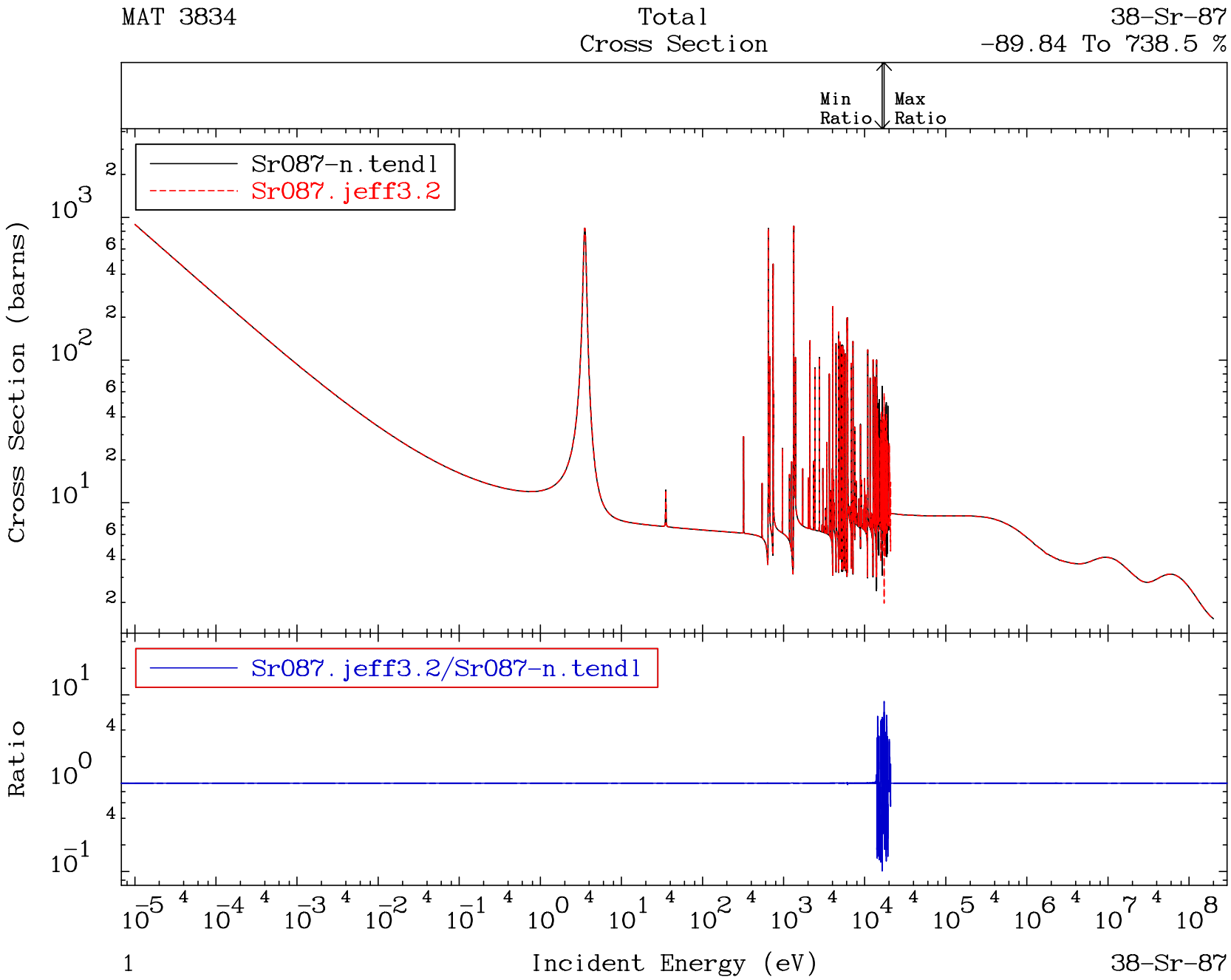
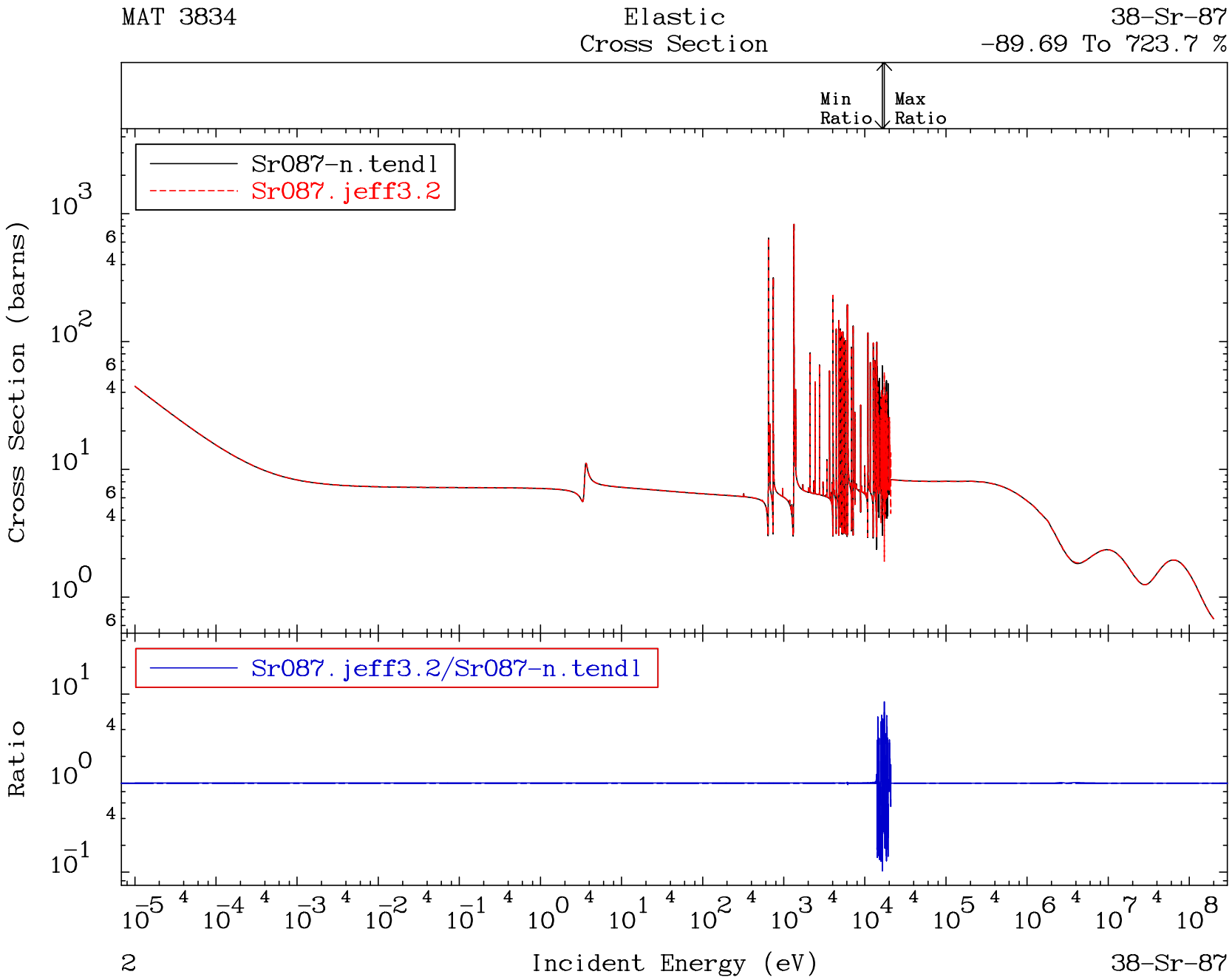
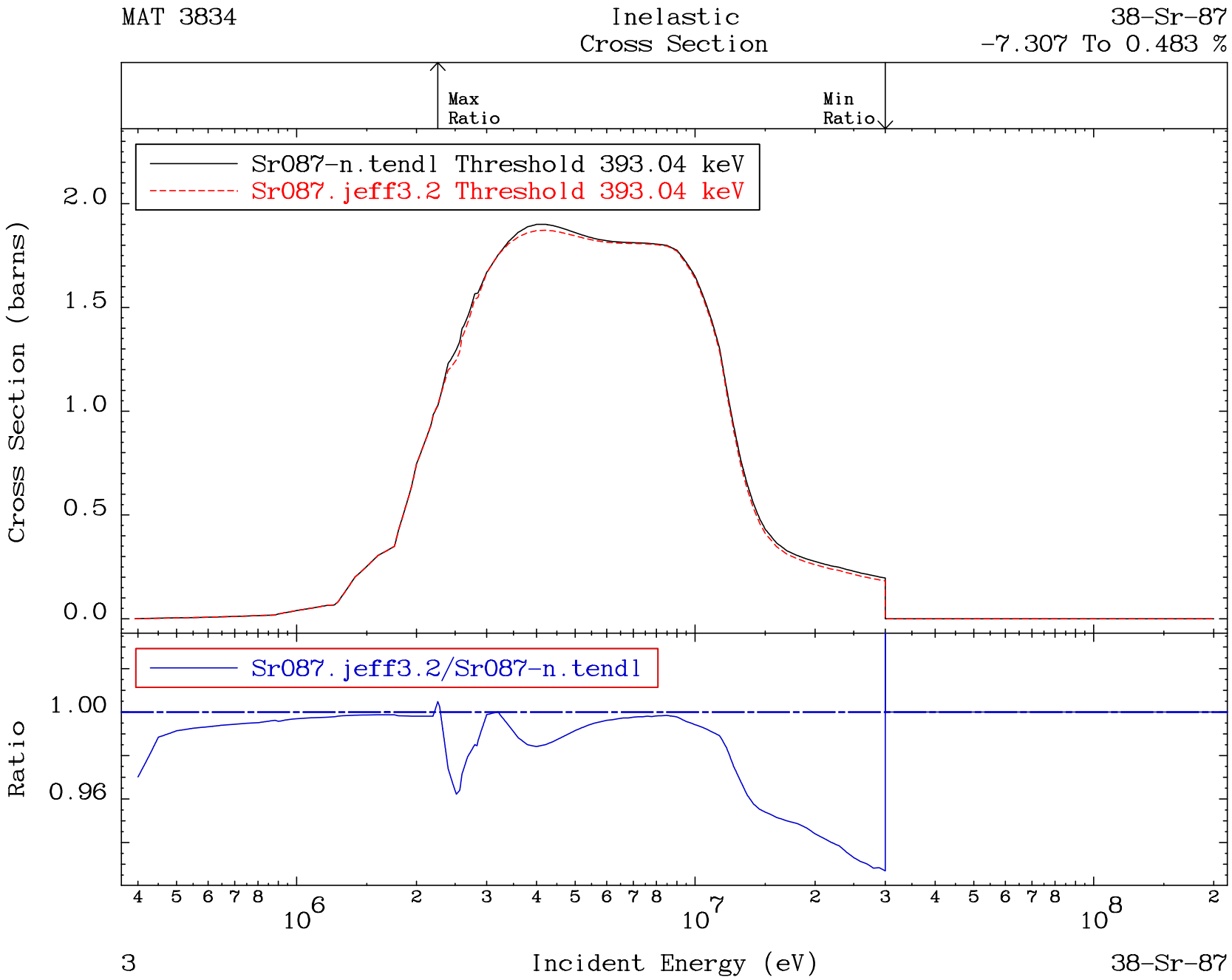
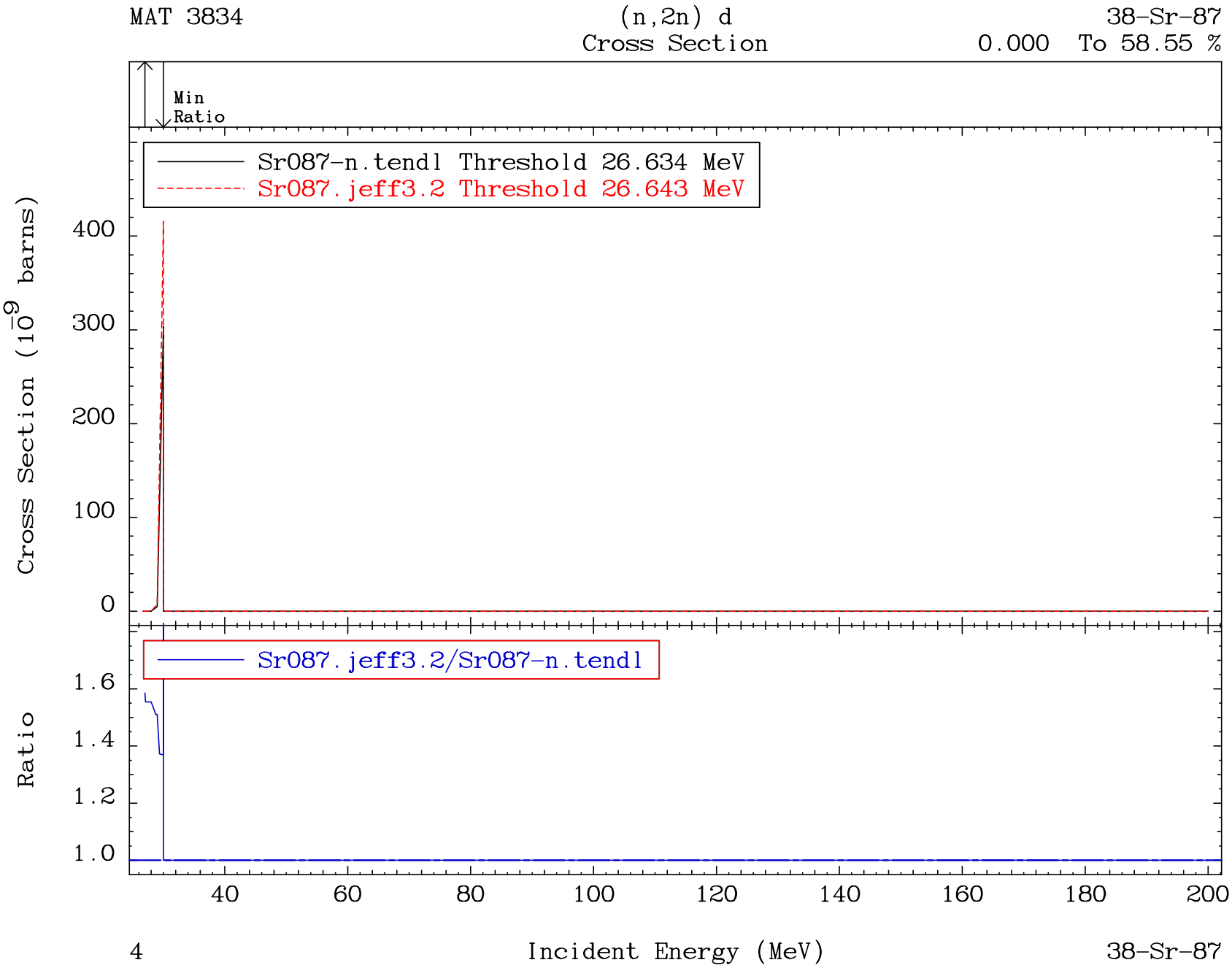
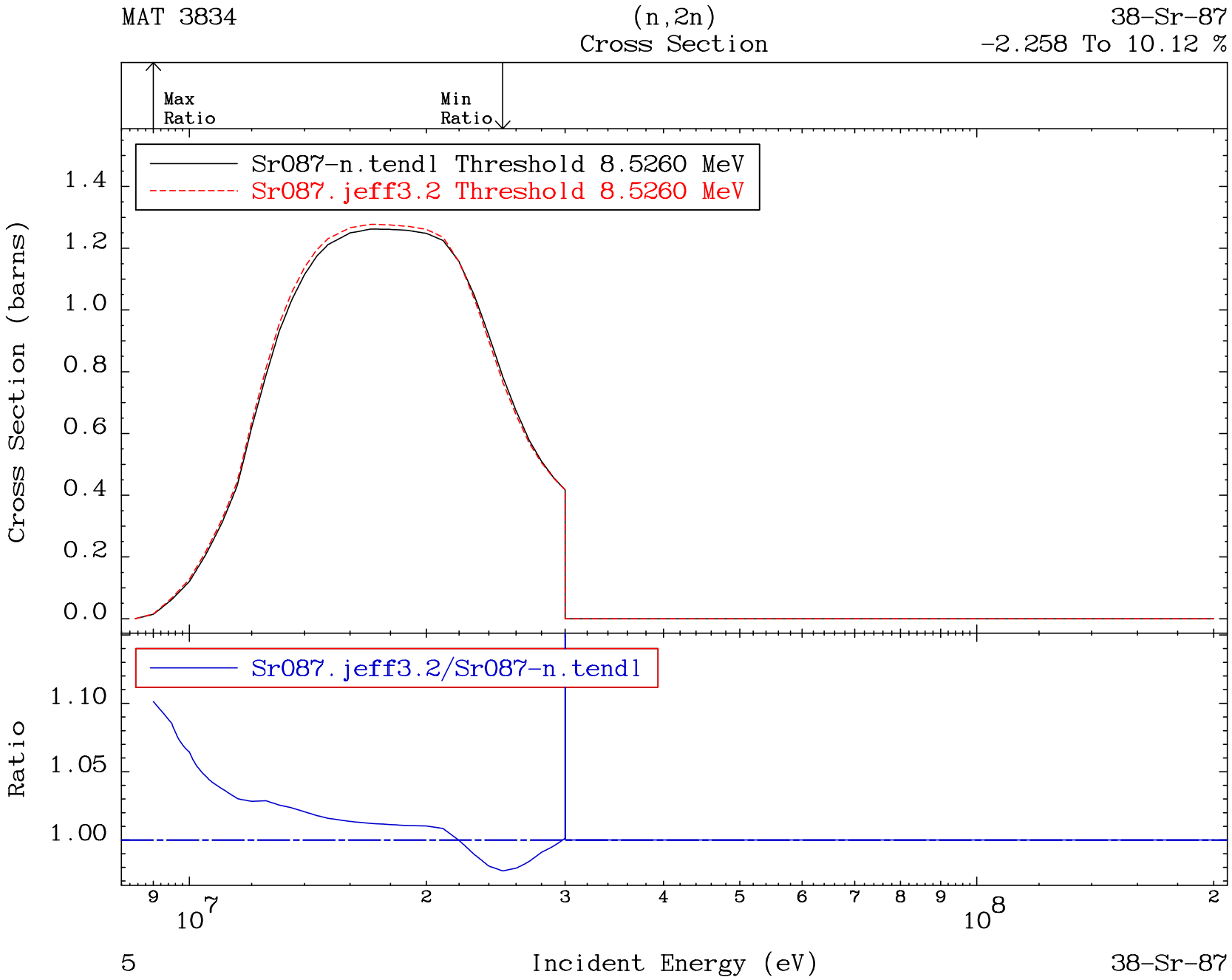
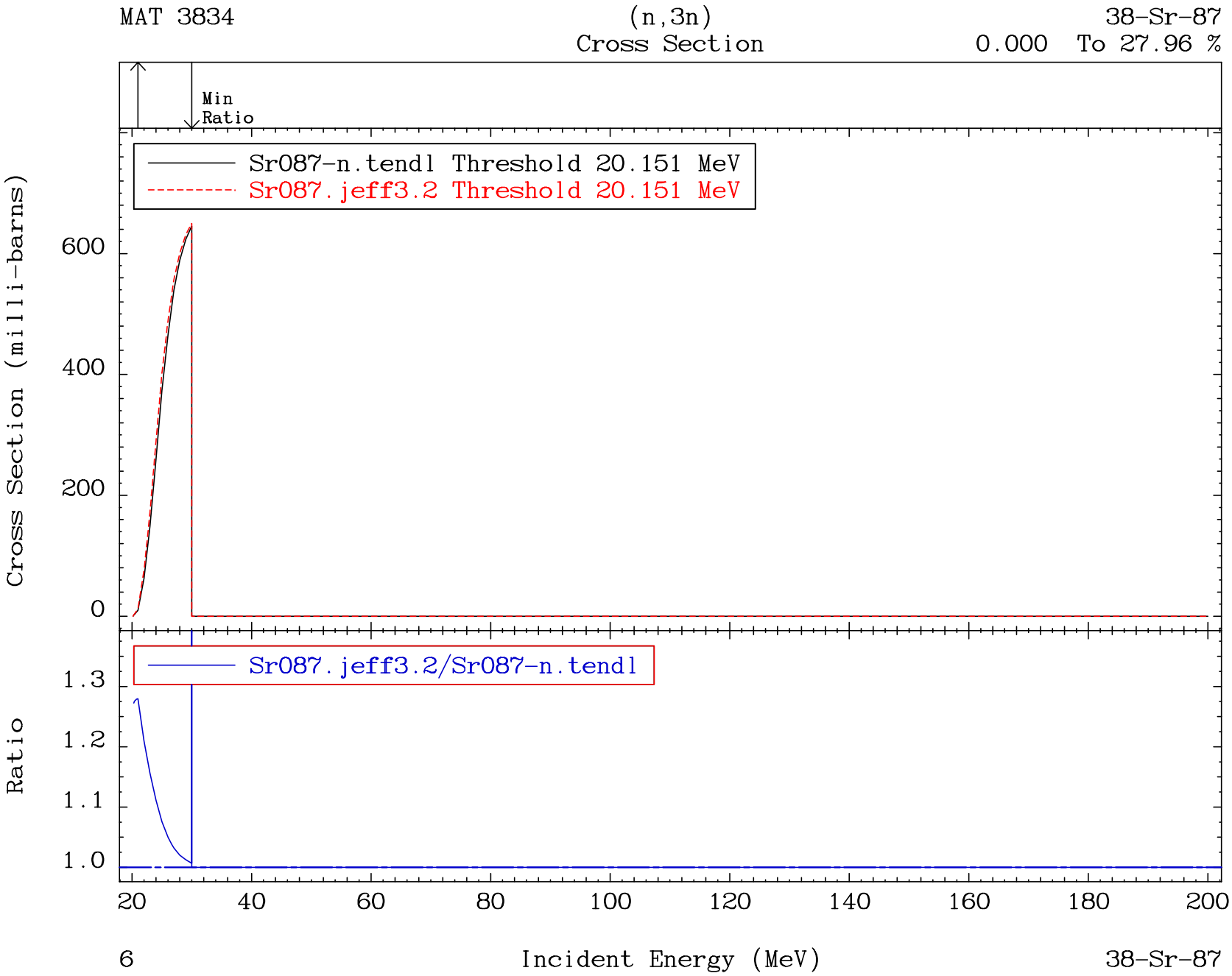

MAT 3834
Total
Cross Section
38-Sr-87
-89.84 To 738.5 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
1
38-Sr-87

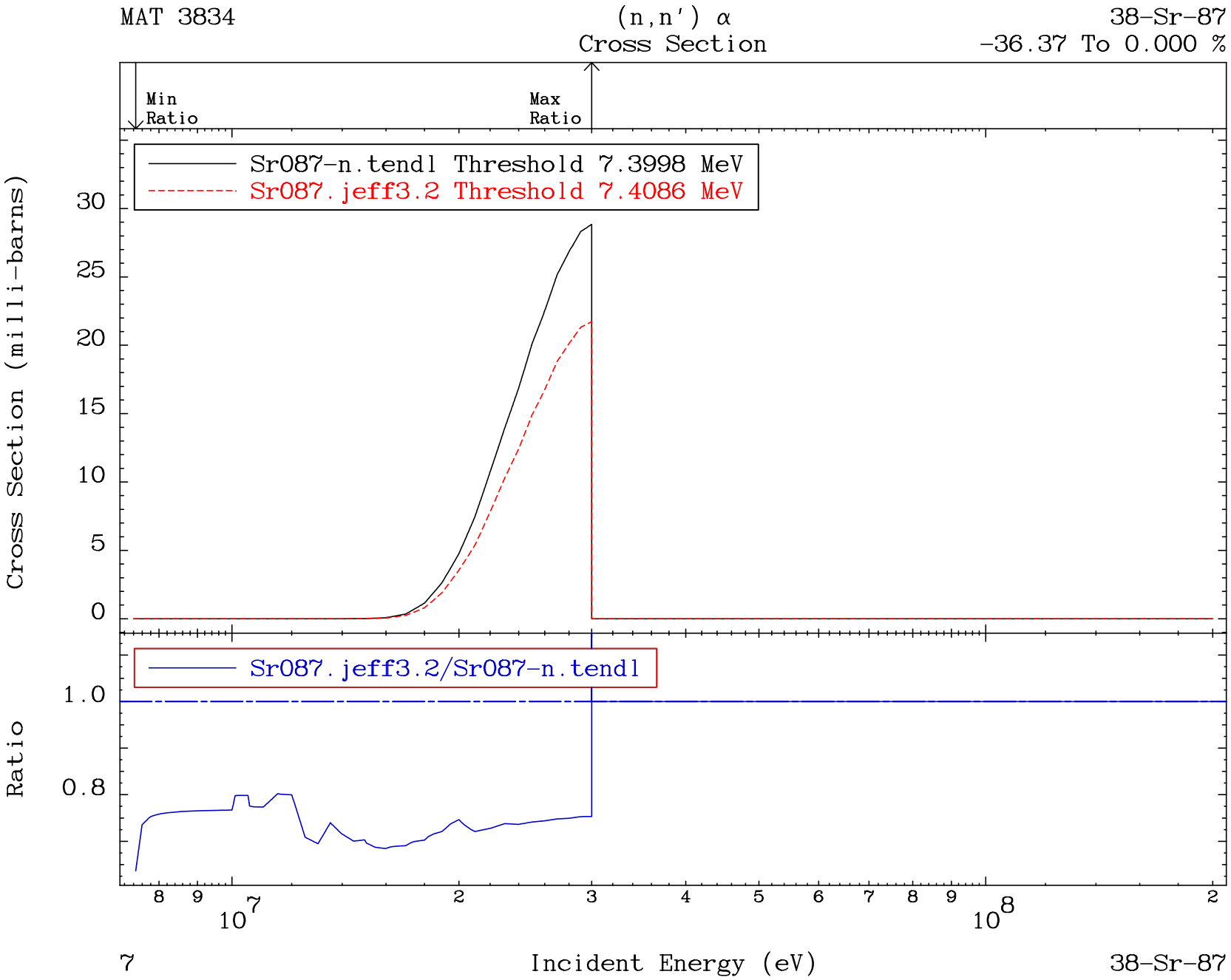

MAT 3834
Elastic
Cross Section
38-Sr-87
-89.69 To 723.7 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
2
38-Sr-87

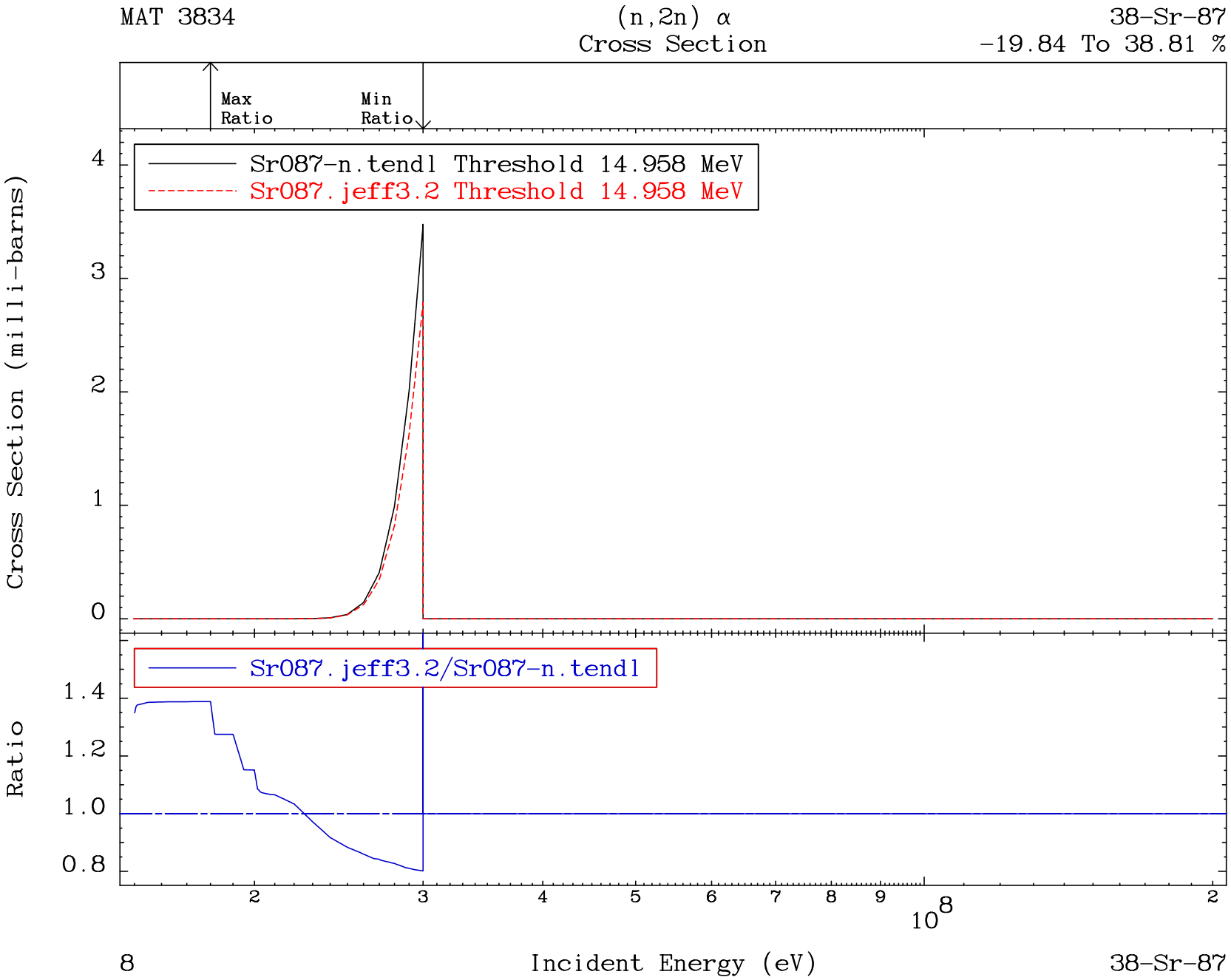

MAT 3834
Inelastic
Cross Section
38-Sr-87
-7.307 To 0.483 %
Max
Ratio
Min
Ratio
Sr087-n.tendl Threshold 393.04 keV
Sr087.jeff3.2 Threshold 393.04 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.00
0.96
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
38-Sr-87

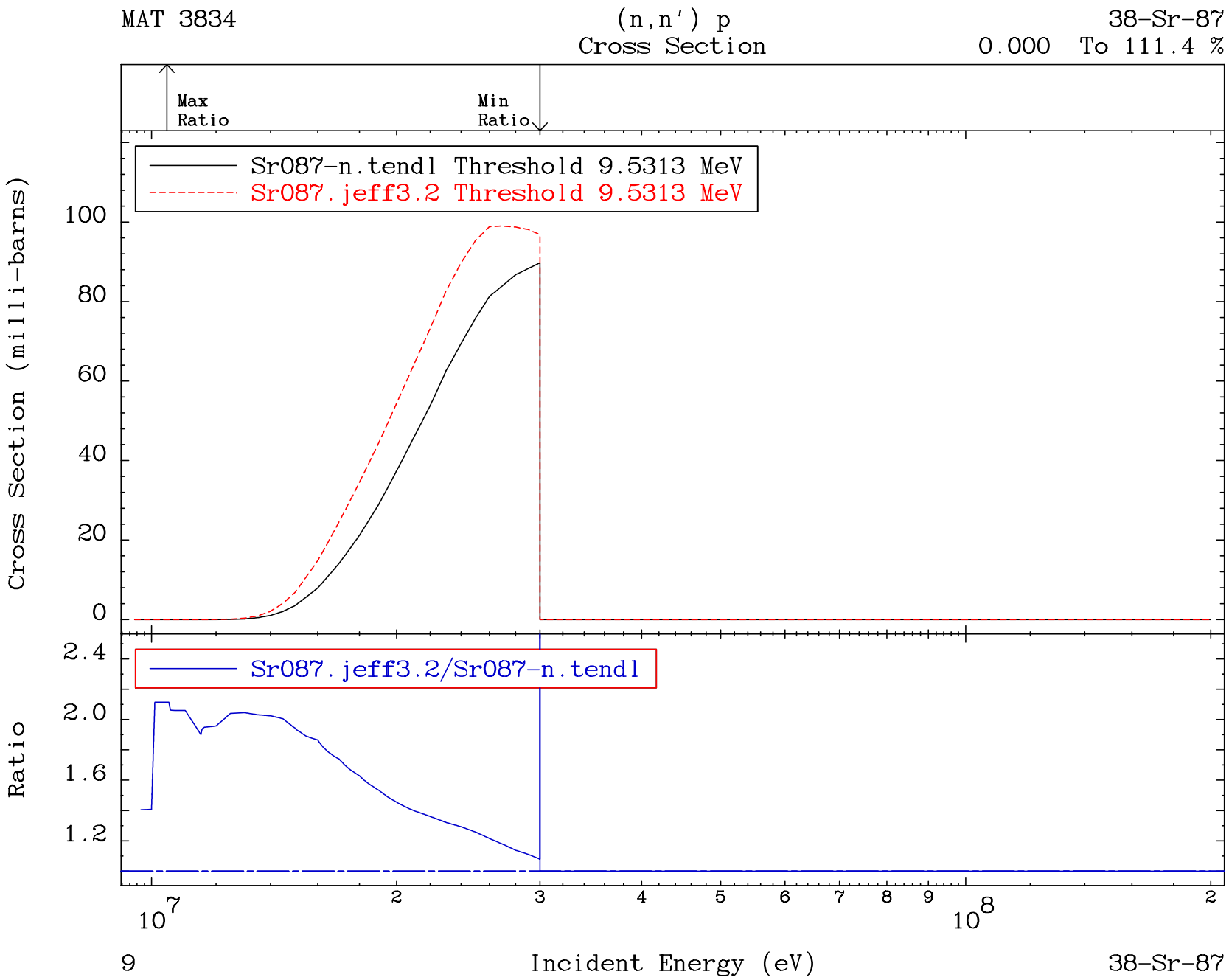

MAT 3834
(n,2n) d
Cross Section
38-Sr-87
0.000 To 58.55 %
Min
Ratio
Sr087-n.tendl Threshold 26.634 MeV
Sr087.jeff3.2 Threshold 26.643 MeV
Cross Section (10^-9 barns)
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.4
1.2
1.0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
38-Sr-87

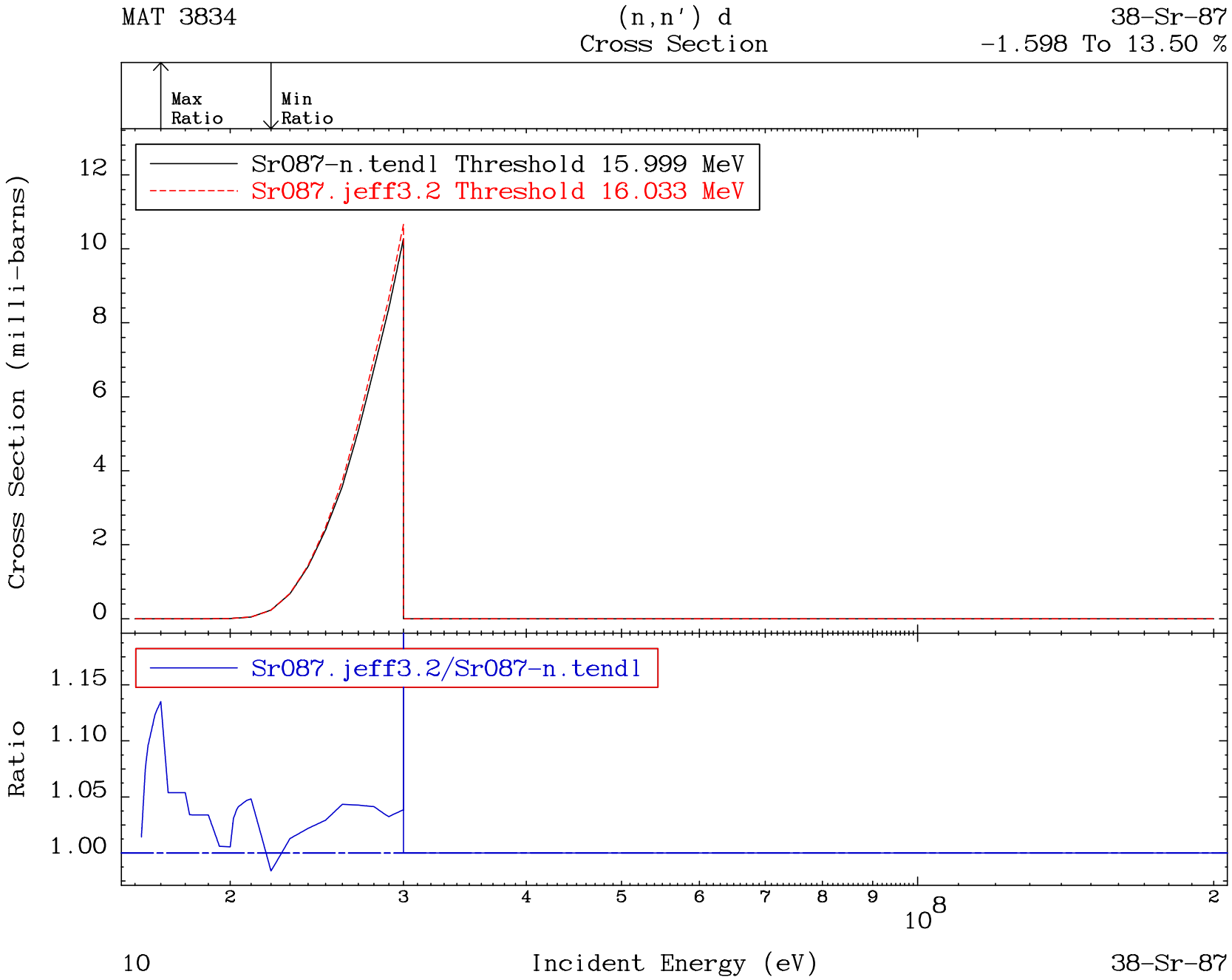

MAT 3834
(n,2n)
Cross Section
38-Sr-87
-2.258 To 10.12 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 8.5260 MeV
Sr087.jeff3.2 Threshold 8.5260 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.10
1.05
1.00
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
38-Sr-87

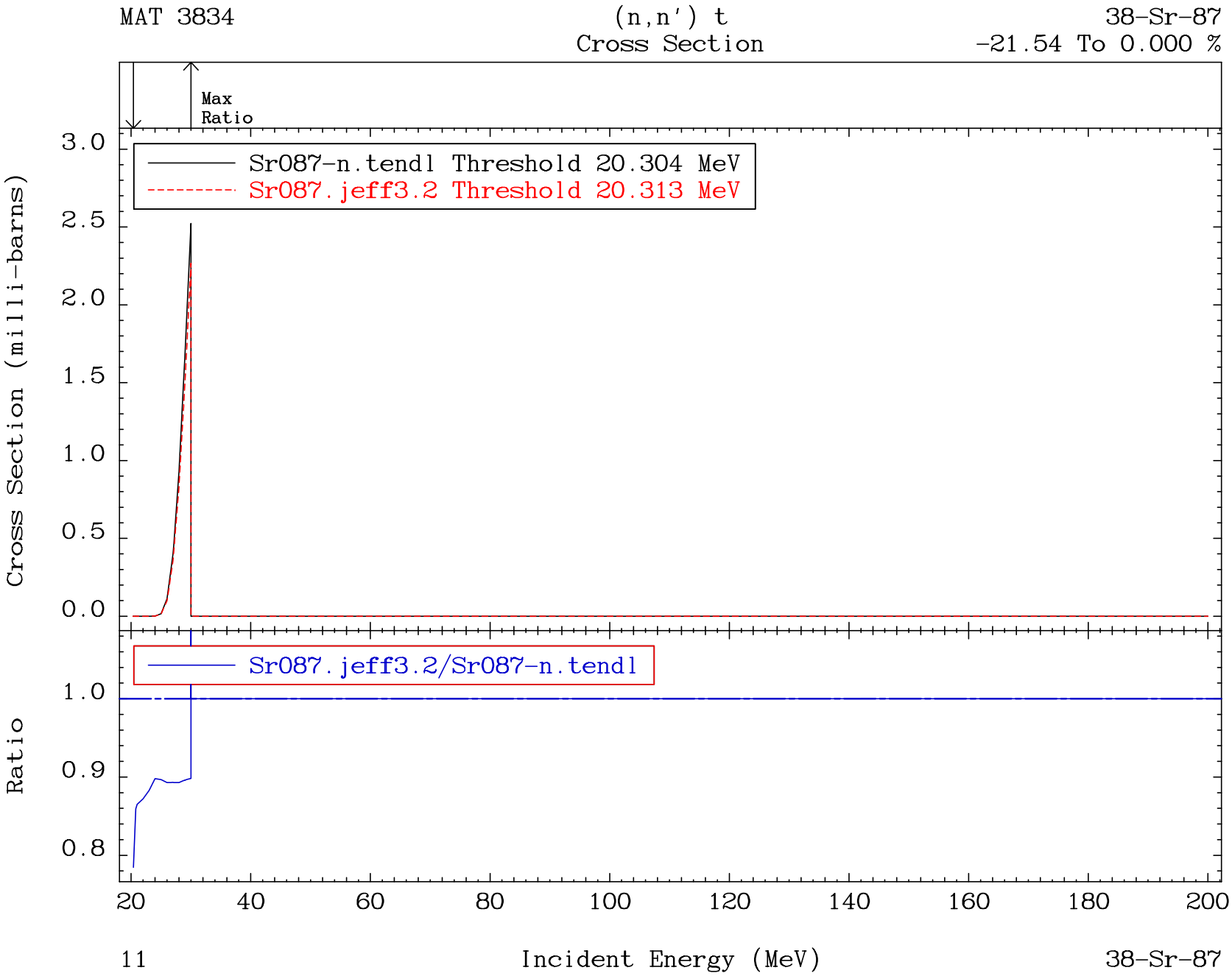

MAT 3834
(n,3n)
Cross Section
38-Sr-87
0.000 To 27.96 %
Min
Ratio
Sr087-n.tendl Threshold 20.151 MeV
Sr087.jeff3.2 Threshold 20.151 MeV
Cross Section (milli-barns)
600
400
200
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.3
1.2
1.1
1.0
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
38-Sr-87

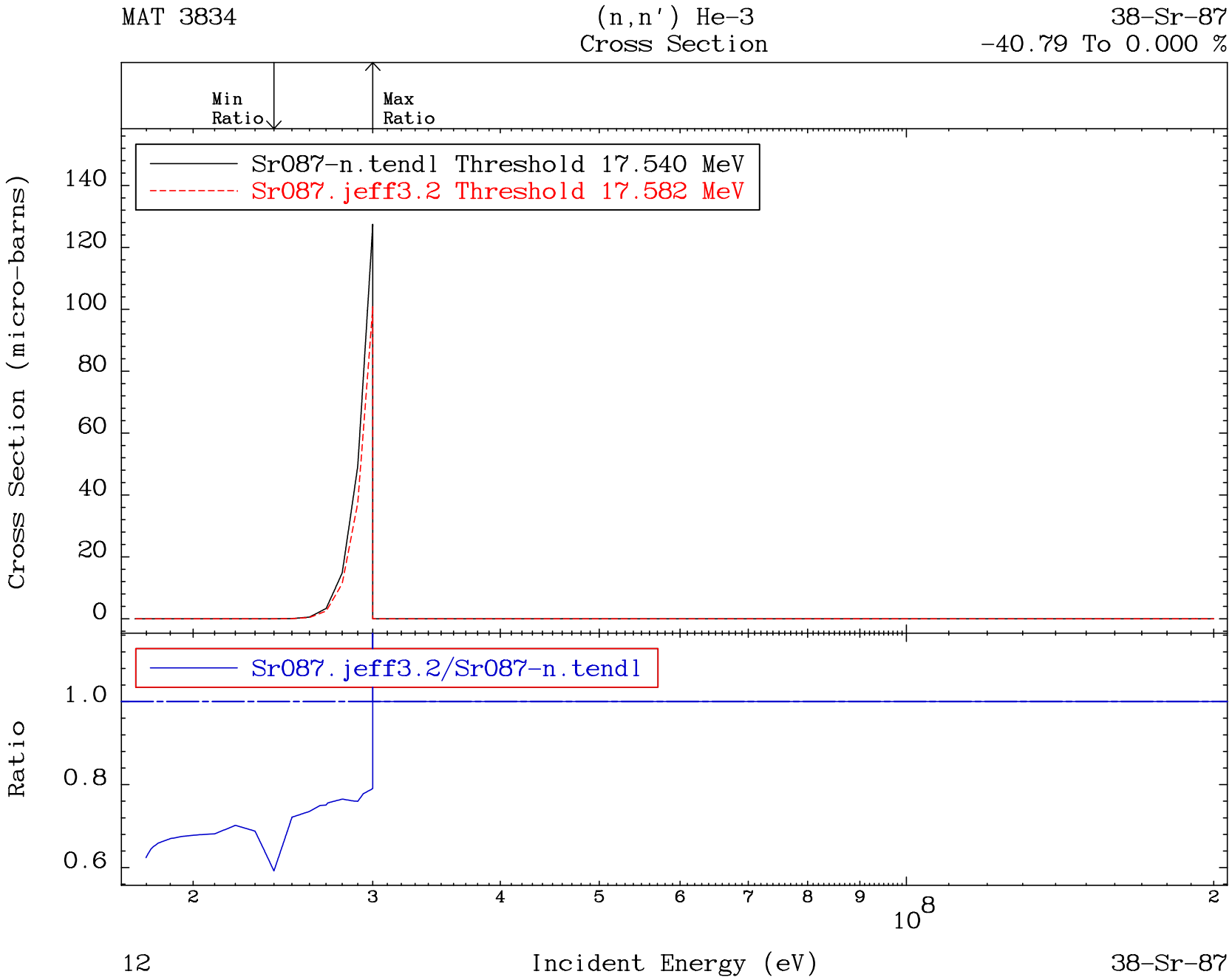

MAT 3834
(n,n') α
Cross Section
38-Sr-87
-36.37 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 7.3998 MeV
Sr087.jeff3.2 Threshold 7.4086 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
38-Sr-87

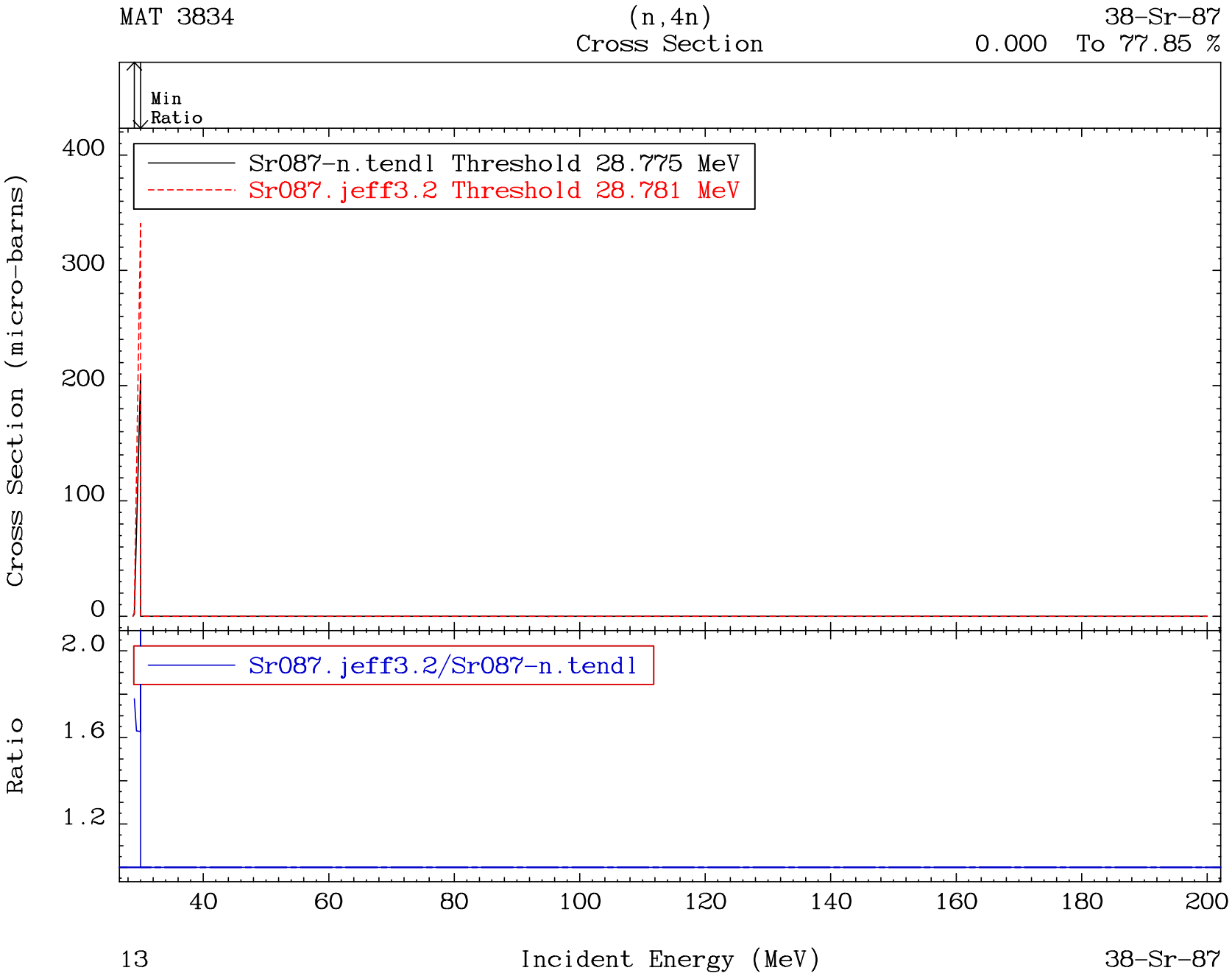

MAT 3834
(n,2n) α
Cross Section
38-Sr-87
-19.84 To 38.81 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 14.958 MeV
Sr087.jeff3.2 Threshold 14.958 MeV
Cross Section (milli-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
8
38-Sr-87

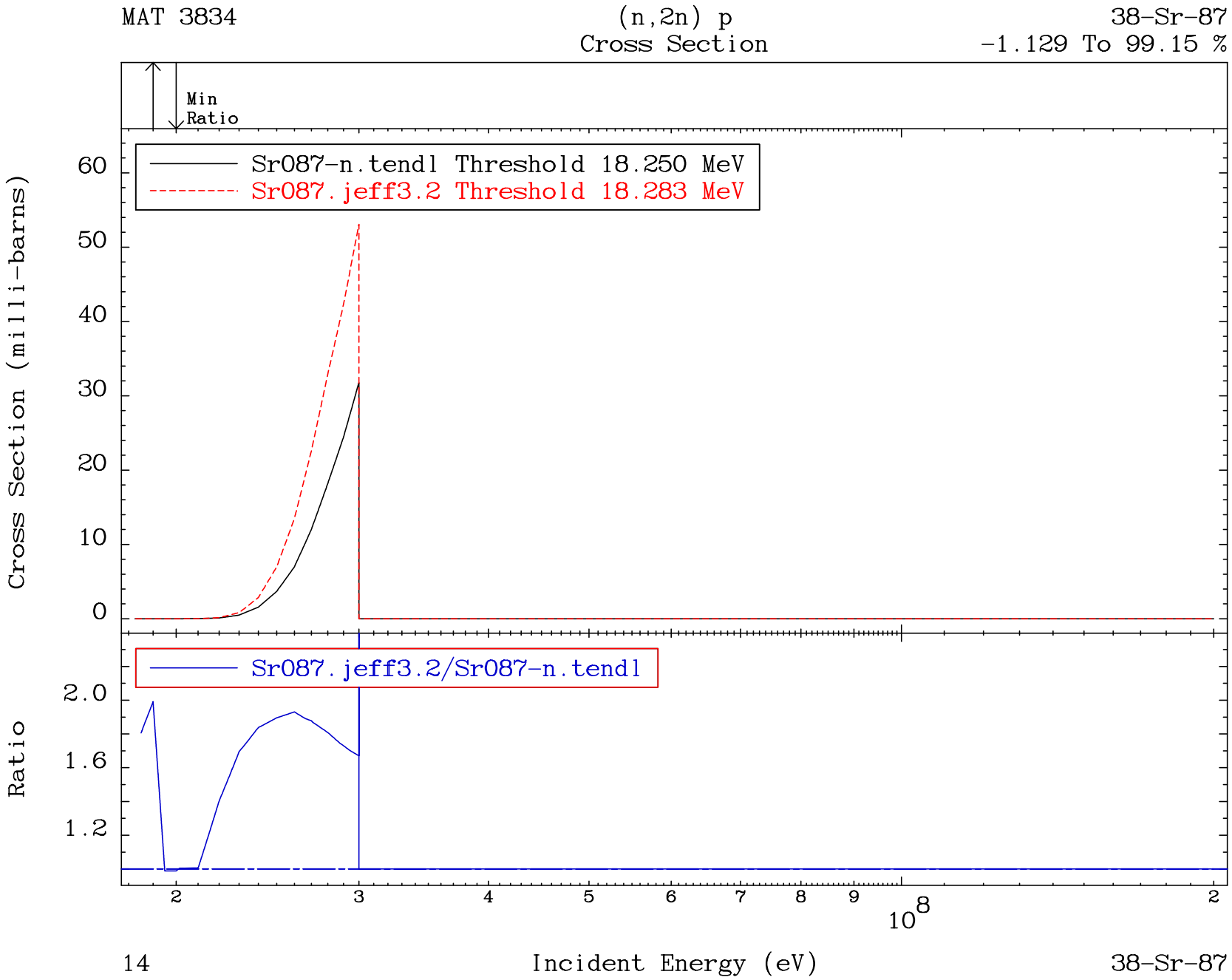

MAT 3834
(n,n') p
Cross Section
38-Sr-87
0.000 To 111.4 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 9.5313 MeV
Sr087.jeff3.2 Threshold 9.5313 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.4
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
38-Sr-87

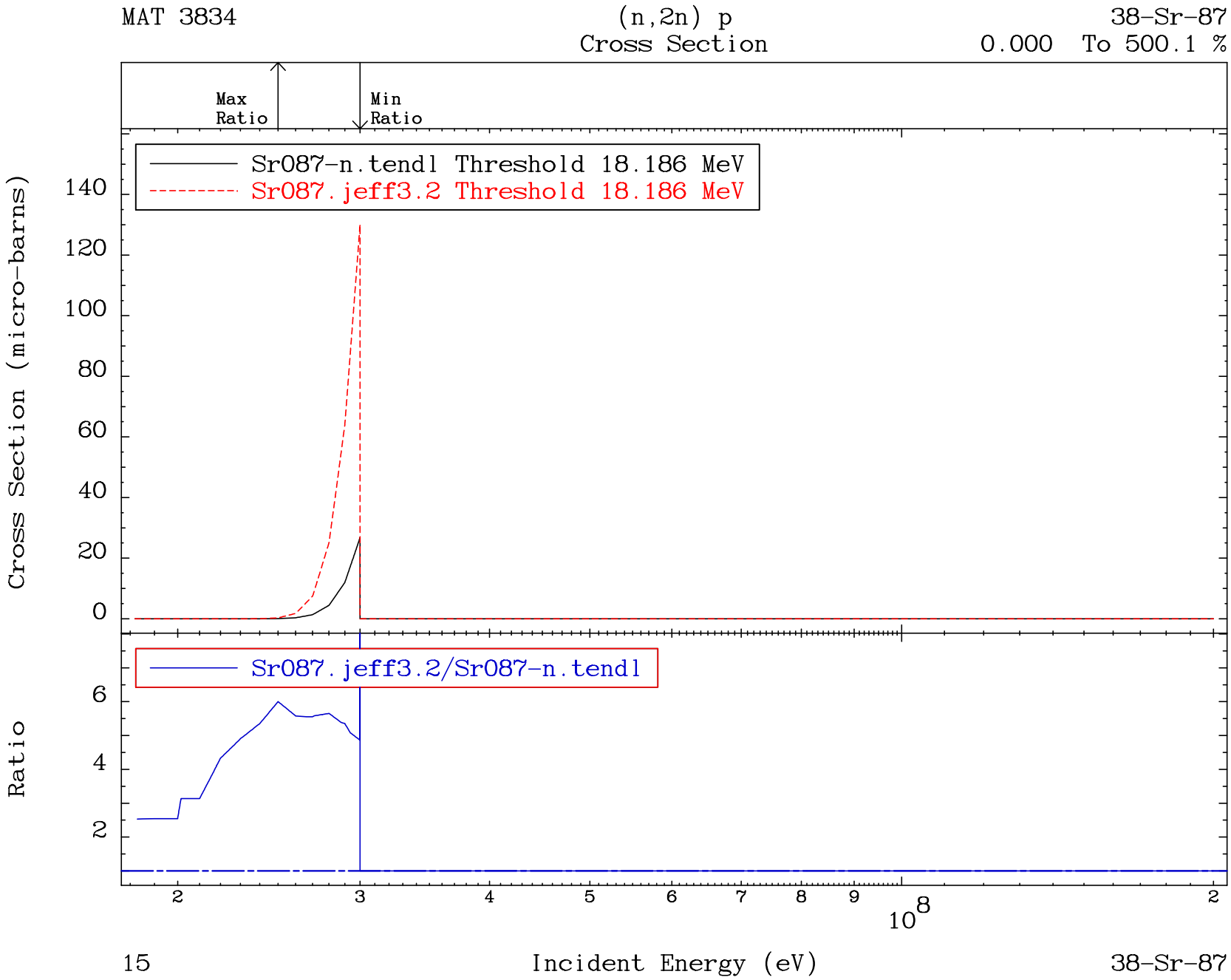

MAT 3834
(n,n') d
Cross Section
38-Sr-87
-1.598 To 13.50 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 15.999 MeV
Sr087.jeff3.2 Threshold 16.033 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.00
1.05
1.10
1.15
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
38-Sr-87

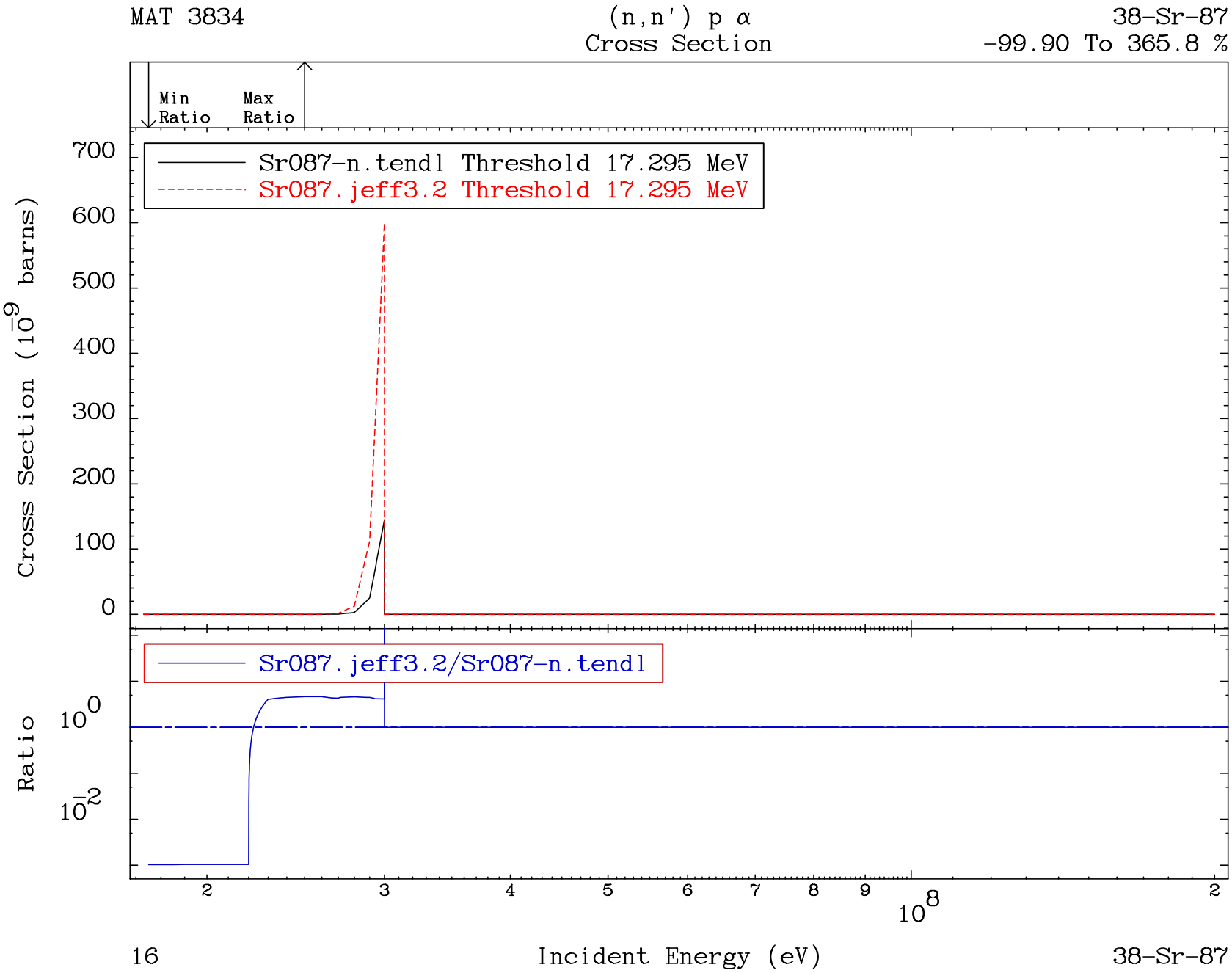

MAT 3834
(n,n') t
Cross Section
38-Sr-87
-21.54 To 0.000 %
Max
Ratio
Sr087-n.tendl Threshold 20.304 MeV
Sr087.jeff3.2 Threshold 20.313 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.9
0.8
20
40
60
80
100
120
140
160
180
200
11
Incident Energy (MeV)
38-Sr-87

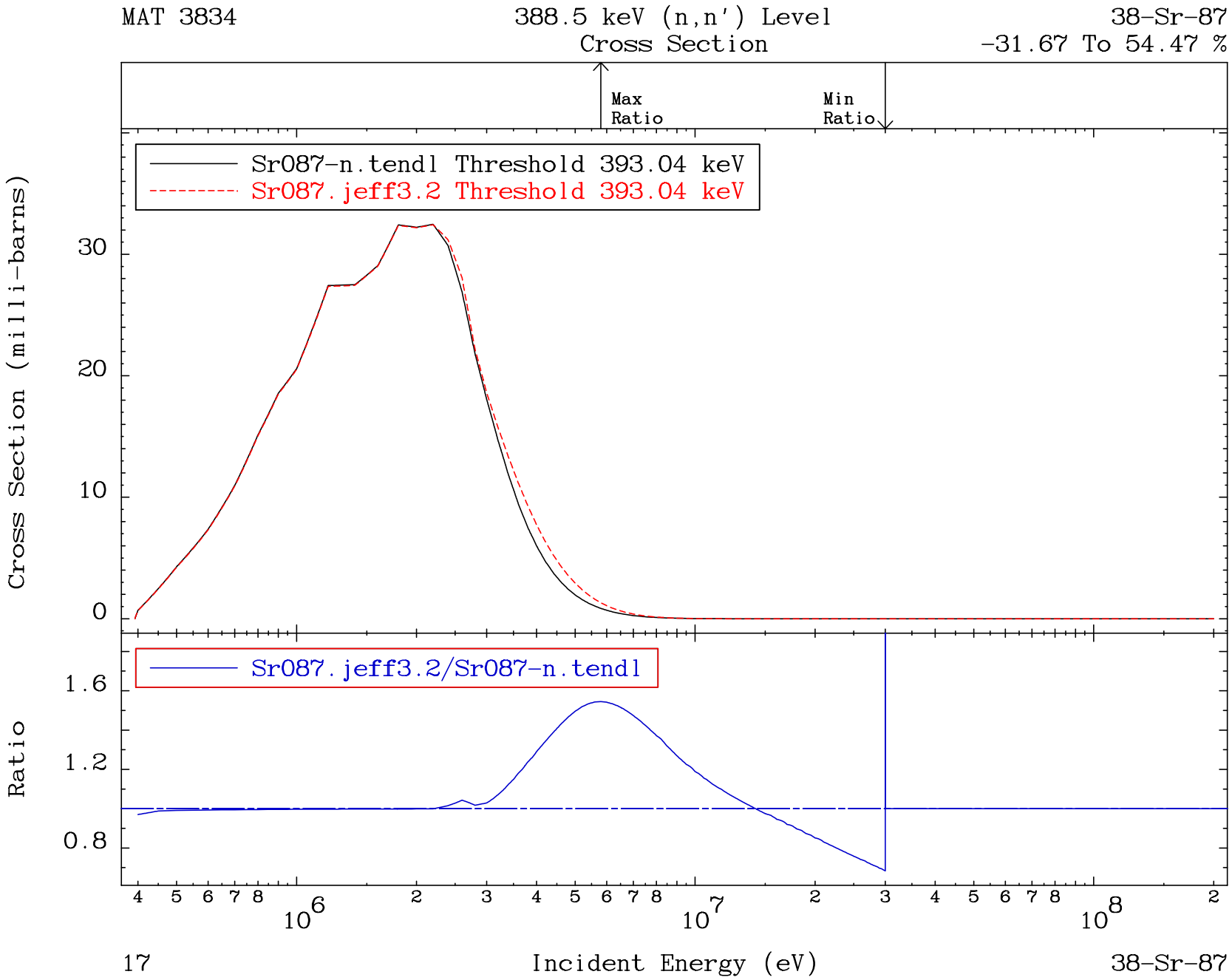

MAT 3834
(n,n') He-3
Cross Section
38-Sr-87
-40.79 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 17.540 MeV
Sr087.jeff3.2 Threshold 17.582 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
38-Sr-87

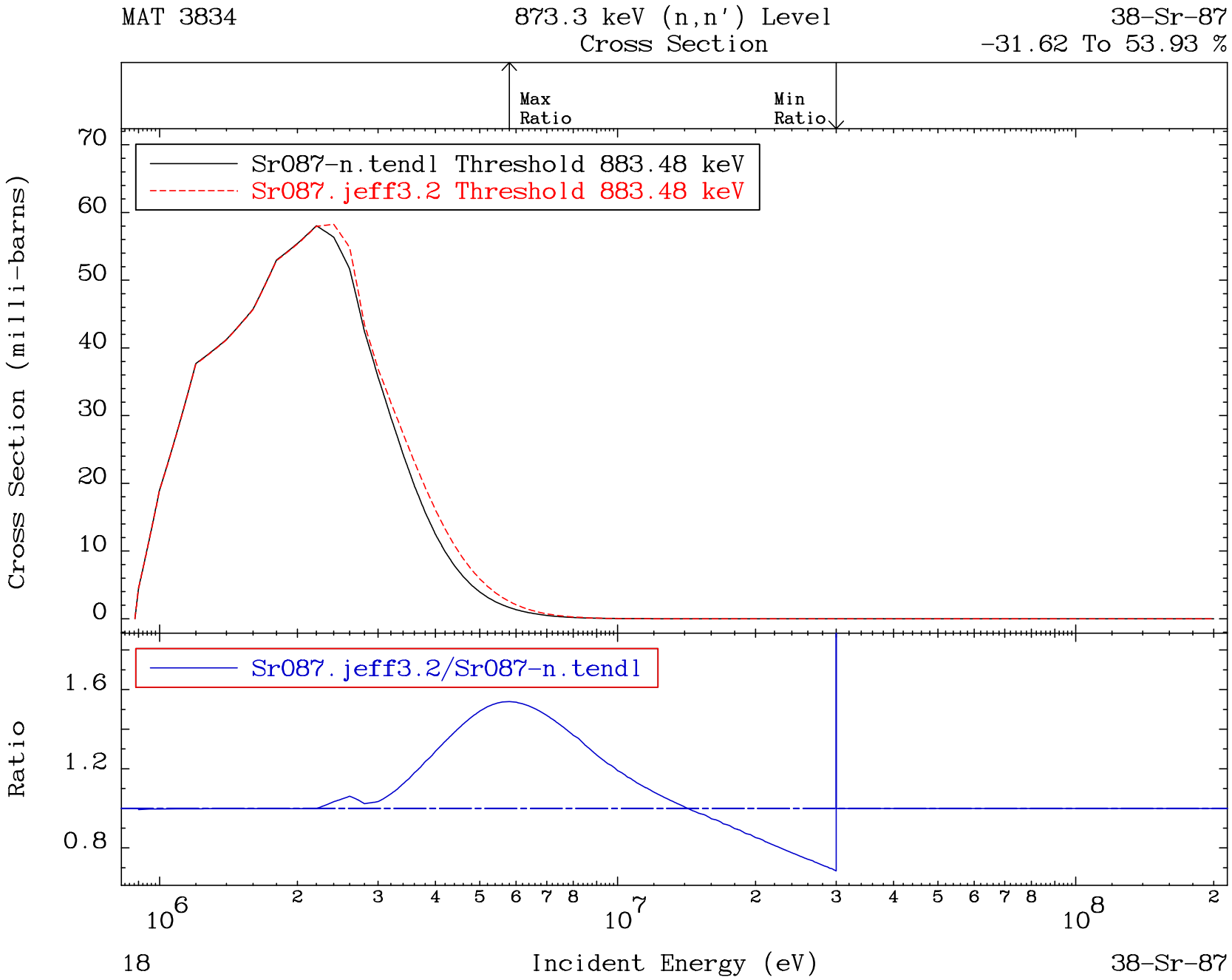

MAT 3834
(n,4n)
Cross Section
38-Sr-87
0.000 To 77.85 %
Min
Ratio
Sr087-n.tendl Threshold 28.775 MeV
Sr087.jeff3.2 Threshold 28.781 MeV
Sr087.jeff3.2/Sr087-n.tendl
Cross Section (micro-barns)
Ratio
Incident Energy (MeV)
13
38-Sr-87

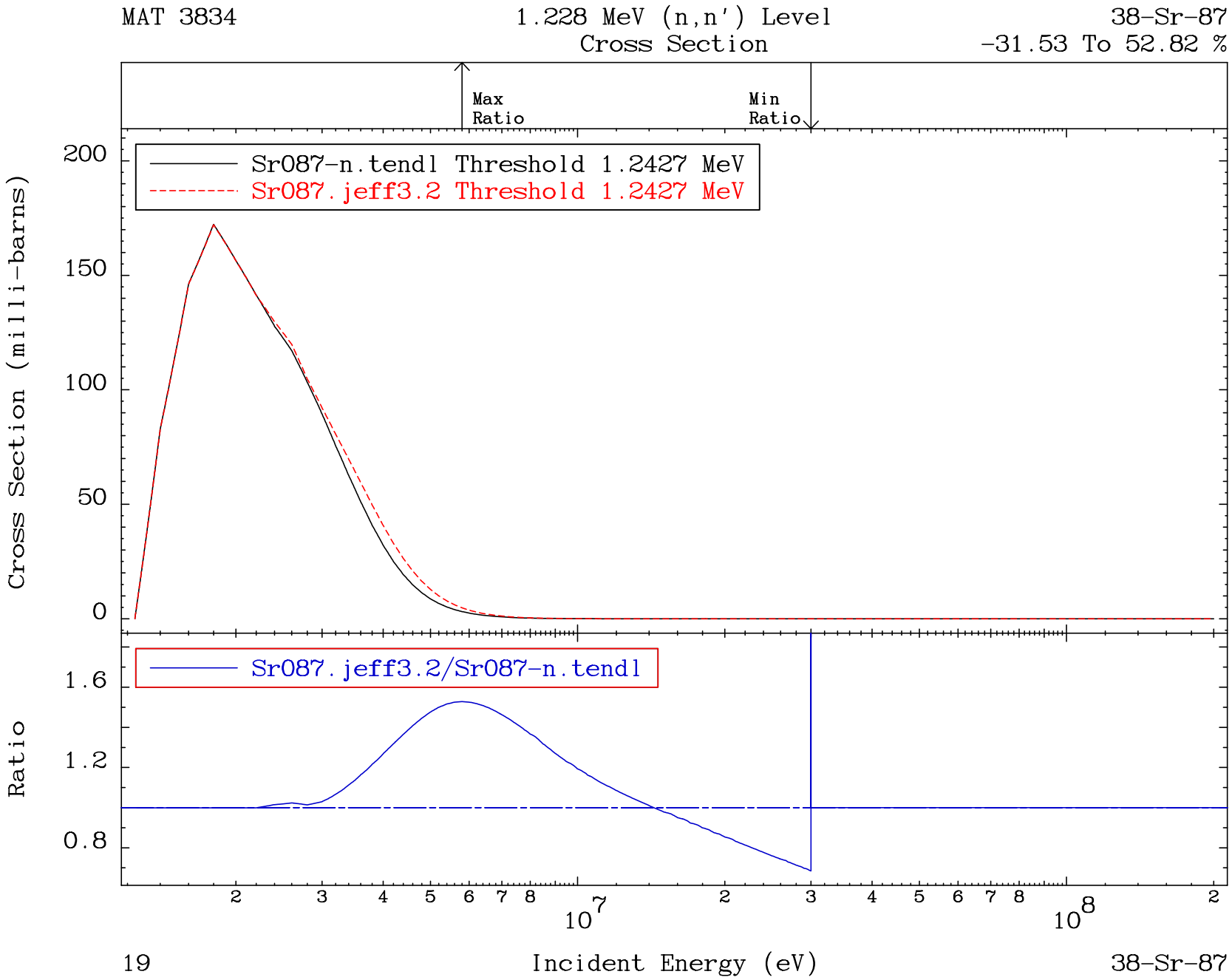

MAT 3834
(n,2n) p
Cross Section
38-Sr-87
-1.129 To 99.15 %
Min
Ratio
Sr087-n.tendl Threshold 18.250 MeV
Sr087.jeff3.2 Threshold 18.283 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
38-Sr-87

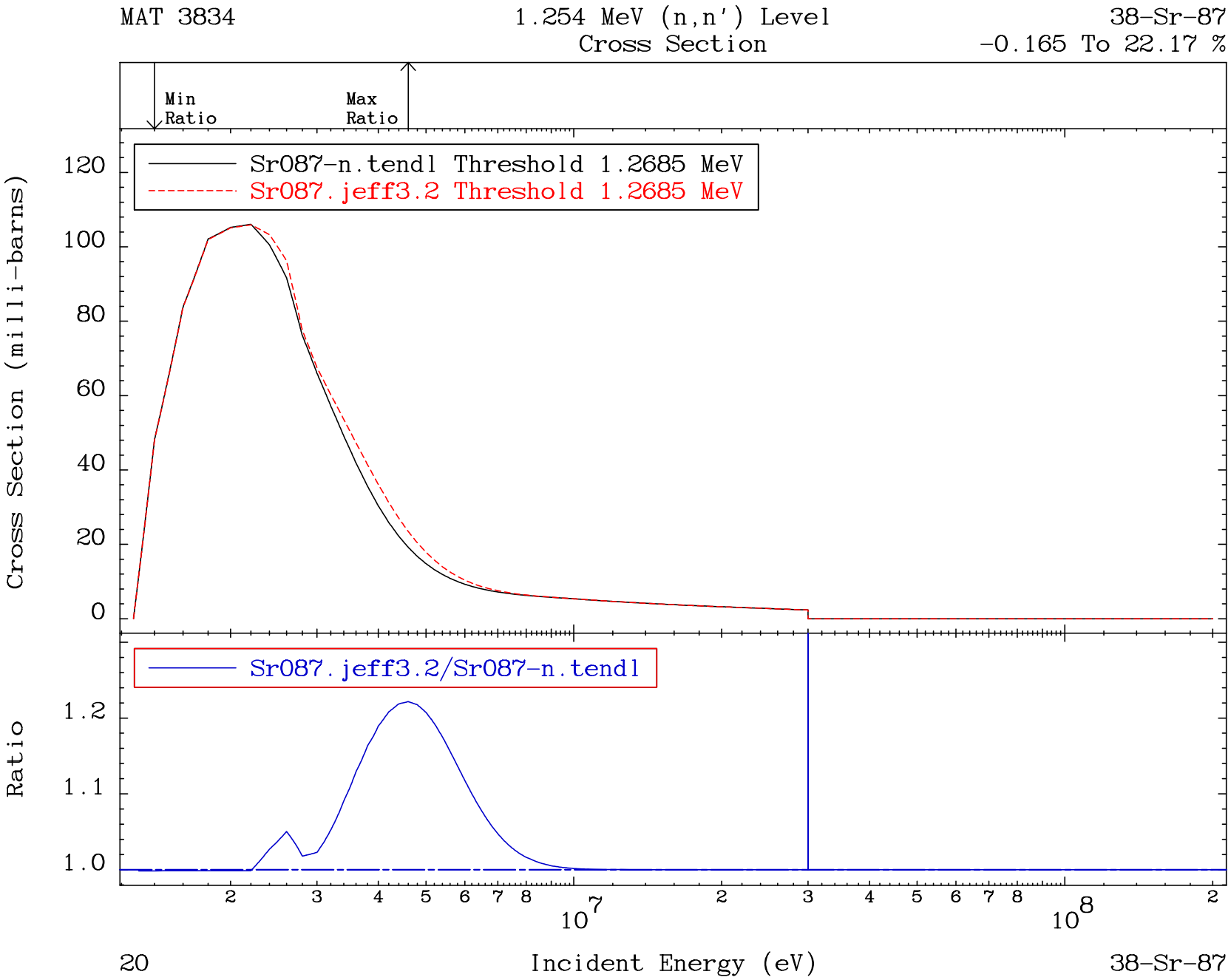

MAT 3834
(n,2n) p
Cross Section
38-Sr-87
0.000 To 500.1 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 18.186 MeV
Sr087.jeff3.2 Threshold 18.186 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
38-Sr-87

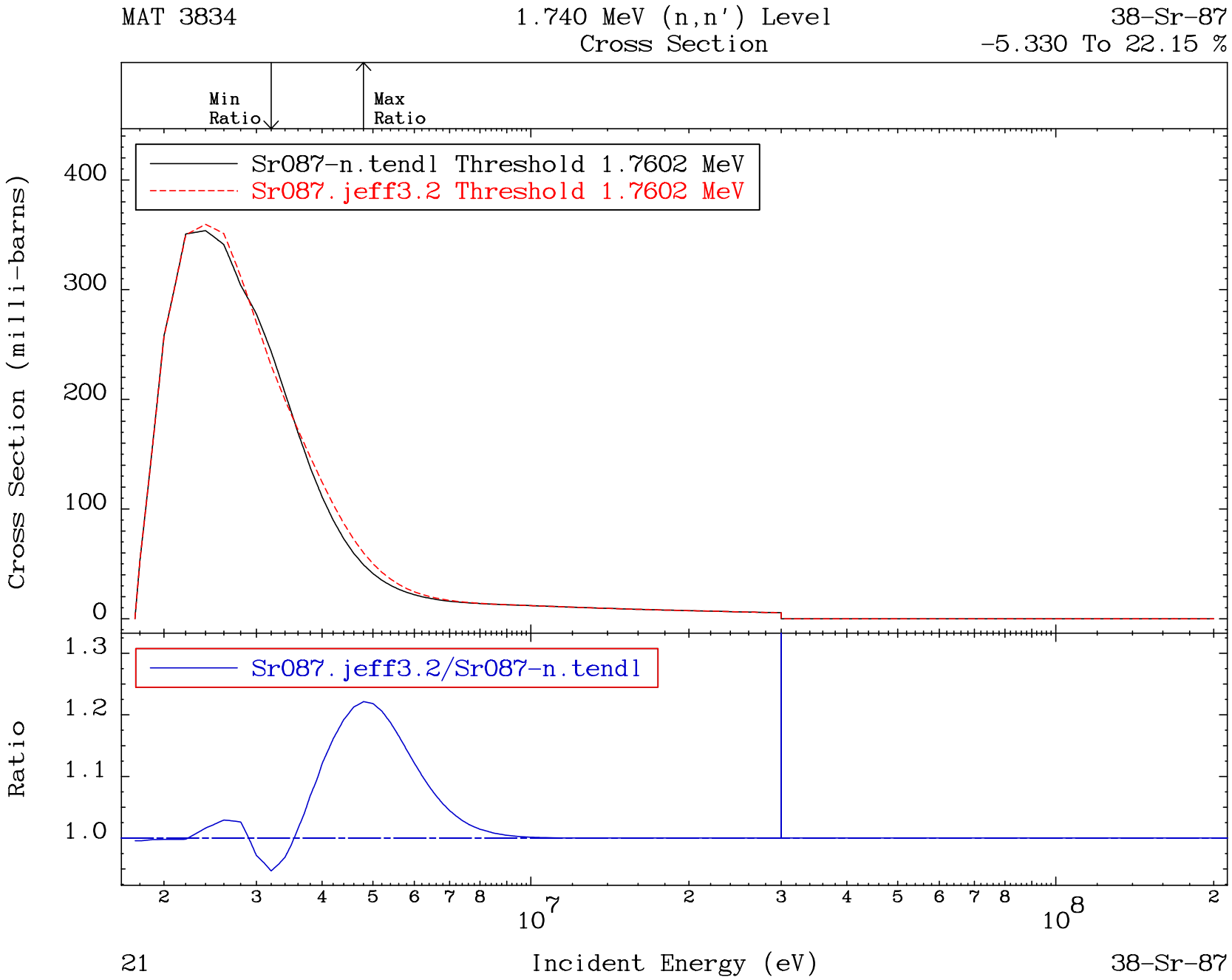

MAT 3834
(n,n') p α
Cross Section
38-Sr-87
-99.90 To 365.8 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 17.295 MeV
Sr087.jeff3.2 Threshold 17.295 MeV
Cross Section (10^-9 barns)
700
600
500
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
38-Sr-87

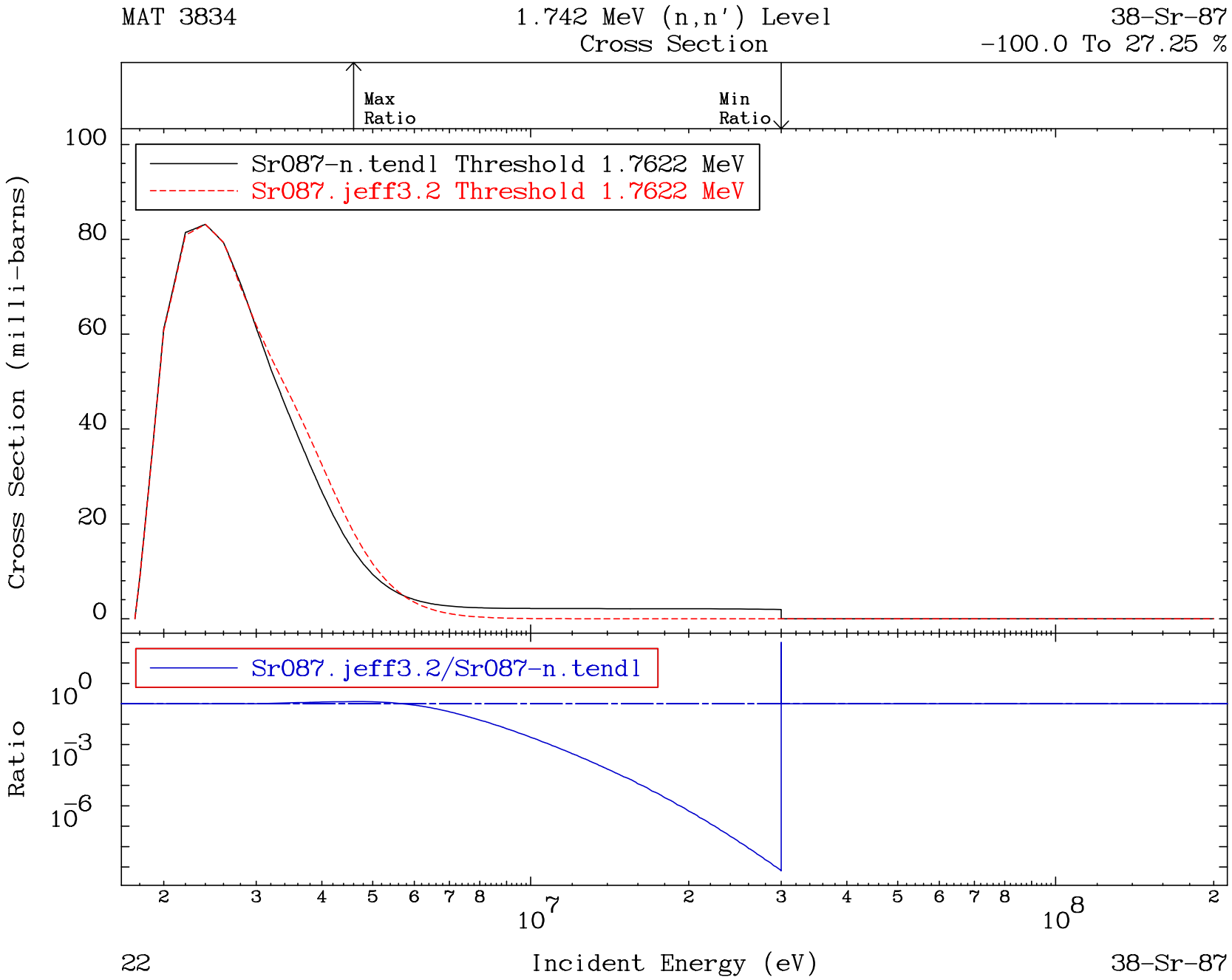

MAT 3834
388.5 keV (n,n') Level
Cross Section
38-Sr-87
-31.67 To 54.47 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 393.04 keV
Sr087.jeff3.2 Threshold 393.04 keV
Cross Section (milli-barns)
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
38-Sr-87

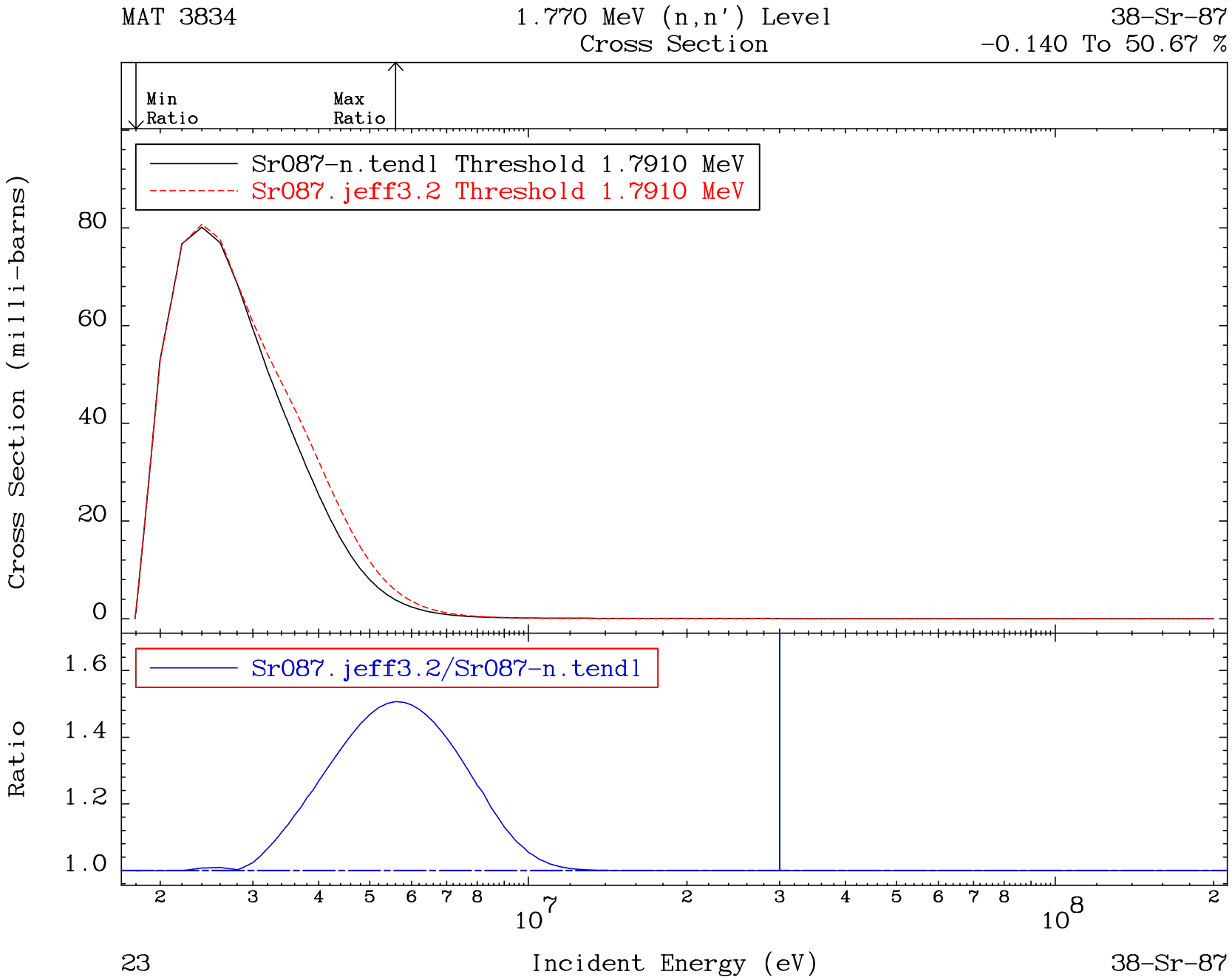

MAT 3834
873.3 keV (n,n') Level
Cross Section
38-Sr-87
-31.62 To 53.93 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 883.48 keV
Sr087.jeff3.2 Threshold 883.48 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
10^6
10^7
10^8
18
Incident Energy (eV)
38-Sr-87

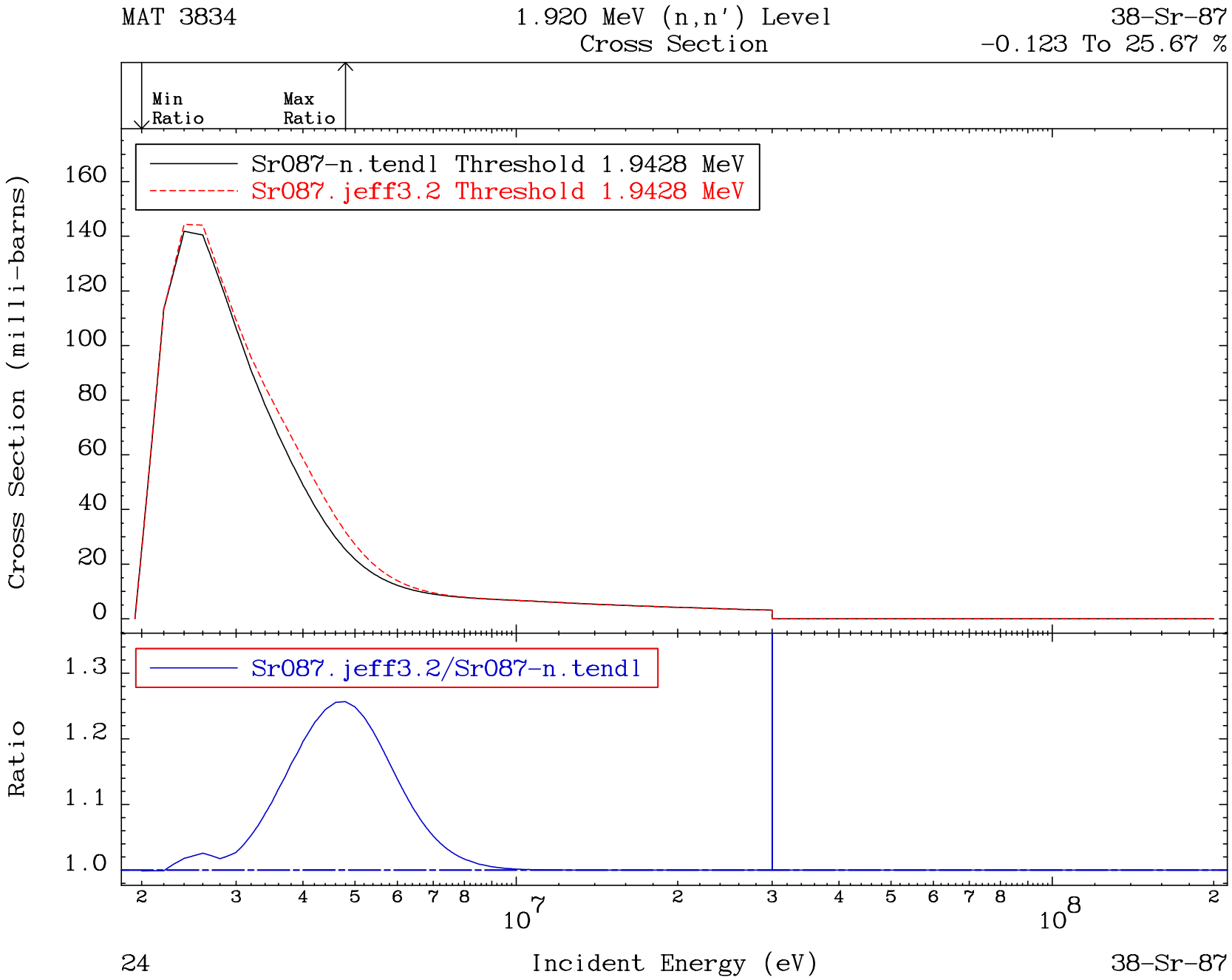

MAT 3834
1.228 MeV (n,n') Level
Cross Section
38-Sr-87
-31.53 To 52.82 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 1.2427 MeV
Sr087.jeff3.2 Threshold 1.2427 MeV
Cross Section (milli-barns)
200
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
38-Sr-87

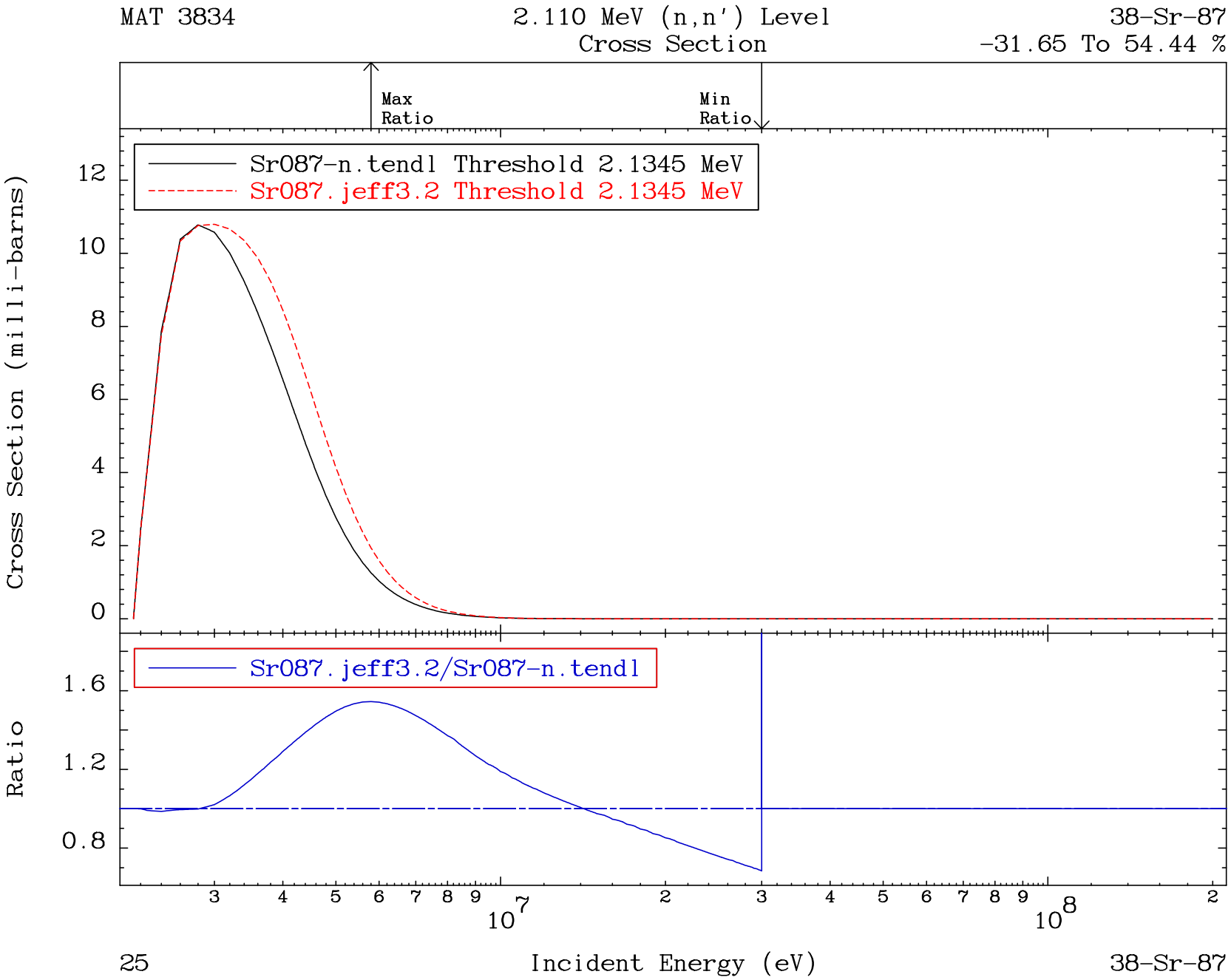

MAT 3834
1.254 MeV (n,n') Level
Cross Section
38-Sr-87
-0.165 To 22.17 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 1.2685 MeV
Sr087.jeff3.2 Threshold 1.2685 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.2
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
38-Sr-87

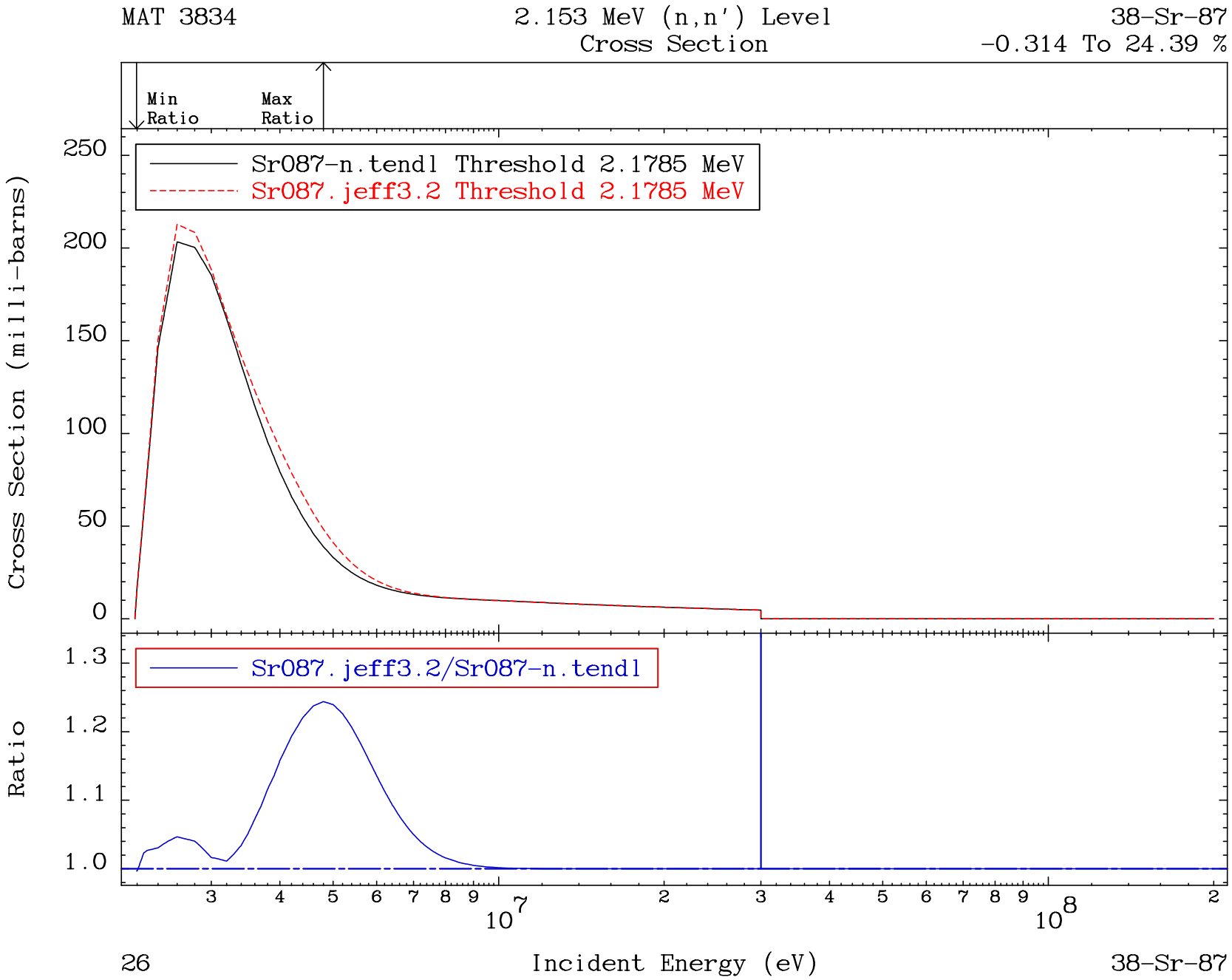

MAT 3834
1.740 MeV (n,n') Level
Cross Section
38-Sr-87
-5.330 To 22.15 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 1.7602 MeV
Sr087.jeff3.2 Threshold 1.7602 MeV
Cross Section (milli-barns)
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.3
1.2
1.1
1.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
38-Sr-87

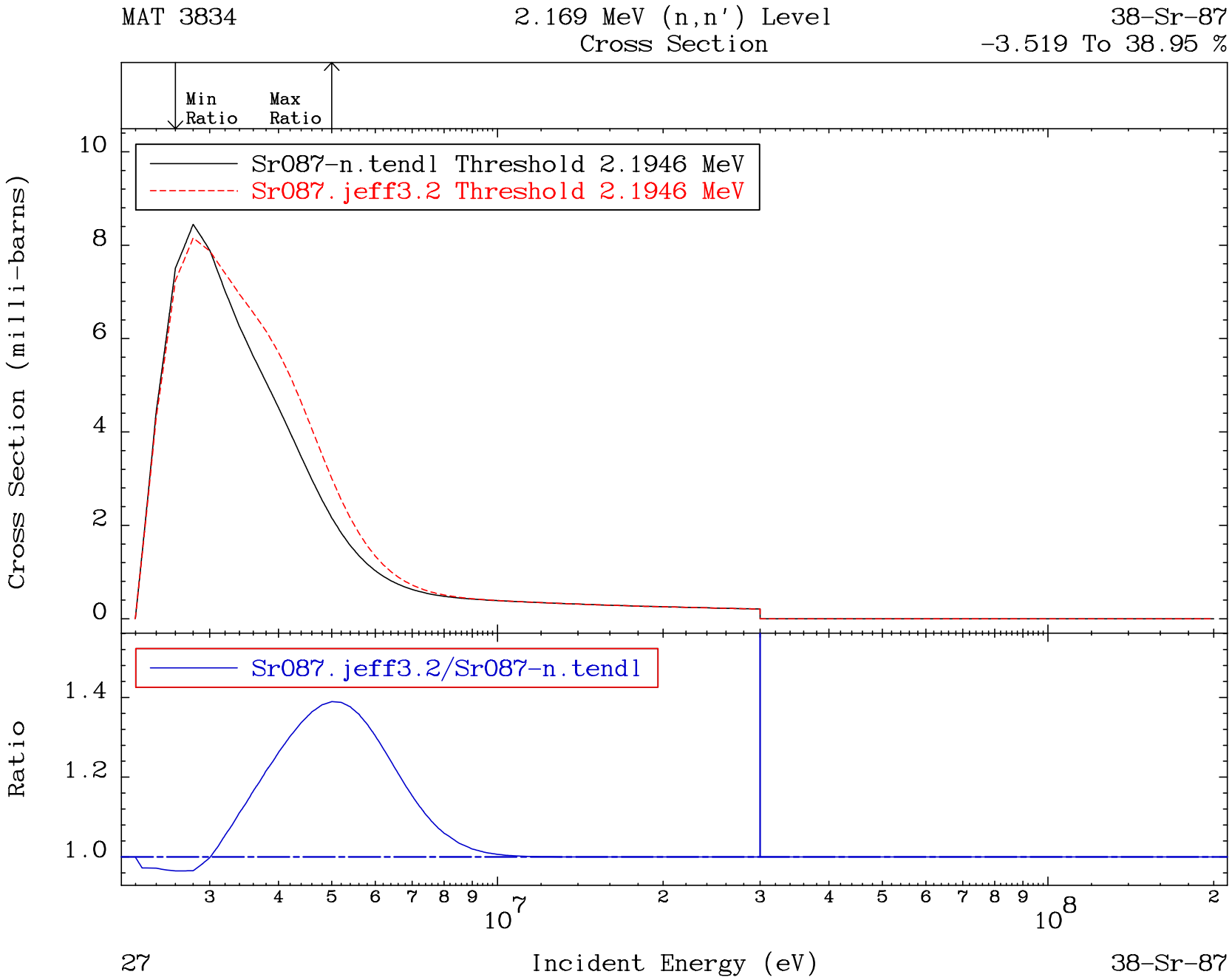

MAT 3834
1.742 MeV (n,n') Level
Cross Section
38-Sr-87
-100.0 To 27.25 %
Max
Ratio
Min
Ratio
Sr087-n.tendl Threshold 1.7622 MeV
Sr087.jeff3.2 Threshold 1.7622 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
10^8
22
Incident Energy (eV)
38-Sr-87

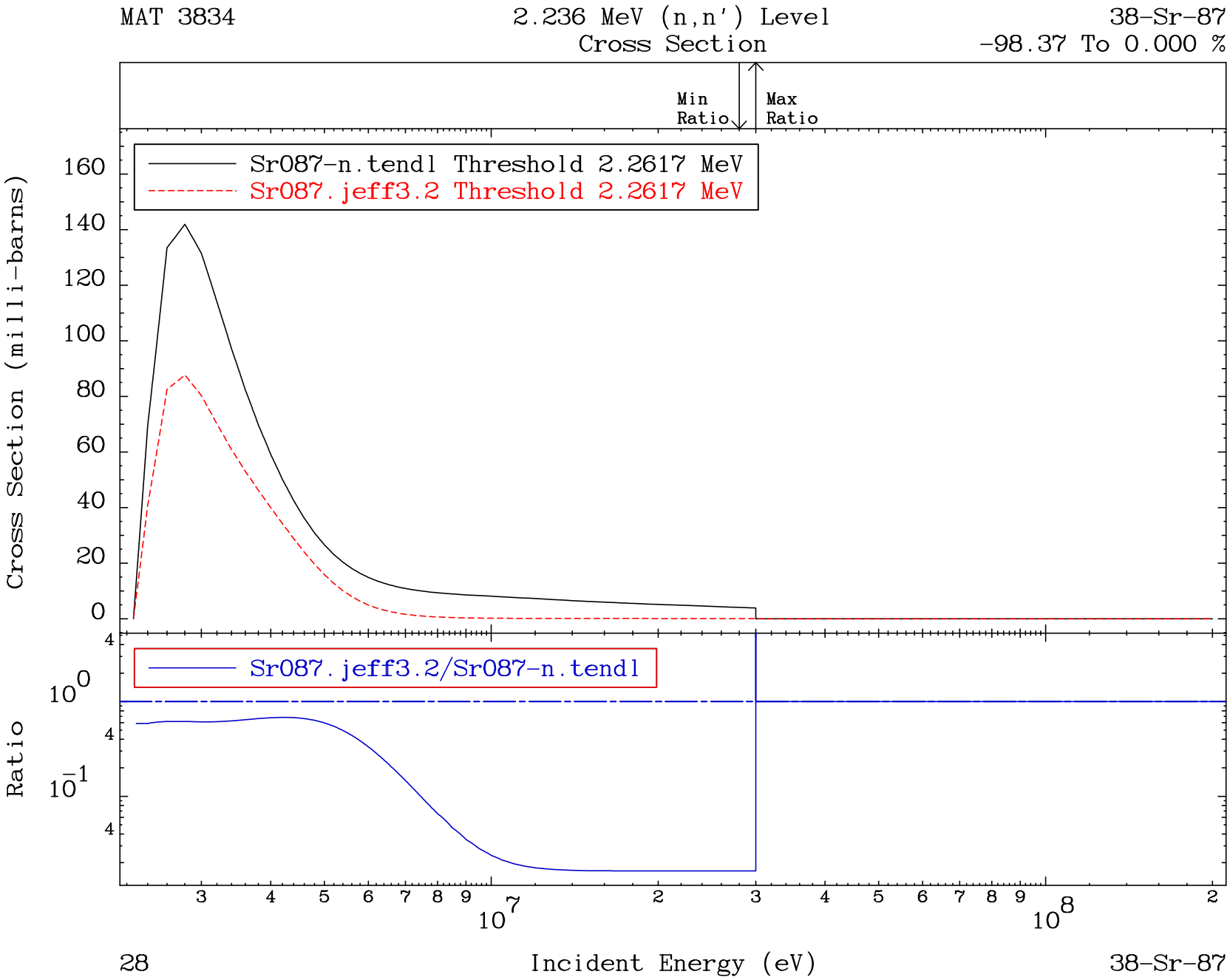

MAT 3834
1.770 MeV (n,n') Level
Cross Section
38-Sr-87
-0.140 To 50.67 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 1.7910 MeV
Sr087.jeff3.2 Threshold 1.7910 MeV
Cross Section (milli-barns)
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.4
1.2
1.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
38-Sr-87

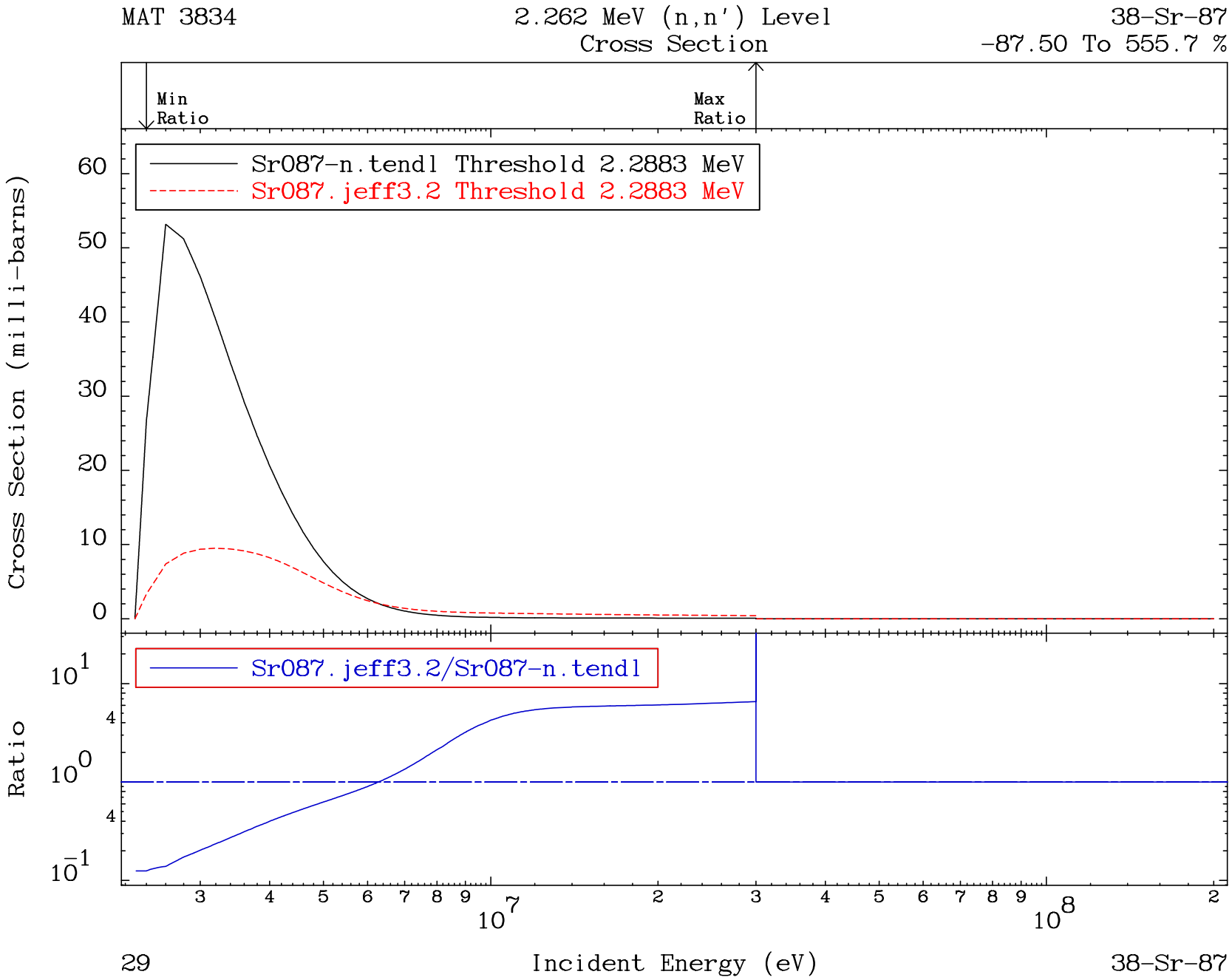

MAT 3834
1.920 MeV (n,n') Level
Cross Section
38-Sr-87
-0.123 To 25.67 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 1.9428 MeV
Sr087.jeff3.2 Threshold 1.9428 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.3
1.2
1.1
1.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
38-Sr-87

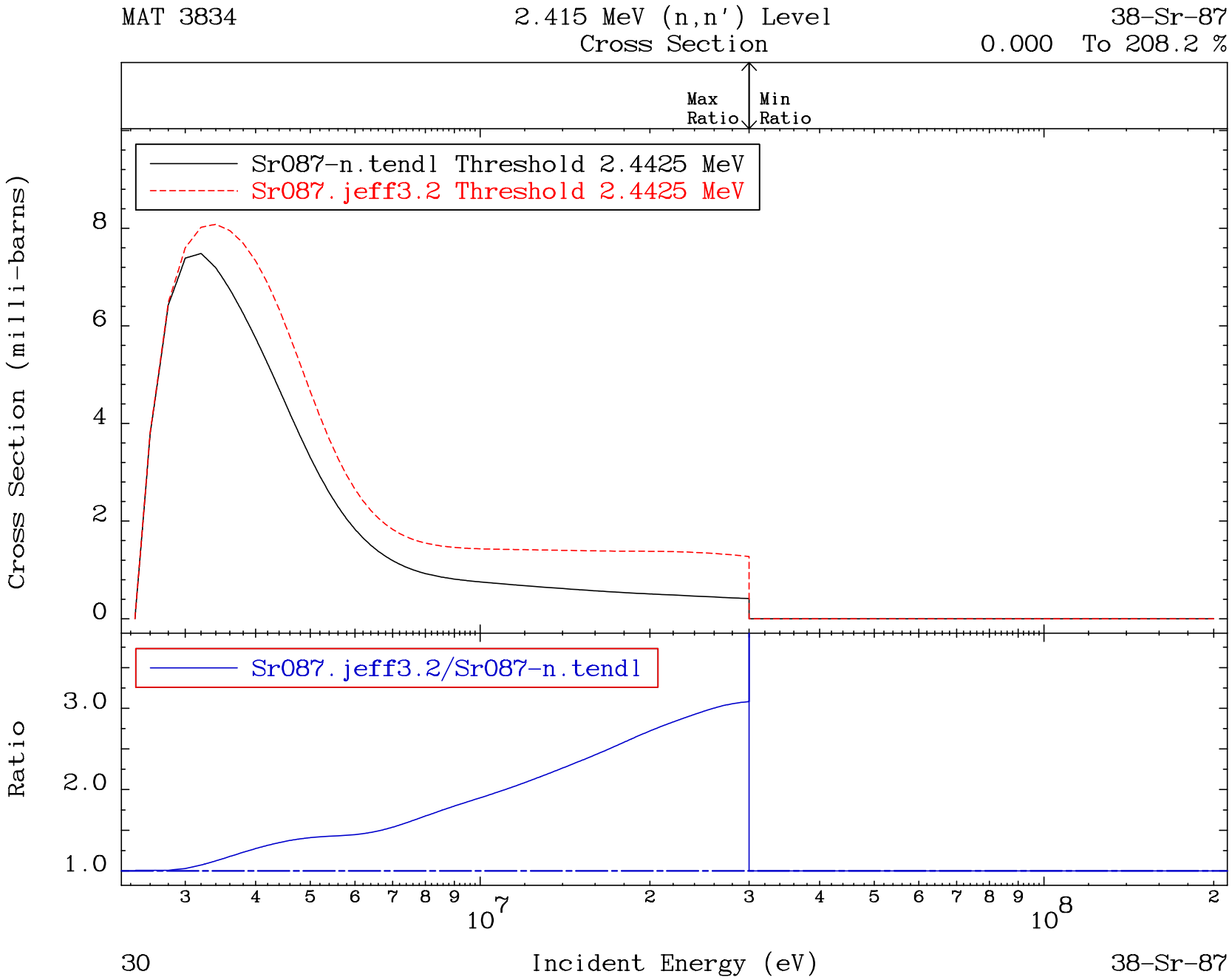

MAT 3834
2.110 MeV (n,n') Level
Cross Section
38-Sr-87
-31.65 To 54.44 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.1345 MeV
Sr087.jeff3.2 Threshold 2.1345 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
38-Sr-87

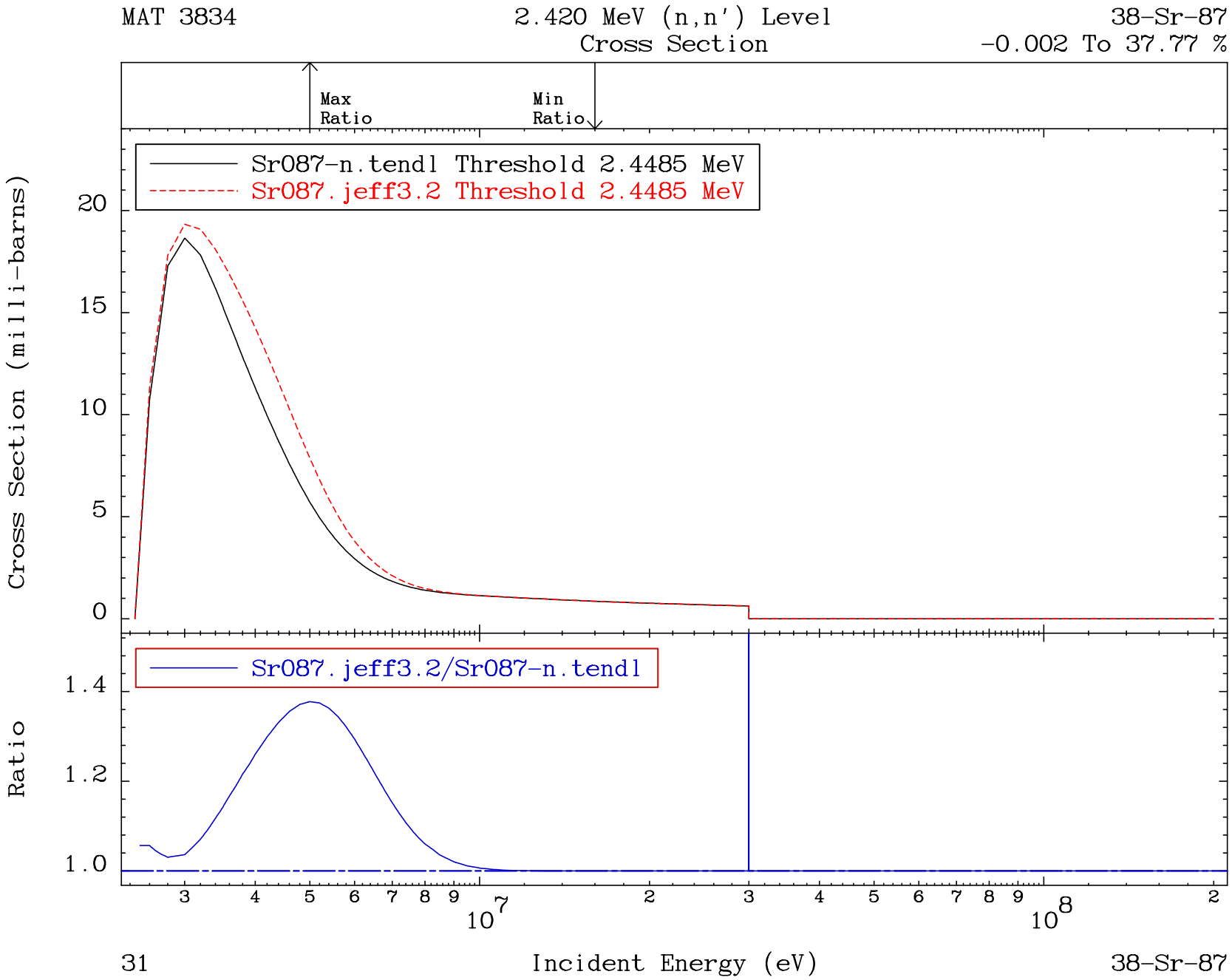

MAT 3834
2.153 MeV (n,n') Level
Cross Section
38-Sr-87
-0.314 To 24.39 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.1785 MeV
Sr087.jeff3.2 Threshold 2.1785 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.3
1.2
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
26
Incident Energy (eV)
38-Sr-87

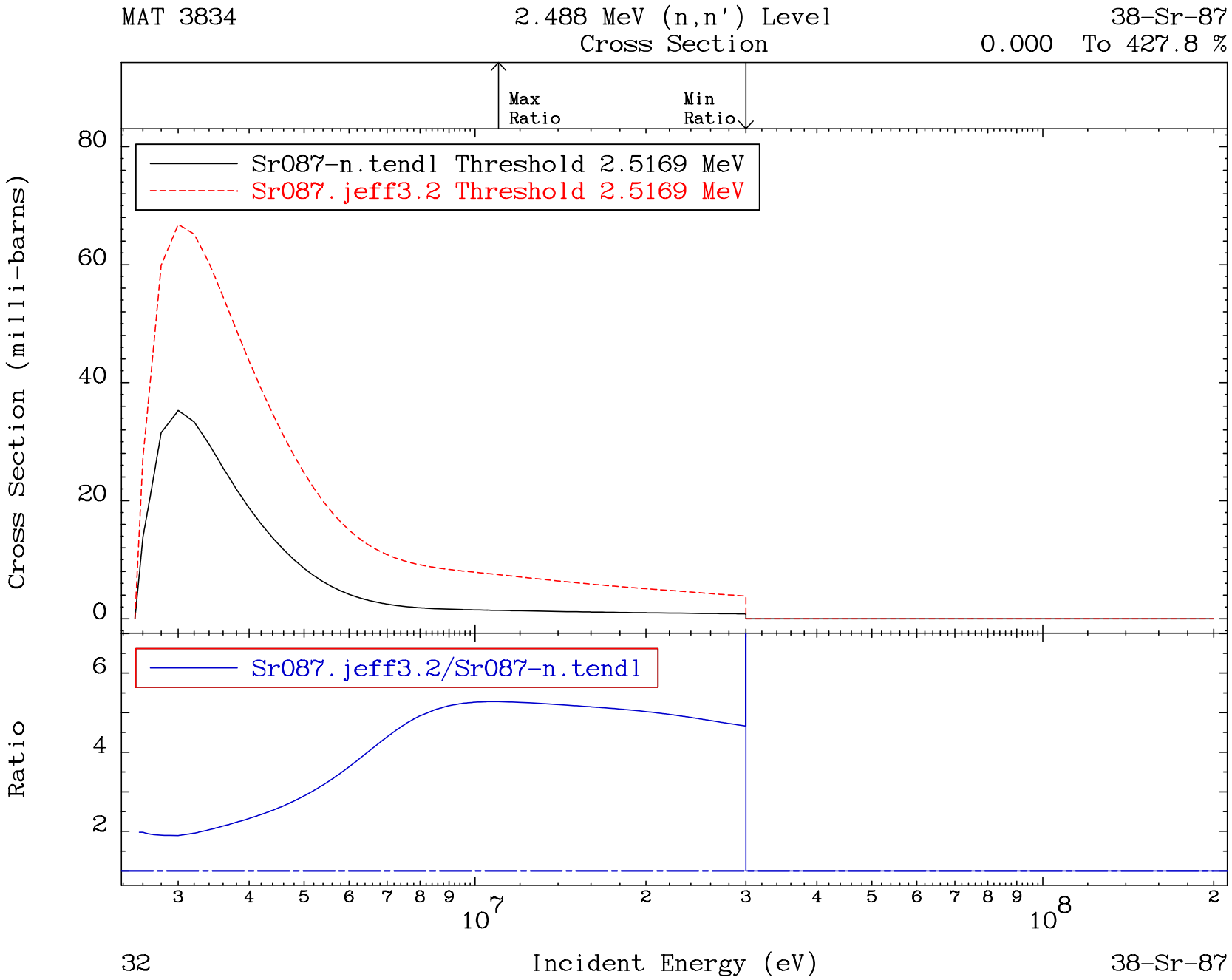

MAT 3834
2.169 MeV (n,n') Level
Cross Section
38-Sr-87
-3.519 To 38.95 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.1946 MeV
Sr087.jeff3.2 Threshold 2.1946 MeV
Cross Section (milli-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
27
38-Sr-87

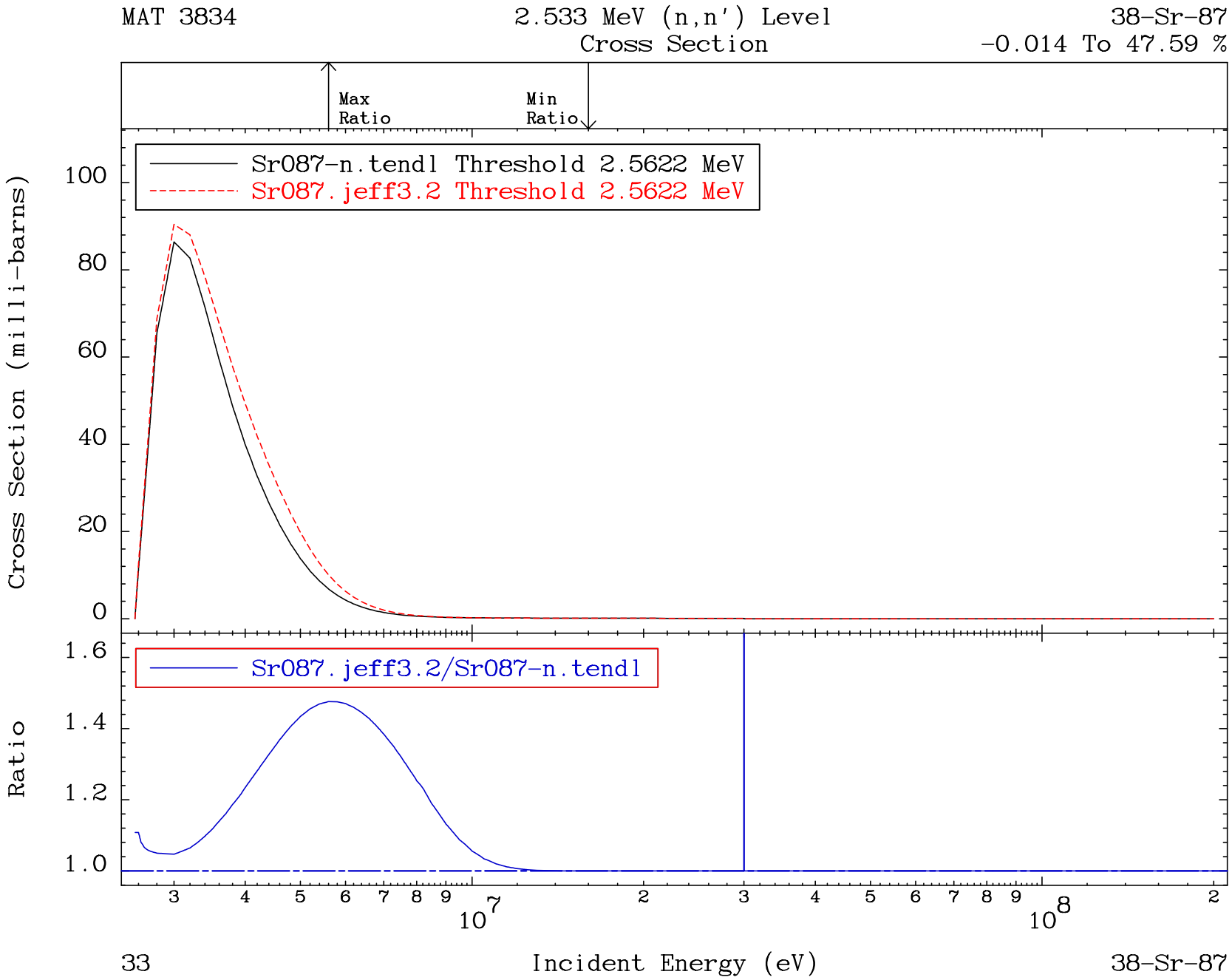

MAT 3834
2.236 MeV (n,n') Level
Cross Section
38-Sr-87
-98.37 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.2617 MeV
Sr087.jeff3.2 Threshold 2.2617 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-87

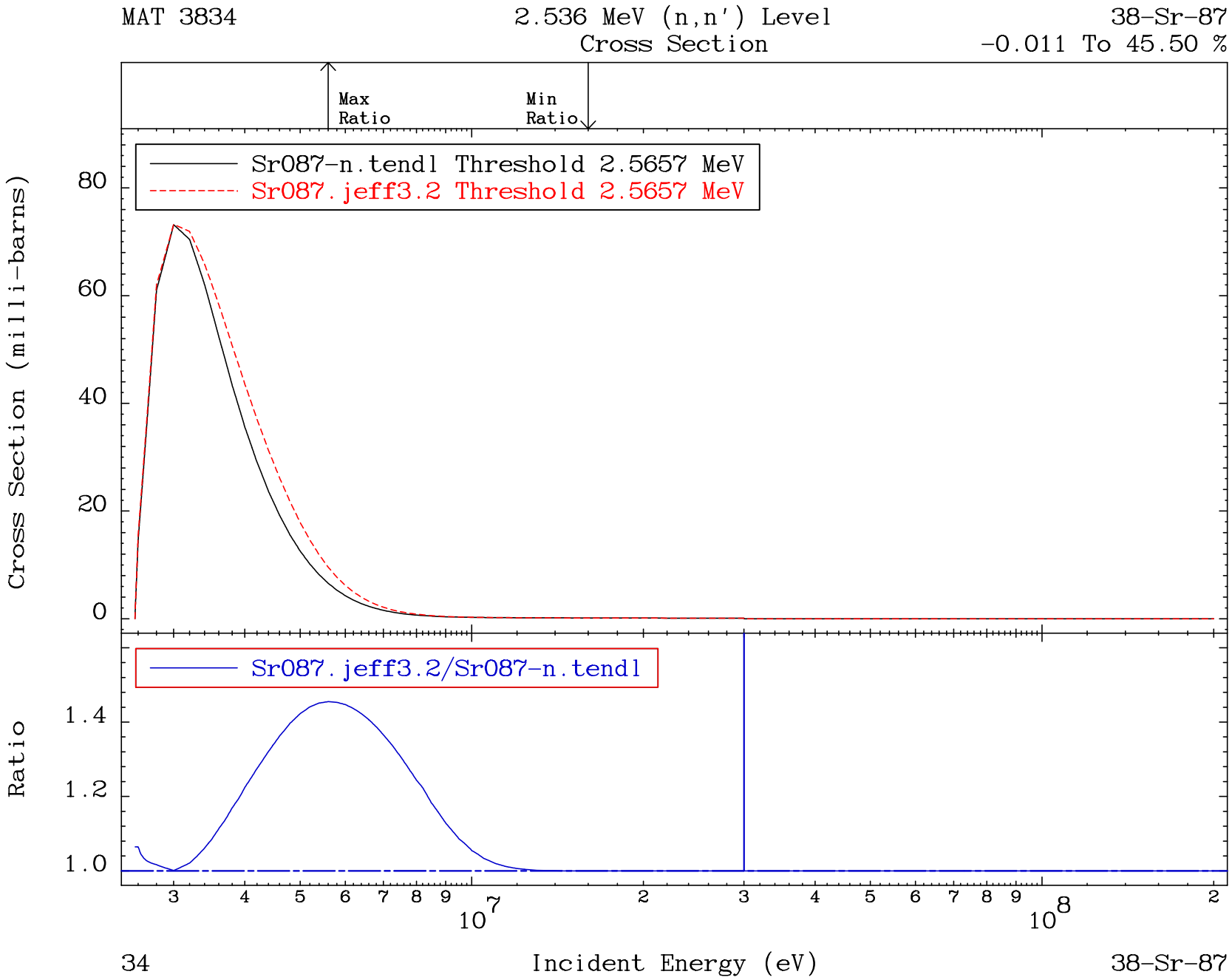

MAT 3834
2.262 MeV (n,n') Level
Cross Section
38-Sr-87
-87.50 To 555.7 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.2883 MeV
Sr087.jeff3.2 Threshold 2.2883 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^1
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
38-Sr-87

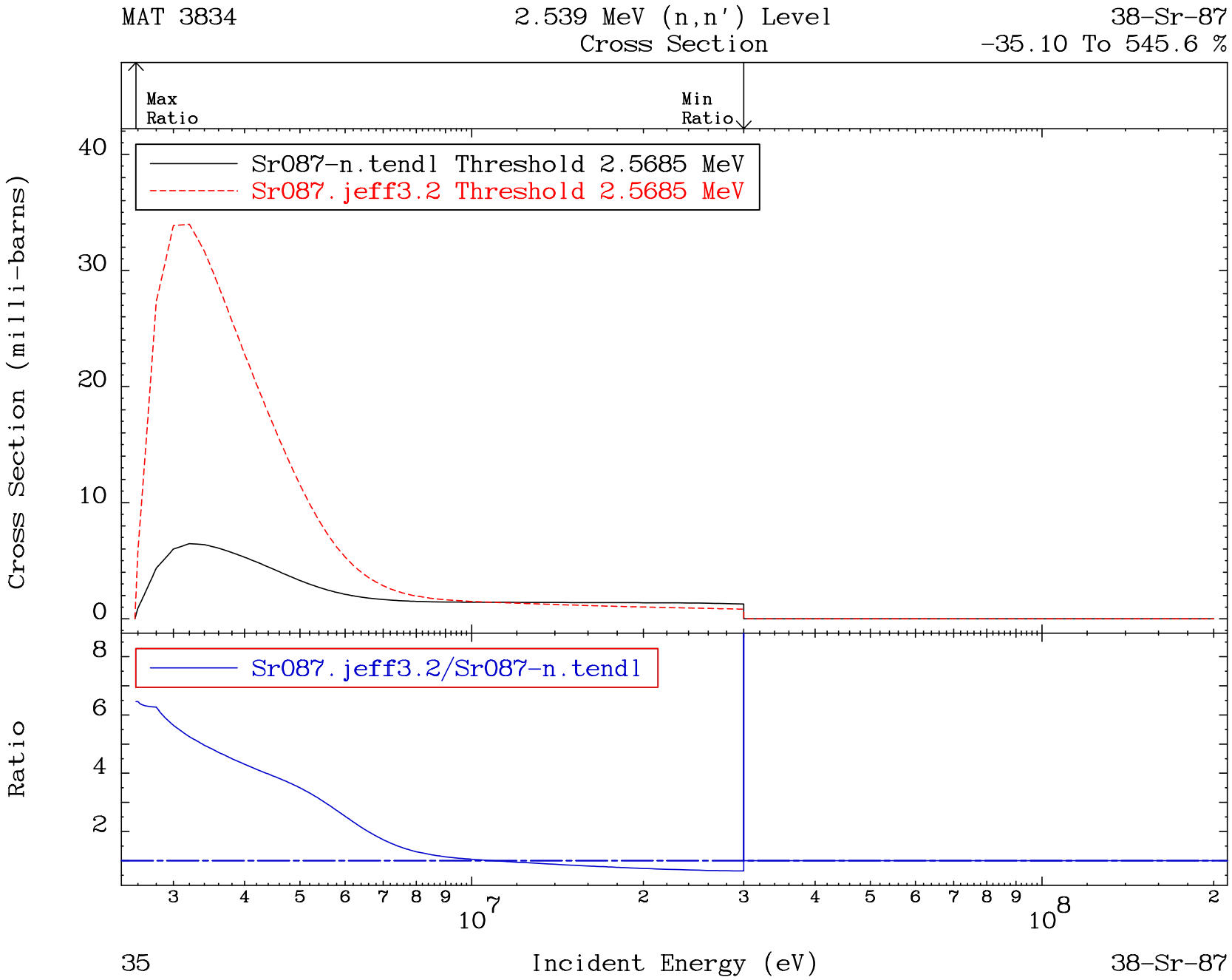

MAT 3834
2.415 MeV (n,n') Level
Cross Section
38-Sr-87
0.000 To 208.2 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.4425 MeV
Sr087.jeff3.2 Threshold 2.4425 MeV
Cross Section (milli-barns)
0
2
4
6
8
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
2.0
3.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
38-Sr-87

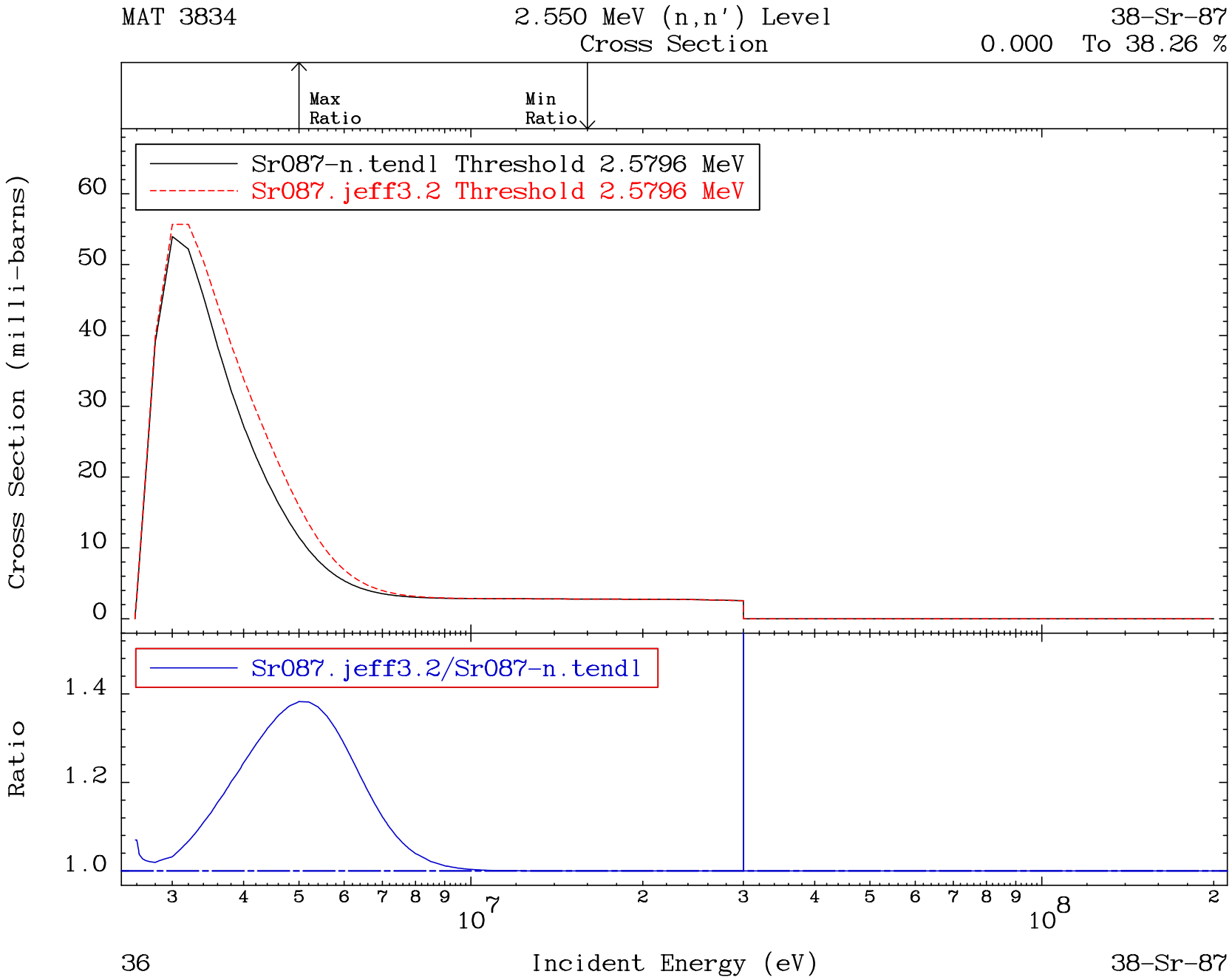

MAT 3834
2.420 MeV (n,n') Level
Cross Section
38-Sr-87
-0.002 To 37.77 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.4485 MeV
Sr087.jeff3.2 Threshold 2.4485 MeV
Cross Section (milli-barns)
20
15
10
5
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
38-Sr-87

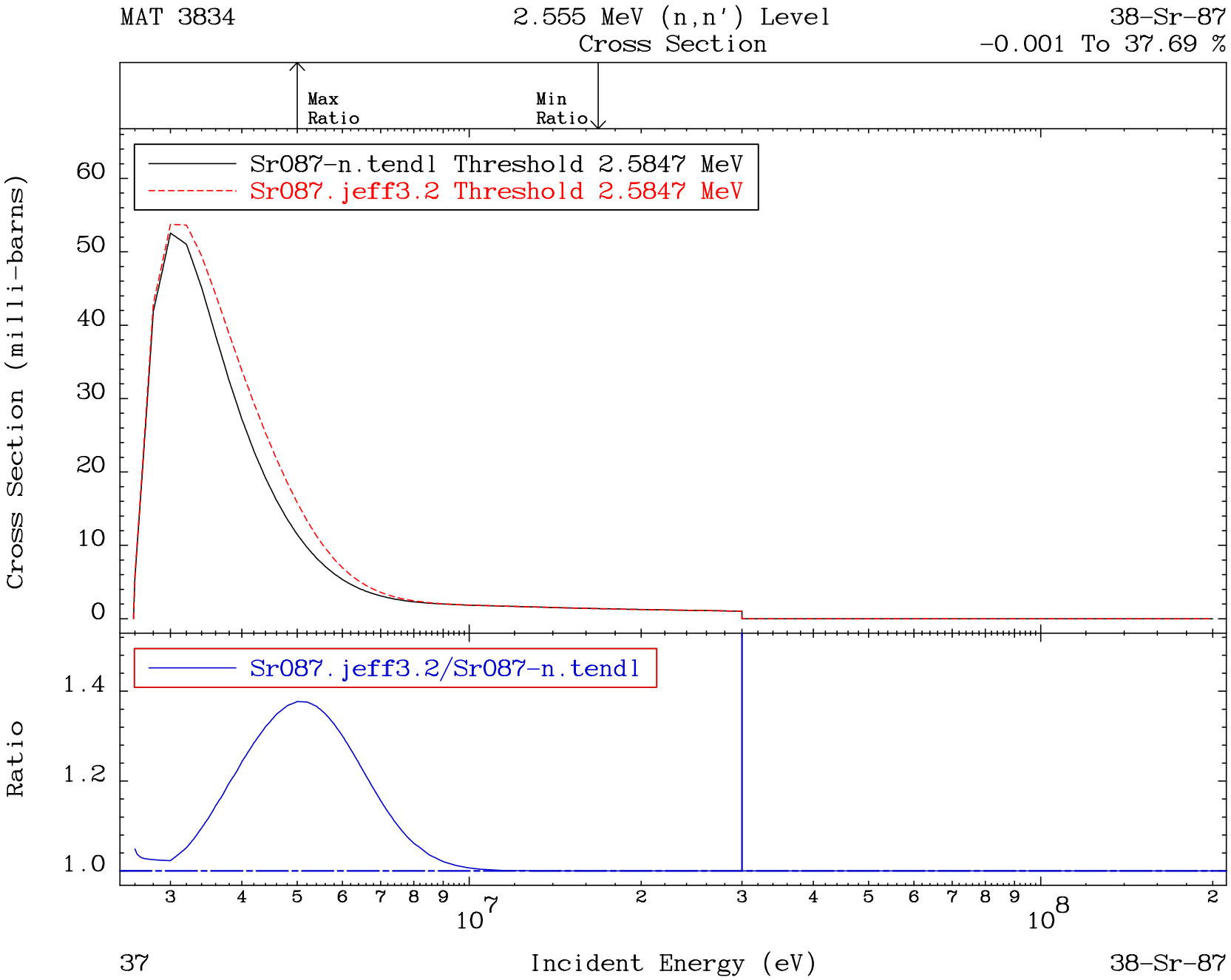

MAT 3834
2.488 MeV (n,n') Level
Cross Section
38-Sr-87
0.000 To 427.8 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.5169 MeV
Sr087.jeff3.2 Threshold 2.5169 MeV
Cross Section (milli-barns)
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
38-Sr-87

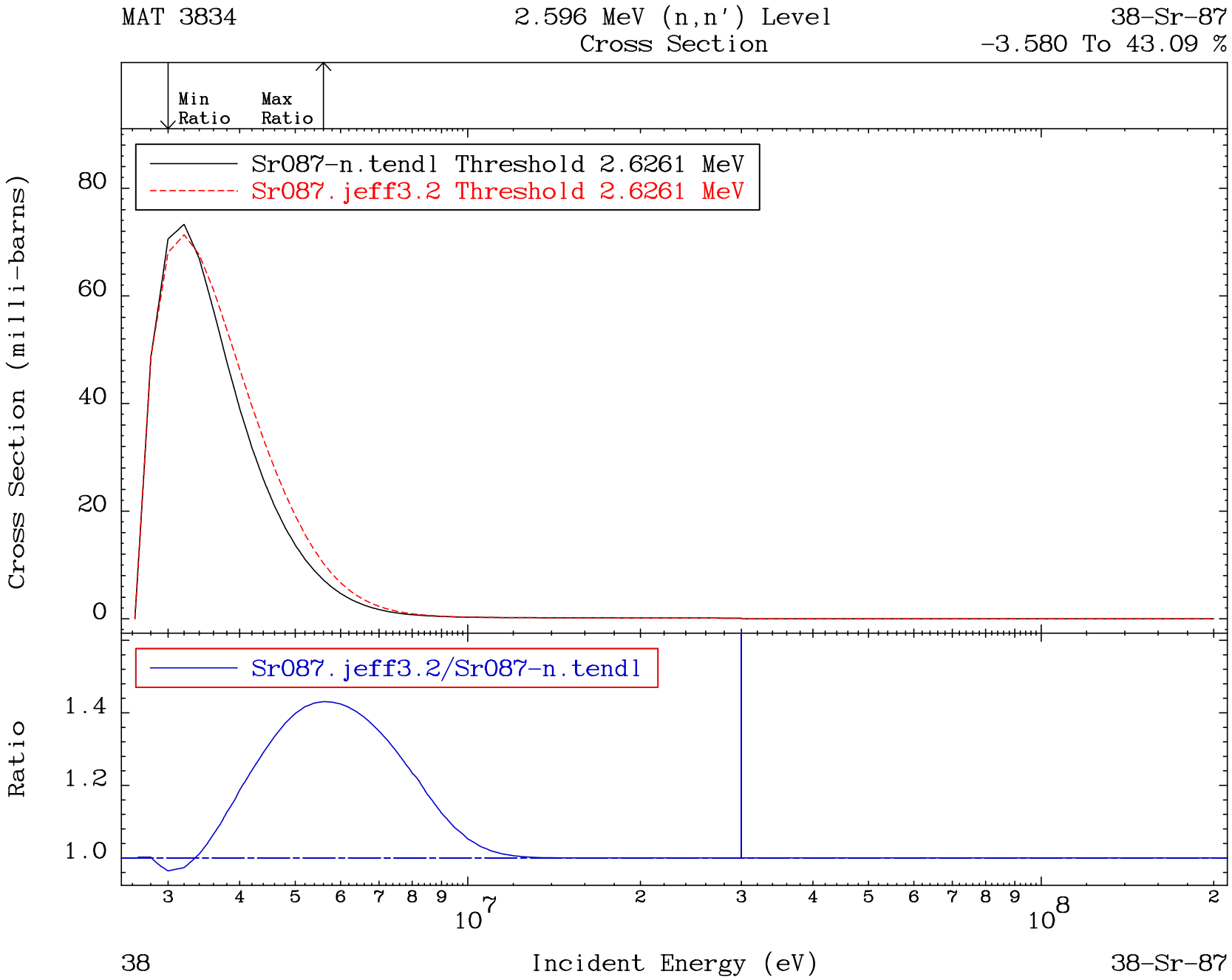

MAT 3834
2.533 MeV (n,n') Level
Cross Section
38-Sr-87
-0.014 To 47.59 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.5622 MeV
Sr087.jeff3.2 Threshold 2.5622 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.4
1.2
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
38-Sr-87

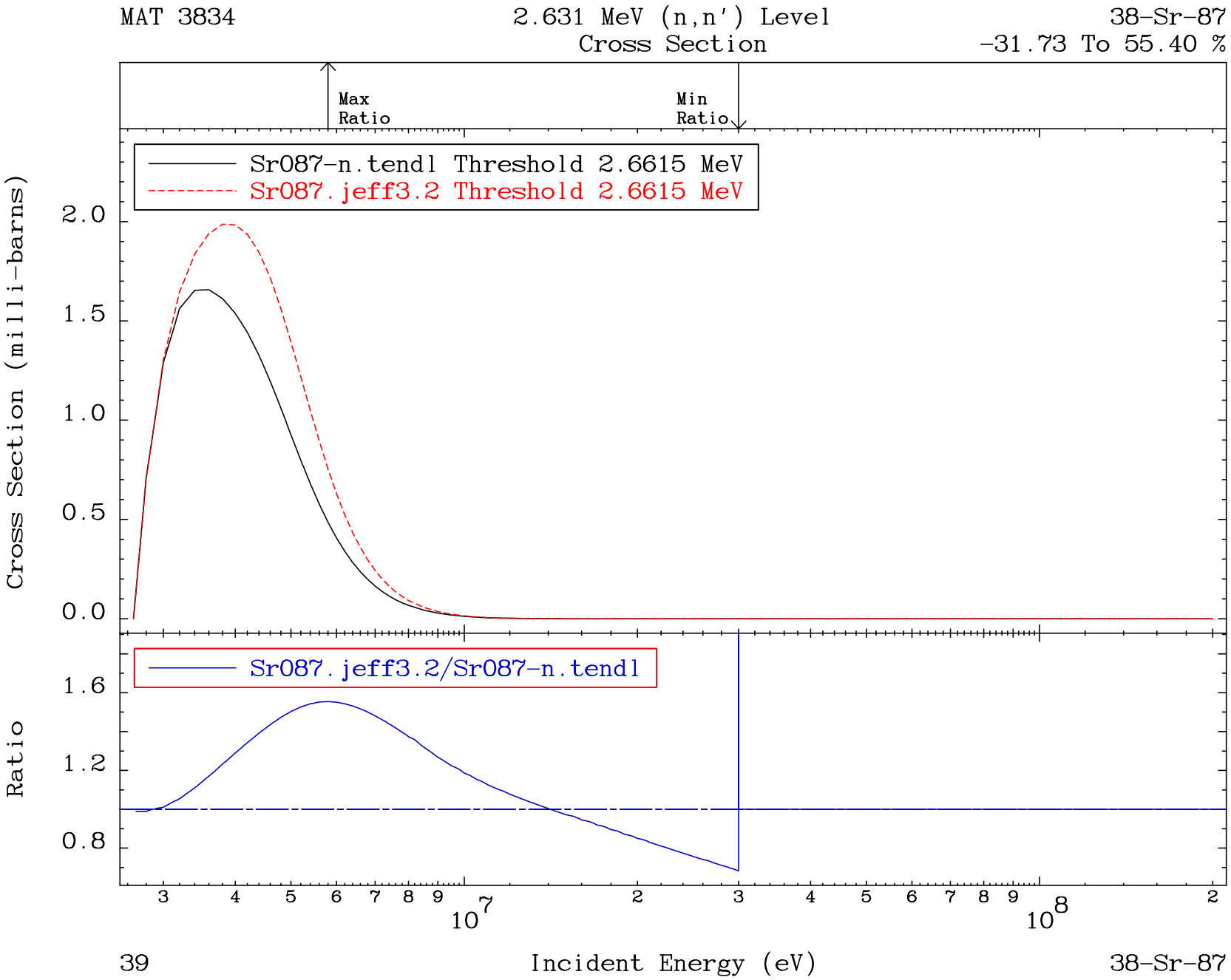

MAT 3834
2.536 MeV (n,n') Level
Cross Section
38-Sr-87
-0.011 To 45.50 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.5657 MeV
Sr087.jeff3.2 Threshold 2.5657 MeV
Cross Section (milli-barns)
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
38-Sr-87

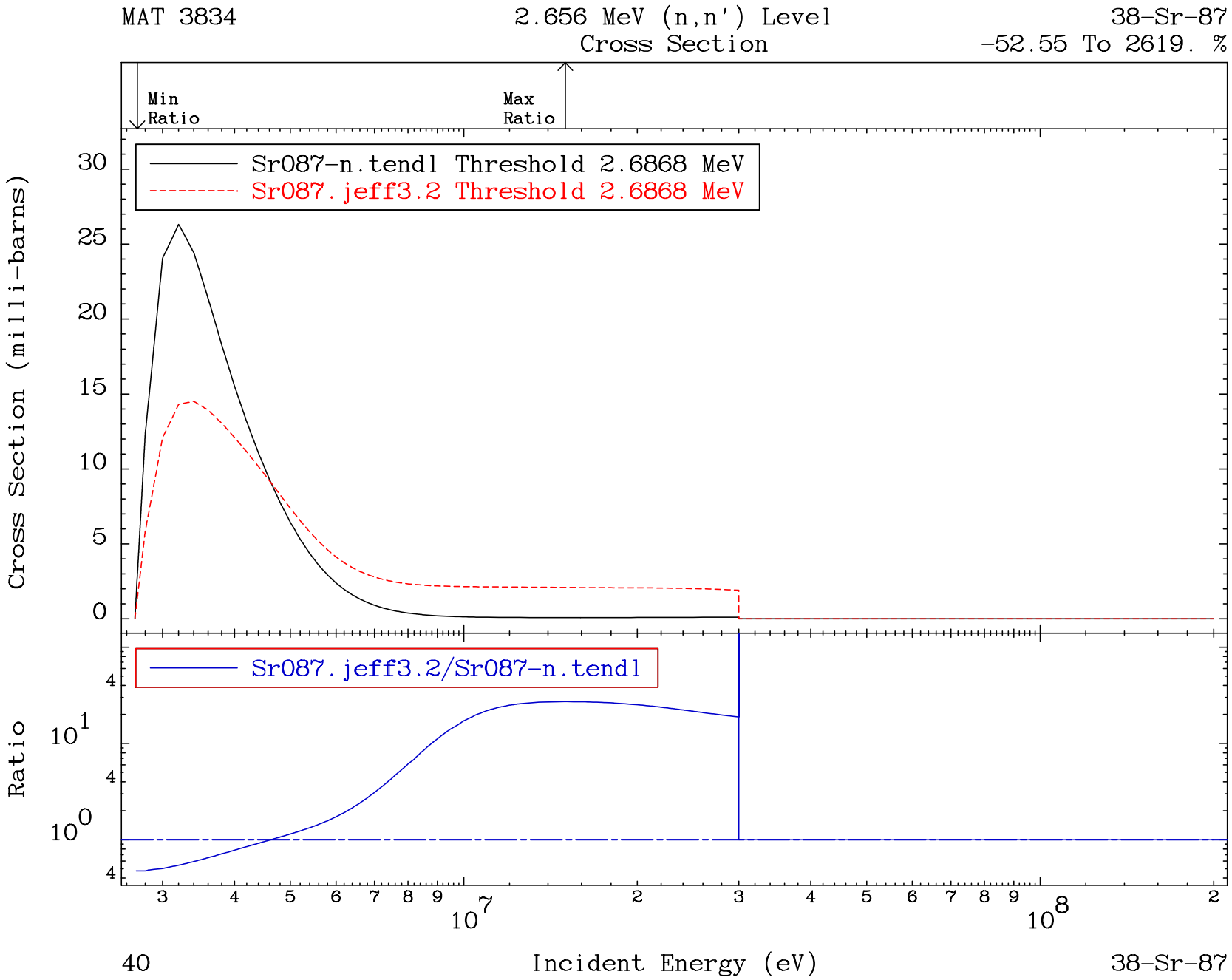

MAT 3834
2.539 MeV (n,n') Level
Cross Section
38-Sr-87
-35.10 To 545.6 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.5685 MeV
Sr087.jeff3.2 Threshold 2.5685 MeV
Cross Section (milli-barns)
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
8
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
38-Sr-87

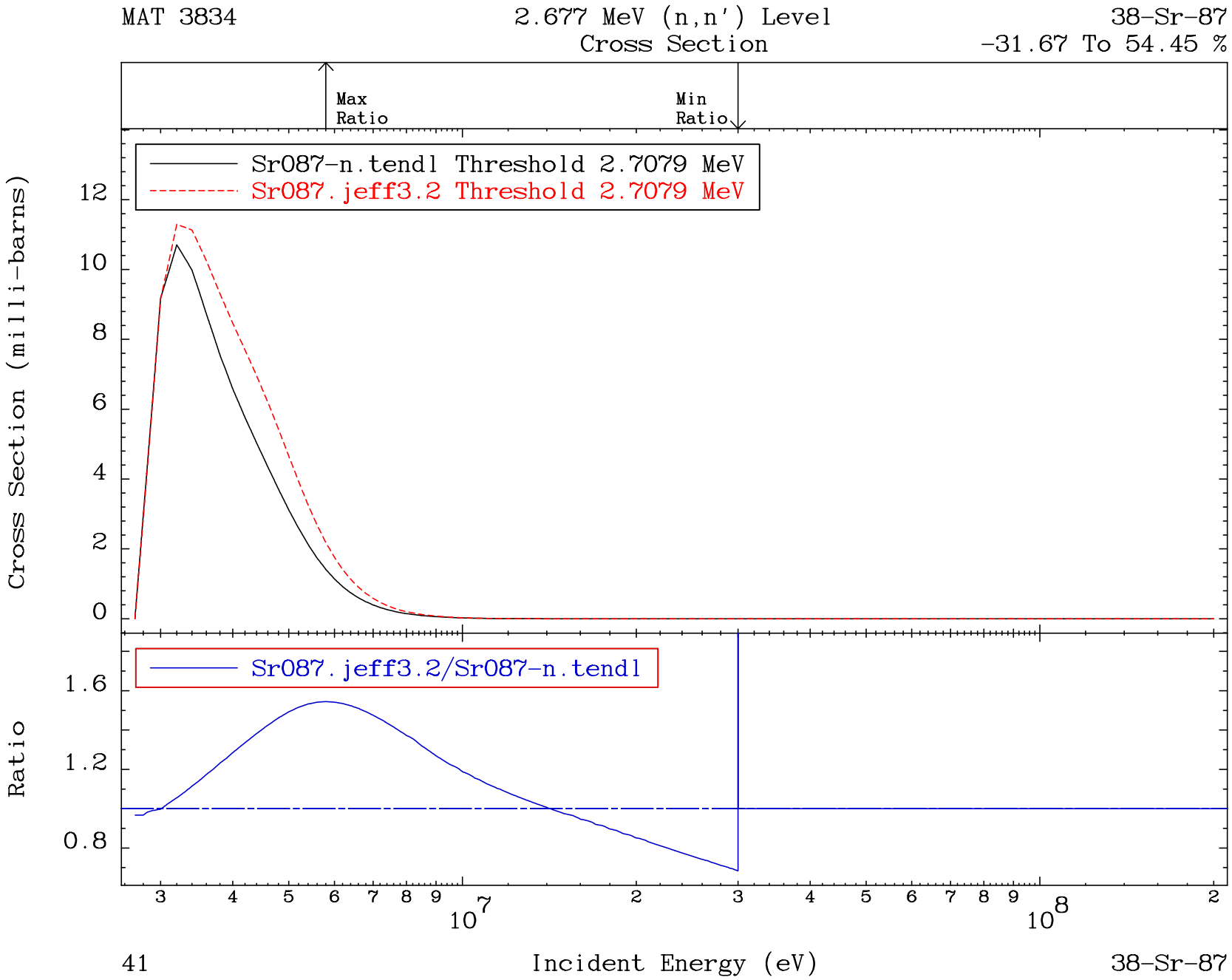

MAT 3834
2.550 MeV (n,n') Level
Cross Section
38-Sr-87
0.000 To 38.26 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.5796 MeV
Sr087.jeff3.2 Threshold 2.5796 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
36
Incident Energy (eV)
38-Sr-87

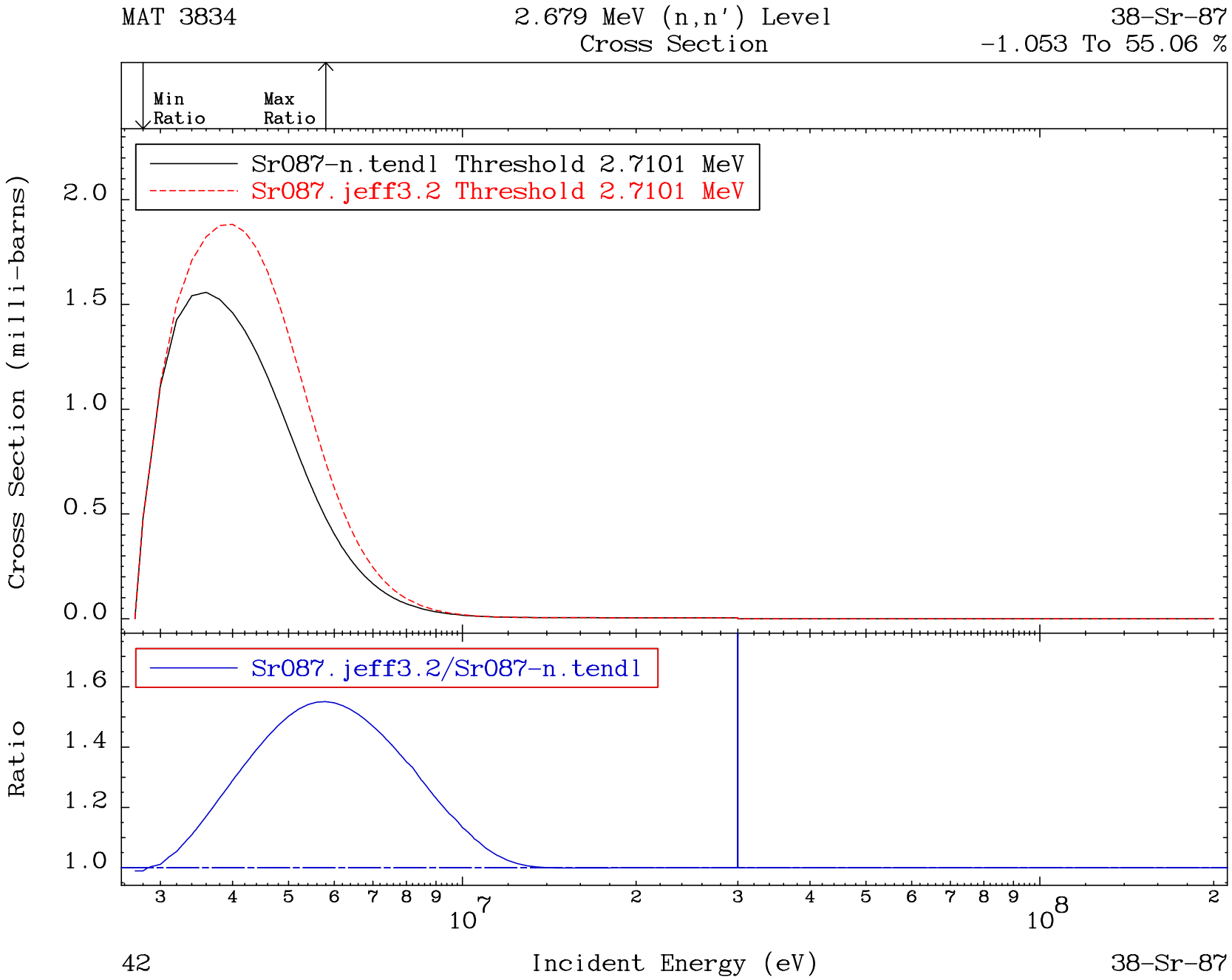

MAT 3834
2.555 MeV (n,n') Level
Cross Section
38-Sr-87
-0.001 To 37.69 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.5847 MeV
Sr087.jeff3.2 Threshold 2.5847 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
37
Incident Energy (eV)
38-Sr-87

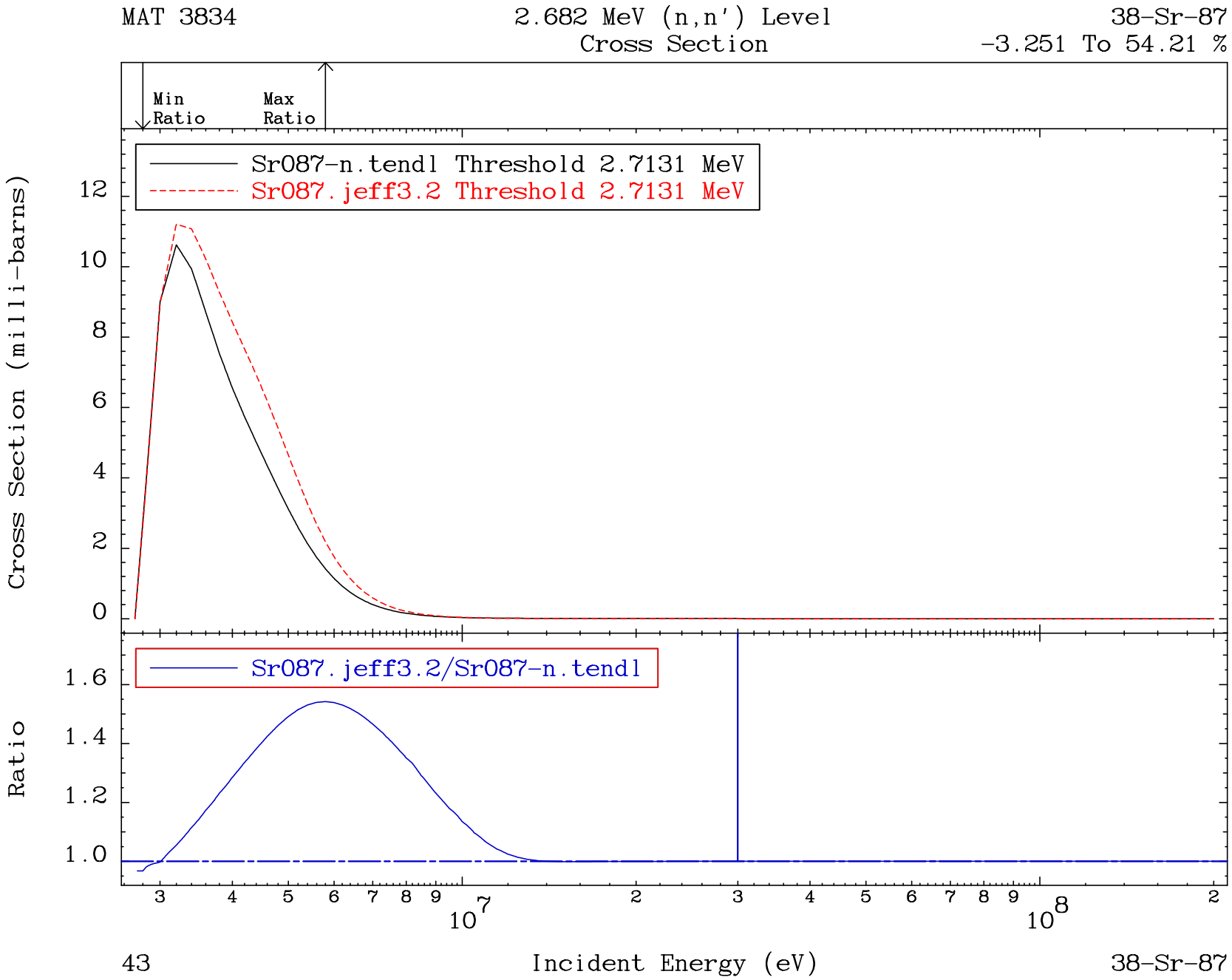

MAT 3834
2.596 MeV (n,n') Level
Cross Section
38-Sr-87
-3.580 To 43.09 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.6261 MeV
Sr087.jeff3.2 Threshold 2.6261 MeV
Cross Section (milli-barns)
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
38-Sr-87

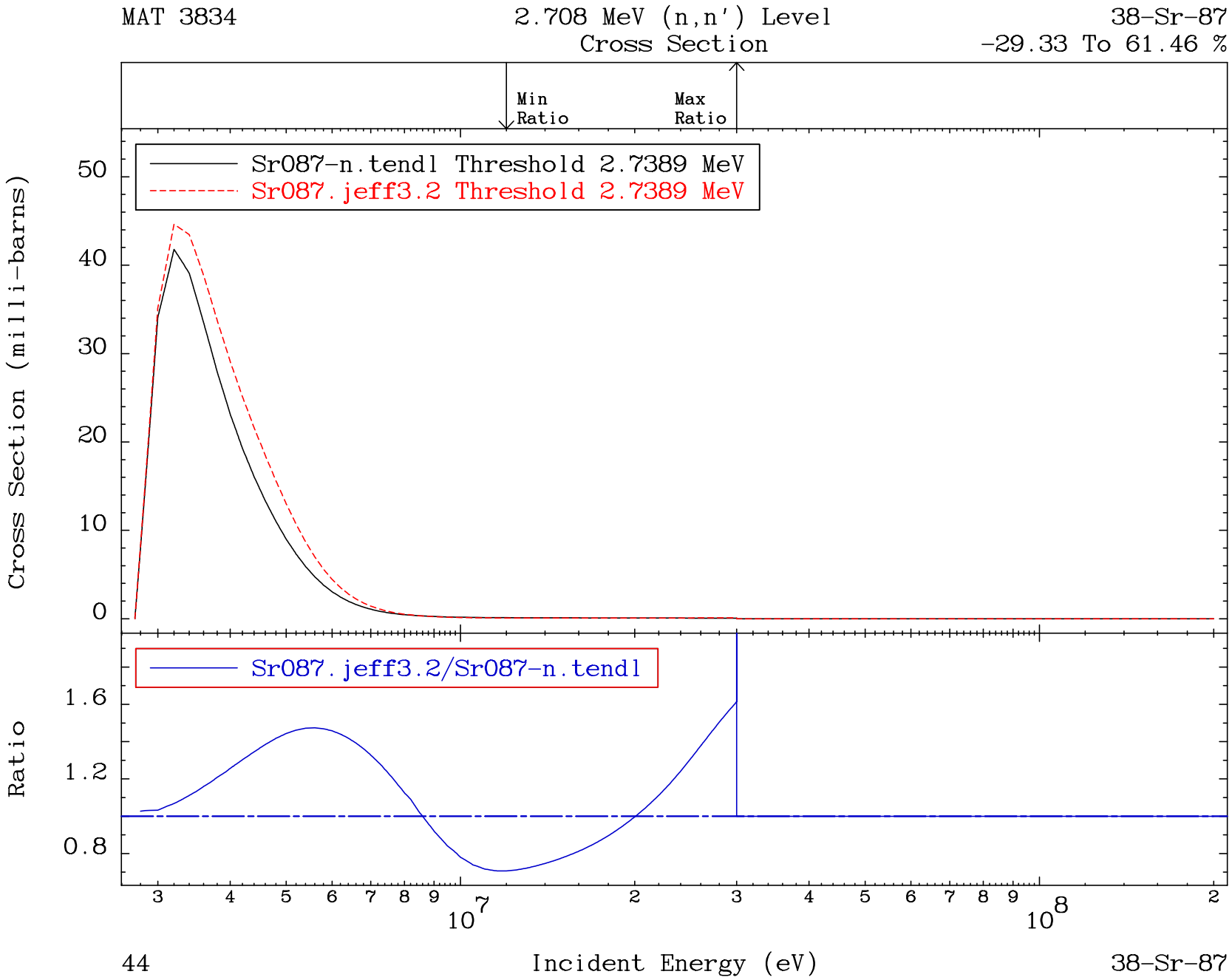

MAT 3834
2.631 MeV (n,n') Level
Cross Section
38-Sr-87
-31.73 To 55.40 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.6615 MeV
Sr087.jeff3.2 Threshold 2.6615 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
38-Sr-87

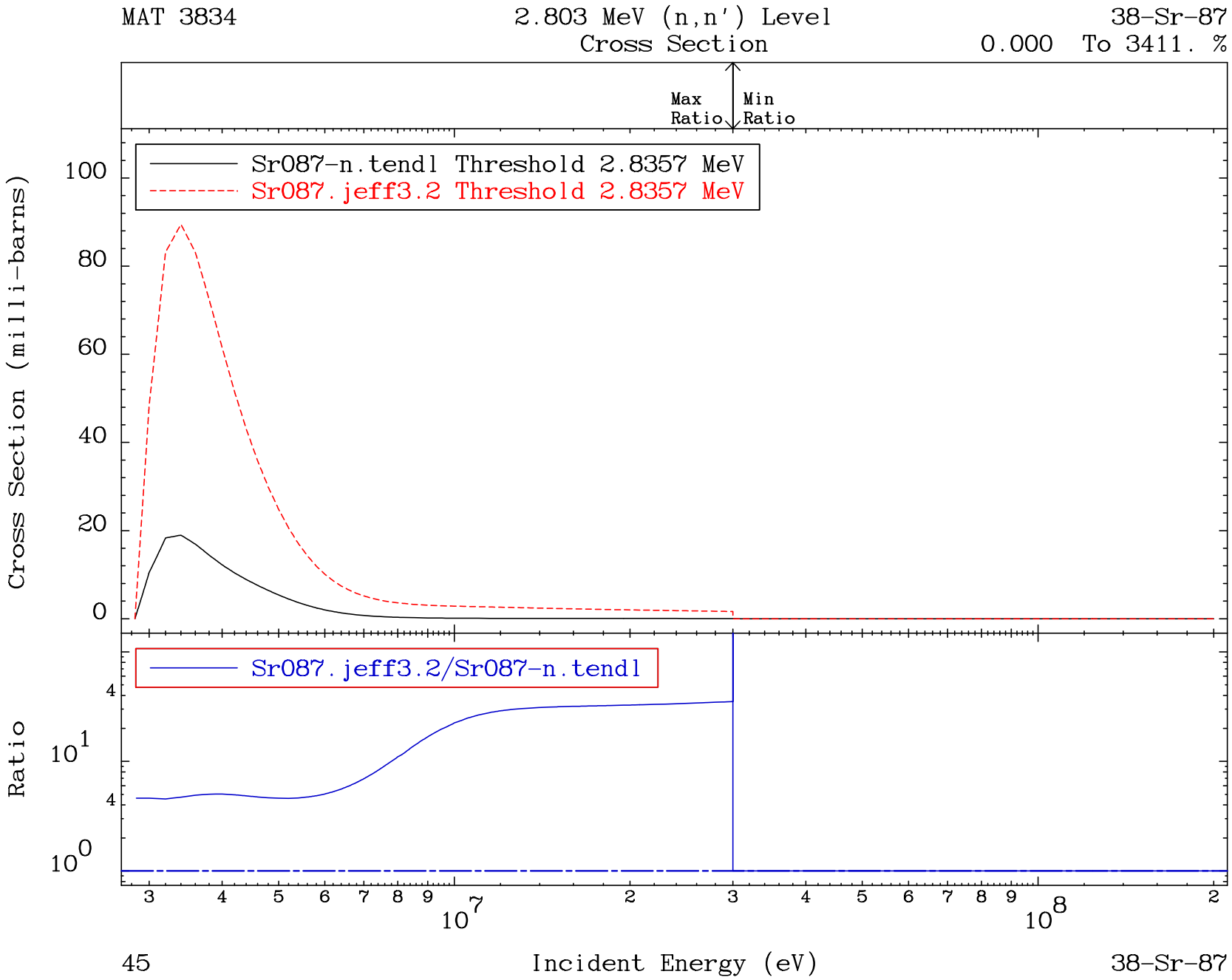

MAT 3834
2.656 MeV (n,n') Level
Cross Section
38-Sr-87
-52.55 To 2619. %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.6868 MeV
Sr087.jeff3.2 Threshold 2.6868 MeV
Cross Section (milli-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
40
38-Sr-87

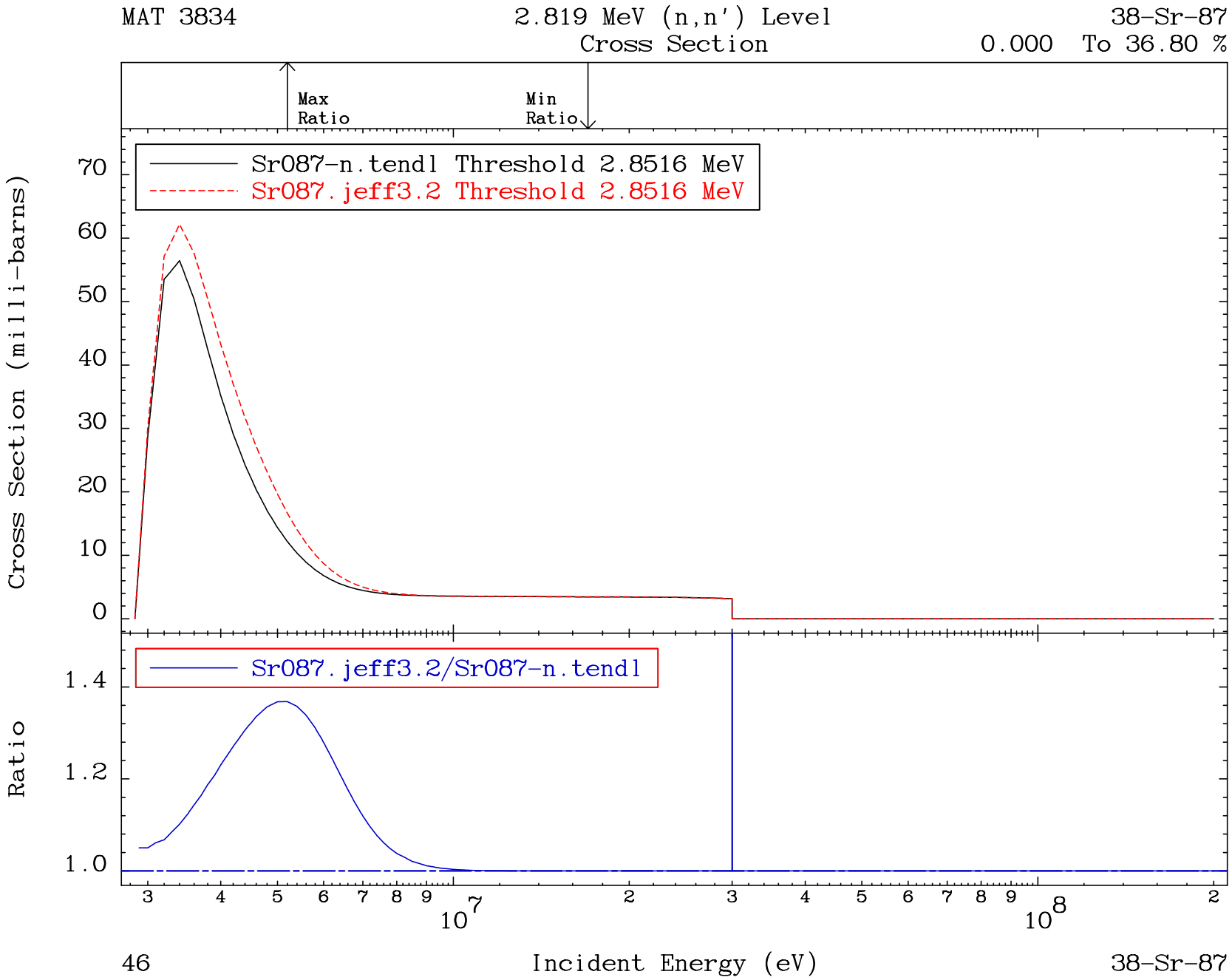

MAT 3834
2.677 MeV (n,n') Level
Cross Section
38-Sr-87
-31.67 To 54.45 %
Max
Ratio
Min
Ratio
Sr087-n.tendl Threshold 2.7079 MeV
Sr087.jeff3.2 Threshold 2.7079 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
38-Sr-87

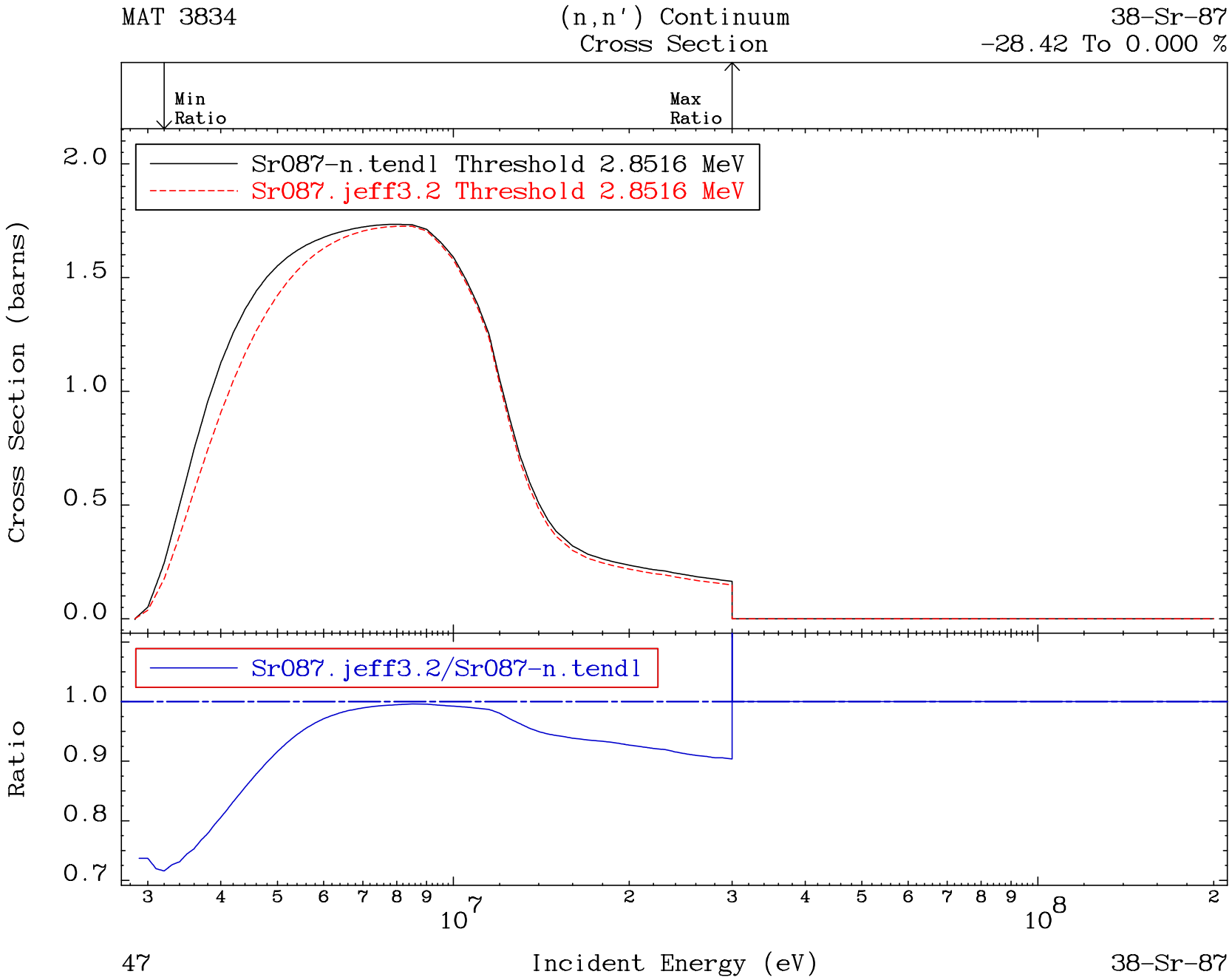

MAT 3834
2.679 MeV (n,n') Level
Cross Section
38-Sr-87
-1.053 To 55.06 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.7101 MeV
Sr087.jeff3.2 Threshold 2.7101 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.4
1.2
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
42
Incident Energy (eV)
38-Sr-87

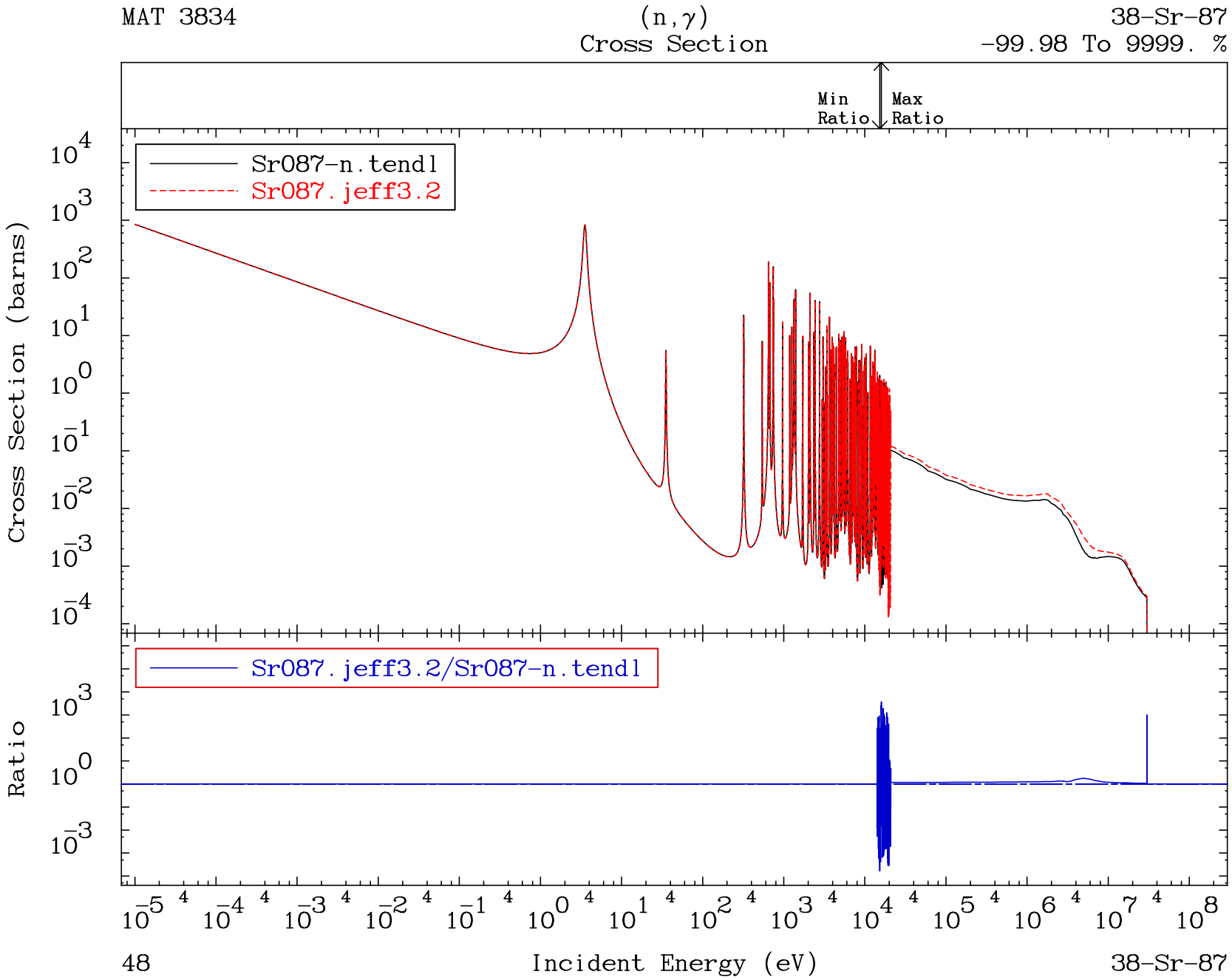

MAT 3834
2.682 MeV (n,n') Level
Cross Section
38-Sr-87
-3.251 To 54.21 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.7131 MeV
Sr087.jeff3.2 Threshold 2.7131 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
1.2
1.4
1.6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
38-Sr-87

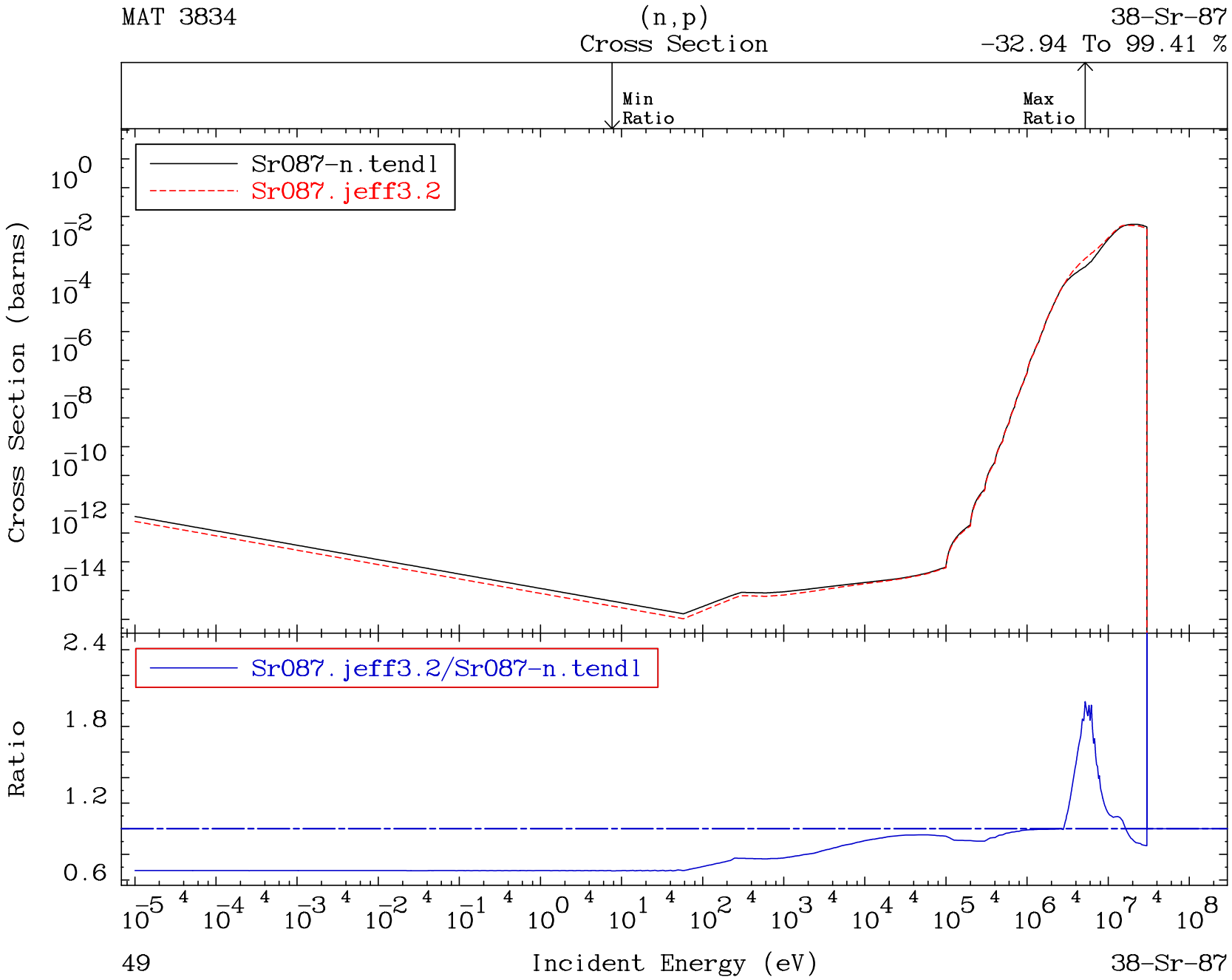

MAT 3834
2.708 MeV (n,n') Level
Cross Section
38-Sr-87
-29.33 To 61.46 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 2.7389 MeV
Sr087.jeff3.2 Threshold 2.7389 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
38-Sr-87

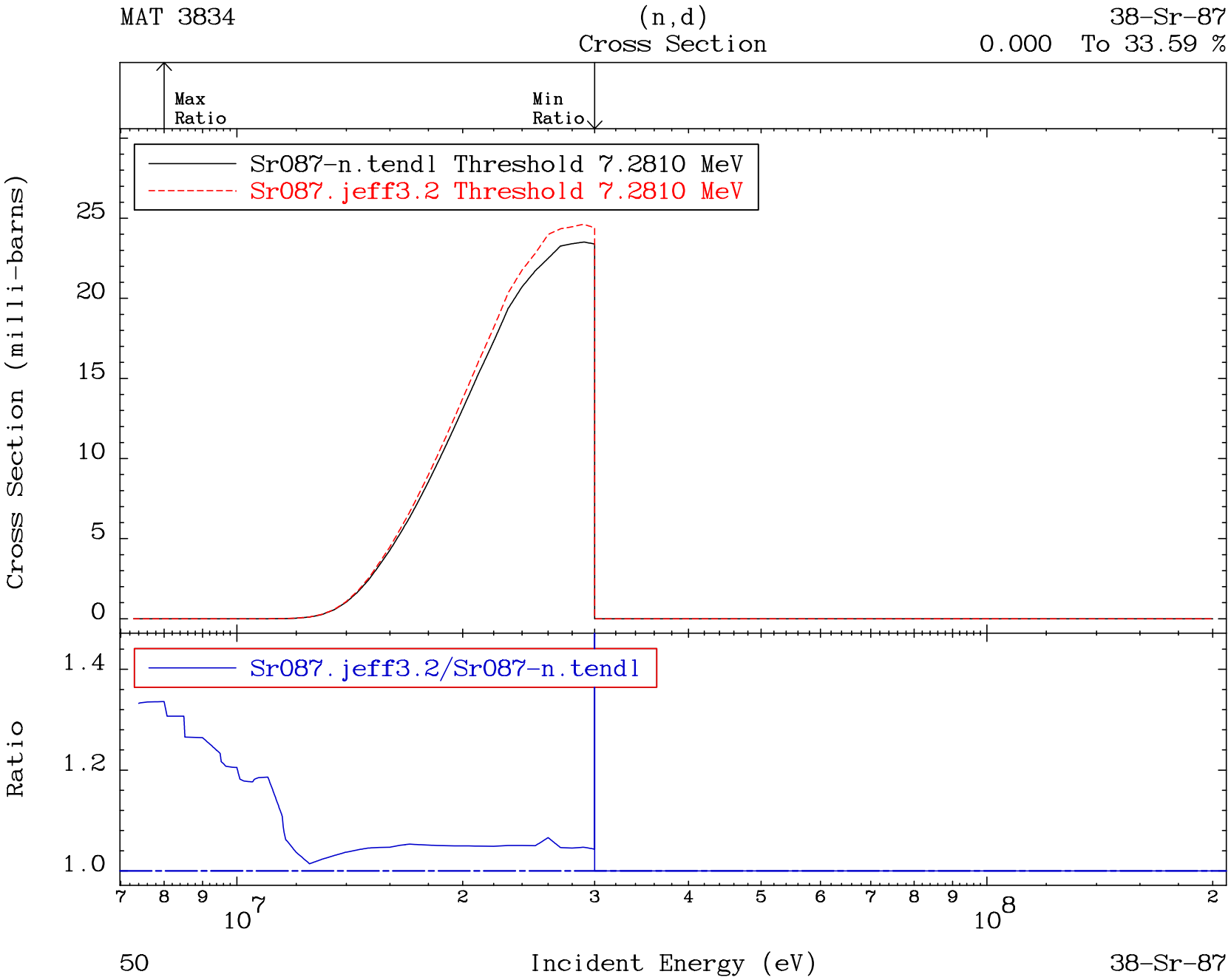

MAT 3834
2.803 MeV (n,n') Level
Cross Section
38-Sr-87
0.000 To 3411. %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.8357 MeV
Sr087.jeff3.2 Threshold 2.8357 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
4
10^1
4
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
38-Sr-87

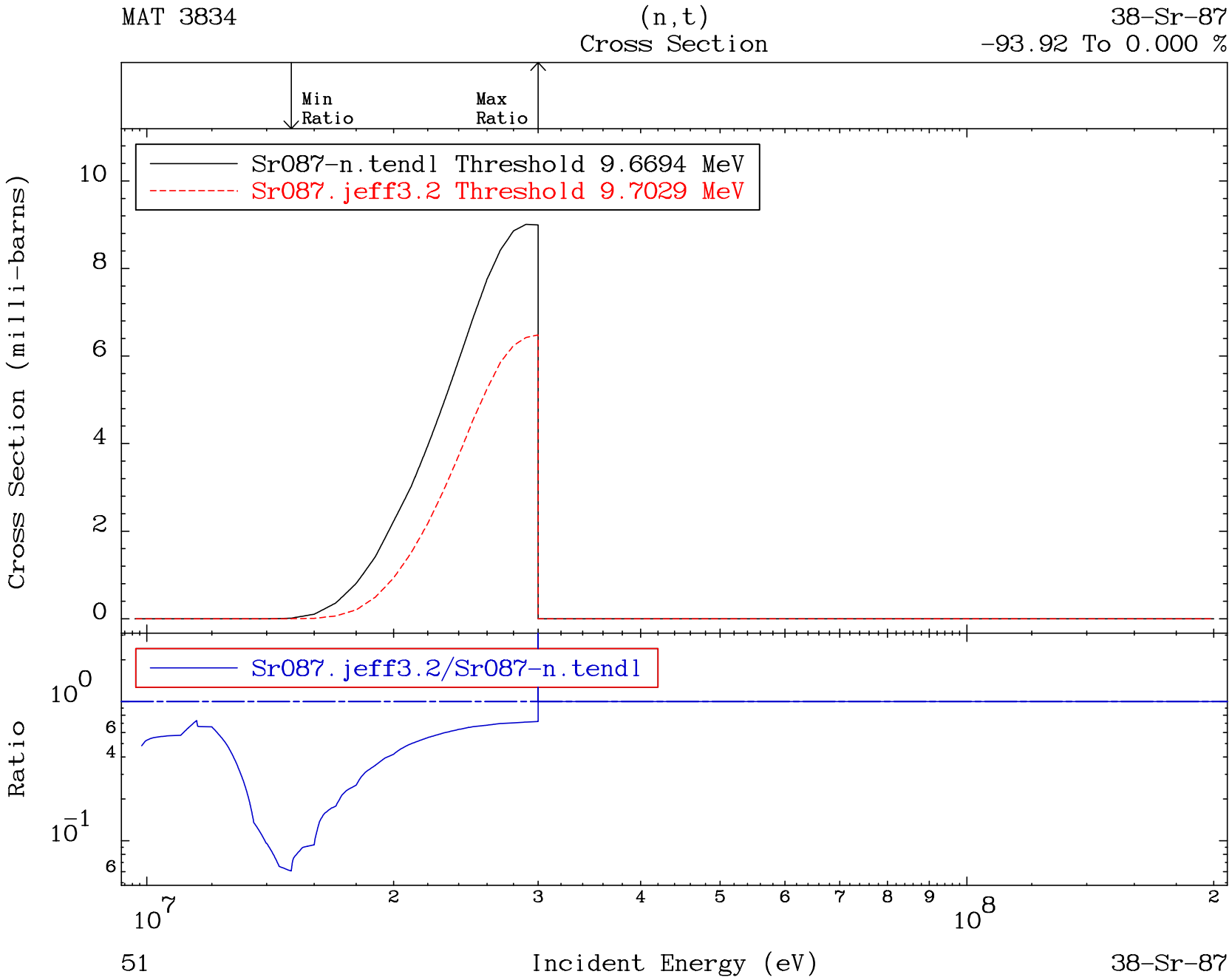

MAT 3834
2.819 MeV (n,n') Level
Cross Section
38-Sr-87
0.000 To 36.80 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 2.8516 MeV
Sr087.jeff3.2 Threshold 2.8516 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
38-Sr-87

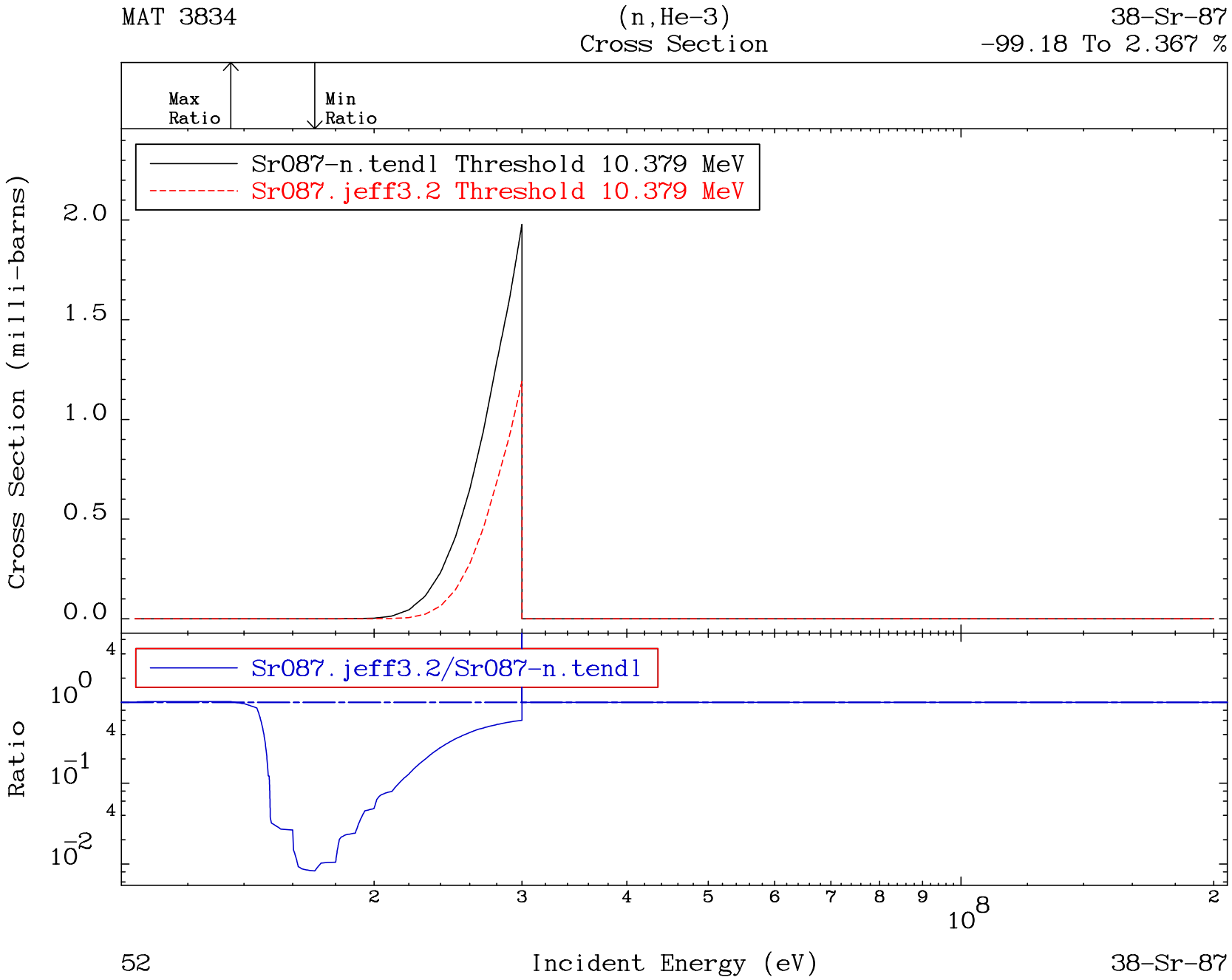

MAT 3834
(n,n') Continuum
Cross Section
38-Sr-87
-28.42 To 0.000 %
Min
Ratio
Max
Ratio
Sr087-n.tendl Threshold 2.8516 MeV
Sr087.jeff3.2 Threshold 2.8516 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.9
0.8
0.7
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
47
Incident Energy (eV)
38-Sr-87

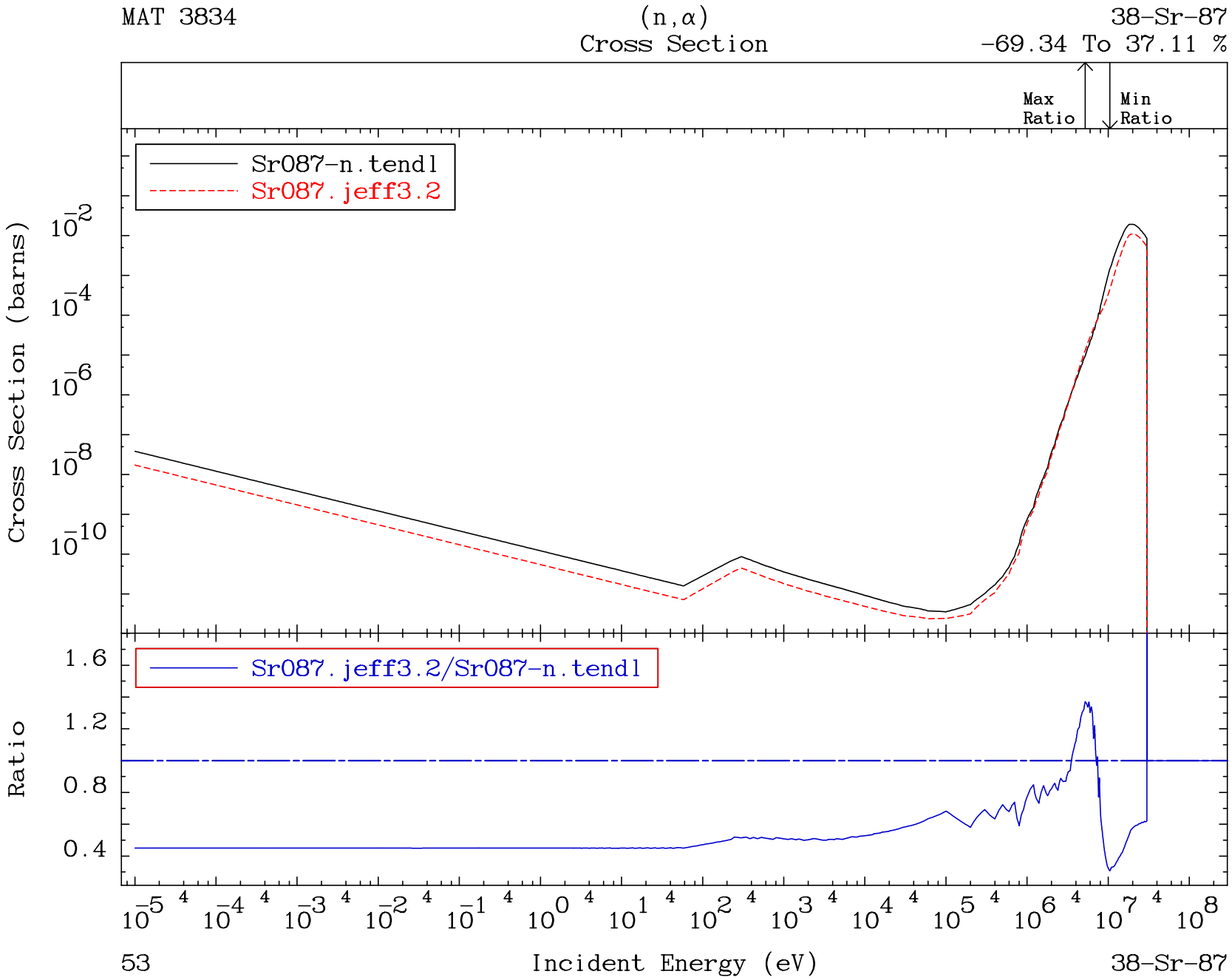

MAT 3834
(n,γ)
Cross Section
38-Sr-87
-99.98 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
48
38-Sr-87

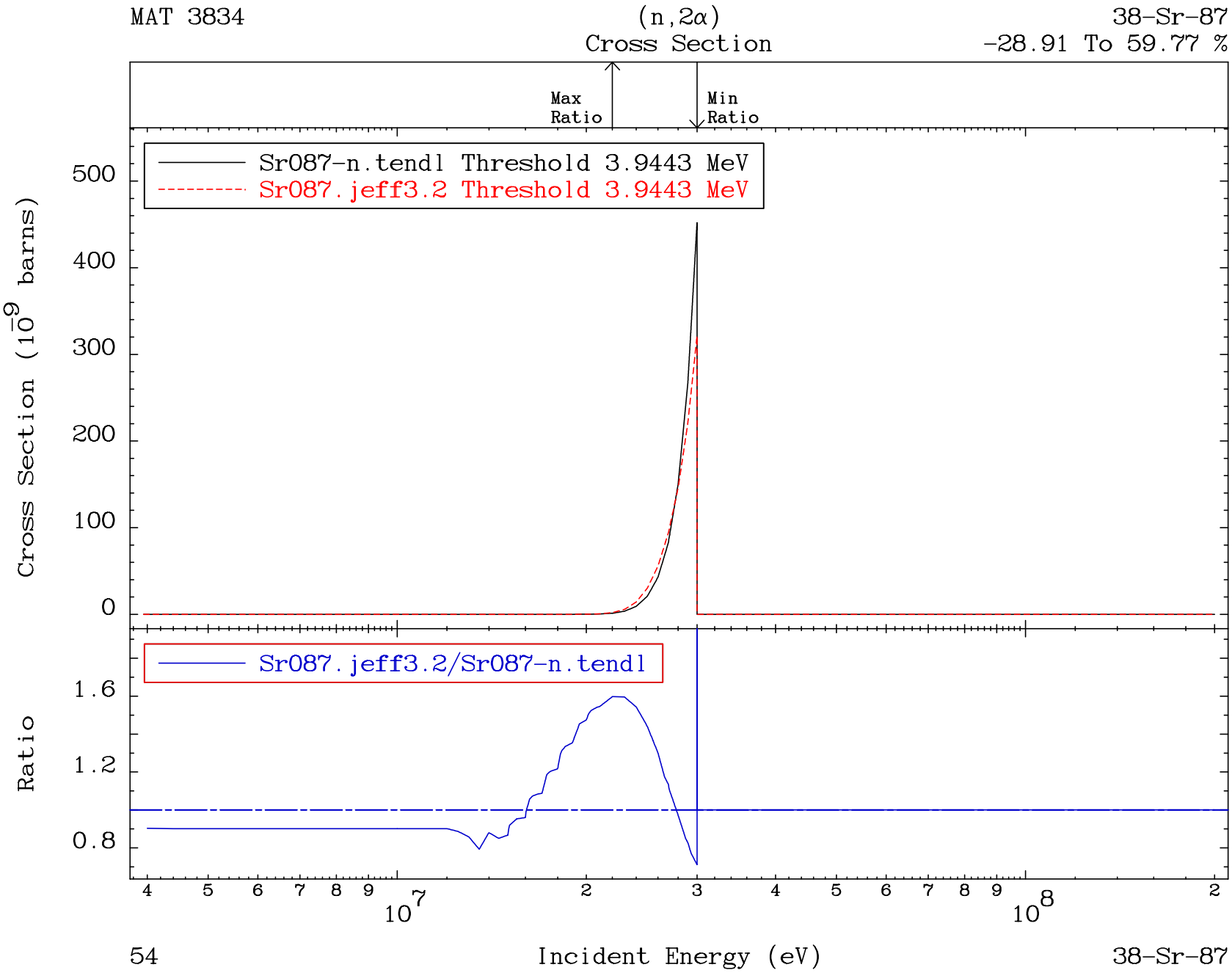

MAT 3834
(n,p)
Cross Section
38-Sr-87
-32.94 To 99.41 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
49
38-Sr-87

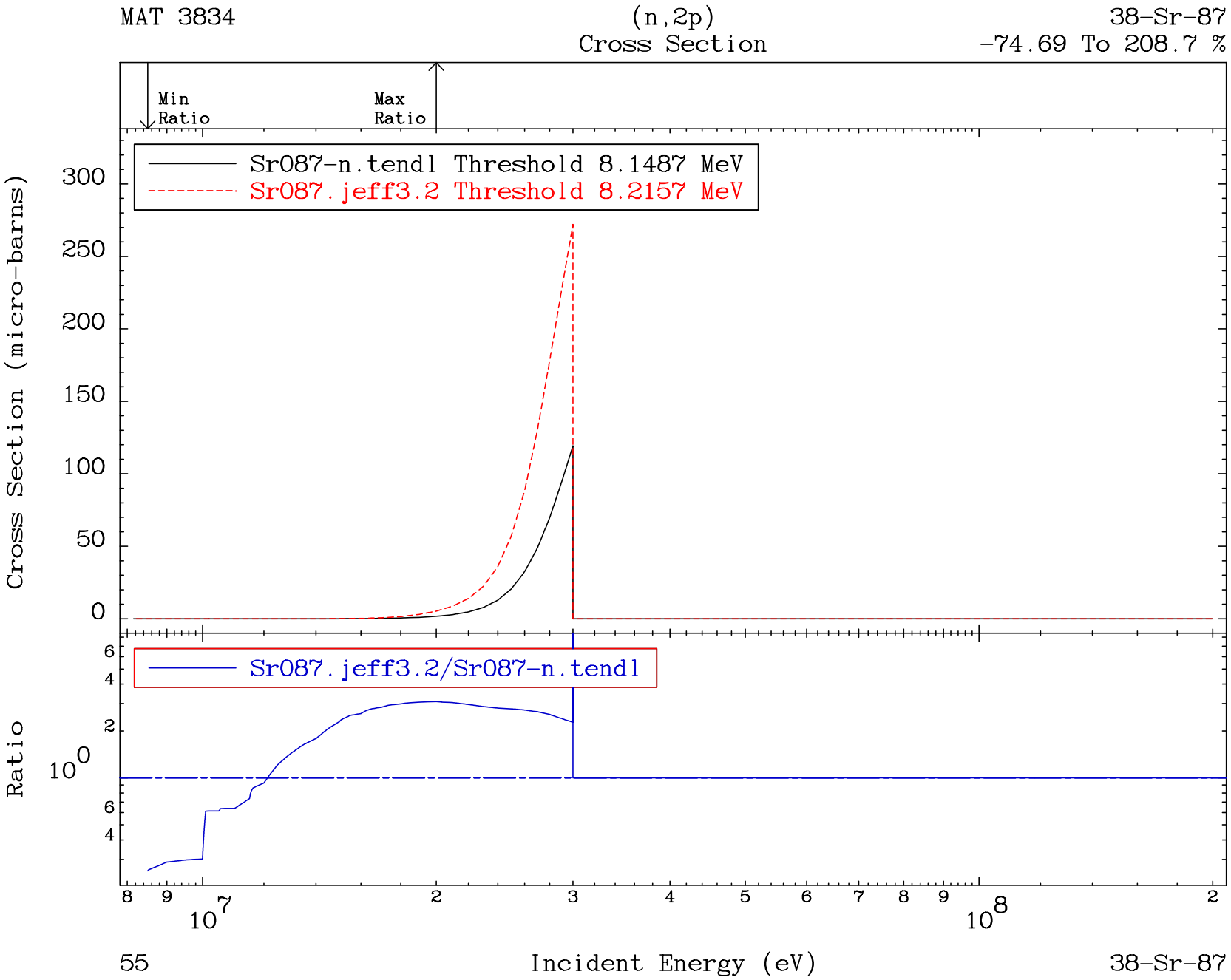

MAT 3834
(n,d)
Cross Section
38-Sr-87
0.000 To 33.59 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 7.2810 MeV
Sr087.jeff3.2 Threshold 7.2810 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
38-Sr-87

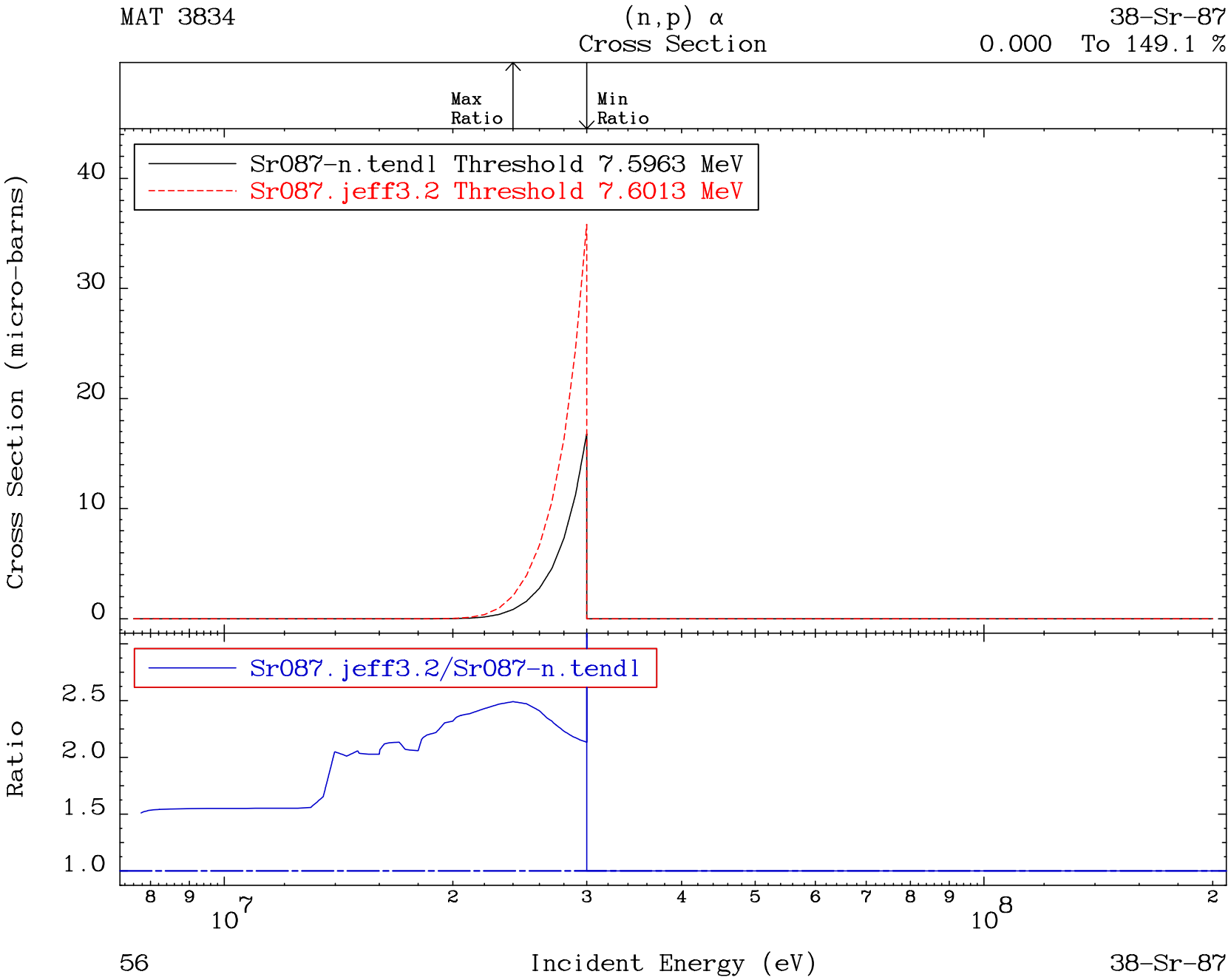

MAT 3834
(n,t)
Cross Section
38-Sr-87
-93.92 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 9.6694 MeV
Sr087.jeff3.2 Threshold 9.7029 MeV
Cross Section (milli-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
51
38-Sr-87

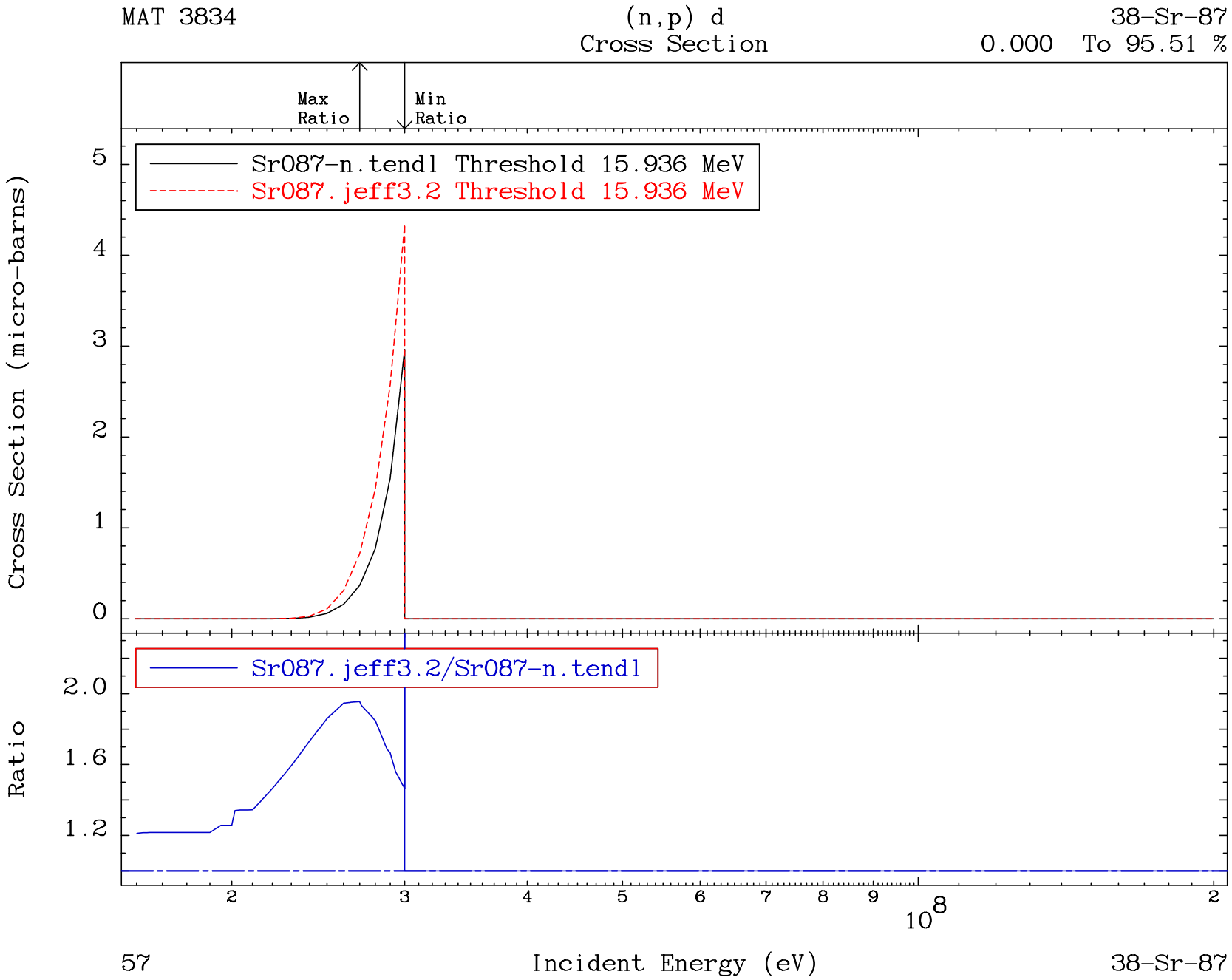

MAT 3834
(n,He-3)
Cross Section
38-Sr-87
-99.18 To 2.367 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 10.379 MeV
Sr087.jeff3.2 Threshold 10.379 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
38-Sr-87

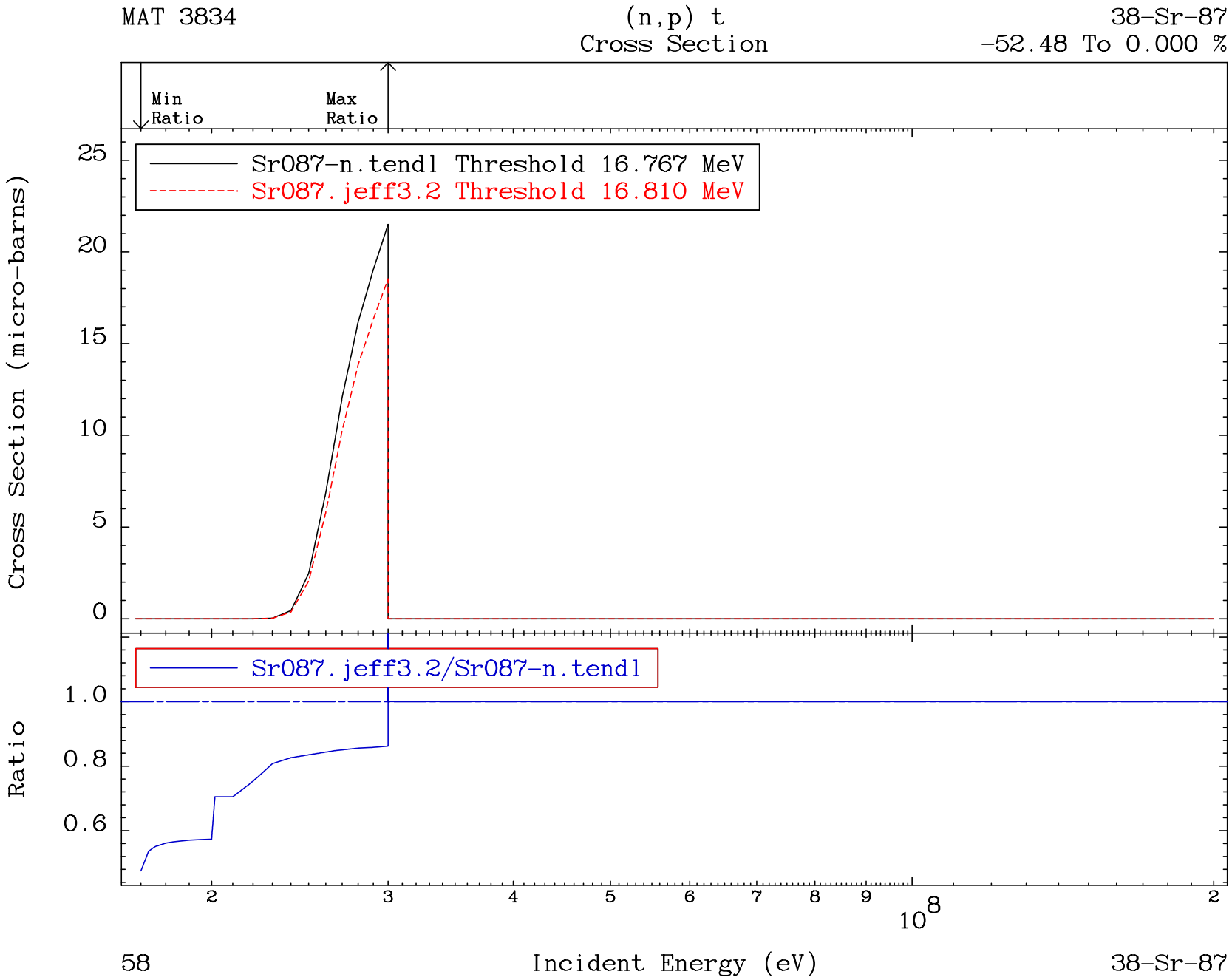

MAT 3834
(n,α)
Cross Section
38-Sr-87
-69.34 To 37.11 %
Max Ratio
Min Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
53
38-Sr-87

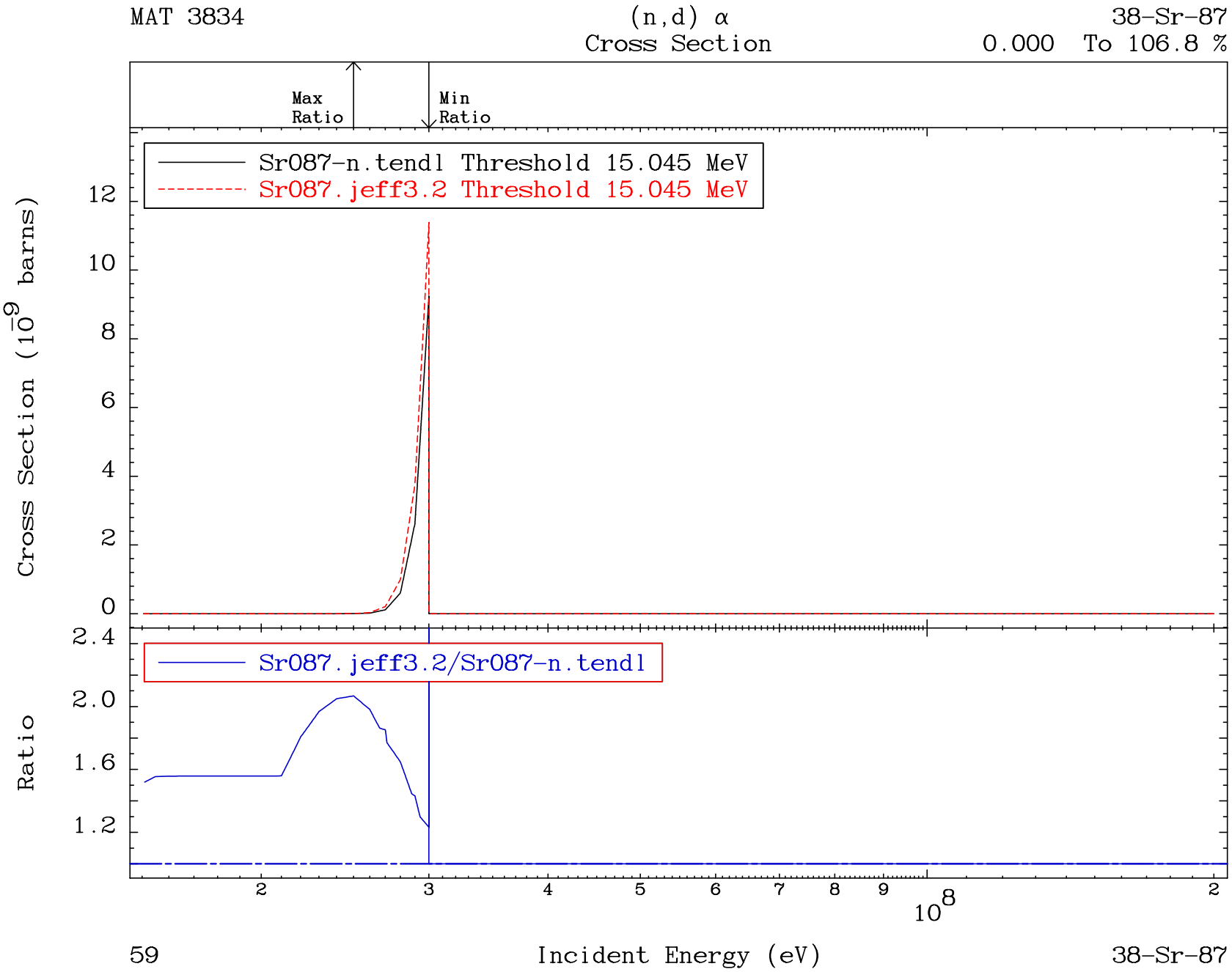

MAT 3834
(n,2α)
Cross Section
38-Sr-87
-28.91 To 59.77 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 3.9443 MeV
Sr087.jeff3.2 Threshold 3.9443 MeV
Cross Section (10^-9 barns)
500
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
38-Sr-87

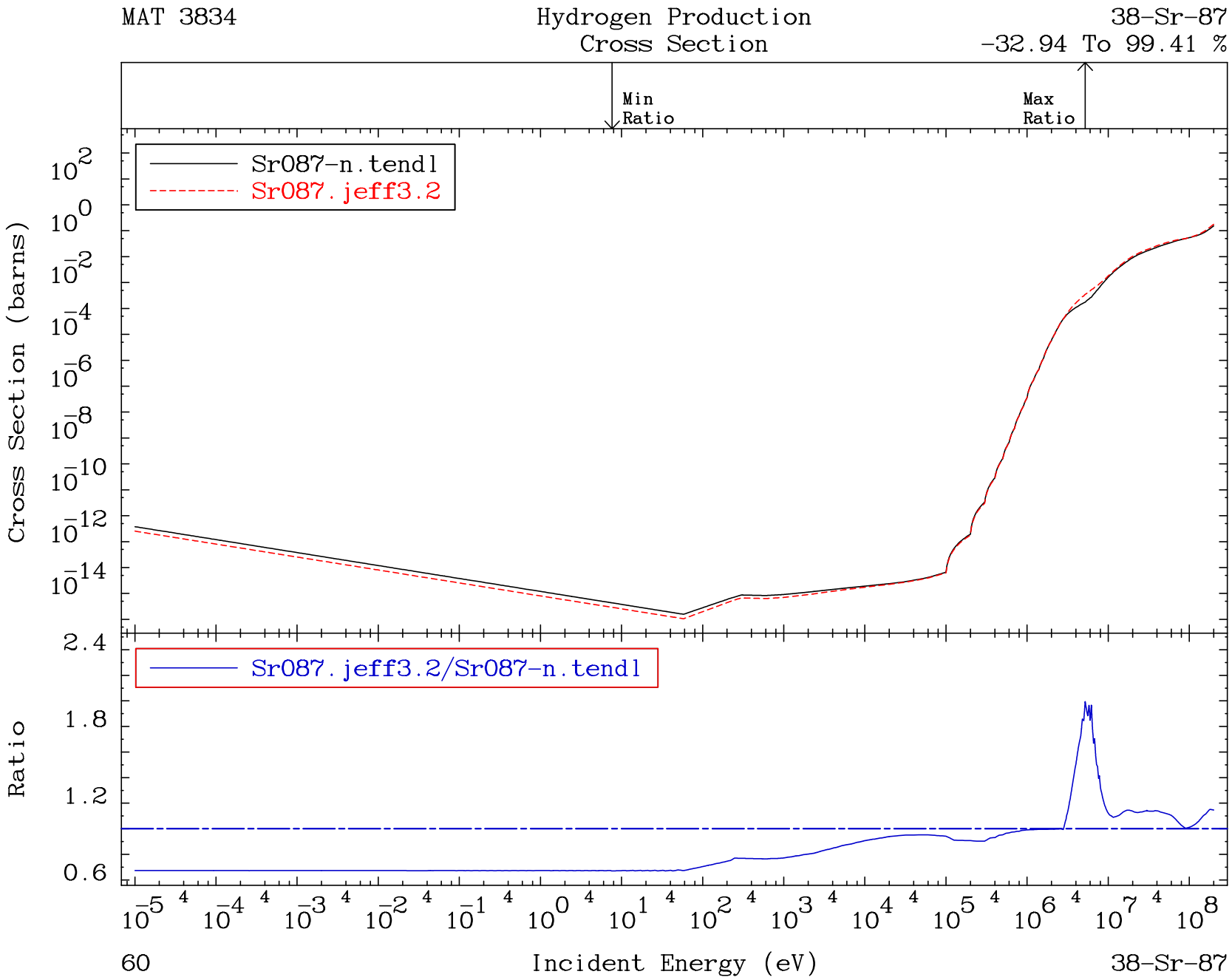

MAT 3834
(n,2p)
Cross Section
38-Sr-87
-74.69 To 208.7 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 8.1487 MeV
Sr087.jeff3.2 Threshold 8.2157 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
6
4
2
10^0
6
4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
38-Sr-87

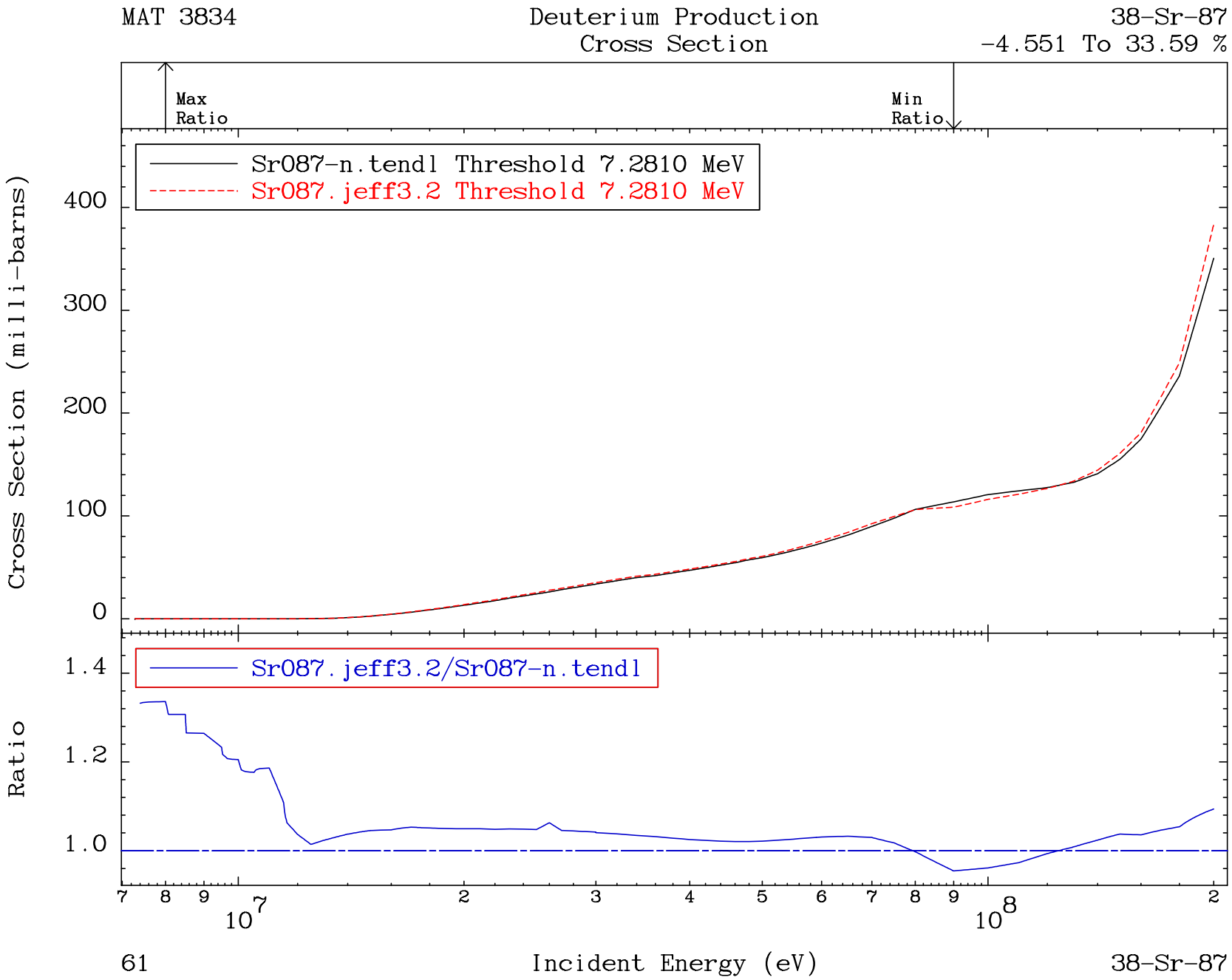

MAT 3834
(n,p) α
Cross Section
38-Sr-87
0.000 To 149.1 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 7.5963 MeV
Sr087.jeff3.2 Threshold 7.6013 MeV
Cross Section (micro-barns)
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.5
2.0
1.5
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
56
Incident Energy (eV)
38-Sr-87

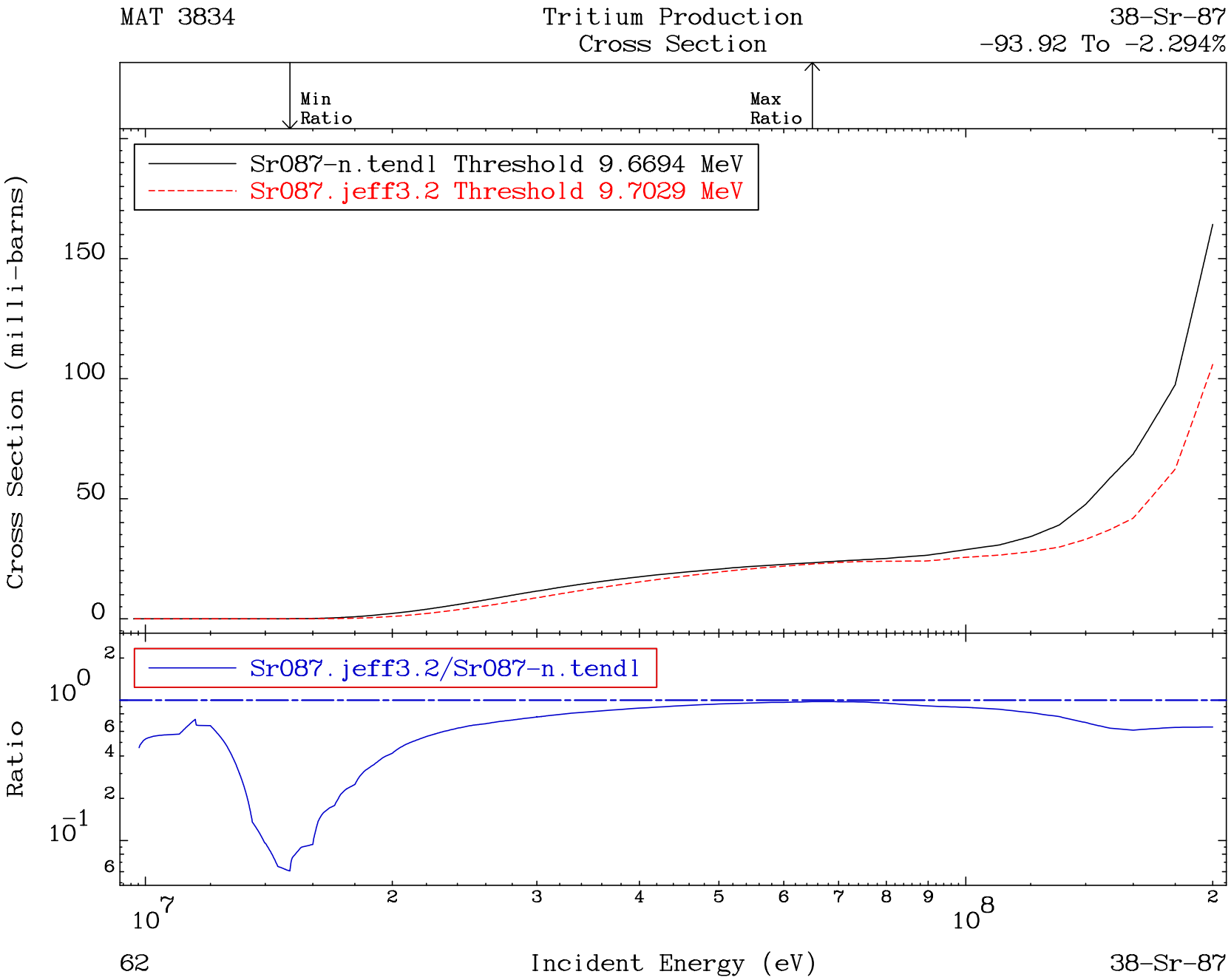

MAT 3834
(n,p) d
Cross Section
38-Sr-87
0.000 To 95.51 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 15.936 MeV
Sr087.jeff3.2 Threshold 15.936 MeV
Cross Section (micro-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
57
38-Sr-87

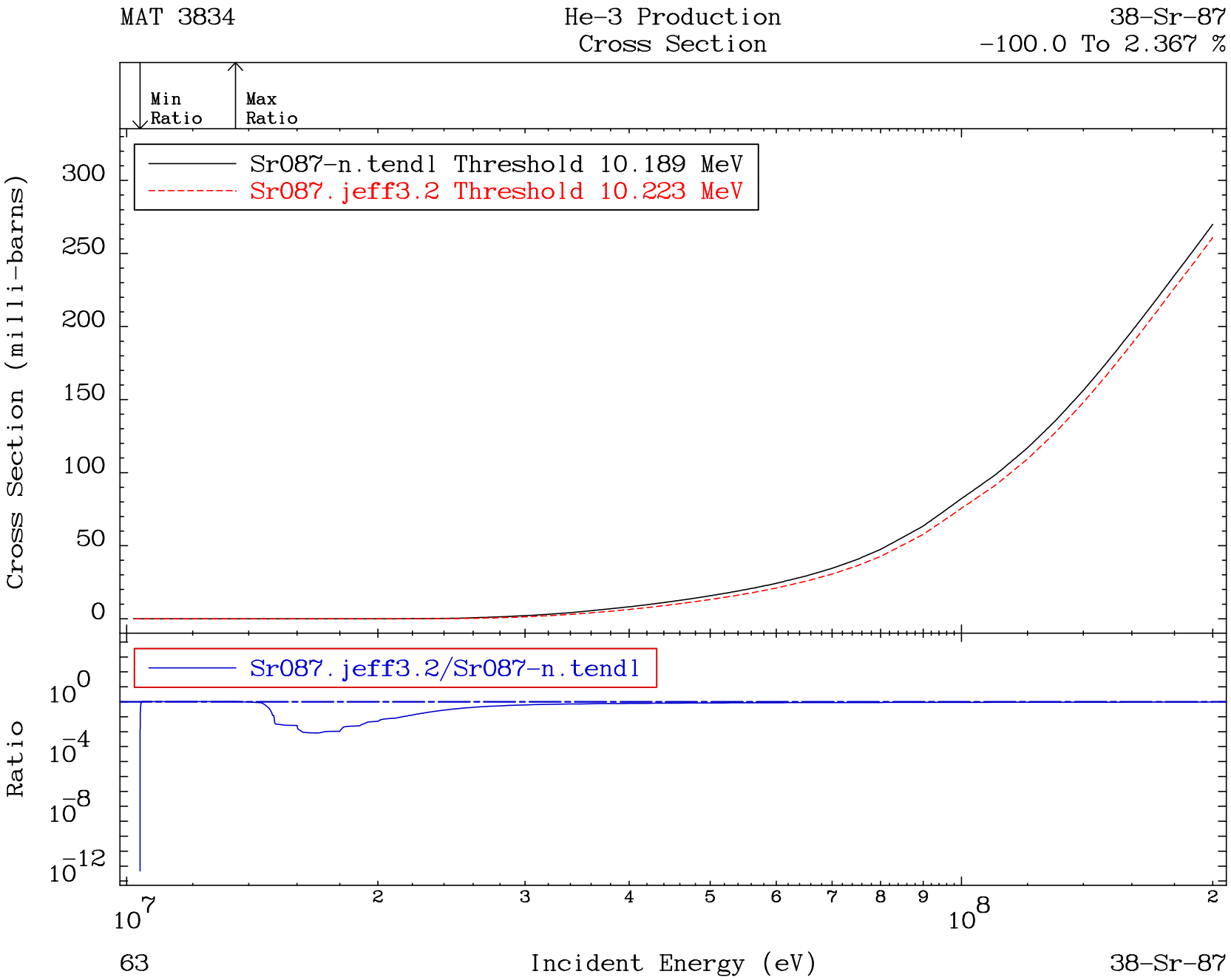

MAT 3834
(n,p) t
Cross Section
38-Sr-87
-52.48 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 16.767 MeV
Sr087.jeff3.2 Threshold 16.810 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
38-Sr-87

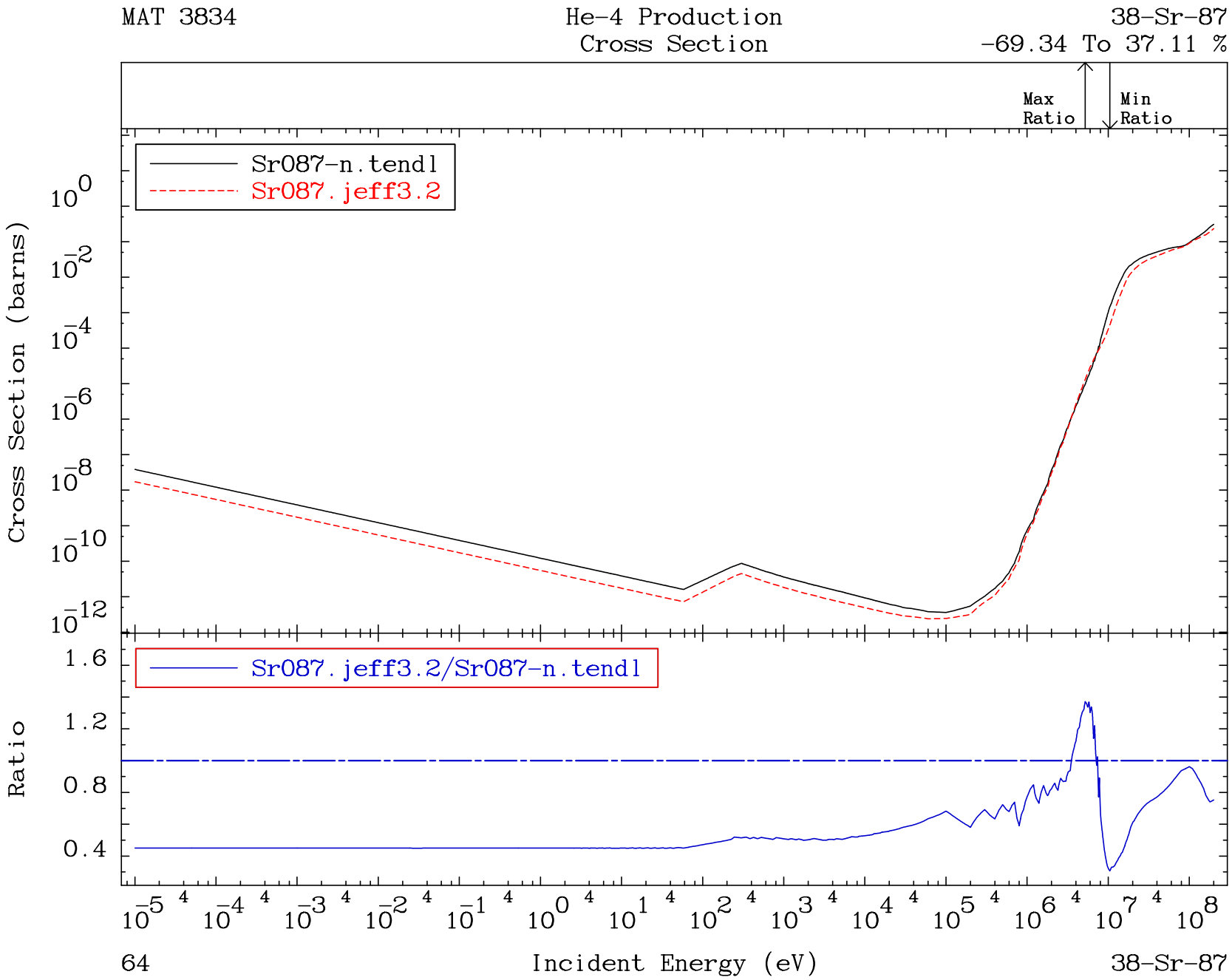

MAT 3834
(n,d) α
Cross Section
38-Sr-87
0.000 To 106.8 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 15.045 MeV
Sr087.jeff3.2 Threshold 15.045 MeV
Cross Section (10^-9 barns)
12
10
8
6
4
2
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.4
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
38-Sr-87

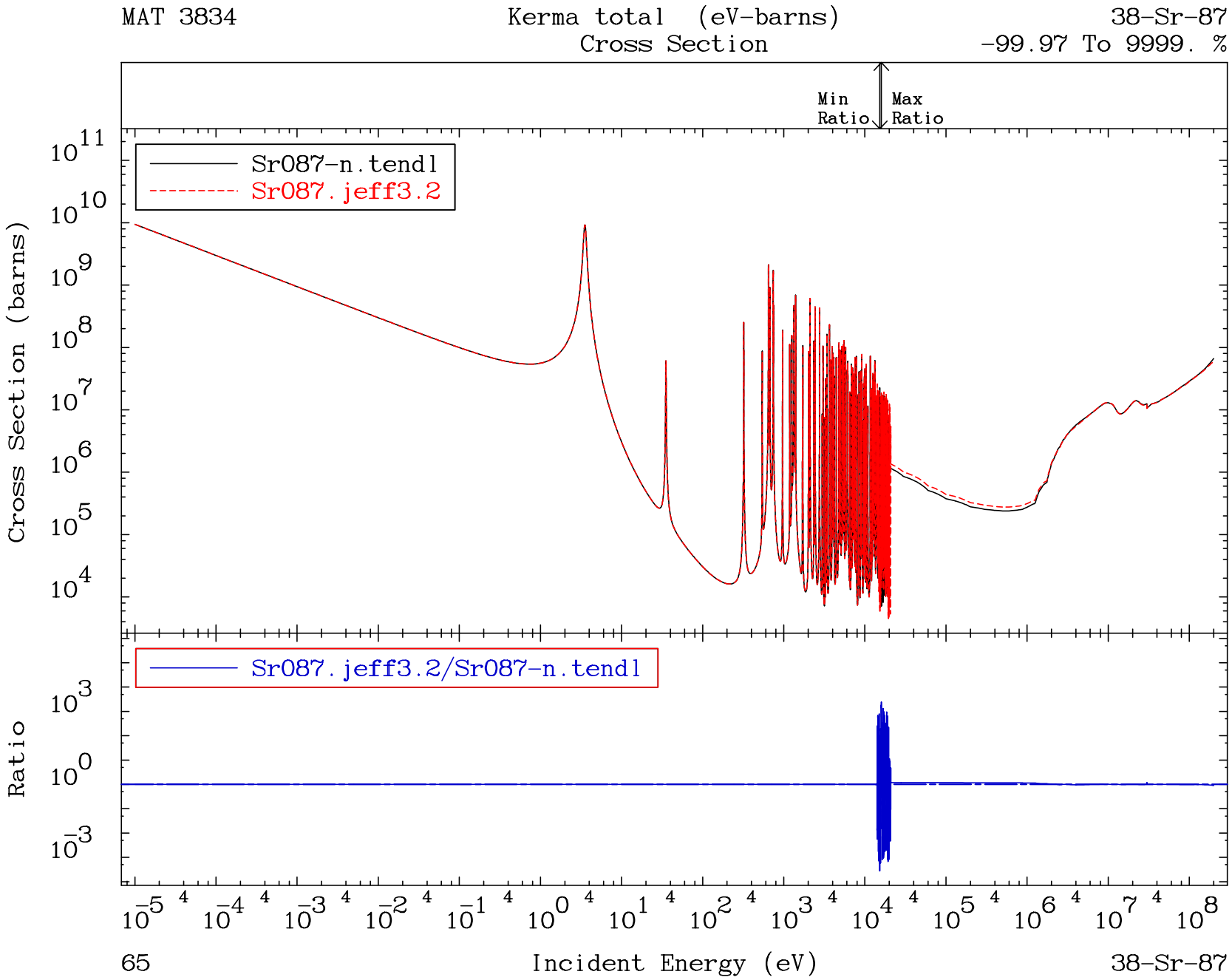

MAT 3834
Hydrogen Production
Cross Section
38-Sr-87
-32.94 To 99.41 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
60
38-Sr-87

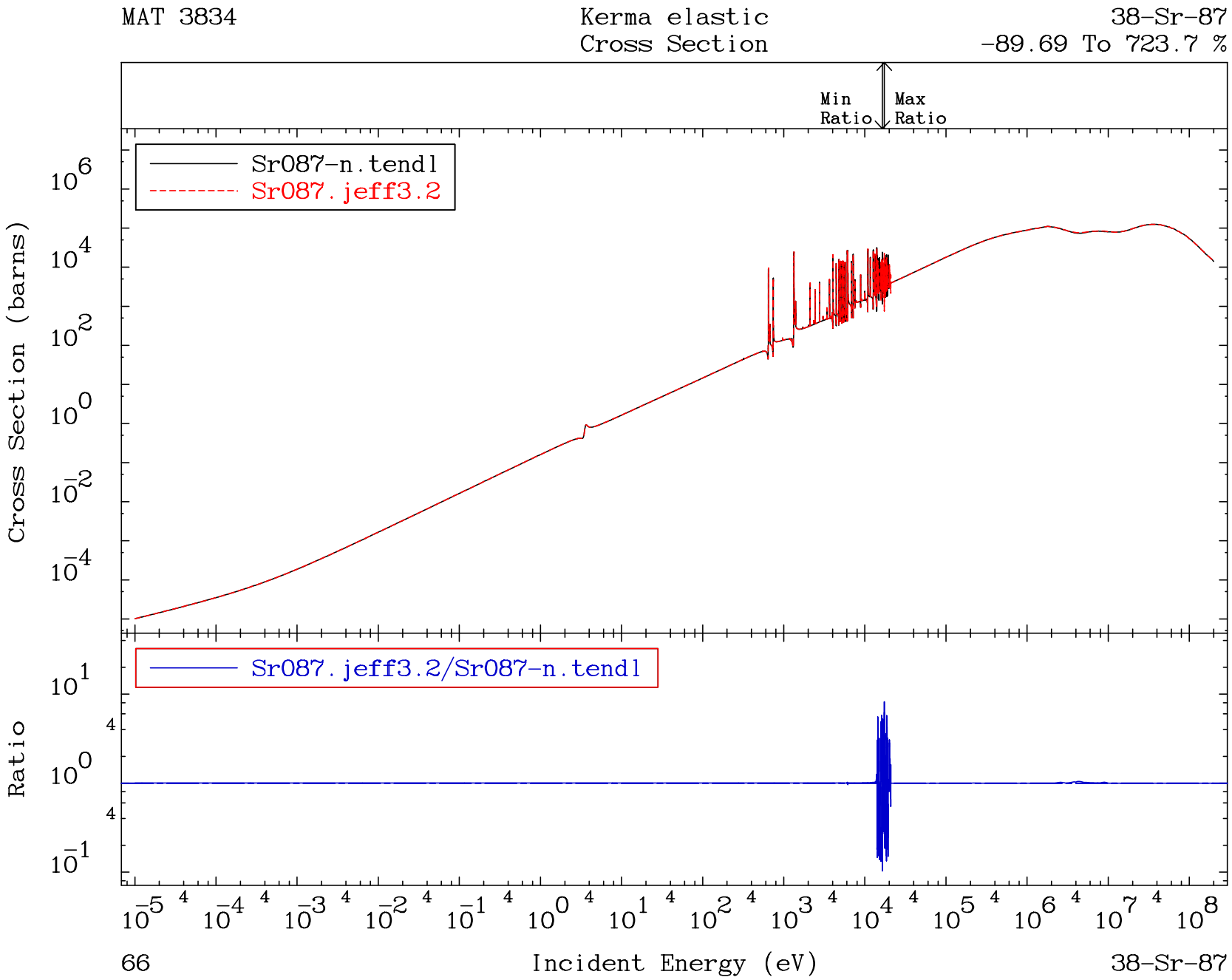

MAT 3834
Deuterium Production
Cross Section
38-Sr-87
-4.551 To 33.59 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 7.2810 MeV
Sr087.jeff3.2 Threshold 7.2810 MeV
Cross Section (milli-barns)
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
61
Incident Energy (eV)
38-Sr-87

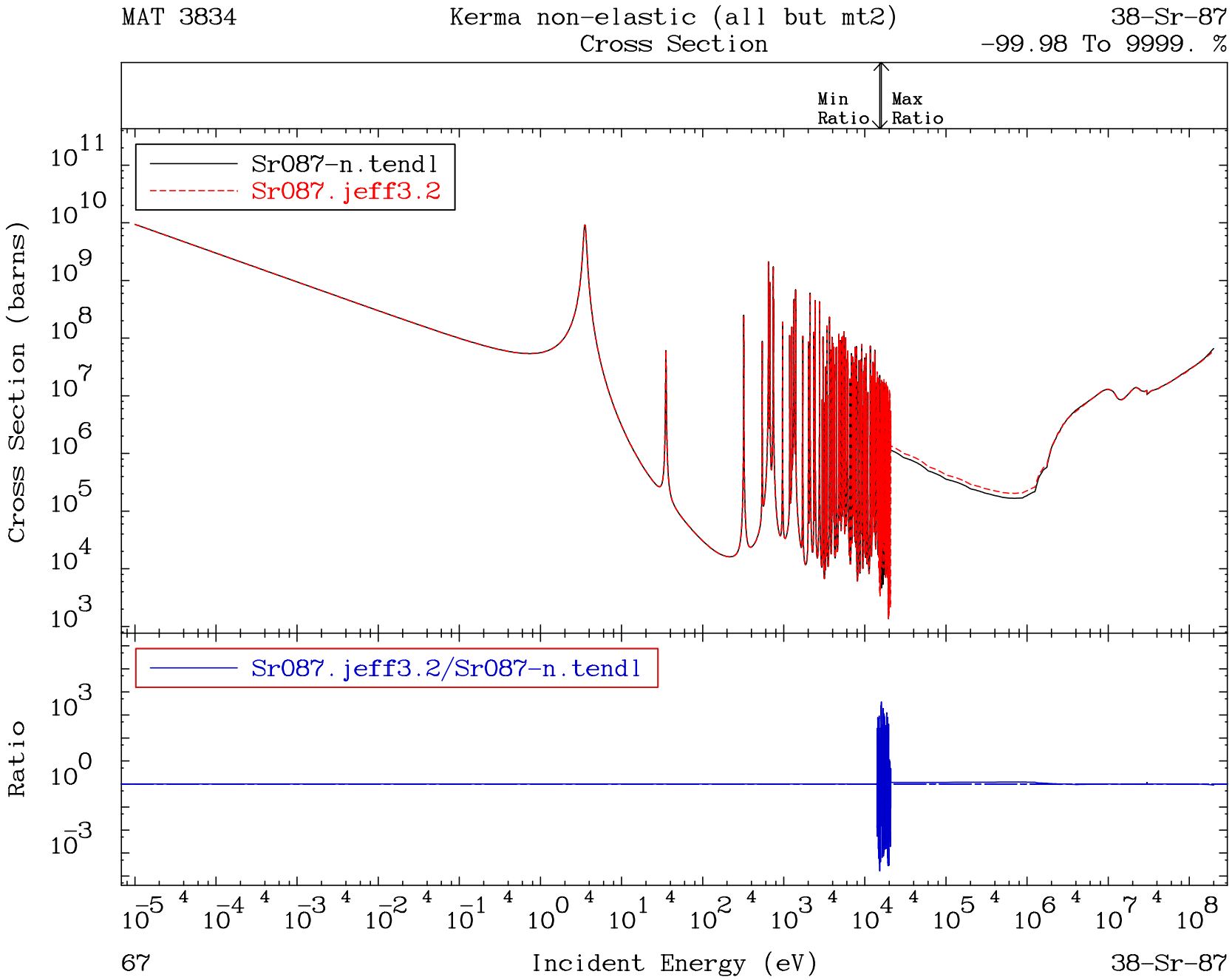

MAT 3834
Tritium Production
Cross Section
38-Sr-87
-93.92 To -2.294%
Min
Ratio
Max
Ratio
Sr087-n.tendl Threshold 9.6694 MeV
Sr087.jeff3.2 Threshold 9.7029 MeV
Cross Section (milli-barns)
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-1
2
6
4
2
6
10^7
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
38-Sr-87

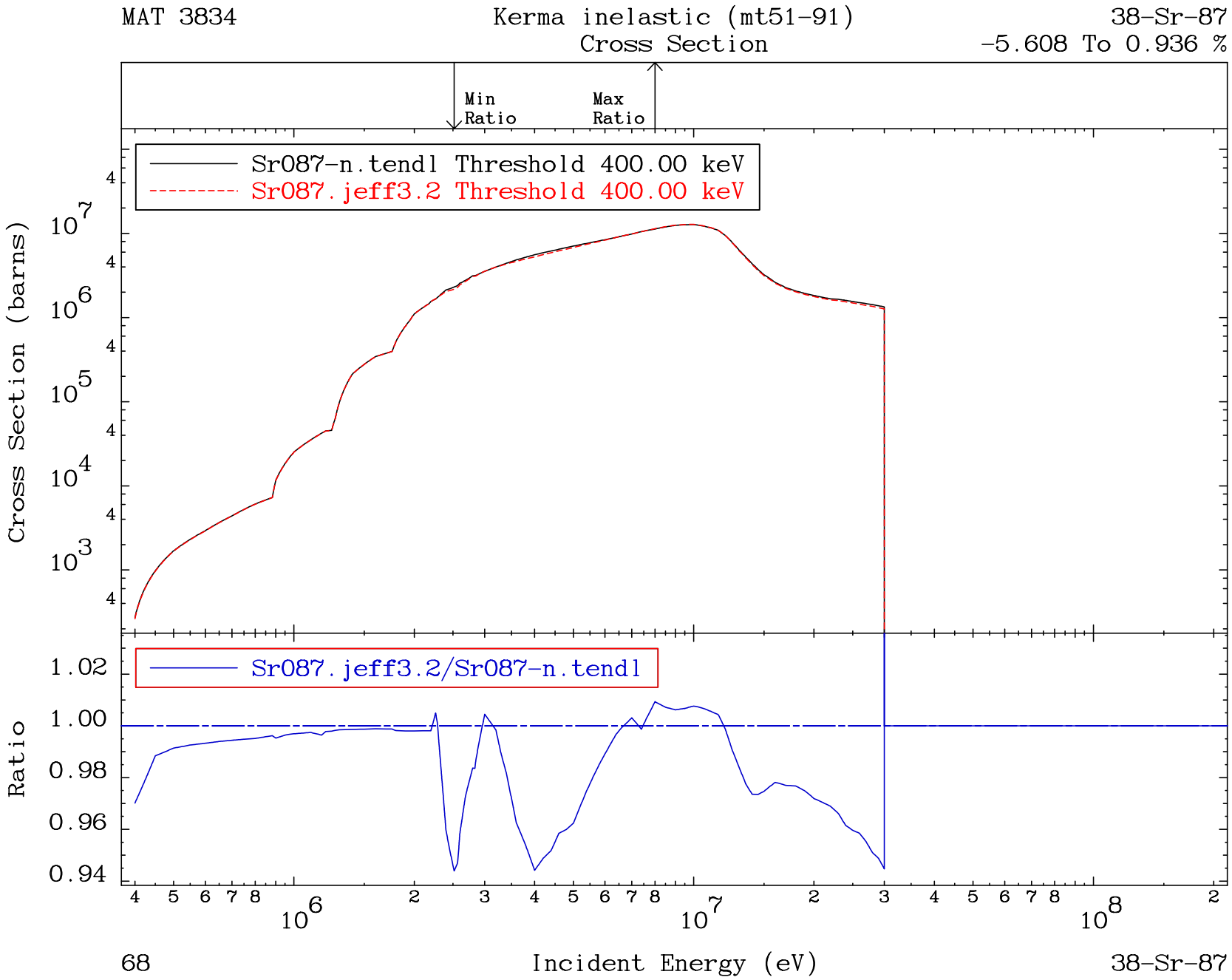

MAT 3834
He-3 Production
Cross Section
38-Sr-87
-100.0 To 2.367 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 10.189 MeV
Sr087.jeff3.2 Threshold 10.223 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-4
10^-8
10^-12
10^7
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
38-Sr-87

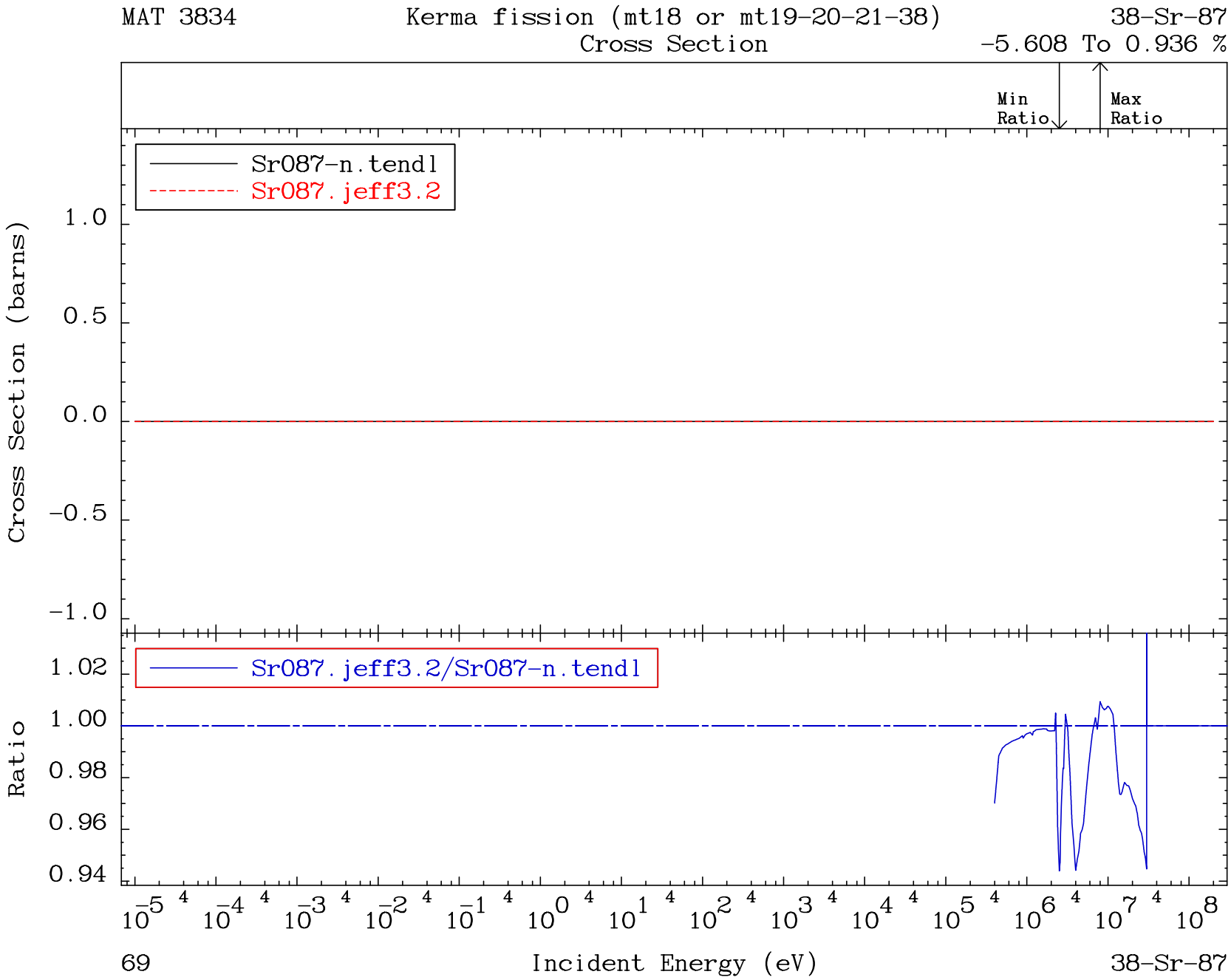

MAT 3834
He-4 Production
Cross Section
38-Sr-87
-69.34 To 37.11 %
Max Ratio
Min Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
64
38-Sr-87

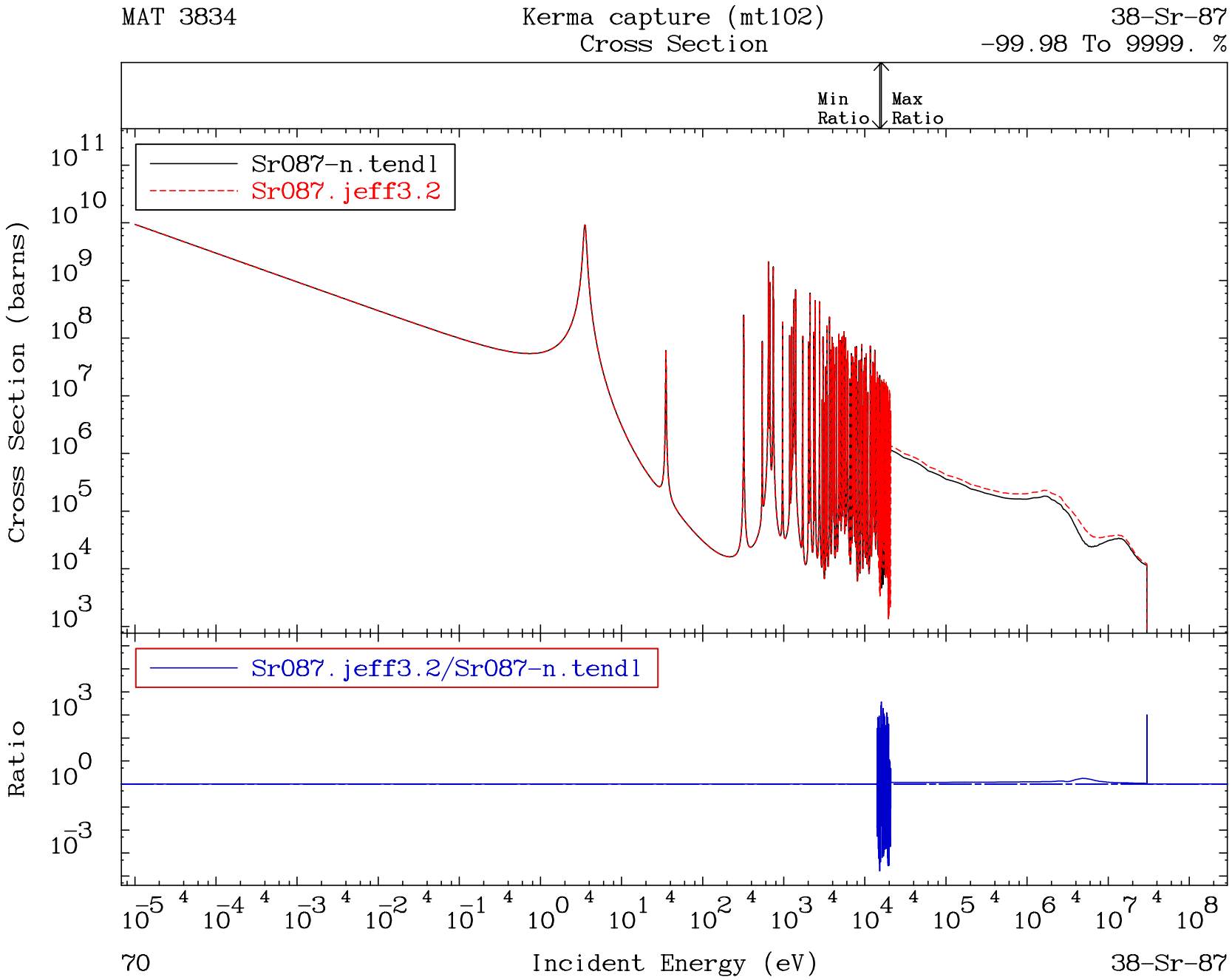

MAT 3834
Kerma total (eV-barns)
Cross Section
38-Sr-87
-99.97 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
65
38-Sr-87

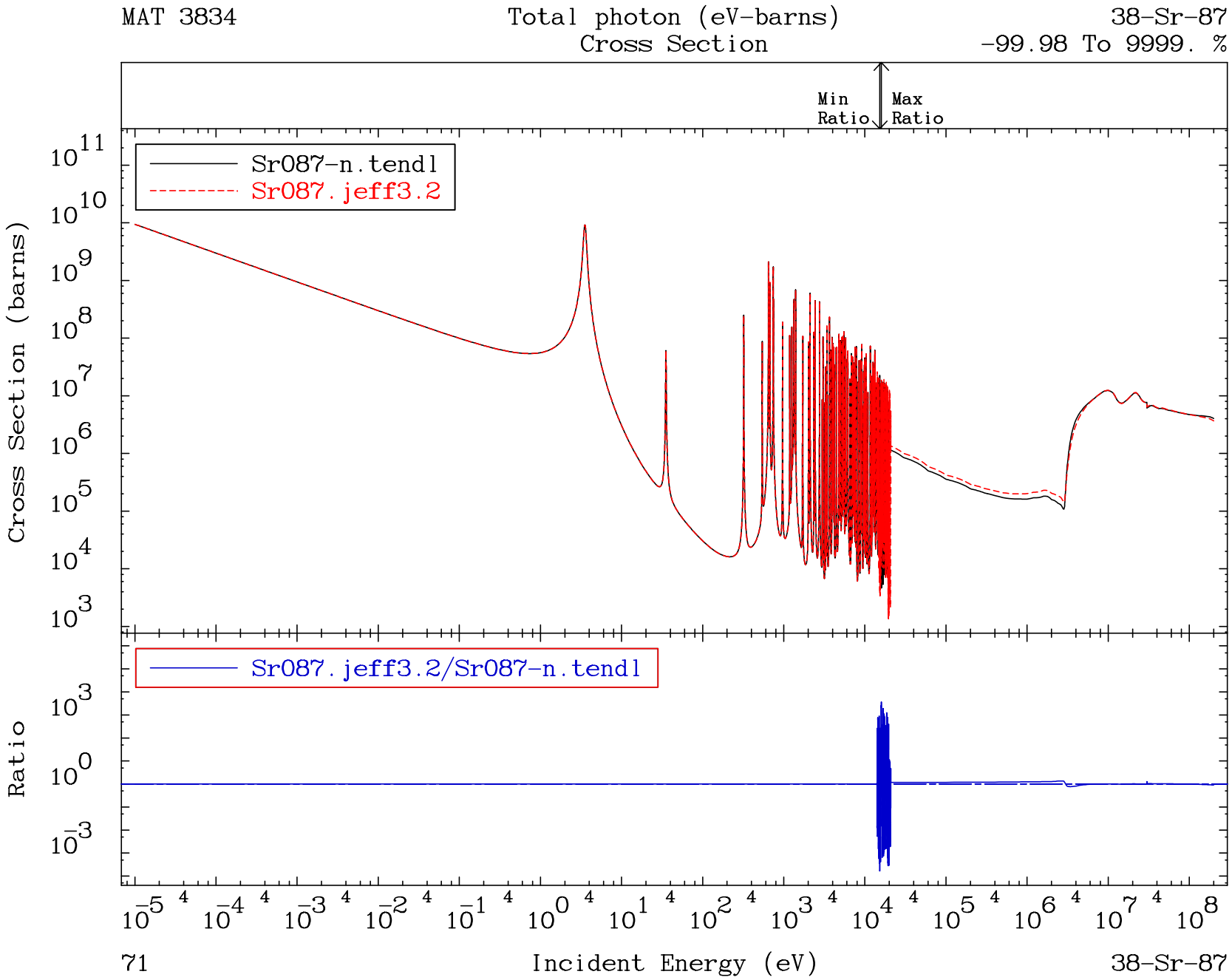

MAT 3834
Kerma elastic
Cross Section
38-Sr-87
-89.69 To 723.7 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
66
38-Sr-87

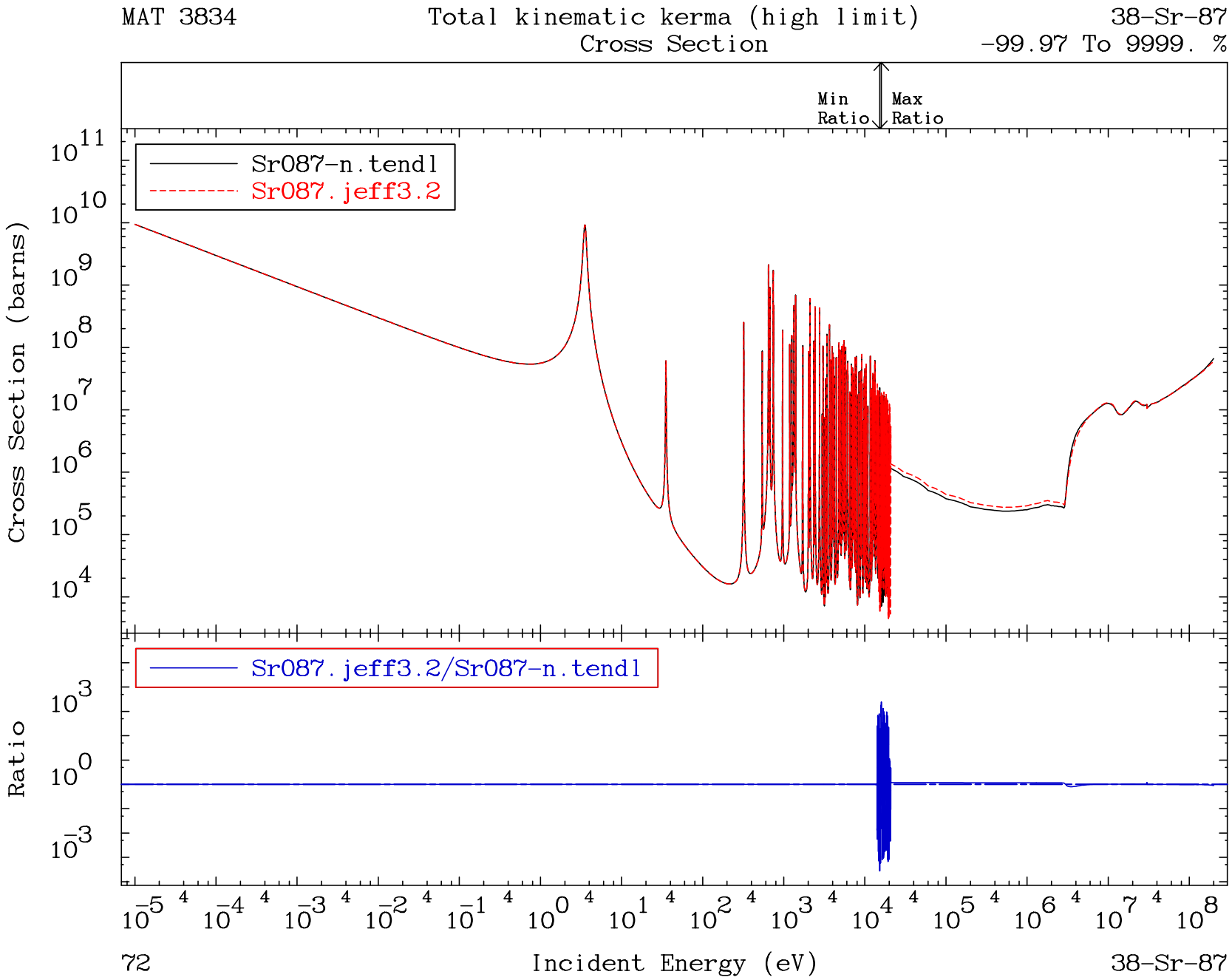

MAT 3834
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-87
-99.98 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
67
38-Sr-87

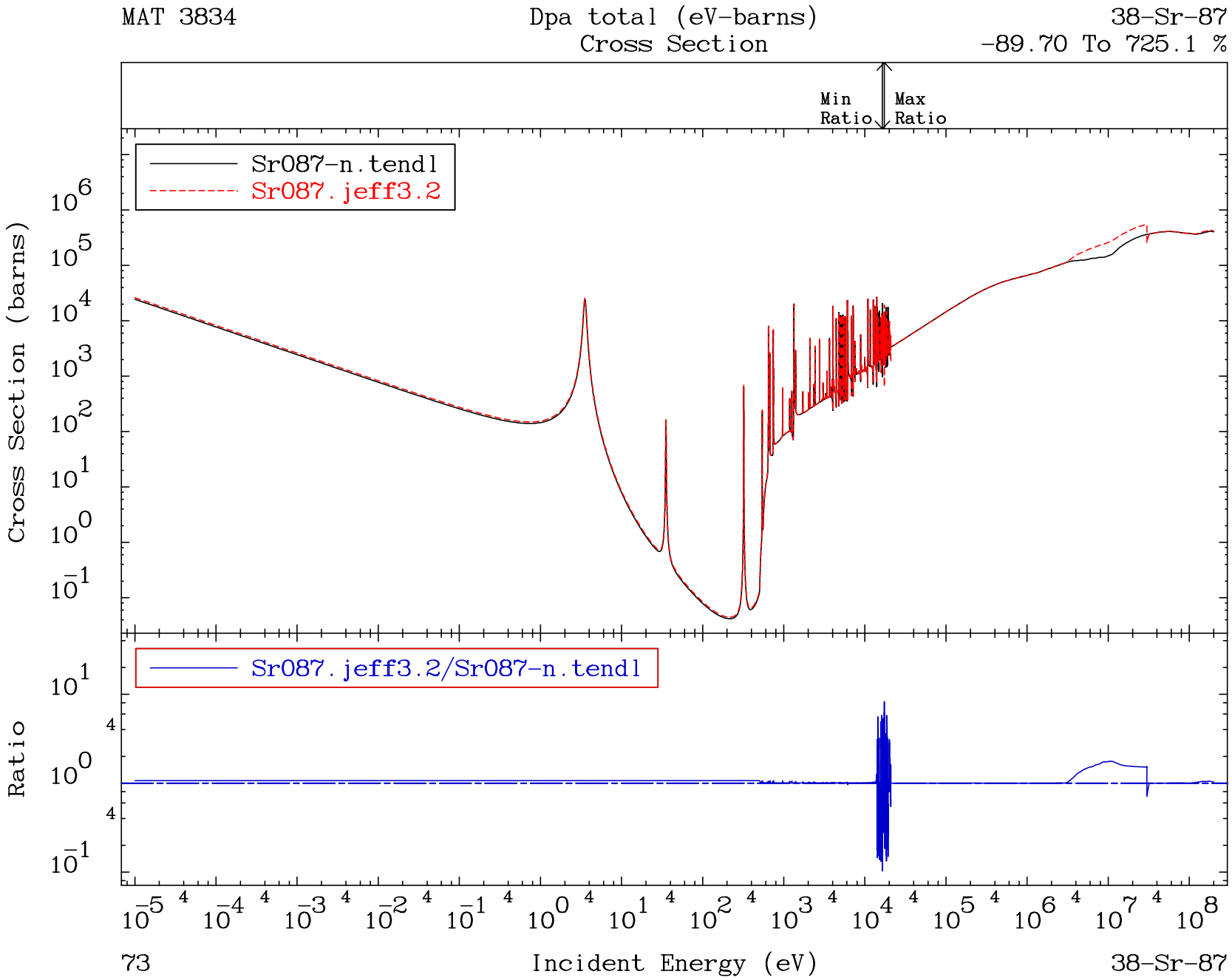

MAT 3834
Kerma inelastic (mt51-91)
Cross Section
38-Sr-87
-5.608 To 0.936 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 400.00 keV
Sr087.jeff3.2 Threshold 400.00 keV
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
68
38-Sr-87

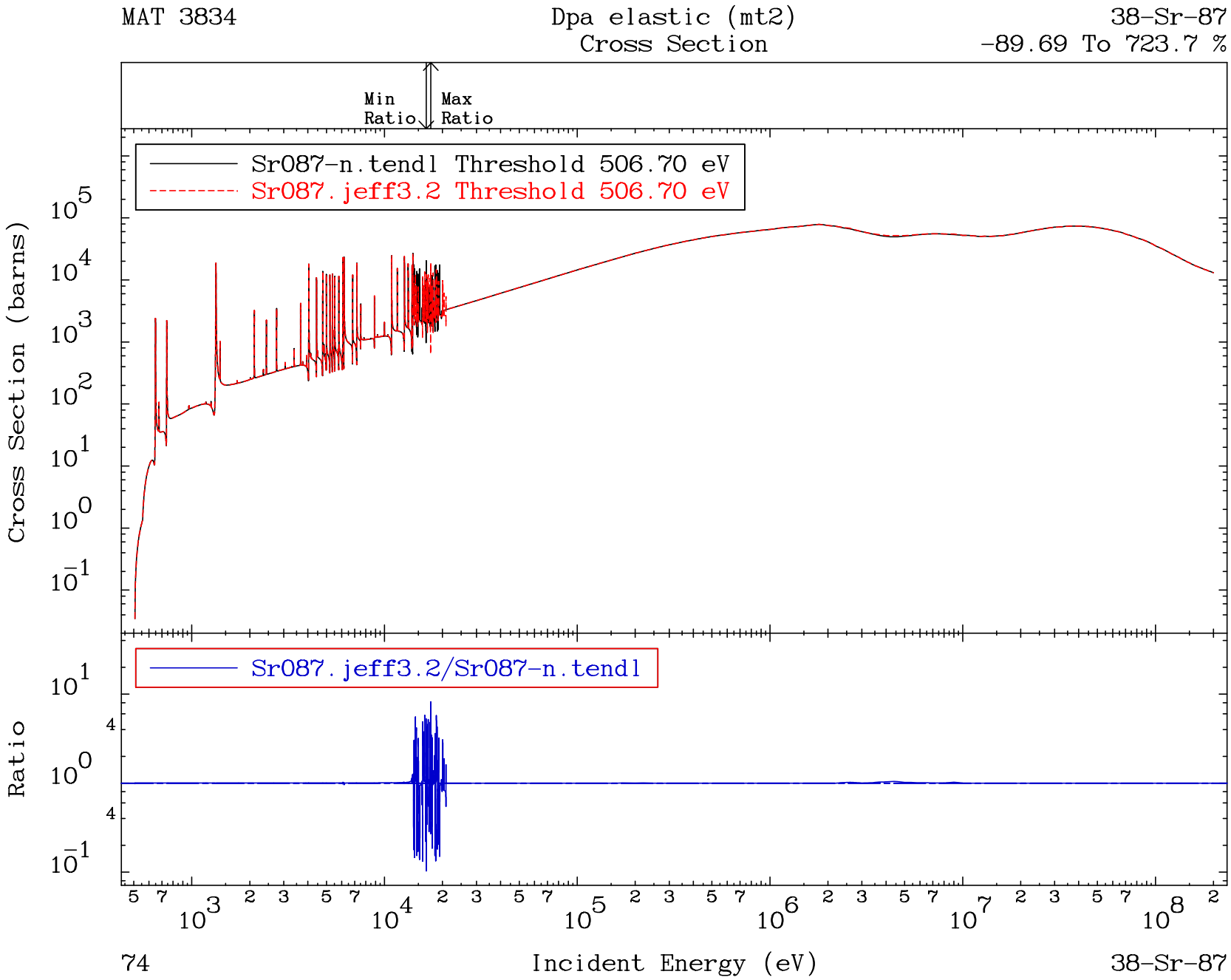

MAT 3834
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-87
-5.608 To 0.936 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.02
1.00
0.98
0.96
0.94
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
69
Incident Energy (eV)
38-Sr-87

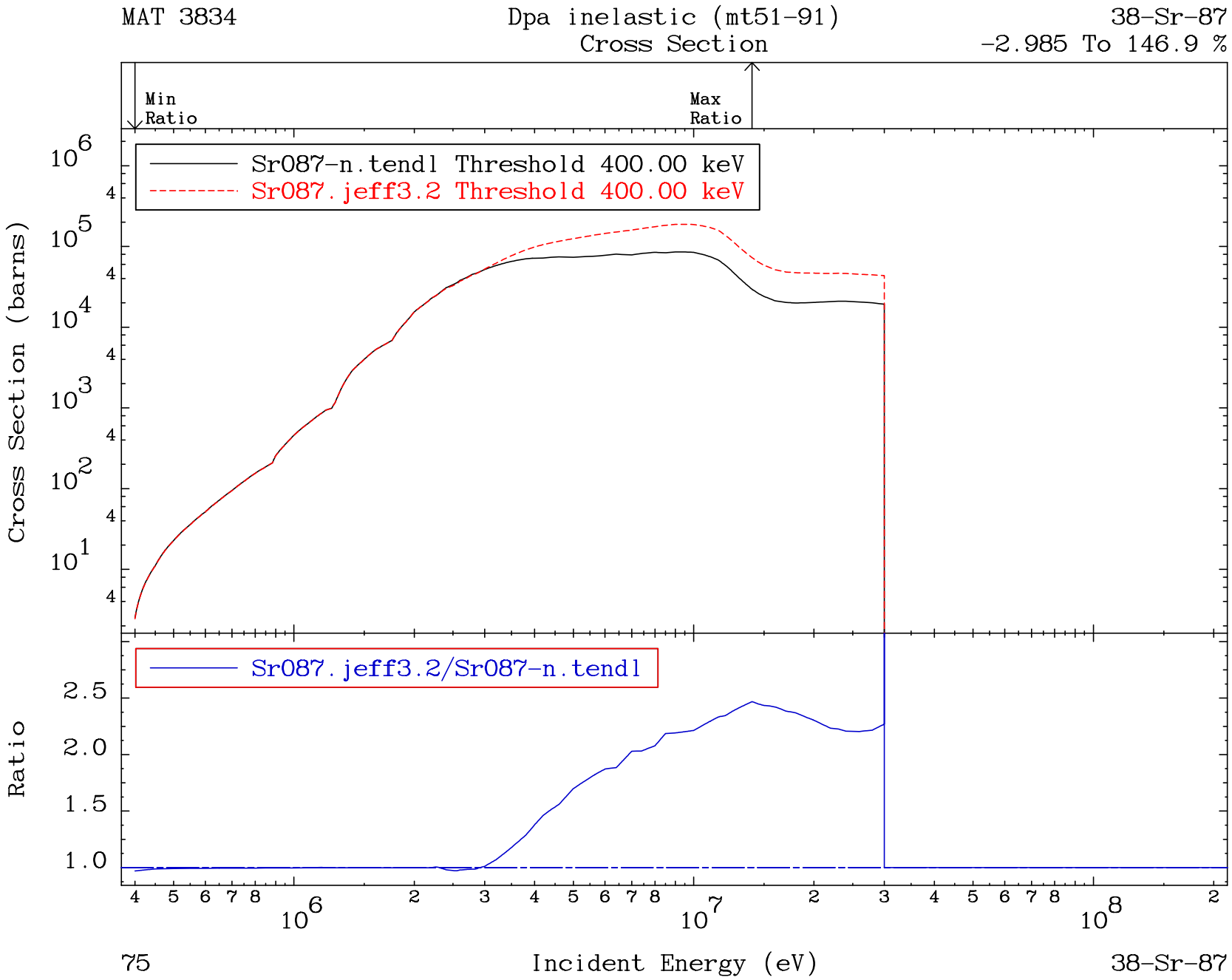

MAT 3834
Kerma capture (mt102)
Cross Section
38-Sr-87
-99.98 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
70
38-Sr-87

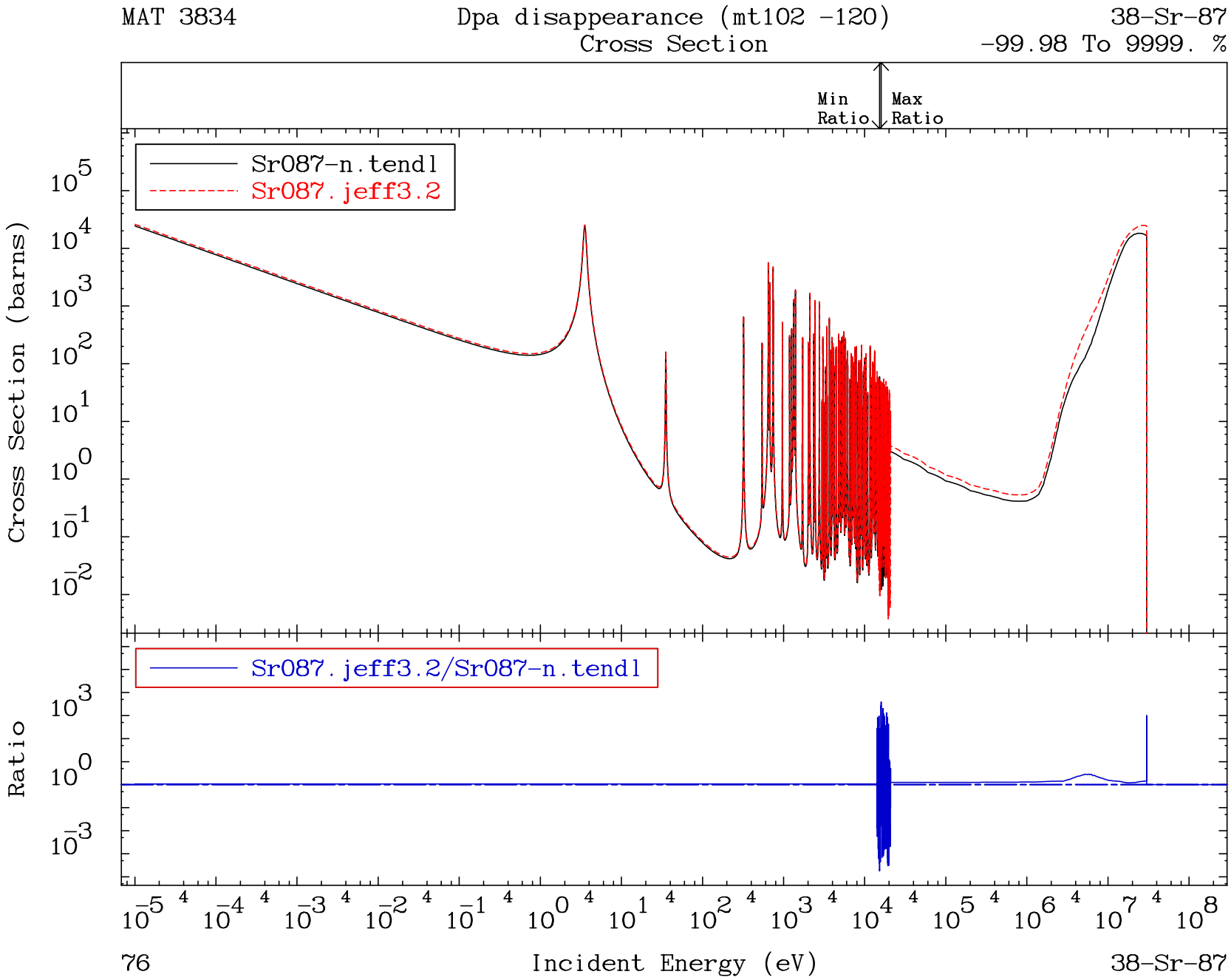

MAT 3834
Total photon (eV-barns)
Cross Section
38-Sr-87
-99.98 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
71
38-Sr-87

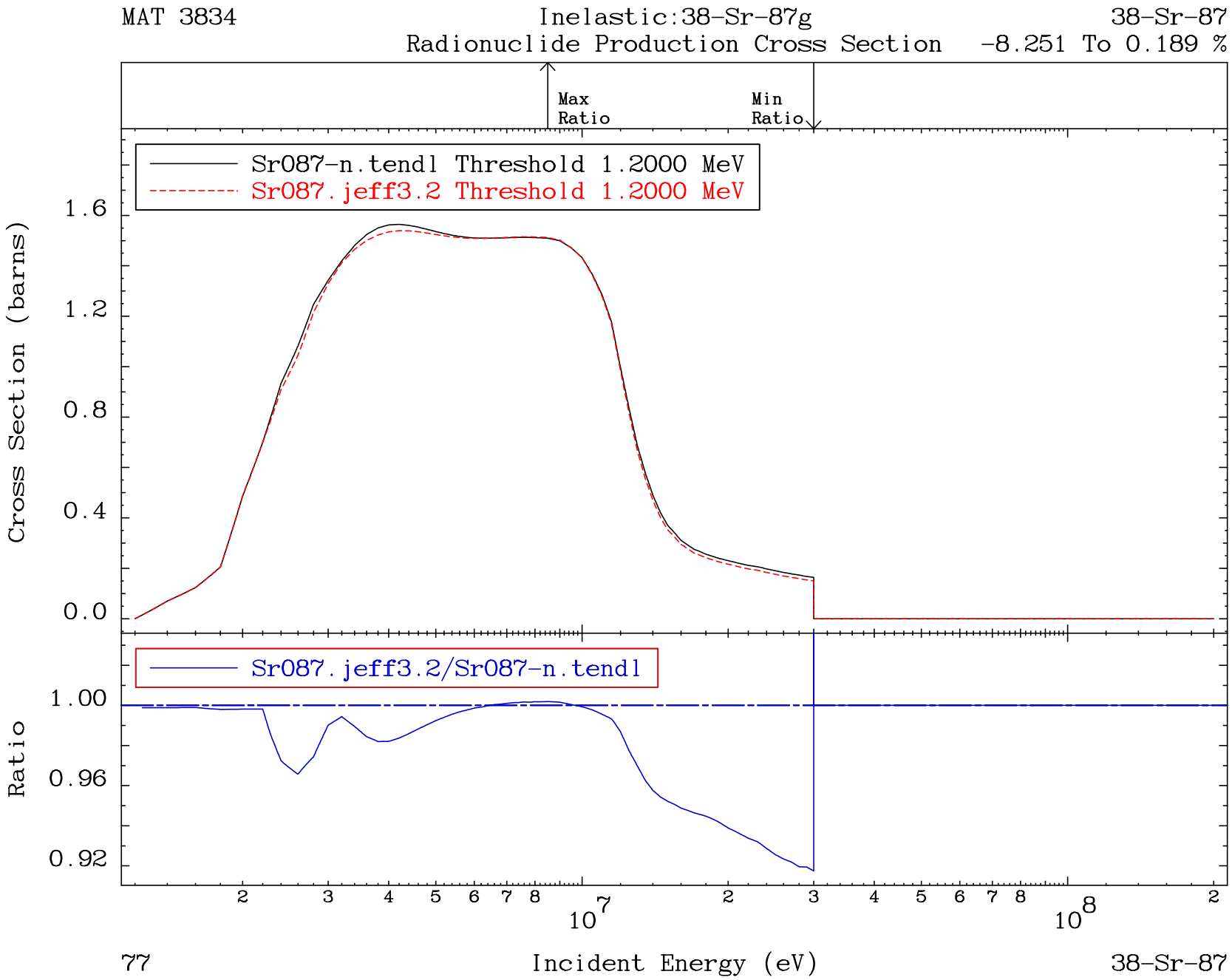

MAT 3834
Total kinematic kerma (high limit)
Cross Section
38-Sr-87
-99.97 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
72
38-Sr-87

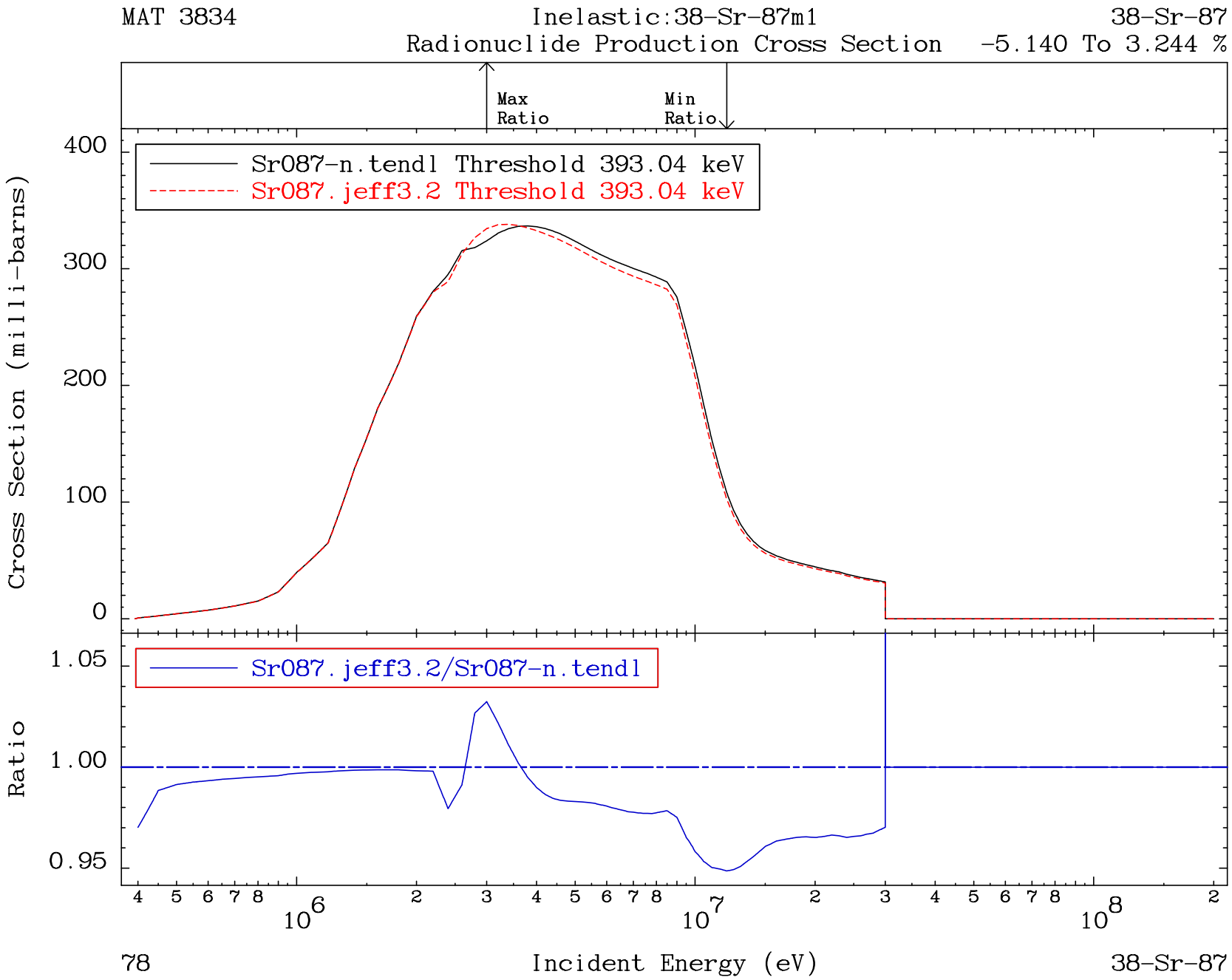

MAT 3834
Dpa total (eV-barns)
Cross Section
38-Sr-87
-89.70 To 725.1 %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
73
38-Sr-87

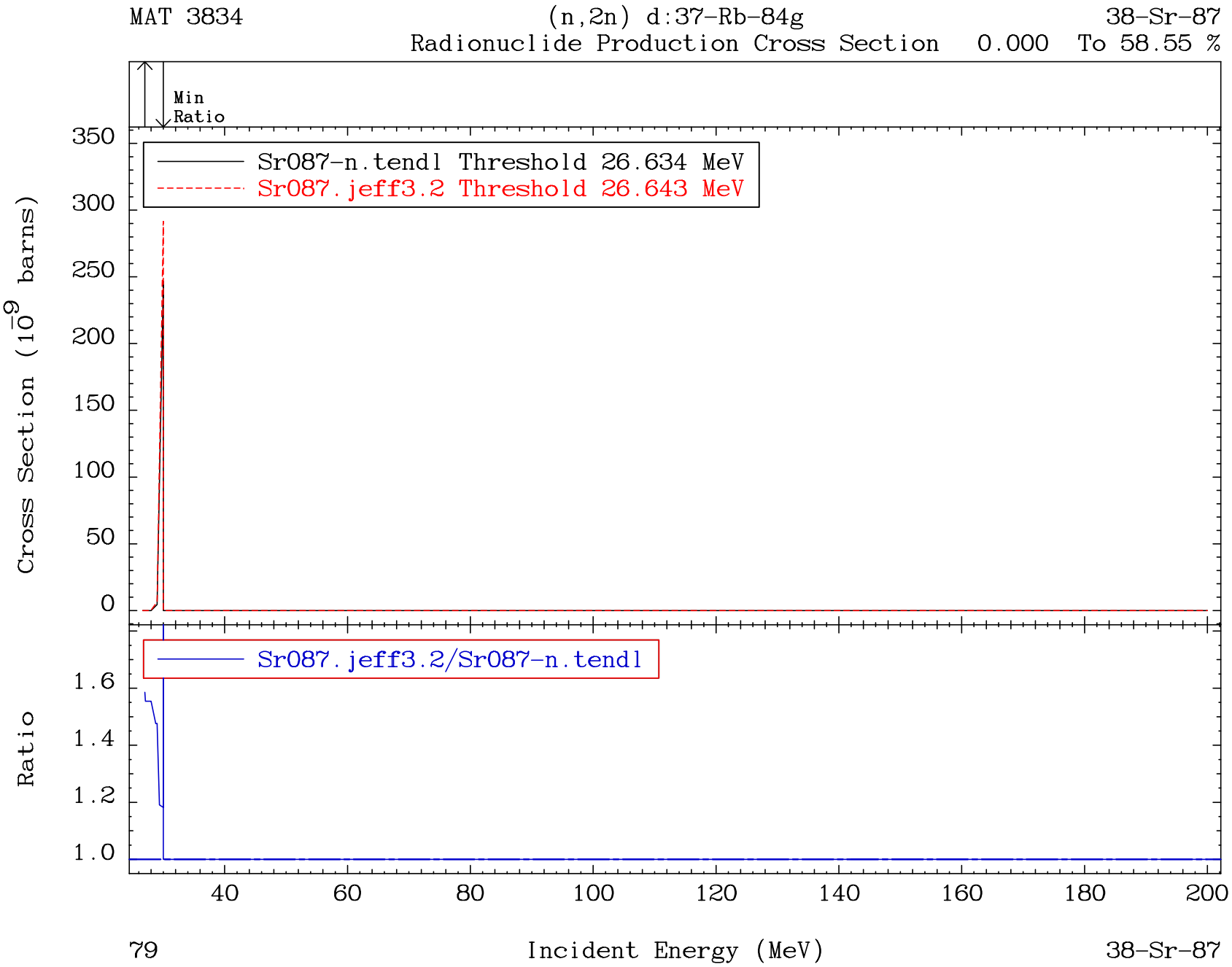

MAT 3834
Dpa elastic (mt2)
Cross Section
38-Sr-87
-89.69 To 723.7 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 506.70 eV
Sr087.jeff3.2 Threshold 506.70 eV
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
74
38-Sr-87

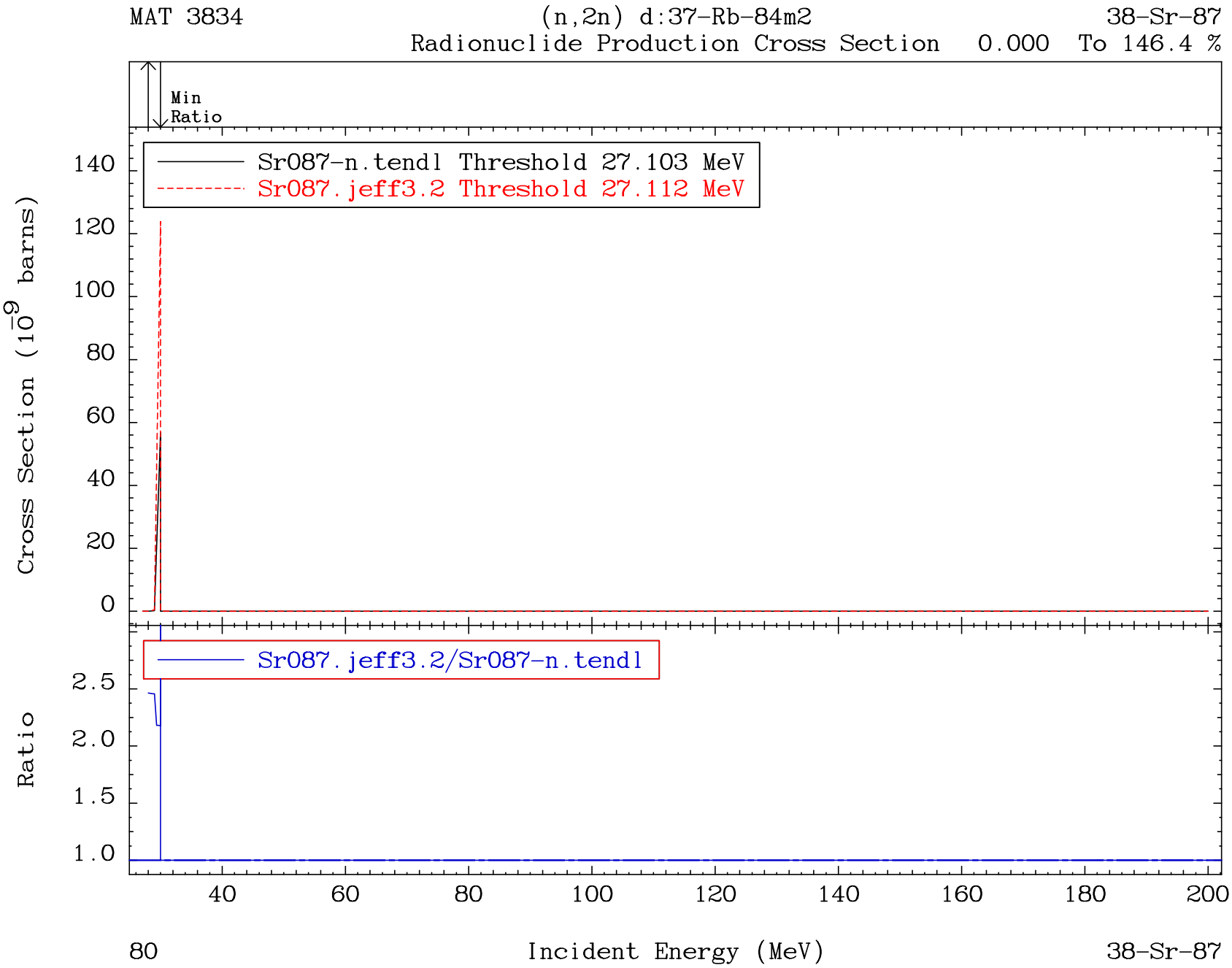

MAT 3834
Dpa inelastic (mt51-91)
Cross Section
38-Sr-87
-2.985 To 146.9 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 400.00 keV
Sr087.jeff3.2 Threshold 400.00 keV
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
75
38-Sr-87

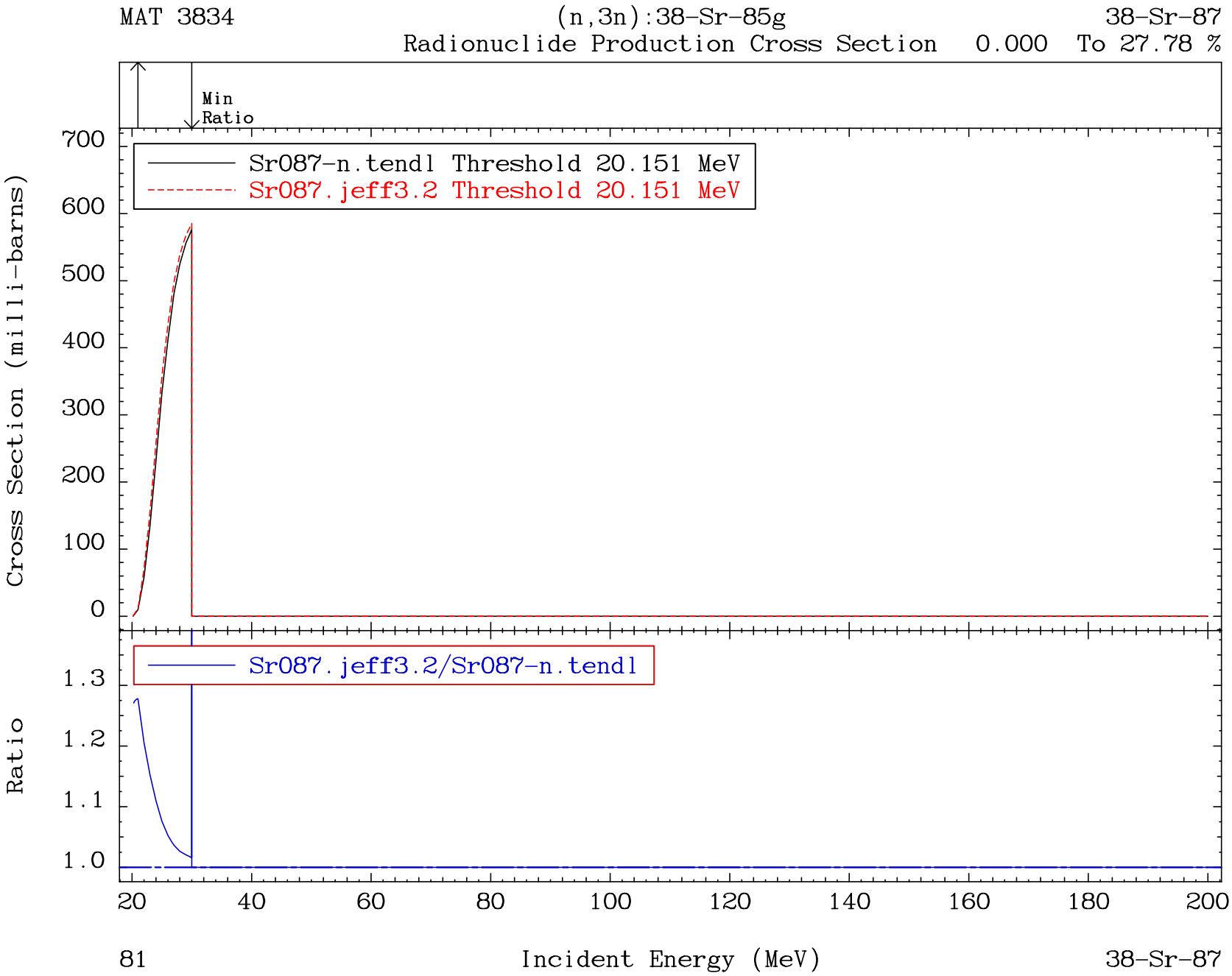

MAT 3834
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-87
-99.98 To 9999. %
Min Ratio
Max Ratio
Sr087-n.tendl
Sr087.jeff3.2
Cross Section (barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
76
38-Sr-87

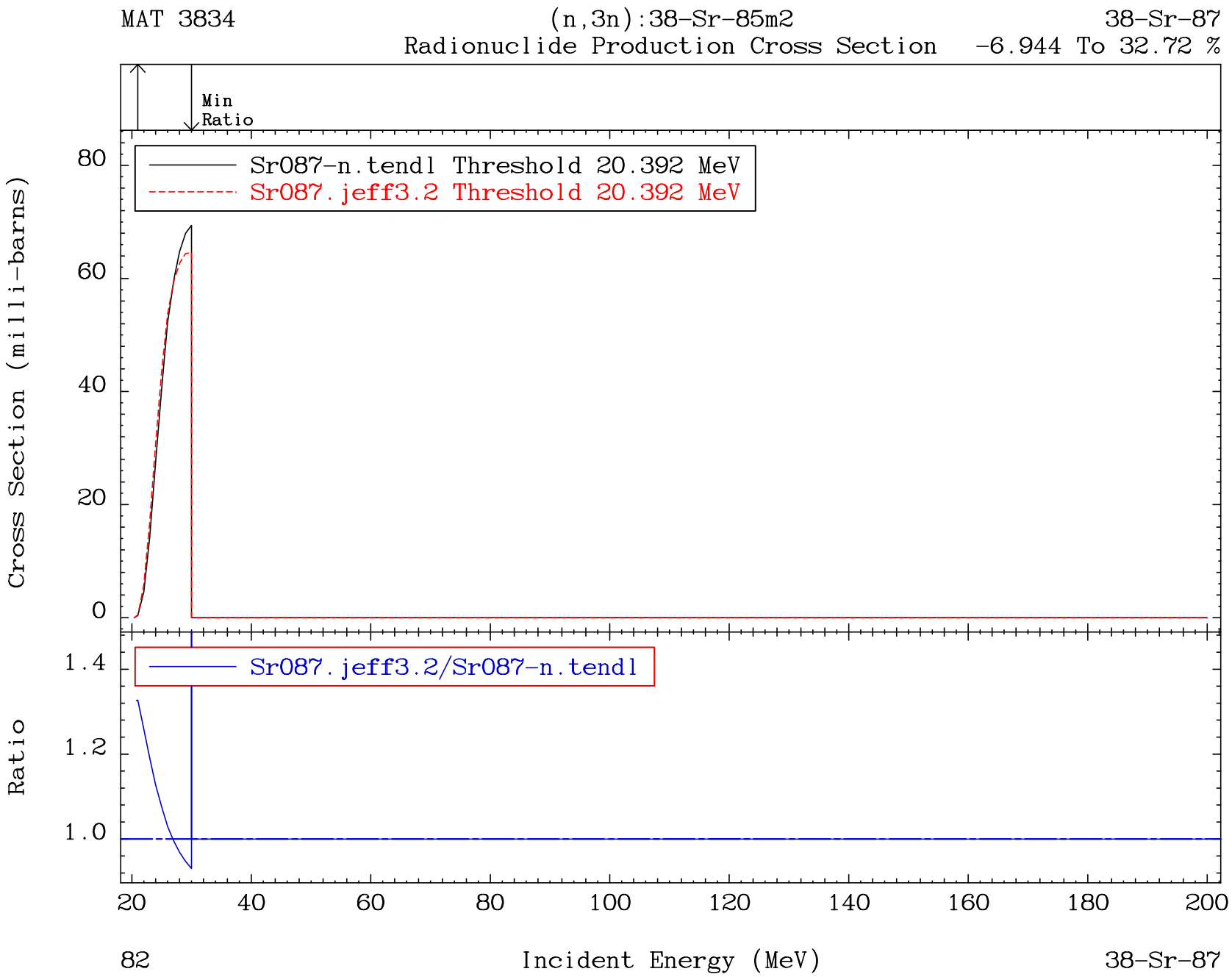

MAT 3834
Inelastic:38-Sr-87g
38-Sr-87
Radionuclide Production Cross Section
-8.251 To 0.189 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 1.2000 MeV
Sr087.jeff3.2 Threshold 1.2000 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.00
0.96
0.92
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
77
Incident Energy (eV)
38-Sr-87

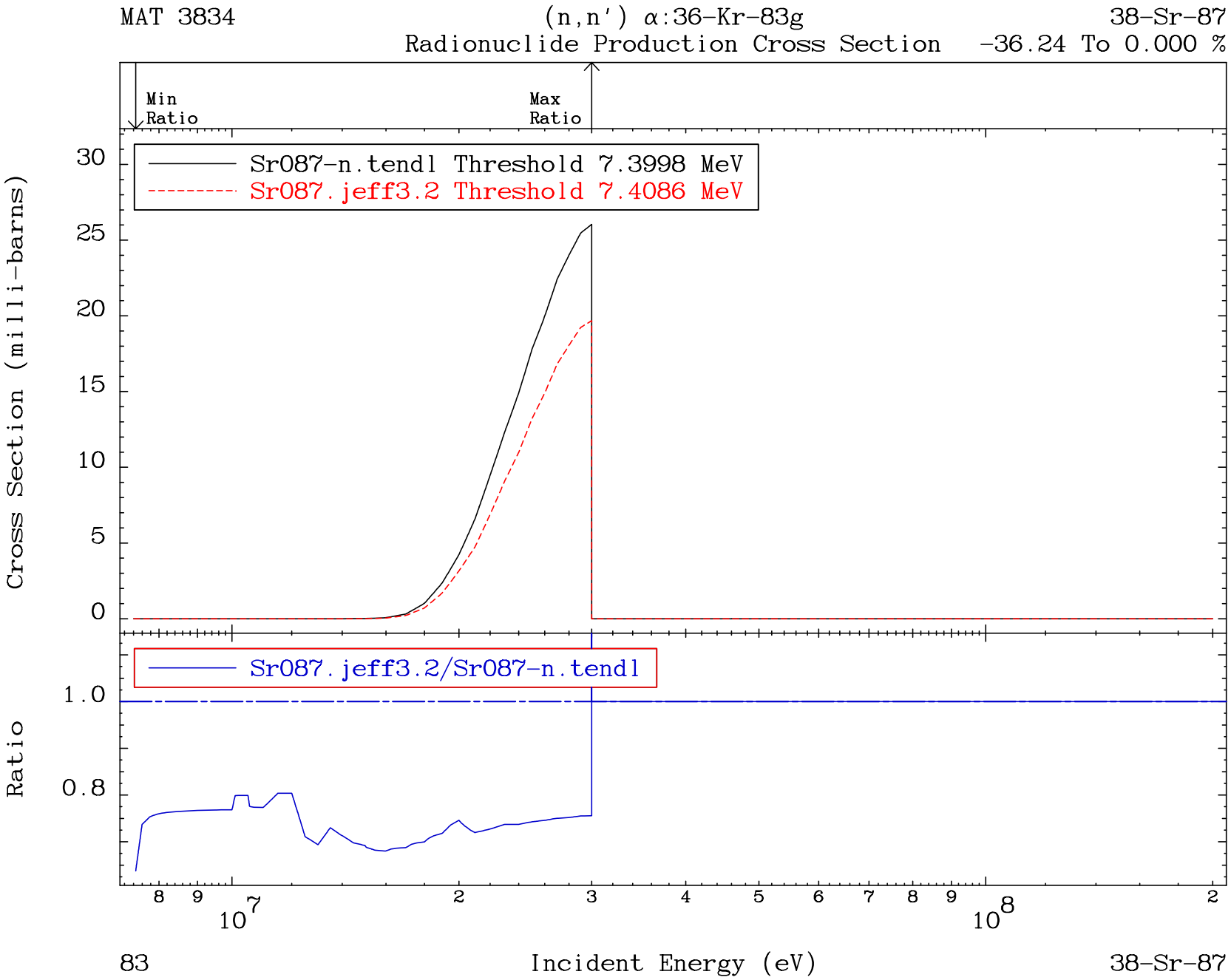

MAT 3834
Inelastic:38-Sr-87m1
38-Sr-87
Radionuclide Production Cross Section -5.140 To 3.244 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 393.04 keV
Sr087.jeff3.2 Threshold 393.04 keV
Cross Section (milli-barns)
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.05
1.00
0.95
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
78
Incident Energy (eV)
38-Sr-87

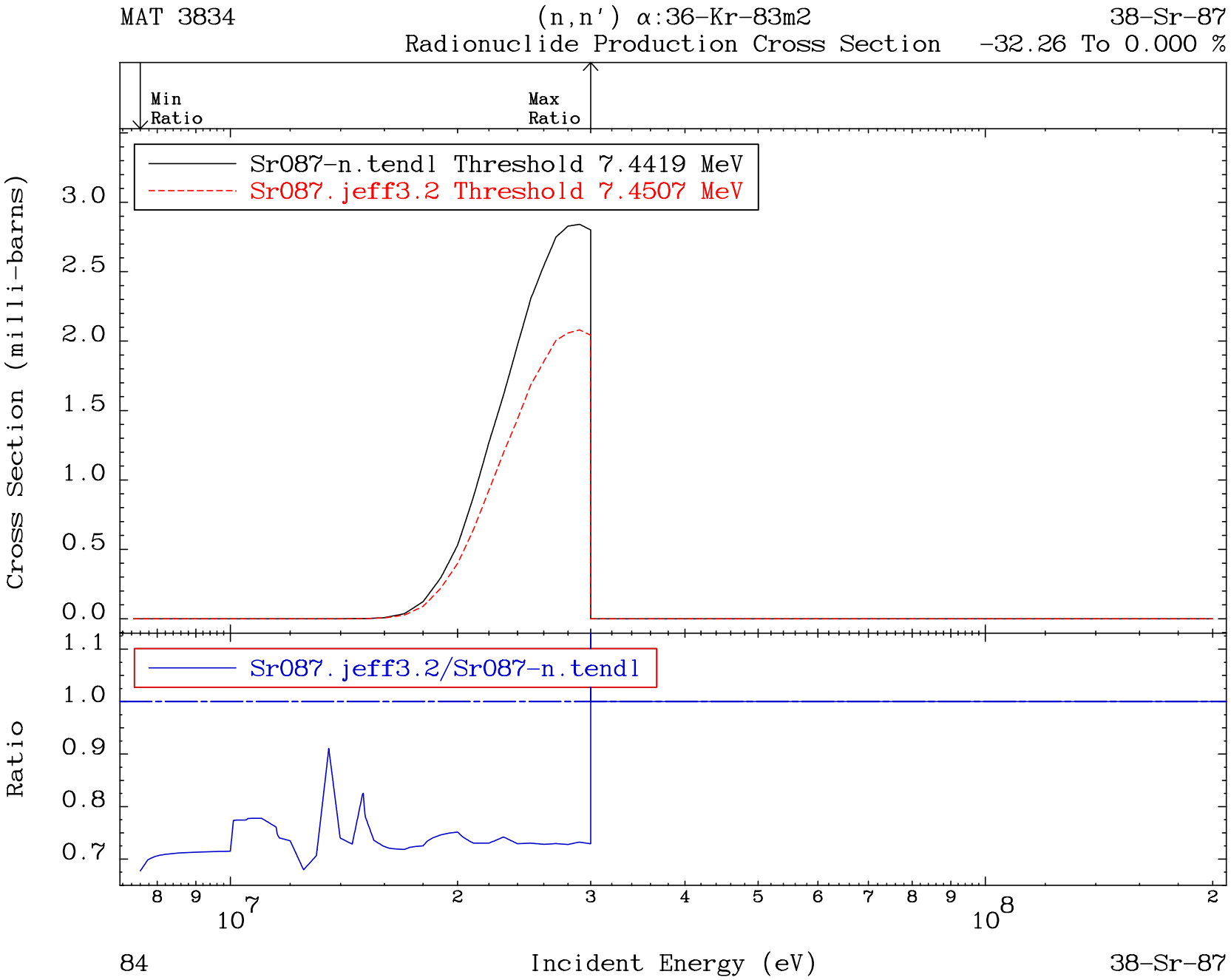

MAT 3834
(n,2n) d:37-Rb-84g
38-Sr-87
Radionuclide Production Cross Section 0.000 To 58.55 %
Min
Ratio
Sr087-n.tendl Threshold 26.634 MeV
Sr087.jeff3.2 Threshold 26.643 MeV
Cross Section (10^{-9} barns)
350
300
250
200
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.4
1.2
1.0
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
38-Sr-87

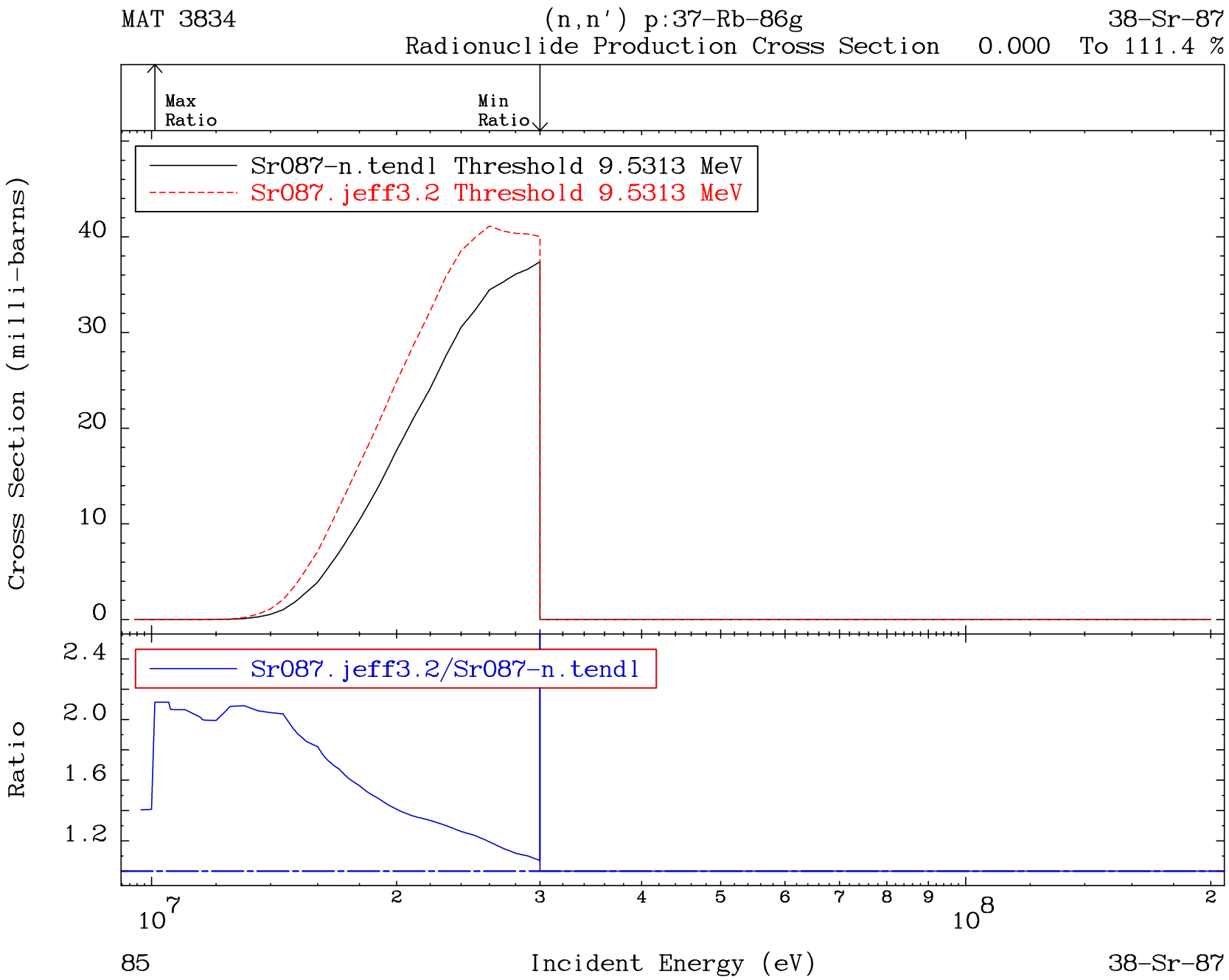

MAT 3834
(n,2n) d:37-Rb-84m2
38-Sr-87
Radionuclide Production Cross Section 0.000 To 146.4 %
Min
Ratio
Sr087-n.tendl Threshold 27.103 MeV
Sr087.jeff3.2 Threshold 27.112 MeV
Cross Section (10^{-9} barns)
140
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.5
2.0
1.5
1.0
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
38-Sr-87

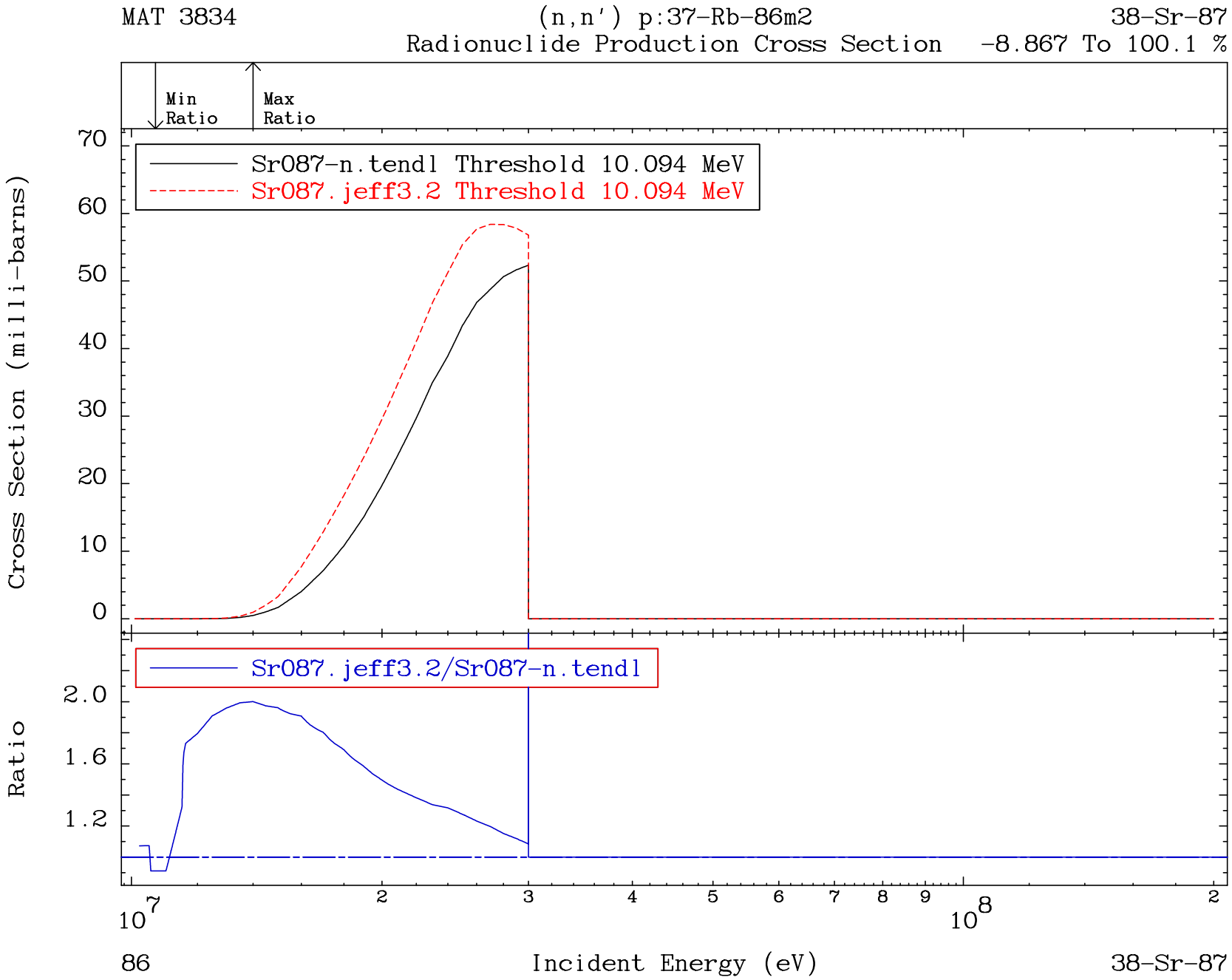

MAT 3834
(n,3n):38-Sr-85g
38-Sr-87
Radionuclide Production Cross Section 0.000 To 27.78 %
Min
Ratio
Sr087-n.tendl Threshold 20.151 MeV
Sr087.jeff3.2 Threshold 20.151 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.3
1.2
1.1
1.0
20
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
38-Sr-87

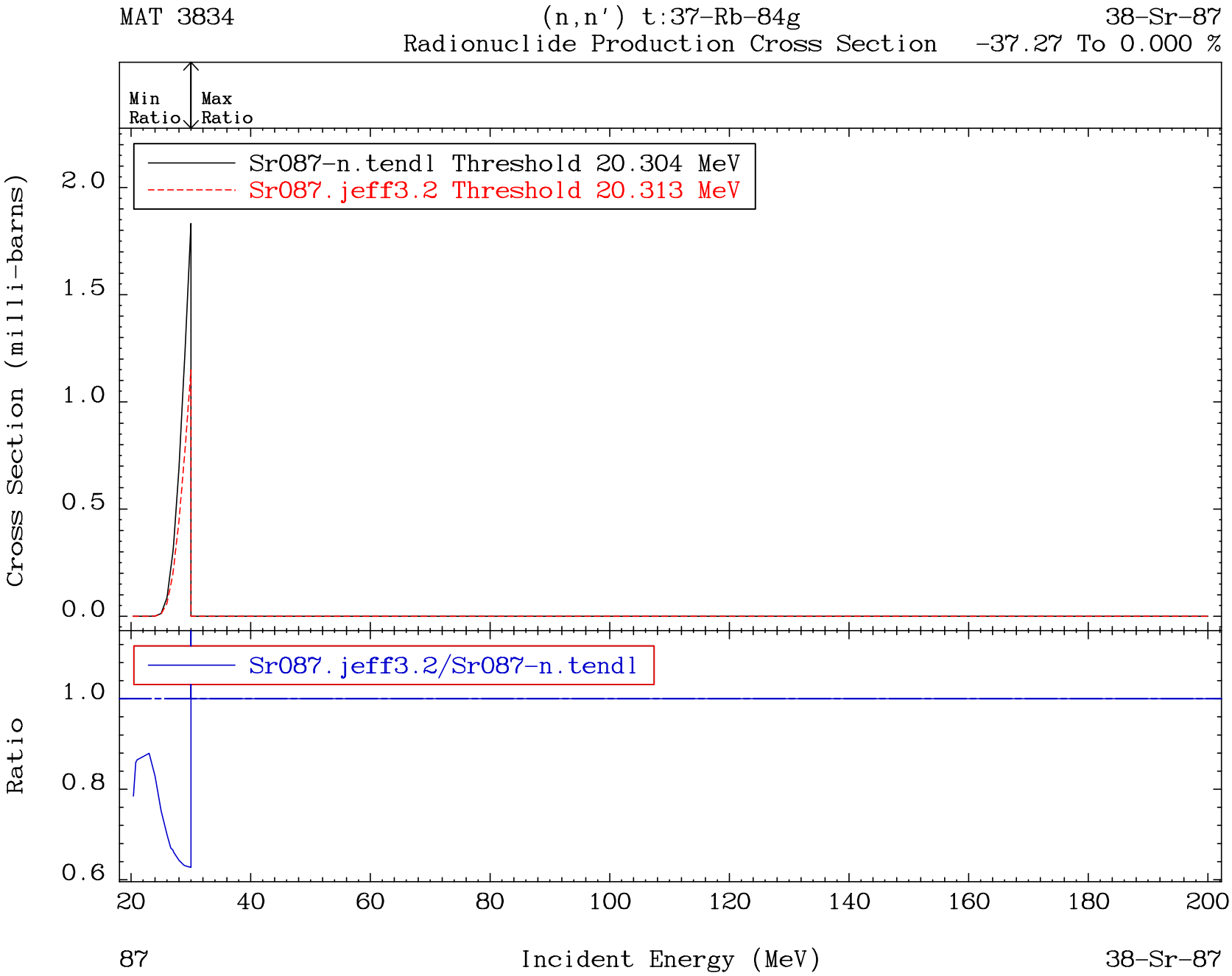

MAT 3834
(n,3n):38-Sr-85m2
38-Sr-87
Radionuclide Production Cross Section -6.944 To 32.72 %
Min Ratio
Sr087-n.tendl Threshold 20.392 MeV
Sr087.jeff3.2 Threshold 20.392 MeV
Cross Section (milli-barns)
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.4
1.2
1.0
20
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
38-Sr-87

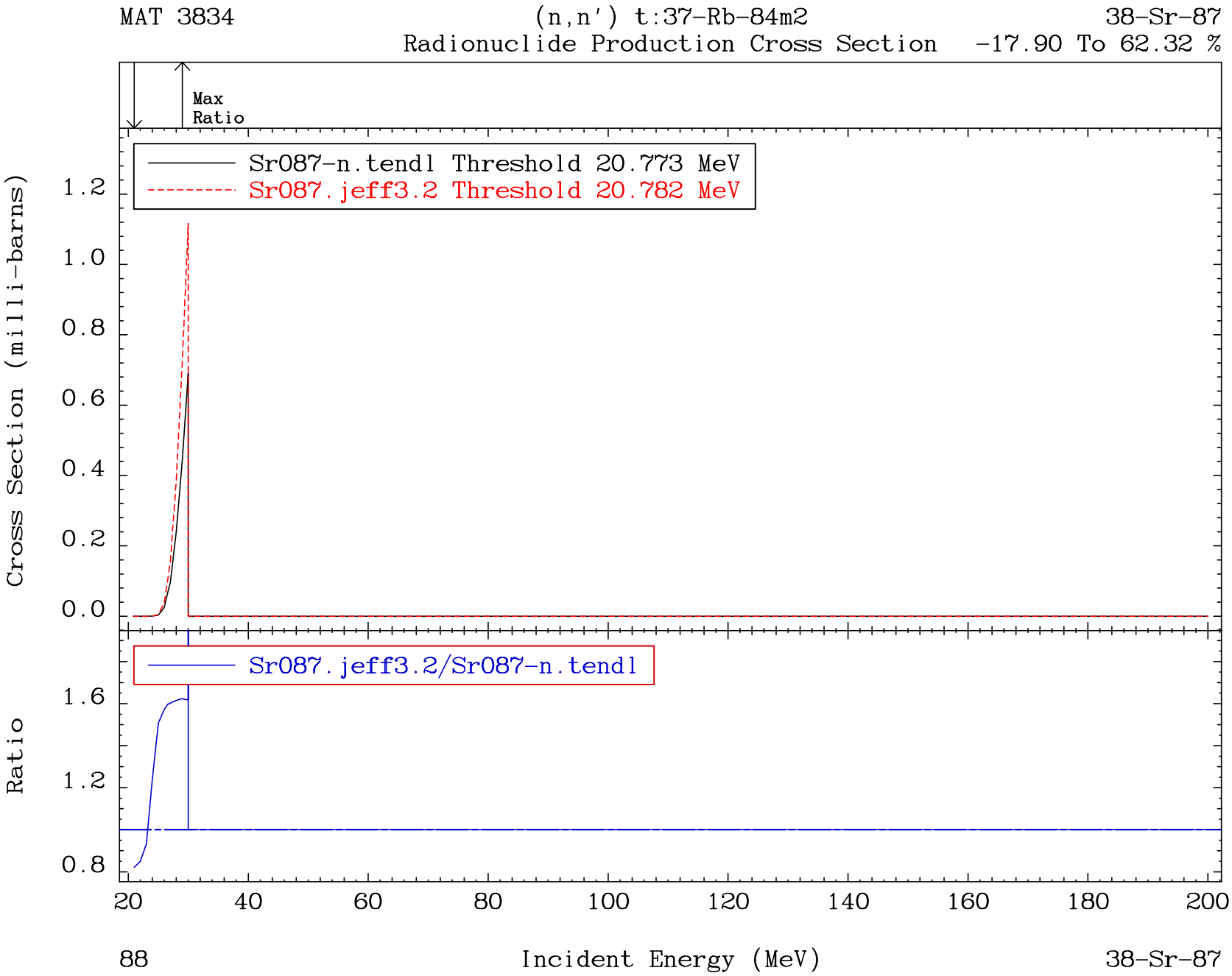

MAT 3834
(n,n') α:36-Kr-83g
38-Sr-87
Radionuclide Production Cross Section -36.24 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 7.3998 MeV
Sr087.jeff3.2 Threshold 7.4086 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
83
Incident Energy (eV)
38-Sr-87

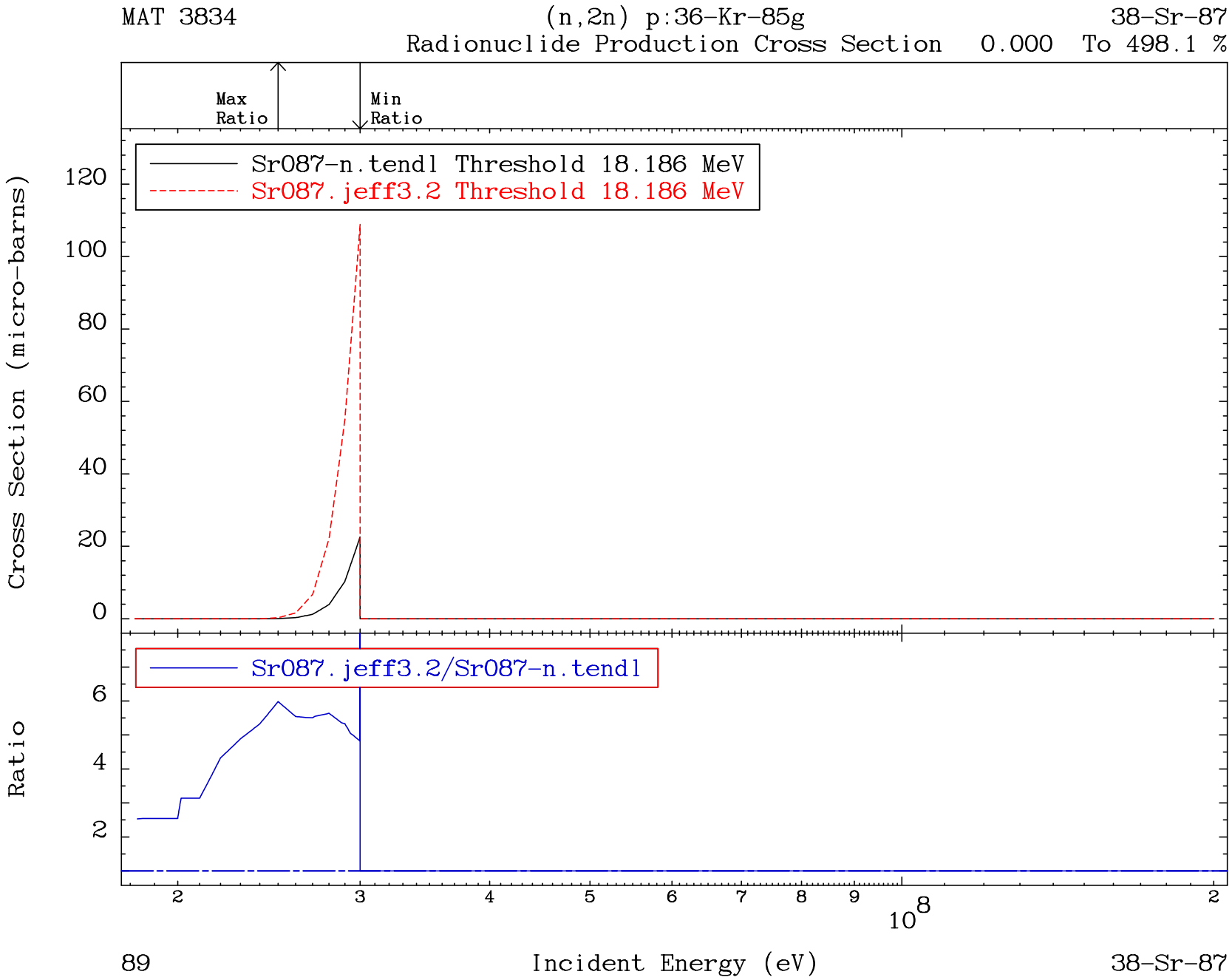

MAT 3834
(n,n') α:36-Kr-83m2
38-Sr-87
Radionuclide Production Cross Section -32.26 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 7.4419 MeV
Sr087.jeff3.2 Threshold 7.4507 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.1
1.0
0.9
0.8
0.7
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
84
Incident Energy (eV)
38-Sr-87

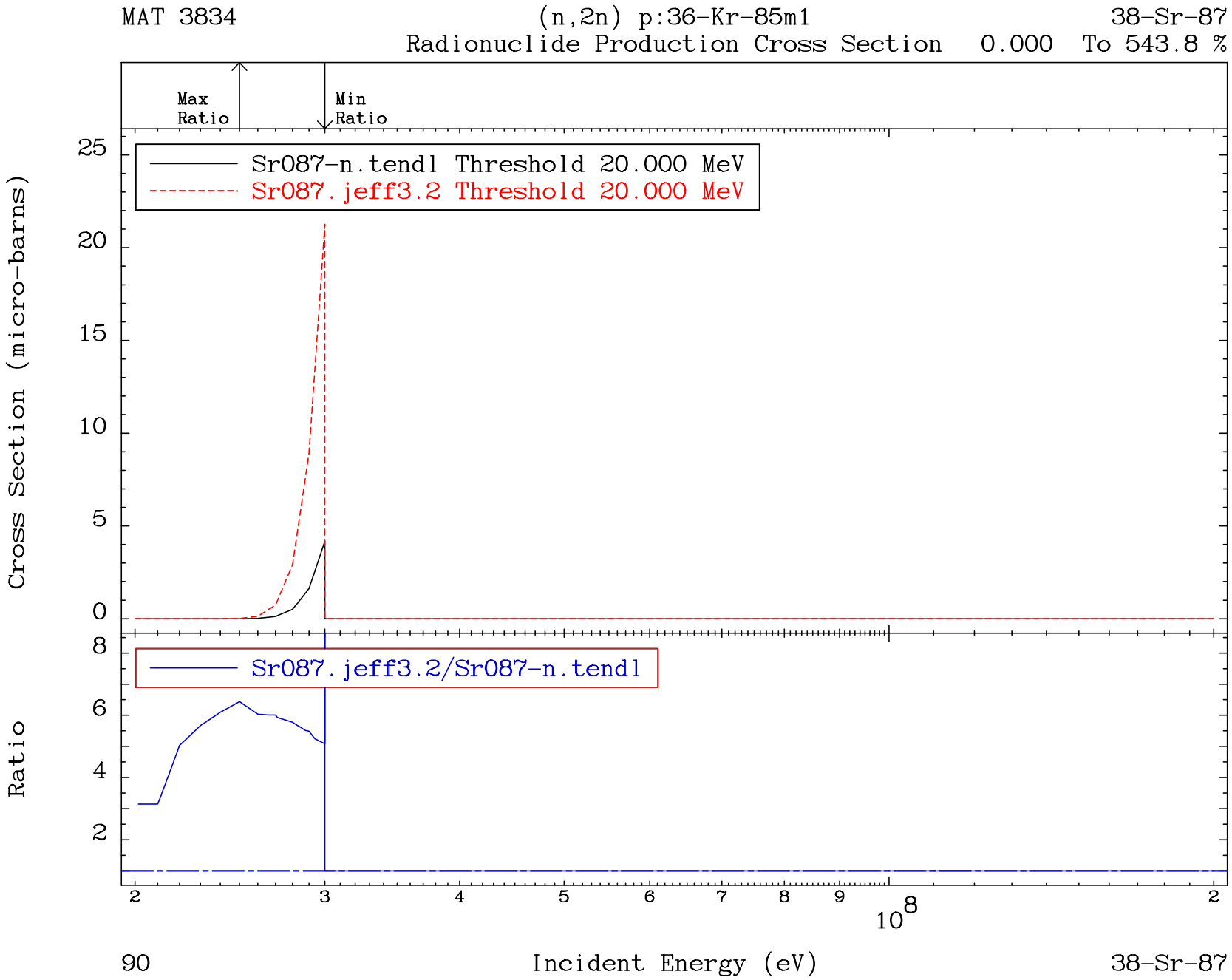

MAT 3834
(n,n') p:37-Rb-86g
38-Sr-87
Radionuclide Production Cross Section 0.000 To 111.4 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 9.5313 MeV
Sr087.jeff3.2 Threshold 9.5313 MeV
Cross Section (milli-barns)
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.4
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
38-Sr-87

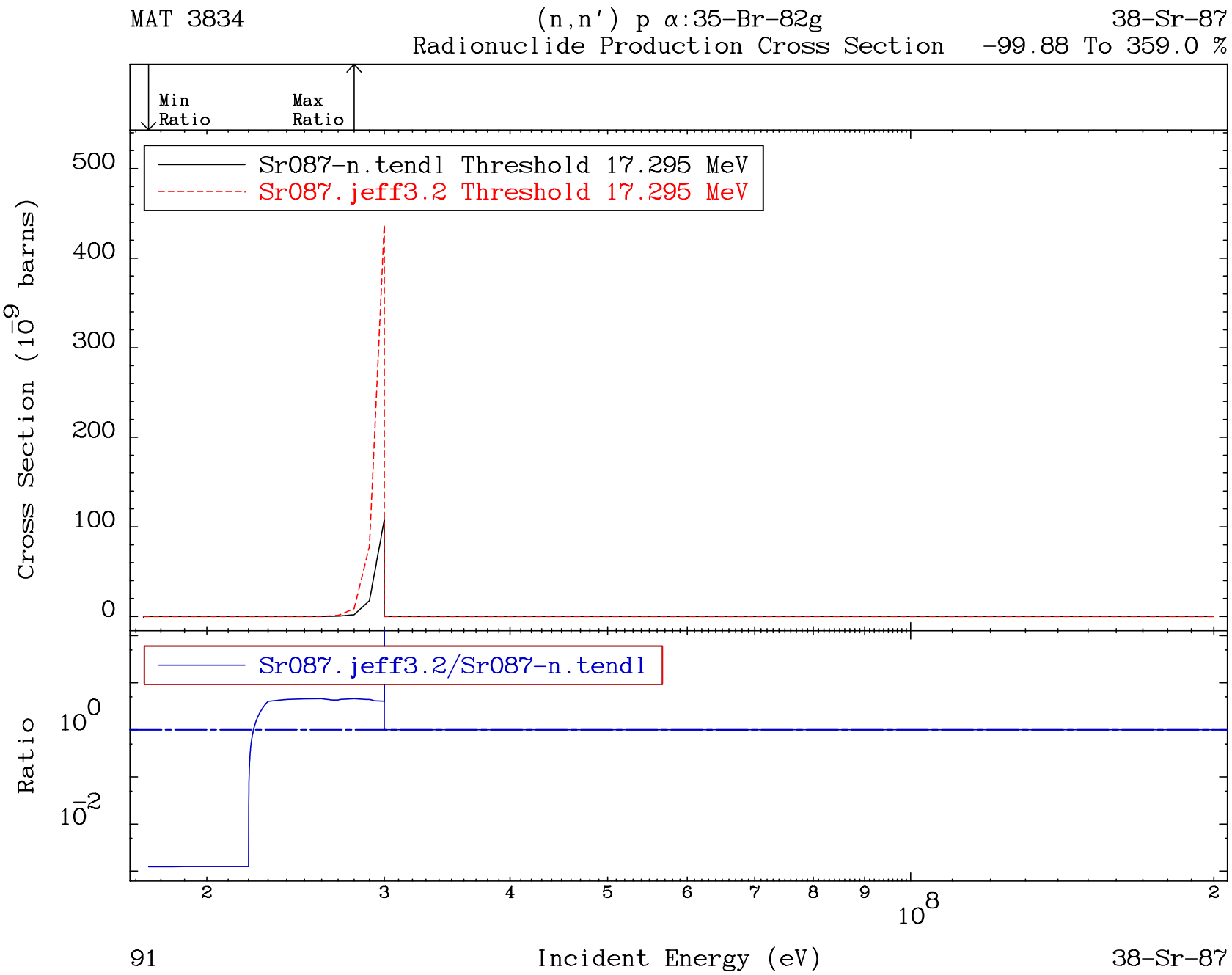

MAT 3834
(n,n') p:37-Rb-86m2
38-Sr-87
Radionuclide Production Cross Section -8.867 To 100.1 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 10.094 MeV
Sr087.jeff3.2 Threshold 10.094 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
38-Sr-87

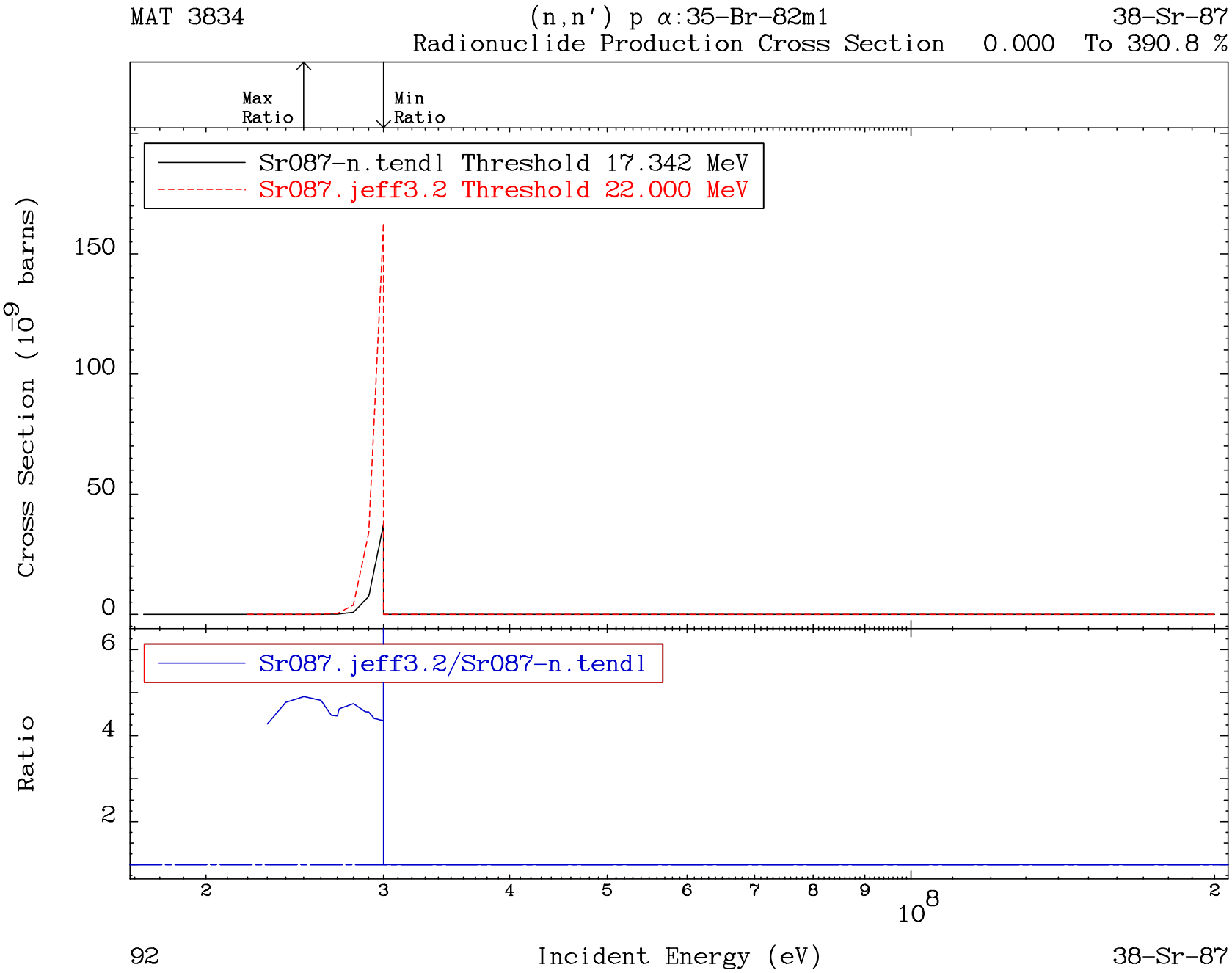

MAT 3834
(n,n') t:37-Rb-84g
38-Sr-87
Radionuclide Production Cross Section -37.27 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 20.304 MeV
Sr087.jeff3.2 Threshold 20.313 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
0.8
0.6
20
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
38-Sr-87

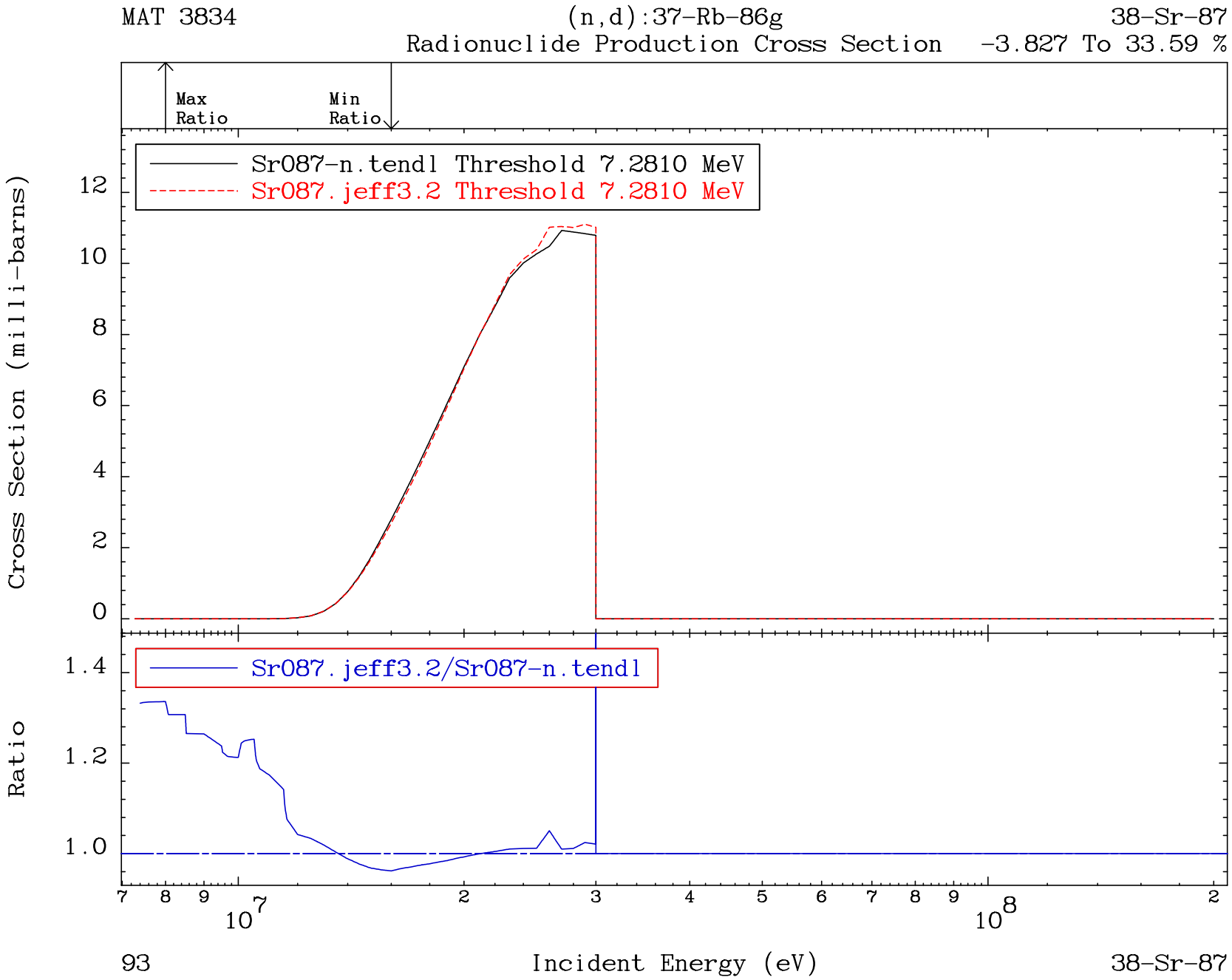

MAT 3834
(n,n') t:37-Rb-84m2
38-Sr-87
Radionuclide Production Cross Section -17.90 To 62.32 %
Max
Ratio
Sr087-n.tendl Threshold 20.773 MeV
Sr087.jeff3.2 Threshold 20.782 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.6
1.2
0.8
20
40
60
80
100
120
140
160
180
200
88
Incident Energy (MeV)
38-Sr-87

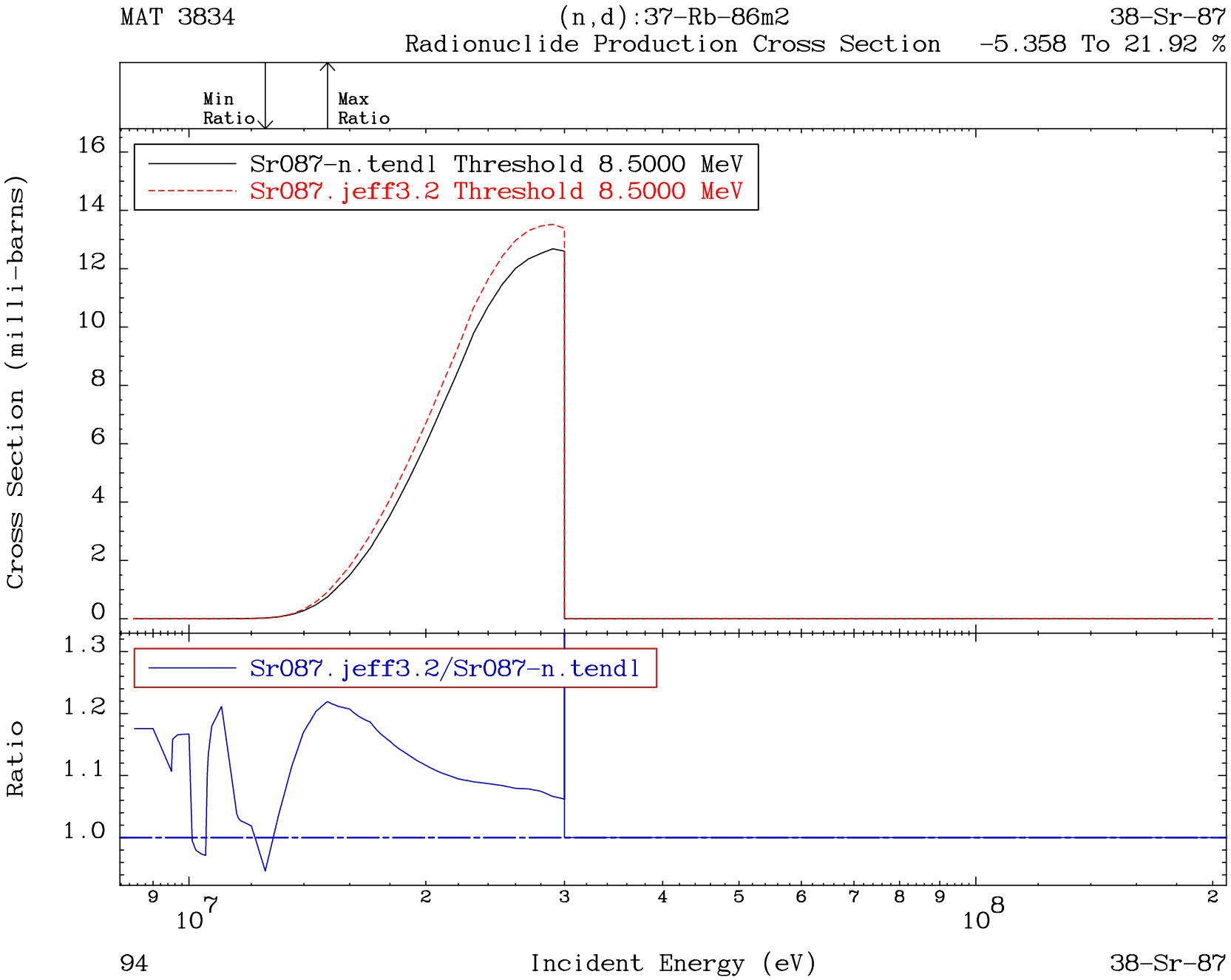

MAT 3834
(n,2n) p:36-Kr-85g
38-Sr-87
Radionuclide Production Cross Section 0.000 To 498.1 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 18.186 MeV
Sr087.jeff3.2 Threshold 18.186 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
38-Sr-87

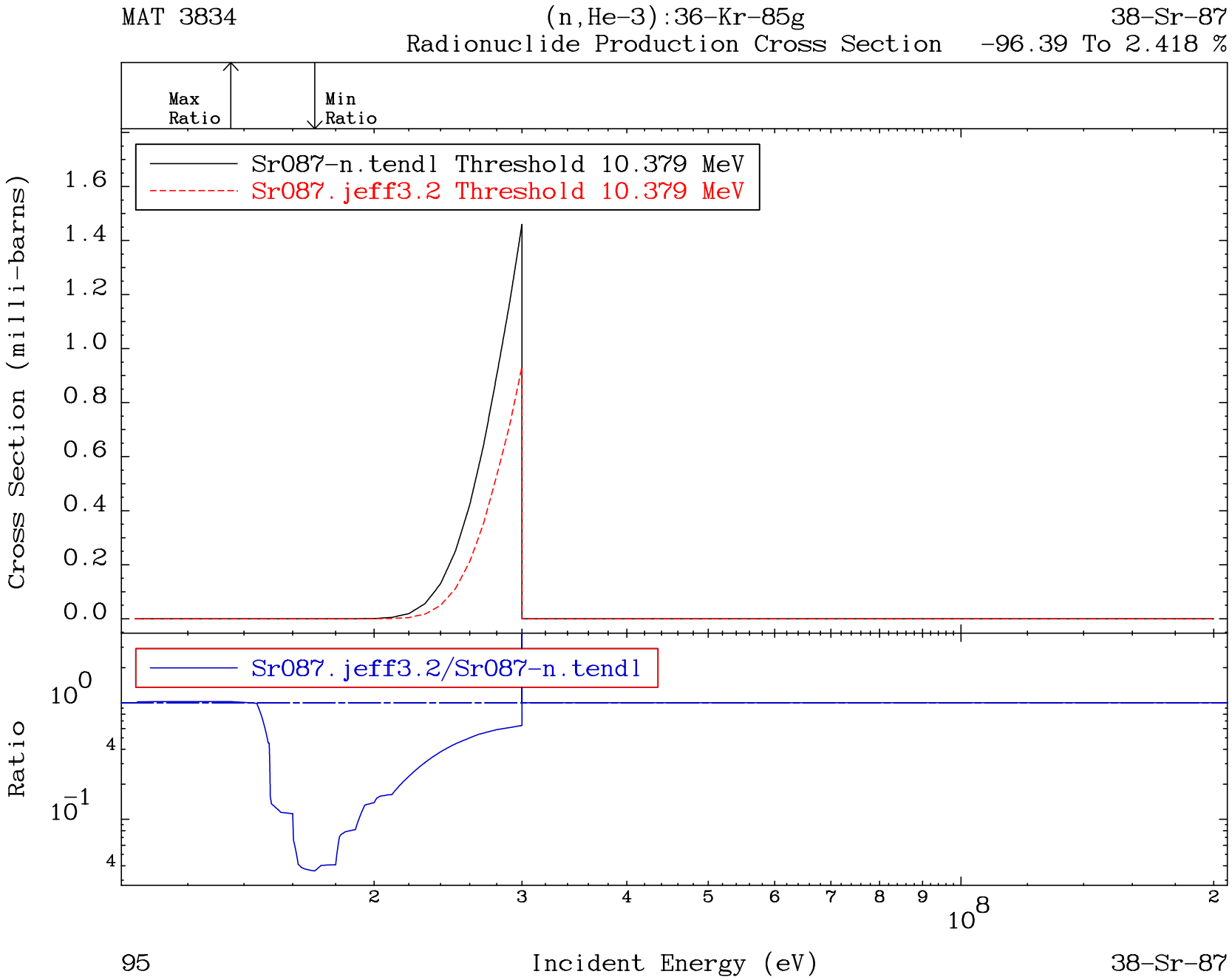

MAT 3834
(n,2n) p:36-Kr-85m1
38-Sr-87
Radionuclide Production Cross Section 0.000 To 543.8 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 20.000 MeV
Sr087.jeff3.2 Threshold 20.000 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
8
6
4
2
2
3
4
5
6
7
8
9
2
10^8
90
Incident Energy (eV)
38-Sr-87

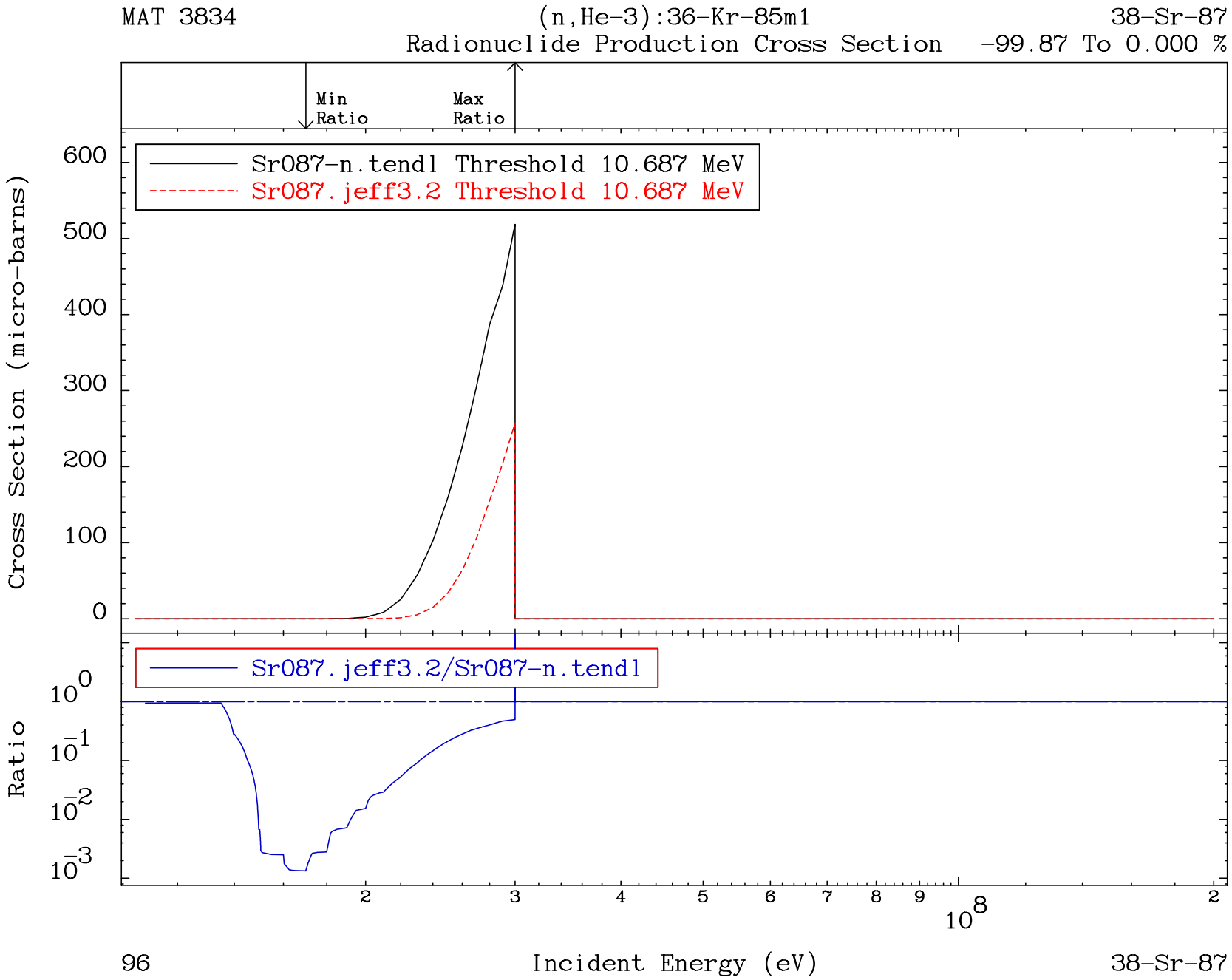

MAT 3834
(n,n') p α:35-Br-82g
38-Sr-87
Radionuclide Production Cross Section -99.88 To 359.0 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 17.295 MeV
Sr087.jeff3.2 Threshold 17.295 MeV
Cross Section (10^{-9} barns)
500
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^{0}
10^{-2}
2
3
4
5
6
7
8
9
10^{8}
2
91
Incident Energy (eV)
38-Sr-87

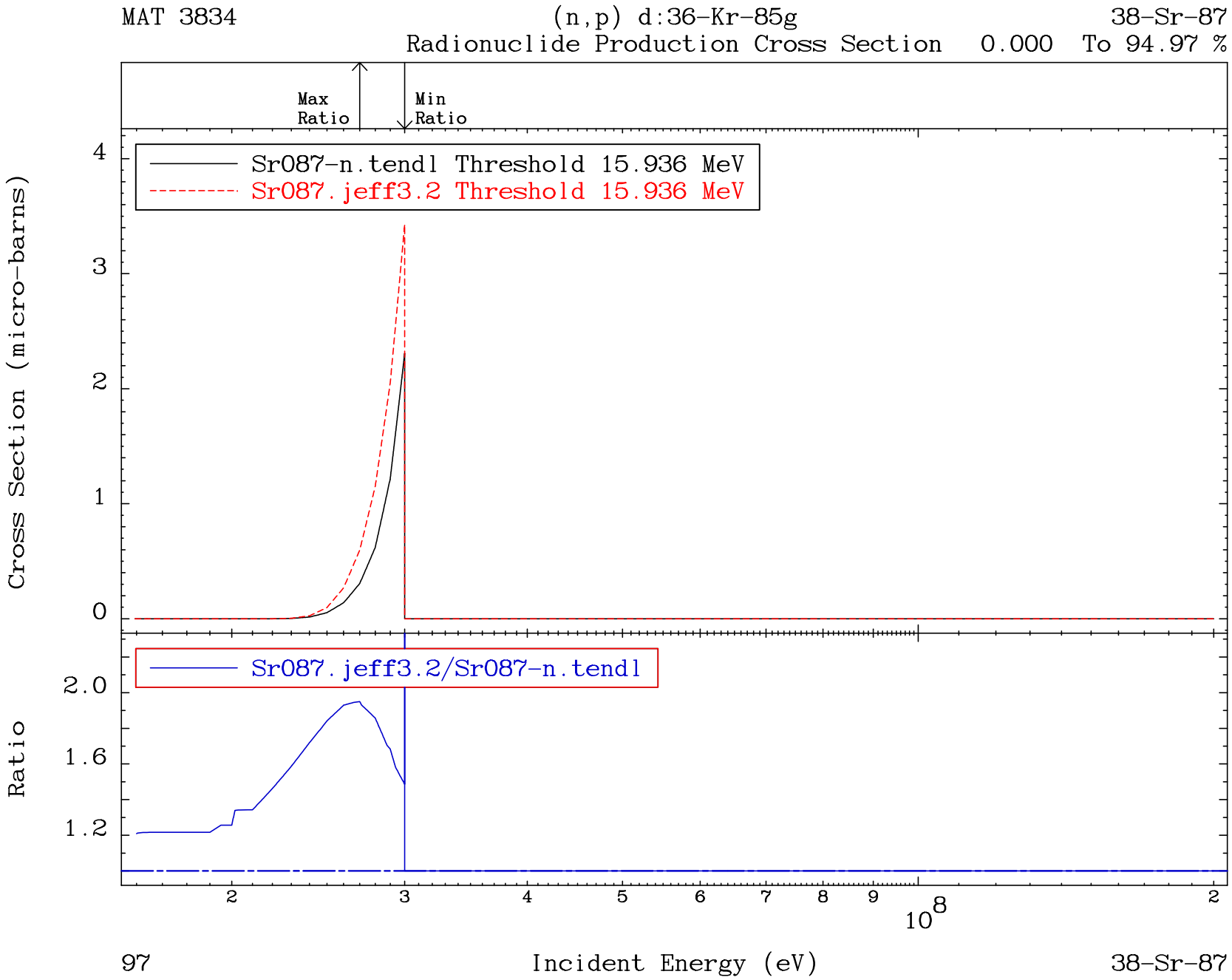

MAT 3834
(n,n') p α:35-Br-82m1
38-Sr-87
Radionuclide Production Cross Section 0.000 To 390.8 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 17.342 MeV
Sr087.jeff3.2 Threshold 22.000 MeV
Cross Section (10^{-9} barns)
150
100
50
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
38-Sr-87

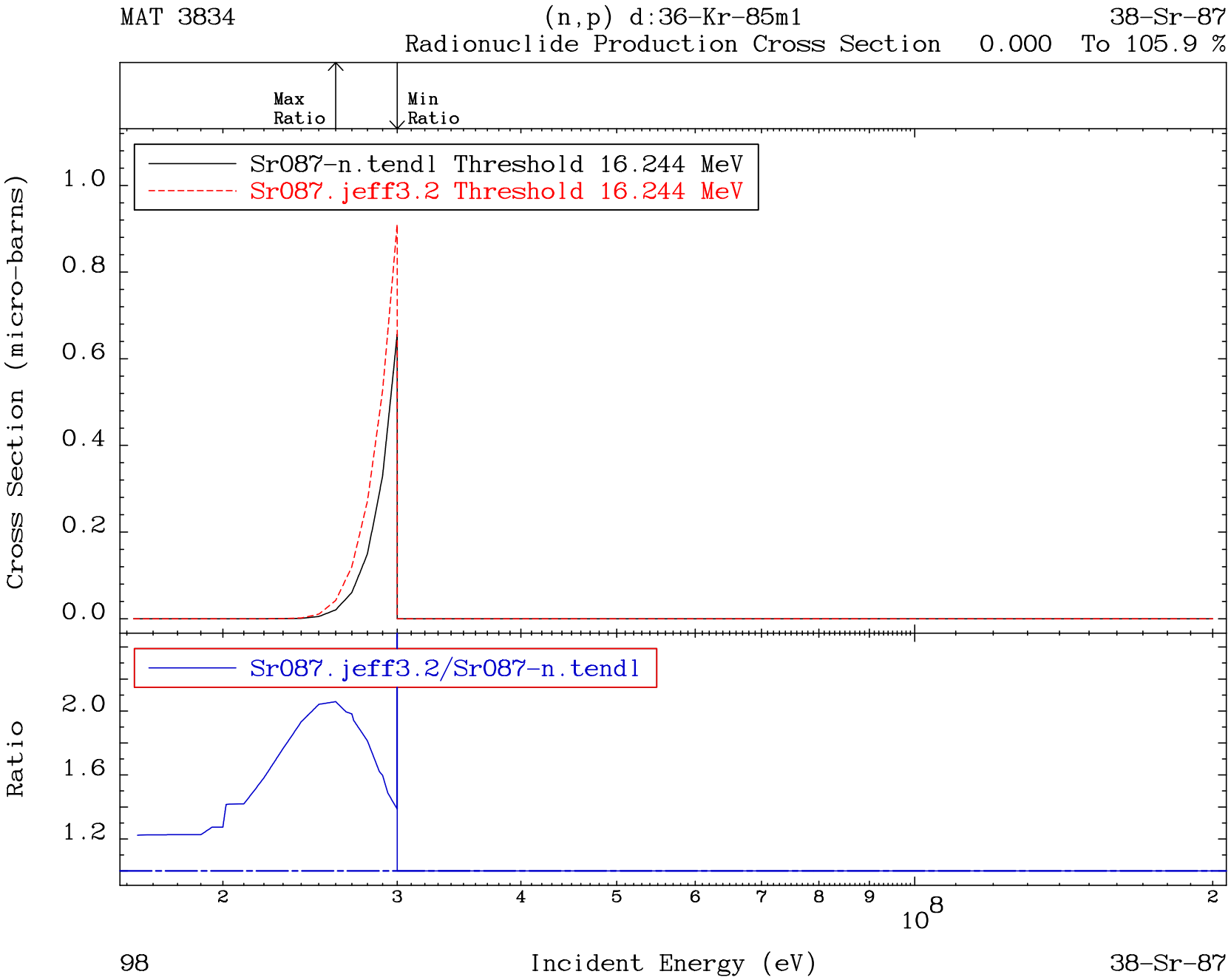

MAT 3834
(n,d):37-Rb-86g
38-Sr-87
Radionuclide Production Cross Section -3.827 To 33.59 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 7.2810 MeV
Sr087.jeff3.2 Threshold 7.2810 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.0
1.2
1.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
38-Sr-87

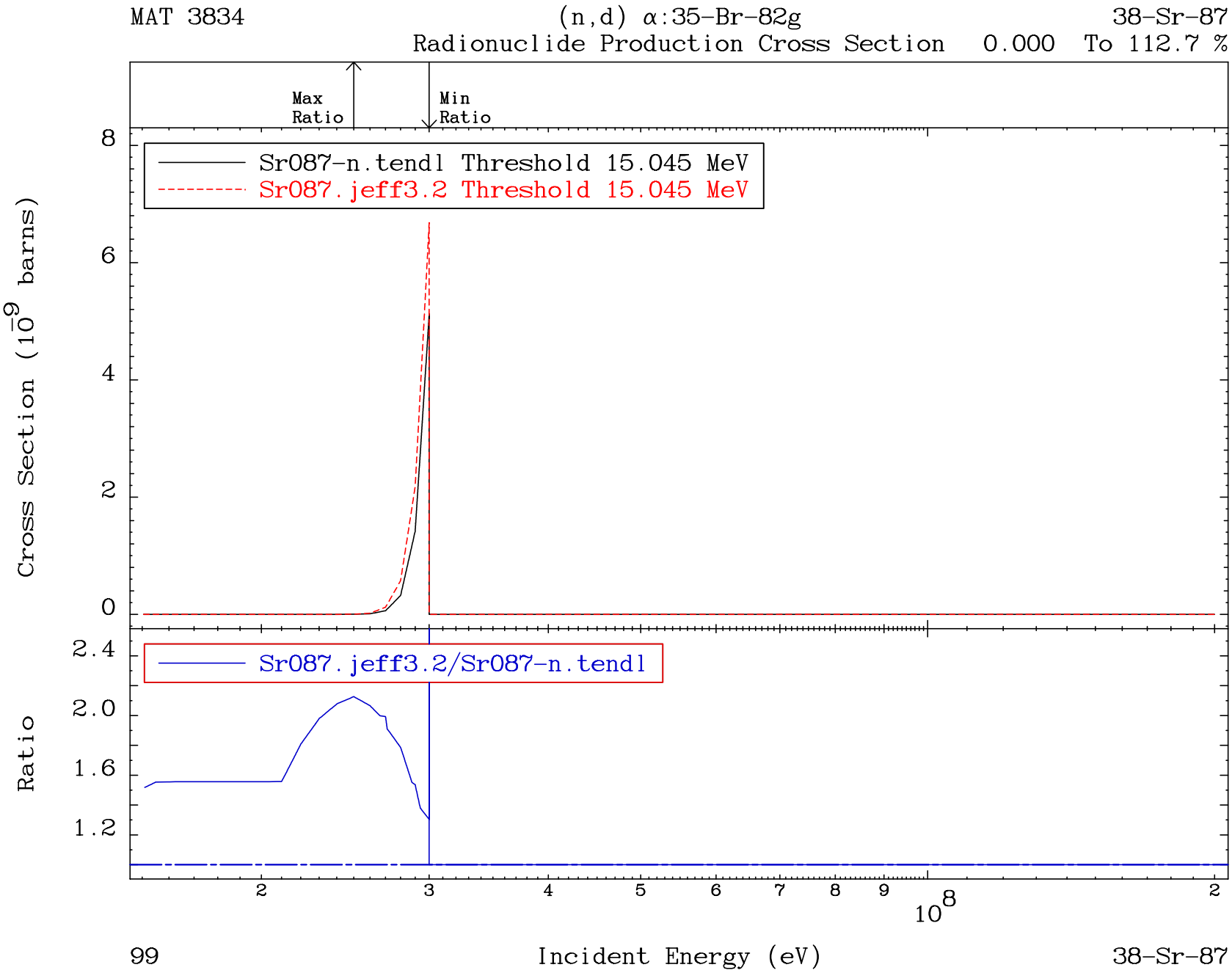

MAT 3834
(n,d):37-Rb-86m2
38-Sr-87
Radionuclide Production Cross Section -5.358 To 21.92 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 8.5000 MeV
Sr087.jeff3.2 Threshold 8.5000 MeV
Cross Section (milli-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
94
38-Sr-87

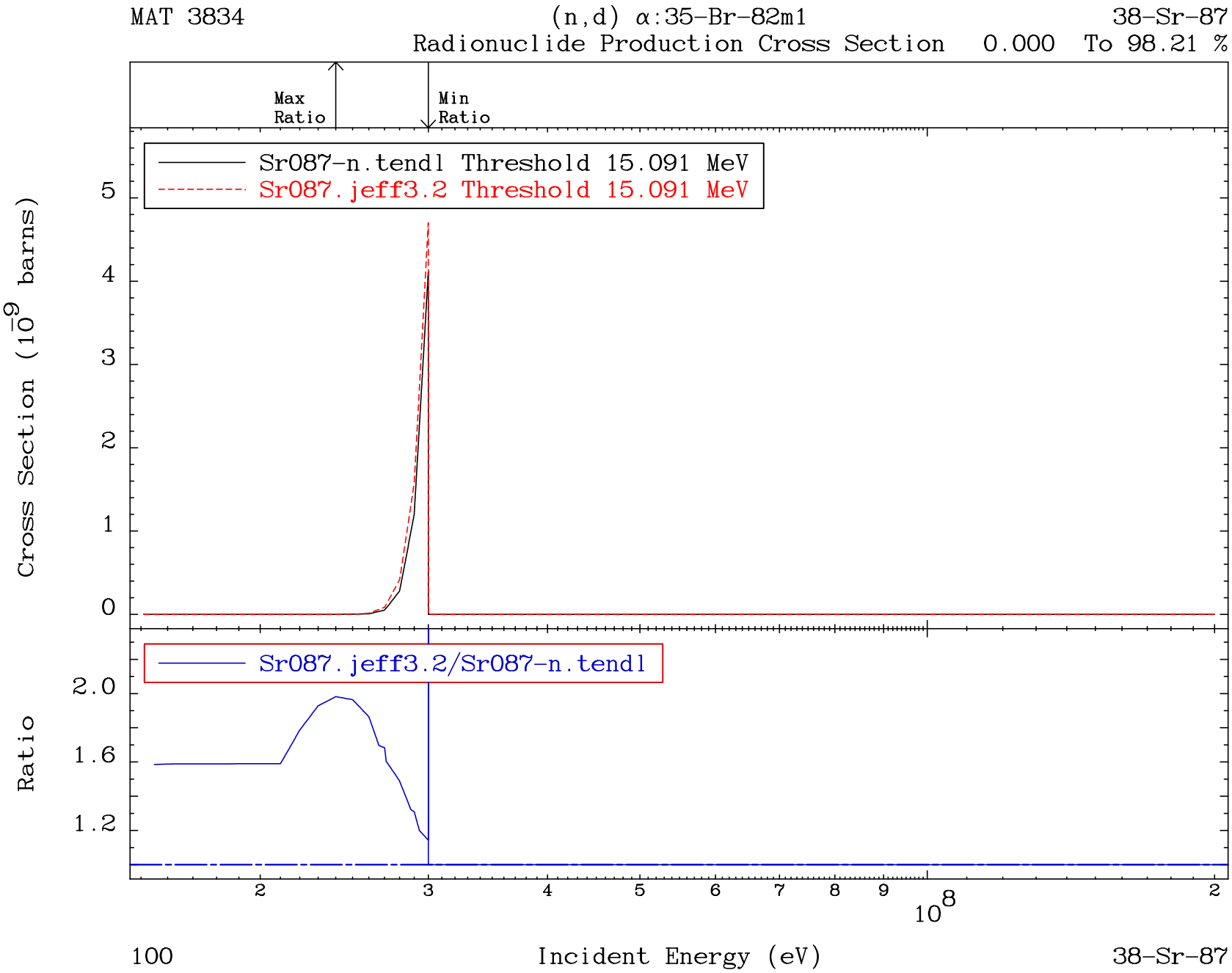

MAT 3834
(n,He-3):36-Kr-85g
38-Sr-87
Radionuclide Production Cross Section -96.39 To 2.418 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 10.379 MeV
Sr087.jeff3.2 Threshold 10.379 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
4
10^-1
4
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
38-Sr-87


MAT 3834
(n,He-3):36-Kr-85m1
38-Sr-87
Radionuclide Production Cross Section -99.87 To 0.000 %
Min Ratio
Max Ratio
Sr087-n.tendl Threshold 10.687 MeV
Sr087.jeff3.2 Threshold 10.687 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
38-Sr-87


MAT 3834
(n,p) d:36-Kr-85g
38-Sr-87
Radionuclide Production Cross Section 0.000 To 94.97 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 15.936 MeV
Sr087.jeff3.2 Threshold 15.936 MeV
Cross Section (micro-barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
97
38-Sr-87


MAT 3834
(n,p) d:36-Kr-85m1
38-Sr-87
Radionuclide Production Cross Section 0.000 To 105.9 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 16.244 MeV
Sr087.jeff3.2 Threshold 16.244 MeV
Cross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
Sr087.jeff3.2/Sr087-n.tendl
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
98
Incident Energy (eV)
38-Sr-87


MAT 3834
(n,d) α:35-Br-82g
38-Sr-87
Radionuclide Production Cross Section 0.000 To 112.7 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 15.045 MeV
Sr087.jeff3.2 Threshold 15.045 MeV
Cross Section (10^{-9} barns)
Sr087.jeff3.2/Sr087-n.tendl
Ratio
Incident Energy (eV)
99
38-Sr-87


MAT 3834
(n,d) α:35-Br-82m1
38-Sr-87
Radionuclide Production Cross Section 0.000 To 98.21 %
Max Ratio
Min Ratio
Sr087-n.tendl Threshold 15.091 MeV
Sr087.jeff3.2 Threshold 15.091 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
5
Sr087.jeff3.2/Sr087-n.tendl
Ratio
1.2
1.6
2.0
2
3
4
5
6
7
8
9
10^8
2
100
Incident Energy (eV)
38-Sr-87