Program Complot
(Version 2018-1)
by
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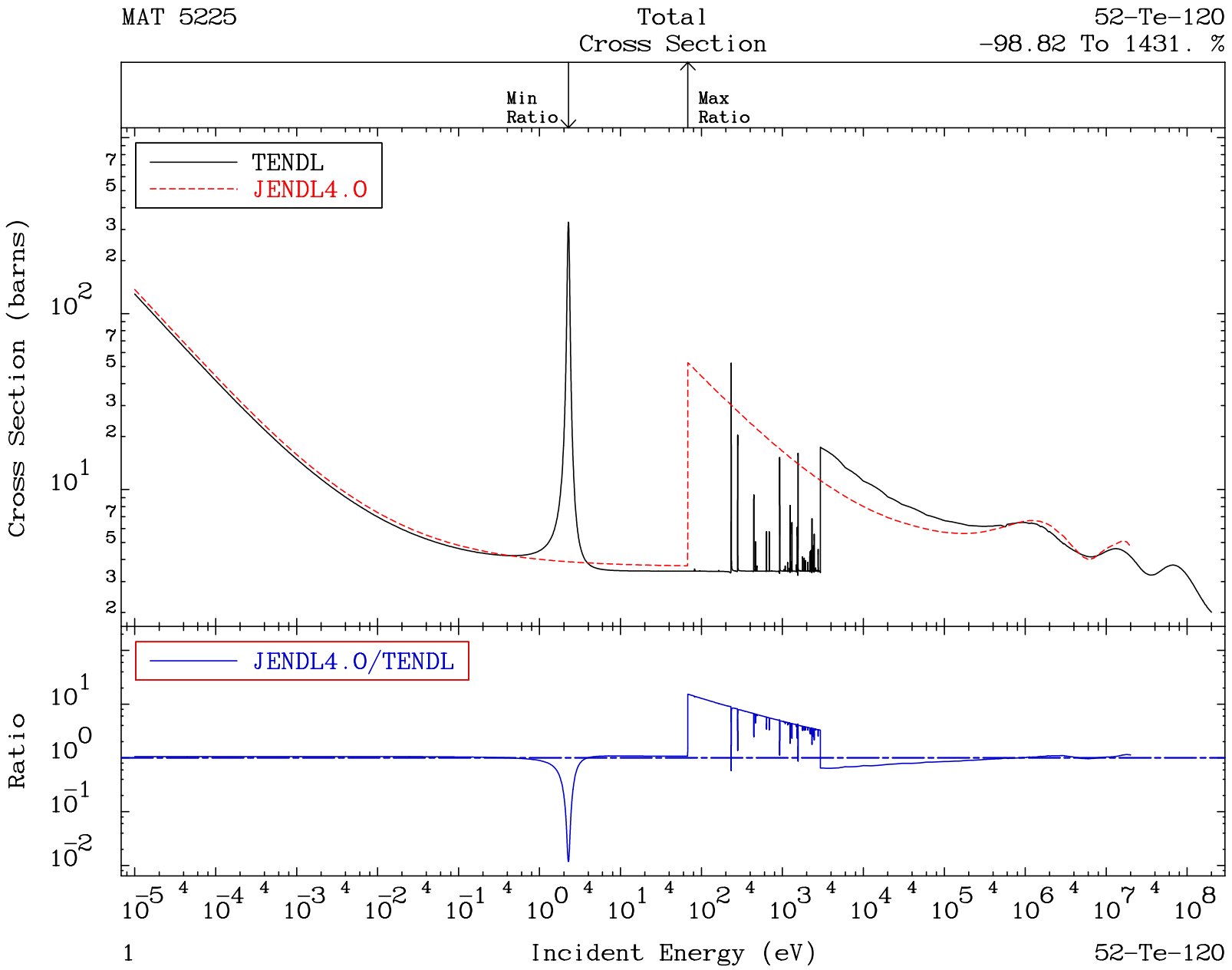
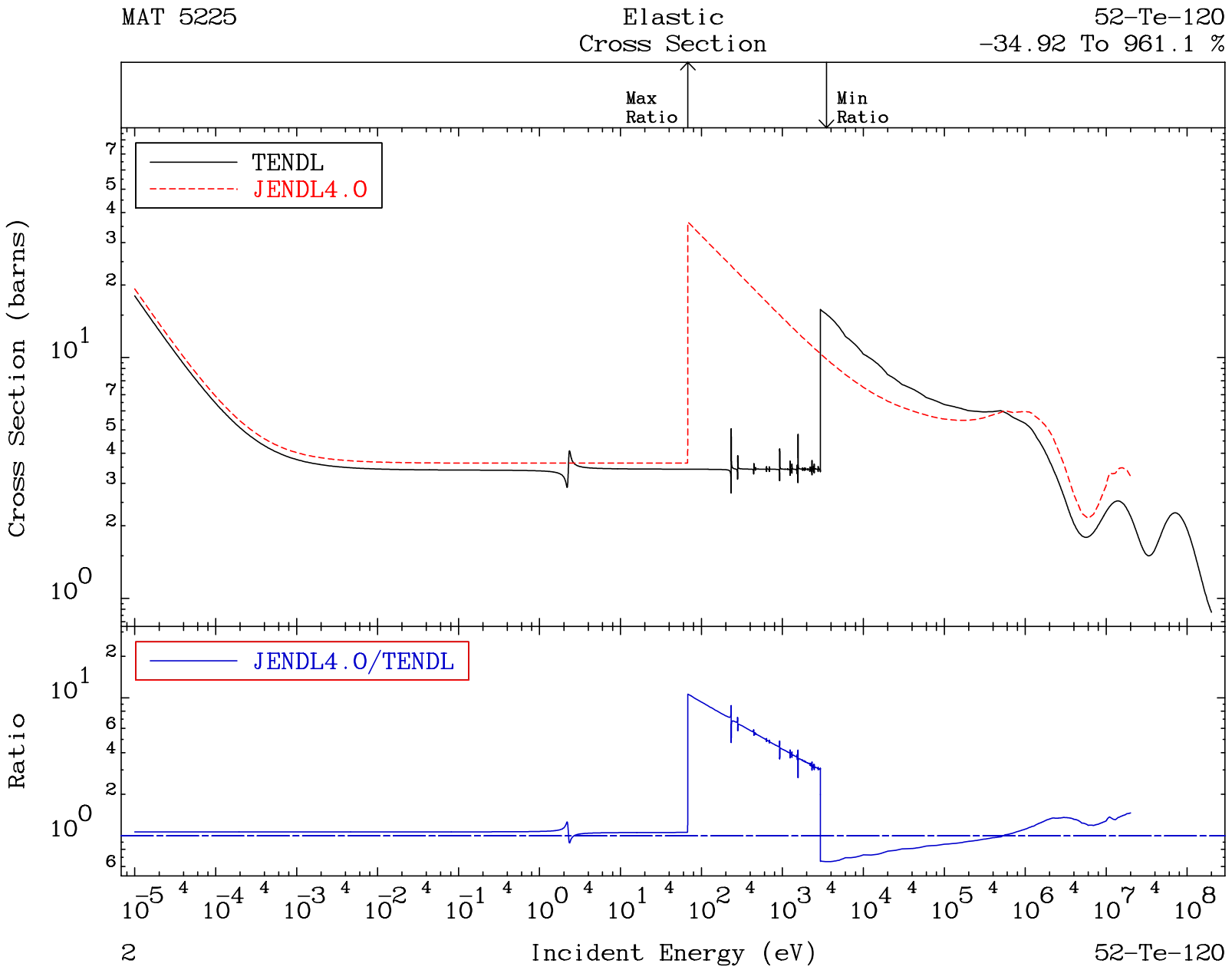
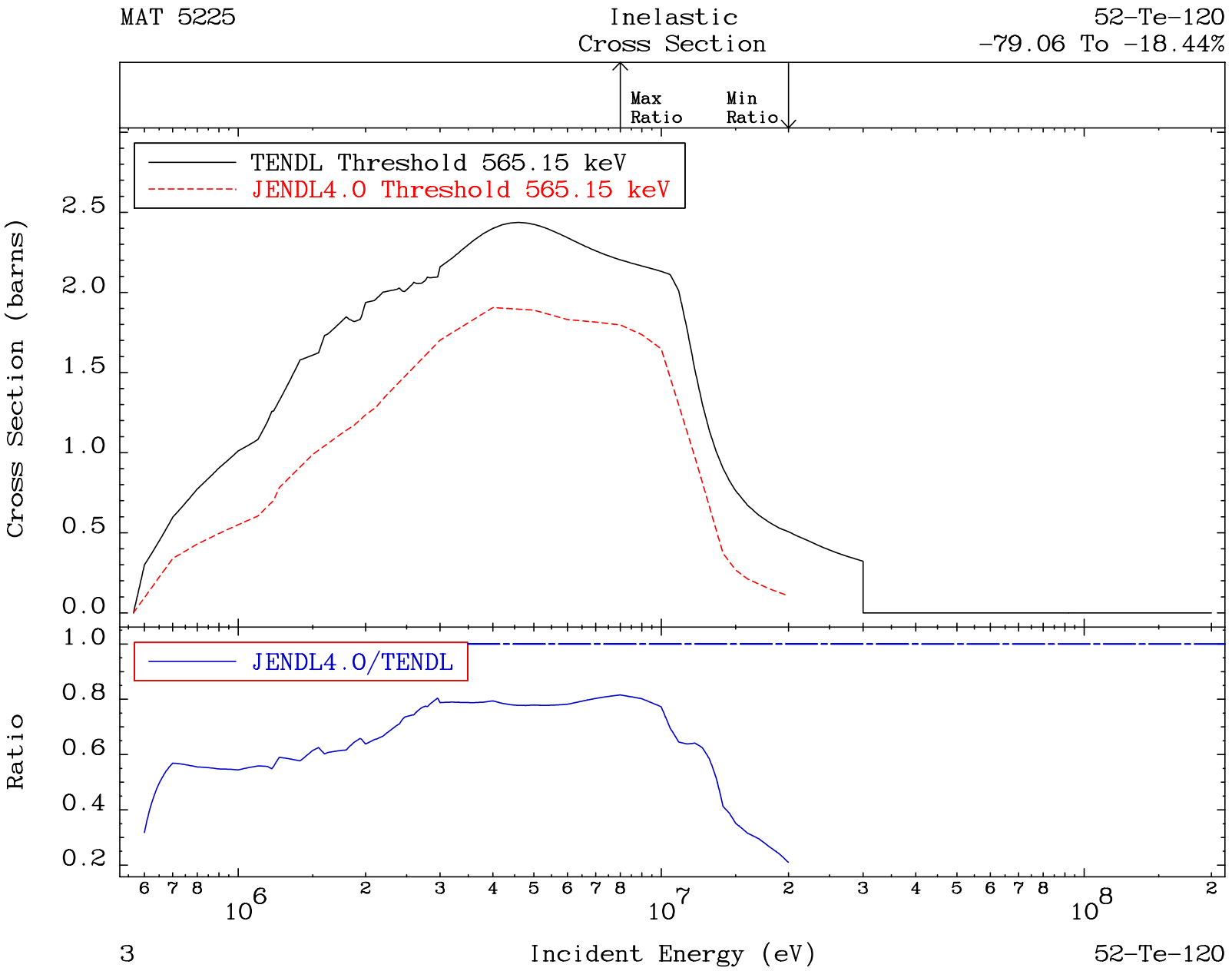
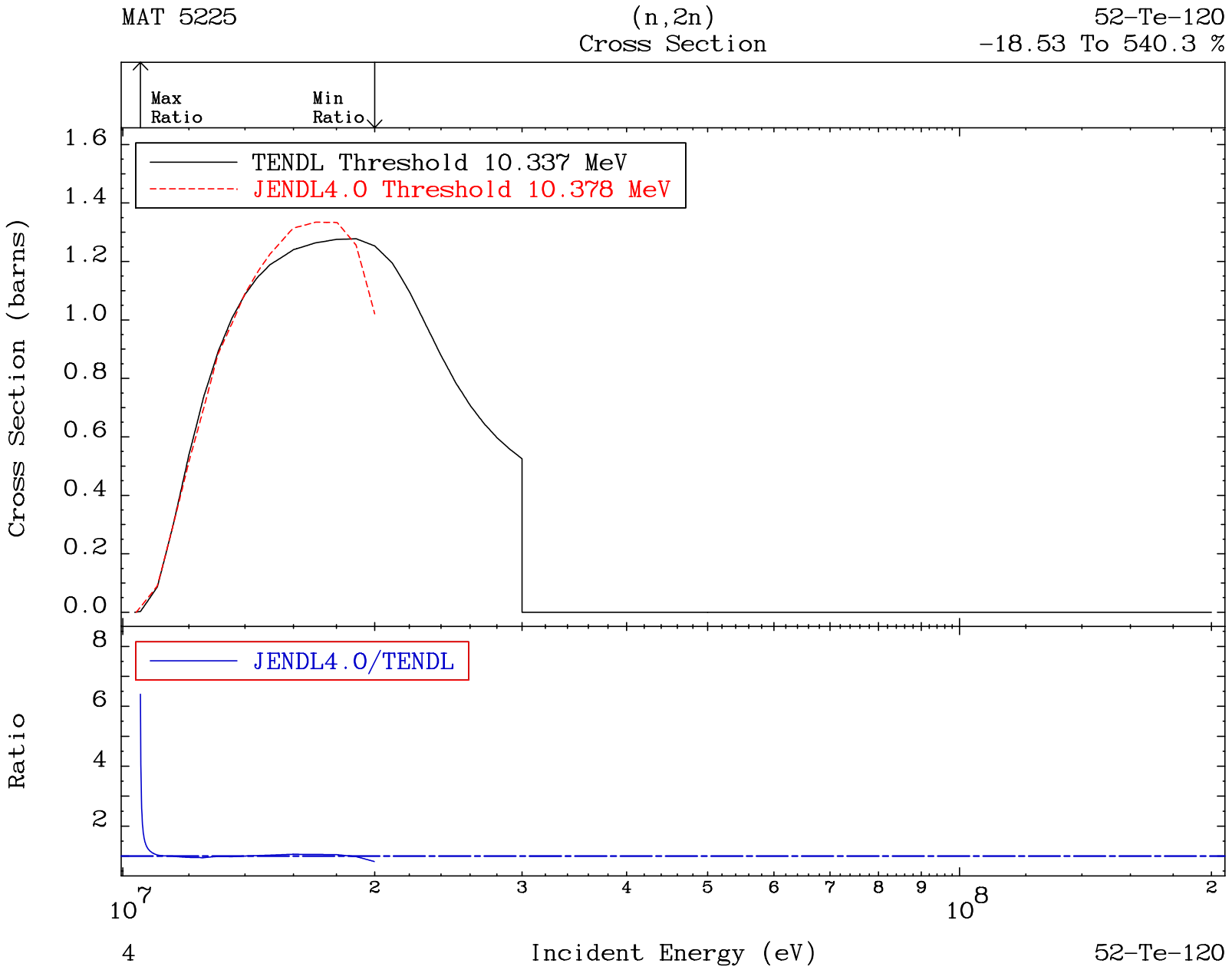
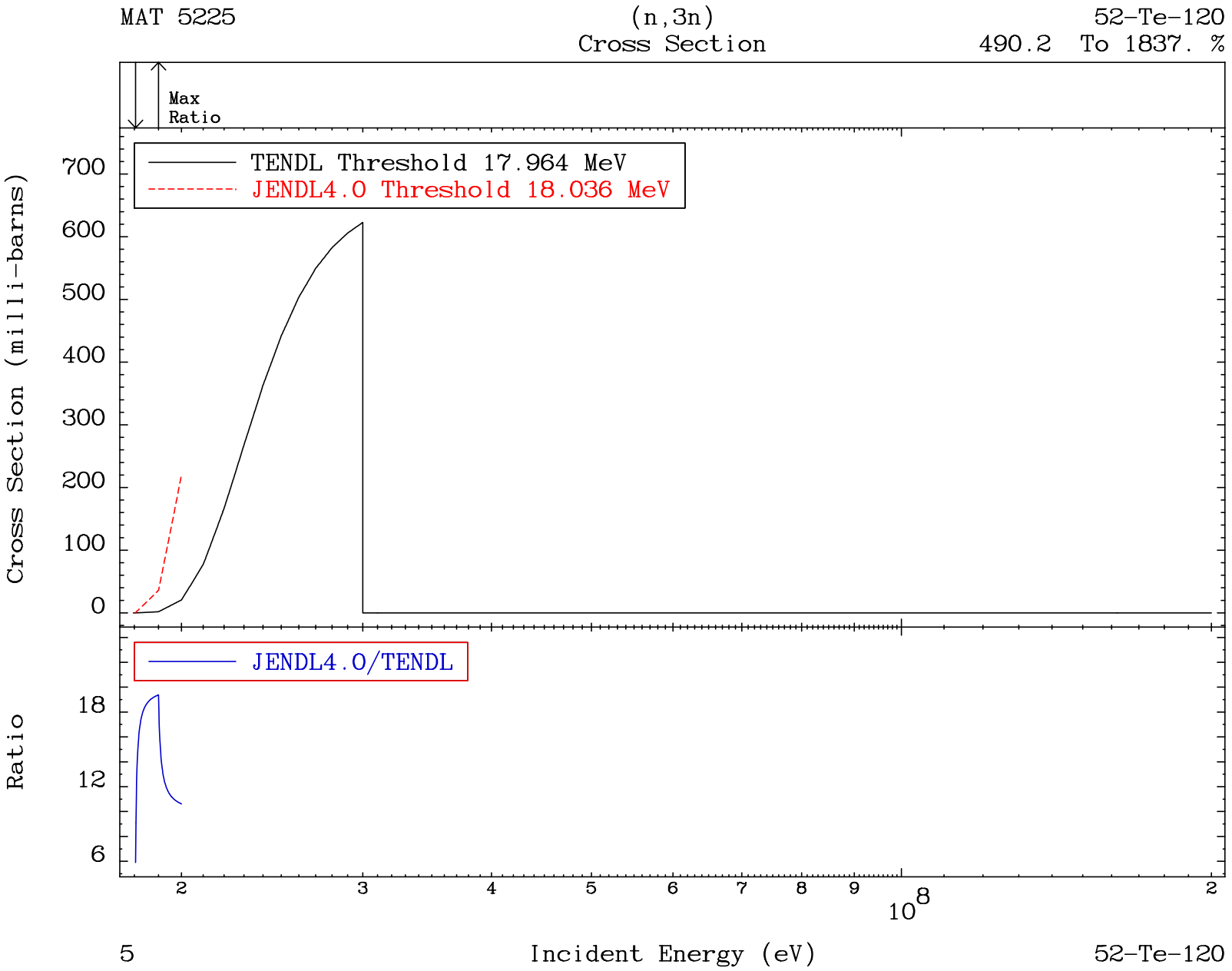
Press Mouse Button to Start

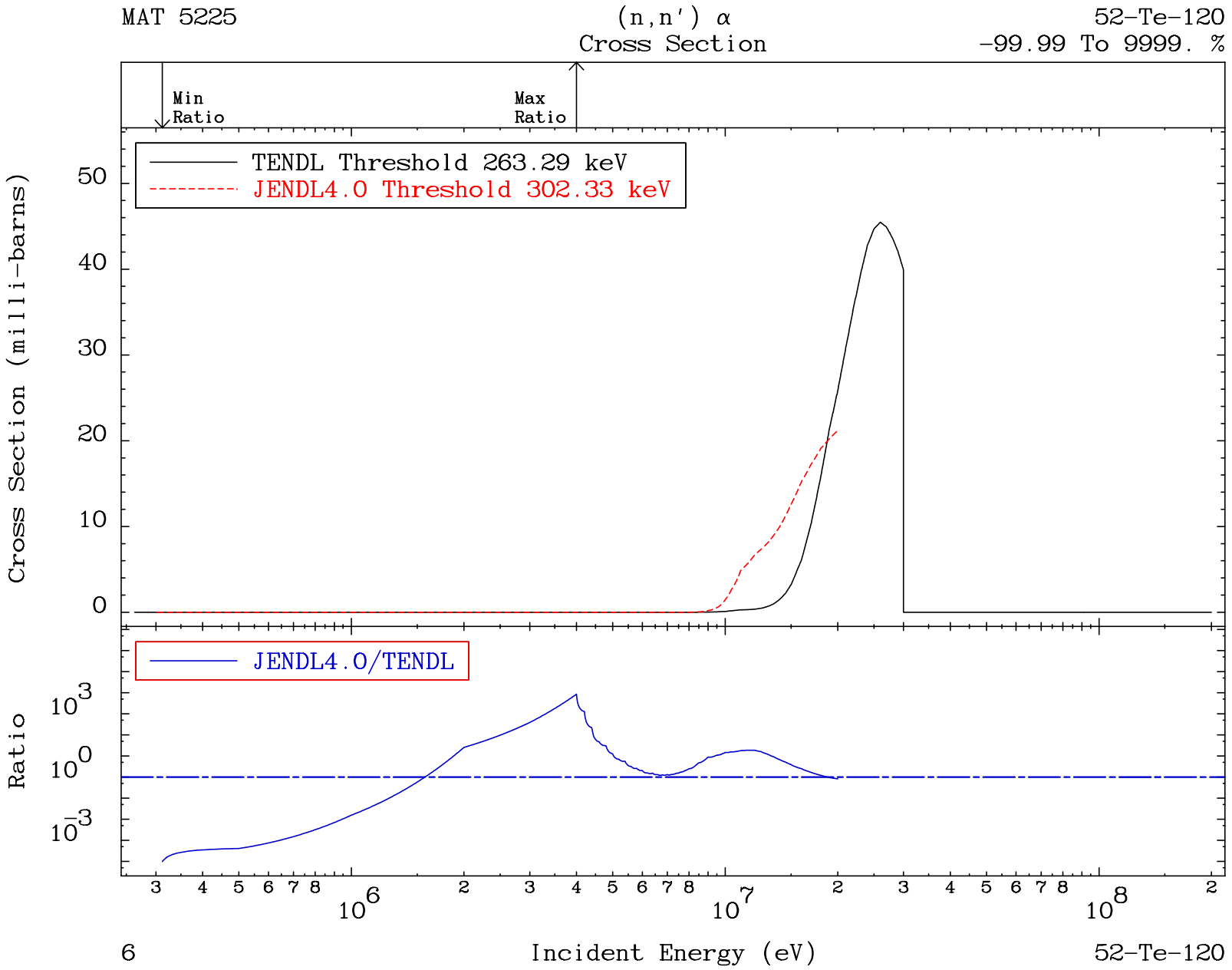

MAT 5225
Total
Cross Section
52-Te-120
-98.82 To 1431. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
52-Te-120

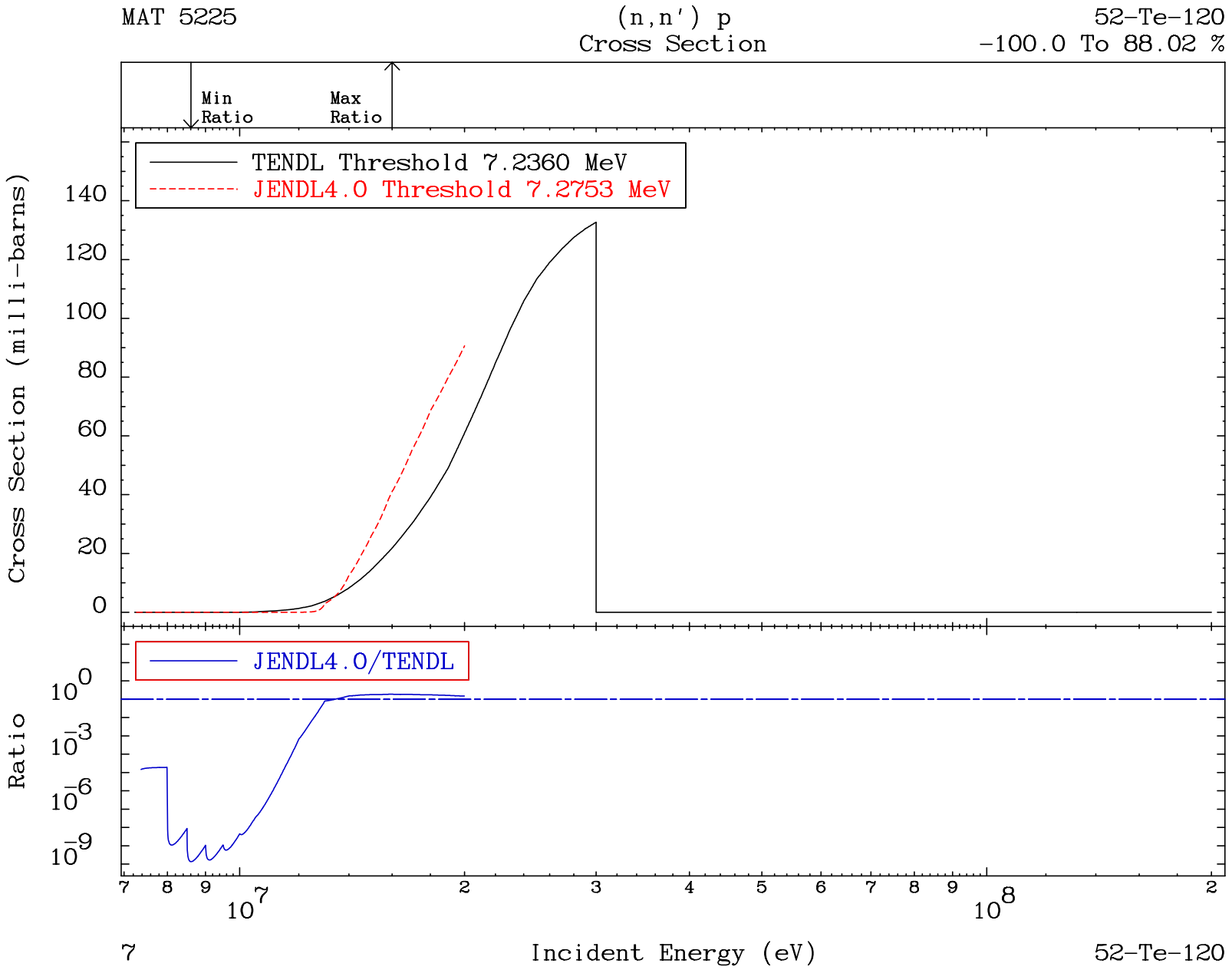

MAT 5225
Elastic
Cross Section
52-Te-120
-34.92 To 961.1 %
Max
Ratio
Min
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
52-Te-120

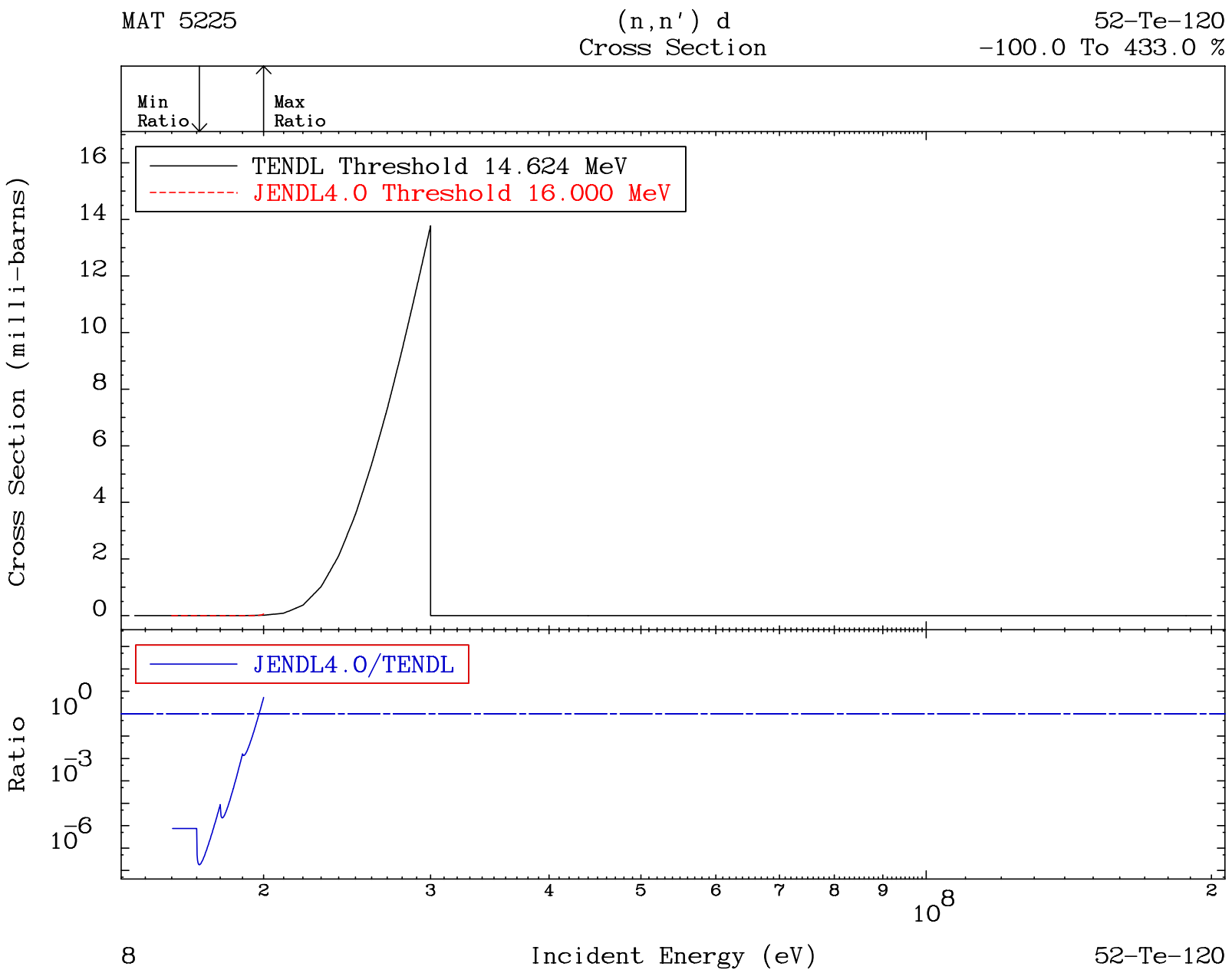

MAT 5225
Inelastic
Cross Section
52-Te-120
-79.06 To -18.44%
Max
Ratio
Min
Ratio
TENDL Threshold 565.15 keV
JENDL4.0 Threshold 565.15 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.0
0.8
0.6
0.4
0.2
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
52-Te-120

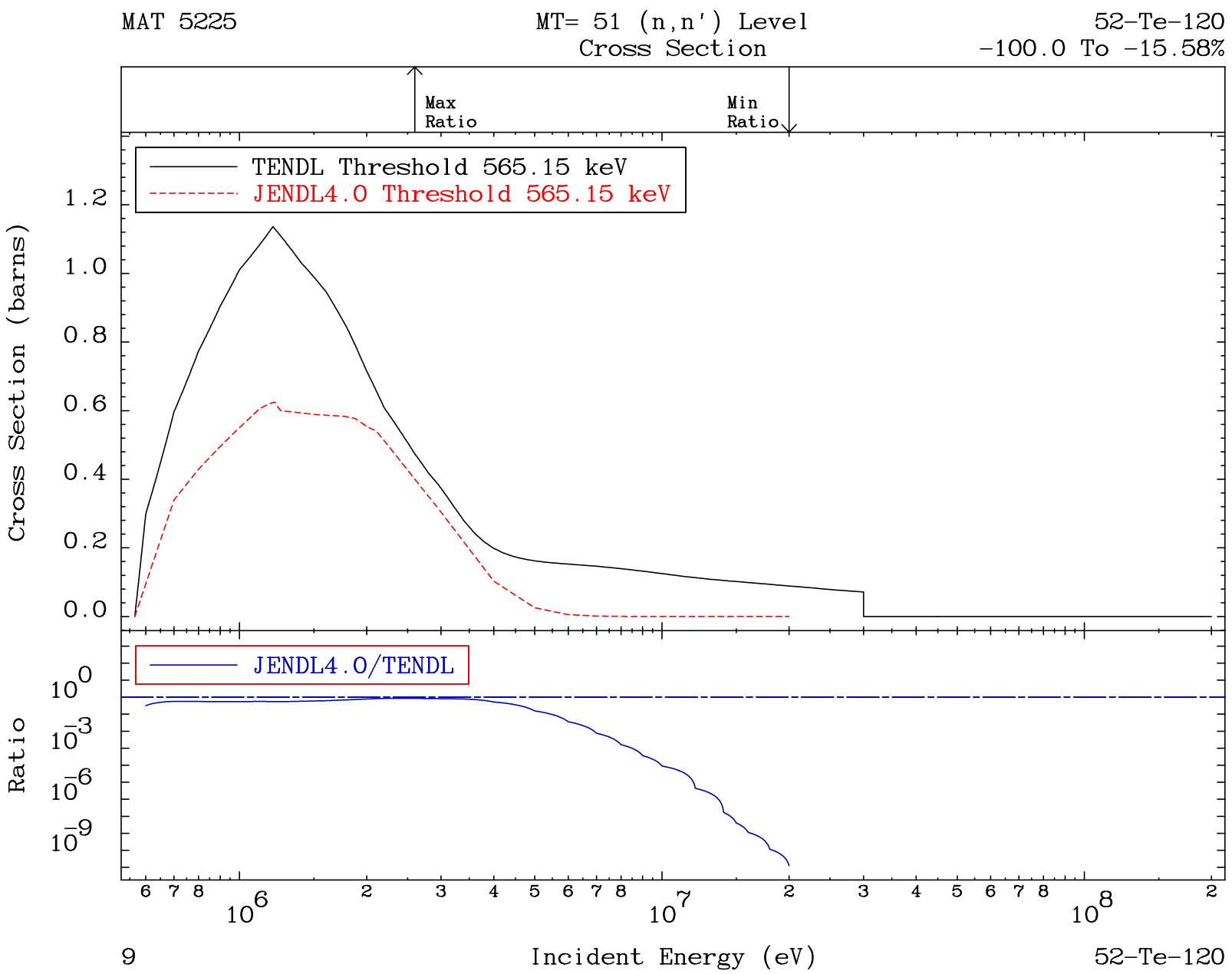

MAT 5225
(n,2n)
Cross Section
52-Te-120
-18.53 To 540.3 %
Max Ratio
Min Ratio
TENDL Threshold 10.337 MeV
JENDL4.0 Threshold 10.378 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
8
6
4
2
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
52-Te-120

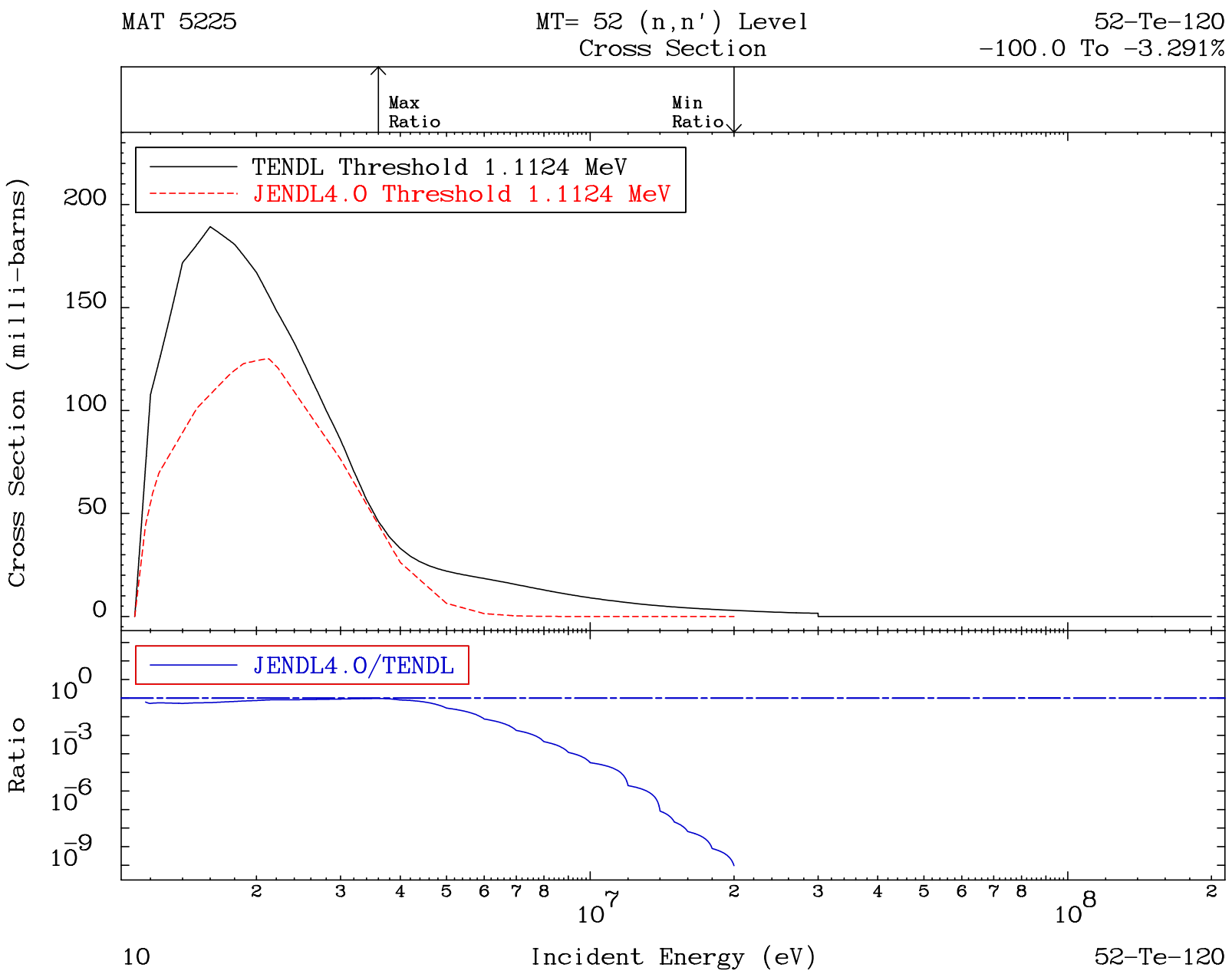

MAT 5225
(n,3n)
Cross Section
52-Te-120
490.2 To 1837. %
Max
Ratio
TENDL Threshold 17.964 MeV
JENDL4.0 Threshold 18.036 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
18
12
6
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-120

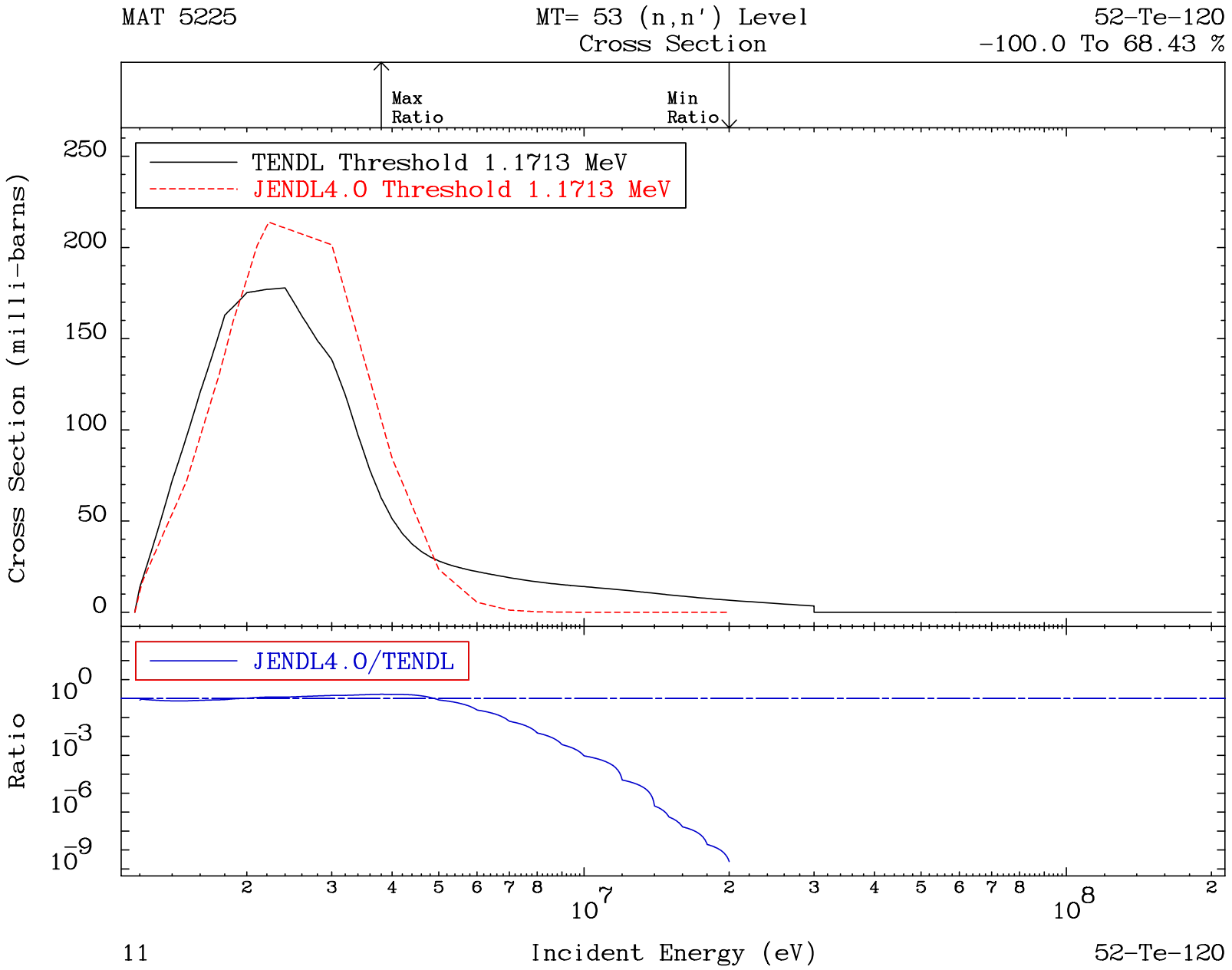

MAT 5225
(n,n') α
Cross Section
52-Te-120
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 263.29 keV
JENDL4.0 Threshold 302.33 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^3
10^0
10^-3
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
52-Te-120

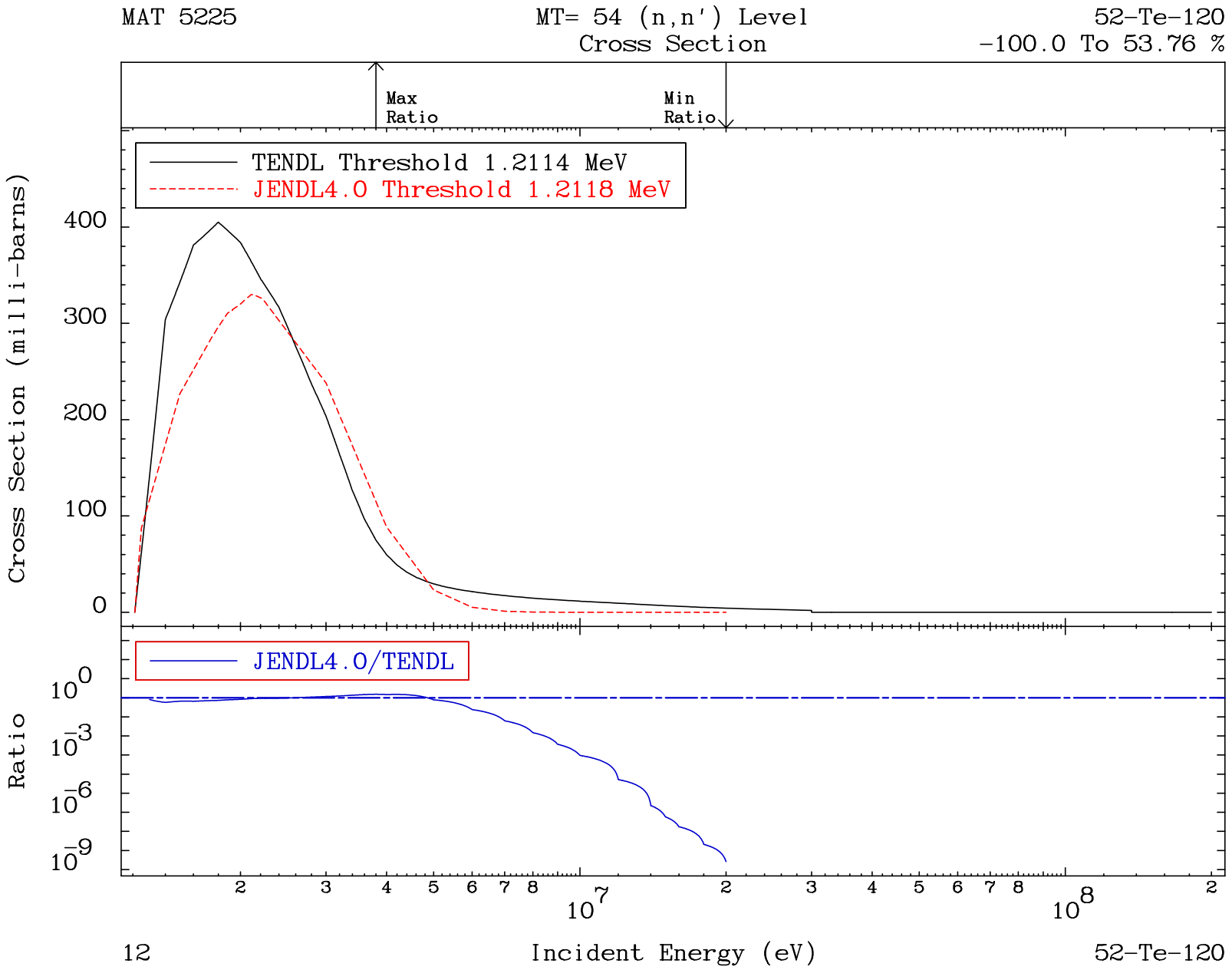

MAT 5225
(n,n') p
Cross Section
52-Te-120
-100.0 To 88.02 %
Min Ratio
Max Ratio
TENDL Threshold 7.2360 MeV
JENDL4.0 Threshold 7.2753 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
52-Te-120

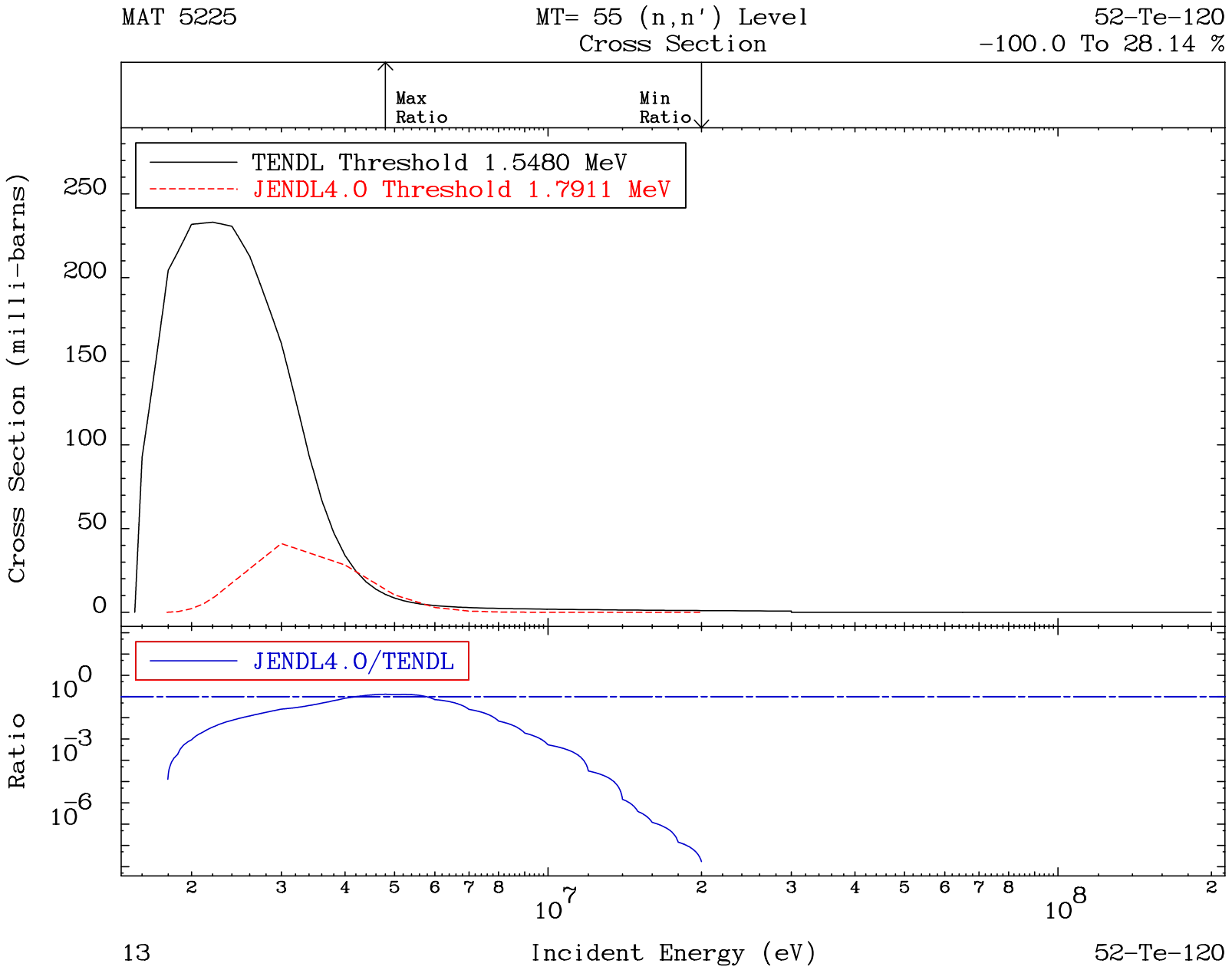

MAT 5225
(n,n') d
Cross Section
52-Te-120
-100.0 To 433.0 %
Min Ratio
Max Ratio
TENDL Threshold 14.624 MeV
JENDL4.0 Threshold 16.000 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
52-Te-120

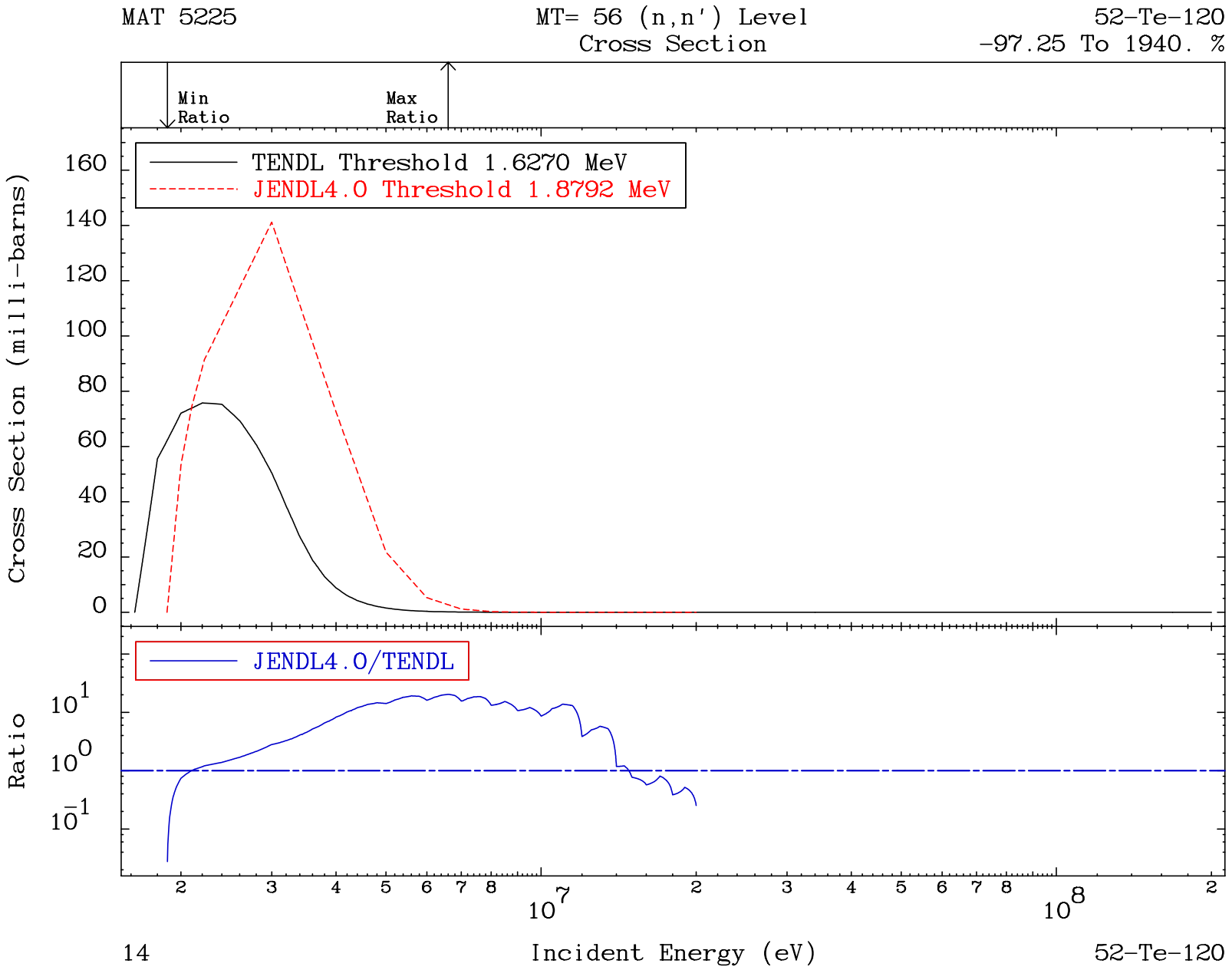

MAT 5225
MT= 51 (n,n') Level
Cross Section
52-Te-120
-100.0 To -15.58%
Max
Ratio
Min
Ratio
TENDL Threshold 565.15 keV
JENDL4.0 Threshold 565.15 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
52-Te-120

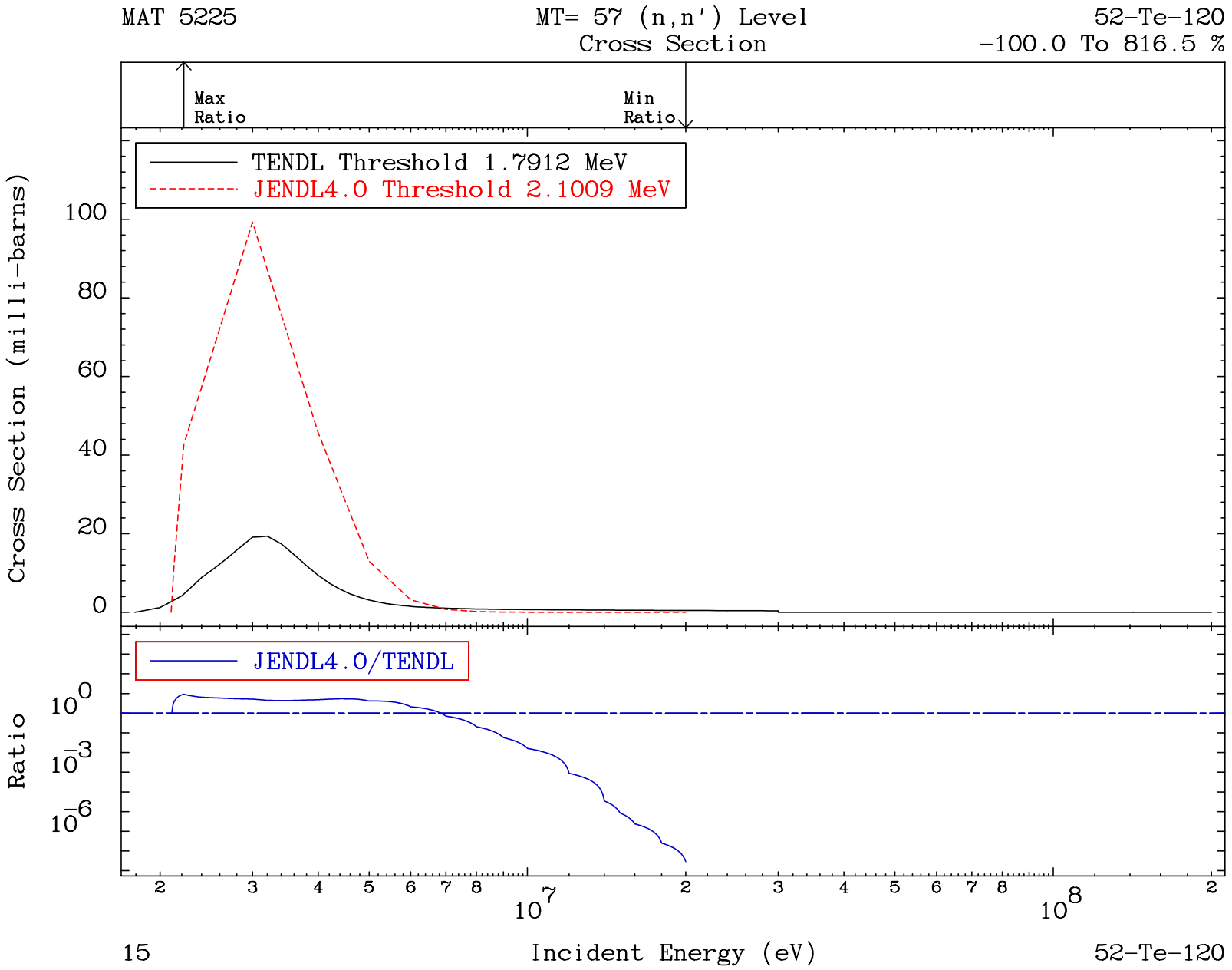

MAT 5225
MT= 52 (n,n') Level
Cross Section
52-Te-120
-100.0 To -3.291%
Max
Ratio
Min
Ratio
TENDL Threshold 1.1124 MeV
JENDL4.0 Threshold 1.1124 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
52-Te-120

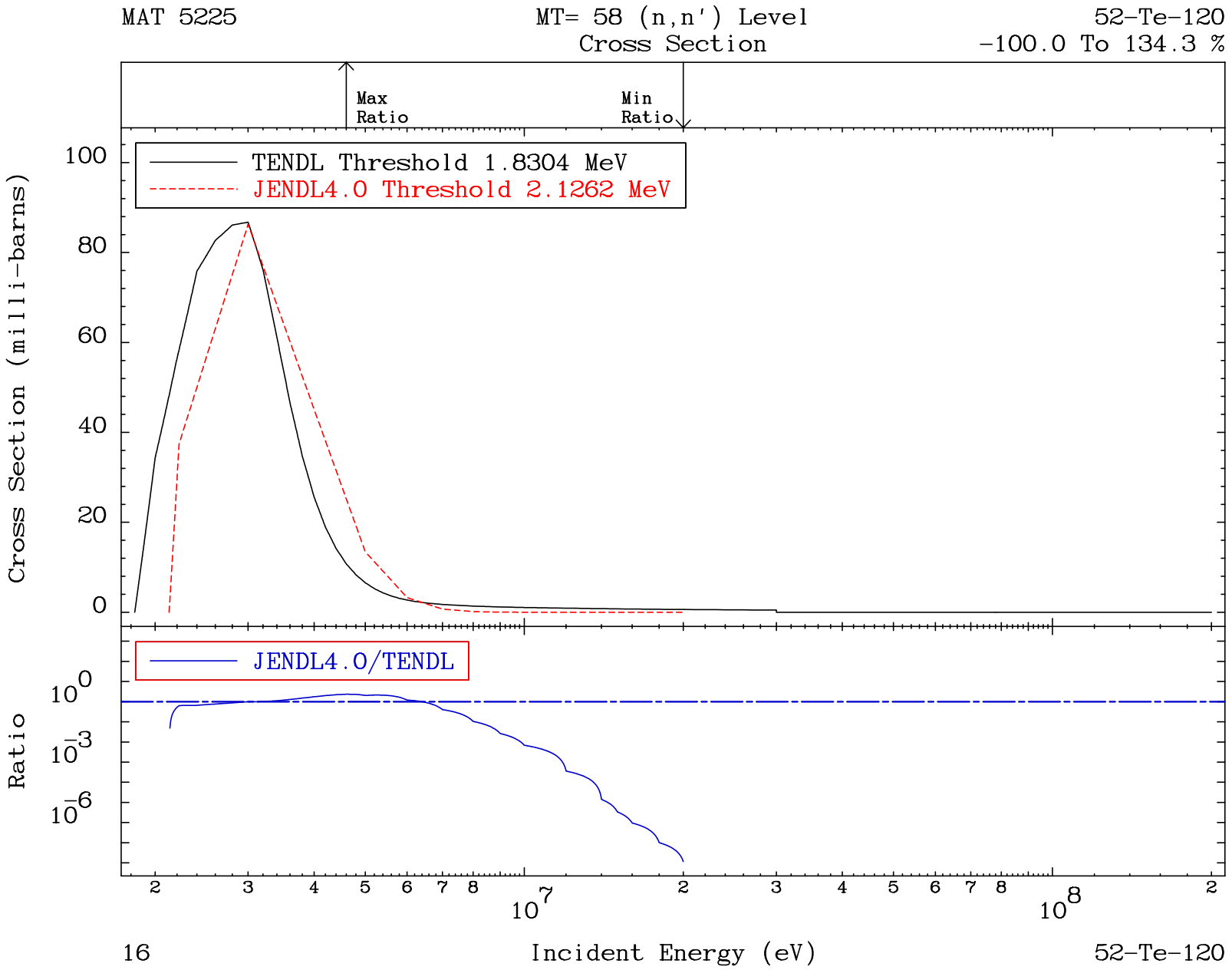

MAT 5225
MT= 53 (n,n') Level
Cross Section
52-Te-120
-100.0 To 68.43 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1713 MeV
JENDL4.0 Threshold 1.1713 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
52-Te-120

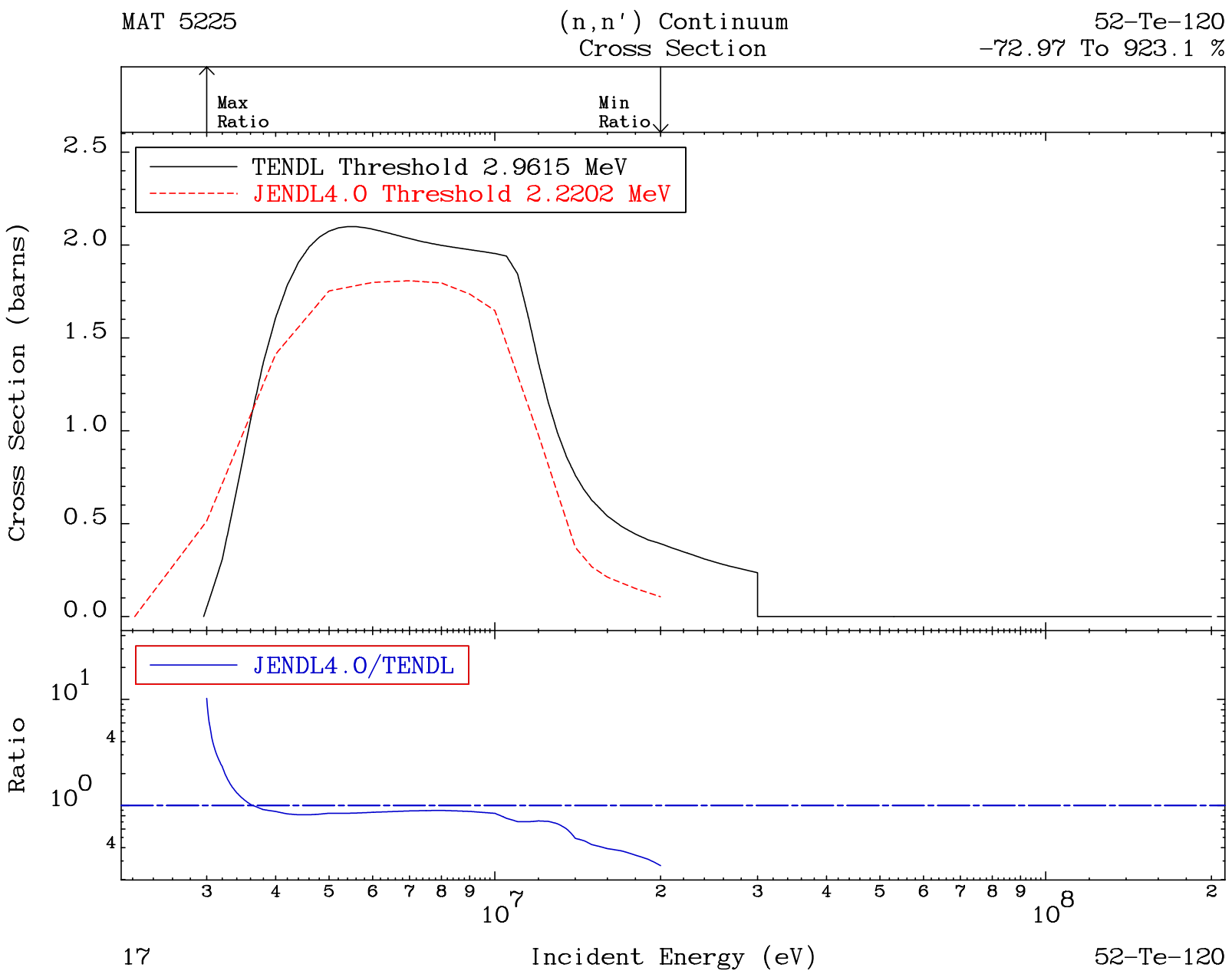

MAT 5225
MT= 54 (n,n') Level
Cross Section
52-Te-120
-100.0 To 53.76 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.2114 MeV
JENDL4.0 Threshold 1.2118 MeV
Cross Section (milli-barns)
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
52-Te-120

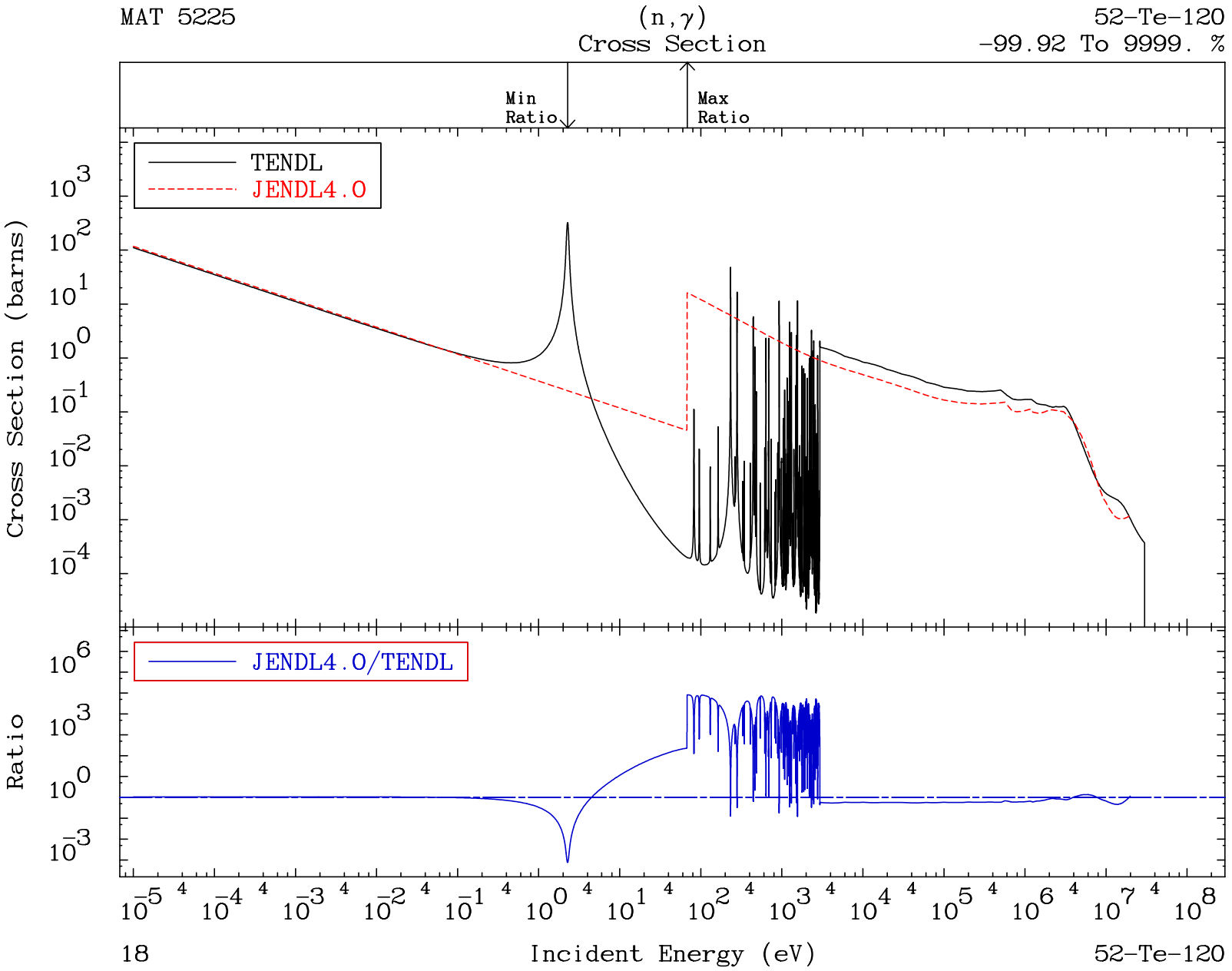

MAT 5225
MT= 55 (n,n') Level
Cross Section
52-Te-120
-100.0 To 28.14 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.5480 MeV
JENDL4.0 Threshold 1.7911 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
13
Incident Energy (eV)
52-Te-120

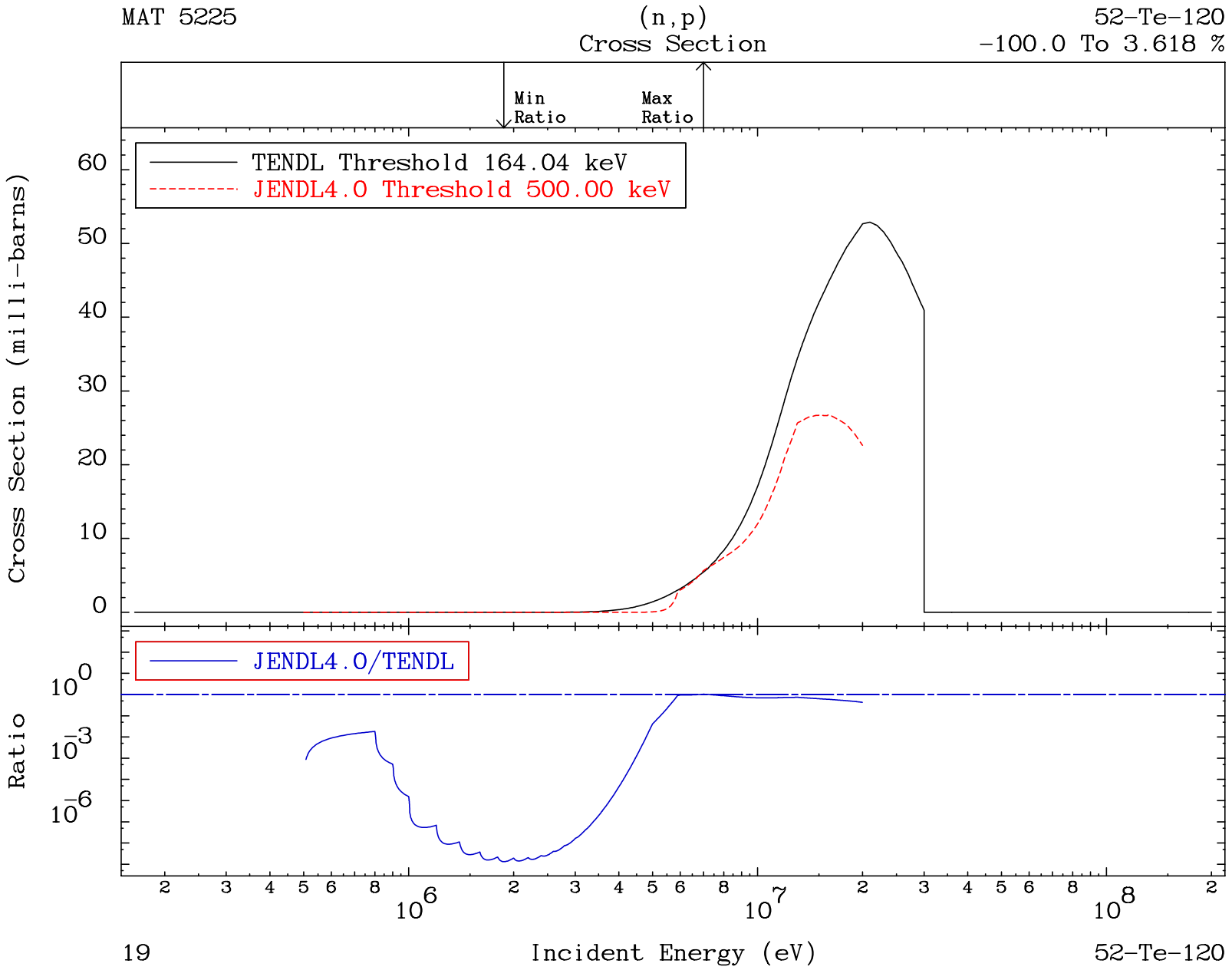

MAT 5225
MT= 56 (n,n') Level
Cross Section
52-Te-120
-97.25 To 1940. %
Min Ratio
Max Ratio
TENDL Threshold 1.6270 MeV
JENDL4.0 Threshold 1.8792 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
52-Te-120

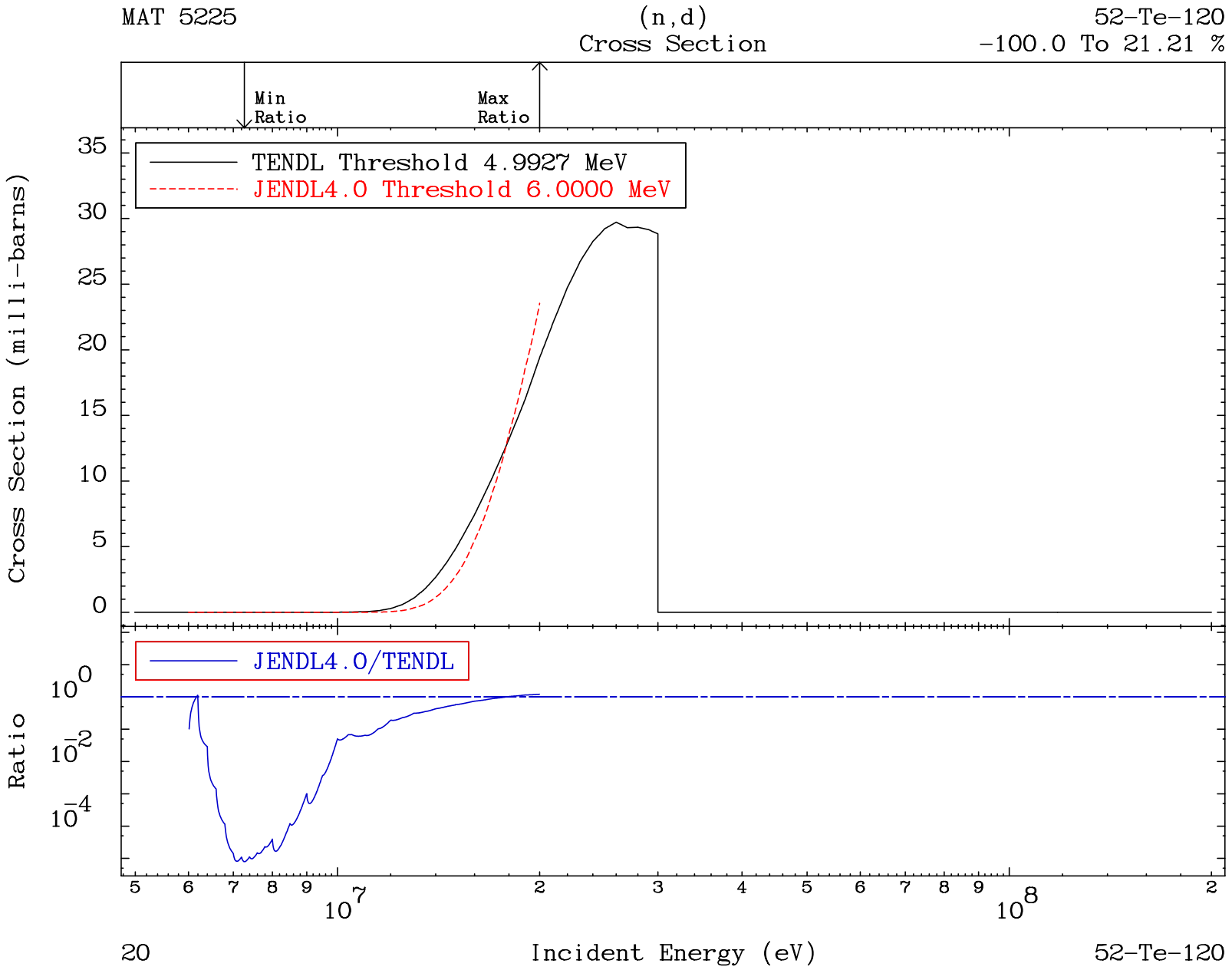

MAT 5225
MT= 57 (n,n') Level
Cross Section
52-Te-120
-100.0 To 816.5 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7912 MeV
JENDL4.0 Threshold 2.1009 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
52-Te-120

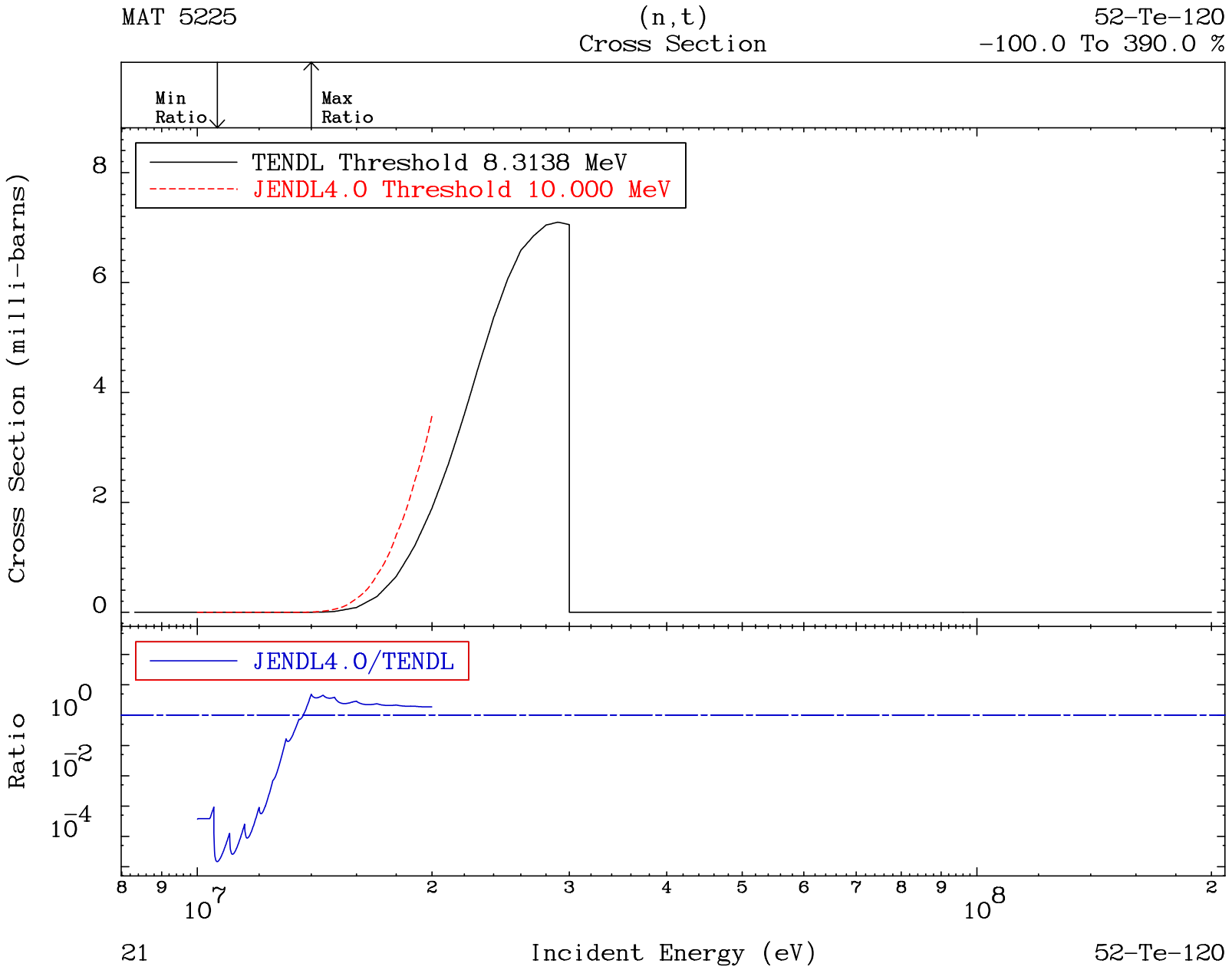

MAT 5225
MT= 58 (n,n') Level
Cross Section
52-Te-120
-100.0 To 134.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8304 MeV
JENDL4.0 Threshold 2.1262 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
52-Te-120

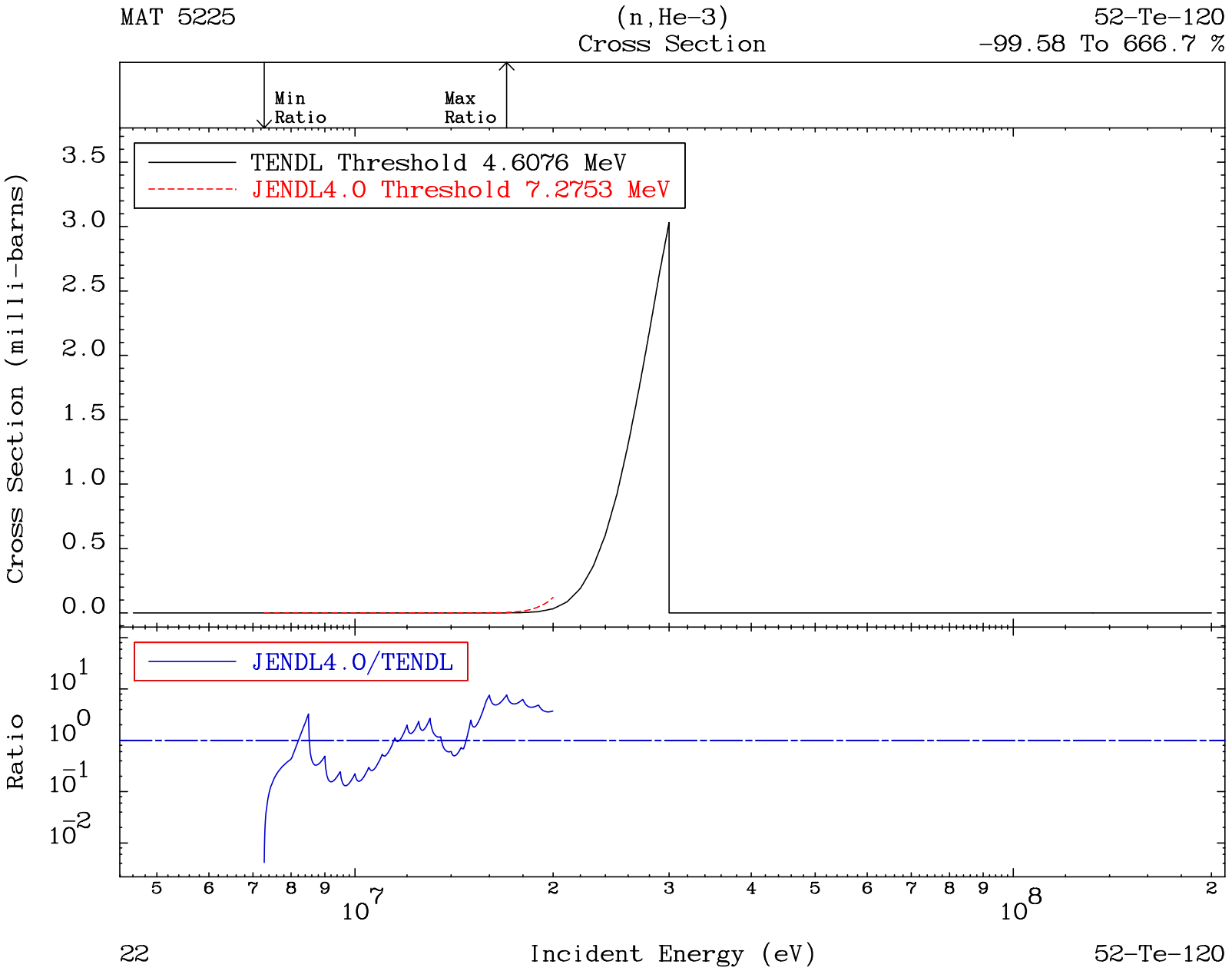

MAT 5225
(n,n') Continuum
Cross Section
52-Te-120
-72.97 To 923.1 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.9615 MeV
JENDL4.0 Threshold 2.2202 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
52-Te-120

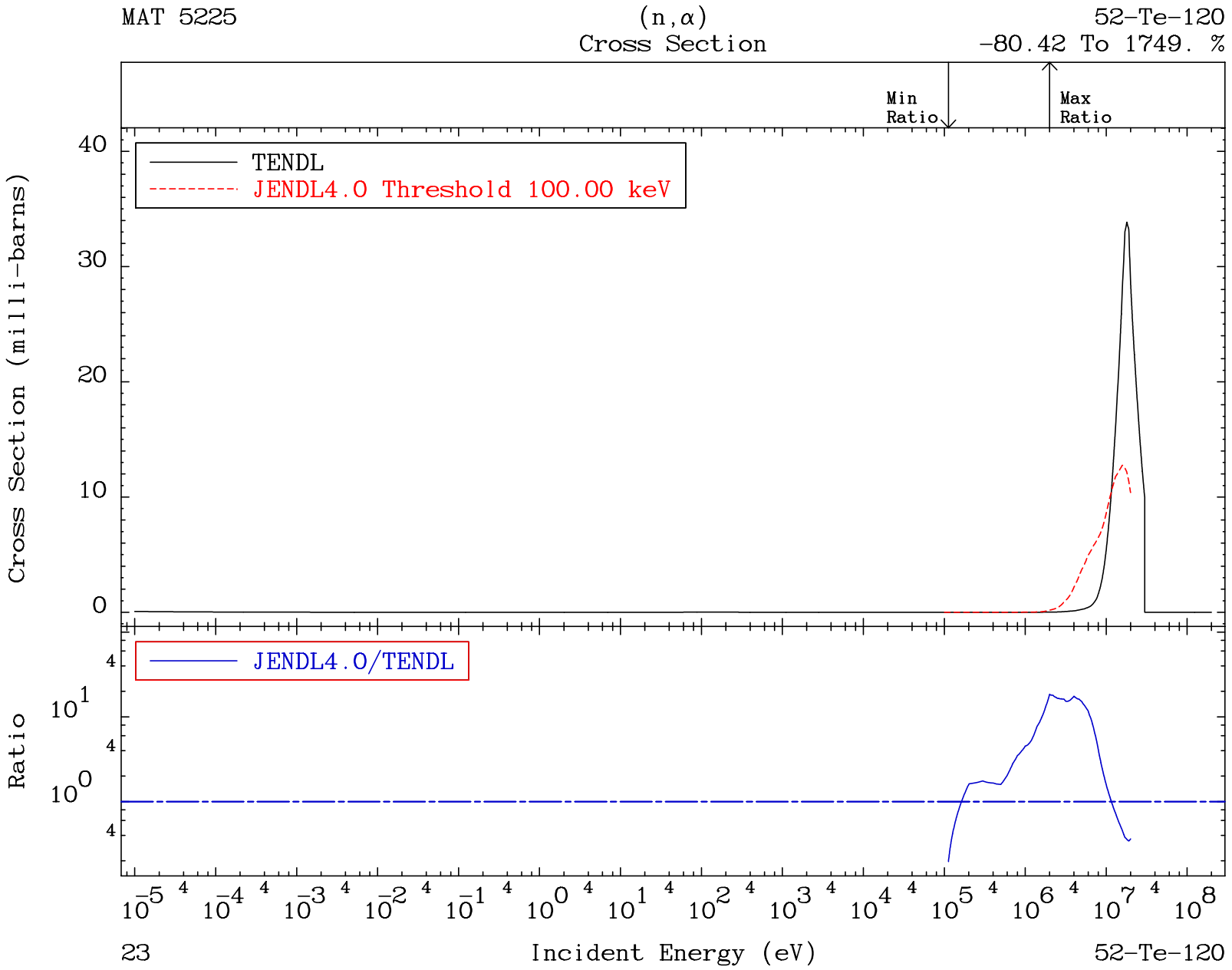

MAT 5225
(n,γ)
Cross Section
52-Te-120
-99.92 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
18
52-Te-120

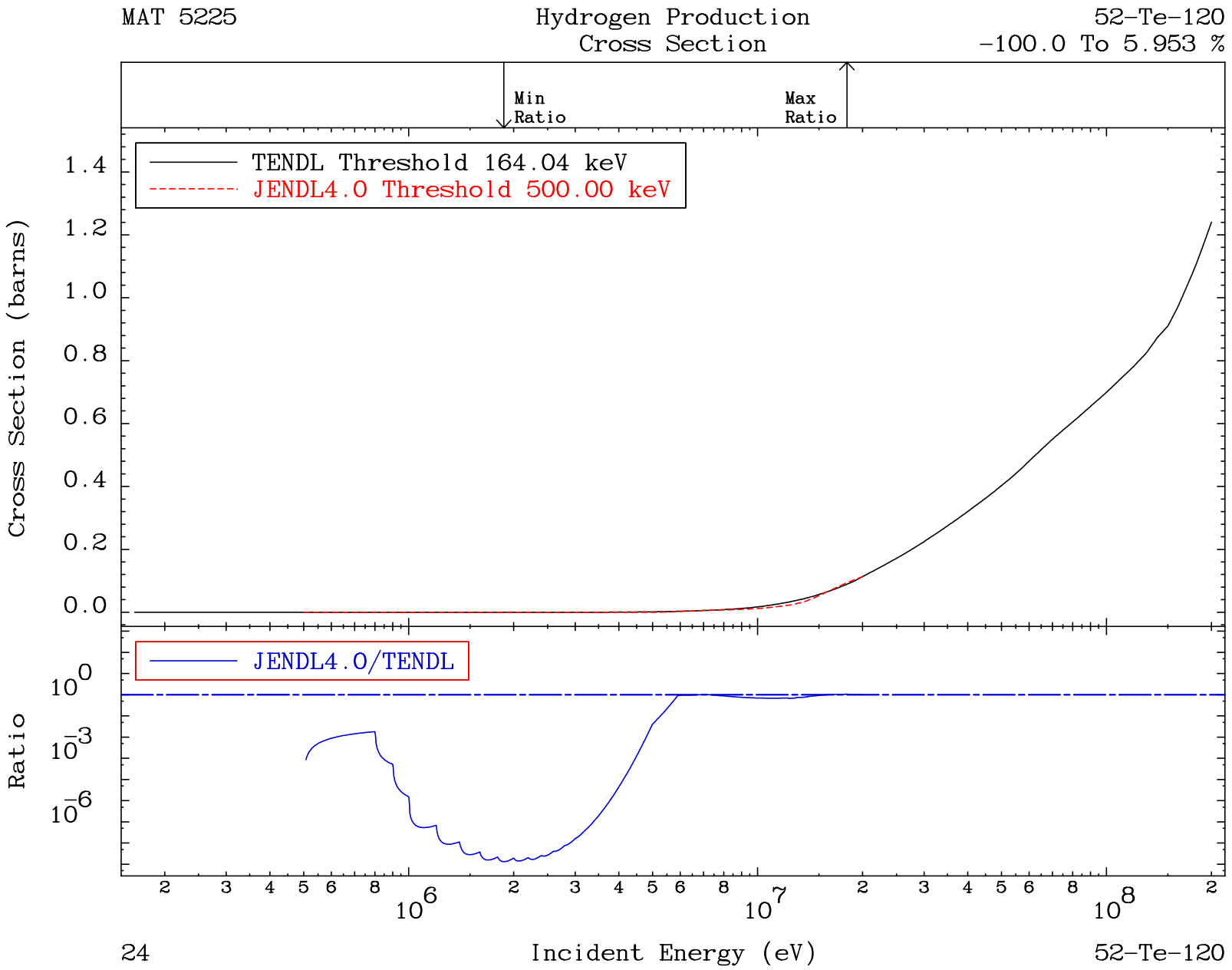

MAT 5225
(n,p)
Cross Section
52-Te-120
-100.0 To 3.618 %
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JENDL4.0 Threshold 500.00 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
52-Te-120

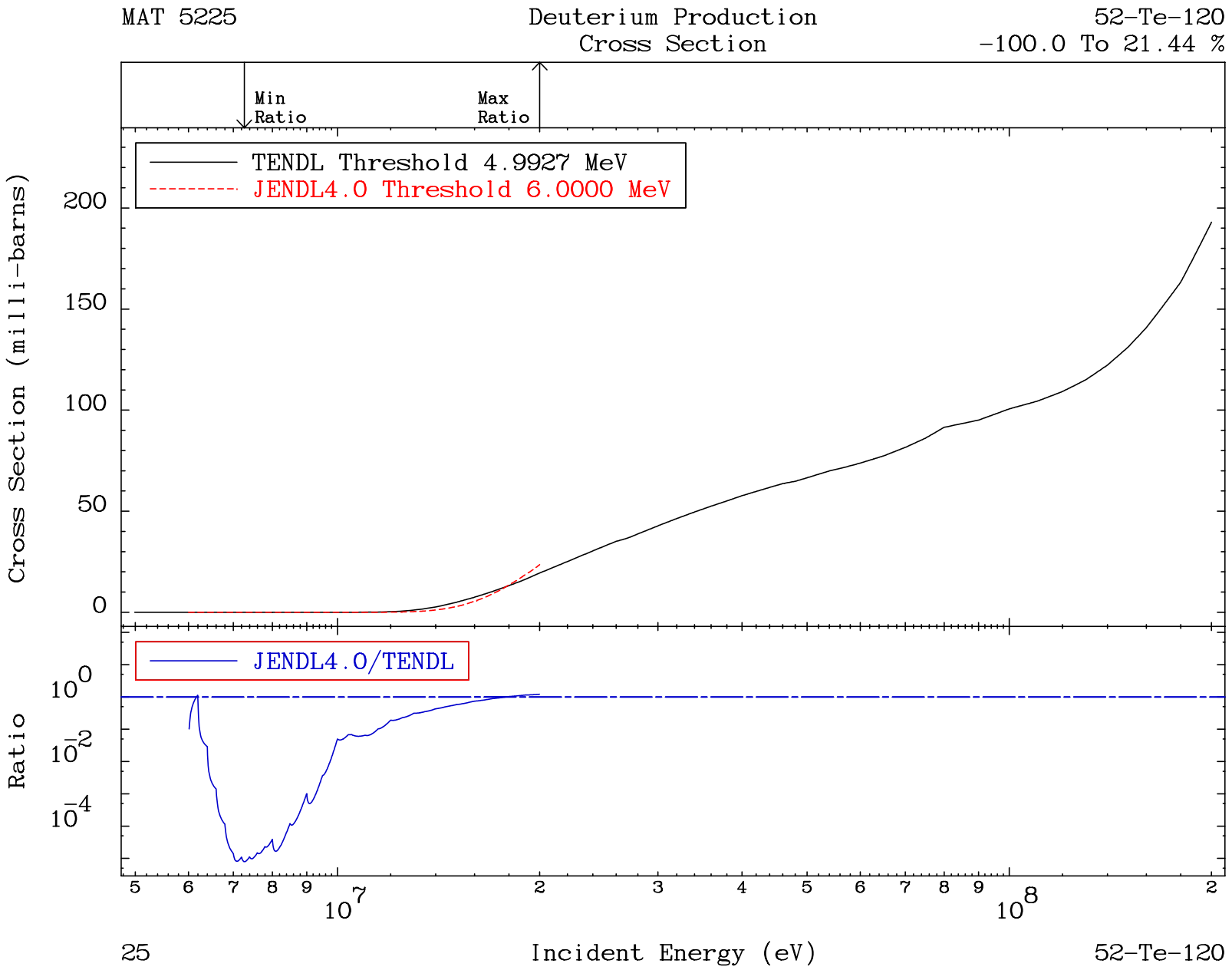

MAT 5225
(n,d)
Cross Section
52-Te-120
-100.0 To 21.21 %
Min Ratio
Max Ratio
TENDL Threshold 4.9927 MeV
JENDL4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
20
52-Te-120

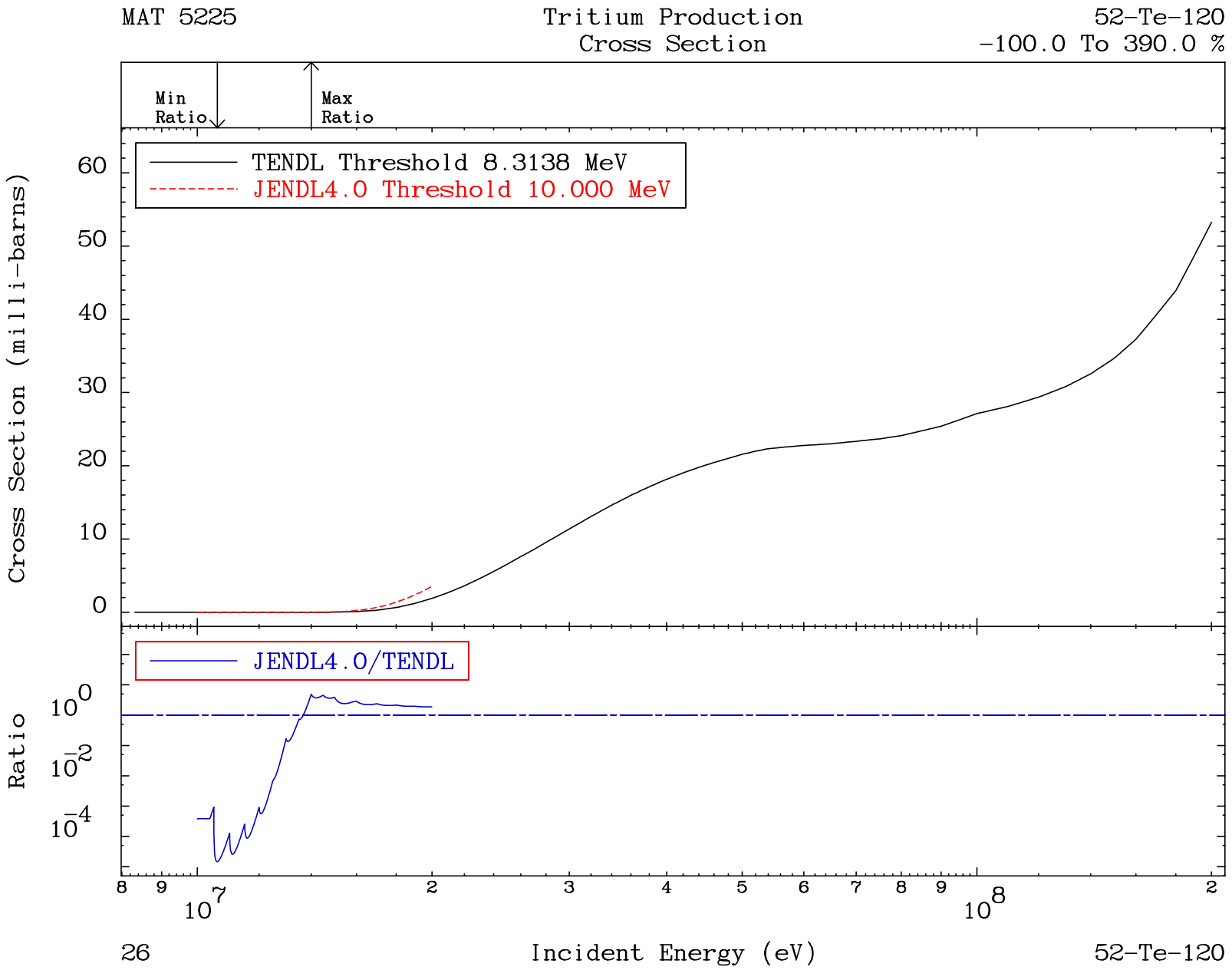

MAT 5225
(n,t)
Cross Section
52-Te-120
-100.0 To 390.0 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
JENDL4.0/TENDL
Ratio
10^{0}
10^{-2}
10^{-4}
8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
21
Incident Energy (eV)
52-Te-120

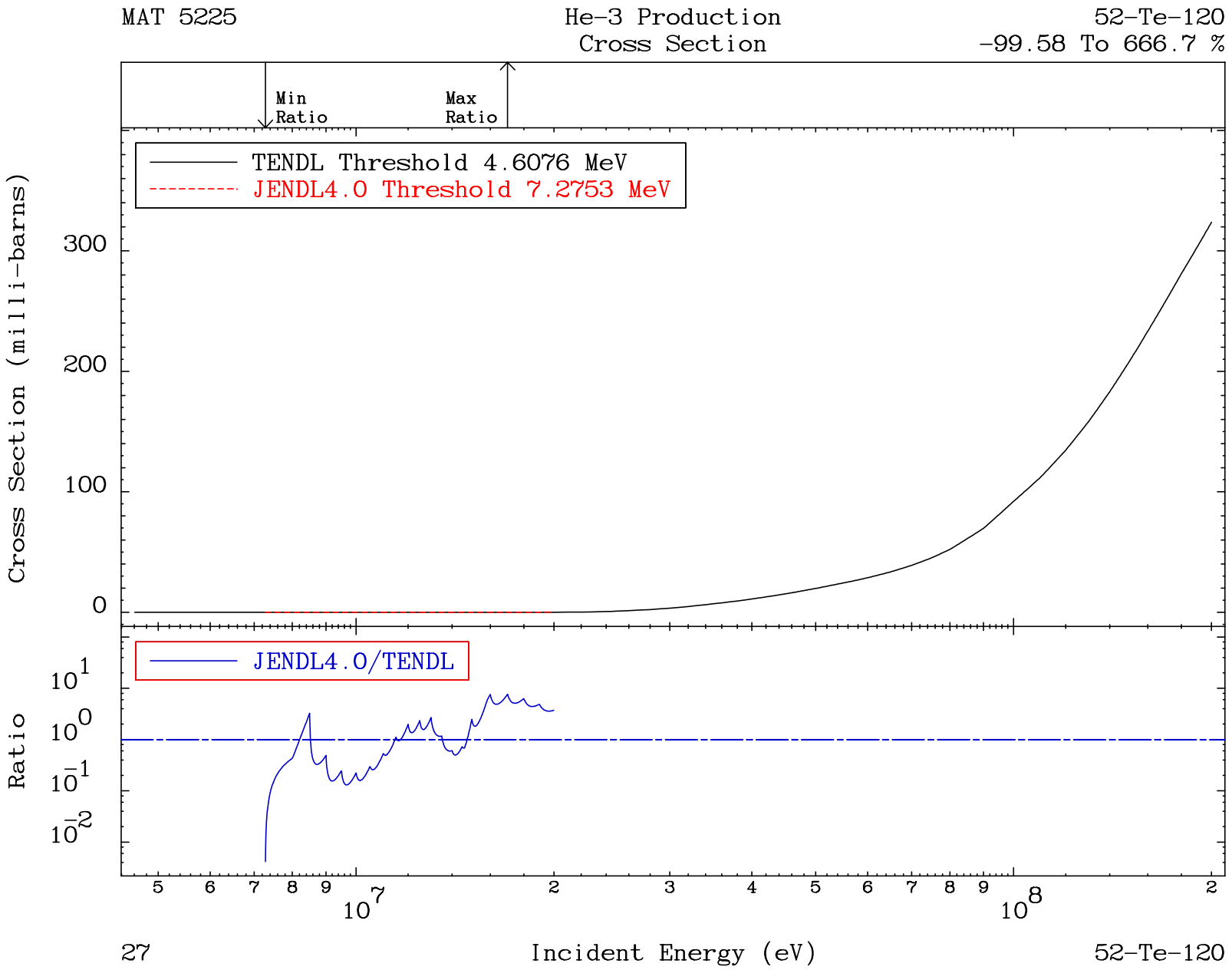

MAT 5225
(n,He-3)
Cross Section
52-Te-120
-99.58 To 666.7 %
Min Ratio
Max Ratio
TENDL Threshold 4.6076 MeV
JENDL4.0 Threshold 7.2753 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
52-Te-120

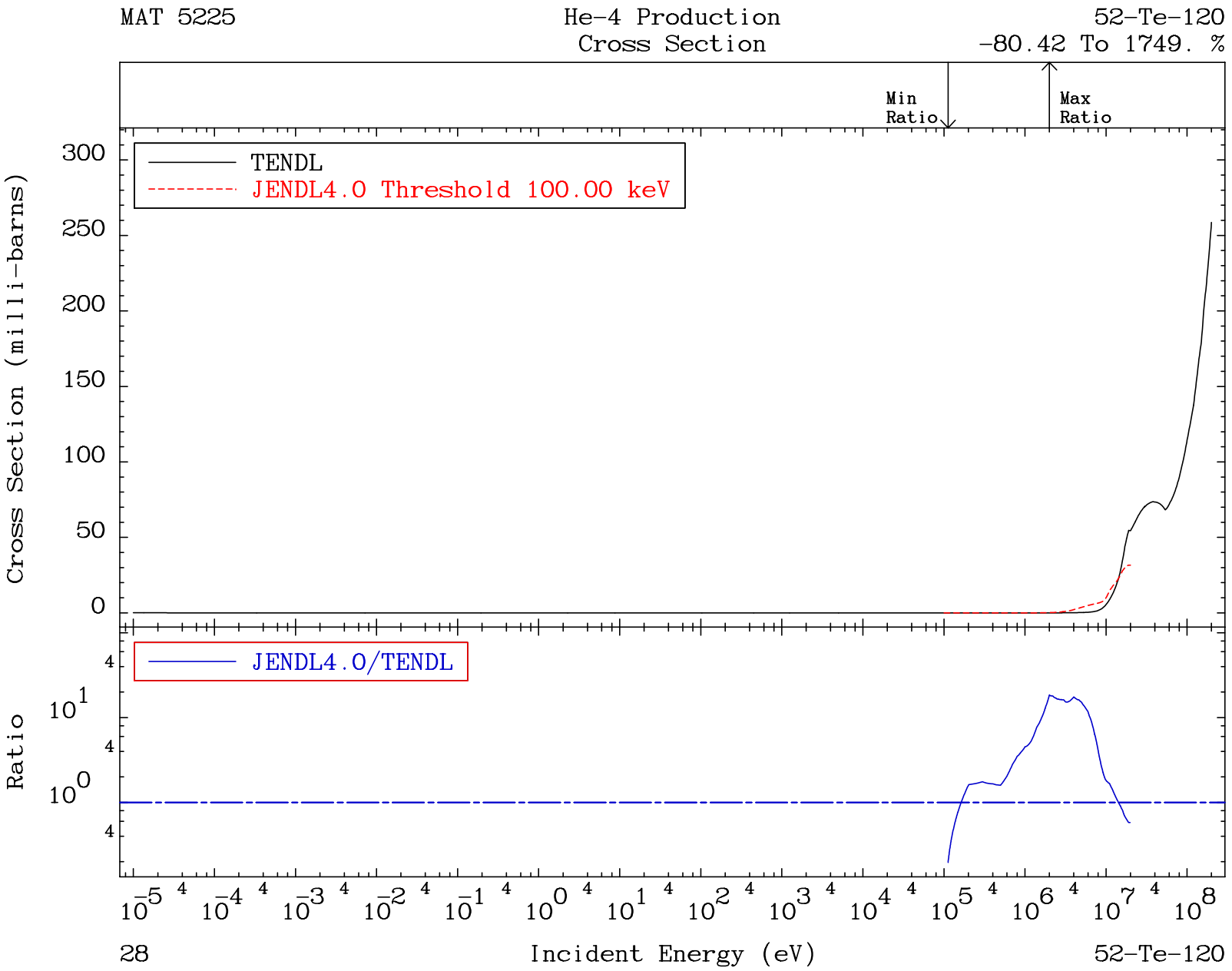

MAT 5225
(n,α)
Cross Section
52-Te-120
-80.42 To 1749. %
Min Ratio
Max Ratio
TENDL
JENDL4.0 Threshold 100.00 keV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
23
52-Te-120

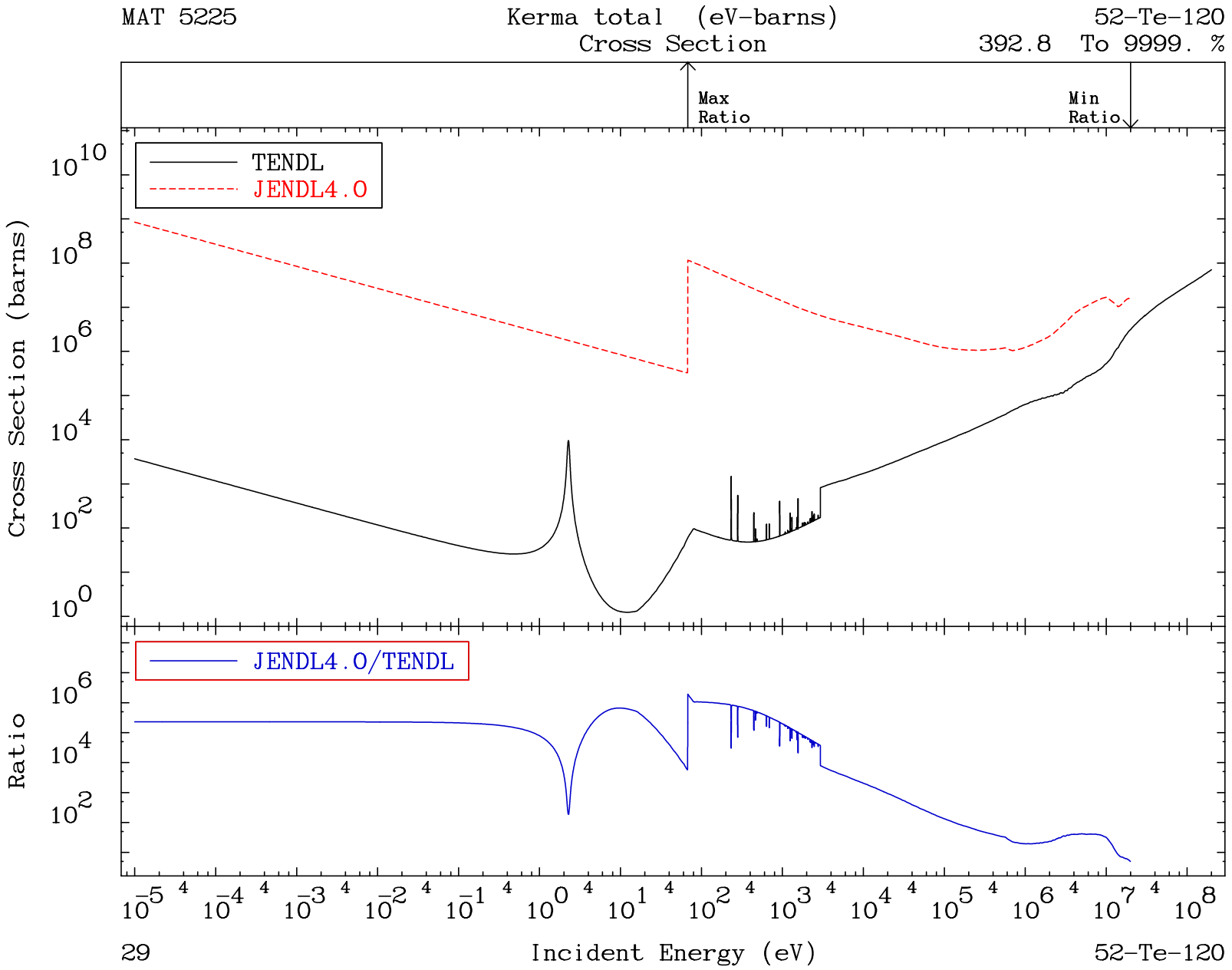

MAT 5225
Hydrogen Production
Cross Section
52-Te-120
-100.0 To 5.953 %
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JENDL4.0 Threshold 500.00 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
52-Te-120

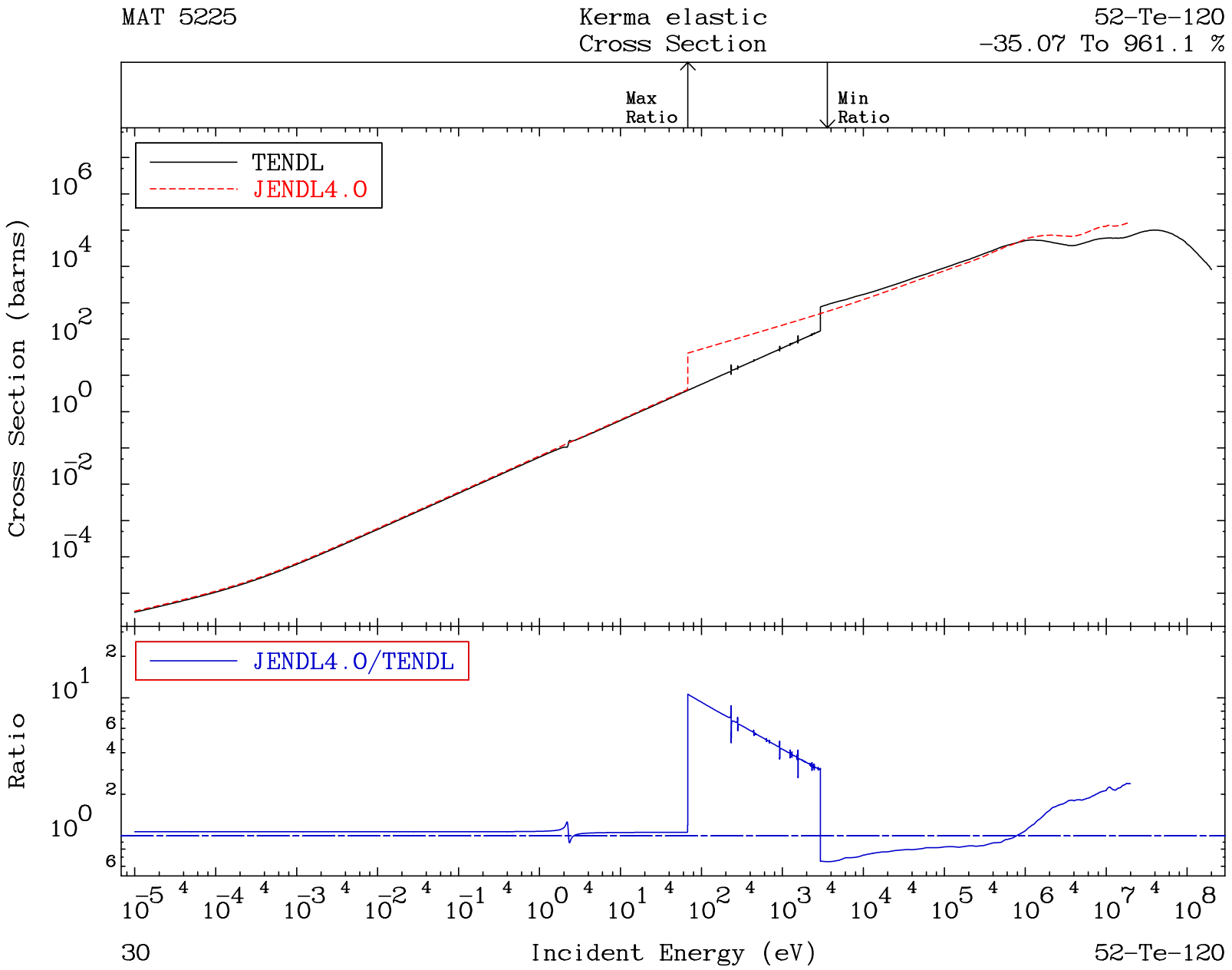

MAT 5225
Deuterium Production
Cross Section
52-Te-120
-100.0 To 21.44 %
Min Ratio
Max Ratio
TENDL Threshold 4.9927 MeV
JENDL4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
52-Te-120

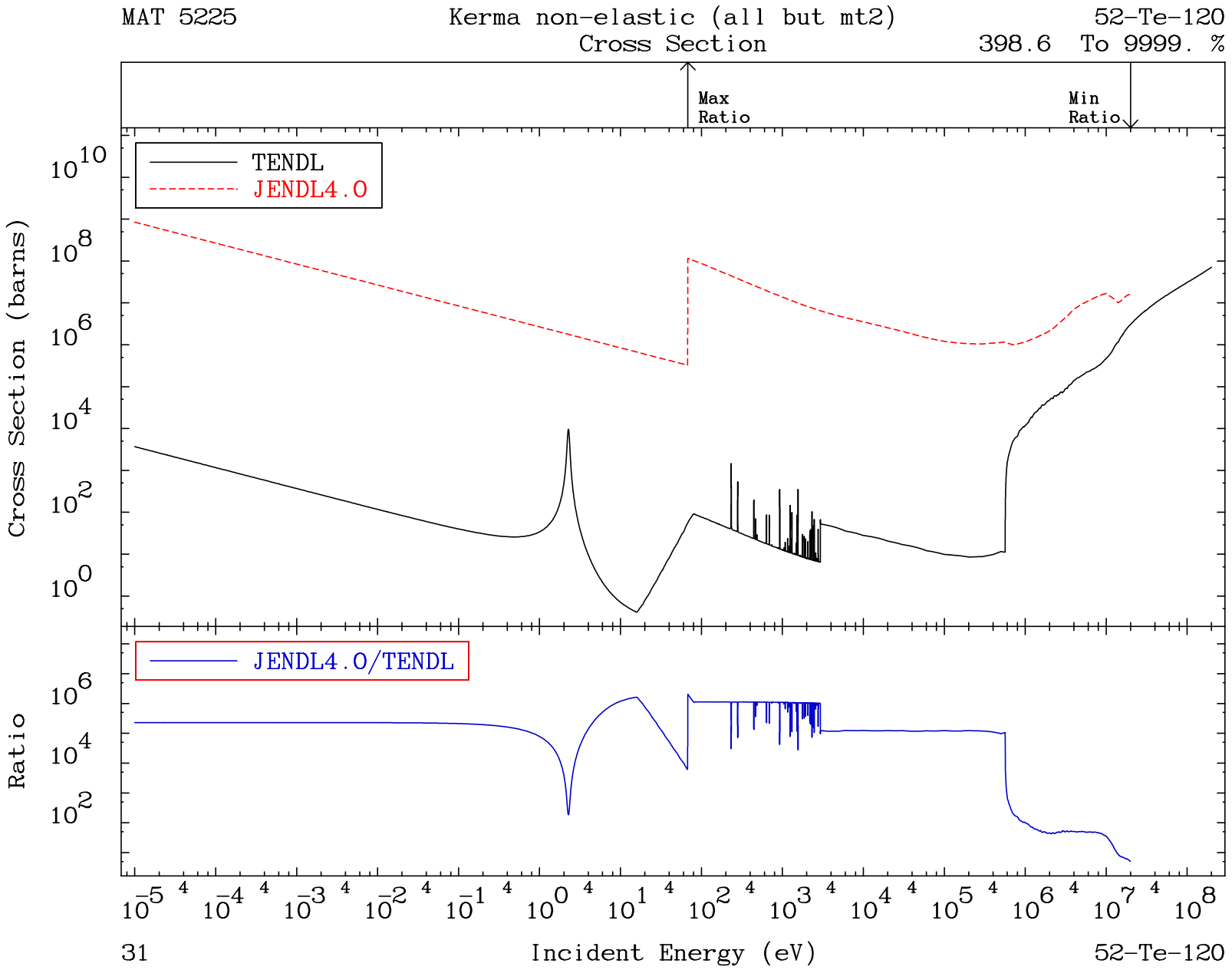

MAT 5225
Tritium Production
Cross Section
52-Te-120
-100.0 To 390.0 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
52-Te-120

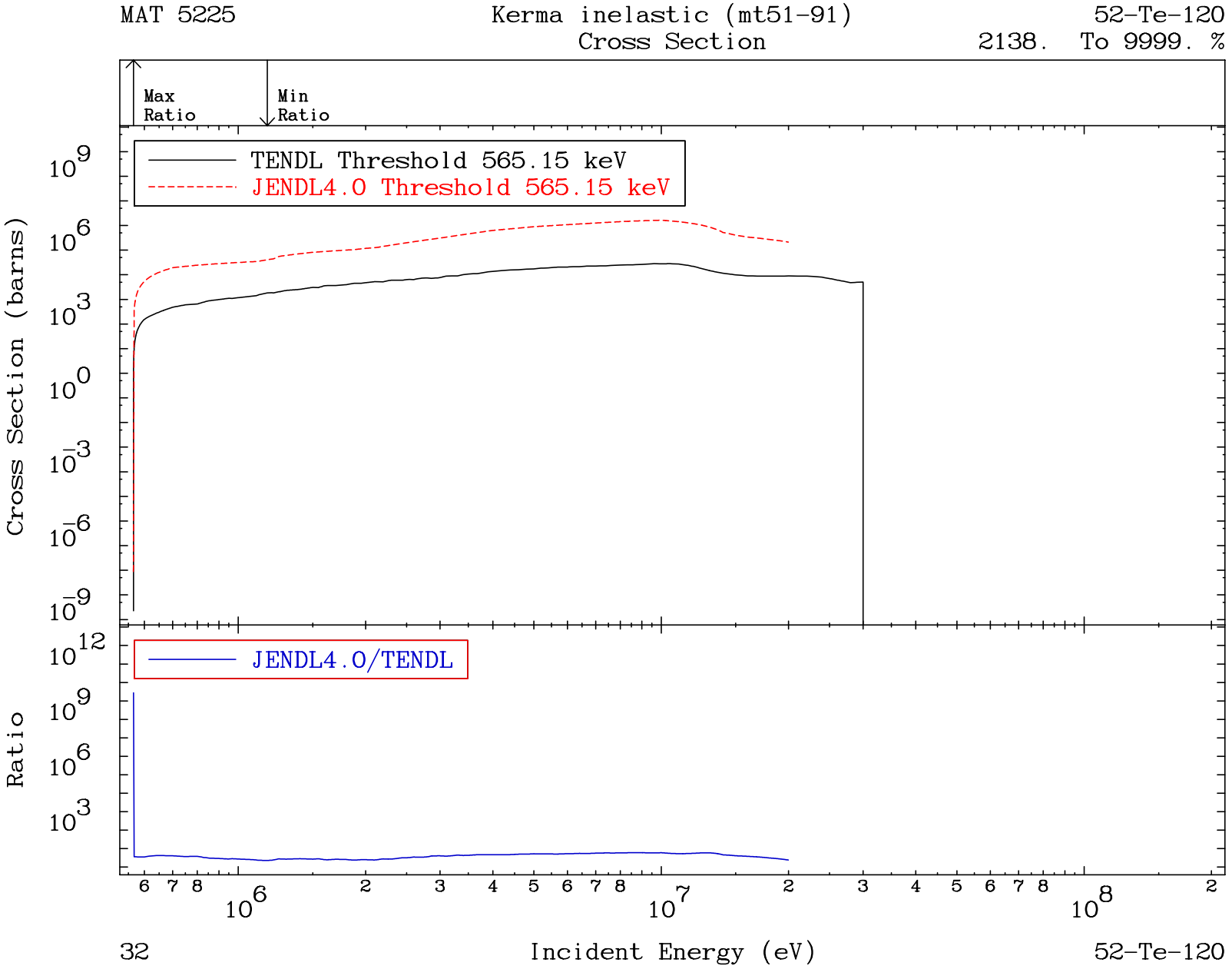

MAT 5225
He-3 Production
Cross Section
52-Te-120
-99.58 To 666.7 %
Min Ratio
Max Ratio
TENDL Threshold 4.6076 MeV
JENDL4.0 Threshold 7.2753 MeV
Cross Section (milli-barns)
300
200
100
0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
52-Te-120

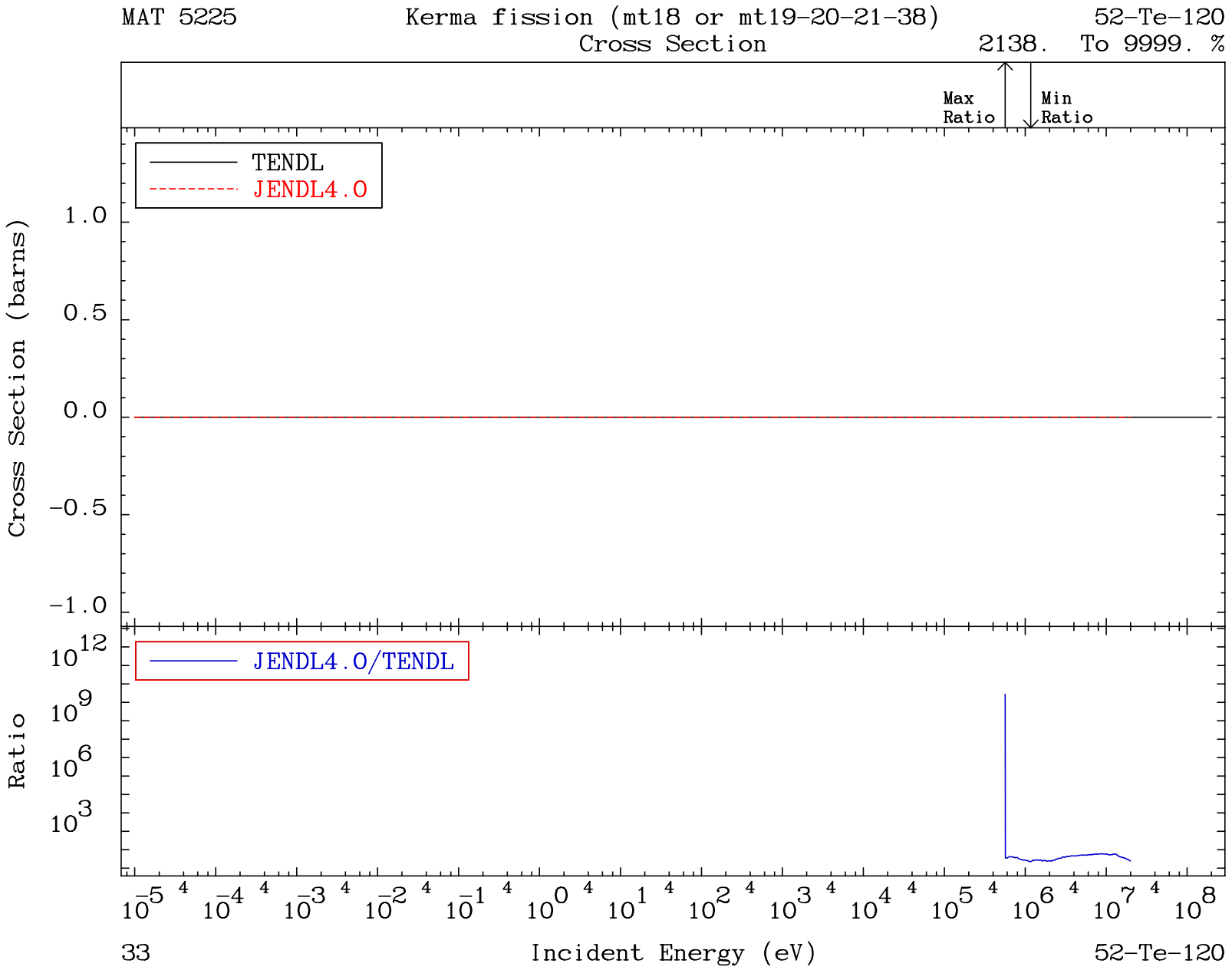

MAT 5225
He-4 Production
Cross Section
52-Te-120
-80.42 To 1749. %
Min Ratio
Max Ratio
TENDL
JENDL4.0 Threshold 100.00 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
52-Te-120

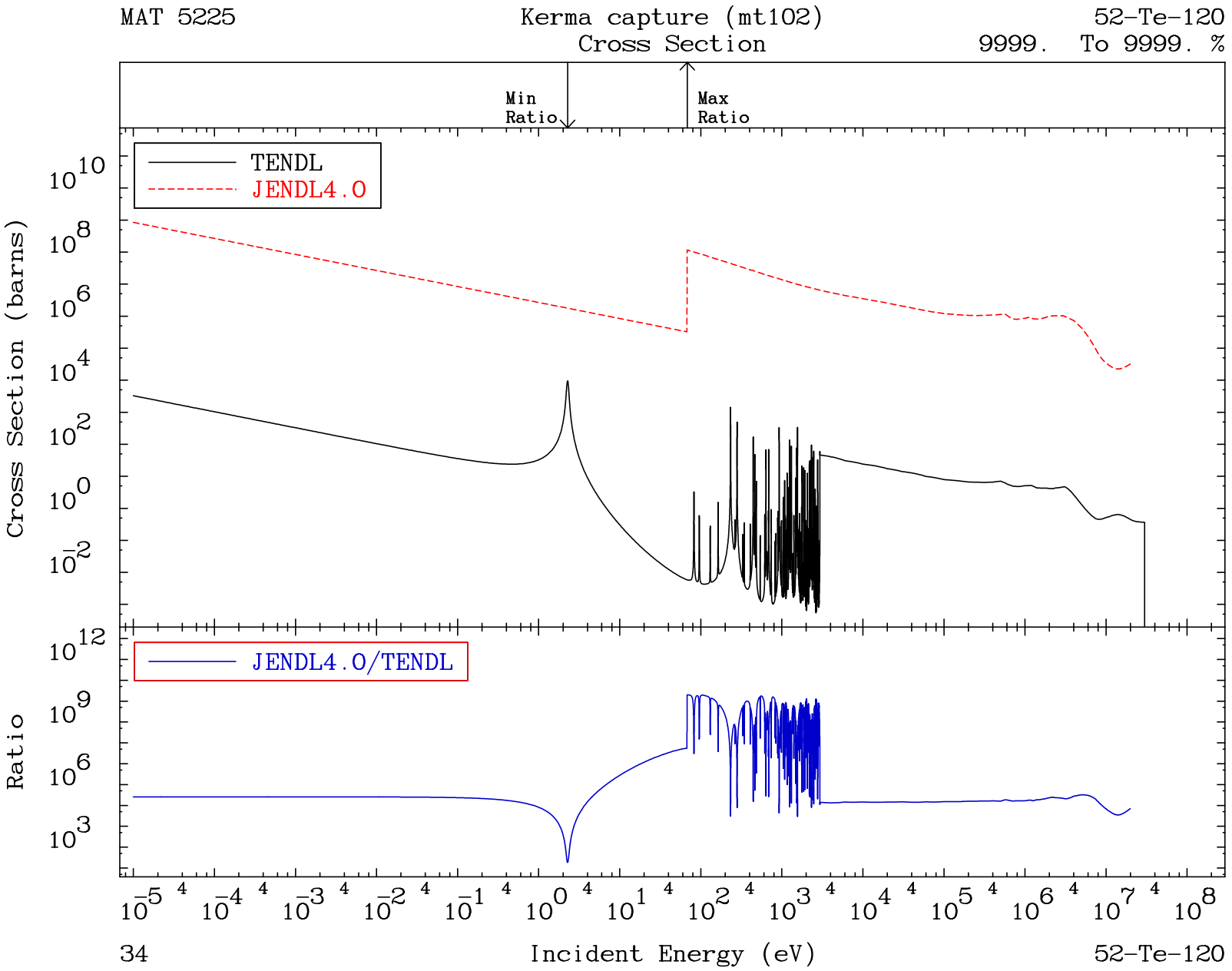

MAT 5225
Kerma total (eV-barns)
Cross Section
52-Te-120
392.8 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
29
52-Te-120

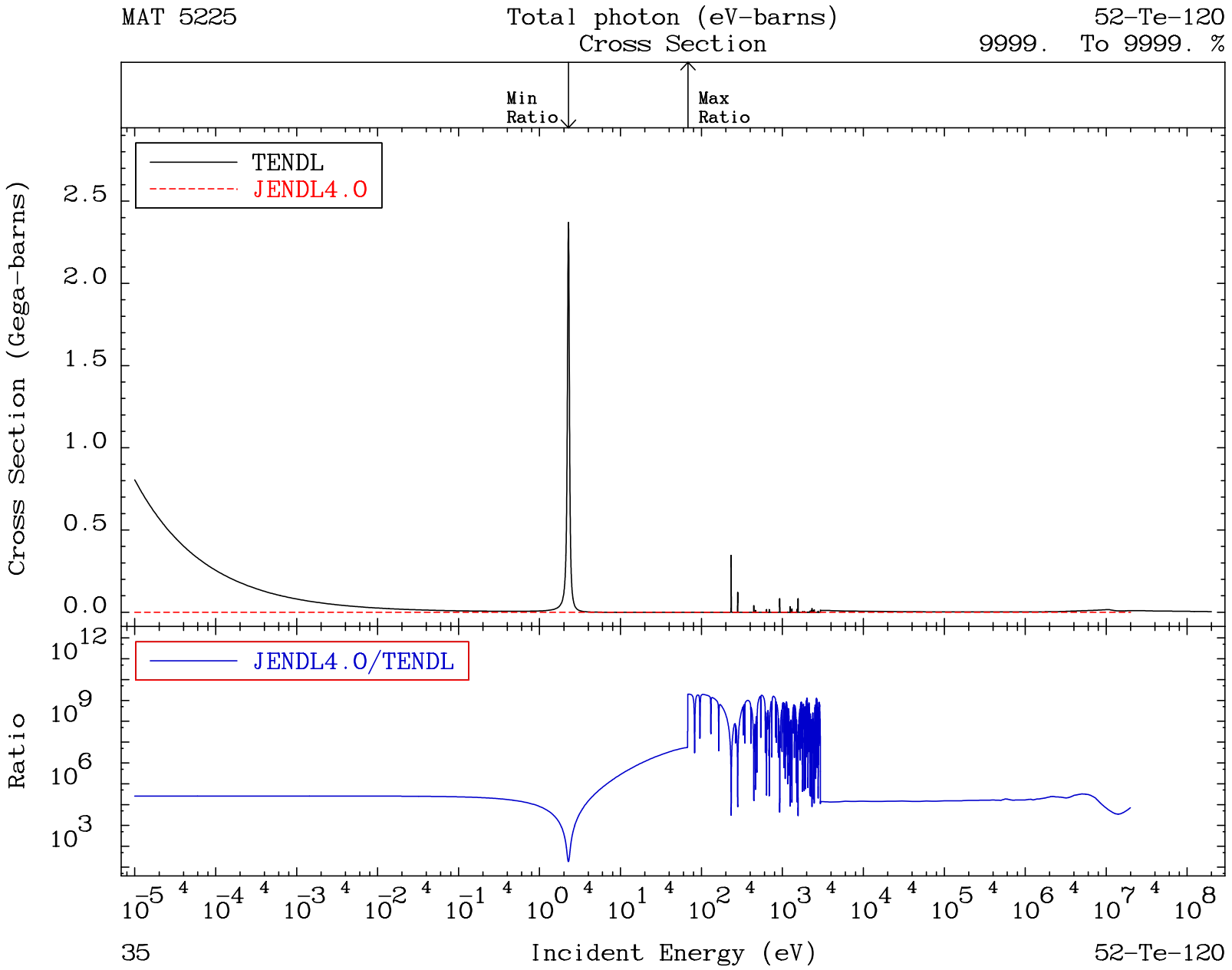

MAT 5225
Kerma elastic
Cross Section
52-Te-120
-35.07 To 961.1 %
Max
Ratio
Min
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
30
52-Te-120

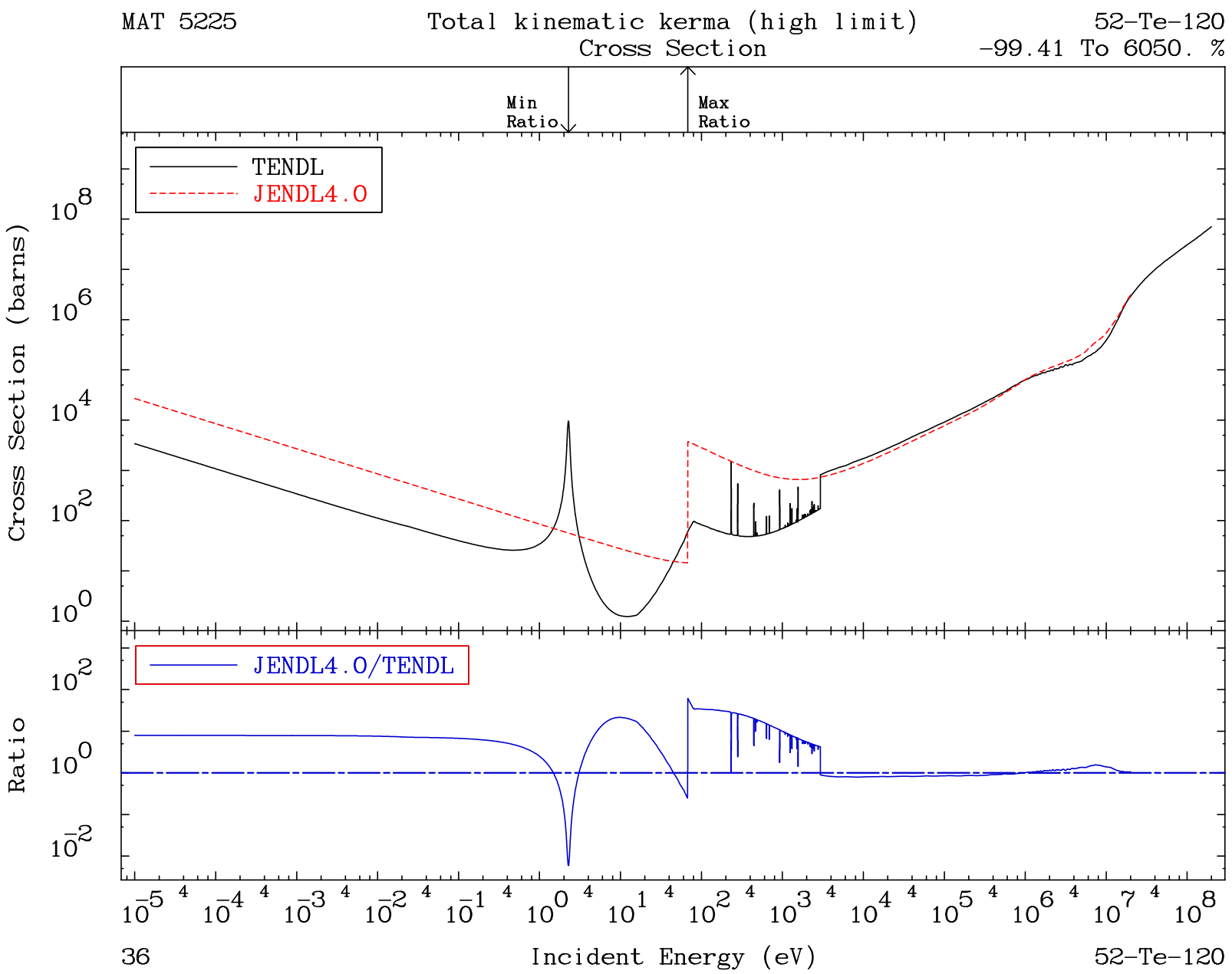

MAT 5225
Kerma non-elastic (all but mt2)
Cross Section
52-Te-120
398.6 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
31
52-Te-120

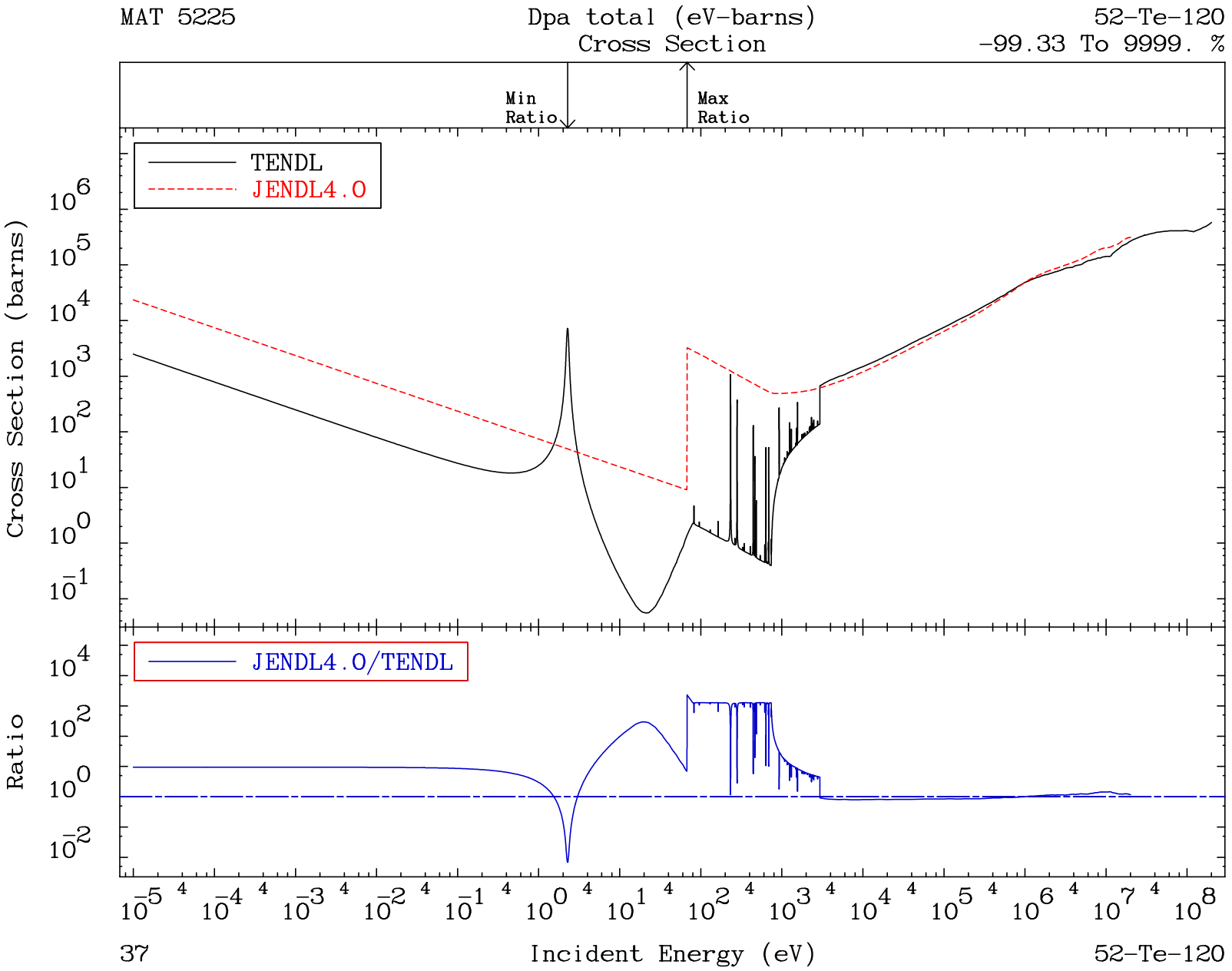

MAT 5225
Kerma inelastic (mt51-91)
Cross Section
52-Te-120
2138. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 565.15 keV
JENDL4.0 Threshold 565.15 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
32
52-Te-120

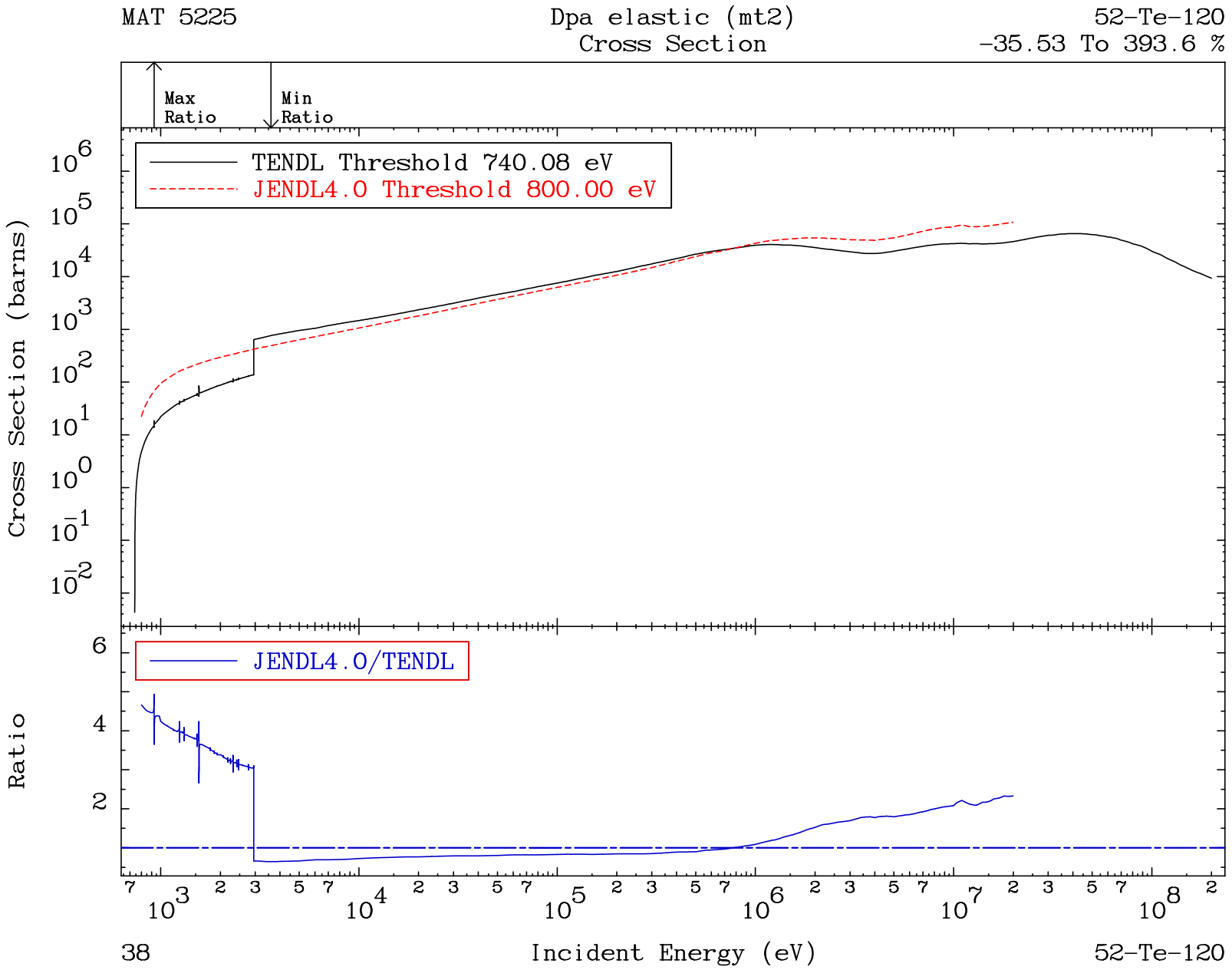

MAT 5225
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
52-Te-120
2138. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
10^12
10^9
10^6
10^3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
33
Incident Energy (eV)
52-Te-120

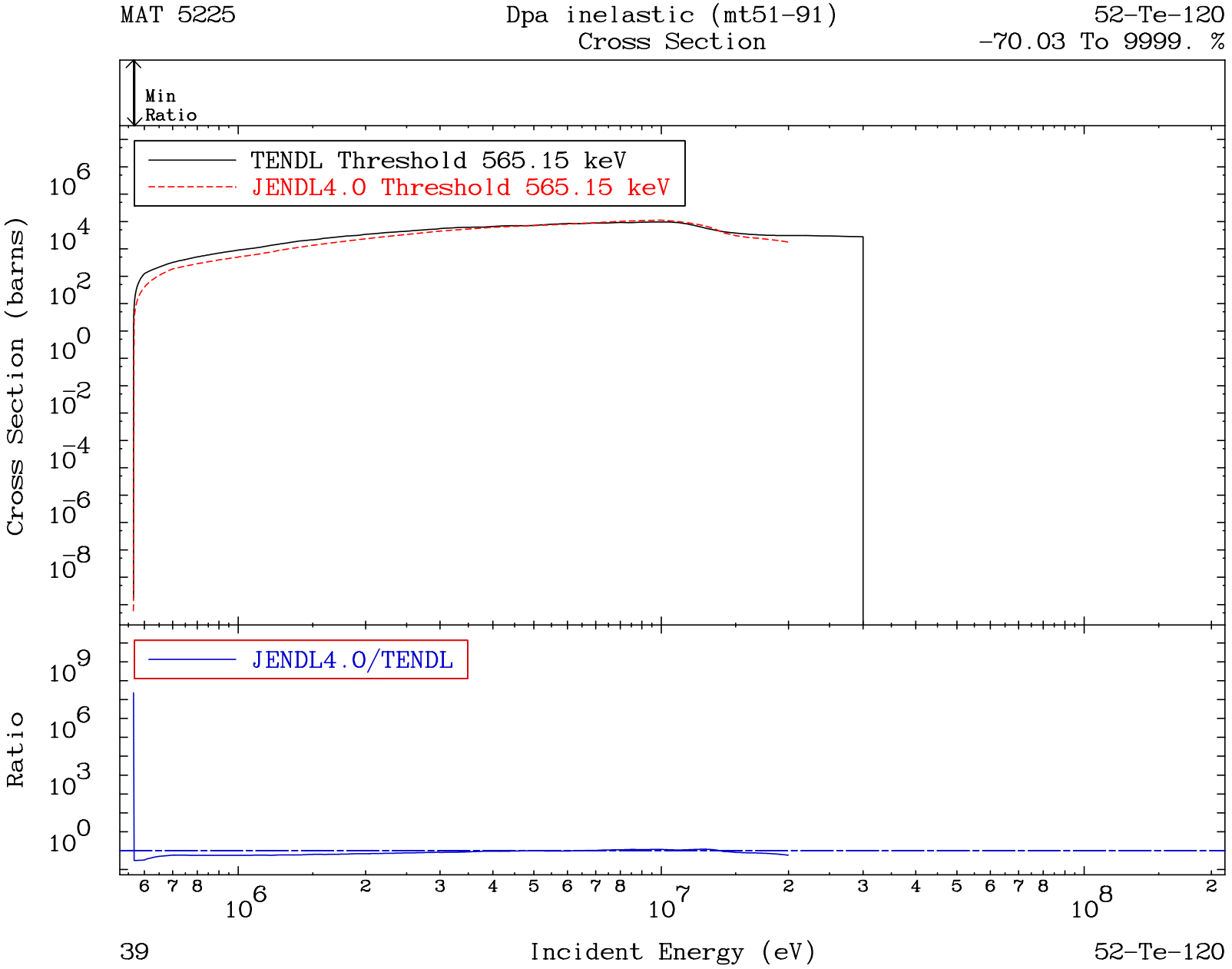

MAT 5225
Kerma capture (mt102)
Cross Section
52-Te-120
9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
34
Incident Energy (eV)
52-Te-120

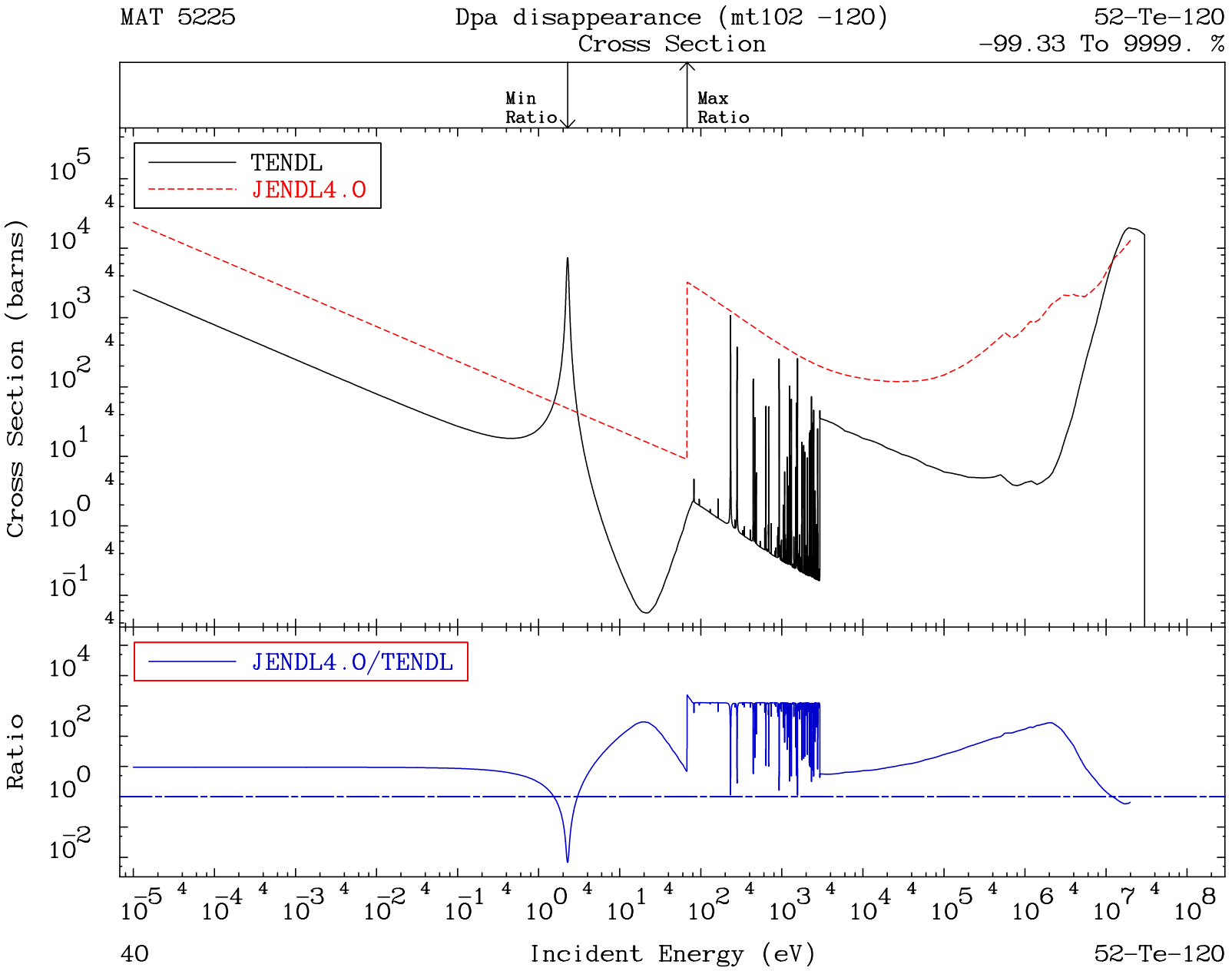

MAT 5225
Total photon (eV-barns)
Cross Section
52-Te-120
9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (Giga-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^{12}
10^{9}
10^{6}
10^{3}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
35
Incident Energy (eV)
52-Te-120

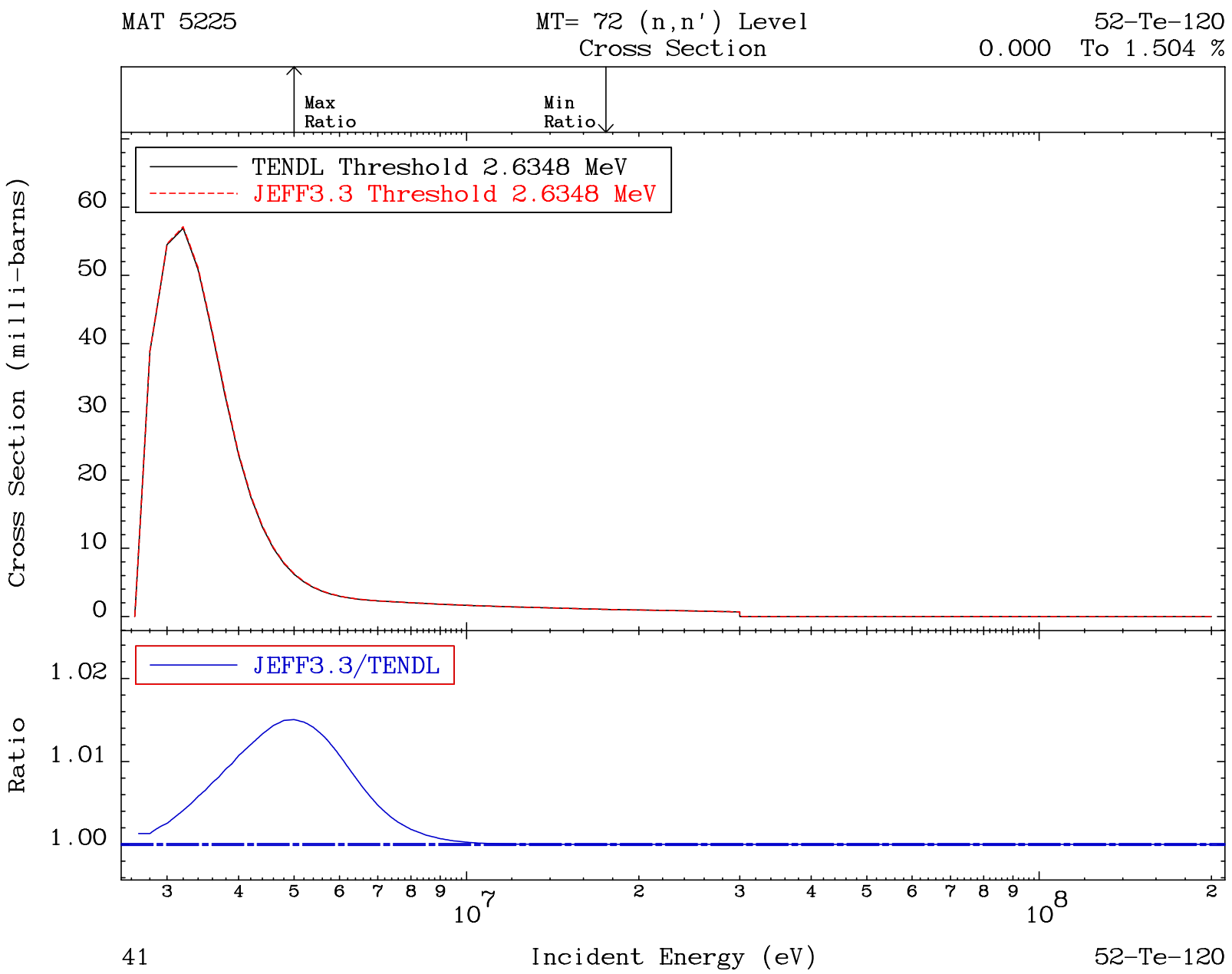

MAT 5225
Total kinematic kerma (high limit)
Cross Section
52-Te-120
-99.41 To 6050. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
Ratio
JENDL4.0/TENDL
Incident Energy (eV)
36
52-Te-120

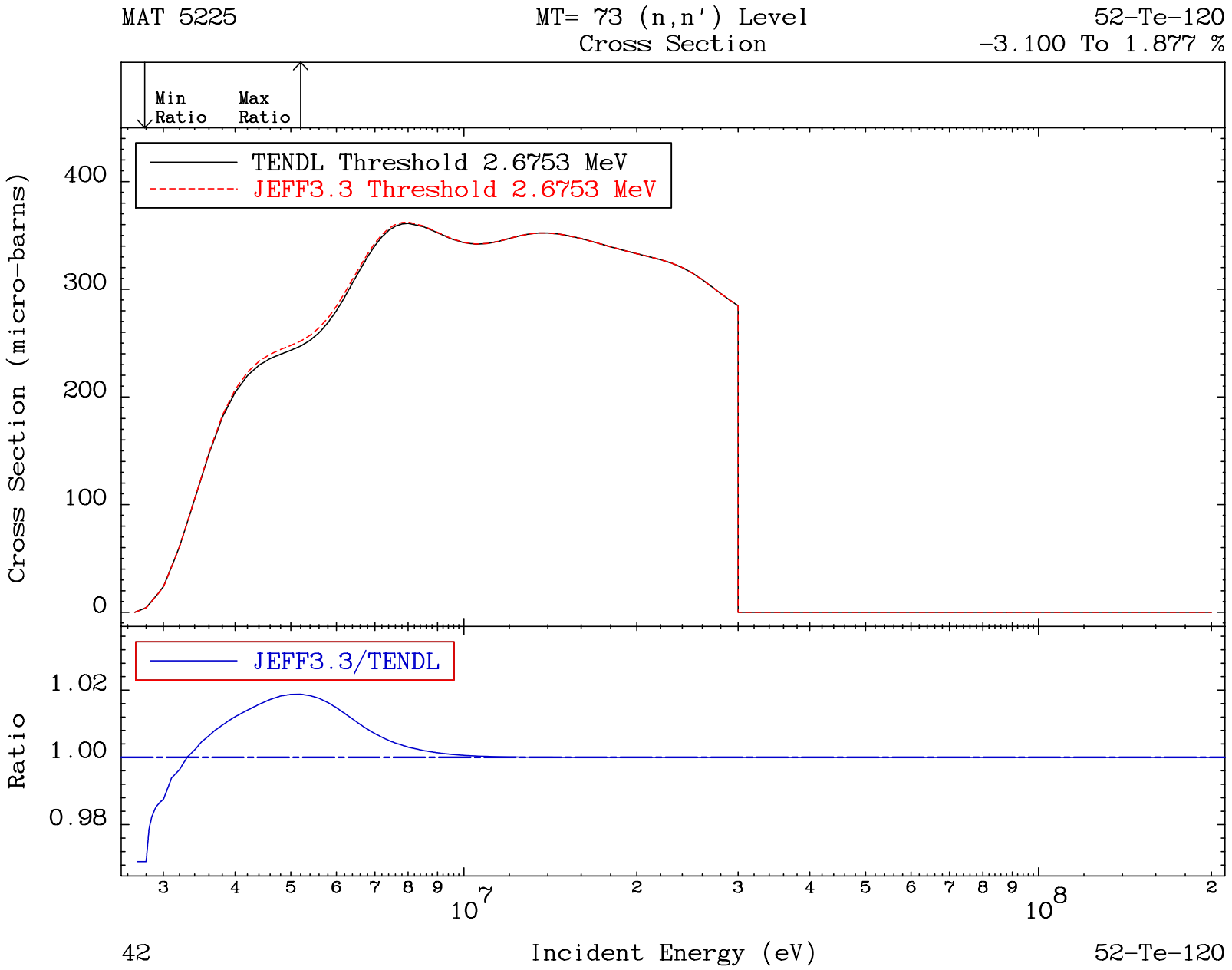

MAT 5225
Dpa total (eV-barns)
Cross Section
52-Te-120
-99.33 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
37
52-Te-120

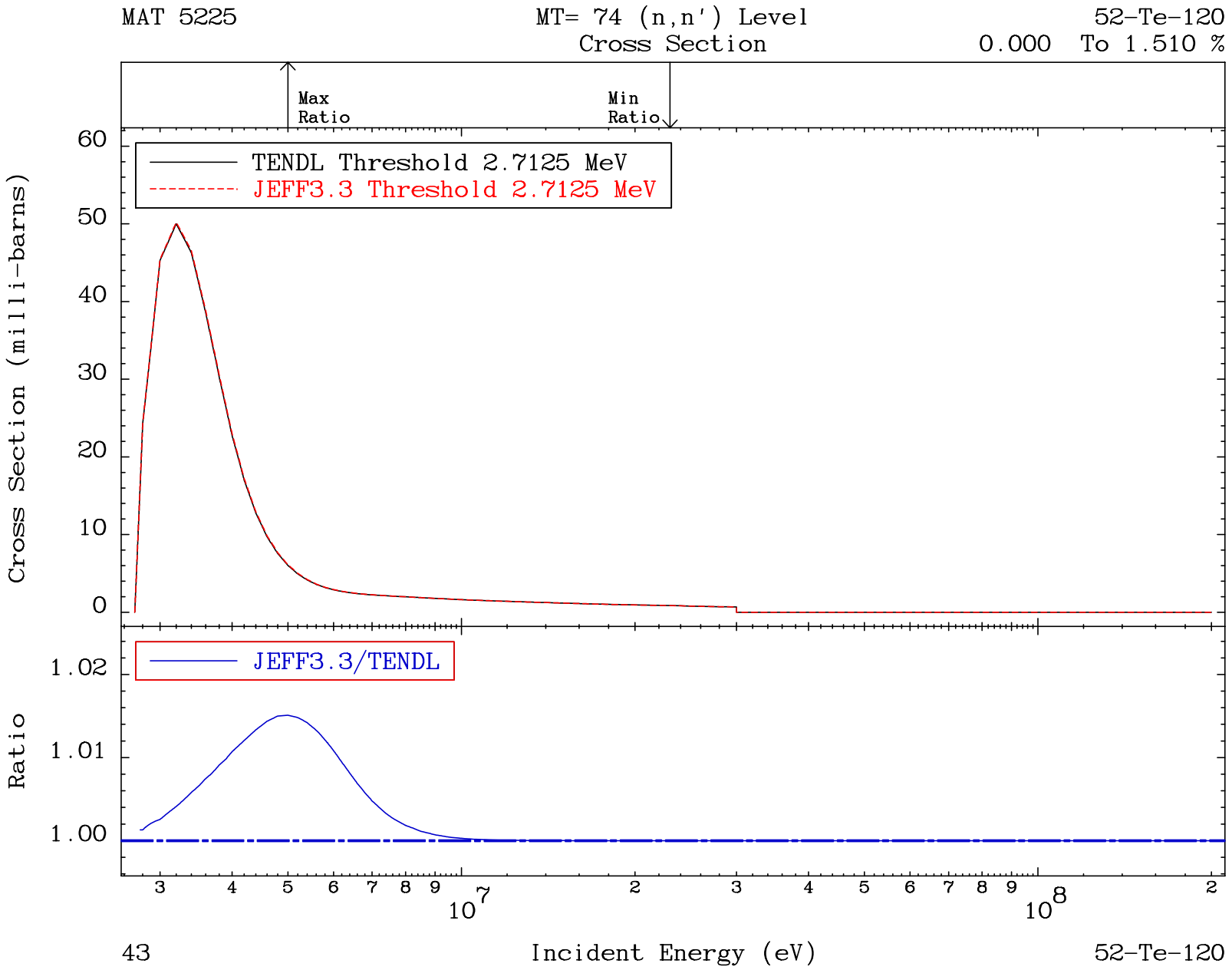

MAT 5225
Dpa elastic (mt2)
Cross Section
52-Te-120
-35.53 To 393.6 %
Max Ratio
Min Ratio
TENDL Threshold 740.08 eV
JENDL4.0 Threshold 800.00 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
38
52-Te-120

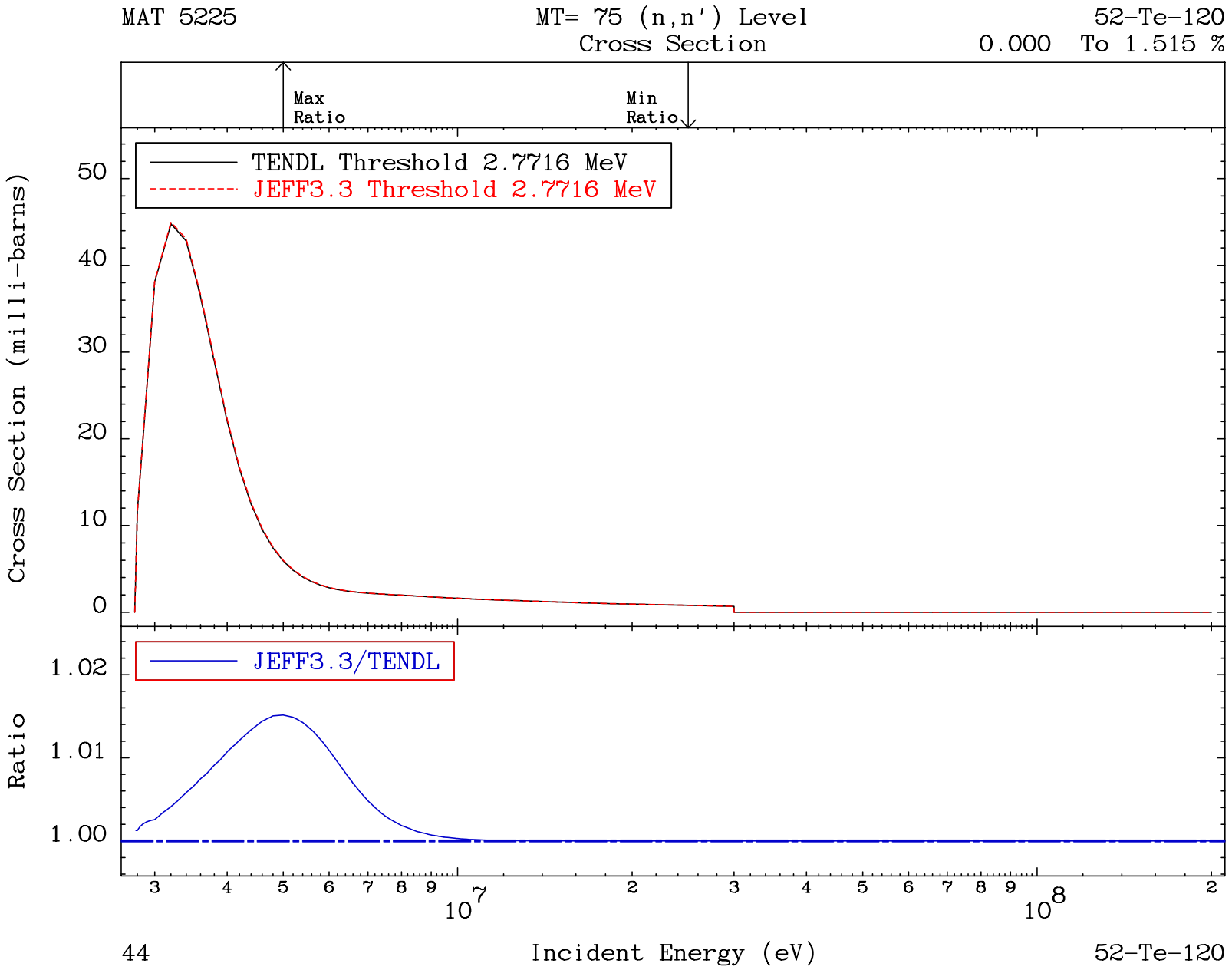

MAT 5225
Dpa inelastic (mt51-91)
Cross Section
52-Te-120
-70.03 To 9999. %
Min
Ratio
TENDL Threshold 565.15 keV
JENDL4.0 Threshold 565.15 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
39
52-Te-120

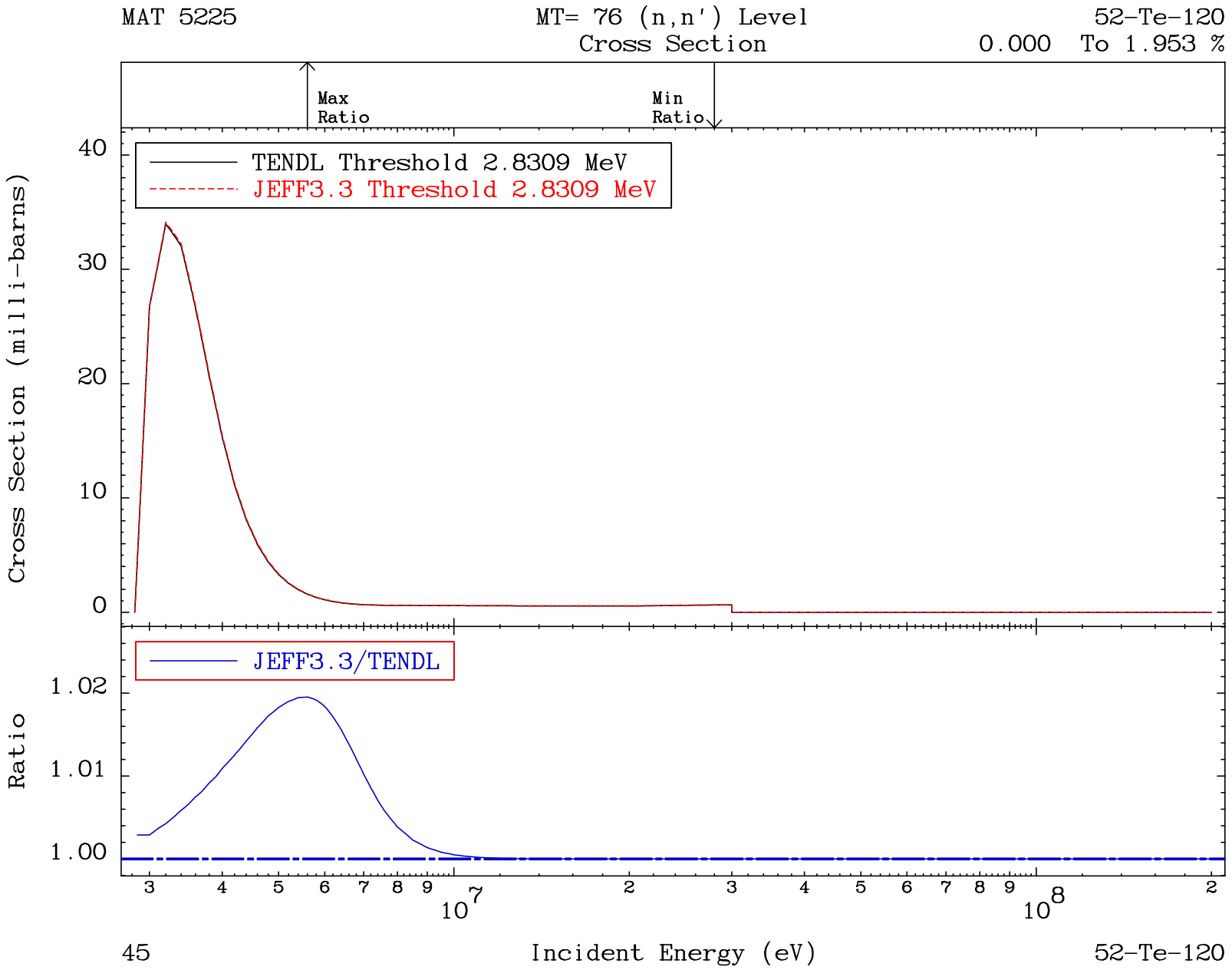

MAT 5225
Dpa disappearance (mt102 -120)
Cross Section
52-Te-120
-99.33 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
40
52-Te-120

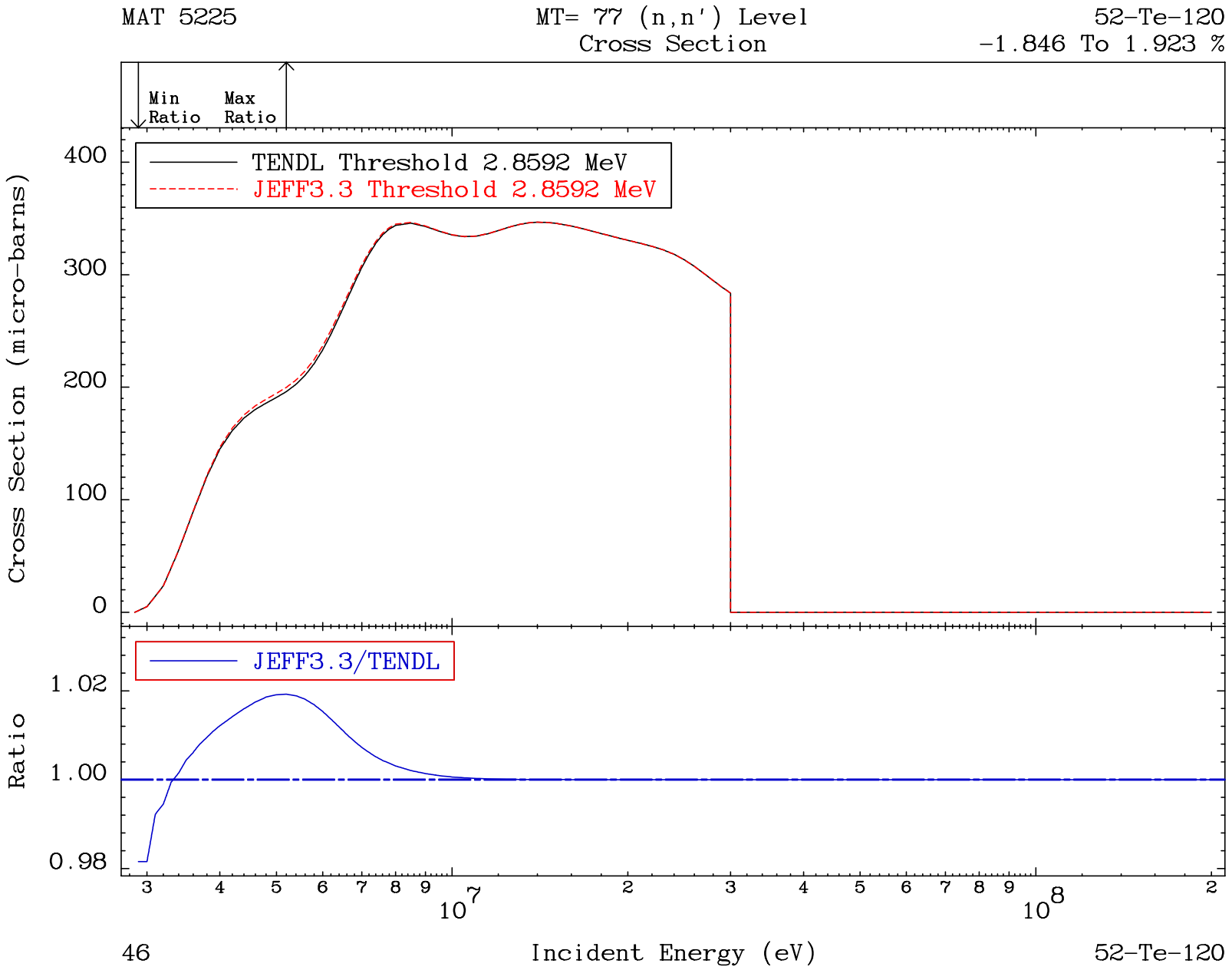

MAT 5225
MT= 72 (n,n') Level
Cross Section
52-Te-120
0.000 To 1.504 %
Max Ratio
Min Ratio
TENDL Threshold 2.6348 MeV
JEFF3.3 Threshold 2.6348 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
52-Te-120

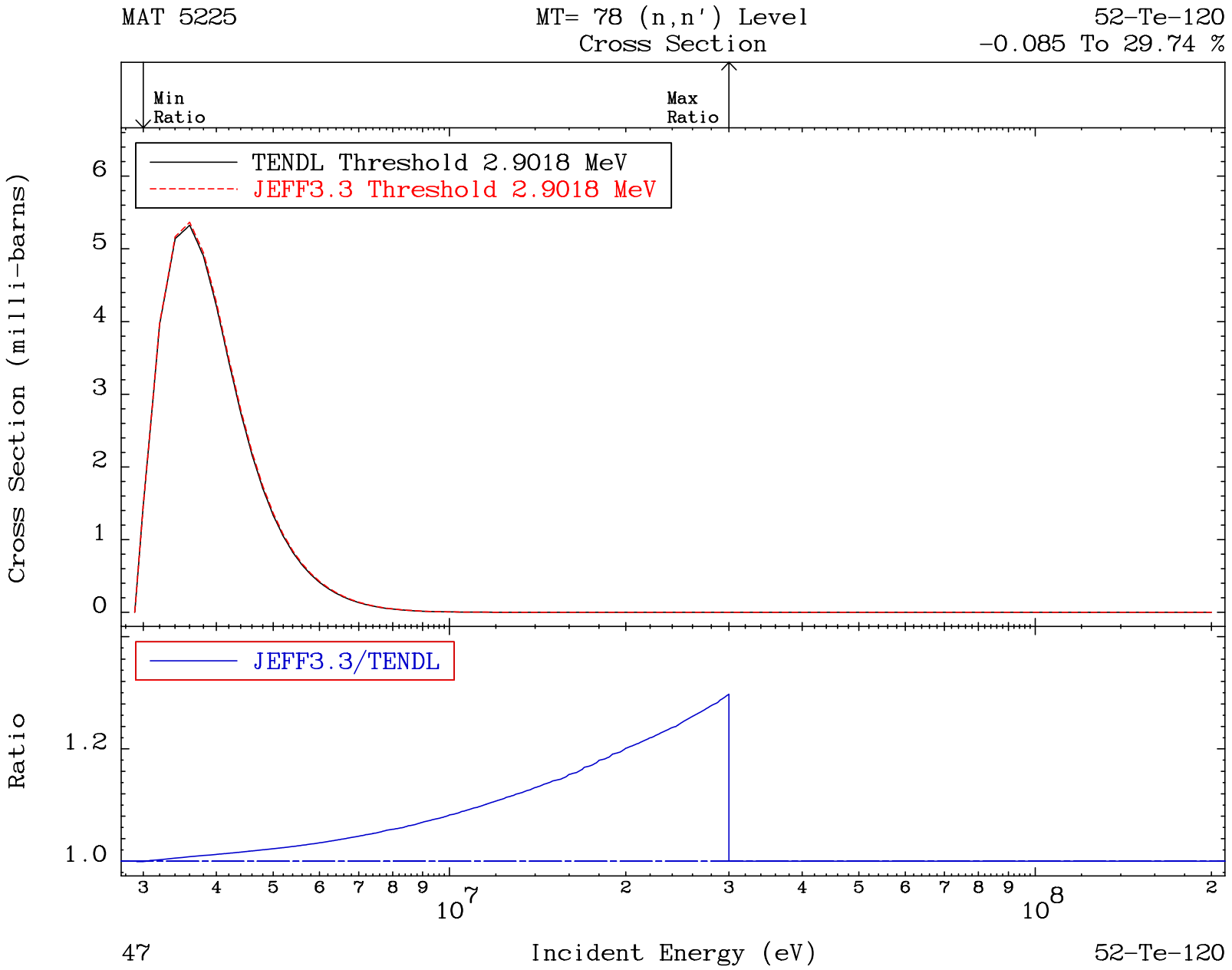

MAT 5225
MT= 73 (n,n') Level
Cross Section
52-Te-120
-3.100 To 1.877 %
Min Ratio
Max Ratio
TENDL Threshold 2.6753 MeV
JEFF3.3 Threshold 2.6753 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.00
0.98
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
42
Incident Energy (eV)
52-Te-120

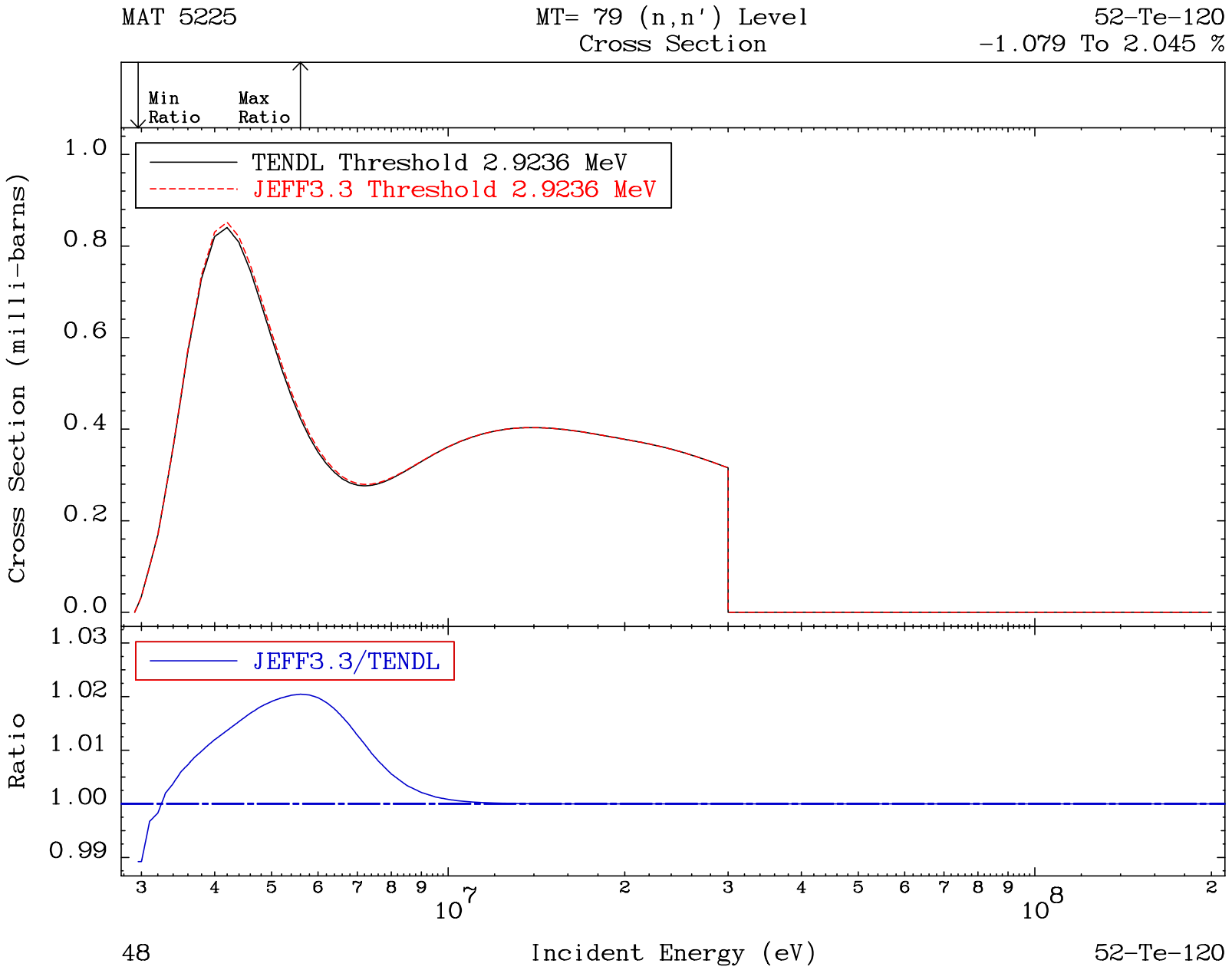

MAT 5225
MT= 74 (n,n') Level
Cross Section
52-Te-120
0.000 To 1.510 %
Max Ratio
Min Ratio
TENDL Threshold 2.7125 MeV
JEFF3.3 Threshold 2.7125 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
43
Incident Energy (eV)
52-Te-120

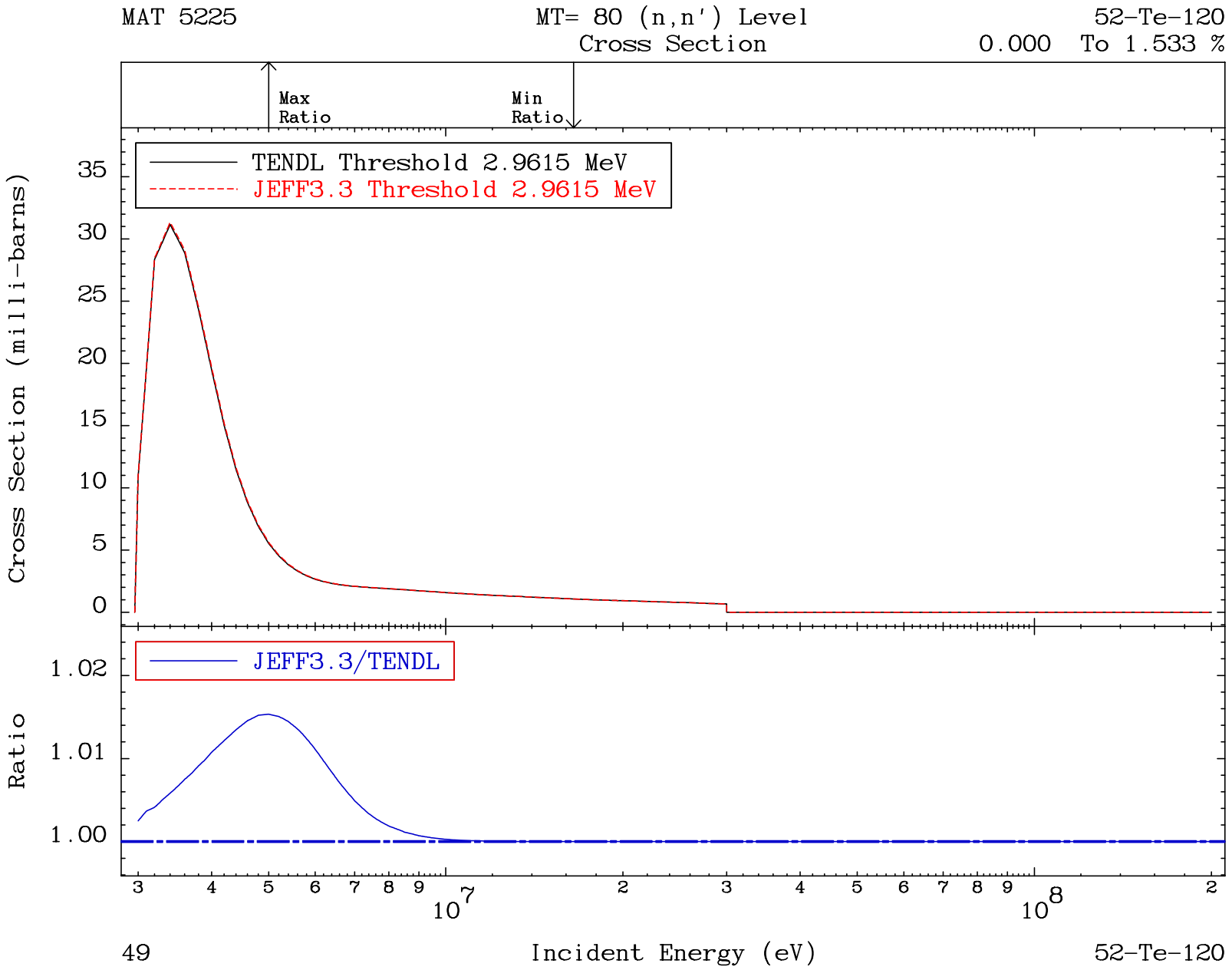

MAT 5225
MT= 75 (n,n') Level
Cross Section
52-Te-120
0.000 To 1.515 %
Max Ratio
Min Ratio
TENDL Threshold 2.7716 MeV
JEFF3.3 Threshold 2.7716 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
44
Incident Energy (eV)
52-Te-120

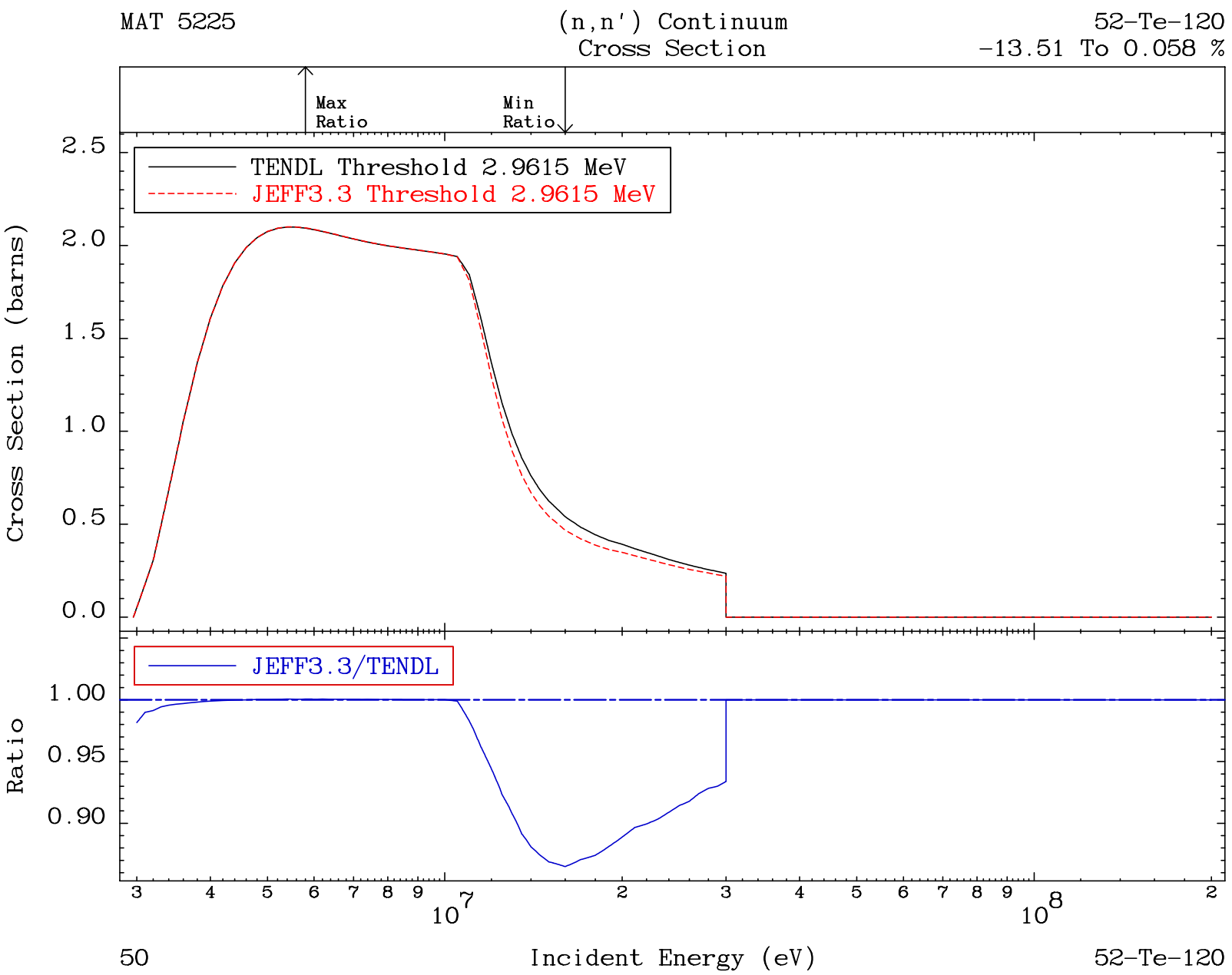

MAT 5225
MT= 76 (n,n') Level
Cross Section
52-Te-120
0.000 To 1.953 %
Max Ratio
Min Ratio
TENDL Threshold 2.8309 MeV
JEFF3.3 Threshold 2.8309 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
45
52-Te-120

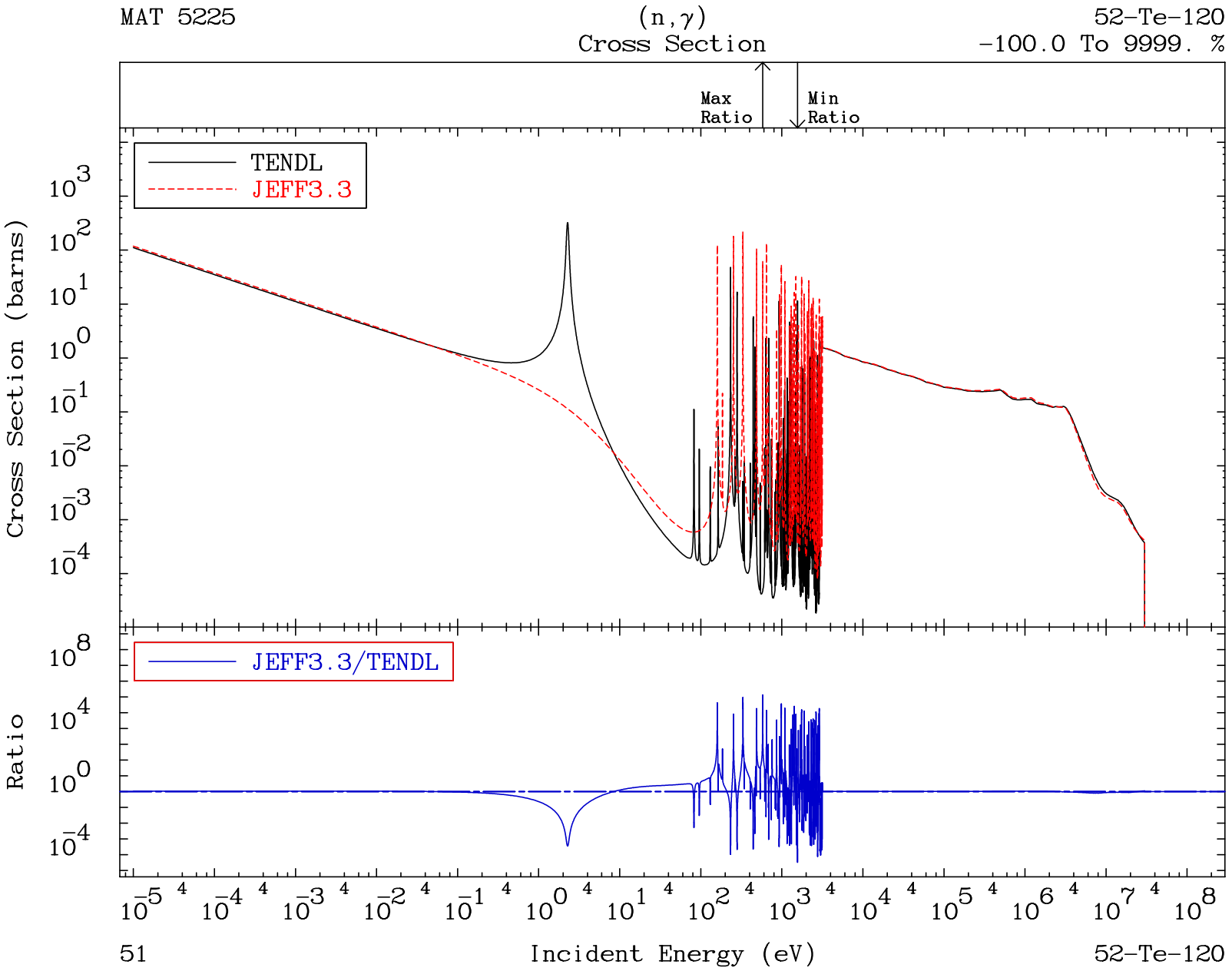

MAT 5225
MT= 77 (n,n') Level
Cross Section
52-Te-120
-1.846 To 1.923 %
Min Ratio
Max Ratio
TENDL Threshold 2.8592 MeV
JEFF3.3 Threshold 2.8592 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.00
0.98
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
46
52-Te-120

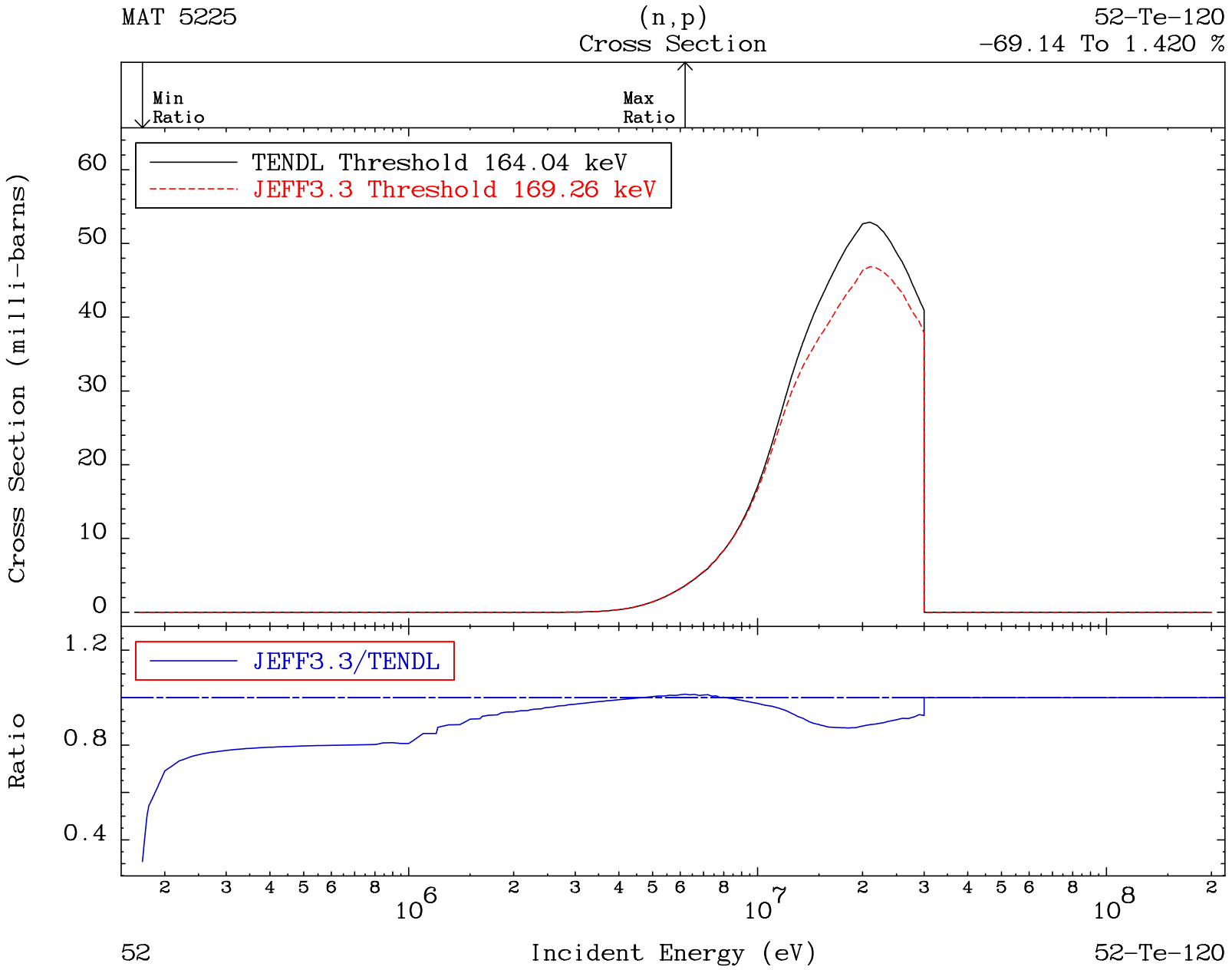

MAT 5225
MT= 78 (n,n') Level
Cross Section
52-Te-120
-0.085 To 29.74 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9018 MeV
JEFF3.3 Threshold 2.9018 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.0
1.2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
52-Te-120

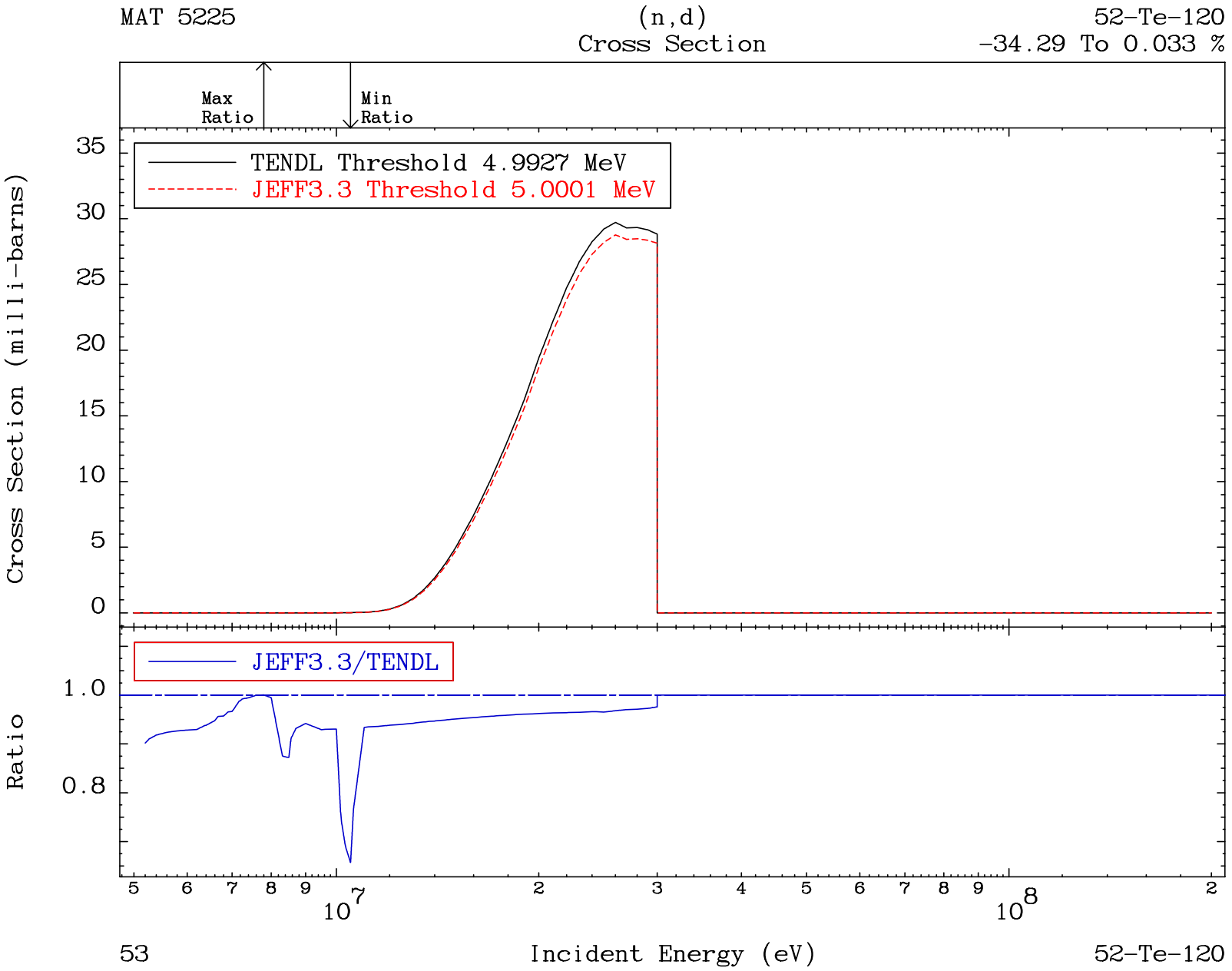

MAT 5225
MT= 79 (n,n') Level
Cross Section
52-Te-120
-1.079 To 2.045 %
Min Ratio
Max Ratio
TENDL Threshold 2.9236 MeV
JEFF3.3 Threshold 2.9236 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
52-Te-120

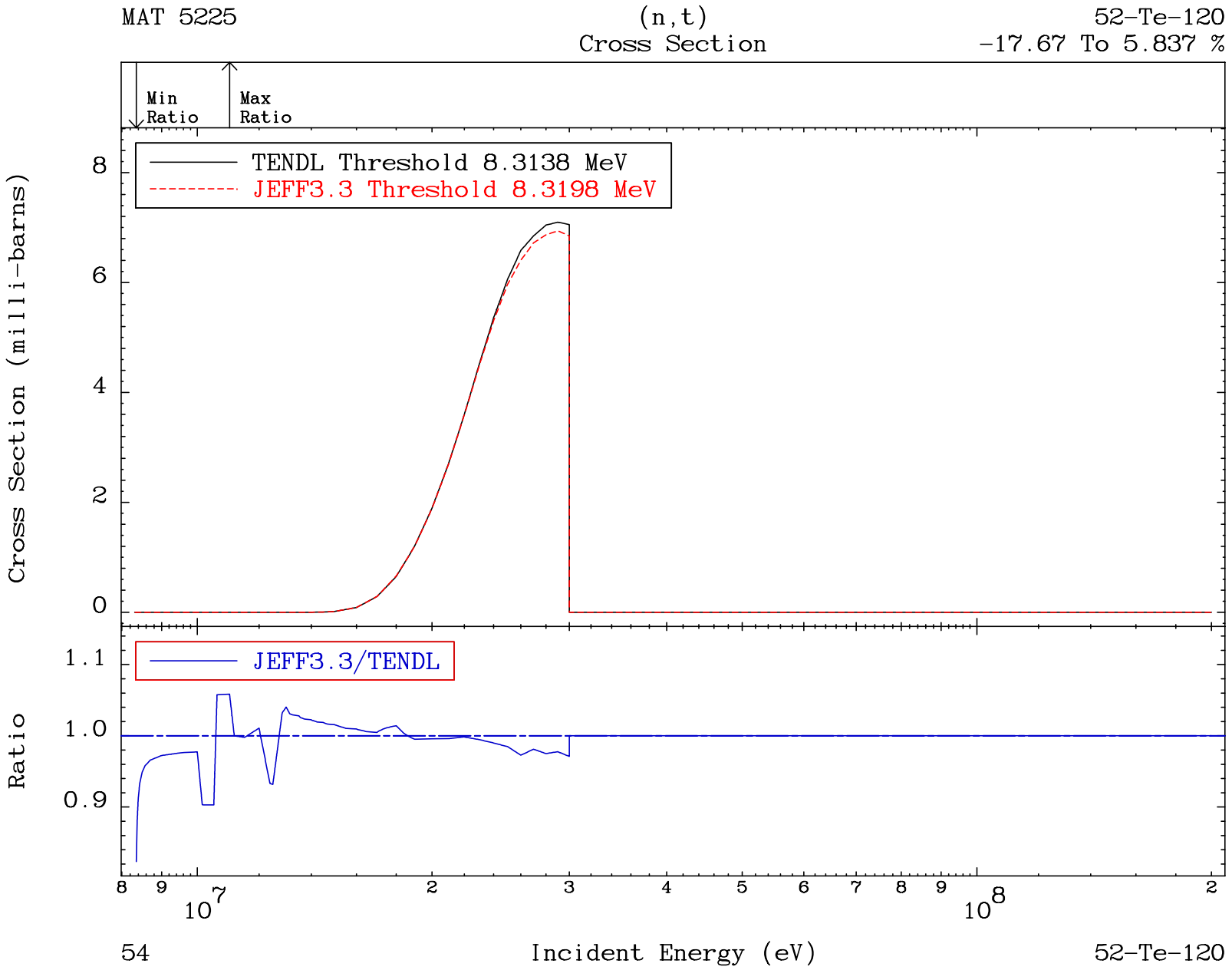

MAT 5225
MT= 80 (n,n') Level
Cross Section
52-Te-120
0.000 To 1.533 %
Max Ratio
Min Ratio
TENDL Threshold 2.9615 MeV
JEFF3.3 Threshold 2.9615 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
49
Incident Energy (eV)
52-Te-120

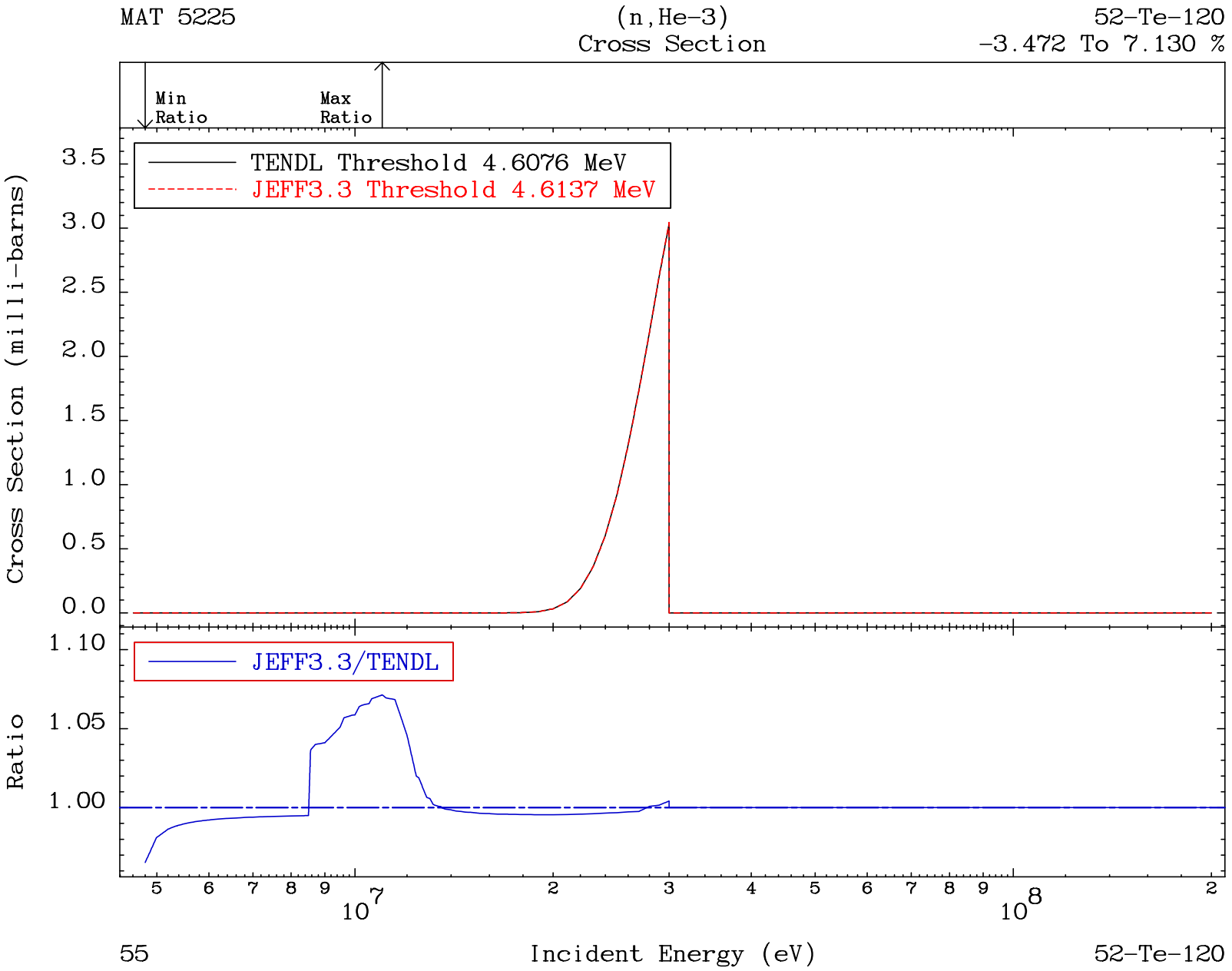

MAT 5225
(n,n') Continuum
Cross Section
52-Te-120
-13.51 To 0.058 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.9615 MeV
JEFF3.3 Threshold 2.9615 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.95
0.90
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
50
Incident Energy (eV)
52-Te-120

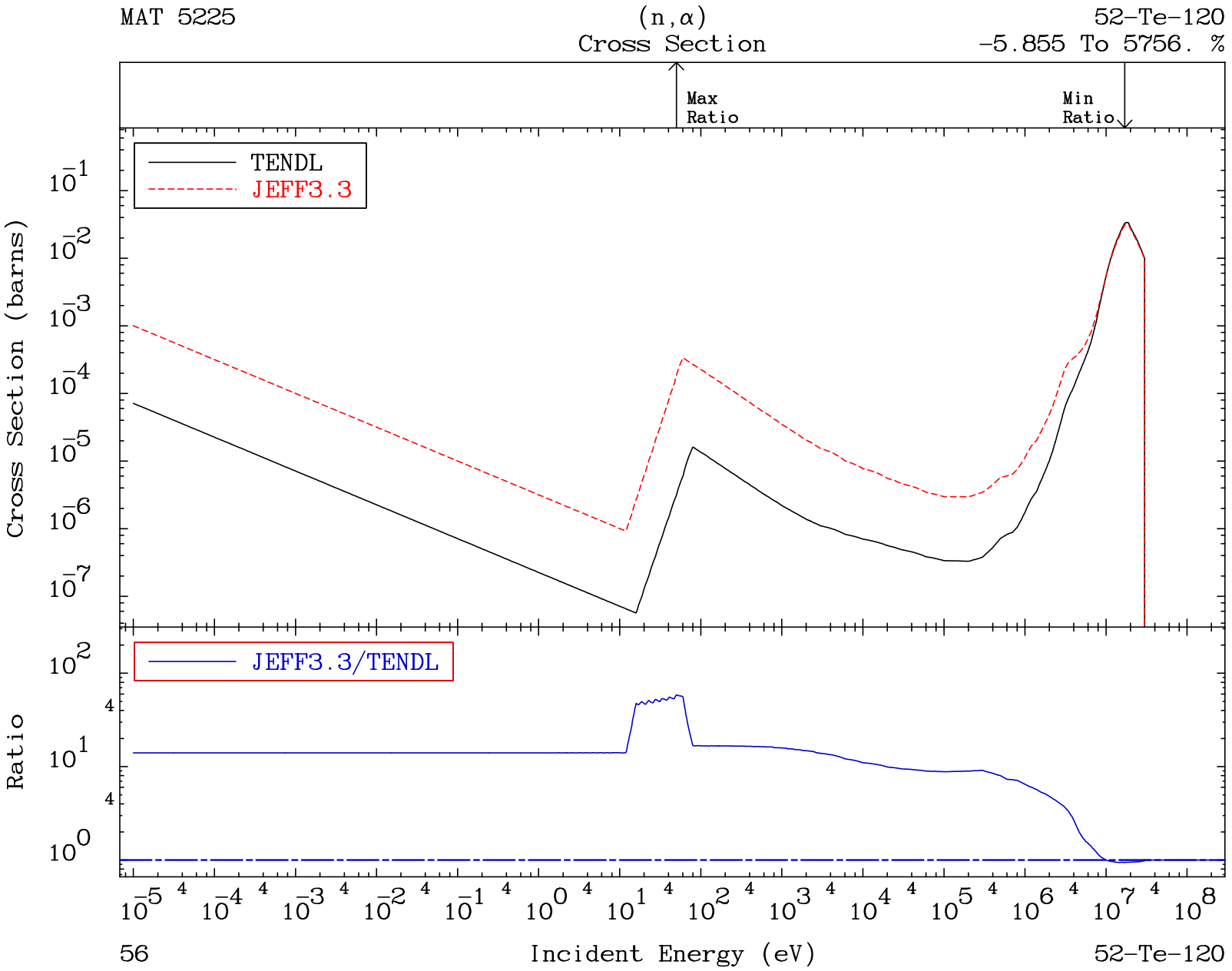

MAT 5225
(n,γ)
Cross Section
52-Te-120
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
52-Te-120

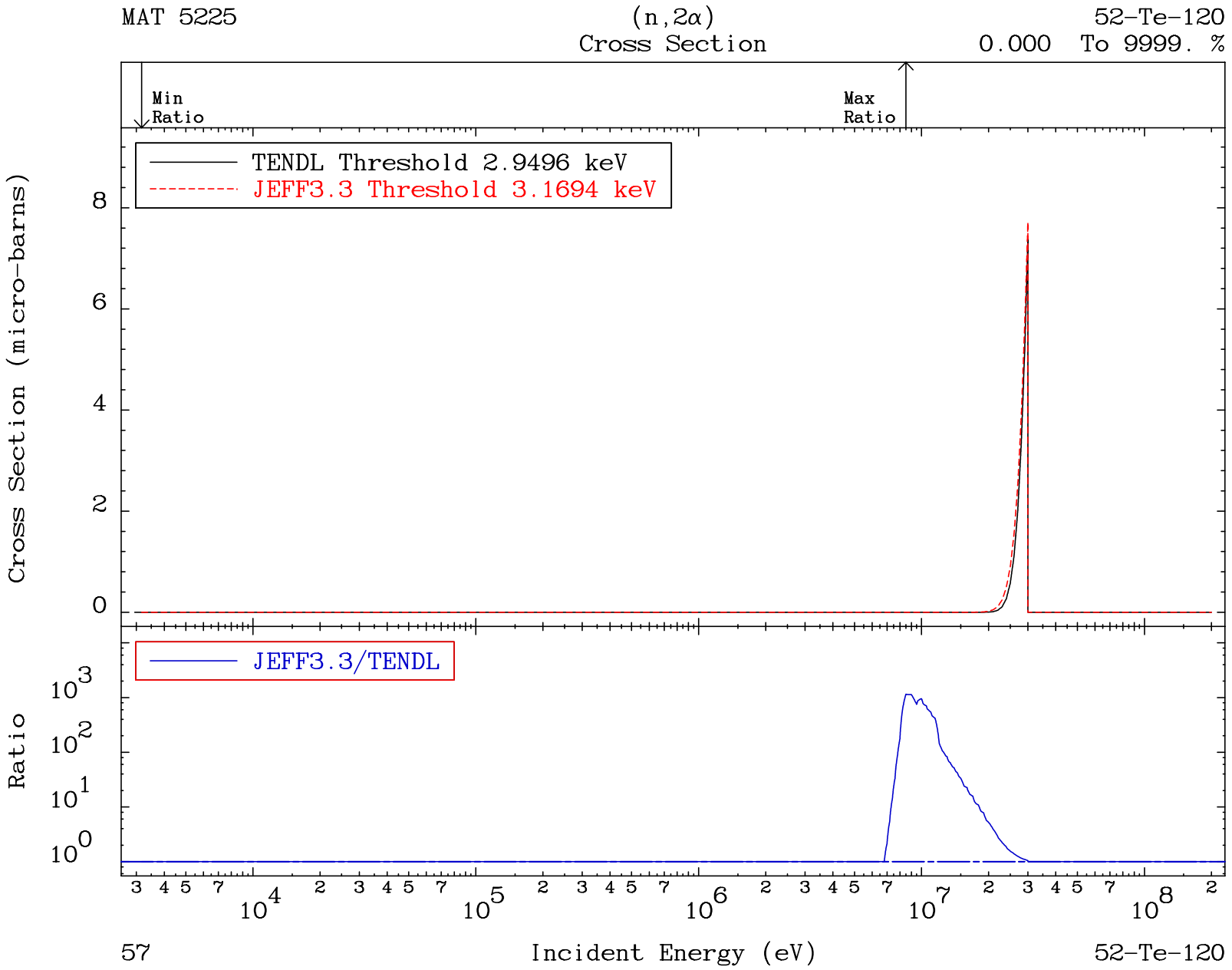

MAT 5225
(n,p)
Cross Section
52-Te-120
-69.14 To 1.420 %
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JEFF3.3 Threshold 169.26 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
52
Incident Energy (eV)
52-Te-120

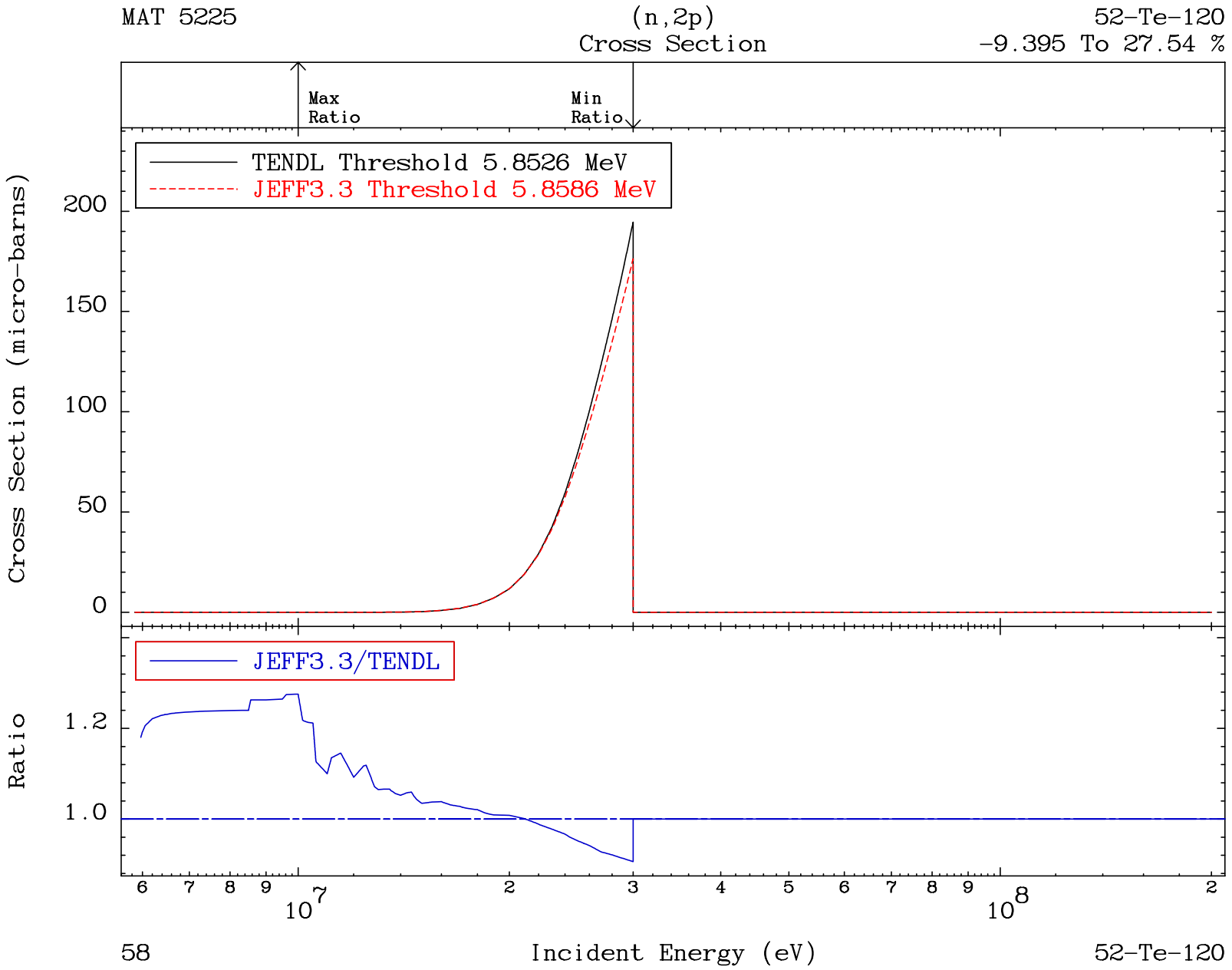

MAT 5225
(n,d)
Cross Section
52-Te-120
-34.29 To 0.033 %
Max Ratio
Min Ratio
TENDL Threshold 4.9927 MeV
JEFF3.3 Threshold 5.0001 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.0
0.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
52-Te-120

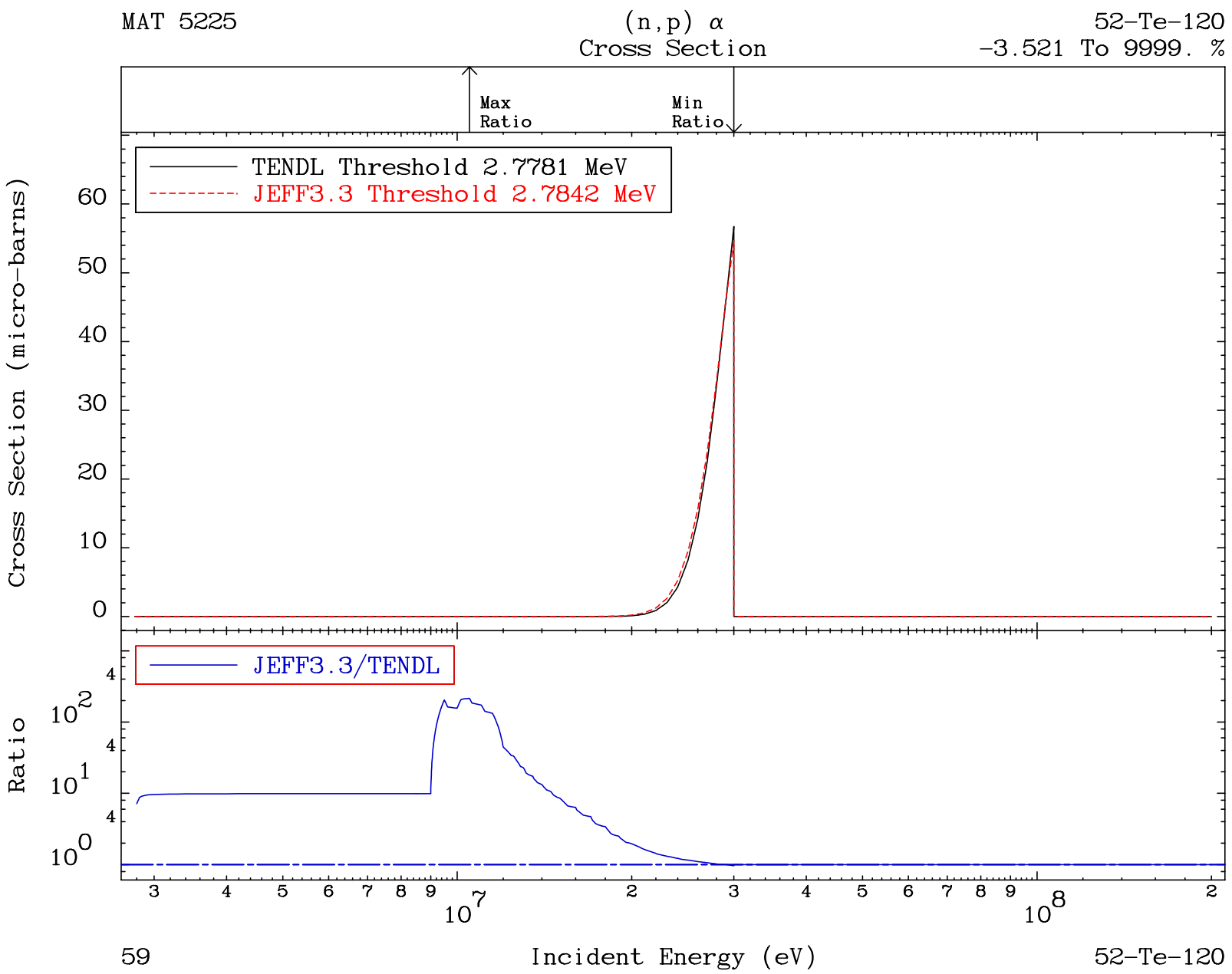

MAT 5225
(n,t)
Cross Section
52-Te-120
-17.67 To 5.837 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JEFF3.3 Threshold 8.3198 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.9
1.0
1.1
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
52-Te-120

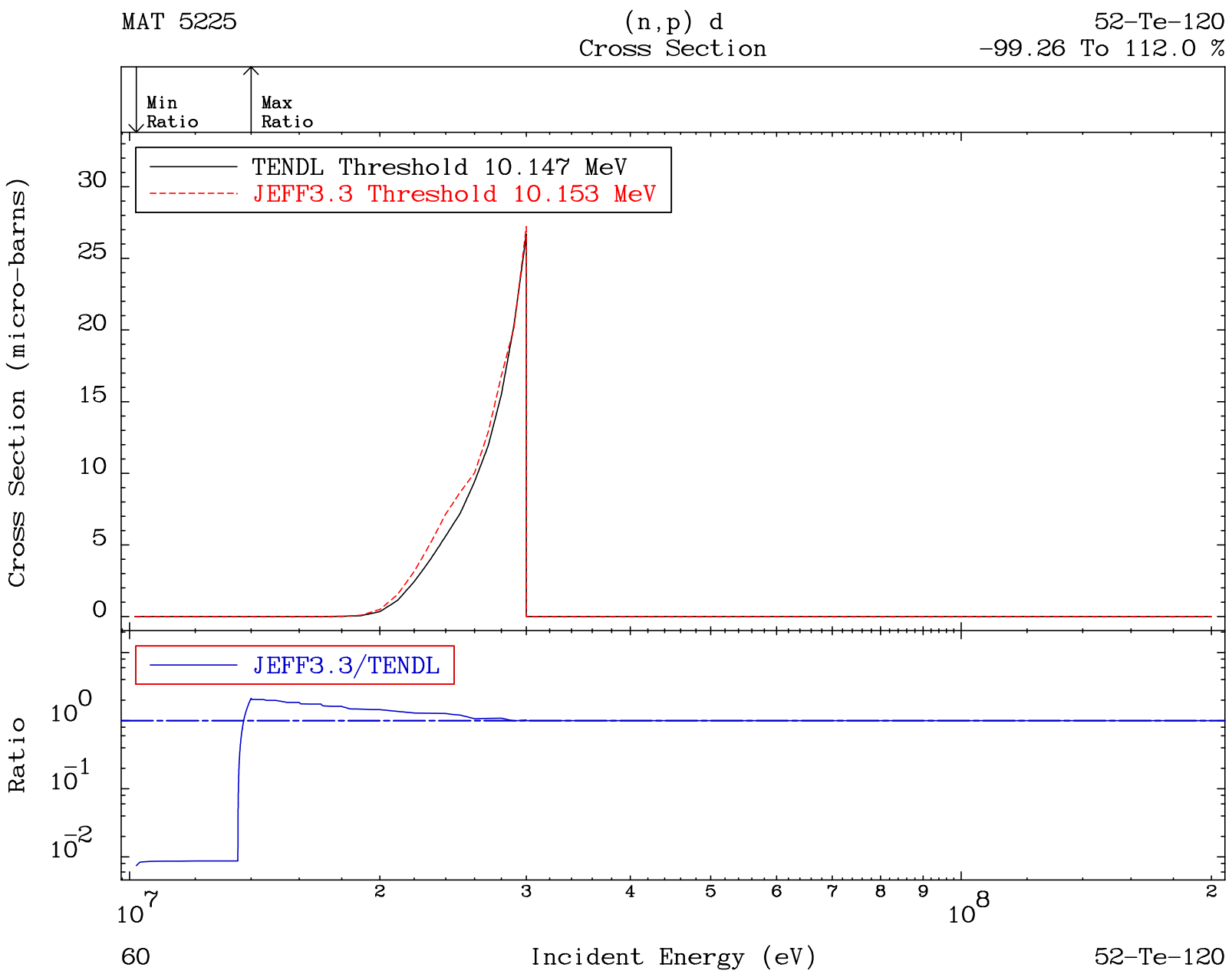

MAT 5225
(n,He-3)
Cross Section
52-Te-120
-3.472 To 7.130 %
Min Ratio
Max Ratio
TENDL Threshold 4.6076 MeV
JEFF3.3 Threshold 4.6137 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
52-Te-120

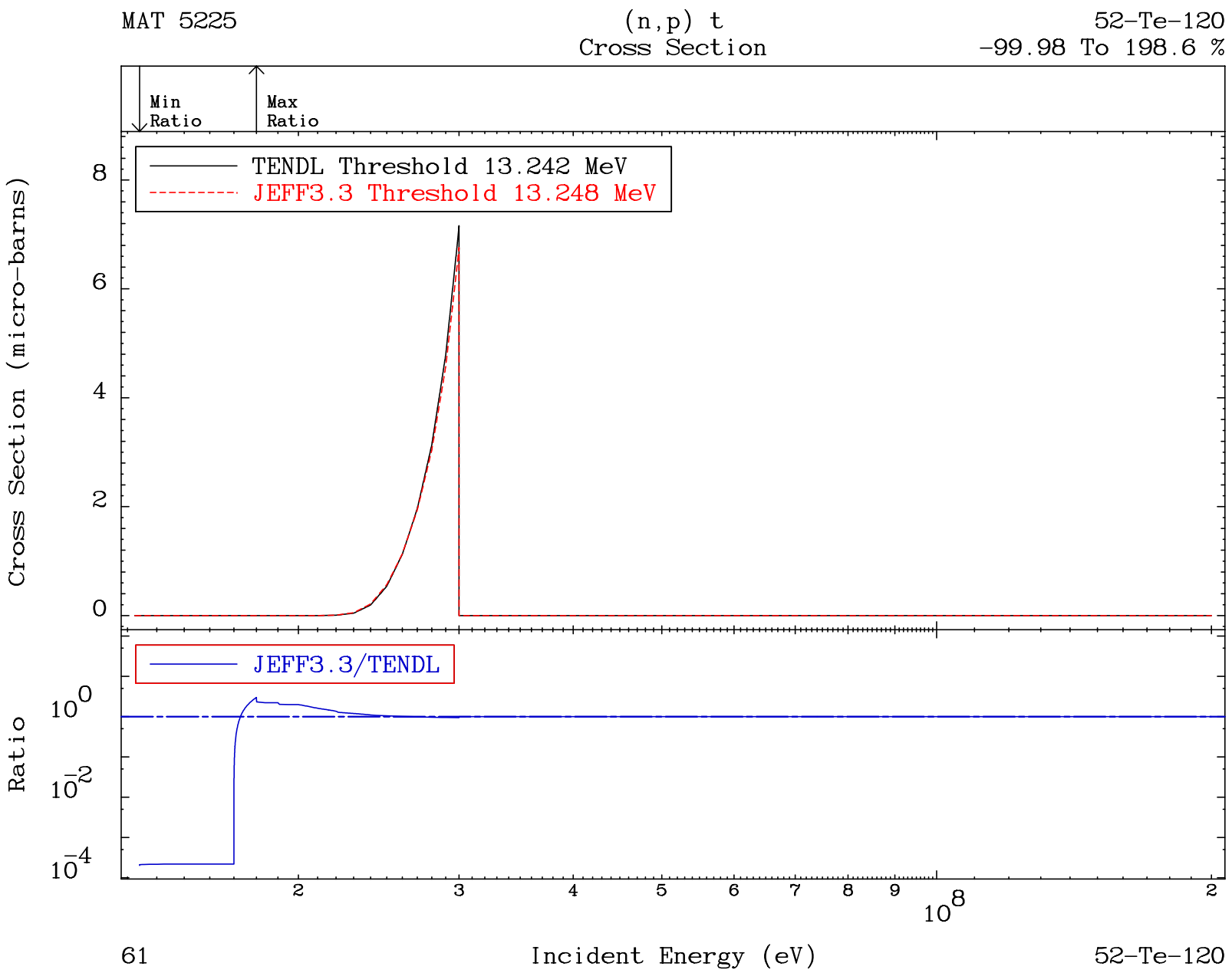

MAT 5225
(n,α)
Cross Section
52-Te-120
-5.855 To 5756. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
52-Te-120

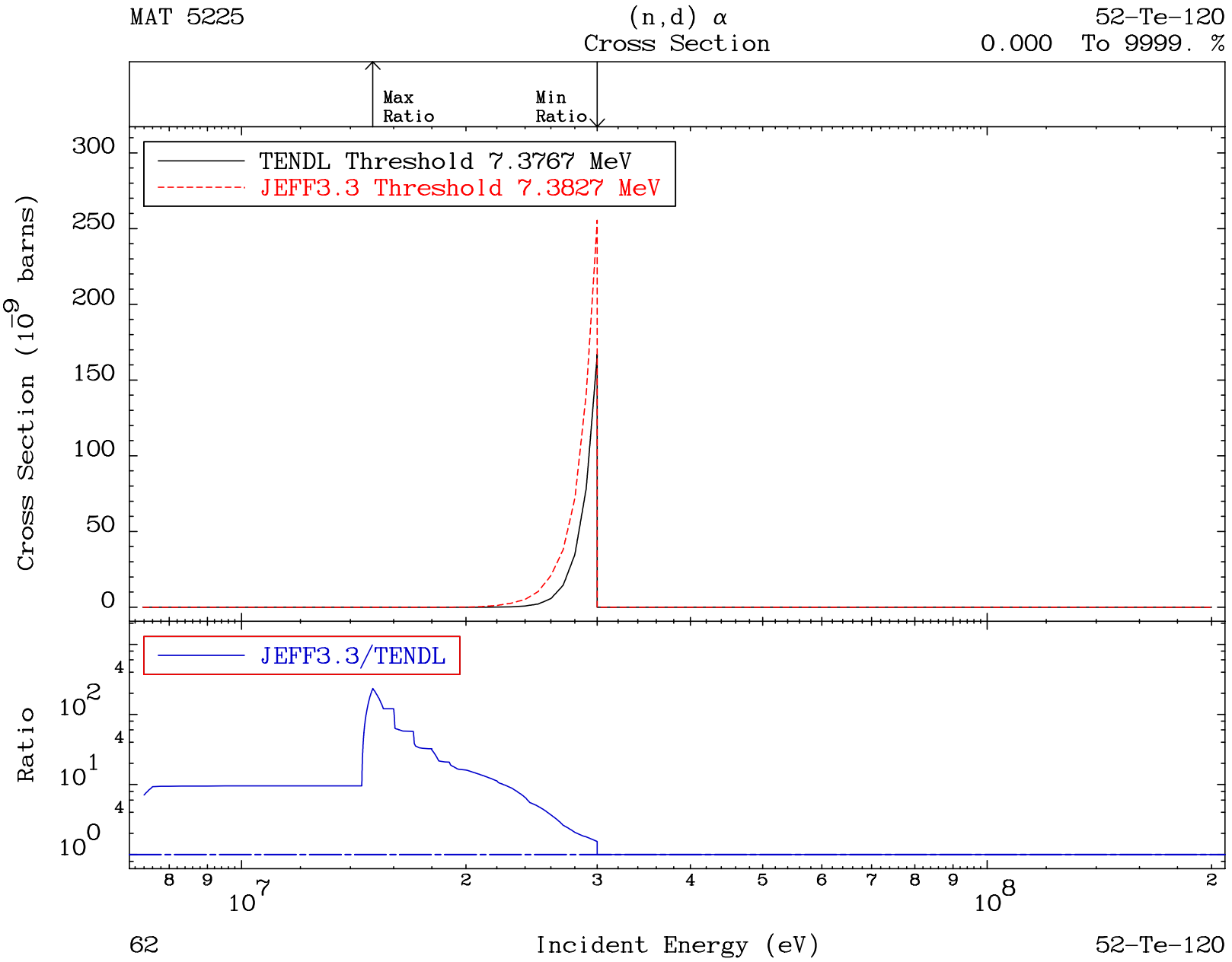

MAT 5225
(n,2α)
Cross Section
52-Te-120
0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9496 keV
JEFF3.3 Threshold 3.1694 keV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^0
10^1
10^2
10^3
3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
57
Incident Energy (eV)
52-Te-120

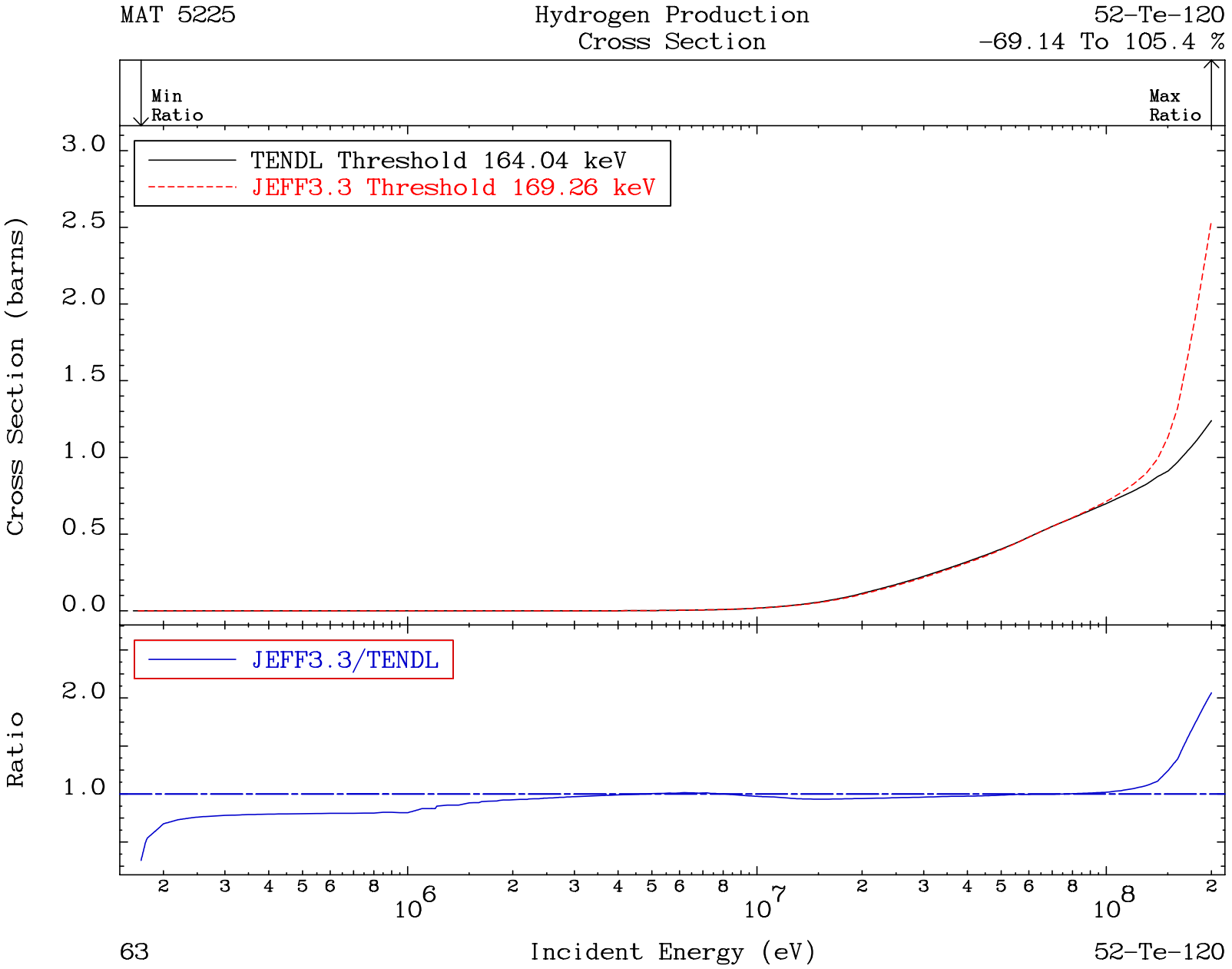

MAT 5225
(n,2p)
Cross Section
52-Te-120
-9.395 To 27.54 %
Max Ratio
Min Ratio
TENDL Threshold 5.8526 MeV
JEFF3.3 Threshold 5.8586 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
58
Incident Energy (eV)
52-Te-120

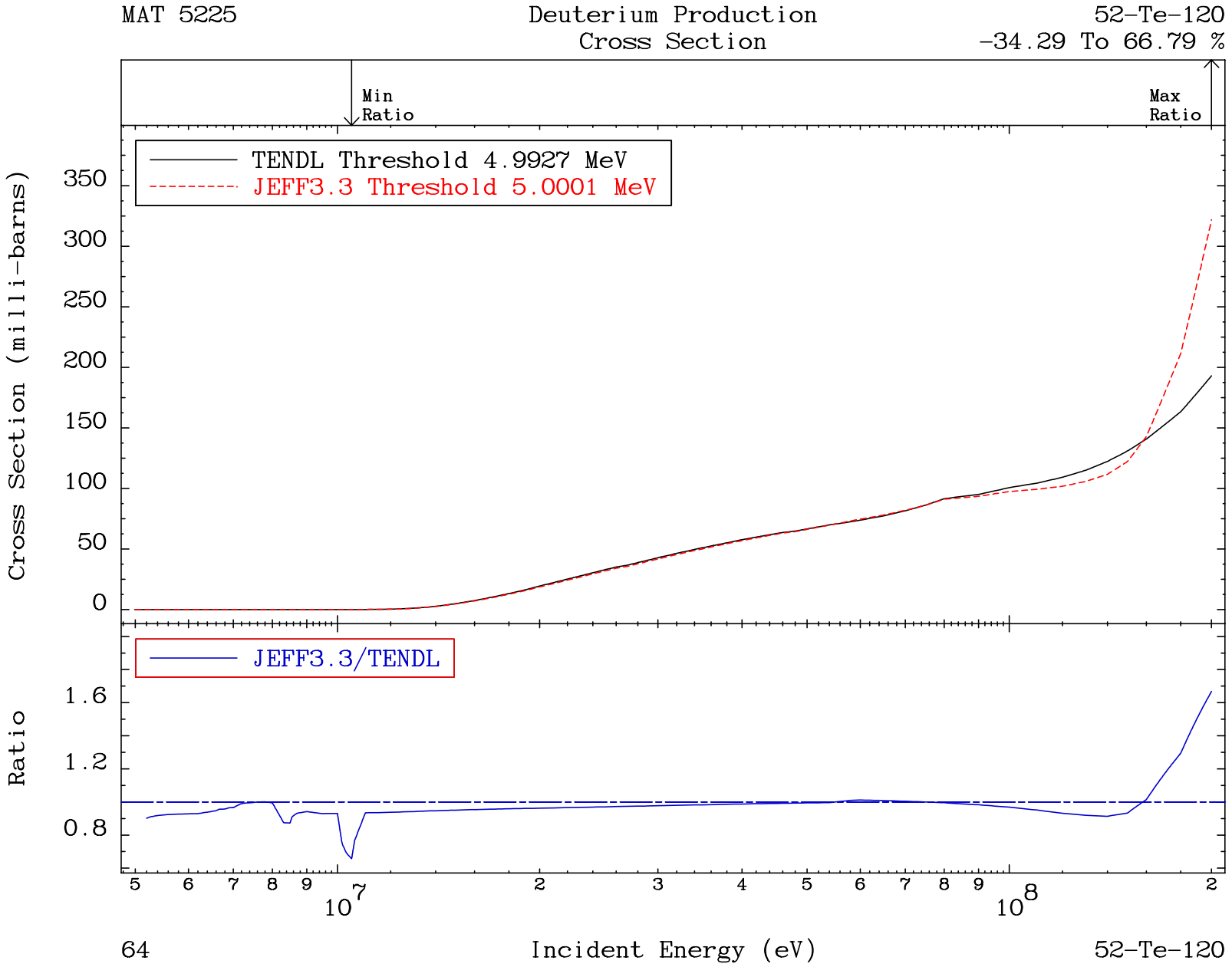

MAT 5225
(n,p) α
Cross Section
52-Te-120
-3.521 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7781 MeV
JEFF3.3 Threshold 2.7842 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
52-Te-120

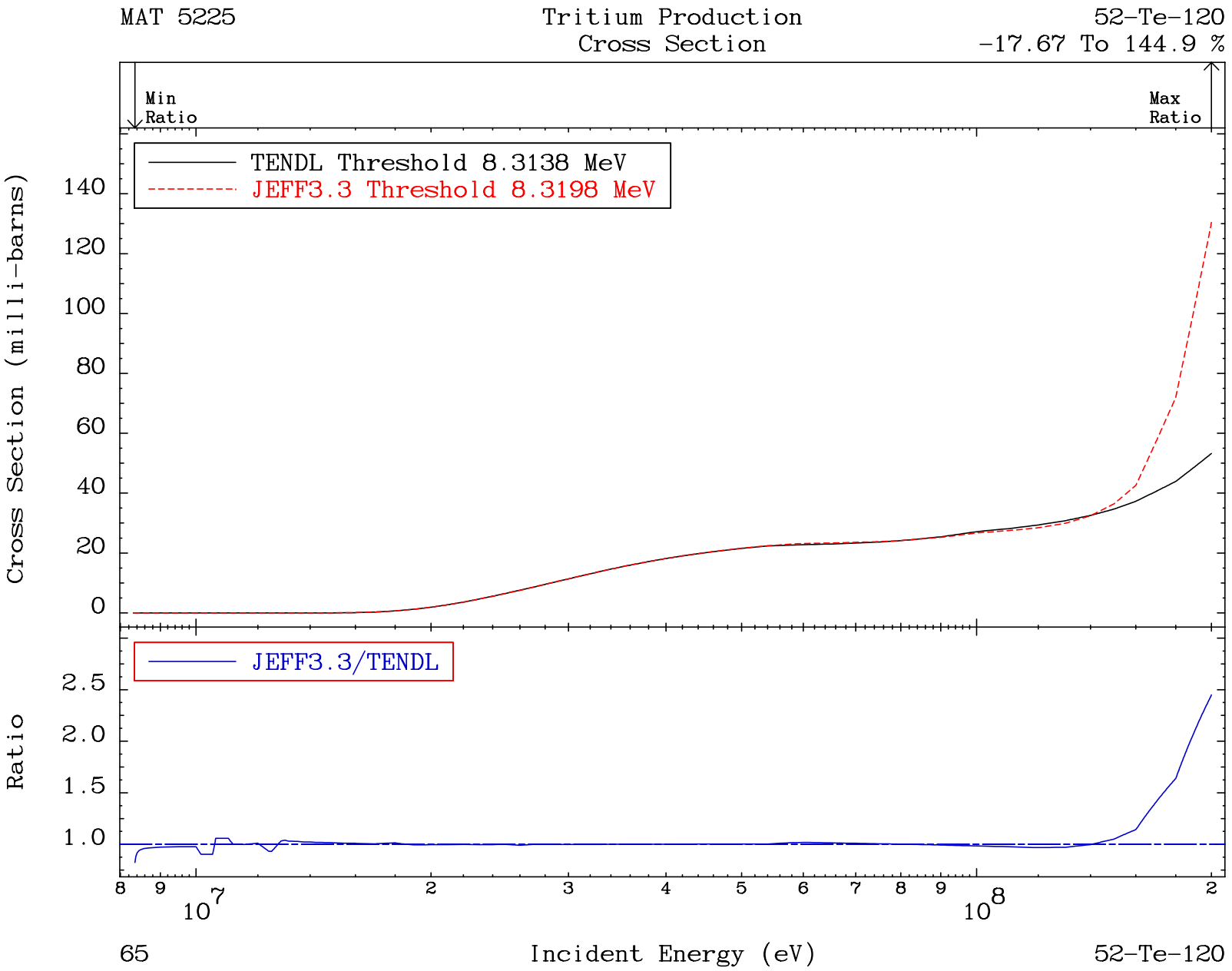

MAT 5225
(n,p) d
Cross Section
52-Te-120
-99.26 To 112.0 %
Min Ratio
Max Ratio
TENDL Threshold 10.147 MeV
JEFF3.3 Threshold 10.153 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^0
10^-1
10^-2
10^7
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
52-Te-120

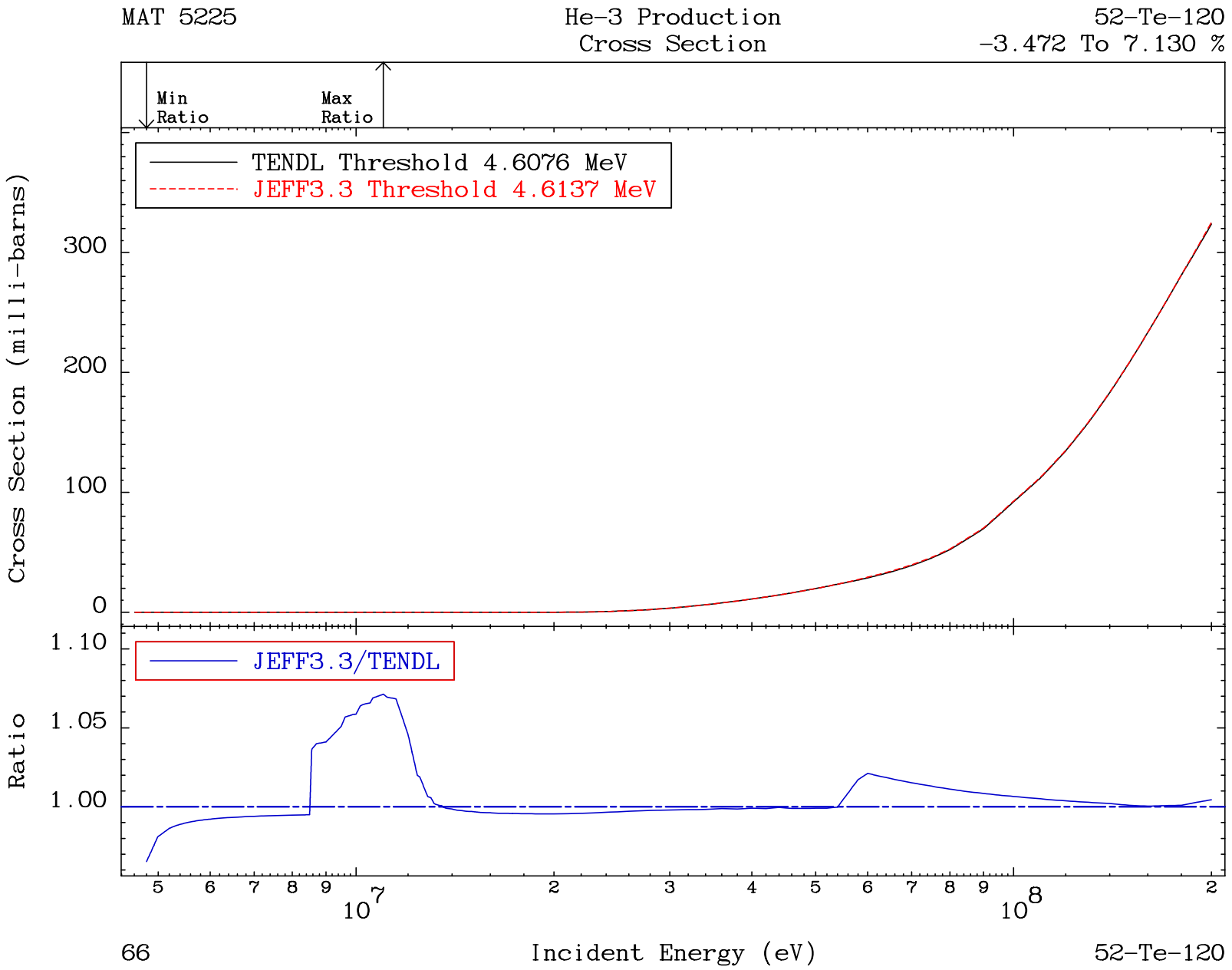

MAT 5225
(n,p) t
Cross Section
52-Te-120
-99.98 To 198.6 %
Min Ratio
Max Ratio
TENDL Threshold 13.242 MeV
JEFF3.3 Threshold 13.248 MeV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
52-Te-120

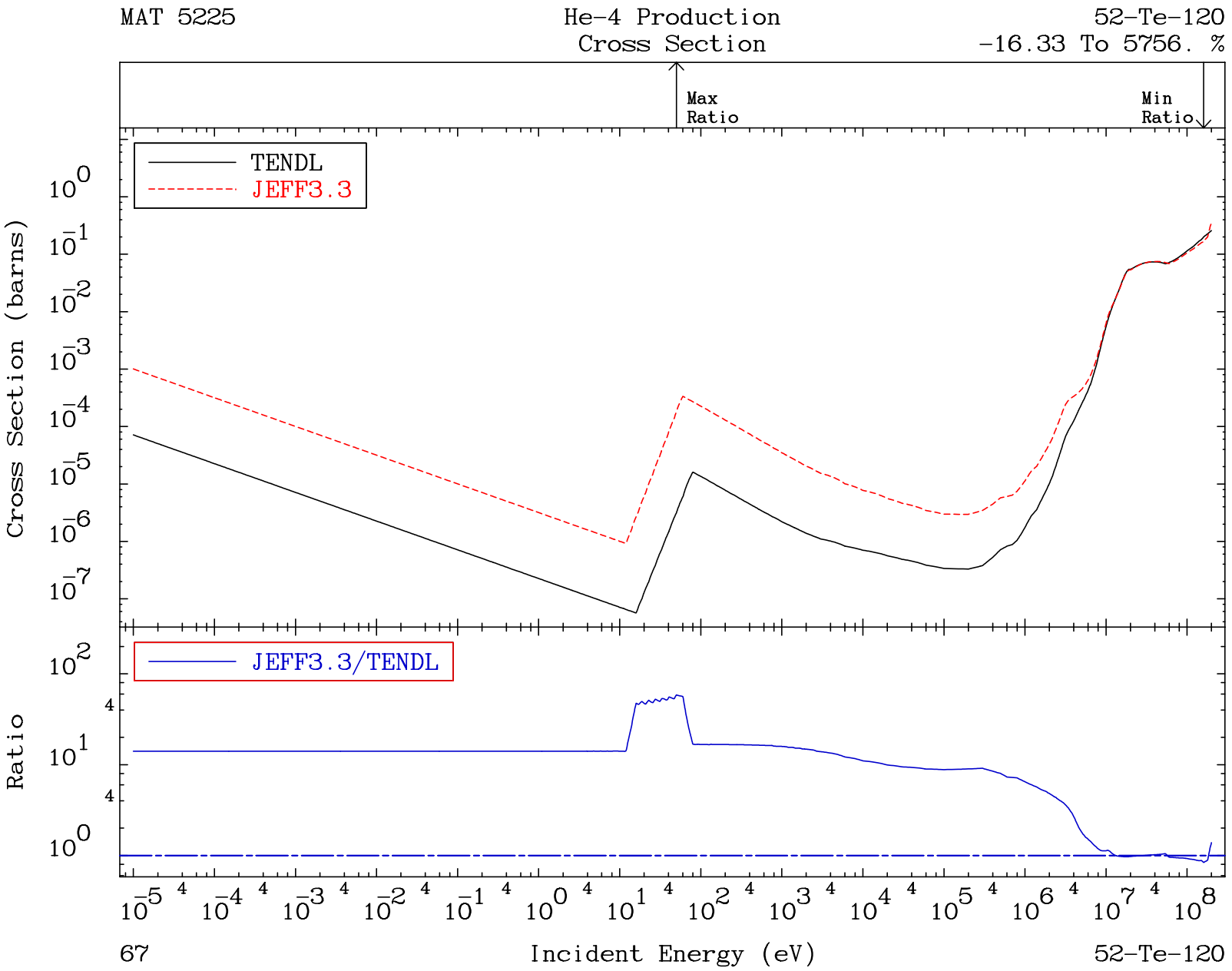

MAT 5225
(n,d) α
Cross Section
52-Te-120
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3767 MeV
JEFF3.3 Threshold 7.3827 MeV
Cross Section (10^{-9} barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
62
Incident Energy (eV)
52-Te-120

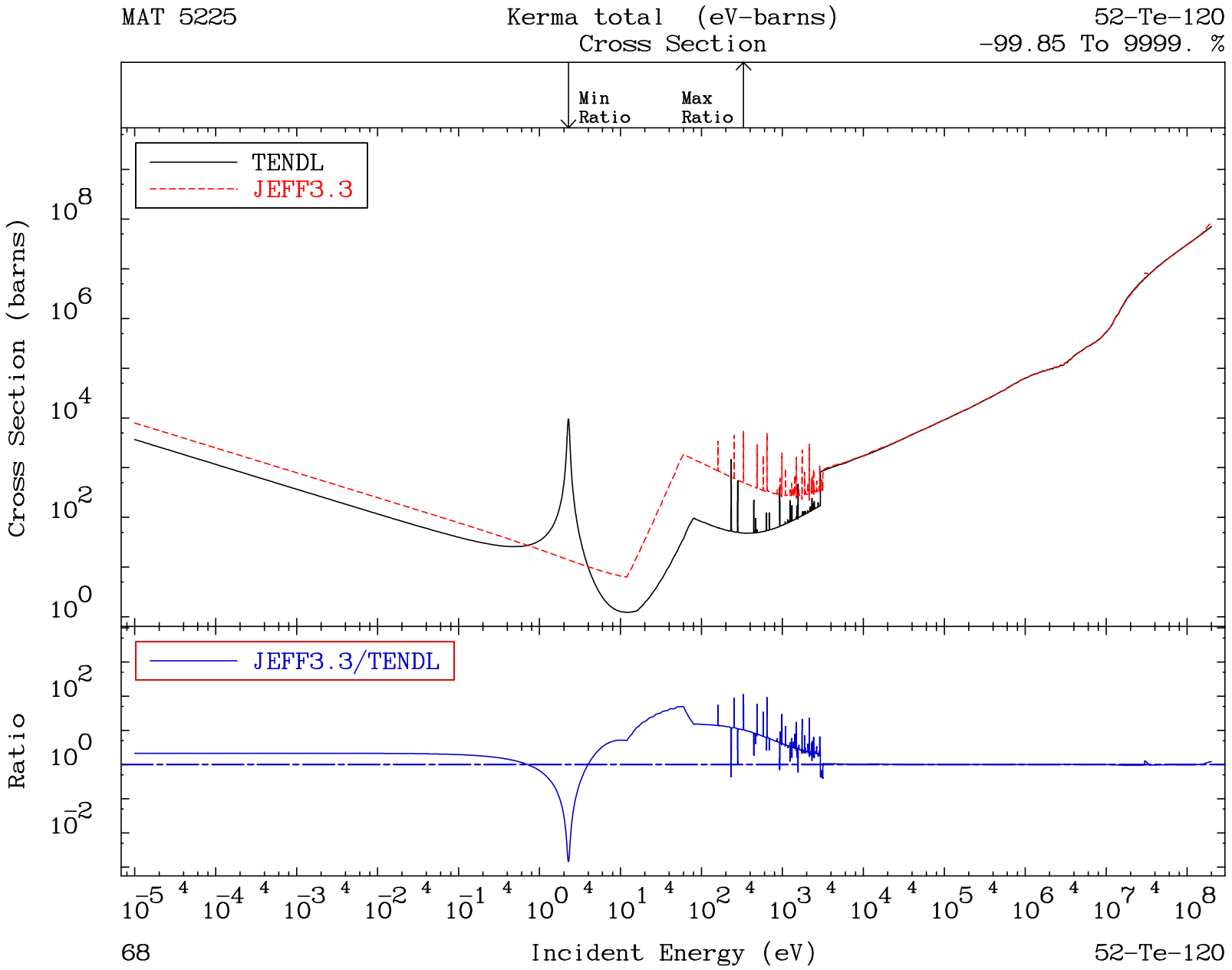

MAT 5225
Hydrogen Production
Cross Section
52-Te-120
-69.14 To 105.4 %
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JEFF3.3 Threshold 169.26 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
2.0
1.0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
63
Incident Energy (eV)
52-Te-120

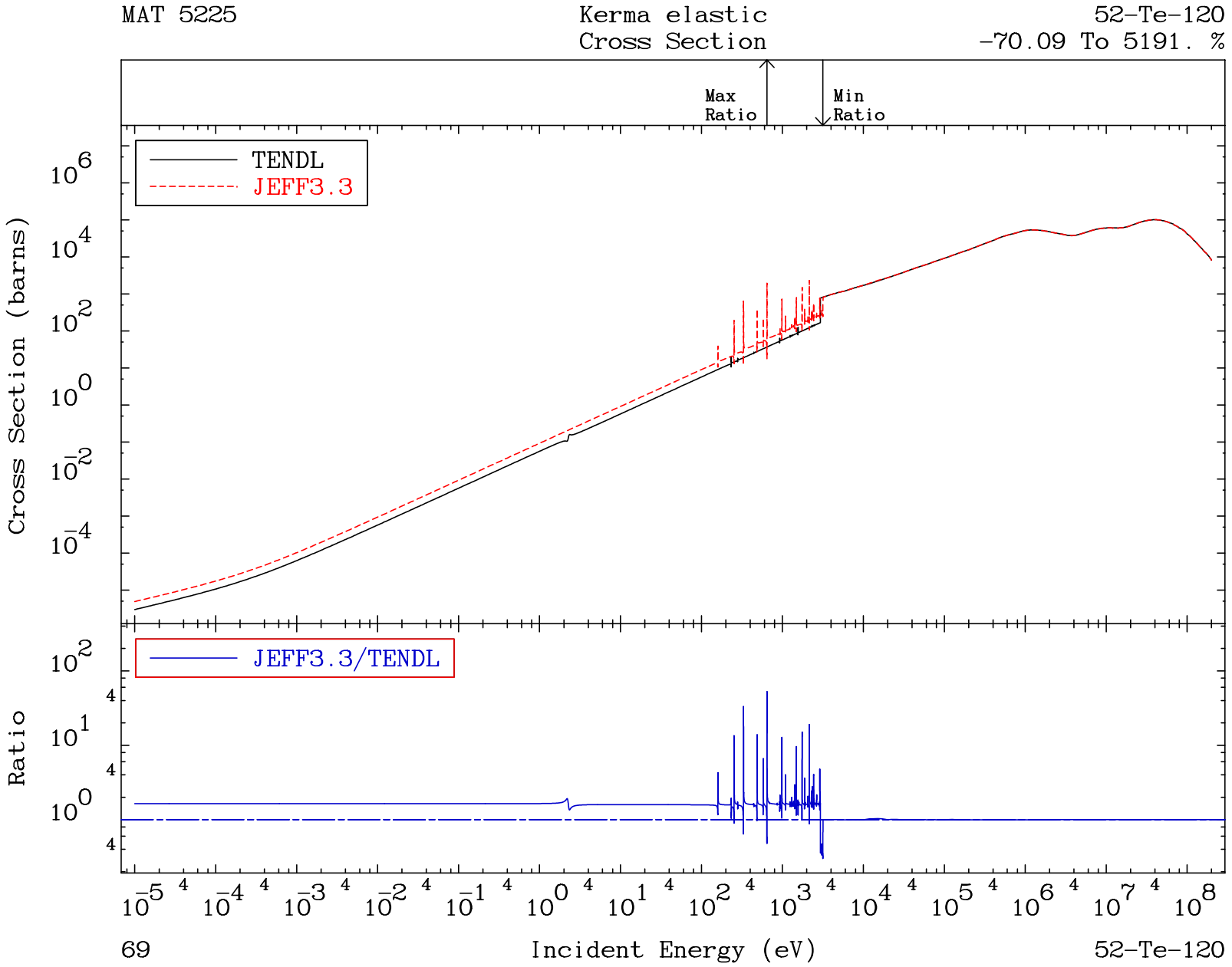

MAT 5225
Deuterium Production
Cross Section
52-Te-120
-34.29 To 66.79 %
Min
Ratio
Max
Ratio
TENDL Threshold 4.9927 MeV
JEFF3.3 Threshold 5.0001 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
52-Te-120

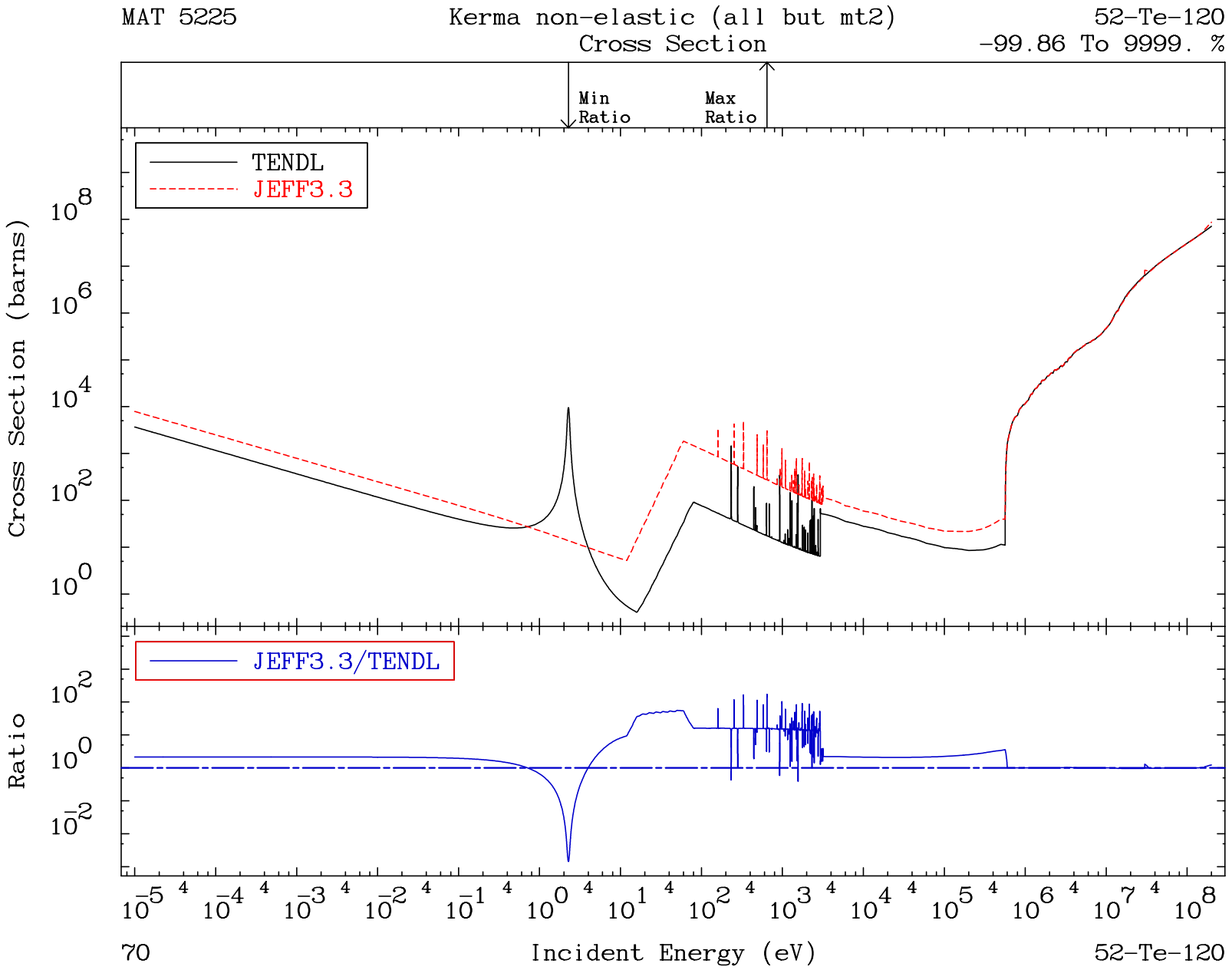

MAT 5225
Tritium Production
Cross Section
52-Te-120
-17.67 To 144.9 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JEFF3.3 Threshold 8.3198 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
2.5
2.0
1.5
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
65
Incident Energy (eV)
52-Te-120

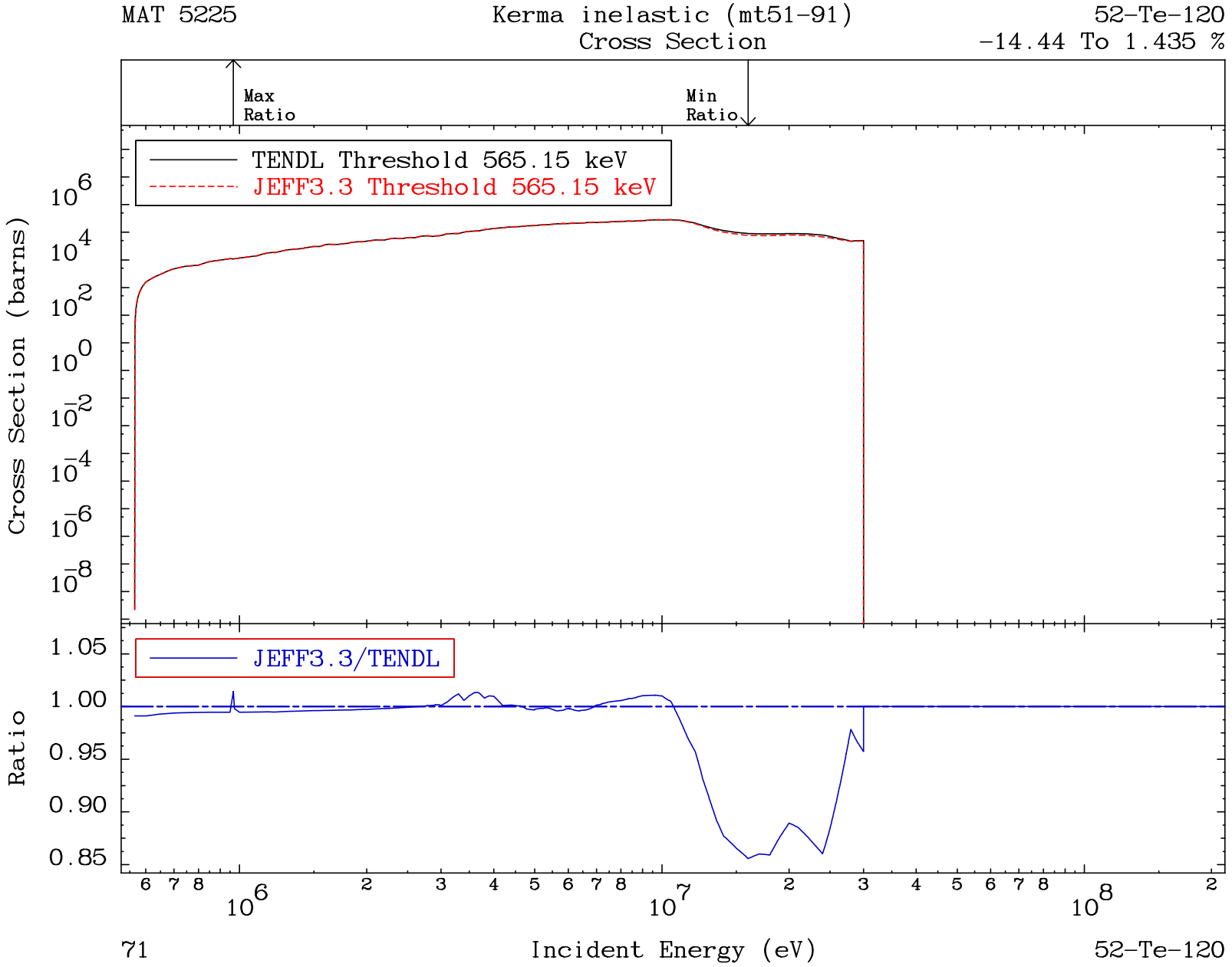

MAT 5225
He-3 Production
Cross Section
52-Te-120
-3.472 To 7.130 %
Min Ratio
Max Ratio
TENDL Threshold 4.6076 MeV
JEFF3.3 Threshold 4.6137 MeV
Cross Section (milli-barns)
300
200
100
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
66
Incident Energy (eV)
52-Te-120

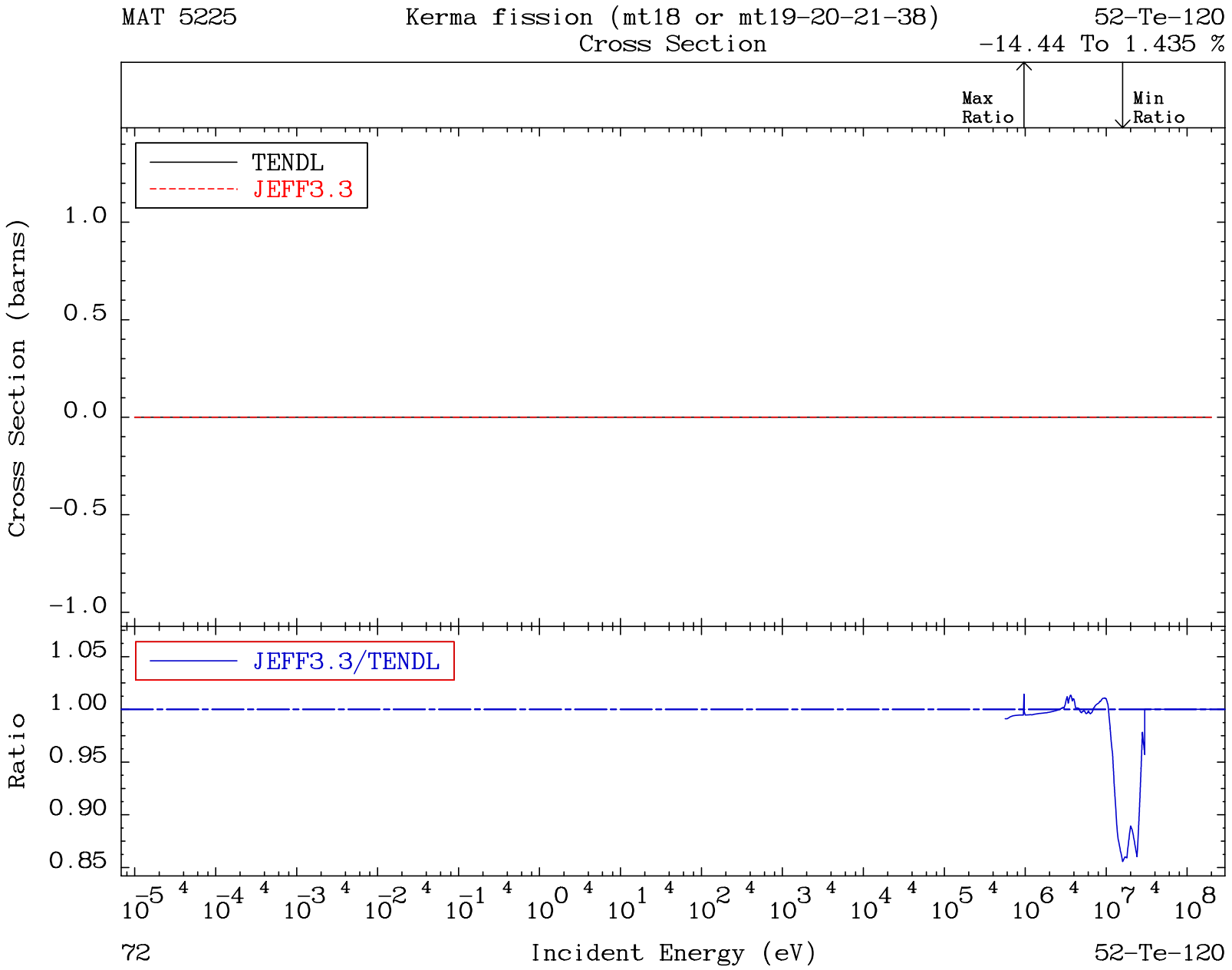

MAT 5225
He-4 Production
Cross Section
52-Te-120
-16.33 To 5756. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
52-Te-120

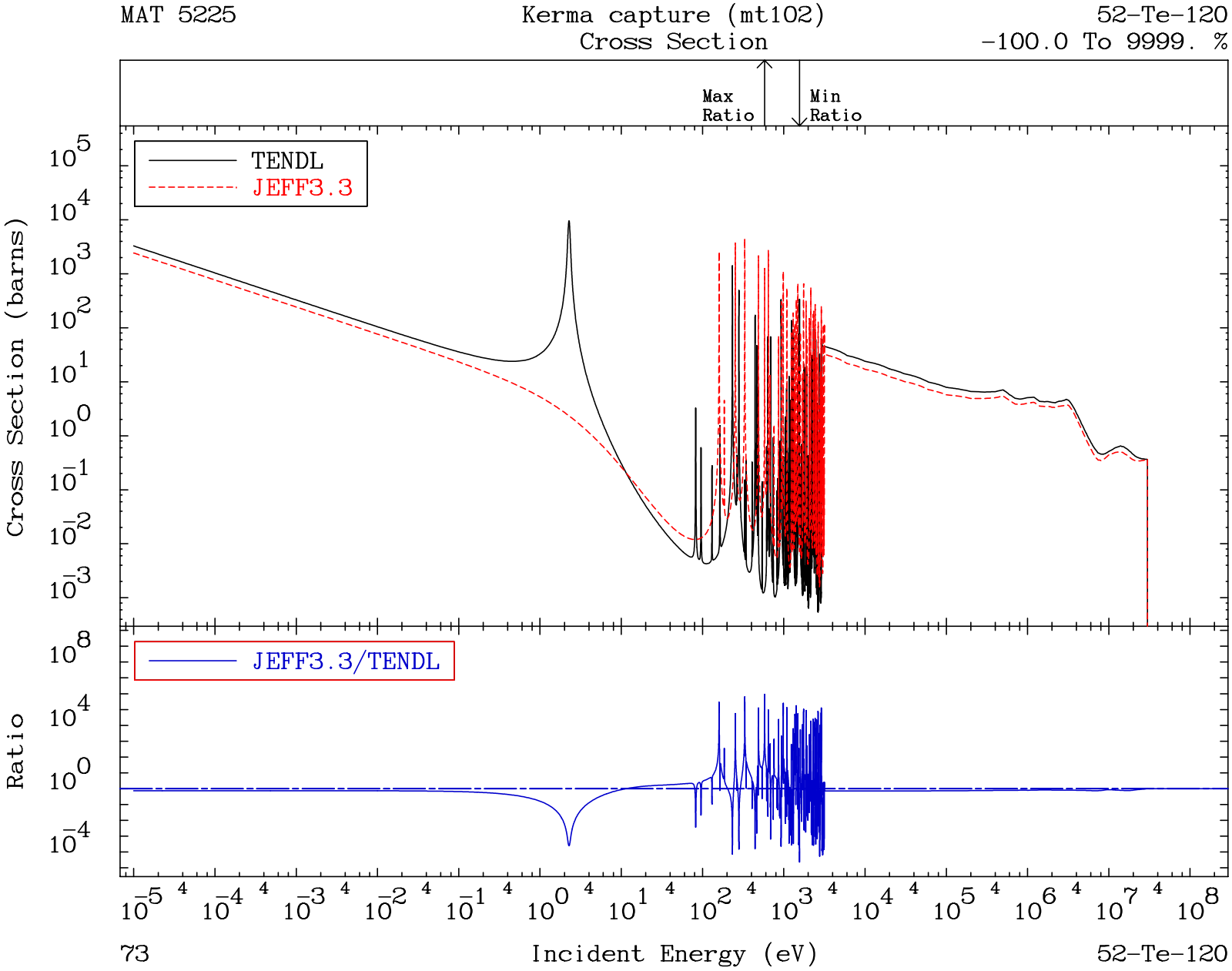

MAT 5225
Kerma total (eV-barns)
Cross Section
52-Te-120
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
52-Te-120

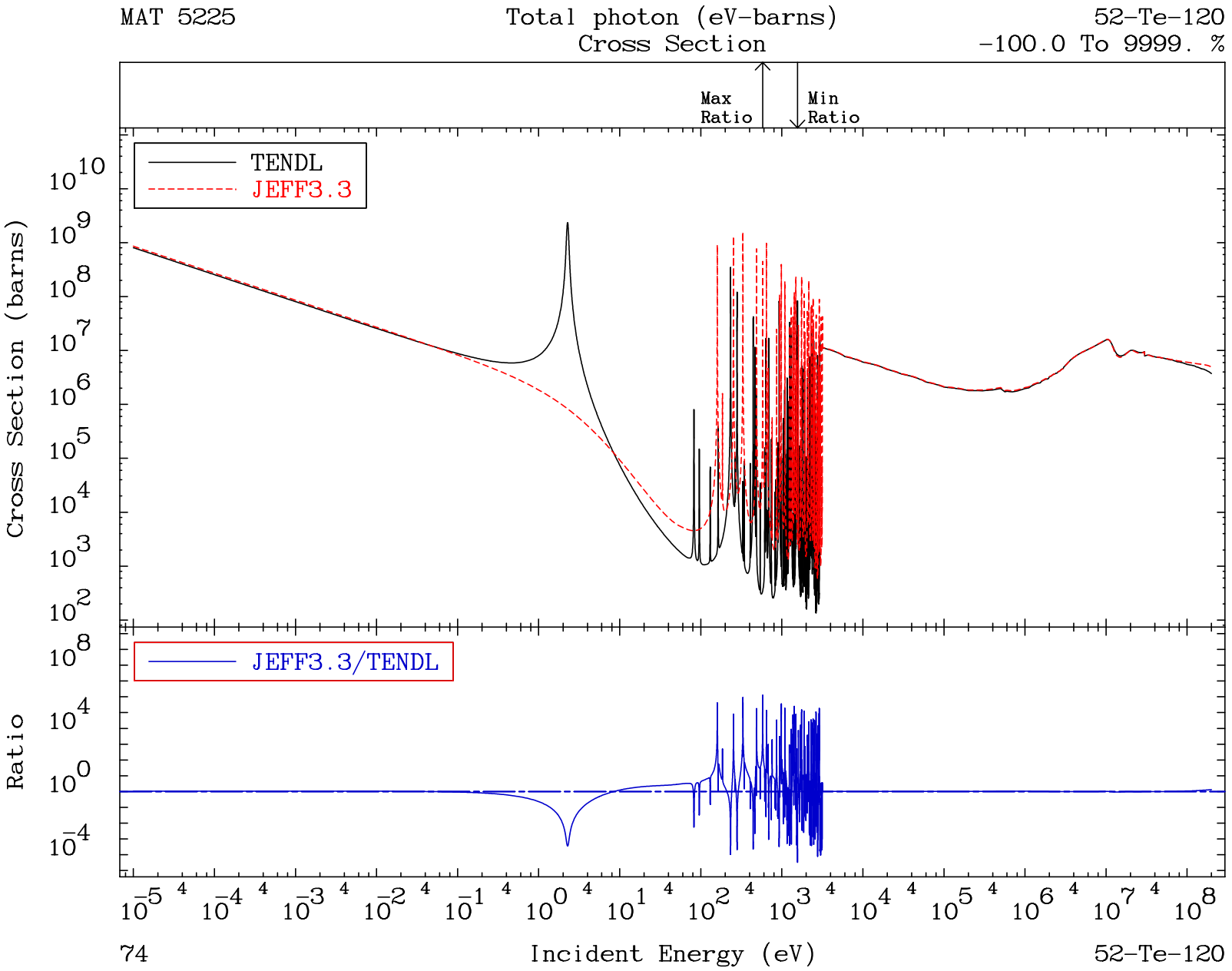

MAT 5225
Kerma elastic
Cross Section
52-Te-120
-70.09 To 5191. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
52-Te-120

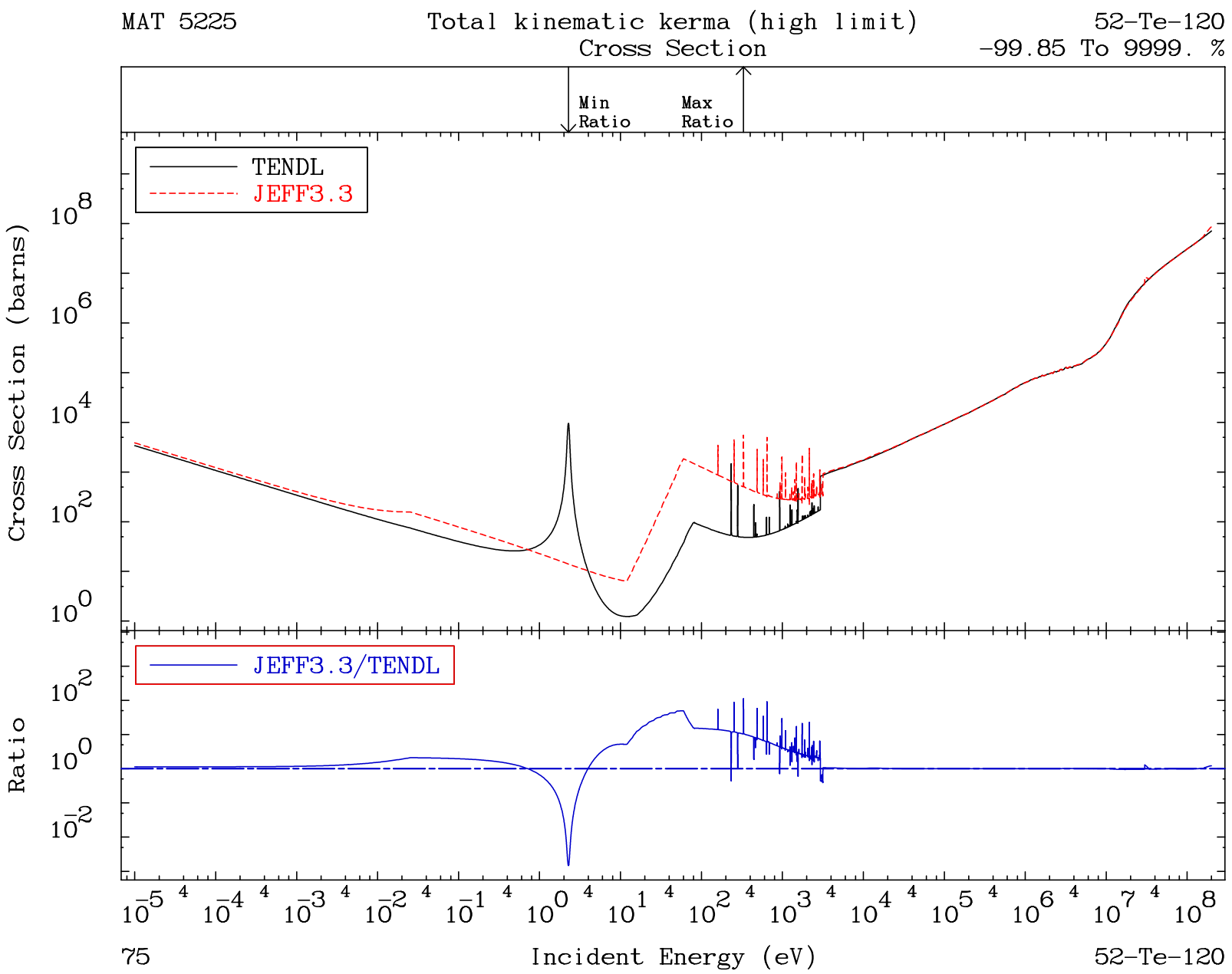

MAT 5225
Kerma non-elastic (all but mt2)
Cross Section
52-Te-120
-99.86 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
52-Te-120

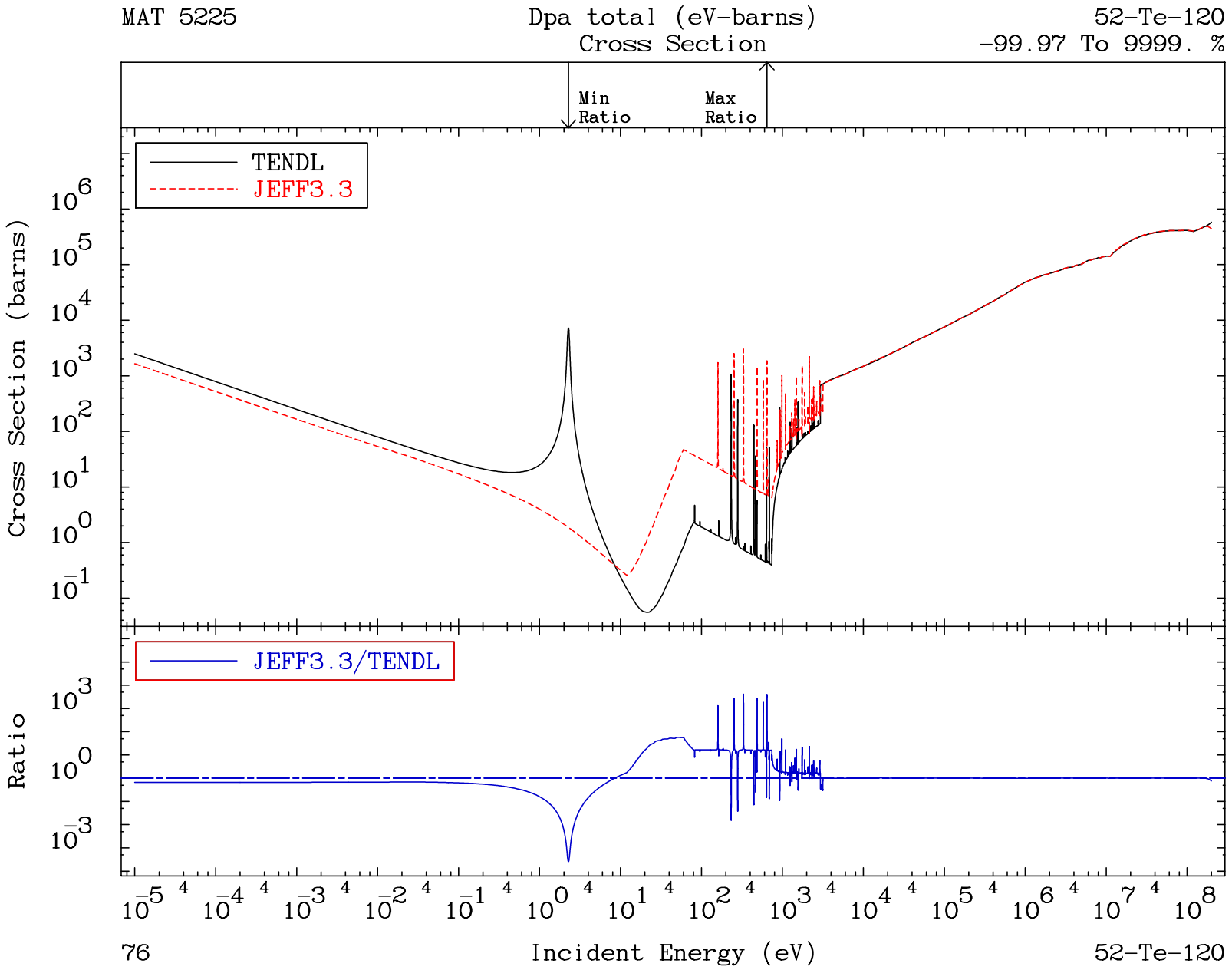

MAT 5225
Kerma inelastic (mt51-91)
Cross Section
52-Te-120
-14.44 To 1.435 %
Max Ratio
Min Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
52-Te-120

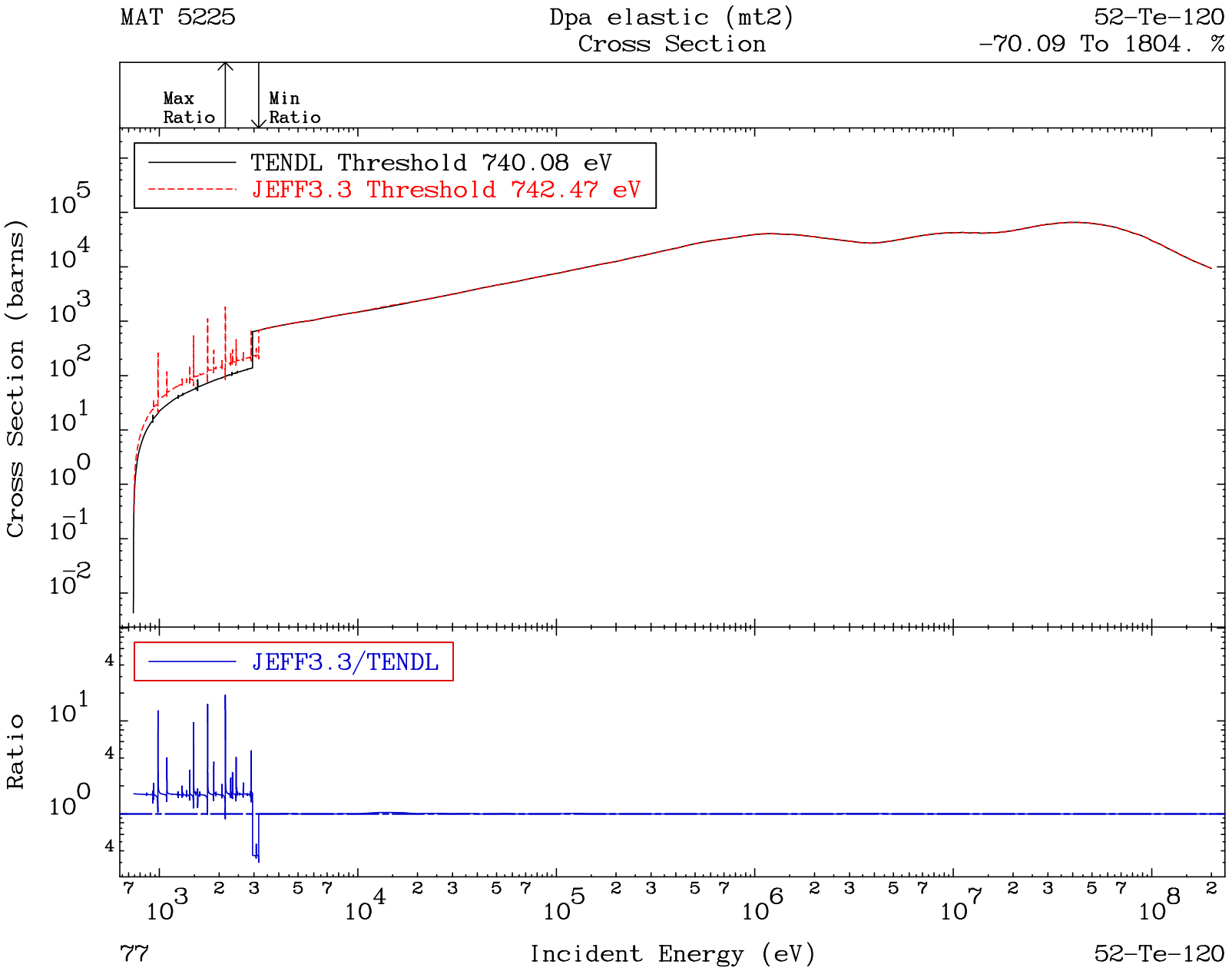

MAT 5225
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
52-Te-120
-14.44 To 1.435 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
0.85
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
72
Incident Energy (eV)
52-Te-120

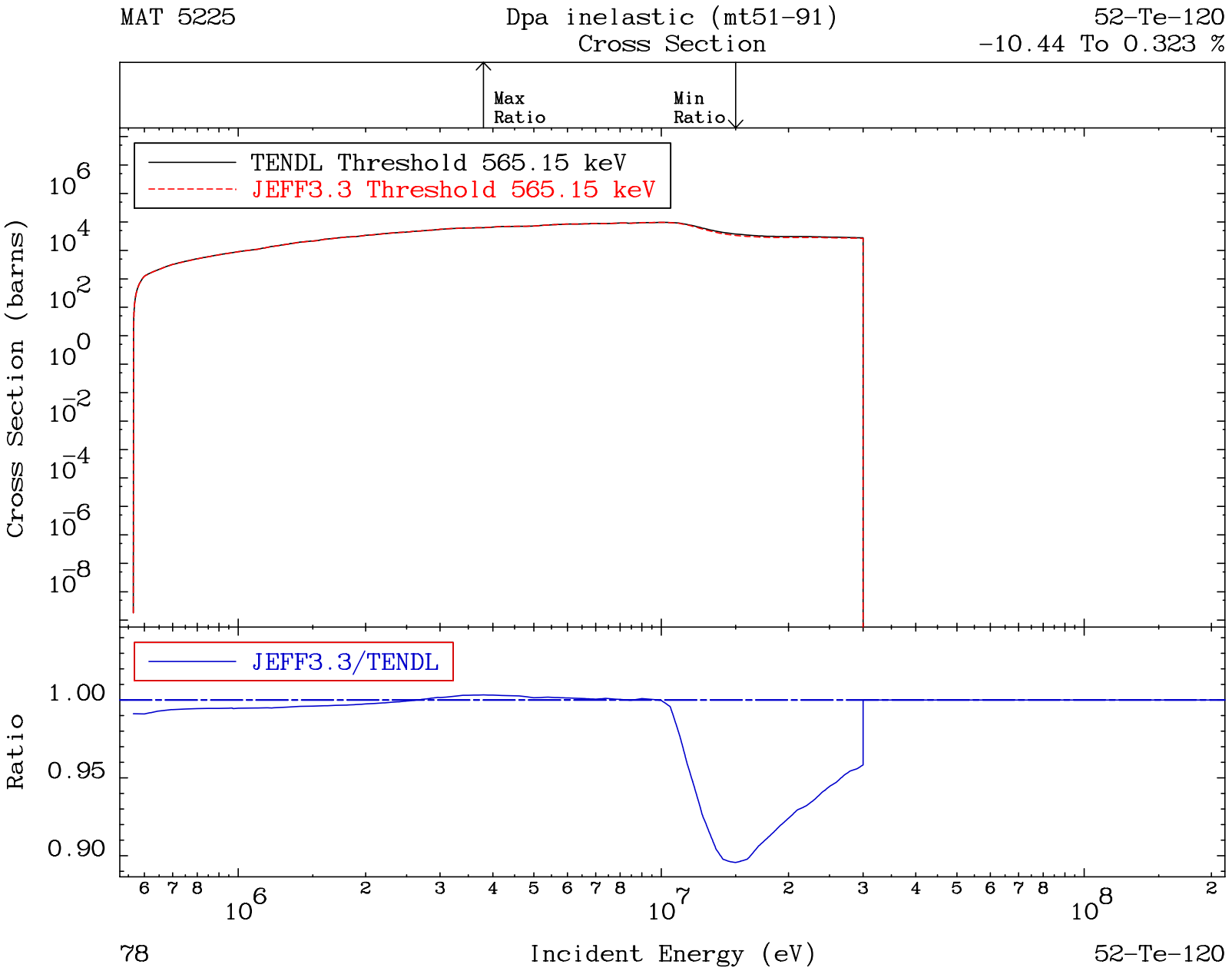

MAT 5225
Kerma capture (mt102)
Cross Section
52-Te-120
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
52-Te-120

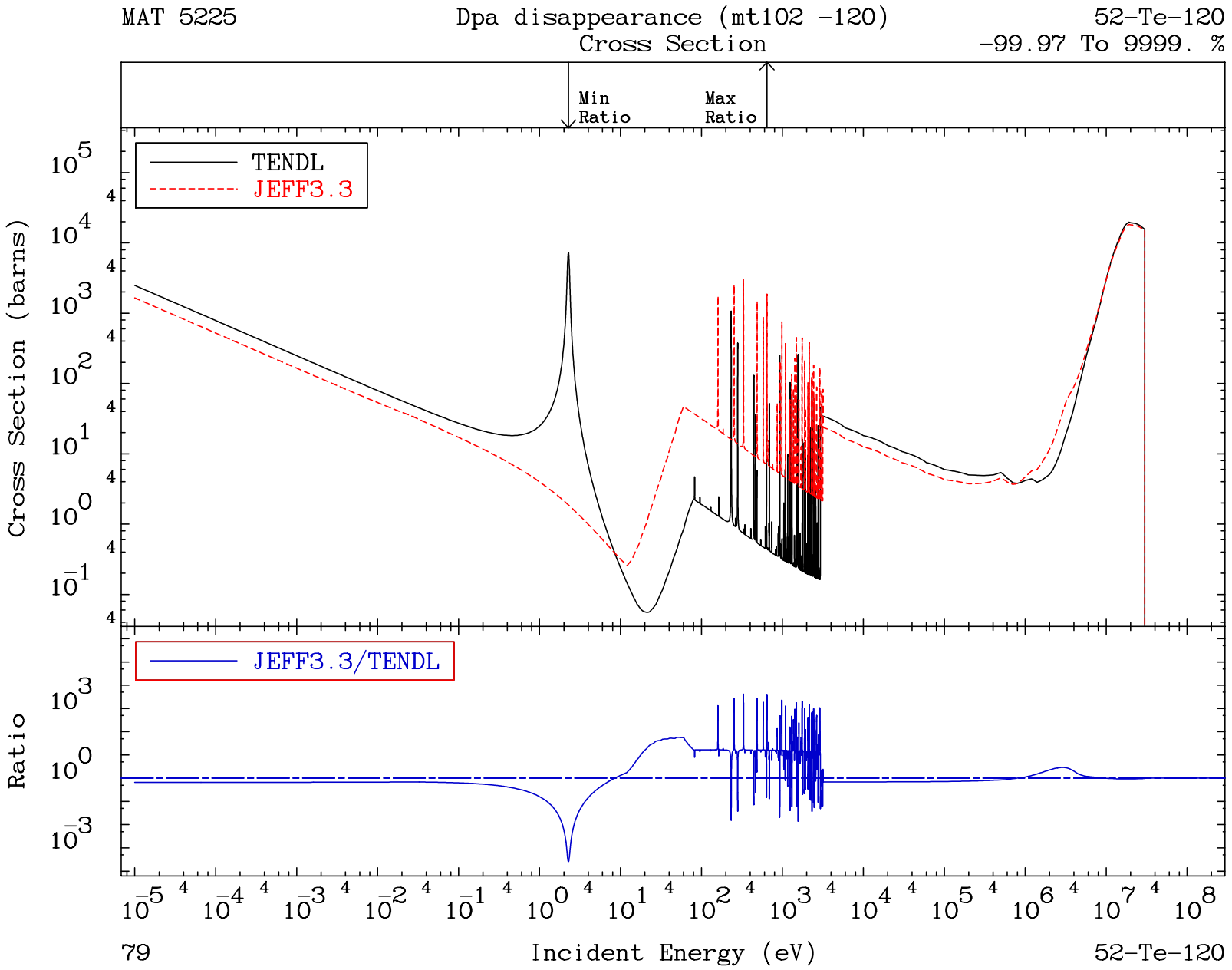

MAT 5225
Total photon (eV-barns)
Cross Section
52-Te-120
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
52-Te-120

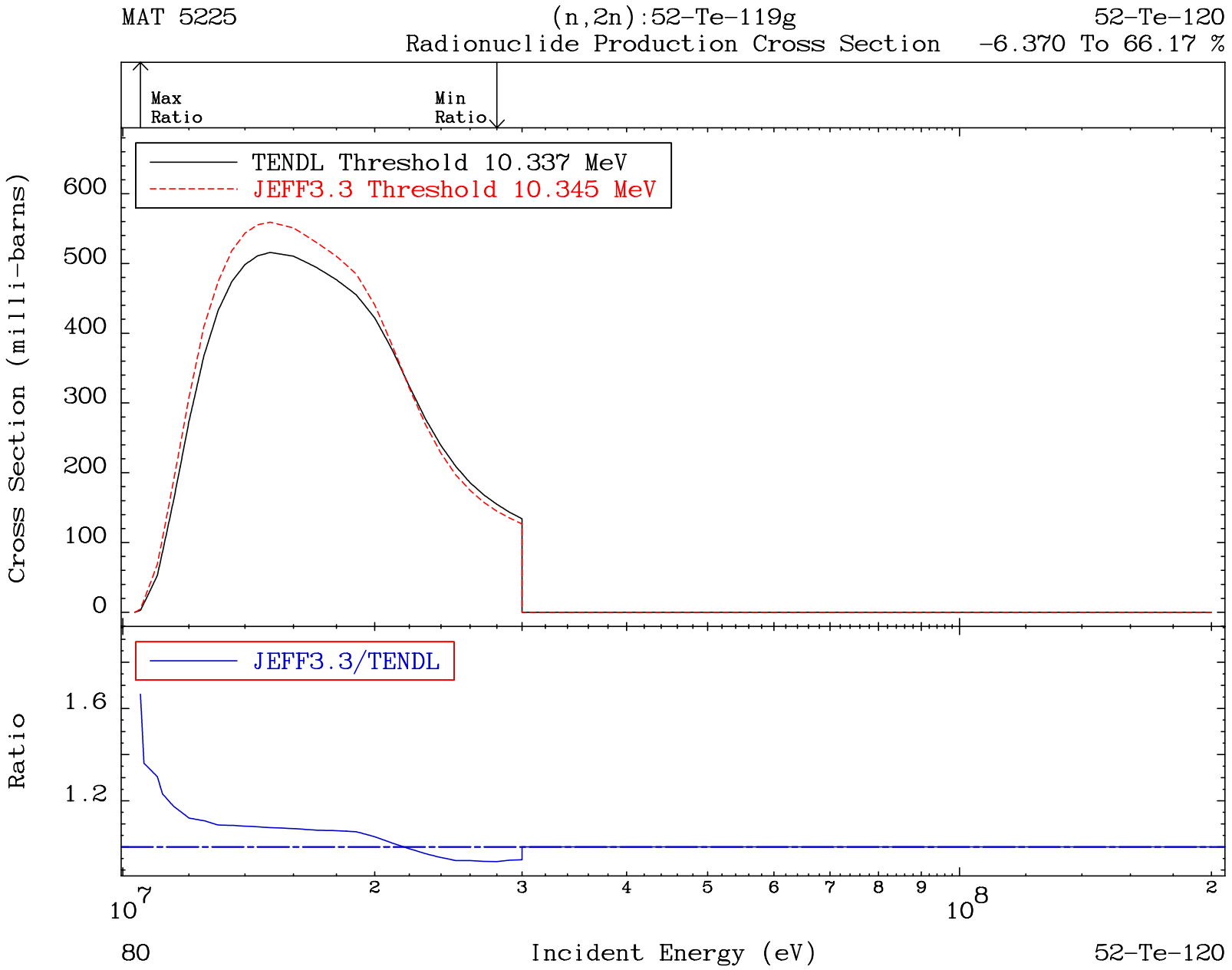

MAT 5225
Total kinematic kerma (high limit)
Cross Section
52-Te-120
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
52-Te-120

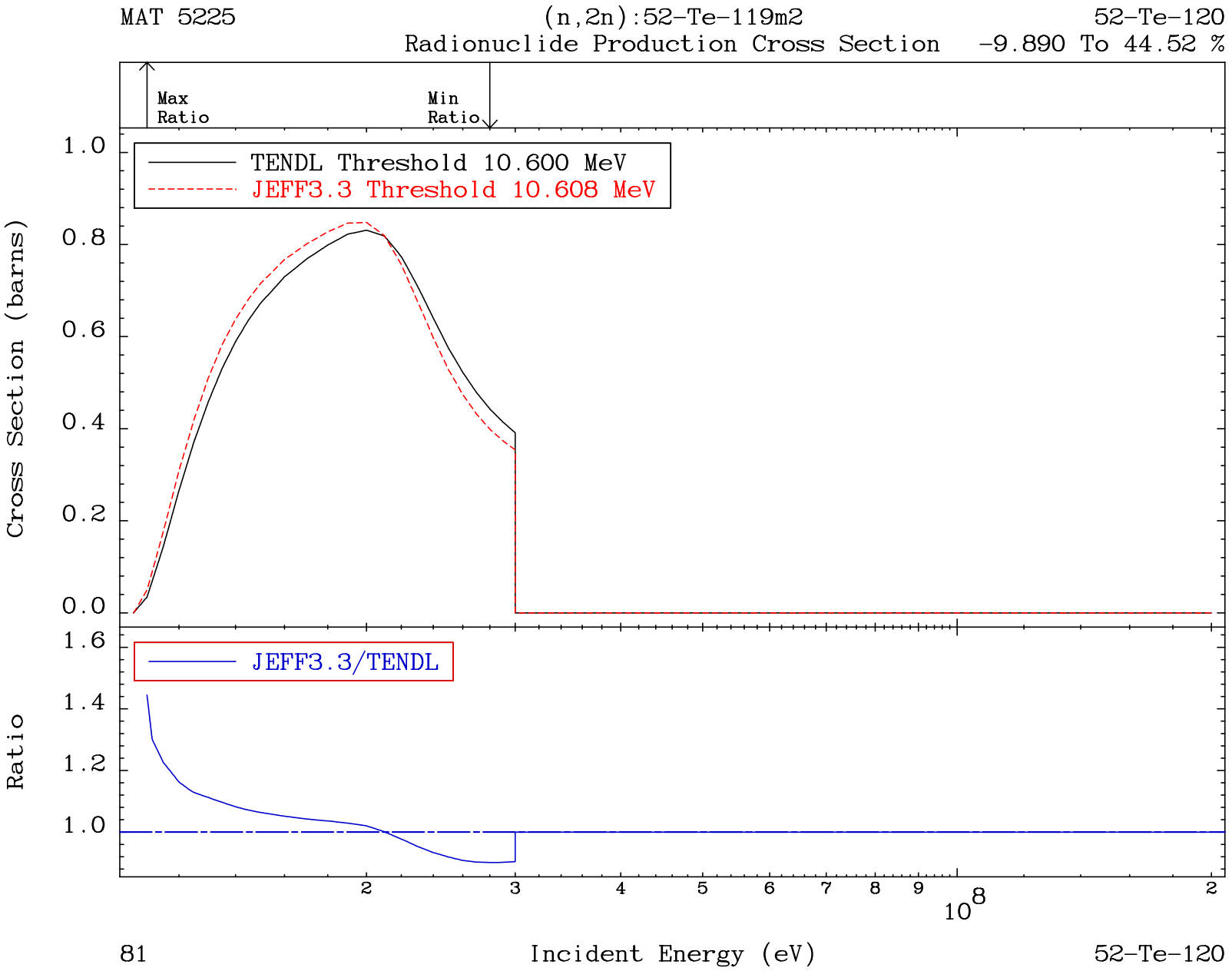

MAT 5225
Dpa total (eV-barns)
Cross Section
52-Te-120
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
52-Te-120

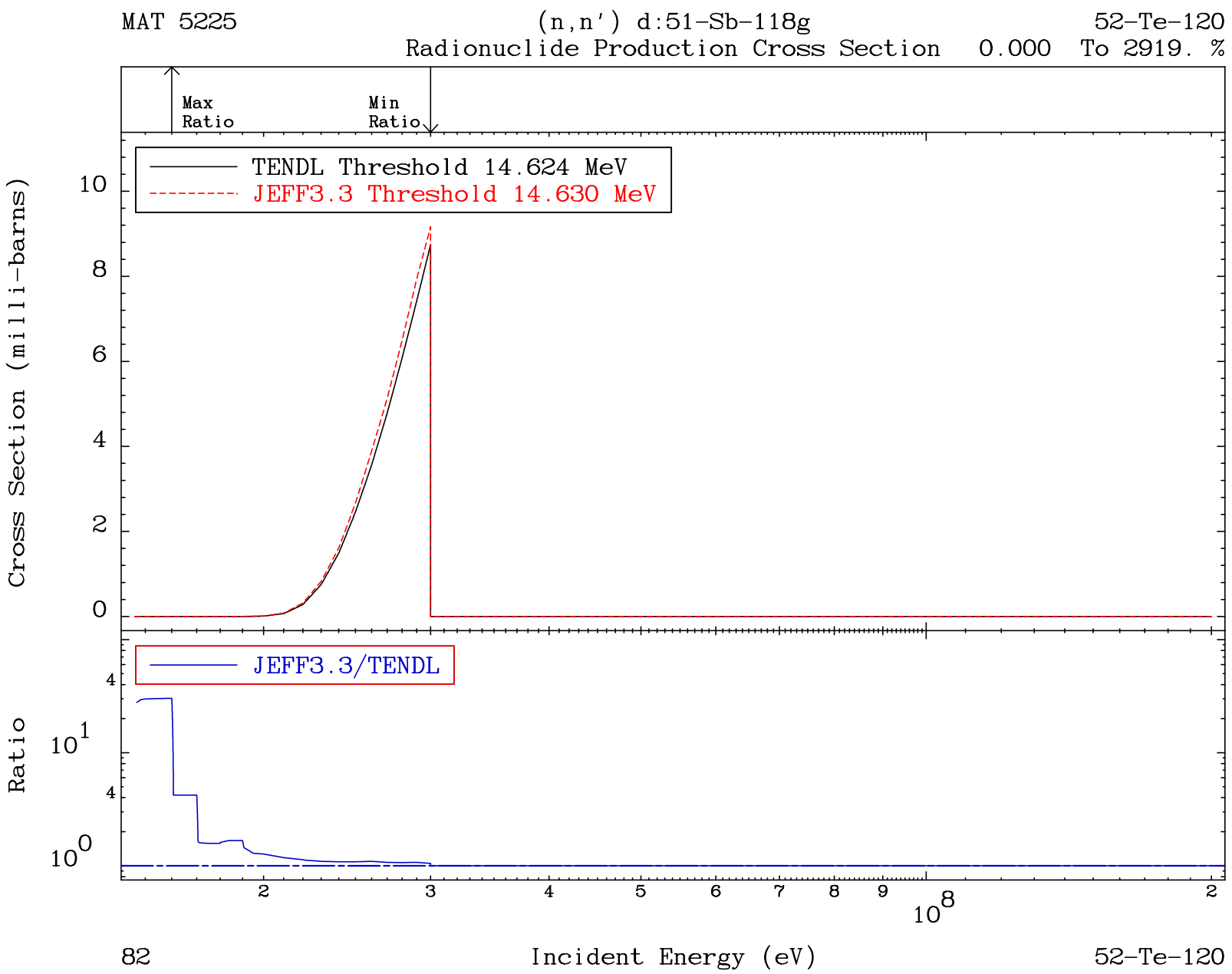

MAT 5225
Dpa elastic (mt2)
Cross Section
52-Te-120
-70.09 To 1804. %
Max Ratio
Min Ratio
TENDL Threshold 740.08 eV
JEFF3.3 Threshold 742.47 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
52-Te-120

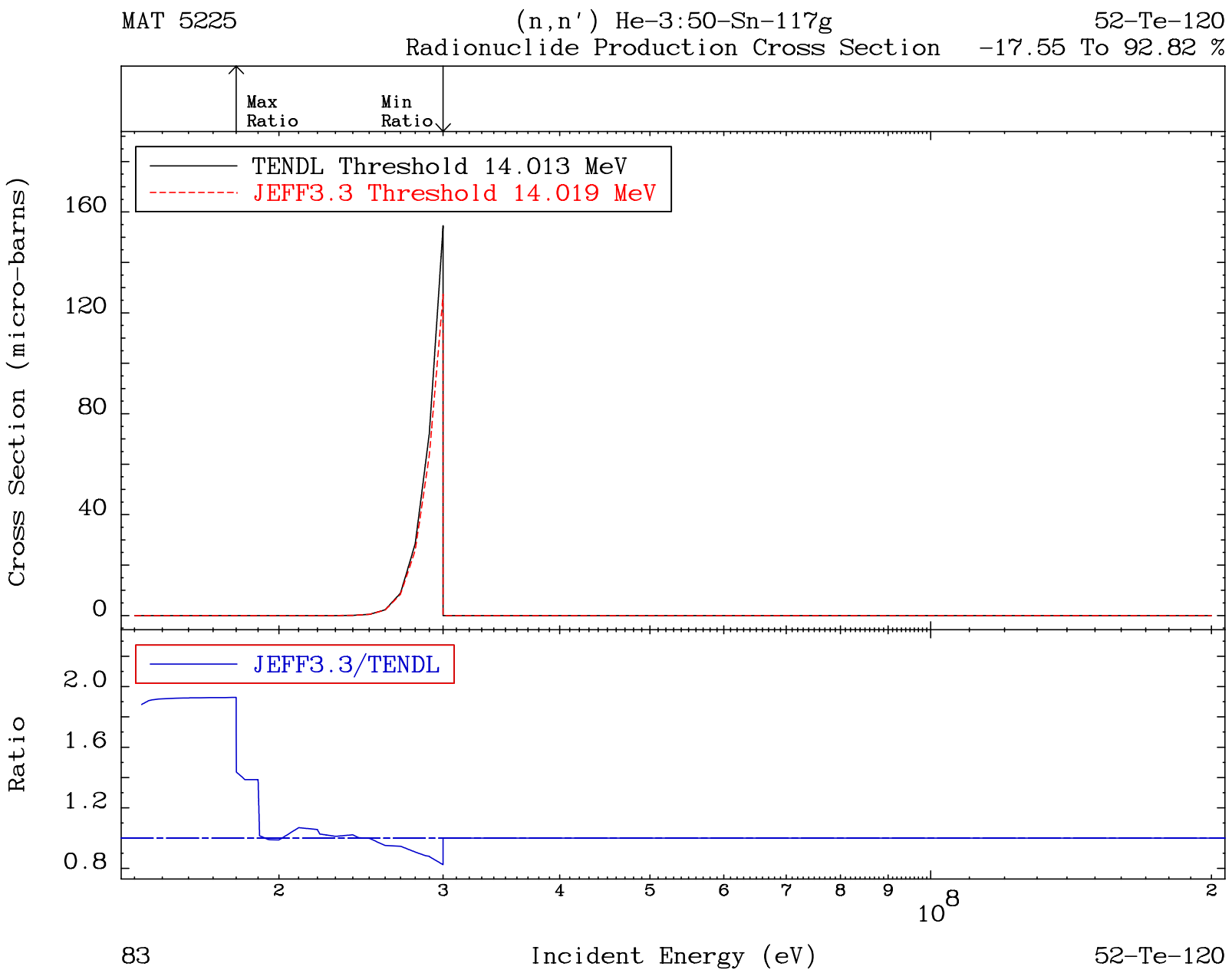

MAT 5225
Dpa inelastic (mt51-91)
Cross Section
52-Te-120
-10.44 To 0.323 %
Max Ratio
Min Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
78
52-Te-120

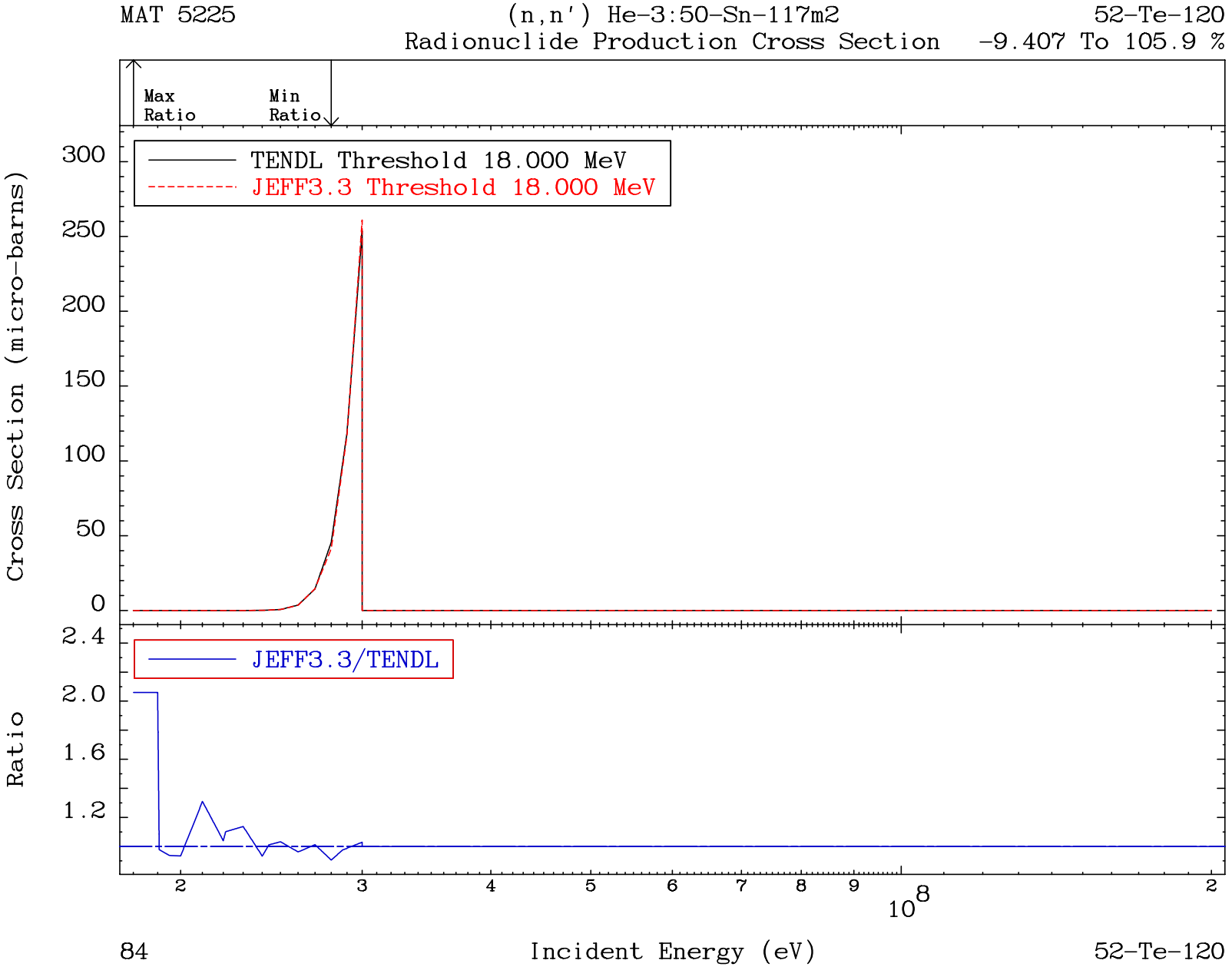

MAT 5225
Dpa disappearance (mt102 -120)
Cross Section
52-Te-120
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
79
52-Te-120

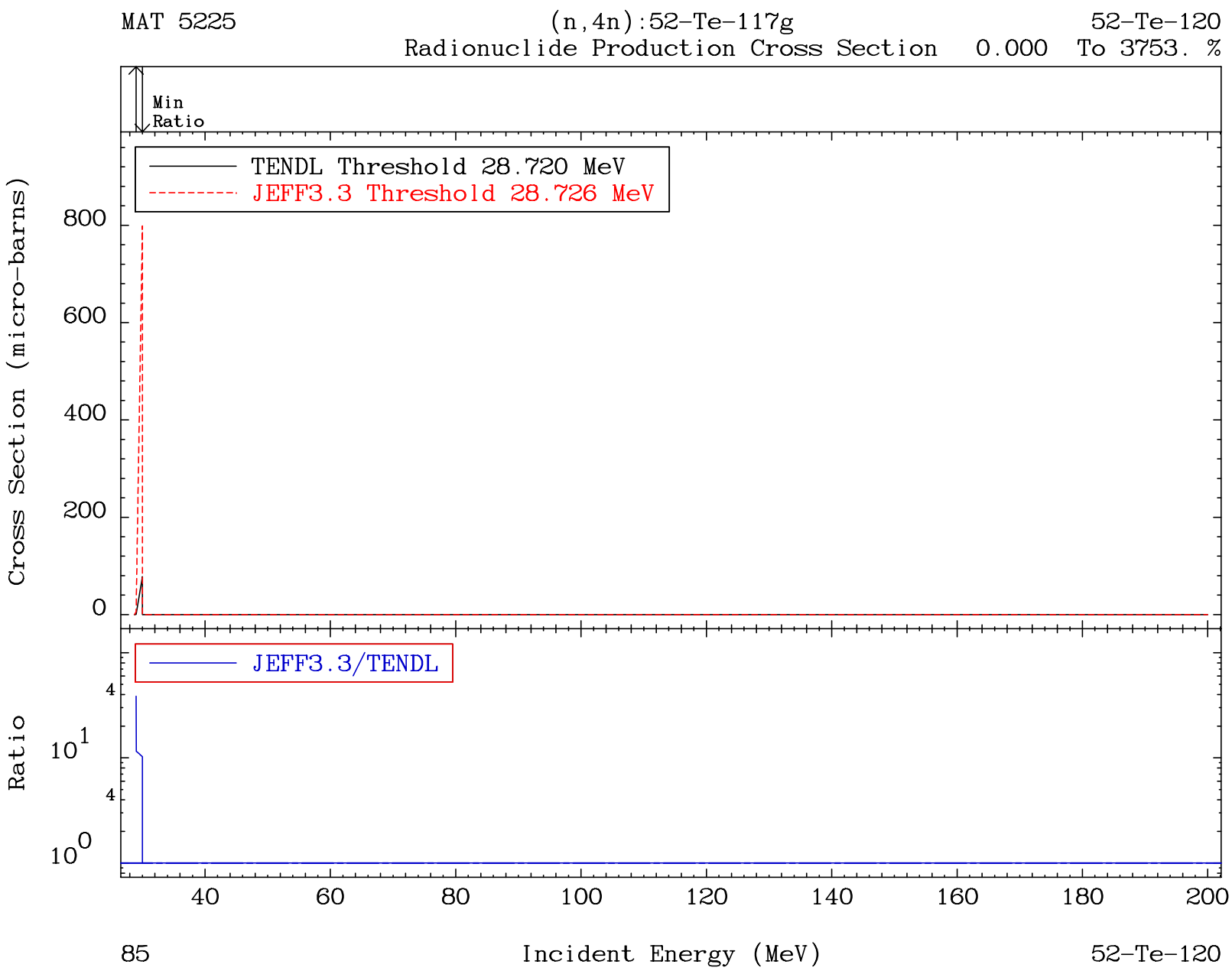

MAT 5225
(n,2n):52-Te-119g
52-Te-120
Radionuclide Production Cross Section
-6.370 To 66.17 %
Max Ratio
Min Ratio
TENDL Threshold 10.337 MeV
JEFF3.3 Threshold 10.345 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
52-Te-120

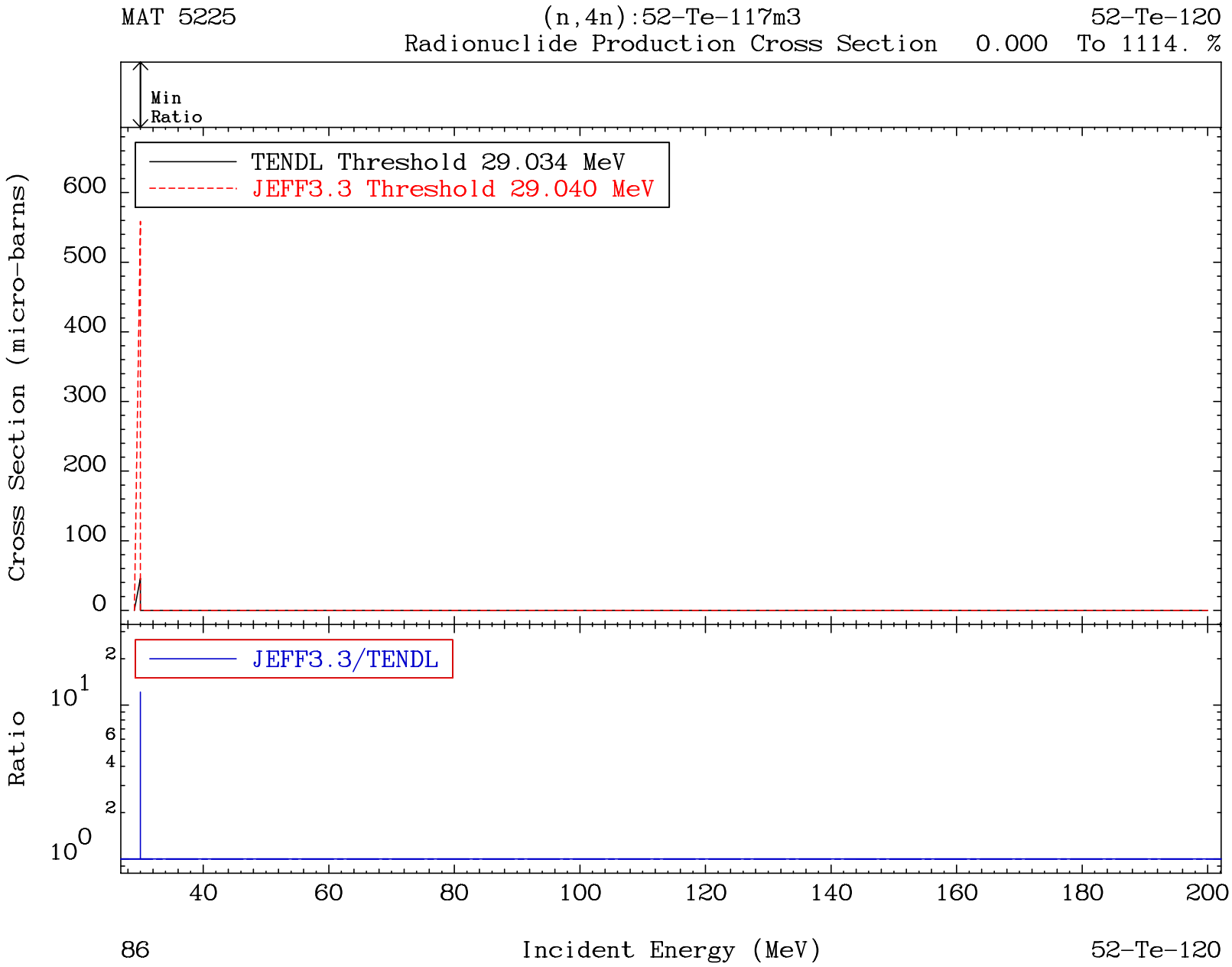

MAT 5225
(n,2n):52-Te-119m2
52-Te-120
Radionuclide Production Cross Section
-9.890 To 44.52 %
Max Ratio
Min Ratio
TENDL Threshold 10.600 MeV
JEFF3.3 Threshold 10.608 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.6
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
52-Te-120

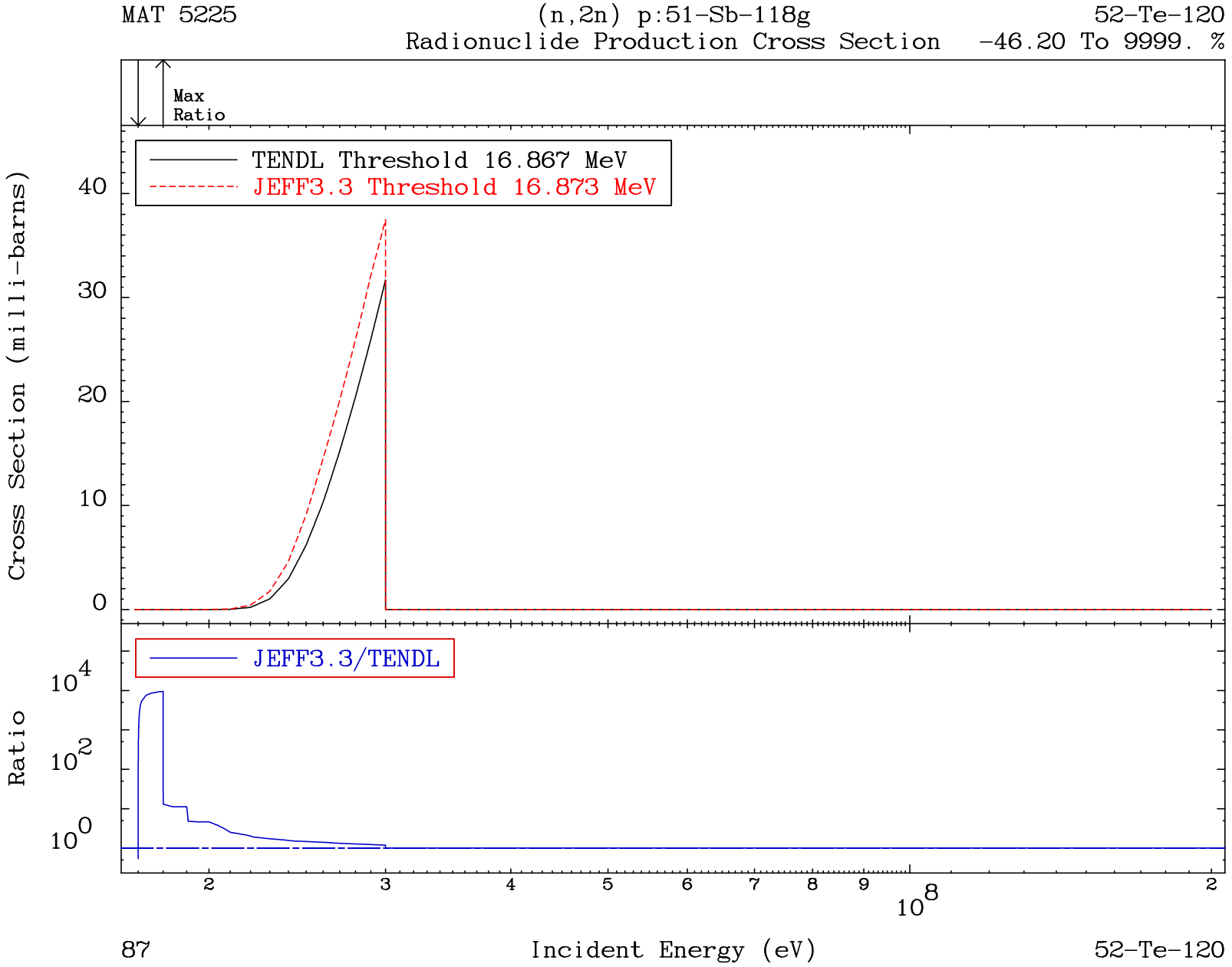

MAT 5225
(n,n') d:51-Sb-118g
52-Te-120
Radionuclide Production Cross Section 0.000 To 2919. %
Max Ratio
Min Ratio
TENDL Threshold 14.624 MeV
JEFF3.3 Threshold 14.630 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
82
52-Te-120

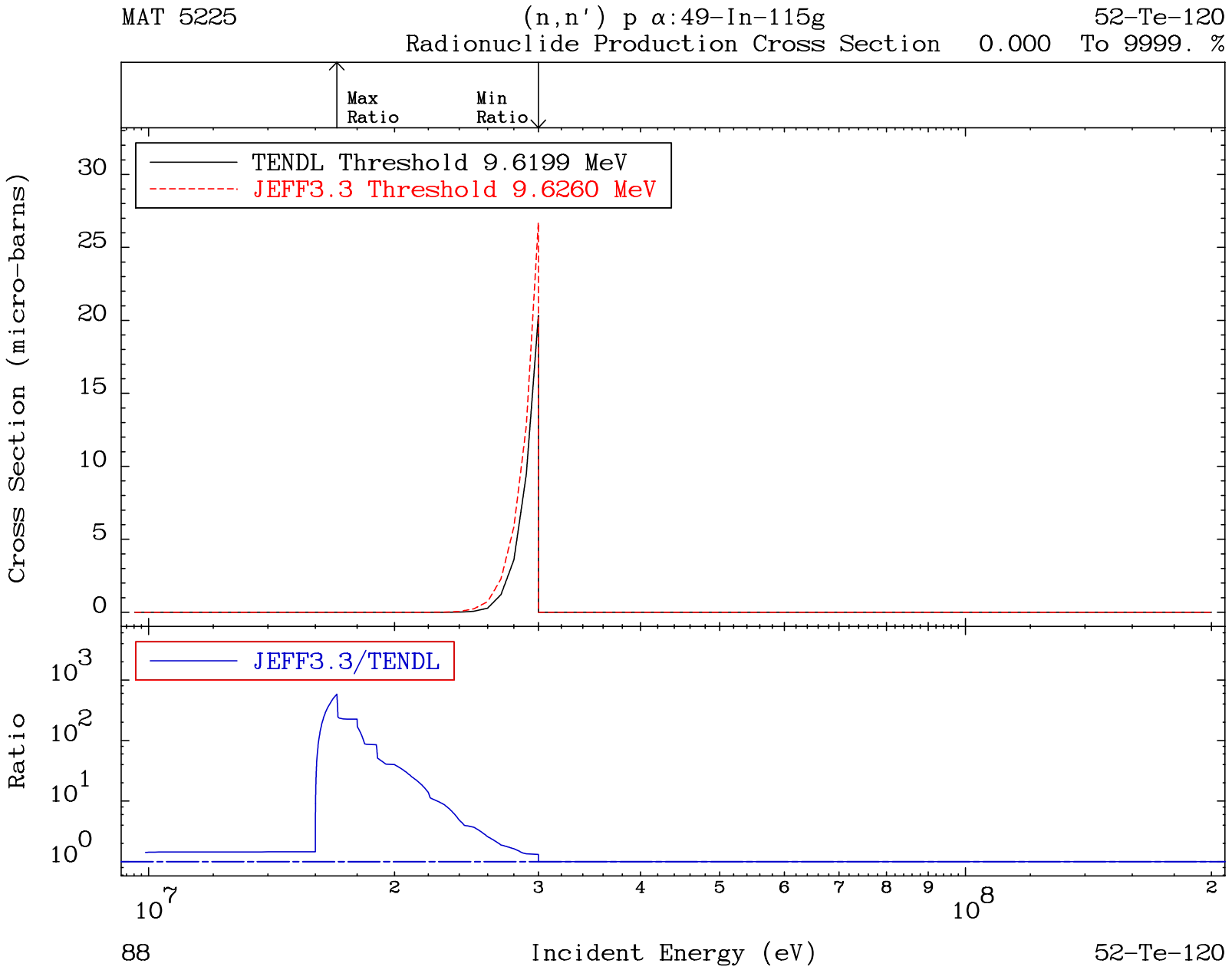

MAT 5225
(n,n') He-3:50-Sn-117g
52-Te-120
Radionuclide Production Cross Section
-17.55 To 92.82 %
Max Ratio
Min Ratio
TENDL Threshold 14.013 MeV
JEFF3.3 Threshold 14.019 MeV
Cross Section (micro-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
52-Te-120

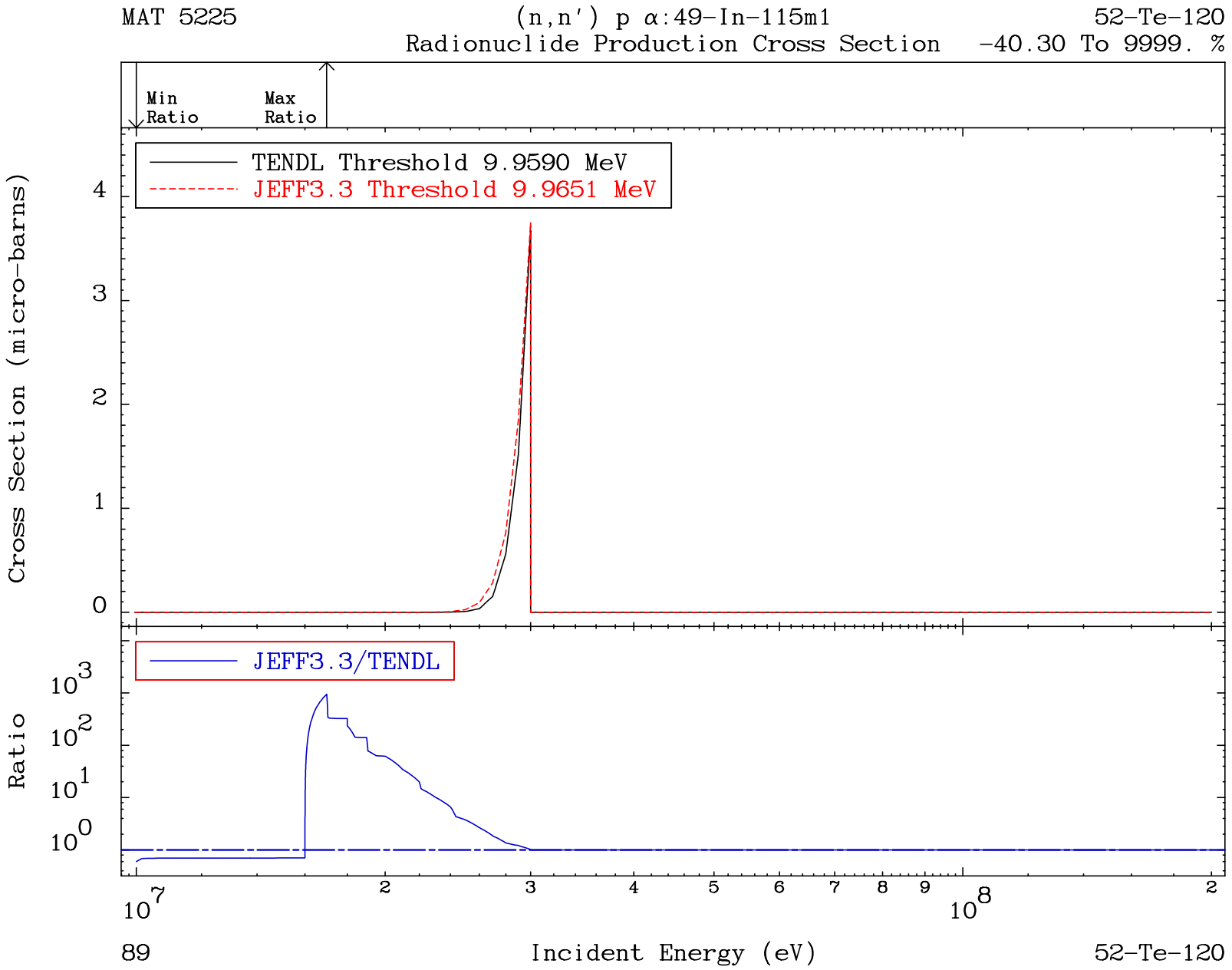

MAT 5225
(n,n') He-3:50-Sn-117m2
52-Te-120
Radionuclide Production Cross Section
-9.407 To 105.9 %
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 18.000 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-120

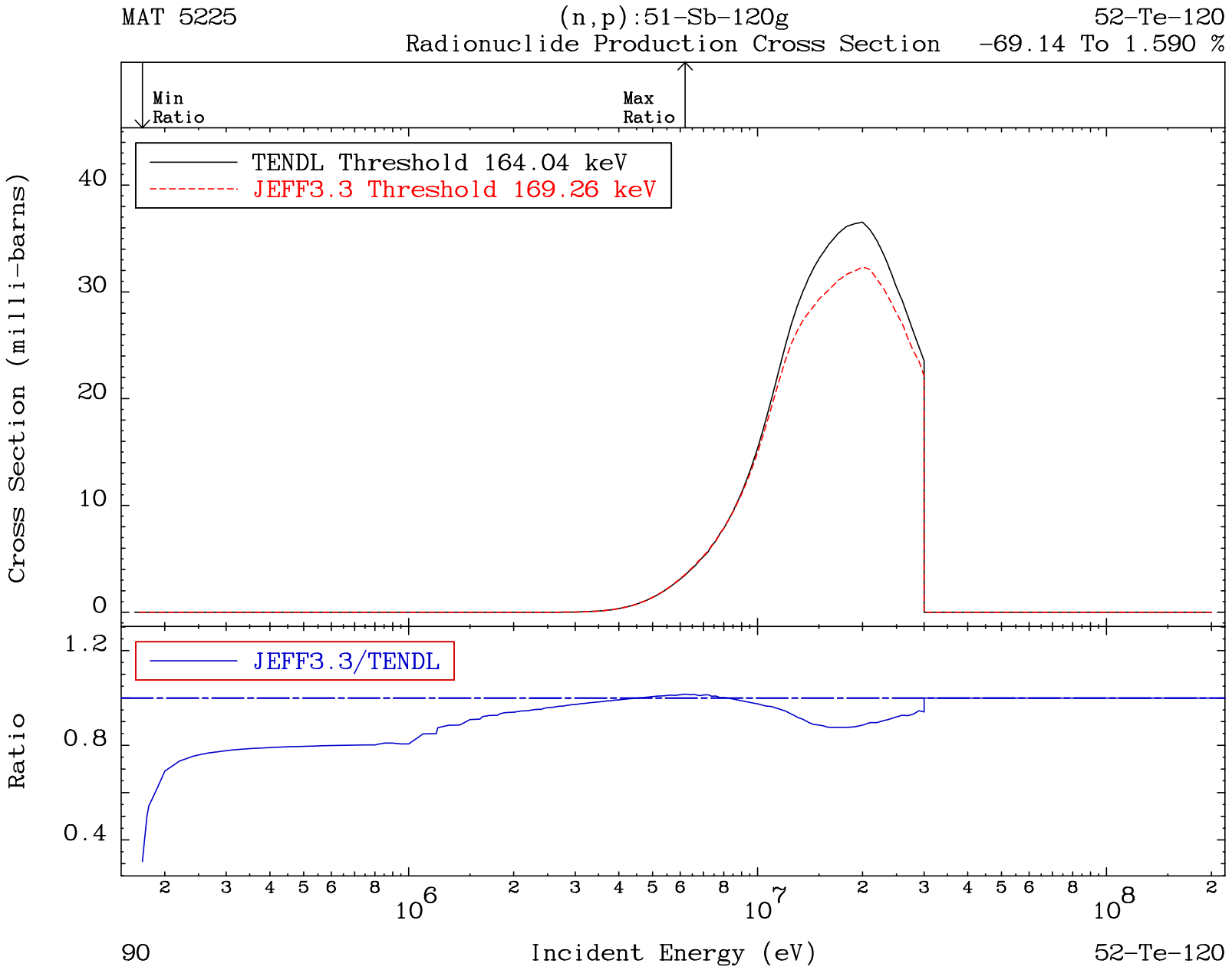

MAT 5225
(n,4n):52-Te-117g
52-Te-120
Radionuclide Production Cross Section 0.000 To 3753. %
Min Ratio
TENDL Threshold 28.720 MeV
JEFF3.3 Threshold 28.726 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
52-Te-120

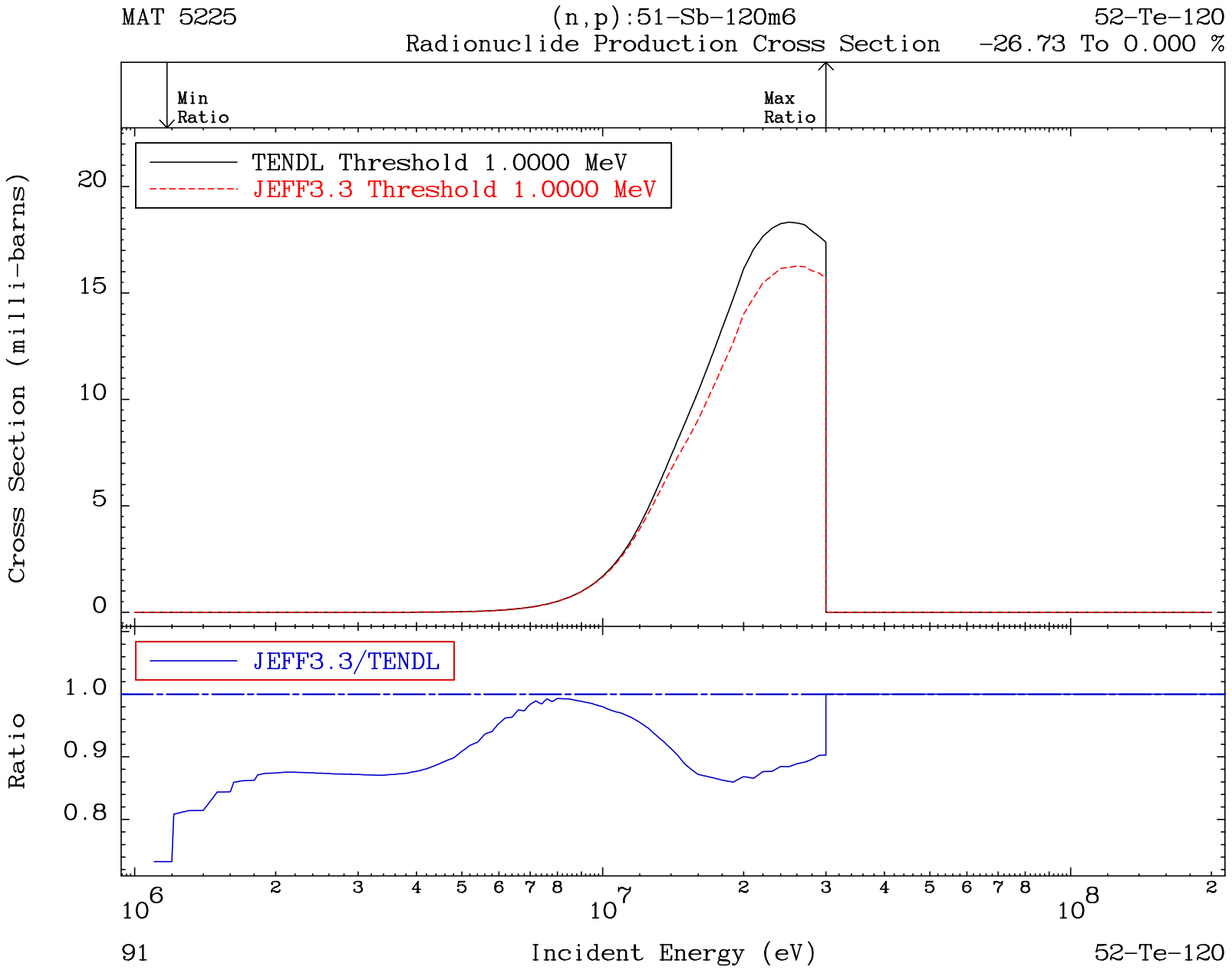

MAT 5225
(n,4n):52-Te-117m3
52-Te-120
Radionuclide Production Cross Section 0.000 To 1114. %
Min Ratio
TENDL Threshold 29.034 MeV
JEFF3.3 Threshold 29.040 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
2
10^1
6
4
2
10^0
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
52-Te-120

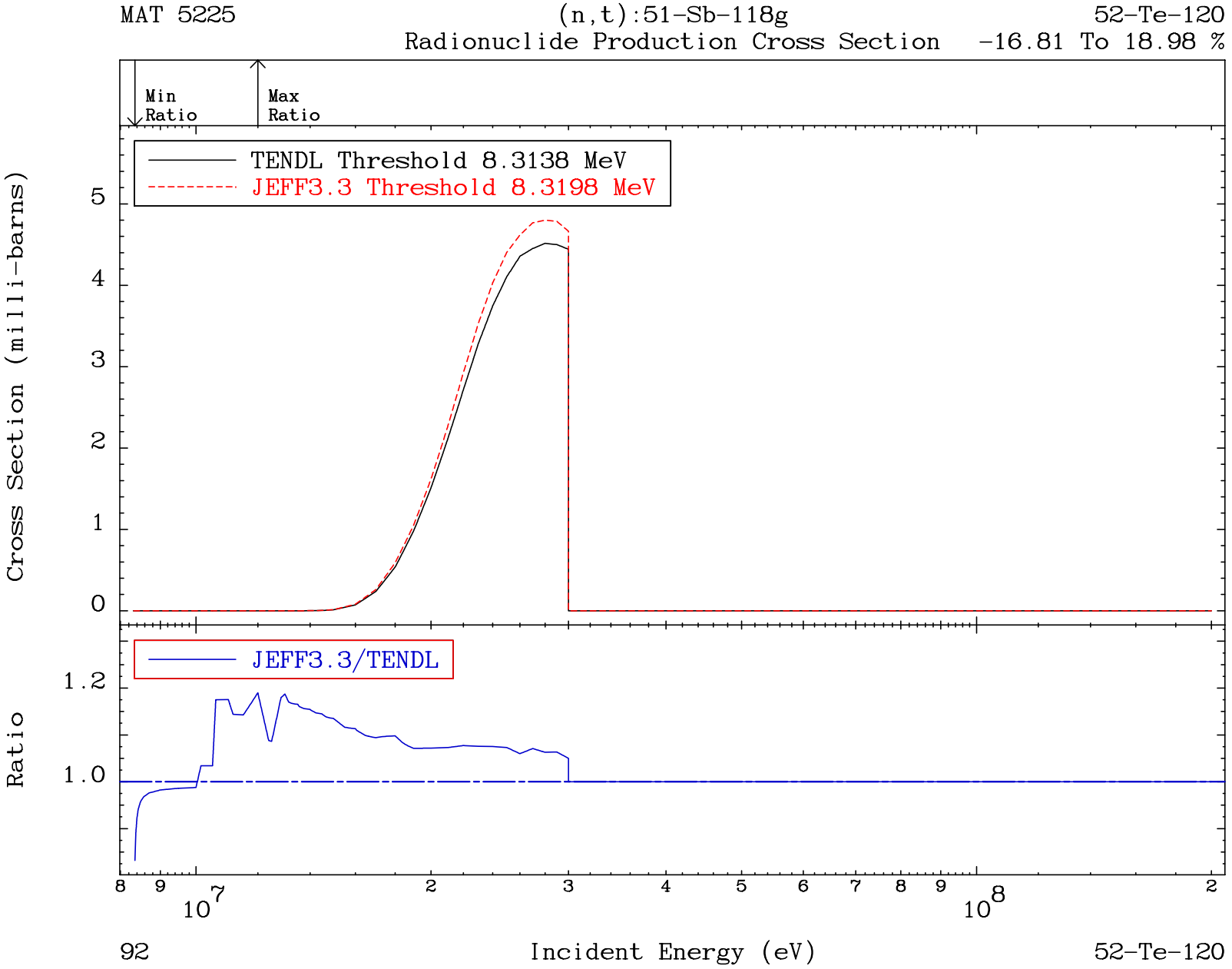

MAT 5225
(n,2n) p:51-Sb-118g
52-Te-120
Radionuclide Production Cross Section -46.20 To 9999. %
Max Ratio
TENDL Threshold 16.867 MeV
JEFF3.3 Threshold 16.873 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
52-Te-120

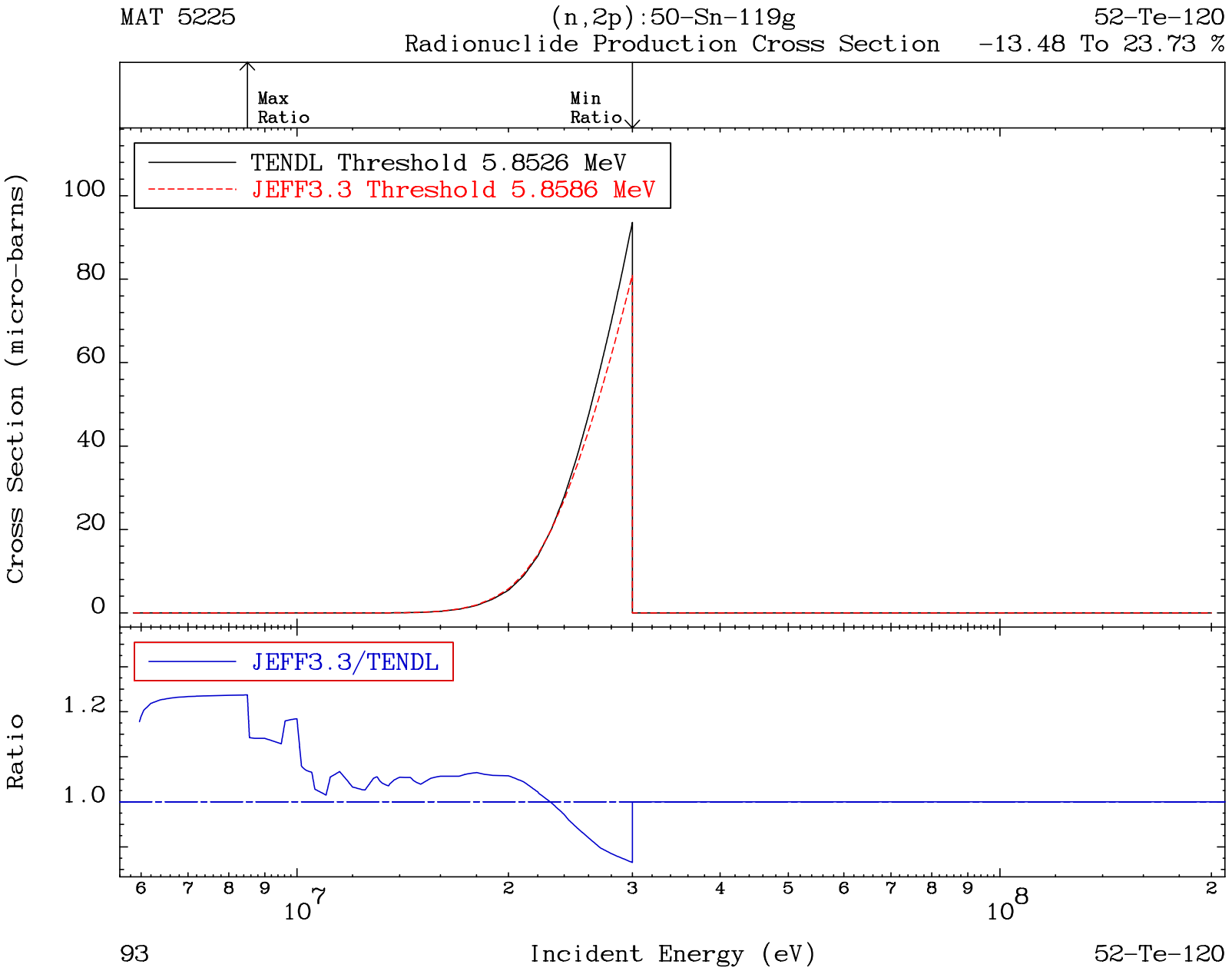

MAT 5225
(n,n') p α:49-In-115g
52-Te-120
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.6199 MeV
JEFF3.3 Threshold 9.6260 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
52-Te-120

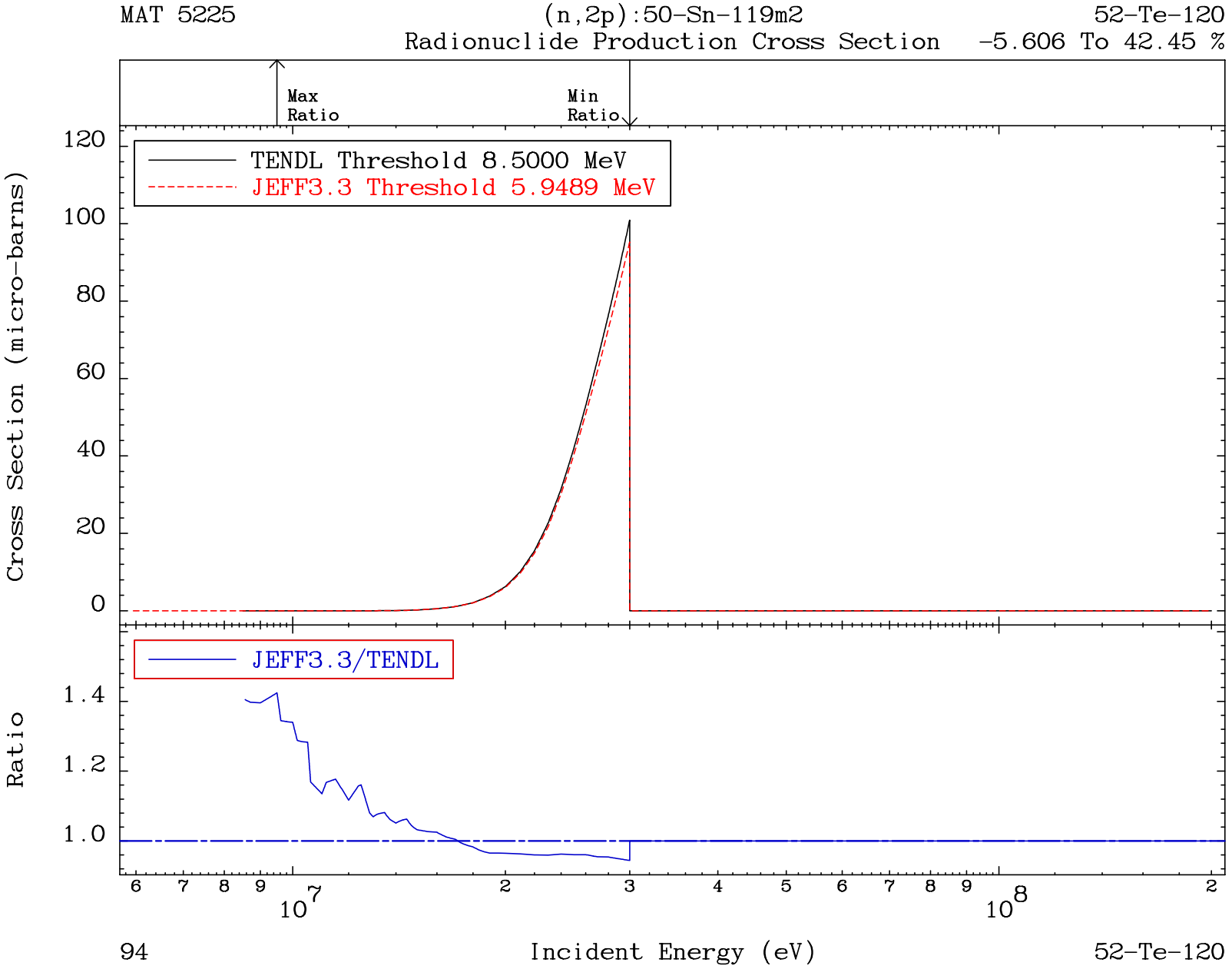

MAT 5225
(n,n') p α:49-In-115m1
52-Te-120
Radionuclide Production Cross Section
-40.30 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.9590 MeV
JEFF3.3 Threshold 9.9651 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
89
52-Te-120

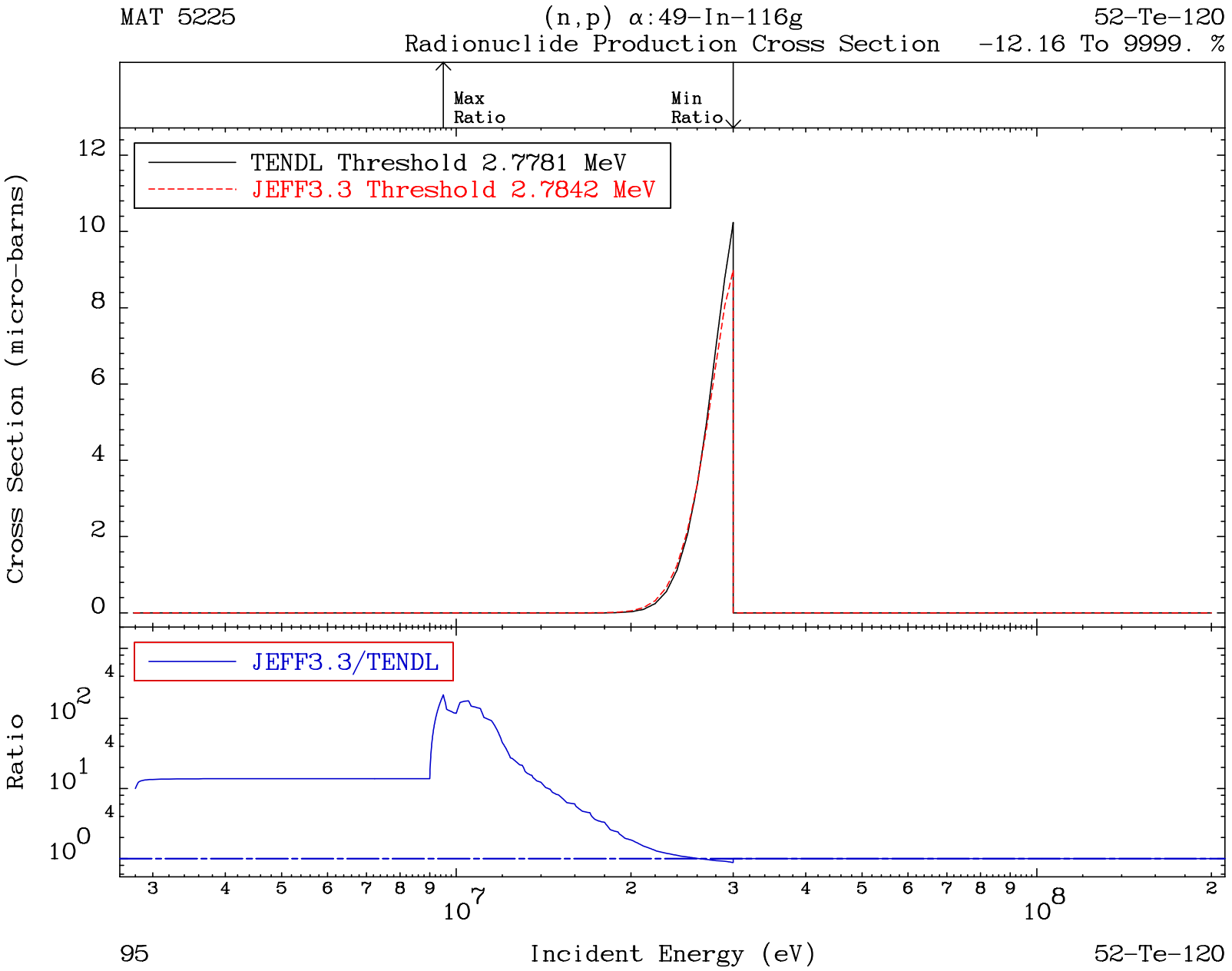

MAT 5225
(n,p):51-Sb-120g
52-Te-120
Radionuclide Production Cross Section
-69.14 To 1.590 %
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JEFF3.3 Threshold 169.26 keV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
90
Incident Energy (eV)
52-Te-120

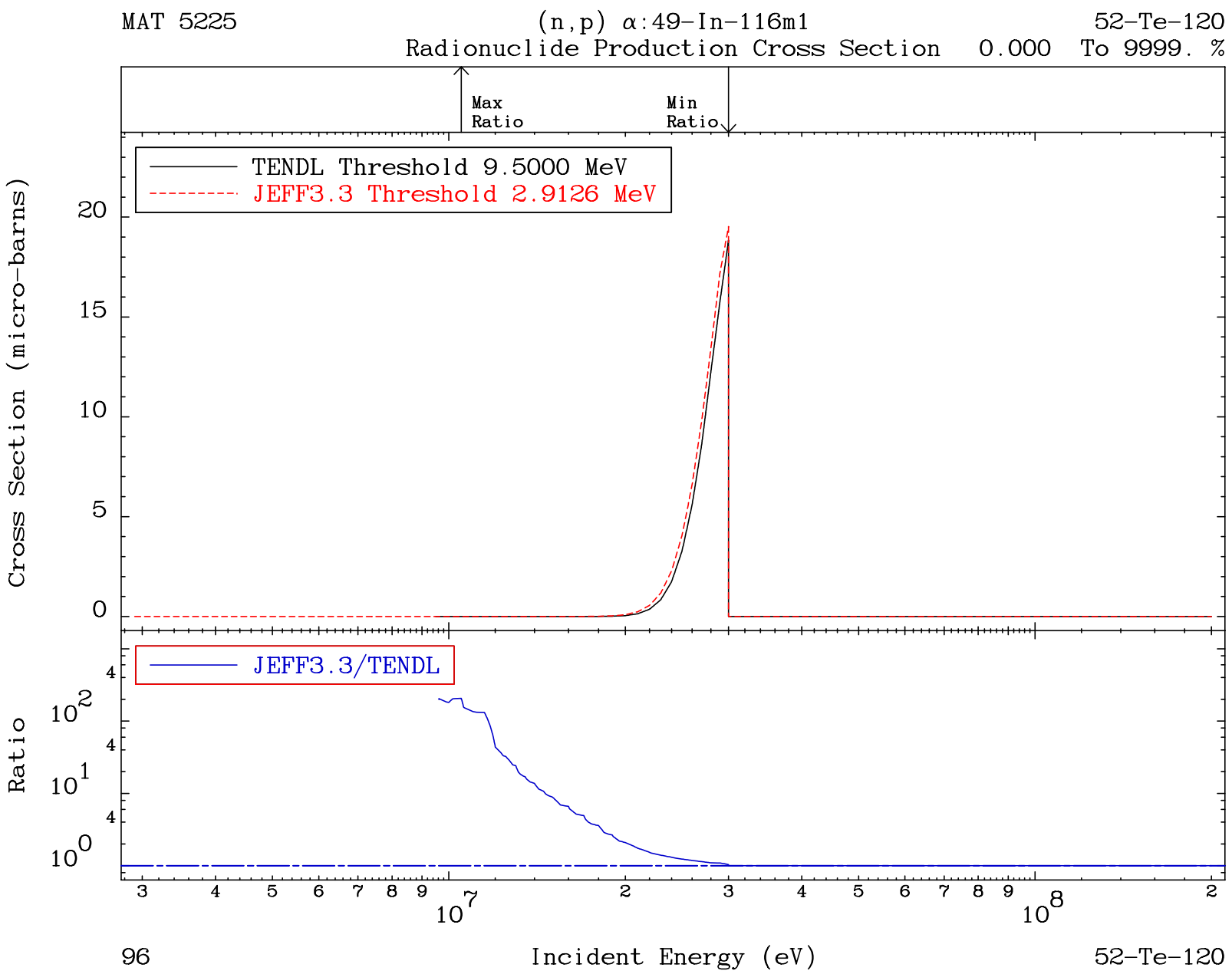

MAT 5225
(n,p):51-Sb-120m6
52-Te-120
Radionuclide Production Cross Section
-26.73 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0000 MeV
JEFF3.3 Threshold 1.0000 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.0
0.9
0.8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
91
Incident Energy (eV)
52-Te-120

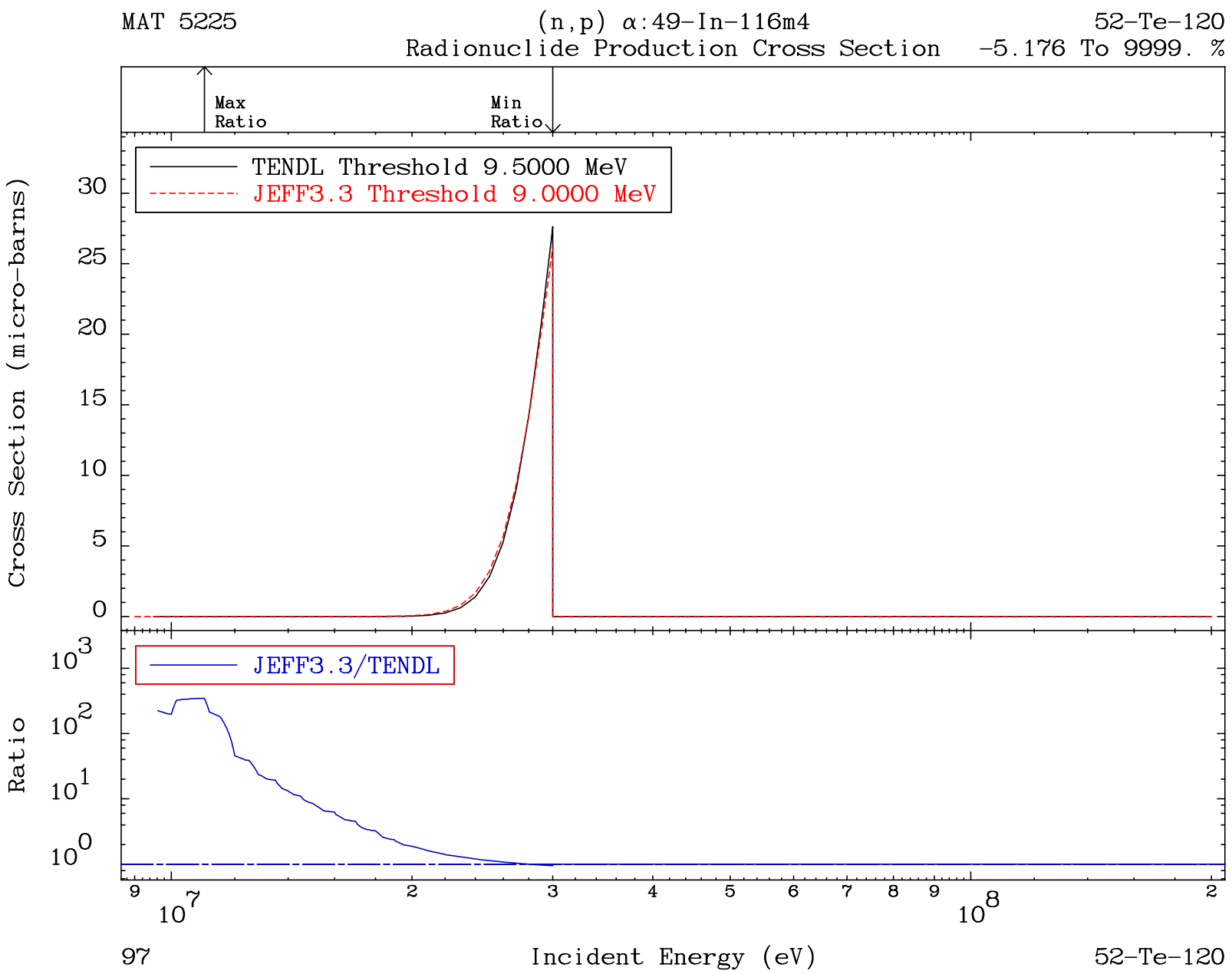

MAT 5225
(n,t):51-Sb-118g
52-Te-120
Radionuclide Production Cross Section -16.81 To 18.98 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JEFF3.3 Threshold 8.3198 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.0
1.2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
52-Te-120

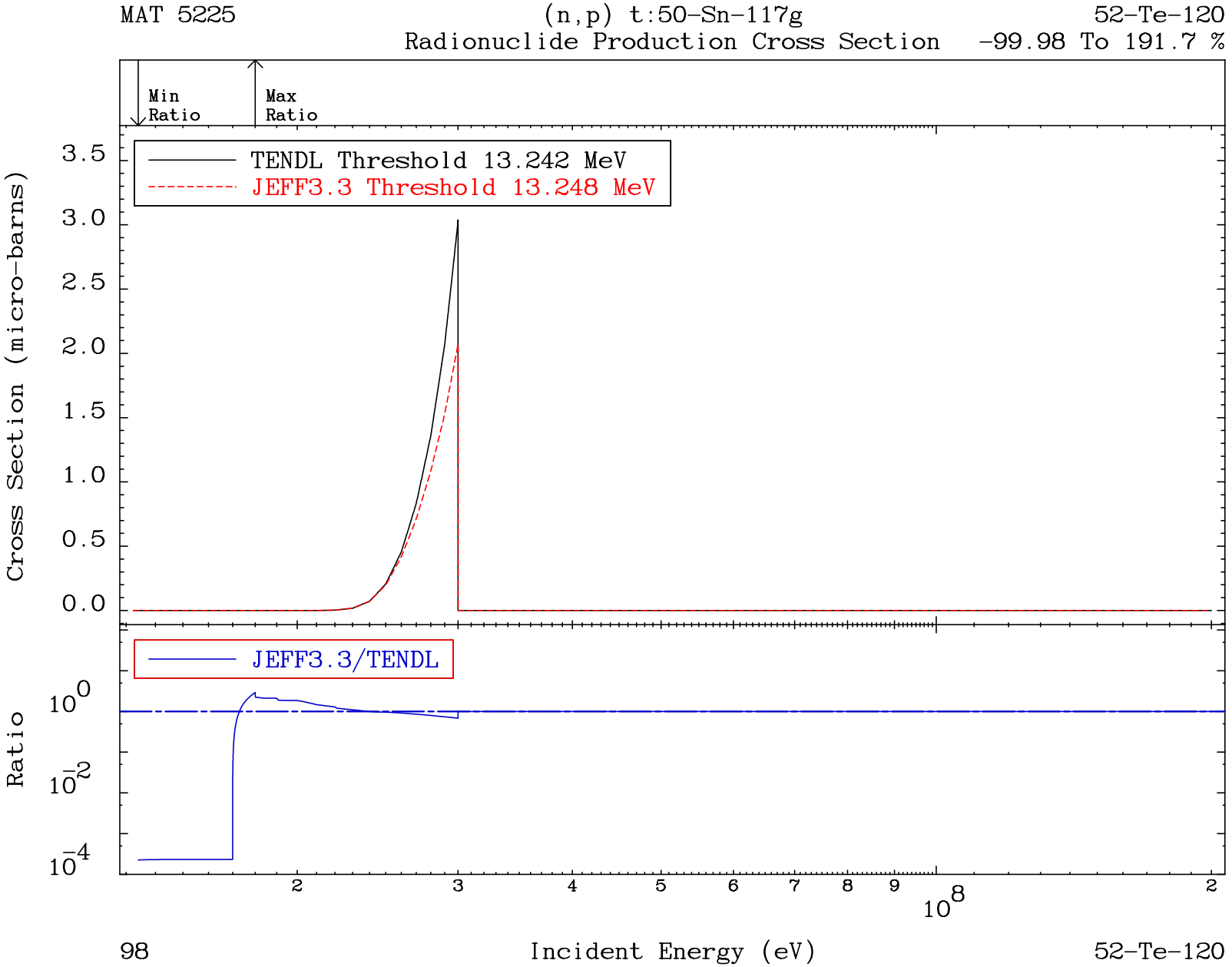

MAT 5225
(n,2p):50-Sn-119g
52-Te-120
Radionuclide Production Cross Section
-13.48 To 23.73 %
Max Ratio
Min Ratio
TENDL Threshold 5.8526 MeV
JEFF3.3 Threshold 5.8586 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
52-Te-120

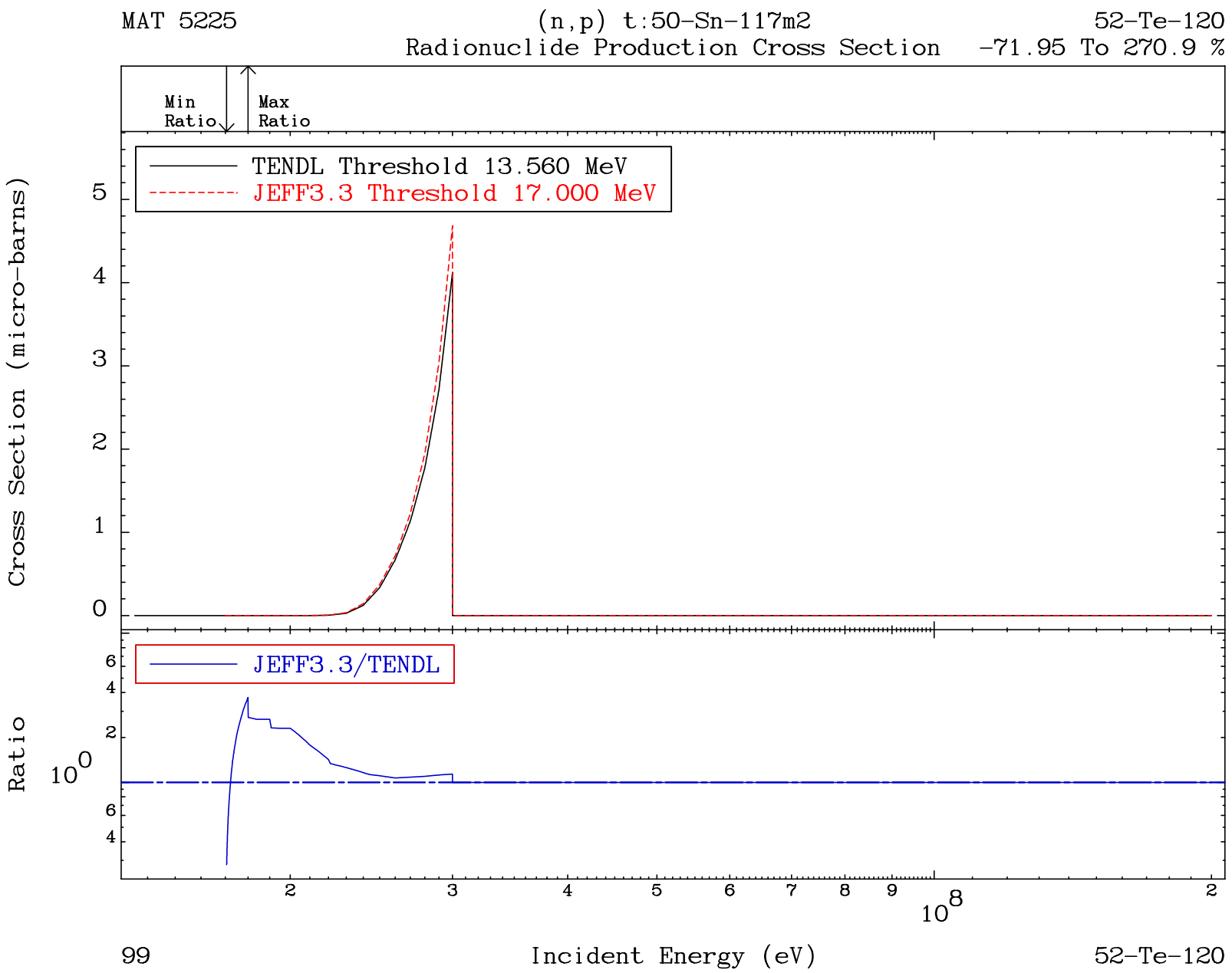

MAT 5225
(n,2p):50-Sn-119m2
52-Te-120
Radionuclide Production Cross Section
-5.606 To 42.45 %
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JEFF3.3 Threshold 5.9489 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
94
Incident Energy (eV)
52-Te-120

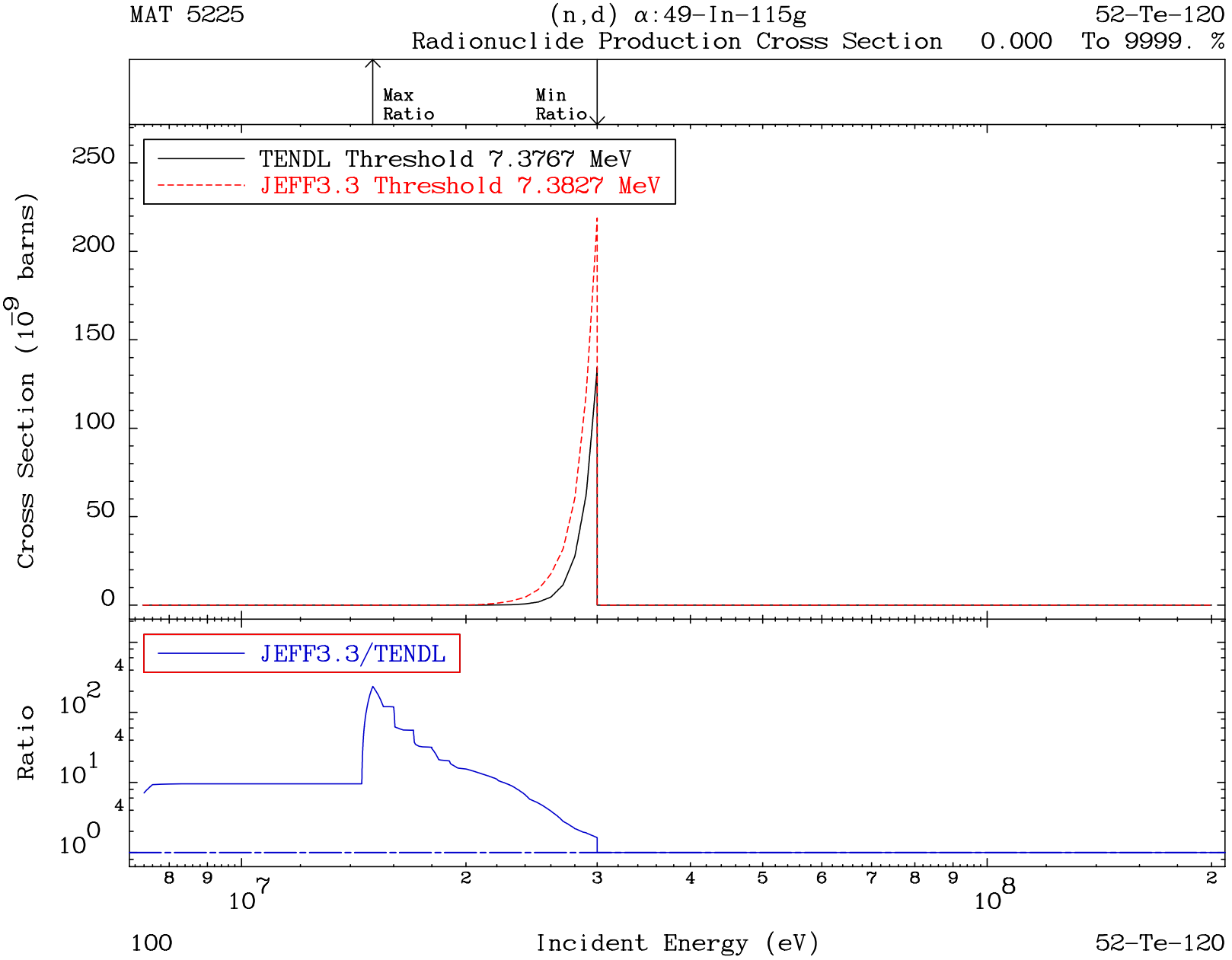

MAT 5225
(n,p) α:49-In-116g
52-Te-120
Radionuclide Production Cross Section -12.16 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7781 MeV
JEFF3.3 Threshold 2.7842 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
95
52-Te-120

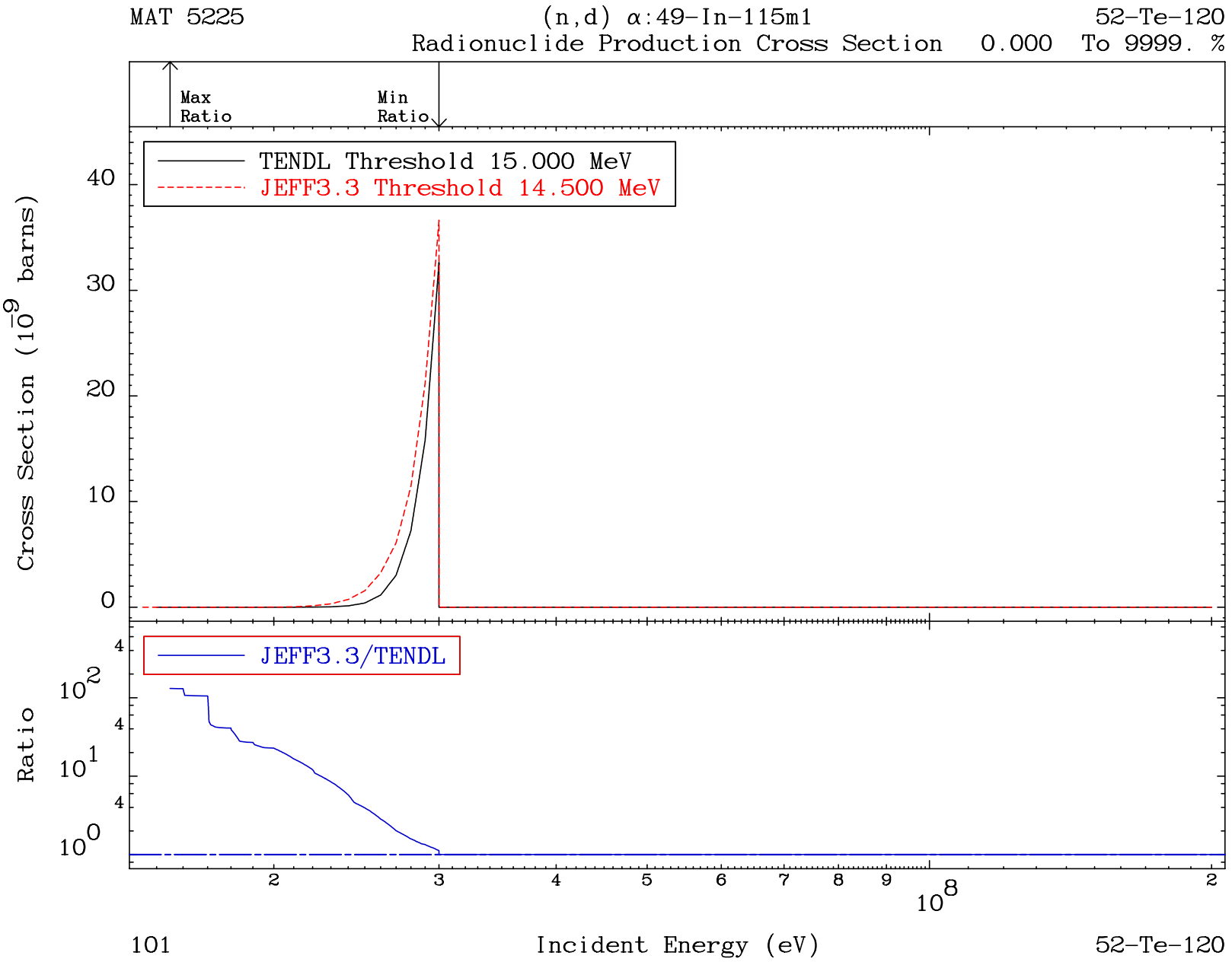

MAT 5225
(n,p) α:49-In-116m1
52-Te-120
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 2.9126 MeV
Cross Section (micro-barns)
0
5
10
15
20
JEFF3.3/TENDL
Ratio
10^0
10^1
10^2
10^7
10^8
96
Incident Energy (eV)
52-Te-120


MAT 5225
(n,p) α:49-In-116m4
52-Te-120
Radionuclide Production Cross Section -5.176 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 9.0000 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
52-Te-120


MAT 5225
(n,p) t:50-Sn-117g
52-Te-120
Radionuclide Production Cross Section
-99.98 To 191.7 %
Min Ratio
Max Ratio
TENDL Threshold 13.242 MeV
JEFF3.3 Threshold 13.248 MeV
Cross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
98
Incident Energy (eV)
52-Te-120


MAT 5225
(n,p) t:50-Sn-117m2
52-Te-120
Radionuclide Production Cross Section -71.95 To 270.9 %
Min Ratio
Max Ratio
TENDL Threshold 13.560 MeV
JEFF3.3 Threshold 17.000 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
99
52-Te-120


MAT 5225
(n,d) α:49-In-115g
52-Te-120
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3767 MeV
JEFF3.3 Threshold 7.3827 MeV
Cross Section (10^{-9} barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
100
Incident Energy (eV)
52-Te-120


MAT 5225
(n,d) α:49-In-115m1
52-Te-120
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 15.000 MeV
JEFF3.3 Threshold 14.500 MeV
Cross Section (10^{-9} barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
101
Incident Energy (eV)
52-Te-120