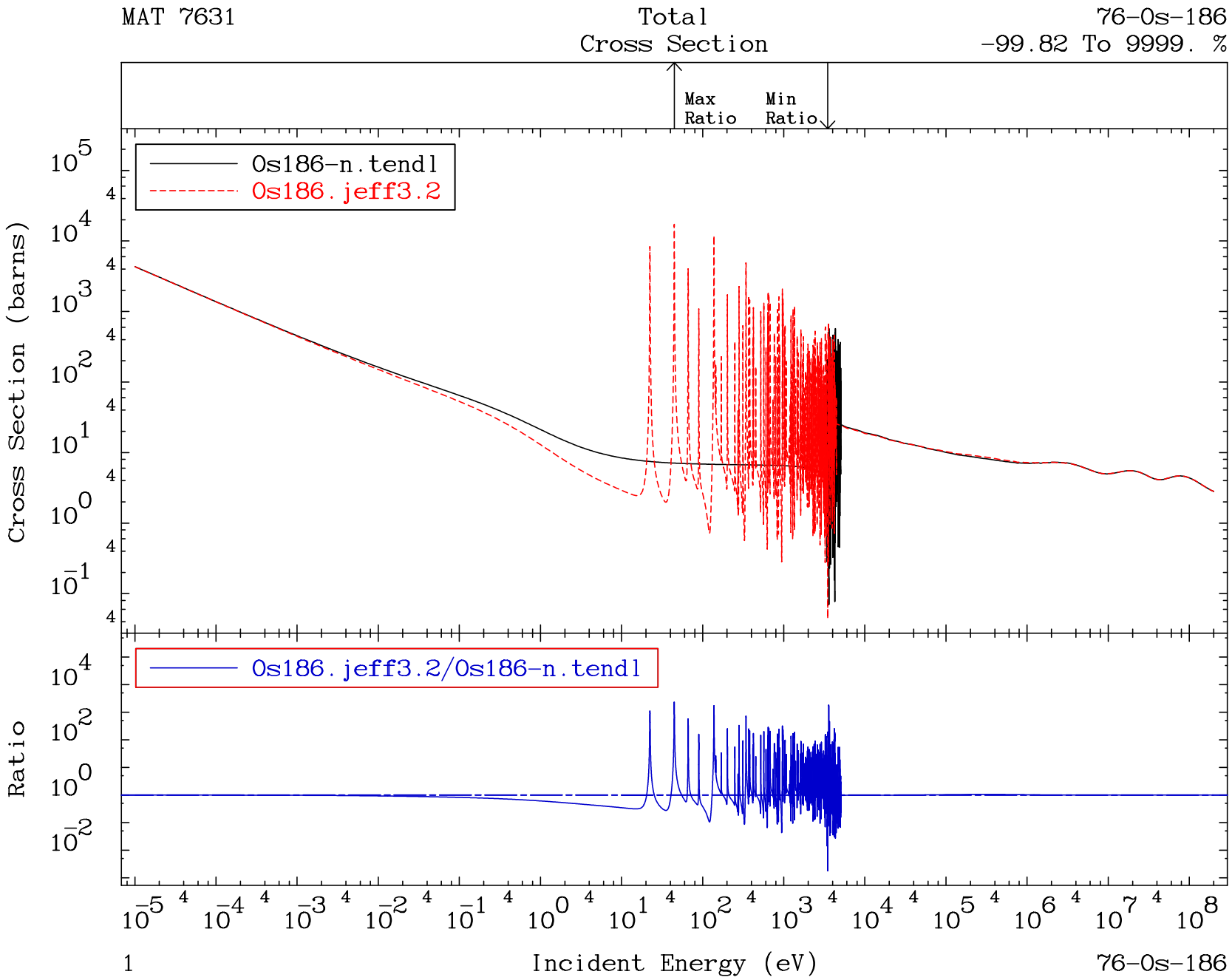
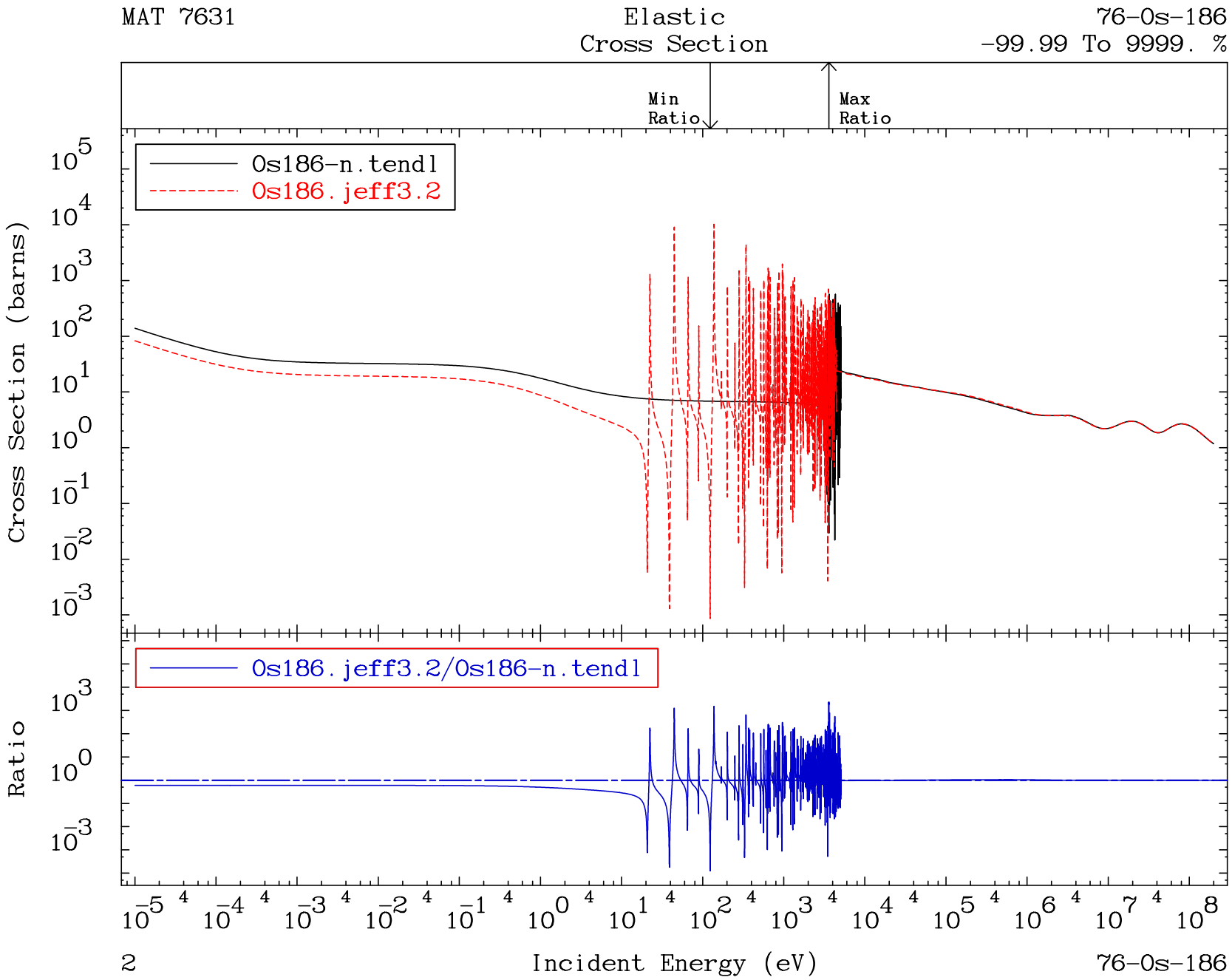
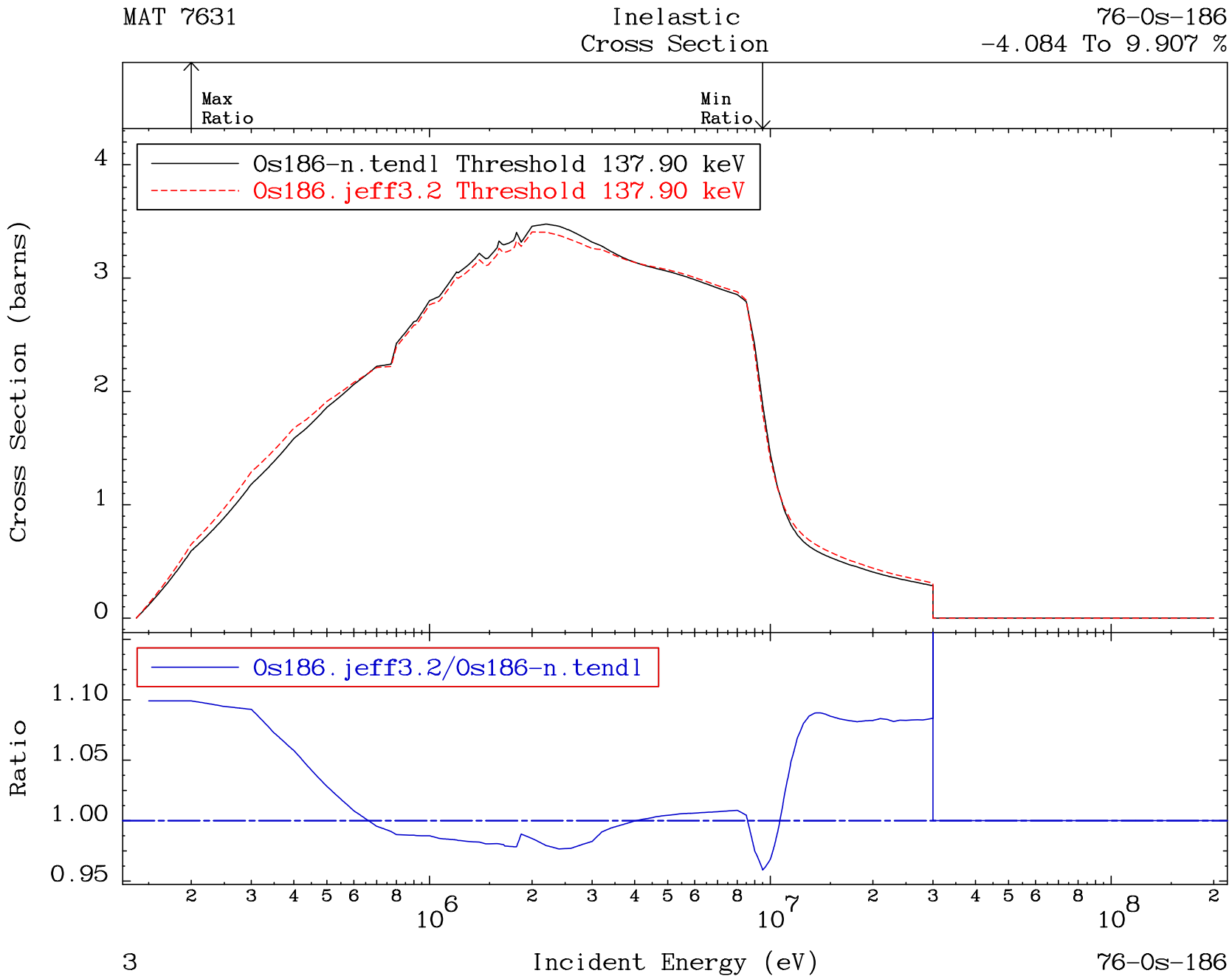
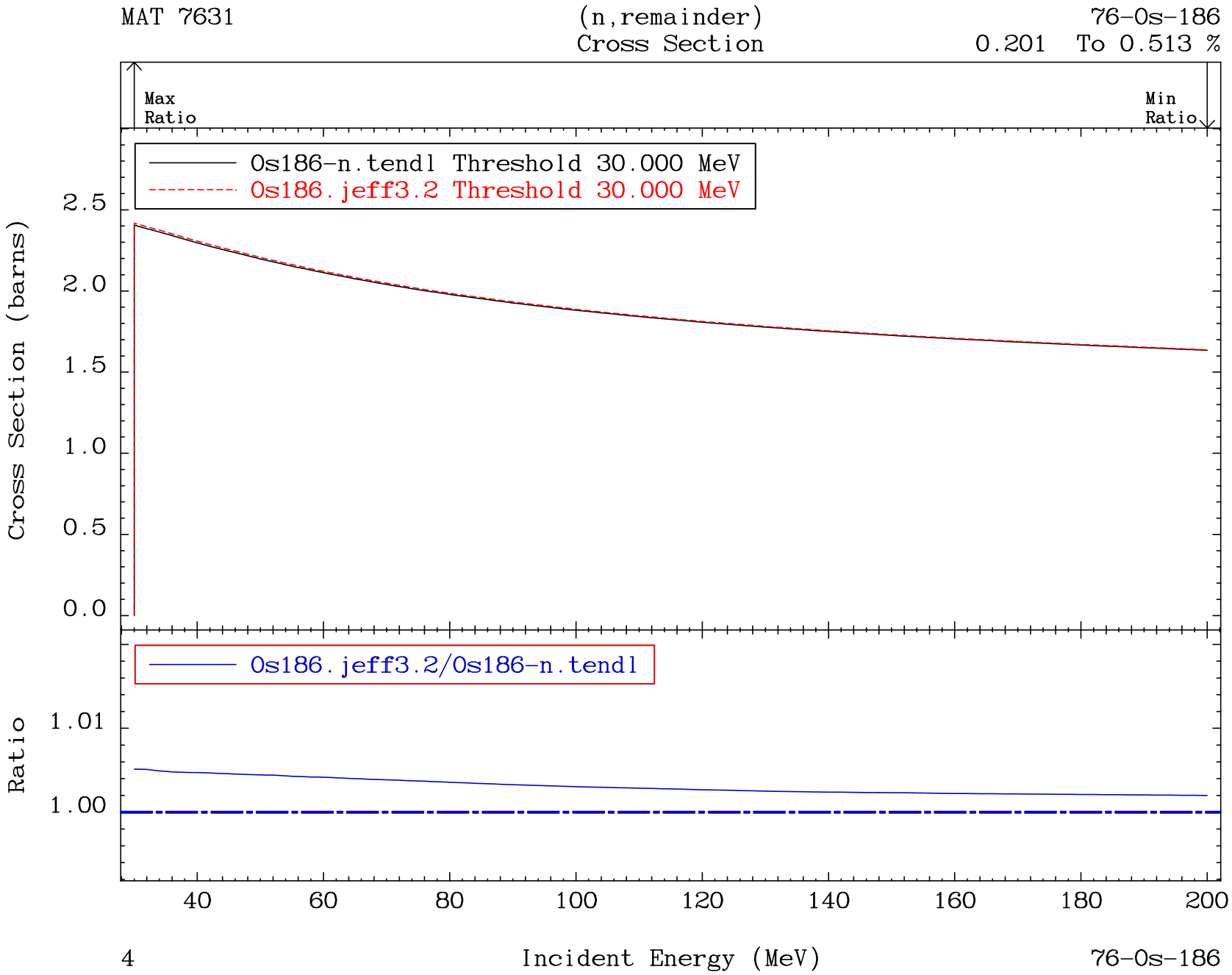
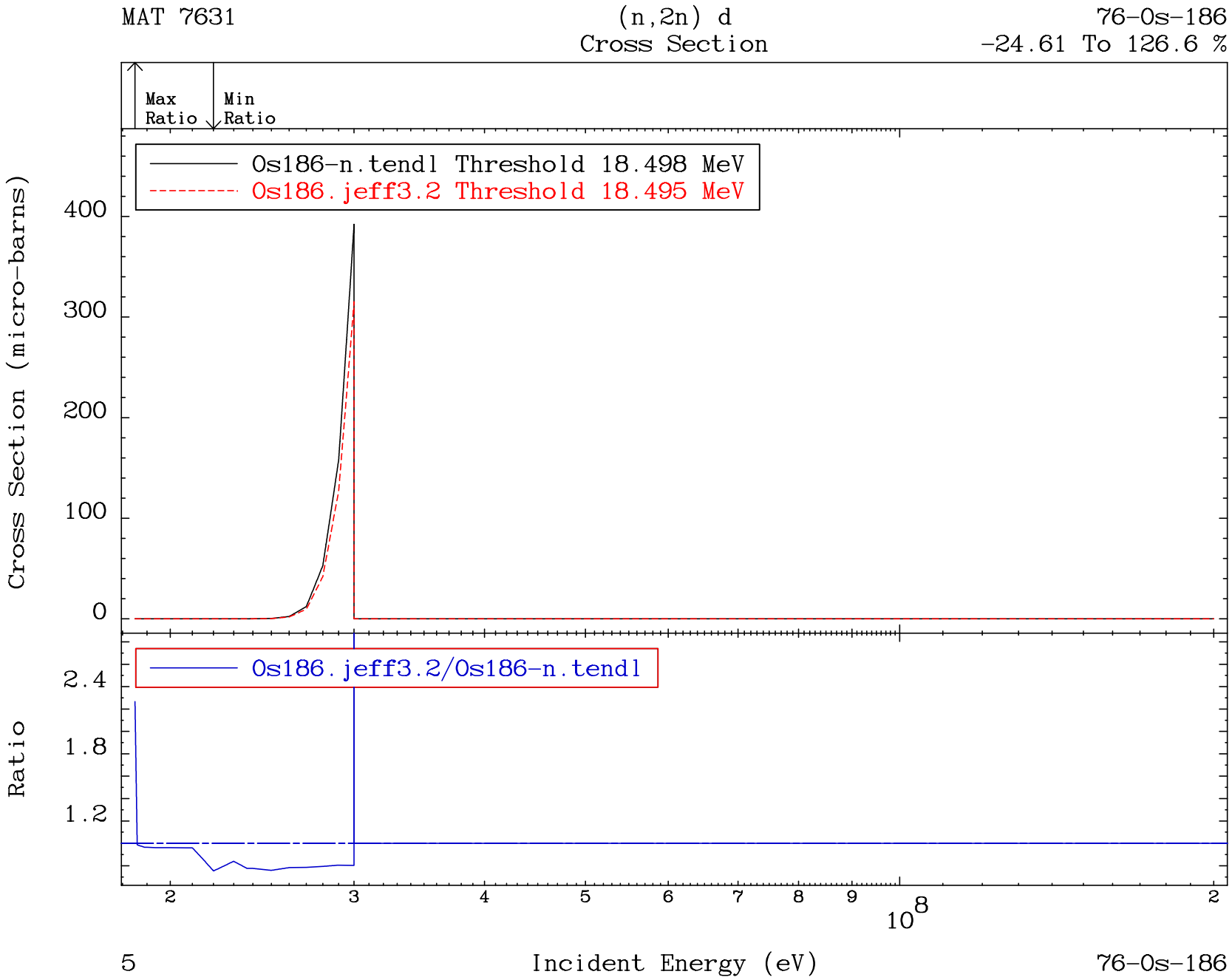
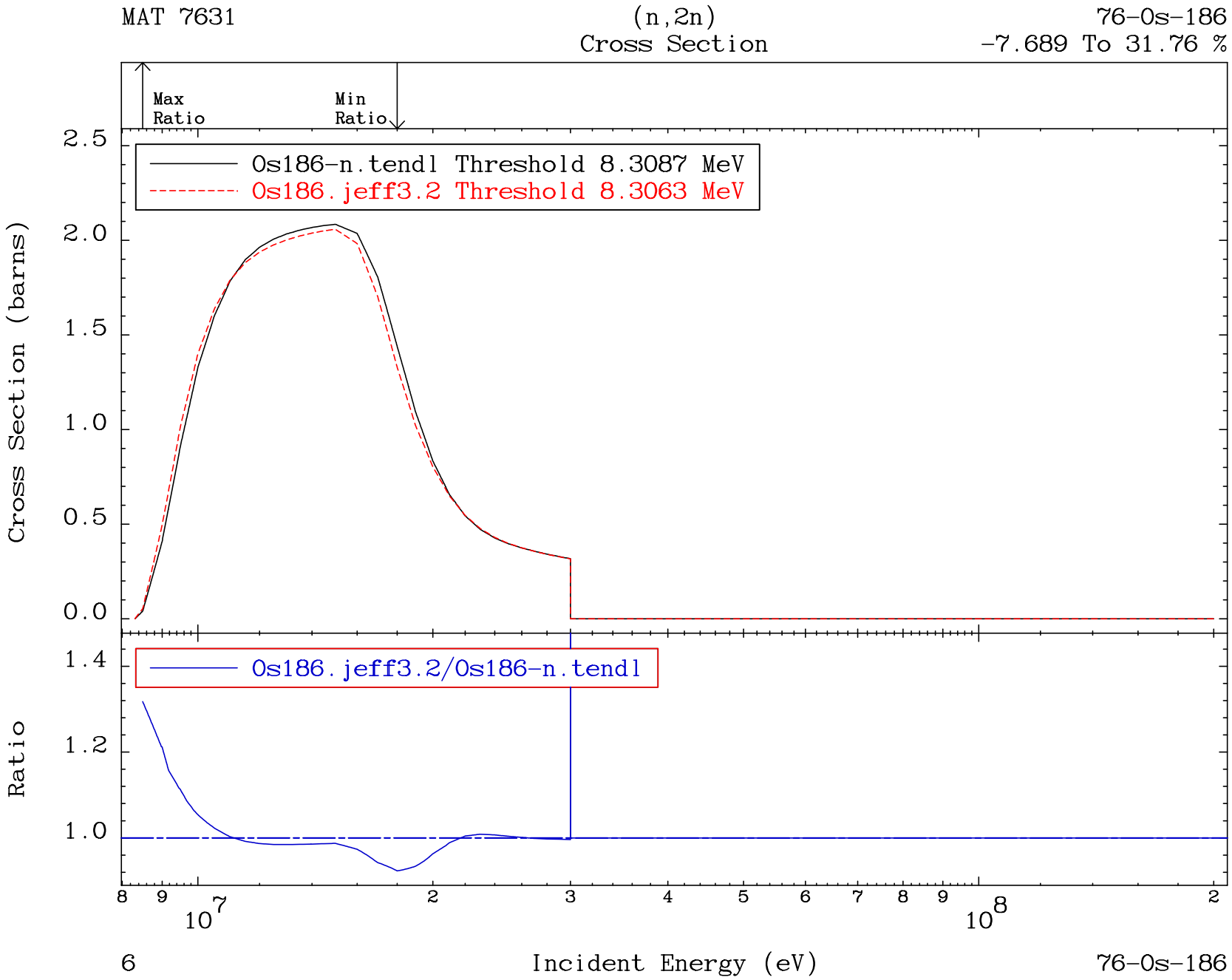

MAT 7631
Total
Cross Section
76-0s-186
-99.82 To 9999. %
Max
Ratio
Min
Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
1
76-0s-186

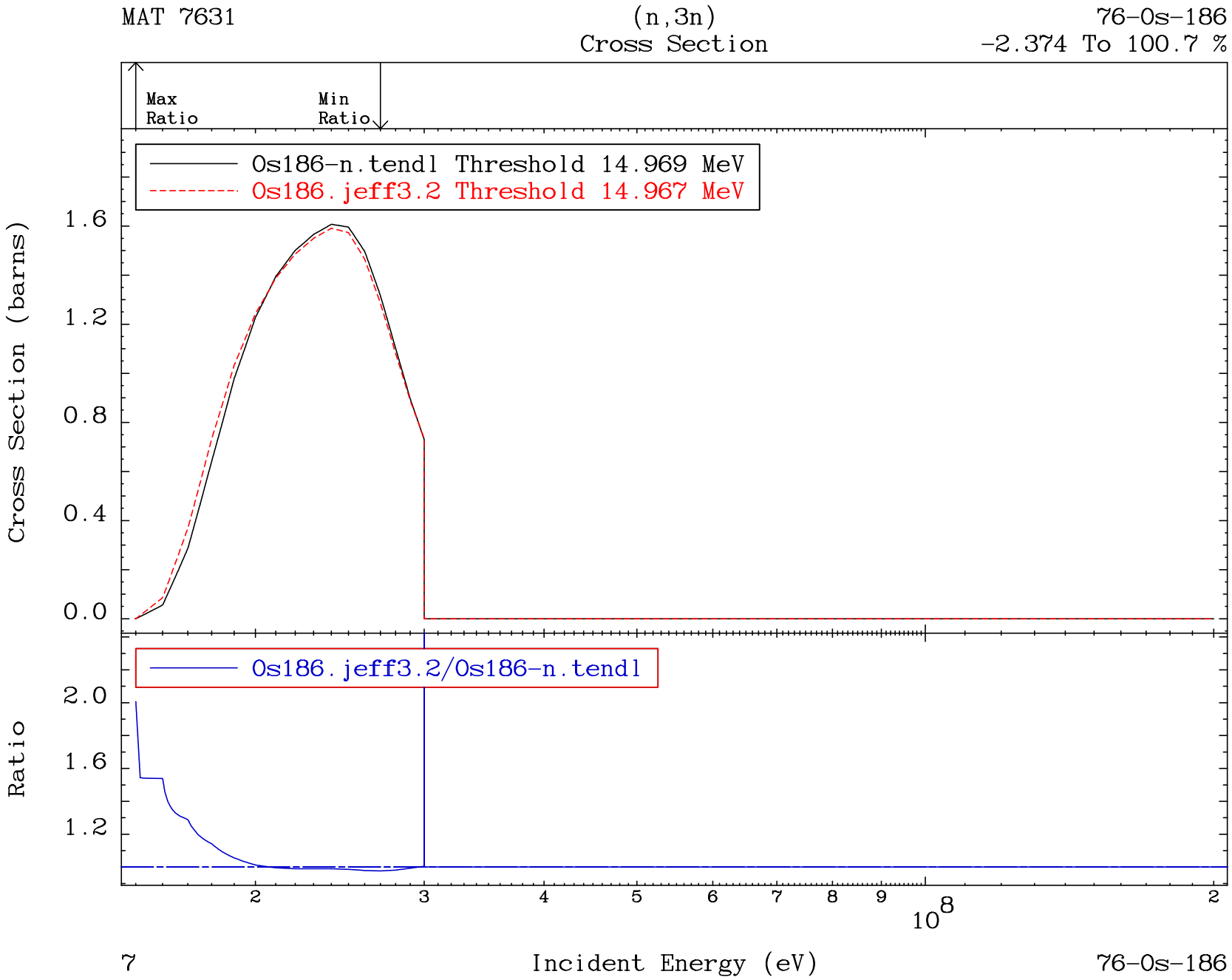

MAT 7631
Elastic
Cross Section
76-0s-186
-99.99 To 9999. %
Min
Ratio
Max
Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
2
76-0s-186

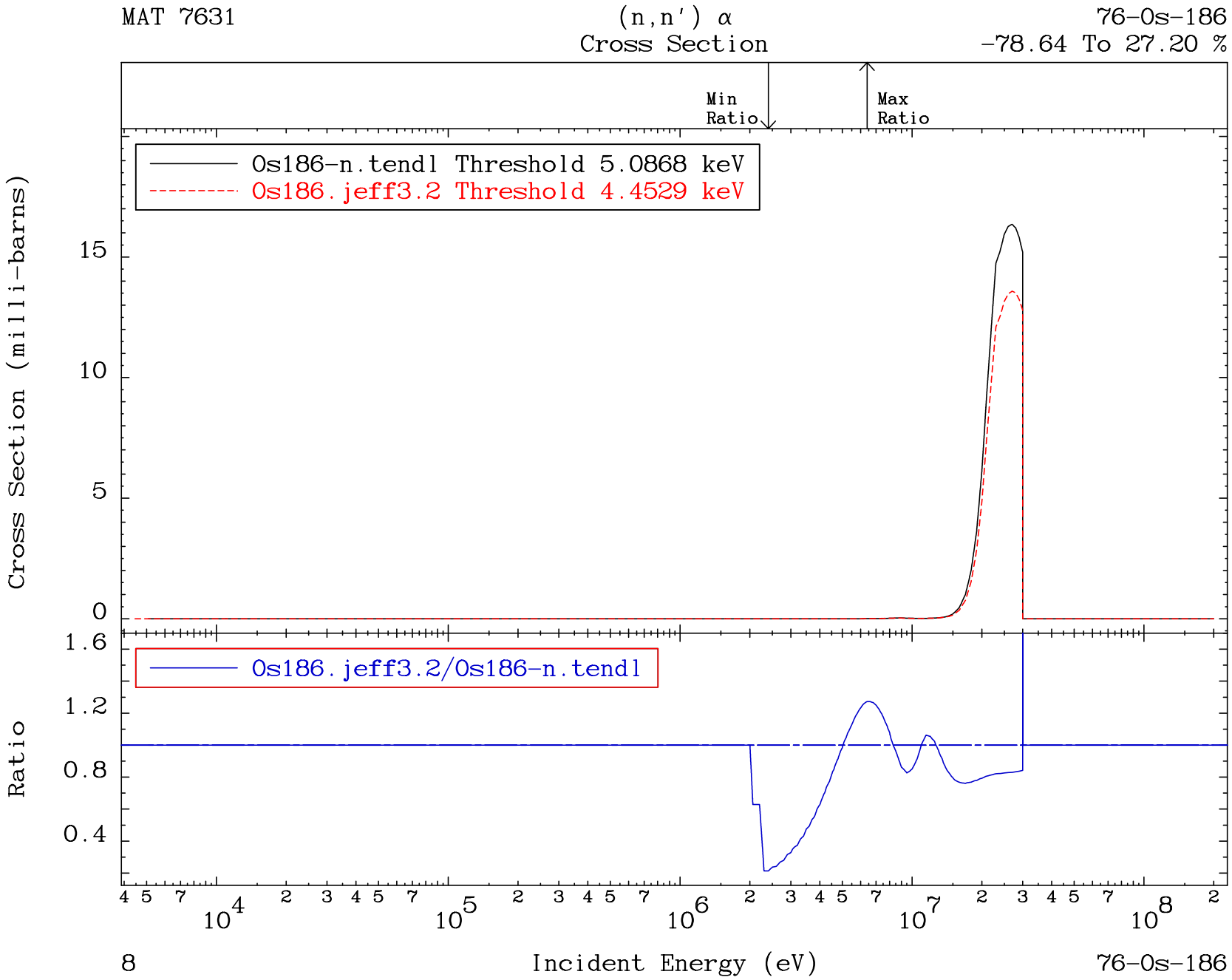

MAT 7631
Inelastic
Cross Section
76-0s-186
-4.084 To 9.907 %
Max
Ratio
Min
Ratio
0s186-n.tendl Threshold 137.90 keV
0s186.jeff3.2 Threshold 137.90 keV
Cross Section (barns)
0
1
2
3
4
0s186.jeff3.2/0s186-n.tendl
Ratio
0.95
1.00
1.05
1.10
2
3
4
5
6
8
10^6
10^7
10^8
3
Incident Energy (eV)
76-0s-186

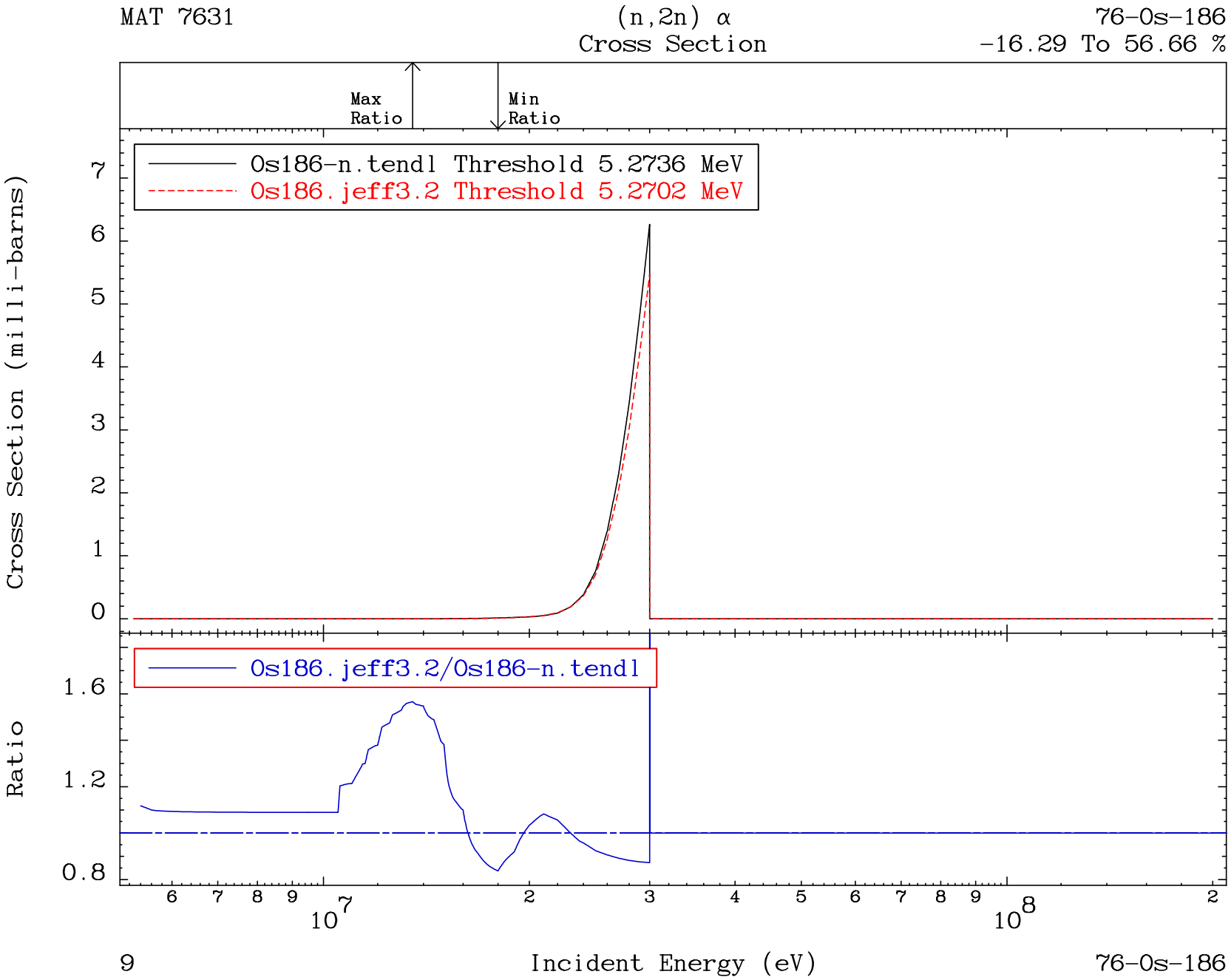

MAT 7631
(n,remainder)
Cross Section
76-Os-186
0.201 To 0.513 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 30.000 MeV
0s186.jeff3.2 Threshold 30.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.01
1.00
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
76-Os-186

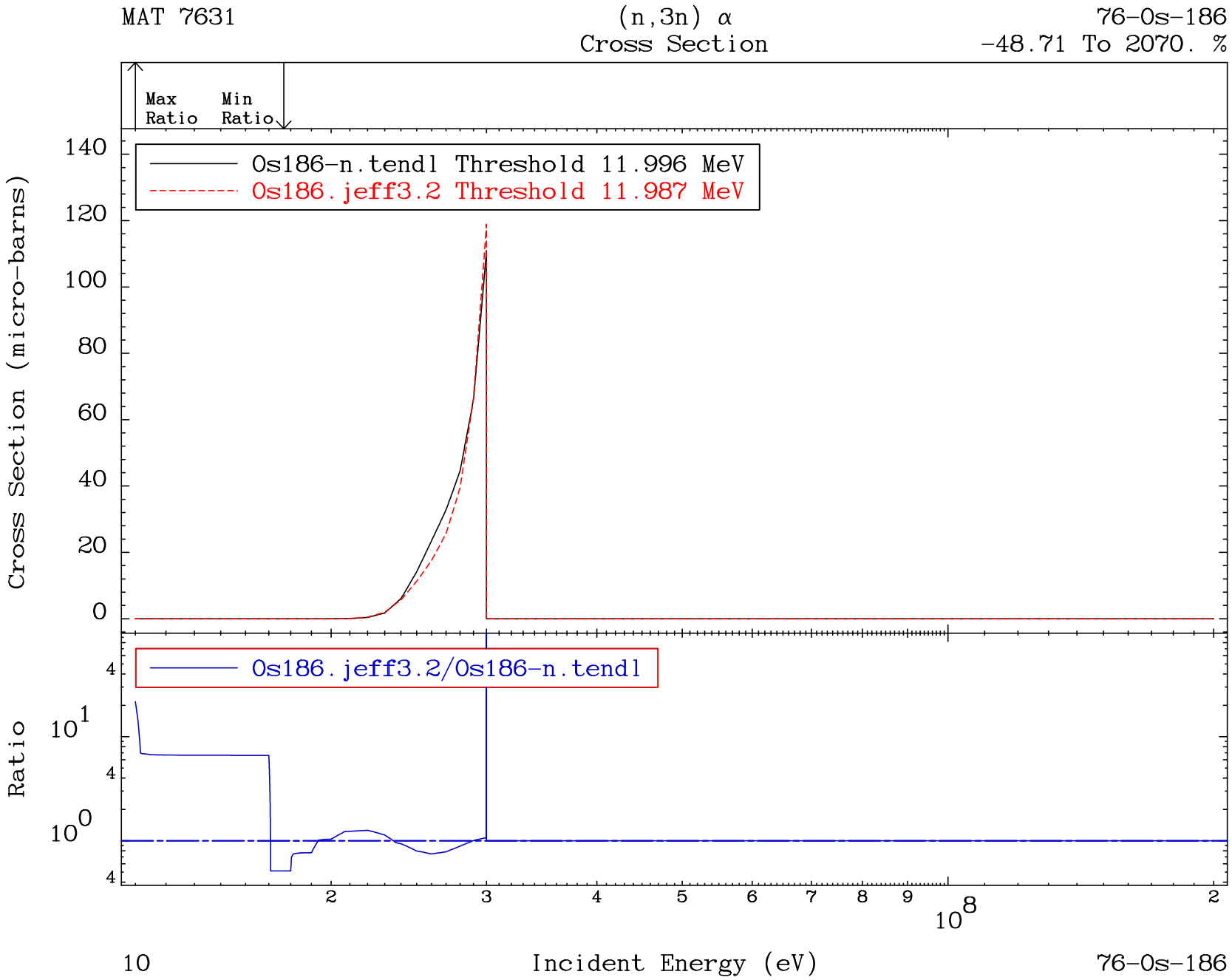

MAT 7631
(n,2n) d
Cross Section
76-0s-186
-24.61 To 126.6 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 18.498 MeV
0s186.jeff3.2 Threshold 18.495 MeV
Cross Section (micro-barns)
400
300
200
100
0
0s186.jeff3.2/0s186-n.tendl
Ratio
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
76-0s-186

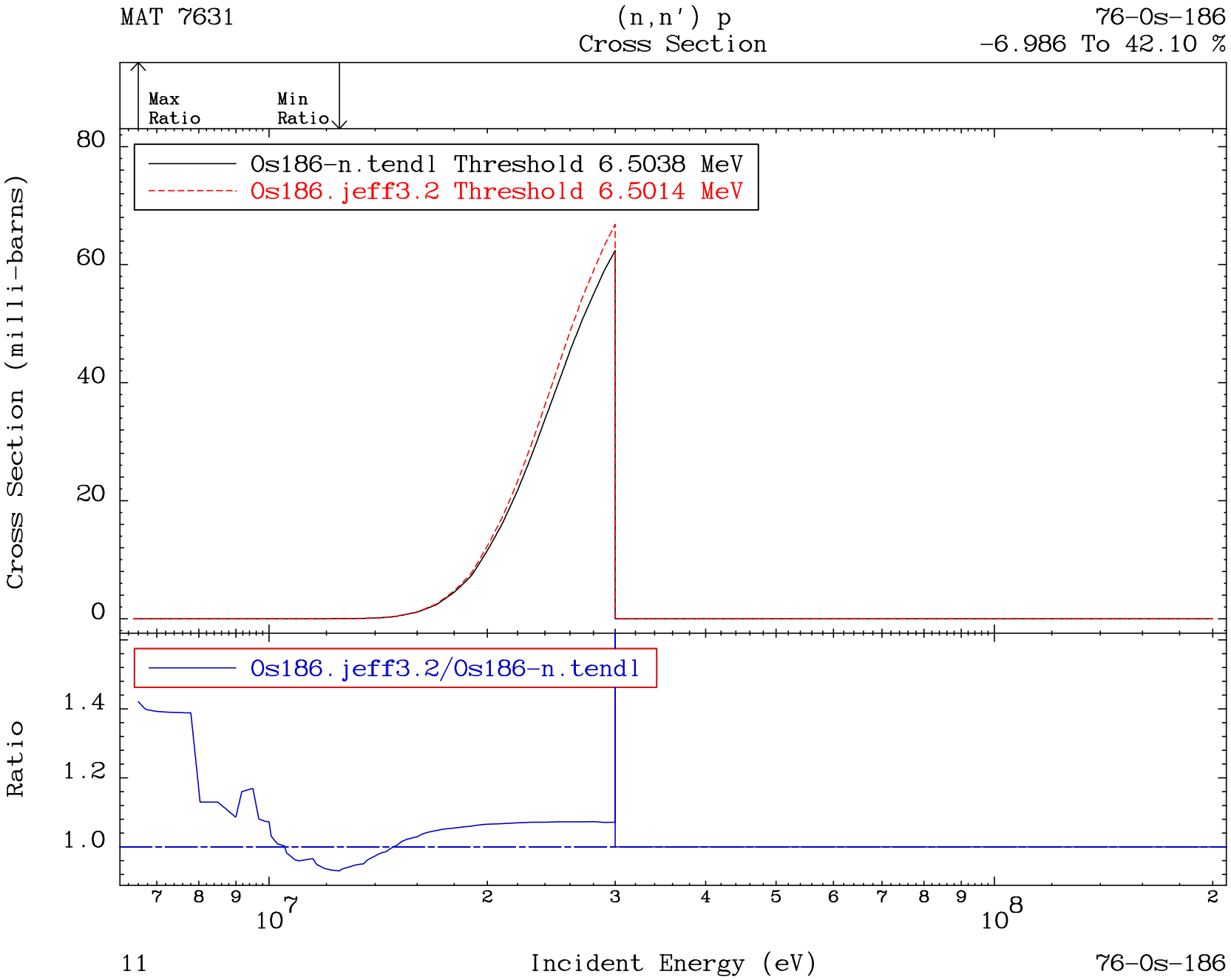

MAT 7631
(n,2n)
Cross Section
76-Os-186
-7.689 To 31.76 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 8.3087 MeV
Os186.jeff3.2 Threshold 8.3063 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
1.4
1.2
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
76-Os-186

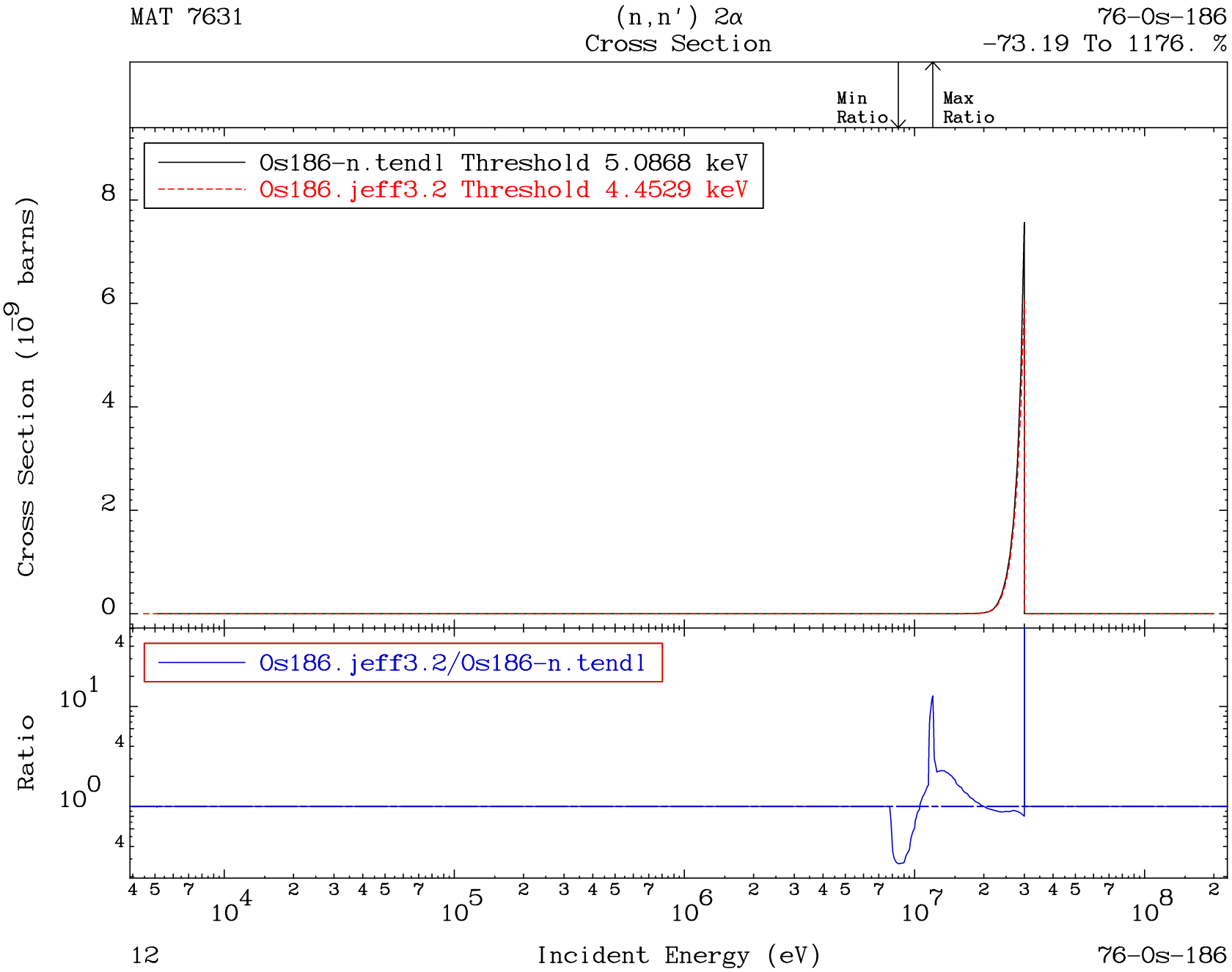

MAT 7631
(n,3n)
Cross Section
76-Os-186
-2.374 To 100.7 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 14.969 MeV
Os186.jeff3.2 Threshold 14.967 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
76-Os-186

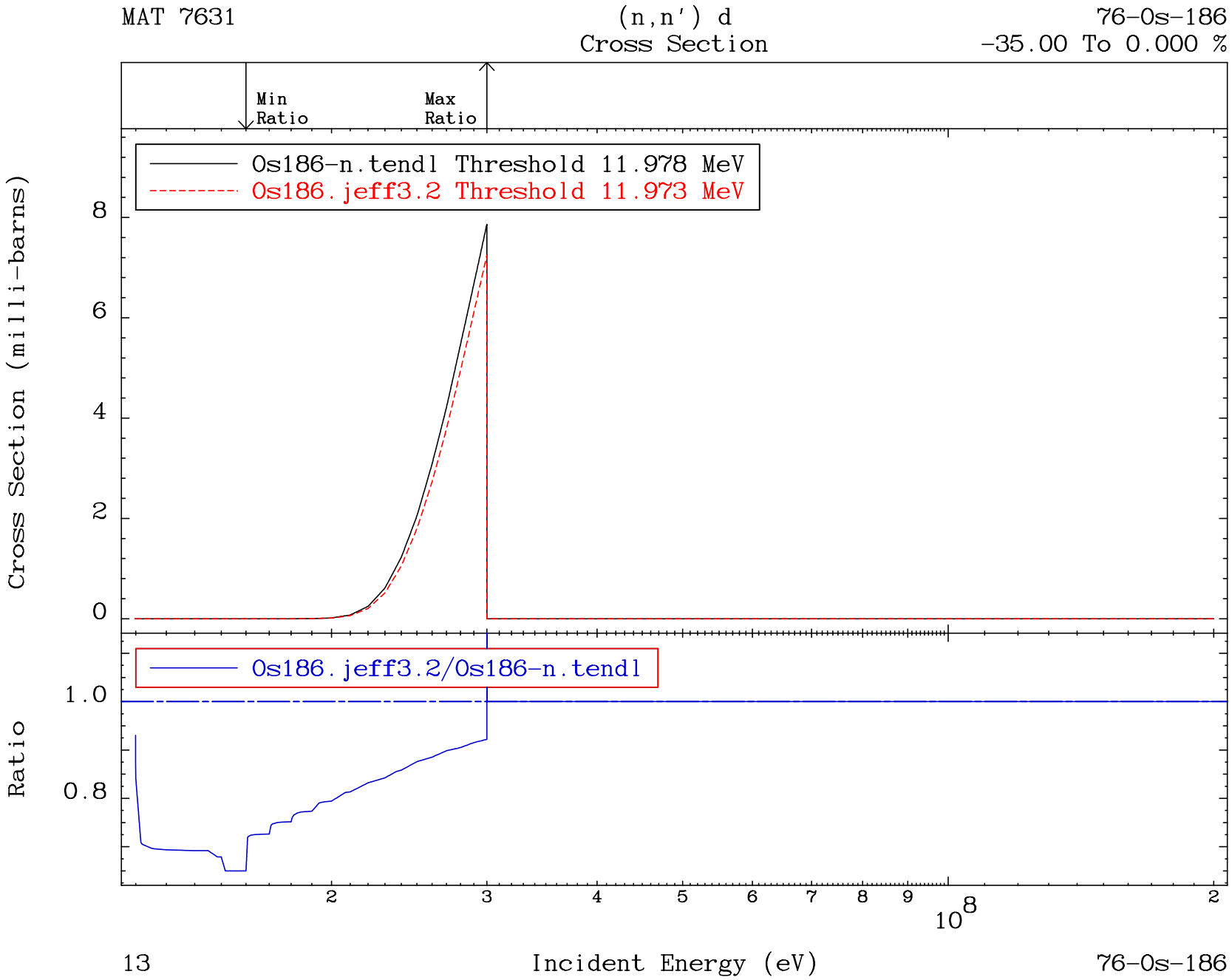

MAT 7631
(n,n') α
Cross Section
76-0s-186
-78.64 To 27.20 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 5.0868 keV
0s186.jeff3.2 Threshold 4.4529 keV
Cross Section (milli-barns)
0
5
10
15
0s186.jeff3.2/0s186-n.tendl
Ratio
0.4
0.8
1.2
1.6
4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
8
76-0s-186

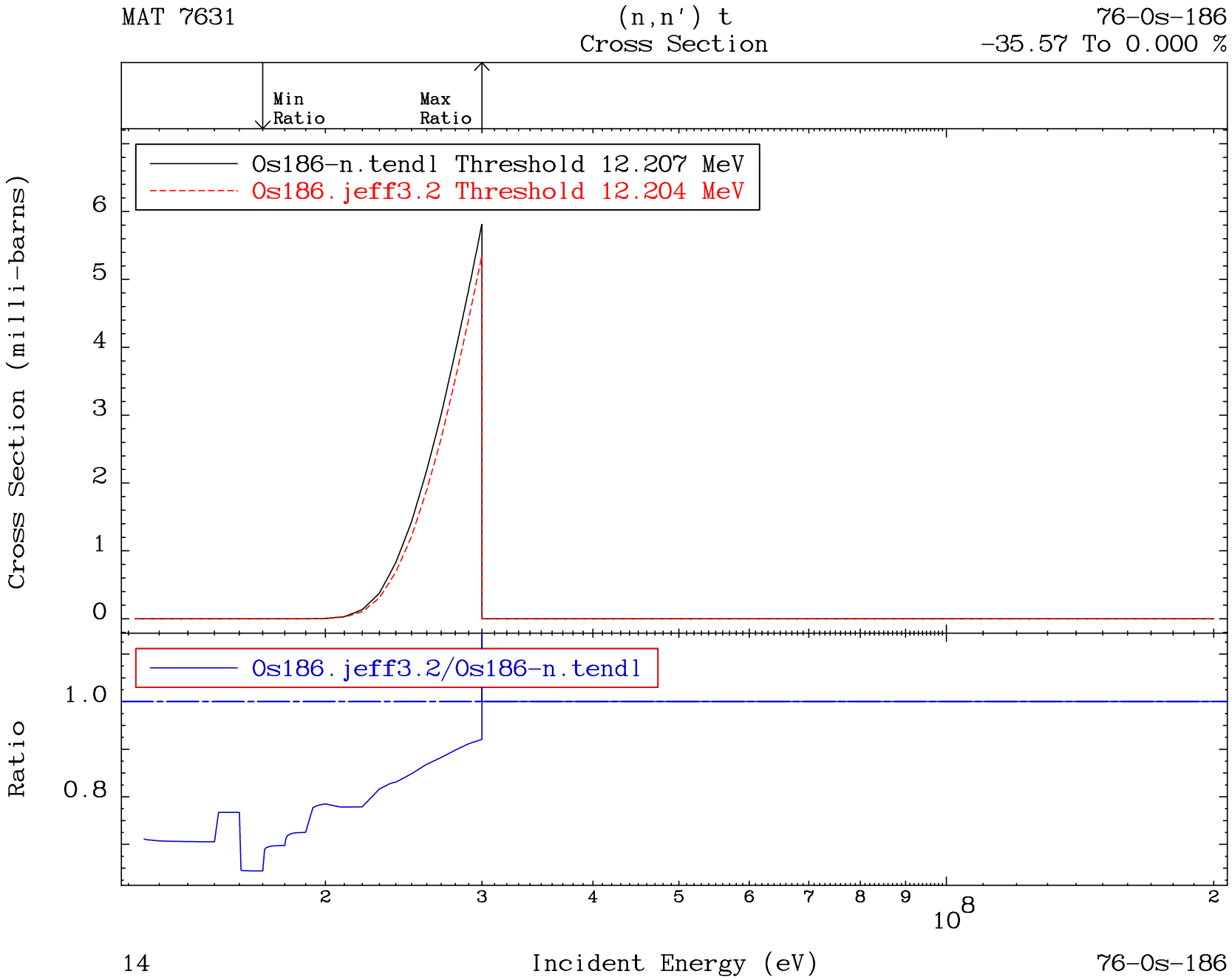

MAT 7631
(n,2n) α
Cross Section
76-0s-186
-16.29 To 56.66 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 5.2736 MeV
0s186.jeff3.2 Threshold 5.2702 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
0s186.jeff3.2/0s186-n.tendl
Ratio
0.8
1.2
1.6
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
9
76-0s-186

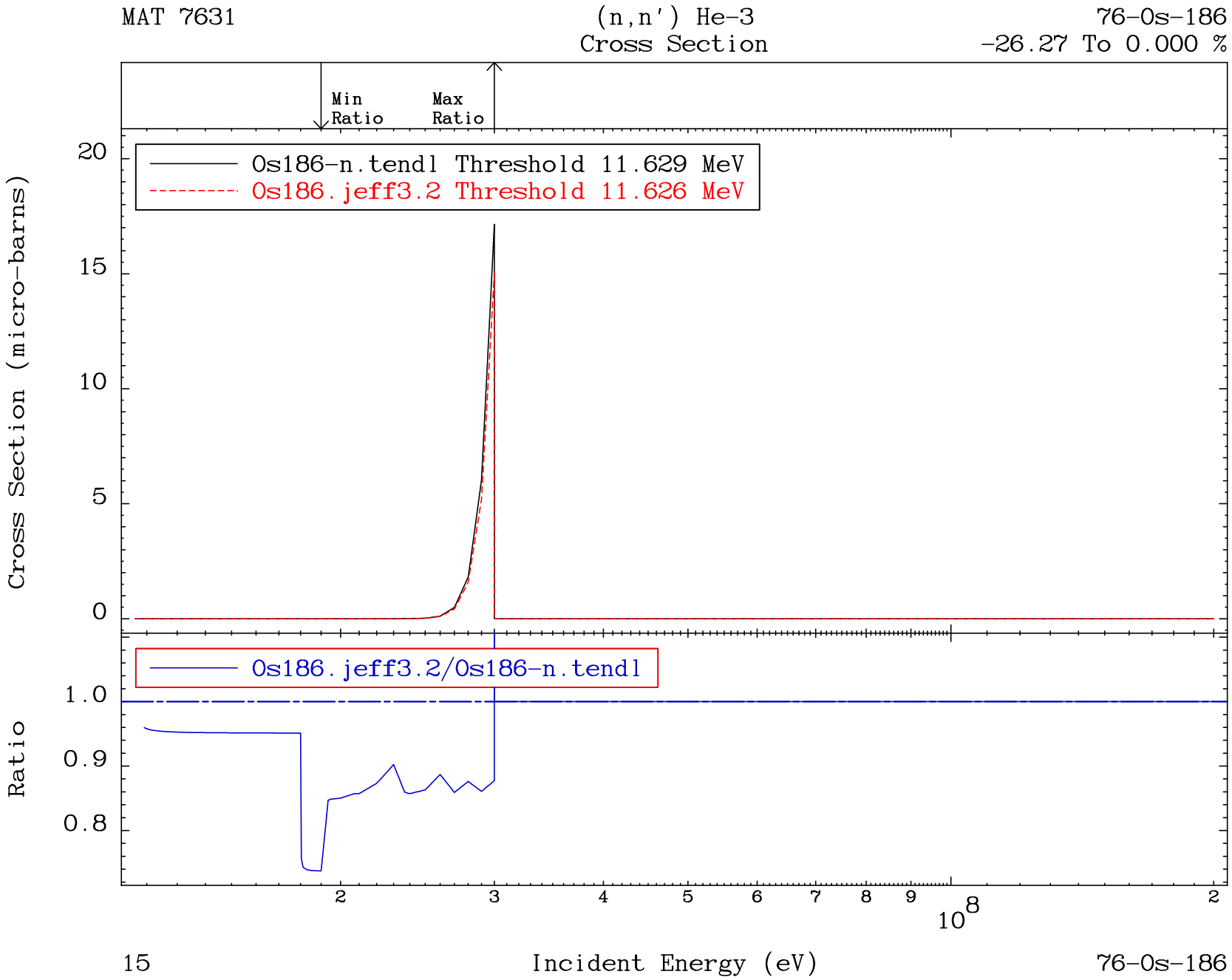

MAT 7631
(n,3n) α
Cross Section
76-0s-186
-48.71 To 2070. %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 11.996 MeV
0s186.jeff3.2 Threshold 11.987 MeV
Cross Section (micro-barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
10
76-0s-186

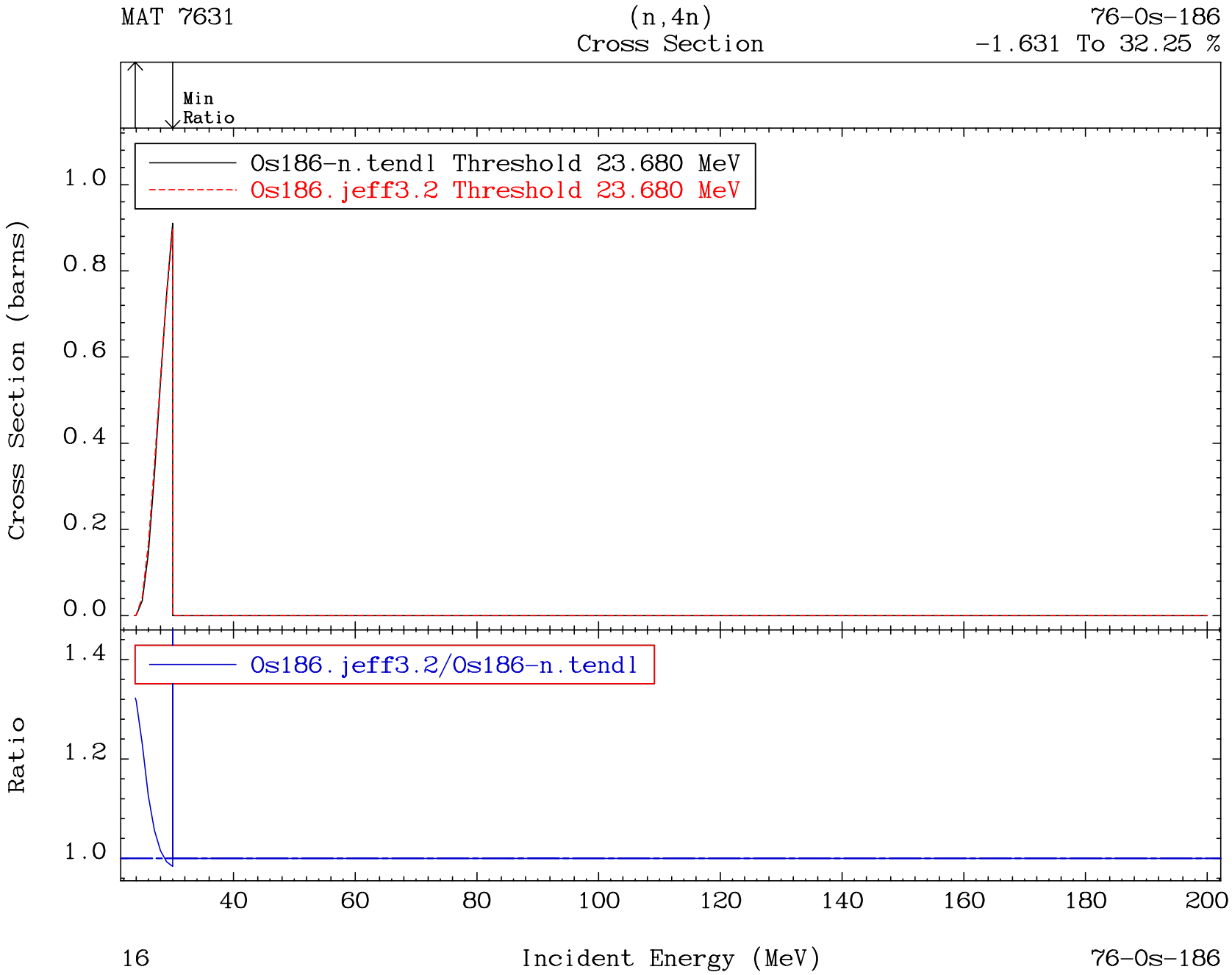

MAT 7631
(n,n') p
Cross Section
76-0s-186
-6.986 To 42.10 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 6.5038 MeV
0s186.jeff3.2 Threshold 6.5014 MeV
Cross Section (milli-barns)
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.4
1.2
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
76-0s-186

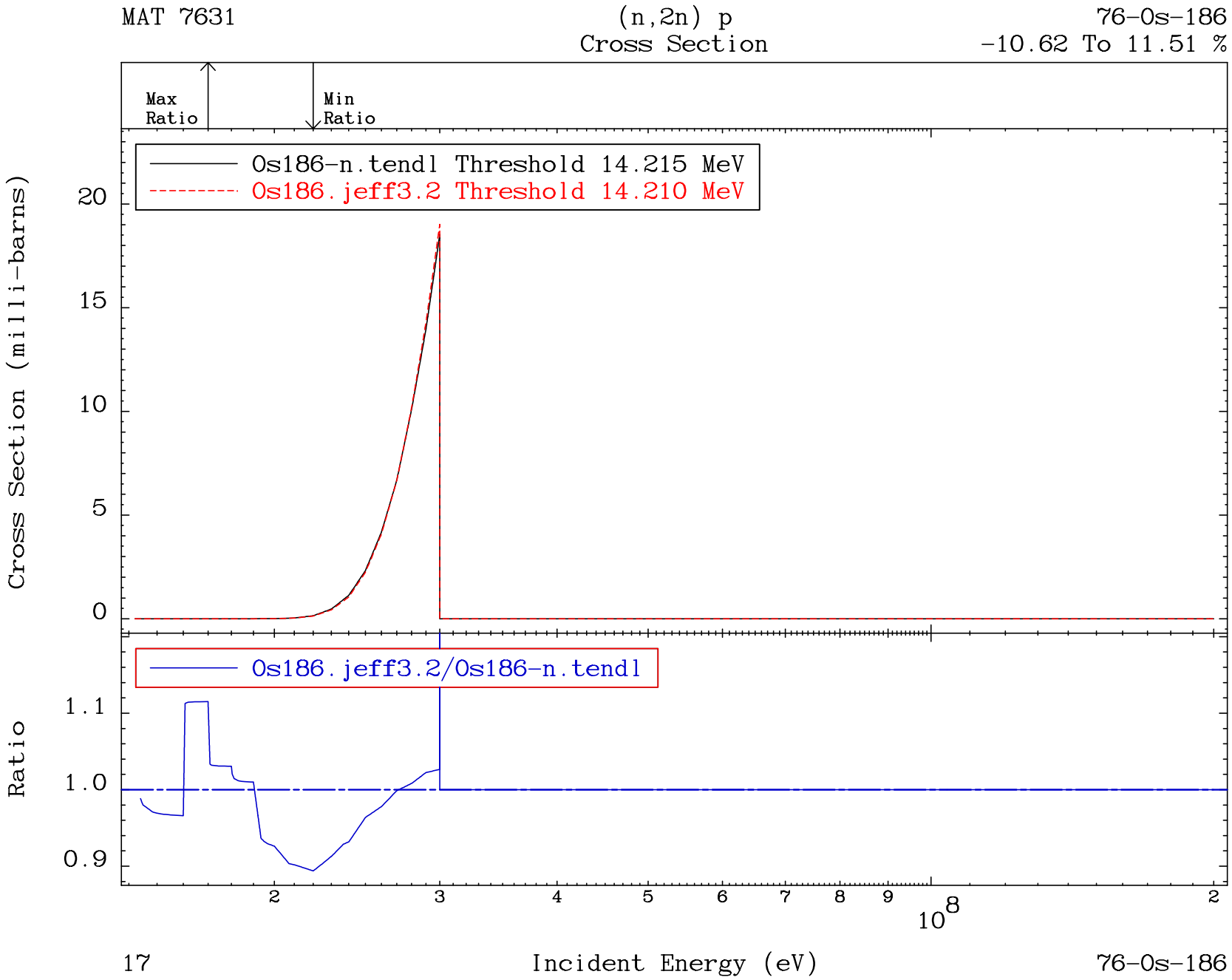

MAT 7631
(n,n') 2α
Cross Section
76-0s-186
-73.19 To 1176. %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 5.0868 keV
0s186.jeff3.2 Threshold 4.4529 keV
Cross Section (10^{-9} barns)
0
2
4
6
8
0s186.jeff3.2/0s186-n.tendl
Ratio
10^0
10^1
4
4
4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
12
Incident Energy (eV)
76-0s-186

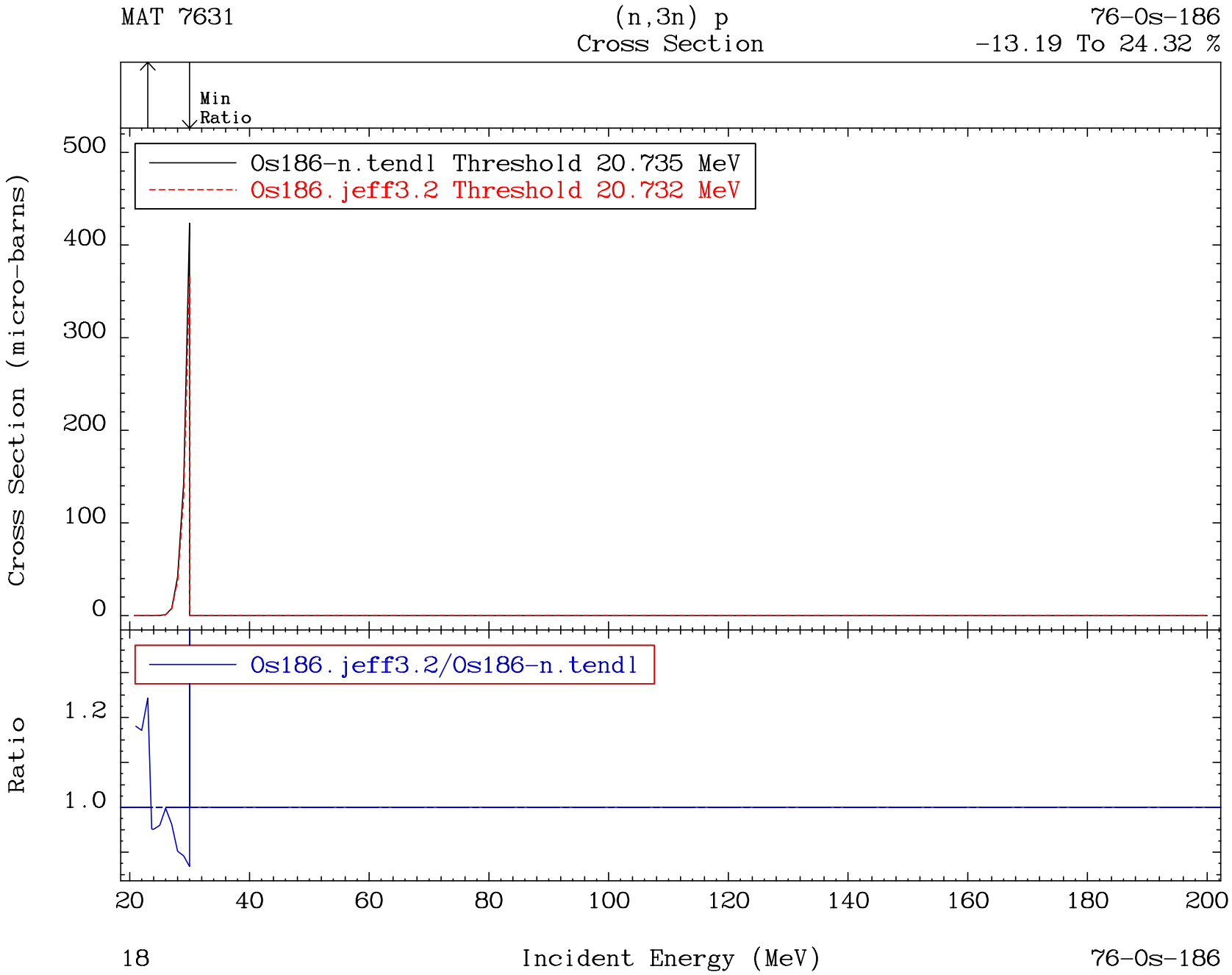

MAT 7631
(n,n') d
Cross Section
76-0s-186
-35.00 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 11.978 MeV
0s186.jeff3.2 Threshold 11.973 MeV
Cross Section (milli-barns)
0
2
4
6
8
0s186.jeff3.2/0s186-n.tendl
Ratio
0.8
1.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
76-0s-186

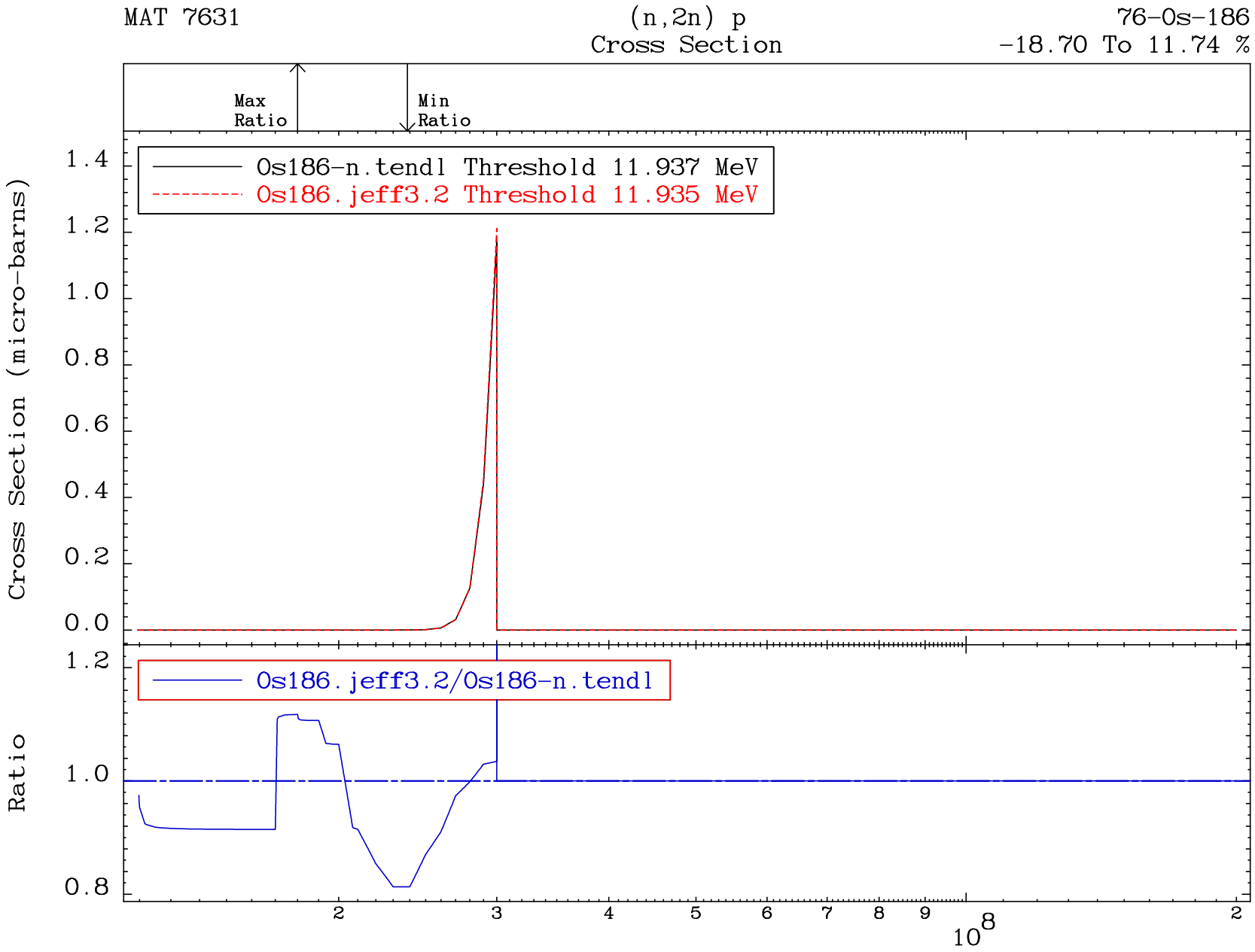

MAT 7631
(n,n') t
Cross Section
76-0s-186
-35.57 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 12.207 MeV
0s186.jeff3.2 Threshold 12.204 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
76-0s-186

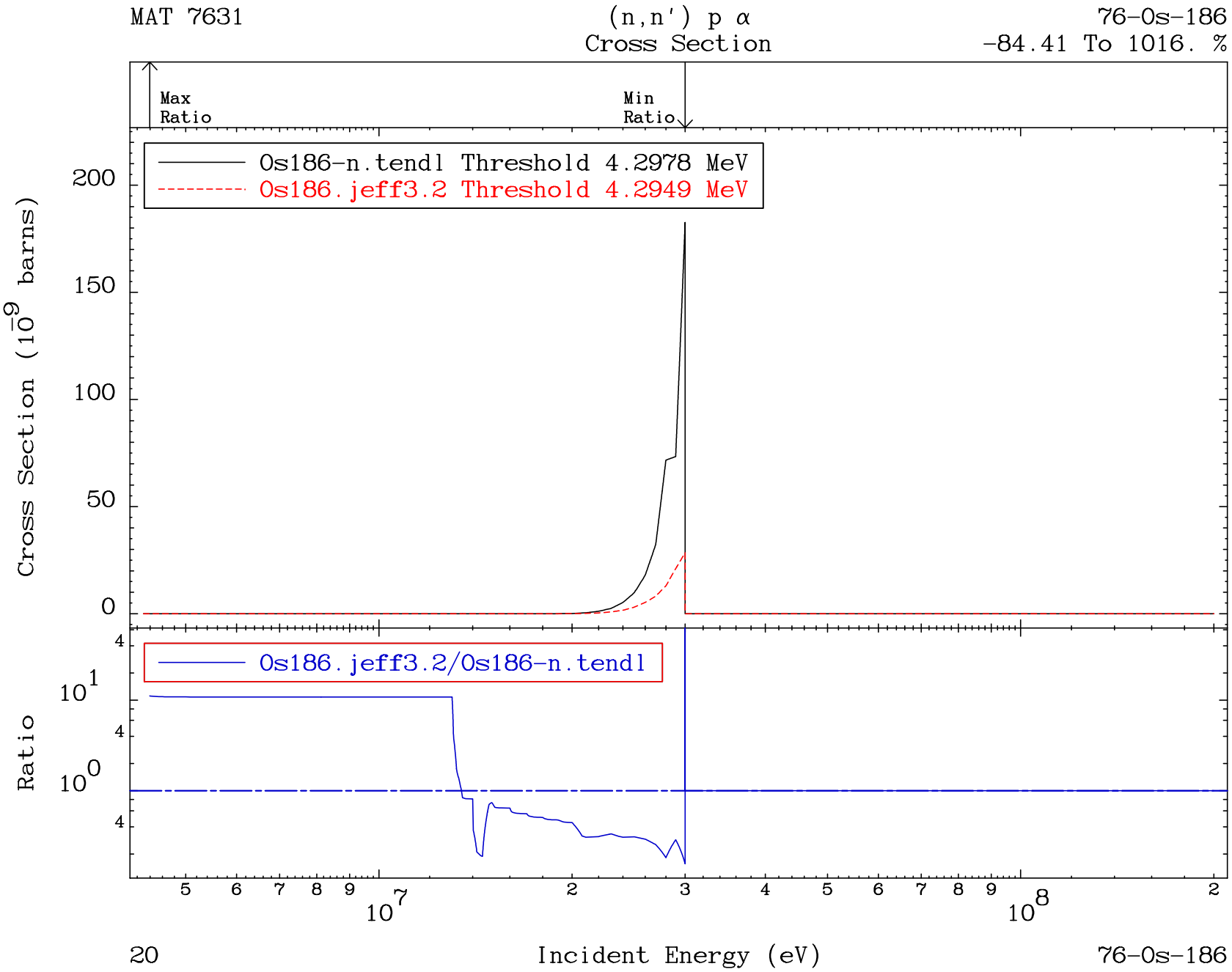

MAT 7631
(n,n') He-3
Cross Section
76-0s-186
-26.27 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 11.629 MeV
0s186.jeff3.2 Threshold 11.626 MeV
Cross Section (micro-barns)
20
15
10
5
0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
0.9
0.8
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
76-0s-186

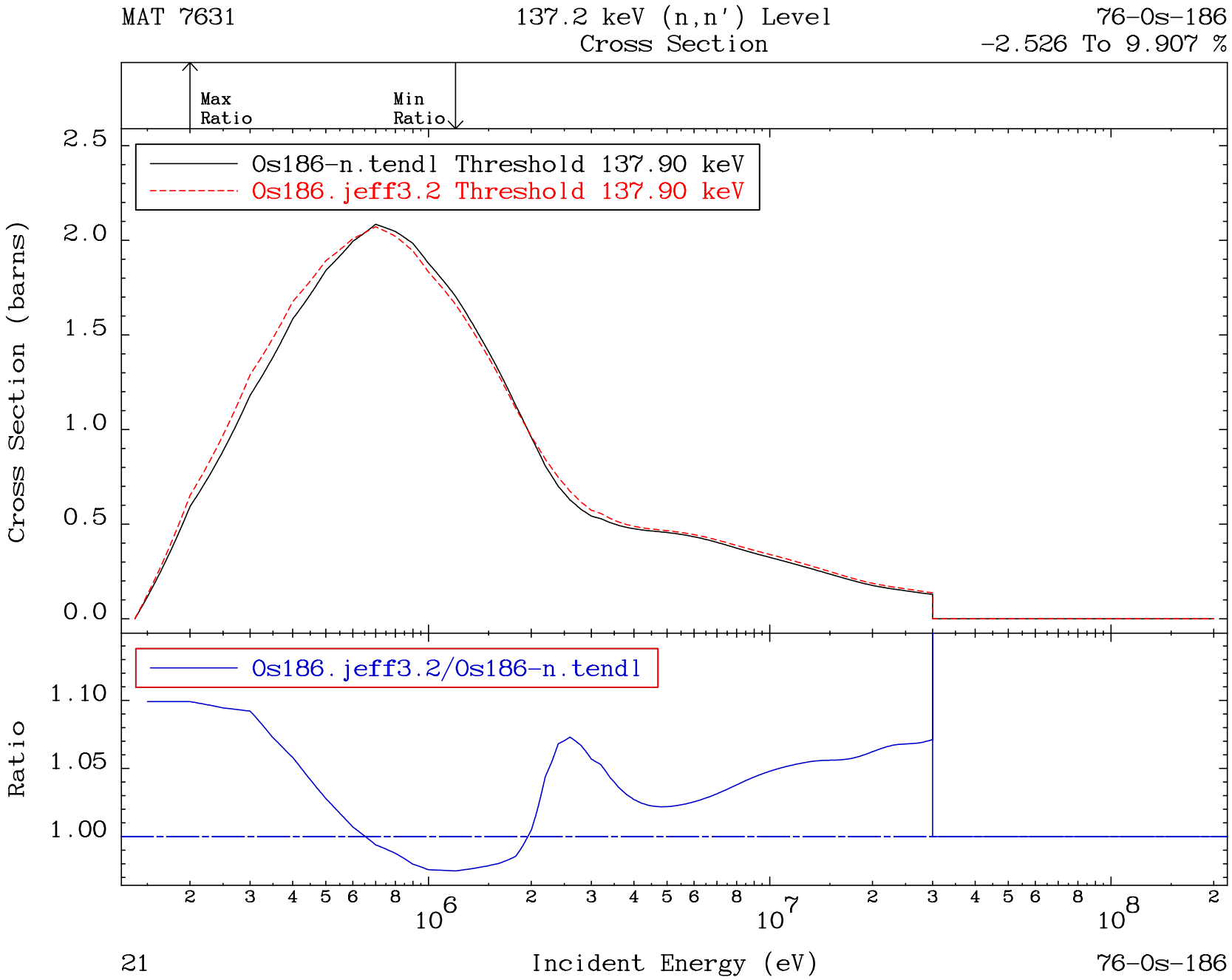

MAT 7631
(n,4n)
Cross Section
76-Os-186
-1.631 To 32.25 %
Min
Ratio
Os186-n.tendl Threshold 23.680 MeV
Os186.jeff3.2 Threshold 23.680 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
1.4
1.2
1.0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
76-Os-186

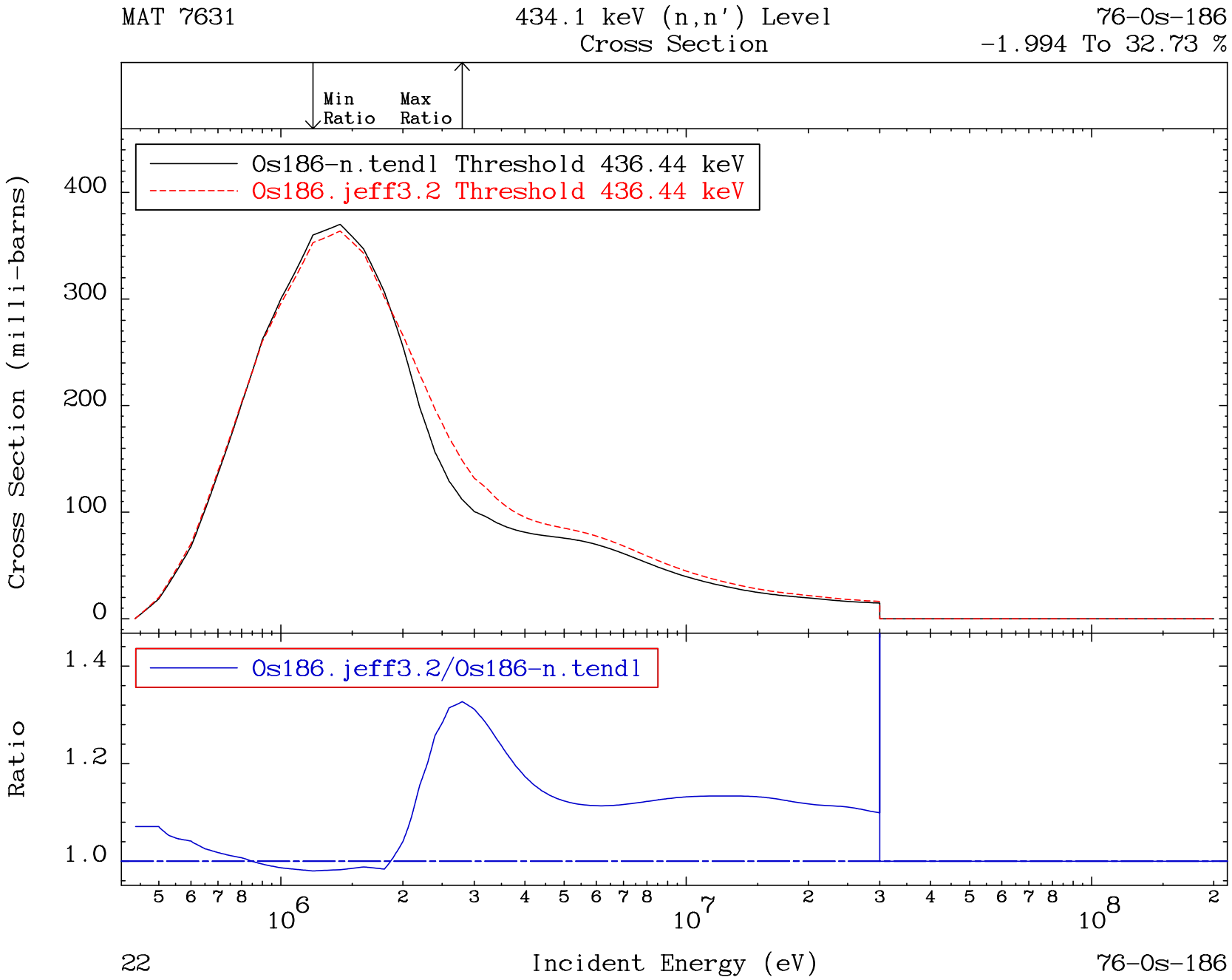

MAT 7631
(n,2n) p
Cross Section
76-0s-186
-10.62 To 11.51 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 14.215 MeV
0s186.jeff3.2 Threshold 14.210 MeV
Cross Section (milli-barns)
20
15
10
5
0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.1
1.0
0.9
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
76-0s-186

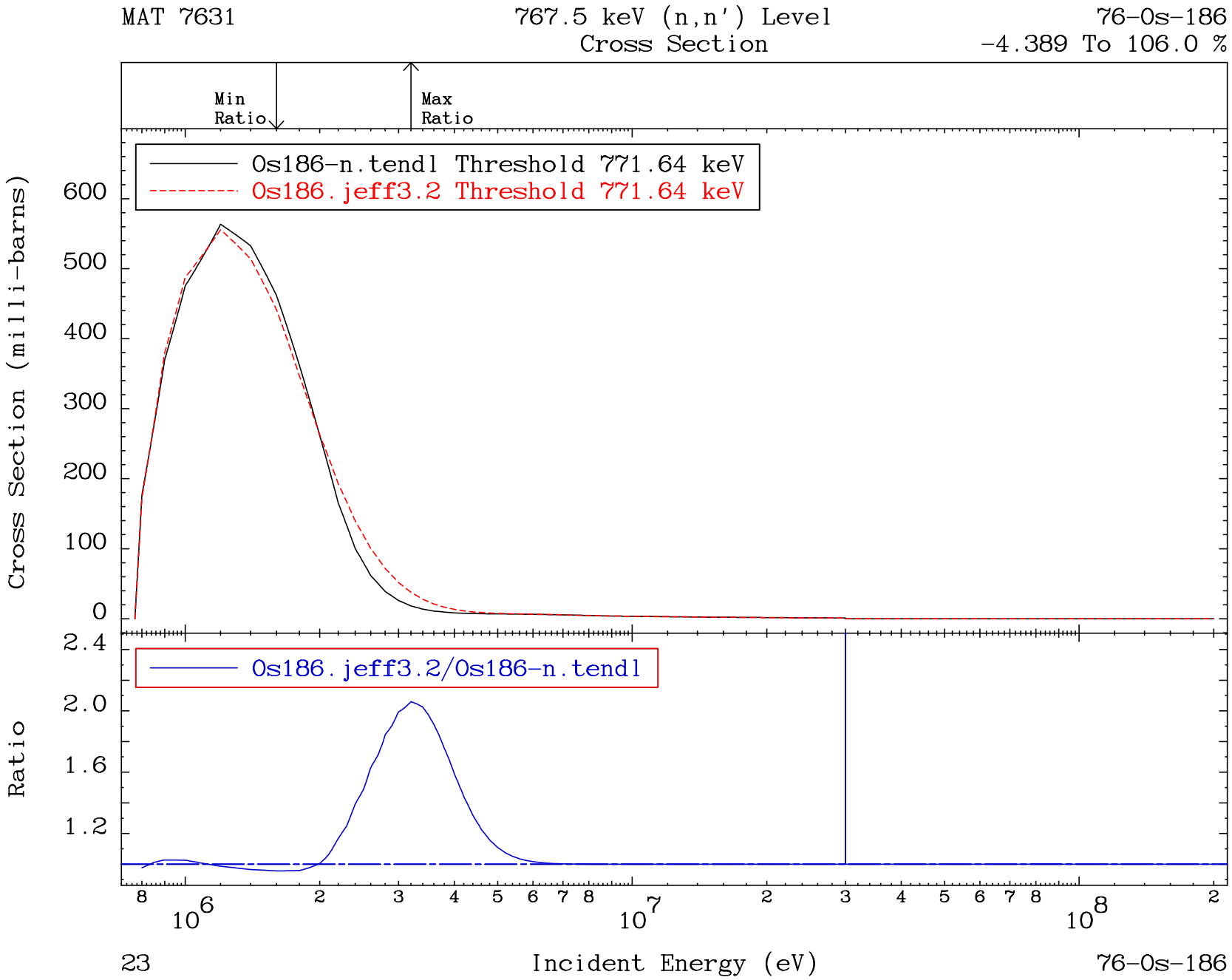

MAT 7631
(n,3n) p
Cross Section
76-Os-186
-13.19 To 24.32 %
Min
Ratio
Os186-n.tendl Threshold 20.735 MeV
Os186.jeff3.2 Threshold 20.732 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
Os186.jeff3.2/Os186-n.tendl
Ratio
1.2
1.0
20
40
60
80
100
120
140
160
180
200
18
Incident Energy (MeV)
76-Os-186

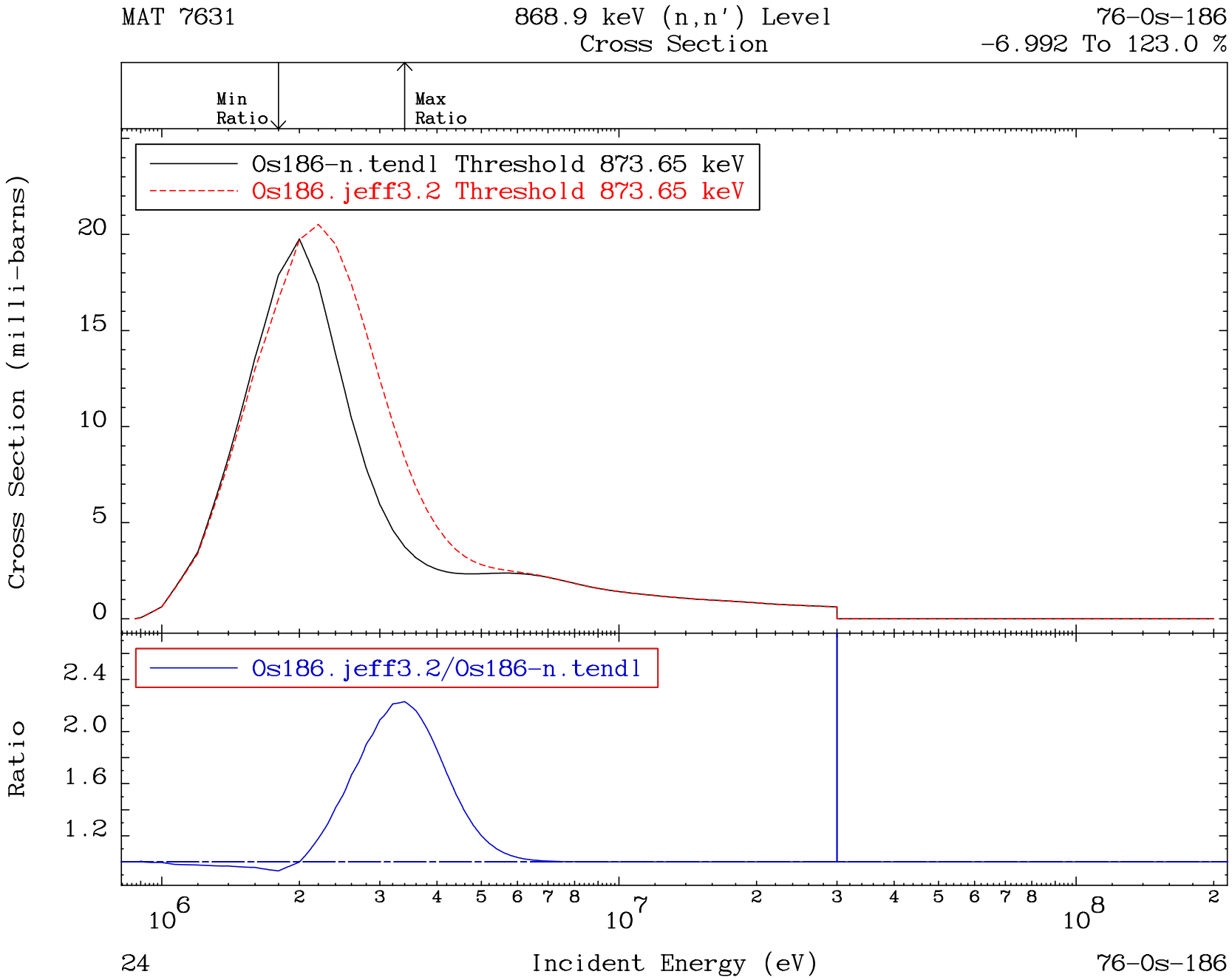

MAT 7631
(n,2n) p
Cross Section
76-0s-186
-18.70 To 11.74 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 11.937 MeV
0s186.jeff3.2 Threshold 11.935 MeV
Cross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
76-0s-186

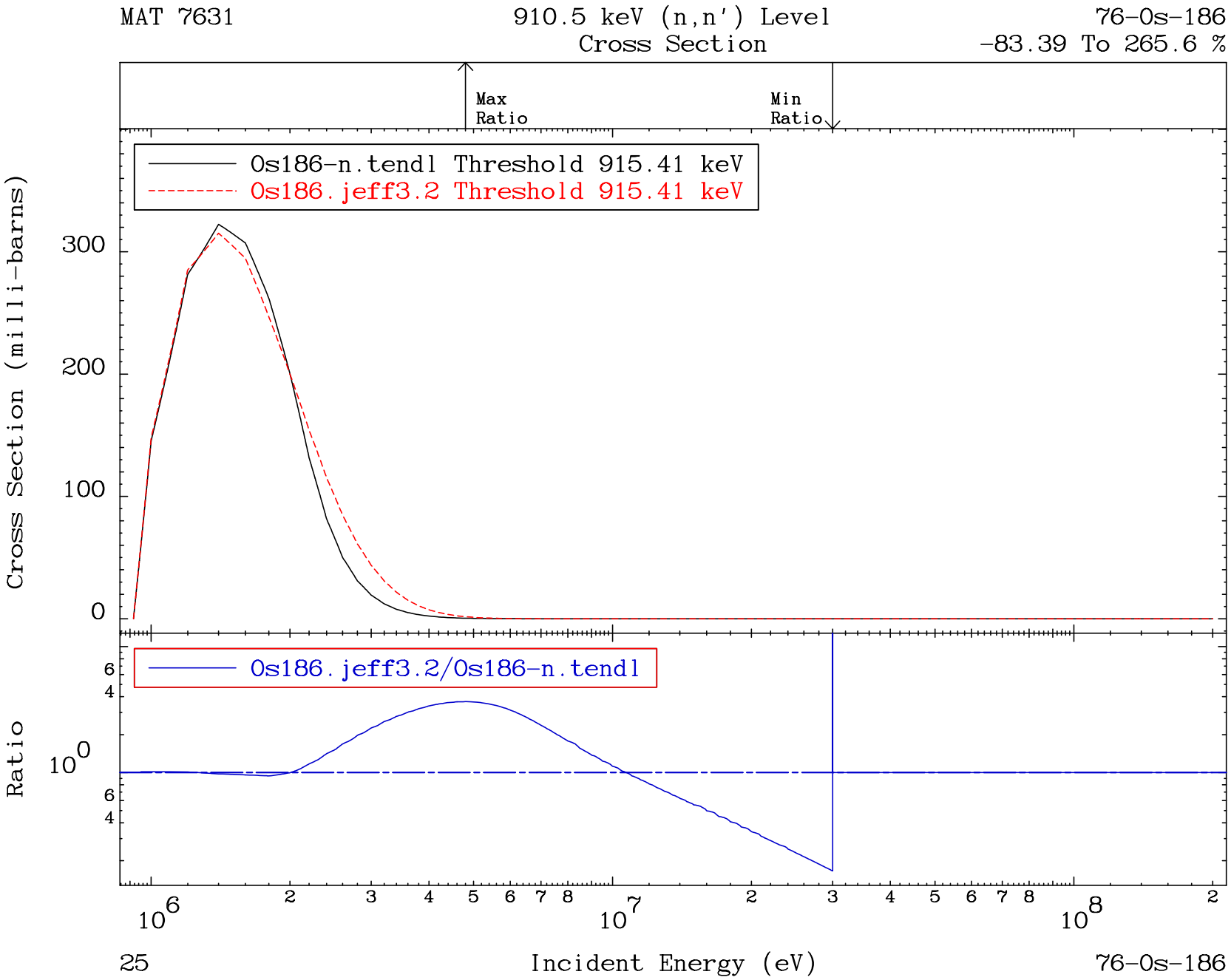

MAT 7631
(n,n') p α
Cross Section
76-0s-186
-84.41 To 1016. %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 4.2978 MeV
0s186.jeff3.2 Threshold 4.2949 MeV
Cross Section (10^{-9} barns)
200
150
100
50
0
0s186.jeff3.2/0s186-n.tendl
Ratio
10^{1}
10^{0}
4
4
4
5 6 7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
20
Incident Energy (eV)
76-0s-186

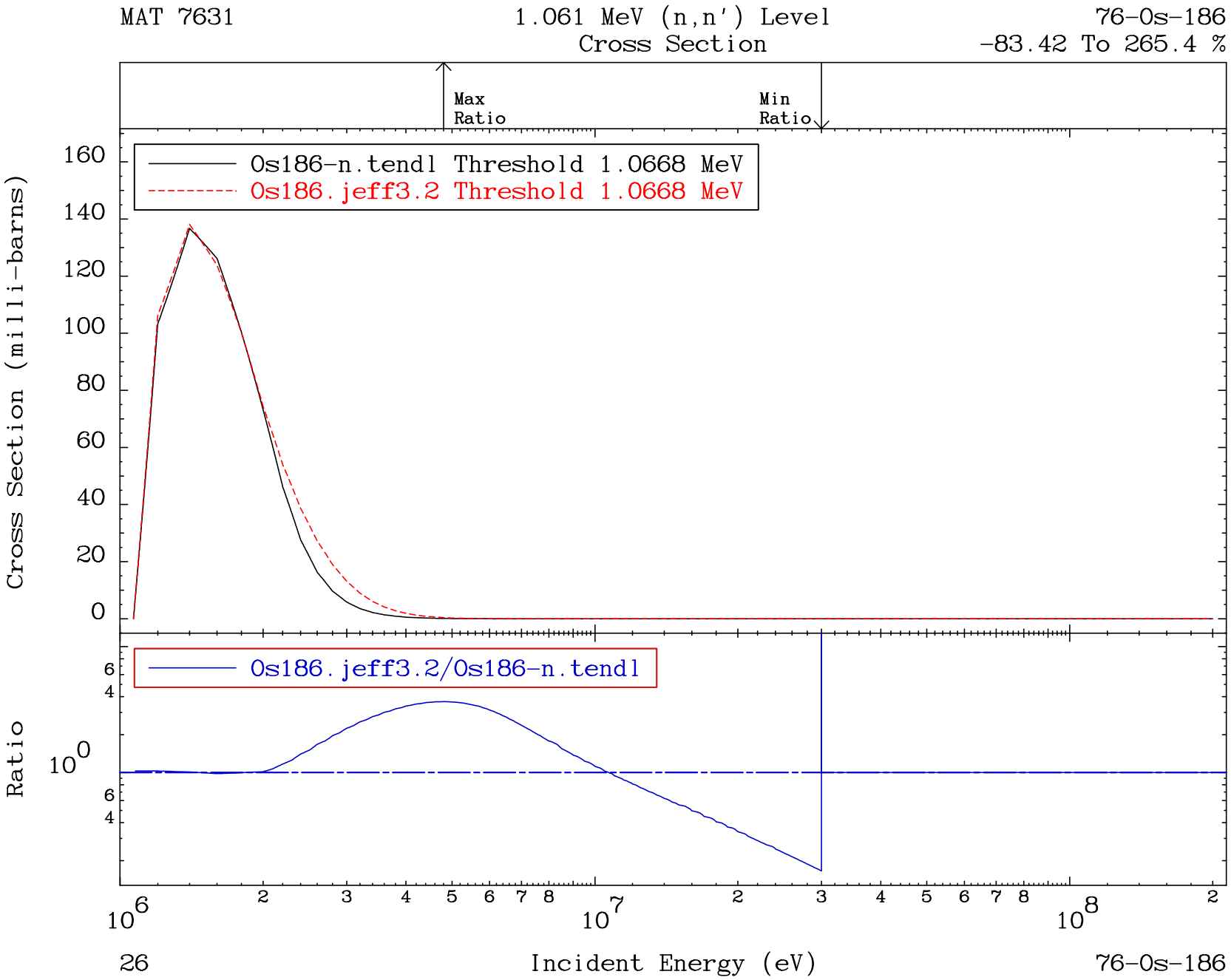

MAT 7631
137.2 keV (n,n') Level
Cross Section
76-0s-186
-2.526 To 9.907 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 137.90 keV
0s186.jeff3.2 Threshold 137.90 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.10
1.05
1.00
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
76-0s-186

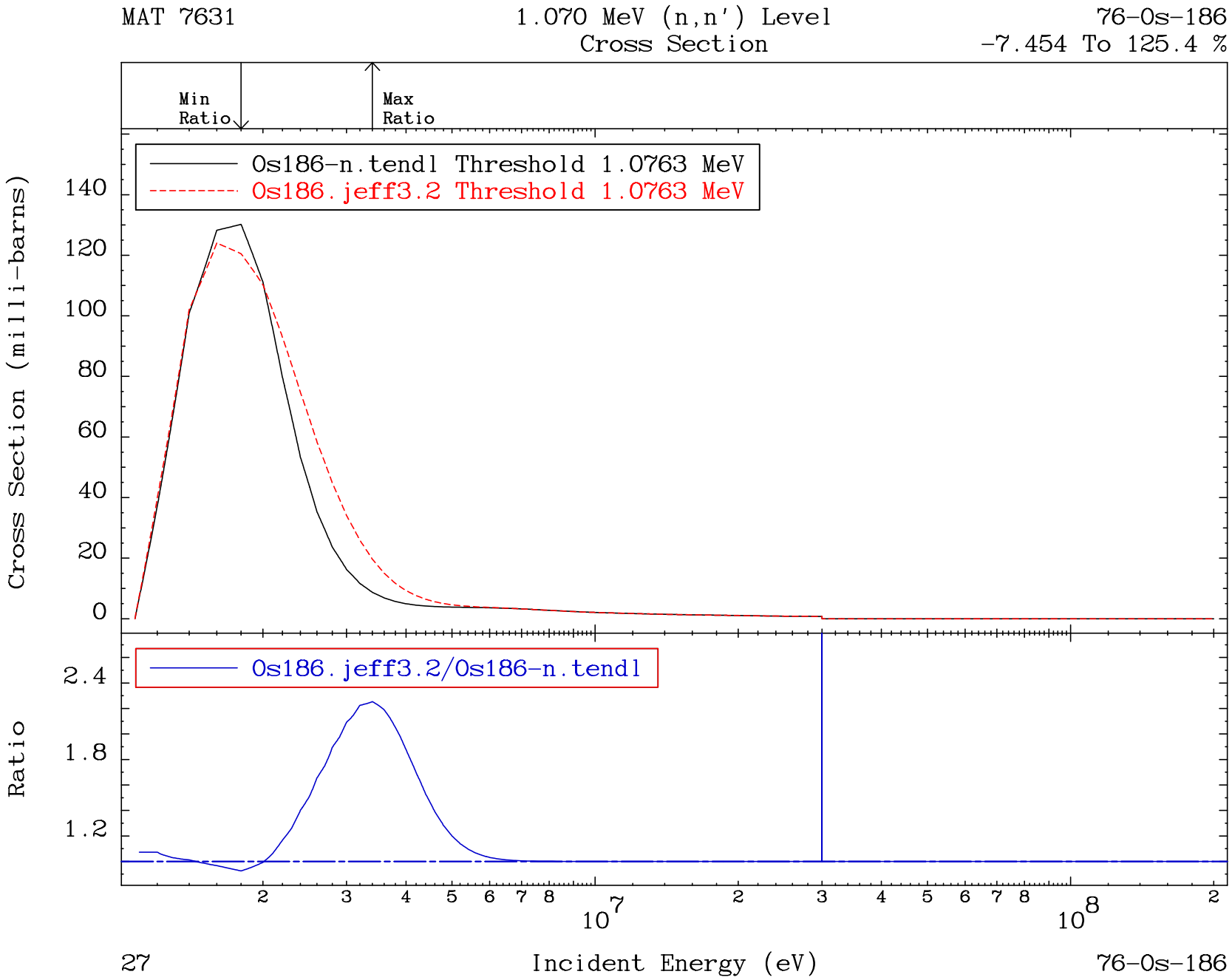

MAT 7631
434.1 keV (n,n') Level
Cross Section
76-0s-186
-1.994 To 32.73 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 436.44 keV
0s186.jeff3.2 Threshold 436.44 keV
Cross Section (milli-barns)
400
300
200
100
0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.4
1.2
1.0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
76-0s-186

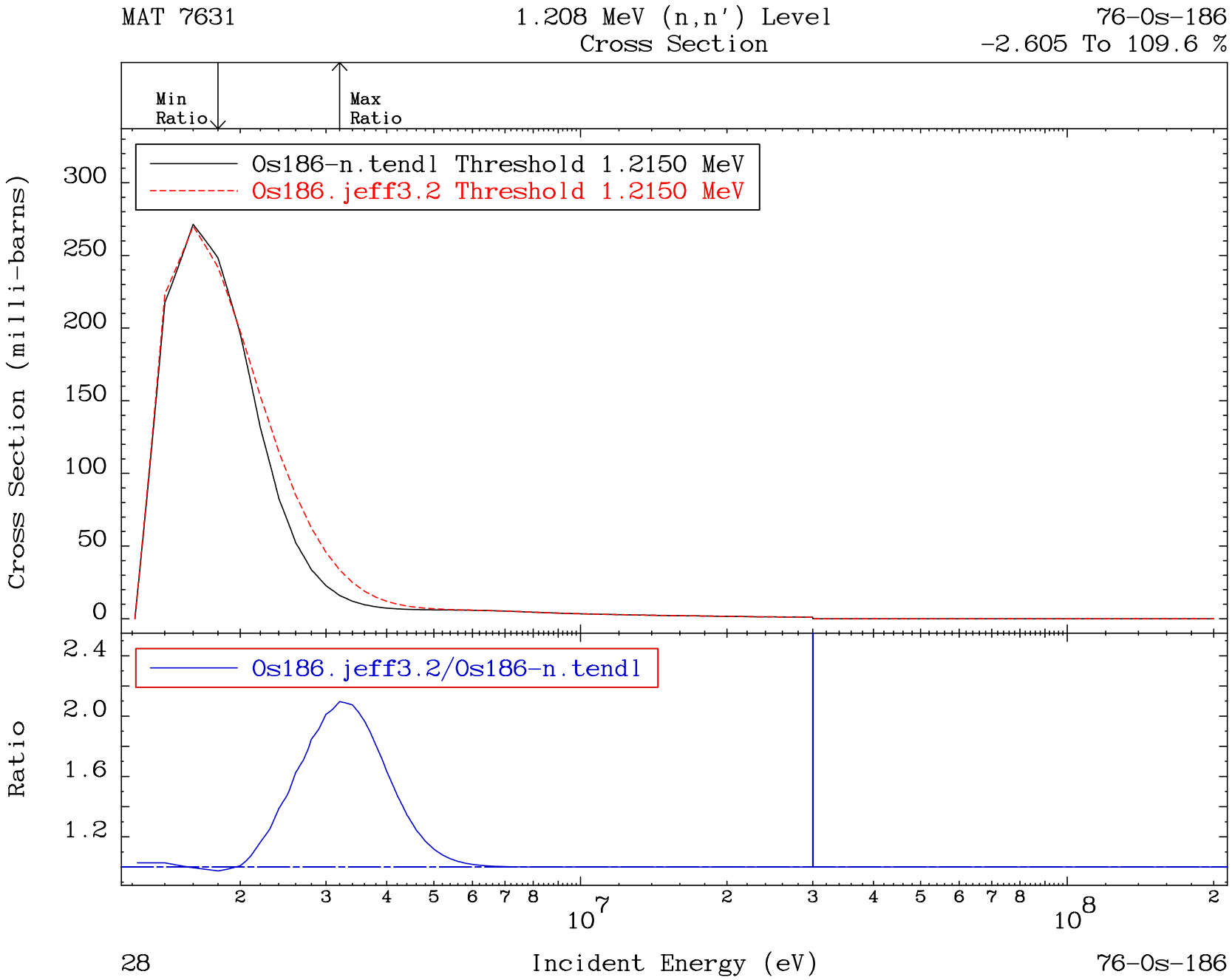

MAT 7631
767.5 keV (n,n') Level
Cross Section
76-0s-186
-4.389 To 106.0 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 771.64 keV
0s186.jeff3.2 Threshold 771.64 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
0s186.jeff3.2/0s186-n.tendl
Ratio
2.4
2.0
1.6
1.2
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
76-0s-186

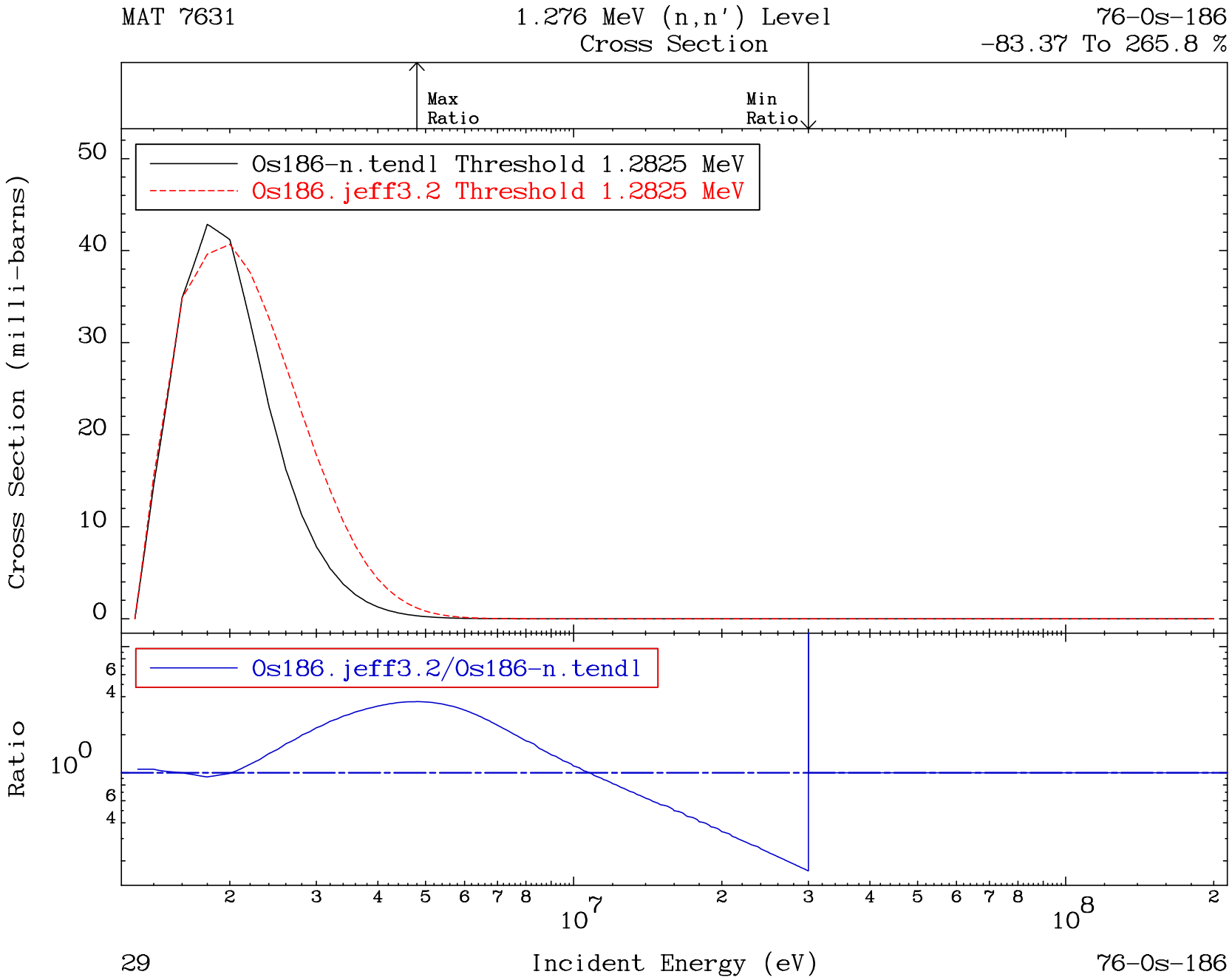

MAT 7631
868.9 keV (n,n') Level
Cross Section
76-0s-186
-6.992 To 123.0 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 873.65 keV
0s186.jeff3.2 Threshold 873.65 keV
Cross Section (milli-barns)
0
5
10
15
20
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.6
2.0
2.4
10^6
10^7
10^8
24
Incident Energy (eV)
76-0s-186

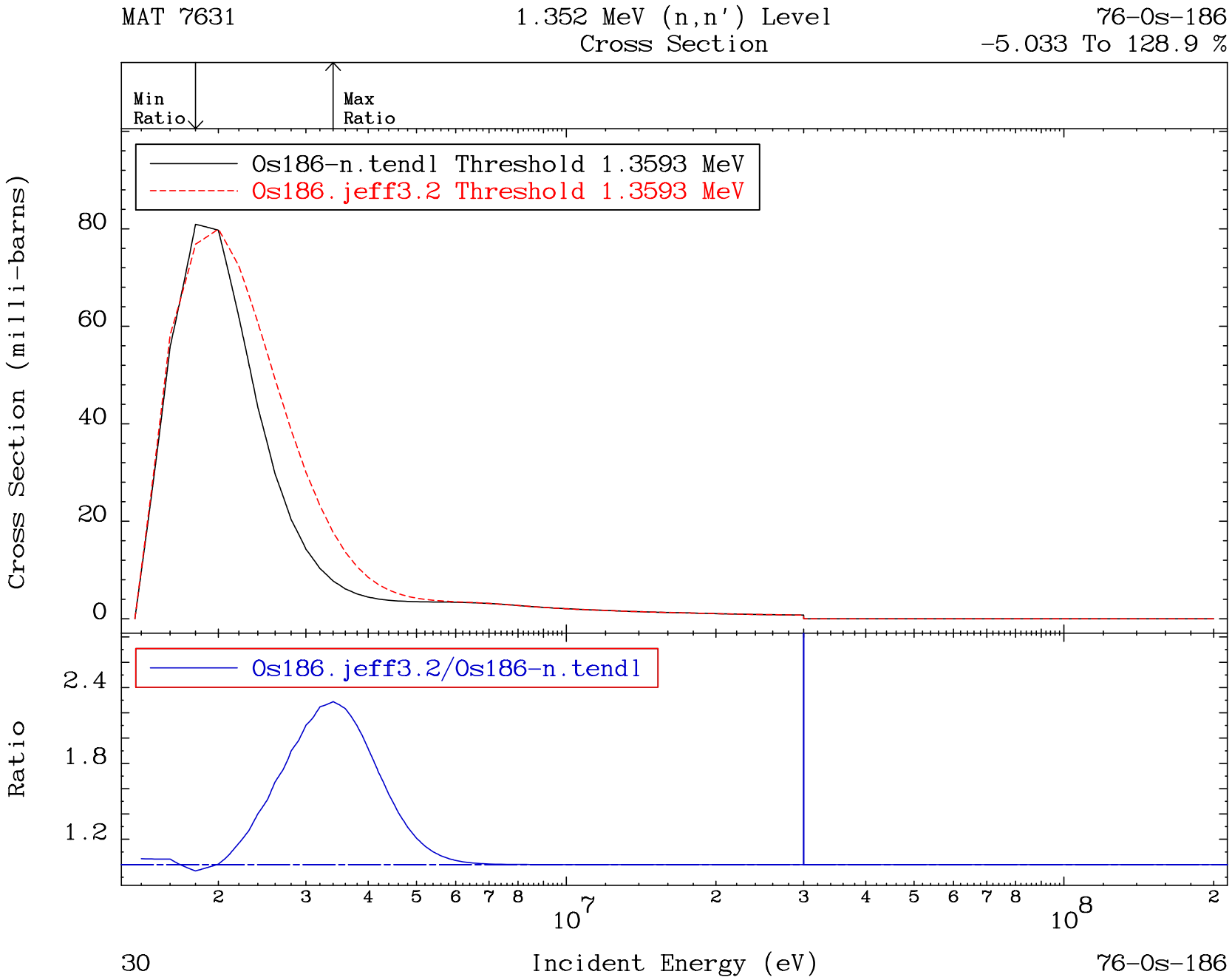

MAT 7631
910.5 keV (n,n') Level
Cross Section
76-0s-186
-83.39 To 265.6 %
Max
Ratio
Min
Ratio
0s186-n.tendl Threshold 915.41 keV
0s186.jeff3.2 Threshold 915.41 keV
Cross Section (milli-barns)
300
200
100
0
0s186.jeff3.2/0s186-n.tendl
Ratio
6
4
10^0
6
4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
76-0s-186

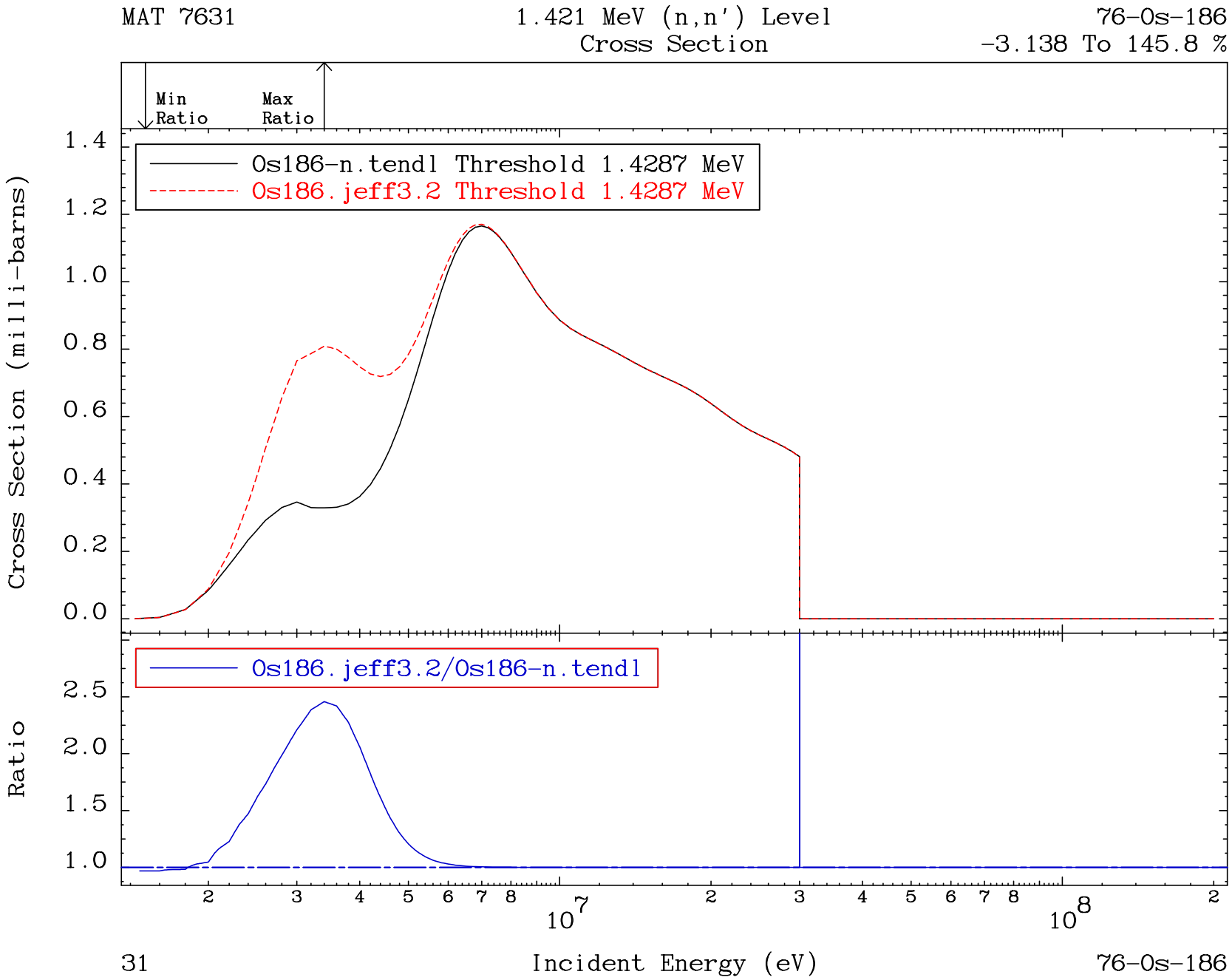

MAT 7631
1.061 MeV (n,n') Level
Cross Section
76-0s-186
-83.42 To 265.4 %
Max
Ratio
Min
Ratio
0s186-n.tendl Threshold 1.0668 MeV
0s186.jeff3.2 Threshold 1.0668 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
6
4
10^0
6
4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
76-0s-186

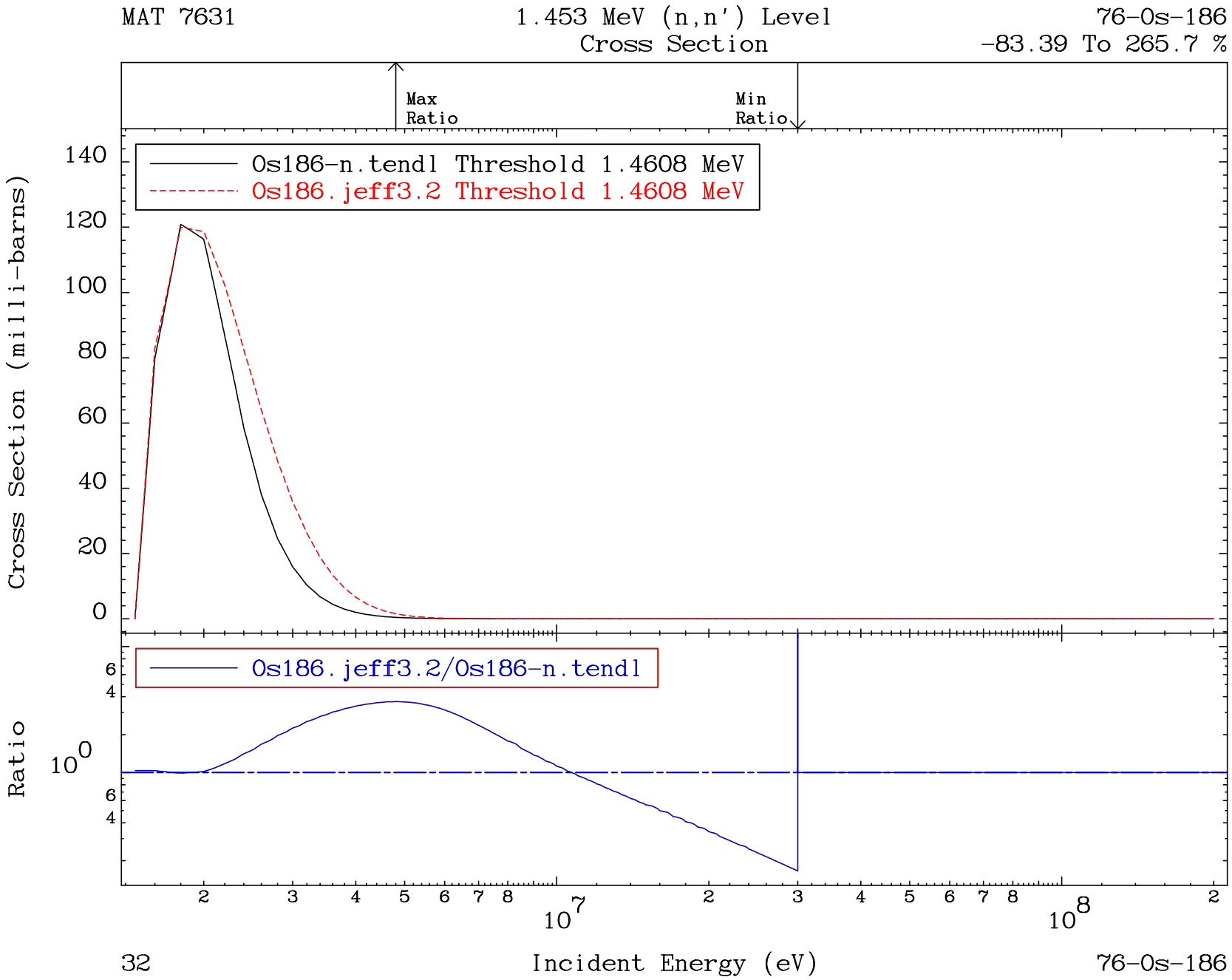

MAT 7631
1.070 MeV (n,n') Level
Cross Section
76-0s-186
-7.454 To 125.4 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 1.0763 MeV
0s186.jeff3.2 Threshold 1.0763 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
2.4
1.8
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
76-0s-186

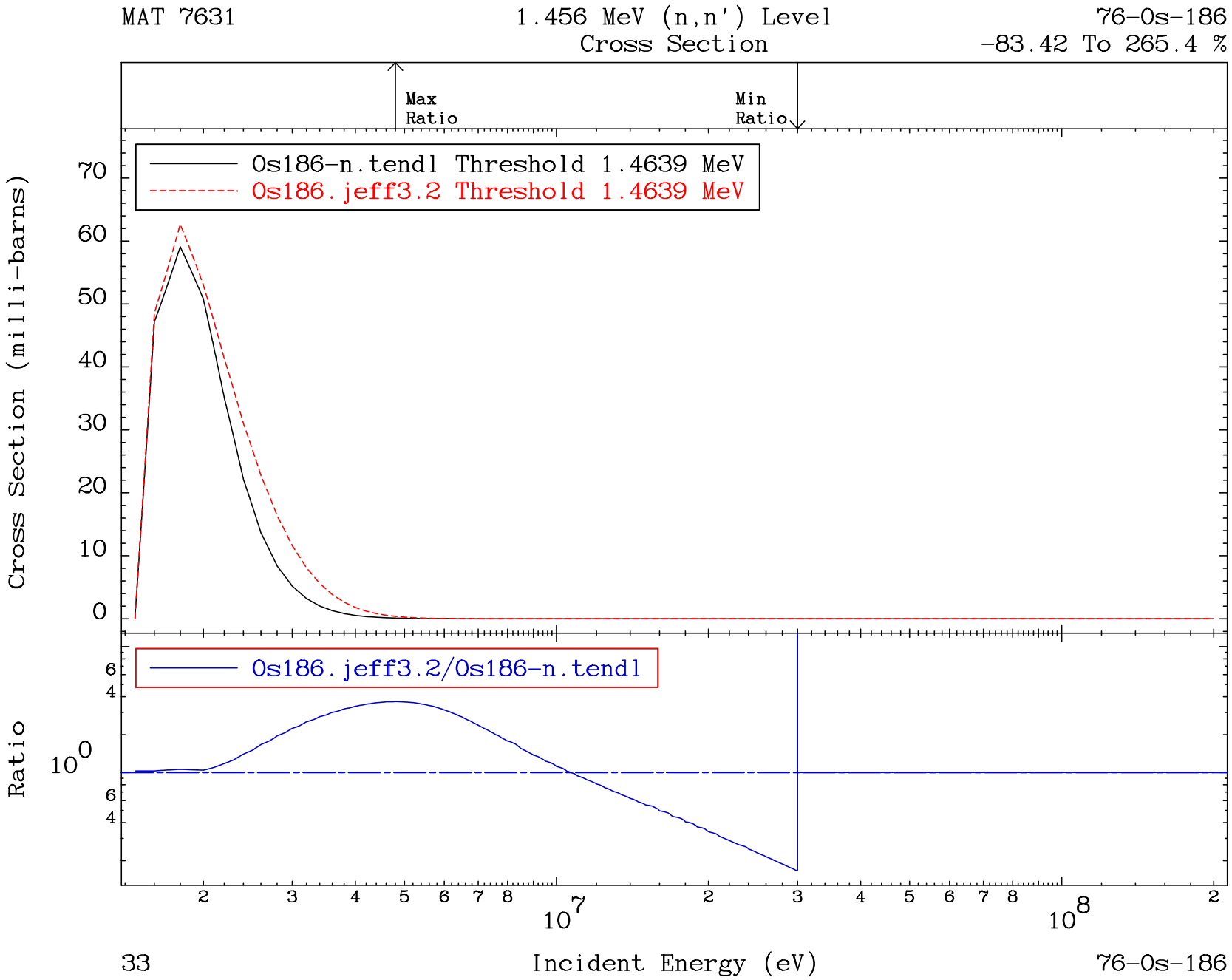

MAT 7631
1.208 MeV (n,n') Level
Cross Section
76-Os-186
-2.605 To 109.6 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.2150 MeV
Os186.jeff3.2 Threshold 1.2150 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.4
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
76-Os-186

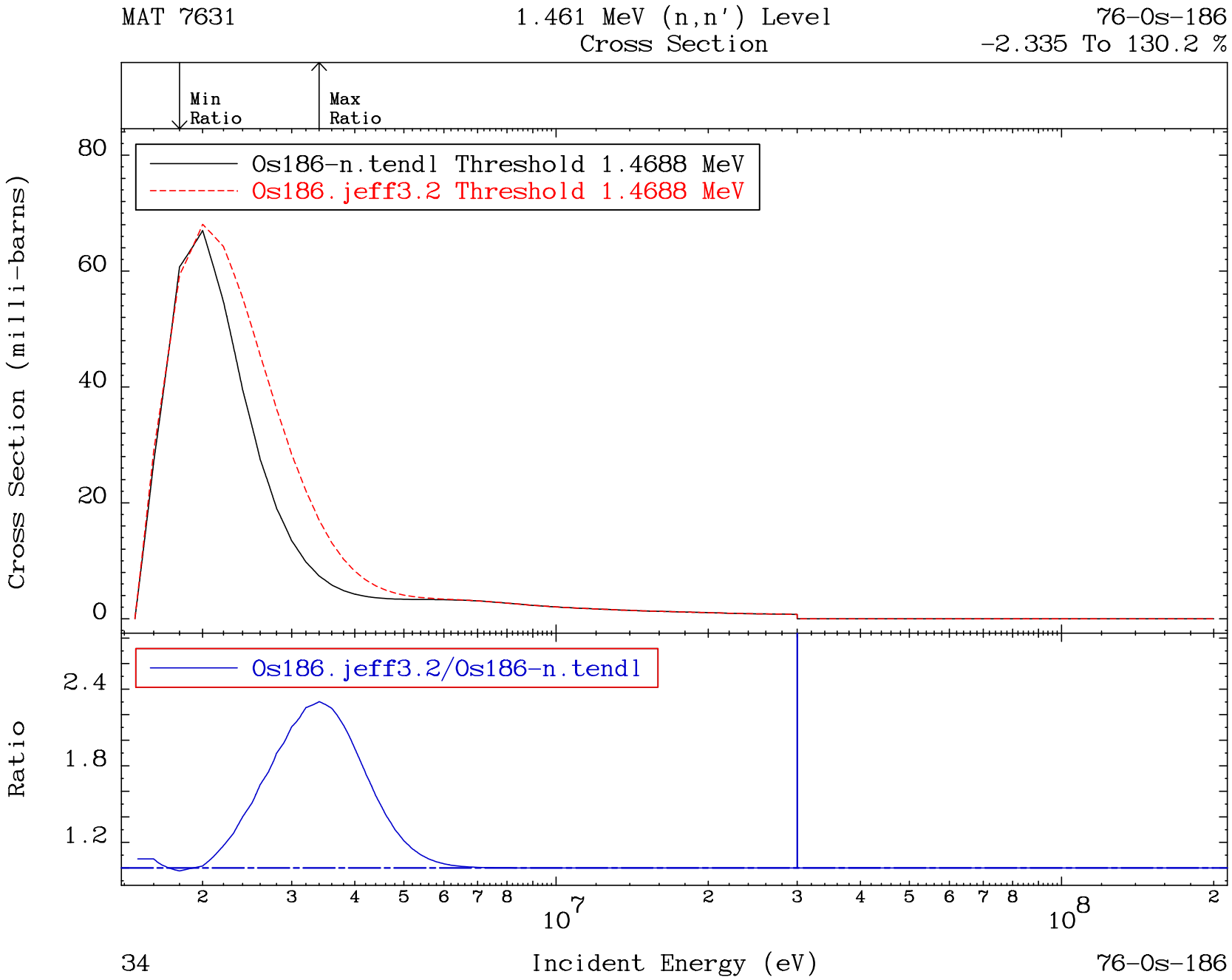

MAT 7631
1.276 MeV (n,n') Level
Cross Section
76-Os-186
-83.37 To 265.8 %
Max
Ratio
Min
Ratio
Os186-n.tendl Threshold 1.2825 MeV
Os186.jeff3.2 Threshold 1.2825 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
Os186.jeff3.2/Os186-n.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
76-Os-186

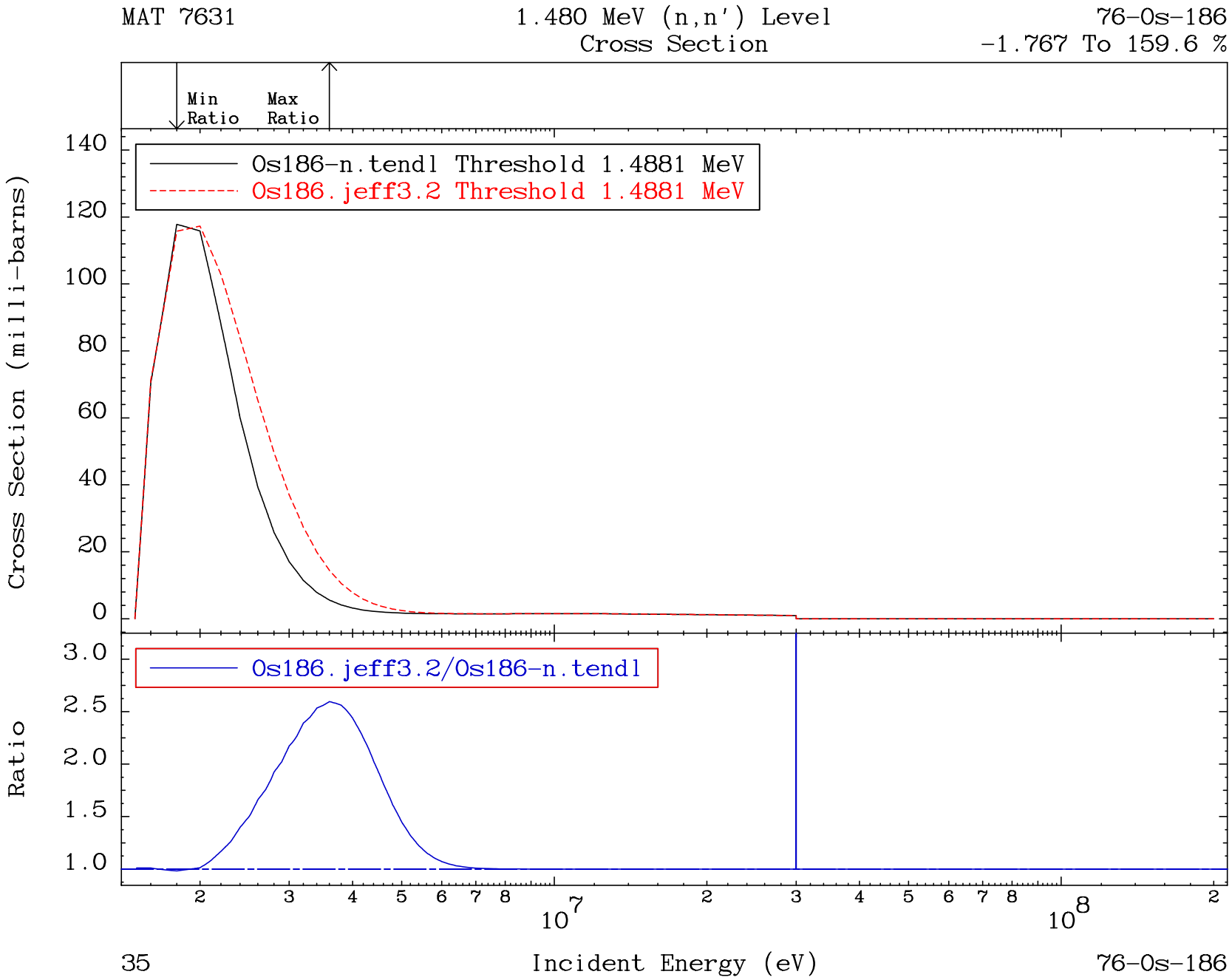

MAT 7631
1.352 MeV (n,n') Level
Cross Section
76-Os-186
-5.033 To 128.9 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.3593 MeV
Os186.jeff3.2 Threshold 1.3593 MeV
Cross Section (milli-barns)
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.4
1.8
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
76-Os-186

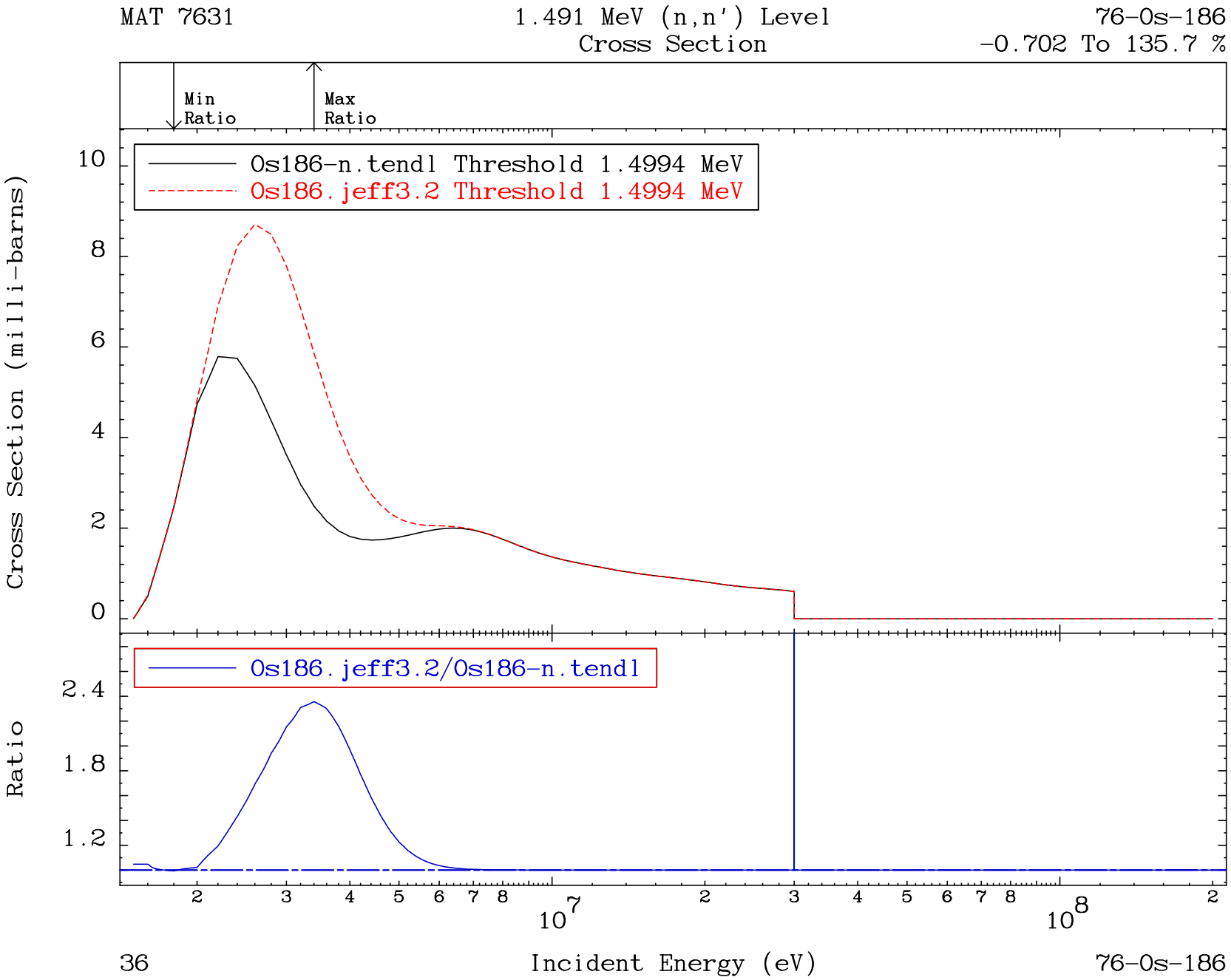

MAT 7631
1.421 MeV (n,n') Level
Cross Section
76-0s-186
-3.138 To 145.8 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.4287 MeV
Os186.jeff3.2 Threshold 1.4287 MeV
Cross Section (milli-barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
31
76-0s-186

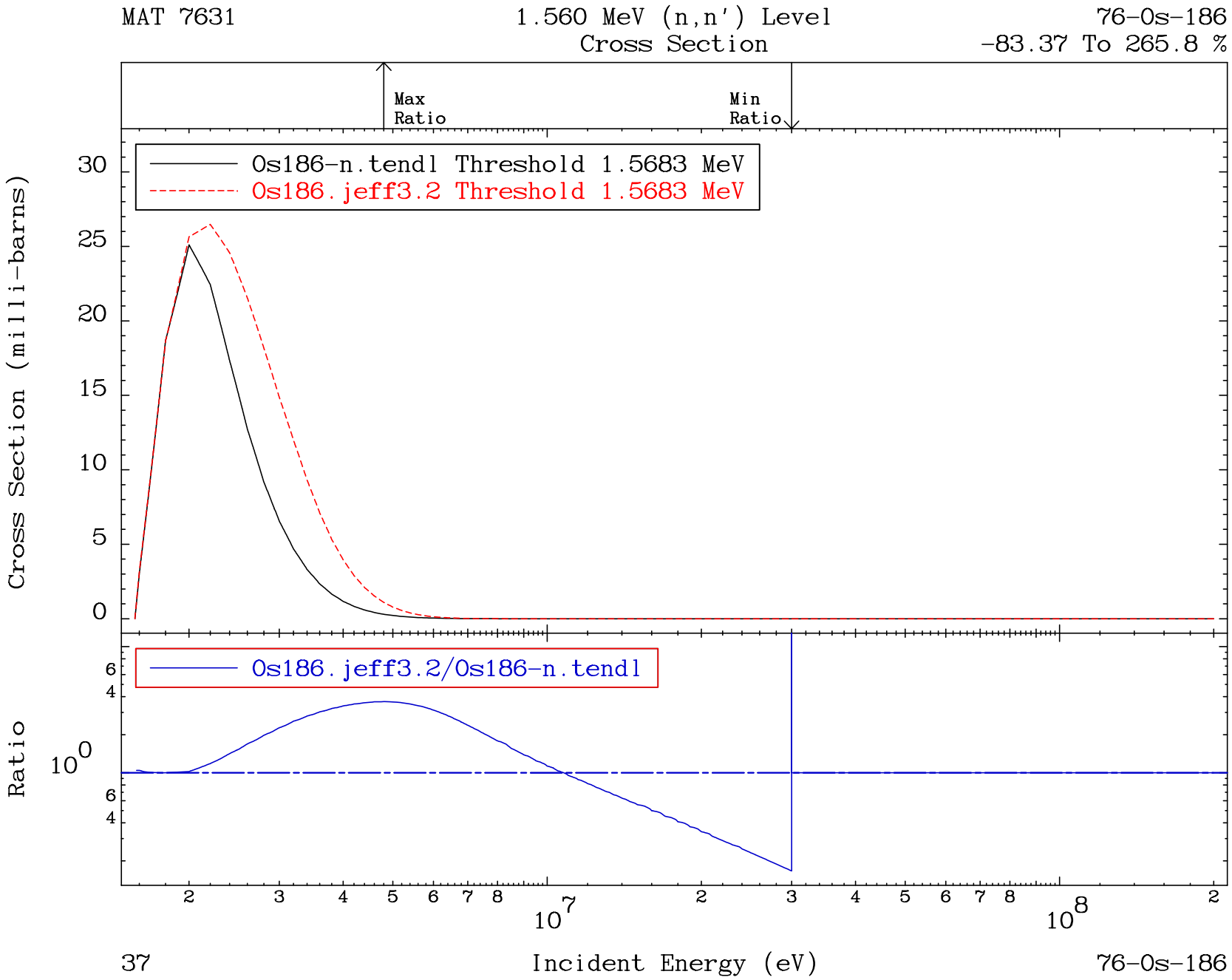

MAT 7631
1.453 MeV (n,n') Level
Cross Section
76-0s-186
-83.39 To 265.7 %
Max
Ratio
Min
Ratio
0s186-n.tendl Threshold 1.4608 MeV
0s186.jeff3.2 Threshold 1.4608 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
76-0s-186

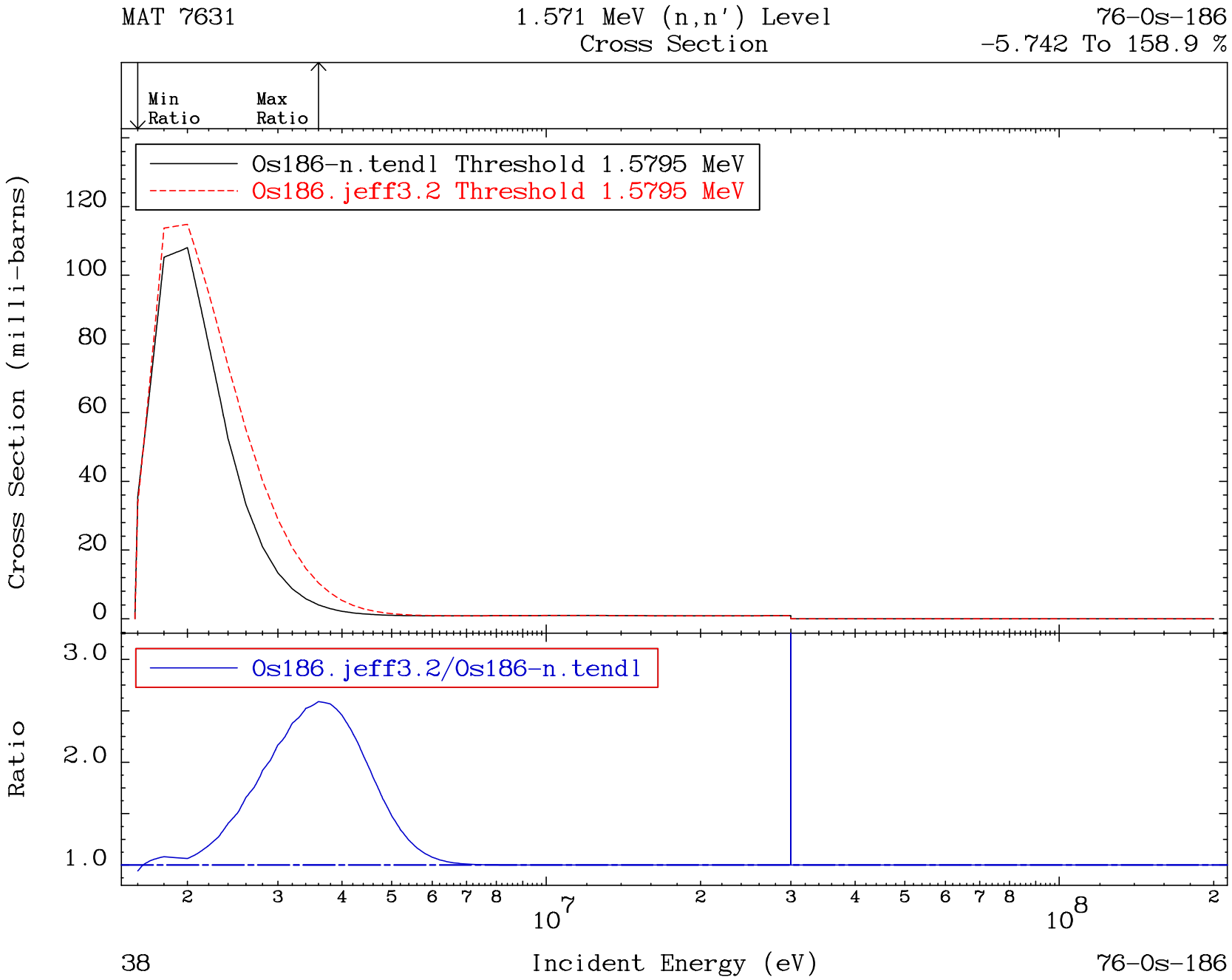

MAT 7631
1.456 MeV (n,n') Level
Cross Section
76-Os-186
-83.42 To 265.4 %
Max
Ratio
Min
Ratio
Os186-n.tendl Threshold 1.4639 MeV
Os186.jeff3.2 Threshold 1.4639 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
Os186.jeff3.2/Os186-n.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
76-Os-186

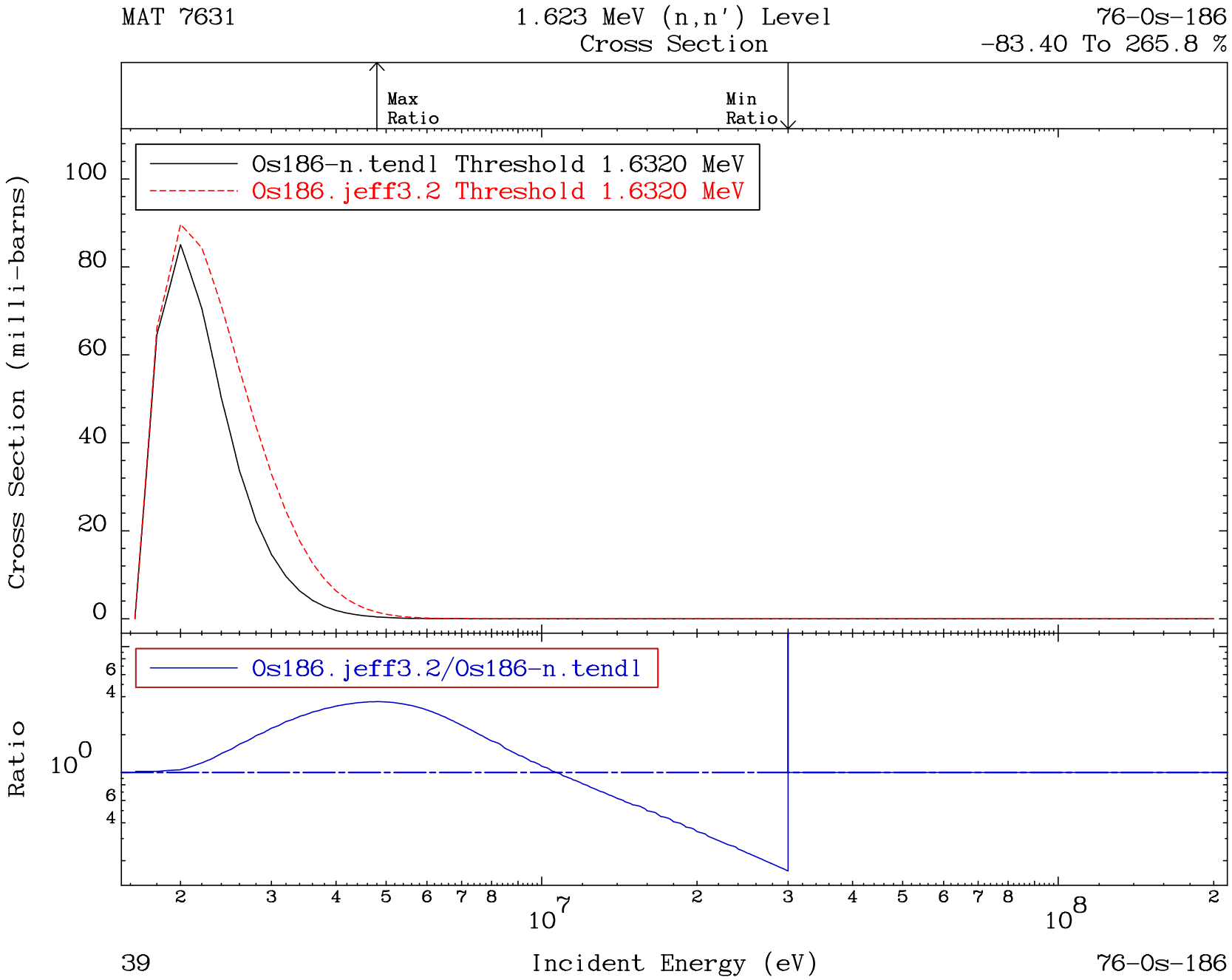

MAT 7631
1.461 MeV (n,n') Level
Cross Section
76-Os-186
-2.335 To 130.2 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.4688 MeV
Os186.jeff3.2 Threshold 1.4688 MeV
Cross Section (milli-barns)
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.4
1.8
1.2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
76-Os-186

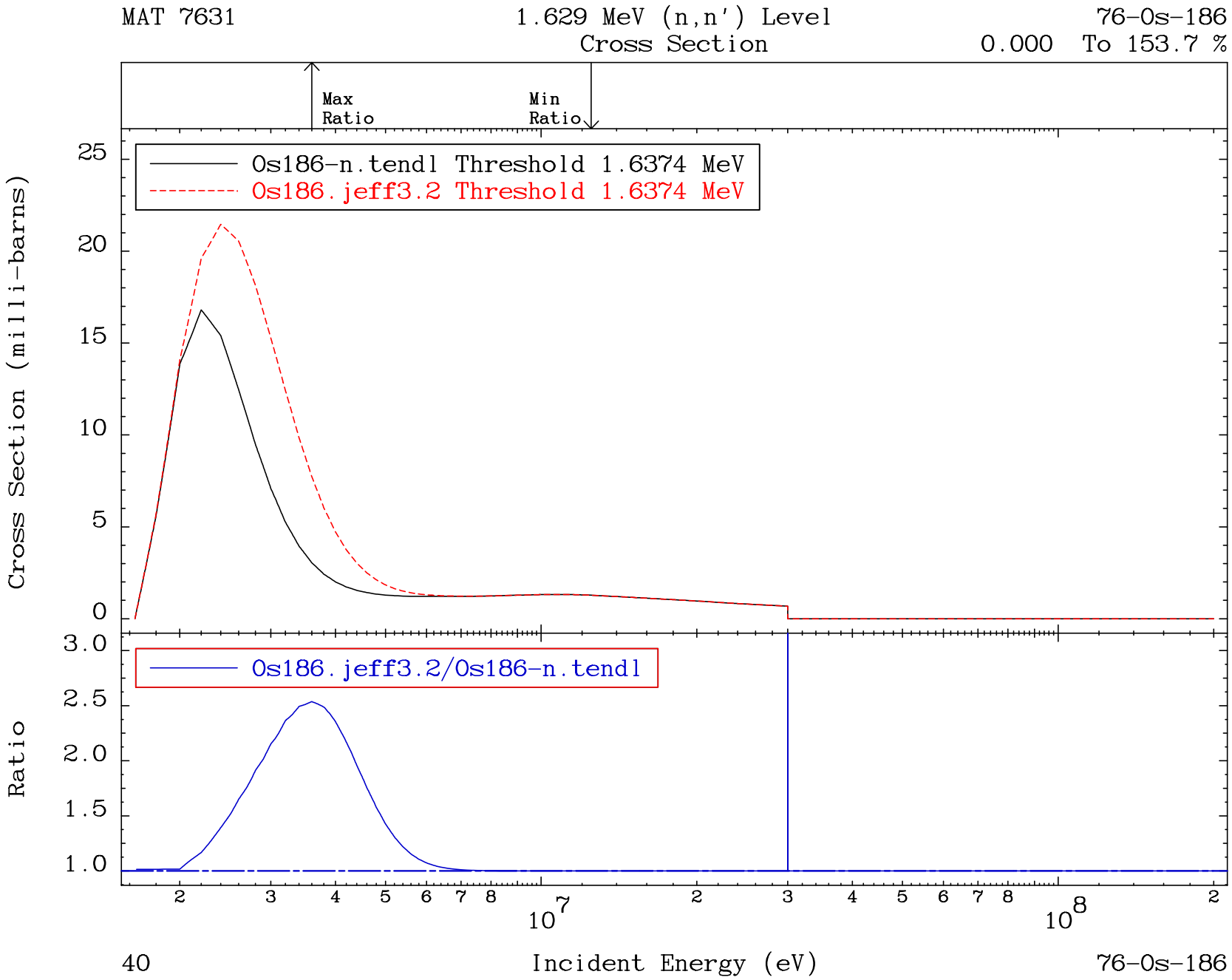

MAT 7631
1.480 MeV (n,n') Level
Cross Section
76-Os-186
-1.767 To 159.6 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.4881 MeV
Os186.jeff3.2 Threshold 1.4881 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
3.0
2.5
2.0
1.5
1.0
2
3
4
5
6
7
8
10^7
10^8
35
Incident Energy (eV)
76-Os-186

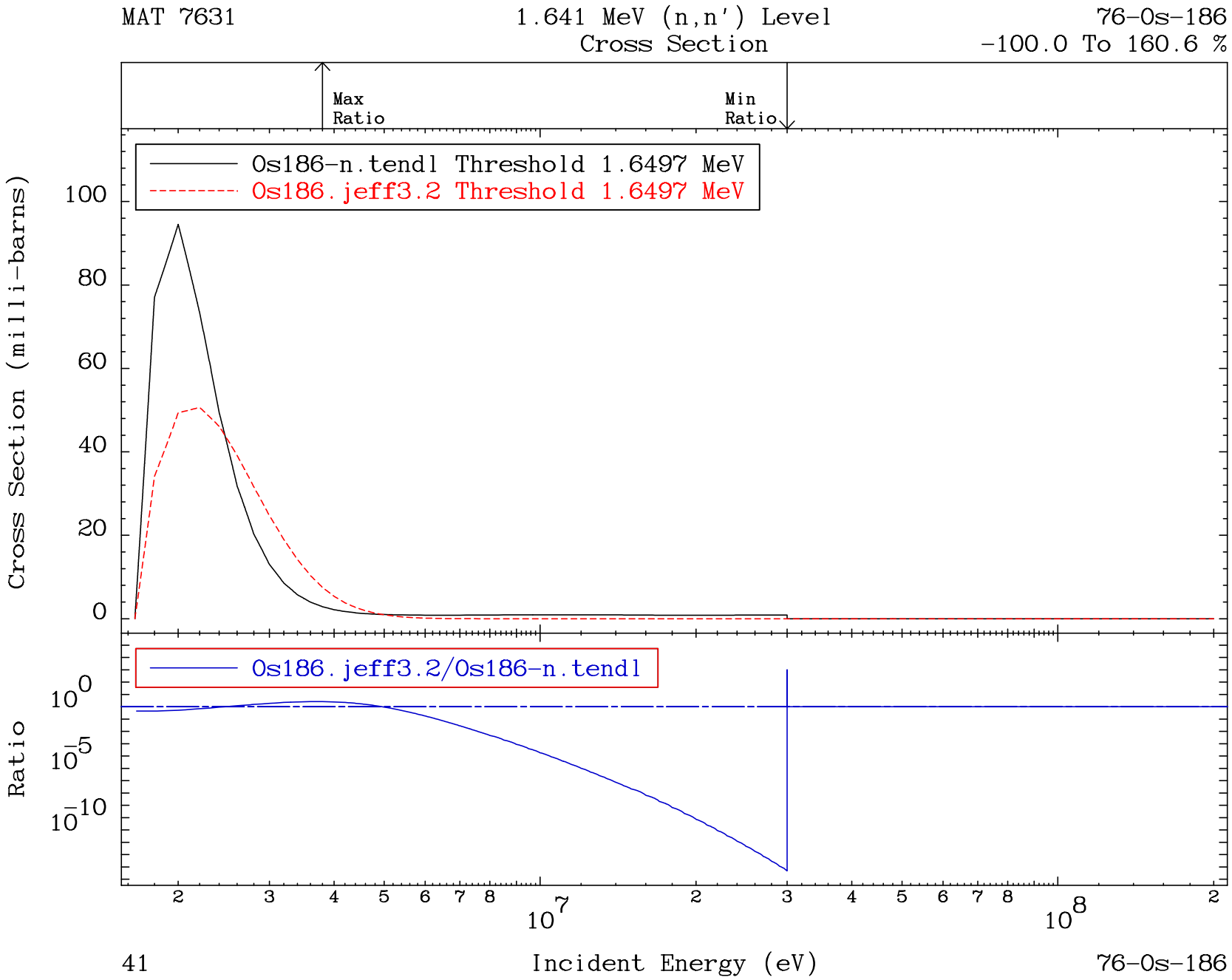

MAT 7631
1.491 MeV (n,n') Level
Cross Section
76-0s-186
-0.702 To 135.7 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 1.4994 MeV
0s186.jeff3.2 Threshold 1.4994 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.8
2.4
2
3
4
5
6
7
8
10^7
10^8
36
Incident Energy (eV)
76-0s-186

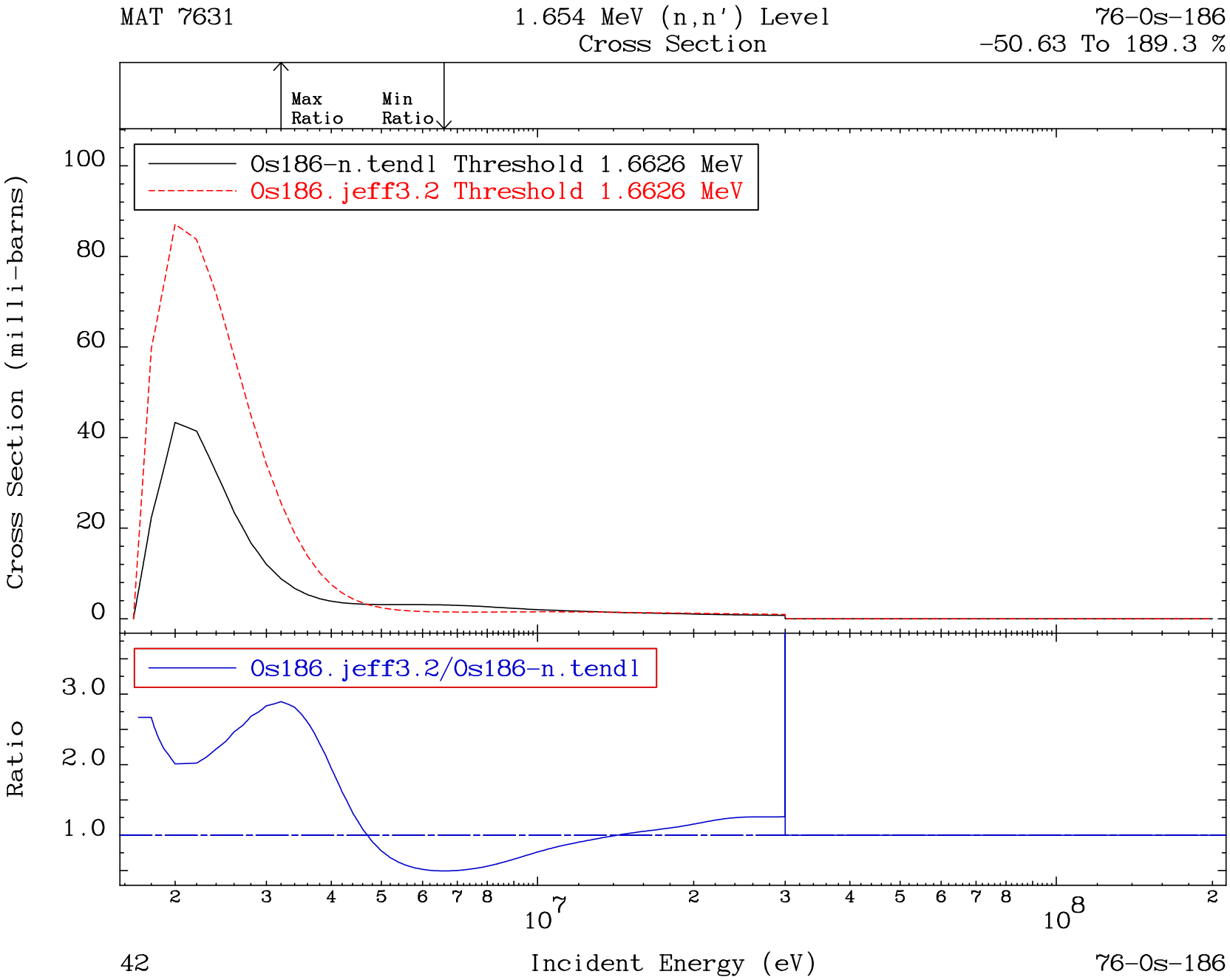

MAT 7631
1.560 MeV (n,n') Level
Cross Section
76-0s-186
-83.37 To 265.8 %
Max
Ratio
Min
Ratio
0s186-n.tendl Threshold 1.5683 MeV
0s186.jeff3.2 Threshold 1.5683 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
0s186.jeff3.2/0s186-n.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
76-0s-186

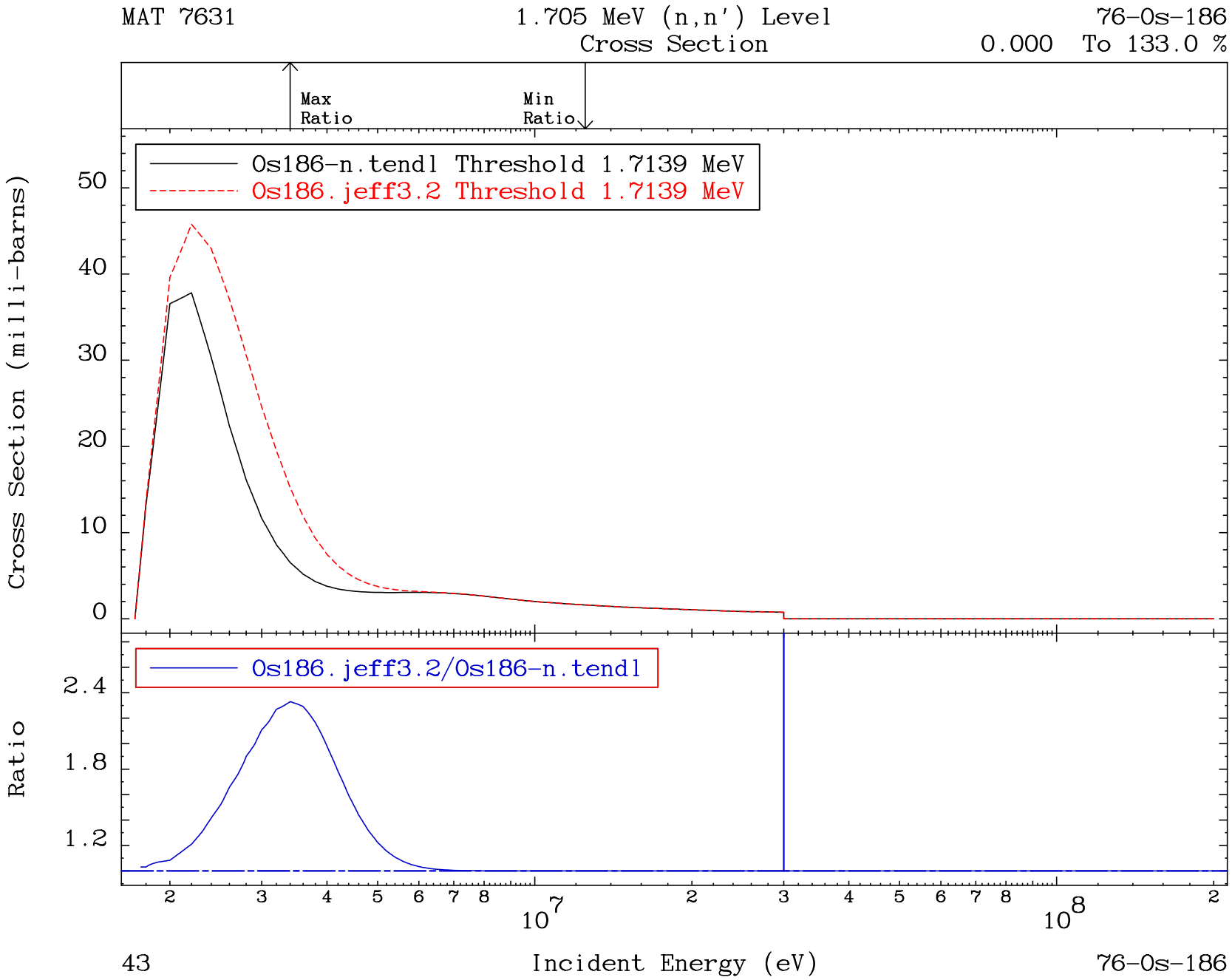

MAT 7631
1.571 MeV (n,n') Level
Cross Section
76-Os-186
-5.742 To 158.9 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.5795 MeV
Os186.jeff3.2 Threshold 1.5795 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
38
Incident Energy (eV)
76-Os-186

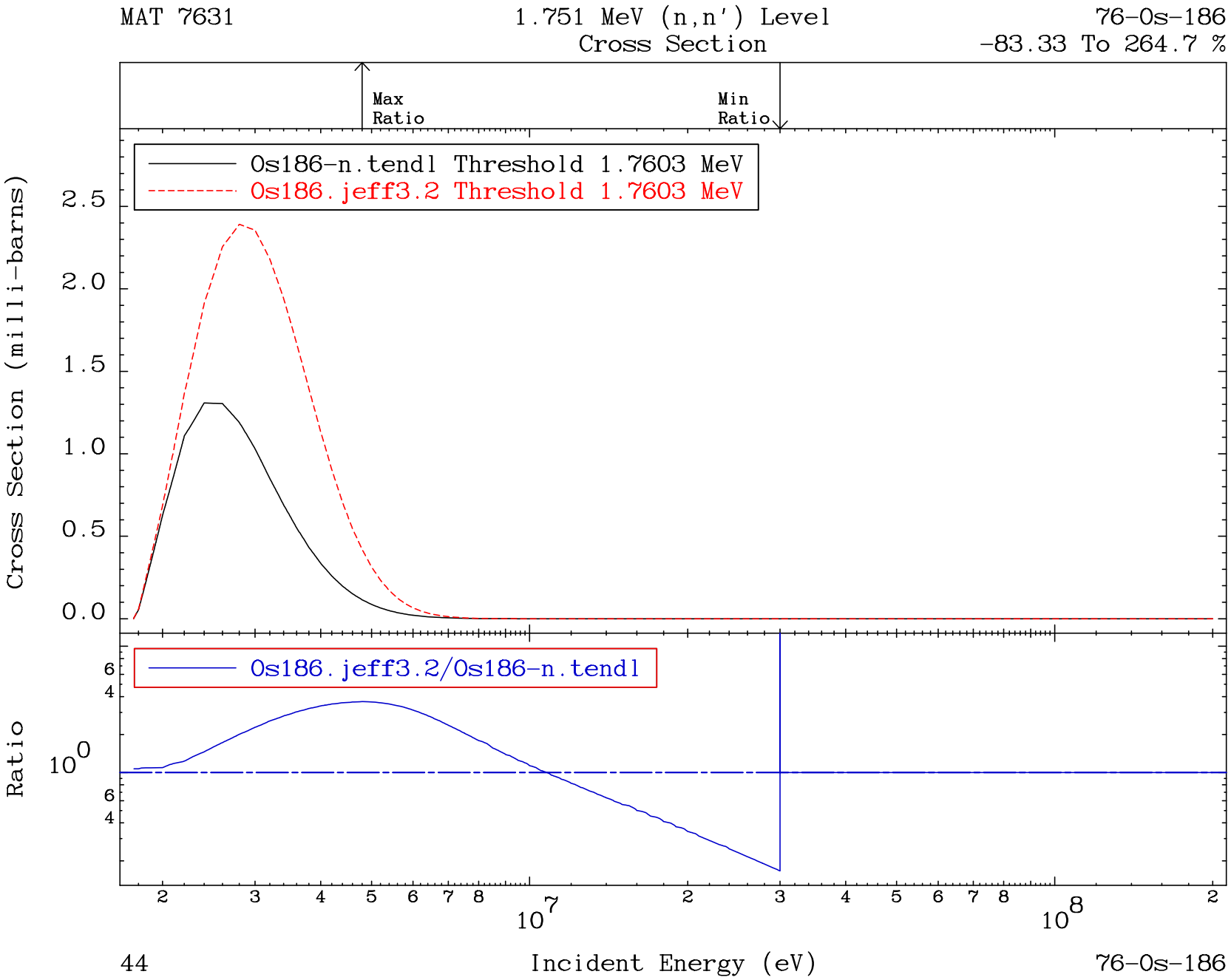

MAT 7631
1.623 MeV (n,n') Level
Cross Section
76-Os-186
-83.40 To 265.8 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 1.6320 MeV
Os186.jeff3.2 Threshold 1.6320 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
39
Incident Energy (eV)
76-Os-186

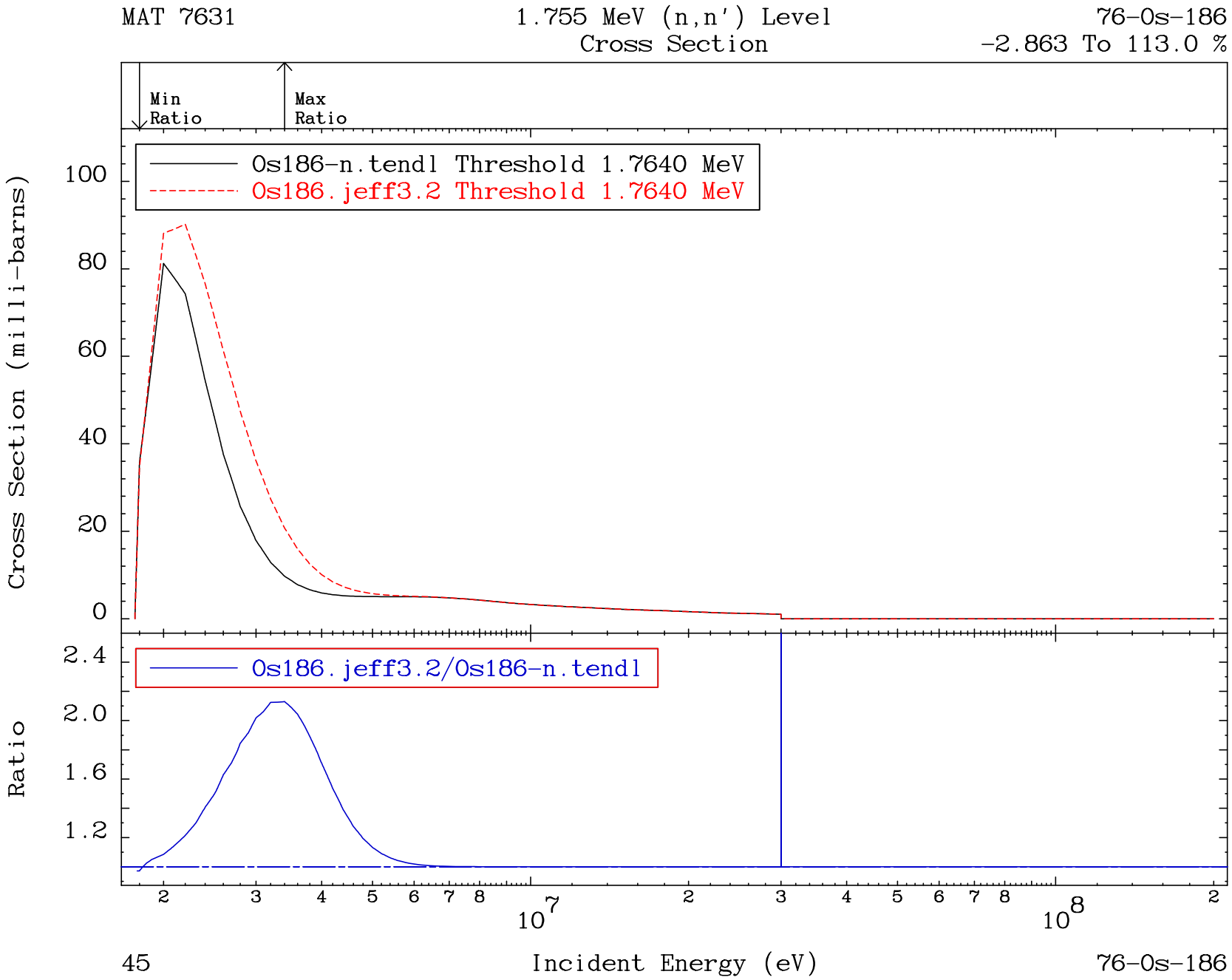

MAT 7631
1.629 MeV (n,n') Level
Cross Section
76-0s-186
0.000 To 153.7 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 1.6374 MeV
0s186.jeff3.2 Threshold 1.6374 MeV
Cross Section (milli-barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
40
76-0s-186

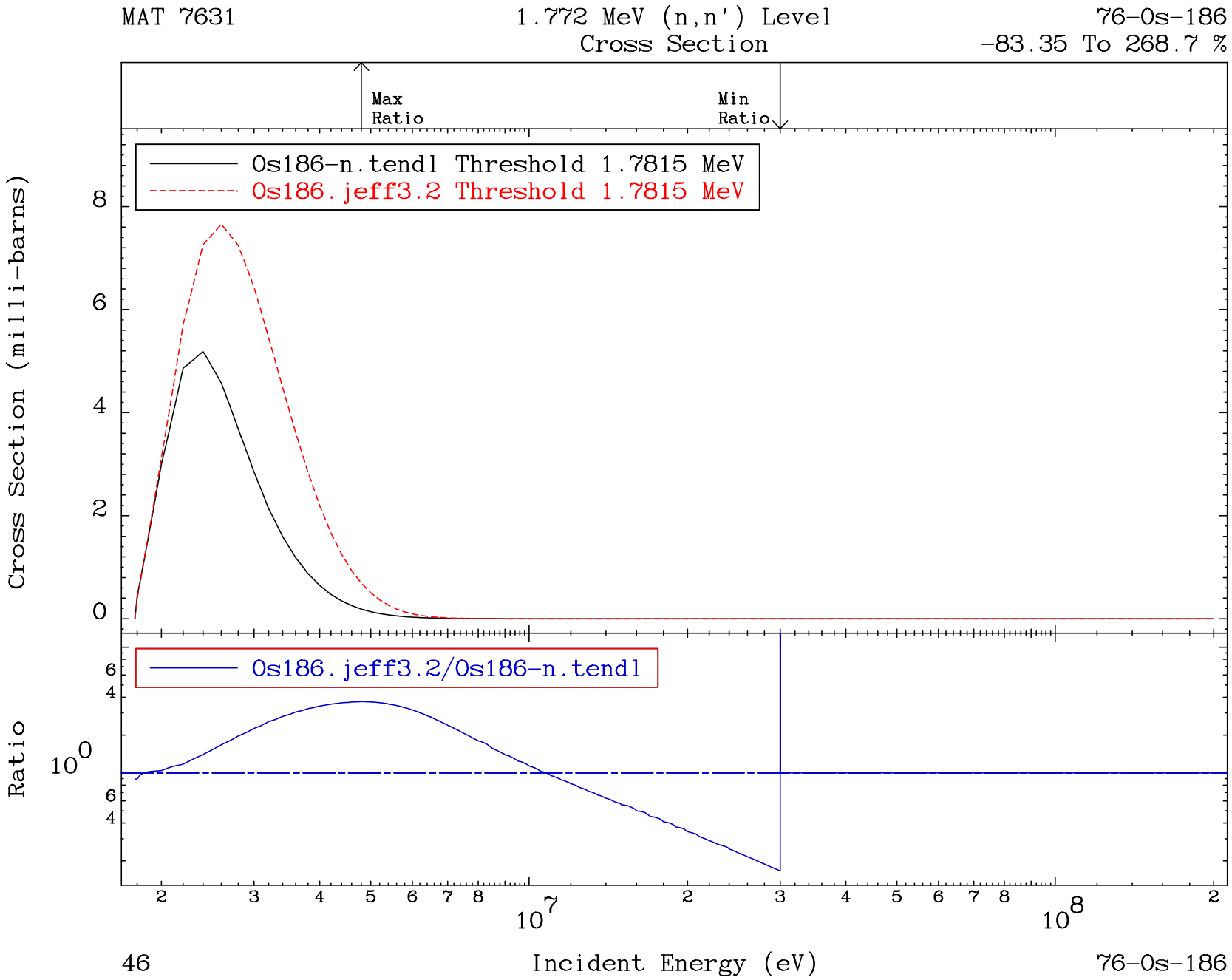

MAT 7631
1.641 MeV (n,n') Level
Cross Section
76-0s-186
-100.0 To 160.6 %
Max
Ratio
Min
Ratio
0s186-n.tendl Threshold 1.6497 MeV
0s186.jeff3.2 Threshold 1.6497 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
10^0
10^-5
10^-10
2
3
4
5
6
7
8
10^7
10^8
41
Incident Energy (eV)
76-0s-186

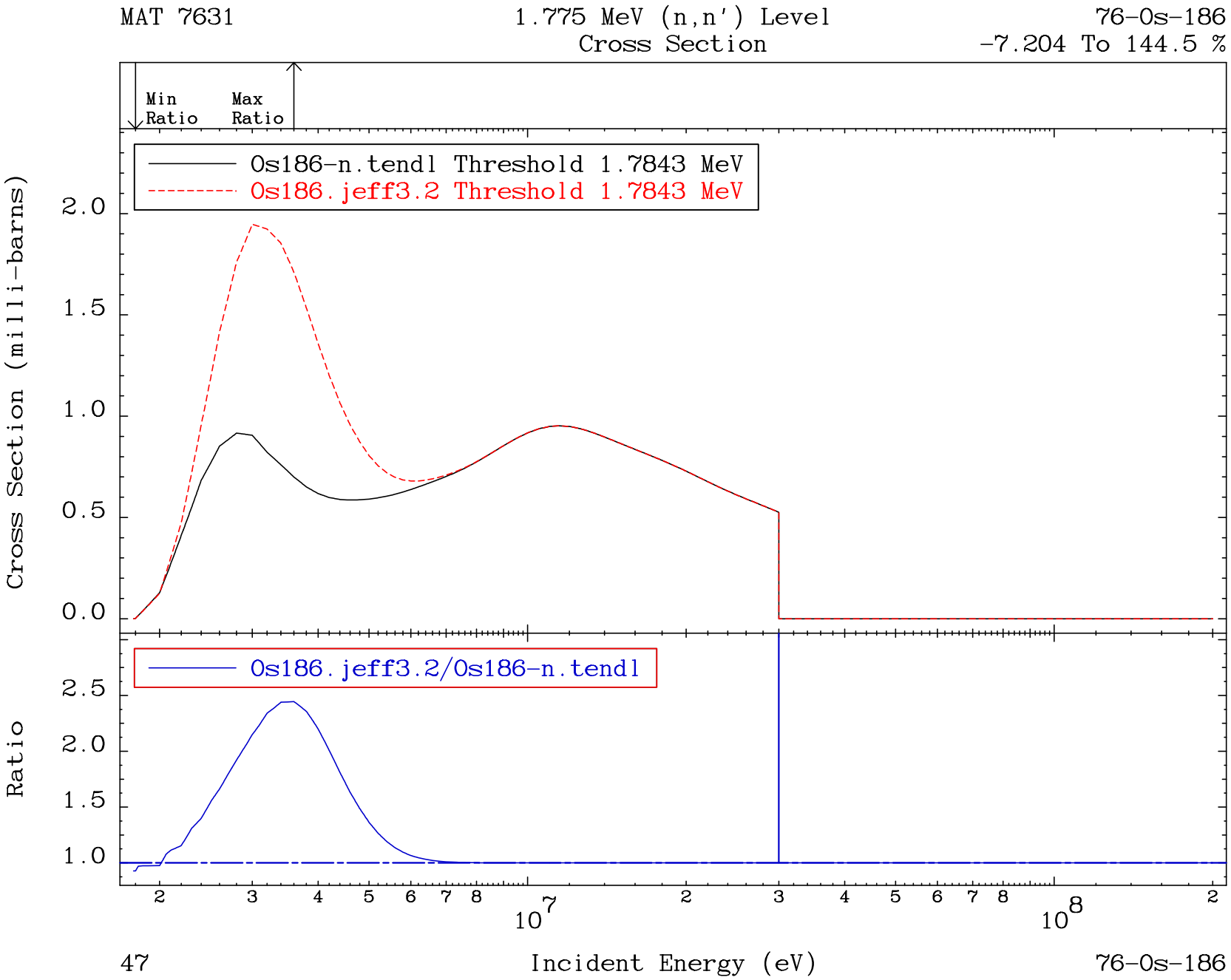

MAT 7631
1.654 MeV (n,n') Level
Cross Section
76-0s-186
-50.63 To 189.3 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 1.6626 MeV
0s186.jeff3.2 Threshold 1.6626 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
3.0
2.0
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
76-0s-186

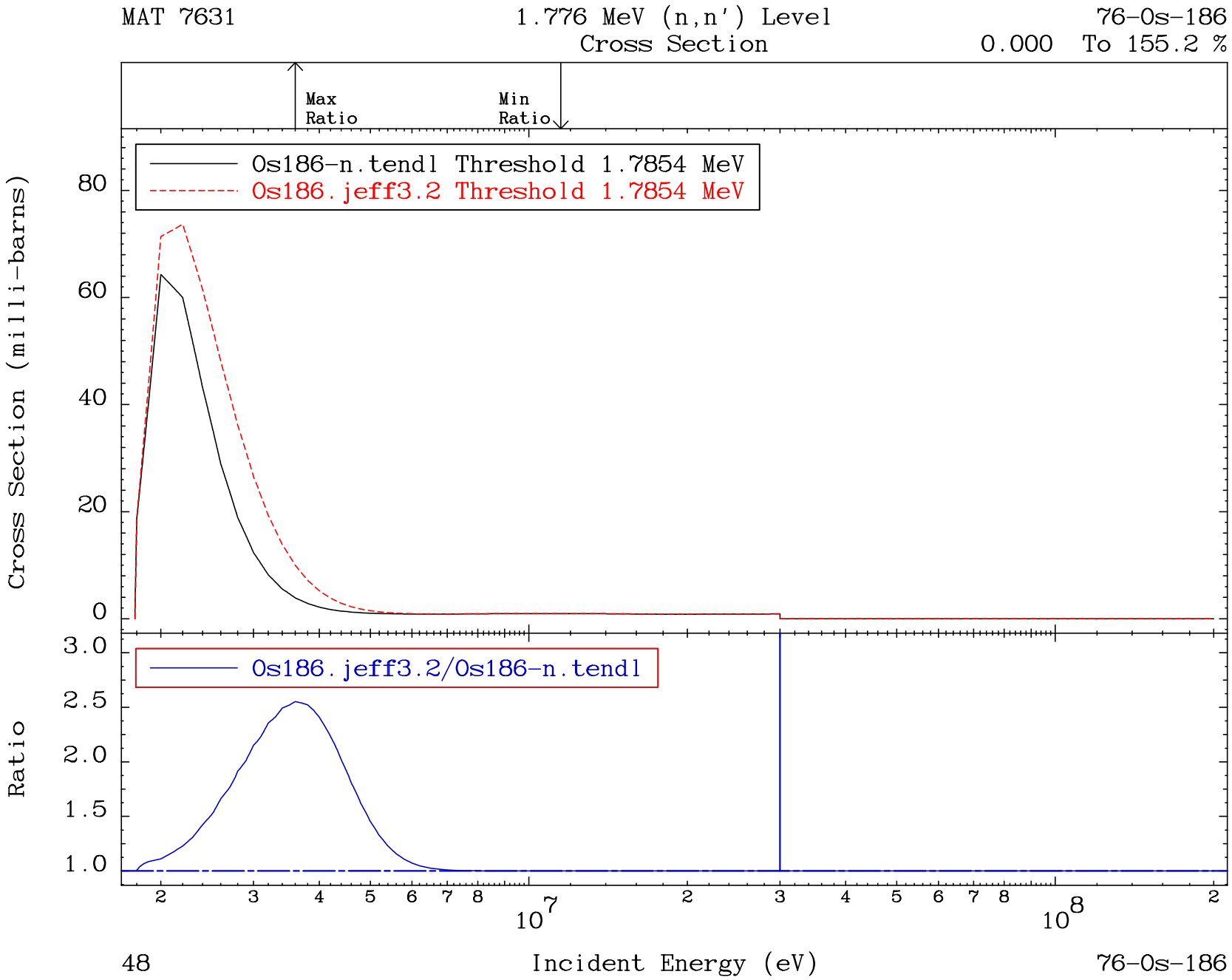

MAT 7631
1.705 MeV (n,n') Level
Cross Section
76-0s-186
0.000 To 133.0 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 1.7139 MeV
0s186.jeff3.2 Threshold 1.7139 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.8
2.4
2
3
4
5
6
7
8
10^7
10^8
43
Incident Energy (eV)
76-0s-186

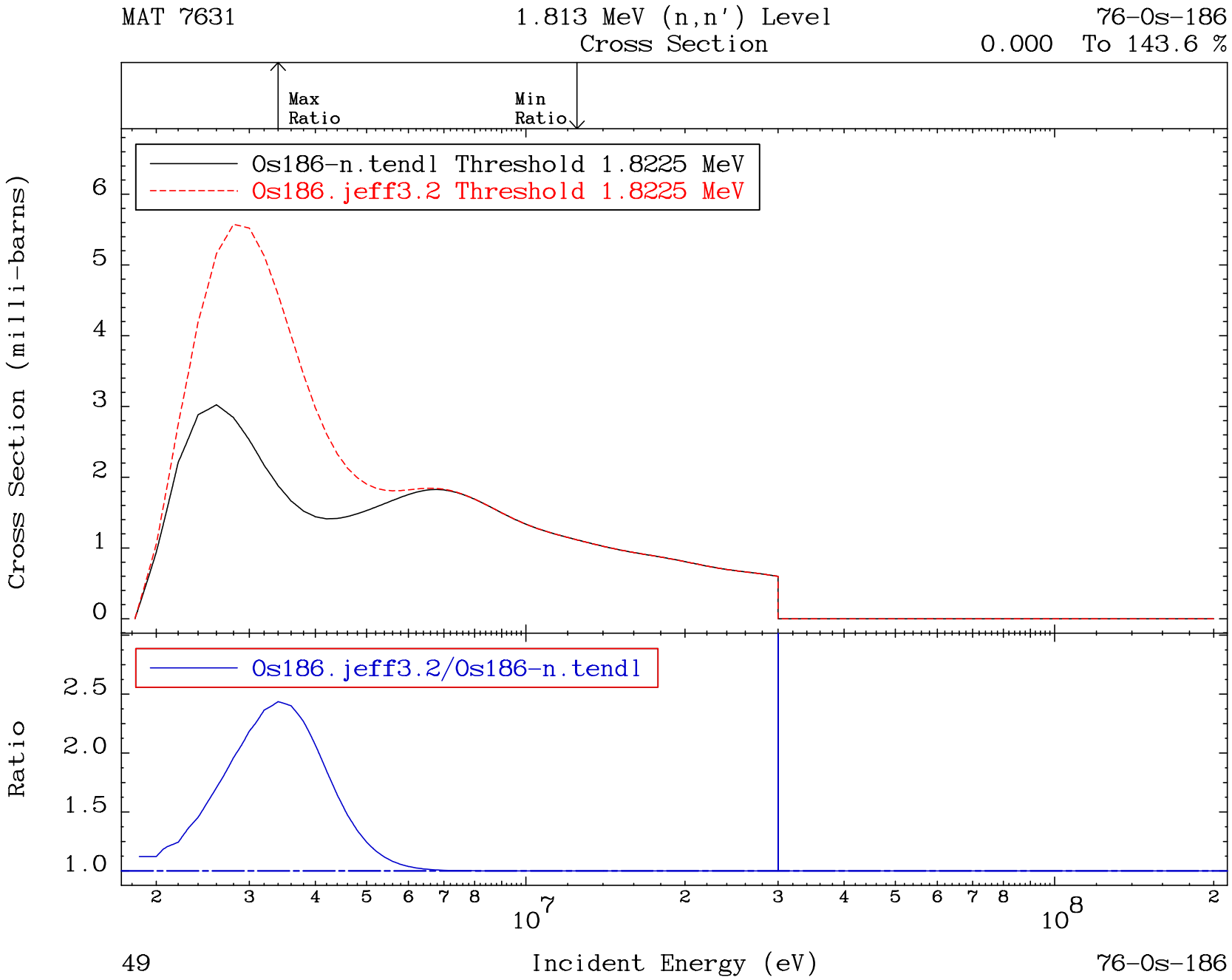

MAT 7631
1.751 MeV (n,n') Level
Cross Section
76-Os-186
-83.33 To 264.7 %
Max
Ratio
Min
Ratio
Os186-n.tendl Threshold 1.7603 MeV
Os186.jeff3.2 Threshold 1.7603 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
44
Incident Energy (eV)
76-Os-186

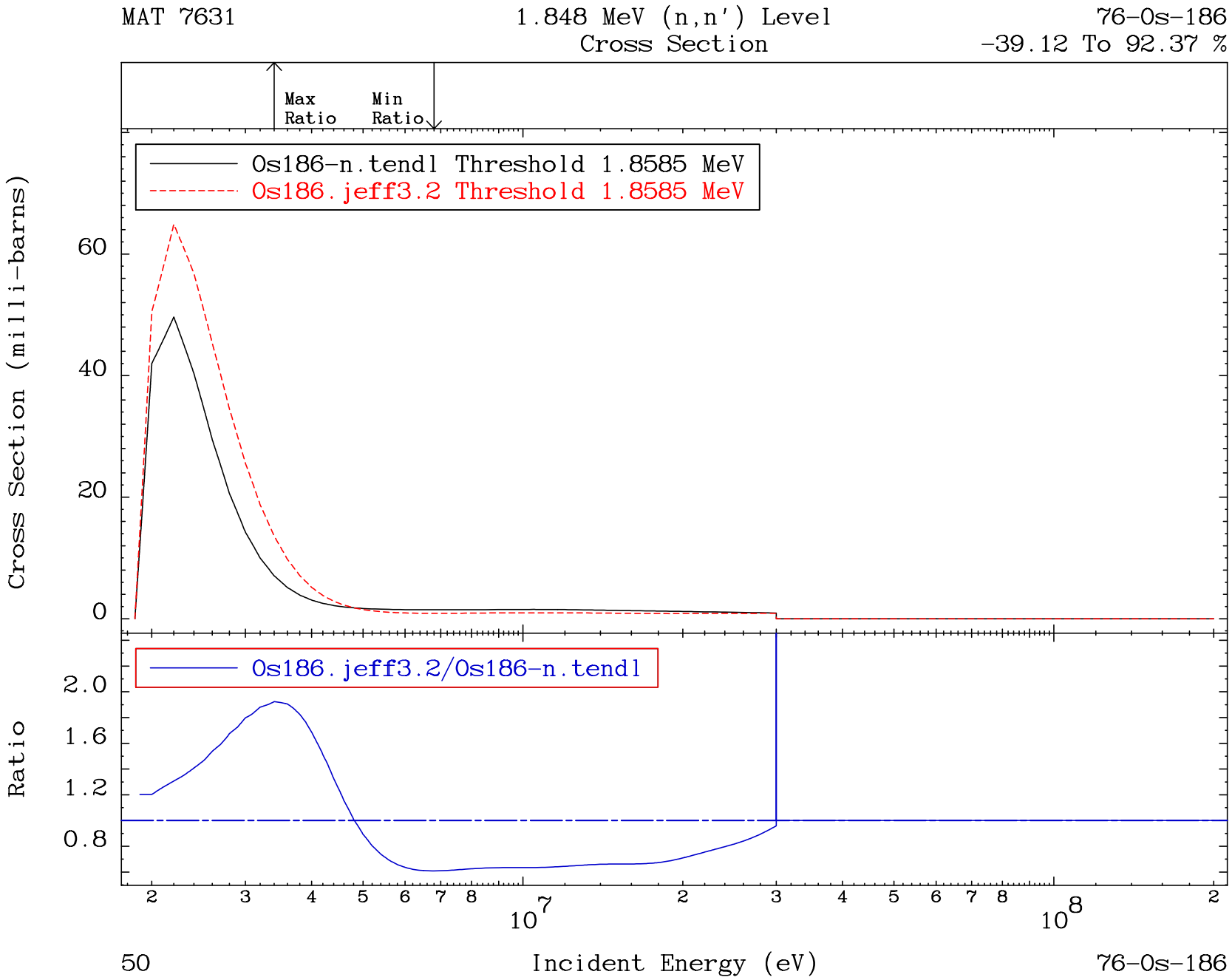

MAT 7631
1.755 MeV (n,n') Level
Cross Section
76-Os-186
-2.863 To 113.0 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.7640 MeV
Os186.jeff3.2 Threshold 1.7640 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.4
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
76-Os-186

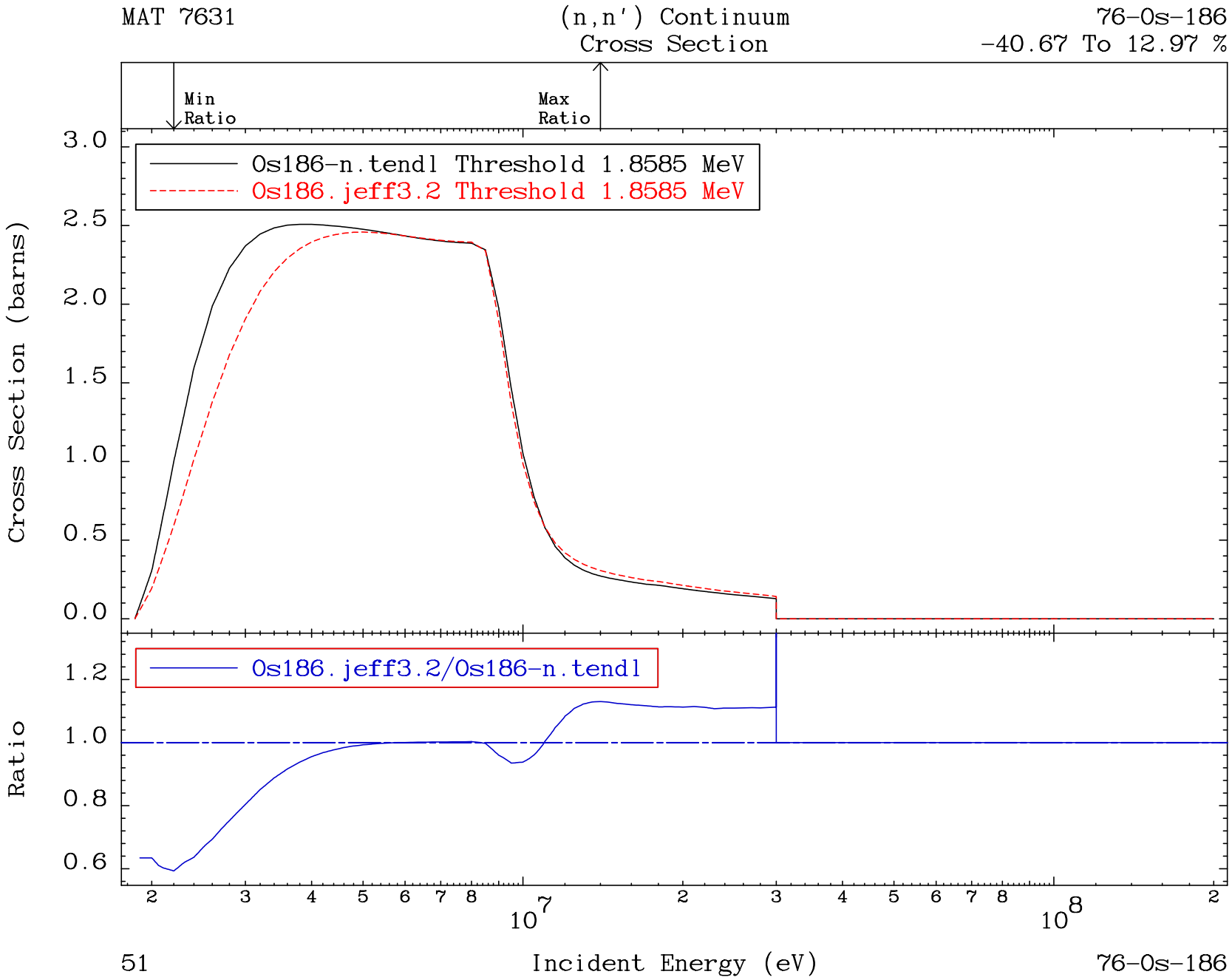

MAT 7631
1.772 MeV (n,n') Level
Cross Section
76-Os-186
-83.35 To 268.7 %
Max
Ratio
Min
Ratio
Os186-n.tendl Threshold 1.7815 MeV
Os186.jeff3.2 Threshold 1.7815 MeV
Cross Section (milli-barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
46
76-Os-186

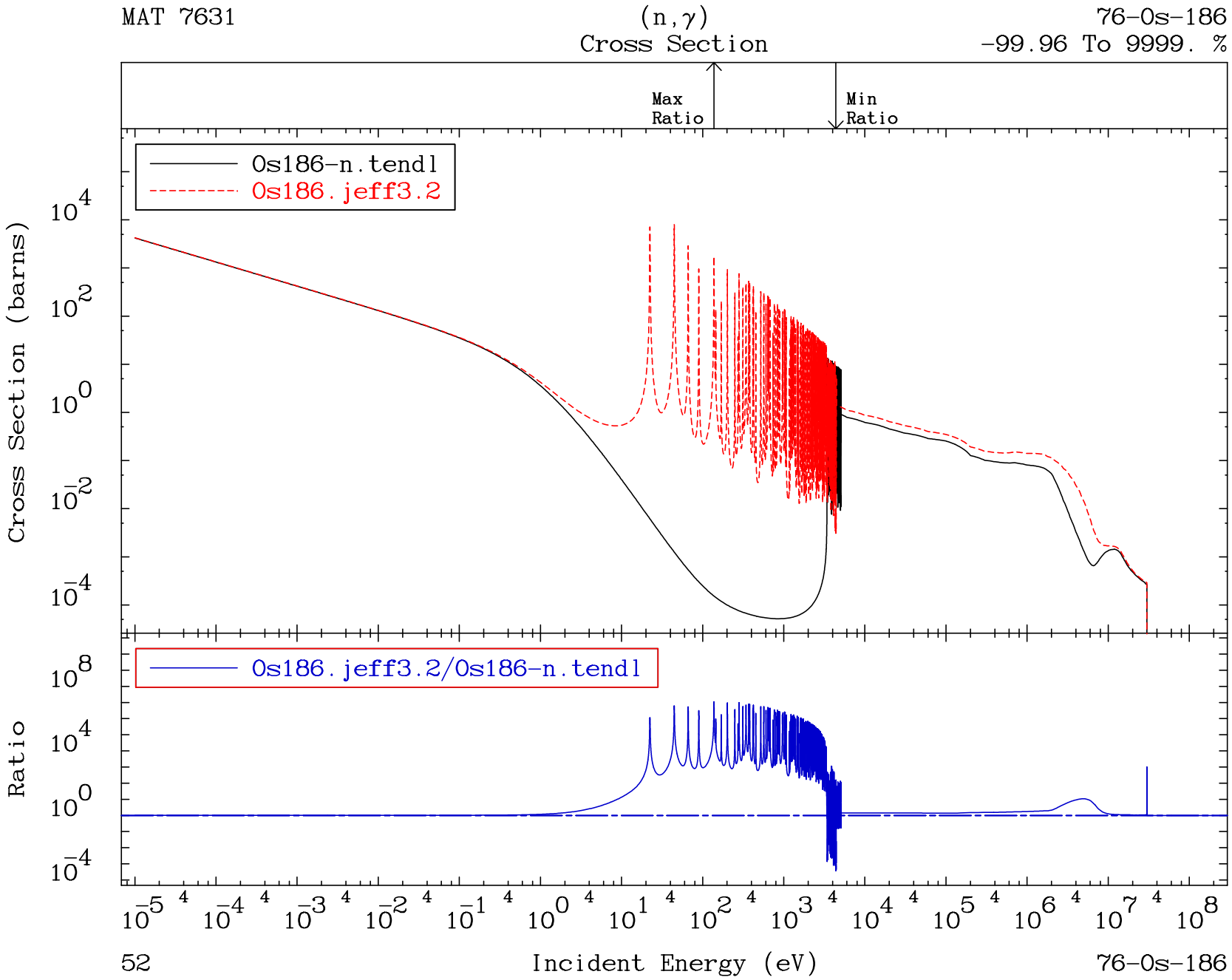

MAT 7631
1.775 MeV (n,n') Level
Cross Section
76-0s-186
-7.204 To 144.5 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 1.7843 MeV
0s186.jeff3.2 Threshold 1.7843 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
0s186.jeff3.2/0s186-n.tendl
Ratio
2.5
2.0
1.5
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
76-0s-186

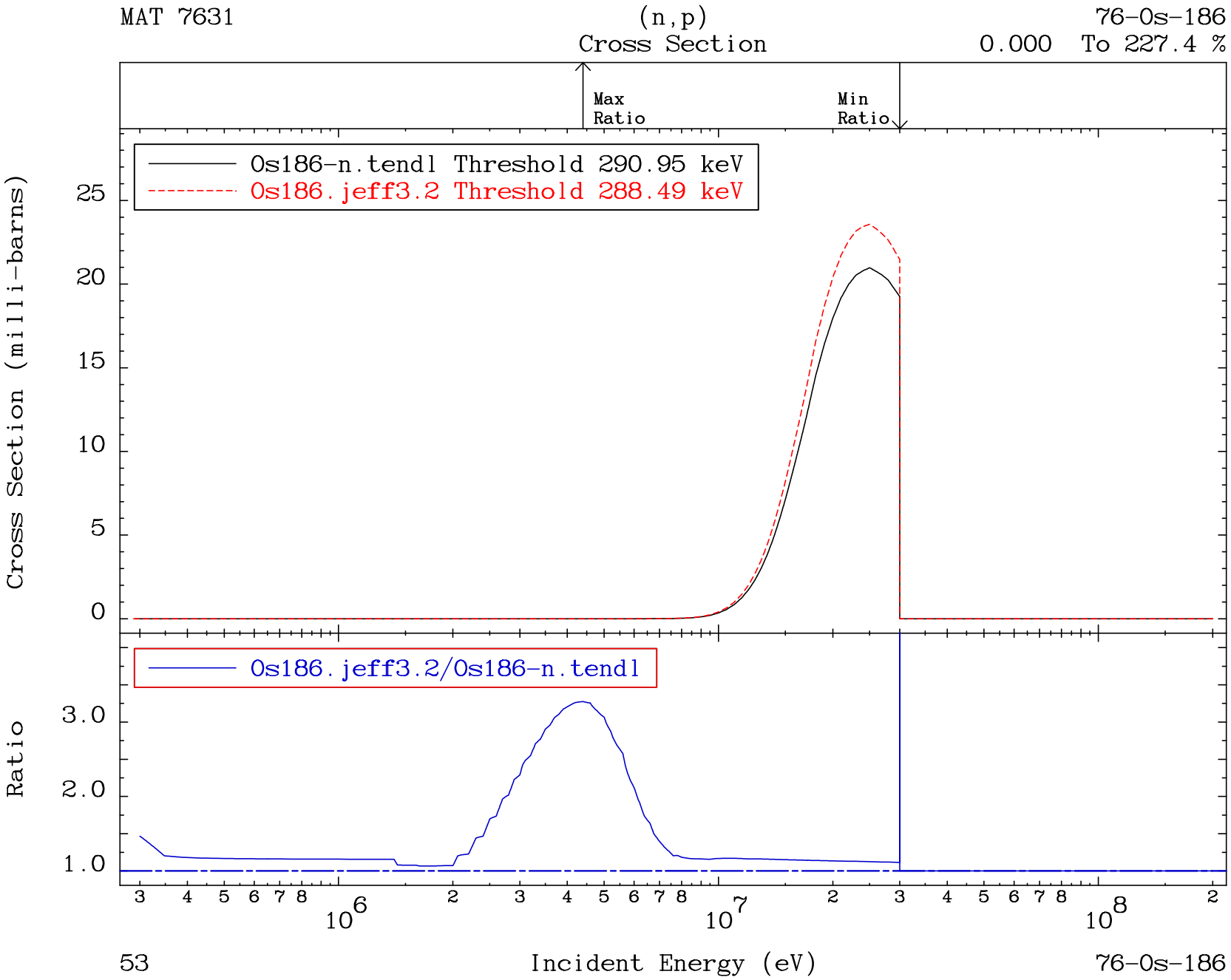

MAT 7631
1.776 MeV (n,n') Level
Cross Section
76-Os-186
0.000 To 155.2 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 1.7854 MeV
Os186.jeff3.2 Threshold 1.7854 MeV
Cross Section (milli-barns)
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
3.0
2.5
2.0
1.5
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
76-Os-186

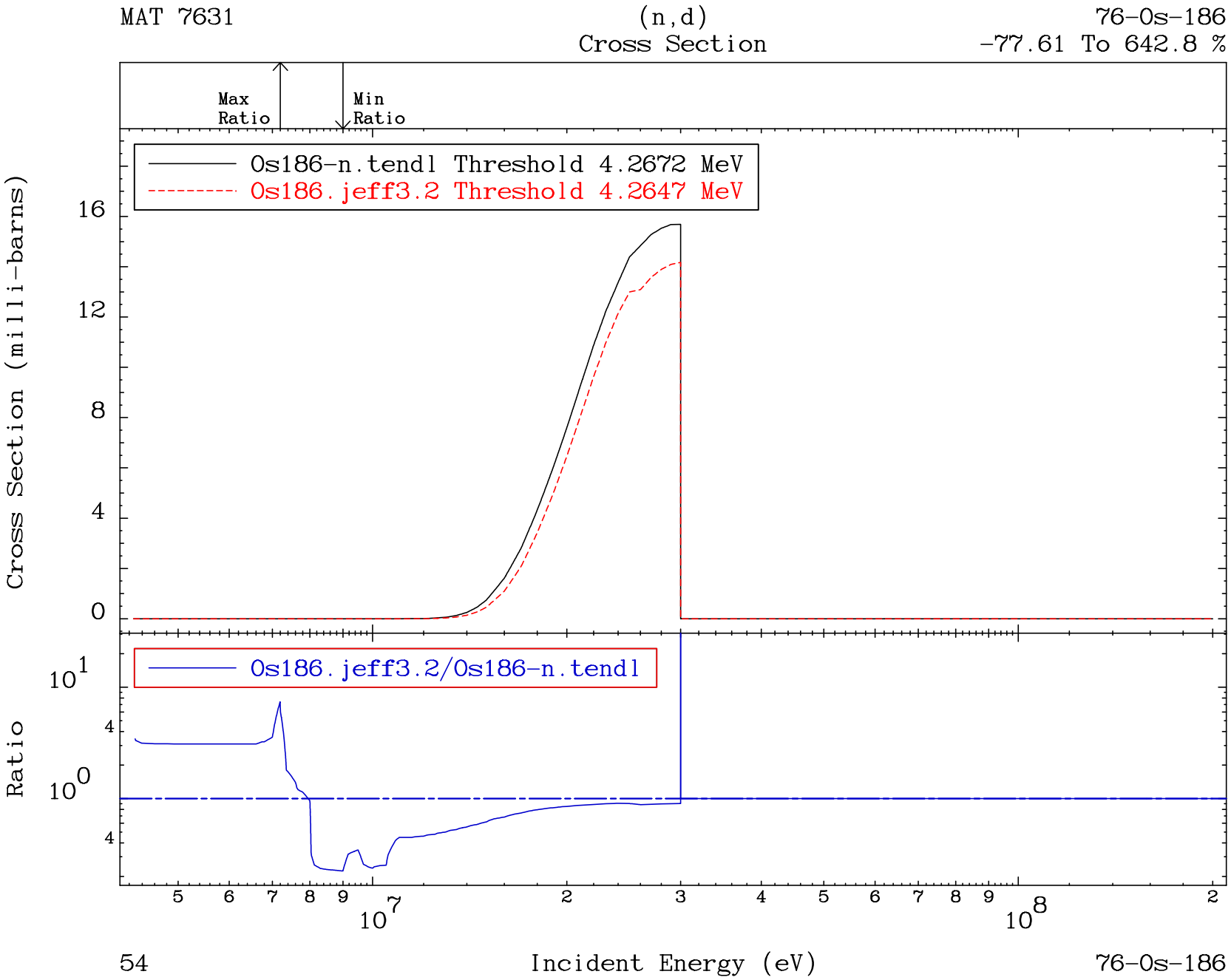

MAT 7631
1.813 MeV (n,n') Level
Cross Section
76-0s-186
0.000 To 143.6 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 1.8225 MeV
0s186.jeff3.2 Threshold 1.8225 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
1.5
2.0
2.5
2
3
4
5
6
7
8
10^7
10^8
49
Incident Energy (eV)
76-0s-186

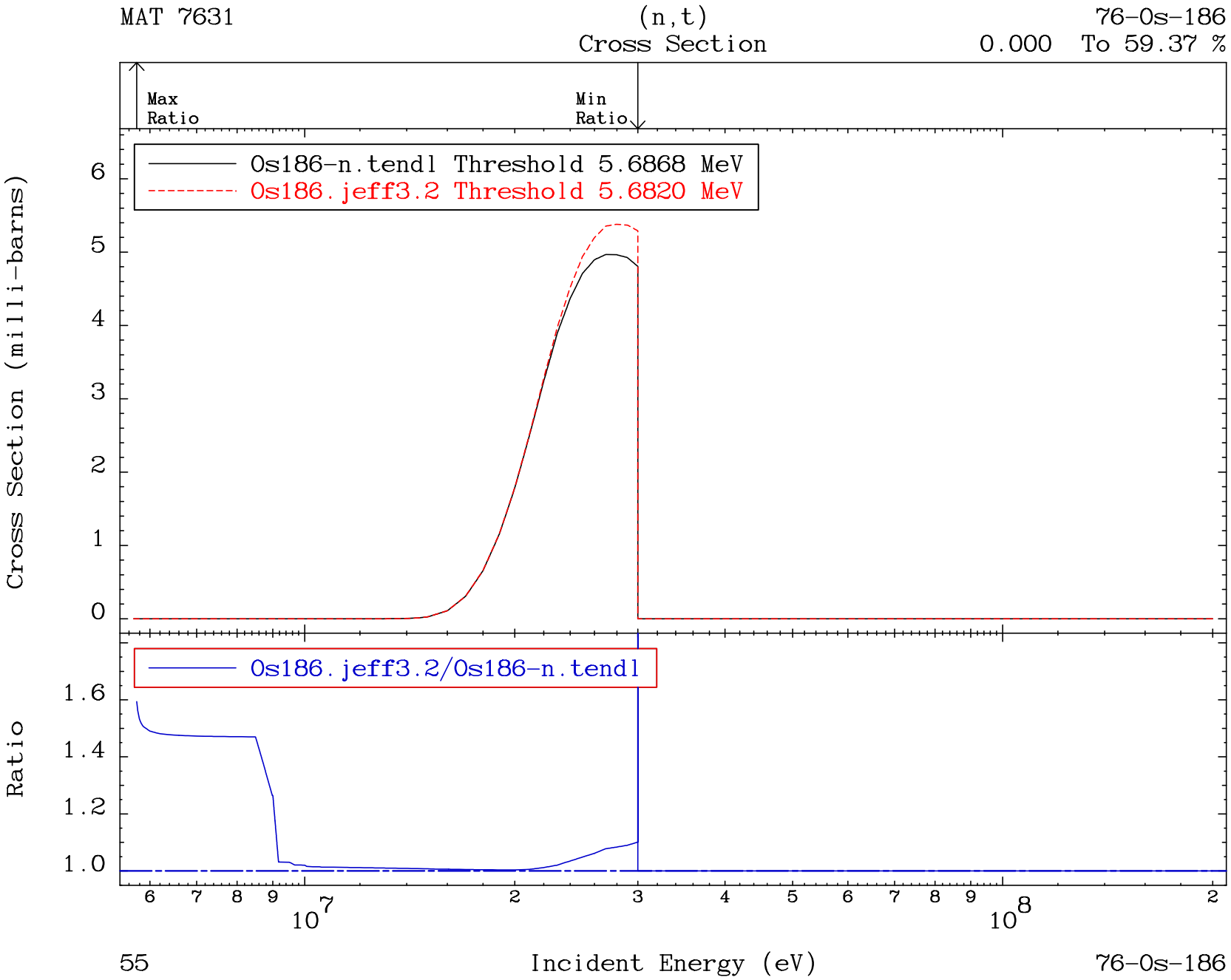

MAT 7631
1.848 MeV (n,n') Level
Cross Section
76-0s-186
-39.12 To 92.37 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 1.8585 MeV
0s186.jeff3.2 Threshold 1.8585 MeV
Cross Section (milli-barns)
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
50
Incident Energy (eV)
76-0s-186

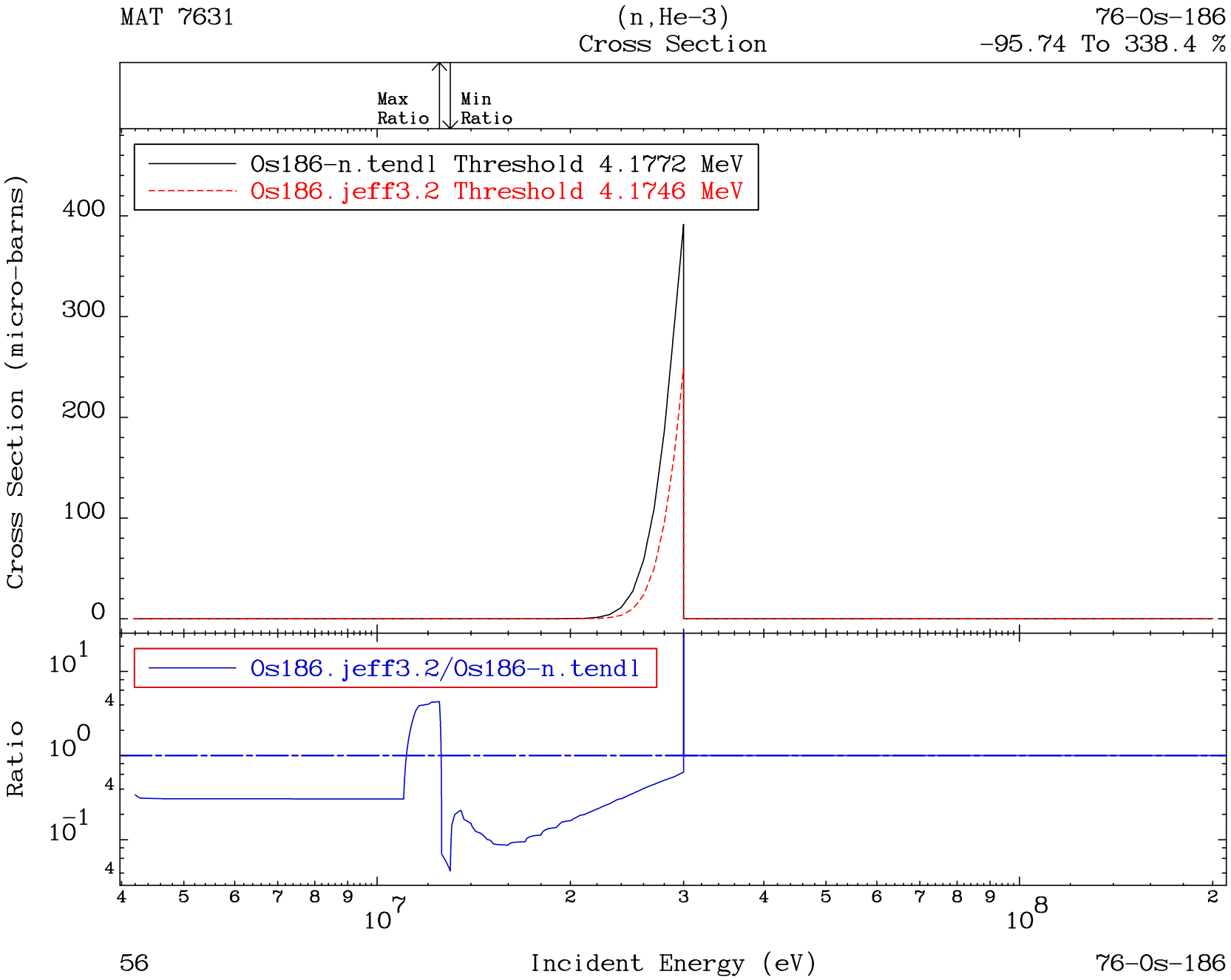

MAT 7631
(n,n') Continuum
Cross Section
76-0s-186
-40.67 To 12.97 %
Min
Ratio
Max
Ratio
0s186-n.tendl Threshold 1.8585 MeV
0s186.jeff3.2 Threshold 1.8585 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
51
Incident Energy (eV)
76-0s-186

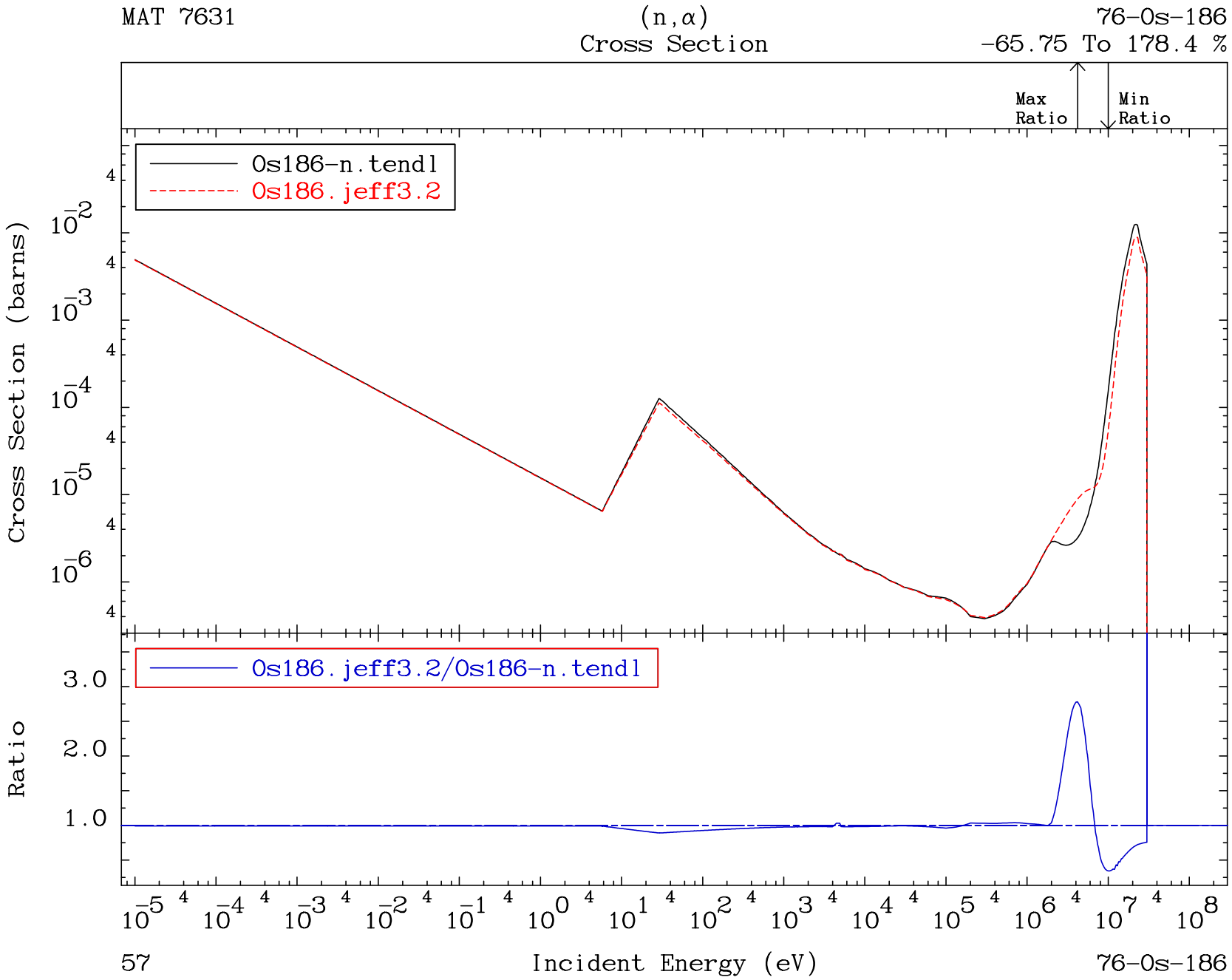

MAT 7631
(n,γ)
Cross Section
76-Os-186
-99.96 To 9999. %
Max Ratio
Min Ratio
Os186-n.tendl
Os186.jeff3.2
Cross Section (barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
52
76-Os-186

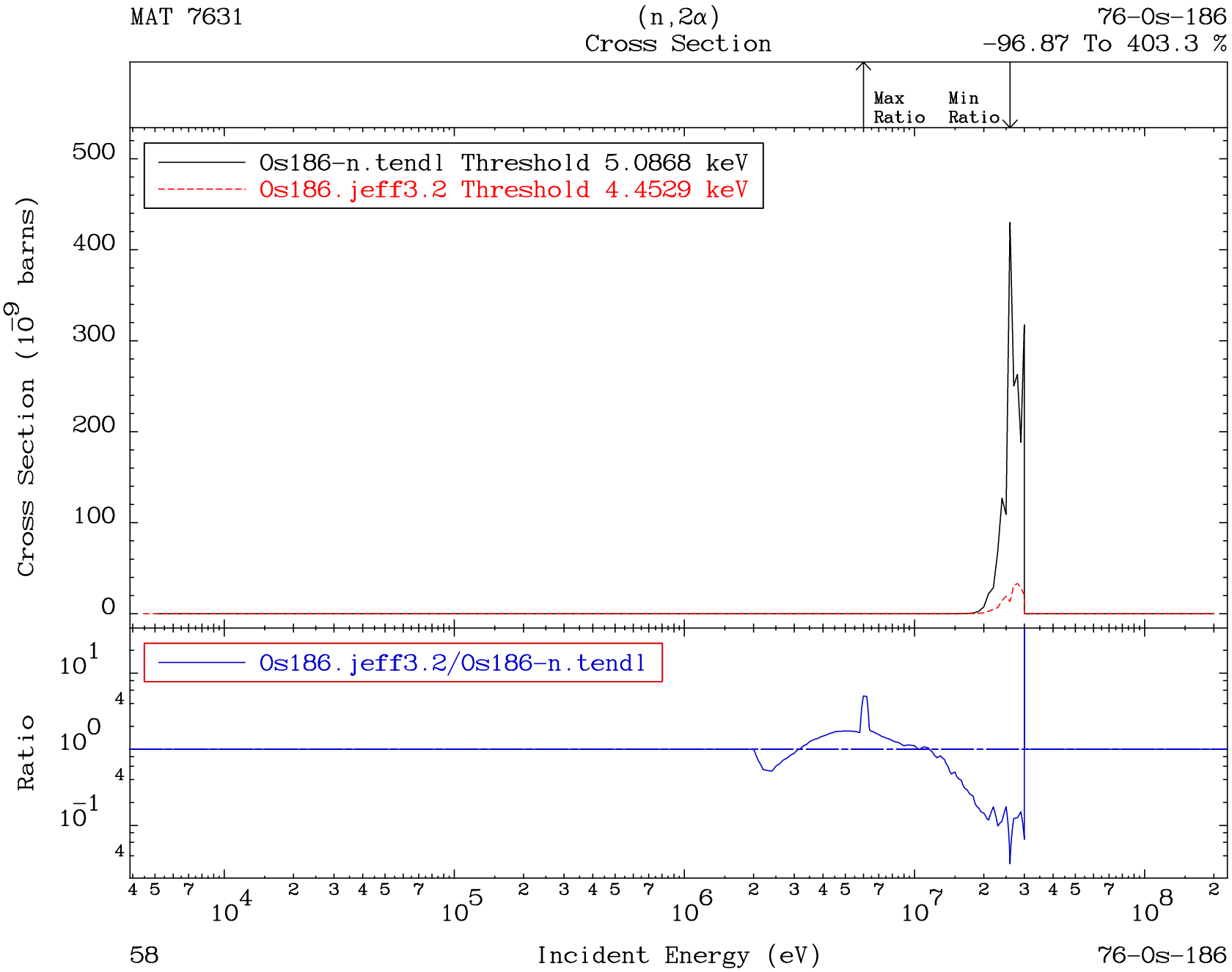

MAT 7631
(n,p)
Cross Section
76-0s-186
0.000 To 227.4 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 290.95 keV
0s186.jeff3.2 Threshold 288.49 keV
Cross Section (milli-barns)
0
5
10
15
20
25
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
2.0
3.0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
53
Incident Energy (eV)
76-0s-186

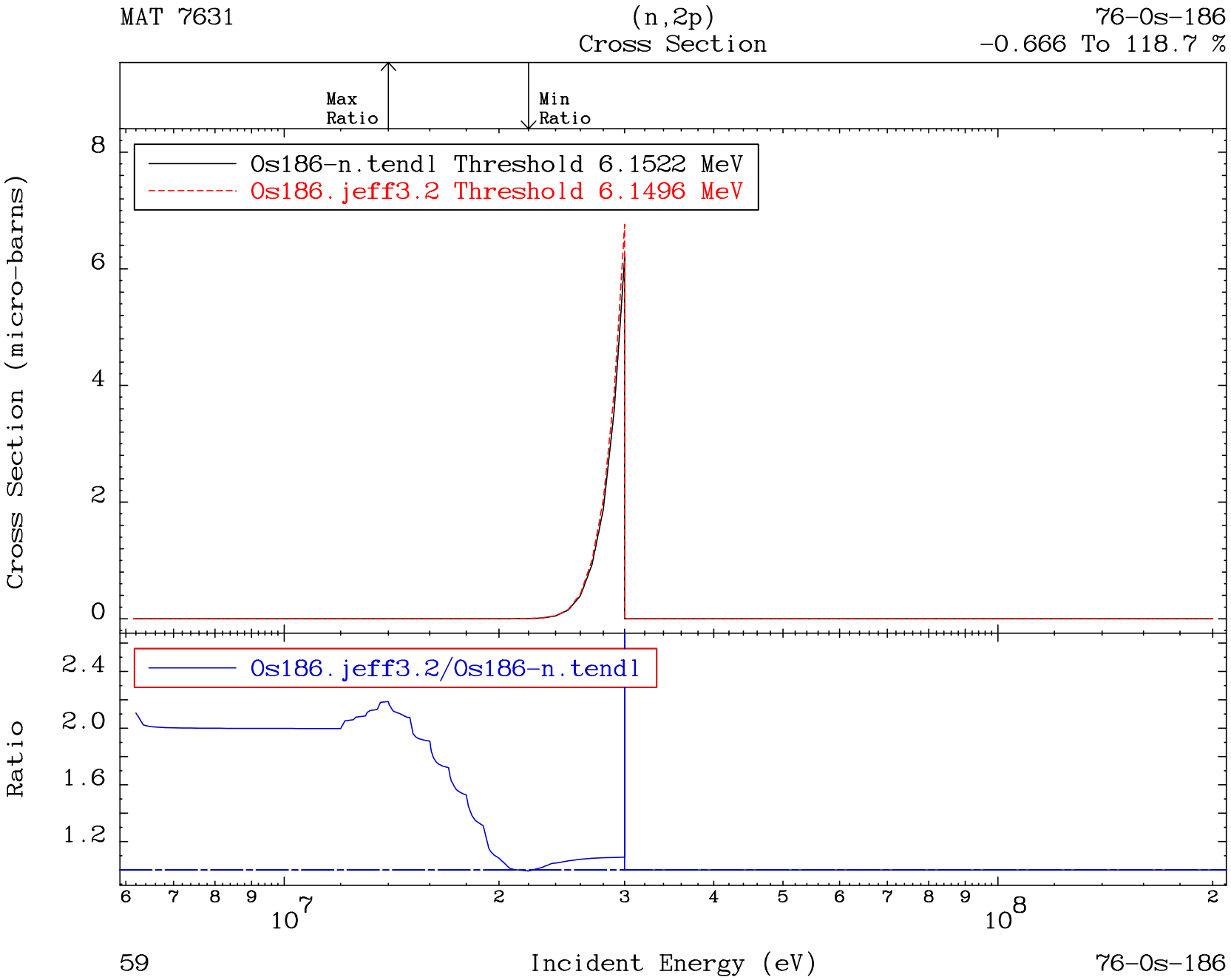

MAT 7631
(n,d)
Cross Section
76-Os-186
-77.61 To 642.8 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 4.2672 MeV
Os186.jeff3.2 Threshold 4.2647 MeV
Cross Section (milli-barns)
16
12
8
4
0
Os186.jeff3.2/Os186-n.tendl
Ratio
10^1
4
10^0
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
76-Os-186

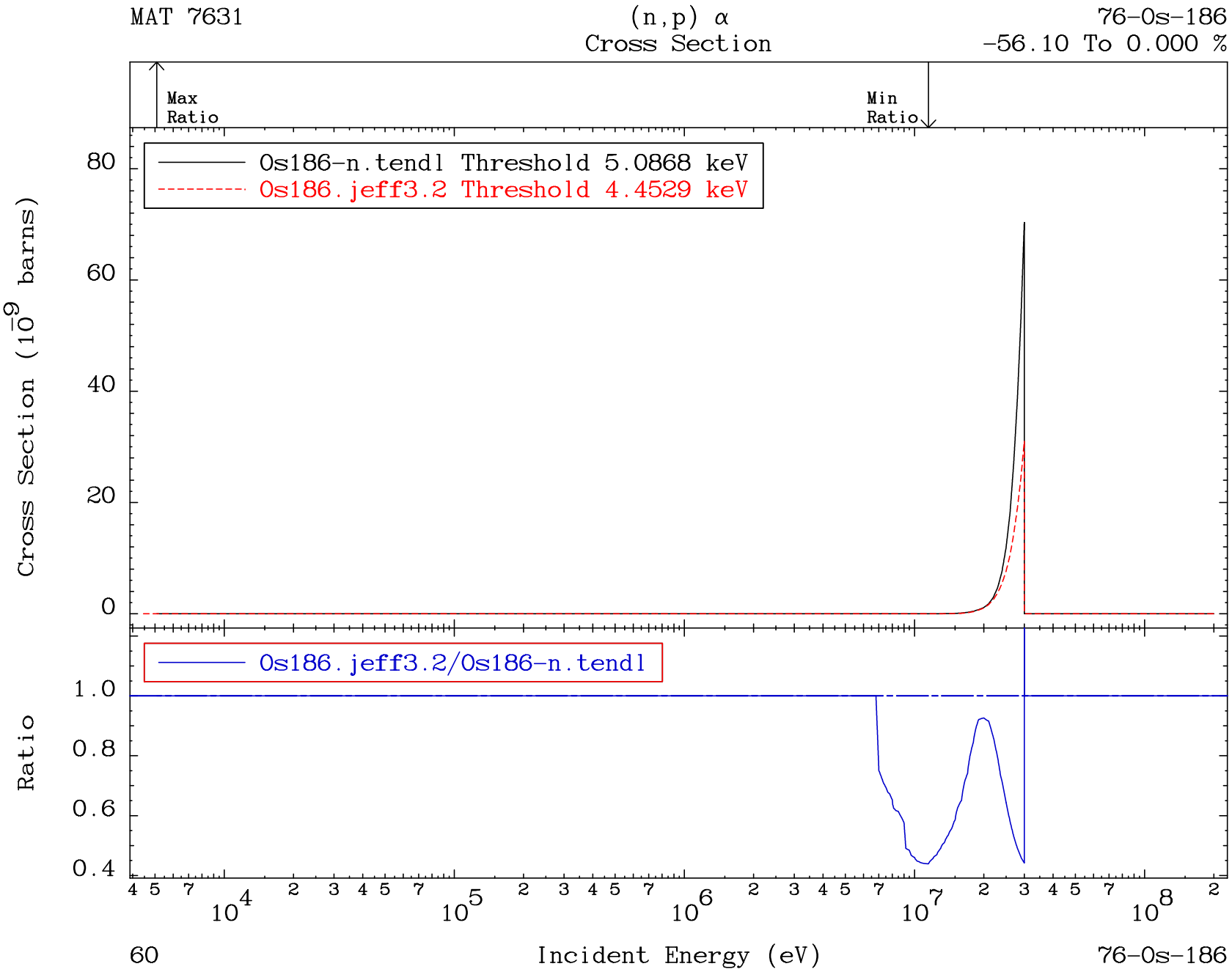

MAT 7631
(n,t)
Cross Section
76-0s-186
0.000 To 59.37 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 5.6868 MeV
0s186.jeff3.2 Threshold 5.6820 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
1.2
1.4
1.6
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
76-0s-186

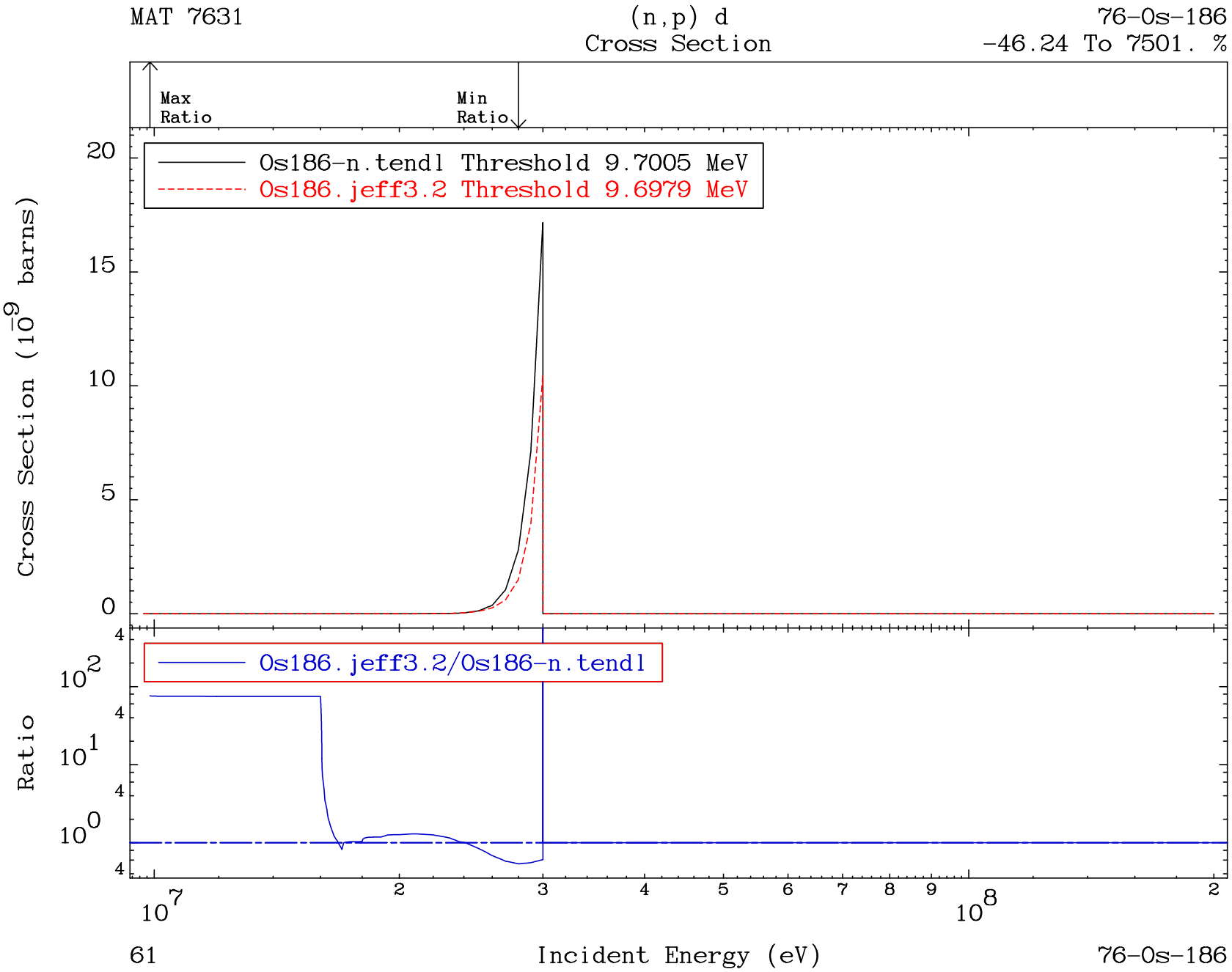

MAT 7631
(n,He-3)
Cross Section
76-0s-186
-95.74 To 338.4 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 4.1772 MeV
0s186.jeff3.2 Threshold 4.1746 MeV
Cross Section (micro-barns)
400
300
200
100
0
0s186.jeff3.2/0s186-n.tendl
Ratio
10^1
10^0
10^-1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
56
Incident Energy (eV)
76-0s-186

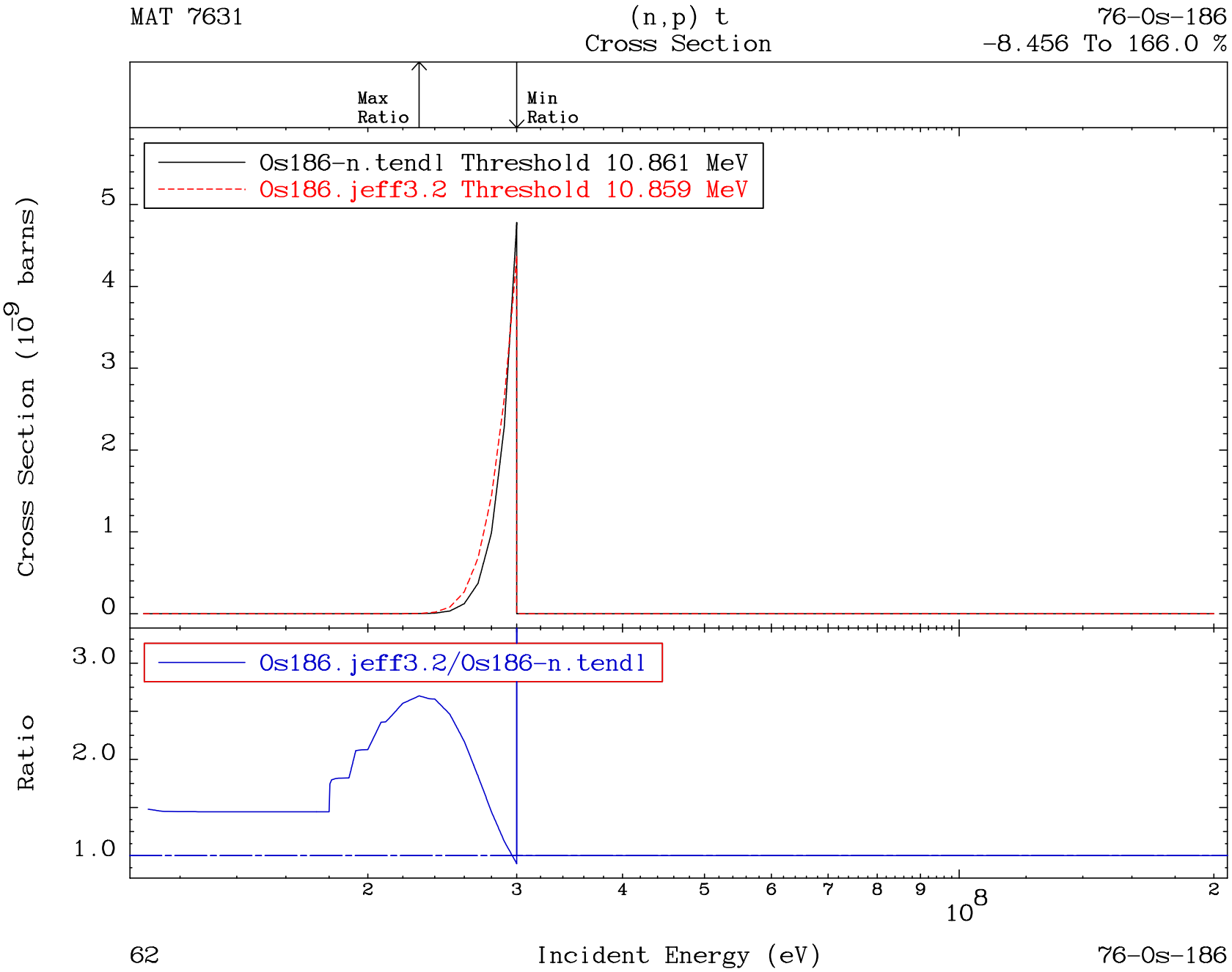

MAT 7631
(n,α)
Cross Section
76-Os-186
-65.75 To 178.4 %
Max Ratio
Min Ratio
Os186-n.tendl
Os186.jeff3.2
Cross Section (barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
57
76-Os-186

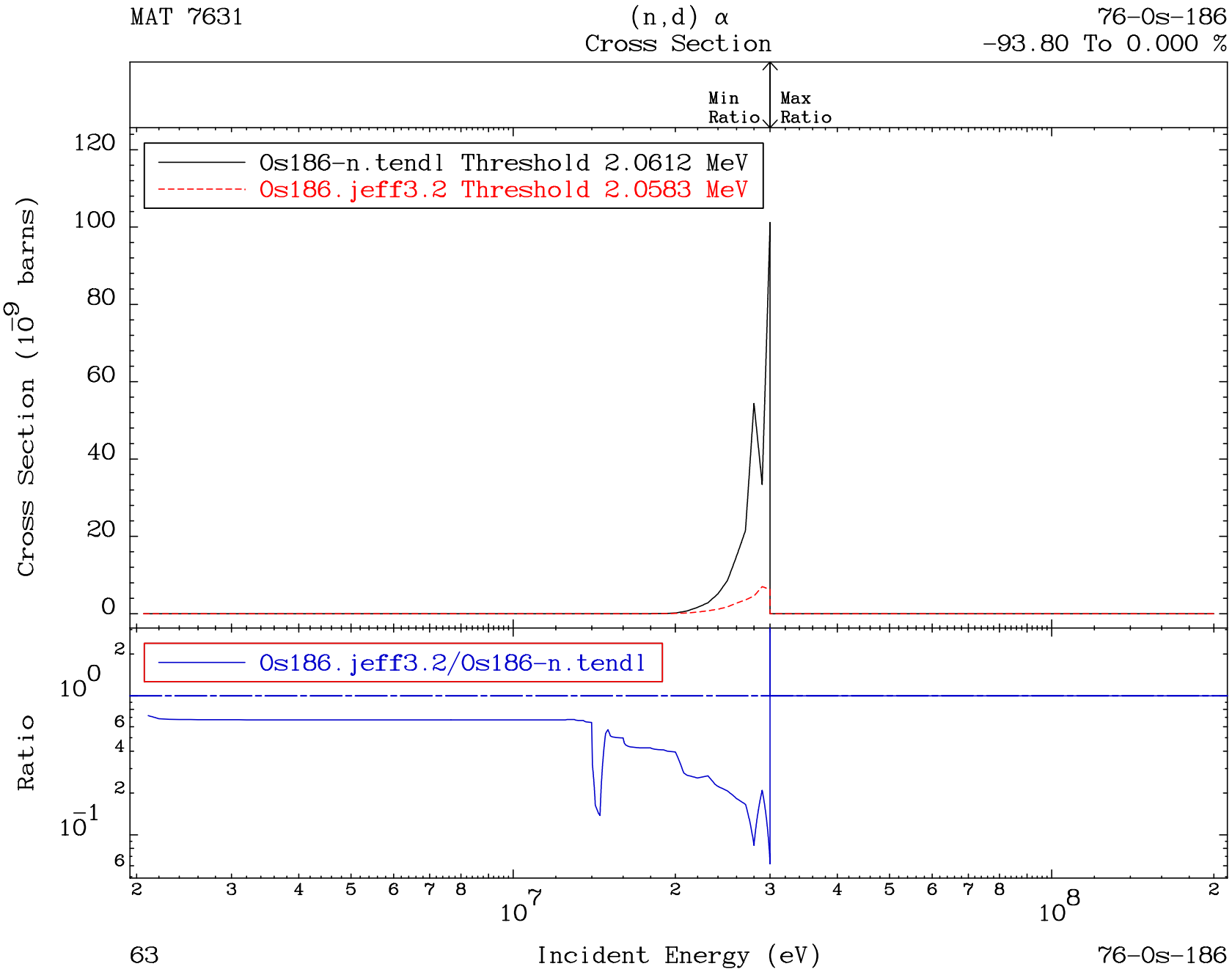

MAT 7631
(n,2α)
Cross Section
76-0s-186
-96.87 To 403.3 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 5.0868 keV
0s186.jeff3.2 Threshold 4.4529 keV
Cross Section (10^{-9} barns)
500
400
300
200
100
0
0s186.jeff3.2/0s186-n.tendl
Ratio
10^{1}
10^{0}
10^{-1}
10^{4}
10^{5}
10^{6}
10^{7}
10^{8}
58
Incident Energy (eV)
76-0s-186

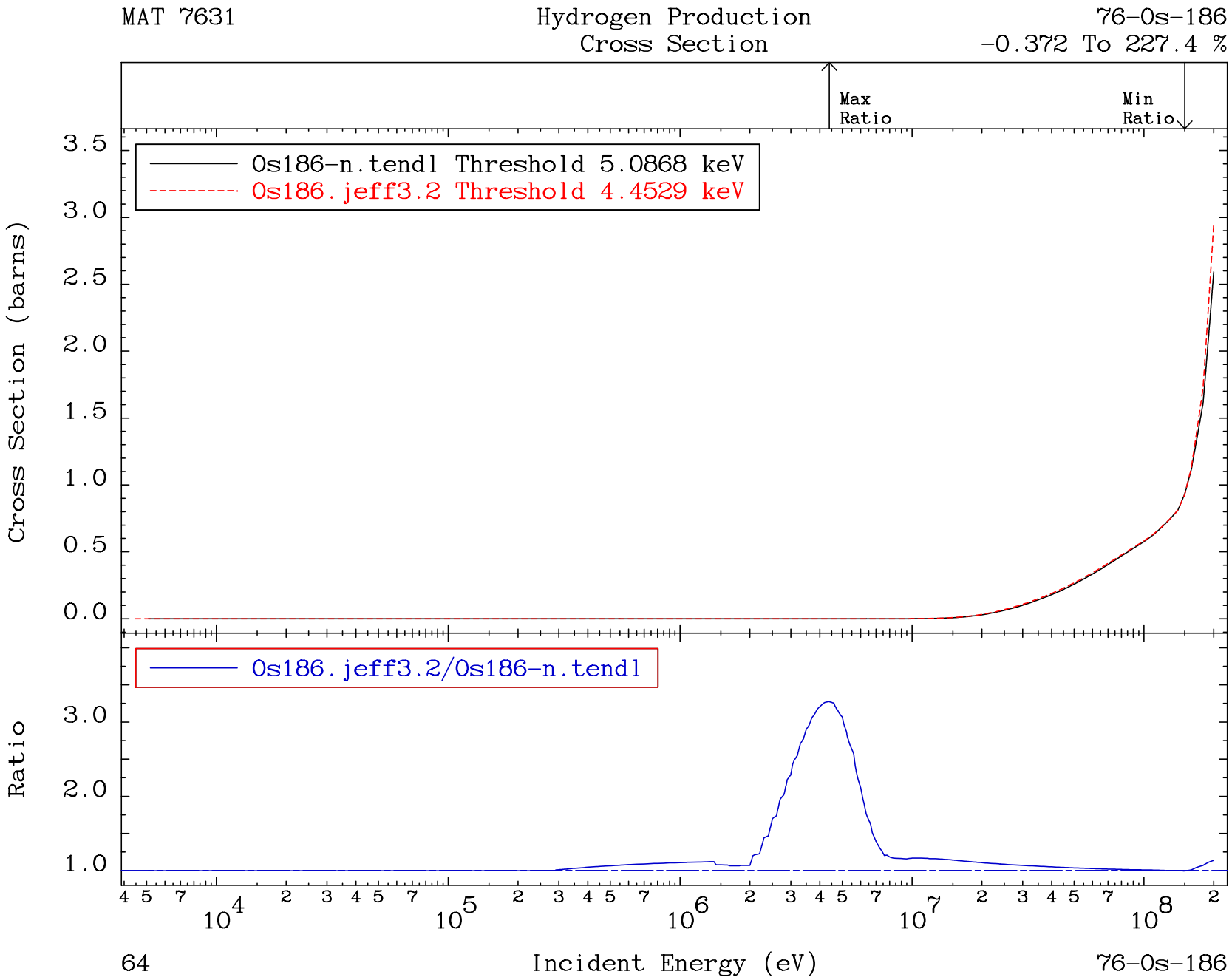

MAT 7631
(n,2p)
Cross Section
76-0s-186
-0.666 To 118.7 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 6.1522 MeV
0s186.jeff3.2 Threshold 6.1496 MeV
Cross Section (micro-barns)
0
2
4
6
8
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.6
2.0
2.4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
59
Incident Energy (eV)
76-0s-186

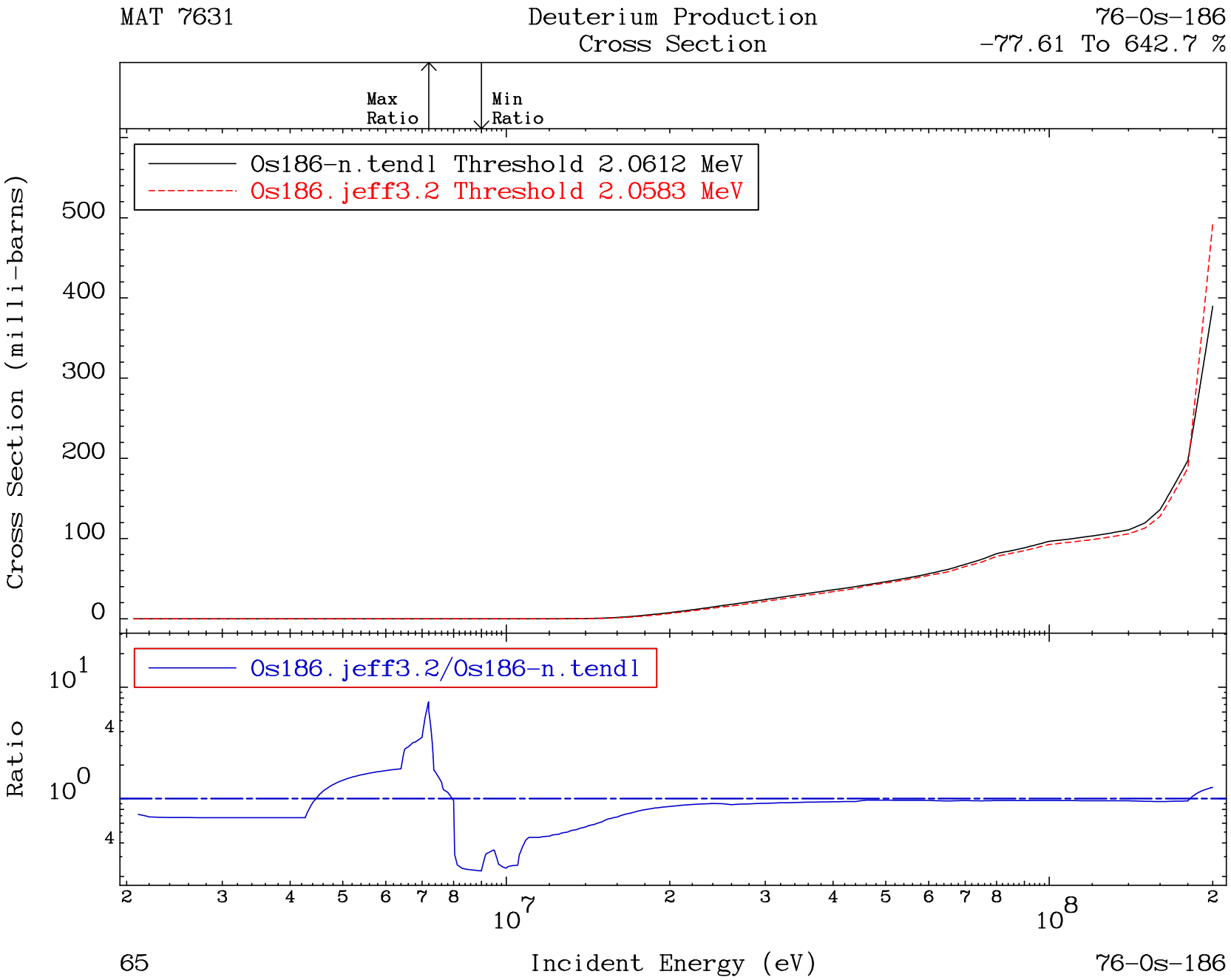

MAT 7631
(n,p) α
Cross Section
76-0s-186
-56.10 To 0.000 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 5.0868 keV
0s186.jeff3.2 Threshold 4.4529 keV
Cross Section (10^{-9} barns)
80
60
40
20
0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
0.8
0.6
0.4
10^4
10^5
10^6
10^7
10^8
60
Incident Energy (eV)
76-0s-186

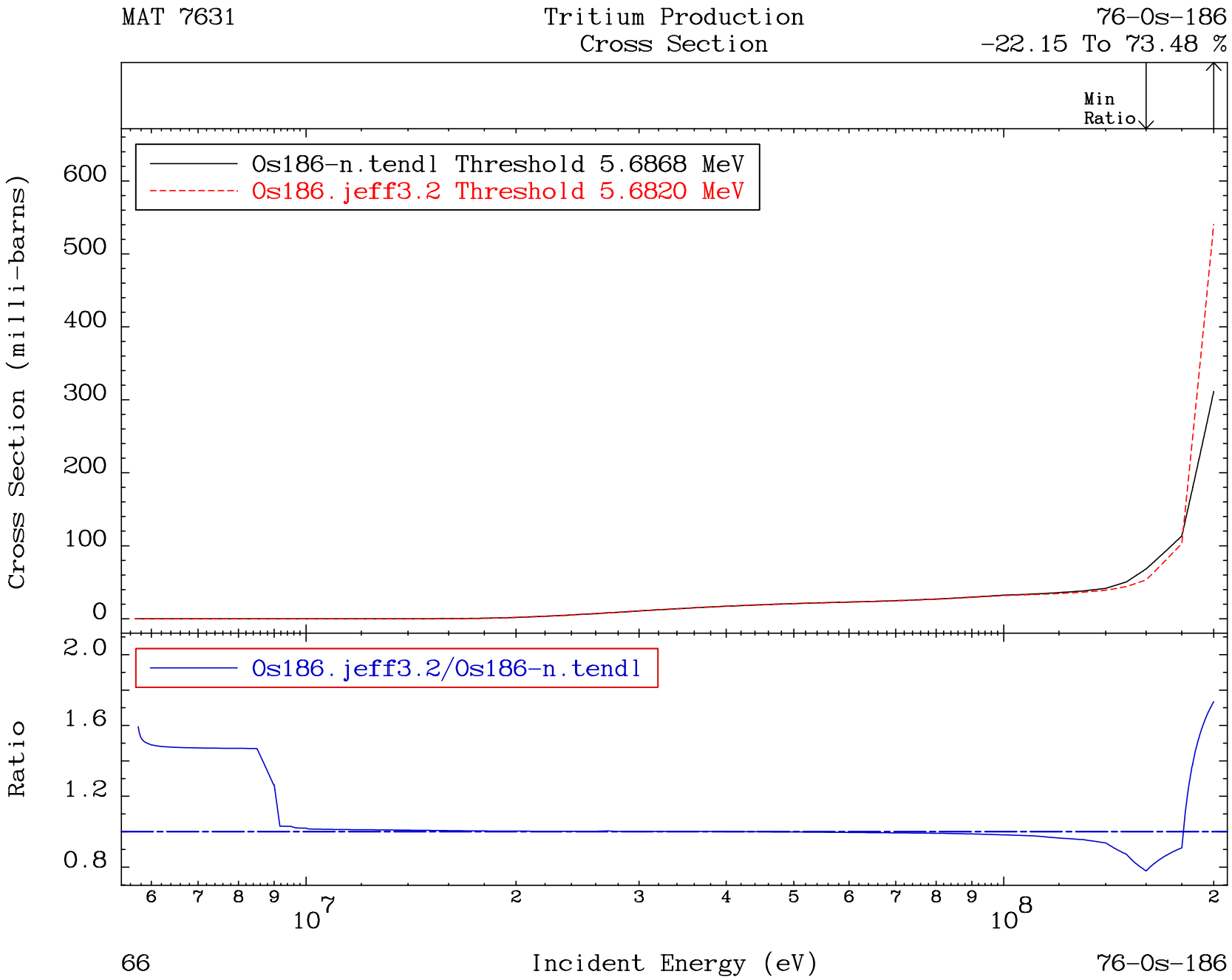

MAT 7631
(n,p) d
Cross Section
76-Os-186
-46.24 To 7501. %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 9.7005 MeV
Os186.jeff3.2 Threshold 9.6979 MeV
Cross Section (10^{-9} barns)
20
15
10
5
0
Os186.jeff3.2/Os186-n.tendl
Ratio
10^{2}
10^{1}
10^{0}
4
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
61
Incident Energy (eV)
76-Os-186

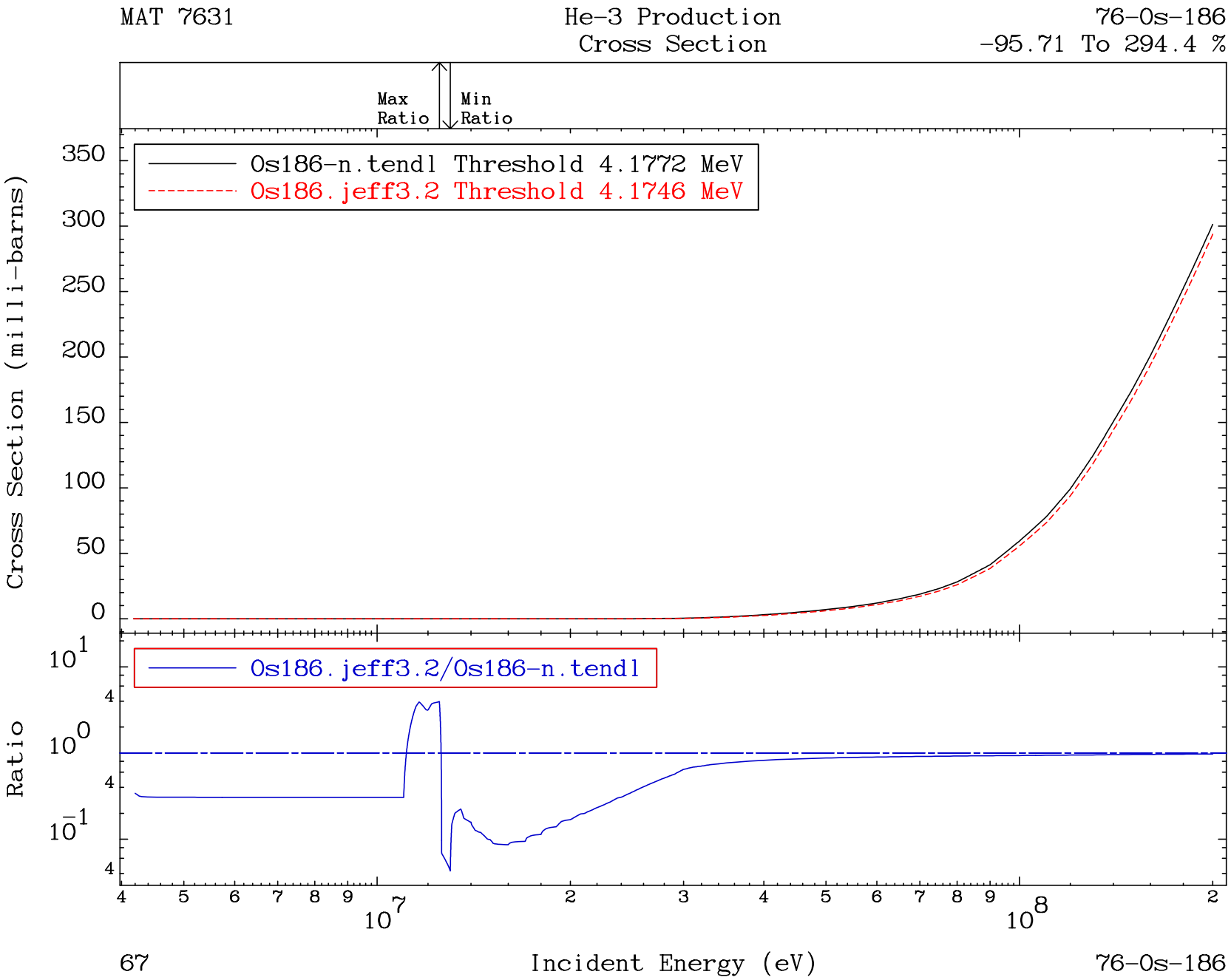

MAT 7631
(n,p) t
Cross Section
76-0s-186
-8.456 To 166.0 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 10.861 MeV
0s186.jeff3.2 Threshold 10.859 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
5
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
2.0
3.0
2
3
4
5
6
7
8
9
10^{8}
2
62
Incident Energy (eV)
76-0s-186

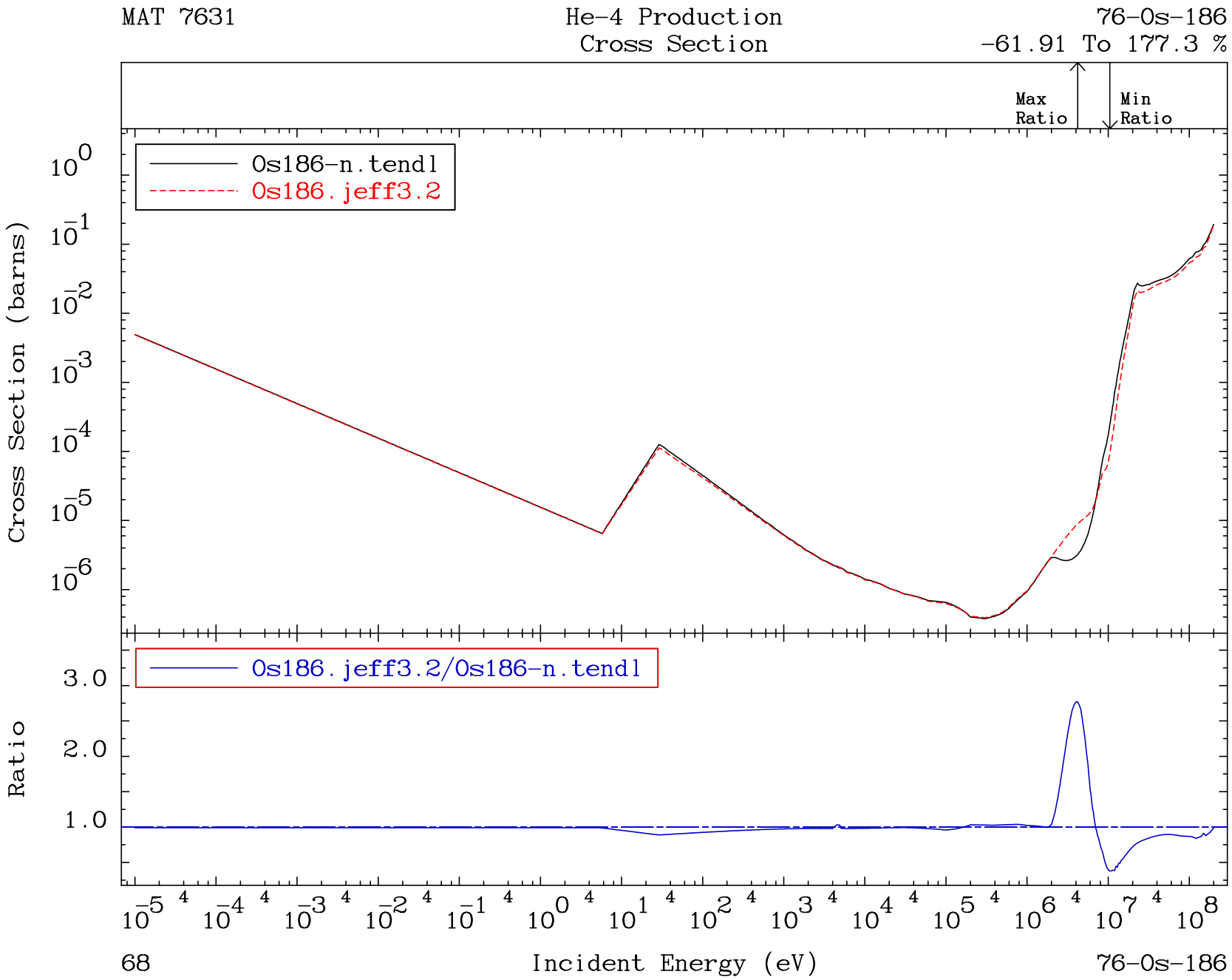

MAT 7631
(n,d) α
Cross Section
76-0s-186
-93.80 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 2.0612 MeV
0s186.jeff3.2 Threshold 2.0583 MeV
Cross Section (10^-9 barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
63
76-0s-186

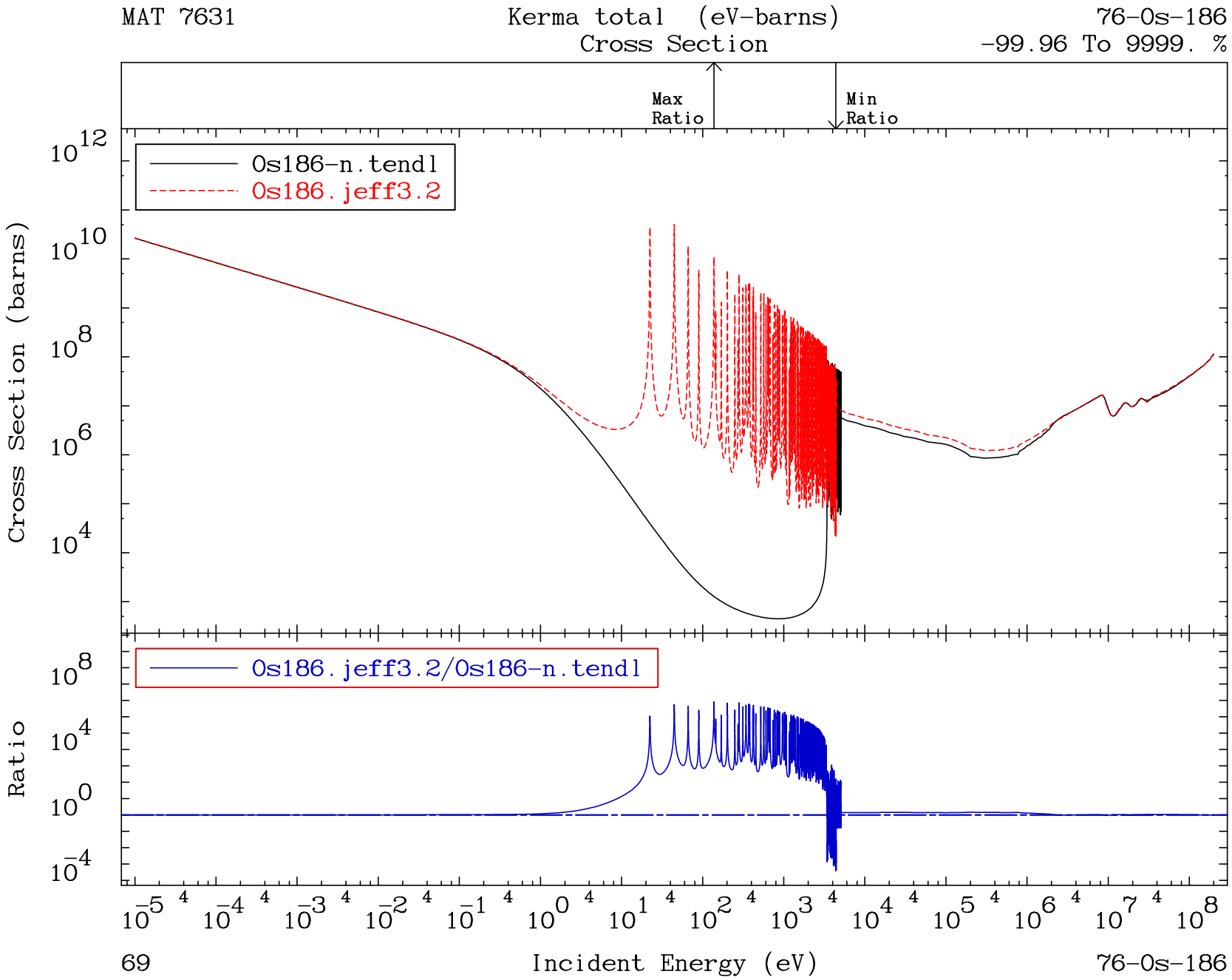

MAT 7631
Hydrogen Production
Cross Section
76-Os-186
-0.372 To 227.4 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 5.0868 keV
Os186.jeff3.2 Threshold 4.4529 keV
Cross Section (barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
64
76-Os-186

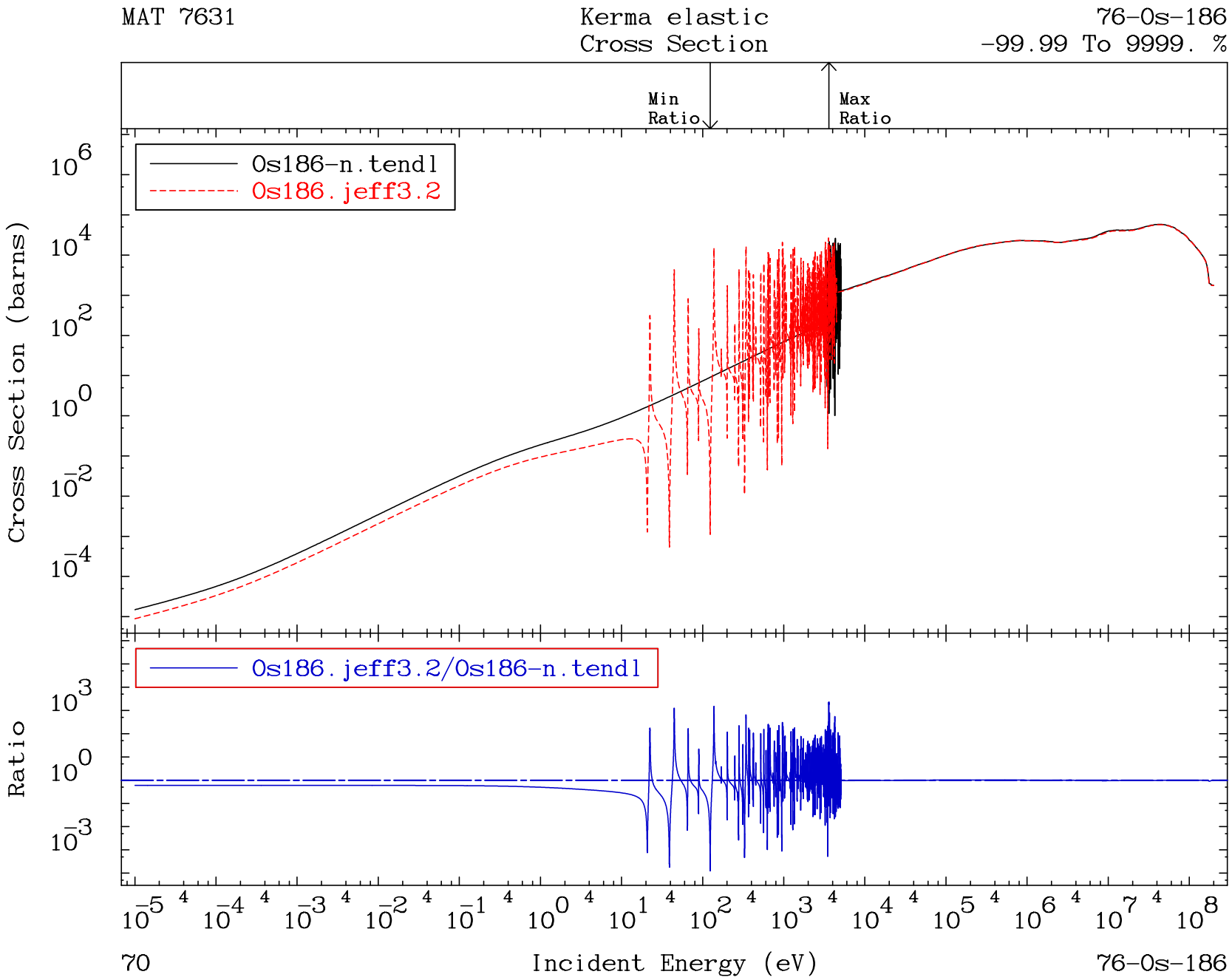

MAT 7631
Deuterium Production
Cross Section
76-Os-186
-77.61 To 642.7 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 2.0612 MeV
Os186.jeff3.2 Threshold 2.0583 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
Os186.jeff3.2/Os186-n.tendl
Ratio
10^1
10^0
4
4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
65
Incident Energy (eV)
76-Os-186

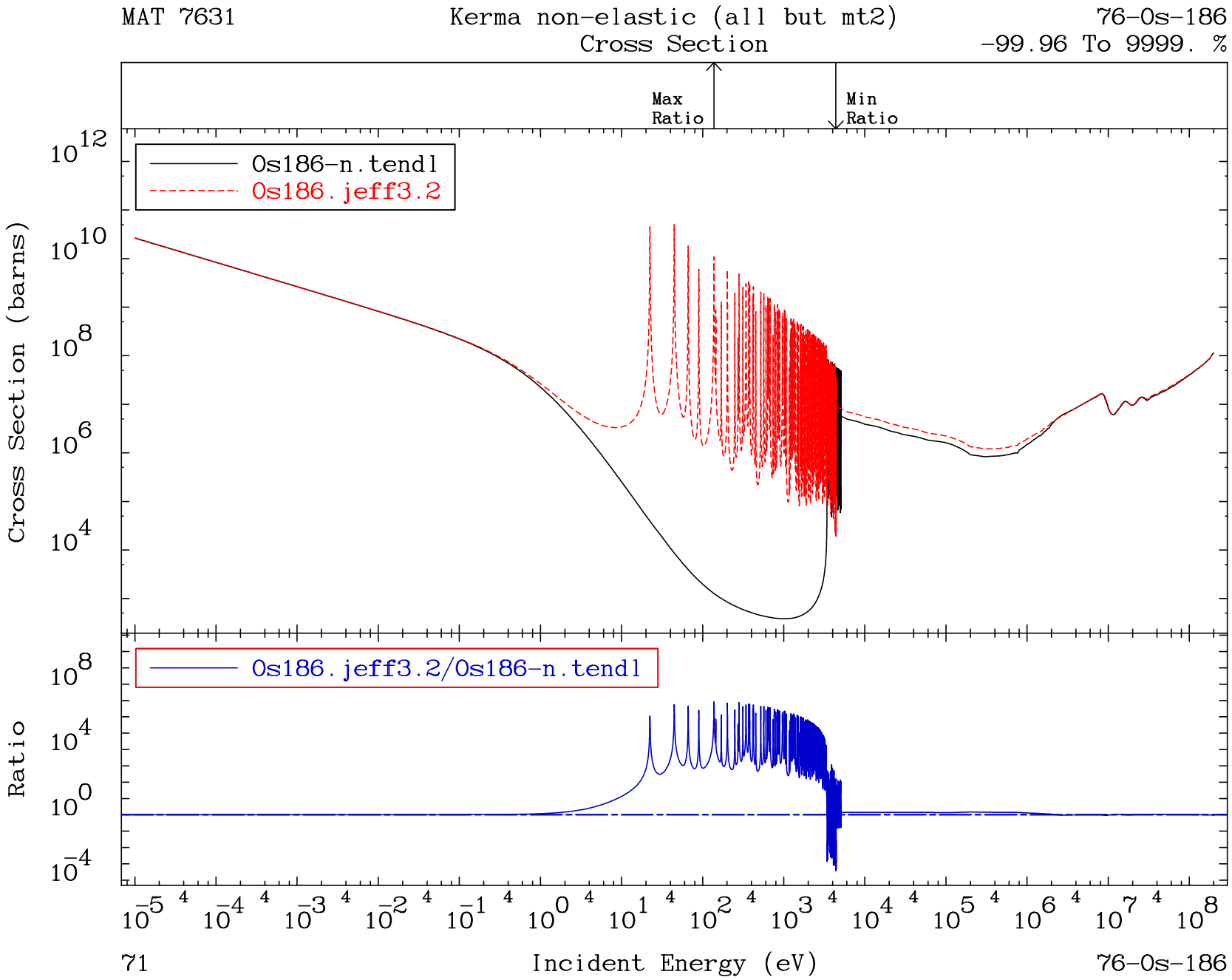

MAT 7631
Tritium Production
Cross Section
76-Os-186
-22.15 To 73.48 %
Min
Ratio
Os186-n.tendl Threshold 5.6868 MeV
Os186.jeff3.2 Threshold 5.6820 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.0
1.6
1.2
0.8
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
66
Incident Energy (eV)
76-Os-186

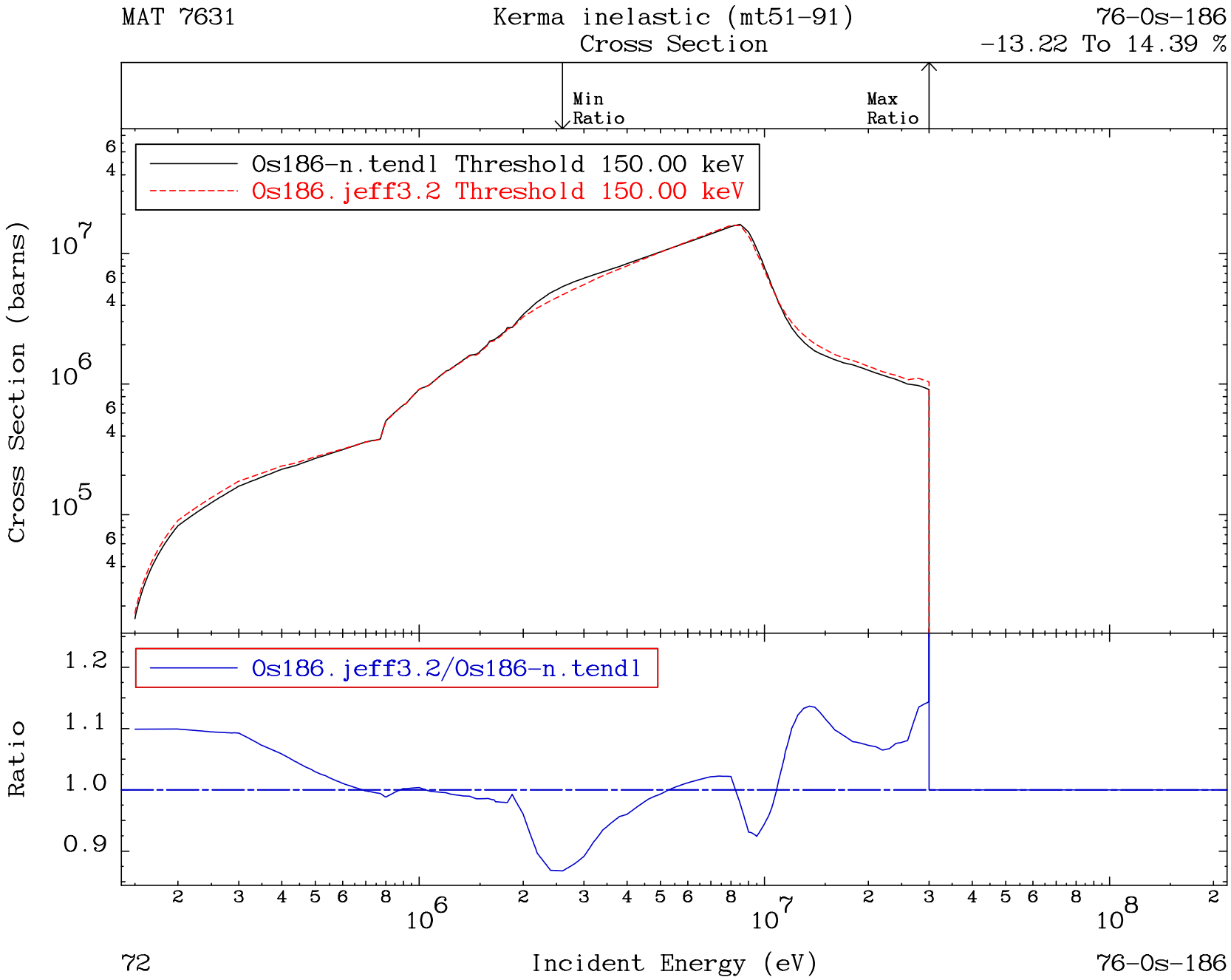

MAT 7631
He-3 Production
Cross Section
76-0s-186
-95.71 To 294.4 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 4.1772 MeV
0s186.jeff3.2 Threshold 4.1746 MeV
Cross Section (milli-barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
67
76-0s-186

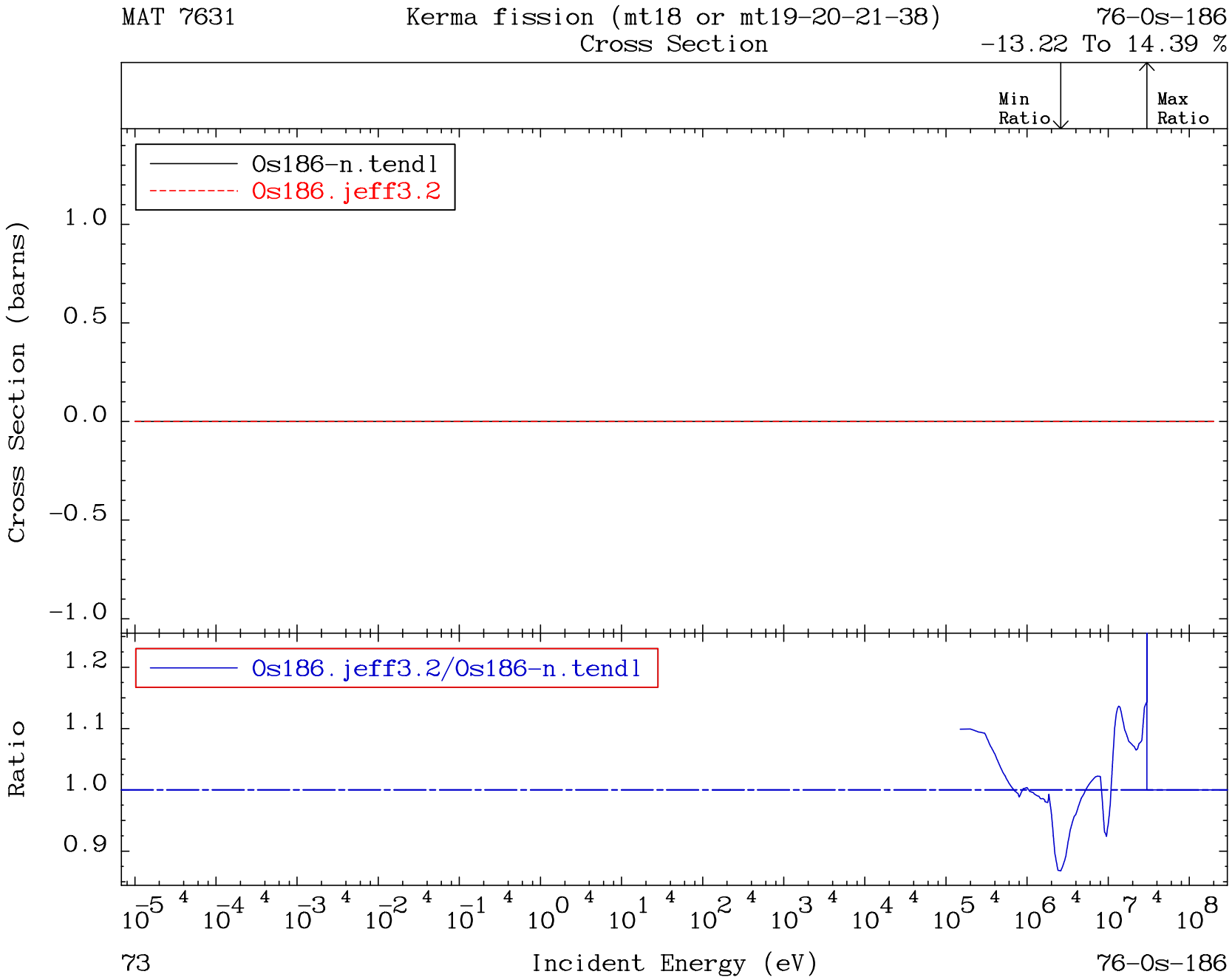

MAT 7631
He-4 Production
Cross Section
76-0s-186
-61.91 To 177.3 %
Max Ratio
Min Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
68
76-0s-186

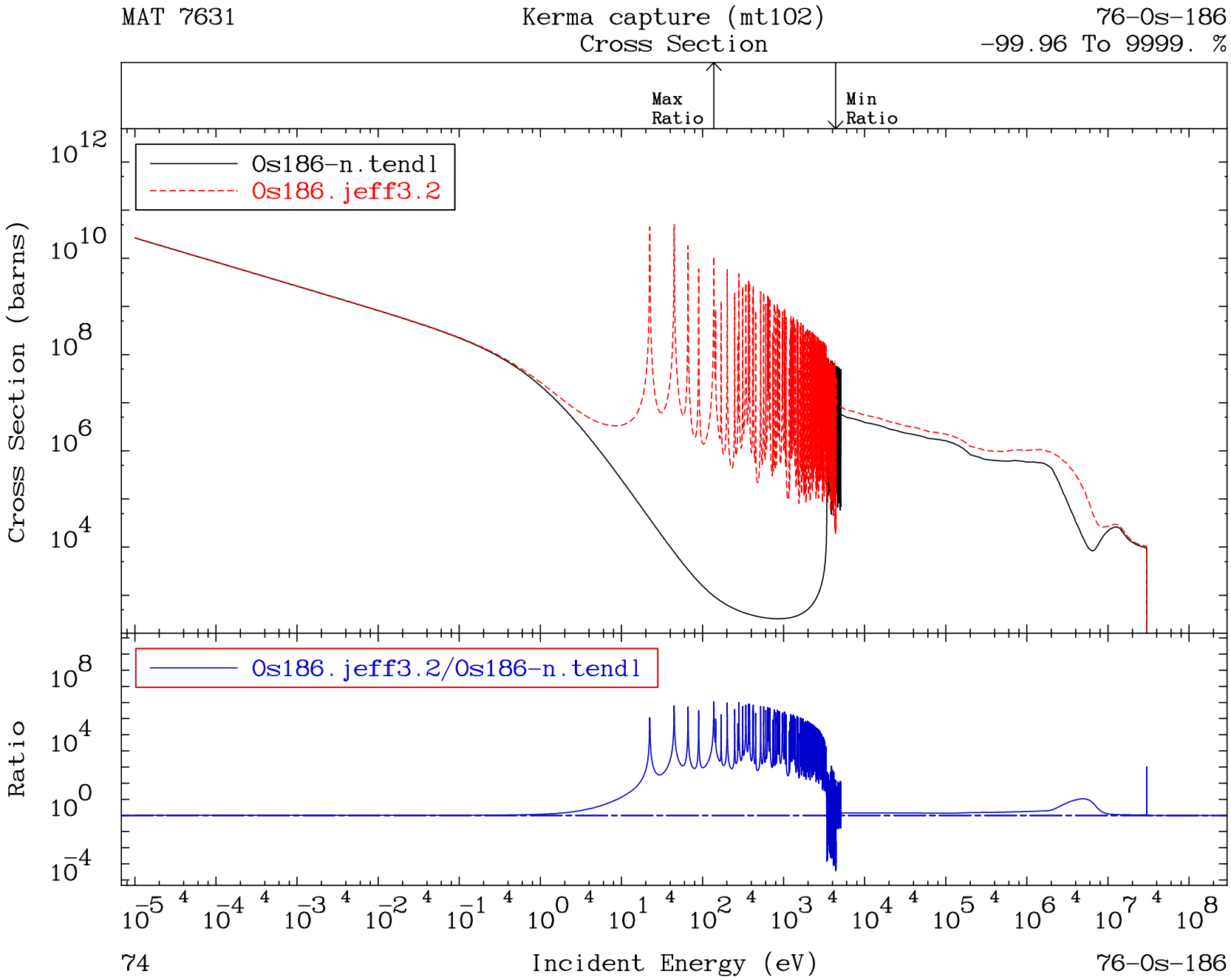

MAT 7631
Kerma total (eV-barns)
Cross Section
76-0s-186
-99.96 To 9999. %
Max Ratio
Min Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
69
76-0s-186

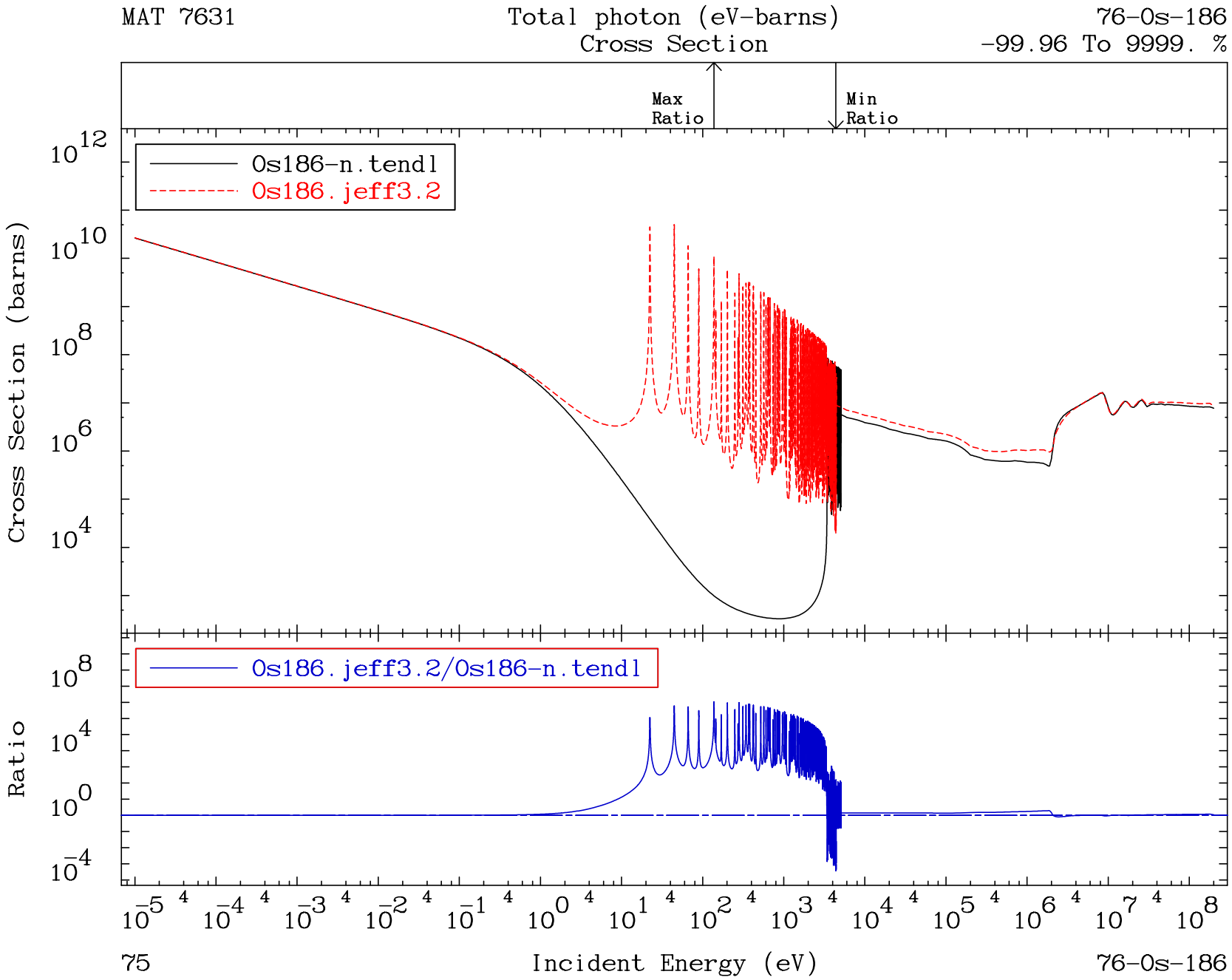

MAT 7631
Kerma elastic
Cross Section
76-0s-186
-99.99 To 9999. %
Min
Ratio
Max
Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
70
76-0s-186

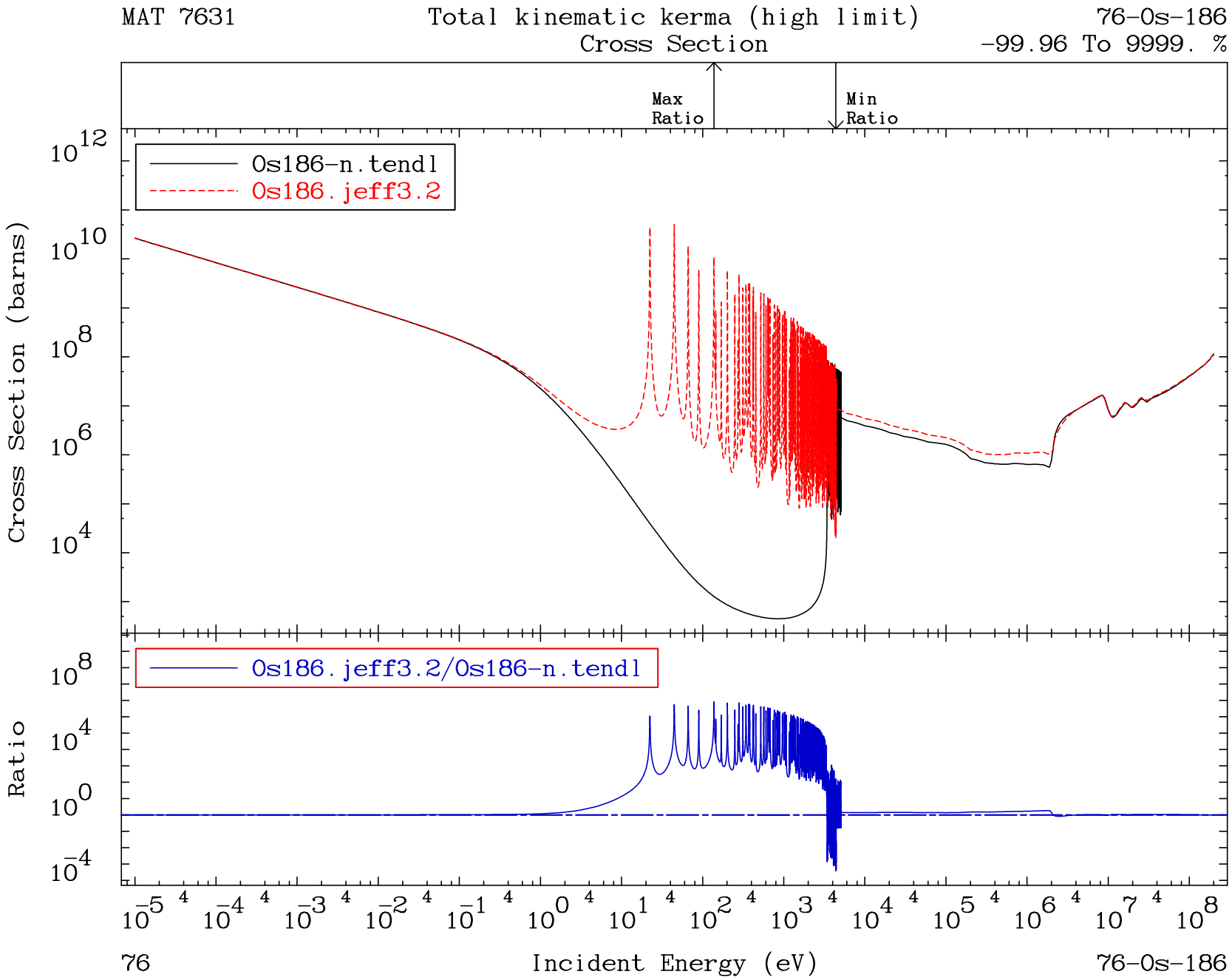

MAT 7631
Kerma non-elastic (all but mt2)
Cross Section
76-0s-186
-99.96 To 9999. %
Max Ratio
Min Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
71
76-0s-186

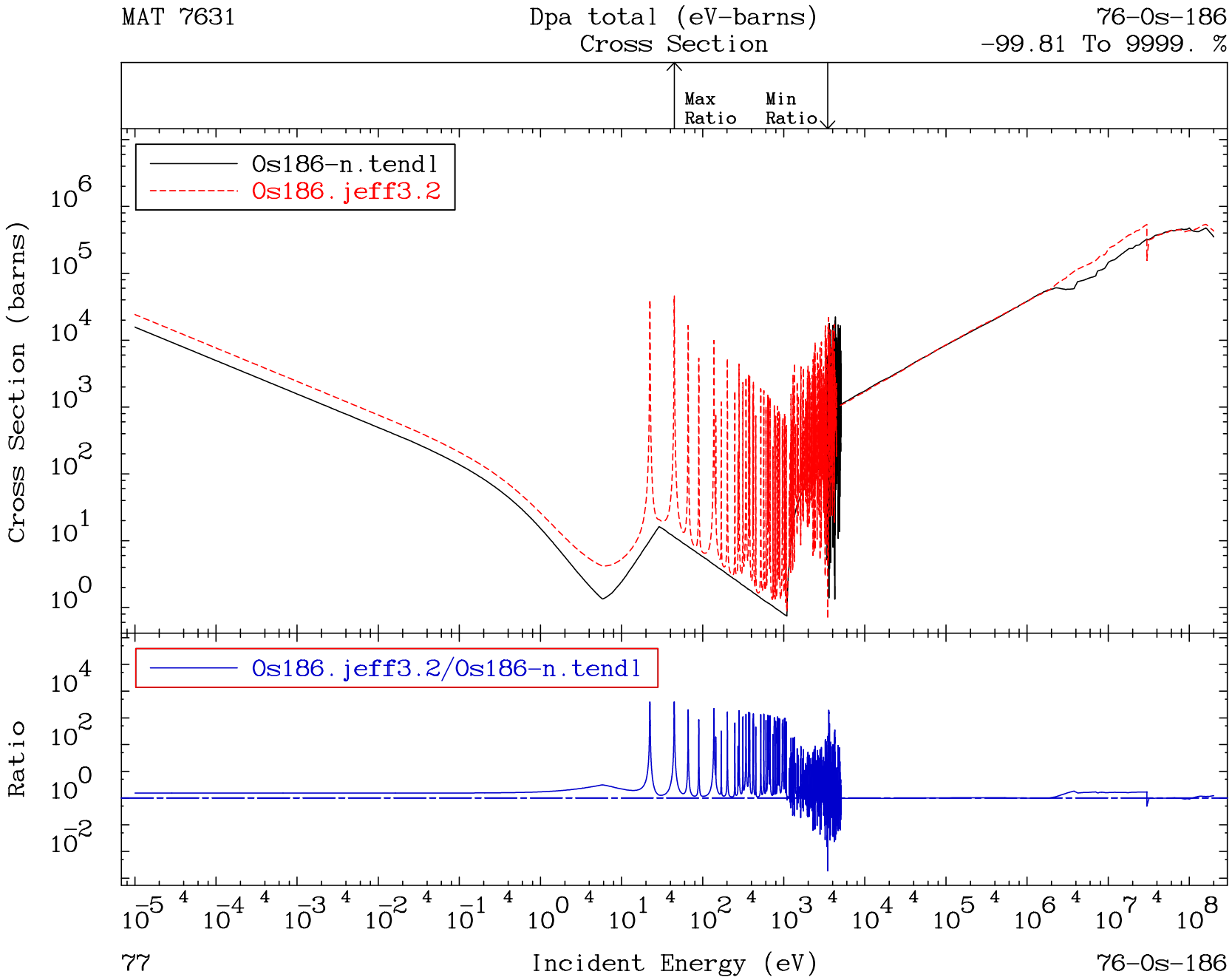

MAT 7631
Kerma inelastic (mt51-91)
Cross Section
76-0s-186
-13.22 To 14.39 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 150.00 keV
0s186.jeff3.2 Threshold 150.00 keV
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
72
76-0s-186

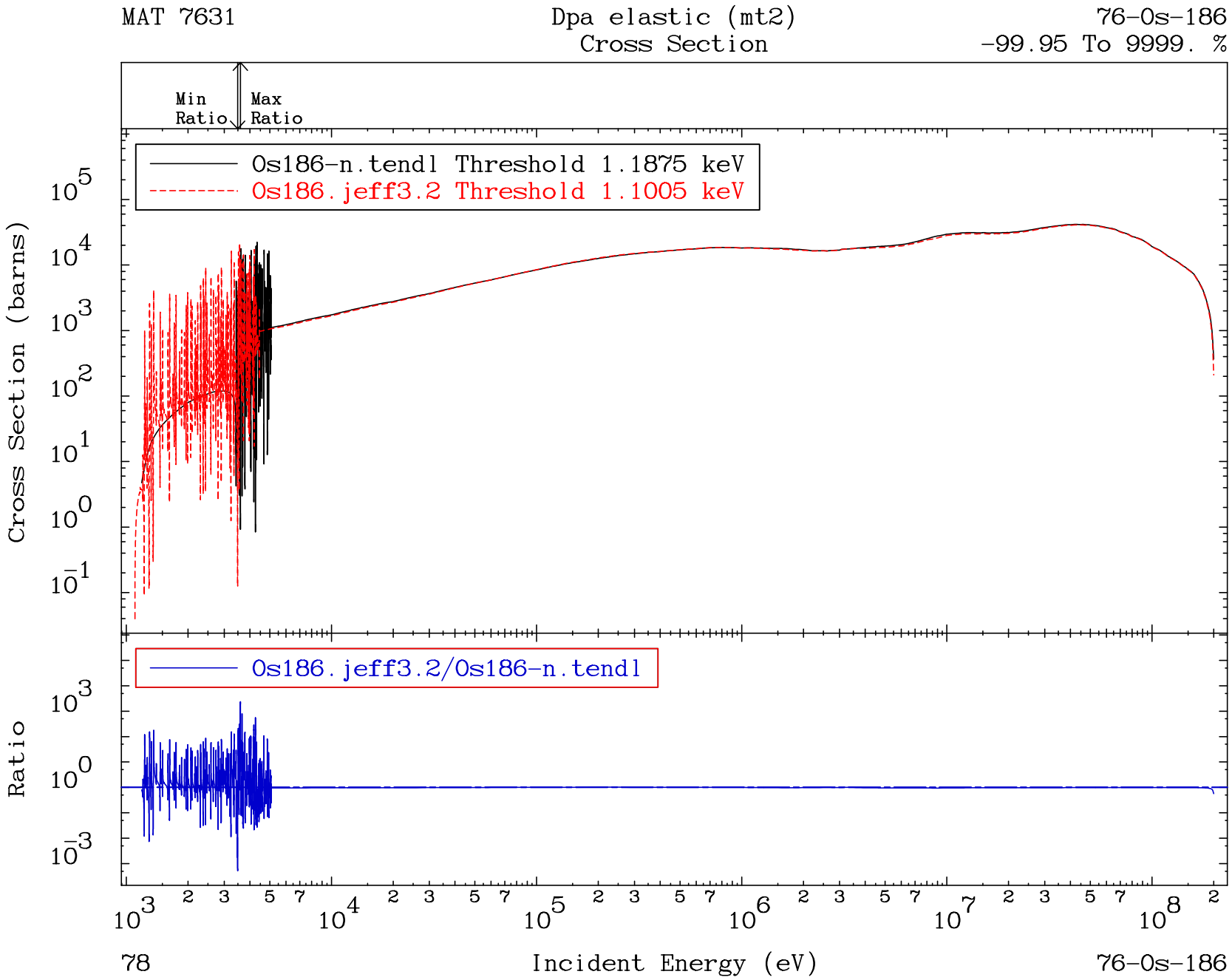

MAT 7631
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
76-0s-186
-13.22 To 14.39 %
Min Ratio
Max Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.2
1.1
1.0
0.9
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
73
Incident Energy (eV)
76-0s-186

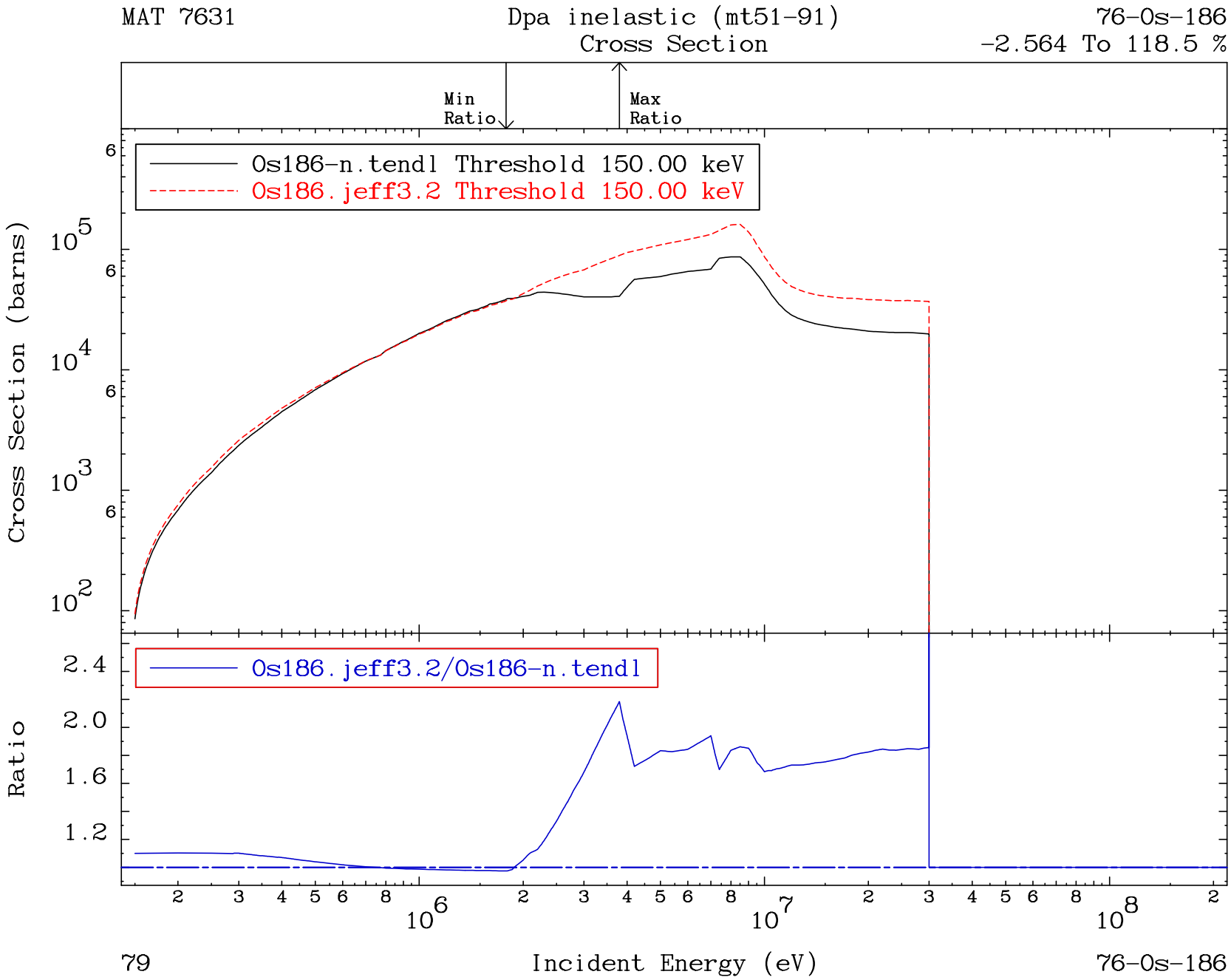

MAT 7631
Kerma capture (mt102)
Cross Section
76-Os-186
-99.96 To 9999. %
Max Ratio
Min Ratio
Os186-n.tendl
Os186.jeff3.2
Cross Section (barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
74
76-Os-186

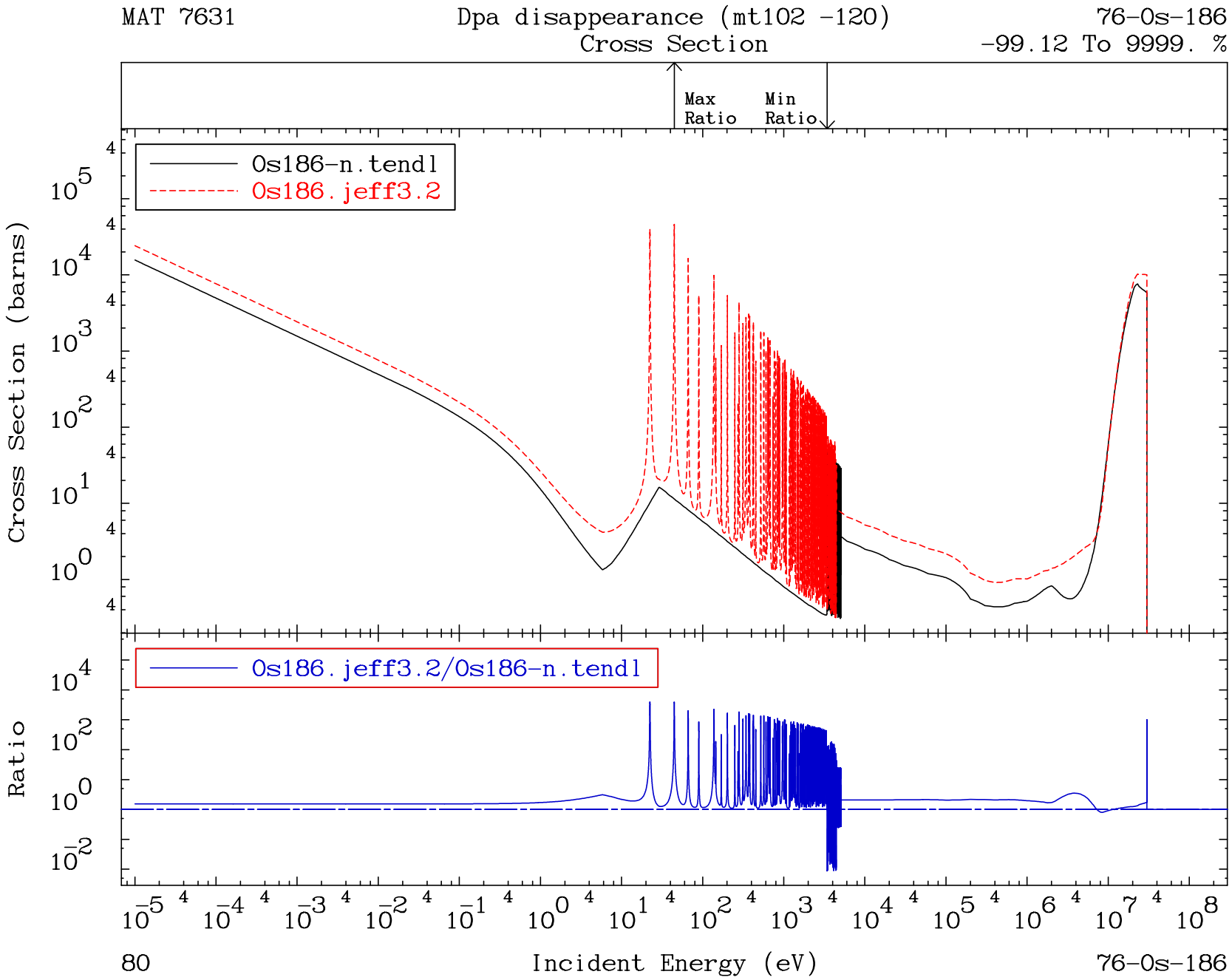

MAT 7631
Total photon (eV-barns)
Cross Section
76-0s-186
-99.96 To 9999. %
Max
Ratio
Min
Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
75
76-0s-186

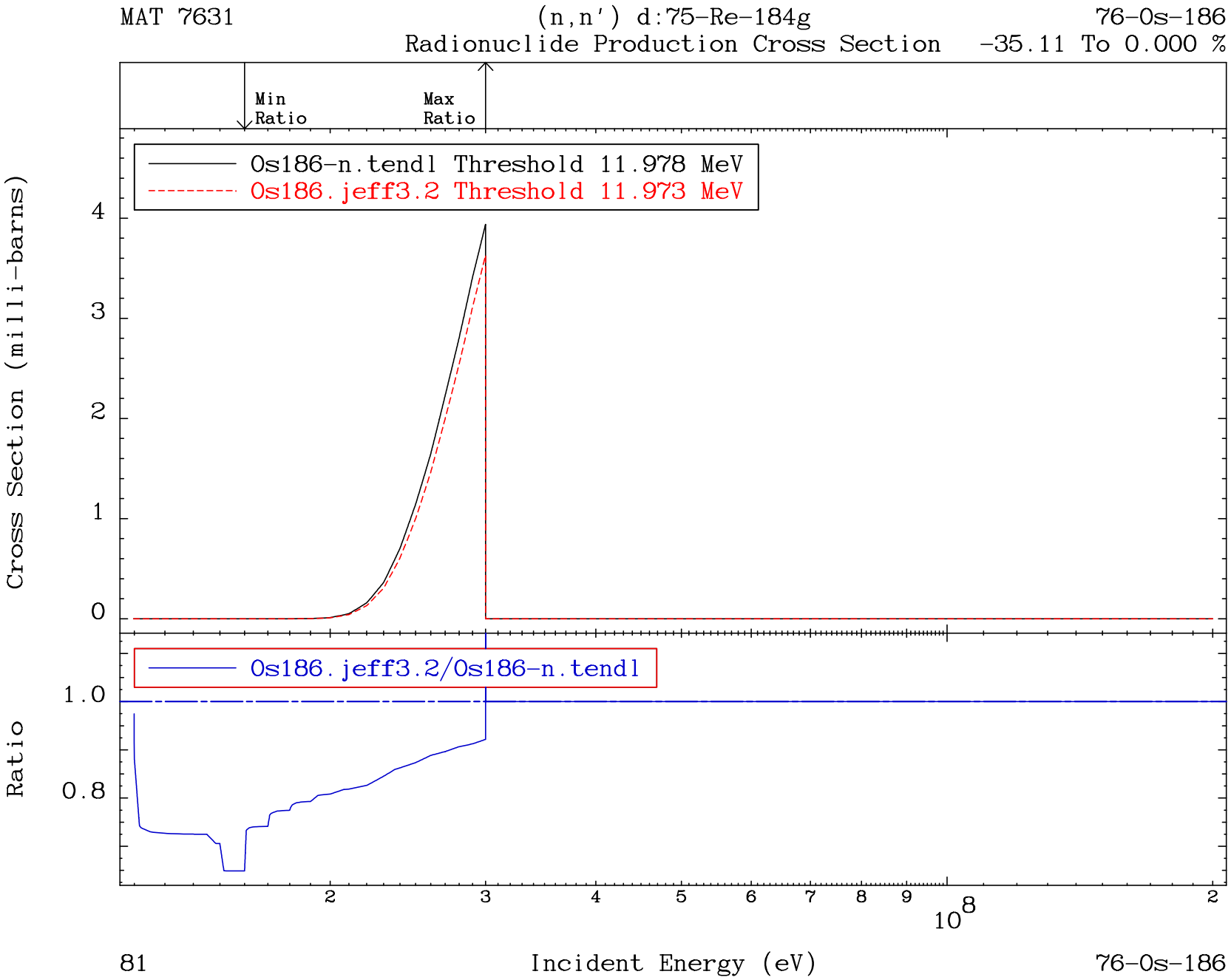

MAT 7631
Total kinematic kerma (high limit)
Cross Section
76-0s-186
-99.96 To 9999. %
Max Ratio
Min Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
76
76-0s-186

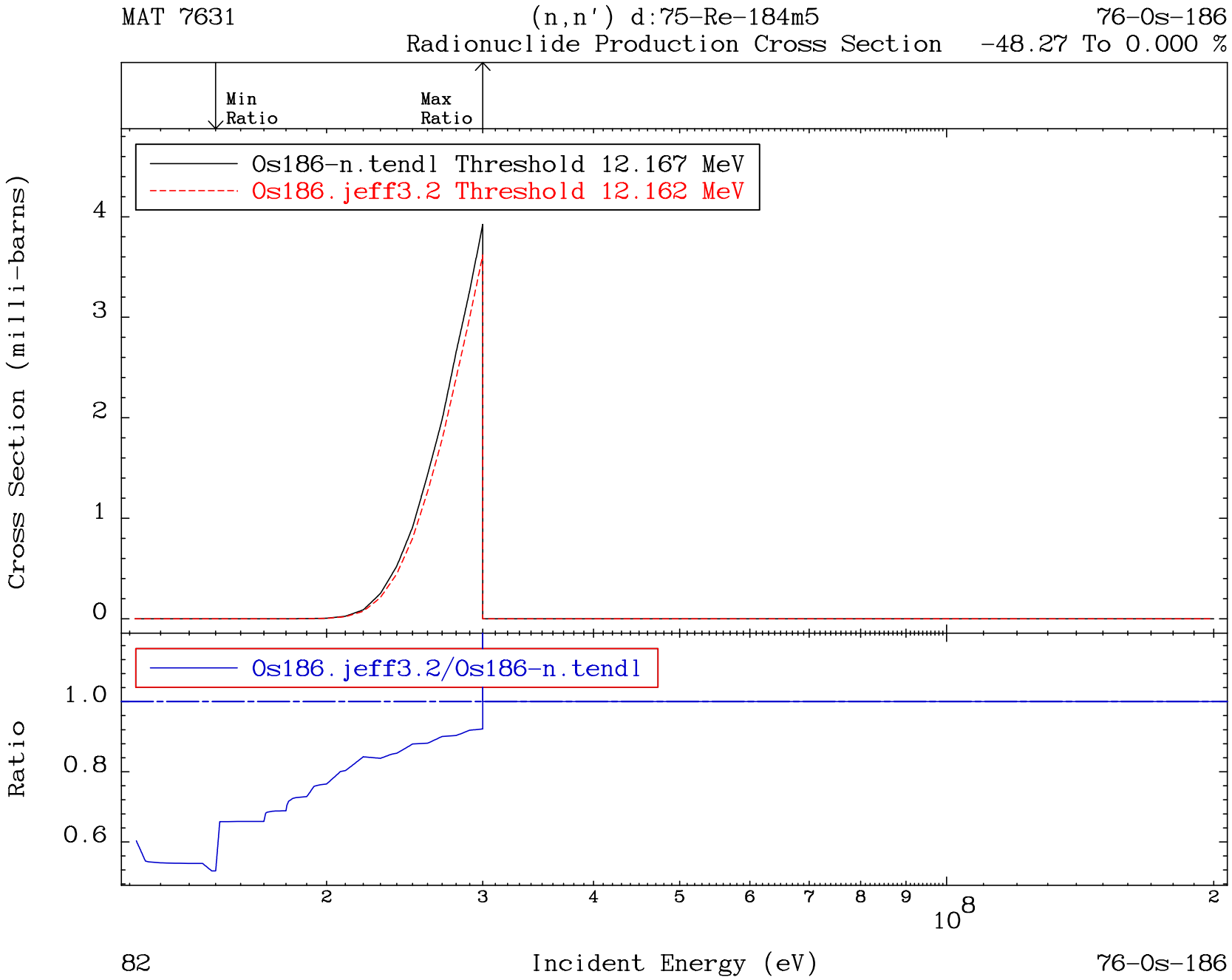

MAT 7631
Dpa total (eV-barns)
Cross Section
76-0s-186
-99.81 To 9999. %
Max Ratio
Min Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
77
76-0s-186

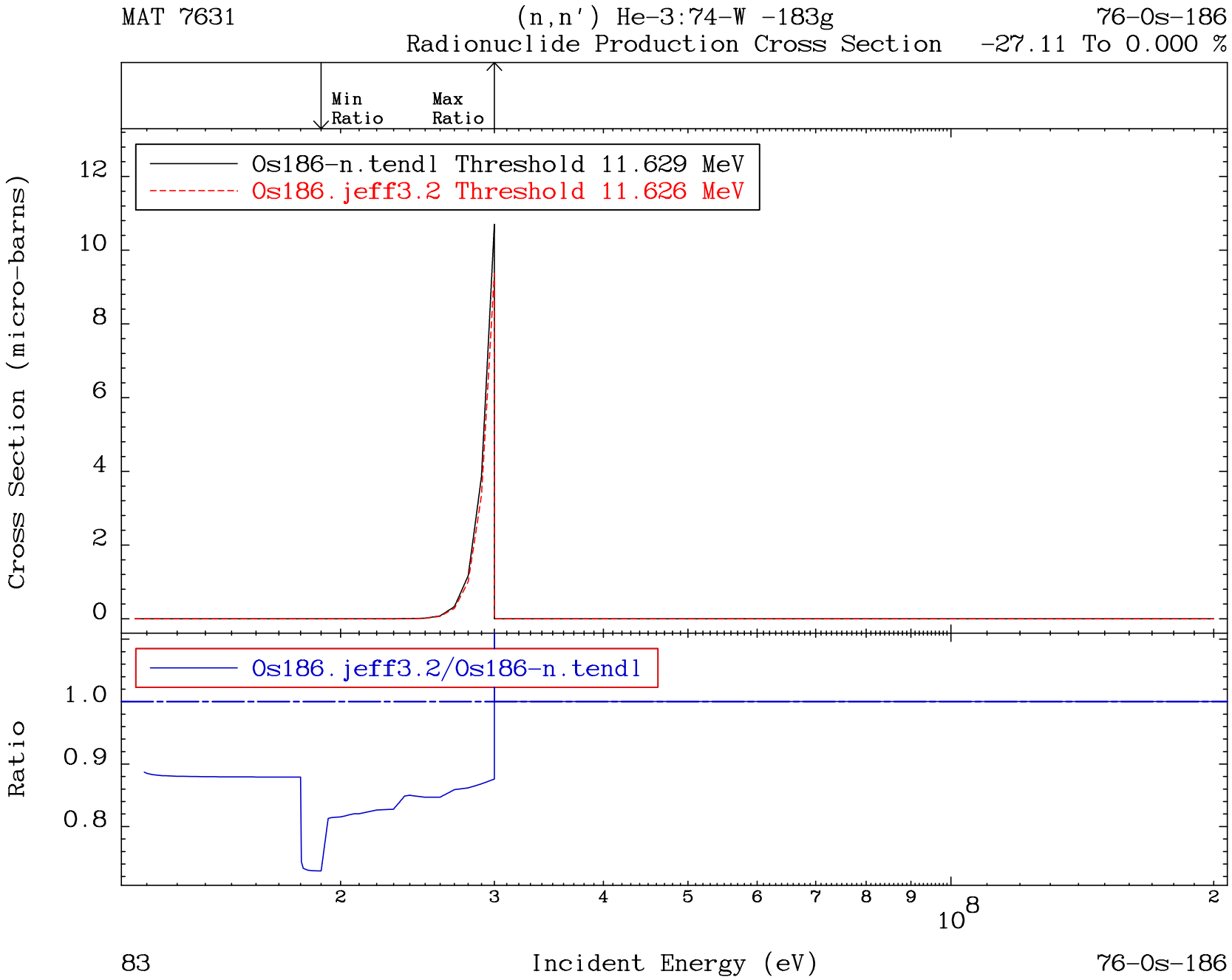

MAT 7631
Dpa elastic (mt2)
Cross Section
76-Os-186
-99.95 To 9999. %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.1875 keV
Os186.jeff3.2 Threshold 1.1005 keV
Cross Section (barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
78
76-Os-186

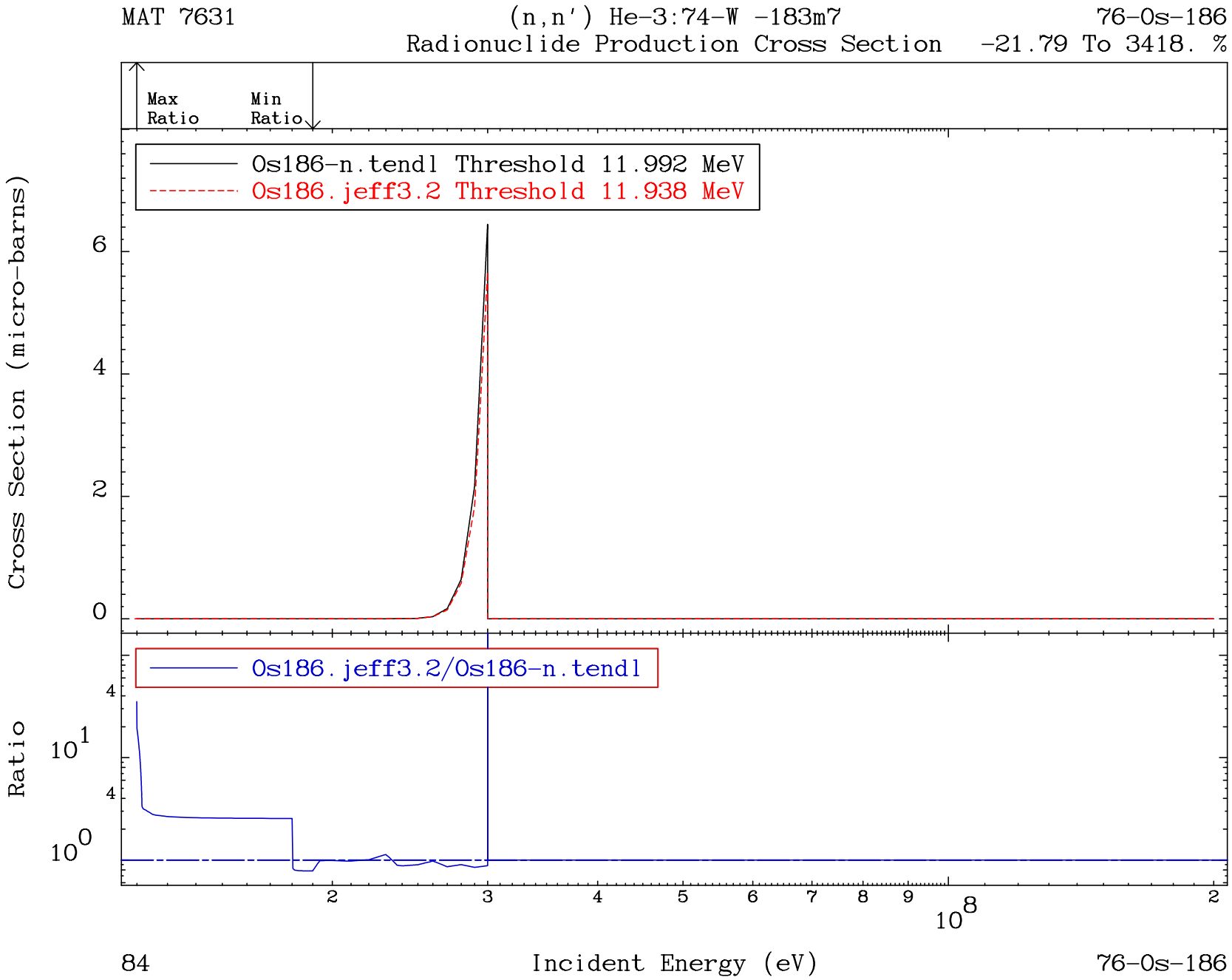

MAT 7631
Dpa inelastic (mt51-91)
Cross Section
76-0s-186
-2.564 To 118.5 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 150.00 keV
0s186.jeff3.2 Threshold 150.00 keV
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
79
76-0s-186

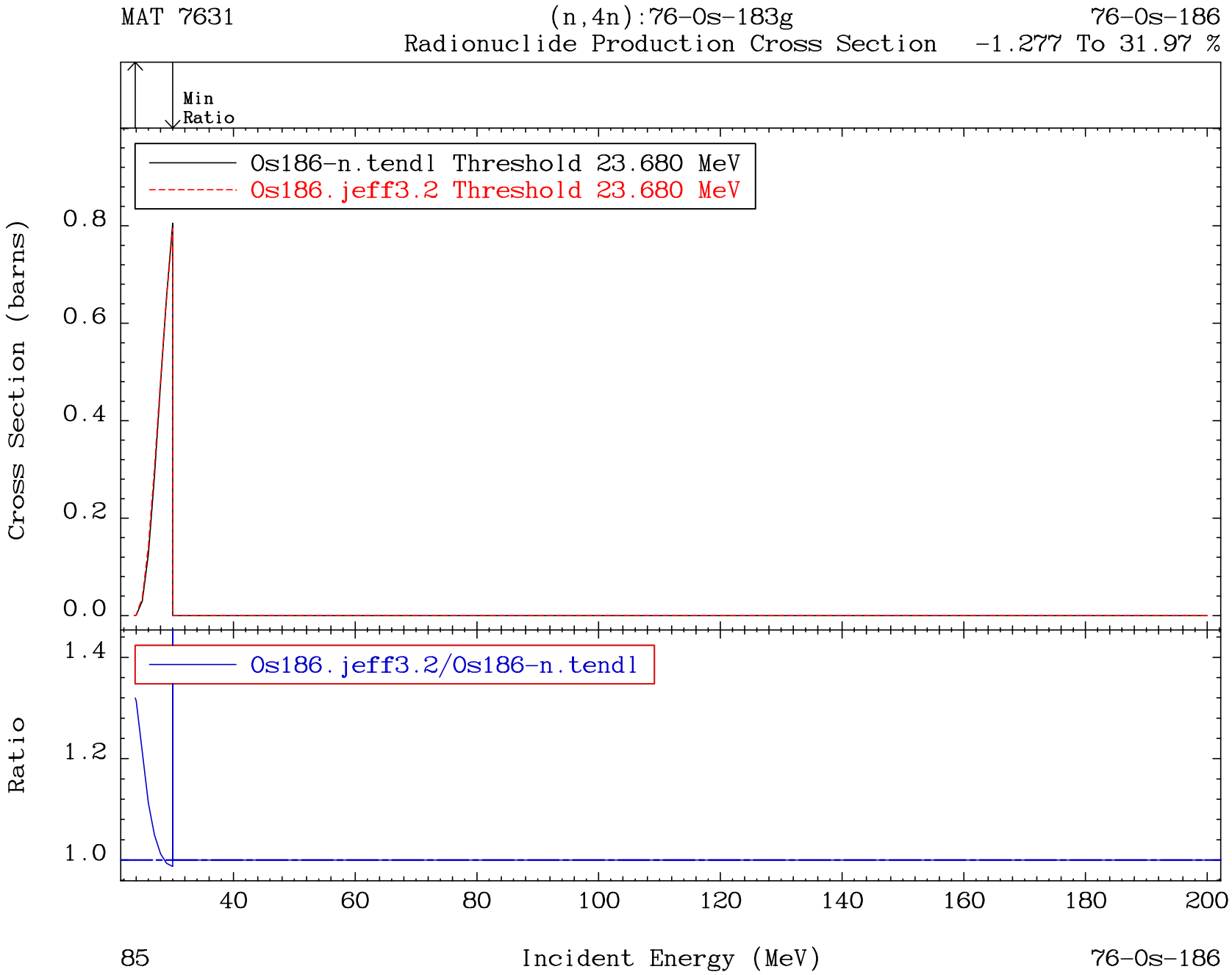

MAT 7631
Dpa disappearance (mt102 -120)
Cross Section
76-0s-186
-99.12 To 9999. %
Max Ratio
Min Ratio
0s186-n.tendl
0s186.jeff3.2
Cross Section (barns)
0s186.jeff3.2/0s186-n.tendl
Ratio
Incident Energy (eV)
80
76-0s-186

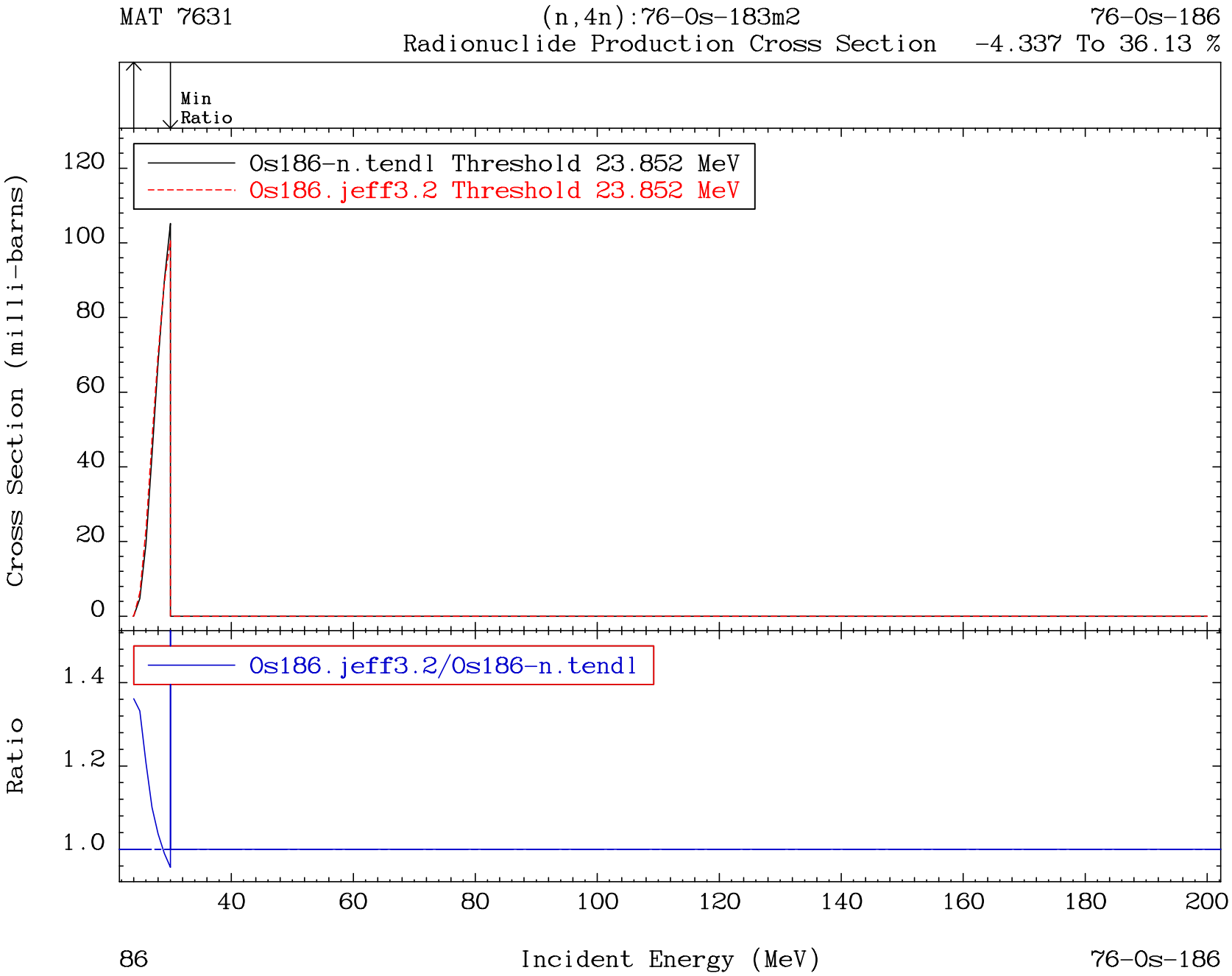

MAT 7631
(n,n') d:75-Re-184g
76-0s-186
Radionuclide Production Cross Section
-35.11 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 11.978 MeV
0s186.jeff3.2 Threshold 11.973 MeV
Cross Section (milli-barns)
0
1
2
3
4
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
76-0s-186

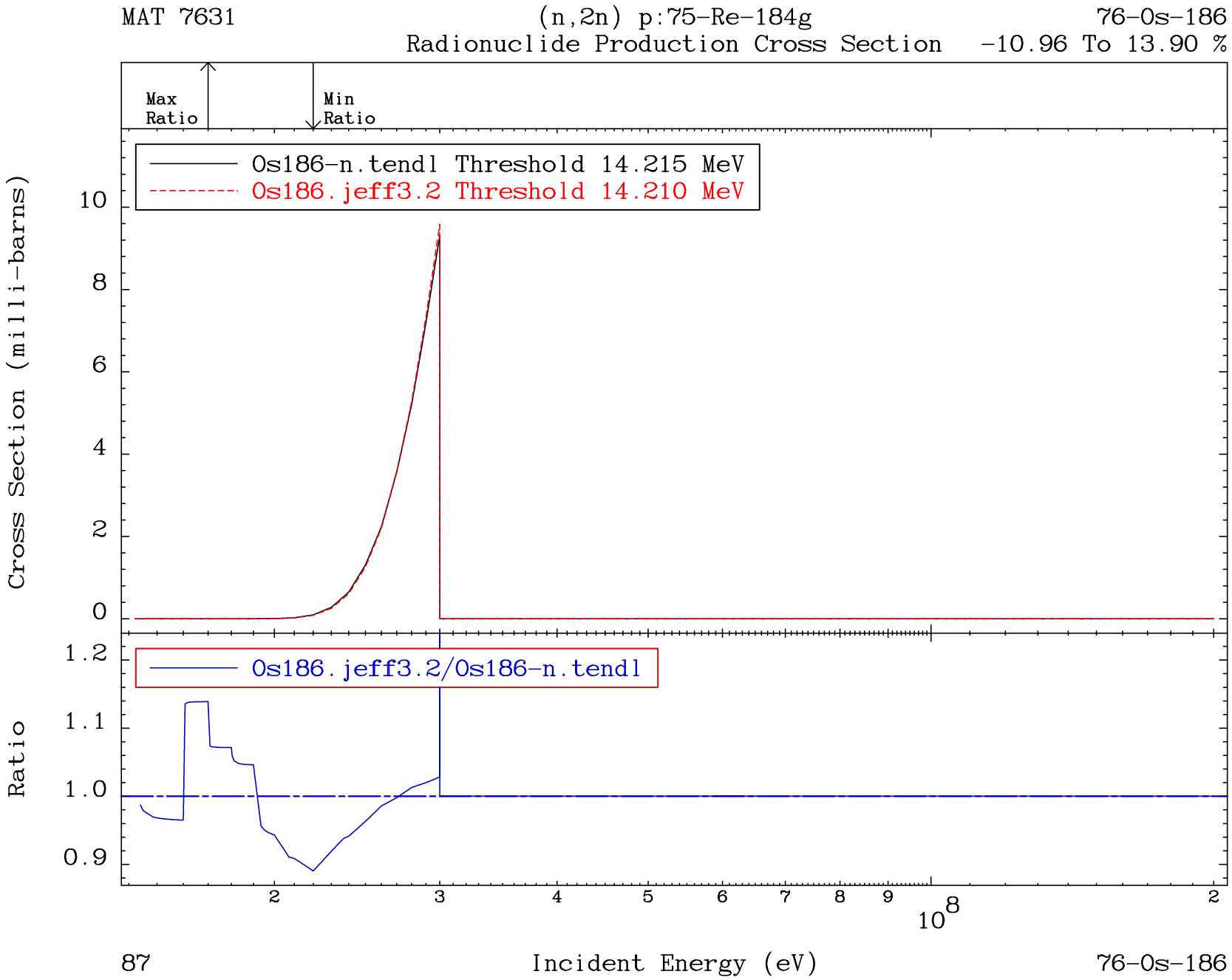

MAT 7631
(n,n') d:75-Re-184m5
76-0s-186
Radionuclide Production Cross Section -48.27 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 12.167 MeV
0s186.jeff3.2 Threshold 12.162 MeV
Cross Section (milli-barns)
0
1
2
3
4
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
76-0s-186

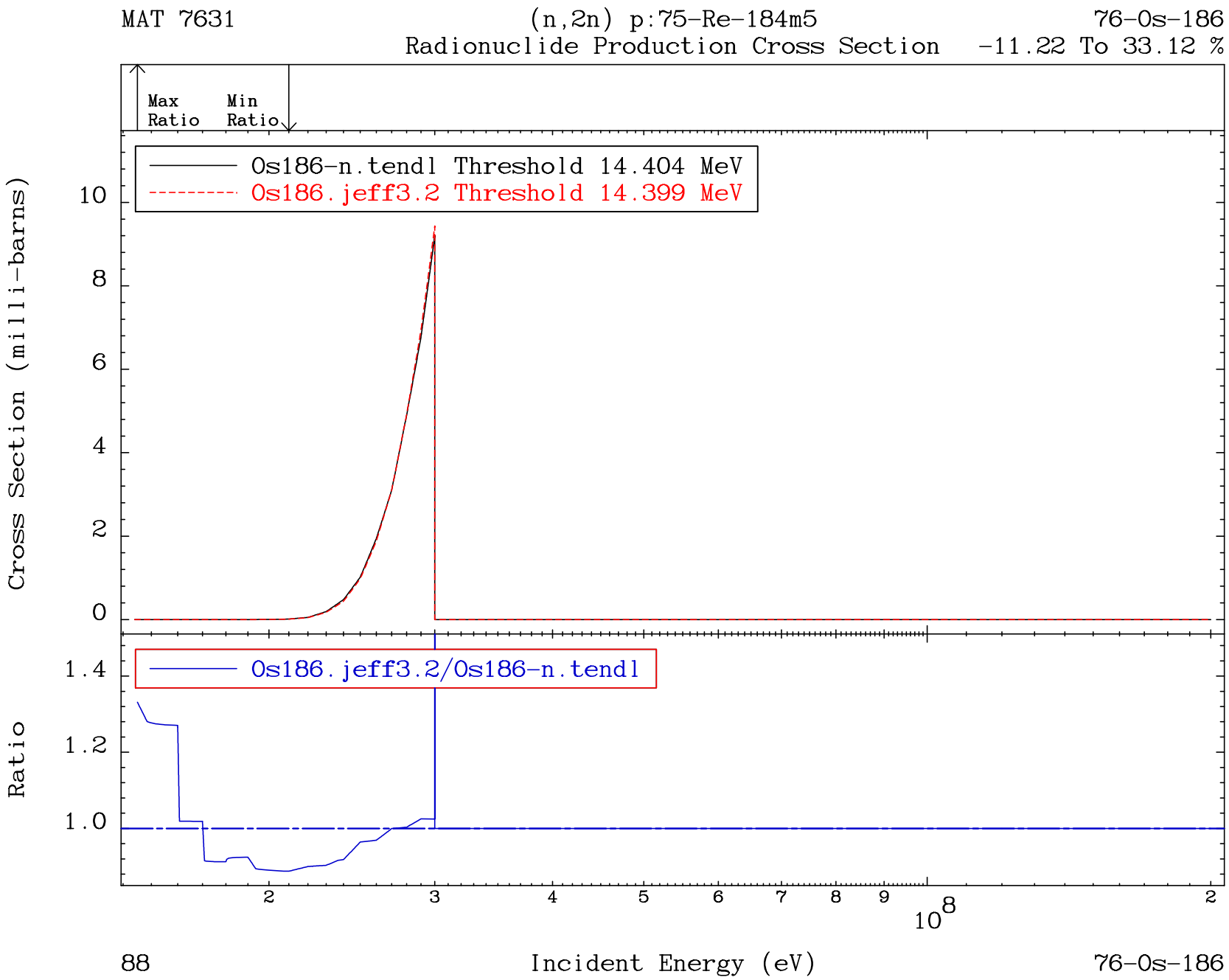

MAT 7631
(n,n') He-3:74-W -183g
76-0s-186
Radionuclide Production Cross Section -27.11 To 0.000 %
Min Ratio
Max Ratio
0s186-n.tendl Threshold 11.629 MeV
0s186.jeff3.2 Threshold 11.626 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
0s186.jeff3.2/0s186-n.tendl
Ratio
0.8
0.9
1.0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
76-0s-186

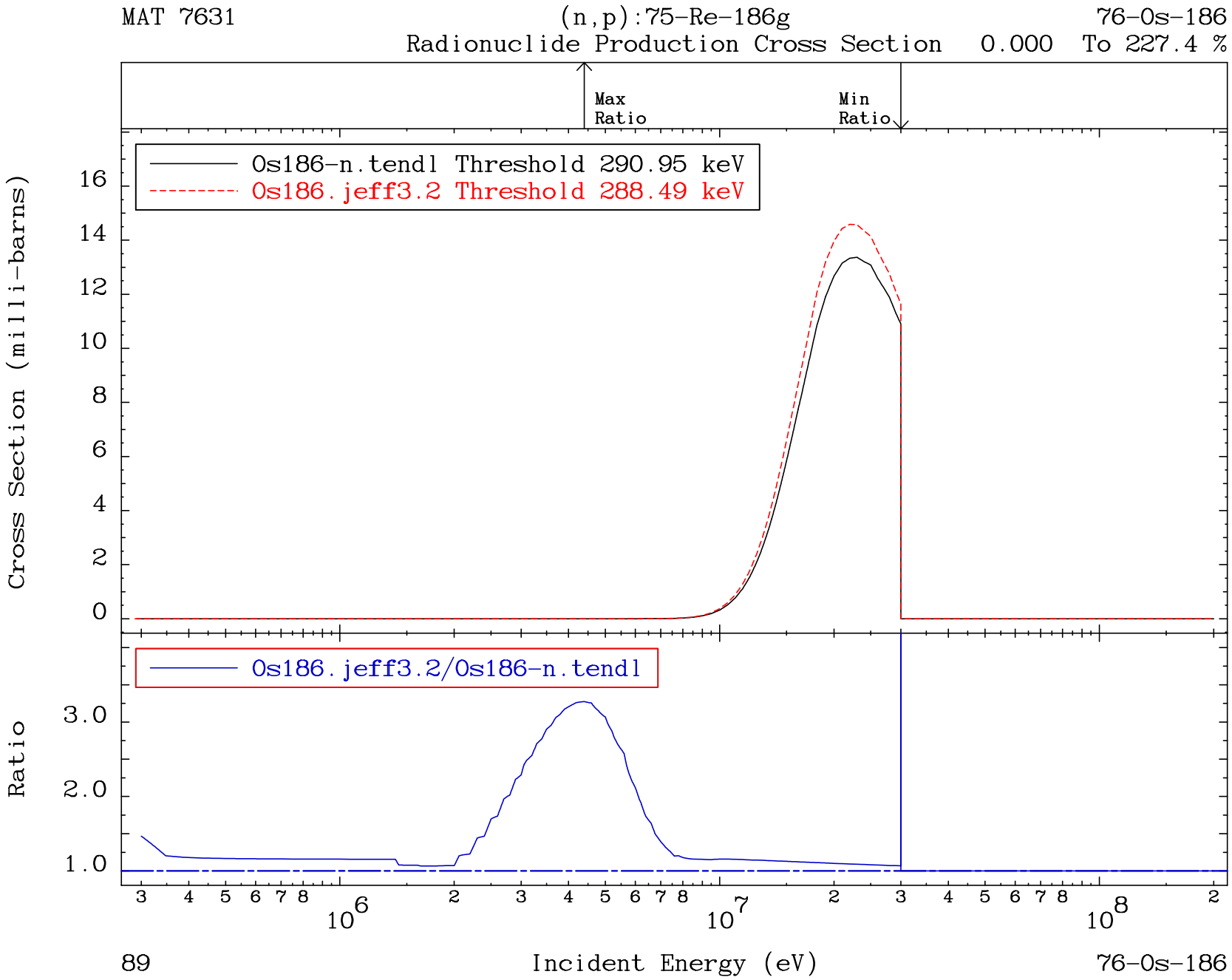

MAT 7631
(n,n') He-3:74-W -183m7
76-0s-186
Radionuclide Production Cross Section -21.79 To 3418. %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 11.992 MeV
0s186.jeff3.2 Threshold 11.938 MeV
Cross Section (micro-barns)
0
2
4
6
0s186.jeff3.2/0s186-n.tendl
Ratio
10^0
10^1
2
3
4
5
6
7
8
9
10^8
84
Incident Energy (eV)
76-0s-186

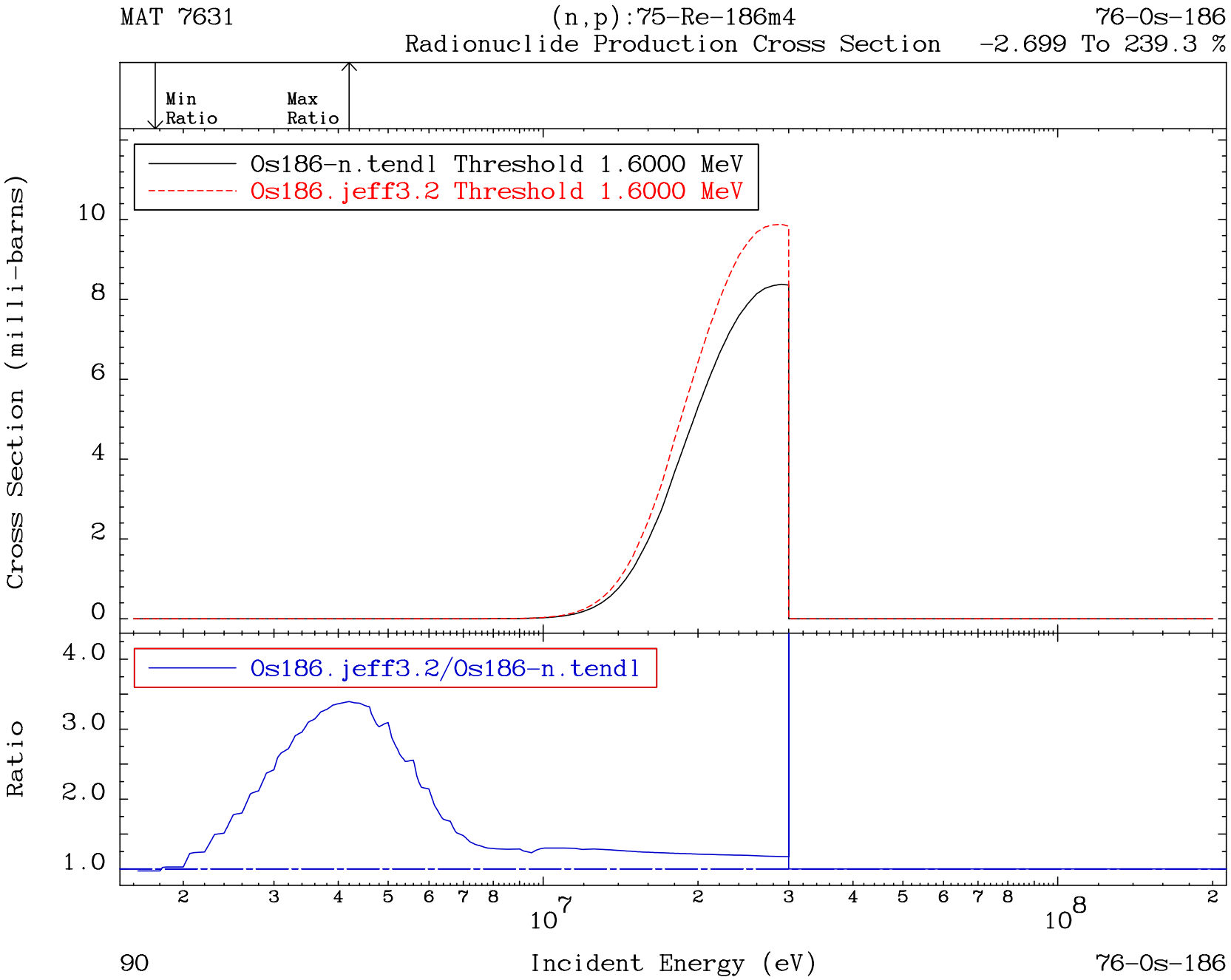

MAT 7631
(n,4n):76-0s-183g
76-0s-186
Radionuclide Production Cross Section -1.277 To 31.97 %
Min Ratio
0s186-n.tendl Threshold 23.680 MeV
0s186.jeff3.2 Threshold 23.680 MeV
Cross Section (barns)
0.0
0.2
0.4
0.6
0.8
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
1.2
1.4
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
76-0s-186

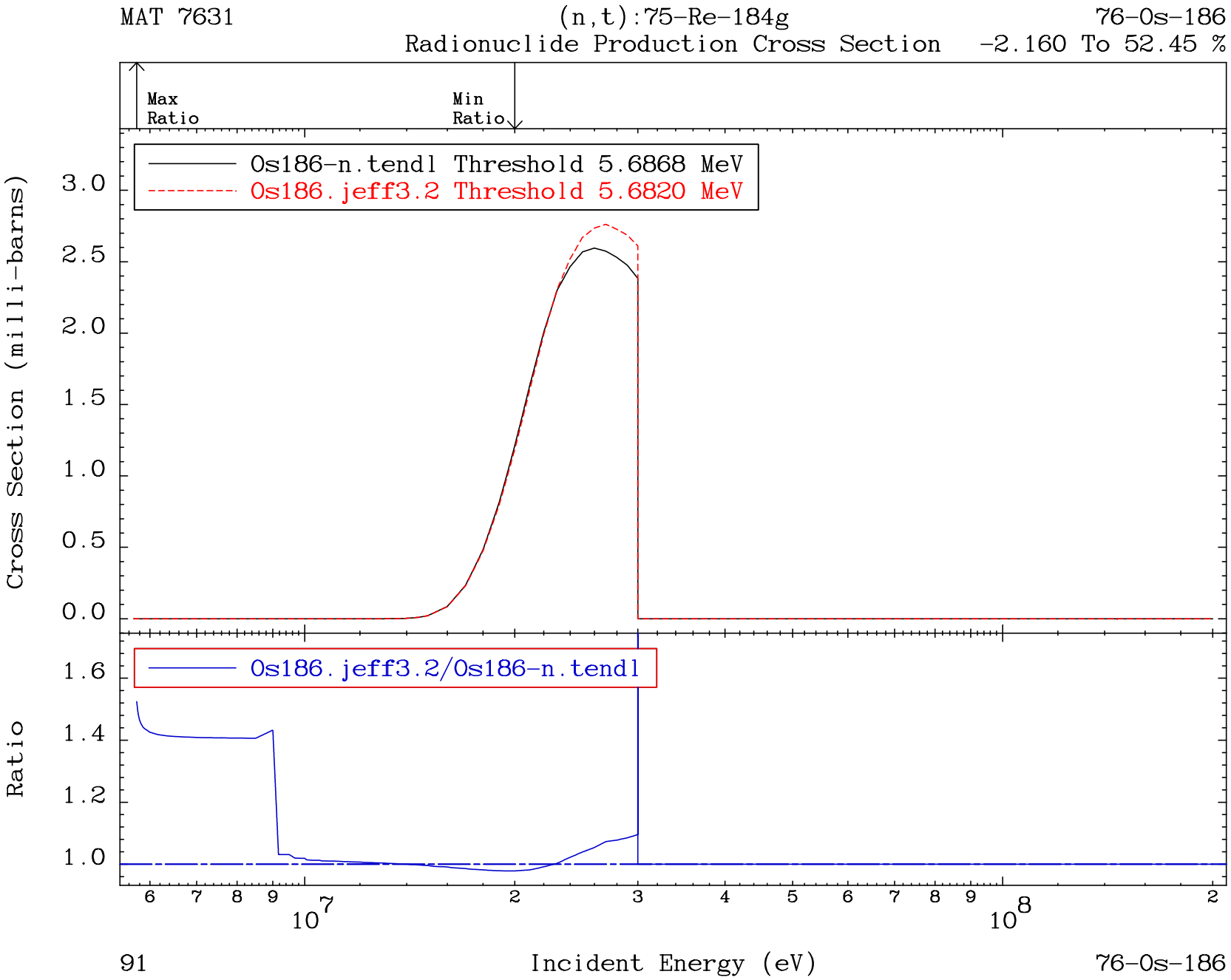

MAT 7631
(n,4n):76-Os-183m2
76-Os-186
Radionuclide Production Cross Section -4.337 To 36.13 %
Min Ratio
Os186-n.tendl Threshold 23.852 MeV
Os186.jeff3.2 Threshold 23.852 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Os186.jeff3.2/Os186-n.tendl
Ratio
1.4
1.2
1.0
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
76-Os-186

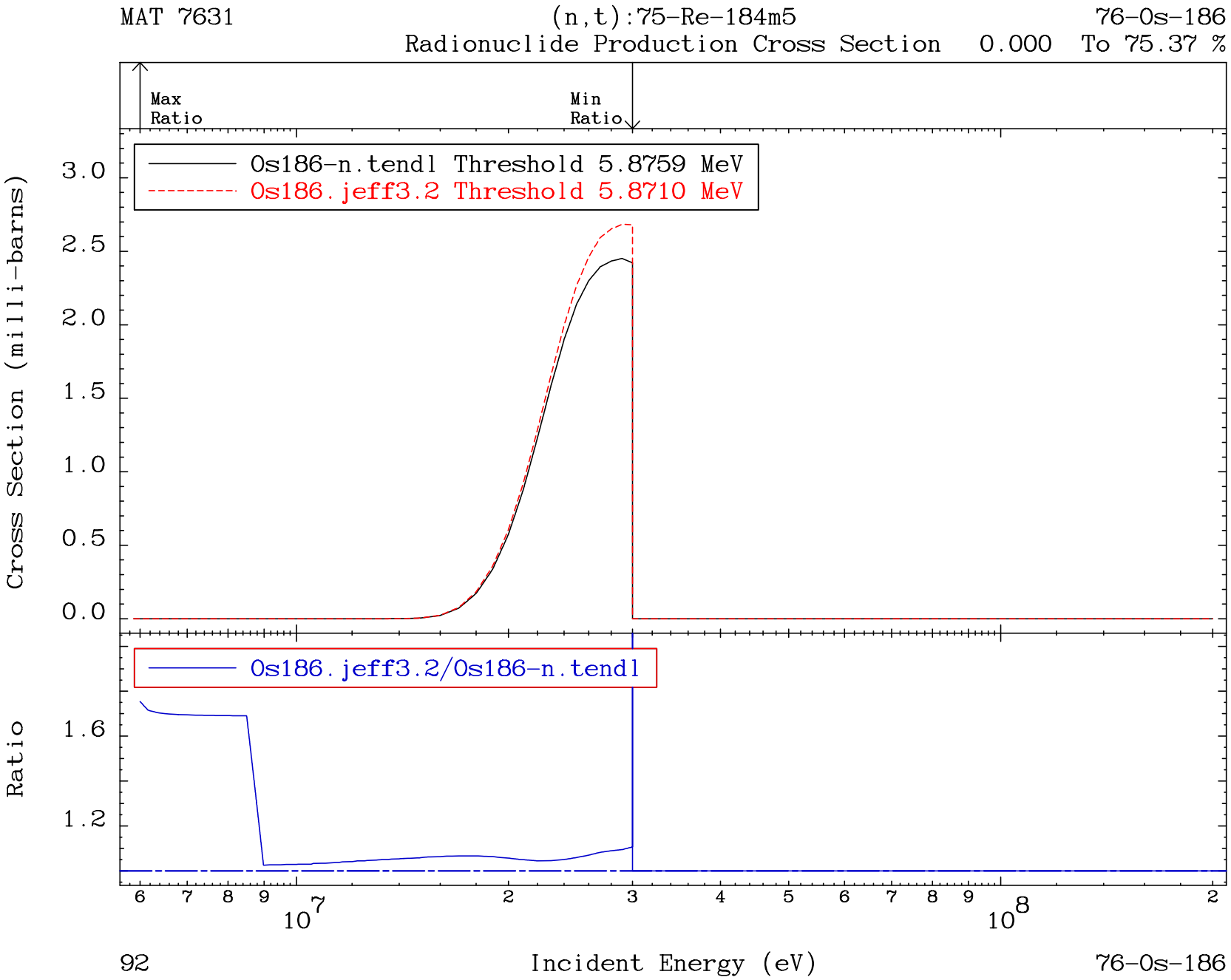

MAT 7631
(n,2n) p:75-Re-184g
76-Os-186
Radionuclide Production Cross Section -10.96 To 13.90 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 14.215 MeV
Os186.jeff3.2 Threshold 14.210 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
Os186.jeff3.2/Os186-n.tendl
Ratio
0.9
1.0
1.1
1.2
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
76-Os-186

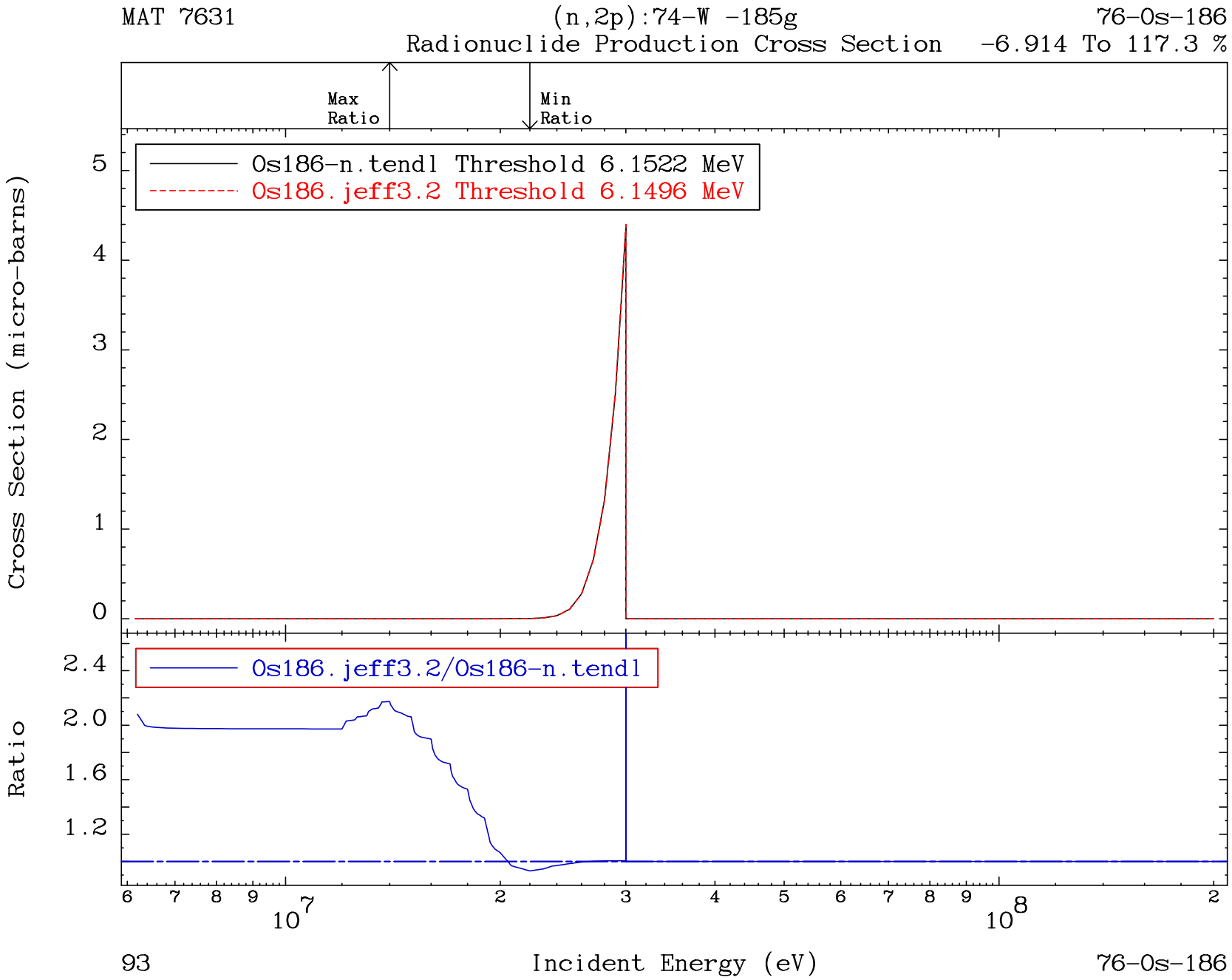

MAT 7631
(n,2n) p:75-Re-184m5
76-Os-186
Radionuclide Production Cross Section -11.22 To 33.12 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 14.404 MeV
Os186.jeff3.2 Threshold 14.399 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
Os186.jeff3.2/Os186-n.tendl
Ratio
1.0
1.2
1.4
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
76-Os-186

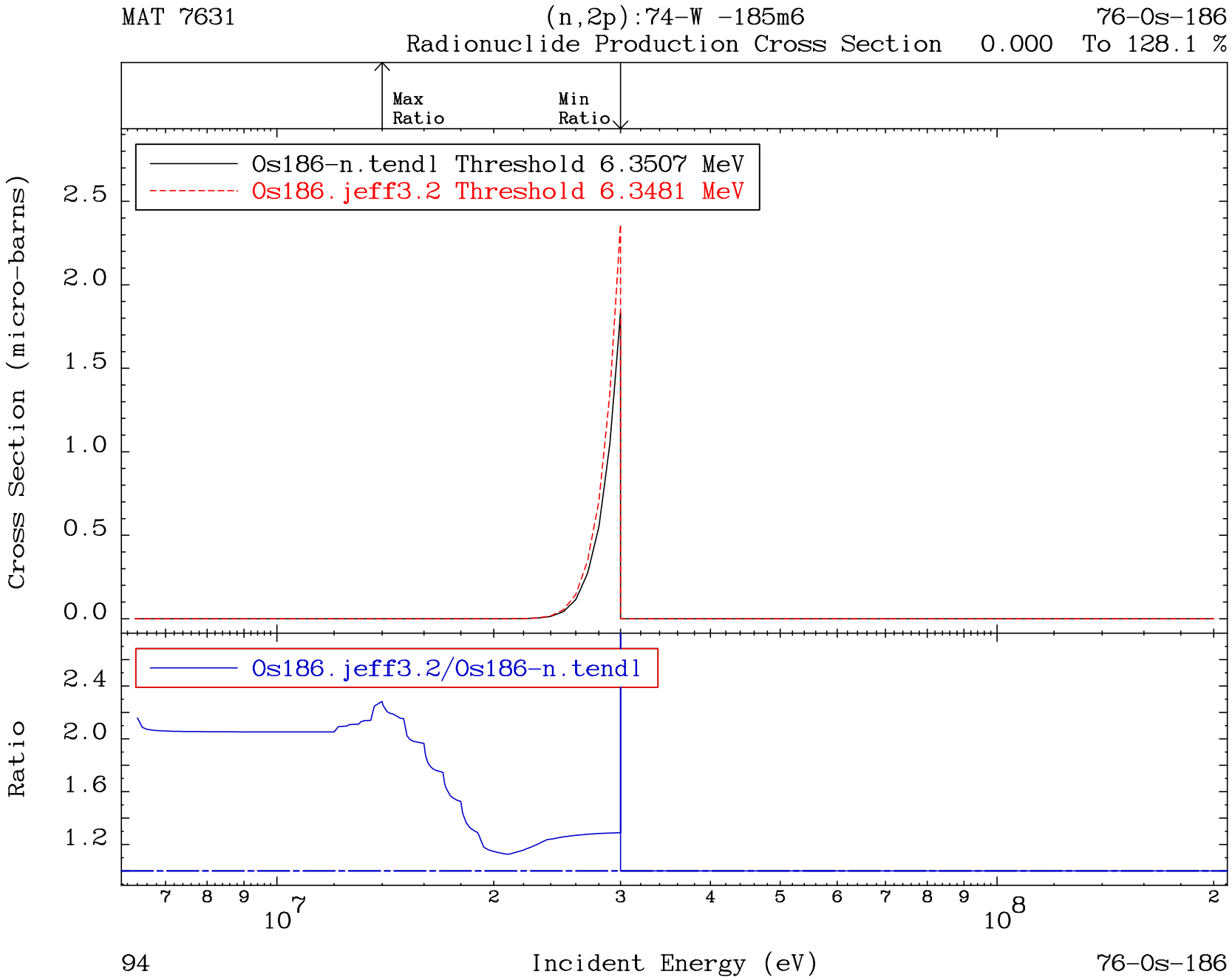

MAT 7631
(n,p):75-Re-186g
76-Os-186
Radionuclide Production Cross Section 0.000 To 227.4 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 290.95 keV
Os186.jeff3.2 Threshold 288.49 keV
Cross Section (milli-barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
89
76-Os-186

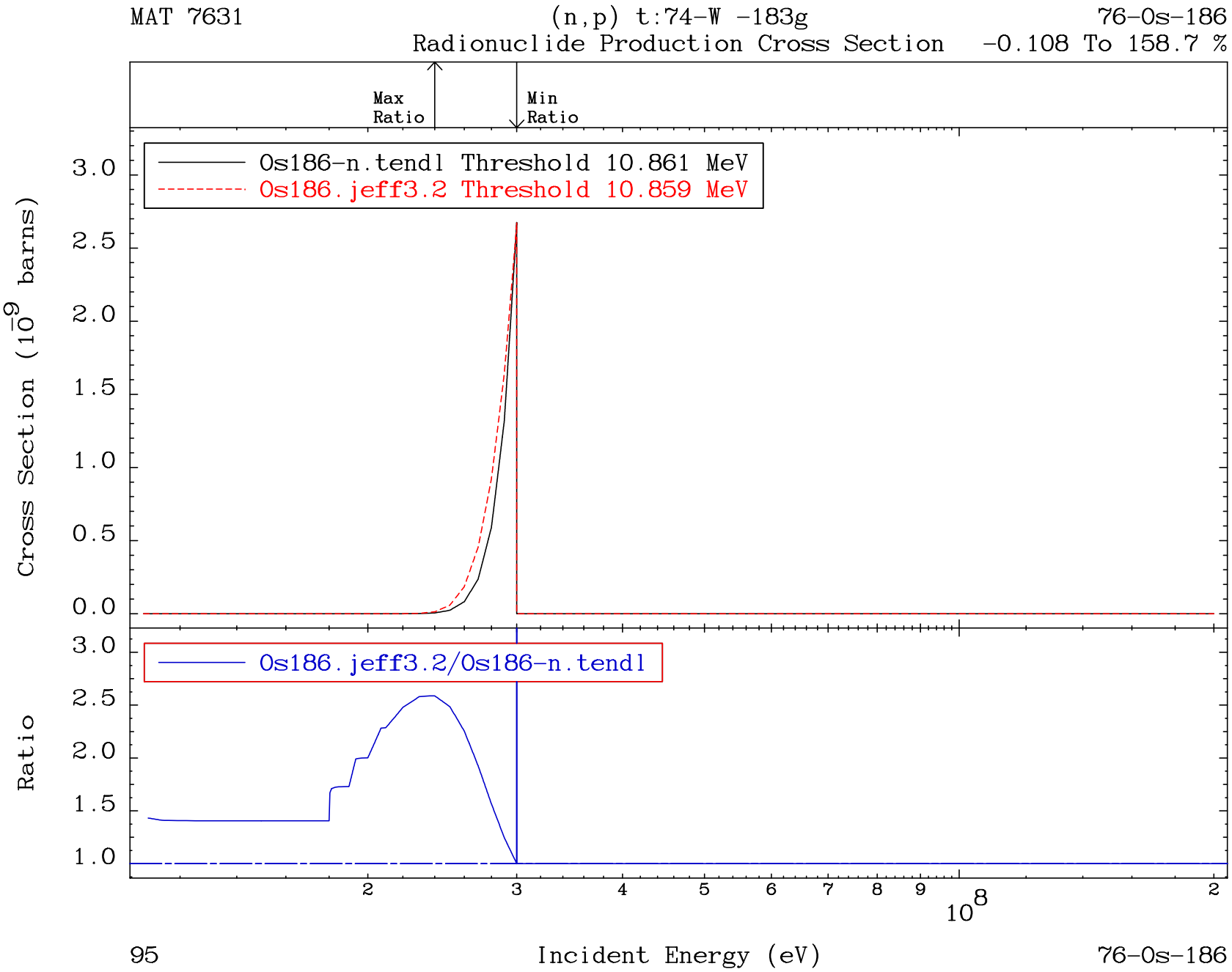

MAT 7631
(n,p):75-Re-186m4
76-Os-186
Radionuclide Production Cross Section -2.699 To 239.3 %
Min Ratio
Max Ratio
Os186-n.tendl Threshold 1.6000 MeV
Os186.jeff3.2 Threshold 1.6000 MeV
Cross Section (milli-barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
90
76-Os-186

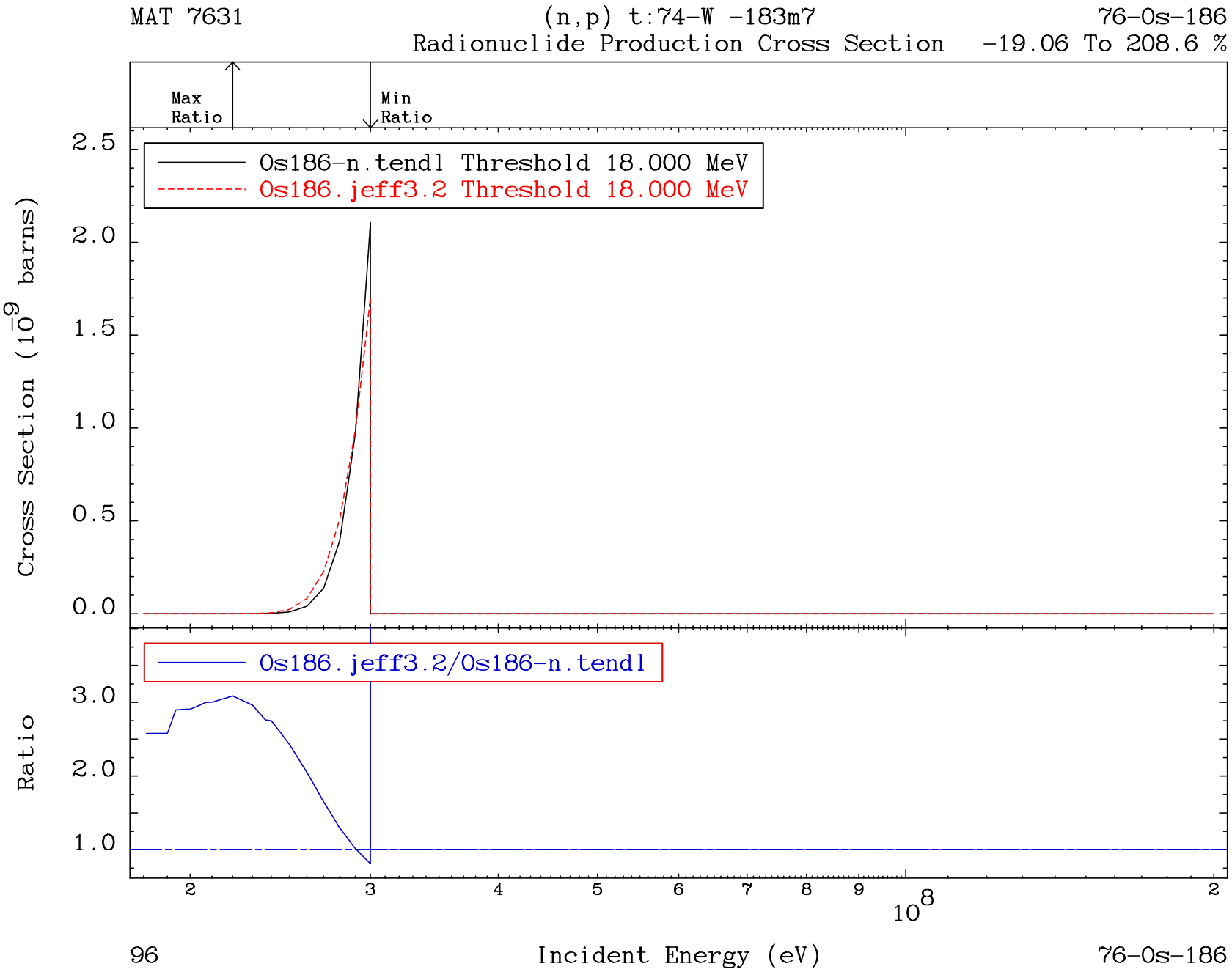

MAT 7631
(n,t):75-Re-184g
76-0s-186
Radionuclide Production Cross Section
-2.160 To 52.45 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 5.6868 MeV
0s186.jeff3.2 Threshold 5.6820 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.6
1.4
1.2
1.0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
91
Incident Energy (eV)
76-0s-186


MAT 7631
(n,t):75-Re-184m5
76-Os-186
Radionuclide Production Cross Section 0.000 To 75.37 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 5.8759 MeV
Os186.jeff3.2 Threshold 5.8710 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
1.6
1.2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
76-Os-186


MAT 7631
(n,2p):74-W -185g
76-Os-186
Radionuclide Production Cross Section -6.914 To 117.3 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 6.1522 MeV
Os186.jeff3.2 Threshold 6.1496 MeV
Cross Section (micro-barns)
Os186.jeff3.2/Os186-n.tendl
Ratio
Incident Energy (eV)
93
76-Os-186


MAT 7631
(n,2p):74-W -185m6
76-Os-186
Radionuclide Production Cross Section 0.000 To 128.1 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 6.3507 MeV
Os186.jeff3.2 Threshold 6.3481 MeV
Cross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
2.4
2.0
1.6
1.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
94
Incident Energy (eV)
76-Os-186


MAT 7631
(n,p) t:74-W -183g
76-0s-186
Radionuclide Production Cross Section -0.108 To 158.7 %
Max Ratio
Min Ratio
0s186-n.tendl Threshold 10.861 MeV
0s186.jeff3.2 Threshold 10.859 MeV
Cross Section (10^{-9} barns)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0s186.jeff3.2/0s186-n.tendl
Ratio
1.0
1.5
2.0
2.5
3.0
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
76-0s-186


MAT 7631
(n,p) t:74-W -183m7
76-Os-186
Radionuclide Production Cross Section -19.06 To 208.6 %
Max Ratio
Min Ratio
Os186-n.tendl Threshold 18.000 MeV
Os186.jeff3.2 Threshold 18.000 MeV
Cross Section (10^{-9} barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os186.jeff3.2/Os186-n.tendl
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
76-Os-186