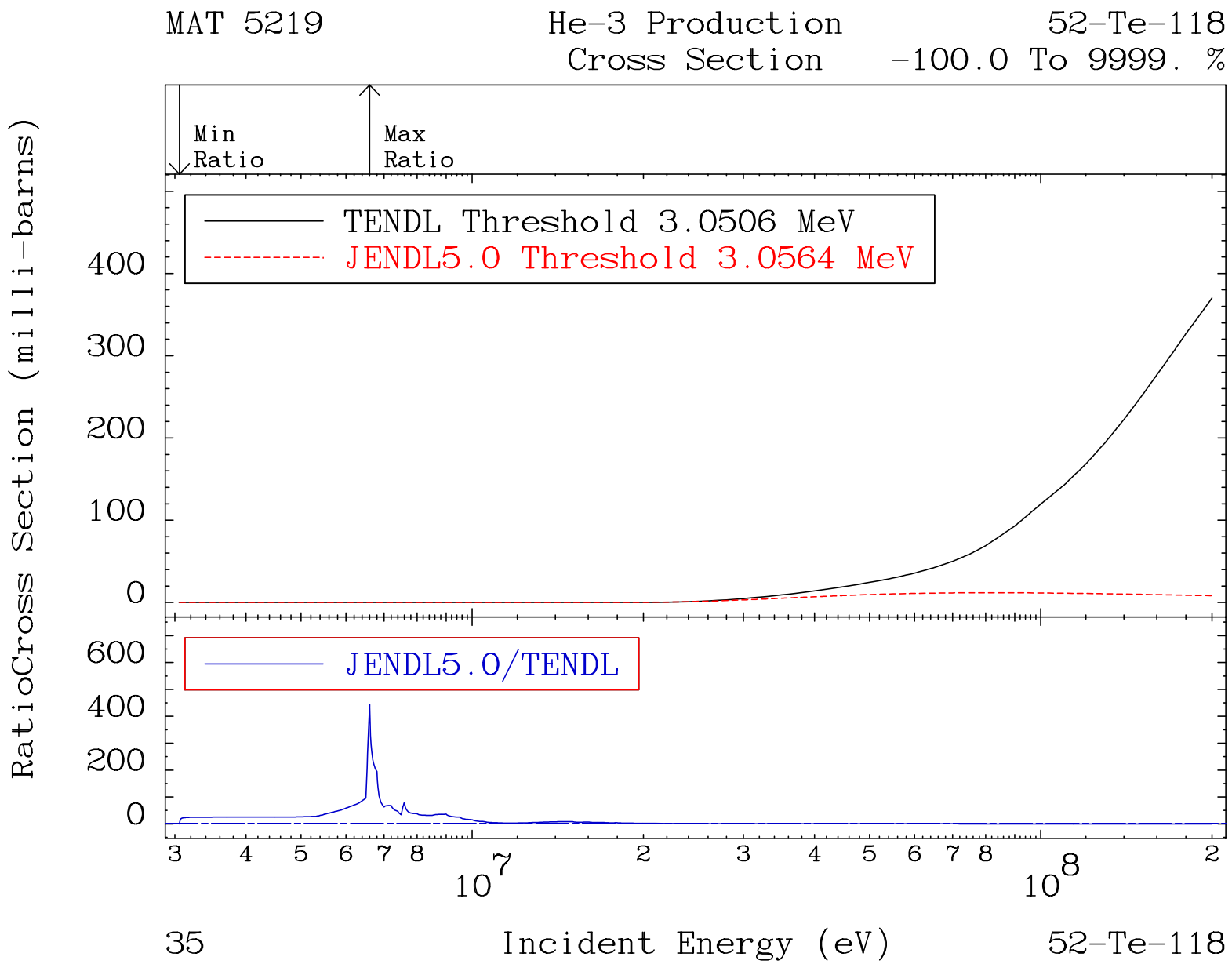

MAT 5219
(n,p) α
Cross Section
52-Te-118
-100.0 To 519.3 %
Min Ratio
Max Ratio
TENDL Threshold 770.05 keV
JENDL5.0 Threshold 775.93 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
150
100
50
0
8
4
0
8
2
3
4
5
6
8
10^6
10^7
10^8
30
Incident Energy (eV)
52-Te-118

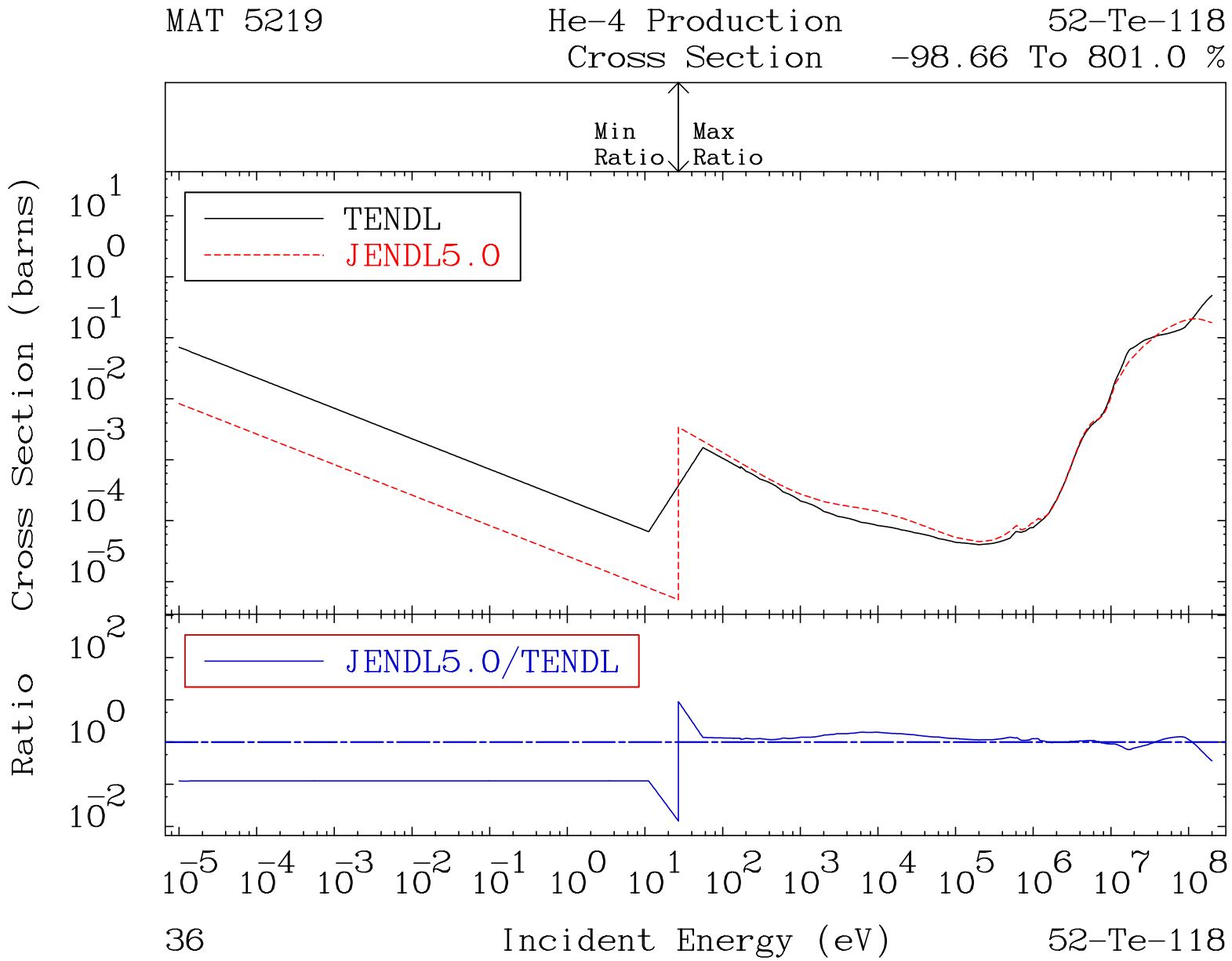

MAT 5219
(n,p) d
52-Te-118
Cross Section
-100.0 To 1214. %
Min Ratio
Max Ratio
TENDL Threshold 8.5910 MeV
JENDL5.0 Threshold 8.5969 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
52-Te-118

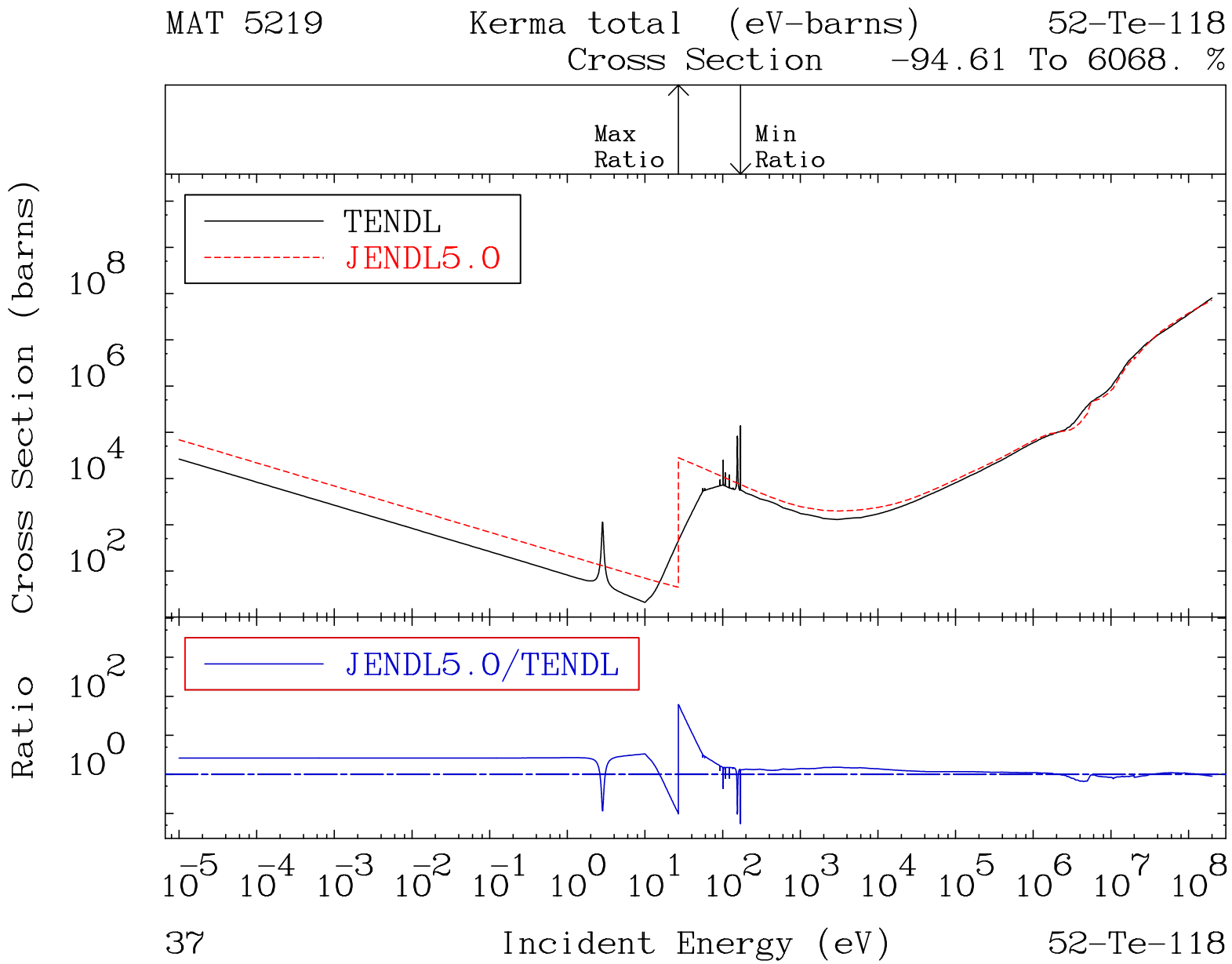

MAT 5219
Hydrogen Production
52-Te-118
Cross Section
-99.08 To 520.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
32
52-Te-118

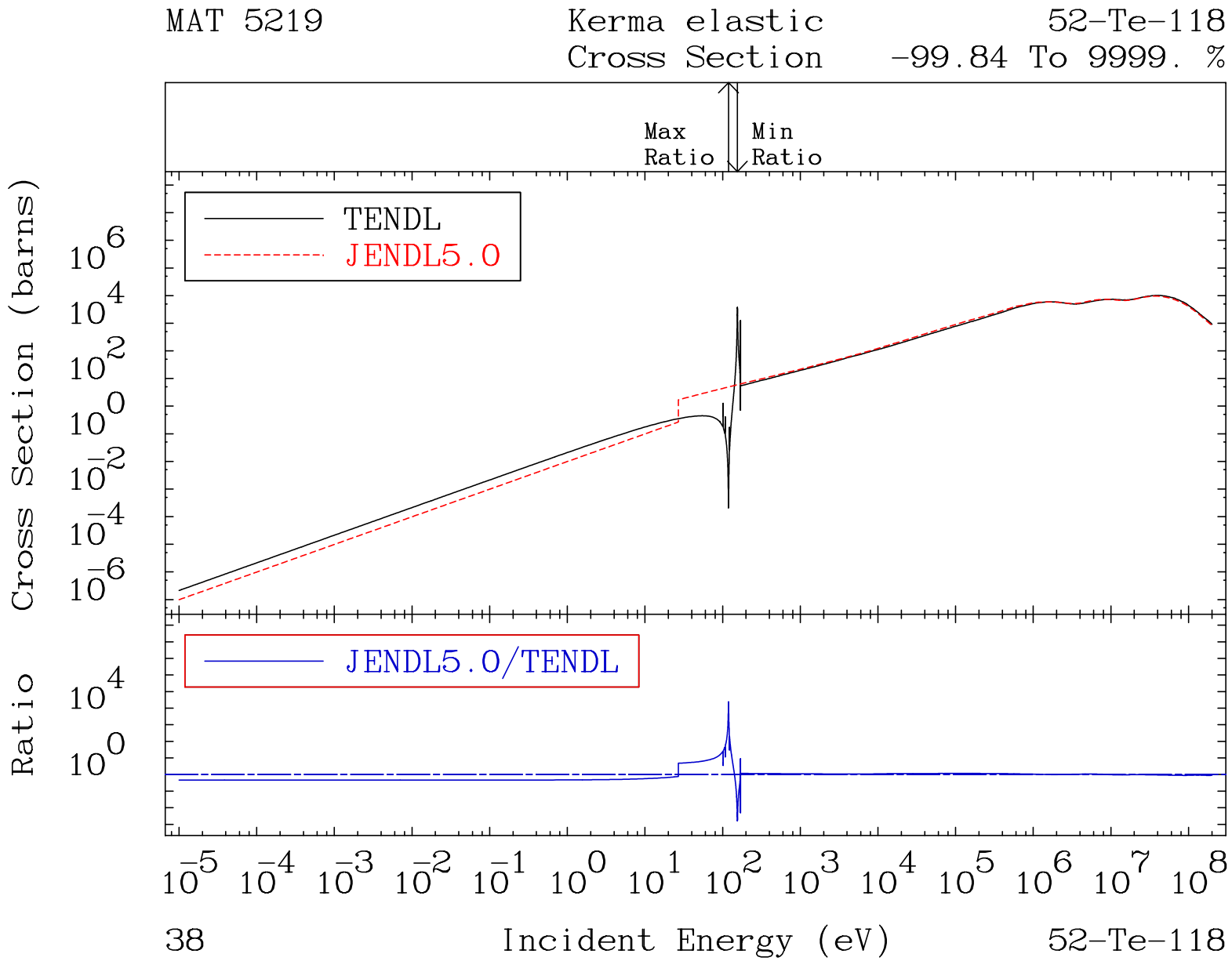

MAT 5219
Deuterium Production
52-Te-118
Cross Section
-100.0 To 9999. %
Max
Ratio
400
300
200
100
0
TENDL Threshold 4.1508 MeV
JENDL5.0 Threshold 4.1567 MeV
8
4
0
JENDL5.0/TENDL
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
33
Incident Energy (eV)
52-Te-118

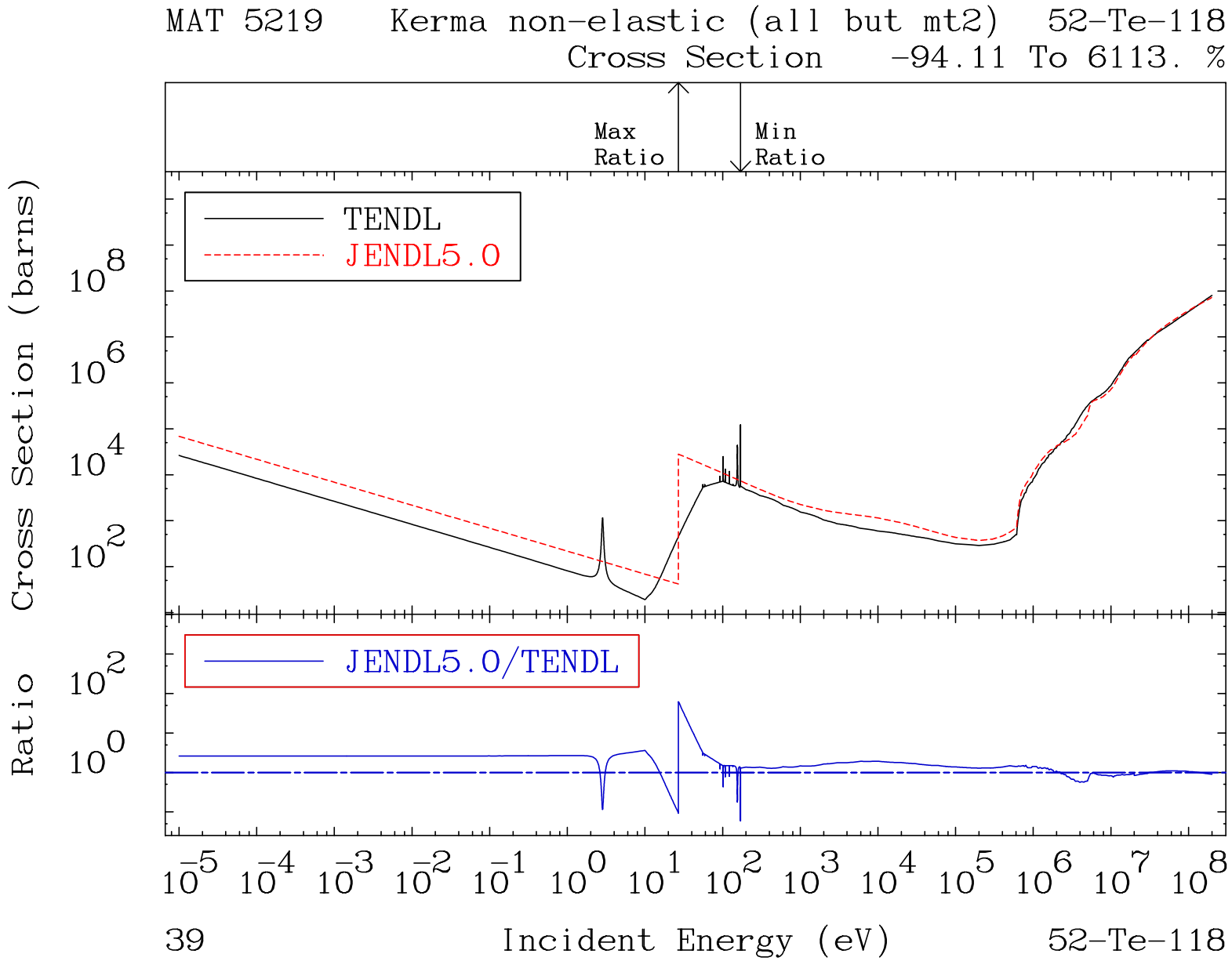

MAT 5219
Tritium Production
52-Te-118
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8135 MeV
JENDL5.0 Threshold 7.8193 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
100
0
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
52-Te-118

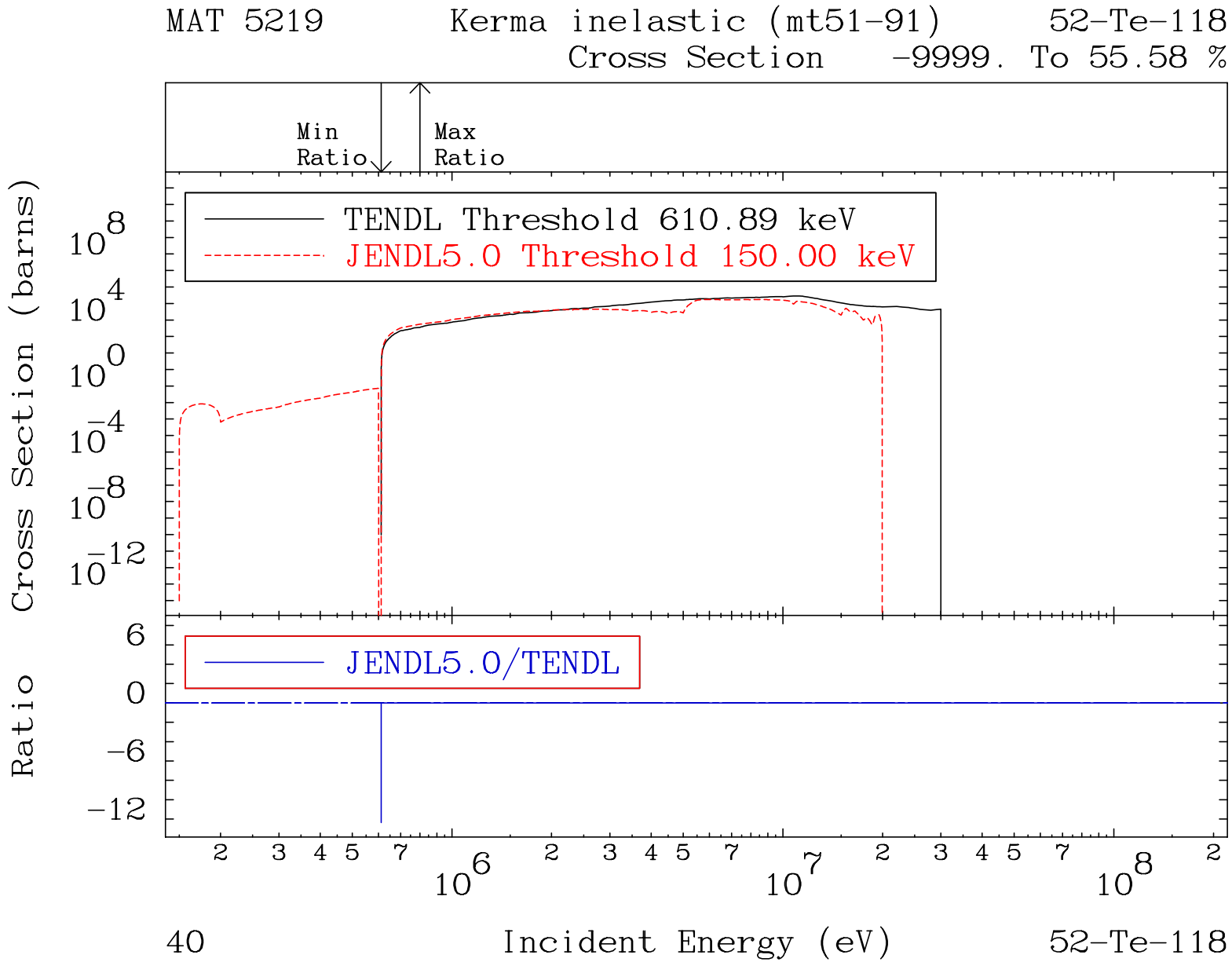

MAT 5219
He-3 Production
Cross Section
52-Te-118
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.0506 MeV
JENDL5.0 Threshold 3.0564 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
600
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
52-Te-118

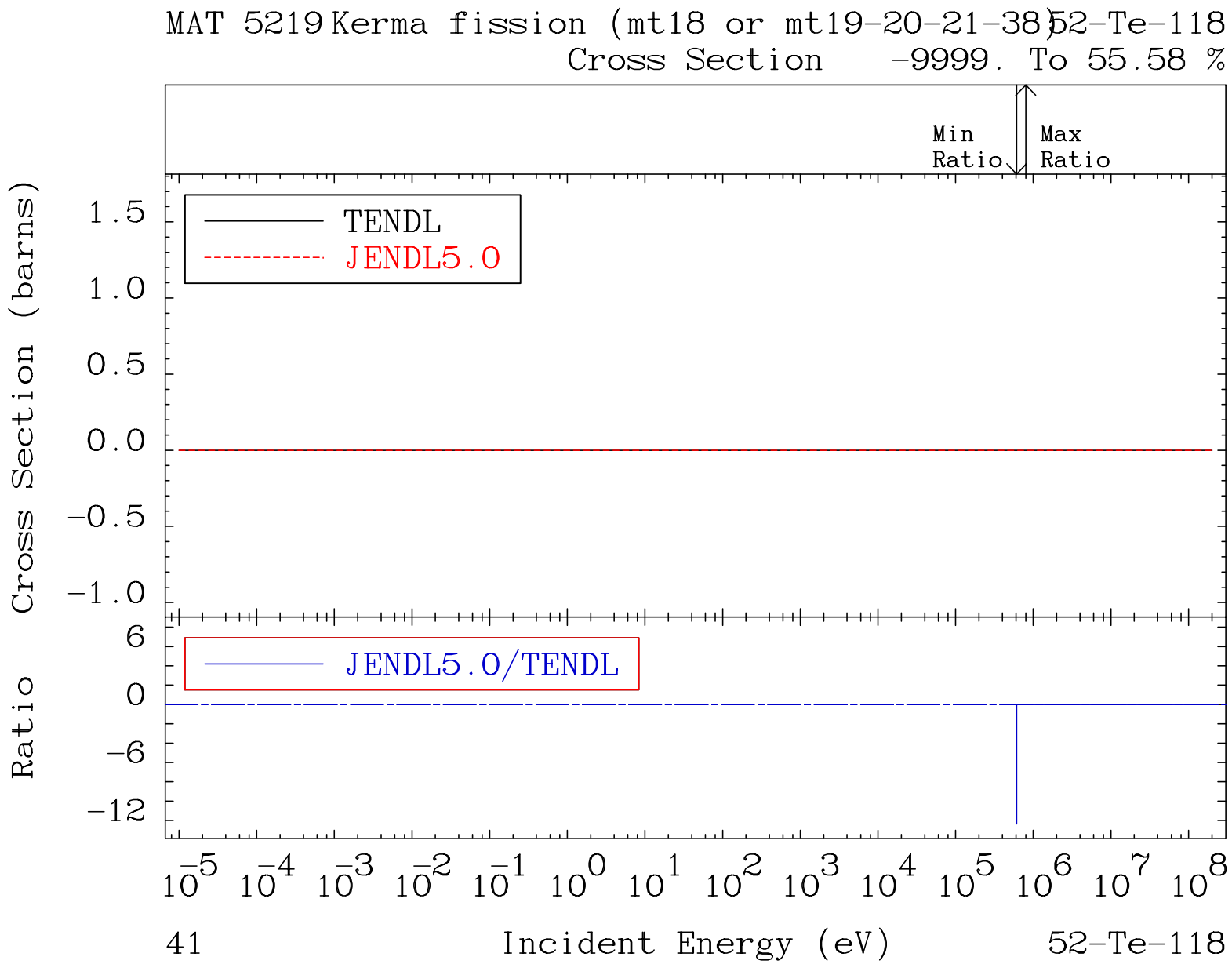

MAT 5219
He-4 Production
Cross Section
52-Te-118
-98.66 To 801.0 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
52-Te-118

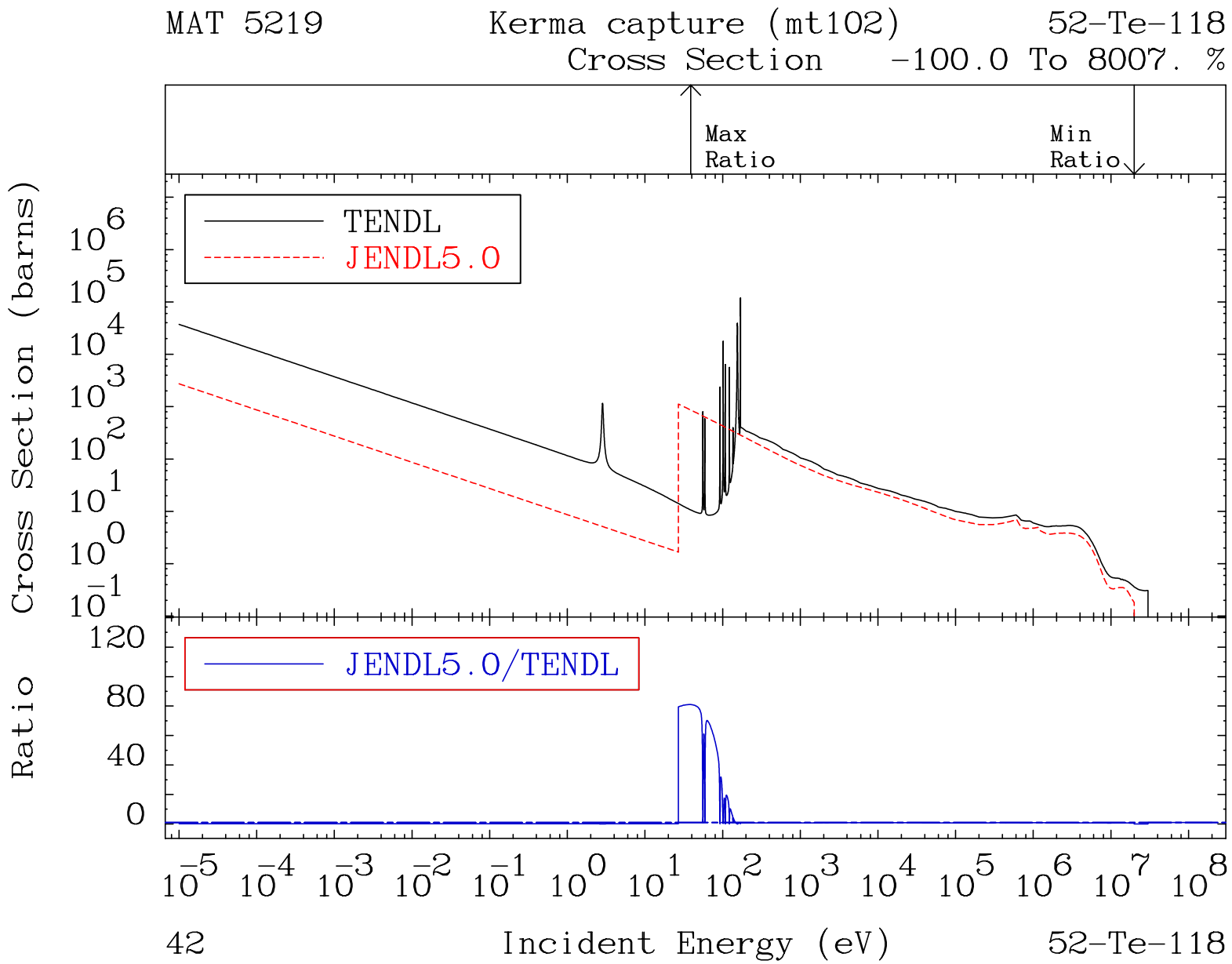

MAT 5219
Kerma total (eV-barns)
52-Te-118
Cross Section -94.61 To 6068. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
37
52-Te-118

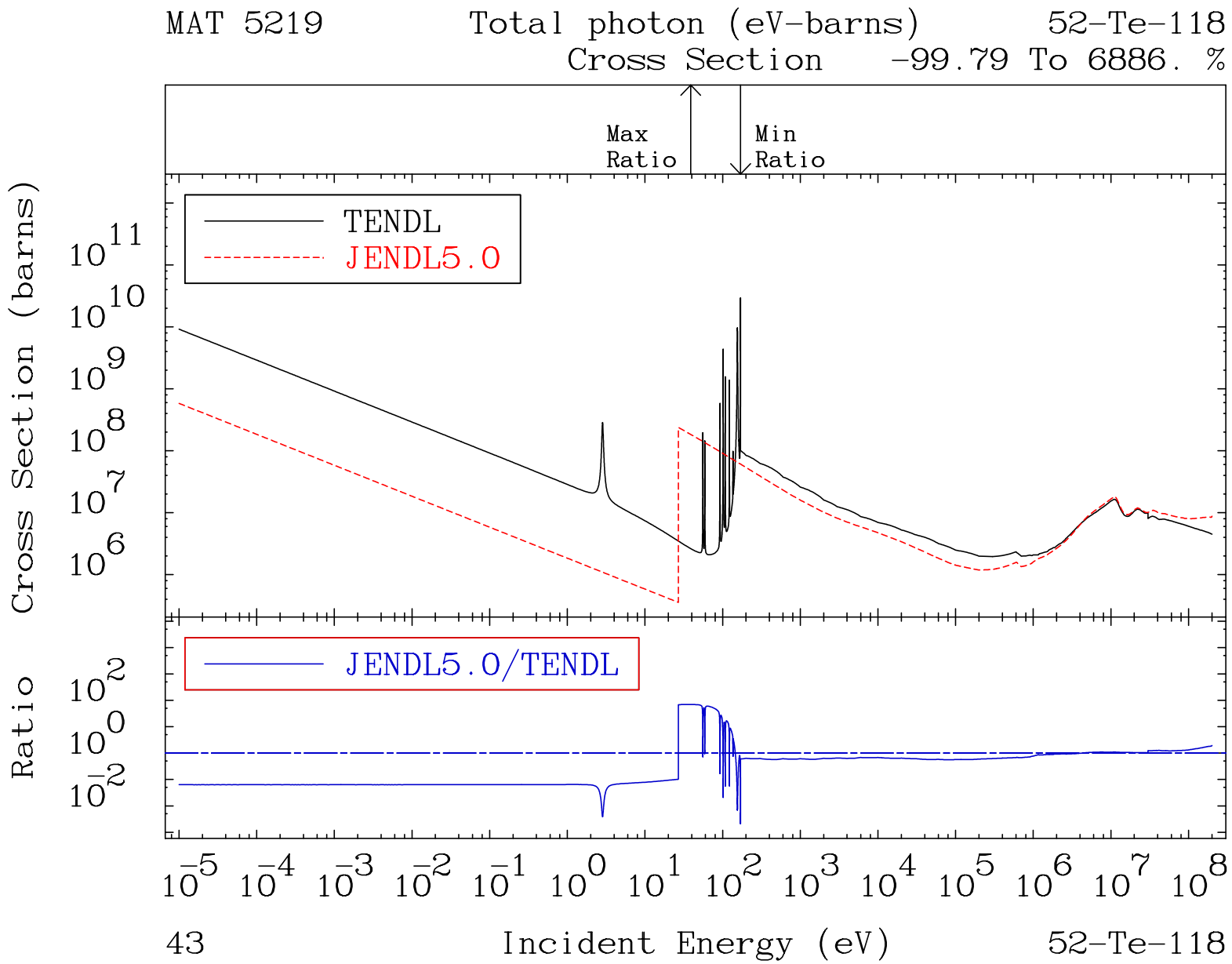

MAT 5219
Kerma elastic
Cross Section
52-Te-118
-99.84 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
38
52-Te-118

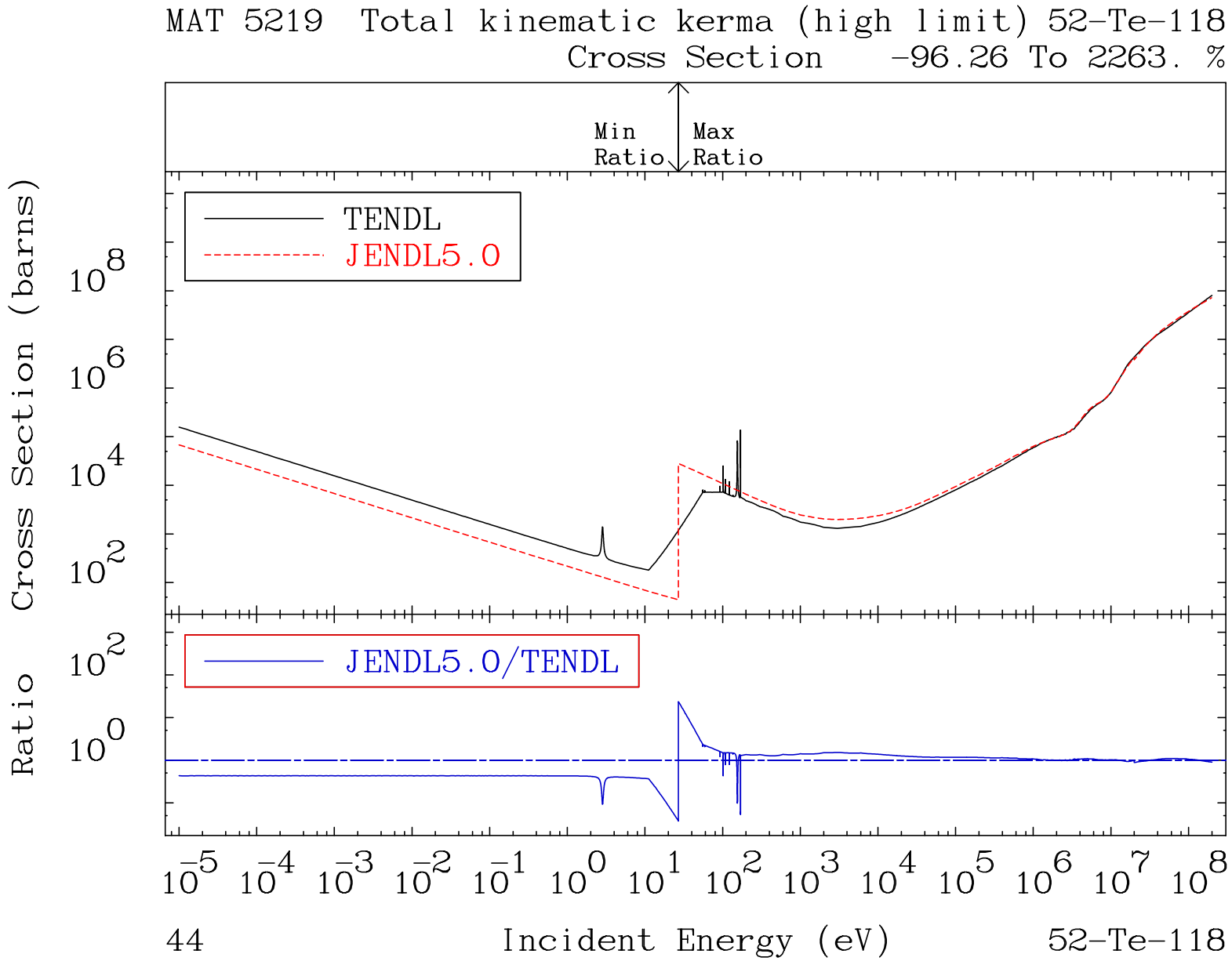

MAT 5219 Kerma non-elastic (all but mt2) 52-Te-118
Cross Section -94.11 To 6113. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
52-Te-118

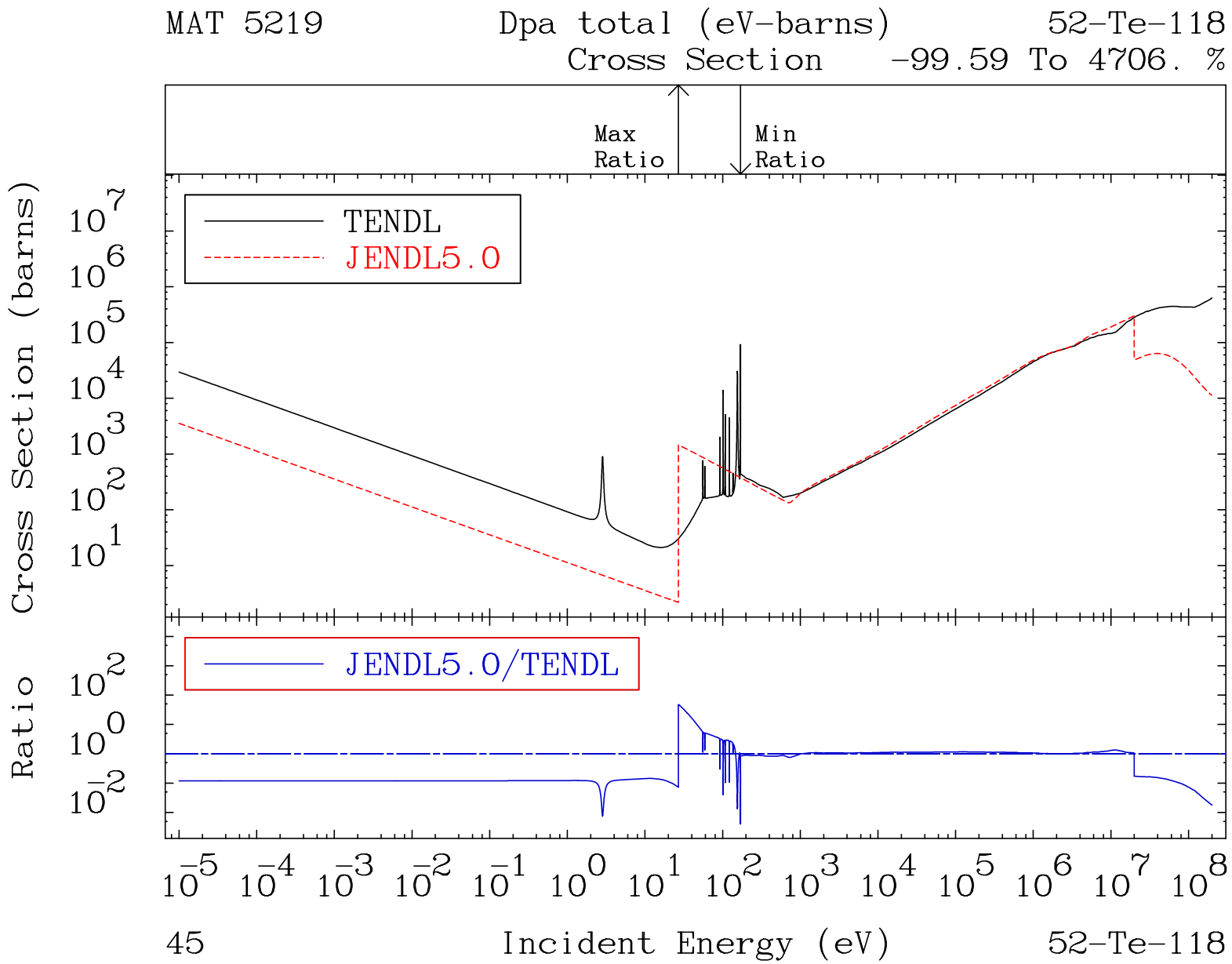

MAT 5219
Kerma inelastic (mt51-91)
52-Te-118
Cross Section -9999. To 55.58 %
Min Ratio
Max Ratio
TENDL Threshold 610.89 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
52-Te-118

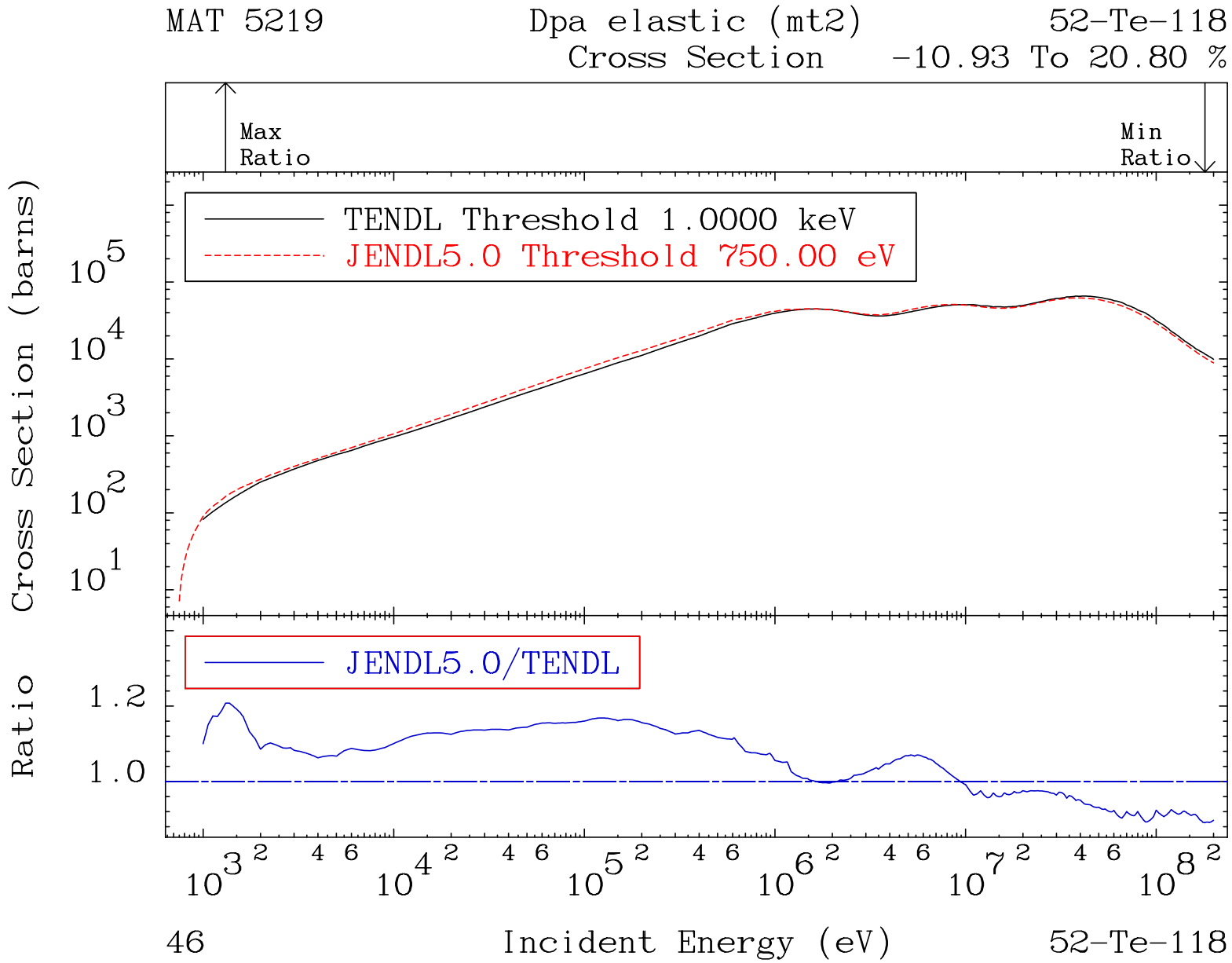

MAT 5219 Kerma fission (mt18 or mt19-20-21-38) 52-Te-118
Cross Section -9999. To 55.58 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
6
0
-6
-12
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
52-Te-118

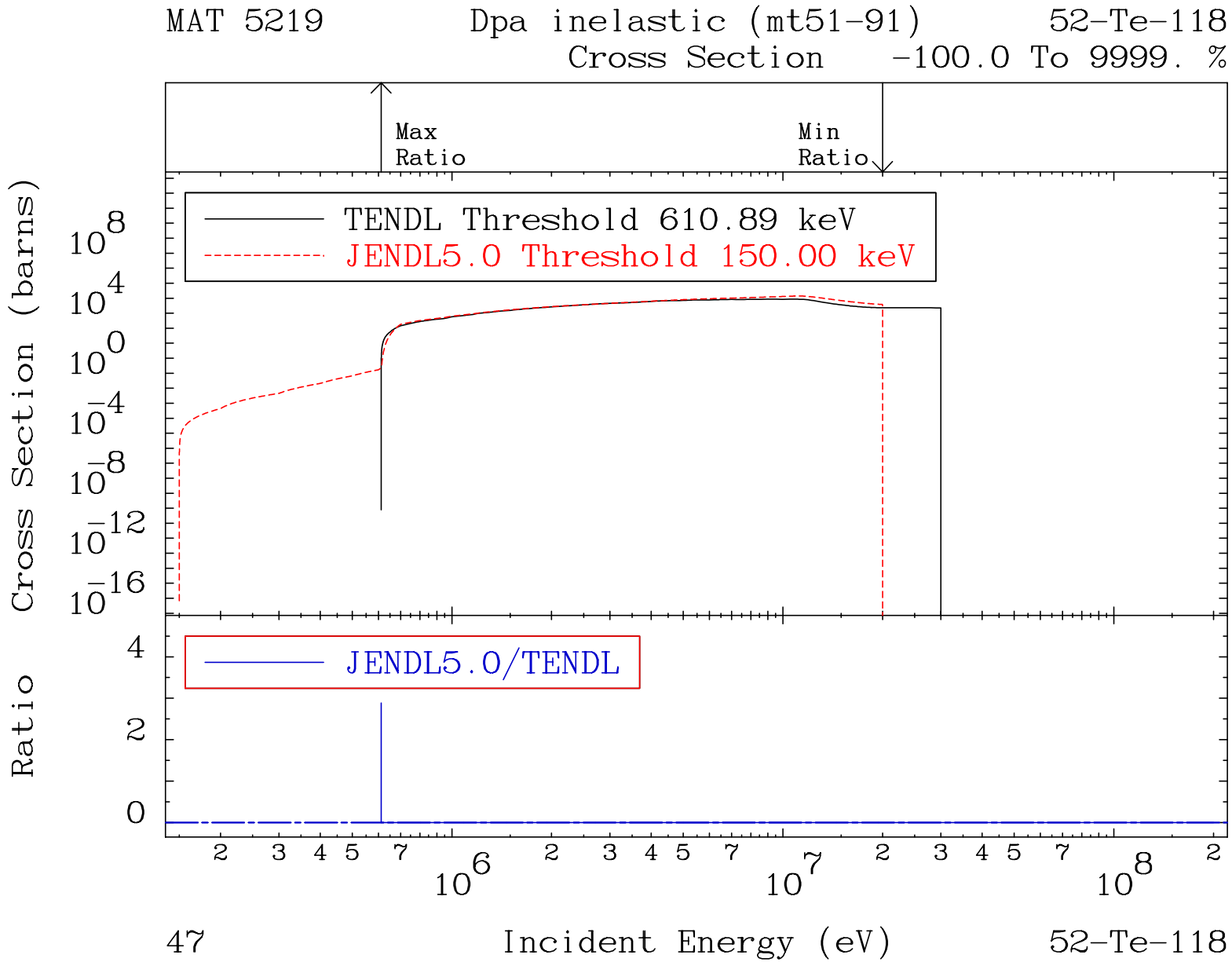

MAT 5219
Kerma capture (mt102)
52-Te-118
Cross Section -100.0 To 8007. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
52-Te-118

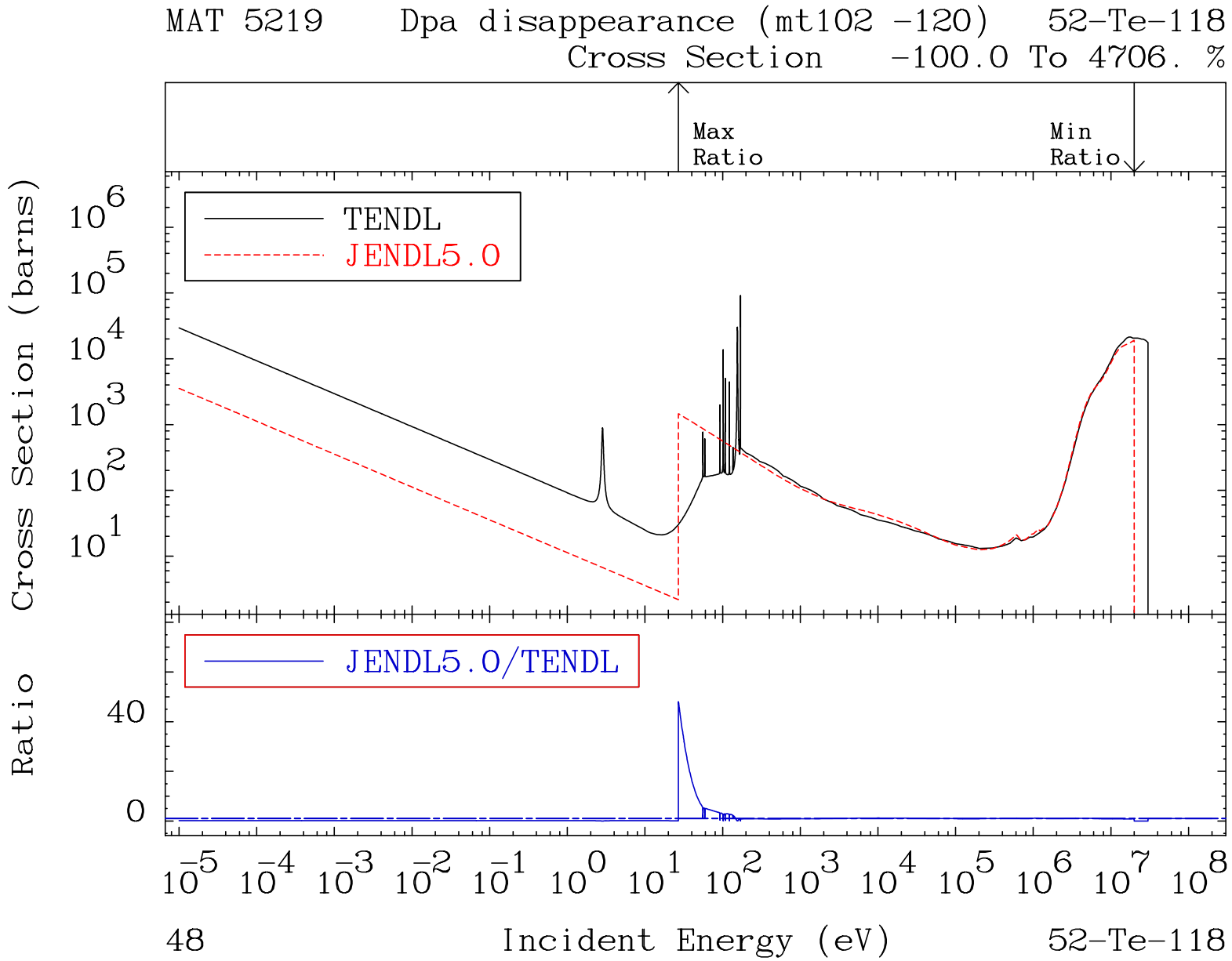

MAT 5219
Total photon (eV-barns)
52-Te-118
Cross Section -99.79 To 6886. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
43
52-Te-118

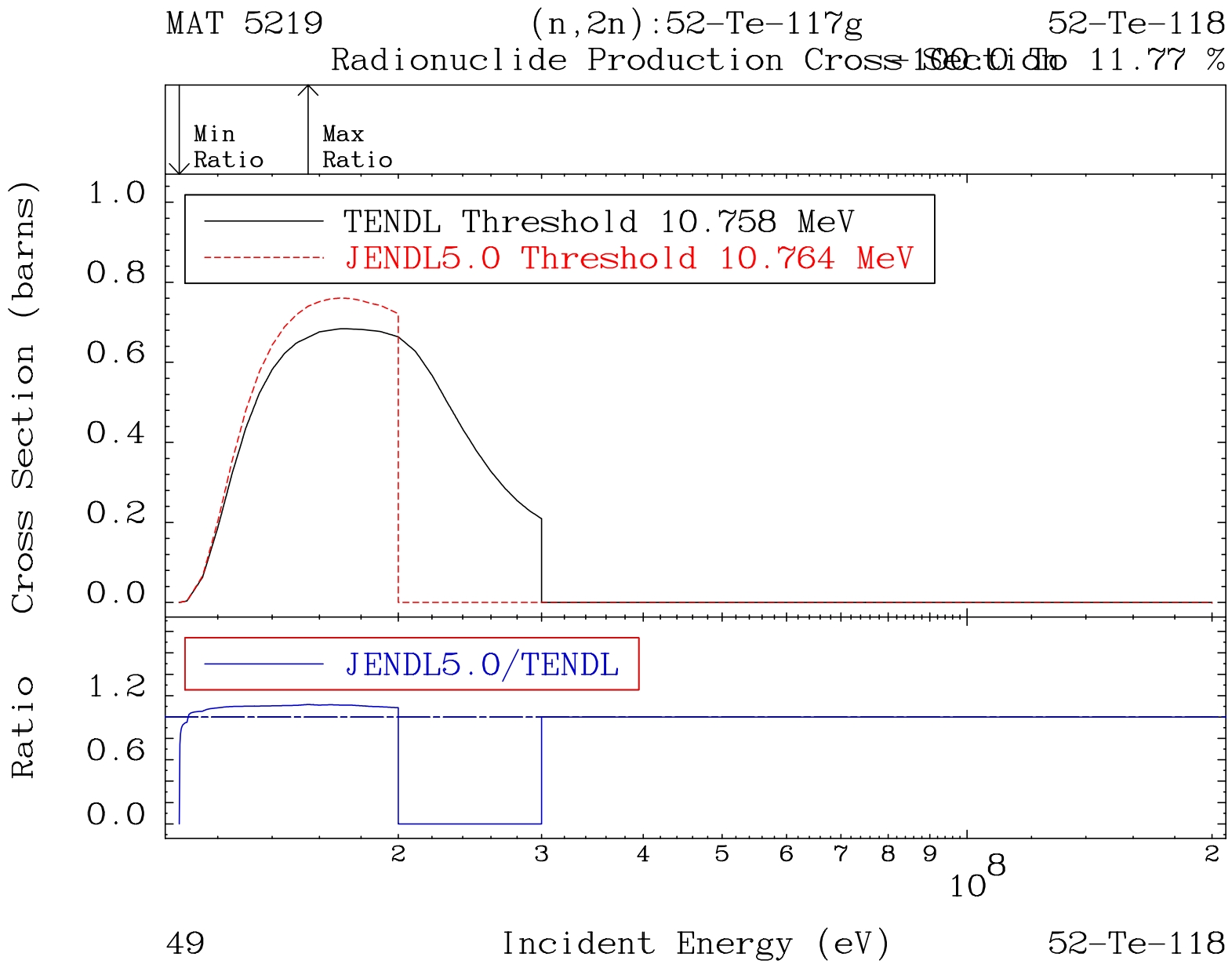

MAT 5219 Total kinematic kerma (high limit) 52-Te-118
Cross Section -96.26 To 2263. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
52-Te-118

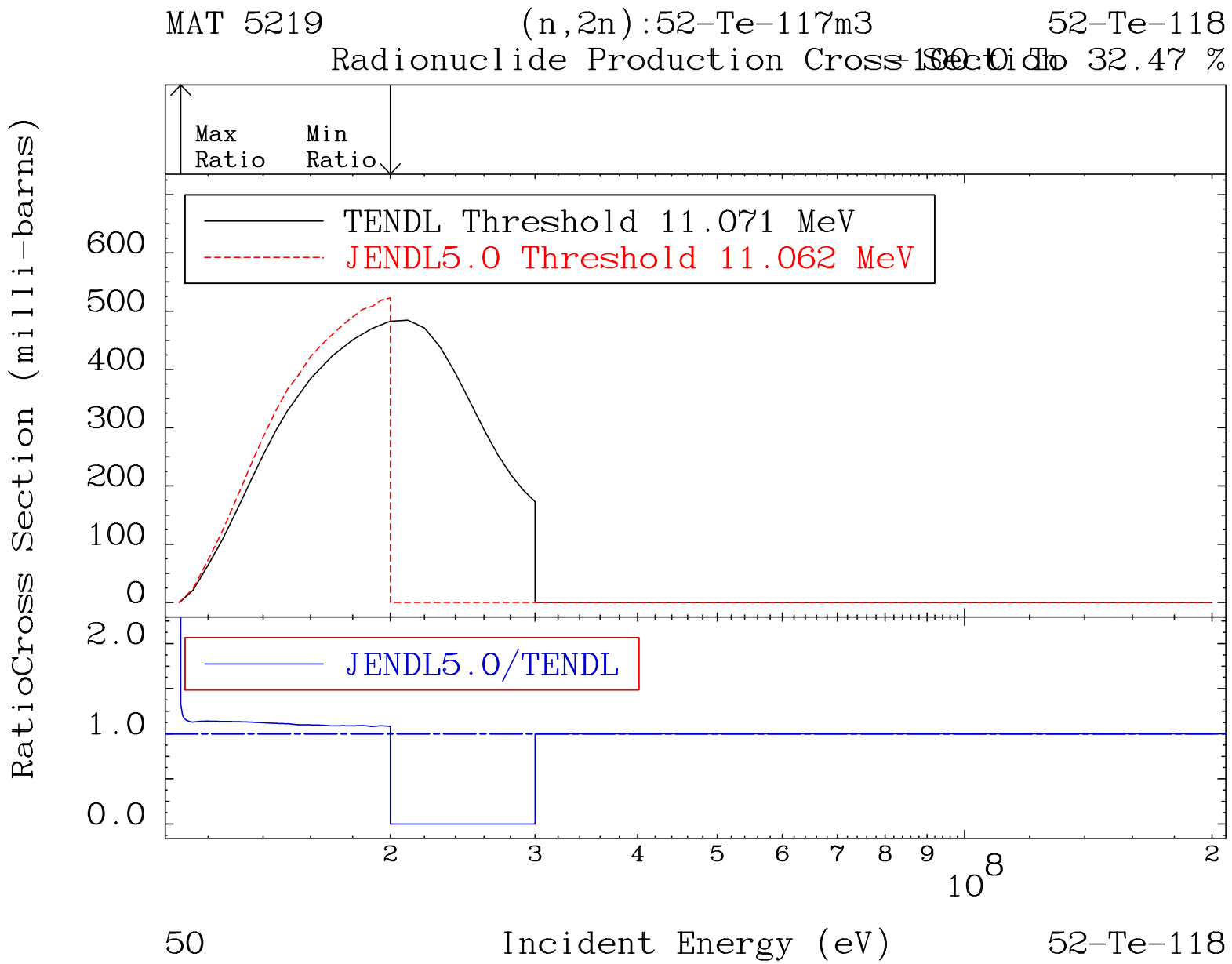

MAT 5219
Dpa total (eV-barns)
52-Te-118
Cross Section -99.59 To 4706. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
52-Te-118

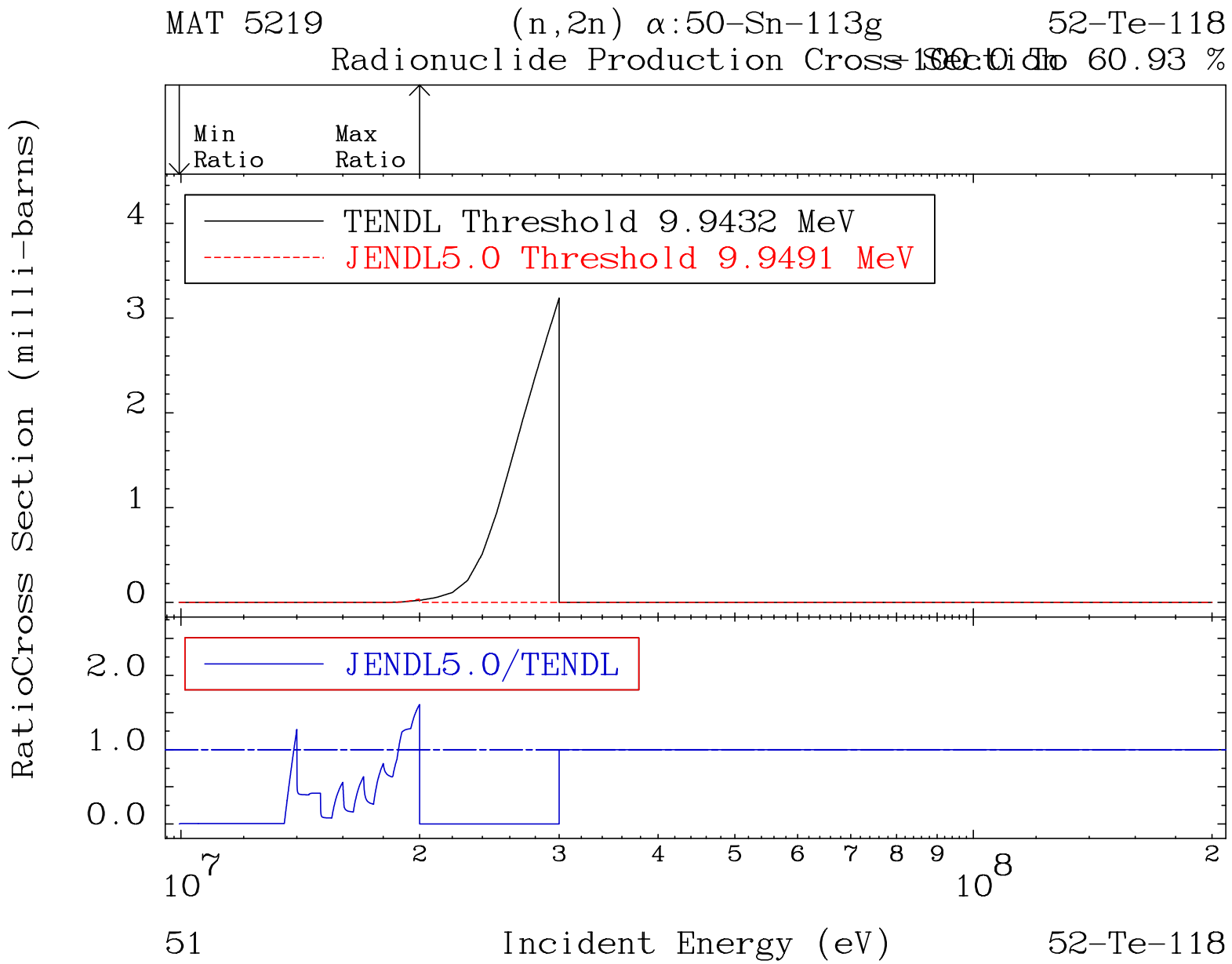

MAT 5219
Dpa elastic (mt2)
Cross Section
52-Te-118
-10.93 To 20.80 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0000 keV
JENDL5.0 Threshold 750.00 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
52-Te-118

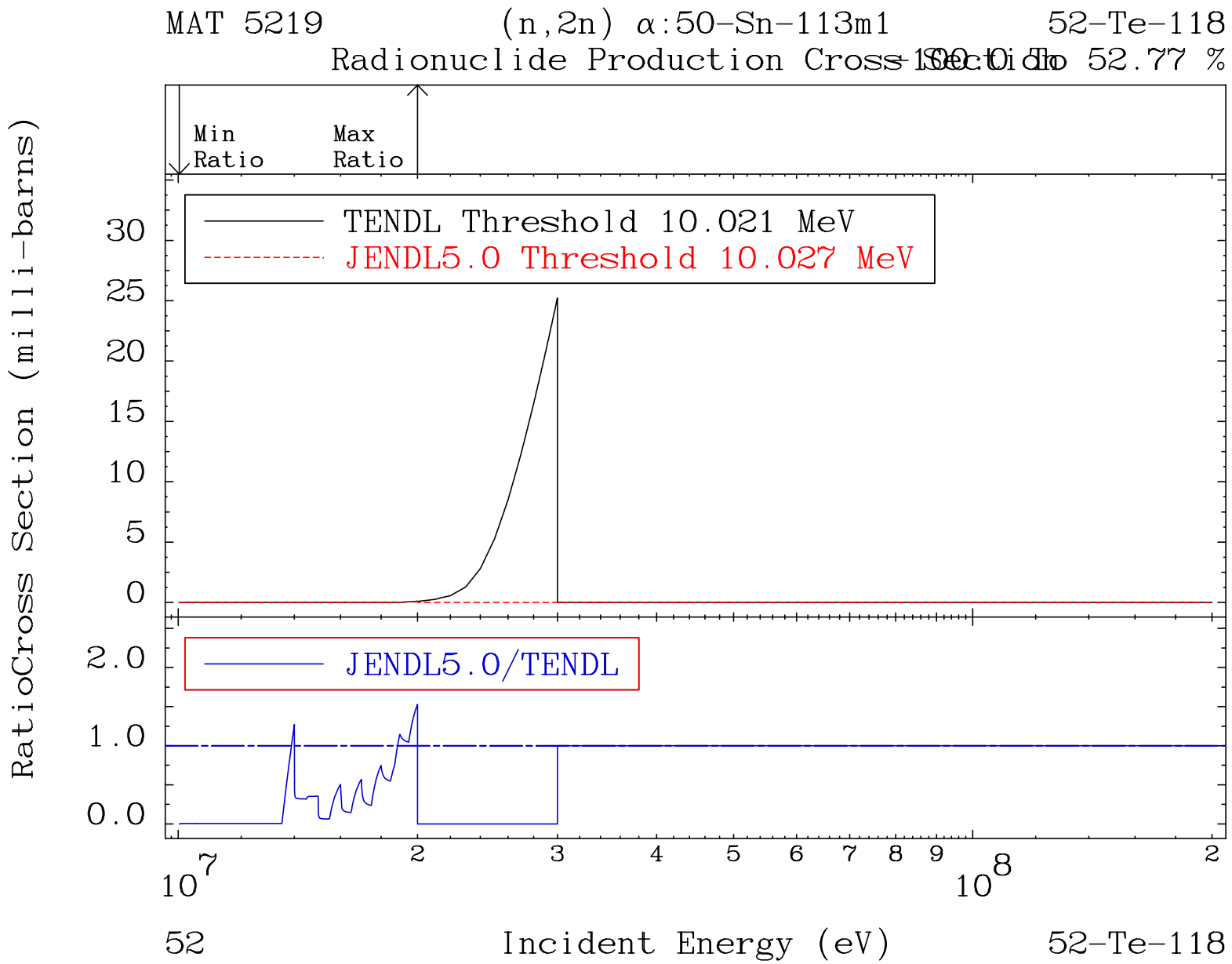

MAT 5219
Dpa inelastic (mt51-91)
52-Te-118
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 610.89 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
52-Te-118

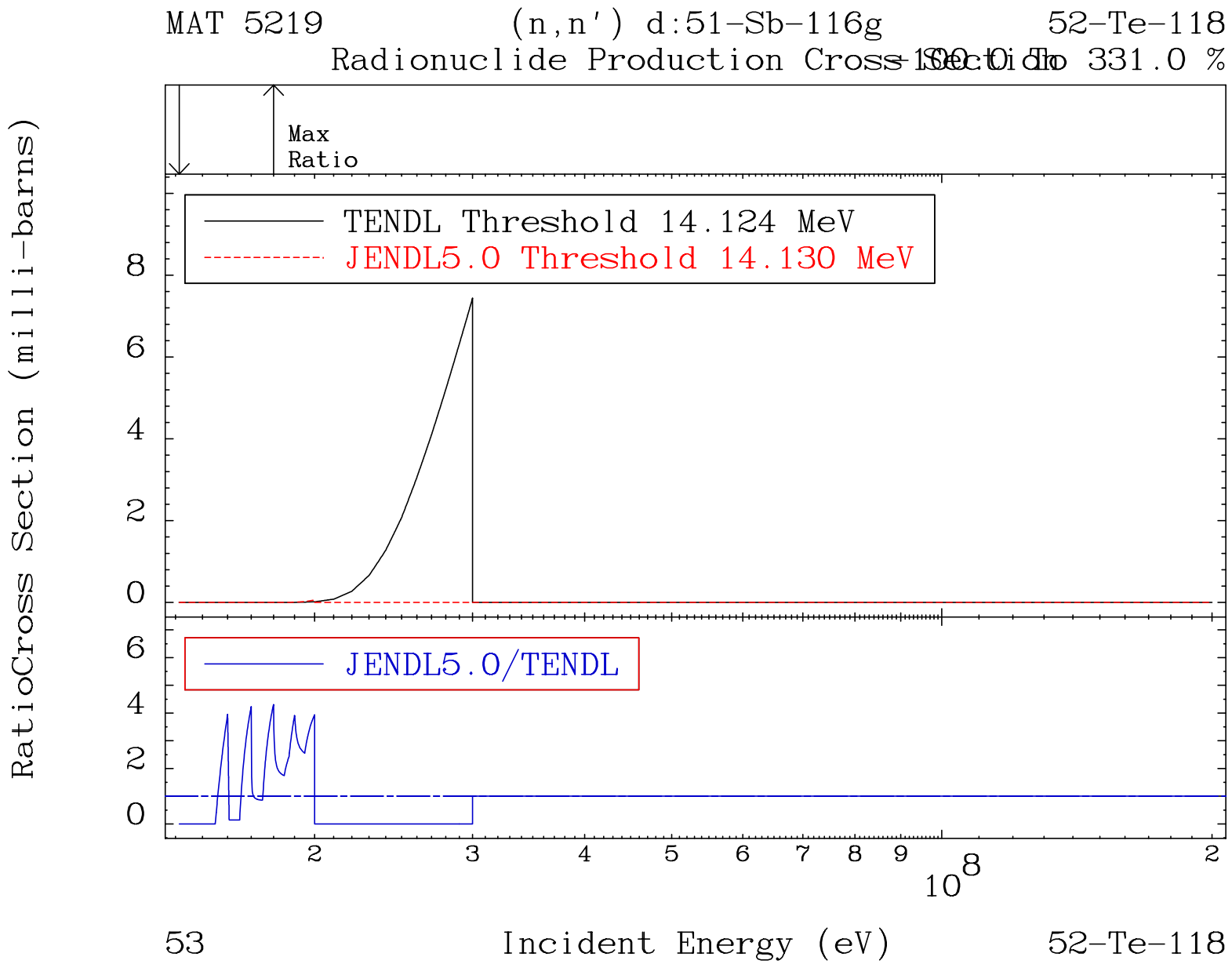

MAT 5219 Dpa disappearance (mt102 -120) 52-Te-118
Cross Section -100.0 To 4706. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
52-Te-118

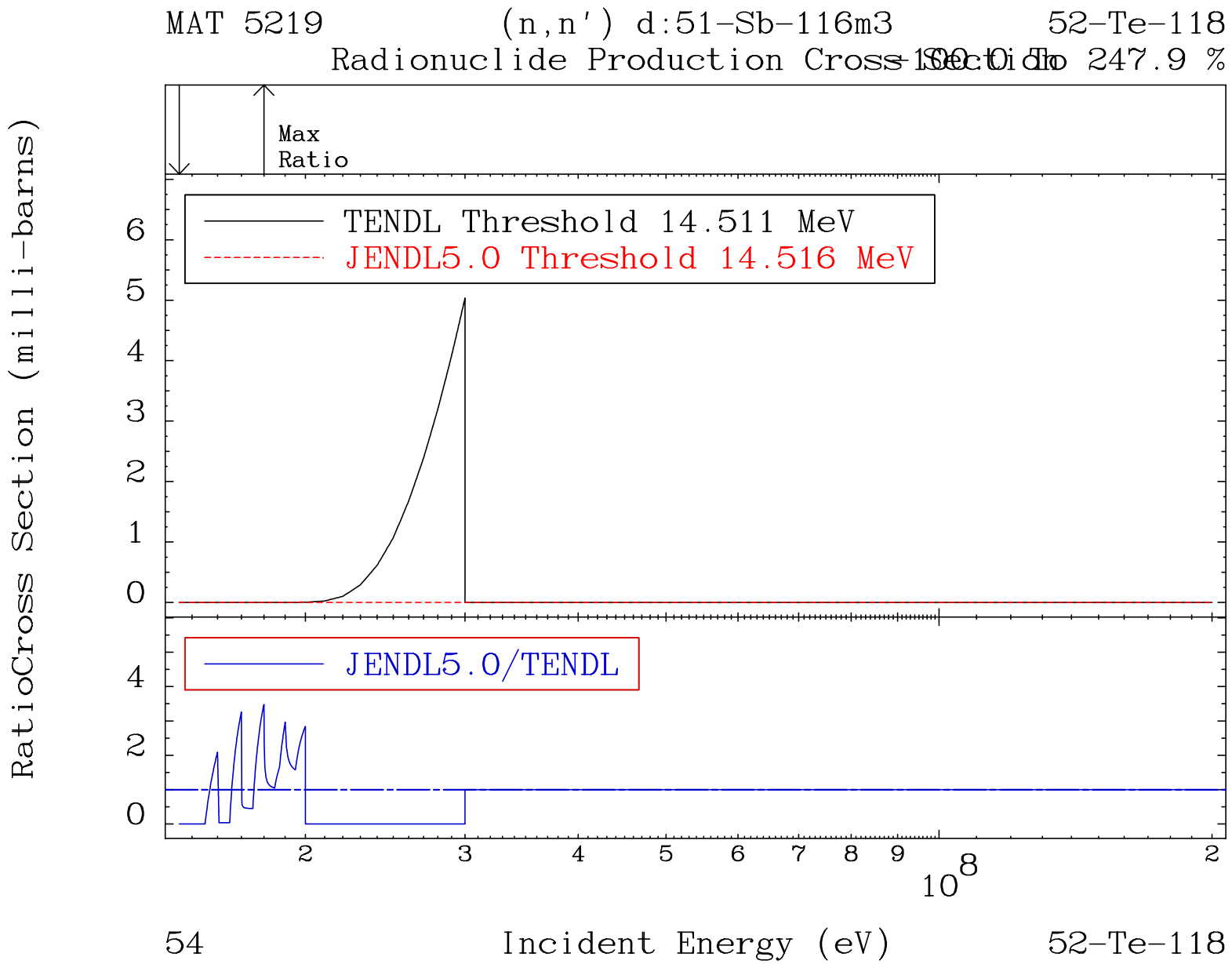

MAT 5219
(n,2n):52-Te-117g
52-Te-118
Radionuclide Production Cross Section To
Min Ratio
Max Ratio
TENDL Threshold 10.758 MeV
JENDL5.0 Threshold 10.764 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
49
52-Te-118

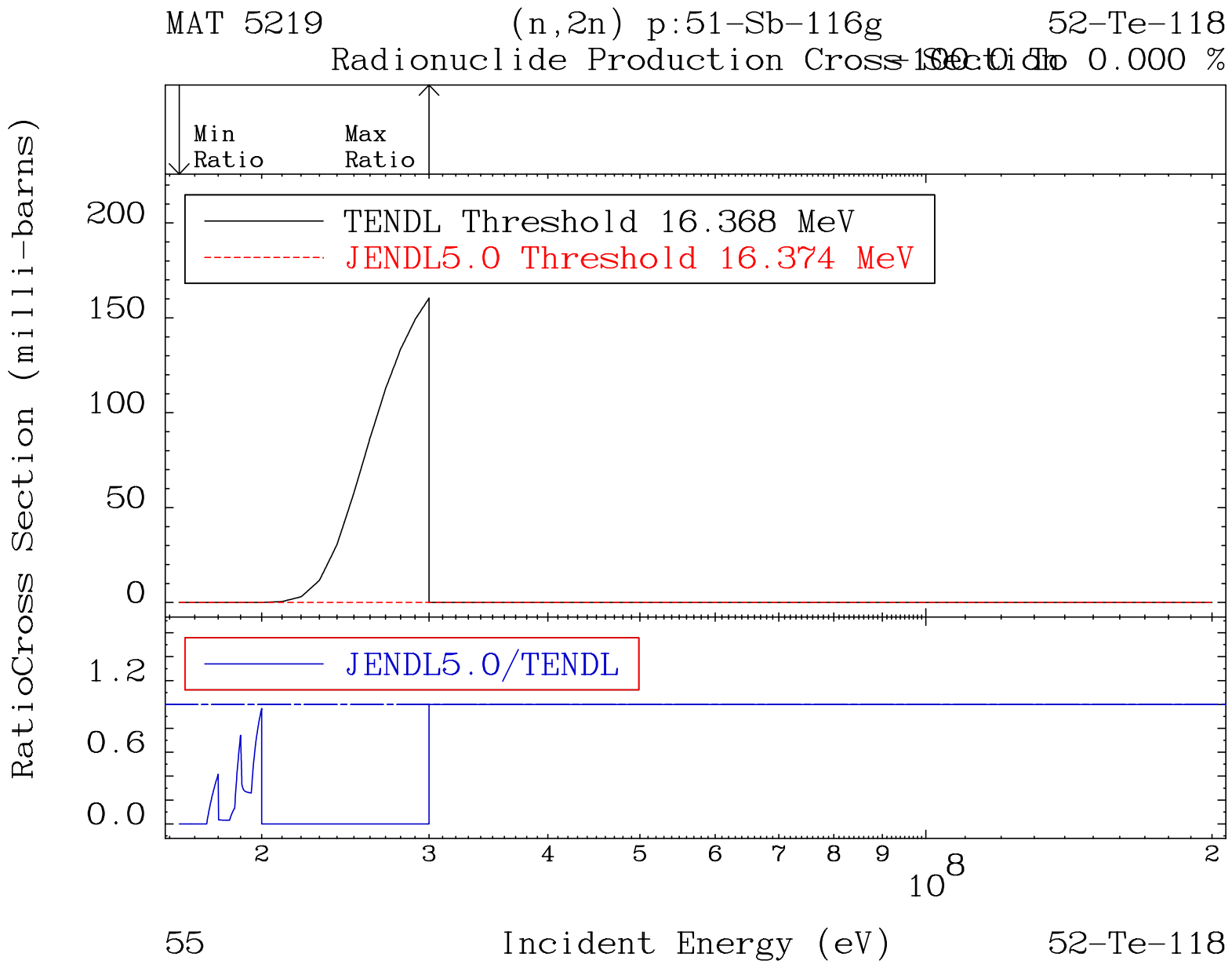

MAT 5219
(n,2n):52-Te-117m3
52-Te-118
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.071 MeV
JENDL5.0 Threshold 11.062 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
50
Incident Energy (eV)
52-Te-118

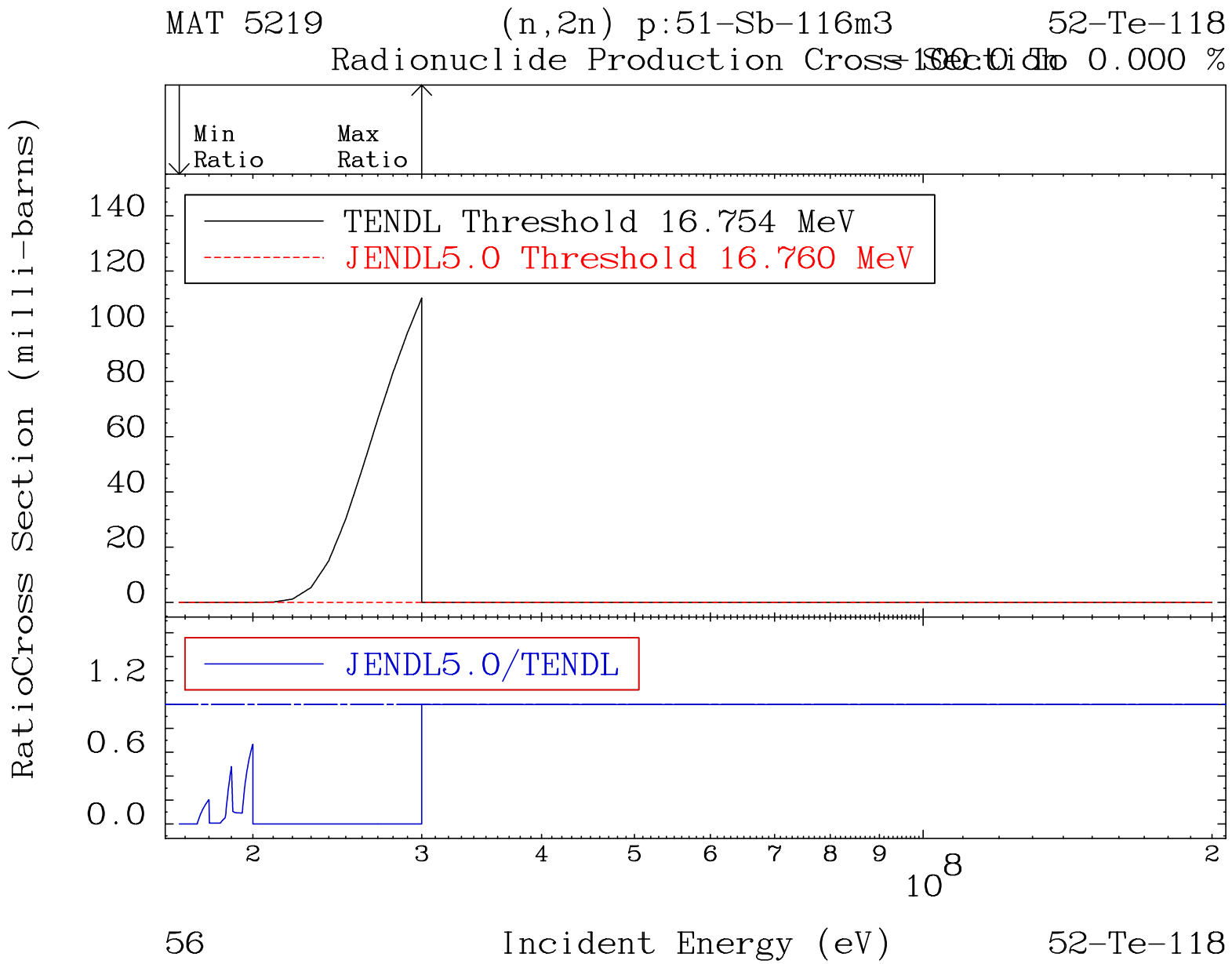

MAT 5219
(n,2n) α:50-Sn-113g
52-Te-118
Radionuclide Production Cross Section To 60.93 %
Min Ratio
Max Ratio
TENDL Threshold 9.9432 MeV
JENDL5.0 Threshold 9.9491 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
52-Te-118

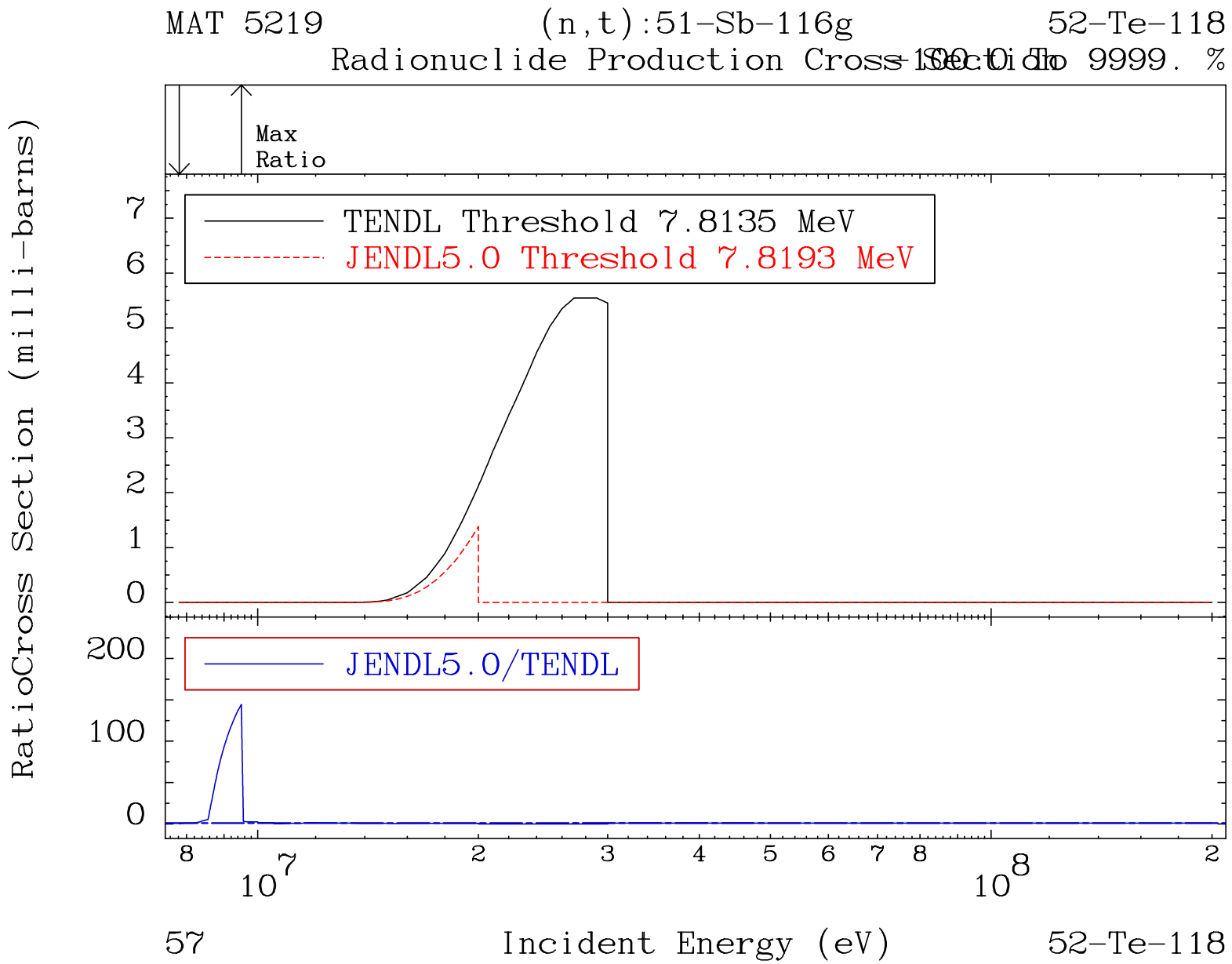

MAT 5219
(n,2n) α:50-Sn-113m1
52-Te-118
Radionuclide Production Cross Section To 52.77 %
Min Ratio
Max Ratio
TENDL Threshold 10.021 MeV
JENDL5.0 Threshold 10.027 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
52-Te-118

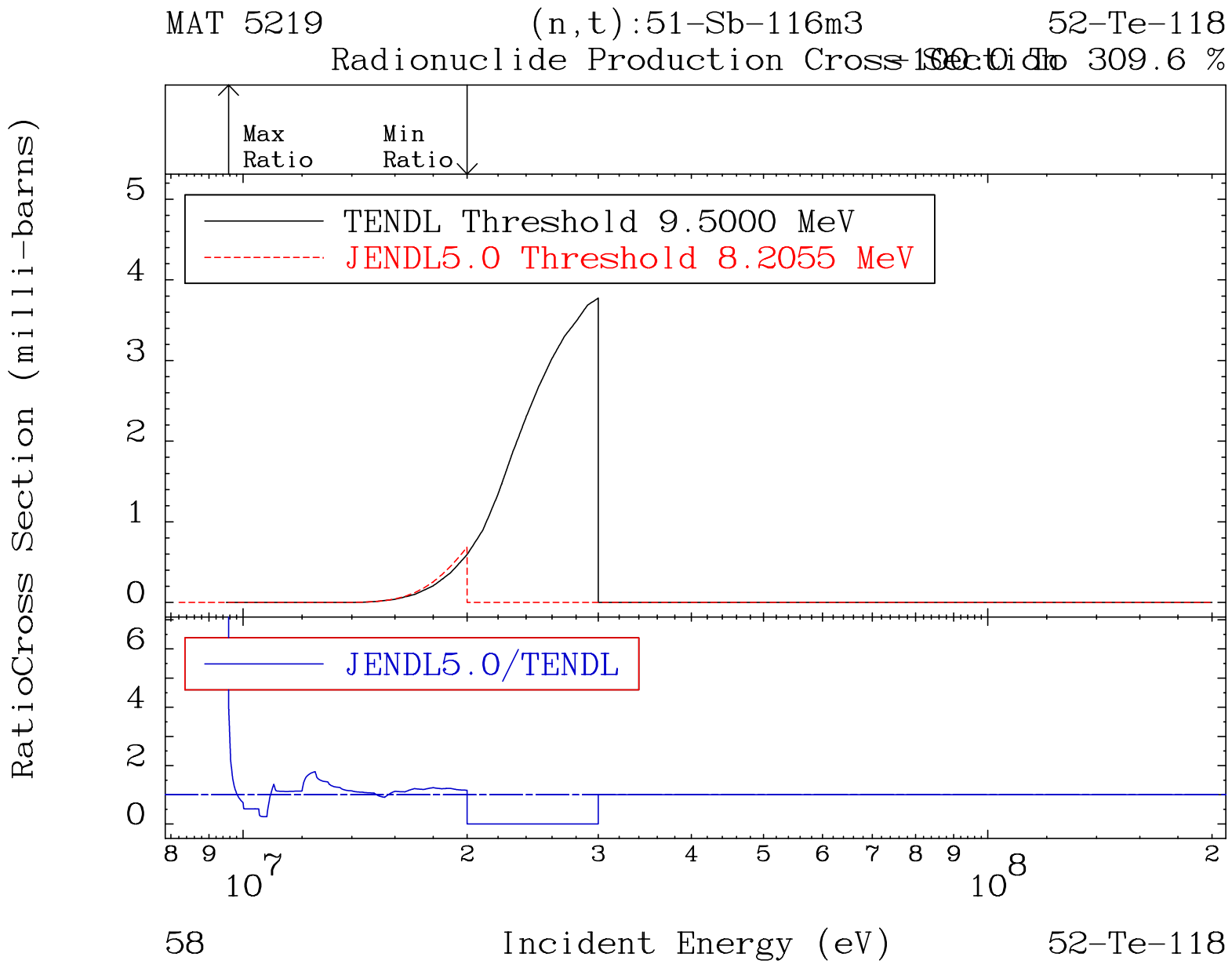

MAT 5219
(n,n') d:51-Sb-116g
52-Te-118
Radionuclide Production Cross Section To 331.0 %
Max
Ratio
TENDL Threshold 14.124 MeV
JENDL5.0 Threshold 14.130 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
52-Te-118

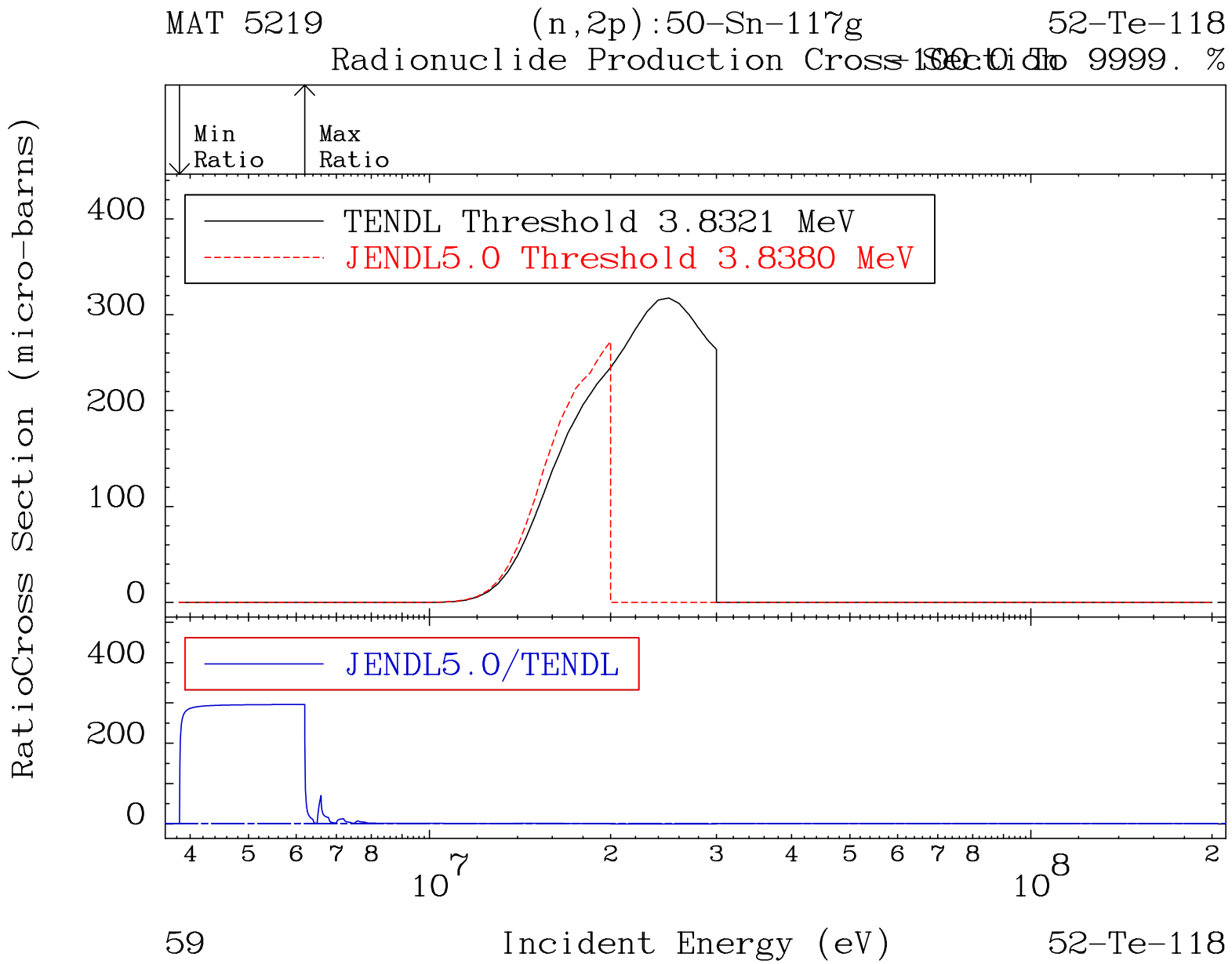

MAT 5219
(n,n') d:51-Sb-116m3
52-Te-118
Radionuclide Production Cross Section To 247.9 %
Max
Ratio
TENDL Threshold 14.511 MeV
JENDL5.0 Threshold 14.516 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54
52-Te-118

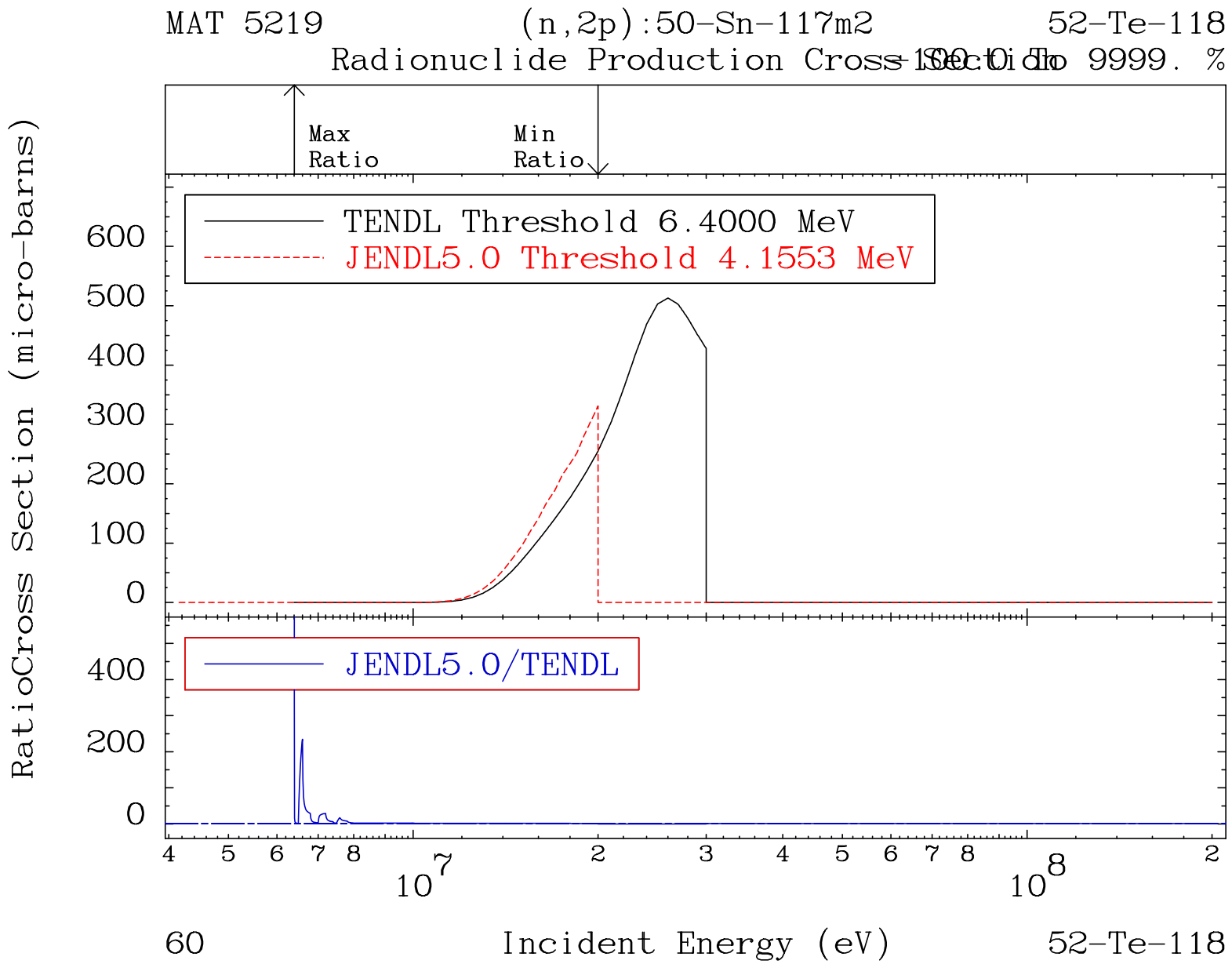

MAT 5219
(n,2n) p:51-Sb-116g
52-Te-118
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.368 MeV
JENDL5.0 Threshold 16.374 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
52-Te-118

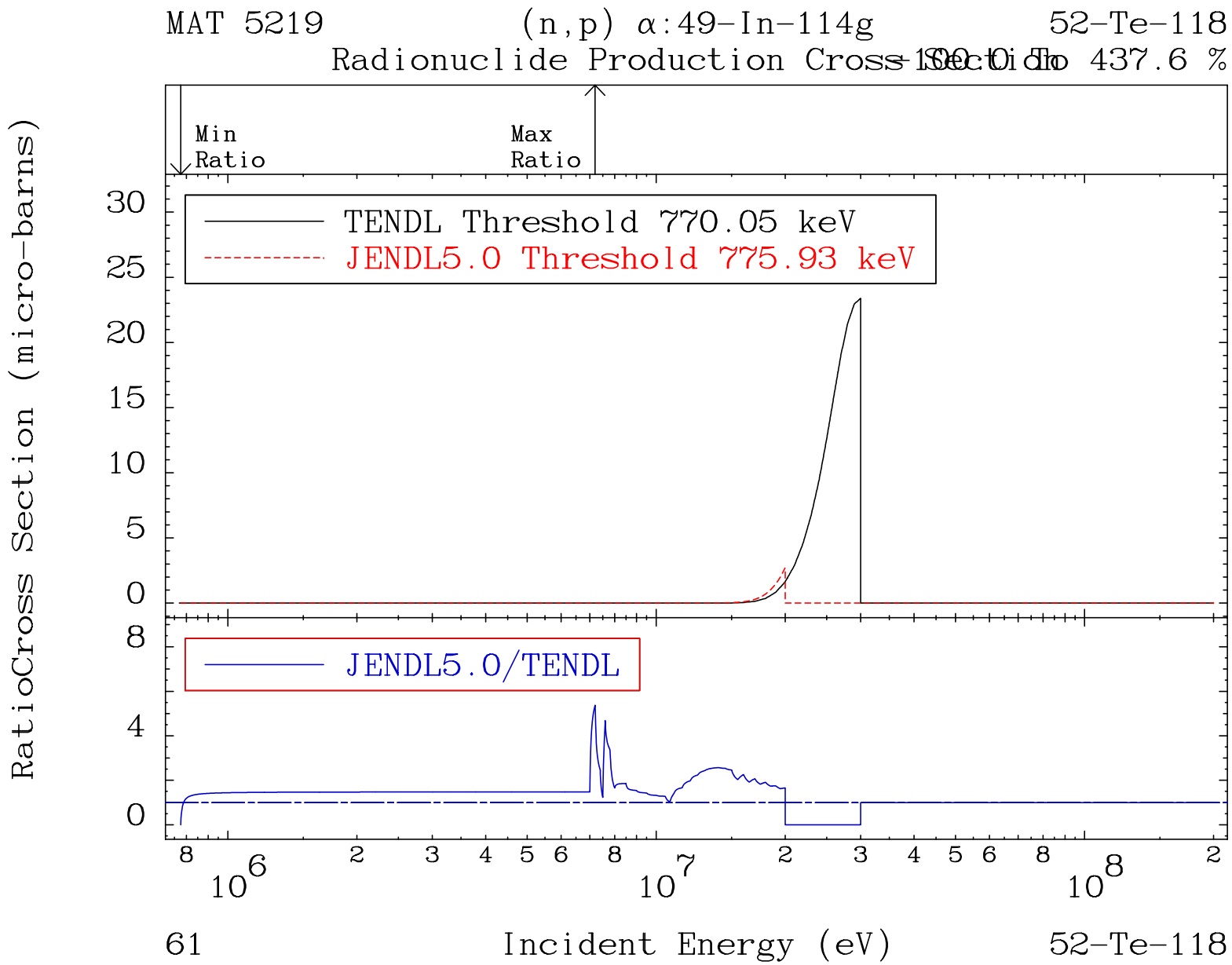

MAT 5219
(n,2n) p:51-Sb-116m3
52-Te-118
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.754 MeV
JENDL5.0 Threshold 16.760 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
52-Te-118

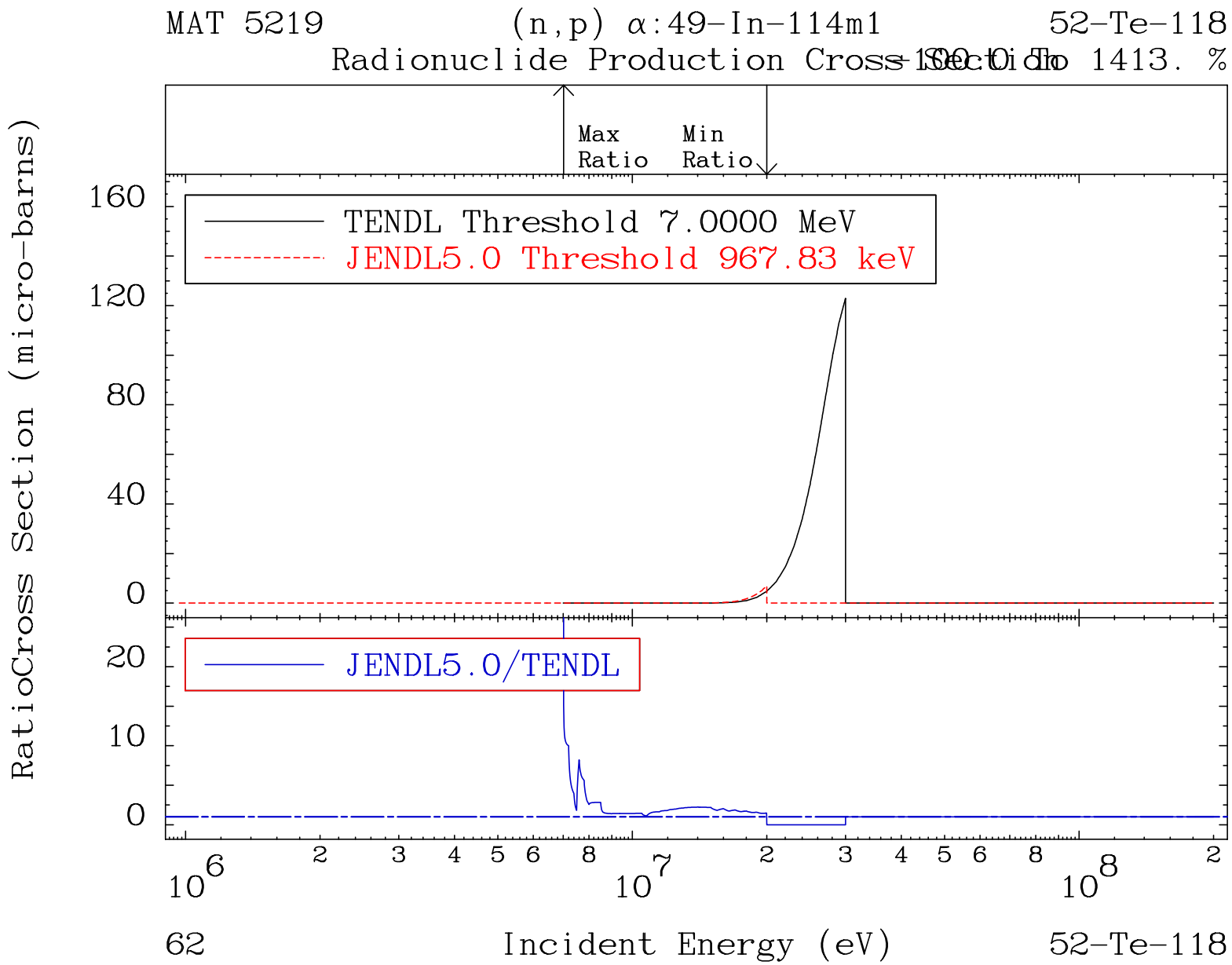

MAT 5219
(n,t):51-Sb-116g
52-Te-118
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.8135 MeV
JENDL5.0 Threshold 7.8193 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
52-Te-118


MAT 5219
(n,t):51-Sb-116m3
52-Te-118
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JENDL5.0 Threshold 8.2055 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
52-Te-118


MAT 5219
(n,2p):50-Sn-117g
52-Te-118
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8321 MeV
JENDL5.0 Threshold 3.8380 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
400
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
59
Incident Energy (eV)
52-Te-118


MAT 5219
(n,2p):50-Sn-117m2
52-Te-118
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.4000 MeV
JENDL5.0 Threshold 4.1553 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
60
52-Te-118


MAT 5219
(n,p) α:49-In-114g
52-Te-118
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 770.05 keV
JENDL5.0 Threshold 775.93 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
61
52-Te-118


MAT 5219
(n,p) α:49-In-114m1
52-Te-118
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 7.0000 MeV
JENDL5.0 Threshold 967.83 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
62
52-Te-118