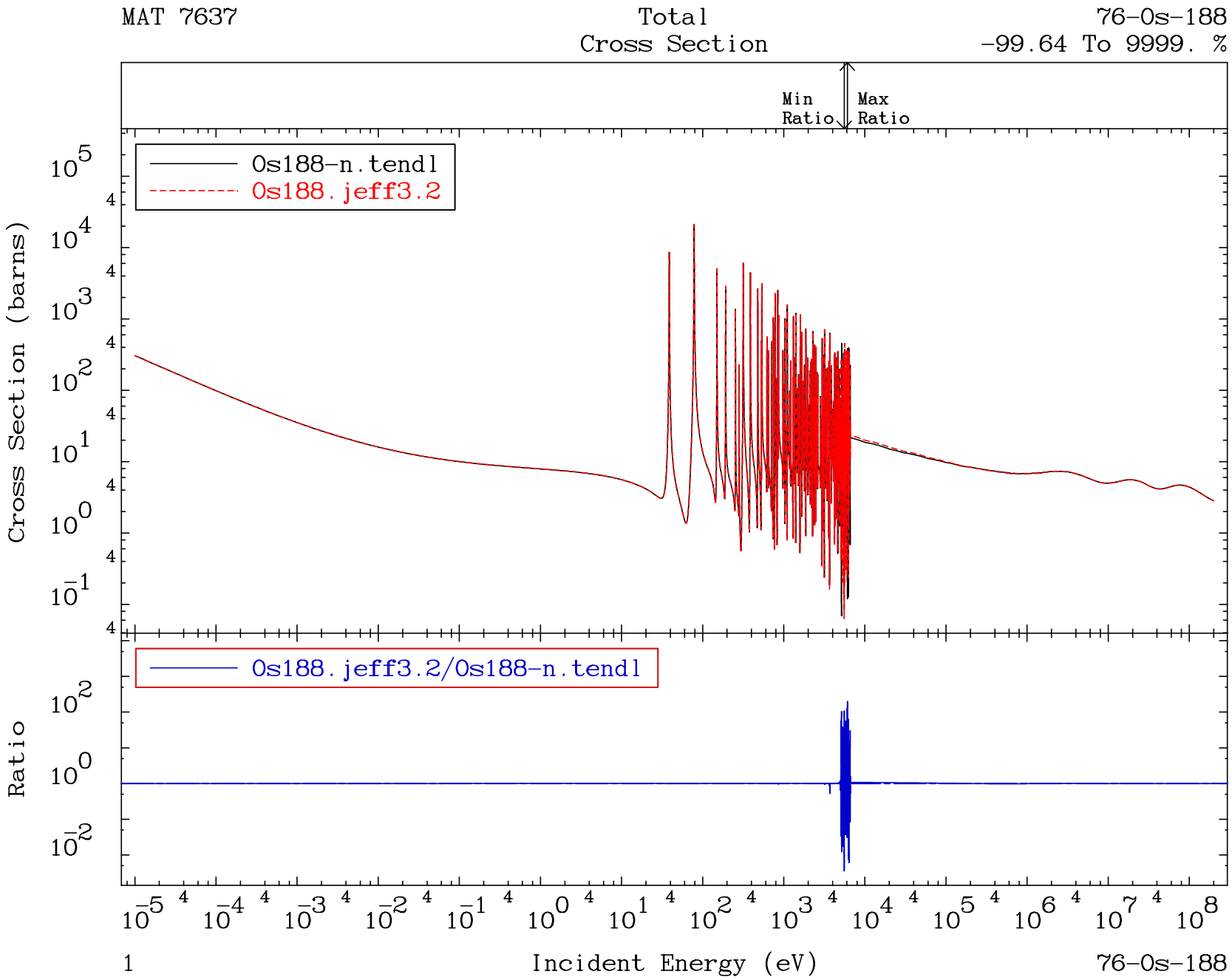
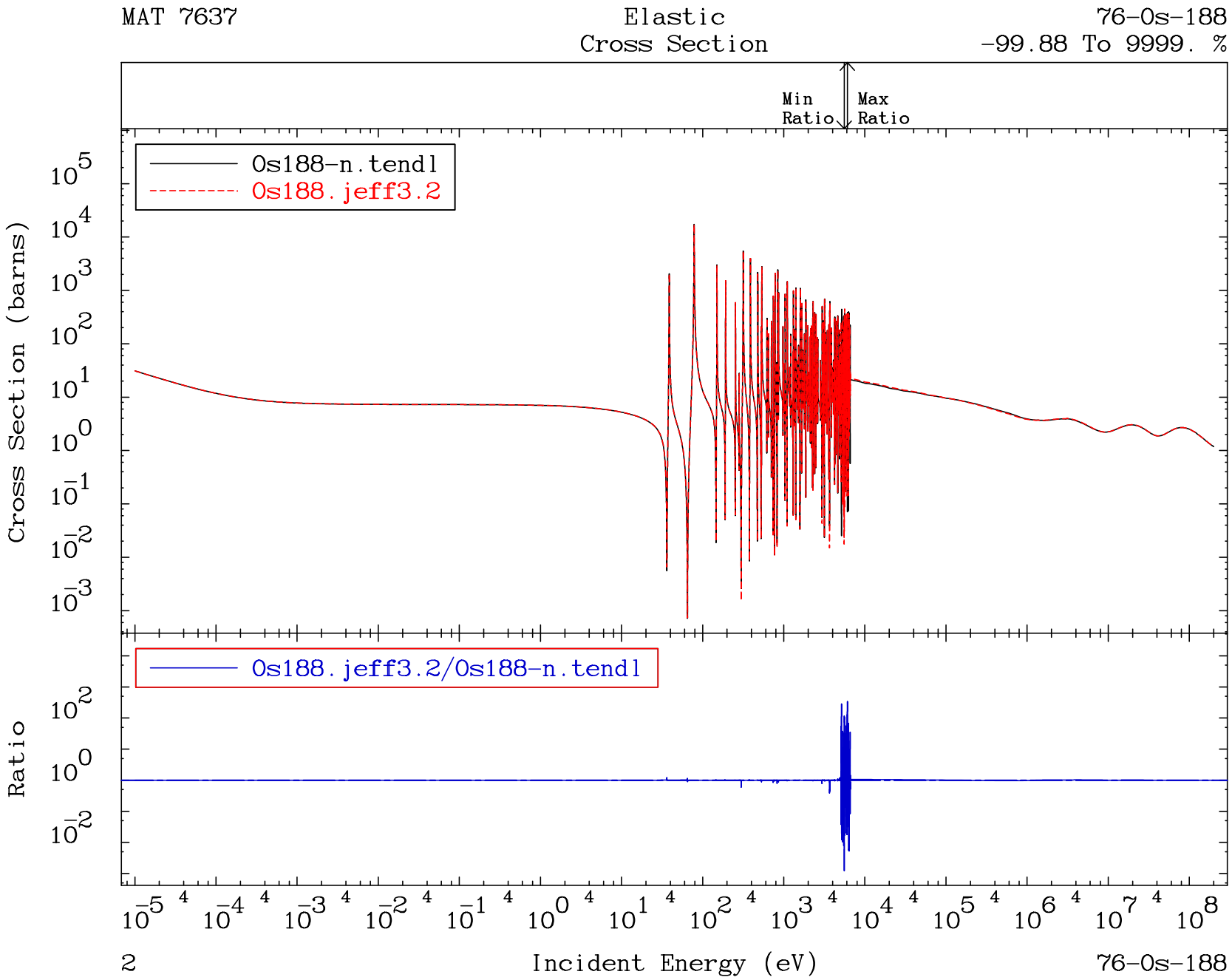
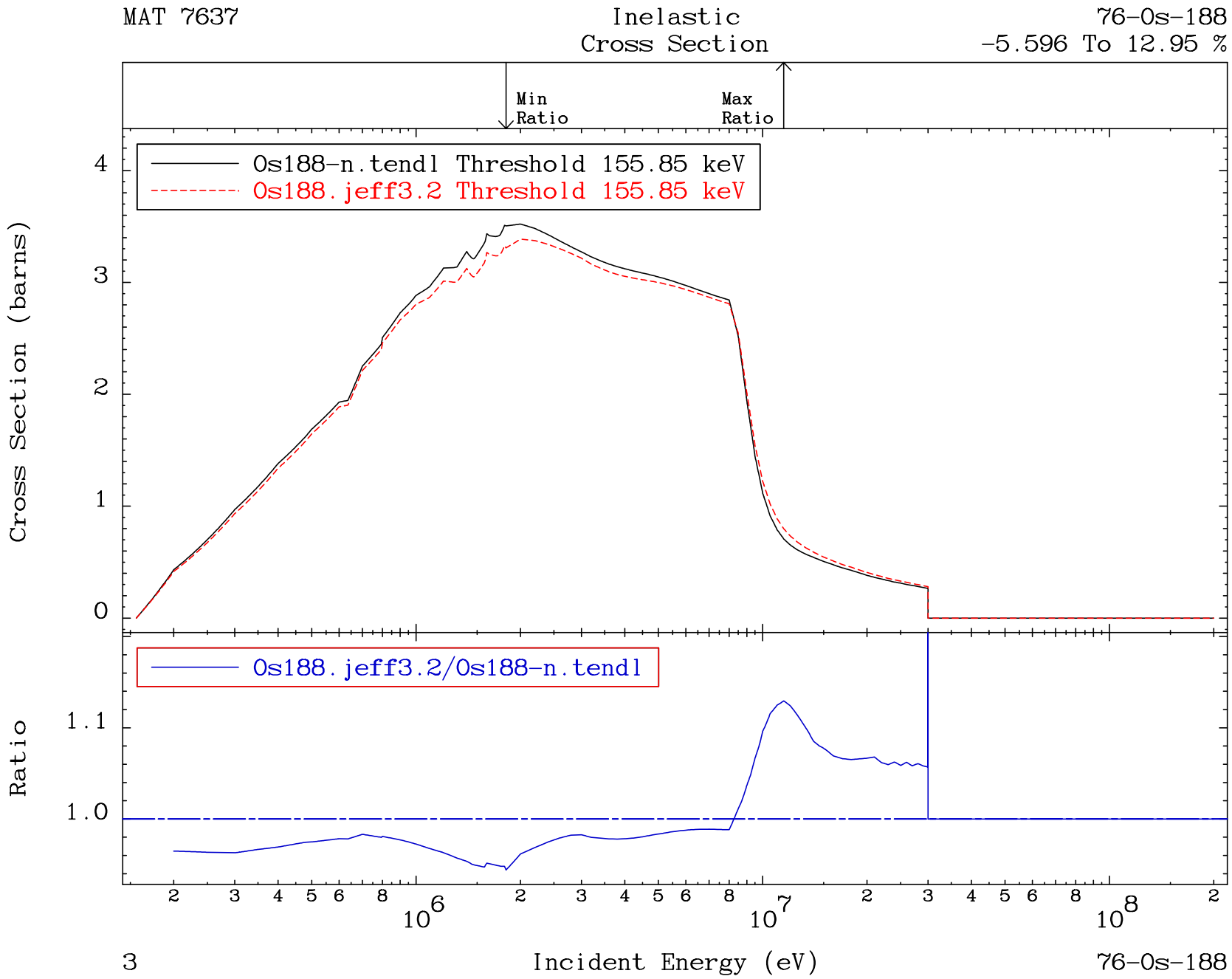
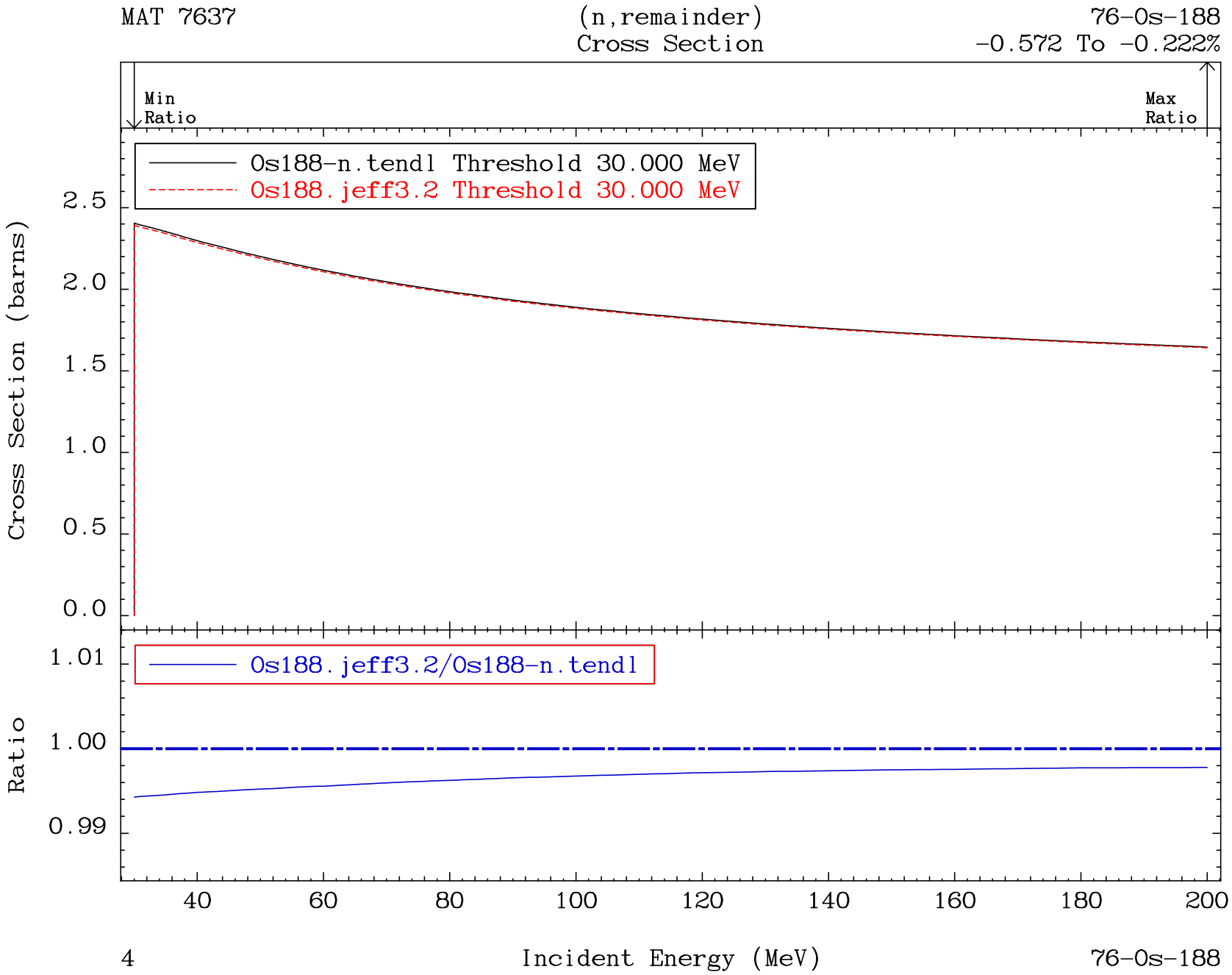
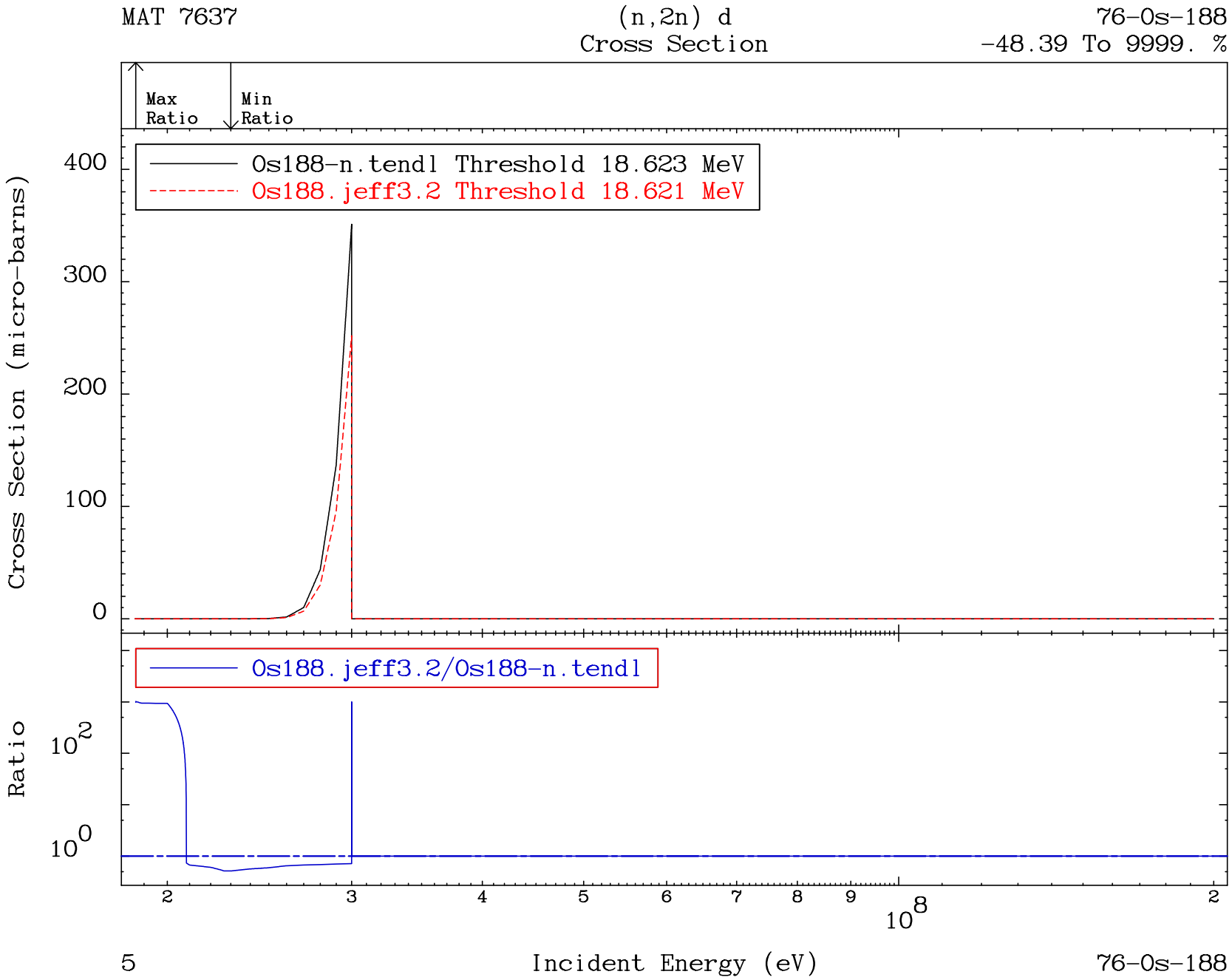
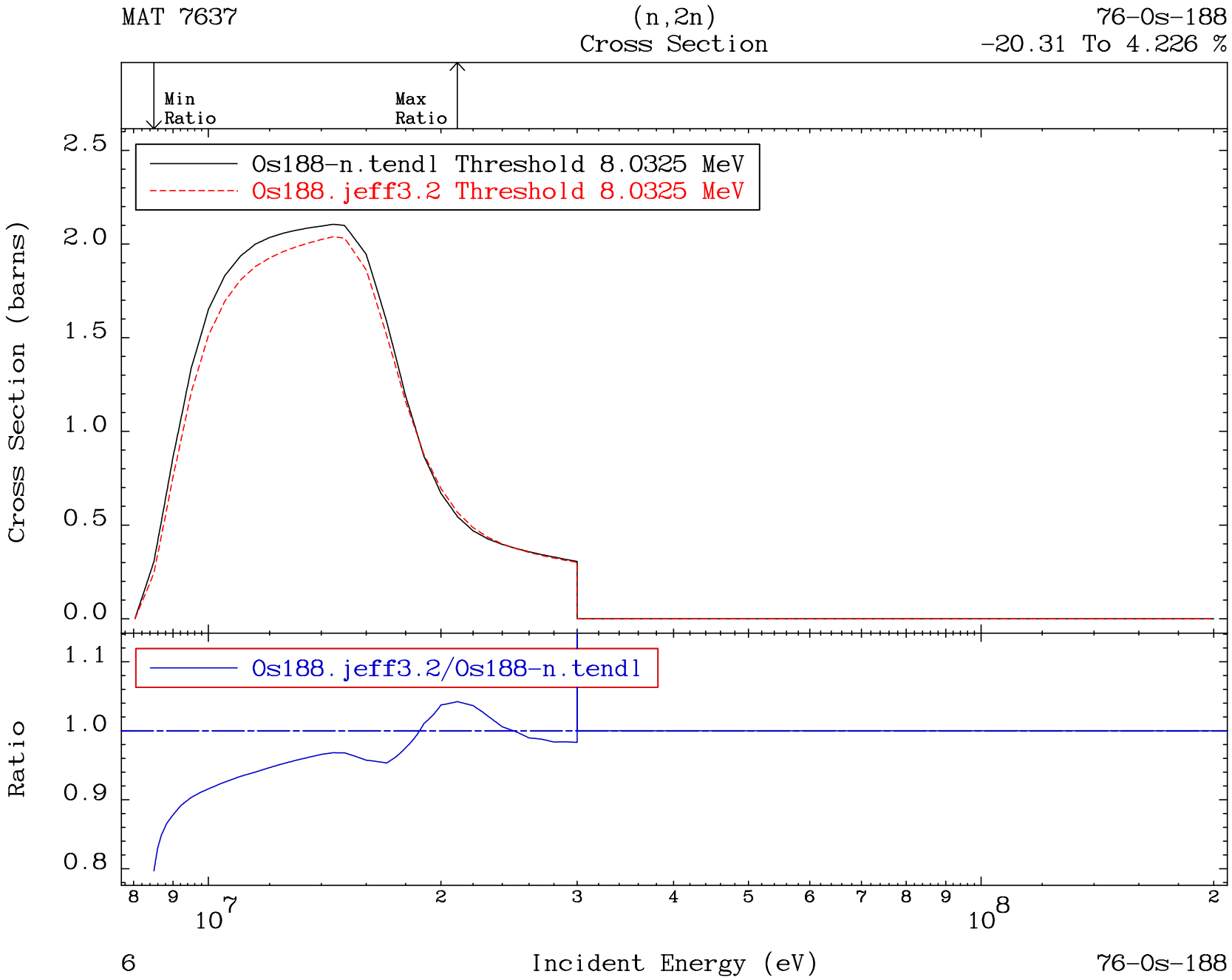

MAT 7637
Total
Cross Section
76-0s-188
-99.64 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jeff3.2
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
1
76-0s-188

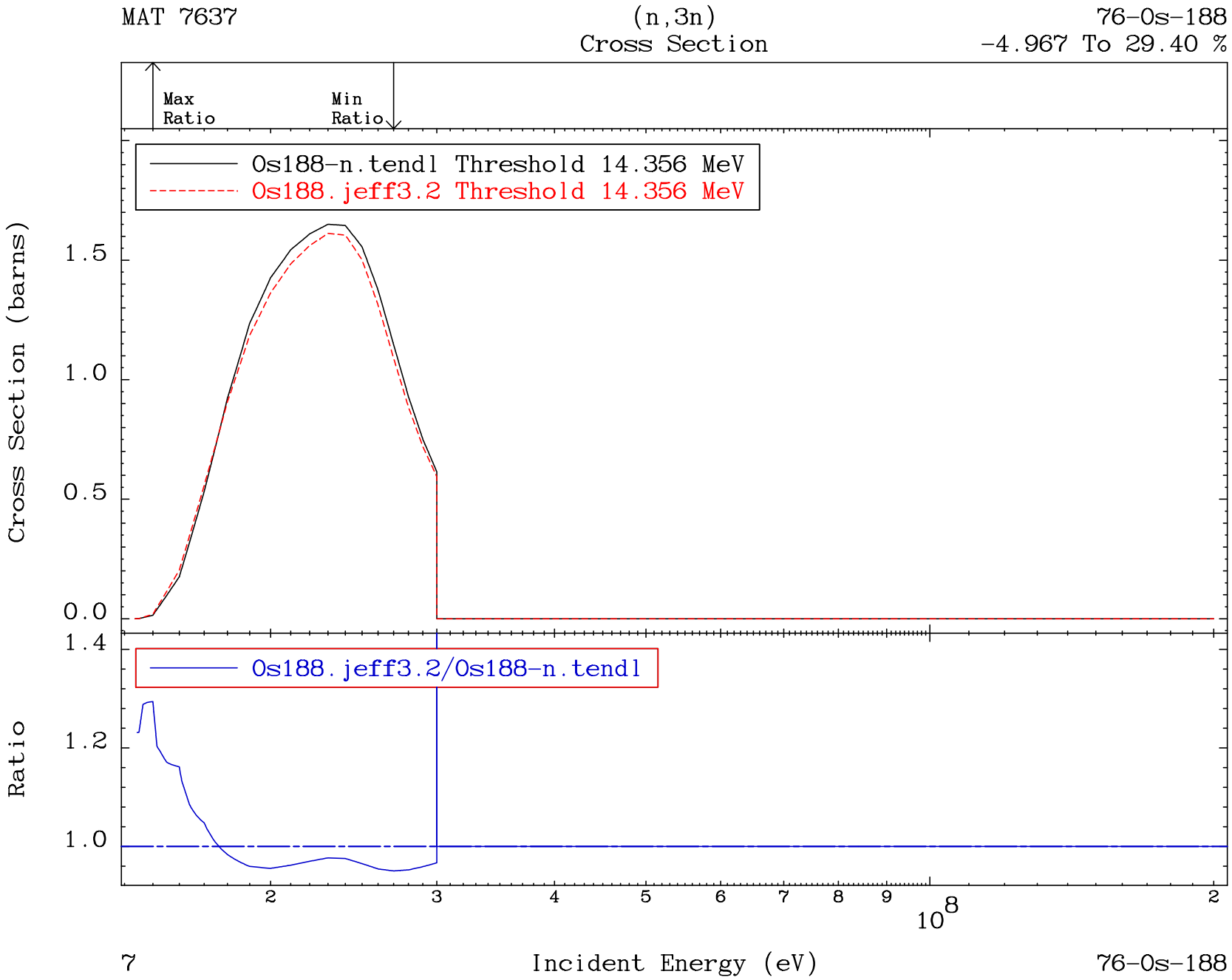

MAT 7637
Elastic
Cross Section
76-0s-188
-99.88 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jeff3.2
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
2
76-0s-188

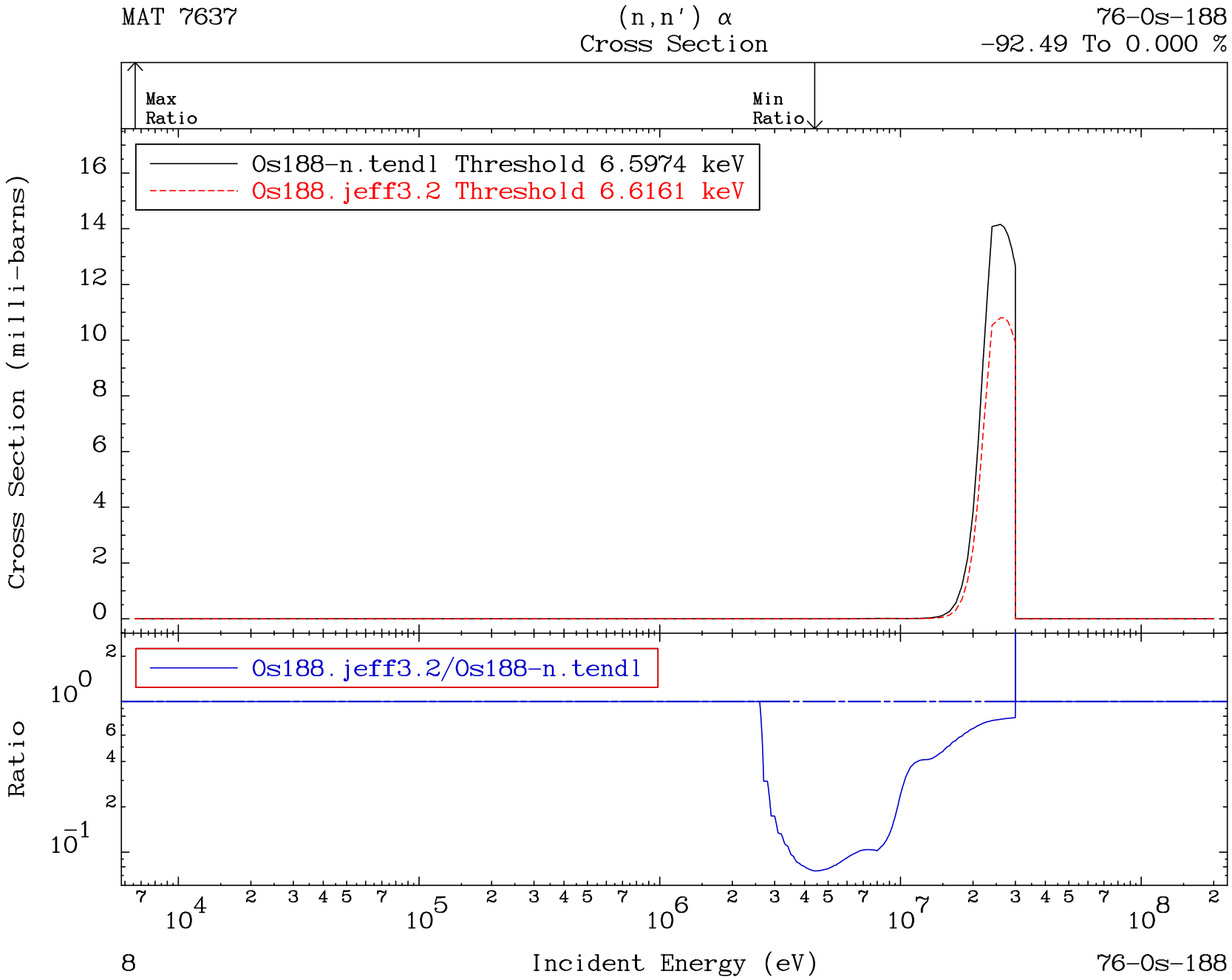

MAT 7637
Inelastic
Cross Section
76-0s-188
-5.596 To 12.95 %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jeff3.2 Threshold 155.85 keV
Cross Section (barns)
0
1
2
3
4
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
1.1
2
3
4
5
6
8
10^6
10^7
10^8
3
Incident Energy (eV)
76-0s-188

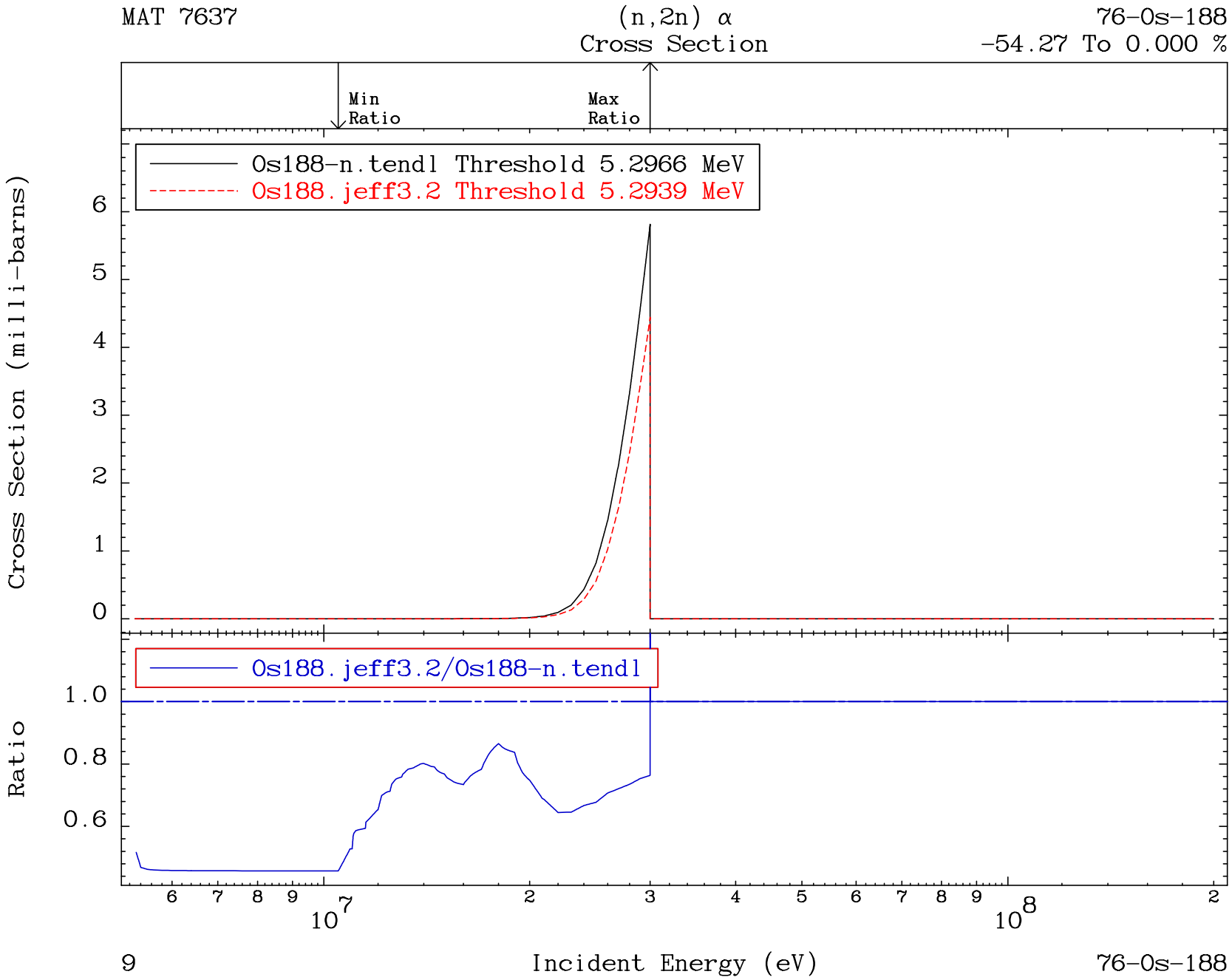

MAT 7637
(n,remainder)
Cross Section
76-Os-188
-0.572 To -0.222%
Min
Ratio
Max
Ratio
Os188-n.tendl Threshold 30.000 MeV
Os188.jeff3.2 Threshold 30.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
76-Os-188

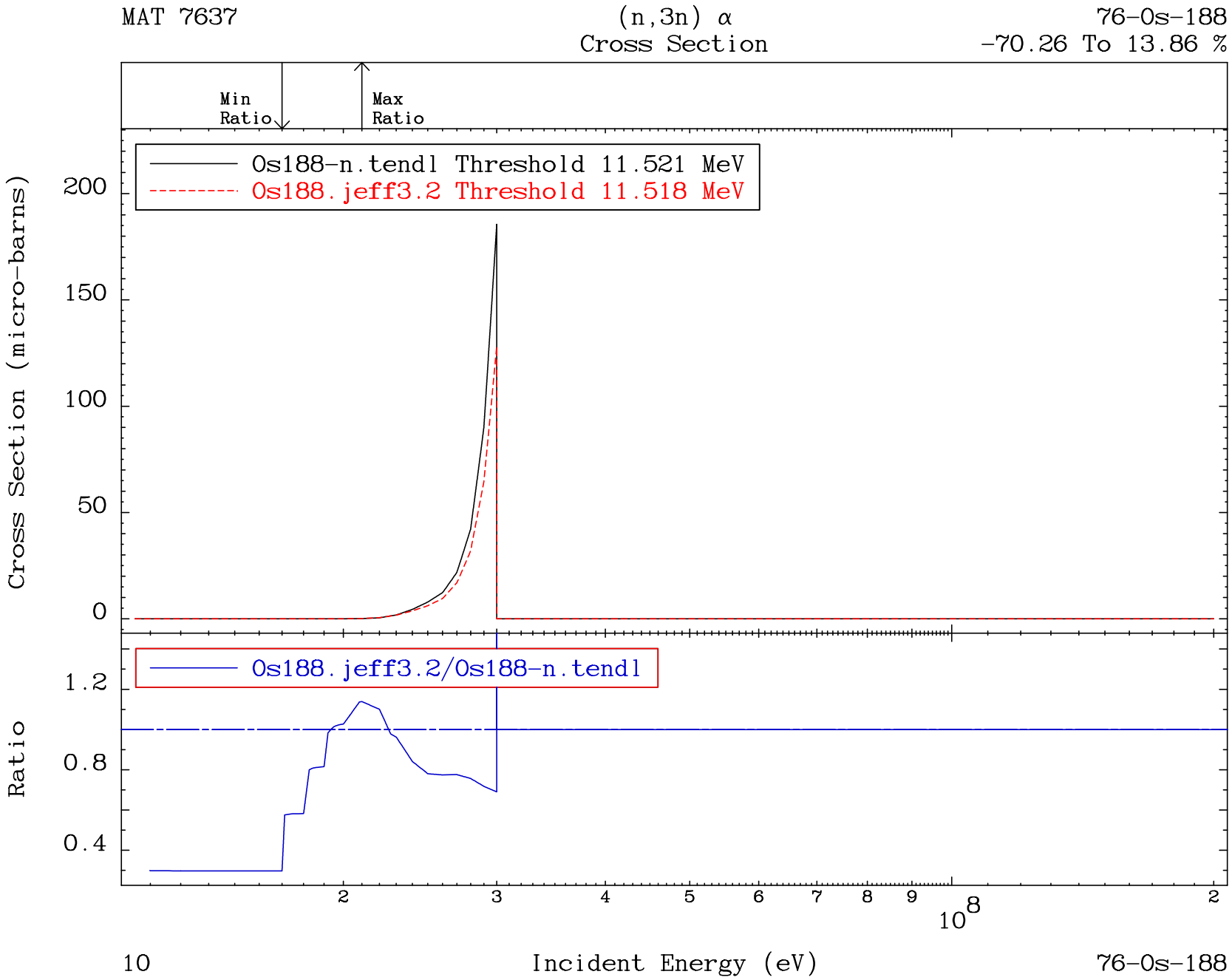

MAT 7637
(n,2n) d
Cross Section
76-0s-188
-48.39 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 18.623 MeV
0s188.jeff3.2 Threshold 18.621 MeV
Cross Section (micro-barns)
400
300
200
100
0
0s188.jeff3.2/0s188-n.tendl
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
76-0s-188

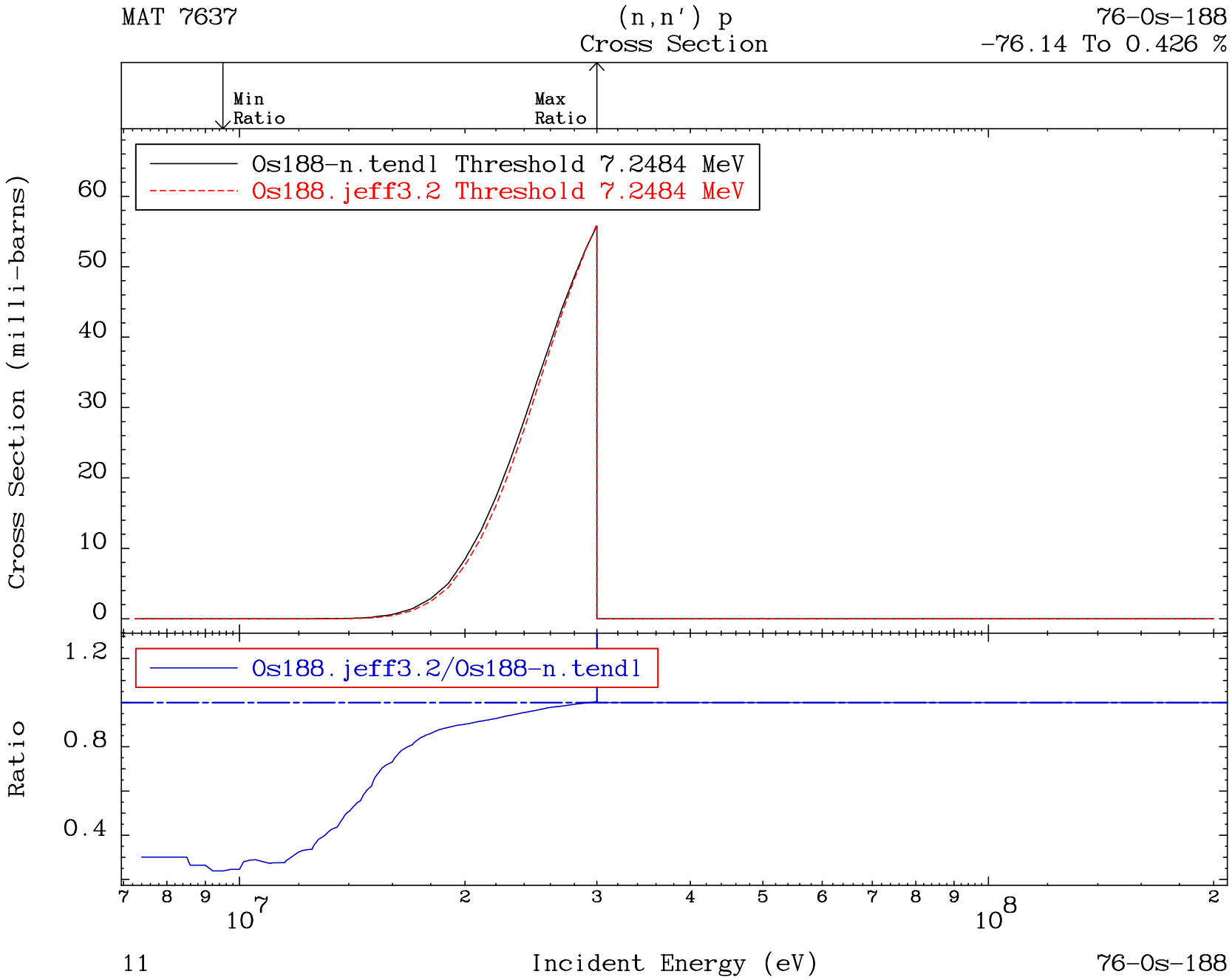

MAT 7637
(n,2n)
Cross Section
76-0s-188
-20.31 To 4.226 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 8.0325 MeV
0s188.jeff3.2 Threshold 8.0325 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.1
1.0
0.9
0.8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
76-0s-188

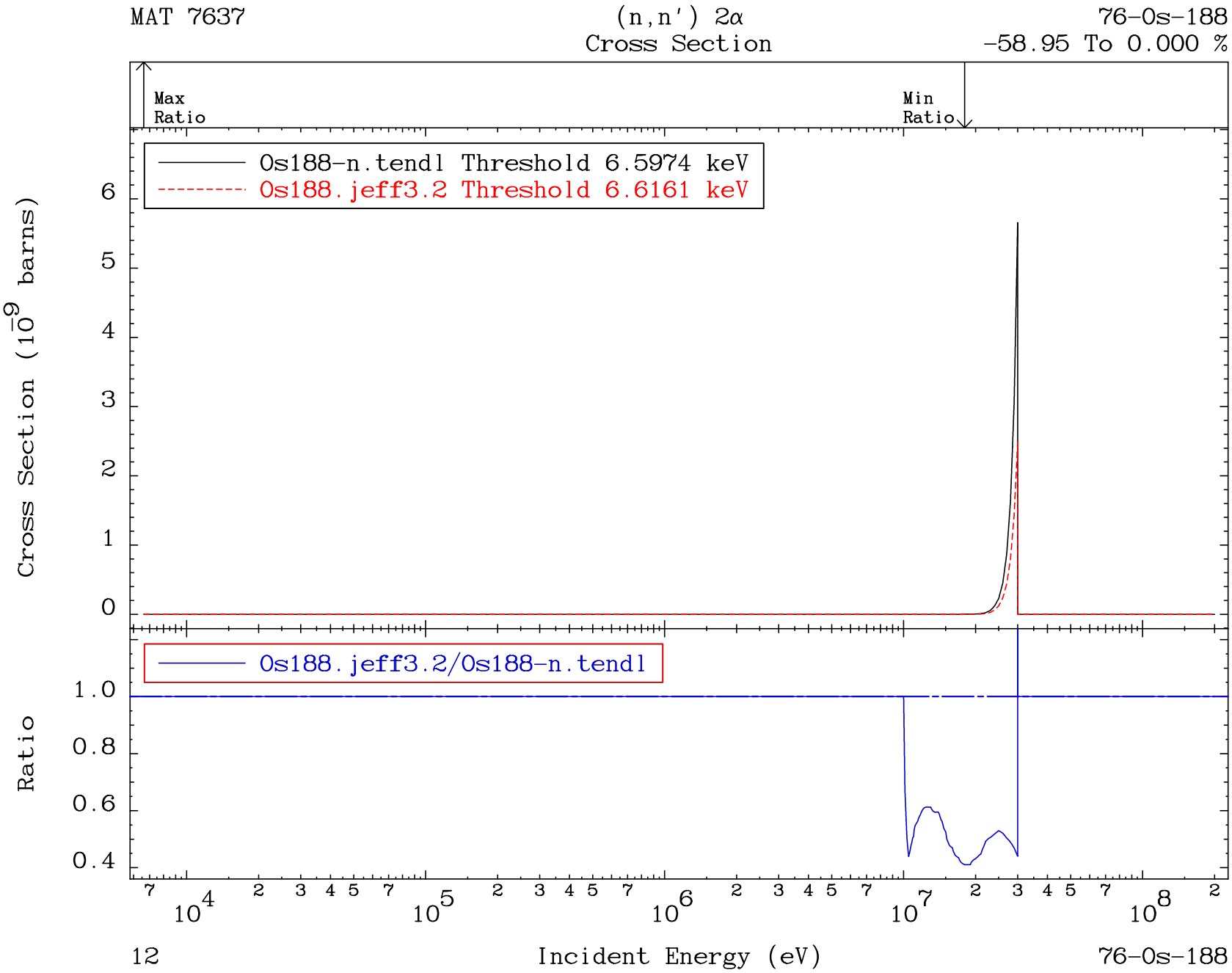

MAT 7637
(n,3n)
Cross Section
76-Os-188
-4.967 To 29.40 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 14.356 MeV
Os188.jeff3.2 Threshold 14.356 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
1.4
1.2
1.0
Ratio
Os188.jeff3.2/Os188-n.tendl
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
76-Os-188

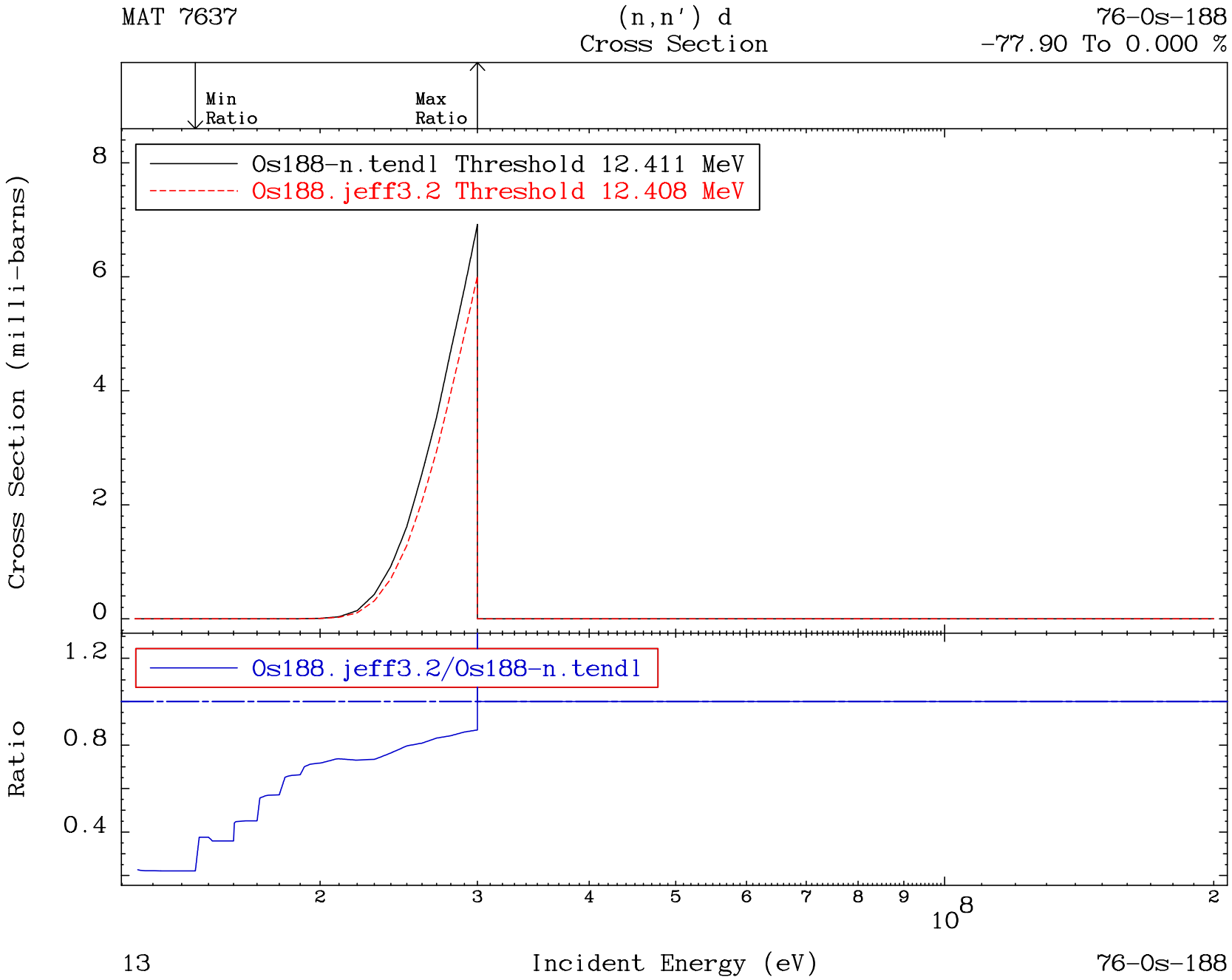

MAT 7637
(n,n') α
Cross Section
76-0s-188
-92.49 To 0.000 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 6.5974 keV
0s188.jeff3.2 Threshold 6.6161 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
0s188.jeff3.2/0s188-n.tendl
Ratio
10^{0}
10^{-1}
10^{4}
10^{5}
10^{6}
10^{7}
10^{8}
Incident Energy (eV)
8
76-0s-188

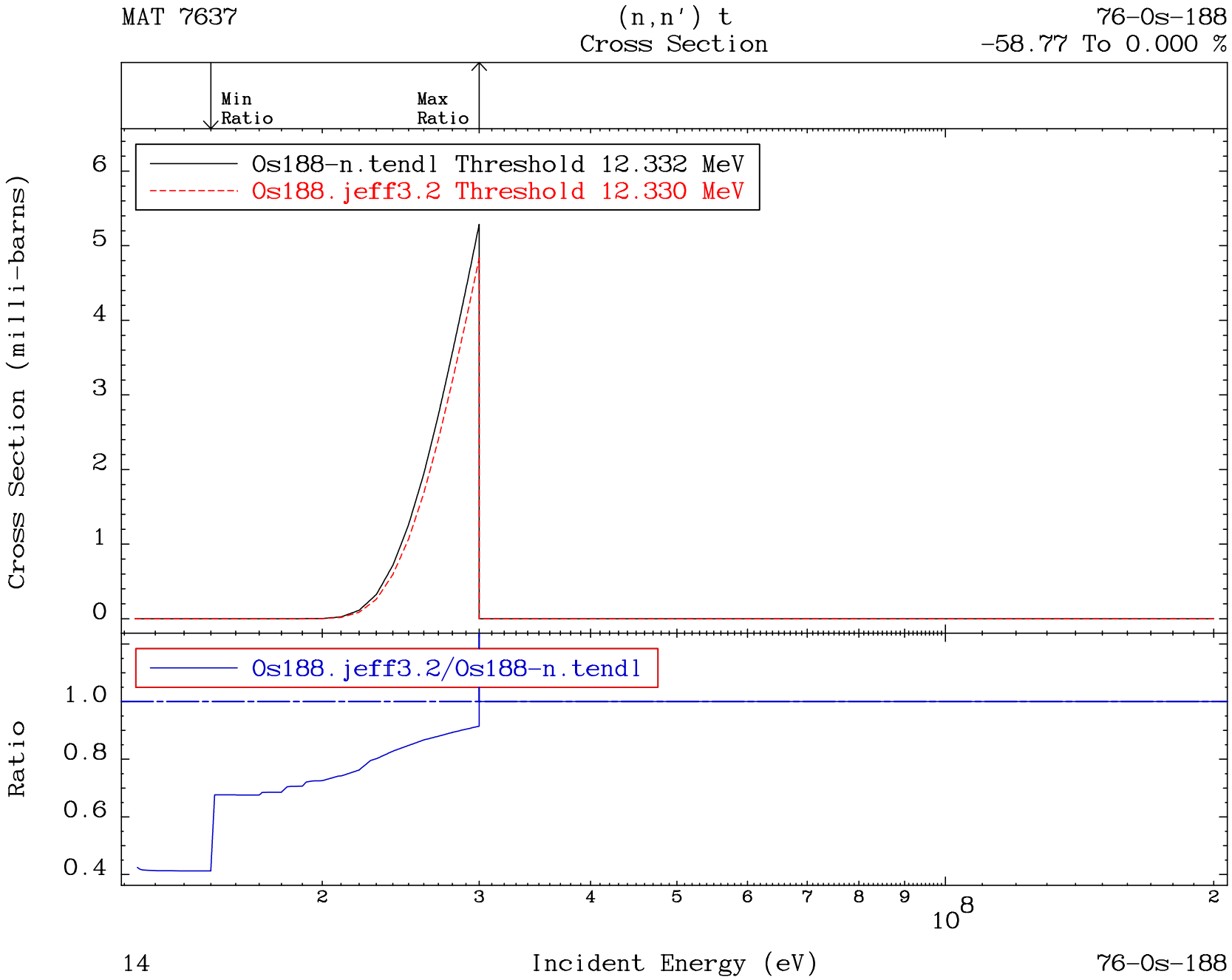

MAT 7637
(n,2n) α
Cross Section
76-0s-188
-54.27 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 5.2966 MeV
0s188.jeff3.2 Threshold 5.2939 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s188.jeff3.2/0s188-n.tendl
Ratio
0.6
0.8
1.0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
76-0s-188

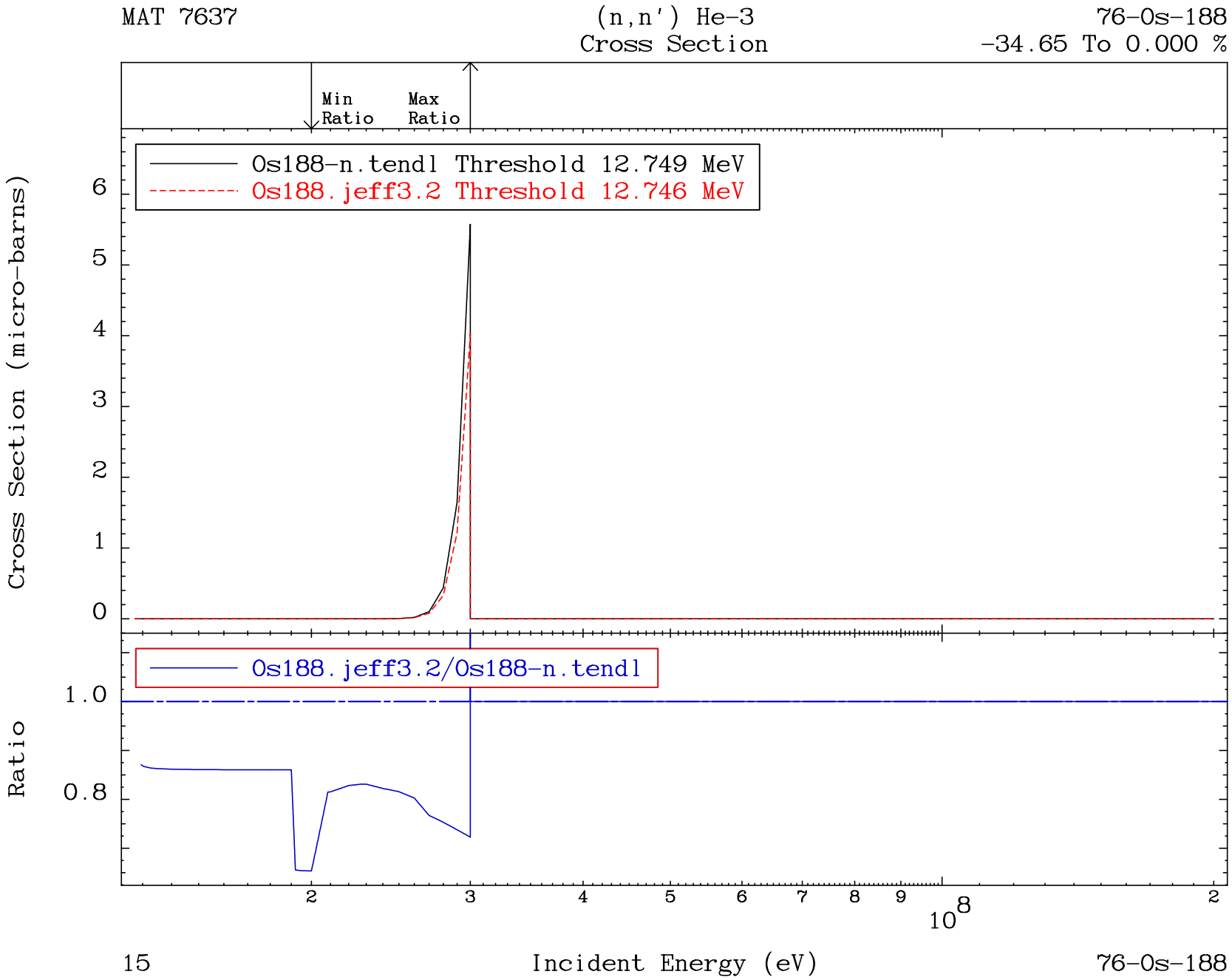

MAT 7637
(n,3n) α
Cross Section
76-Os-188
-70.26 To 13.86 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 11.521 MeV
Os188.jeff3.2 Threshold 11.518 MeV
Cross Section (micro-barns)
200
150
100
50
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
76-Os-188

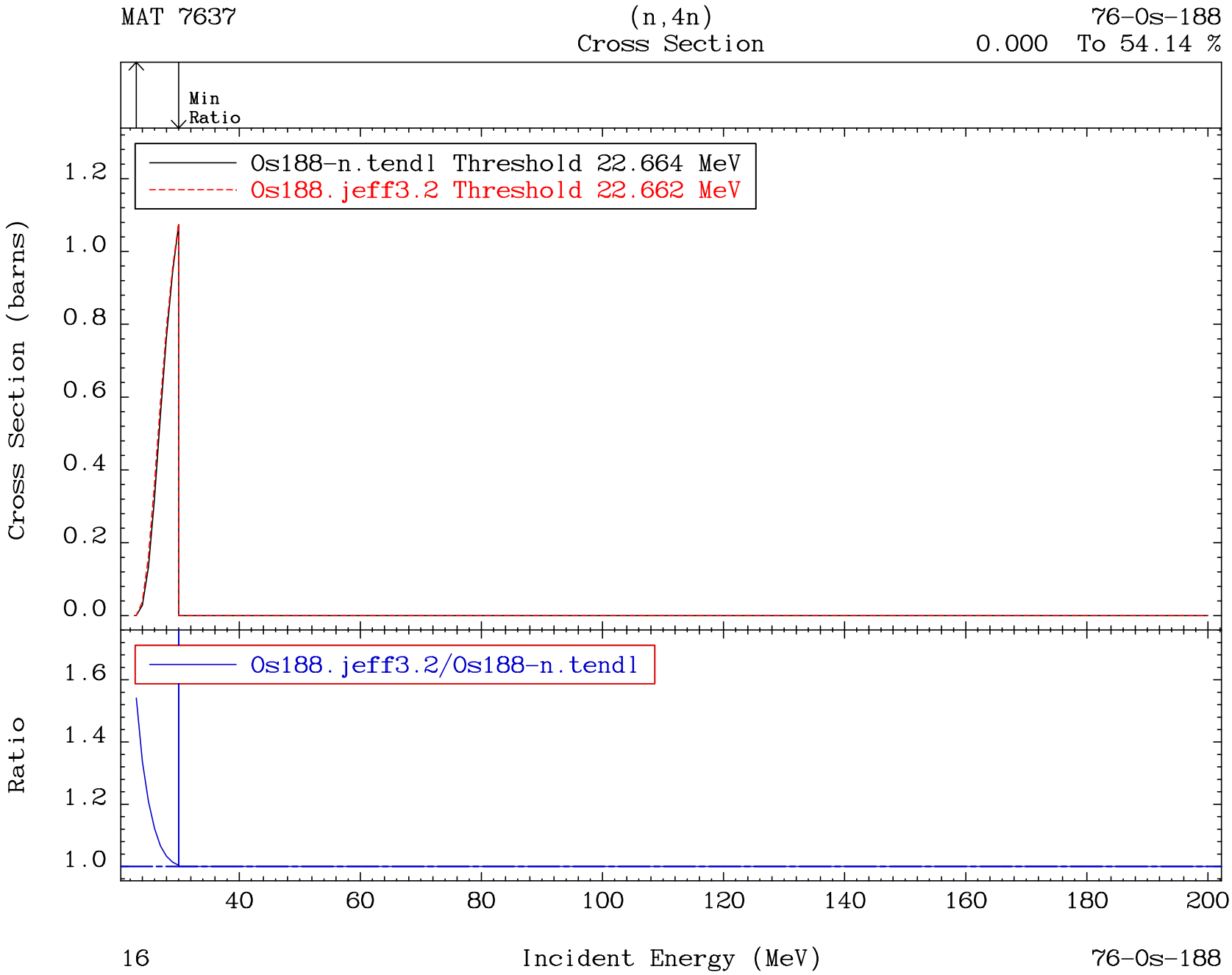

MAT 7637
(n,n') p
Cross Section
76-0s-188
-76.14 To 0.426 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 7.2484 MeV
0s188.jeff3.2 Threshold 7.2484 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.2
0.8
0.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
76-0s-188

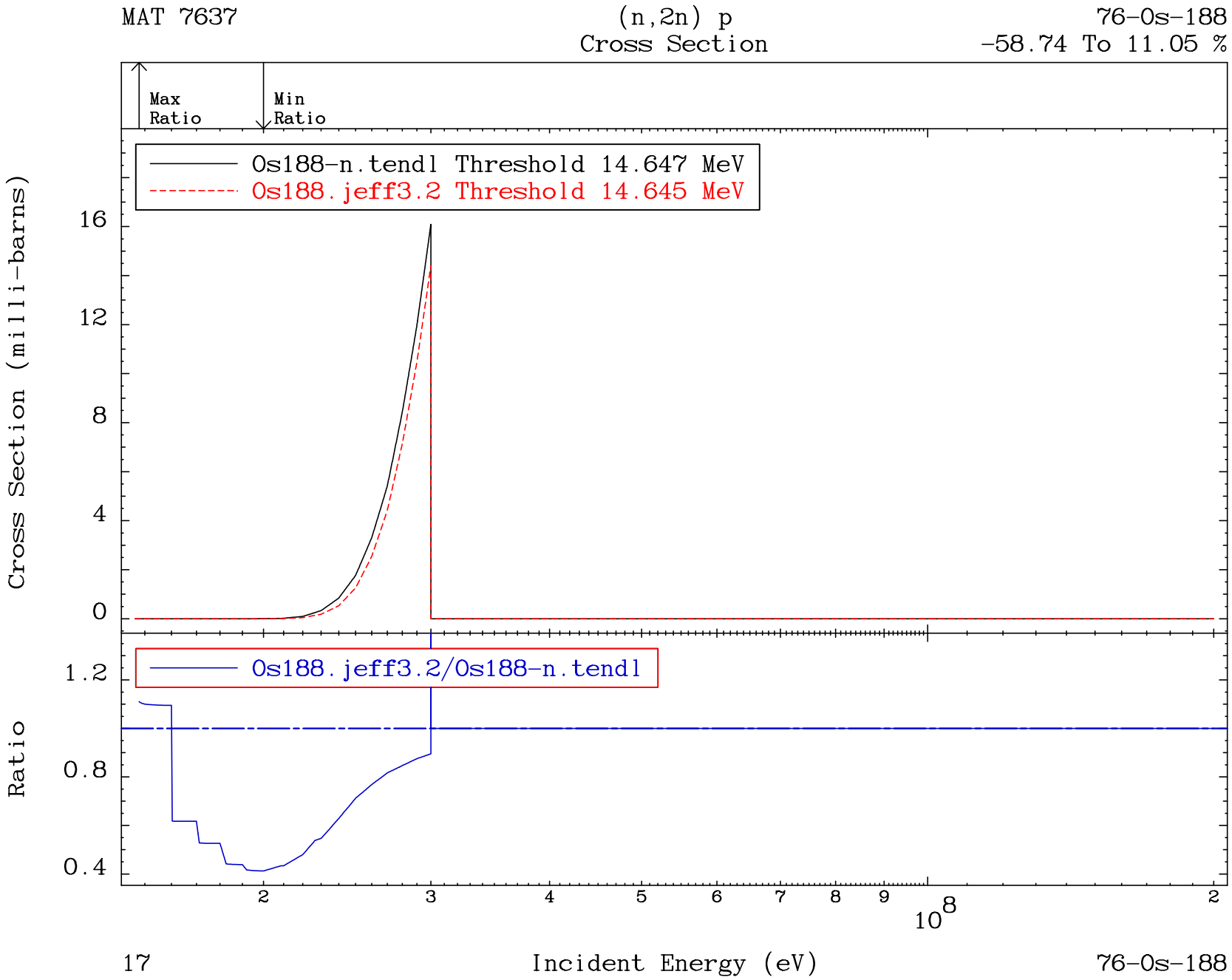

MAT 7637
(n,n') 2α
Cross Section
76-0s-188
-58.95 To 0.000 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 6.5974 keV
0s188.jeff3.2 Threshold 6.6161 keV
Cross Section (10^-9 barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
12
76-0s-188

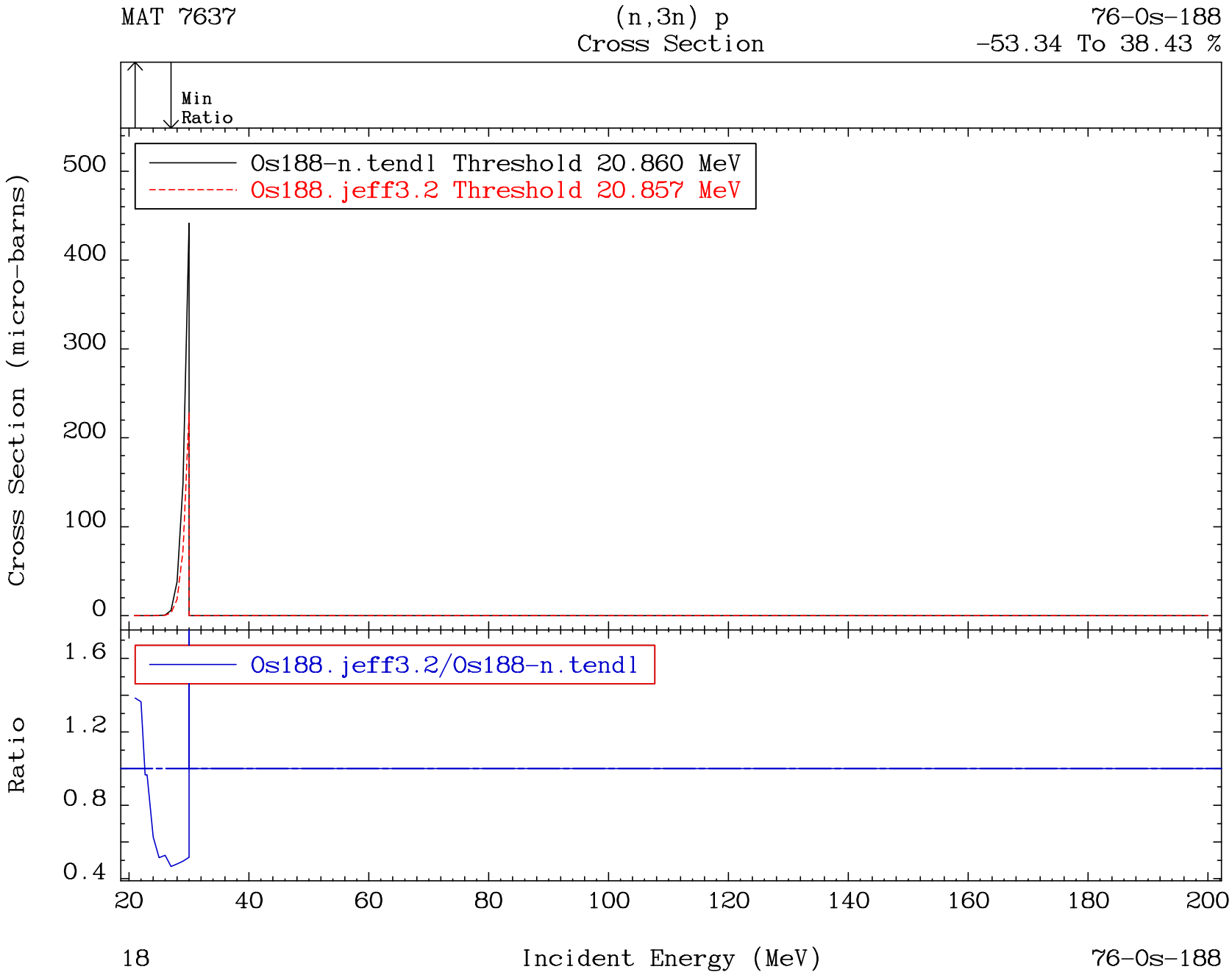

MAT 7637
(n,n') d
Cross Section
76-0s-188
-77.90 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 12.411 MeV
0s188.jeff3.2 Threshold 12.408 MeV
Cross Section (milli-barns)
0
2
4
6
8
0s188.jeff3.2/0s188-n.tendl
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
76-0s-188

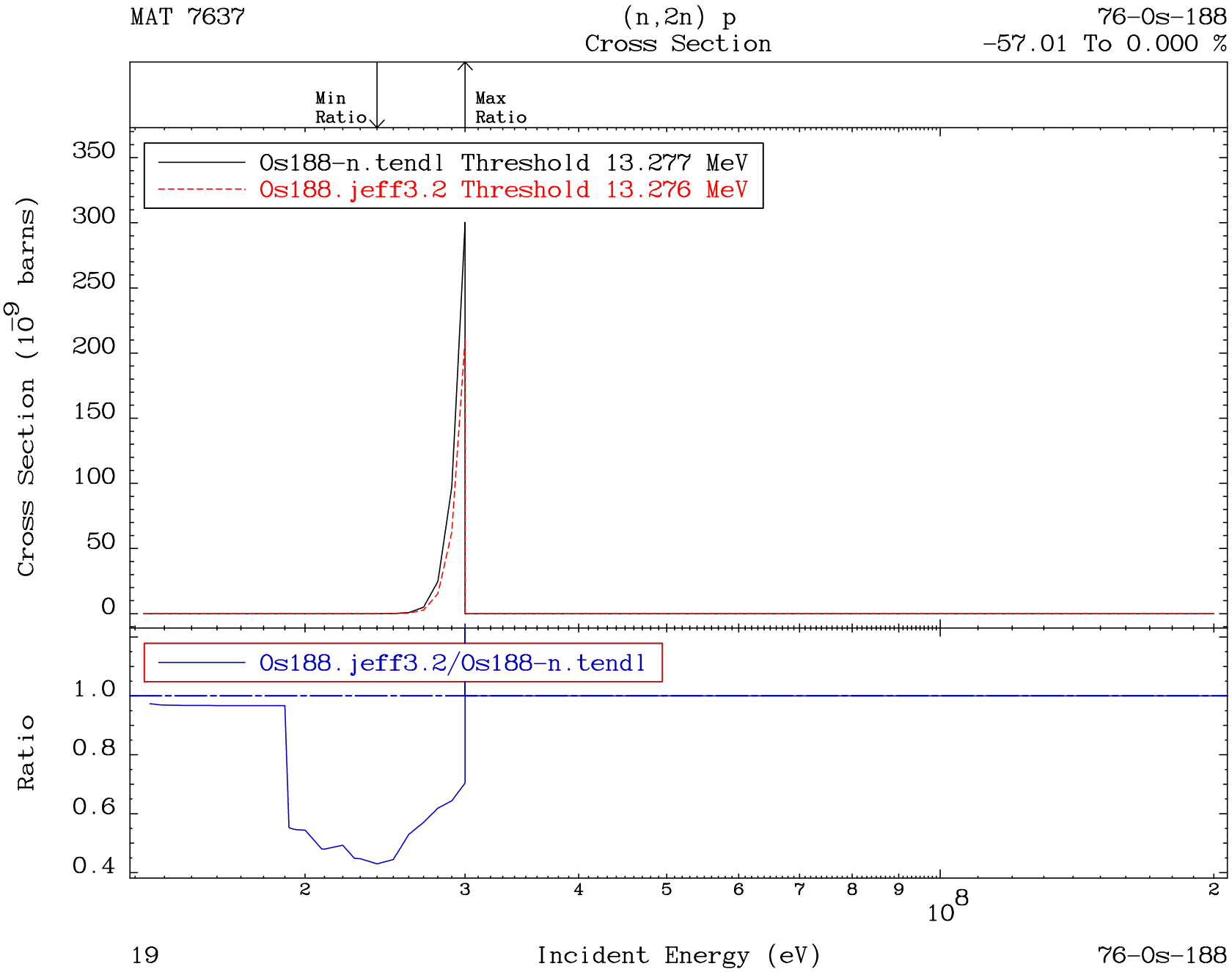

MAT 7637
(n,n') t
Cross Section
76-0s-188
-58.77 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 12.332 MeV
0s188.jeff3.2 Threshold 12.330 MeV
Cross Section (milli-barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
14
76-0s-188

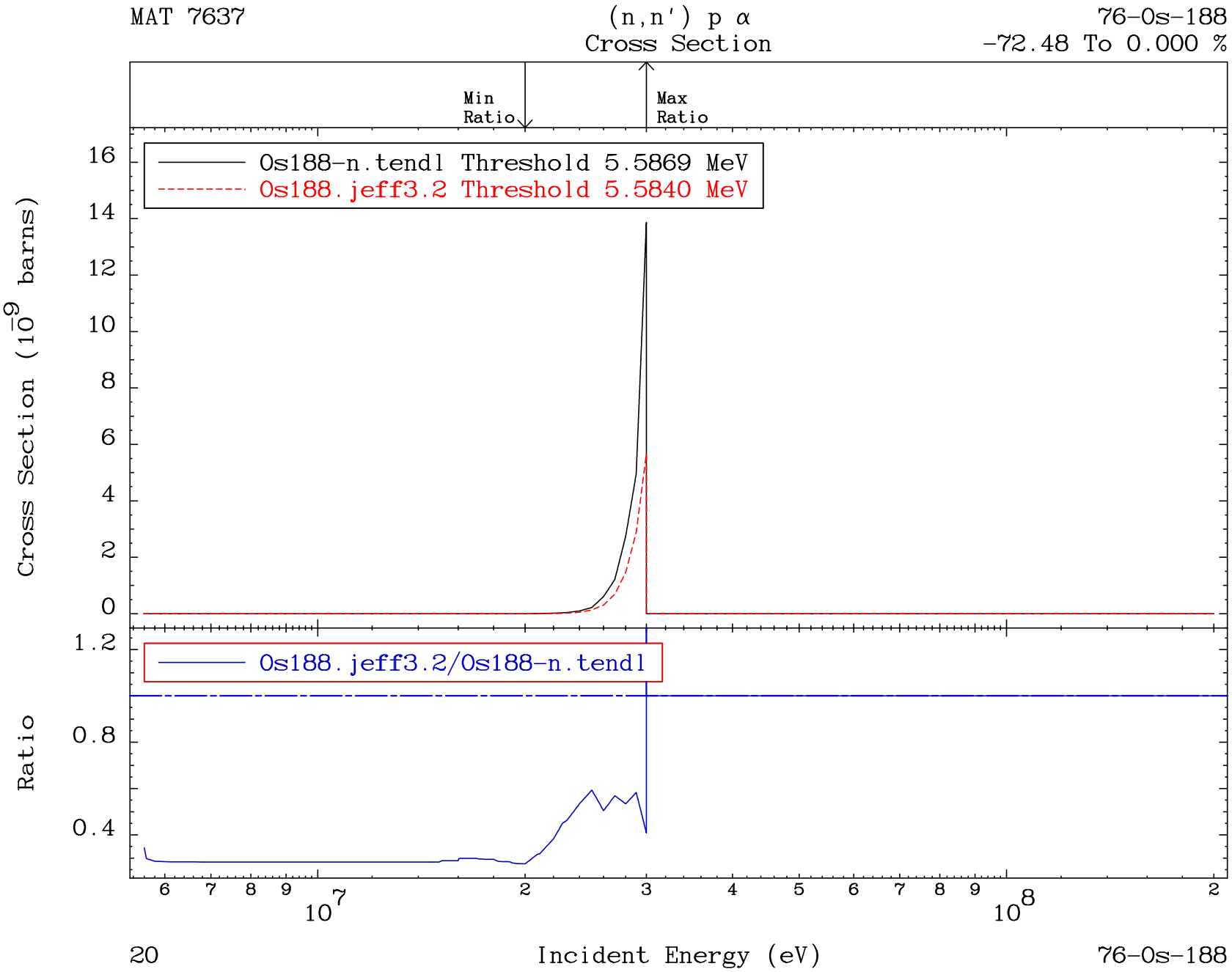

MAT 7637
(n,n') He-3
Cross Section
76-0s-188
-34.65 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 12.749 MeV
0s188.jeff3.2 Threshold 12.746 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
6
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
76-0s-188

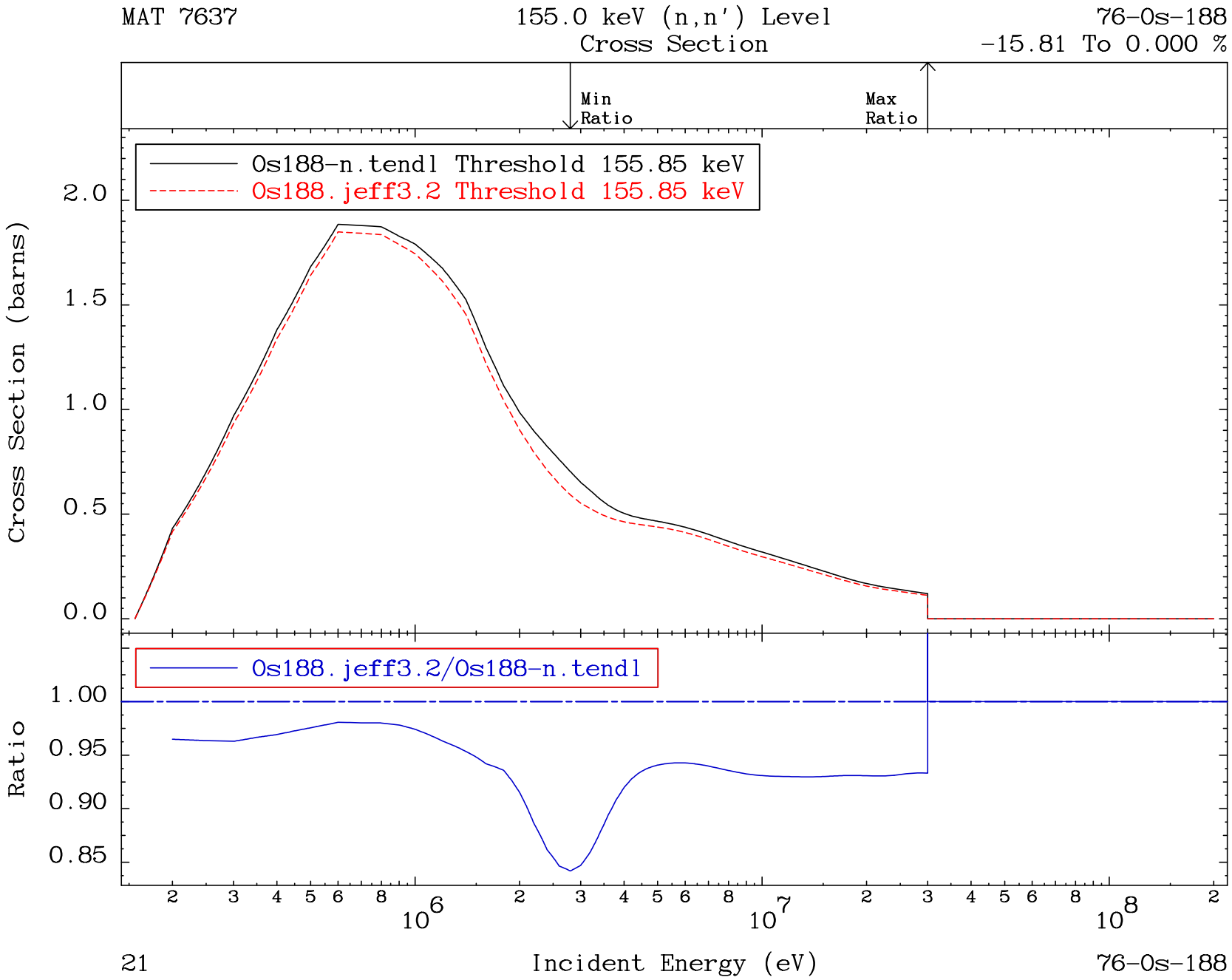

MAT 7637
(n,4n)
Cross Section
76-Os-188
0.000 To 54.14 %
Min
Ratio
Os188-n.tendl Threshold 22.664 MeV
Os188.jeff3.2 Threshold 22.662 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.6
1.4
1.2
1.0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
76-Os-188

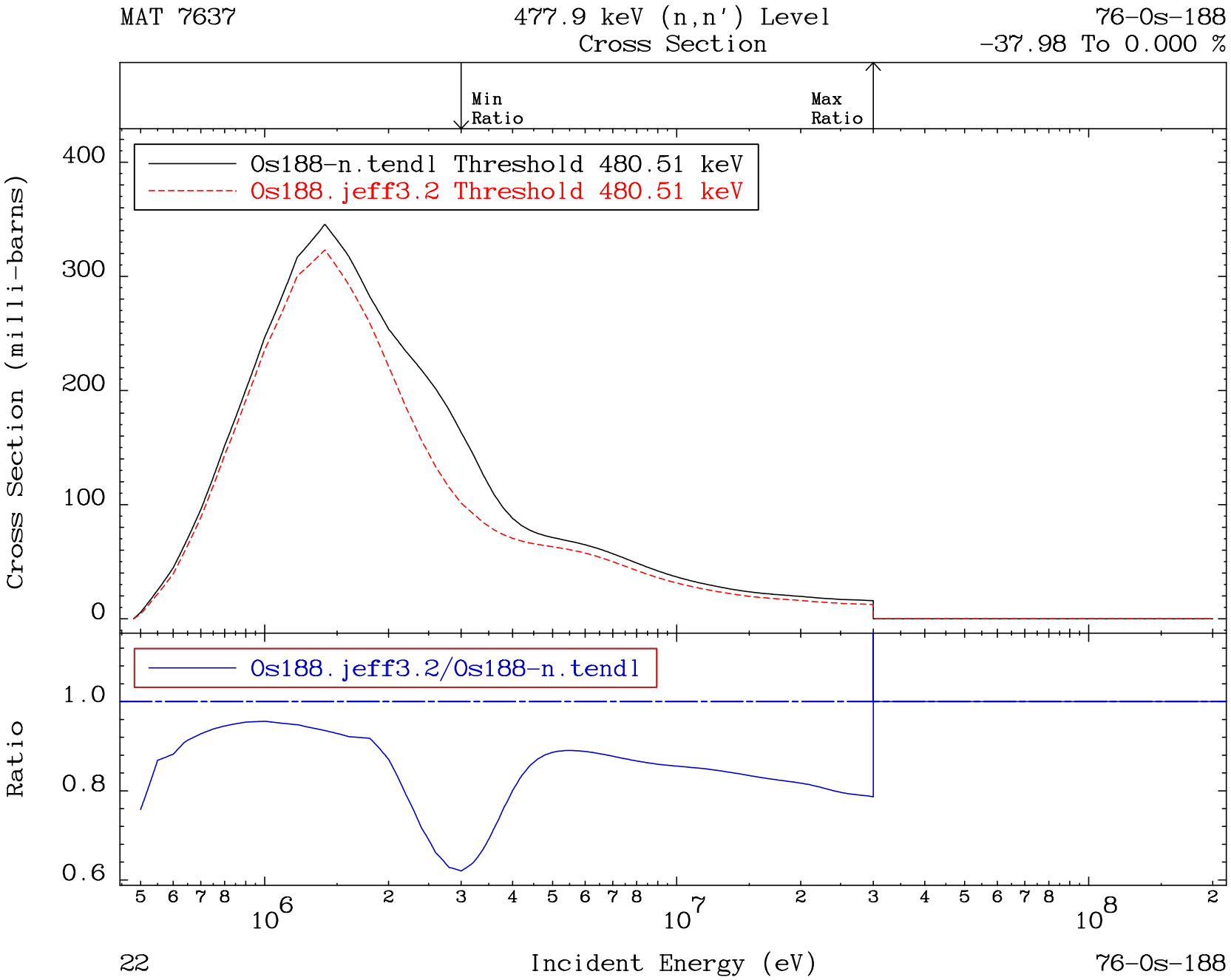

MAT 7637
(n,2n) p
Cross Section
76-Os-188
-58.74 To 11.05 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 14.647 MeV
Os188.jeff3.2 Threshold 14.645 MeV
Cross Section (milli-barns)
16
12
8
4
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
76-Os-188

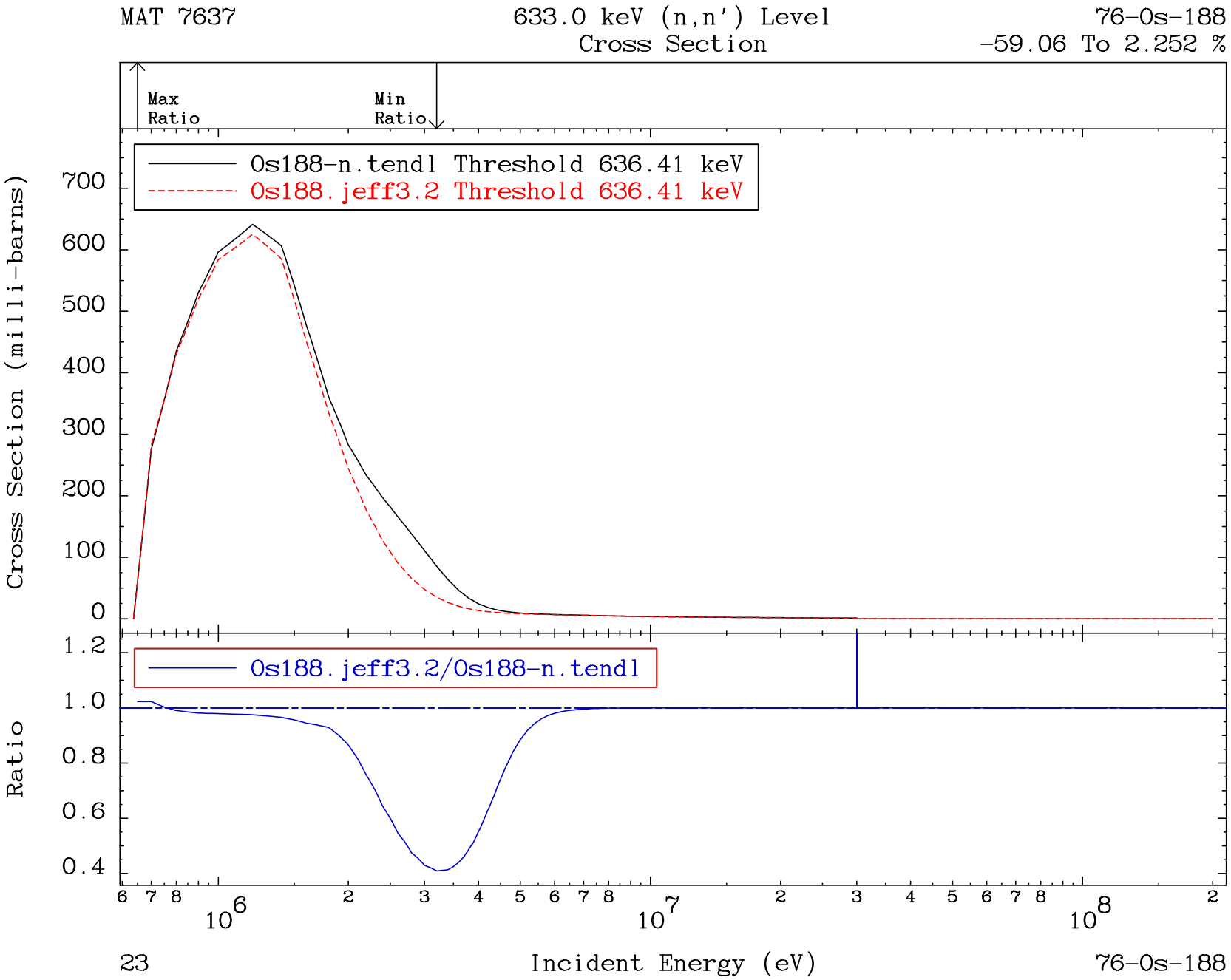

MAT 7637
(n,3n) p
Cross Section
76-0s-188
-53.34 To 38.43 %
Min
Ratio
0s188-n.tendl Threshold 20.860 MeV
0s188.jeff3.2 Threshold 20.857 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.6
1.2
0.8
0.4
20
40
60
80
100
120
140
160
180
200
18
Incident Energy (MeV)
76-0s-188

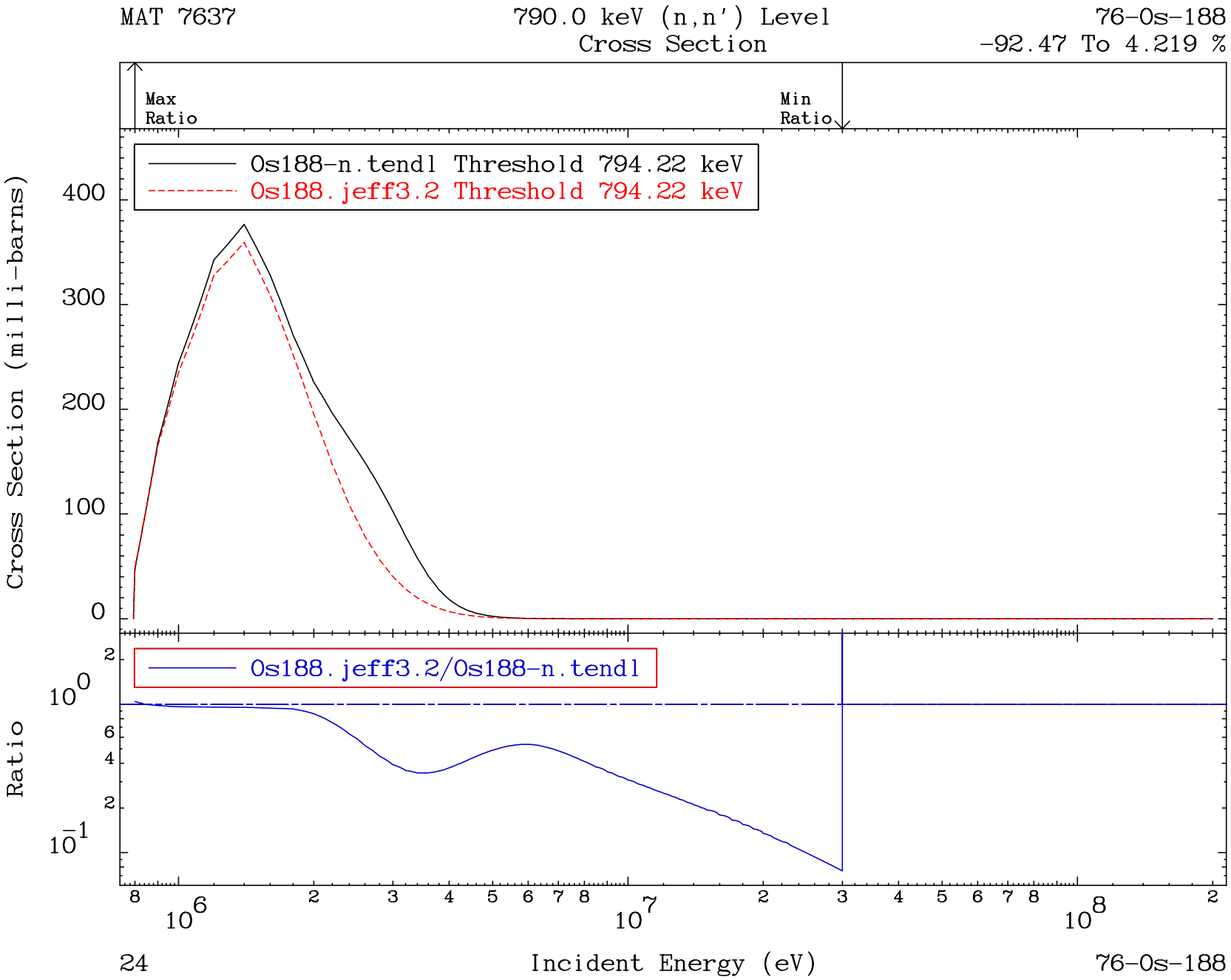

MAT 7637
(n,2n) p
Cross Section
76-0s-188
-57.01 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 13.277 MeV
0s188.jeff3.2 Threshold 13.276 MeV
Cross Section (10^{-9} barns)
350
300
250
200
150
100
50
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
76-0s-188

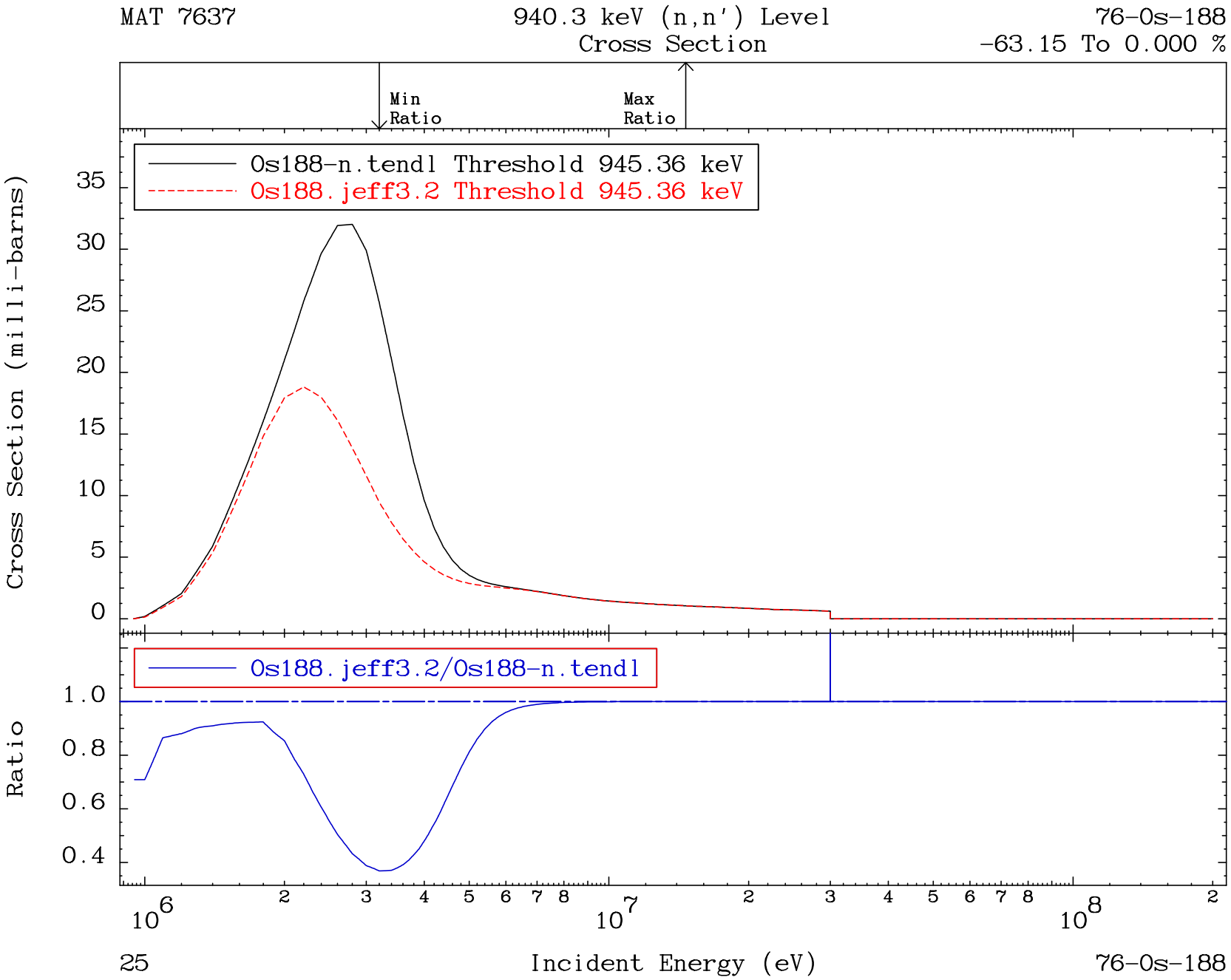

MAT 7637
(n,n') p α
Cross Section
76-0s-188
-72.48 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 5.5869 MeV
0s188.jeff3.2 Threshold 5.5840 MeV
Cross Section (10^-9 barns)
0
2
4
6
8
10
12
14
16
0s188.jeff3.2/0s188-n.tendl
Ratio
0.4
0.8
1.2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
20
76-0s-188

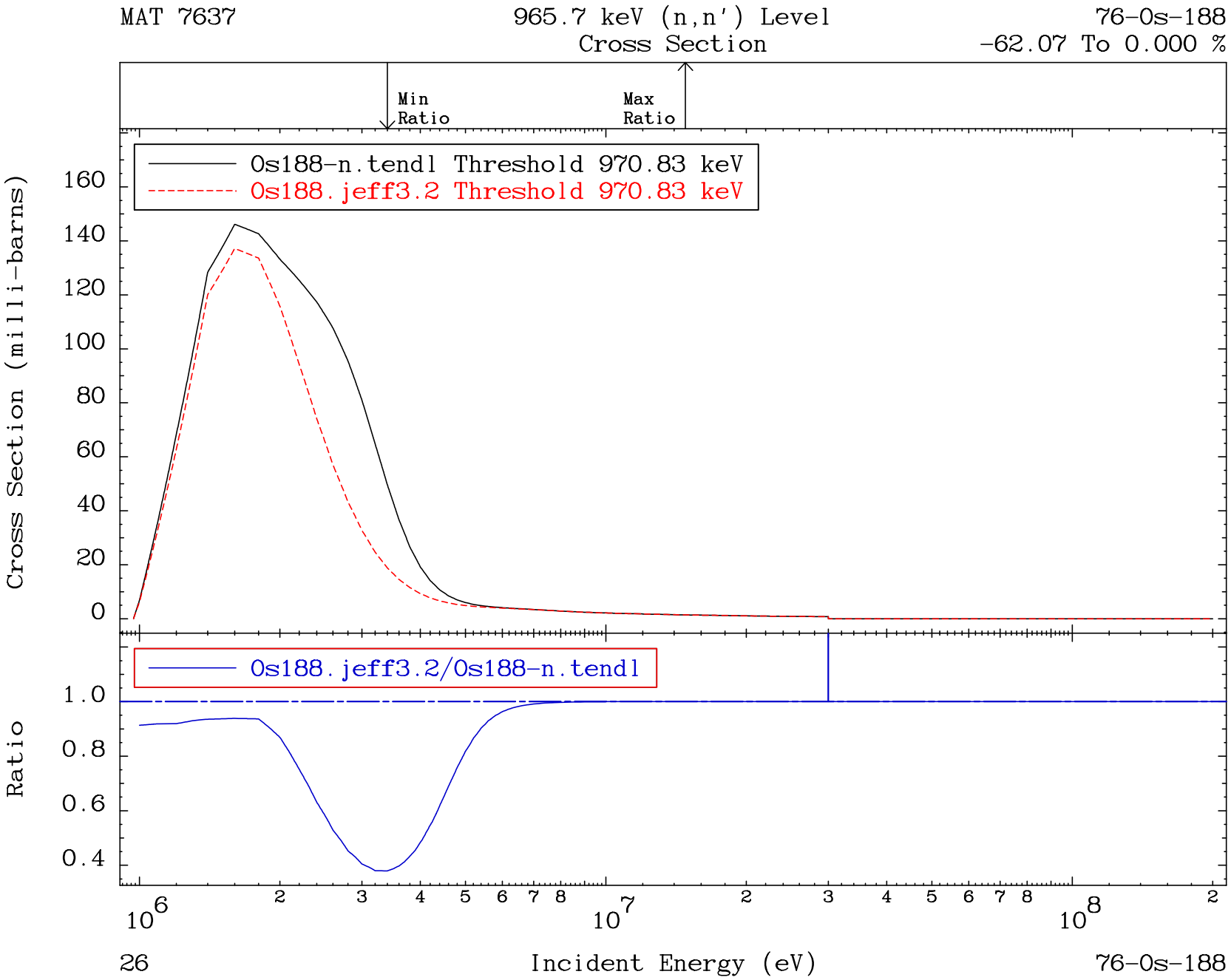

MAT 7637
155.0 keV (n,n') Level
Cross Section
76-0s-188
-15.81 To 0.000 %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jeff3.2 Threshold 155.85 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.00
0.95
0.90
0.85
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
76-0s-188

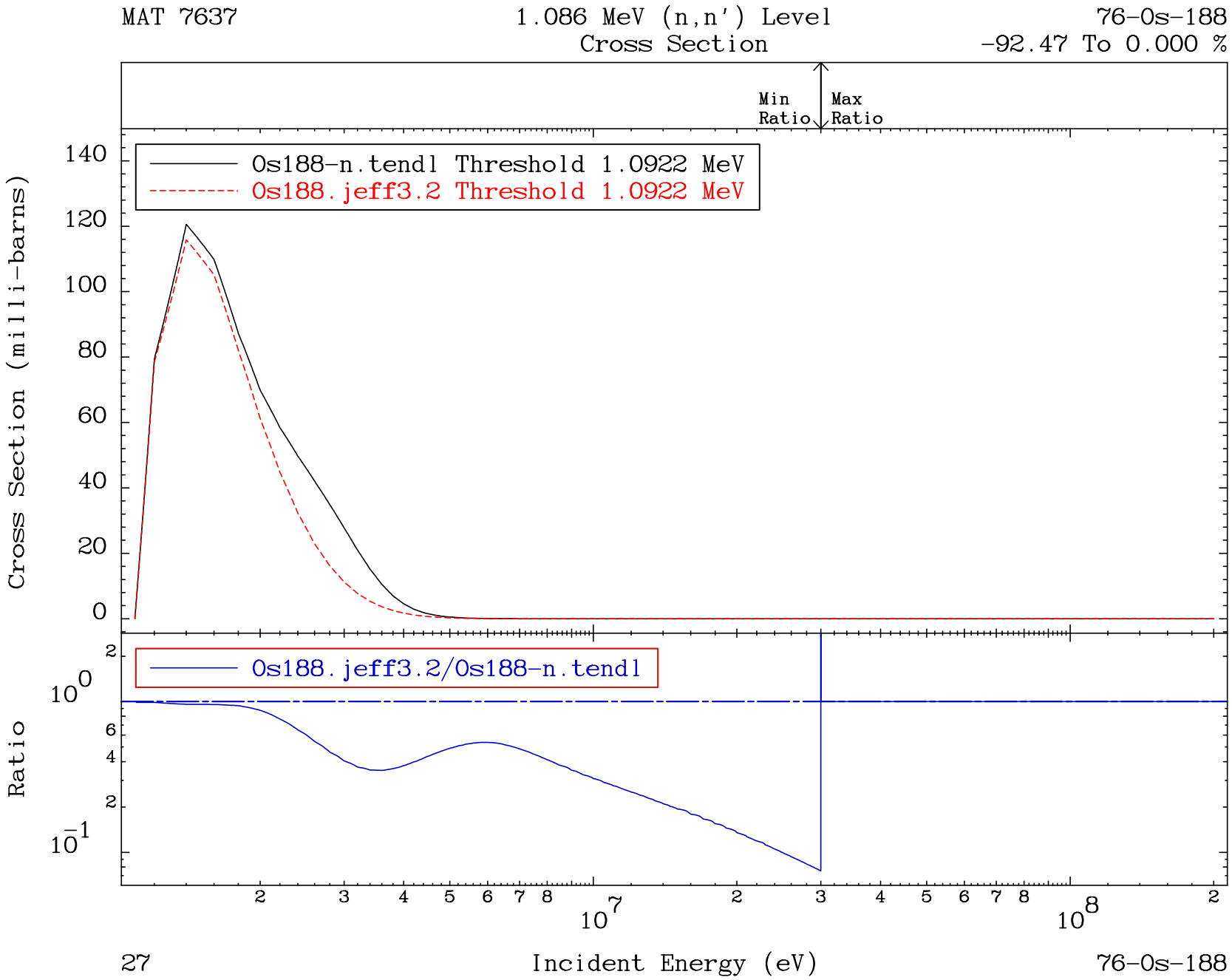

MAT 7637
477.9 keV (n,n') Level
Cross Section
76-0s-188
-37.98 To 0.000 %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 480.51 keV
0s188.jeff3.2 Threshold 480.51 keV
Cross Section (milli-barns)
400
300
200
100
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.8
0.6
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
76-0s-188

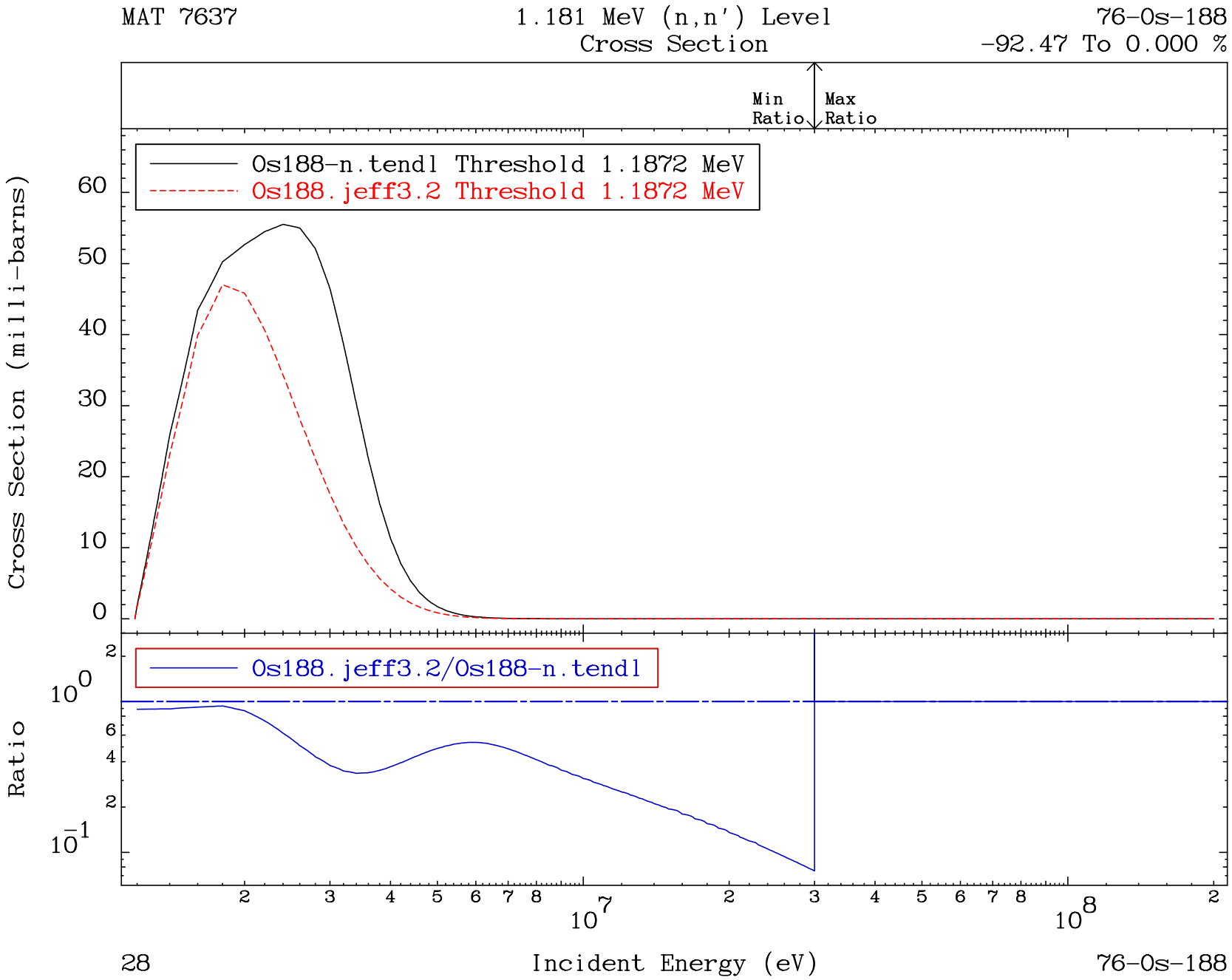

MAT 7637
633.0 keV (n,n') Level
Cross Section
76-0s-188
-59.06 To 2.252 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 636.41 keV
0s188.jeff3.2 Threshold 636.41 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
76-0s-188

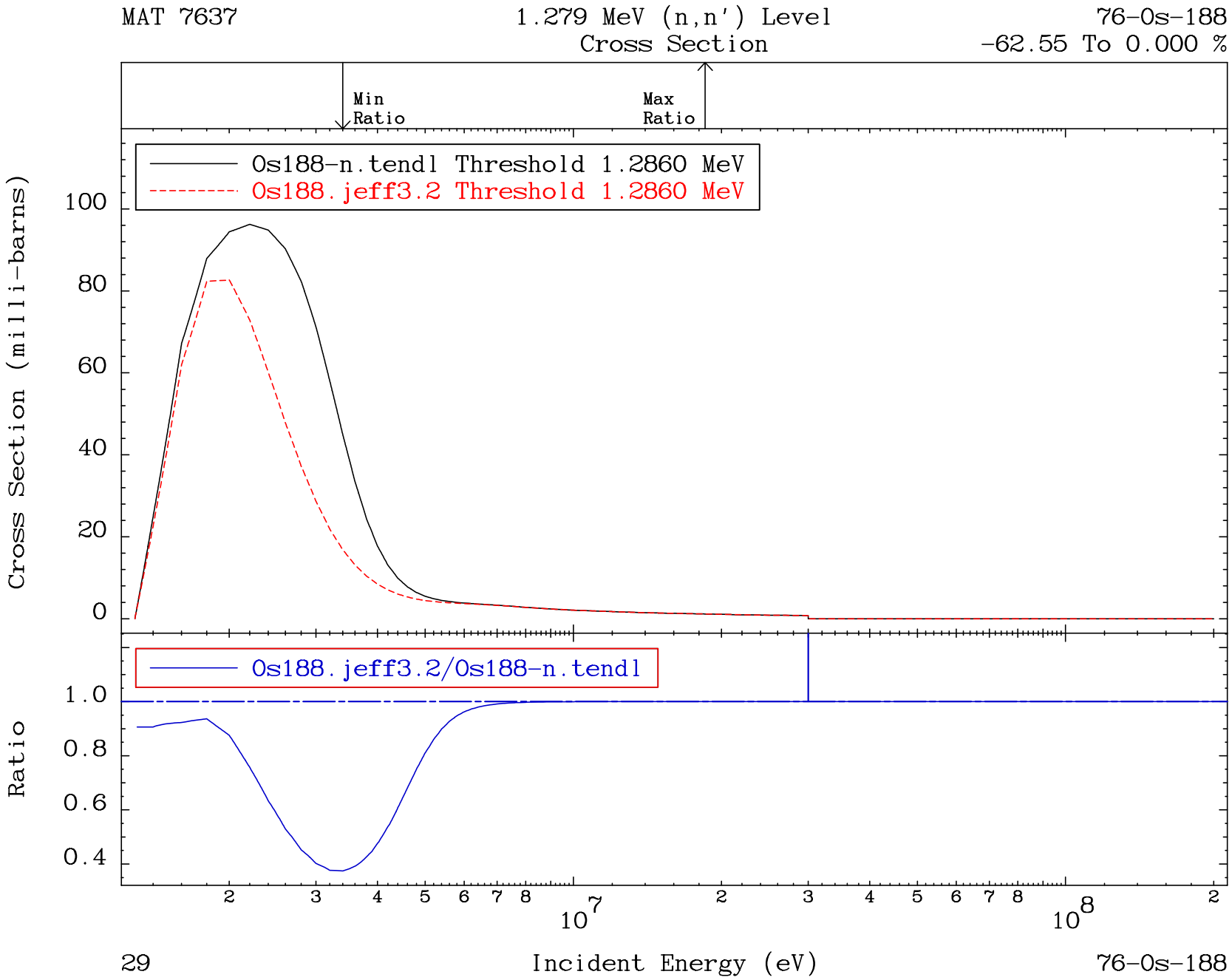

MAT 7637
790.0 keV (n,n') Level
Cross Section
76-0s-188
-92.47 To 4.219 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 794.22 keV
0s188.jeff3.2 Threshold 794.22 keV
Cross Section (milli-barns)
400
300
200
100
0
0s188.jeff3.2/0s188-n.tendl
Ratio
2
10^0
6
4
2
10^-1
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
76-0s-188

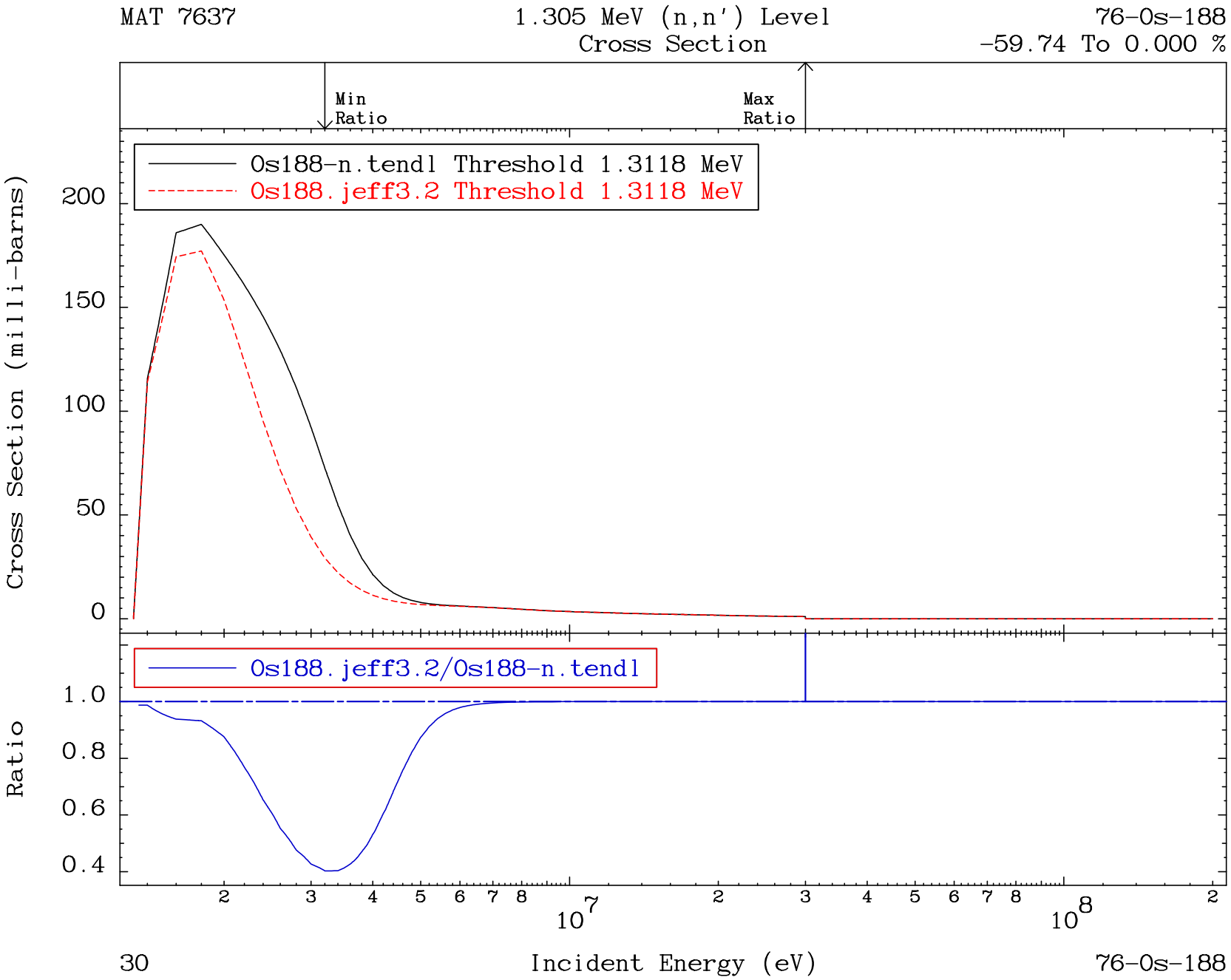

MAT 7637
940.3 keV (n,n') Level
Cross Section
76-0s-188
-63.15 To 0.000 %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 945.36 keV
0s188.jeff3.2 Threshold 945.36 keV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.8
0.6
0.4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
76-0s-188

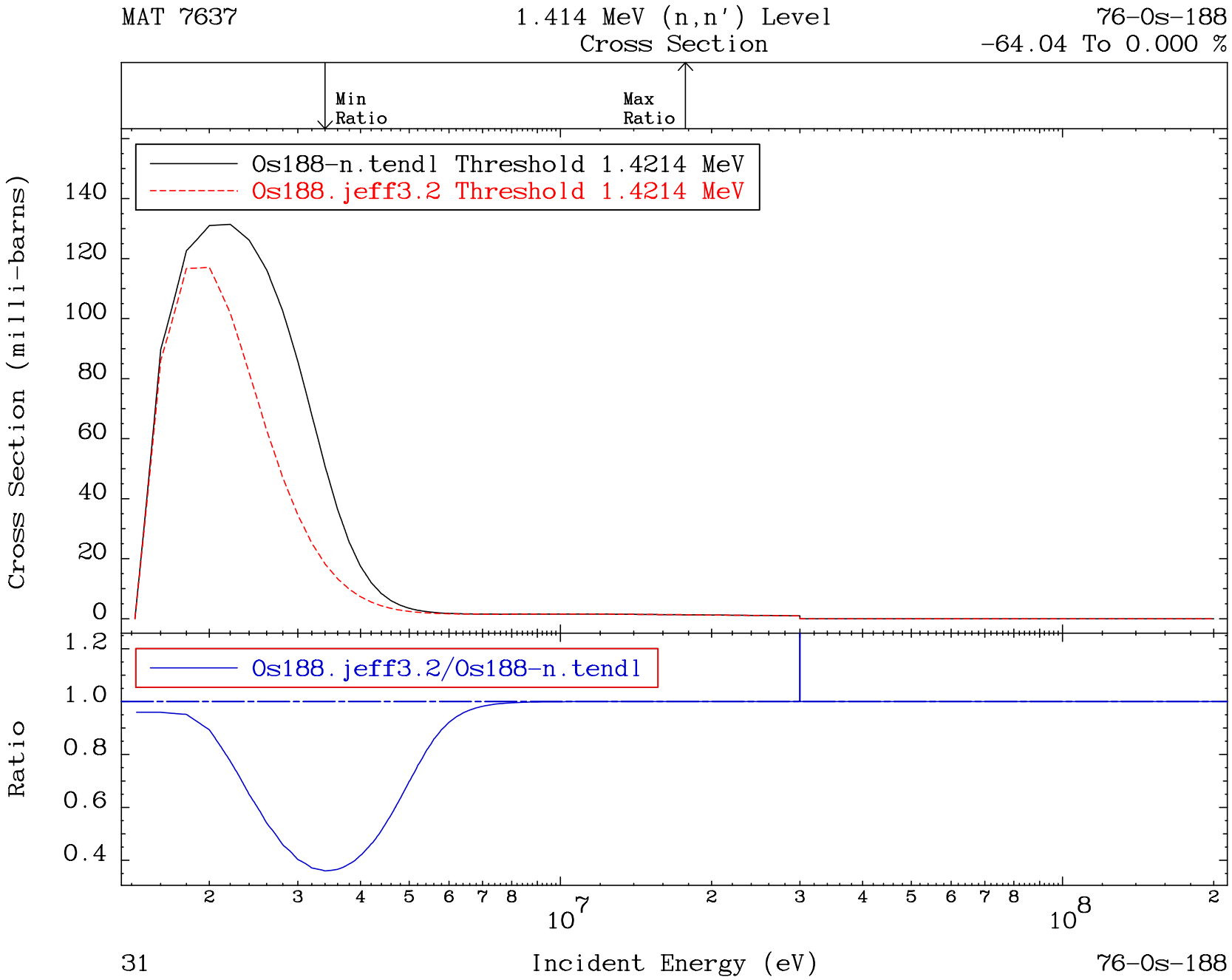

MAT 7637
965.7 keV (n,n') Level
Cross Section
76-0s-188
-62.07 To 0.000 %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 970.83 keV
0s188.jeff3.2 Threshold 970.83 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.8
0.6
0.4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
76-0s-188

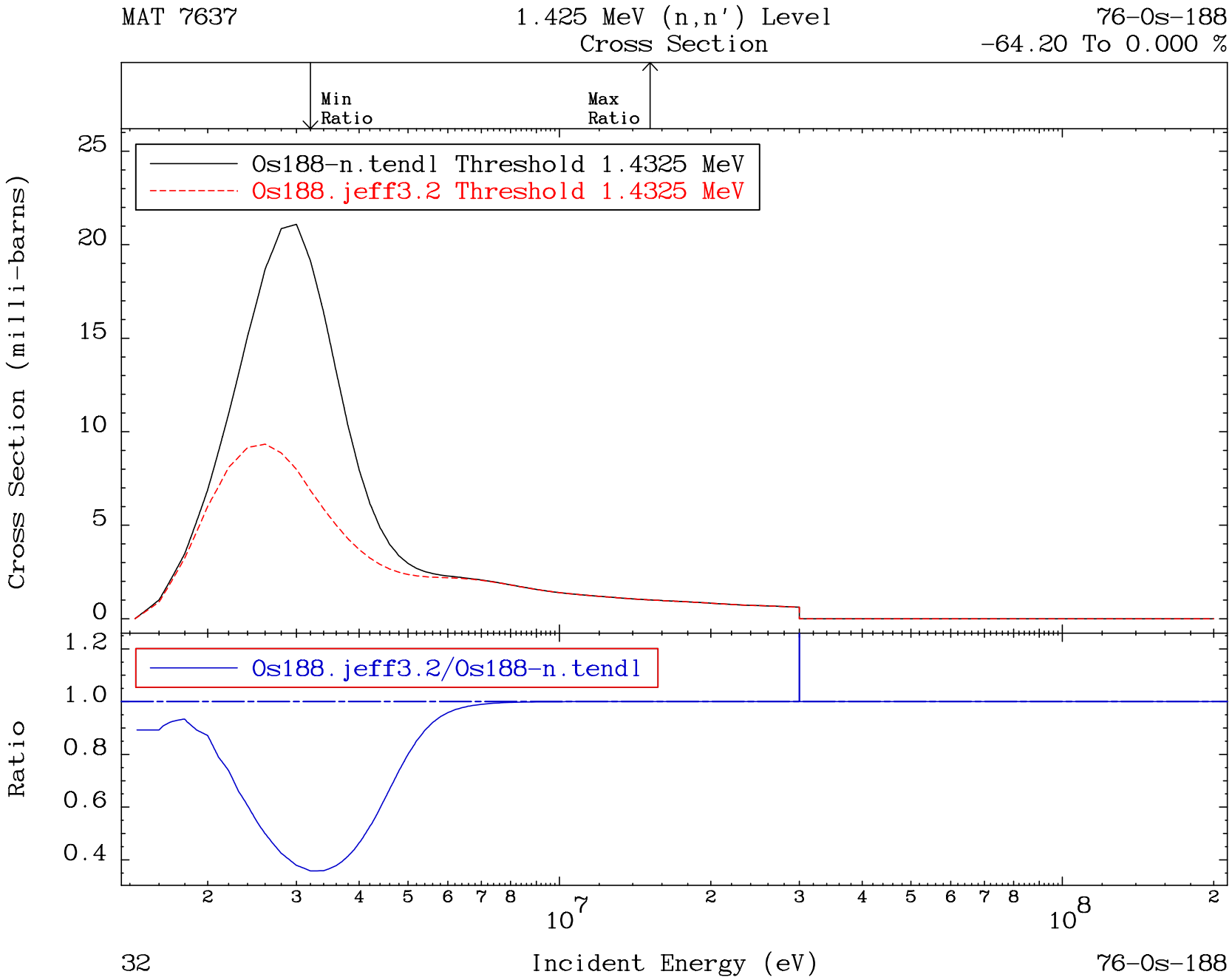

MAT 7637
1.086 MeV (n,n') Level
Cross Section
76-0s-188
-92.47 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.0922 MeV
0s188.jeff3.2 Threshold 1.0922 MeV
Cross Section (milli-barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
27
76-0s-188

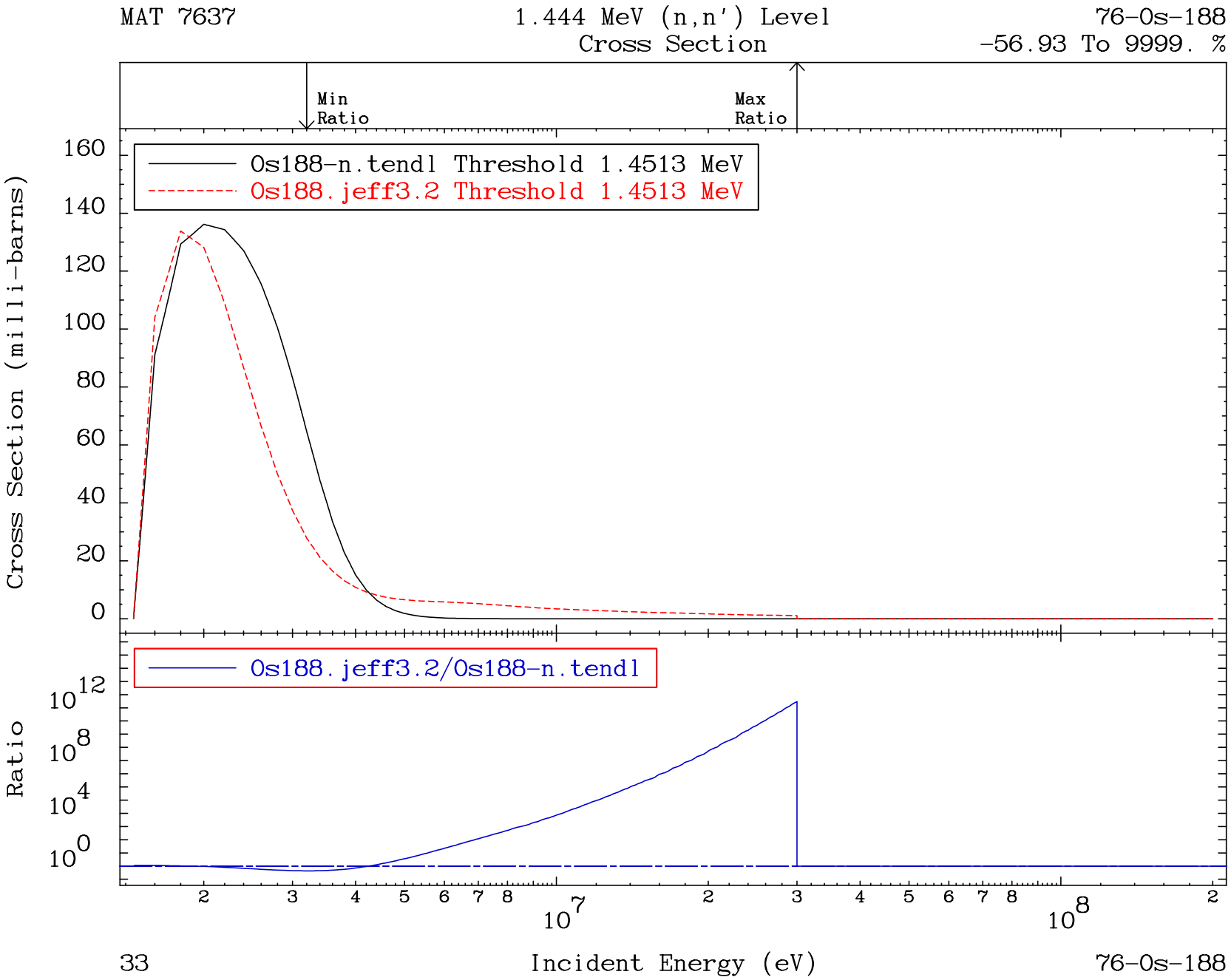

MAT 7637
1.181 MeV (n,n') Level
Cross Section
76-0s-188
-92.47 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.1872 MeV
0s188.jeff3.2 Threshold 1.1872 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
60
0s188.jeff3.2/0s188-n.tendl
Ratio
10^{0}
10^{-1}
2
6
4
2
2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
28
Incident Energy (eV)
76-0s-188

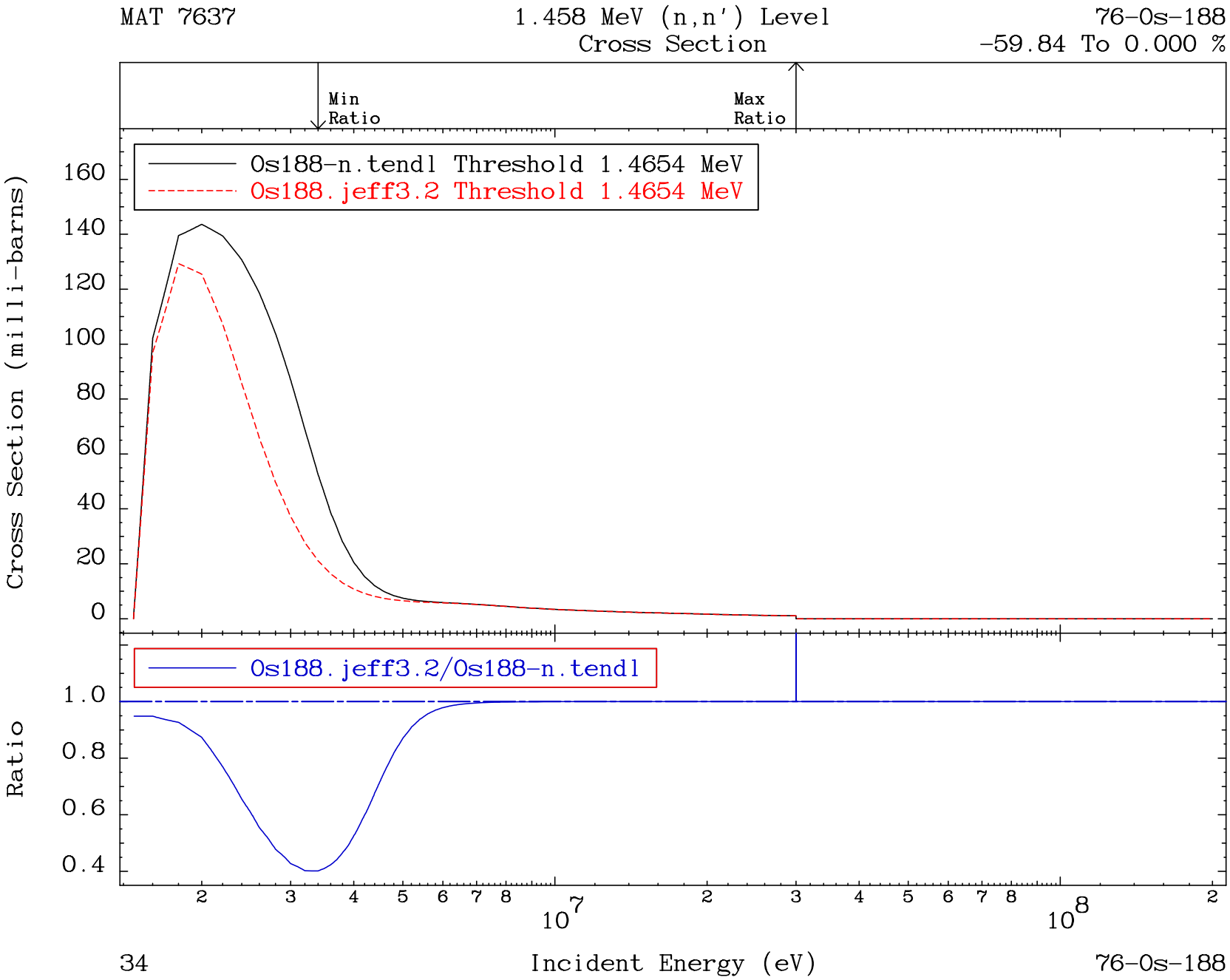

MAT 7637
1.279 MeV (n,n') Level
Cross Section
76-Os-188
-62.55 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.2860 MeV
Os188.jeff3.2 Threshold 1.2860 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
76-Os-188

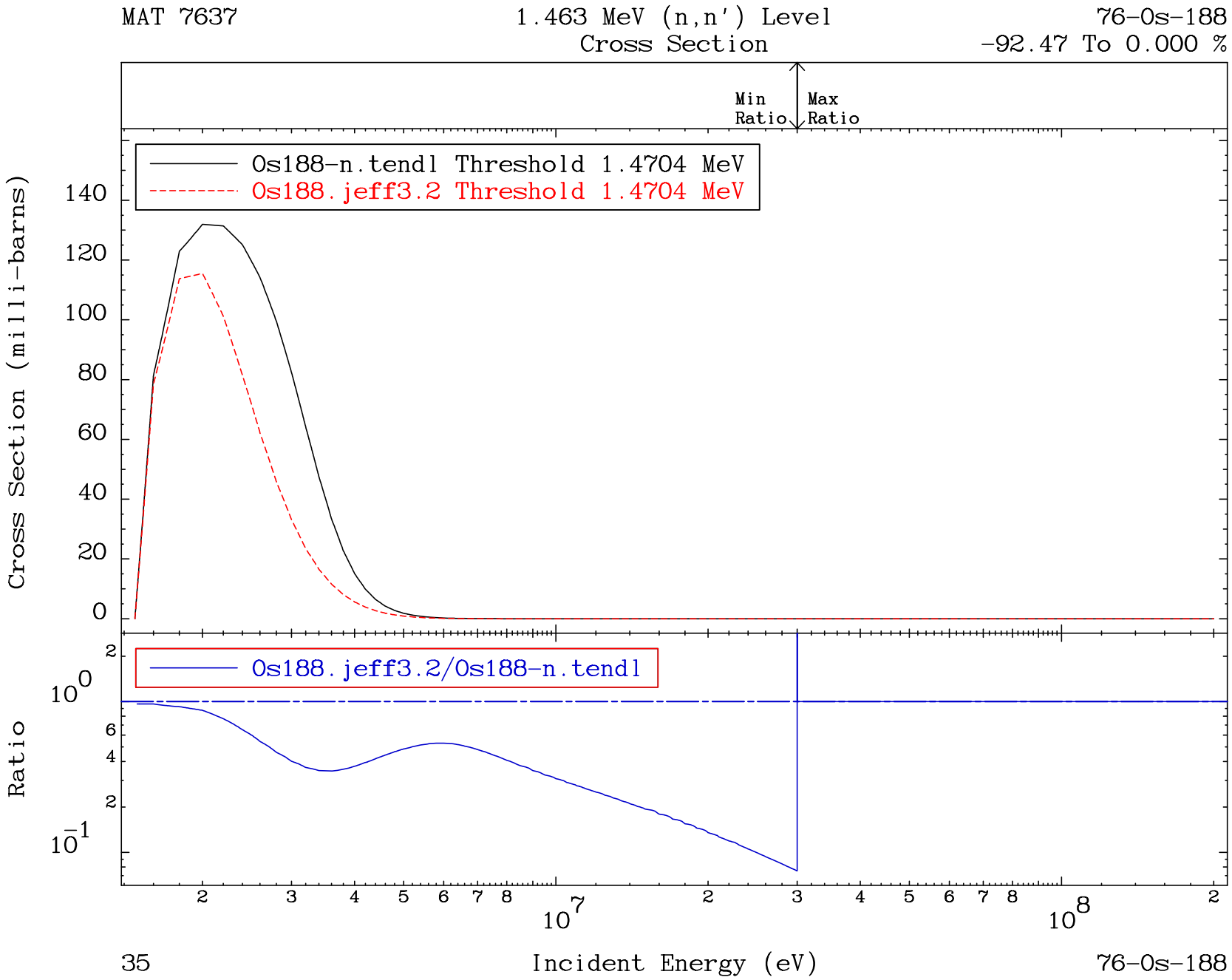

MAT 7637
1.305 MeV (n,n') Level
Cross Section
76-Os-188
-59.74 To 0.000 %
Min
Ratio
Max
Ratio
Os188-n.tendl Threshold 1.3118 MeV
Os188.jeff3.2 Threshold 1.3118 MeV
Cross Section (milli-barns)
200
150
100
50
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
76-Os-188

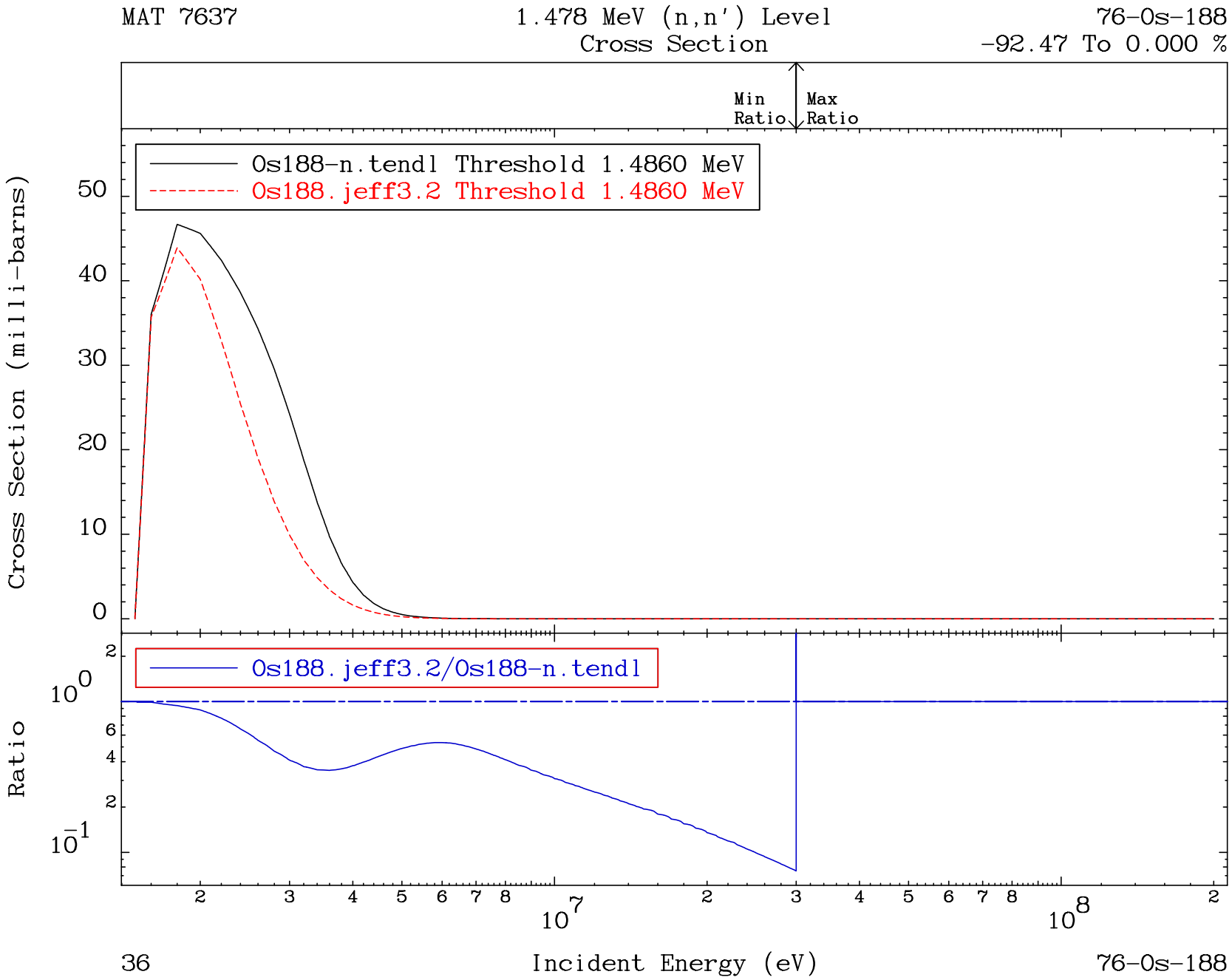

MAT 7637
1.414 MeV (n,n') Level
Cross Section
76-0s-188
-64.04 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.4214 MeV
0s188.jeff3.2 Threshold 1.4214 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
76-0s-188

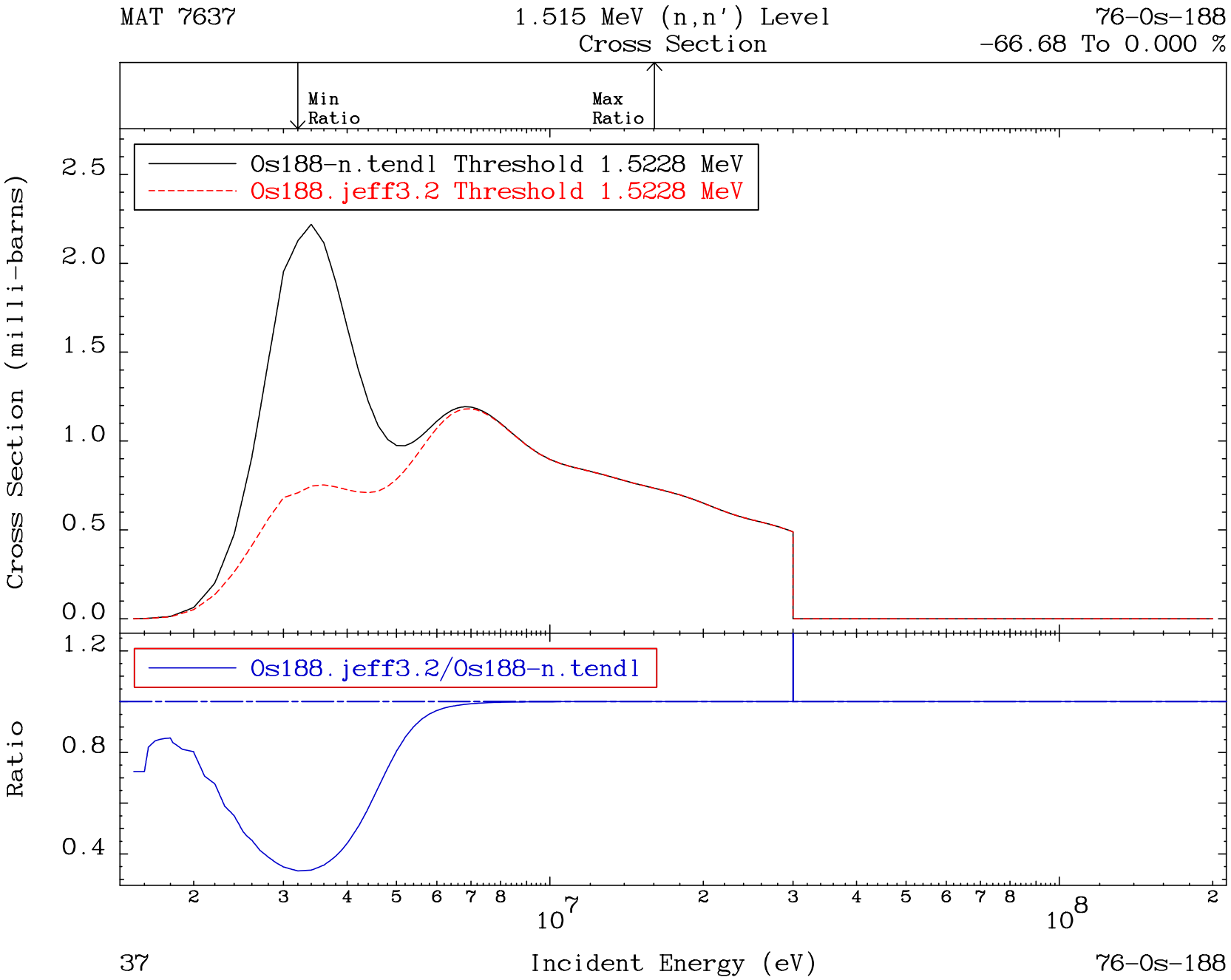

MAT 7637
1.425 MeV (n,n') Level
Cross Section
76-0s-188
-64.20 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.4325 MeV
Os188.jeff3.2 Threshold 1.4325 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
76-0s-188

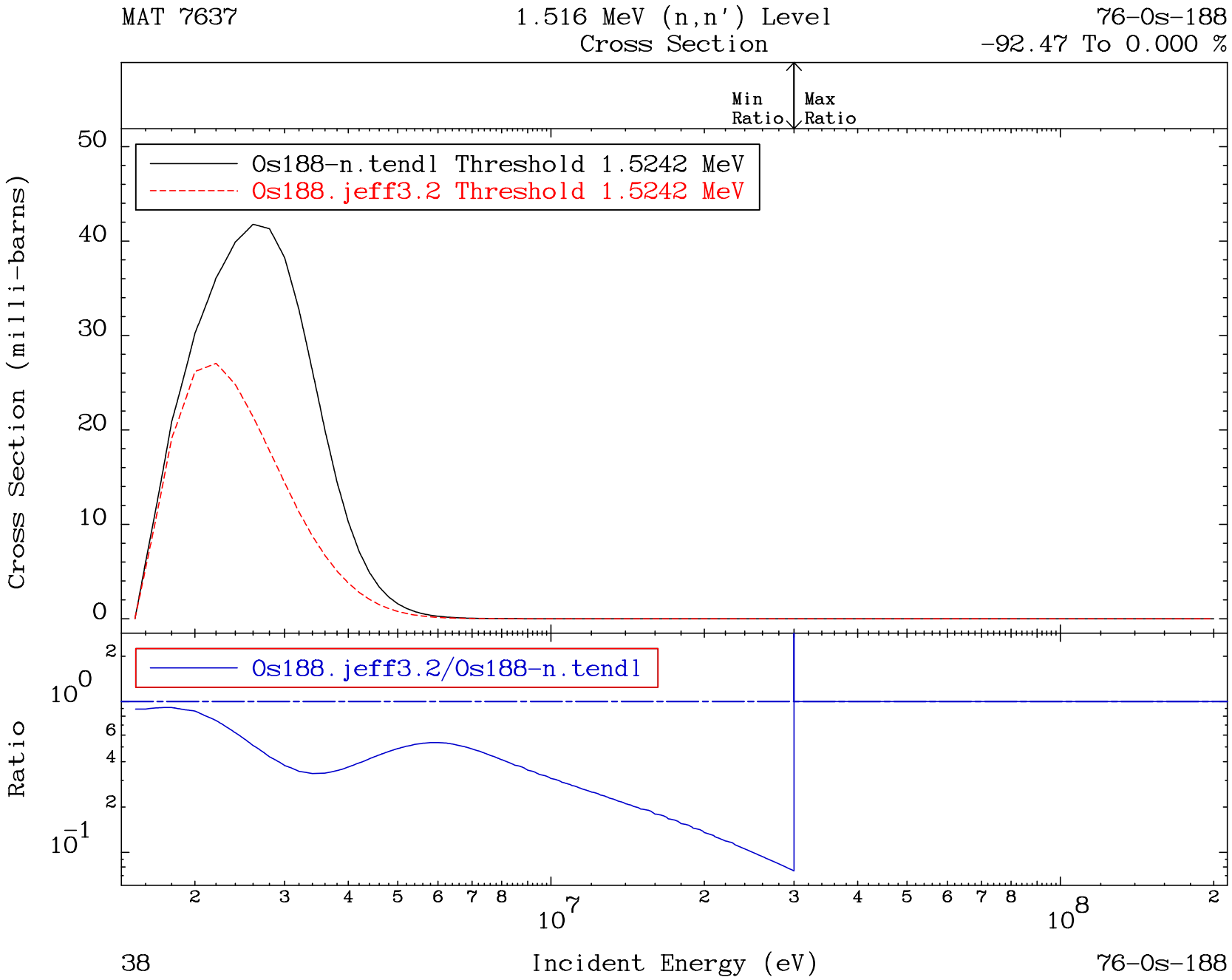

MAT 7637
1.444 MeV (n,n') Level
Cross Section
76-Os-188
-56.93 To 9999. %
Min
Ratio
Max
Ratio
Os188-n.tendl Threshold 1.4513 MeV
Os188.jeff3.2 Threshold 1.4513 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
10^12
10^8
10^4
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
76-Os-188

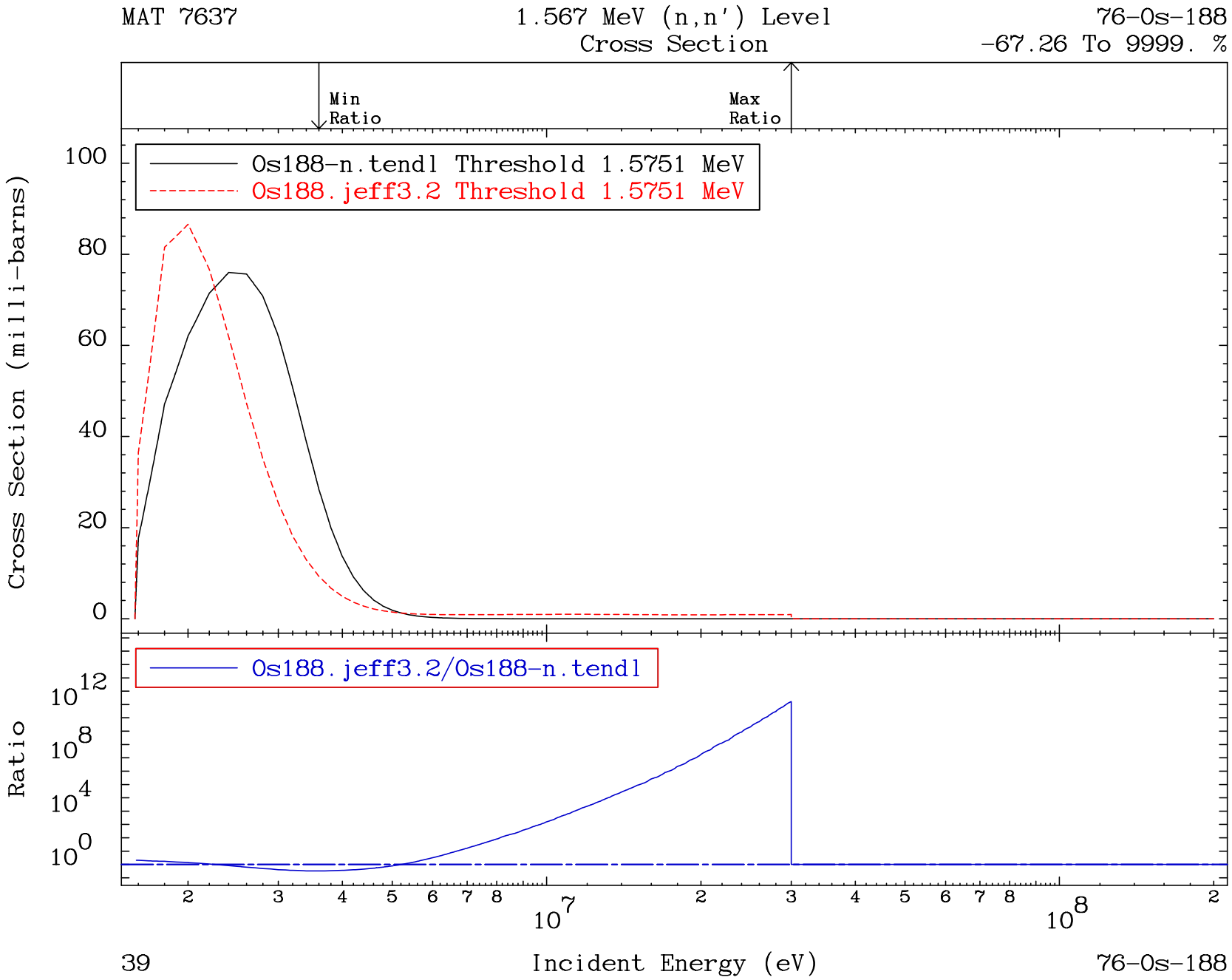

MAT 7637
1.458 MeV (n,n') Level
Cross Section
76-Os-188
-59.84 To 0.000 %
Min
Ratio
Max
Ratio
Os188-n.tendl Threshold 1.4654 MeV
Os188.jeff3.2 Threshold 1.4654 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
76-Os-188

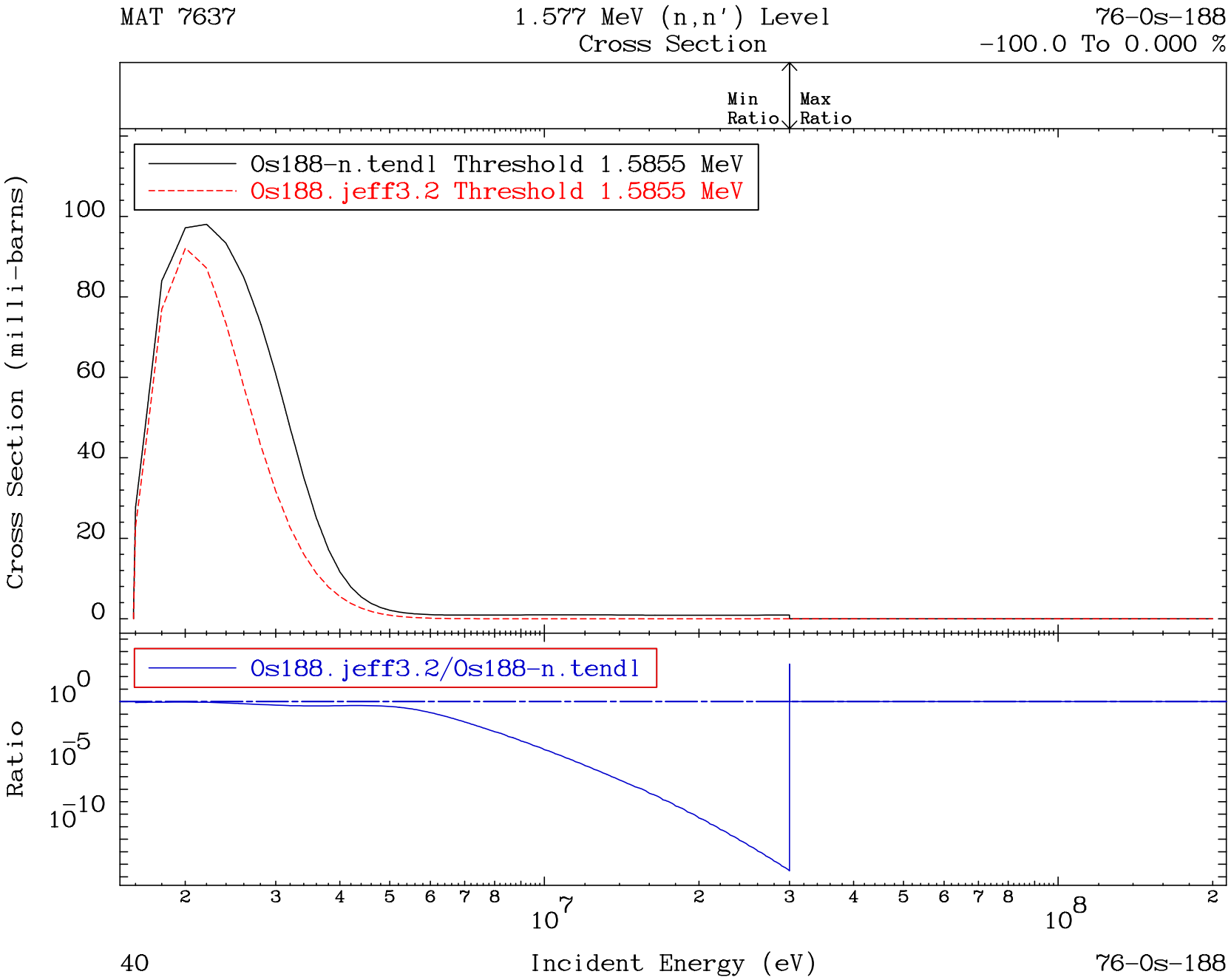

MAT 7637
1.463 MeV (n,n') Level
Cross Section
76-Os-188
-92.47 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.4704 MeV
Os188.jeff3.2 Threshold 1.4704 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
2
10^0
6
4
2
10^-1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
76-Os-188

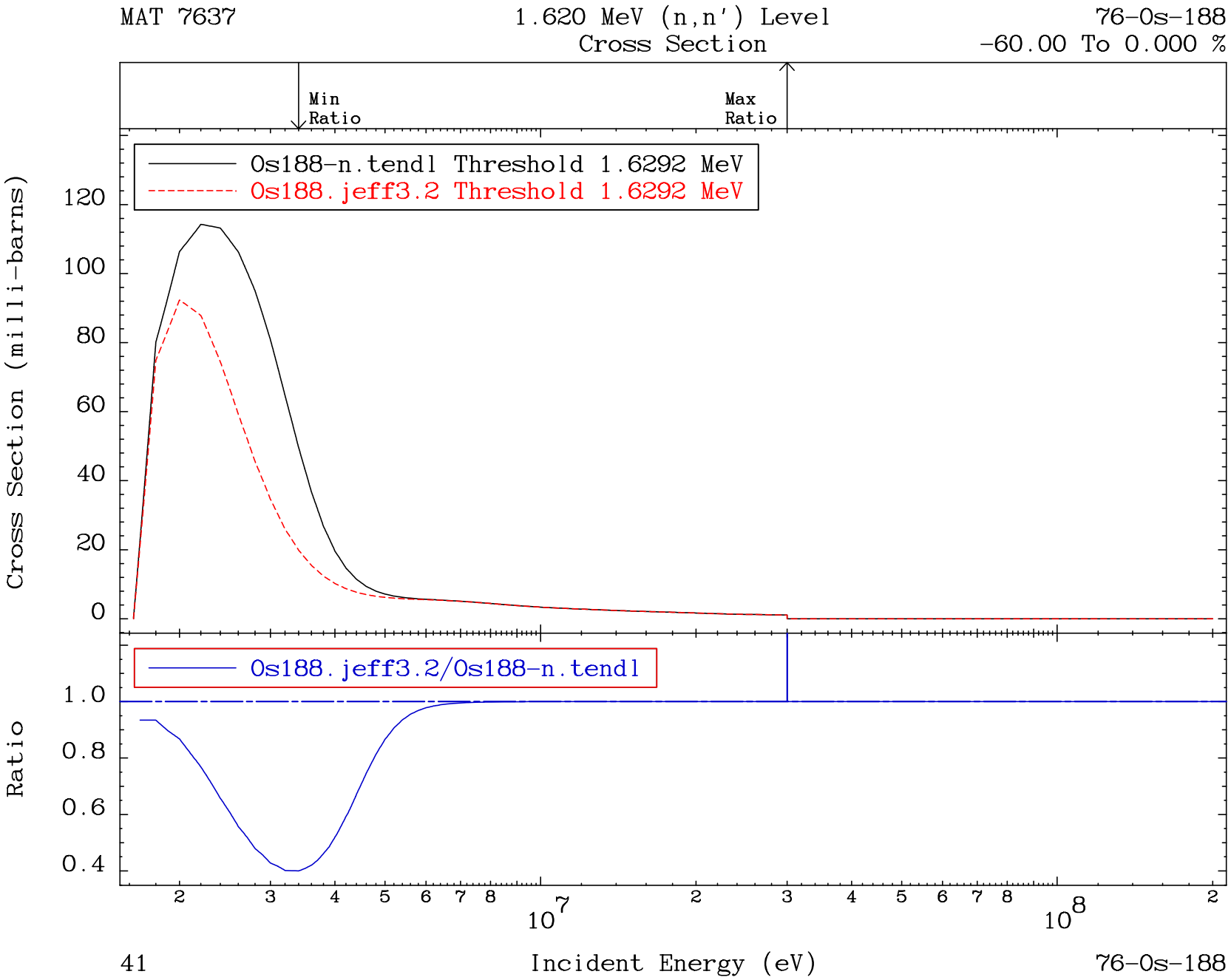

MAT 7637
1.478 MeV (n,n') Level
Cross Section
76-0s-188
-92.47 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.4860 MeV
0s188.jeff3.2 Threshold 1.4860 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
0s188.jeff3.2/0s188-n.tendl
Ratio
10^{0}
10^{-1}
2
6
4
2
2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
36
Incident Energy (eV)
76-0s-188

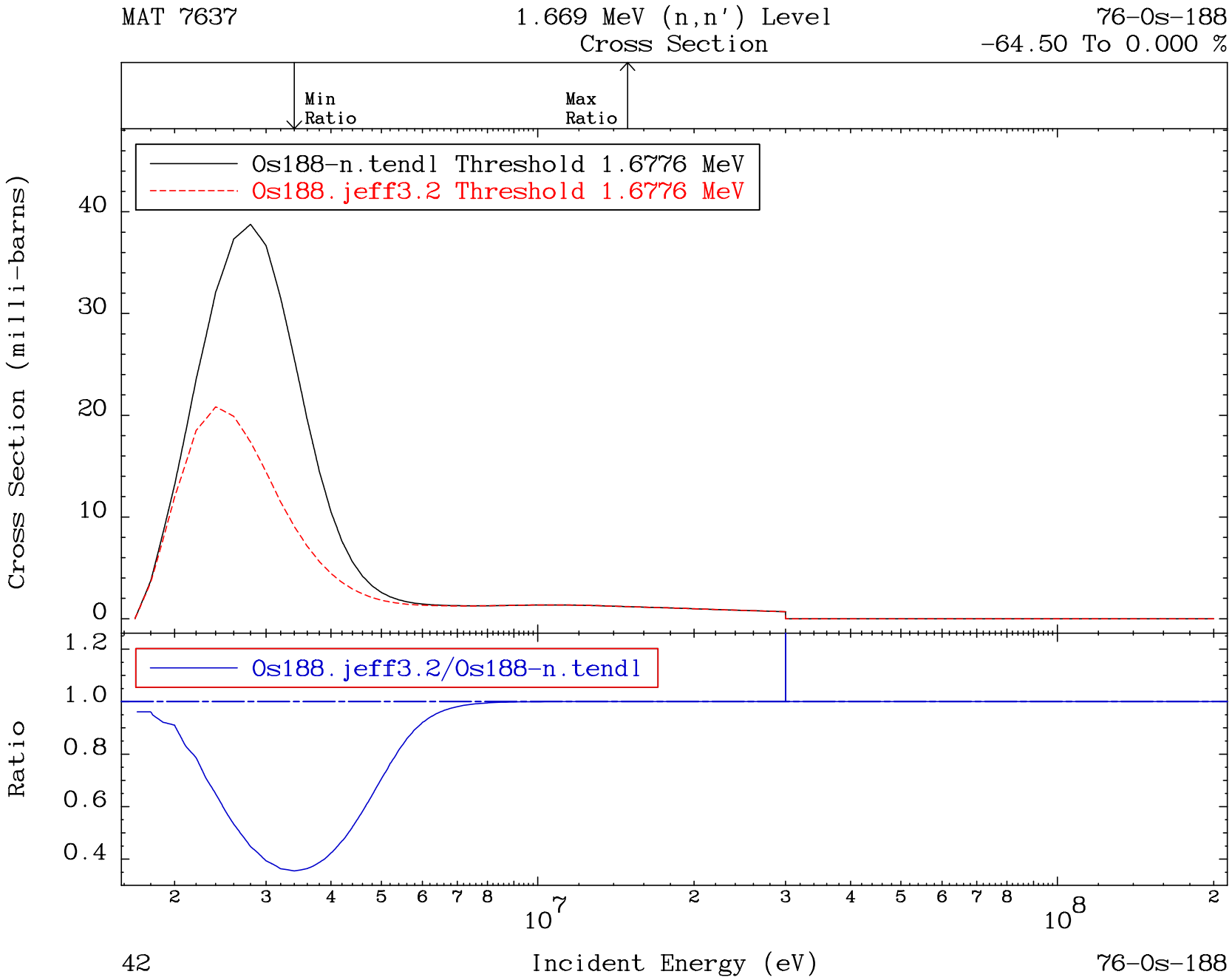

MAT 7637
1.515 MeV (n,n') Level
Cross Section
76-0s-188
-66.68 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.5228 MeV
0s188.jeff3.2 Threshold 1.5228 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
76-0s-188

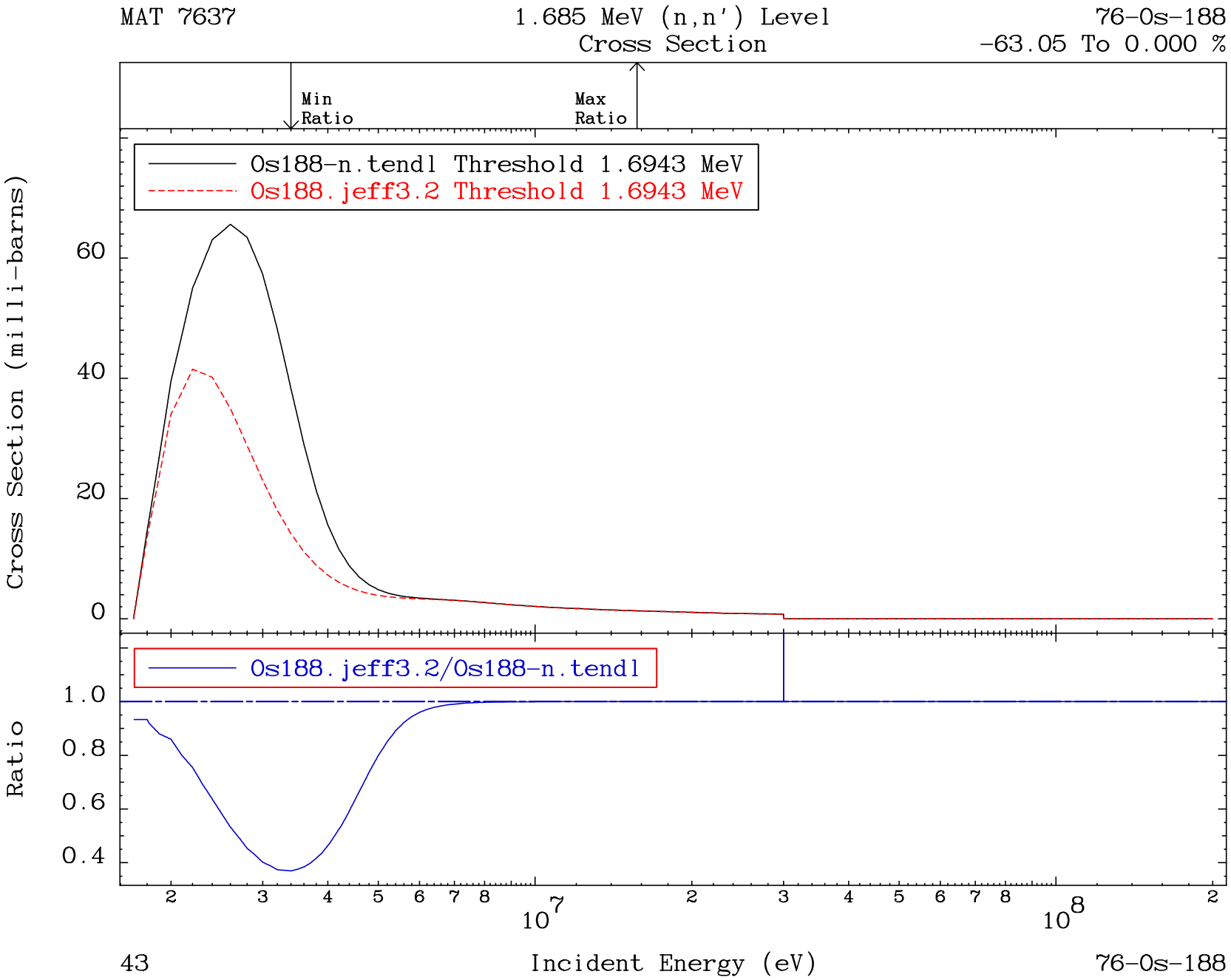

MAT 7637
1.516 MeV (n,n') Level
Cross Section
76-0s-188
-92.47 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.5242 MeV
0s188.jeff3.2 Threshold 1.5242 MeV
Cross Section (milli-barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
38
76-0s-188

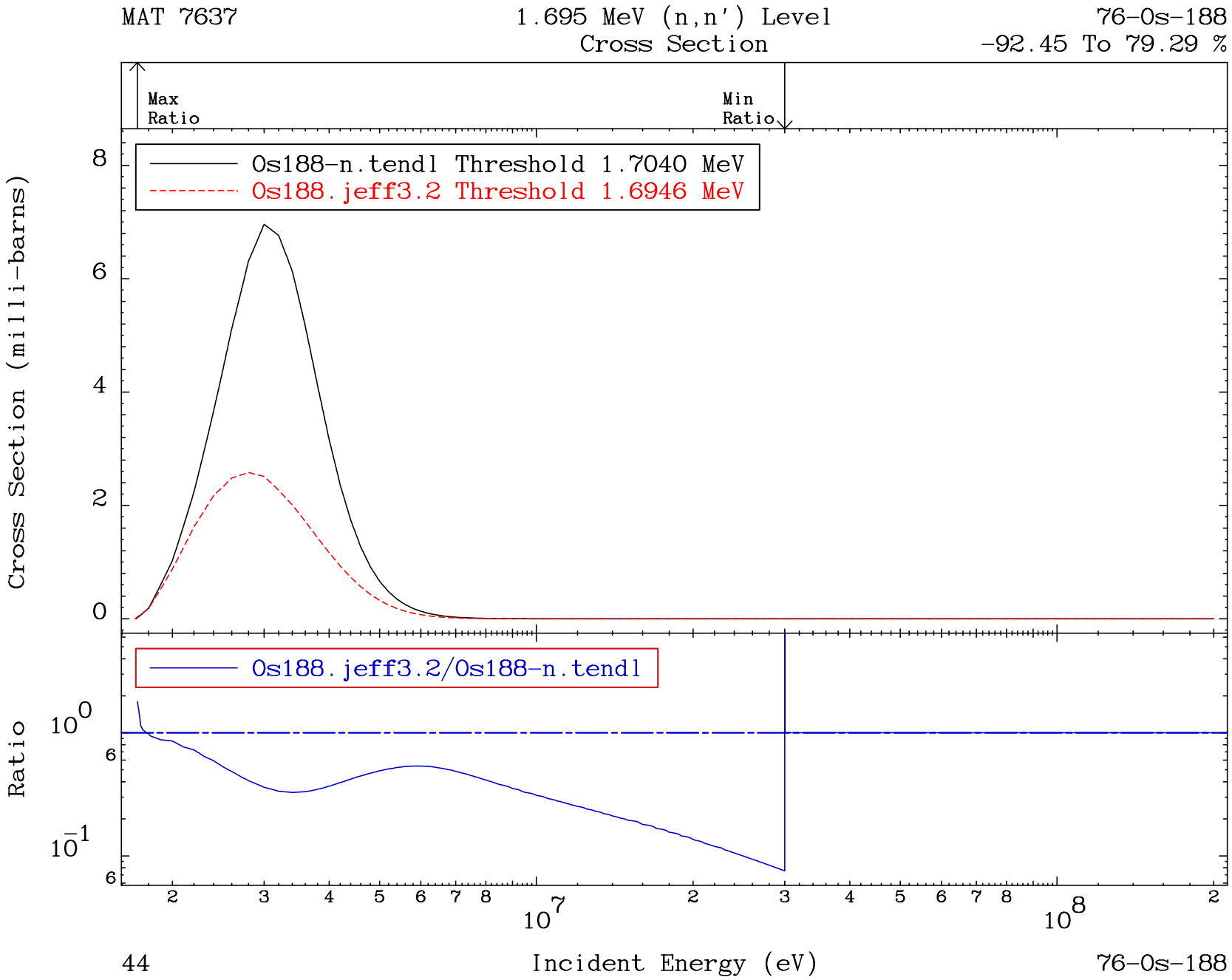

MAT 7637
1.567 MeV (n,n') Level
Cross Section
76-Os-188
-67.26 To 9999. %
Min
Ratio
Max
Ratio
Os188-n.tendl Threshold 1.5751 MeV
Os188.jeff3.2 Threshold 1.5751 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
10^12
10^8
10^4
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
39
Incident Energy (eV)
76-Os-188

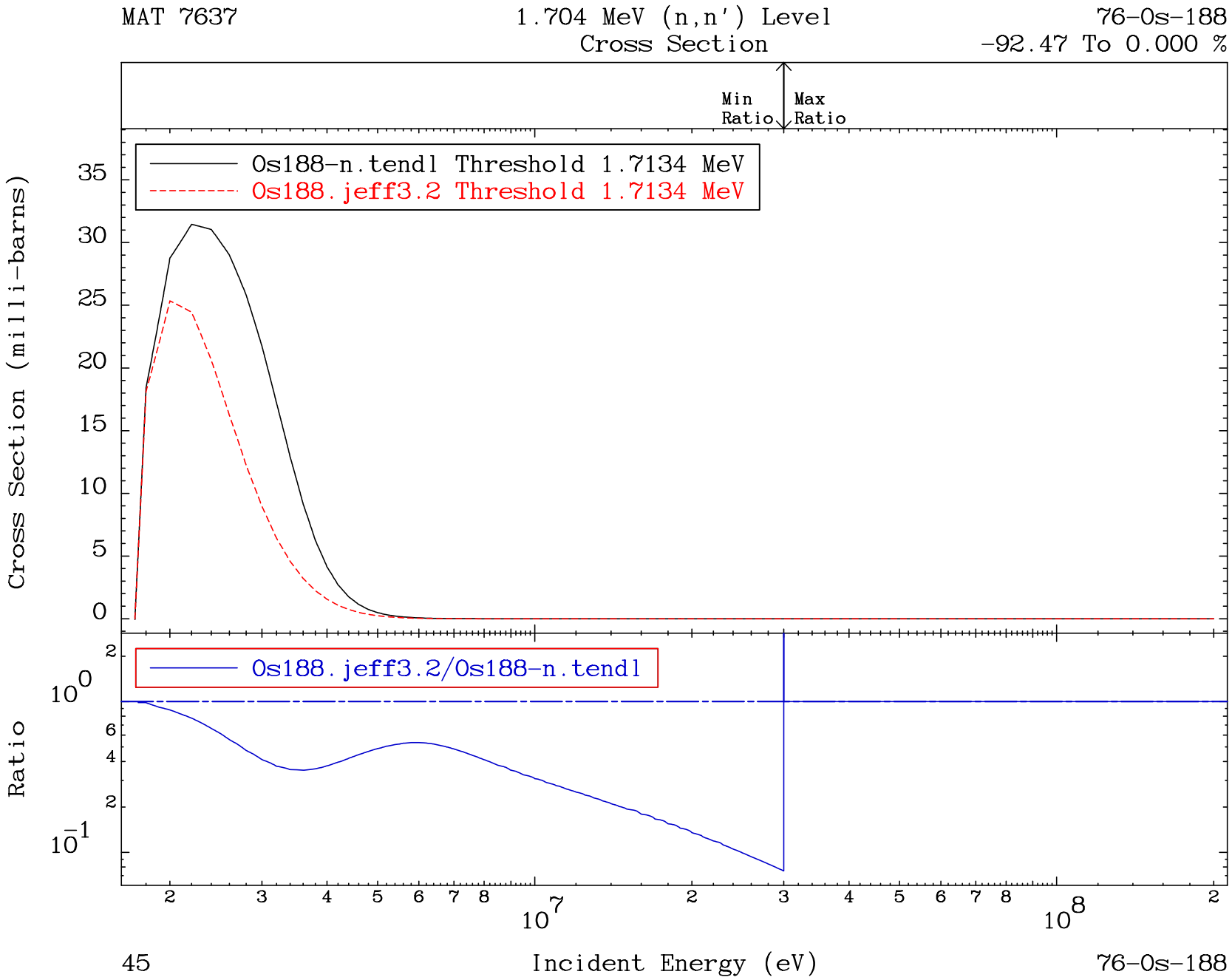

MAT 7637
1.577 MeV (n,n') Level
Cross Section
76-0s-188
-100.0 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.5855 MeV
0s188.jeff3.2 Threshold 1.5855 MeV
Cross Section (milli-barns)
0
20
40
60
80
100
0s188.jeff3.2/0s188-n.tendl
Ratio
10^0
10^-5
10^-10
2
3
4
5
6
7
8
10^7
10^8
40
Incident Energy (eV)
76-0s-188

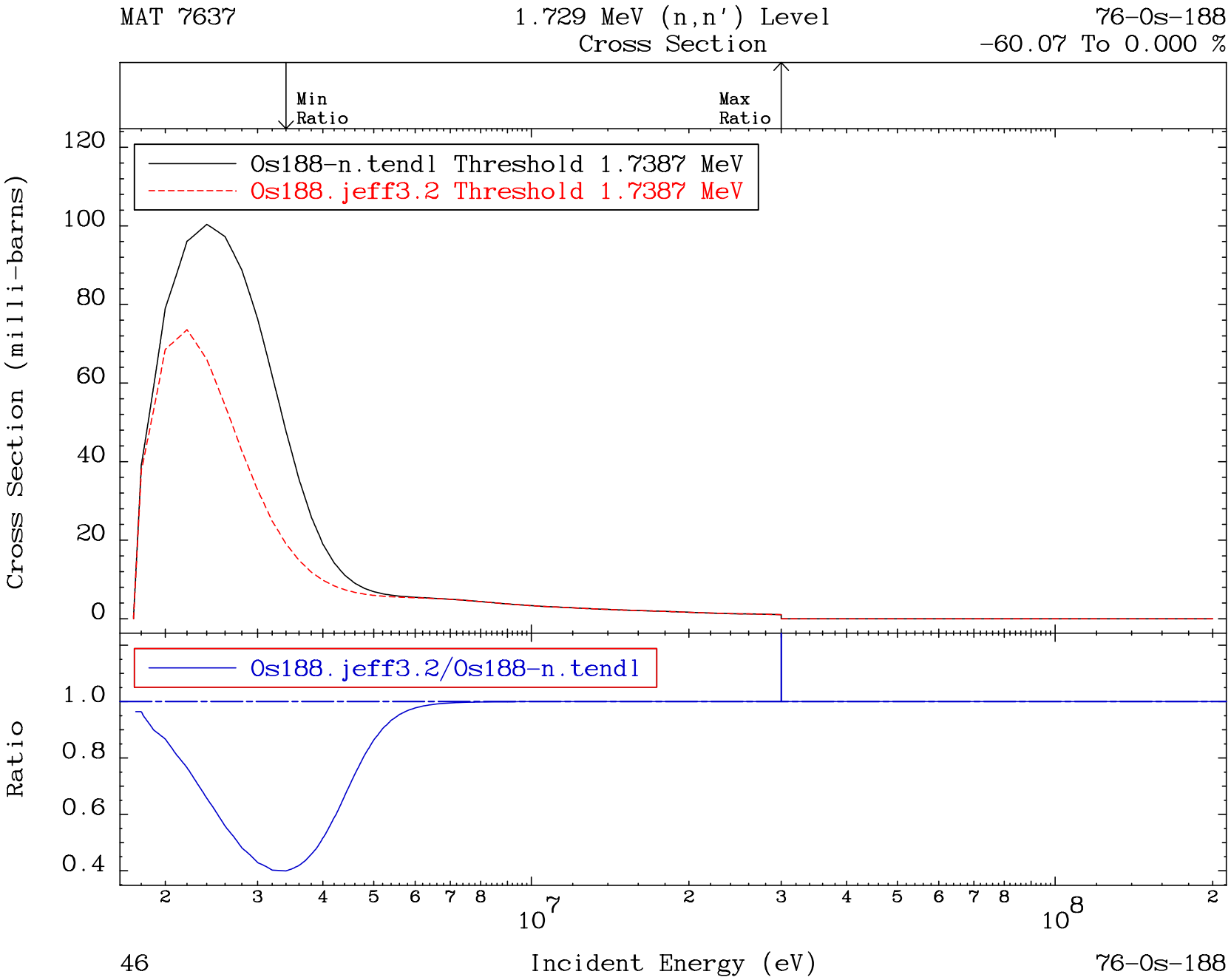

MAT 7637
1.620 MeV (n,n') Level
Cross Section
76-Os-188
-60.00 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.6292 MeV
Os188.jeff3.2 Threshold 1.6292 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
41
Incident Energy (eV)
76-Os-188

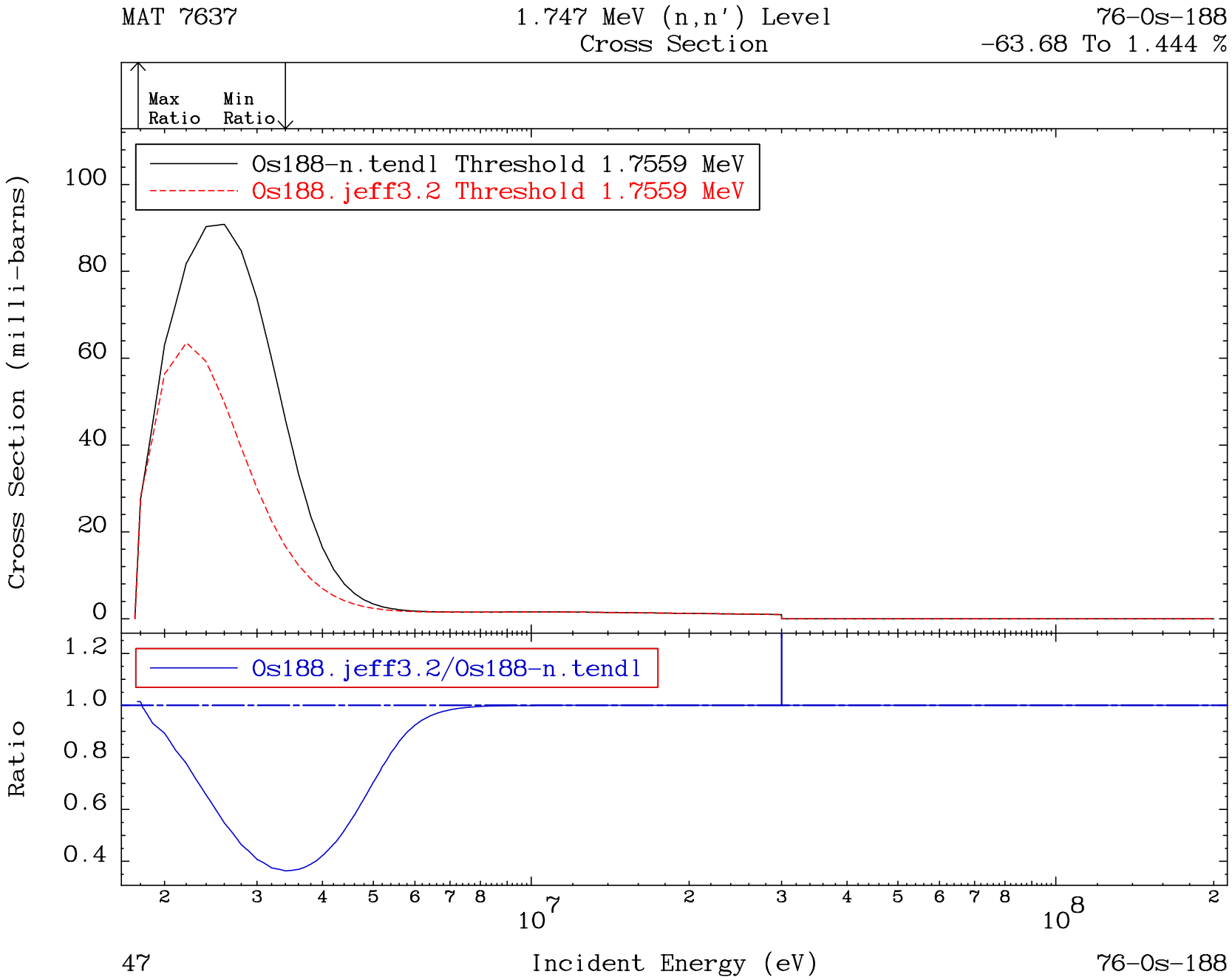

MAT 7637
1.669 MeV (n,n') Level
Cross Section
76-0s-188
-64.50 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.6776 MeV
0s188.jeff3.2 Threshold 1.6776 MeV
Cross Section (milli-barns)
40
30
20
10
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
76-0s-188

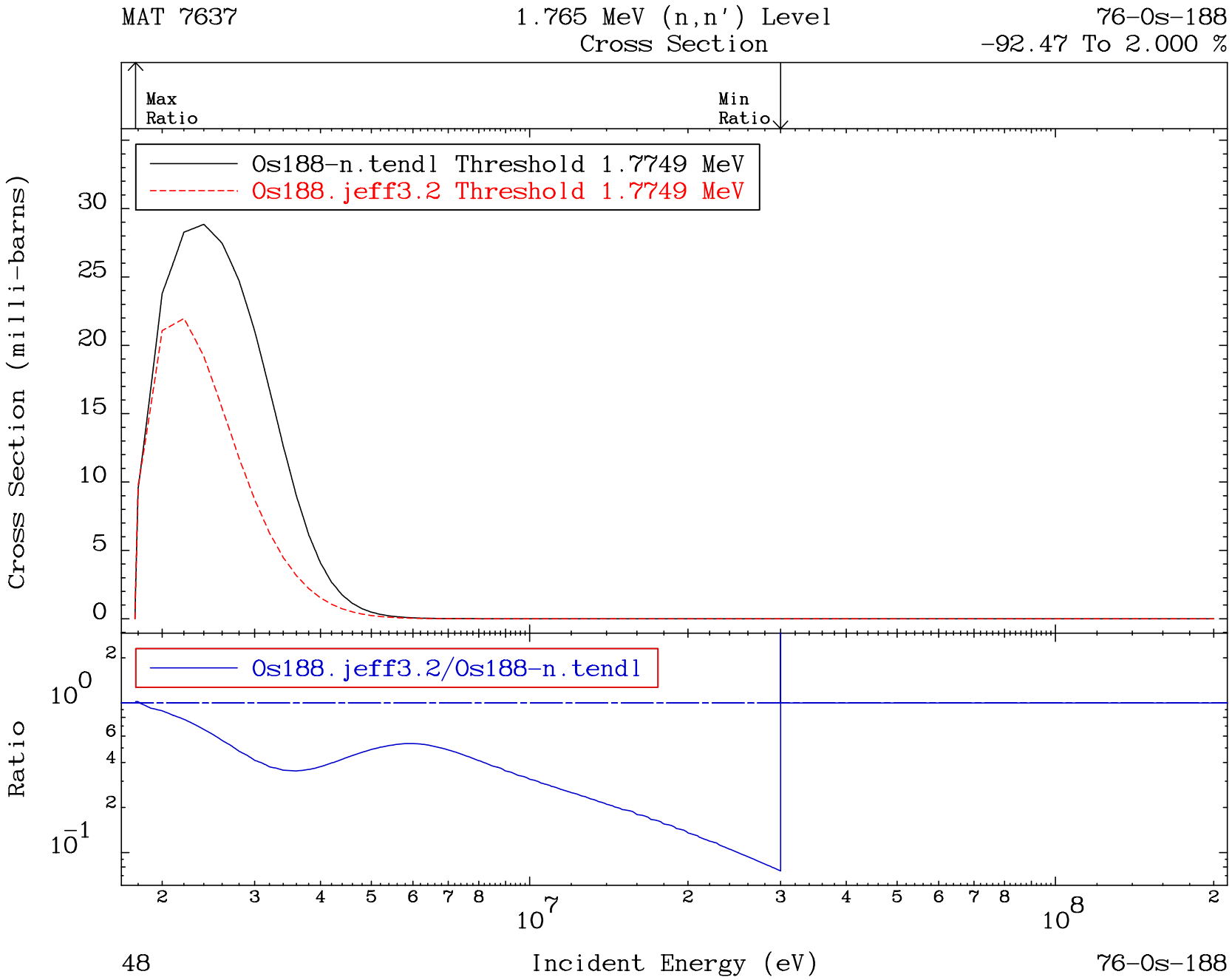

MAT 7637
1.685 MeV (n,n') Level
Cross Section
76-Os-188
-63.05 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.6943 MeV
Os188.jeff3.2 Threshold 1.6943 MeV
Cross Section (milli-barns)
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
76-Os-188

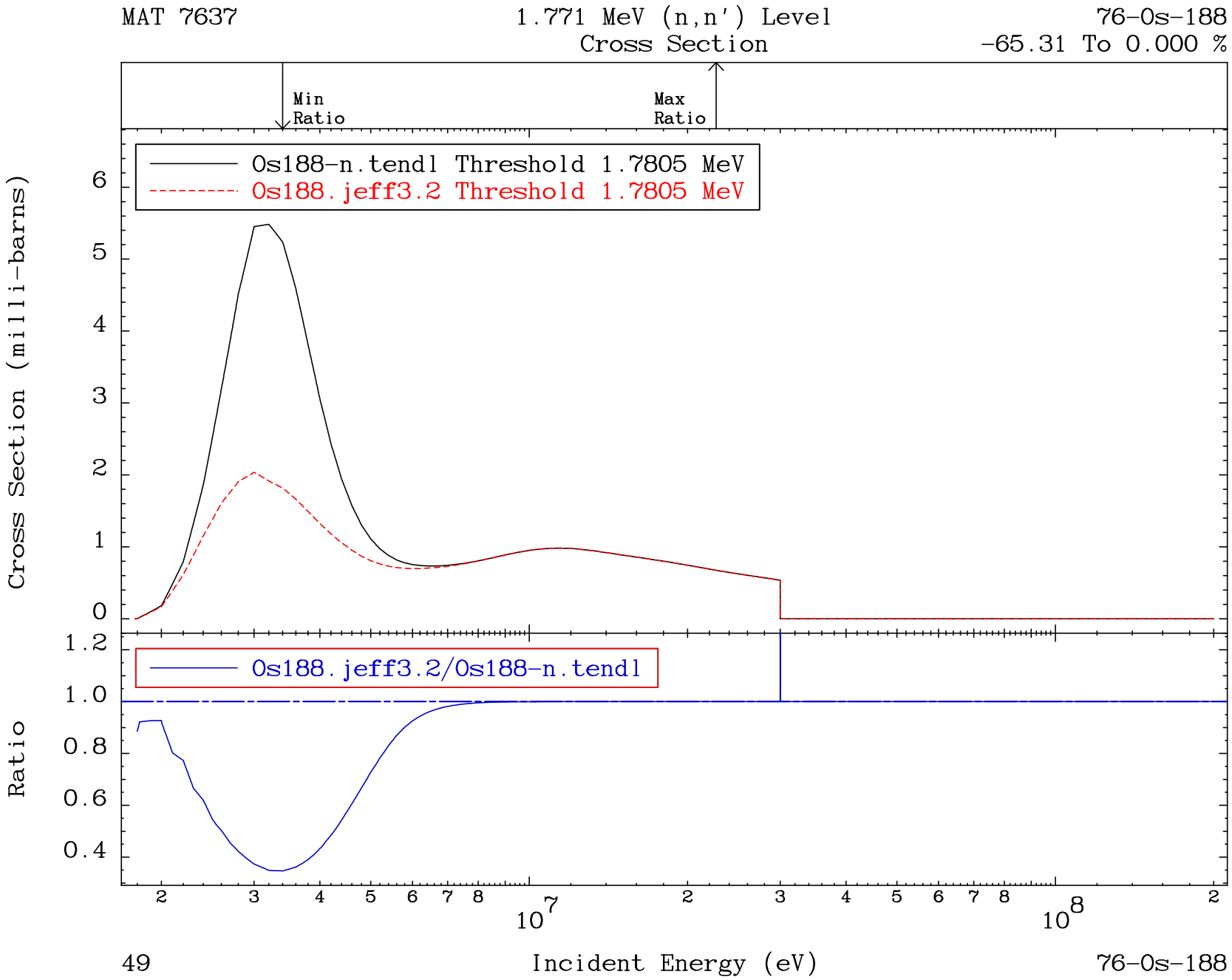

MAT 7637
1.695 MeV (n,n') Level
Cross Section
76-Os-188
-92.45 To 79.29 %
Max
Ratio
Min
Ratio
Os188-n.tendl Threshold 1.7040 MeV
Os188.jeff3.2 Threshold 1.6946 MeV
Cross Section (milli-barns)
0
2
4
6
8
Os188.jeff3.2/Os188-n.tendl
Ratio
10^0
10^-1
6
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
44
76-Os-188

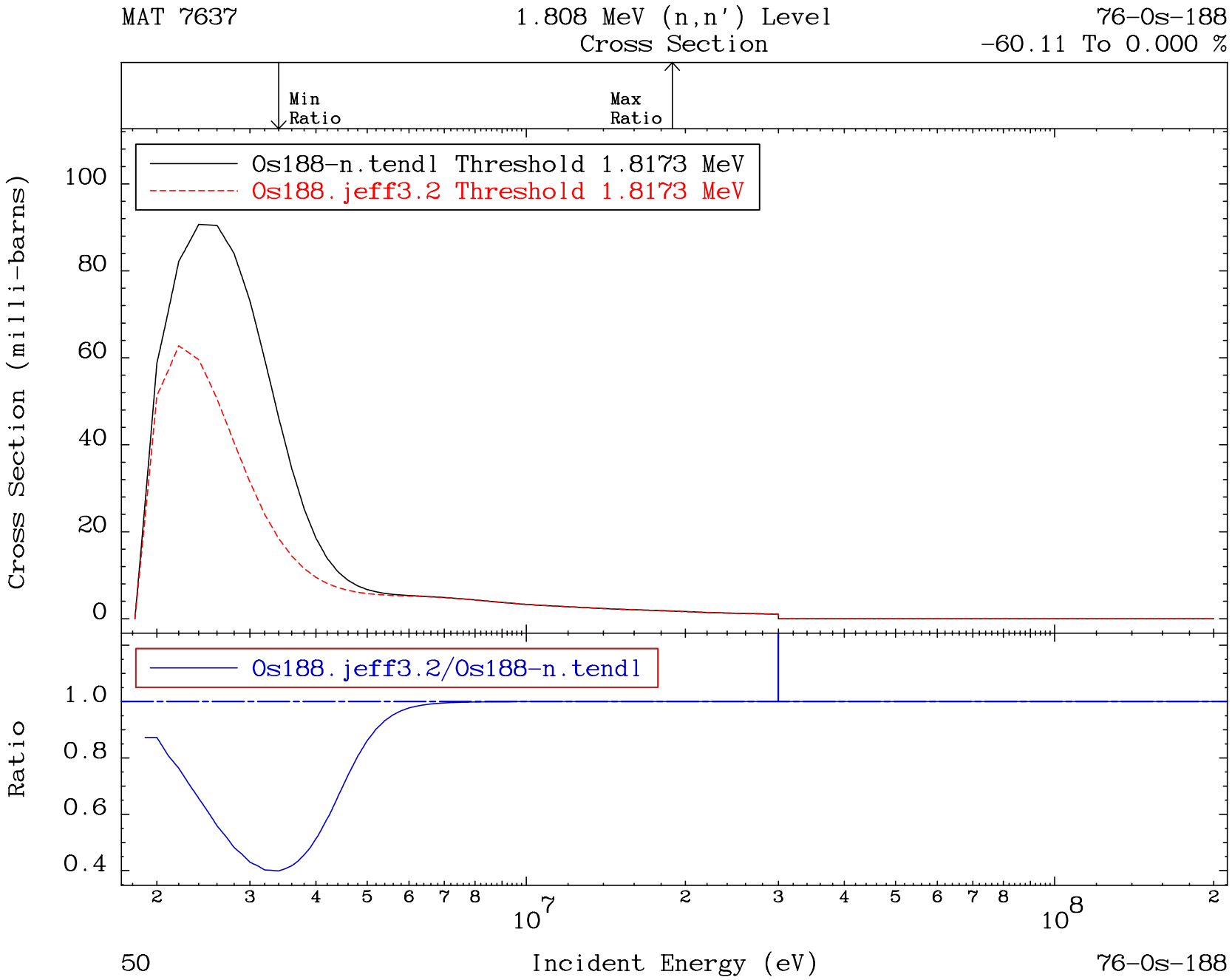

MAT 7637
1.704 MeV (n,n') Level
Cross Section
76-0s-188
-92.47 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.7134 MeV
0s188.jeff3.2 Threshold 1.7134 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
30
35
0s188.jeff3.2/0s188-n.tendl
Ratio
10^{0}
10^{-1}
2
6
4
2
2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
45
Incident Energy (eV)
76-0s-188

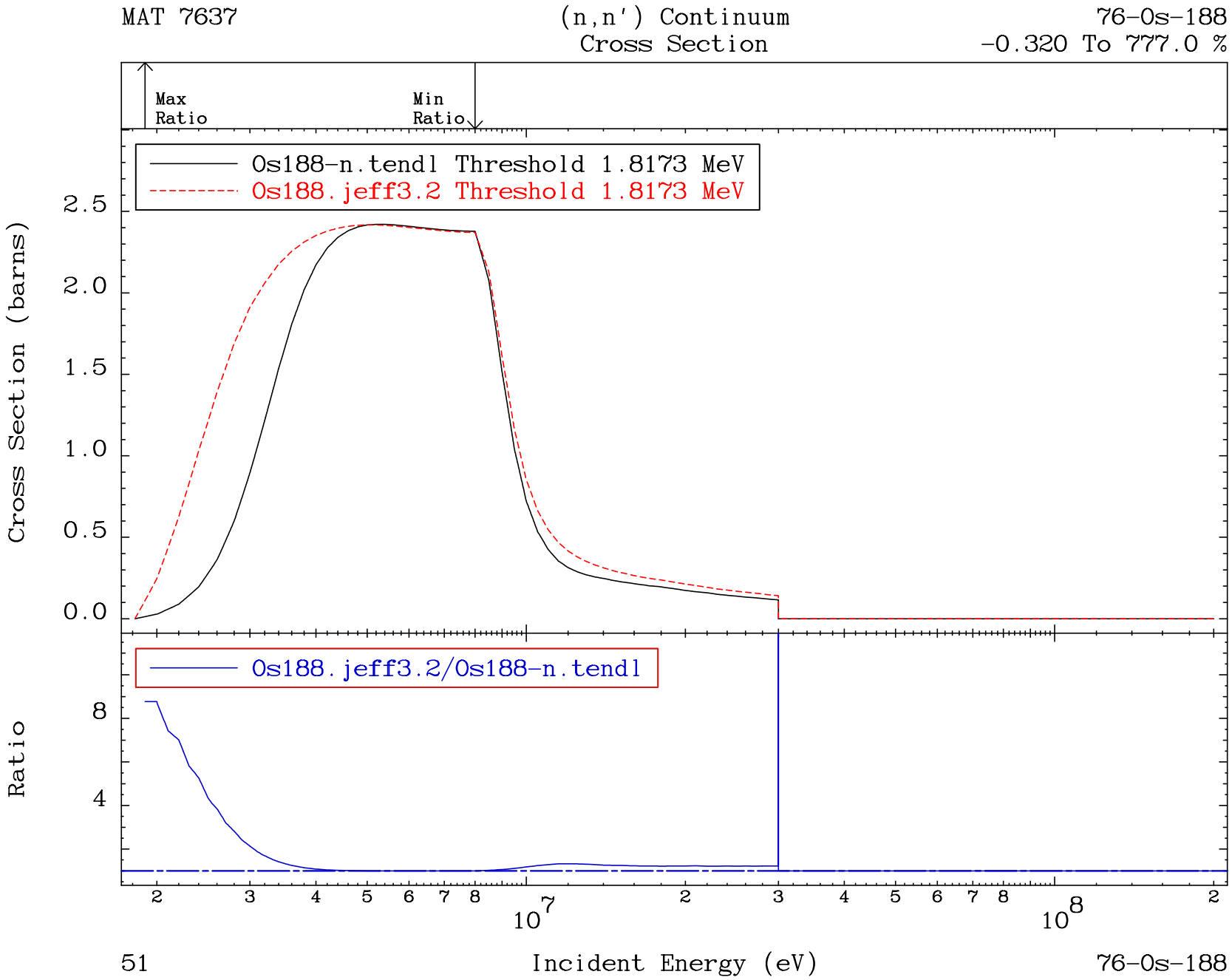

MAT 7637
1.729 MeV (n,n') Level
Cross Section
76-Os-188
-60.07 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.7387 MeV
Os188.jeff3.2 Threshold 1.7387 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
76-Os-188

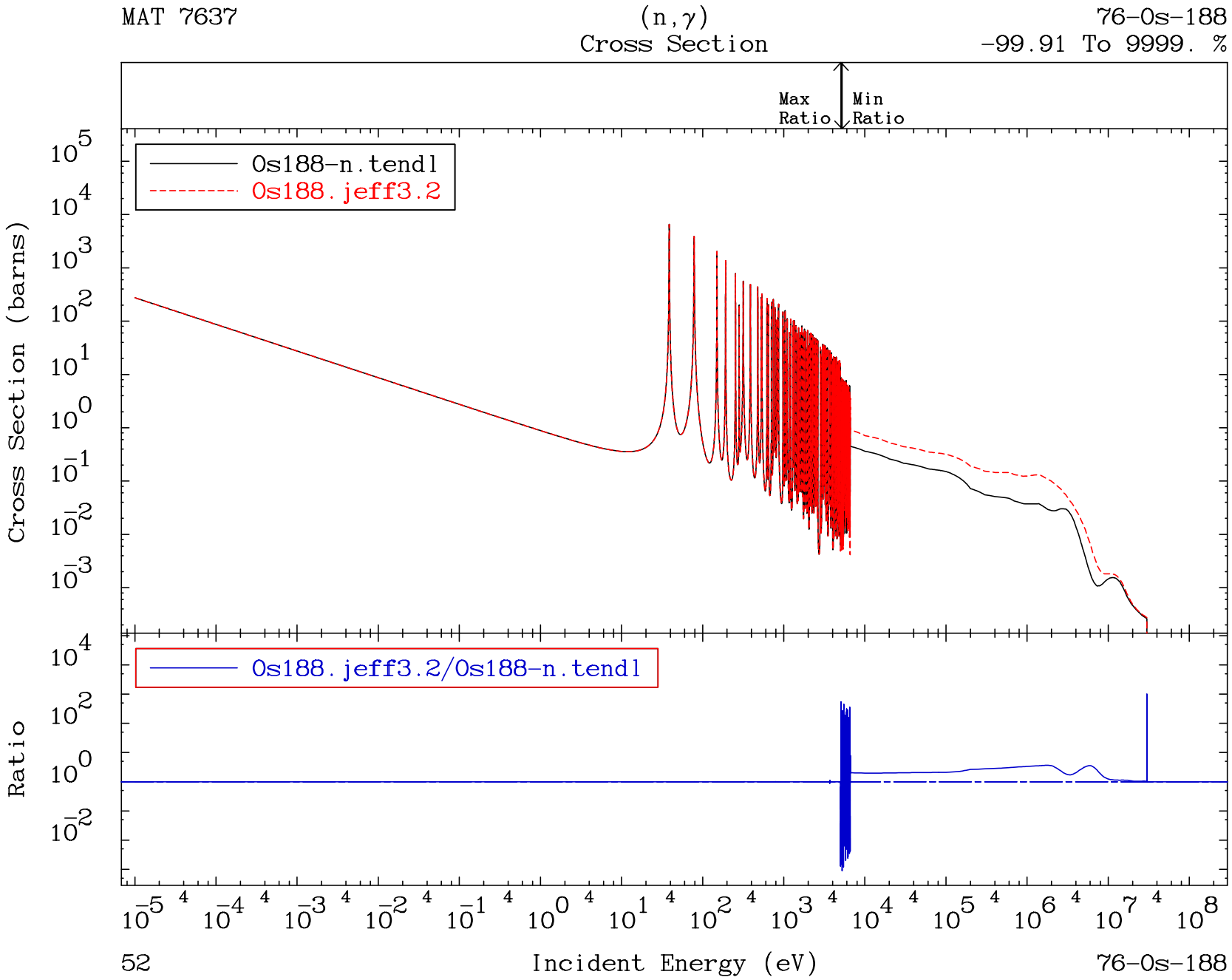

MAT 7637
1.747 MeV (n,n') Level
Cross Section
76-Os-188
-63.68 To 1.444 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 1.7559 MeV
Os188.jeff3.2 Threshold 1.7559 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
10^8
47
Incident Energy (eV)
76-Os-188

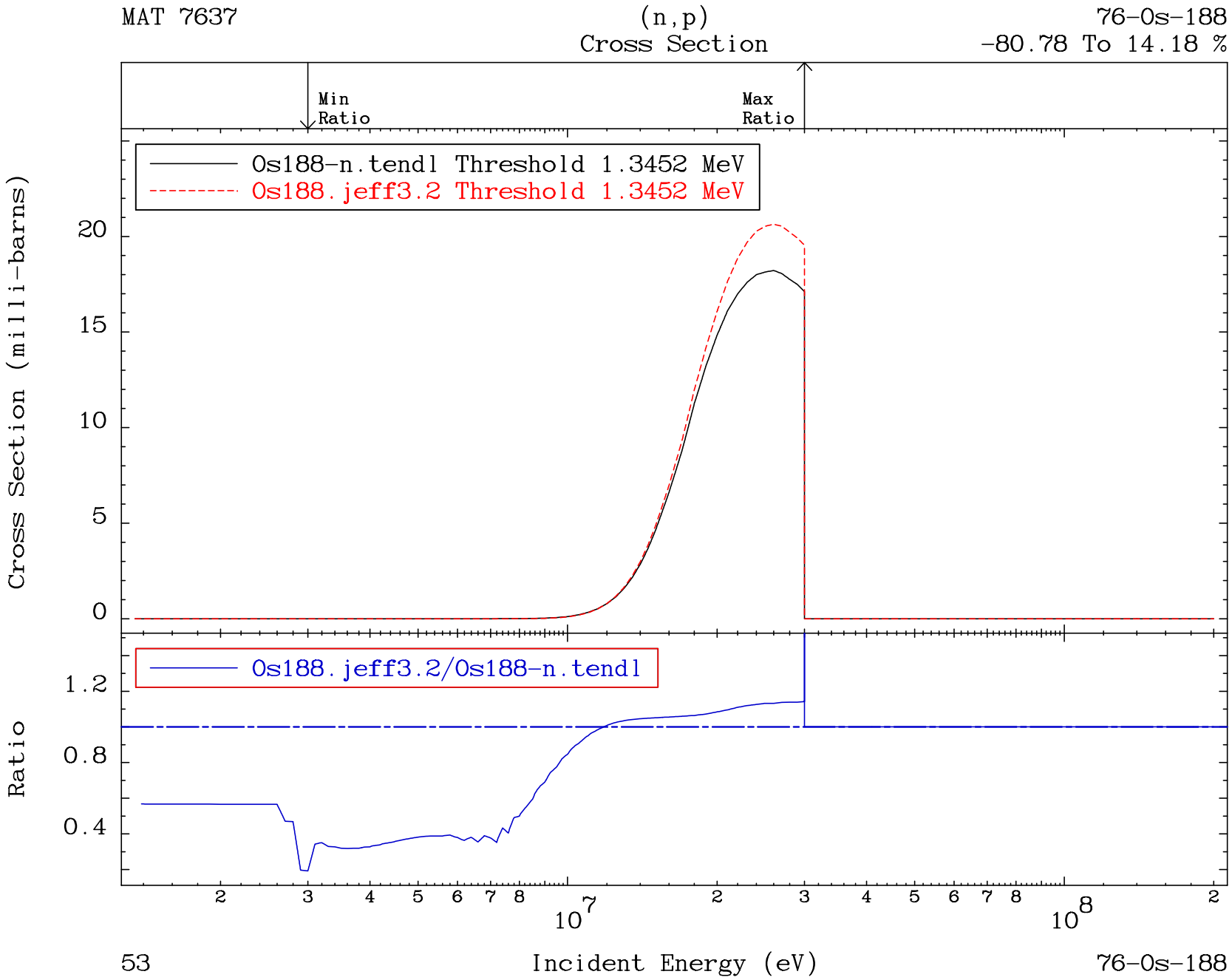

MAT 7637
1.765 MeV (n,n') Level
Cross Section
76-Os-188
-92.47 To 2.000 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 1.7749 MeV
Os188.jeff3.2 Threshold 1.7749 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
Os188.jeff3.2/Os188-n.tendl
Ratio
2
10^0
6
4
2
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
76-Os-188

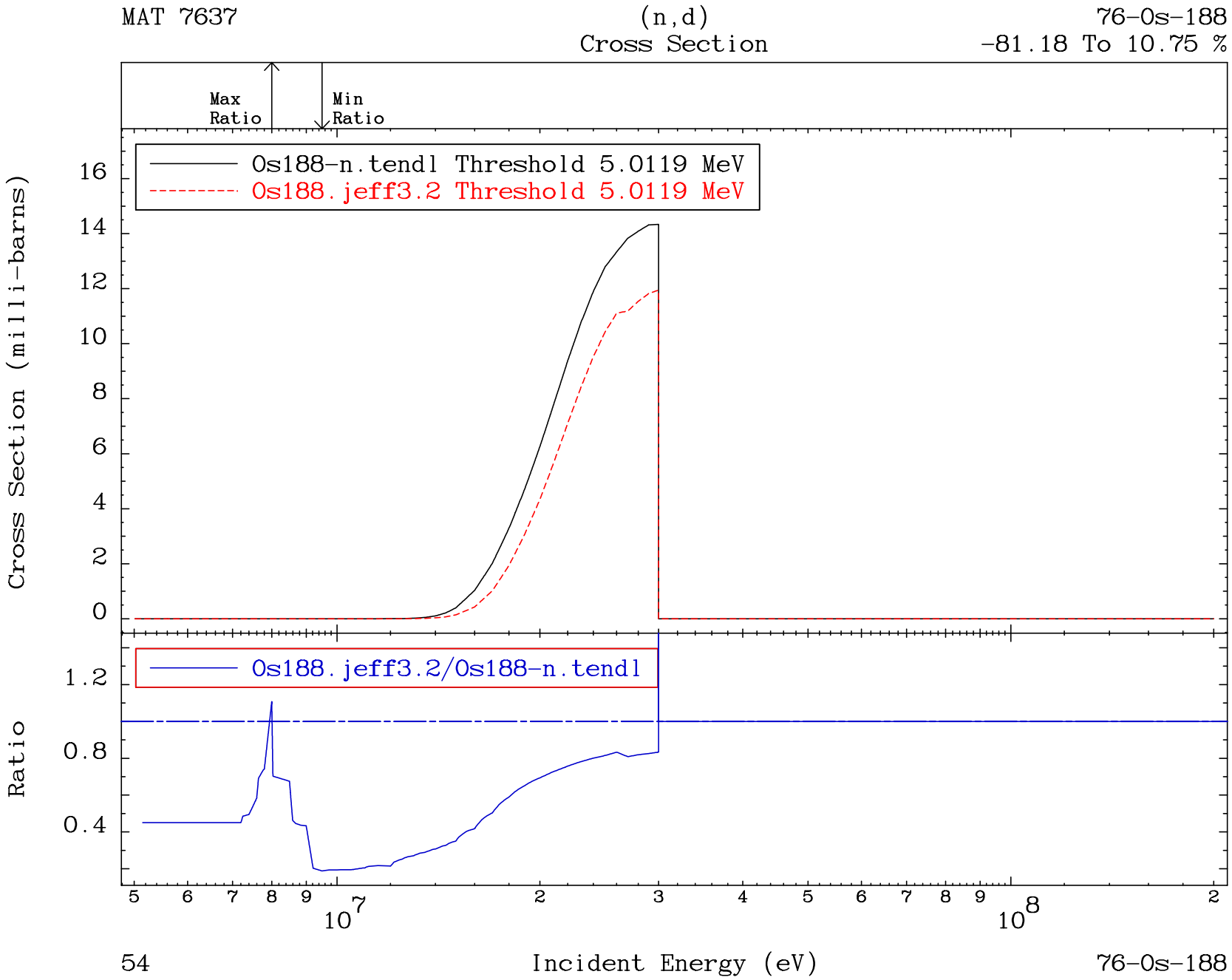

MAT 7637
1.771 MeV (n,n') Level
Cross Section
76-0s-188
-65.31 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.7805 MeV
0s188.jeff3.2 Threshold 1.7805 MeV
Cross Section (milli-barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
49
76-0s-188

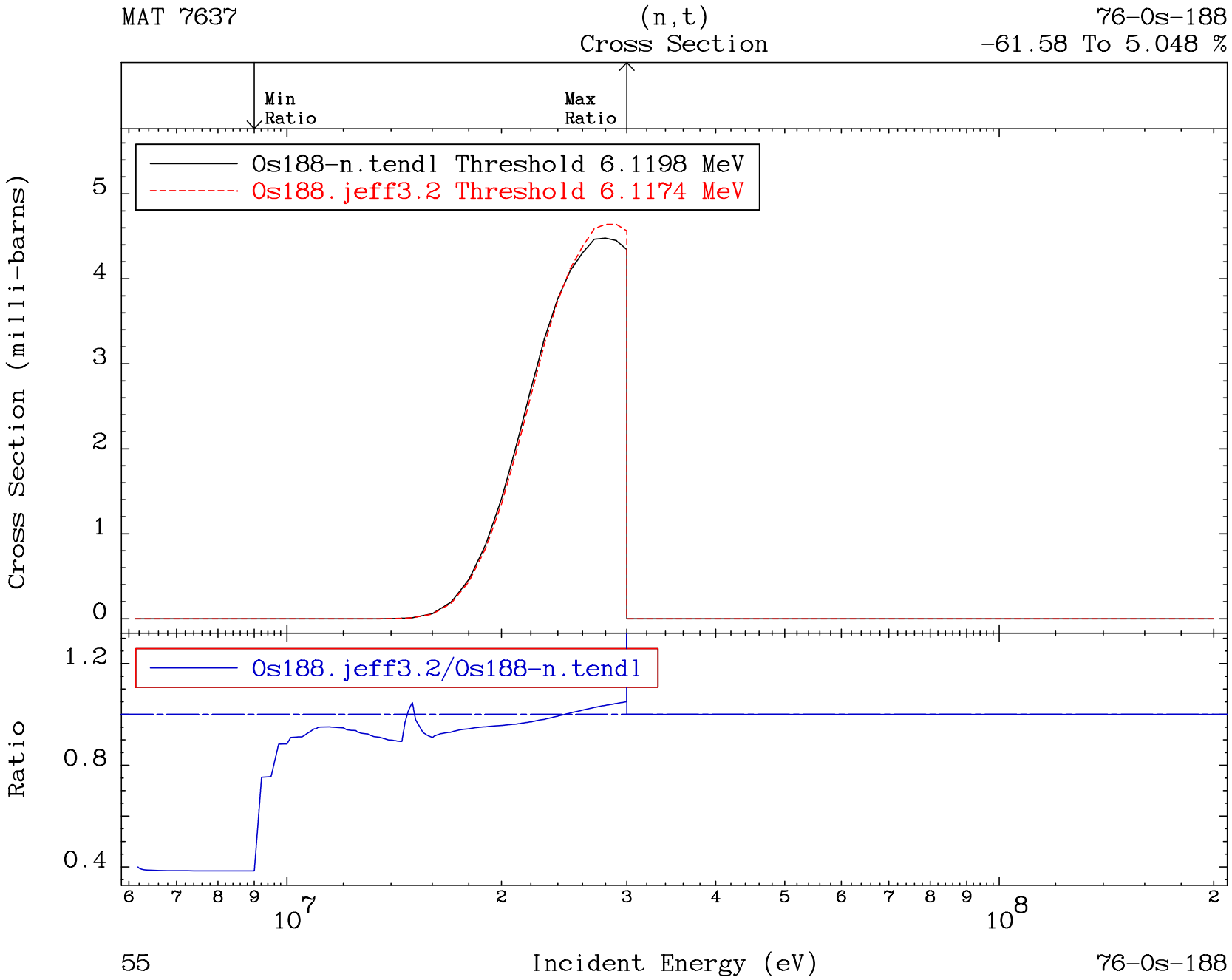

MAT 7637
1.808 MeV (n,n') Level
Cross Section
76-0s-188
-60.11 To 0.000 %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.8173 MeV
0s188.jeff3.2 Threshold 1.8173 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
50
Incident Energy (eV)
76-0s-188

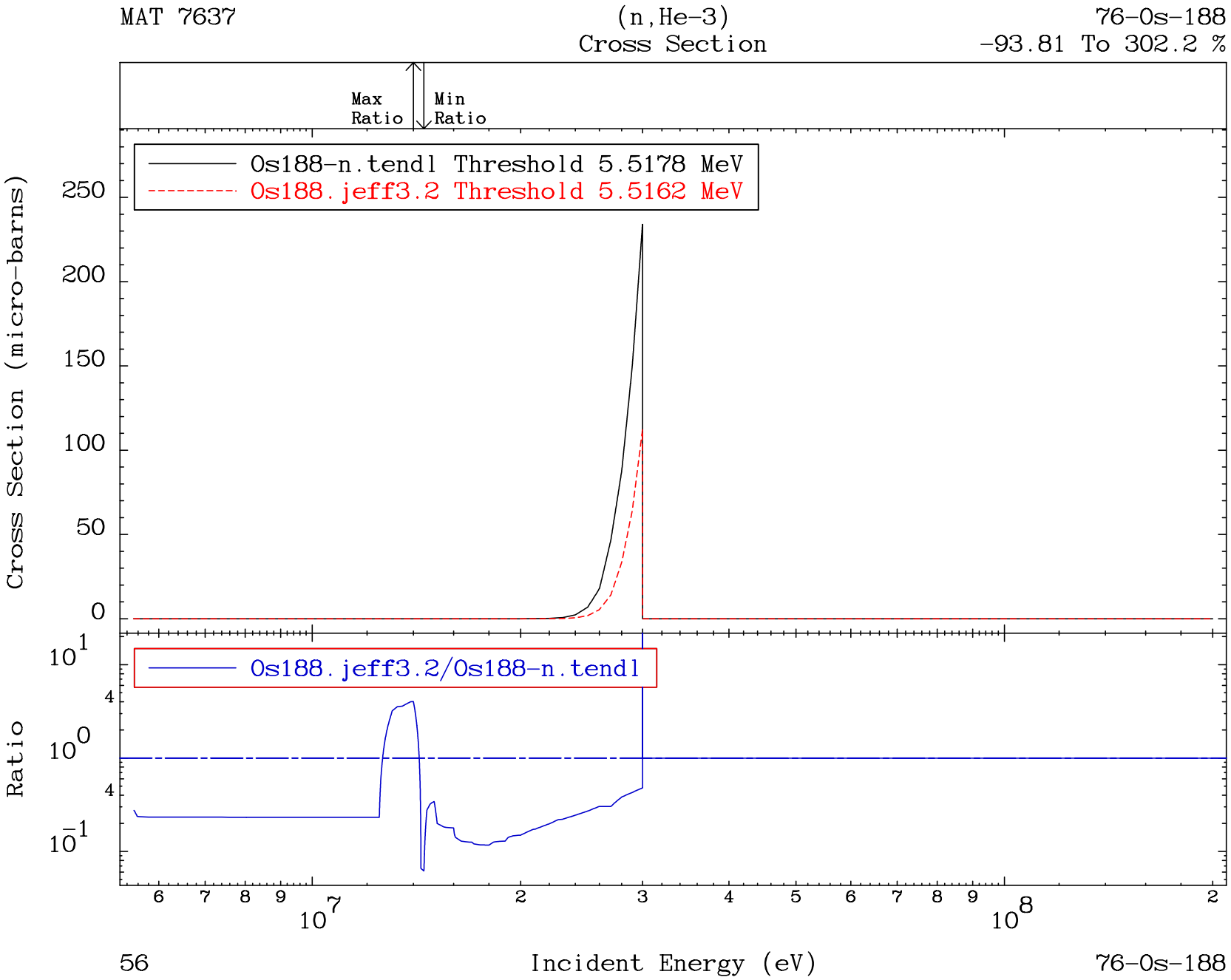

MAT 7637
(n,n') Continuum
Cross Section
76-0s-188
-0.320 To 777.0 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.8173 MeV
0s188.jeff3.2 Threshold 1.8173 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
0s188.jeff3.2/0s188-n.tendl
Ratio
8
4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
76-0s-188

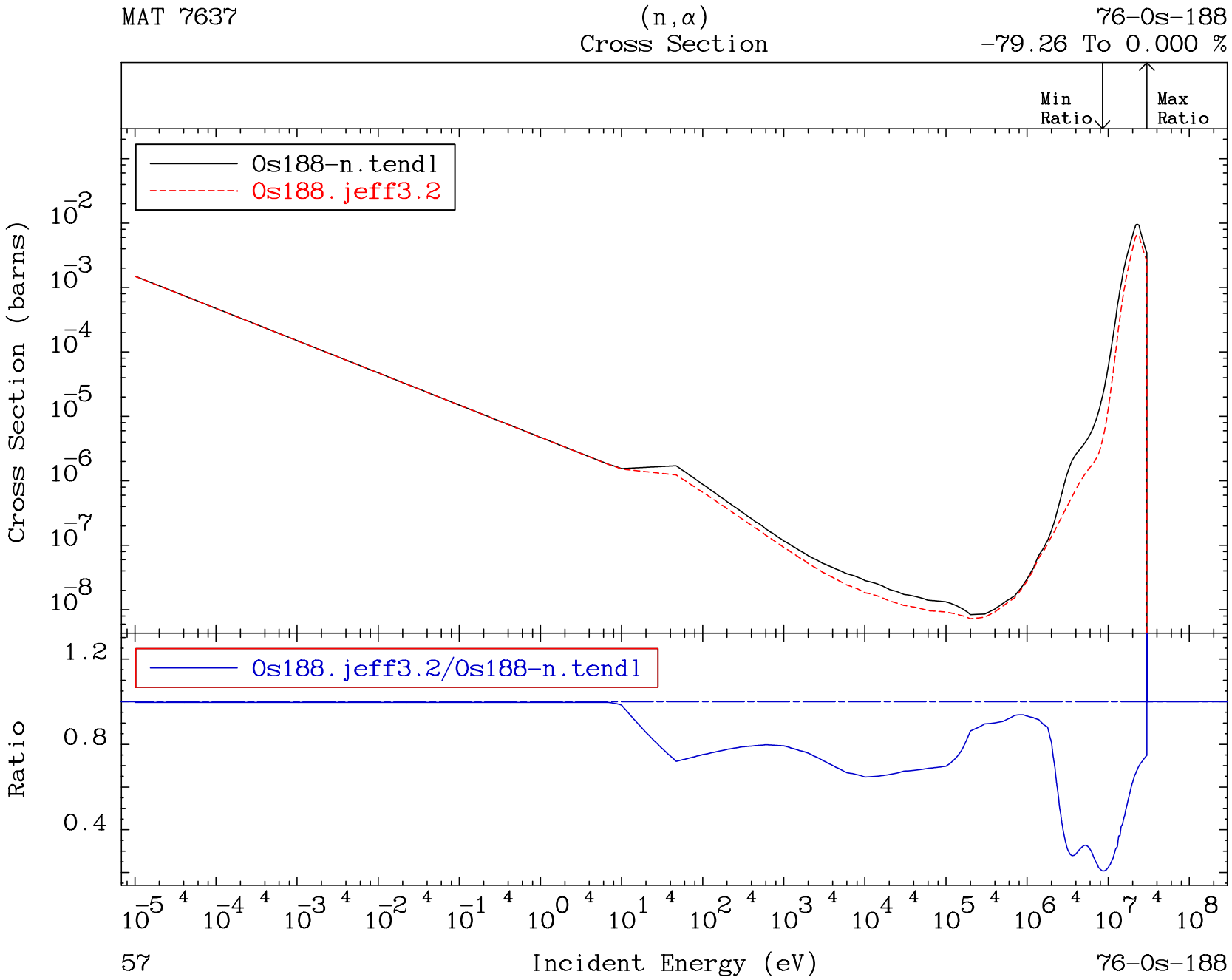

MAT 7637
(n,γ)
Cross Section
76-Os-188
-99.91 To 9999. %
Max Ratio
Min Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
52
76-Os-188

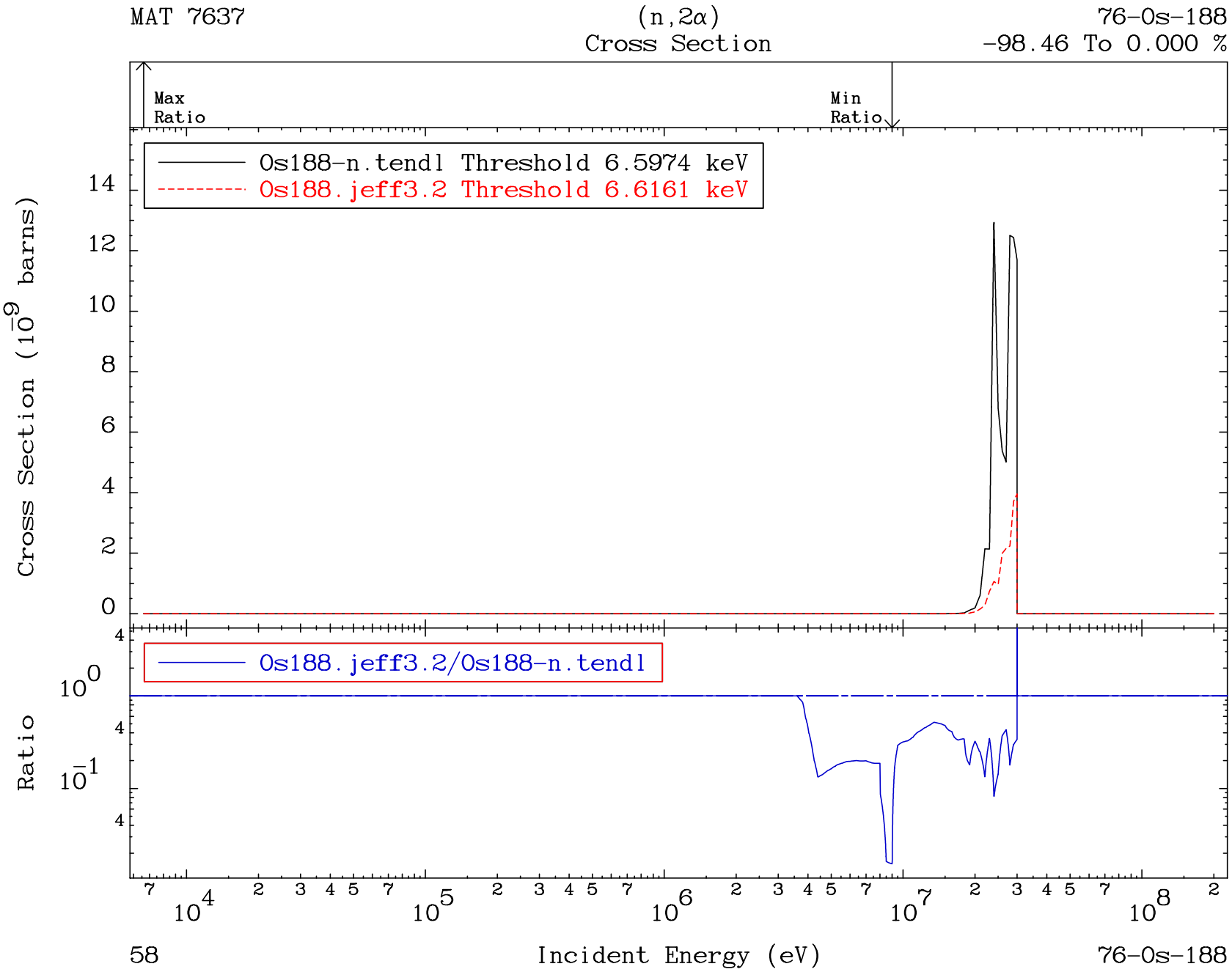

MAT 7637
(n,p)
Cross Section
76-Os-188
-80.78 To 14.18 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.3452 MeV
Os188.jeff3.2 Threshold 1.3452 MeV
Cross Section (milli-barns)
20
15
10
5
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
53
Incident Energy (eV)
76-Os-188

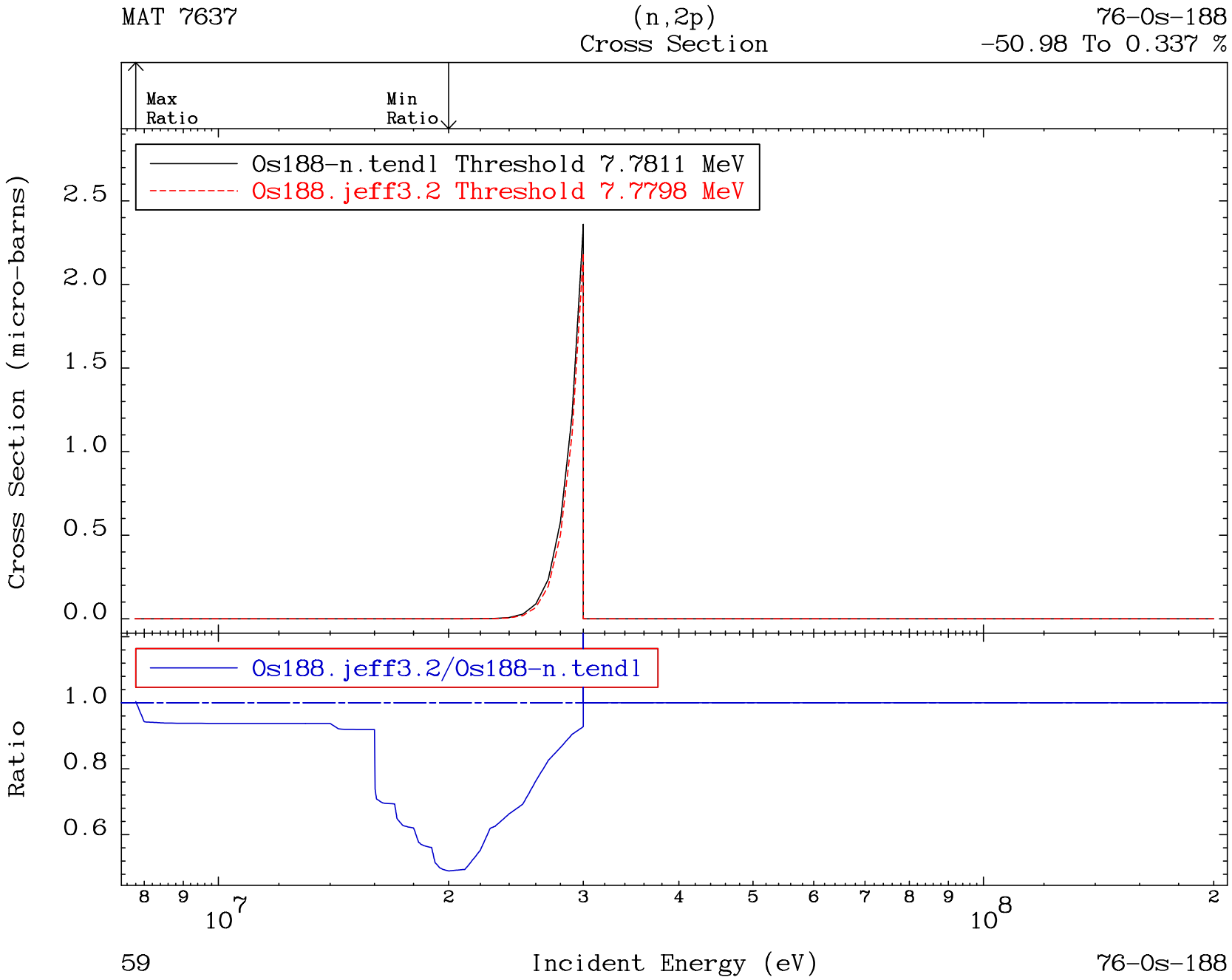

MAT 7637
(n,d)
Cross Section
76-Os-188
-81.18 To 10.75 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 5.0119 MeV
Os188.jeff3.2 Threshold 5.0119 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
76-Os-188

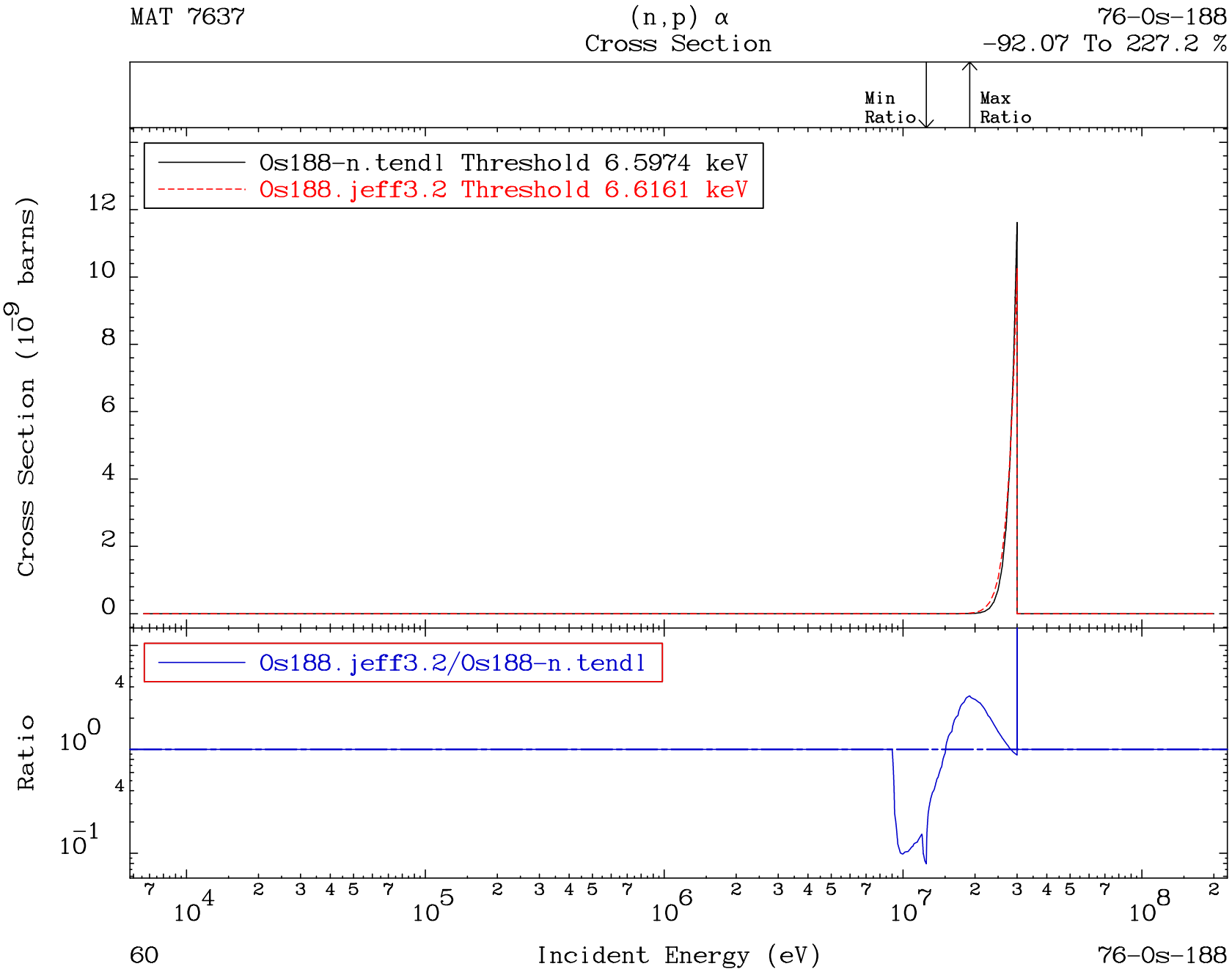

MAT 7637
(n,t)
Cross Section
76-Os-188
-61.58 To 5.048 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 6.1198 MeV
Os188.jeff3.2 Threshold 6.1174 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
Os188.jeff3.2/Os188-n.tendl
Ratio
0.4
0.8
1.2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
76-Os-188

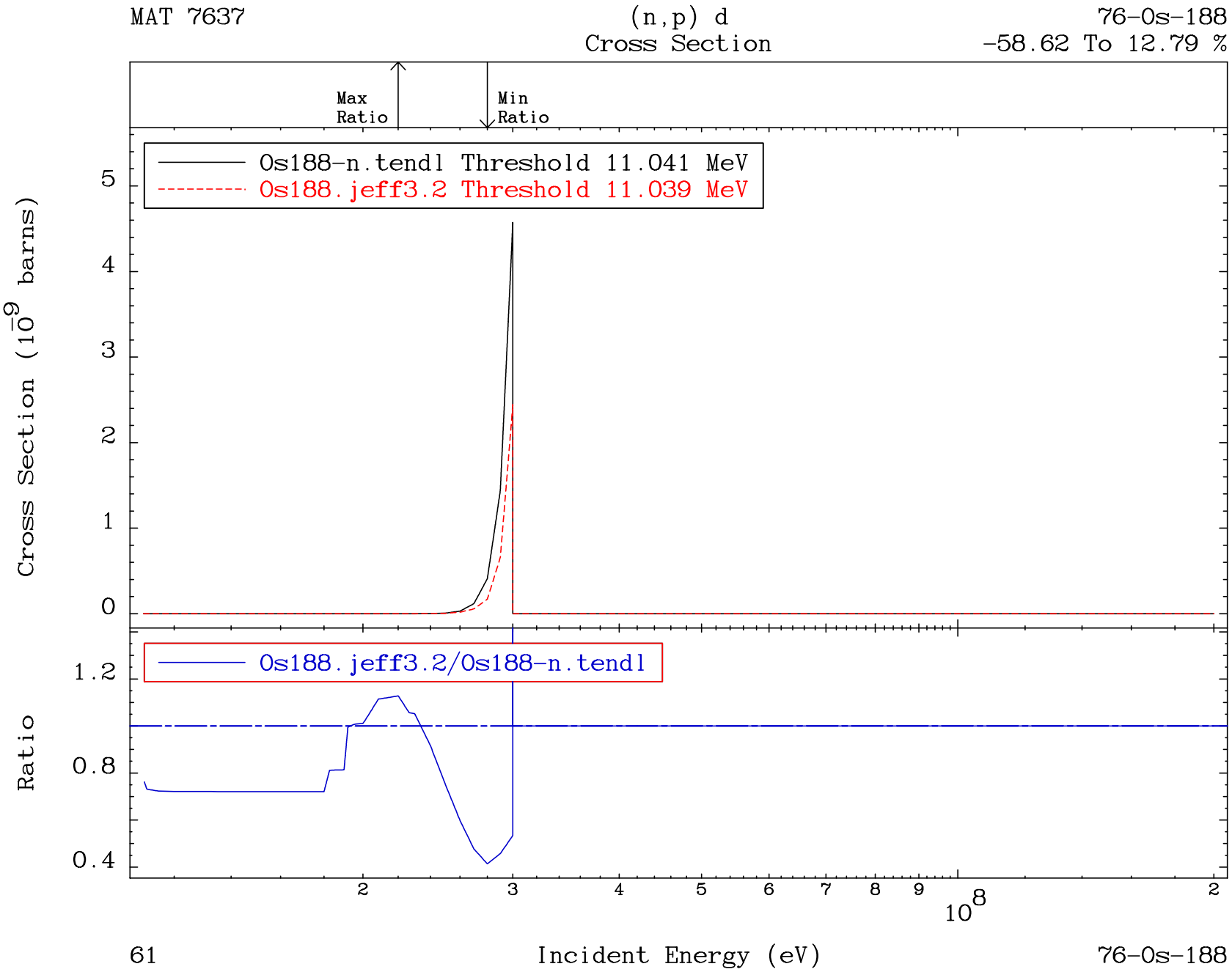

MAT 7637
(n,He-3)
Cross Section
76-0s-188
-93.81 To 302.2 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 5.5178 MeV
0s188.jeff3.2 Threshold 5.5162 MeV
Cross Section (micro-barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
56
76-0s-188

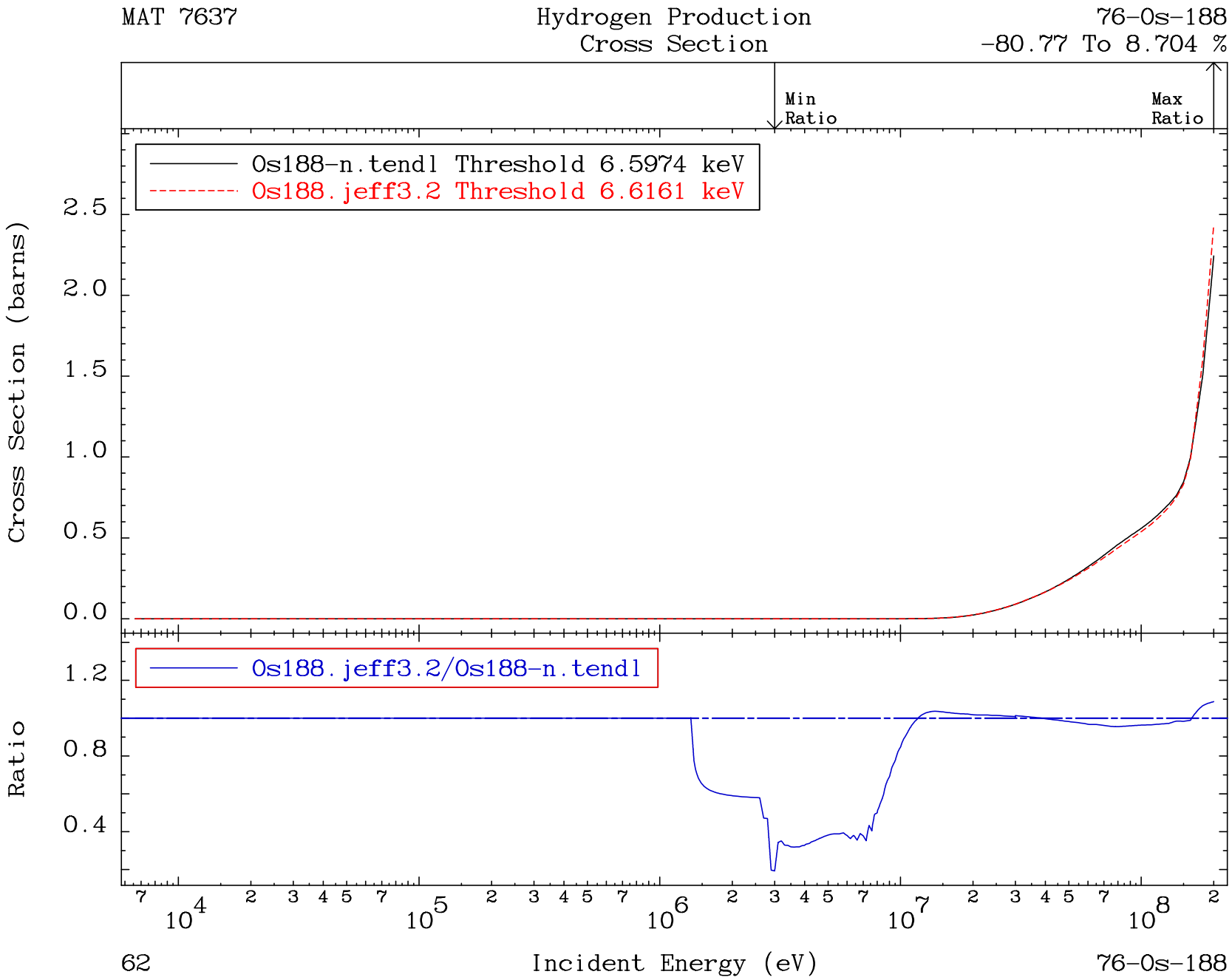

MAT 7637
(n,α)
Cross Section
76-Os-188
-79.26 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
57
76-Os-188

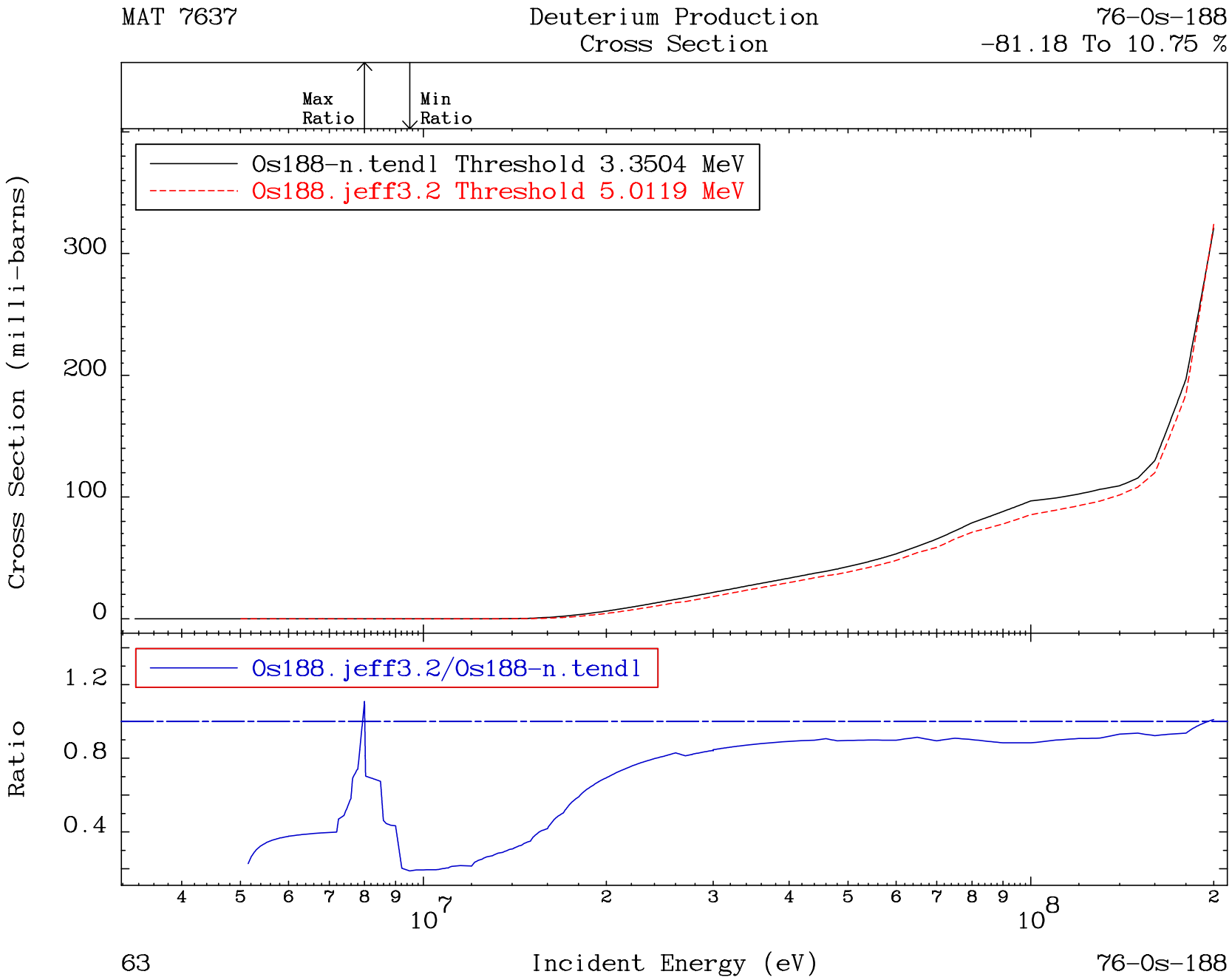

MAT 7637
(n,2α)
Cross Section
76-0s-188
-98.46 To 0.000 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 6.5974 keV
0s188.jeff3.2 Threshold 6.6161 keV
Cross Section (10^-9 barns)
0
2
4
6
8
10
12
14
0s188.jeff3.2/0s188-n.tendl
Ratio
10^0
10^-1
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
58
76-0s-188

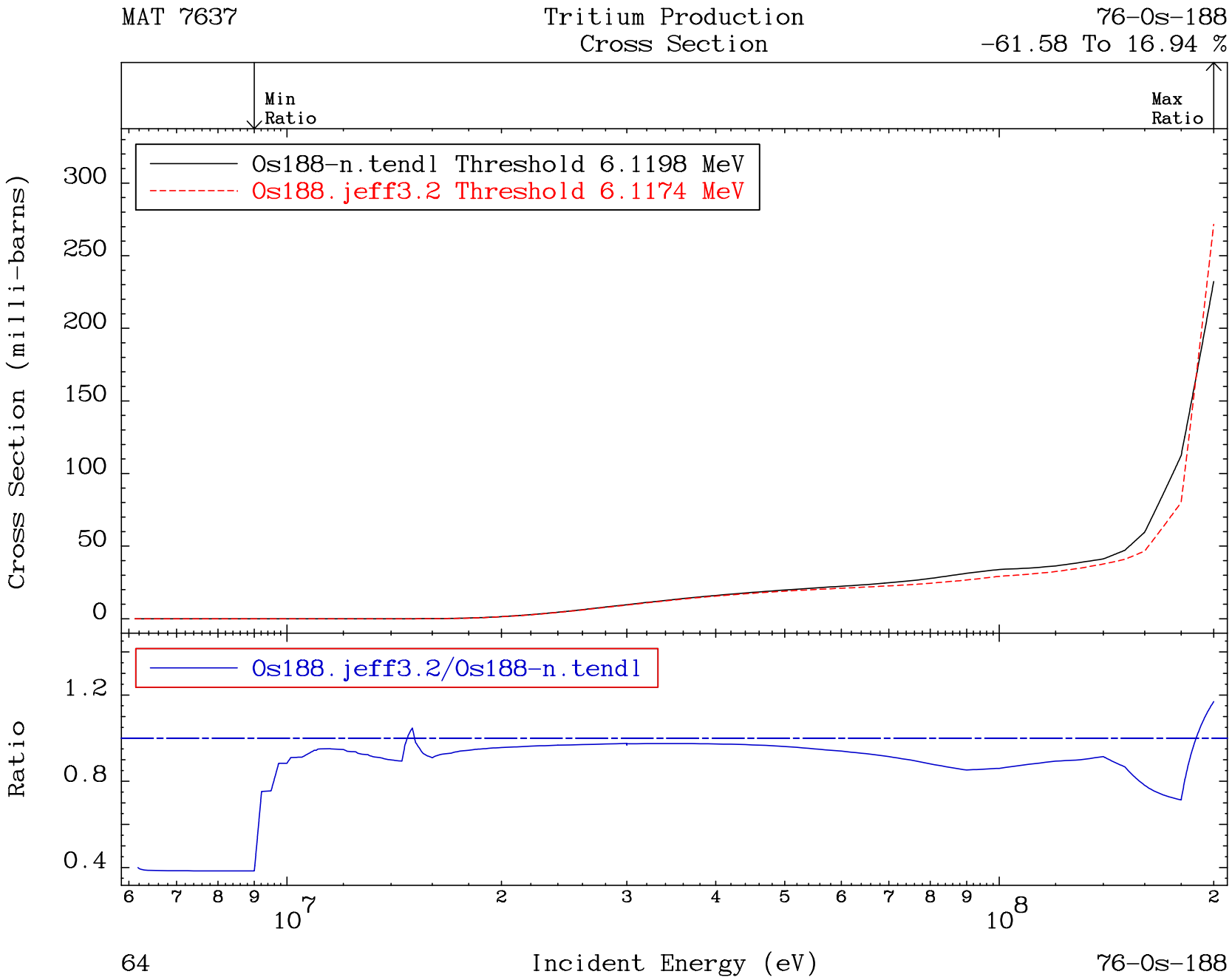

MAT 7637
(n,2p)
Cross Section
76-Os-188
-50.98 To 0.337 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 7.7811 MeV
Os188.jeff3.2 Threshold 7.7798 MeV
Cross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
0.6
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
59
Incident Energy (eV)
76-Os-188

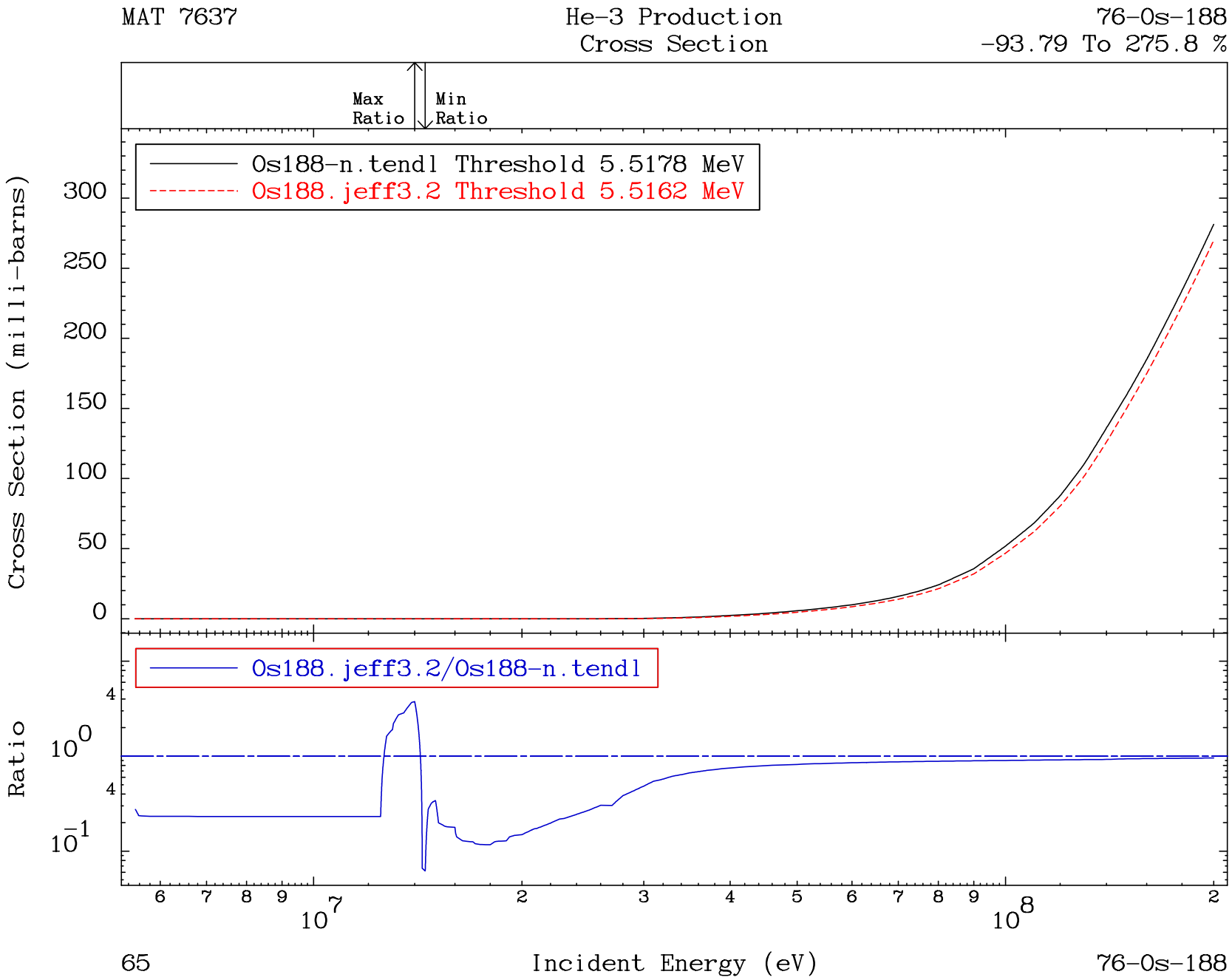

MAT 7637
(n,p) α
Cross Section
76-Os-188
-92.07 To 227.2 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 6.5974 keV
Os188.jeff3.2 Threshold 6.6161 keV
Cross Section (10^{-9} barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
60
76-Os-188

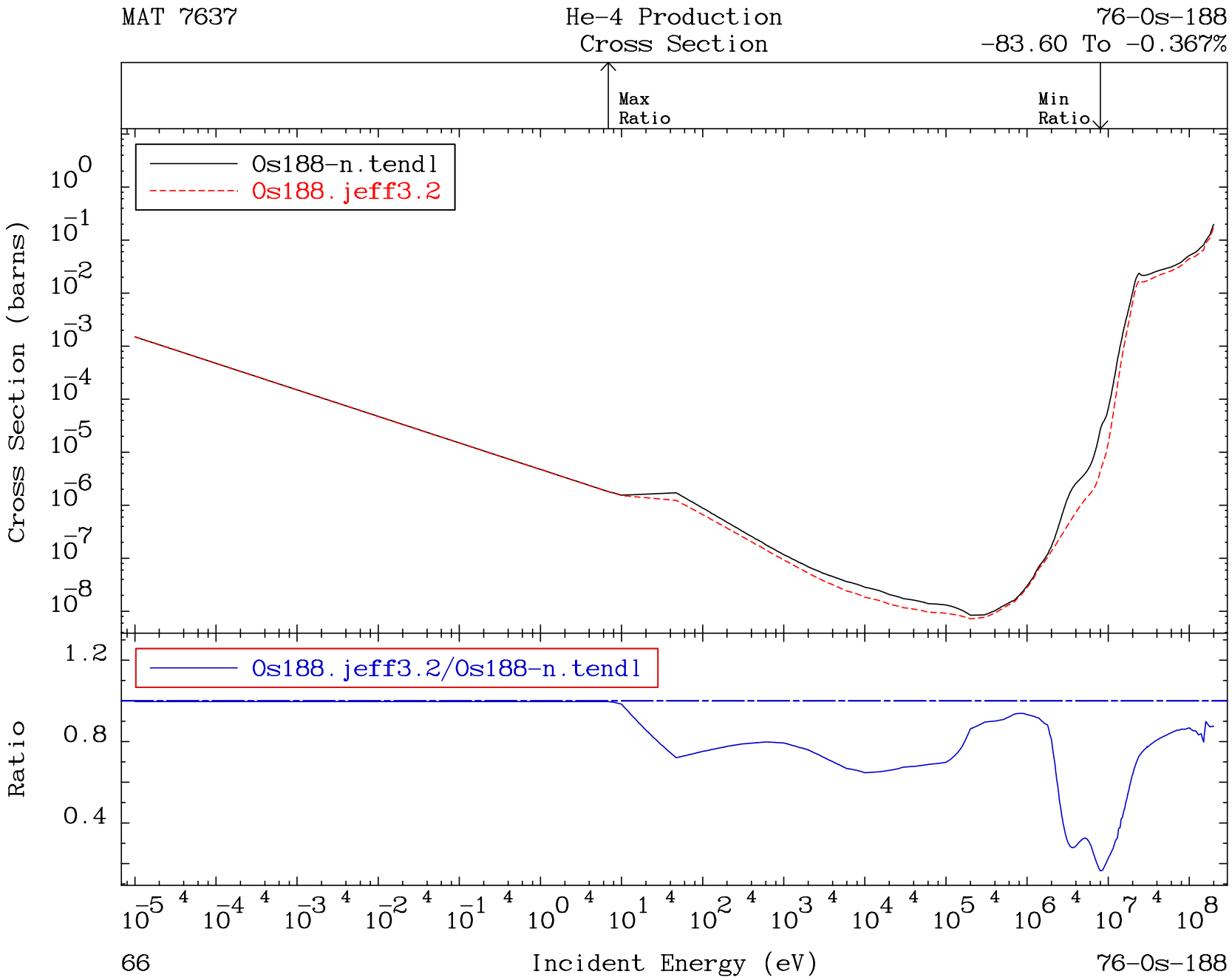

MAT 7637
(n,p) d
Cross Section
76-Os-188
-58.62 To 12.79 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 11.041 MeV
Os188.jeff3.2 Threshold 11.039 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
5
Os188.jeff3.2/Os188-n.tendl
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^{8}
2
61
Incident Energy (eV)
76-Os-188

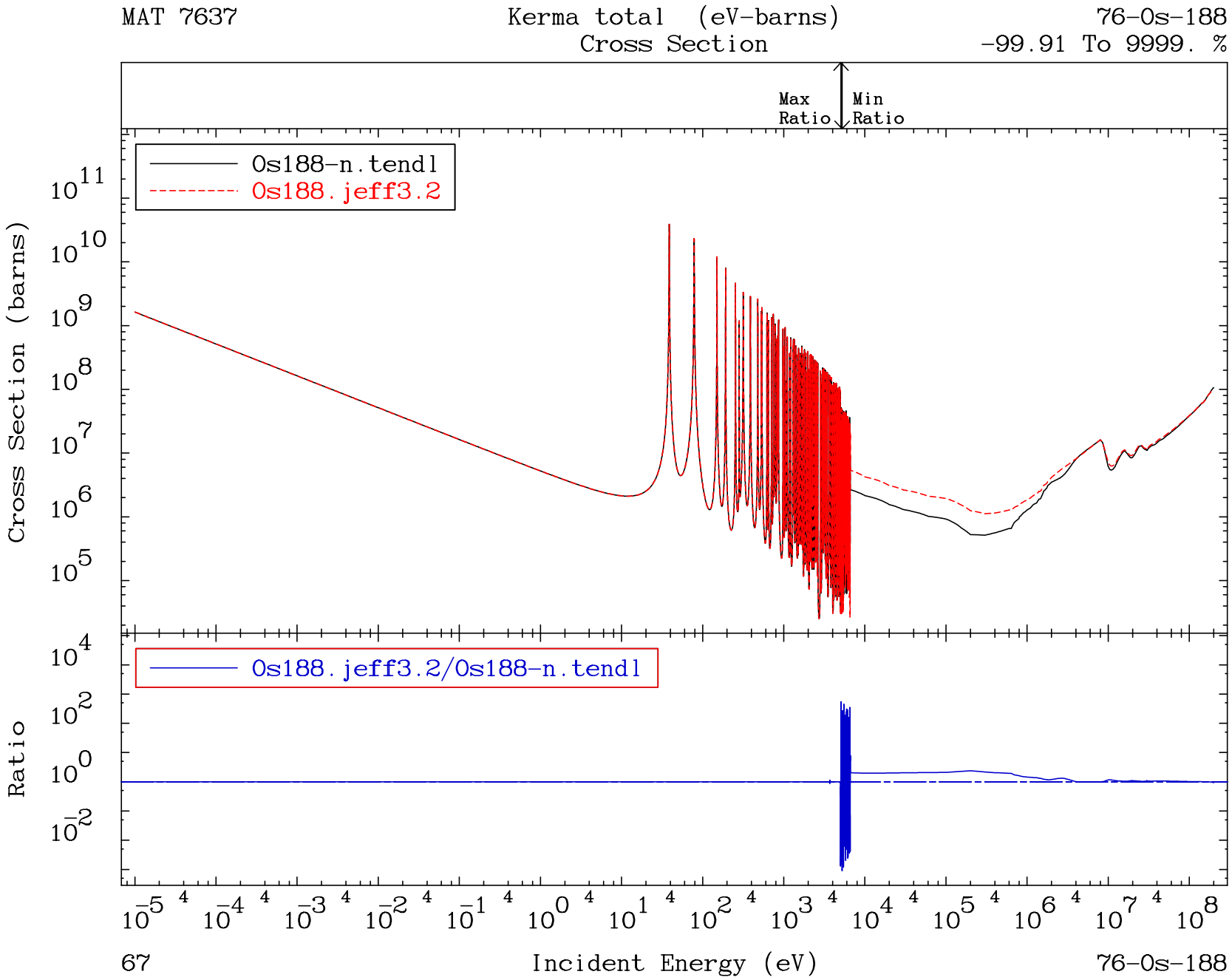

MAT 7637
Hydrogen Production
Cross Section
76-Os-188
-80.77 To 8.704 %
Min
Ratio
Max
Ratio
Os188-n.tendl Threshold 6.5974 keV
Os188.jeff3.2 Threshold 6.6161 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
62
Incident Energy (eV)
76-Os-188

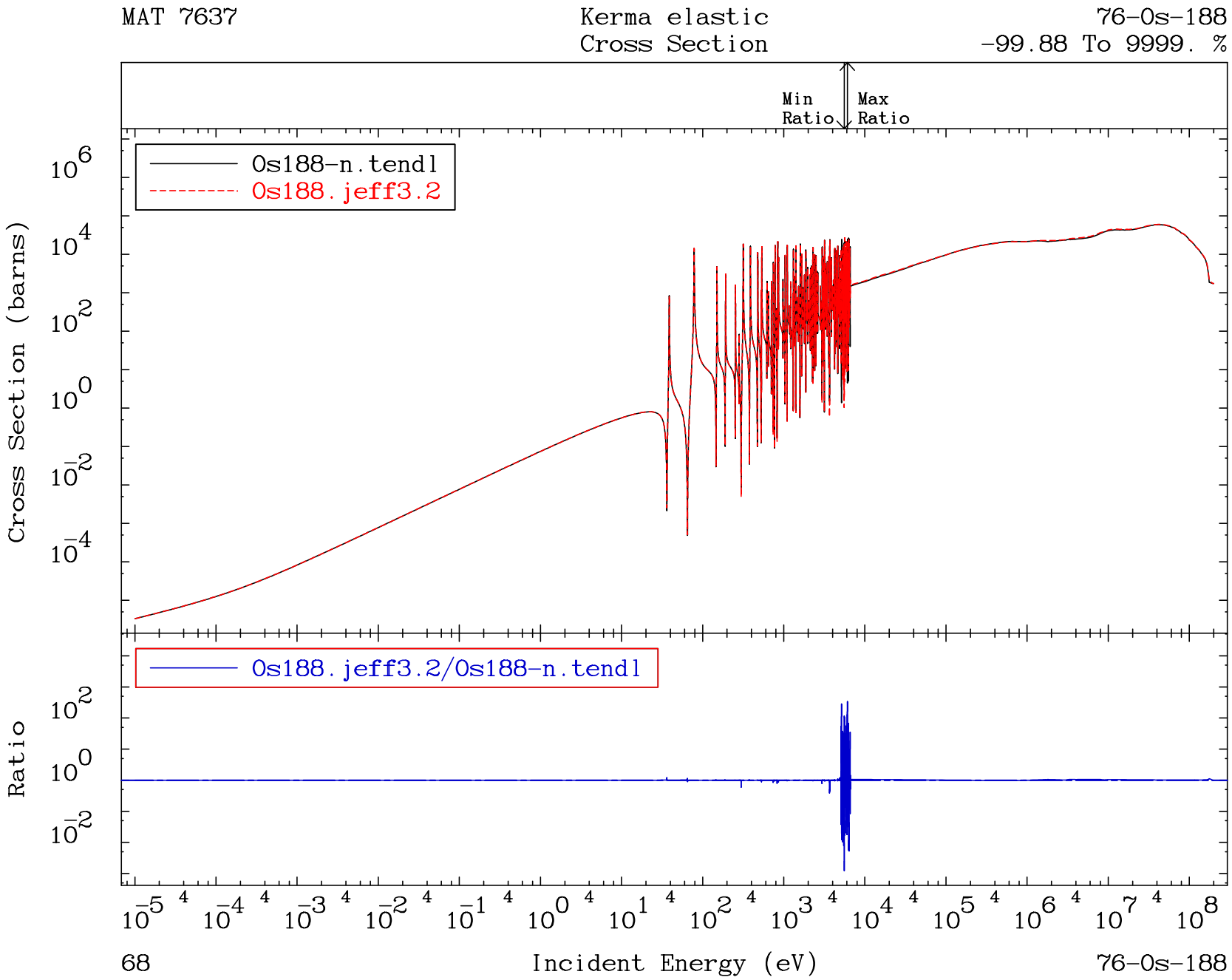

MAT 7637
Deuterium Production
Cross Section
76-Os-188
-81.18 To 10.75 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 3.3504 MeV
Os188.jeff3.2 Threshold 5.0119 MeV
Cross Section (milli-barns)
300
200
100
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
63
Incident Energy (eV)
76-Os-188

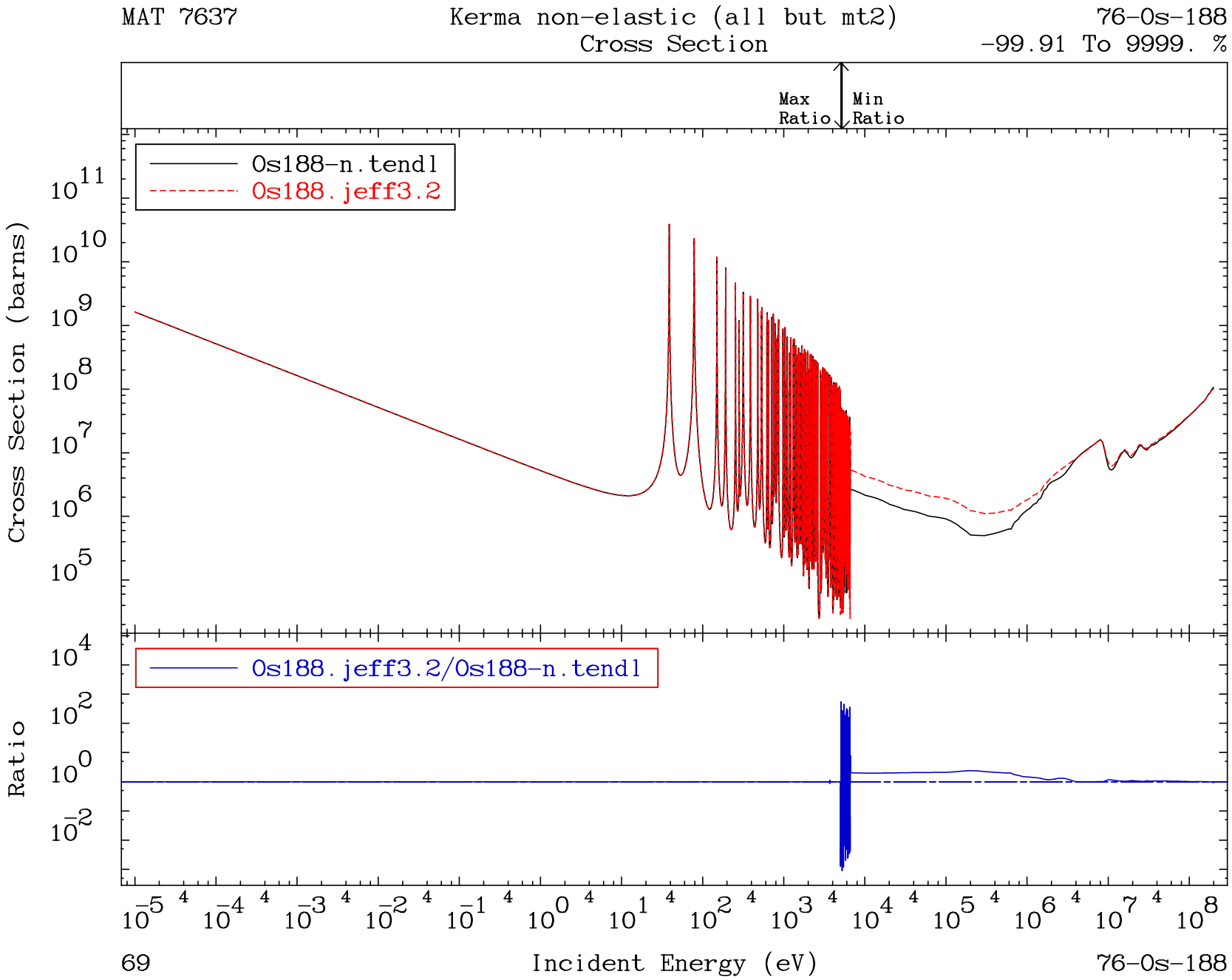

MAT 7637
Tritium Production
Cross Section
76-Os-188
-61.58 To 16.94 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 6.1198 MeV
Os188.jeff3.2 Threshold 6.1174 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
76-Os-188

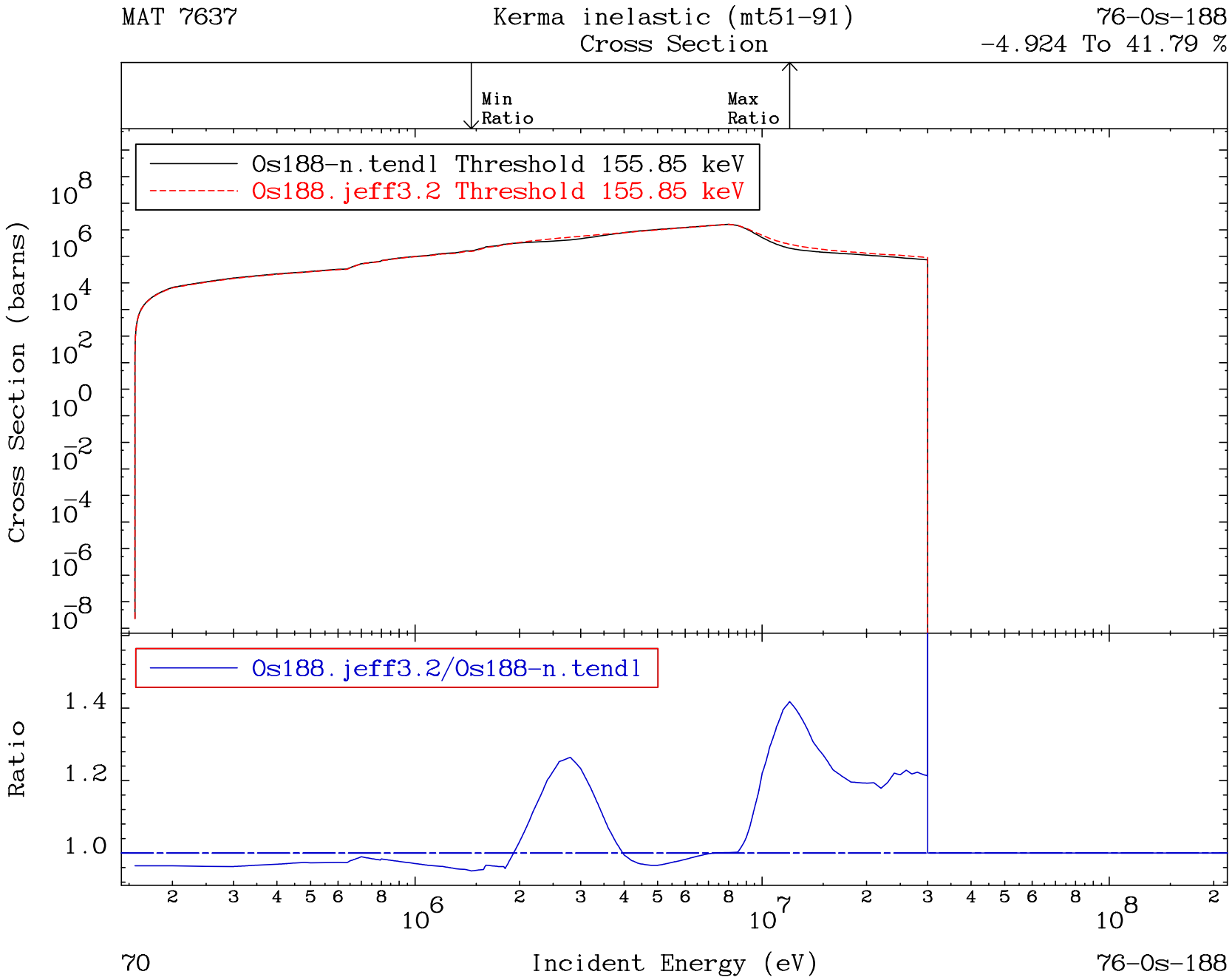

MAT 7637
He-3 Production
Cross Section
76-0s-188
-93.79 To 275.8 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 5.5178 MeV
0s188.jeff3.2 Threshold 5.5162 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
0s188.jeff3.2/0s188-n.tendl
Ratio
10^0
10^-1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
65
Incident Energy (eV)
76-0s-188

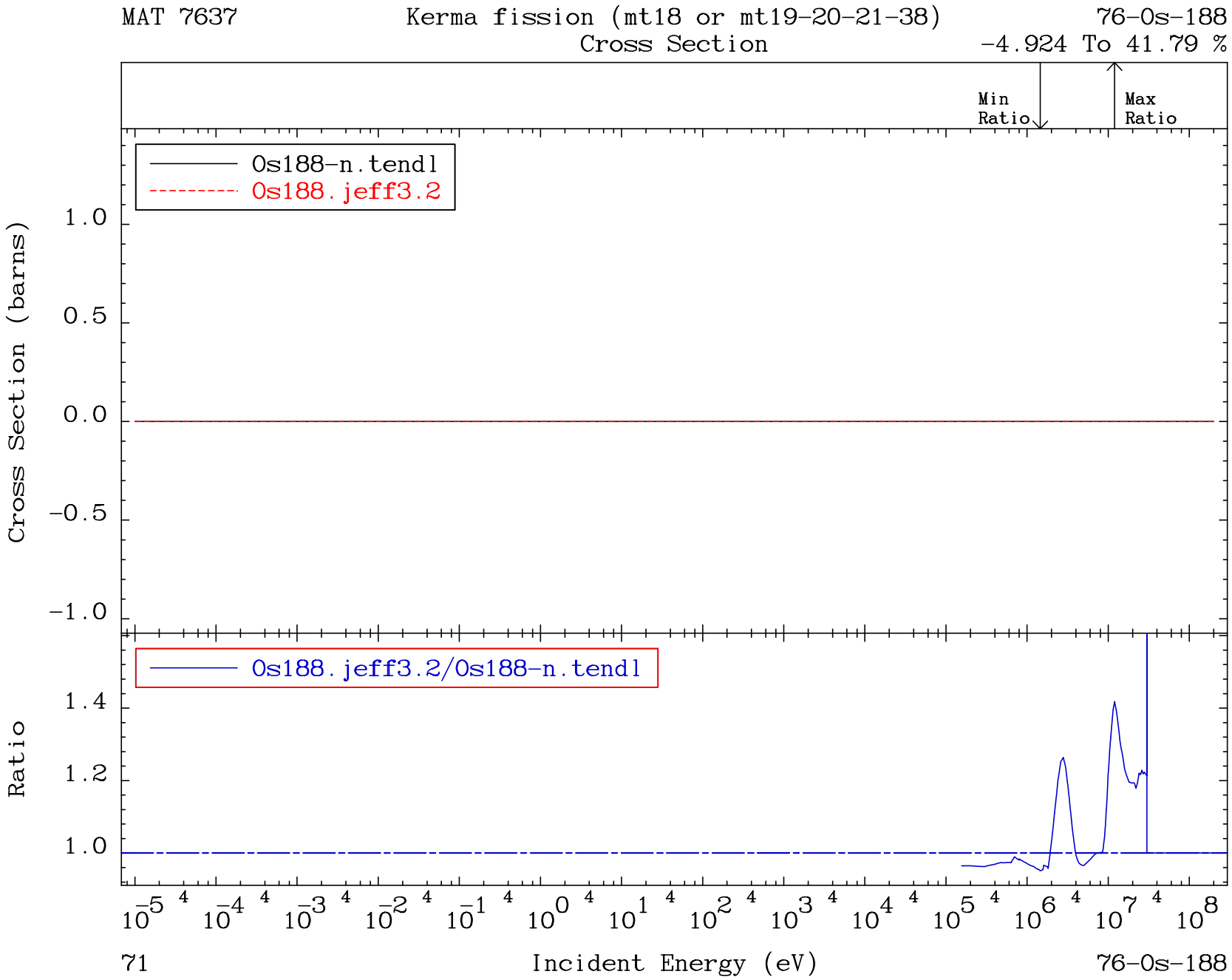

MAT 7637
He-4 Production
Cross Section
76-0s-188
-83.60 To -0.367%
Max
Ratio
Min
Ratio
0s188-n.tendl
0s188.jeff3.2
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
66
76-0s-188

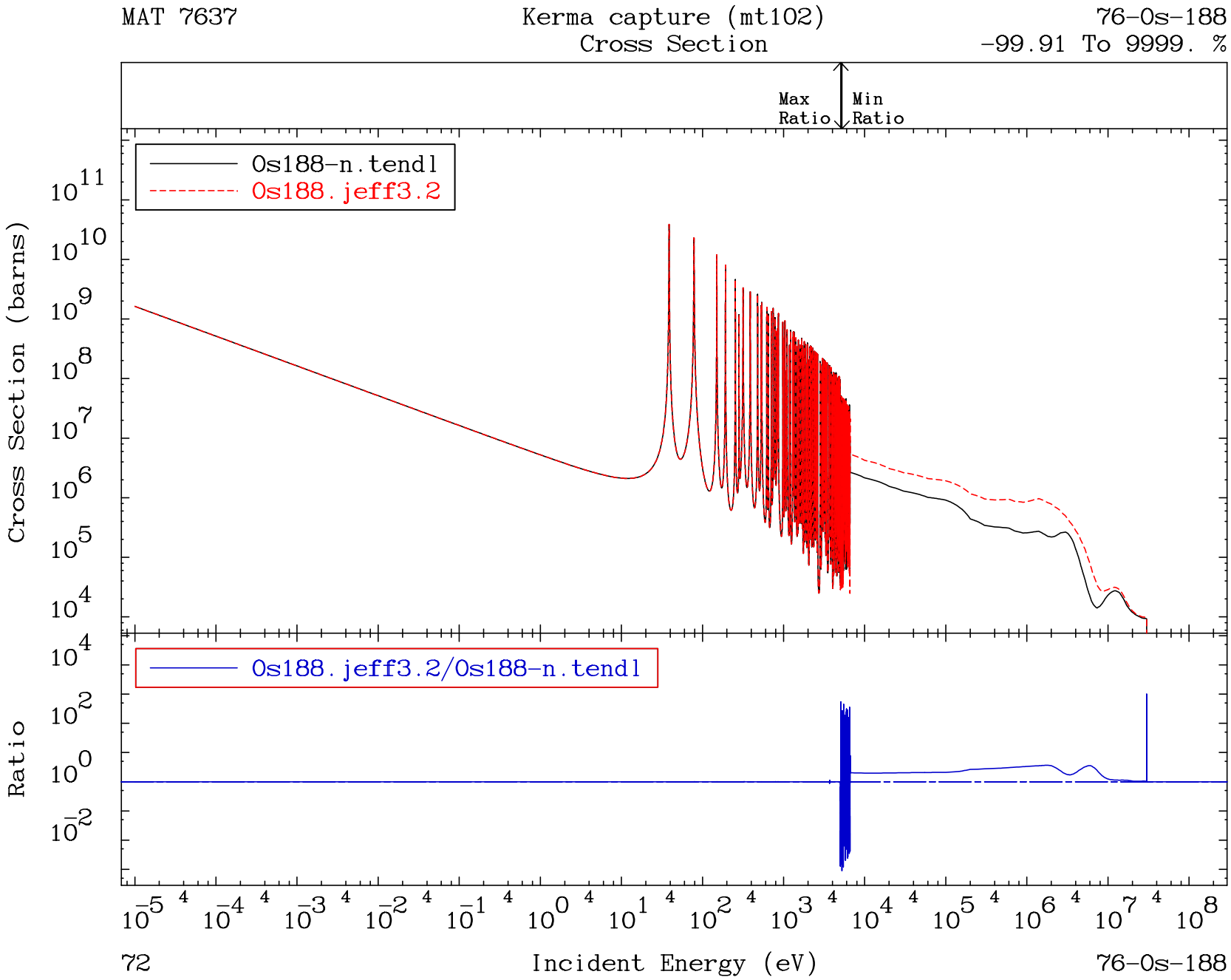

MAT 7637
Kerma total (eV-barns)
Cross Section
76-0s-188
-99.91 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jeff3.2
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
67
76-0s-188

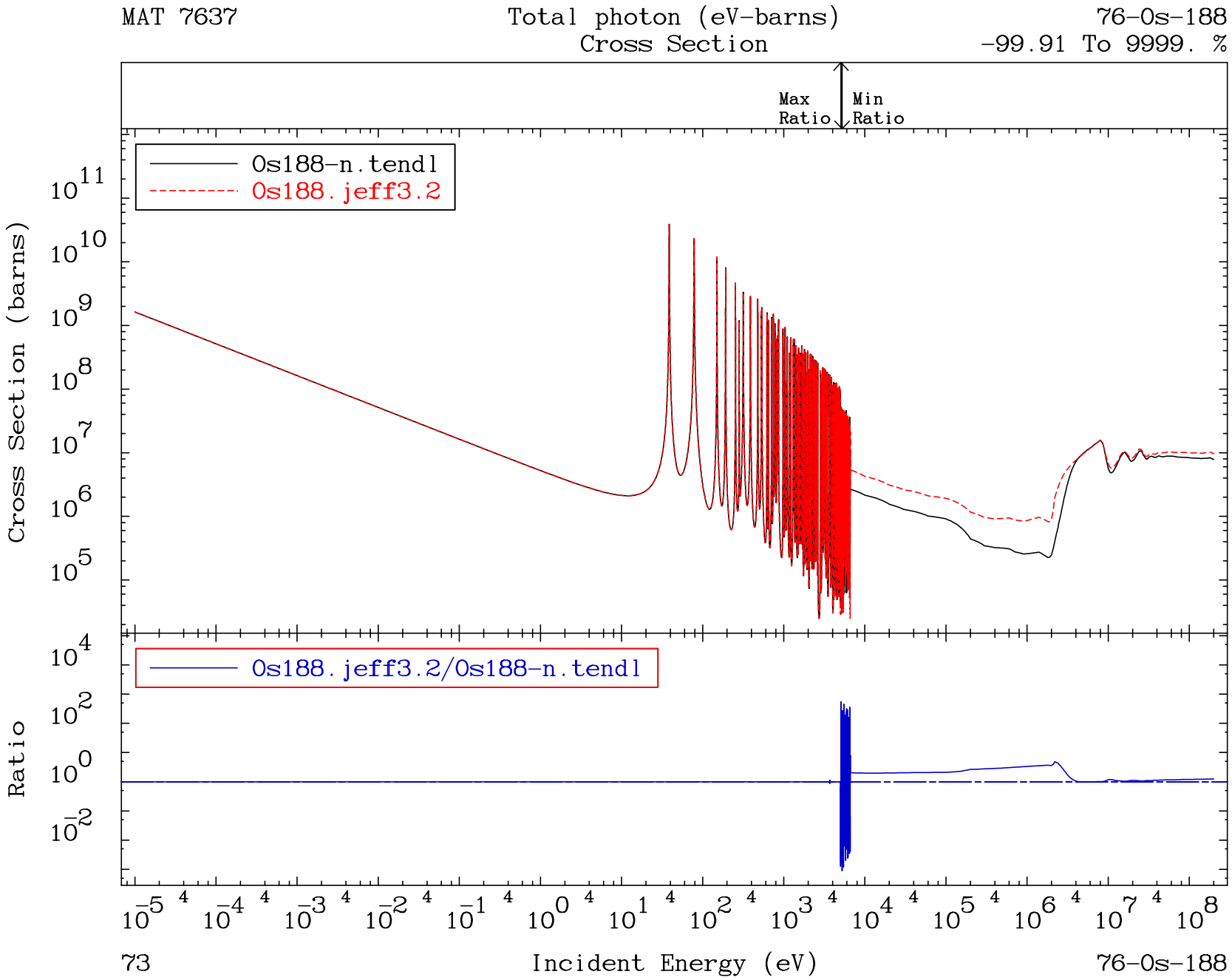

MAT 7637
Kerma elastic
Cross Section
76-Os-188
-99.88 To 9999. %
Min Ratio
Max Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
68
76-Os-188

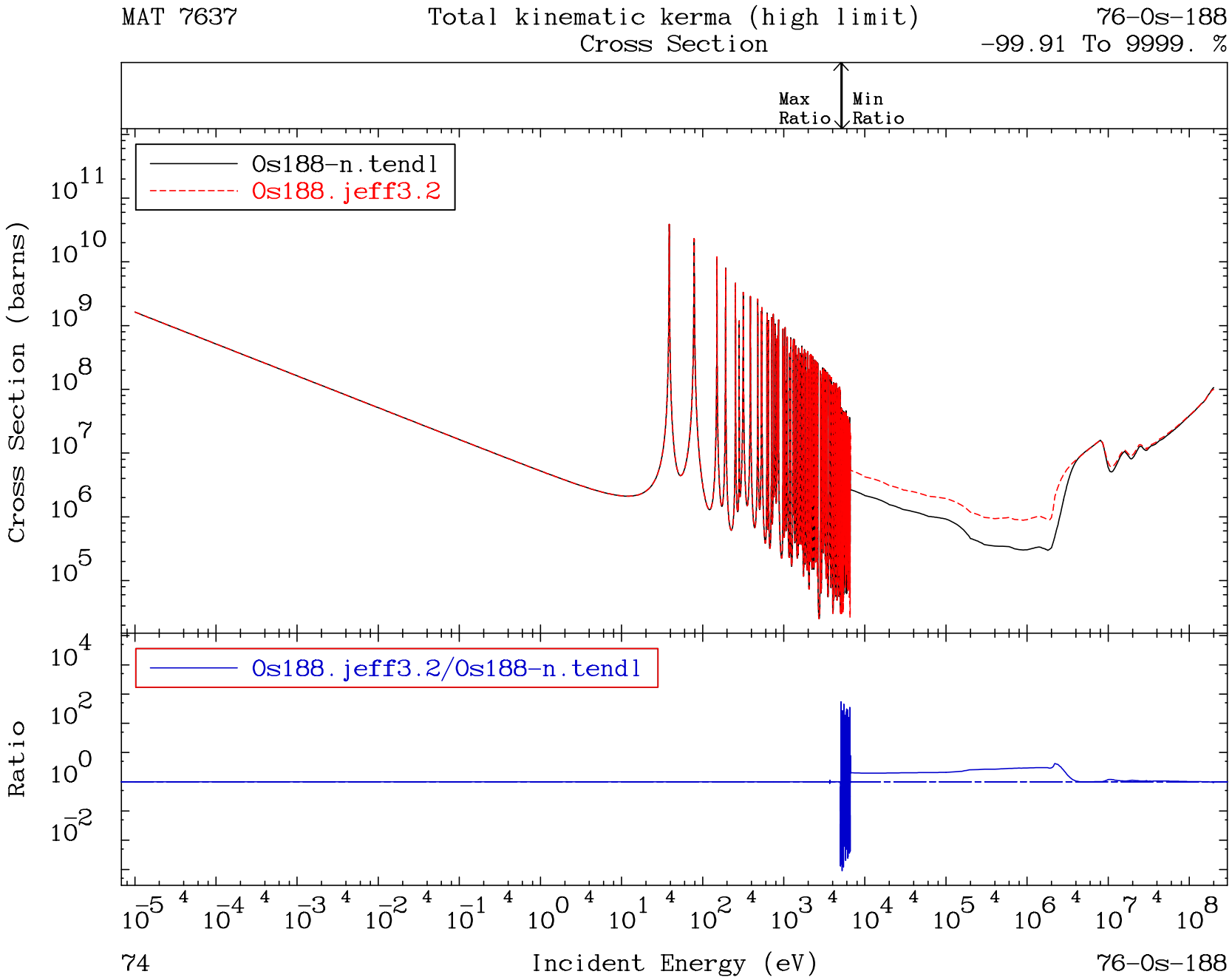

MAT 7637
Kerma non-elastic (all but mt2)
Cross Section
76-0s-188
-99.91 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jeff3.2
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
69
76-0s-188

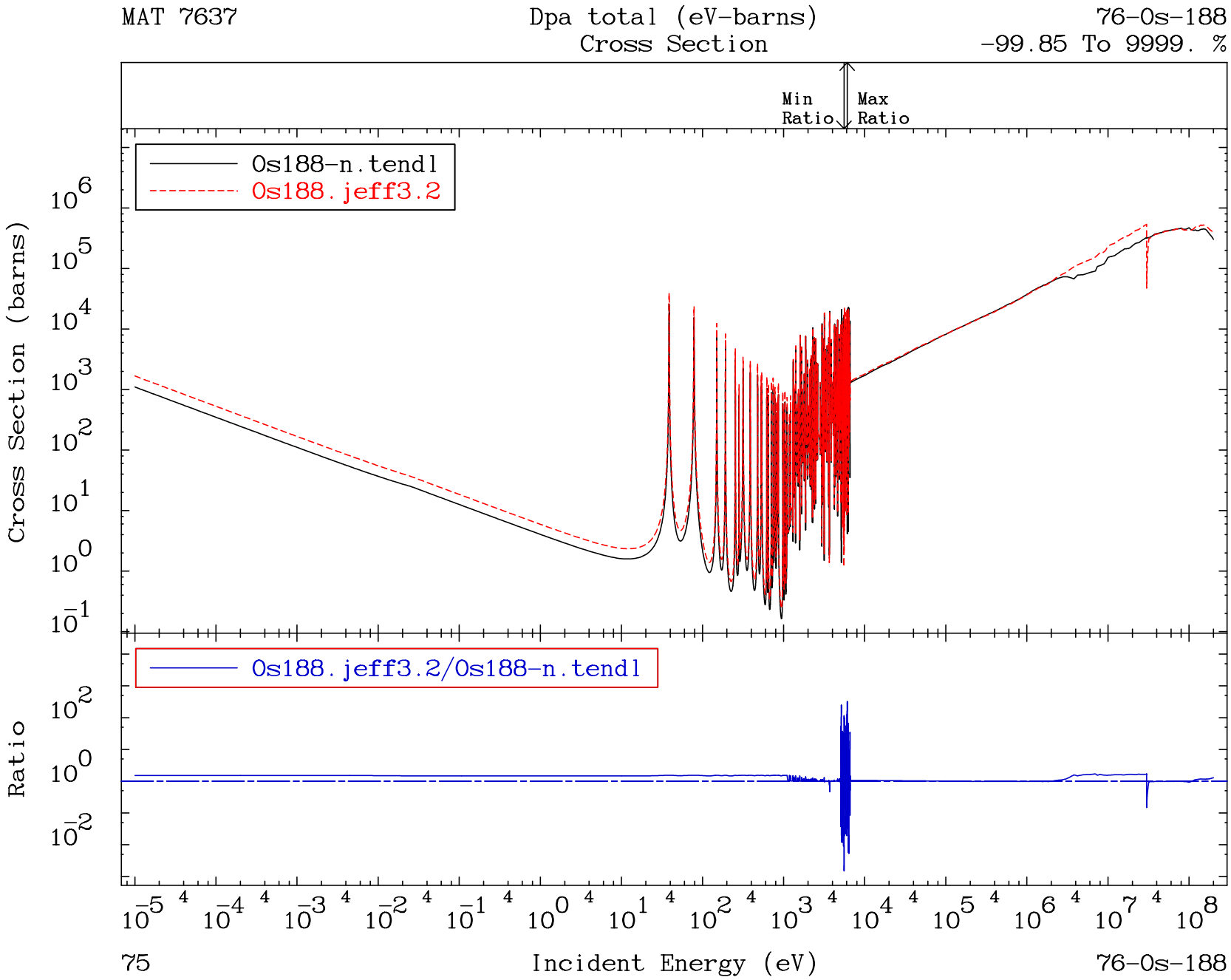

MAT 7637
Kerma inelastic (mt51-91)
Cross Section
76-0s-188
-4.924 To 41.79 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jeff3.2 Threshold 155.85 keV
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
70
76-0s-188

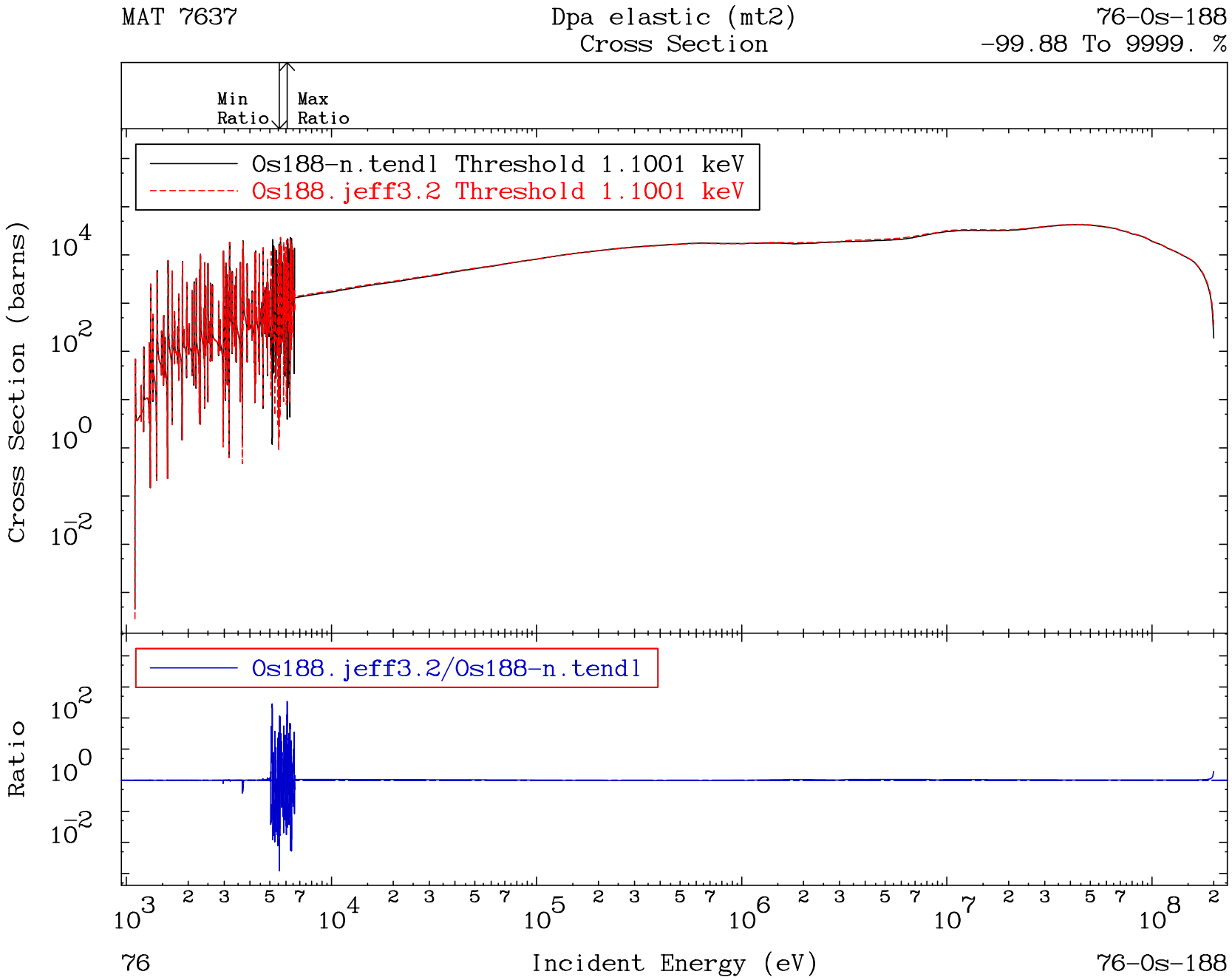

MAT 7637
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
76-0s-188
-4.924 To 41.79 %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jeff3.2
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.4
1.2
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
71
Incident Energy (eV)
76-0s-188

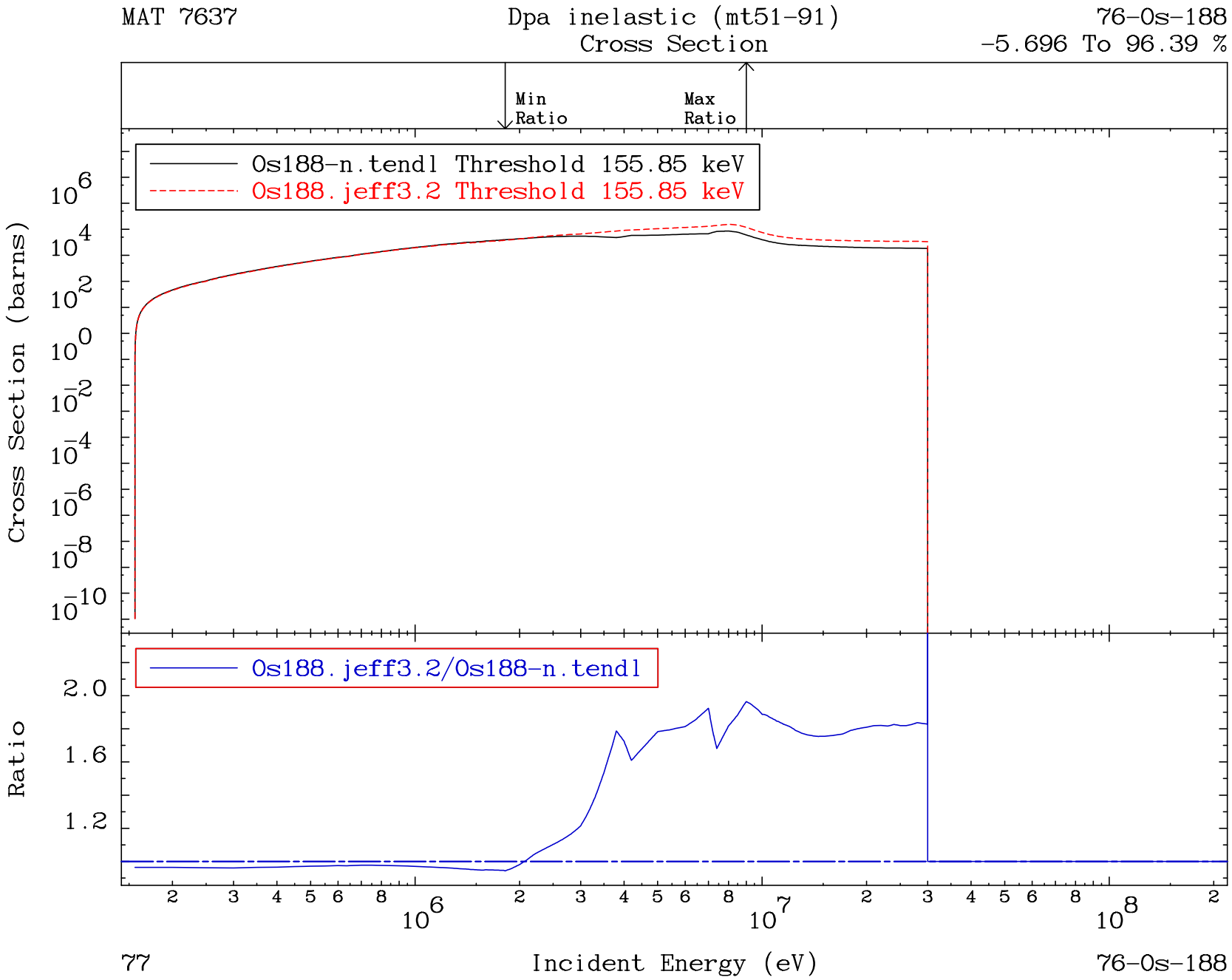

MAT 7637
Kerma capture (mt102)
Cross Section
76-Os-188
-99.91 To 9999. %
Max Ratio
Min Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
72
76-Os-188

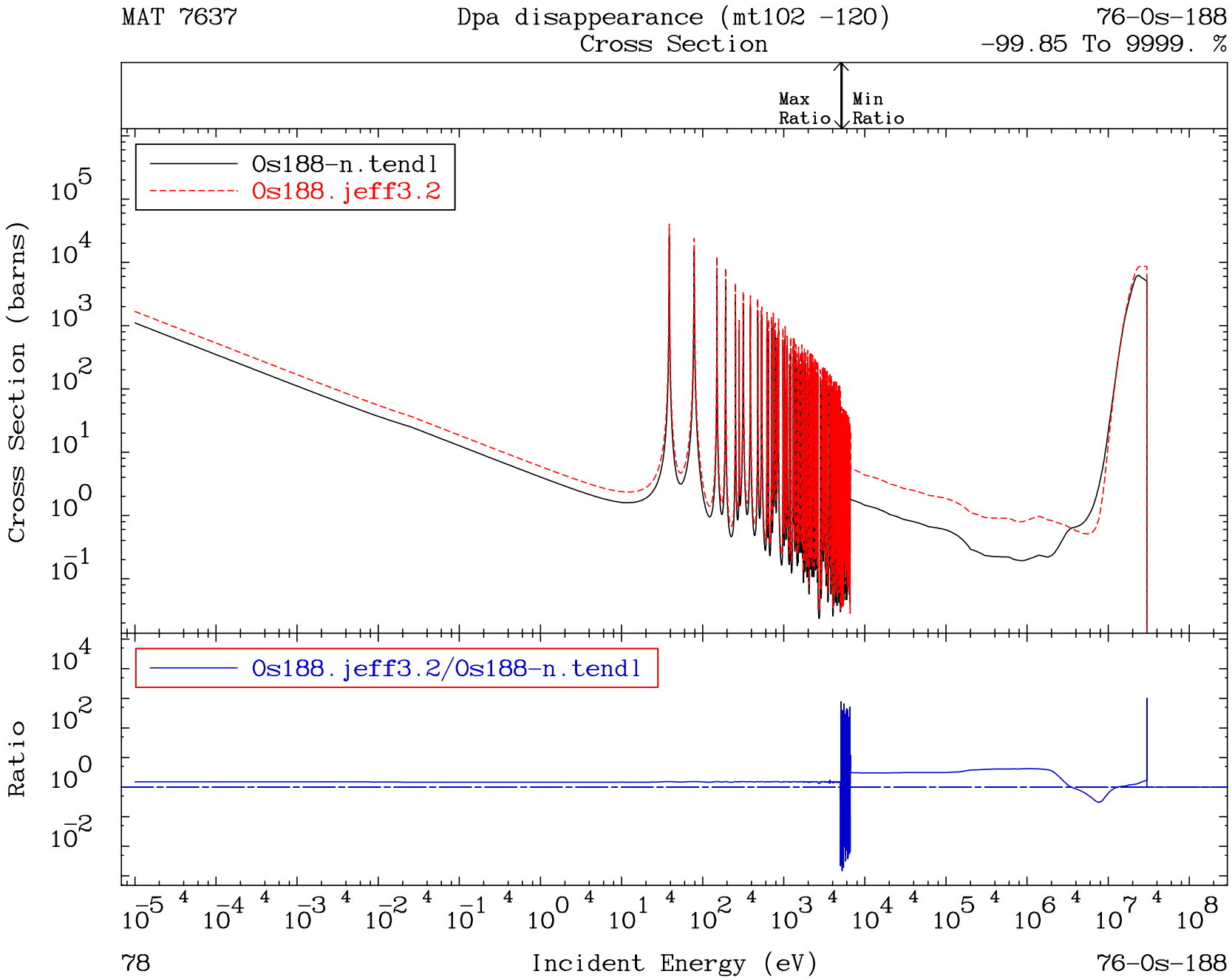

MAT 7637
Total photon (eV-barns)
Cross Section
76-Os-188
-99.91 To 9999. %
Max Ratio
Min Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
73
76-Os-188

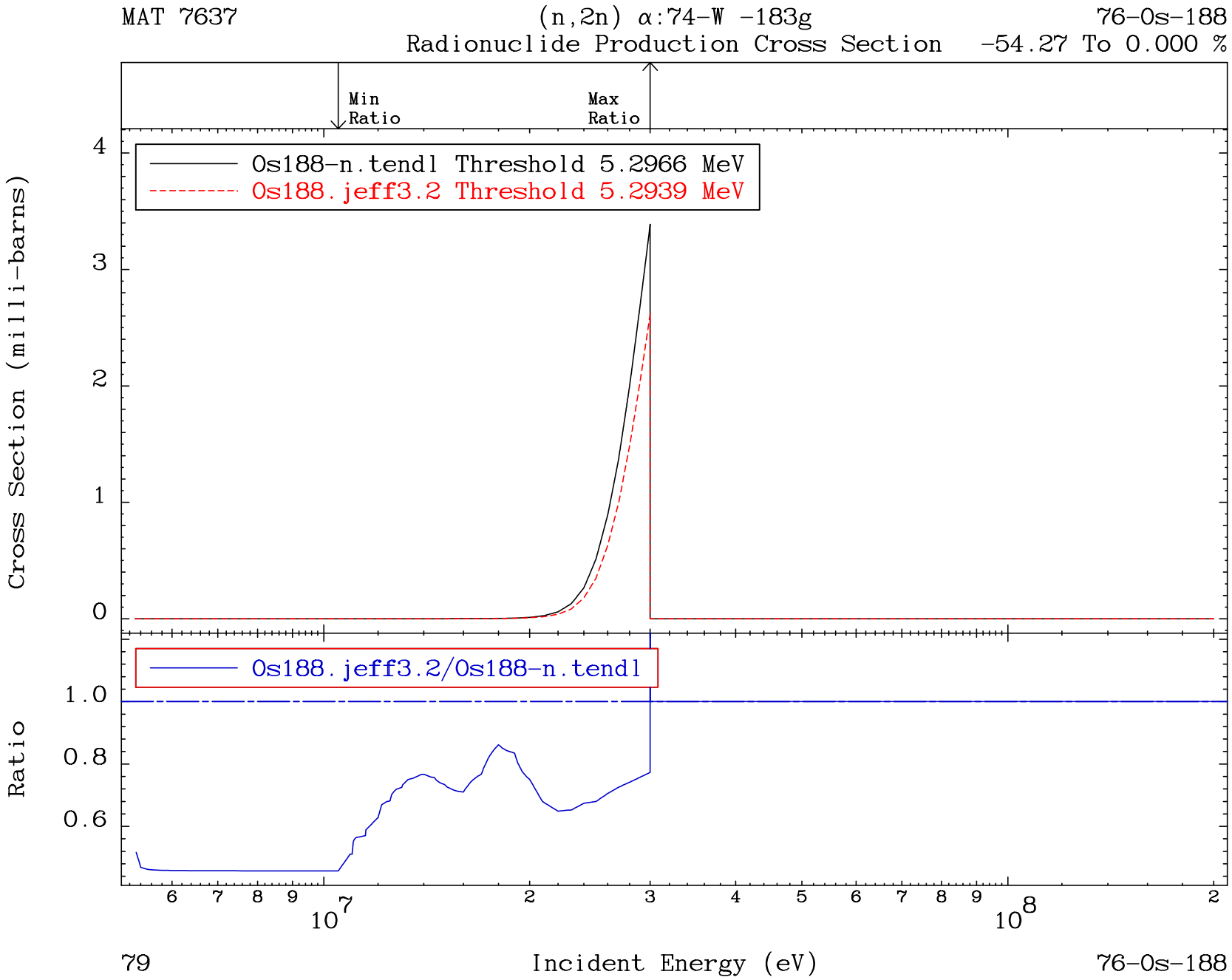

MAT 7637
Total kinematic kerma (high limit)
Cross Section
76-Os-188
-99.91 To 9999. %
Max Ratio
Min Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
74
76-Os-188

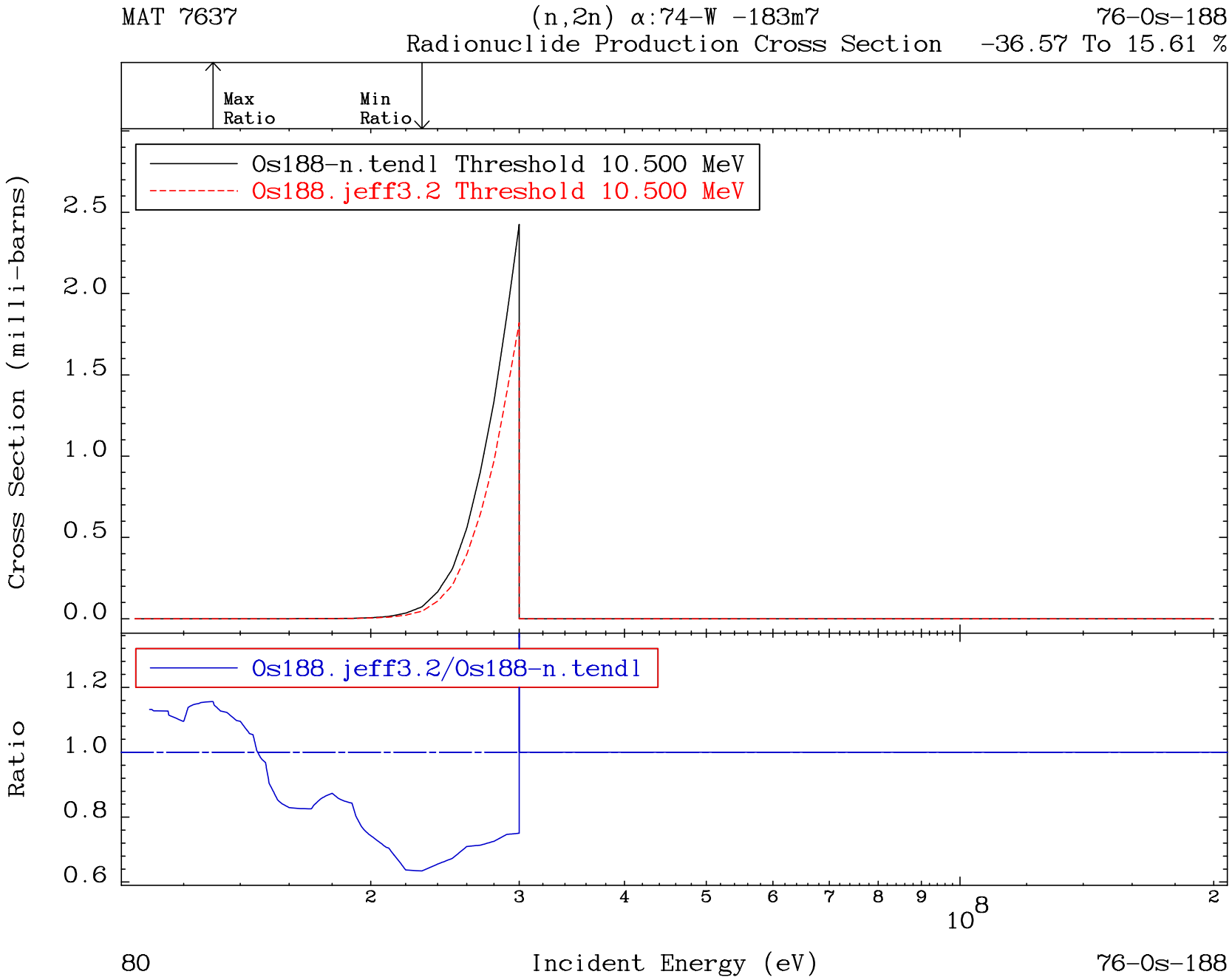

MAT 7637
Dpa total (eV-barns)
Cross Section
76-Os-188
-99.85 To 9999. %
Min Ratio
Max Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
75
76-Os-188

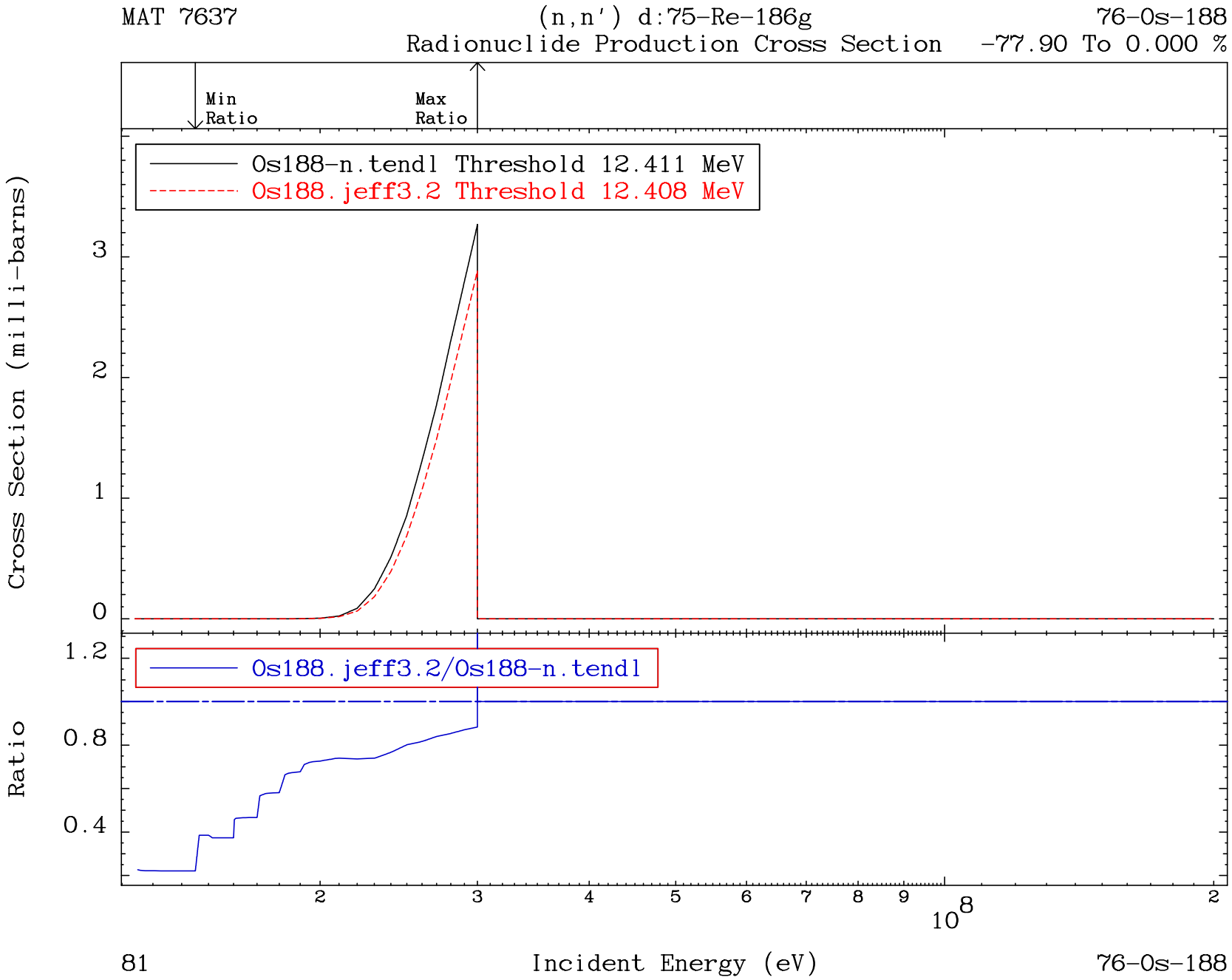

MAT 7637
Dpa elastic (mt2)
Cross Section
76-Os-188
-99.88 To 9999. %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.1001 keV
Os188.jeff3.2 Threshold 1.1001 keV
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
76
76-Os-188

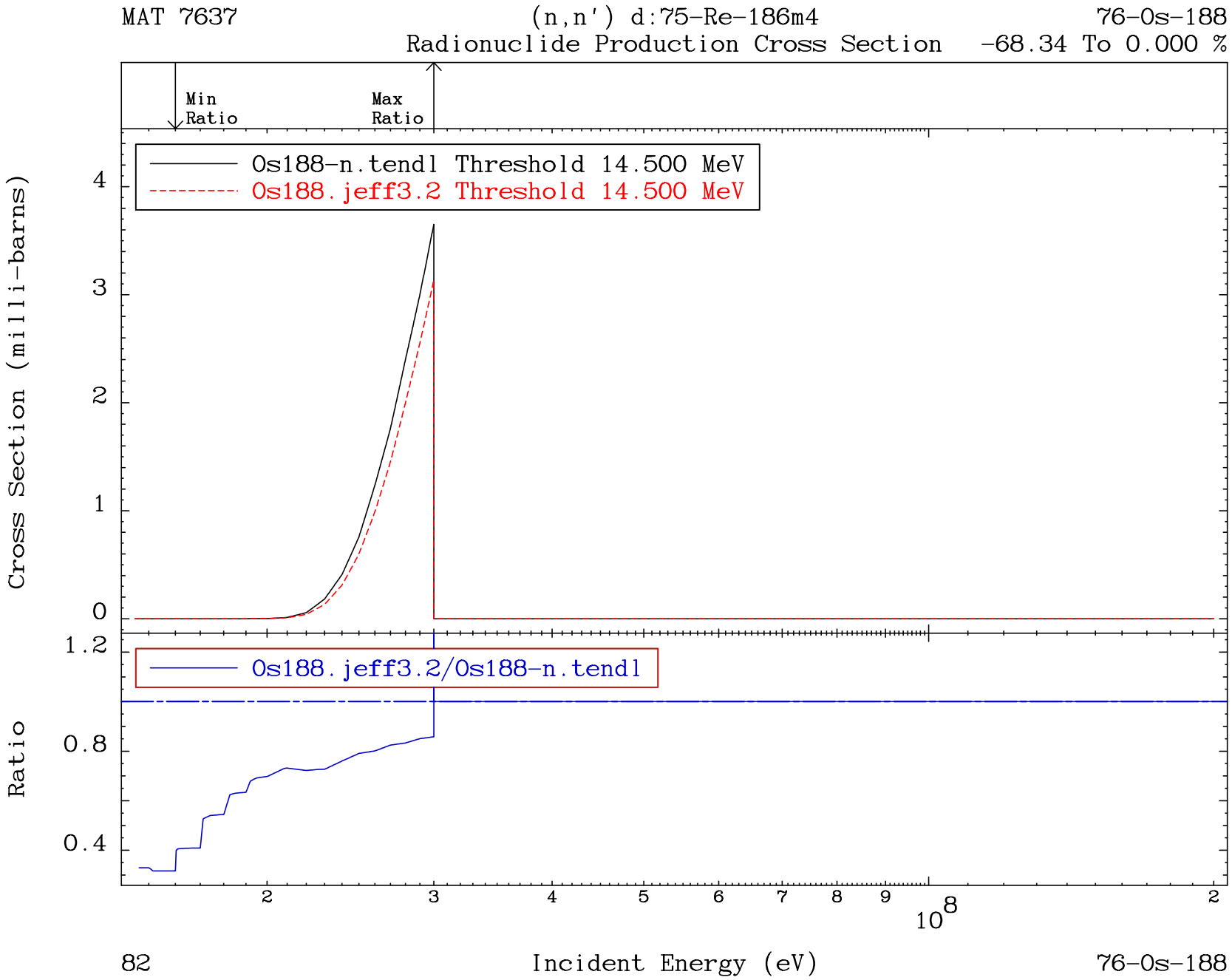

MAT 7637
Dpa inelastic (mt51-91)
Cross Section
76-0s-188
-5.696 To 96.39 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jeff3.2 Threshold 155.85 keV
Cross Section (barns)
0s188.jeff3.2/0s188-n.tendl
Ratio
Incident Energy (eV)
77
76-0s-188

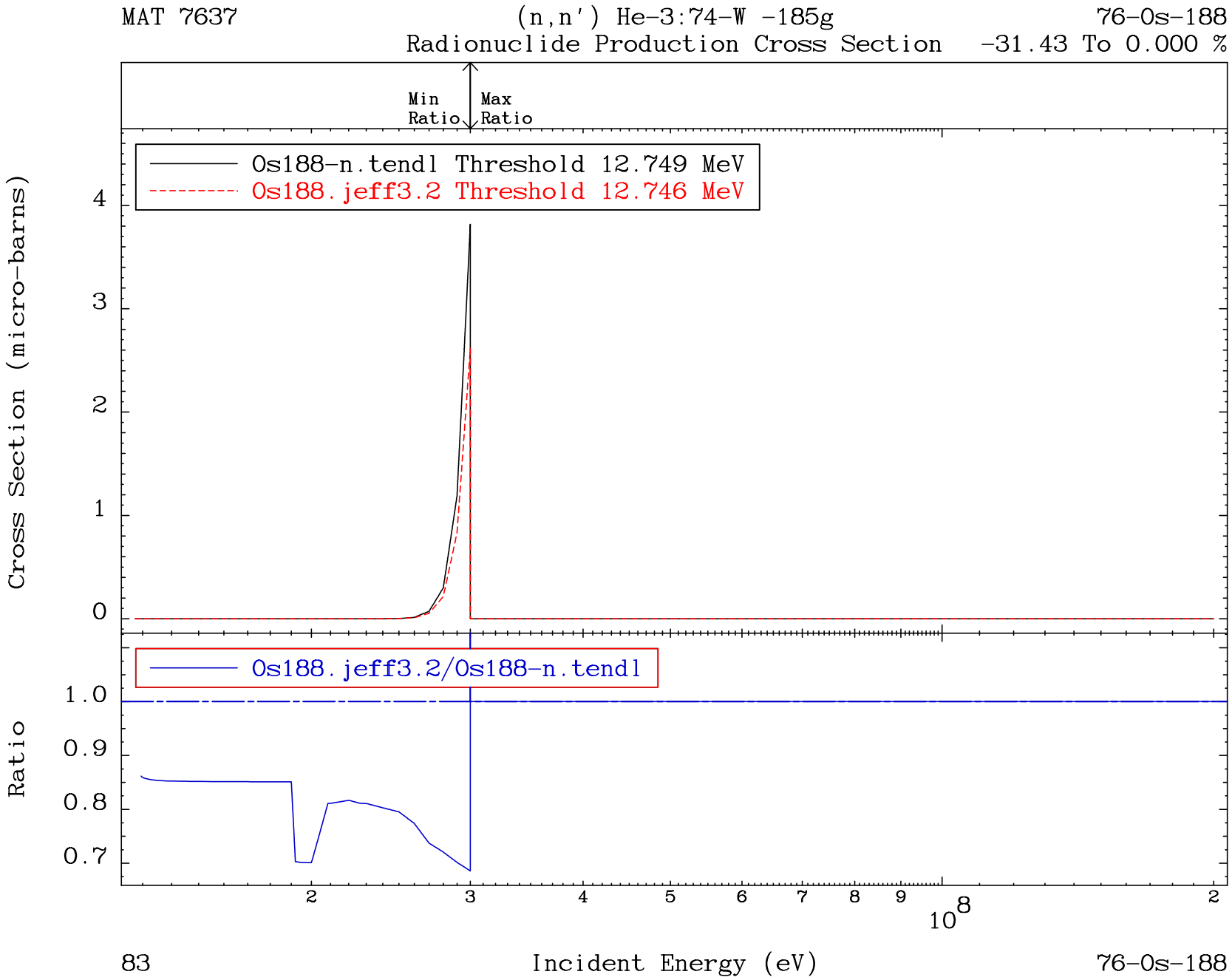

MAT 7637
Dpa disappearance (mt102 -120)
Cross Section
76-Os-188
-99.85 To 9999. %
Max Ratio
Min Ratio
Os188-n.tendl
Os188.jeff3.2
Cross Section (barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
78
76-Os-188

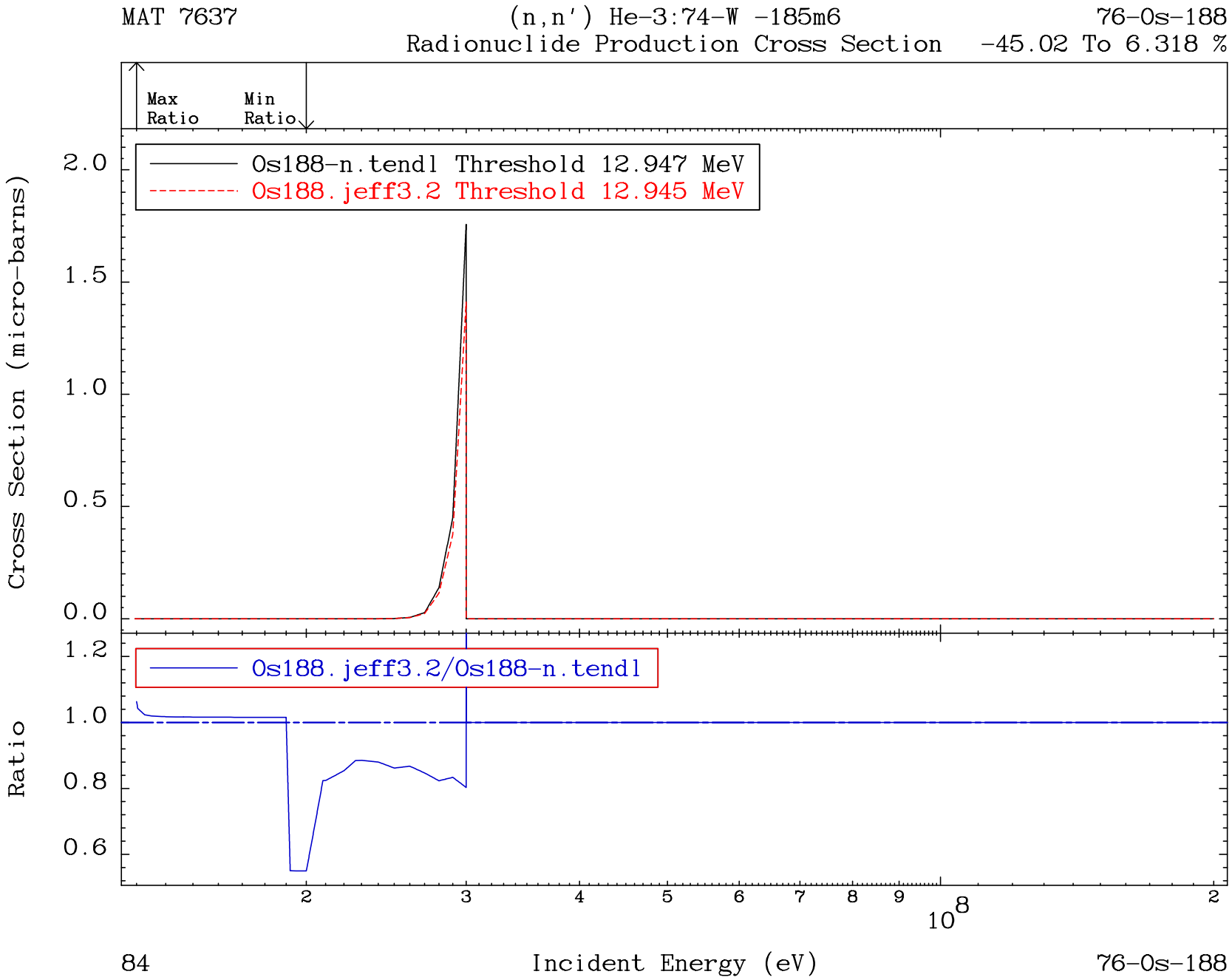

MAT 7637
(n,2n) α:74-W -183g
76-Os-188
Radionuclide Production Cross Section -54.27 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 5.2966 MeV
Os188.jeff3.2 Threshold 5.2939 MeV
Cross Section (milli-barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
79
76-Os-188

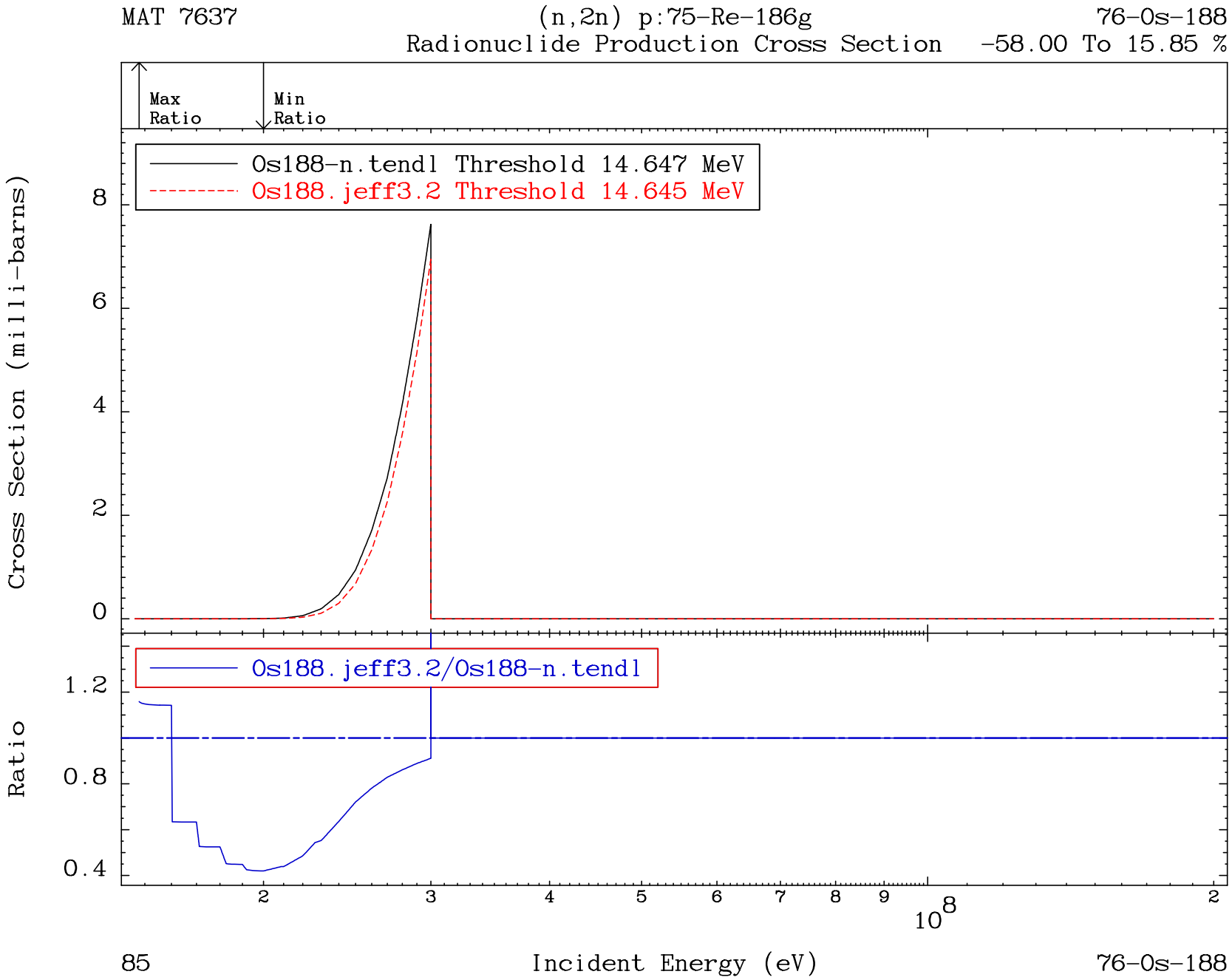

MAT 7637
(n,2n) α:74-W -183m7
76-Os-188
Radionuclide Production Cross Section -36.57 To 15.61 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 10.500 MeV
Os188.jeff3.2 Threshold 10.500 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
76-Os-188

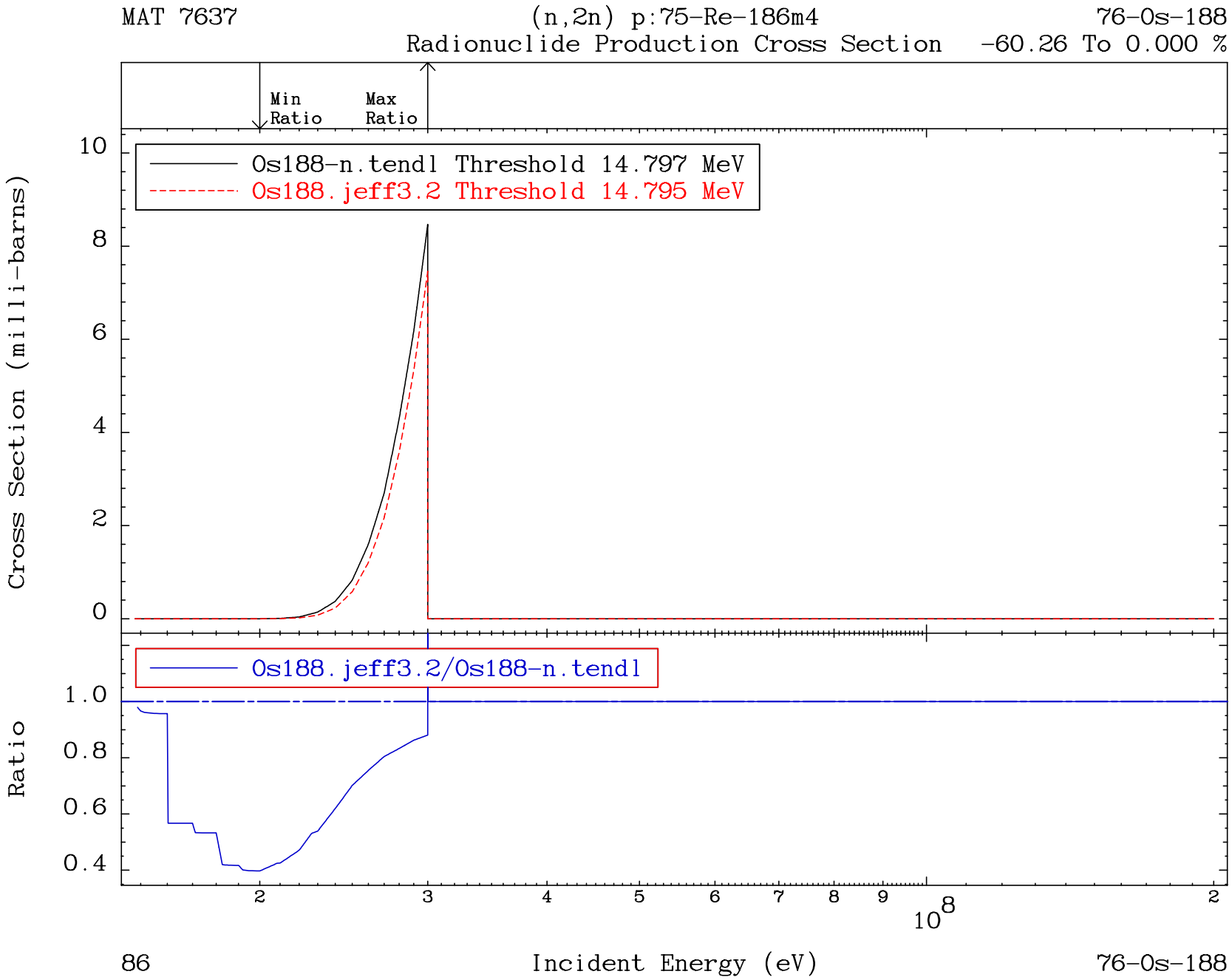

MAT 7637
(n,n') d:75-Re-186g
76-Os-188
Radionuclide Production Cross Section
-77.90 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 12.411 MeV
Os188.jeff3.2 Threshold 12.408 MeV
Cross Section (milli-barns)
0
1
2
3
Os188.jeff3.2/Os188-n.tendl
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
76-Os-188

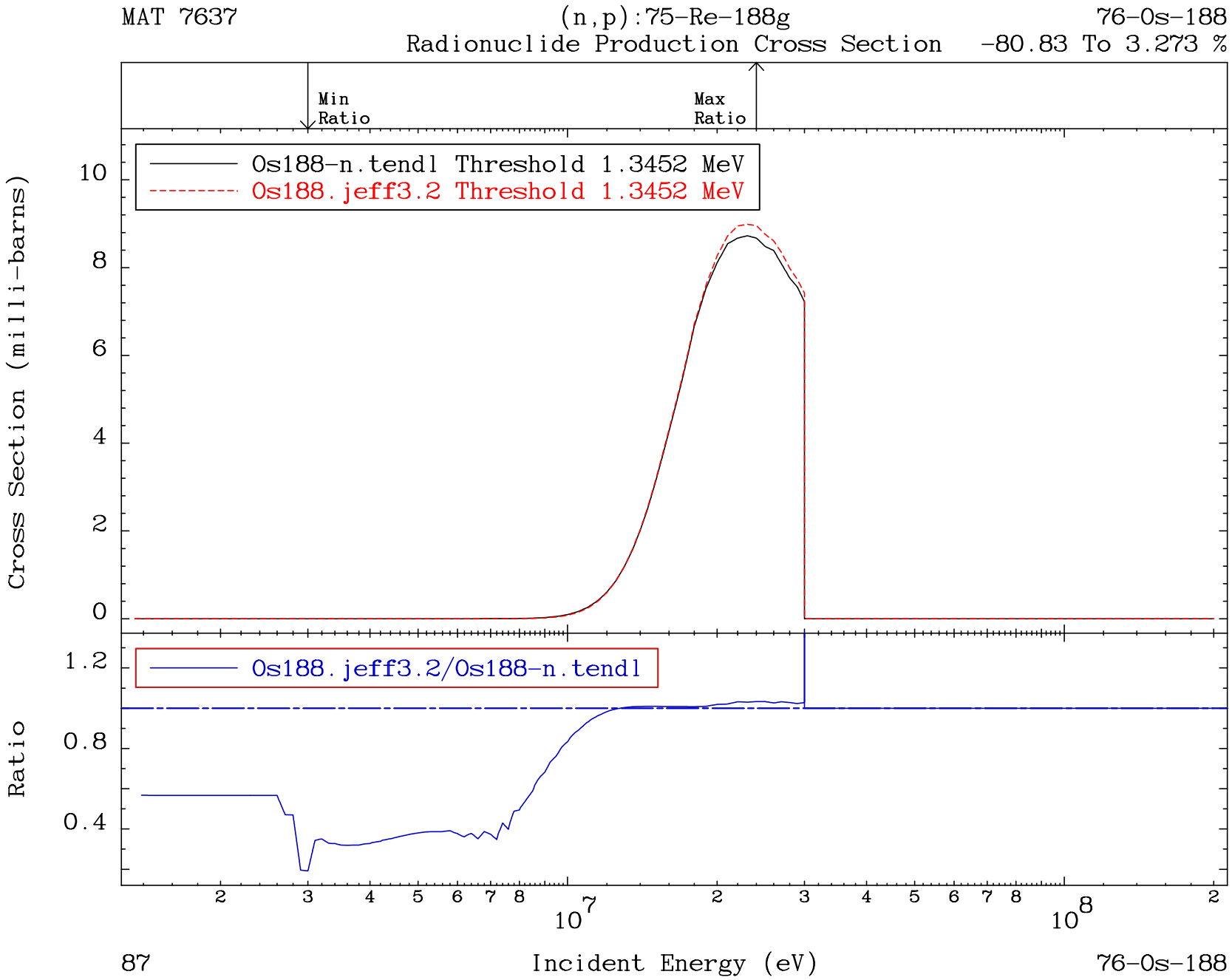

MAT 7637
(n,n') d:75-Re-186m4
76-0s-188
Radionuclide Production Cross Section -68.34 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 14.500 MeV
0s188.jeff3.2 Threshold 14.500 MeV
Cross Section (milli-barns)
0
1
2
3
4
0s188.jeff3.2/0s188-n.tendl
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
76-0s-188

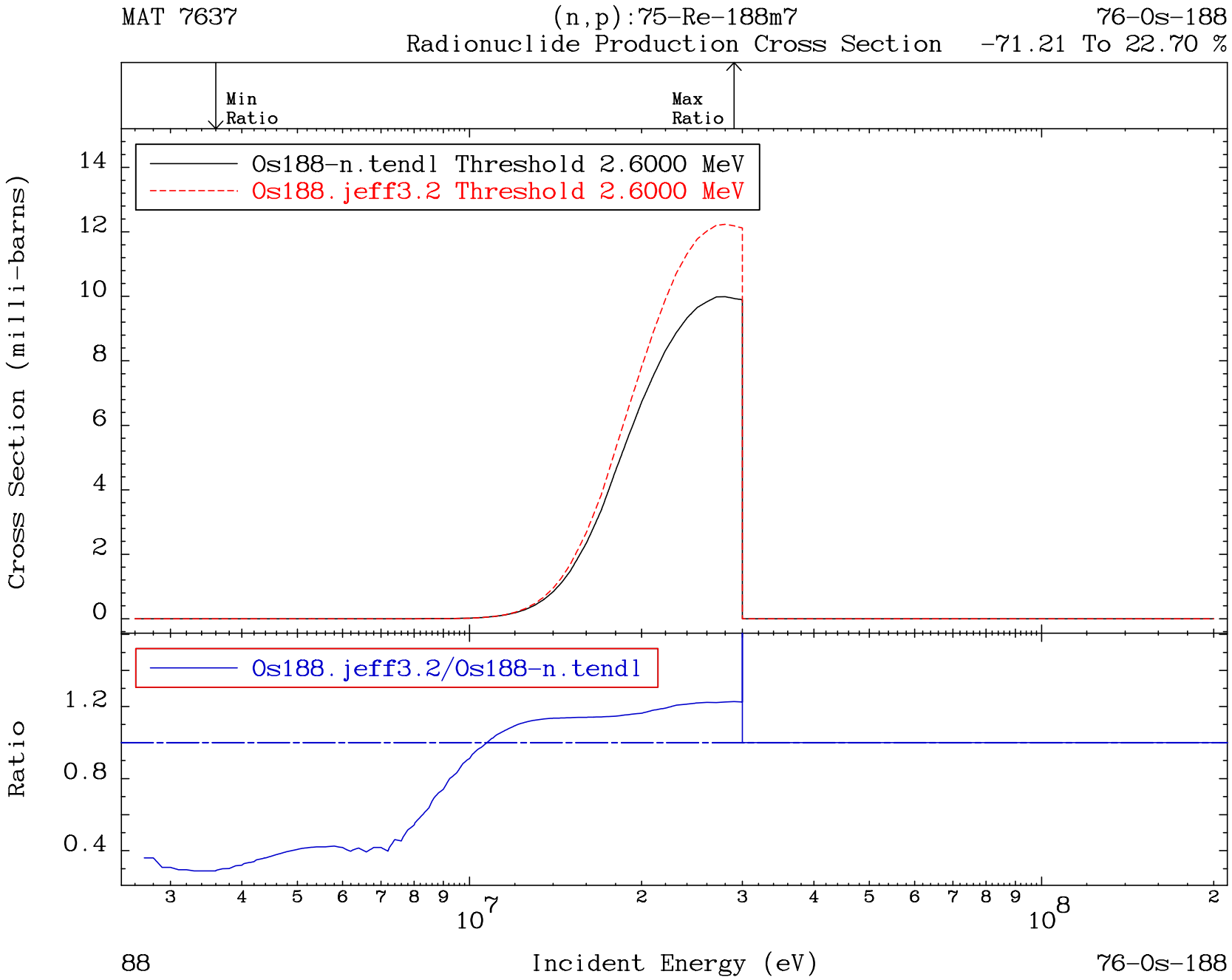

MAT 7637
(n,n') He-3:74-W -185g
76-0s-188
Radionuclide Production Cross Section
-31.43 To 0.000 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 12.749 MeV
0s188.jeff3.2 Threshold 12.746 MeV
Cross Section (micro-barns)
0
1
2
3
4
0s188.jeff3.2/0s188-n.tendl
Ratio
1.0
0.9
0.8
0.7
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
76-0s-188

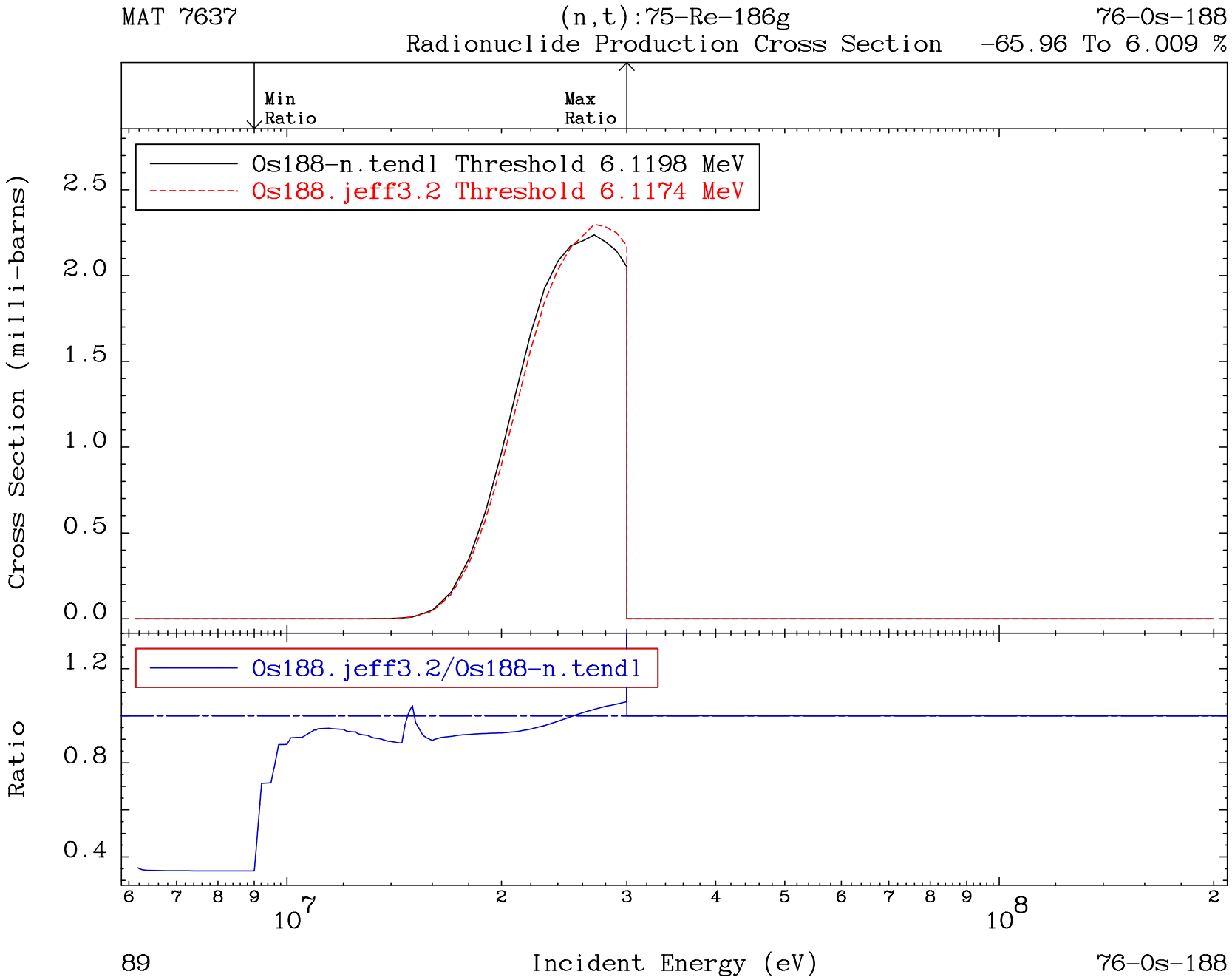

MAT 7637
(n,n') He-3:74-W -185m6
76-0s-188
Radionuclide Production Cross Section -45.02 To 6.318 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 12.947 MeV
0s188.jeff3.2 Threshold 12.945 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
0s188.jeff3.2/0s188-n.tendl
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
2
10^8
84
Incident Energy (eV)
76-0s-188

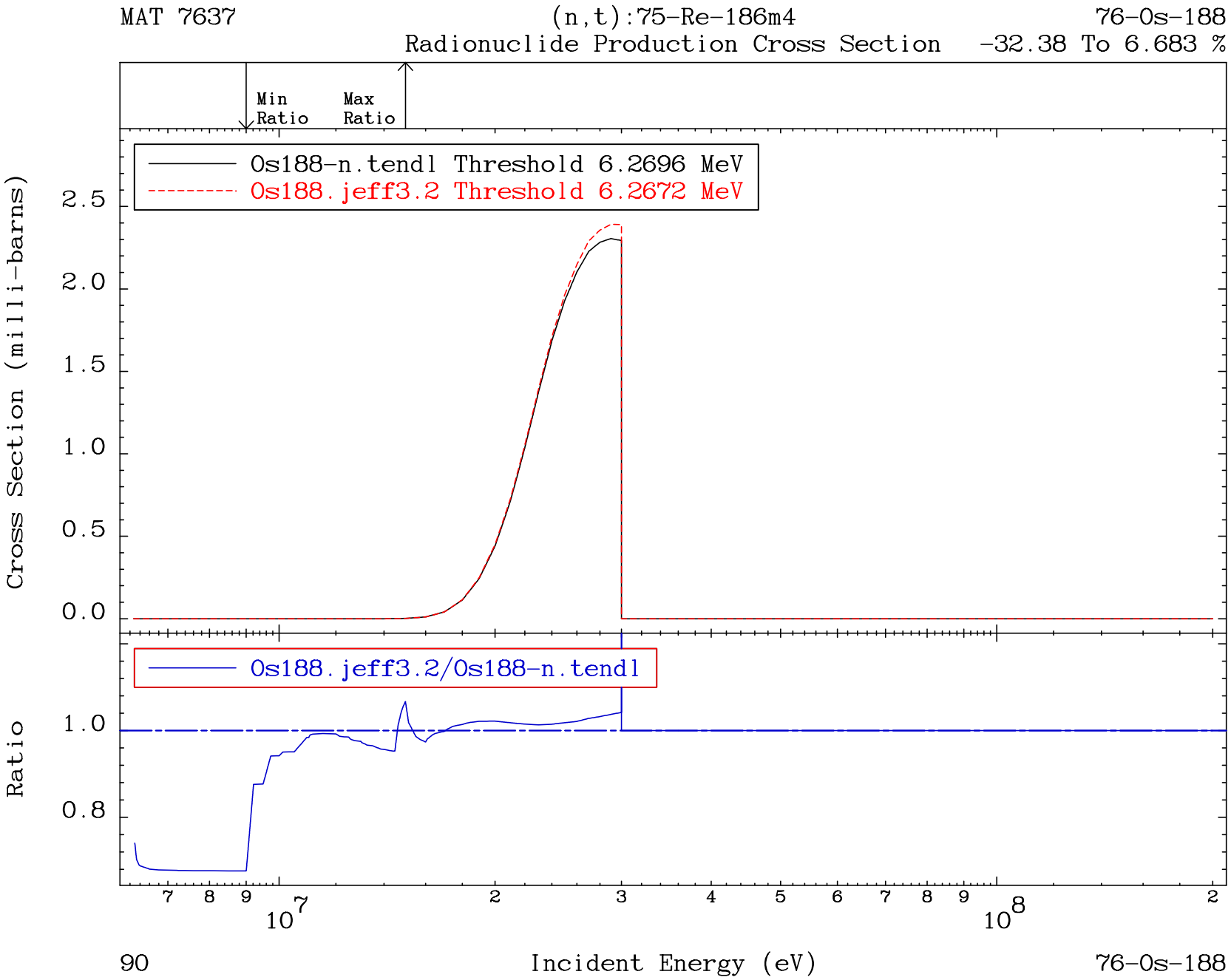

MAT 7637
(n,2n) p:75-Re-186g
76-0s-188
Radionuclide Production Cross Section -58.00 To 15.85 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 14.647 MeV
0s188.jeff3.2 Threshold 14.645 MeV
Cross Section (milli-barns)
0
2
4
6
8
0s188.jeff3.2/0s188-n.tendl
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
76-0s-188


MAT 7637
(n,2n) p:75-Re-186m4
76-Os-188
Radionuclide Production Cross Section -60.26 To 0.000 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 14.797 MeV
Os188.jeff3.2 Threshold 14.795 MeV
Cross Section (milli-barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
86
76-Os-188


MAT 7637
(n,p):75-Re-188g
76-Os-188
Radionuclide Production Cross Section
-80.83 To 3.273 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.3452 MeV
Os188.jeff3.2 Threshold 1.3452 MeV
Cross Section (milli-barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
87
76-Os-188


MAT 7637
(n,p):75-Re-188m7
76-Os-188
Radionuclide Production Cross Section -71.21 To 22.70 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 2.6000 MeV
Os188.jeff3.2 Threshold 2.6000 MeV
Cross Section (milli-barns)
Os188.jeff3.2/Os188-n.tendl
Ratio
Incident Energy (eV)
88
76-Os-188


MAT 7637
(n,t):75-Re-186g
76-Os-188
Radionuclide Production Cross Section -65.96 To 6.009 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 6.1198 MeV
Os188.jeff3.2 Threshold 6.1174 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.2
0.8
0.4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
89
Incident Energy (eV)
76-Os-188


MAT 7637
(n,t):75-Re-186m4
76-Os-188
Radionuclide Production Cross Section
-32.38 To 6.683 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 6.2696 MeV
Os188.jeff3.2 Threshold 6.2672 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jeff3.2/Os188-n.tendl
Ratio
1.0
0.8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
90
Incident Energy (eV)
76-Os-188