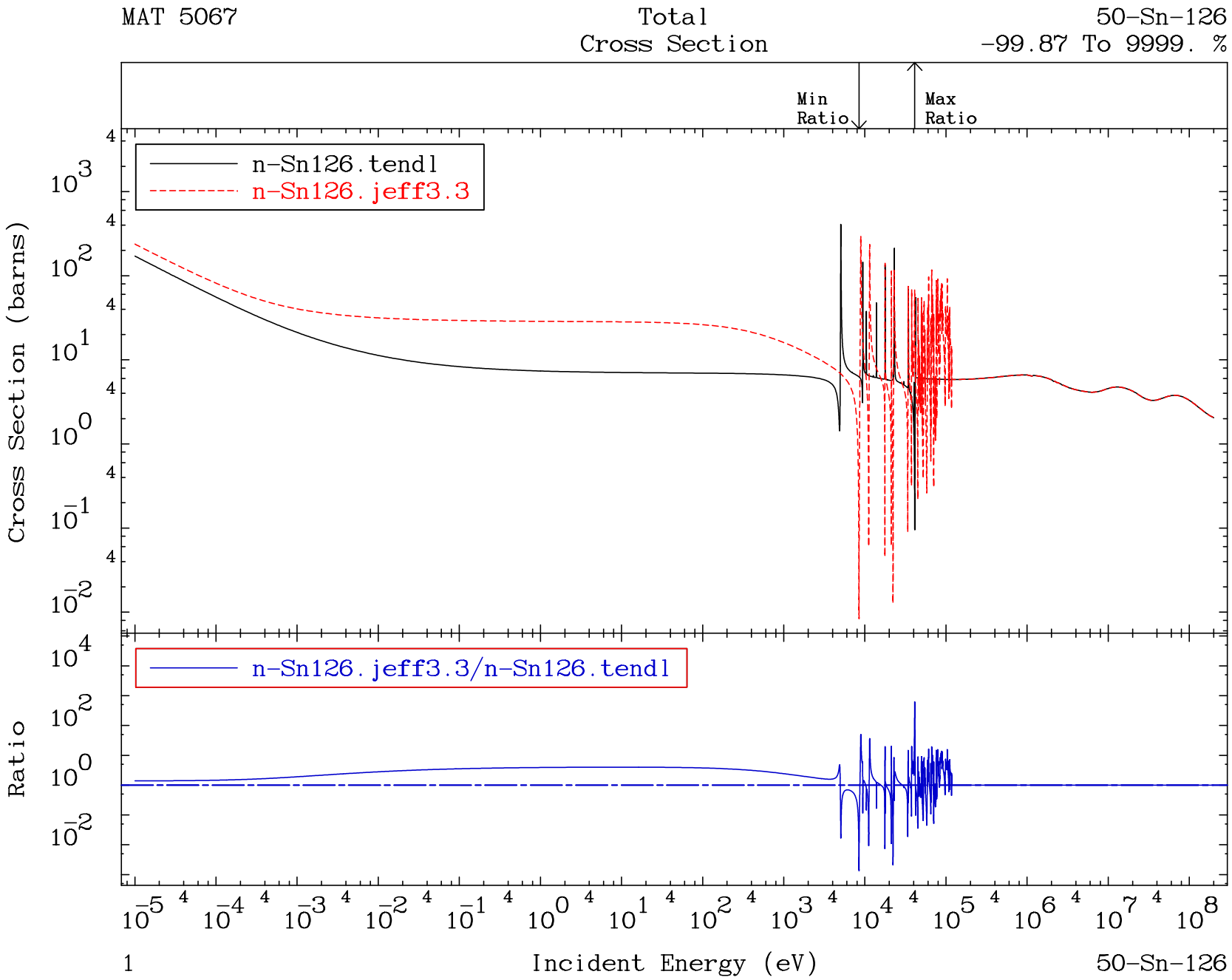
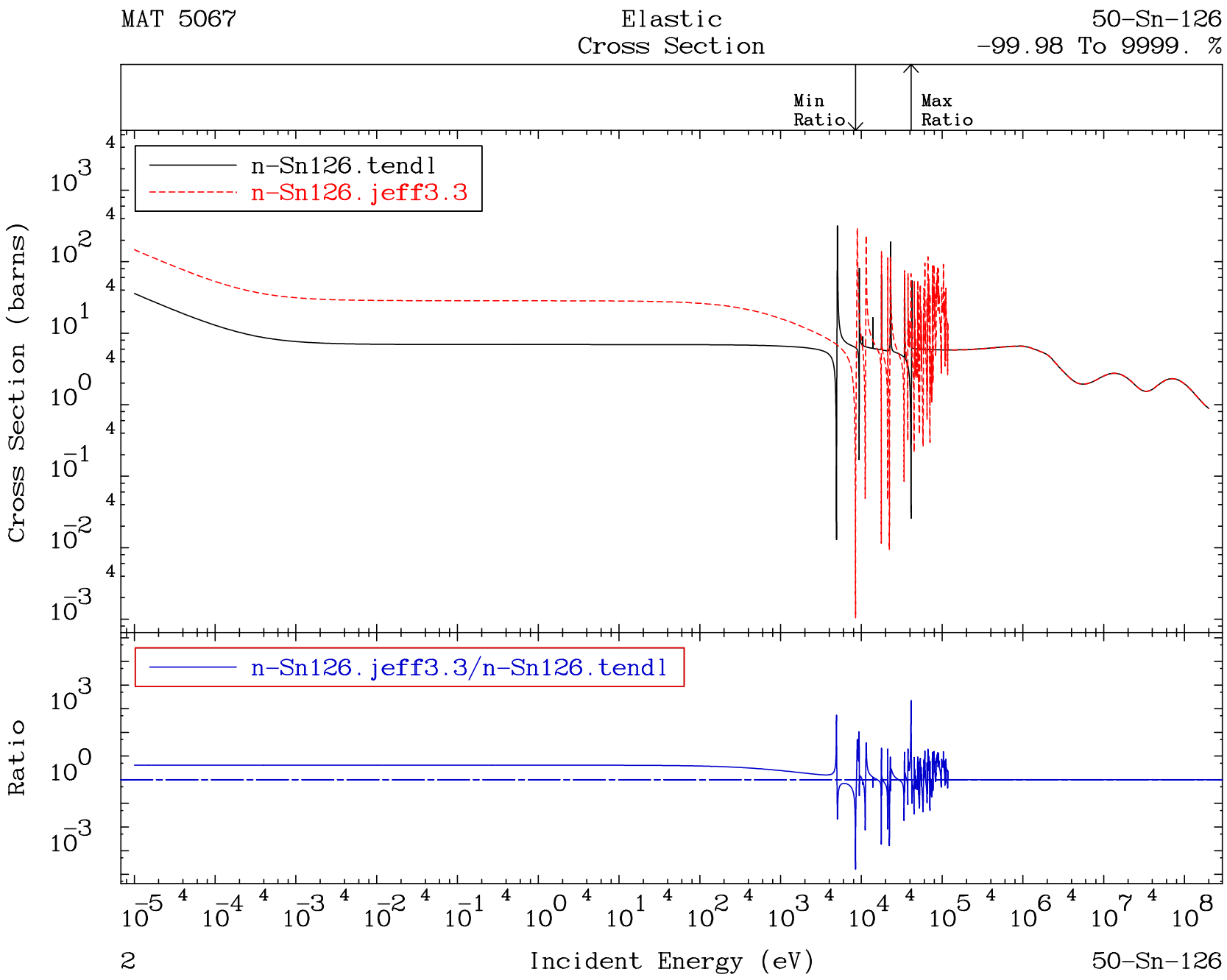
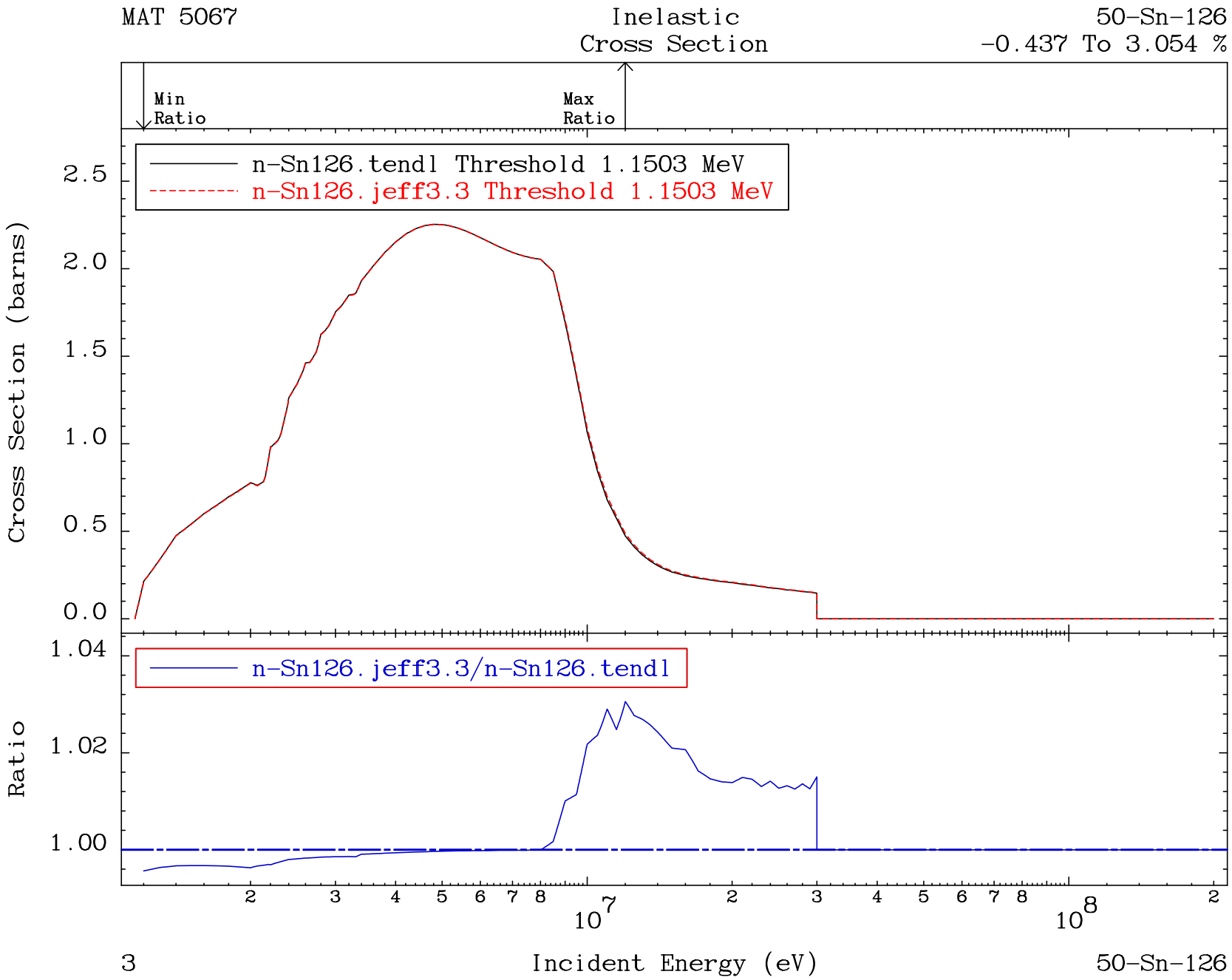
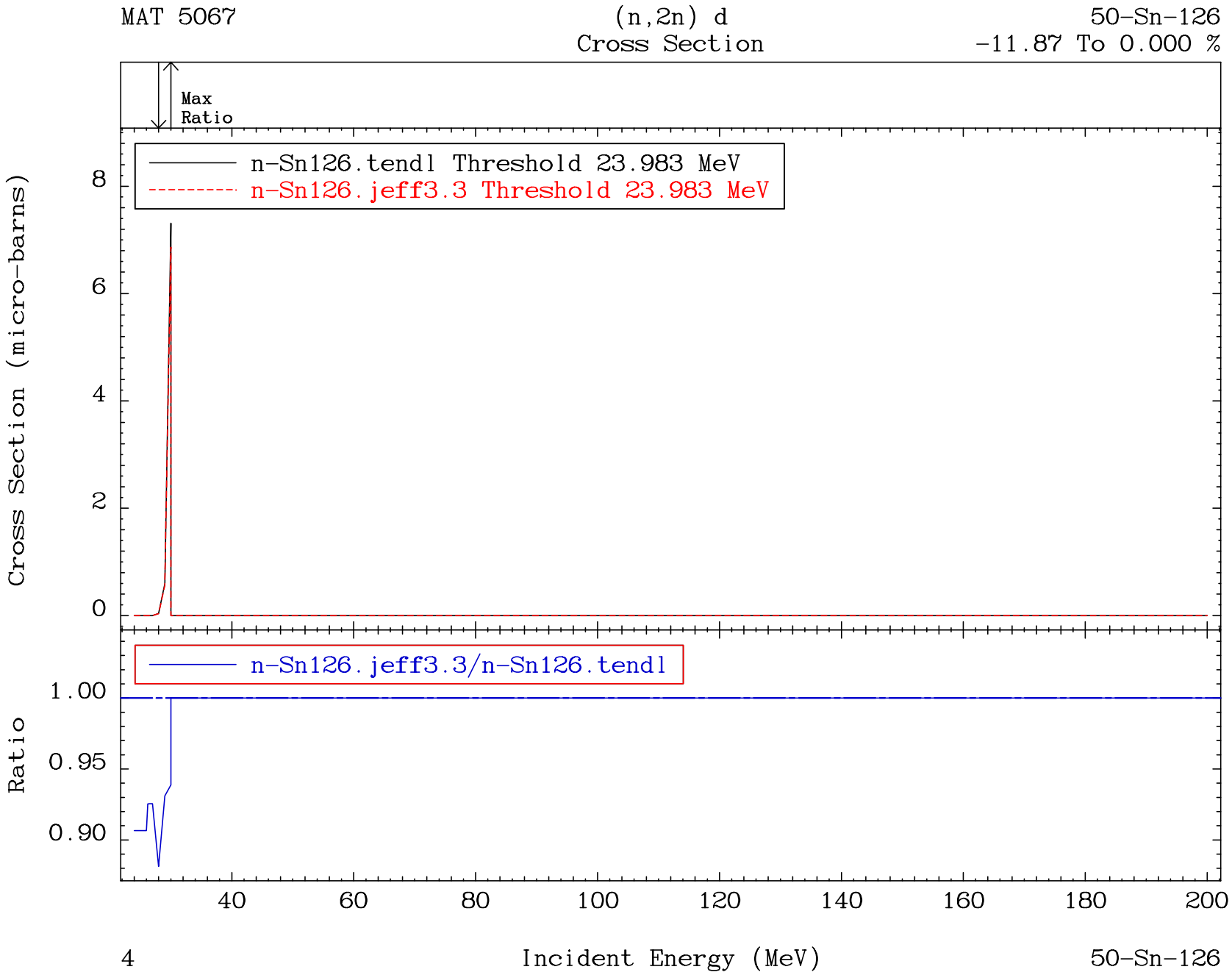
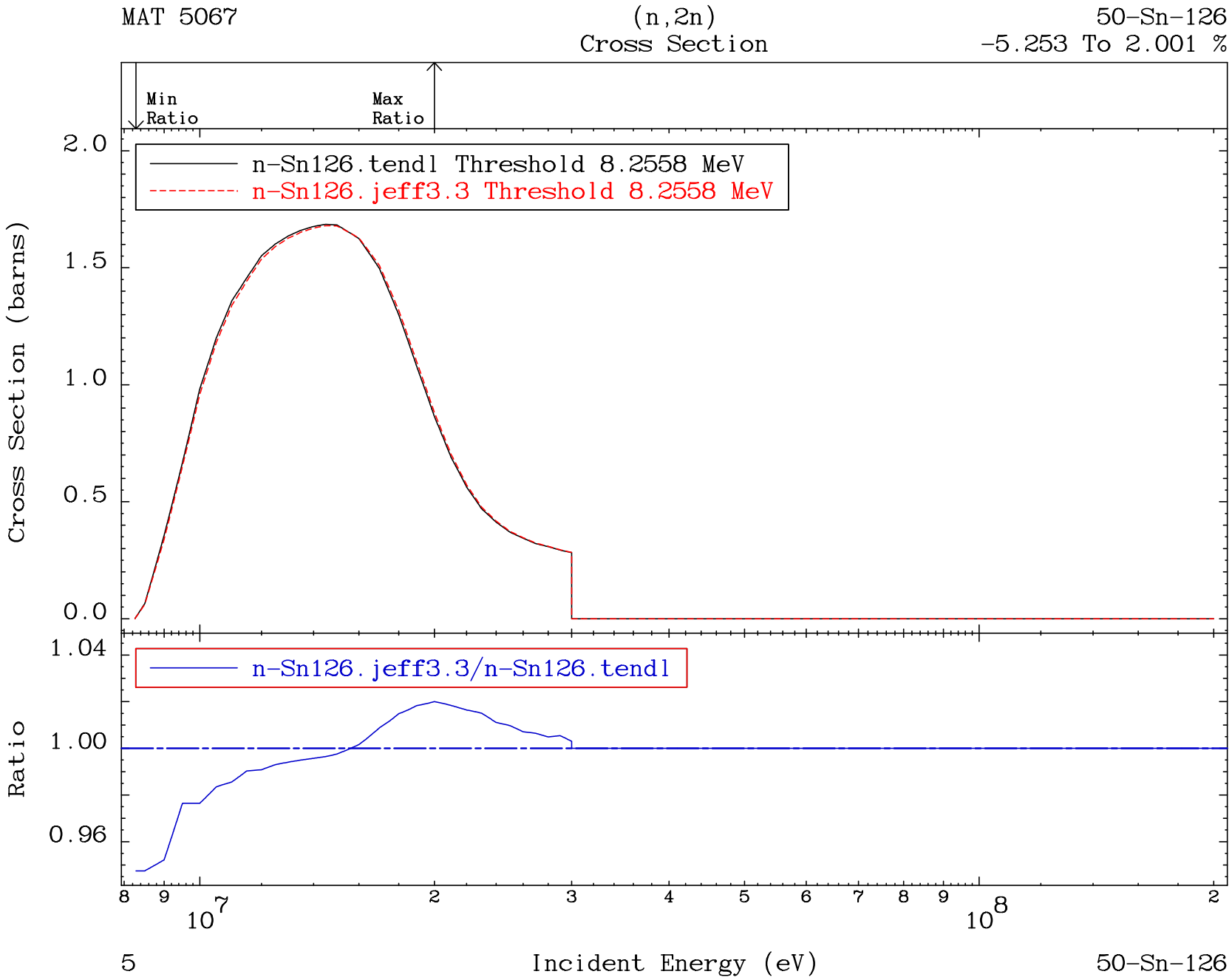
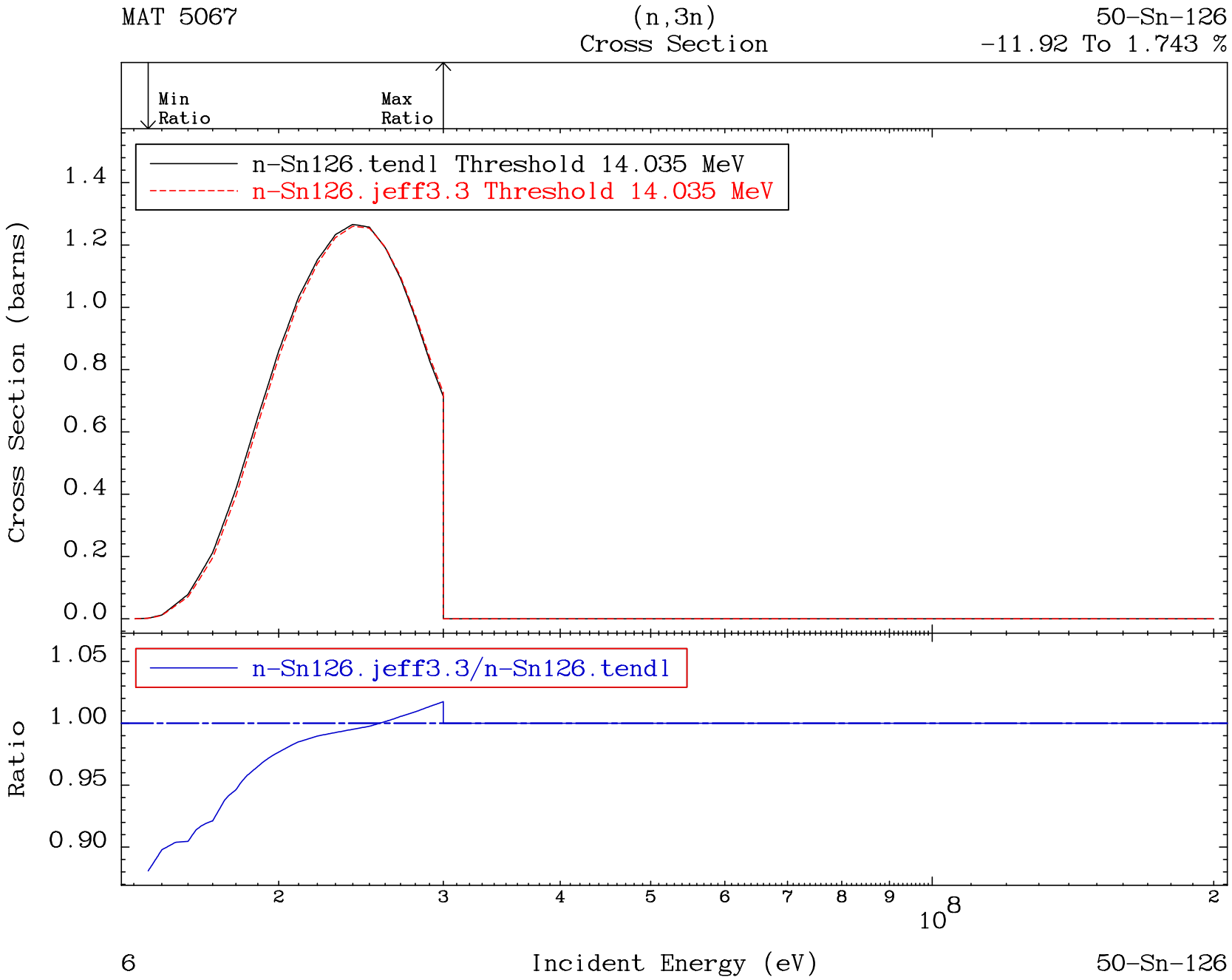

MAT 5067
Total
Cross Section
50-Sn-126
-99.87 To 9999. %
Min
Ratio
Max
Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
1
50-Sn-126

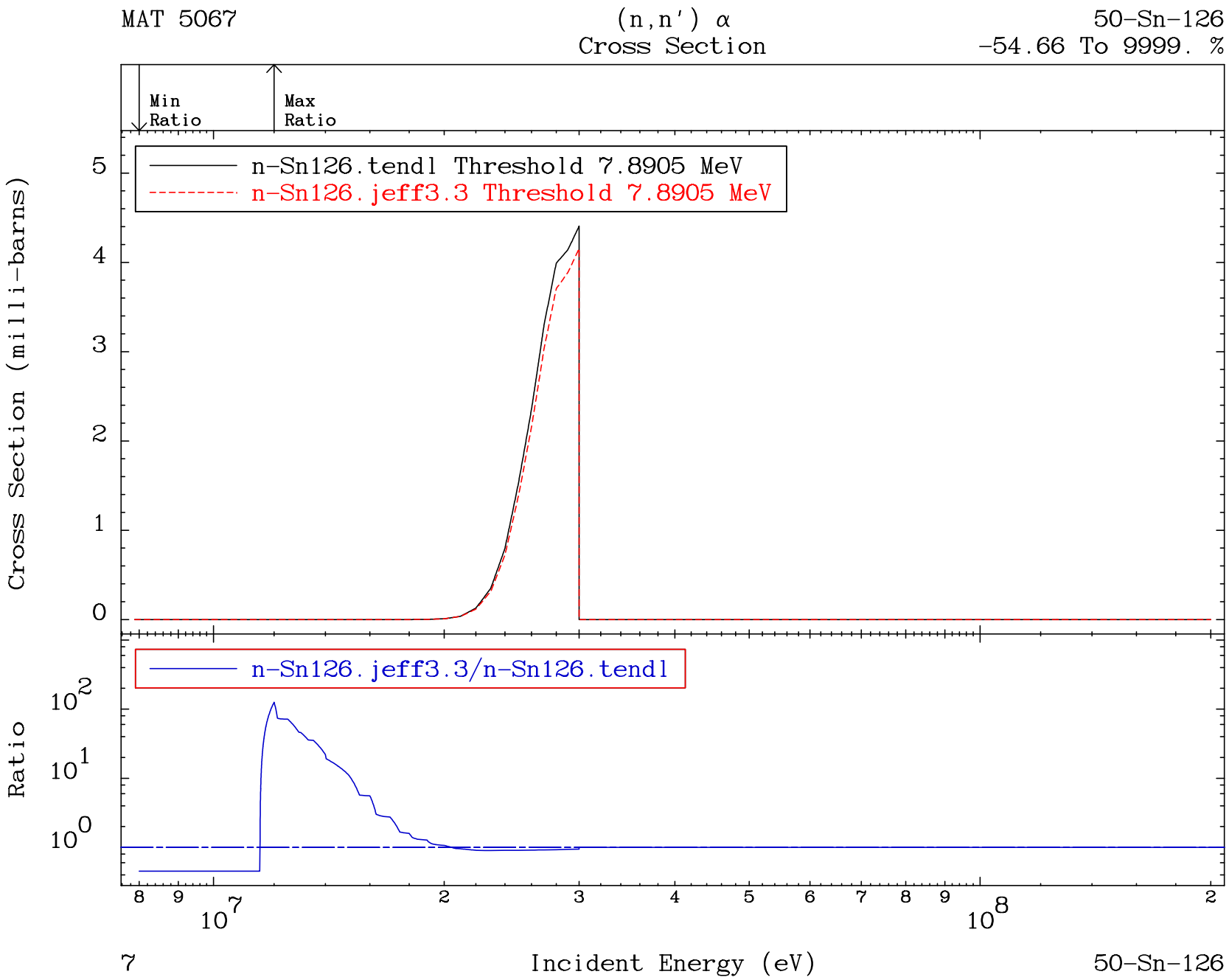

MAT 5067
Elastic
Cross Section
50-Sn-126
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
2
50-Sn-126

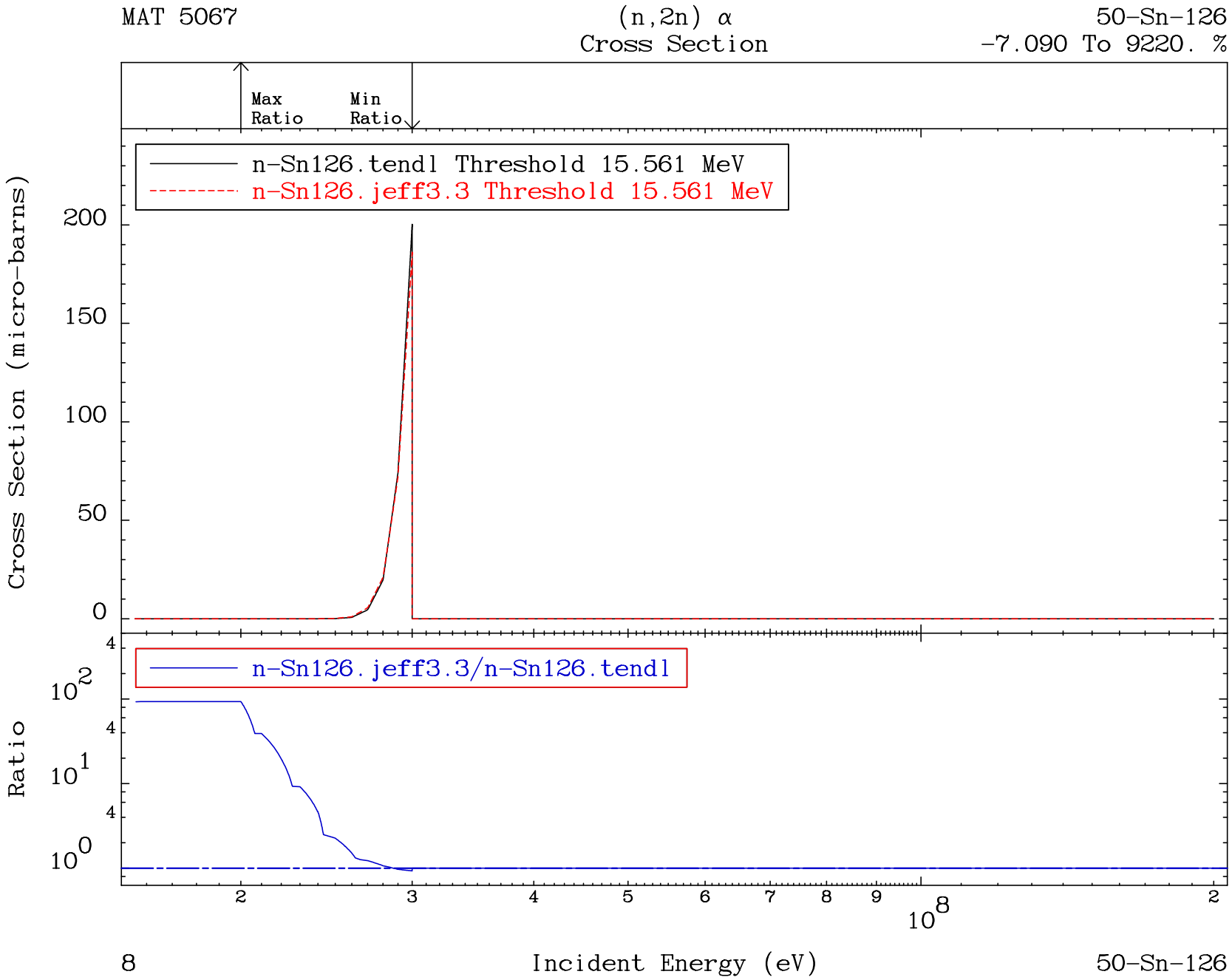

MAT 5067
Inelastic
Cross Section
50-Sn-126
-0.437 To 3.054 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 1.1503 MeV
n-Sn126.jeff3.3 Threshold 1.1503 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.04
1.02
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
50-Sn-126

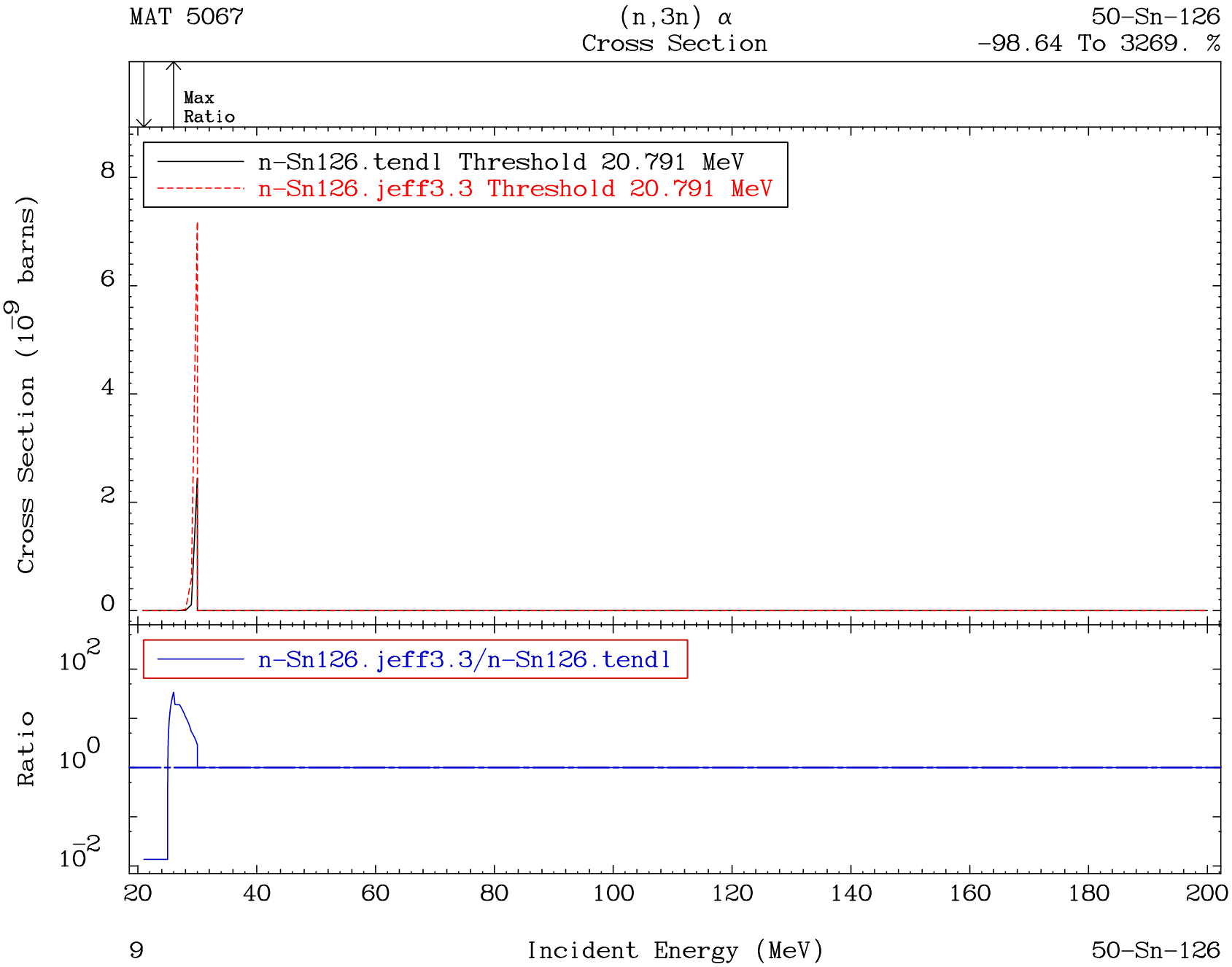

MAT 5067
(n,2n) d
Cross Section
50-Sn-126
-11.87 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 23.983 MeV
n-Sn126.jeff3.3 Threshold 23.983 MeV
Cross Section (micro-barns)
0
2
4
6
8
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
0.90
0.95
1.00
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
50-Sn-126

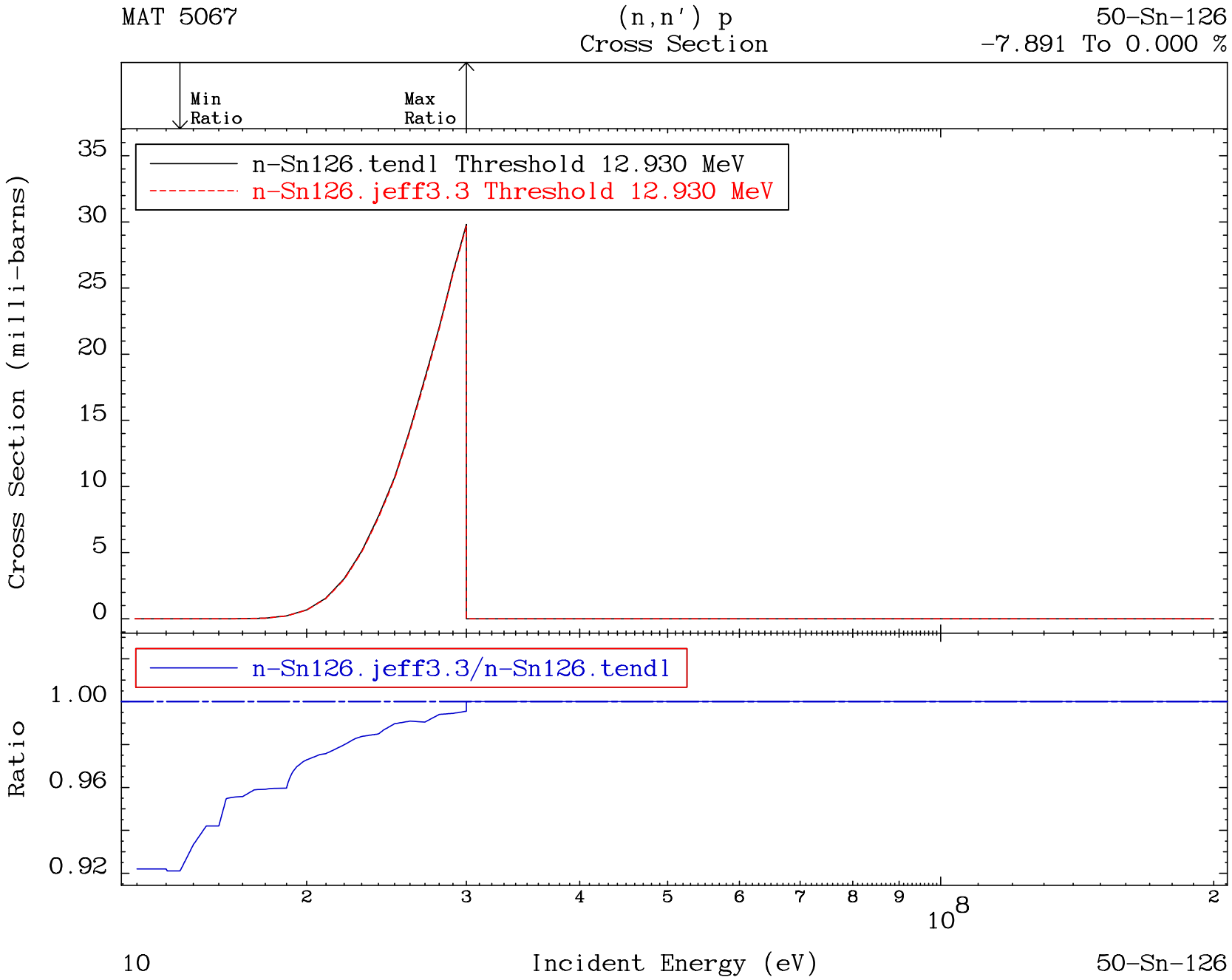

MAT 5067
(n,2n)
Cross Section
50-Sn-126
-5.253 To 2.001 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 8.2558 MeV
n-Sn126.jeff3.3 Threshold 8.2558 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.04
1.00
0.96
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
50-Sn-126

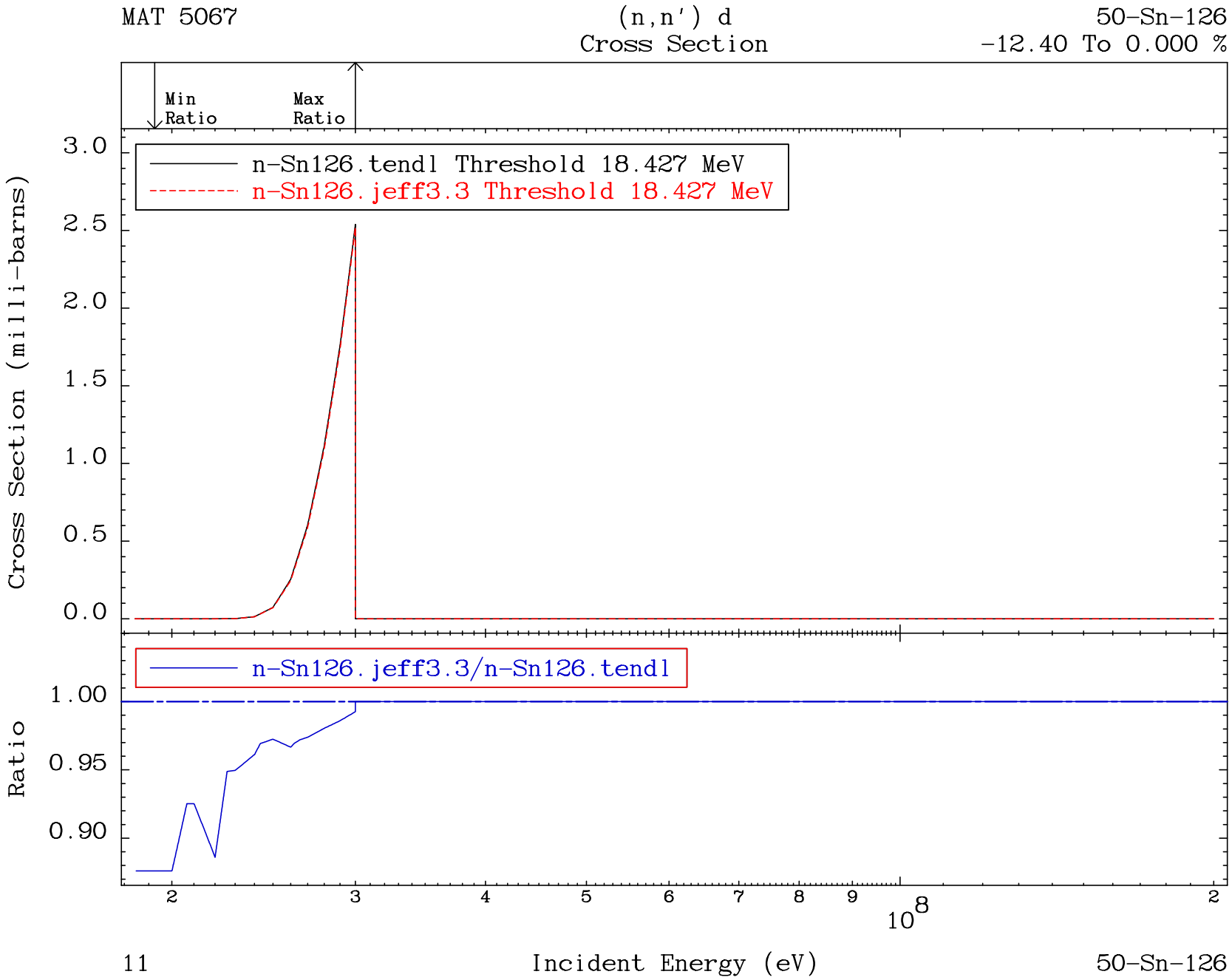

MAT 5067
(n,3n)
Cross Section
50-Sn-126
-11.92 To 1.743 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 14.035 MeV
n-Sn126.jeff3.3 Threshold 14.035 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.05
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-126

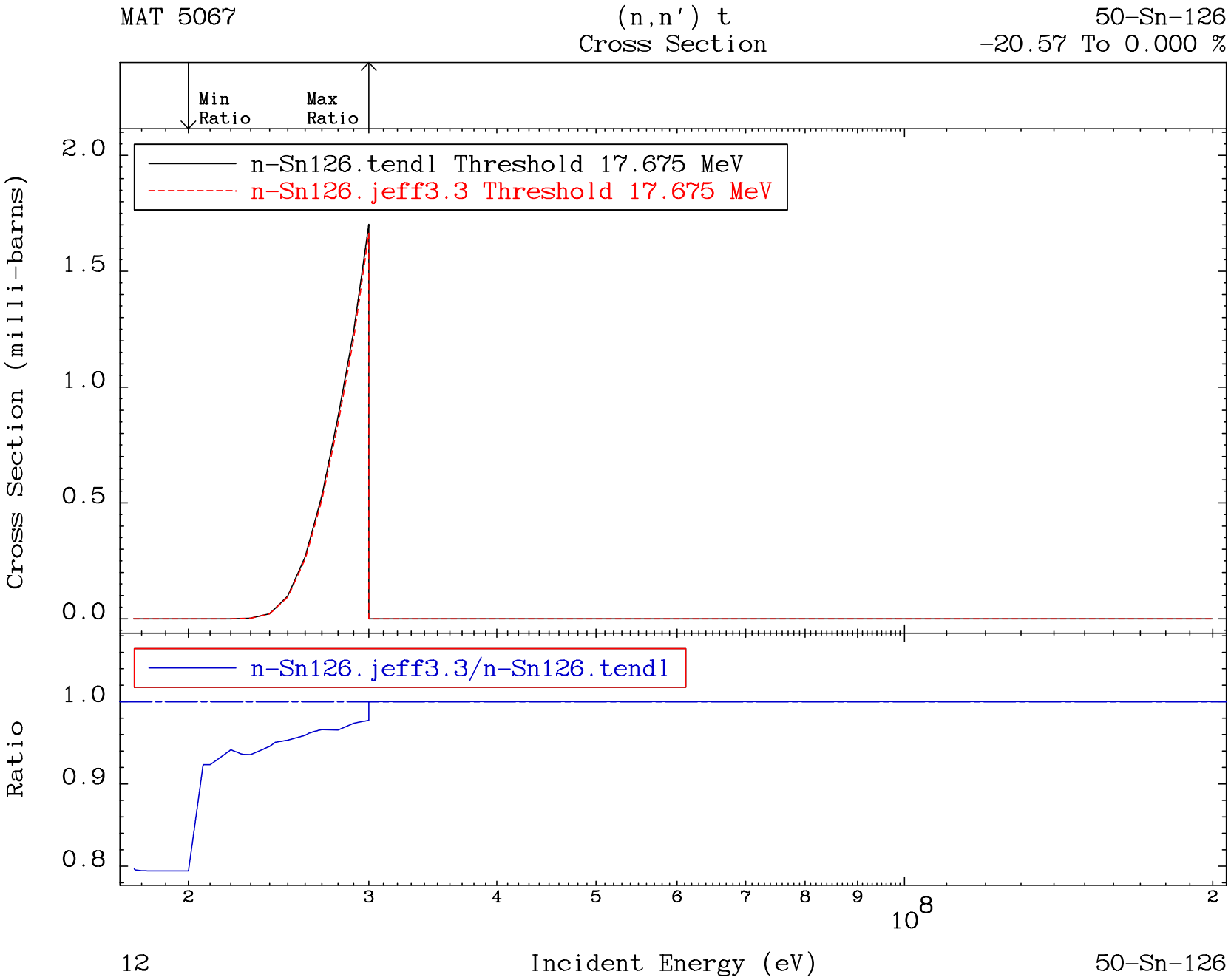

MAT 5067
(n,n') α
Cross Section
50-Sn-126
-54.66 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 7.8905 MeV
n-Sn126.jeff3.3 Threshold 7.8905 MeV
Cross Section (milli-barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
50-Sn-126

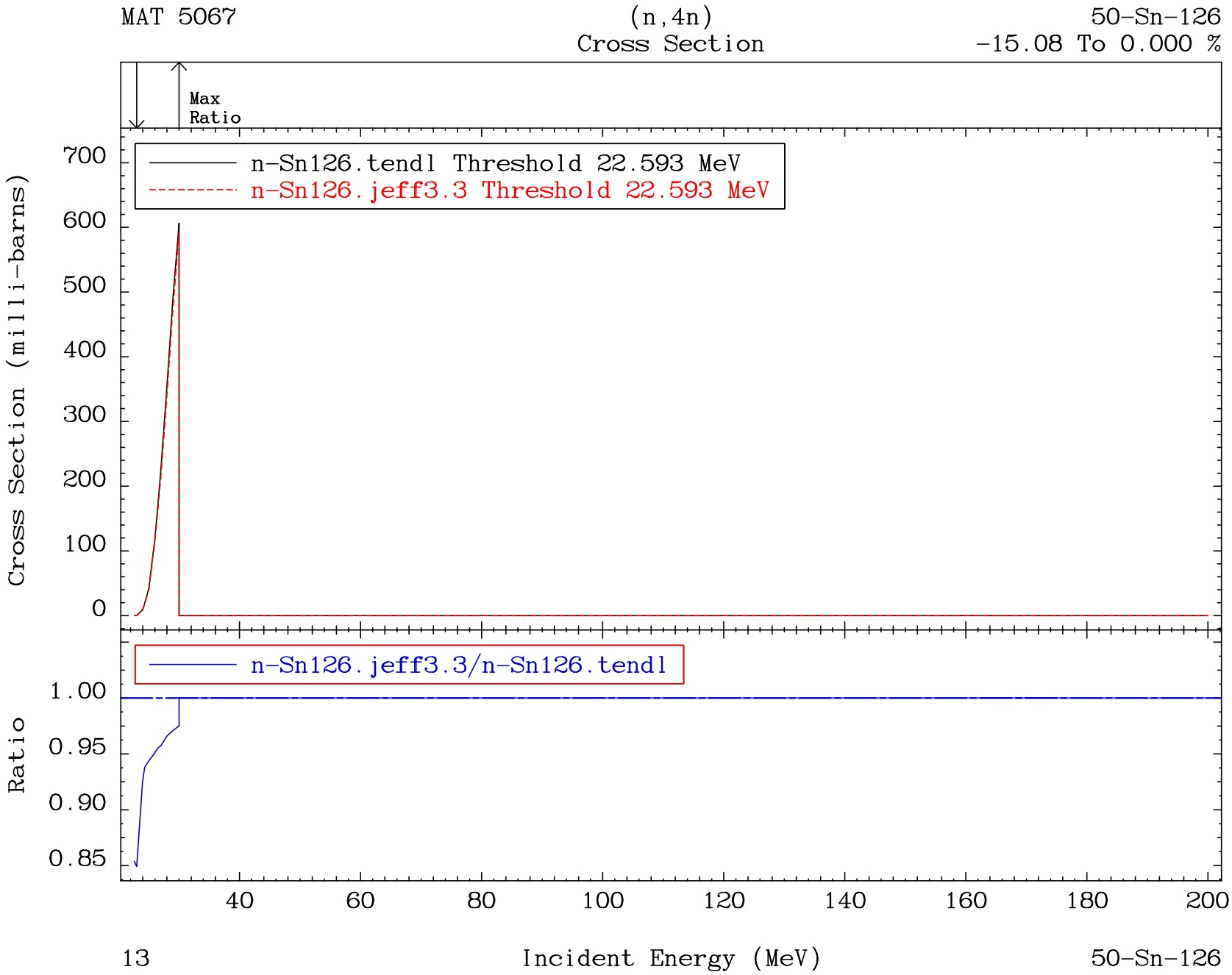

MAT 5067
(n,2n) α
Cross Section
50-Sn-126
-7.090 To 9220. %
Max Ratio
Min Ratio
n-Sn126.tendl Threshold 15.561 MeV
n-Sn126.jeff3.3 Threshold 15.561 MeV
Cross Section (micro-barns)
200
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
50-Sn-126

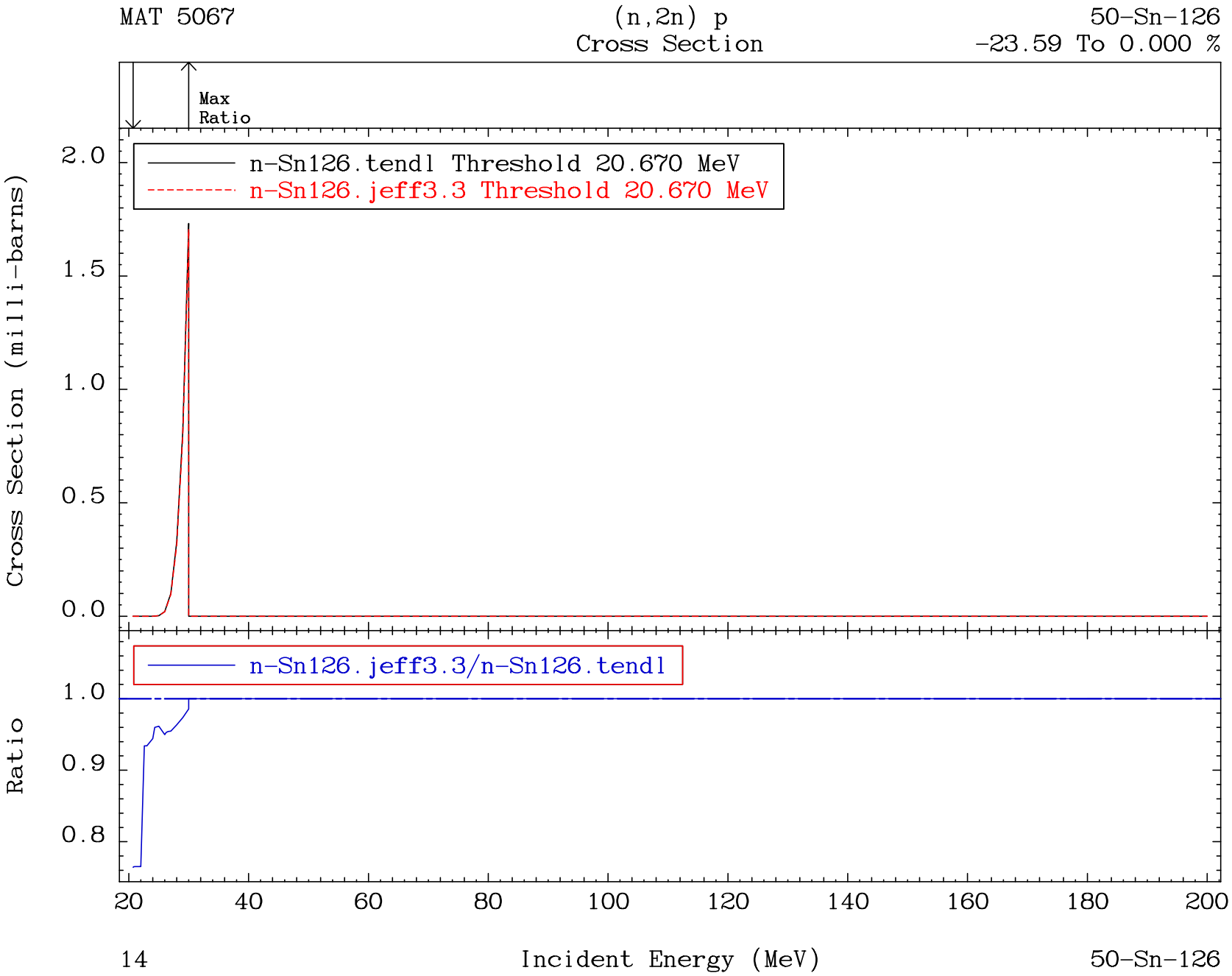

MAT 5067
(n,3n) α
Cross Section
50-Sn-126
-98.64 To 3269. %
Max
Ratio
n-Sn126.tendl Threshold 20.791 MeV
n-Sn126.jeff3.3 Threshold 20.791 MeV
Cross Section (10^-9 barns)
8
6
4
2
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^0
10^-2
20
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
50-Sn-126

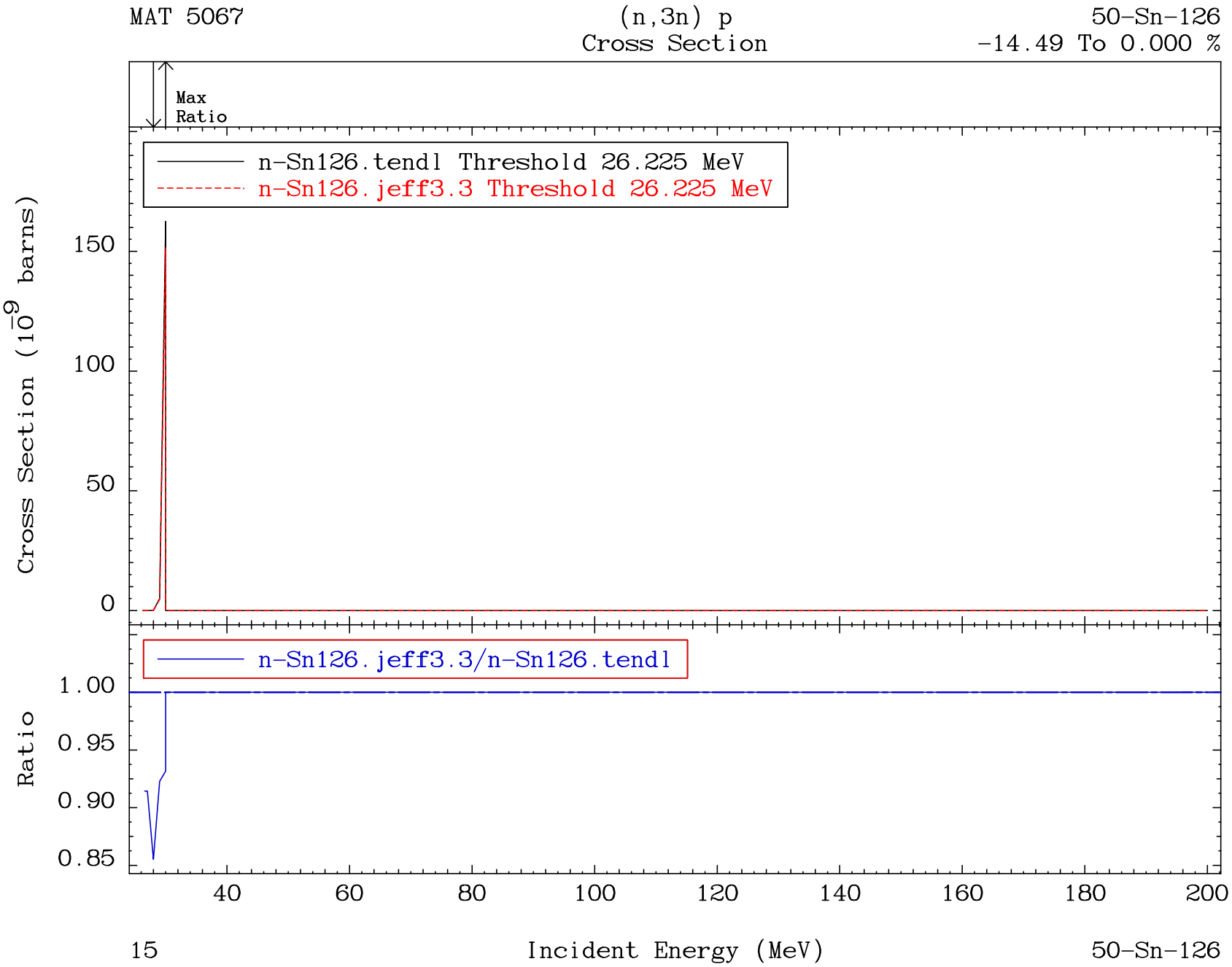

MAT 5067
(n,n') p
Cross Section
50-Sn-126
-7.891 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 12.930 MeV
n-Sn126.jeff3.3 Threshold 12.930 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
50-Sn-126

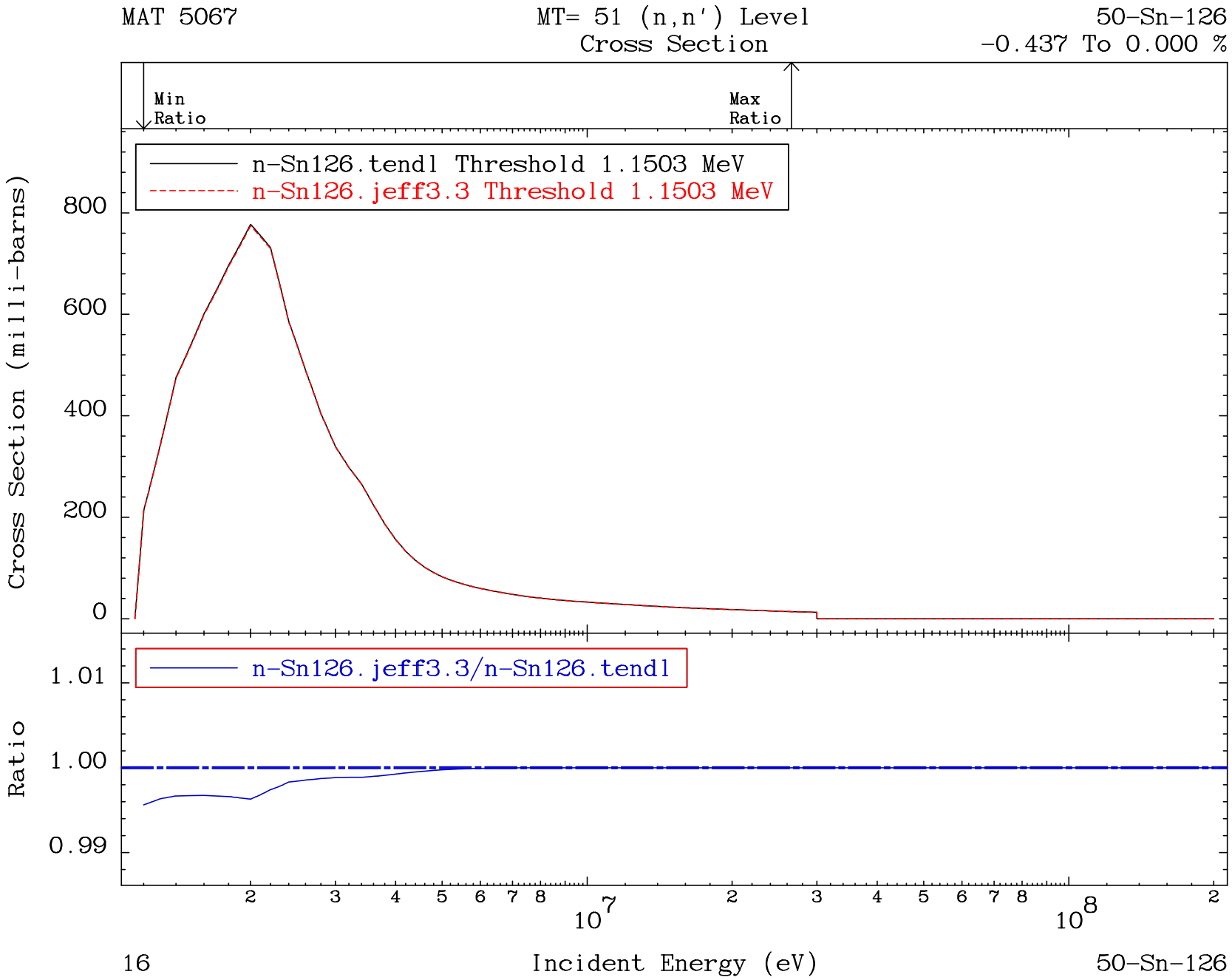

MAT 5067
(n,n') d
Cross Section
50-Sn-126
-12.40 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 18.427 MeV
n-Sn126.jeff3.3 Threshold 18.427 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
50-Sn-126

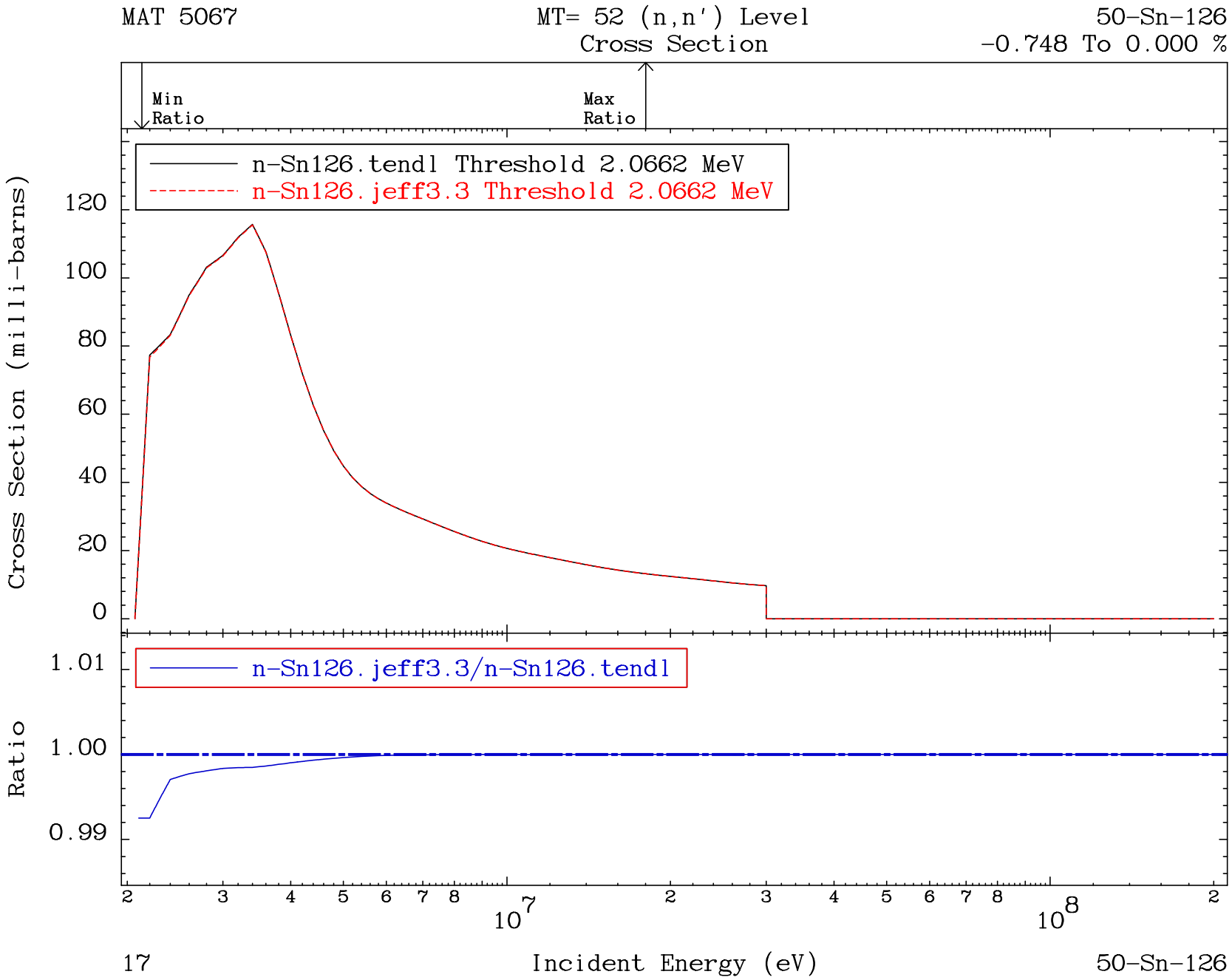

MAT 5067
(n,n') t
Cross Section
50-Sn-126
-20.57 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 17.675 MeV
n-Sn126.jeff3.3 Threshold 17.675 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.0
0.9
0.8
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
50-Sn-126

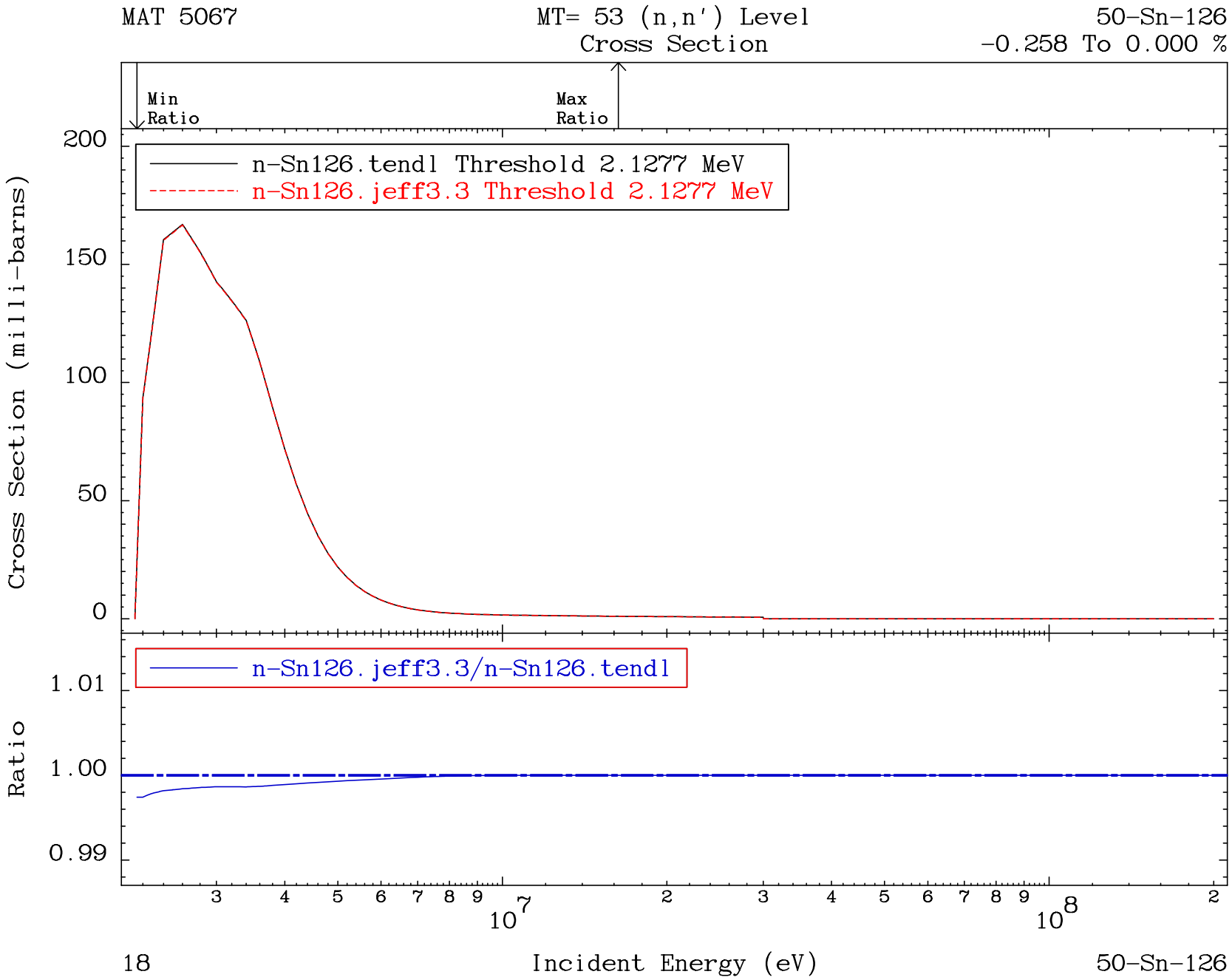

MAT 5067
(n,4n)
Cross Section
50-Sn-126
-15.08 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 22.593 MeV
n-Sn126.jeff3.3 Threshold 22.593 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
0.85
40
60
80
100
120
140
160
180
200
13
Incident Energy (MeV)
50-Sn-126

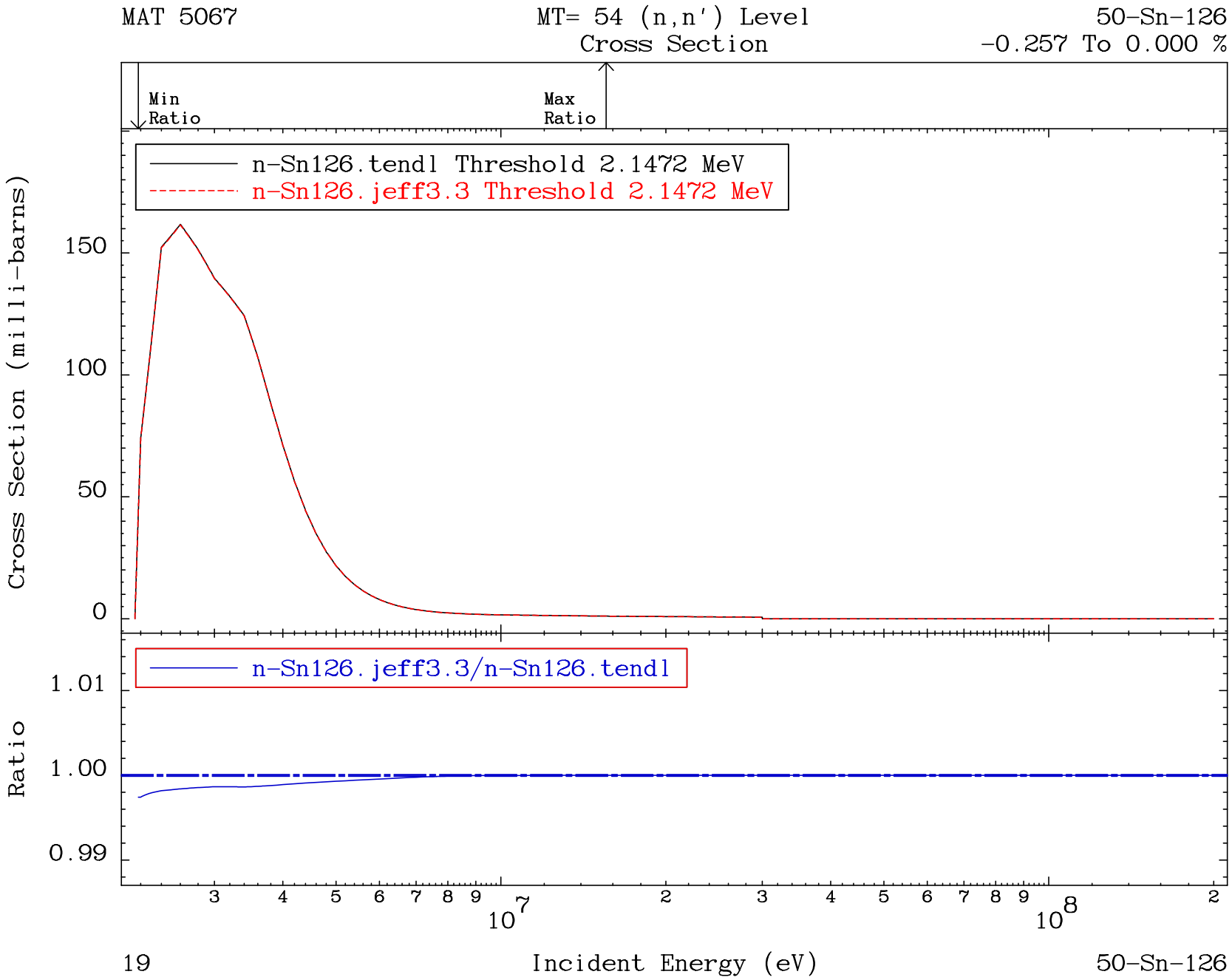

MAT 5067
(n,2n) p
Cross Section
50-Sn-126
-23.59 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 20.670 MeV
n-Sn126.jeff3.3 Threshold 20.670 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.0
0.9
0.8
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
50-Sn-126

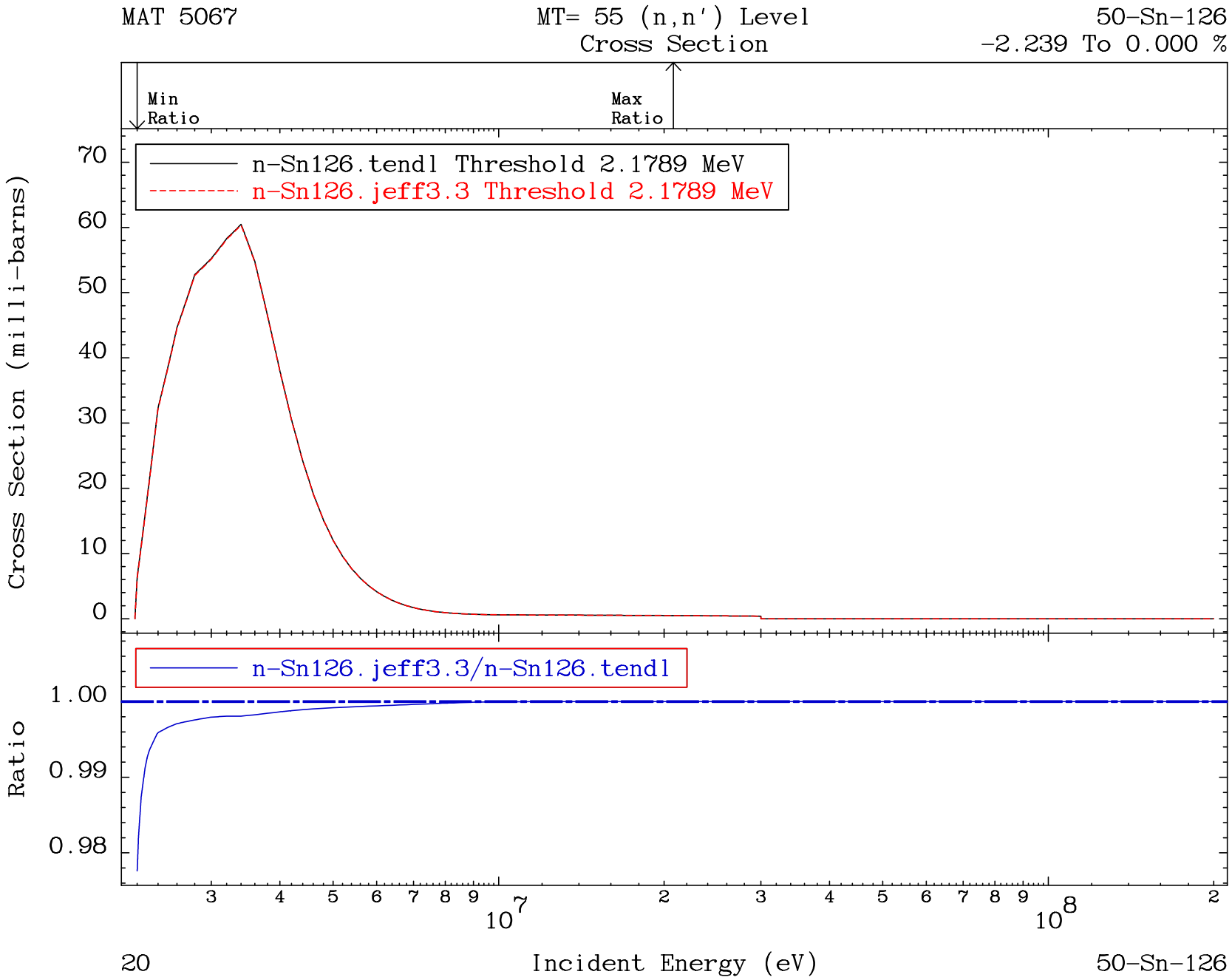

MAT 5067
(n,3n) p
Cross Section
50-Sn-126
-14.49 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 26.225 MeV
n-Sn126.jeff3.3 Threshold 26.225 MeV
Cross Section (10^{-9} barns)
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
0.85
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
50-Sn-126

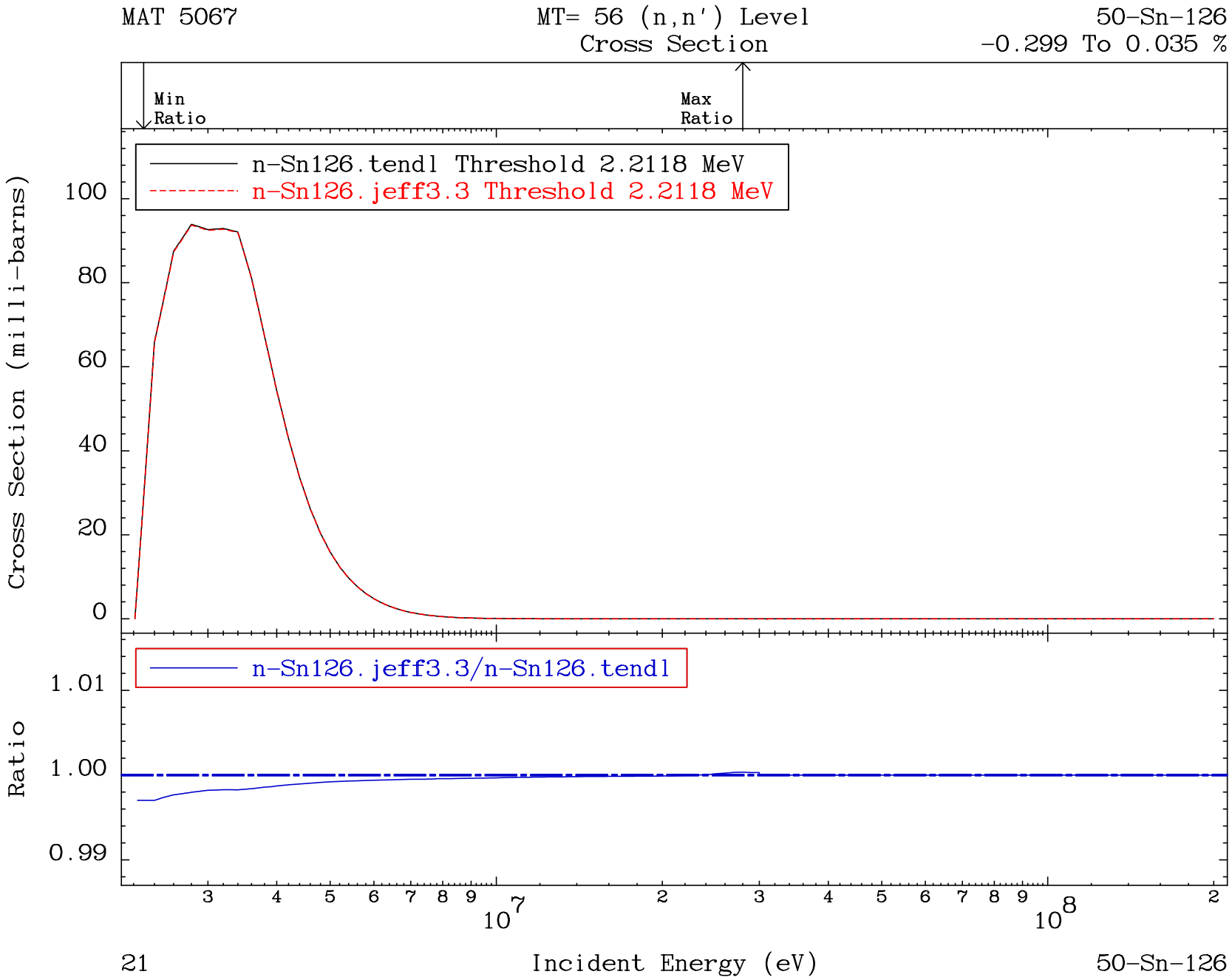

MAT 5067
MT= 51 (n,n') Level
Cross Section
50-Sn-126
-0.437 To 0.000 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 1.1503 MeV
n-Sn126.jeff3.3 Threshold 1.1503 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
50-Sn-126

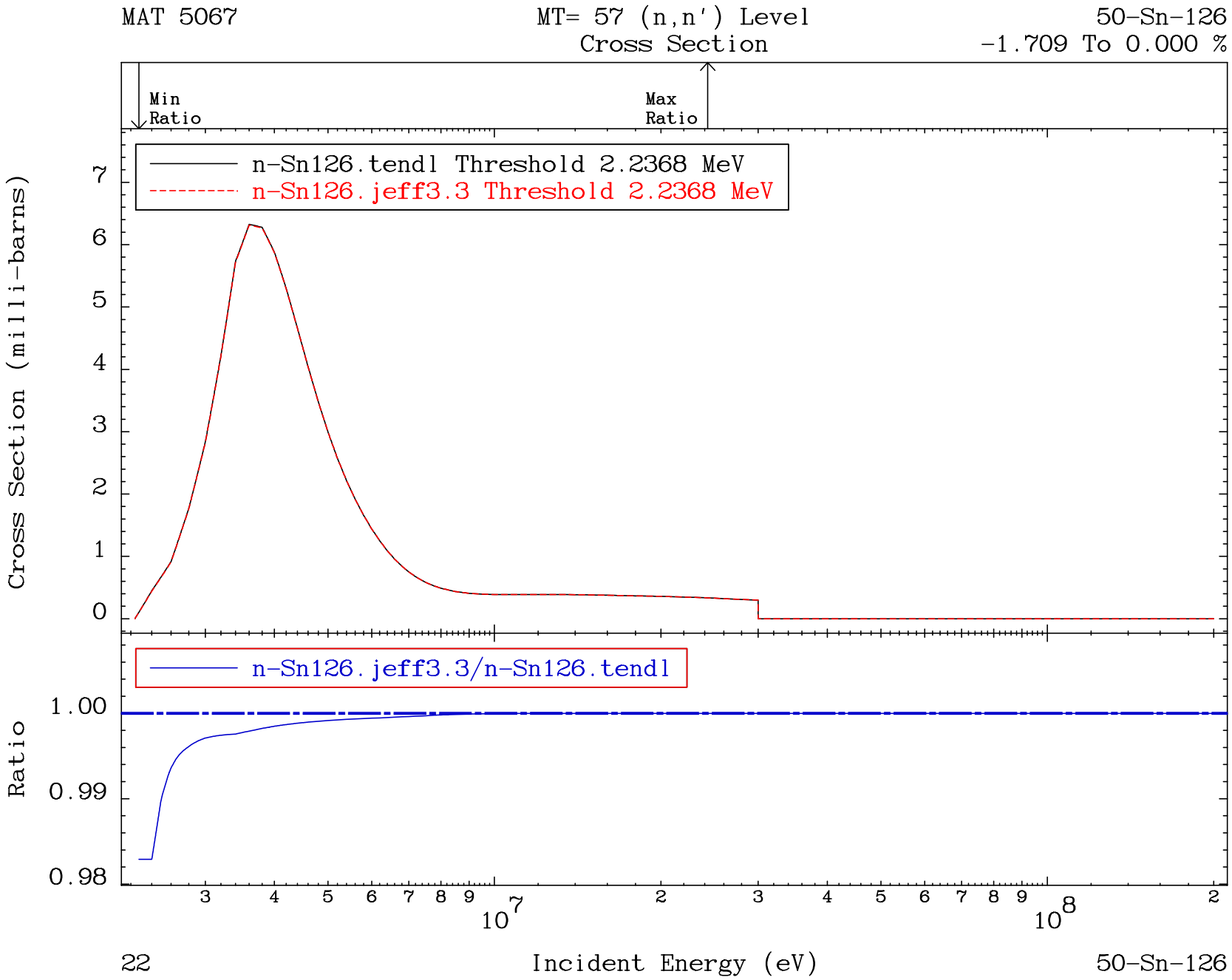

MAT 5067
MT= 52 (n,n') Level
Cross Section
50-Sn-126
-0.748 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.0662 MeV
n-Sn126.jeff3.3 Threshold 2.0662 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
50-Sn-126

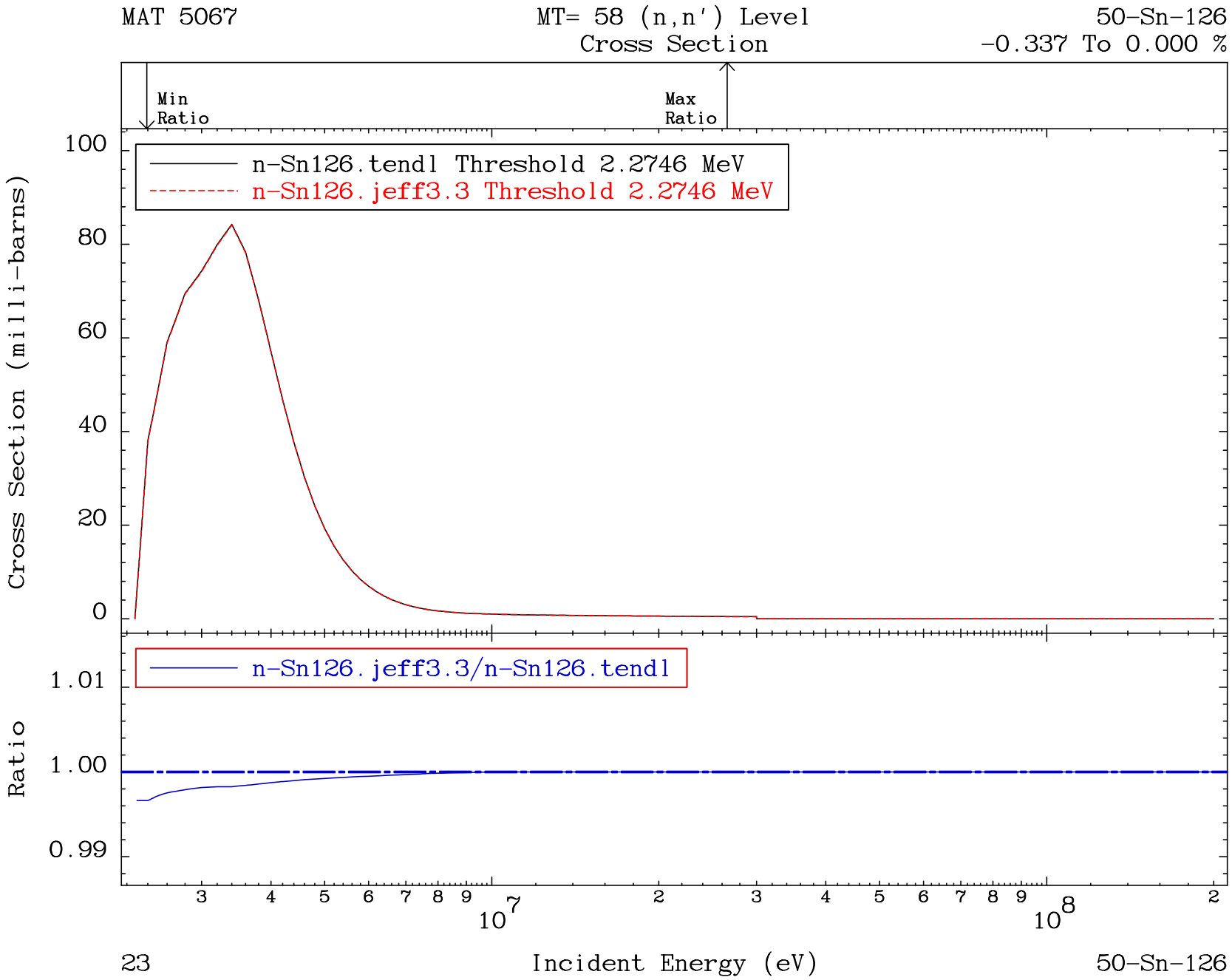

MAT 5067
MT= 53 (n,n') Level
Cross Section
50-Sn-126
-0.258 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.1277 MeV
n-Sn126.jeff3.3 Threshold 2.1277 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
50-Sn-126

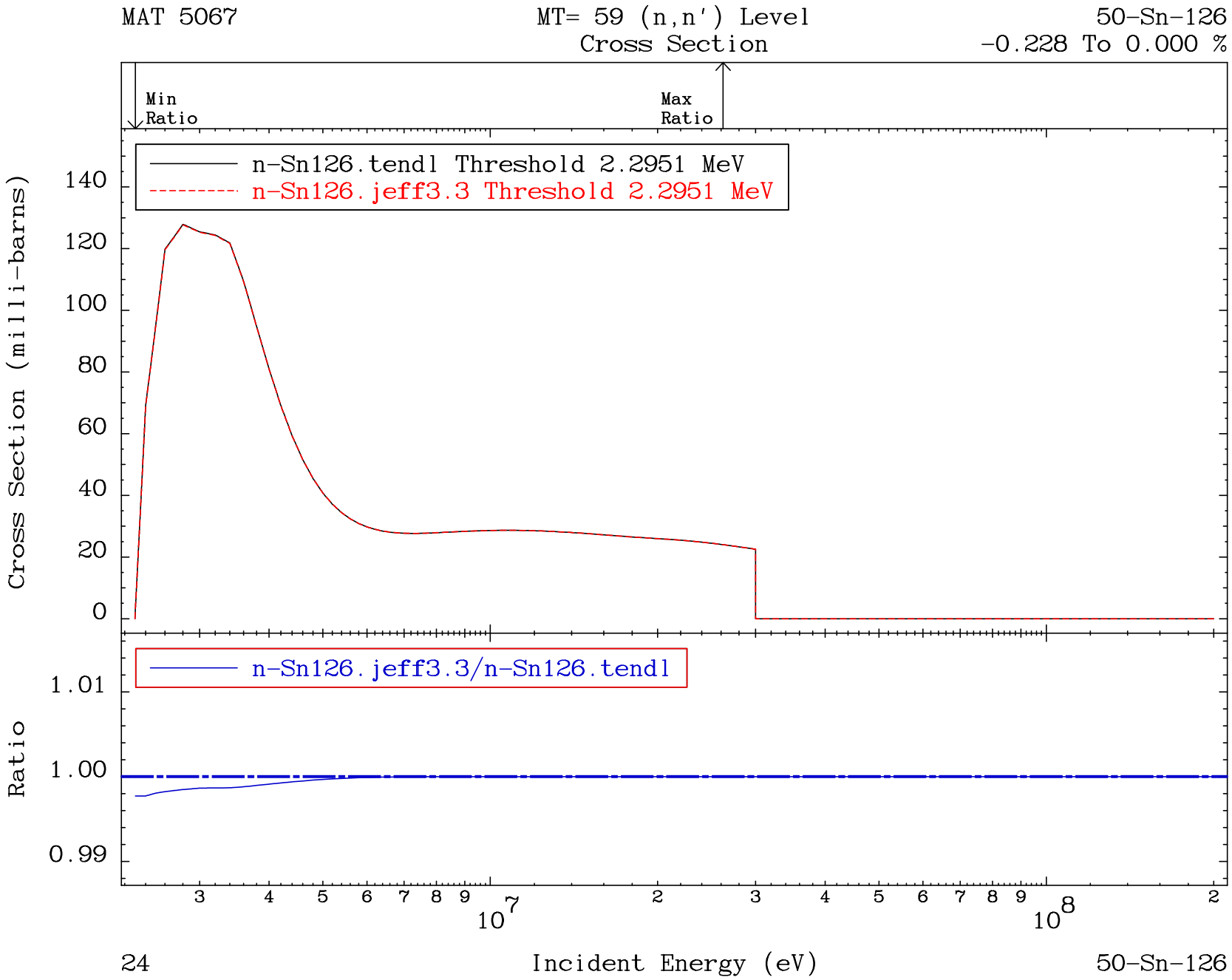

MAT 5067
MT= 54 (n,n') Level
Cross Section
50-Sn-126
-0.257 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.1472 MeV
n-Sn126.jeff3.3 Threshold 2.1472 MeV
Cross Section (milli-barns)
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
50-Sn-126

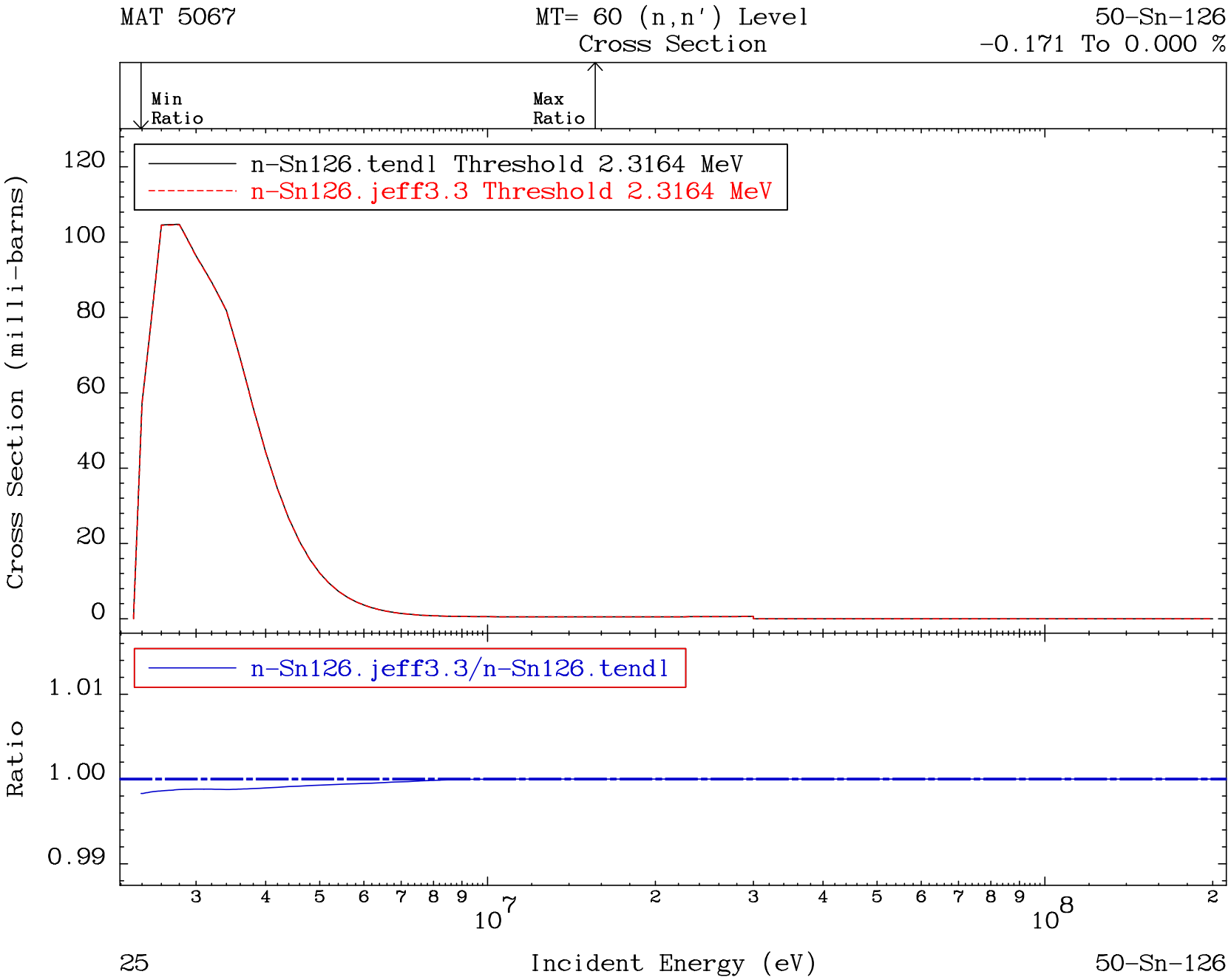

MAT 5067
MT= 55 (n,n') Level
Cross Section
50-Sn-126
-2.239 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.1789 MeV
n-Sn126.jeff3.3 Threshold 2.1789 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.99
0.98
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
50-Sn-126

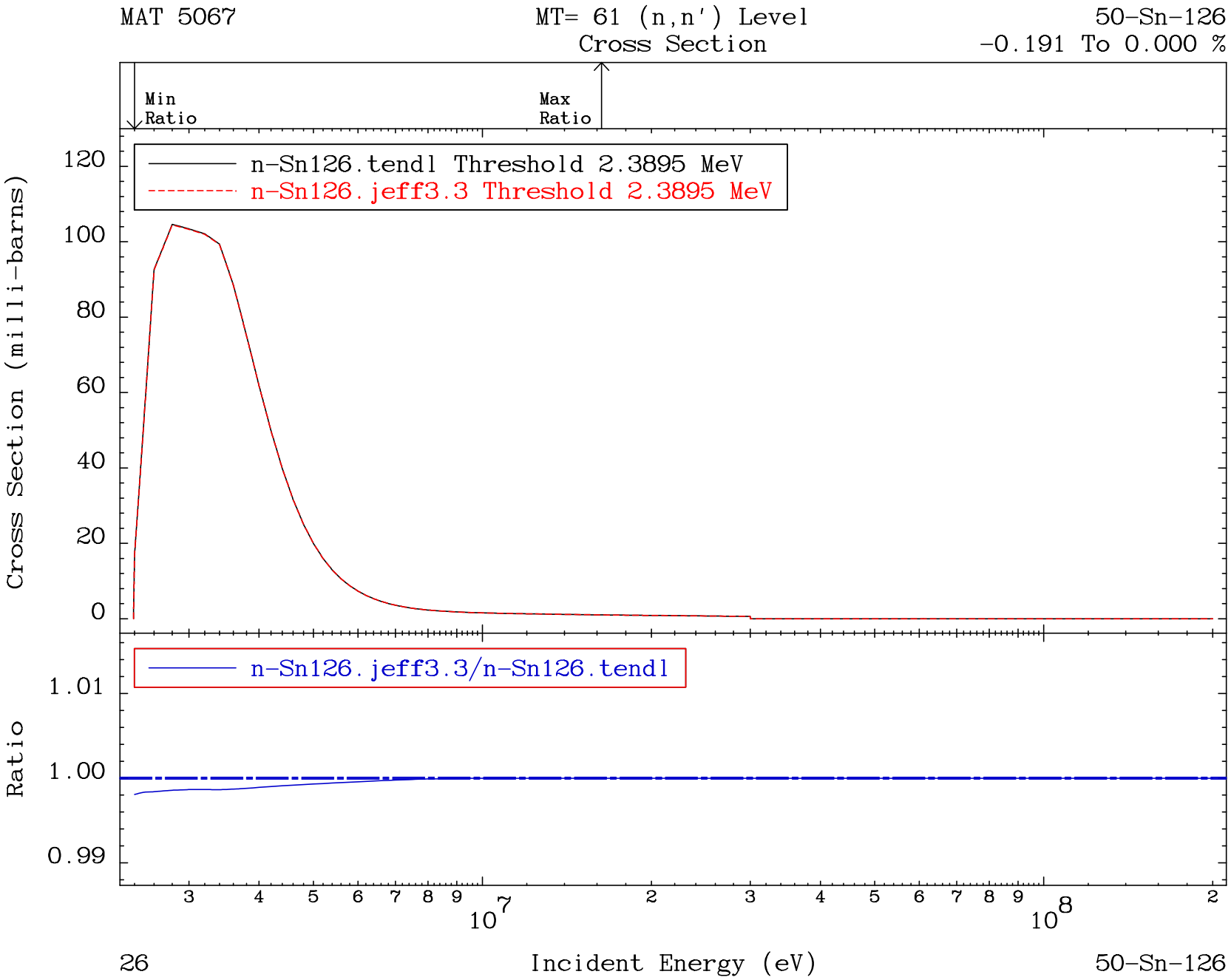

MAT 5067
MT= 56 (n,n') Level
Cross Section
50-Sn-126
-0.299 To 0.035 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.2118 MeV
n-Sn126.jeff3.3 Threshold 2.2118 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
21
Incident Energy (eV)
50-Sn-126

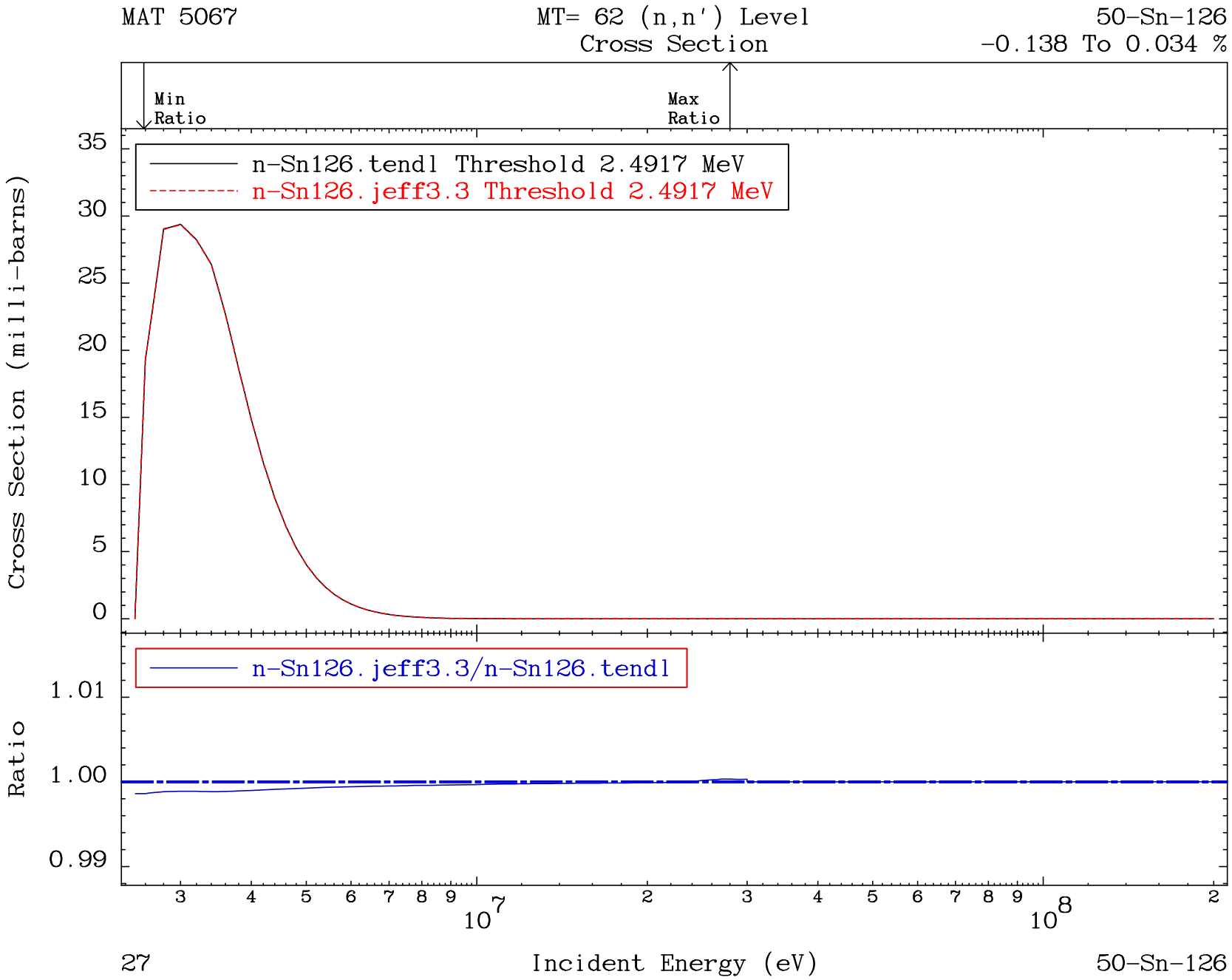

MAT 5067
MT= 57 (n,n') Level
Cross Section
50-Sn-126
-1.709 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.2368 MeV
n-Sn126.jeff3.3 Threshold 2.2368 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
0.98
0.99
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
50-Sn-126

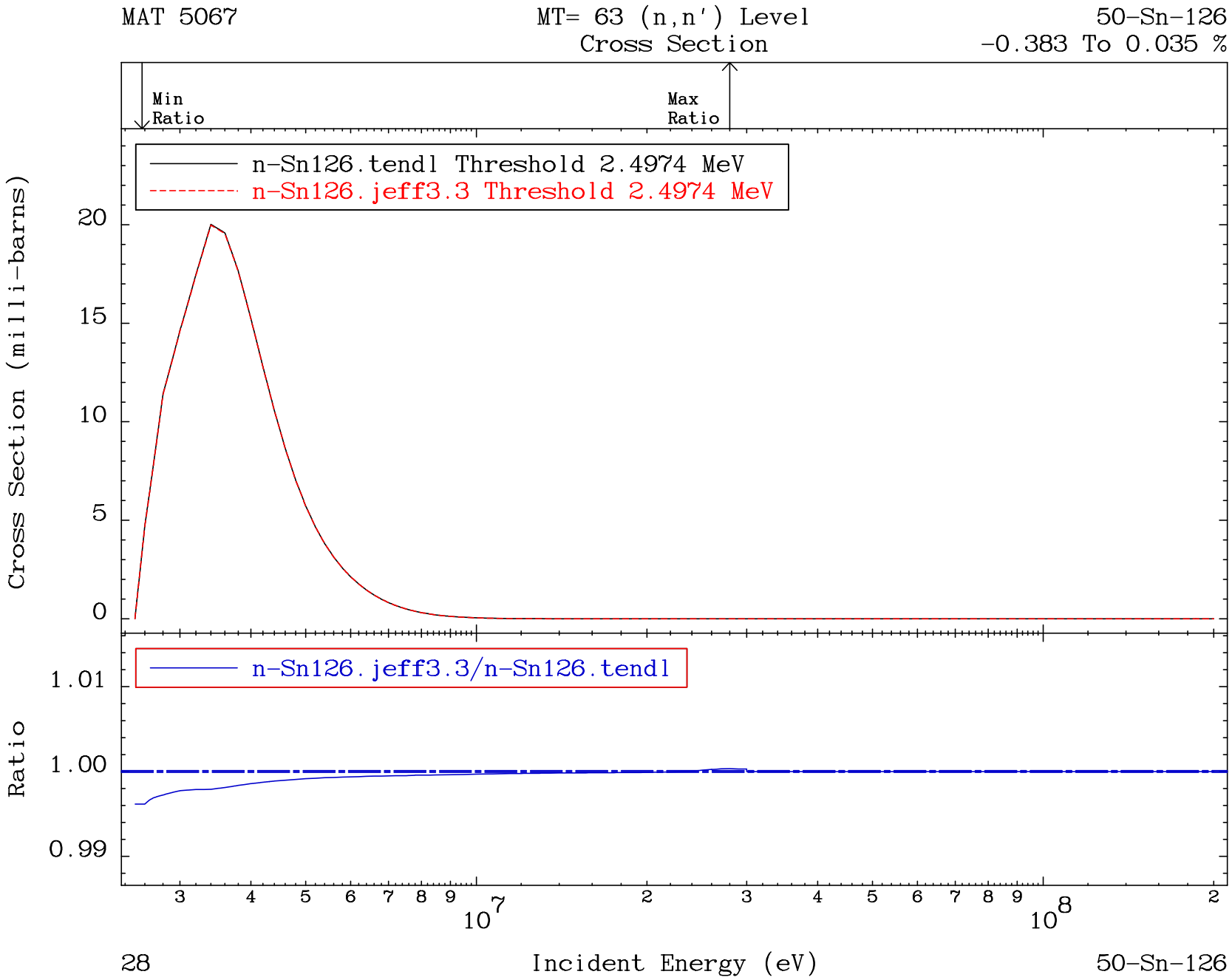

MAT 5067
MT= 58 (n,n') Level
Cross Section
50-Sn-126
-0.337 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.2746 MeV
n-Sn126.jeff3.3 Threshold 2.2746 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
50-Sn-126

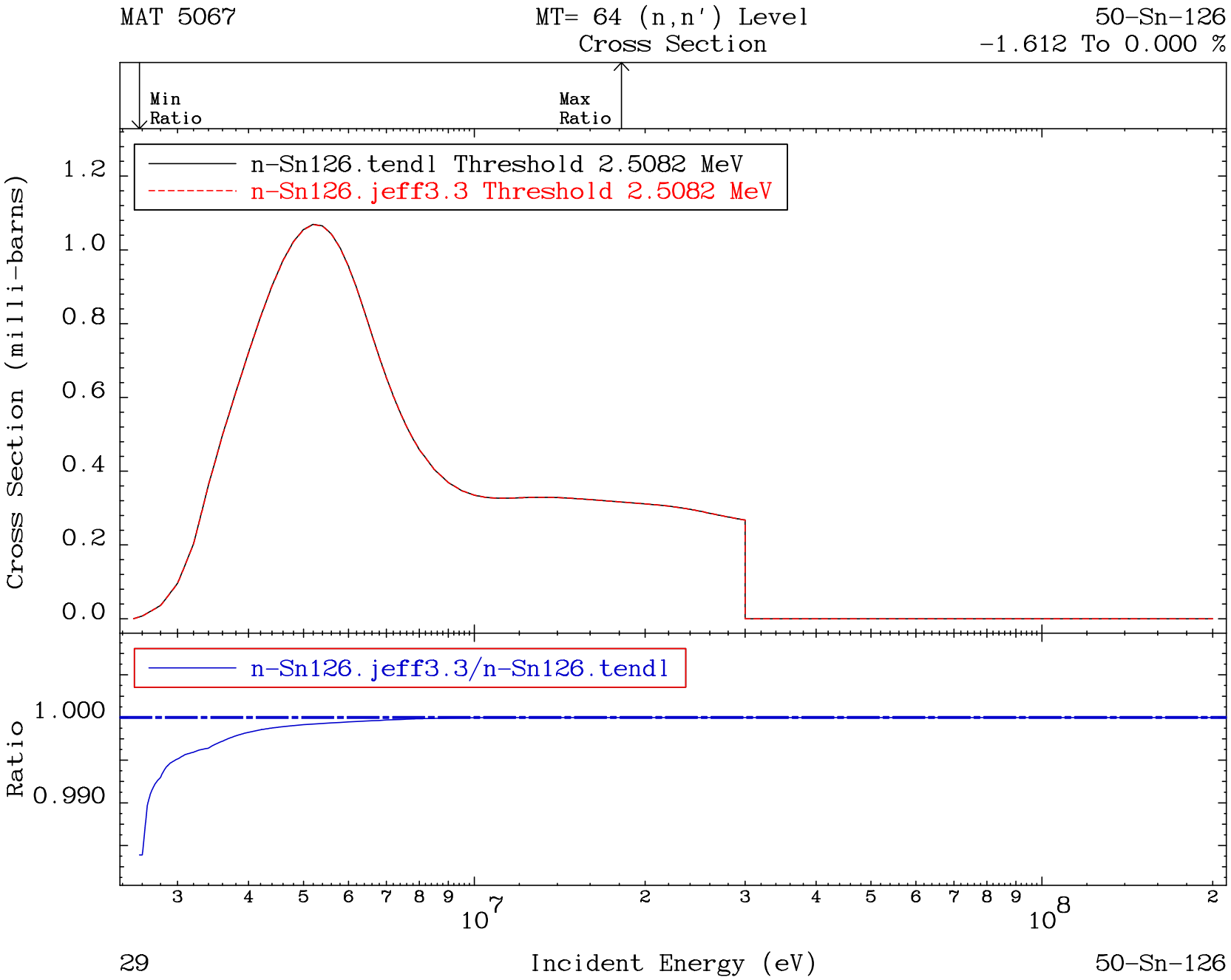

MAT 5067
MT= 59 (n,n') Level
Cross Section
50-Sn-126
-0.228 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.2951 MeV
n-Sn126.jeff3.3 Threshold 2.2951 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
50-Sn-126

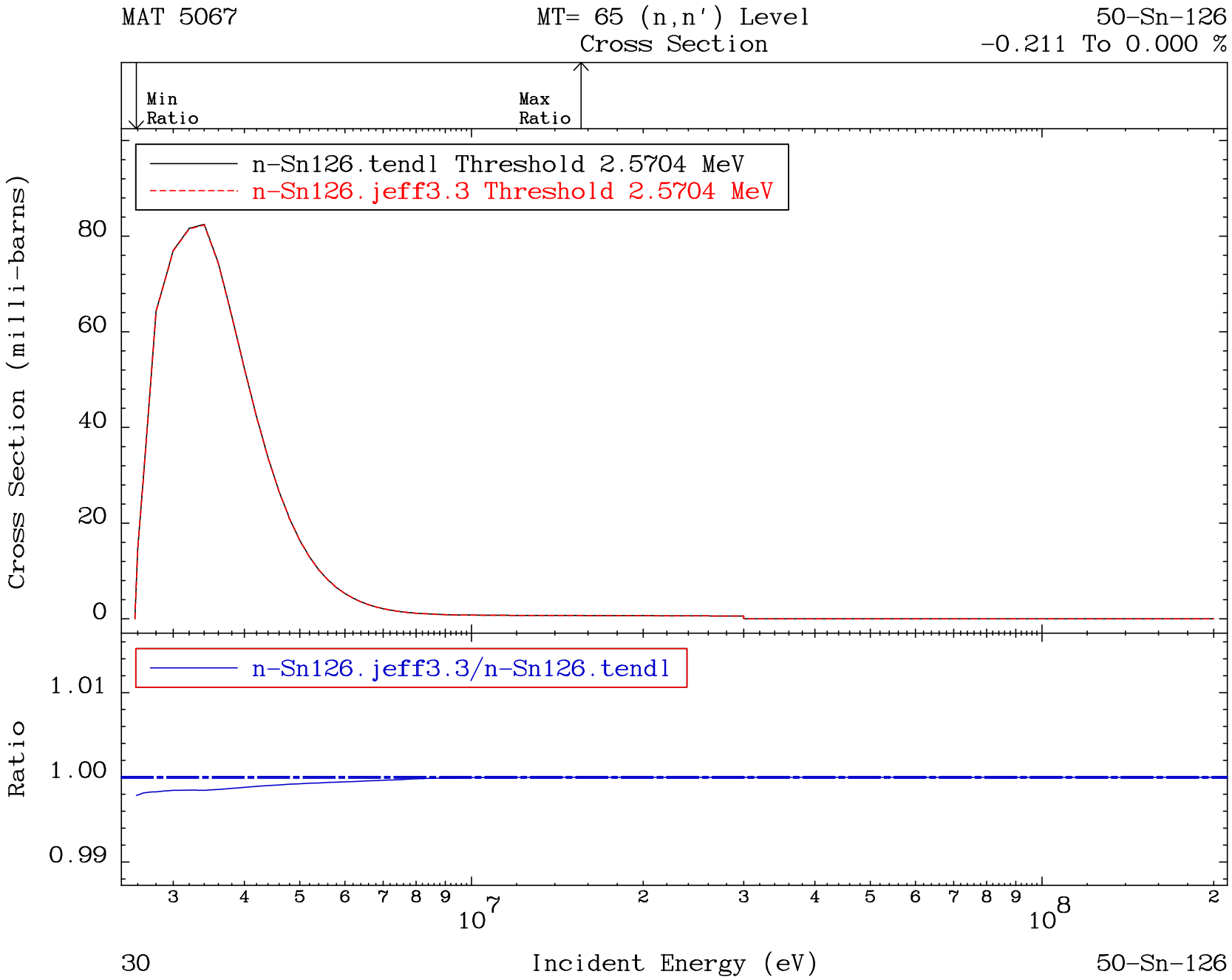

MAT 5067
MT= 60 (n,n') Level
Cross Section
50-Sn-126
-0.171 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.3164 MeV
n-Sn126.jeff3.3 Threshold 2.3164 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
50-Sn-126

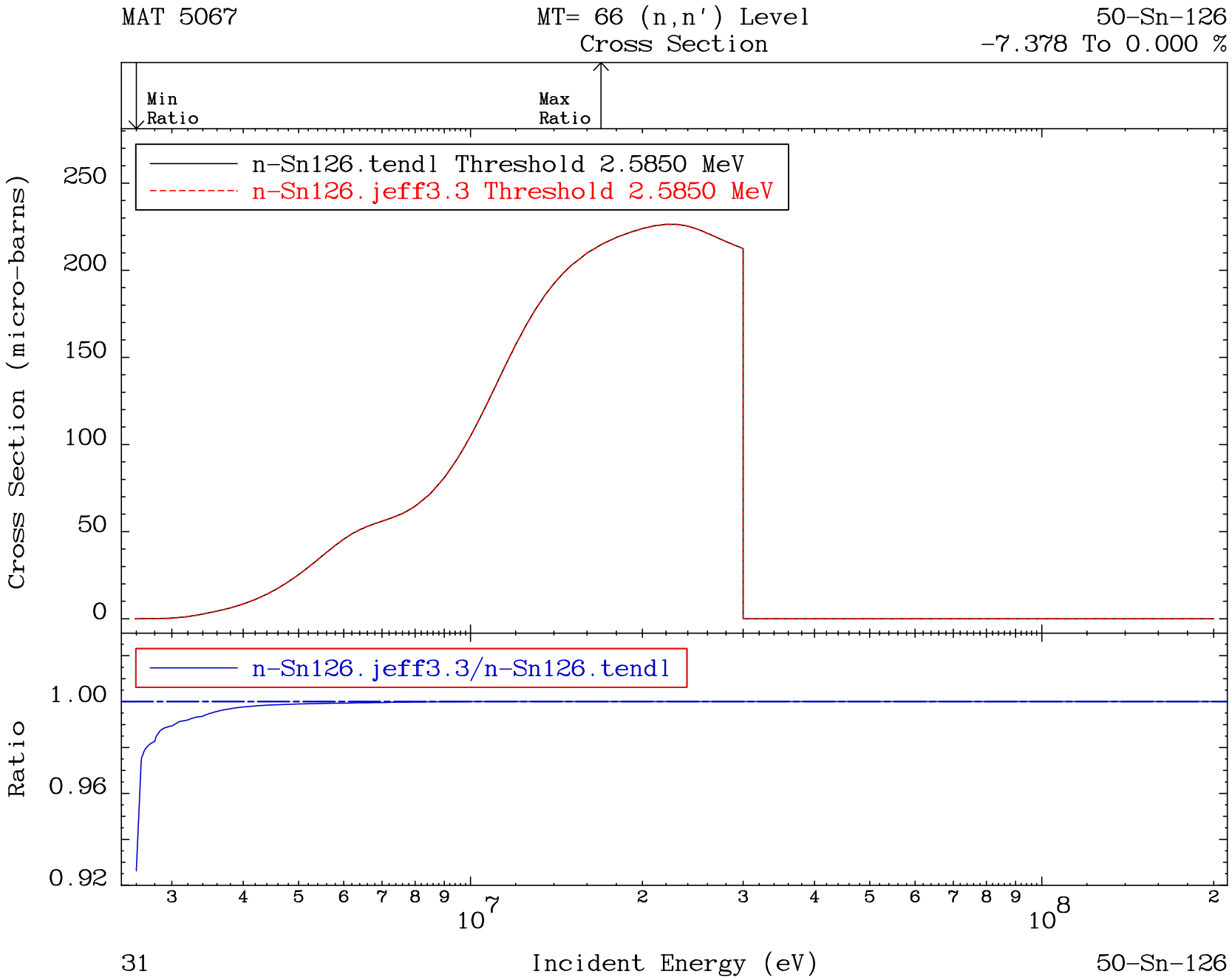

MAT 5067
MT= 61 (n,n') Level
Cross Section
50-Sn-126
-0.191 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.3895 MeV
n-Sn126.jeff3.3 Threshold 2.3895 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
50-Sn-126

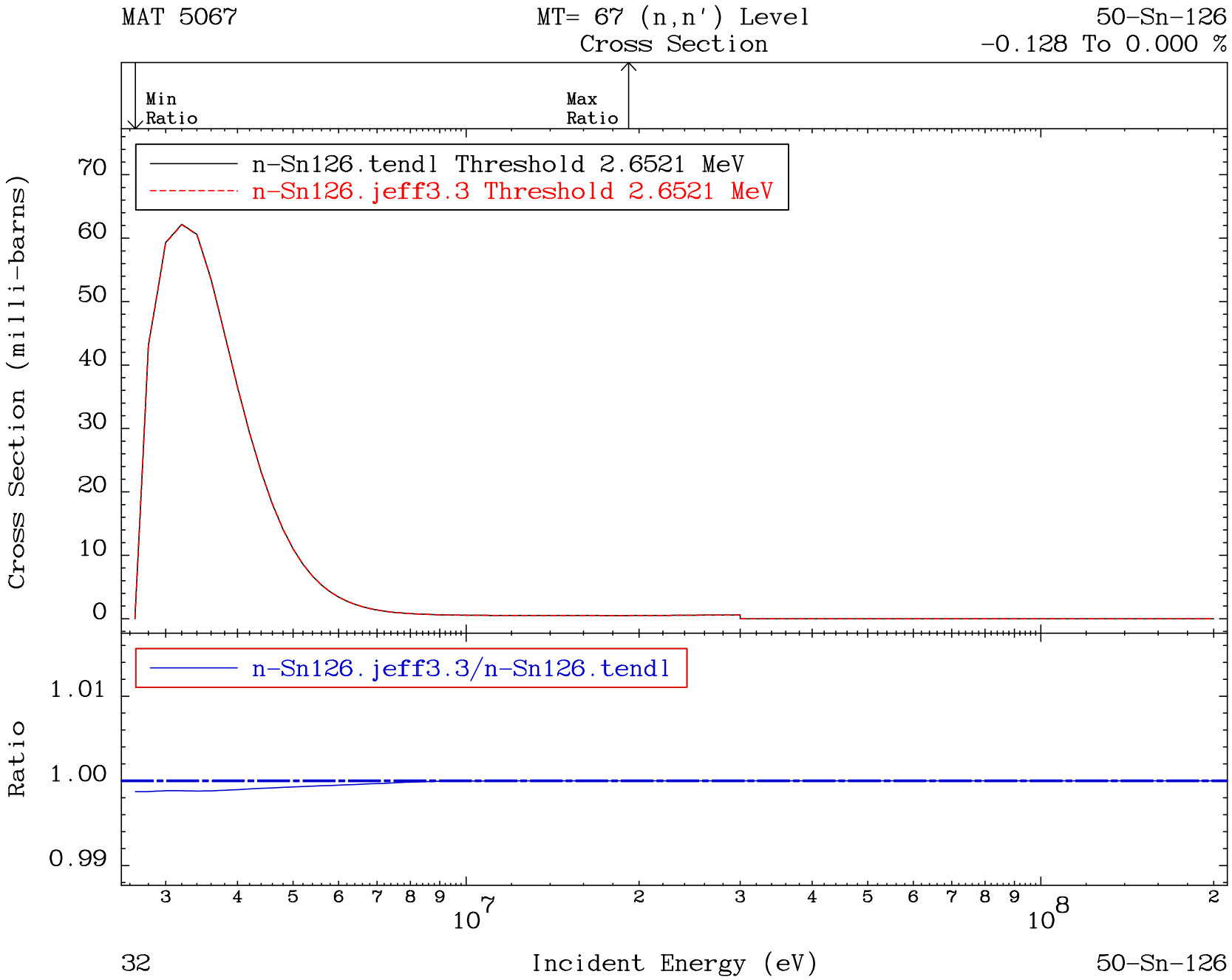

MAT 5067
MT= 62 (n,n') Level
Cross Section
50-Sn-126
-0.138 To 0.034 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.4917 MeV
n-Sn126.jeff3.3 Threshold 2.4917 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
50-Sn-126

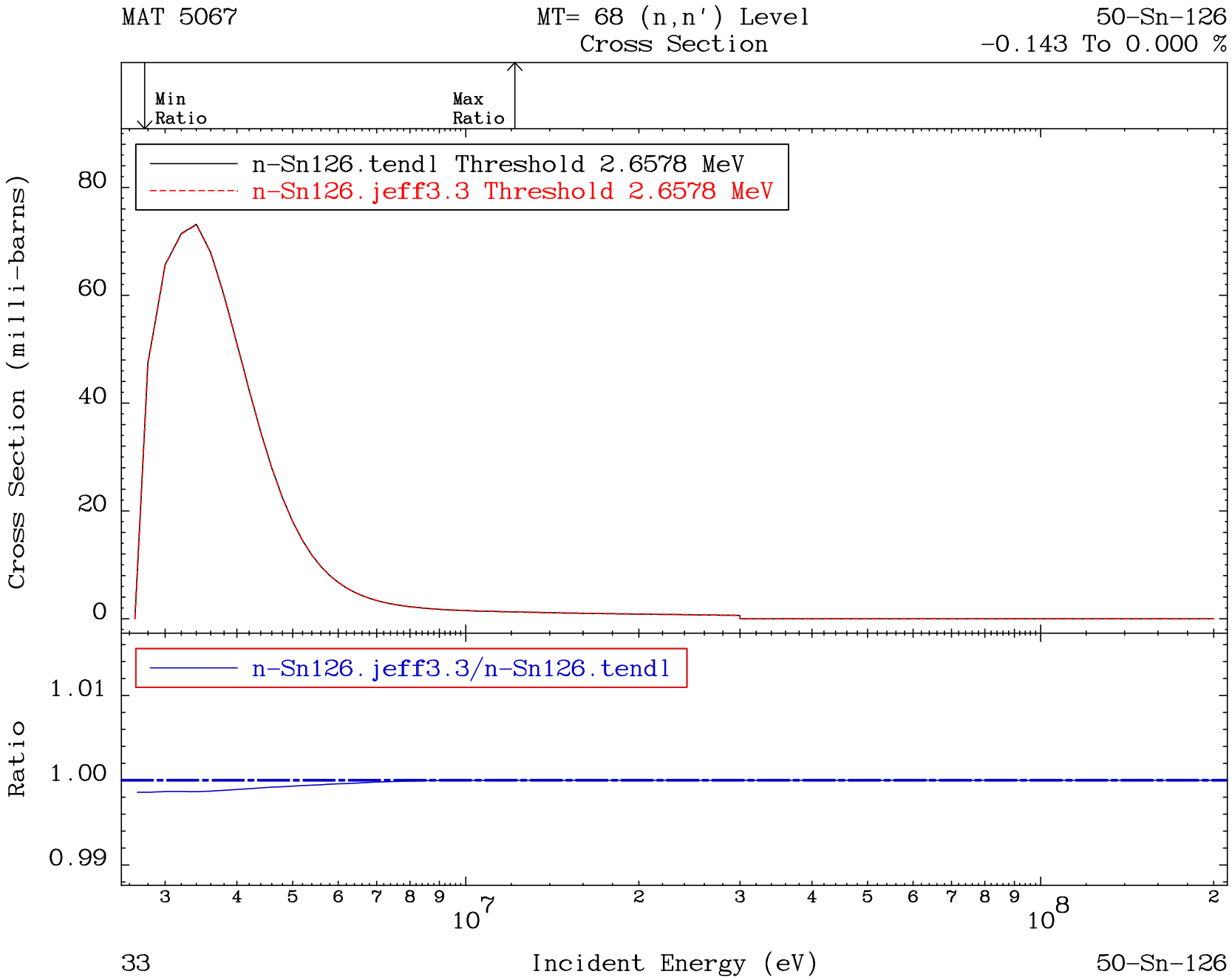

MAT 5067
MT= 63 (n,n') Level
Cross Section
50-Sn-126
-0.383 To 0.035 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.4974 MeV
n-Sn126.jeff3.3 Threshold 2.4974 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
50-Sn-126

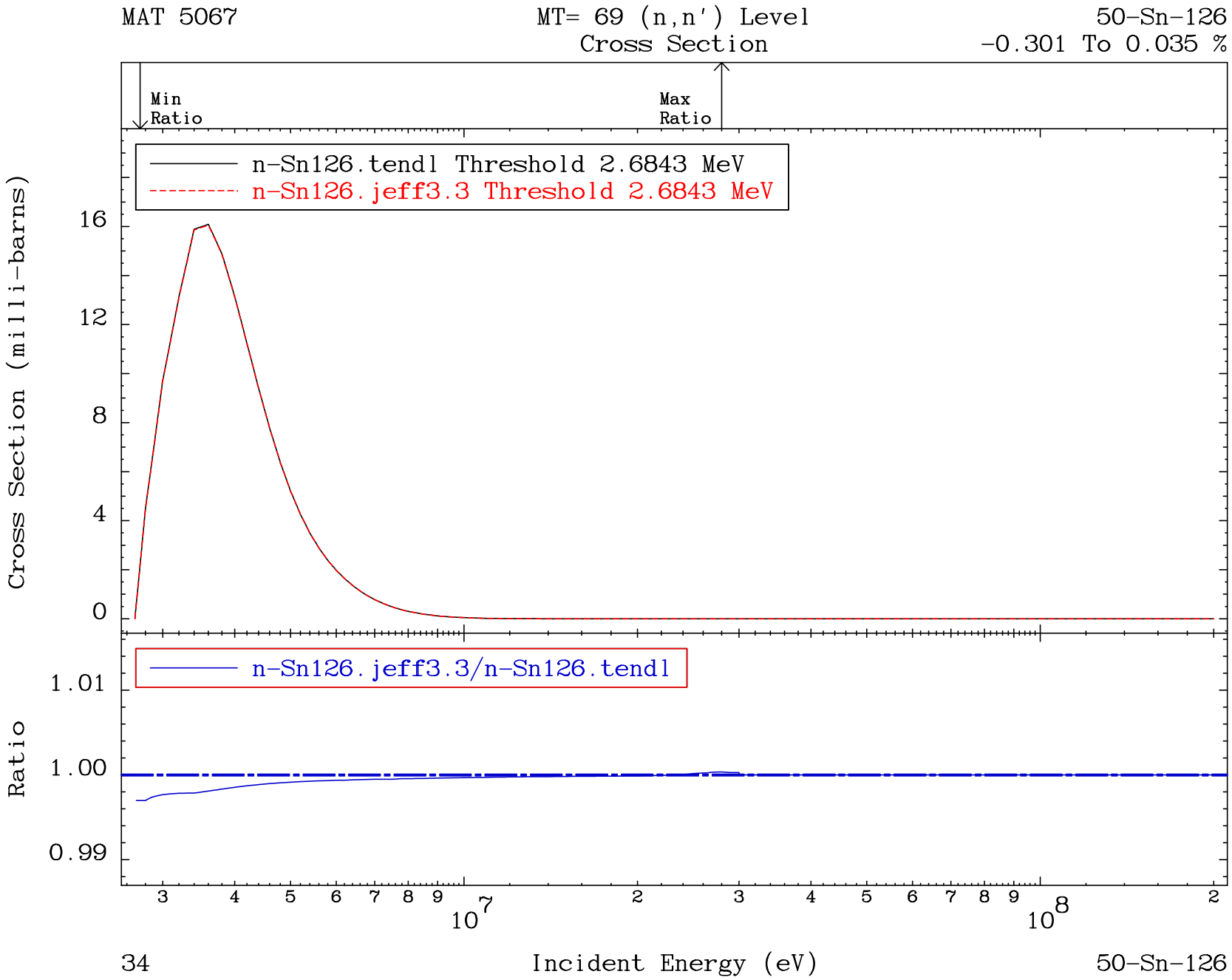

MAT 5067
MT= 64 (n,n') Level
Cross Section
50-Sn-126
-1.612 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.5082 MeV
n-Sn126.jeff3.3 Threshold 2.5082 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.000
0.990
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
50-Sn-126

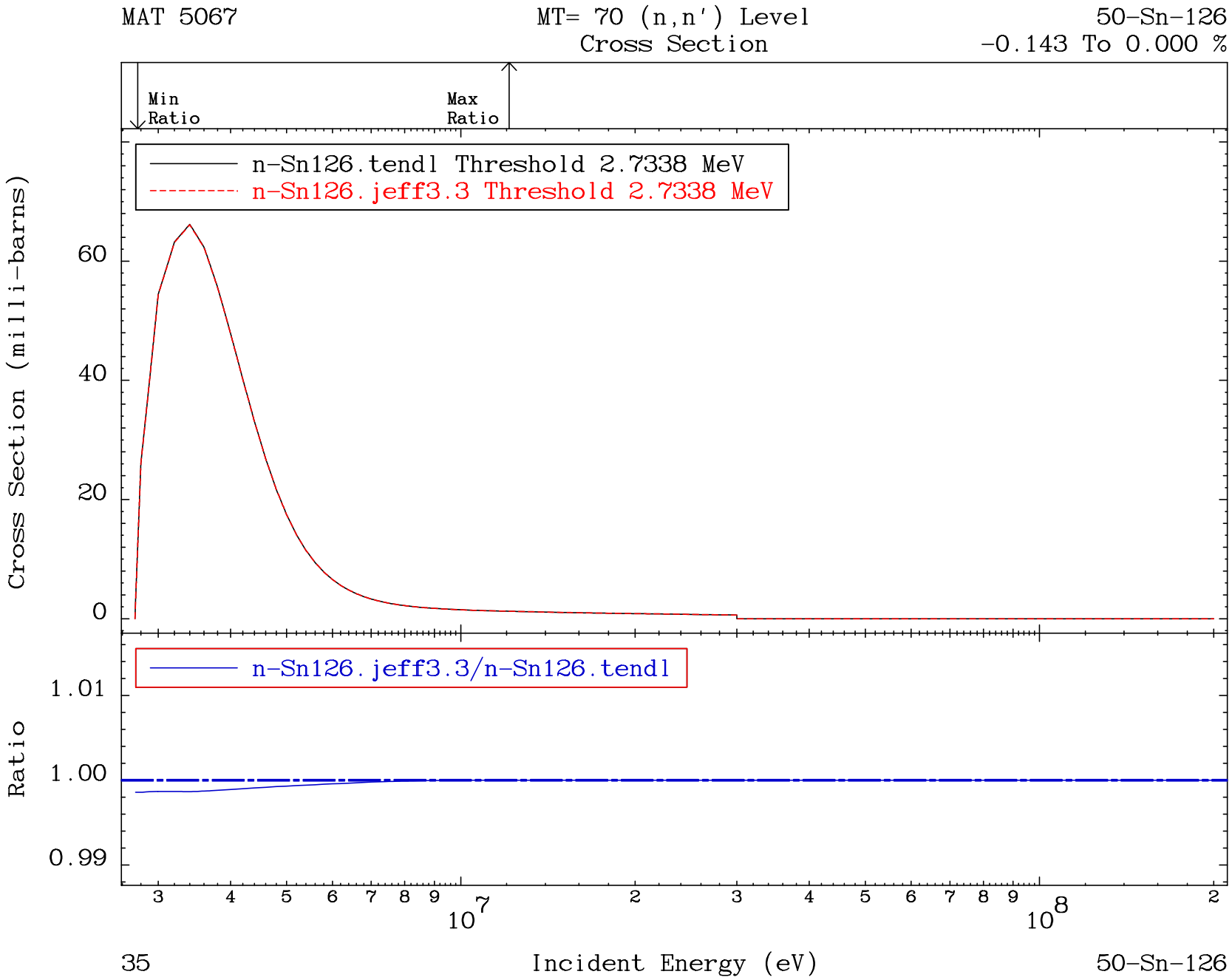

MAT 5067
MT= 65 (n,n') Level
Cross Section
50-Sn-126
-0.211 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.5704 MeV
n-Sn126.jeff3.3 Threshold 2.5704 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
50-Sn-126

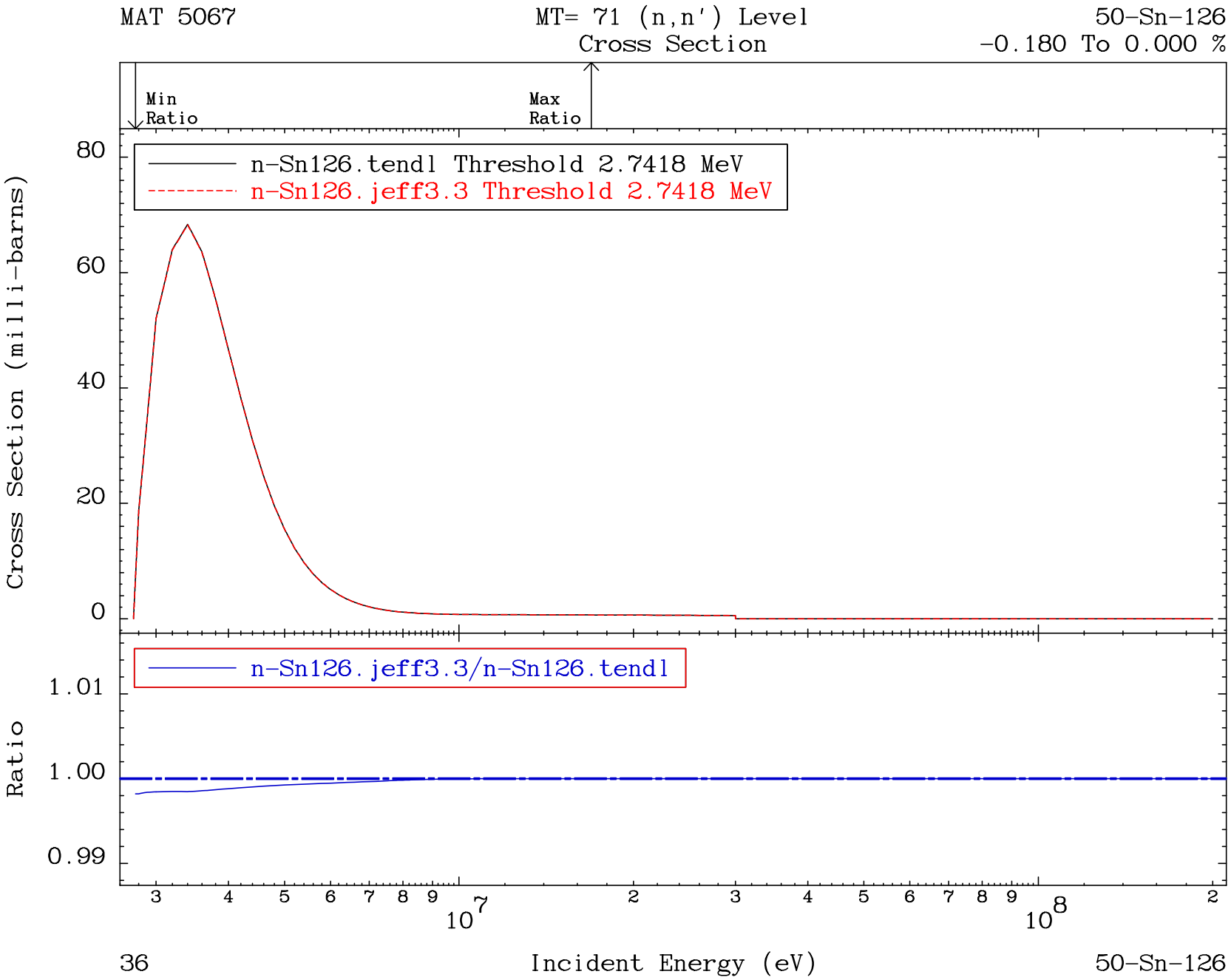

MAT 5067
MT= 66 (n,n') Level
Cross Section
50-Sn-126
-7.378 To 0.000 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.5850 MeV
n-Sn126.jeff3.3 Threshold 2.5850 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.96
0.92
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
50-Sn-126

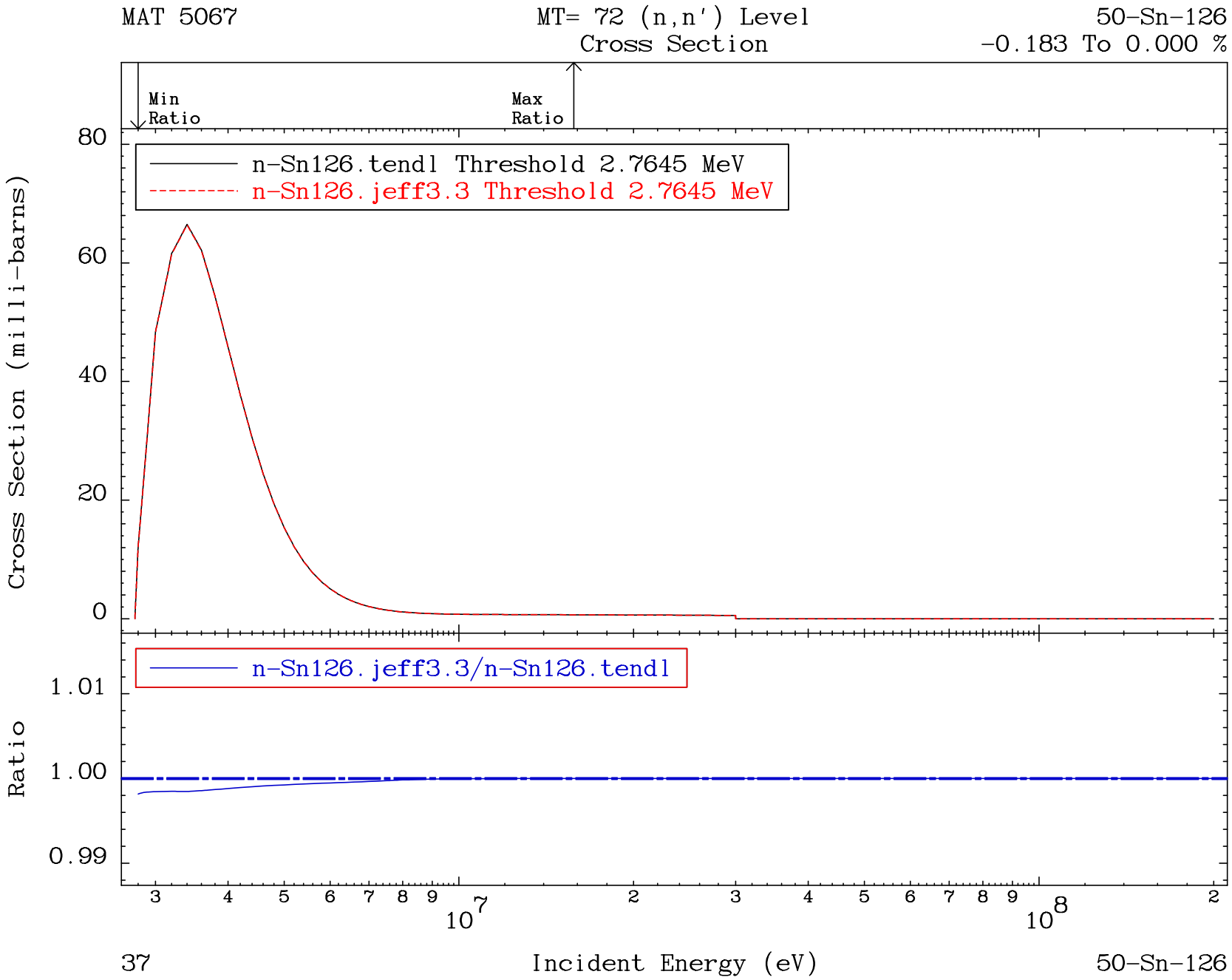

MAT 5067
MT= 67 (n,n') Level
Cross Section
50-Sn-126
-0.128 To 0.000 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.6521 MeV
n-Sn126.jeff3.3 Threshold 2.6521 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
50-Sn-126

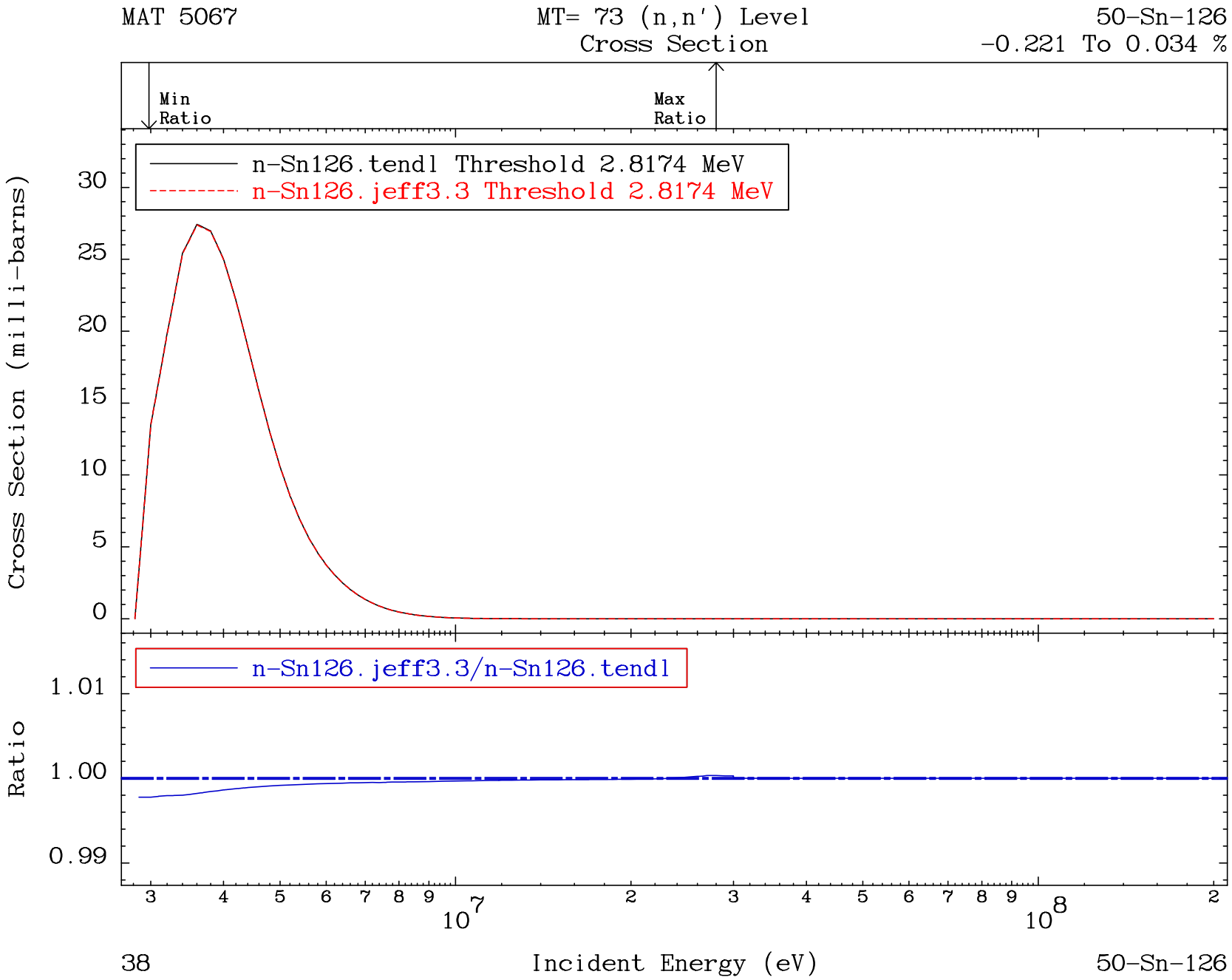

MAT 5067
MT= 68 (n,n') Level
Cross Section
50-Sn-126
-0.143 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.6578 MeV
n-Sn126.jeff3.3 Threshold 2.6578 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
50-Sn-126

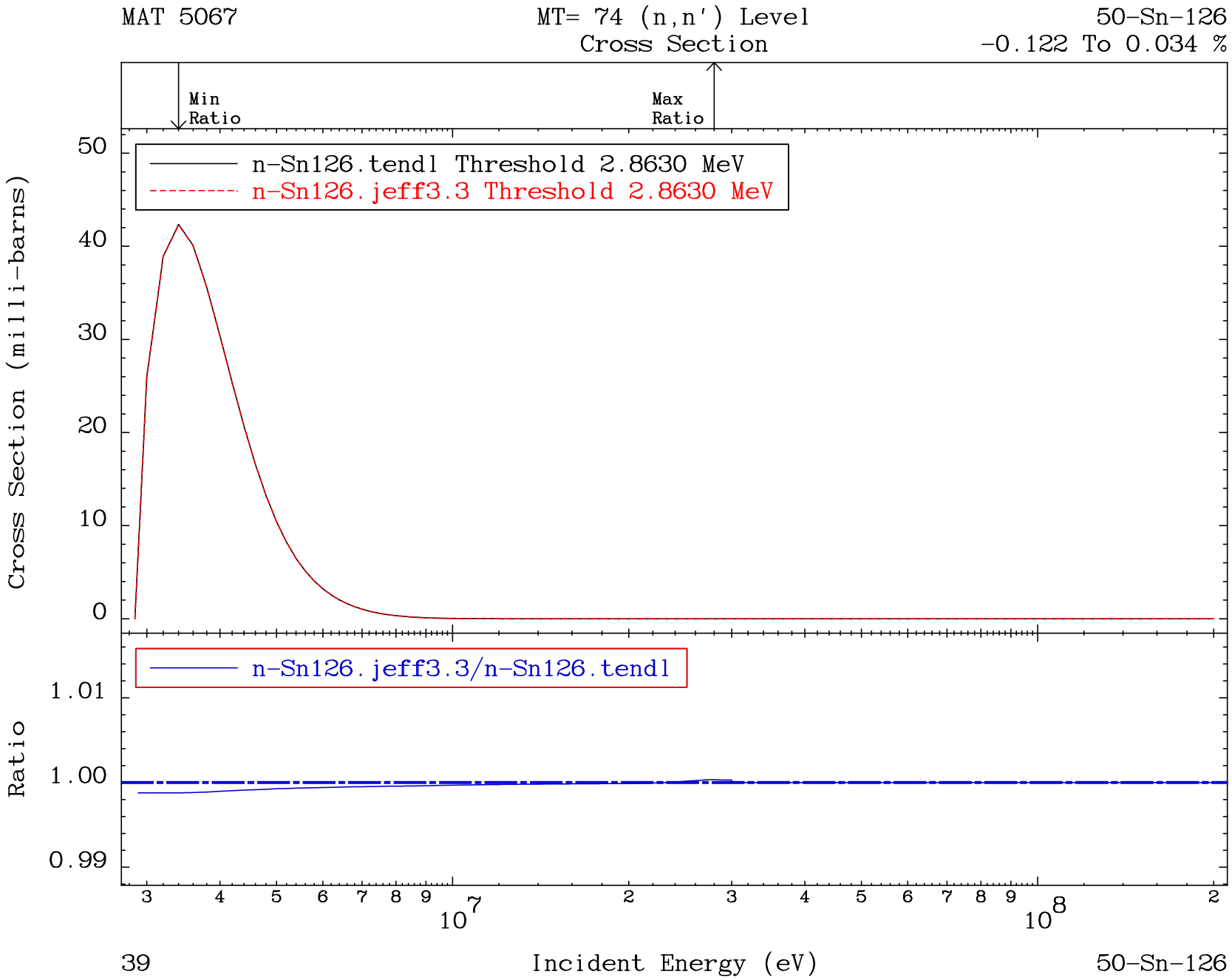

MAT 5067
MT= 69 (n,n') Level
Cross Section
50-Sn-126
-0.301 To 0.035 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.6843 MeV
n-Sn126.jeff3.3 Threshold 2.6843 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
50-Sn-126

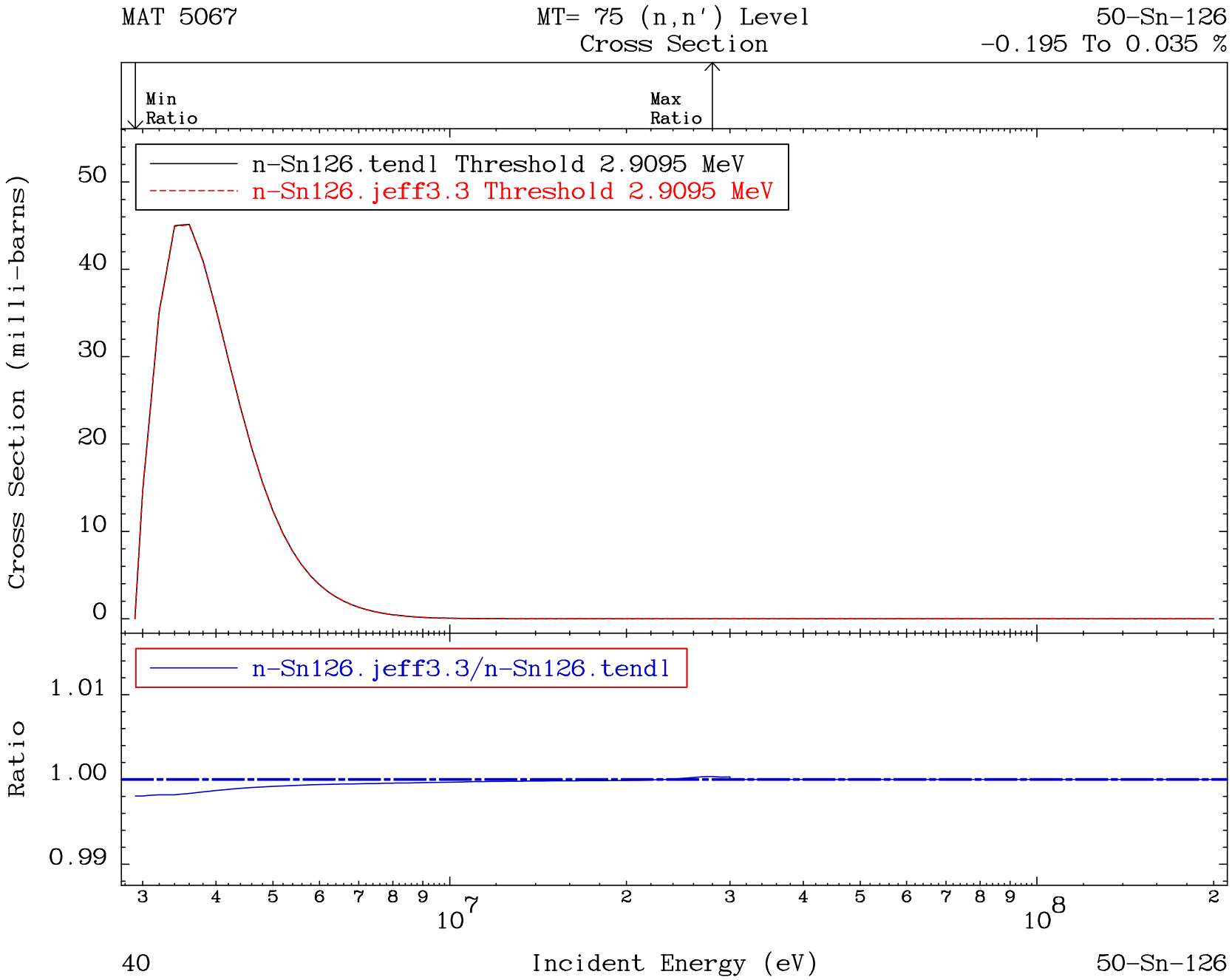

MAT 5067
MT= 70 (n,n') Level
Cross Section
50-Sn-126
-0.143 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.7338 MeV
n-Sn126.jeff3.3 Threshold 2.7338 MeV
Cross Section (milli-barns)
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
50-Sn-126

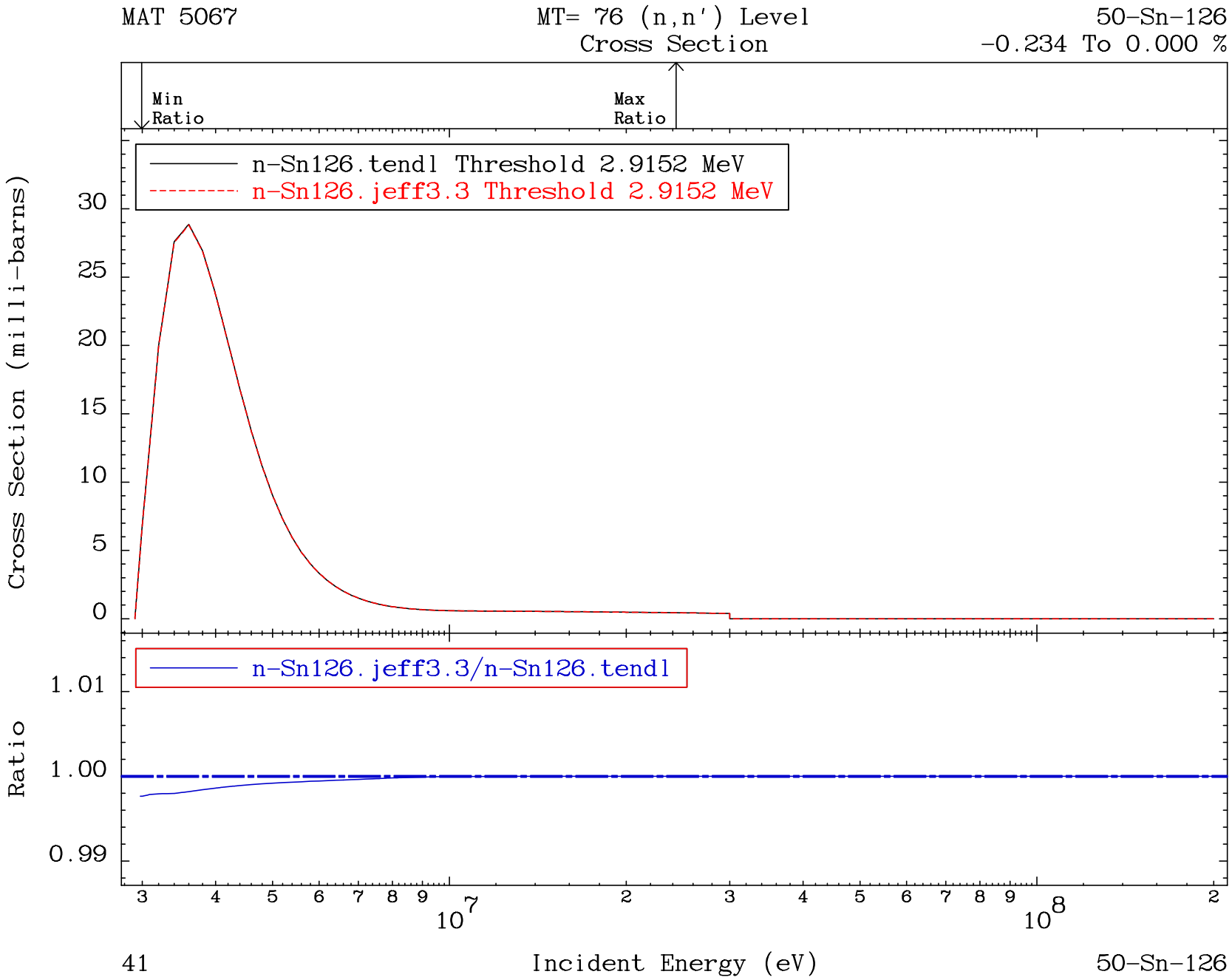

MAT 5067
MT= 71 (n,n') Level
Cross Section
50-Sn-126
-0.180 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.7418 MeV
n-Sn126.jeff3.3 Threshold 2.7418 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
50-Sn-126

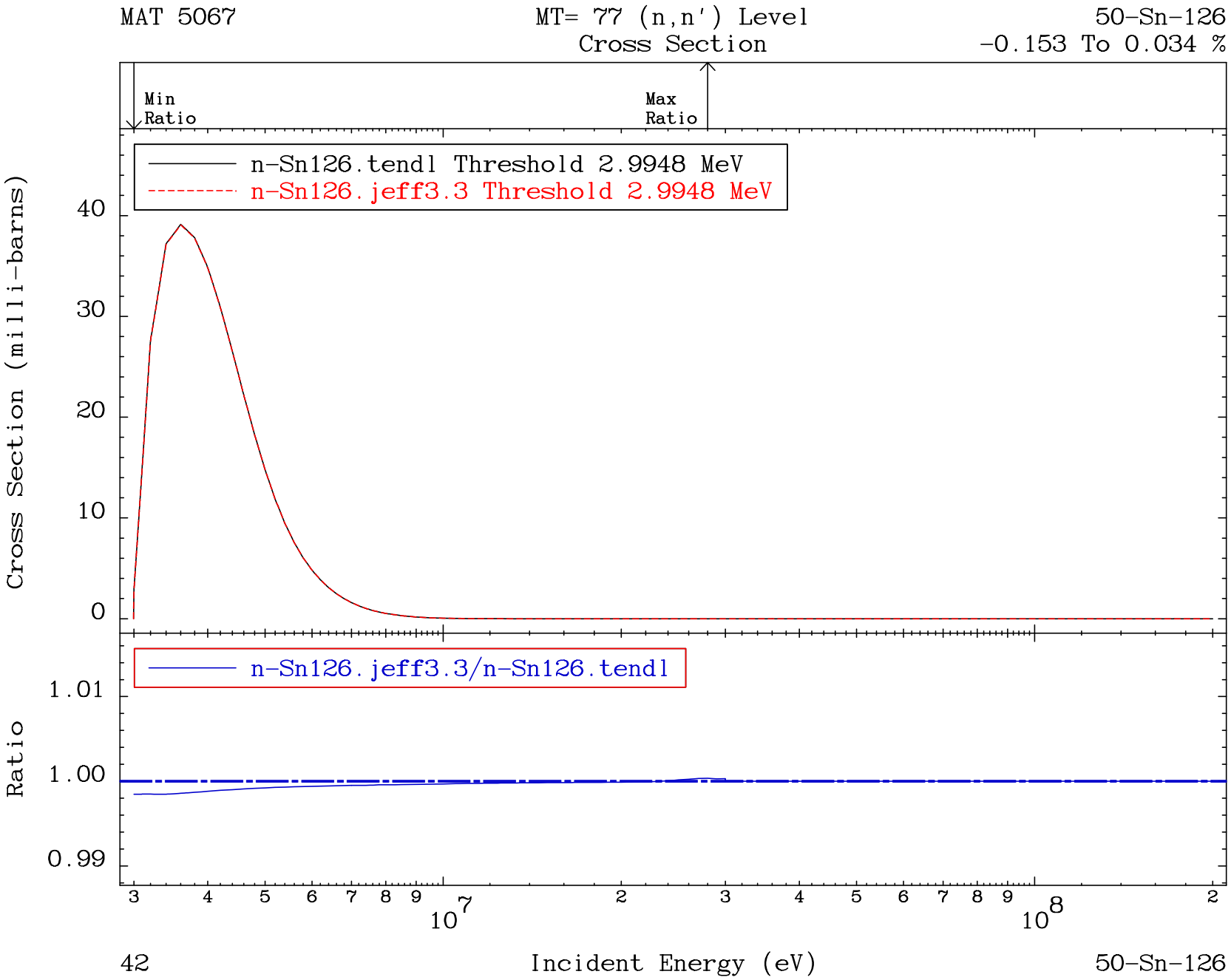

MAT 5067
MT= 72 (n,n') Level
Cross Section
50-Sn-126
-0.183 To 0.000 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.7645 MeV
n-Sn126.jeff3.3 Threshold 2.7645 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
37
Incident Energy (eV)
50-Sn-126

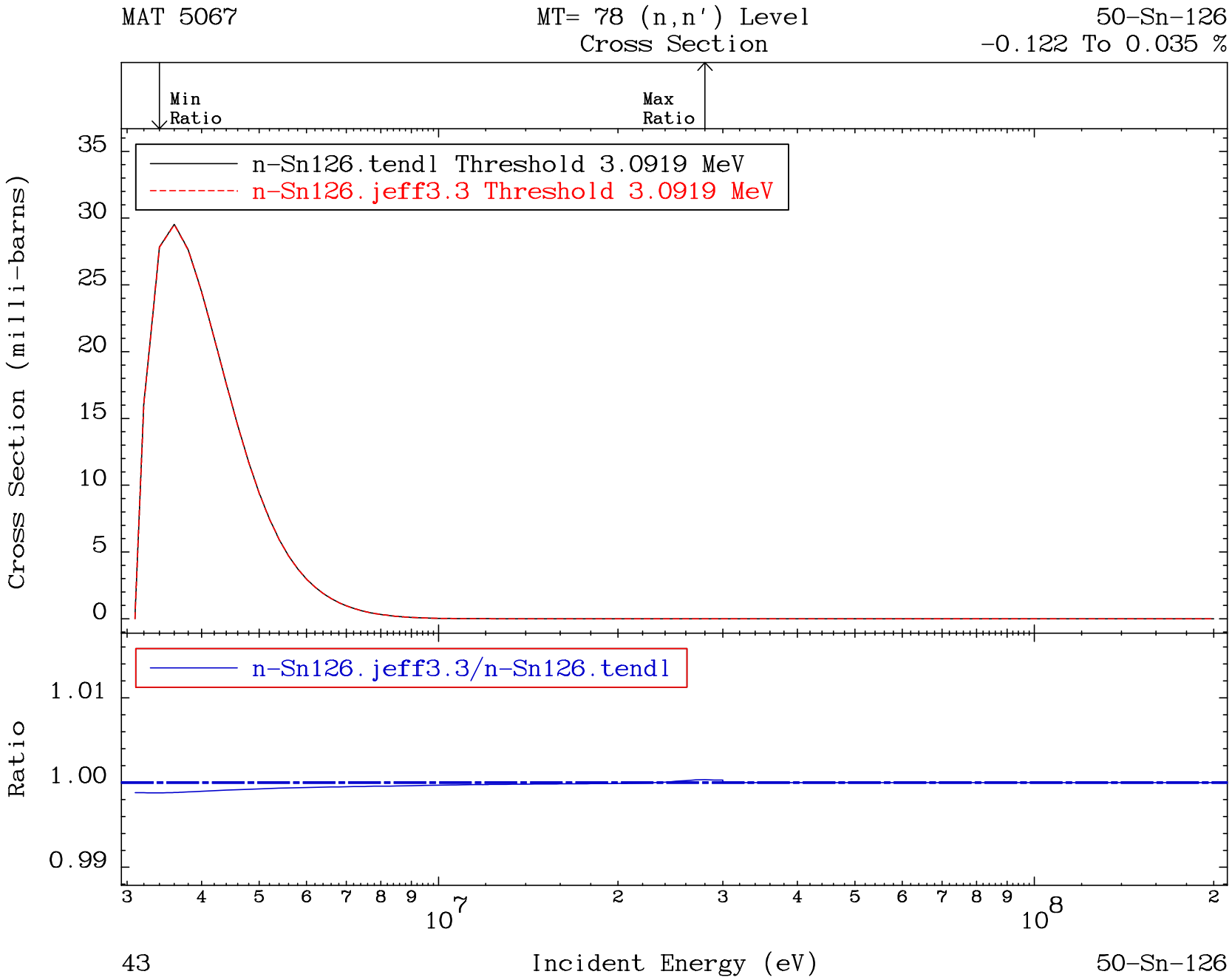

MAT 5067
MT= 73 (n,n') Level
Cross Section
50-Sn-126
-0.221 To 0.034 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.8174 MeV
n-Sn126.jeff3.3 Threshold 2.8174 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
38
Incident Energy (eV)
50-Sn-126

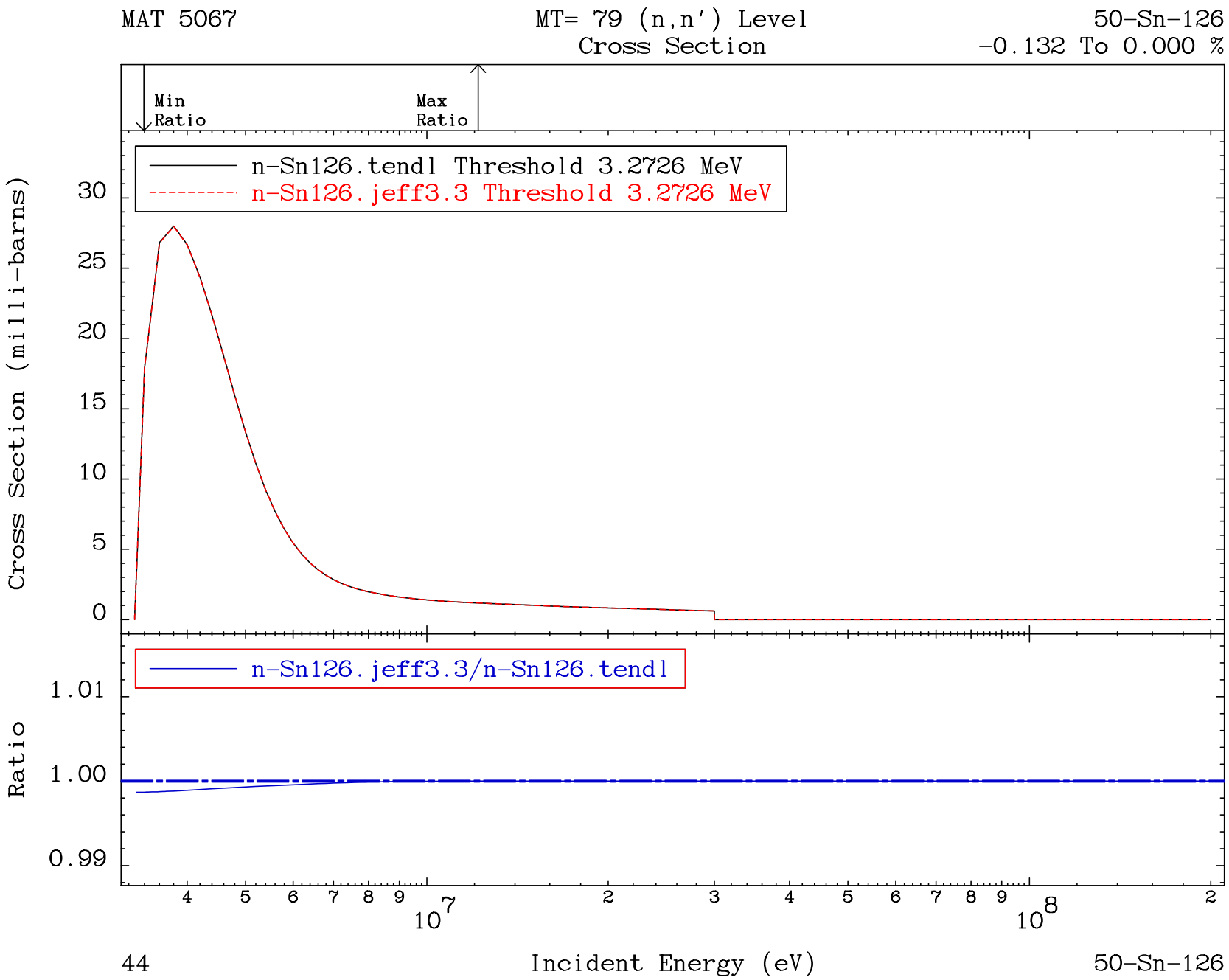

MAT 5067
MT= 74 (n,n') Level
Cross Section
50-Sn-126
-0.122 To 0.034 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.8630 MeV
n-Sn126.jeff3.3 Threshold 2.8630 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
39
Incident Energy (eV)
50-Sn-126

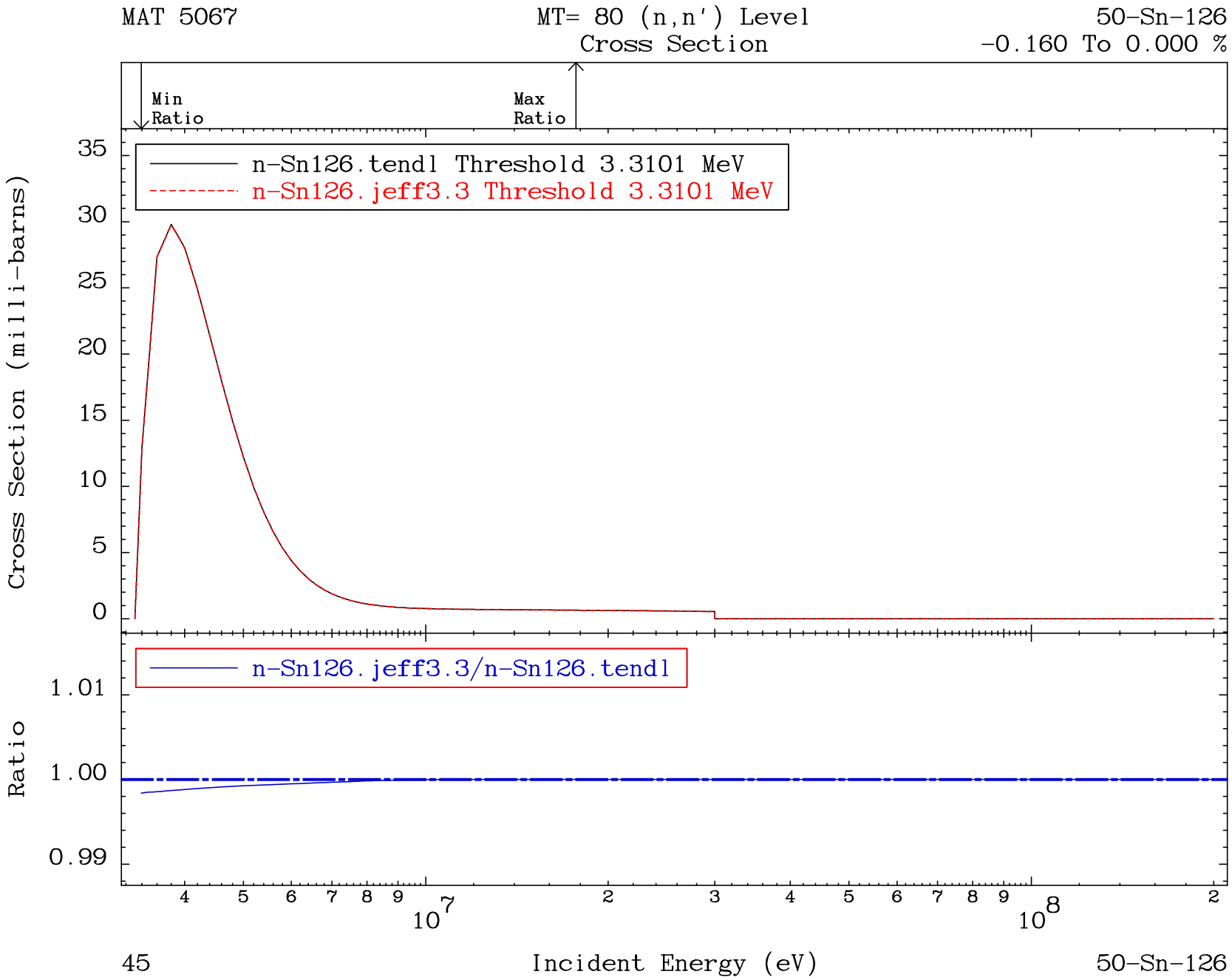

MAT 5067
MT= 75 (n,n') Level
Cross Section
50-Sn-126
-0.195 To 0.035 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.9095 MeV
n-Sn126.jeff3.3 Threshold 2.9095 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
40
Incident Energy (eV)
50-Sn-126

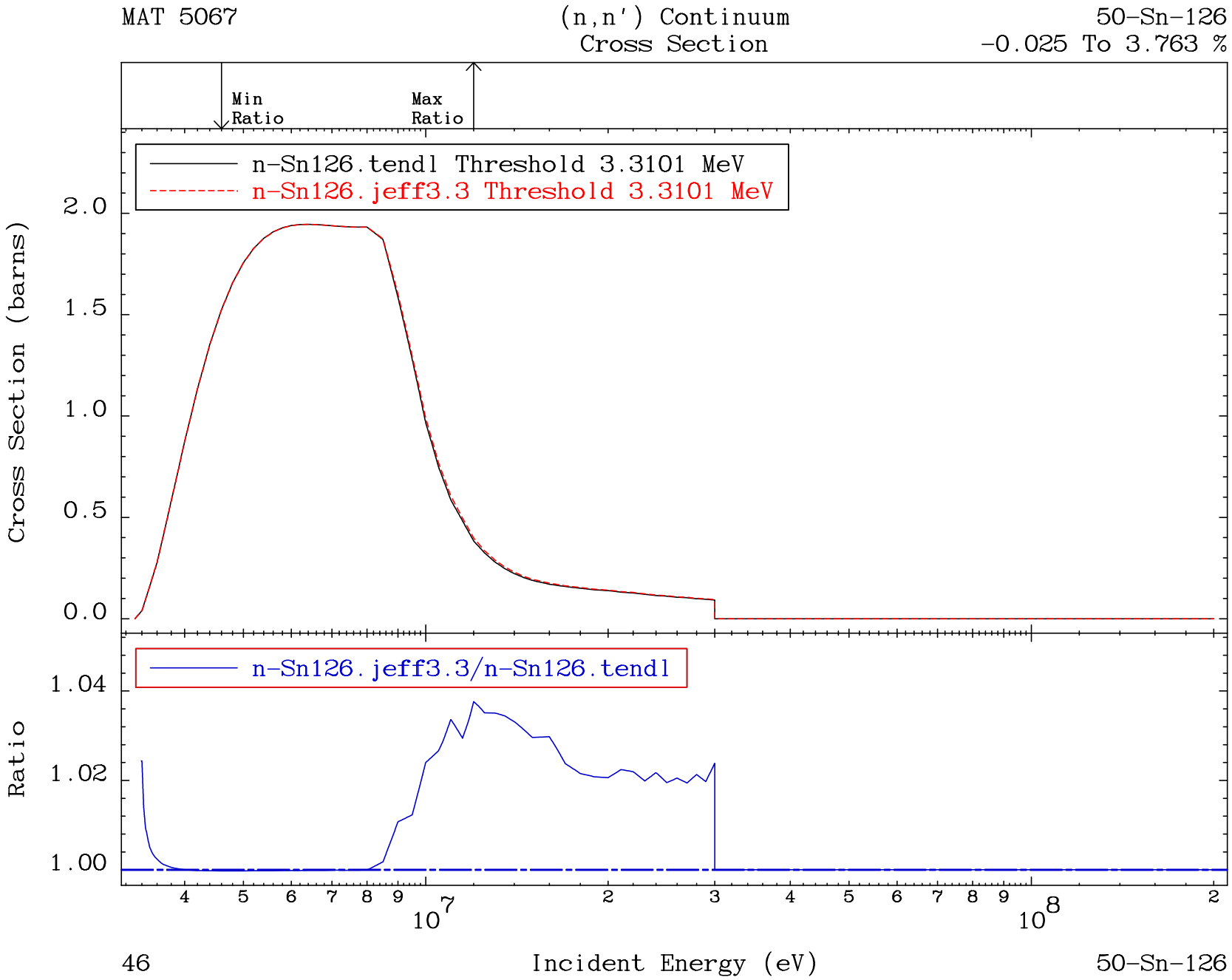

MAT 5067
MT= 76 (n,n') Level
Cross Section
50-Sn-126
-0.234 To 0.000 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.9152 MeV
n-Sn126.jeff3.3 Threshold 2.9152 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
50-Sn-126

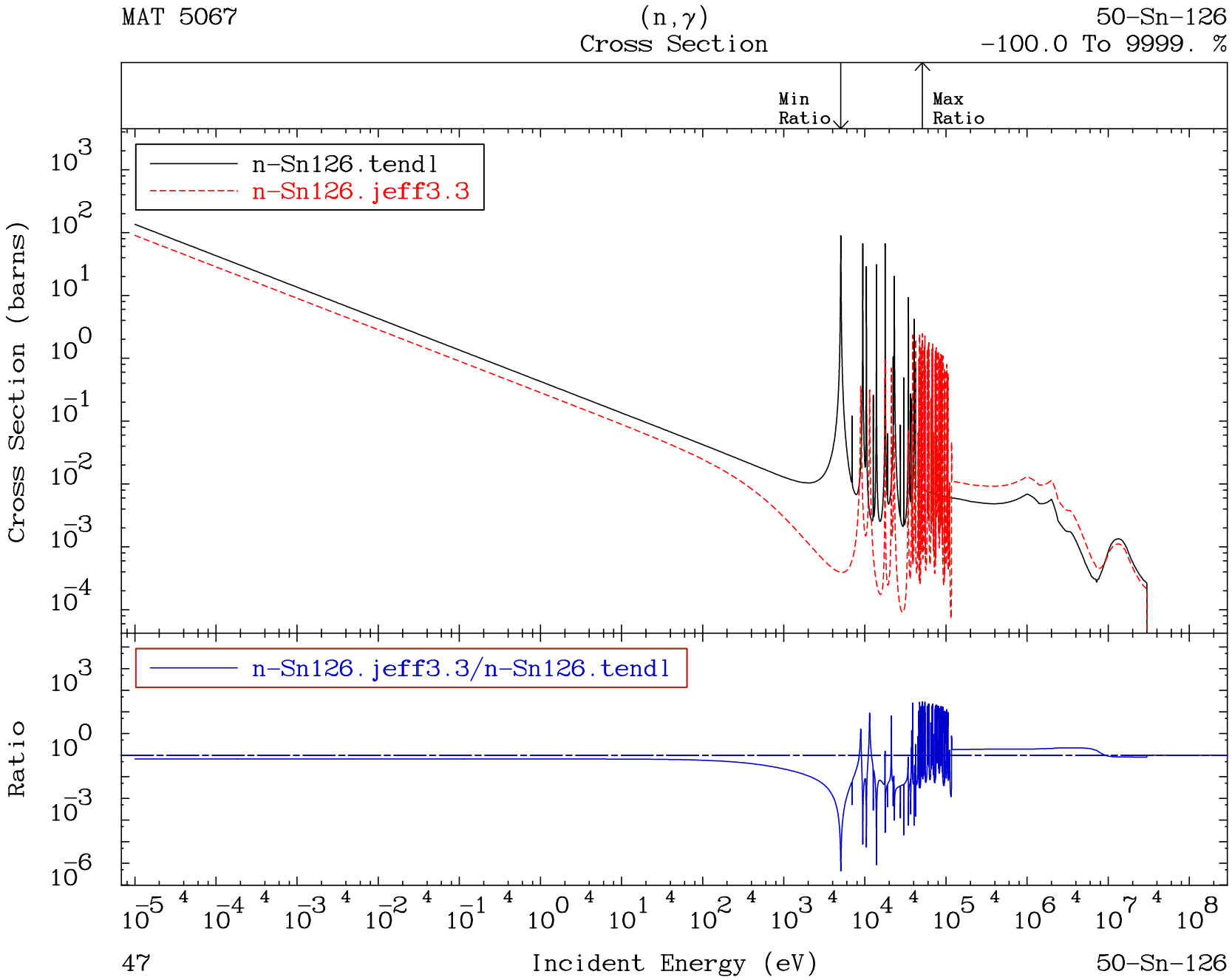

MAT 5067
MT= 77 (n,n') Level
Cross Section
50-Sn-126
-0.153 To 0.034 %
Min
Ratio
Max
Ratio
n-Sn126.tendl Threshold 2.9948 MeV
n-Sn126.jeff3.3 Threshold 2.9948 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
42
Incident Energy (eV)
50-Sn-126

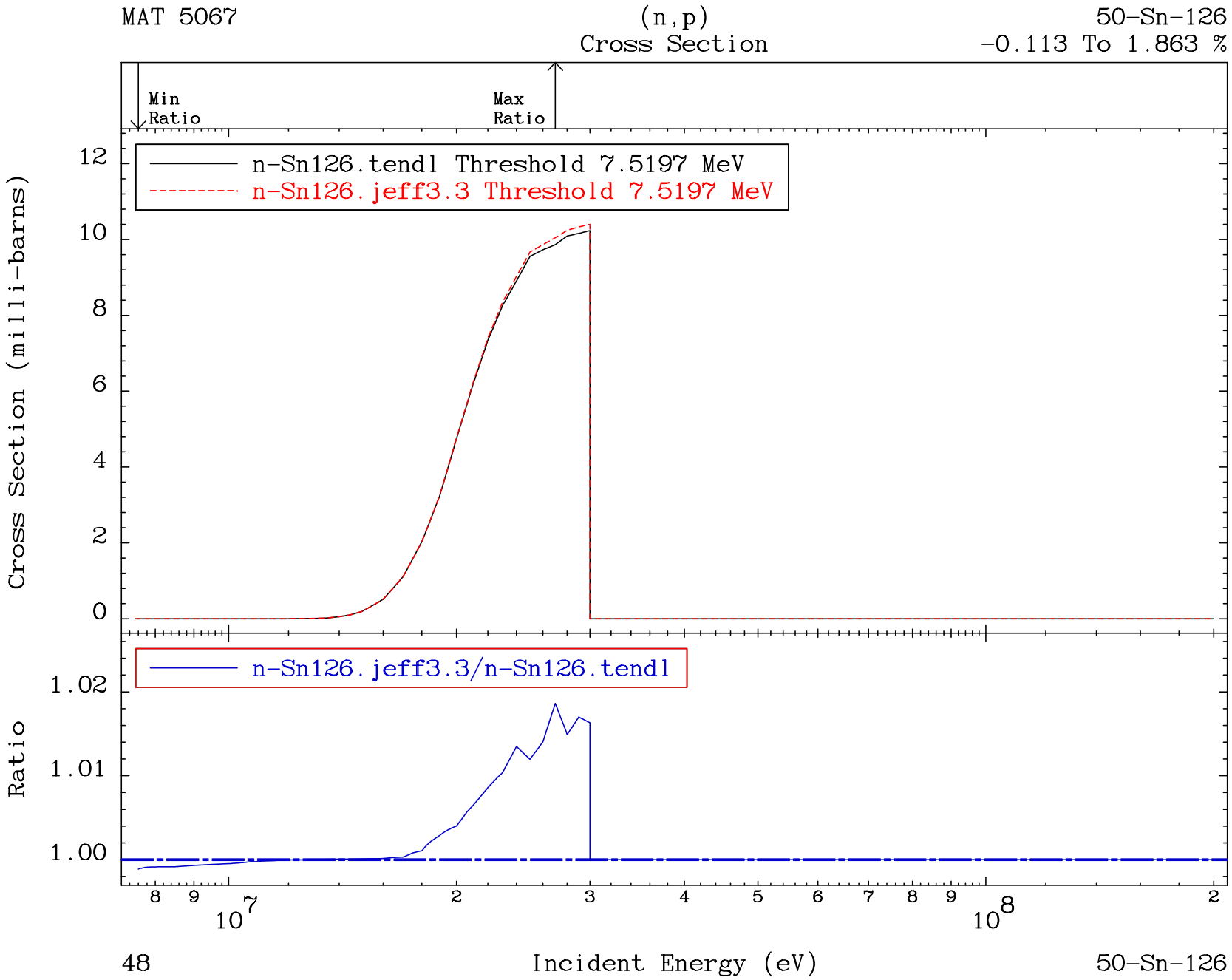

MAT 5067
MT= 78 (n,n') Level
Cross Section
50-Sn-126
-0.122 To 0.035 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 3.0919 MeV
n-Sn126.jeff3.3 Threshold 3.0919 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
50-Sn-126

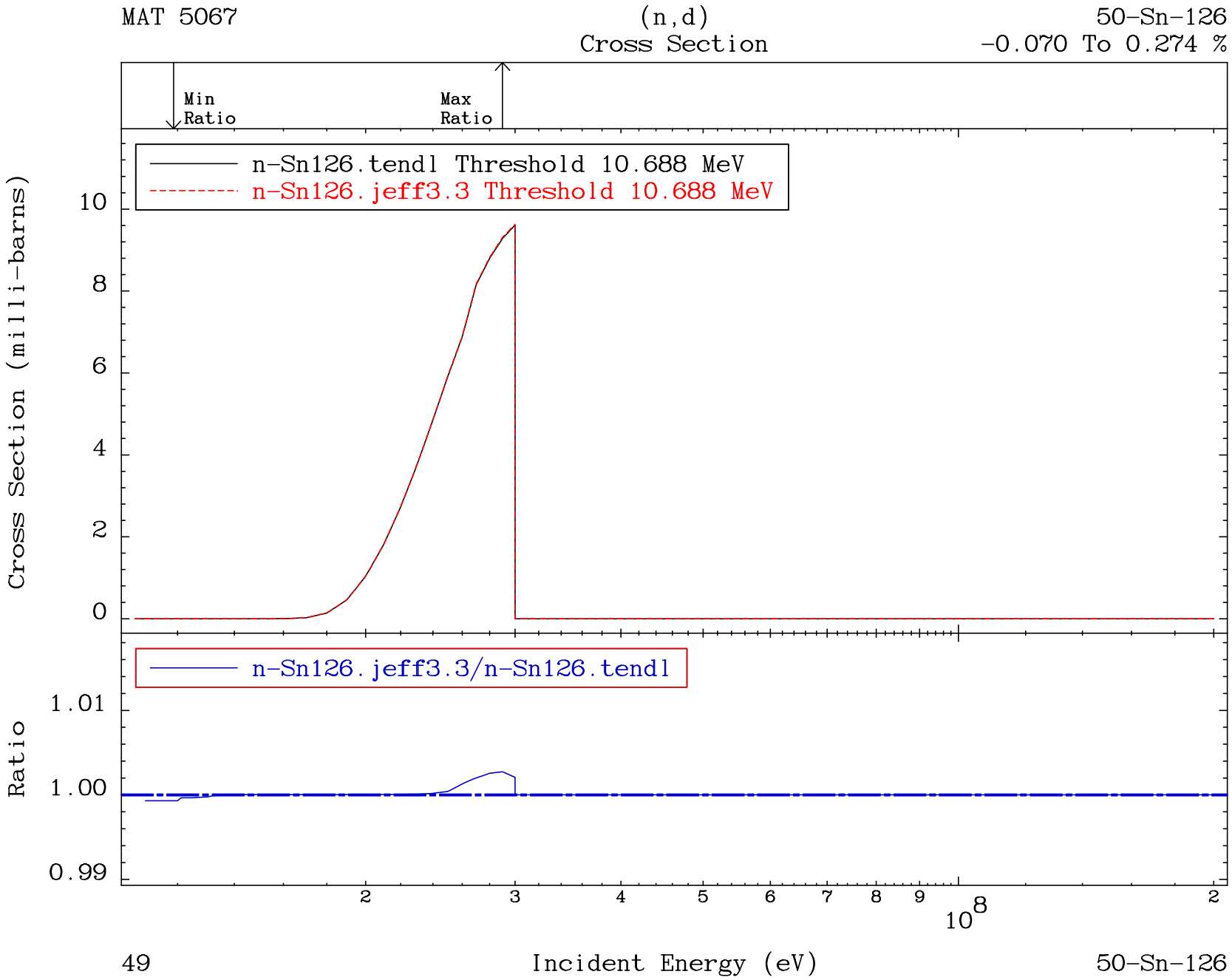

MAT 5067
MT= 79 (n,n') Level
Cross Section
50-Sn-126
-0.132 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 3.2726 MeV
n-Sn126.jeff3.3 Threshold 3.2726 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
50-Sn-126

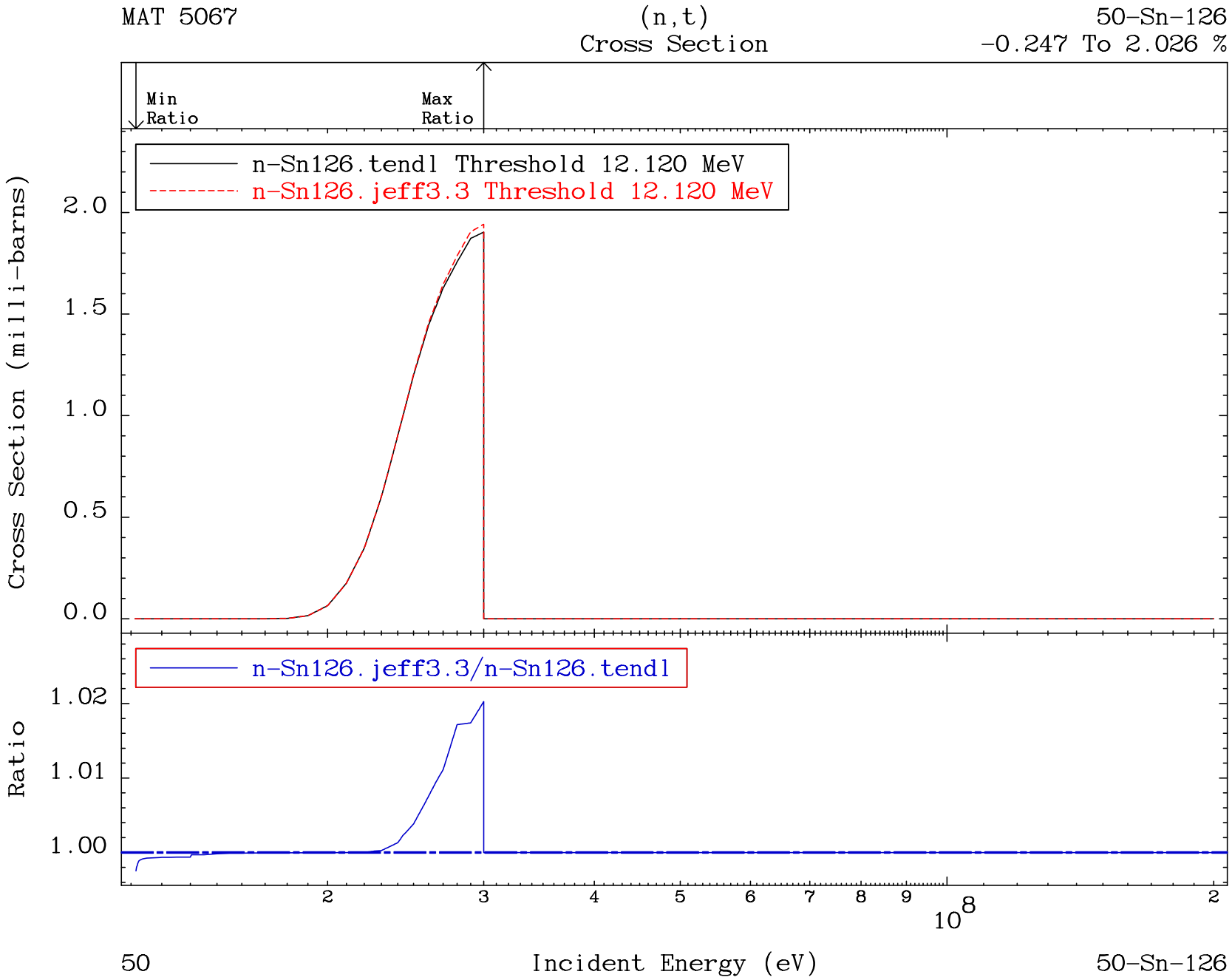

MAT 5067
MT= 80 (n,n') Level
Cross Section
50-Sn-126
-0.160 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 3.3101 MeV
n-Sn126.jeff3.3 Threshold 3.3101 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
50-Sn-126

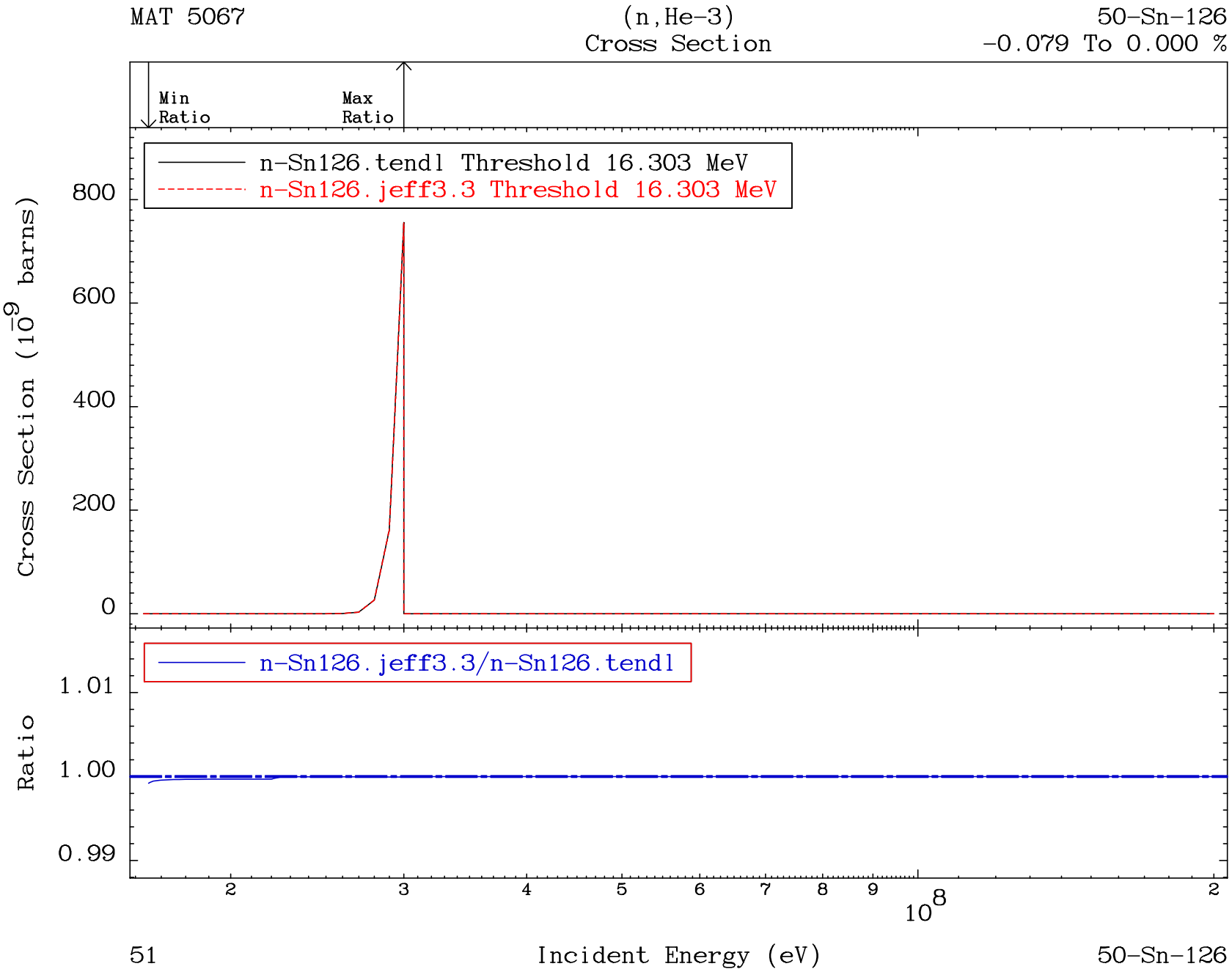

MAT 5067
(n,n') Continuum
Cross Section
50-Sn-126
-0.025 To 3.763 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 3.3101 MeV
n-Sn126.jeff3.3 Threshold 3.3101 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
50-Sn-126

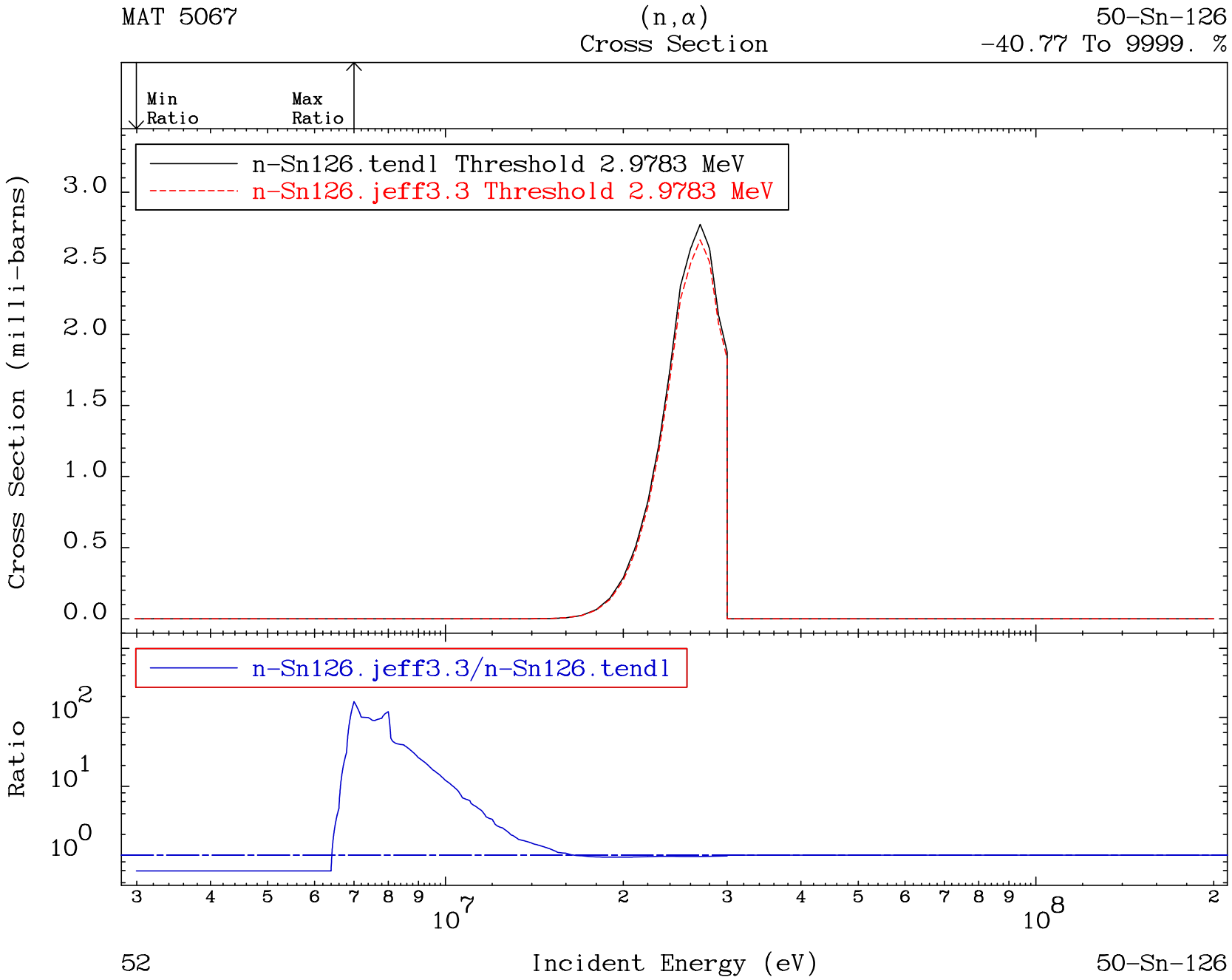

MAT 5067
(n,γ)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
47
50-Sn-126

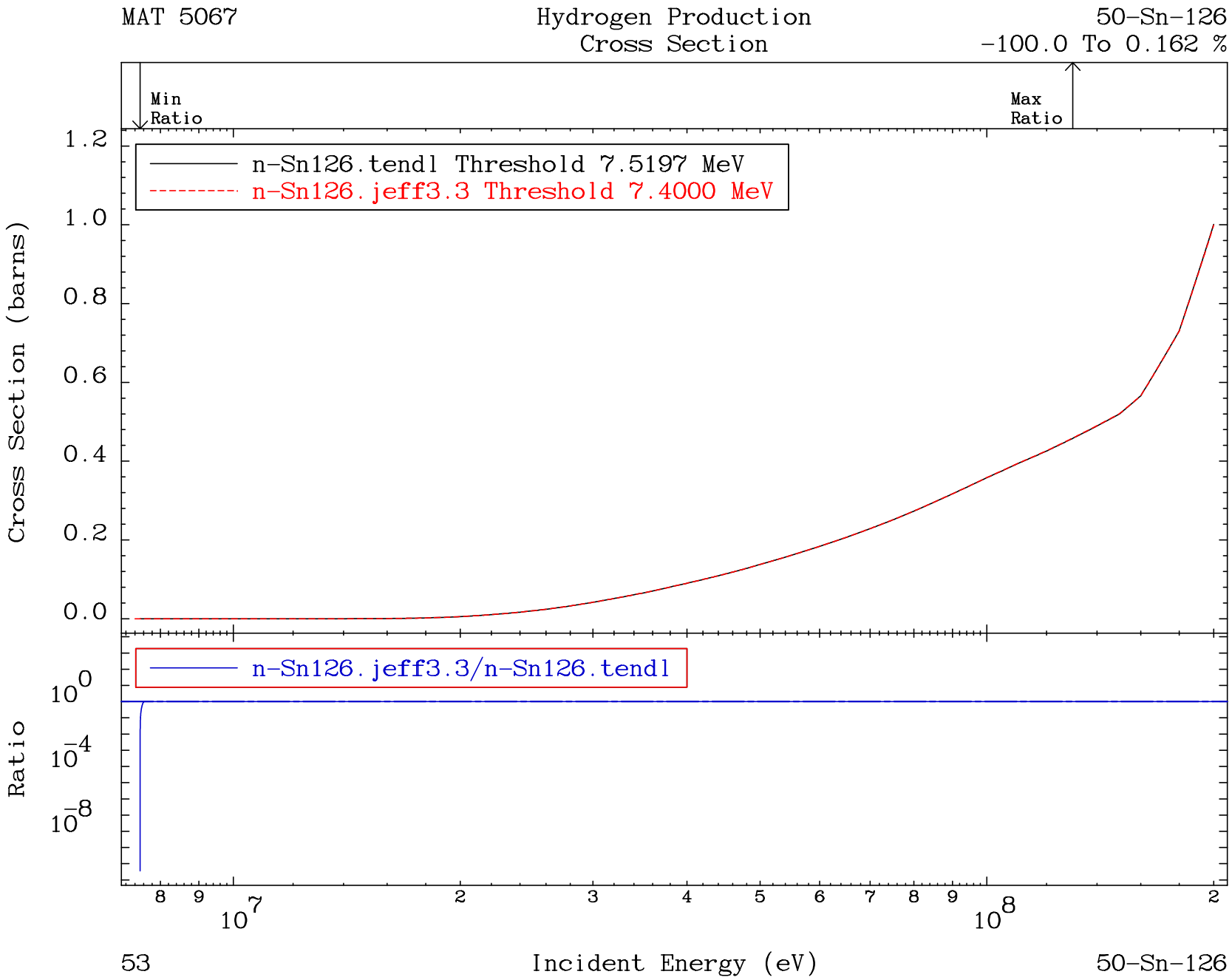

MAT 5067
(n,p)
Cross Section
50-Sn-126
-0.113 To 1.863 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 7.5197 MeV
n-Sn126.jeff3.3 Threshold 7.5197 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
1.01
1.02
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
50-Sn-126

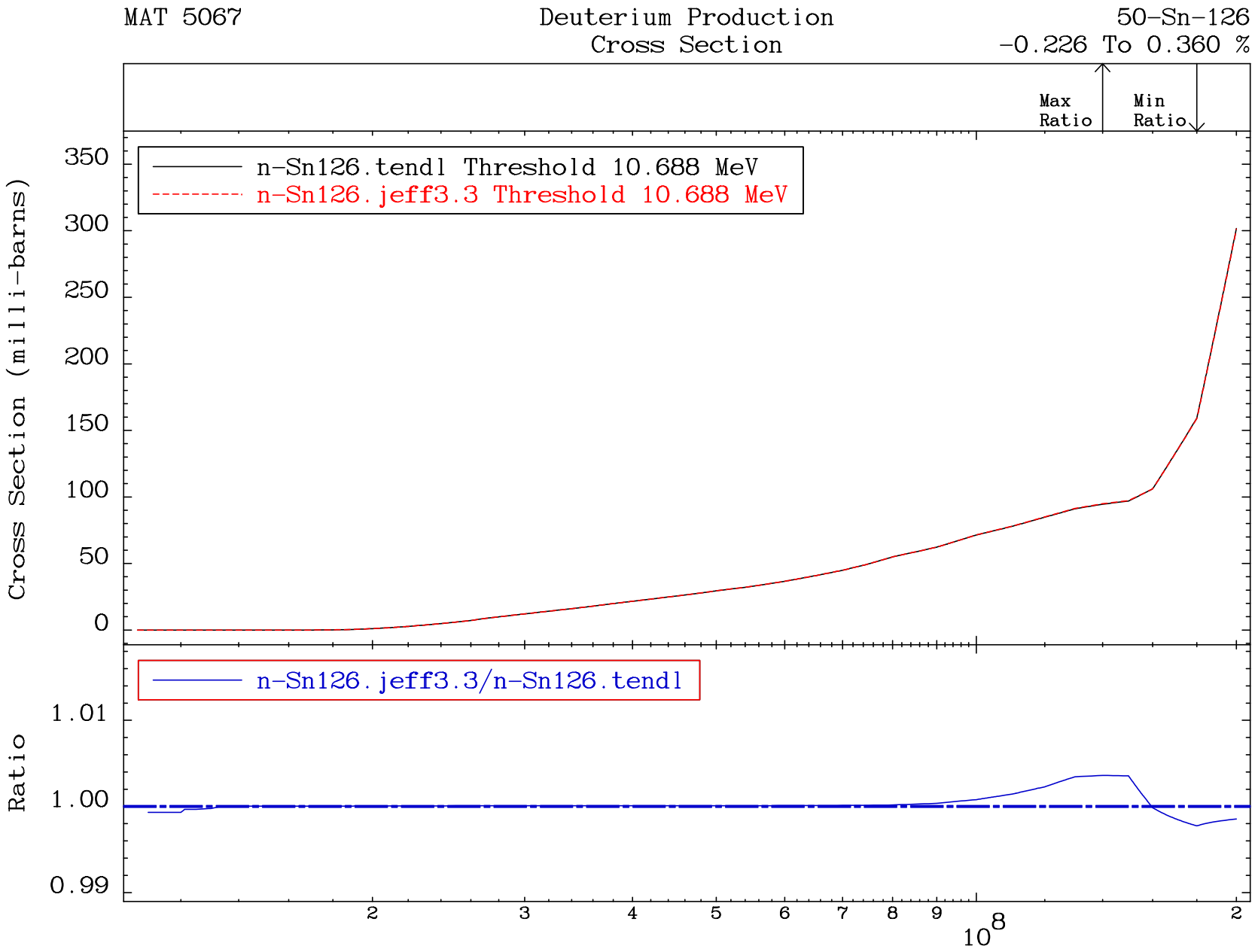

MAT 5067
(n,d)
Cross Section
50-Sn-126
-0.070 To 0.274 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 10.688 MeV
n-Sn126.jeff3.3 Threshold 10.688 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
50-Sn-126

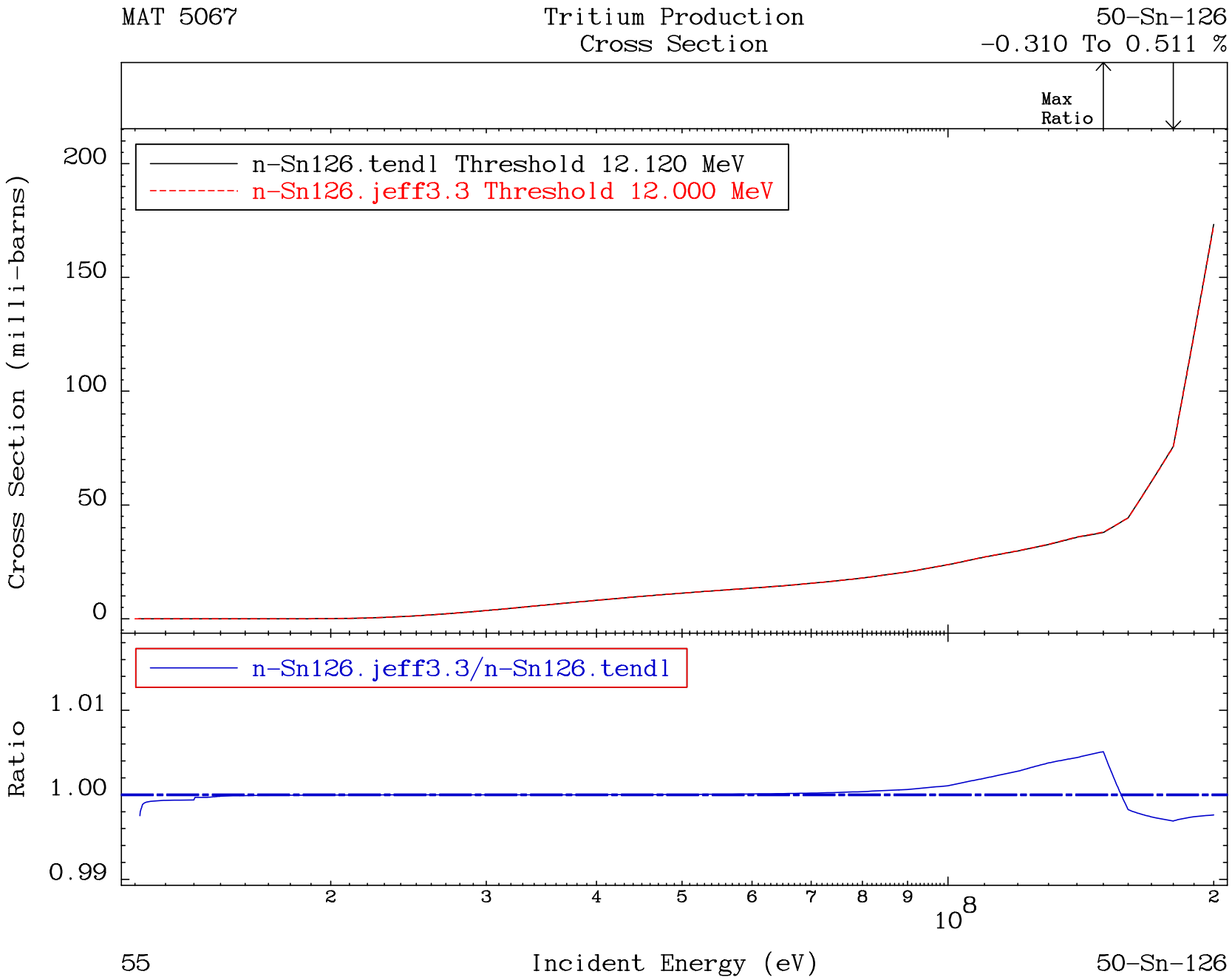

MAT 5067
(n,t)
Cross Section
50-Sn-126
-0.247 To 2.026 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 12.120 MeV
n-Sn126.jeff3.3 Threshold 12.120 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
2
10^8
50
Incident Energy (eV)
50-Sn-126

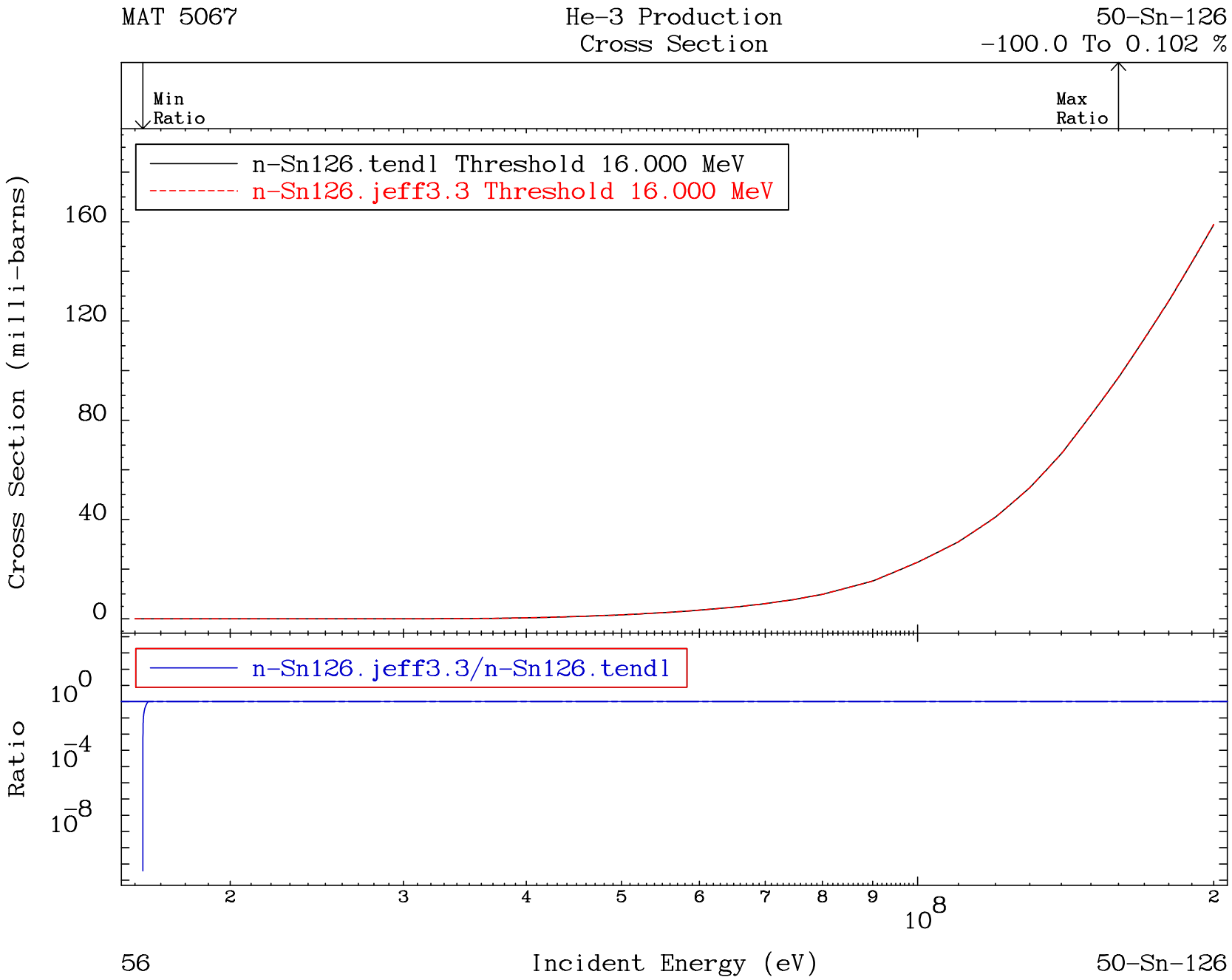

MAT 5067
(n,He-3)
Cross Section
50-Sn-126
-0.079 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 16.303 MeV
n-Sn126.jeff3.3 Threshold 16.303 MeV
Cross Section (10^{-9} barns)
800
600
400
200
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^{8}
2
51
Incident Energy (eV)
50-Sn-126

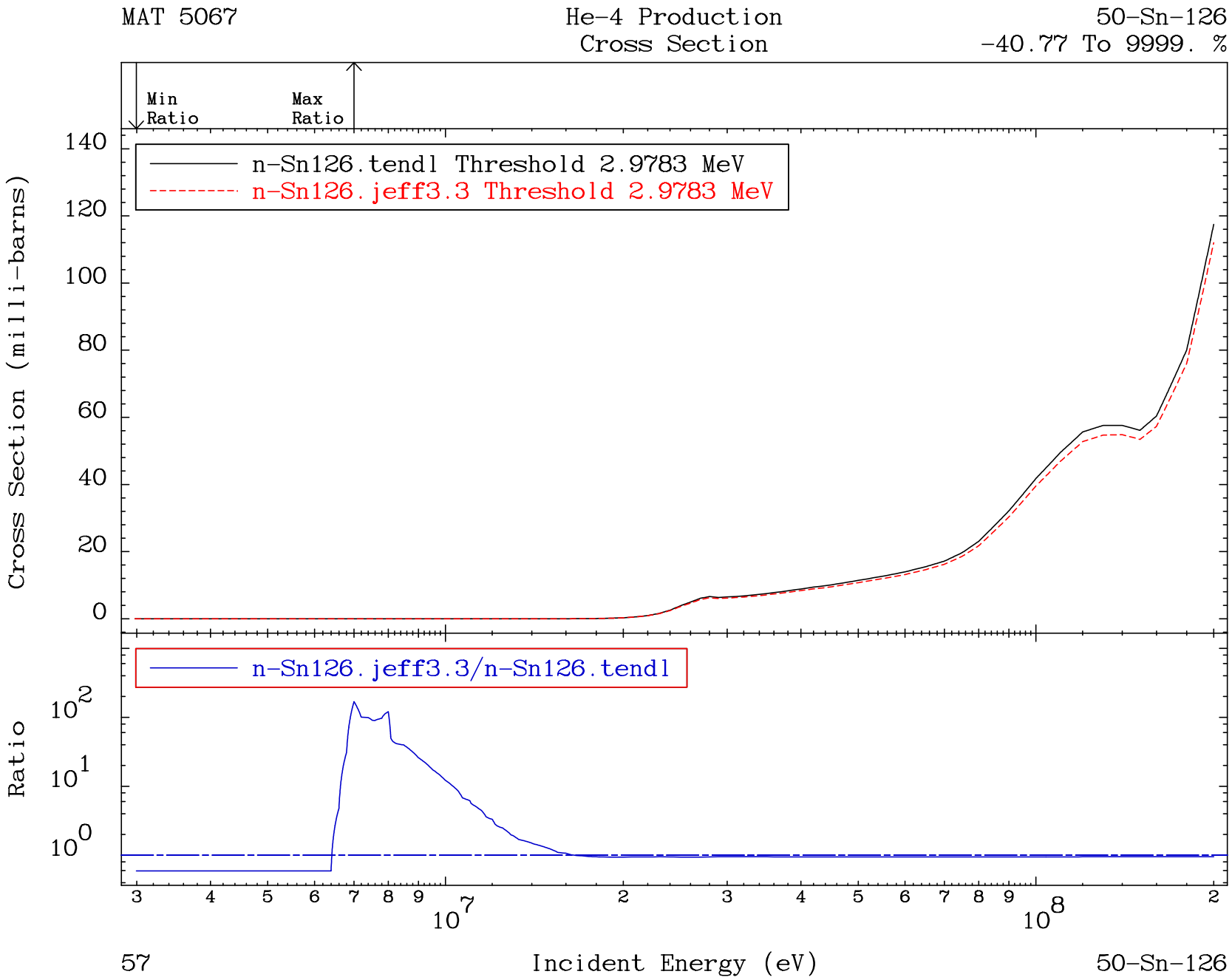

MAT 5067
(n,α)
Cross Section
50-Sn-126
-40.77 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.9783 MeV
n-Sn126.jeff3.3 Threshold 2.9783 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
50-Sn-126

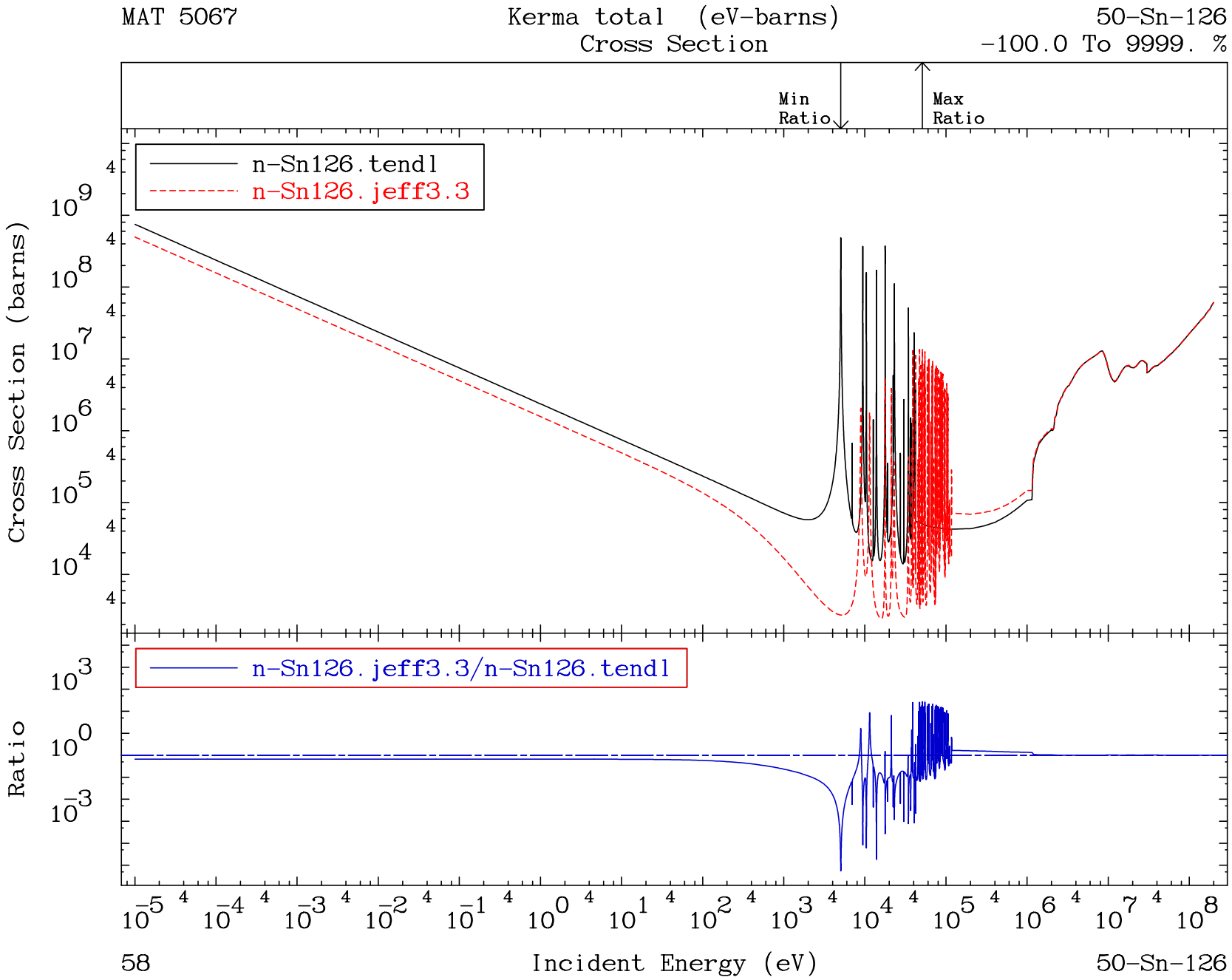

MAT 5067
Hydrogen Production
Cross Section
50-Sn-126
-100.0 To 0.162 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 7.5197 MeV
n-Sn126.jeff3.3 Threshold 7.4000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^0
10^-4
10^-8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
50-Sn-126

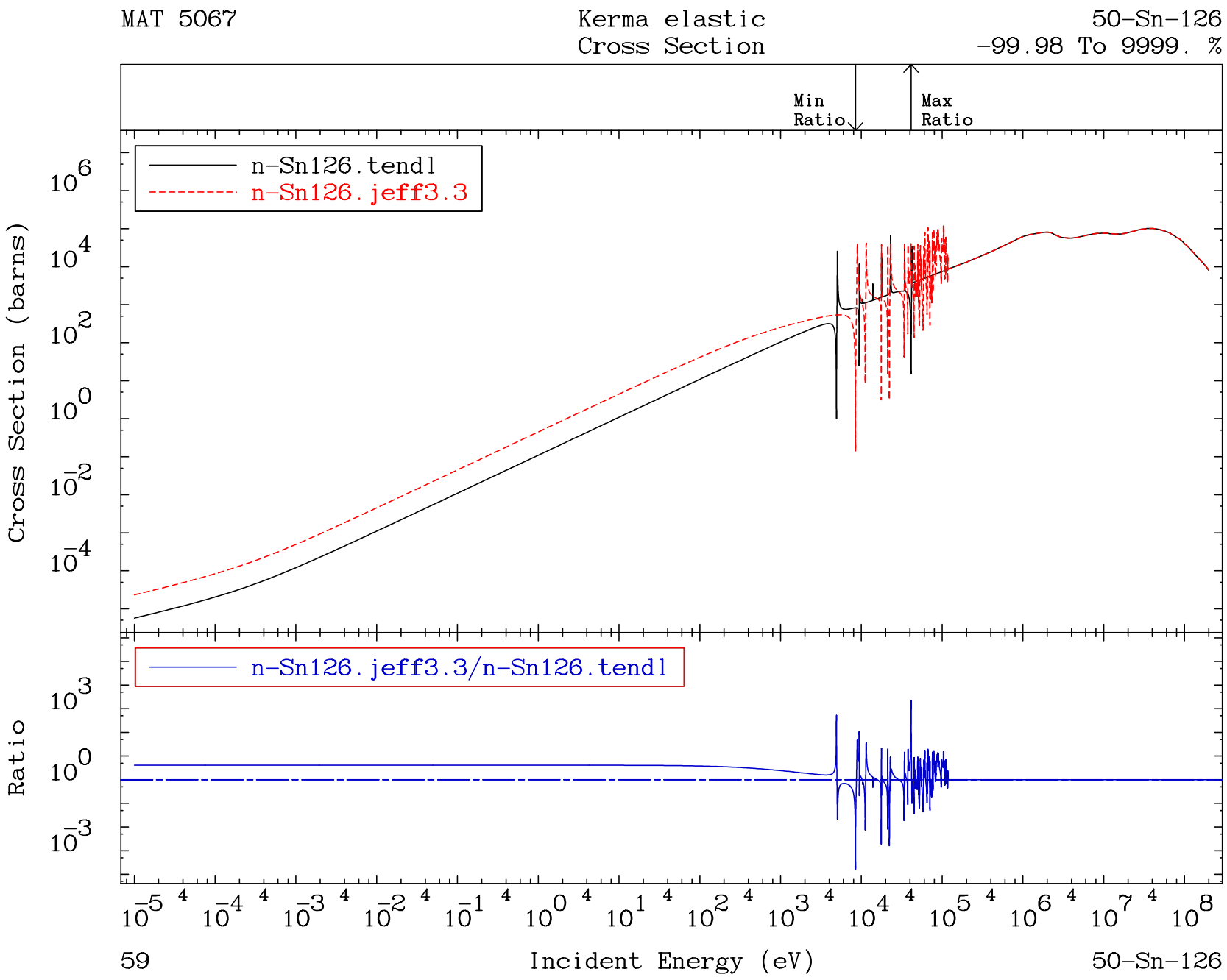

MAT 5067
Deuterium Production
Cross Section
50-Sn-126
-0.226 To 0.360 %
Max Ratio
Min Ratio
n-Sn126.tendl Threshold 10.688 MeV
n-Sn126.jeff3.3 Threshold 10.688 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
50-Sn-126

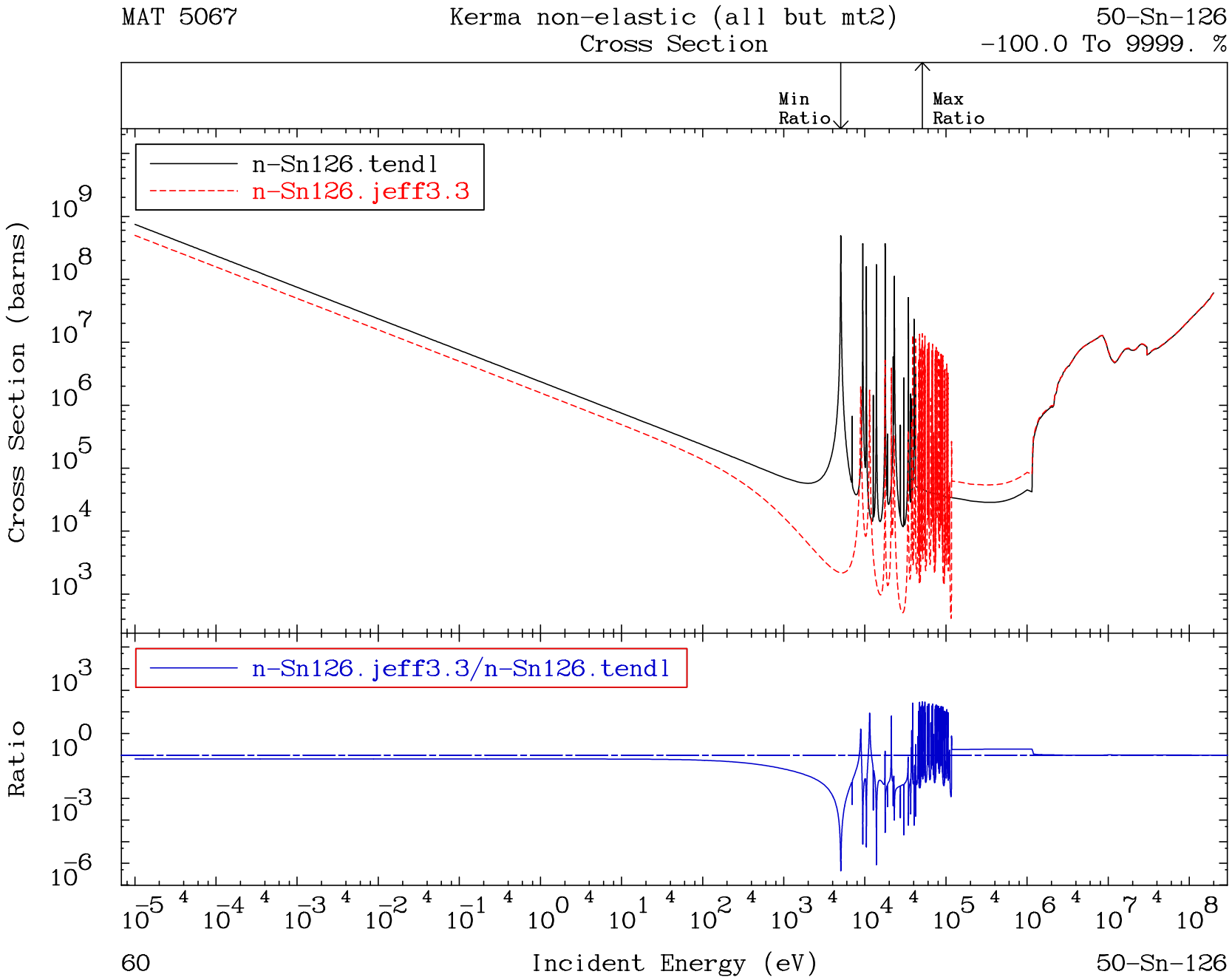

MAT 5067
Tritium Production
Cross Section
50-Sn-126
-0.310 To 0.511 %
Max
Ratio
n-Sn126.tendl Threshold 12.120 MeV
n-Sn126.jeff3.3 Threshold 12.000 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
50-Sn-126

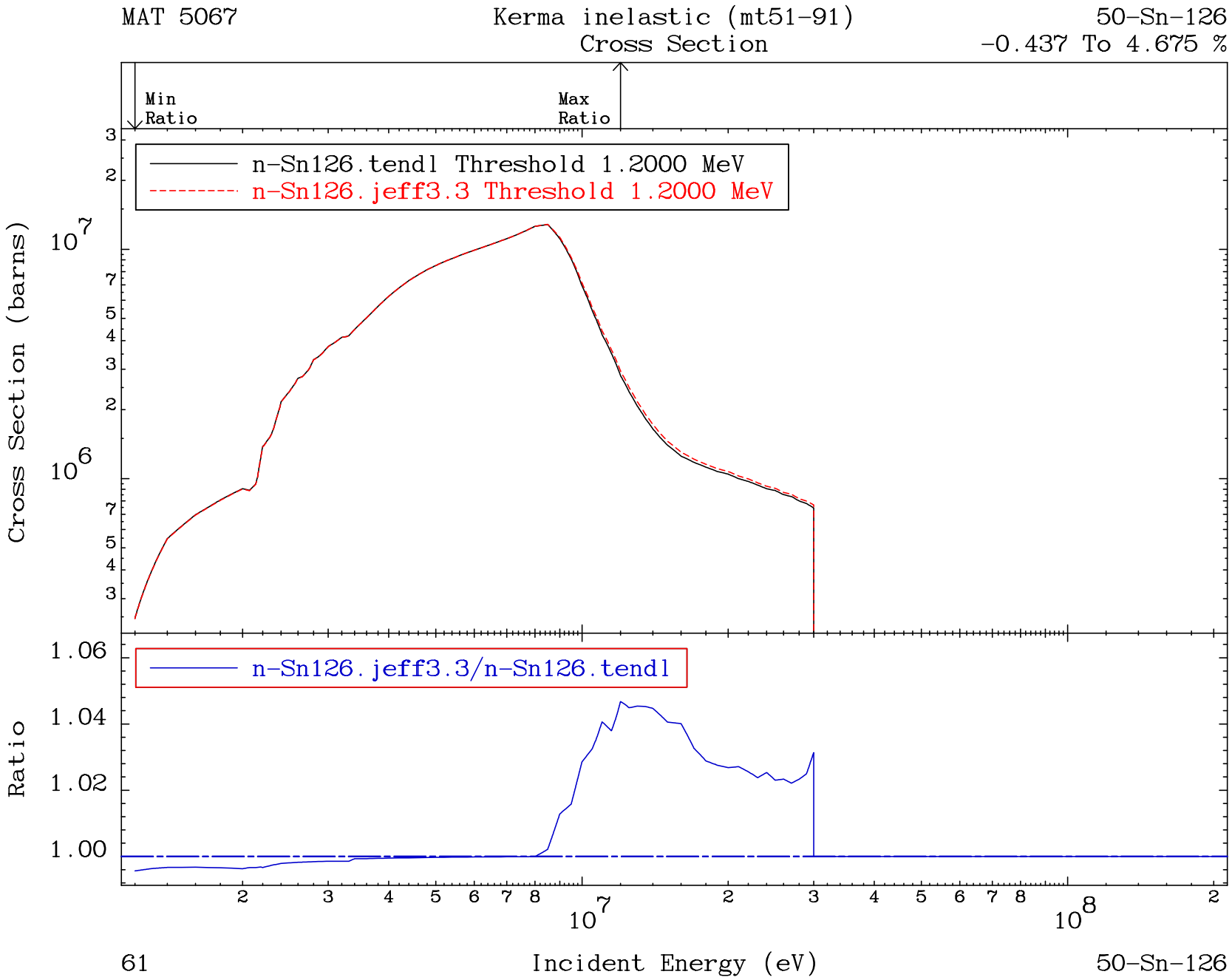

MAT 5067
He-3 Production
Cross Section
50-Sn-126
-100.0 To 0.102 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 16.000 MeV
n-Sn126.jeff3.3 Threshold 16.000 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^0
10^-4
10^-8
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
50-Sn-126

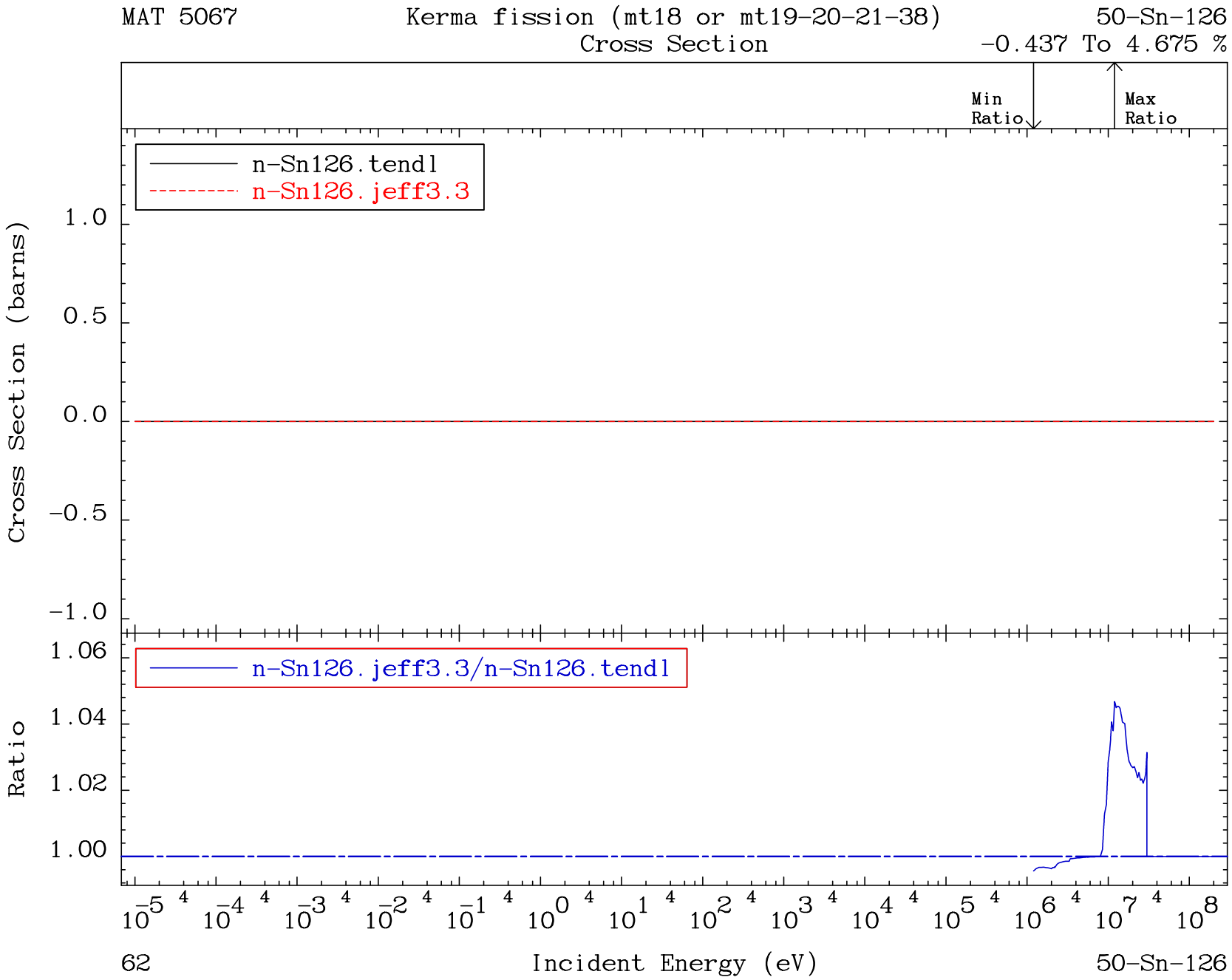

MAT 5067
He-4 Production
Cross Section
50-Sn-126
-40.77 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.9783 MeV
n-Sn126.jeff3.3 Threshold 2.9783 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
57
Incident Energy (eV)
50-Sn-126

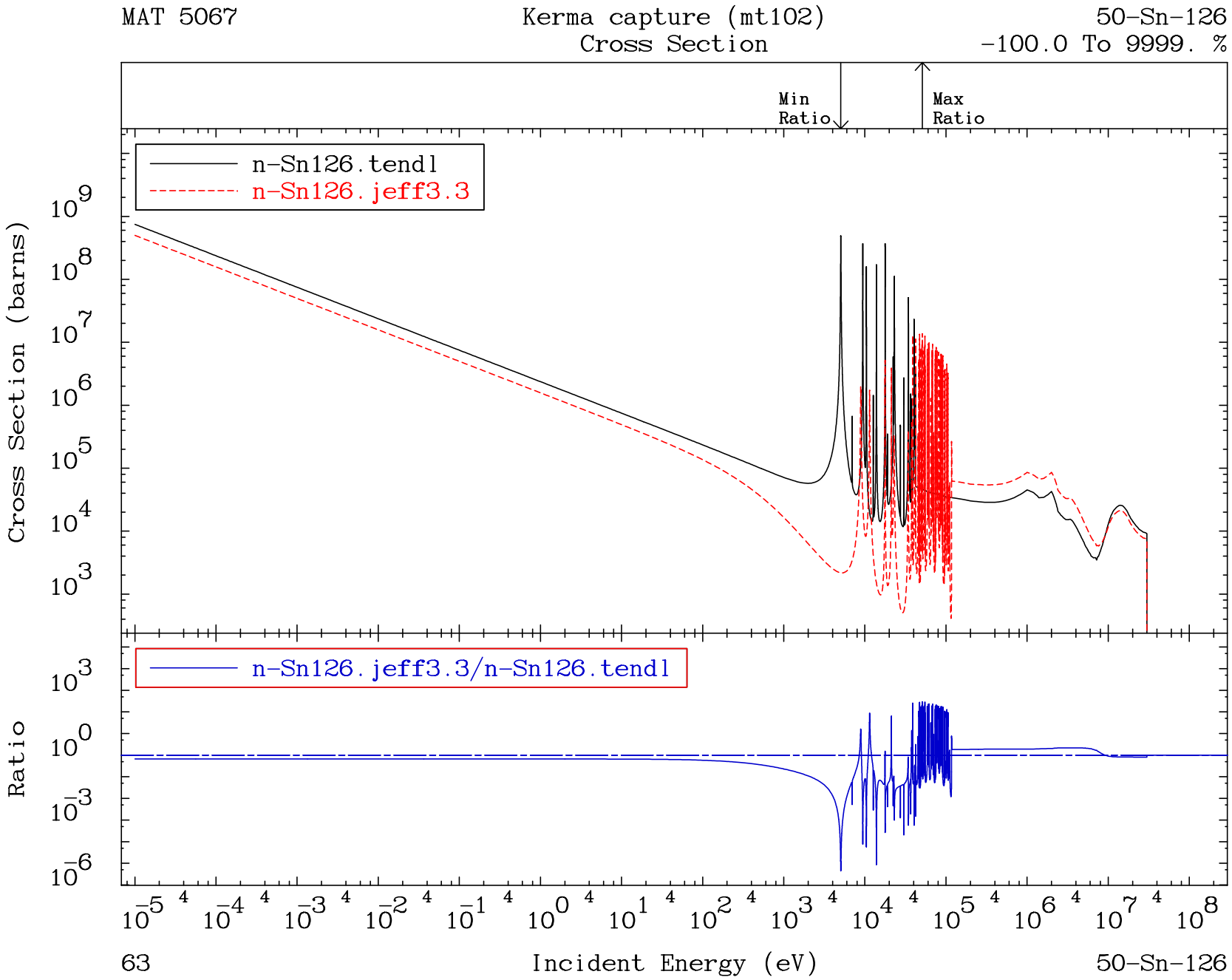

MAT 5067
Kerma total (eV-barns)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
58
50-Sn-126

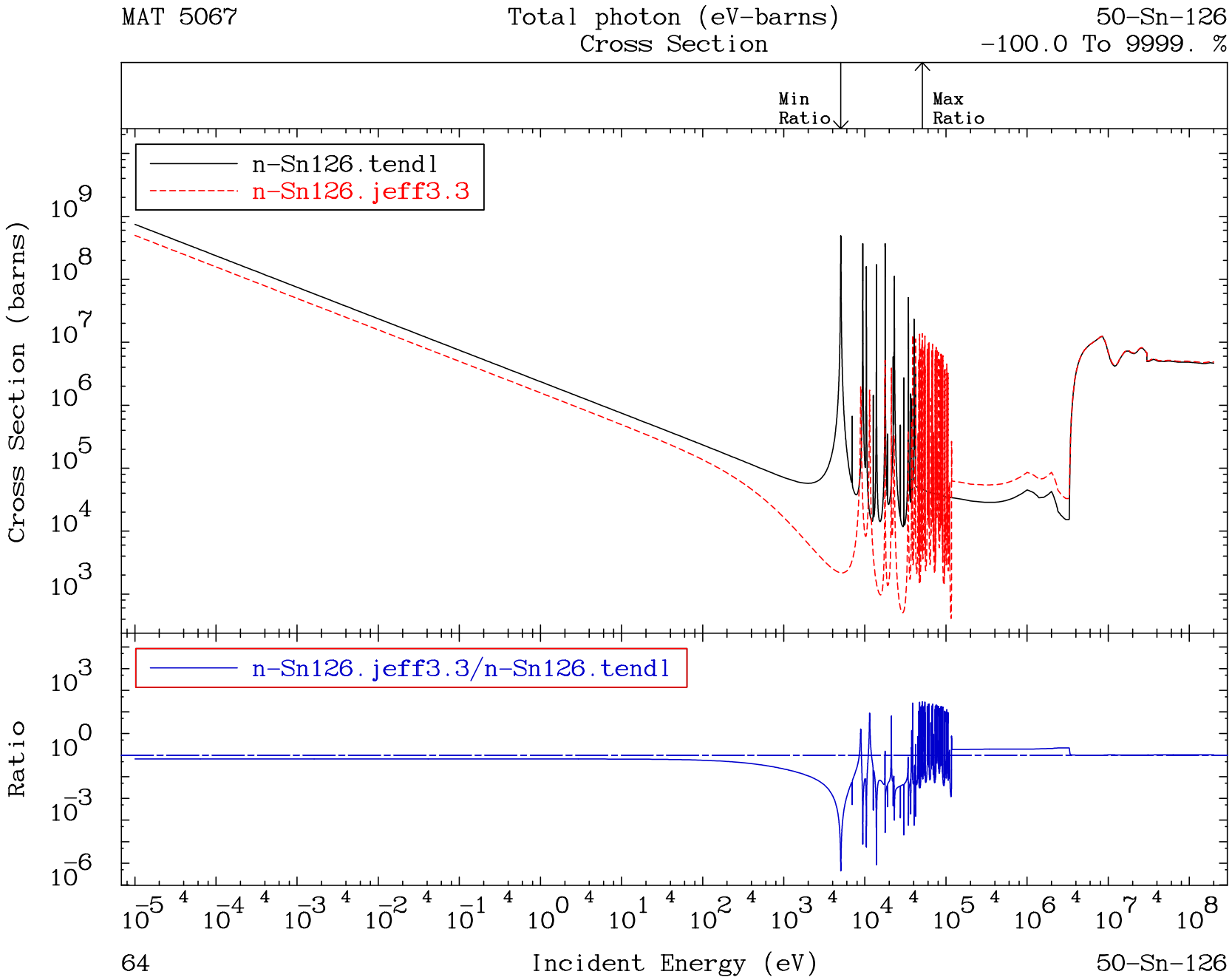

MAT 5067
Kerma elastic
Cross Section
50-Sn-126
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
59
50-Sn-126

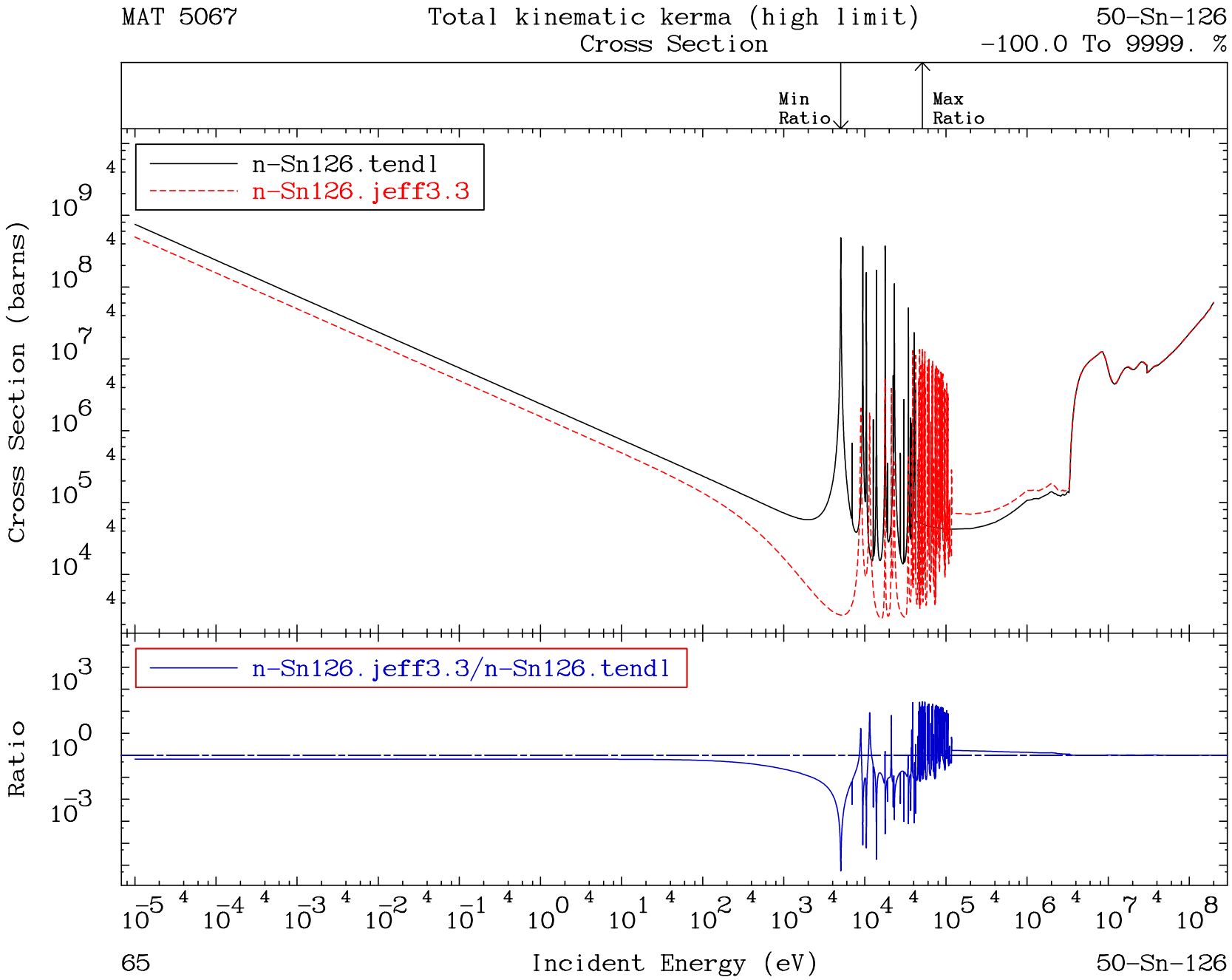

MAT 5067
Kerma non-elastic (all but mt2)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
60
50-Sn-126

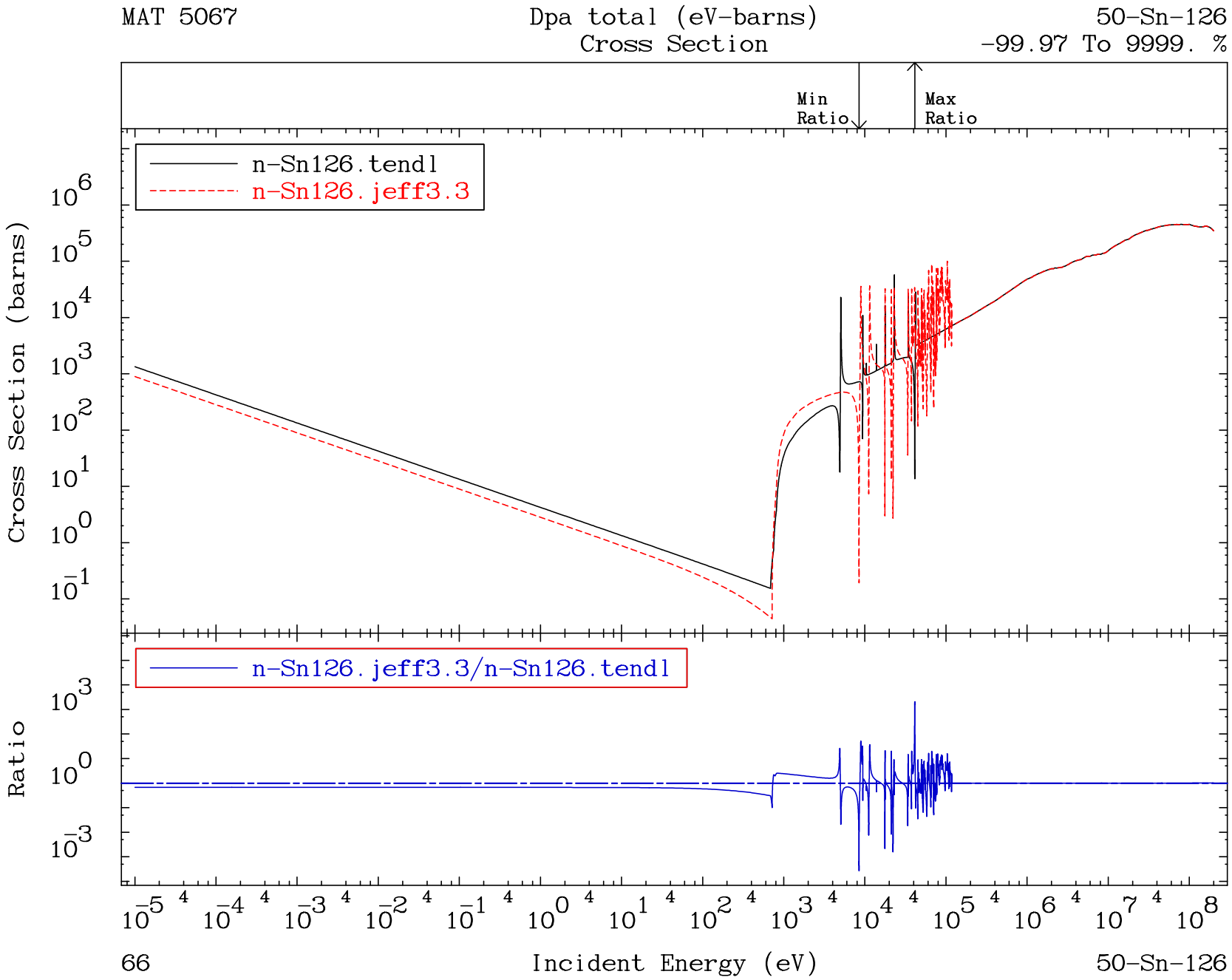

MAT 5067
Kerma inelastic (mt51-91)
Cross Section
50-Sn-126
-0.437 To 4.675 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 1.2000 MeV
n-Sn126.jeff3.3 Threshold 1.2000 MeV
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
61
50-Sn-126

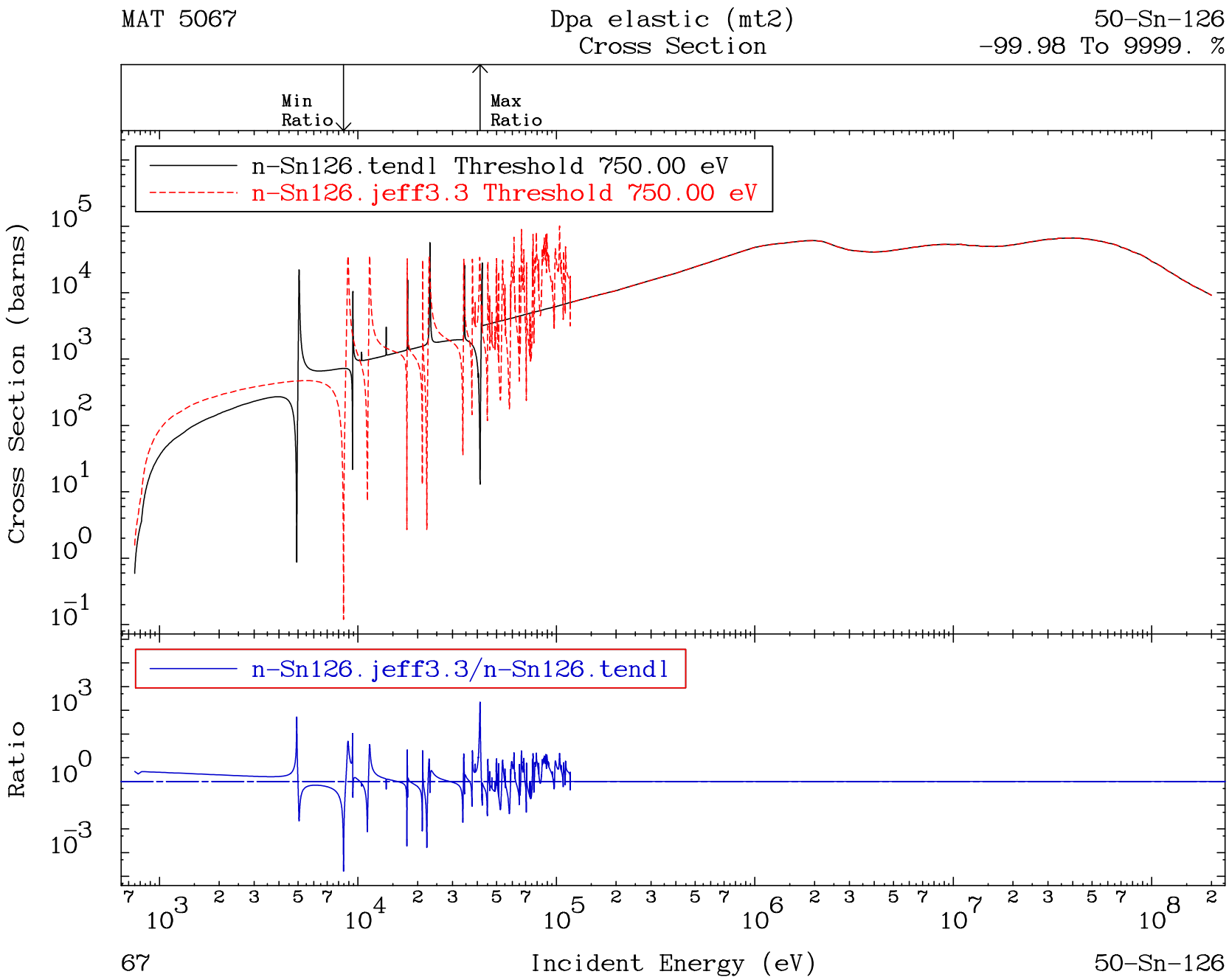

MAT 5067
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
50-Sn-126
-0.437 To 4.675 %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.06
1.04
1.02
1.00
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
62
Incident Energy (eV)
50-Sn-126

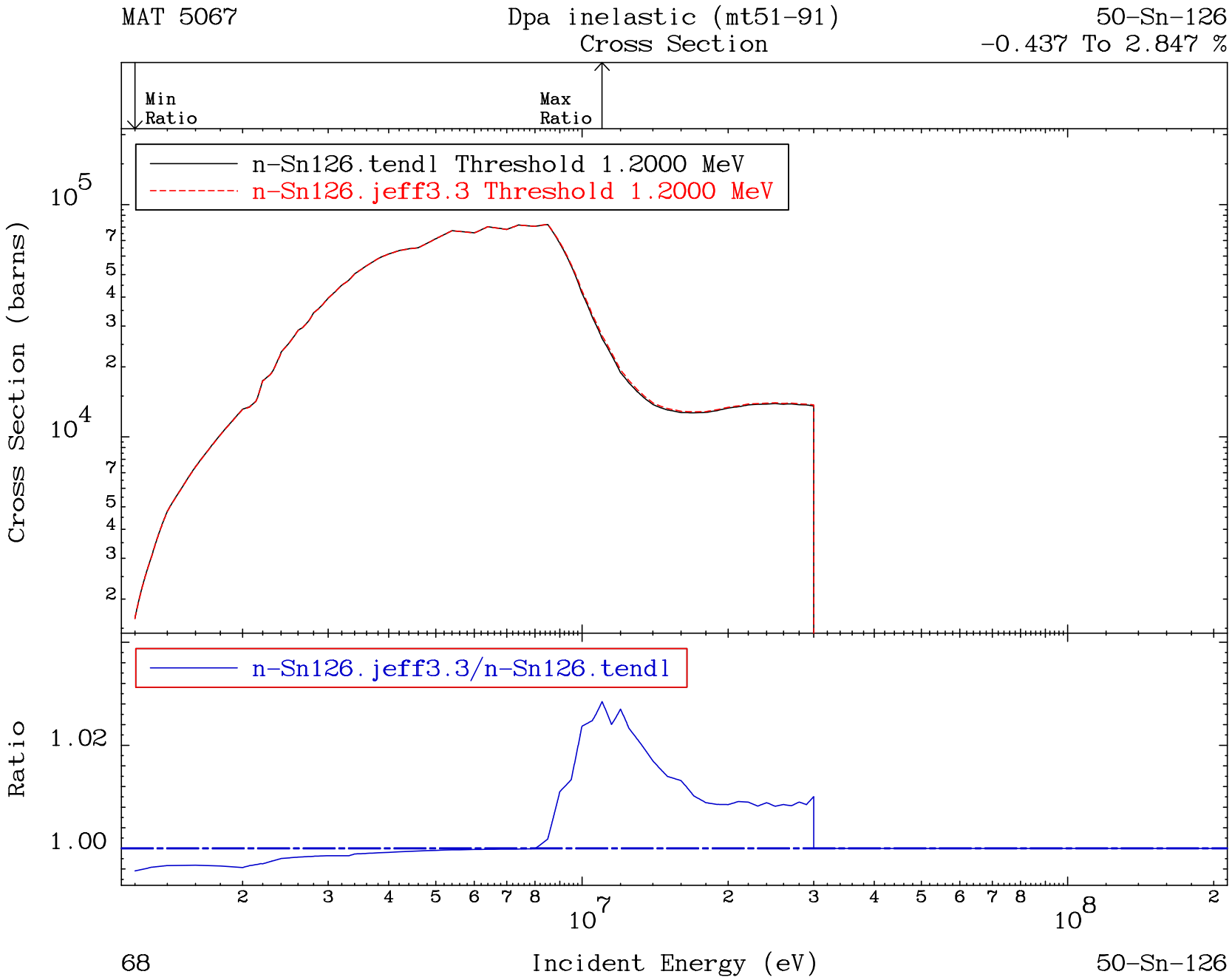

MAT 5067
Kerma capture (mt102)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
63
50-Sn-126

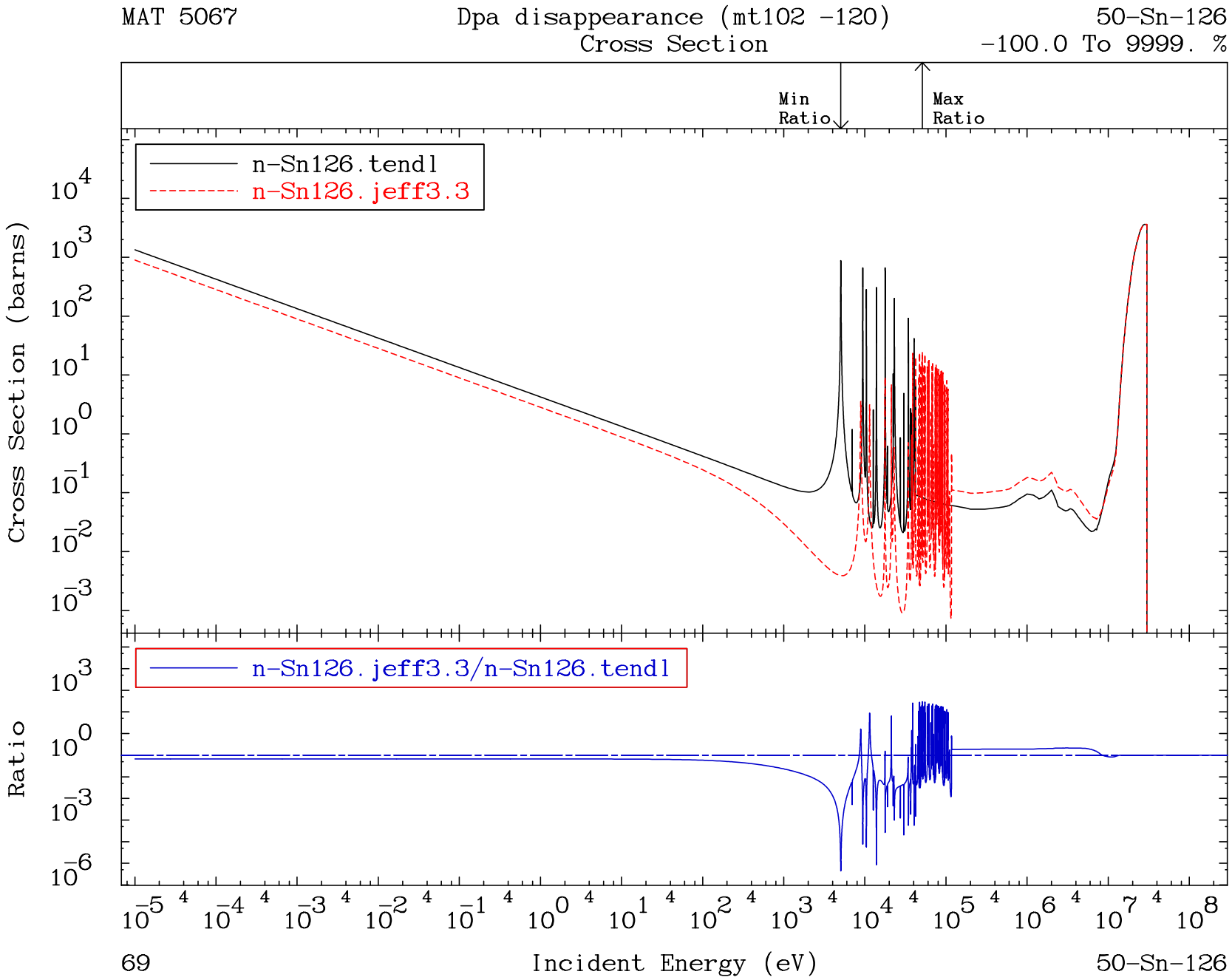

MAT 5067
Total photon (eV-barns)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
64
50-Sn-126

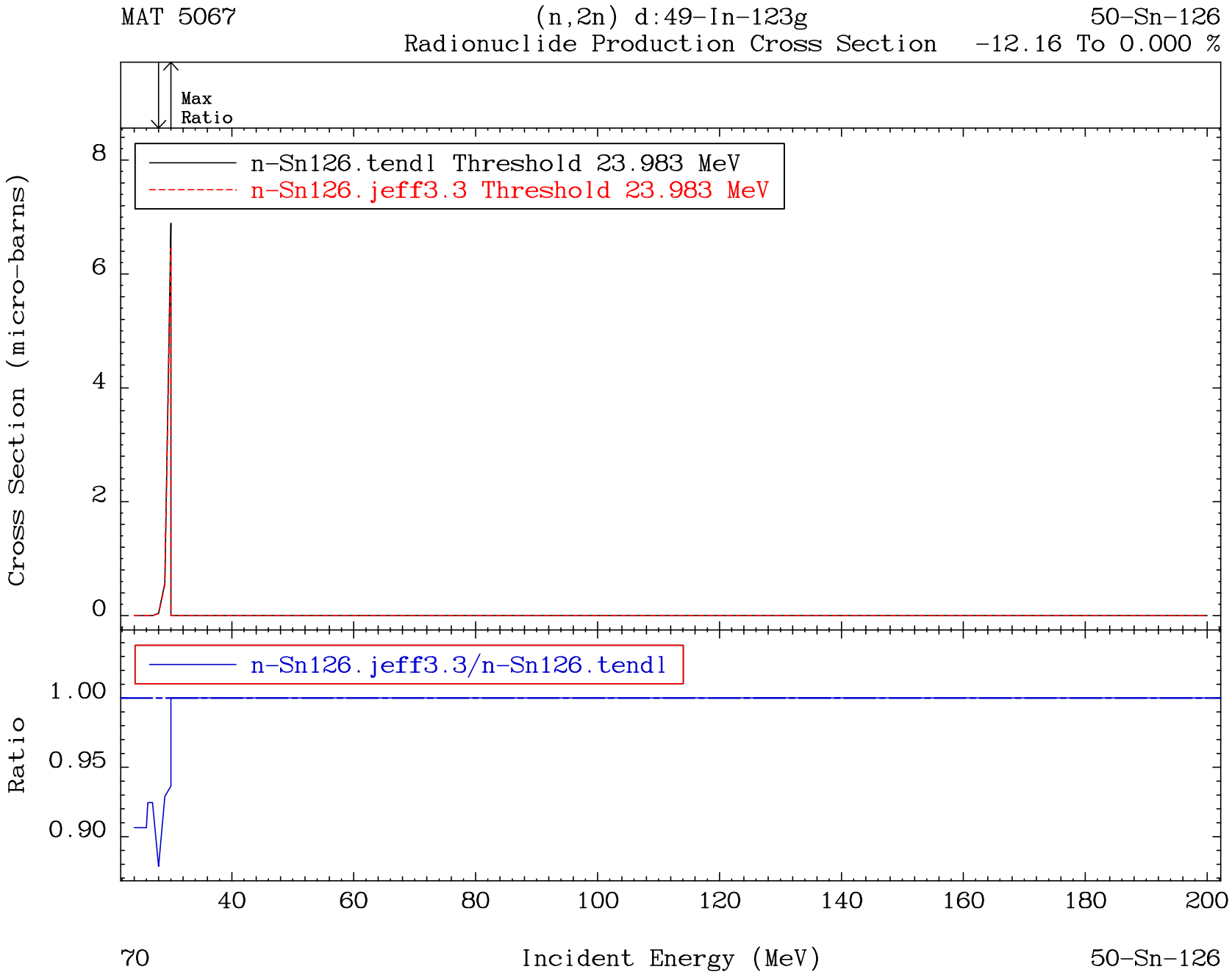

MAT 5067
Total kinematic kerma (high limit)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
65
50-Sn-126

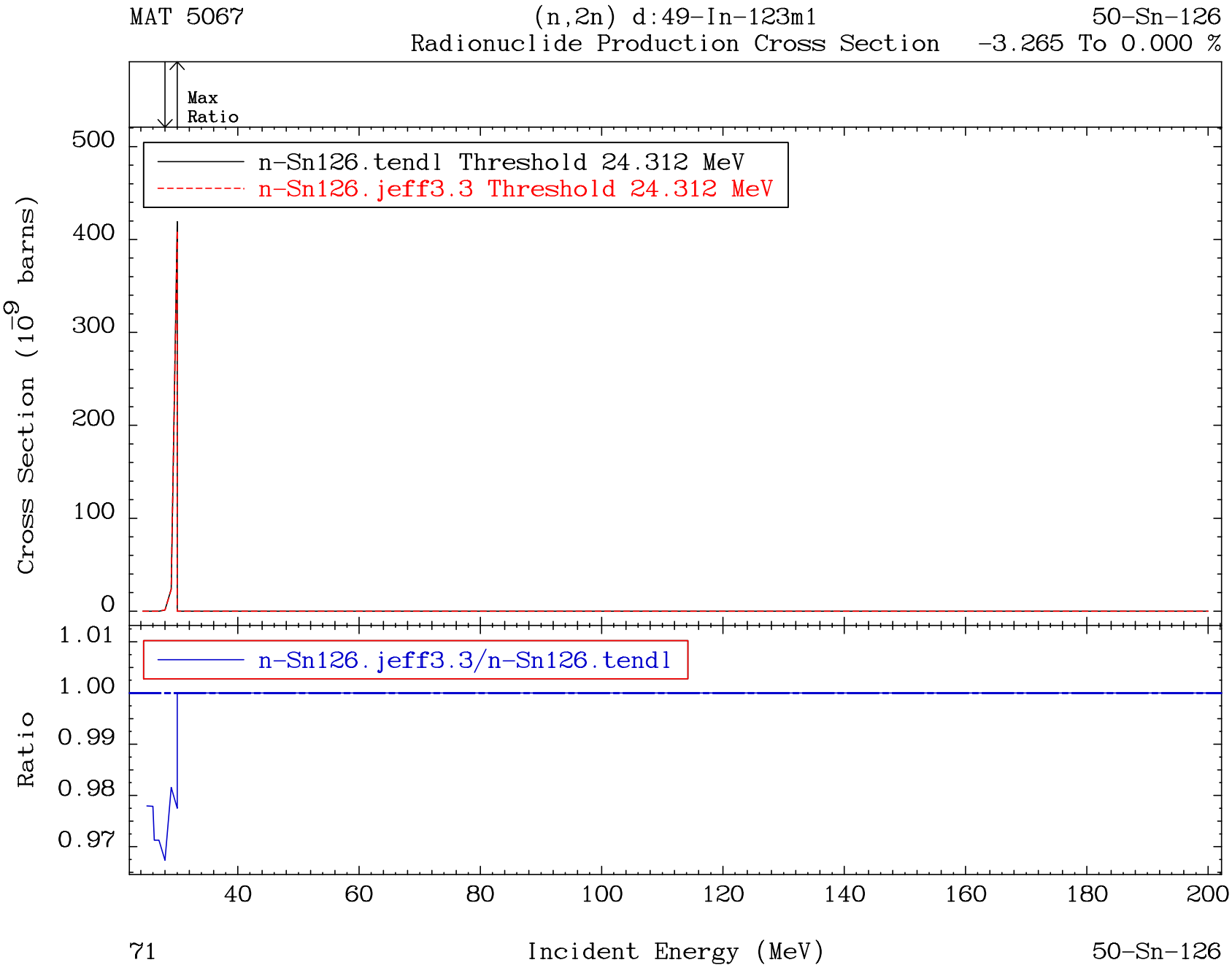

MAT 5067
Dpa total (eV-barns)
Cross Section
50-Sn-126
-99.97 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
66
Incident Energy (eV)
50-Sn-126

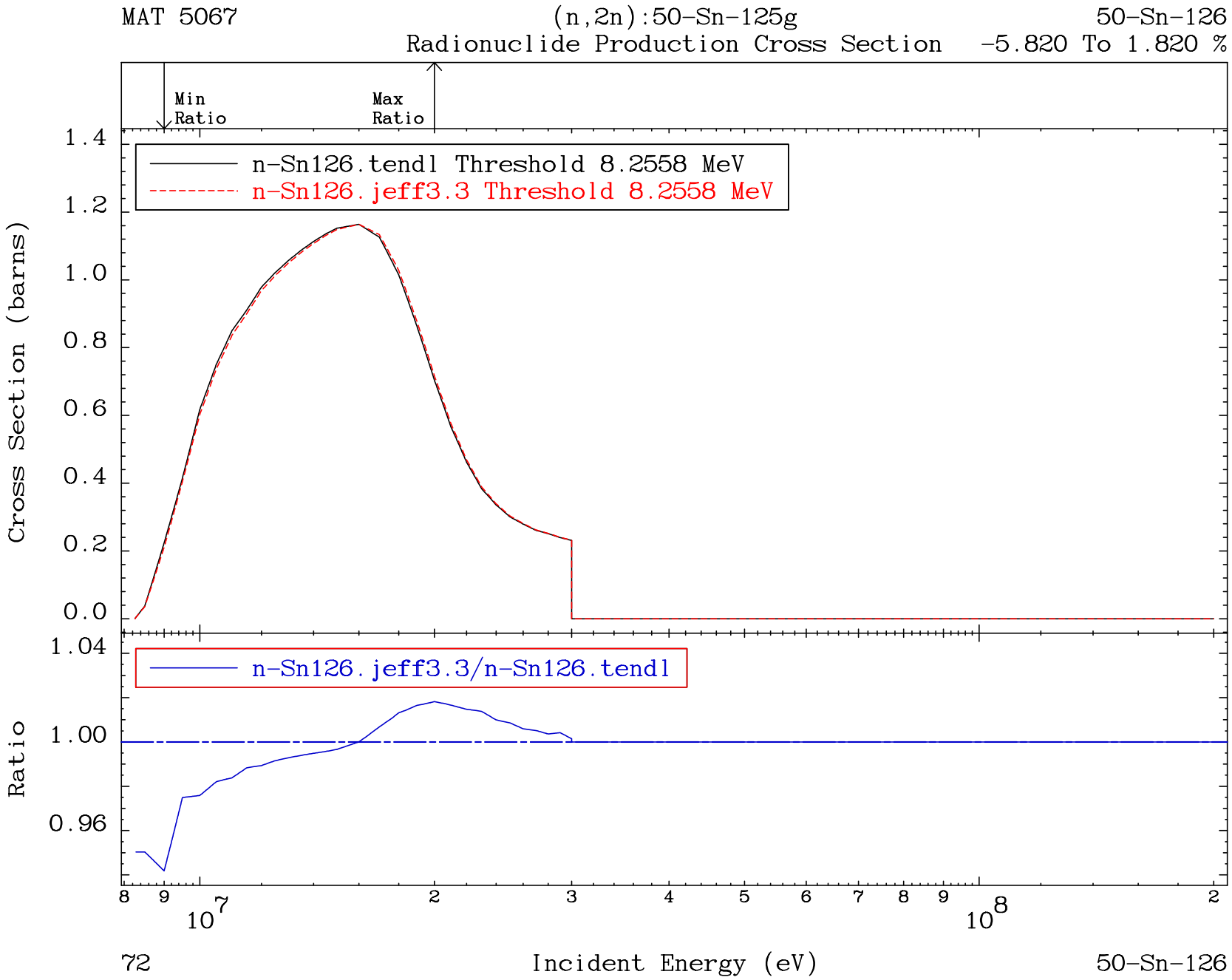

MAT 5067
Dpa elastic (mt2)
Cross Section
50-Sn-126
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 750.00 eV
n-Sn126.jeff3.3 Threshold 750.00 eV
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
67
50-Sn-126

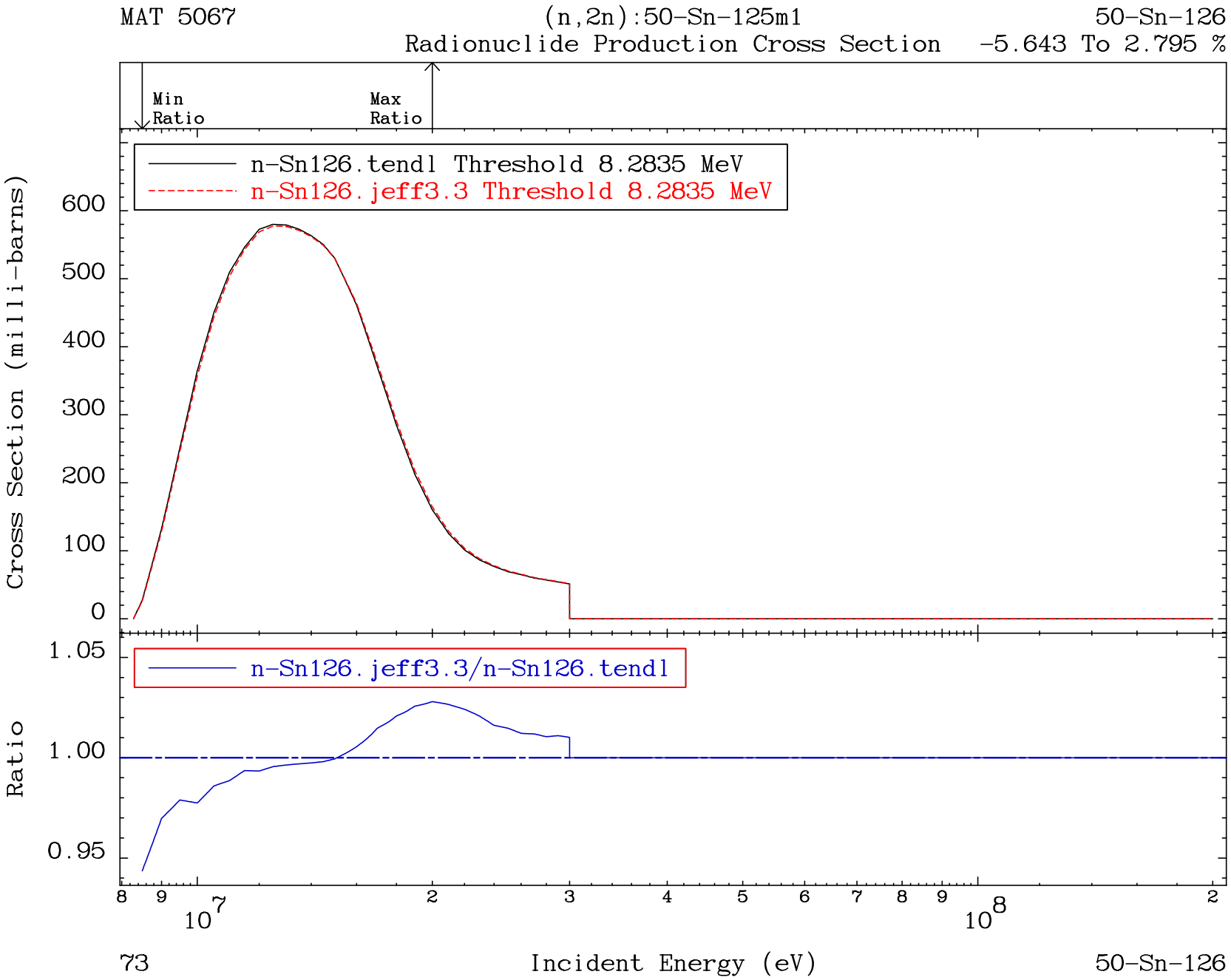

MAT 5067
Dpa inelastic (mt51-91)
Cross Section
50-Sn-126
-0.437 To 2.847 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 1.2000 MeV
n-Sn126.jeff3.3 Threshold 1.2000 MeV
Cross Section (barns)
10^5
10^4
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.02
1.00
10^7
10^8
68
Incident Energy (eV)
50-Sn-126

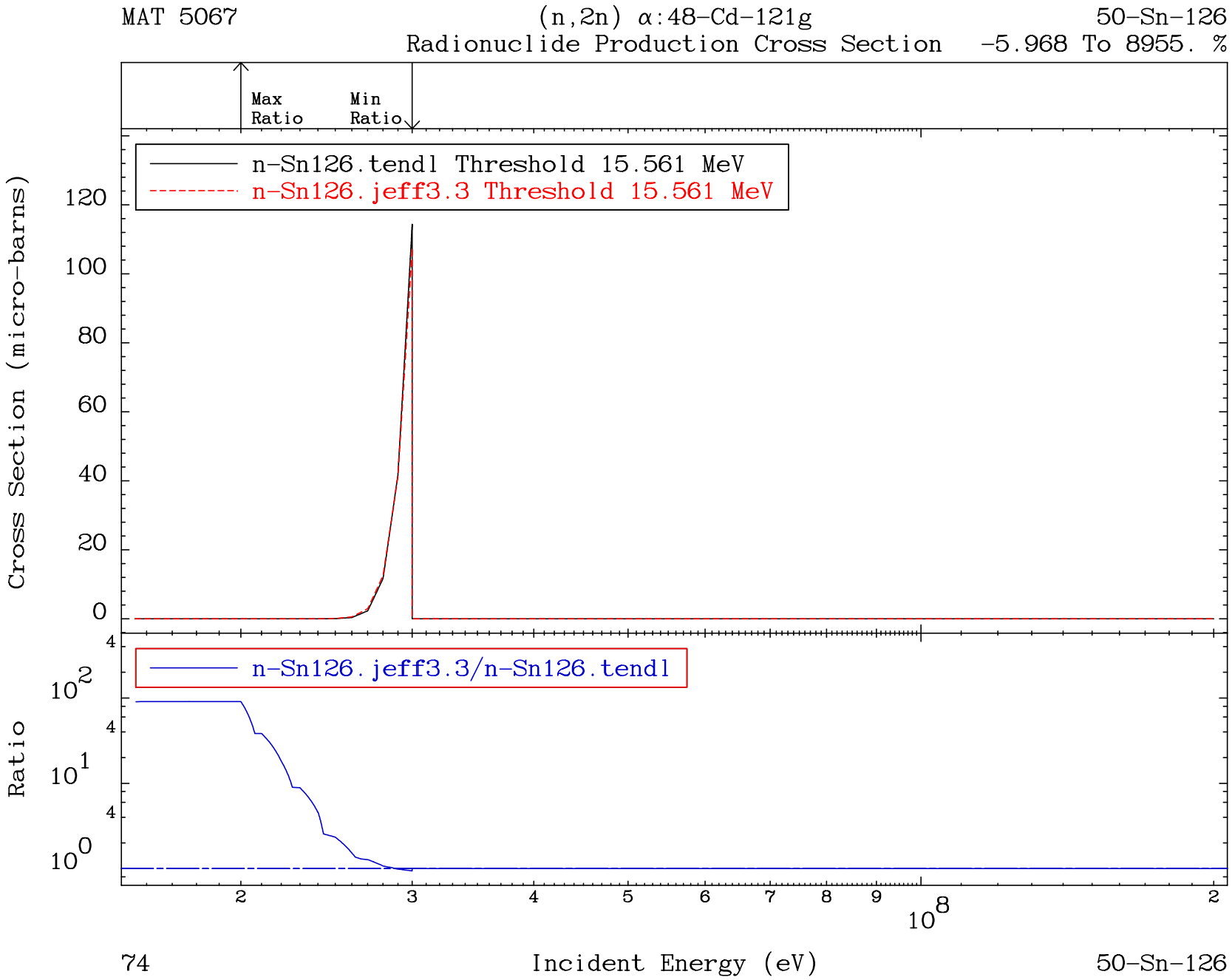

MAT 5067
Dpa disappearance (mt102 -120)
Cross Section
50-Sn-126
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl
n-Sn126.jeff3.3
Cross Section (barns)
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
Incident Energy (eV)
69
50-Sn-126

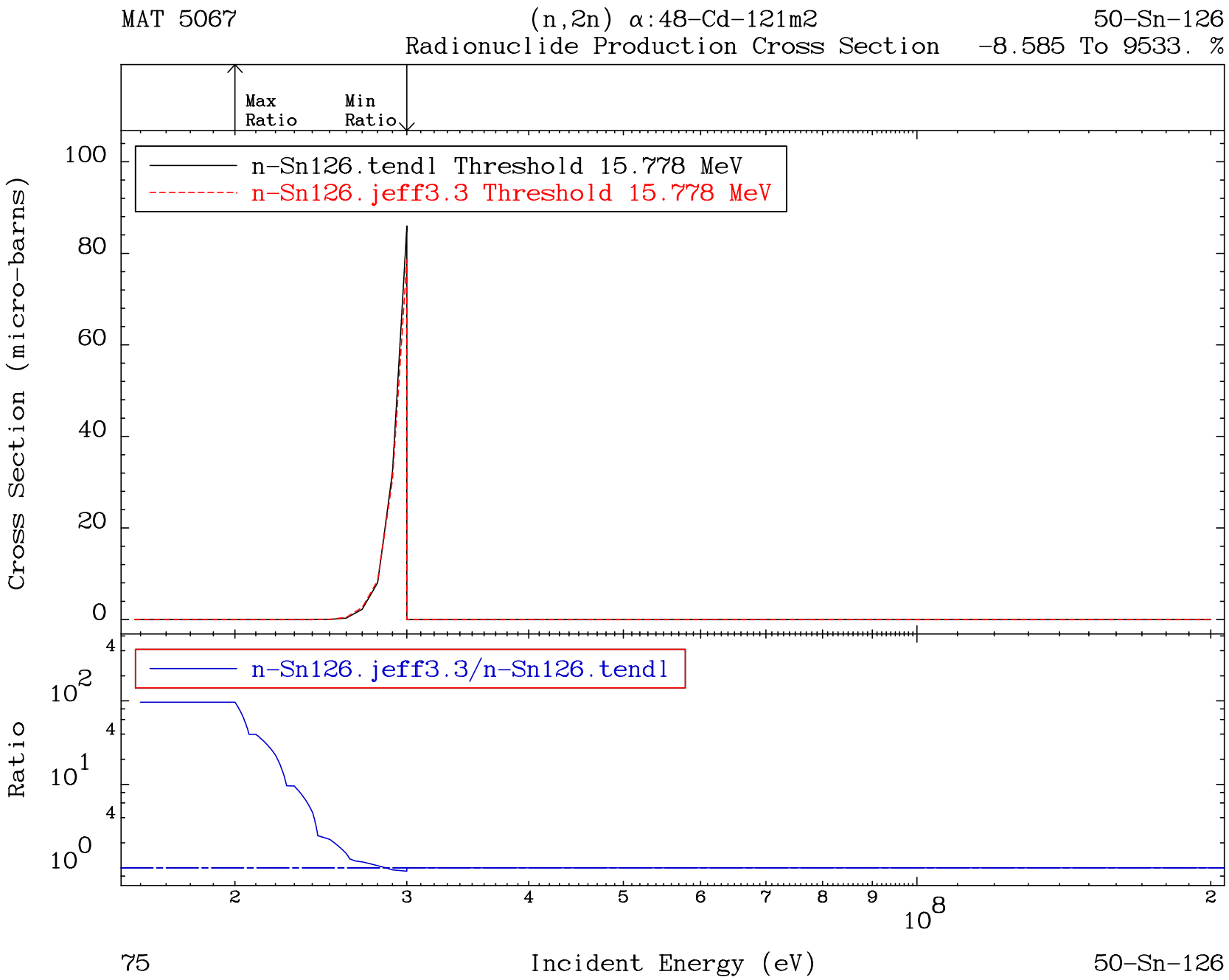

MAT 5067
(n,2n) d:49-In-123g
50-Sn-126
Radionuclide Production Cross Section -12.16 To 0.000 %
Max Ratio
n-Sn126.tendl Threshold 23.983 MeV
n-Sn126.jeff3.3 Threshold 23.983 MeV
Cross Section (micro-barns)
8
6
4
2
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
40
60
80
100
120
140
160
180
200
70
Incident Energy (MeV)
50-Sn-126

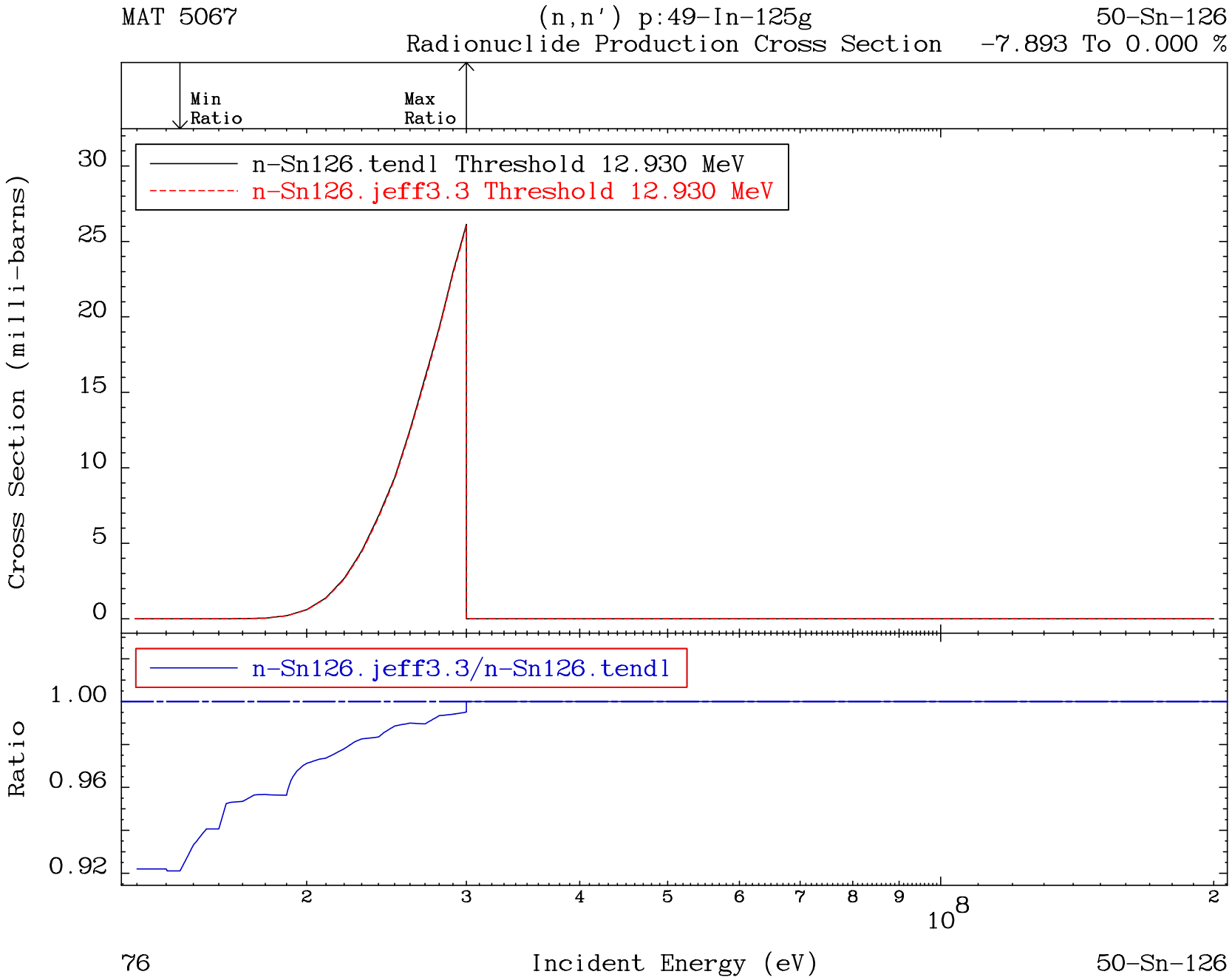

MAT 5067
(n,2n) d:49-In-123m1
50-Sn-126
Radionuclide Production Cross Section -3.265 To 0.000 %
Max Ratio
n-Sn126.tendl Threshold 24.312 MeV
n-Sn126.jeff3.3 Threshold 24.312 MeV
Cross Section (10^{-9} barns)
500
400
300
200
100
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
40
60
80
100
120
140
160
180
200
71
Incident Energy (MeV)
50-Sn-126

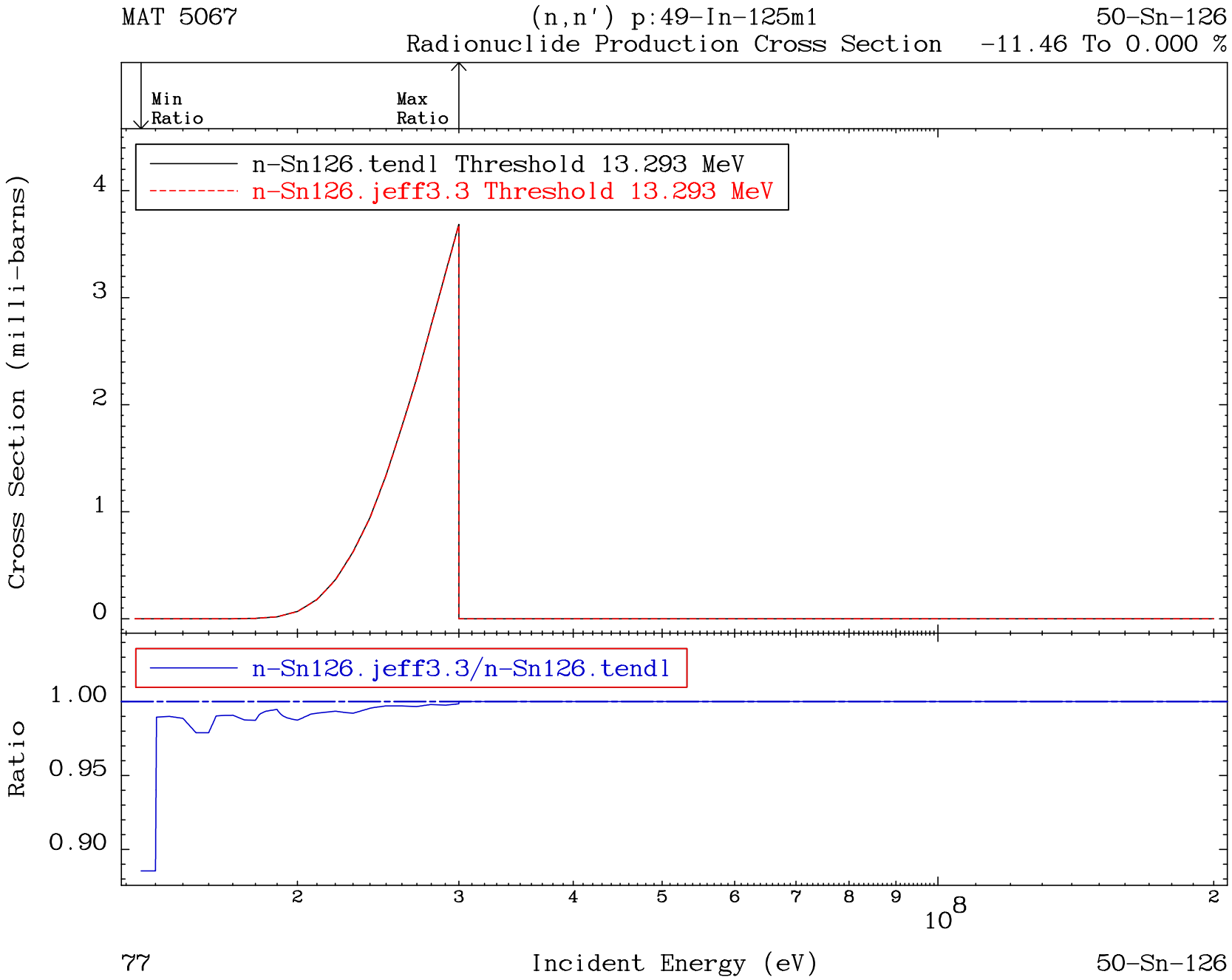

MAT 5067
(n,2n):50-Sn-125g
50-Sn-126
Radionuclide Production Cross Section -5.820 To 1.820 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 8.2558 MeV
n-Sn126.jeff3.3 Threshold 8.2558 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.04
1.00
0.96
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
72
Incident Energy (eV)
50-Sn-126

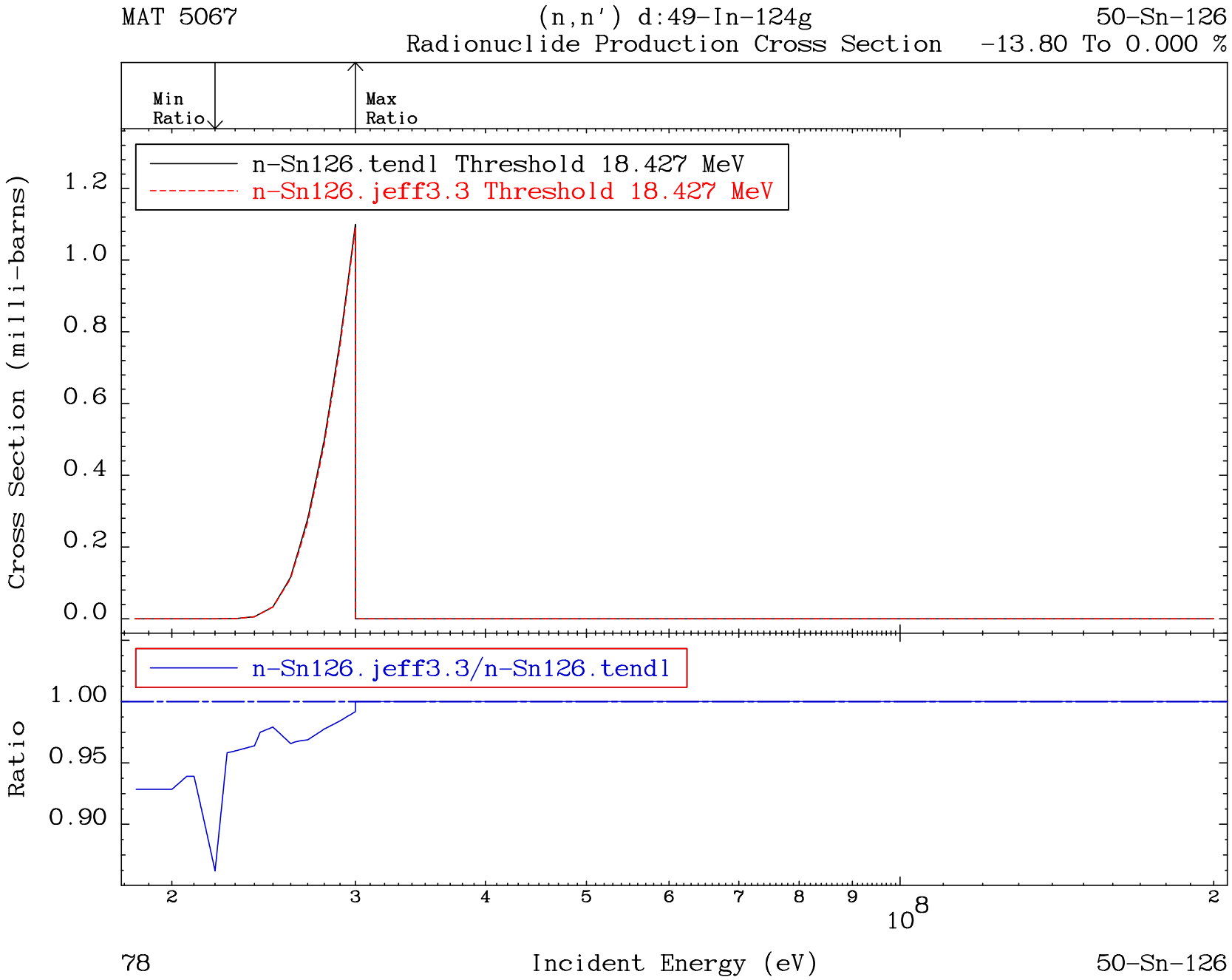

MAT 5067
(n,2n):50-Sn-125m1
50-Sn-126
Radionuclide Production Cross Section -5.643 To 2.795 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 8.2835 MeV
n-Sn126.jeff3.3 Threshold 8.2835 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.05
1.00
0.95
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
73
Incident Energy (eV)
50-Sn-126

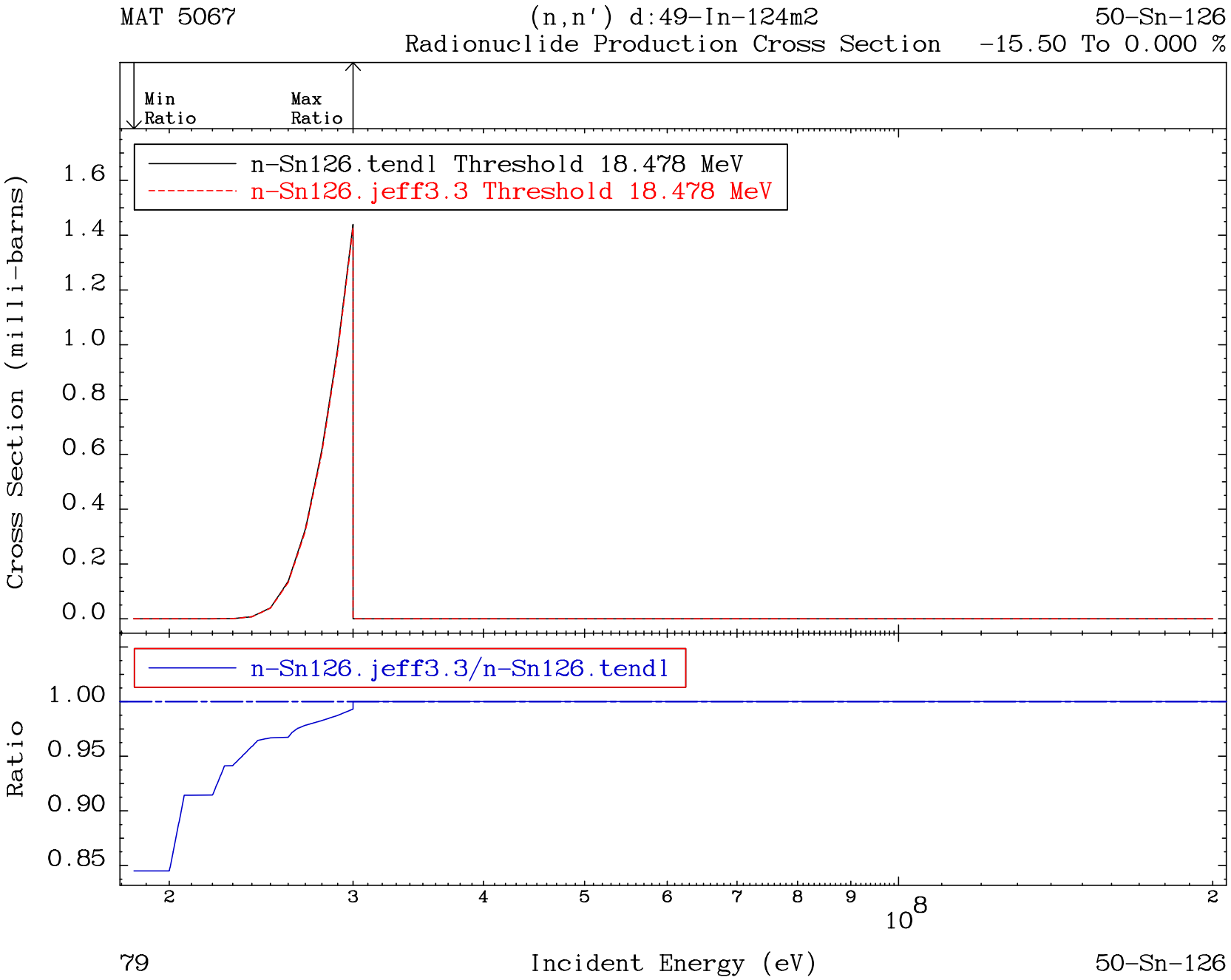

MAT 5067
(n,2n) α:48-Cd-121g
50-Sn-126
Radionuclide Production Cross Section -5.968 To 8955. %
Max Ratio
Min Ratio
n-Sn126.tendl Threshold 15.561 MeV
n-Sn126.jeff3.3 Threshold 15.561 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
50-Sn-126

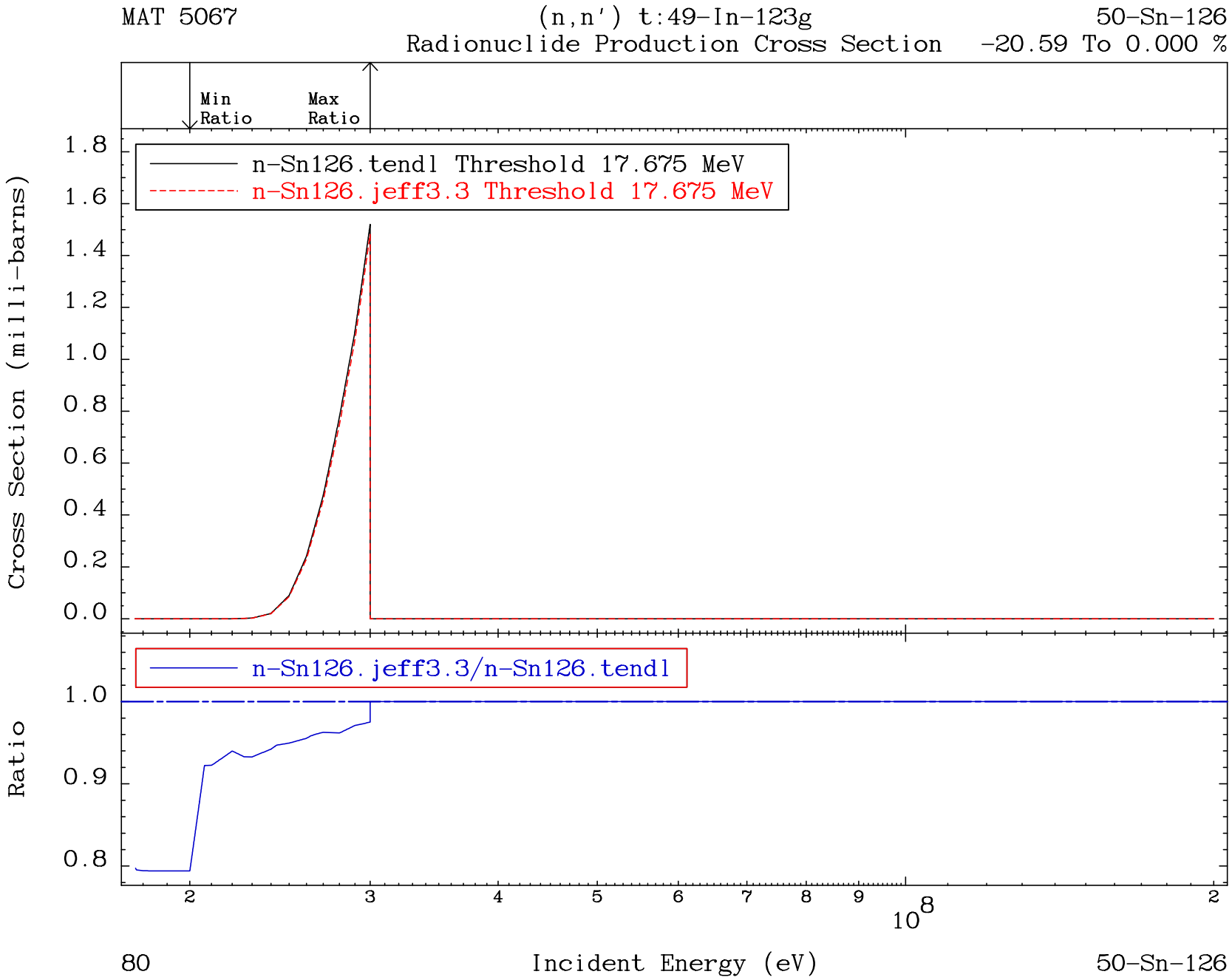

MAT 5067
(n,2n) α:48-Cd-121m2
50-Sn-126
Radionuclide Production Cross Section -8.585 To 9533. %
Max Ratio
Min Ratio
n-Sn126.tendl Threshold 15.778 MeV
n-Sn126.jeff3.3 Threshold 15.778 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
50-Sn-126

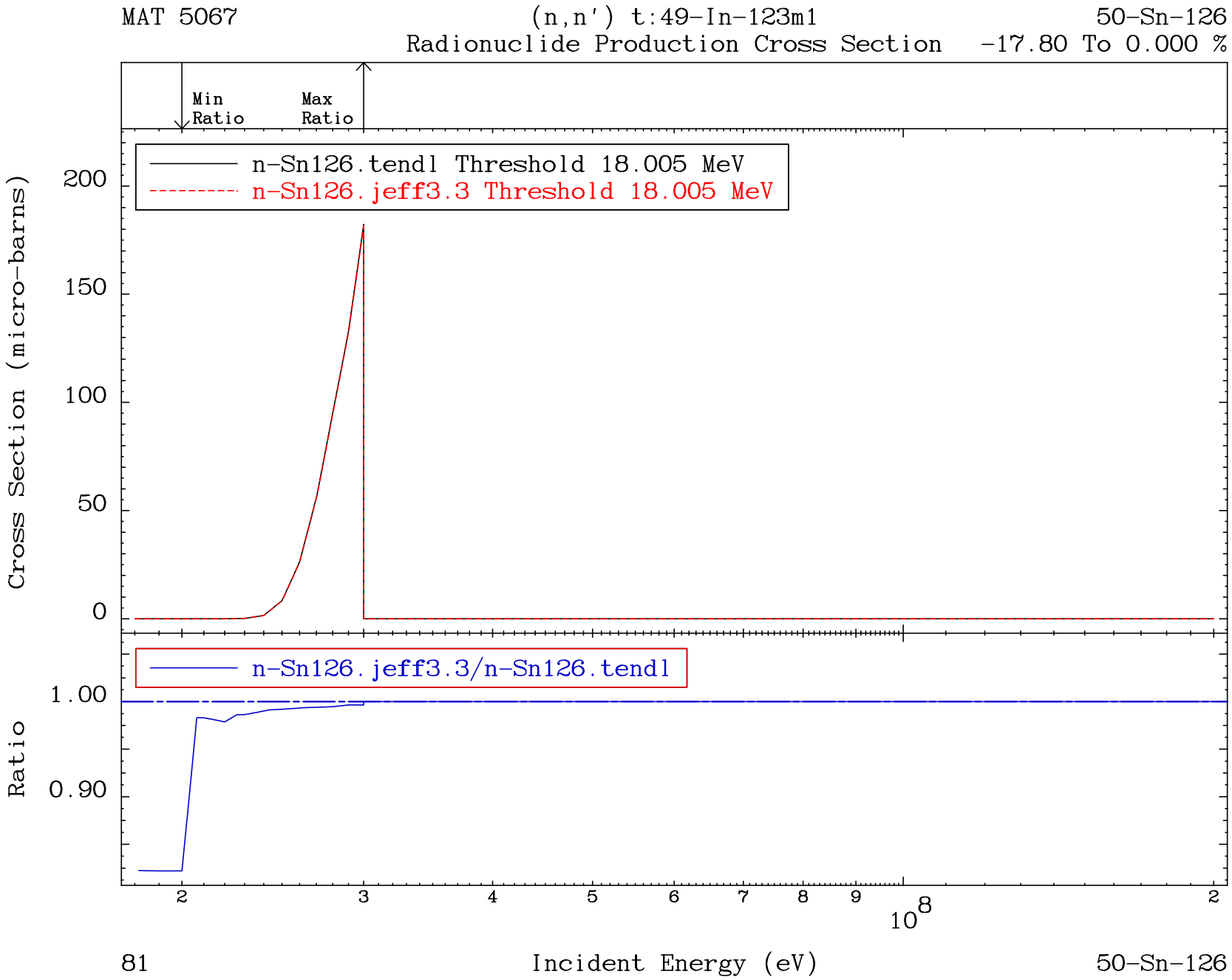

MAT 5067
(n,n') p:49-In-125g
50-Sn-126
Radionuclide Production Cross Section
-7.893 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 12.930 MeV
n-Sn126.jeff3.3 Threshold 12.930 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
50-Sn-126

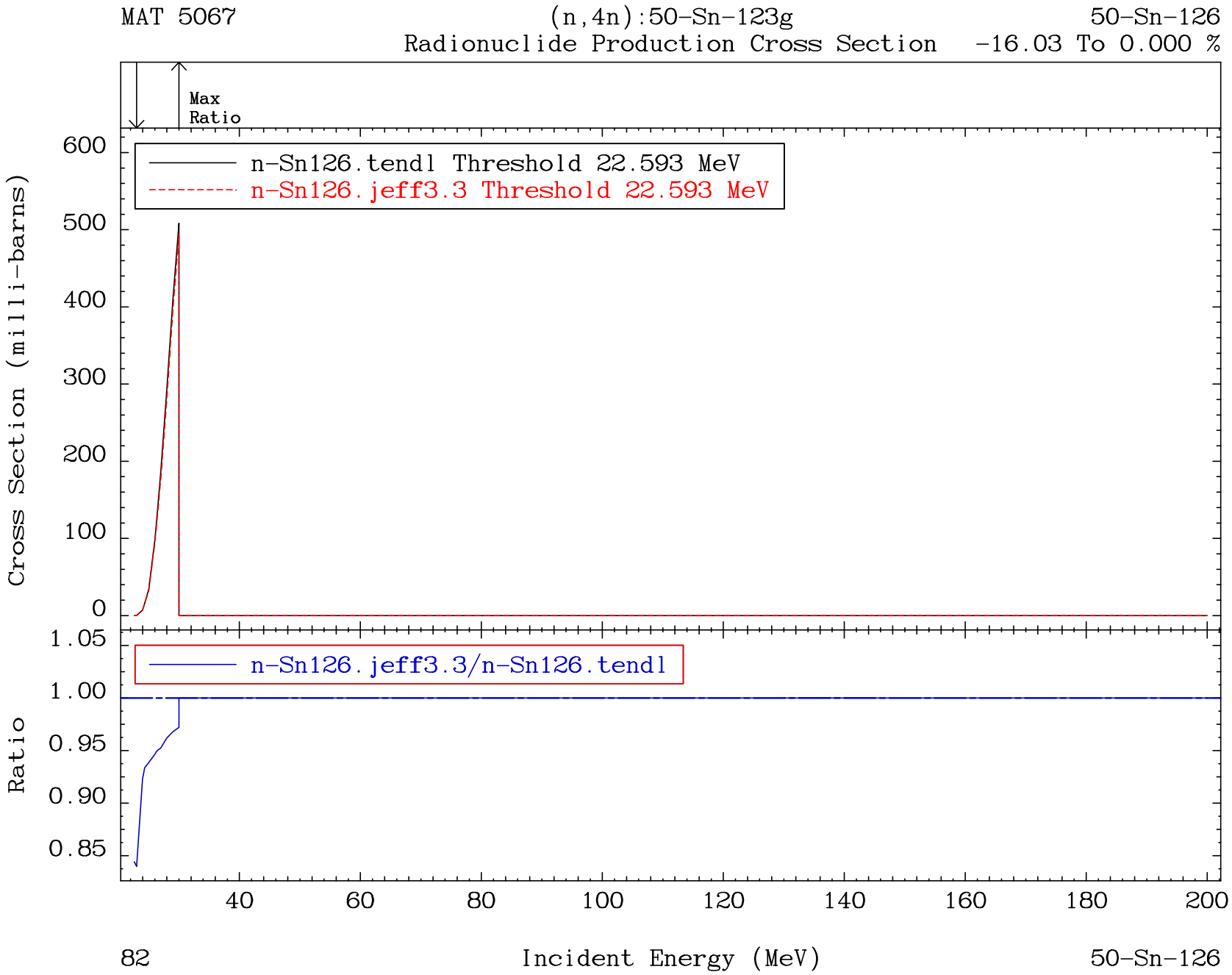

MAT 5067
(n,n') p:49-In-125m1
50-Sn-126
Radionuclide Production Cross Section -11.46 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 13.293 MeV
n-Sn126.jeff3.3 Threshold 13.293 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
50-Sn-126

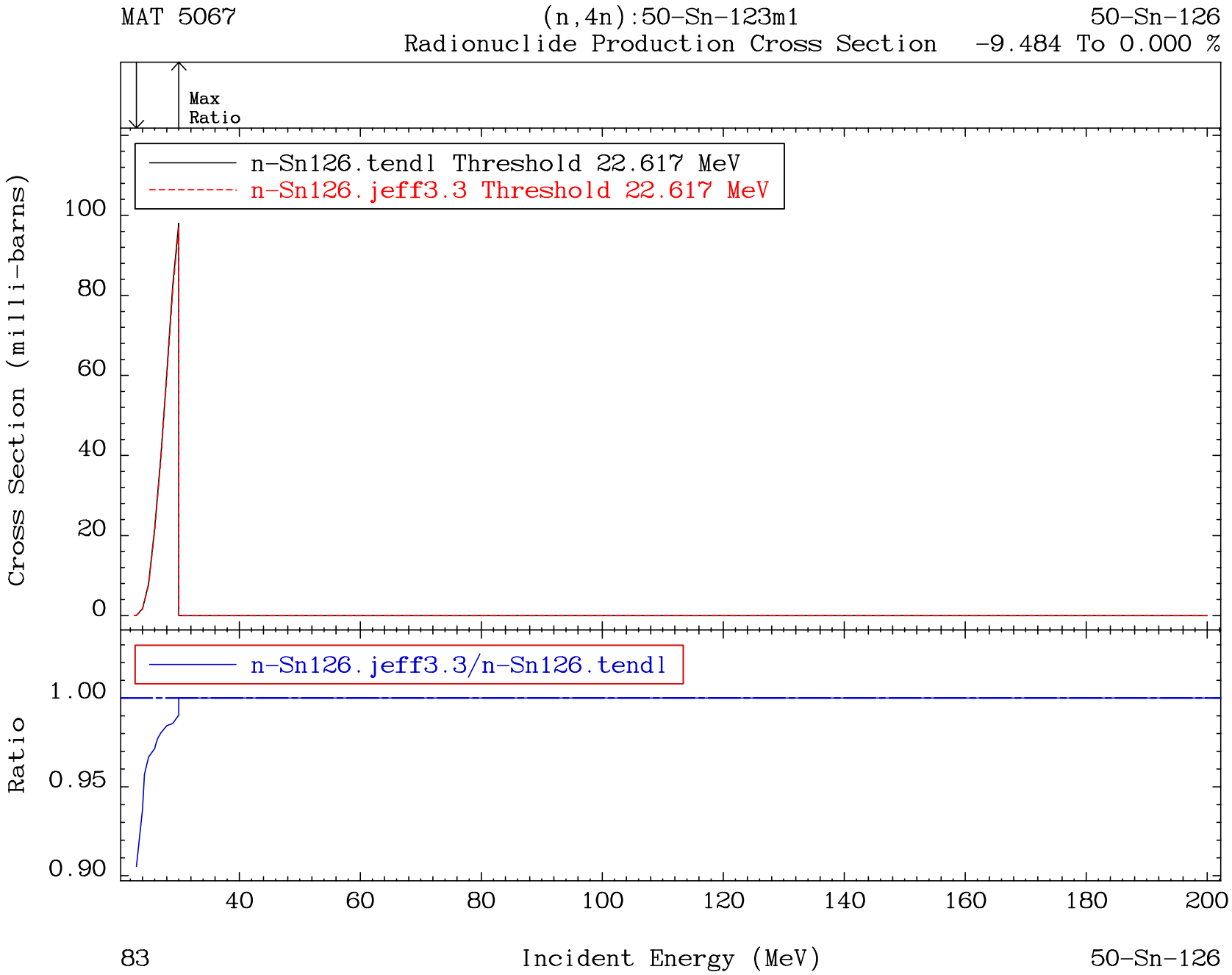

MAT 5067
(n,n') d:49-In-124g
50-Sn-126
Radionuclide Production Cross Section -13.80 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 18.427 MeV
n-Sn126.jeff3.3 Threshold 18.427 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
50-Sn-126

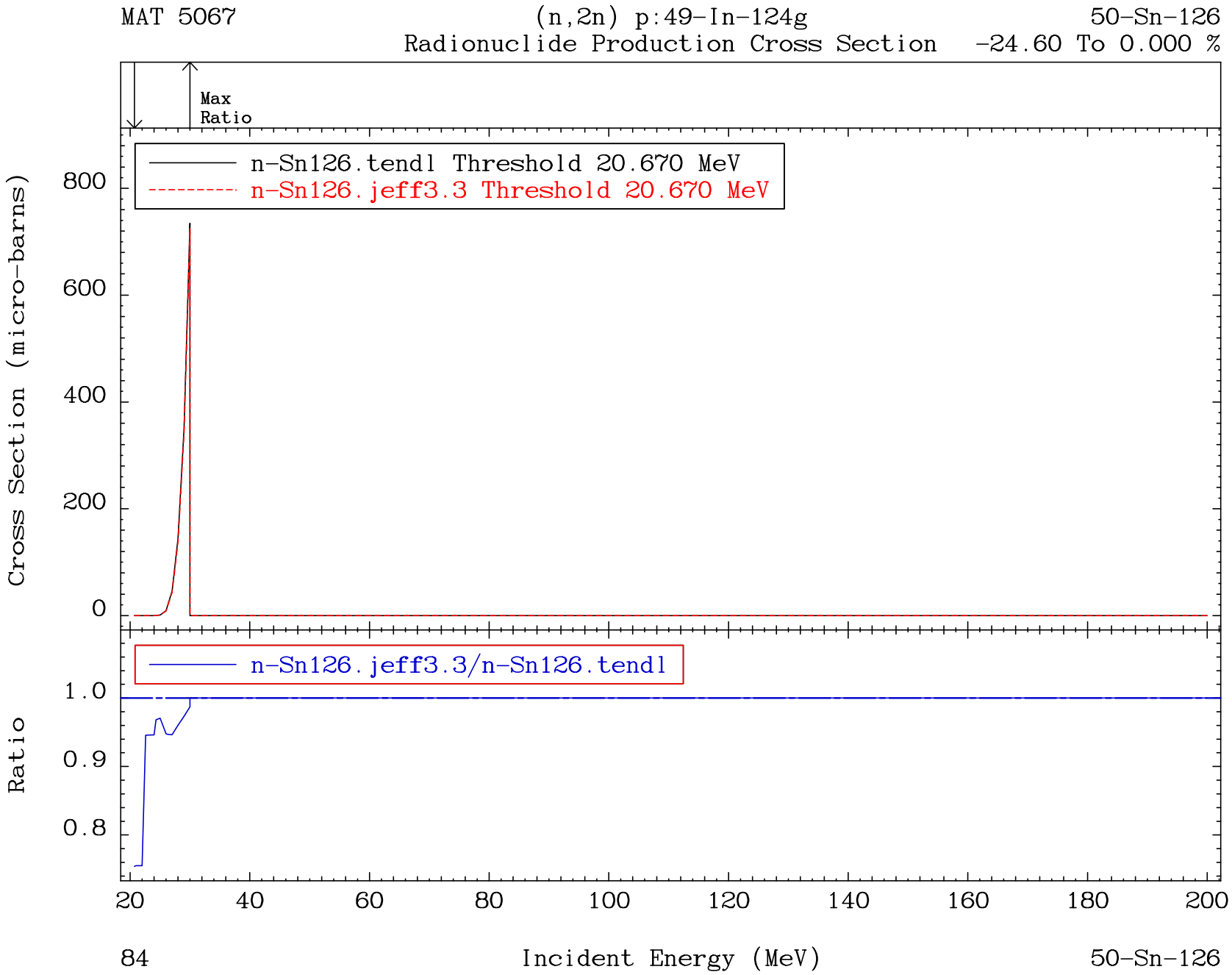

MAT 5067
(n,n') d:49-In-124m2
50-Sn-126
Radionuclide Production Cross Section -15.50 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 18.478 MeV
n-Sn126.jeff3.3 Threshold 18.478 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
0.85
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
50-Sn-126

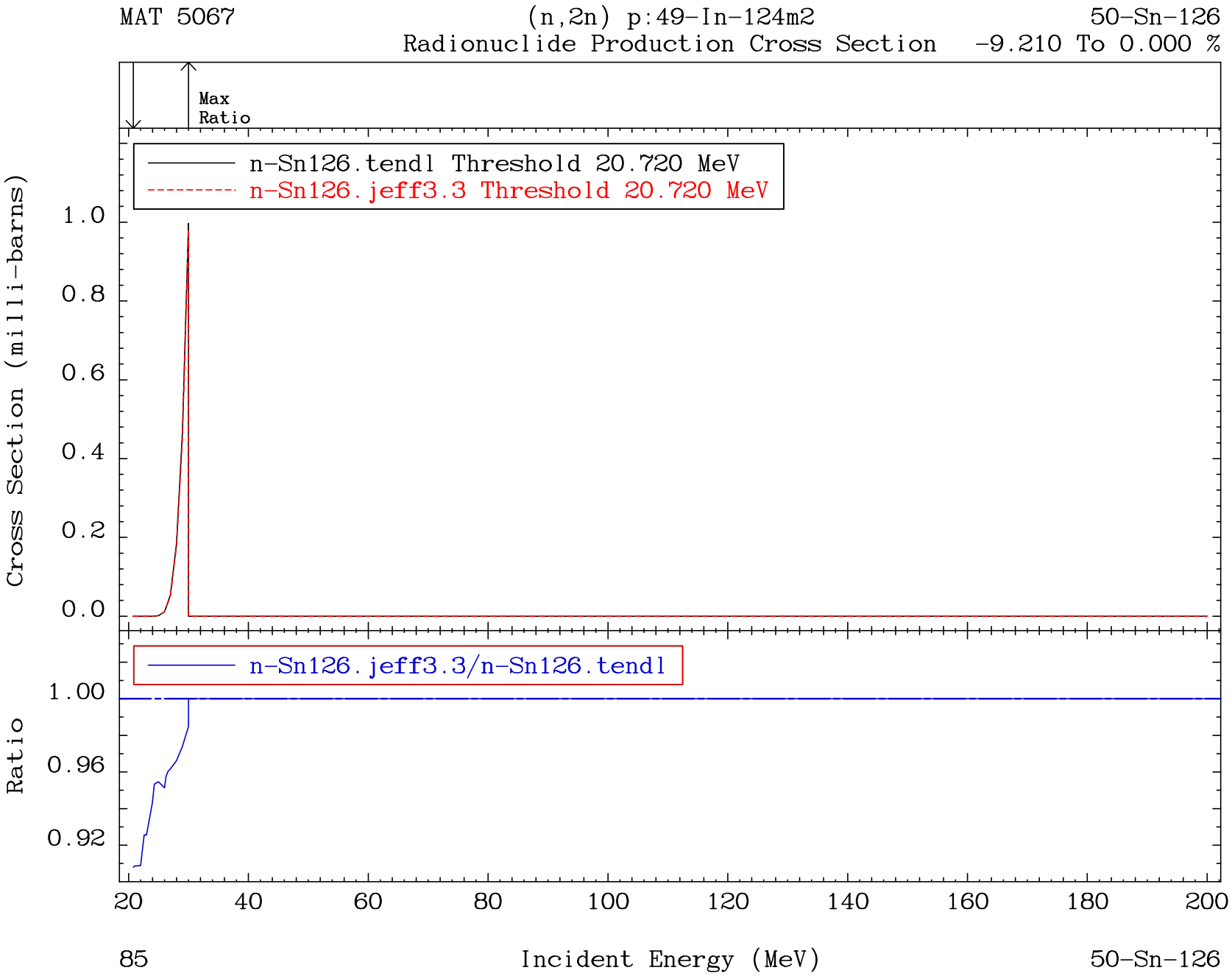

MAT 5067
(n,n') t:49-In-123g
50-Sn-126
Radionuclide Production Cross Section
-20.59 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 17.675 MeV
n-Sn126.jeff3.3 Threshold 17.675 MeV
Cross Section (milli-barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.0
0.9
0.8
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
50-Sn-126

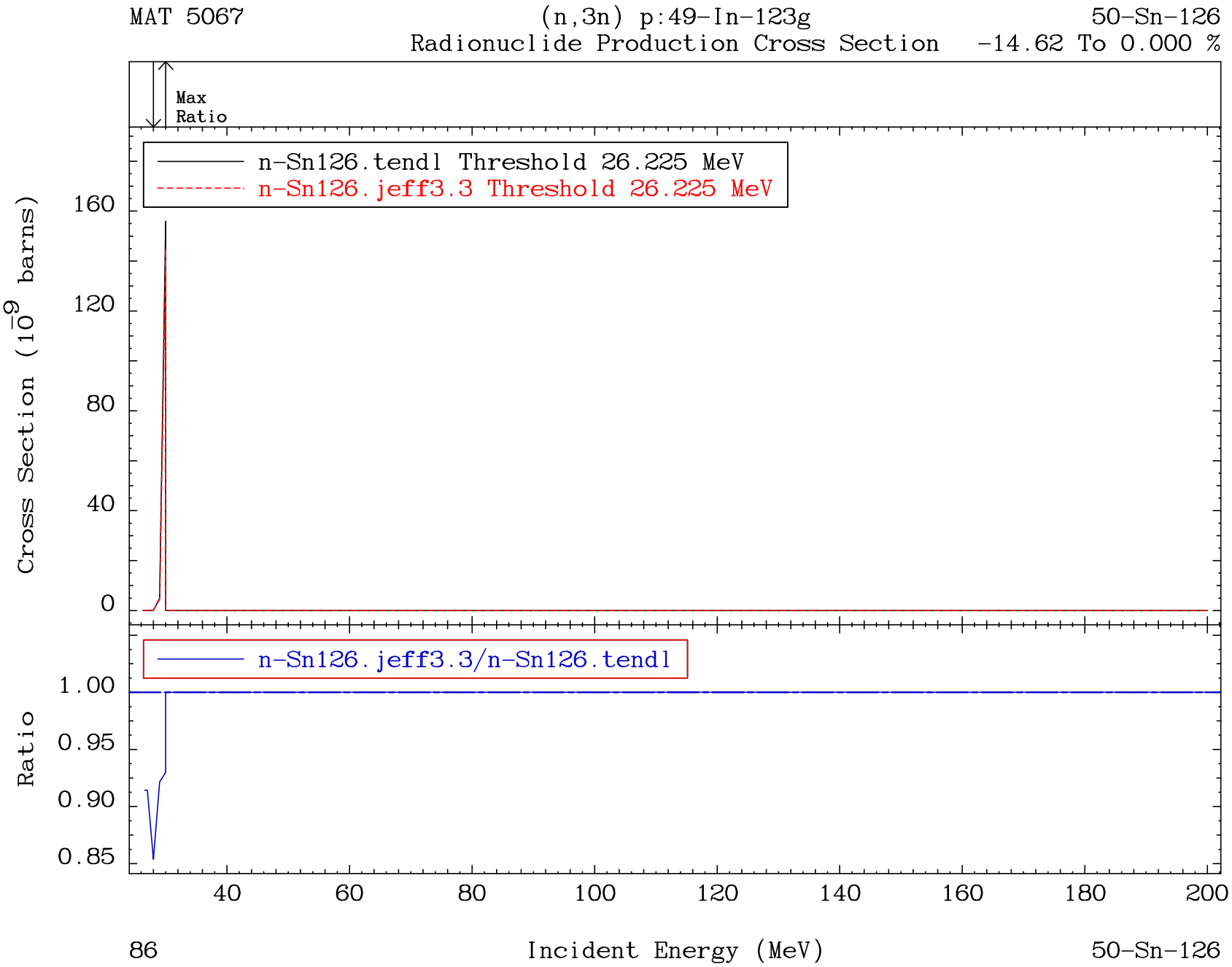

MAT 5067
(n,n') t:49-In-123m1
50-Sn-126
Radionuclide Production Cross Section -17.80 To 0.000 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 18.005 MeV
n-Sn126.jeff3.3 Threshold 18.005 MeV
Cross Section (micro-barns)
200
150
100
50
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.90
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
50-Sn-126

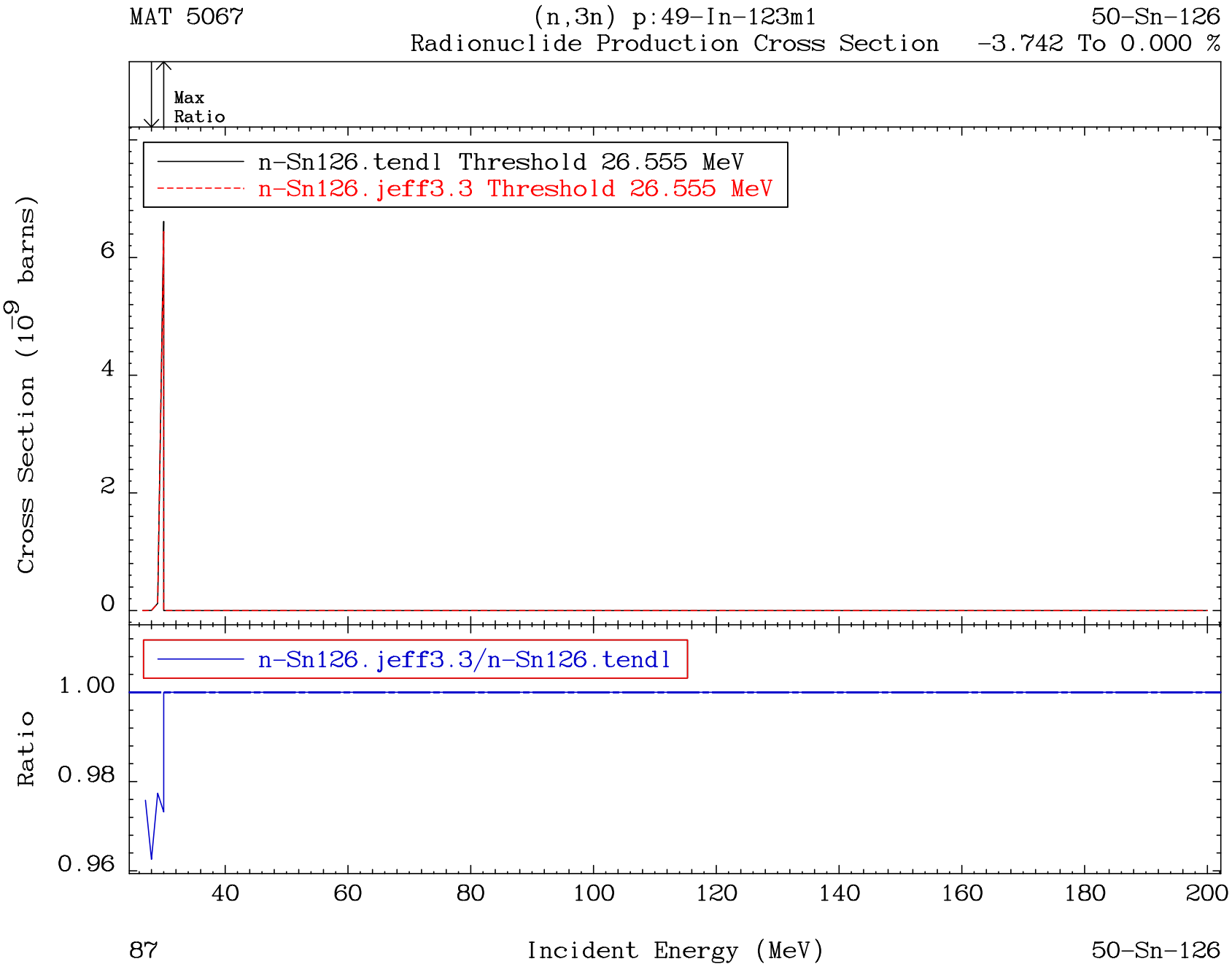

MAT 5067
(n,4n):50-Sn-123g
50-Sn-126
Radionuclide Production Cross Section -16.03 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 22.593 MeV
n-Sn126.jeff3.3 Threshold 22.593 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.05
1.00
0.95
0.90
0.85
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
50-Sn-126

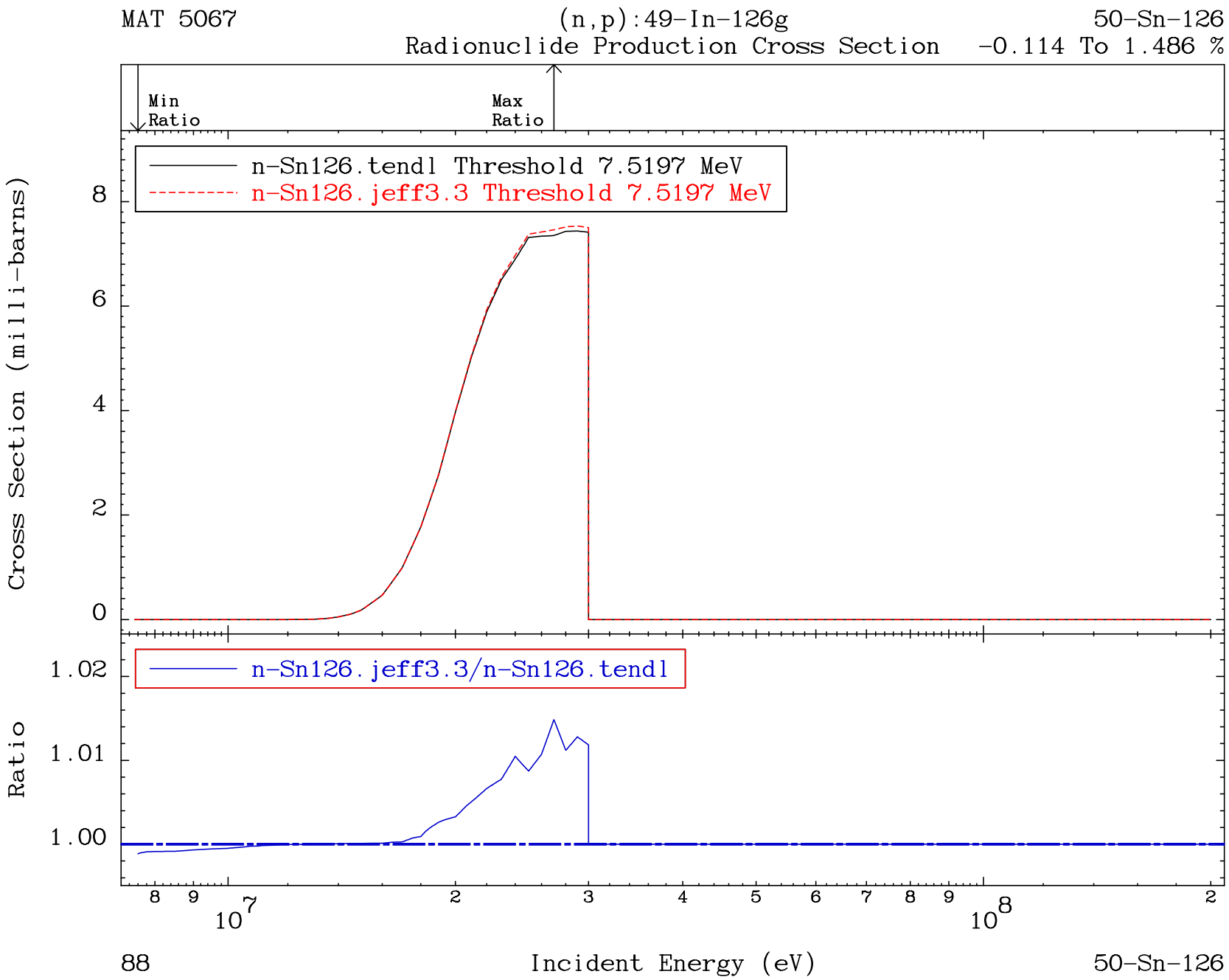

MAT 5067
(n,4n):50-Sn-123m1
50-Sn-126
Radionuclide Production Cross Section -9.484 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 22.617 MeV
n-Sn126.jeff3.3 Threshold 22.617 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
50-Sn-126

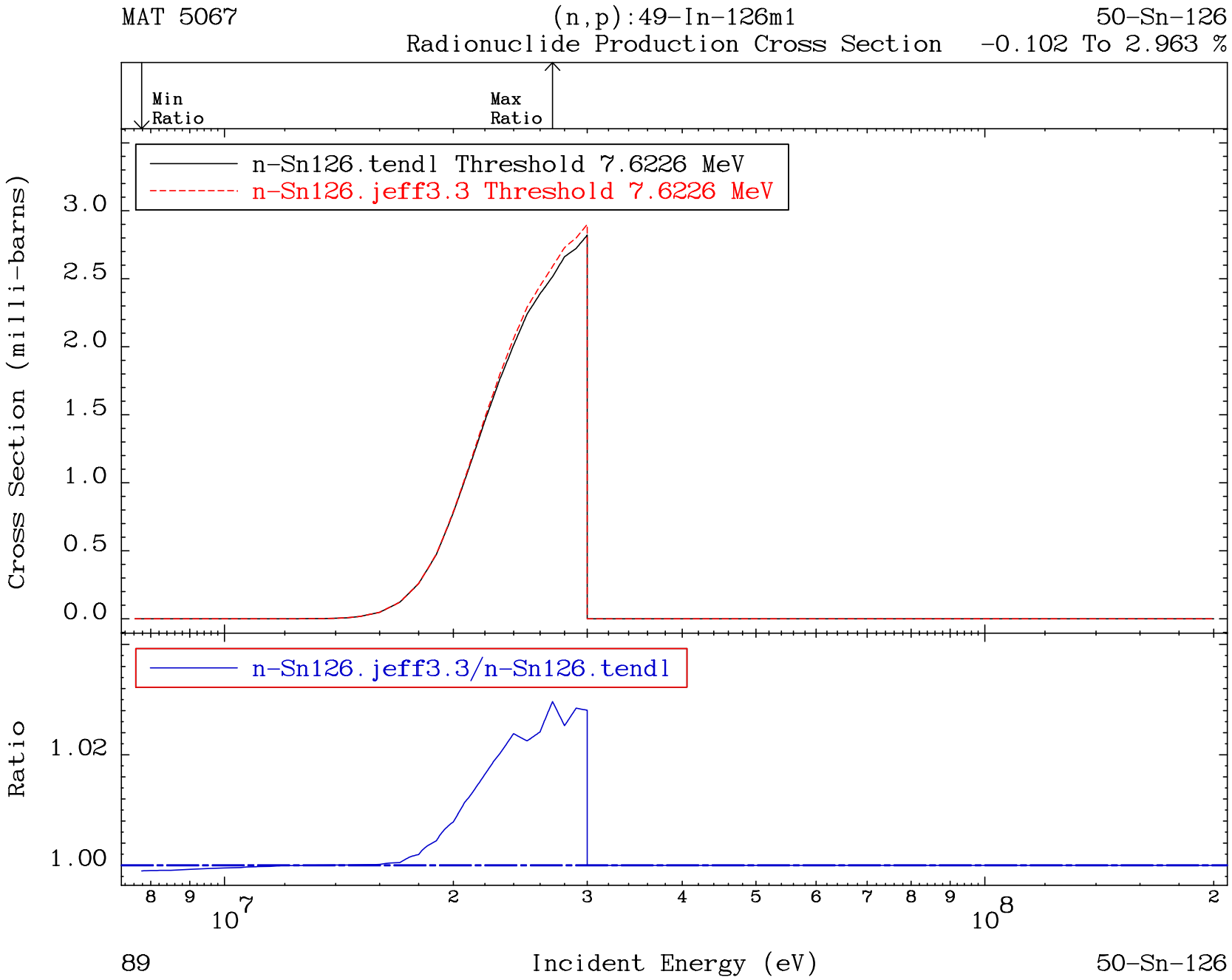

MAT 5067
(n,2n) p:49-In-124g
50-Sn-126
Radionuclide Production Cross Section
-24.60 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 20.670 MeV
n-Sn126.jeff3.3 Threshold 20.670 MeV
Cross Section (micro-barns)
800
600
400
200
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.0
0.9
0.8
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
50-Sn-126

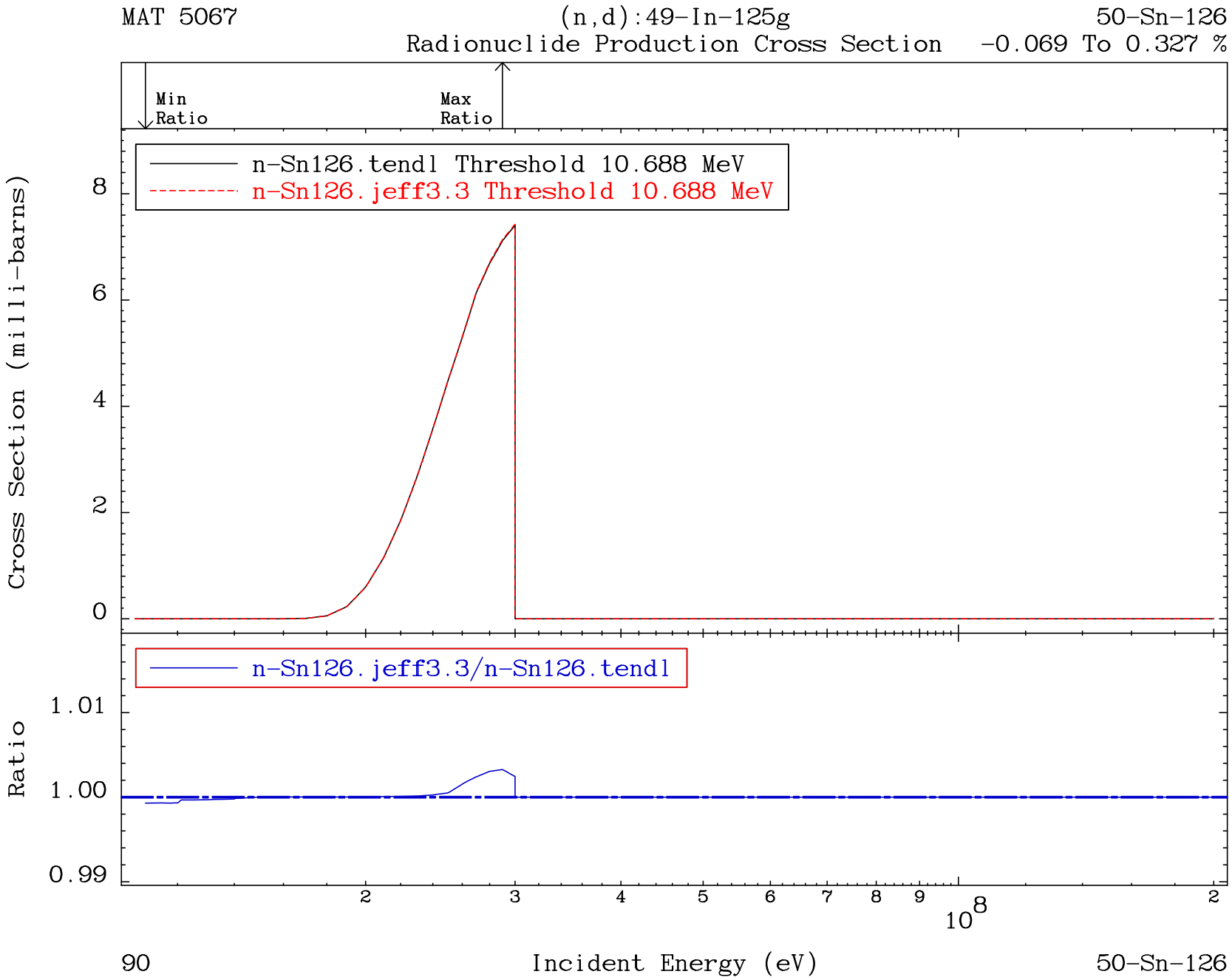

MAT 5067
(n,2n) p:49-In-124m2
50-Sn-126
Radionuclide Production Cross Section
-9.210 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 20.720 MeV
n-Sn126.jeff3.3 Threshold 20.720 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.96
0.92
20
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
50-Sn-126

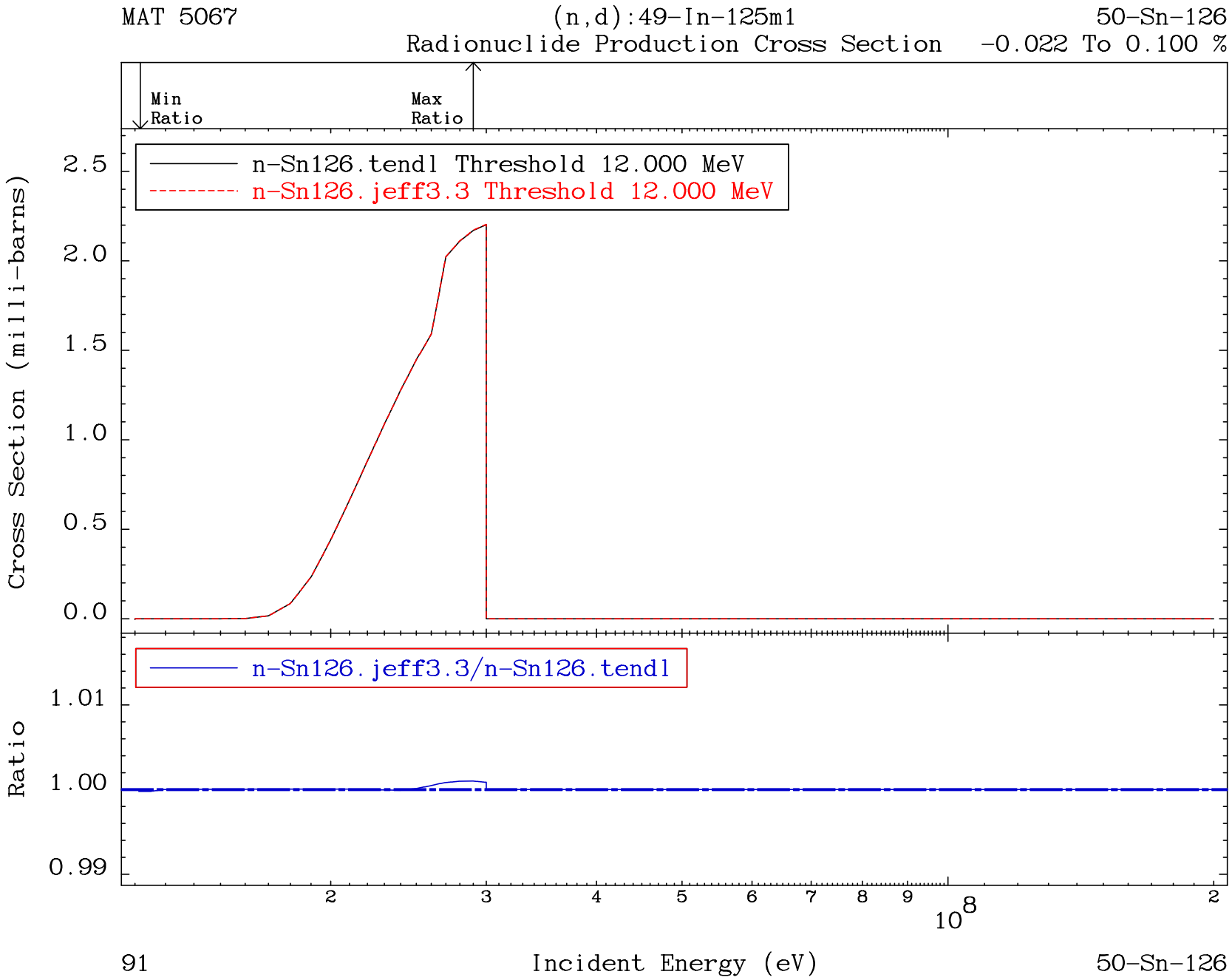

MAT 5067
(n,3n) p:49-In-123g
50-Sn-126
Radionuclide Production Cross Section -14.62 To 0.000 %
Max
Ratio
n-Sn126.tendl Threshold 26.225 MeV
n-Sn126.jeff3.3 Threshold 26.225 MeV
Cross Section (10^{-9} barns)
160
120
80
40
0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.95
0.90
0.85
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
50-Sn-126

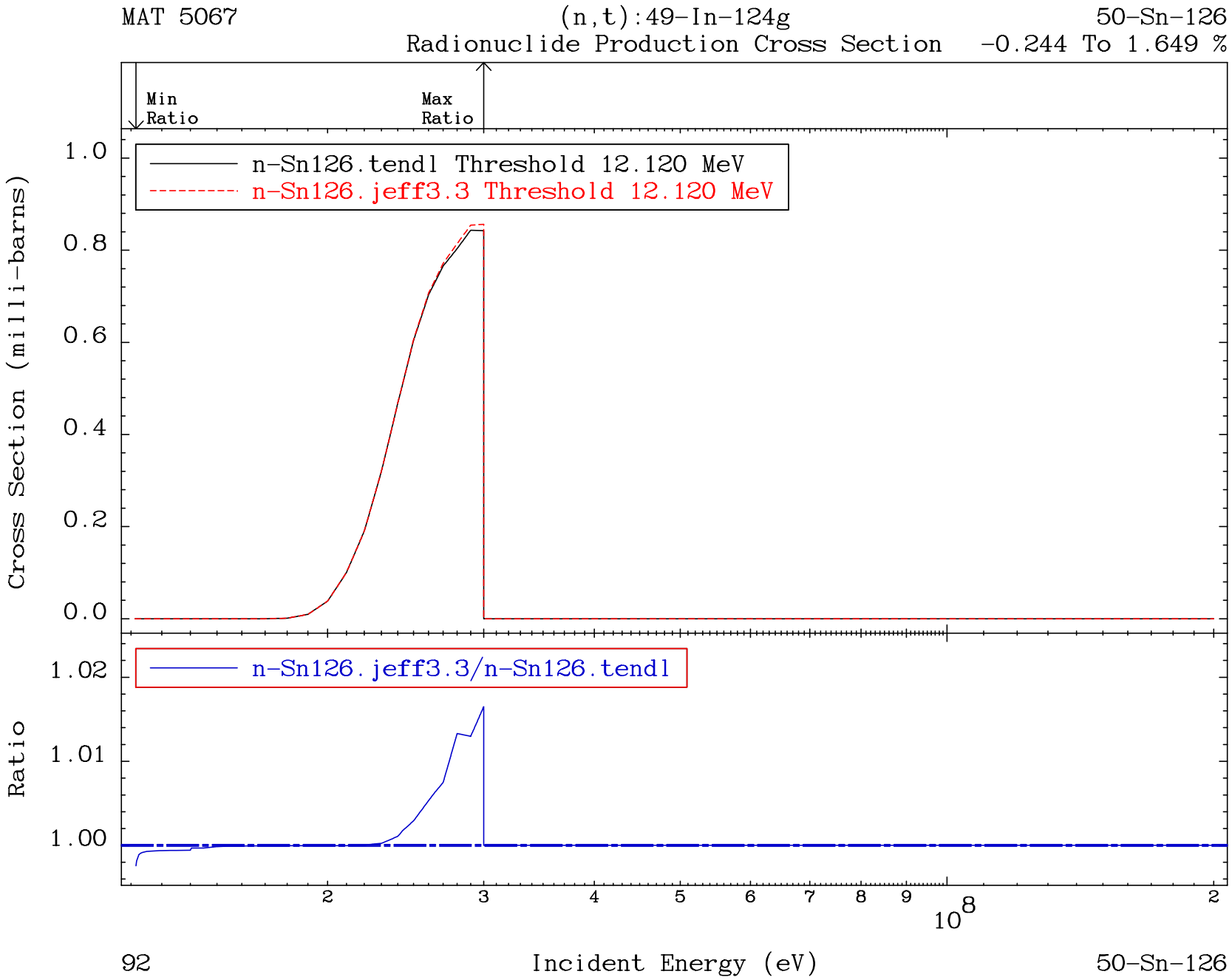

MAT 5067
(n,3n) p:49-In-123m1
50-Sn-126
Radionuclide Production Cross Section -3.742 To 0.000 %
Max Ratio
n-Sn126.tendl Threshold 26.555 MeV
n-Sn126.jeff3.3 Threshold 26.555 MeV
Cross Section (10^{-9} barns)
0
2
4
6
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
0.98
0.96
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
50-Sn-126

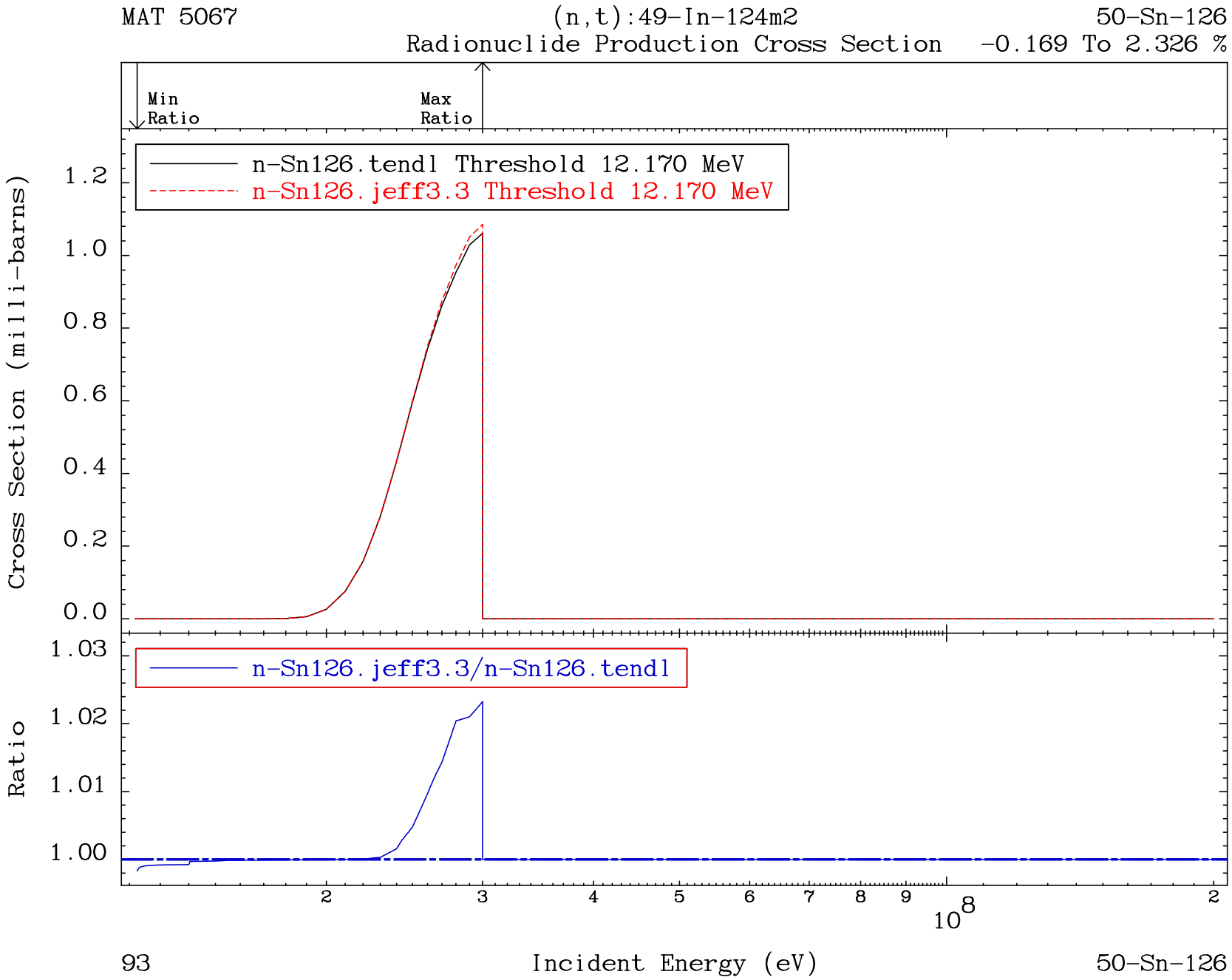

MAT 5067
(n,p):49-In-126g
50-Sn-126
Radionuclide Production Cross Section -0.114 To 1.486 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 7.5197 MeV
n-Sn126.jeff3.3 Threshold 7.5197 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.00
1.01
1.02
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
88
Incident Energy (eV)
50-Sn-126

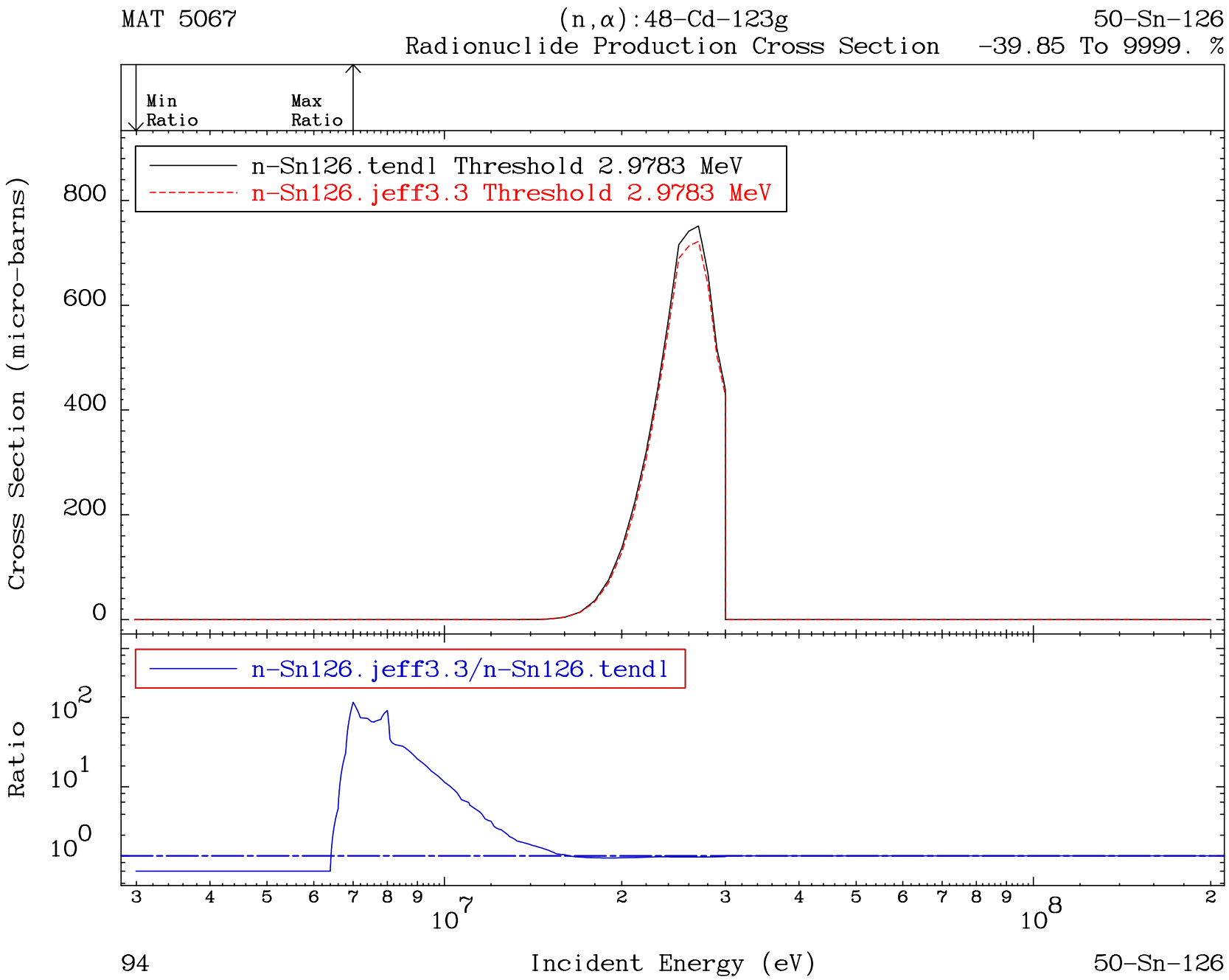

MAT 5067
(n,p):49-In-126m1
50-Sn-126
Radionuclide Production Cross Section -0.102 To 2.963 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 7.6226 MeV
n-Sn126.jeff3.3 Threshold 7.6226 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.02
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
89
Incident Energy (eV)
50-Sn-126

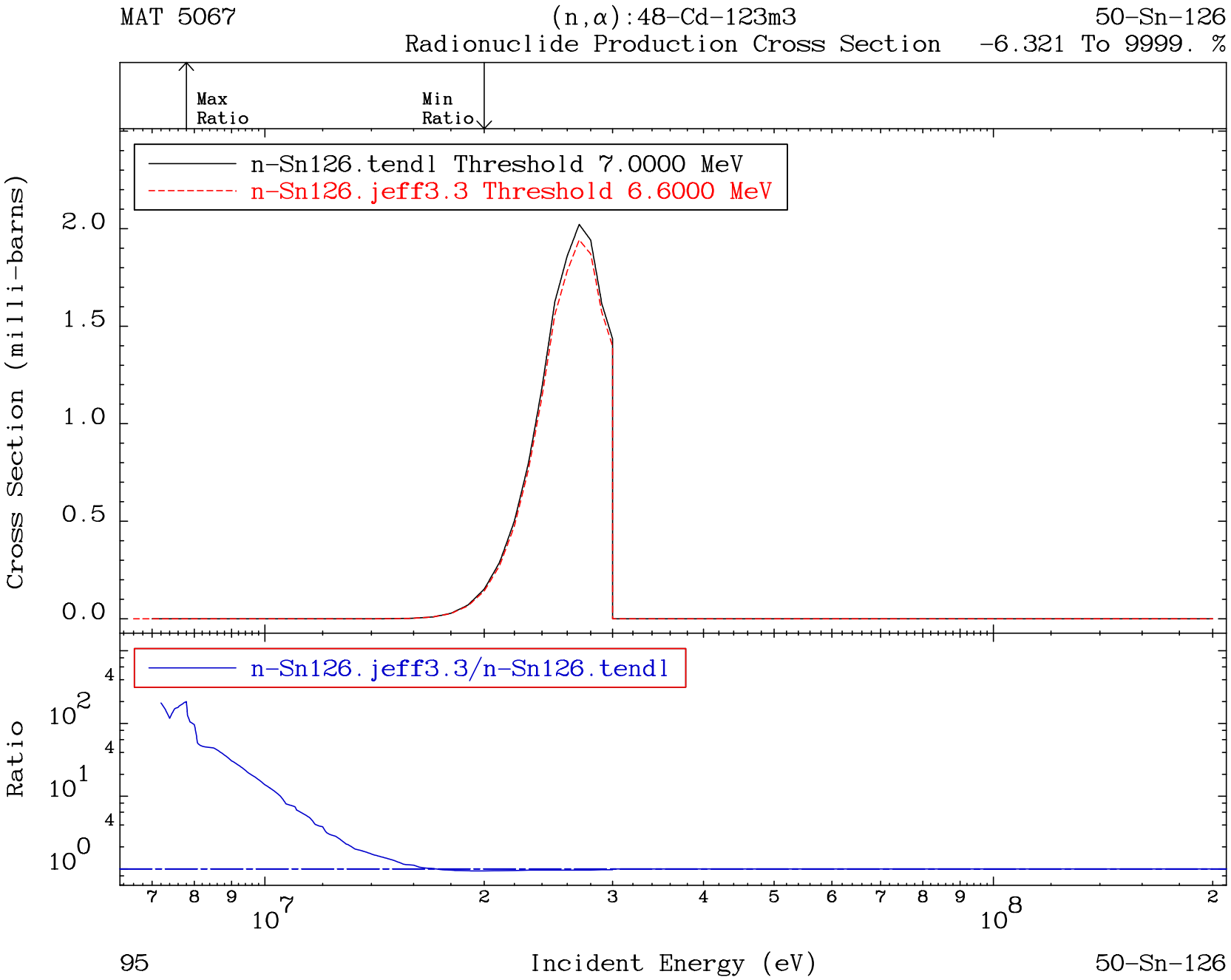

MAT 5067
(n,d):49-In-125g
50-Sn-126
Radionuclide Production Cross Section
-0.069 To 0.327 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 10.688 MeV
n-Sn126.jeff3.3 Threshold 10.688 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,d):49-In-125m1
50-Sn-126
Radionuclide Production Cross Section
-0.022 To 0.100 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 12.000 MeV
n-Sn126.jeff3.3 Threshold 12.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,t):49-In-124g
50-Sn-126
Radionuclide Production Cross Section
-0.244 To 1.649 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 12.120 MeV
n-Sn126.jeff3.3 Threshold 12.120 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,t):49-In-124m2
50-Sn-126
Radionuclide Production Cross Section -0.169 To 2.326 %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 12.170 MeV
n-Sn126.jeff3.3 Threshold 12.170 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
1.03
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,α):48-Cd-123g
50-Sn-126
Radionuclide Production Cross Section -39.85 To 9999. %
Min Ratio
Max Ratio
n-Sn126.tendl Threshold 2.9783 MeV
n-Sn126.jeff3.3 Threshold 2.9783 MeV
Cross Section (micro-barns)
800
600
400
200
0
n-Sn126.jeff3.3/n-Sn126.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
94
Incident Energy (eV)
50-Sn-126


MAT 5067
(n,α):48-Cd-123m3
50-Sn-126
Radionuclide Production Cross Section -6.321 To 9999. %
Max Ratio
Min Ratio
n-Sn126.tendl Threshold 7.0000 MeV
n-Sn126.jeff3.3 Threshold 6.6000 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Sn126.jeff3.3/n-Sn126.tendl
Ratio
10^2
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
95
Incident Energy (eV)
50-Sn-126