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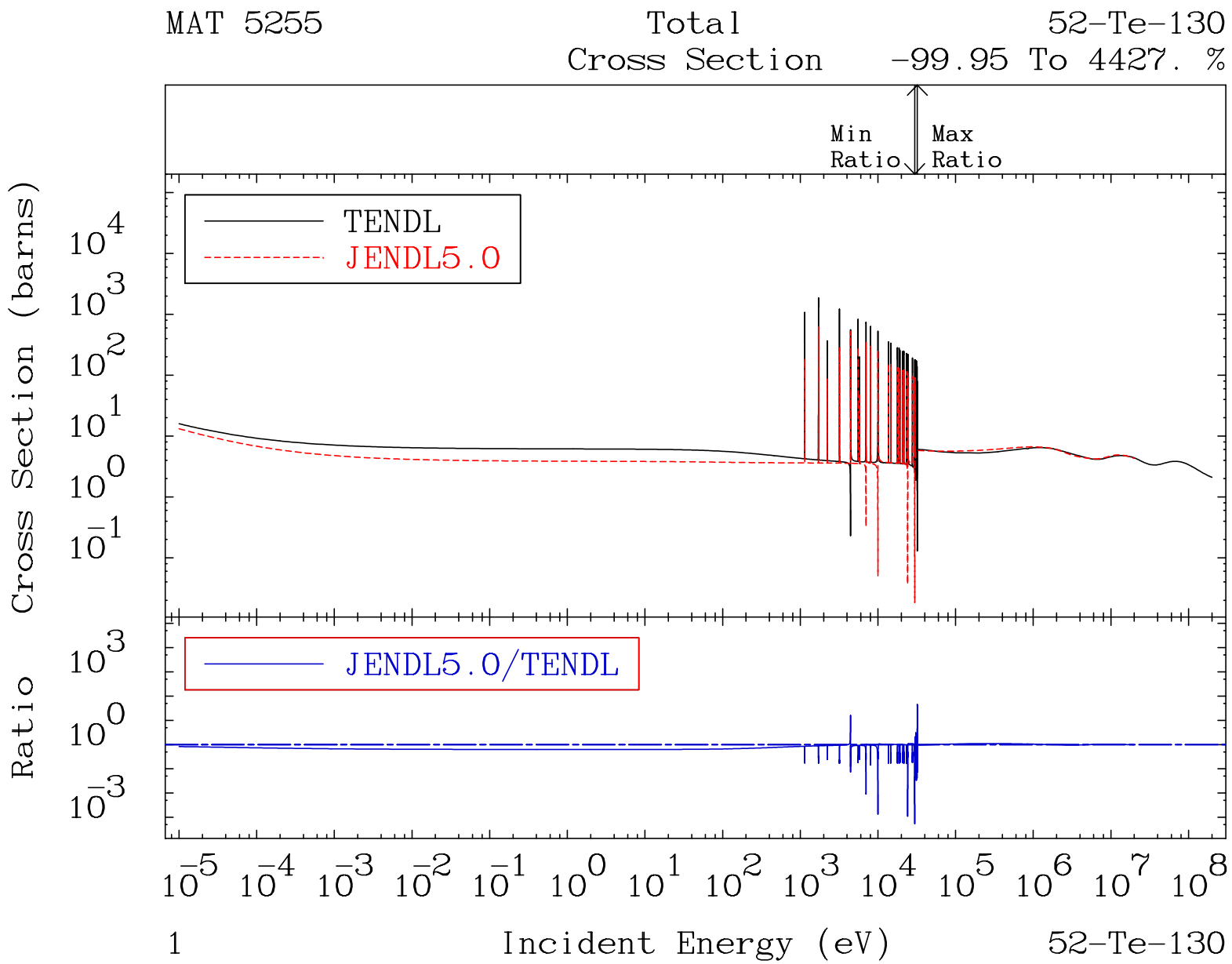
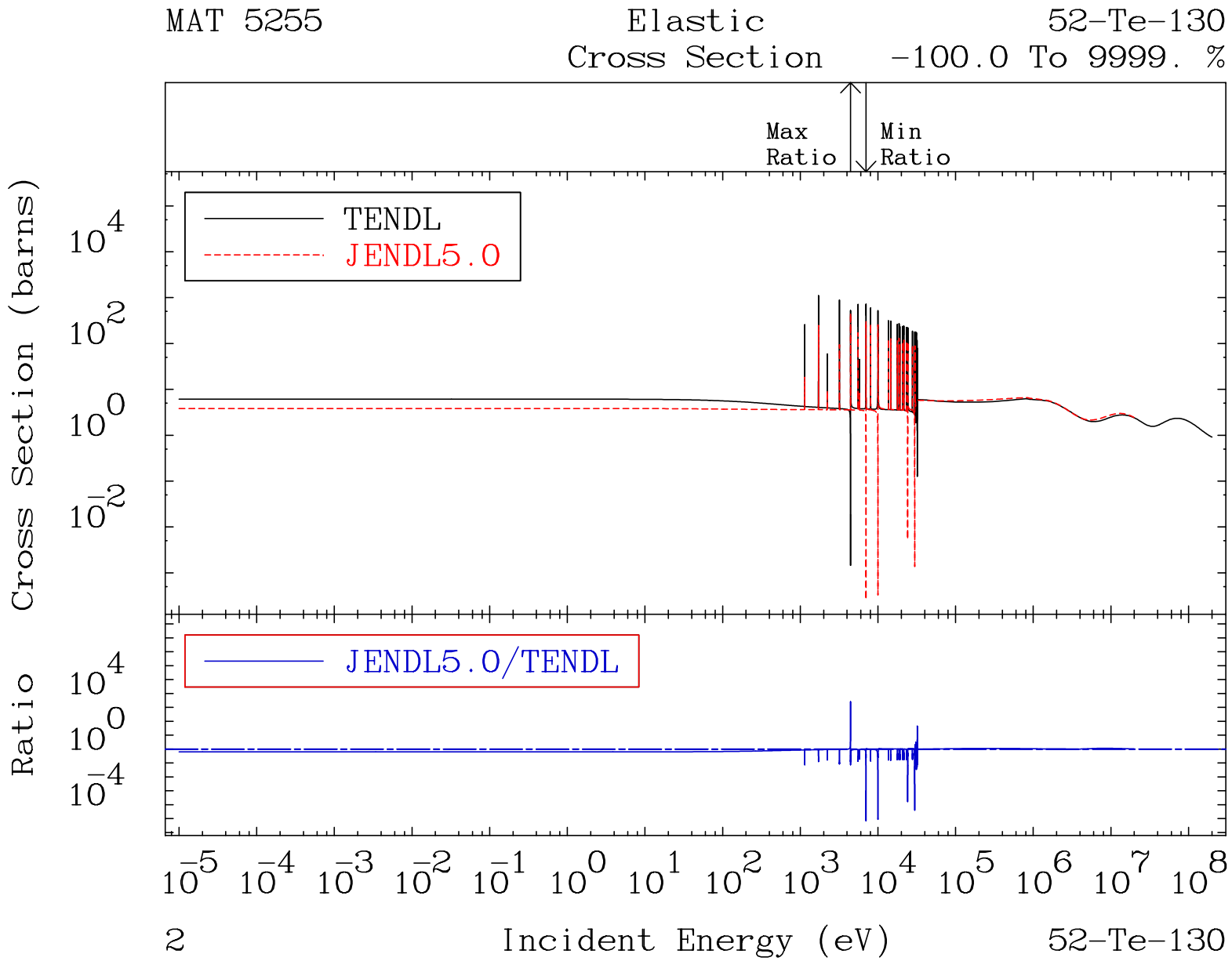
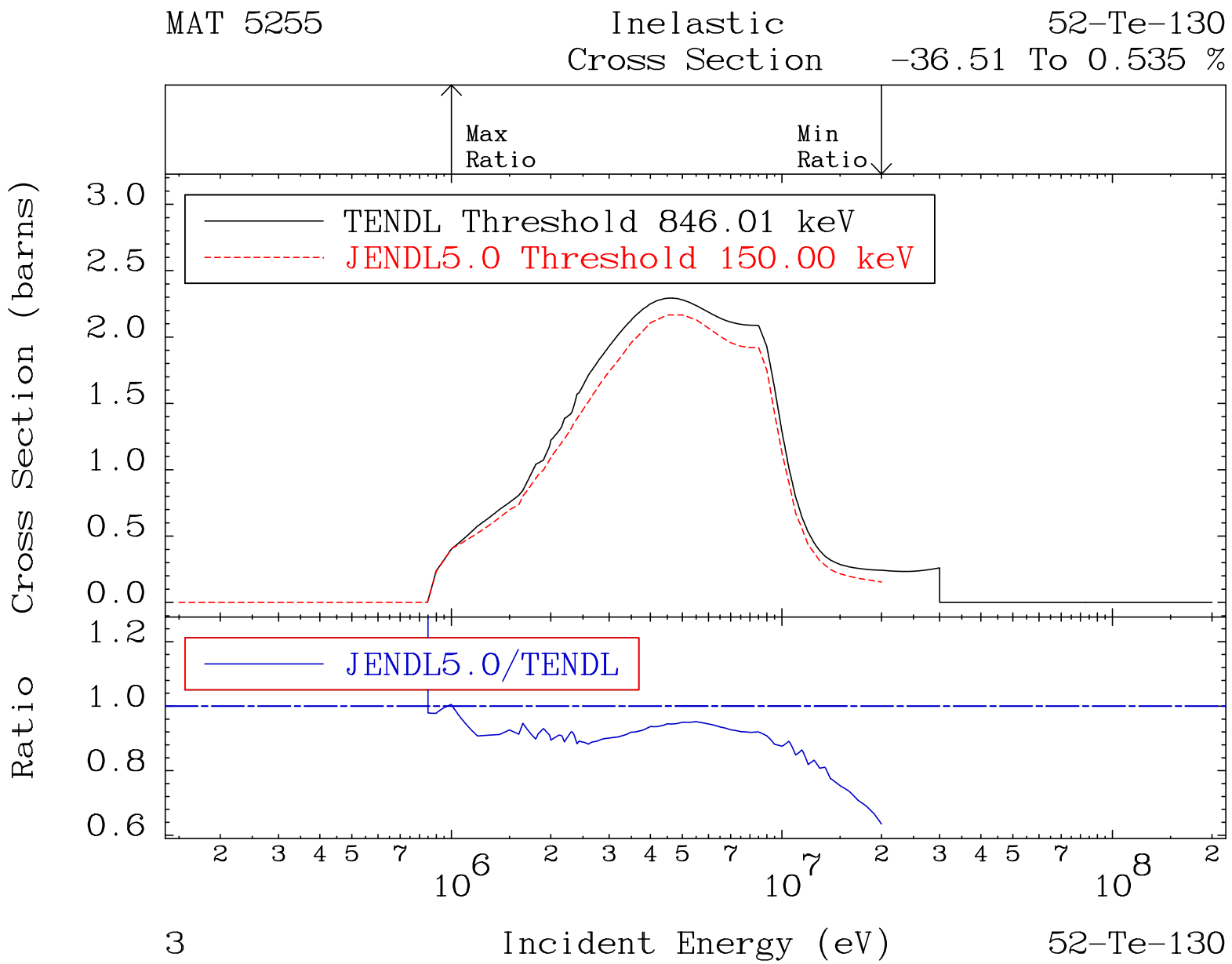
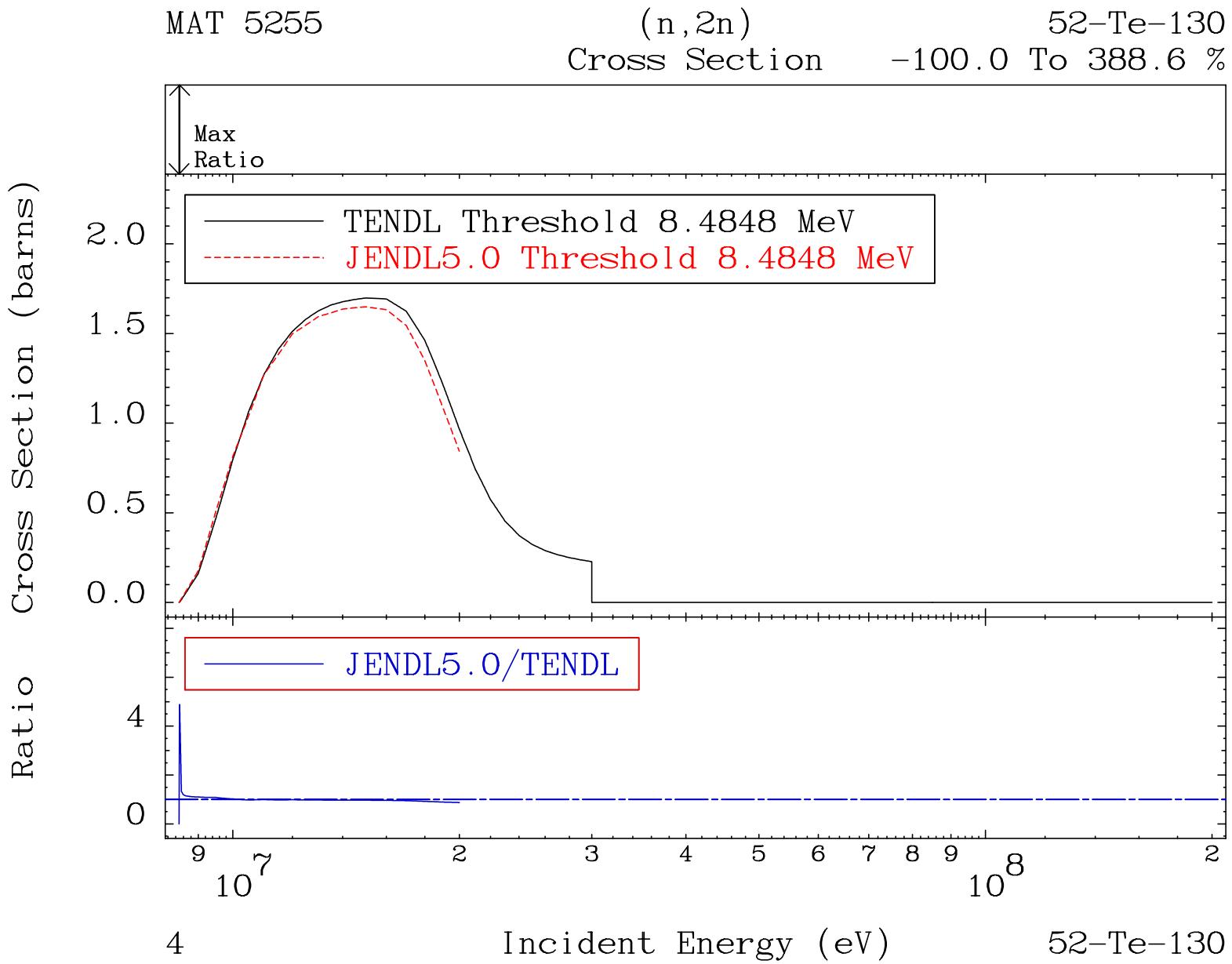
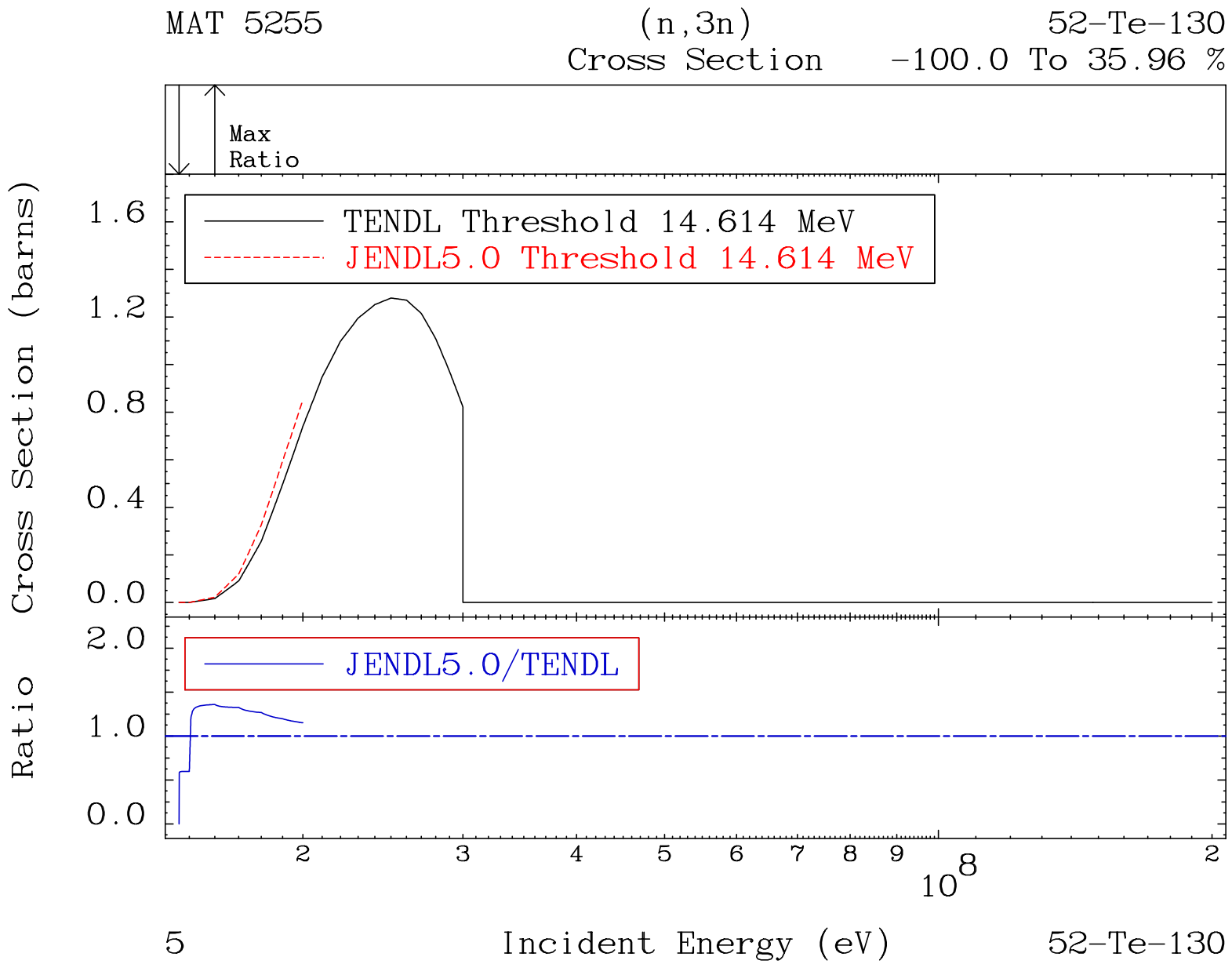
Press Mouse Button to Start

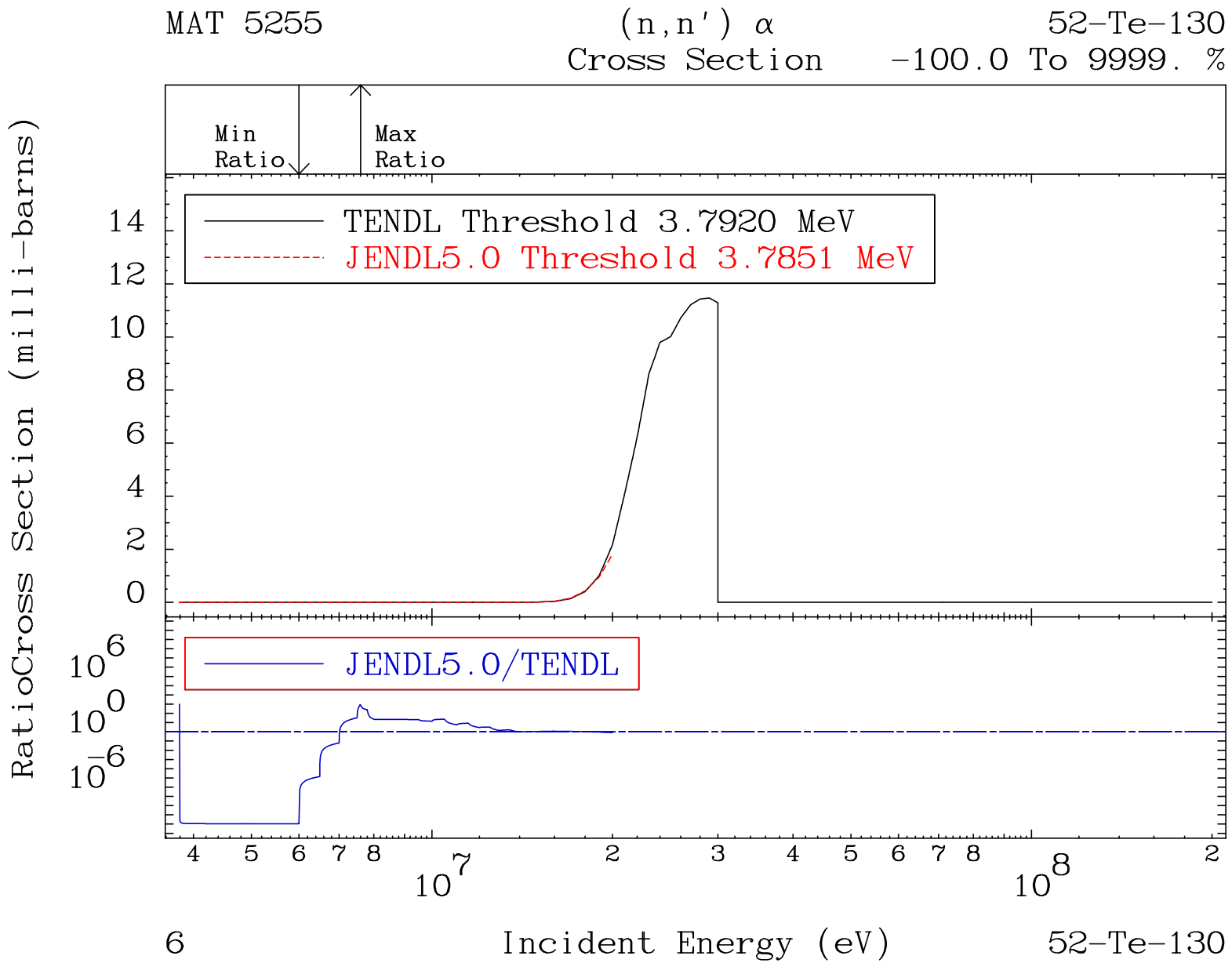

MAT 5255
Total
Cross Section
52-Te-130
-99.95 To 4427. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-130

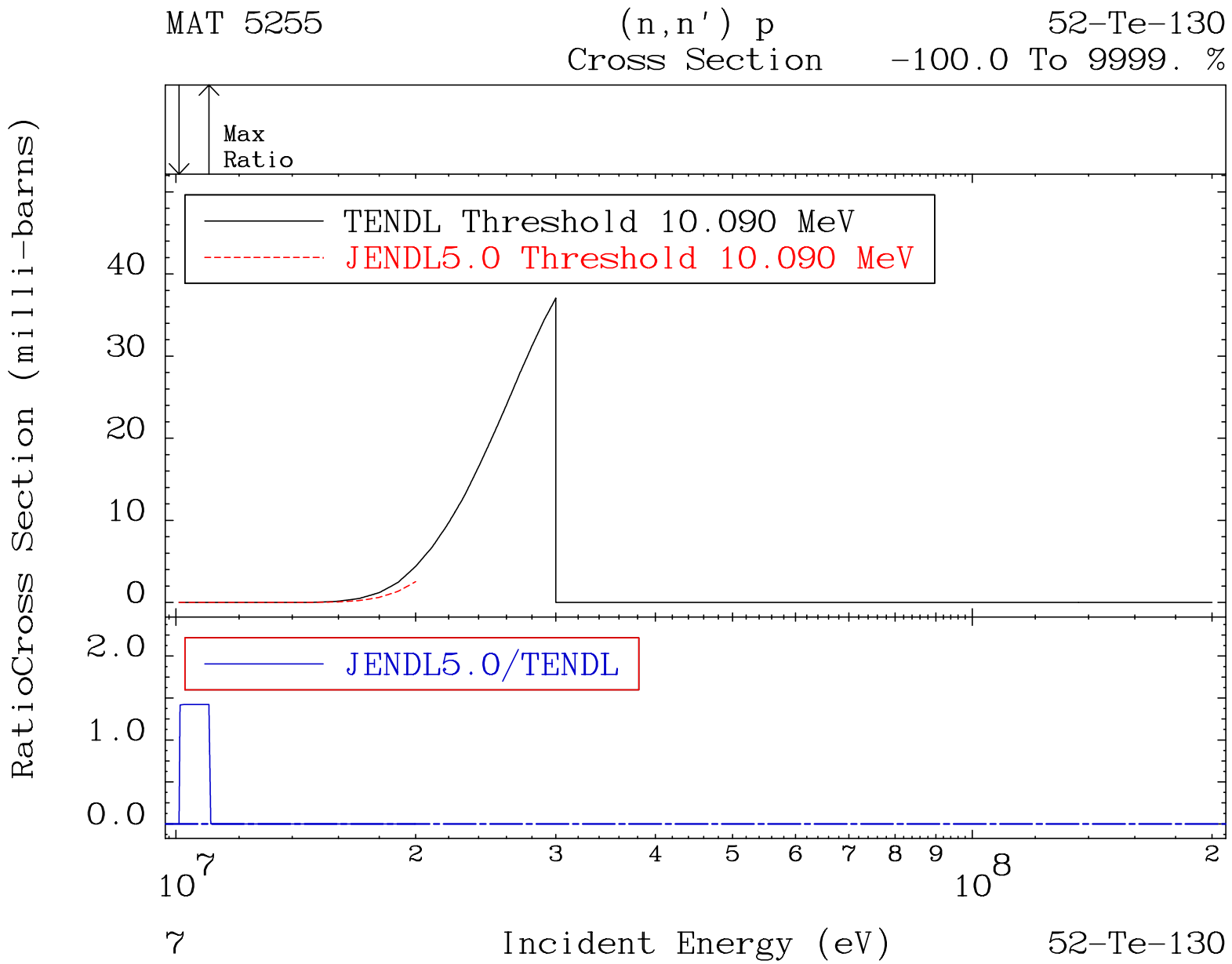

MAT 5255
Elastic
Cross Section
52-Te-130
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-130

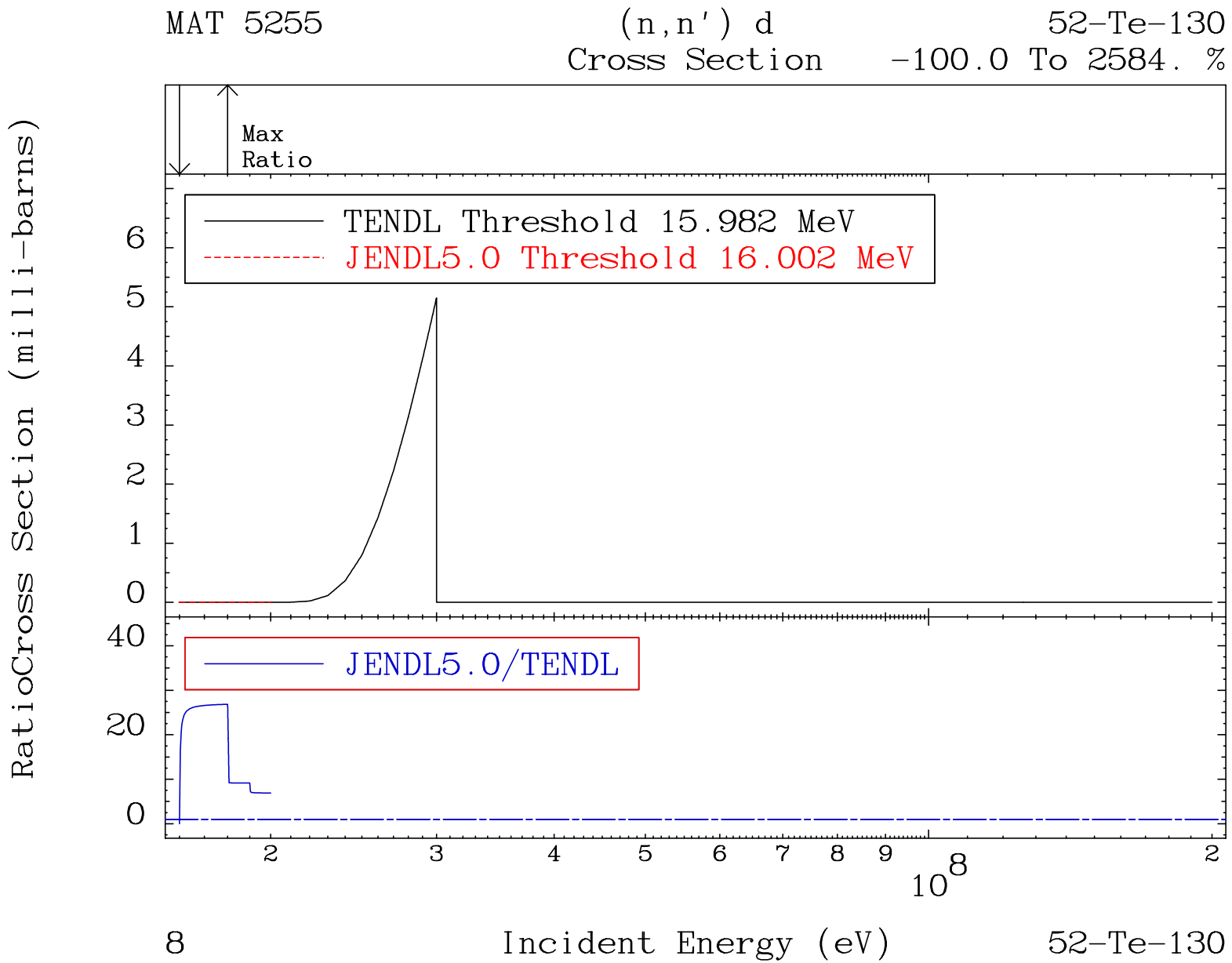

MAT 5255
Inelastic
Cross Section
52-Te-130
-36.51 To 0.535 %
Max
Ratio
Min
Ratio
TENDL Threshold 846.01 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
1.0
0.8
0.6
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
52-Te-130

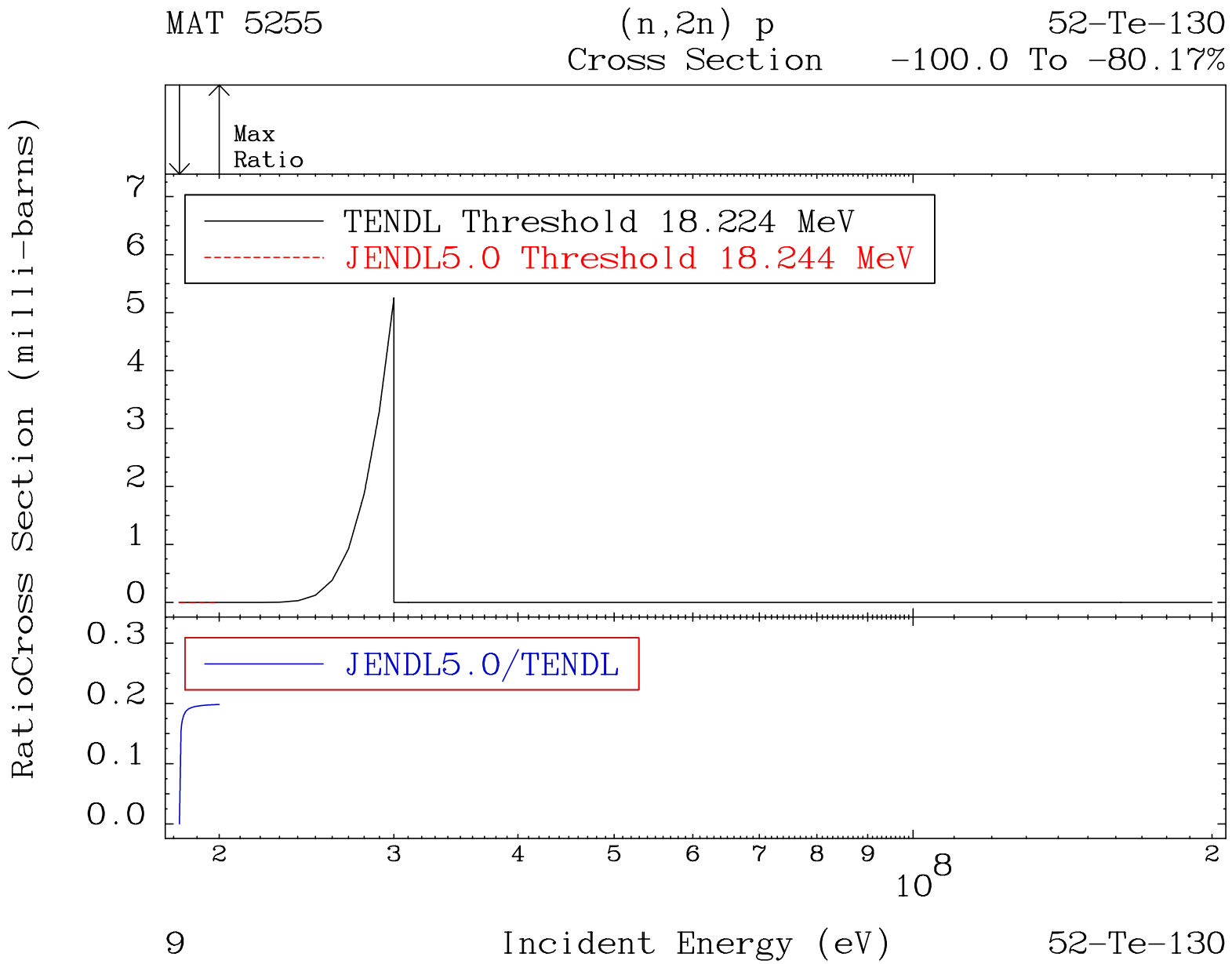

MAT 5255
(n,2n)
Cross Section
52-Te-130
-100.0 To 388.6 %
Max
Ratio
TENDL Threshold 8.4848 MeV
JENDL5.0 Threshold 8.4848 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
52-Te-130

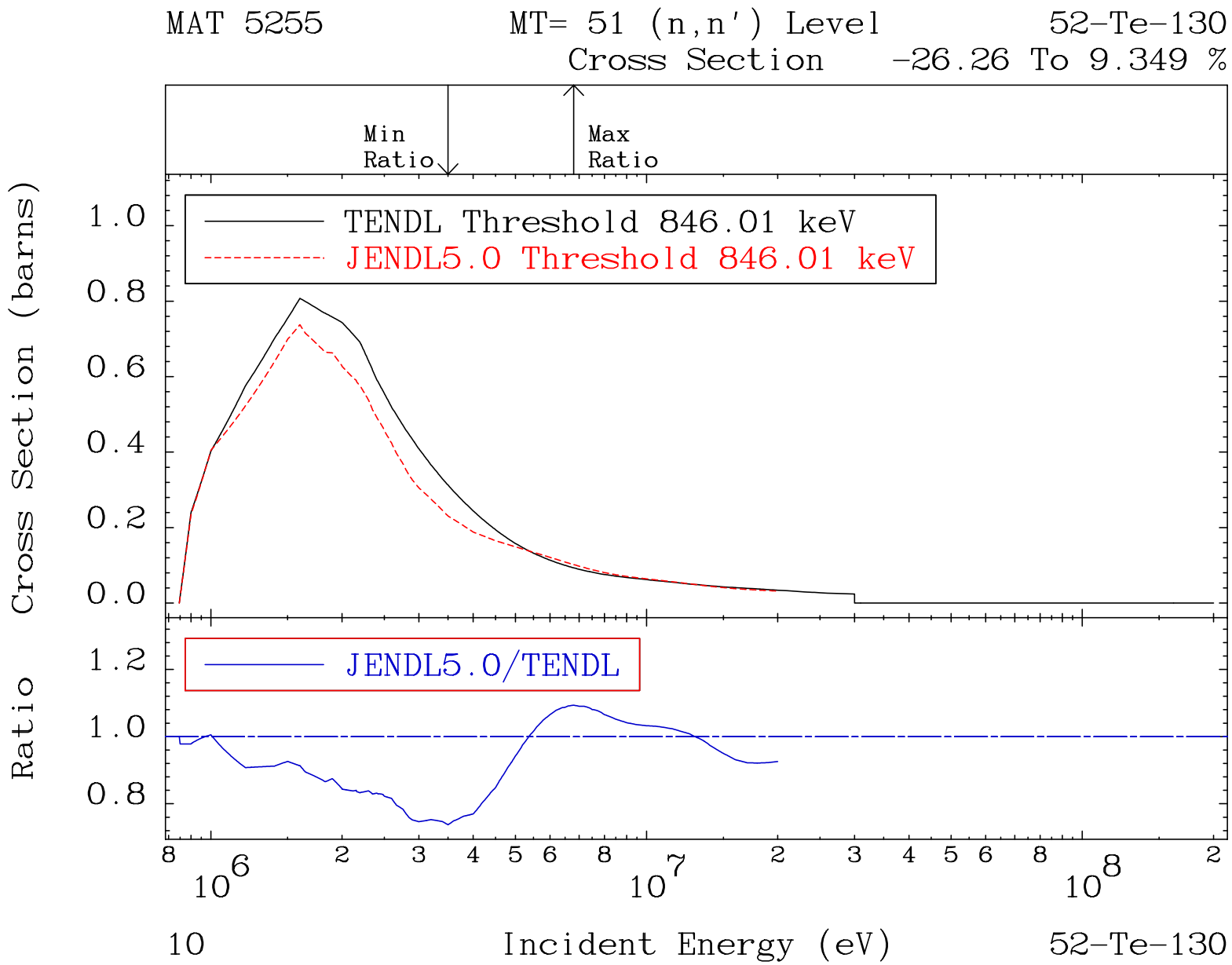

MAT 5255
(n,3n)
Cross Section
52-Te-130
-100.0 To 35.96 %
Max
Ratio
TENDL Threshold 14.614 MeV
JENDL5.0 Threshold 14.614 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-130

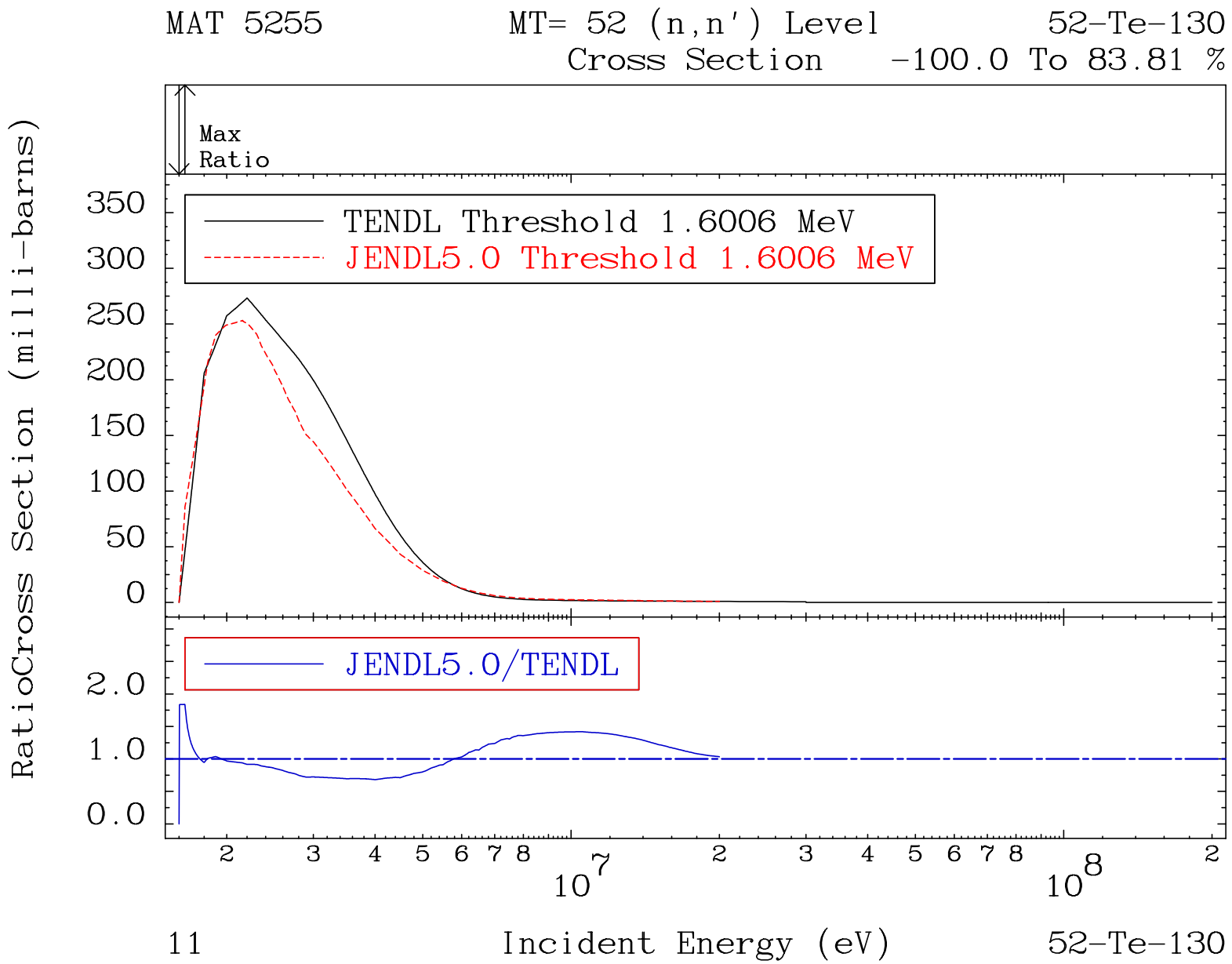

MAT 5255
(n,n') α
Cross Section
52-Te-130
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.7920 MeV
JENDL5.0 Threshold 3.7851 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
6
52-Te-130

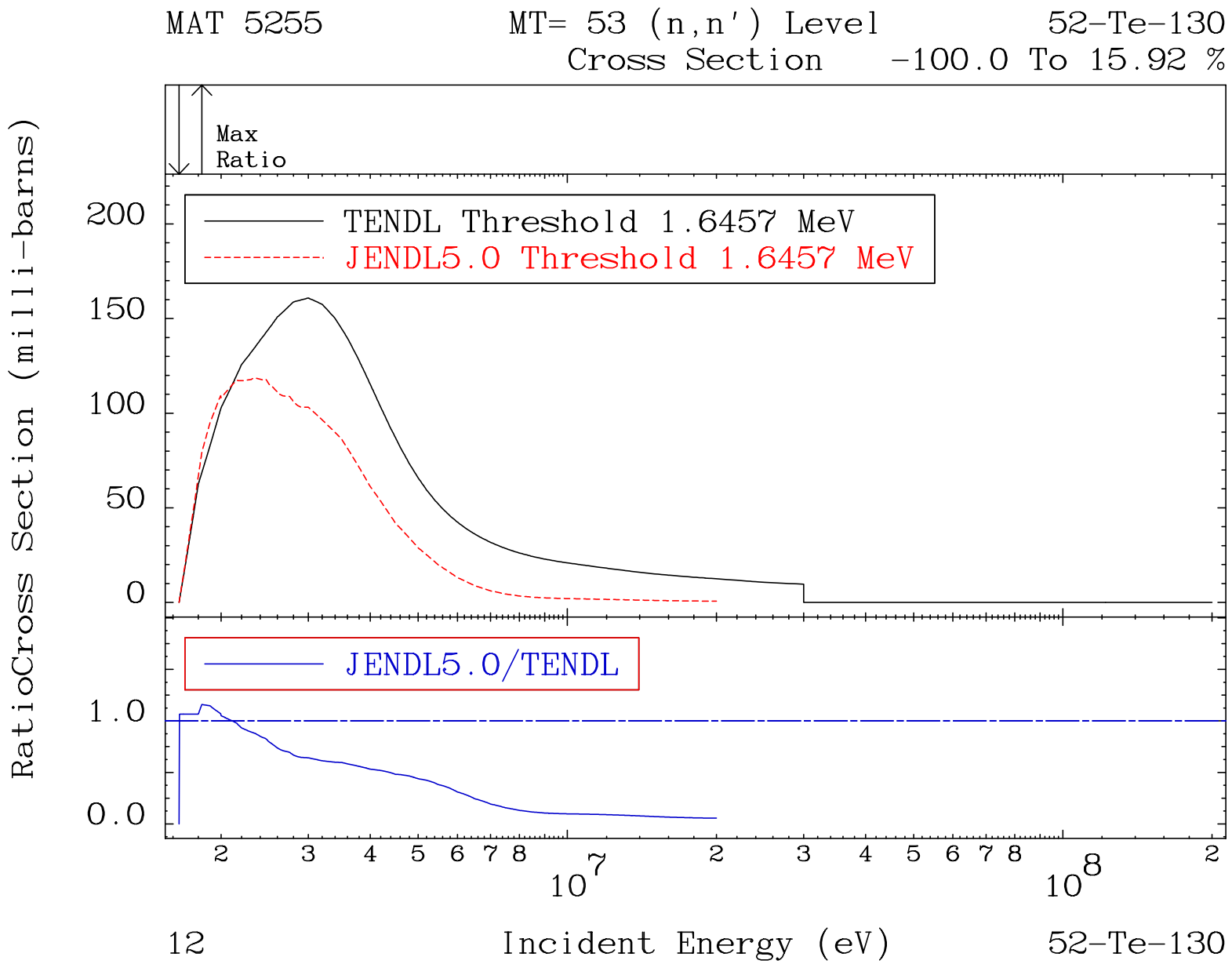

MAT 5255
(n,n') p
Cross Section
52-Te-130
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.090 MeV
JENDL5.0 Threshold 10.090 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
52-Te-130

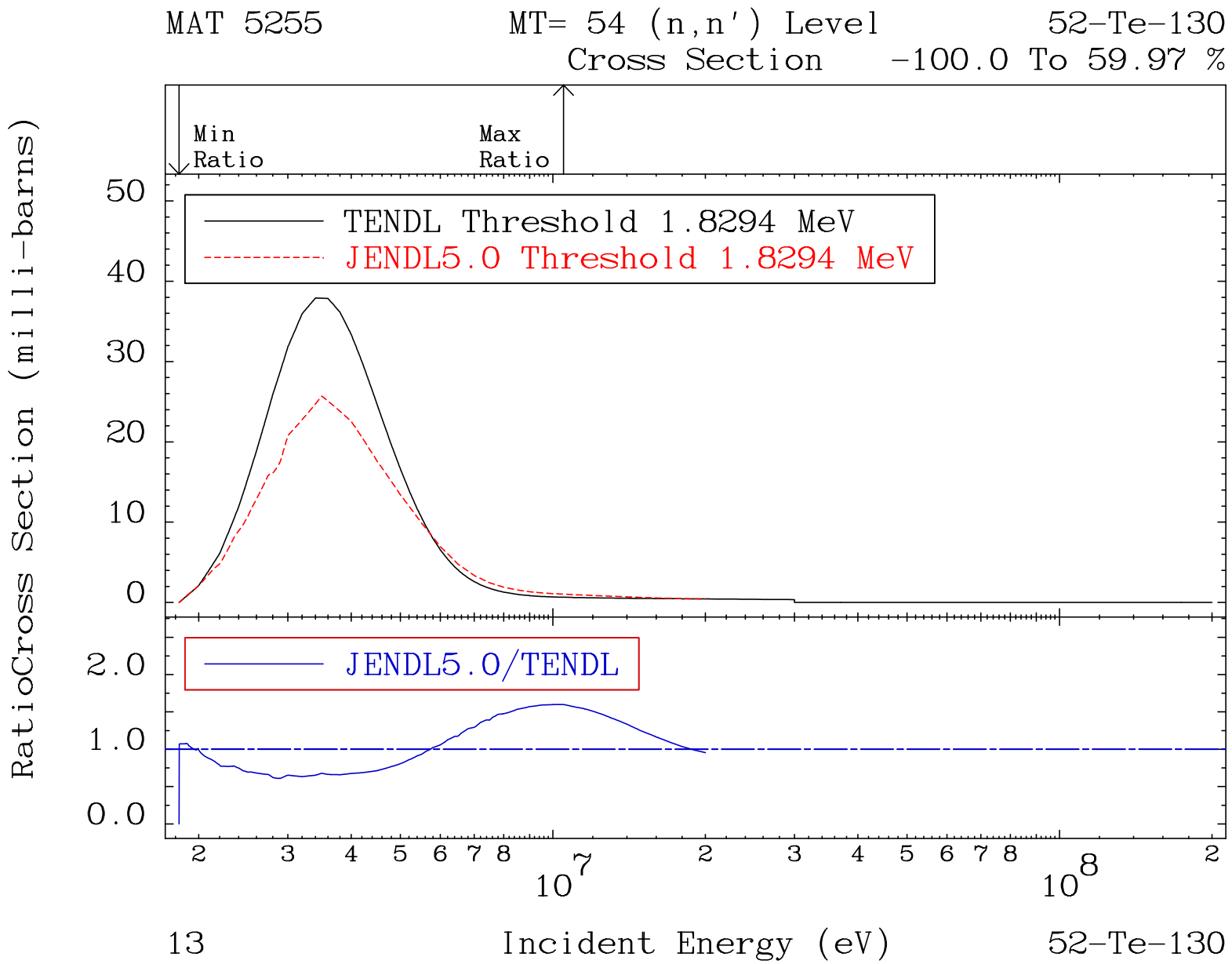

MAT 5255
(n,n') d
Cross Section
52-Te-130
-100.0 To 2584. %
Max
Ratio
TENDL Threshold 15.982 MeV
JENDL5.0 Threshold 16.002 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
52-Te-130

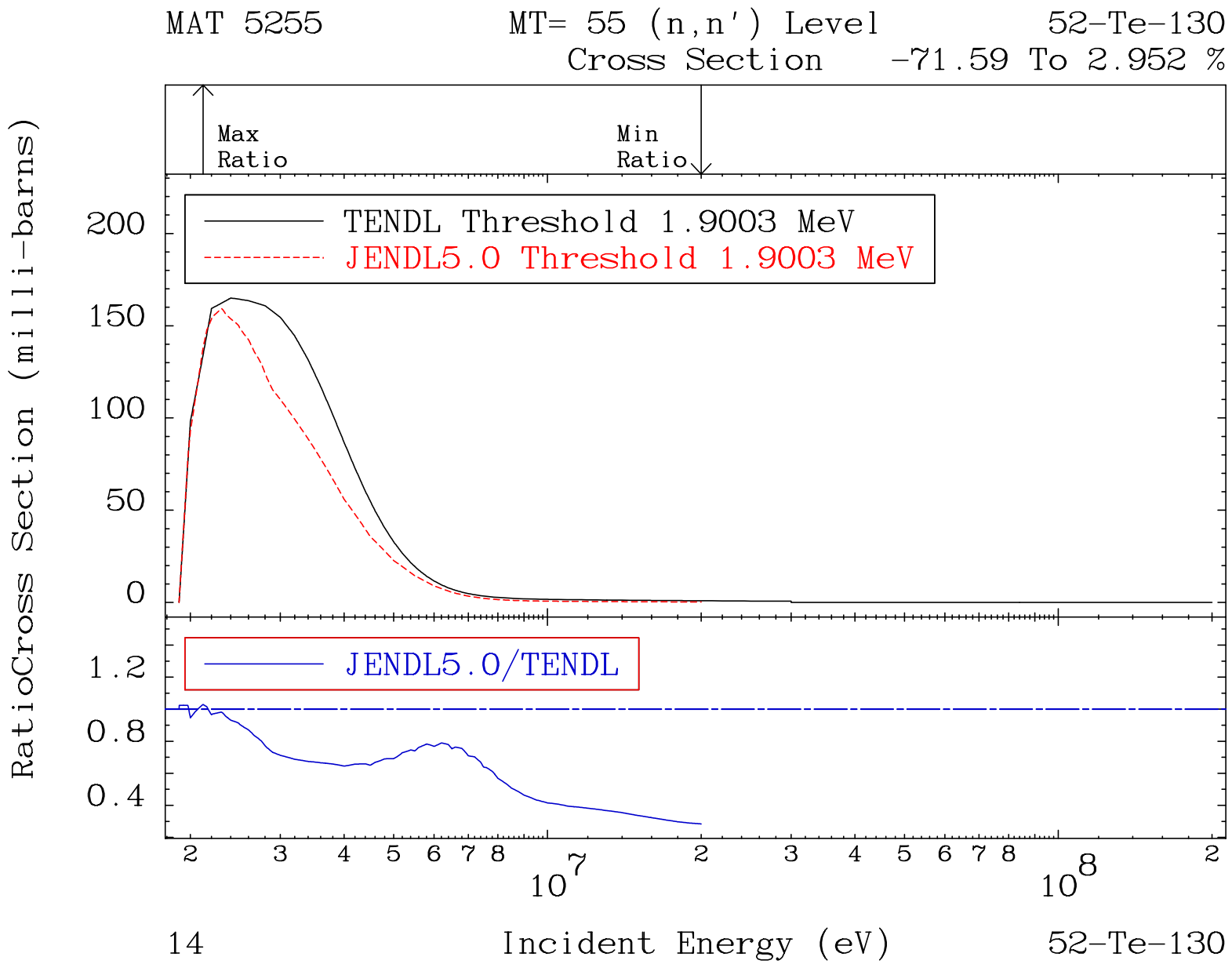

MAT 5255
(n,2n) p
Cross Section
52-Te-130
-100.0 To -80.17%
Max
Ratio
TENDL Threshold 18.224 MeV
JENDL5.0 Threshold 18.244 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
52-Te-130

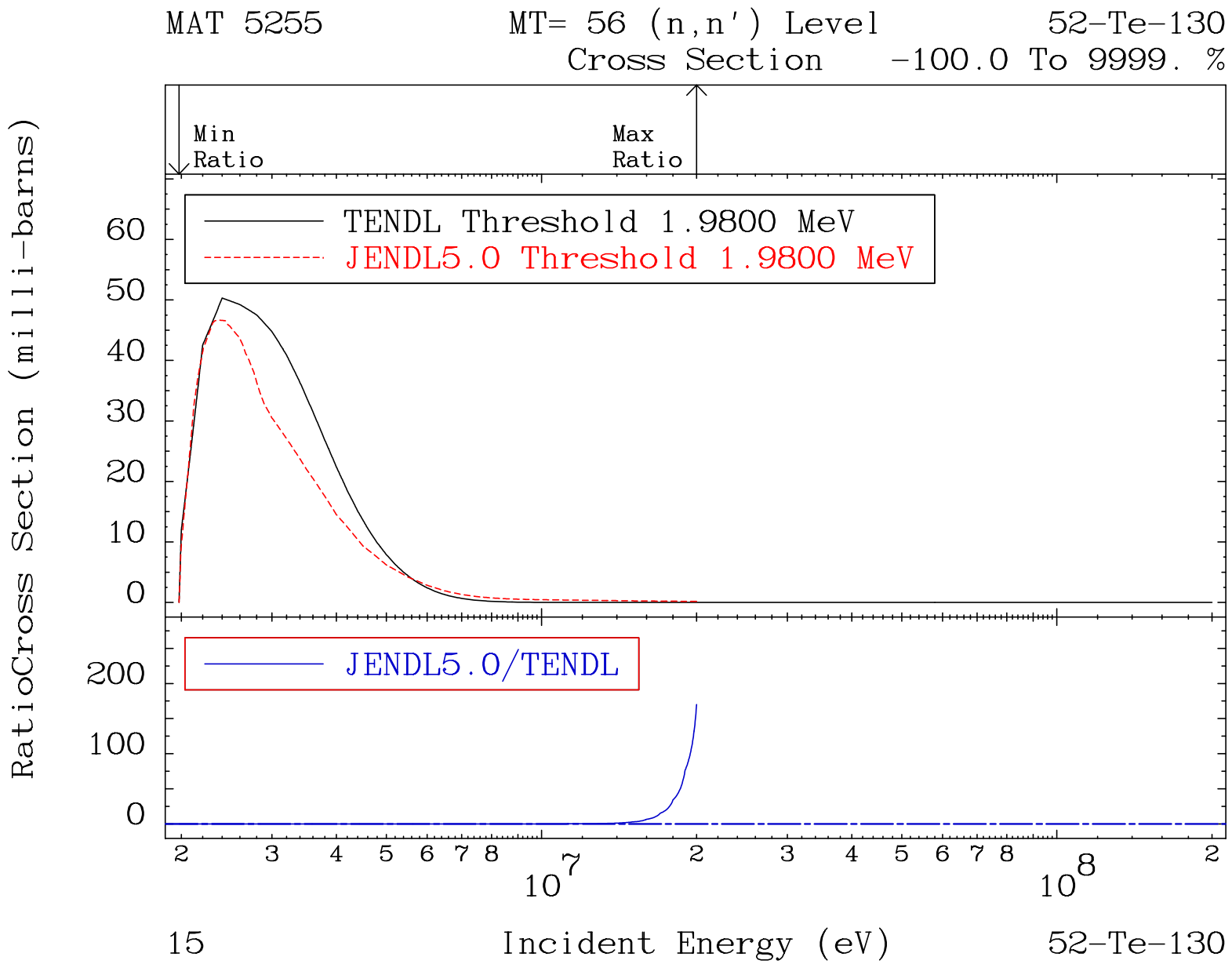

MAT 5255
MT= 51 (n,n') Level
52-Te-130
Cross Section
-26.26 To 9.349 %
Min Ratio
Max Ratio
TENDL Threshold 846.01 keV
JENDL5.0 Threshold 846.01 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52-Te-130

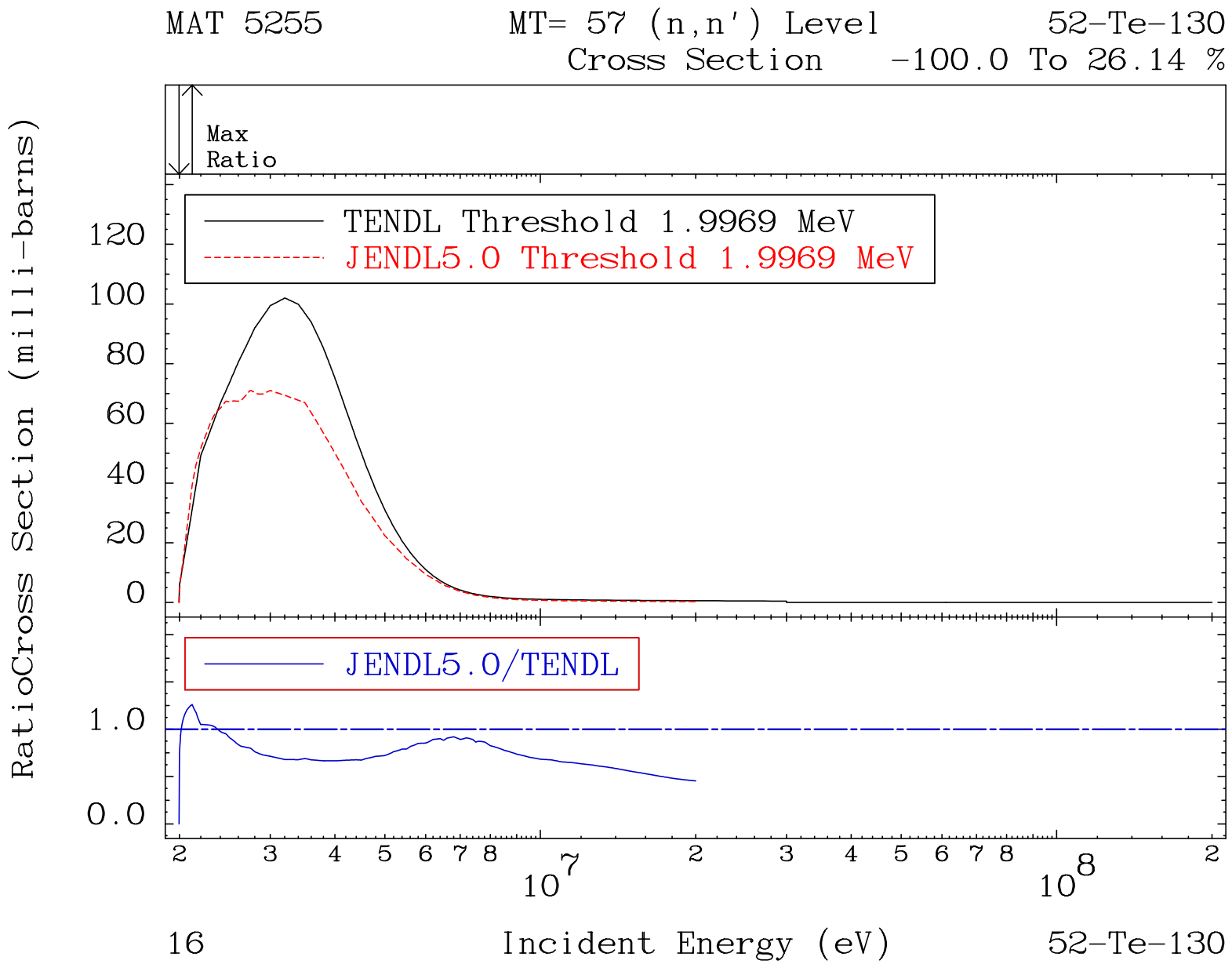

MAT 5255
MT= 52 (n,n') Level
52-Te-130
Cross Section
-100.0 To 83.81 %
Max
Ratio
TENDL Threshold 1.6006 MeV
JENDL5.0 Threshold 1.6006 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
10^7
10^8
11
Incident Energy (eV)
52-Te-130

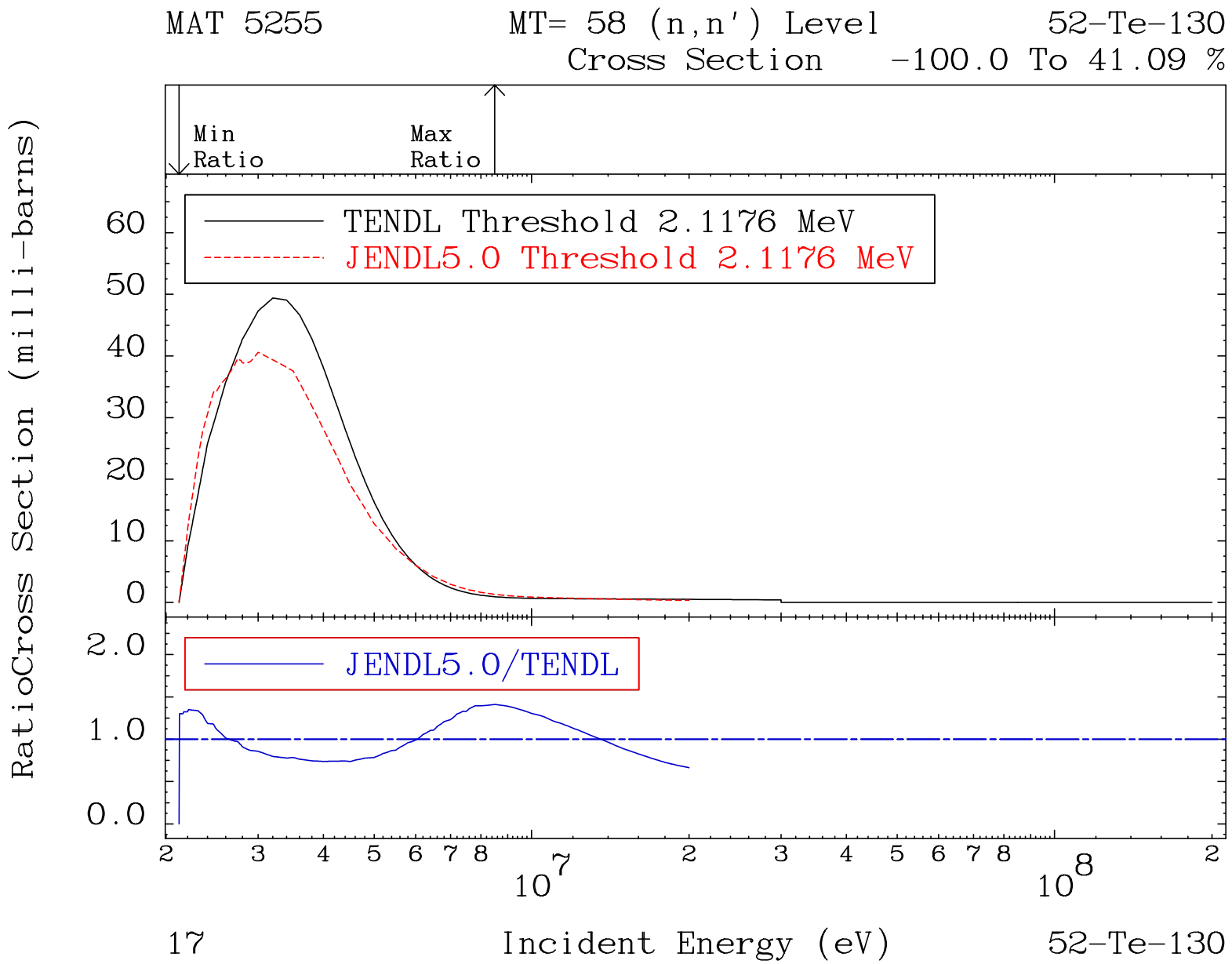

MAT 5255
MT= 53 (n,n') Level
52-Te-130
Cross Section
-100.0 To 15.92 %
Max
Ratio
TENDL Threshold 1.6457 MeV
JENDL5.0 Threshold 1.6457 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
52-Te-130

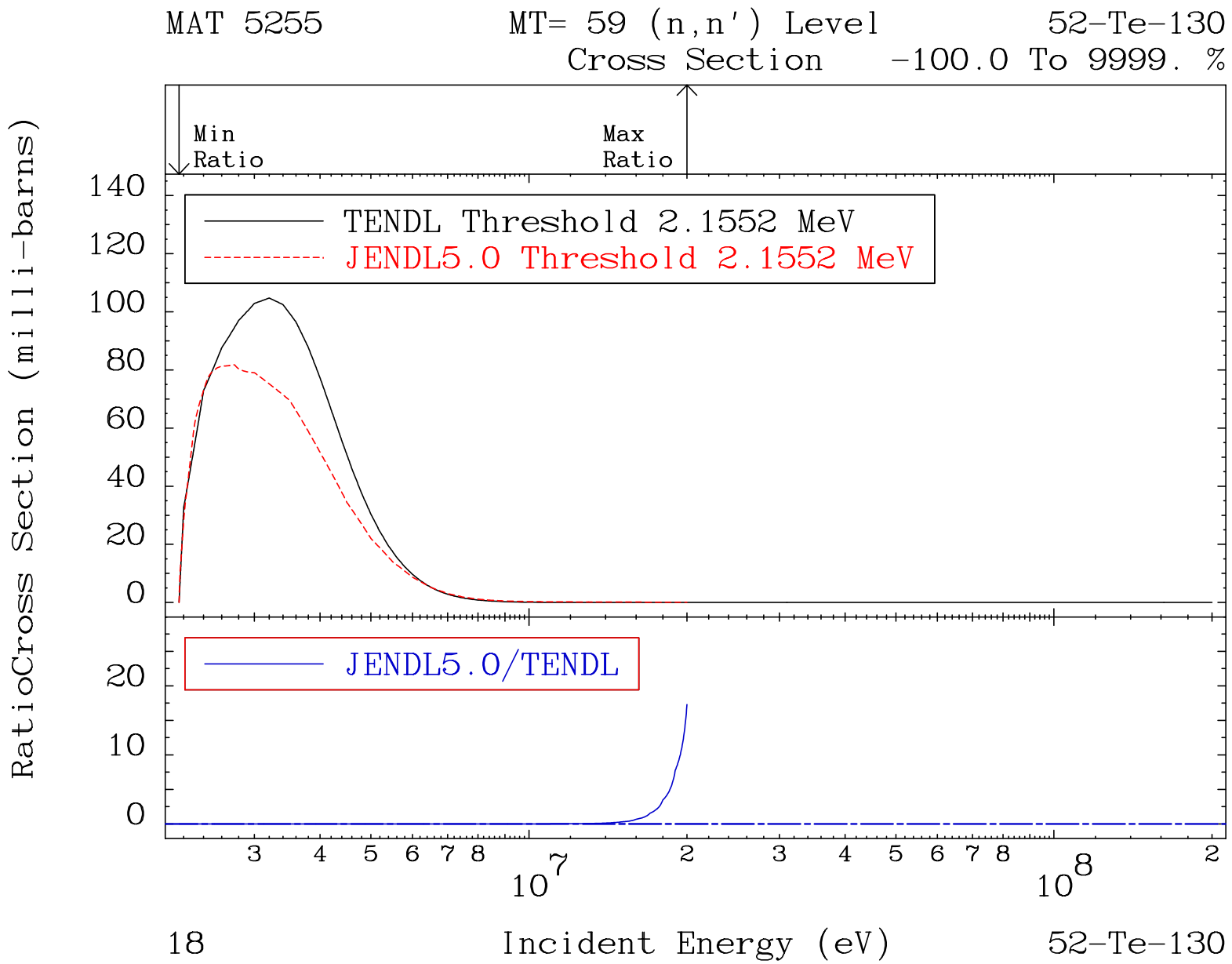

MAT 5255
MT= 54 (n,n') Level
52-Te-130
Cross Section
-100.0 To 59.97 %
Min Ratio
Max Ratio
TENDL Threshold 1.8294 MeV
JENDL5.0 Threshold 1.8294 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
52-Te-130

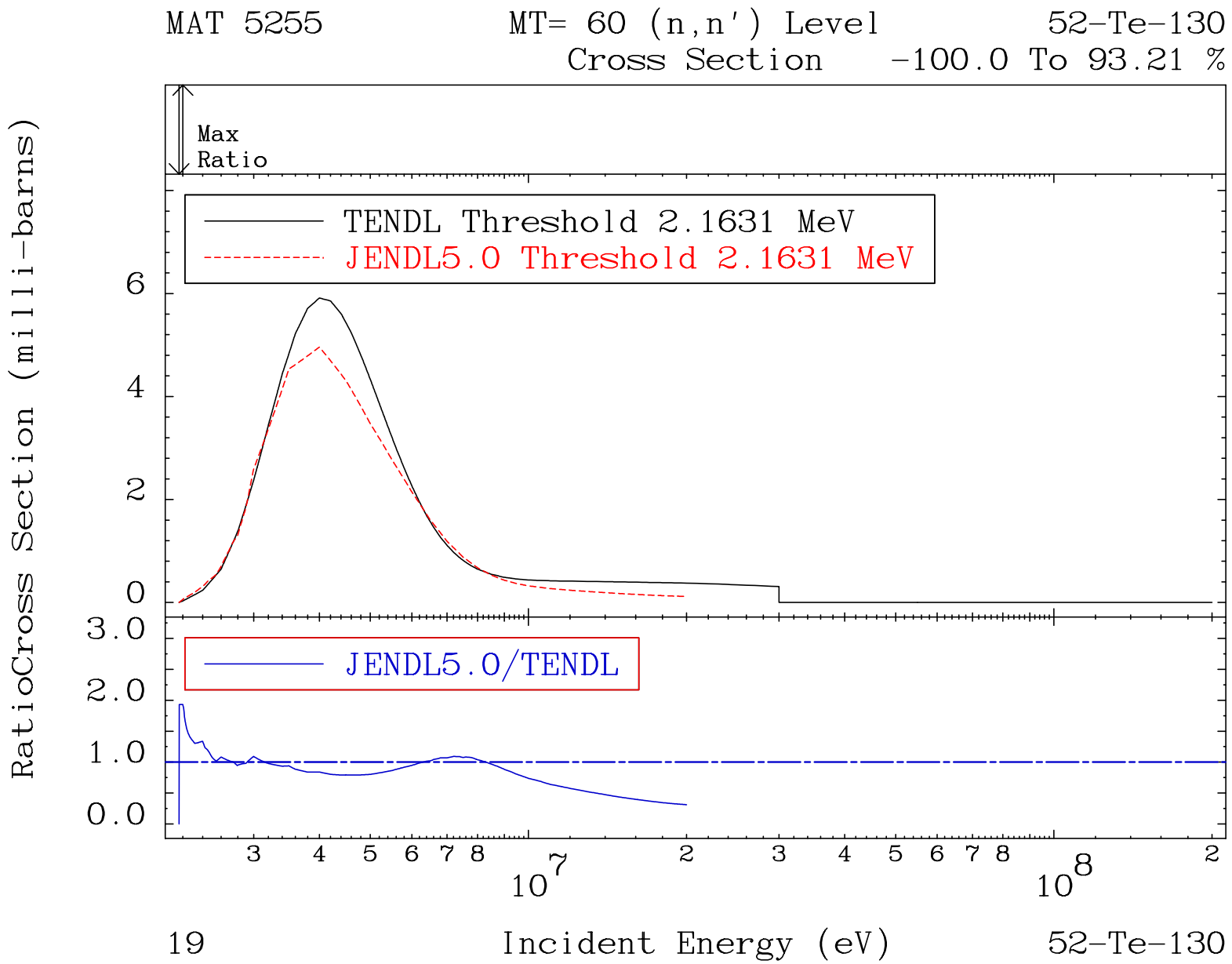

MAT 5255
MT= 55 (n,n') Level
52-Te-130
Cross Section
-71.59 To 2.952 %
Max Ratio
Min Ratio
TENDL Threshold 1.9003 MeV
JENDL5.0 Threshold 1.9003 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
52-Te-130

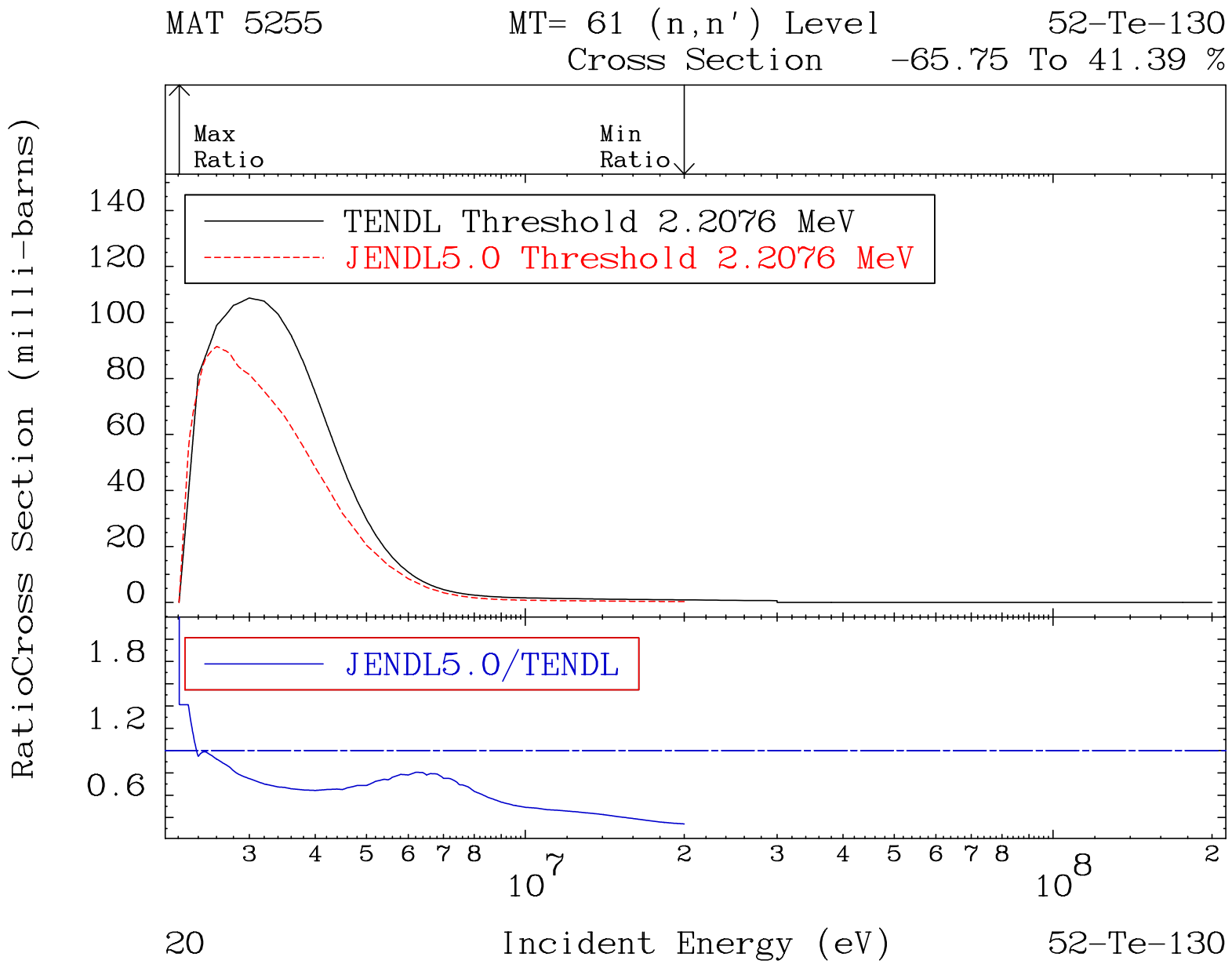

MAT 5255
MT= 56 (n,n') Level
52-Te-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.9800 MeV
JENDL5.0 Threshold 1.9800 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
52-Te-130

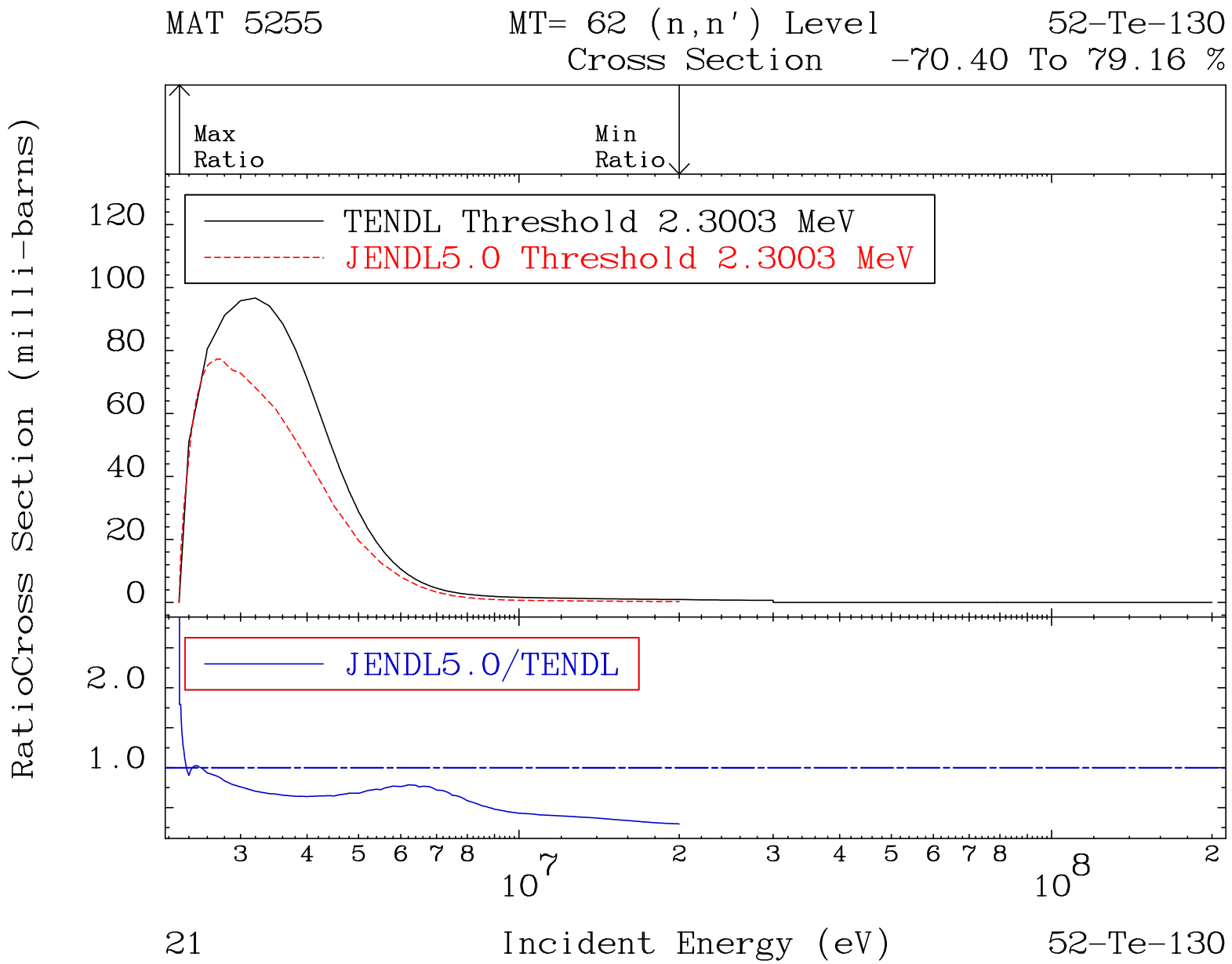

MAT 5255
MT= 57 (n,n') Level
52-Te-130
Cross Section
-100.0 To 26.14 %
Max
Ratio
TENDL Threshold 1.9969 MeV
JENDL5.0 Threshold 1.9969 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
52-Te-130

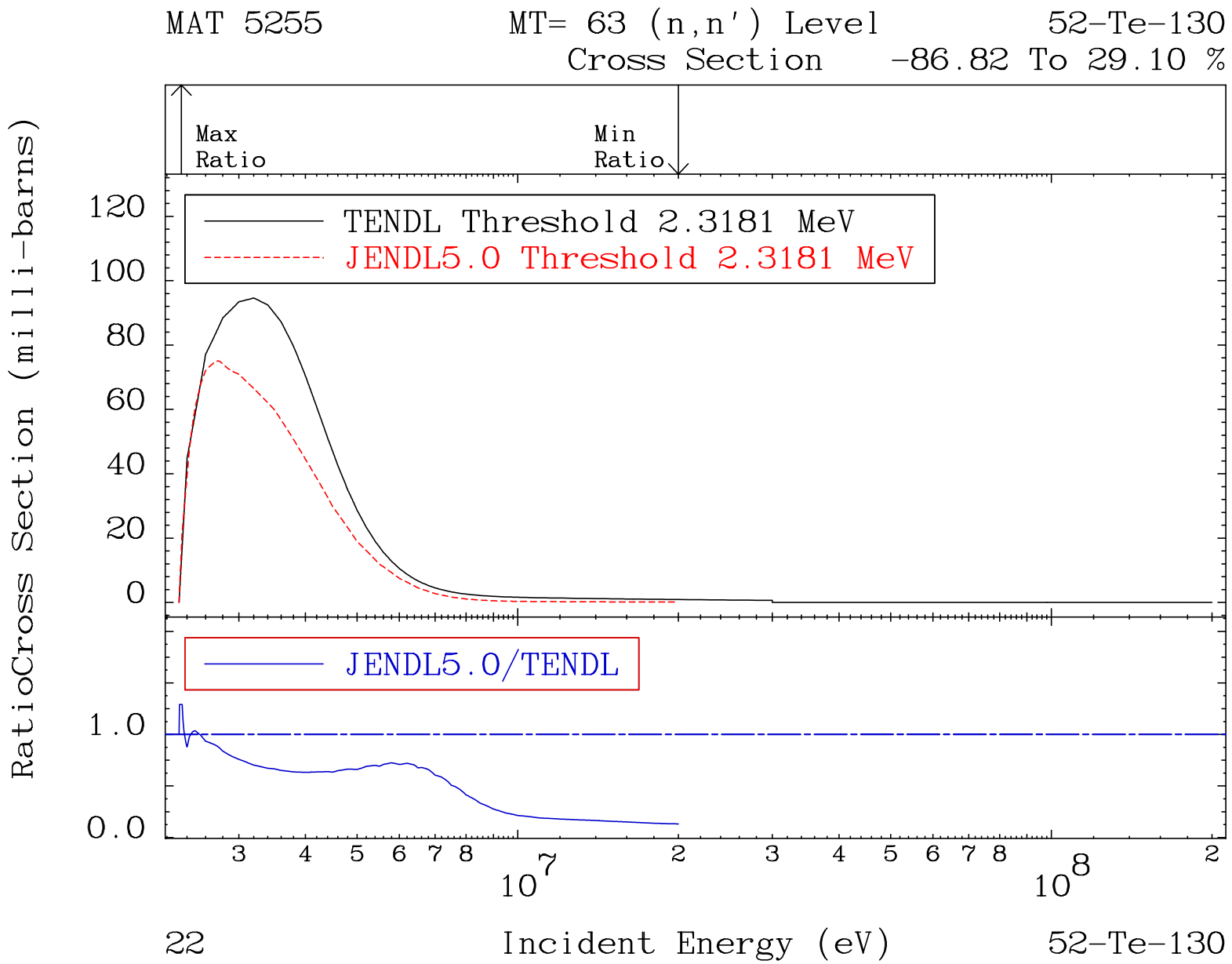

MAT 5255
MT= 58 (n,n') Level
52-Te-130
Cross Section
-100.0 To 41.09 %
Min Ratio
Max Ratio
TENDL Threshold 2.1176 MeV
JENDL5.0 Threshold 2.1176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
52-Te-130

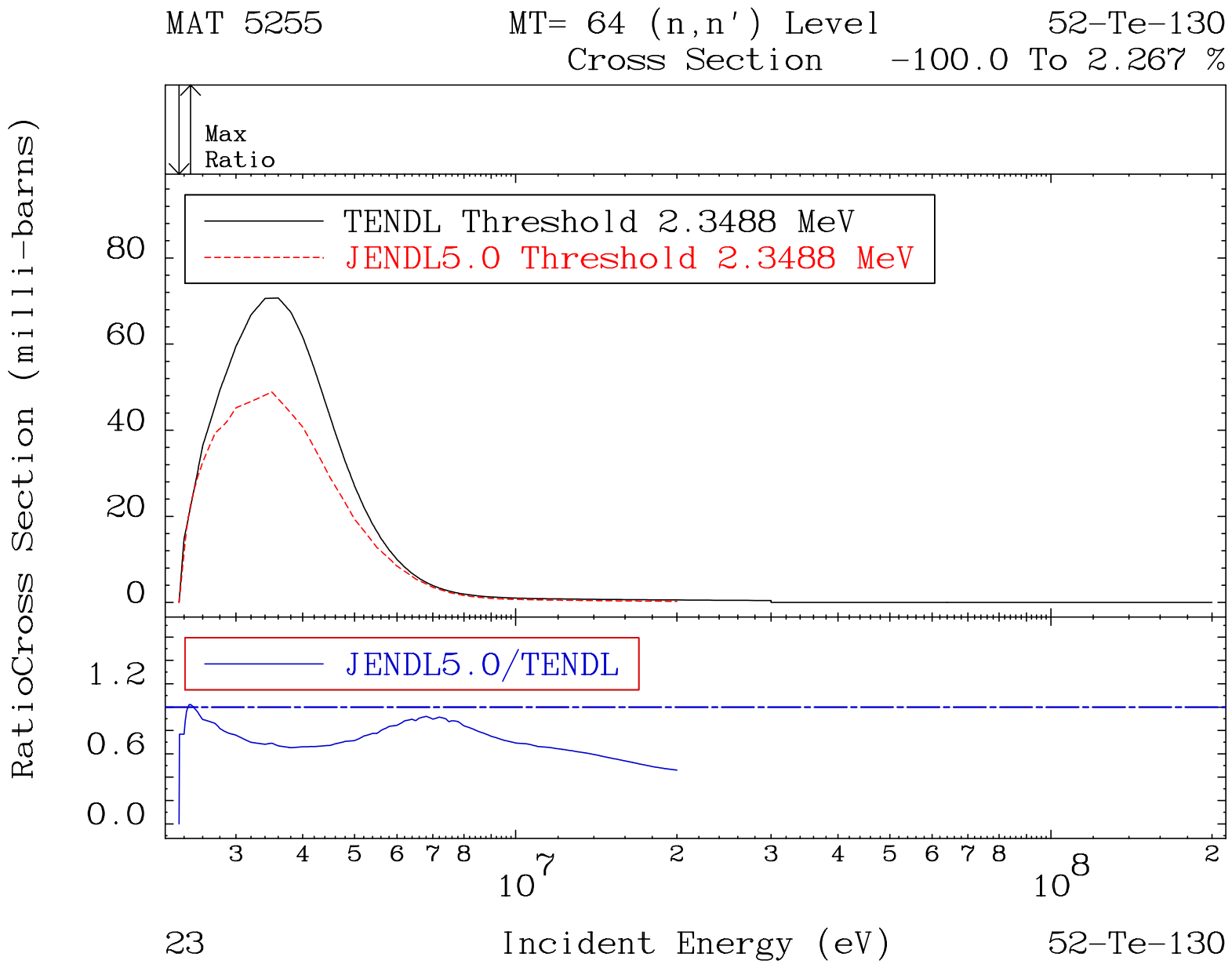

MAT 5255
MT= 59 (n,n') Level
52-Te-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1552 MeV
JENDL5.0 Threshold 2.1552 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
52-Te-130

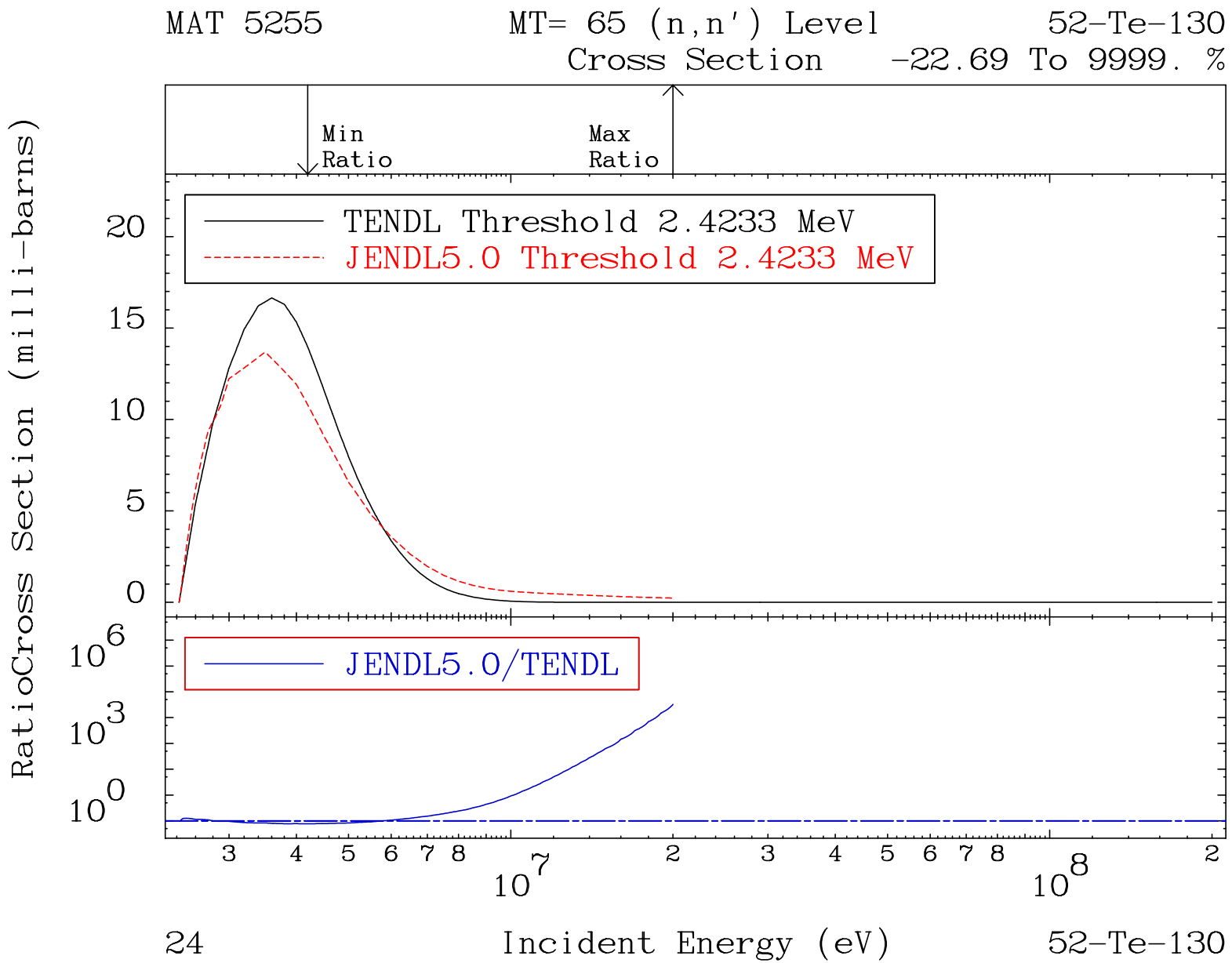

MAT 5255
MT= 60 (n,n') Level
52-Te-130
Cross Section
-100.0 To 93.21 %
Max
Ratio
TENDL Threshold 2.1631 MeV
JENDL5.0 Threshold 2.1631 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
52-Te-130

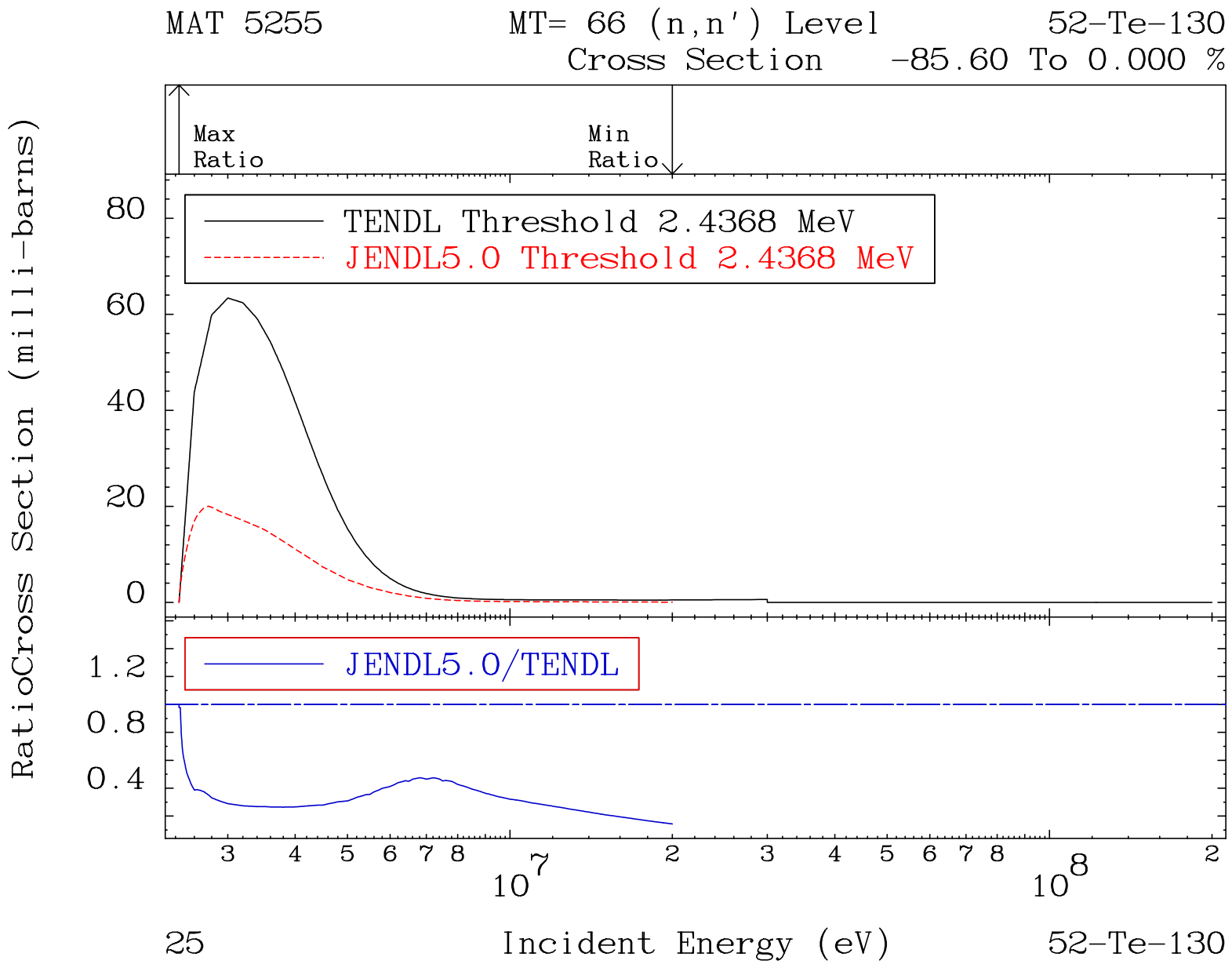

MAT 5255
MT= 61 (n,n') Level
52-Te-130
Cross Section
-65.75 To 41.39 %
Max Ratio
Min Ratio
TENDL Threshold 2.2076 MeV
JENDL5.0 Threshold 2.2076 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.8
1.2
0.6
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
52-Te-130

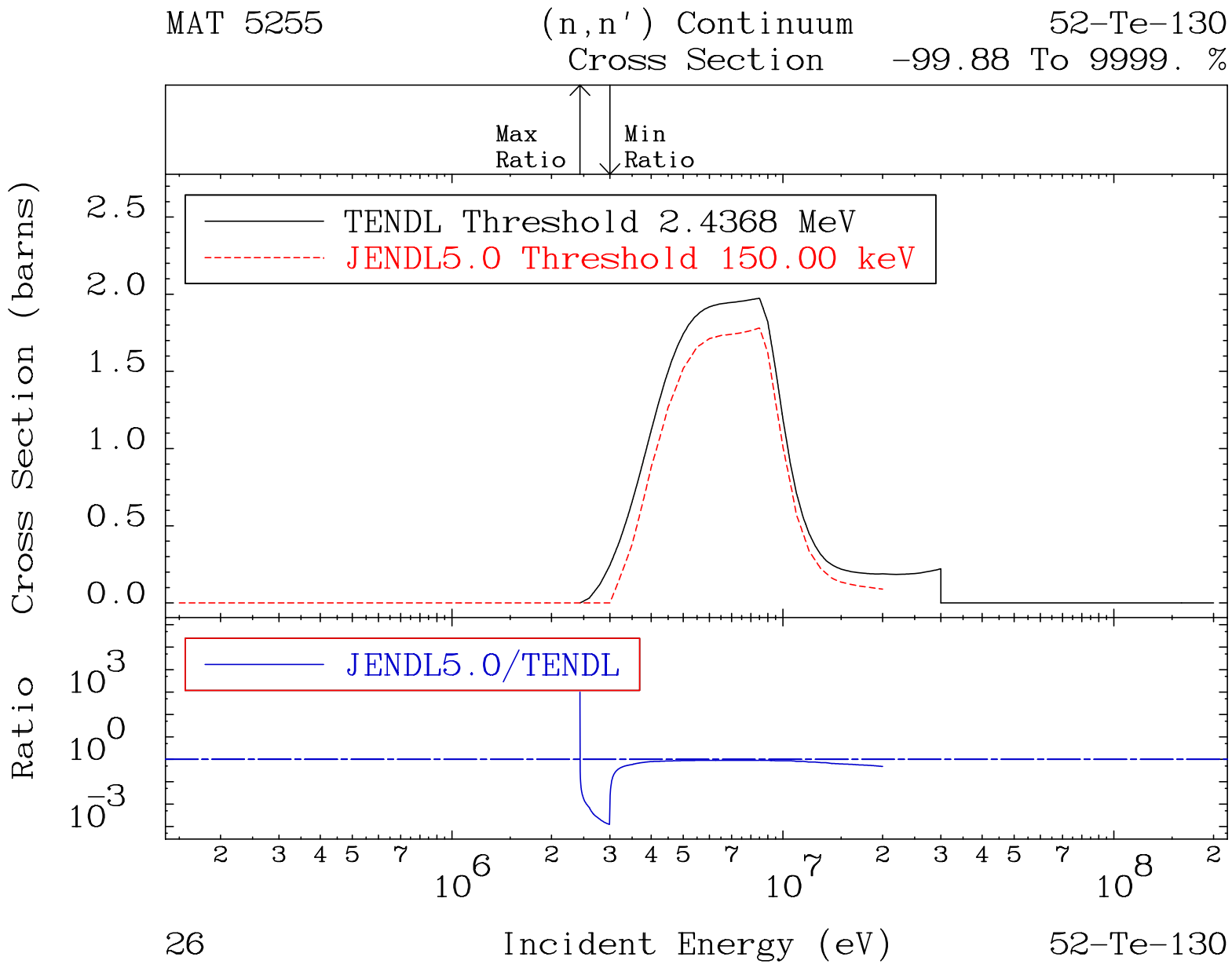

MAT 5255
MT= 62 (n,n') Level
52-Te-130
Cross Section
-70.40 To 79.16 %
Max Ratio
Min Ratio
TENDL Threshold 2.3003 MeV
JENDL5.0 Threshold 2.3003 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
52-Te-130

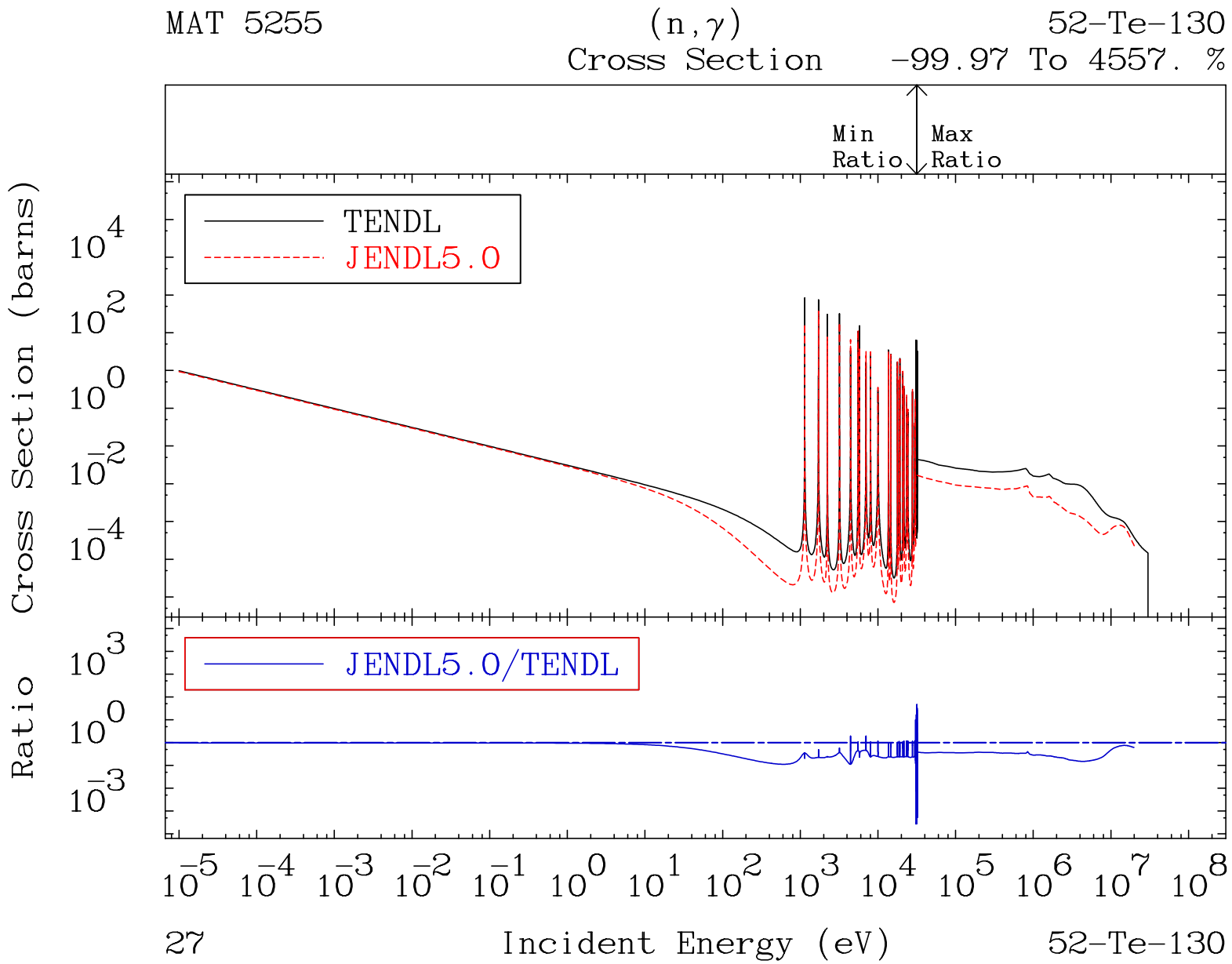

MAT 5255
MT= 63 (n,n') Level
52-Te-130
Cross Section
-86.82 To 29.10 %
Max Ratio
Min Ratio
TENDL Threshold 2.3181 MeV
JENDL5.0 Threshold 2.3181 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
52-Te-130

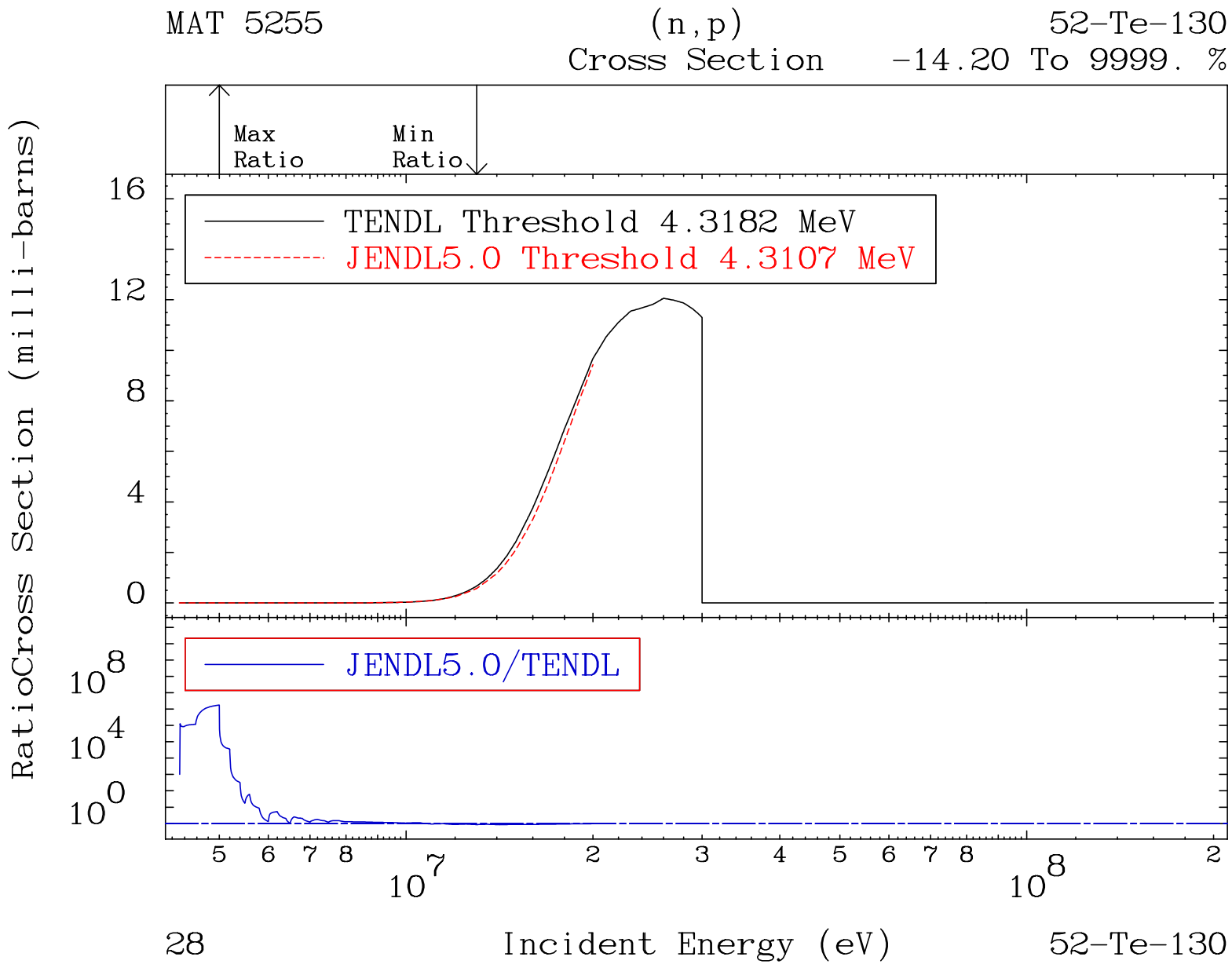

MAT 5255
MT= 64 (n,n') Level
52-Te-130
Cross Section
-100.0 To 2.267 %
Max
Ratio
TENDL Threshold 2.3488 MeV
JENDL5.0 Threshold 2.3488 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
52-Te-130

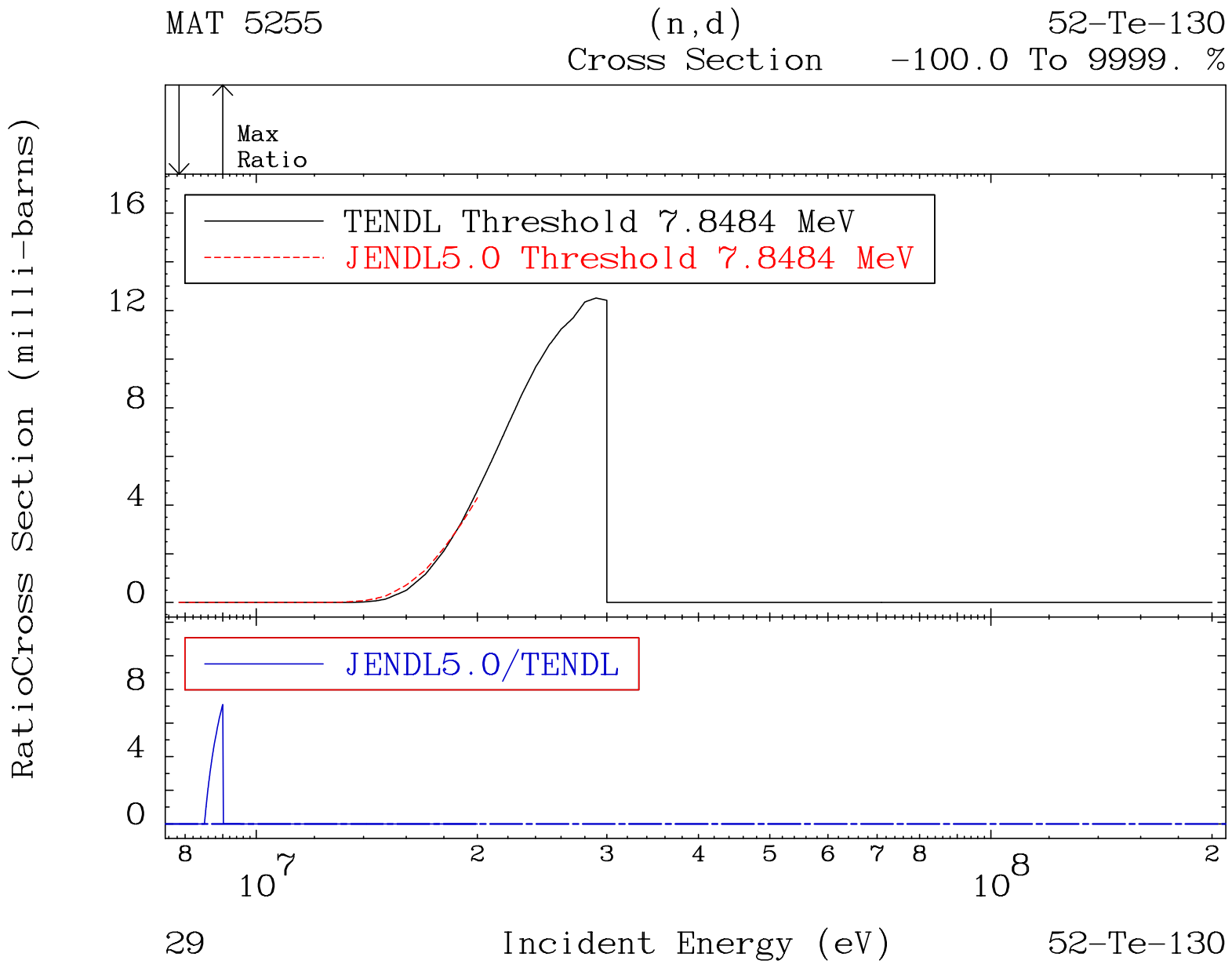

MAT 5255
MT= 65 (n,n') Level
52-Te-130
Cross Section
-22.69 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.4233 MeV
JENDL5.0 Threshold 2.4233 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
52-Te-130

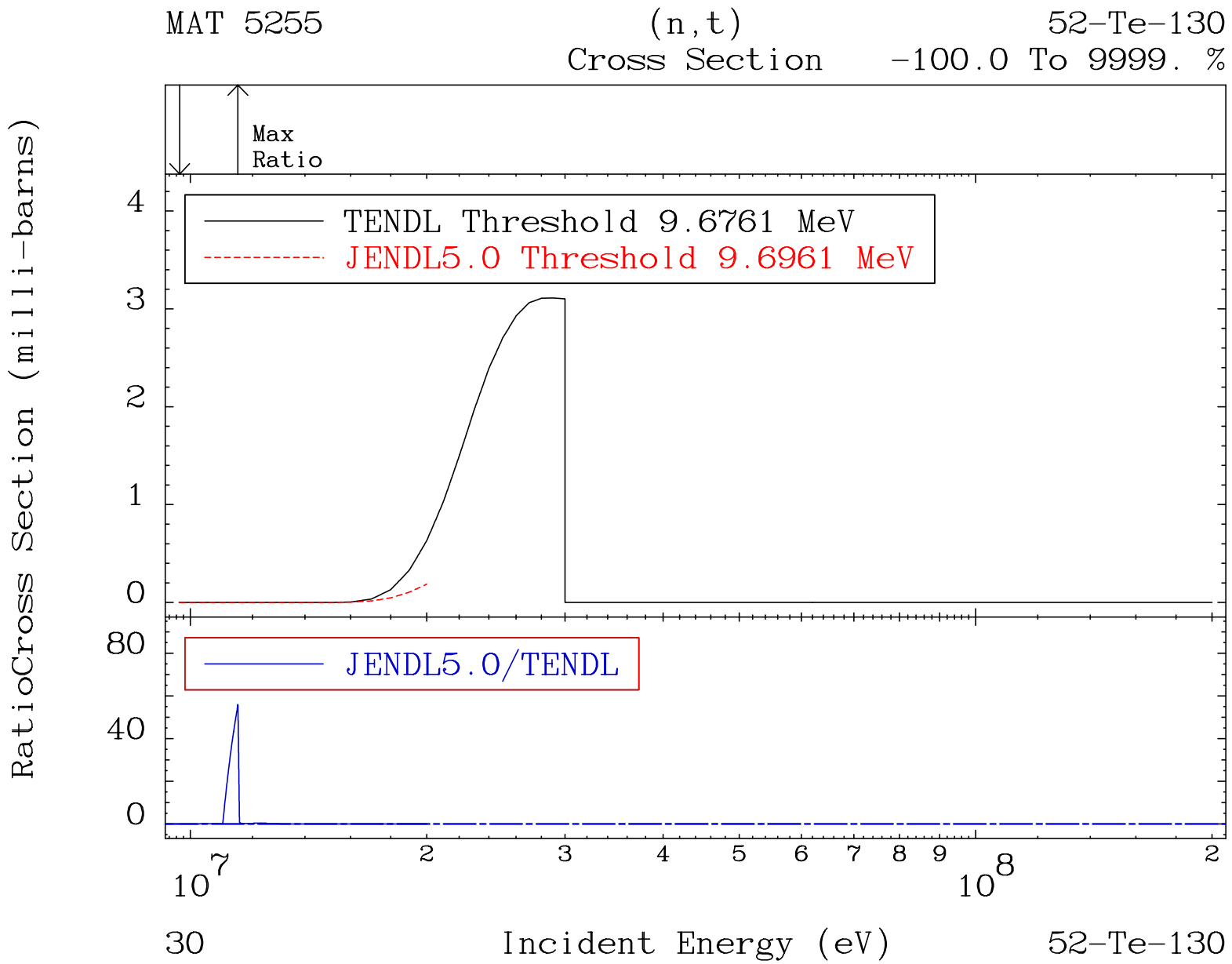

MAT 5255
MT= 66 (n,n') Level
52-Te-130
Cross Section
-85.60 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.4368 MeV
JENDL5.0 Threshold 2.4368 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
0.4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
52-Te-130

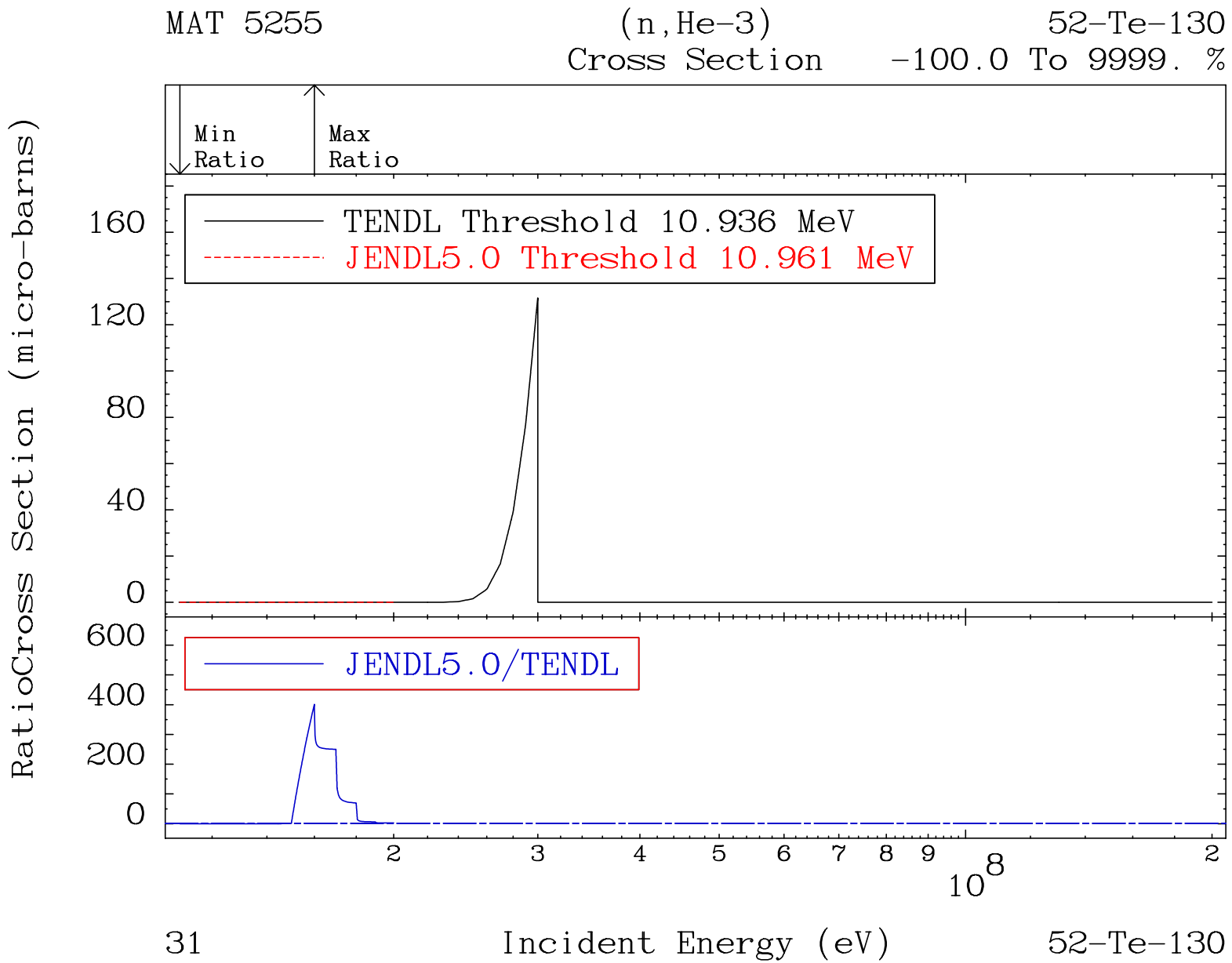

MAT 5255
(n,n') Continuum
Cross Section
52-Te-130
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4368 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
52-Te-130

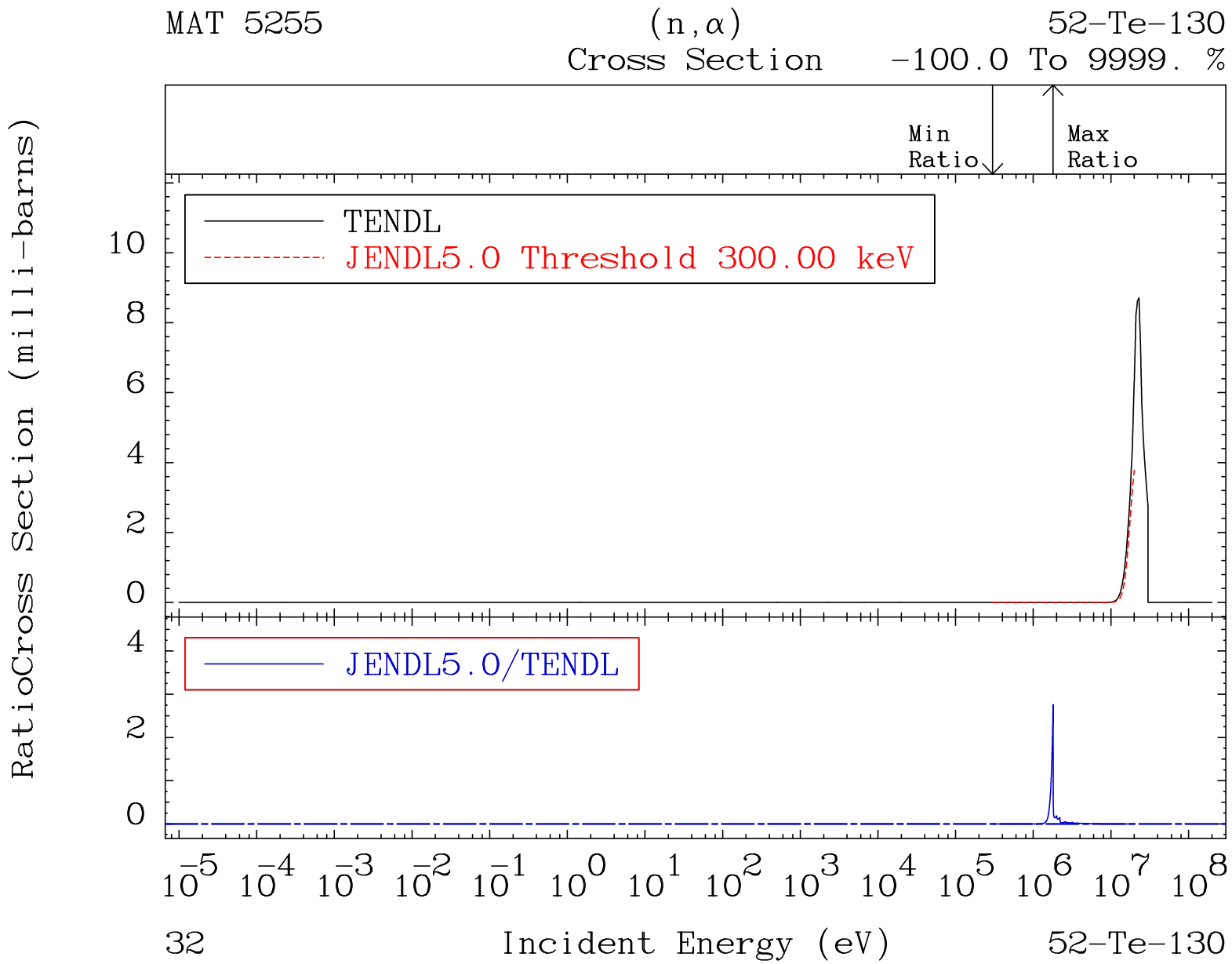

MAT 5255
(n,γ)
52-Te-130
Cross Section
-99.97 To 4557. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
52-Te-130

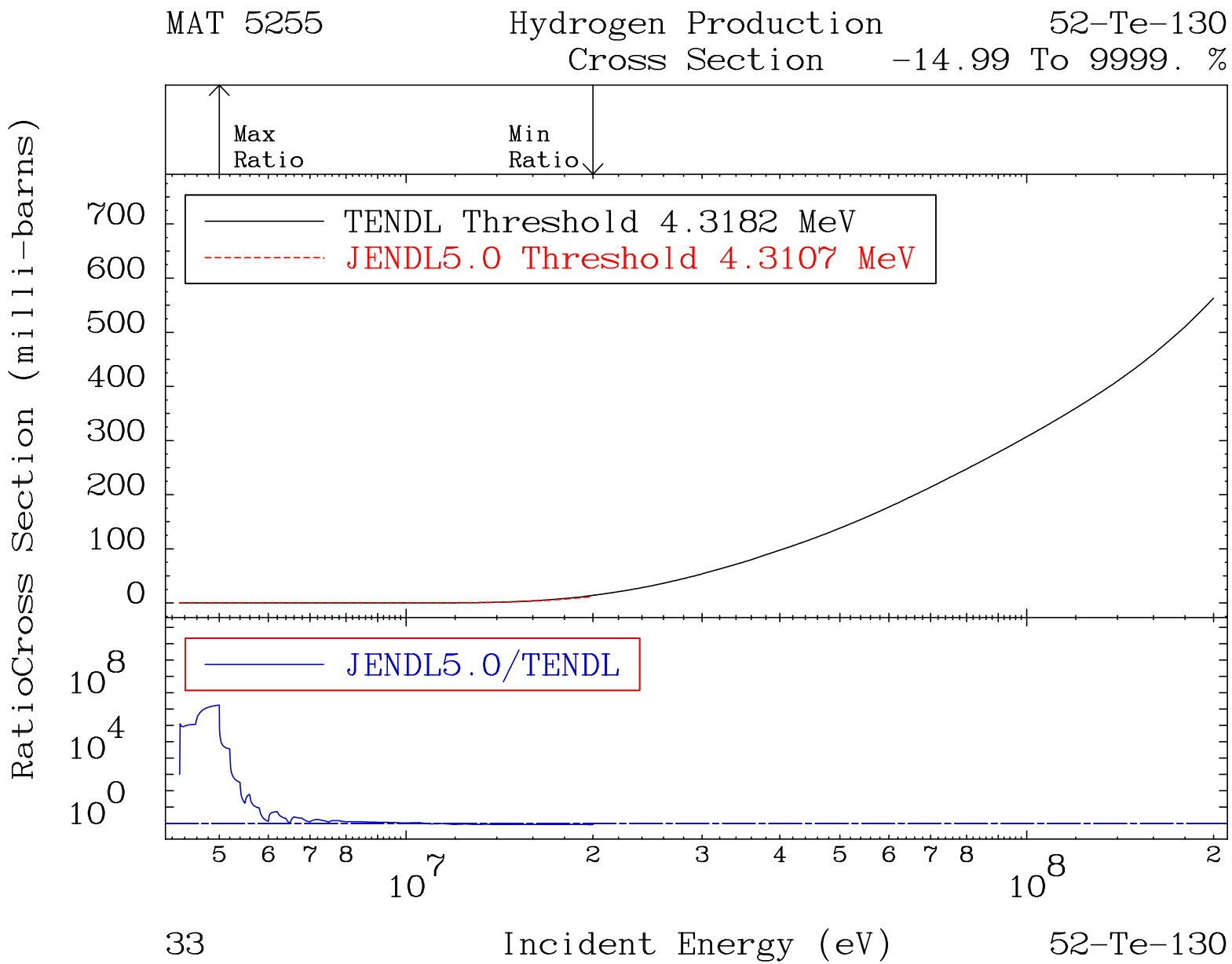

MAT 5255
(n,p)
52-Te-130
Cross Section
-14.20 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.3182 MeV
JENDL5.0 Threshold 4.3107 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^8
10^4
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
52-Te-130

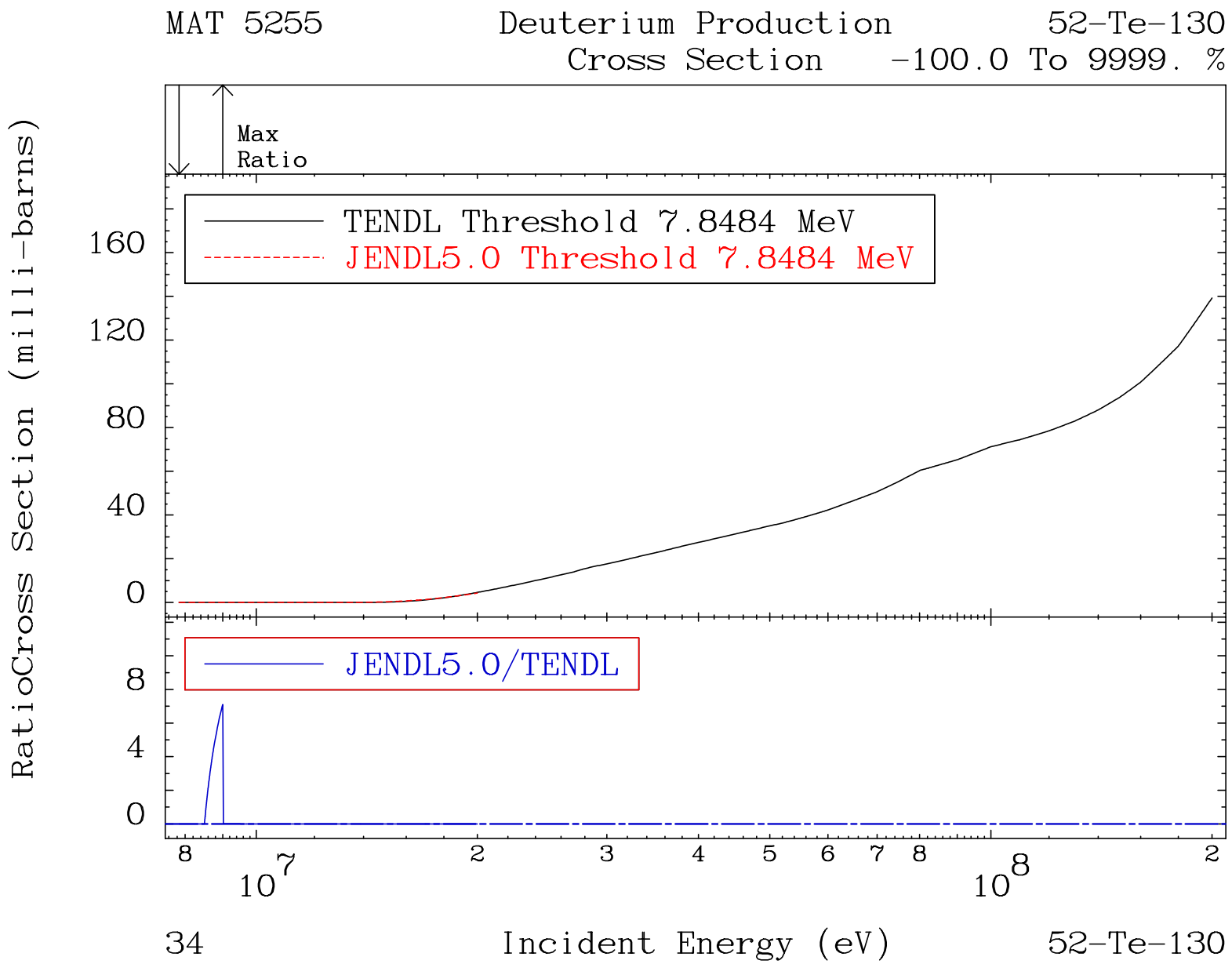

MAT 5255
(n,d)
52-Te-130
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8484 MeV
JENDL5.0 Threshold 7.8484 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
29
Incident Energy (eV)
52-Te-130

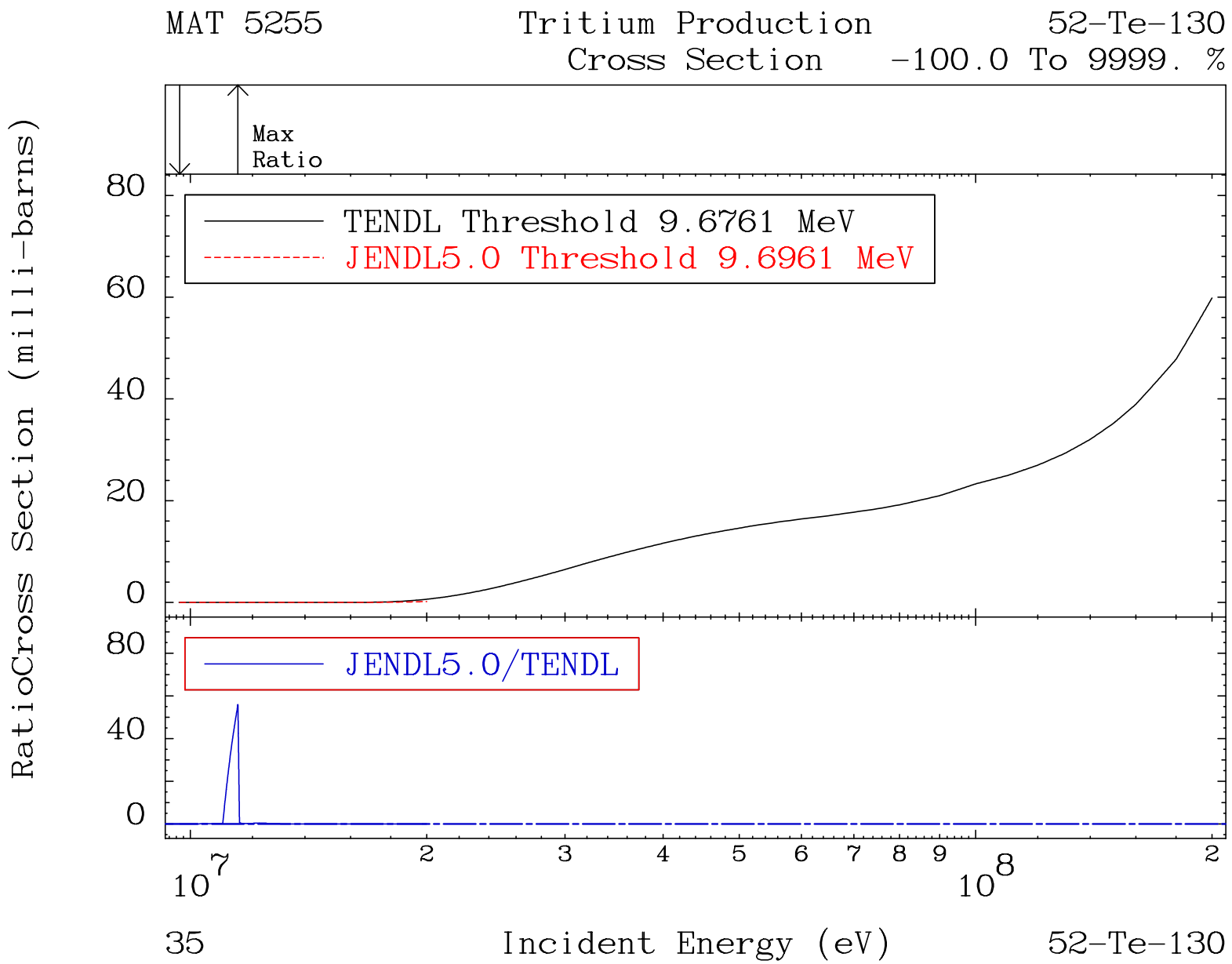

MAT 5255
(n,t)
Cross Section
52-Te-130
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.6761 MeV
JENDL5.0 Threshold 9.6961 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
52-Te-130

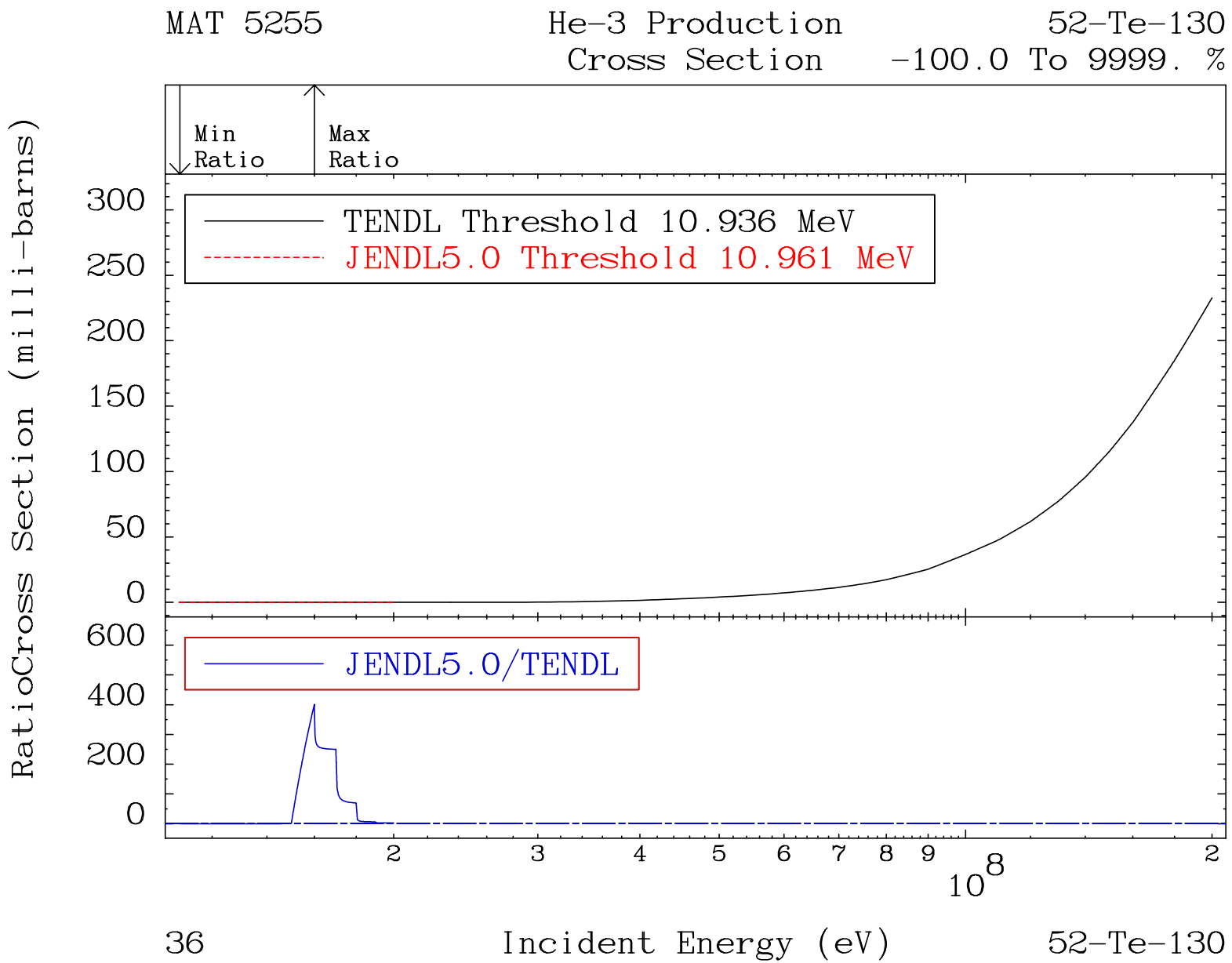

MAT 5255
(n,He-3)
52-Te-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.936 MeV
JENDL5.0 Threshold 10.961 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
600
400
200
0
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
52-Te-130

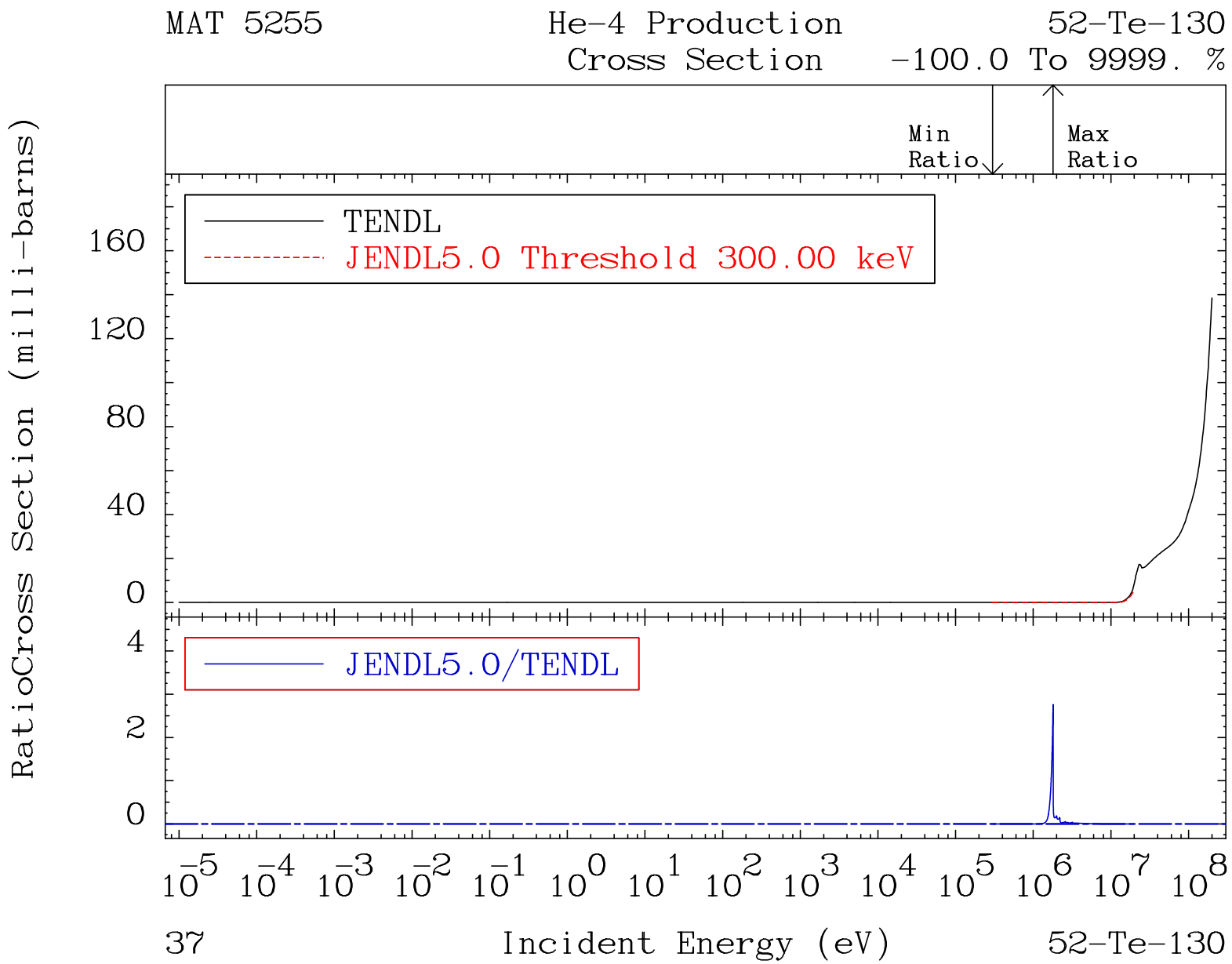

MAT 5255
(n,α)
Cross Section
52-Te-130
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 300.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
32
Incident Energy (eV)
52-Te-130

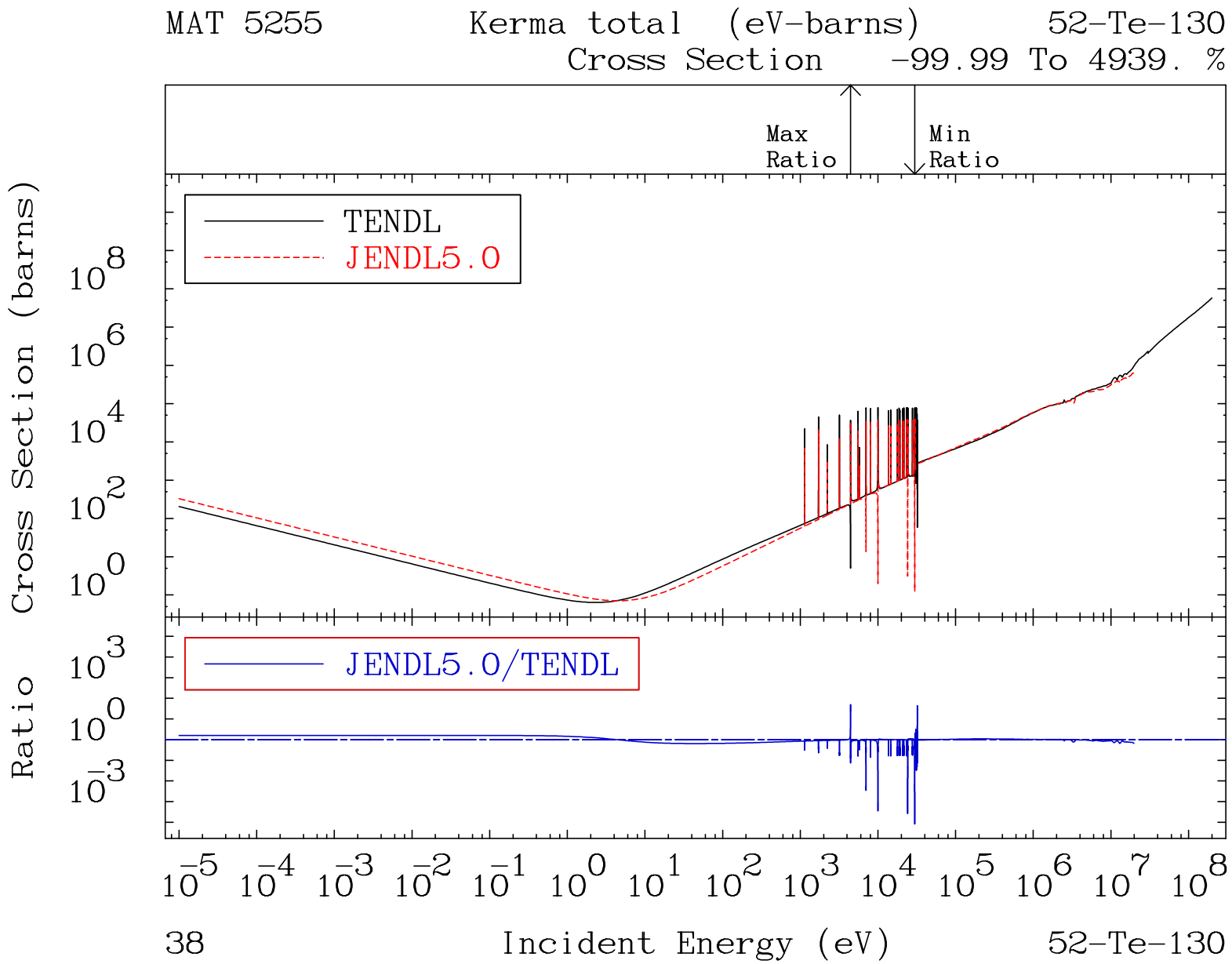

MAT 5255
Hydrogen Production
52-Te-130
Cross Section -14.99 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.3182 MeV
JENDL5.0 Threshold 4.3107 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
10^8
10^4
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
52-Te-130

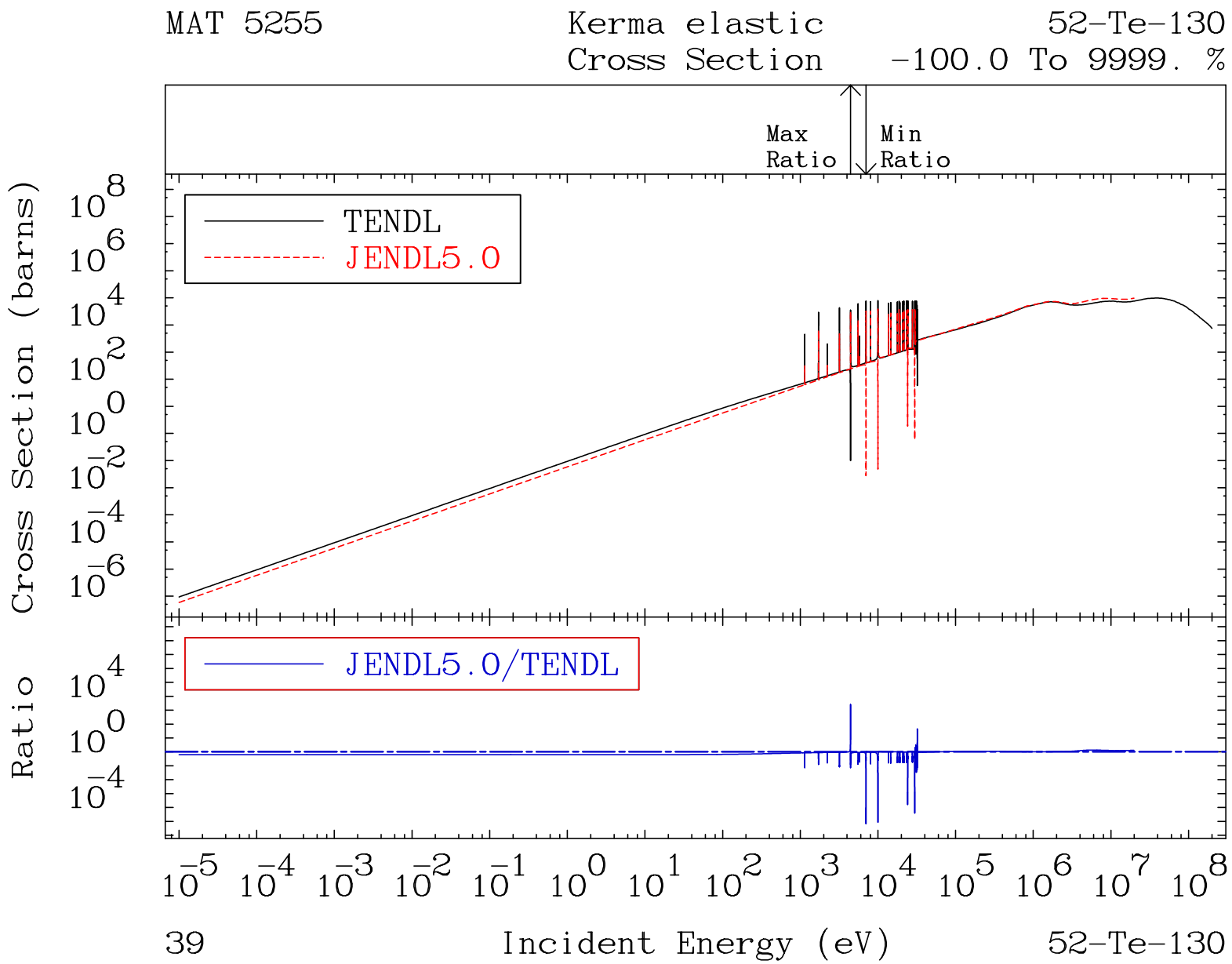

MAT 5255
Deuterium Production
52-Te-130
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8484 MeV
JENDL5.0 Threshold 7.8484 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
34
Incident Energy (eV)
52-Te-130

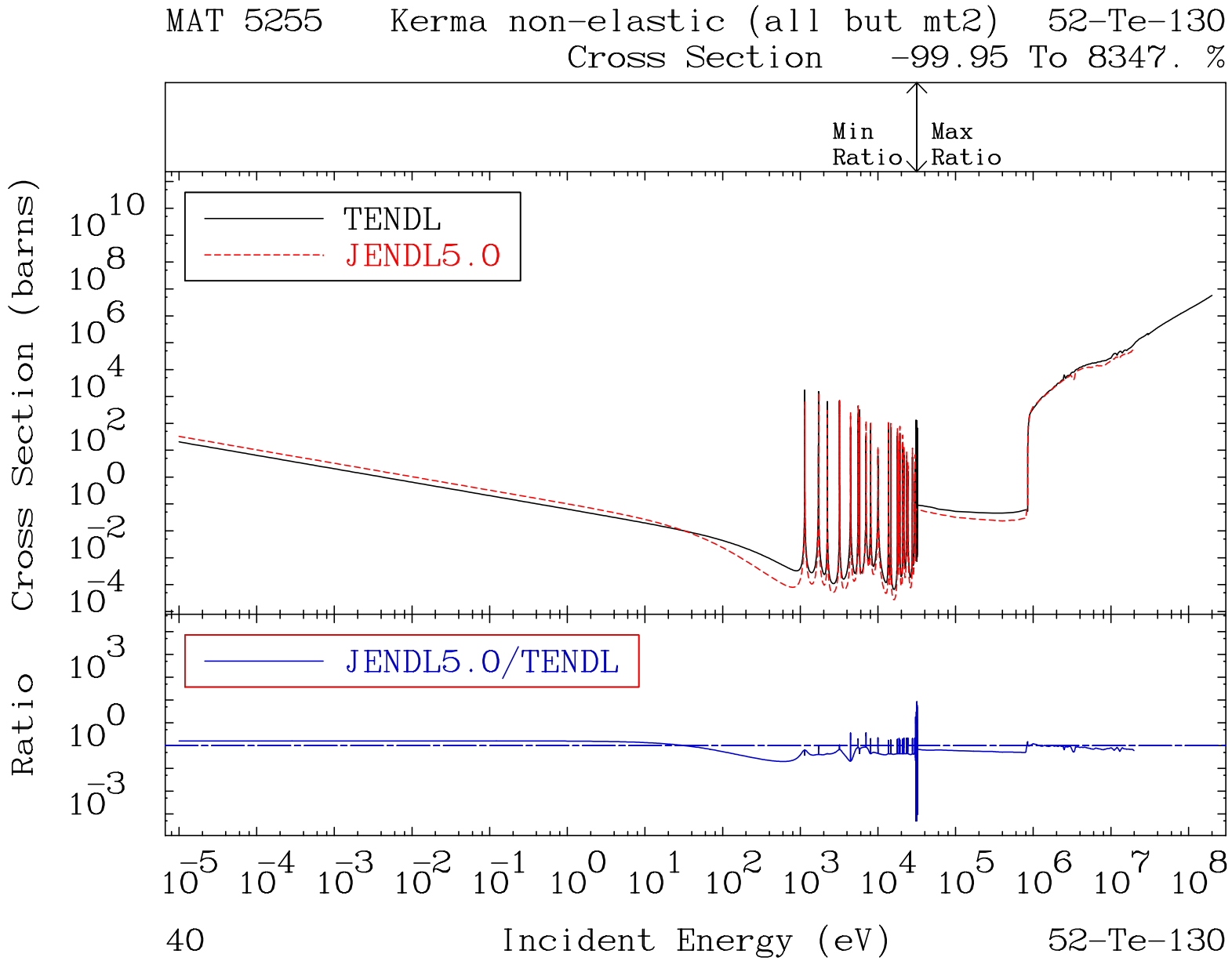

MAT 5255
Tritium Production
52-Te-130
Cross Section
-100.0 To 9999. %
Max
Ratio
80
60
40
20
0
TENDL Threshold 9.6761 MeV
JENDL5.0 Threshold 9.6961 MeV
80
40
0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
52-Te-130

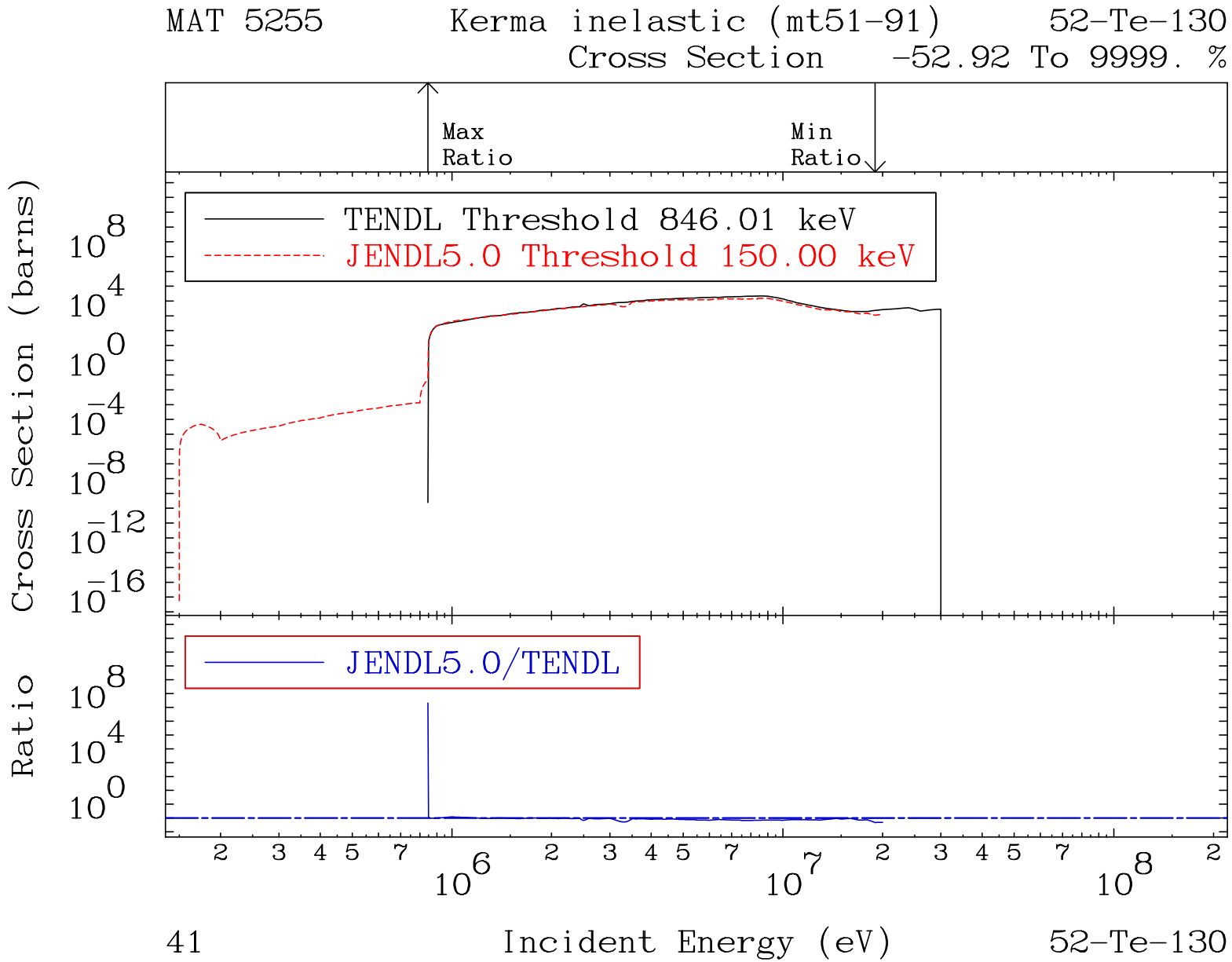

MAT 5255
He-3 Production
Cross Section
52-Te-130
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.936 MeV
JENDL5.0 Threshold 10.961 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
600
400
200
0
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
52-Te-130

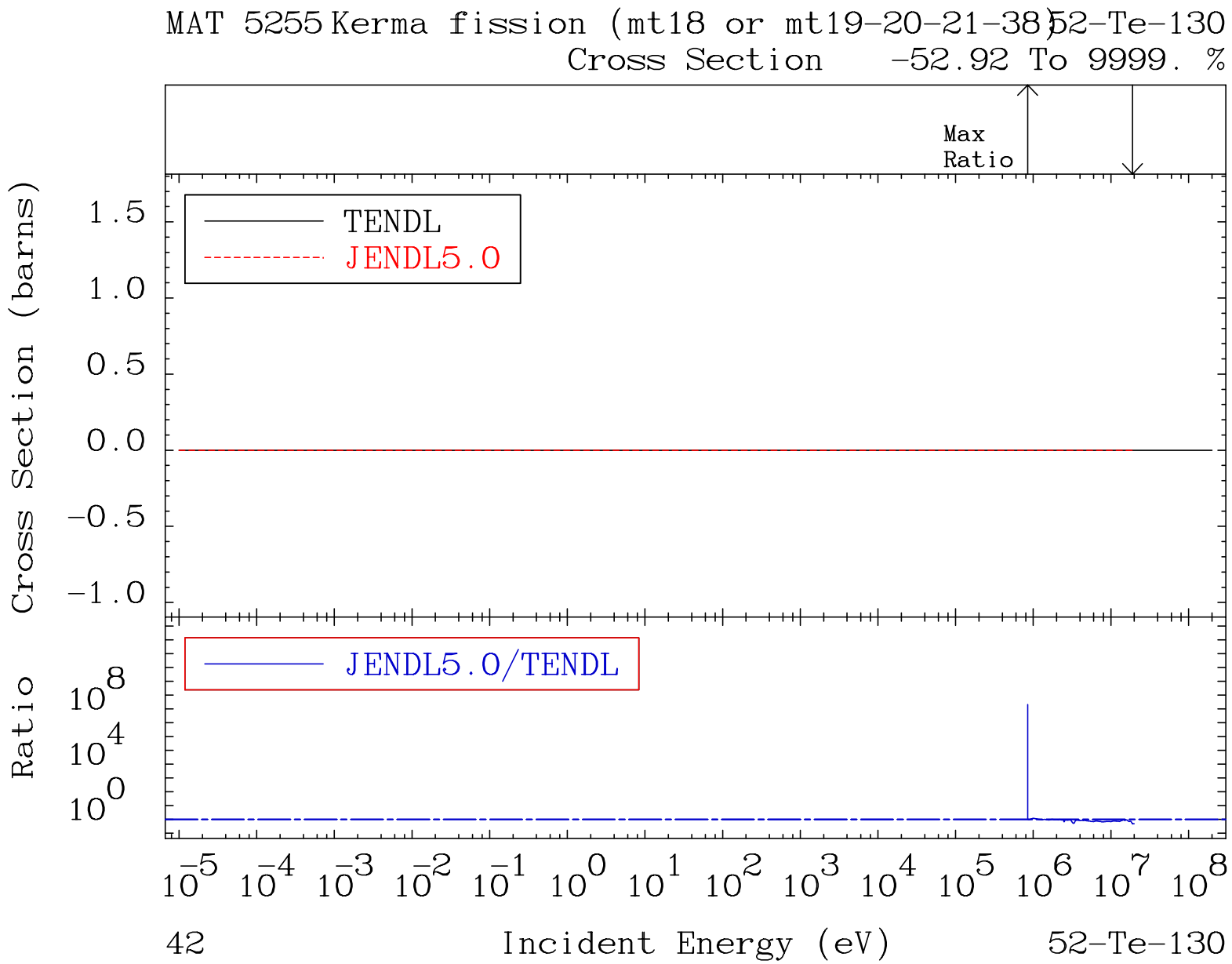

MAT 5255
He-4 Production
Cross Section
52-Te-130
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 300.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
52-Te-130

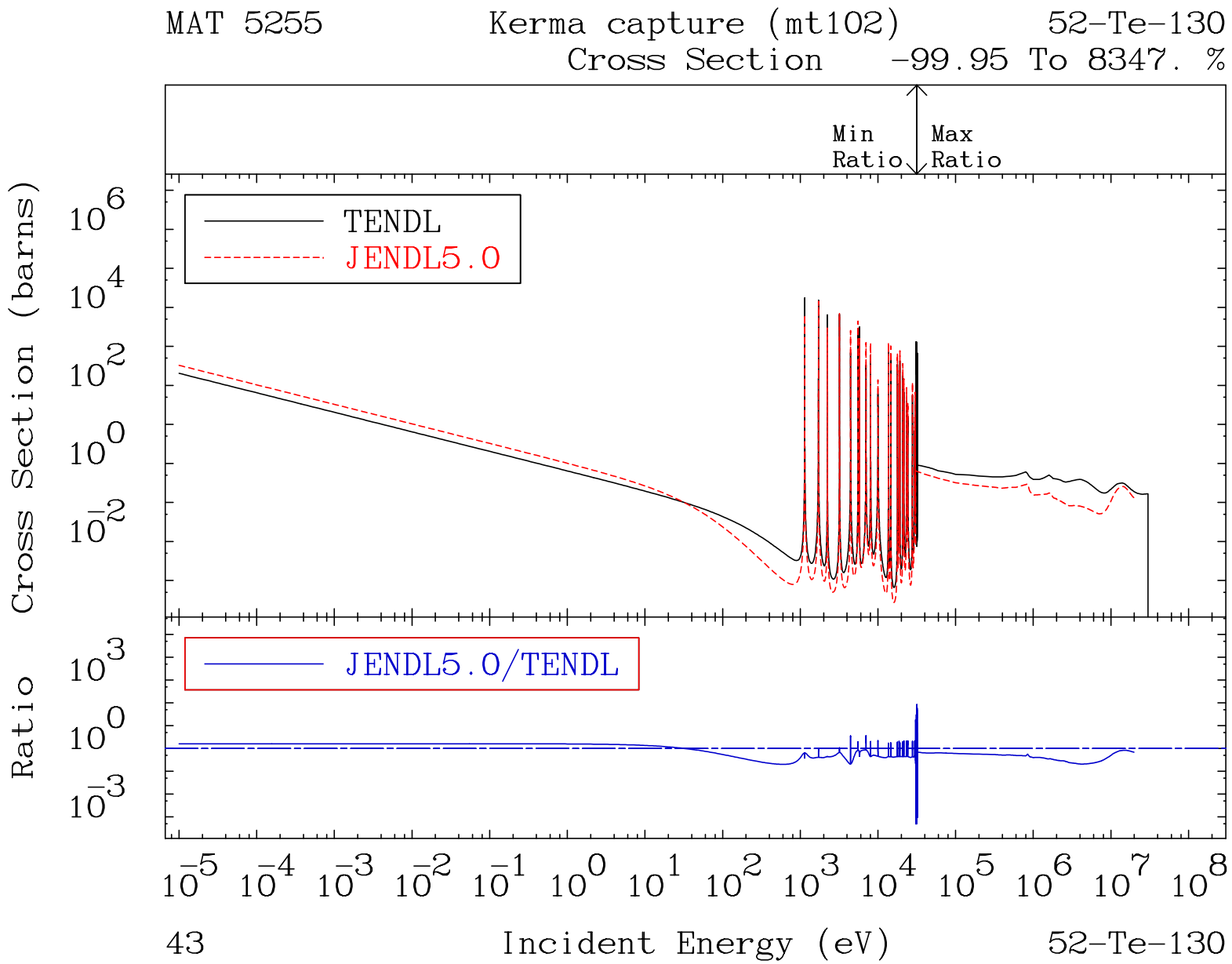

MAT 5255
Kerma total (eV-barns)
52-Te-130
Cross Section -99.99 To 4939. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
52-Te-130

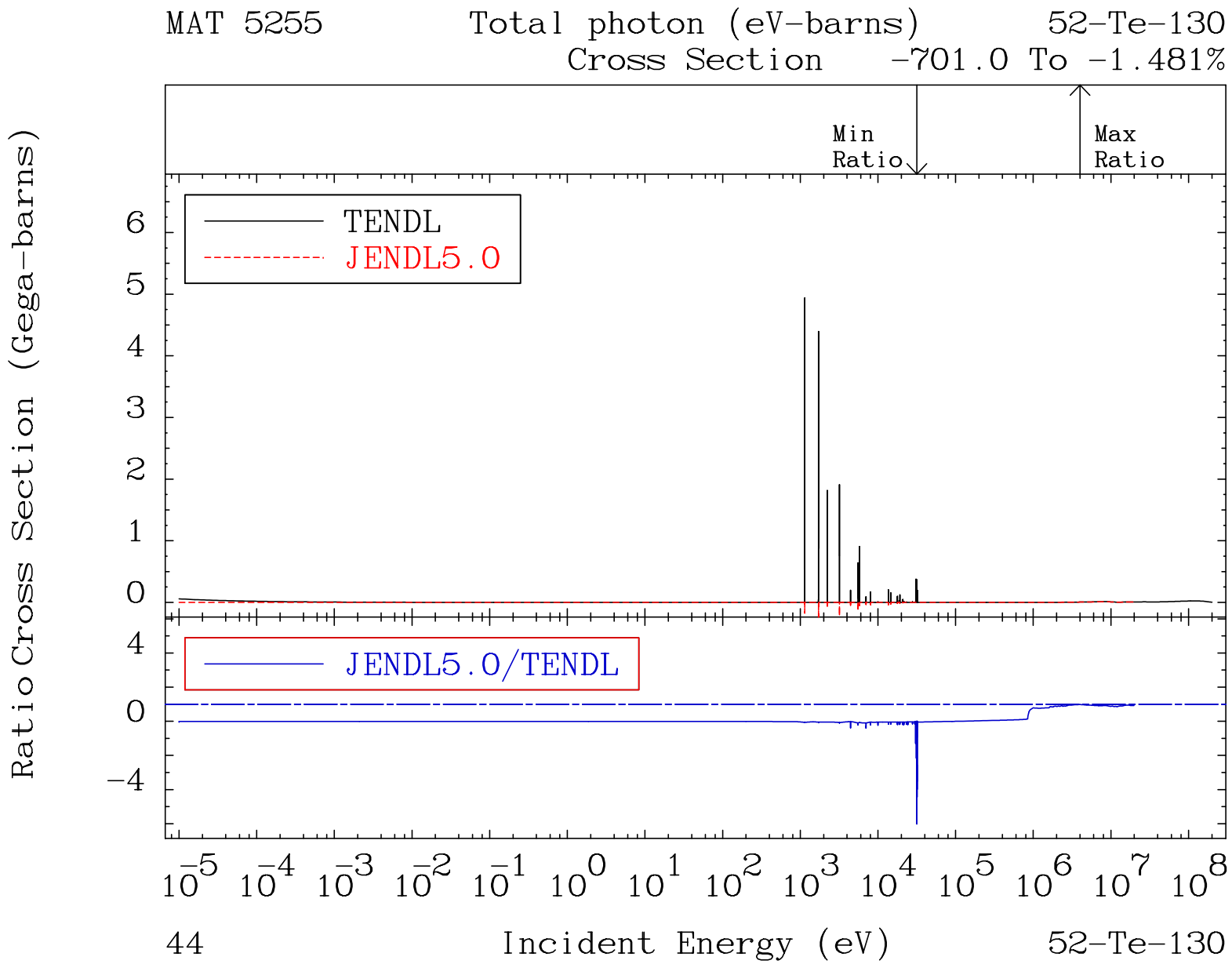

MAT 5255
Kerma elastic
Cross Section
52-Te-130
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
52-Te-130

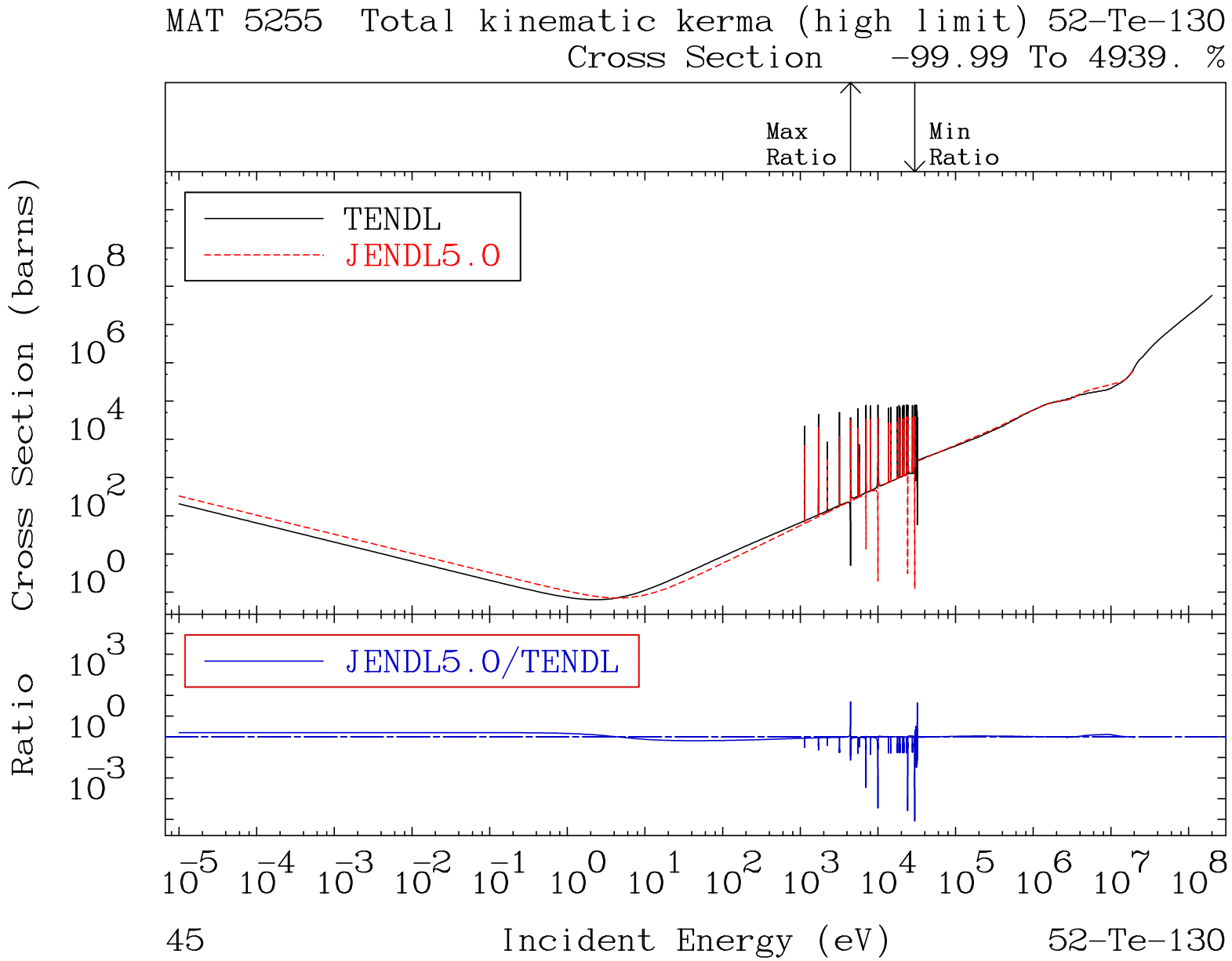

MAT 5255 Kerma non-elastic (all but mt2) 52-Te-130
Cross Section -99.95 To 8347. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
52-Te-130

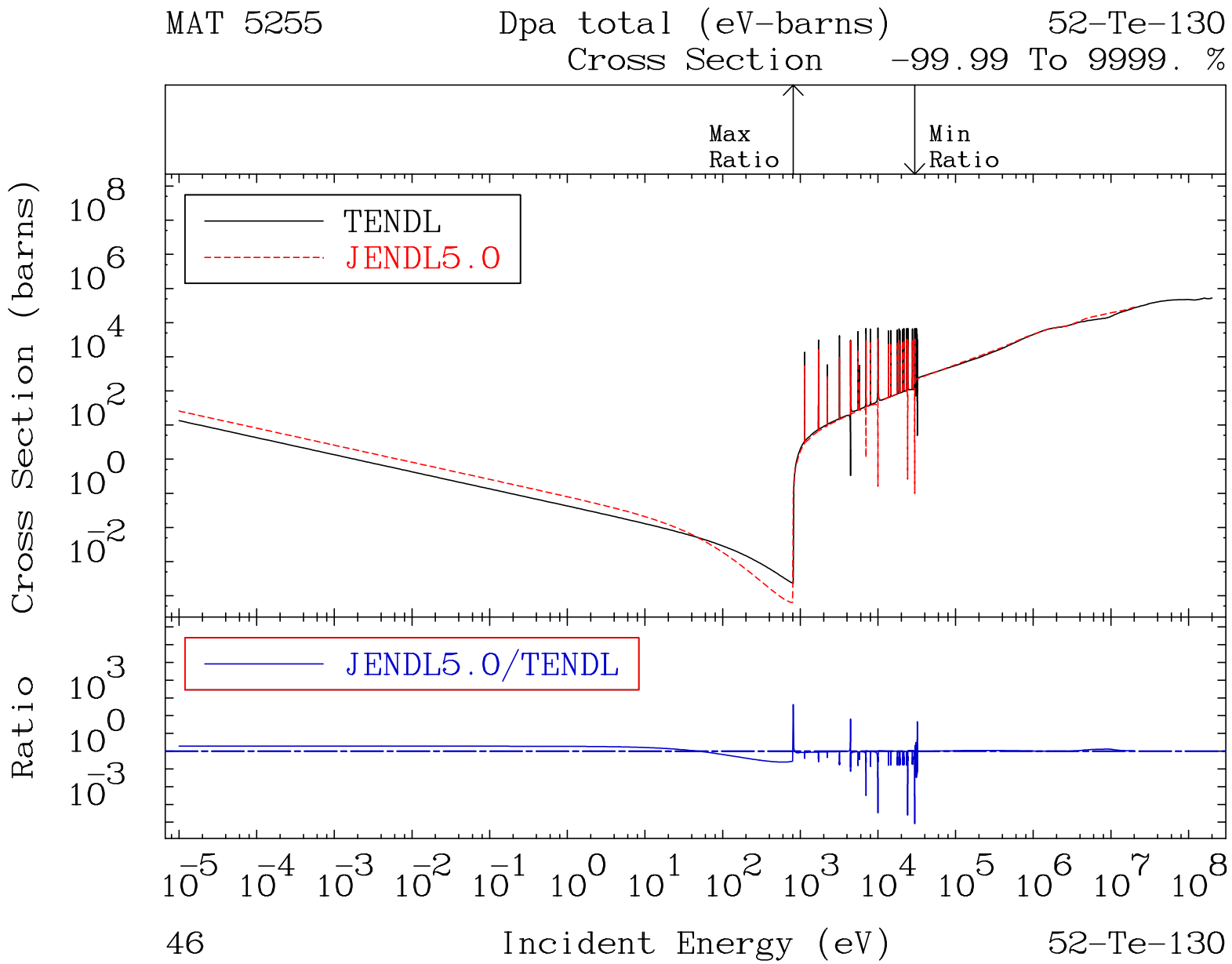

MAT 5255
Kerma inelastic (mt51-91)
52-Te-130
Cross Section -52.92 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 846.01 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
41
52-Te-130

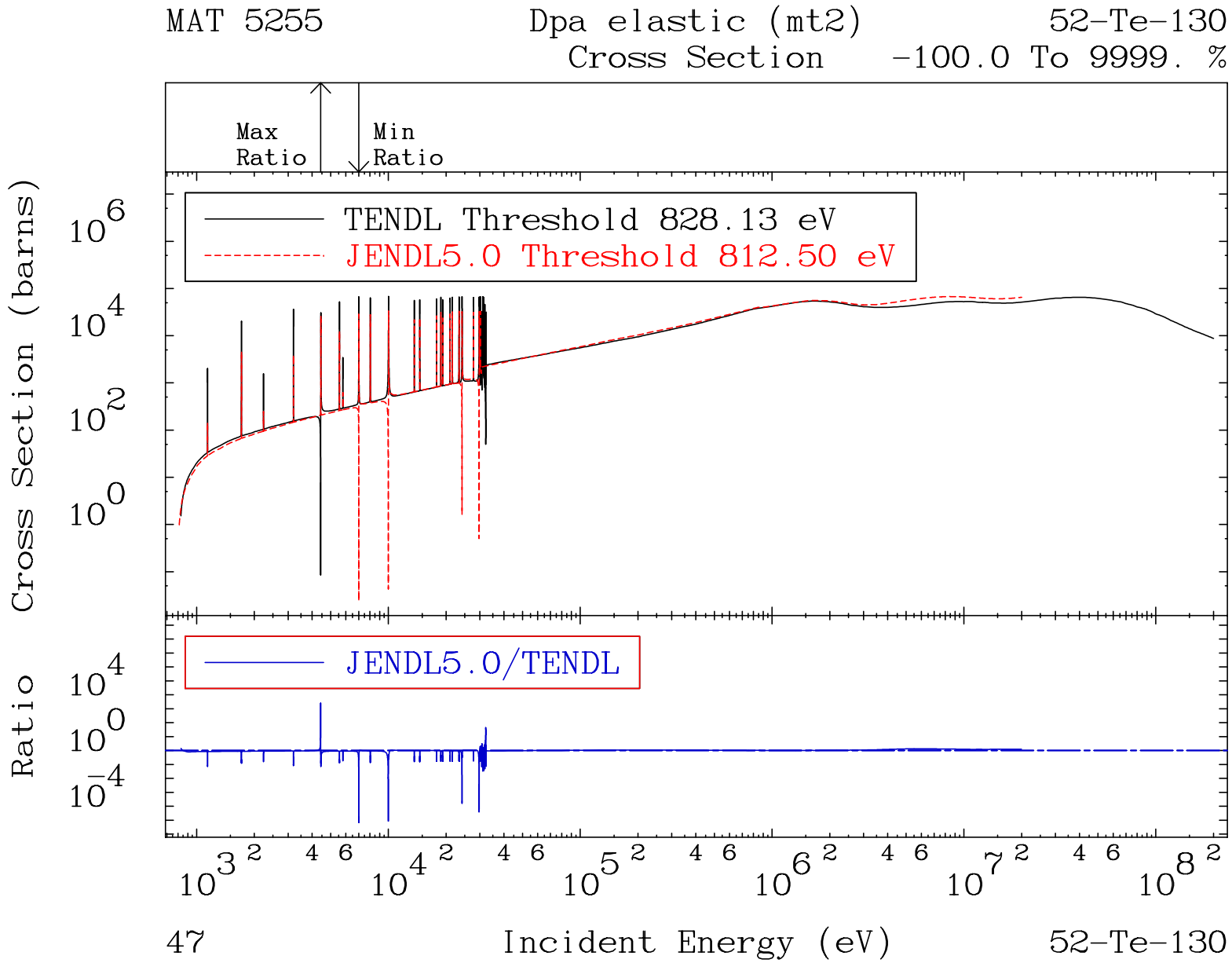

MAT 5255 Kerma fission (mt18 or mt19-20-21-38) 52-Te-130
Cross Section -52.92 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{8}
10^{4}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
42
Incident Energy (eV)
52-Te-130

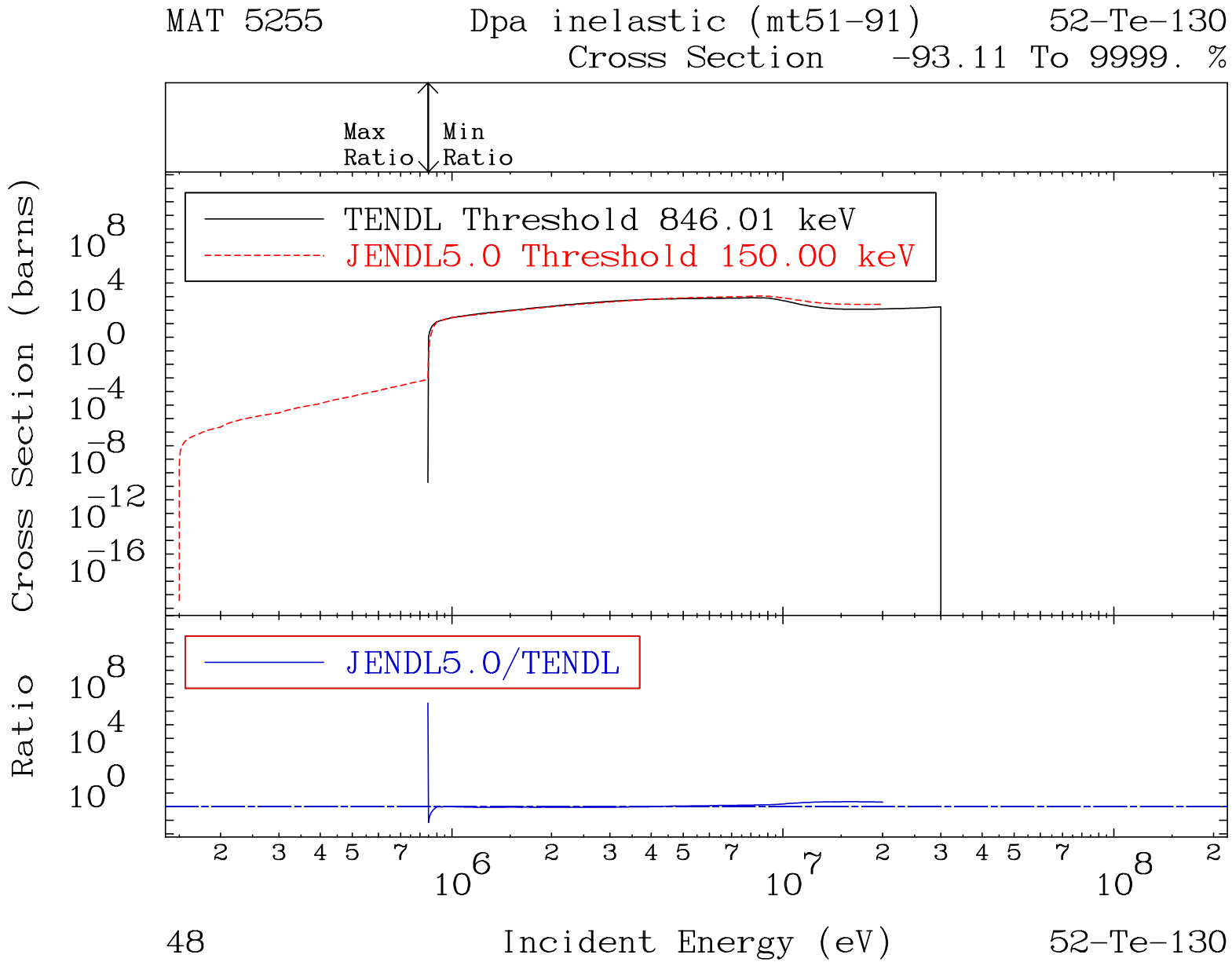

MAT 5255
Kerma capture (mt102)
52-Te-130
Cross Section -99.95 To 8347. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
52-Te-130

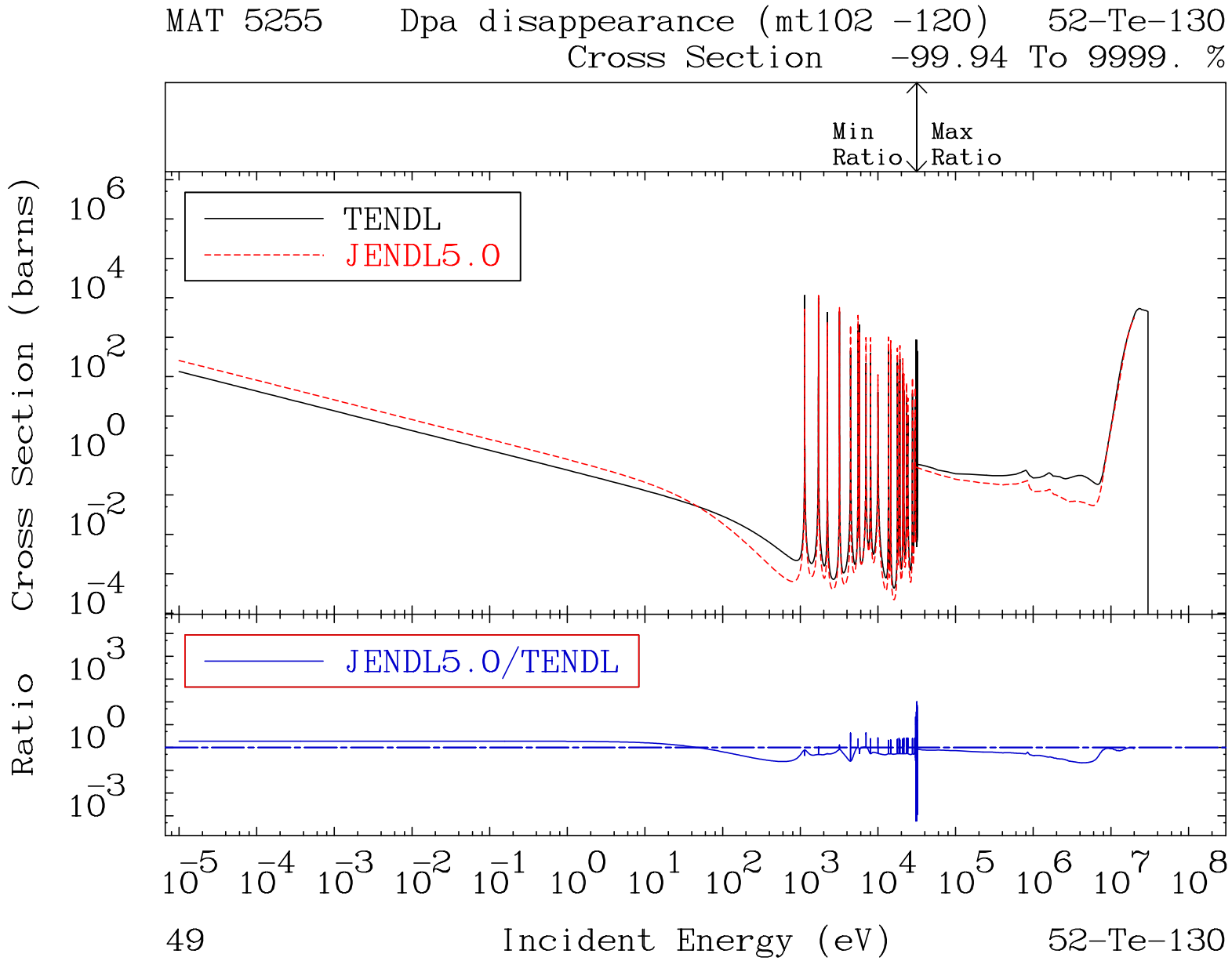

MAT 5255
Total photon (eV-barns)
52-Te-130
Cross Section -701.0 To -1.481%
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
6
5
4
3
2
1
0
4
0
-4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
44
Incident Energy (eV)
52-Te-130

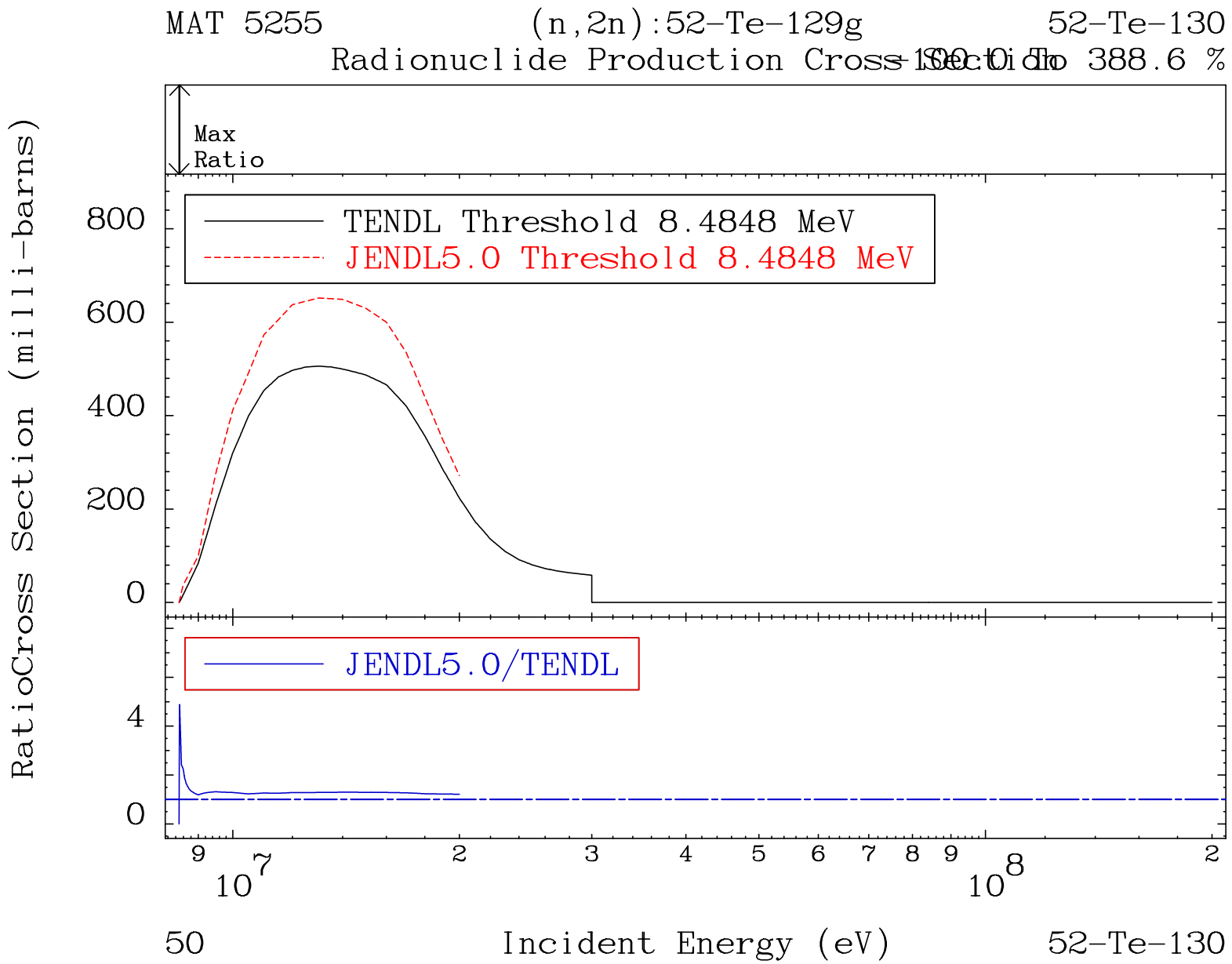

MAT 5255 Total kinematic kerma (high limit) 52-Te-130
Cross Section -99.99 To 4939. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
52-Te-130

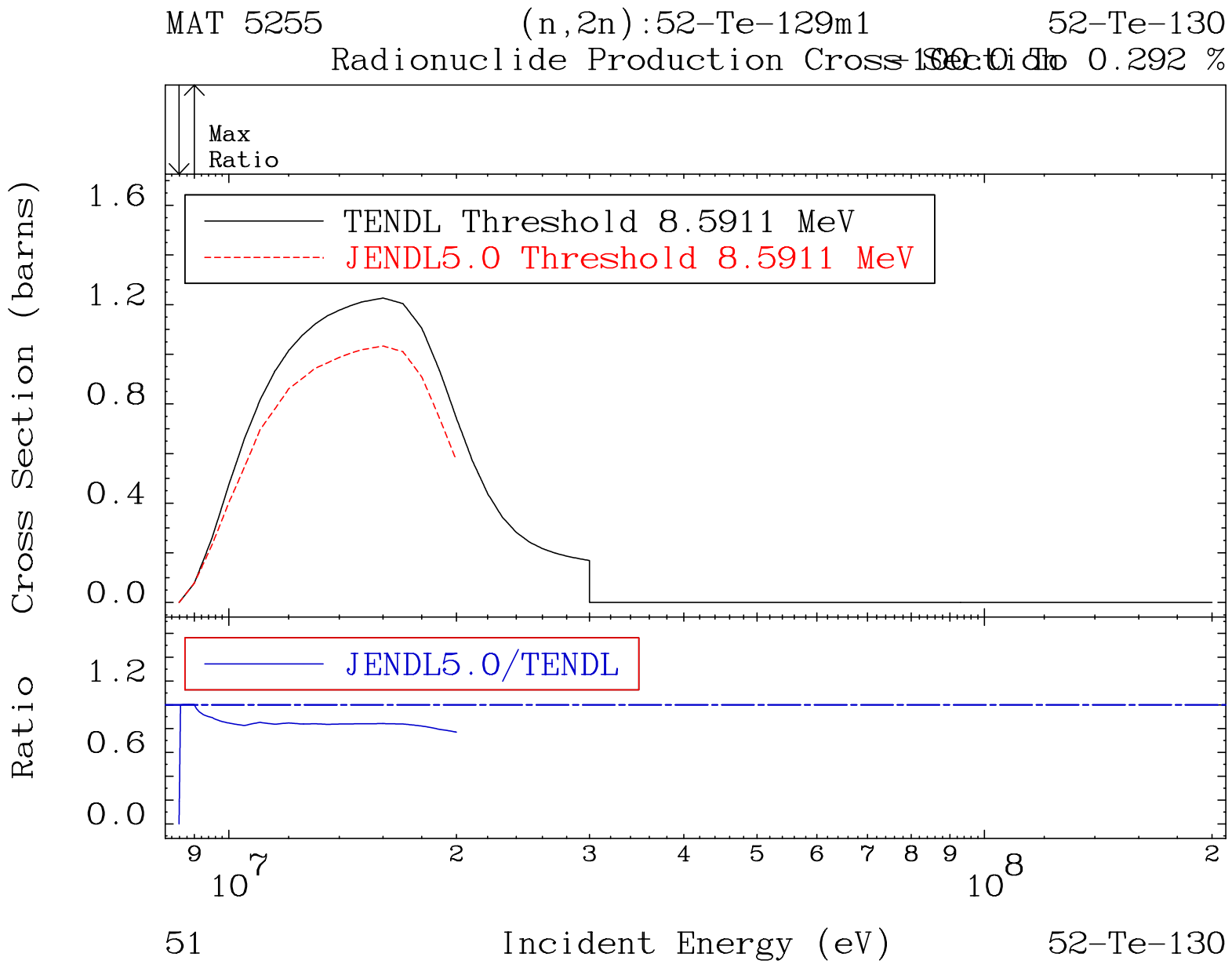

MAT 5255
Dpa total (eV-barns)
52-Te-130
Cross Section
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
52-Te-130

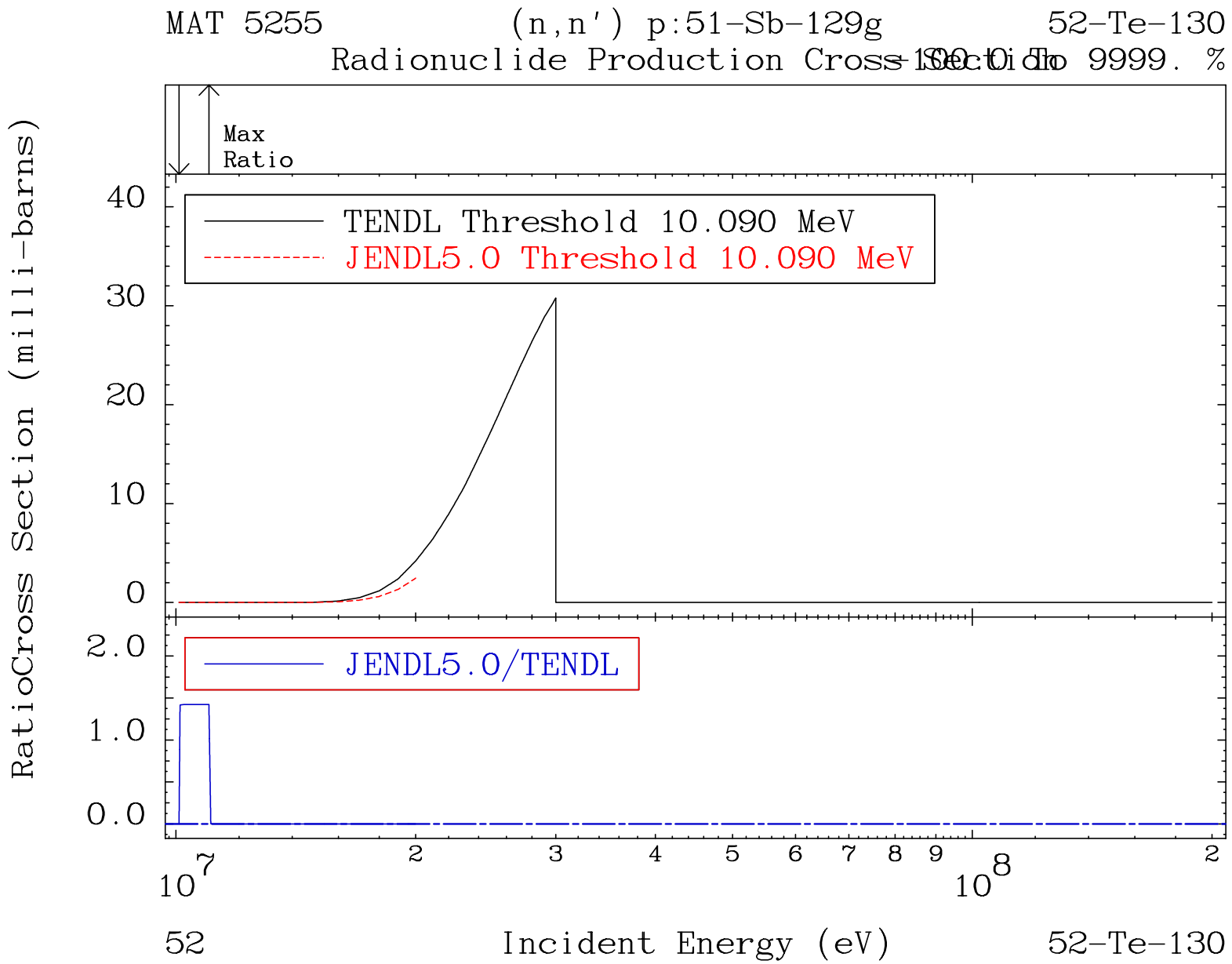

MAT 5255
Dpa elastic (mt2)
Cross Section
52-Te-130
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 828.13 eV
JENDL5.0 Threshold 812.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
52-Te-130

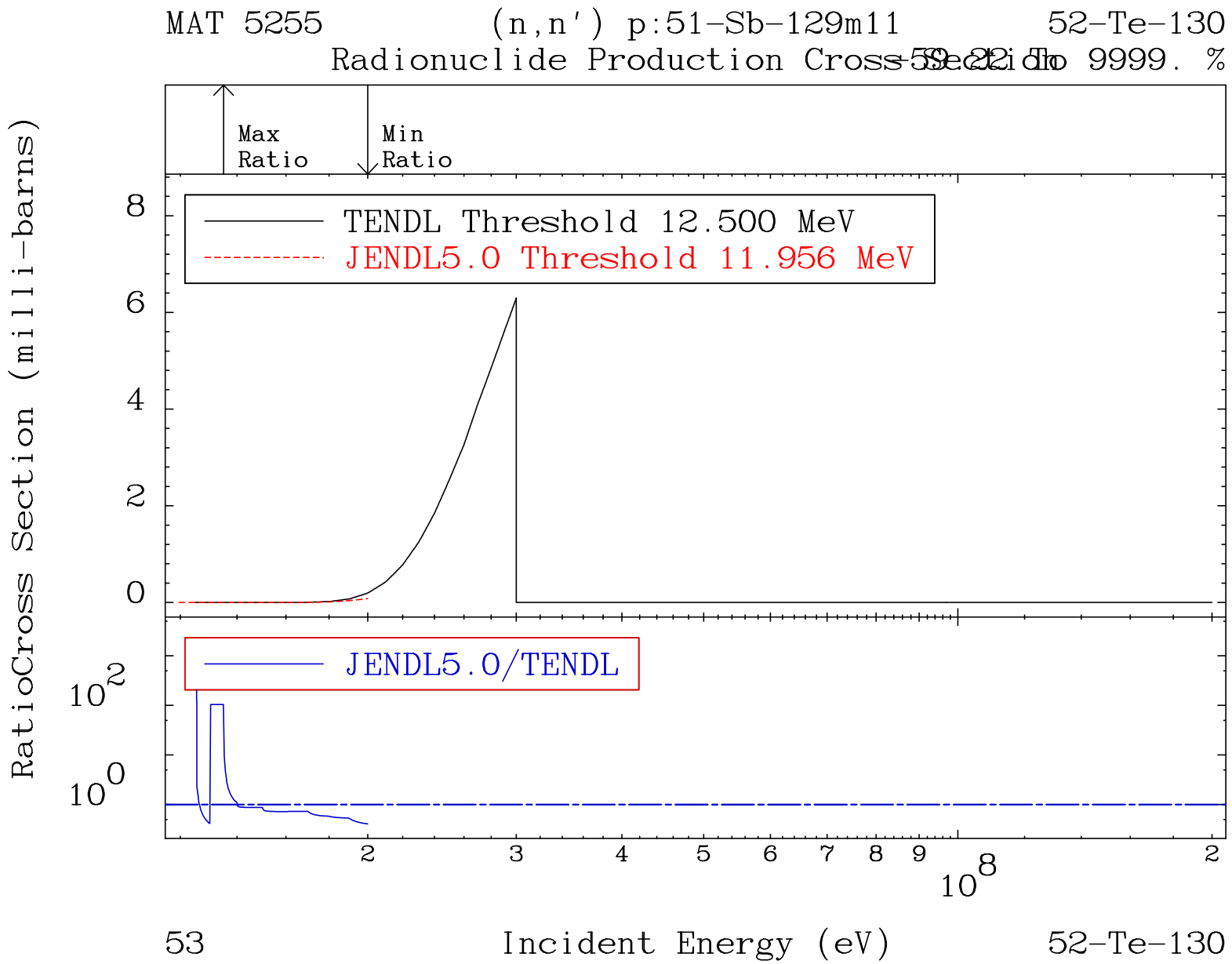

MAT 5255
Dpa inelastic (mt51-91)
52-Te-130
Cross Section -93.11 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 846.01 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
52-Te-130

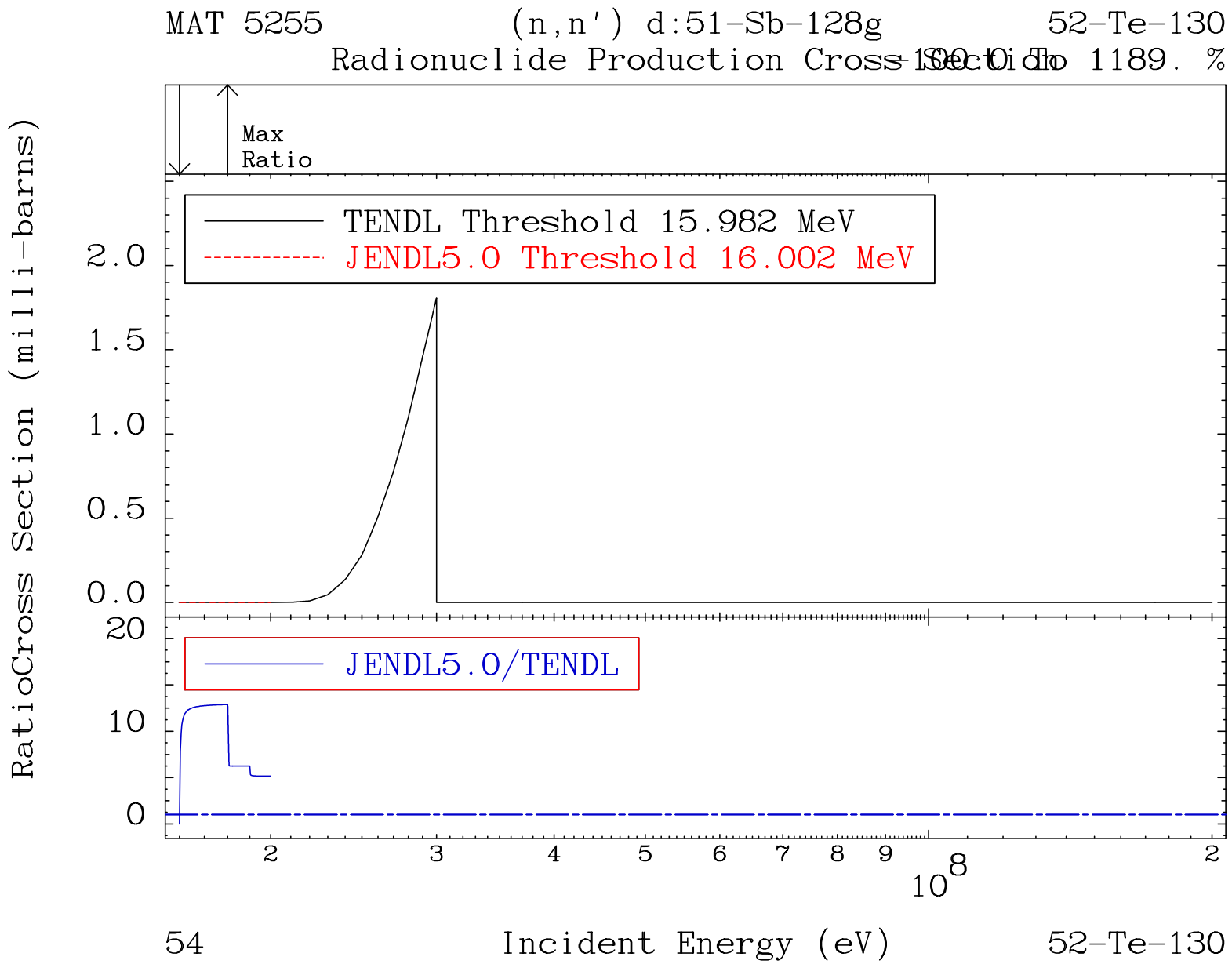

MAT 5255 Dpa disappearance (mt102 -120) 52-Te-130
Cross Section -99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
52-Te-130

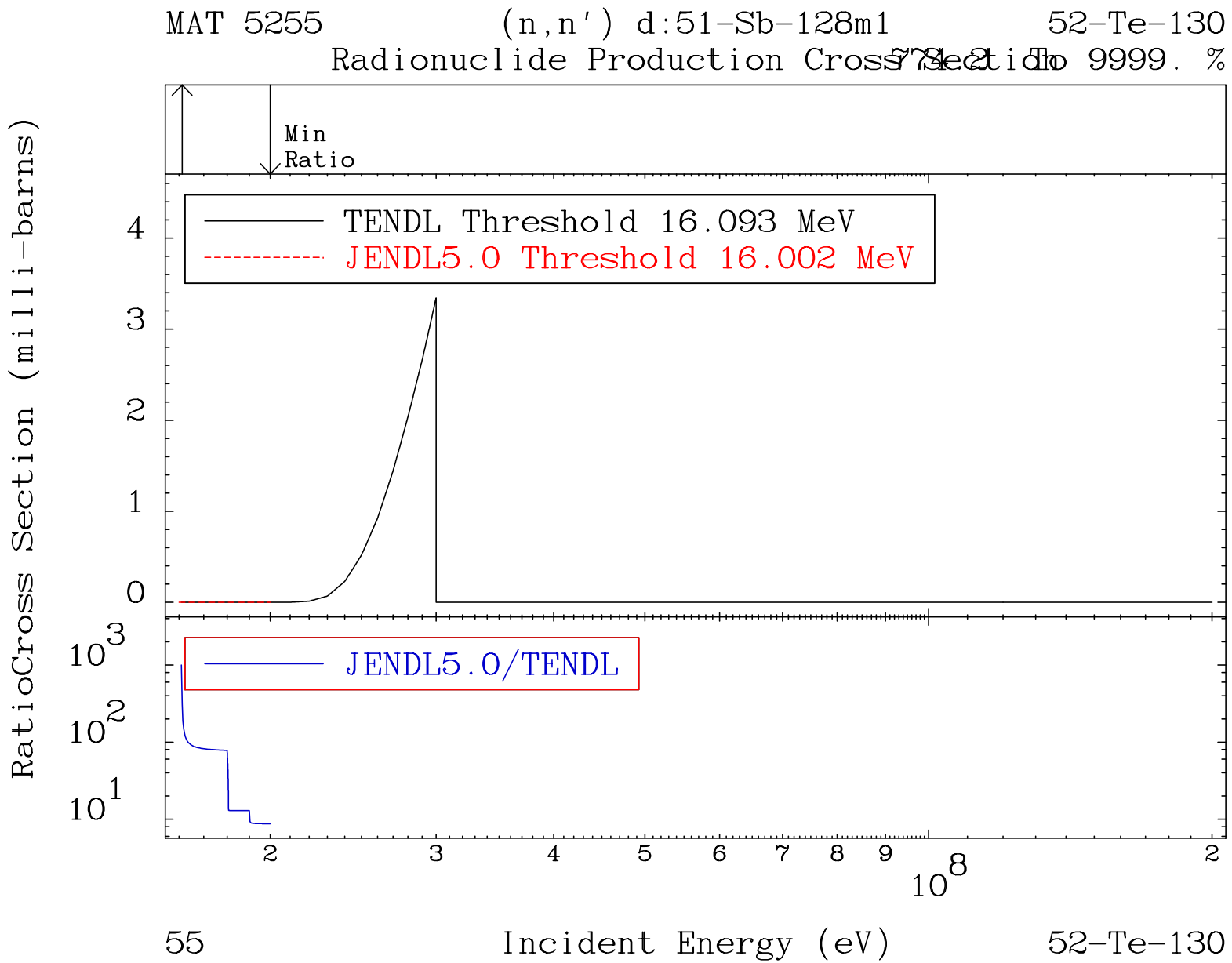

MAT 5255
(n,2n):52-Te-129g
52-Te-130
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.4848 MeV
JENDL5.0 Threshold 8.4848 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
52-Te-130

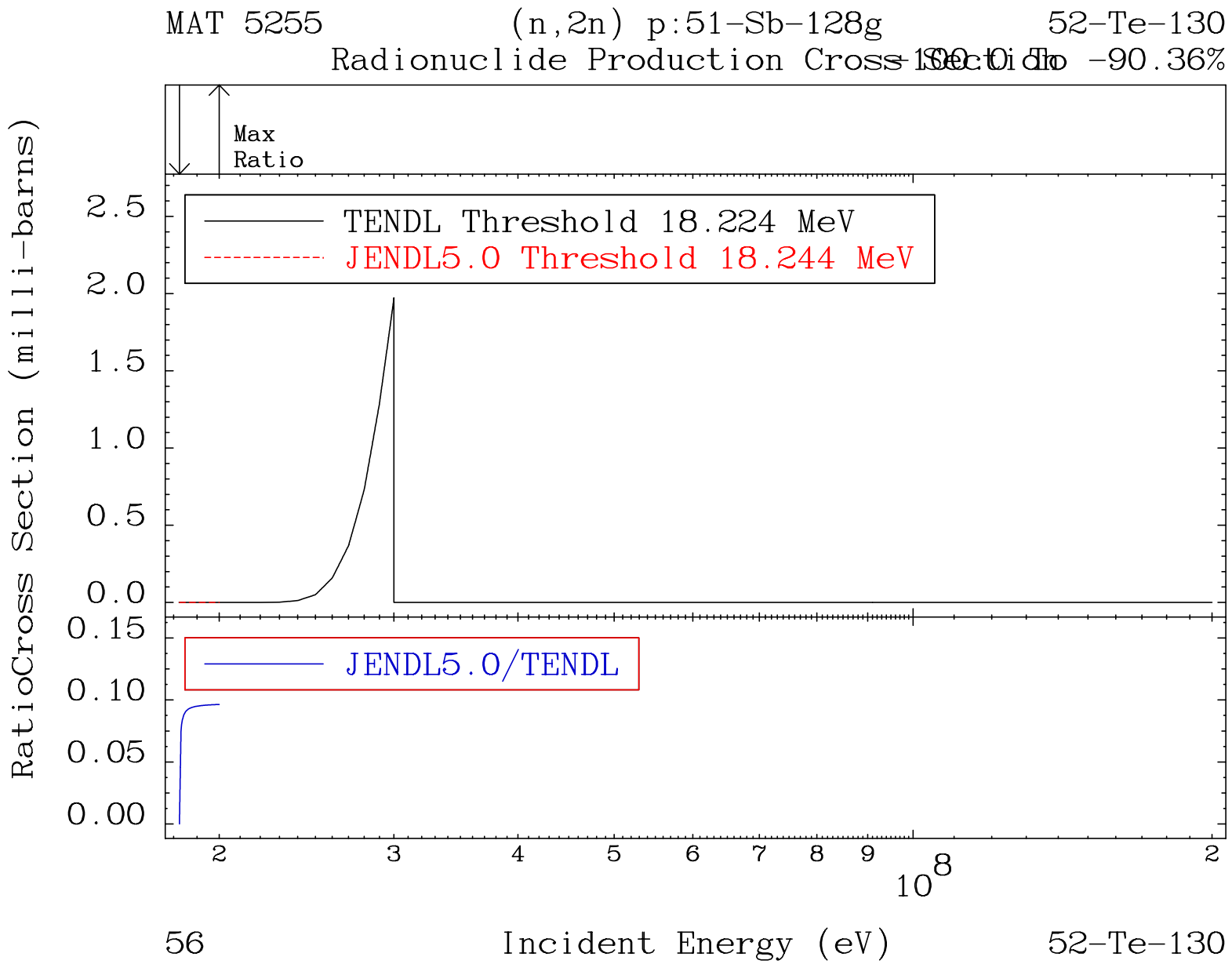

MAT 5255
(n,2n):52-Te-129m1
52-Te-130
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.5911 MeV
JENDL5.0 Threshold 8.5911 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
52-Te-130

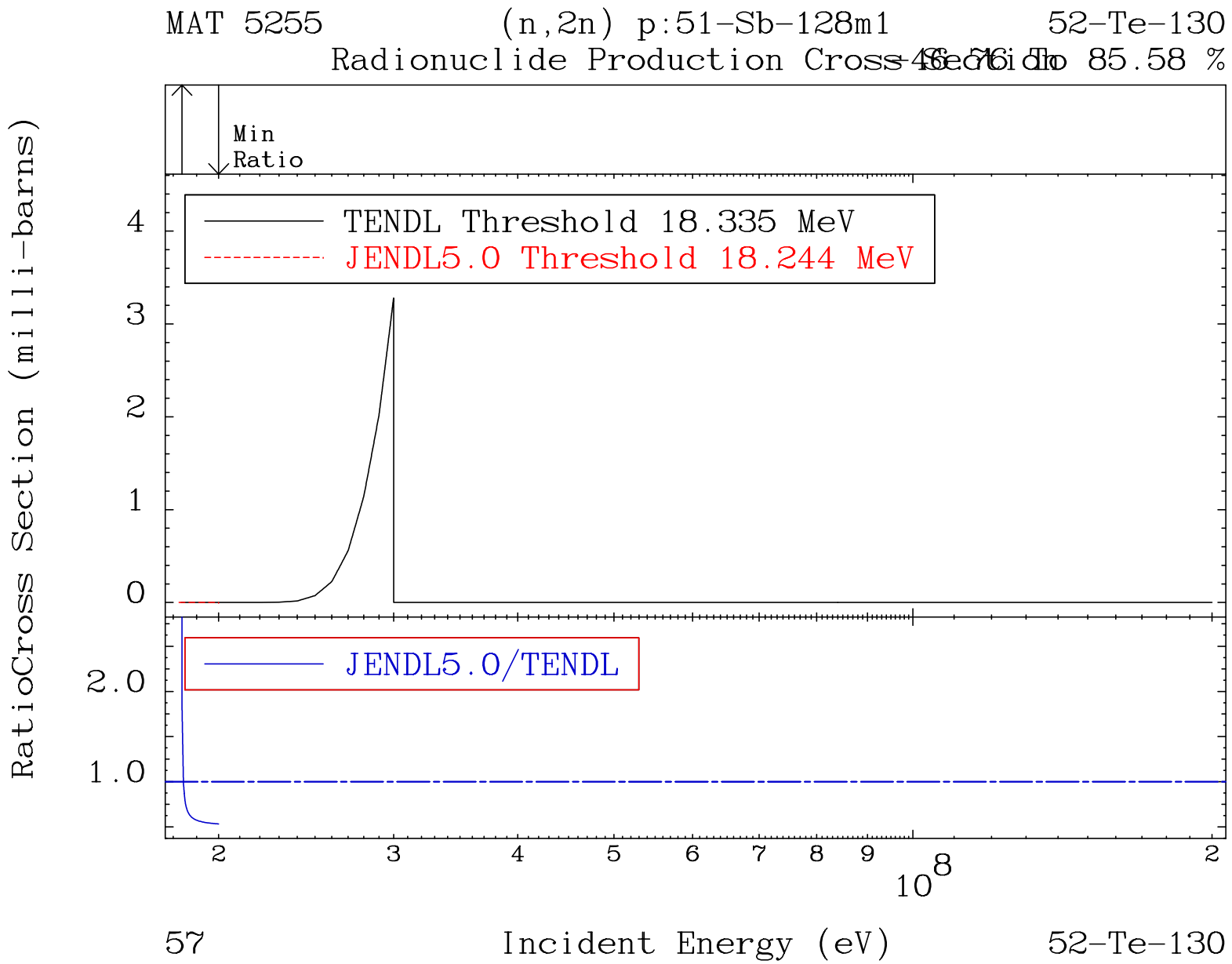

MAT 5255
(n,n') p:51-Sb-129g
52-Te-130
Radionuclide Production Cross Section To 9999. %
Max
Ratio
40
30
20
10
0
TENDL Threshold 10.090 MeV
JENDL5.0 Threshold 10.090 MeV
2.0
1.0
0.0
JENDL5.0/TENDL
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
52
Incident Energy (eV)
52-Te-130

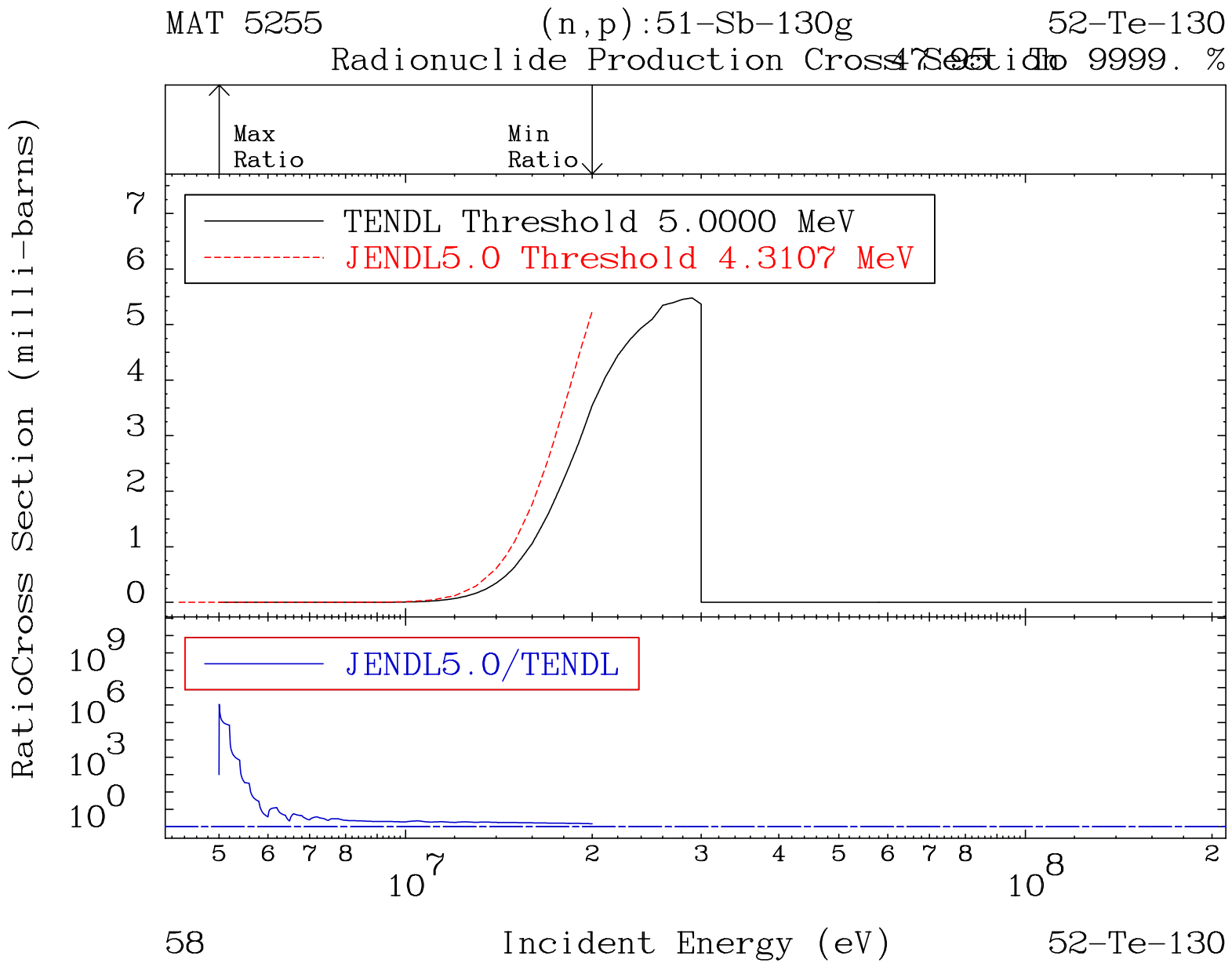

MAT 5255 (n,n') p:51-Sb-129m11 52-Te-130
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JENDL5.0 Threshold 11.956 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
53
52-Te-130

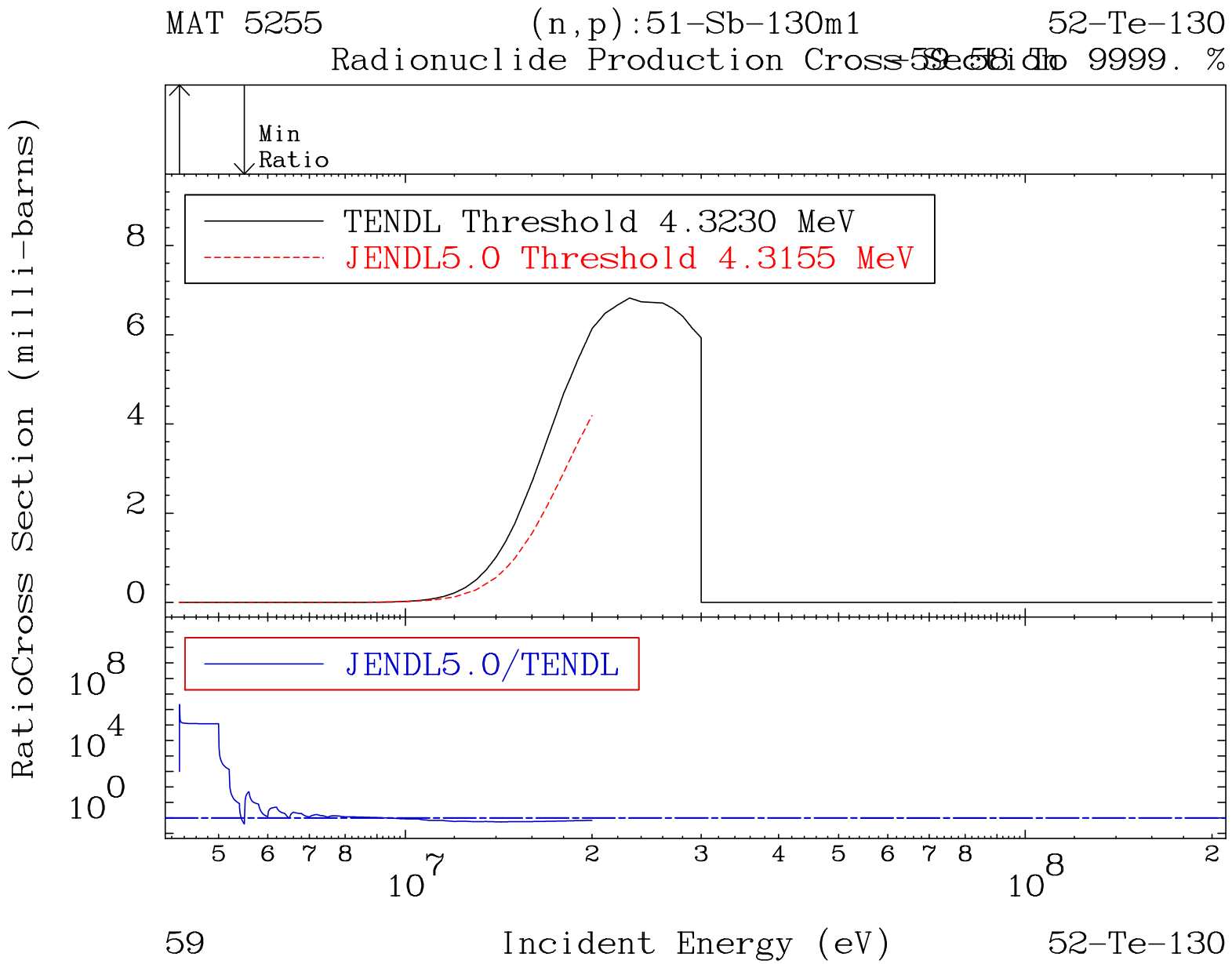

MAT 5255
(n,n') d:51-Sb-128g
52-Te-130
Radionuclide Production Cross Section To 1189. %
Max
Ratio
TENDL Threshold 15.982 MeV
JENDL5.0 Threshold 16.002 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
52-Te-130

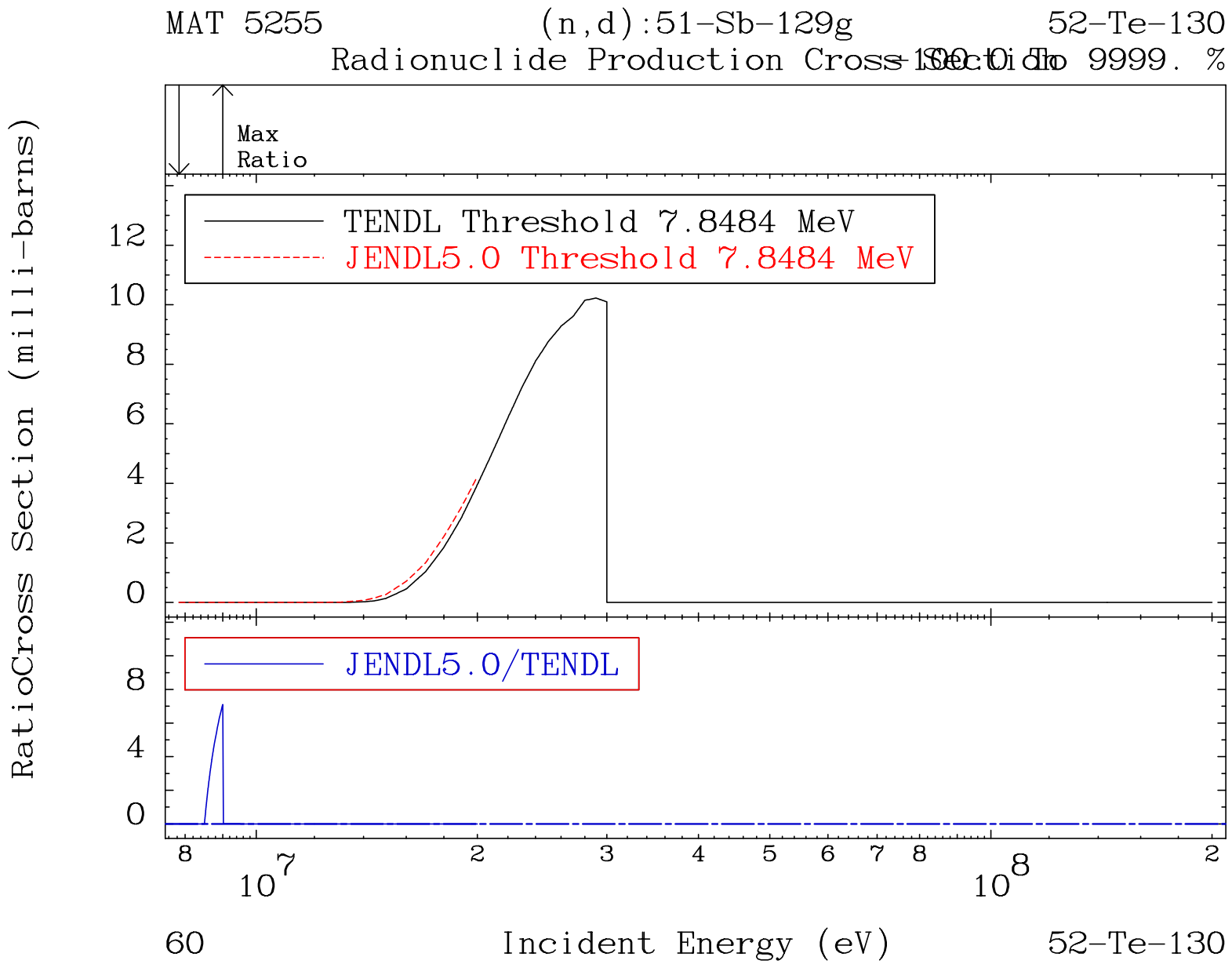

MAT 5255 (n,n') d:51-Sb-128m1 52-Te-130
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 16.093 MeV
JENDL5.0 Threshold 16.002 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
52-Te-130

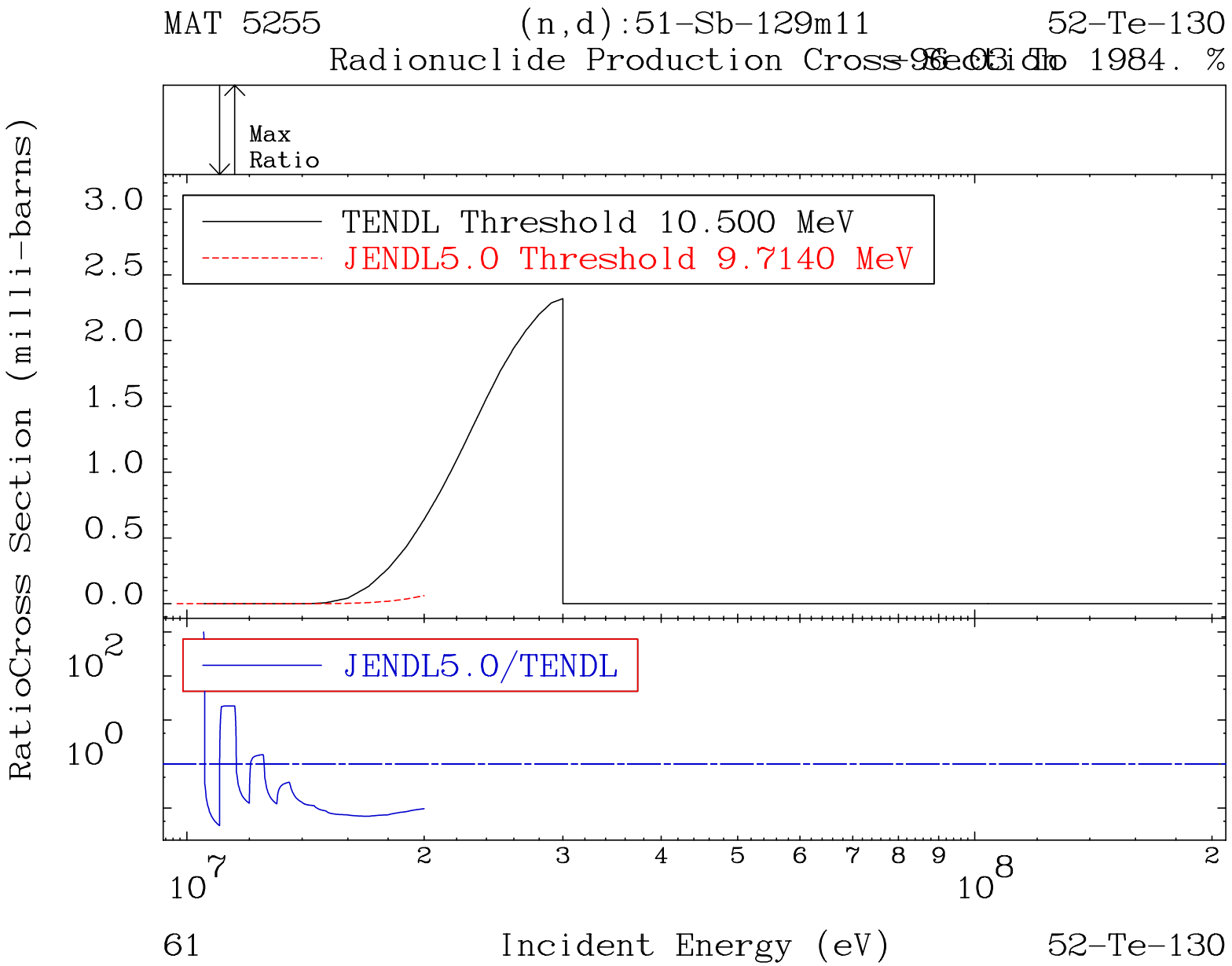

MAT 5255
(n,2n) p:51-Sb-128g
52-Te-130
Radionuclide Production Cross Section
-90.36%
Max
Ratio
TENDL Threshold 18.224 MeV
JENDL5.0 Threshold 18.244 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
0.15
0.10
0.05
0.00
2
3
4
5
6
7
8
9
2
10^8
56
Incident Energy (eV)
52-Te-130

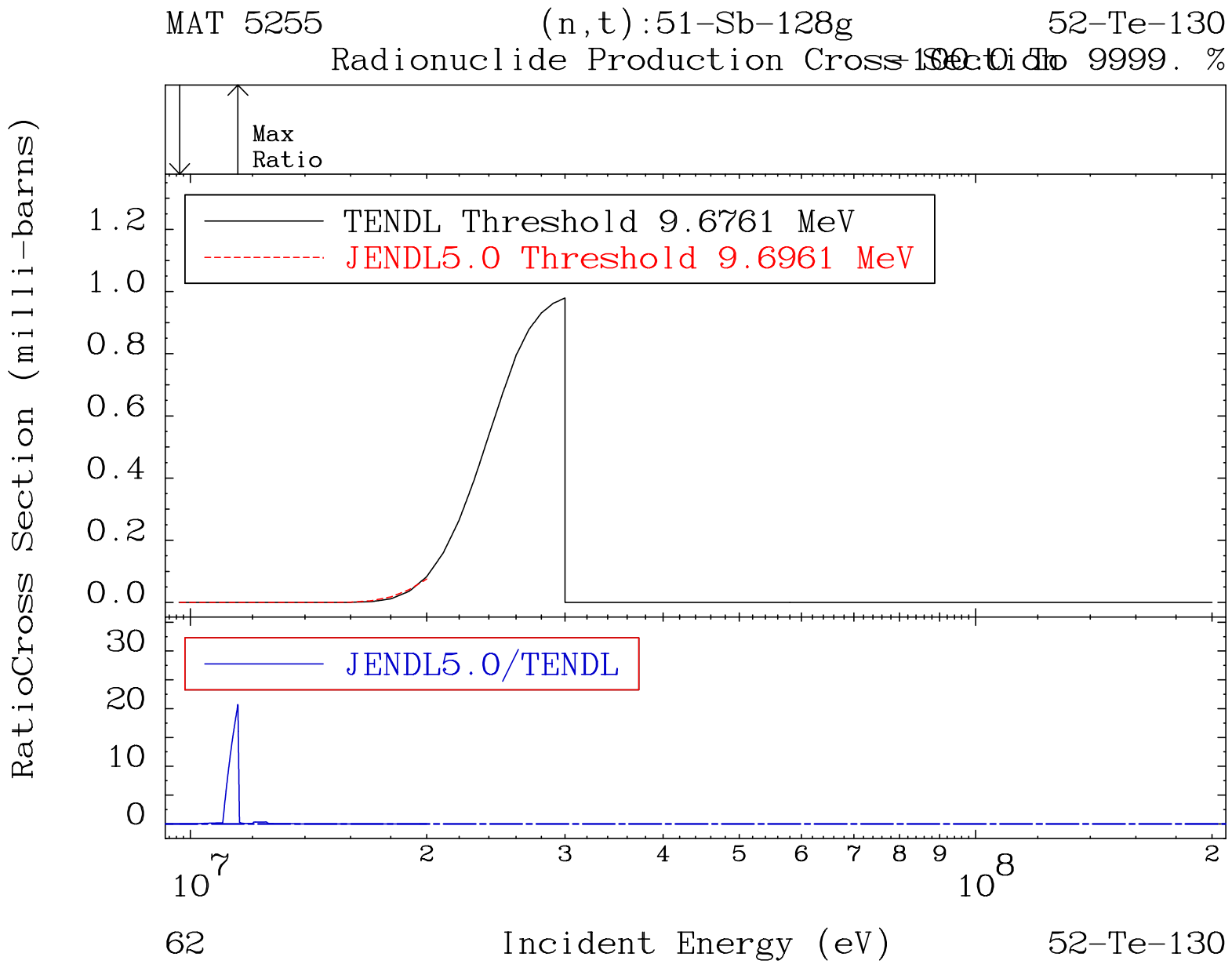

MAT 5255
(n,2n) p:51-Sb-128m1
52-Te-130
Radionuclide Production Cross-Section To 85.58 %
Min
Ratio
TENDL Threshold 18.335 MeV
JENDL5.0 Threshold 18.244 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
57
Incident Energy (eV)
52-Te-130

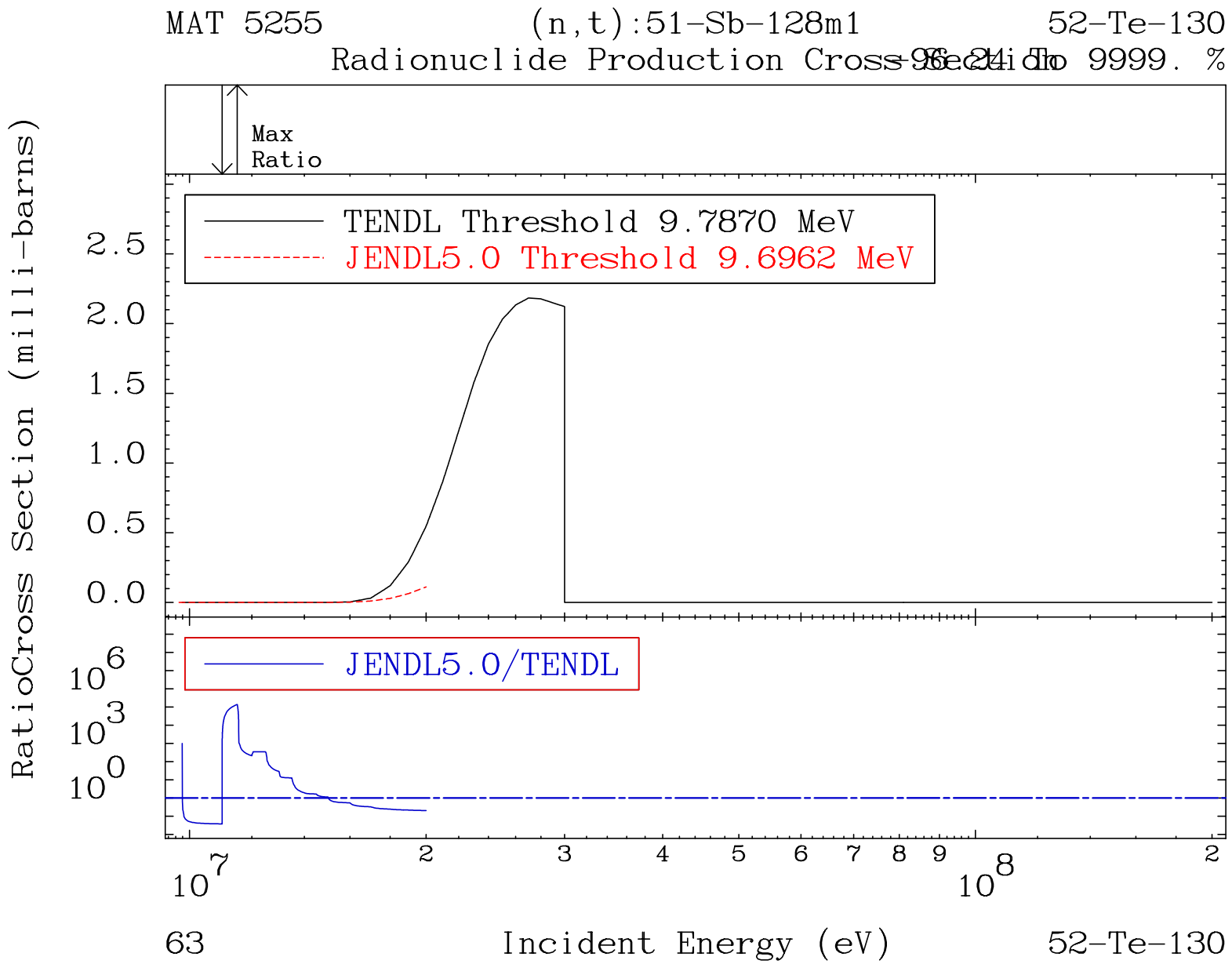

MAT 5255
(n,p):51-Sb-130g
52-Te-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.0000 MeV
JENDL5.0 Threshold 4.3107 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
52-Te-130

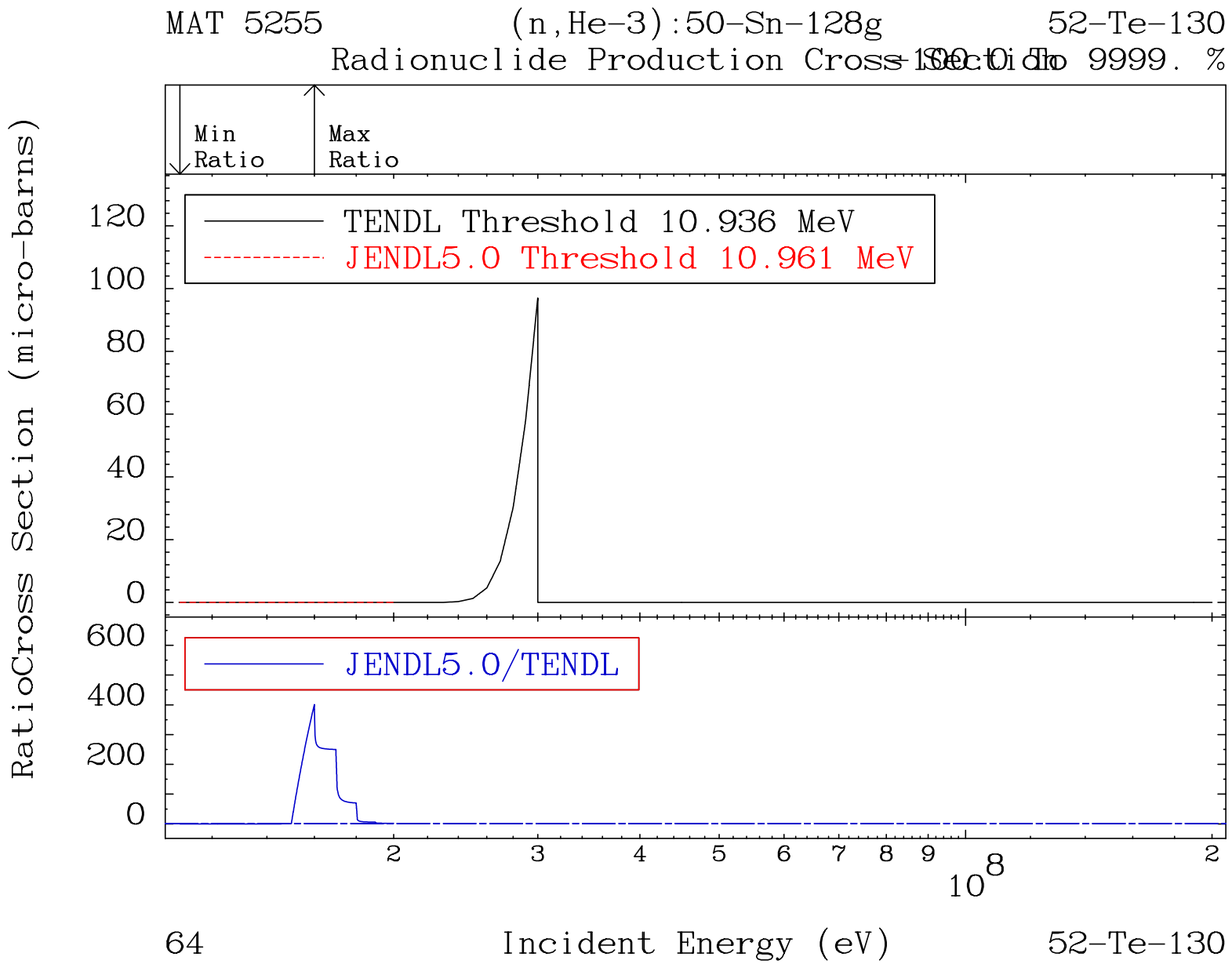

MAT 5255
(n,p):51-Sb-130m1
52-Te-130
Radionuclide Production Cross Section
59
52-Te-130
Min
Ratio
TENDL Threshold 4.3230 MeV
JENDL5.0 Threshold 4.3155 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)

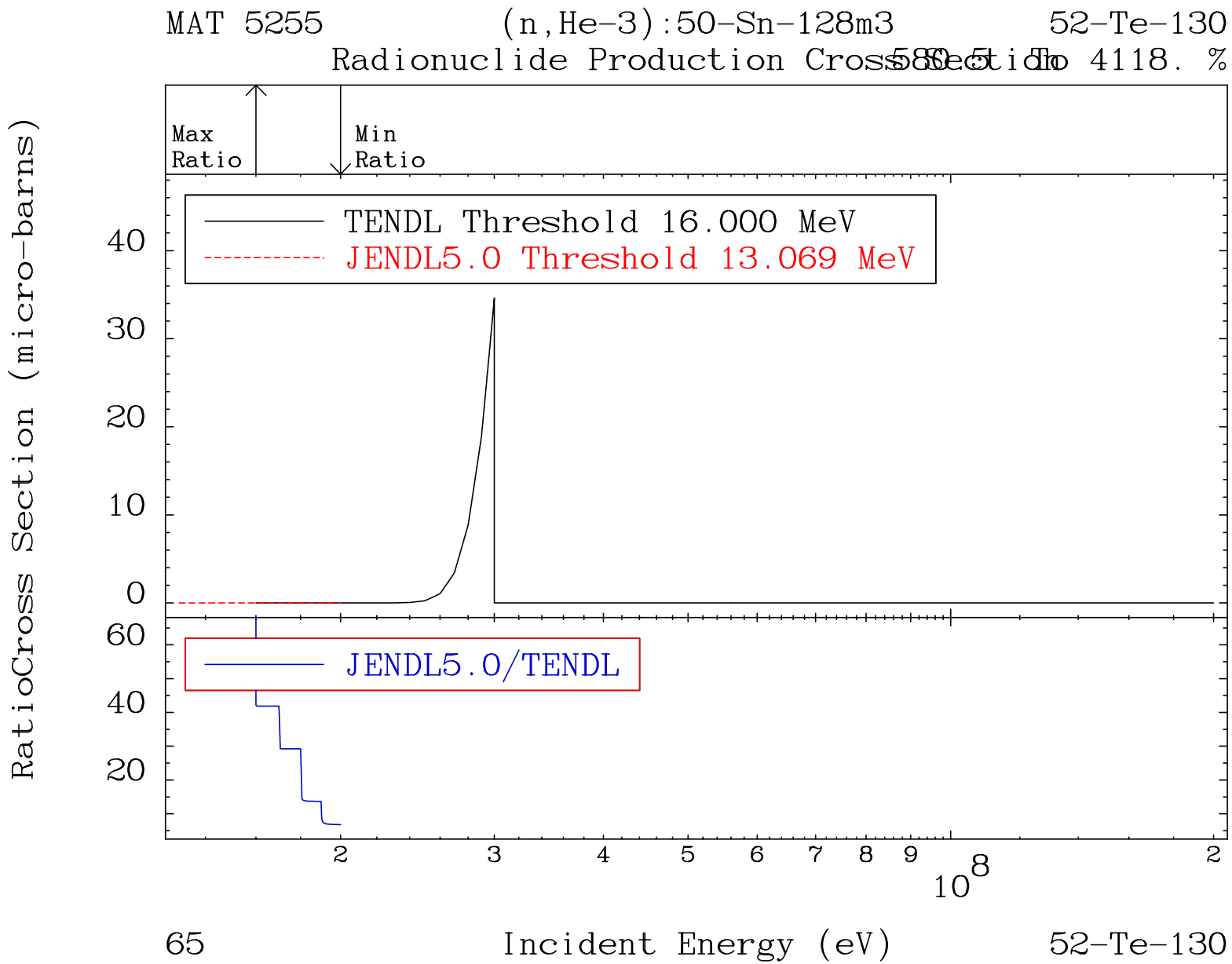

MAT 5255
(n,d):51-Sb-129g
52-Te-130
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 7.8484 MeV
JENDL5.0 Threshold 7.8484 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
52-Te-130

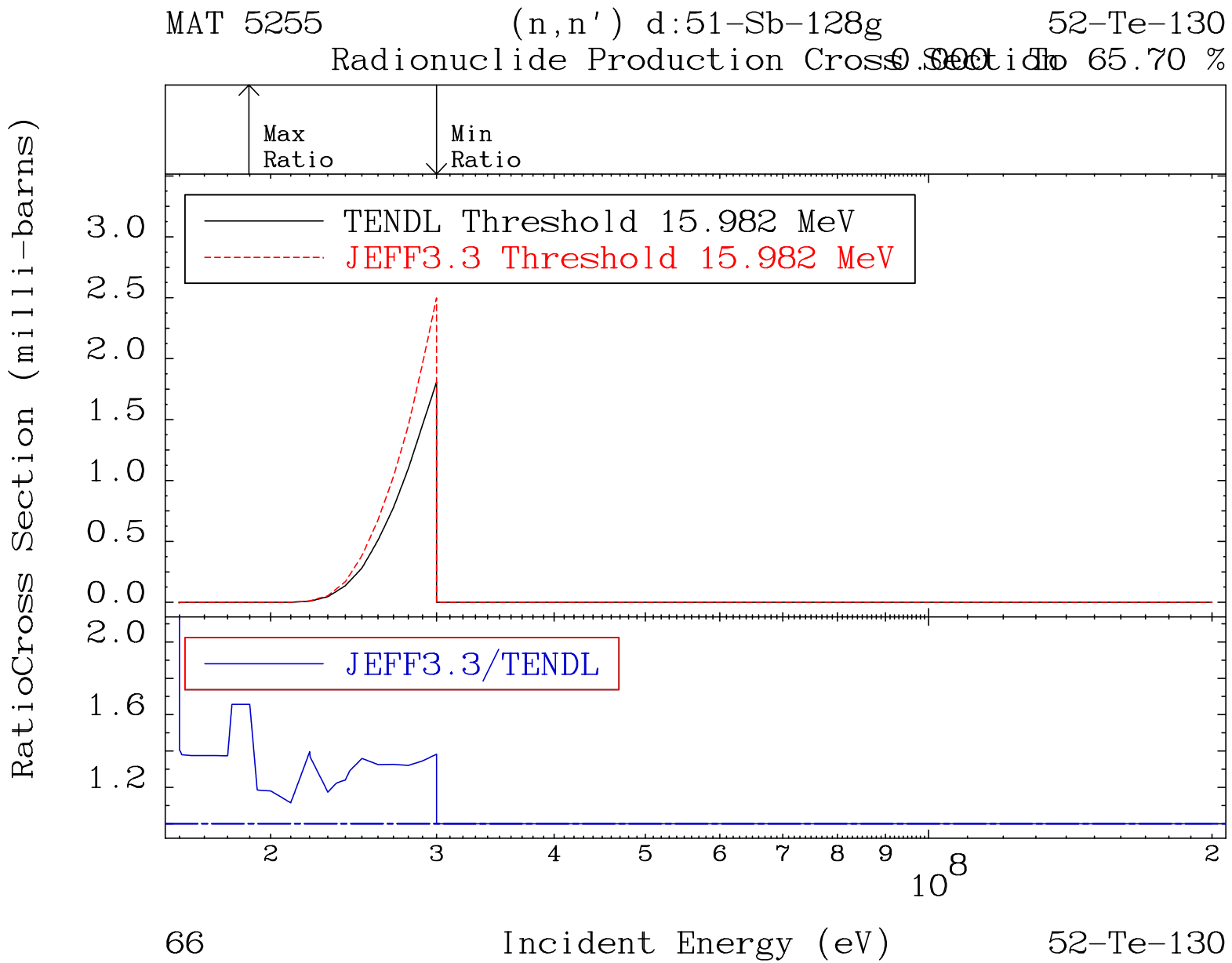

MAT 5255
(n,d):51-Sb-129m11
52-Te-130
Radionuclide Production Cross-Section To 1984. %
Max
Ratio
TENDL Threshold 10.500 MeV
JENDL5.0 Threshold 9.7140 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
52-Te-130

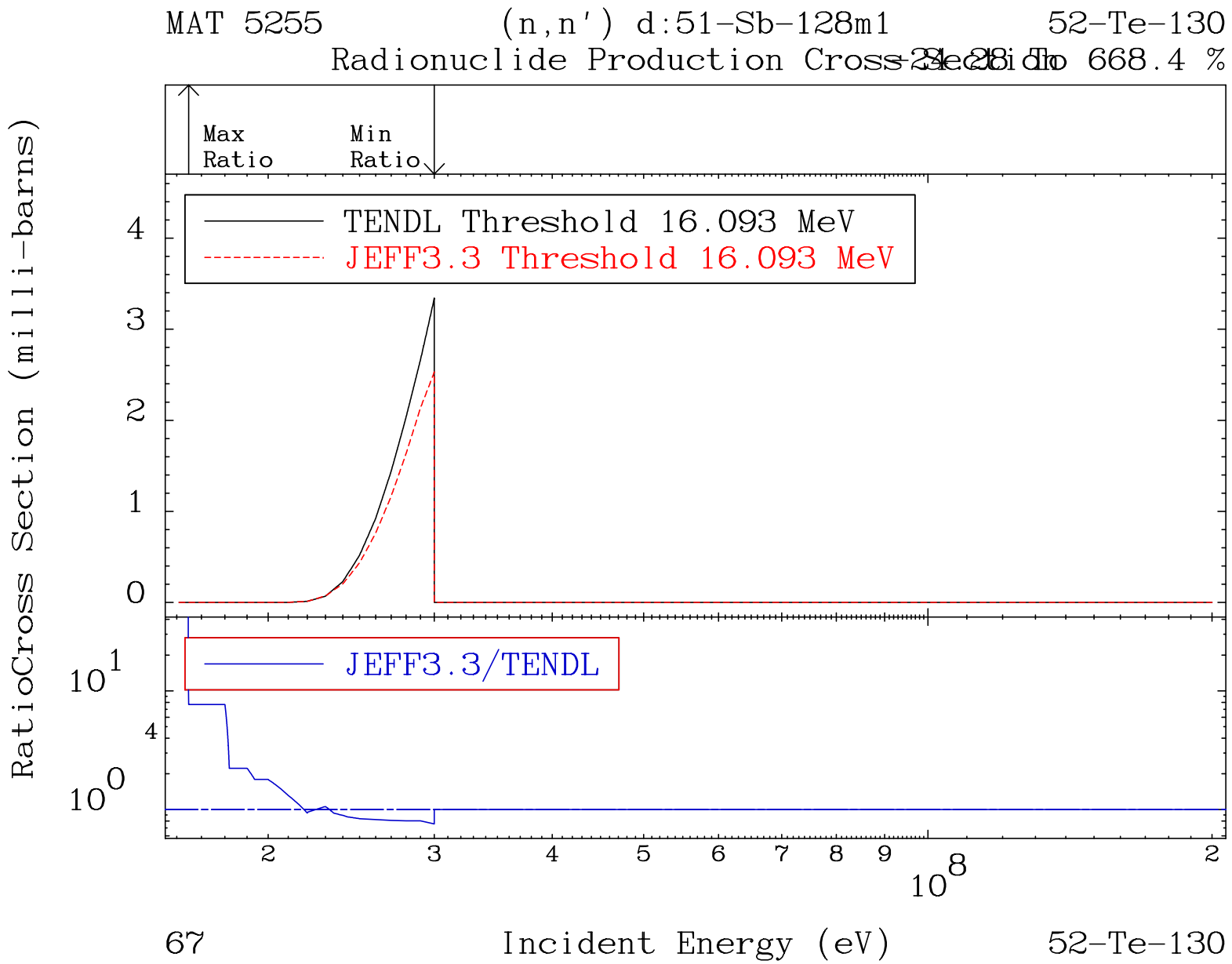

MAT 5255
(n,t):51-Sb-128g
52-Te-130
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 9.6761 MeV
JENDL5.0 Threshold 9.6961 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
30
20
10
0
10^7
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
52-Te-130

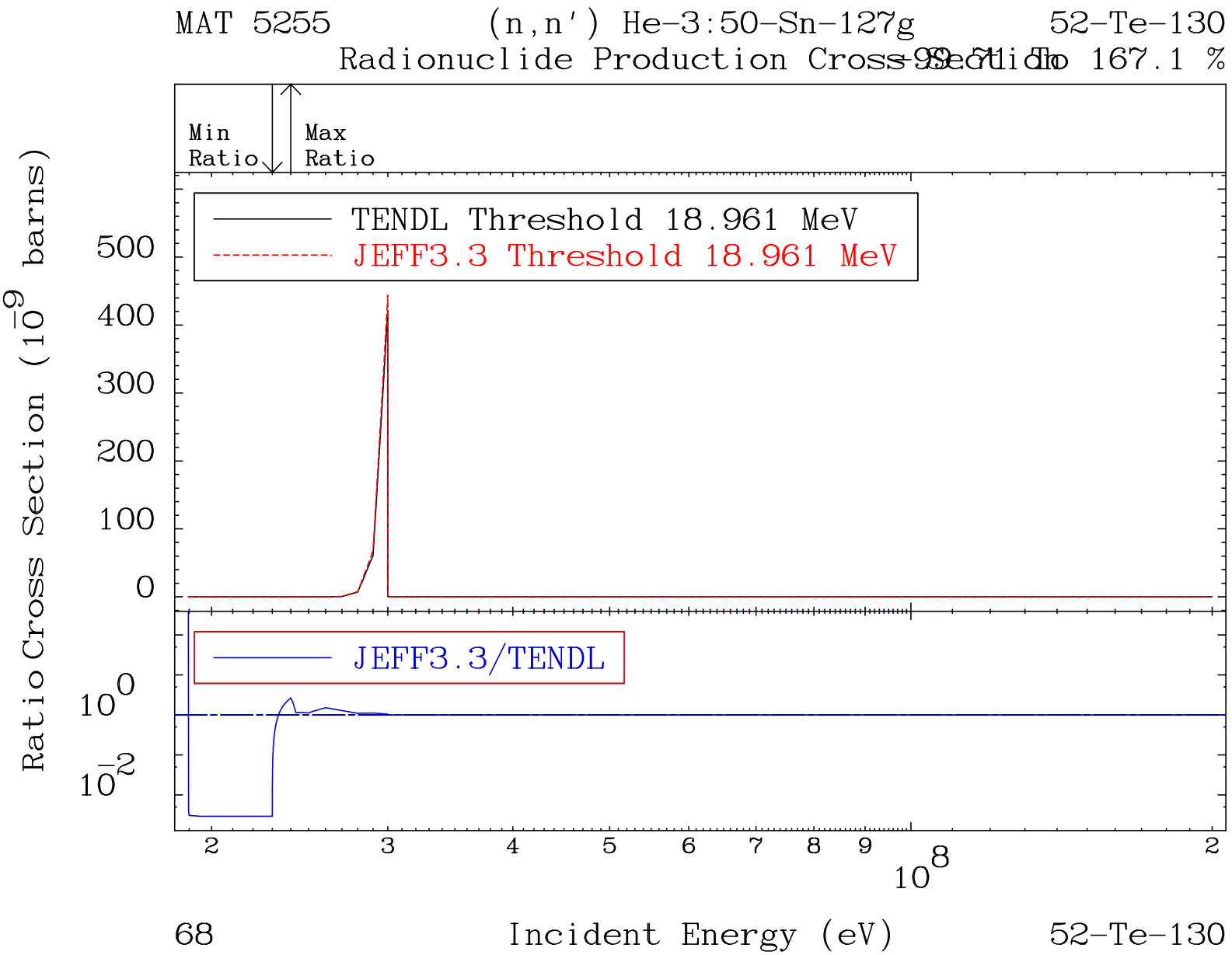

MAT 5255
(n,t):51-Sb-128m1
52-Te-130
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 9.7870 MeV
JENDL5.0 Threshold 9.6962 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
10^6
10^3
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
52-Te-130

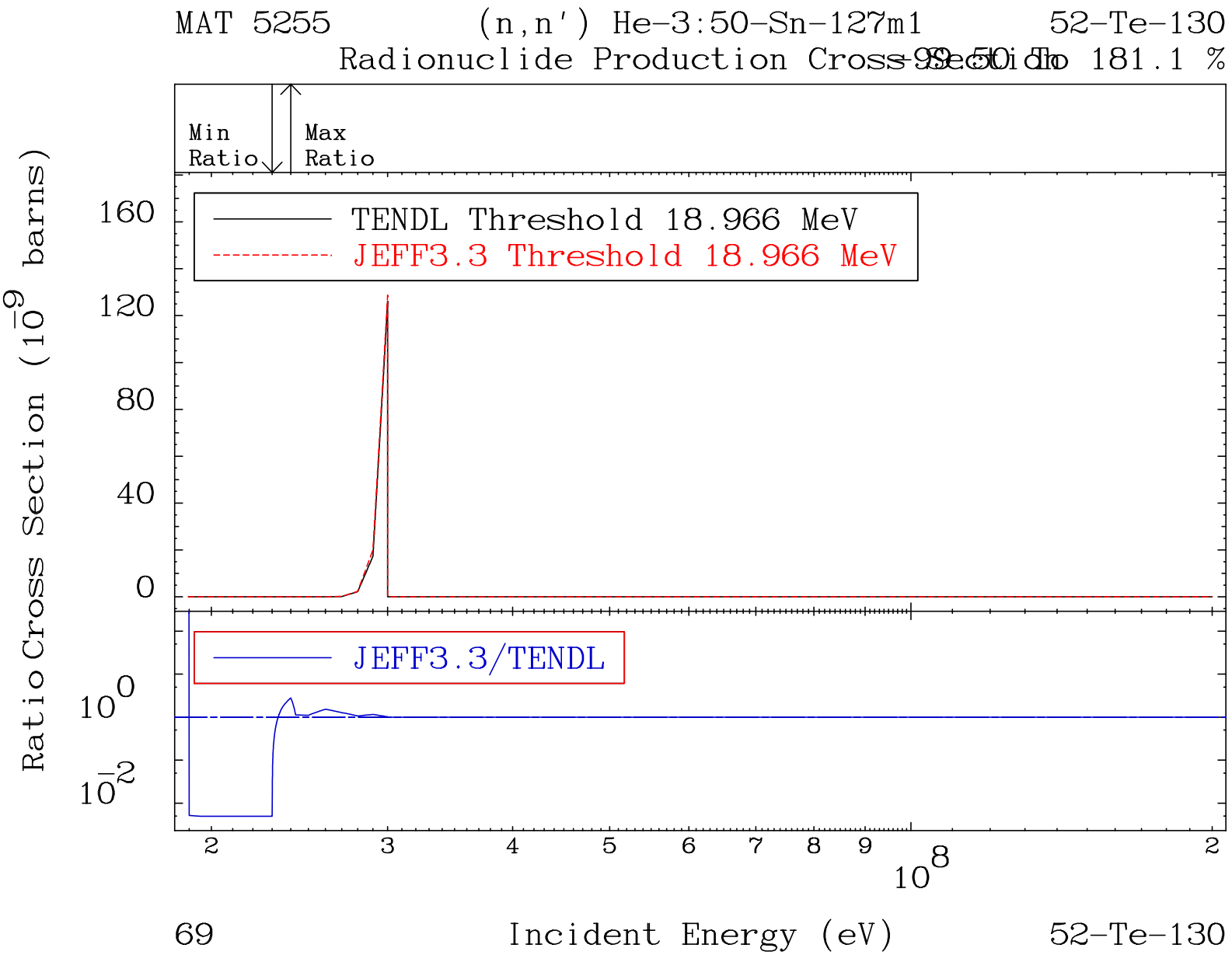

MAT 5255
(n,He-3):50-Sn-128g
52-Te-130
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.936 MeV
JENDL5.0 Threshold 10.961 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
600
400
200
0
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
52-Te-130

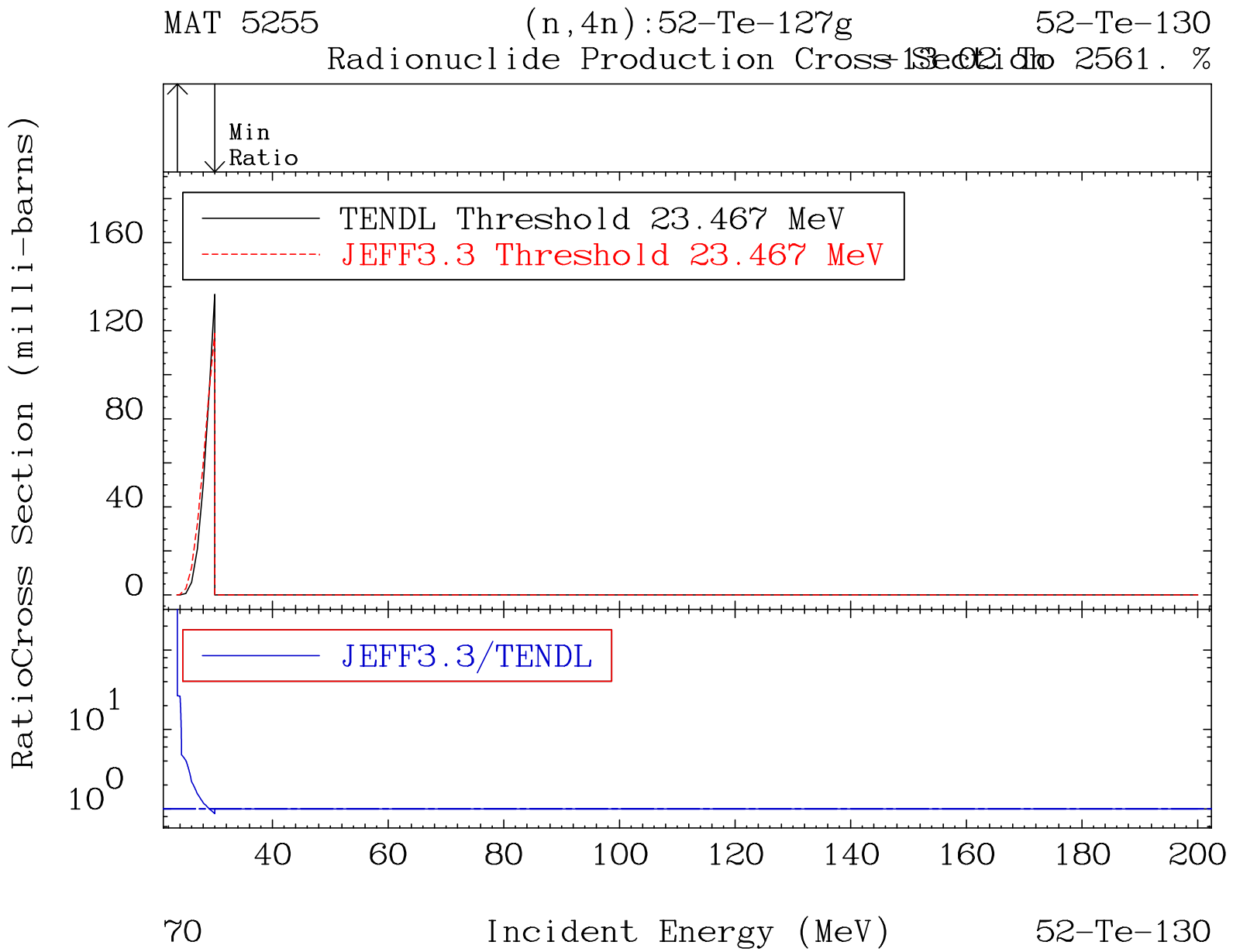

MAT 5255
(n,He-3):50-Sn-128m3
52-Te-130
Radionuclide Production Cross Section To 4118. %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
JENDL5.0 Threshold 13.069 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
65
52-Te-130

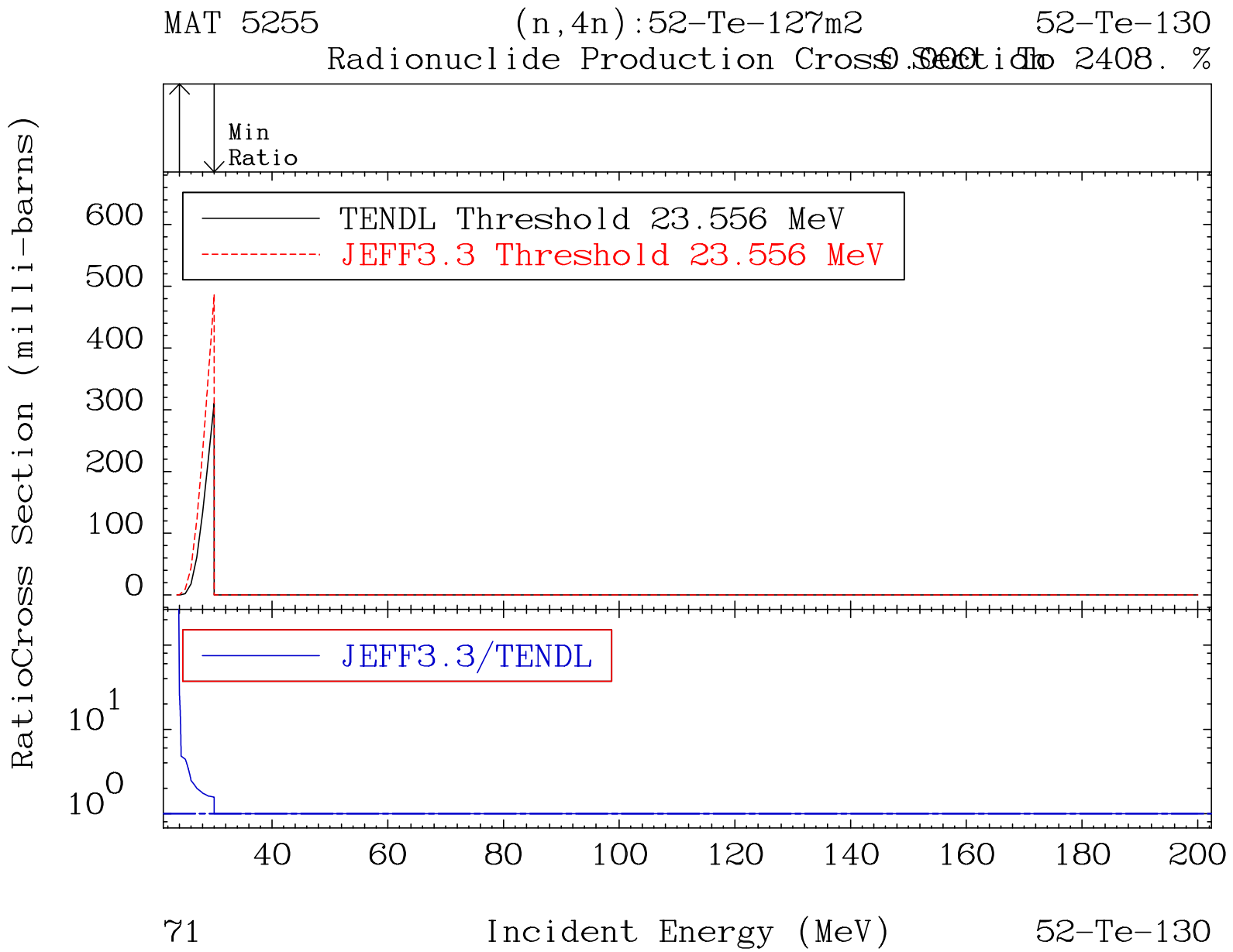

MAT 5255
(n,n') d:51-Sb-128g
52-Te-130
Radionuclide Production Cross Section
0.000 To 65.70 %
Max Ratio
Min Ratio
TENDL Threshold 15.982 MeV
JEFF3.3 Threshold 15.982 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
52-Te-130

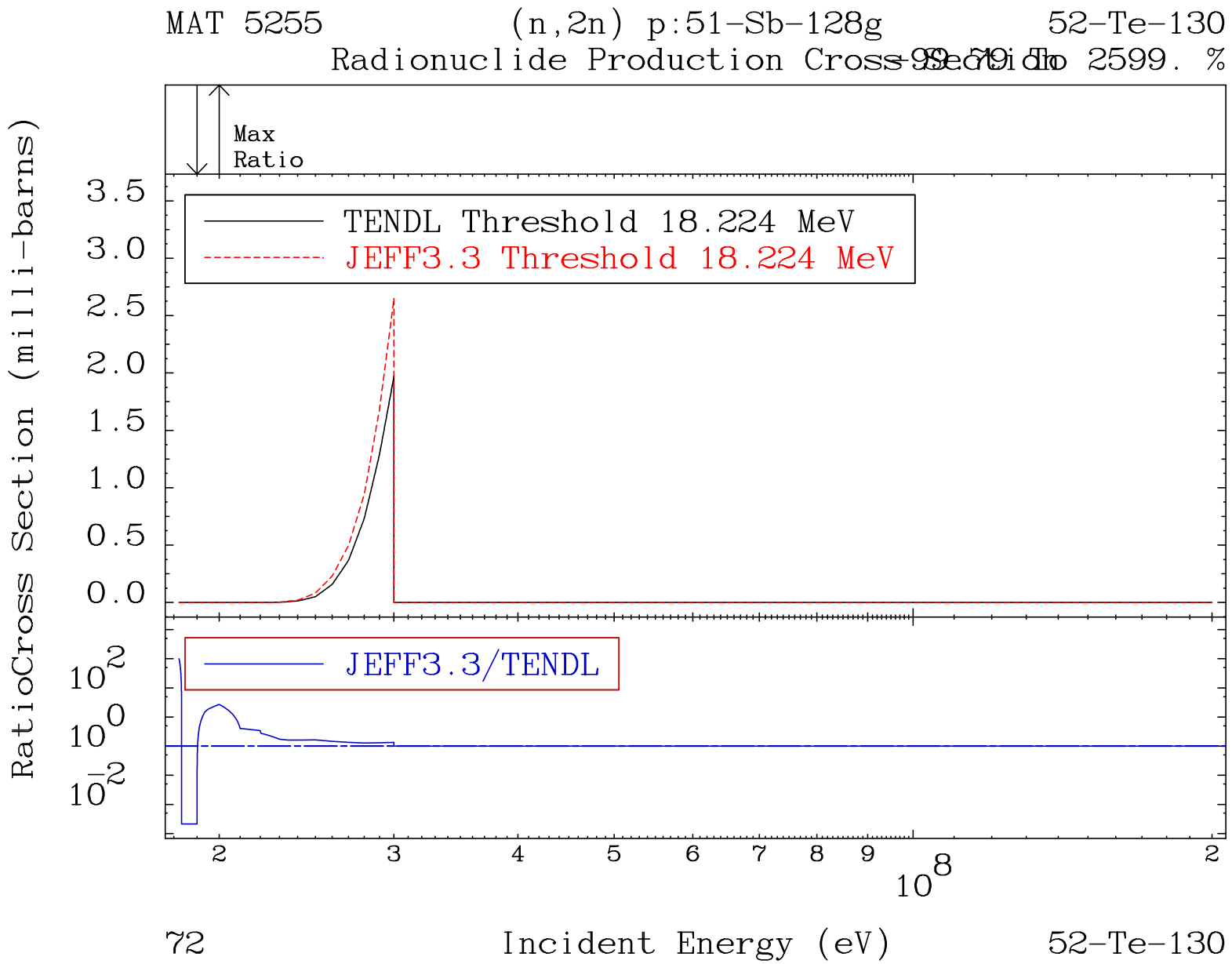

MAT 5255 (n,n') d:51-Sb-128m1 52-Te-130
Radionuclide Production Cross-Section To 668.4 %
Max Ratio
Min Ratio
TENDL Threshold 16.093 MeV
JEFF3.3 Threshold 16.093 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
52-Te-130

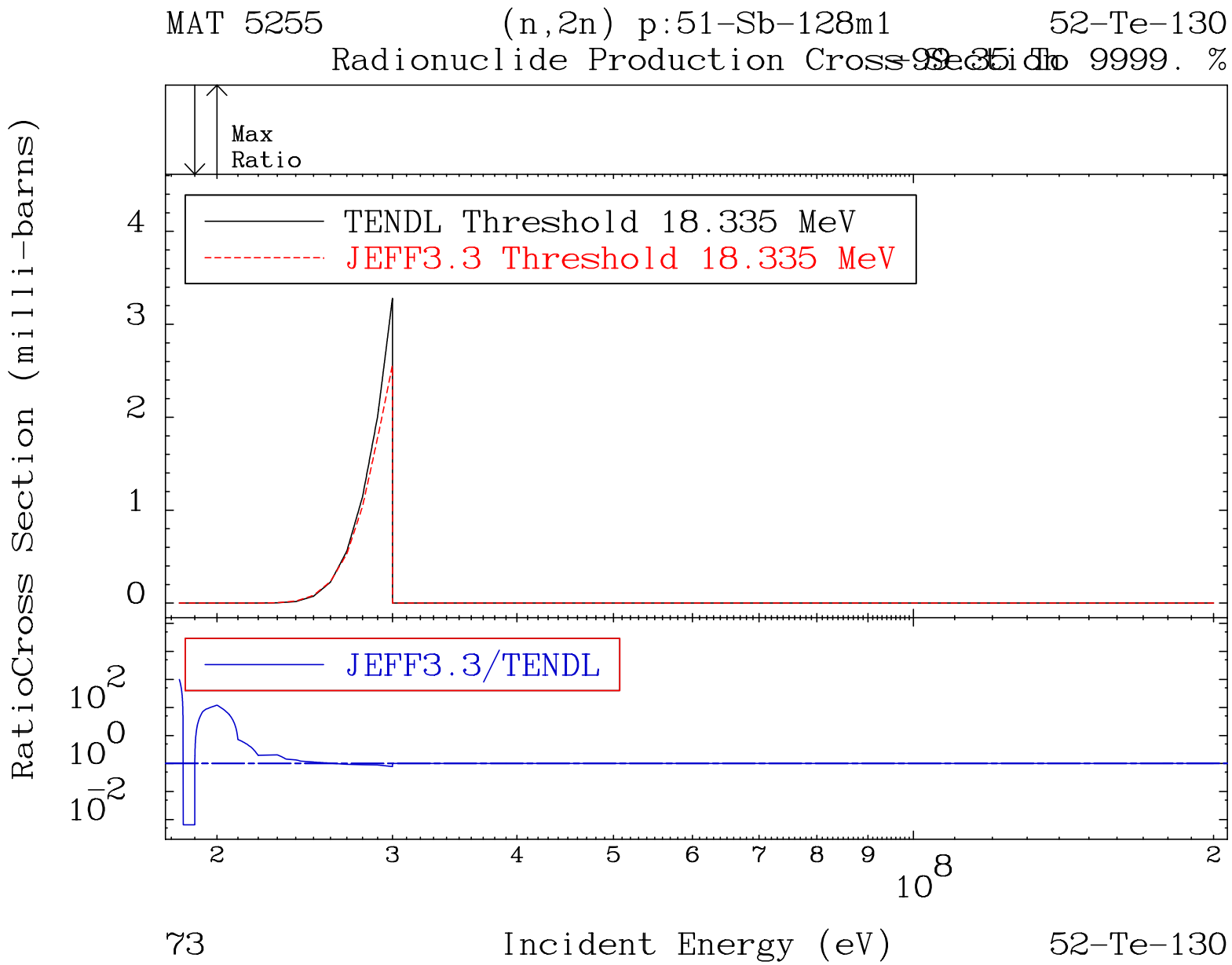

MAT 5255
(n,n') He-3:50-Sn-127g
52-Te-130
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 18.961 MeV
JEFF3.3 Threshold 18.961 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
500
400
300
200
100
0
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
52-Te-130

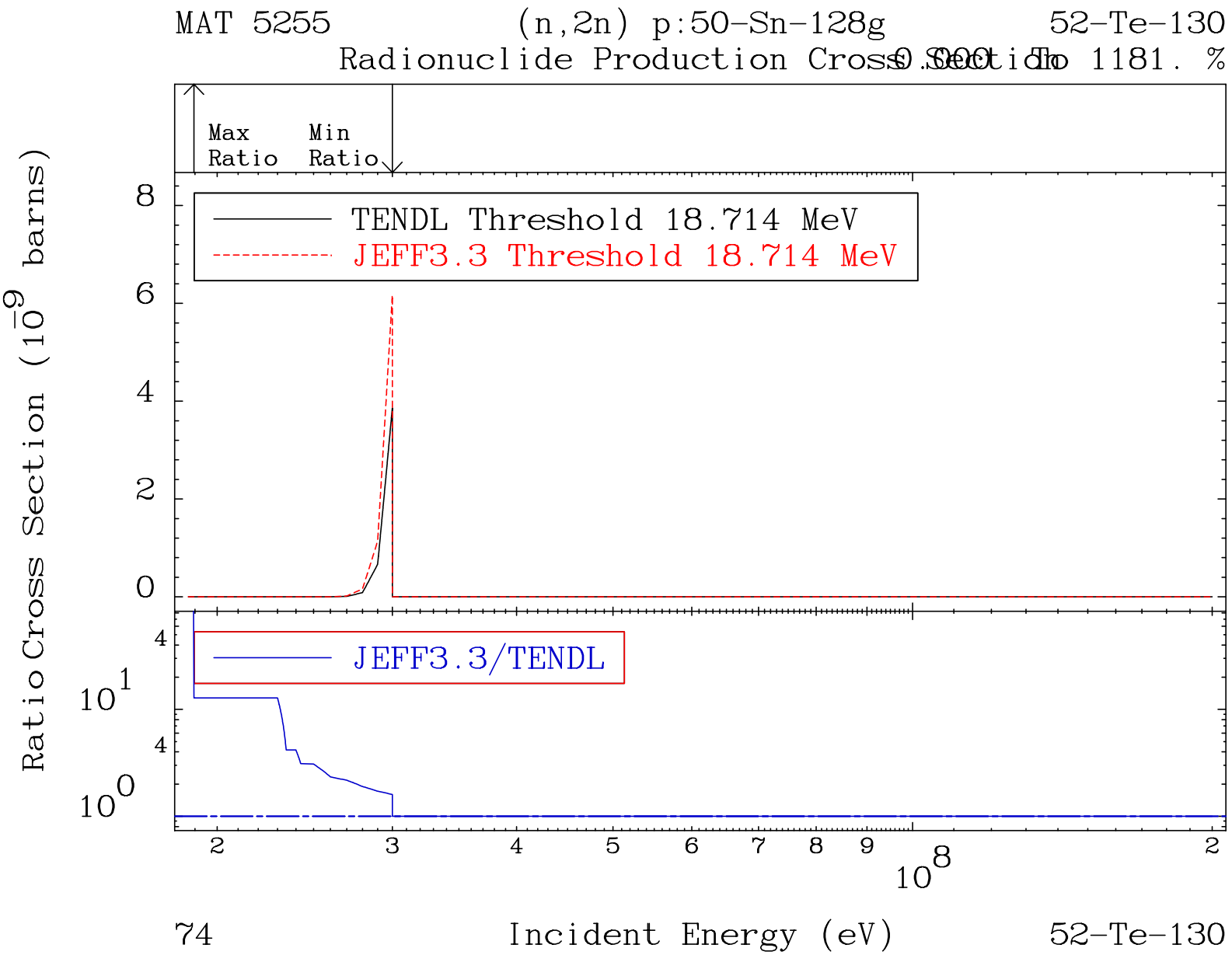

MAT 5255 (n,n') He-3:50-Sn-127m1 52-Te-130
Radionuclide Production Cross Section To 181.1 %
Min Ratio
Max Ratio
TENDL Threshold 18.966 MeV
JEFF3.3 Threshold 18.966 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
160
120
80
40
0
10^{0}
10^{-2}
2
3
4
5
6
7
8
9
10^{8}
2
69
Incident Energy (eV)
52-Te-130

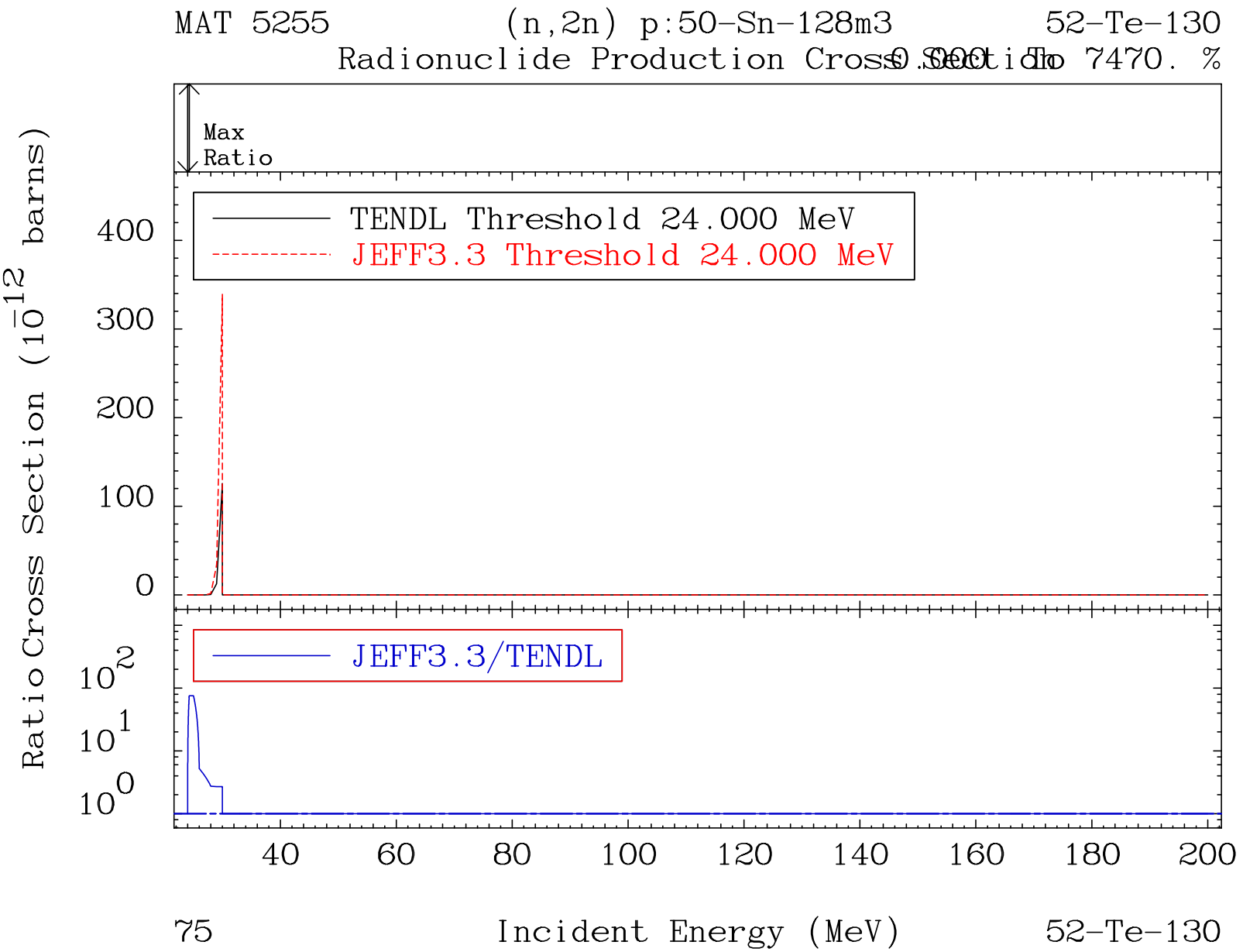

MAT 5255
(n,4n):52-Te-127g
52-Te-130
Radionuclide Production Cross Section To 2561. %
Min
Ratio
TENDL Threshold 23.467 MeV
JEFF3.3 Threshold 23.467 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^1
10^0
40
60
80
100
120
140
160
180
200
70
Incident Energy (MeV)
52-Te-130

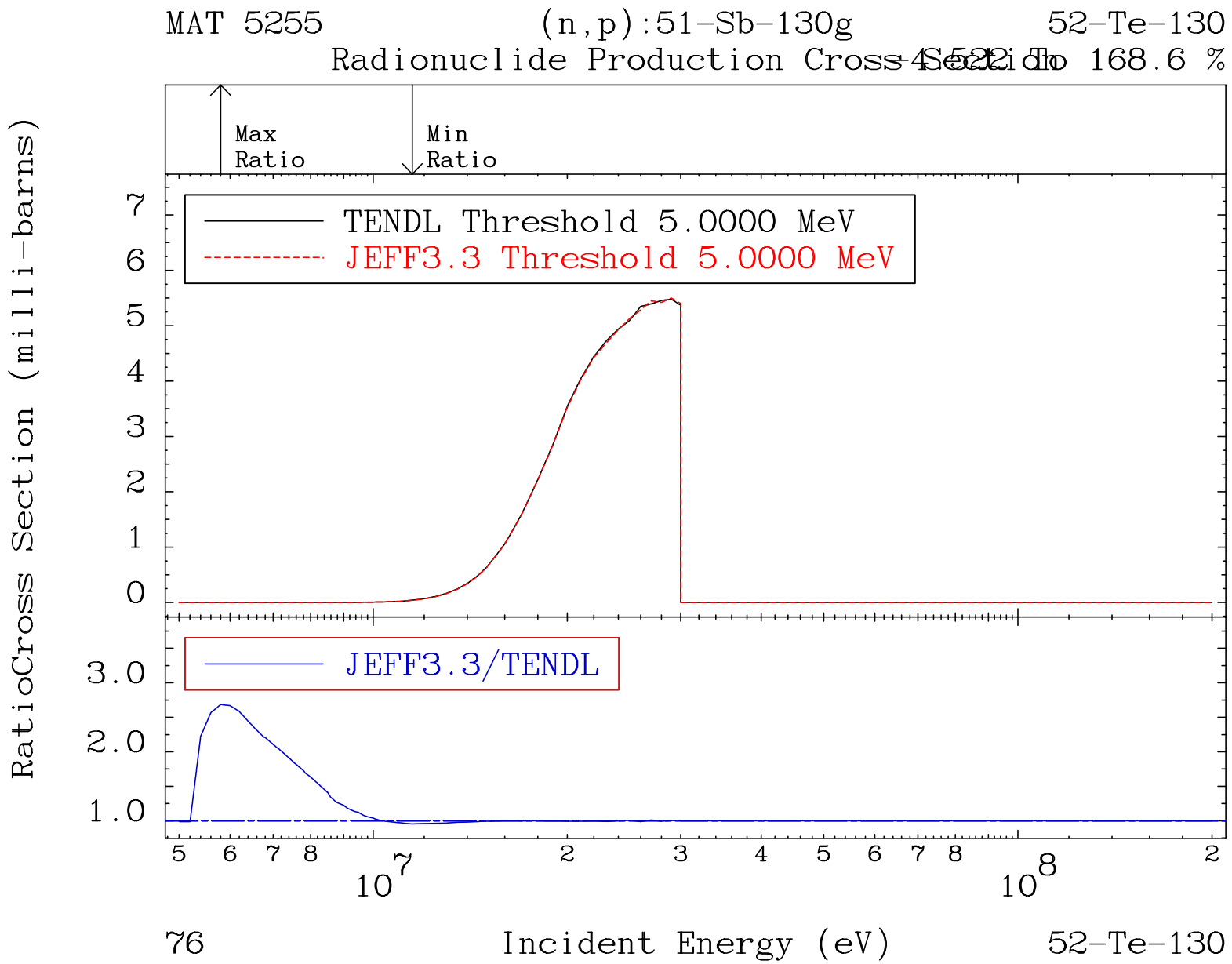

MAT 5255
(n,4n):52-Te-127m2
52-Te-130
Radionuclide Production Cross Section
0.000 To 2408. %
Min
Ratio
TENDL Threshold 23.556 MeV
JEFF3.3 Threshold 23.556 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
10^1
10^0
40
60
80
100
120
140
160
180
200
71
Incident Energy (MeV)
52-Te-130

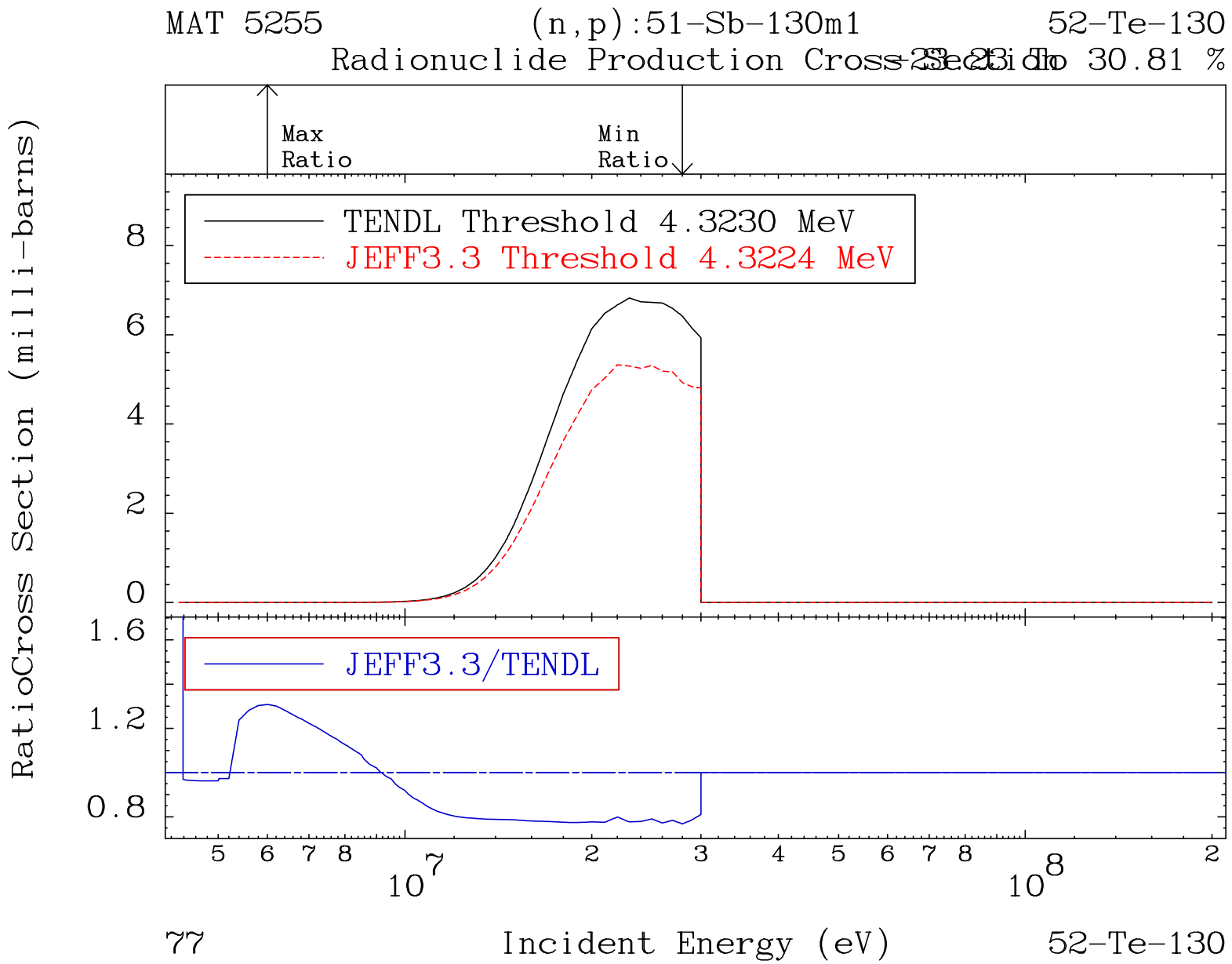

MAT 5255
(n,2n) p:51-Sb-128g
52-Te-130
Radionuclide Production Cross-Section To 2599. %
Max
Ratio
TENDL Threshold 18.224 MeV
JEFF3.3 Threshold 18.224 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
52-Te-130

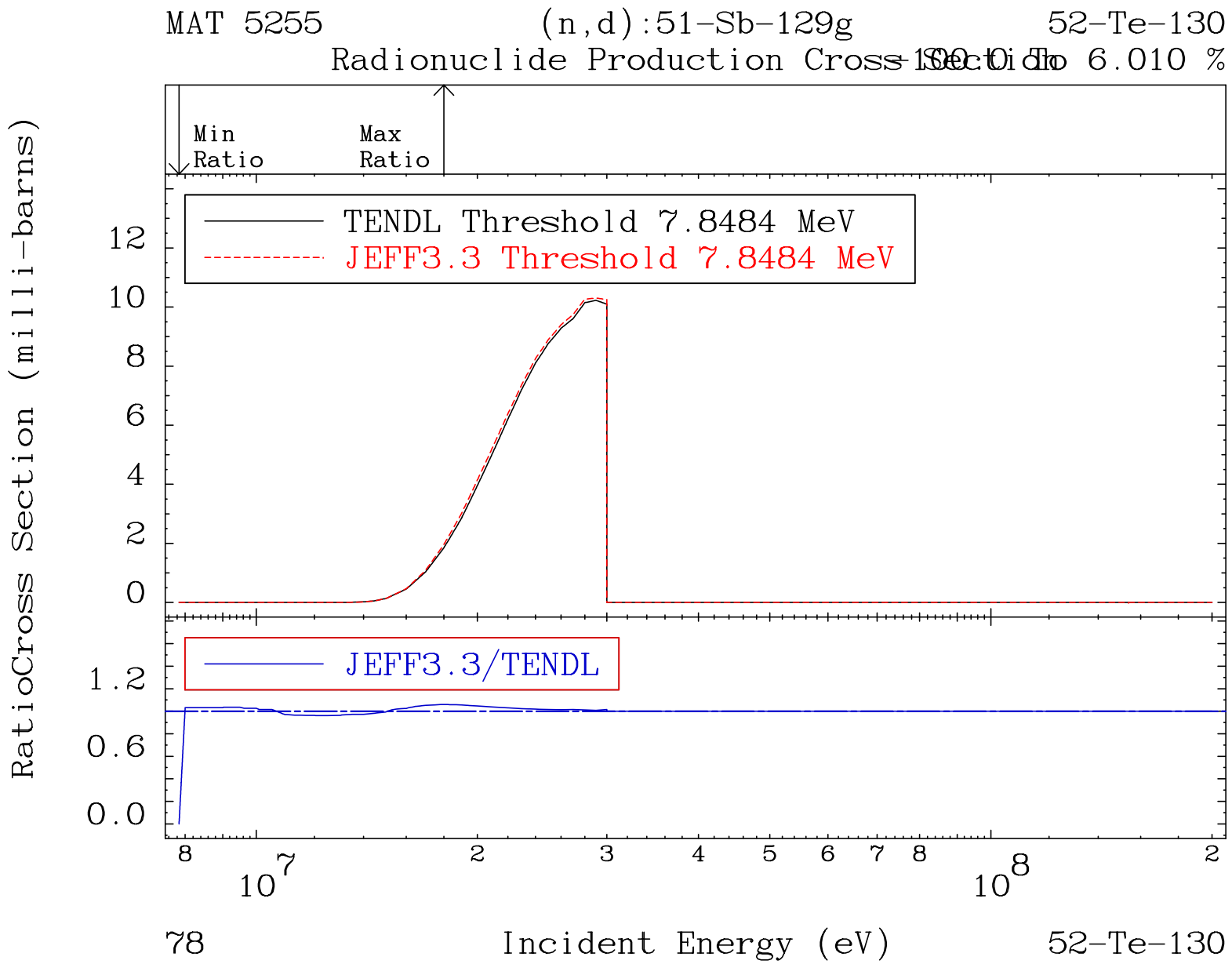

MAT 5255 (n,2n) p:51-Sb-128m1 52-Te-130
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 18.335 MeV
JEFF3.3 Threshold 18.335 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
52-Te-130

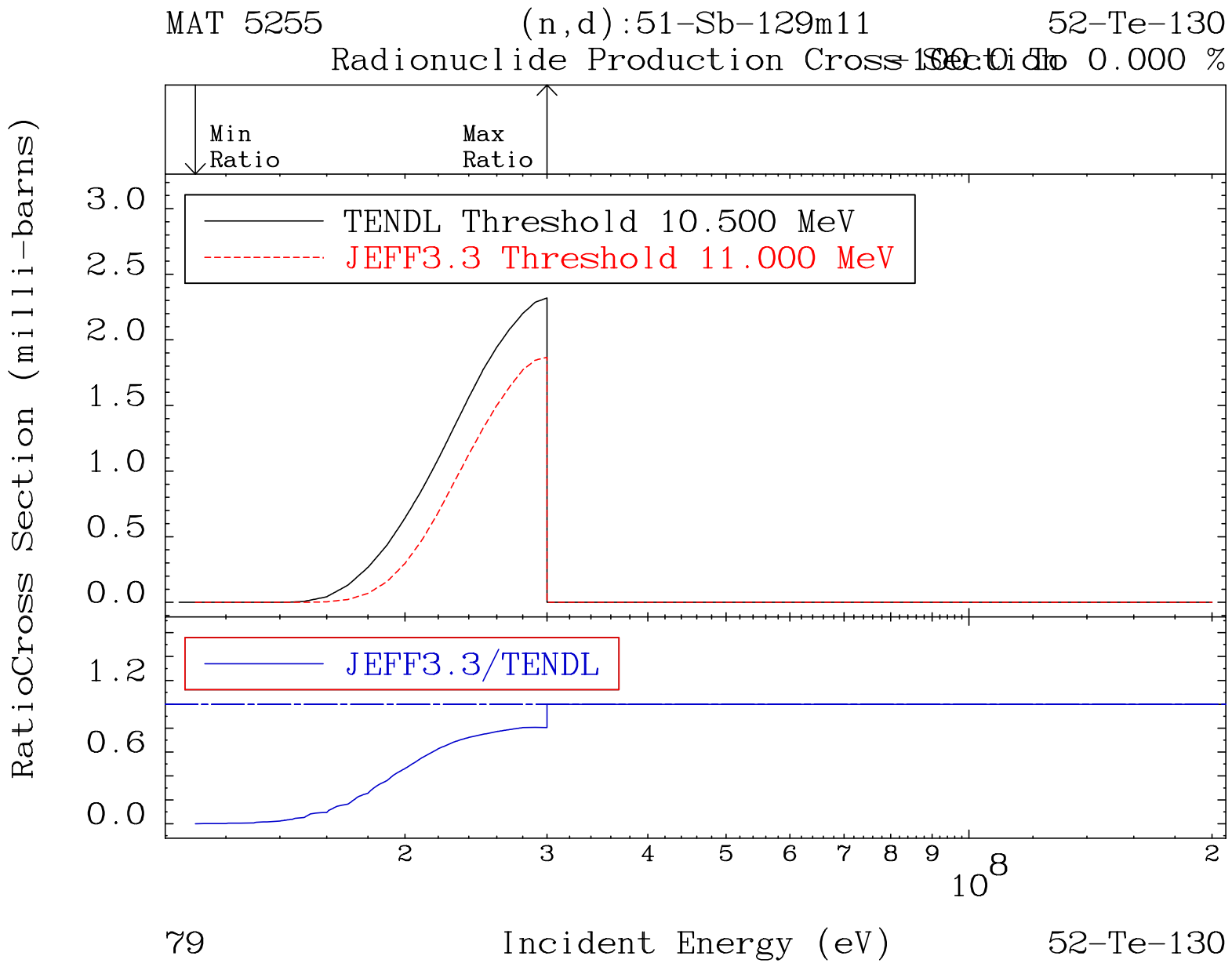

MAT 5255
(n,2n) p:50-Sn-128g
52-Te-130
Radionuclide Production Cross Section
0.000 To 1181. %
Max Ratio
Min Ratio
TENDL Threshold 18.714 MeV
JEFF3.3 Threshold 18.714 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
74
52-Te-130

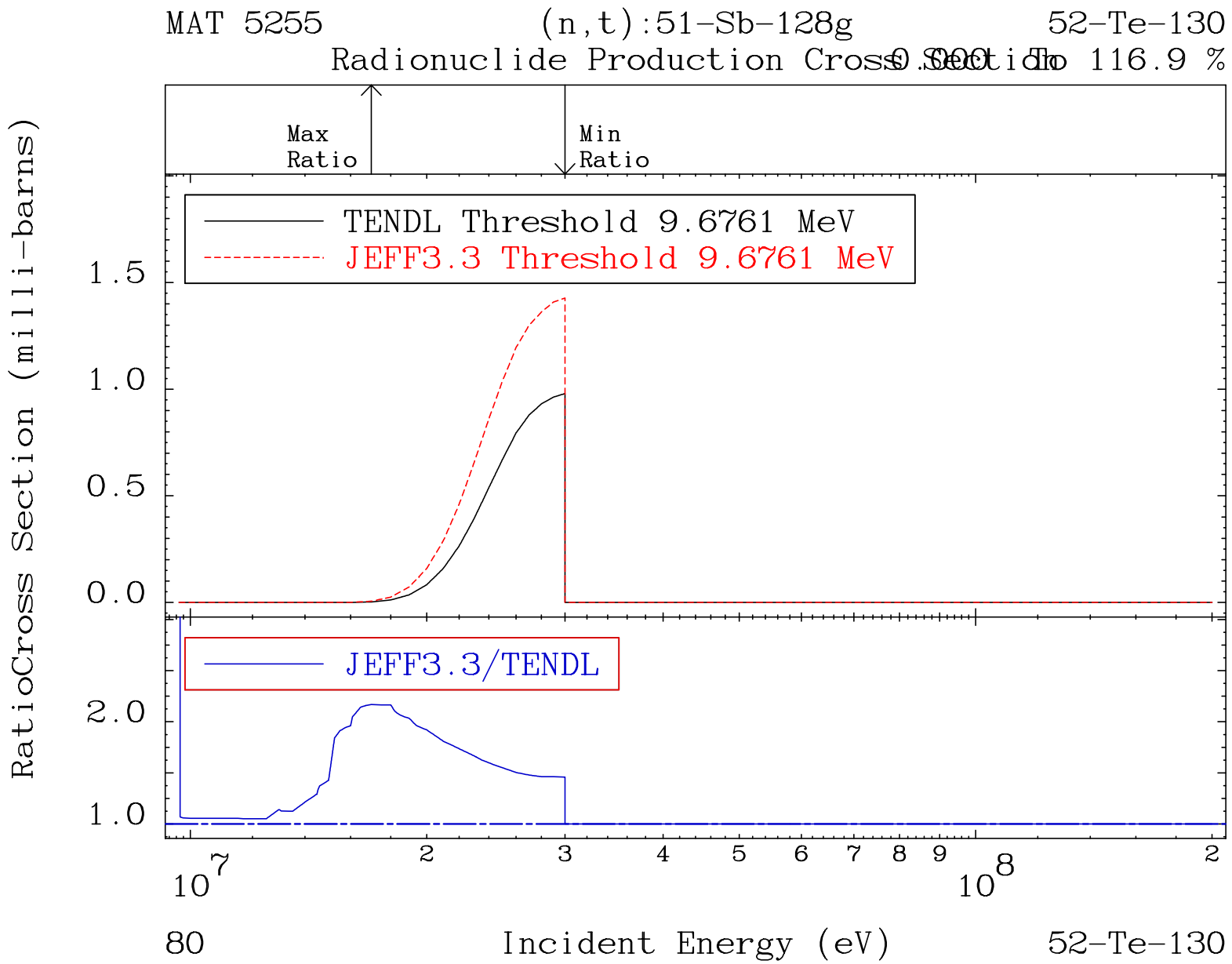

MAT 5255 (n,2n) p:50-Sn-128m3 52-Te-130
Radionuclide Production Cross Section
0.000 To 7470. %
Max
Ratio
TENDL Threshold 24.000 MeV
JEFF3.3 Threshold 24.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-12} barns)
400
300
200
100
0
10^2
10^1
10^0
40
60
80
100
120
140
160
180
200
75
Incident Energy (MeV)
52-Te-130

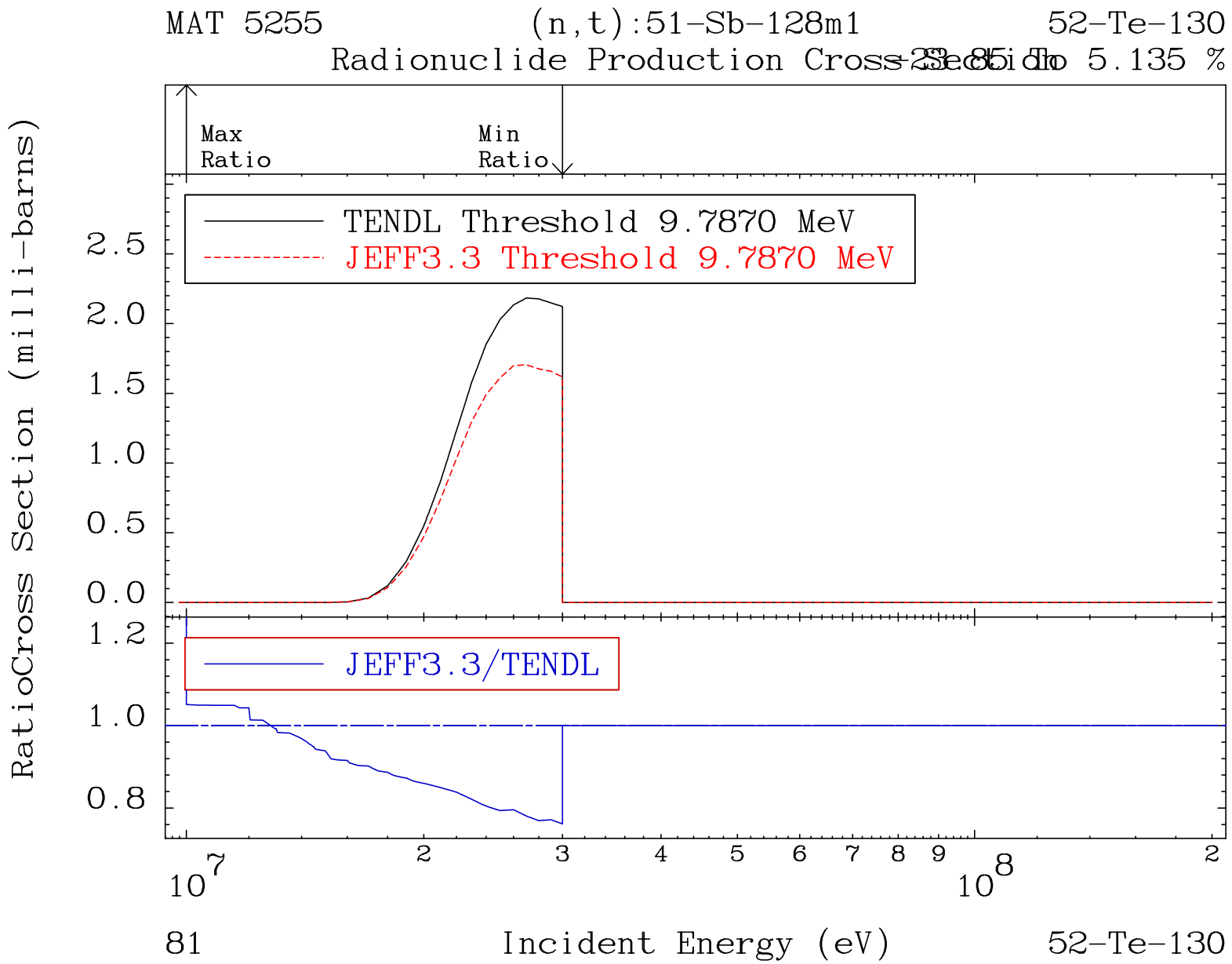

MAT 5255
(n,p):51-Sb-130g
52-Te-130
Radionuclide Production Cross-Section To 168.6 %
Max Ratio
Min Ratio
TENDL Threshold 5.0000 MeV
JEFF3.3 Threshold 5.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
52-Te-130

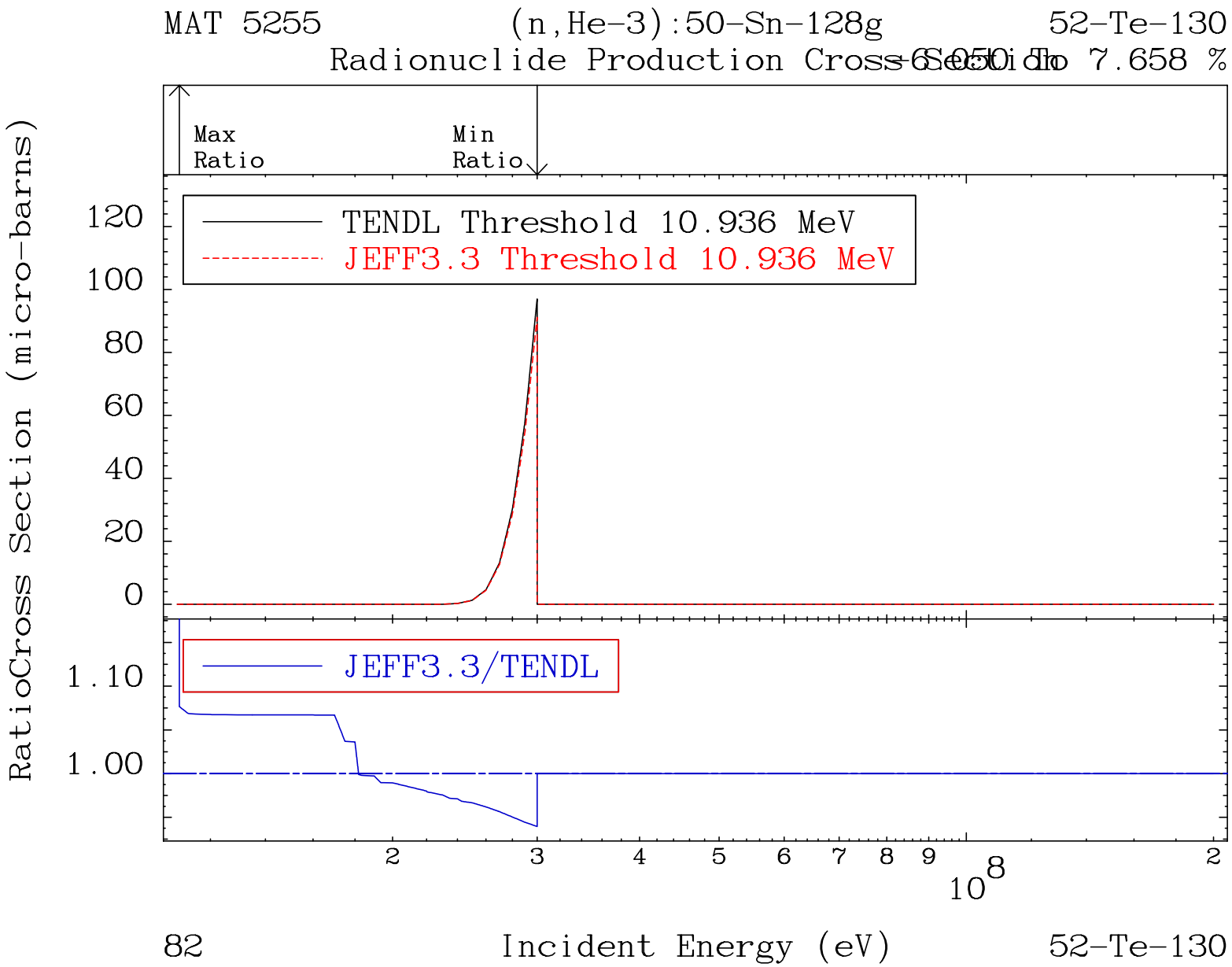

MAT 5255
(n,p):51-Sb-130m1
52-Te-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 4.3230 MeV
JEFF3.3 Threshold 4.3224 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
52-Te-130

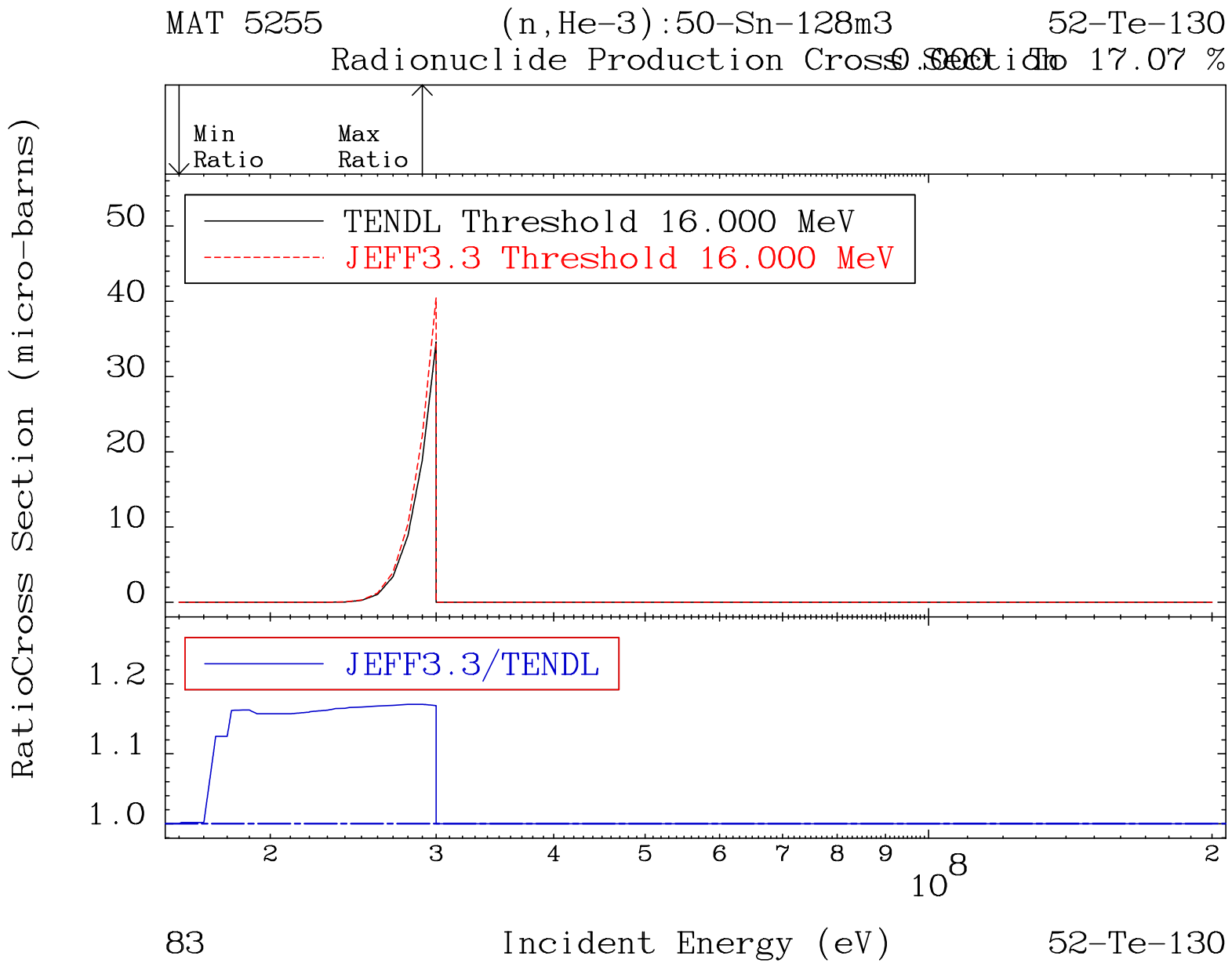

MAT 5255
(n,d):51-Sb-129g
52-Te-130
Radionuclide Production Cross Section To 6.010 %
Min Ratio
Max Ratio
TENDL Threshold 7.8484 MeV
JEFF3.3 Threshold 7.8484 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
78
Incident Energy (eV)
52-Te-130

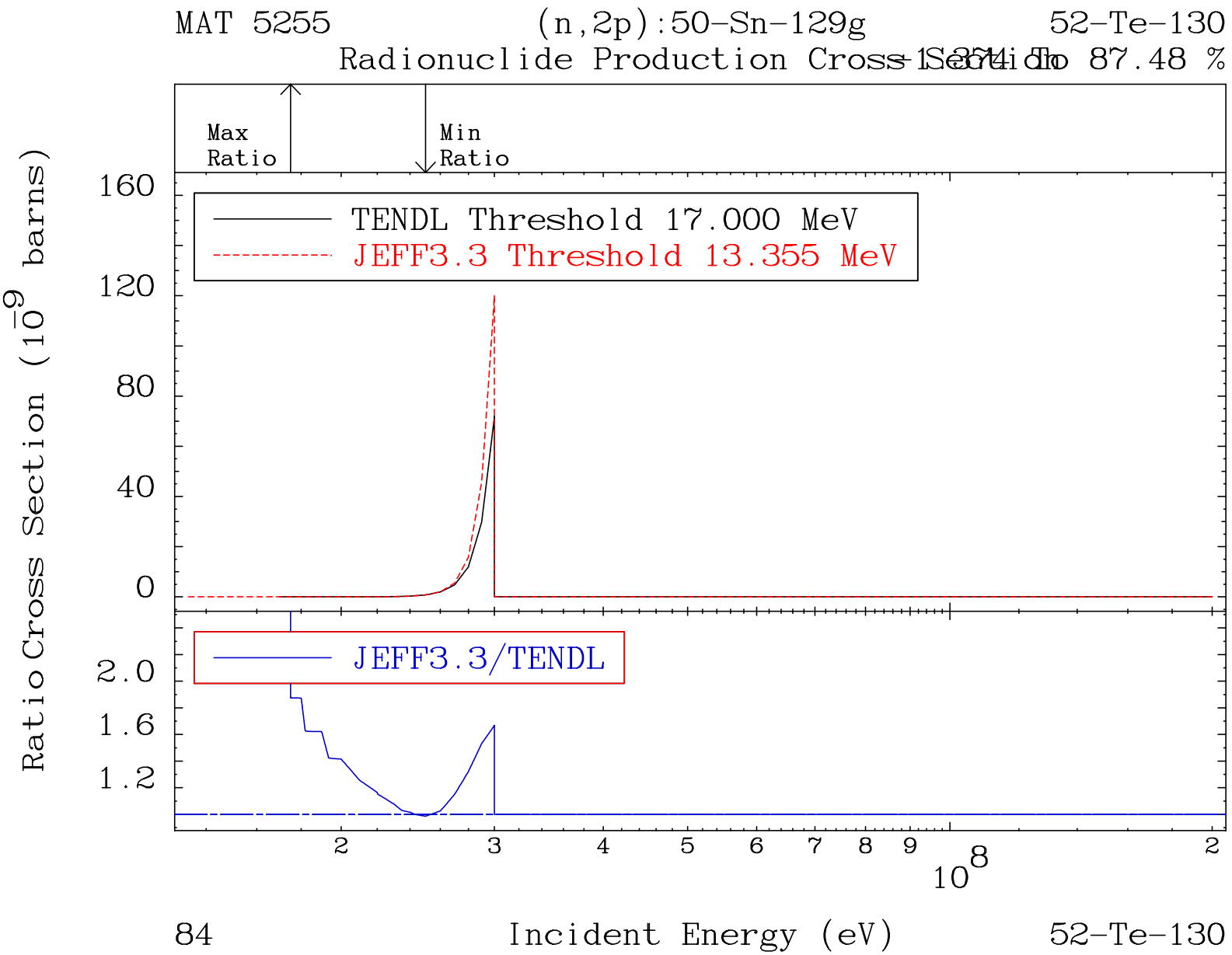

MAT 5255
(n,d):51-Sb-129m11
52-Te-130
Radionuclide Production Cross Section To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.500 MeV
JEFF3.3 Threshold 11.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
52-Te-130

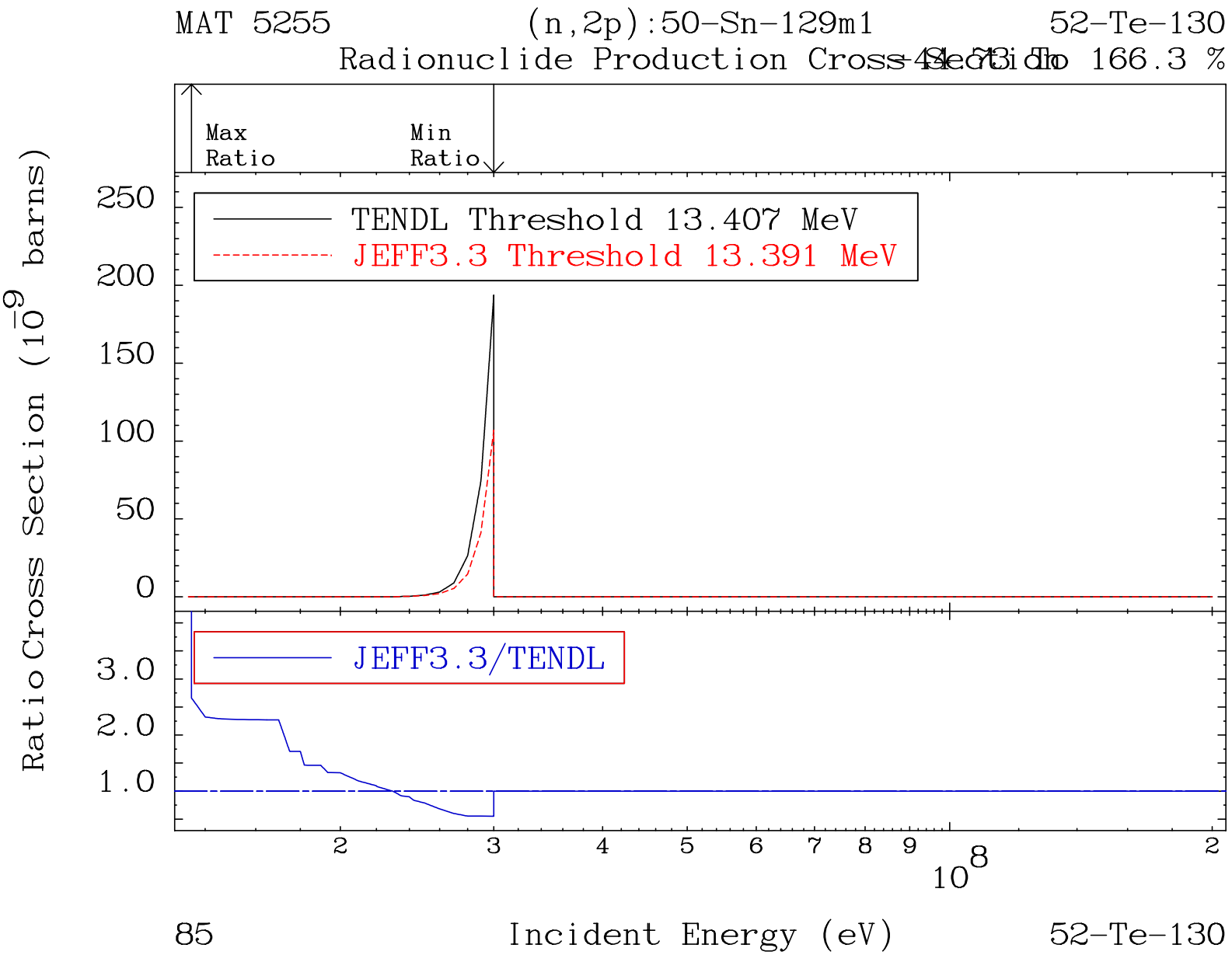

MAT 5255
(n,t):51-Sb-128g
52-Te-130
Radionuclide Production Cross Section
0.000 To 116.9 %
Max Ratio
Min Ratio
TENDL Threshold 9.6761 MeV
JEFF3.3 Threshold 9.6761 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
2.0
1.0
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
52-Te-130

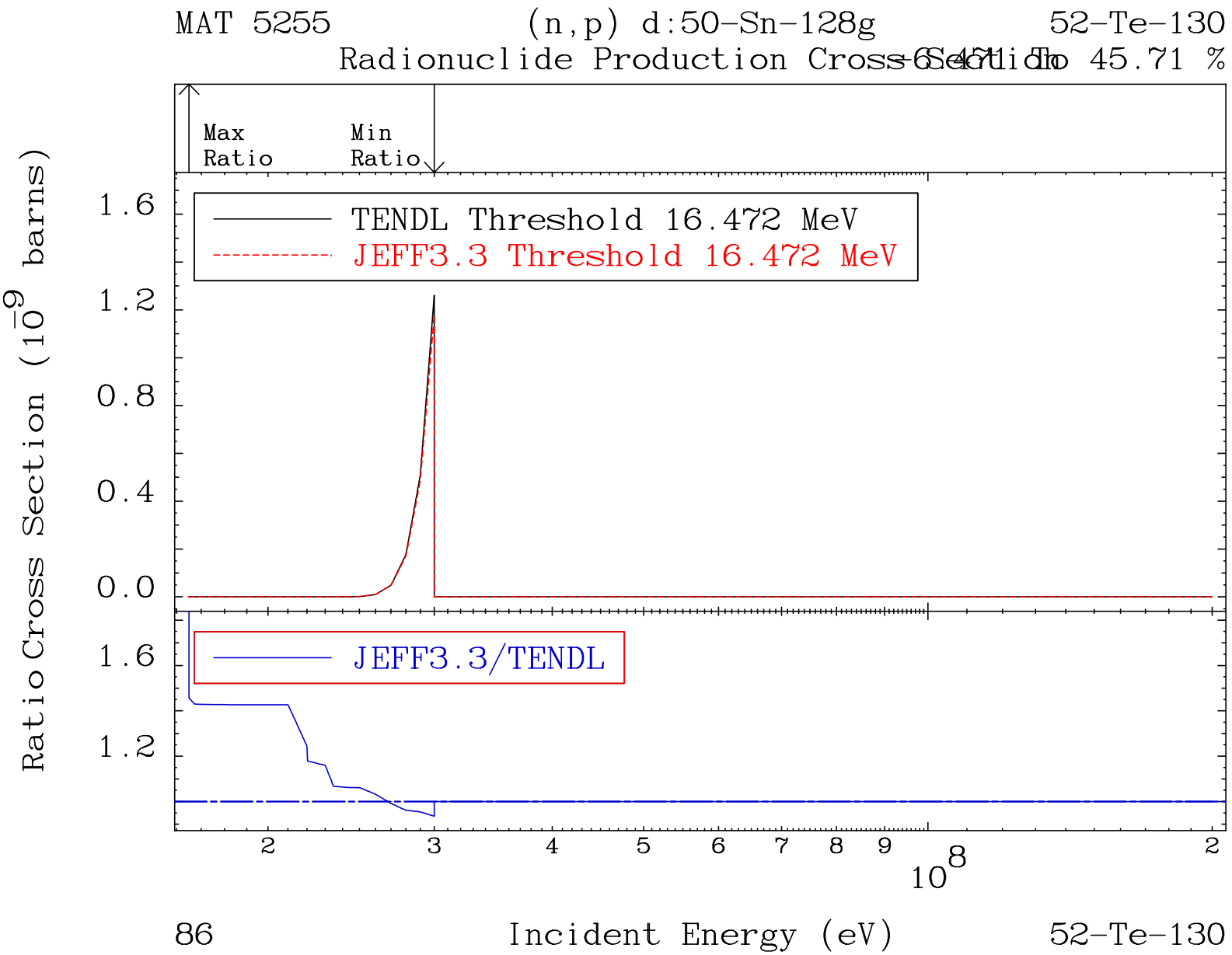

MAT 5255
(n,t):51-Sb-128m1
52-Te-130
Radionuclide Production Cross Section To 5.135 %
Max Ratio
Min Ratio
TENDL Threshold 9.7870 MeV
JEFF3.3 Threshold 9.7870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
1.2
1.0
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
52-Te-130

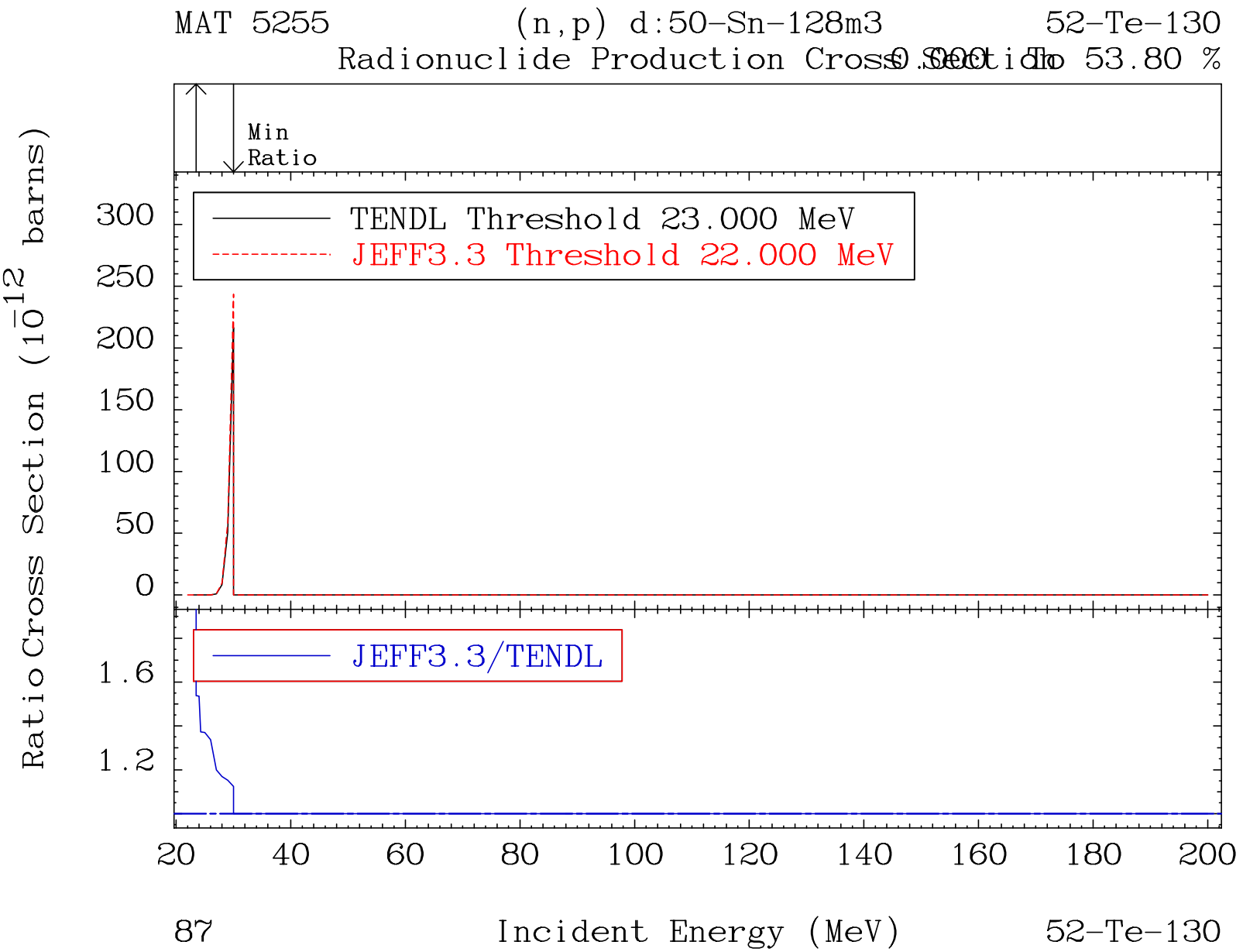

MAT 5255
(n,He-3):50-Sn-128g
52-Te-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.936 MeV
JEFF3.3 Threshold 10.936 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
1.10
1.00
2
3
4
5
6
7
8
9
2
10^8
82
Incident Energy (eV)
52-Te-130


MAT 5255
(n,He-3):50-Sn-128m3
52-Te-130
Radionuclide Production Cross Section
0.000 To 17.07 %
Min Ratio
Max Ratio
TENDL Threshold 16.000 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
50
40
30
20
10
0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
52-Te-130


MAT 5255
(n,2p):50-Sn-129g
52-Te-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 13.355 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
160
120
80
40
0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-130


MAT 5255
(n,2p):50-Sn-129m1
52-Te-130
Radionuclide Production Cross Section To 166.3 %
Max Ratio
Min Ratio
TENDL Threshold 13.407 MeV
JEFF3.3 Threshold 13.391 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
250
200
150
100
50
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-130


MAT 5255
(n,p) d:50-Sn-128g
52-Te-130
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 16.472 MeV
JEFF3.3 Threshold 16.472 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
1.6
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
Incident Energy (eV)
86
52-Te-130


MAT 5255
(n,p) d:50-Sn-128m3
52-Te-130
Radionuclide Production Cross Section
0.000 To 53.80 %
Min
Ratio
TENDL Threshold 23.000 MeV
JEFF3.3 Threshold 22.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-12} barns)
300
250
200
150
100
50
0
1.6
1.2
20
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
52-Te-130