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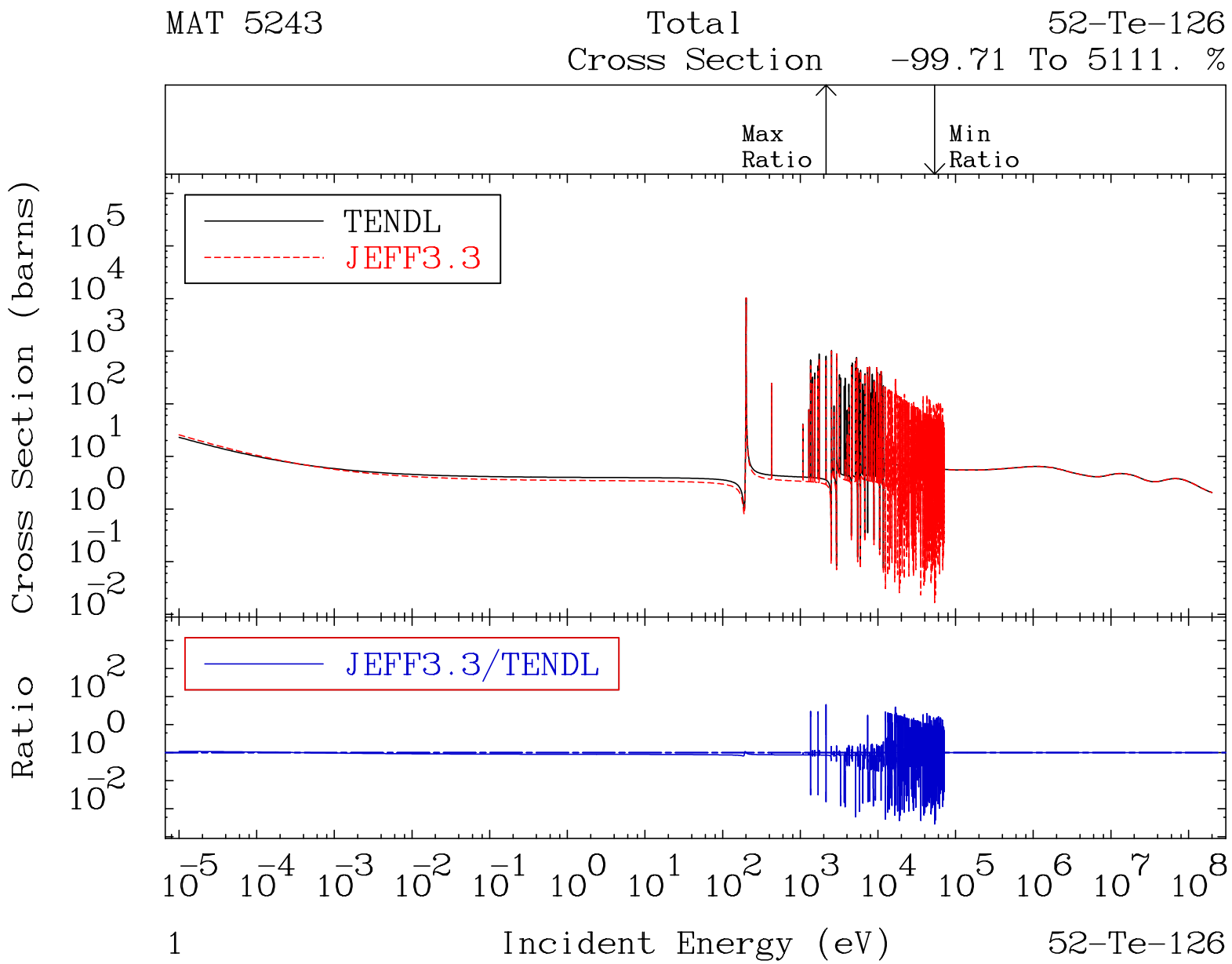
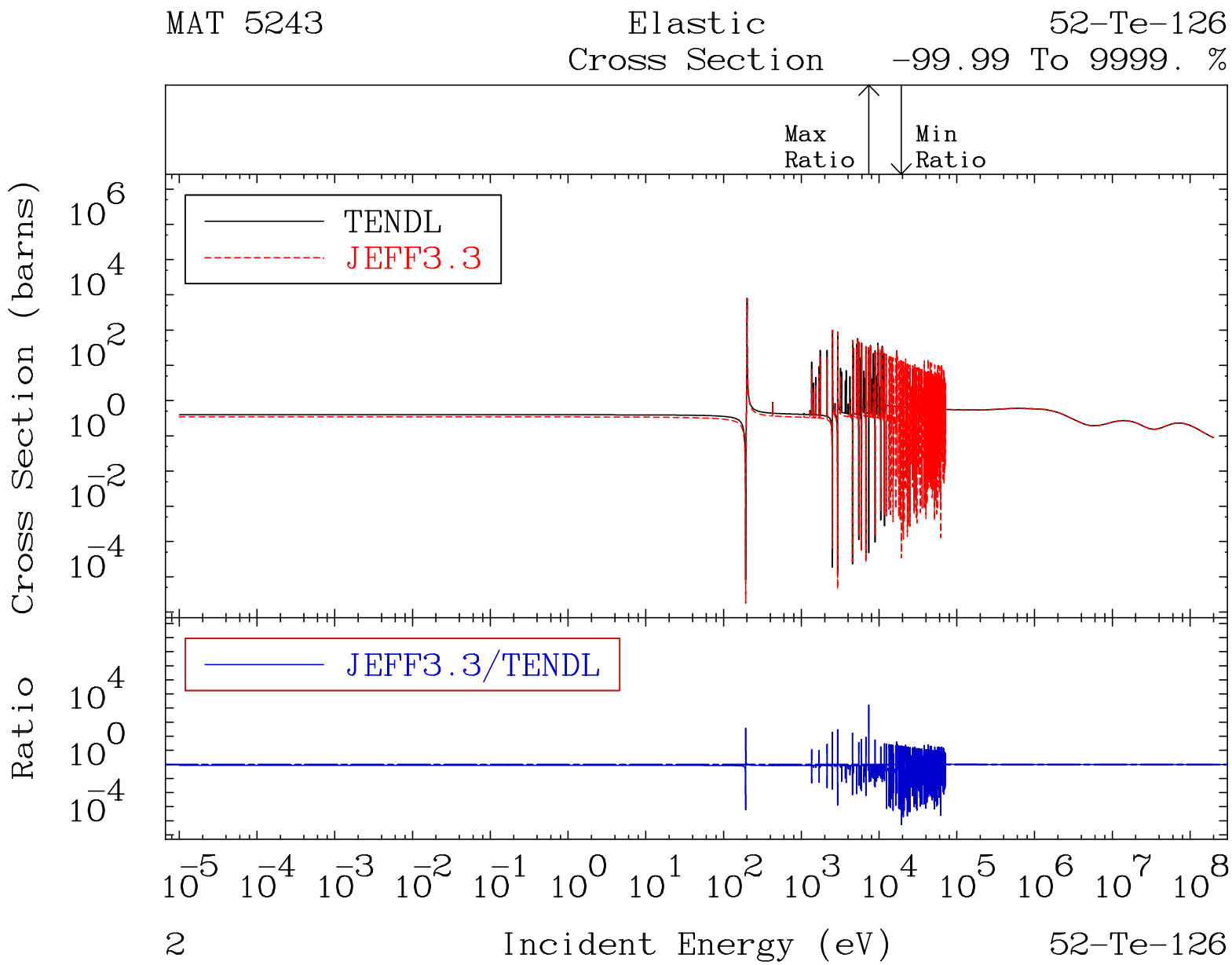
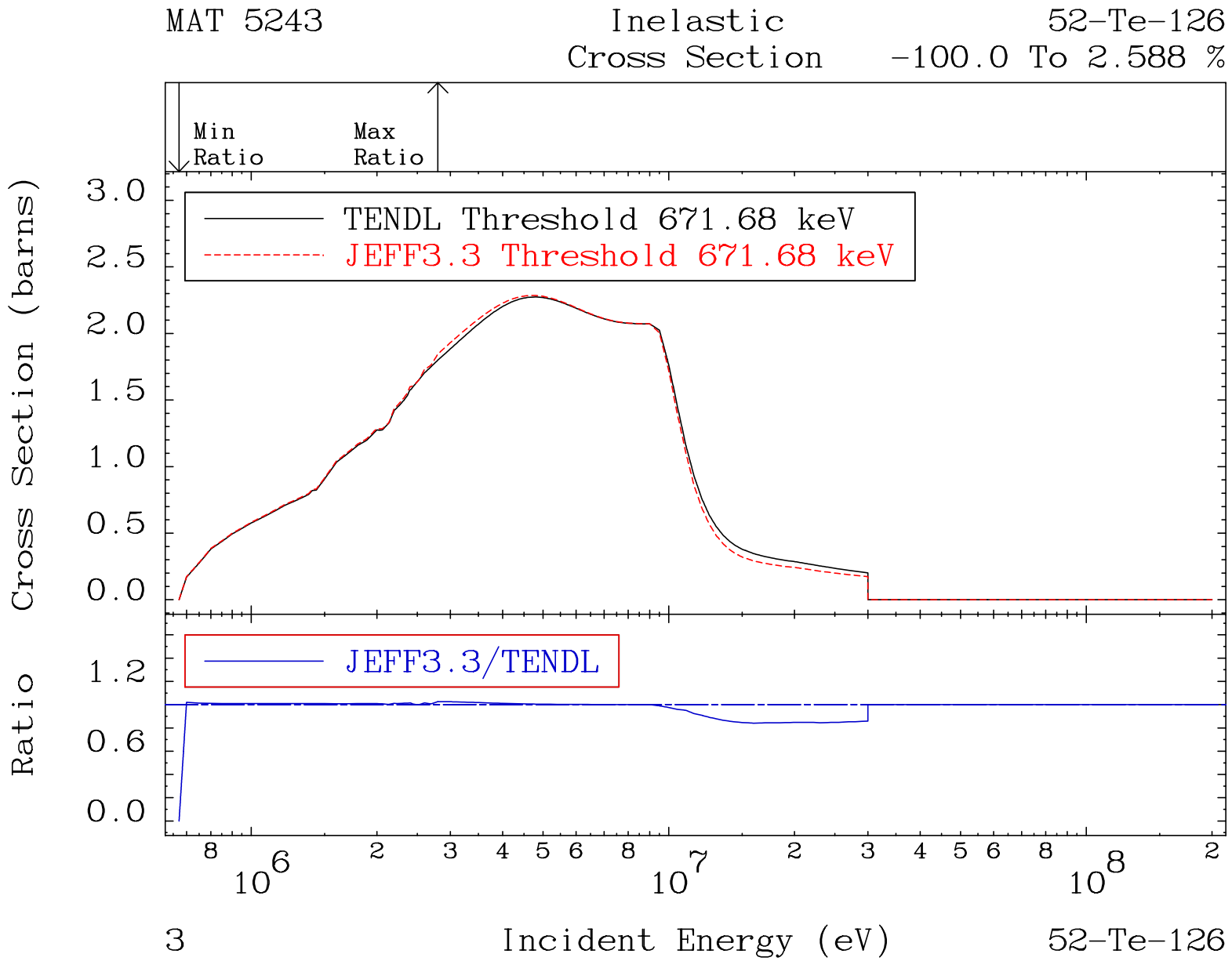
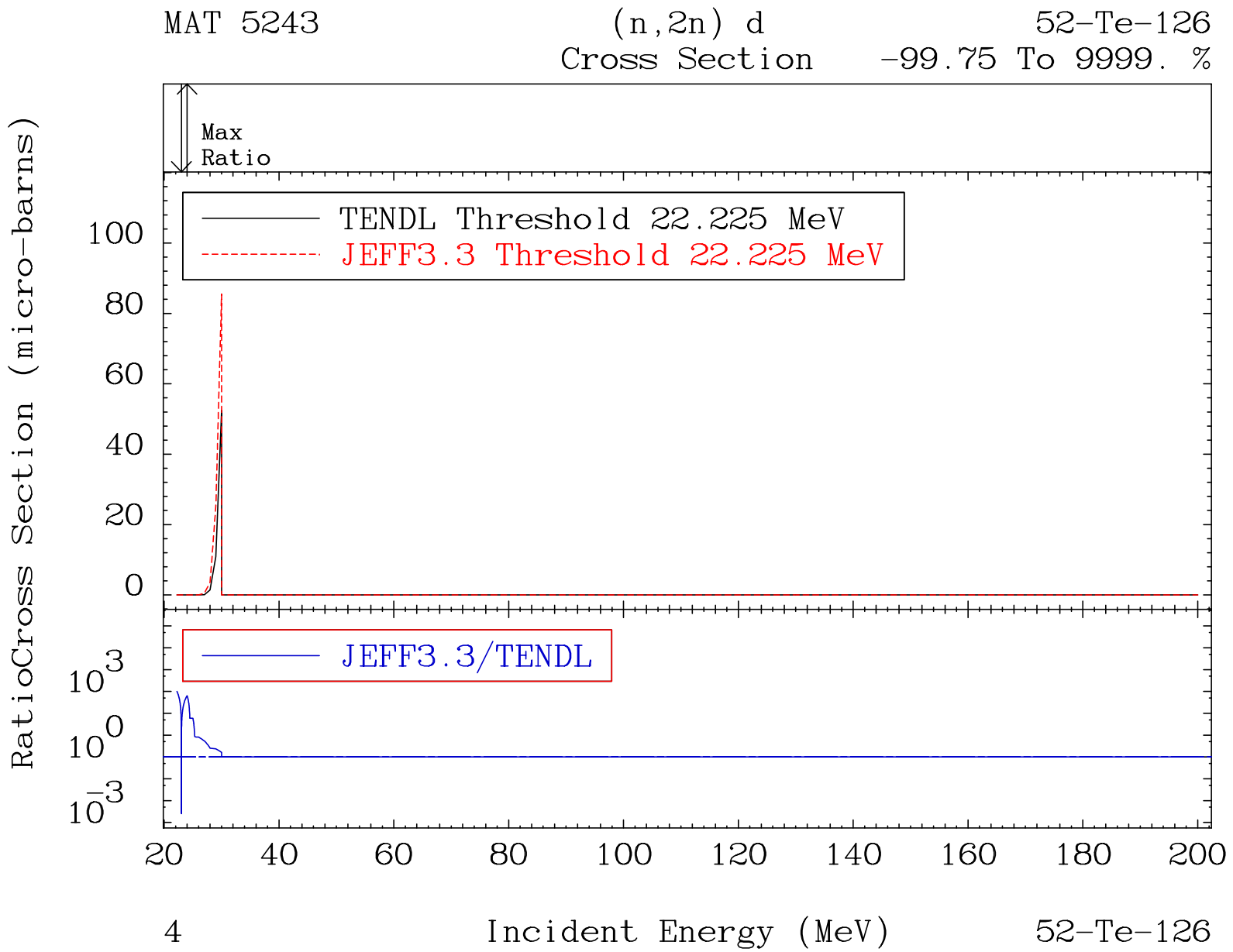
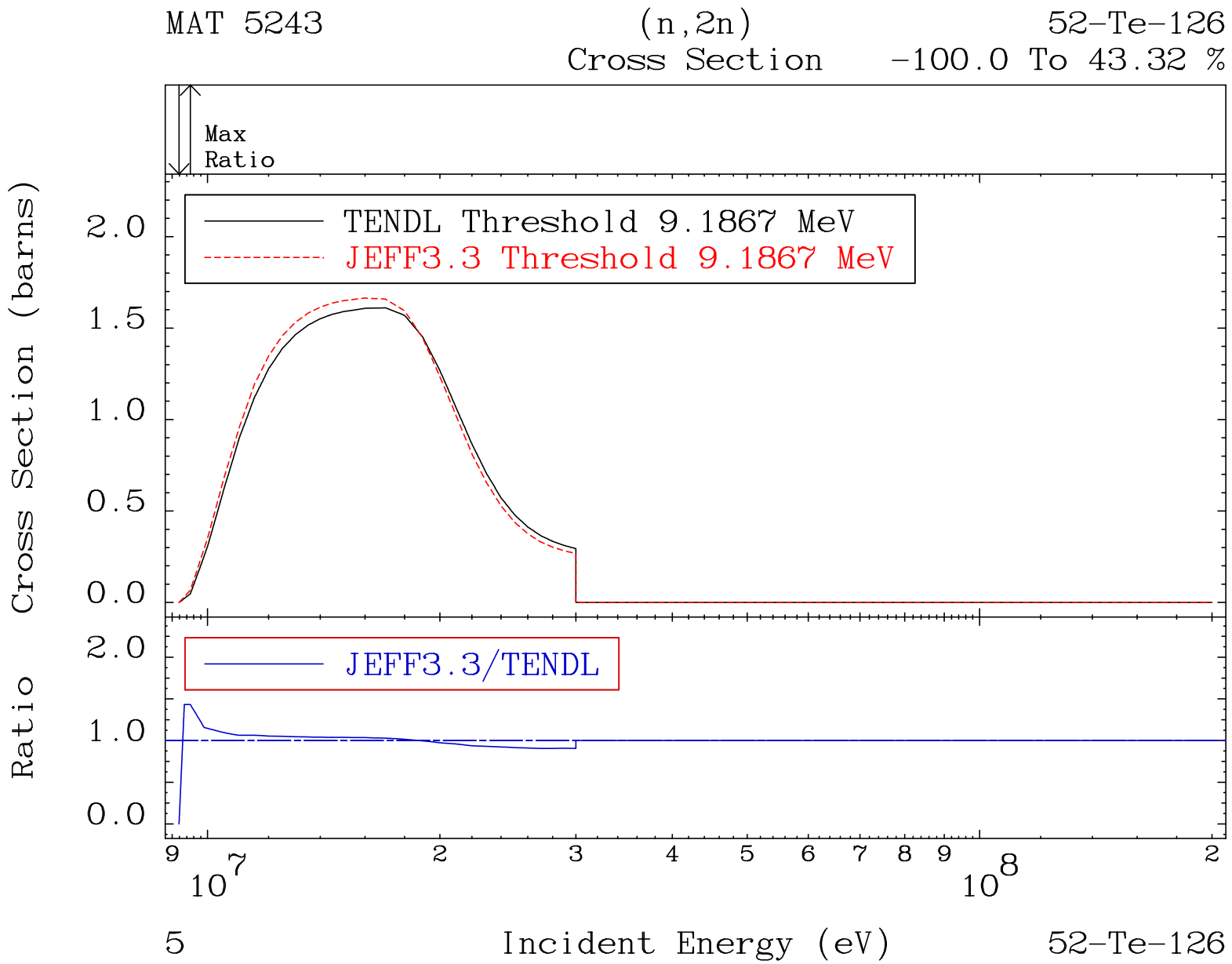
Press Mouse Button to Start

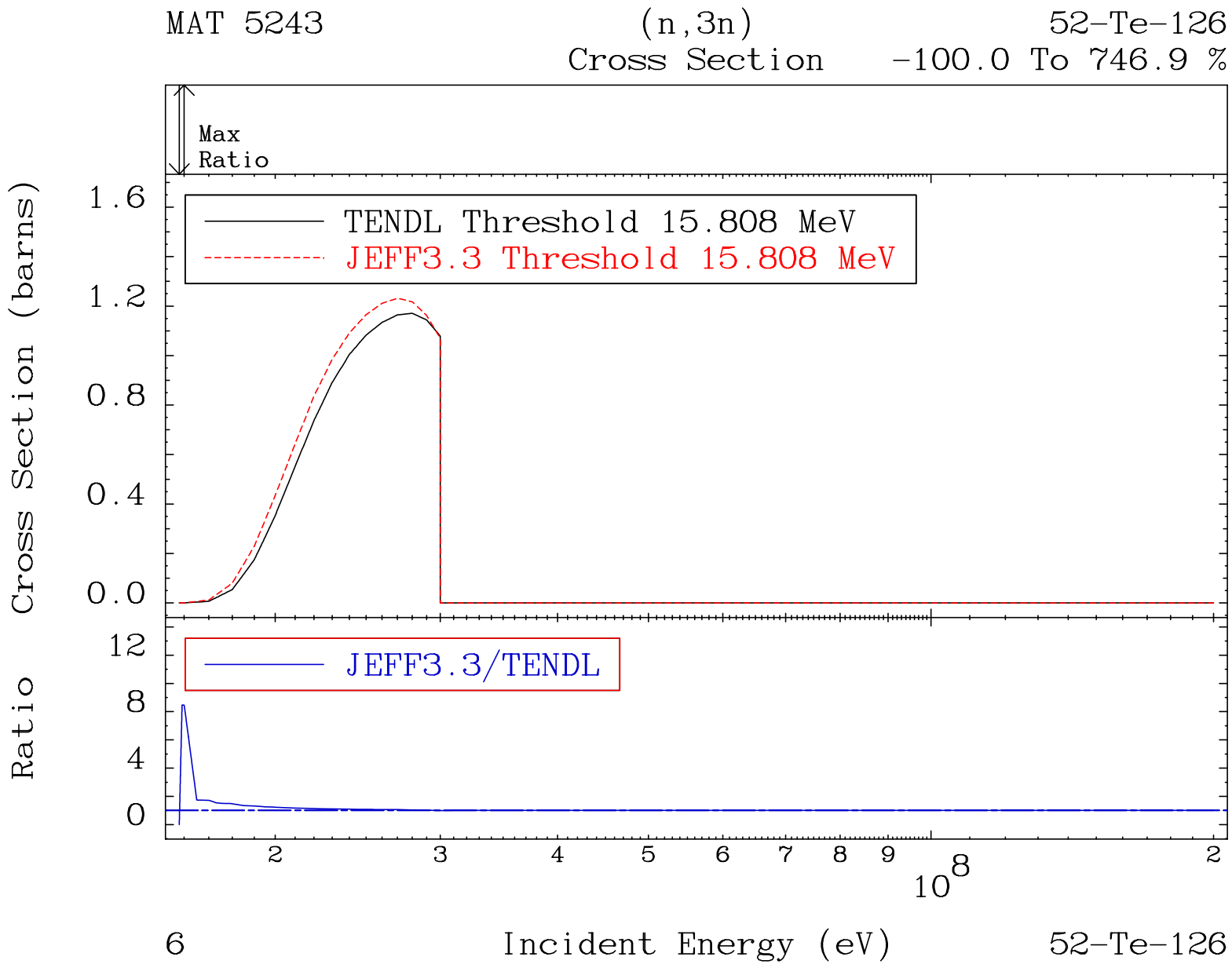

MAT 5243
Total
Cross Section
52-Te-126
-99.71 To 5111. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-126

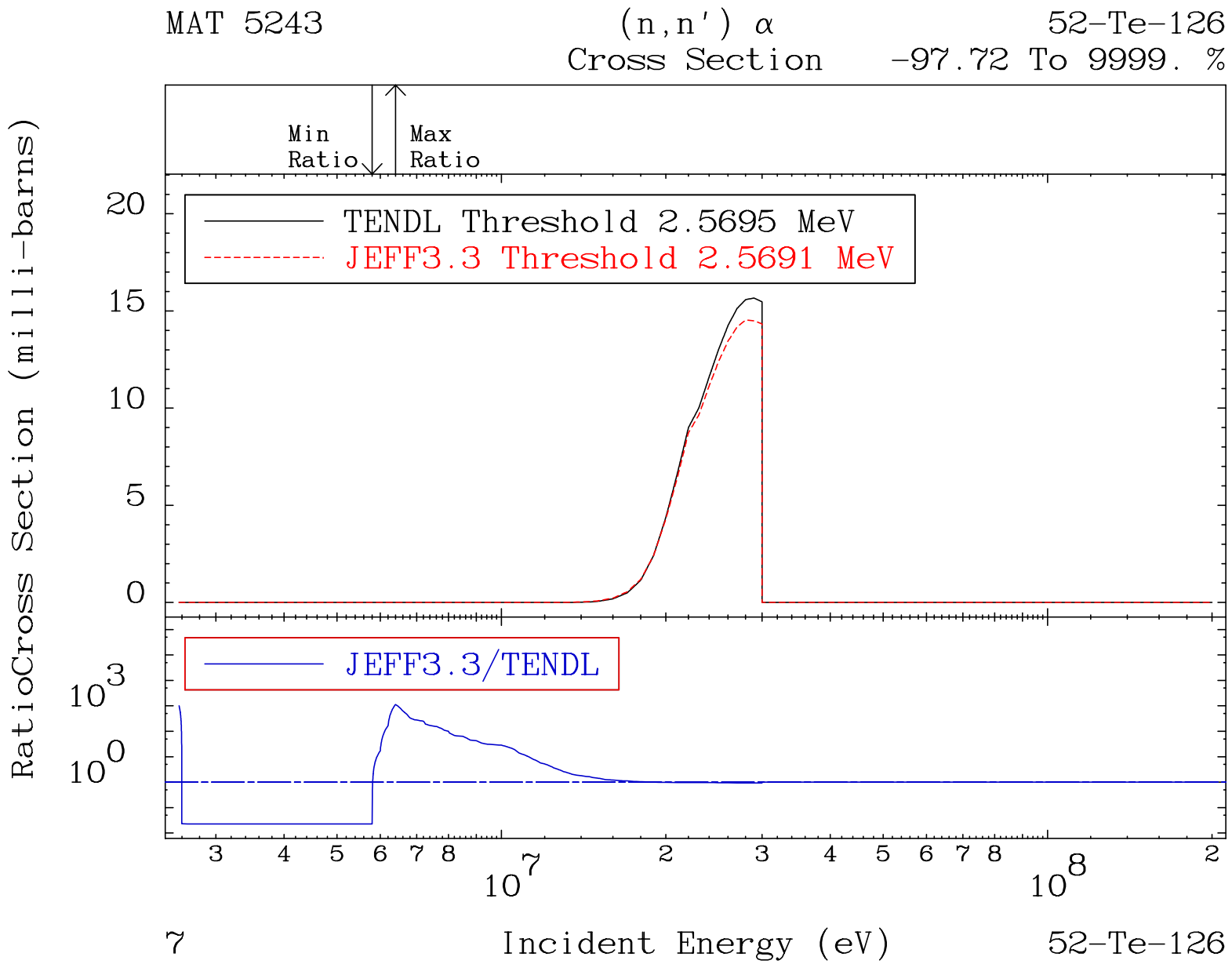

MAT 5243
Elastic
Cross Section
52-Te-126
-99.99 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-126

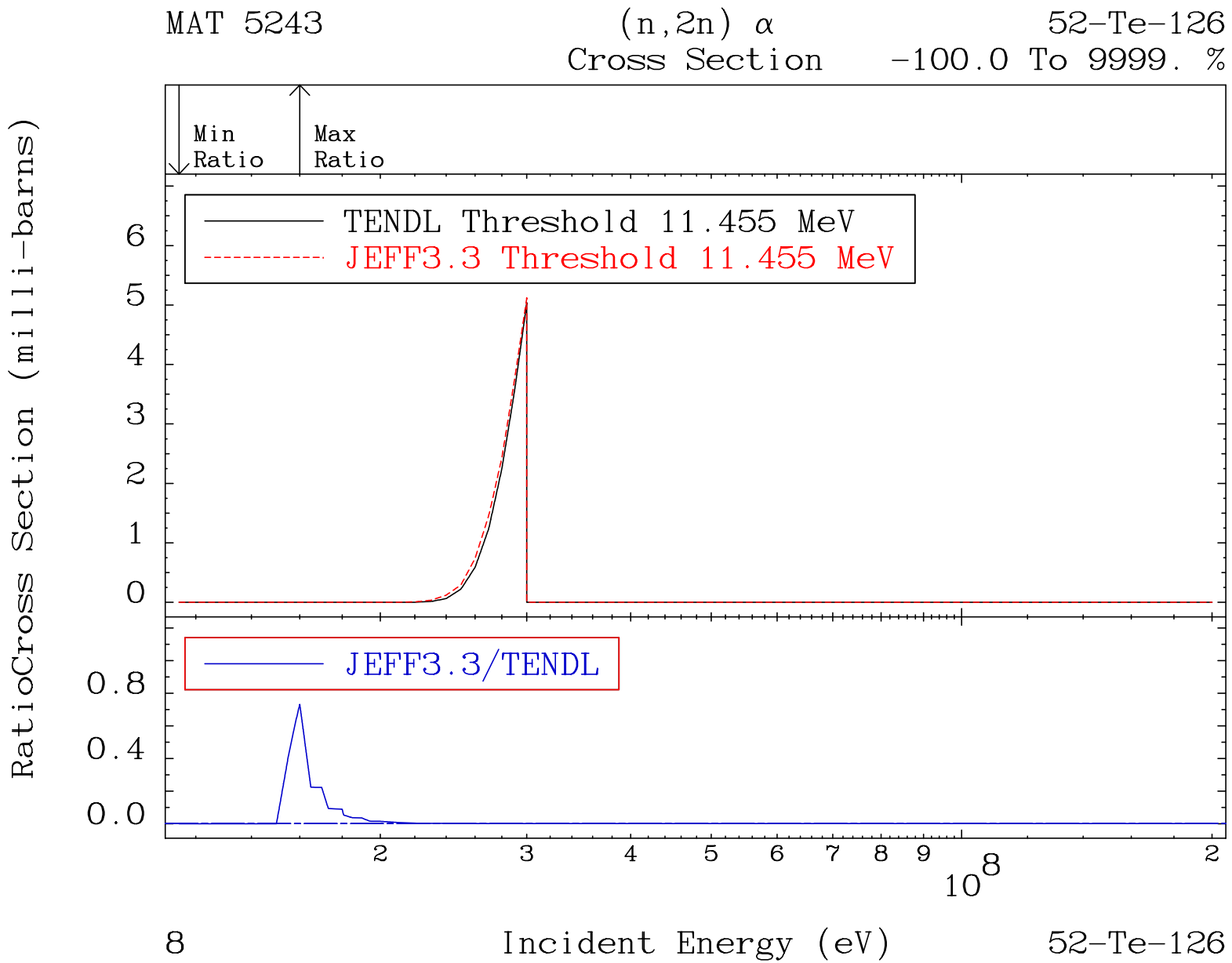

MAT 5243
Inelastic
Cross Section
52-Te-126
-100.0 To 2.588 %
Min Ratio
Max Ratio
TENDL Threshold 671.68 keV
JEFF3.3 Threshold 671.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
52-Te-126

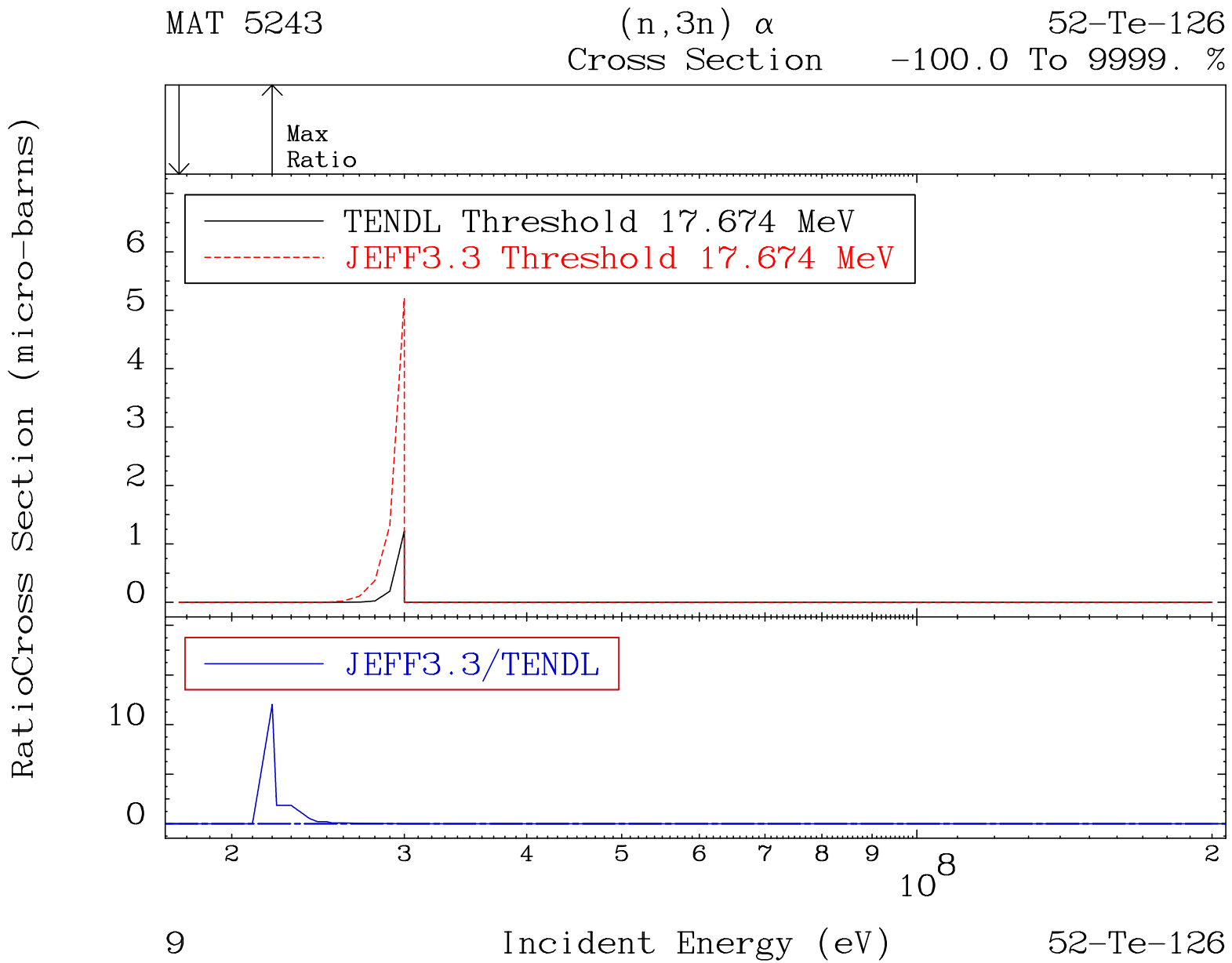

MAT 5243
(n,2n) d
Cross Section
52-Te-126
-99.75 To 9999. %
Max
Ratio
TENDL Threshold 22.225 MeV
JEFF3.3 Threshold 22.225 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
10^3
10^0
10^-3
20
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)
4
52-Te-126

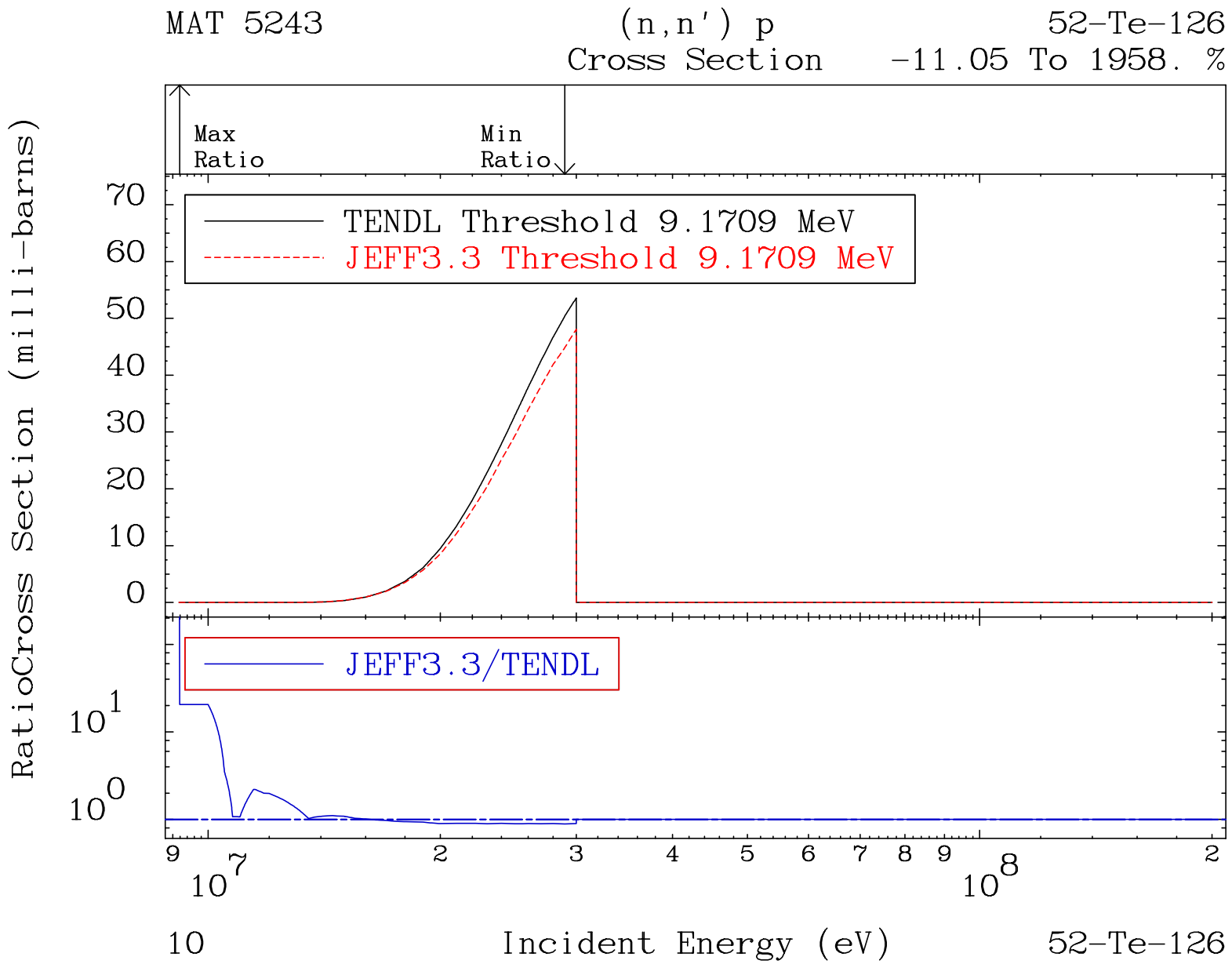

MAT 5243
(n,2n)
Cross Section
52-Te-126
-100.0 To 43.32 %
Max
Ratio
TENDL Threshold 9.1867 MeV
JEFF3.3 Threshold 9.1867 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-126

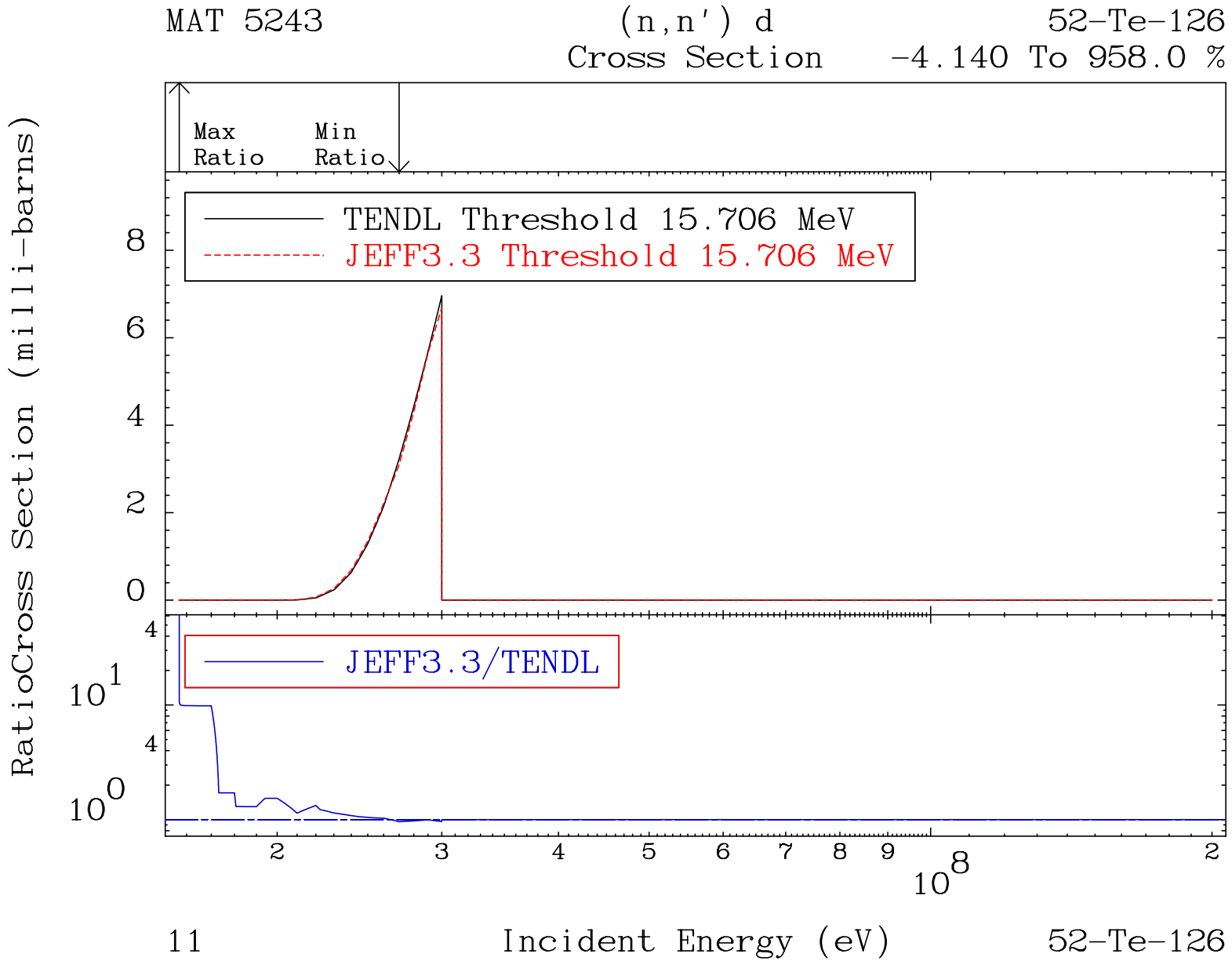

MAT 5243
(n,3n)
Cross Section
52-Te-126
-100.0 To 746.9 %
Max
Ratio
TENDL Threshold 15.808 MeV
JEFF3.3 Threshold 15.808 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-126

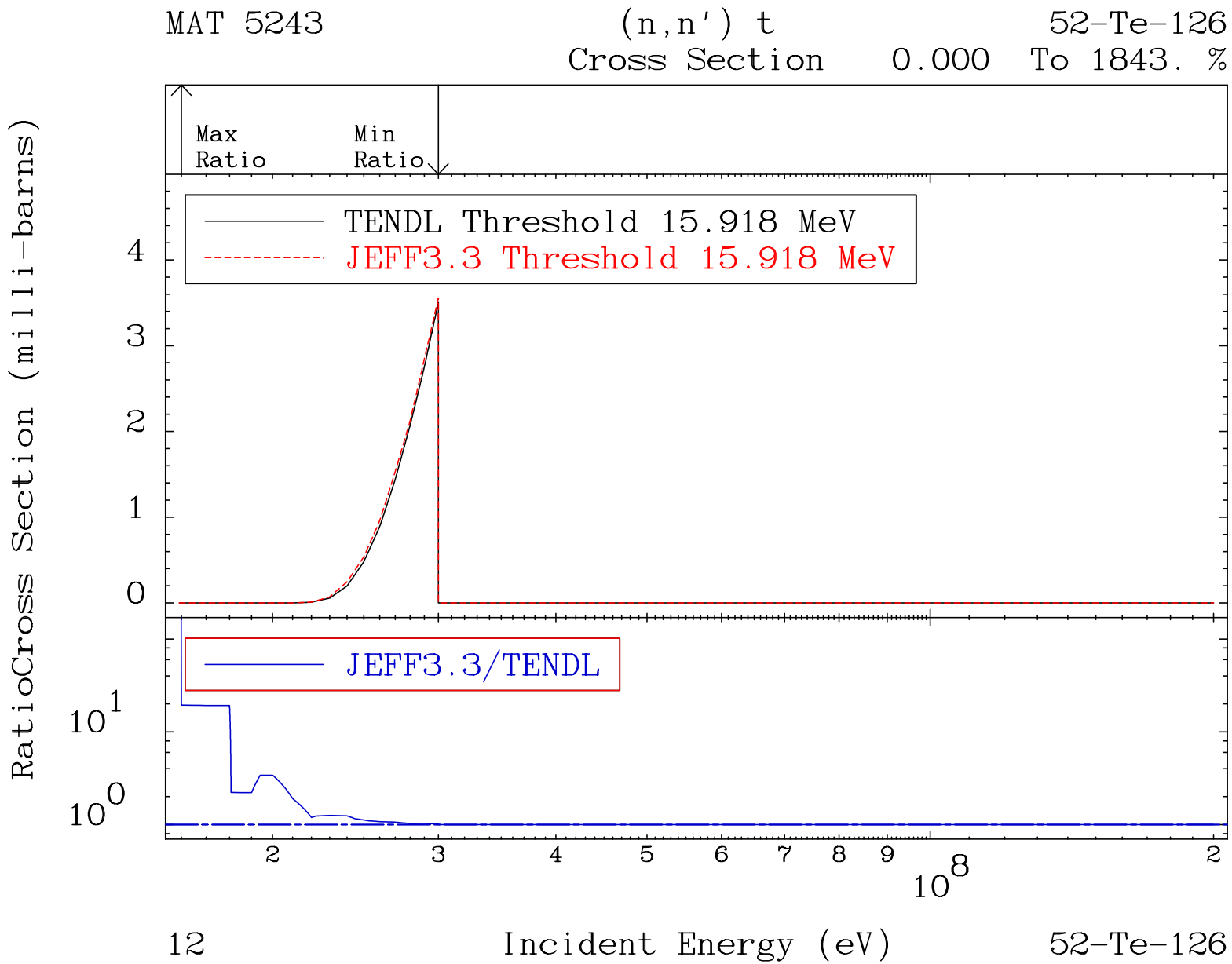

MAT 5243
(n,n') α
52-Te-126
Cross Section
-97.72 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5695 MeV
JEFF3.3 Threshold 2.5691 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-126

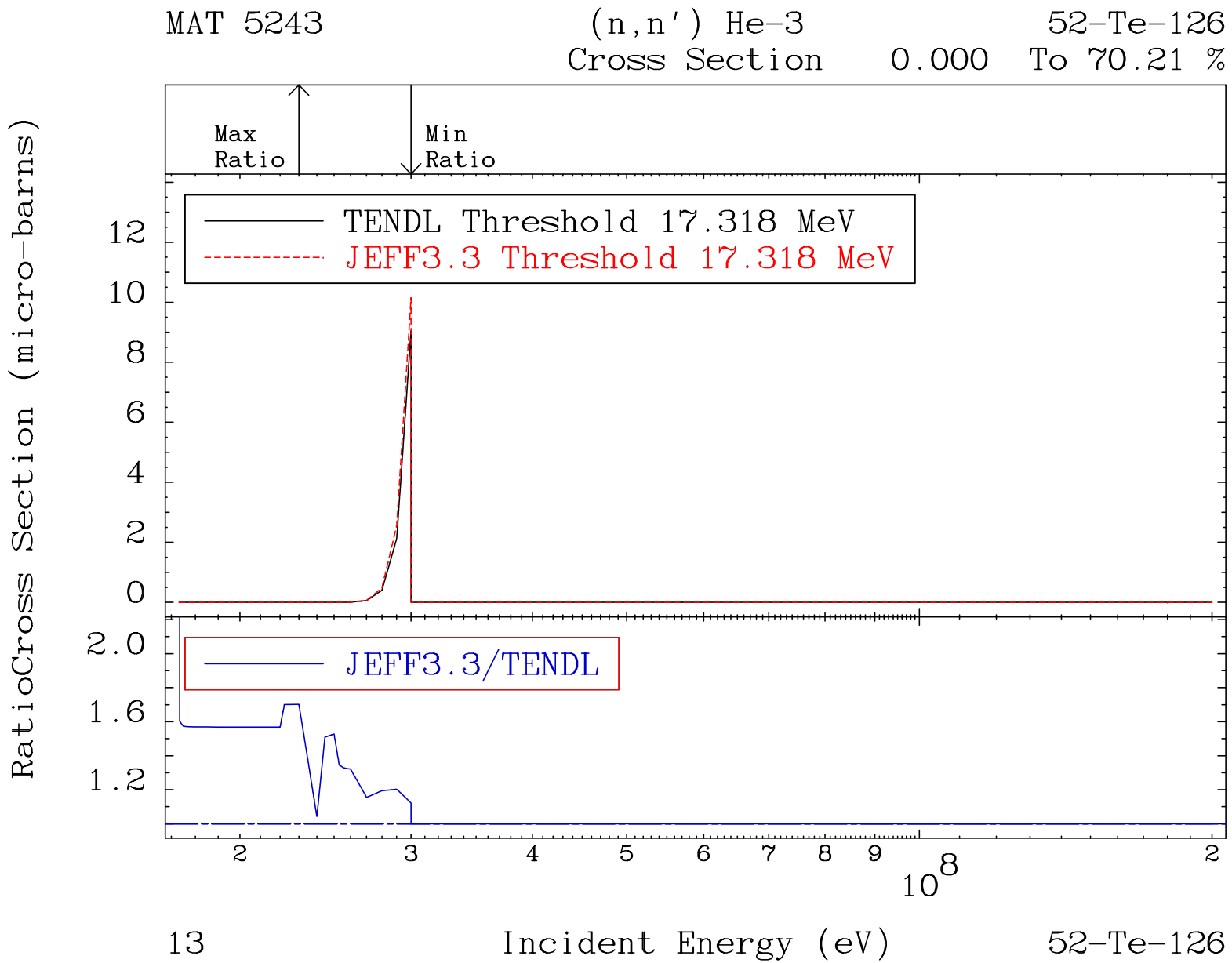

MAT 5243
(n,2n) α
52-Te-126
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.455 MeV
JEFF3.3 Threshold 11.455 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
0.0
0.4
0.8
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
52-Te-126

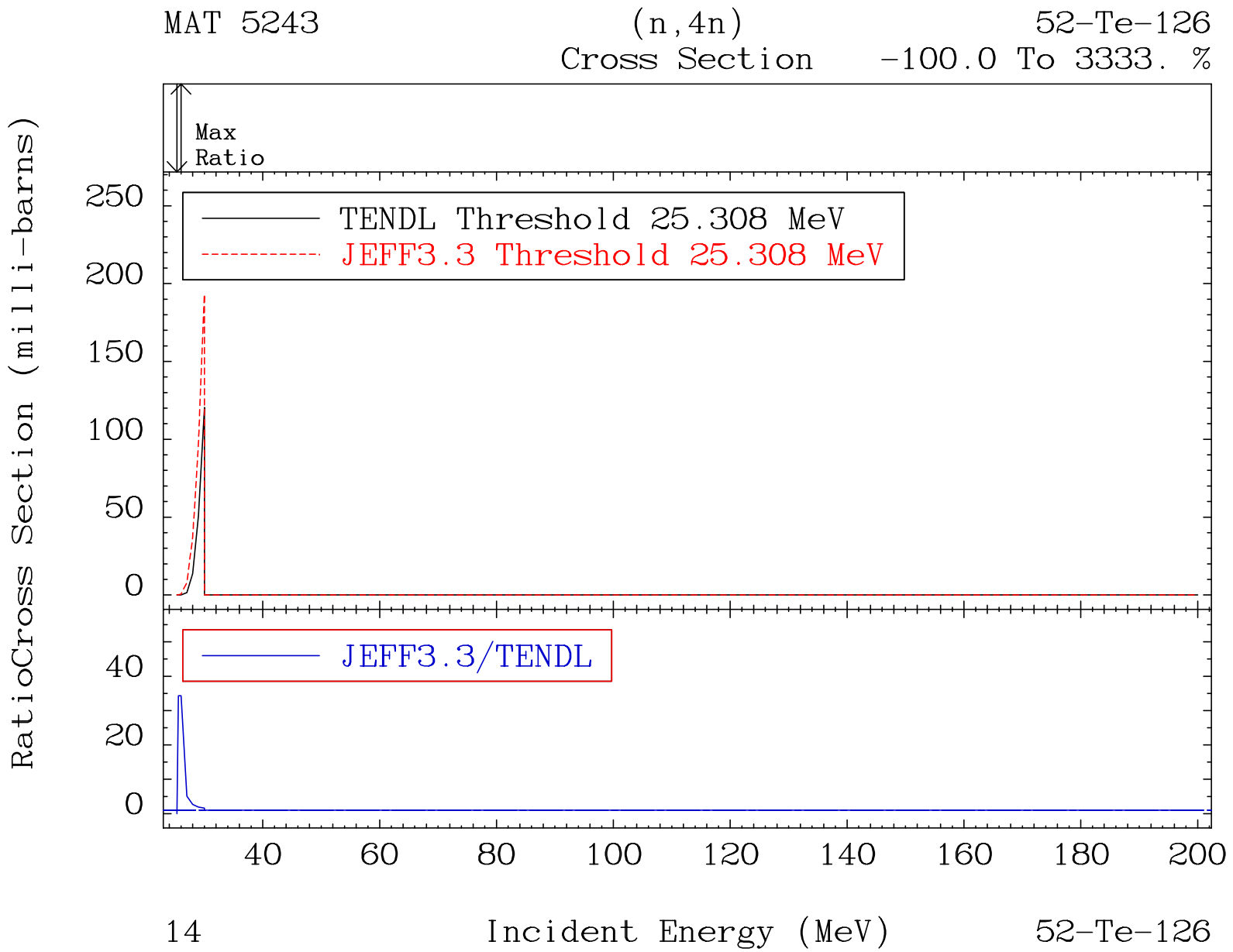

MAT 5243
(n,3n) α
52-Te-126
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.674 MeV
JEFF3.3 Threshold 17.674 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
9
52-Te-126

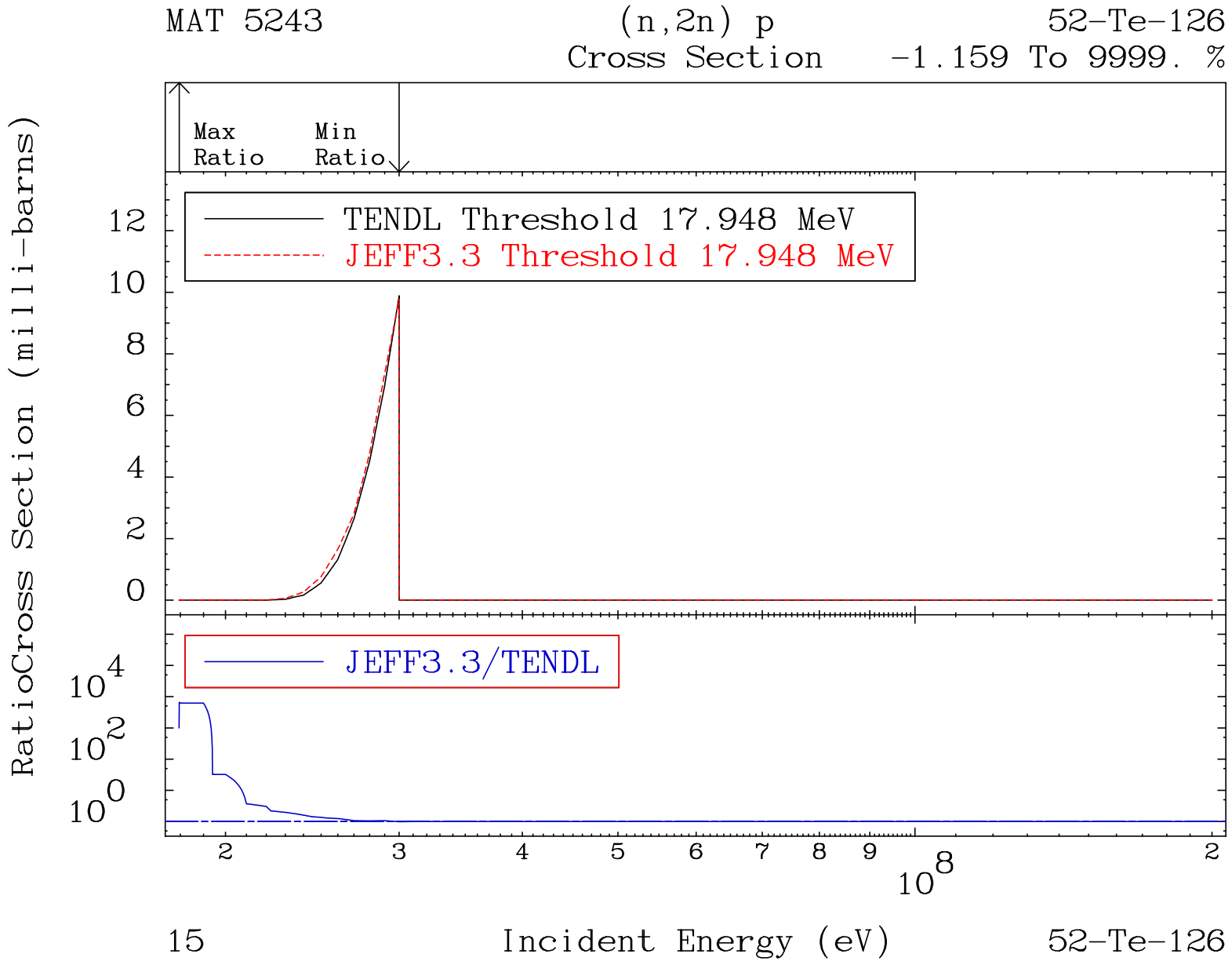

MAT 5243
(n,n') p
Cross Section
52-Te-126
-11.05 To 1958. %
Max Ratio
Min Ratio
TENDL Threshold 9.1709 MeV
JEFF3.3 Threshold 9.1709 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-126
10

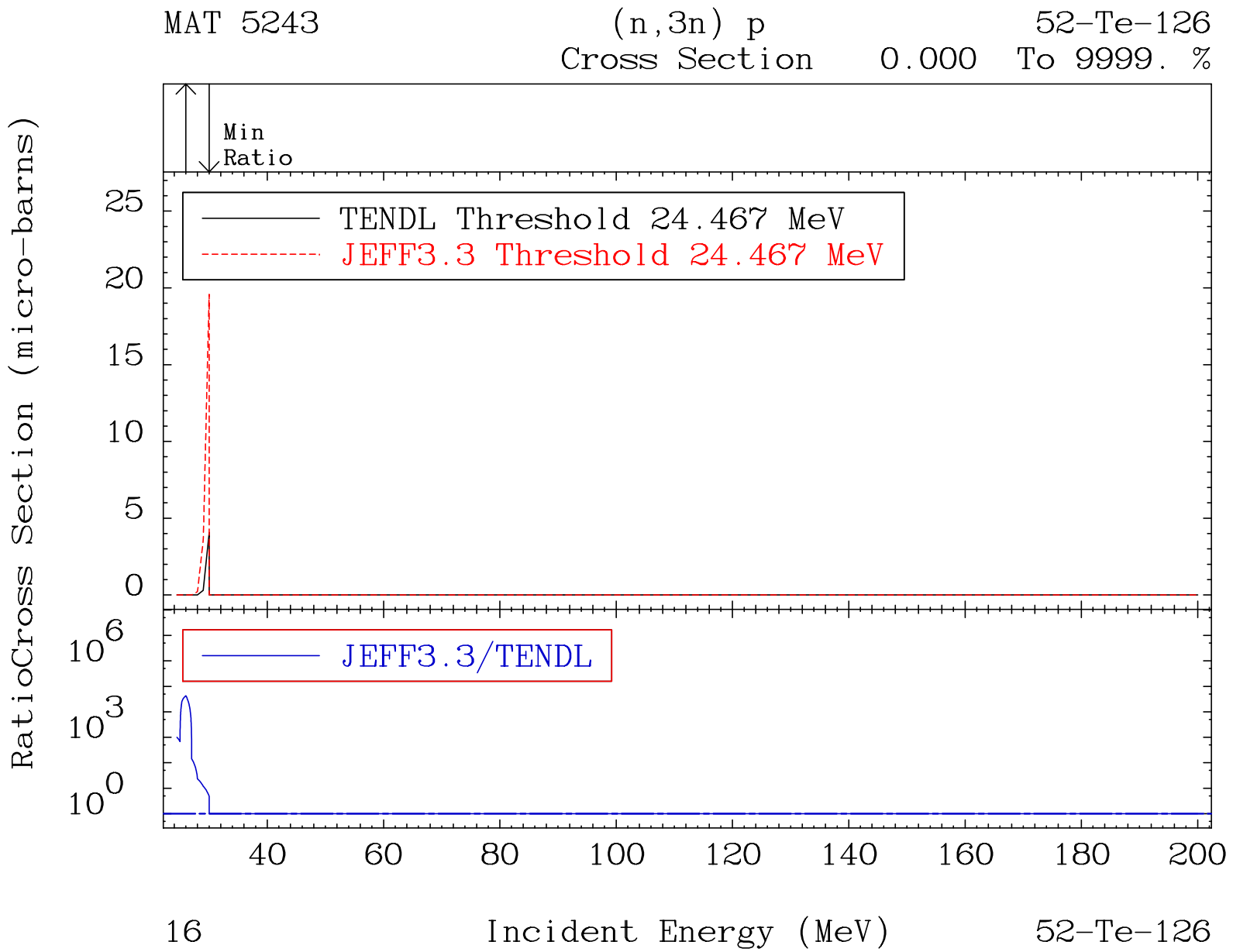

MAT 5243
(n,n') d
Cross Section
52-Te-126
-4.140 To 958.0 %
Max Ratio
Min Ratio
TENDL Threshold 15.706 MeV
JEFF3.3 Threshold 15.706 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
52-Te-126

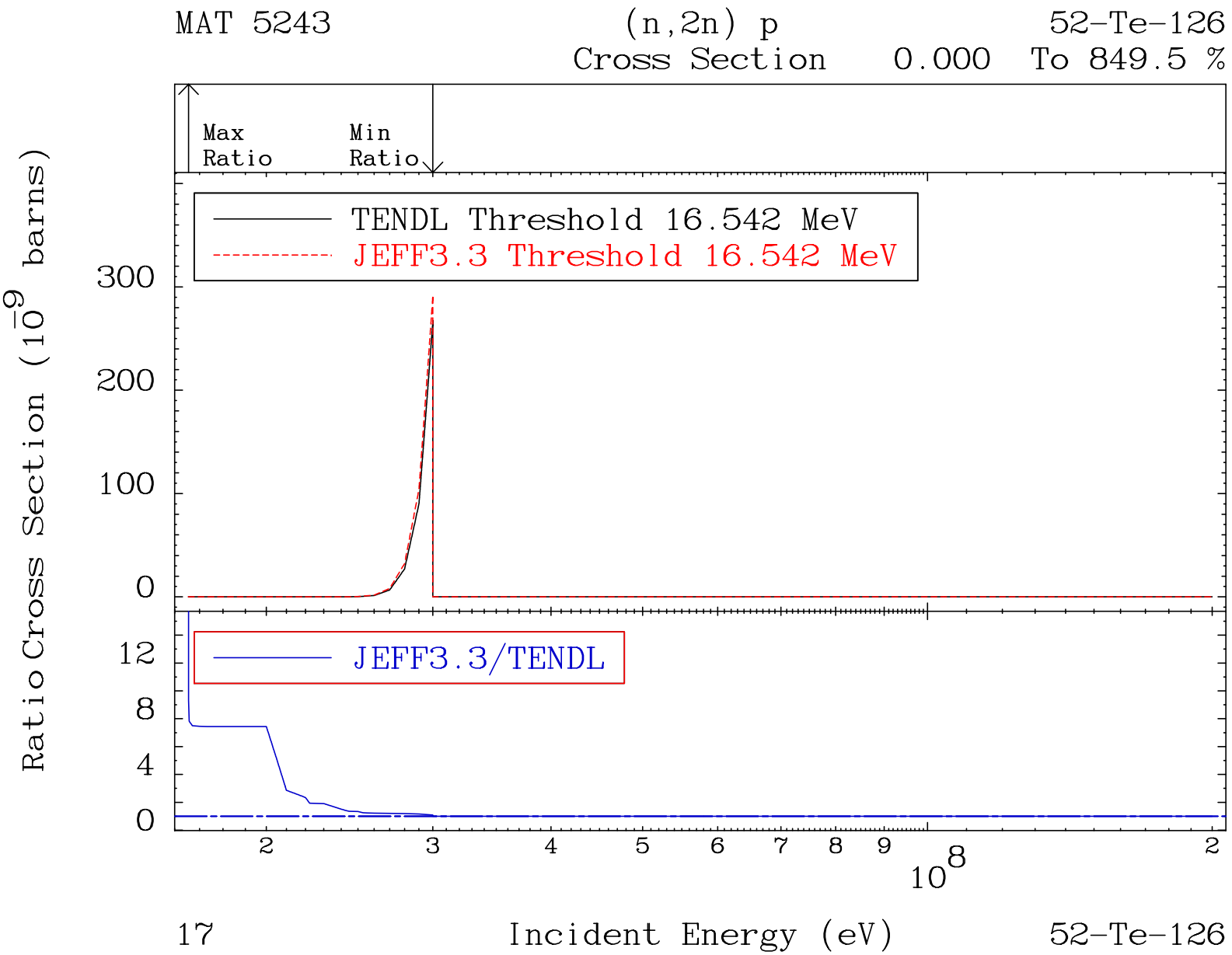

MAT 5243
(n,n') t
52-Te-126
Cross Section 0.000 To 1843. %
Max Ratio
Min Ratio
TENDL Threshold 15.918 MeV
JEFF3.3 Threshold 15.918 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
52-Te-126

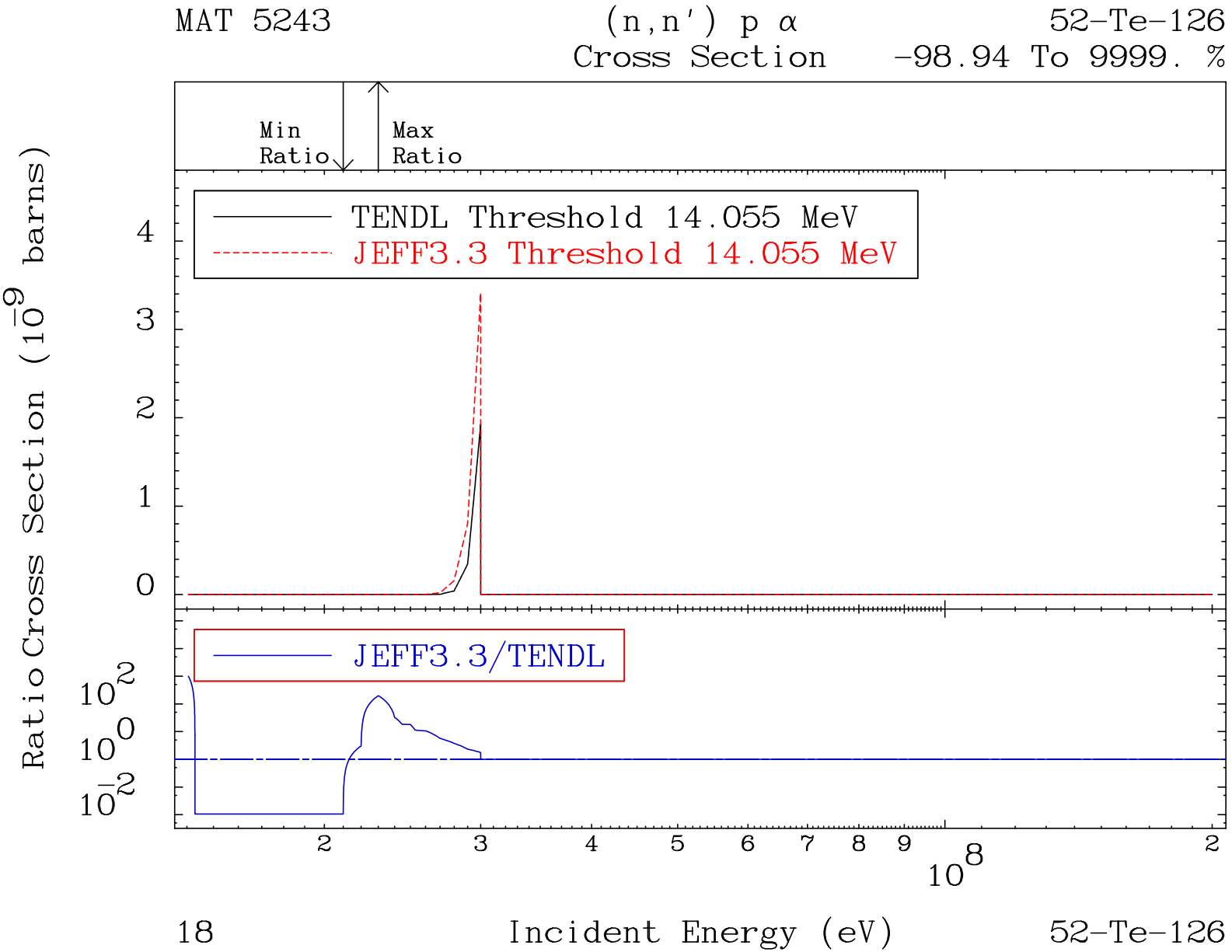

MAT 5243
(n,n') He-3
52-Te-126
Cross Section 0.000 To 70.21 %
Max Ratio
Min Ratio
TENDL Threshold 17.318 MeV
JEFF3.3 Threshold 17.318 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
13
52-Te-126

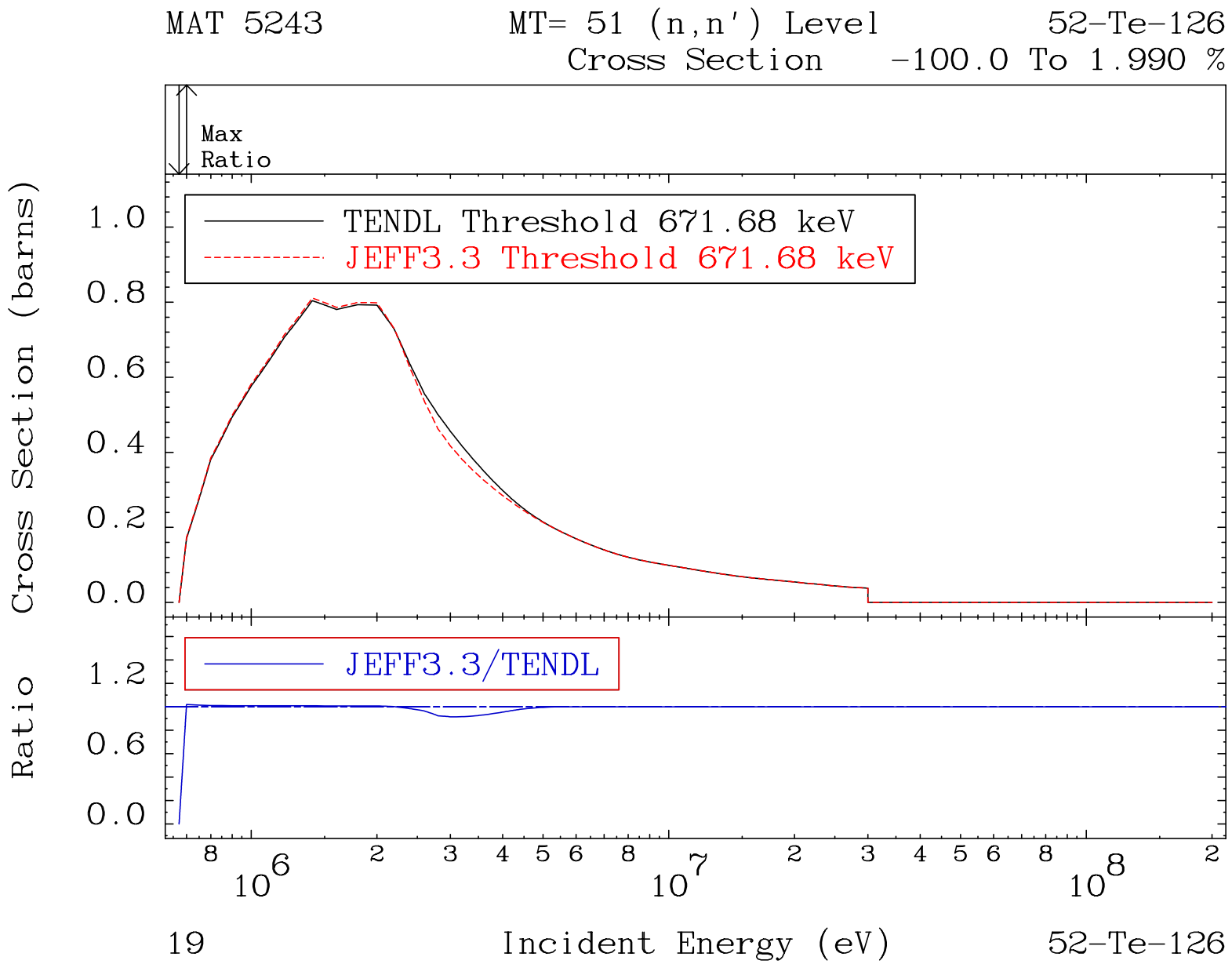

MAT 5243
(n,4n)
52-Te-126
Cross Section
-100.0 To 3333. %
Max
Ratio
TENDL Threshold 25.308 MeV
JEFF3.3 Threshold 25.308 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
20
0
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
52-Te-126

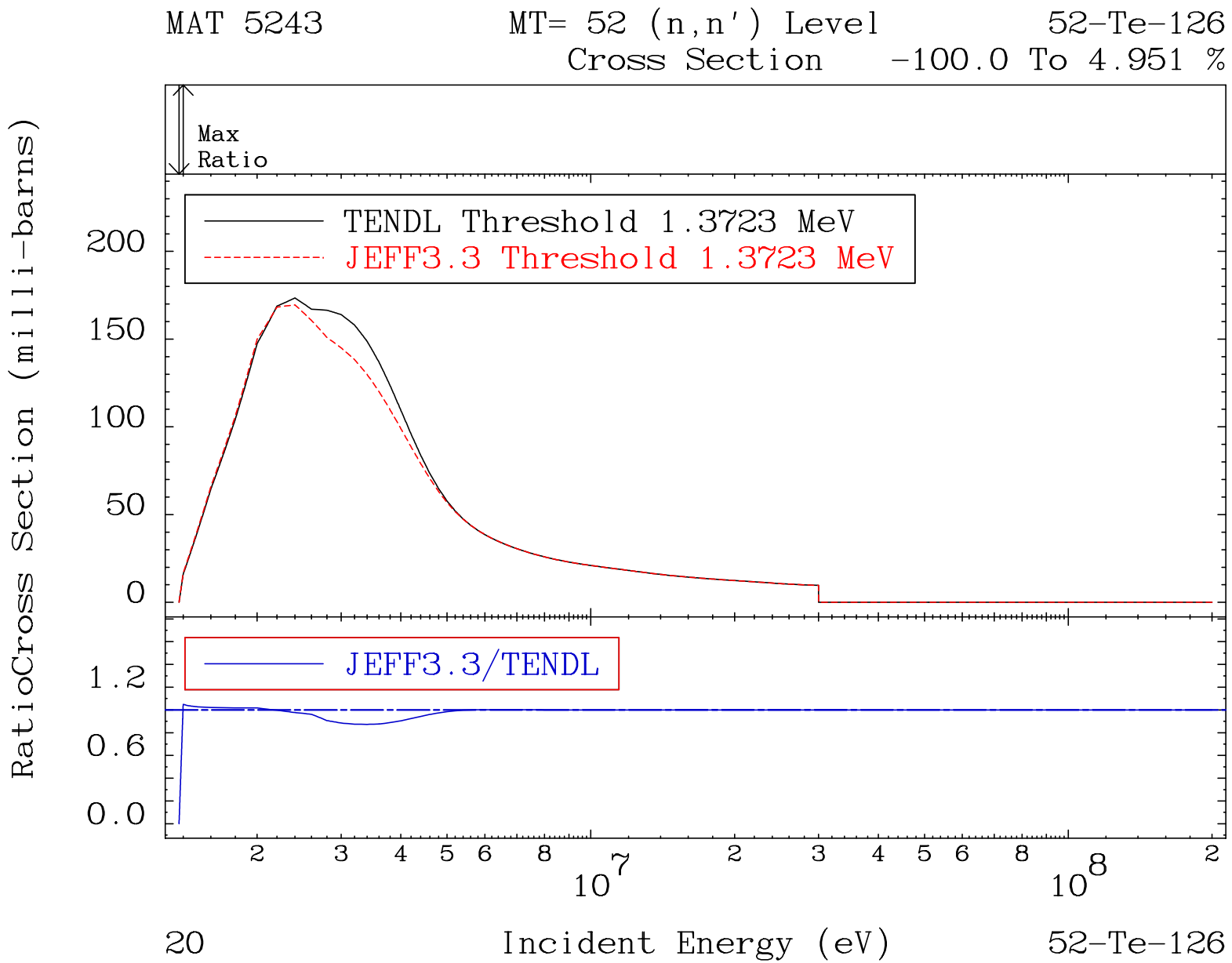

MAT 5243
(n,2n) p
52-Te-126
Cross Section
-1.159 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.948 MeV
JEFF3.3 Threshold 17.948 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
52-Te-126

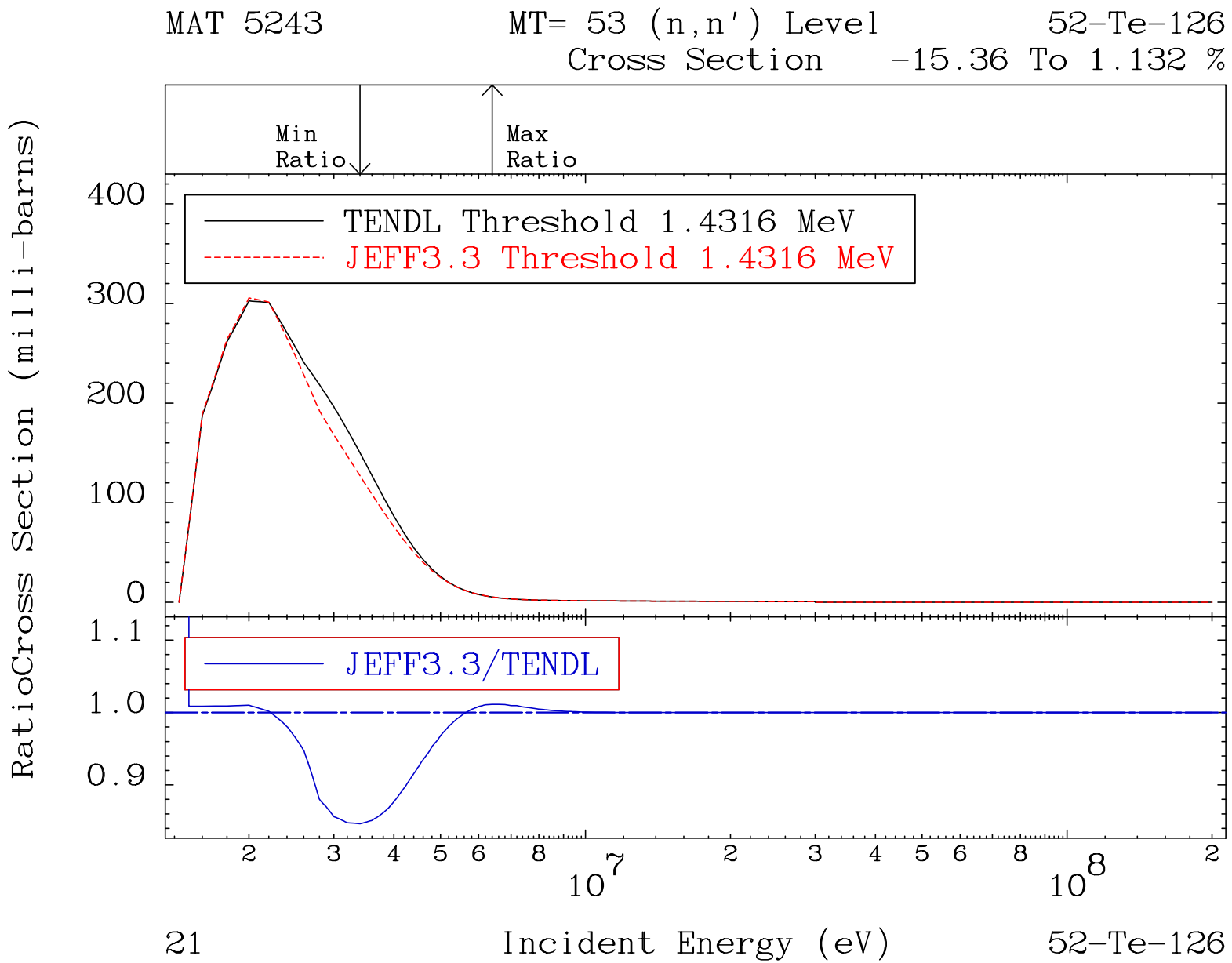

MAT 5243
(n,3n) p
52-Te-126
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 24.467 MeV
JEFF3.3 Threshold 24.467 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
25
20
15
10
5
0
10^6
10^3
10^0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
52-Te-126

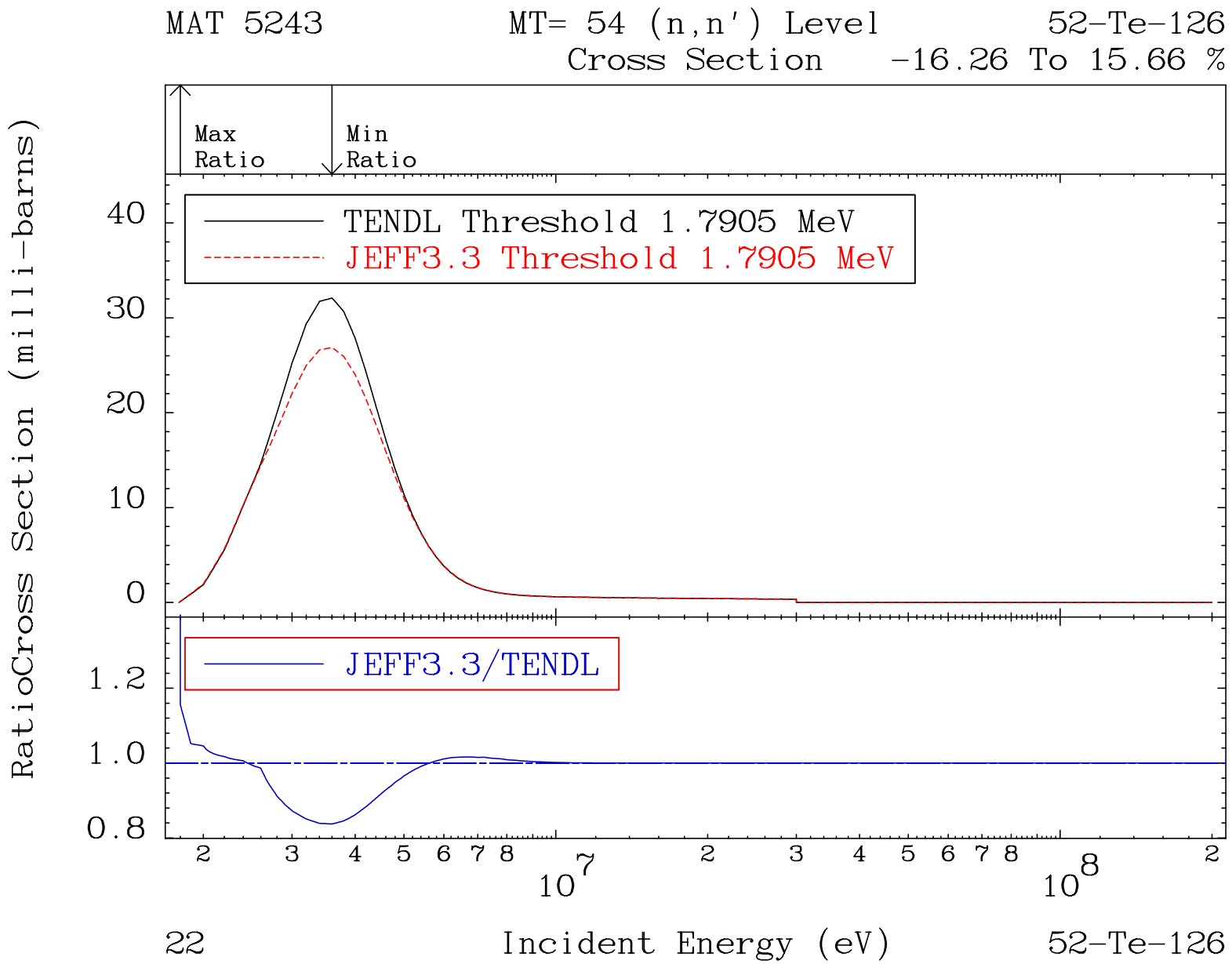

MAT 5243
(n,2n) p
Cross Section
52-Te-126
0.000 To 849.5 %
Max Ratio
Min Ratio
TENDL Threshold 16.542 MeV
JEFF3.3 Threshold 16.542 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
300
200
100
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
52-Te-126

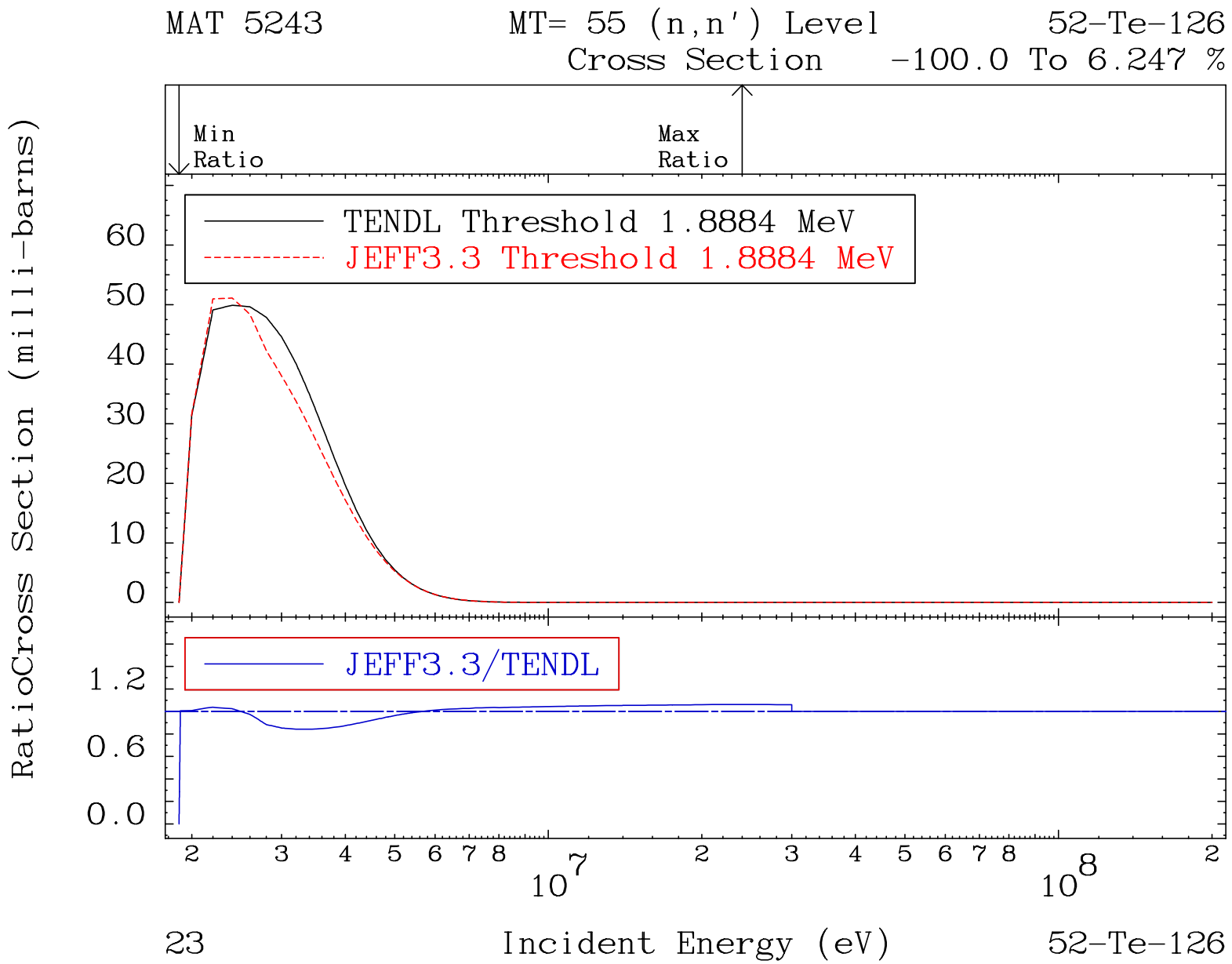

MAT 5243
(n,n') p α
52-Te-126
Cross Section
-98.94 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.055 MeV
JEFF3.3 Threshold 14.055 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
18
52-Te-126

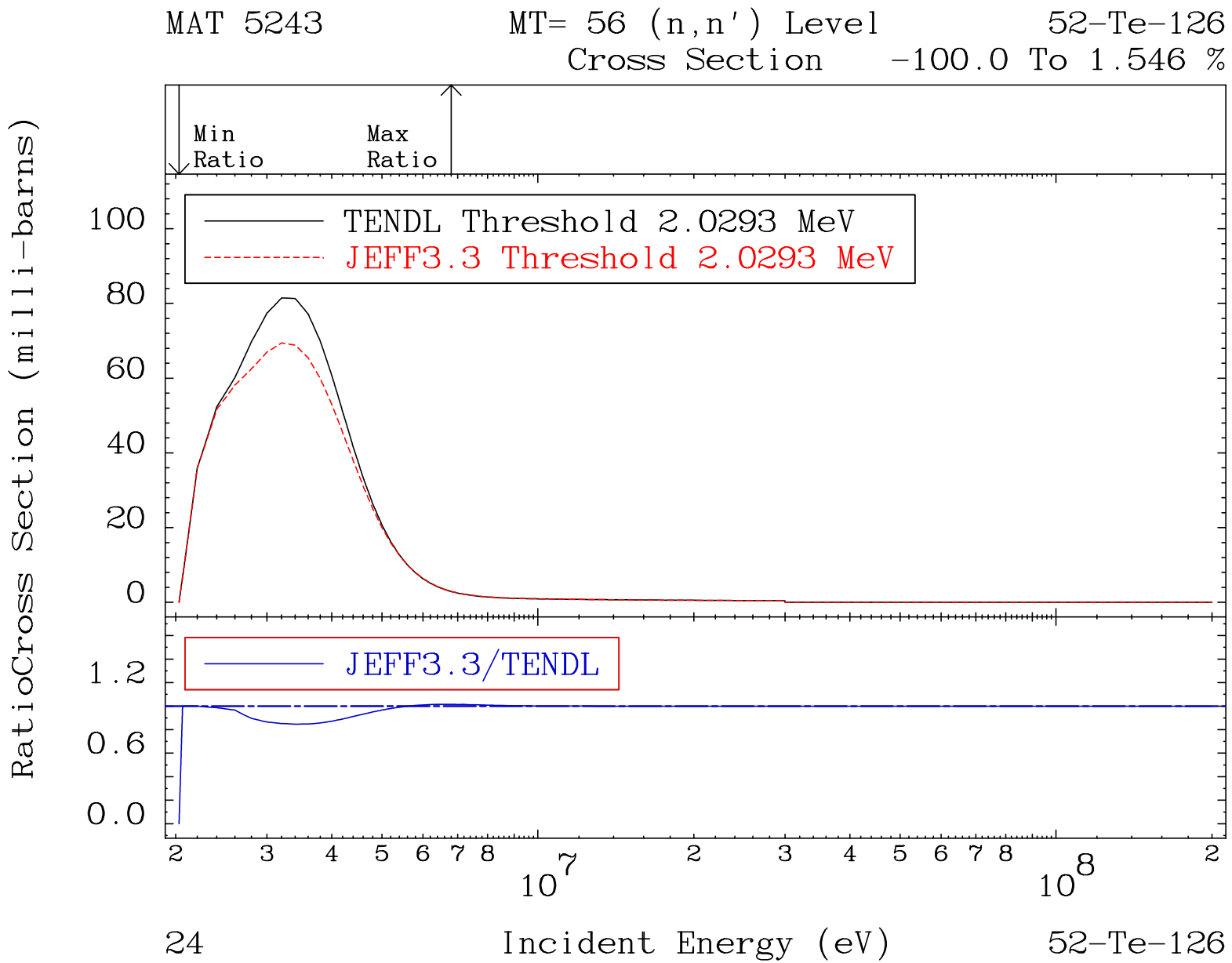

MAT 5243
MT= 51 (n,n') Level
52-Te-126
Cross Section
-100.0 To 1.990 %
Max
Ratio
TENDL Threshold 671.68 keV
JEFF3.3 Threshold 671.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
52-Te-126

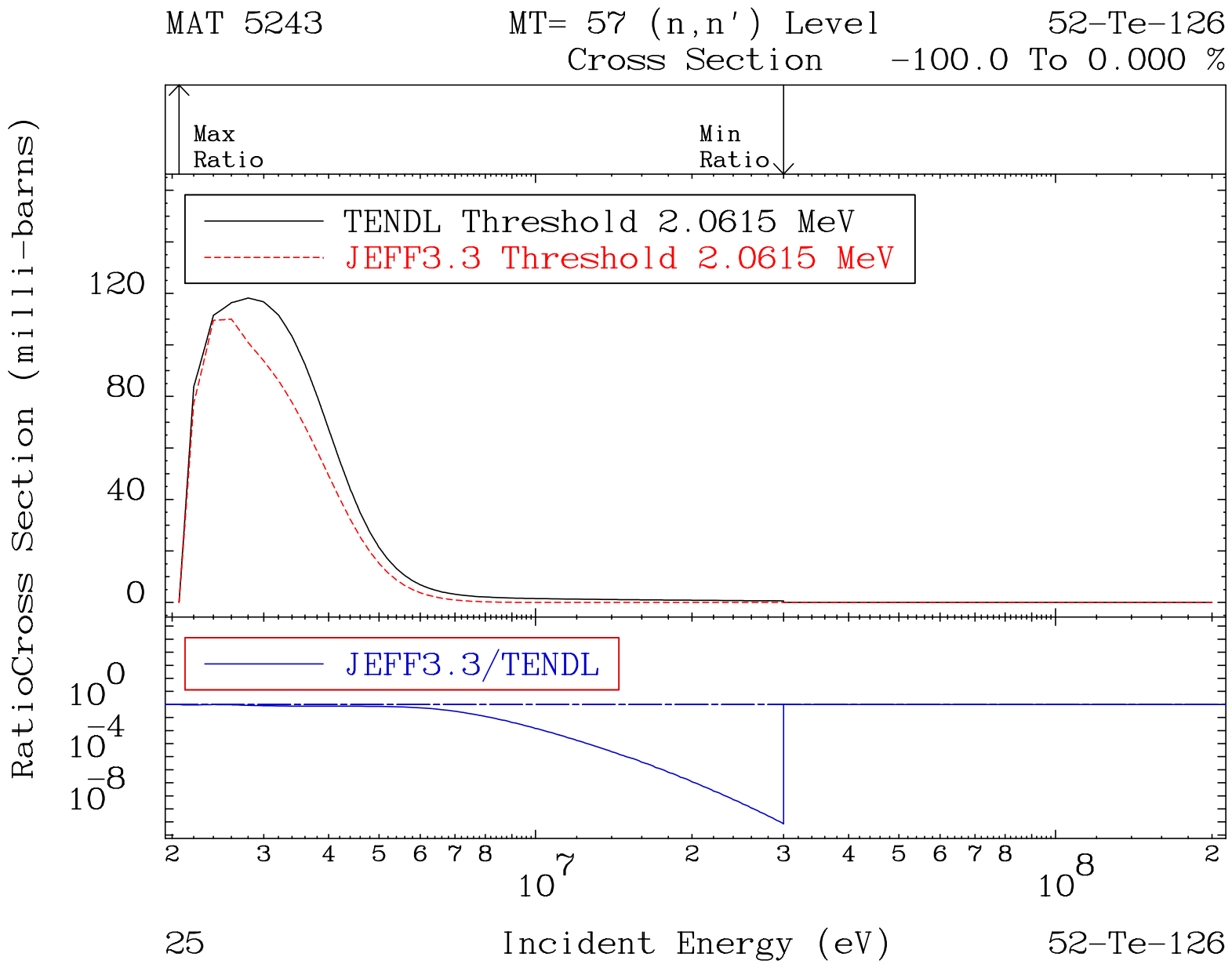

MAT 5243
MT= 52 (n,n') Level
52-Te-126
Cross Section
-100.0 To 4.951 %
Max
Ratio
TENDL Threshold 1.3723 MeV
JEFF3.3 Threshold 1.3723 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
52-Te-126

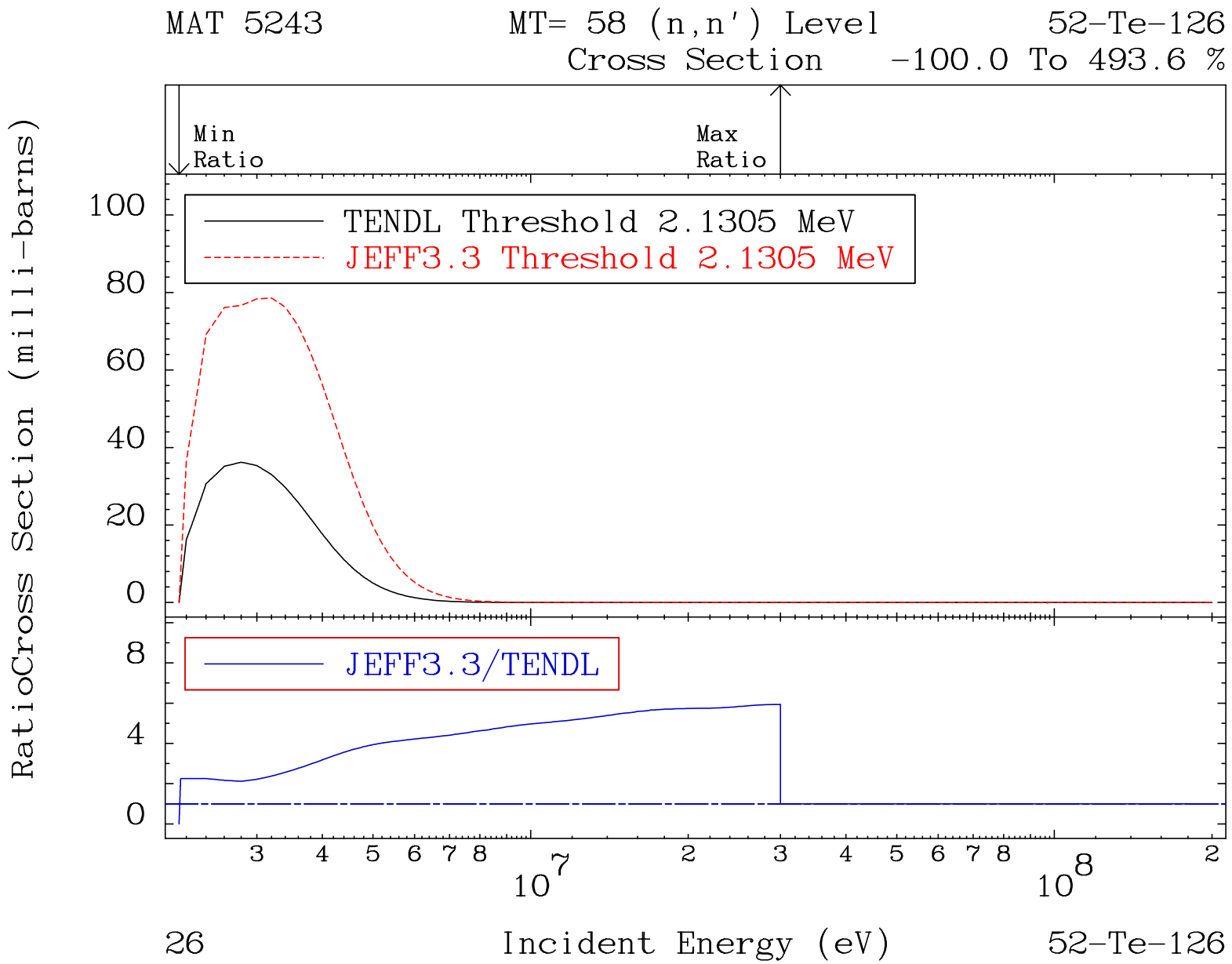

MAT 5243
MT= 53 (n,n') Level
52-Te-126
Cross Section -15.36 To 1.132 %
Min Ratio
Max Ratio
TENDL Threshold 1.4316 MeV
JEFF3.3 Threshold 1.4316 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.1
1.0
0.9
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
52-Te-126

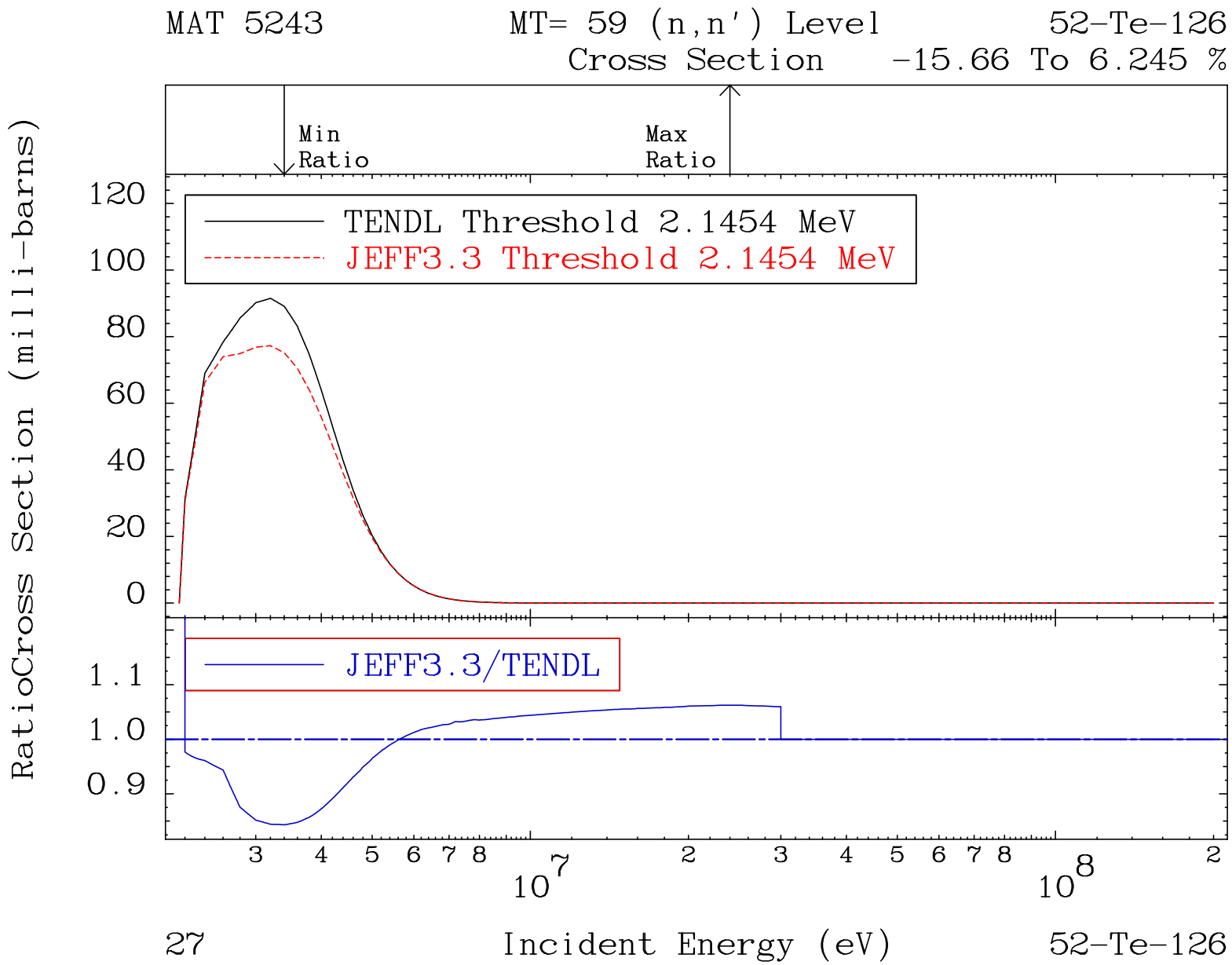

MAT 5243
MT= 54 (n,n') Level
52-Te-126
Cross Section -16.26 To 15.66 %
Max Ratio
Min Ratio
TENDL Threshold 1.7905 MeV
JEFF3.3 Threshold 1.7905 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
1.0
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
52-Te-126

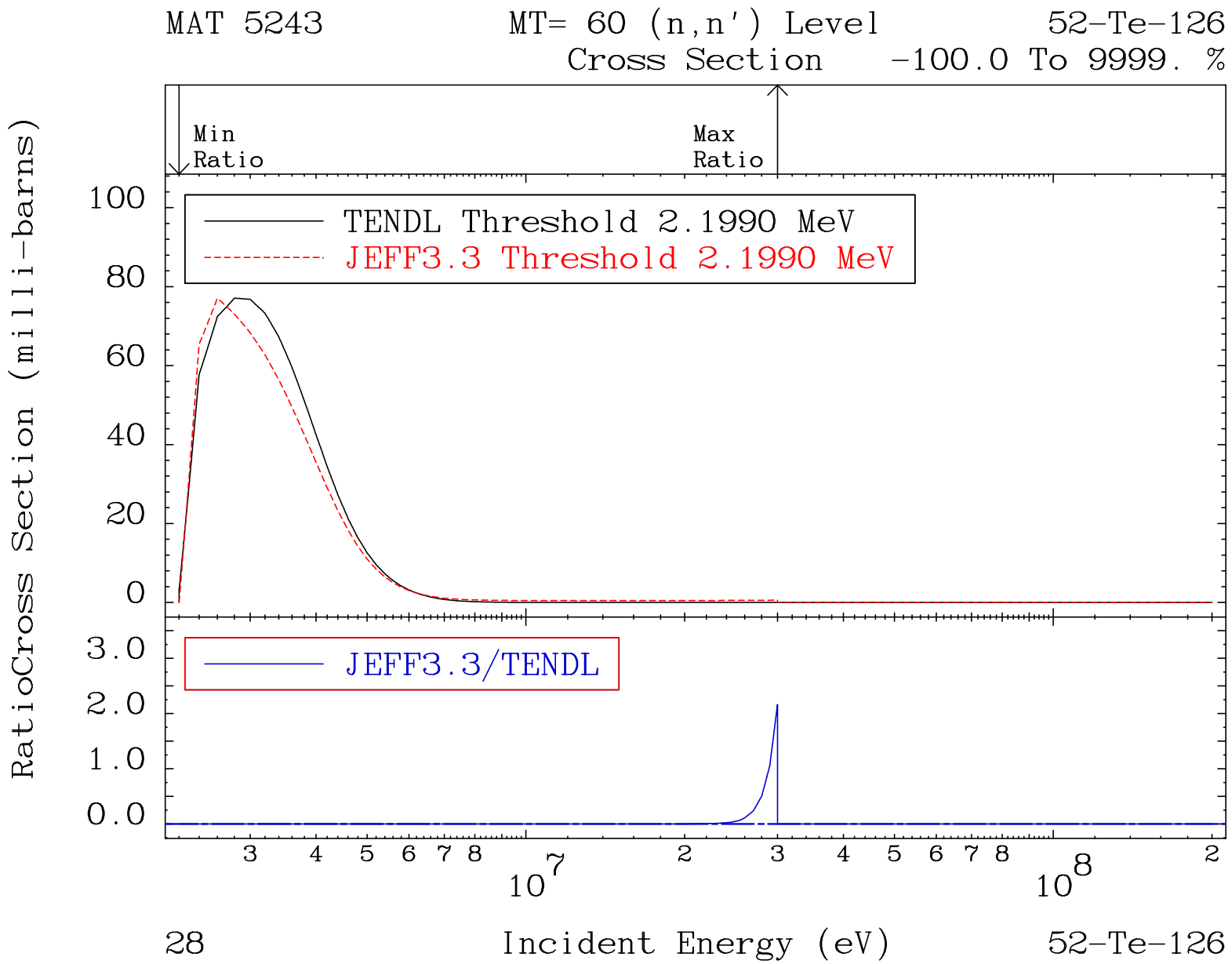

MAT 5243
MT= 55 (n,n') Level
52-Te-126
Cross Section
-100.0 To 6.247 %
Min Ratio
Max Ratio
TENDL Threshold 1.8884 MeV
JEFF3.3 Threshold 1.8884 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
52-Te-126

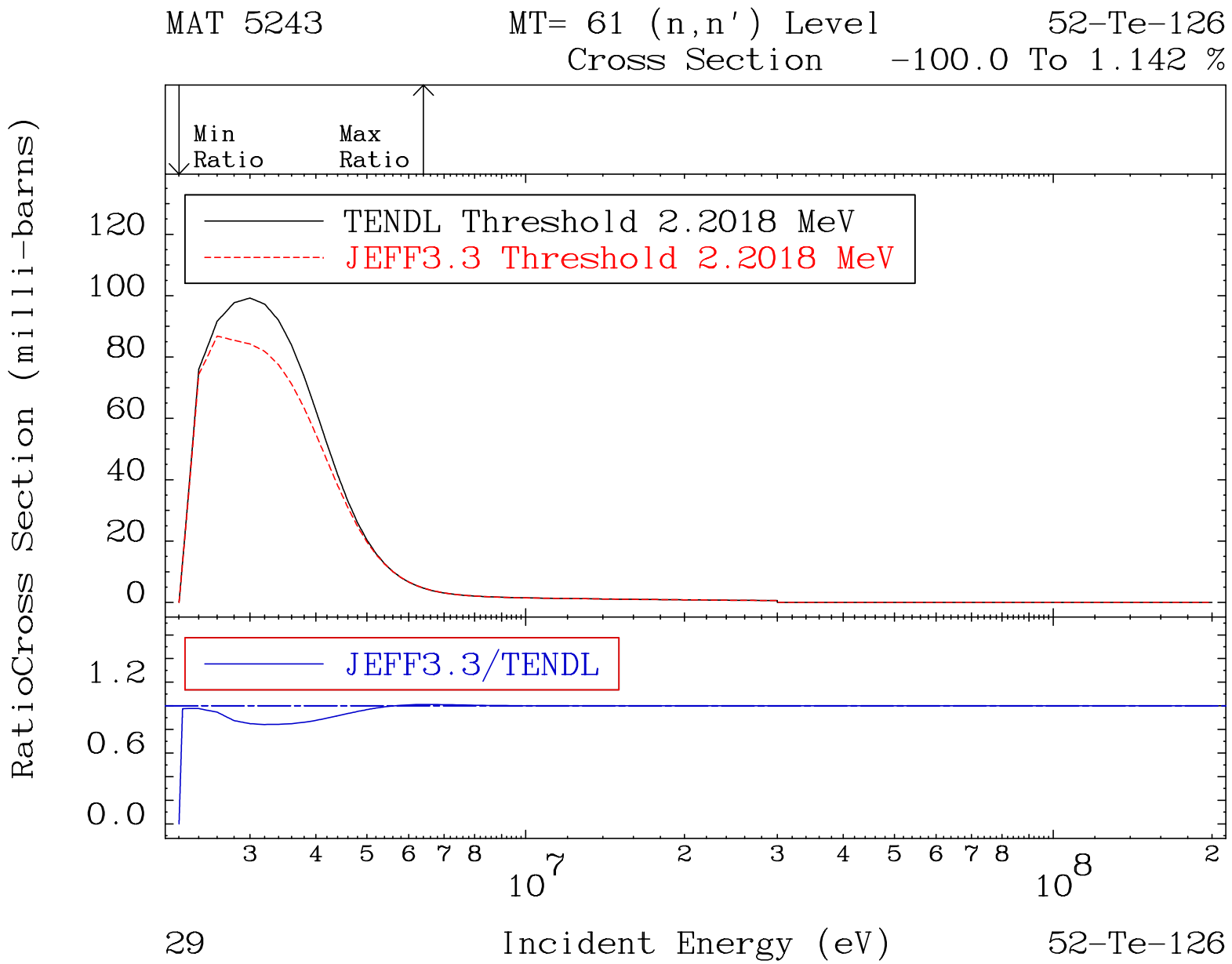

MAT 5243
MT= 56 (n,n') Level
52-Te-126
Cross Section -100.0 To 1.546 %
Min Ratio
Max Ratio
TENDL Threshold 2.0293 MeV
JEFF3.3 Threshold 2.0293 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
52-Te-126

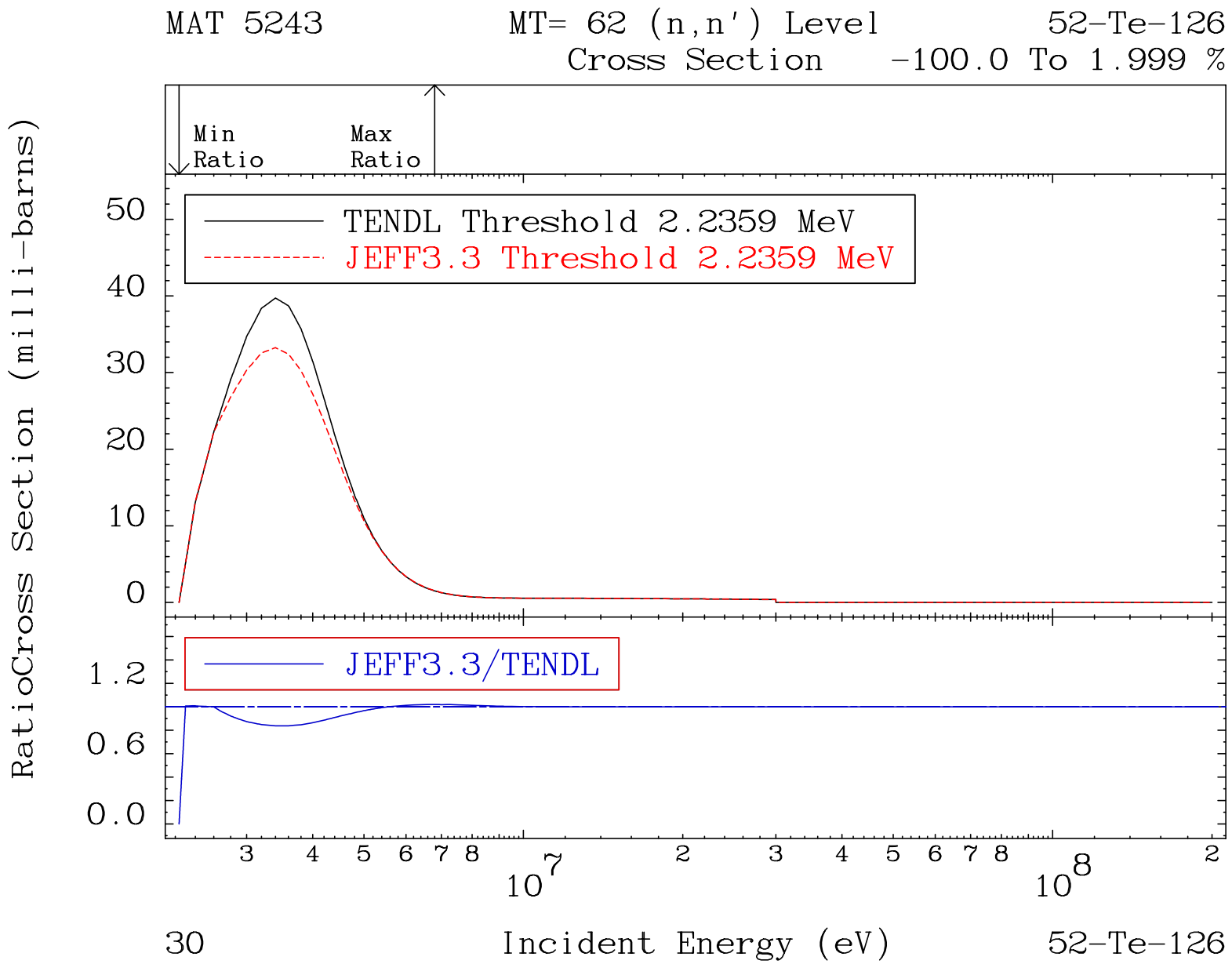

MAT 5243
MT= 57 (n,n') Level
52-Te-126
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.0615 MeV
JEFF3.3 Threshold 2.0615 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^{0}
10^{-4}
10^{-8}
2 3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
25
Incident Energy (eV)
52-Te-126

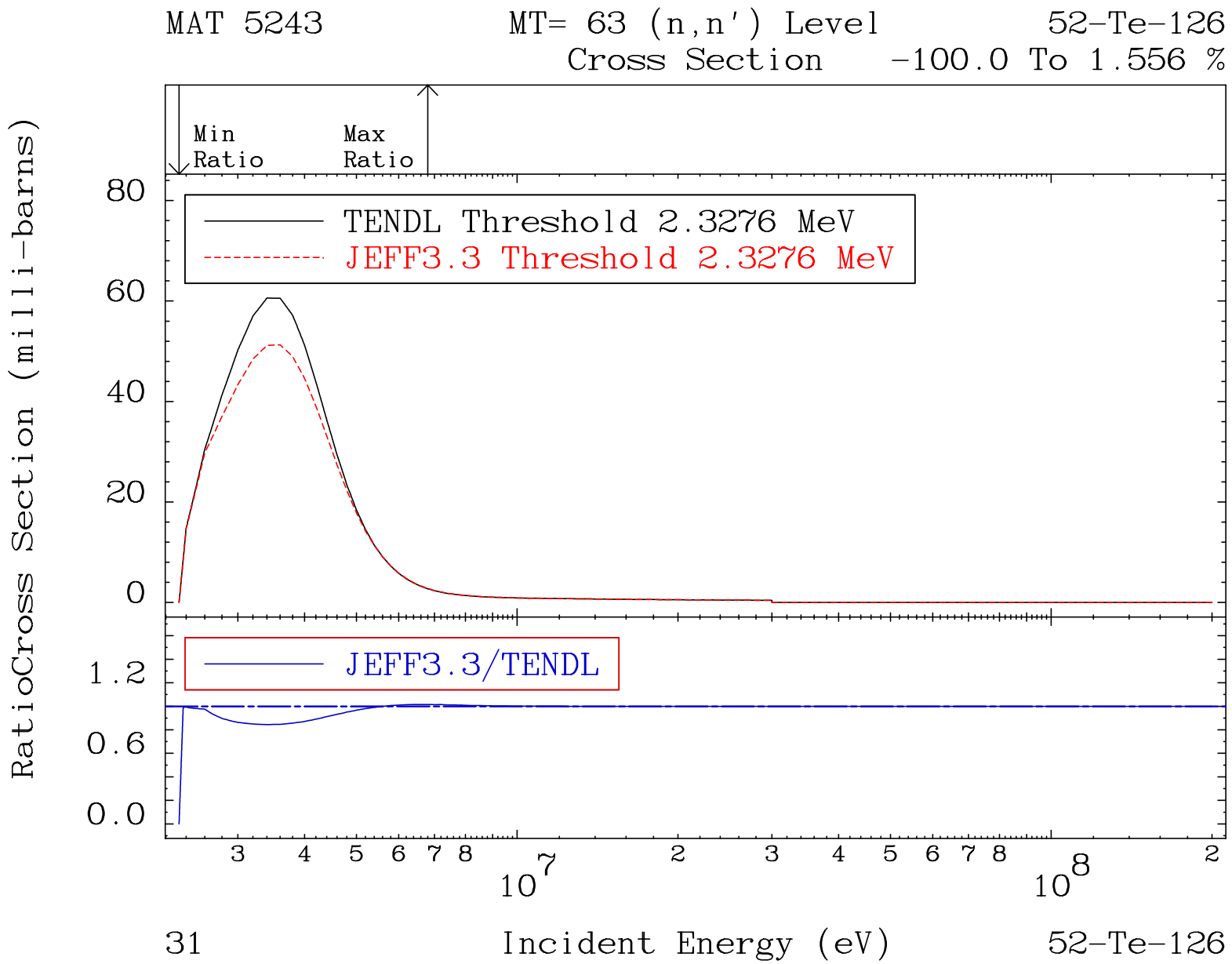

MAT 5243
MT= 58 (n,n') Level
52-Te-126
Cross Section
-100.0 To 493.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.1305 MeV
JEFF3.3 Threshold 2.1305 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
52-Te-126

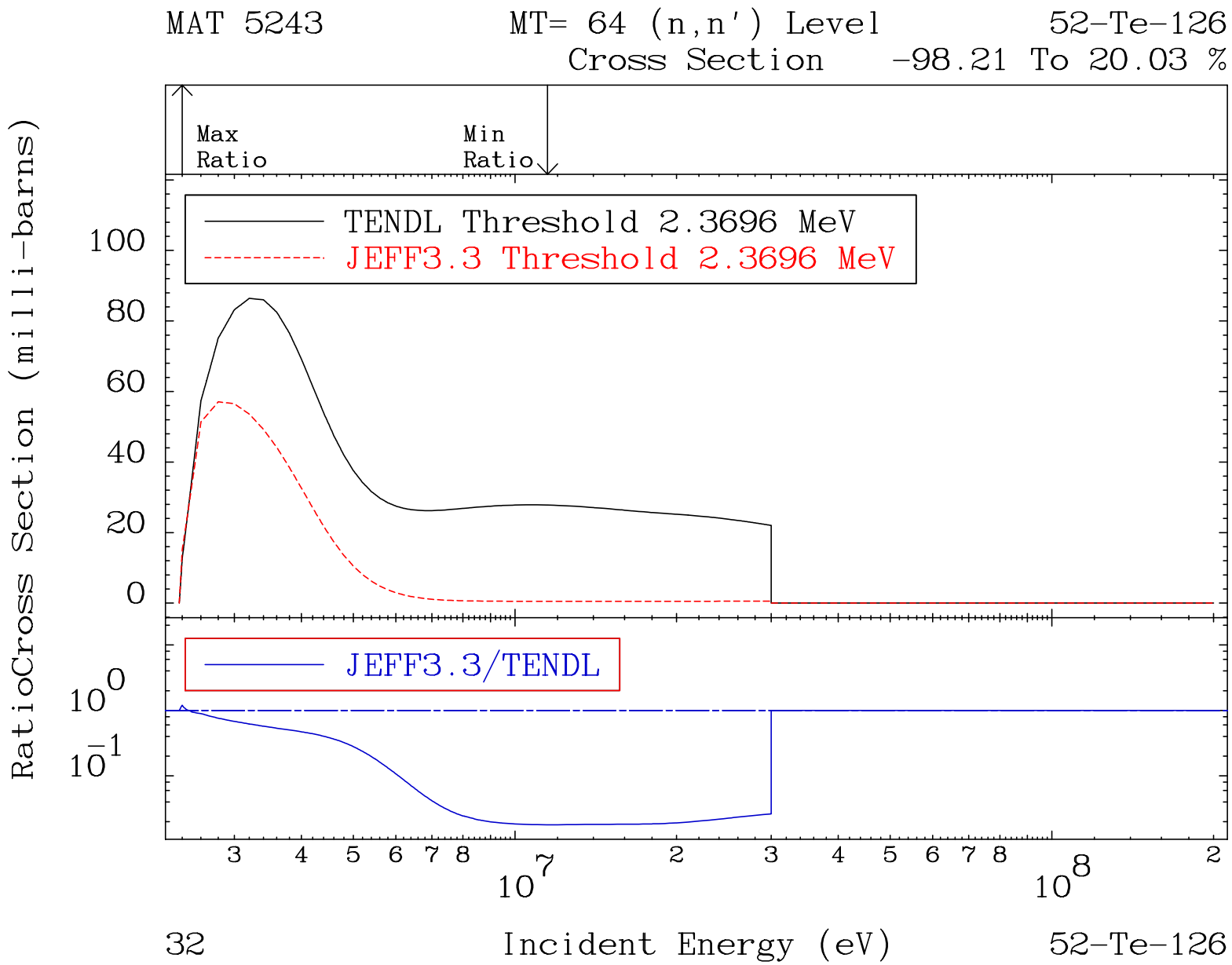

MAT 5243
MT= 59 (n,n') Level
52-Te-126
Cross Section
-15.66 To 6.245 %
Min Ratio
Max Ratio
TENDL Threshold 2.1454 MeV
JEFF3.3 Threshold 2.1454 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.1
1.0
0.9
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
52-Te-126

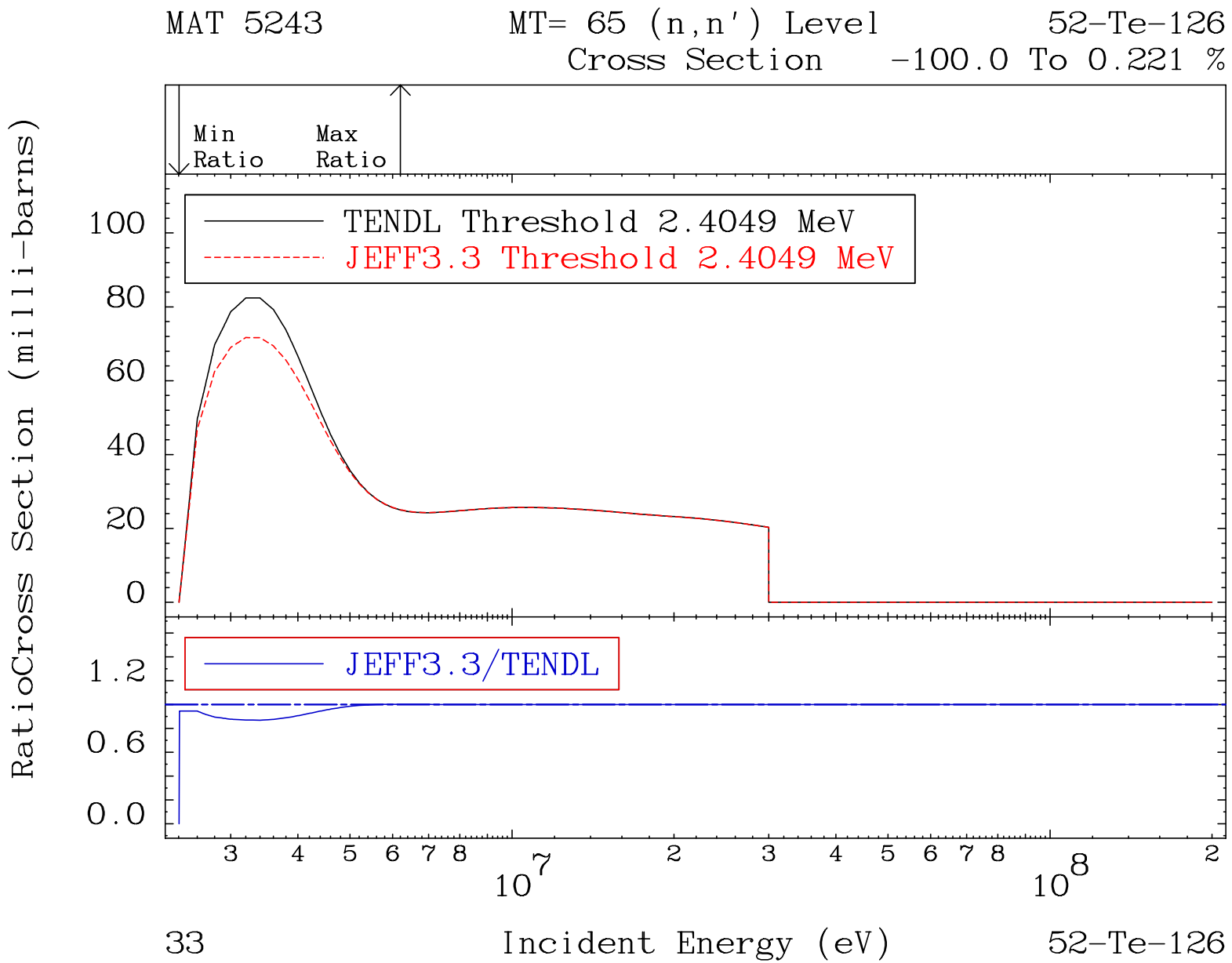

MAT 5243
MT= 60 (n,n') Level
52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1990 MeV
JEFF3.3 Threshold 2.1990 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
52-Te-126

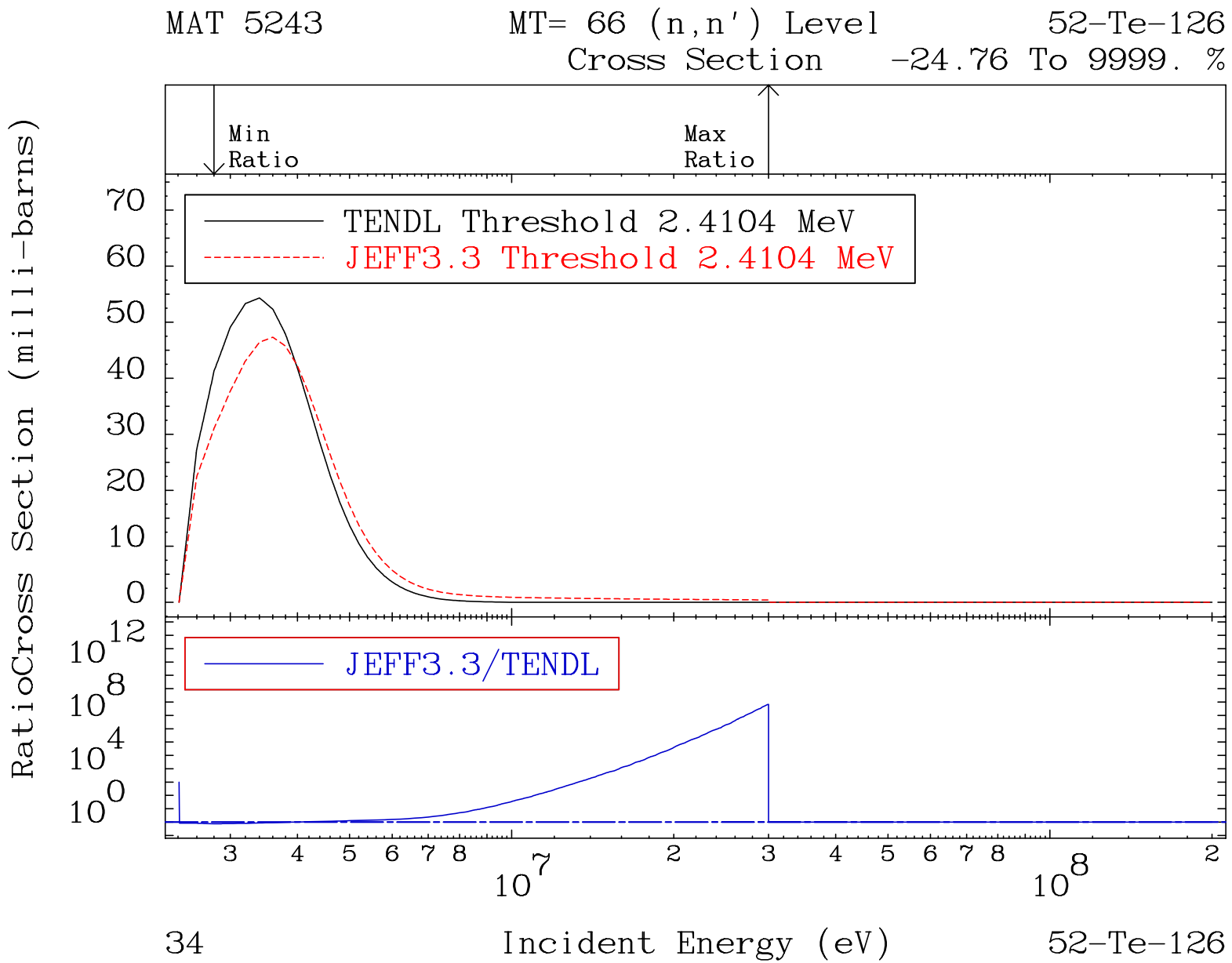

MAT 5243
MT= 61 (n,n') Level
52-Te-126
Cross Section -100.0 To 1.142 %
Min Ratio
Max Ratio
TENDL Threshold 2.2018 MeV
JEFF3.3 Threshold 2.2018 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
52-Te-126

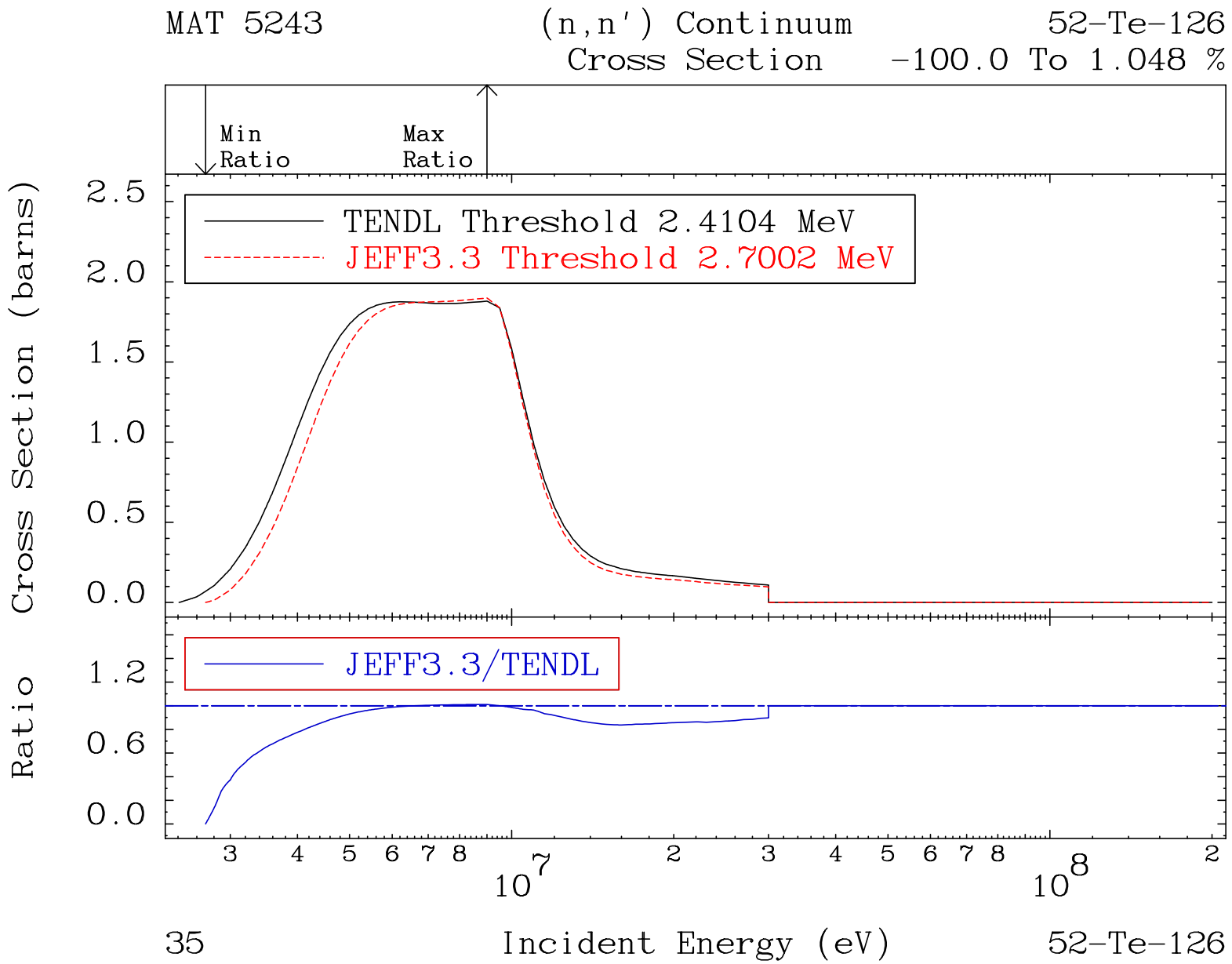

MAT 5243
MT= 62 (n,n') Level
52-Te-126
Cross Section
-100.0 To 1.999 %
Min Ratio
Max Ratio
TENDL Threshold 2.2359 MeV
JEFF3.3 Threshold 2.2359 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
30
52-Te-126

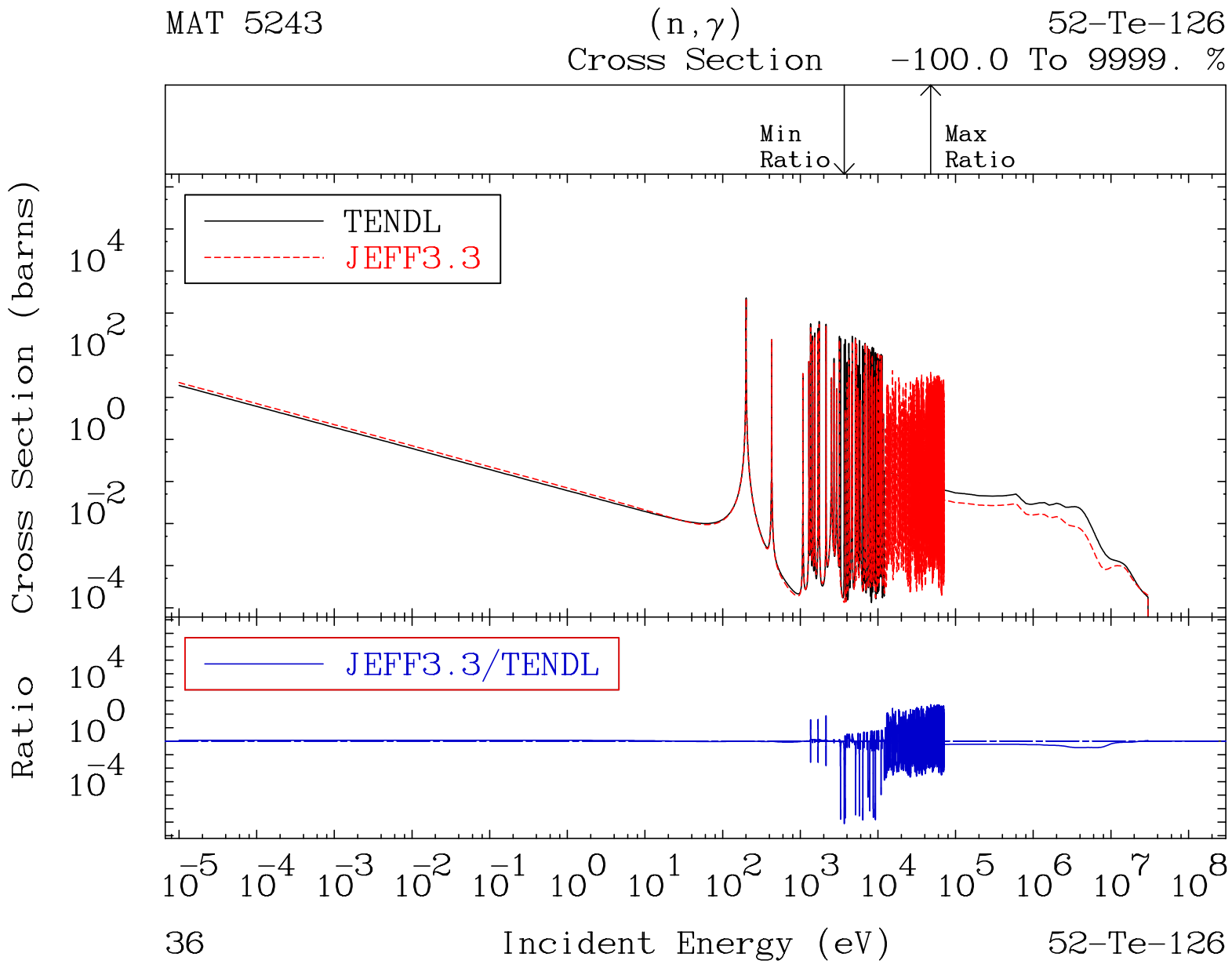

MAT 5243
MT= 63 (n,n') Level
52-Te-126
Cross Section
-100.0 To 1.556 %
Min Ratio
Max Ratio
TENDL Threshold 2.3276 MeV
JEFF3.3 Threshold 2.3276 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
52-Te-126

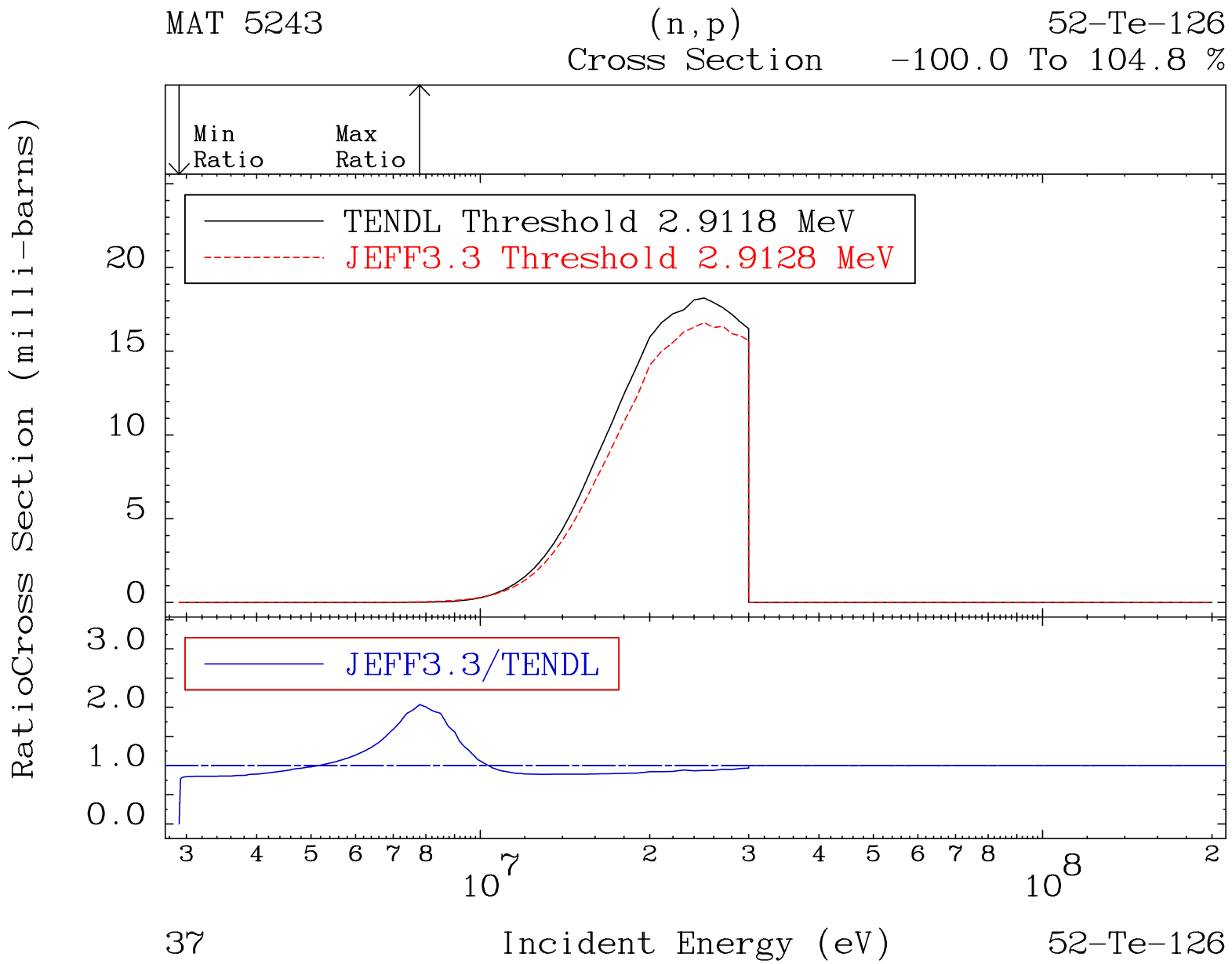

MAT 5243
MT= 64 (n,n') Level
52-Te-126
Cross Section -98.21 To 20.03 %
Max Ratio
Min Ratio
TENDL Threshold 2.3696 MeV
JEFF3.3 Threshold 2.3696 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^{0}
10^{-1}
3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
32
Incident Energy (eV)
52-Te-126

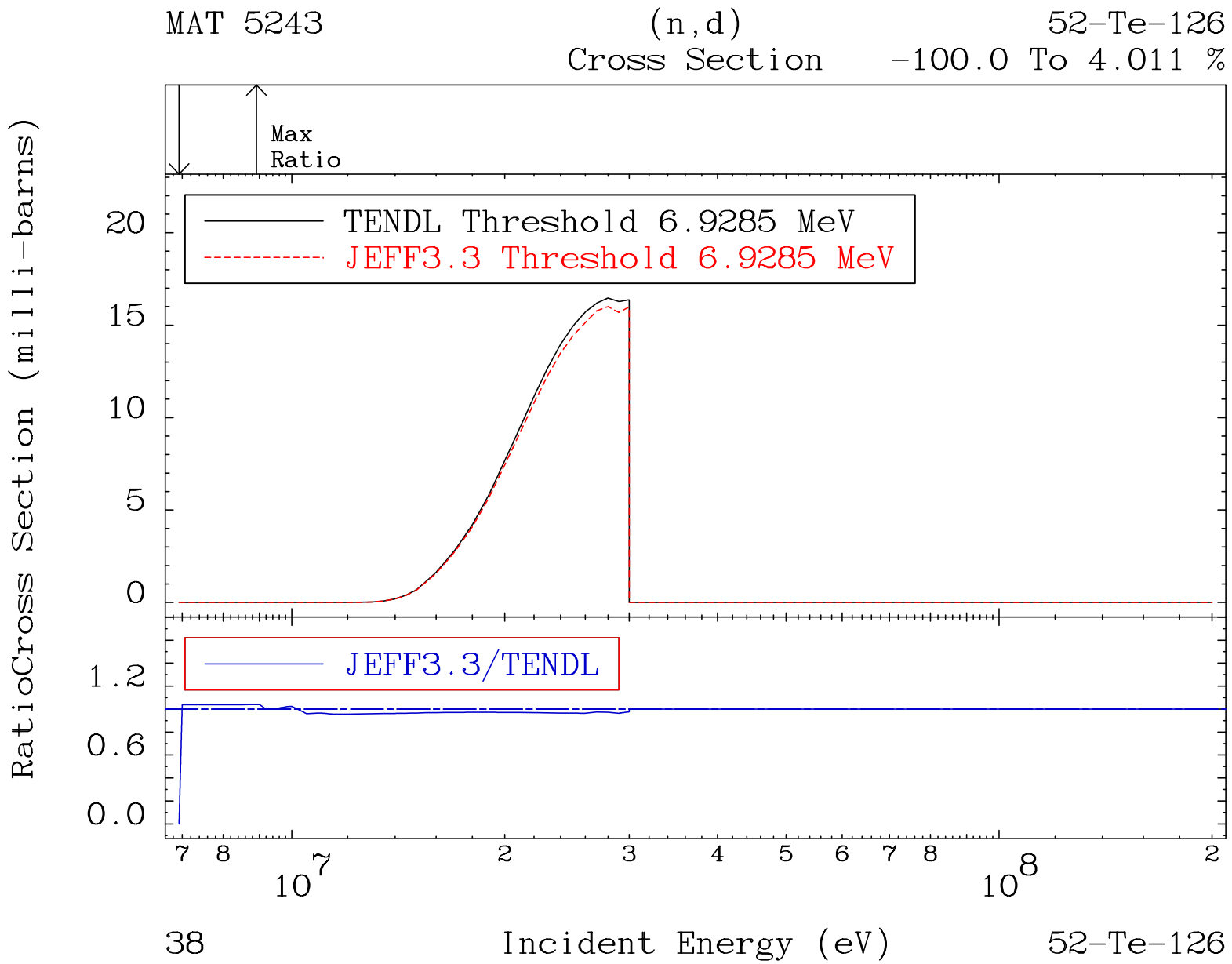

MAT 5243
MT= 65 (n,n') Level
52-Te-126
Cross Section
-100.0 To 0.221 %
Min Ratio
Max Ratio
TENDL Threshold 2.4049 MeV
JEFF3.3 Threshold 2.4049 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
52-Te-126

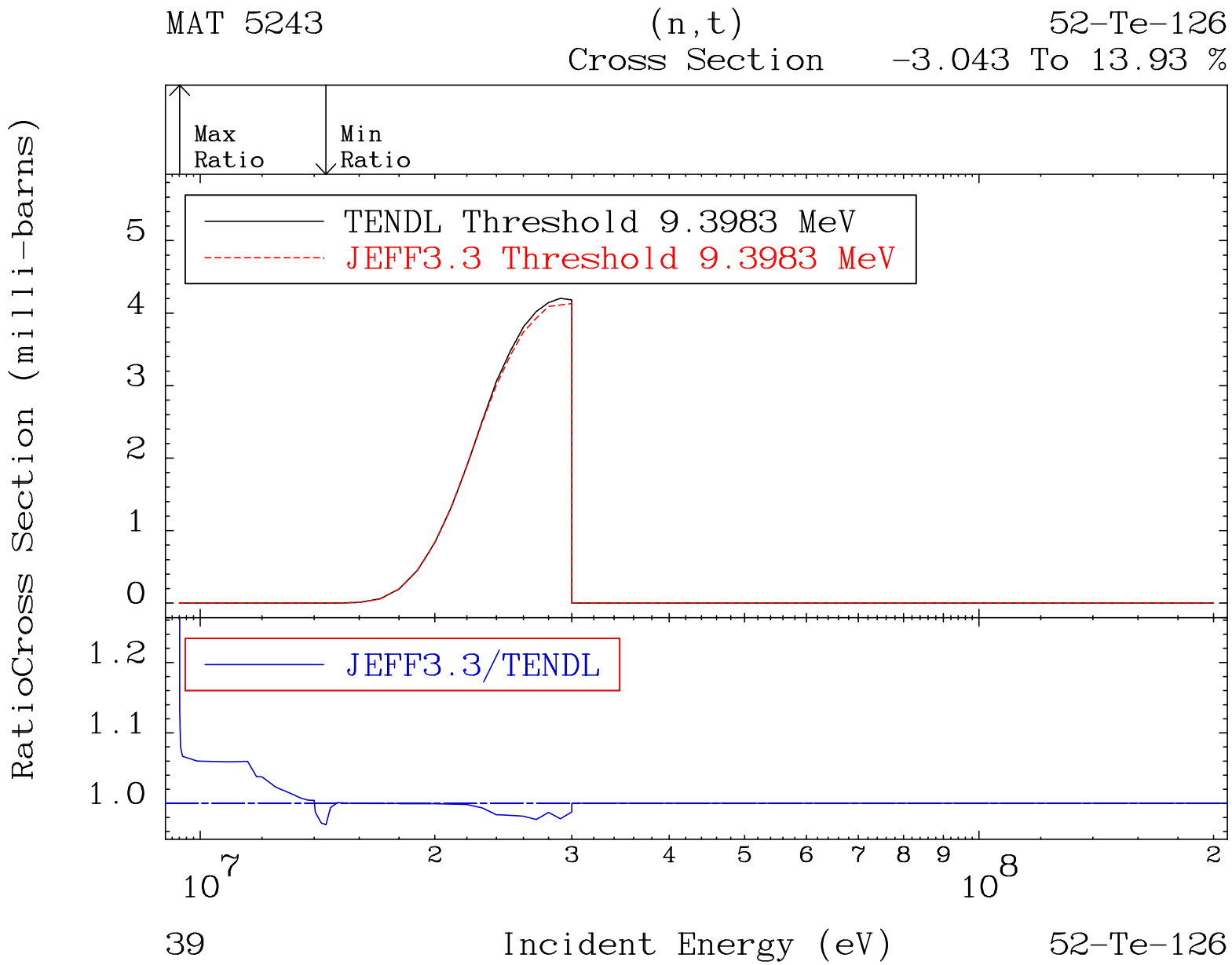

MAT 5243
MT= 66 (n,n') Level
52-Te-126
Cross Section -24.76 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.4104 MeV
JEFF3.3 Threshold 2.4104 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
52-Te-126

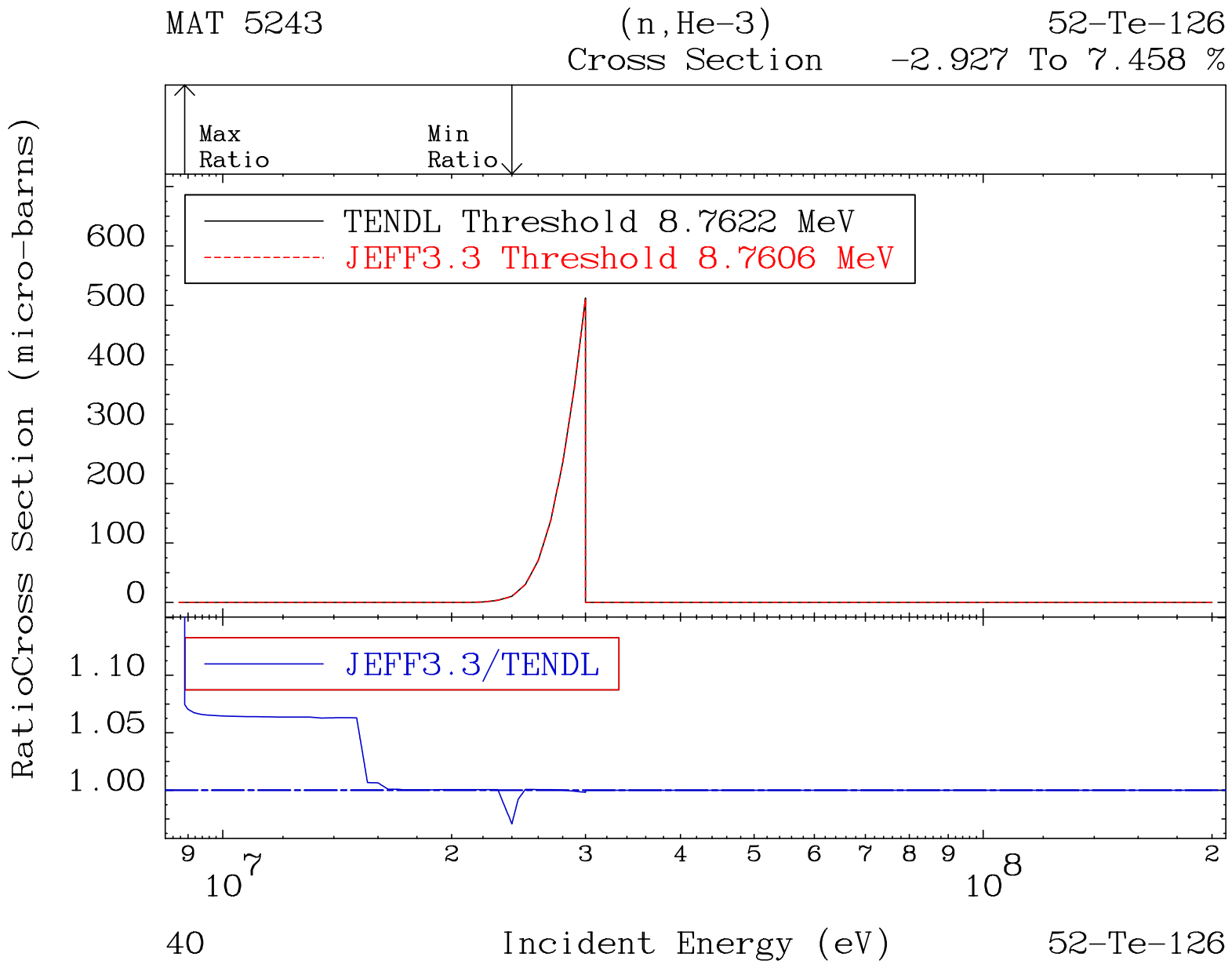

MAT 5243
(n,n') Continuum
Cross Section
52-Te-126
-100.0 To 1.048 %
Min Ratio
Max Ratio
TENDL Threshold 2.4104 MeV
JEFF3.3 Threshold 2.7002 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
52-Te-126

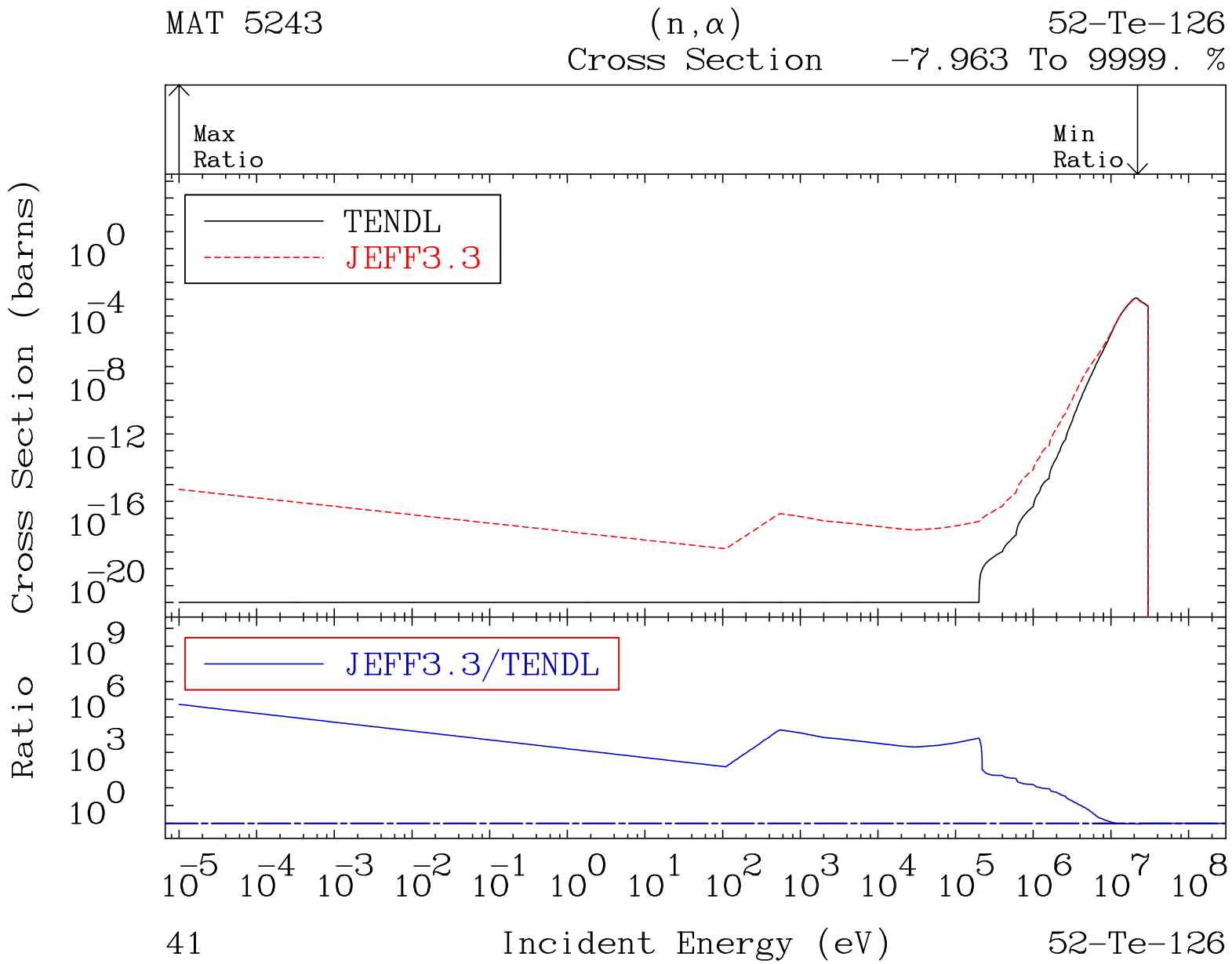

MAT 5243
(n,γ)
Cross Section
52-Te-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
52-Te-126

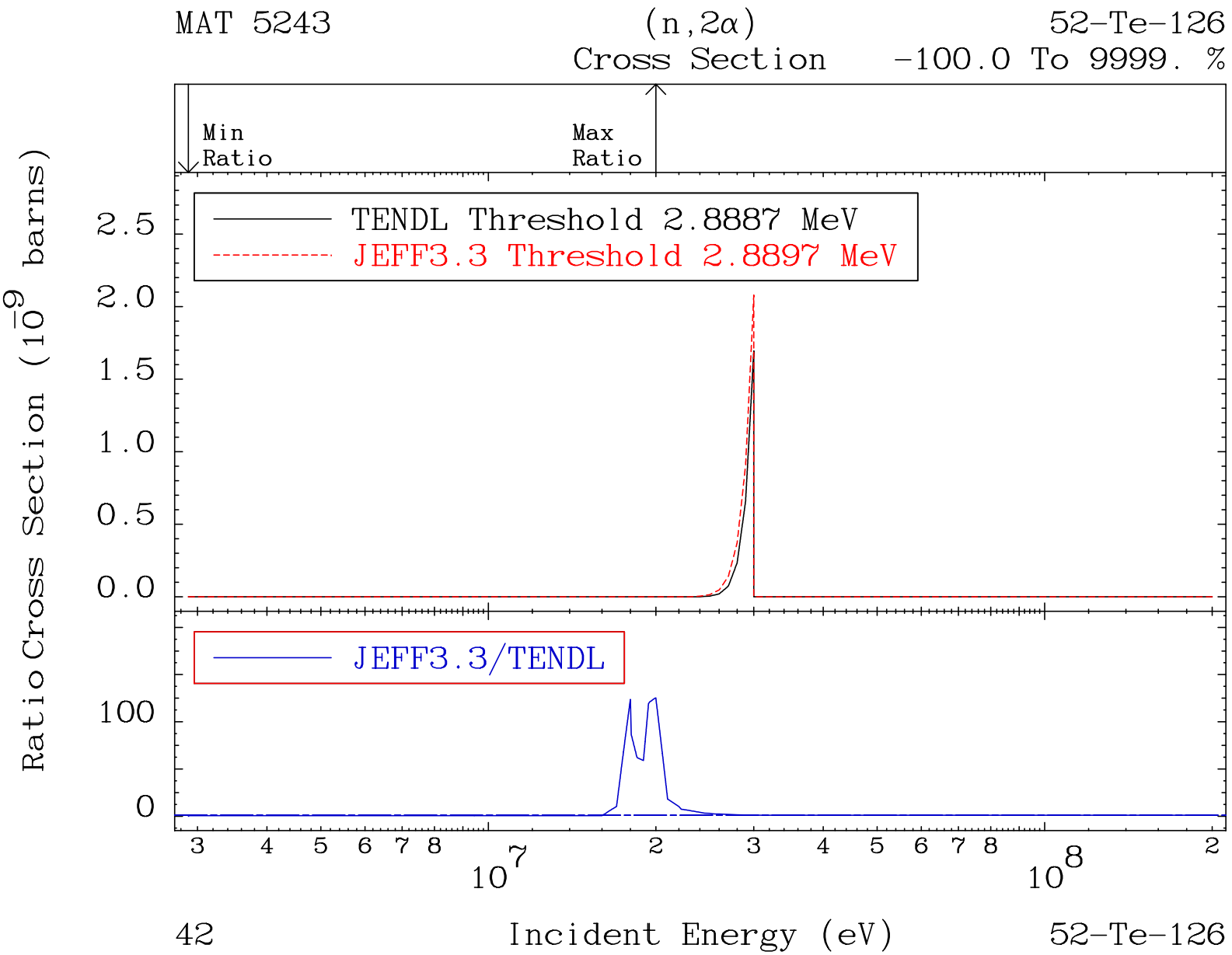

MAT 5243
(n,p)
52-Te-126
Cross Section
-100.0 To 104.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.9118 MeV
JEFF3.3 Threshold 2.9128 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
52-Te-126

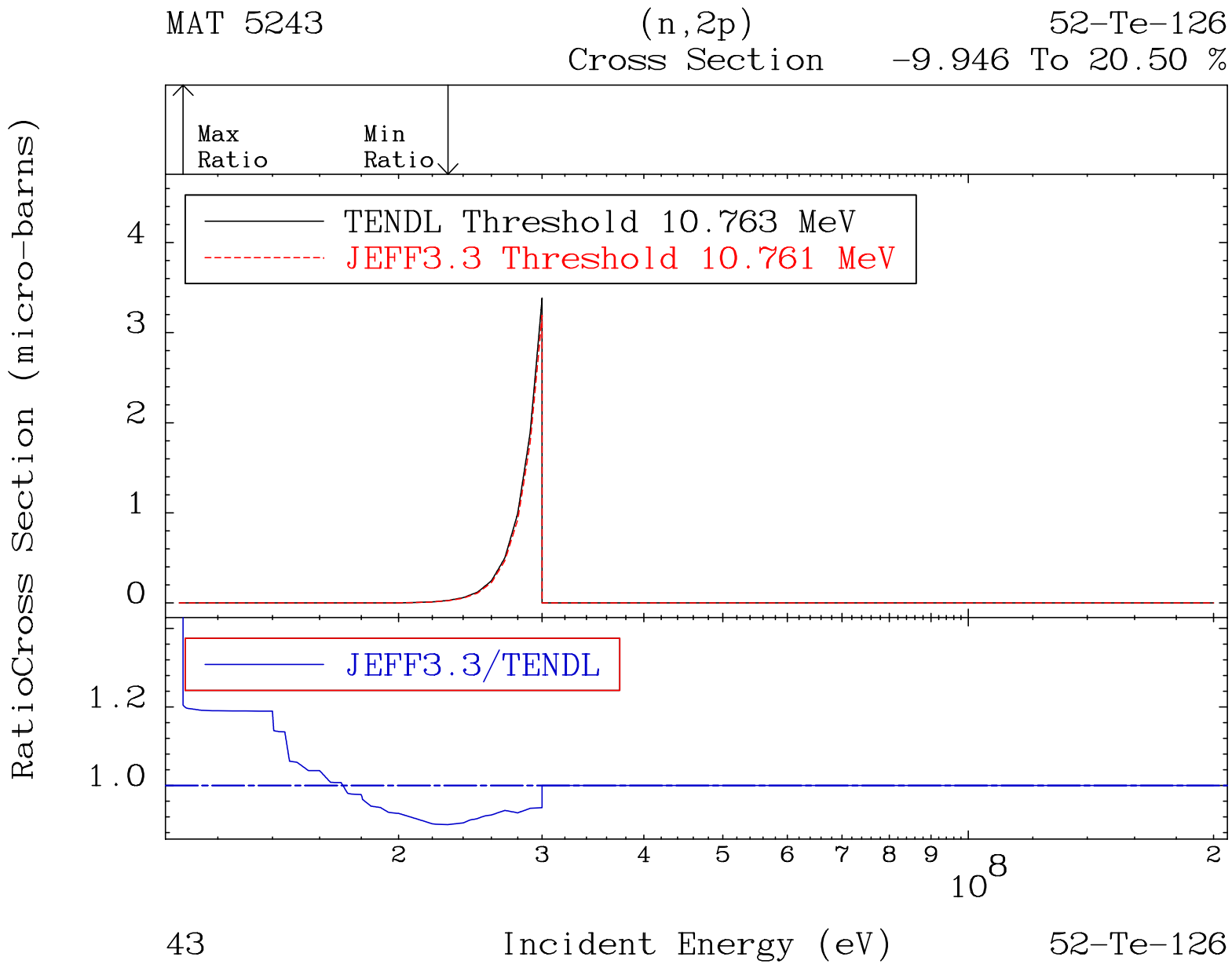

MAT 5243
(n,d)
52-Te-126
Cross Section
-100.0 To 4.011 %
Max
Ratio
TENDL Threshold 6.9285 MeV
JEFF3.3 Threshold 6.9285 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
52-Te-126

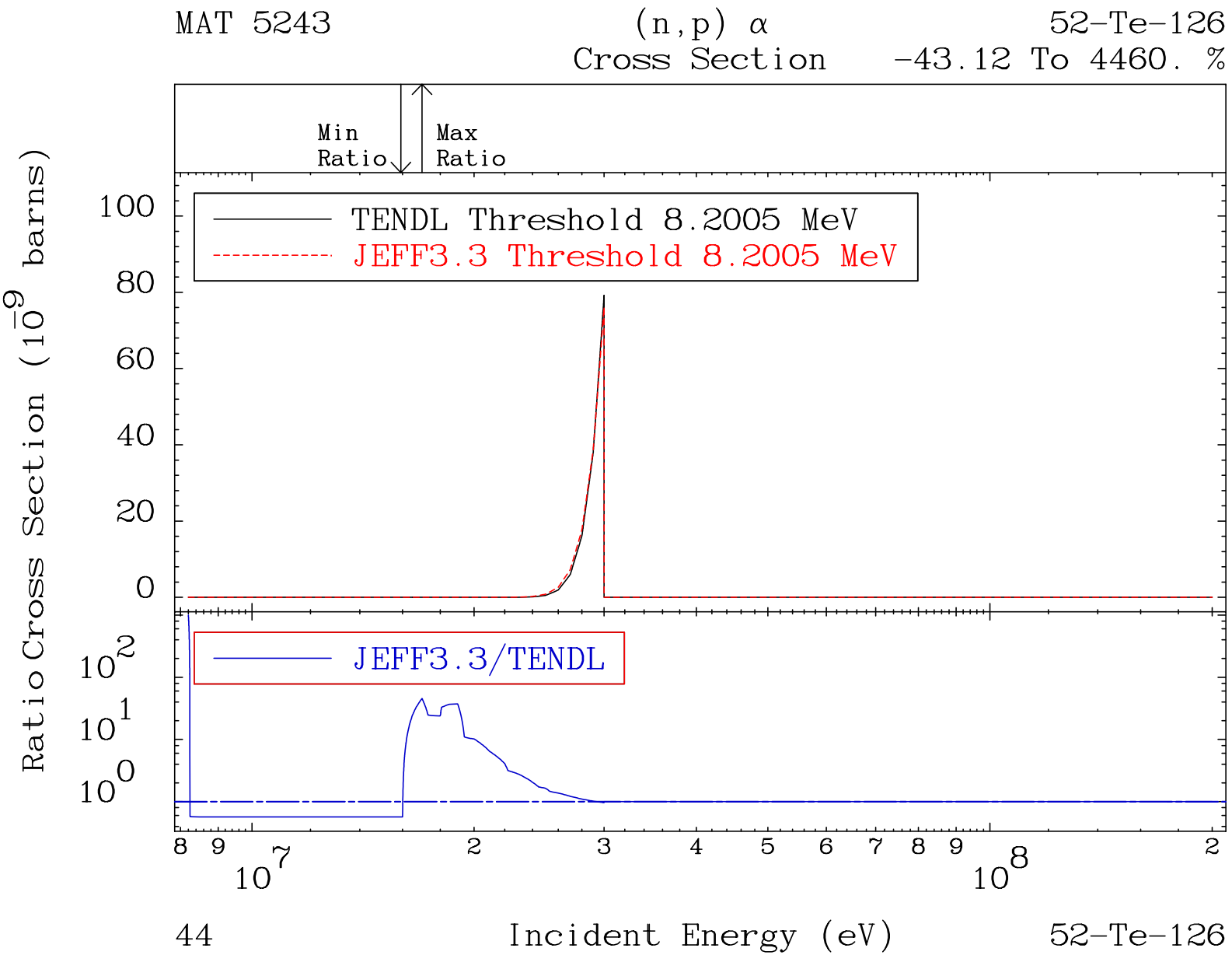

MAT 5243
(n,t)
Cross Section
52-Te-126
-3.043 To 13.93 %
Max Ratio
Min Ratio
TENDL Threshold 9.3983 MeV
JEFF3.3 Threshold 9.3983 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
52-Te-126

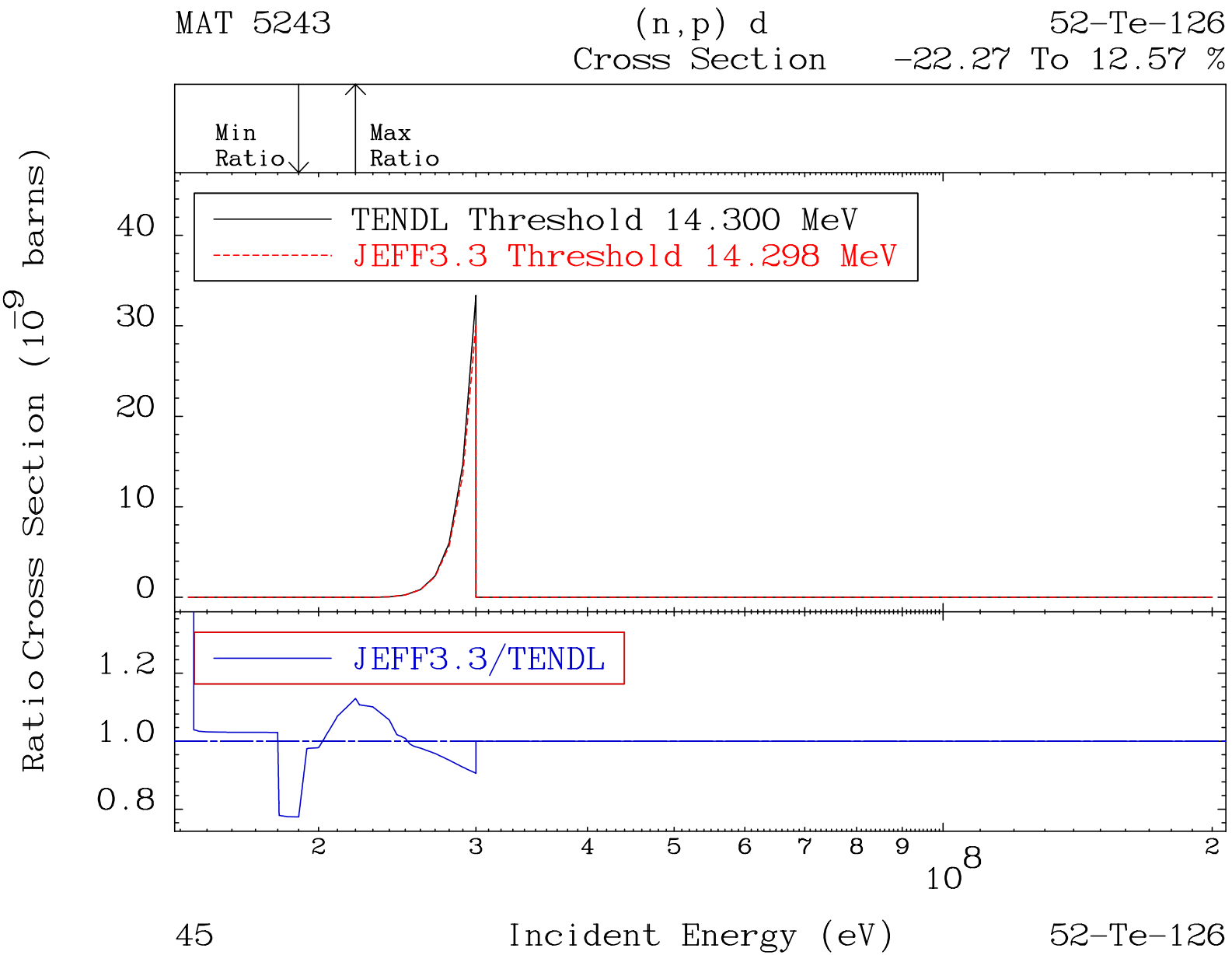

MAT 5243
(n,He-3)
Cross Section
52-Te-126
-2.927 To 7.458 %
Max Ratio
Min Ratio
TENDL Threshold 8.7622 MeV
JEFF3.3 Threshold 8.7606 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
1.10
1.05
1.00
9
10^7
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
52-Te-126

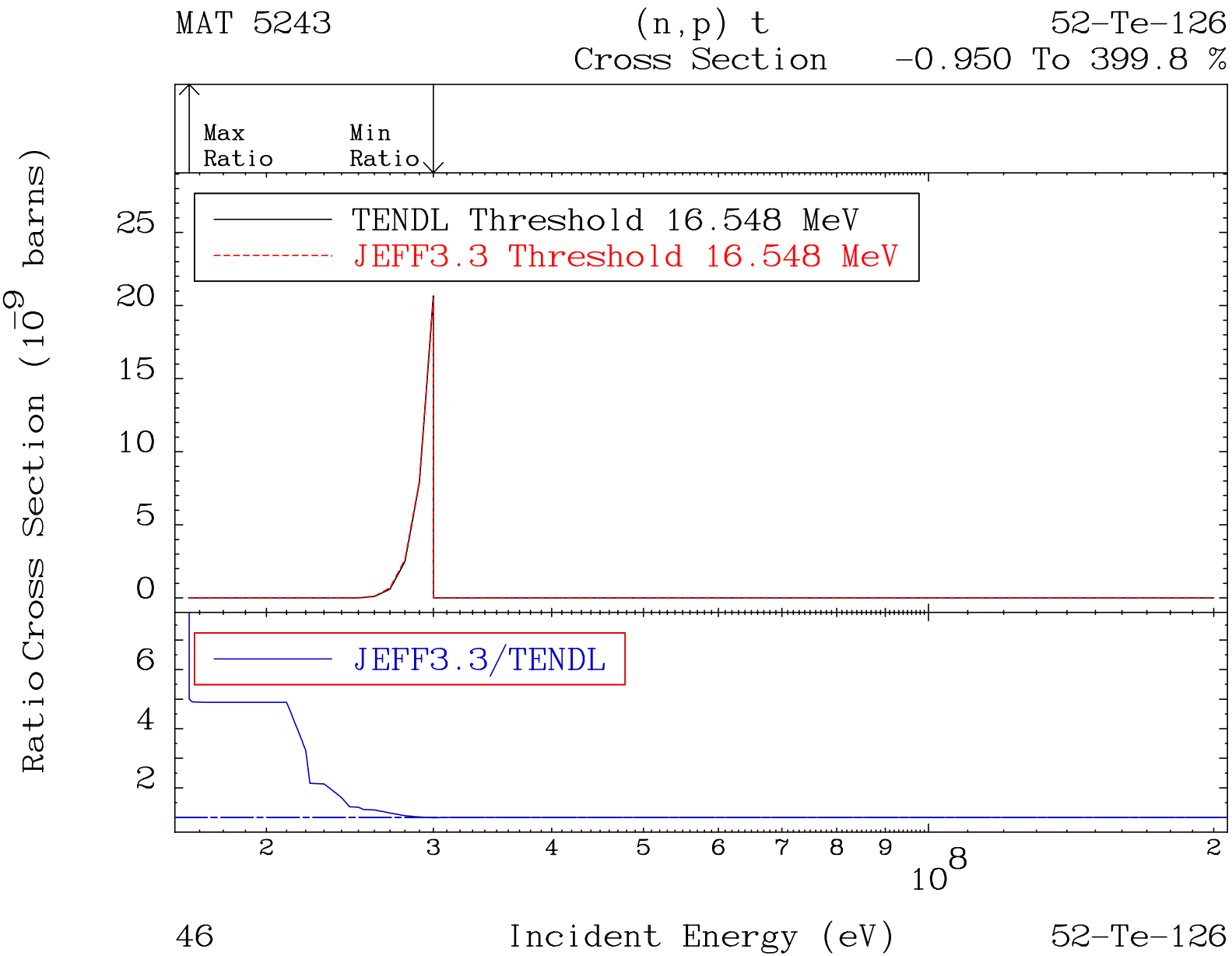

MAT 5243
(n,α)
Cross Section
52-Te-126
-7.963 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
52-Te-126

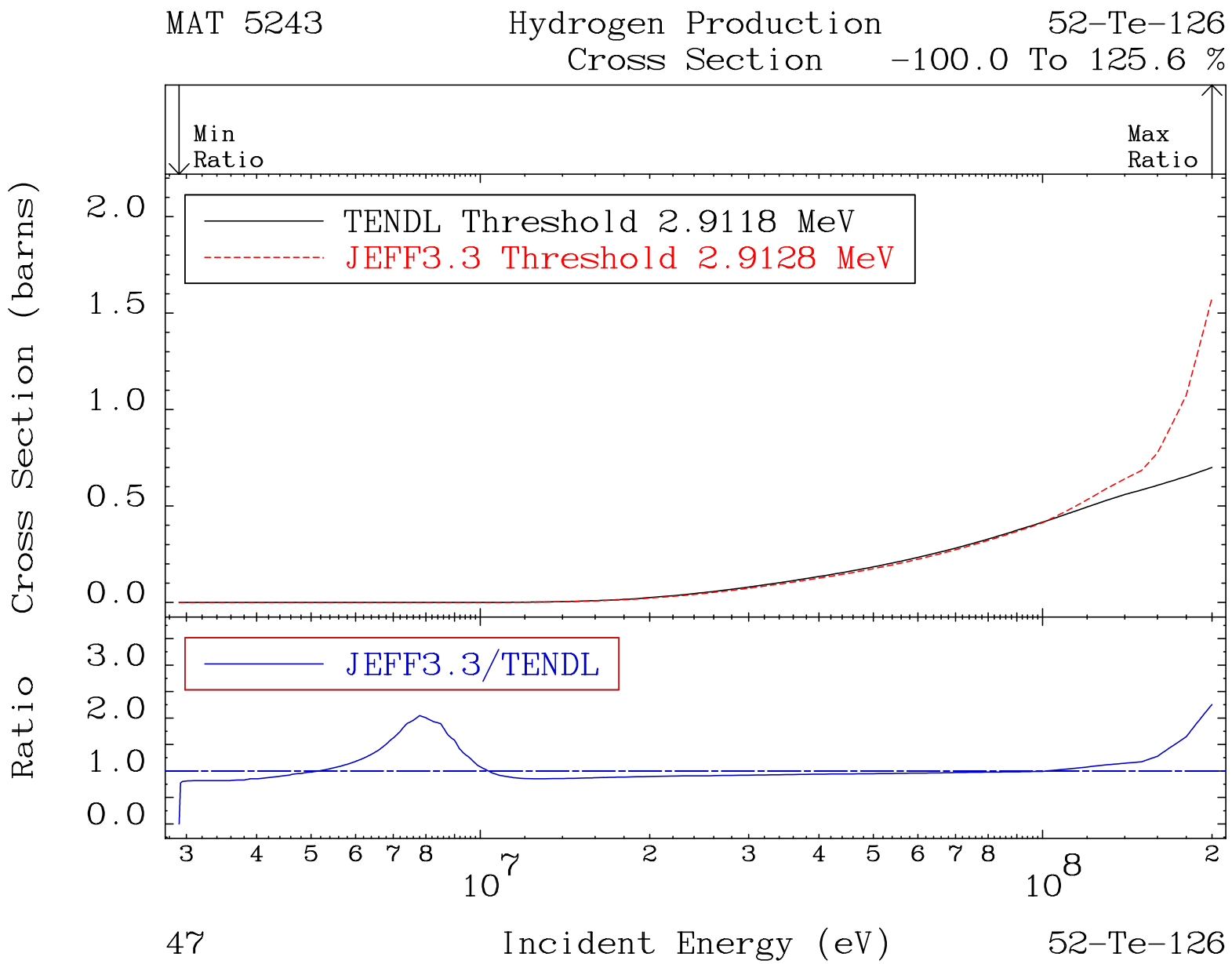

MAT 5243
(n,2α)
52-Te-126
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8887 MeV
JEFF3.3 Threshold 2.8897 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
2.5
2.0
1.5
1.0
0.5
0.0
100
0
3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
42
Incident Energy (eV)
52-Te-126

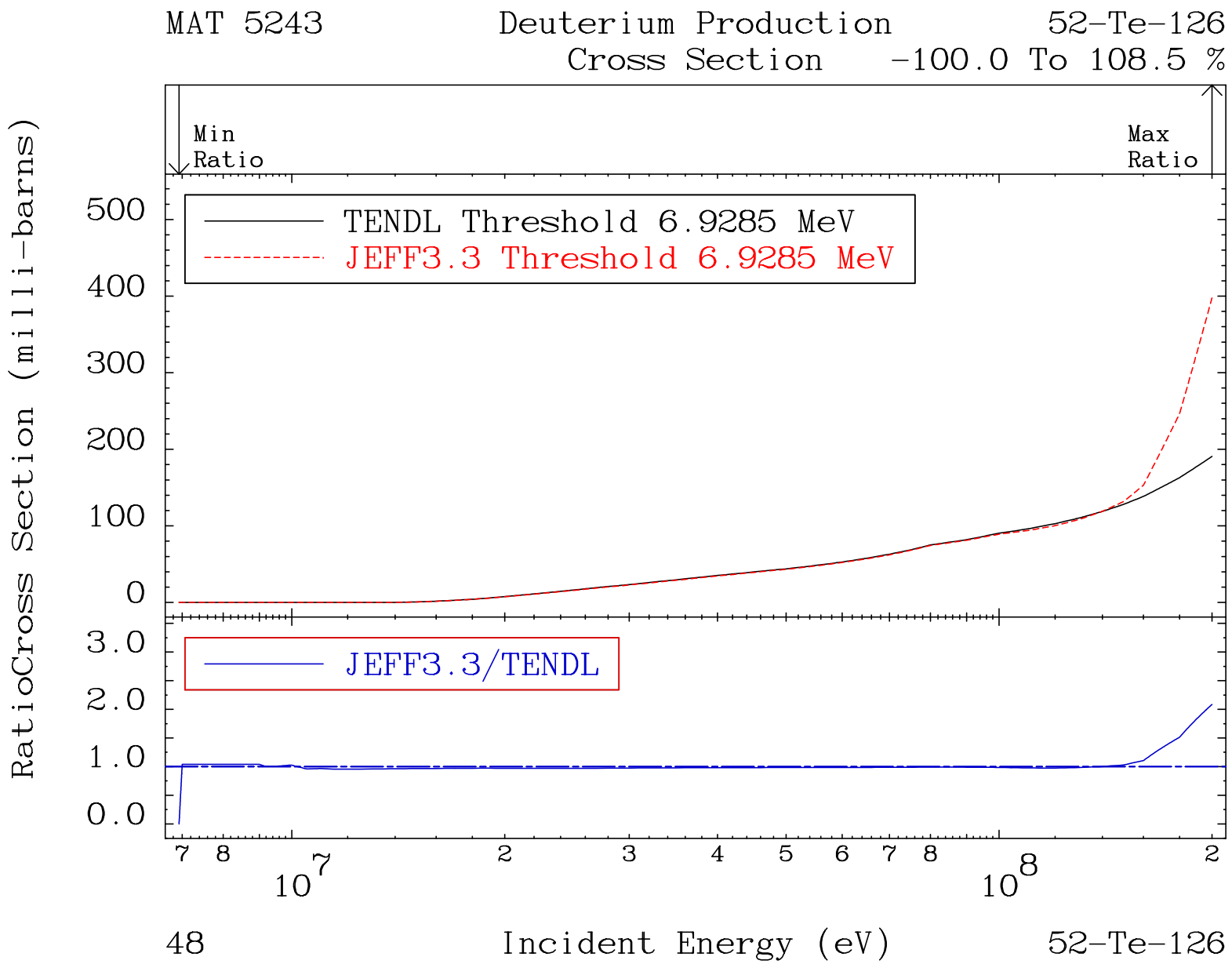

MAT 5243
(n,2p)
52-Te-126
Cross Section
-9.946 To 20.50 %
Max Ratio
Min Ratio
TENDL Threshold 10.763 MeV
JEFF3.3 Threshold 10.761 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
4
3
2
1
0
1.2
1.0
2
3
4
5
6
7
8
9
2
10^8
43
Incident Energy (eV)
52-Te-126

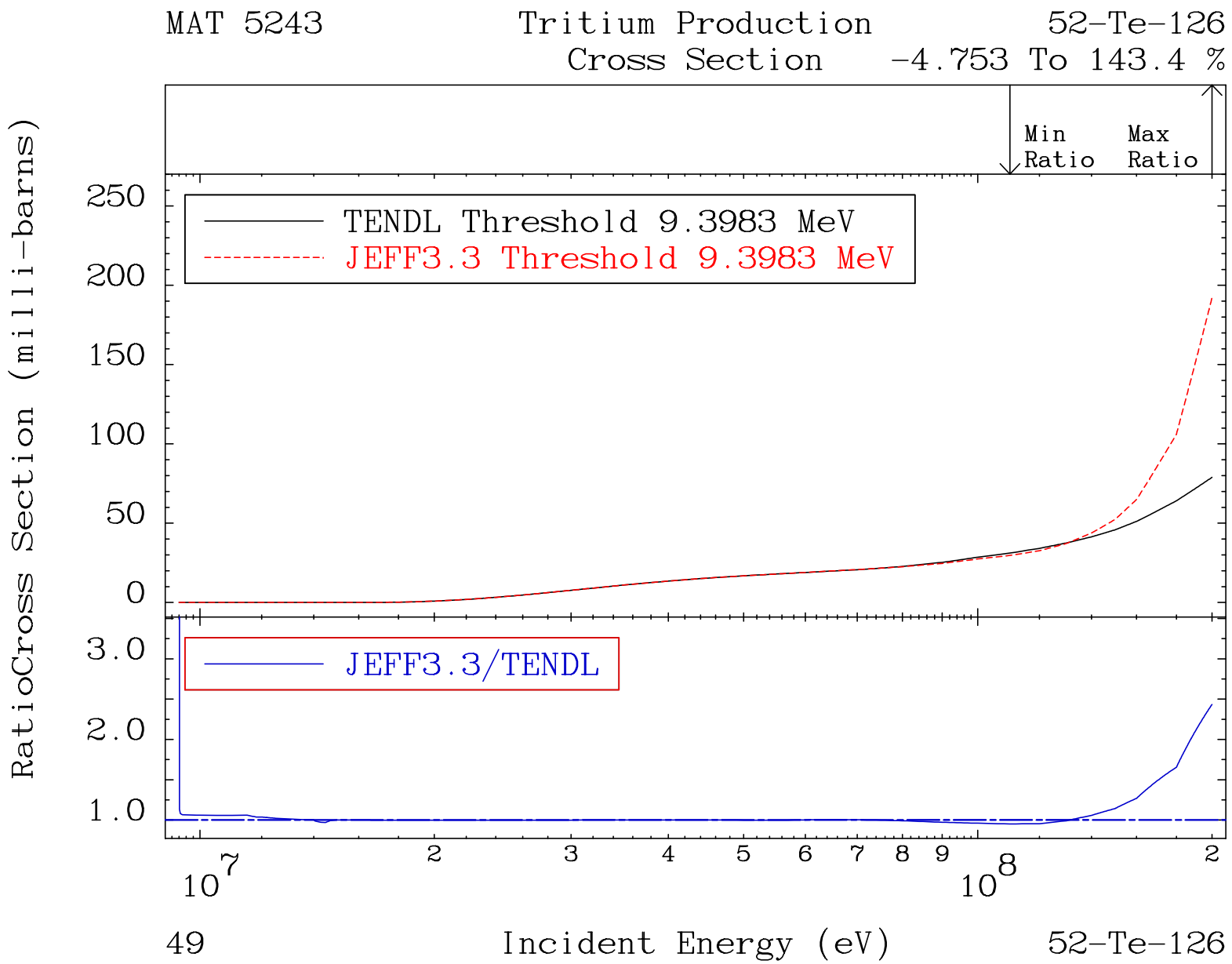

MAT 5243
(n,p) α
52-Te-126
Cross Section
-43.12 To 4460. %
Min Ratio
Max Ratio
TENDL Threshold 8.2005 MeV
JEFF3.3 Threshold 8.2005 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
100
80
60
40
20
0
10^2
10^1
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
52-Te-126

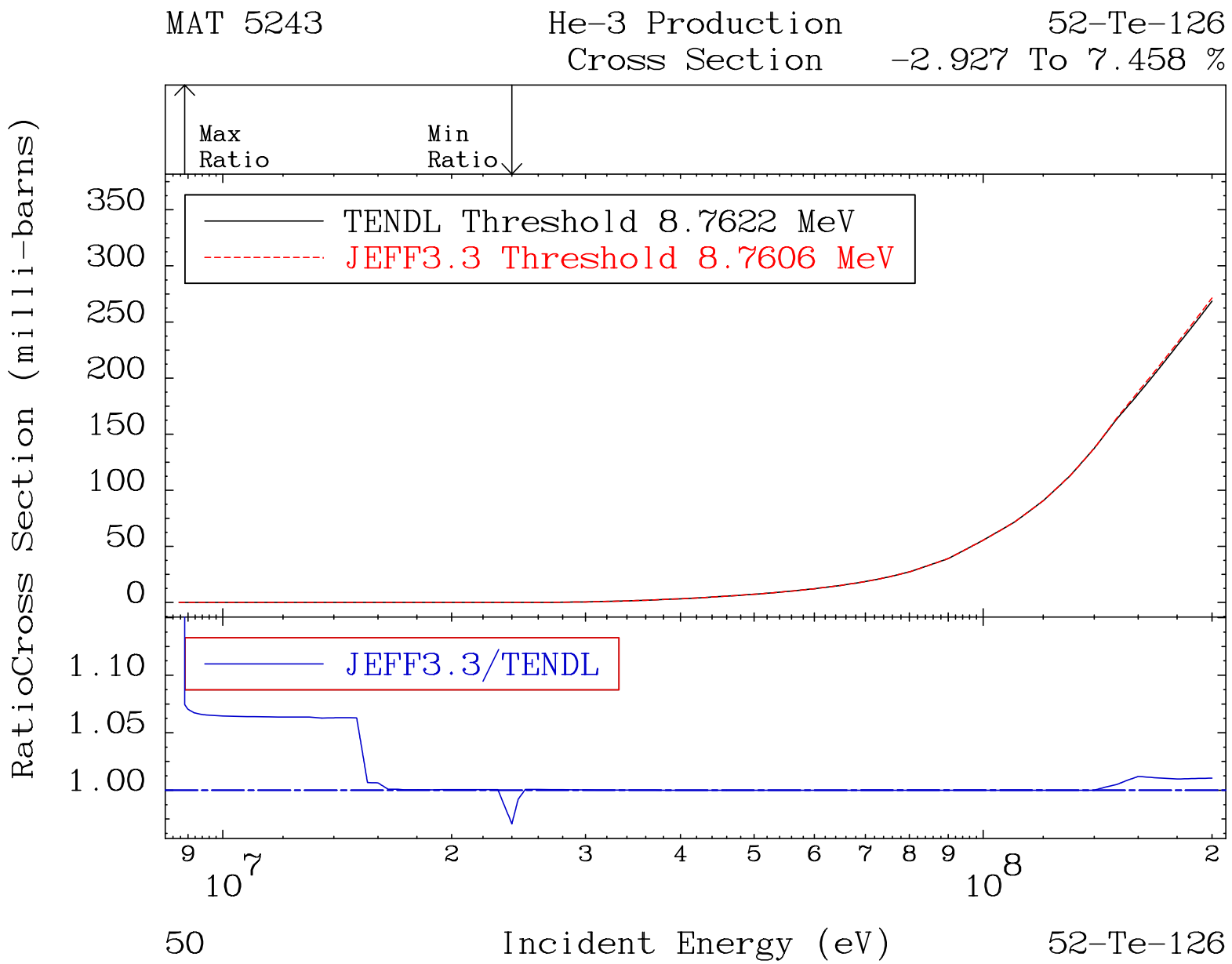

MAT 5243
(n,p) d
Cross Section
52-Te-126
-22.27 To 12.57 %
Min Ratio
Max Ratio
TENDL Threshold 14.300 MeV
JEFF3.3 Threshold 14.298 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
40
30
20
10
0
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
52-Te-126

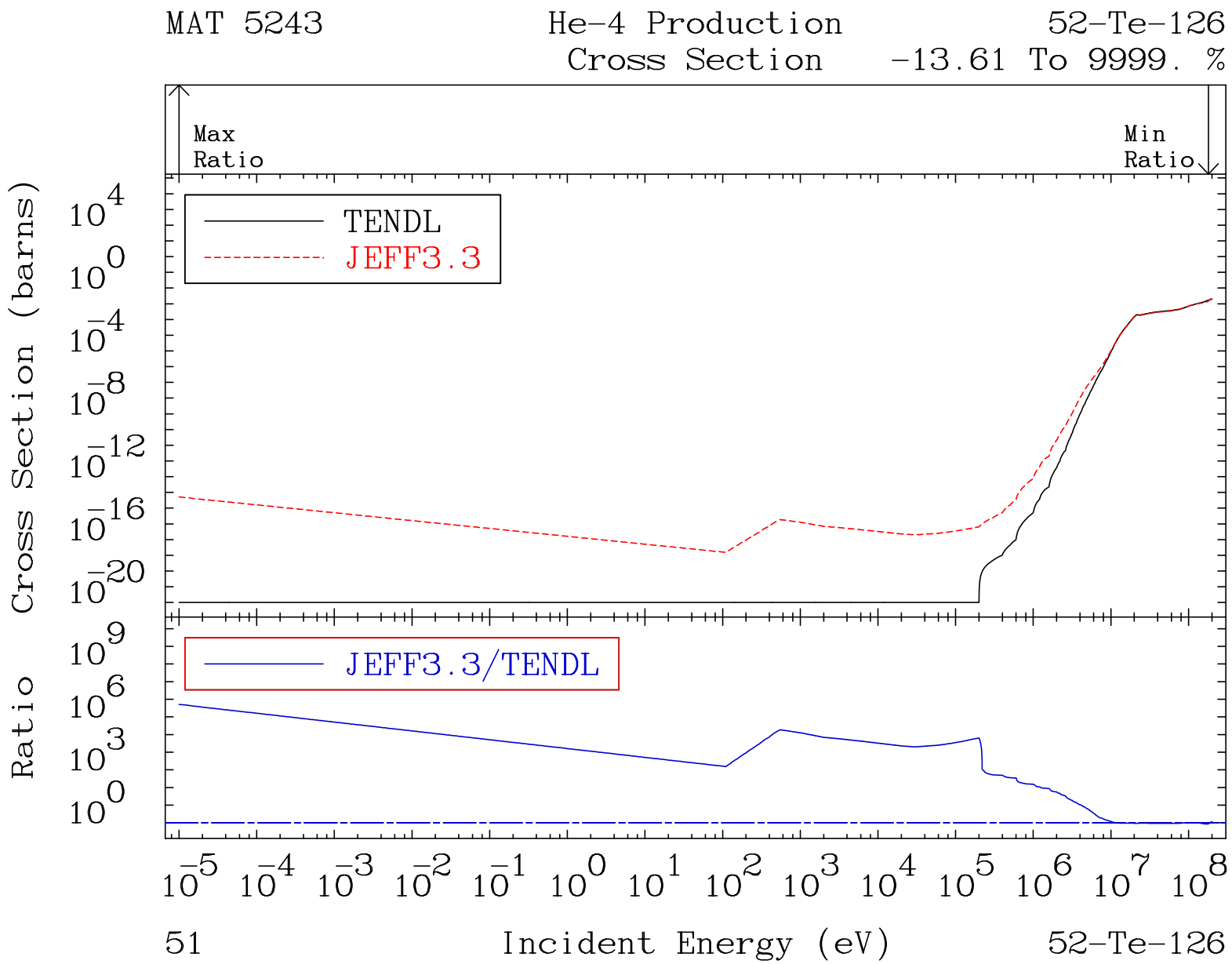

MAT 5243
(n,p) t
Cross Section
52-Te-126
-0.950 To 399.8 %
Max Ratio
Min Ratio
TENDL Threshold 16.548 MeV
JEFF3.3 Threshold 16.548 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
25
20
15
10
5
0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
52-Te-126

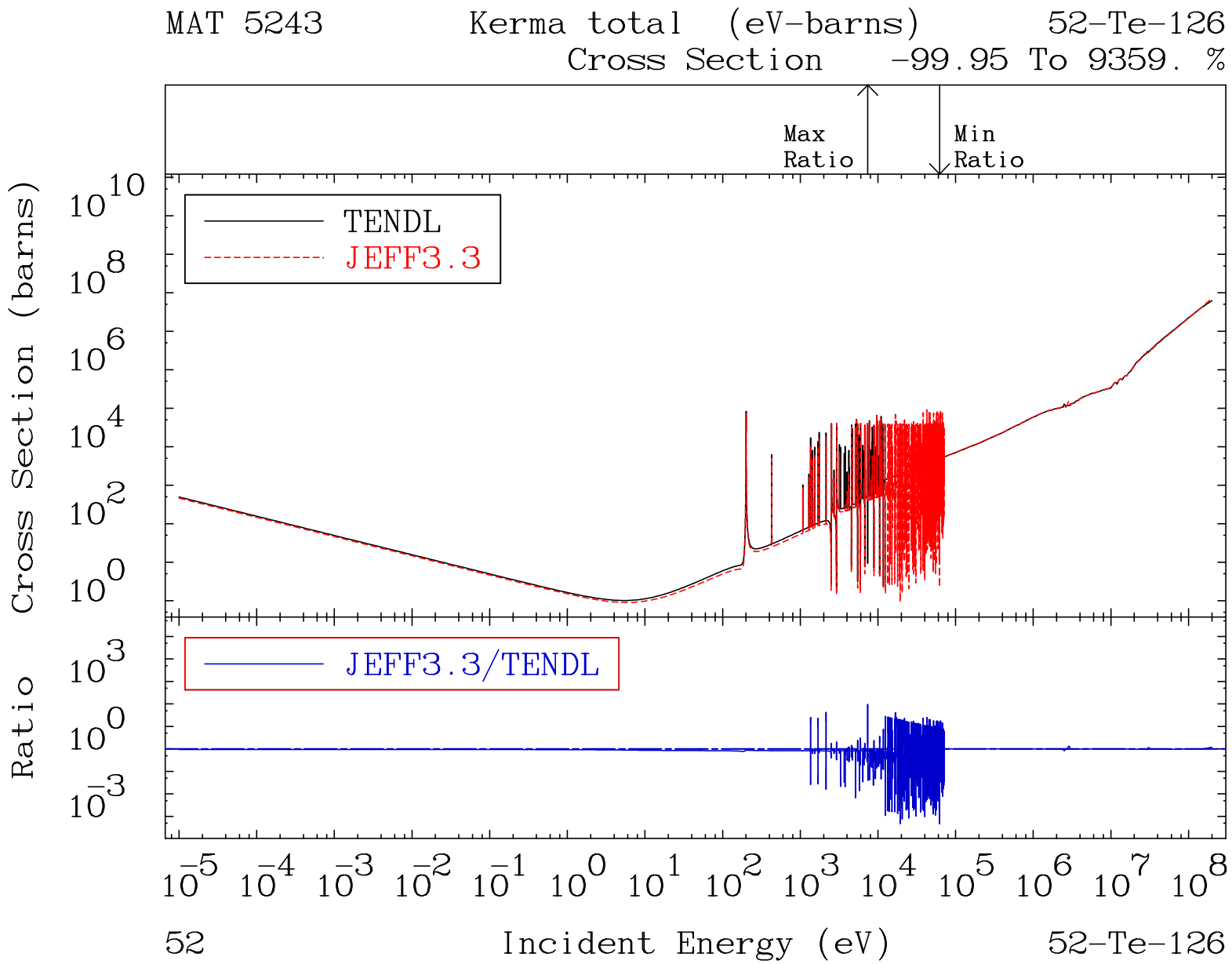

MAT 5243
Hydrogen Production
52-Te-126
Cross Section
-100.0 To 125.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.9118 MeV
JEFF3.3 Threshold 2.9128 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
52-Te-126

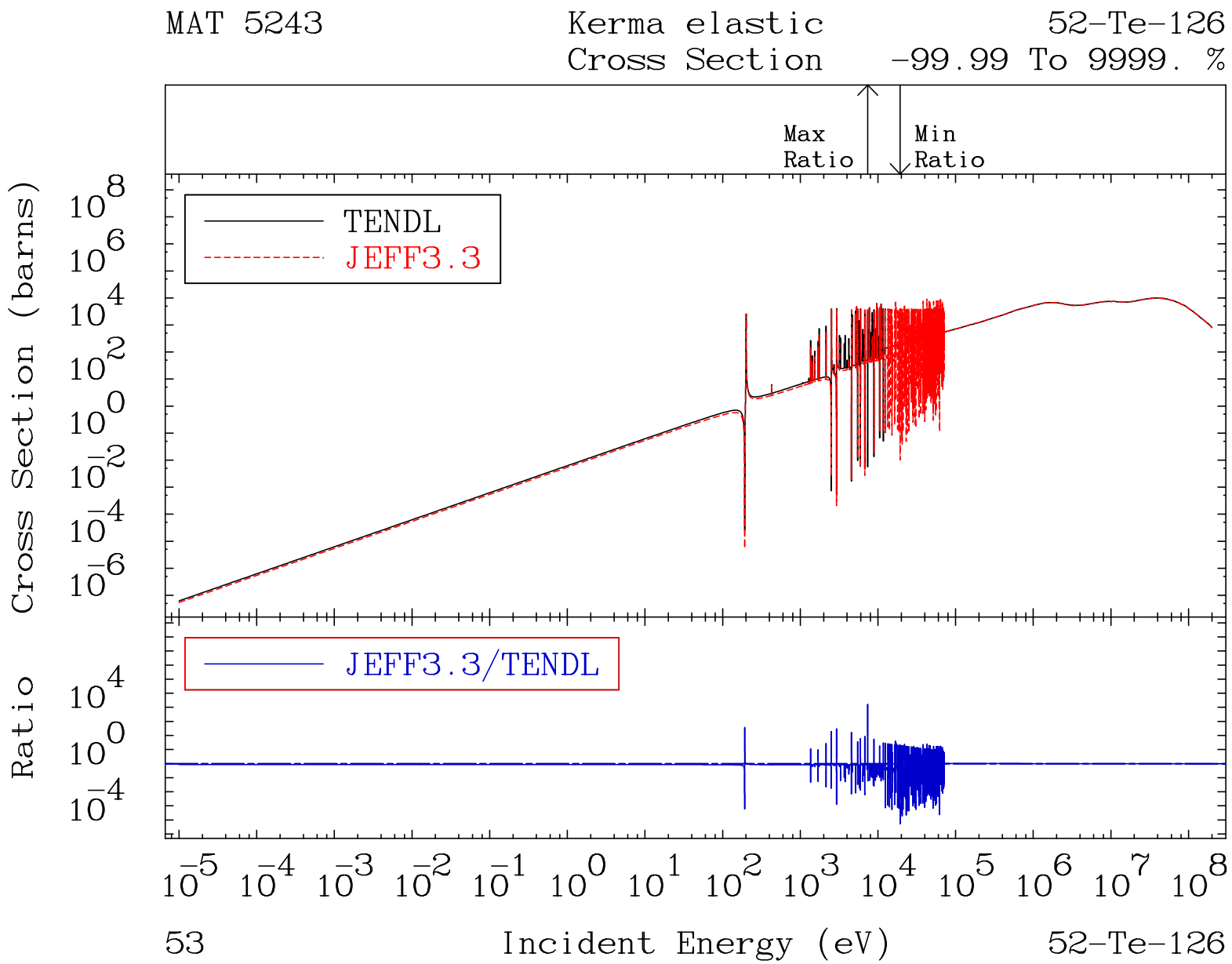

MAT 5243
Deuterium Production
52-Te-126
Cross Section
-100.0 To 108.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 6.9285 MeV
JEFF3.3 Threshold 6.9285 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
52-Te-126

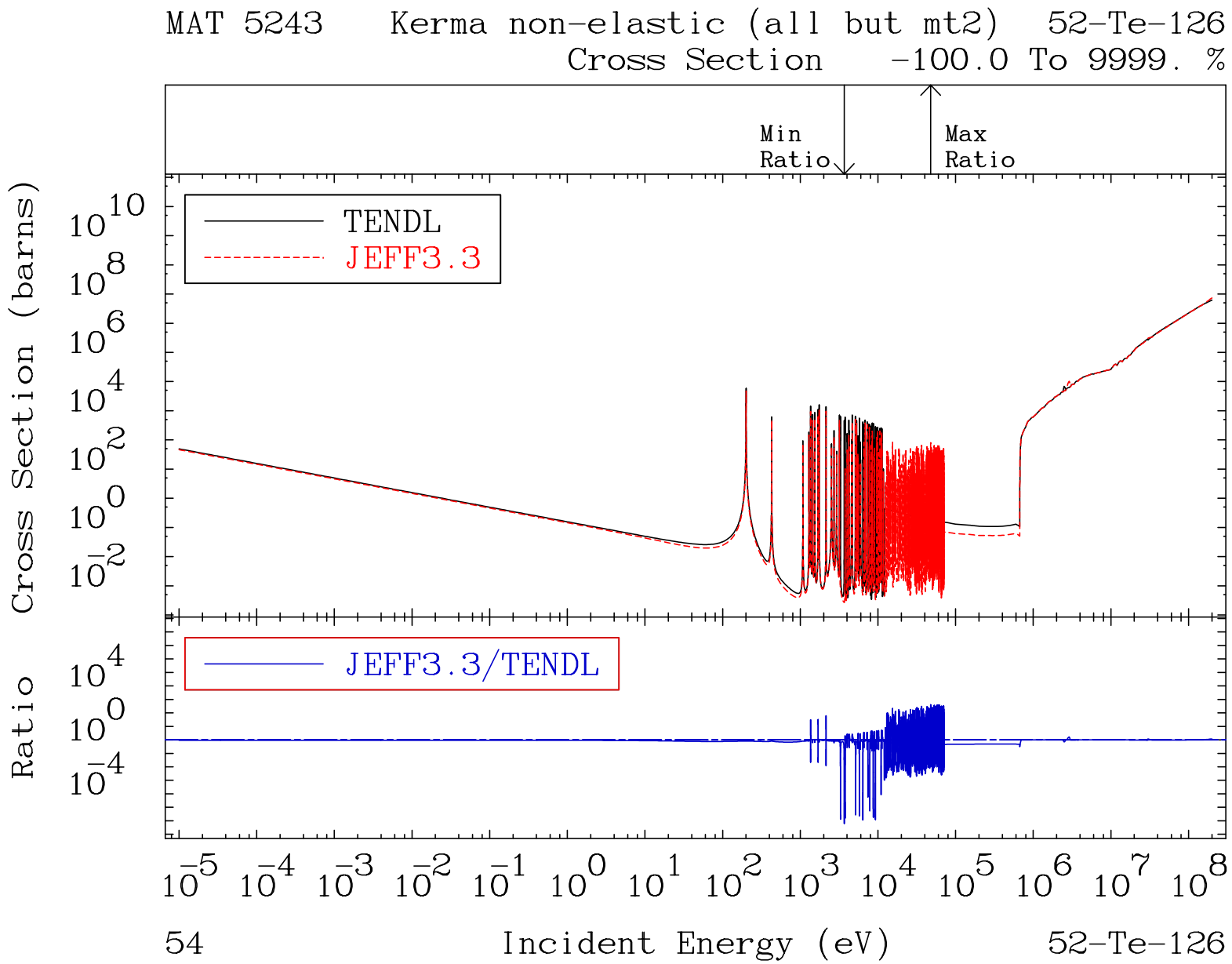

MAT 5243
Tritium Production
Cross Section
52-Te-126
-4.753 To 143.4 %
Min Ratio
Max Ratio
TENDL Threshold 9.3983 MeV
JEFF3.3 Threshold 9.3983 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
10^7
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
52-Te-126

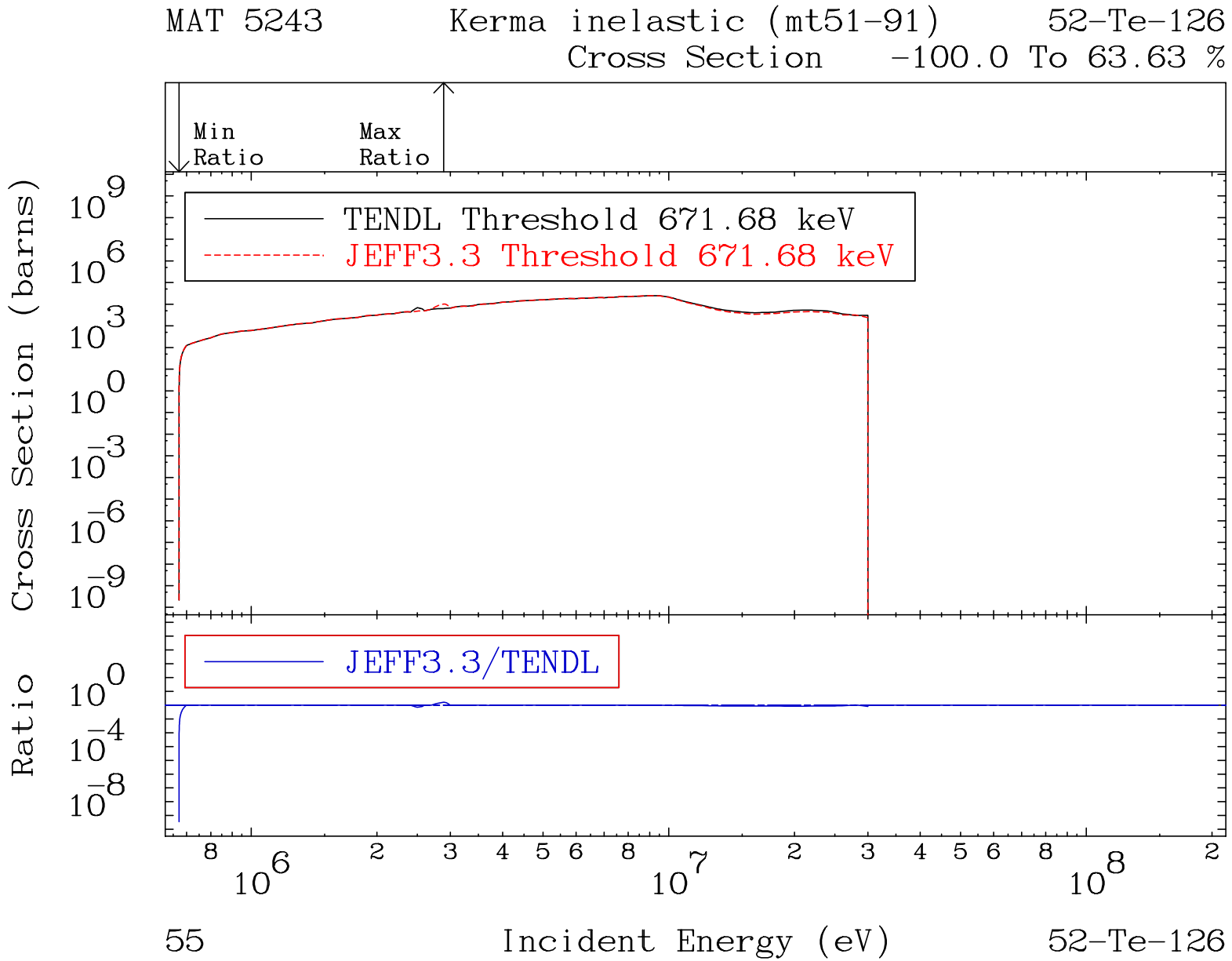

MAT 5243
He-3 Production
Cross Section
52-Te-126
-2.927 To 7.458 %
Max Ratio
Min Ratio
TENDL Threshold 8.7622 MeV
JEFF3.3 Threshold 8.7606 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.10
1.05
1.00
9
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
52-Te-126

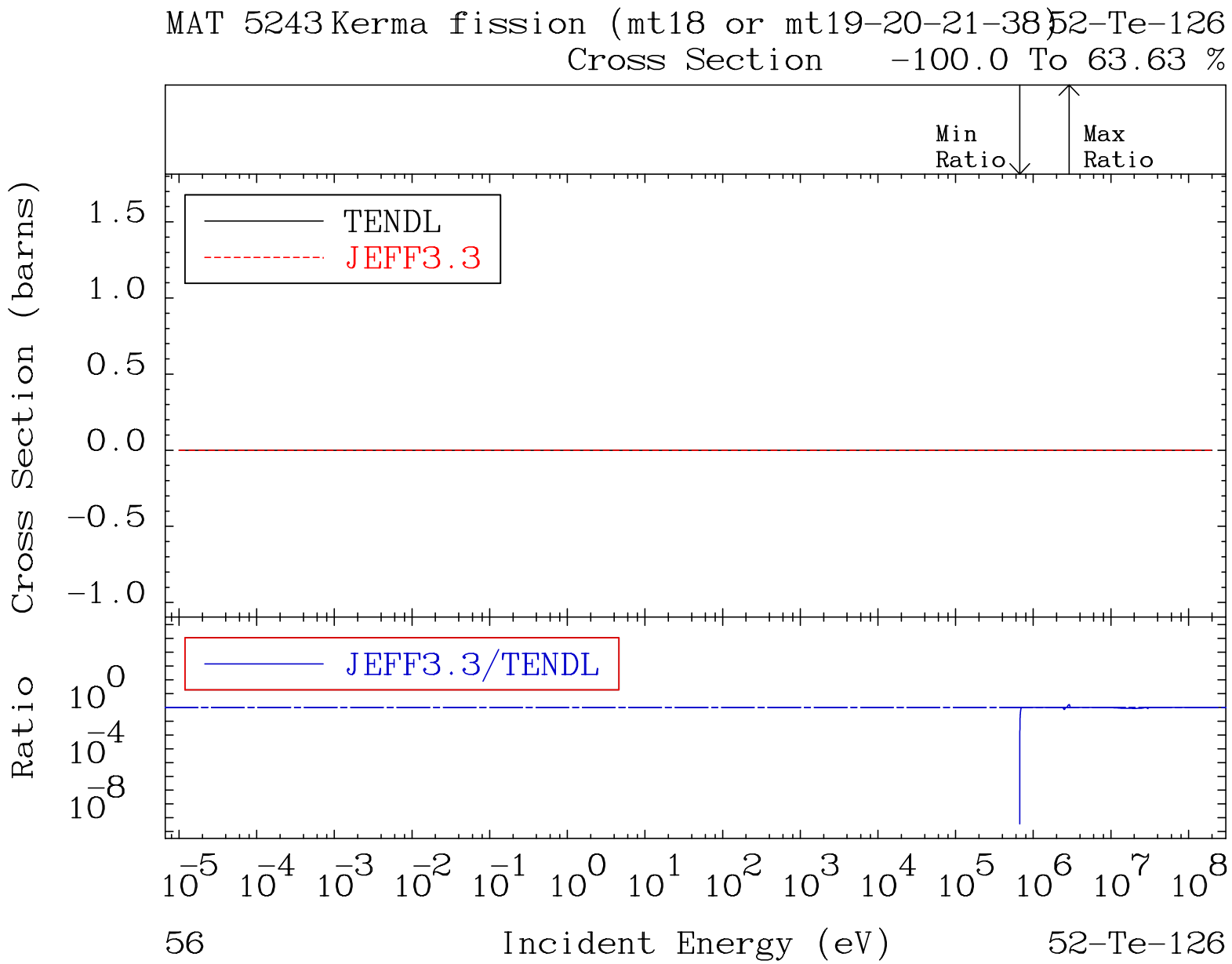

MAT 5243
He-4 Production
Cross Section
52-Te-126
-13.61 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
52-Te-126

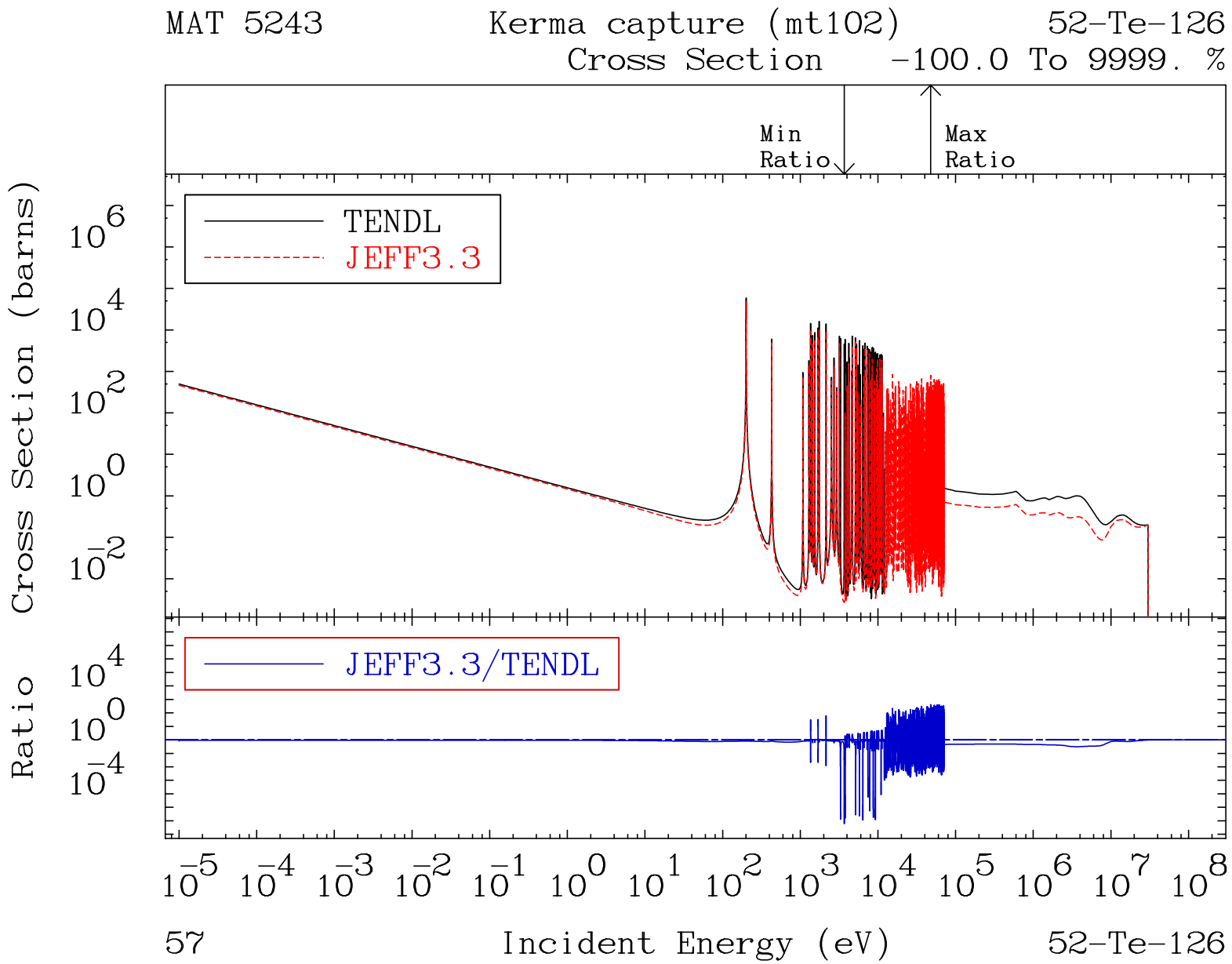

MAT 5243
Kerma total (eV-barns)
52-Te-126
Cross Section -99.95 To 9359. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
52-Te-126

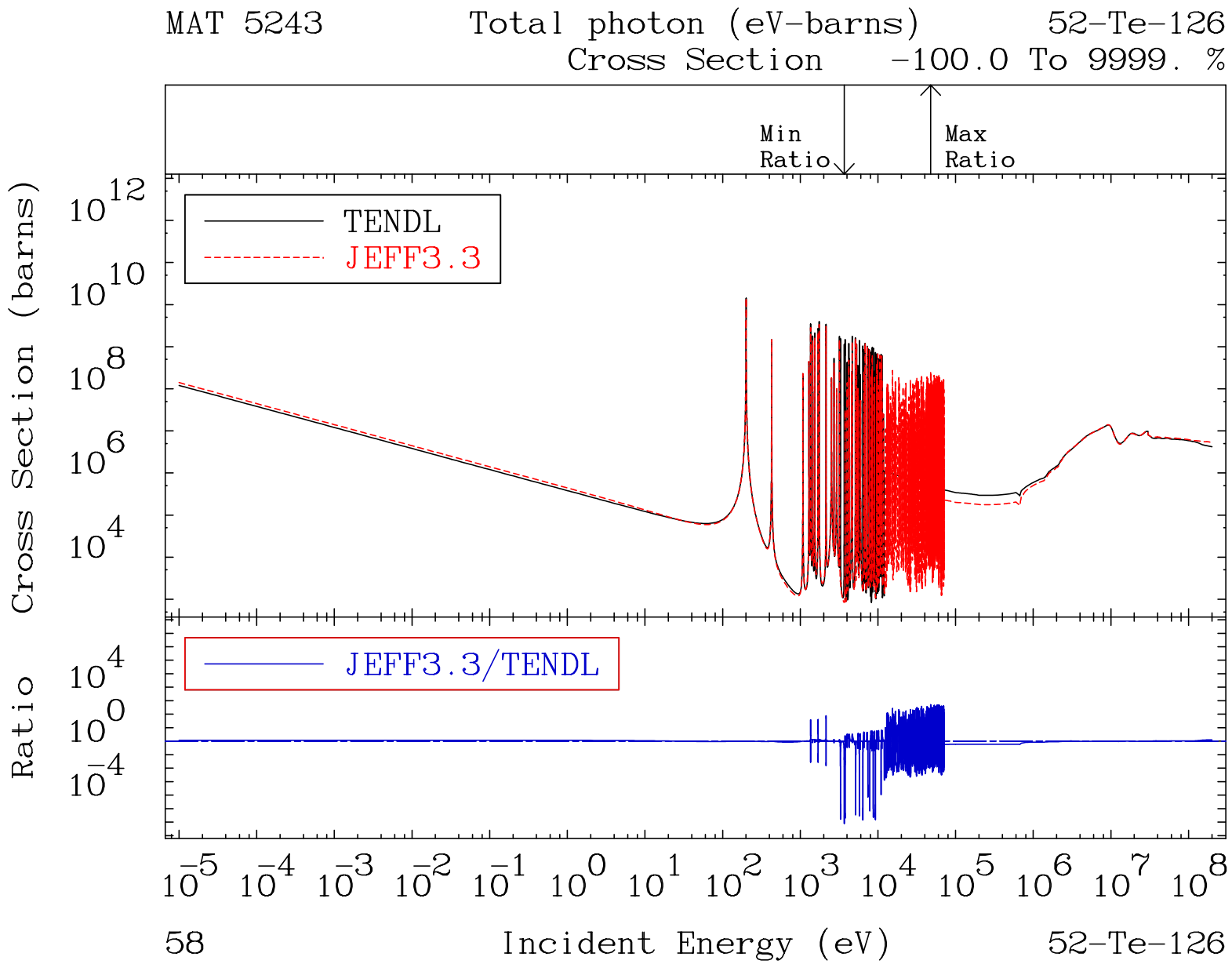

MAT 5243
Kerma elastic
Cross Section
52-Te-126
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
52-Te-126

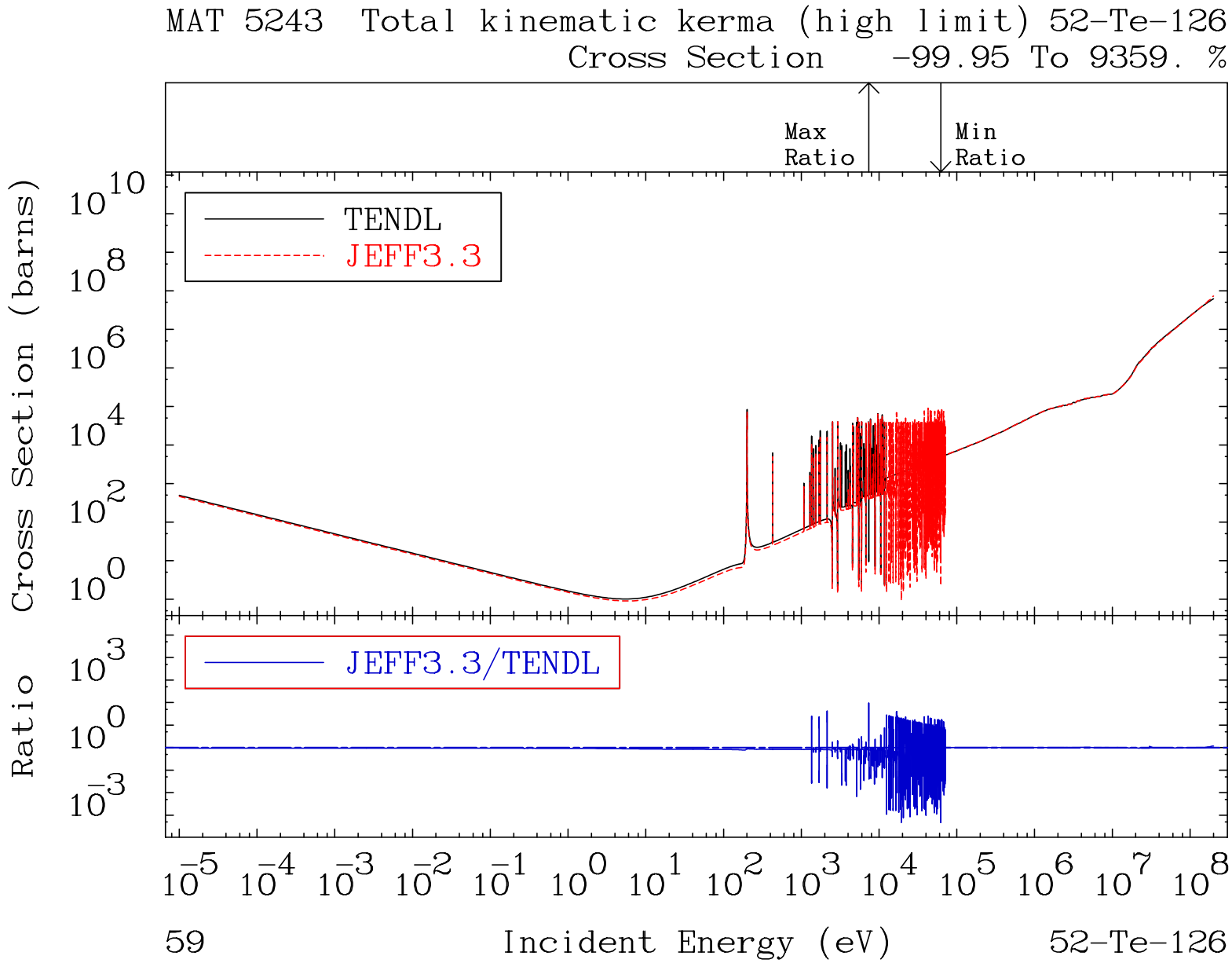

MAT 5243 Kerma non-elastic (all but mt2) 52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
52-Te-126

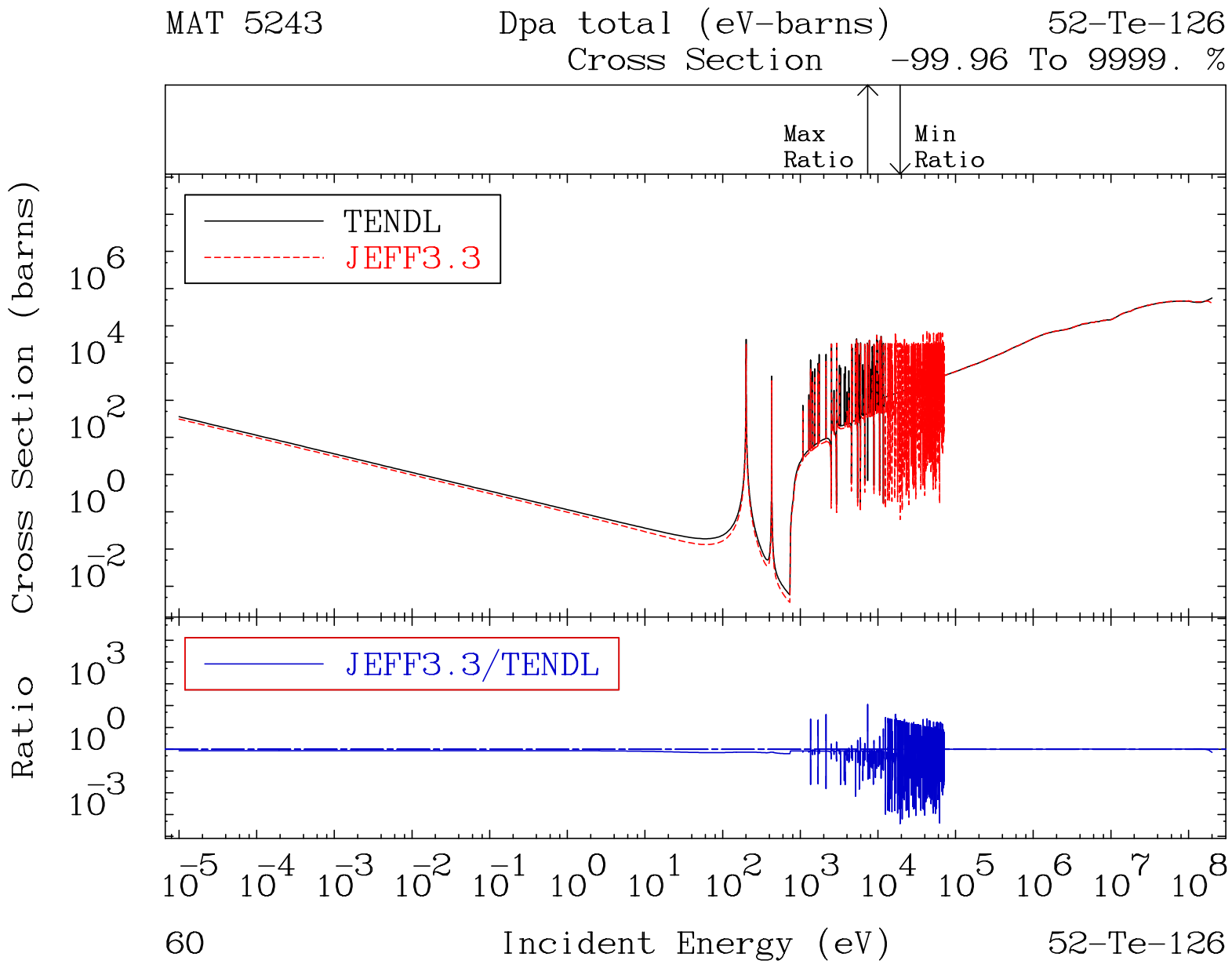

MAT 5243
Kerma inelastic (mt51-91)
52-Te-126
Cross Section -100.0 To 63.63 %
Min Ratio
Max Ratio
TENDL Threshold 671.68 keV
JEFF3.3 Threshold 671.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
52-Te-126

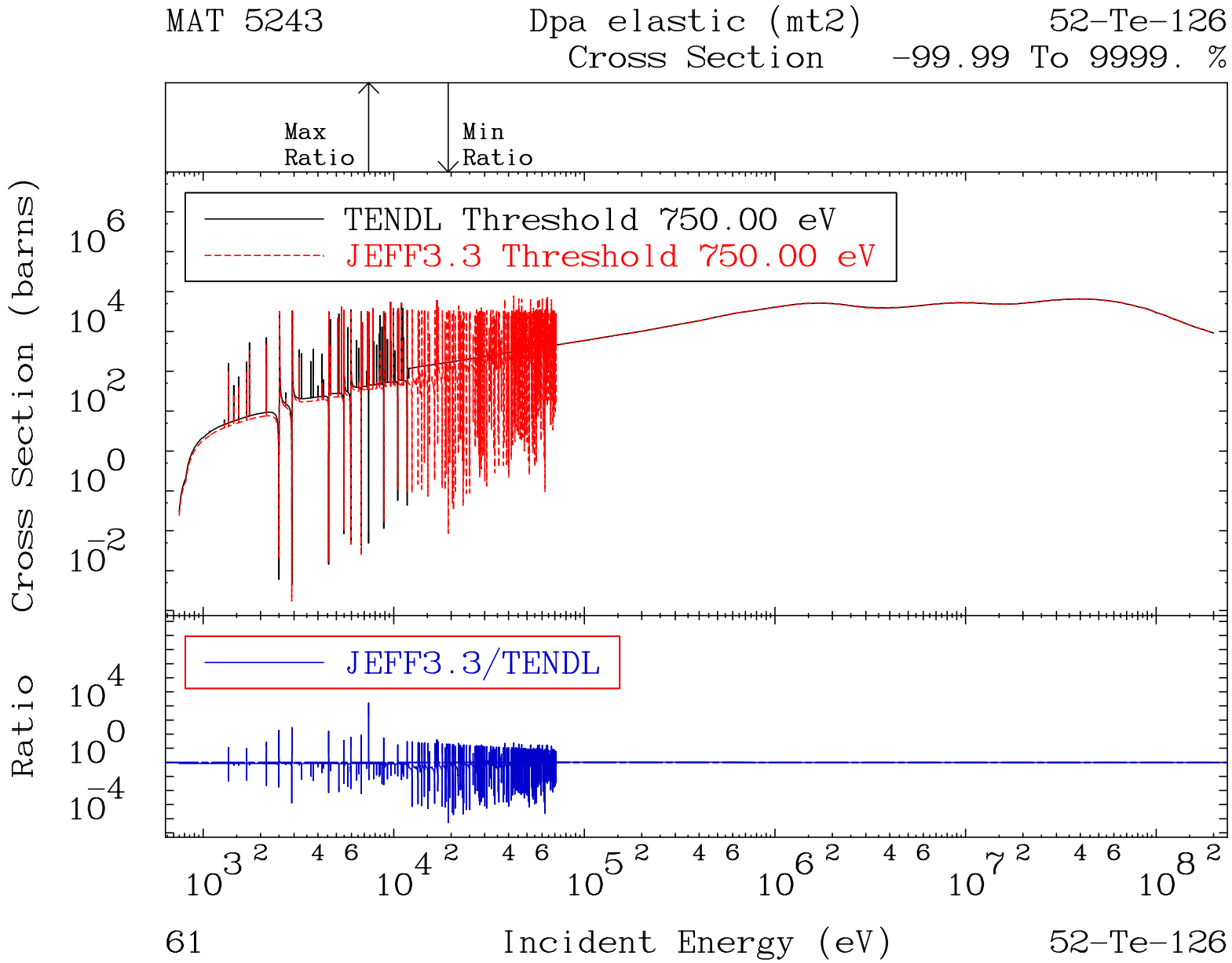

MAT 5243 Kerma fission (mt18 or mt19-20-21-38) 52-Te-126
Cross Section -100.0 To 63.63 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
52-Te-126

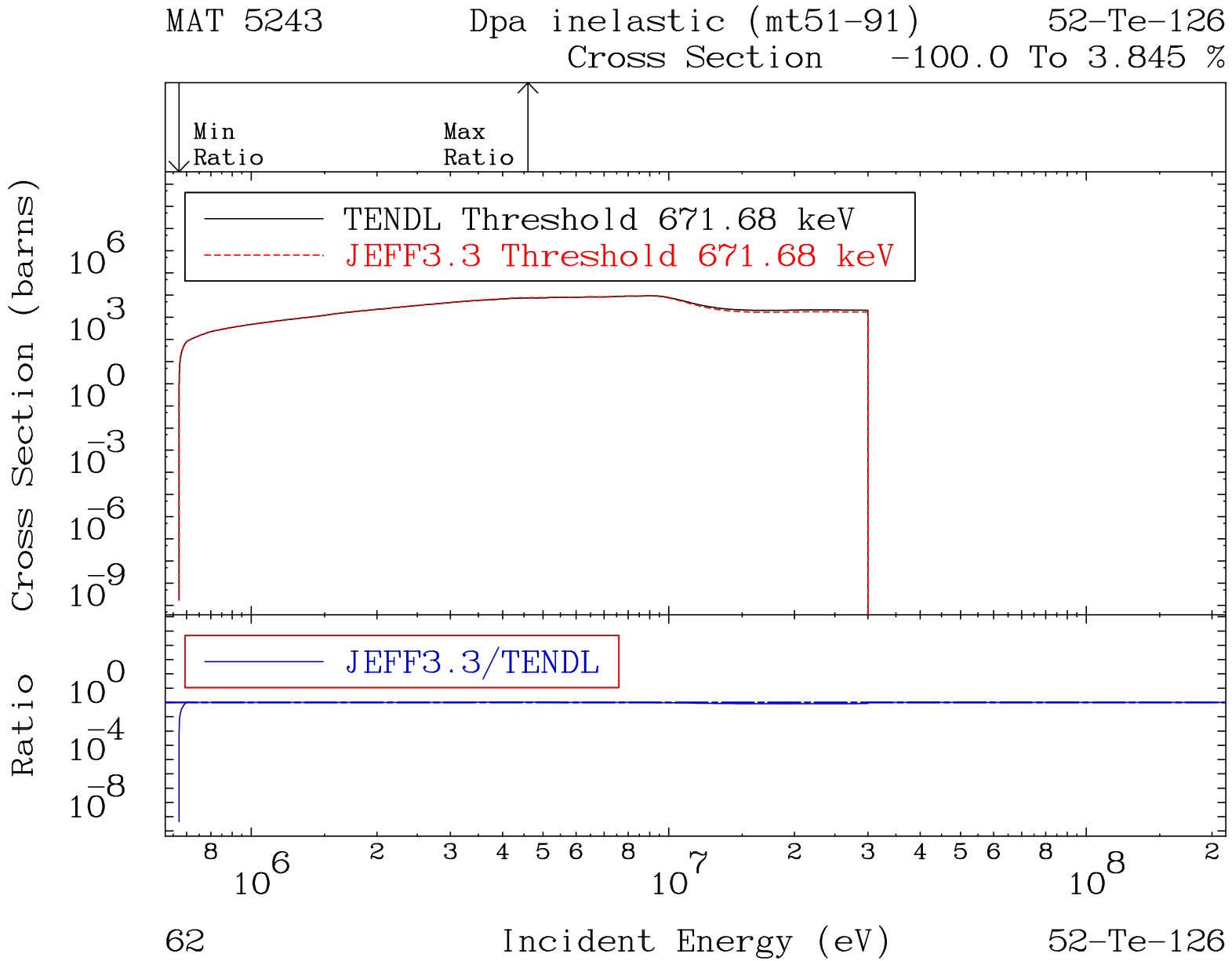

MAT 5243
Kerma capture (mt102)
52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
52-Te-126

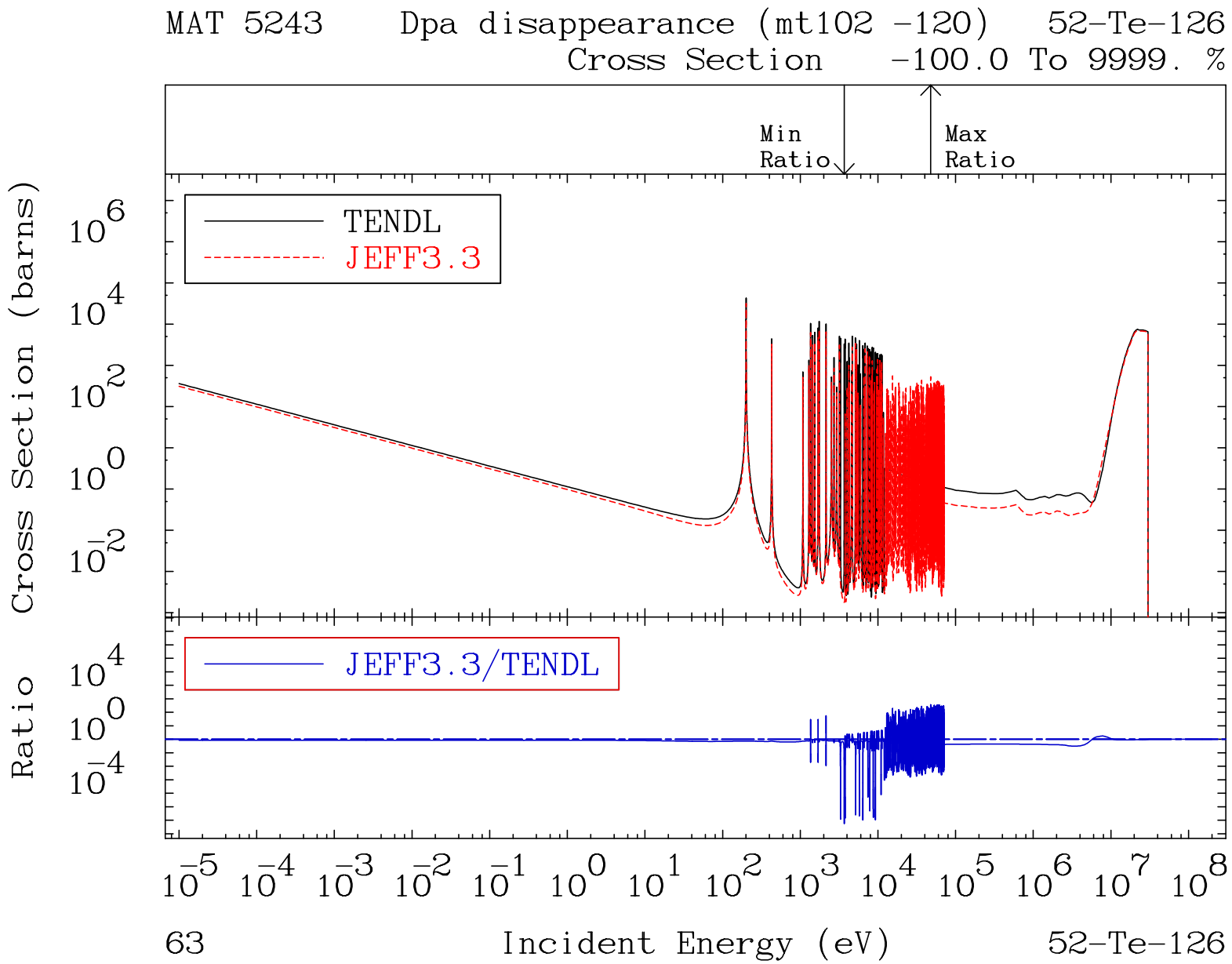

MAT 5243
Total photon (eV-barns)
52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
52-Te-126

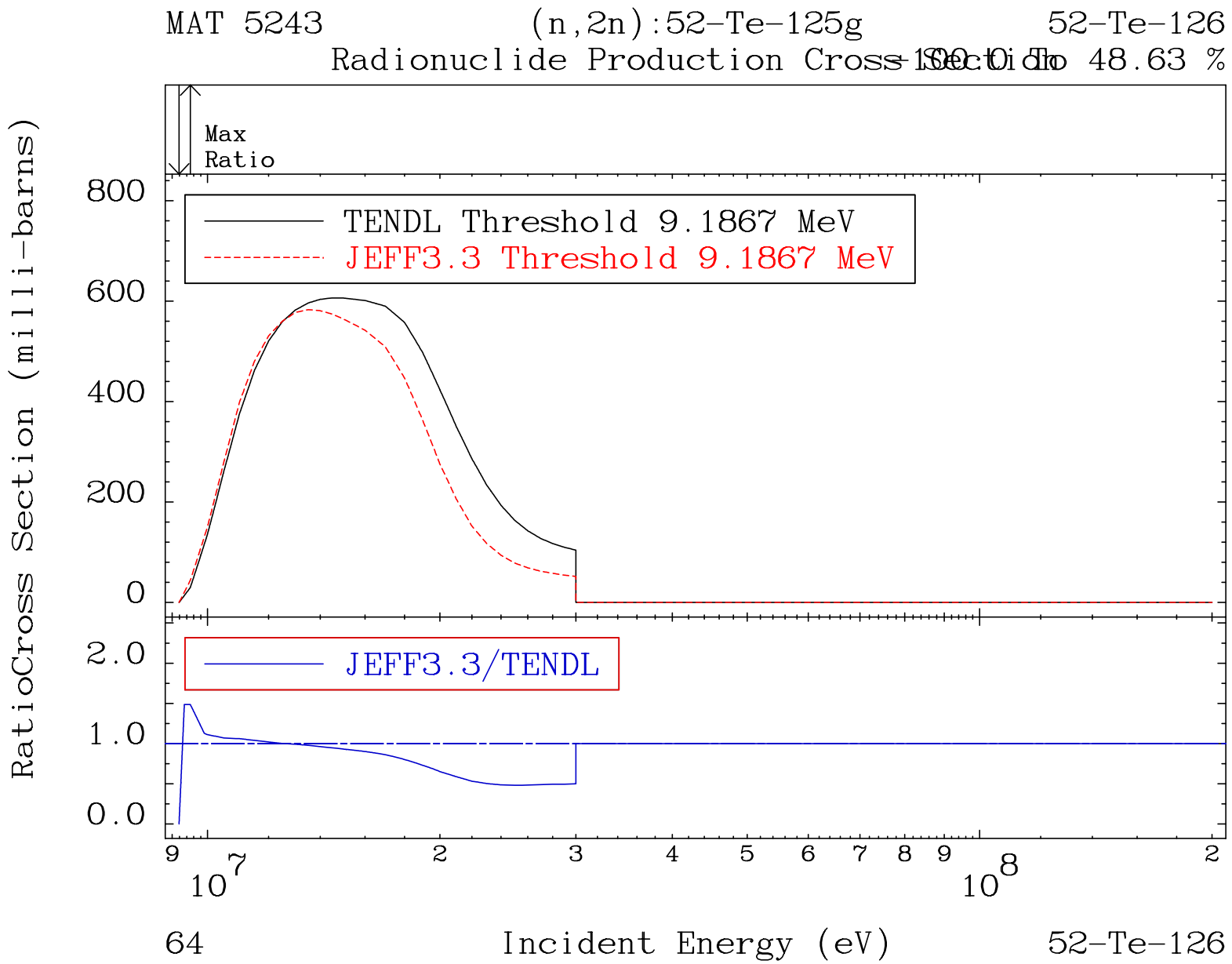

MAT 5243 Total kinematic kerma (high limit) 52-Te-126
Cross Section -99.95 To 9359. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
52-Te-126

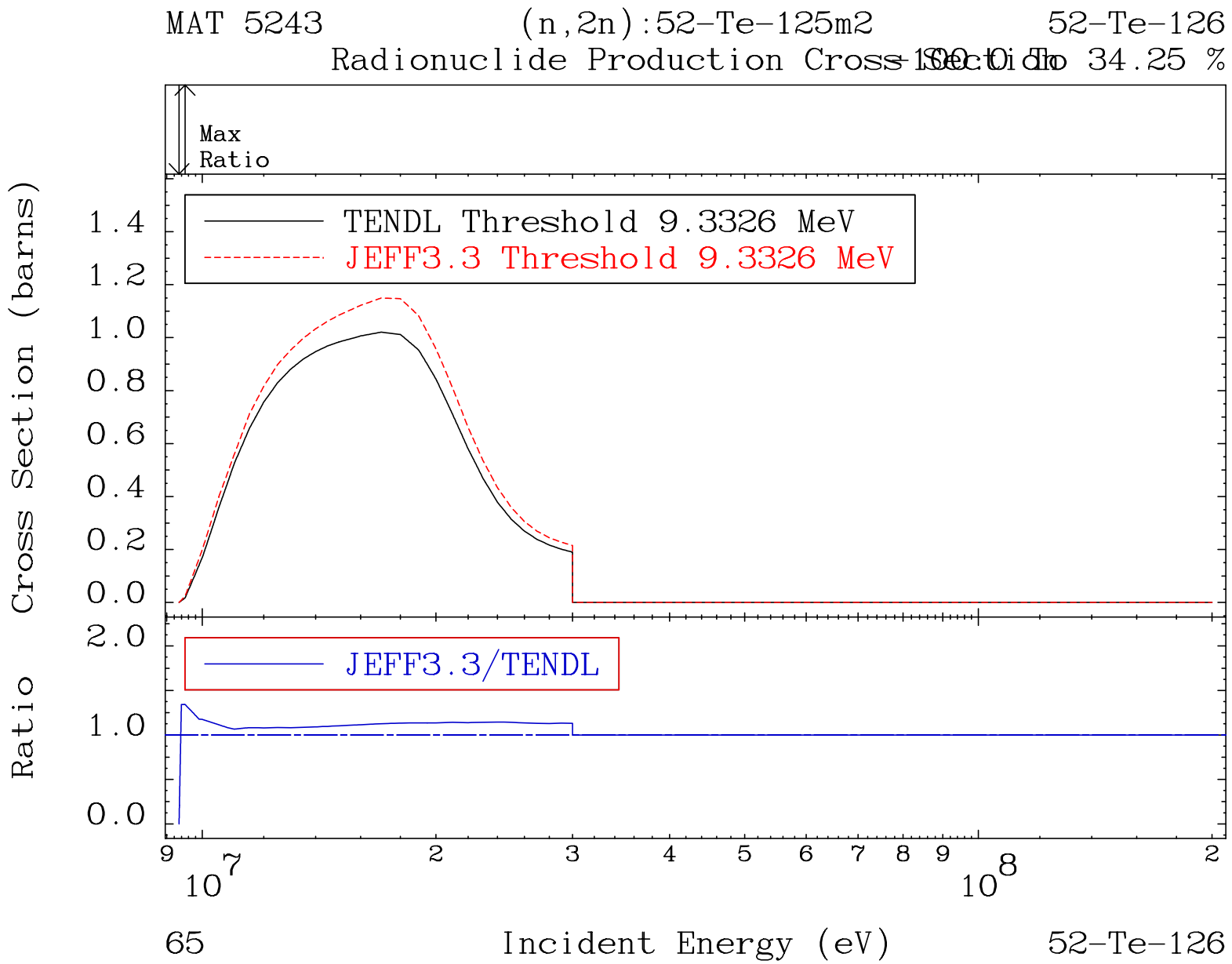

MAT 5243
Dpa total (eV-barns)
52-Te-126
Cross Section
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
52-Te-126

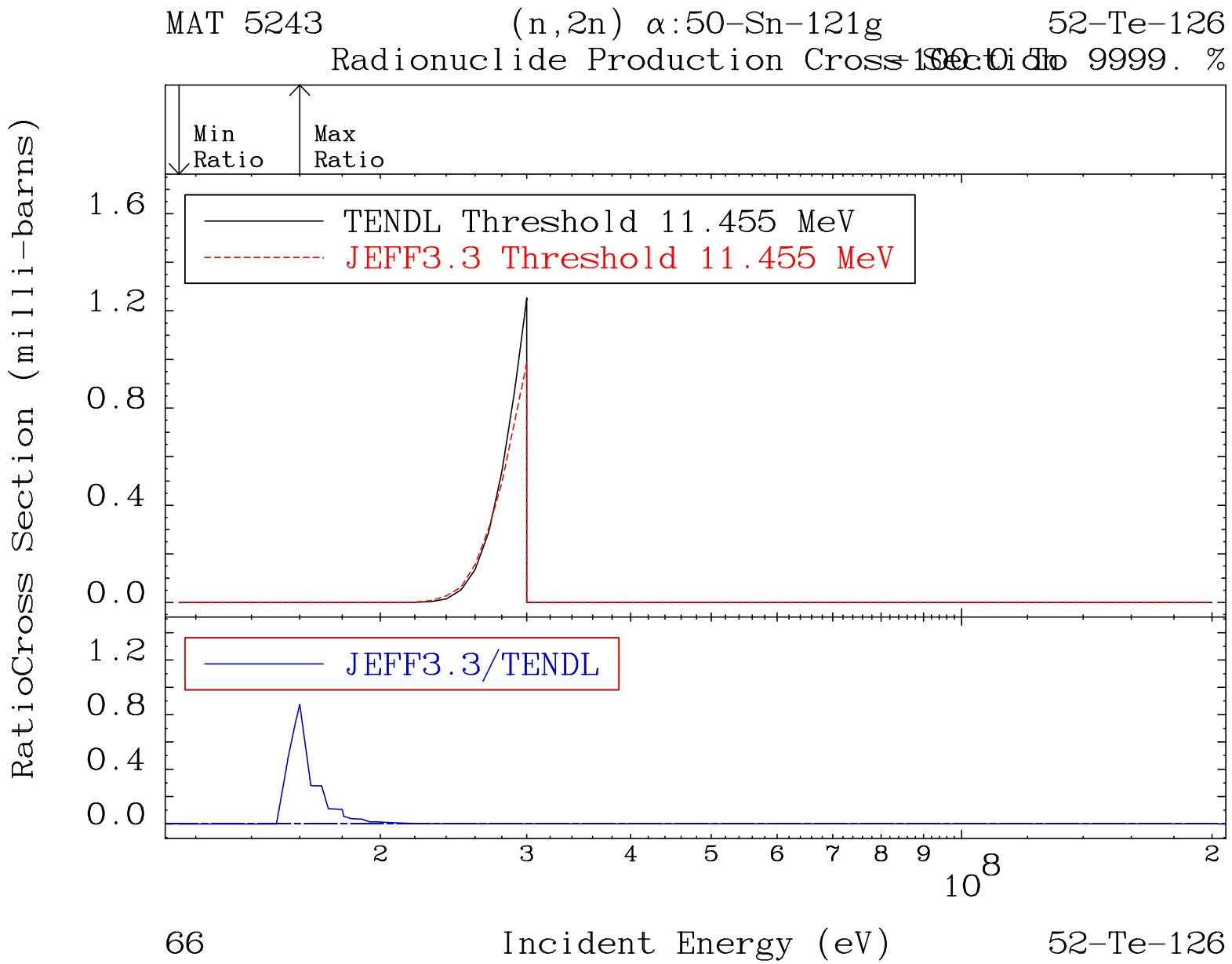

MAT 5243
Dpa elastic (mt2)
Cross Section
52-Te-126
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 750.00 eV
JEFF3.3 Threshold 750.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
52-Te-126

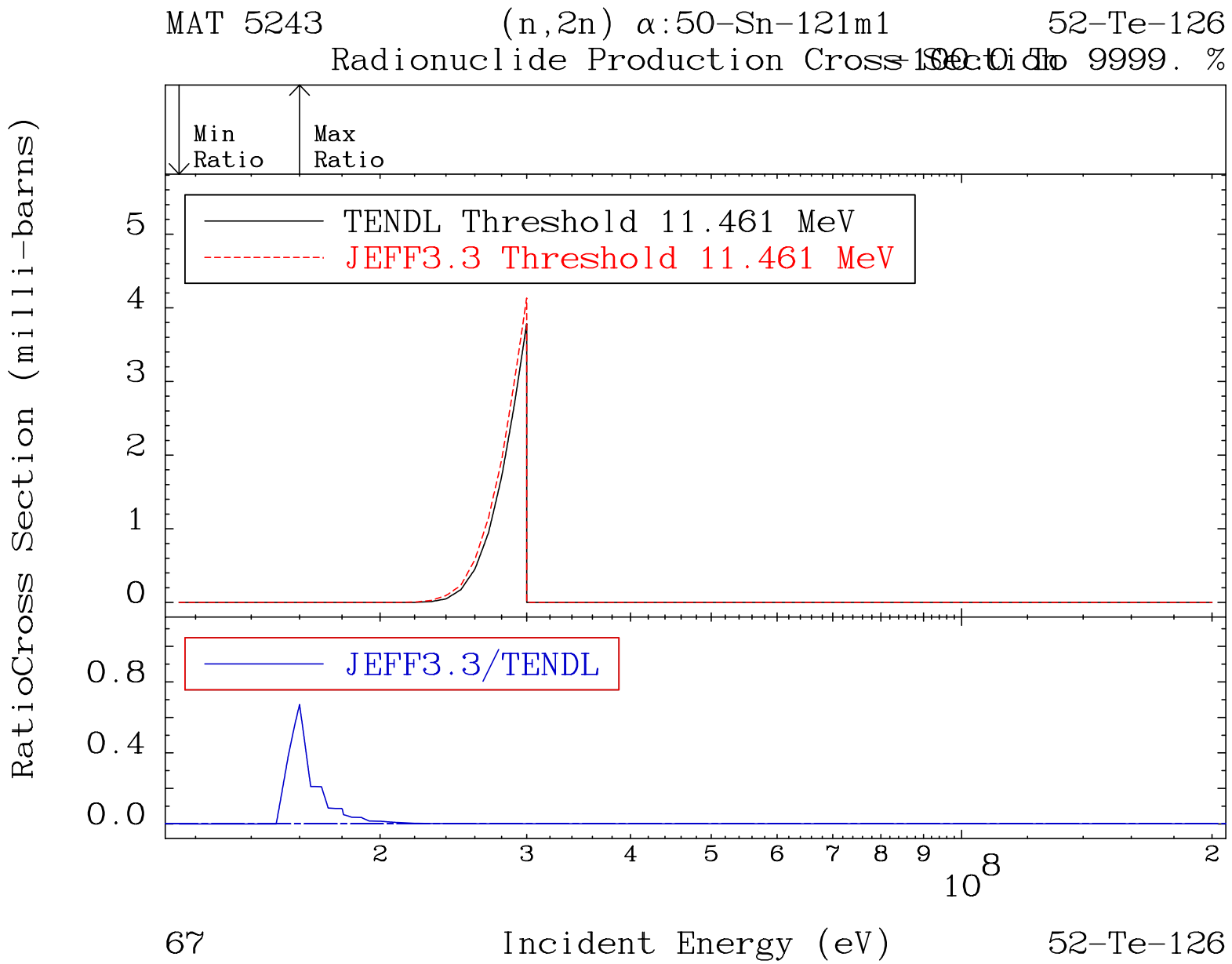

MAT 5243
Dpa inelastic (mt51-91)
52-Te-126
Cross Section -100.0 To 3.845 %
Min Ratio
Max Ratio
TENDL Threshold 671.68 keV
JEFF3.3 Threshold 671.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
52-Te-126

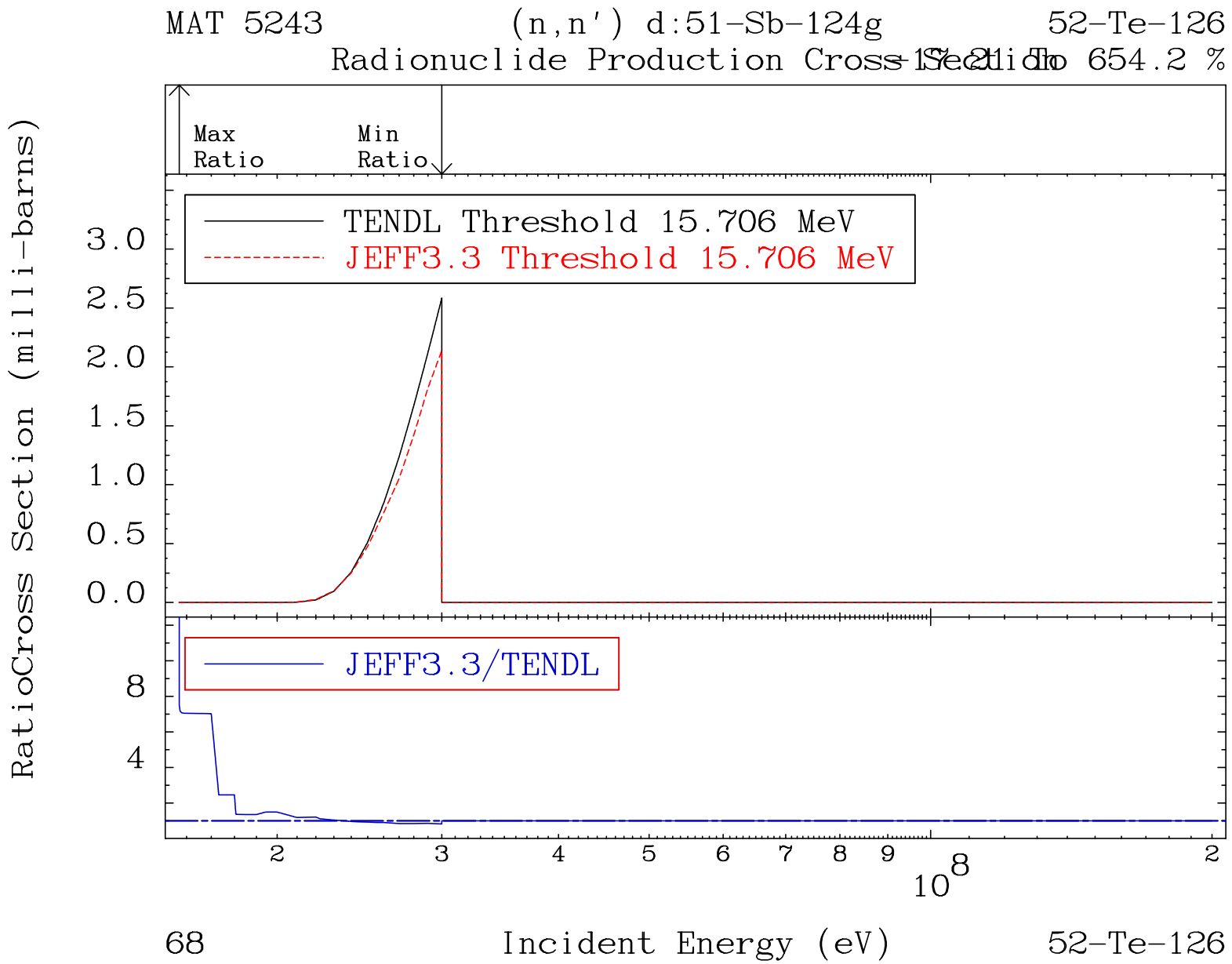

MAT 5243 Dpa disappearance (mt102 -120) 52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
52-Te-126

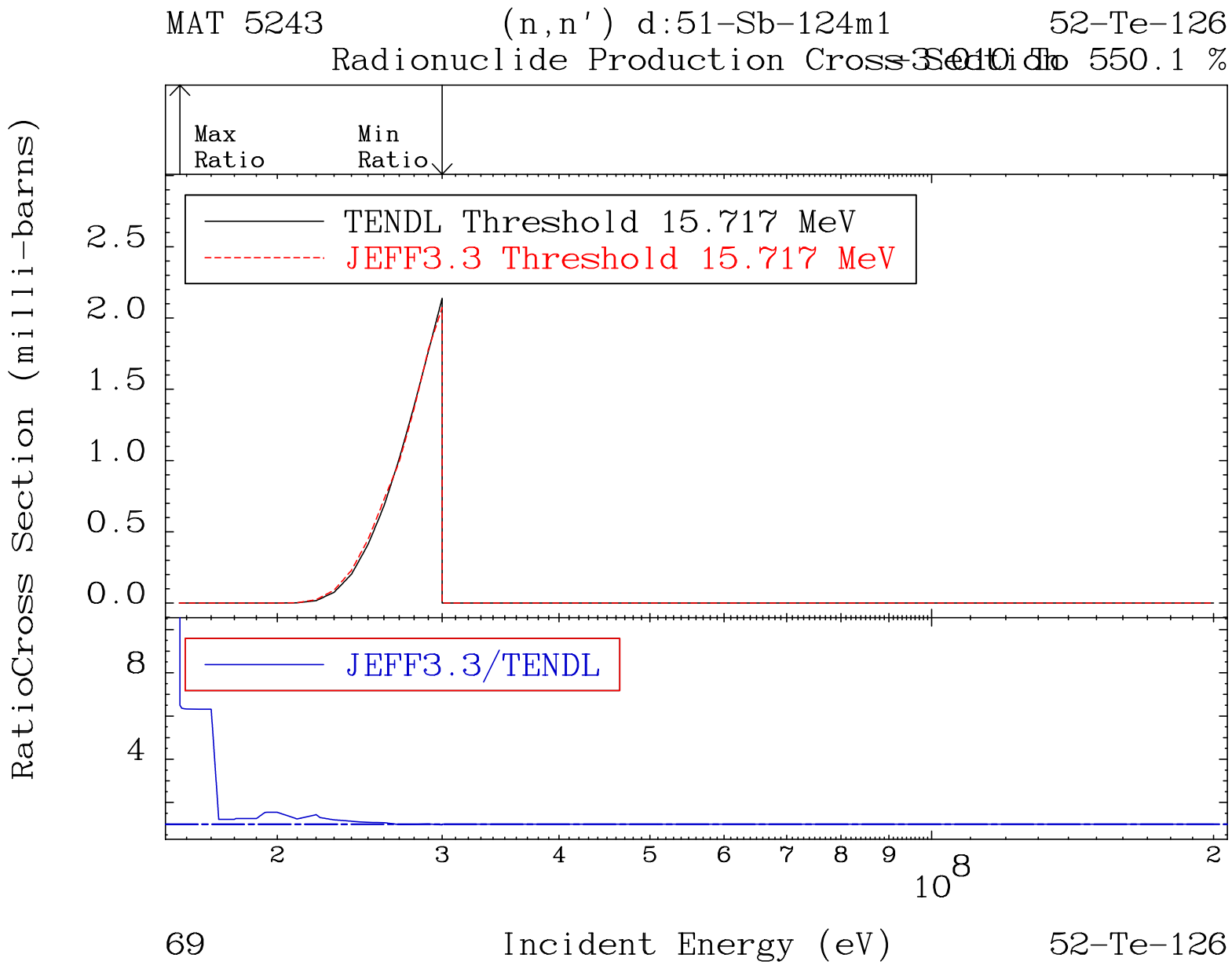

MAT 5243
(n,2n):52-Te-125g
52-Te-126
Radionuclide Production Cross Section
Max
Ratio
800
600
400
200
0
TENDL Threshold 9.1867 MeV
JEFF3.3 Threshold 9.1867 MeV
2.0
1.0
0.0
JEFF3.3/TENDL
9
2
3
4
5
6
7
8
9
2
10^7
10^8
RatioCross Section (milli-barns)
64
Incident Energy (eV)
52-Te-126

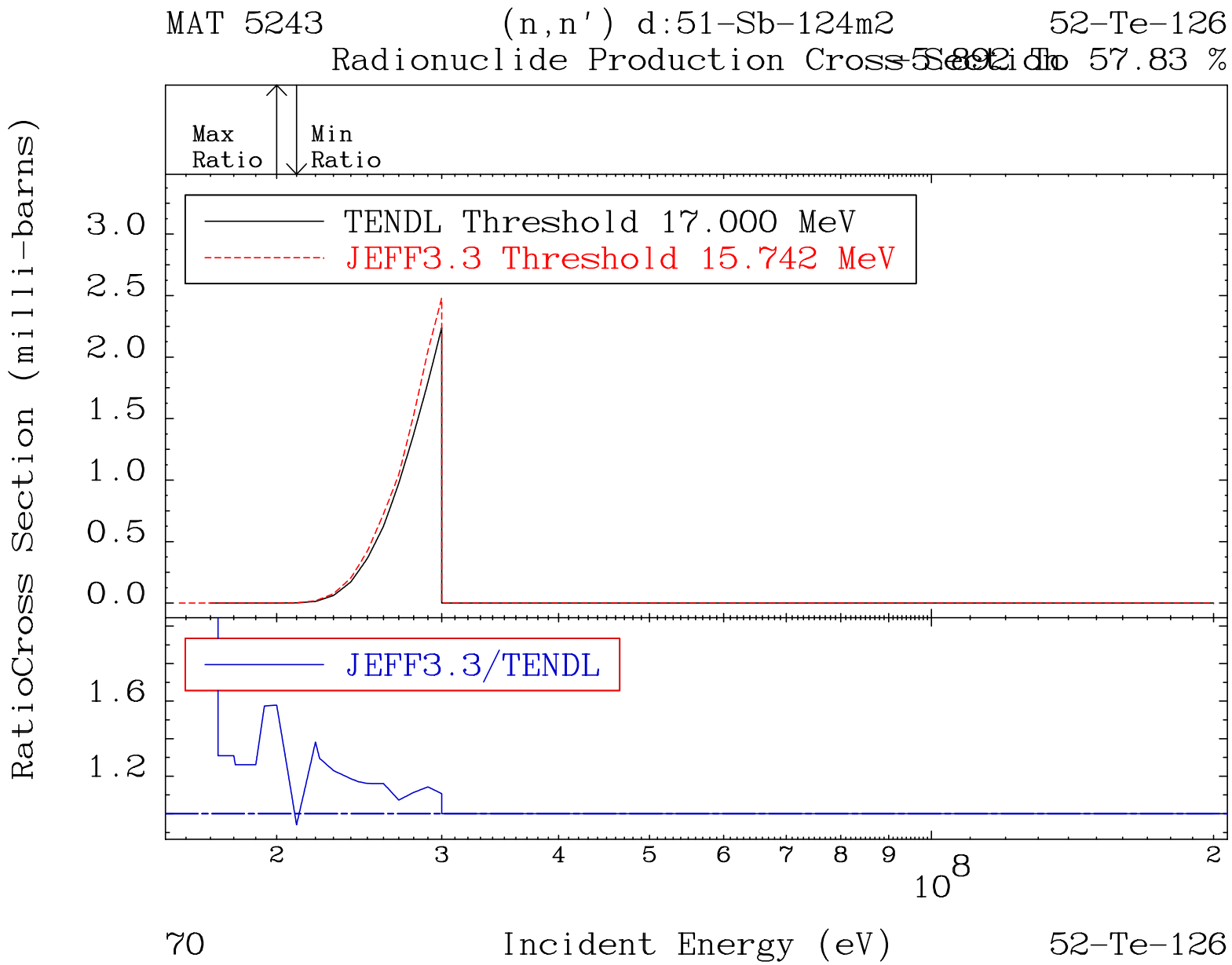

MAT 5243
(n,2n):52-Te-125m2
52-Te-126
Radionuclide Production Cross Section To 34.25 %
Max
Ratio
TENDL Threshold 9.3326 MeV
JEFF3.3 Threshold 9.3326 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
52-Te-126

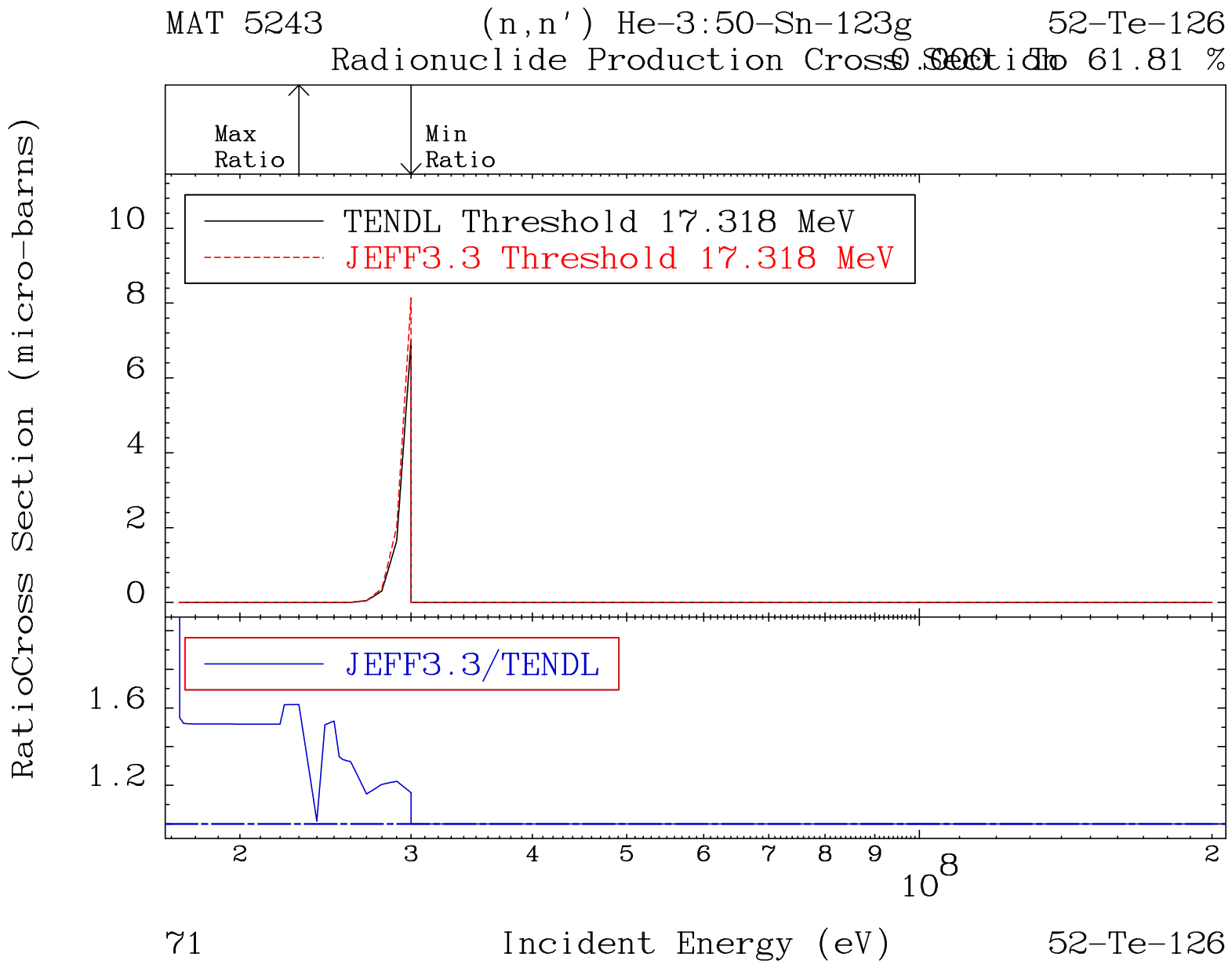

MAT 5243
(n,2n) α:50-Sn-121g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.455 MeV
JEFF3.3 Threshold 11.455 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
2
10^8
66
Incident Energy (eV)
52-Te-126

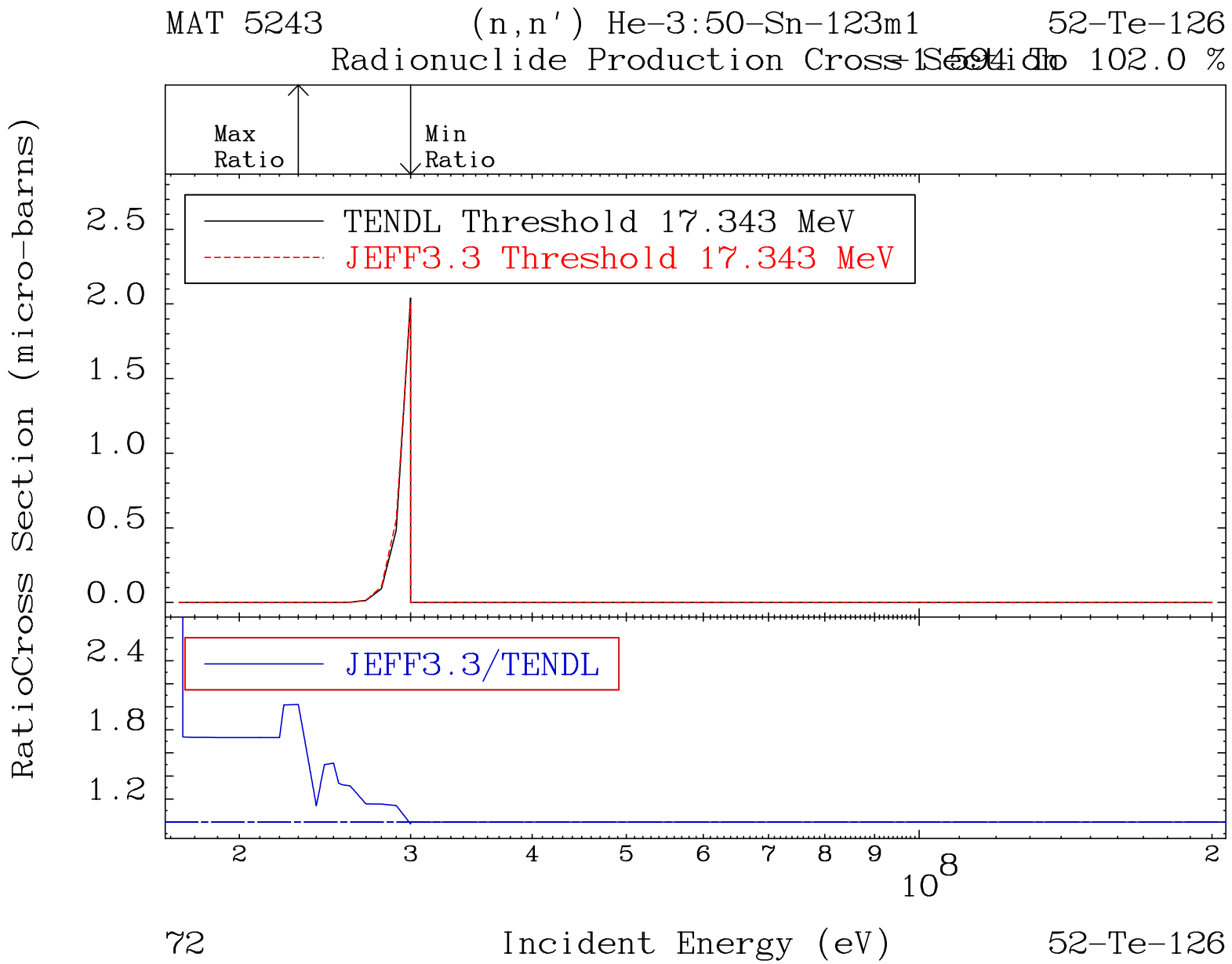

MAT 5243
(n,2n) α:50-Sn-121m1
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 11.461 MeV
JEFF3.3 Threshold 11.461 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
52-Te-126

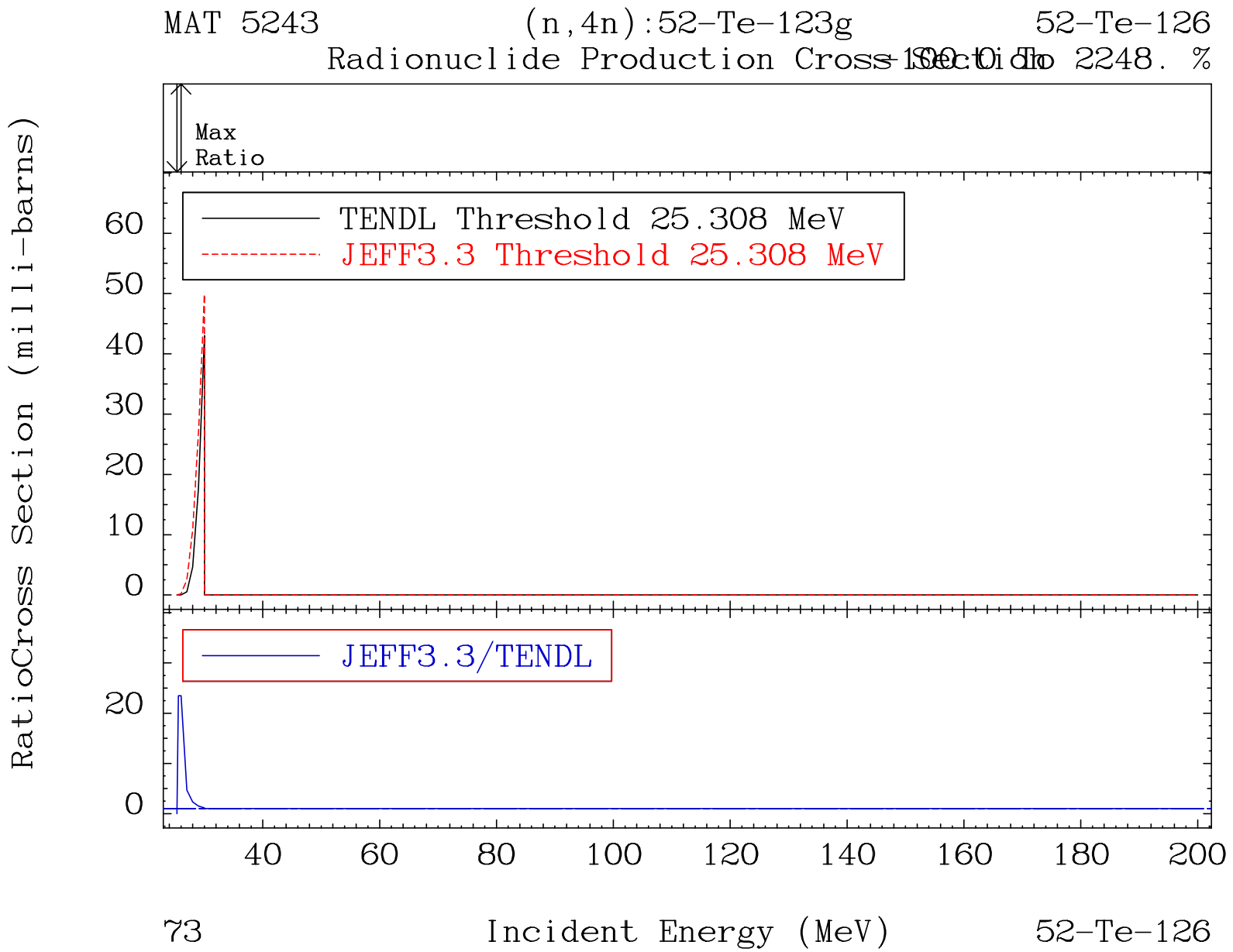

MAT 5243
(n,n') d:51-Sb-124g
52-Te-126
Radionuclide Production Cross Section To 654.2 %
Max Ratio
Min Ratio
TENDL Threshold 15.706 MeV
JEFF3.3 Threshold 15.706 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
4
2
3
4
5
6
7
8
9
2
10^8
68
Incident Energy (eV)
52-Te-126

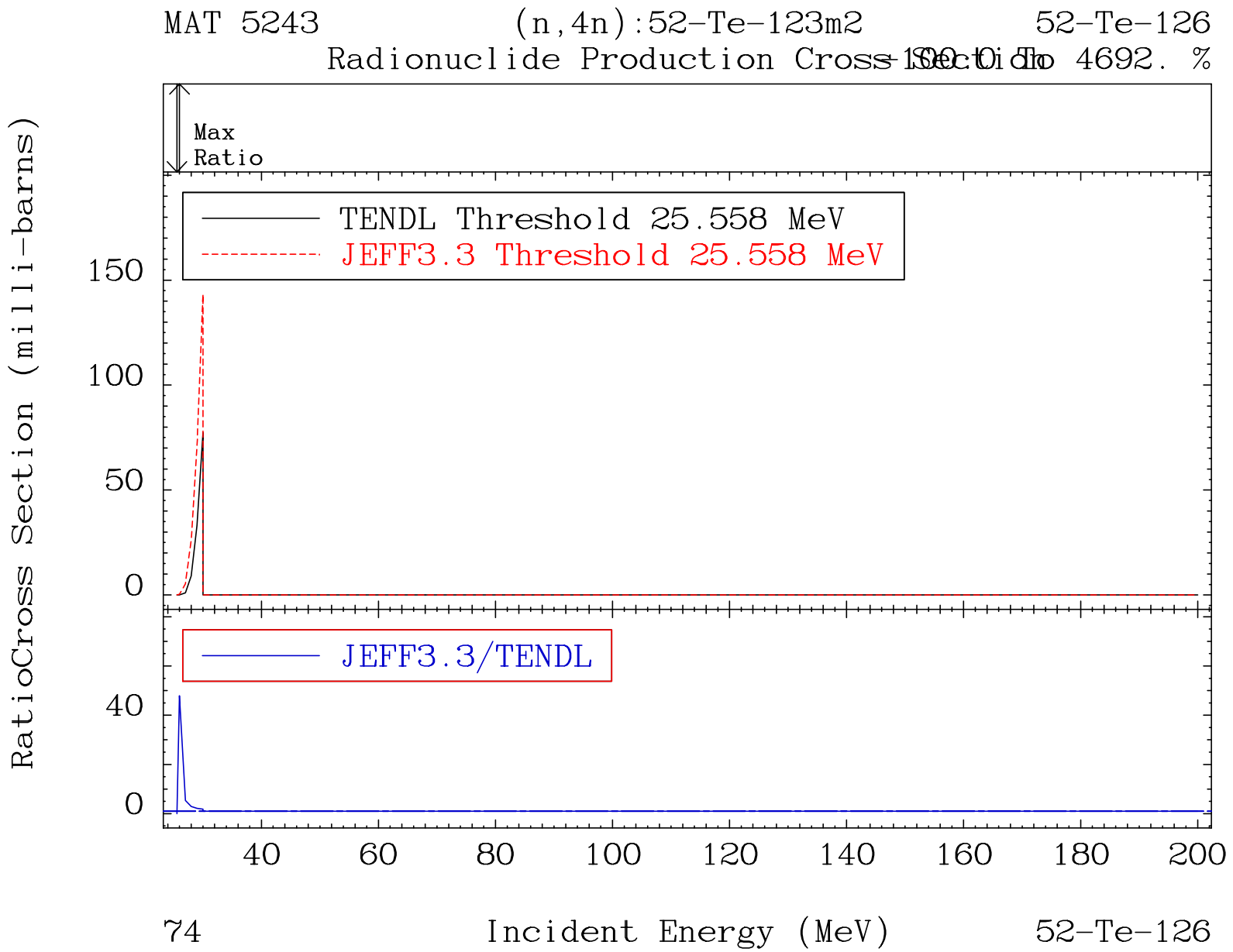

MAT 5243 (n,n') d:51-Sb-124m1 52-Te-126
Radionuclide Production Cross Section To 550.1 %
Max Ratio
Min Ratio
TENDL Threshold 15.717 MeV
JEFF3.3 Threshold 15.717 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
8
4
2
3
4
5
6
7
8
9
2
10^8
69
Incident Energy (eV)
52-Te-126

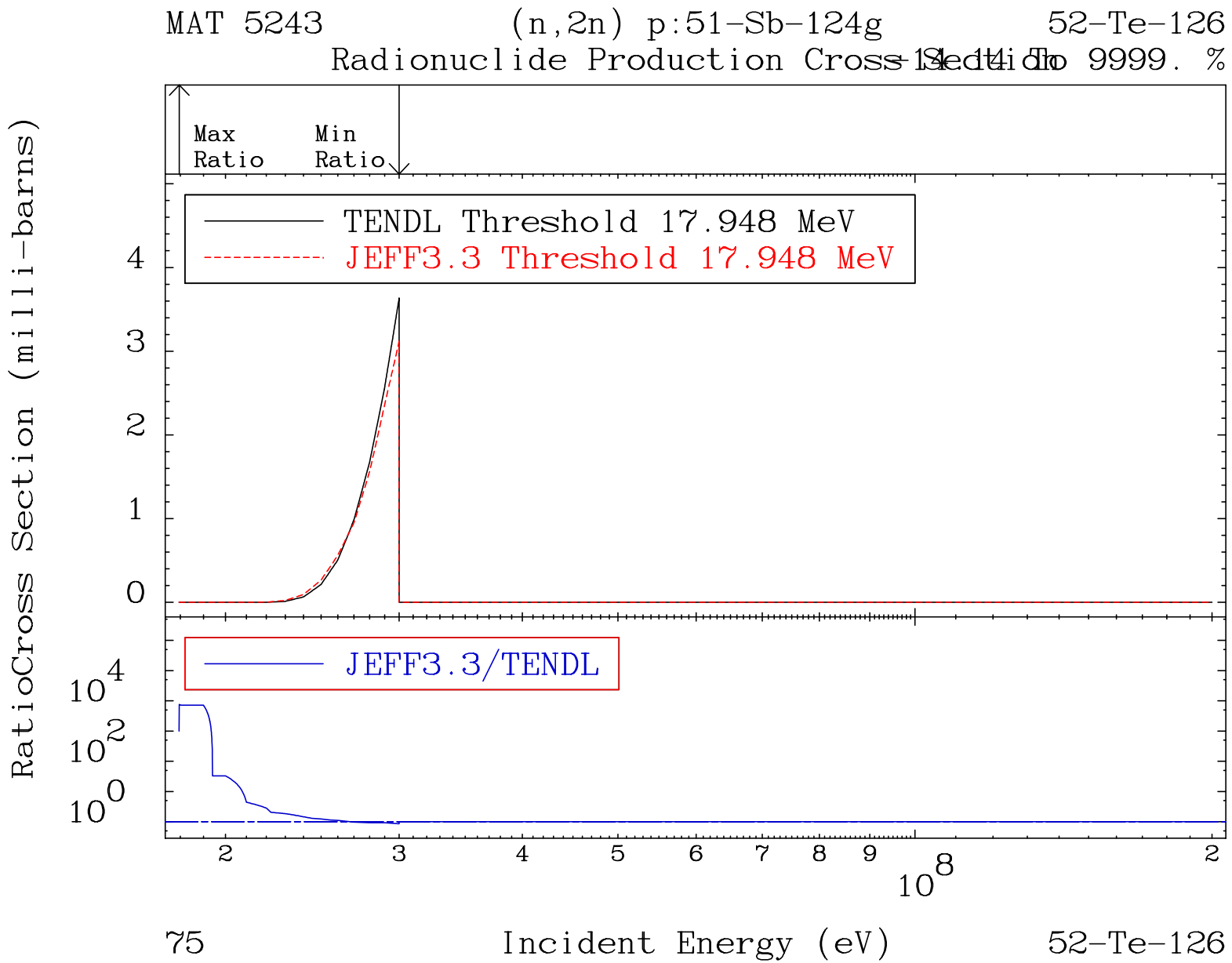

MAT 5243 (n,n') d:51-Sb-124m2 52-Te-126
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 15.742 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
52-Te-126

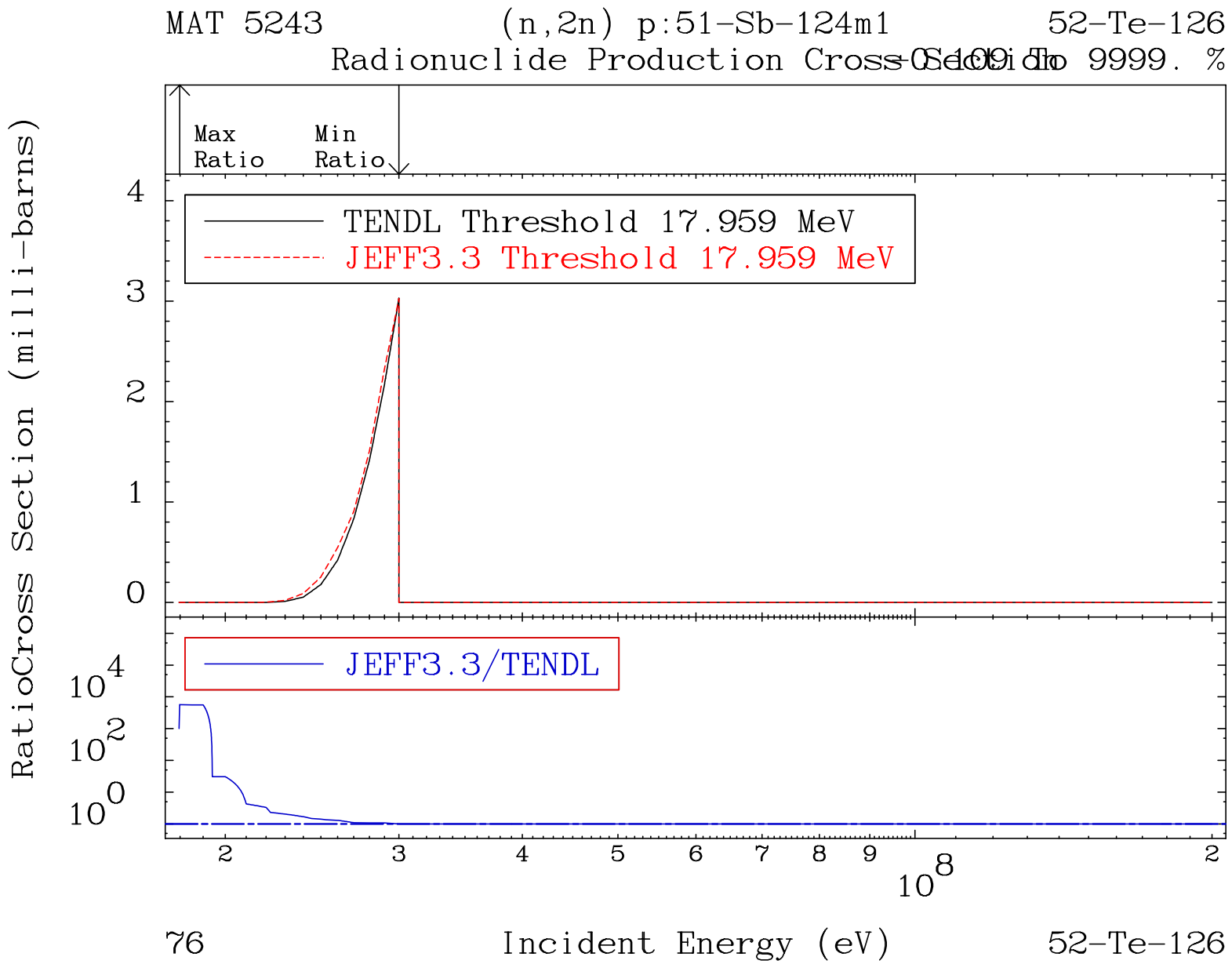

MAT 5243 (n,n') He-3:50-Sn-123g 52-Te-126
Radionuclide Production Cross Section
0.000 To 61.81 %
Max Ratio
Min Ratio
TENDL Threshold 17.318 MeV
JEFF3.3 Threshold 17.318 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
10
8
6
4
2
0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
52-Te-126

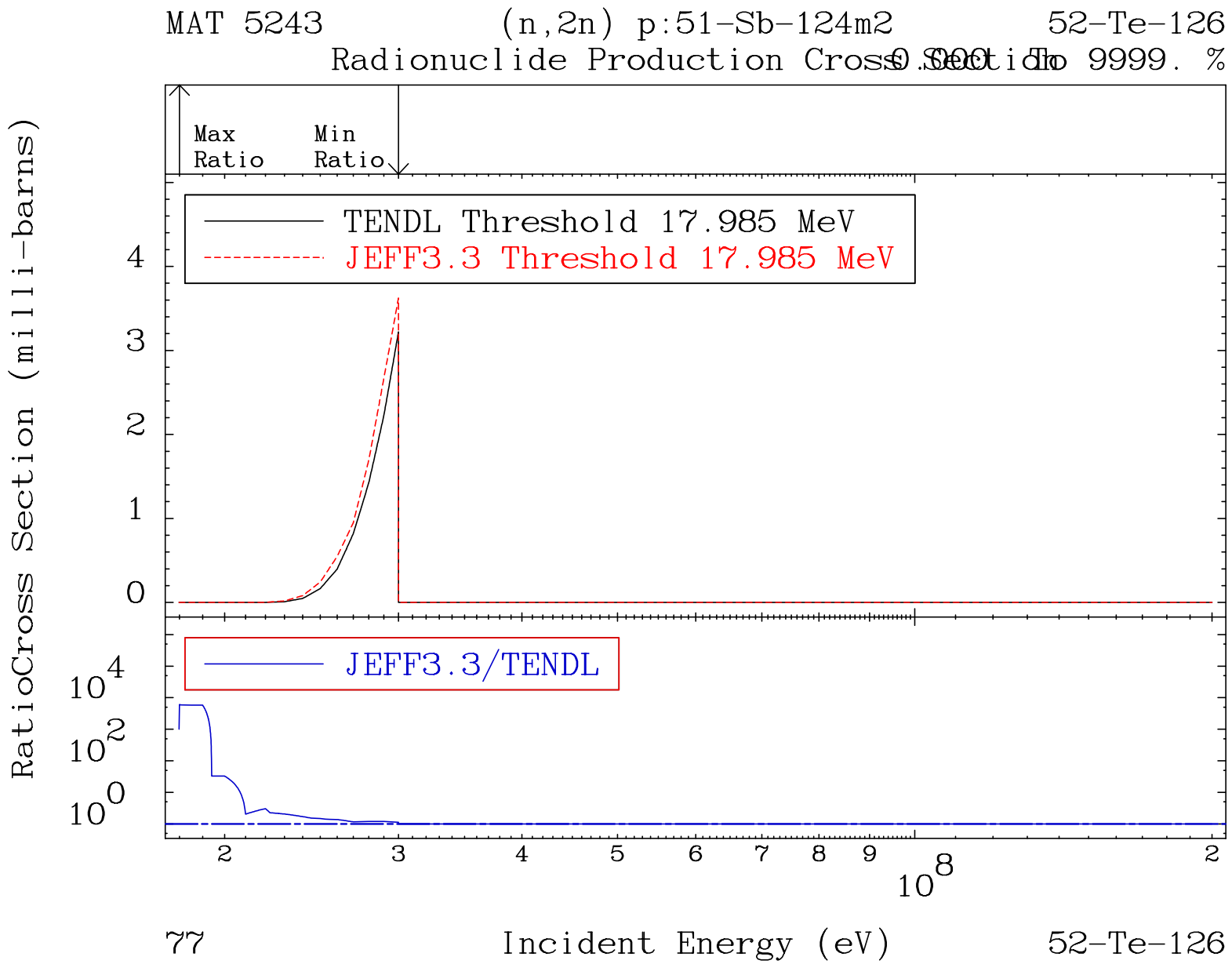

MAT 5243 (n,n') He-3:50-Sn-123m1 52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.343 MeV
JEFF3.3 Threshold 17.343 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
72
52-Te-126

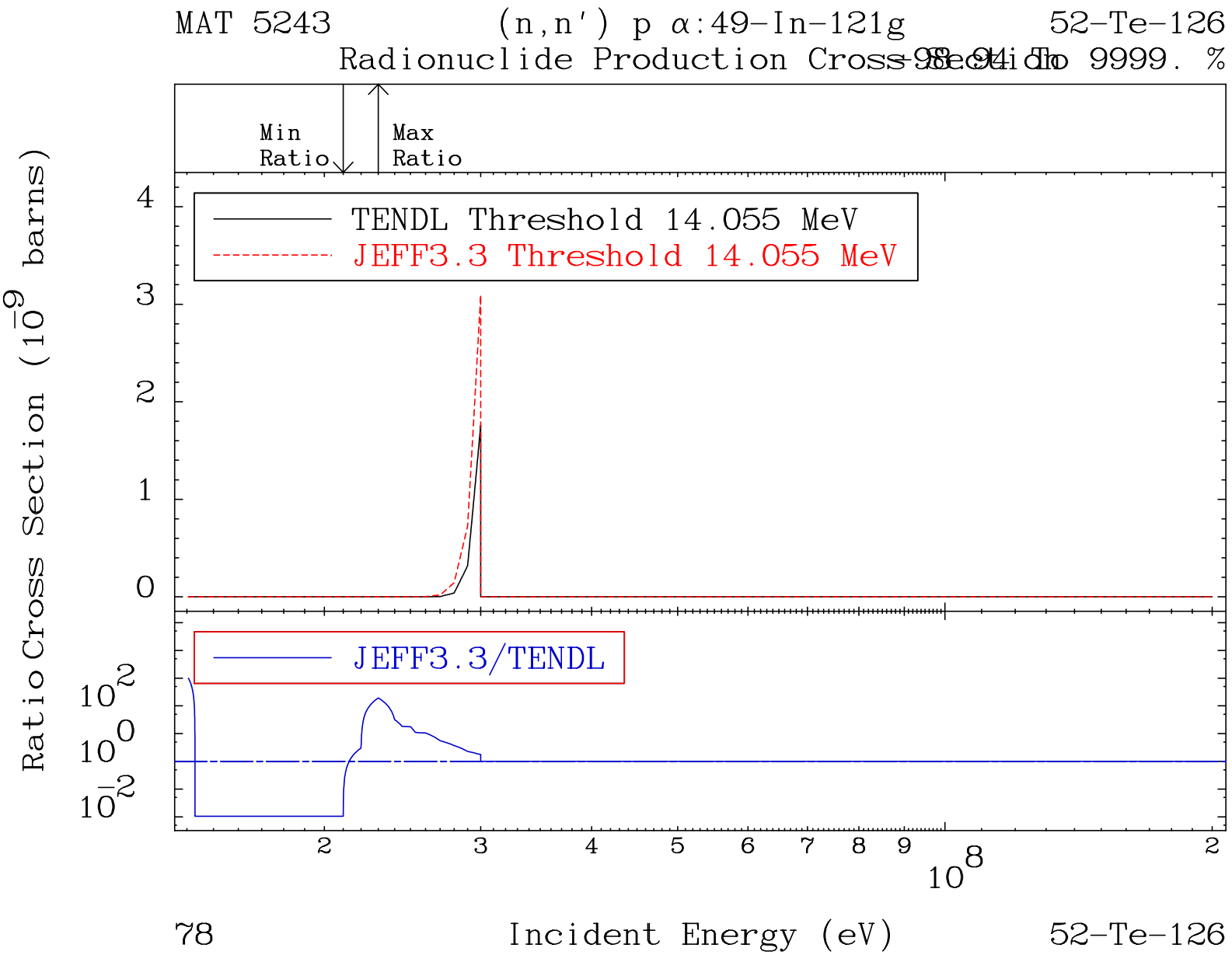

MAT 5243
(n,4n):52-Te-123g
52-Te-126
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 25.308 MeV
JEFF3.3 Threshold 25.308 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
73
52-Te-126

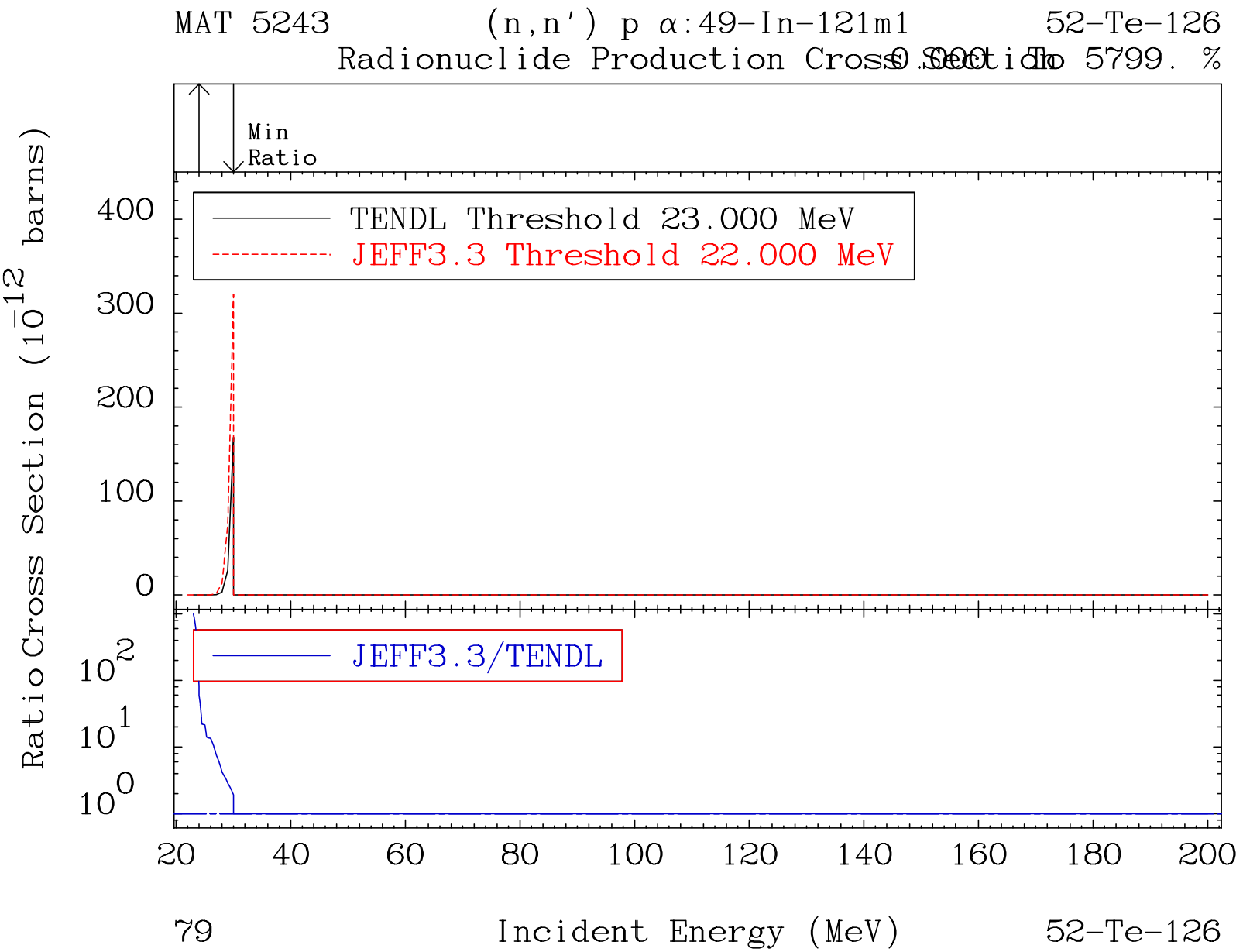

MAT 5243
(n,4n):52-Te-123m2
52-Te-126
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 25.558 MeV
JEFF3.3 Threshold 25.558 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
40
0
40
60
80
100
120
140
160
180
200
74
Incident Energy (MeV)
52-Te-126

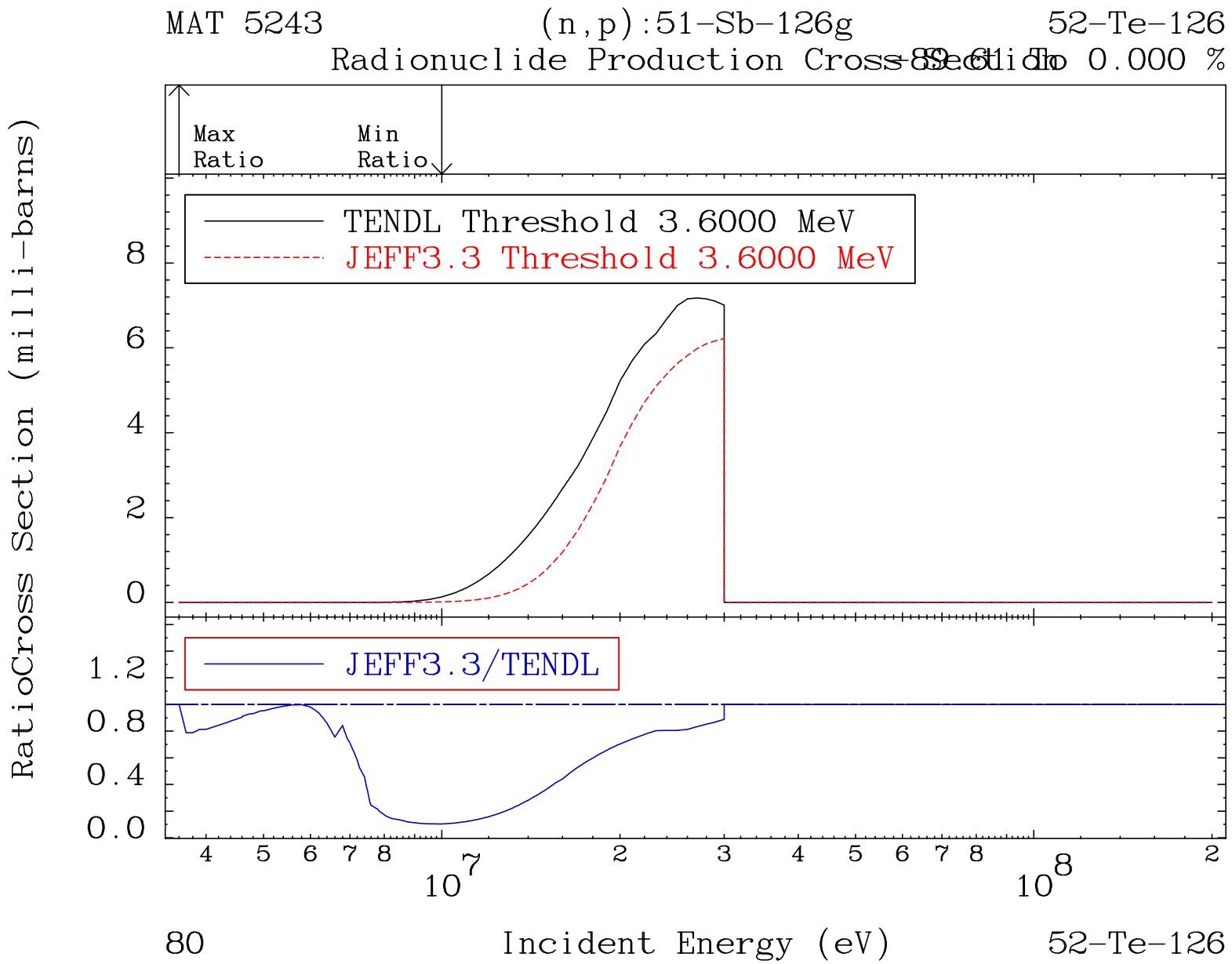

MAT 5243
(n,2n) p:51-Sb-124g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.948 MeV
JEFF3.3 Threshold 17.948 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
52-Te-126

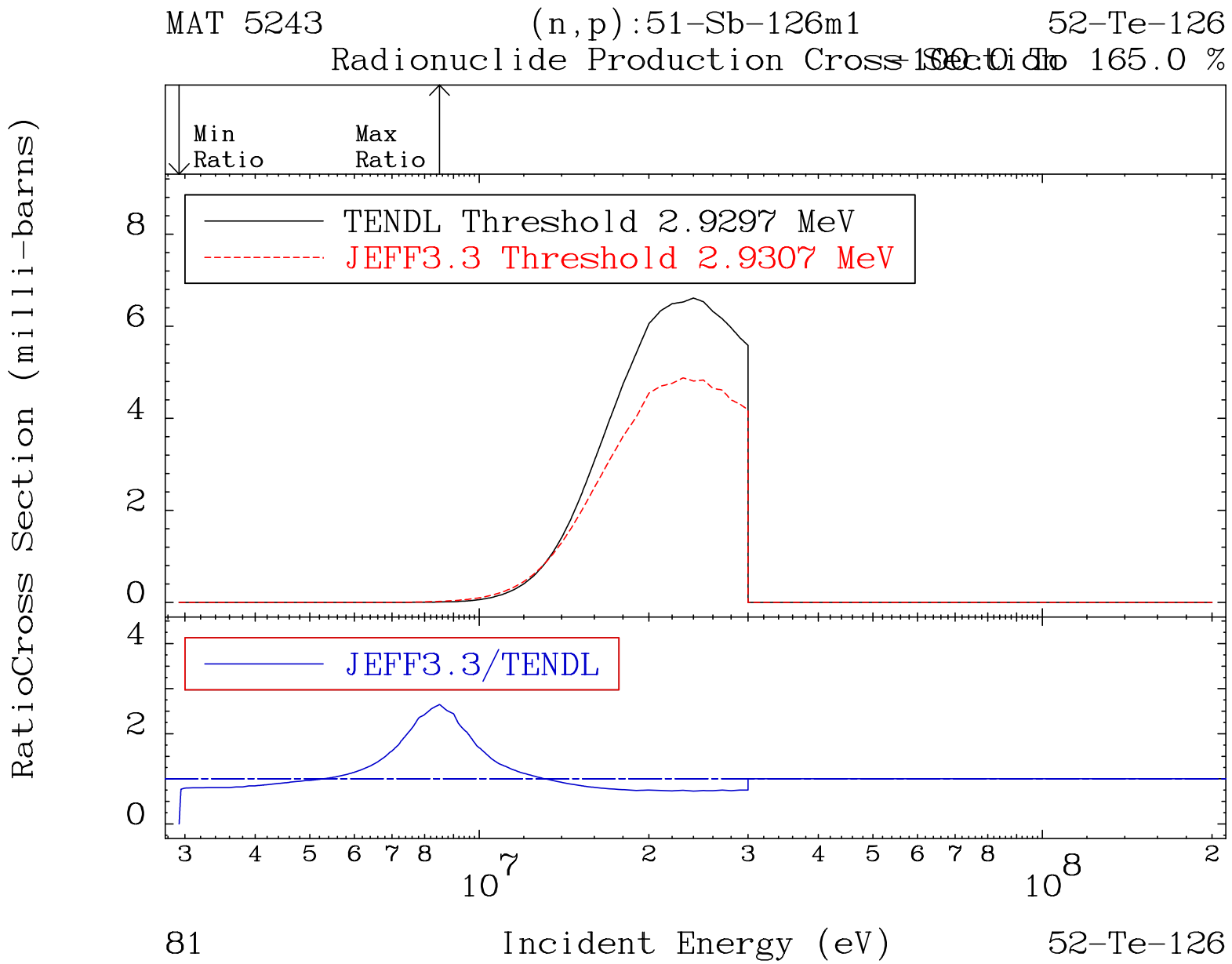

MAT 5243
(n,2n) p:51-Sb-124m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.959 MeV
JEFF3.3 Threshold 17.959 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
52-Te-126

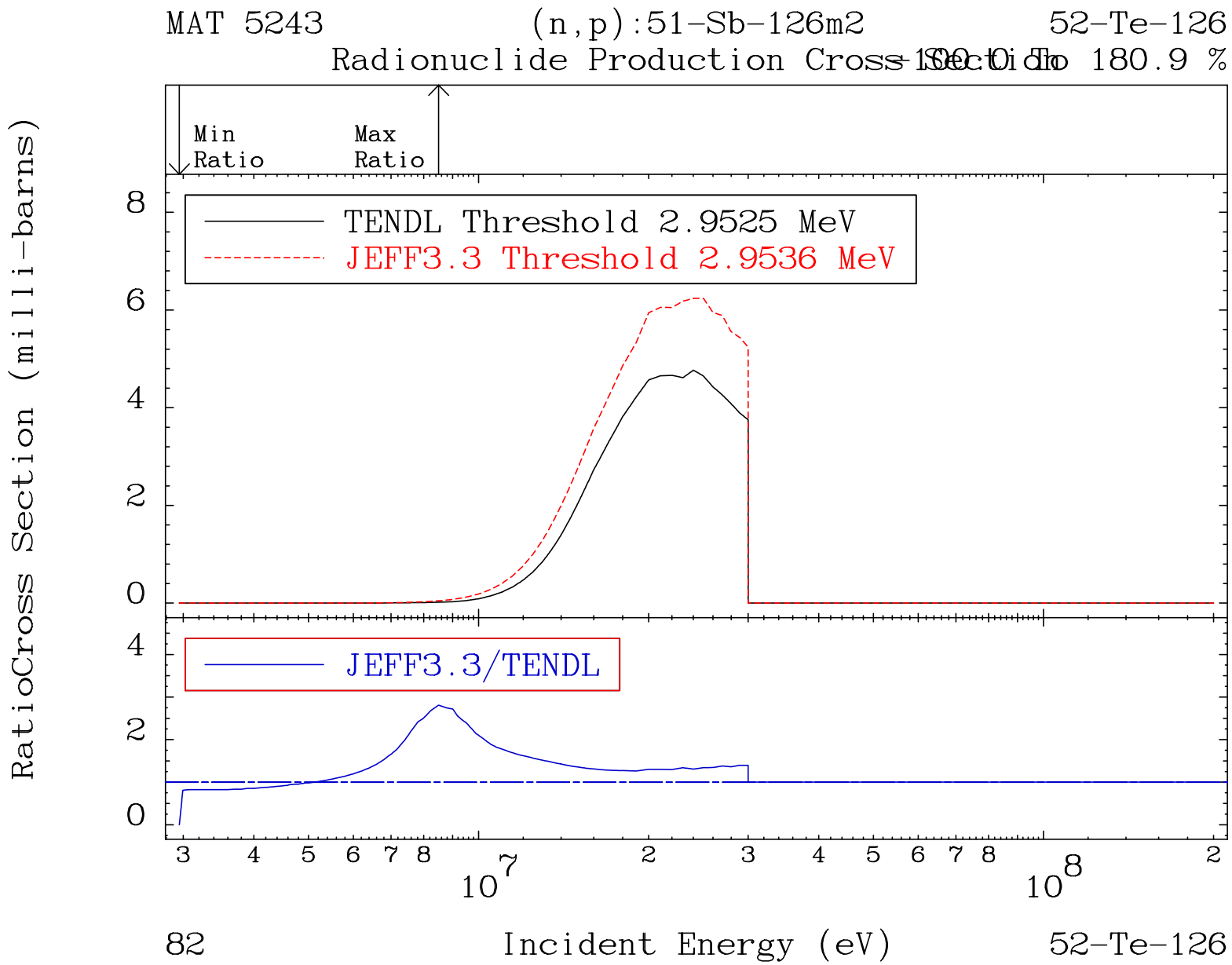

MAT 5243 (n,2n) p:51-Sb-124m2 52-Te-126
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.985 MeV
JEFF3.3 Threshold 17.985 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
52-Te-126

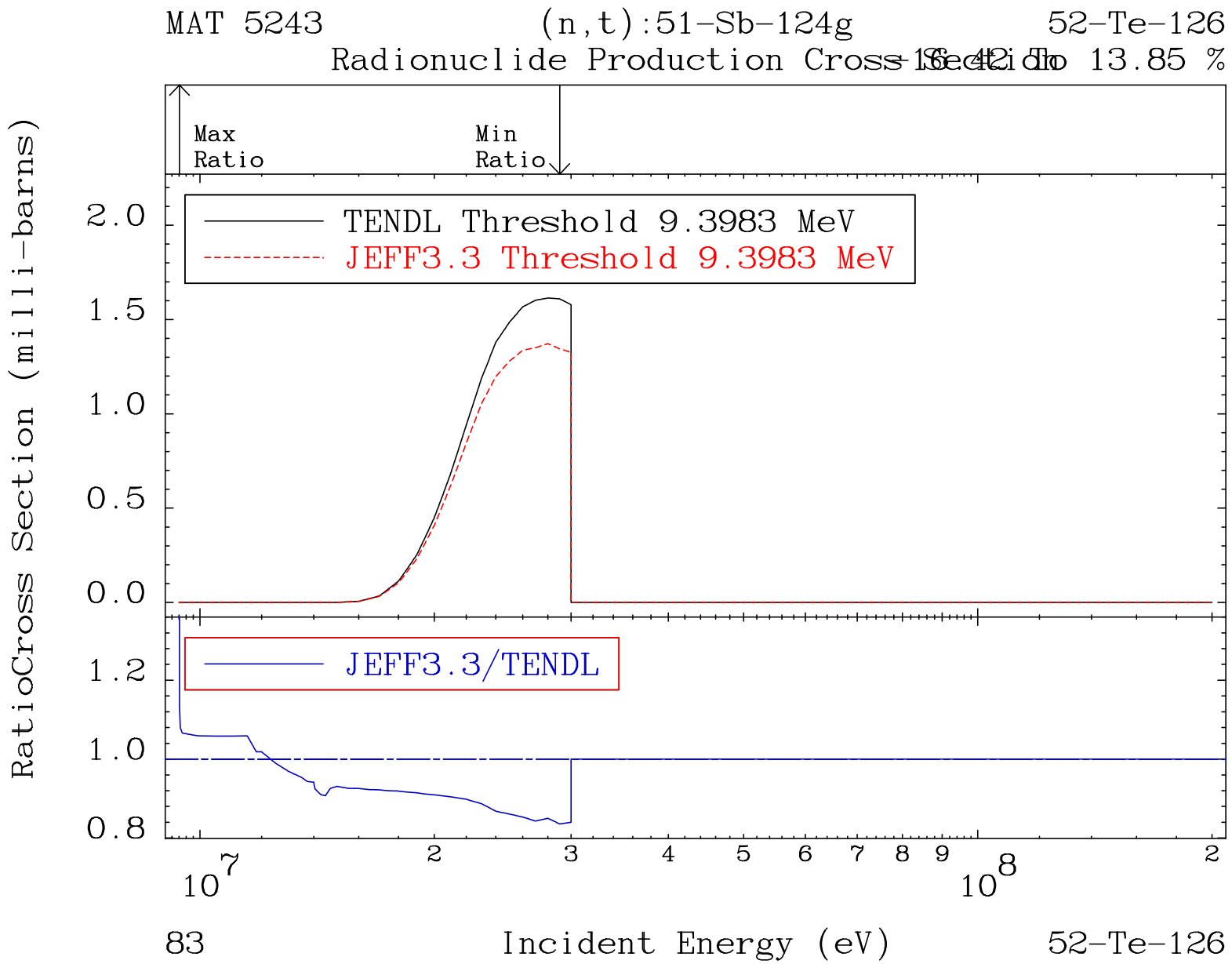

MAT 5243
(n,n') p α:49-In-121g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.055 MeV
JEFF3.3 Threshold 14.055 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
78
52-Te-126

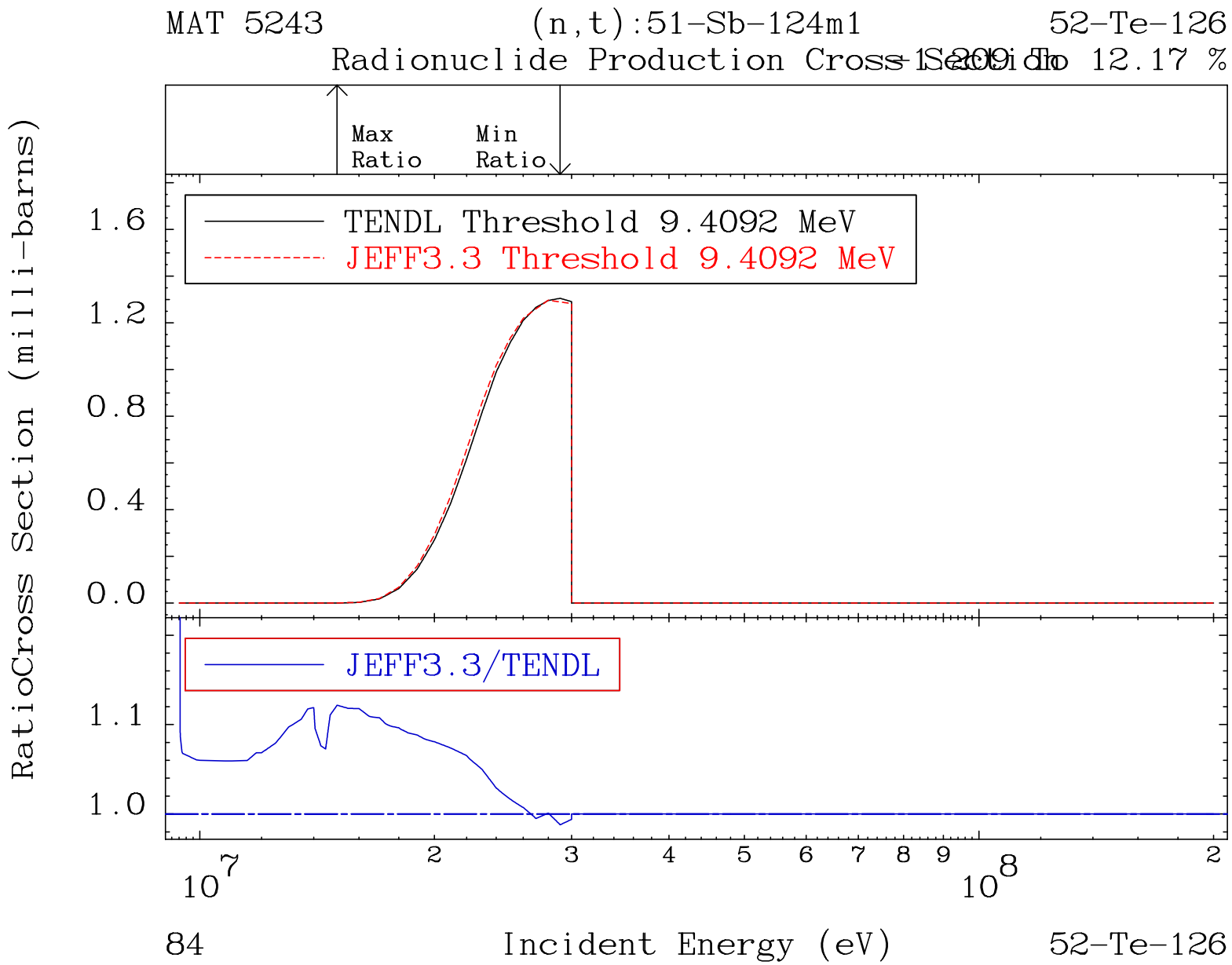

MAT 5243 (n,n') p α:49-In-121m1 52-Te-126
Radionuclide Production Cross Section
0.000 To 5799. %
Min
Ratio
TENDL Threshold 23.000 MeV
JEFF3.3 Threshold 22.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-12} barns)
400
300
200
100
0
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
52-Te-126

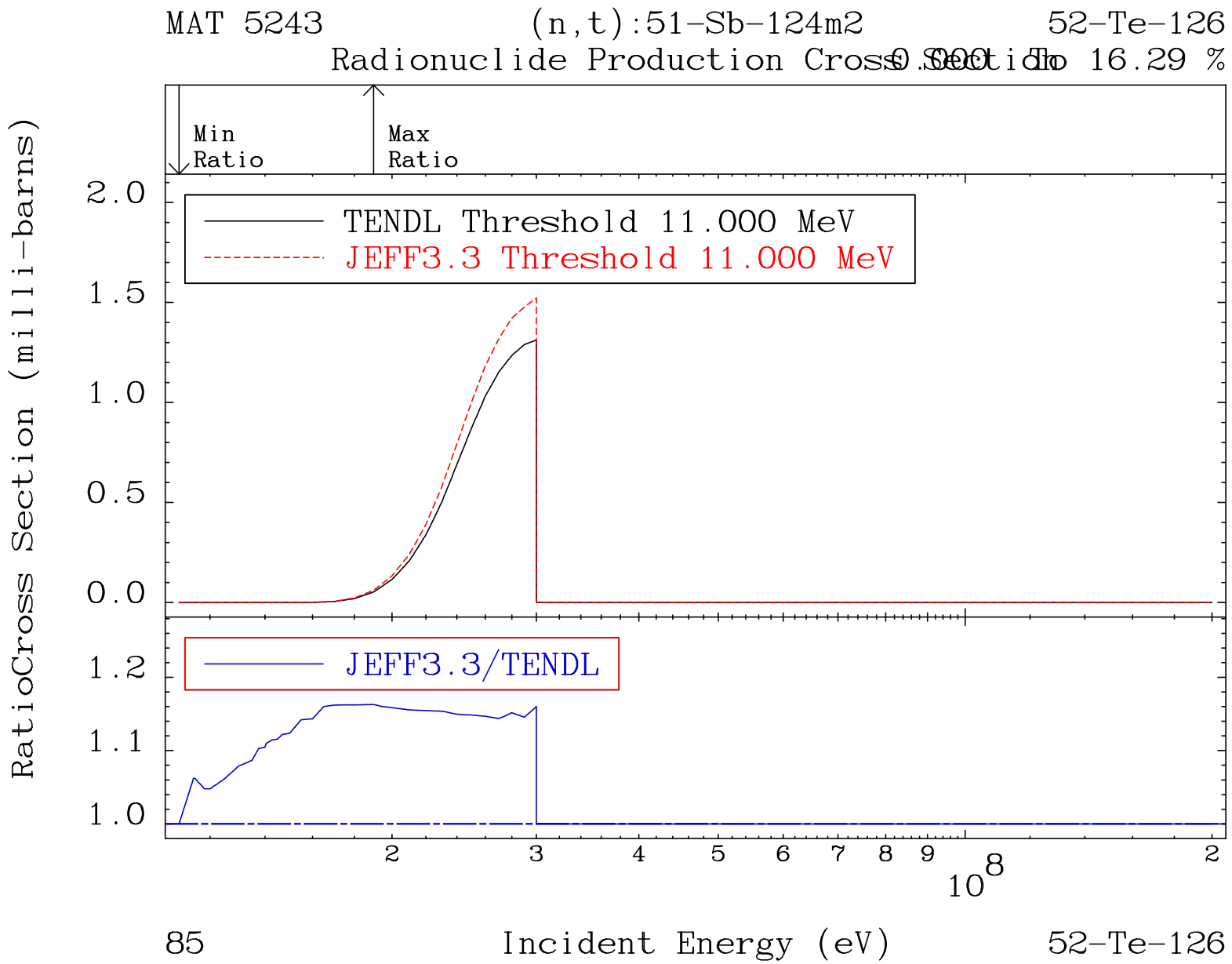

MAT 5243
(n,p):51-Sb-126g
52-Te-126
Radionuclide Production Cross Section To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 3.6000 MeV
JEFF3.3 Threshold 3.6000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
52-Te-126

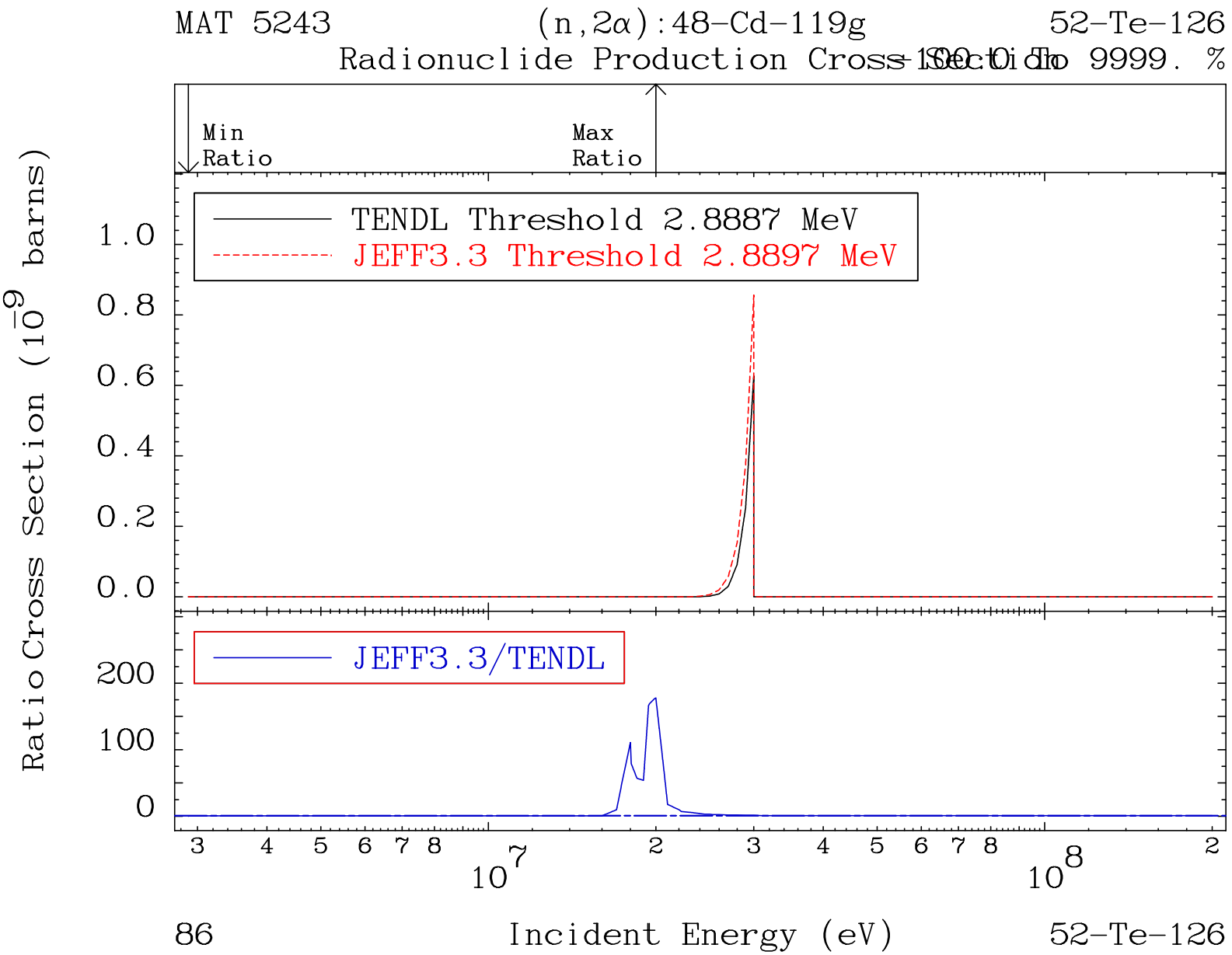

MAT 5243
(n,p):51-Sb-126m1
52-Te-126
Radionuclide Production Cross Section
-100.0 To 165.0 %
Min Ratio
Max Ratio
TENDL Threshold 2.9297 MeV
JEFF3.3 Threshold 2.9307 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
52-Te-126

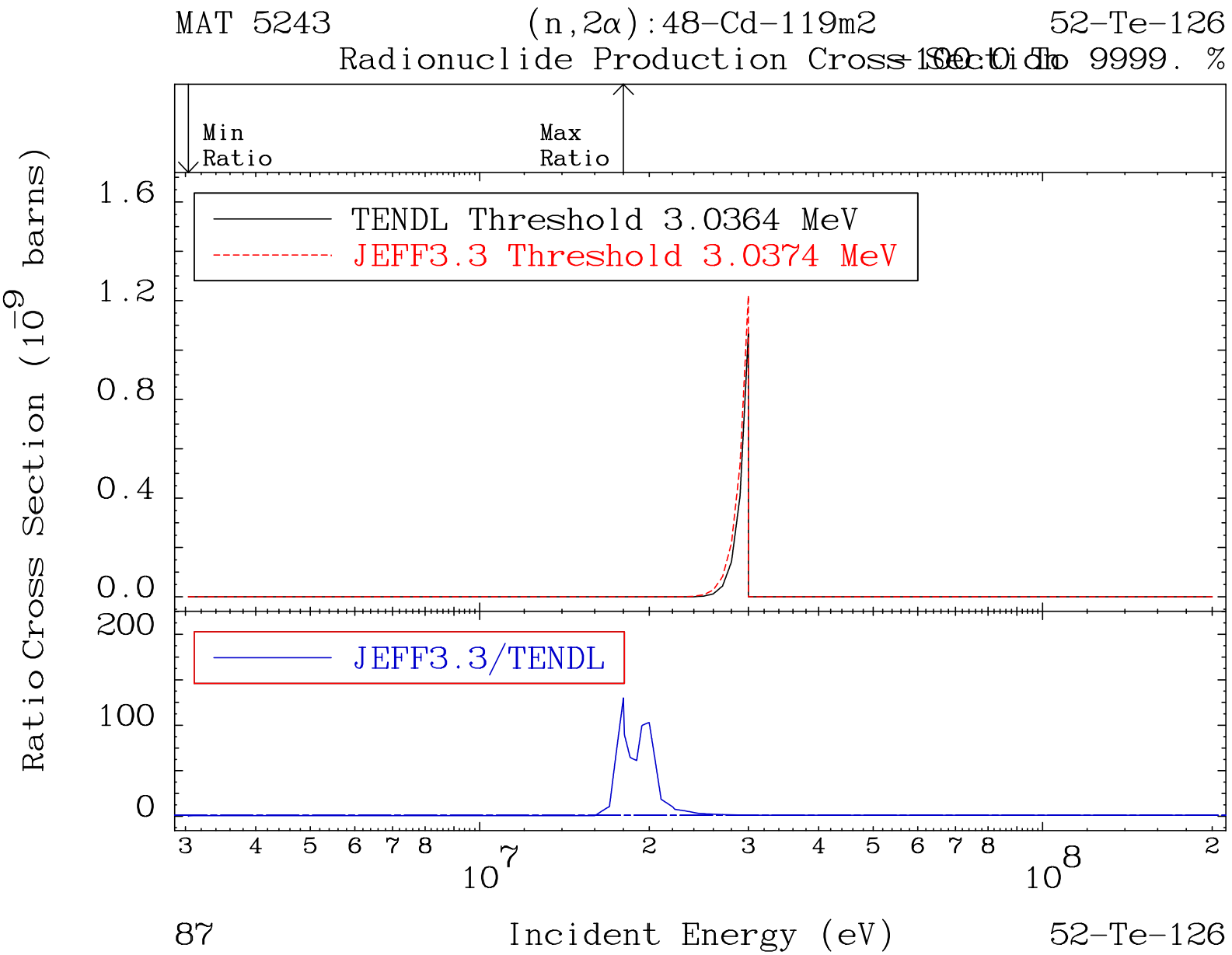

MAT 5243
(n,p):51-Sb-126m2
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.9525 MeV
JEFF3.3 Threshold 2.9536 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
52-Te-126

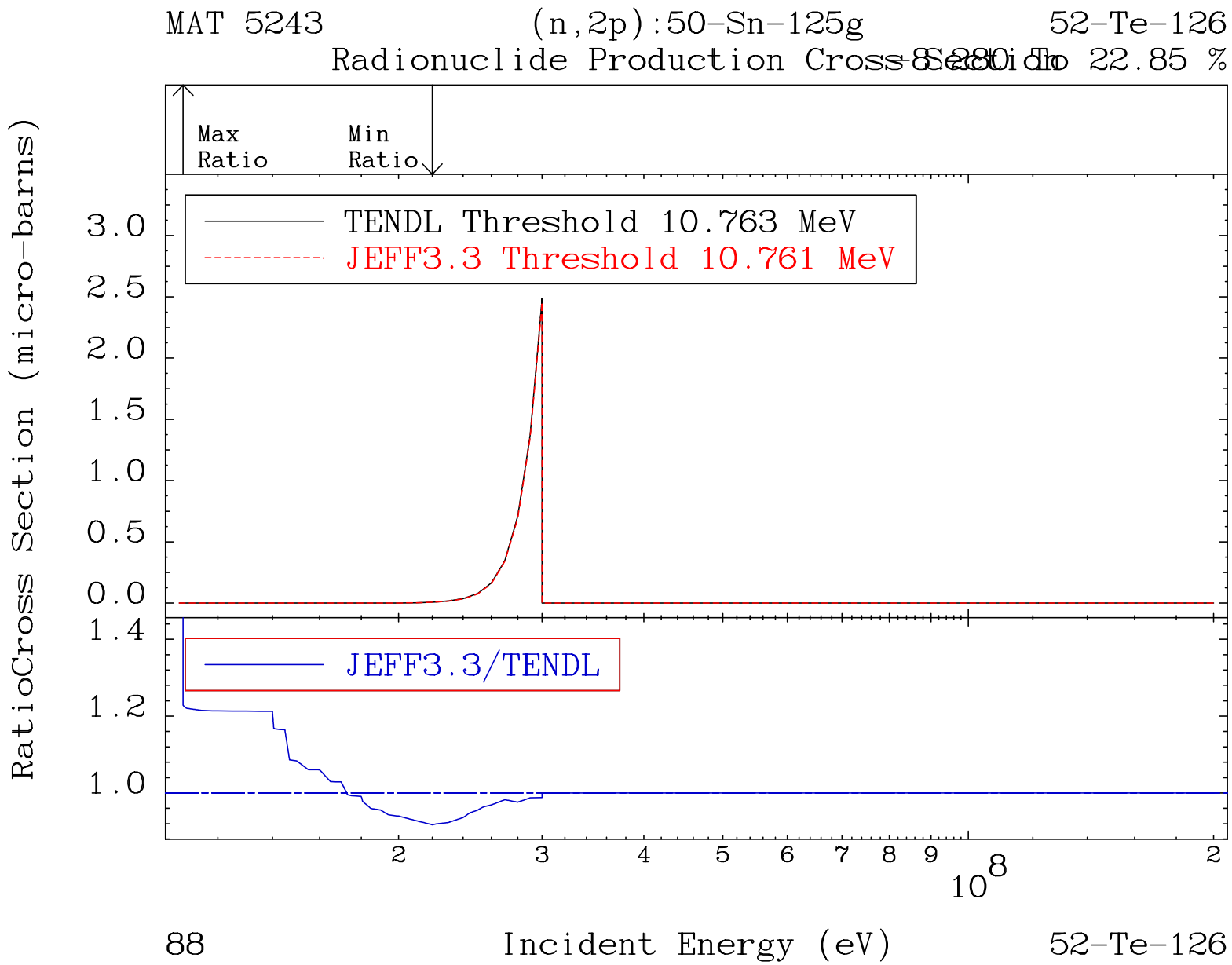

MAT 5243
(n,t):51-Sb-124g
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.3983 MeV
JEFF3.3 Threshold 9.3983 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
52-Te-126

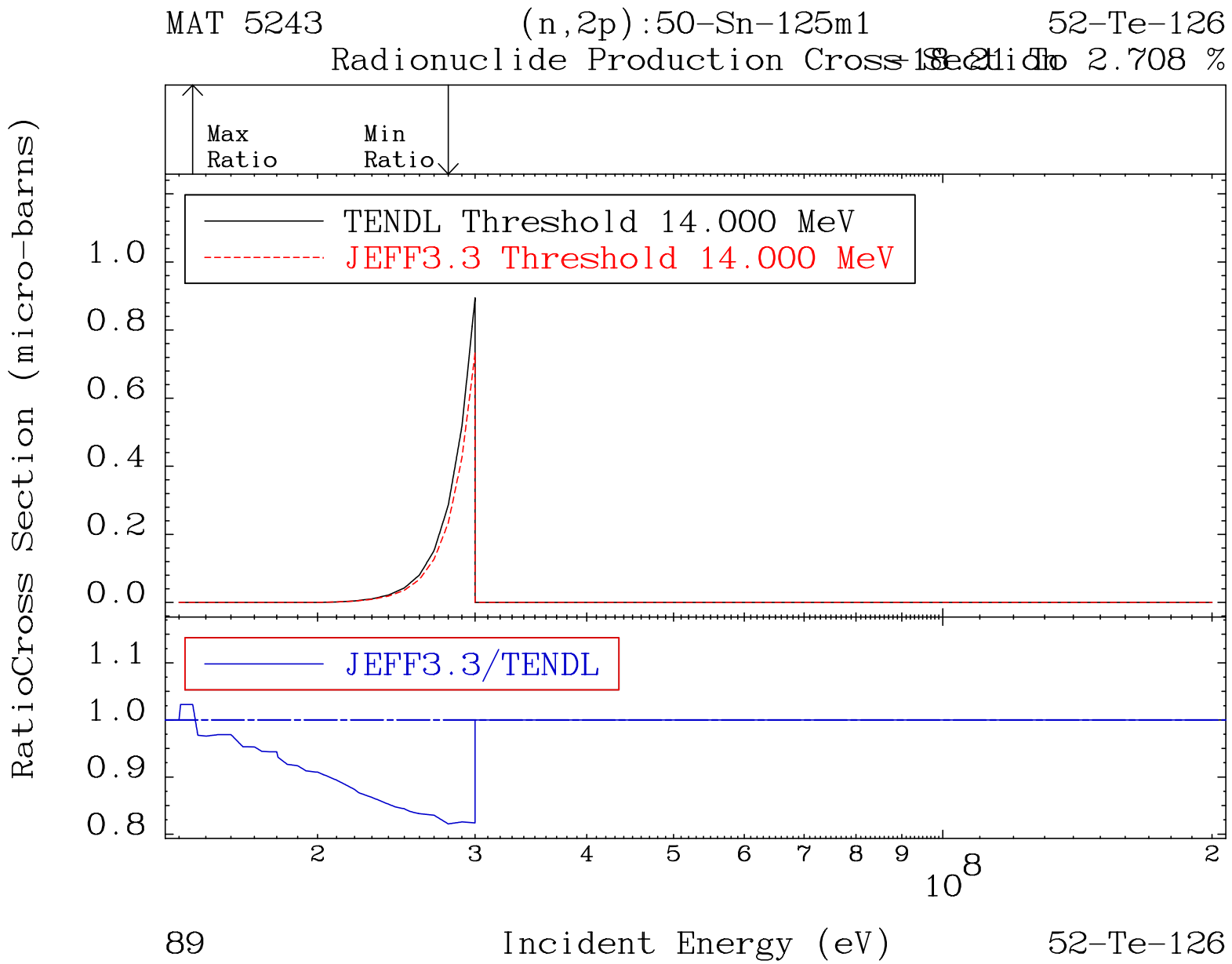

MAT 5243
(n,t):51-Sb-124m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.4092 MeV
JEFF3.3 Threshold 9.4092 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.1
1.0
10^7
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-126

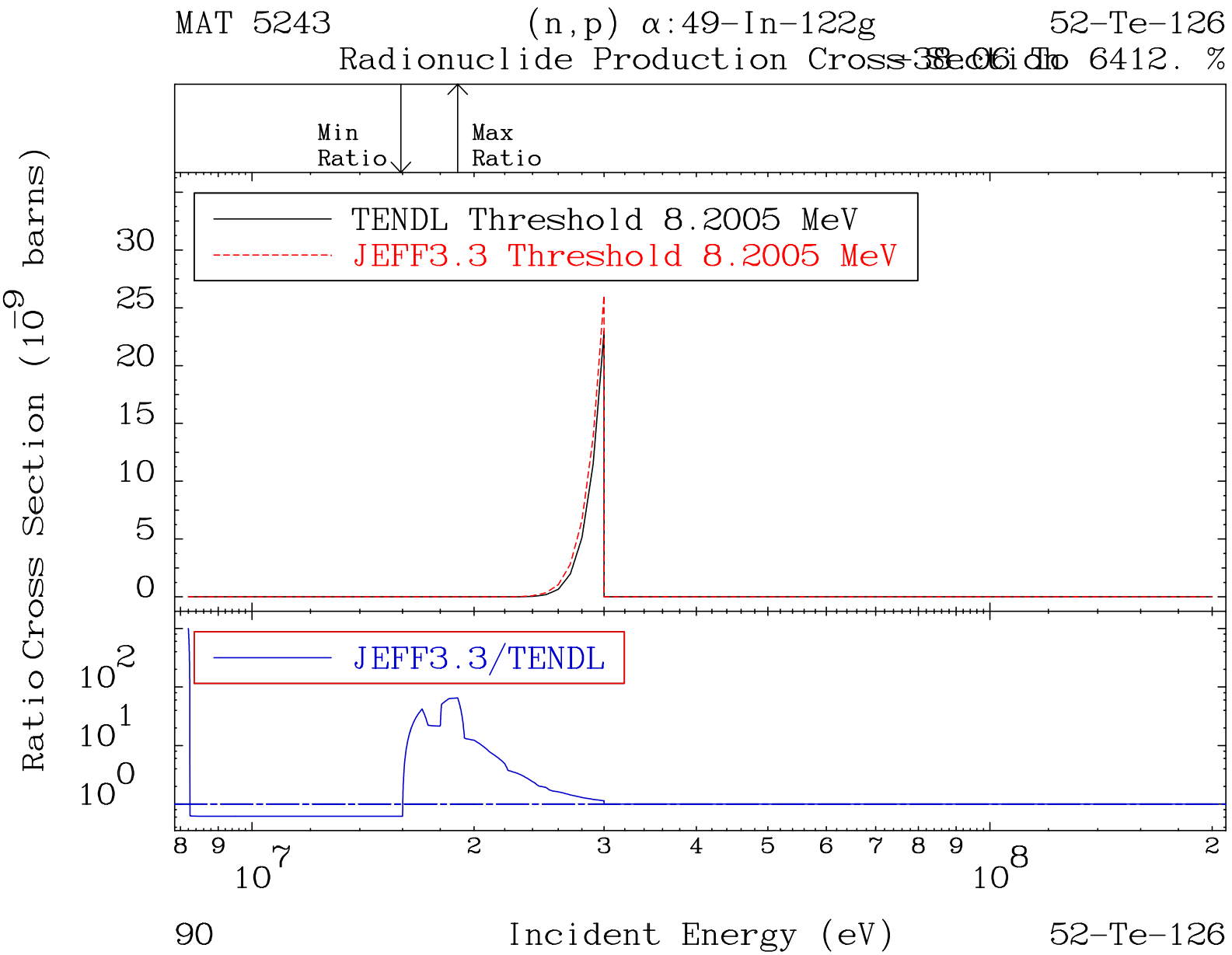

MAT 5243
(n,t):51-Sb-124m2
52-Te-126
Radionuclide Production Cross Section
0.000 To 16.29 %
Min Ratio
Max Ratio
TENDL Threshold 11.000 MeV
JEFF3.3 Threshold 11.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-126

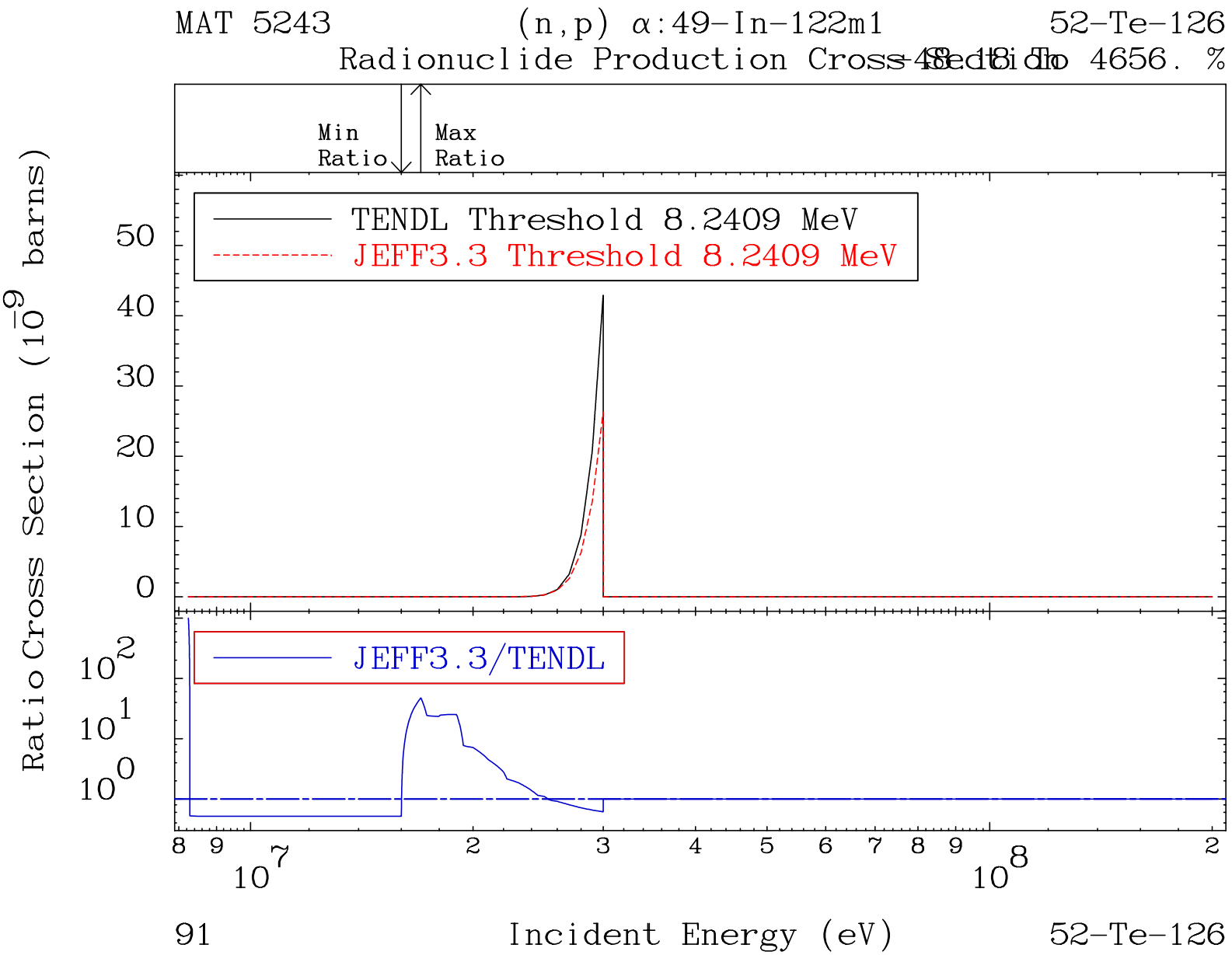

MAT 5243
(n,2α):48-Cd-119g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8887 MeV
JEFF3.3 Threshold 2.8897 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
1.0
0.8
0.6
0.4
0.2
0.0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
86
Incident Energy (eV)
52-Te-126

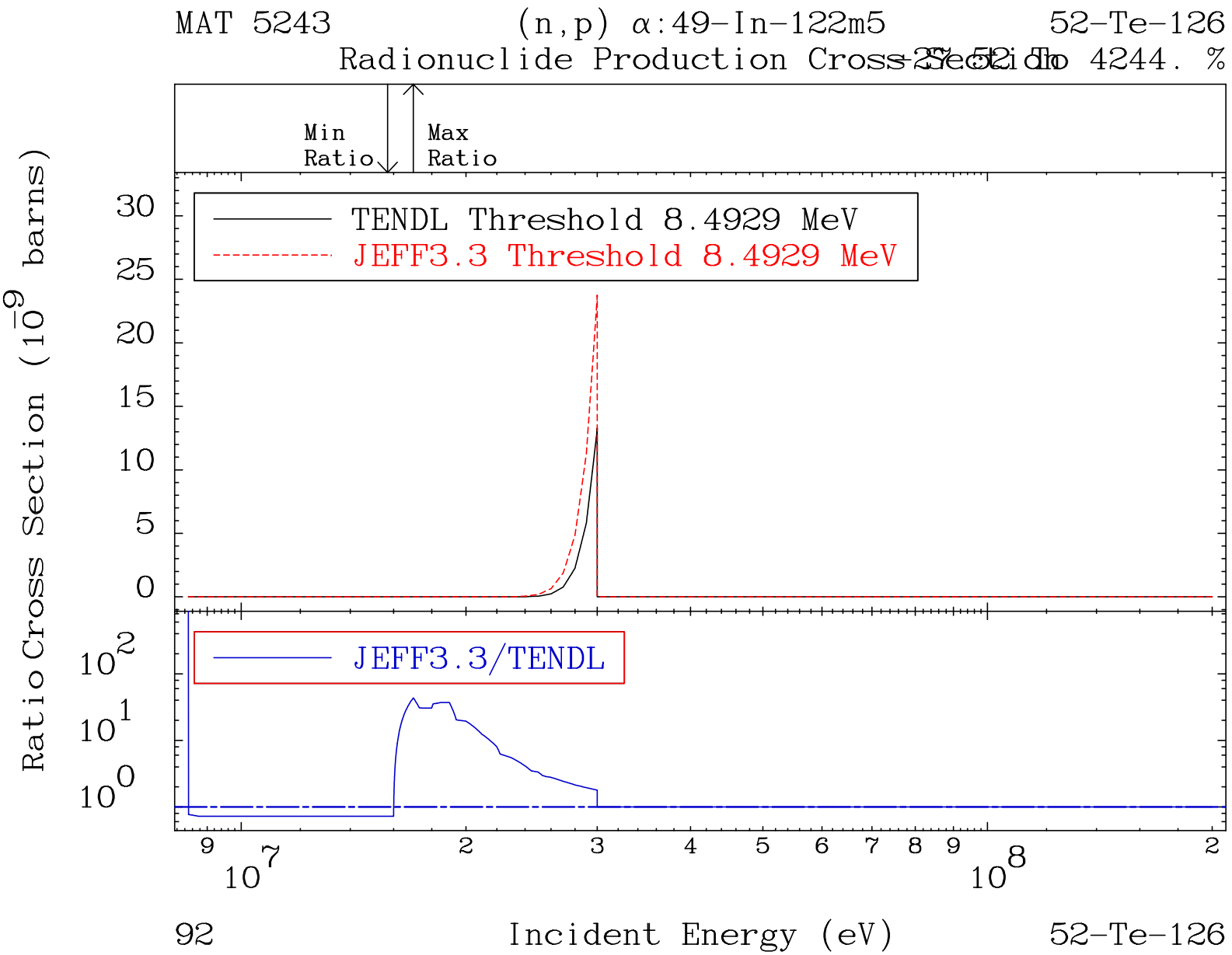

MAT 5243
(n,2α):48-Cd-119m2
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.0364 MeV
JEFF3.3 Threshold 3.0374 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
1.6
1.2
0.8
0.4
0.0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
87
Incident Energy (eV)
52-Te-126

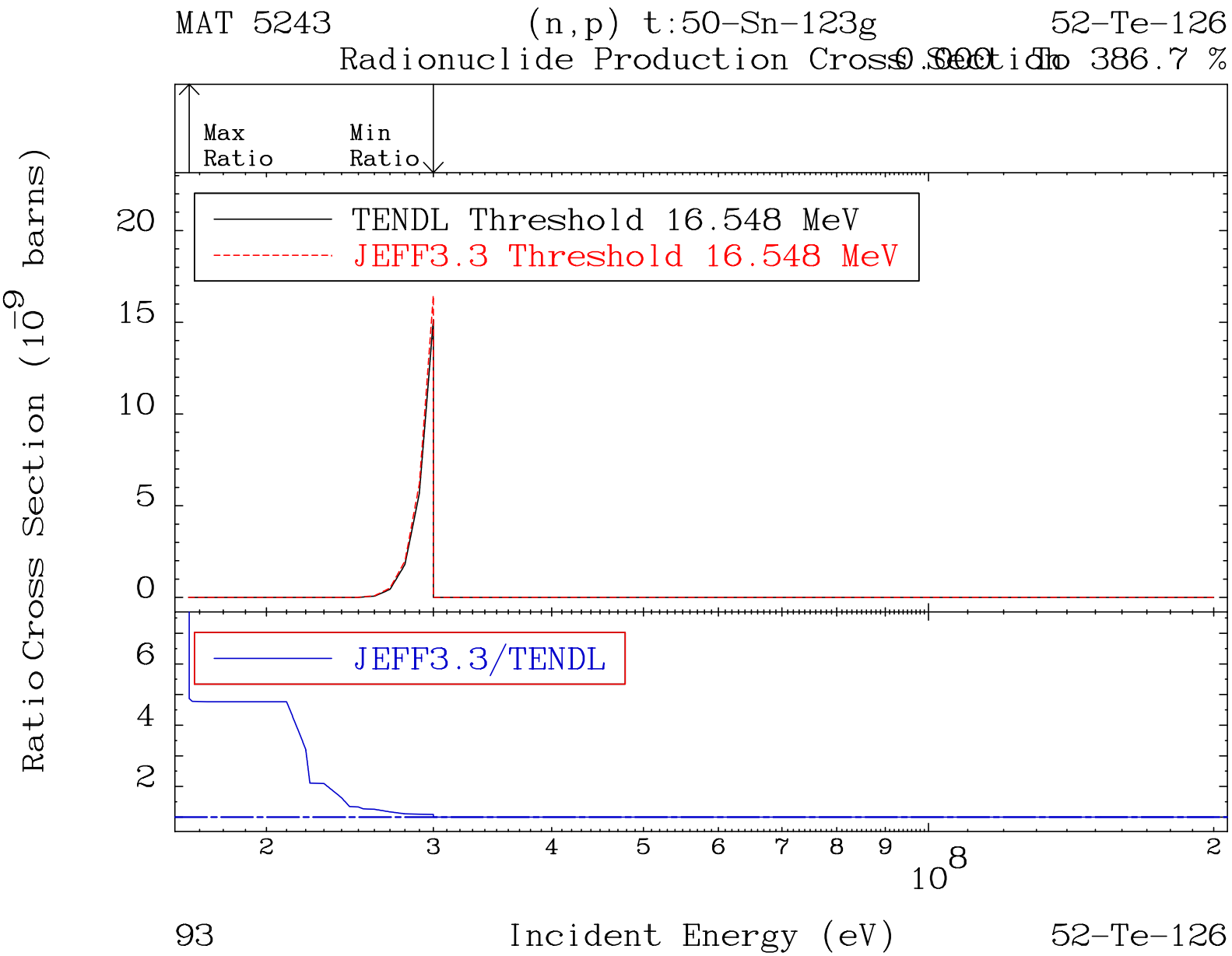

MAT 5243
(n,2p):50-Sn-125g
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.763 MeV
JEFF3.3 Threshold 10.761 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
88
52-Te-126

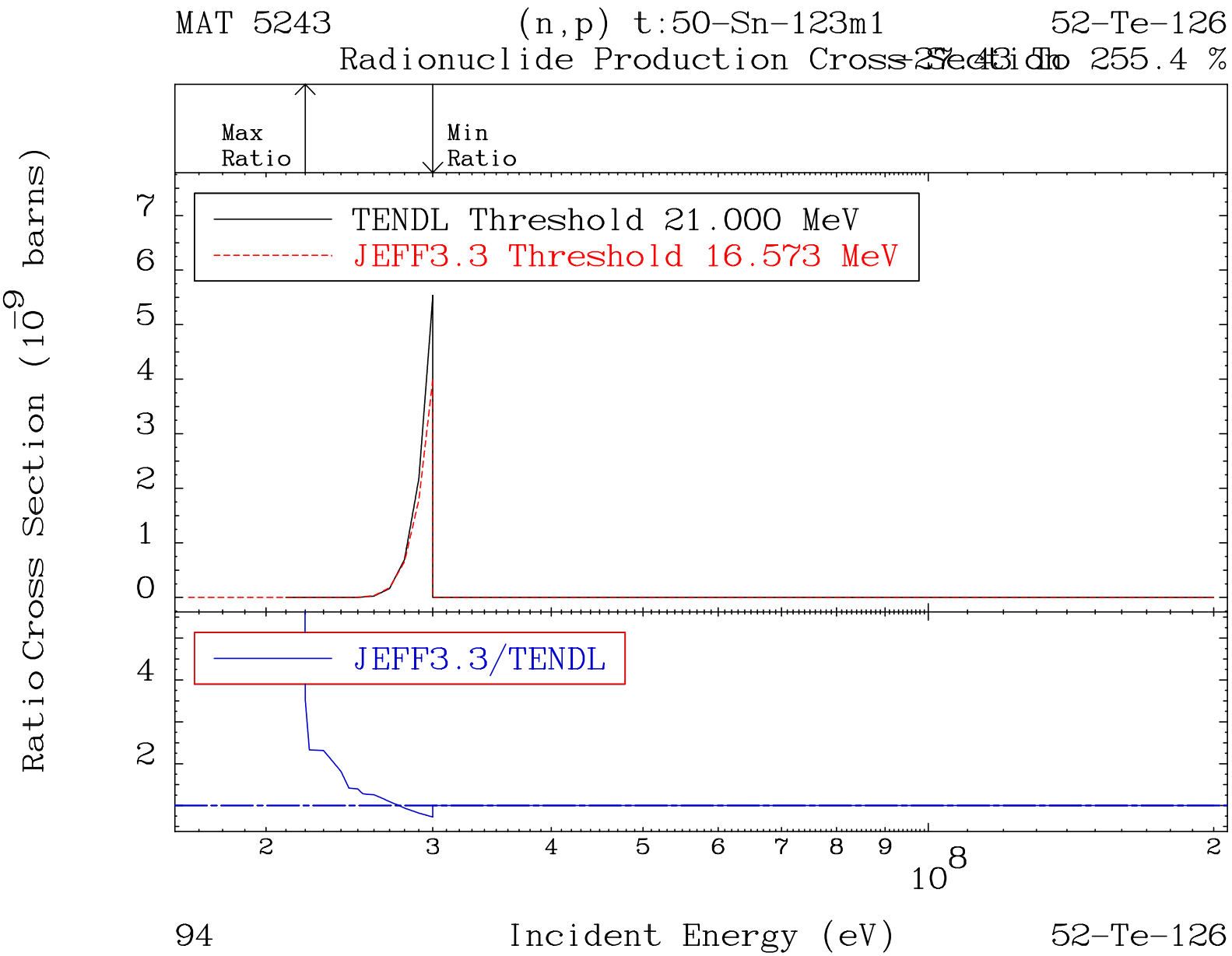

MAT 5243
(n,2p):50-Sn-125m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 14.000 MeV
JEFF3.3 Threshold 14.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
1.1
1.0
0.9
0.8
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
52-Te-126


MAT 5243
(n,p) α:49-In-122g
52-Te-126
Radionuclide Production Cross Section To 6412. %
Min Ratio
Max Ratio
TENDL Threshold 8.2005 MeV
JEFF3.3 Threshold 8.2005 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
90
52-Te-126


MAT 5243
(n,p) α:49-In-122m1
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.2409 MeV
JEFF3.3 Threshold 8.2409 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
91
52-Te-126


MAT 5243
(n,p) α:49-In-122m5
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.4929 MeV
JEFF3.3 Threshold 8.4929 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
92
52-Te-126


MAT 5243
(n,p) t:50-Sn-123g
52-Te-126
Radionuclide Production Cross Section
0.000 To 386.7 %
Max Ratio
Min Ratio
TENDL Threshold 16.548 MeV
JEFF3.3 Threshold 16.548 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
20
15
10
5
0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
52-Te-126


MAT 5243
(n,p) t:50-Sn-123m1
52-Te-126
Radionuclide Production Cross Section To 255.4 %
Max Ratio
Min Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 16.573 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
94
52-Te-126