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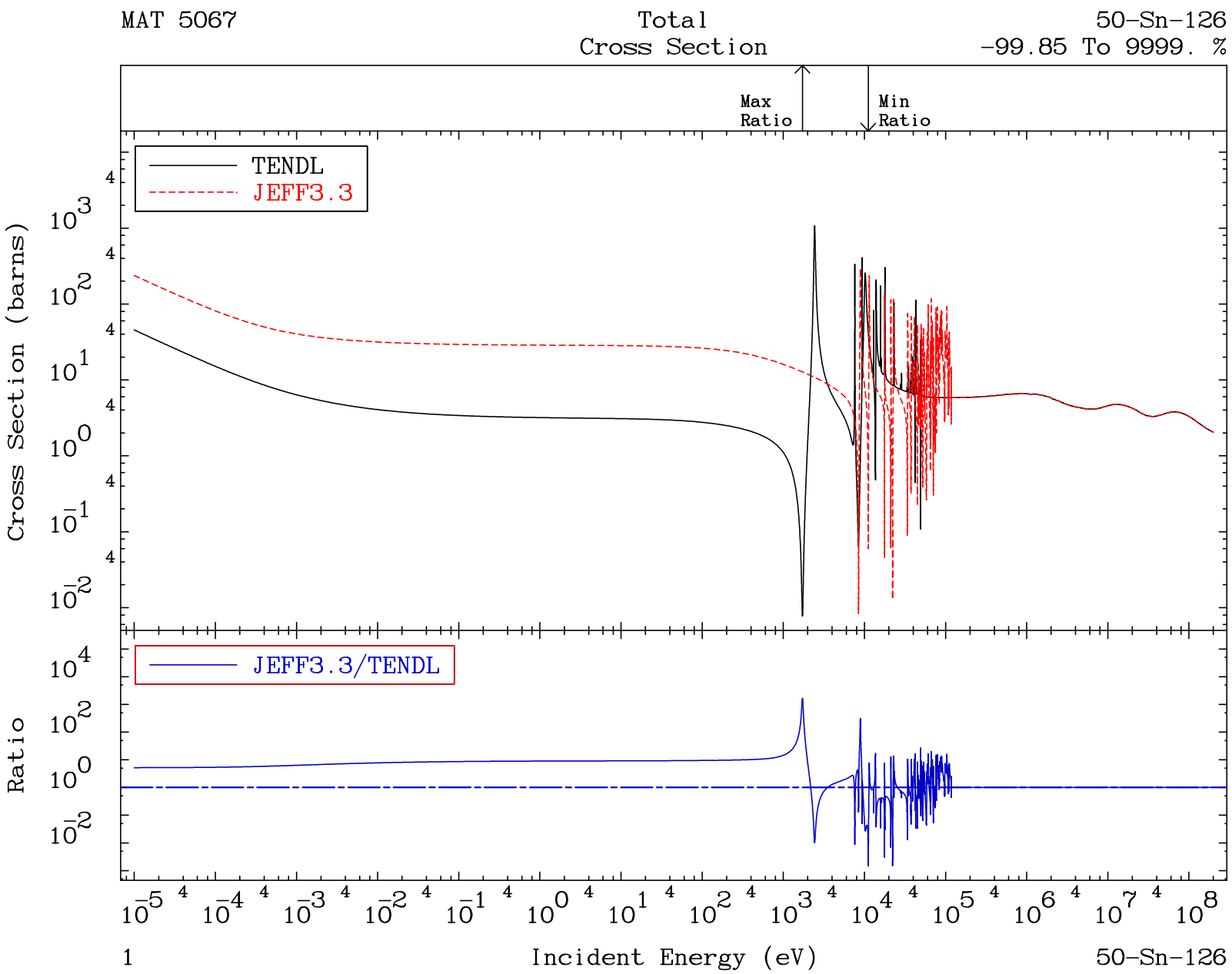
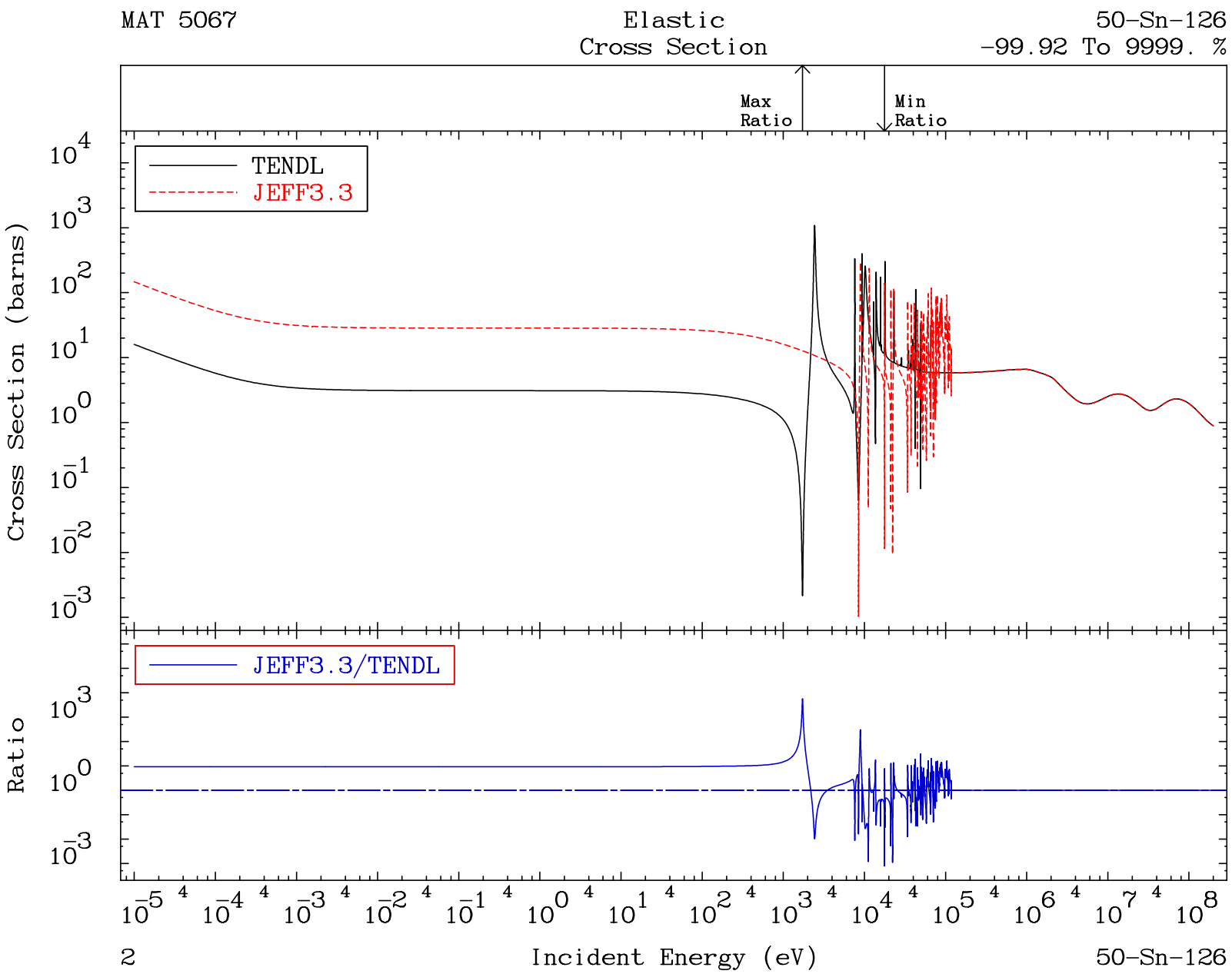
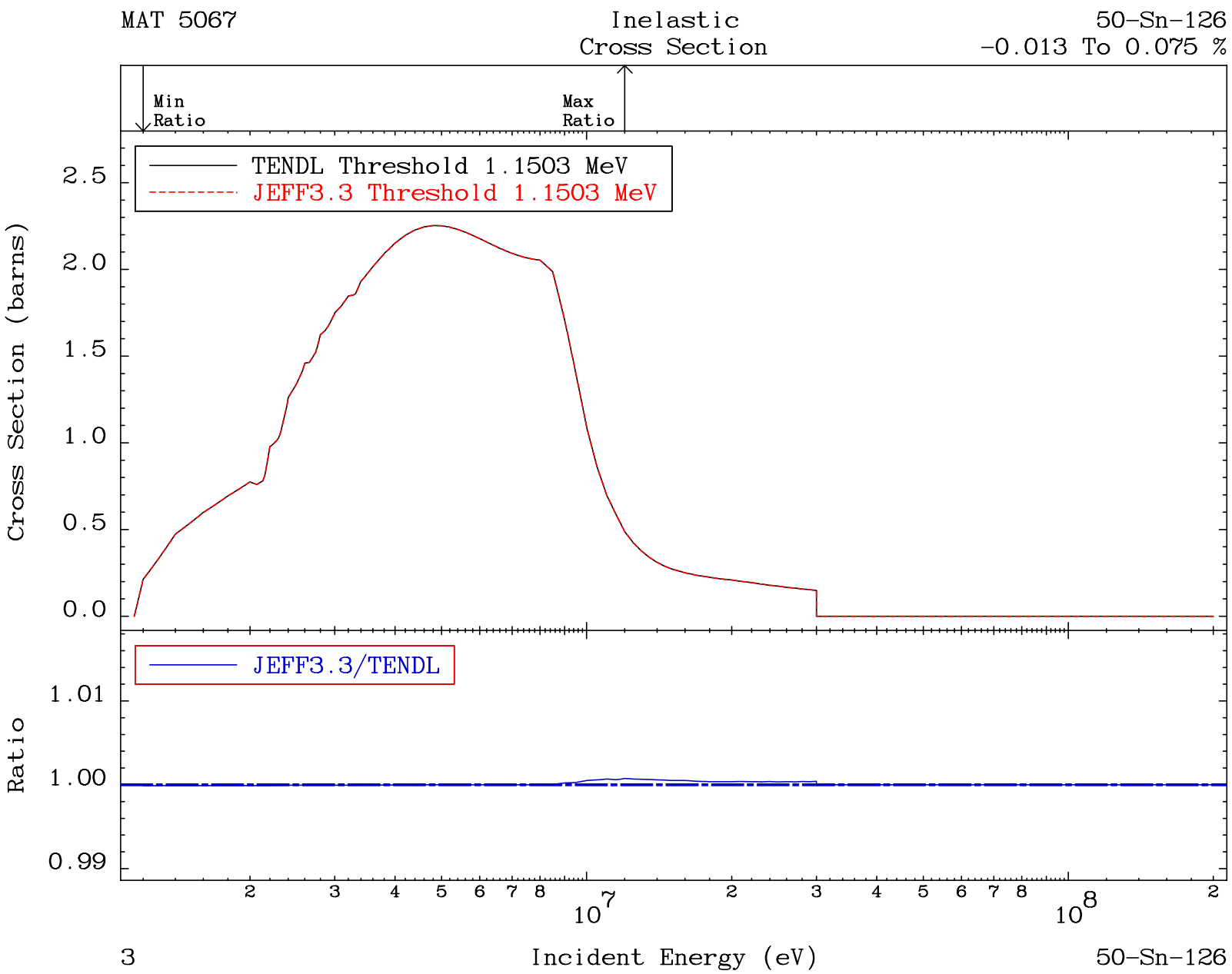
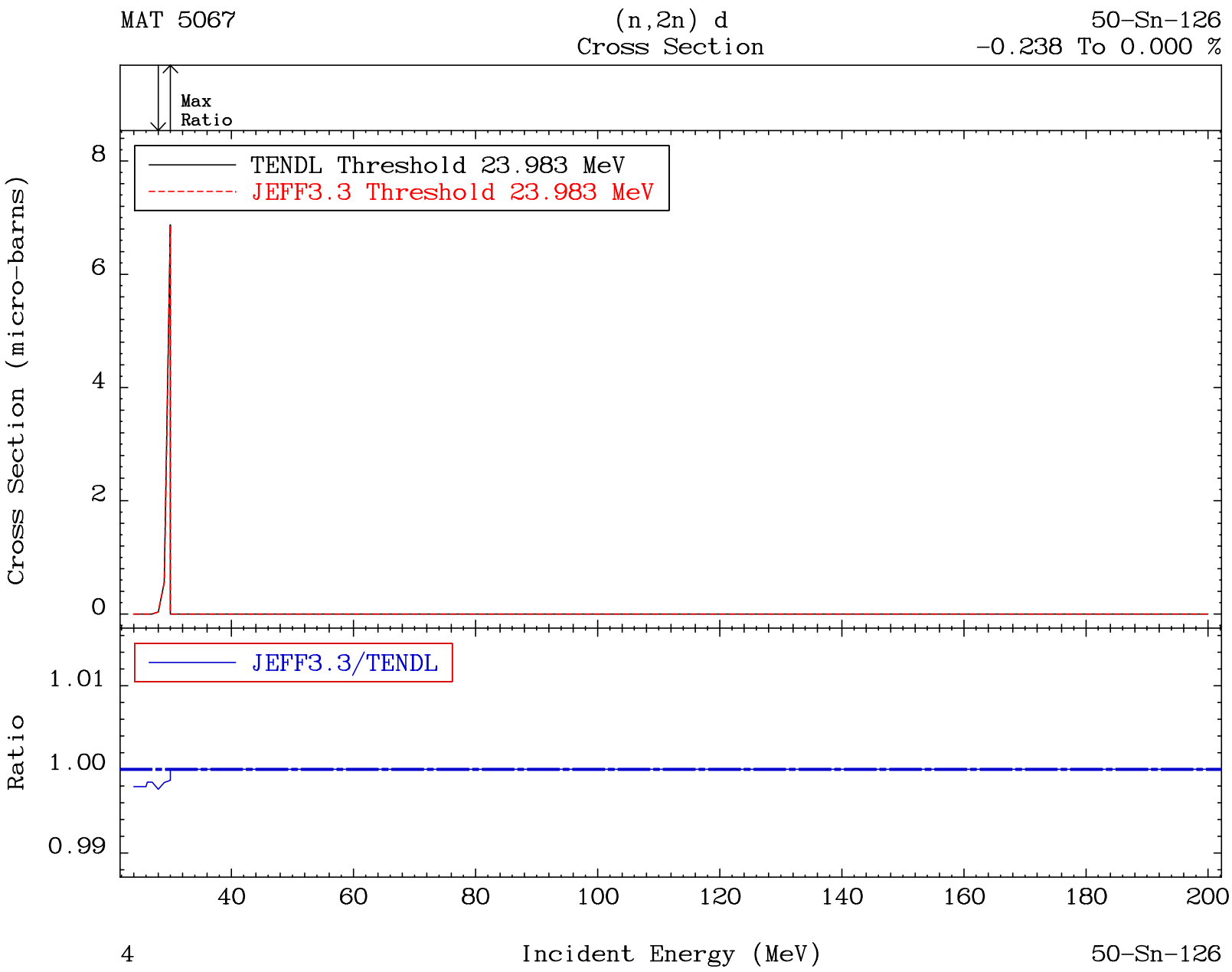
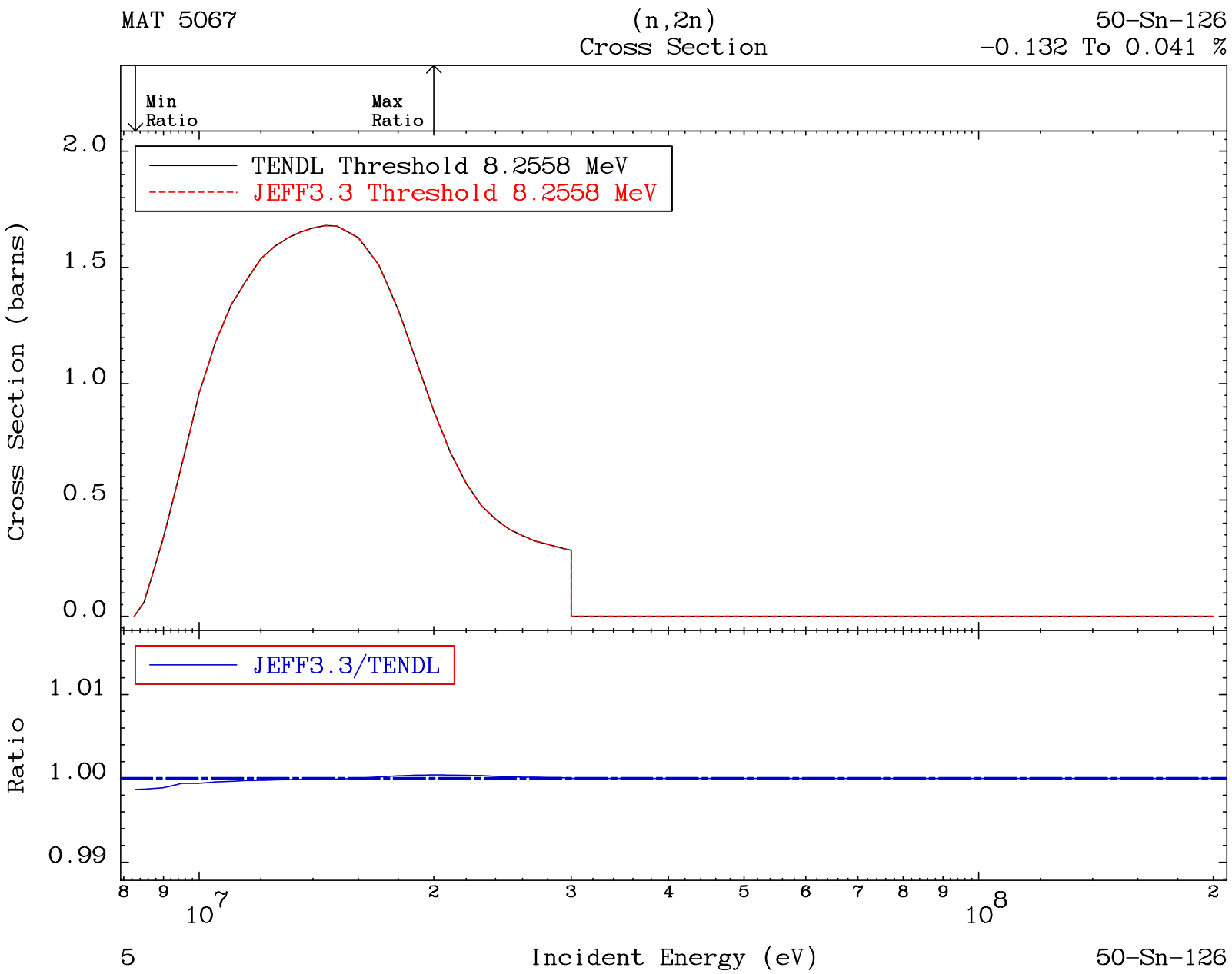
Press Mouse Button to Start

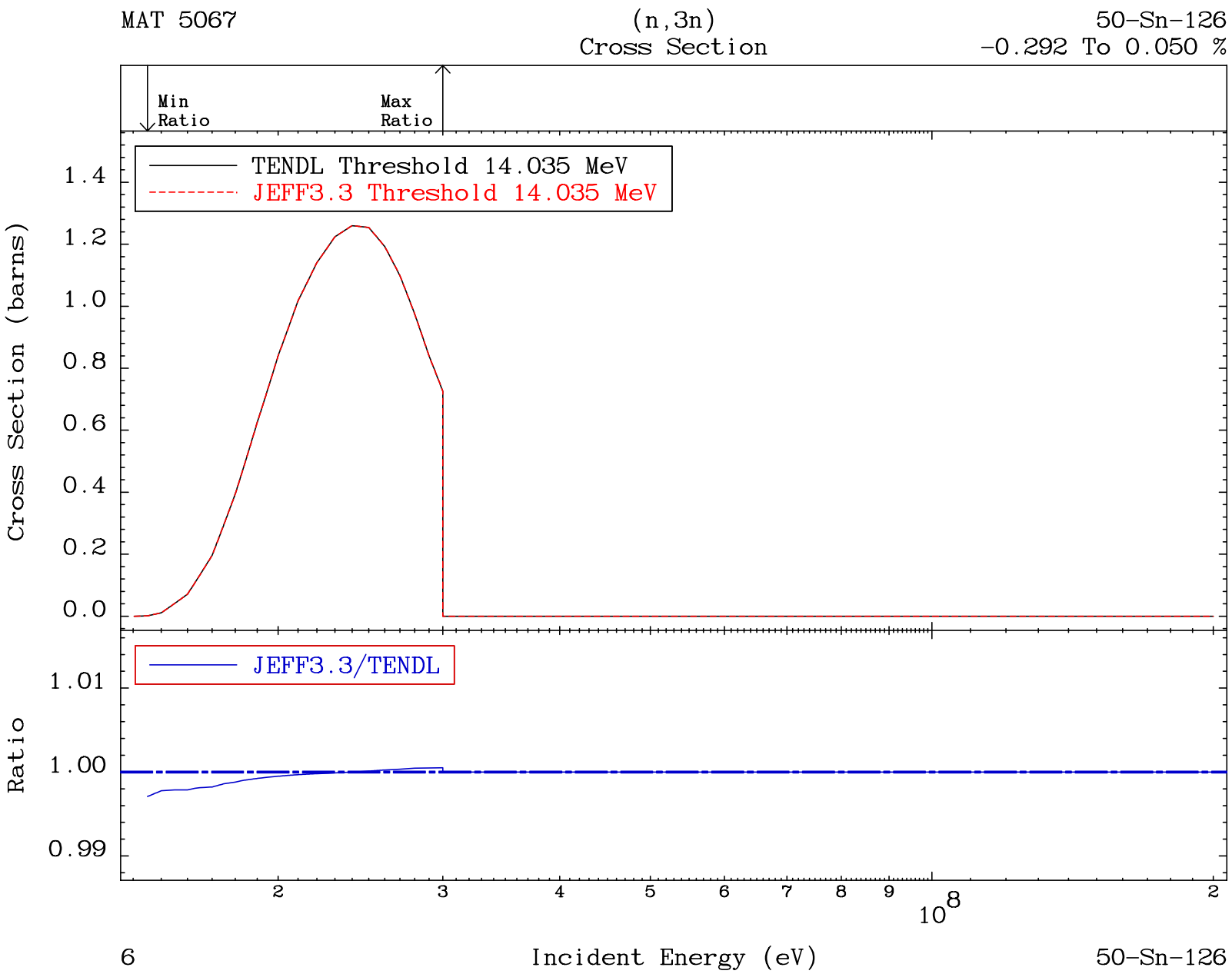

MAT 5067
Total
Cross Section
50-Sn-126
-99.85 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
50-Sn-126

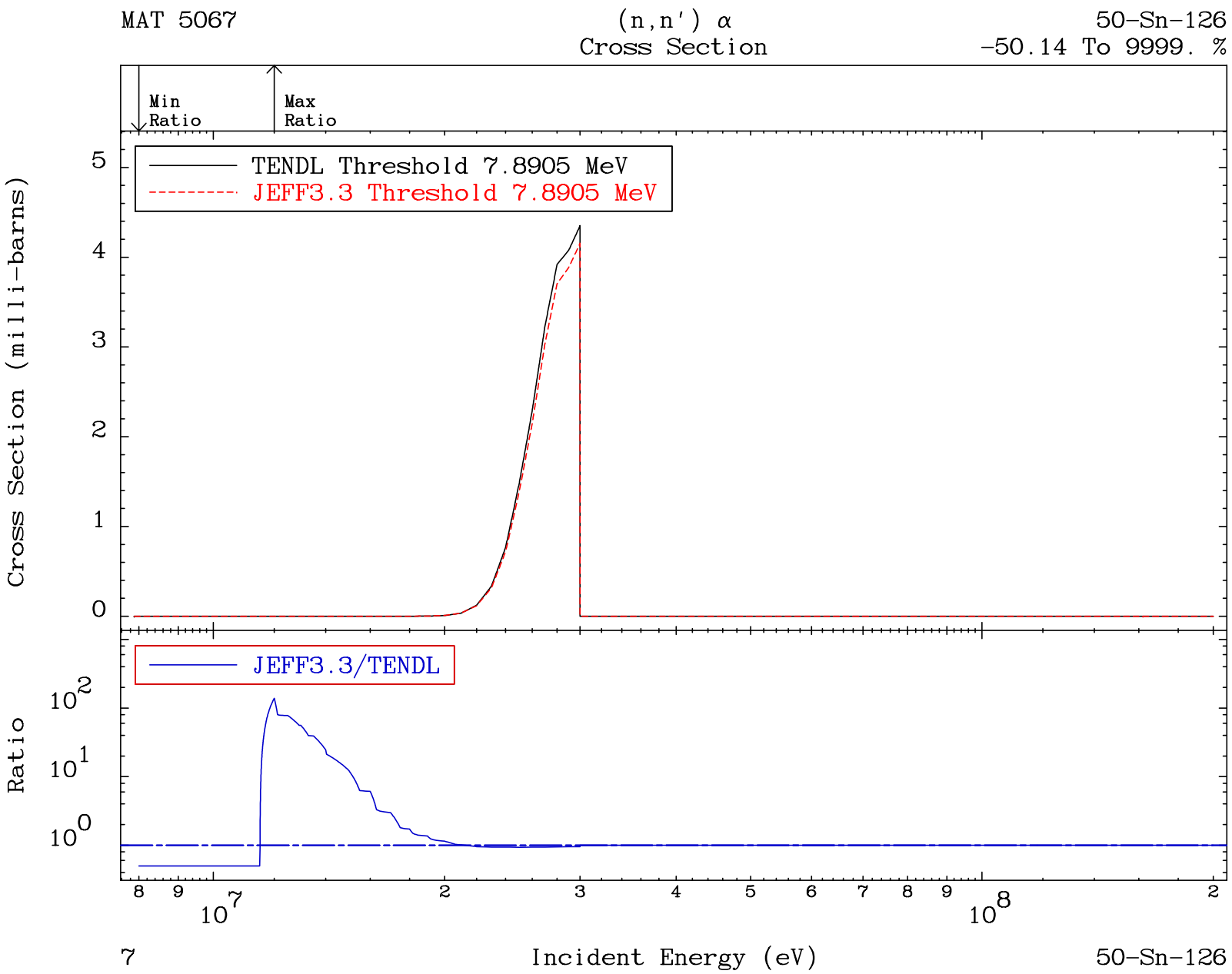

MAT 5067
Elastic
Cross Section
50-Sn-126
-99.92 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
50-Sn-126

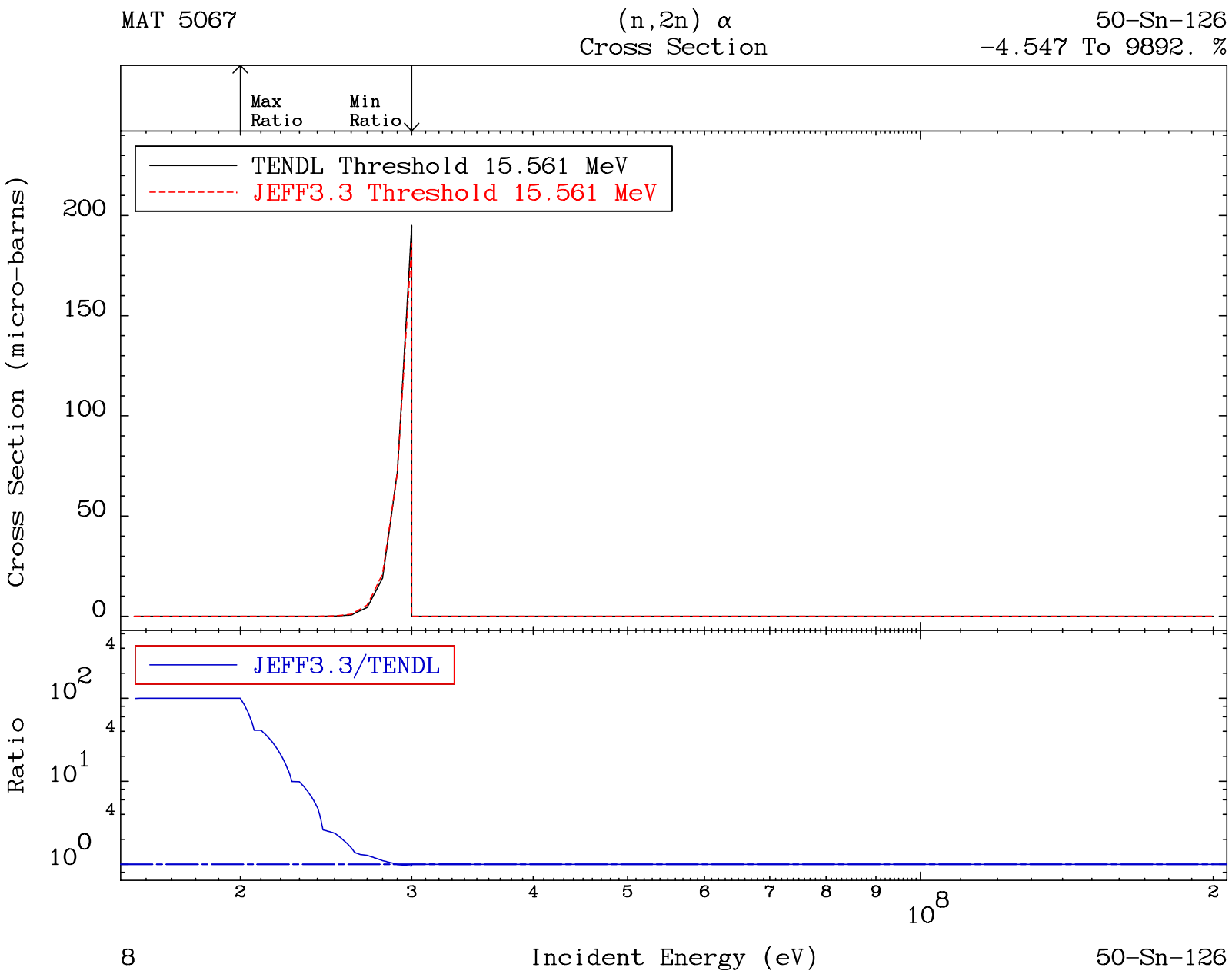

MAT 5067
Inelastic
Cross Section
50-Sn-126
-0.013 To 0.075 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1503 MeV
JEFF3.3 Threshold 1.1503 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
50-Sn-126

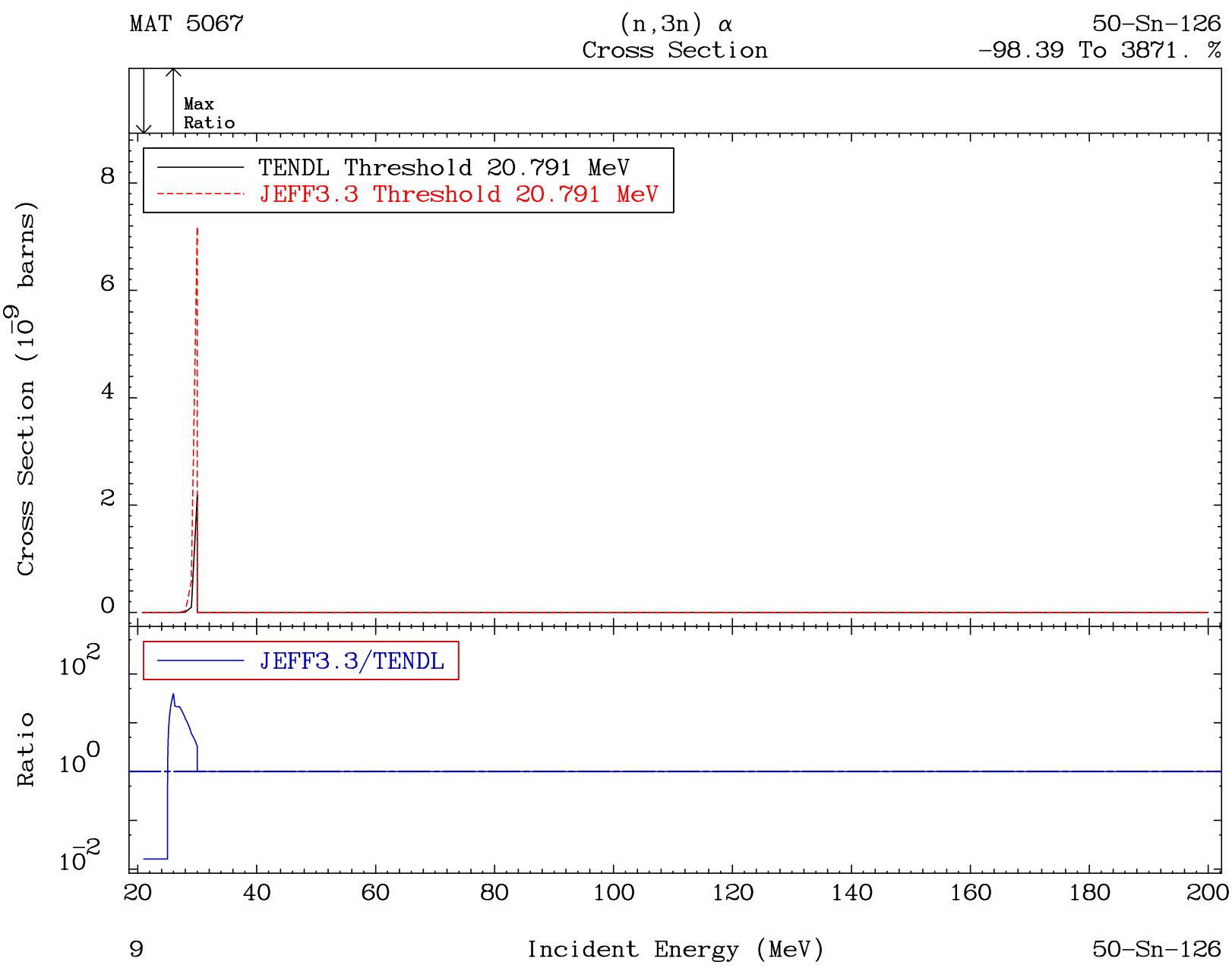

MAT 5067
(n,2n) d
Cross Section
50-Sn-126
-0.238 To 0.000 %
Max
Ratio
TENDL Threshold 23.983 MeV
JEFF3.3 Threshold 23.983 MeV
Cross Section (micro-barns)
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
50-Sn-126

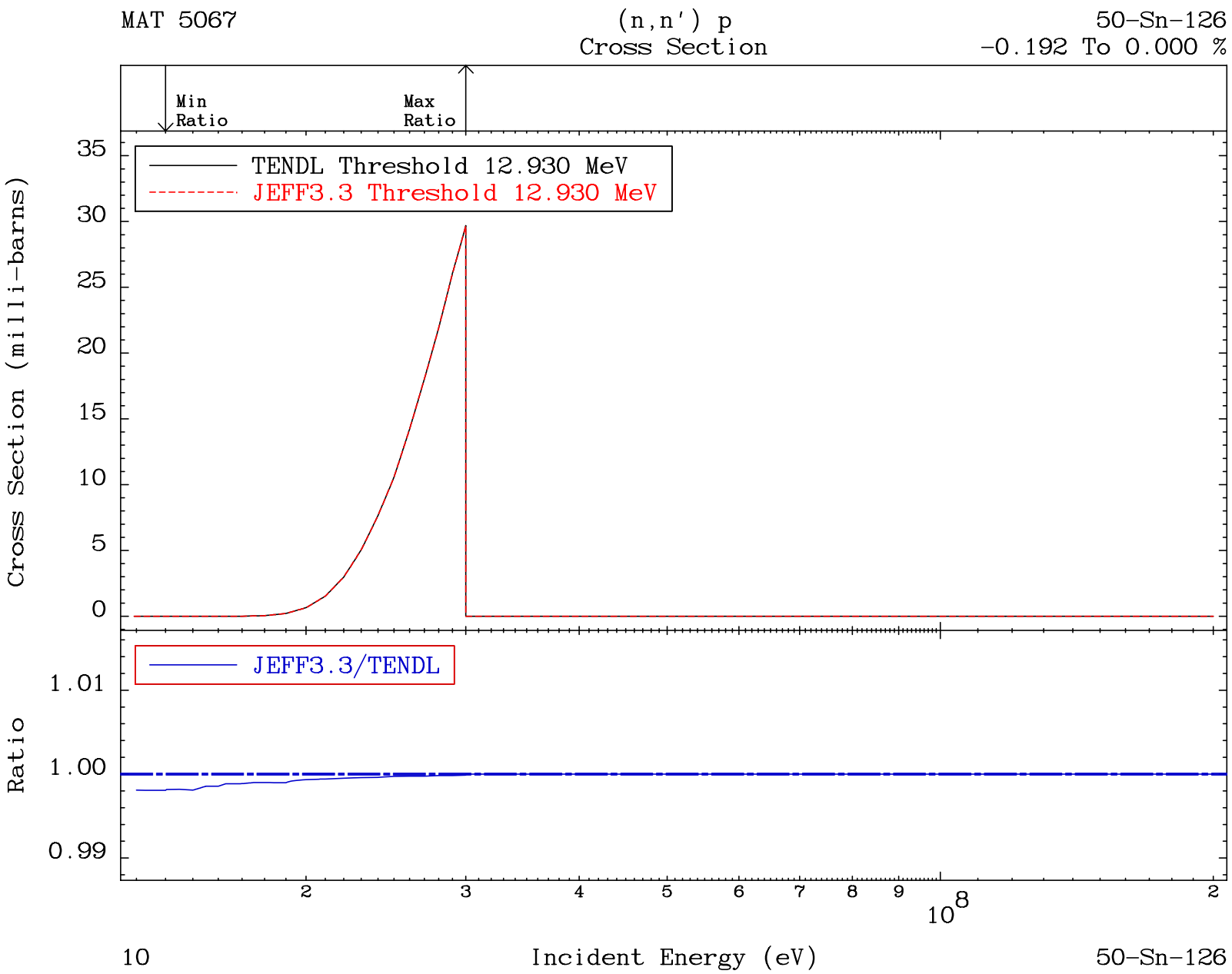

MAT 5067
(n,2n)
Cross Section
50-Sn-126
-0.132 To 0.041 %
Min Ratio
Max Ratio
TENDL Threshold 8.2558 MeV
JEFF3.3 Threshold 8.2558 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
50-Sn-126

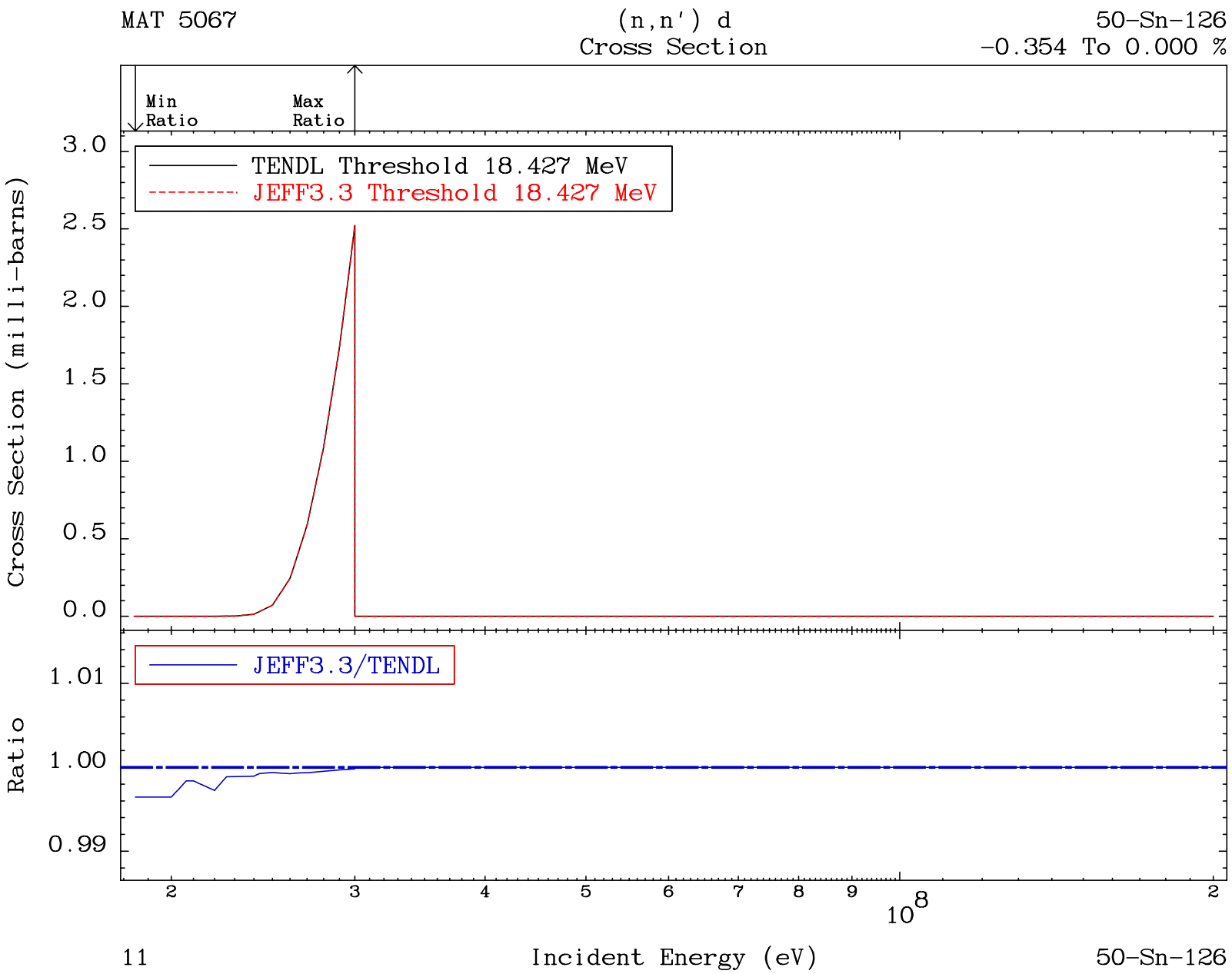

MAT 5067
(n,3n)
Cross Section
50-Sn-126
-0.292 To 0.050 %
Min Ratio
Max Ratio
TENDL Threshold 14.035 MeV
JEFF3.3 Threshold 14.035 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-126

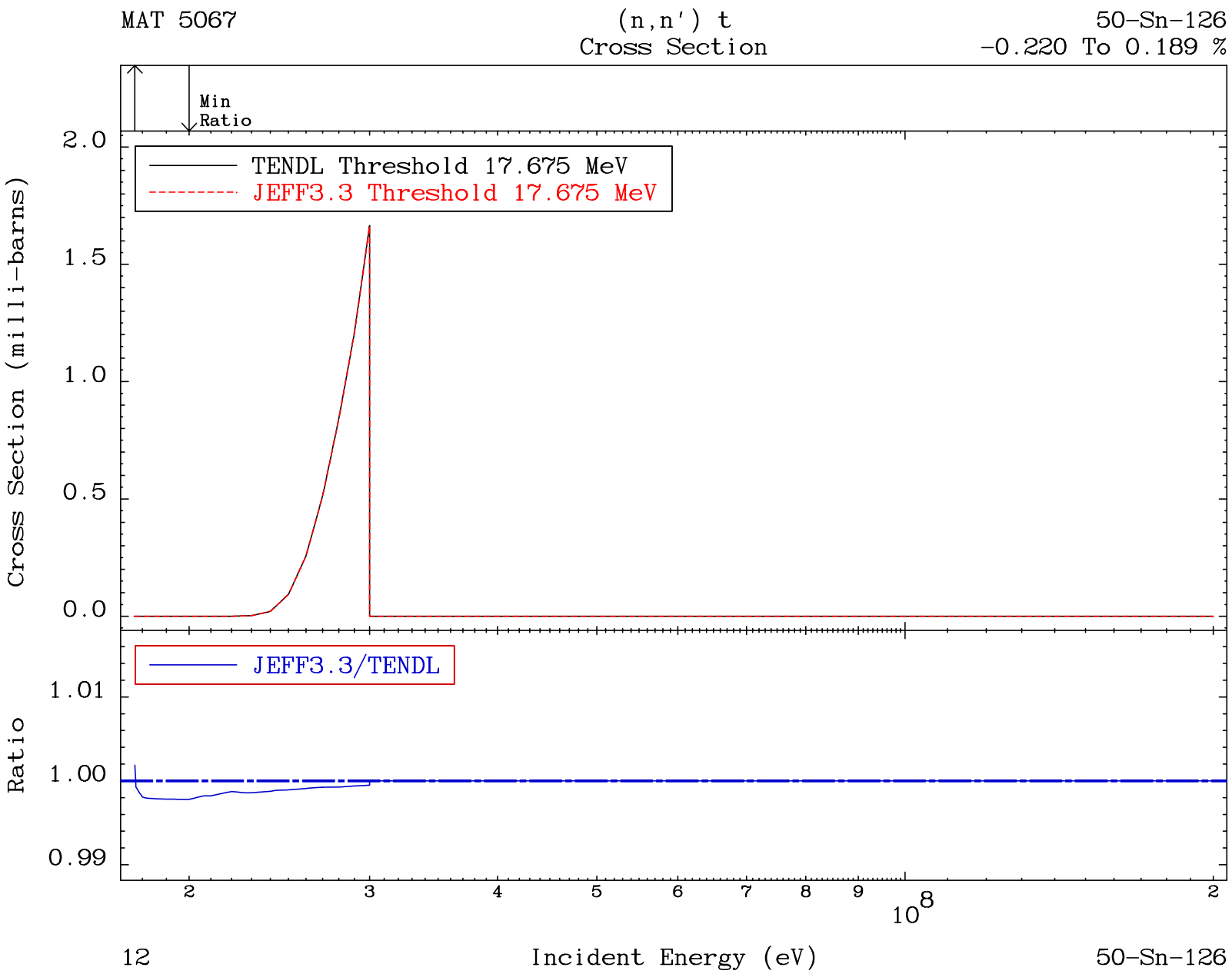

MAT 5067
(n,n') α
Cross Section
50-Sn-126
-50.14 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.8905 MeV
JEFF3.3 Threshold 7.8905 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50-Sn-126

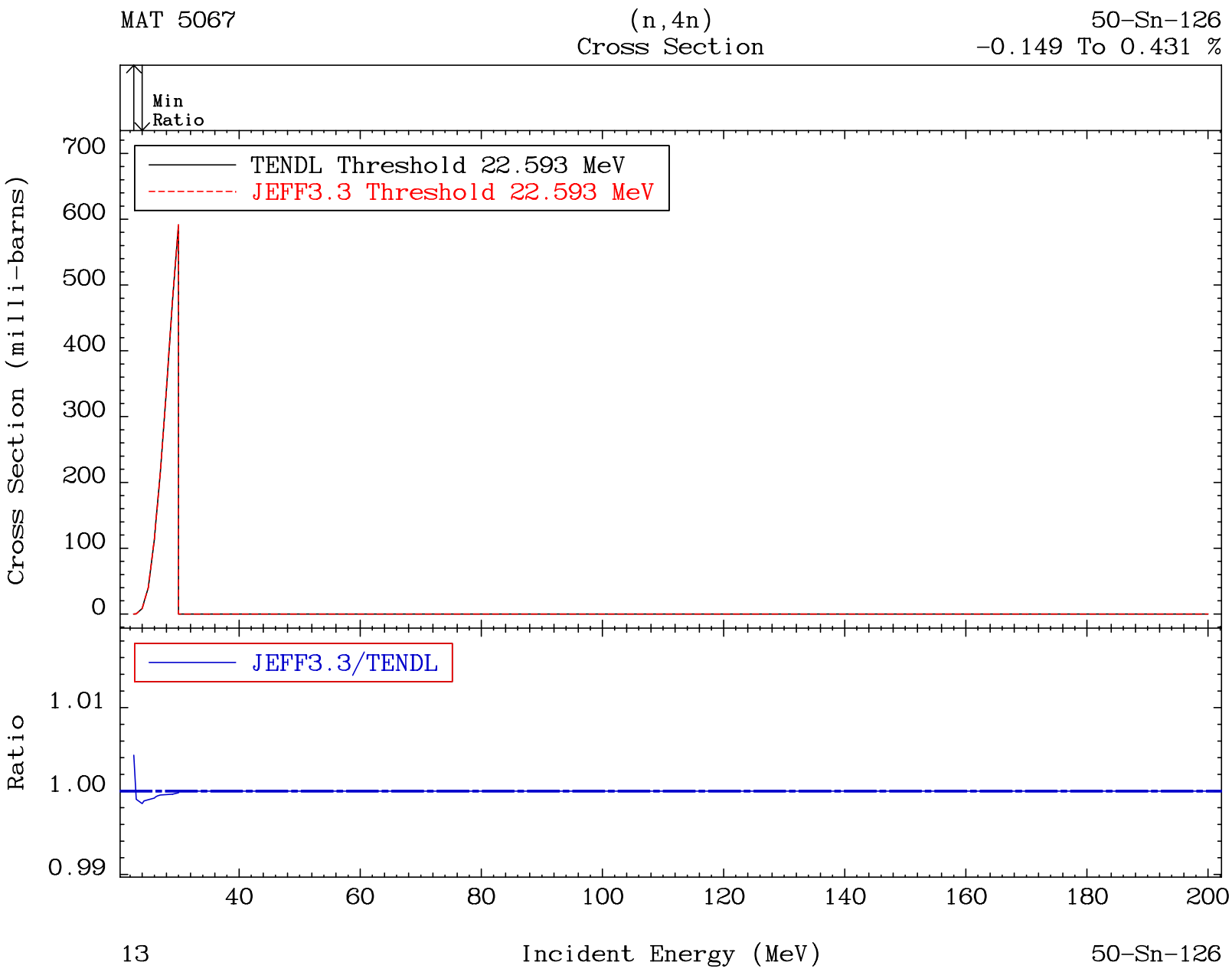

MAT 5067
(n,2n) α
Cross Section
50-Sn-126
-4.547 To 9892. %
Max Ratio
Min Ratio
TENDL Threshold 15.561 MeV
JEFF3.3 Threshold 15.561 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
50-Sn-126

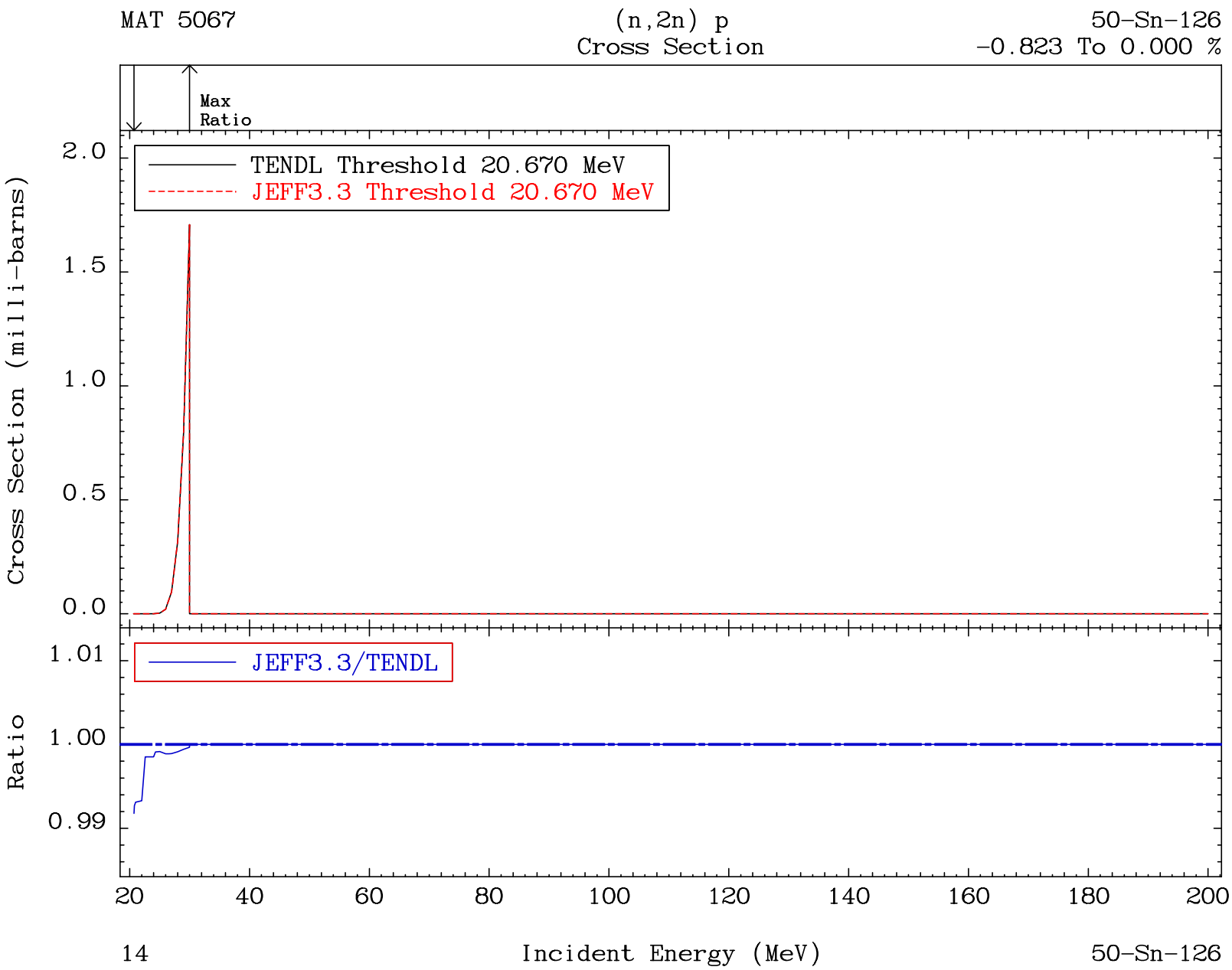

MAT 5067
(n,3n) α
Cross Section
50-Sn-126
-98.39 To 3871. %
Max
Ratio
TENDL Threshold 20.791 MeV
JEFF3.3 Threshold 20.791 MeV
Cross Section (10^-9 barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
20
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
50-Sn-126

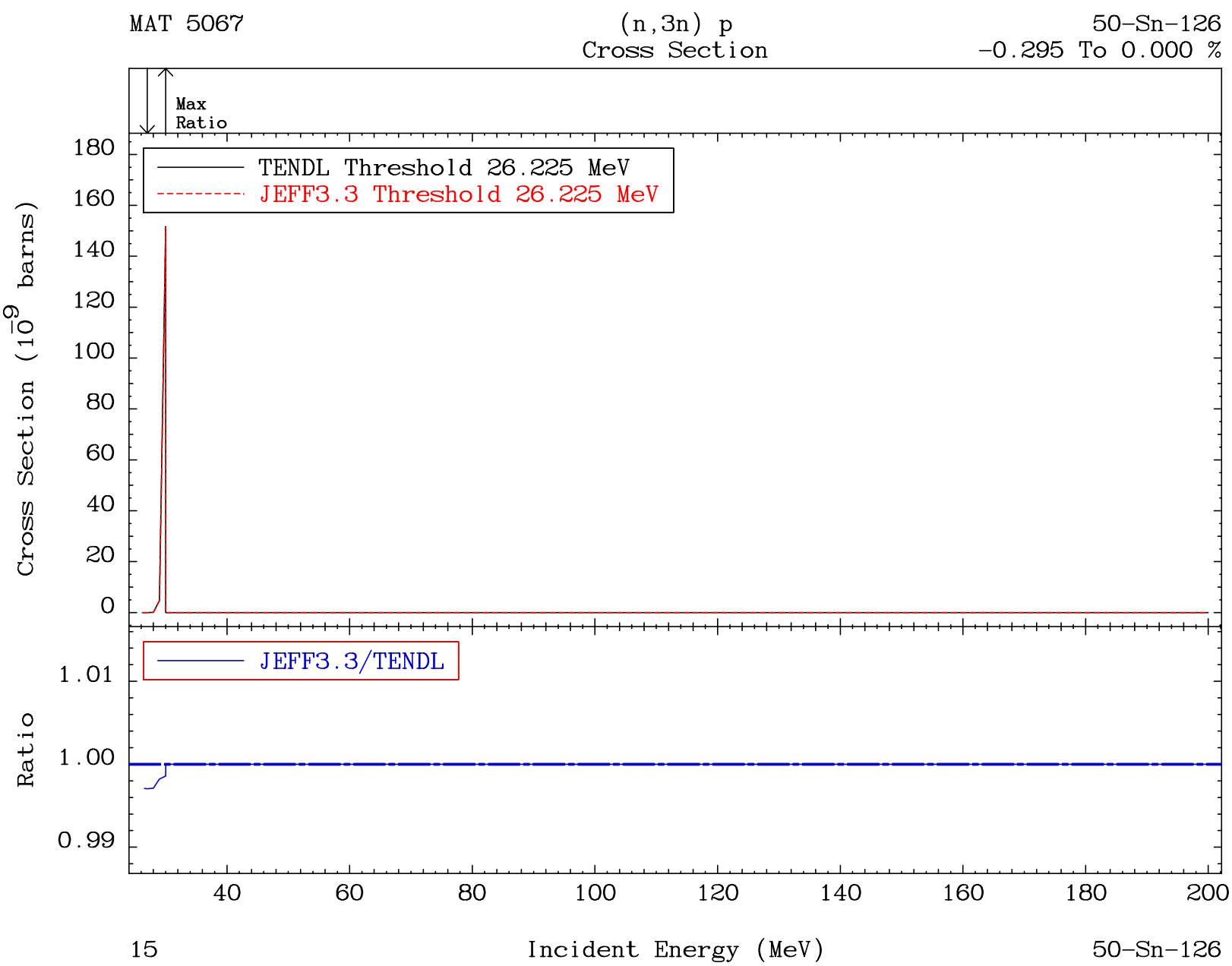

MAT 5067
(n,n') p
Cross Section
50-Sn-126
-0.192 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.930 MeV
JEFF3.3 Threshold 12.930 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
50-Sn-126

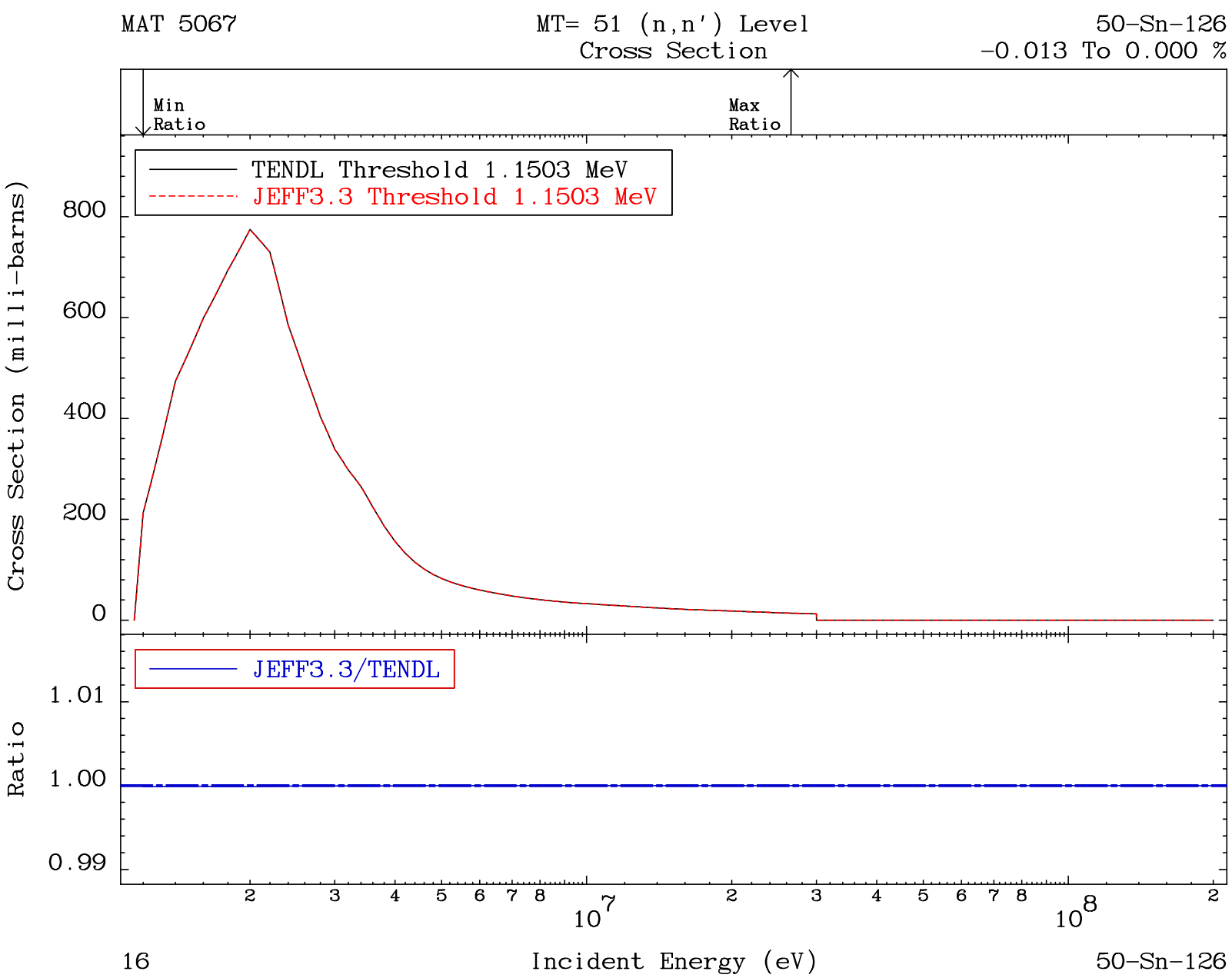

MAT 5067
(n,n') d
Cross Section
50-Sn-126
-0.354 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.427 MeV
JEFF3.3 Threshold 18.427 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
50-Sn-126

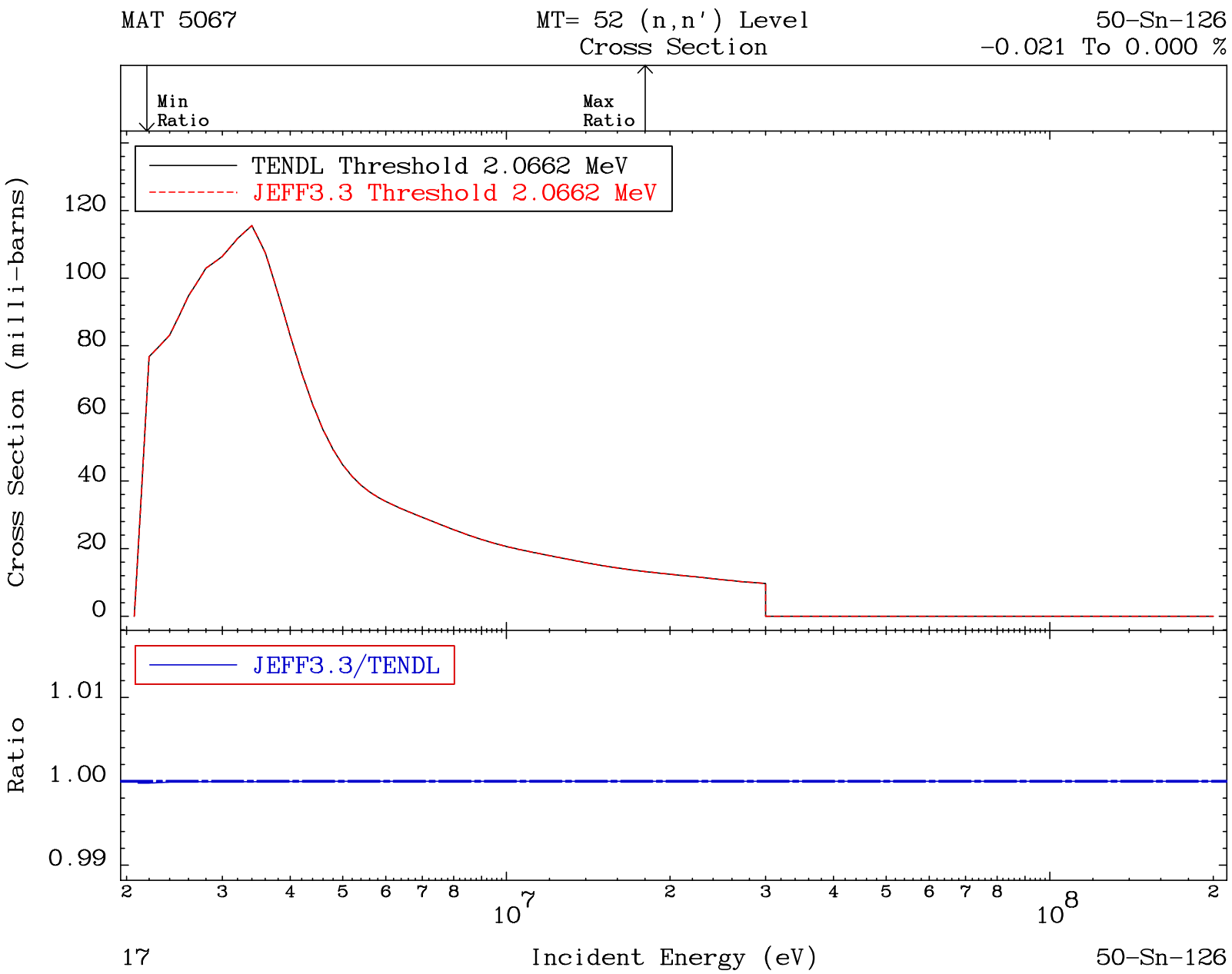

MAT 5067
(n,n') t
Cross Section
50-Sn-126
-0.220 To 0.189 %
Min
Ratio
TENDL Threshold 17.675 MeV
JEFF3.3 Threshold 17.675 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
50-Sn-126

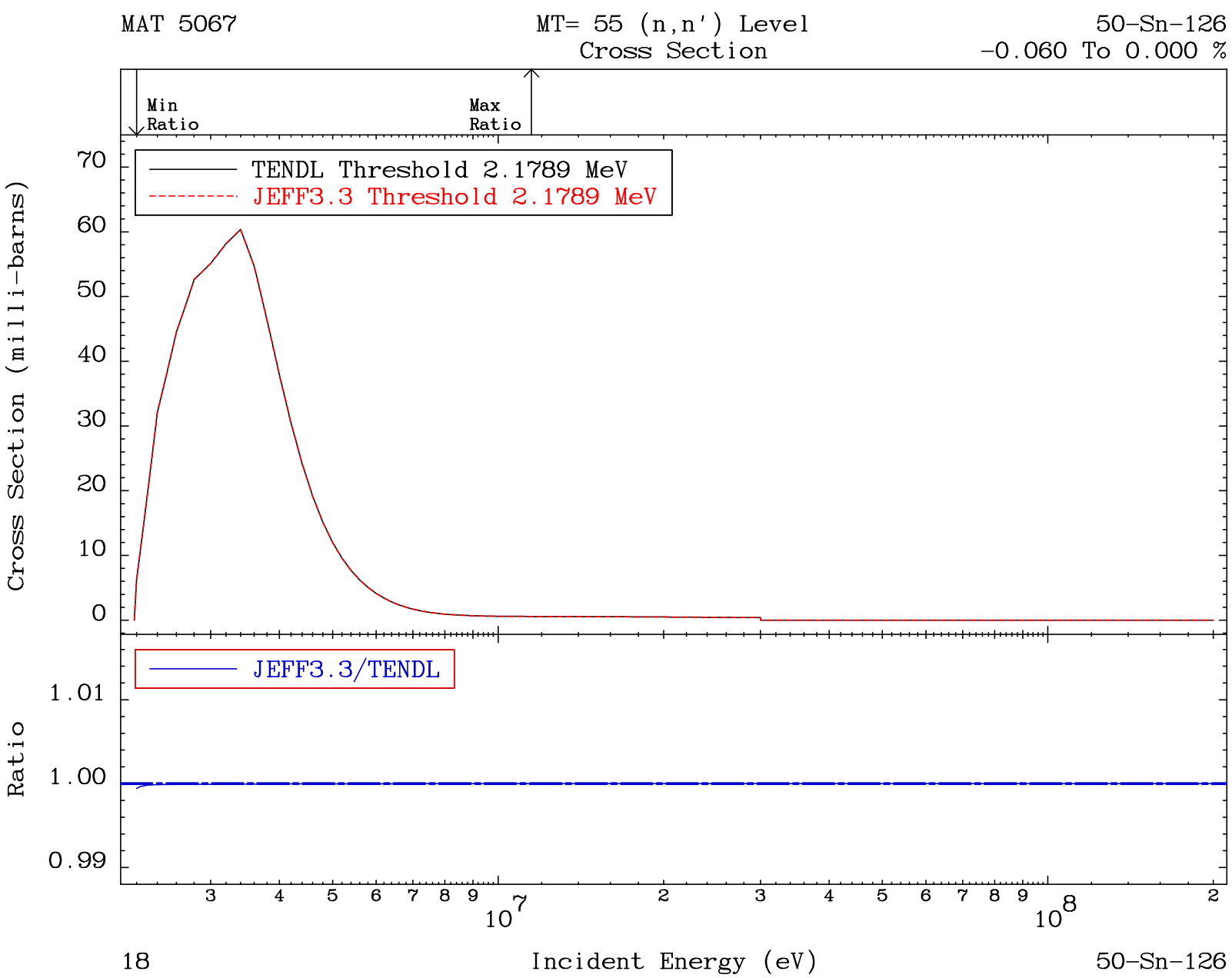

MAT 5067
(n,4n)
Cross Section
50-Sn-126
-0.149 To 0.431 %
Min
Ratio
TENDL Threshold 22.593 MeV
JEFF3.3 Threshold 22.593 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
13
Incident Energy (MeV)
50-Sn-126

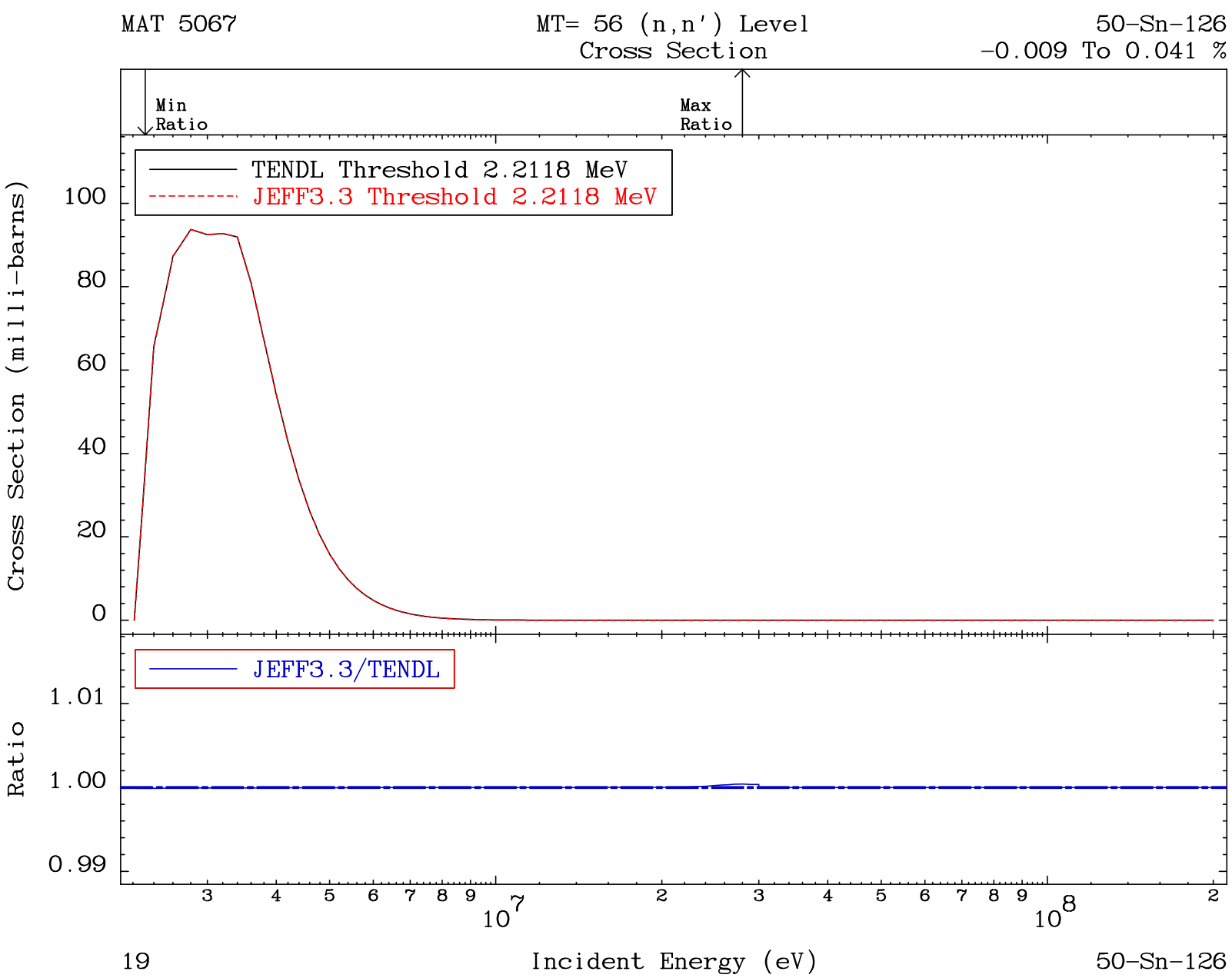

MAT 5067
(n,2n) p
Cross Section
50-Sn-126
-0.823 To 0.000 %
Max
Ratio
TENDL Threshold 20.670 MeV
JEFF3.3 Threshold 20.670 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
50-Sn-126

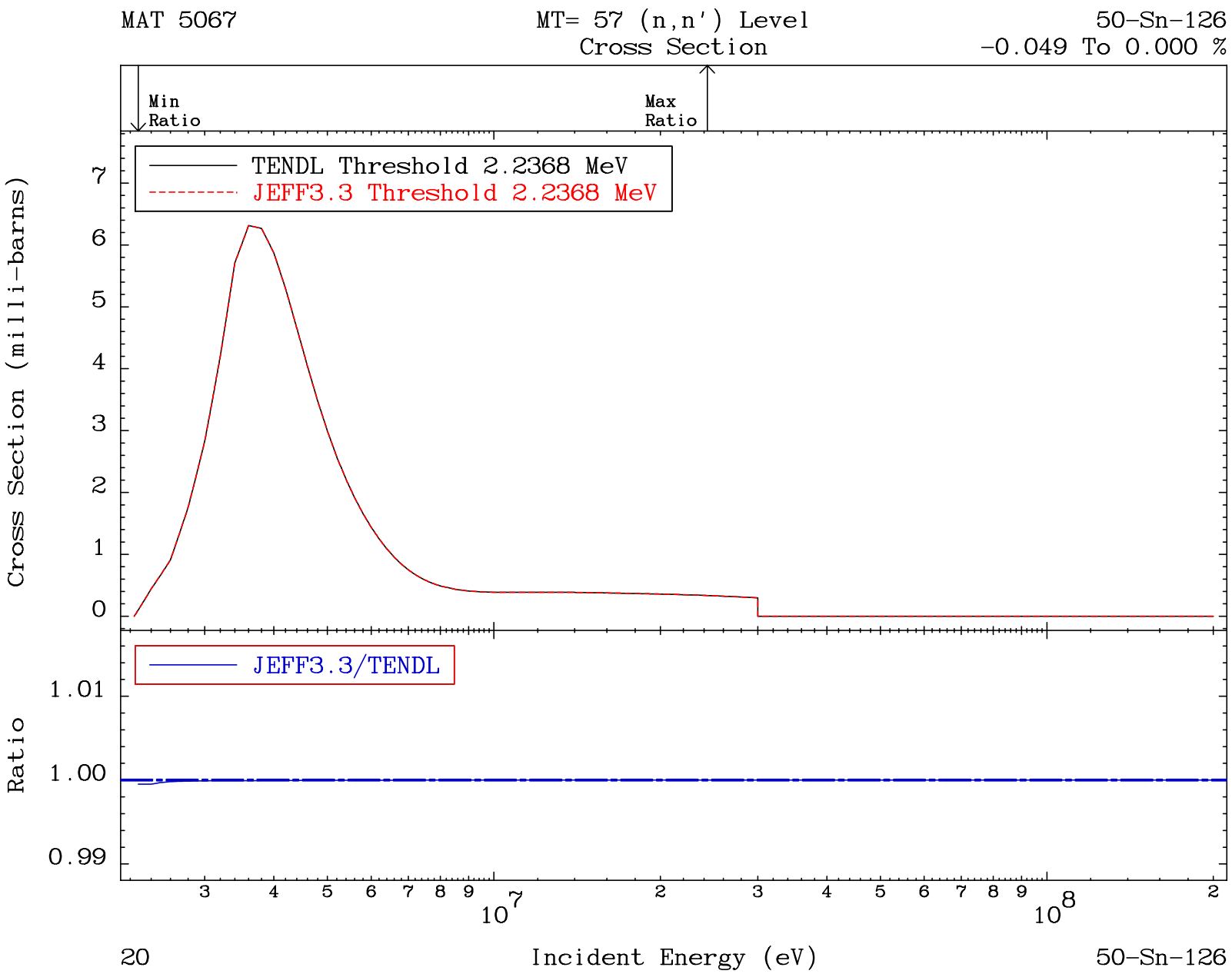

MAT 5067
(n,3n) p
Cross Section
50-Sn-126
-0.295 To 0.000 %
Max
Ratio
TENDL Threshold 26.225 MeV
JEFF3.3 Threshold 26.225 MeV
Cross Section (10^{-9} barns)
180
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
50-Sn-126

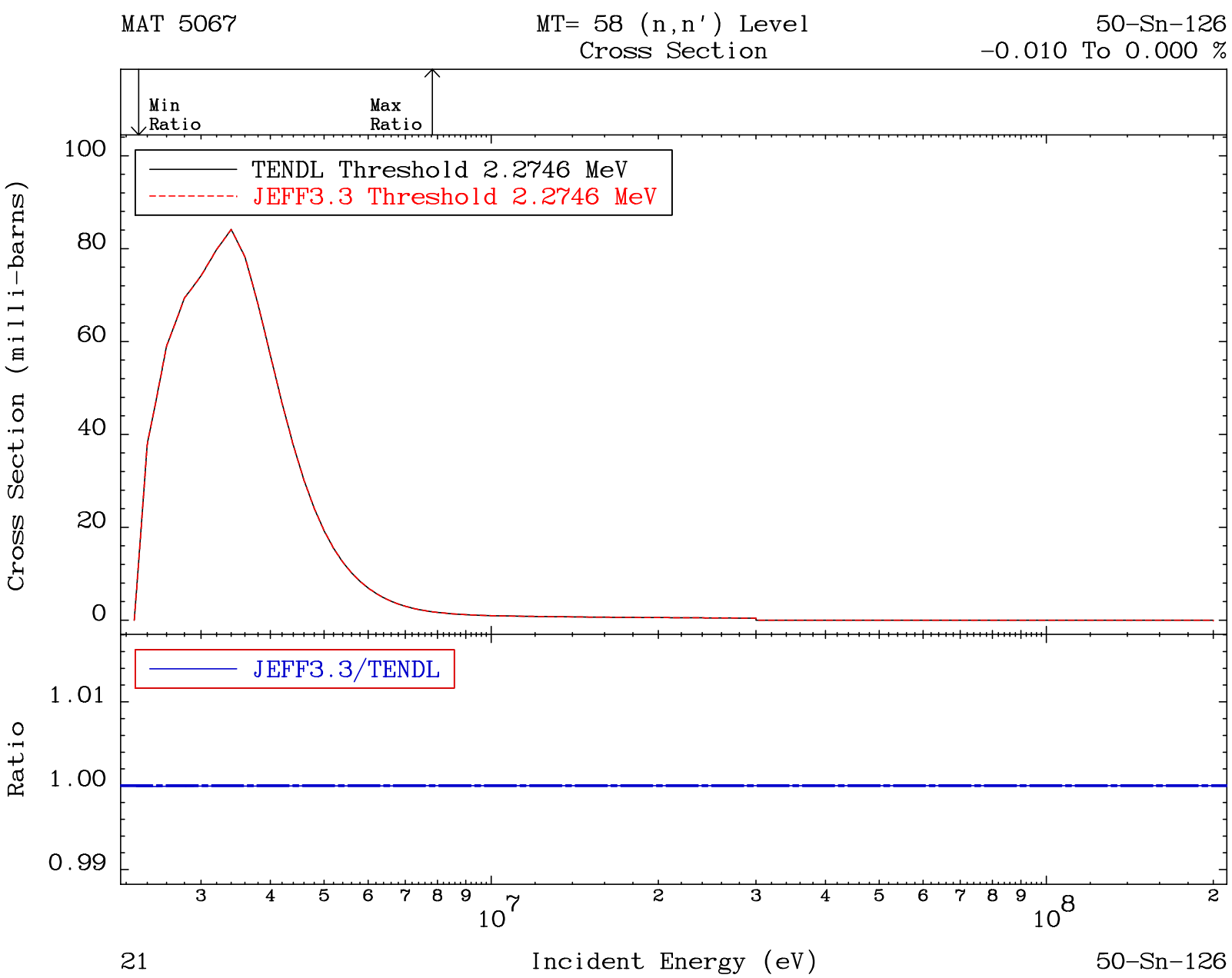

MAT 5067
MT= 51 (n,n') Level
Cross Section
50-Sn-126
-0.013 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1503 MeV
JEFF3.3 Threshold 1.1503 MeV
Cross Section (milli-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
50-Sn-126

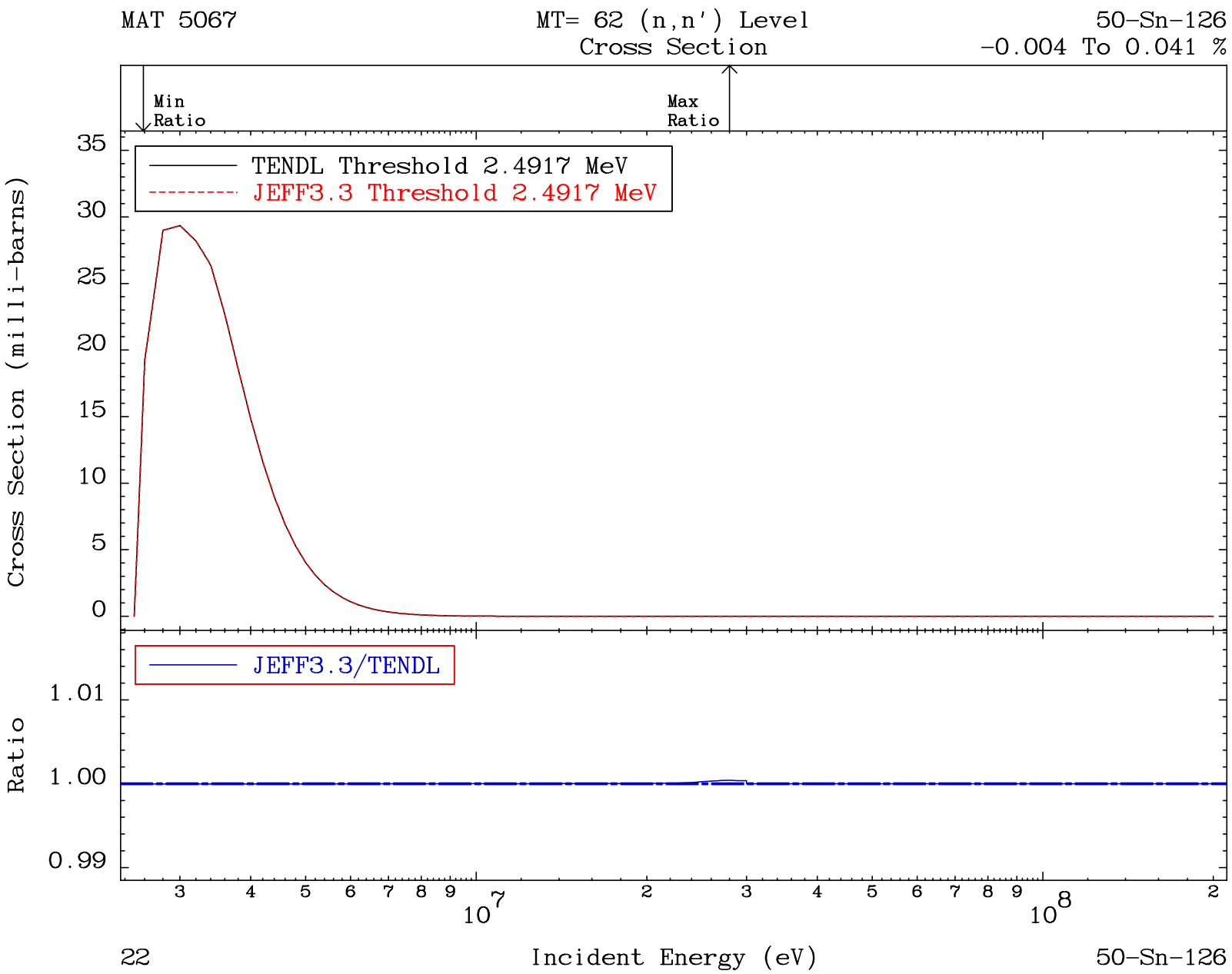

MAT 5067
MT= 52 (n,n') Level
Cross Section
50-Sn-126
-0.021 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0662 MeV
JEFF3.3 Threshold 2.0662 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
50-Sn-126

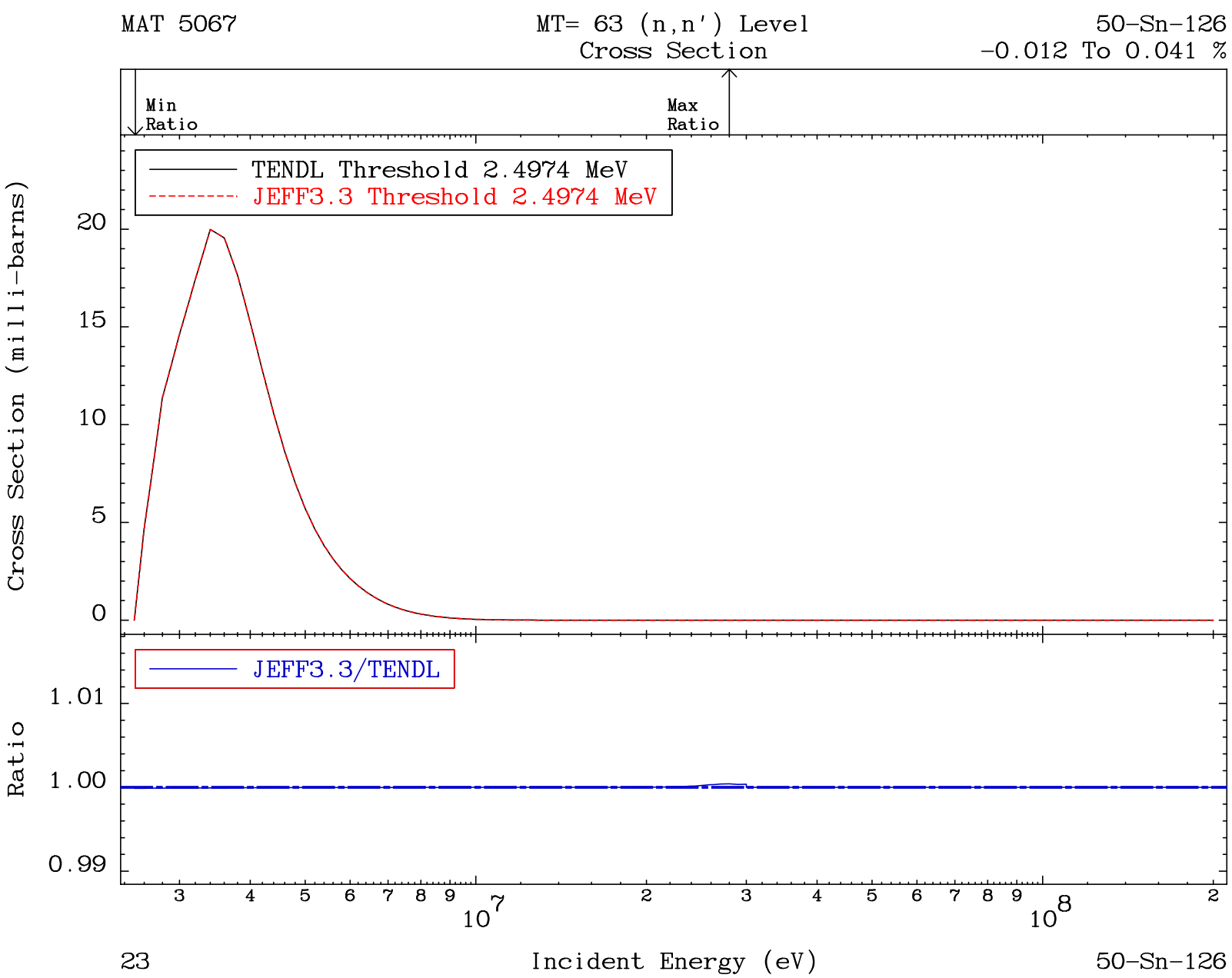

MAT 5067
MT= 55 (n,n') Level
Cross Section
50-Sn-126
-0.060 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.1789 MeV
JEFF3.3 Threshold 2.1789 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
50-Sn-126

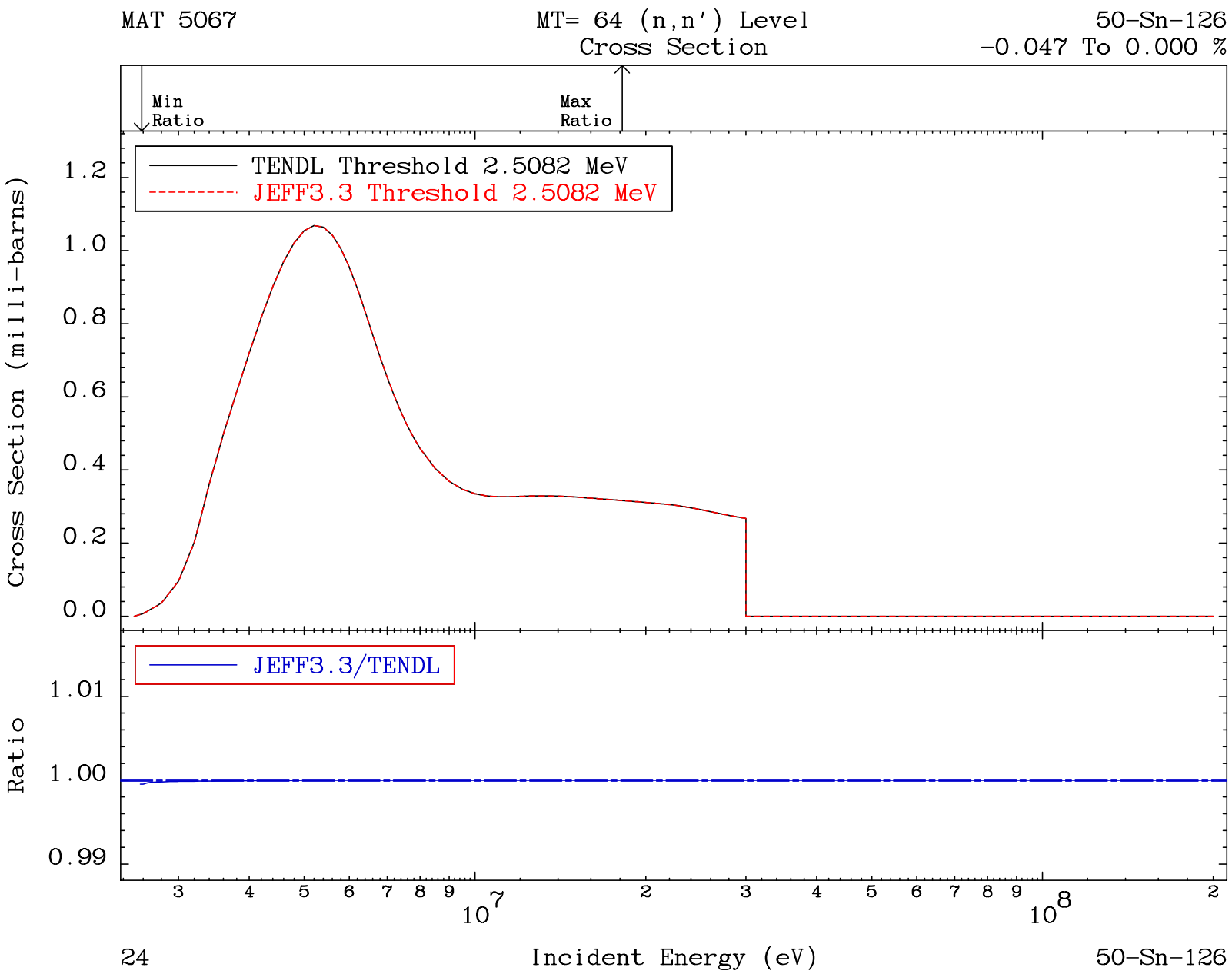

MAT 5067
MT= 56 (n,n') Level
Cross Section
50-Sn-126
-0.009 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.2118 MeV
JEFF3.3 Threshold 2.2118 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
19
Incident Energy (eV)
50-Sn-126

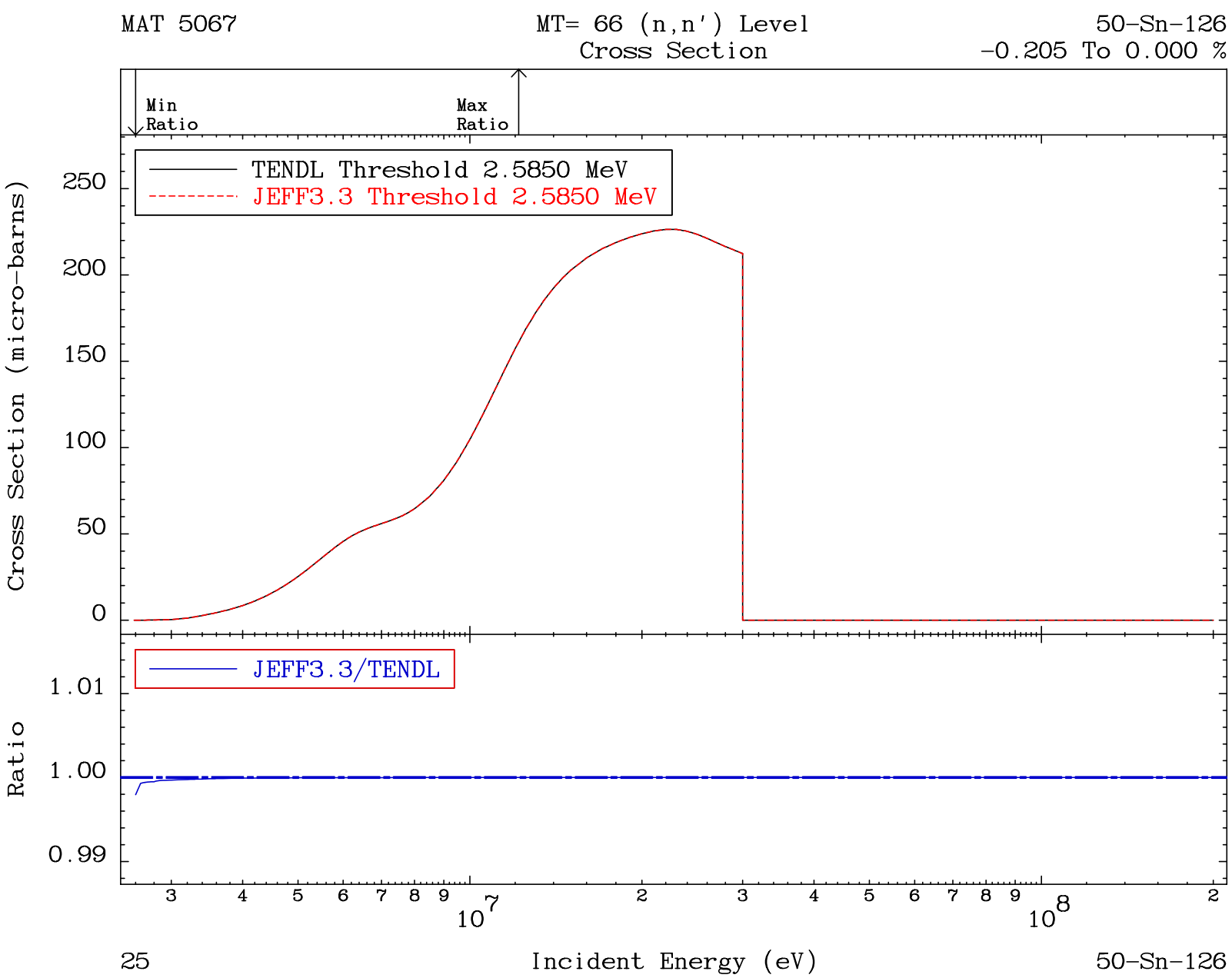

MAT 5067
MT= 57 (n,n') Level
Cross Section
50-Sn-126
-0.049 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.2368 MeV
JEFF3.3 Threshold 2.2368 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
20
Incident Energy (eV)
50-Sn-126

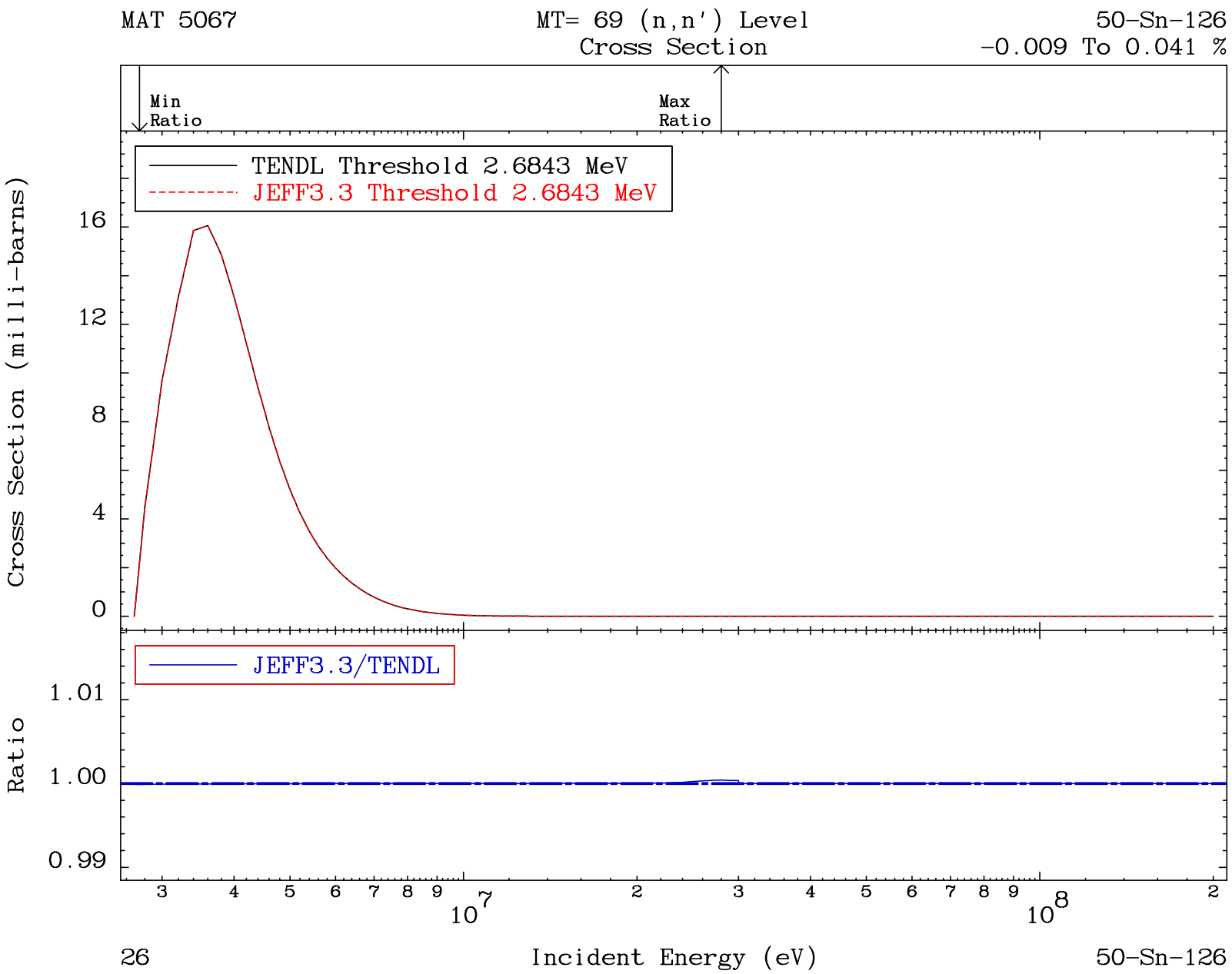

MAT 5067
MT= 58 (n,n') Level
Cross Section
50-Sn-126
-0.010 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.2746 MeV
JEFF3.3 Threshold 2.2746 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
50-Sn-126

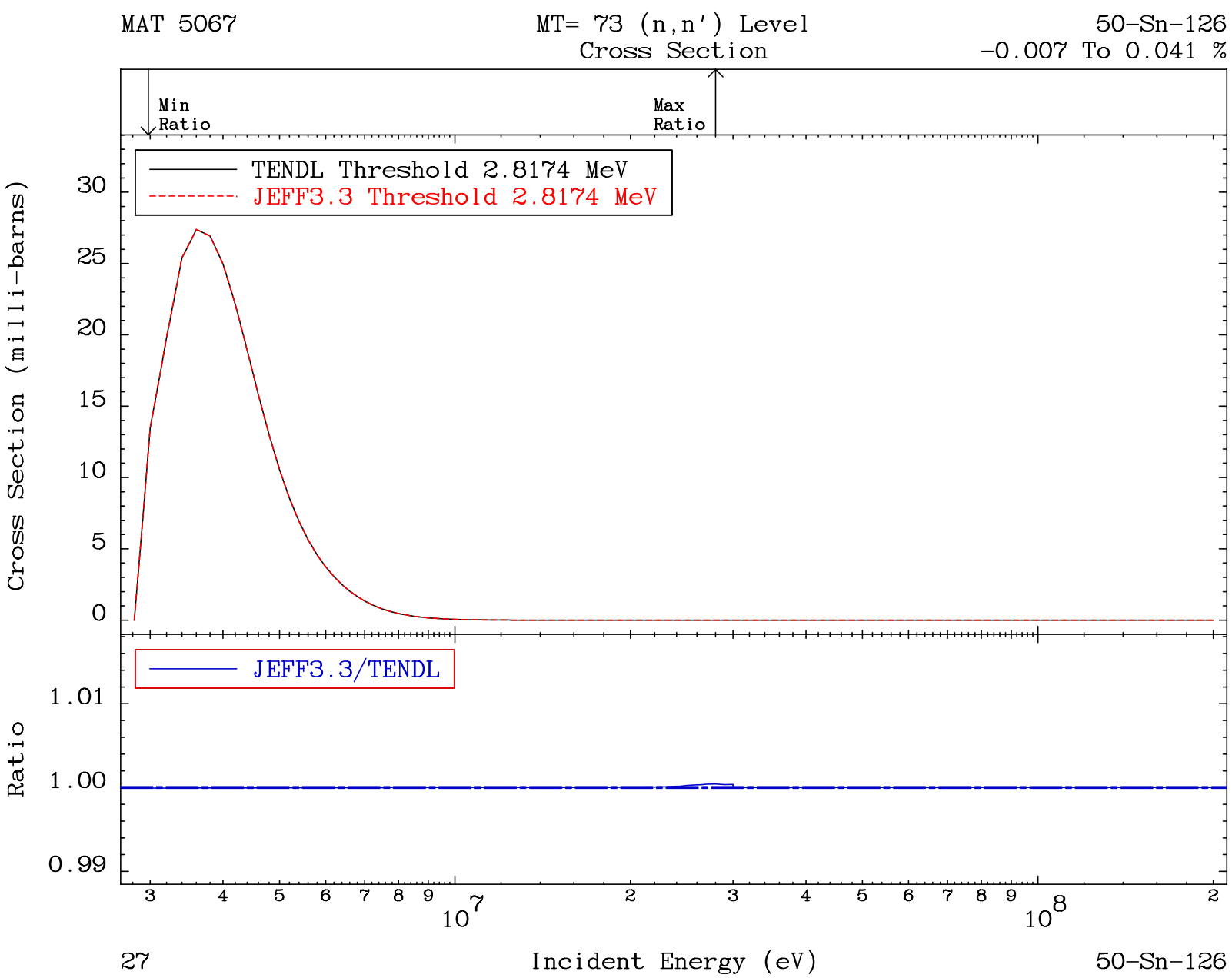

MAT 5067
MT= 62 (n,n') Level
Cross Section
50-Sn-126
-0.004 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4917 MeV
JEFF3.3 Threshold 2.4917 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
22
Incident Energy (eV)
50-Sn-126

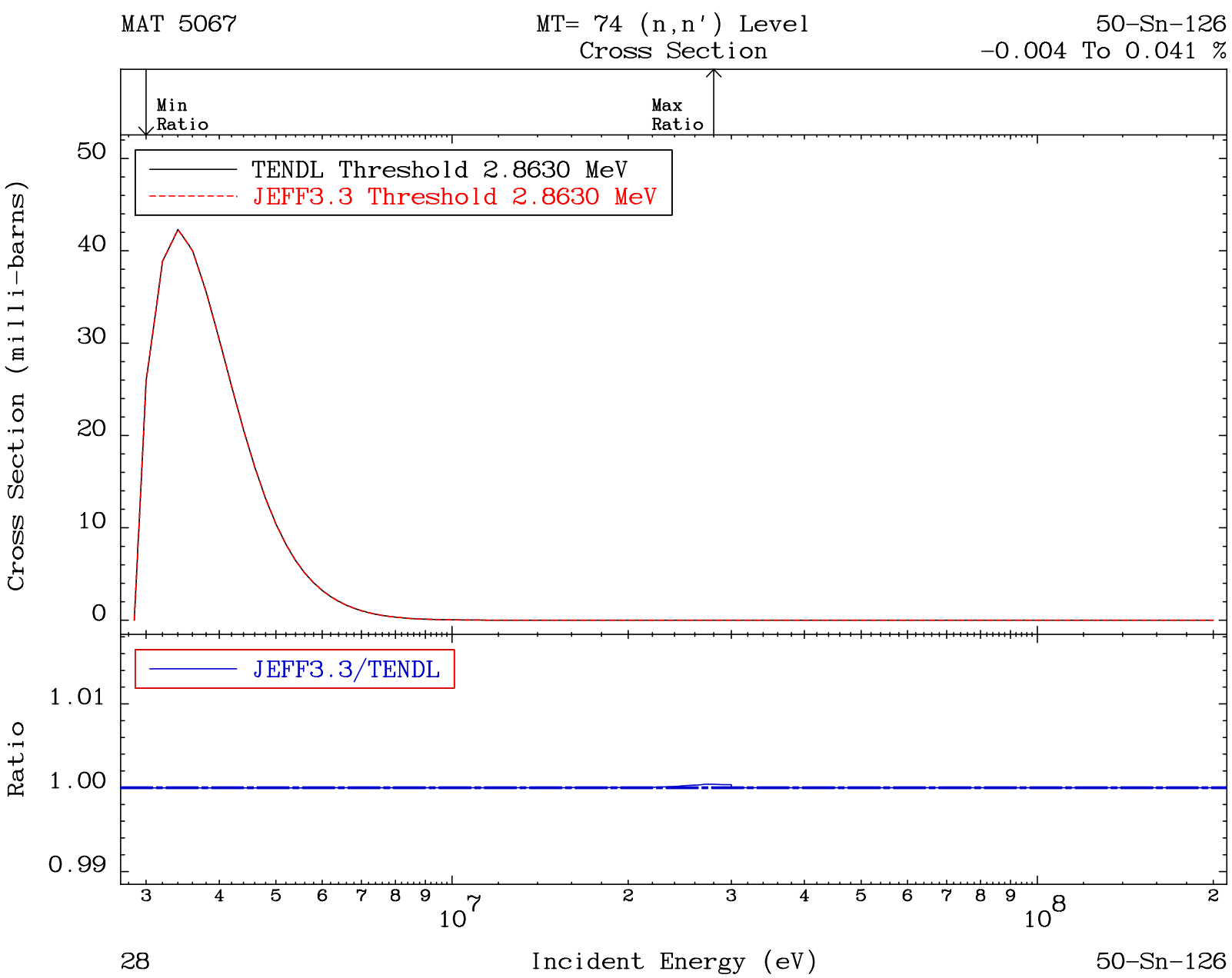

MAT 5067
MT= 63 (n,n') Level
Cross Section
50-Sn-126
-0.012 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4974 MeV
JEFF3.3 Threshold 2.4974 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
23
Incident Energy (eV)
50-Sn-126

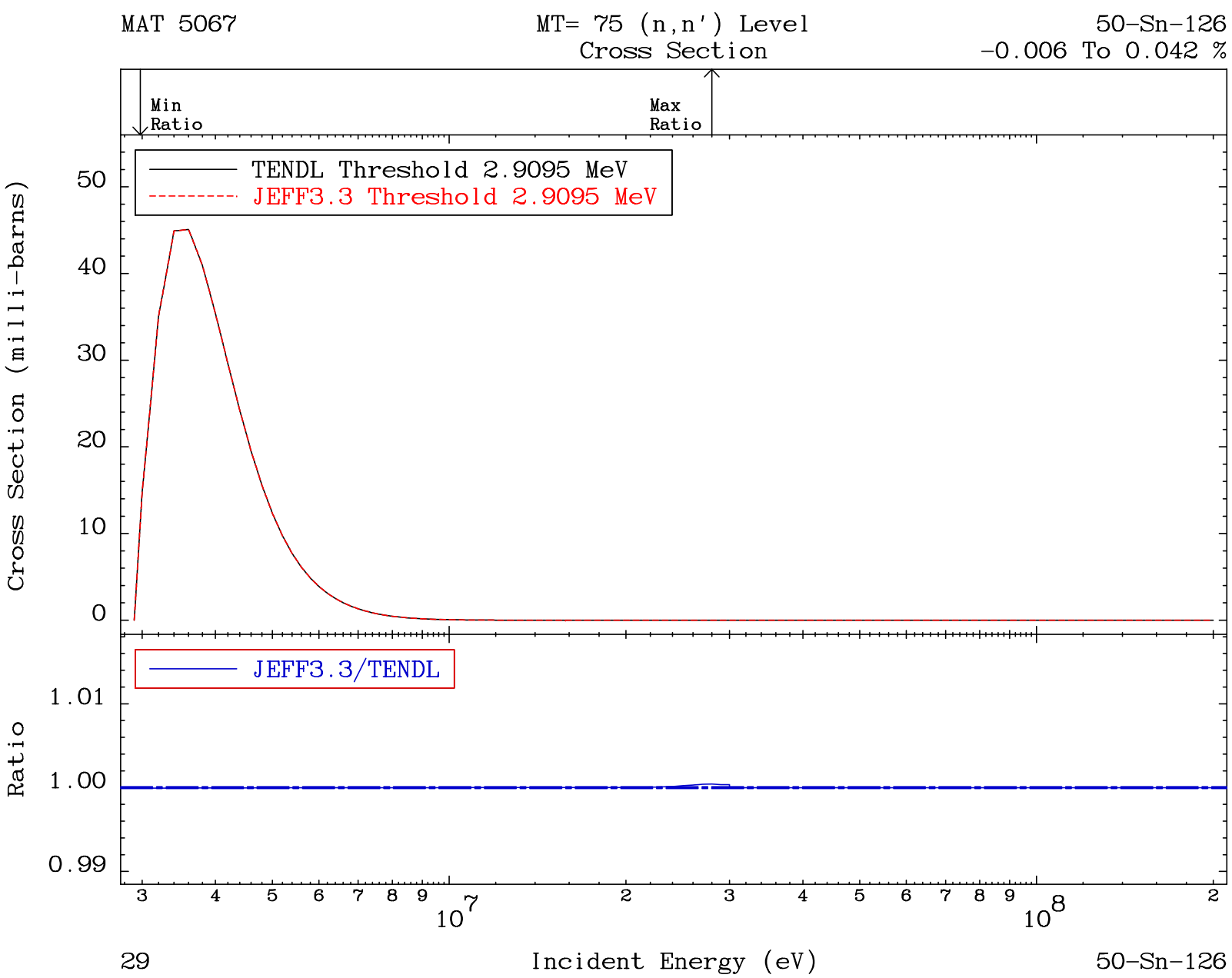

MAT 5067
MT= 64 (n,n') Level
Cross Section
50-Sn-126
-0.047 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5082 MeV
JEFF3.3 Threshold 2.5082 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
24
Incident Energy (eV)
50-Sn-126

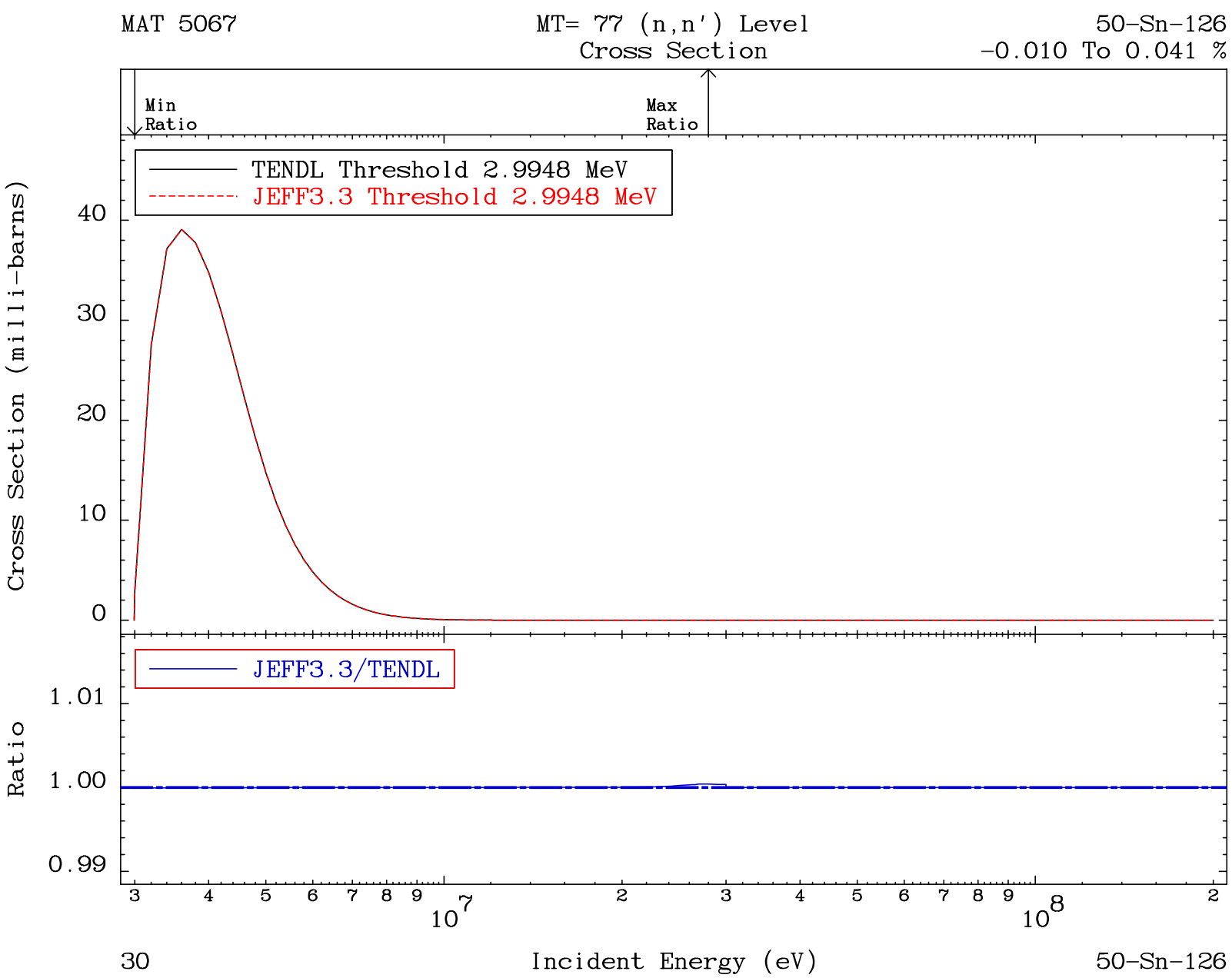

MAT 5067
MT= 66 (n,n') Level
Cross Section
50-Sn-126
-0.205 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5850 MeV
JEFF3.3 Threshold 2.5850 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
50-Sn-126

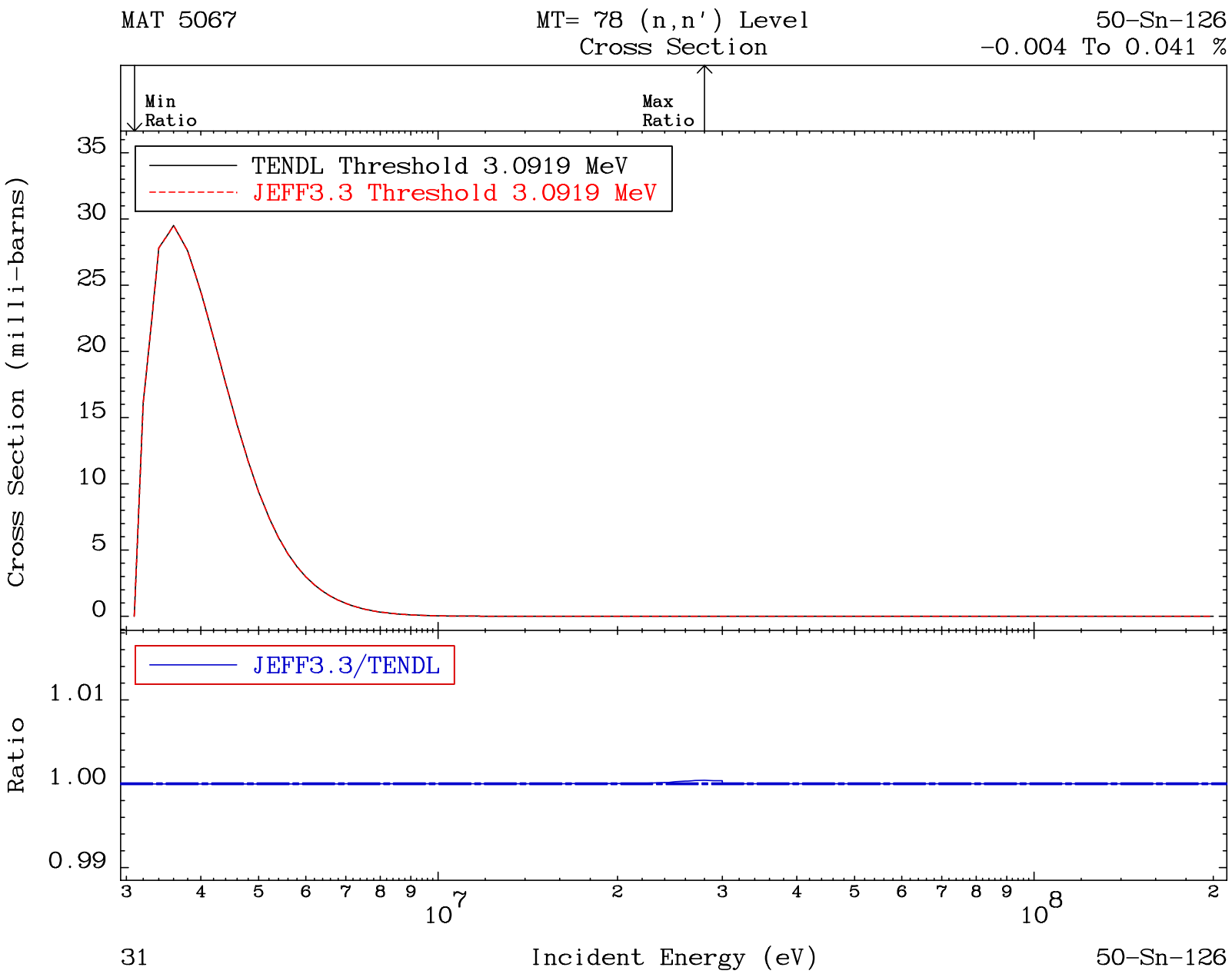

MAT 5067
MT= 69 (n,n') Level
Cross Section
50-Sn-126
-0.009 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6843 MeV
JEFF3.3 Threshold 2.6843 MeV
Cross Section (milli-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
26
Incident Energy (eV)
50-Sn-126

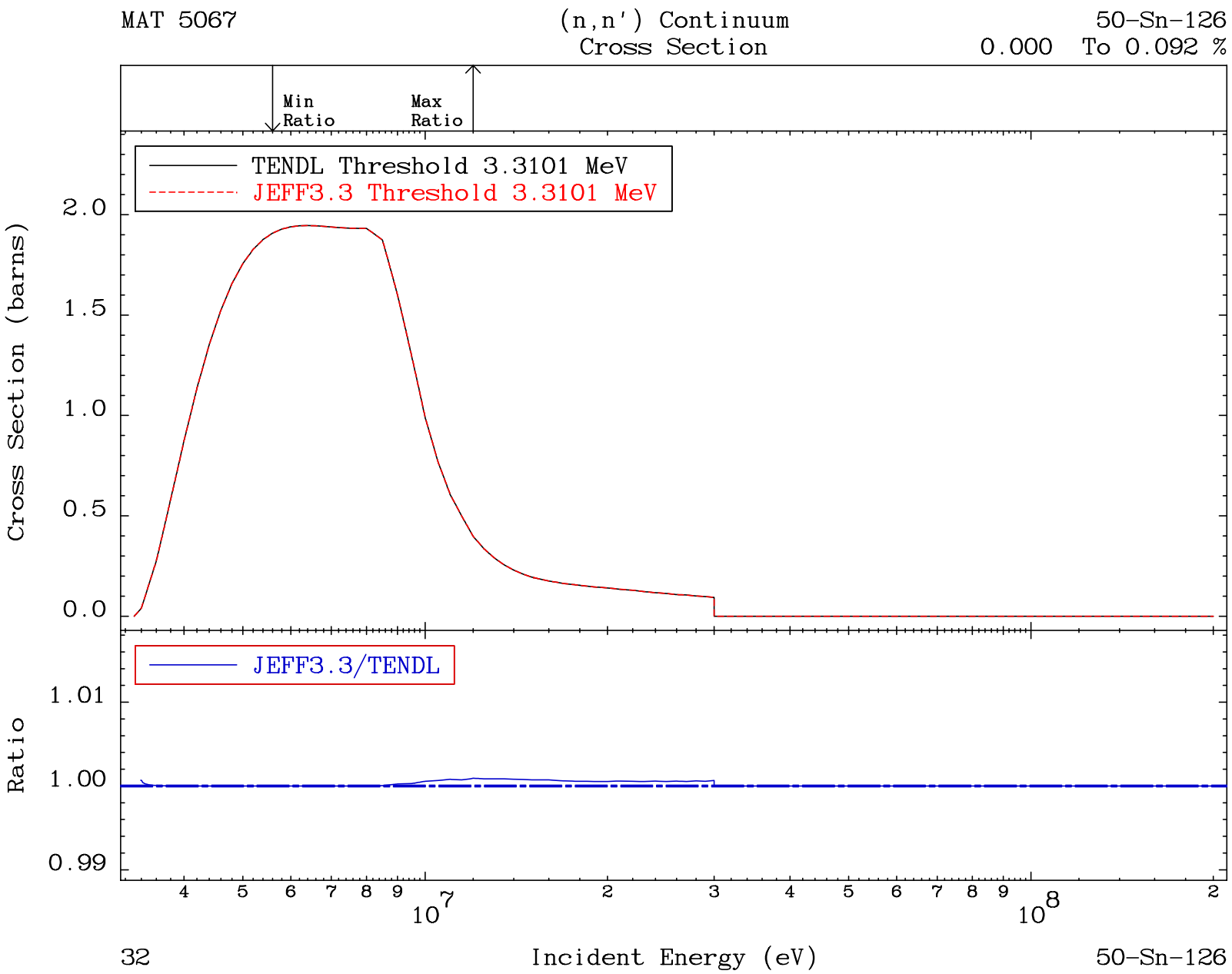

MAT 5067
MT= 73 (n,n') Level
Cross Section
50-Sn-126
-0.007 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8174 MeV
JEFF3.3 Threshold 2.8174 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
27
Incident Energy (eV)
50-Sn-126

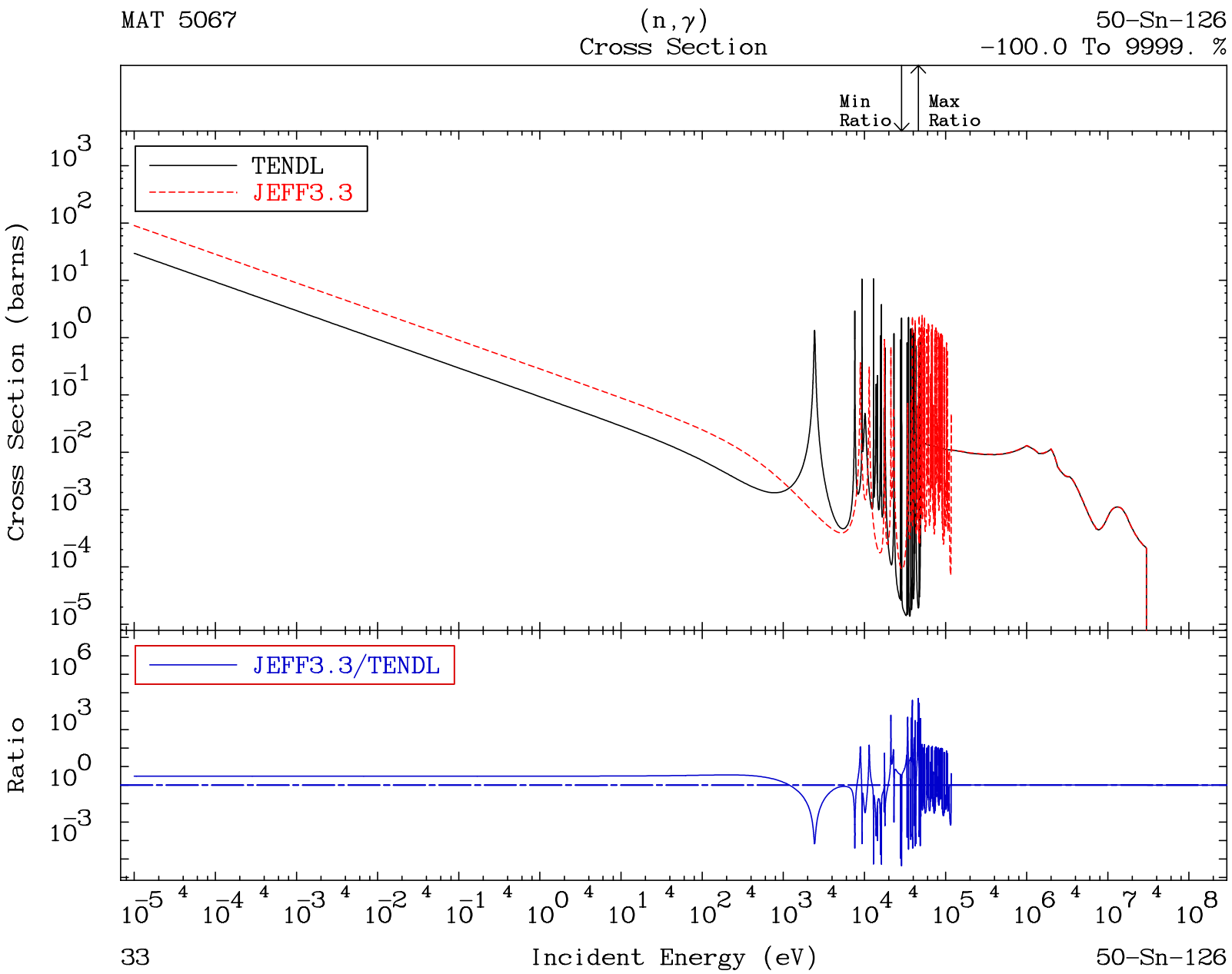

MAT 5067
MT= 74 (n,n') Level
Cross Section
50-Sn-126
-0.004 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8630 MeV
JEFF3.3 Threshold 2.8630 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
28
Incident Energy (eV)
50-Sn-126

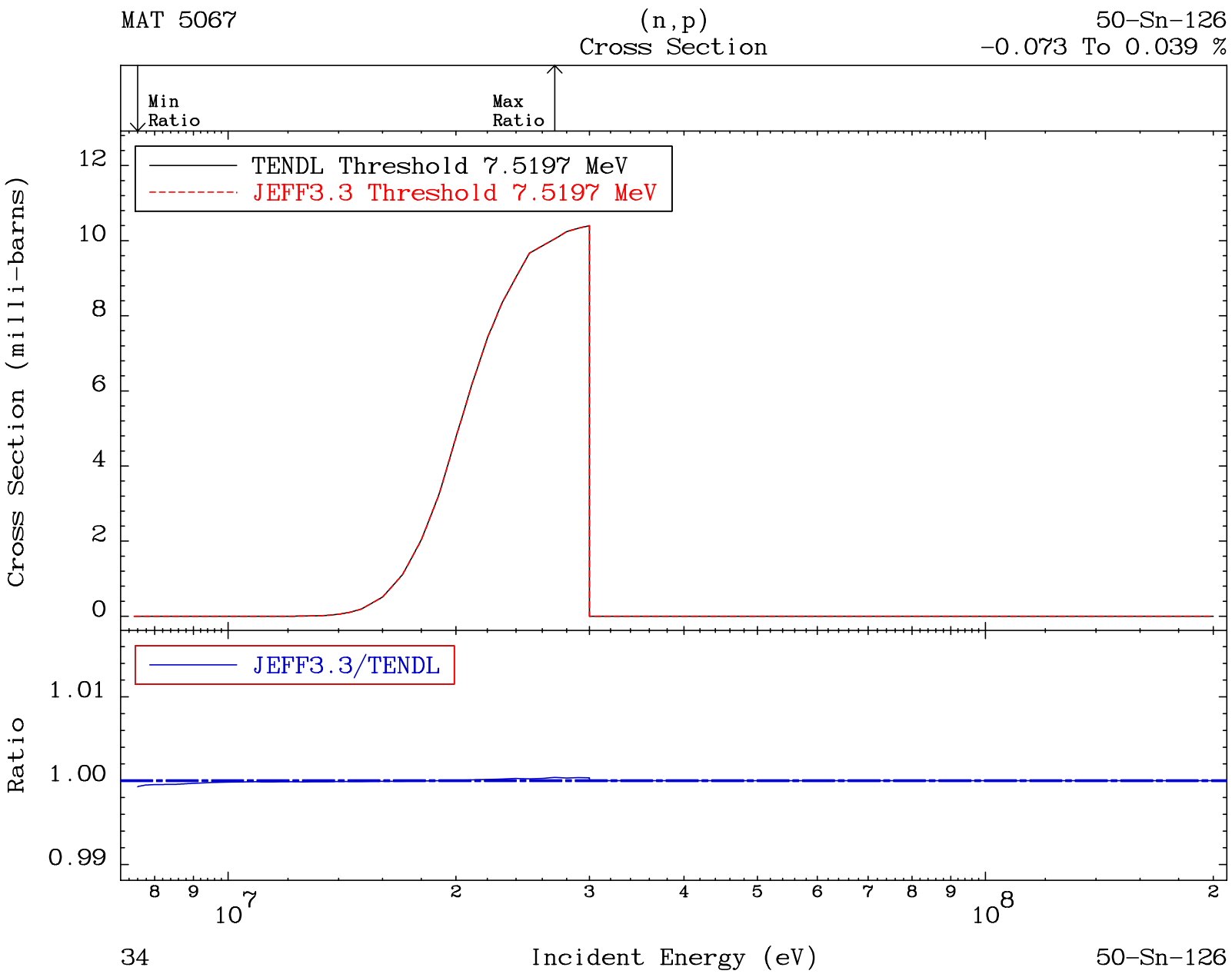

MAT 5067
MT= 75 (n,n') Level
Cross Section
50-Sn-126
-0.006 To 0.042 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9095 MeV
JEFF3.3 Threshold 2.9095 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
50-Sn-126

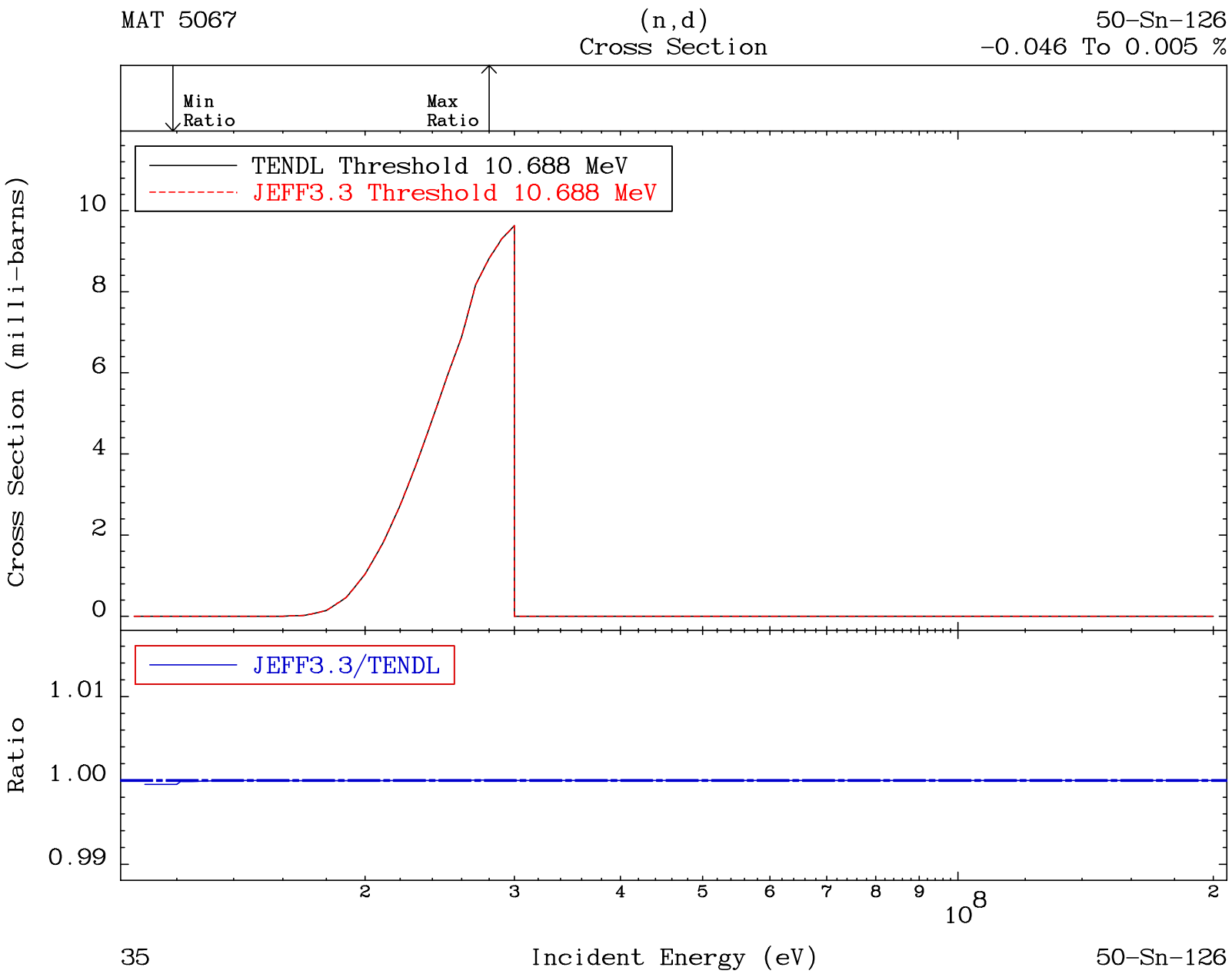

MAT 5067
MT= 77 (n,n') Level
Cross Section
50-Sn-126
-0.010 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9948 MeV
JEFF3.3 Threshold 2.9948 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
30
Incident Energy (eV)
50-Sn-126

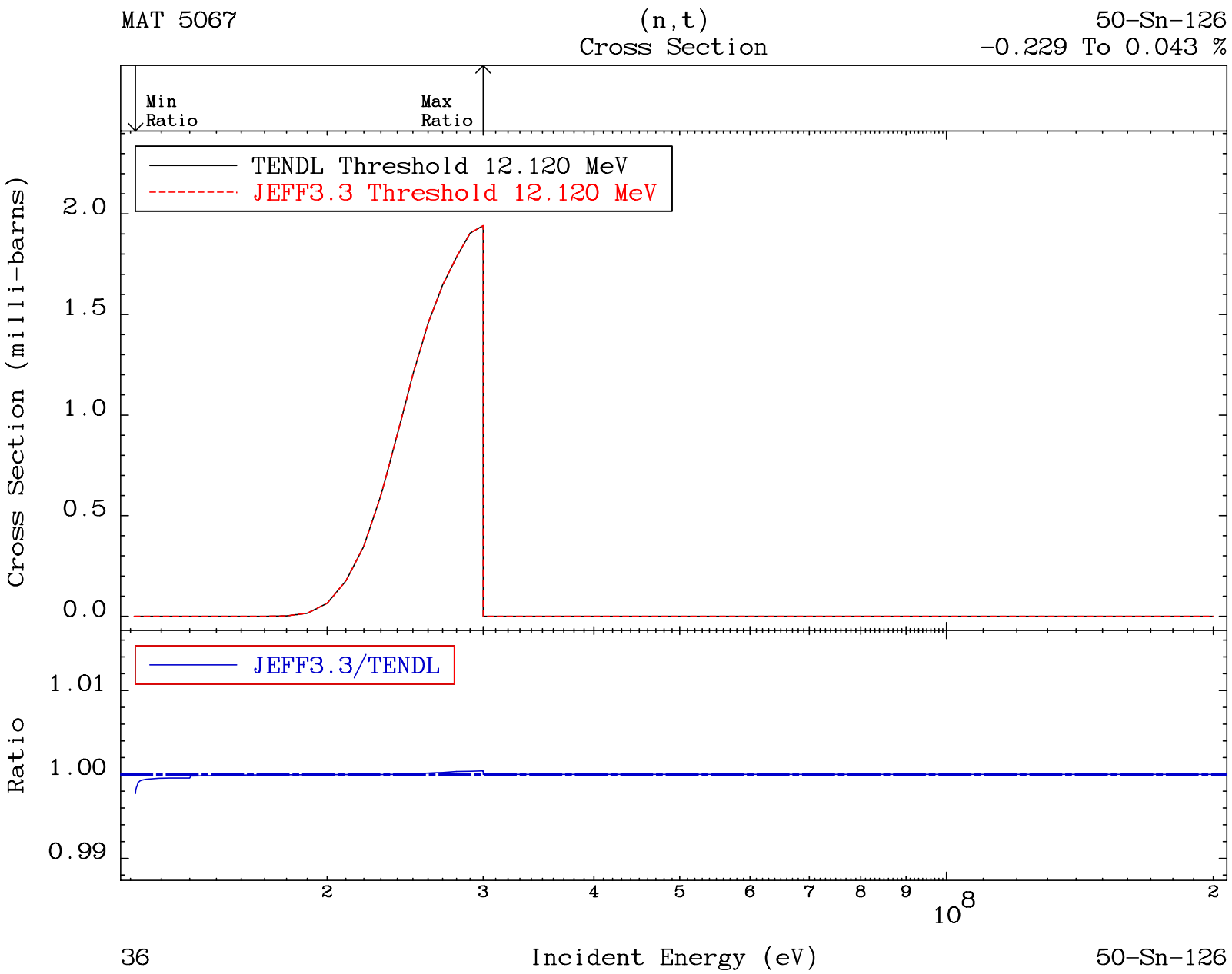

MAT 5067
MT= 78 (n,n') Level
Cross Section
50-Sn-126
-0.004 To 0.041 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0919 MeV
JEFF3.3 Threshold 3.0919 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
50-Sn-126

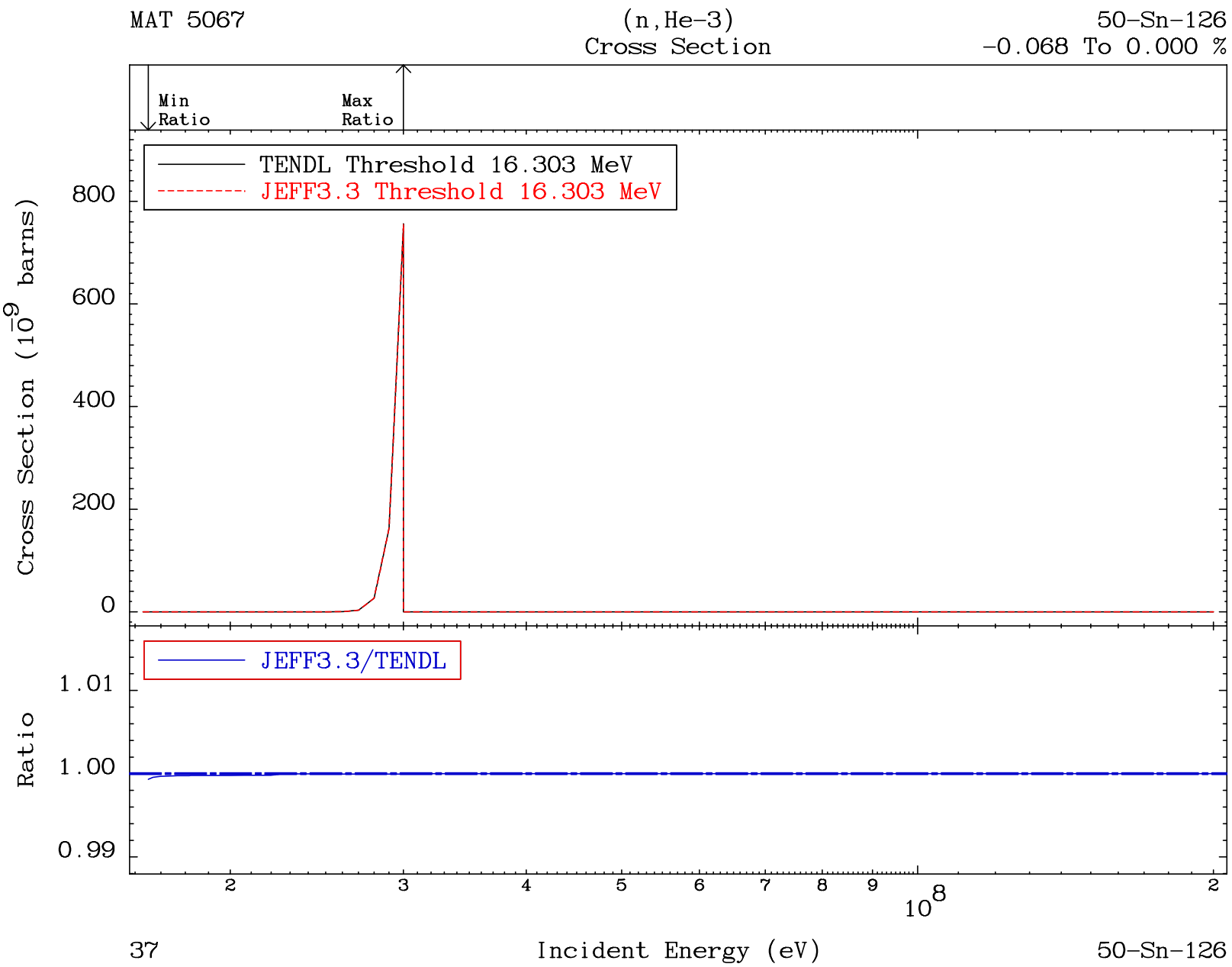

MAT 5067
(n,n') Continuum
Cross Section
50-Sn-126
0.000 To 0.092 %
Min Ratio
Max Ratio
TENDL Threshold 3.3101 MeV
JEFF3.3 Threshold 3.3101 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
50-Sn-126

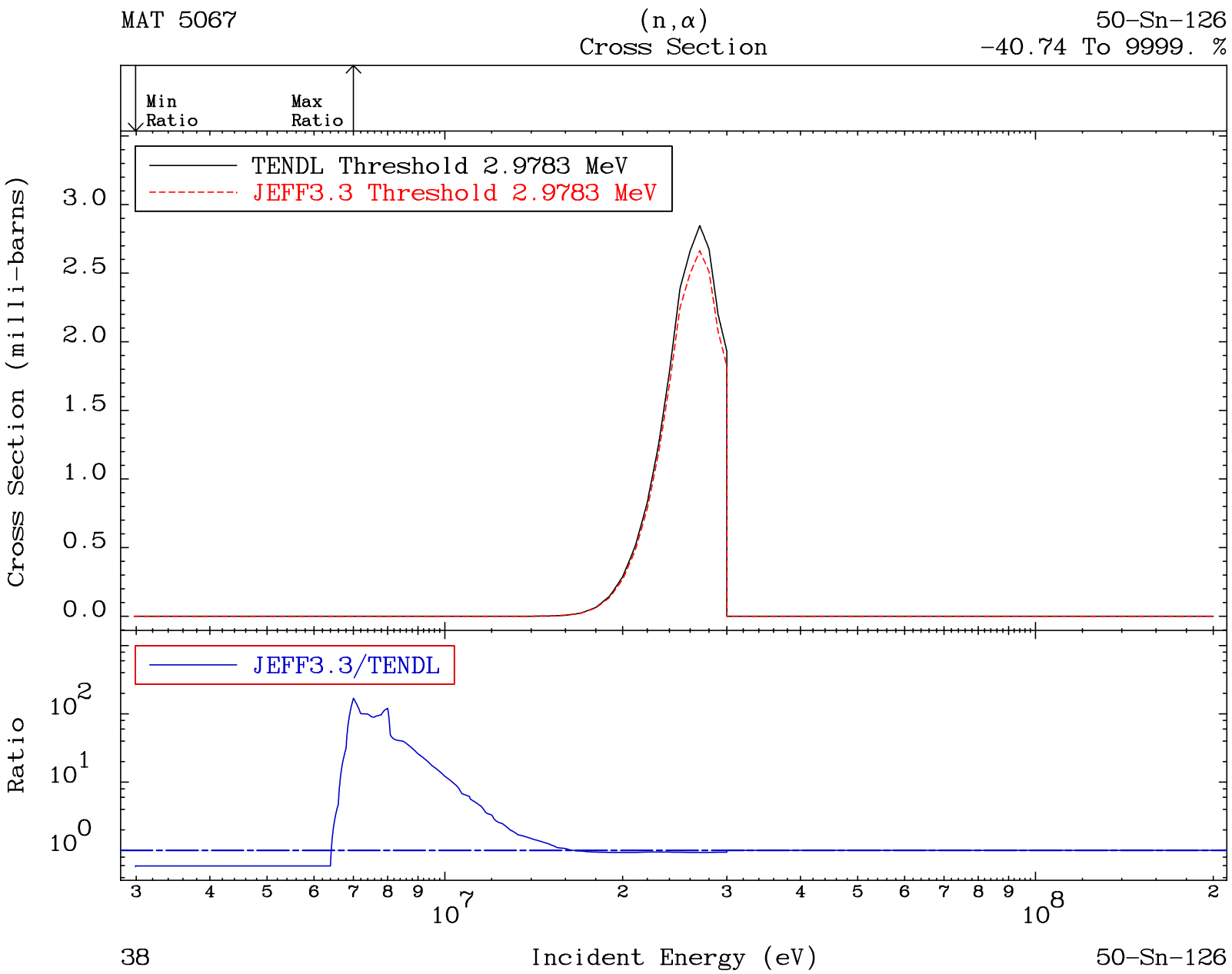

MAT 5067
(n,γ)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
33
50-Sn-126

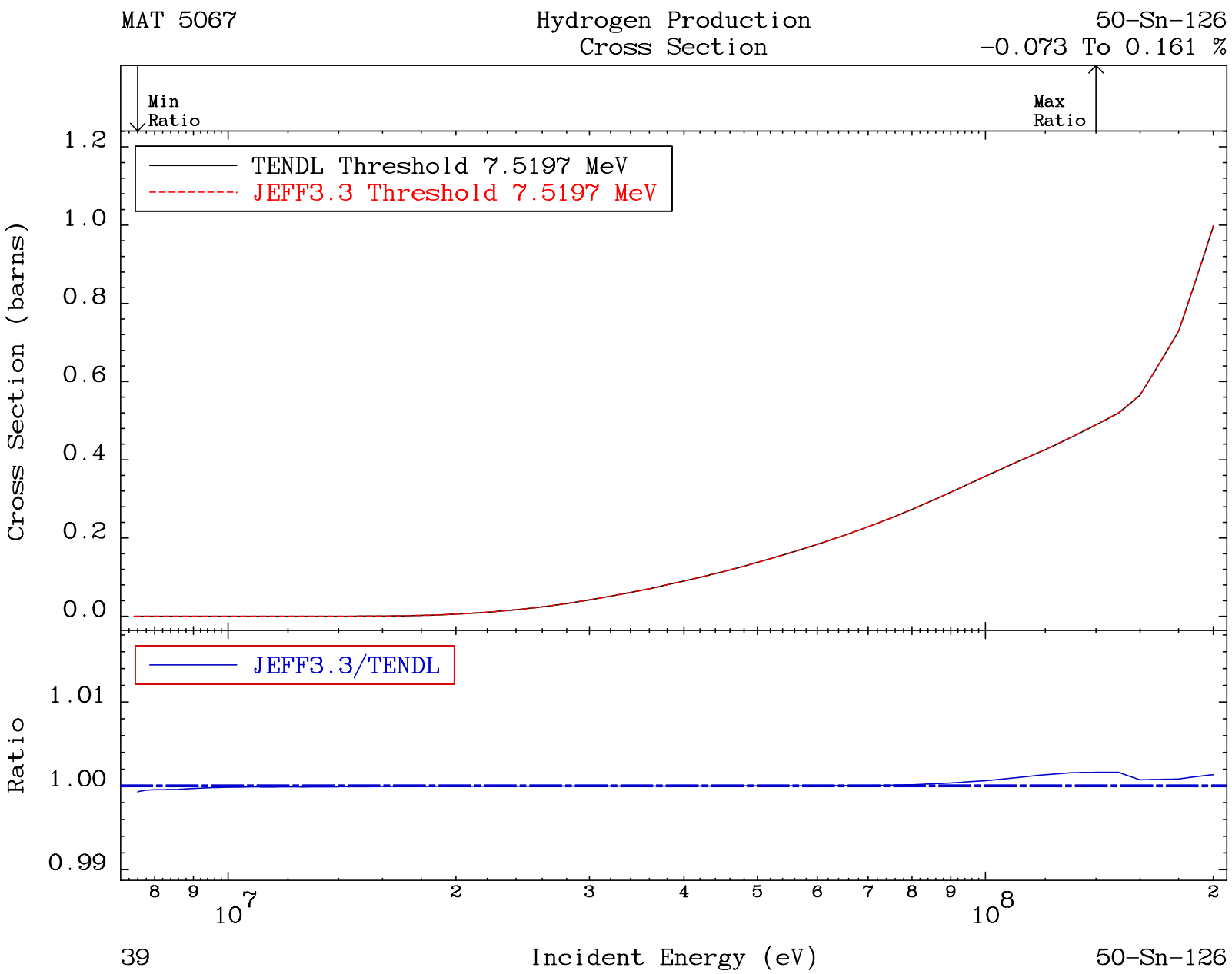

MAT 5067
(n,p)
Cross Section
50-Sn-126
-0.073 To 0.039 %
Min Ratio
Max Ratio
TENDL Threshold 7.5197 MeV
JEFF3.3 Threshold 7.5197 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
50-Sn-126

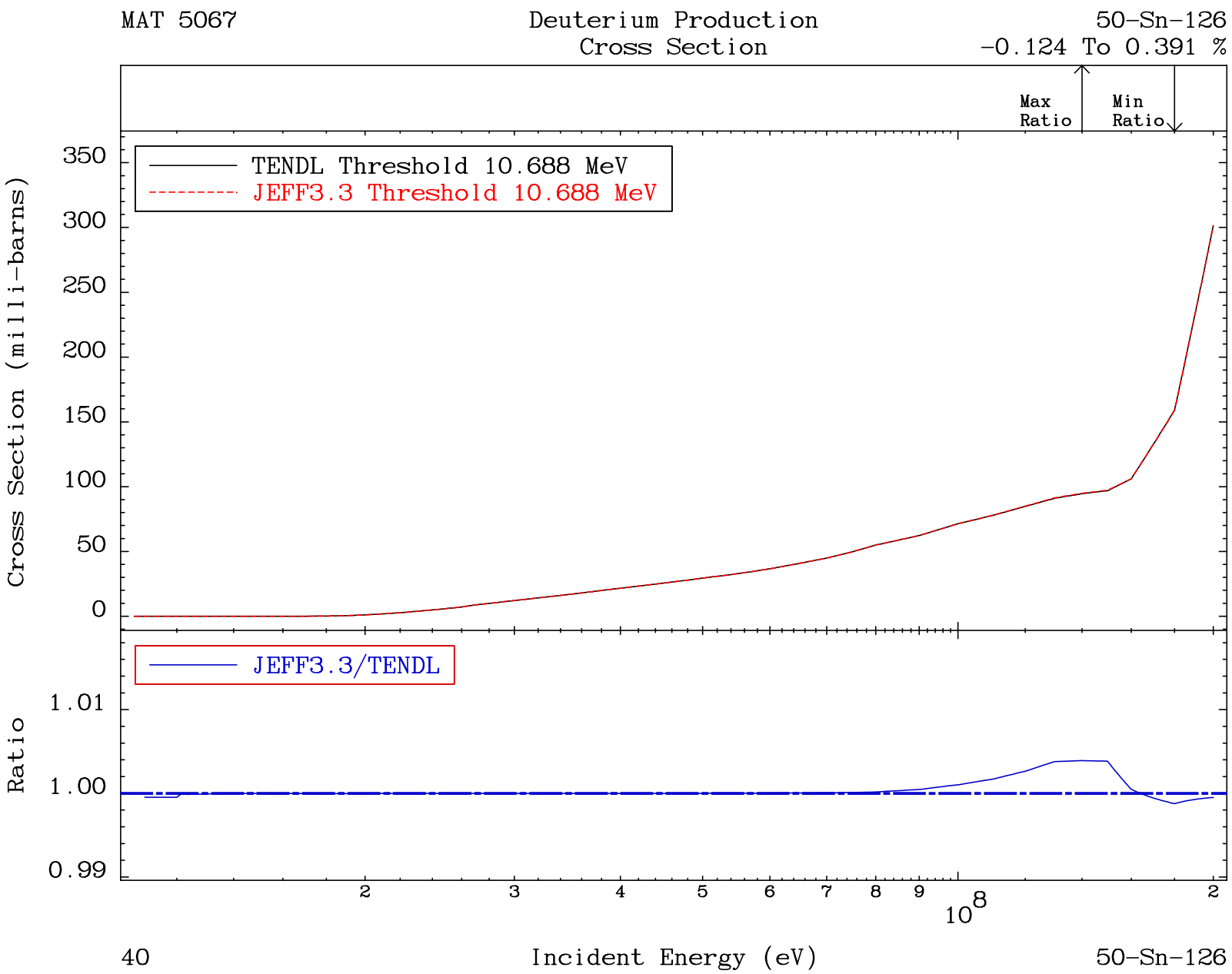

MAT 5067
(n,d)
Cross Section
50-Sn-126
-0.046 To 0.005 %
Min Ratio
Max Ratio
TENDL Threshold 10.688 MeV
JEFF3.3 Threshold 10.688 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
50-Sn-126

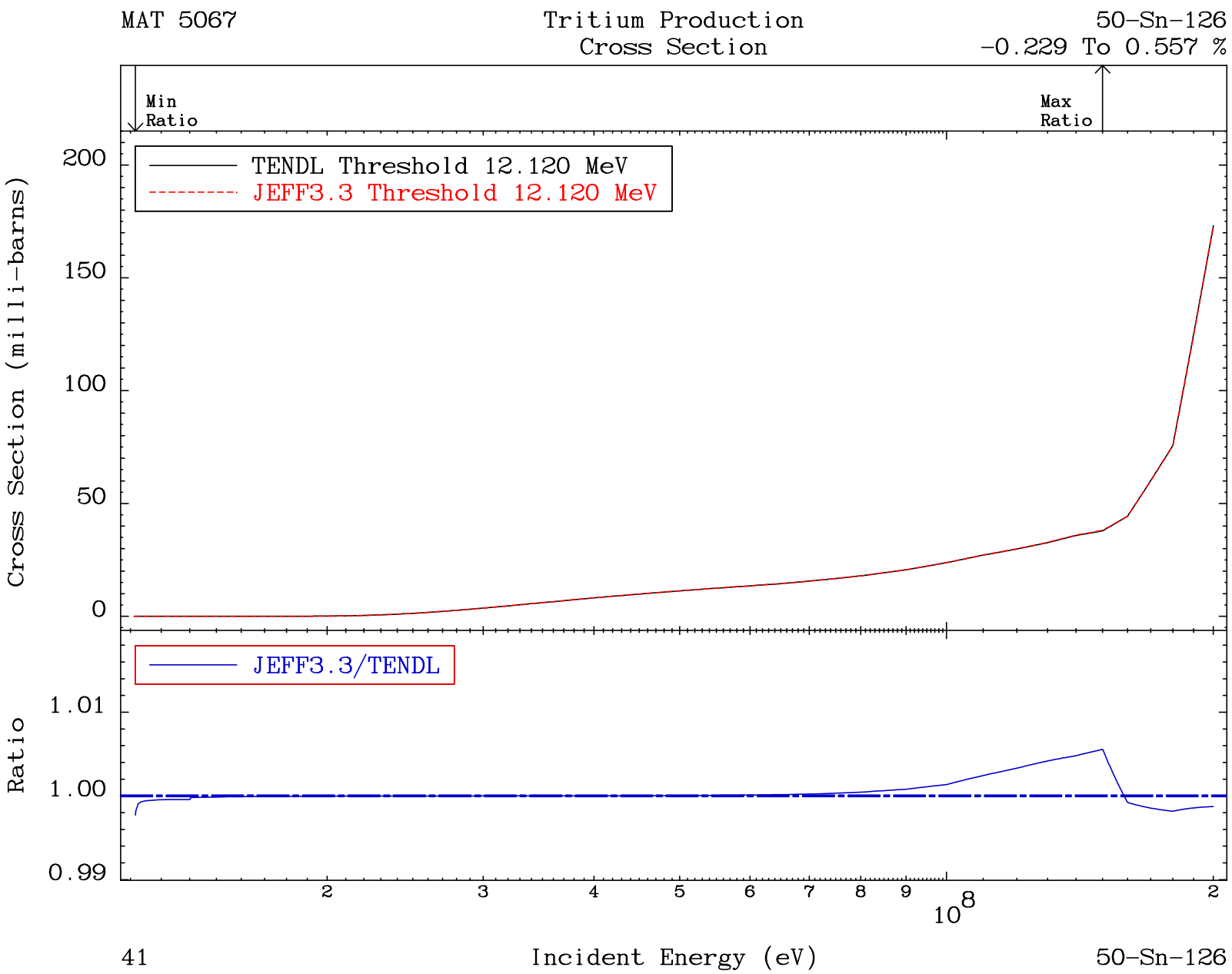

MAT 5067
(n,t)
Cross Section
50-Sn-126
-0.229 To 0.043 %
Min Ratio
Max Ratio
TENDL Threshold 12.120 MeV
JEFF3.3 Threshold 12.120 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
50-Sn-126

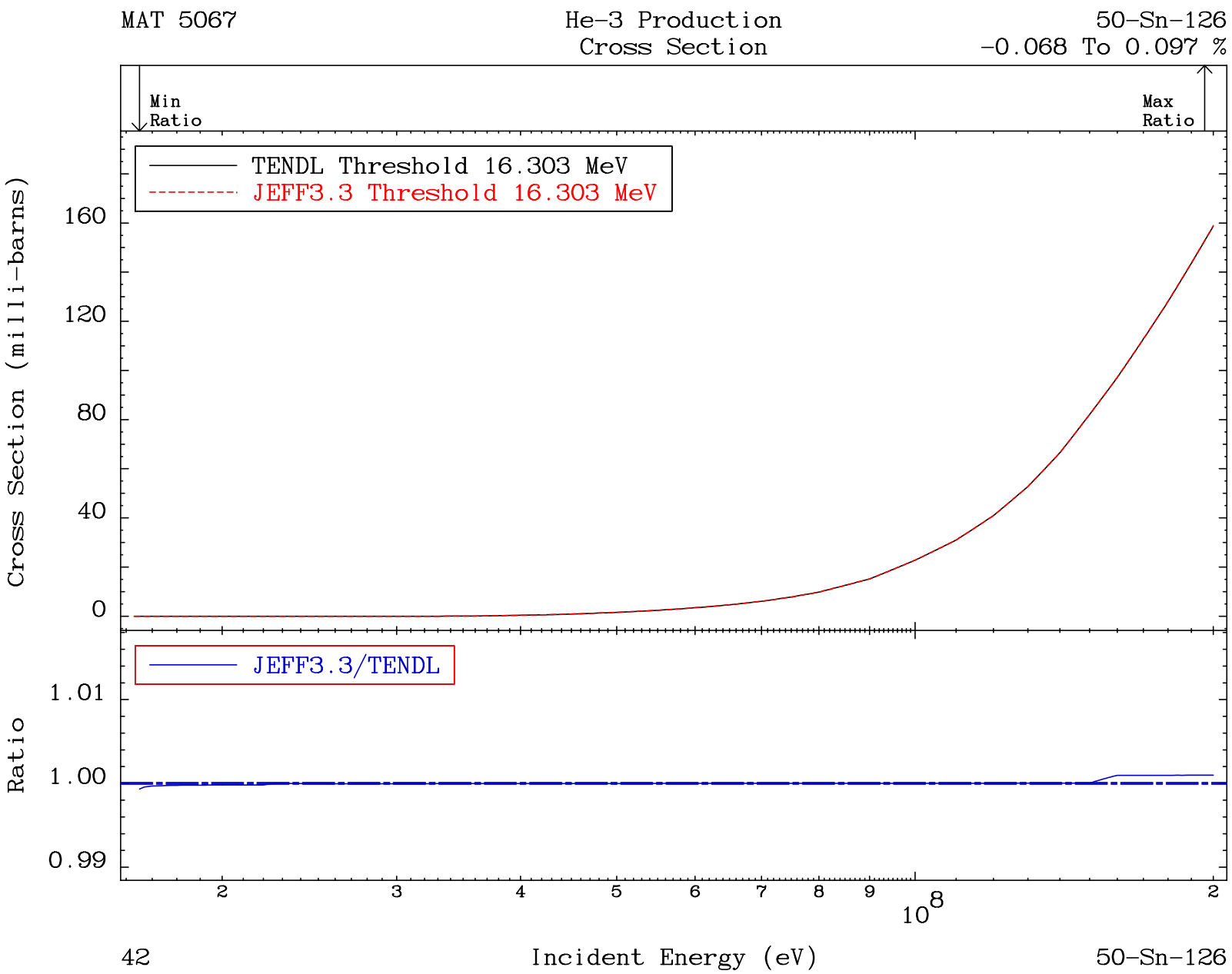

MAT 5067
(n,He-3)
Cross Section
50-Sn-126
-0.068 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.303 MeV
JEFF3.3 Threshold 16.303 MeV
Cross Section (10^{-9} barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
50-Sn-126

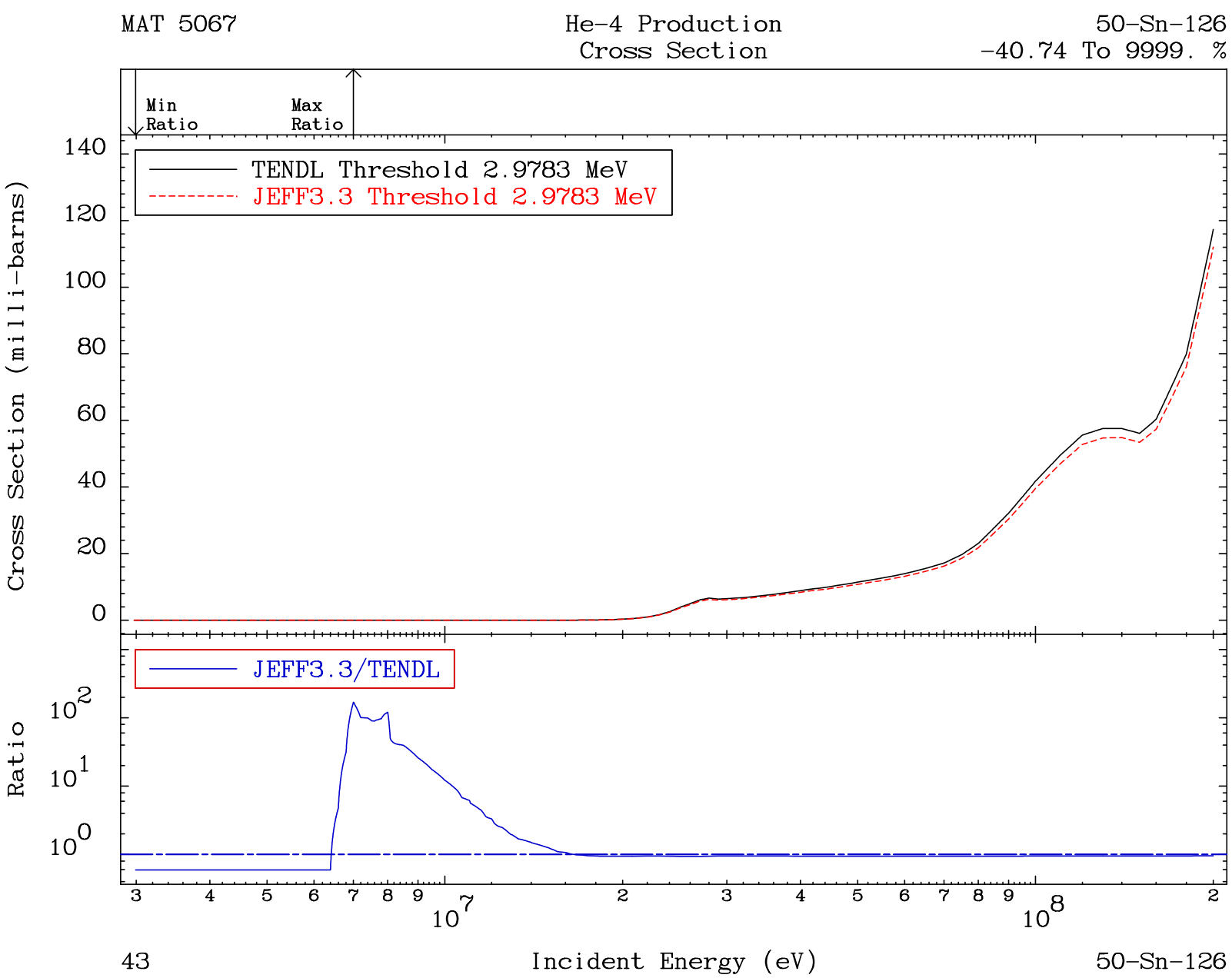

MAT 5067
(n,α)
Cross Section
50-Sn-126
-40.74 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9783 MeV
JEFF3.3 Threshold 2.9783 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
38
Incident Energy (eV)
50-Sn-126

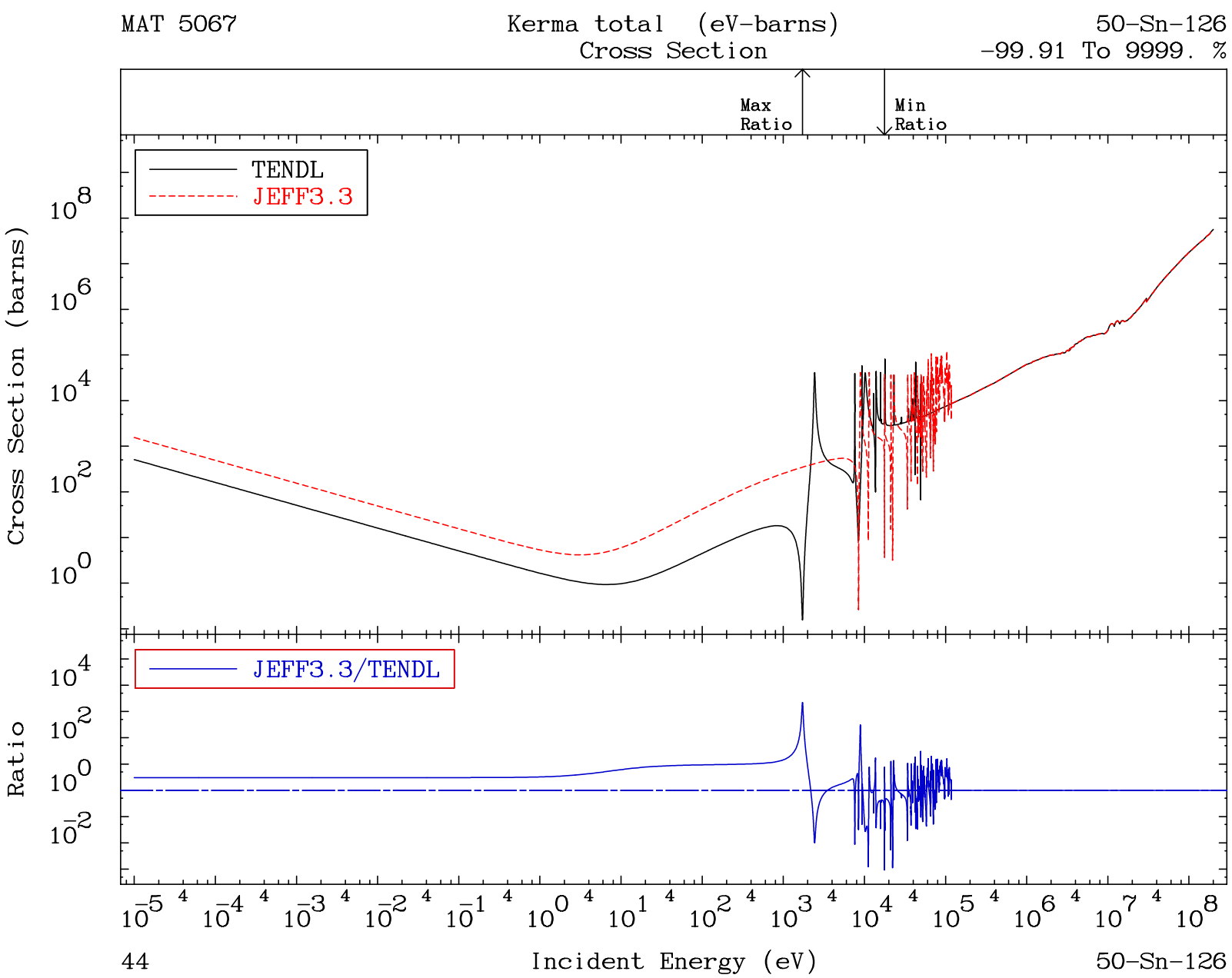

MAT 5067
Hydrogen Production
Cross Section
50-Sn-126
-0.073 To 0.161 %
Min Ratio
Max Ratio
TENDL Threshold 7.5197 MeV
JEFF3.3 Threshold 7.5197 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
50-Sn-126

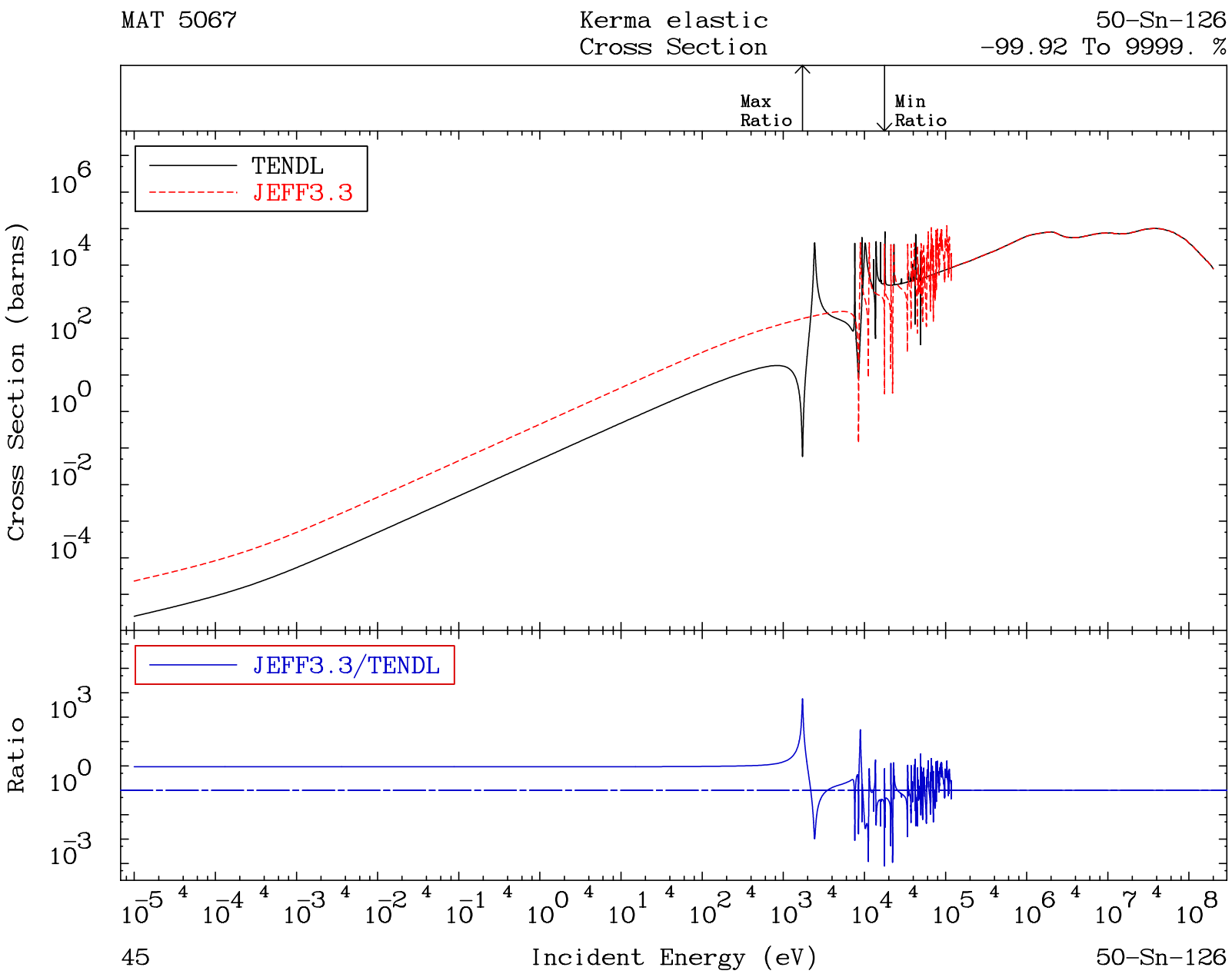

MAT 5067
Deuterium Production
Cross Section
50-Sn-126
-0.124 To 0.391 %
Max Ratio
Min Ratio
TENDL Threshold 10.688 MeV
JEFF3.3 Threshold 10.688 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
50-Sn-126

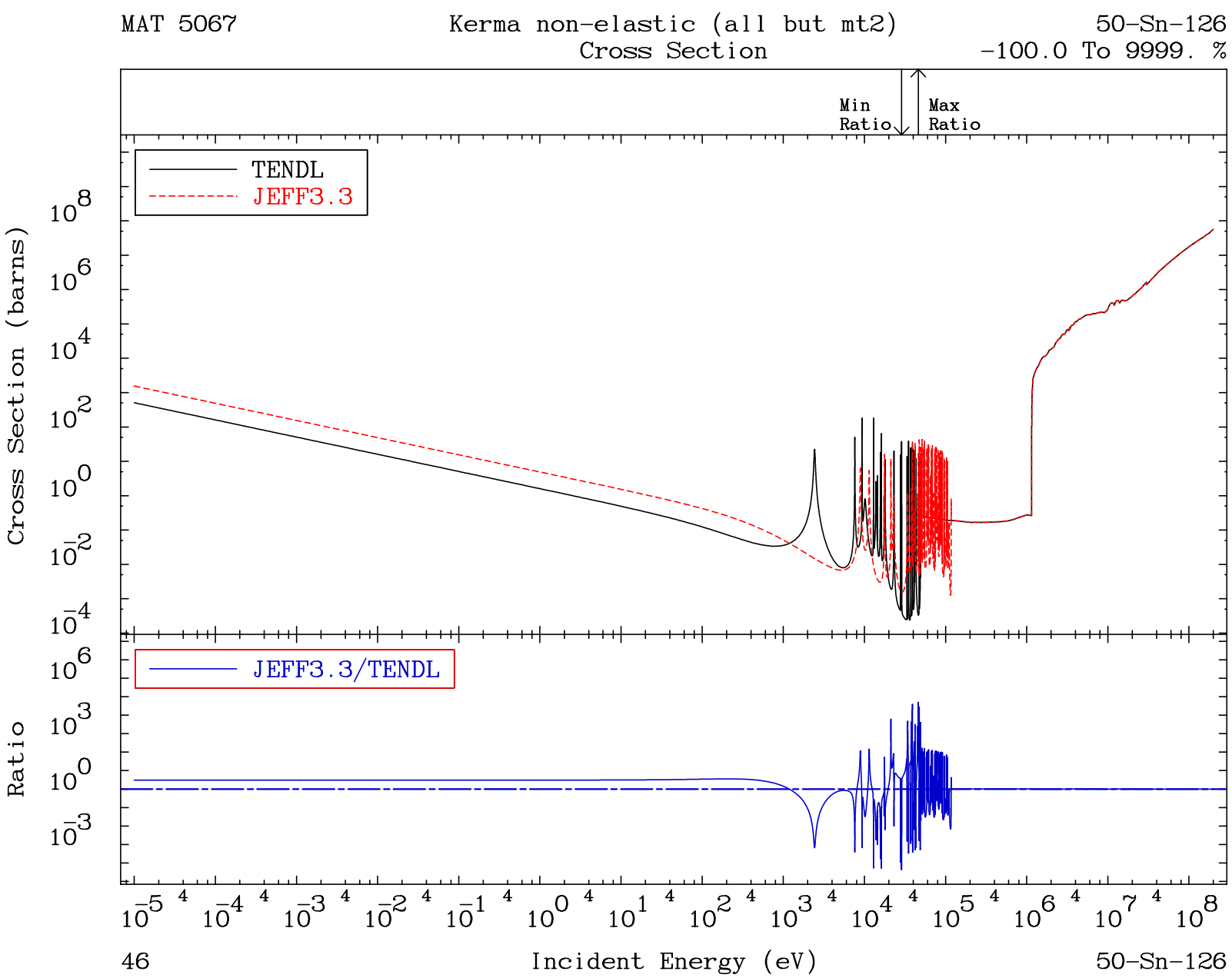

MAT 5067
Tritium Production
Cross Section
50-Sn-126
-0.229 To 0.557 %
Min
Ratio
Max
Ratio
TENDL Threshold 12.120 MeV
JEFF3.3 Threshold 12.120 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
50-Sn-126

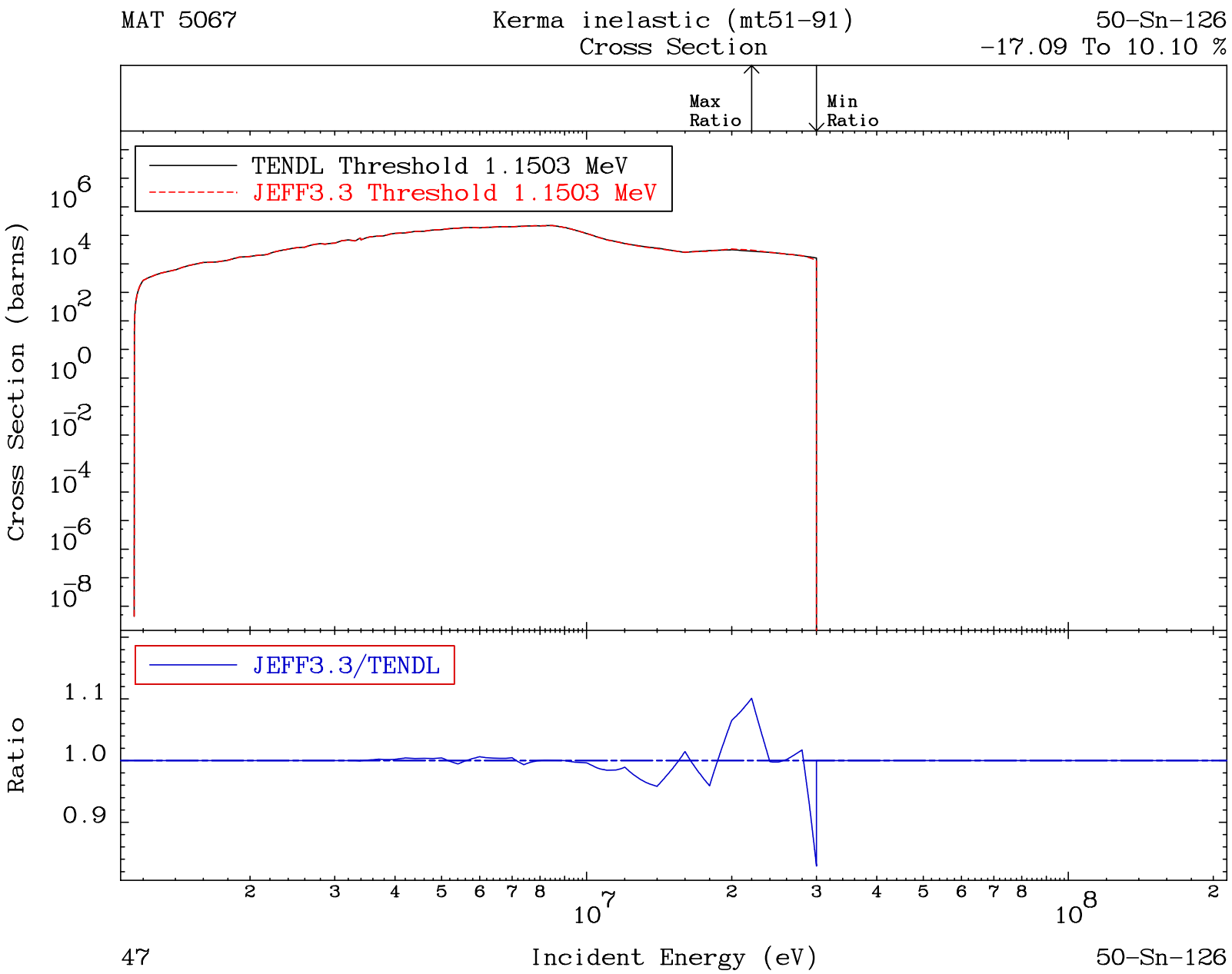

MAT 5067
He-3 Production
Cross Section
50-Sn-126
-0.068 To 0.097 %
Min
Ratio
Max
Ratio
TENDL Threshold 16.303 MeV
JEFF3.3 Threshold 16.303 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
50-Sn-126

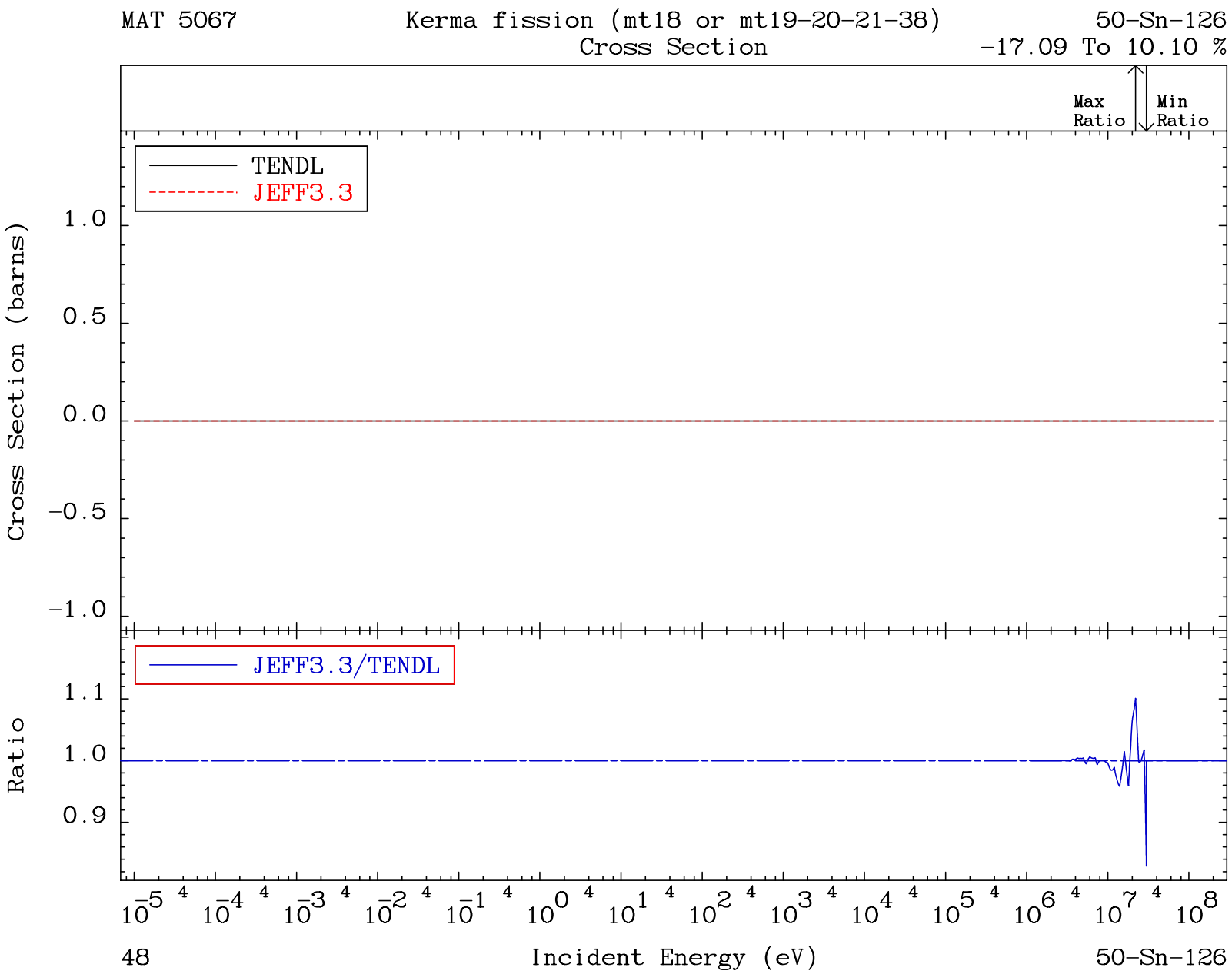

MAT 5067
He-4 Production
Cross Section
50-Sn-126
-40.74 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9783 MeV
JEFF3.3 Threshold 2.9783 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
43
Incident Energy (eV)
50-Sn-126

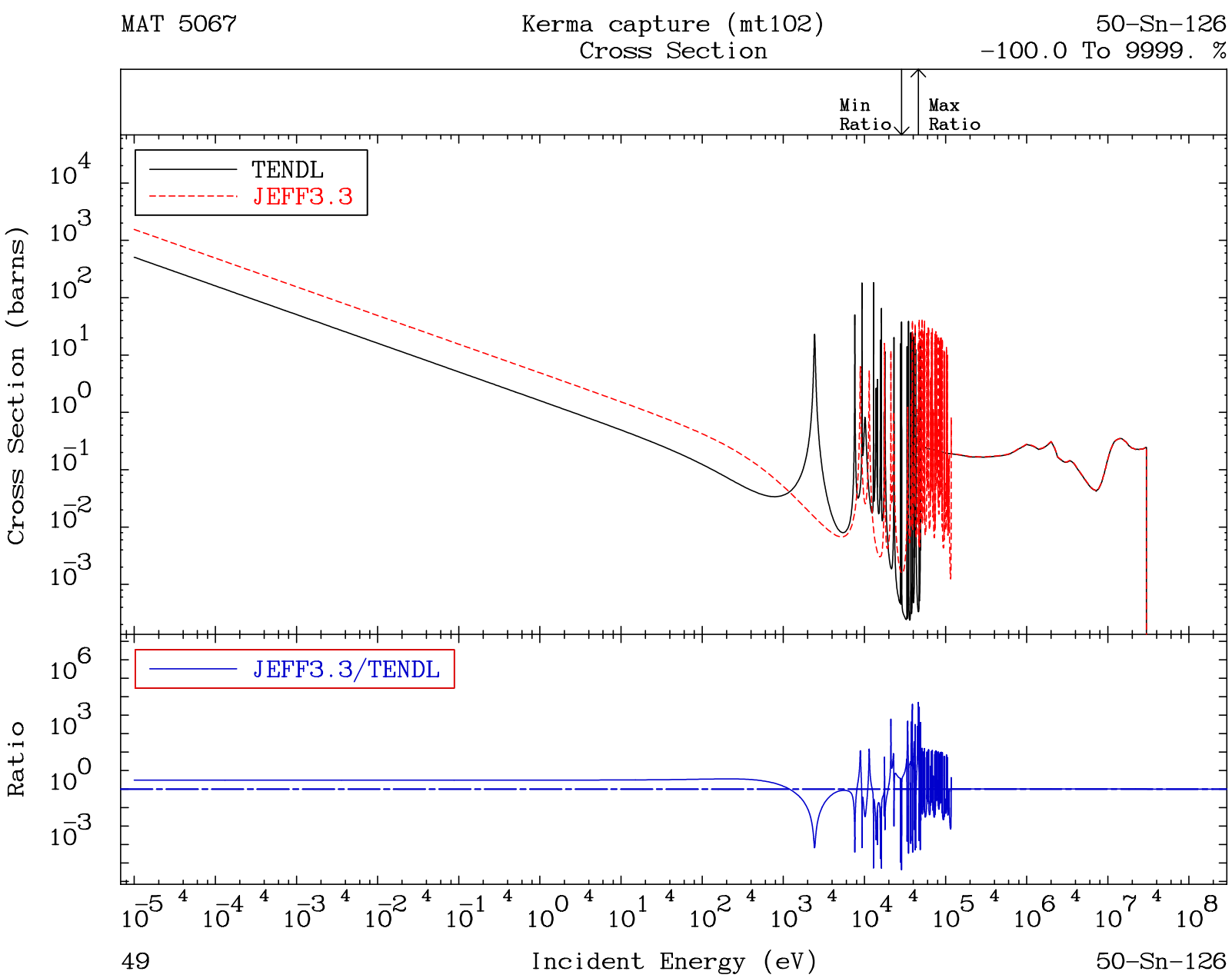

MAT 5067
Kerma total (eV-barns)
Cross Section
50-Sn-126
-99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
44
50-Sn-126

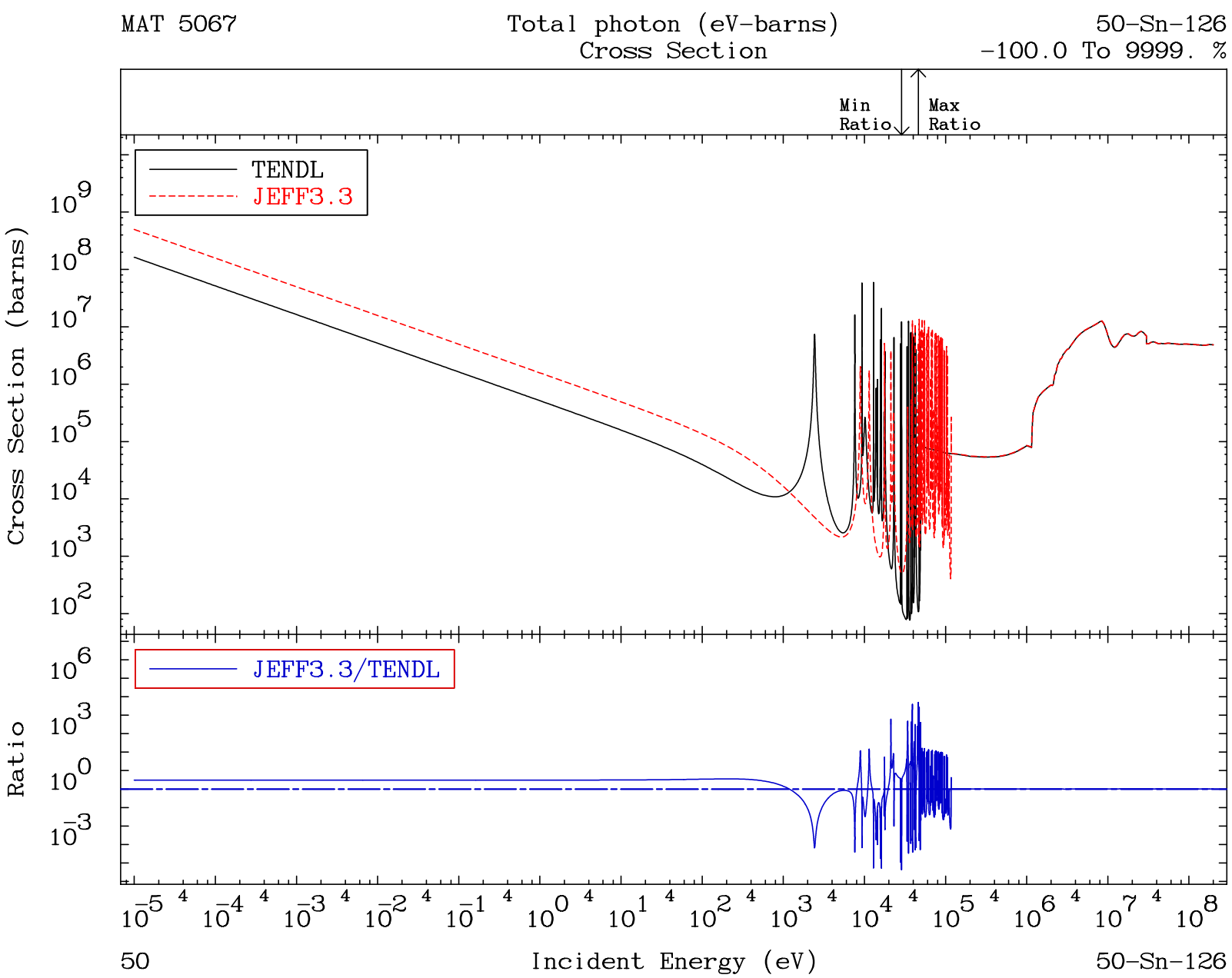

MAT 5067
Kerma elastic
Cross Section
50-Sn-126
-99.92 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
45
50-Sn-126

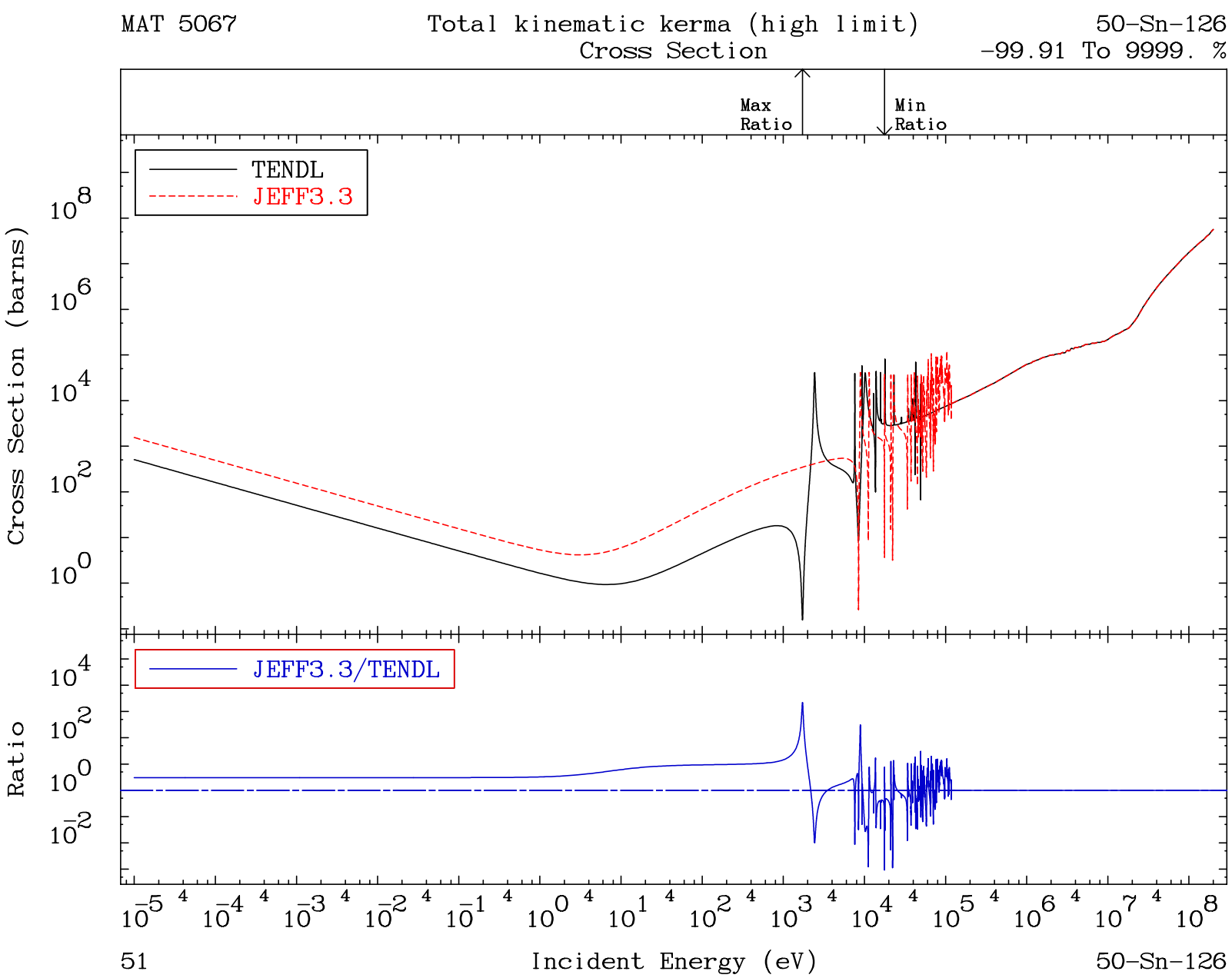

MAT 5067
Kerma non-elastic (all but mt2)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
46
50-Sn-126

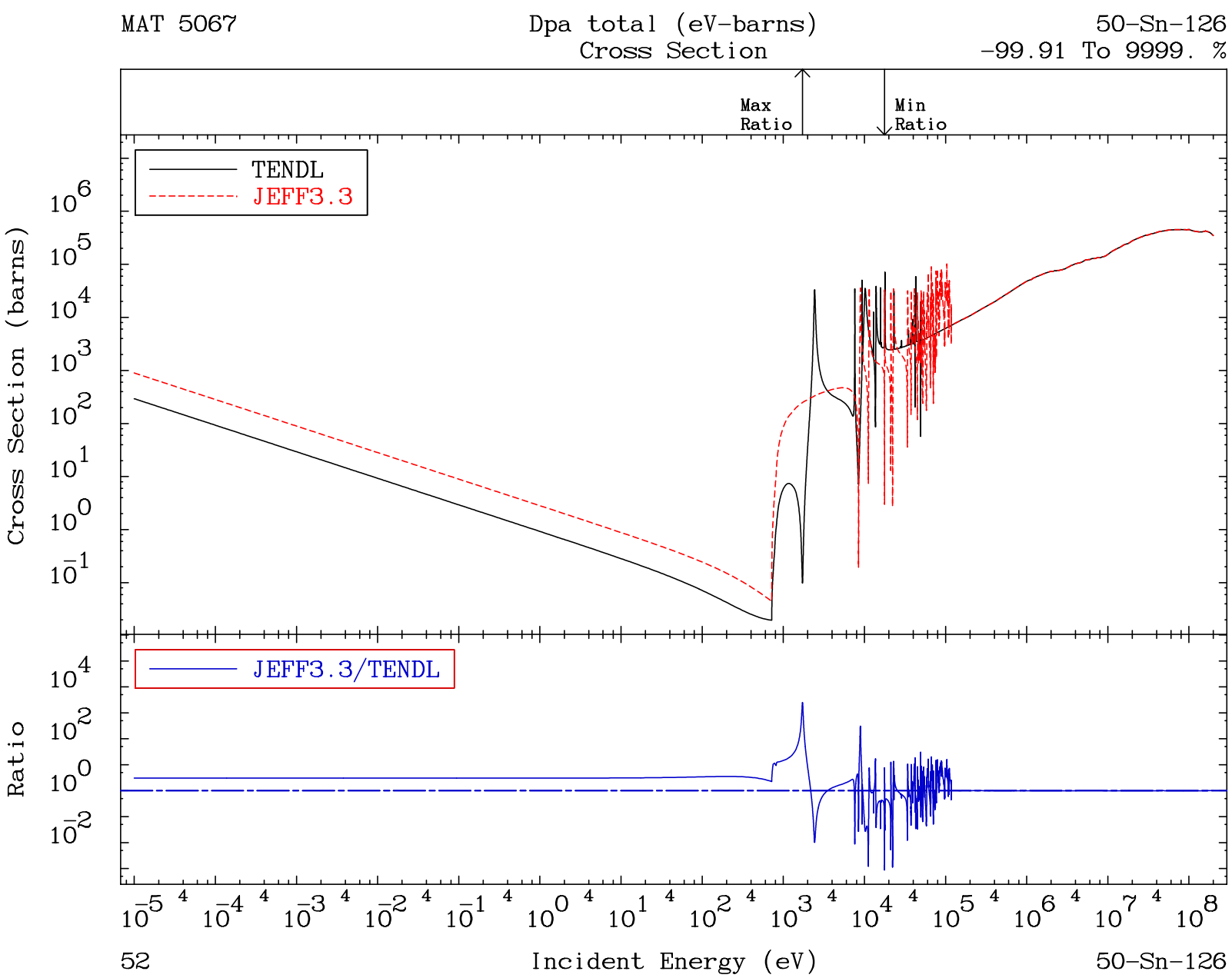

MAT 5067
Kerma inelastic (mt51-91)
Cross Section
50-Sn-126
-17.09 To 10.10 %
Max Ratio
Min Ratio
TENDL Threshold 1.1503 MeV
JEFF3.3 Threshold 1.1503 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
47
50-Sn-126

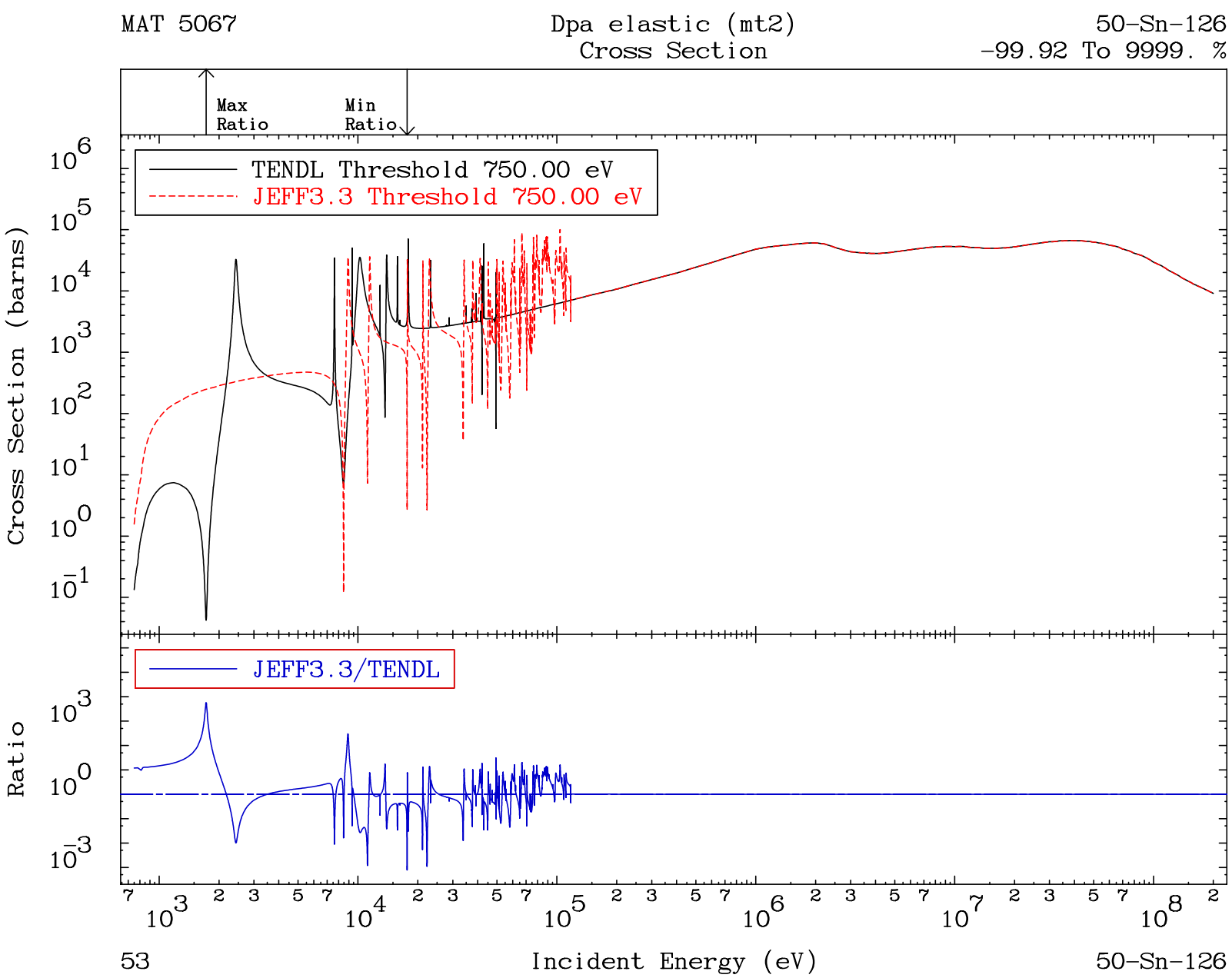

MAT 5067
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
50-Sn-126
-17.09 To 10.10 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
48
Incident Energy (eV)
50-Sn-126

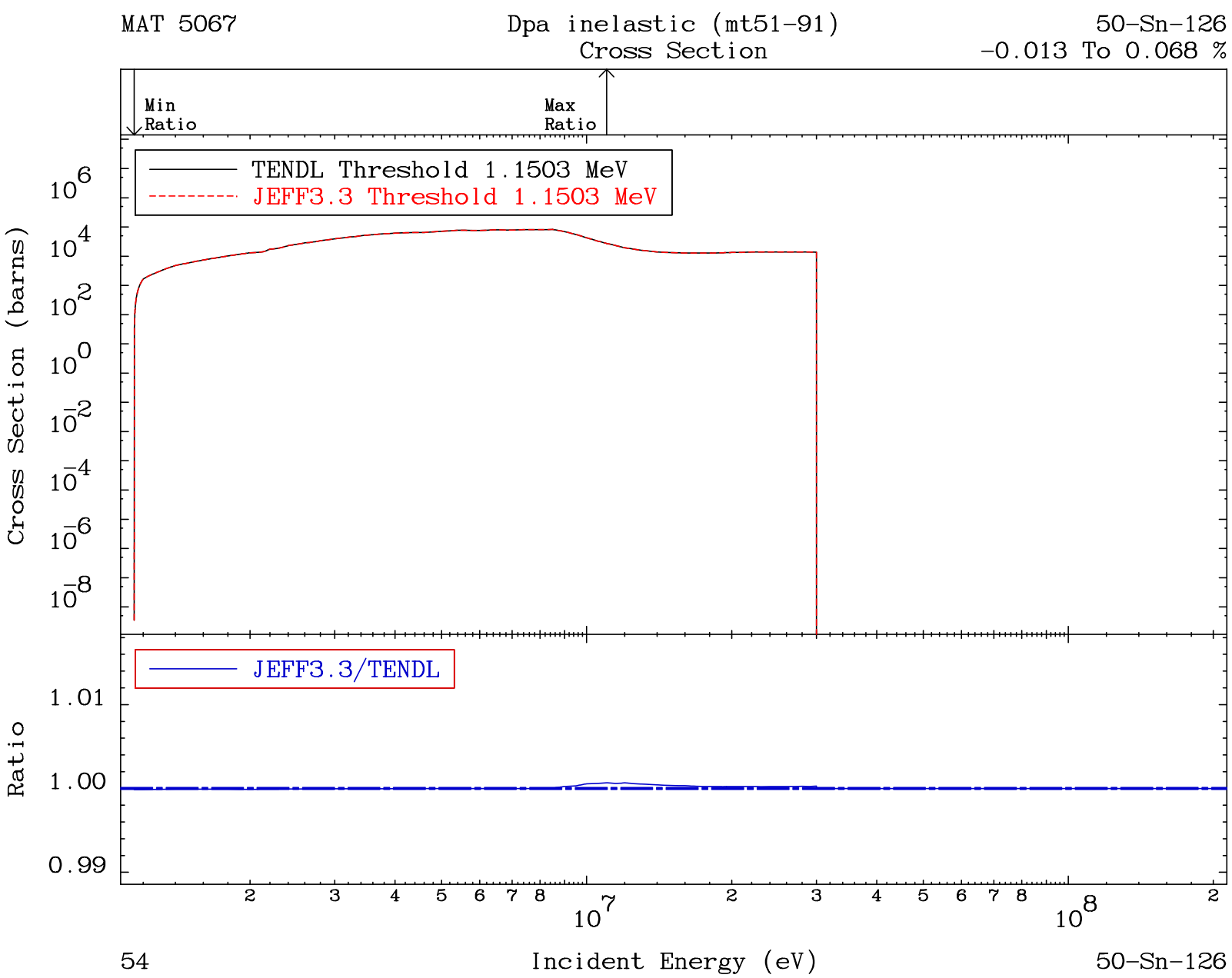

MAT 5067
Kerma capture (mt102)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
49
50-Sn-126

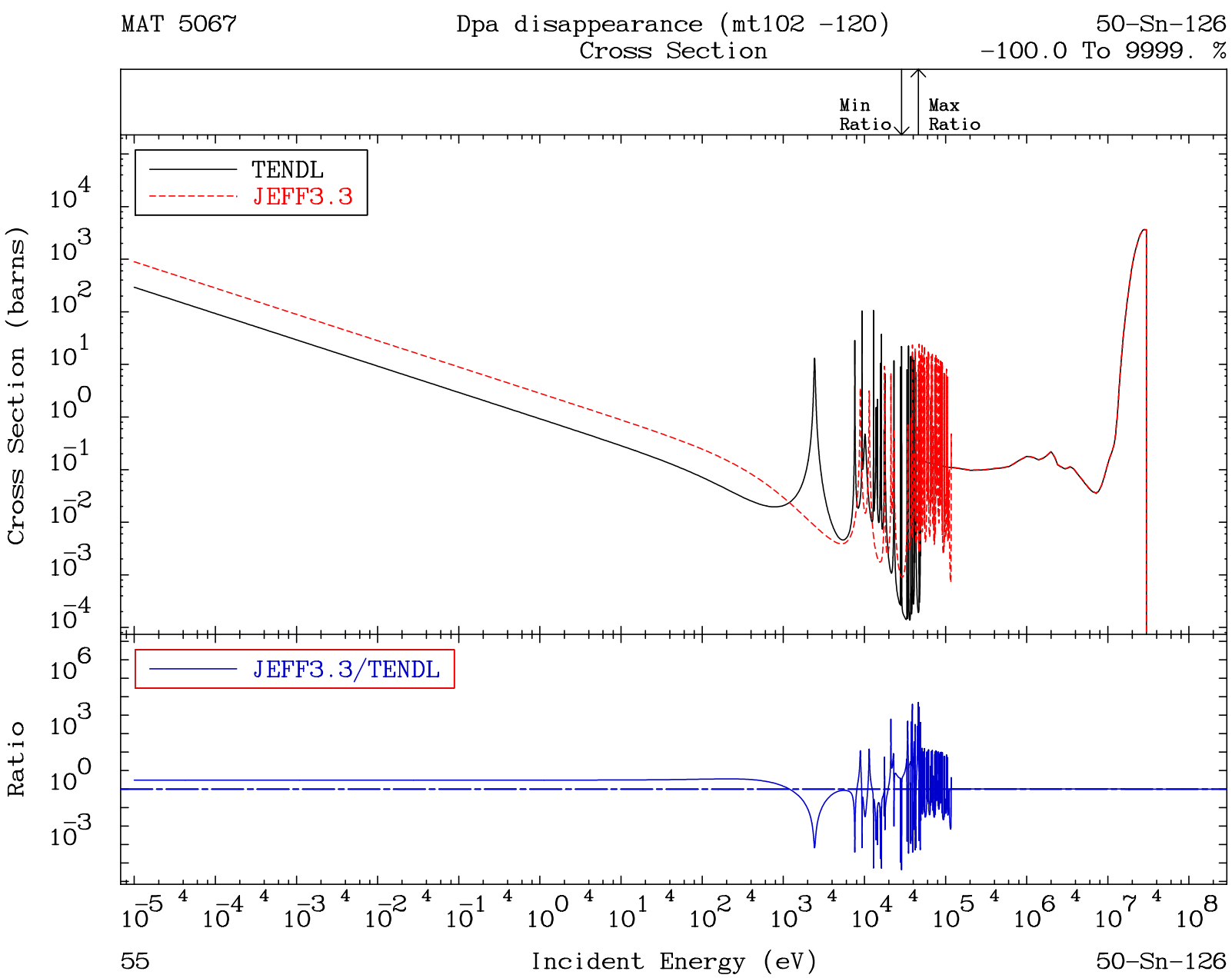

MAT 5067
Total photon (eV-barns)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
50-Sn-126

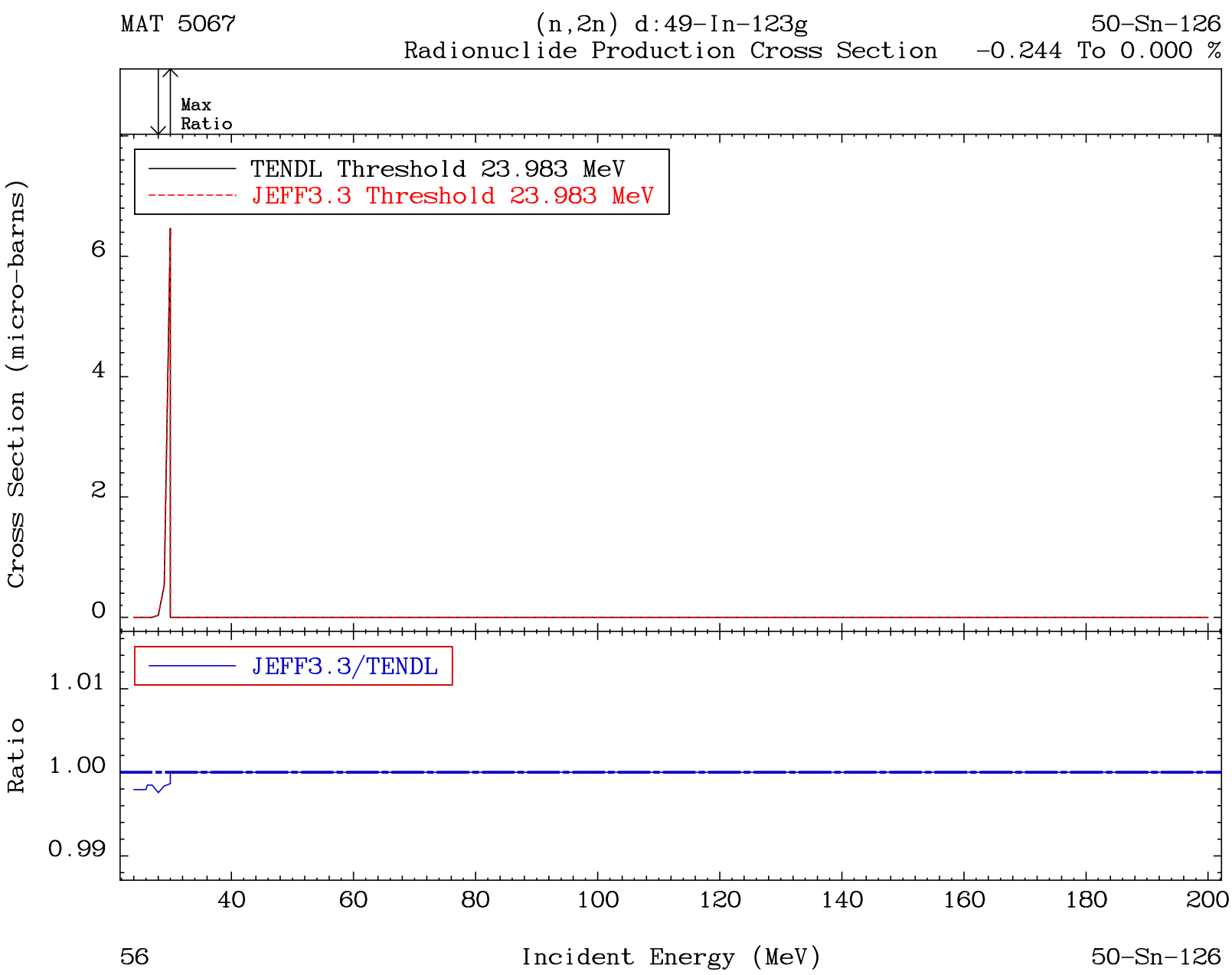

MAT 5067
Total kinematic kerma (high limit)
Cross Section
50-Sn-126
-99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
50-Sn-126

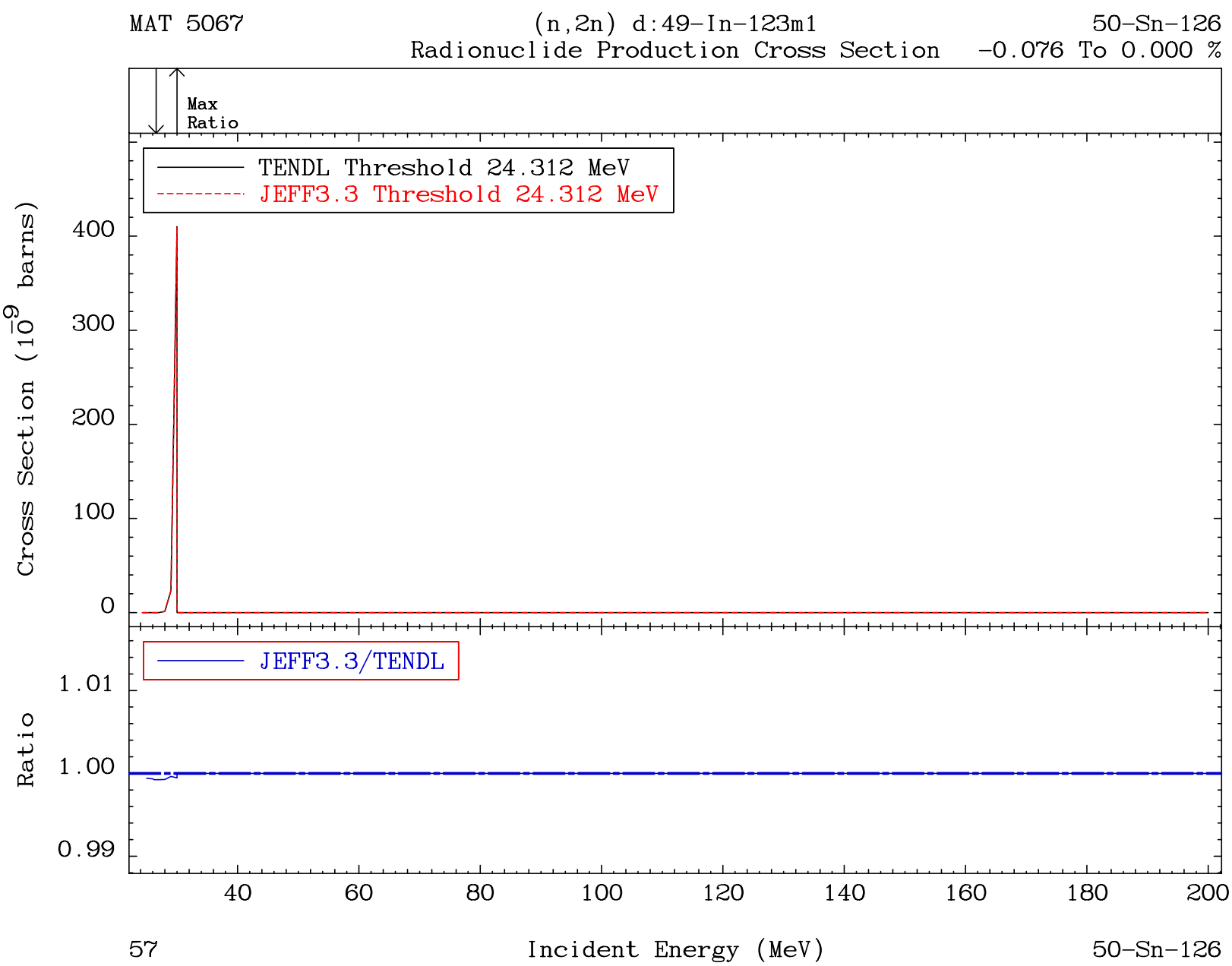

MAT 5067
Dpa total (eV-barns)
Cross Section
50-Sn-126
-99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
50-Sn-126

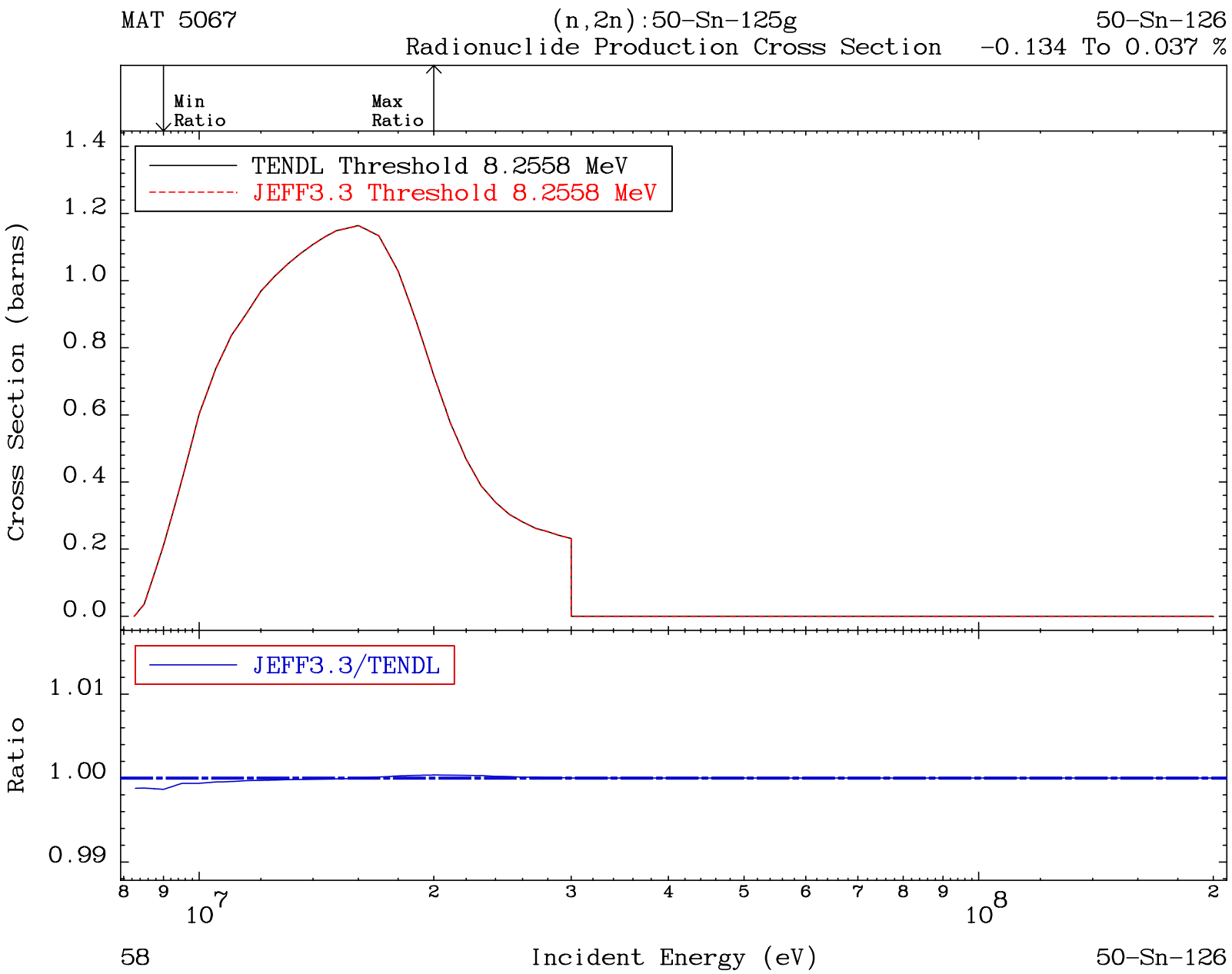

MAT 5067
Dpa elastic (mt2)
Cross Section
50-Sn-126
-99.92 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 750.00 eV
JEFF3.3 Threshold 750.00 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
50-Sn-126

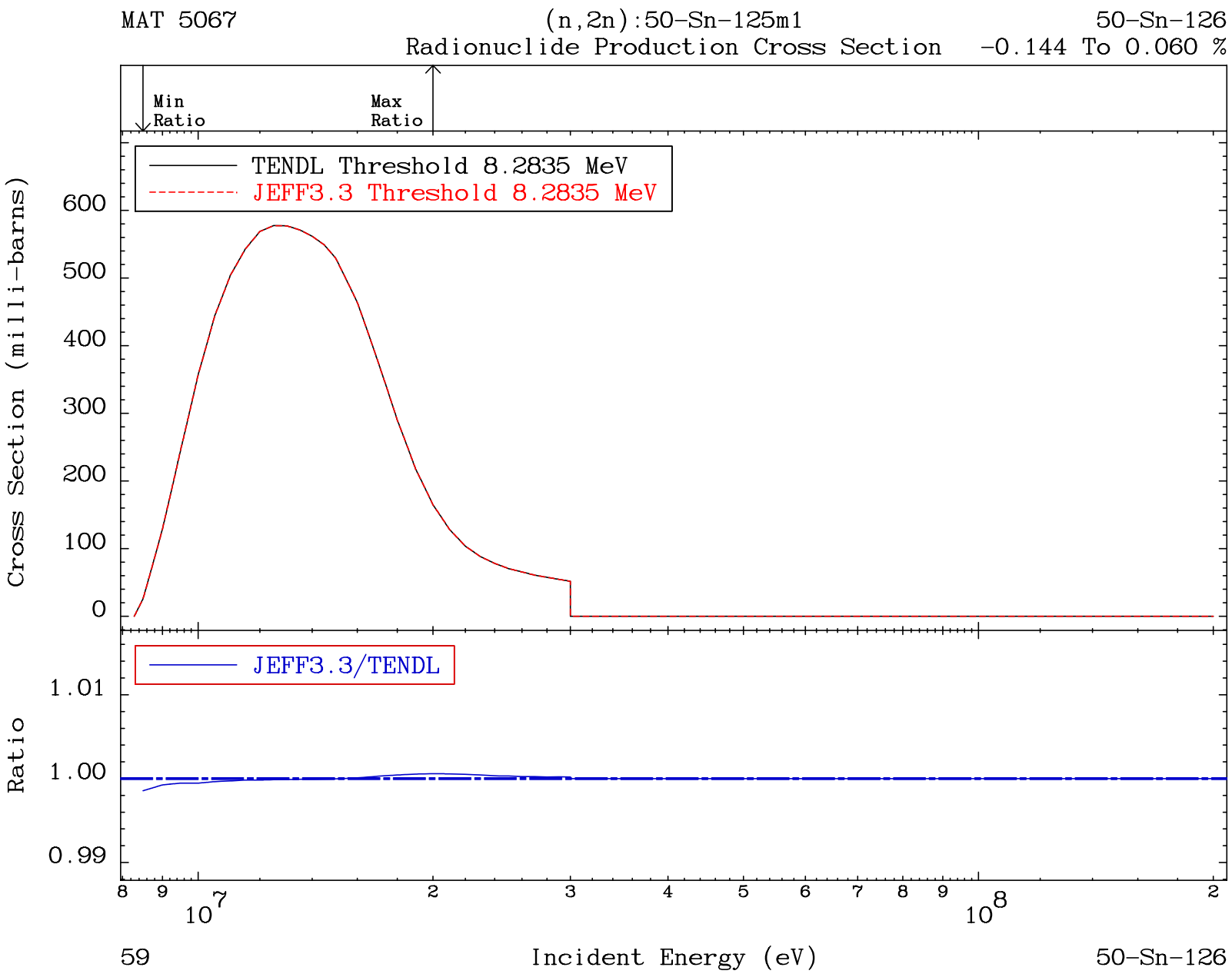

MAT 5067
Dpa inelastic (mt51-91)
Cross Section
50-Sn-126
-0.013 To 0.068 %
Min Ratio
Max Ratio
TENDL Threshold 1.1503 MeV
JEFF3.3 Threshold 1.1503 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
50-Sn-126

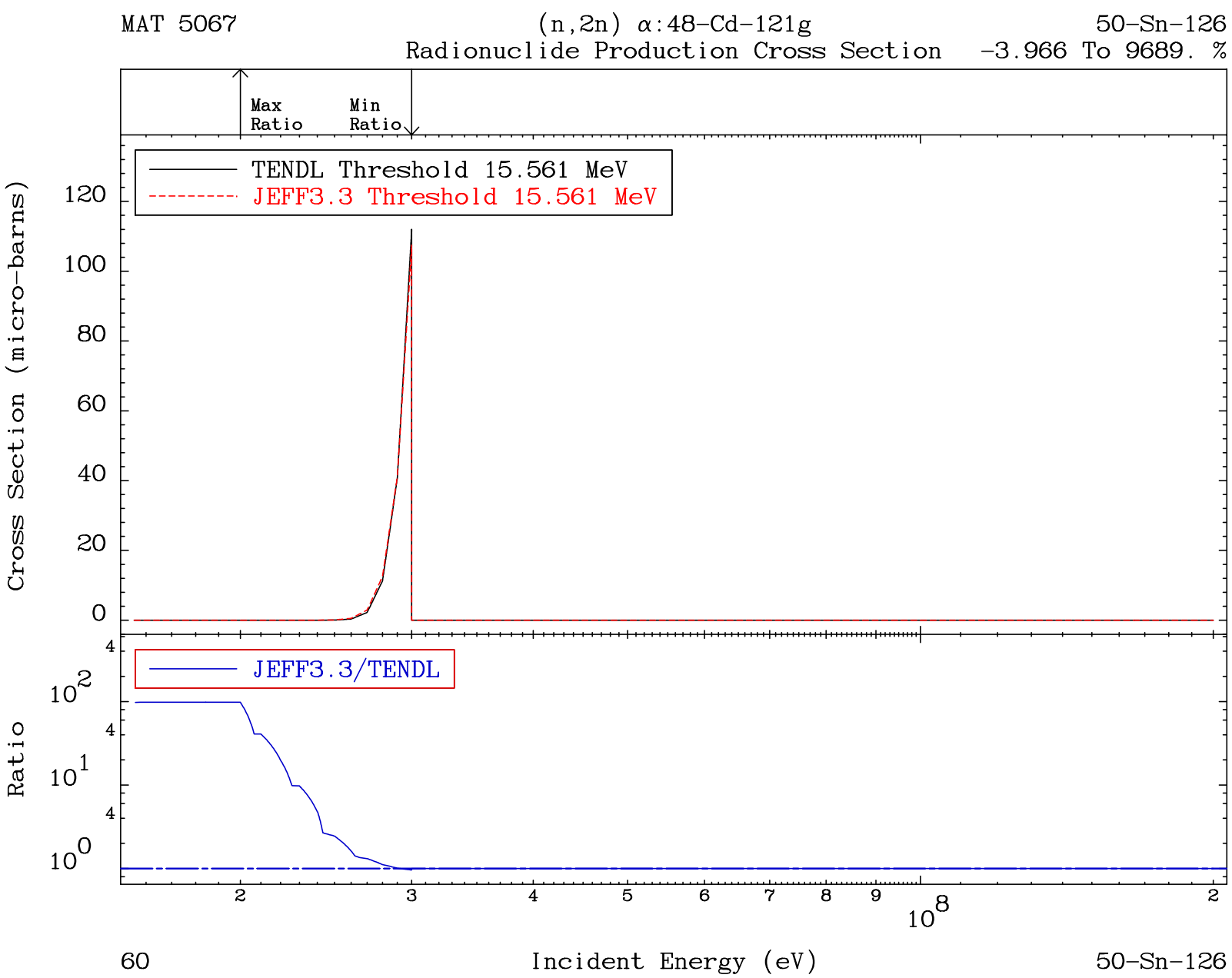

MAT 5067
Dpa disappearance (mt102 -120)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
50-Sn-126

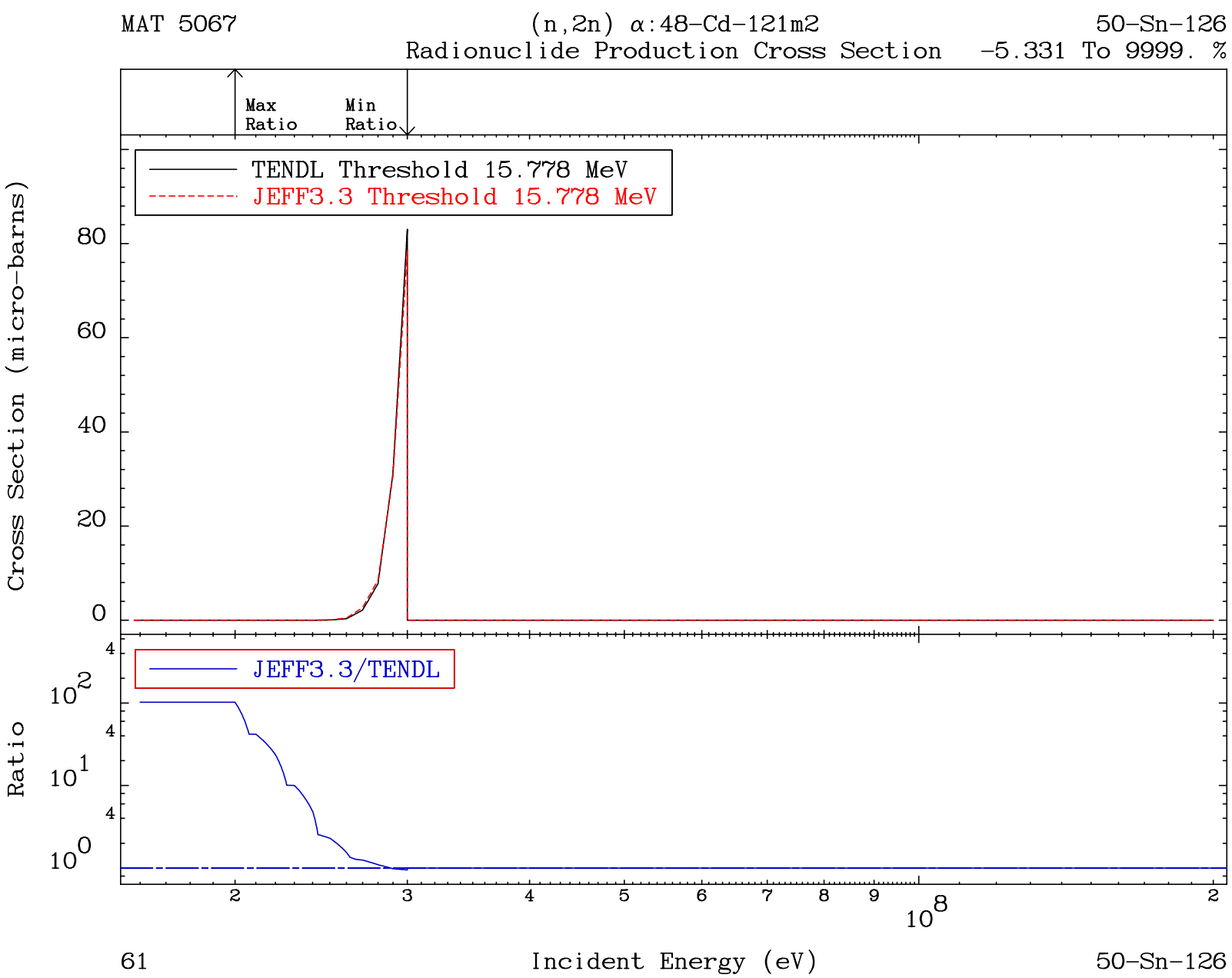

MAT 5067
(n,2n) d:49-In-123g
50-Sn-126
Radionuclide Production Cross Section
-0.244 To 0.000 %
Max
Ratio
TENDL Threshold 23.983 MeV
JEFF3.3 Threshold 23.983 MeV
Cross Section (micro-barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
40
60
80
100
120
140
160
180
200
56
Incident Energy (MeV)
50-Sn-126

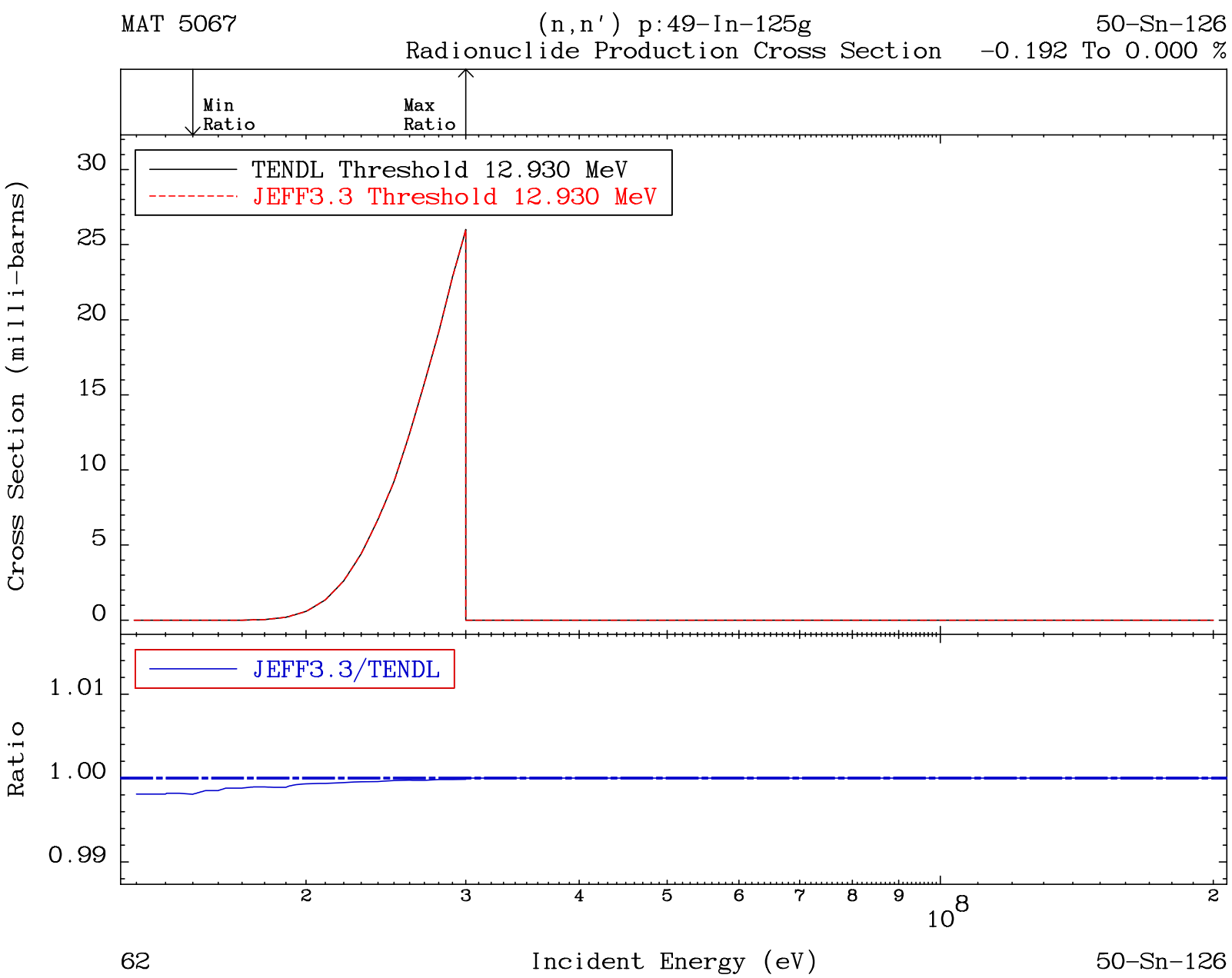

MAT 5067
(n,2n) d:49-In-123m1
50-Sn-126
Radionuclide Production Cross Section
-0.076 To 0.000 %
Max
Ratio
TENDL Threshold 24.312 MeV
JEFF3.3 Threshold 24.312 MeV
Cross Section (10-9 barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
57
Incident Energy (MeV)
50-Sn-126

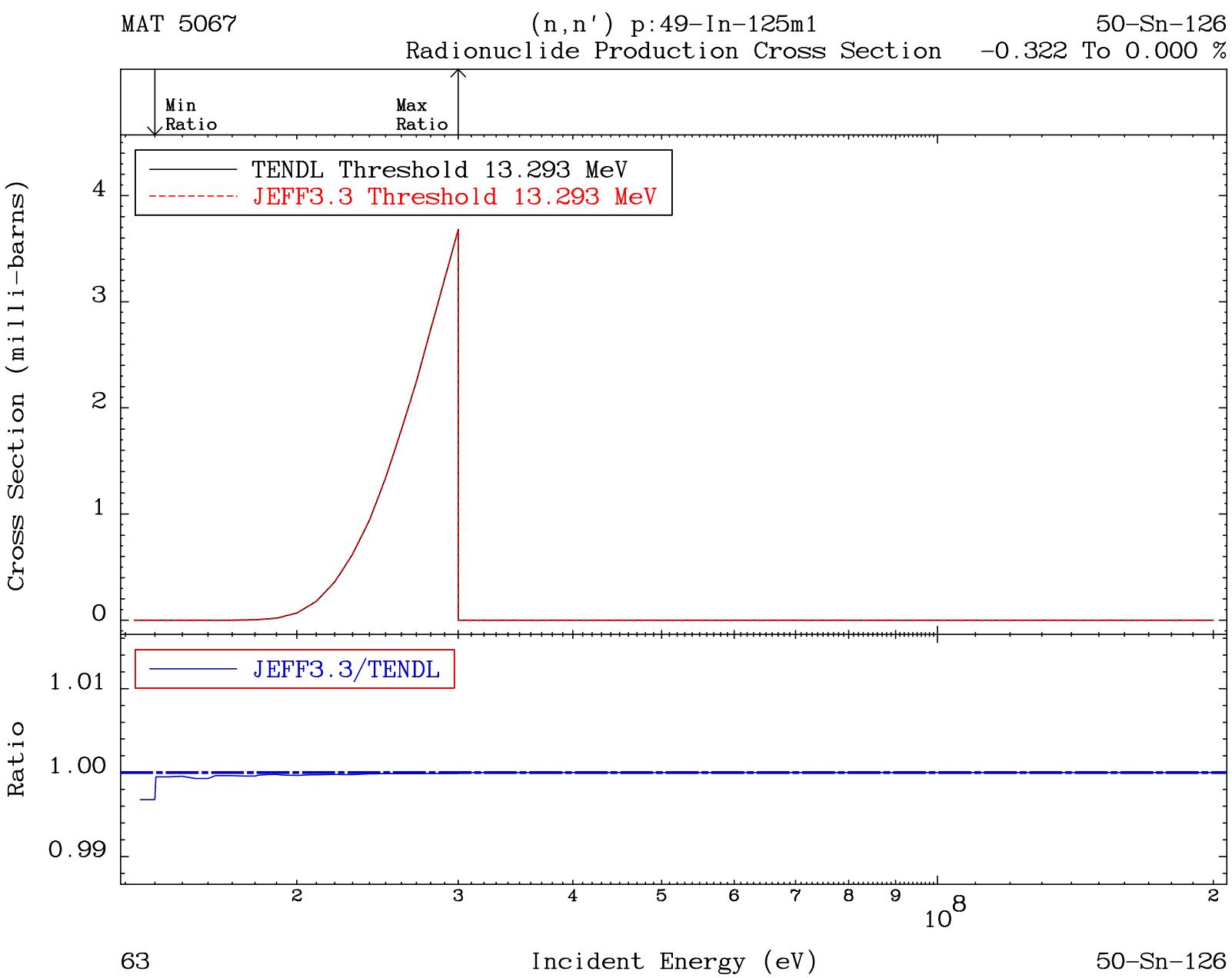

MAT 5067
(n,2n):50-Sn-125g
50-Sn-126
Radionuclide Production Cross Section
-0.134 To 0.037 %
Min Ratio
Max Ratio
TENDL Threshold 8.2558 MeV
JEFF3.3 Threshold 8.2558 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
58
Incident Energy (eV)
50-Sn-126

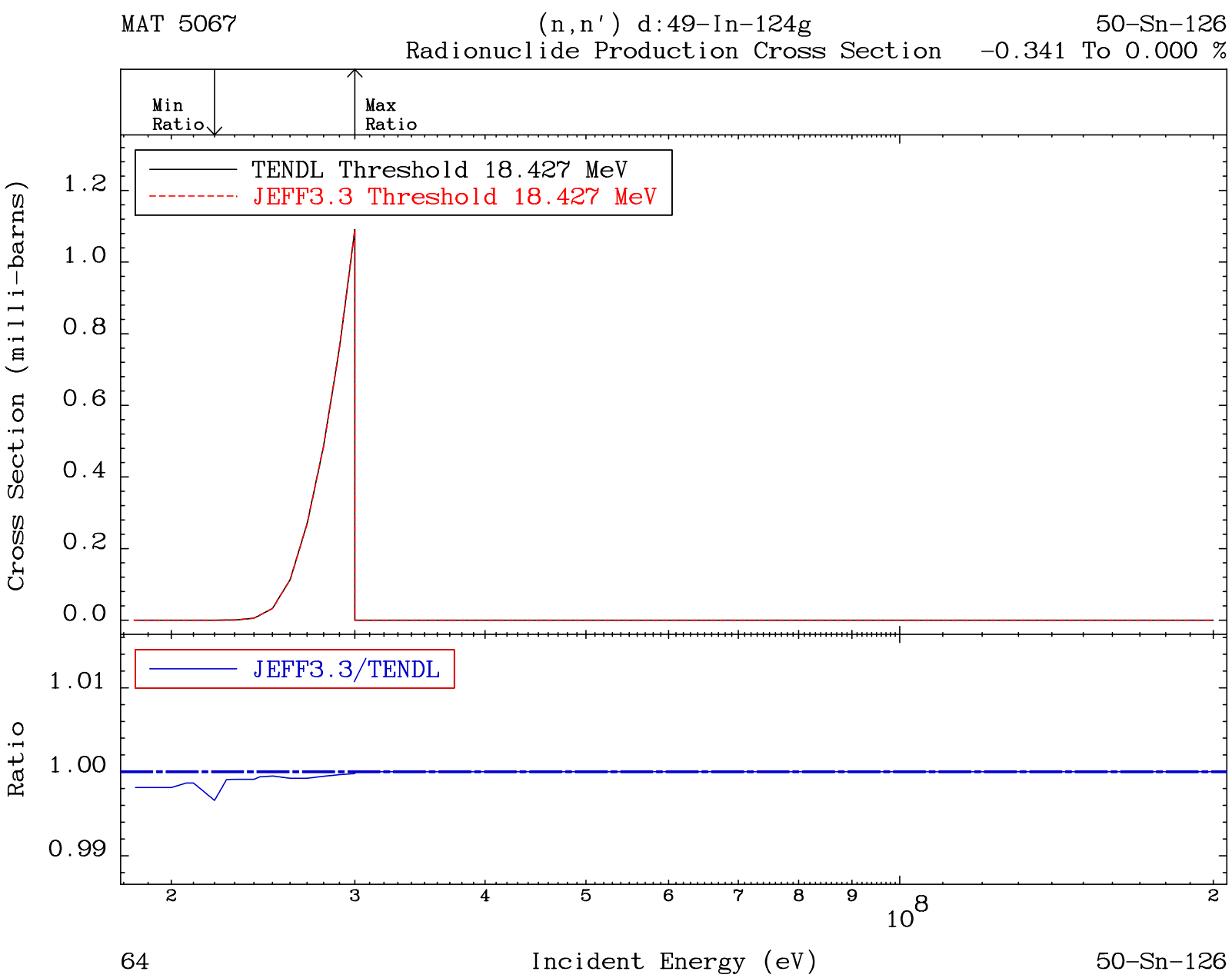

MAT 5067
(n,2n):50-Sn-125m1
50-Sn-126
Radionuclide Production Cross Section -0.144 To 0.060 %
Min Ratio
Max Ratio
TENDL Threshold 8.2835 MeV
JEFF3.3 Threshold 8.2835 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
59
Incident Energy (eV)
50-Sn-126

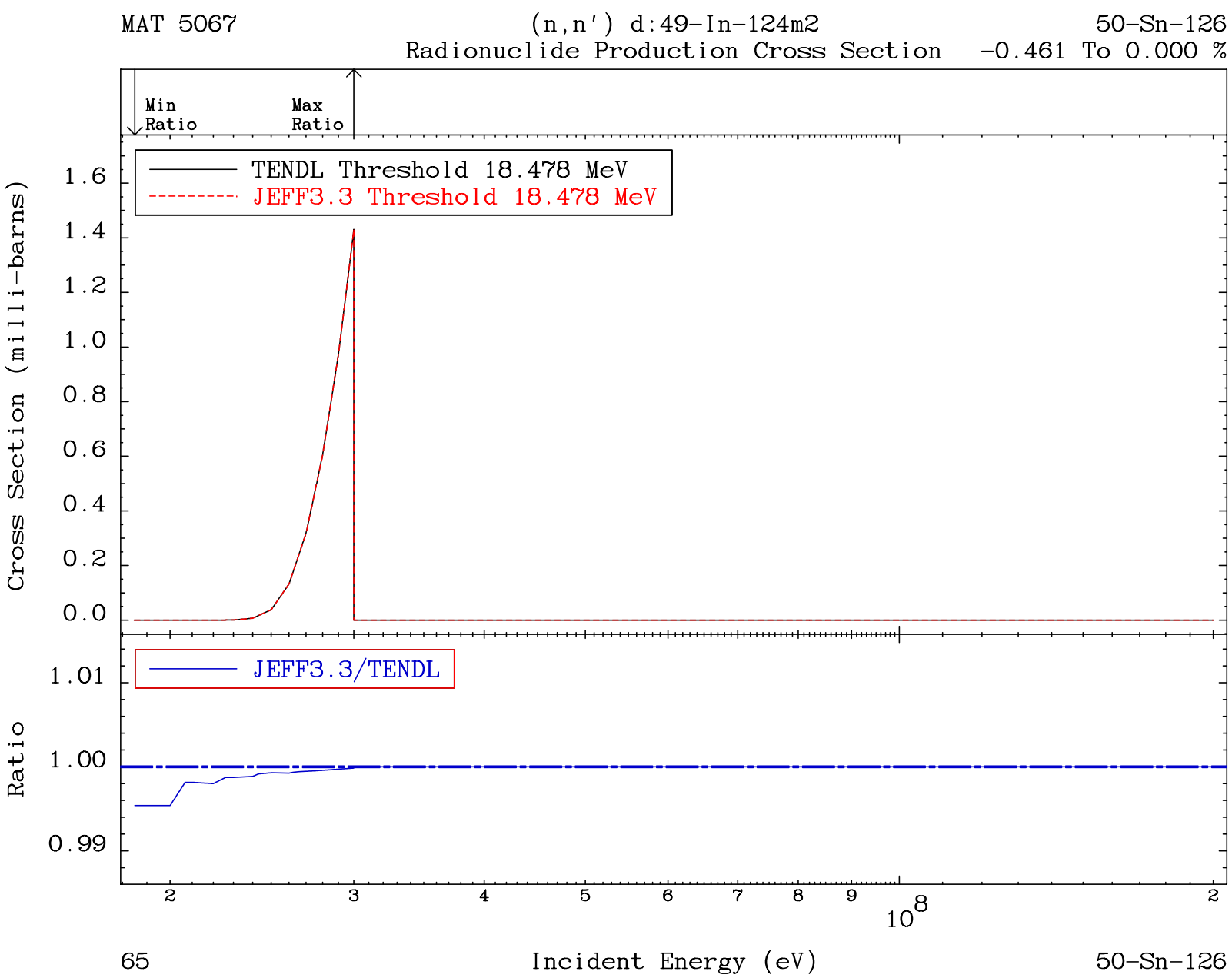

MAT 5067
(n,2n) α:48-Cd-121g
50-Sn-126
Radionuclide Production Cross Section -3.966 To 9689. %
Max Ratio
Min Ratio
TENDL Threshold 15.561 MeV
JEFF3.3 Threshold 15.561 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
50-Sn-126

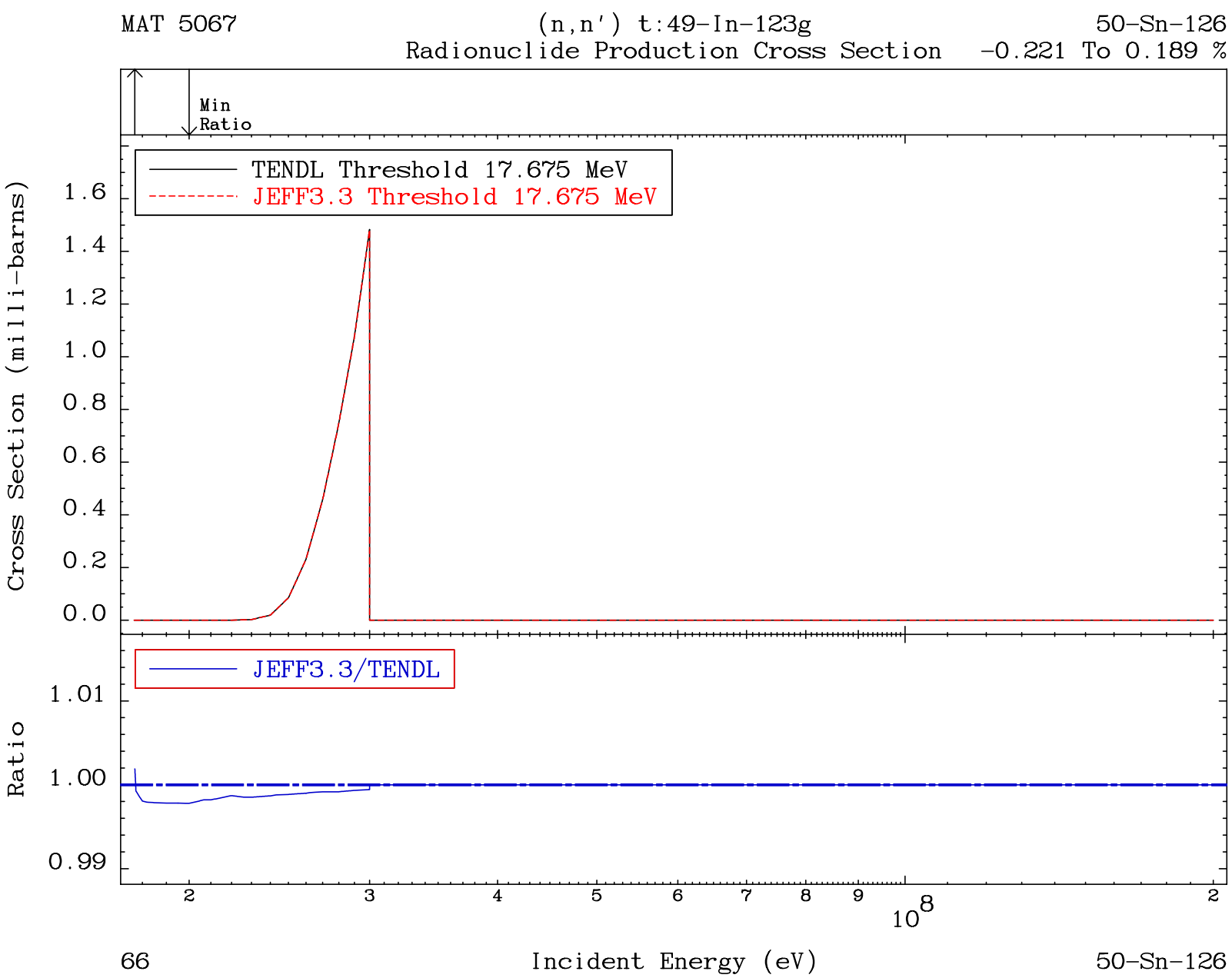

MAT 5067
(n,2n) α:48-Cd-121m2
50-Sn-126
Radionuclide Production Cross Section -5.331 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 15.778 MeV
JEFF3.3 Threshold 15.778 MeV
Cross Section (micro-barns)
0
20
40
60
80
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
50-Sn-126

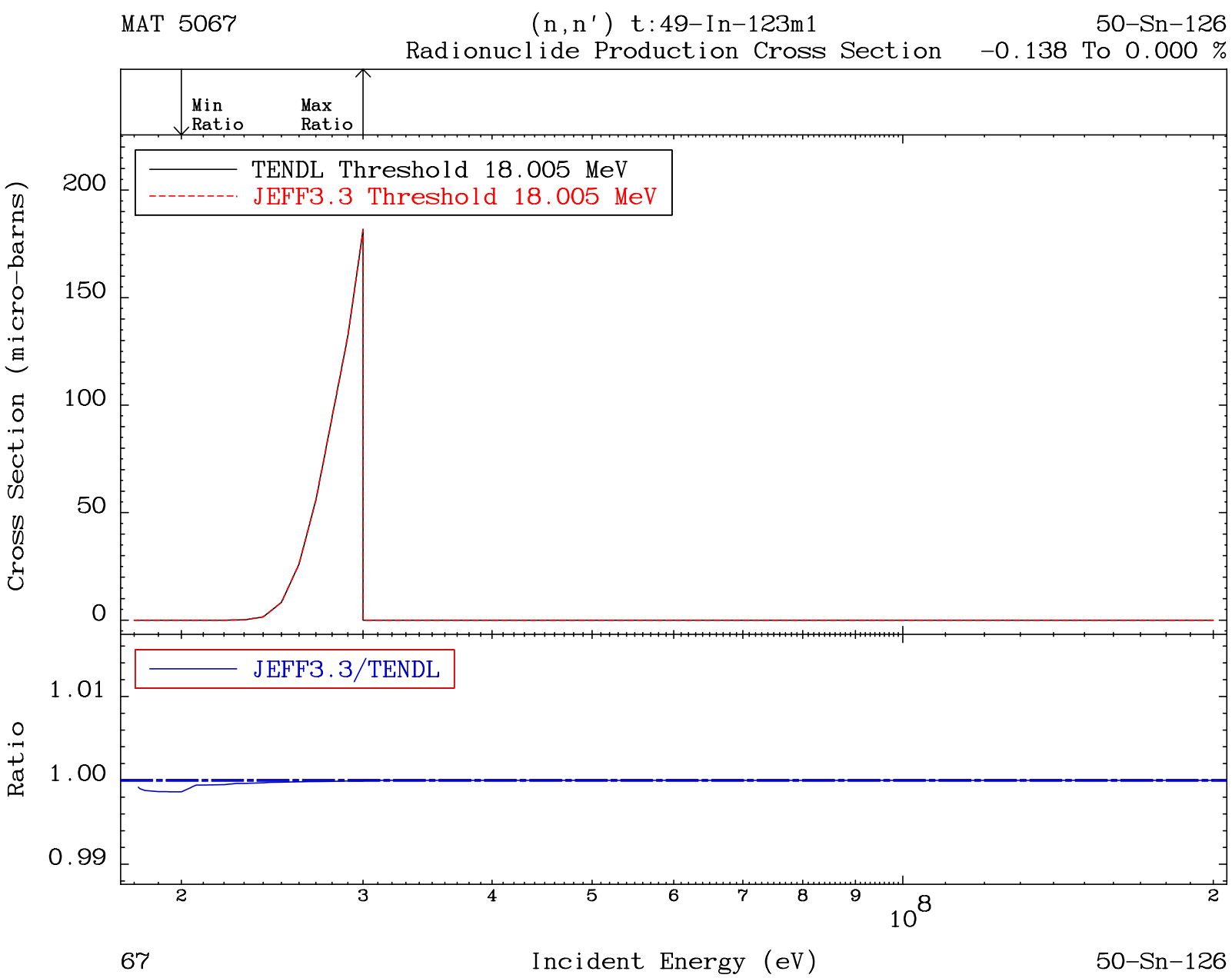

MAT 5067
(n,n') p:49-In-125g
50-Sn-126
Radionuclide Production Cross Section
-0.192 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.930 MeV
JEFF3.3 Threshold 12.930 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
50-Sn-126

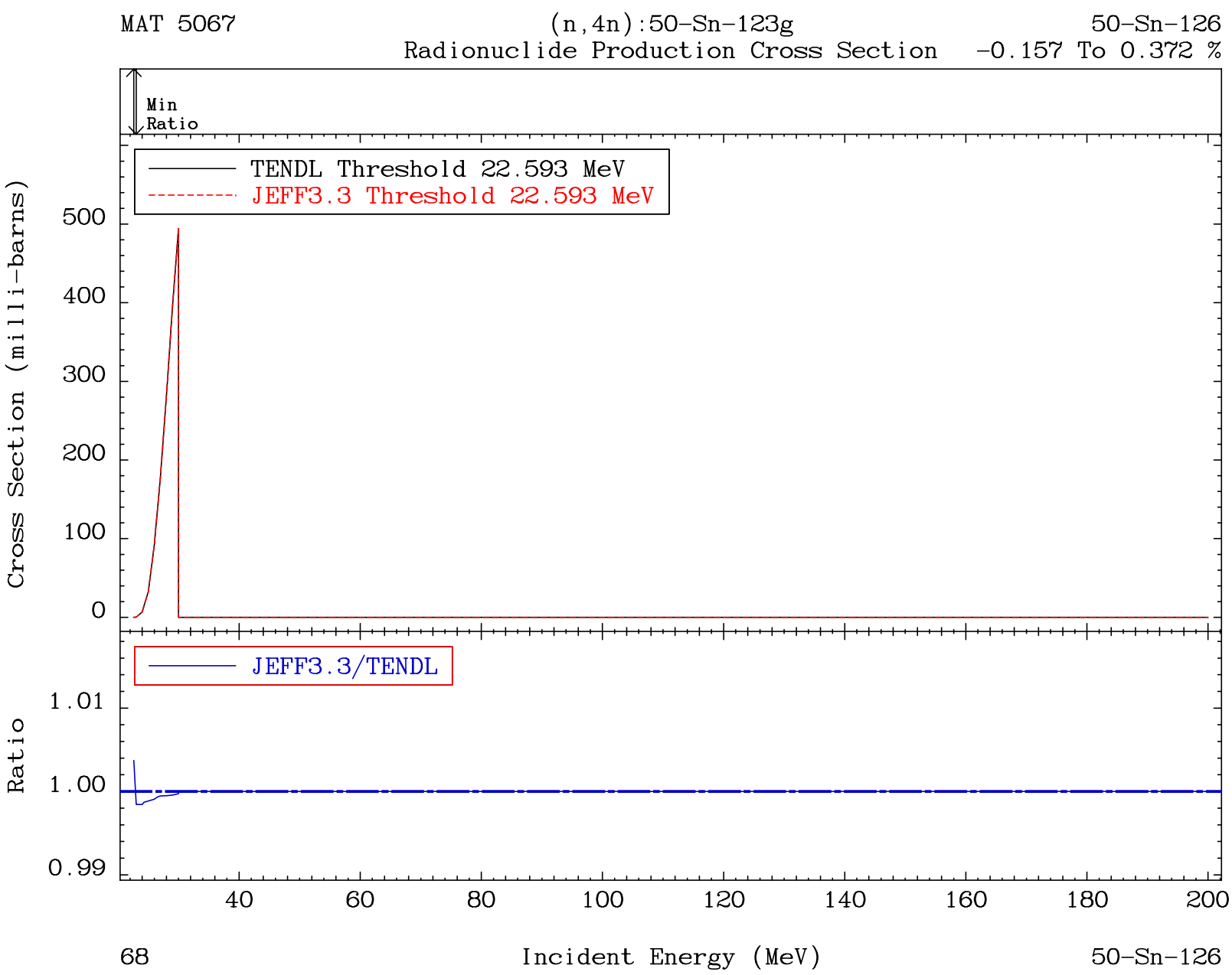

MAT 5067
(n,n') p:49-In-125m1
50-Sn-126
Radionuclide Production Cross Section
-0.322 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 13.293 MeV
JEFF3.3 Threshold 13.293 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
50-Sn-126

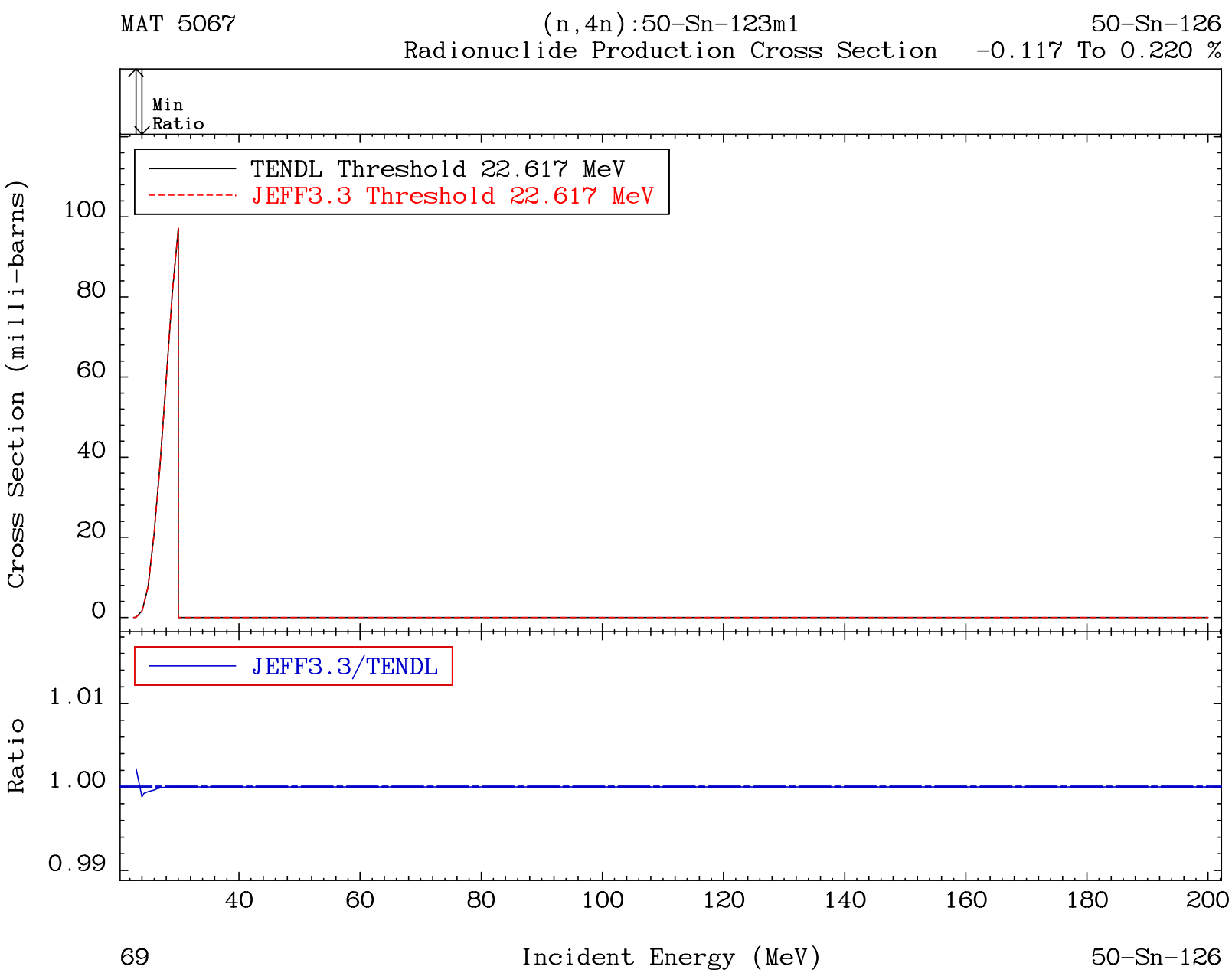

MAT 5067
(n,n') d:49-In-124g
50-Sn-126
Radionuclide Production Cross Section
-0.341 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.427 MeV
JEFF3.3 Threshold 18.427 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
50-Sn-126

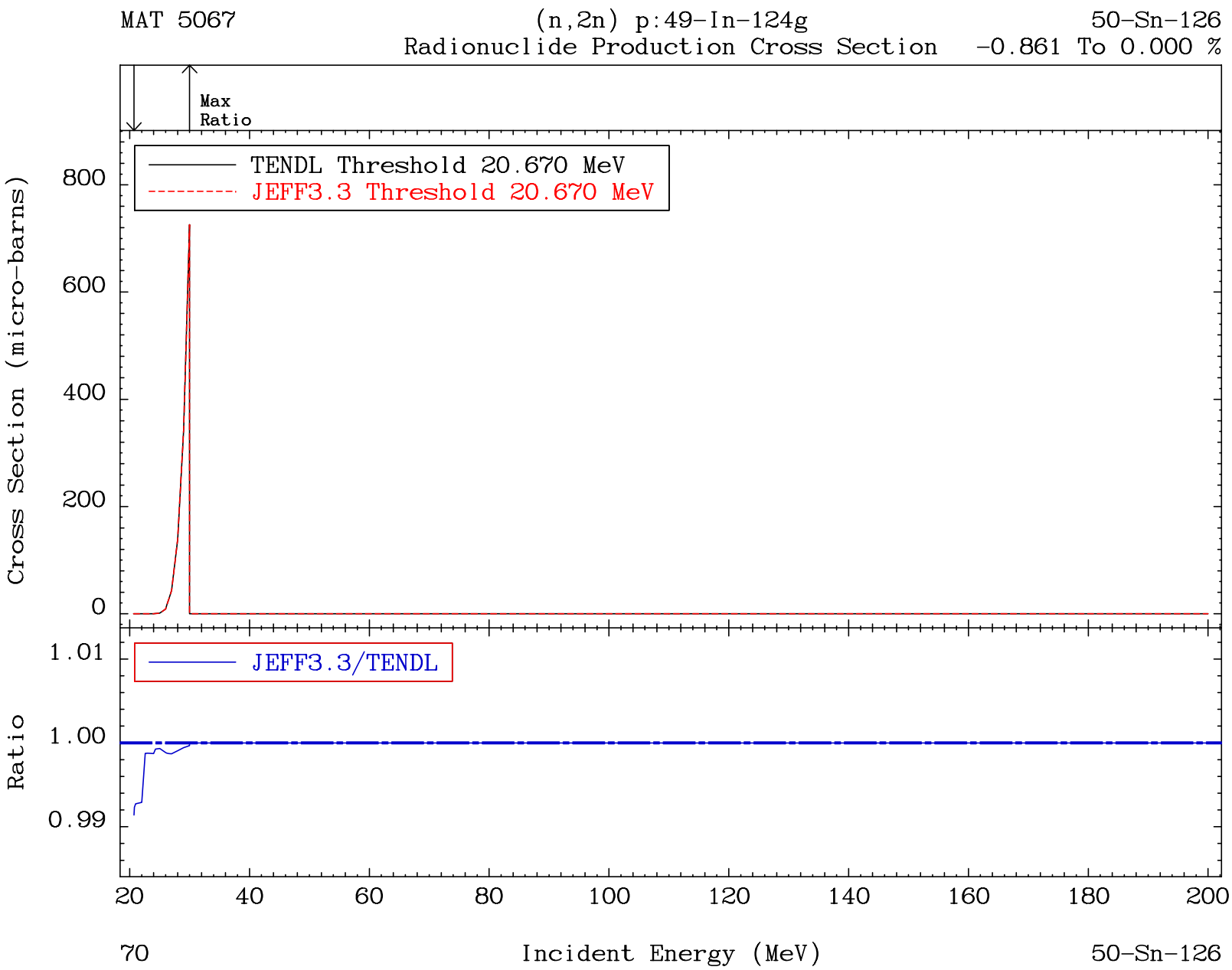

MAT 5067
(n,n') d:49-In-124m2
50-Sn-126
Radionuclide Production Cross Section
-0.461 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.478 MeV
JEFF3.3 Threshold 18.478 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
50-Sn-126

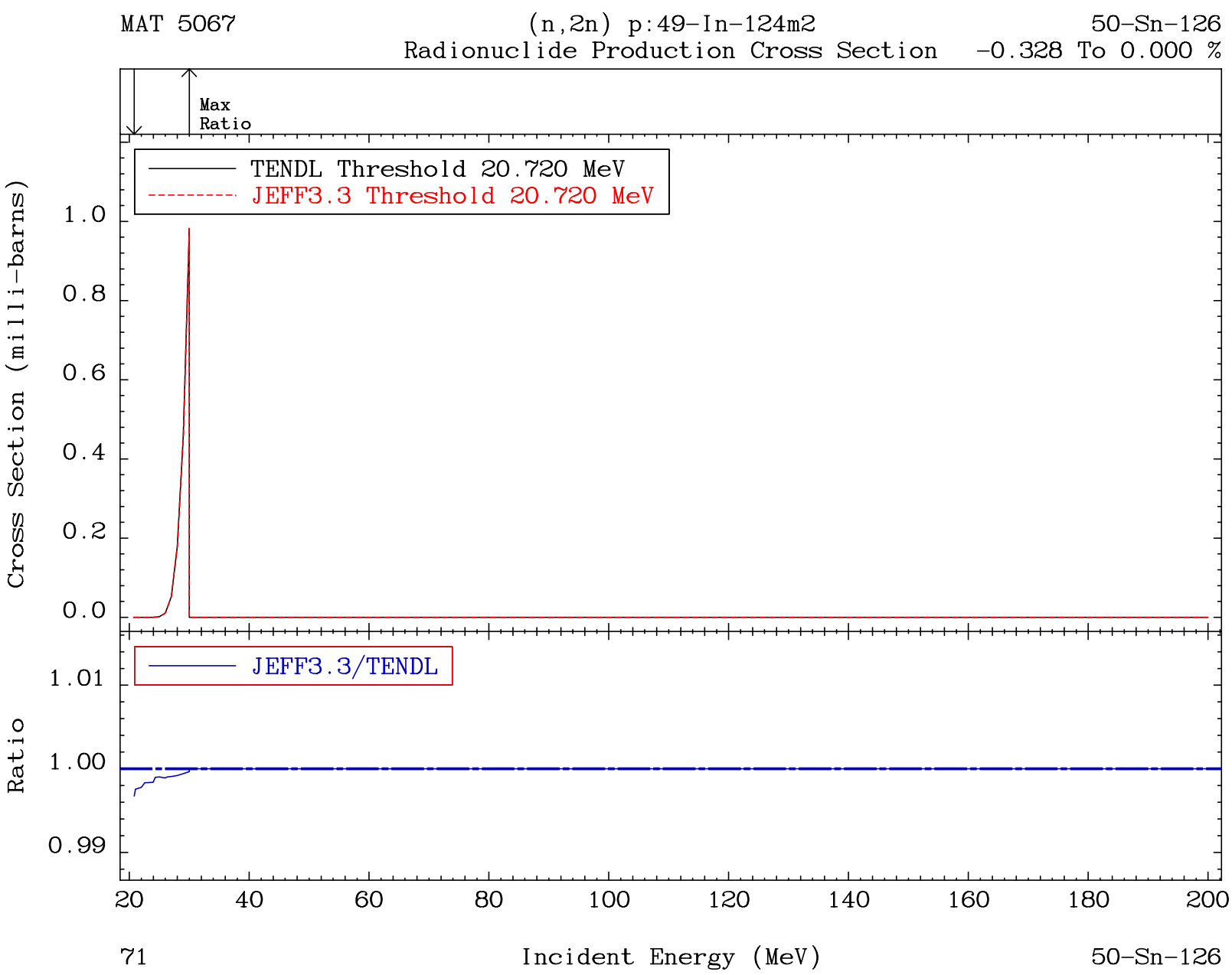

MAT 5067
(n,n') t:49-In-123g
50-Sn-126
Radionuclide Production Cross Section
-0.221 To 0.189 %
Min
Ratio
TENDL Threshold 17.675 MeV
JEFF3.3 Threshold 17.675 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
50-Sn-126

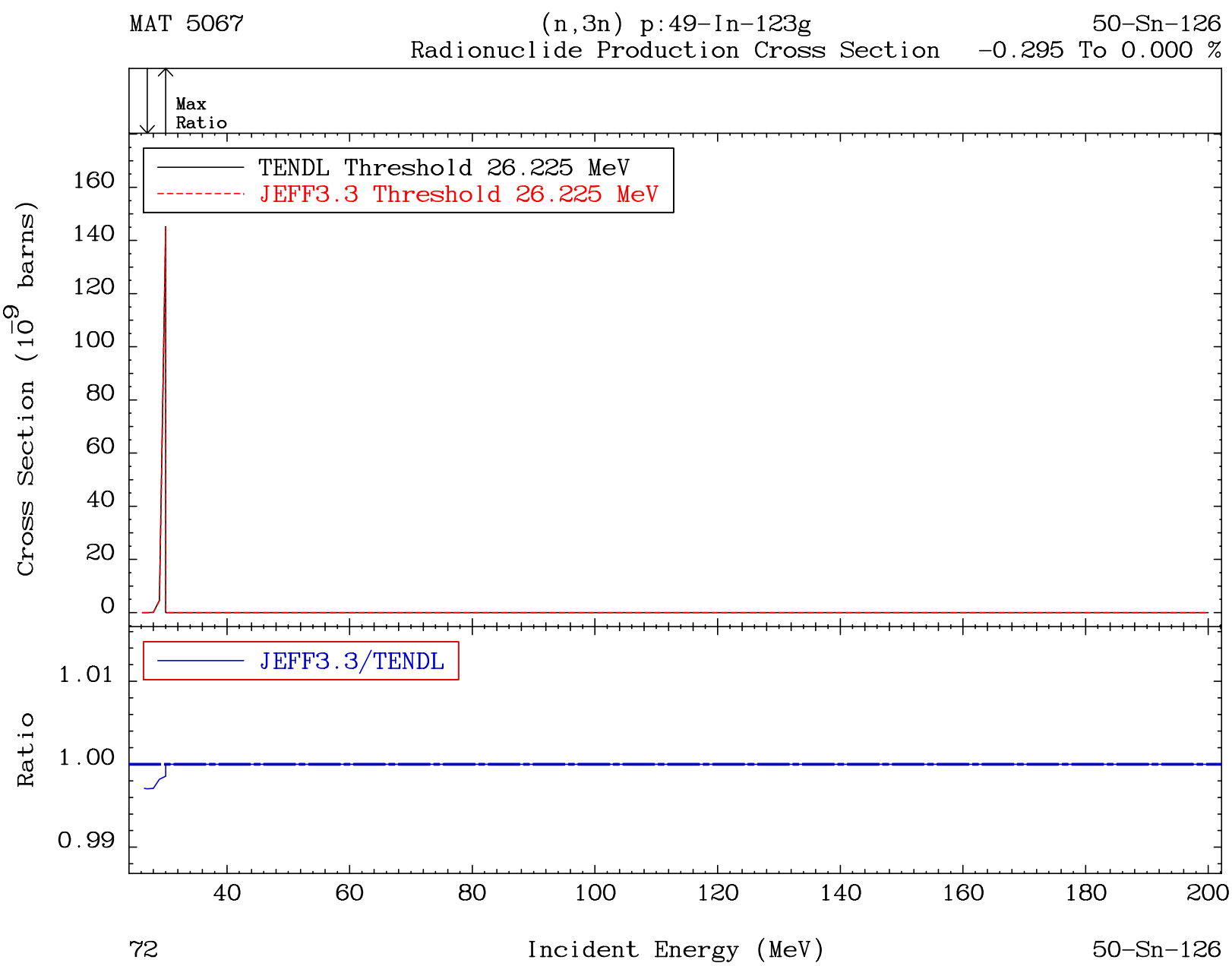

MAT 5067
(n,n') t:49-In-123m1
50-Sn-126
Radionuclide Production Cross Section
-0.138 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.005 MeV
JEFF3.3 Threshold 18.005 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
50-Sn-126

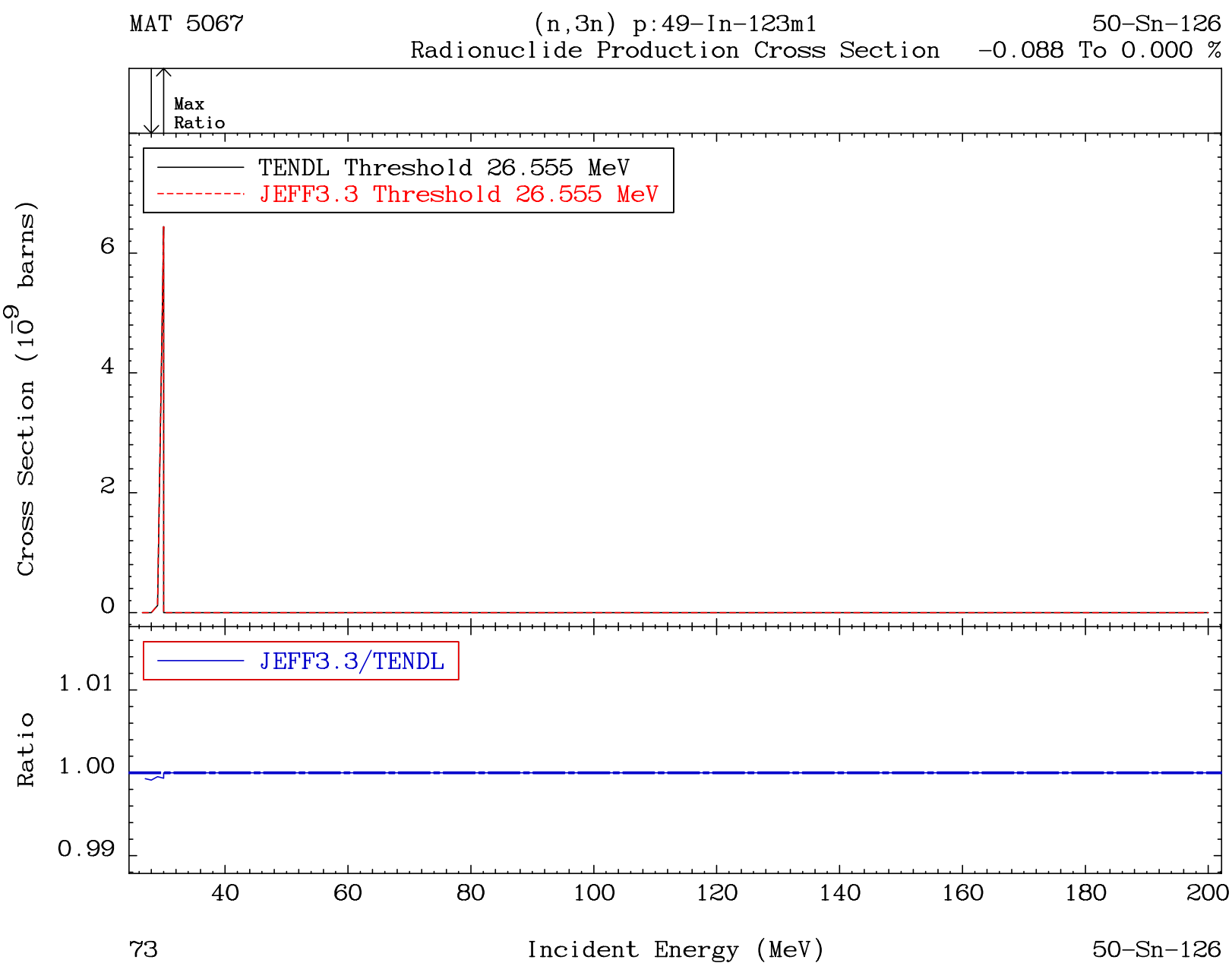

MAT 5067
(n,4n):50-Sn-123g
50-Sn-126
Radionuclide Production Cross Section
-0.157 To 0.372 %
Min
Ratio
TENDL Threshold 22.593 MeV
JEFF3.3 Threshold 22.593 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
68
Incident Energy (MeV)
50-Sn-126

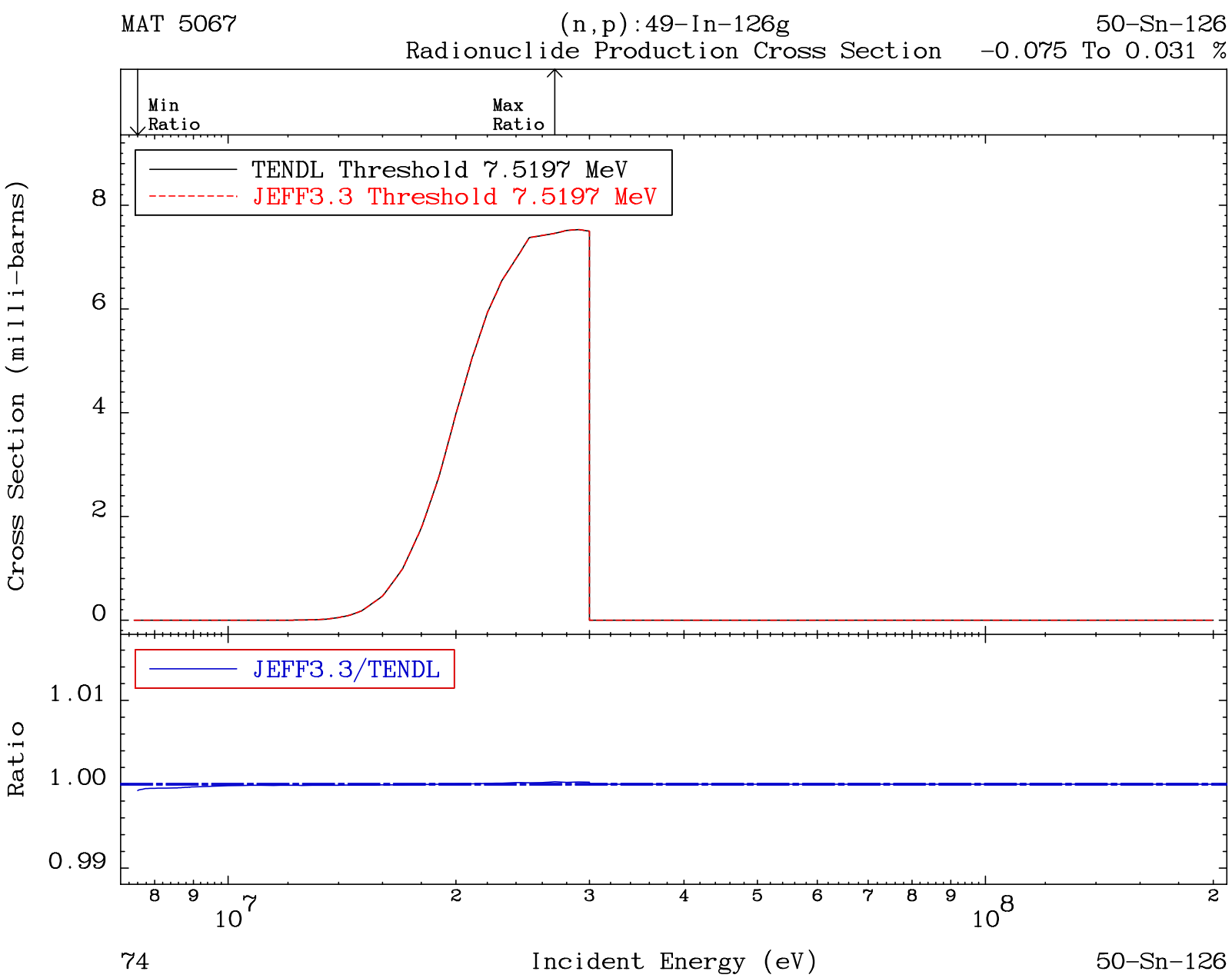

MAT 5067
(n,4n):50-Sn-123m1
50-Sn-126
Radionuclide Production Cross Section
-0.117 To 0.220 %
Min
Ratio
TENDL Threshold 22.617 MeV
JEFF3.3 Threshold 22.617 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
69
Incident Energy (MeV)
50-Sn-126

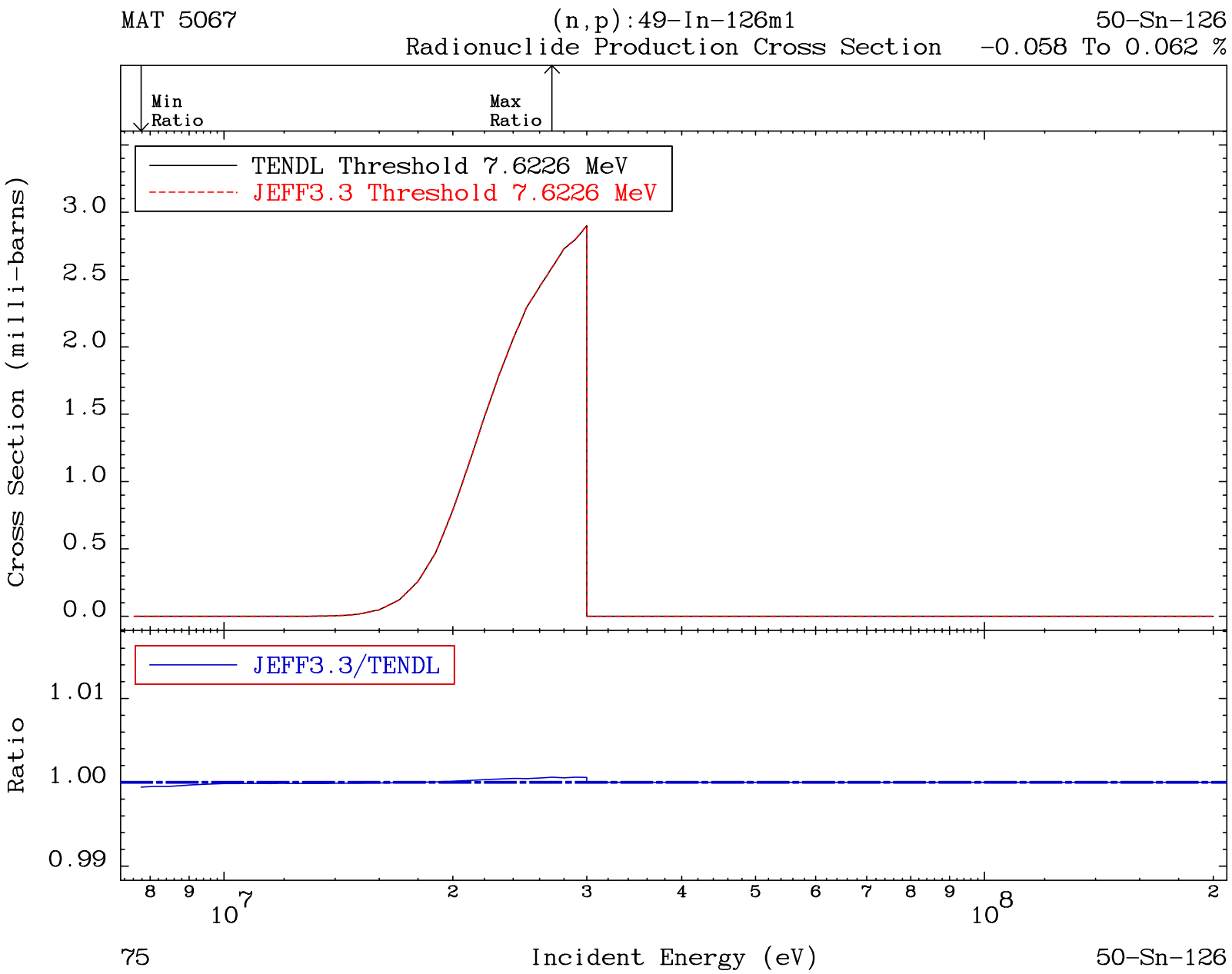

MAT 5067
(n,2n) p:49-In-124g
50-Sn-126
Radionuclide Production Cross Section
-0.861 To 0.000 %
Max
Ratio
TENDL Threshold 20.670 MeV
JEFF3.3 Threshold 20.670 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
70
Incident Energy (MeV)
50-Sn-126

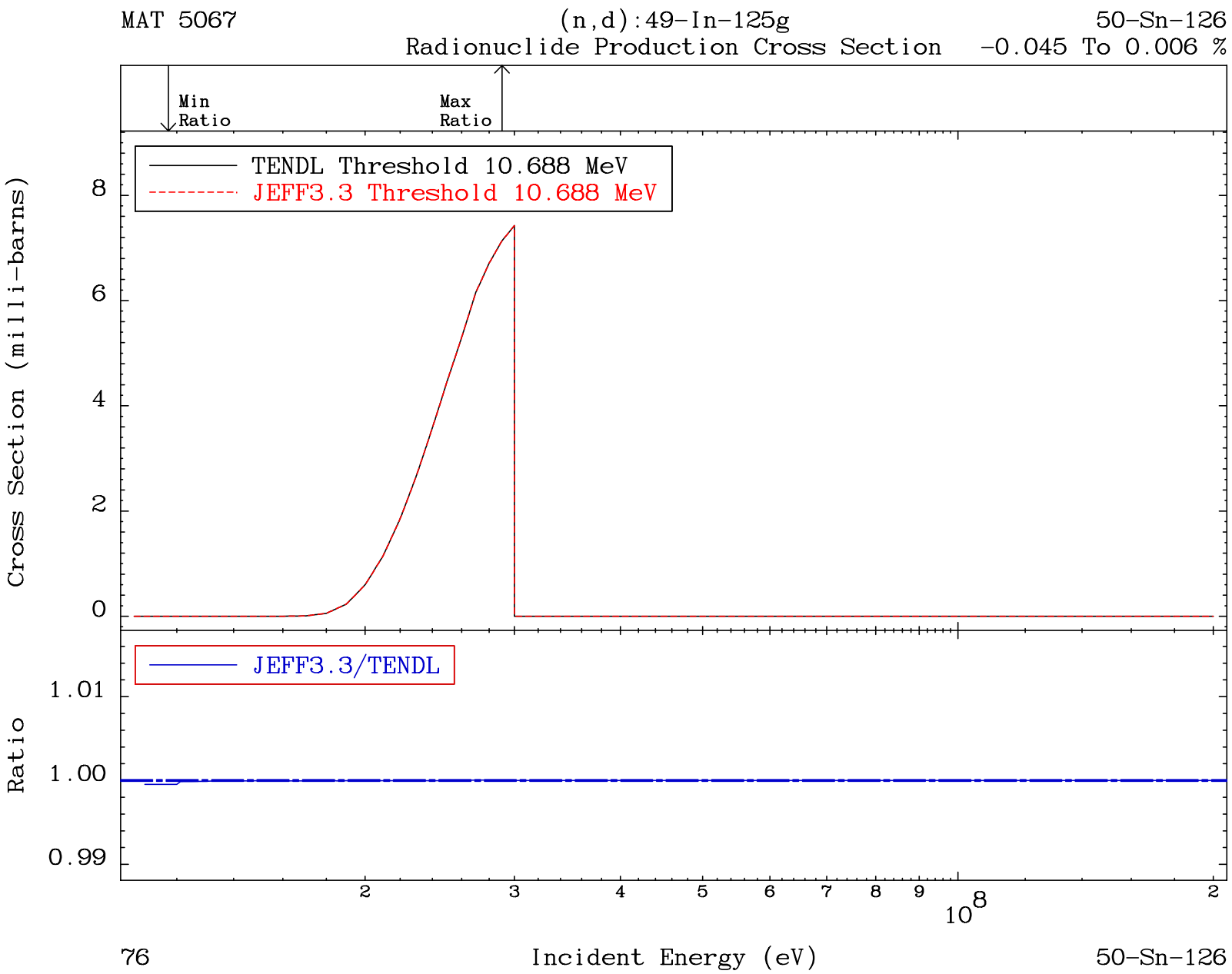

MAT 5067
(n,2n) p:49-In-124m2
50-Sn-126
Radionuclide Production Cross Section
-0.328 To 0.000 %
Max
Ratio
TENDL Threshold 20.720 MeV
JEFF3.3 Threshold 20.720 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
71
Incident Energy (MeV)
50-Sn-126

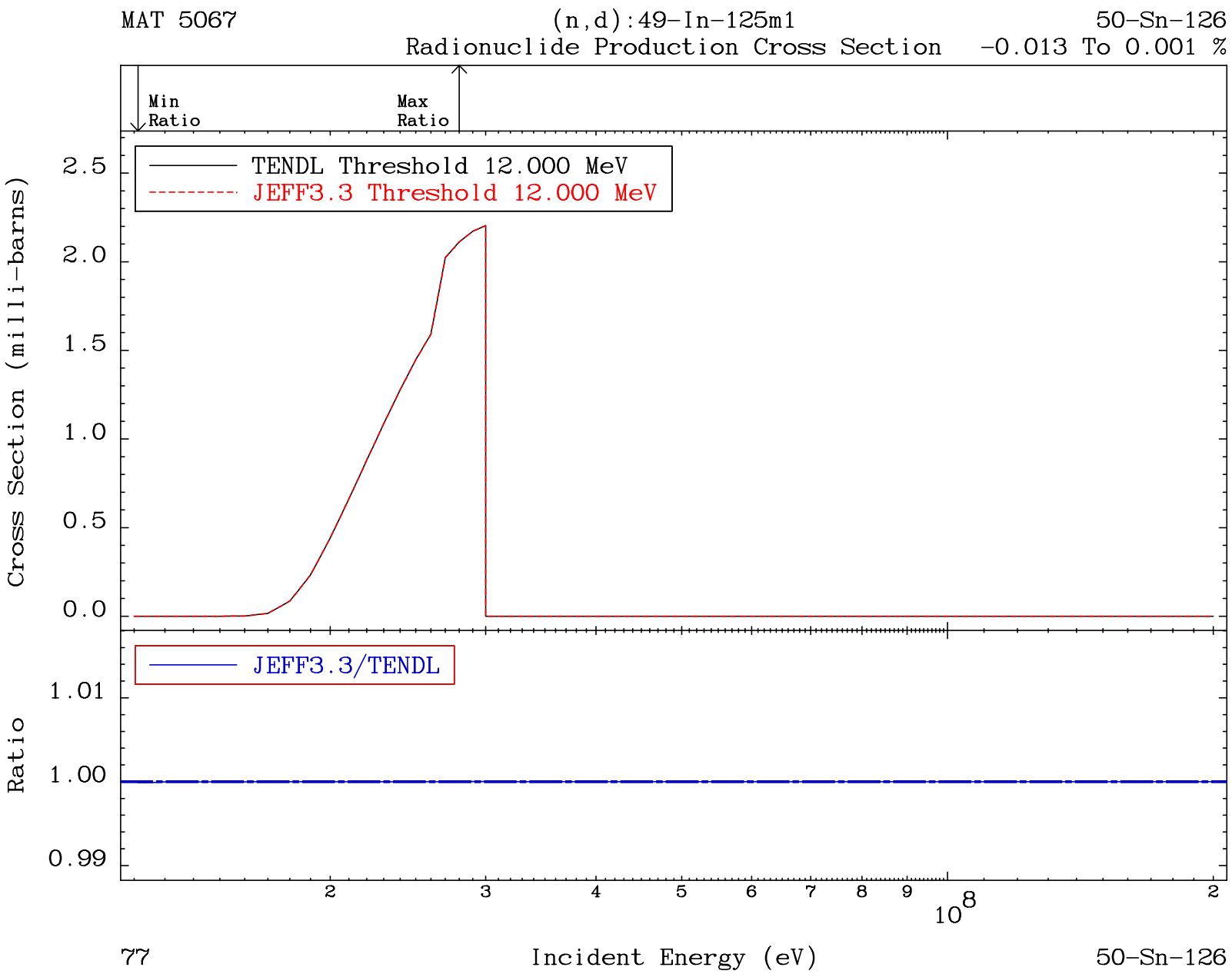

MAT 5067
(n,3n) p:49-In-123g
50-Sn-126
Radionuclide Production Cross Section
-0.295 To 0.000 %
Max
Ratio
TENDL Threshold 26.225 MeV
JEFF3.3 Threshold 26.225 MeV
Cross Section (10^{-9} barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
72
Incident Energy (MeV)
50-Sn-126

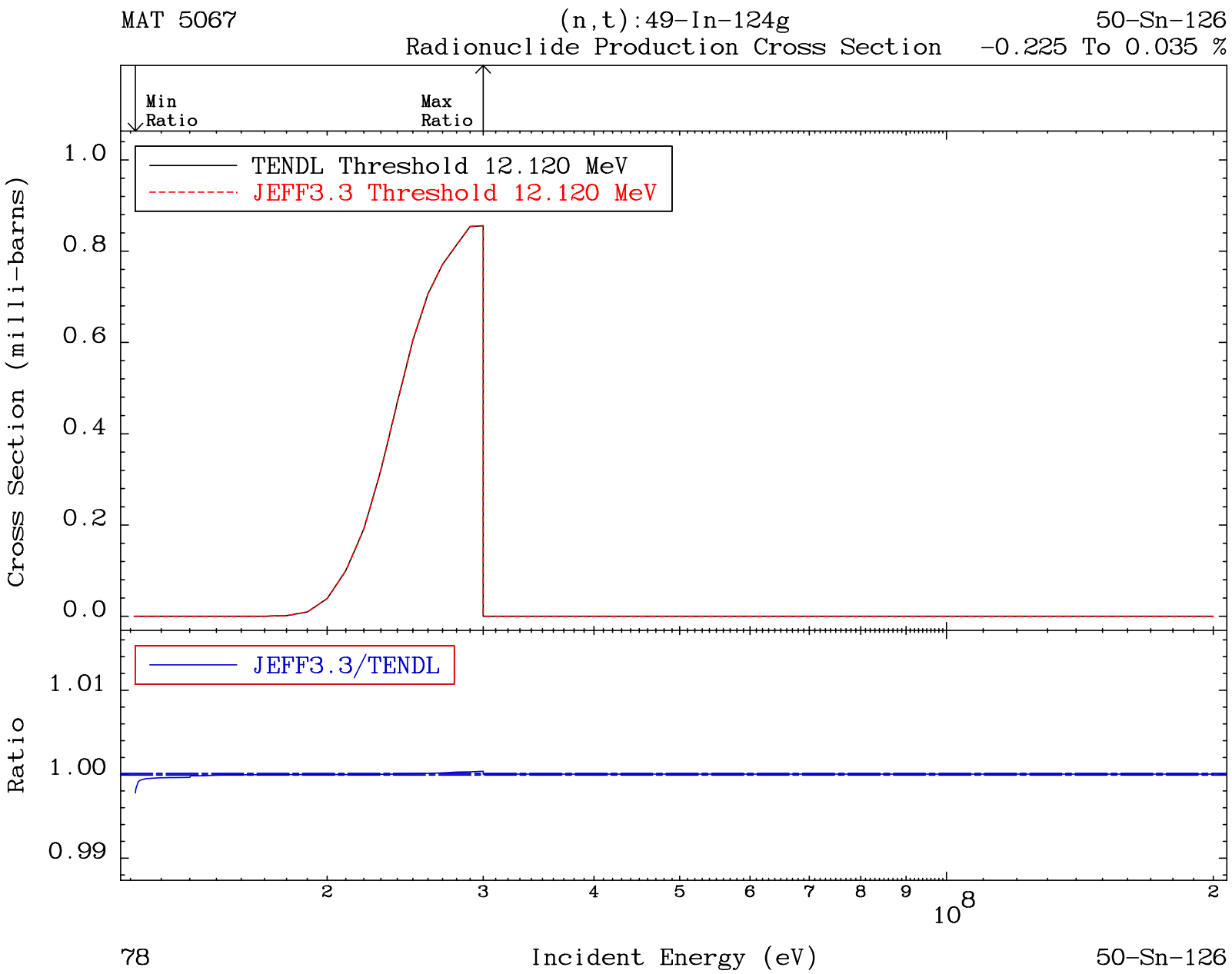

MAT 5067
(n,3n) p:49-In-123m1
50-Sn-126
Radionuclide Production Cross Section
-0.088 To 0.000 %
Max
Ratio
TENDL Threshold 26.555 MeV
JEFF3.3 Threshold 26.555 MeV
Cross Section (10^-9 barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
40
60
80
100
120
140
160
180
200
73
Incident Energy (MeV)
50-Sn-126

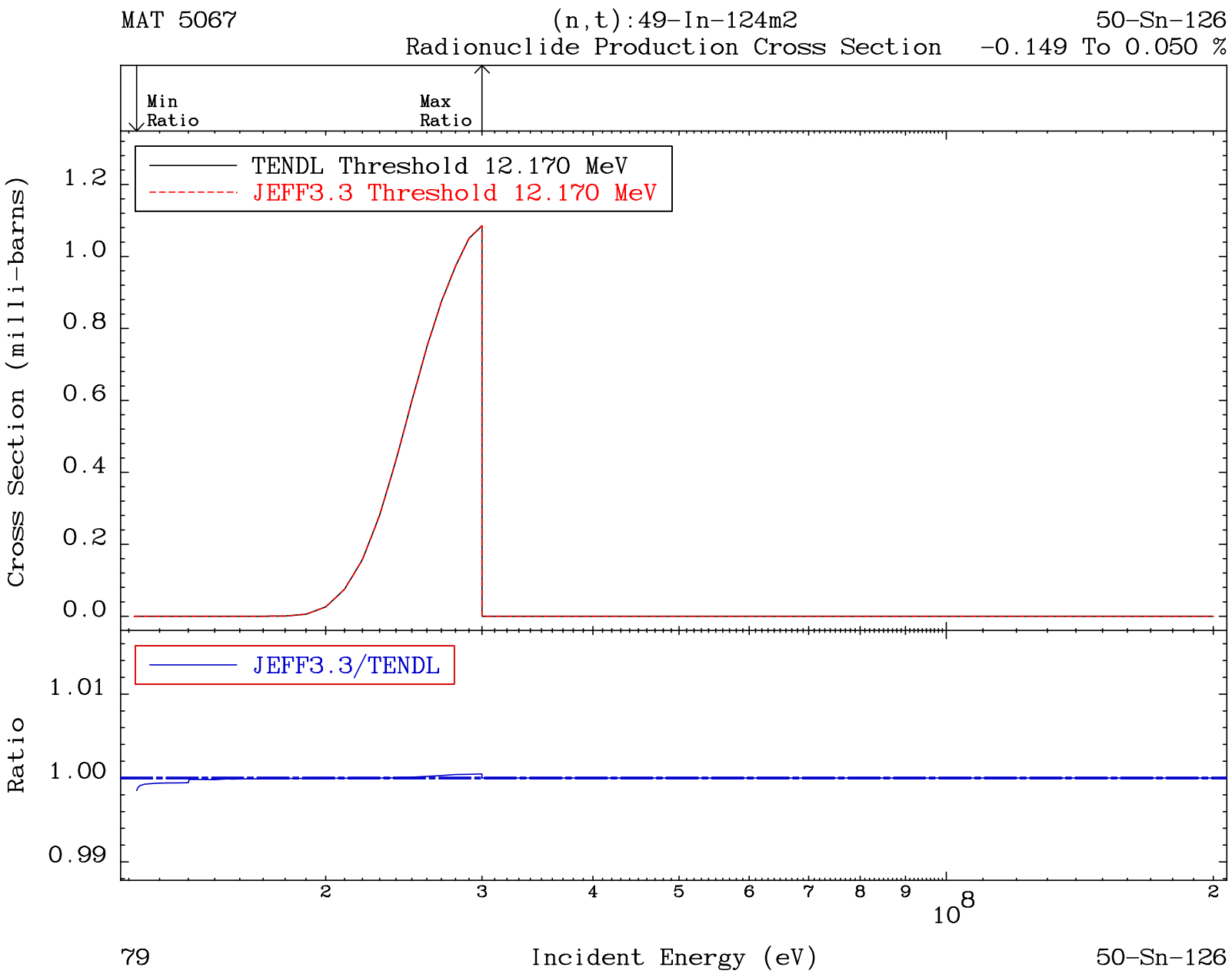

MAT 5067
(n,p):49-In-126g
50-Sn-126
Radionuclide Production Cross Section
-0.075 To 0.031 %
Min Ratio
Max Ratio
TENDL Threshold 7.5197 MeV
JEFF3.3 Threshold 7.5197 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
74
Incident Energy (eV)
50-Sn-126

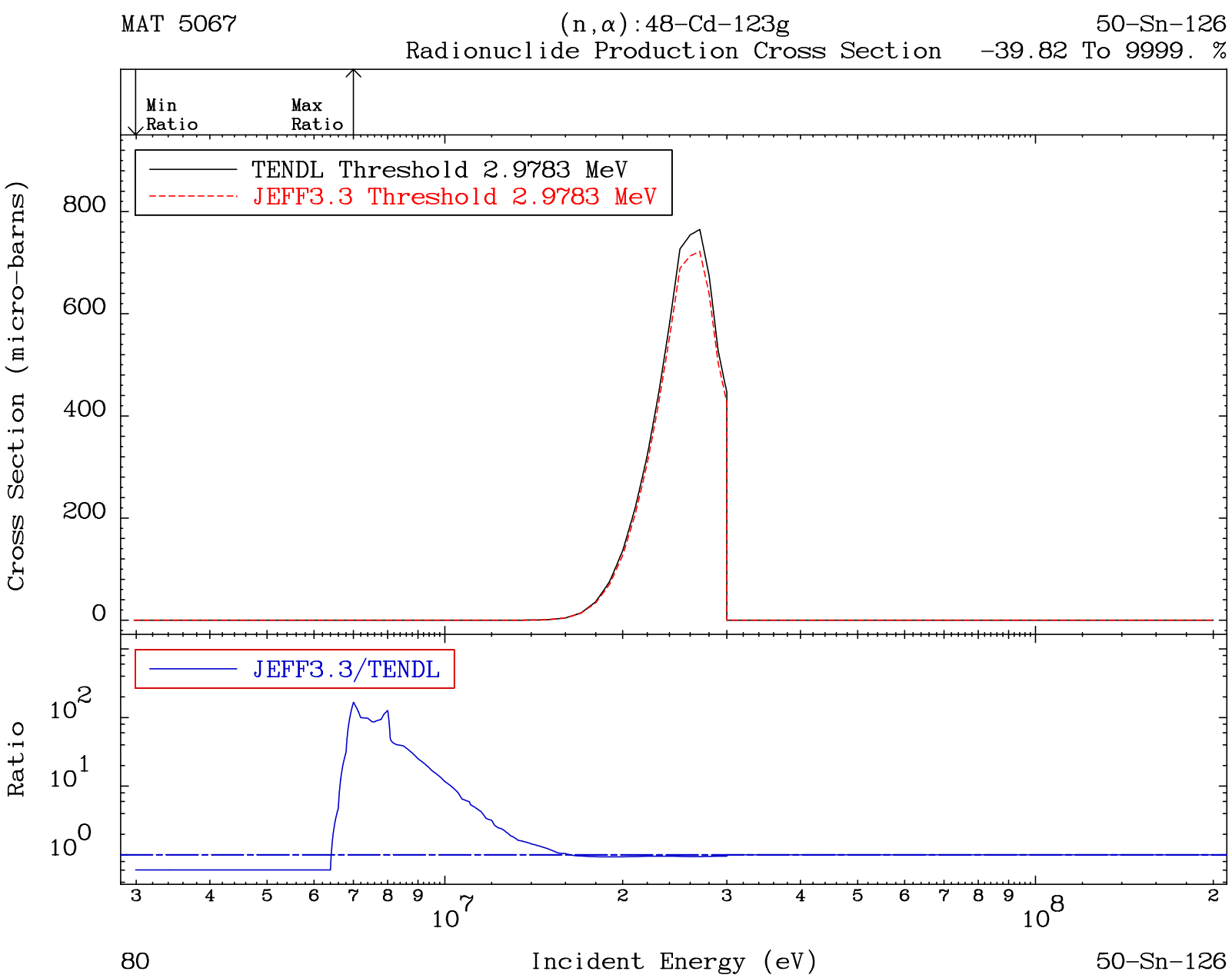

MAT 5067
(n,p):49-In-126m1
50-Sn-126
Radionuclide Production Cross Section
-0.058 To 0.062 %
Min Ratio
Max Ratio
TENDL Threshold 7.6226 MeV
JEFF3.3 Threshold 7.6226 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
75
Incident Energy (eV)
50-Sn-126

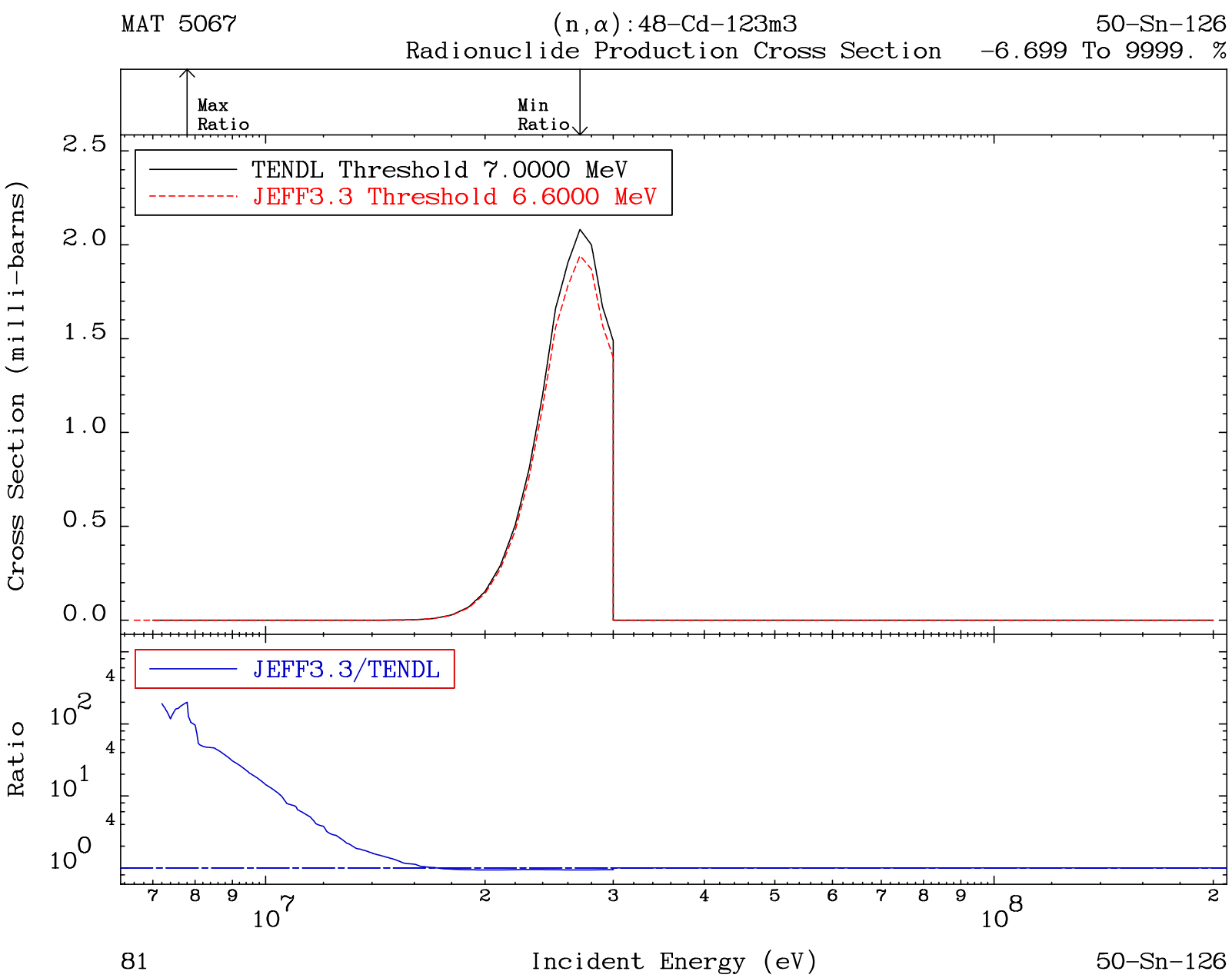

MAT 5067
(n,d):49-In-125g
50-Sn-126
Radionuclide Production Cross Section
-0.045 To 0.006 %
Min Ratio
Max Ratio
TENDL Threshold 10.688 MeV
JEFF3.3 Threshold 10.688 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,d):49-In-125m1
50-Sn-126
Radionuclide Production Cross Section
-0.013 To 0.001 %
Min Ratio
Max Ratio
TENDL Threshold 12.000 MeV
JEFF3.3 Threshold 12.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,t):49-In-124g
50-Sn-126
Radionuclide Production Cross Section
-0.225 To 0.035 %
Min Ratio
Max Ratio
TENDL Threshold 12.120 MeV
JEFF3.3 Threshold 12.120 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,t):49-In-124m2
50-Sn-126
Radionuclide Production Cross Section
-0.149 To 0.050 %
Min Ratio
Max Ratio
TENDL Threshold 12.170 MeV
JEFF3.3 Threshold 12.170 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,α):48-Cd-123g
50-Sn-126
Radionuclide Production Cross Section -39.82 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9783 MeV
JEFF3.3 Threshold 2.9783 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
80
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,α):48-Cd-123m3
50-Sn-126
Radionuclide Production Cross Section -6.699 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.0000 MeV
JEFF3.3 Threshold 6.6000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
81
Incident Energy (eV)
50-Sn-126