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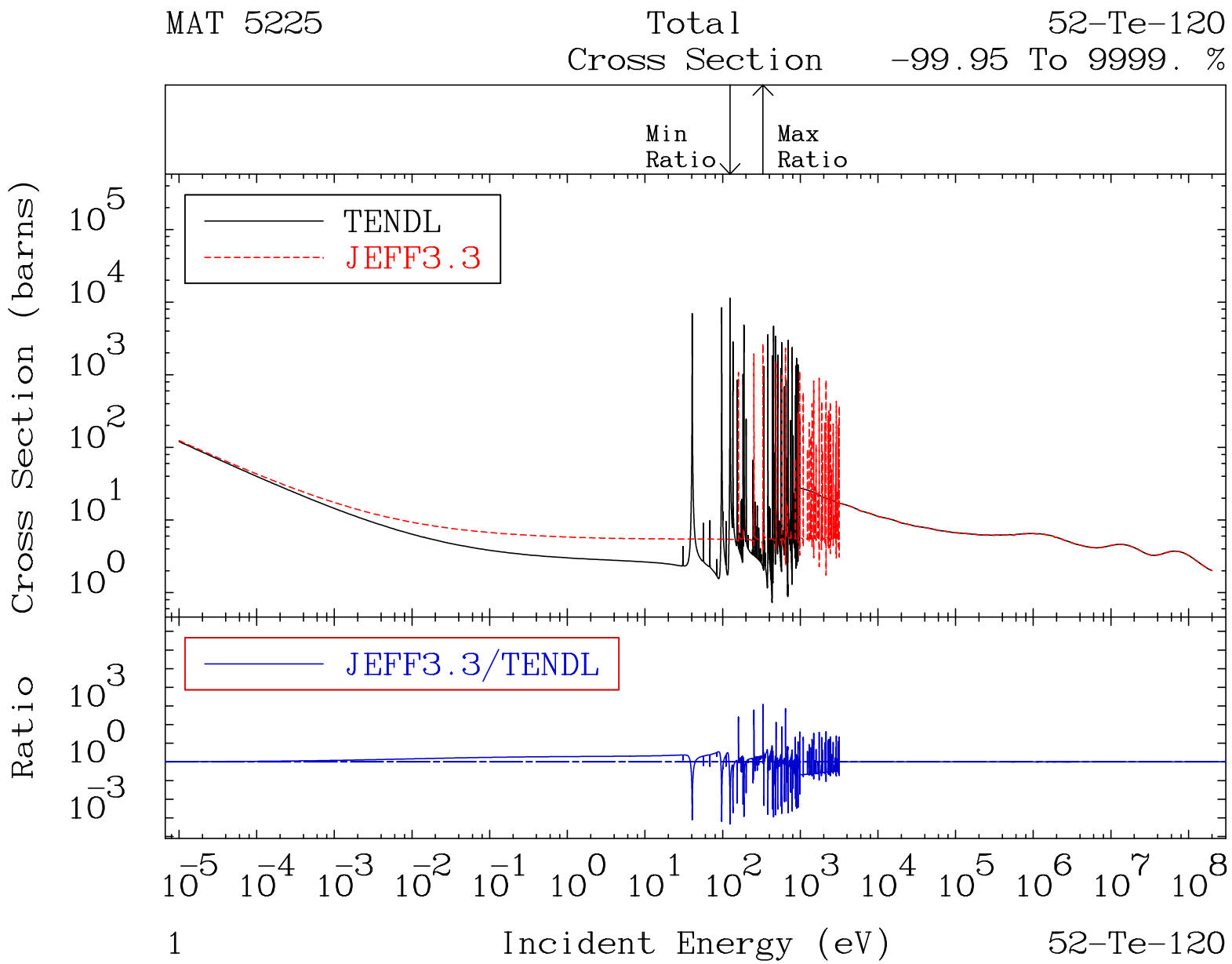
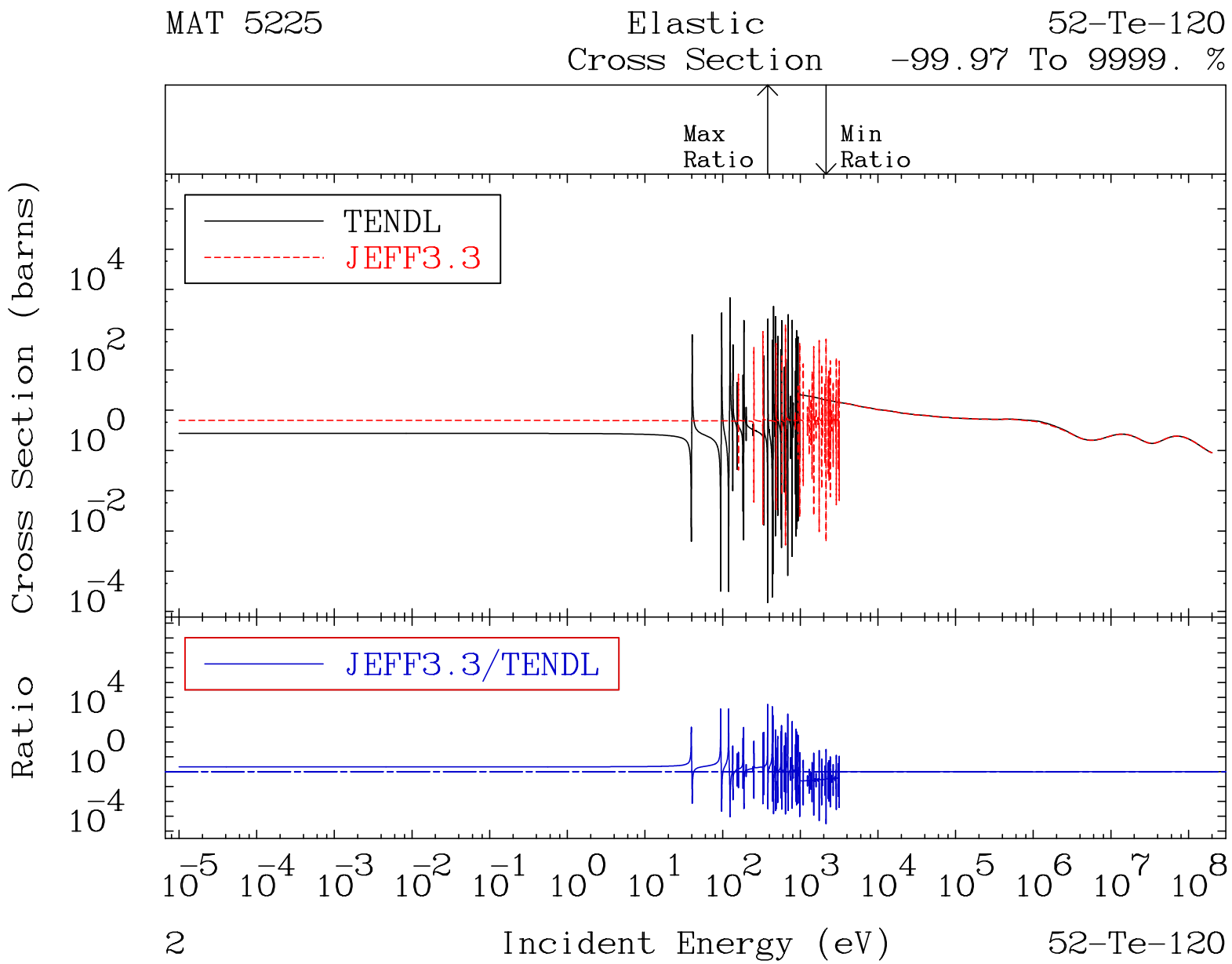
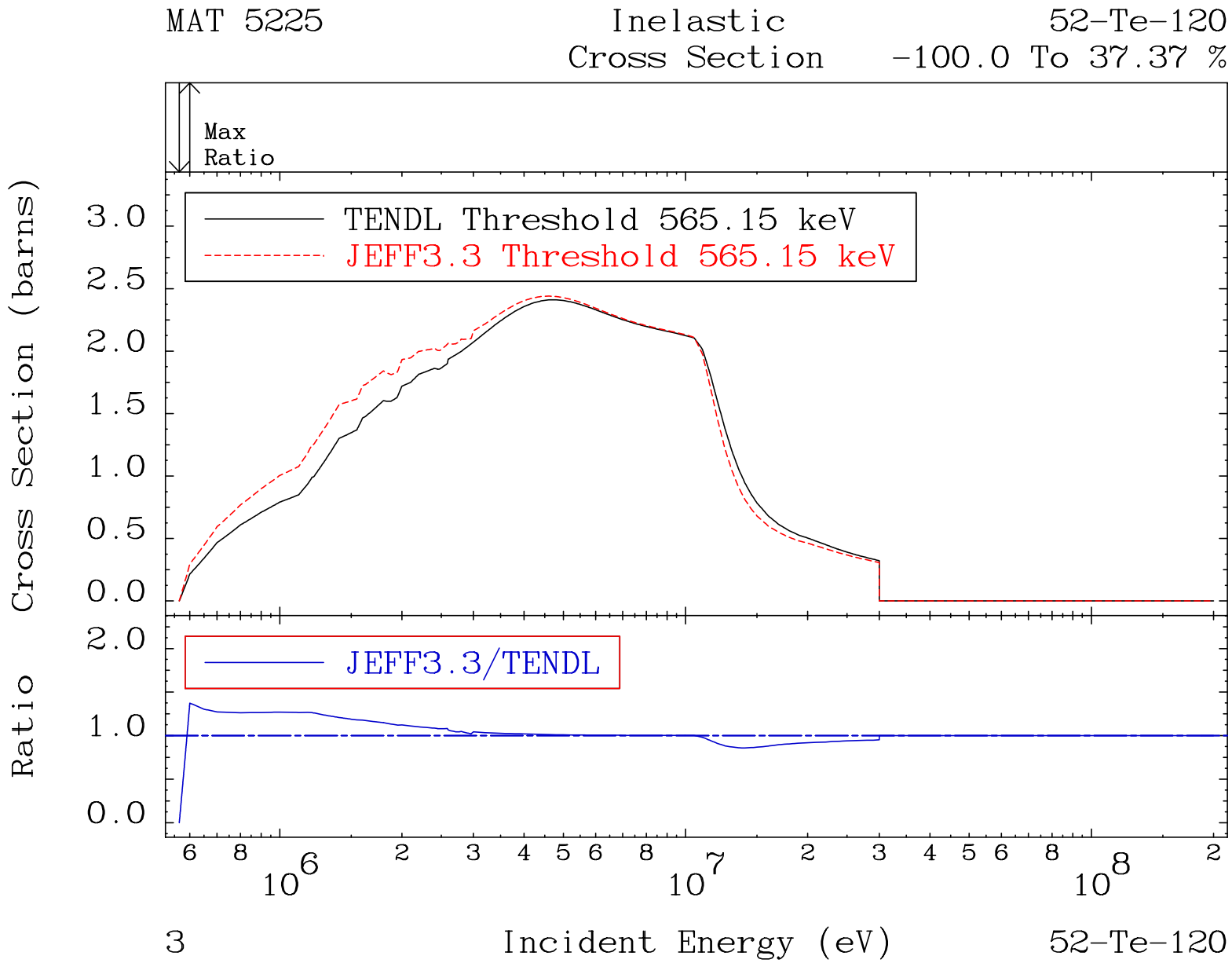
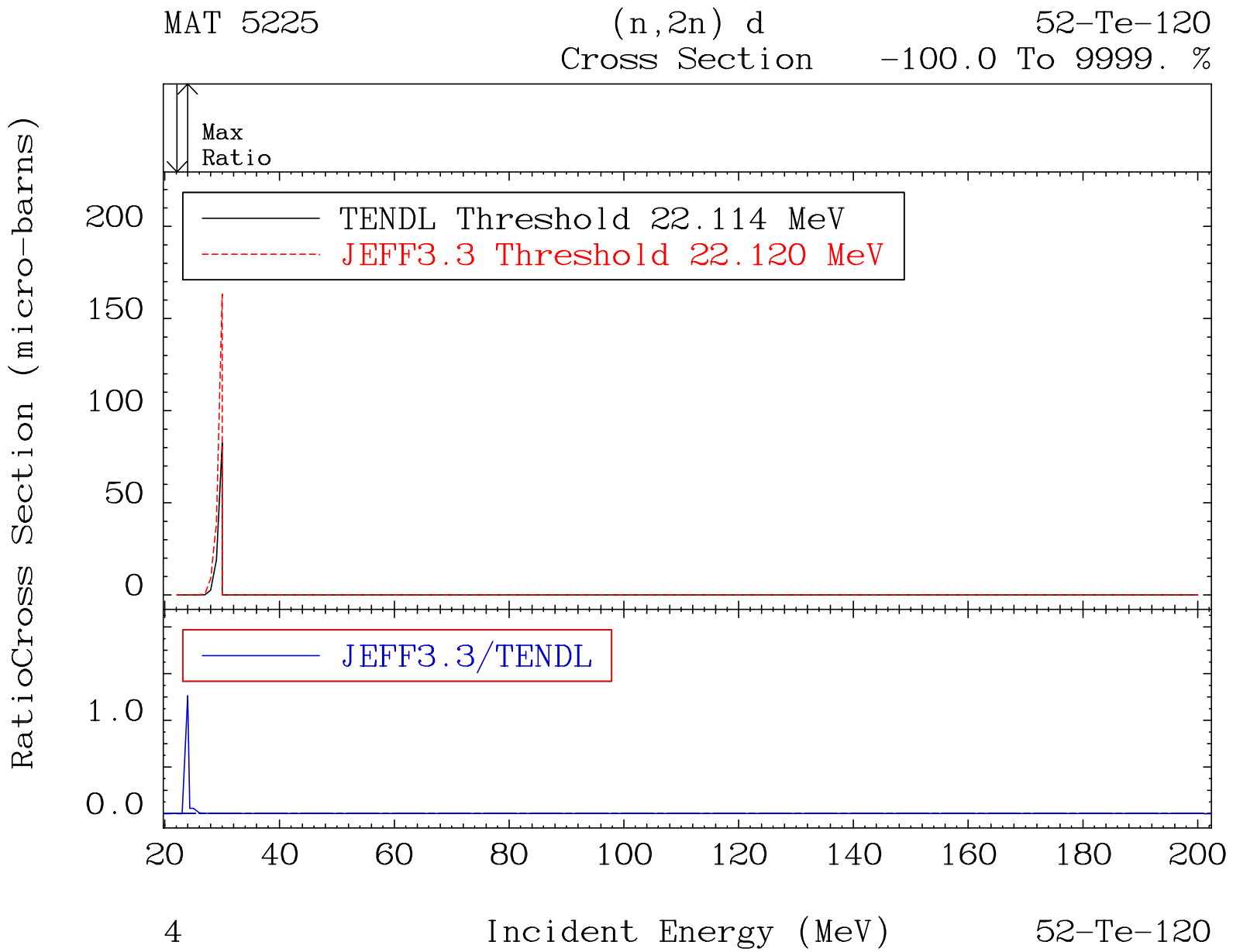
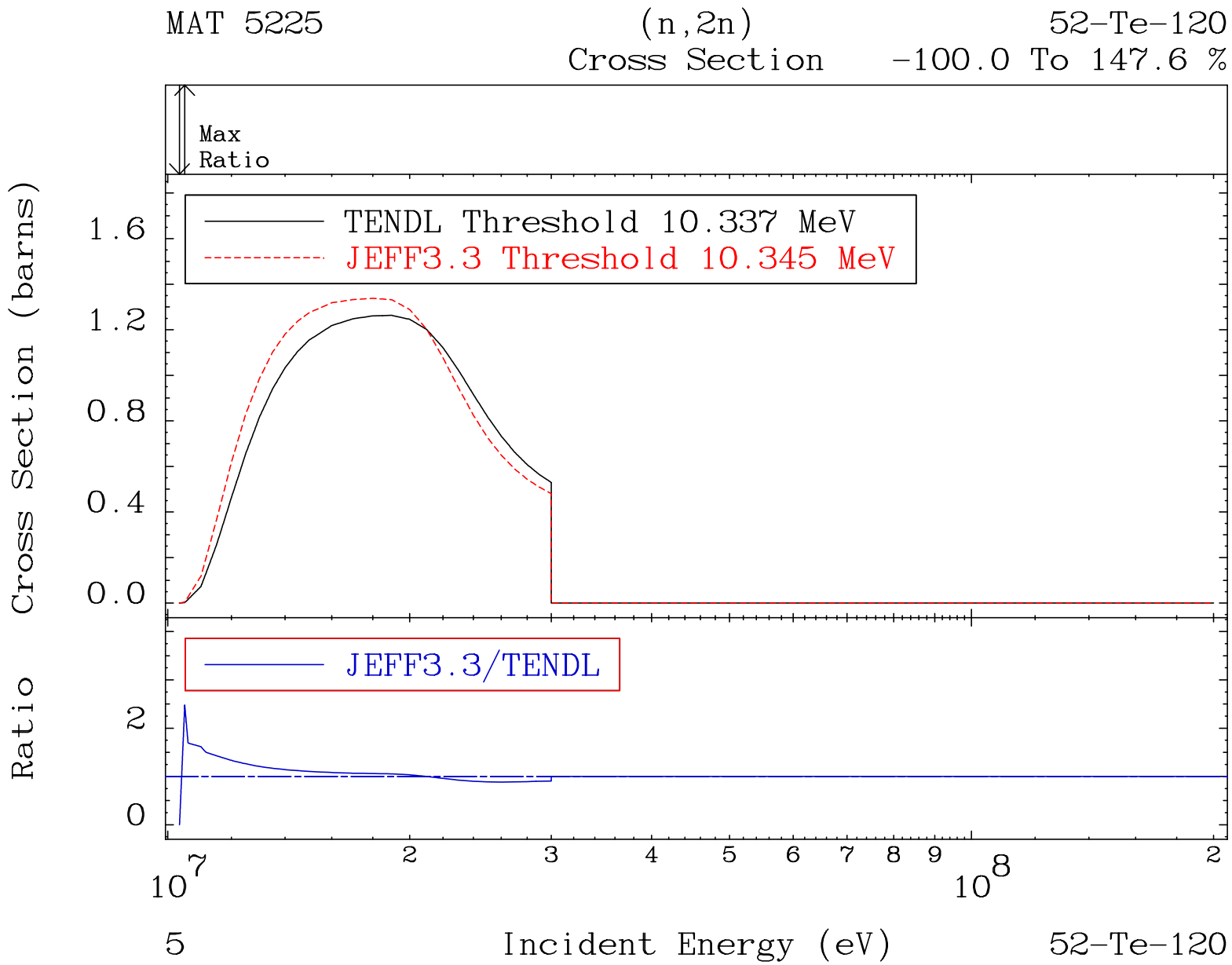
Press Mouse Button to Start

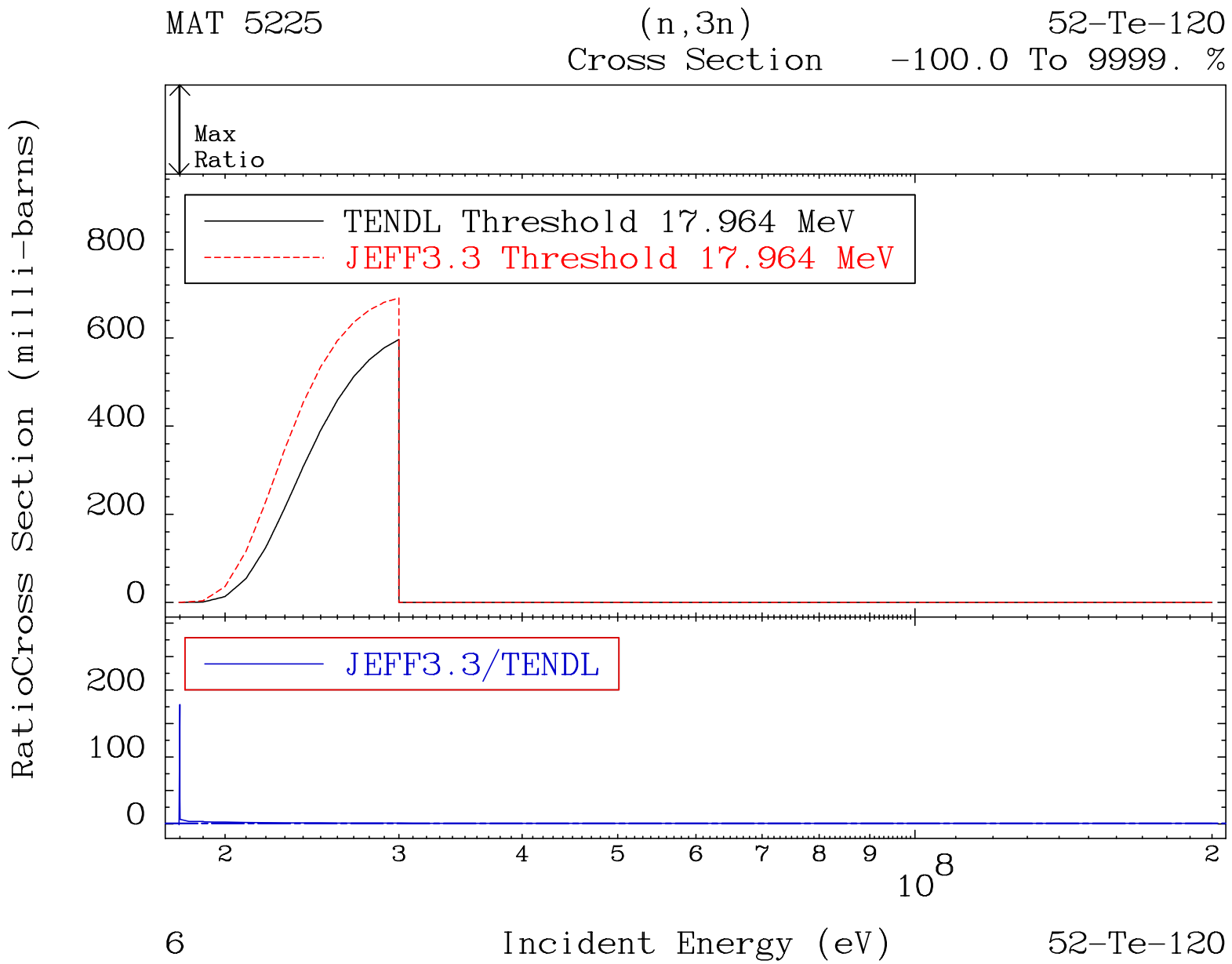

MAT 5225
Total
Cross Section
52-Te-120
-99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-120

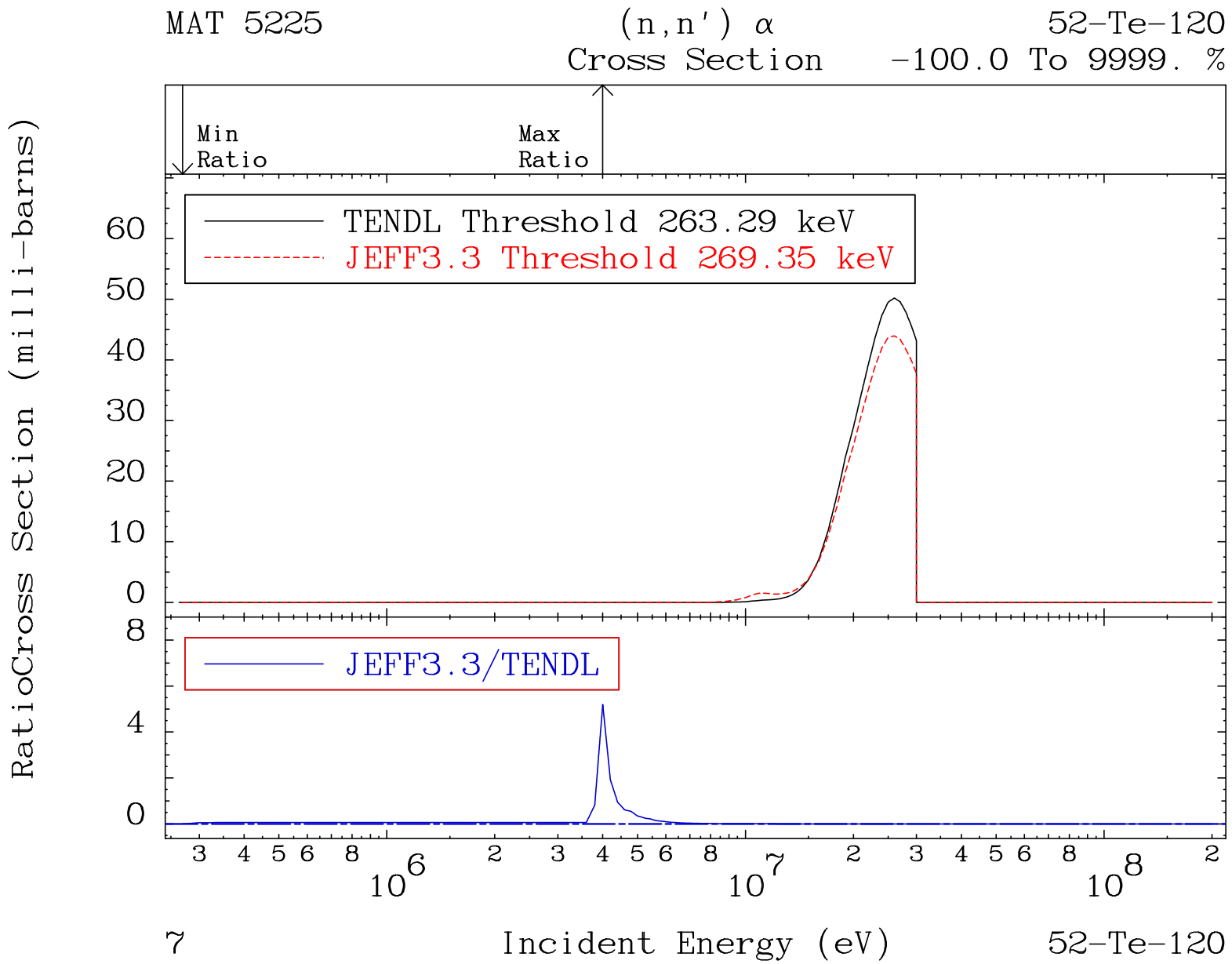

MAT 5225
Elastic
Cross Section
52-Te-120
-99.97 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-120

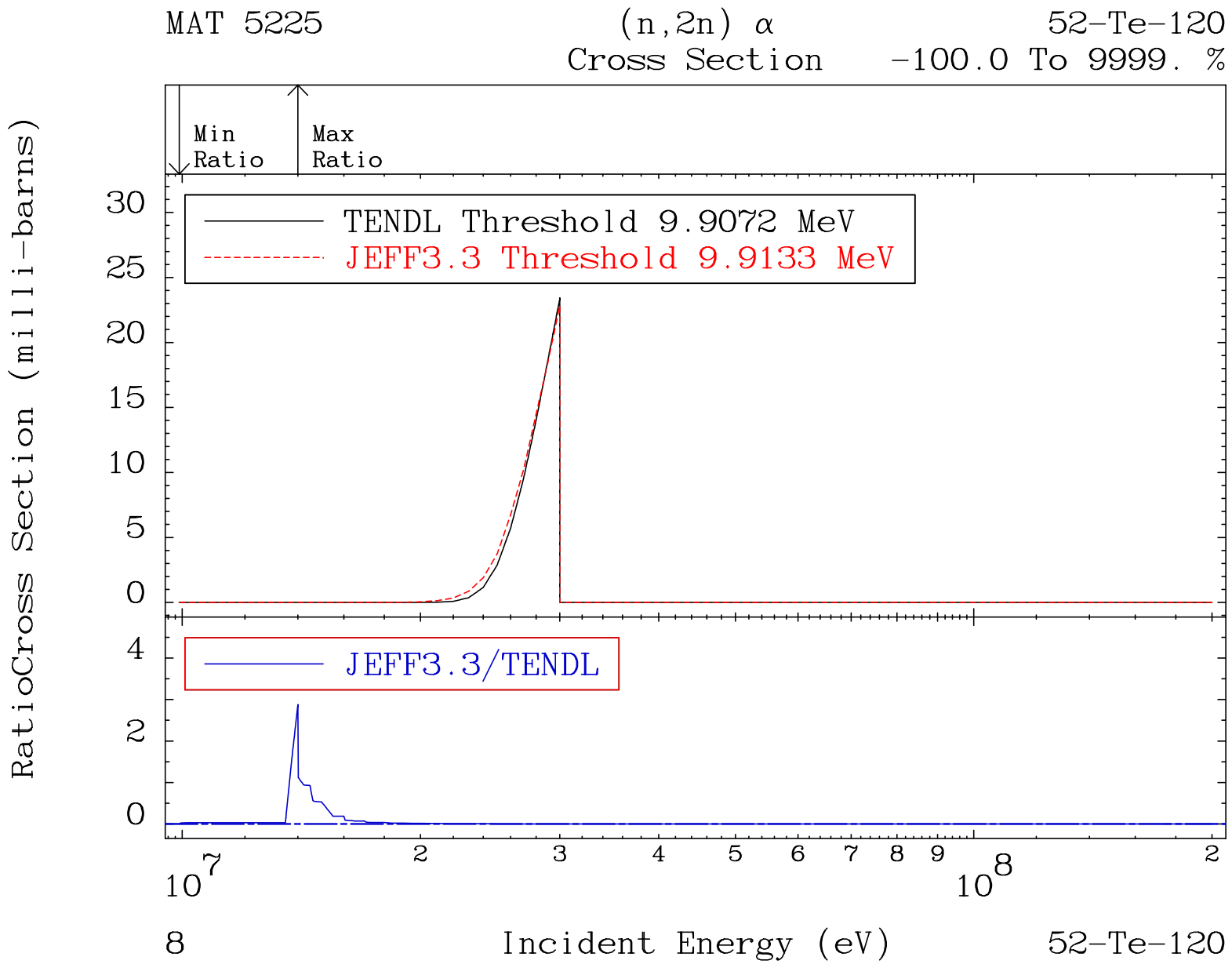

MAT 5225
Inelastic
Cross Section
52-Te-120
-100.0 To 37.37 %
Max
Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
52-Te-120

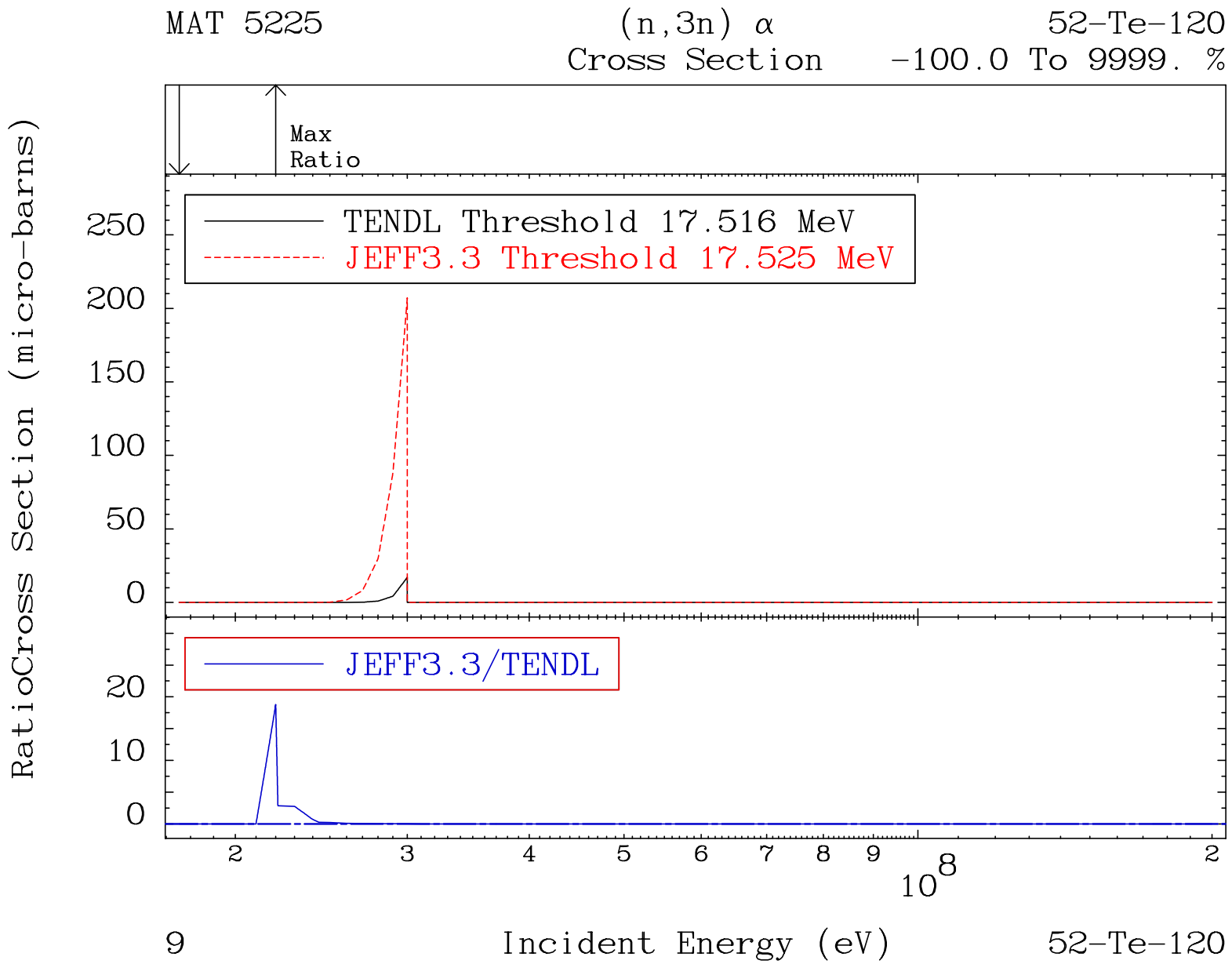

MAT 5225
(n,2n) d
Cross Section
52-Te-120
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 22.114 MeV
JEFF3.3 Threshold 22.120 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
1.0
0.0
20
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
52-Te-120

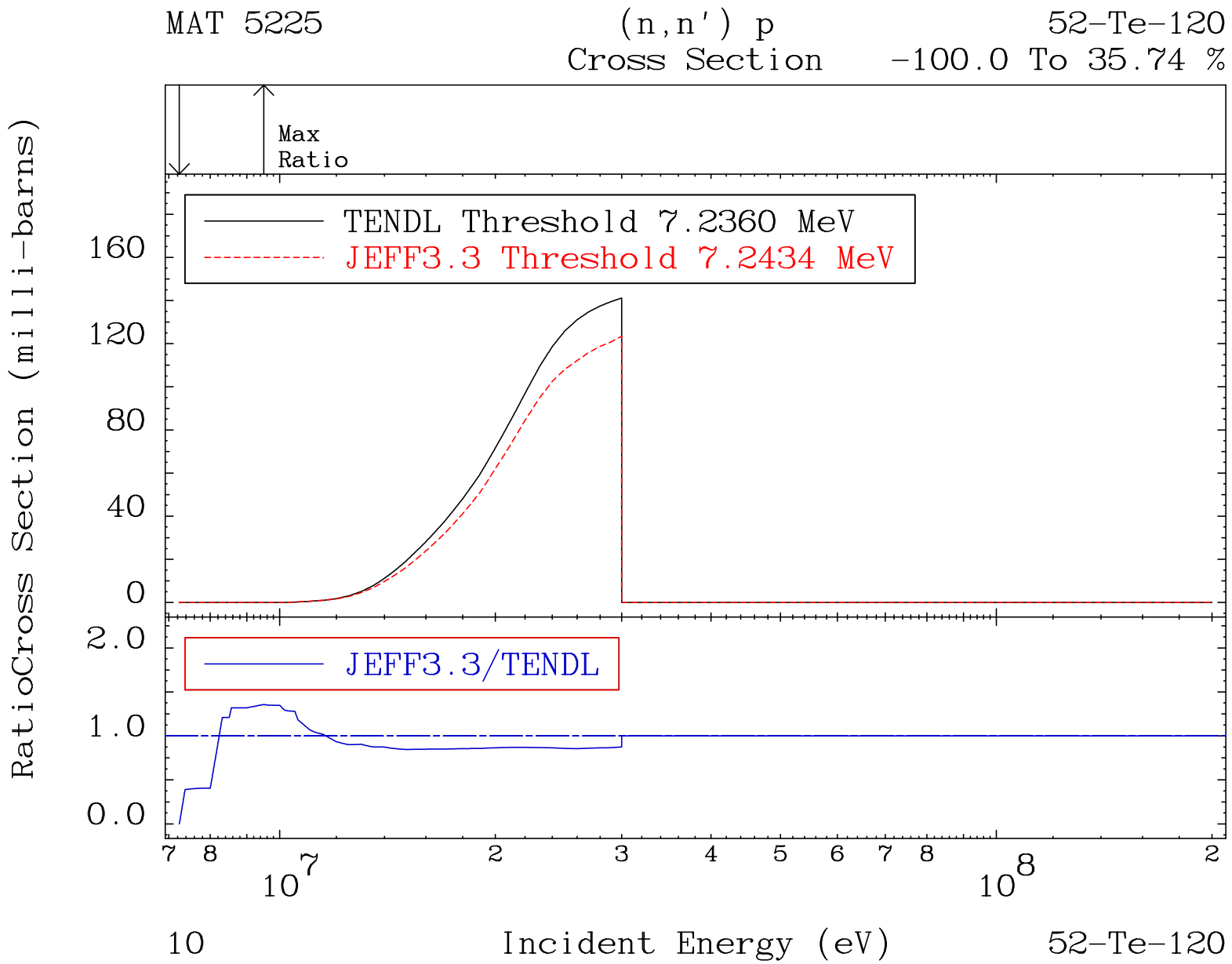

MAT 5225
(n,2n)
Cross Section
52-Te-120
-100.0 To 147.6 %
Max
Ratio
TENDL Threshold 10.337 MeV
JEFF3.3 Threshold 10.345 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-120

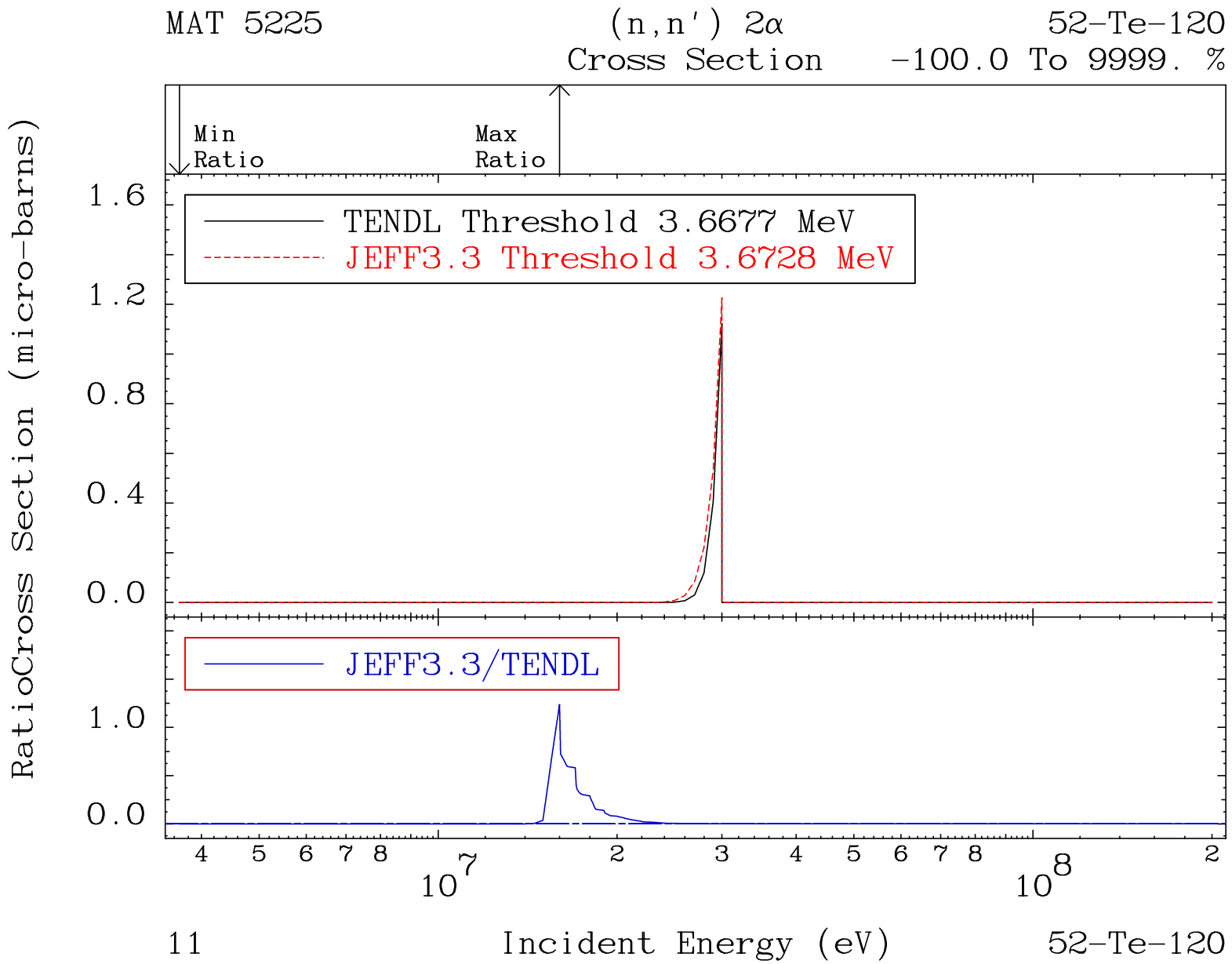

MAT 5225
(n,3n)
Cross Section
52-Te-120
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.964 MeV
JEFF3.3 Threshold 17.964 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-120

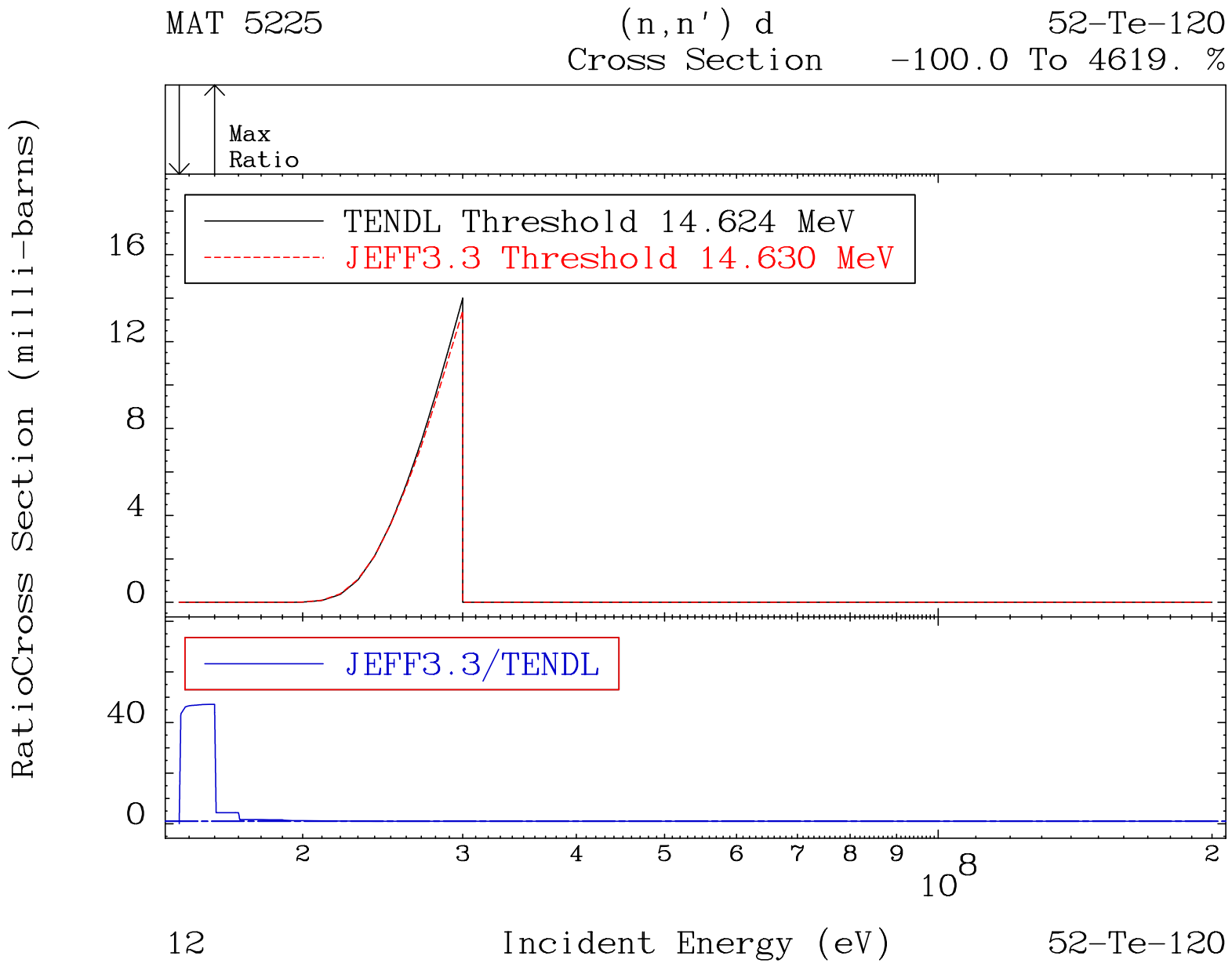

MAT 5225
(n,n') α
Cross Section
52-Te-120
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 263.29 keV
JEFF3.3 Threshold 269.35 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-120
7

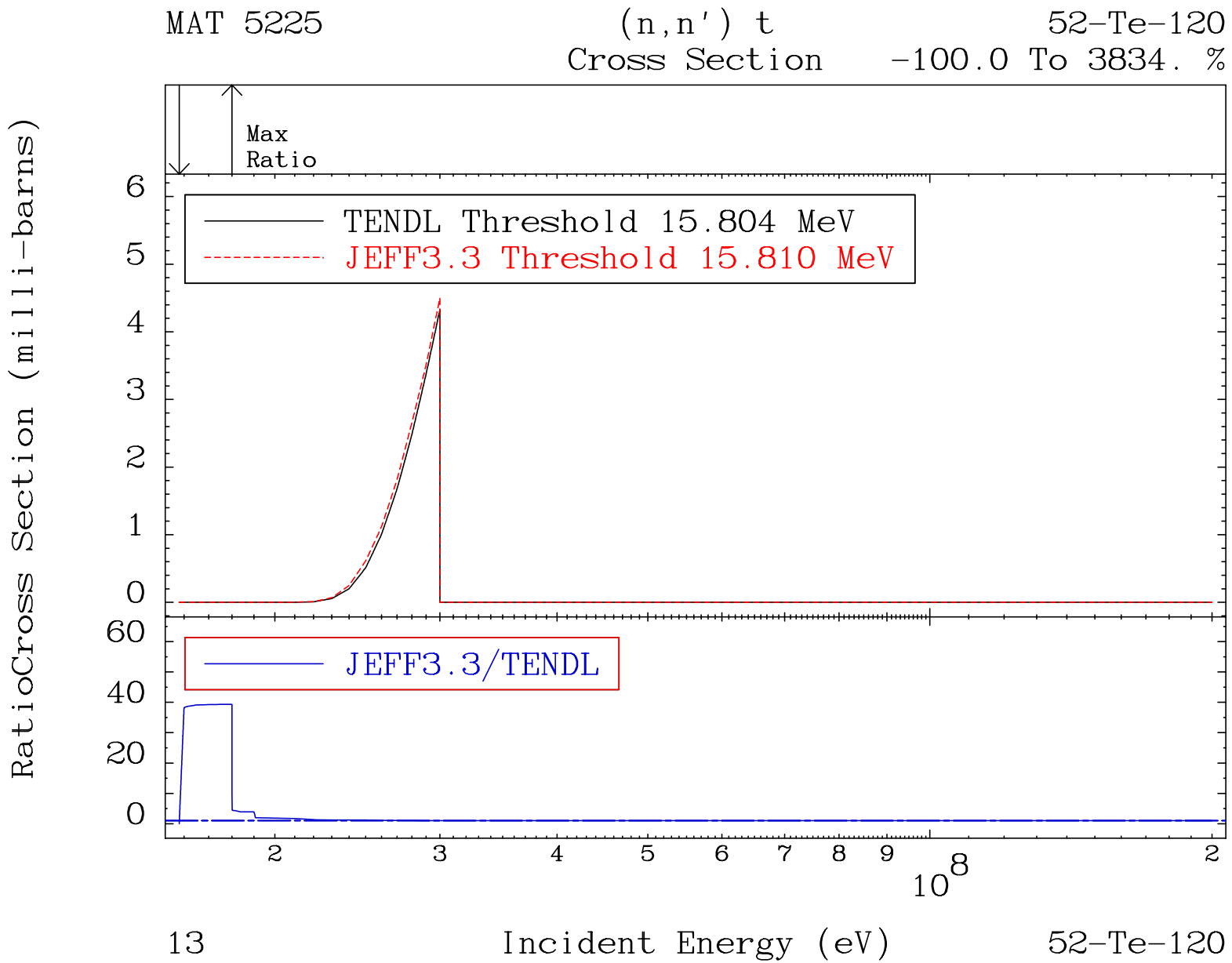

MAT 5225
(n,2n) α
52-Te-120
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.9072 MeV
JEFF3.3 Threshold 9.9133 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
52-Te-120

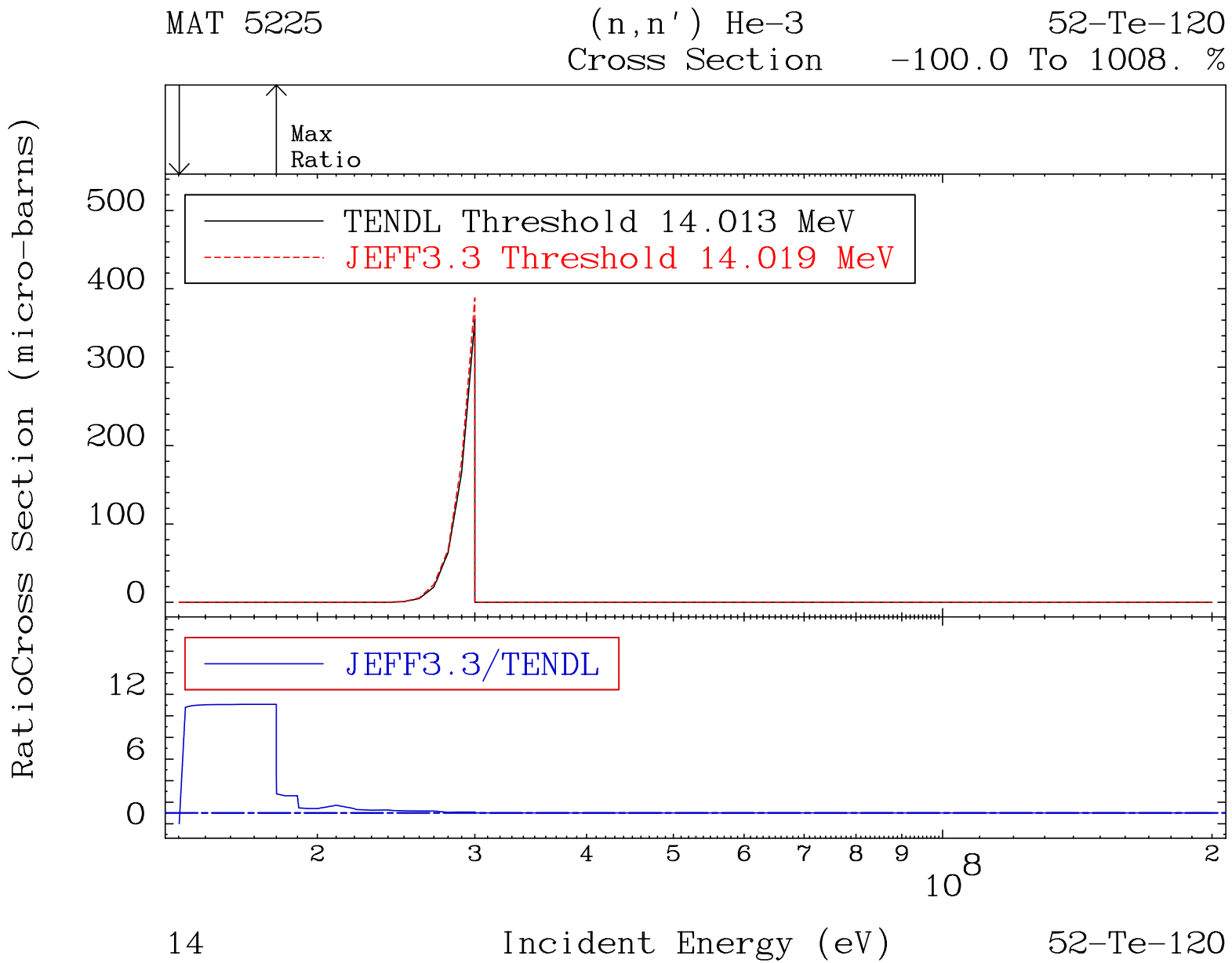

MAT 5225
(n,3n) α
52-Te-120
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.516 MeV
JEFF3.3 Threshold 17.525 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
9
Incident Energy (eV)
52-Te-120

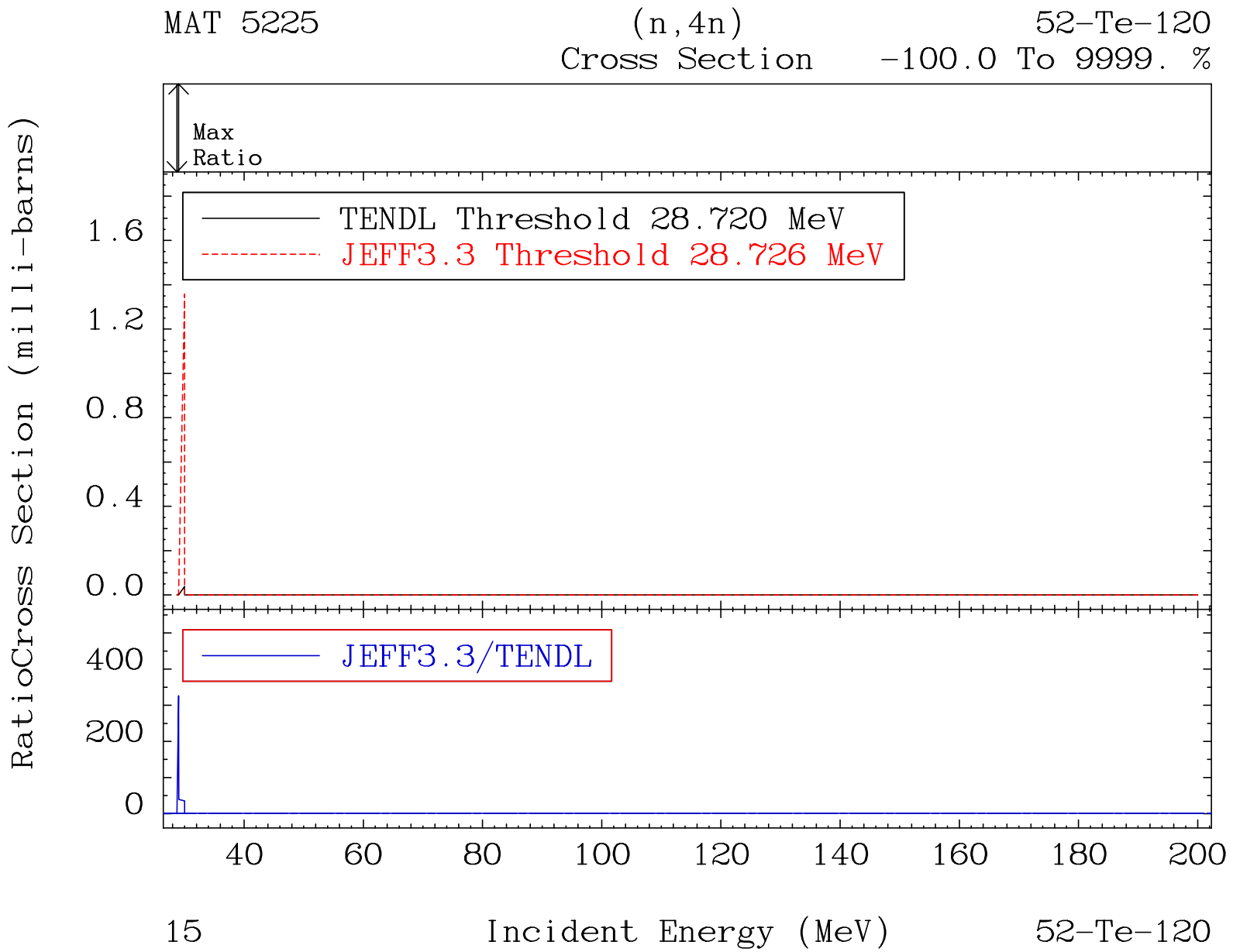

MAT 5225
(n,n') p
Cross Section
52-Te-120
-100.0 To 35.74 %
Max
Ratio
TENDL Threshold 7.2360 MeV
JEFF3.3 Threshold 7.2434 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
52-Te-120

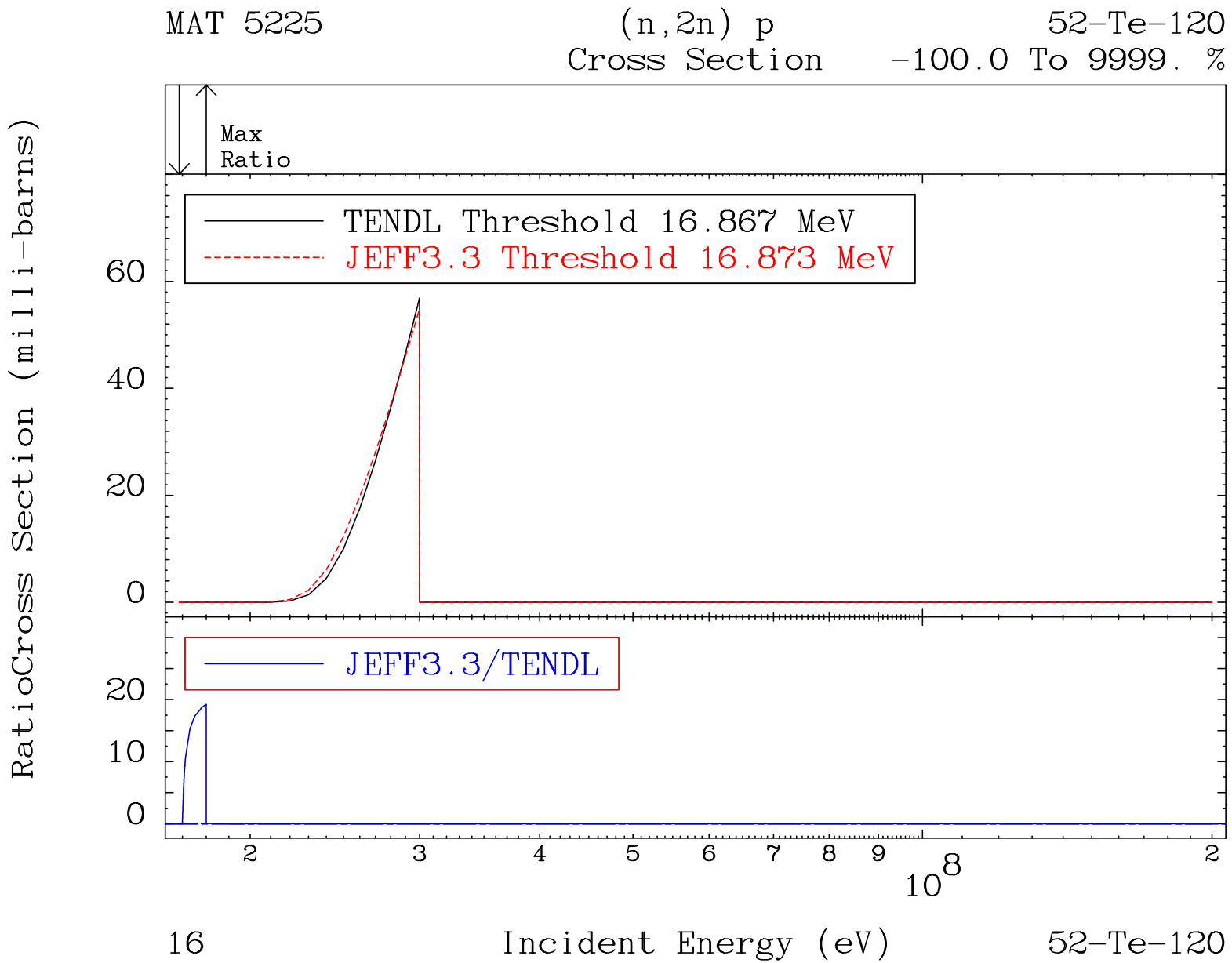

MAT 5225
(n,n') 2α
52-Te-120
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6677 MeV
JEFF3.3 Threshold 3.6728 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.6
1.2
0.8
0.4
0.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
52-Te-120

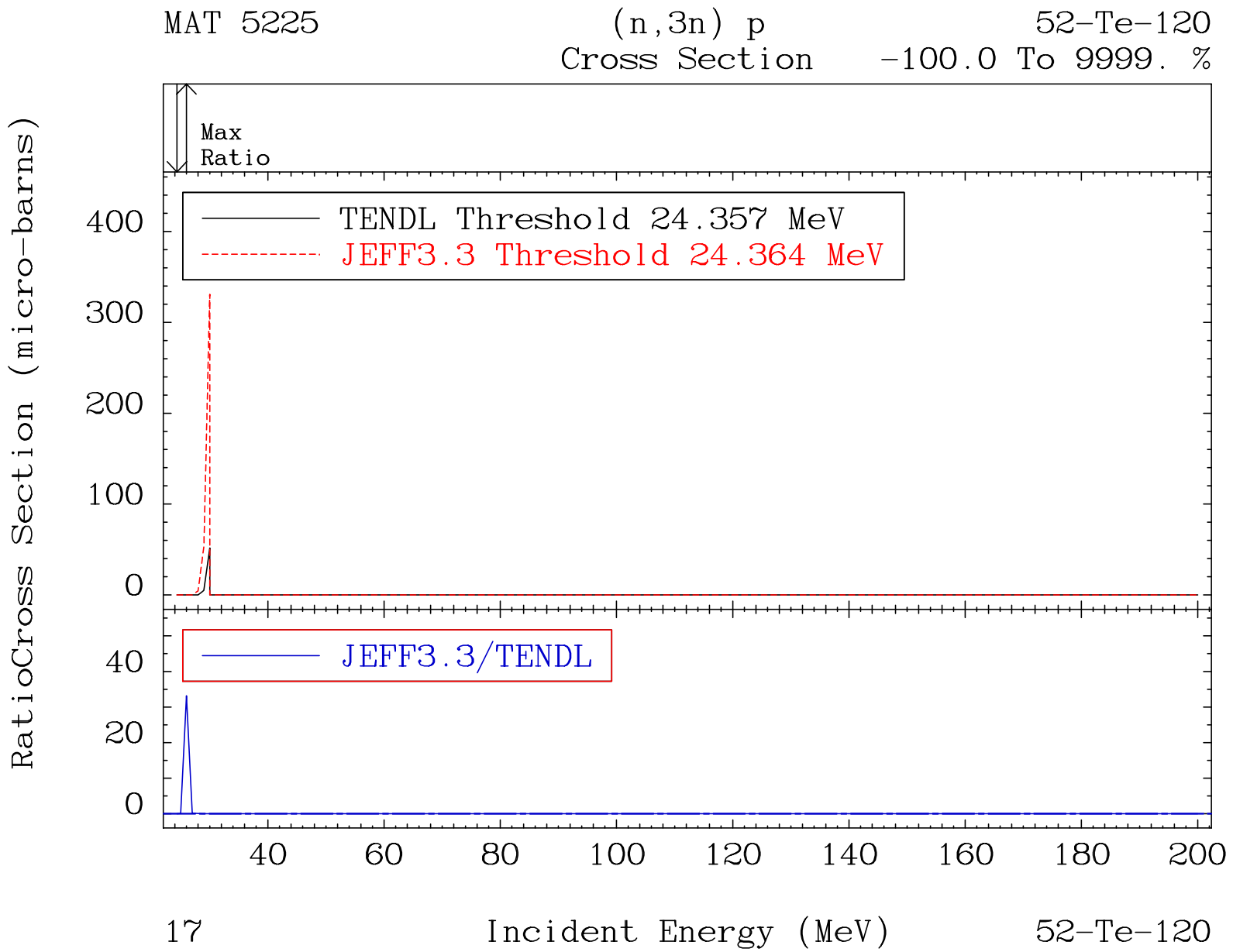

MAT 5225
(n,n') d
Cross Section
52-Te-120
-100.0 To 4619. %
Max
Ratio
TENDL Threshold 14.624 MeV
JEFF3.3 Threshold 14.630 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
40
0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
52-Te-120

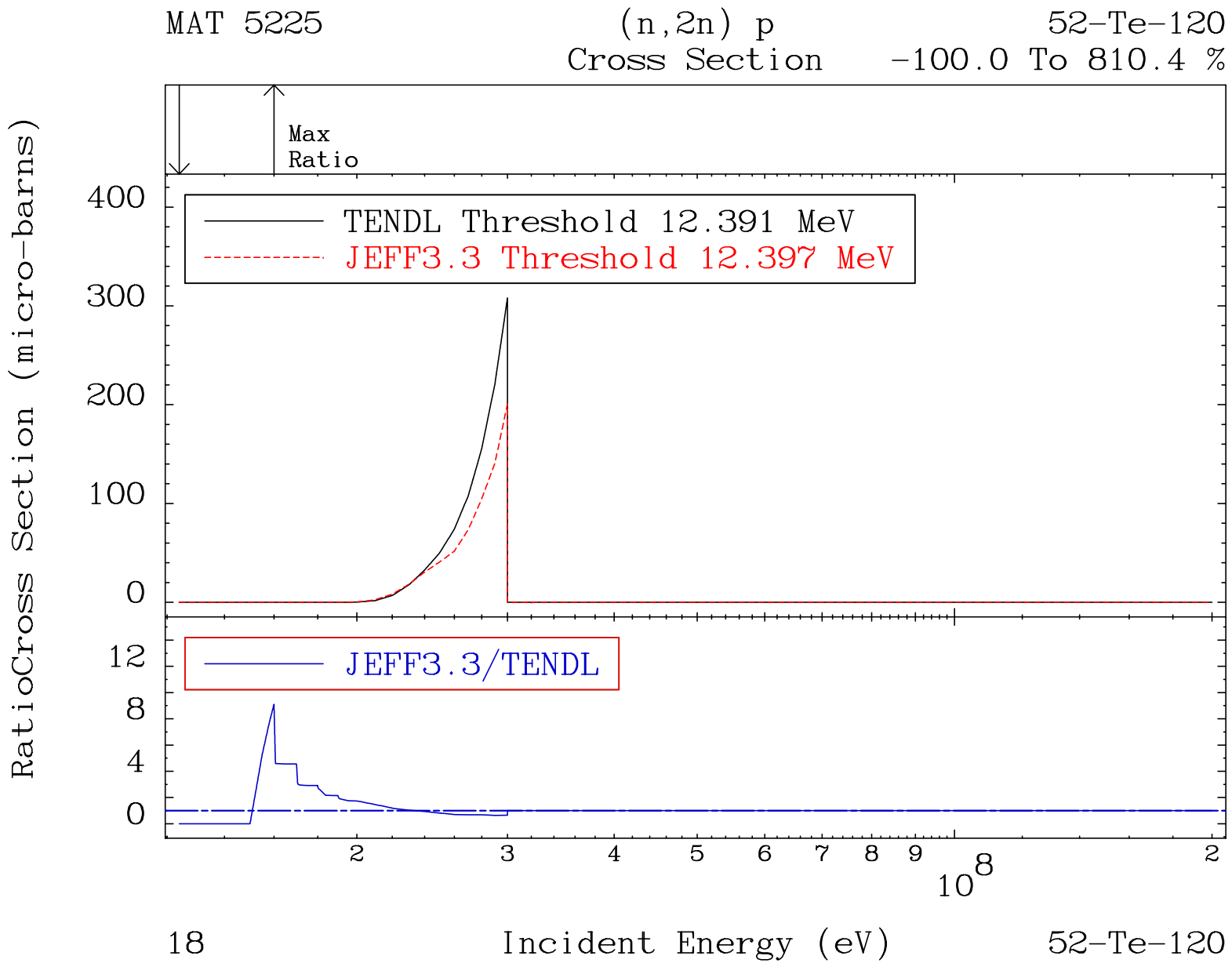

MAT 5225
(n,n') t
Cross Section
52-Te-120
-100.0 To 3834. %
Max
Ratio
TENDL Threshold 15.804 MeV
JEFF3.3 Threshold 15.810 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
52-Te-120

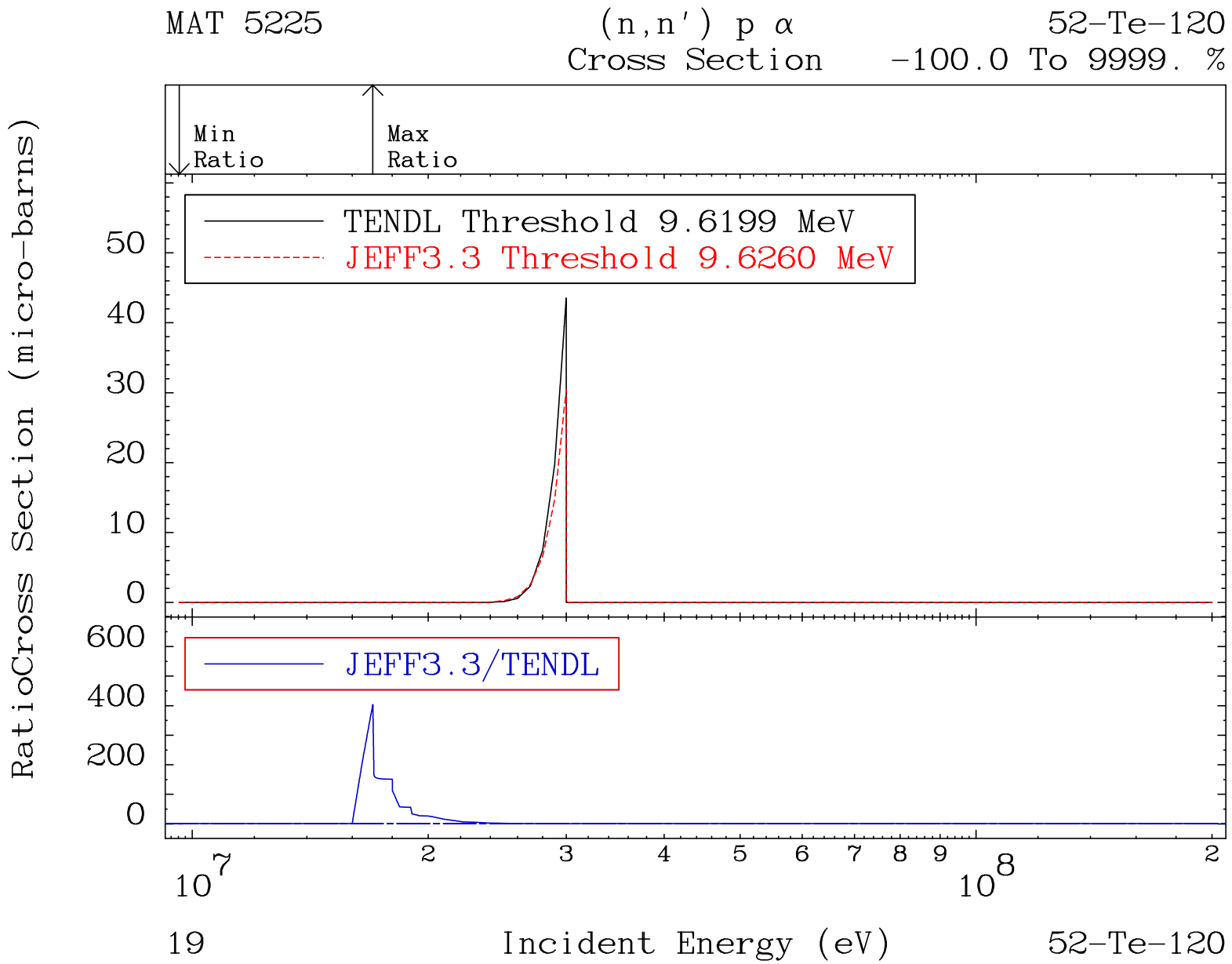

MAT 5225
(n,n') He-3
Cross Section
52-Te-120
-100.0 To 1008. %
Max
Ratio
TENDL Threshold 14.013 MeV
JEFF3.3 Threshold 14.019 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
52-Te-120

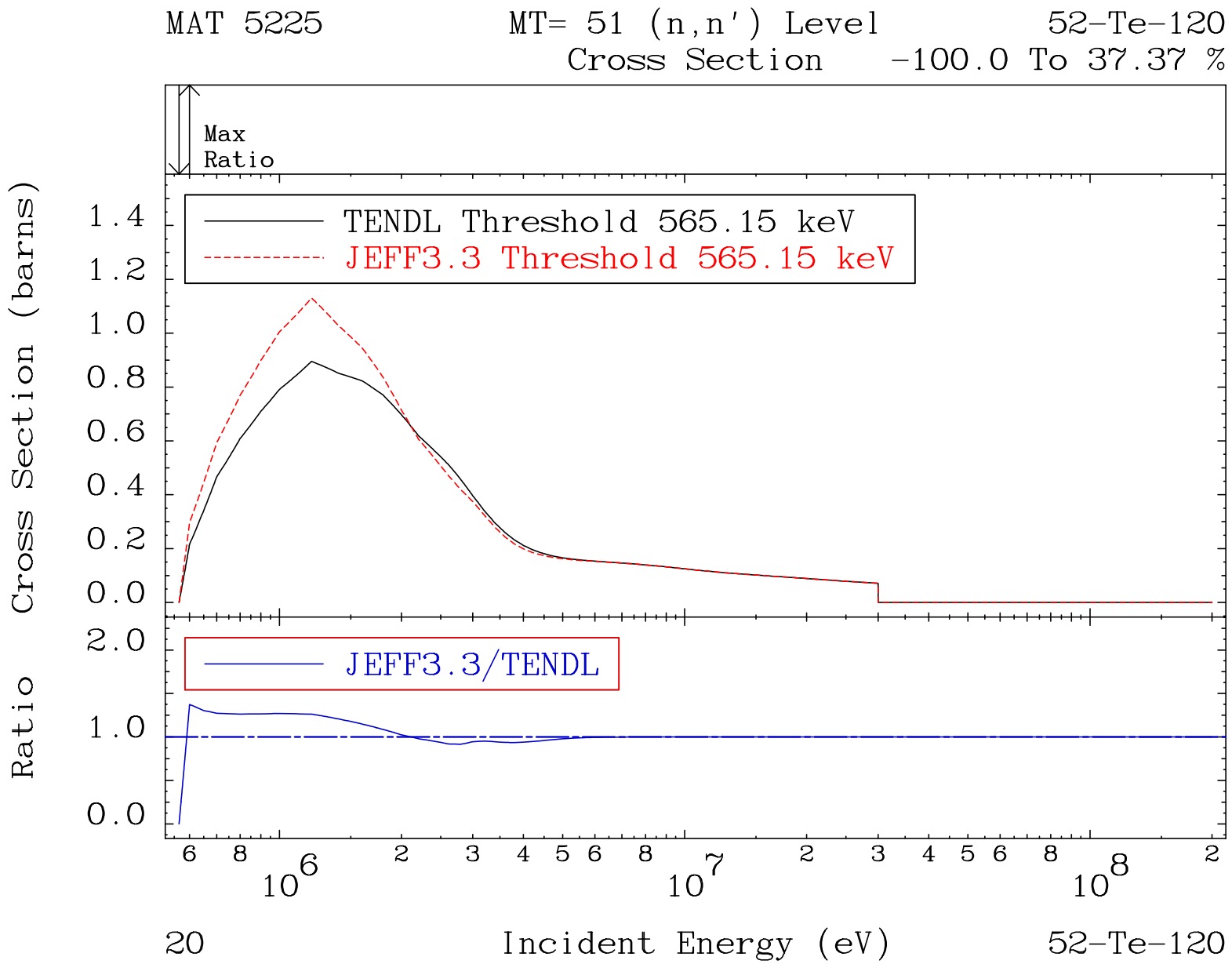

MAT 5225
(n,4n)
52-Te-120
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 28.720 MeV
JEFF3.3 Threshold 28.726 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
400
200
0
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
52-Te-120

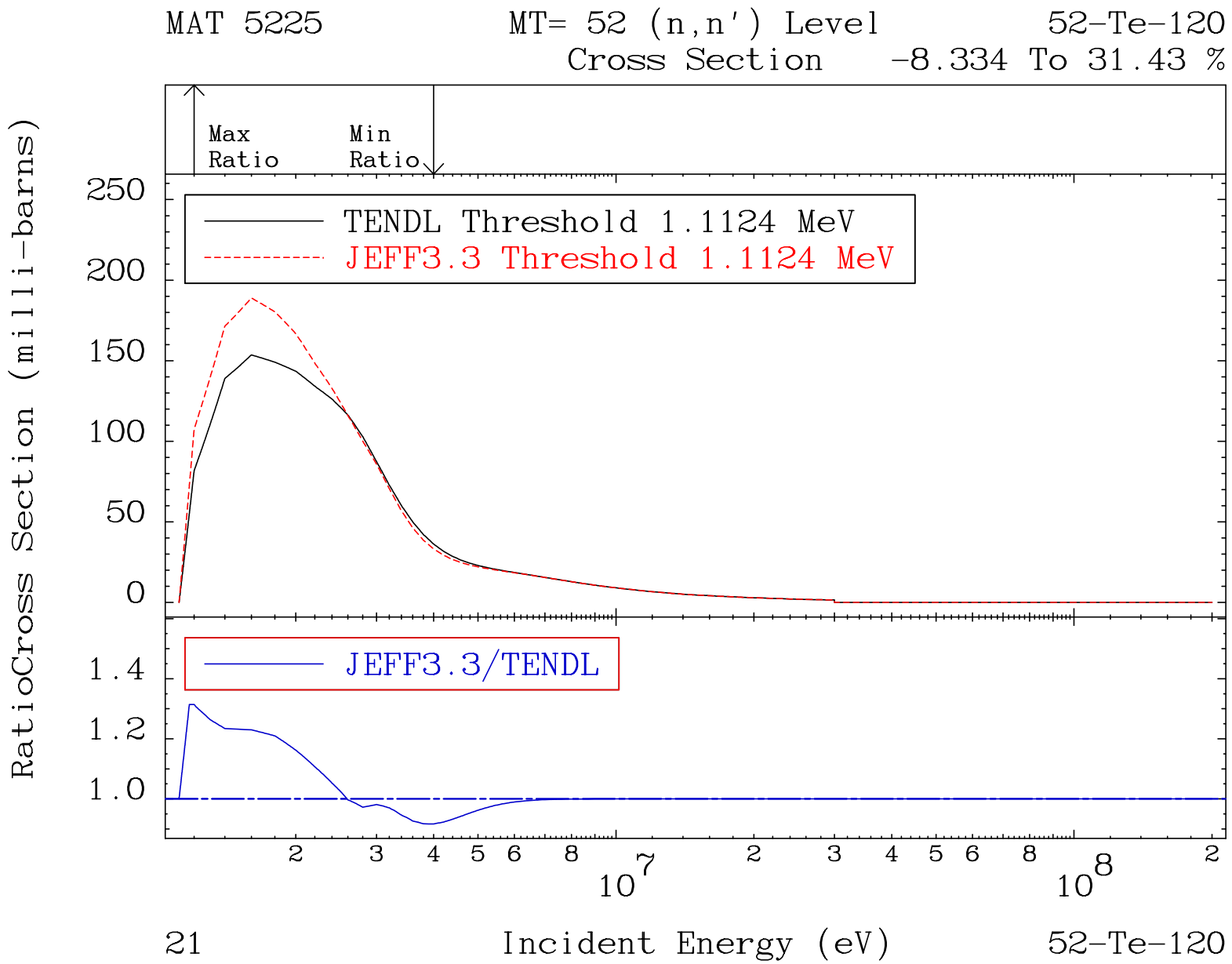

MAT 5225
(n,2n) p
Cross Section
52-Te-120
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 16.867 MeV
JEFF3.3 Threshold 16.873 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
52-Te-120

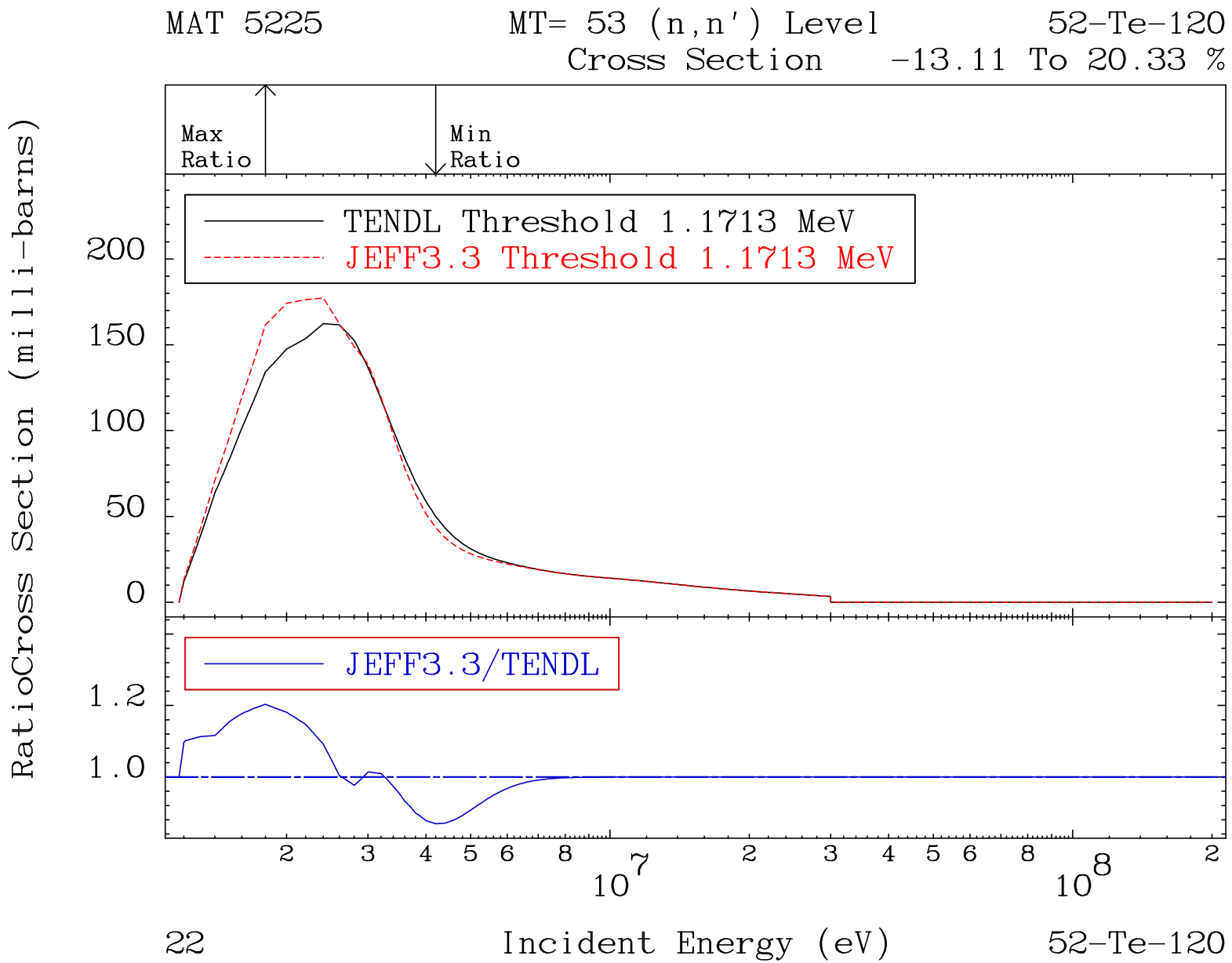

MAT 5225
(n,3n) p
Cross Section
52-Te-120
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 24.357 MeV
JEFF3.3 Threshold 24.364 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
40
20
0
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
52-Te-120

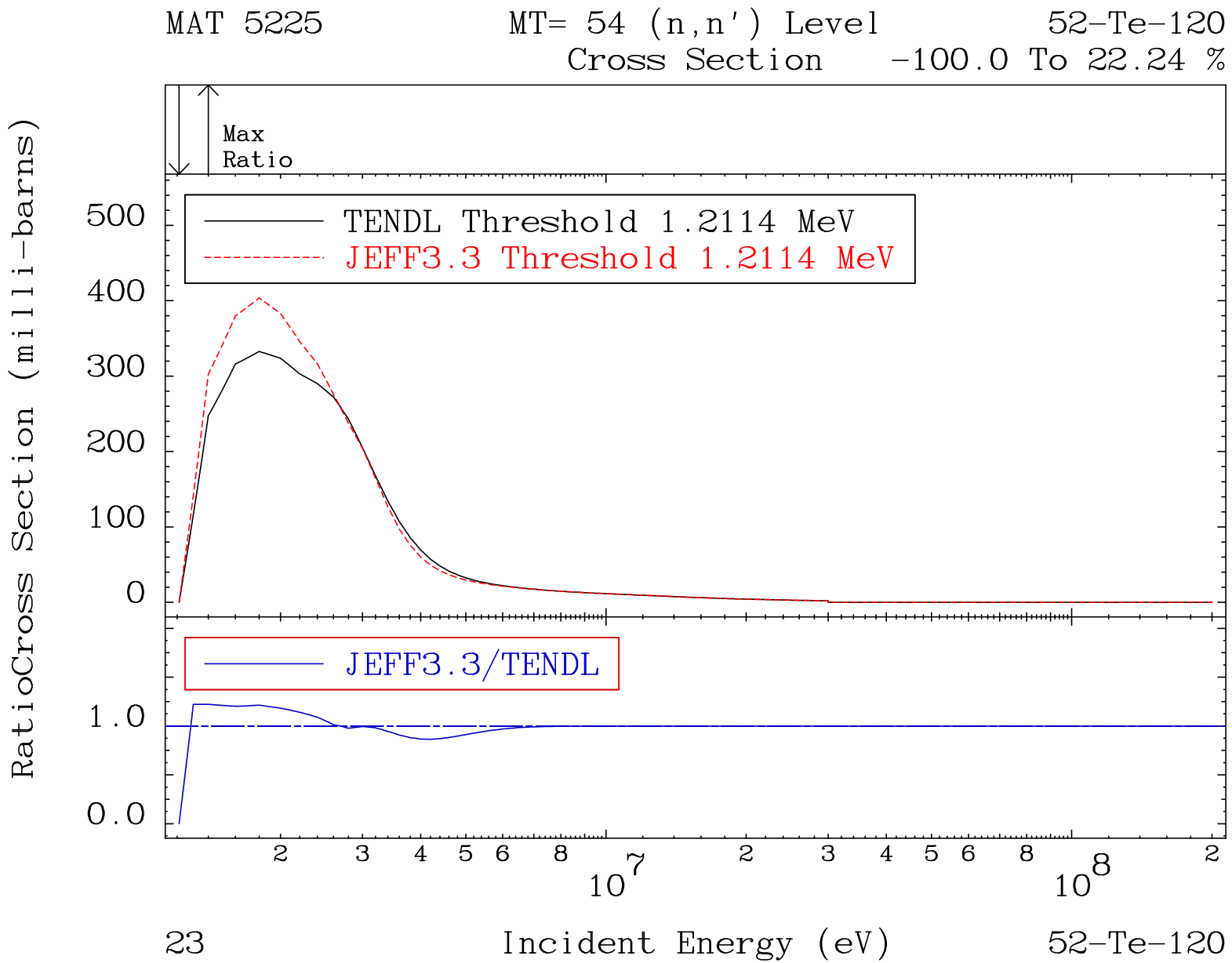

MAT 5225
(n,2n) p
Cross Section
52-Te-120
-100.0 To 810.4 %
Max
Ratio
TENDL Threshold 12.391 MeV
JEFF3.3 Threshold 12.397 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
12
8
4
0
2
3
4
5
6
7
8
9
2
10^8
18
Incident Energy (eV)
52-Te-120

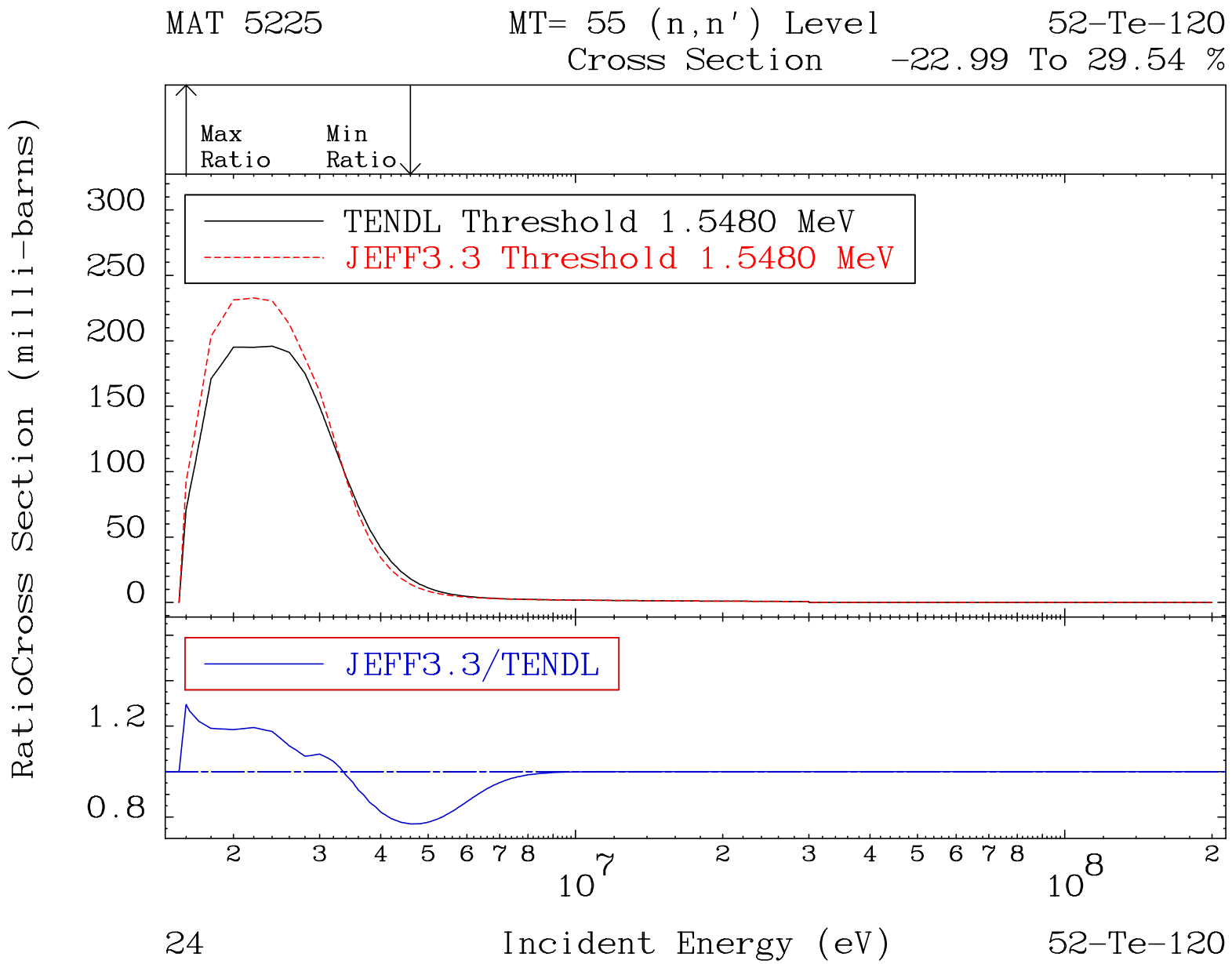

MAT 5225
(n,n') p α
52-Te-120
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.6199 MeV
JEFF3.3 Threshold 9.6260 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
50
40
30
20
10
0
600
400
200
0
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
52-Te-120

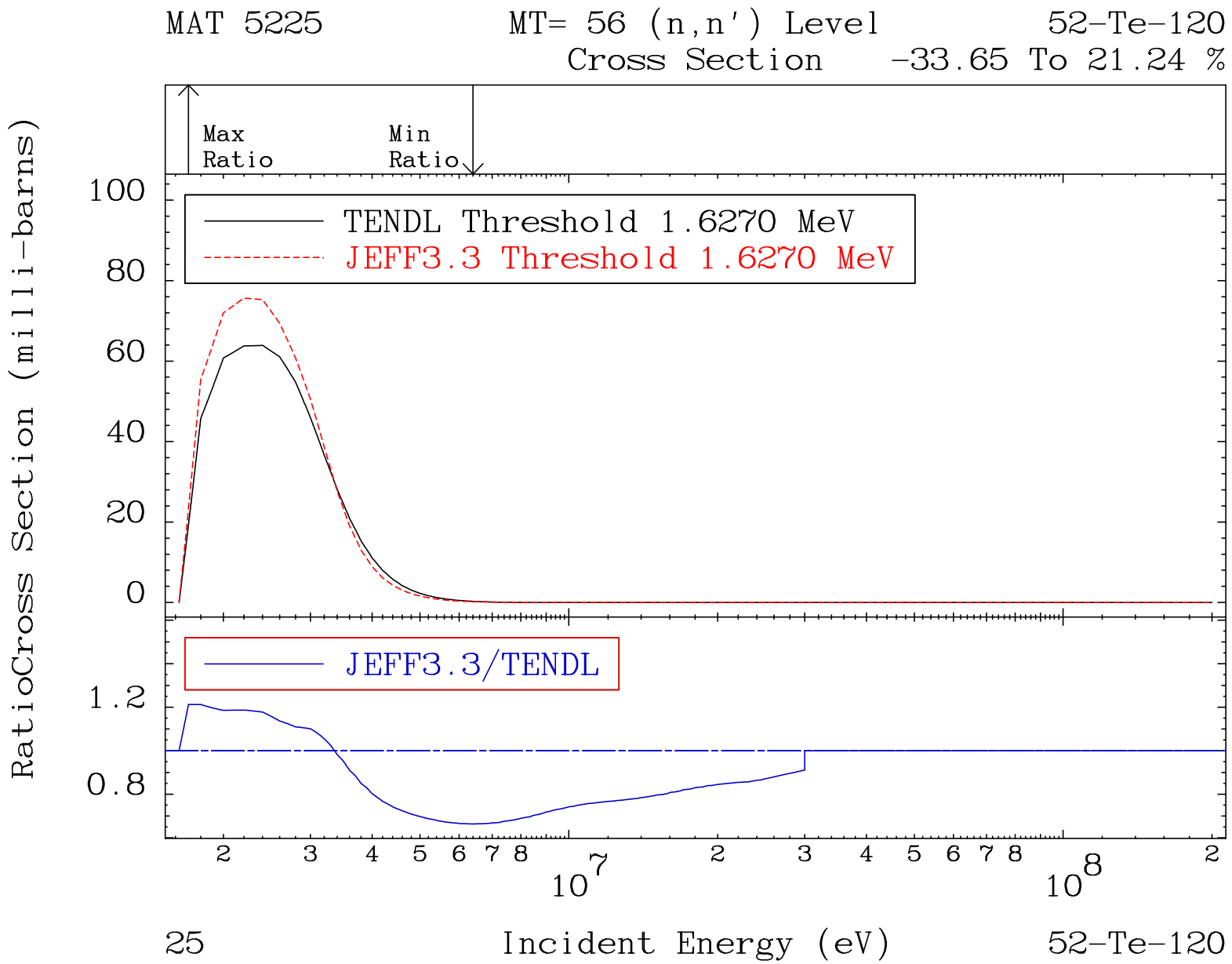

MAT 5225
MT= 51 (n,n') Level
52-Te-120
Cross Section
-100.0 To 37.37 %
Max
Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
20
52-Te-120

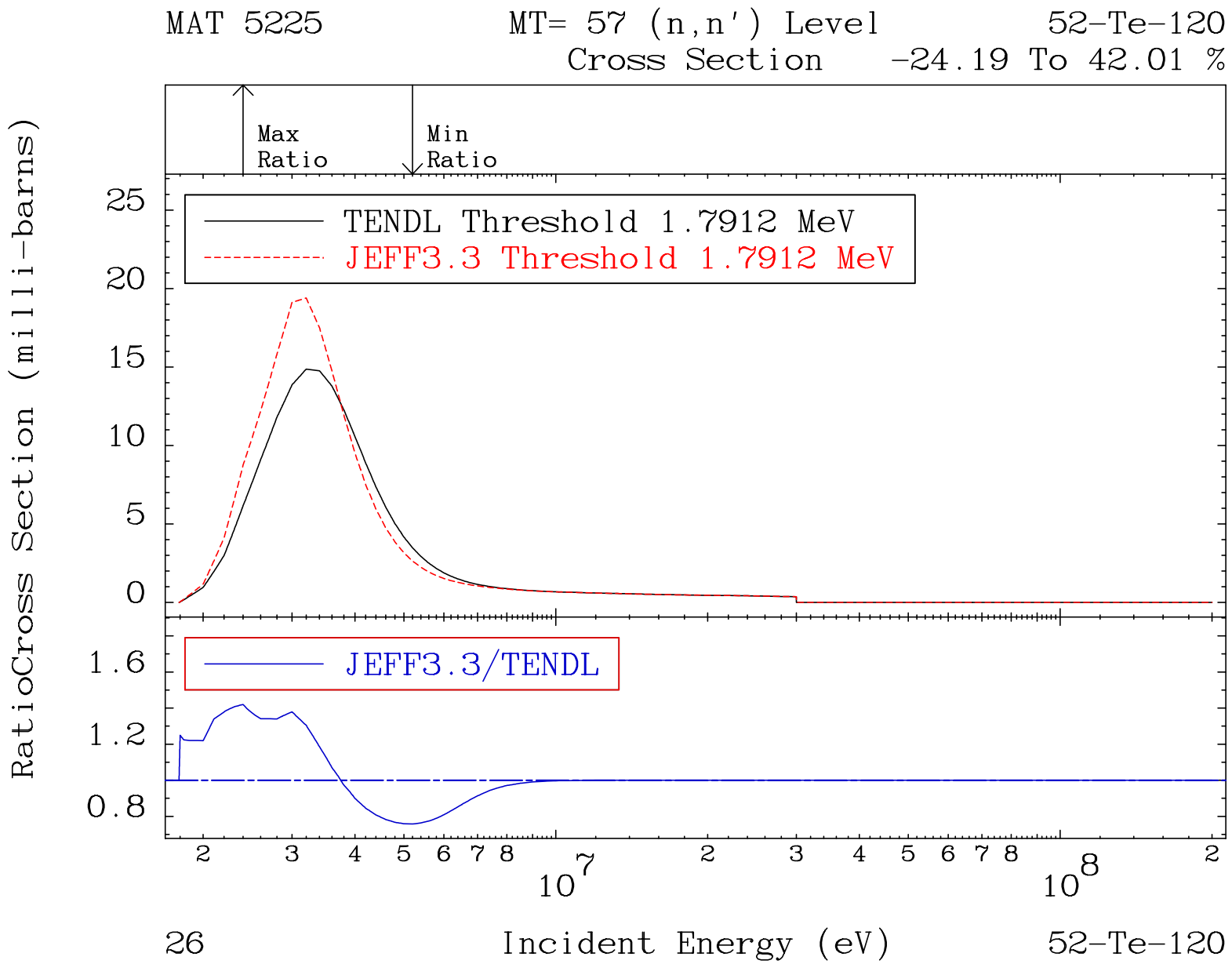

MAT 5225
MT= 52 (n,n') Level
52-Te-120
Cross Section
-8.334 To 31.43 %
Max Ratio
Min Ratio
TENDL Threshold 1.1124 MeV
JEFF3.3 Threshold 1.1124 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.4
1.2
1.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
52-Te-120

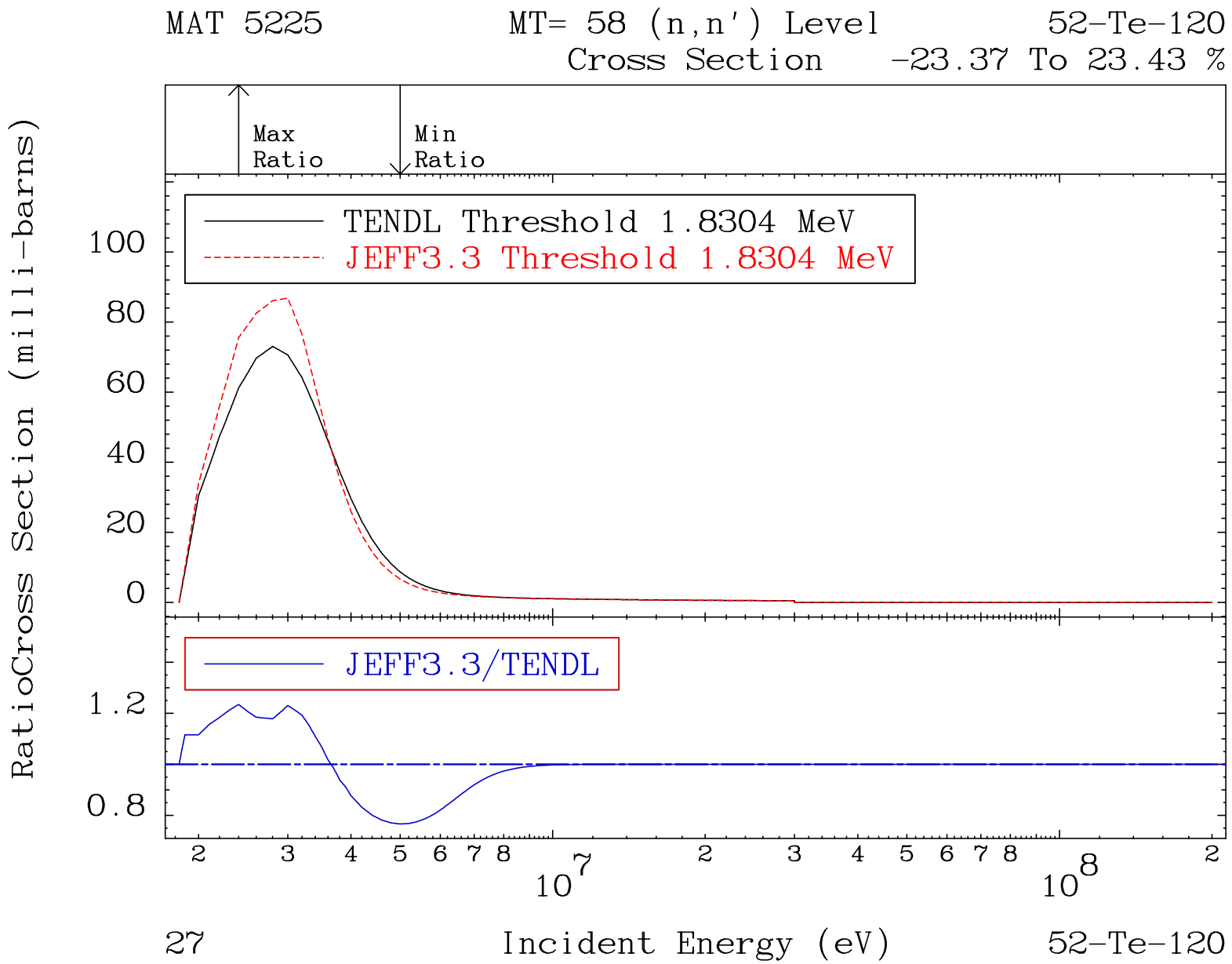

MAT 5225
MT= 53 (n,n') Level
52-Te-120
Cross Section -13.11 To 20.33 %
Max Ratio
Min Ratio
TENDL Threshold 1.1713 MeV
JEFF3.3 Threshold 1.1713 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
1.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
52-Te-120

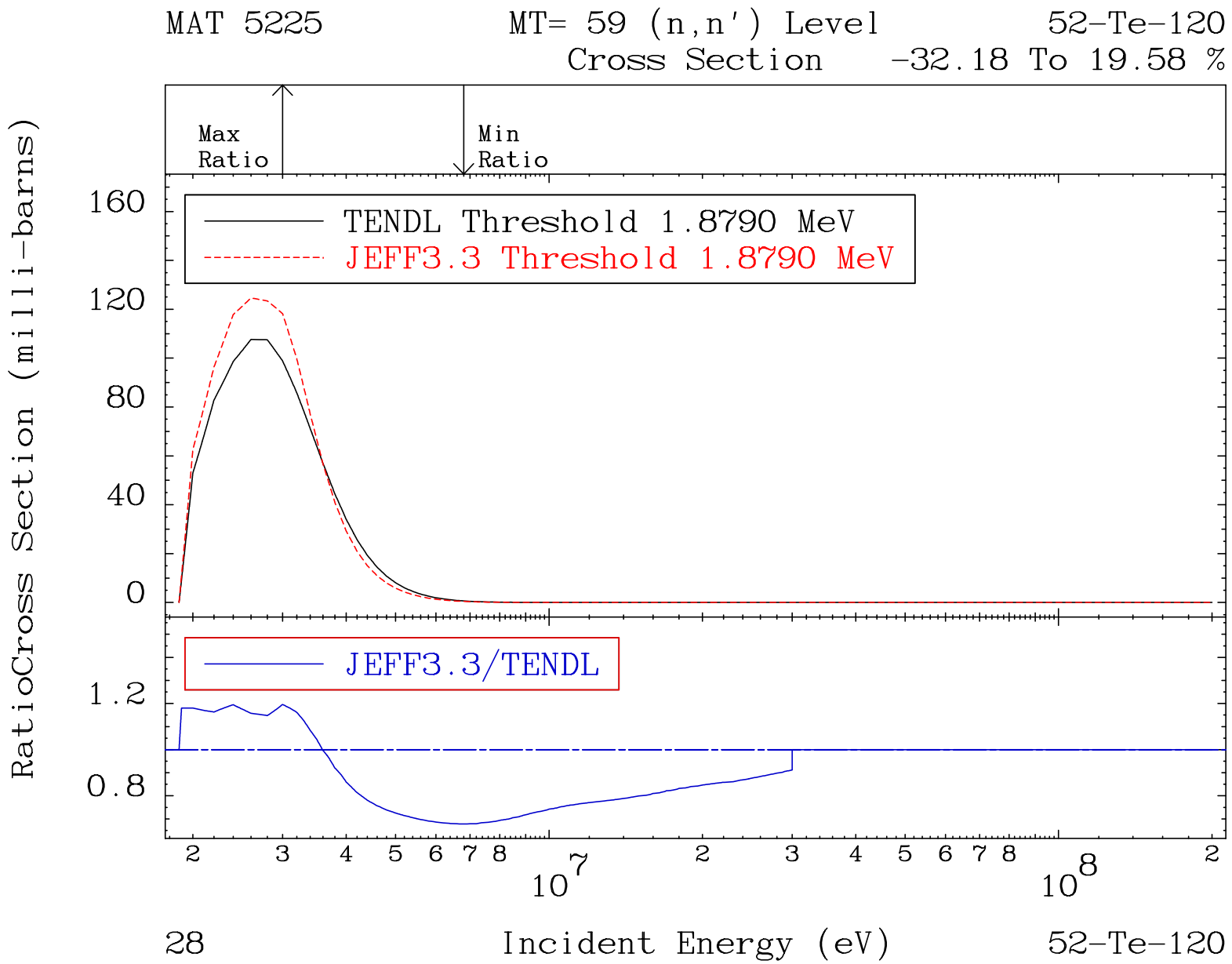

MAT 5225
MT= 54 (n,n') Level
52-Te-120
Cross Section
-100.0 To 22.24 %
Max
Ratio
TENDL Threshold 1.2114 MeV
JEFF3.3 Threshold 1.2114 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
23
Incident Energy (eV)
52-Te-120

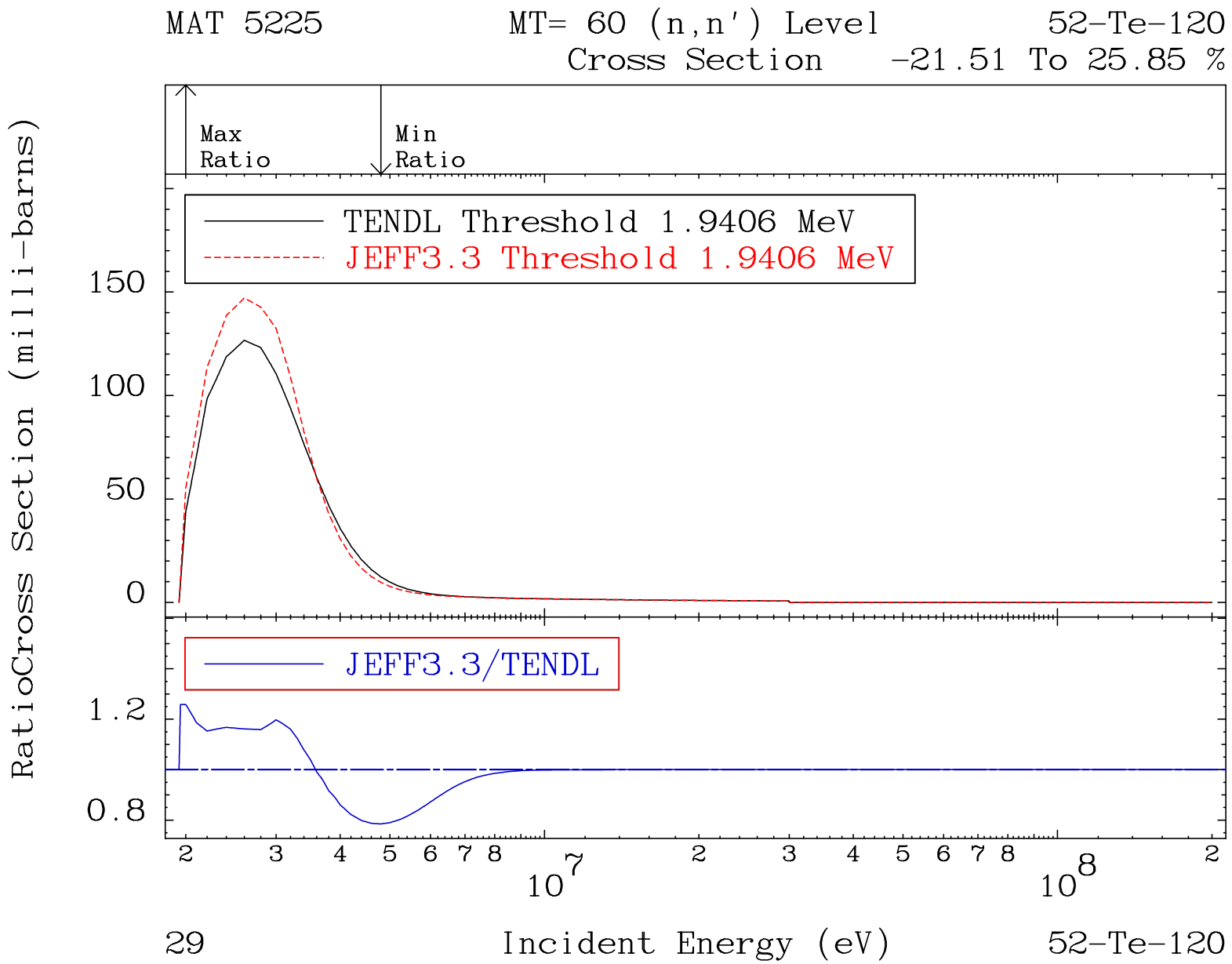

MAT 5225
MT= 55 (n,n') Level
52-Te-120
Cross Section
-22.99 To 29.54 %
Max Ratio
Min Ratio
TENDL Threshold 1.5480 MeV
JEFF3.3 Threshold 1.5480 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
52-Te-120

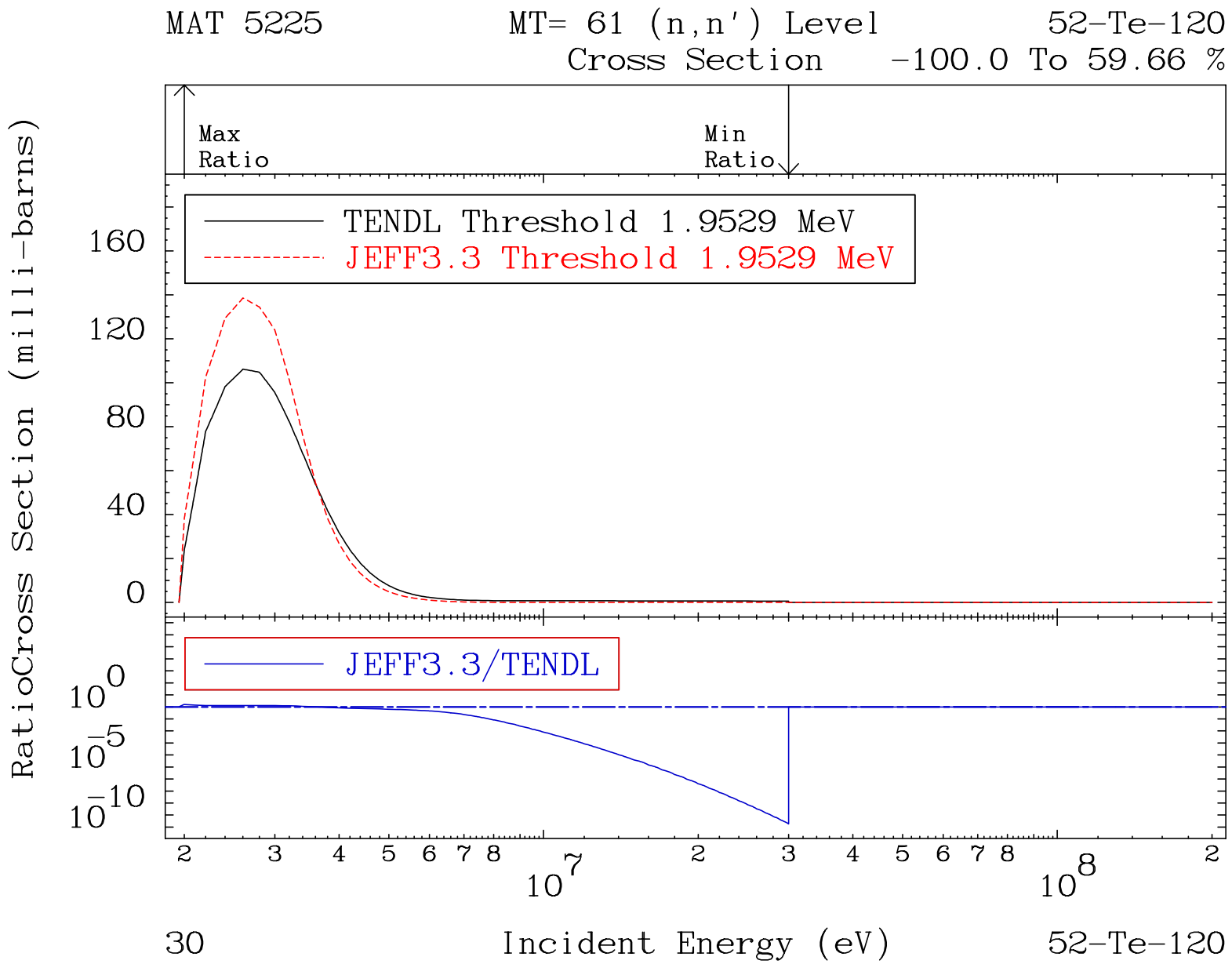

MAT 5225
MT= 56 (n,n') Level
52-Te-120
Cross Section
-33.65 To 21.24 %
Max Ratio
Min Ratio
TENDL Threshold 1.6270 MeV
JEFF3.3 Threshold 1.6270 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
52-Te-120

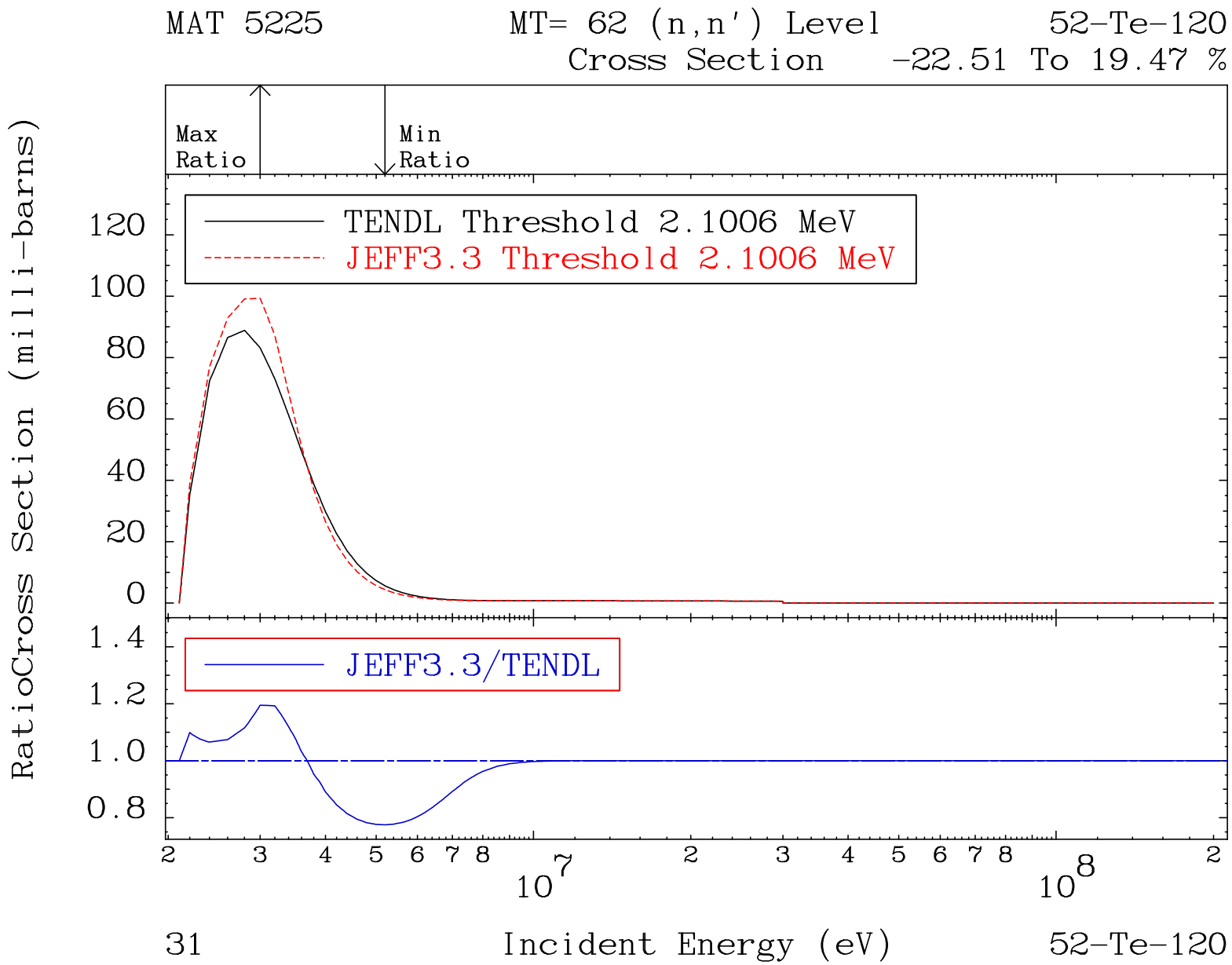

MAT 5225
MT= 57 (n,n') Level
52-Te-120
Cross Section
-24.19 To 42.01 %
Max Ratio
Min Ratio
TENDL Threshold 1.7912 MeV
JEFF3.3 Threshold 1.7912 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.6
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
52-Te-120

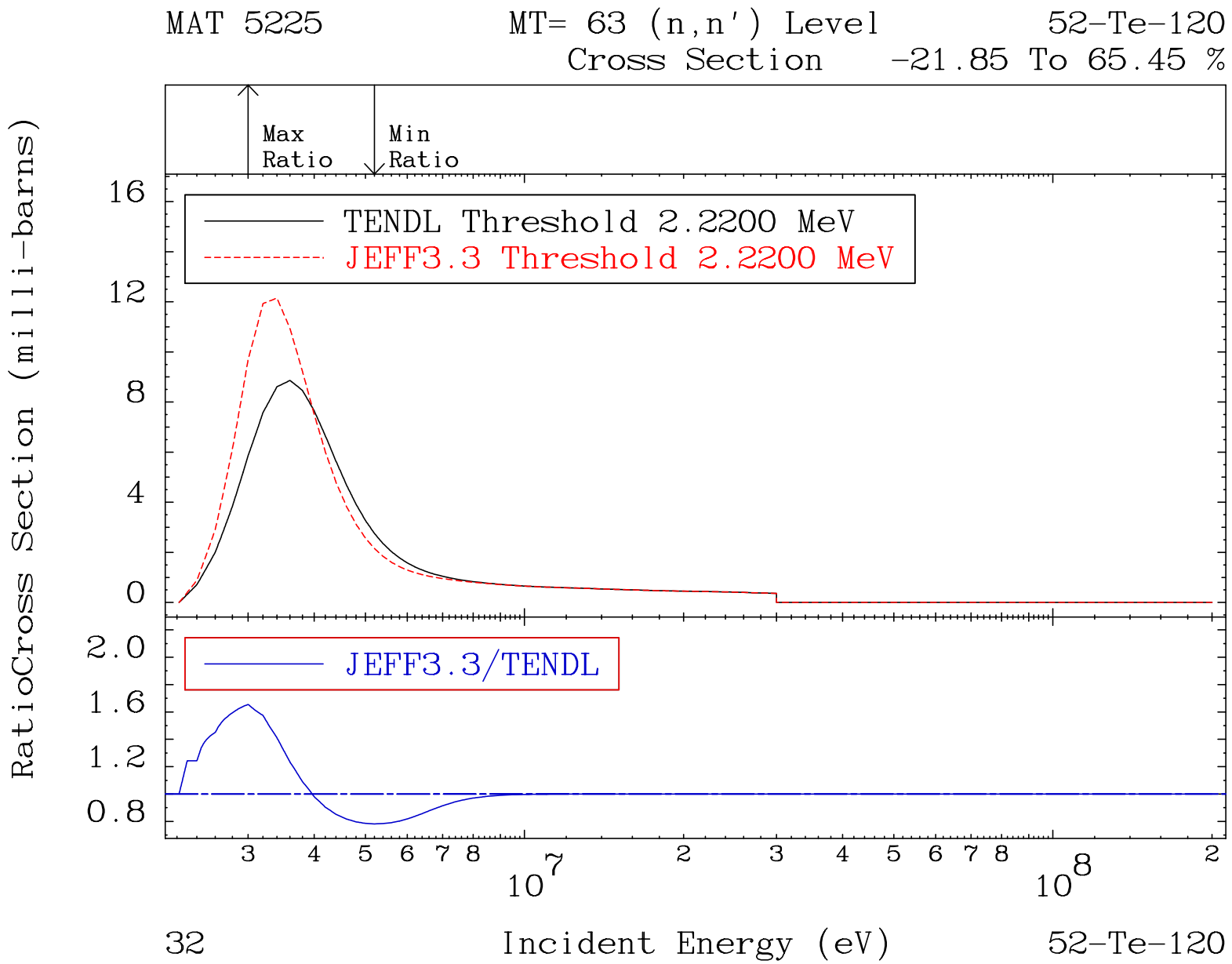

MAT 5225
MT= 58 (n,n') Level
52-Te-120
Cross Section
-23.37 To 23.43 %
Max Ratio
Min Ratio
TENDL Threshold 1.8304 MeV
JEFF3.3 Threshold 1.8304 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
52-Te-120

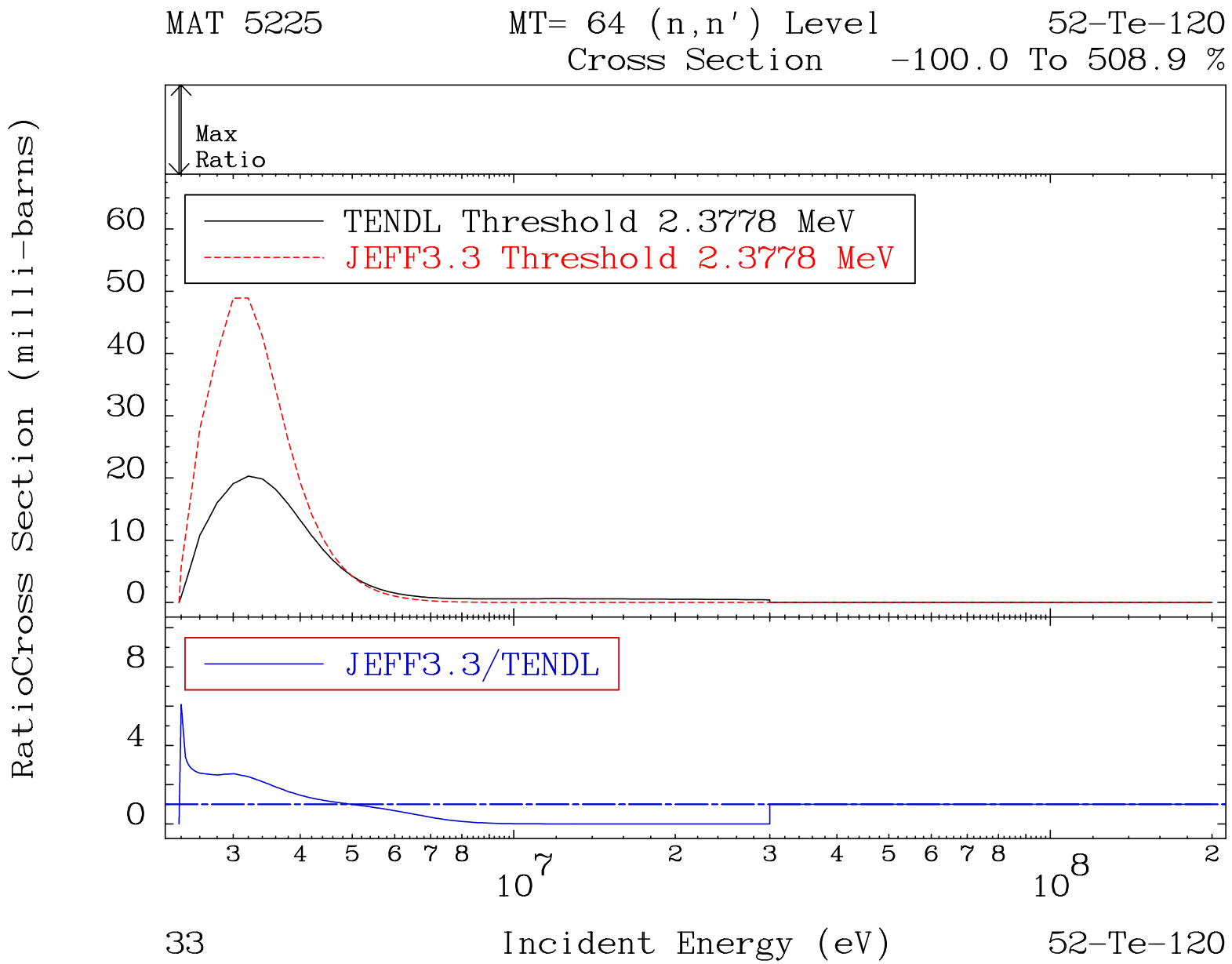

MAT 5225
MT= 59 (n,n') Level
52-Te-120
Cross Section
-32.18 To 19.58 %
Max Ratio
Min Ratio
TENDL Threshold 1.8790 MeV
JEFF3.3 Threshold 1.8790 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
52-Te-120

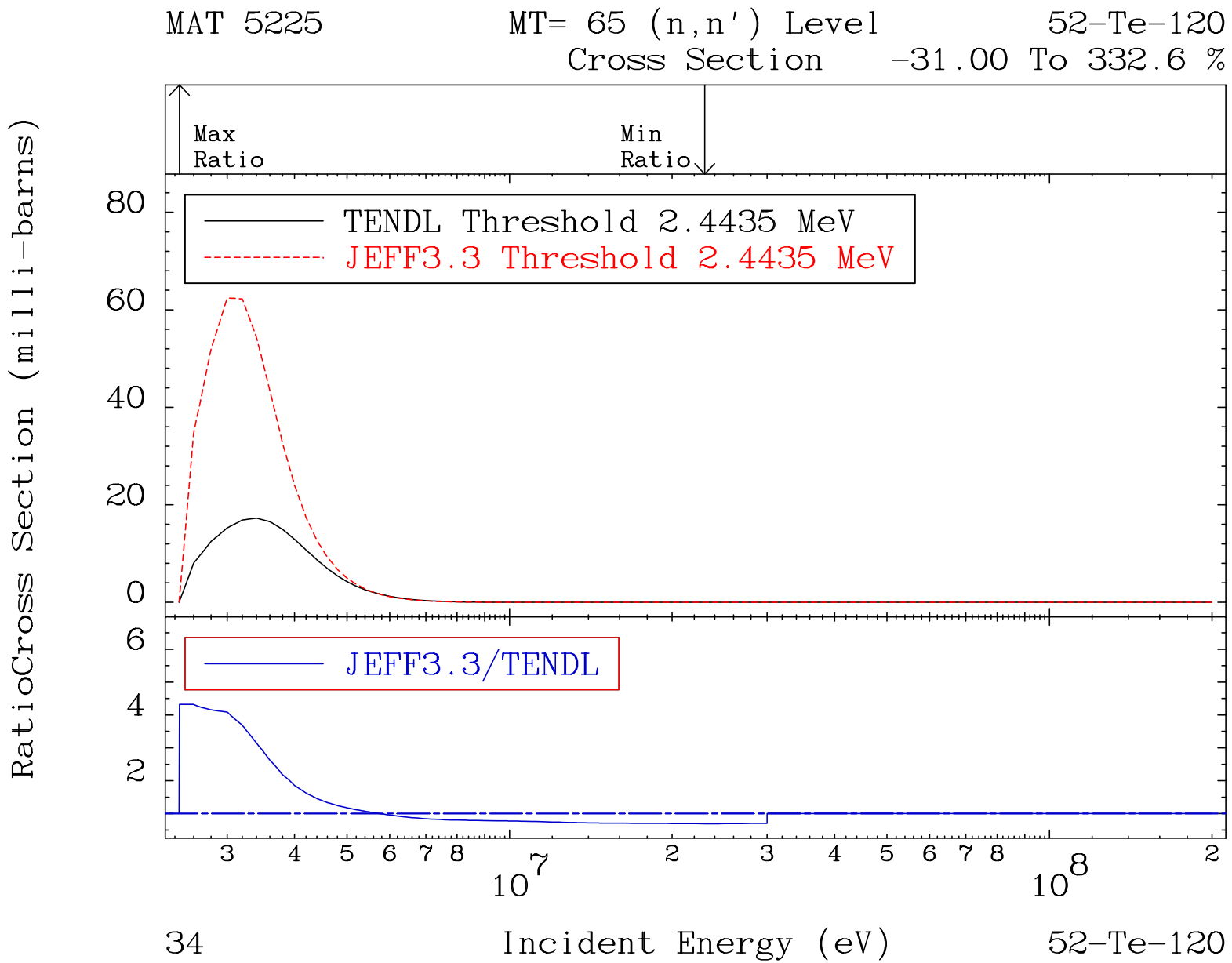

MAT 5225
MT= 60 (n,n') Level
52-Te-120
Cross Section
-21.51 To 25.85 %
Max Ratio
Min Ratio
TENDL Threshold 1.9406 MeV
JEFF3.3 Threshold 1.9406 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
52-Te-120

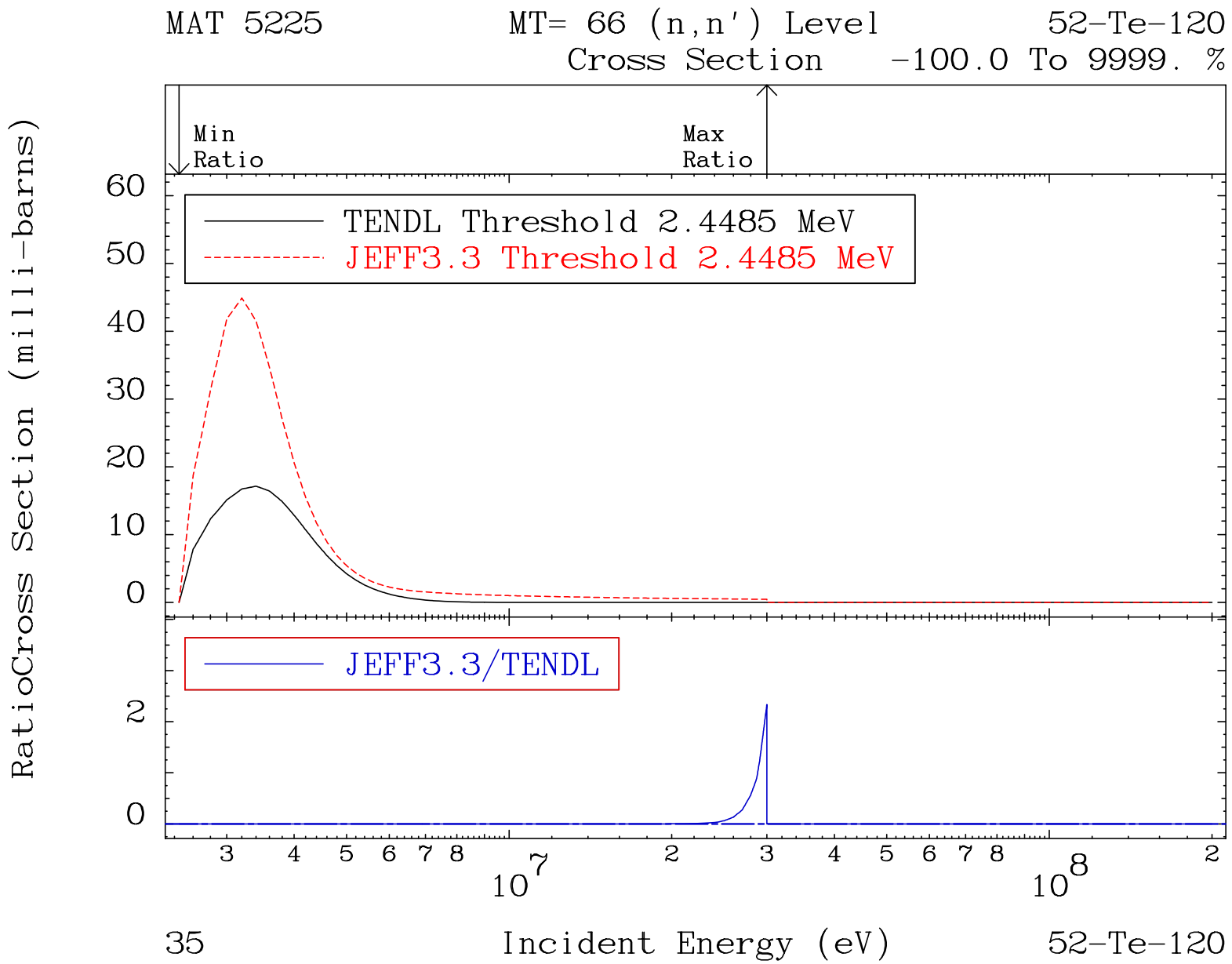

MAT 5225
MT= 61 (n,n') Level
52-Te-120
Cross Section
-100.0 To 59.66 %
Max Ratio
Min Ratio
TENDL Threshold 1.9529 MeV
JEFF3.3 Threshold 1.9529 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^0
10^-5
10^-10
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
52-Te-120

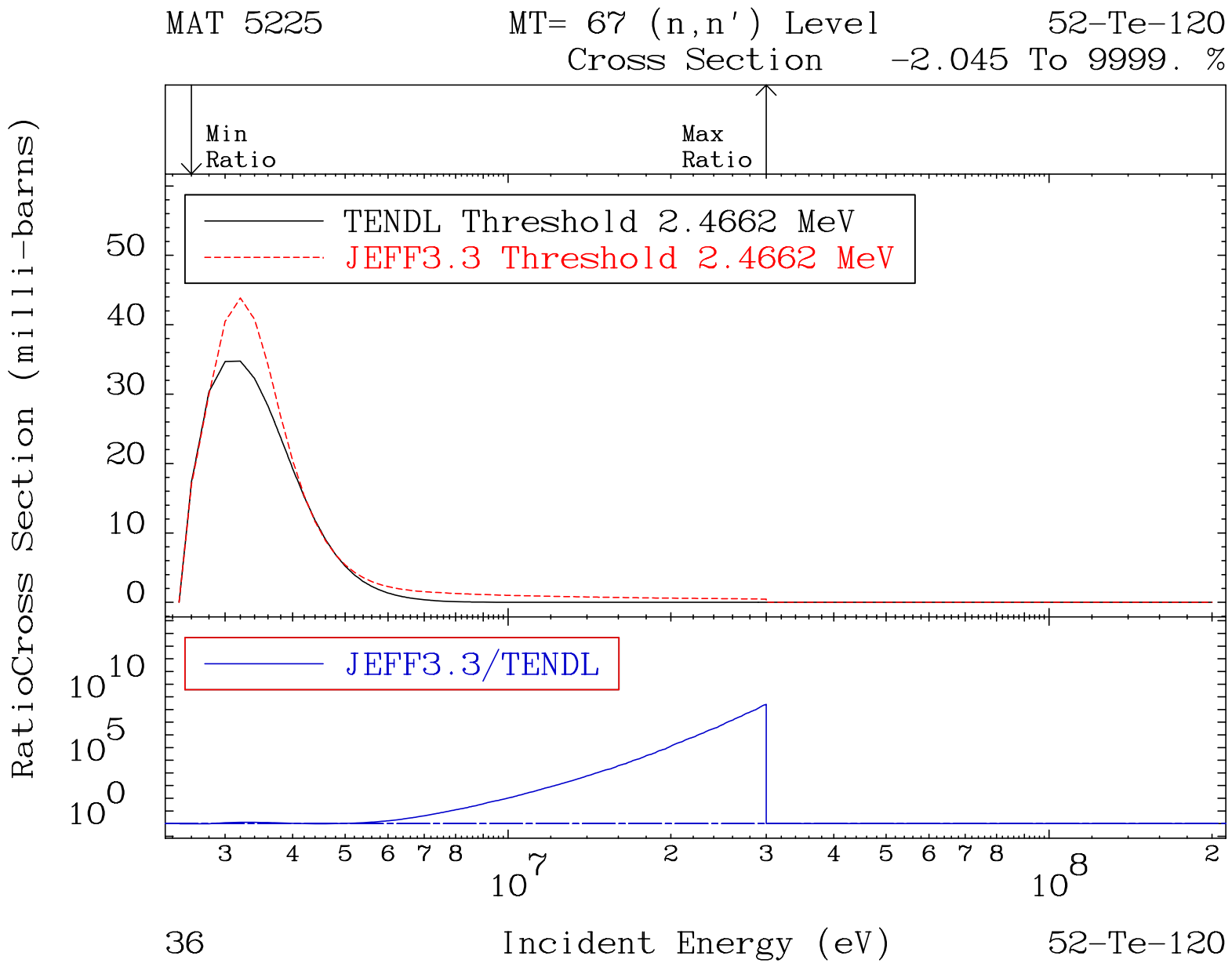

MAT 5225
MT= 62 (n,n') Level
52-Te-120
Cross Section
-22.51 To 19.47 %
Max Ratio
Min Ratio
TENDL Threshold 2.1006 MeV
JEFF3.3 Threshold 2.1006 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.4
1.2
1.0
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
52-Te-120

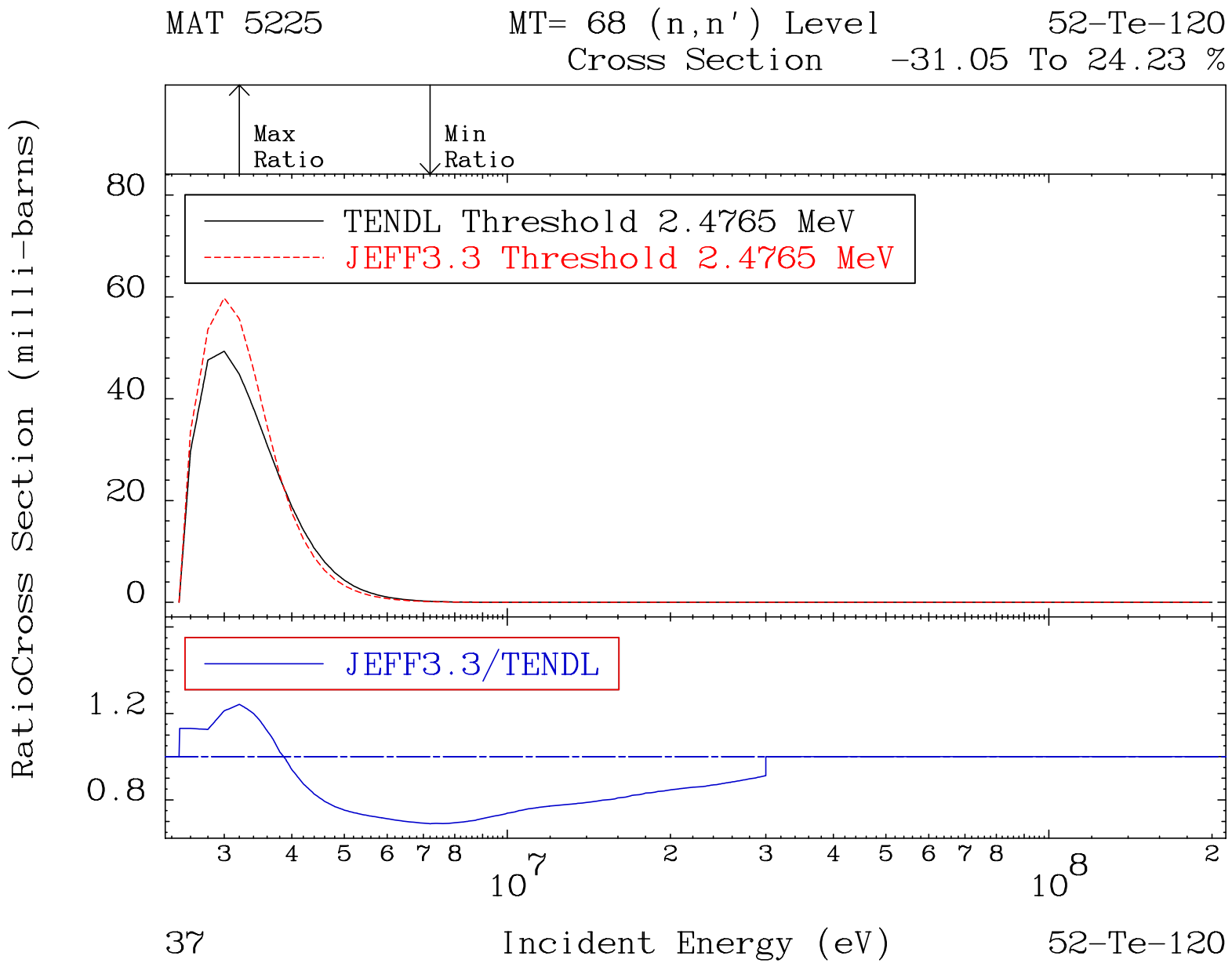

MAT 5225
MT= 63 (n,n') Level
52-Te-120
Cross Section
-21.85 To 65.45 %
Max Ratio
Min Ratio
TENDL Threshold 2.2200 MeV
JEFF3.3 Threshold 2.2200 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
52-Te-120

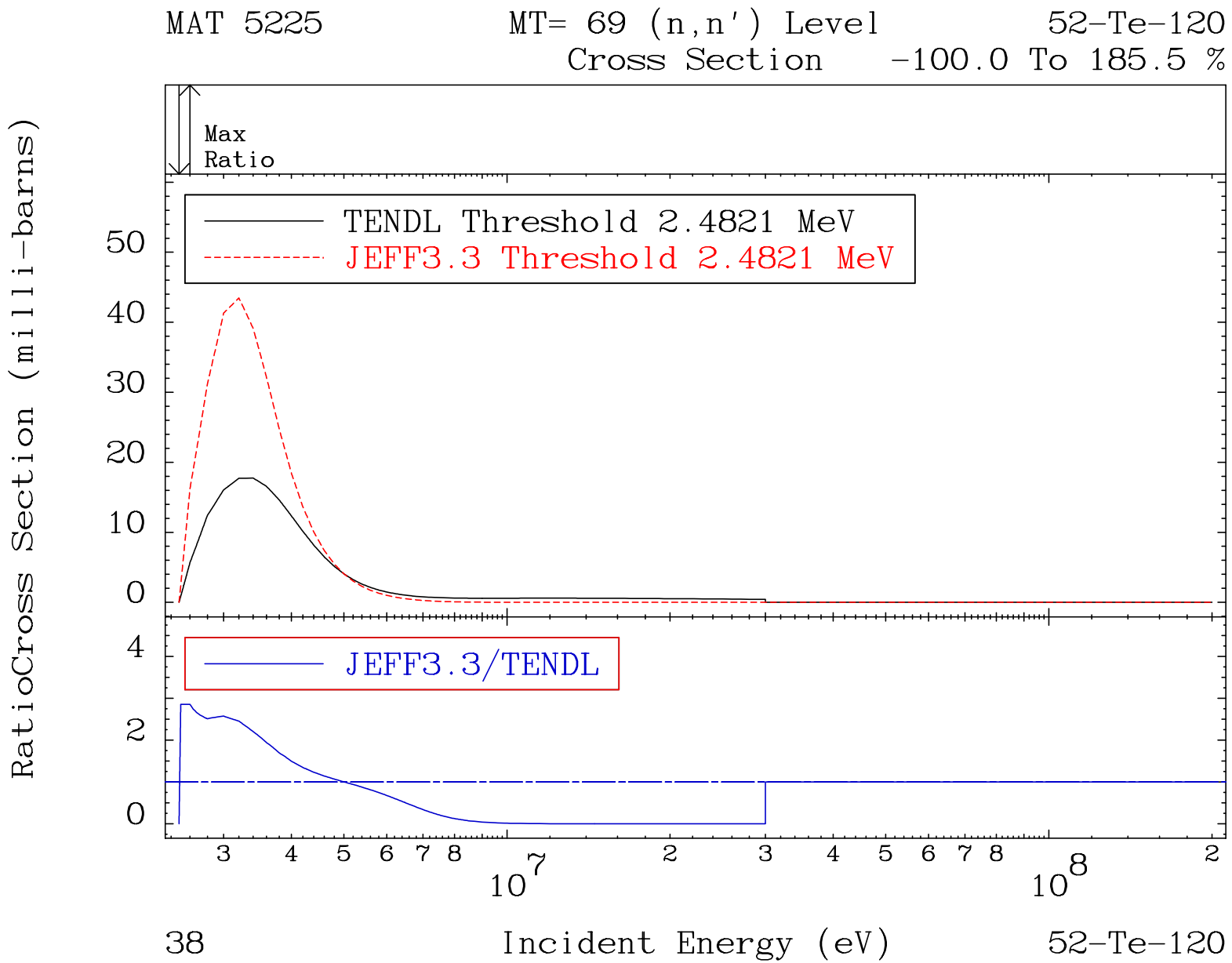

MAT 5225
MT= 64 (n,n') Level
52-Te-120
Cross Section
-100.0 To 508.9 %
Max
Ratio
TENDL Threshold 2.3778 MeV
JEFF3.3 Threshold 2.3778 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
52-Te-120

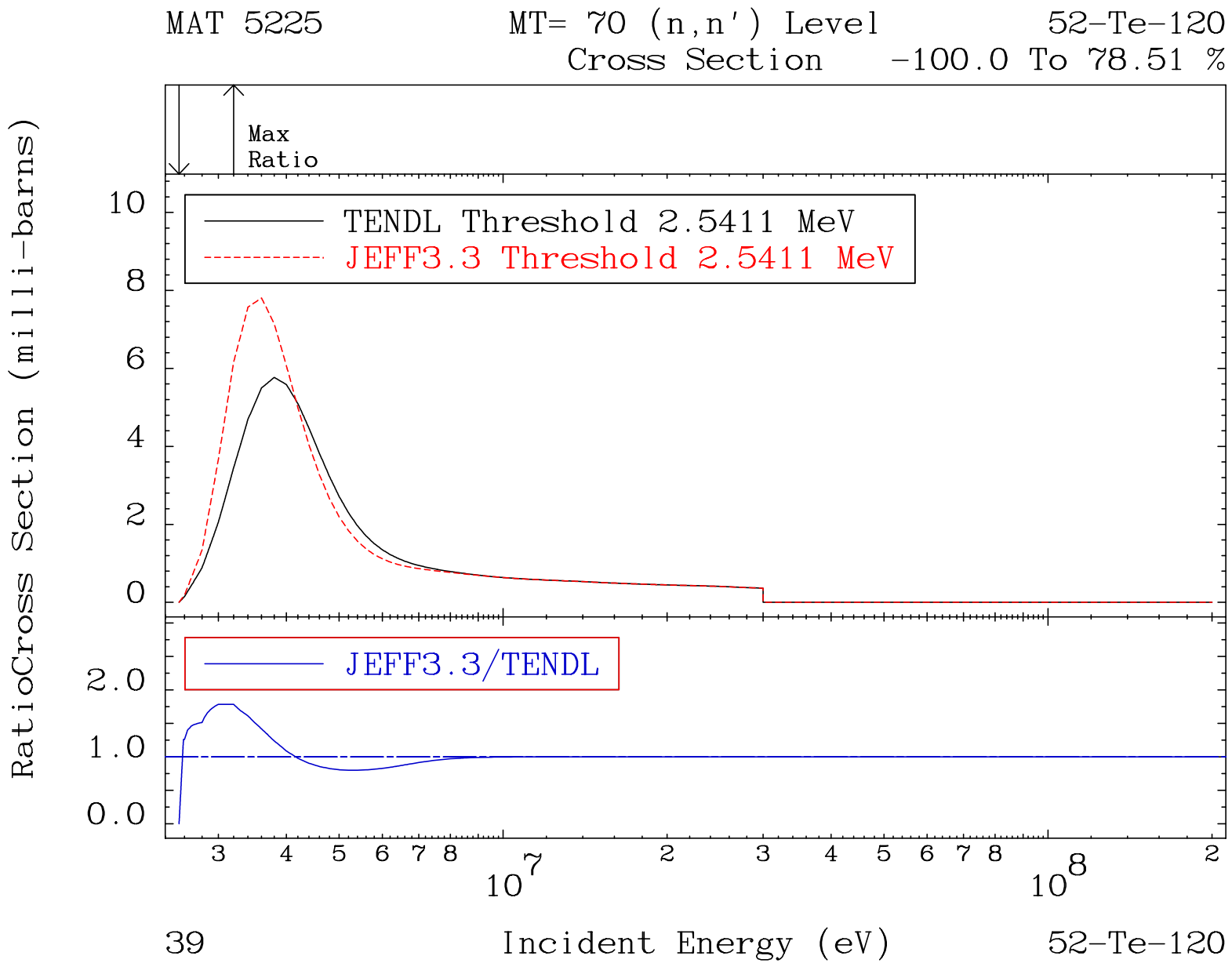

MAT 5225
MT= 65 (n,n') Level
52-Te-120
Cross Section
-31.00 To 332.6 %
Max Ratio
Min Ratio
TENDL Threshold 2.4435 MeV
JEFF3.3 Threshold 2.4435 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
6
4
2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
52-Te-120

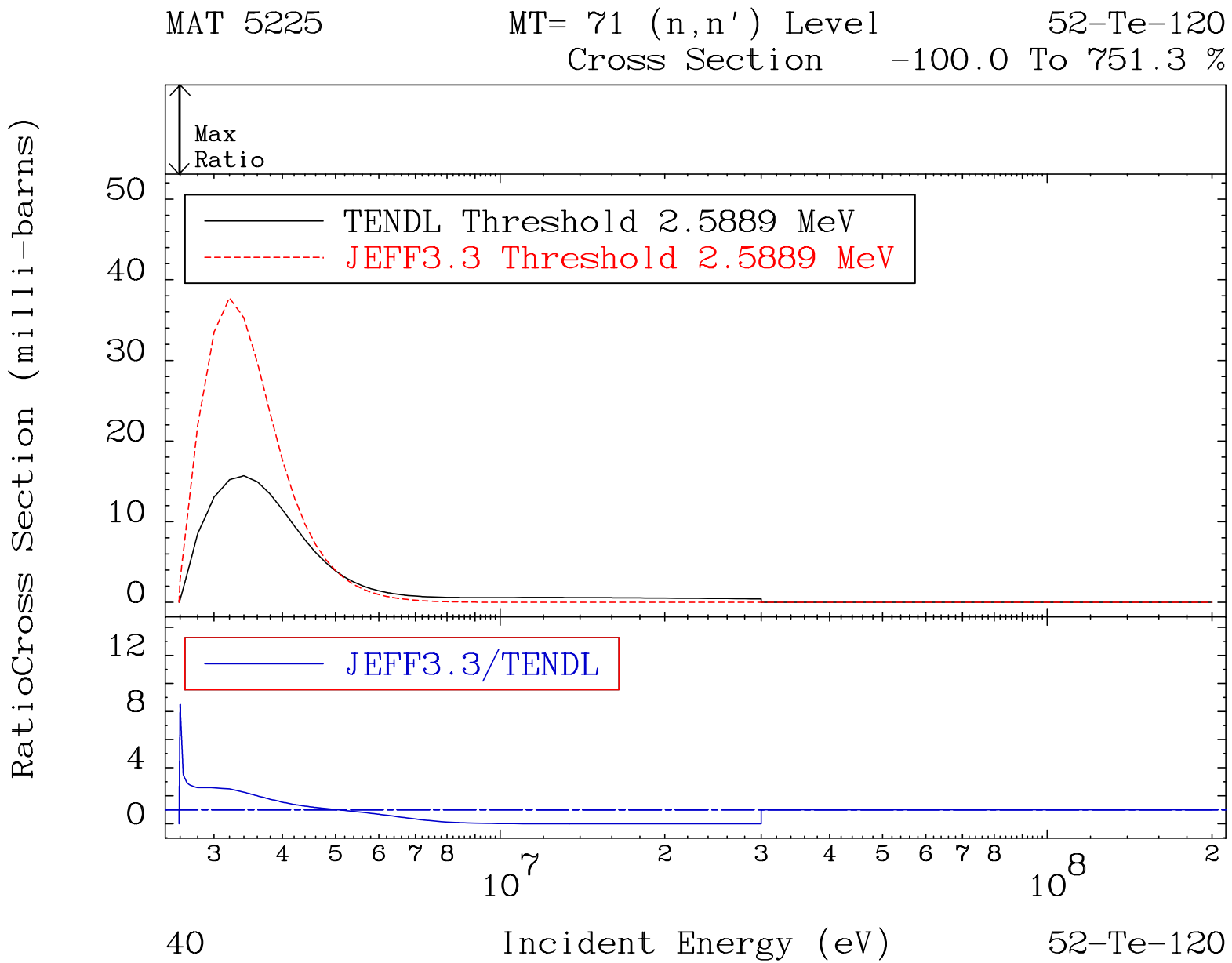

MAT 5225
MT= 66 (n,n') Level
52-Te-120
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.4485 MeV
JEFF3.3 Threshold 2.4485 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
52-Te-120

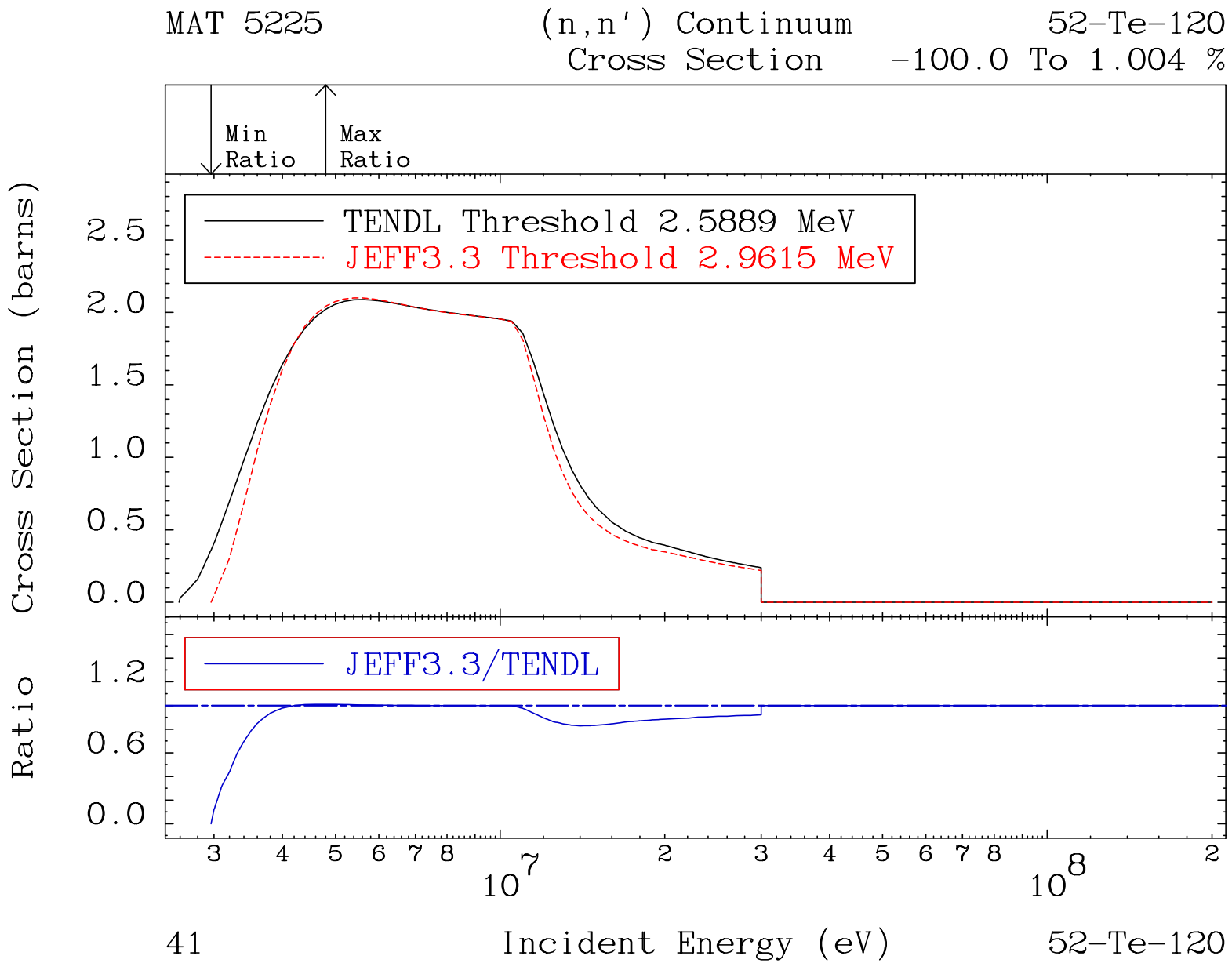

MAT 5225
MT= 67 (n,n') Level
52-Te-120
Cross Section
-2.045 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.4662 MeV
JEFF3.3 Threshold 2.4662 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^10
10^5
10^0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
52-Te-120

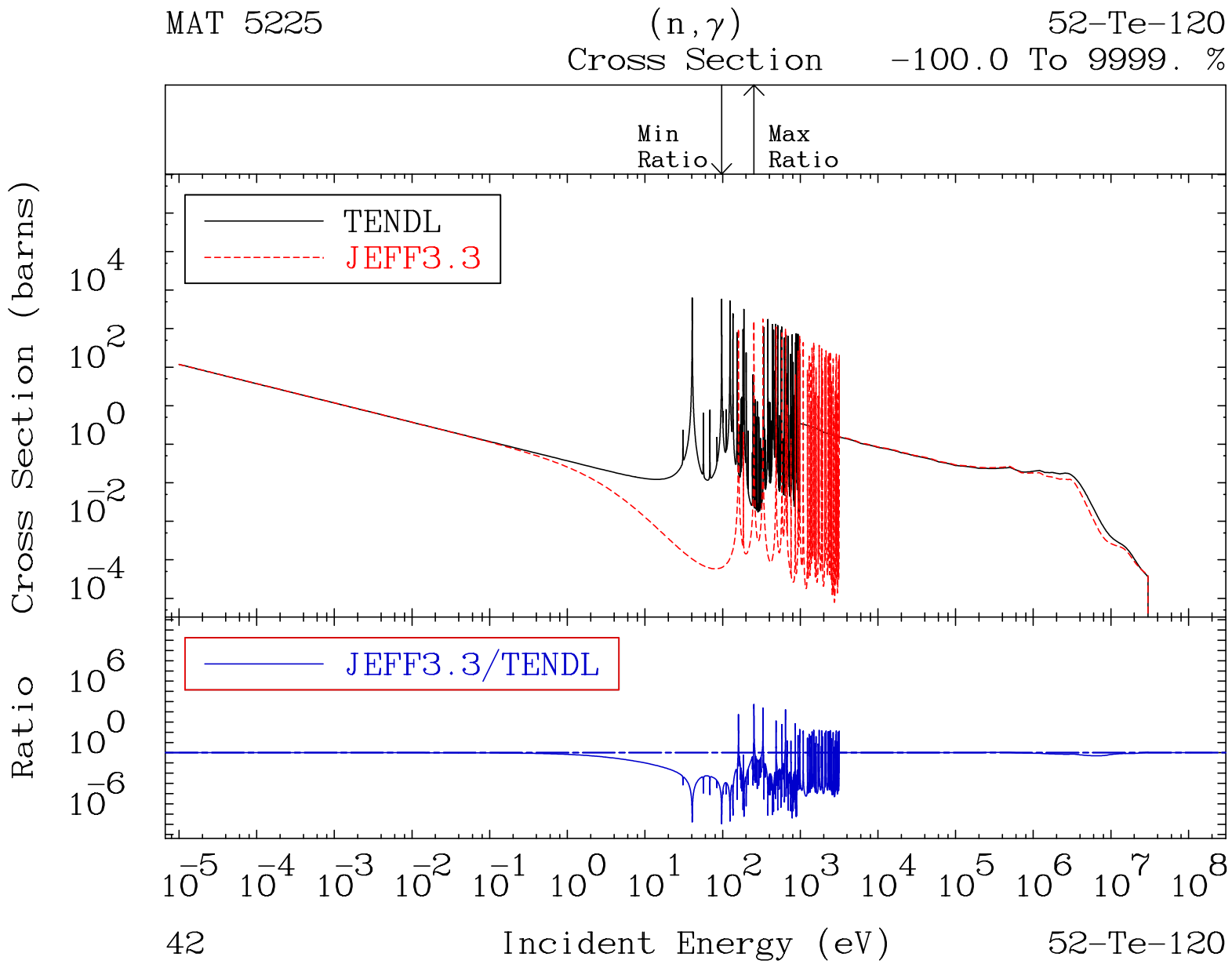

MAT 5225
MT= 68 (n,n') Level
52-Te-120
Cross Section
-31.05 To 24.23 %
Max Ratio
Min Ratio
TENDL Threshold 2.4765 MeV
JEFF3.3 Threshold 2.4765 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
52-Te-120

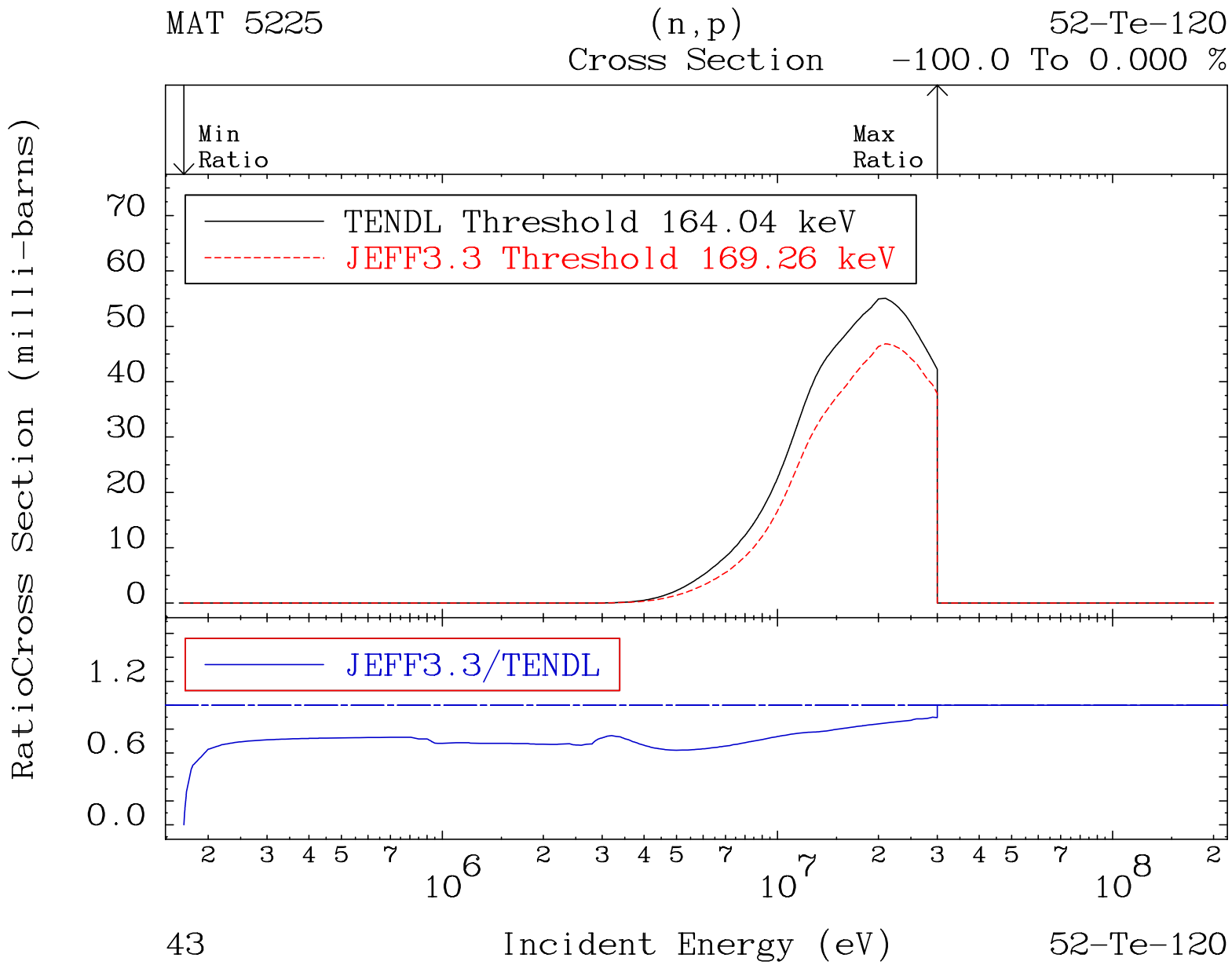

MAT 5225
MT= 69 (n,n') Level
52-Te-120
Cross Section
-100.0 To 185.5 %
Max
Ratio
TENDL Threshold 2.4821 MeV
JEFF3.3 Threshold 2.4821 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
52-Te-120

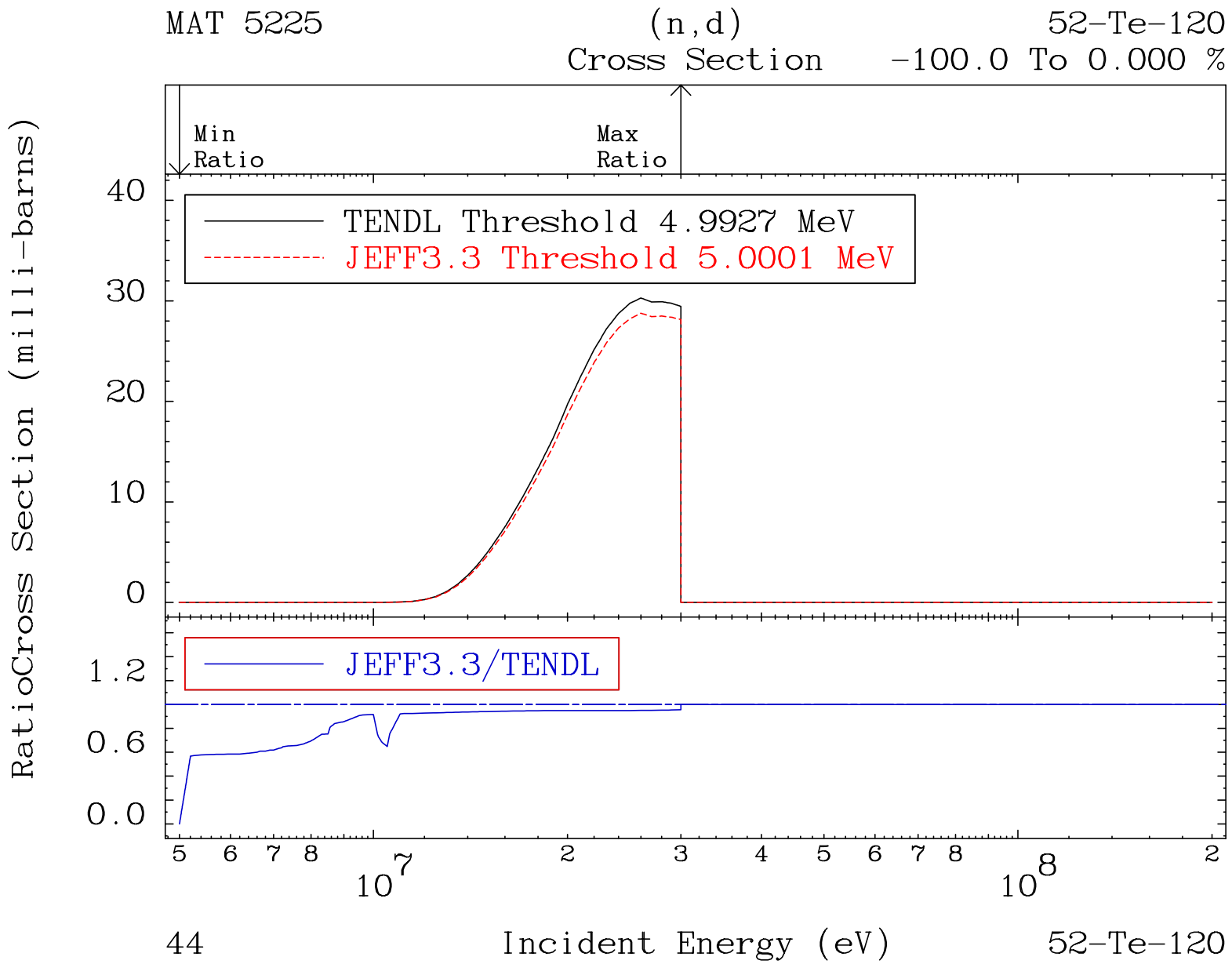

MAT 5225
MT= 70 (n,n') Level
52-Te-120
Cross Section
-100.0 To 78.51 %
Max
Ratio
TENDL Threshold 2.5411 MeV
JEFF3.3 Threshold 2.5411 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
52-Te-120

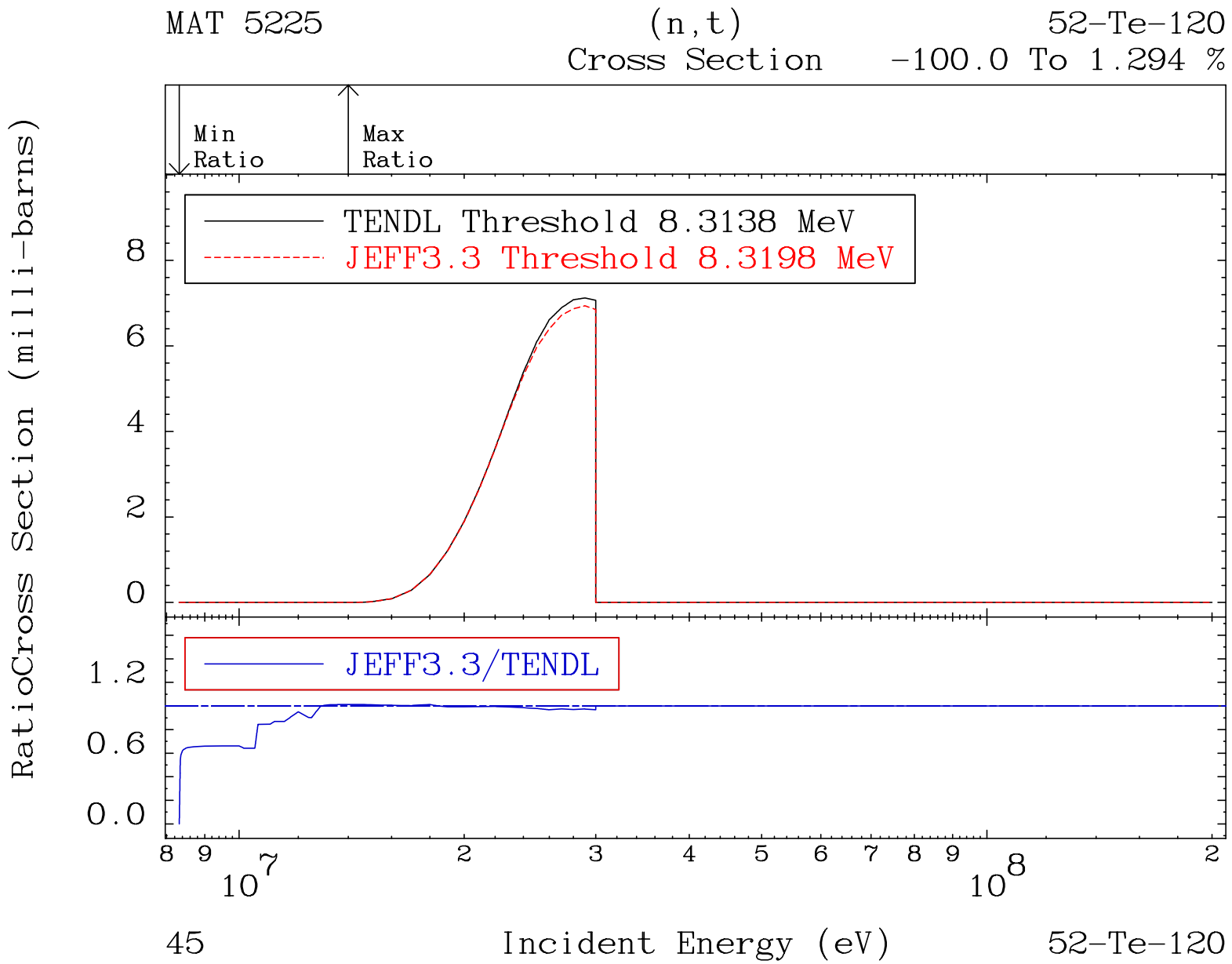

MAT 5225
MT= 71 (n,n') Level
52-Te-120
Cross Section
-100.0 To 751.3 %
Max
Ratio
TENDL Threshold 2.5889 MeV
JEFF3.3 Threshold 2.5889 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
12
8
4
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
52-Te-120

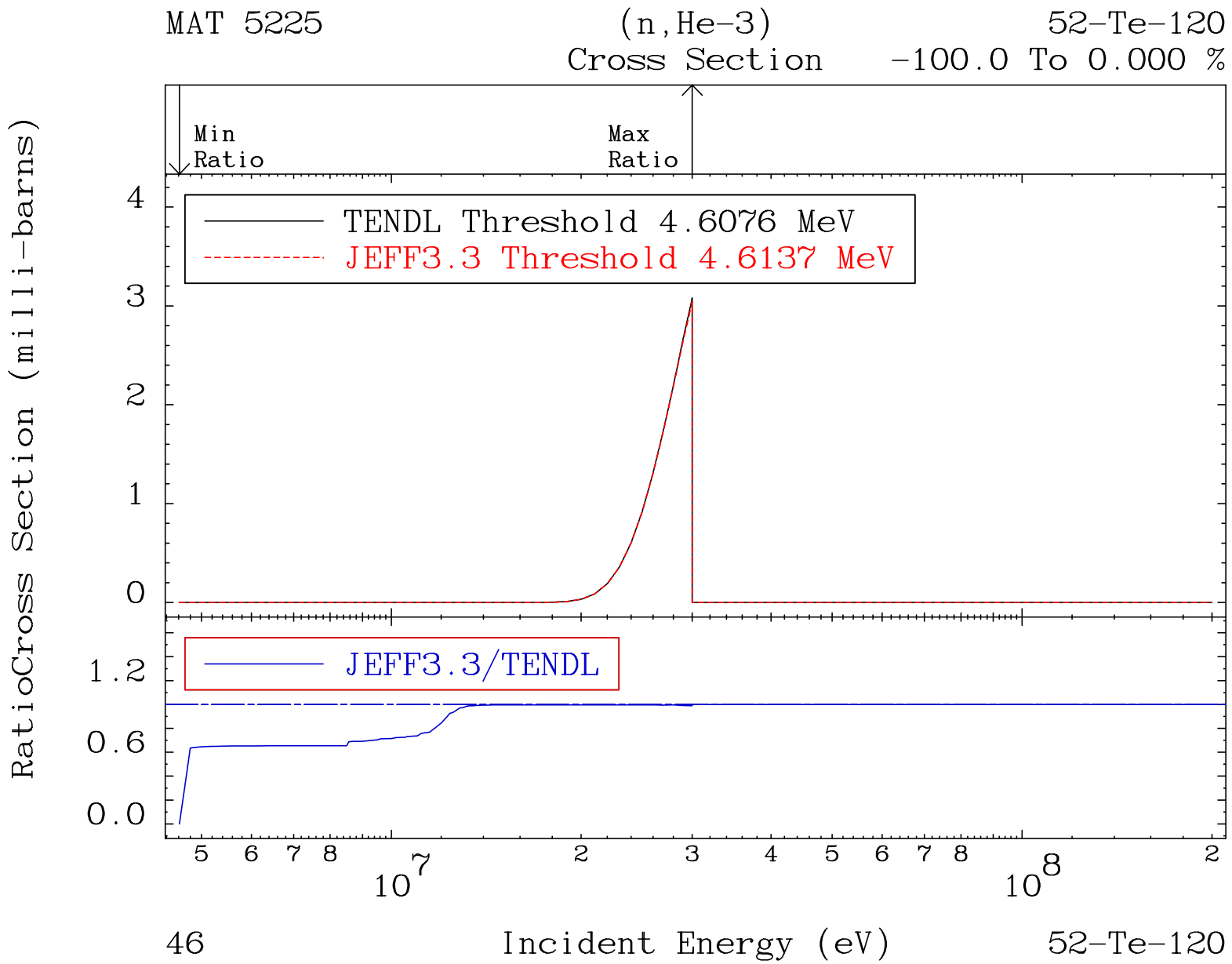

MAT 5225
(n,n') Continuum
Cross Section
52-Te-120
-100.0 To 1.004 %
Min Ratio
Max Ratio
TENDL Threshold 2.5889 MeV
JEFF3.3 Threshold 2.9615 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
52-Te-120

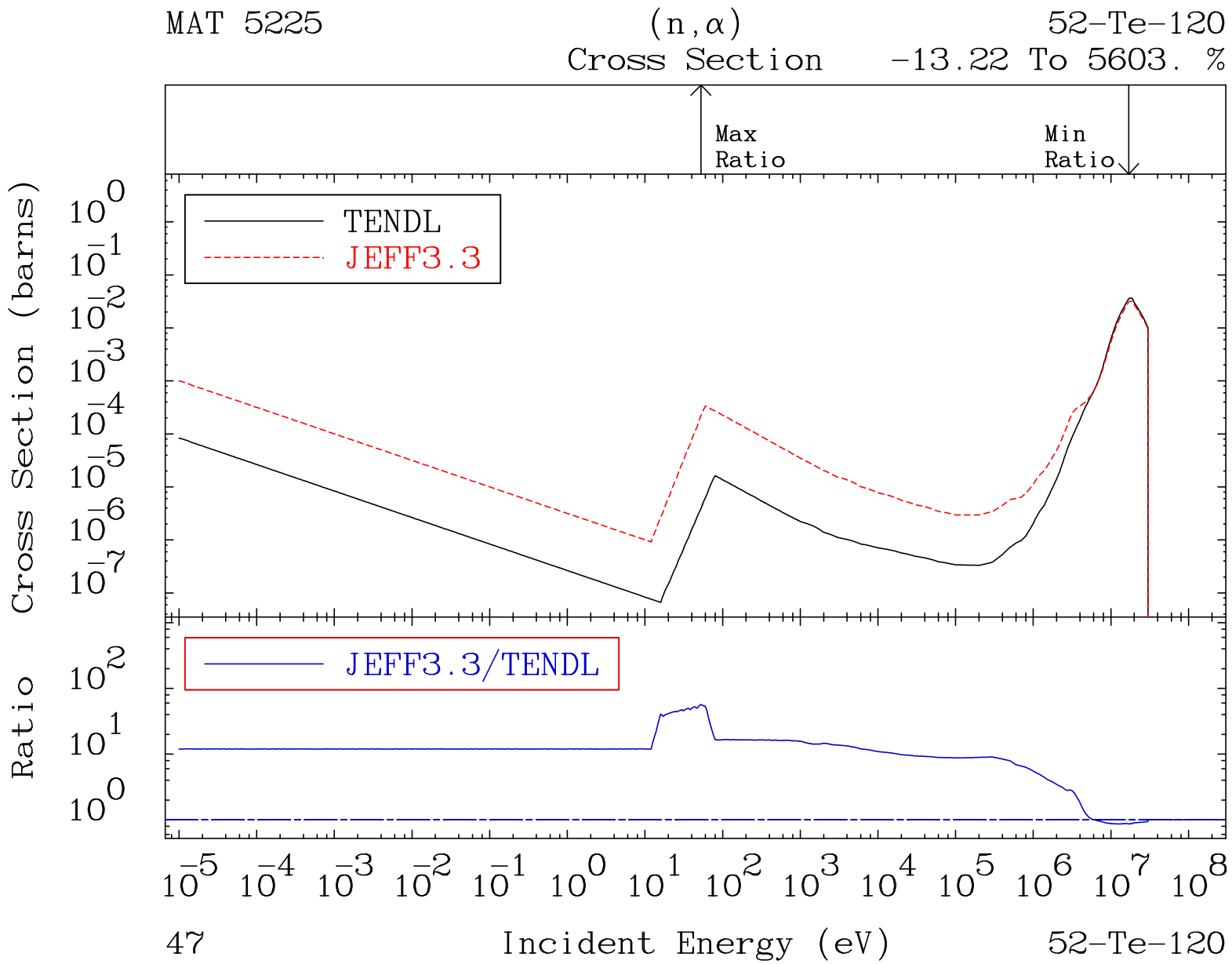

MAT 5225
(n,γ)
Cross Section
52-Te-120
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
52-Te-120

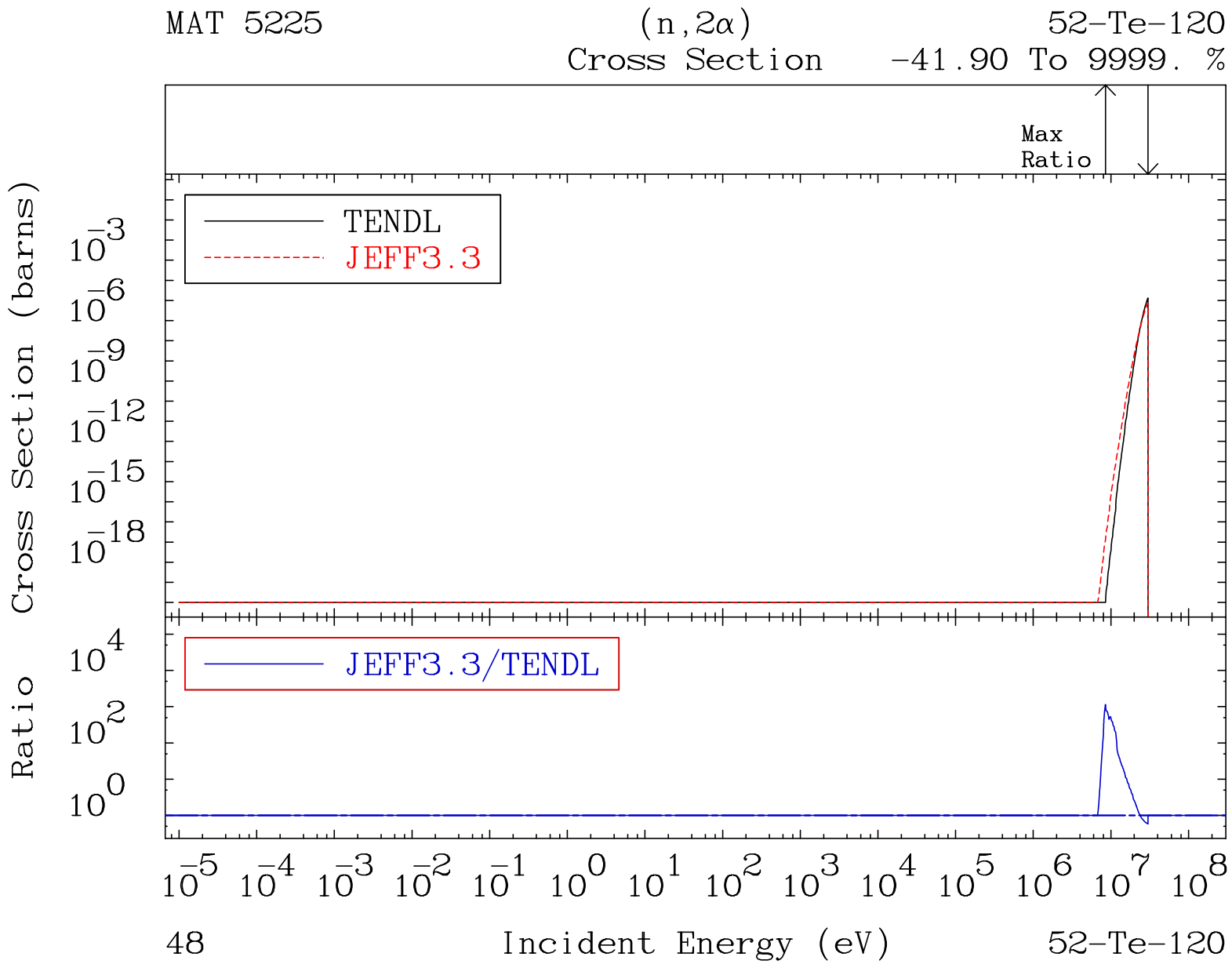

MAT 5225
(n,p)
Cross Section
52-Te-120
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JEFF3.3 Threshold 169.26 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
43
Incident Energy (eV)
52-Te-120

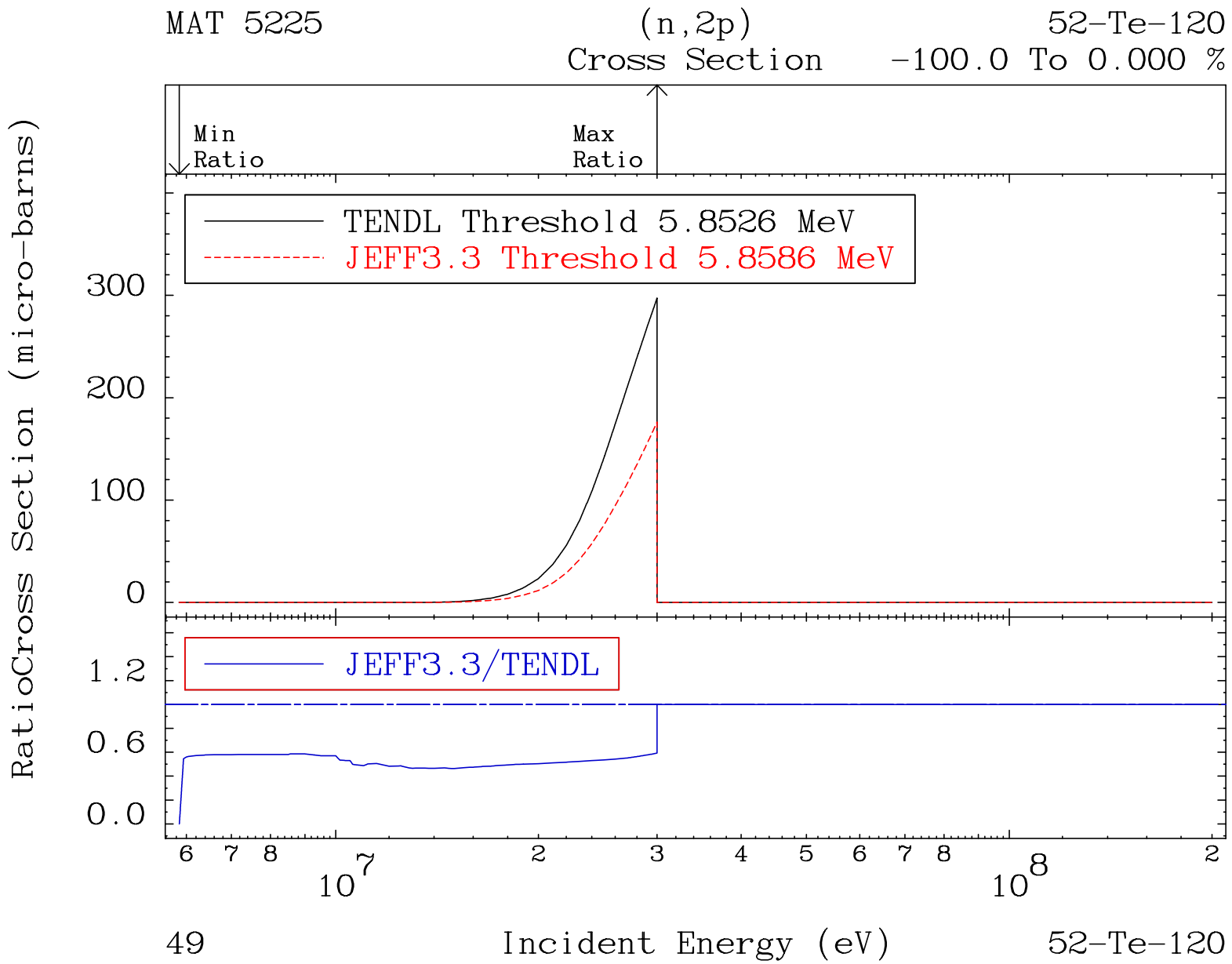

MAT 5225
(n,d)
Cross Section
52-Te-120
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.9927 MeV
JEFF3.3 Threshold 5.0001 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
52-Te-120

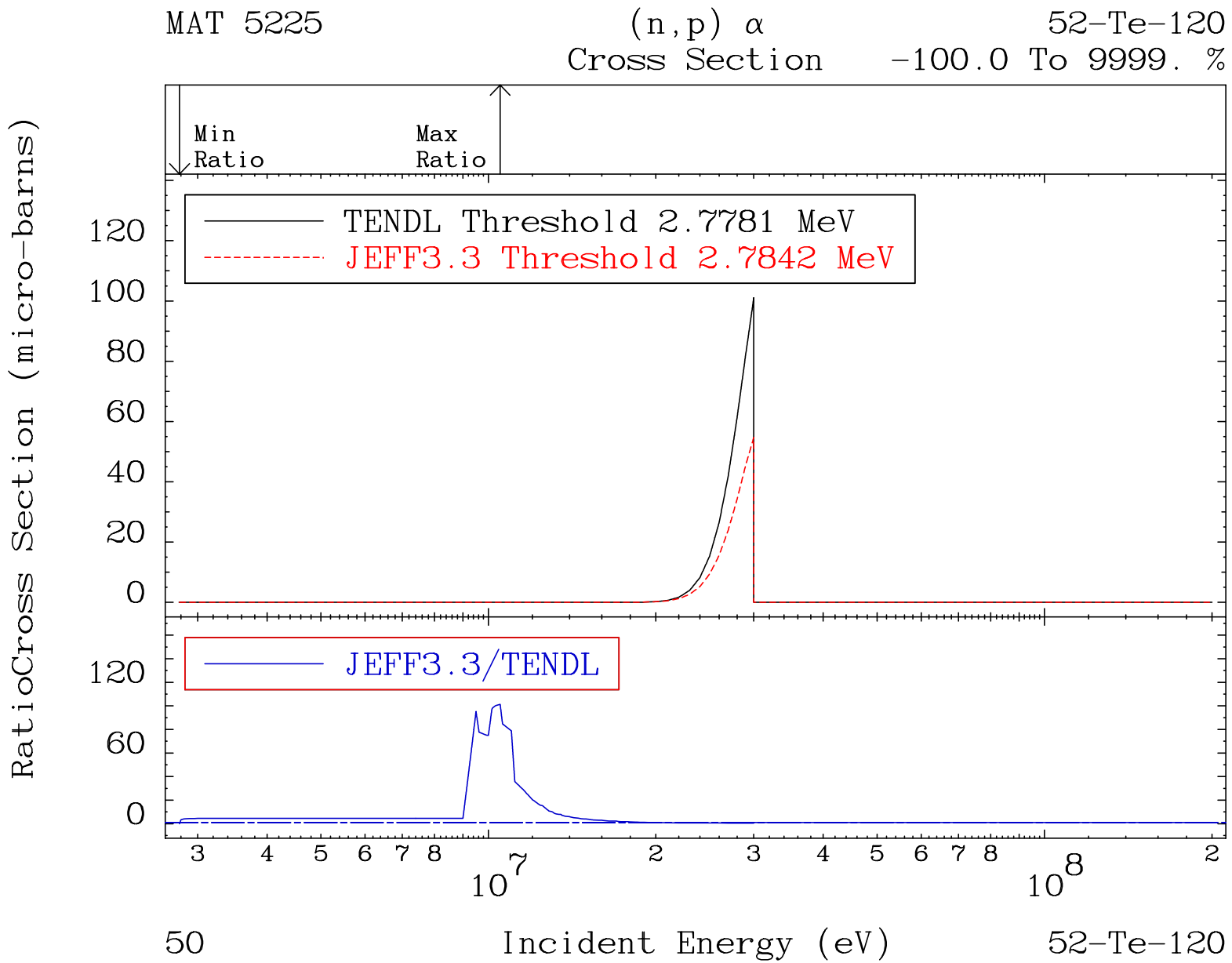

MAT 5225
(n,t)
Cross Section
52-Te-120
-100.0 To 1.294 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JEFF3.3 Threshold 8.3198 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
1.2
0.6
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
52-Te-120

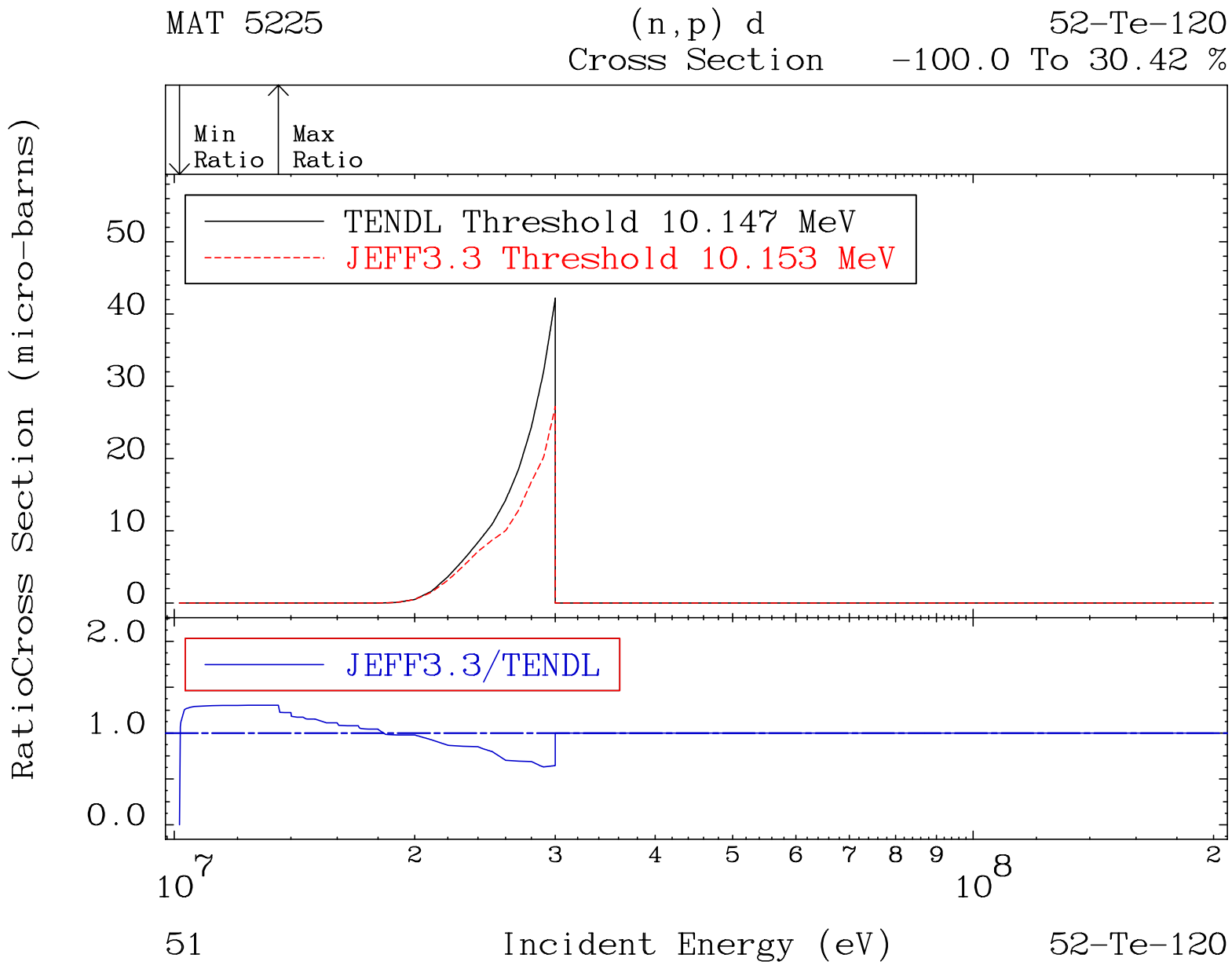

MAT 5225
(n,He-3)
Cross Section
52-Te-120
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.6076 MeV
JEFF3.3 Threshold 4.6137 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
46
52-Te-120

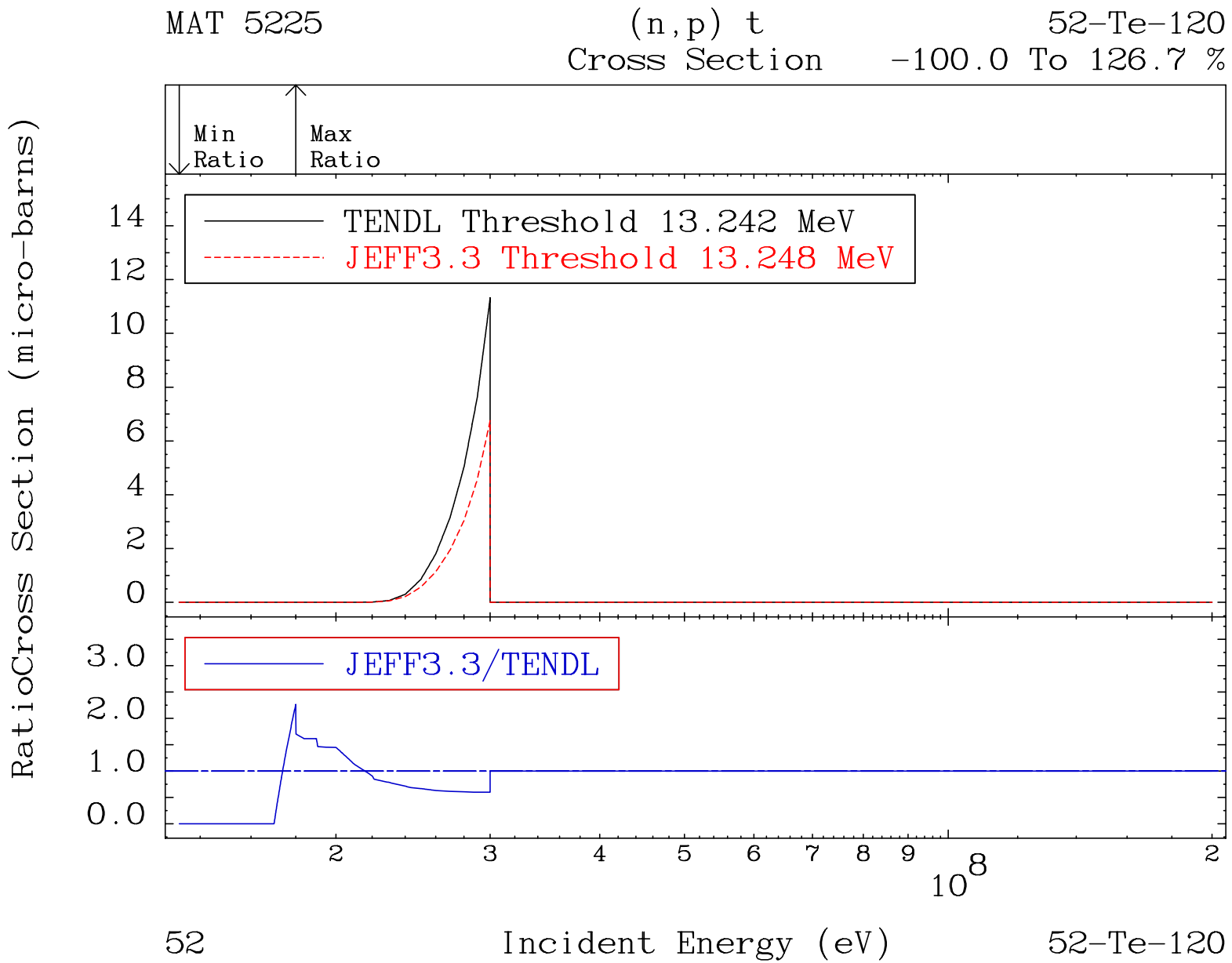

MAT 5225
(n,α)
Cross Section
52-Te-120
-13.22 To 5603. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
52-Te-120

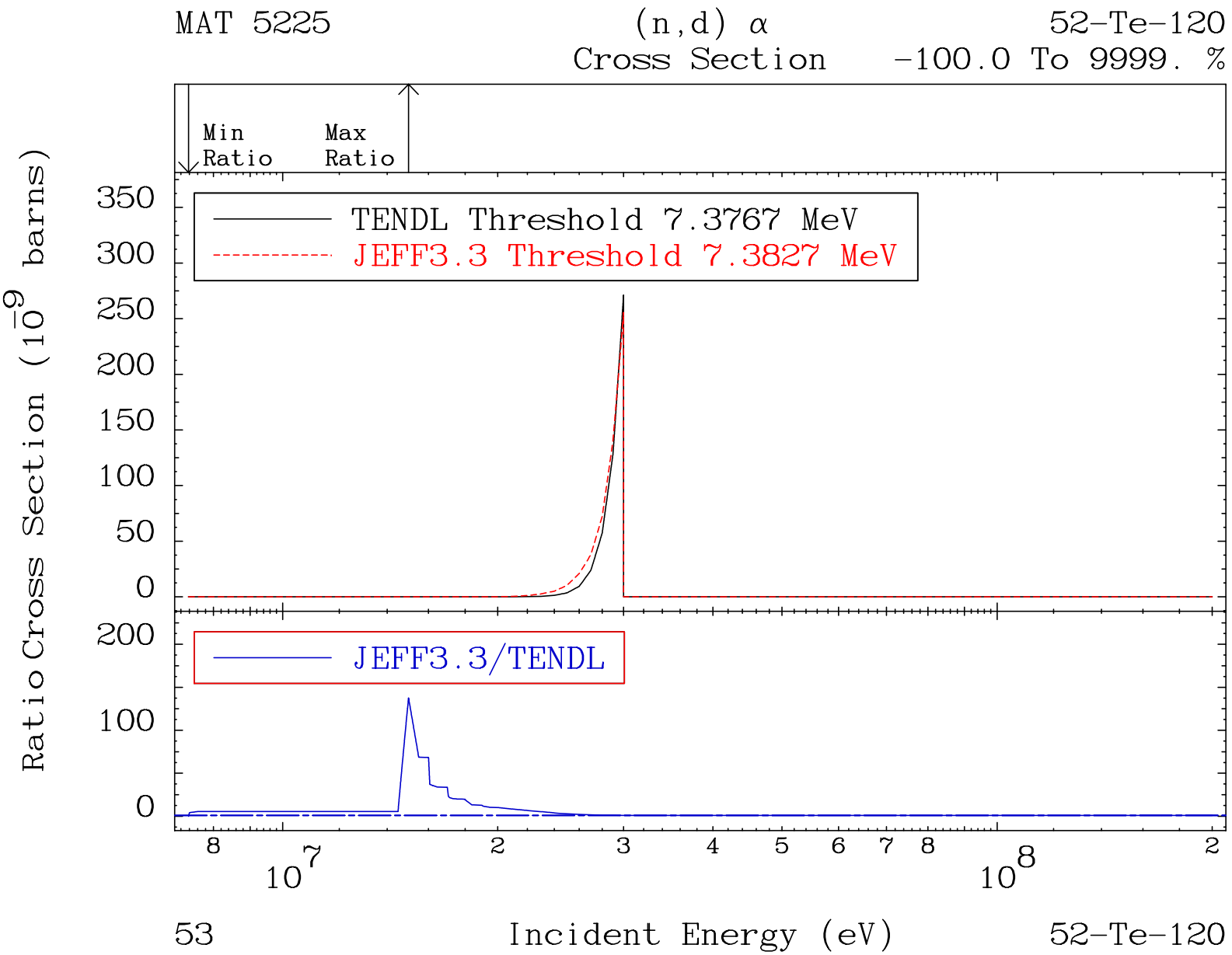

MAT 5225
(n,2α)
52-Te-120
Cross Section
-41.90 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
52-Te-120

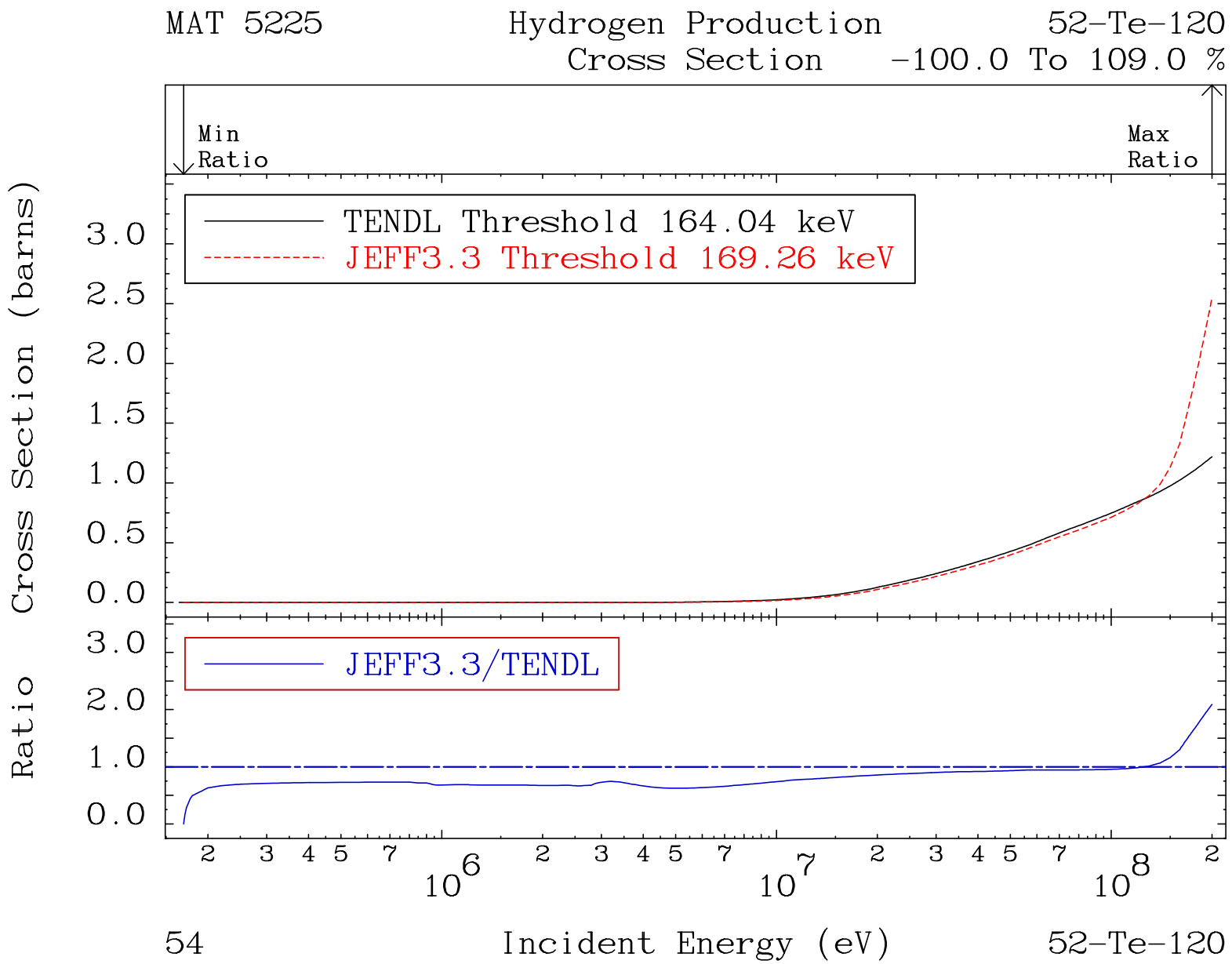

MAT 5225
(n,2p)
52-Te-120
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.8526 MeV
JEFF3.3 Threshold 5.8586 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
200
100
0
1.2
0.6
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
52-Te-120

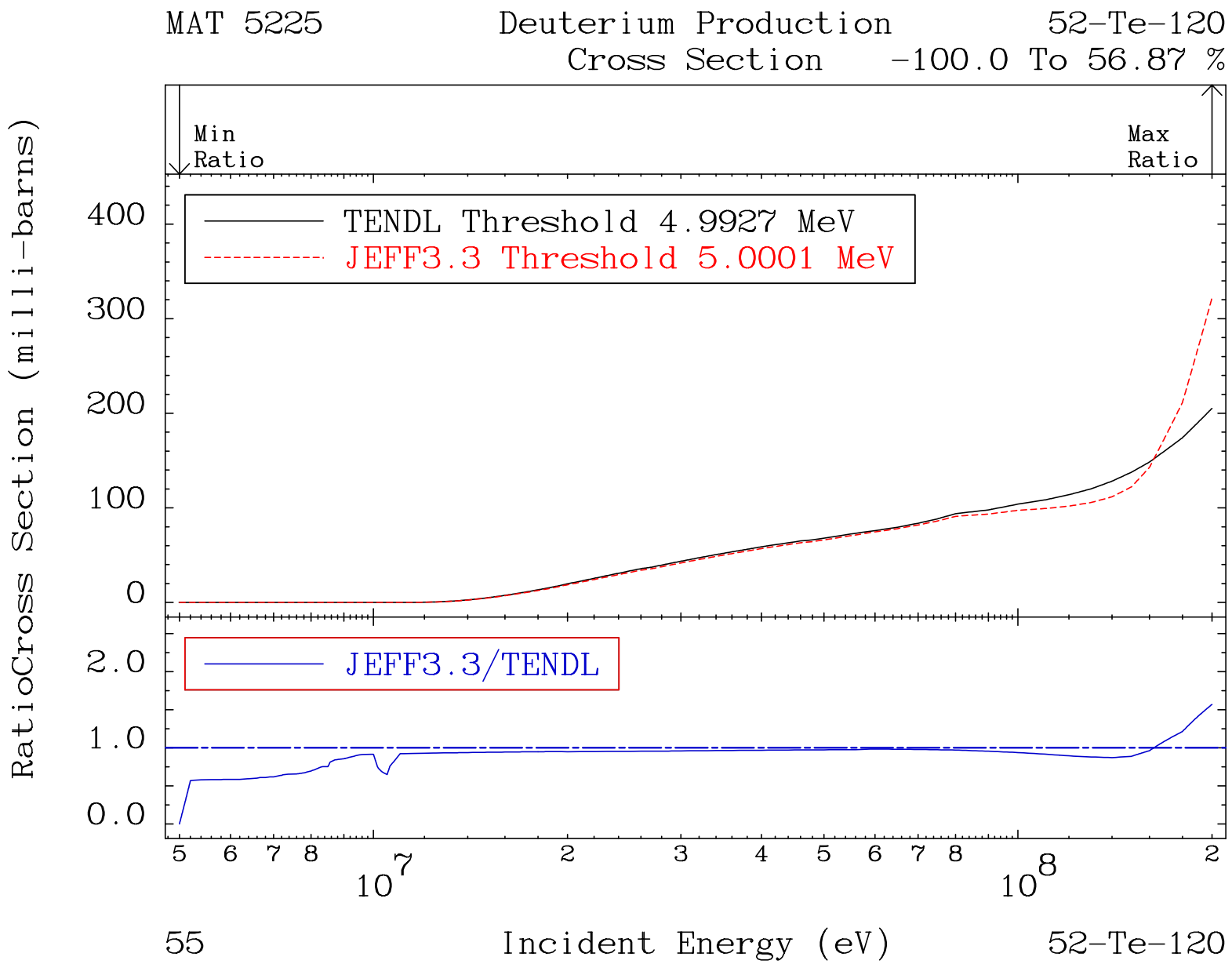

MAT 5225
(n,p) α
52-Te-120
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7781 MeV
JEFF3.3 Threshold 2.7842 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
120
60
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
52-Te-120

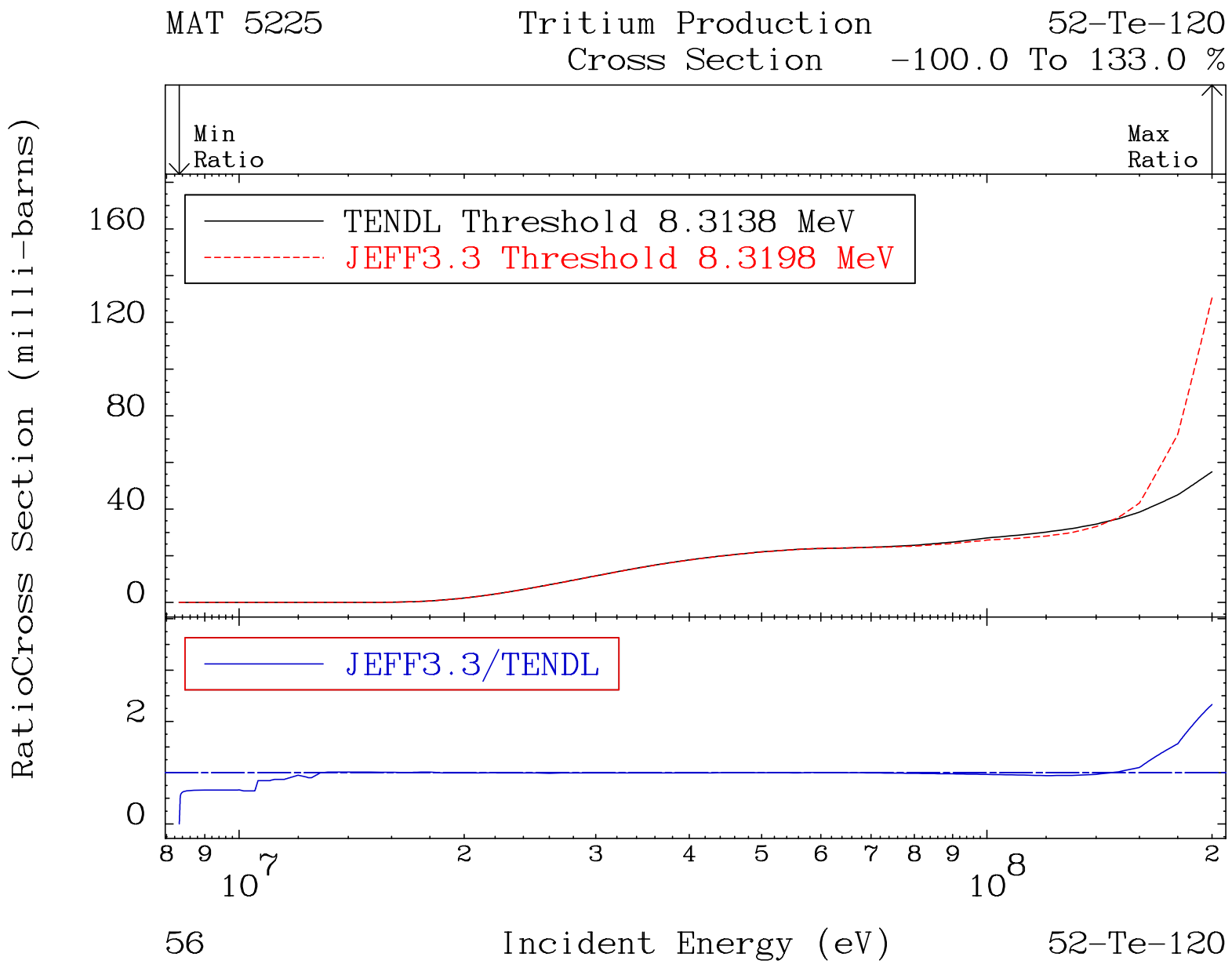

MAT 5225
(n,p) d
Cross Section
52-Te-120
-100.0 To 30.42 %
Min Ratio
Max Ratio
TENDL Threshold 10.147 MeV
JEFF3.3 Threshold 10.153 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
50
40
30
20
10
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
52-Te-120

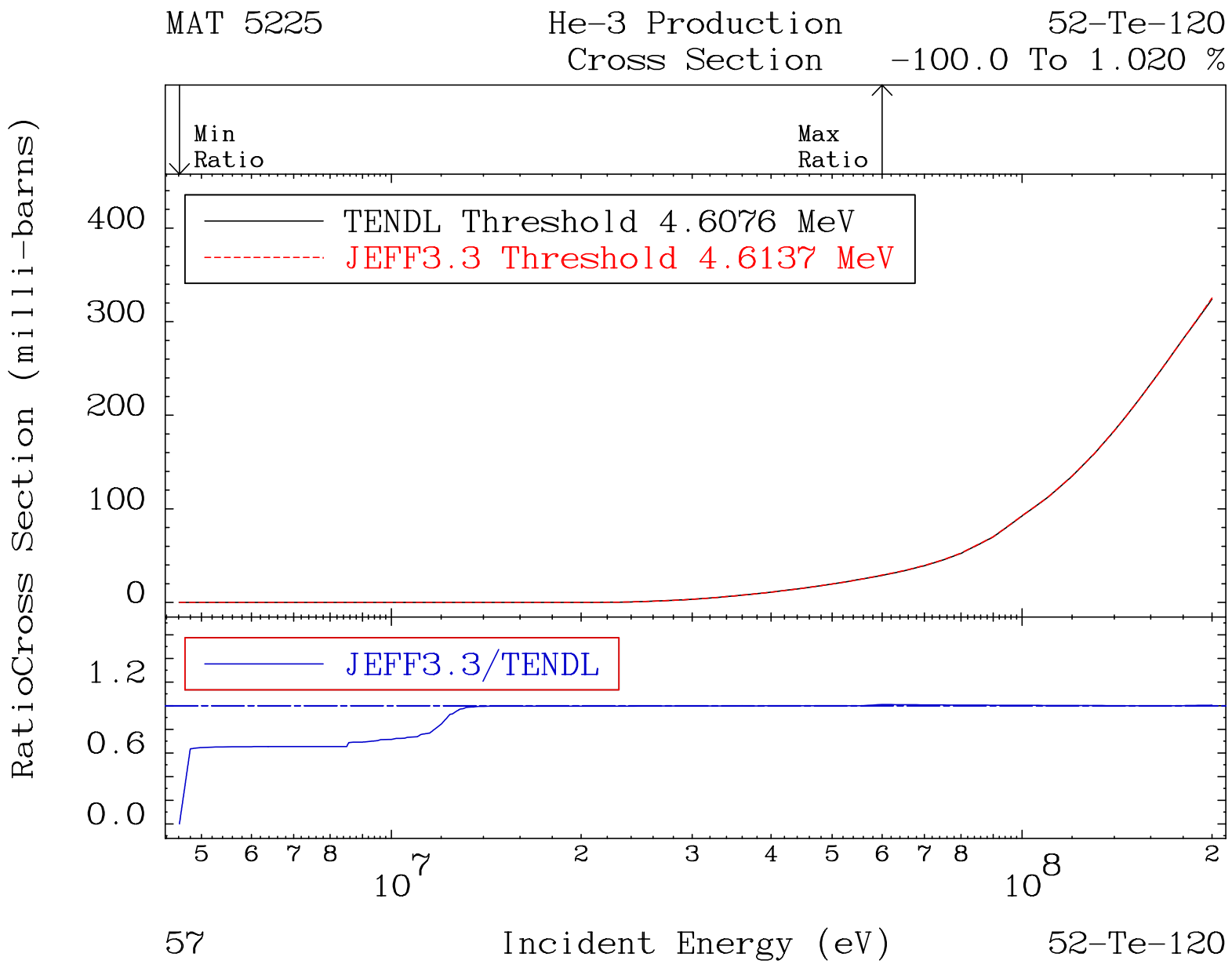

MAT 5225
(n,p) t
Cross Section
52-Te-120
-100.0 To 126.7 %
Min Ratio
Max Ratio
TENDL Threshold 13.242 MeV
JEFF3.3 Threshold 13.248 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
14
12
10
8
6
4
2
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
52-Te-120

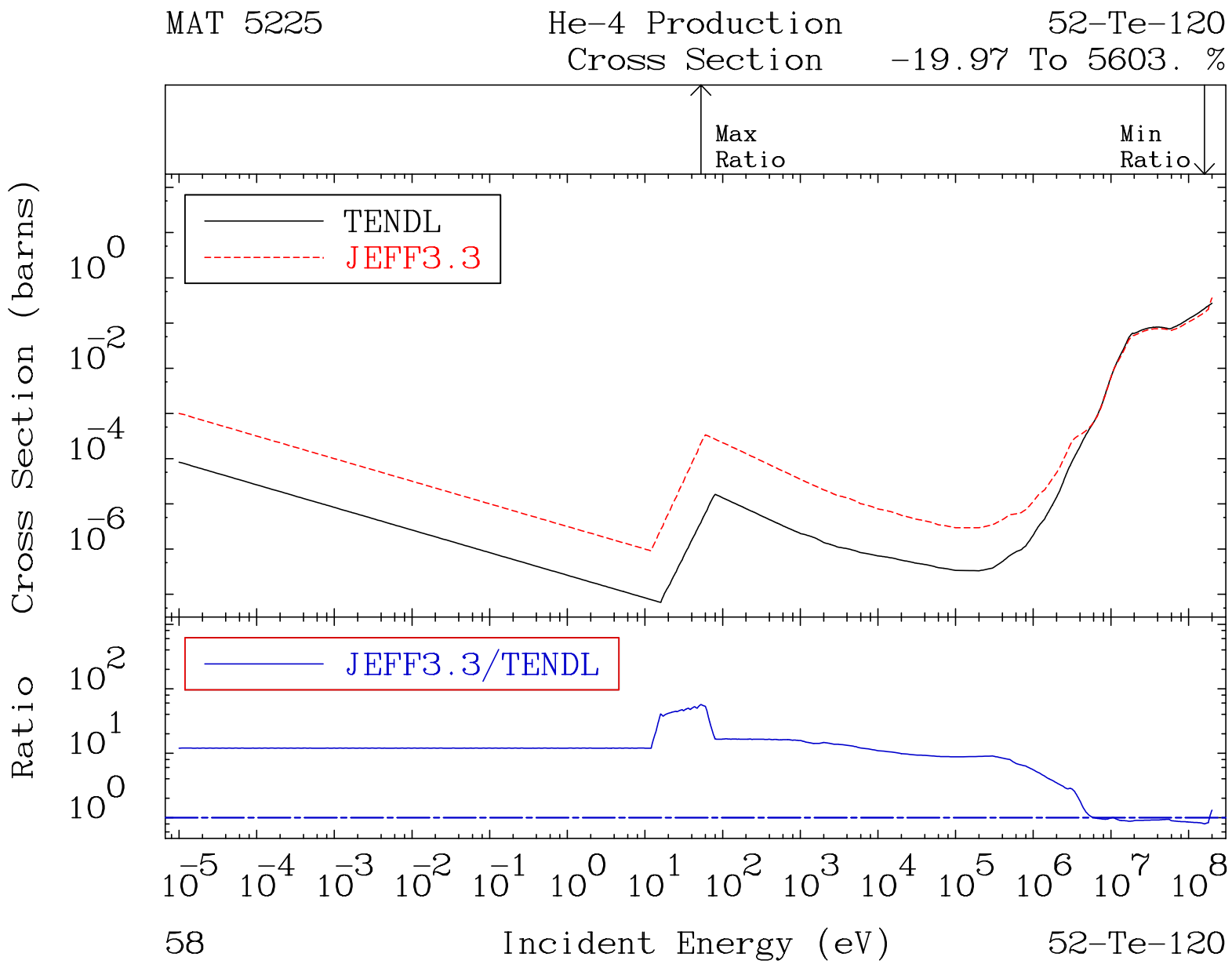

MAT 5225
(n,d) α
Cross Section
52-Te-120
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.3767 MeV
JEFF3.3 Threshold 7.3827 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
350
300
250
200
150
100
50
0
200
100
0
8
10^7
2
3
4
5
6
7
8
10^8
2
53
Incident Energy (eV)
52-Te-120

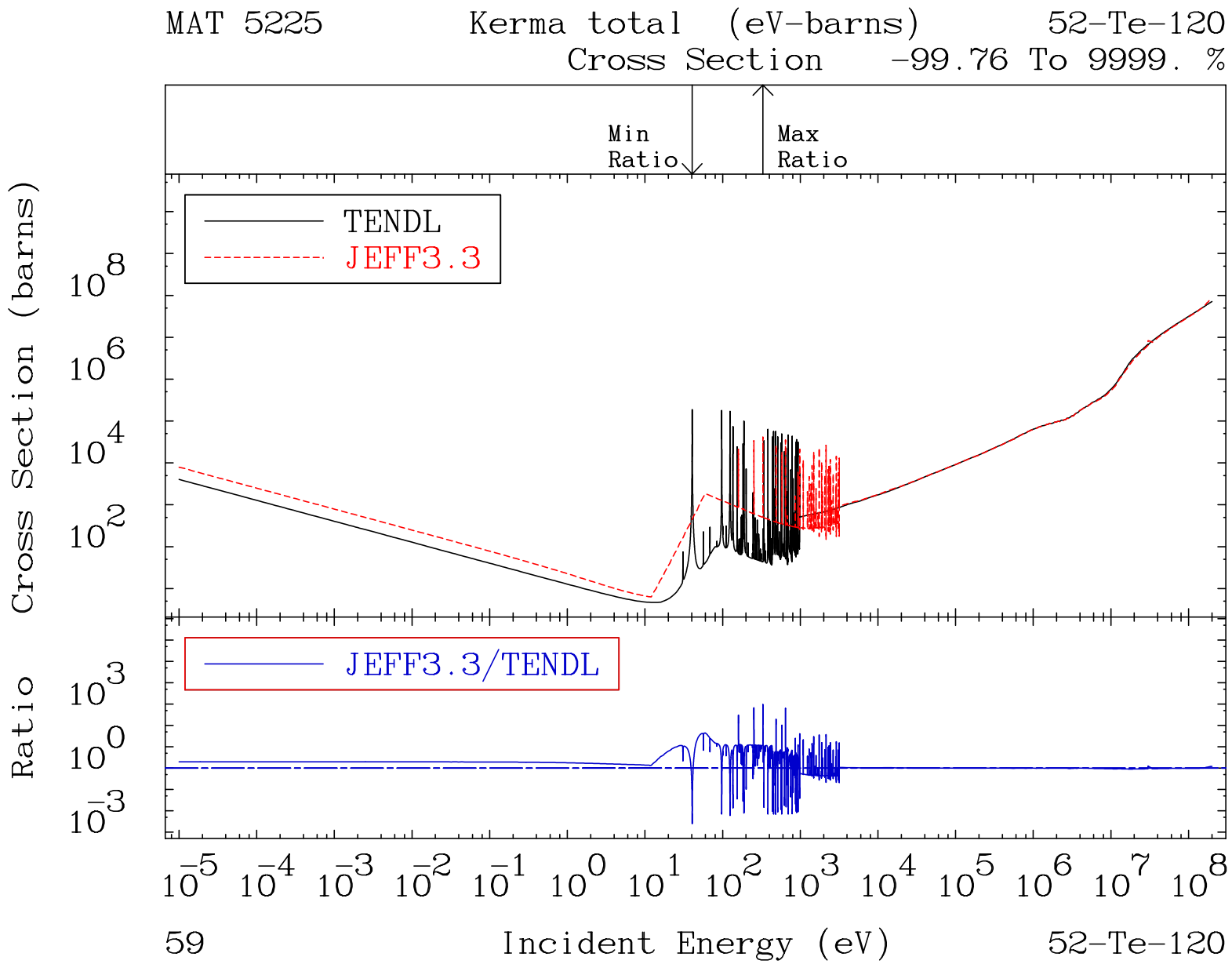

MAT 5225
Hydrogen Production
52-Te-120
Cross Section
-100.0 To 109.0 %
Min
Ratio
Max
Ratio
TENDL Threshold 164.04 keV
JEFF3.3 Threshold 169.26 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
54
52-Te-120

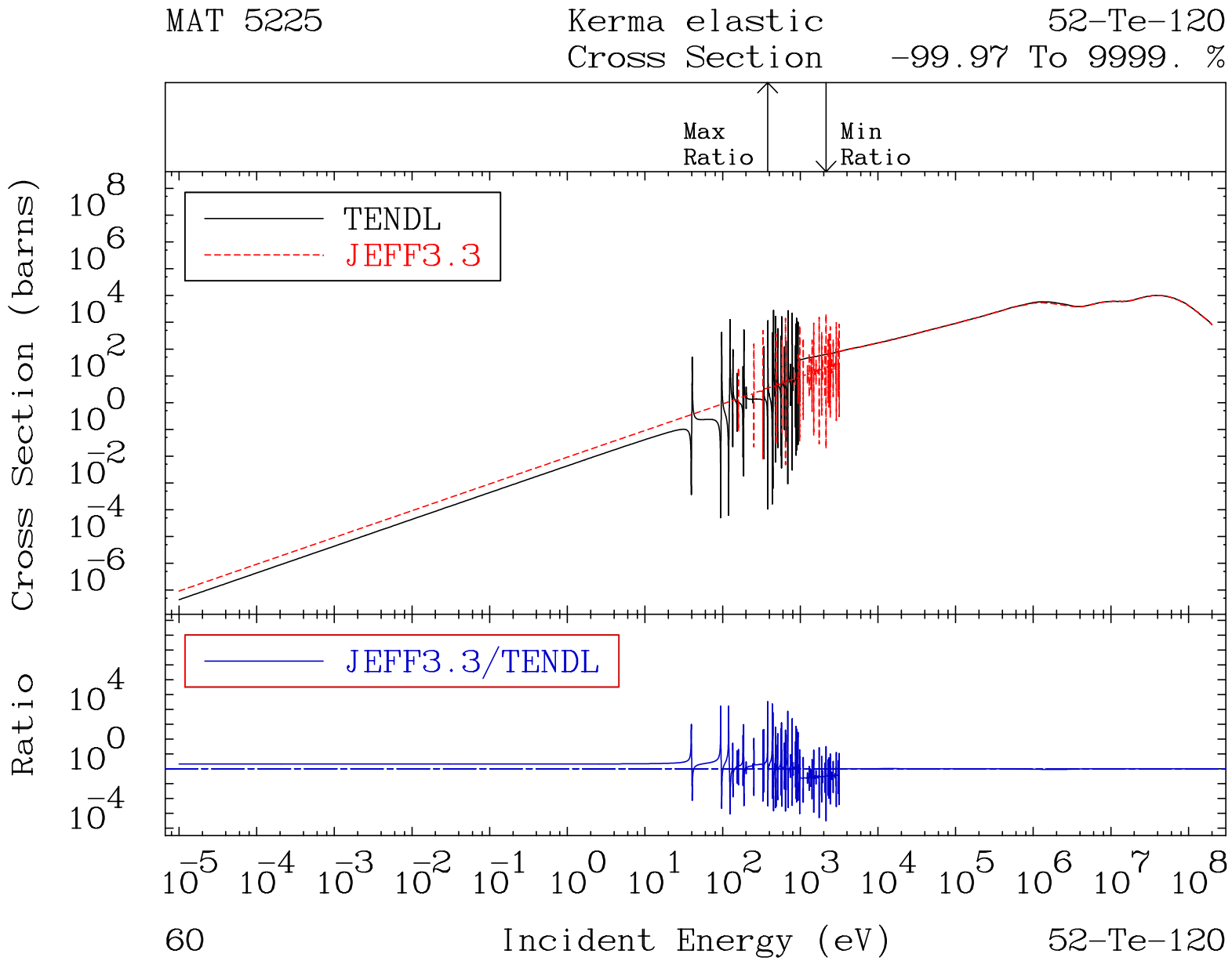

MAT 5225
Deuterium Production
52-Te-120
Cross Section
-100.0 To 56.87 %
Min Ratio
Max Ratio
TENDL Threshold 4.9927 MeV
JEFF3.3 Threshold 5.0001 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
55
Incident Energy (eV)
52-Te-120

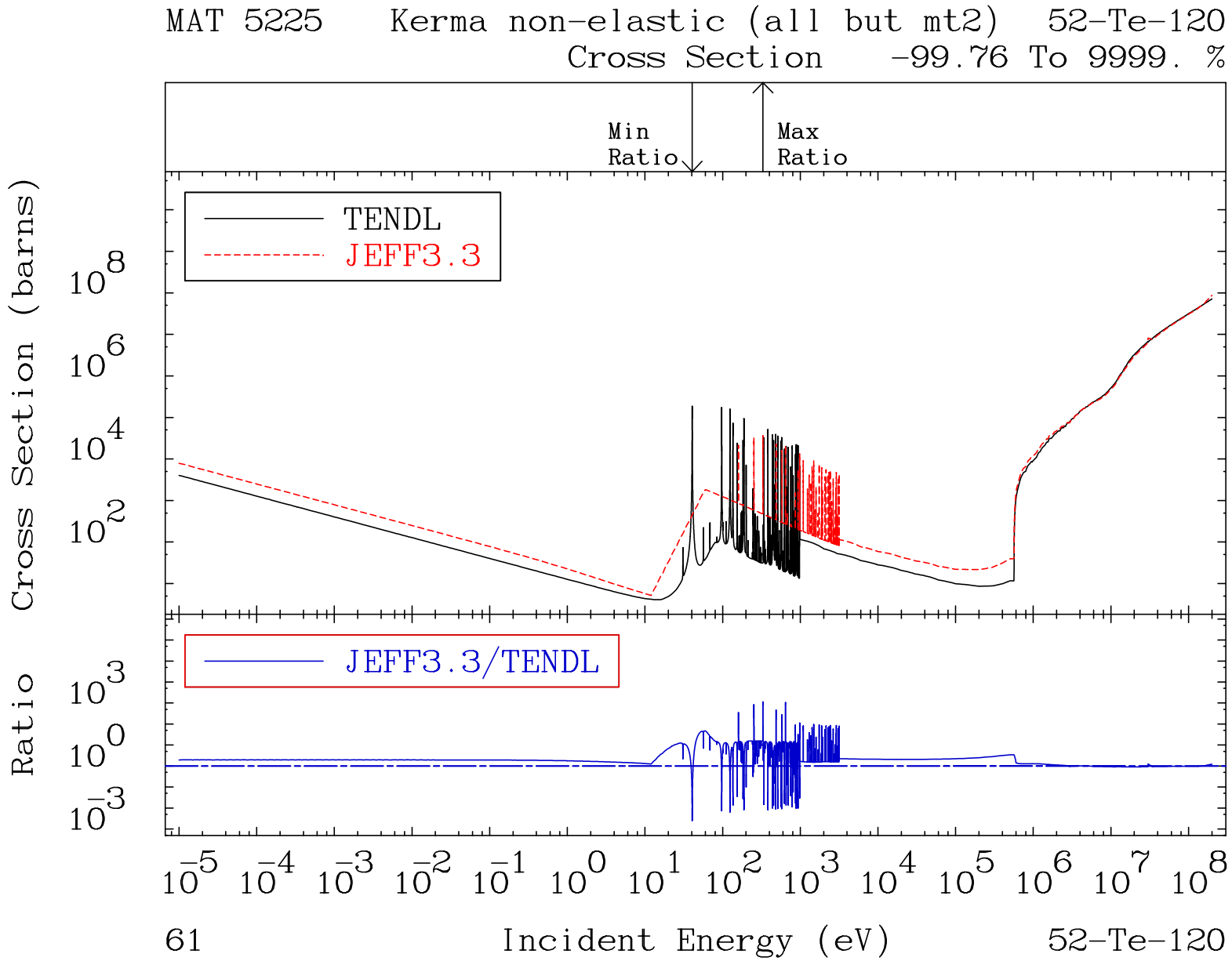

MAT 5225
Tritium Production
52-Te-120
Cross Section
-100.0 To 133.0 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JEFF3.3 Threshold 8.3198 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
56
Incident Energy (eV)
52-Te-120

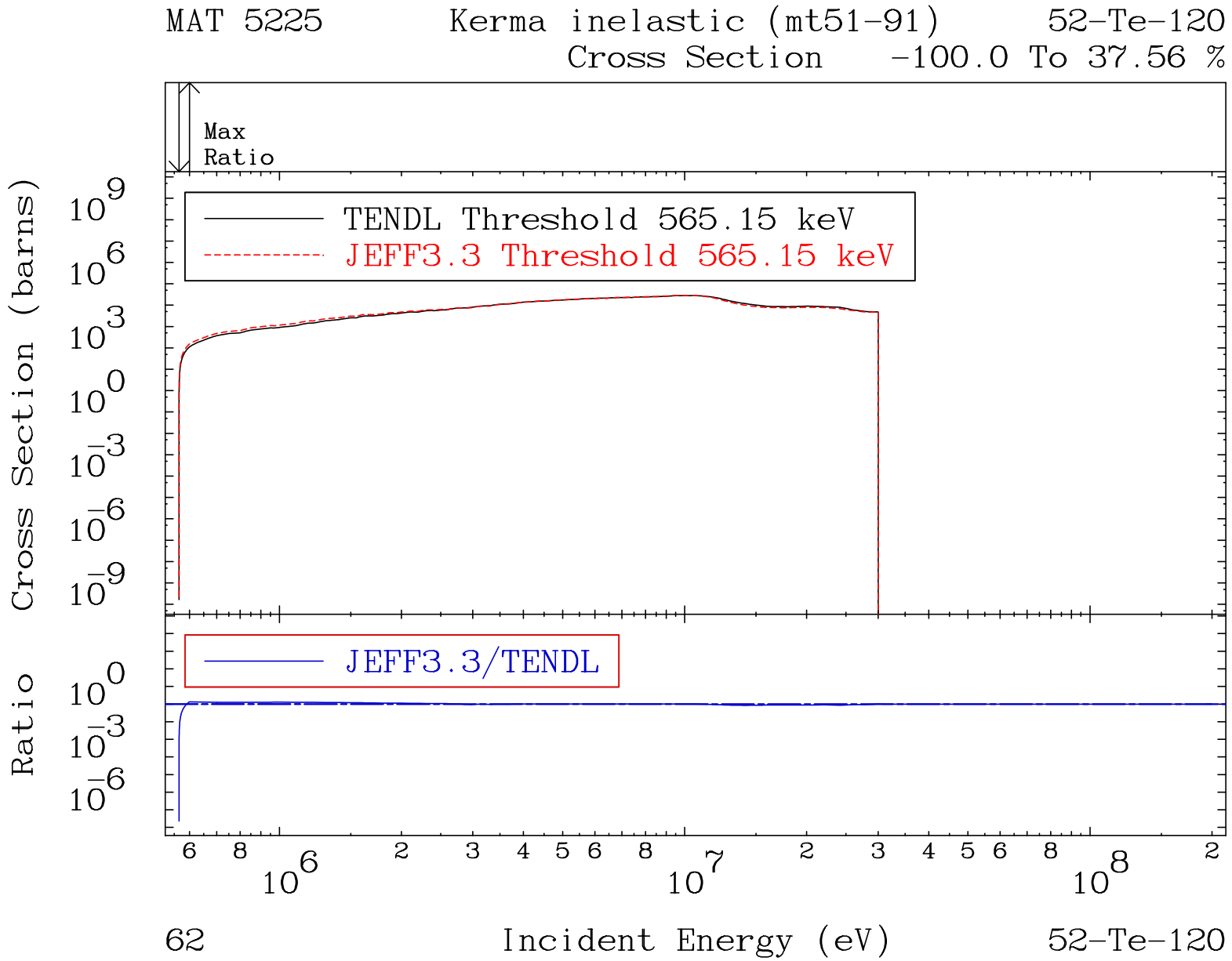

MAT 5225
He-3 Production
Cross Section
52-Te-120
-100.0 To 1.020 %
Min Ratio
Max Ratio
TENDL Threshold 4.6076 MeV
JEFF3.3 Threshold 4.6137 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
57
Incident Energy (eV)
52-Te-120

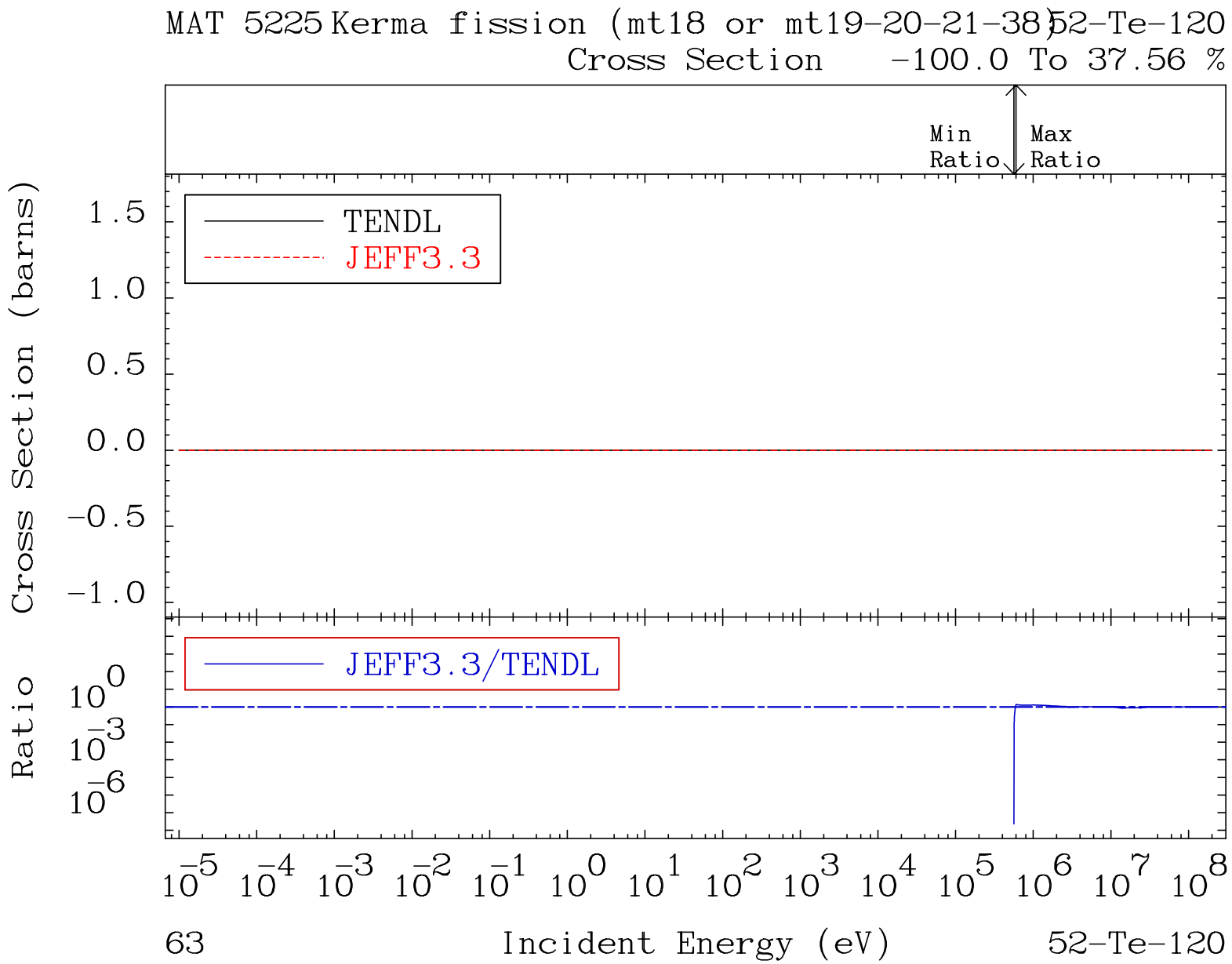

MAT 5225
He-4 Production
Cross Section
52-Te-120
-19.97 To 5603. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
52-Te-120

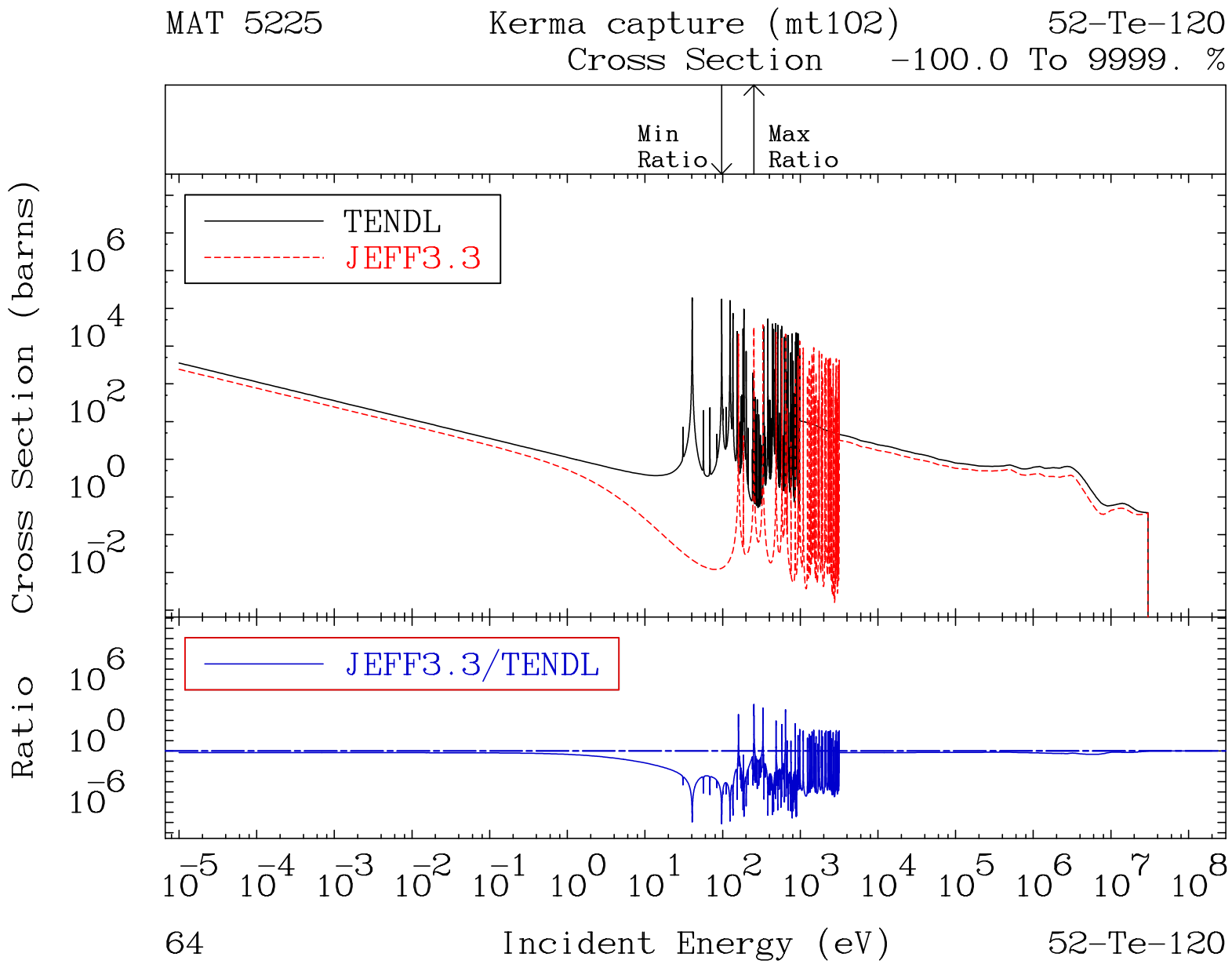

MAT 5225
Kerma total (eV-barns)
52-Te-120
Cross Section -99.76 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
52-Te-120

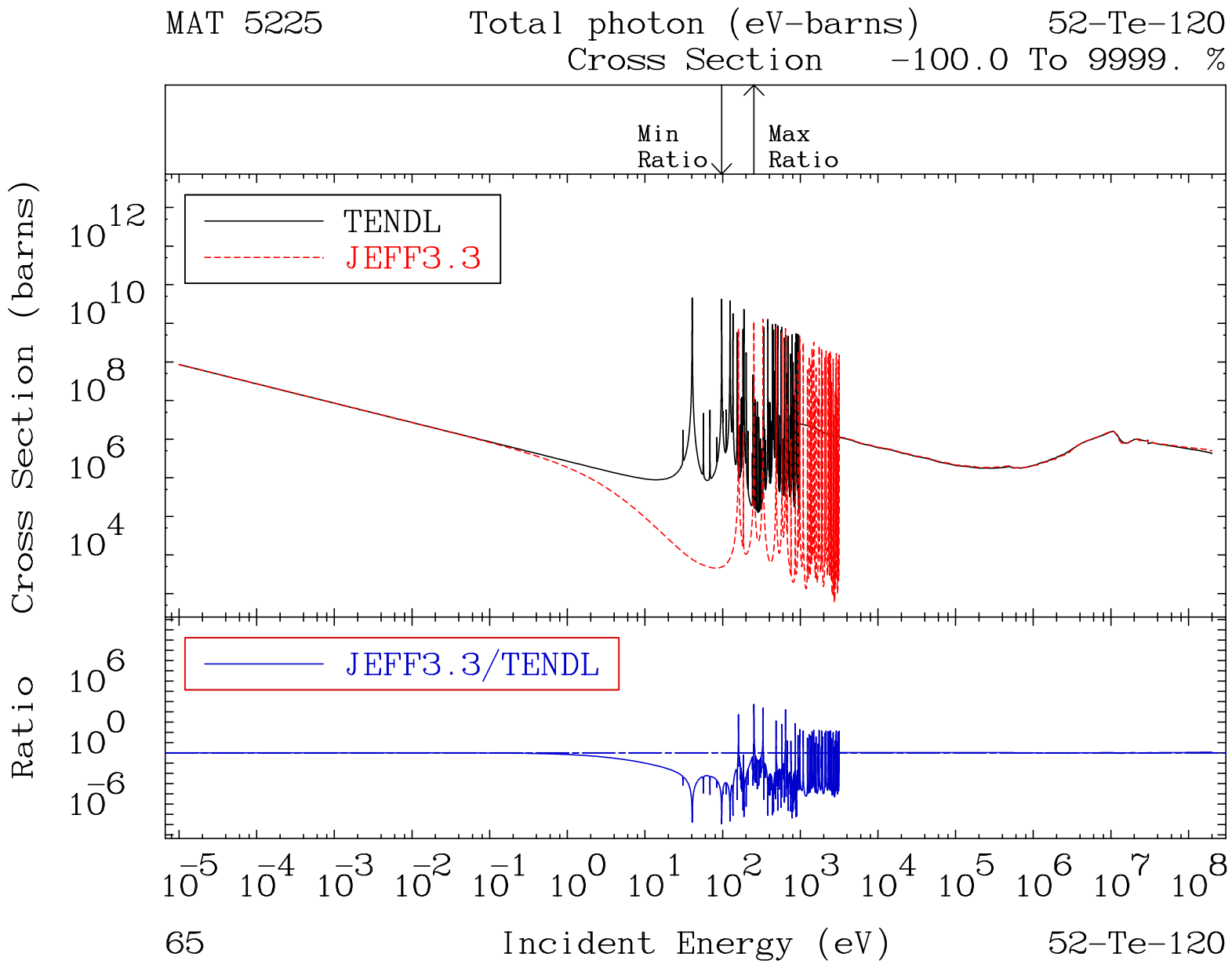

MAT 5225
Kerma elastic
Cross Section
52-Te-120
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
52-Te-120

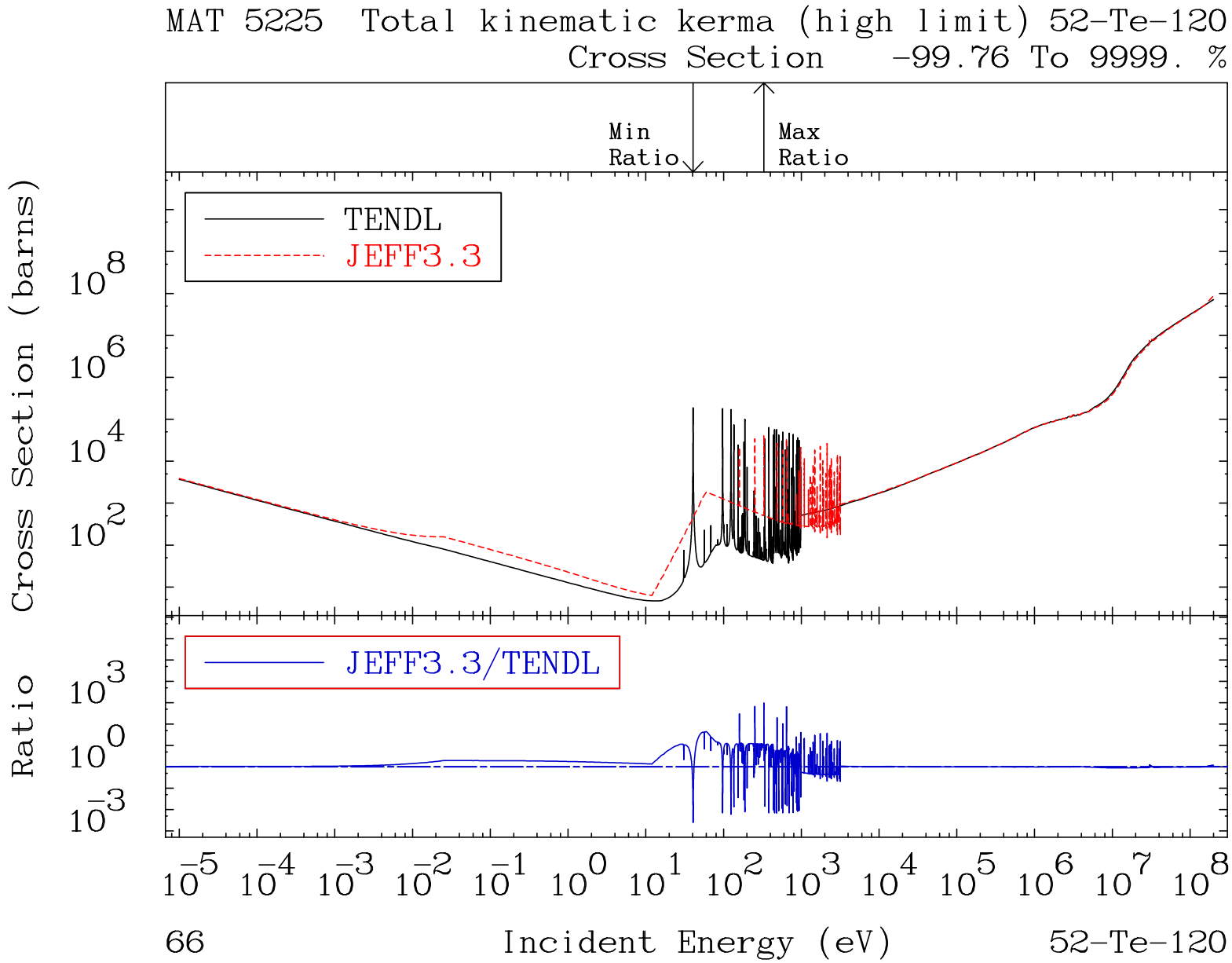

MAT 5225 Kerma non-elastic (all but mt2) 52-Te-120
Cross Section -99.76 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
52-Te-120

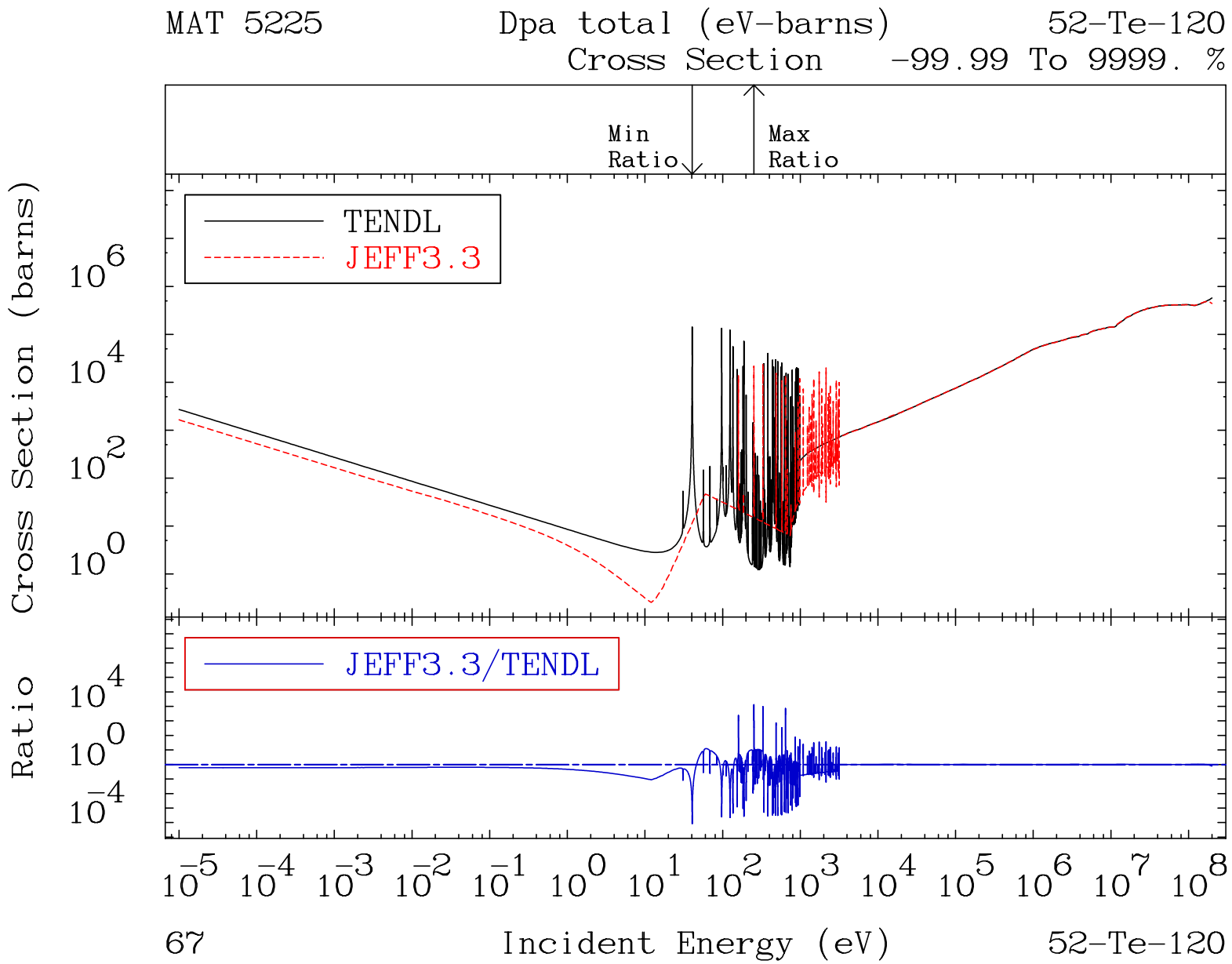

MAT 5225
Kerma inelastic (mt51-91)
52-Te-120
Cross Section
-100.0 To 37.56 %
Max
Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
52-Te-120

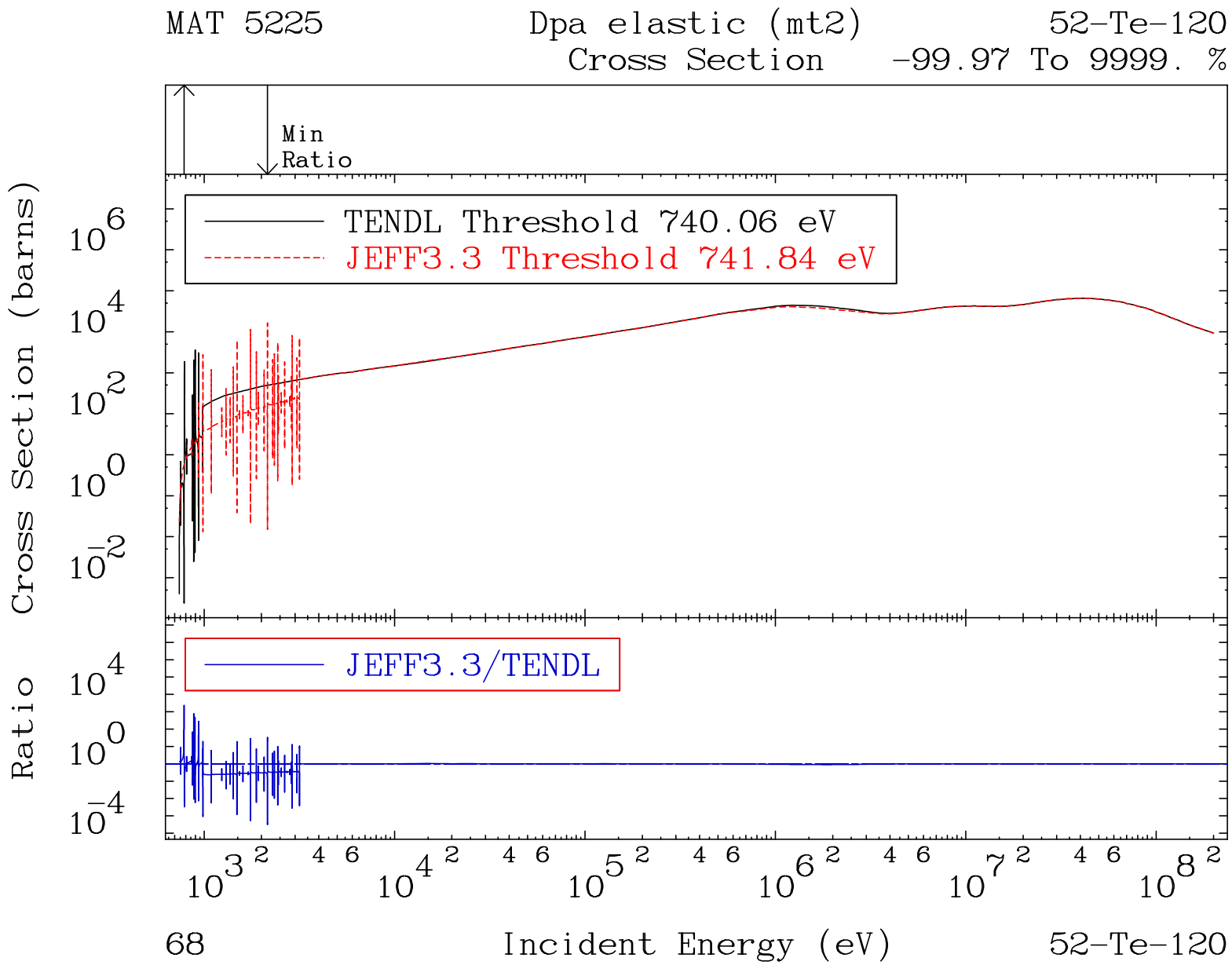

MAT 5225 Kerma fission (mt18 or mt19-20-21-38) 52-Te-120
Cross Section -100.0 To 37.56 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-3}
10^{-6}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
63
Incident Energy (eV)
52-Te-120

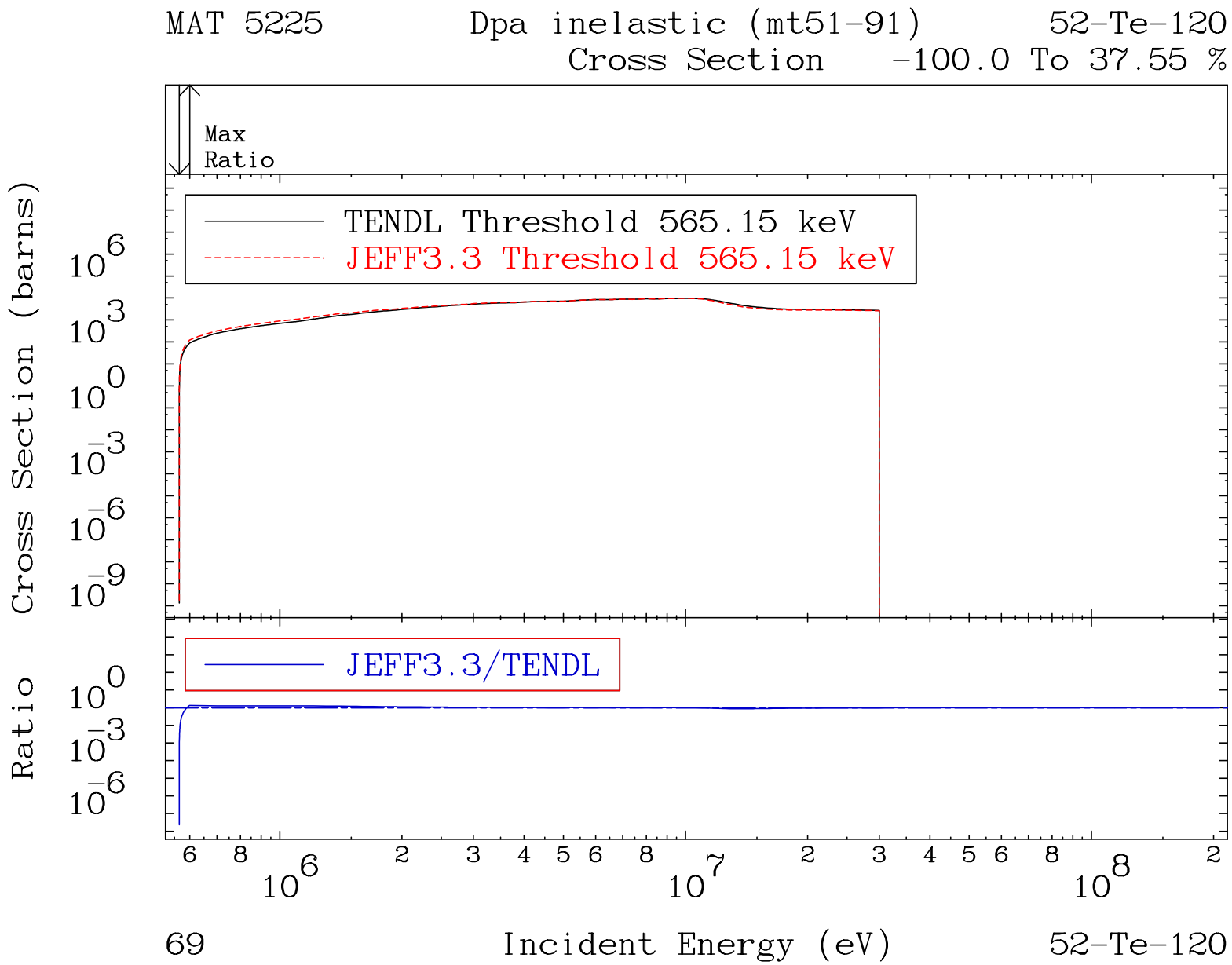

MAT 5225
Kerma capture (mt102)
52-Te-120
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
52-Te-120

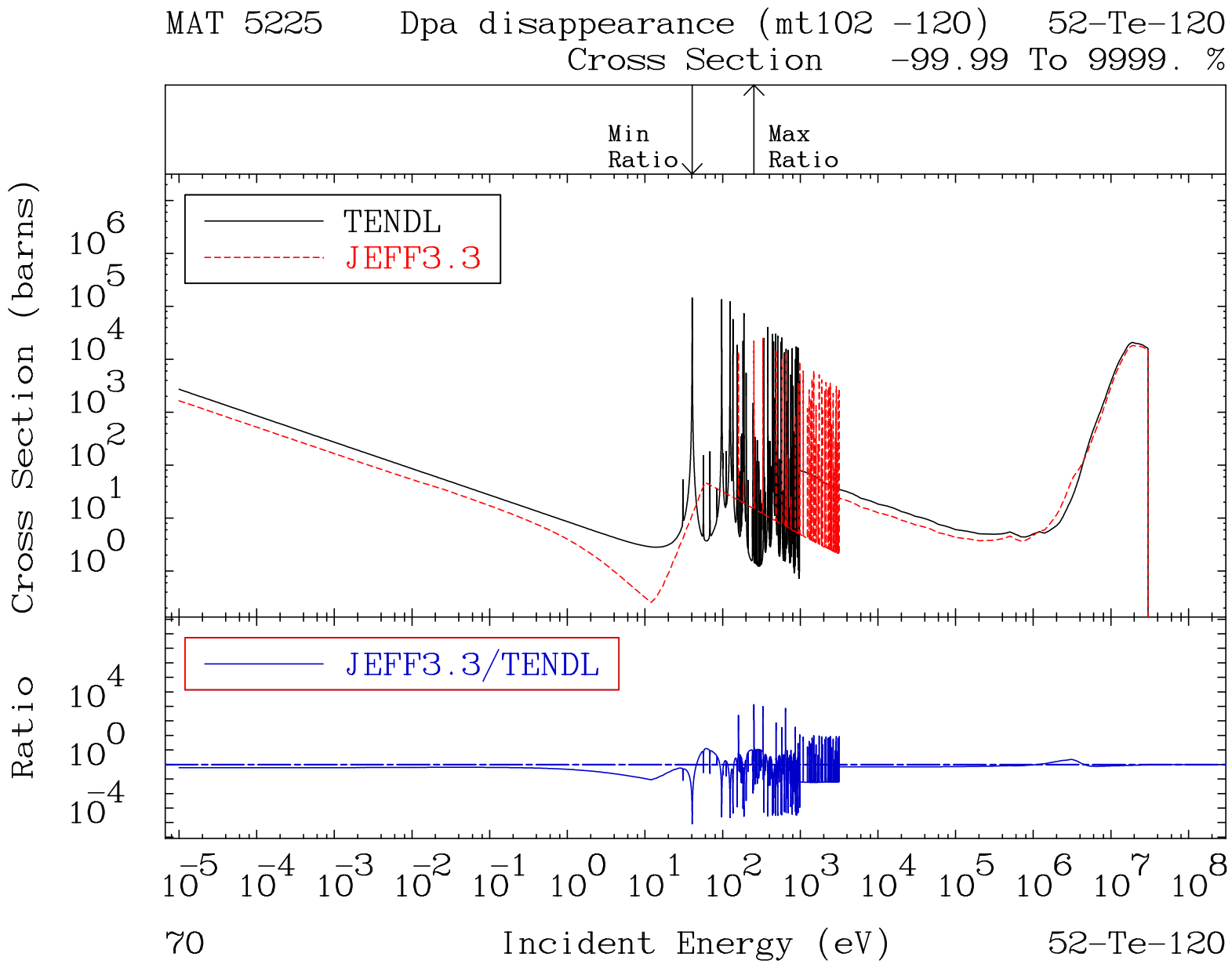

MAT 5225
Total photon (eV-barns)
52-Te-120
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
52-Te-120

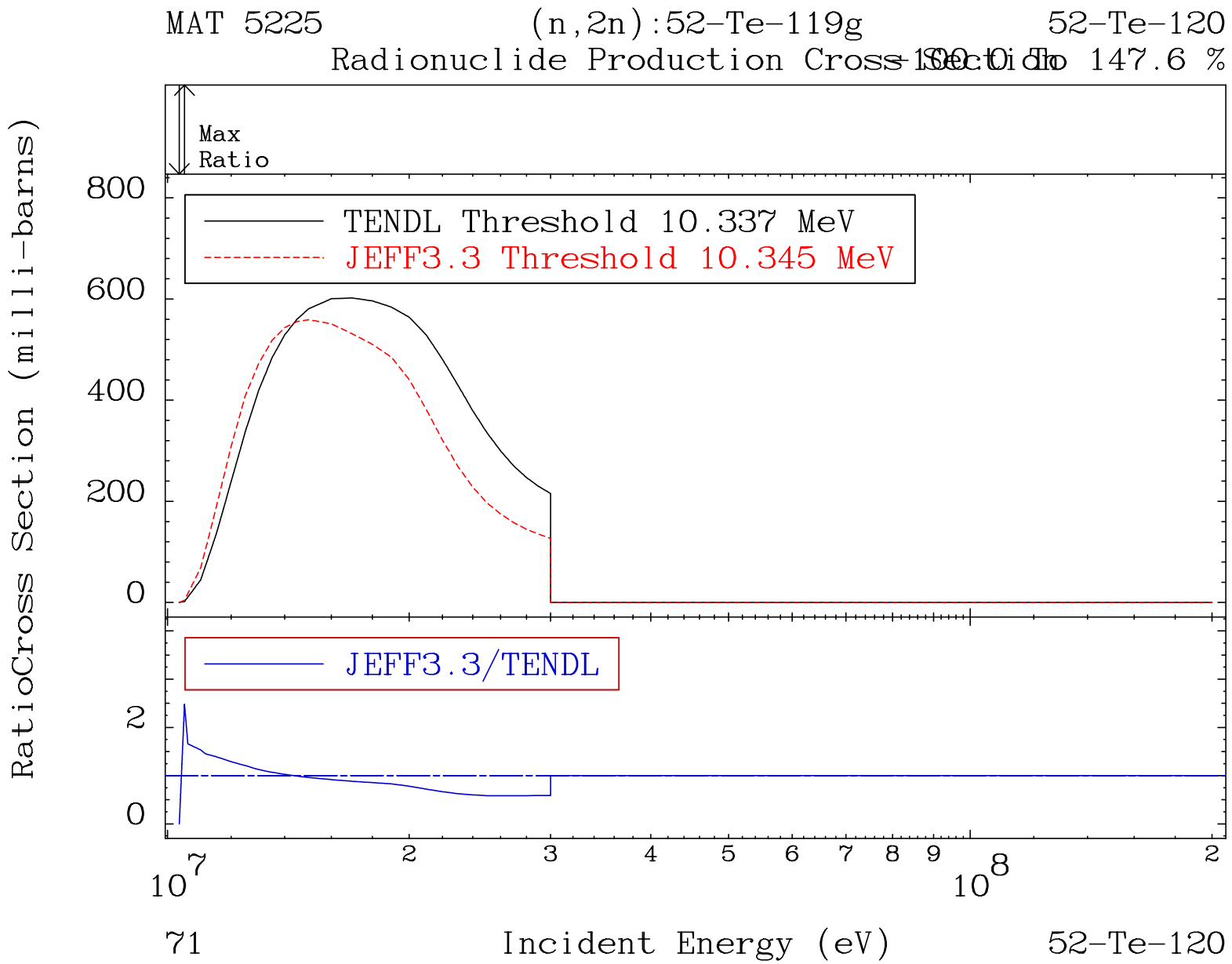

MAT 5225 Total kinematic kerma (high limit) 52-Te-120
Cross Section -99.76 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
52-Te-120

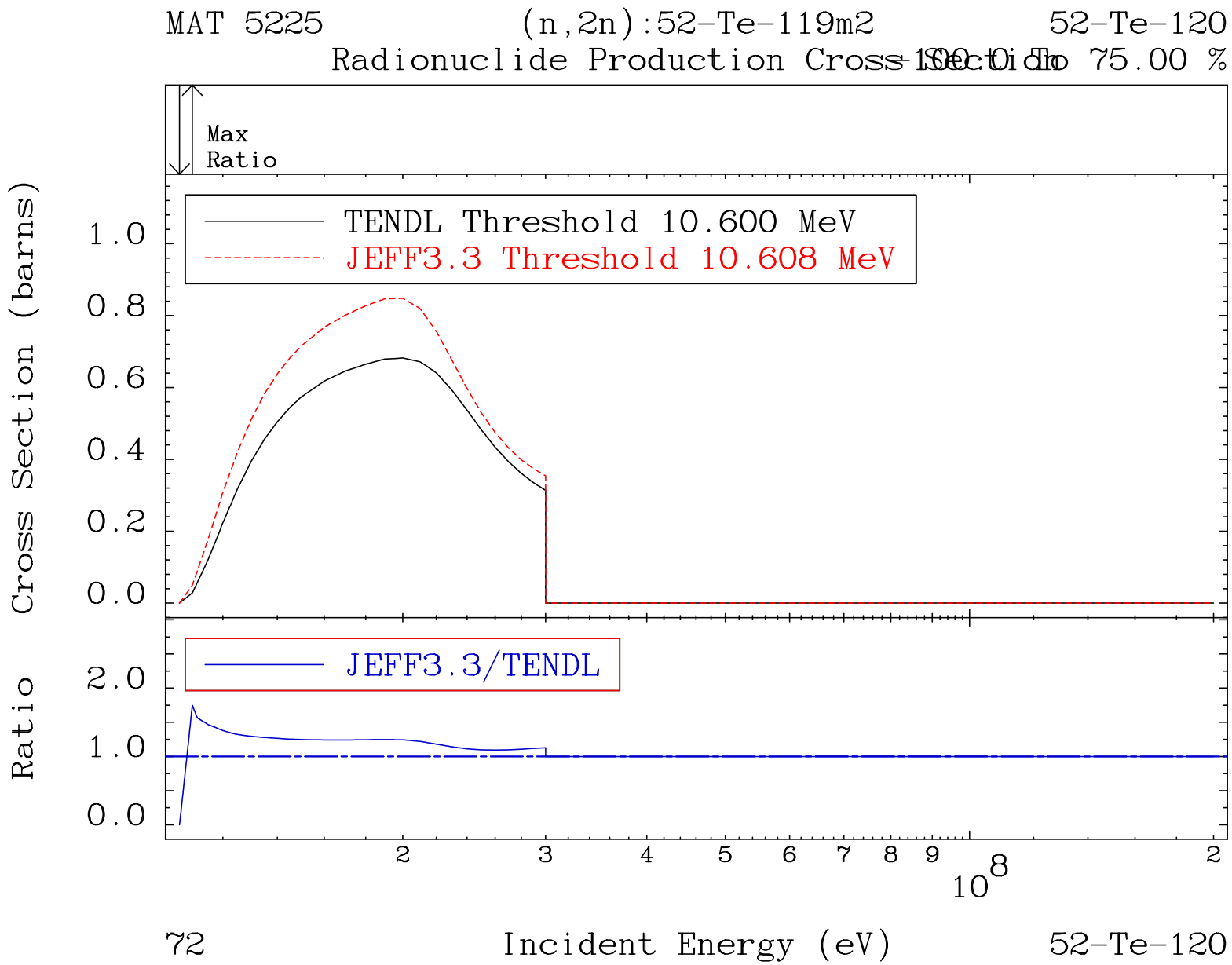

MAT 5225
Dpa total (eV-barns)
52-Te-120
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
52-Te-120

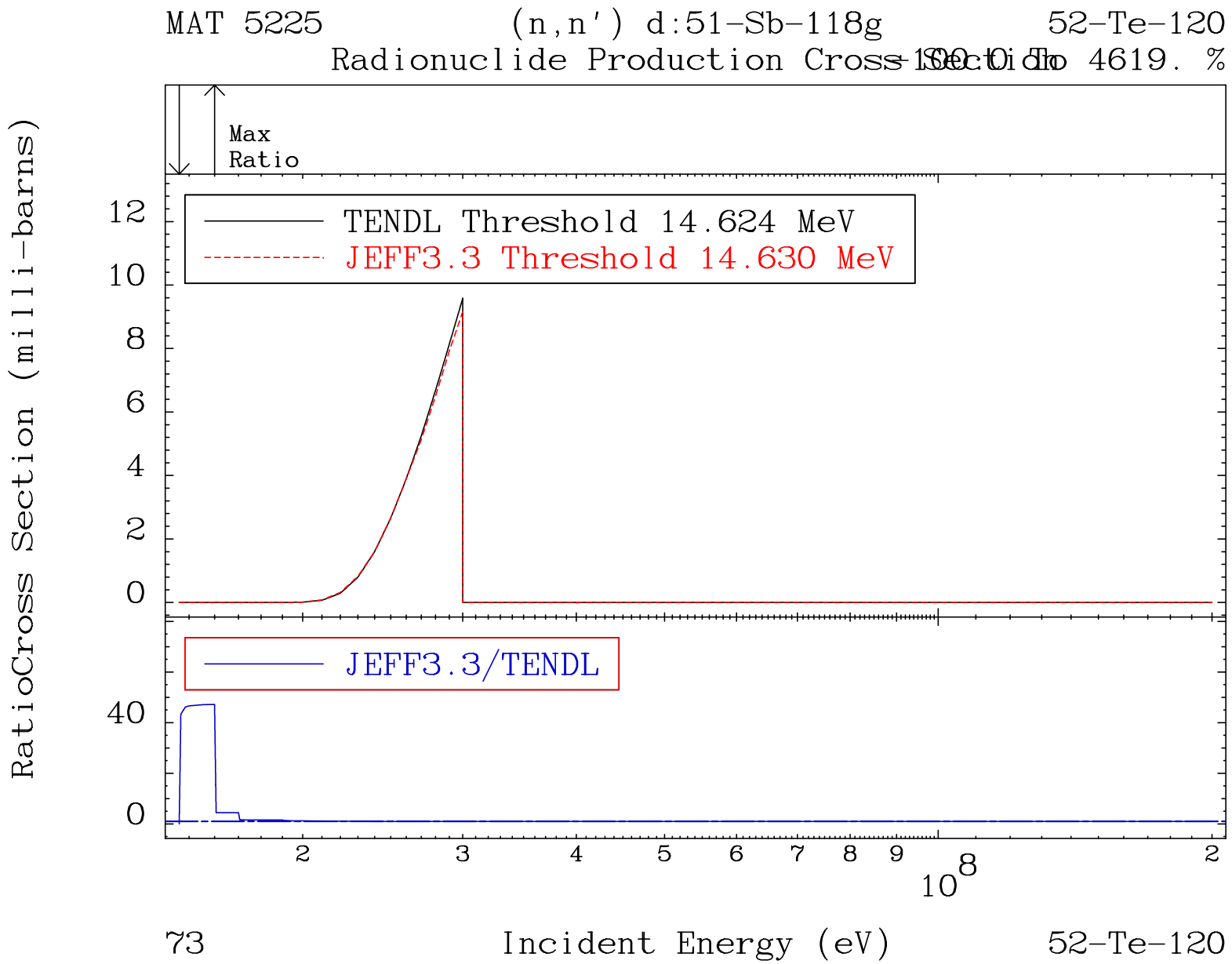

MAT 5225
Dpa elastic (mt2)
Cross Section
52-Te-120
-99.97 To 9999. %
Min
Ratio
TENDL Threshold 740.06 eV
JEFF3.3 Threshold 741.84 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
52-Te-120

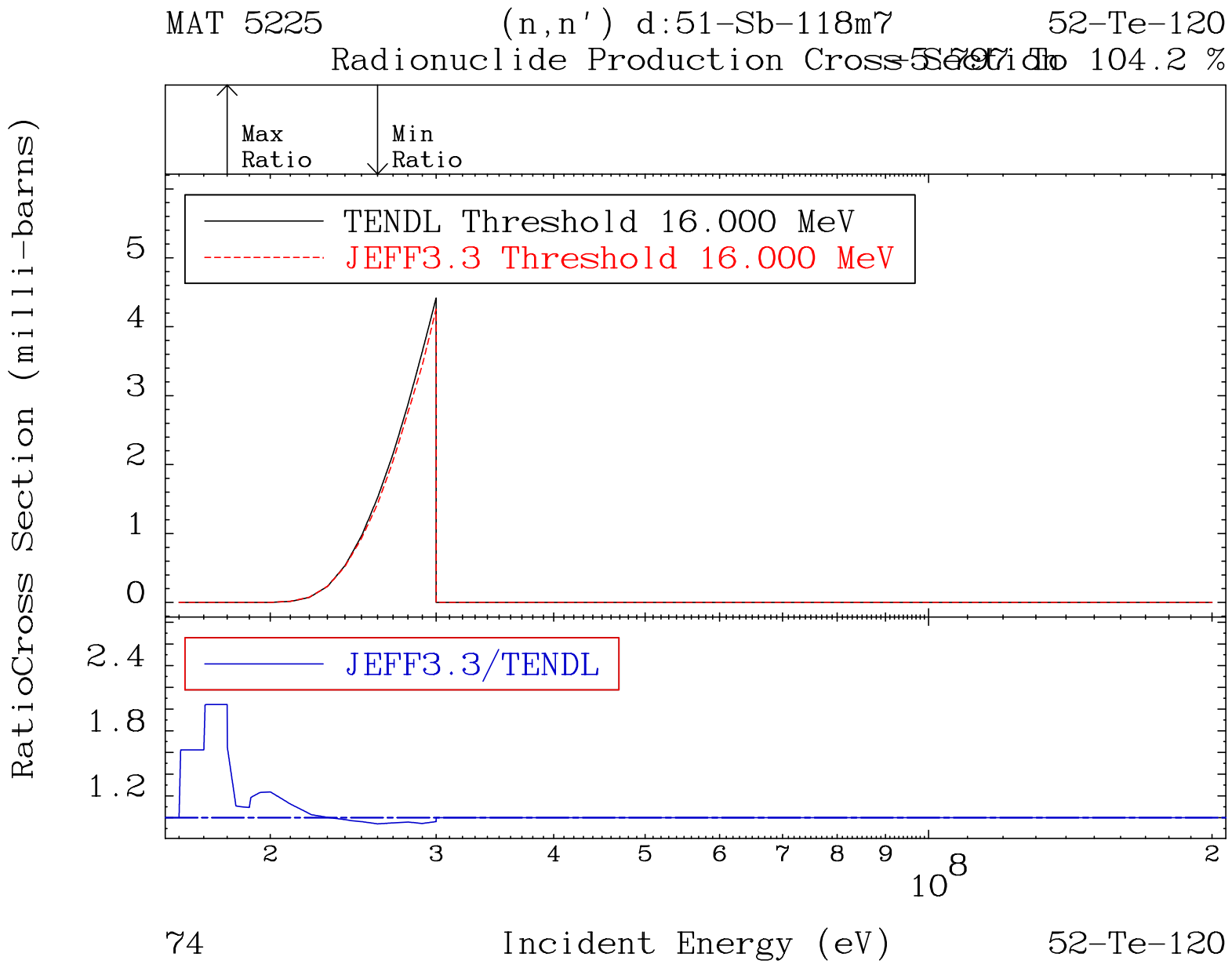

MAT 5225
Dpa inelastic (mt51-91)
52-Te-120
Cross Section -100.0 To 37.55 %
Max
Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
52-Te-120

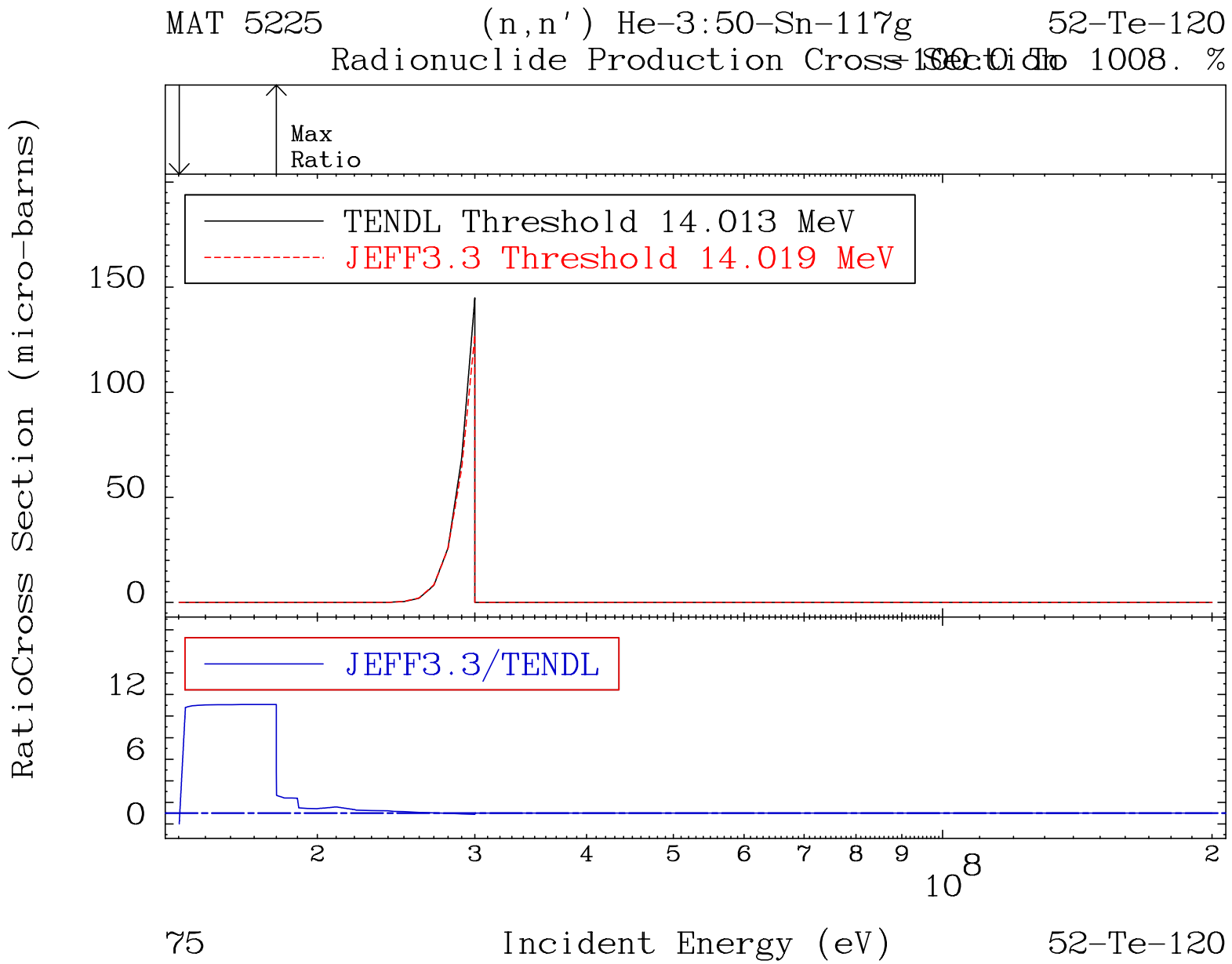

MAT 5225 Dpa disappearance (mt102 -120) 52-Te-120
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
52-Te-120

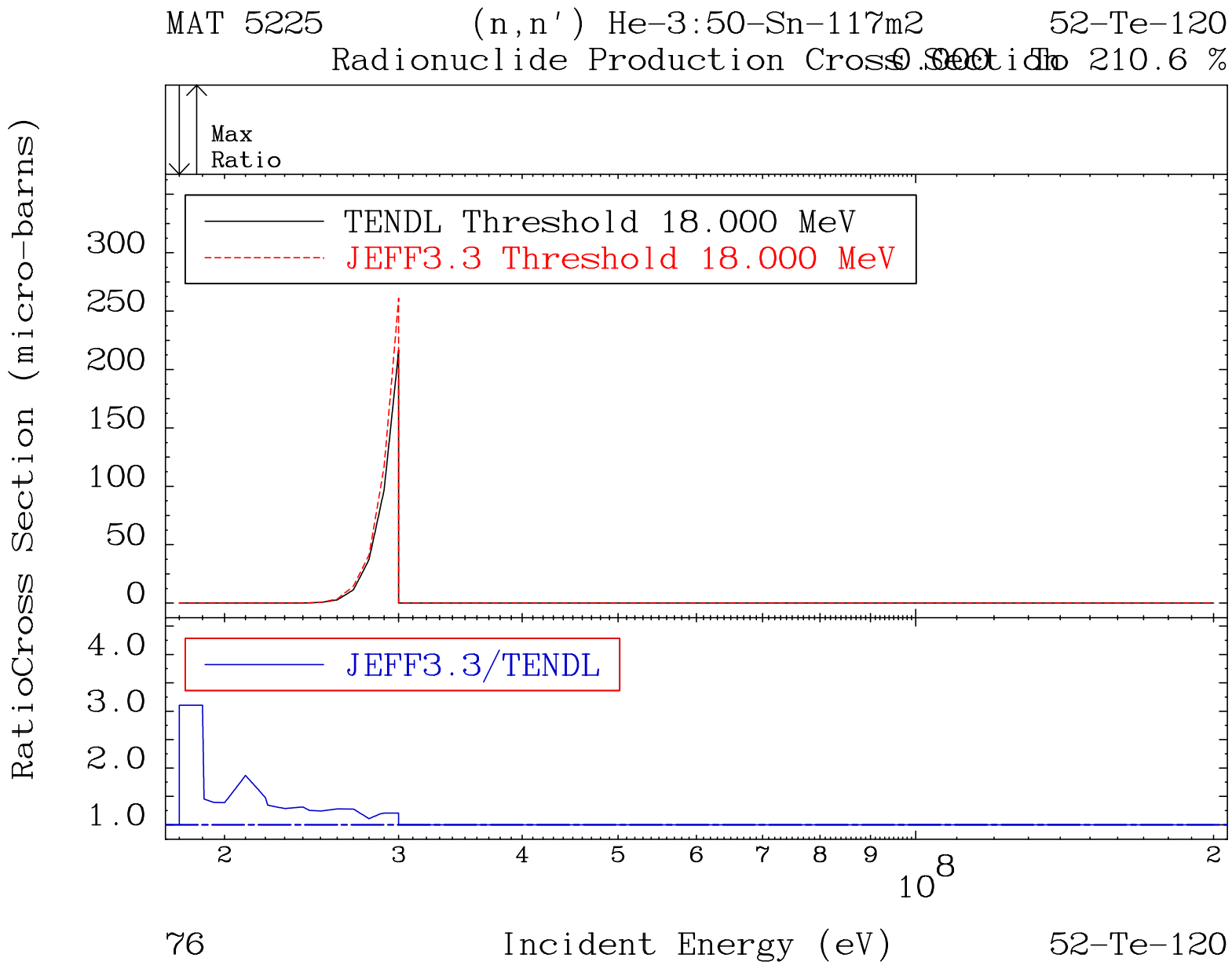

MAT 5225
(n,2n):52-Te-119g
52-Te-120
Radionuclide Production Cross Section To 147.6 %
Max
Ratio
800
600
400
200
0
TENDL Threshold 10.337 MeV
JEFF3.3 Threshold 10.345 MeV
JEFF3.3/TENDL
2
0
RatioCross Section (milli-barns)
10^7
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
52-Te-120

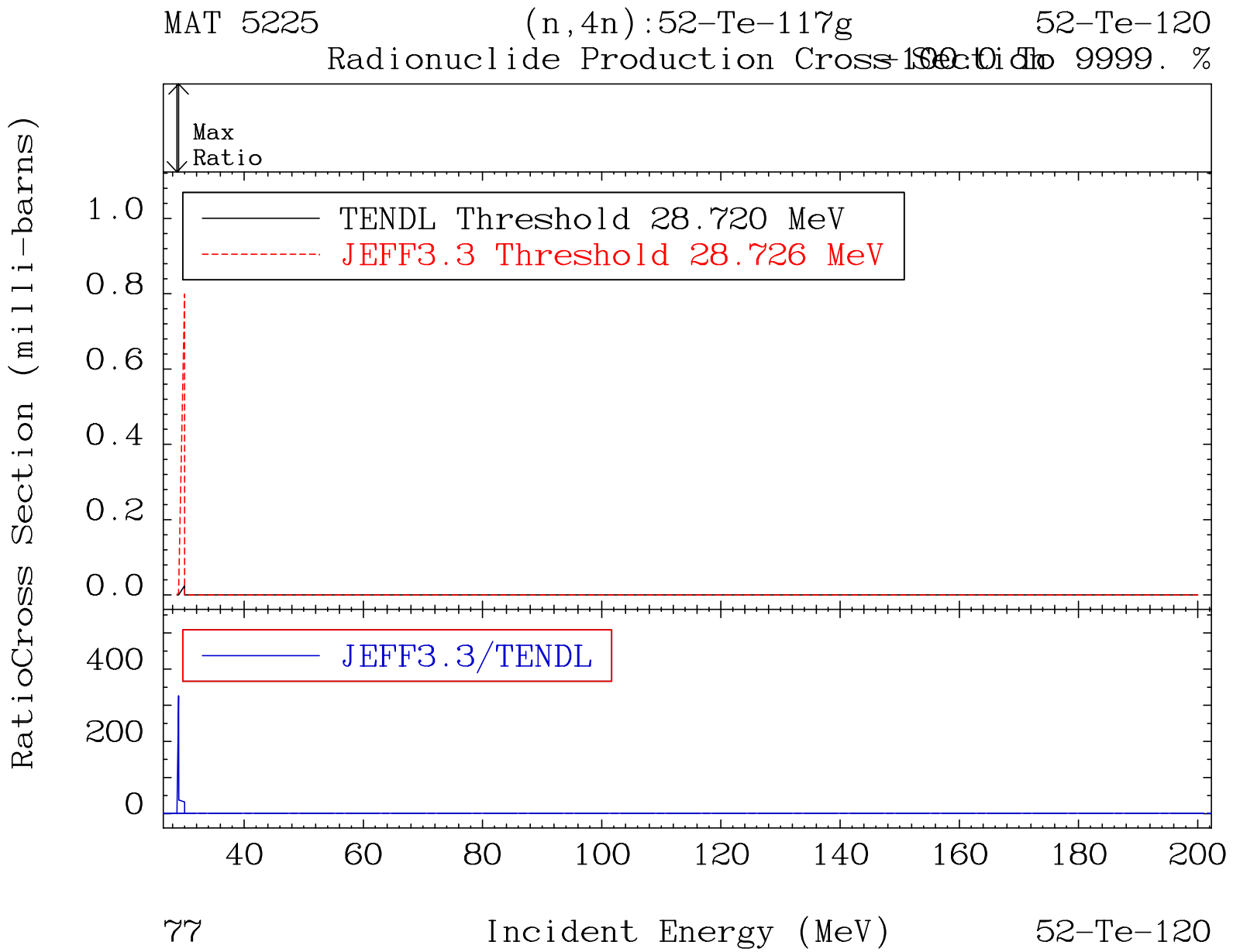

MAT 5225
(n,2n):52-Te-119m2
52-Te-120
Radionuclide Production Cross Section To 75.00 %
Max
Ratio
TENDL Threshold 10.600 MeV
JEFF3.3 Threshold 10.608 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
72
Incident Energy (eV)
52-Te-120

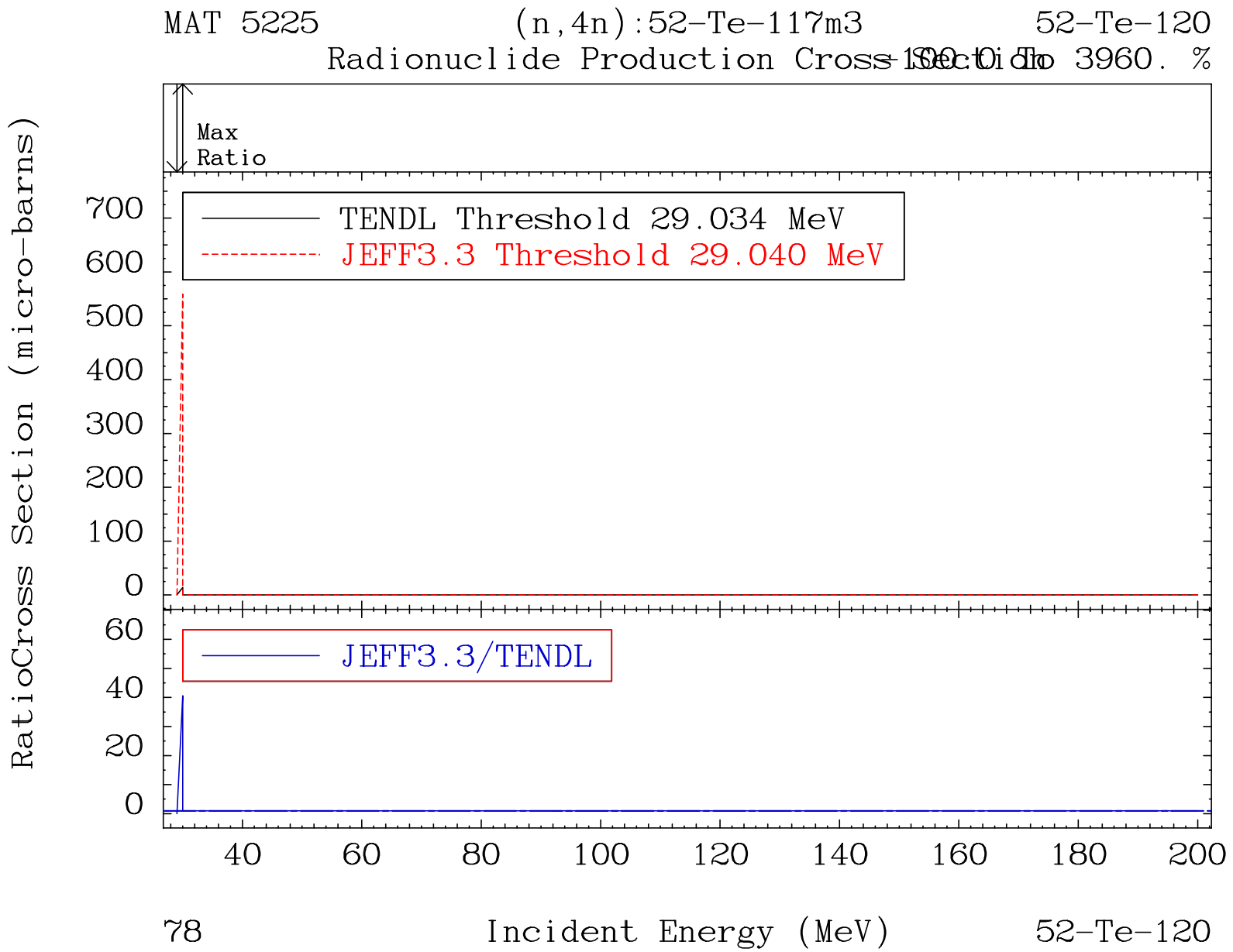

MAT 5225
(n,n') d:51-Sb-118g
52-Te-120
Radionuclide Production Cross Section To 4619. %
Max
Ratio
TENDL Threshold 14.624 MeV
JEFF3.3 Threshold 14.630 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
40
0
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
52-Te-120

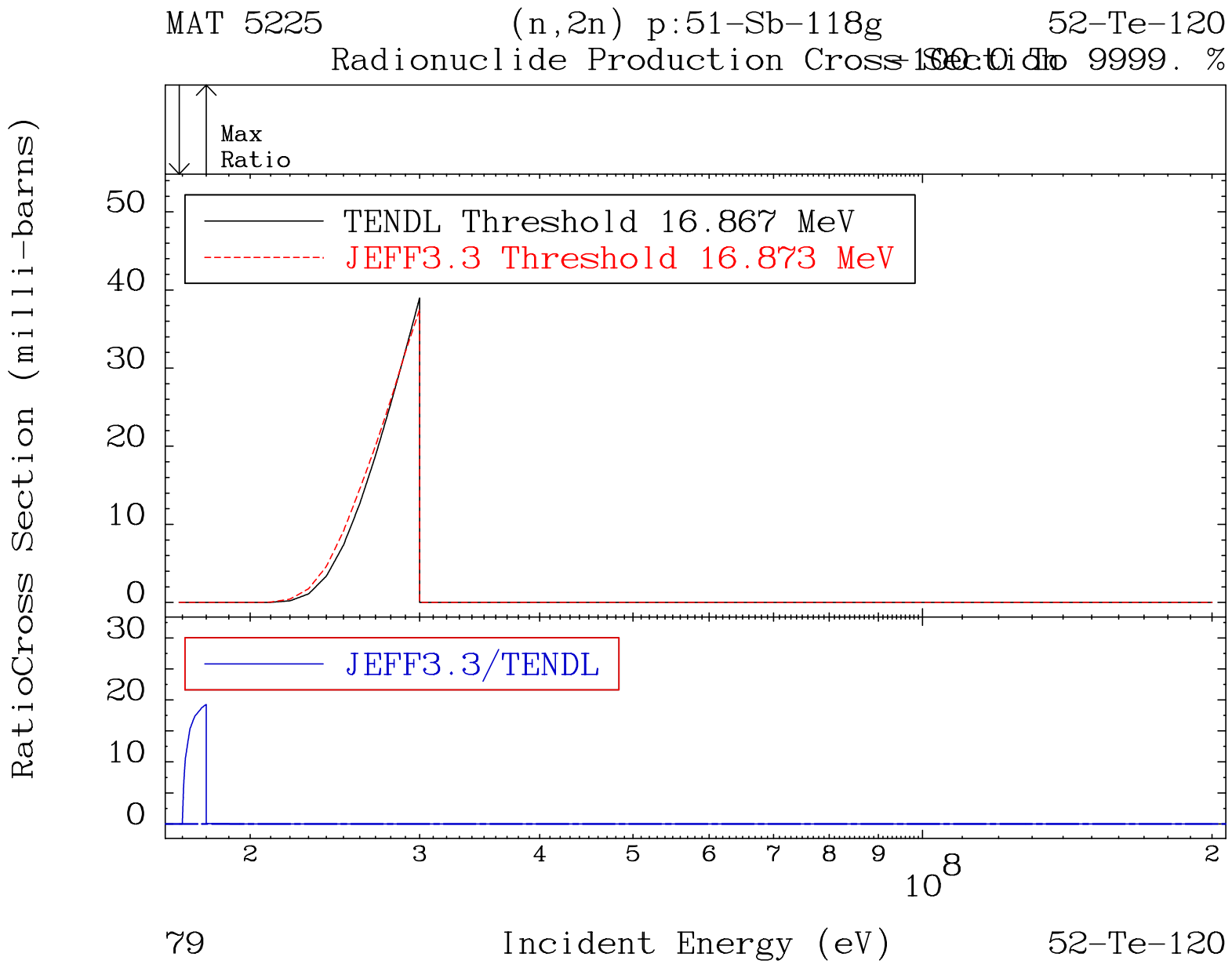

MAT 5225 (n,n') d:51-Sb-118m7 52-Te-120
Radionuclide Production Cross Section To 104.2 %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
52-Te-120

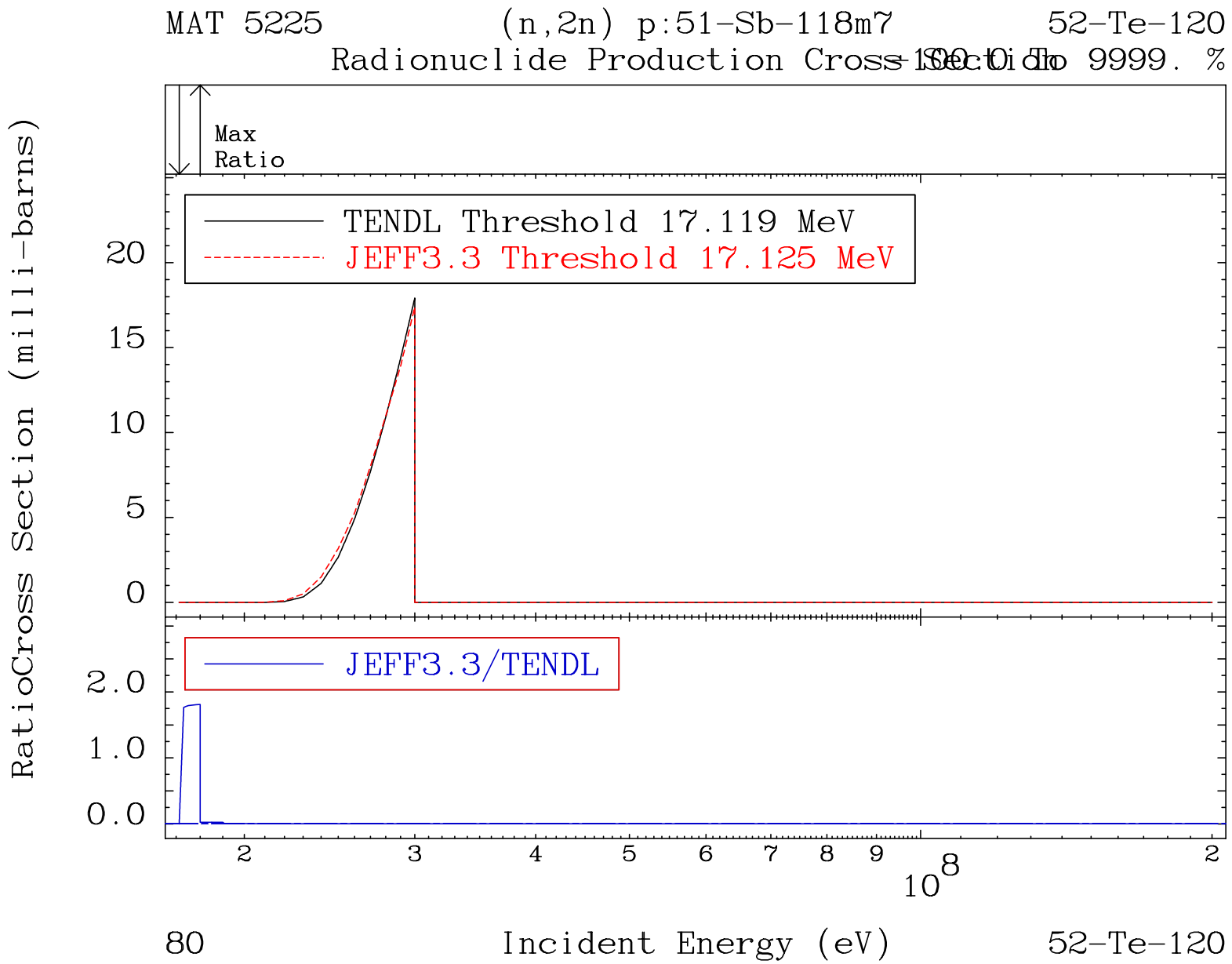

MAT 5225 (n,n') He-3:50-Sn-117g 52-Te-120
Radionuclide Production Cross Section To 1008. %
Max
Ratio
TENDL Threshold 14.013 MeV
JEFF3.3 Threshold 14.019 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
150
100
50
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
52-Te-120

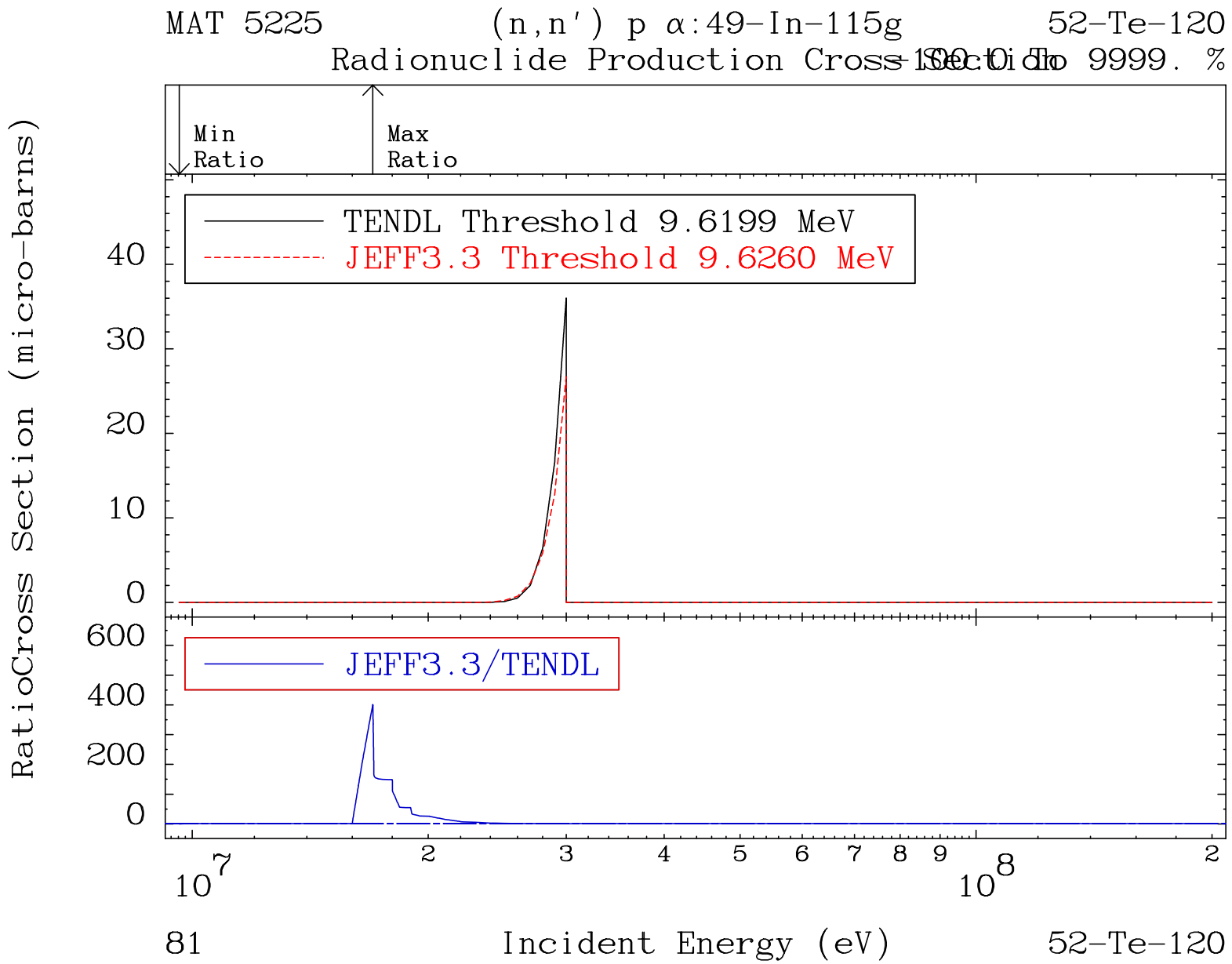

MAT 5225
(n,n') He-3:50-Sn-117m2
52-Te-120
Radionuclide Production Cross Section
0.000 To 210.6 %
Max
Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 18.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
52-Te-120

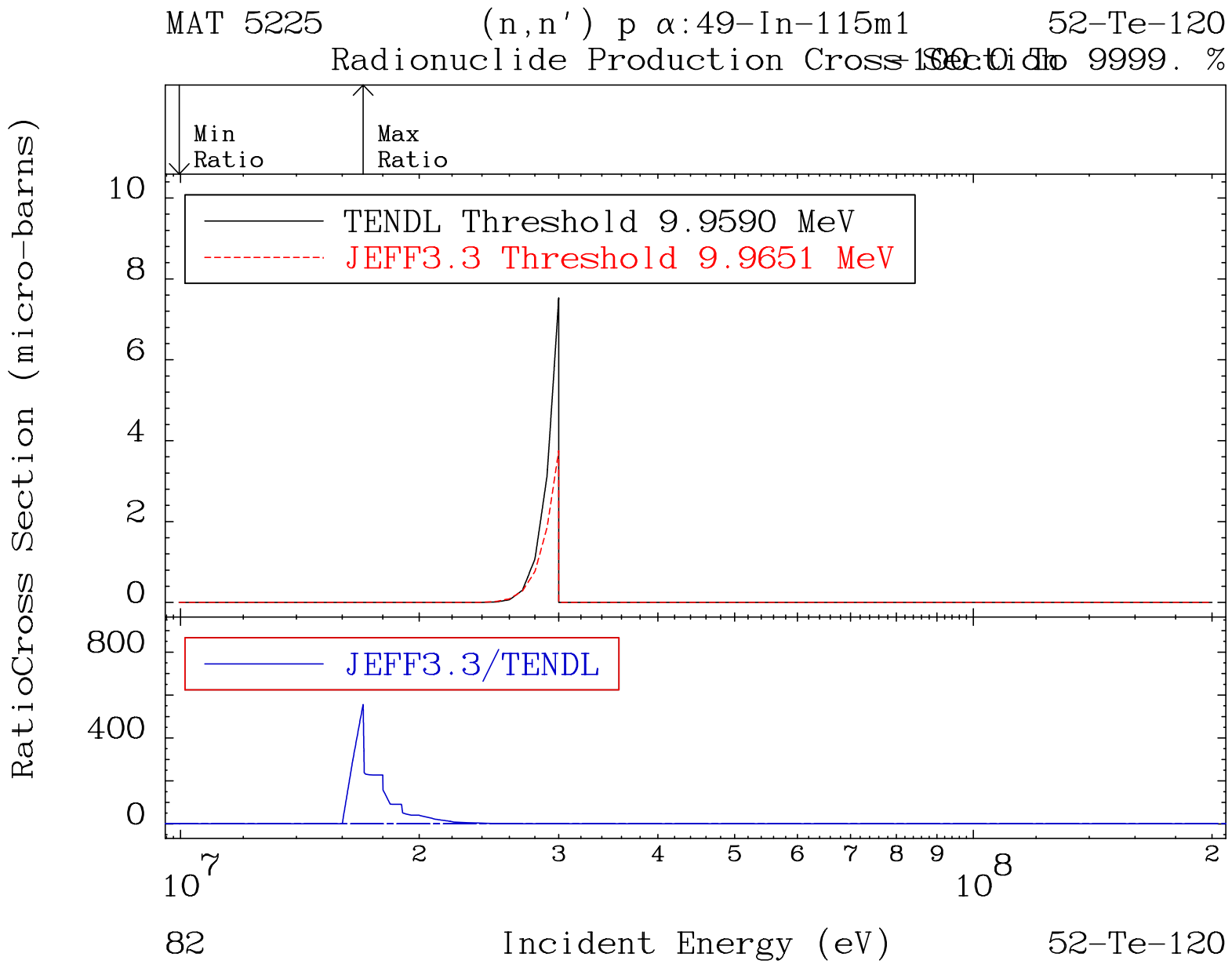

MAT 5225
(n,4n):52-Te-117g
52-Te-120
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 28.720 MeV
JEFF3.3 Threshold 28.726 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
52-Te-120

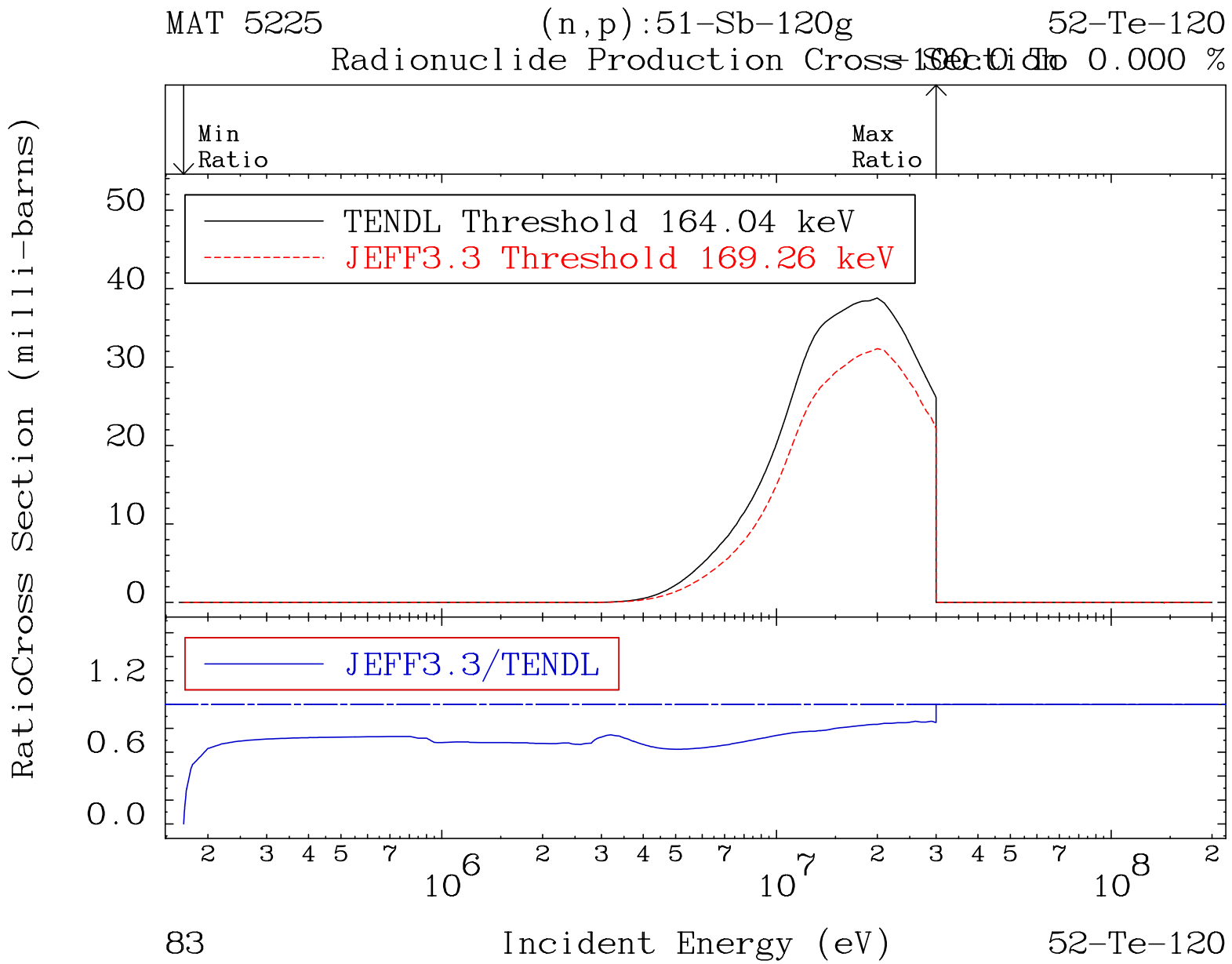

MAT 5225
(n,4n):52-Te-117m3
52-Te-120
Radionuclide Production Cross Section To
Max
Ratio
TENDL Threshold 29.034 MeV
JEFF3.3 Threshold 29.040 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
60
40
20
0
40
60
80
100
120
140
160
180
200
78
Incident Energy (MeV)
52-Te-120

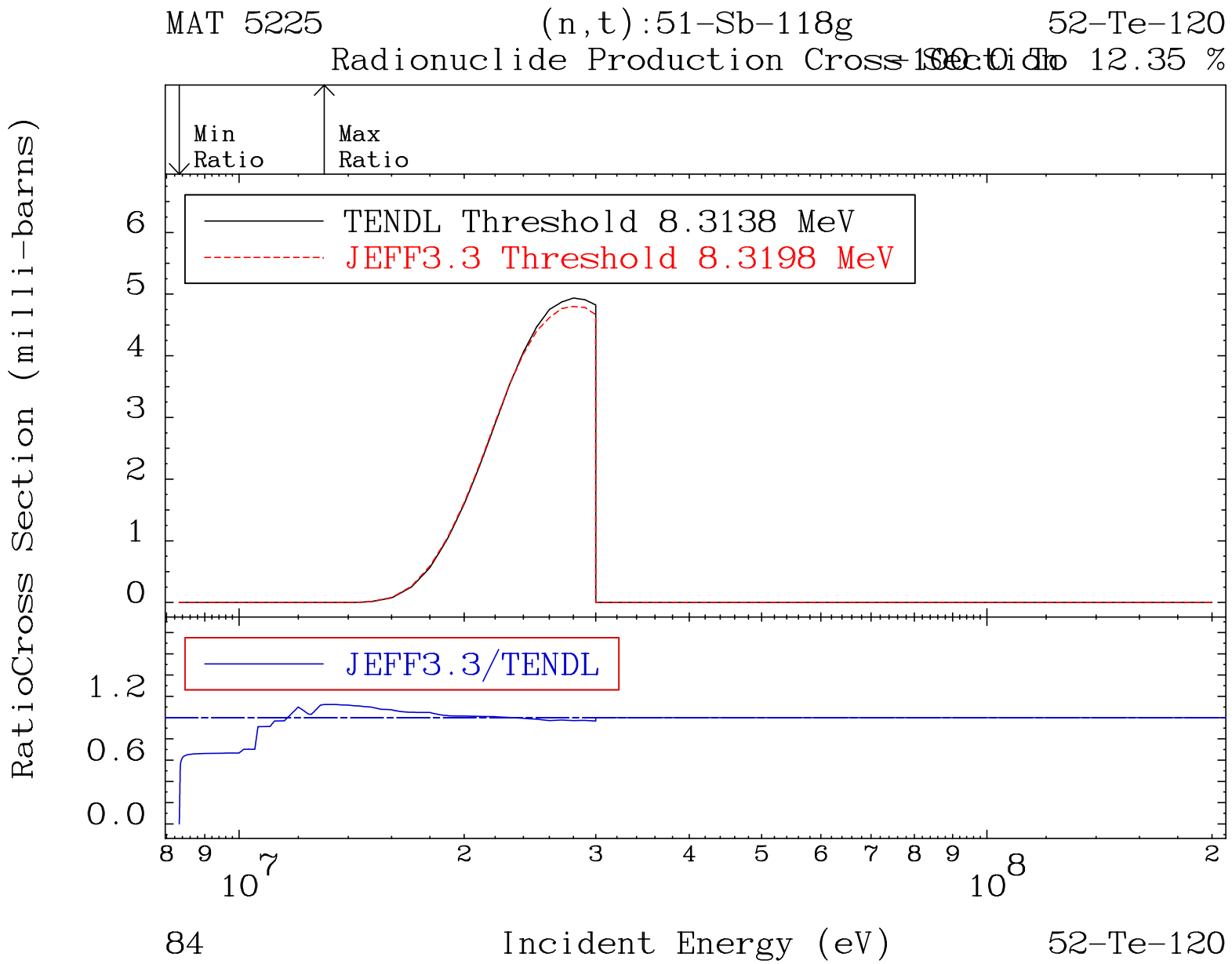

MAT 5225
(n,2n) p:51-Sb-118g
52-Te-120
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 16.867 MeV
JEFF3.3 Threshold 16.873 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
52-Te-120

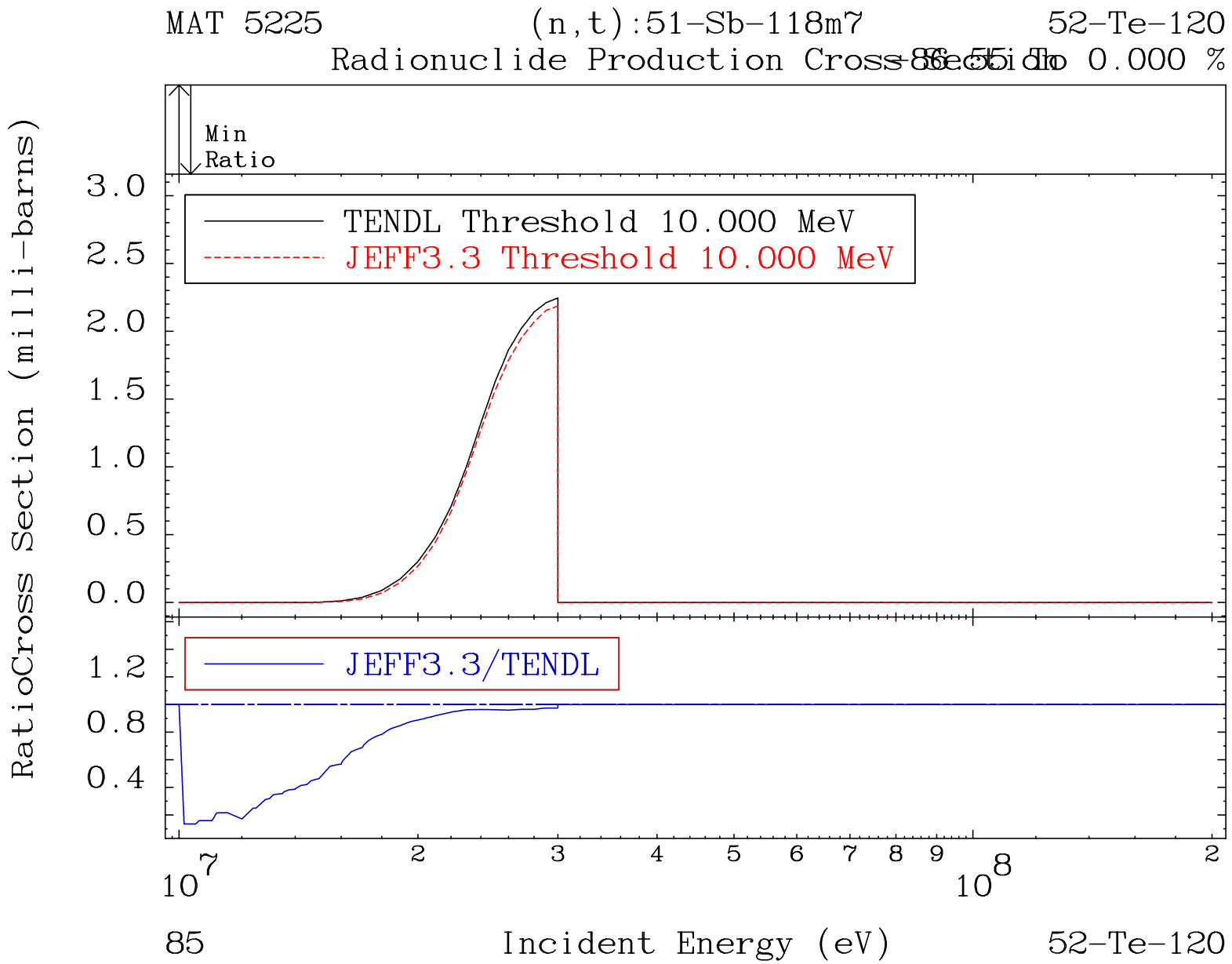

MAT 5225
(n,2n) p:51-Sb-118m7
52-Te-120
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 17.119 MeV
JEFF3.3 Threshold 17.125 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
52-Te-120

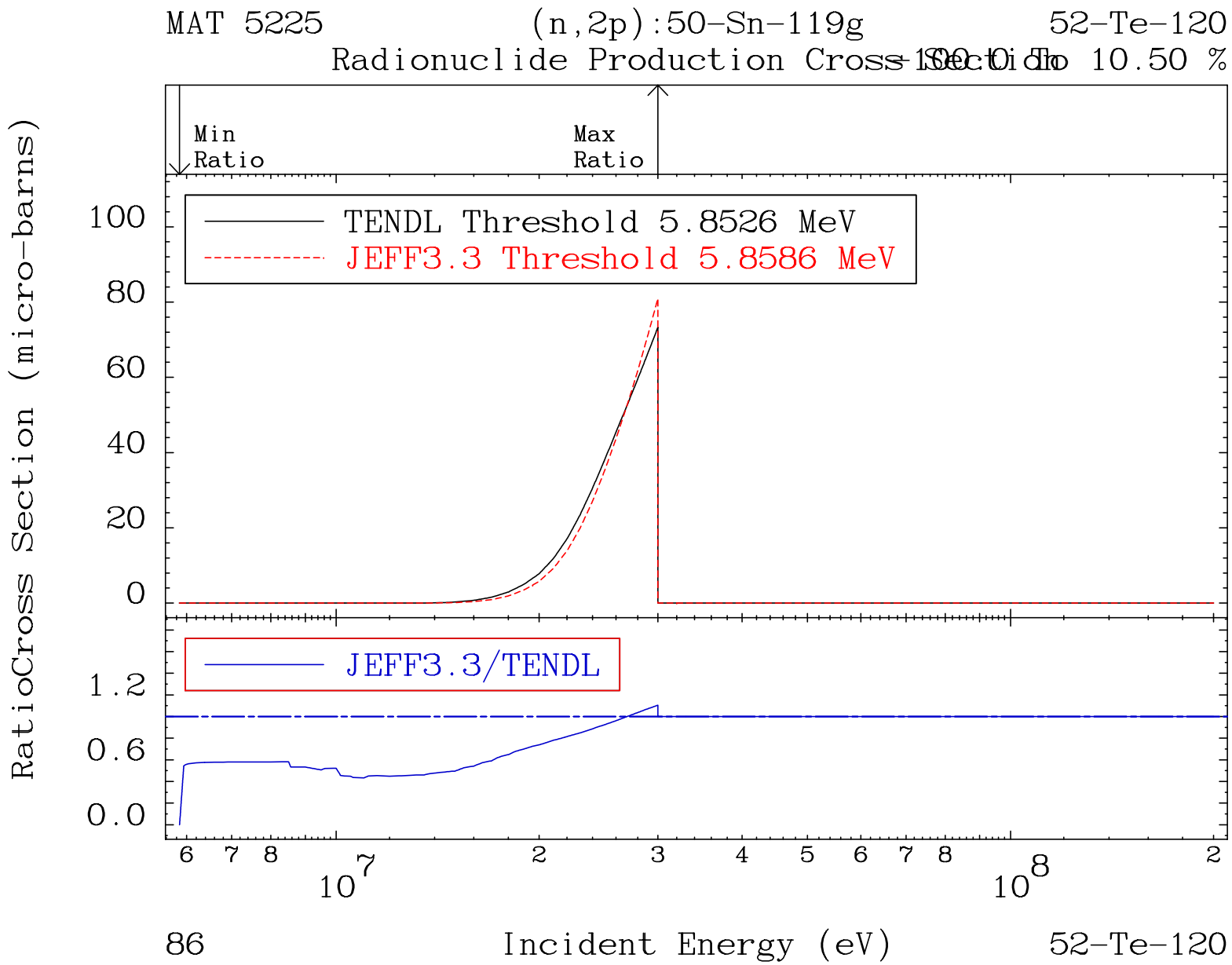

MAT 5225
(n,n') p α:49-In-115g
52-Te-120
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 9.6199 MeV
JEFF3.3 Threshold 9.6260 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
81
52-Te-120

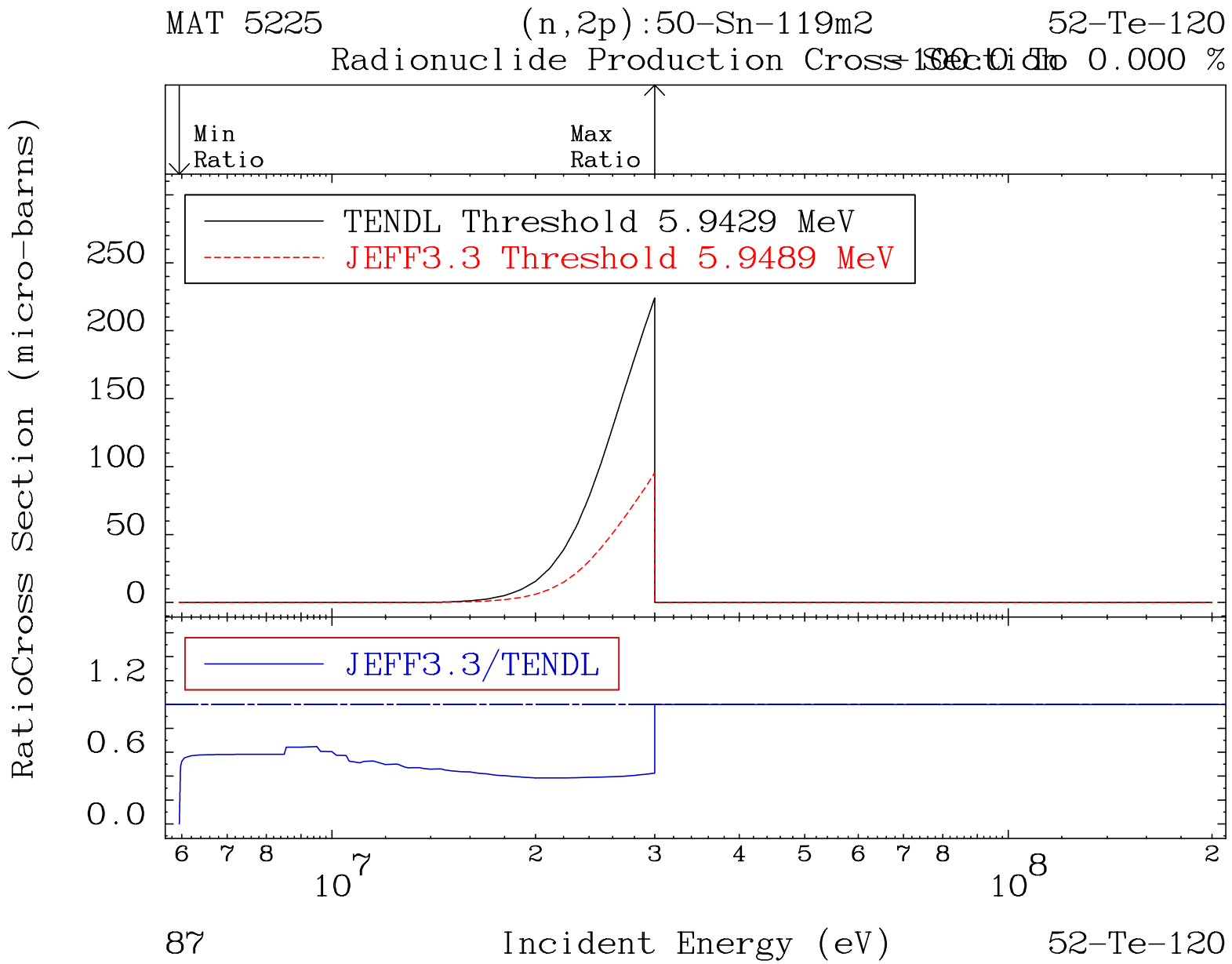

MAT 5225
(n,n') p α:49-In-115m1
52-Te-120
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 9.9590 MeV
JEFF3.3 Threshold 9.9651 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
82
52-Te-120

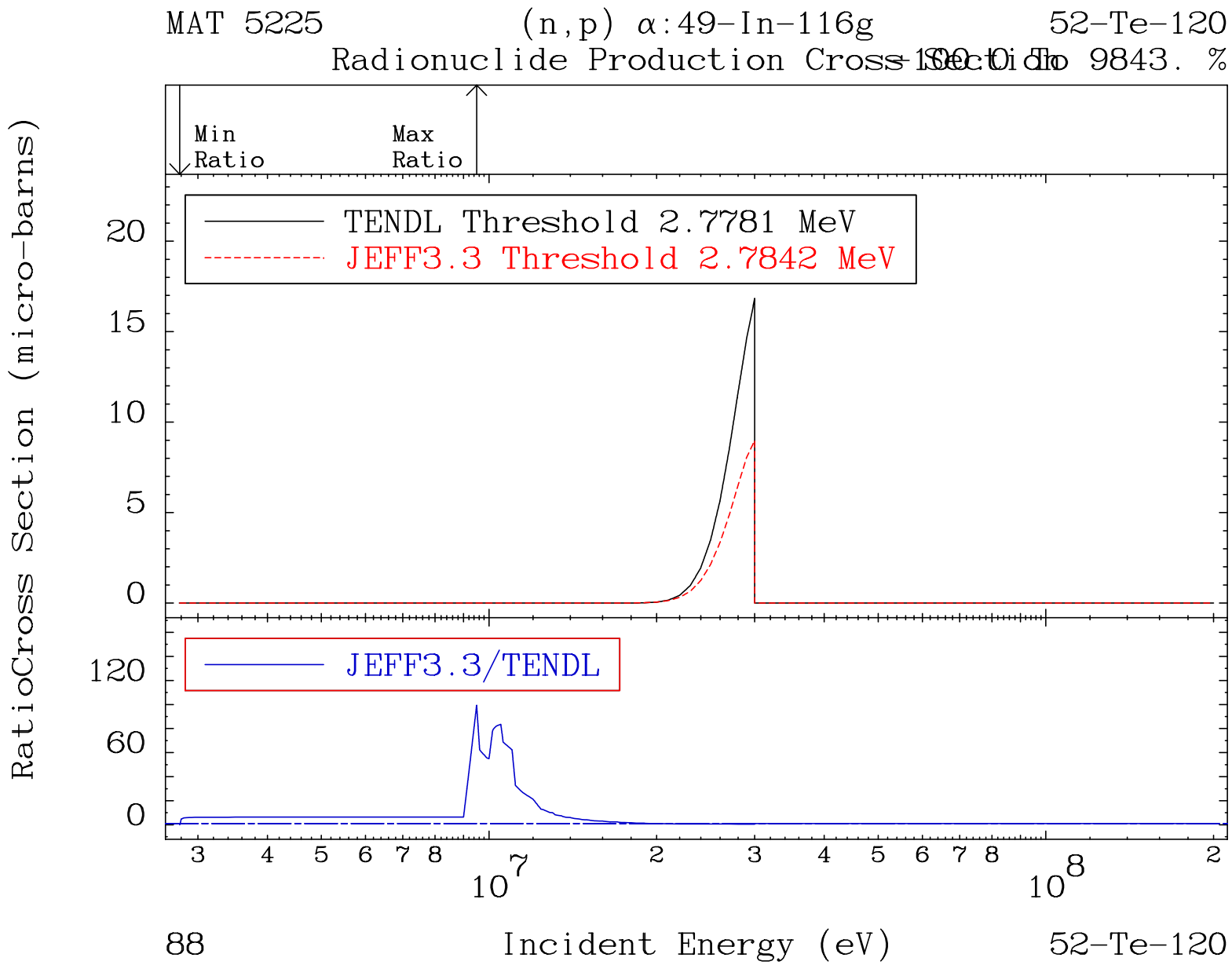

MAT 5225
(n,p):51-Sb-120g
52-Te-120
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 164.04 keV
JEFF3.3 Threshold 169.26 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
83
Incident Energy (eV)
52-Te-120

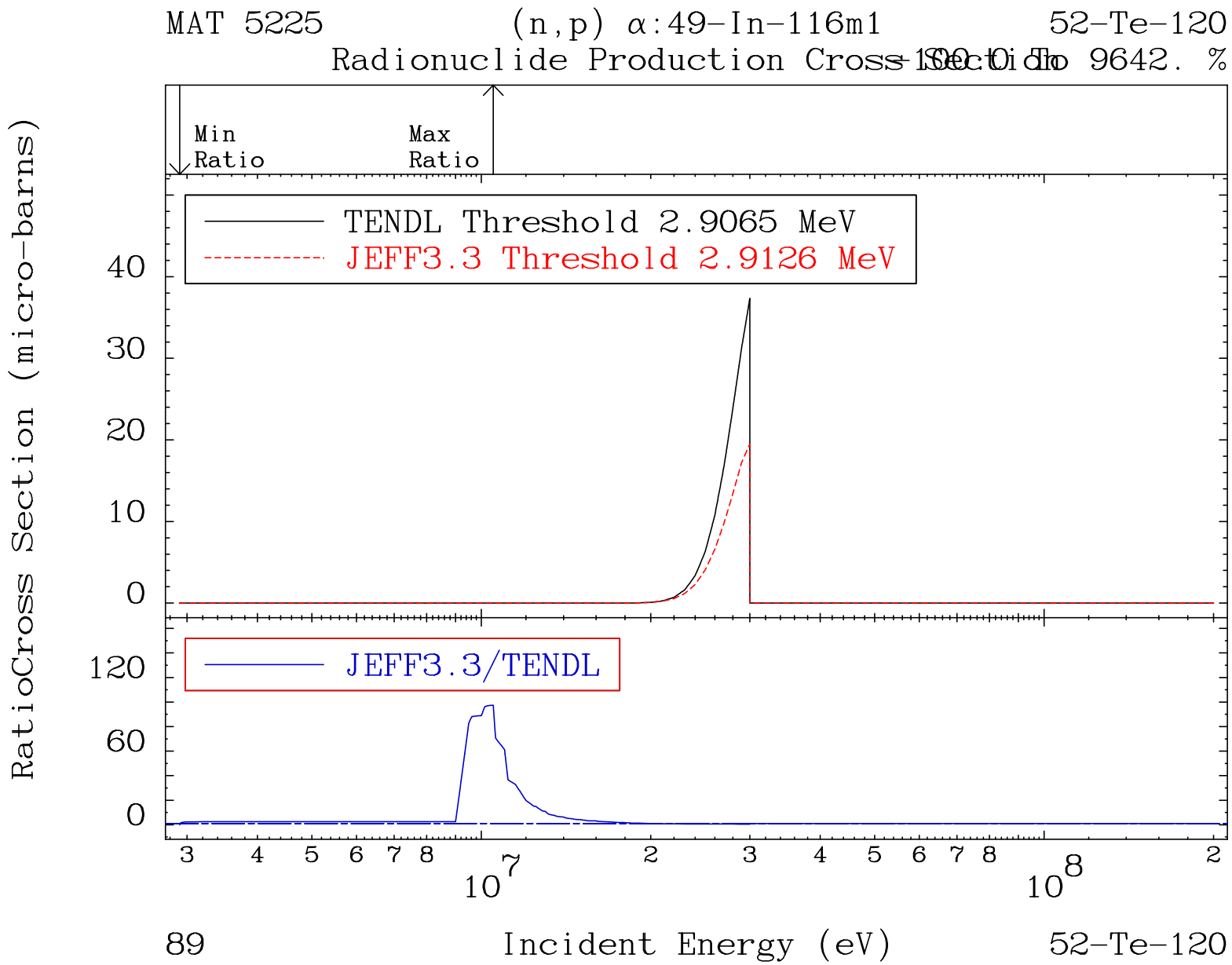

MAT 5225
(n,t):51-Sb-118g
52-Te-120
Radionuclide Production Cross Section To 12.35 %
Min Ratio
Max Ratio
TENDL Threshold 8.3138 MeV
JEFF3.3 Threshold 8.3198 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84
52-Te-120

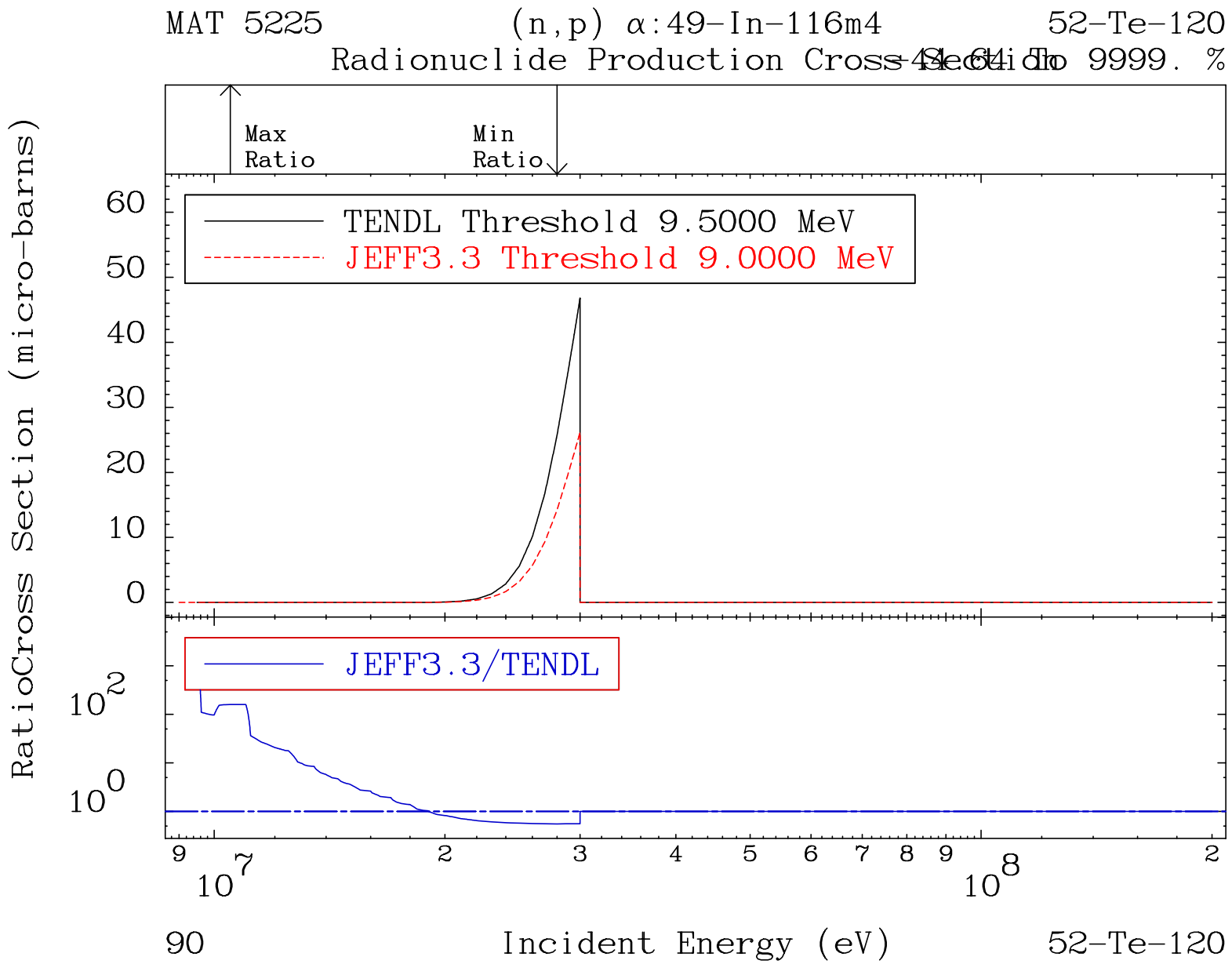

MAT 5225
(n,t):51-Sb-118m7
52-Te-120
Radionuclide Production Cross-Section To 0.000 %
Min
Ratio
TENDL Threshold 10.000 MeV
JEFF3.3 Threshold 10.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
10^7
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-120

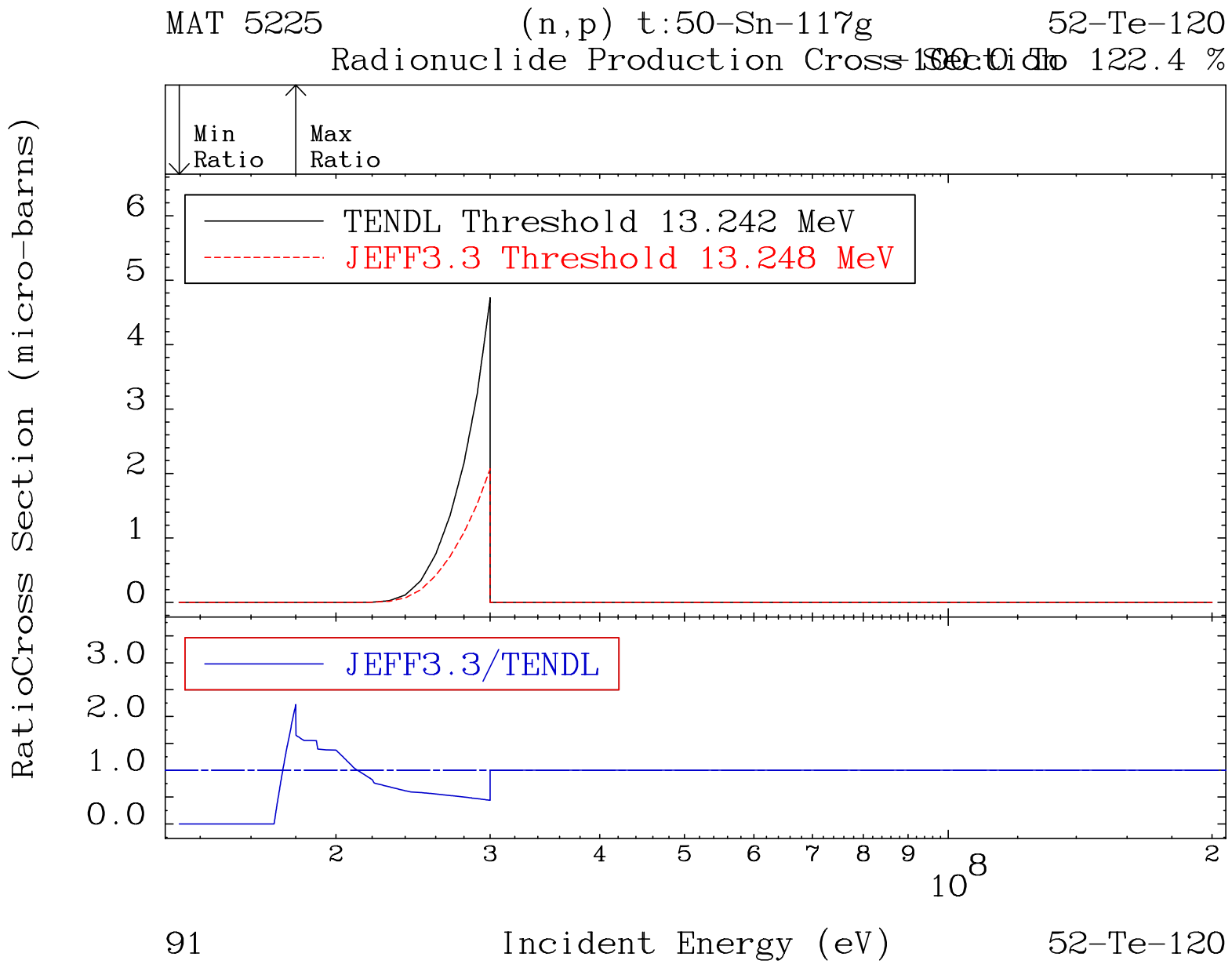

MAT 5225
(n,2p):50-Sn-119g
52-Te-120
Radionuclide Production Cross Section To 10.50 %
Min Ratio
Max Ratio
TENDL Threshold 5.8526 MeV
JEFF3.3 Threshold 5.8586 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
86
Incident Energy (eV)
52-Te-120

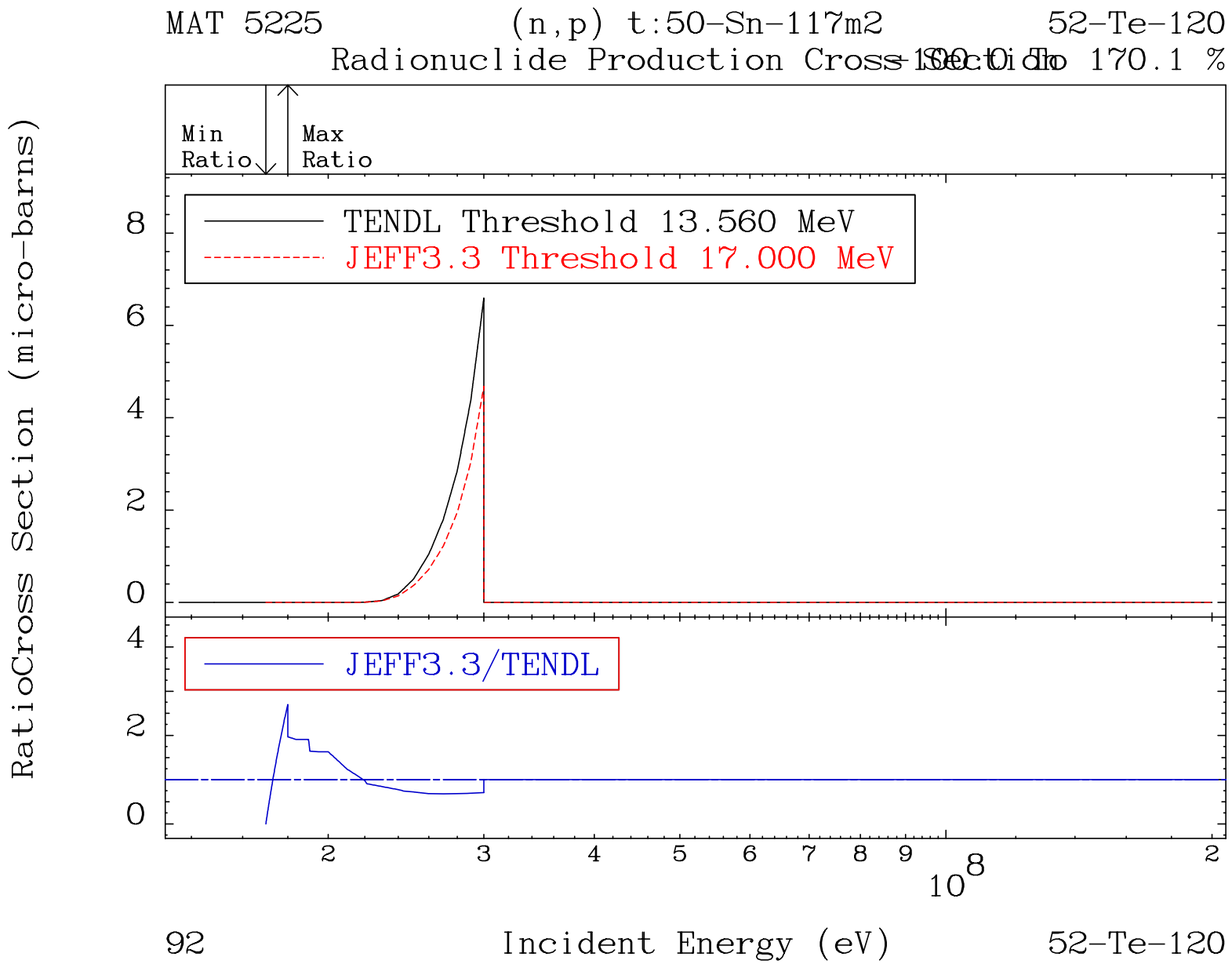

MAT 5225
(n,2p):50-Sn-119m2
52-Te-120
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.9429 MeV
JEFF3.3 Threshold 5.9489 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
87
Incident Energy (eV)
52-Te-120

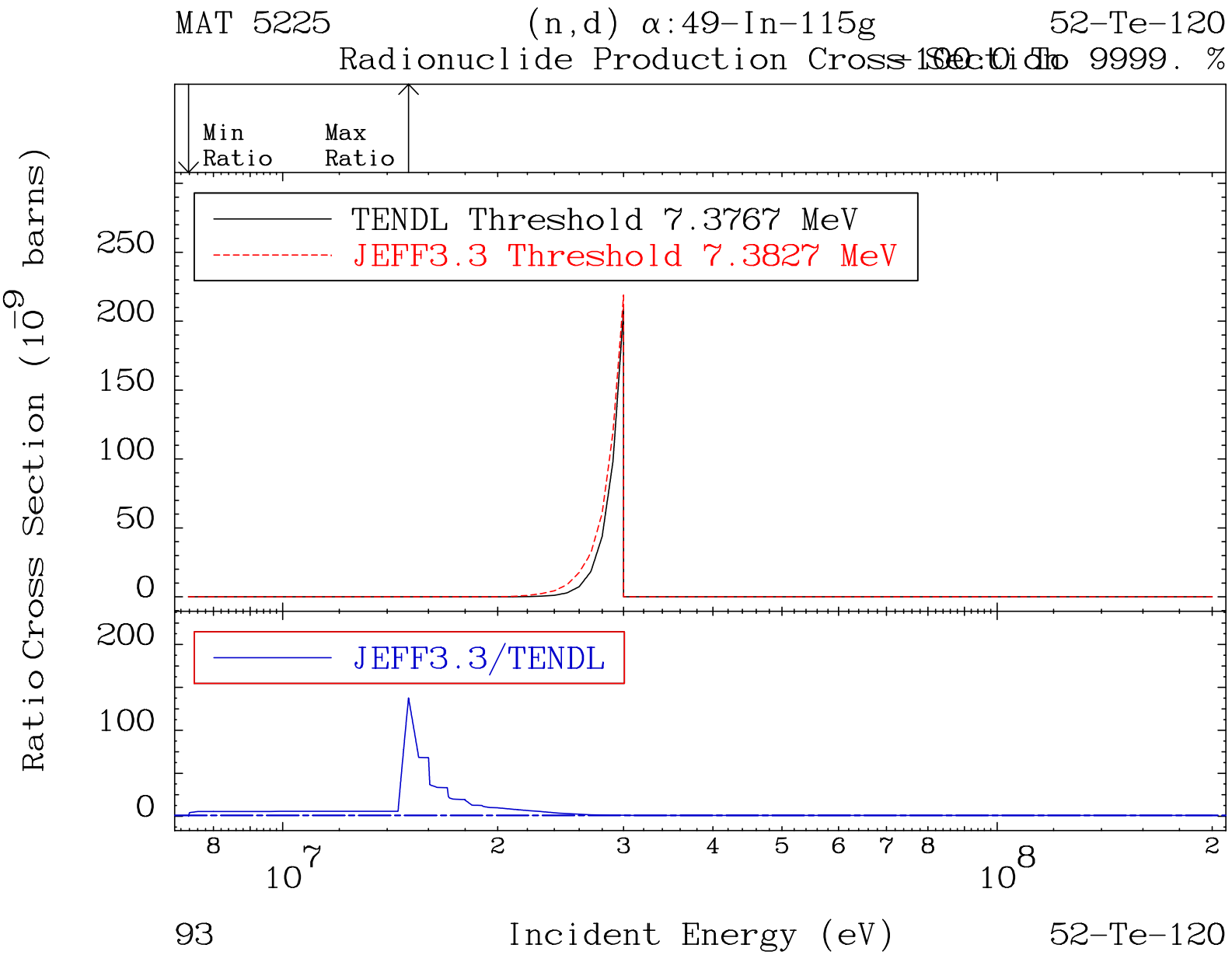

MAT 5225
(n,p) α:49-In-116g
52-Te-120
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.7781 MeV
JEFF3.3 Threshold 2.7842 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
88
52-Te-120

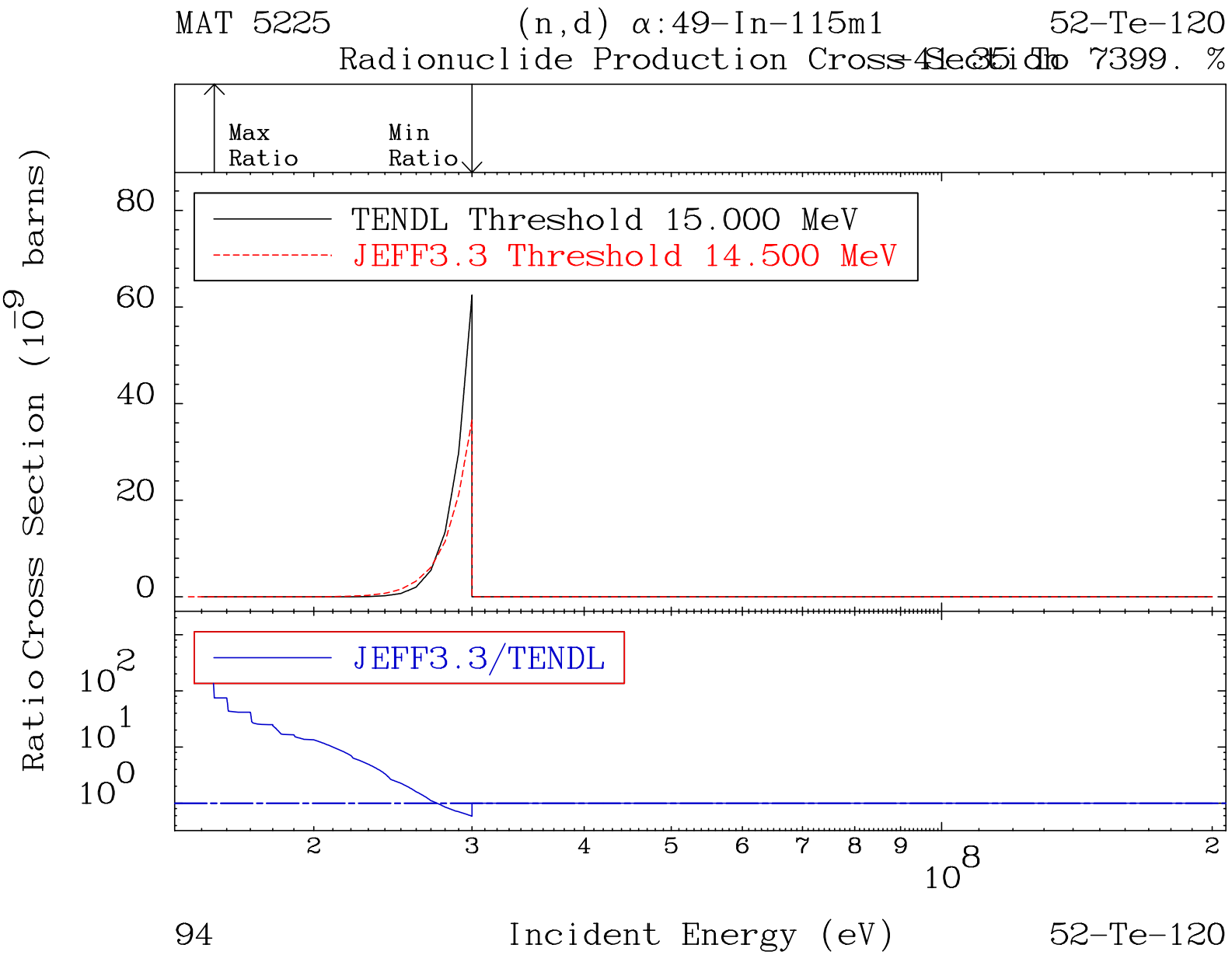

MAT 5225
(n,p) α:49-In-116m1
52-Te-120
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.9065 MeV
JEFF3.3 Threshold 2.9126 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
89


MAT 5225
(n,p) α:49-In-116m4
52-Te-120
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 9.0000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
90
52-Te-120


MAT 5225
(n,p) t:50-Sn-117g
52-Te-120
Radionuclide Production Cross Section To 122.4 %
Min Ratio
Max Ratio
TENDL Threshold 13.242 MeV
JEFF3.3 Threshold 13.248 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
91
52-Te-120


MAT 5225
(n,p) t:50-Sn-117m2
52-Te-120
Radionuclide Production Cross Section To
Min Ratio
Max Ratio
TENDL Threshold 13.560 MeV
JEFF3.3 Threshold 17.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
92
52-Te-120


MAT 5225
(n,d) α:49-In-115g
52-Te-120
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.3767 MeV
JEFF3.3 Threshold 7.3827 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
250
200
150
100
50
0
200
100
0
8
10^7
2
3
4
5
6
7
8
10^8
2
93
Incident Energy (eV)
52-Te-120


MAT 5225
(n,d) α:49-In-115m1
52-Te-120
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 15.000 MeV
JEFF3.3 Threshold 14.500 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
94
52-Te-120