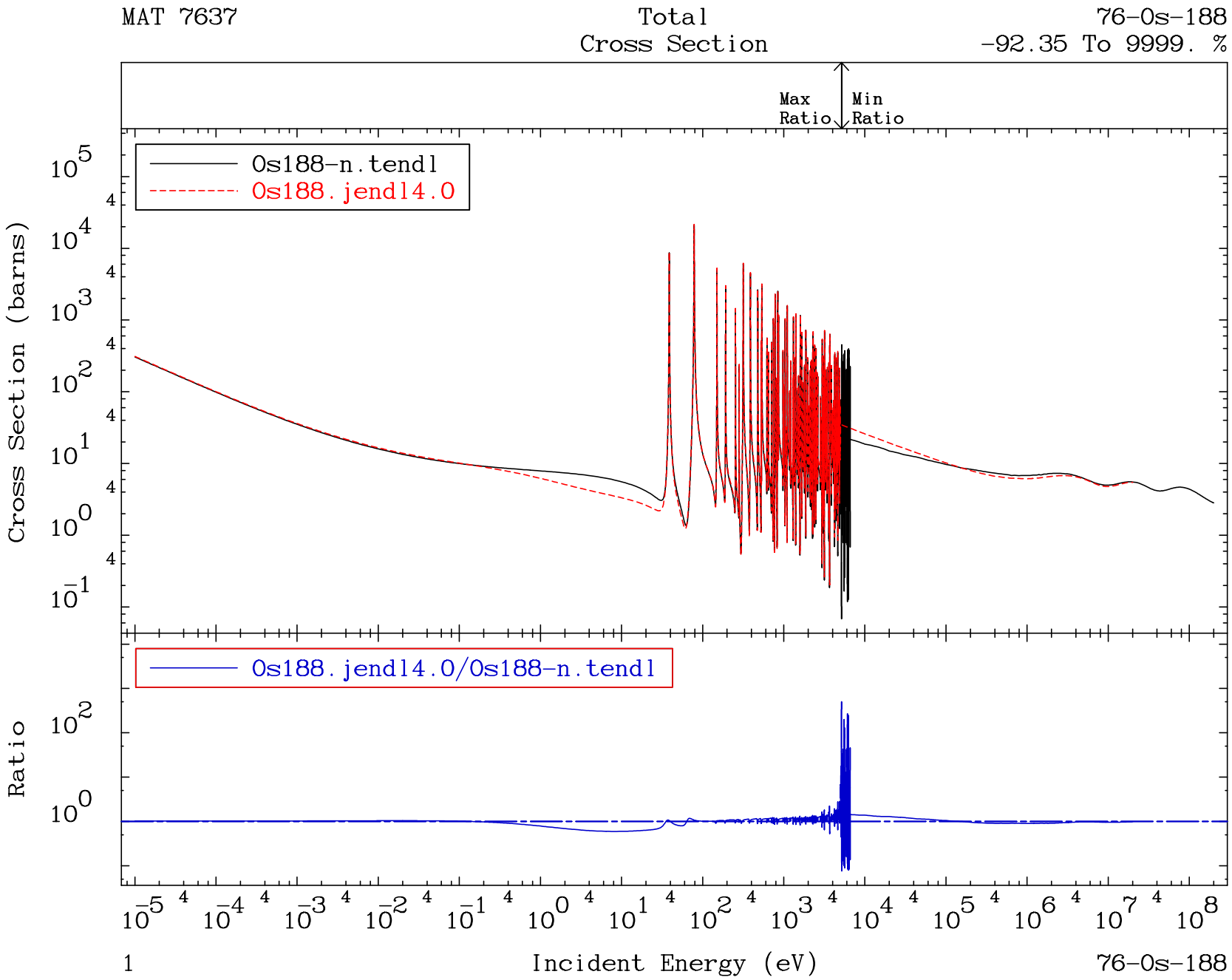
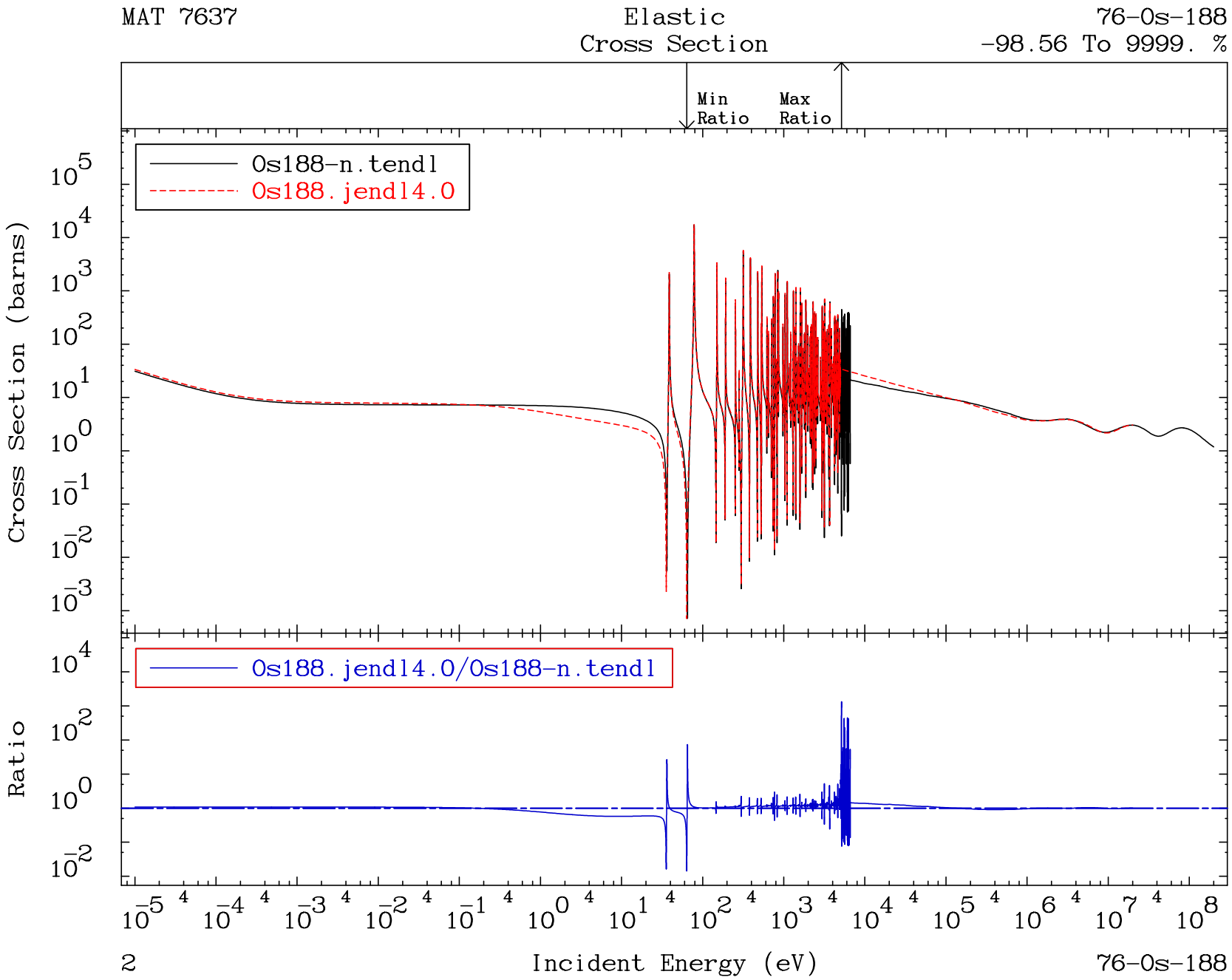
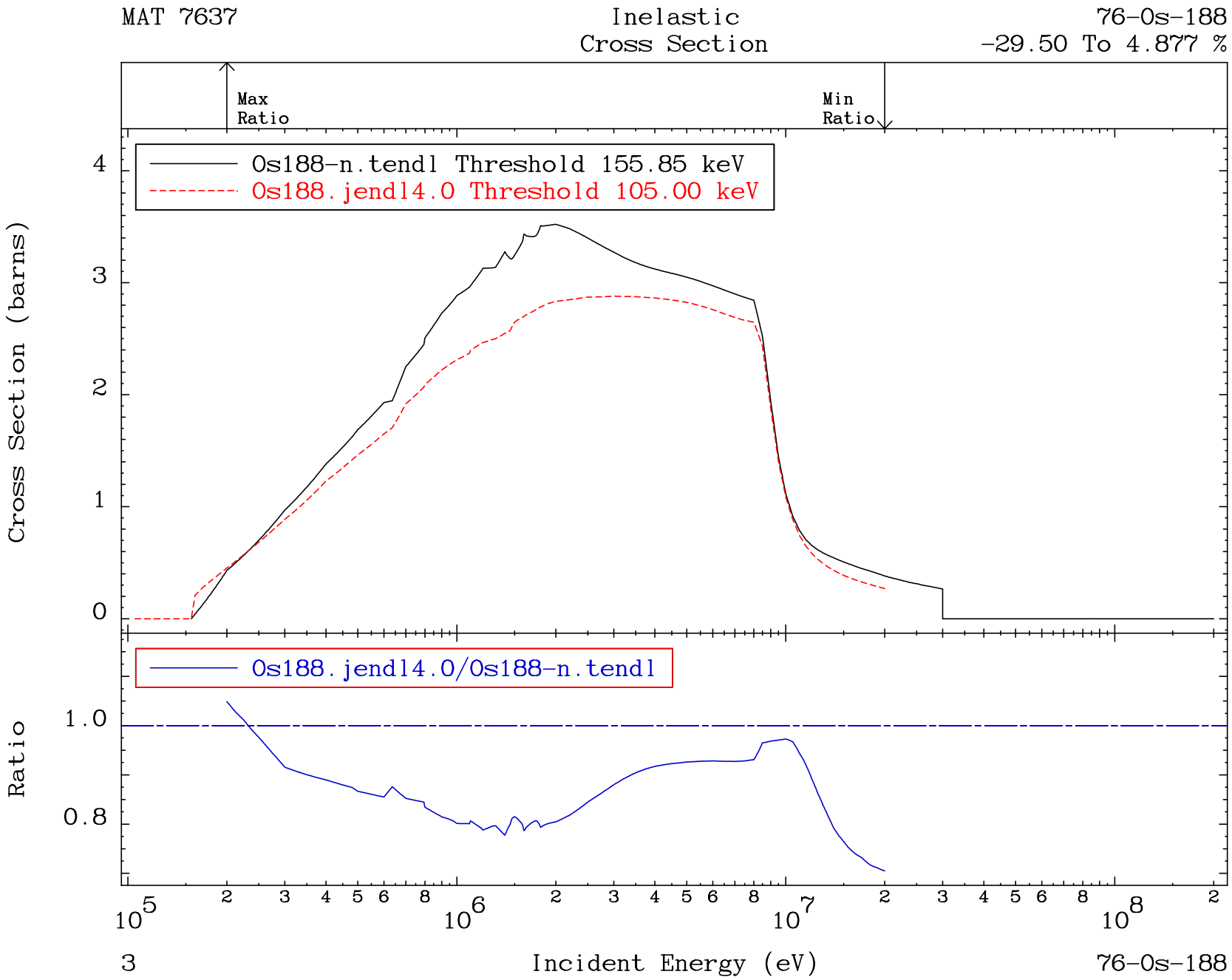
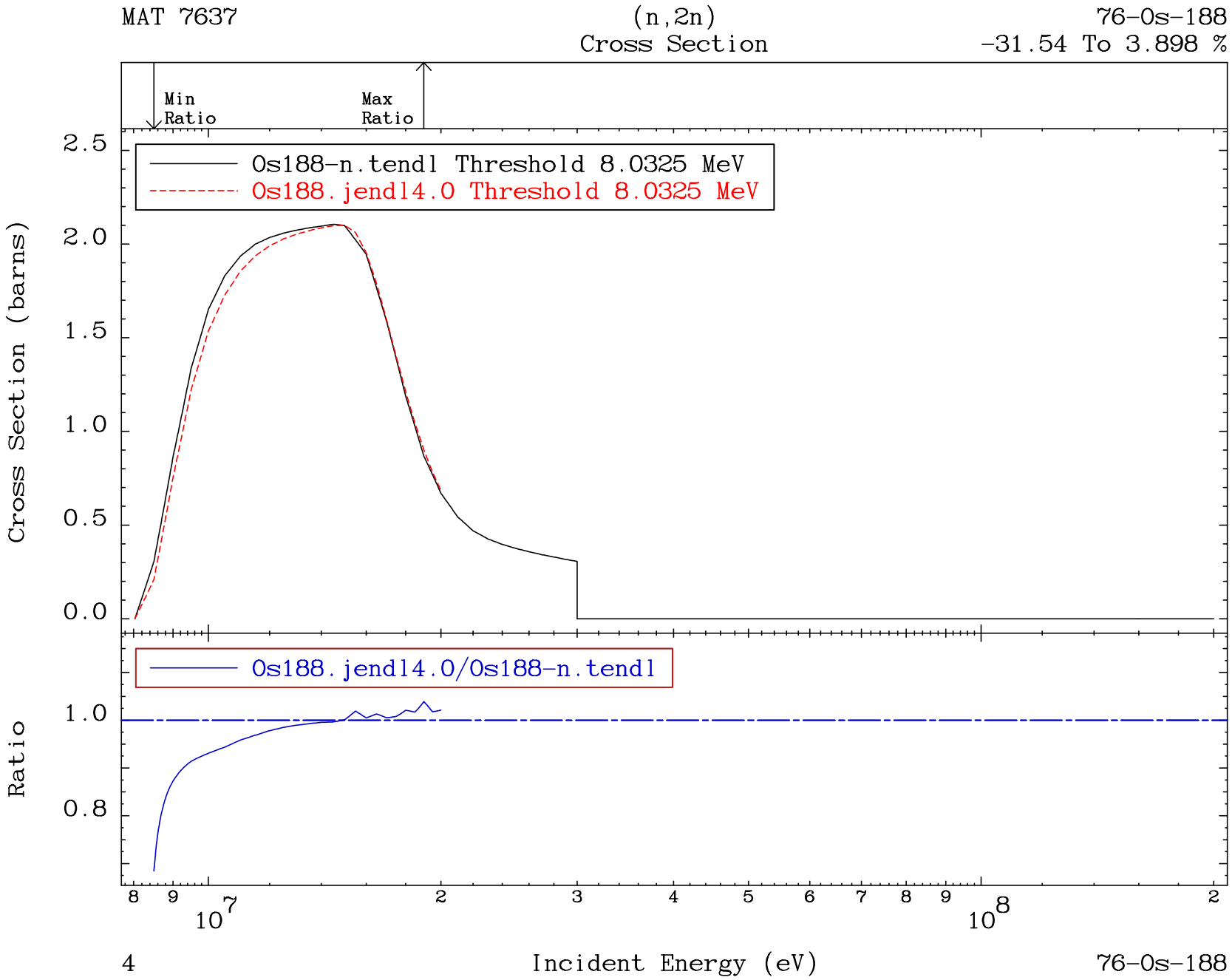
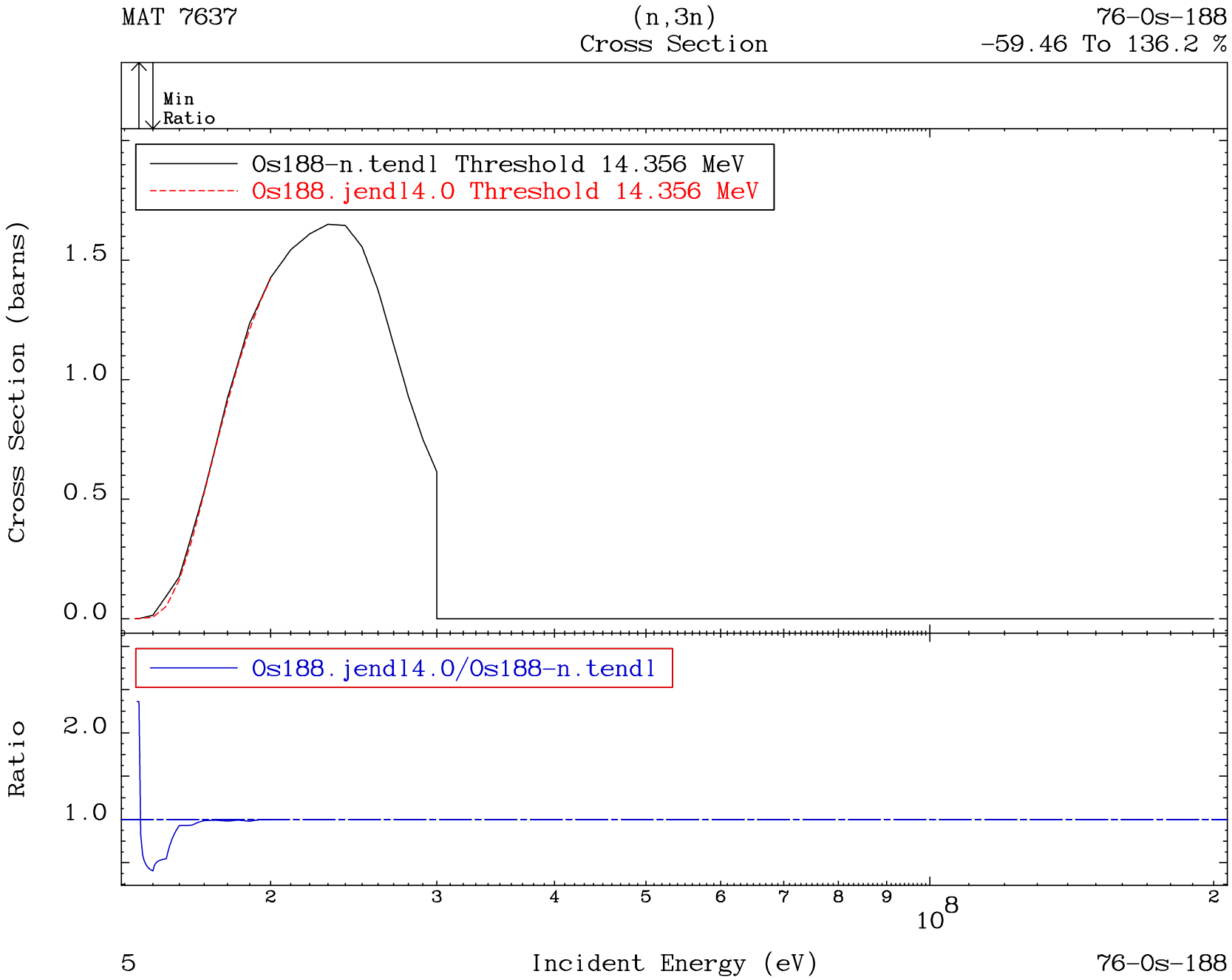
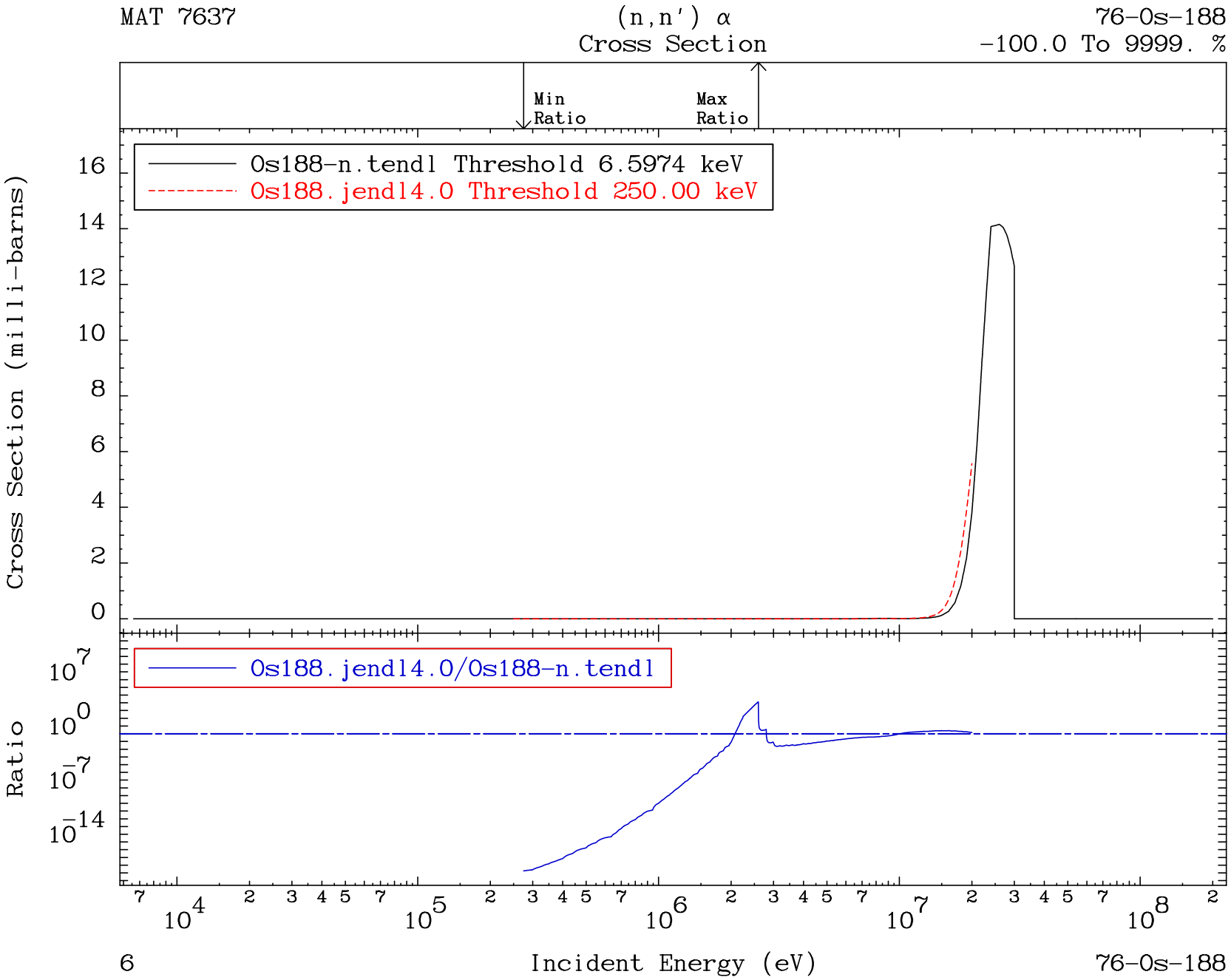

MAT 7637
Total
Cross Section
76-0s-188
-92.35 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
1
76-0s-188

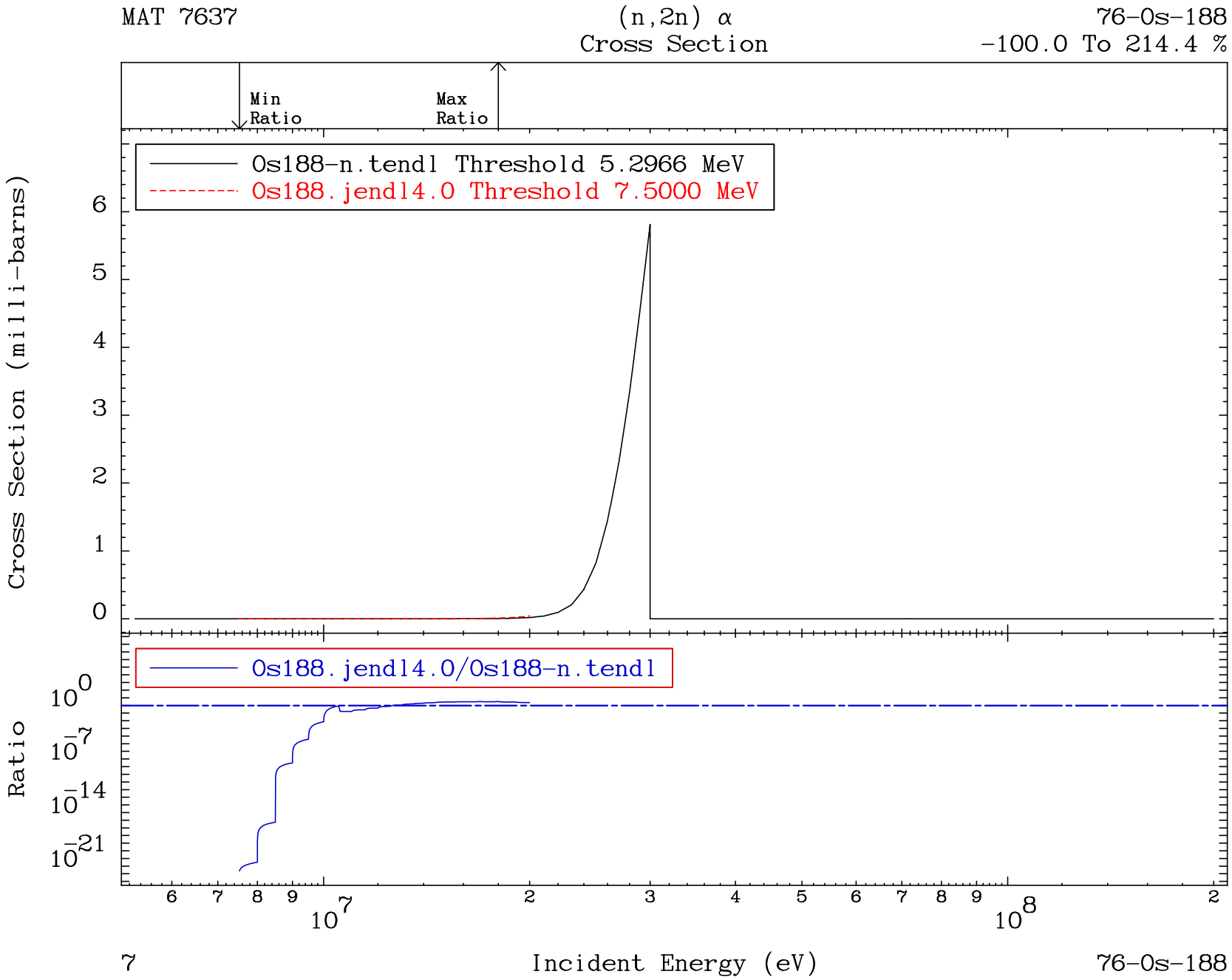

MAT 7637
Elastic
Cross Section
76-0s-188
-98.56 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
2
76-0s-188

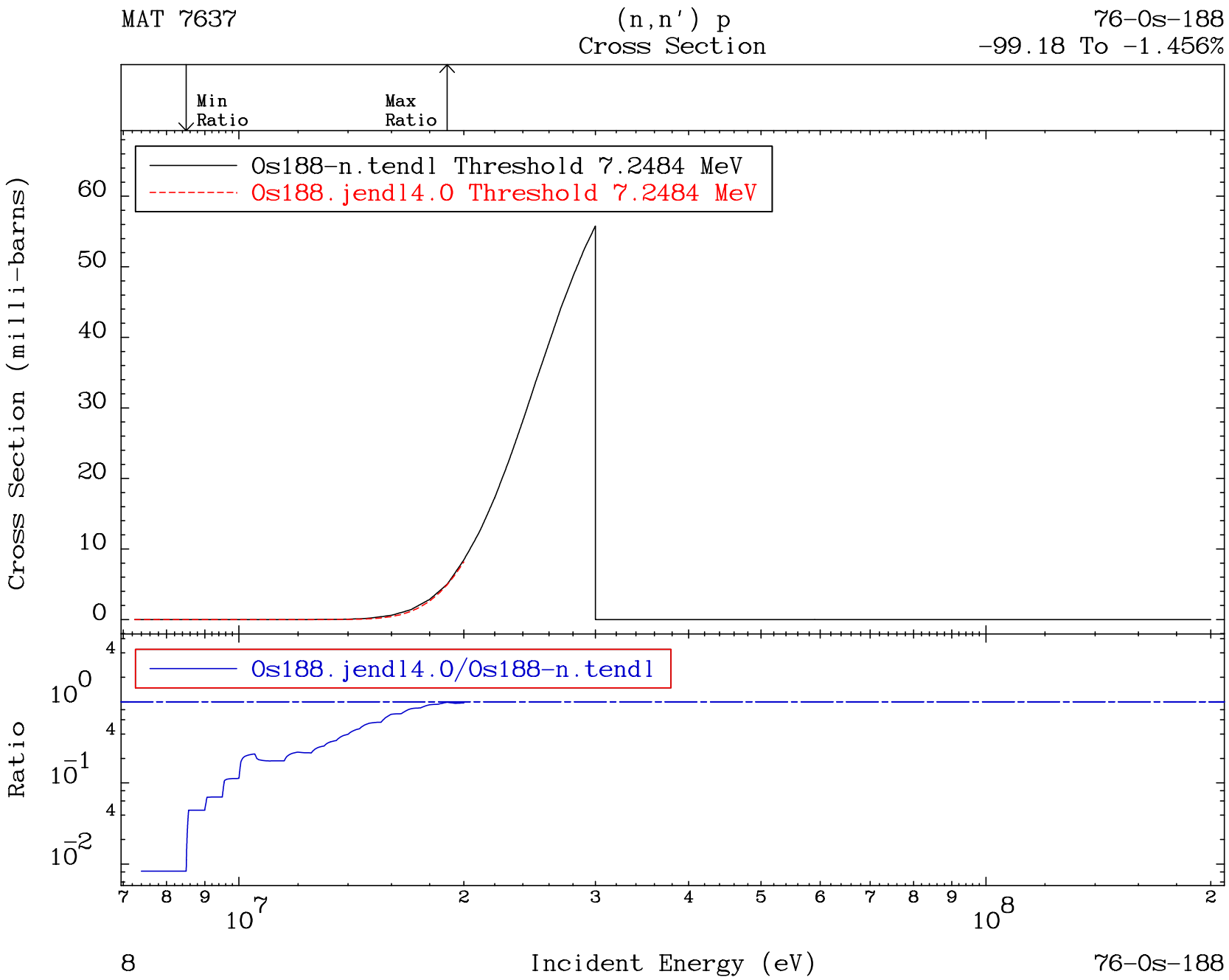

MAT 7637
Inelastic
Cross Section
76-0s-188
-29.50 To 4.877 %
Max
Ratio
Min
Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jendl4.0 Threshold 105.00 keV
Cross Section (barns)
0
1
2
3
4
0s188.jendl4.0/0s188-n.tendl
Ratio
1.0
0.8
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
76-0s-188

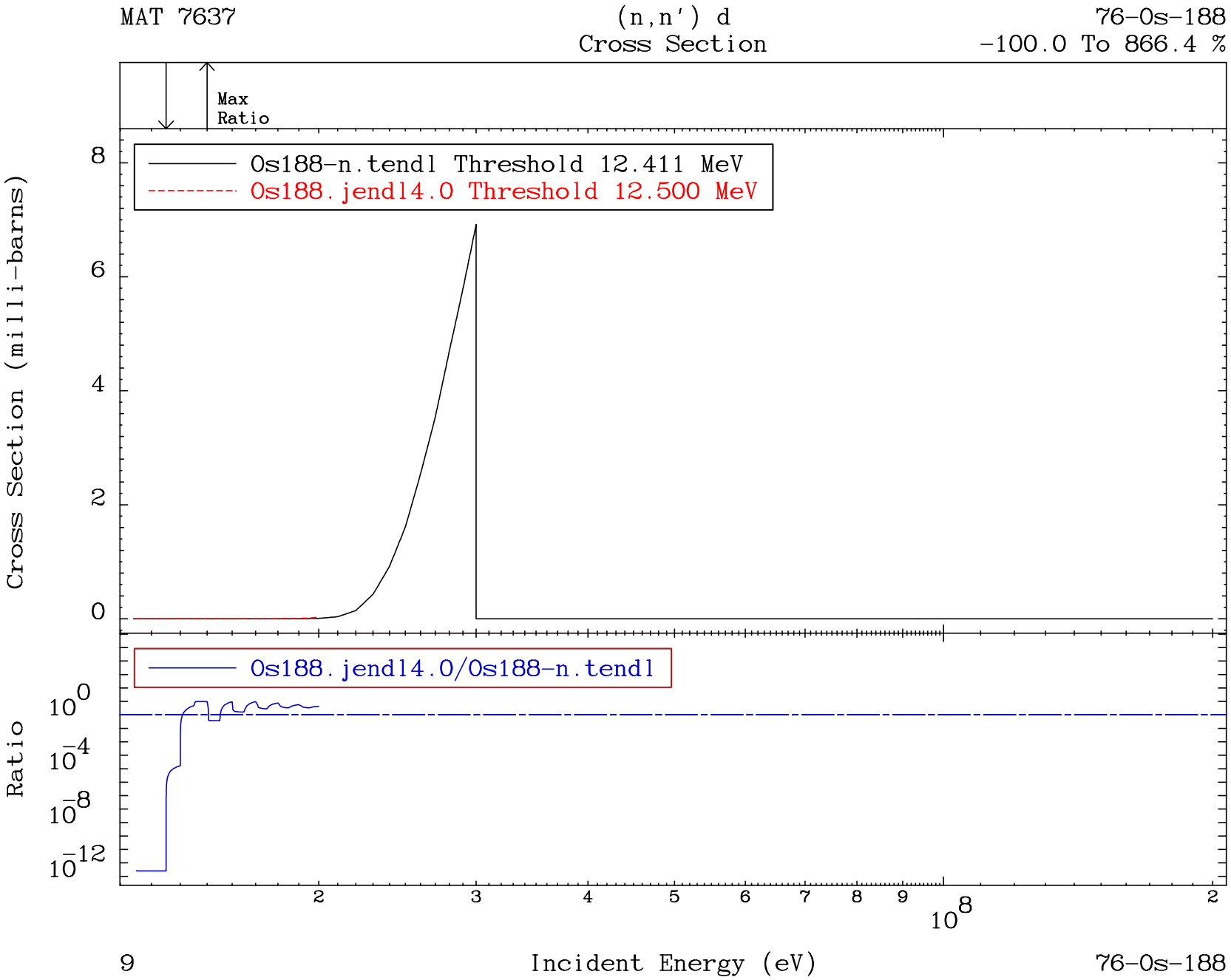

MAT 7637
(n,2n)
Cross Section
76-Os-188
-31.54 To 3.898 %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 8.0325 MeV
Os188.jendl4.0 Threshold 8.0325 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jendl4.0/Os188-n.tendl
Ratio
1.0
0.8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
76-Os-188

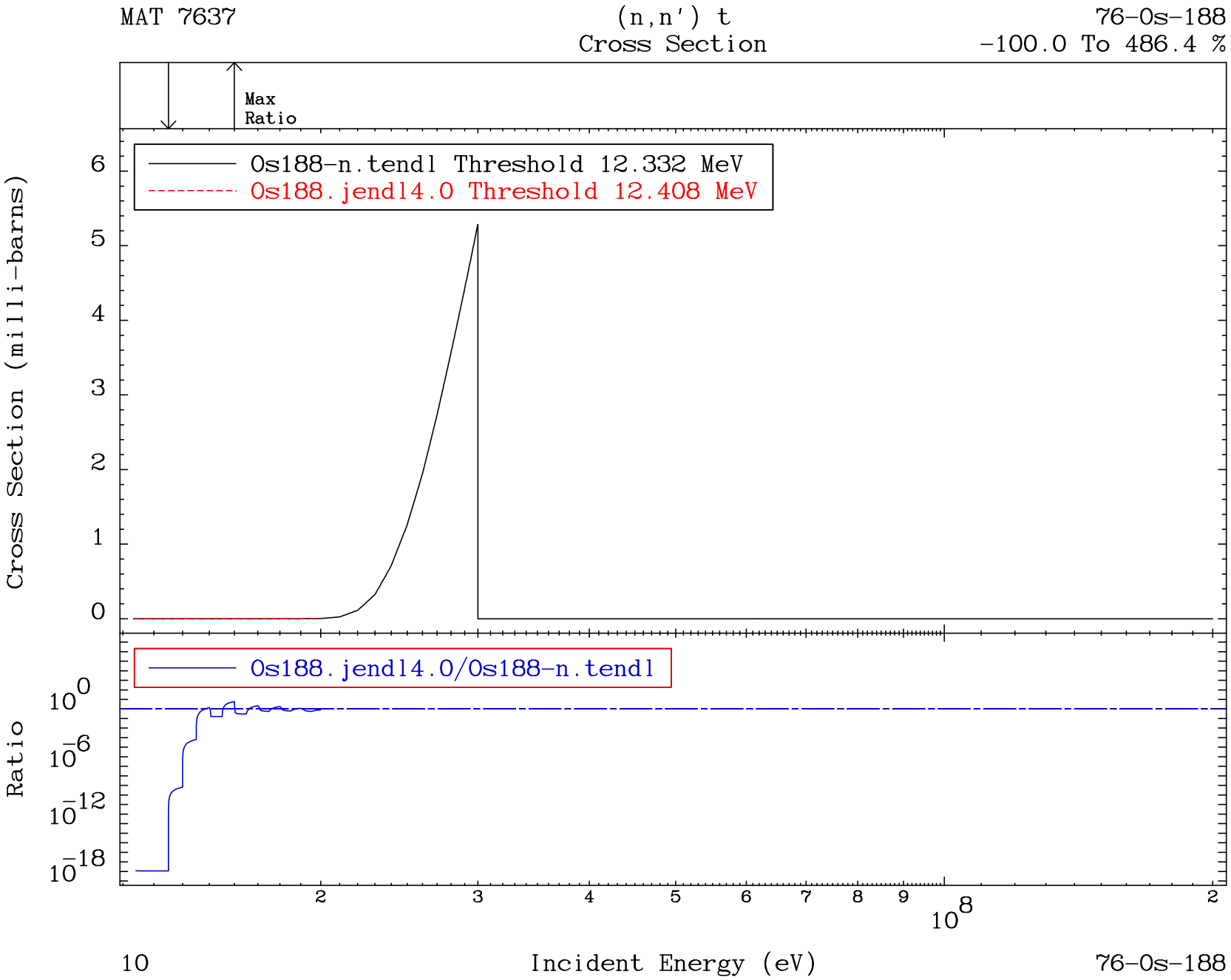

MAT 7637
(n,3n)
Cross Section
76-Os-188
-59.46 To 136.2 %
Min
Ratio
Os188-n.tendl Threshold 14.356 MeV
Os188.jendl4.0 Threshold 14.356 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
Os188.jendl4.0/Os188-n.tendl
Ratio
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
76-Os-188

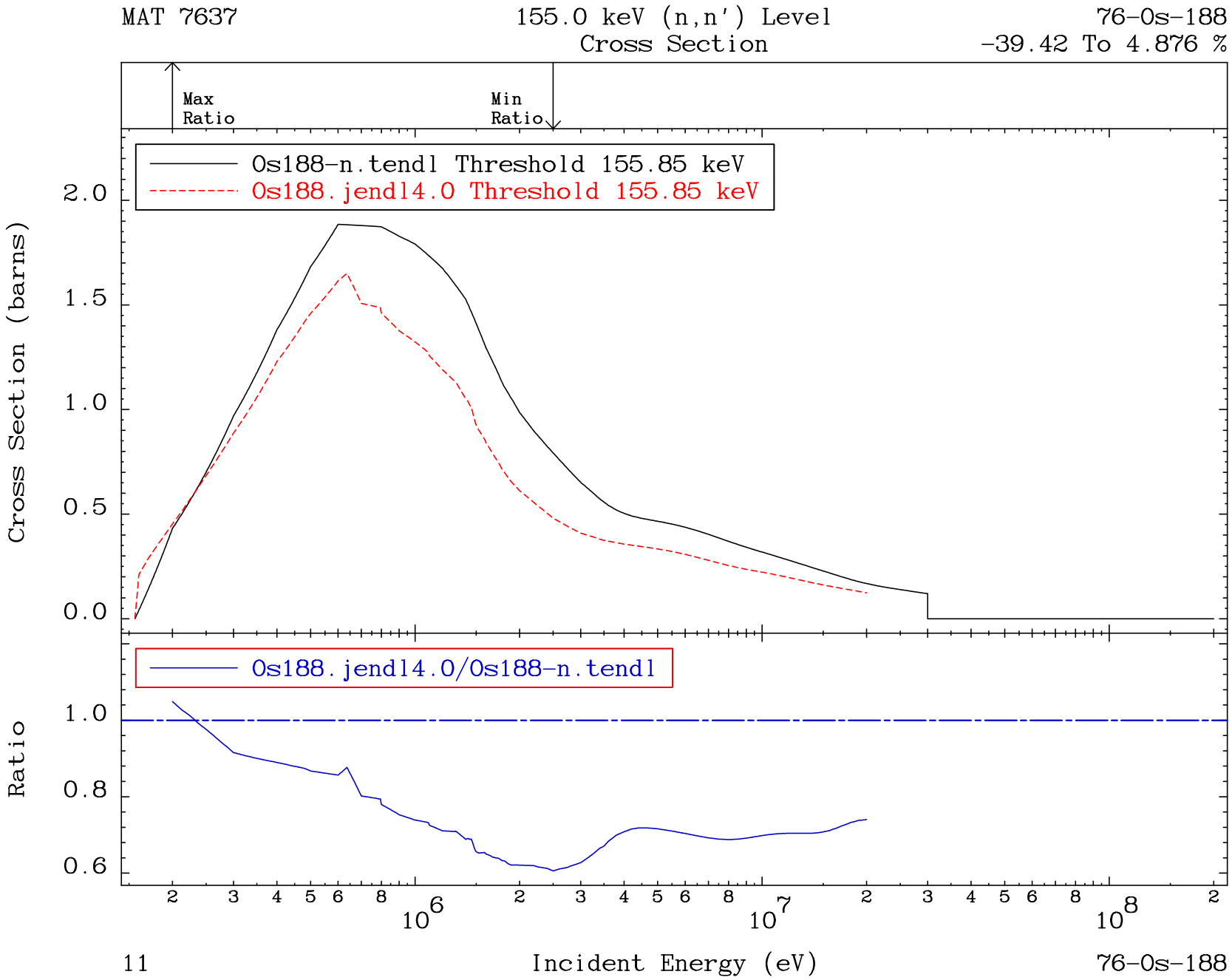

MAT 7637
(n,n') α
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 6.5974 keV
0s188.jendl4.0 Threshold 250.00 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
0s188.jendl4.0/0s188-n.tendl
Ratio
10^7
10^0
10^-7
10^-14
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
6
76-0s-188

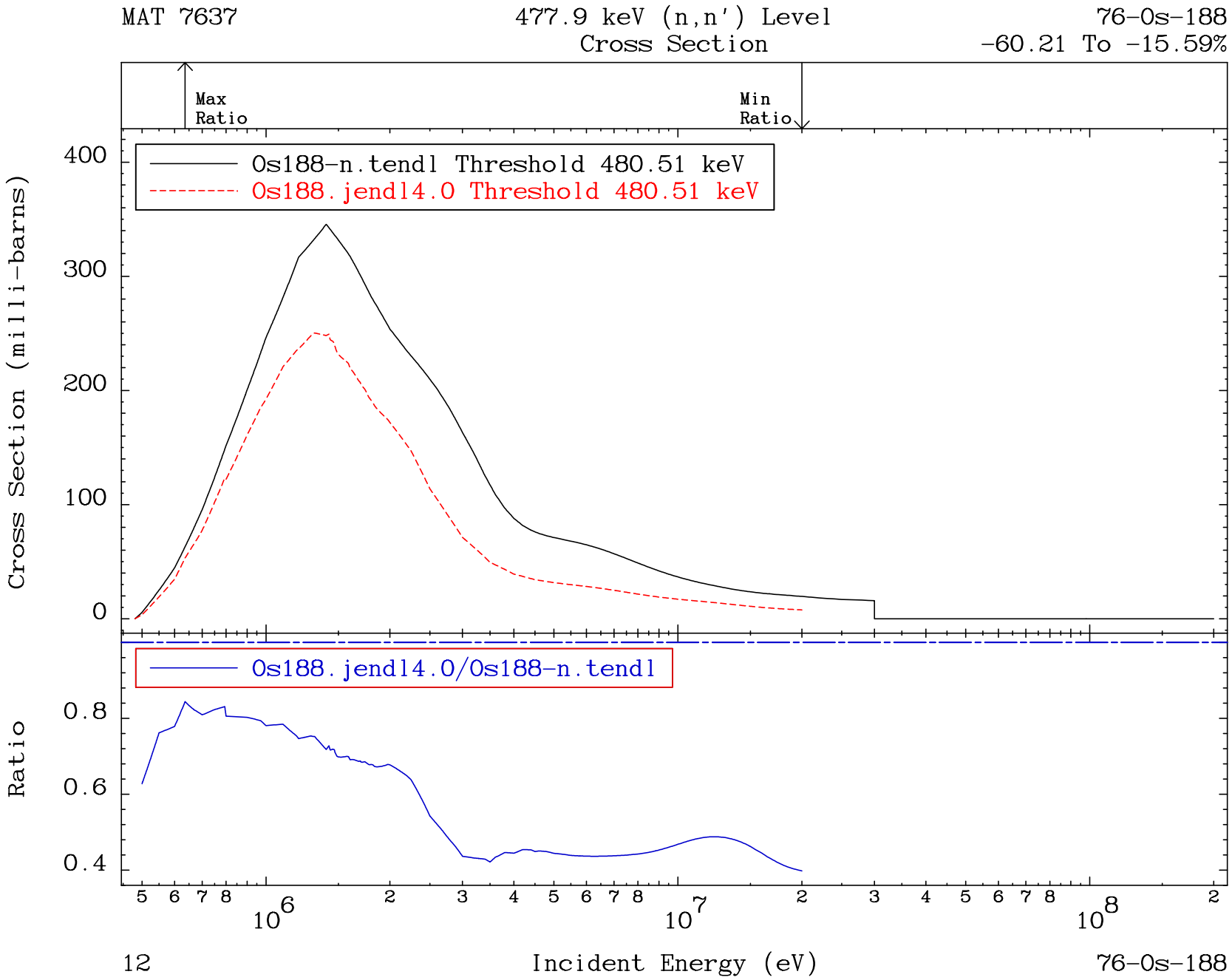

MAT 7637
(n,2n) α
Cross Section
76-0s-188
-100.0 To 214.4 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 5.2966 MeV
0s188.jendl4.0 Threshold 7.5000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^-7
10^-14
10^-21
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
76-0s-188

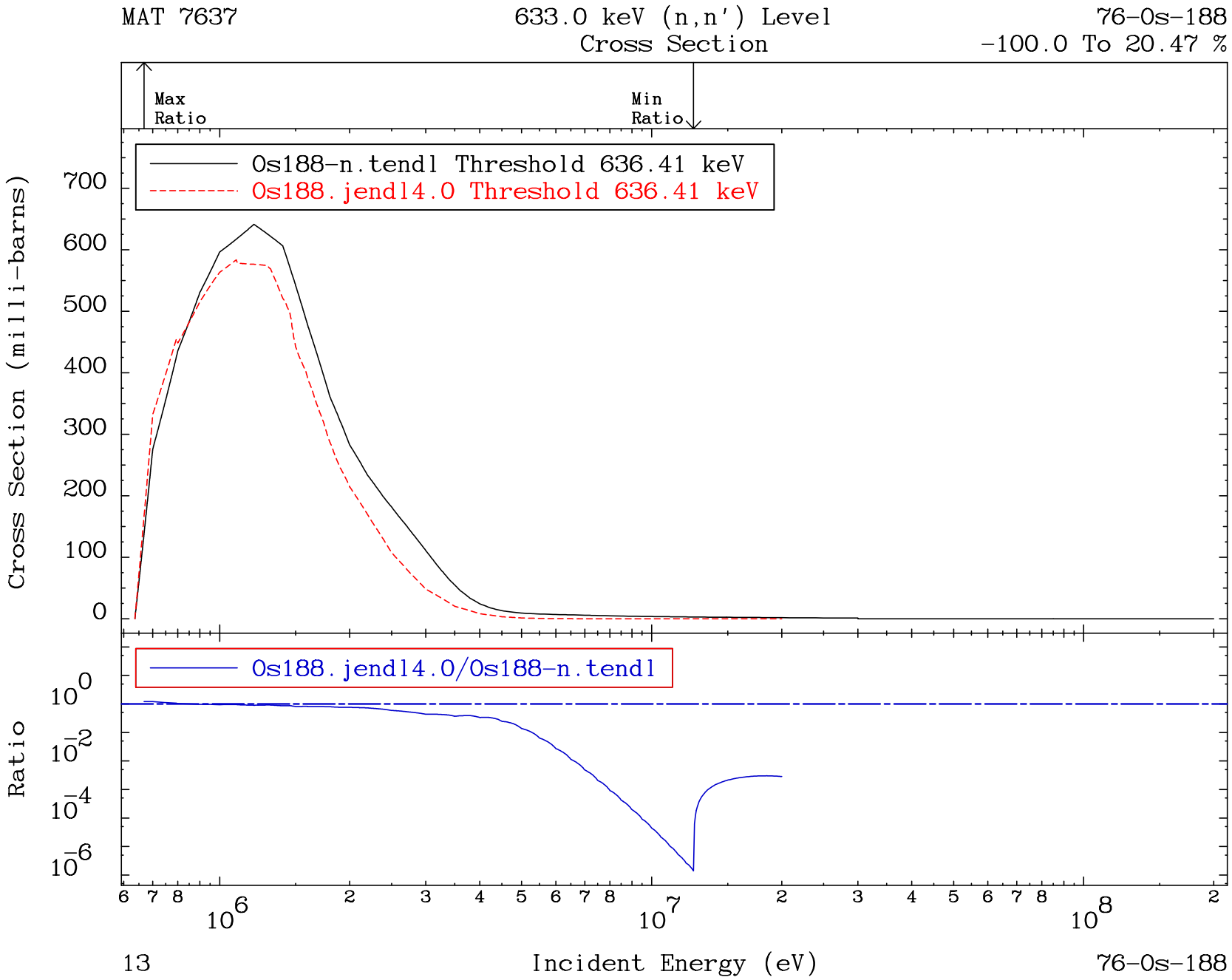

MAT 7637
(n,n') p
Cross Section
76-0s-188
-99.18 To -1.456%
Min Ratio
Max Ratio
0s188-n.tendl Threshold 7.2484 MeV
0s188.jendl4.0 Threshold 7.2484 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
60
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^-1
10^-2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
8
76-0s-188

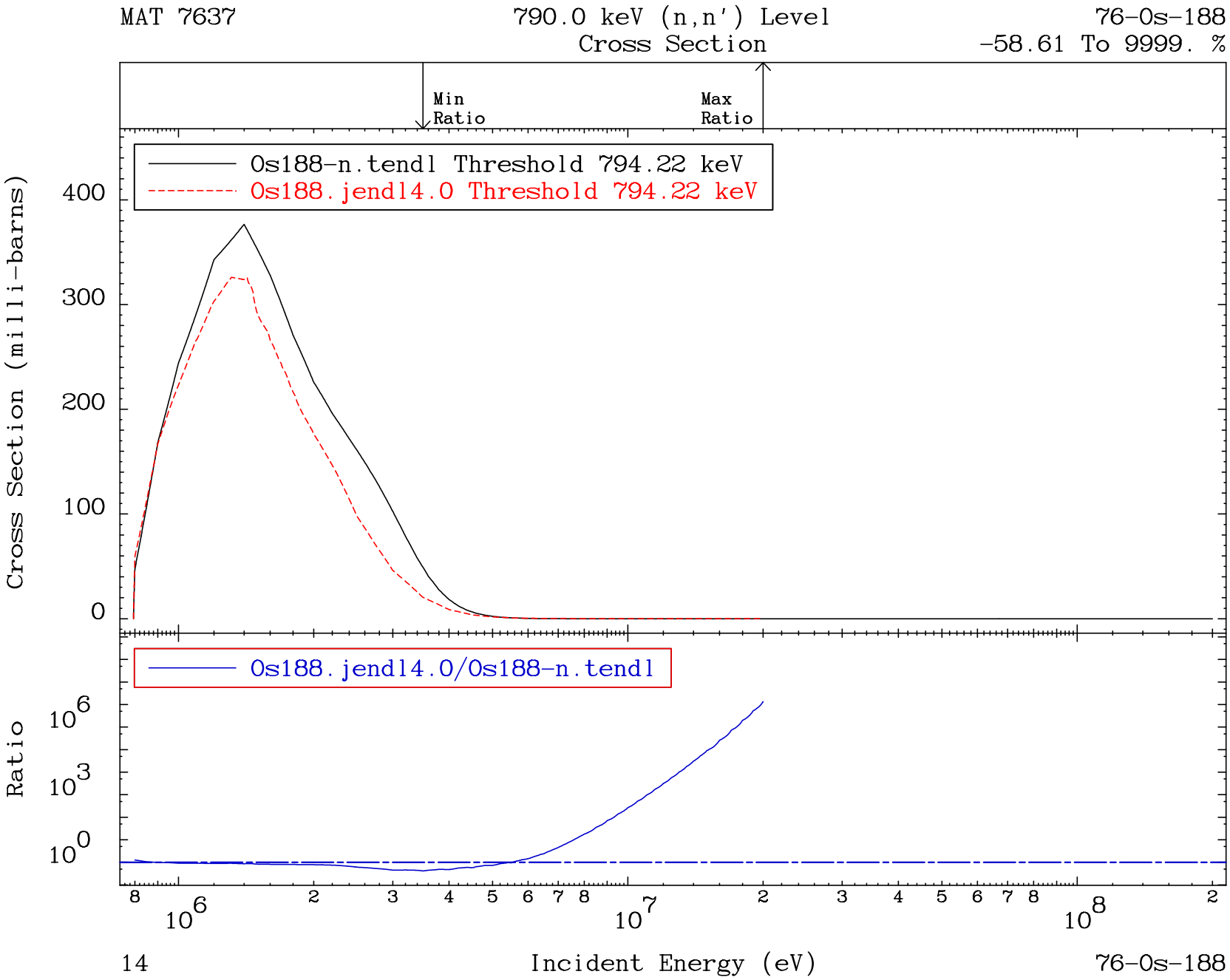

MAT 7637
(n,n') d
Cross Section
76-0s-188
-100.0 To 866.4 %
Max
Ratio
0s188-n.tendl Threshold 12.411 MeV
0s188.jendl4.0 Threshold 12.500 MeV
Cross Section (milli-barns)
0
2
4
6
8
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^-4
10^-8
10^-12
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
76-0s-188

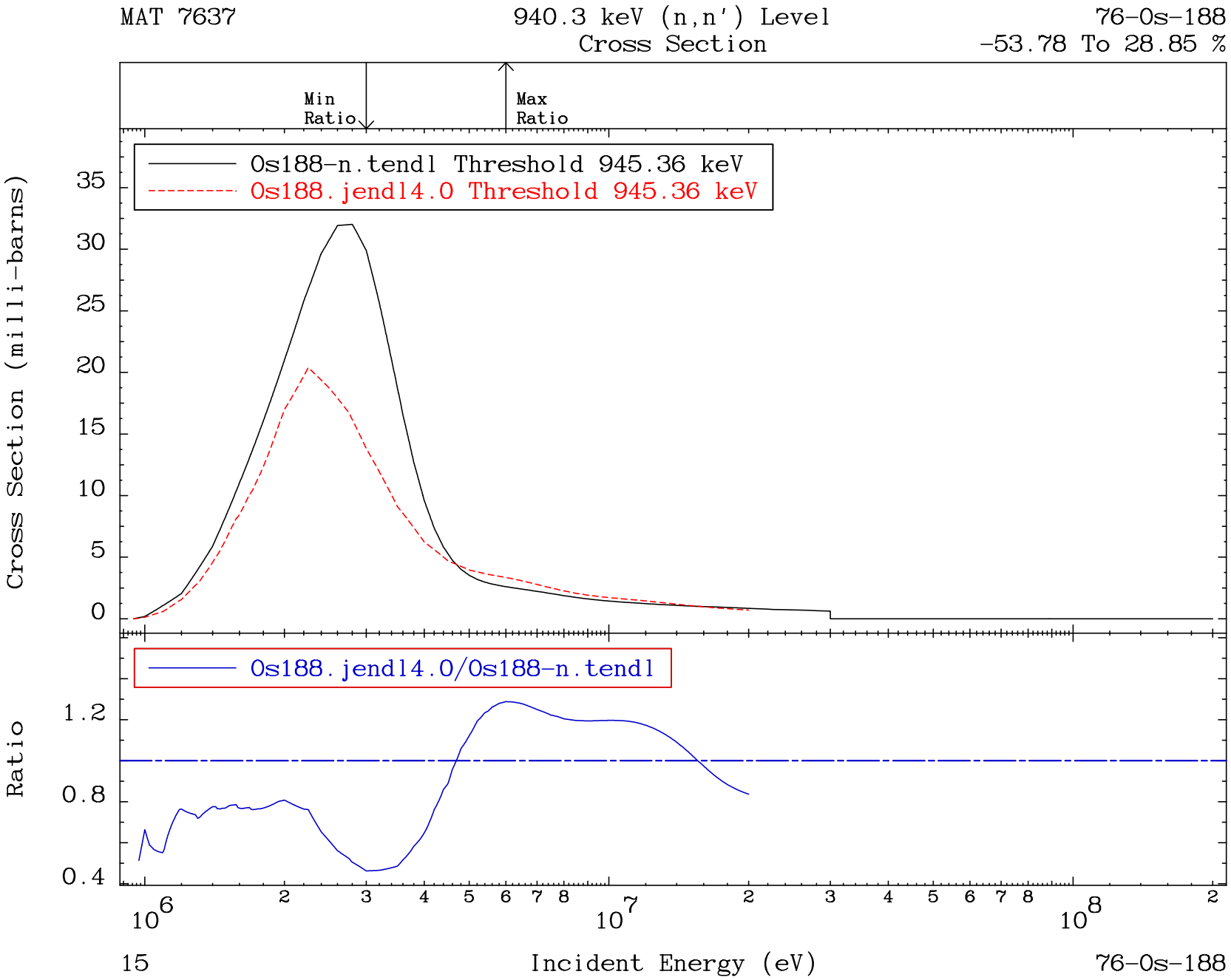

MAT 7637
(n,n') t
Cross Section
76-0s-188
-100.0 To 486.4 %
Max
Ratio
0s188-n.tendl Threshold 12.332 MeV
0s188.jendl4.0 Threshold 12.408 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^-6
10^-12
10^-18
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
76-0s-188

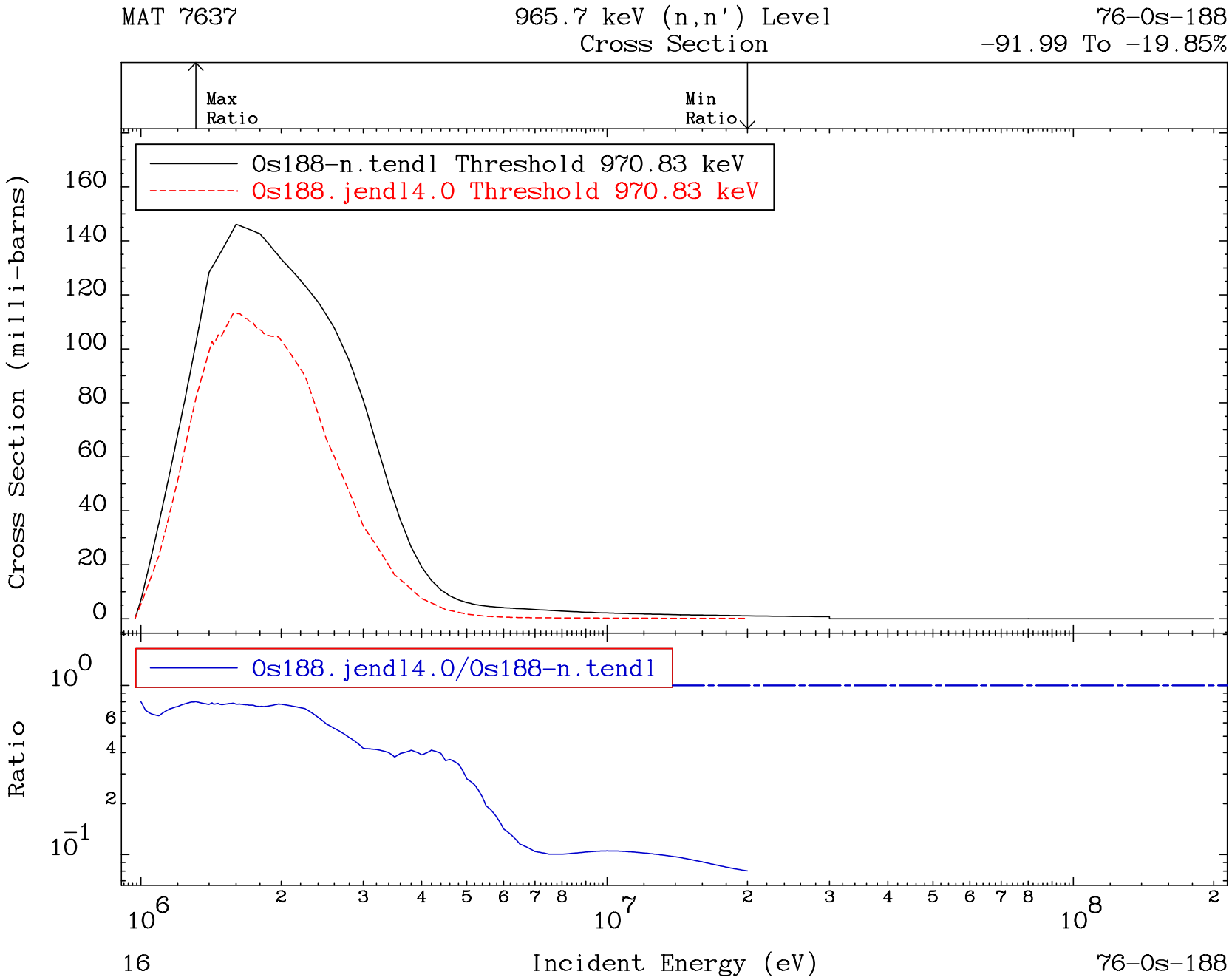

MAT 7637
155.0 keV (n,n') Level
Cross Section
76-0s-188
-39.42 To 4.876 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jendl4.0 Threshold 155.85 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
0s188.jendl4.0/0s188-n.tendl
Ratio
1.0
0.8
0.6
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
76-0s-188

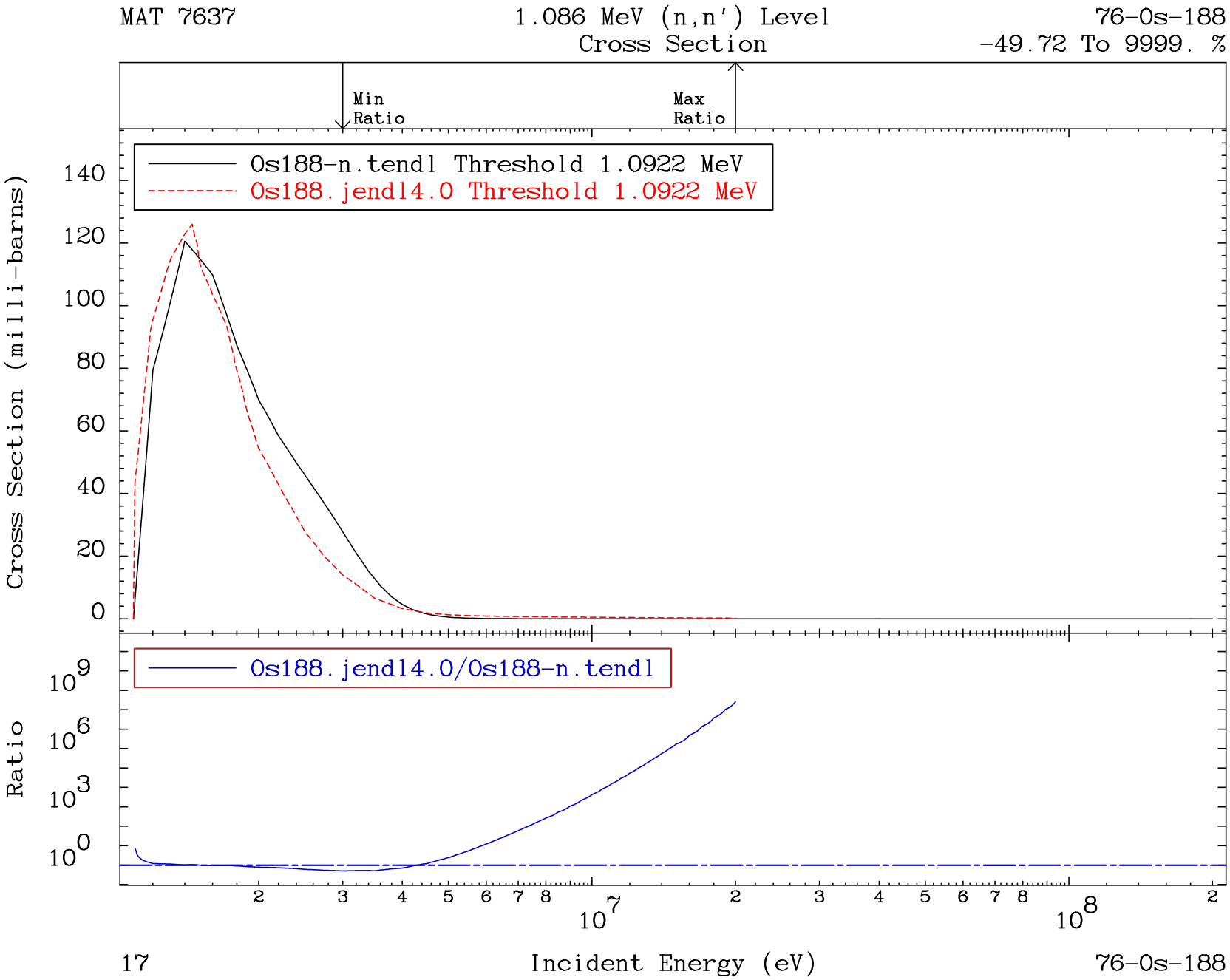

MAT 7637
477.9 keV (n,n') Level
Cross Section
76-0s-188
-60.21 To -15.59%
Max Ratio
Min Ratio
0s188-n.tendl Threshold 480.51 keV
0s188.jendl4.0 Threshold 480.51 keV
Cross Section (milli-barns)
400
300
200
100
0
0s188.jendl4.0/0s188-n.tendl
Ratio
0.8
0.6
0.4
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
76-0s-188

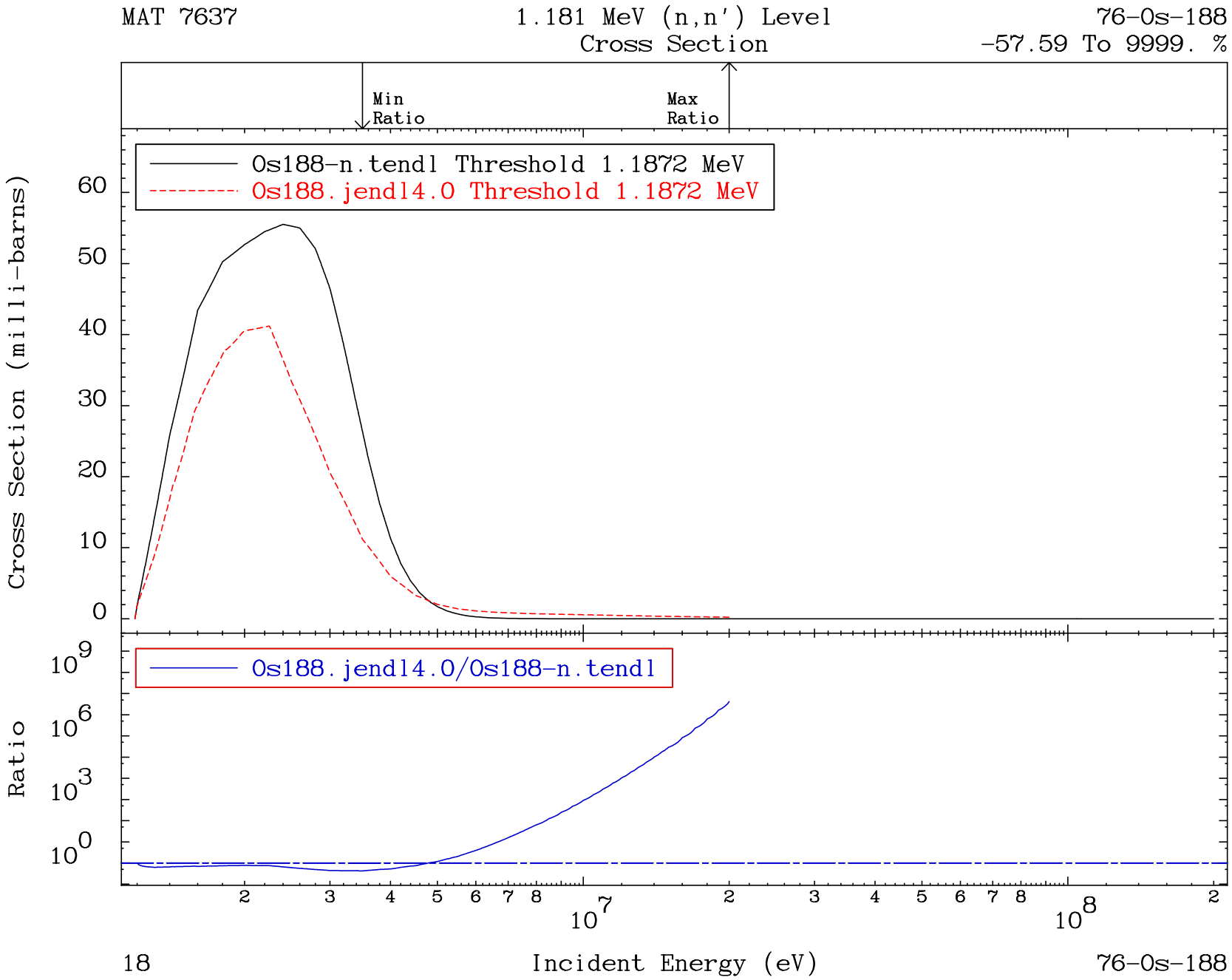

MAT 7637
633.0 keV (n,n') Level
Cross Section
76-0s-188
-100.0 To 20.47 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 636.41 keV
0s188.jendl4.0 Threshold 636.41 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^-2
10^-4
10^-6
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
76-0s-188

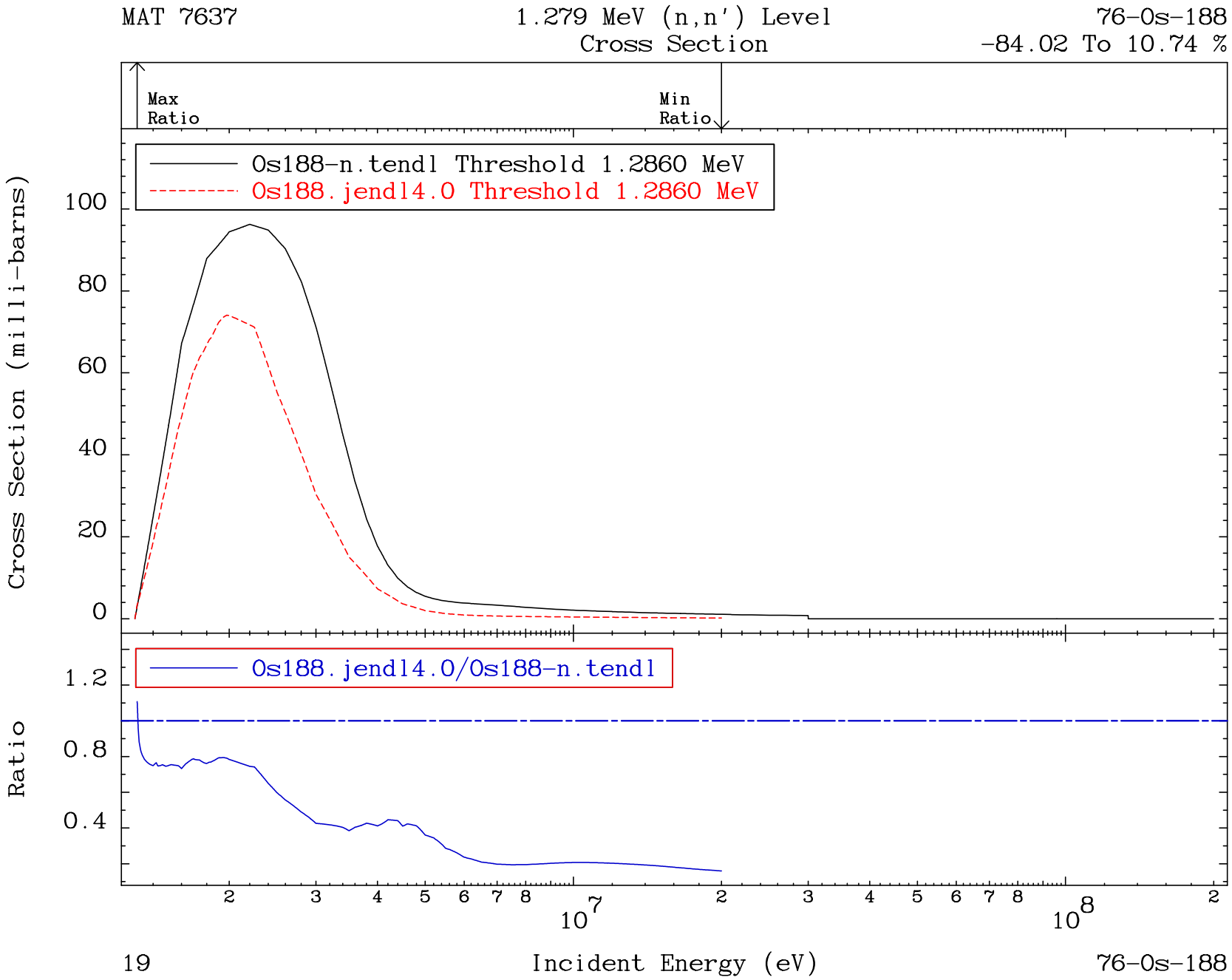

MAT 7637
790.0 keV (n,n') Level
Cross Section
76-0s-188
-58.61 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 794.22 keV
0s188.jendl4.0 Threshold 794.22 keV
Cross Section (milli-barns)
400
300
200
100
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
76-0s-188

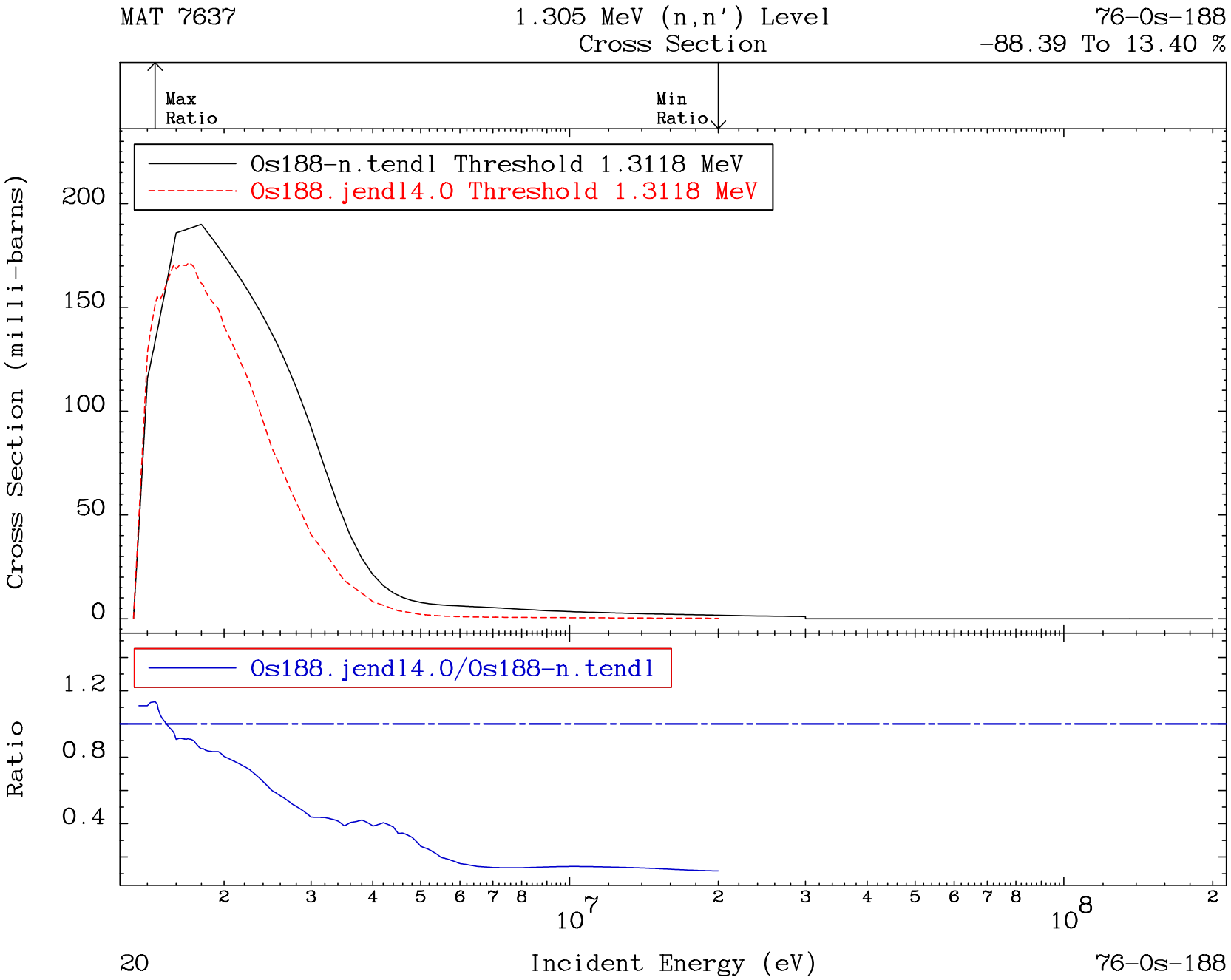

MAT 7637
940.3 keV (n,n') Level
Cross Section
76-0s-188
-53.78 To 28.85 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 945.36 keV
0s188.jendl4.0 Threshold 945.36 keV
Cross Section (milli-barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
15
76-0s-188

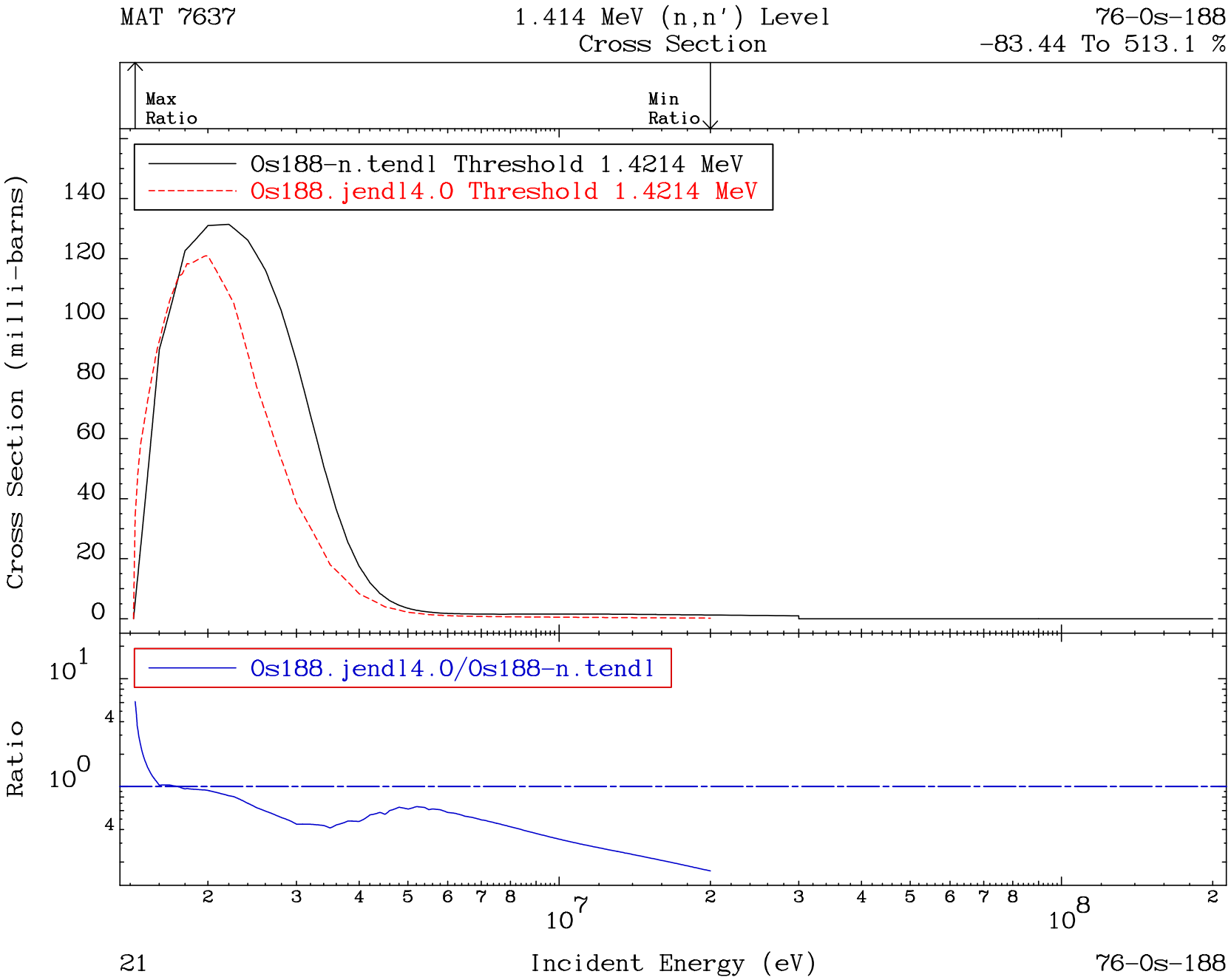

MAT 7637
965.7 keV (n,n') Level
Cross Section
76-0s-188
-91.99 To -19.85%
Max
Ratio
Min
Ratio
0s188-n.tendl Threshold 970.83 keV
0s188.jendl4.0 Threshold 970.83 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
6
4
2
10^-1
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
76-0s-188

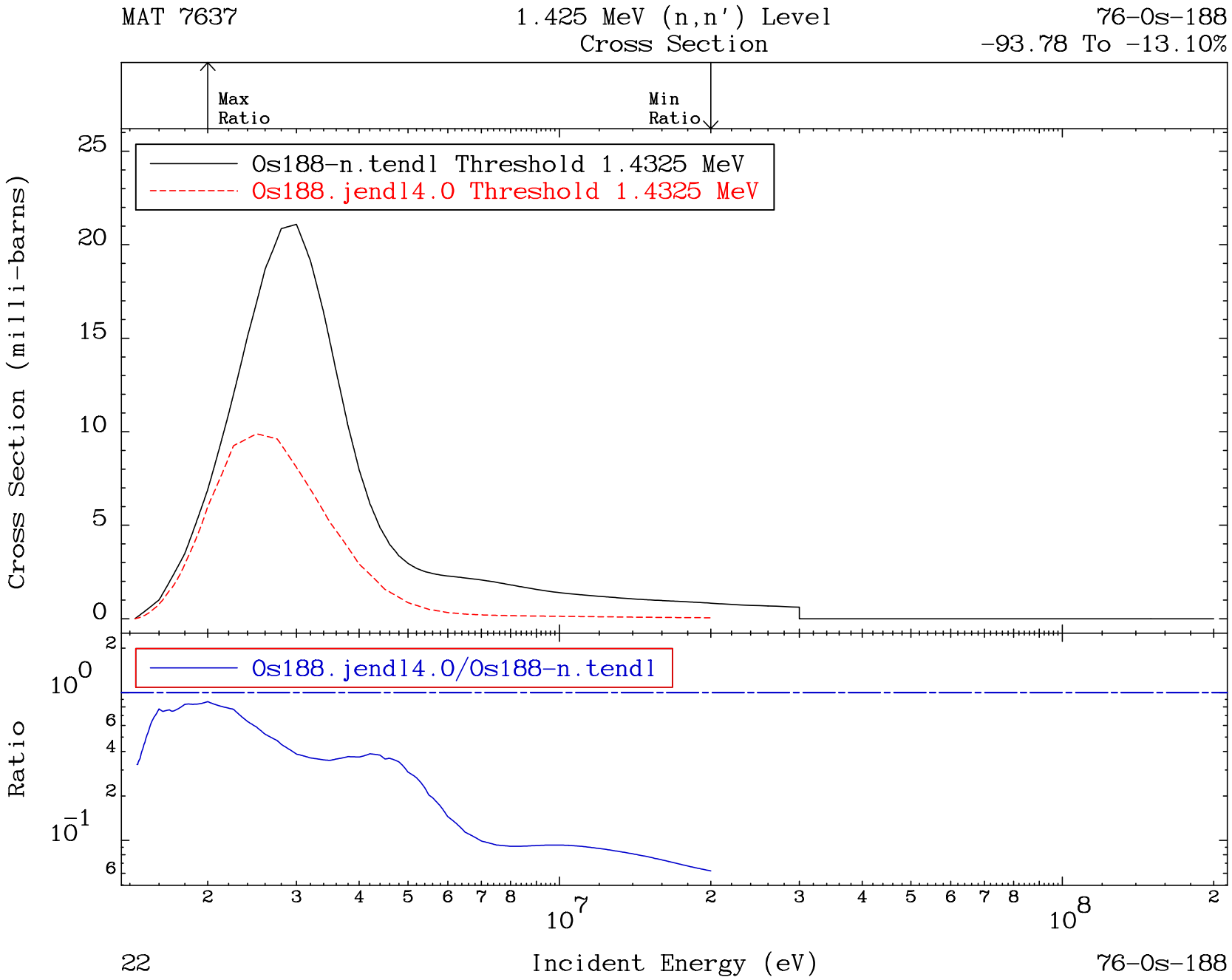

MAT 7637
1.086 MeV (n,n') Level
Cross Section
76-Os-188
-49.72 To 9999. %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.0922 MeV
Os188.jendl4.0 Threshold 1.0922 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Os188.jendl4.0/Os188-n.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
76-Os-188

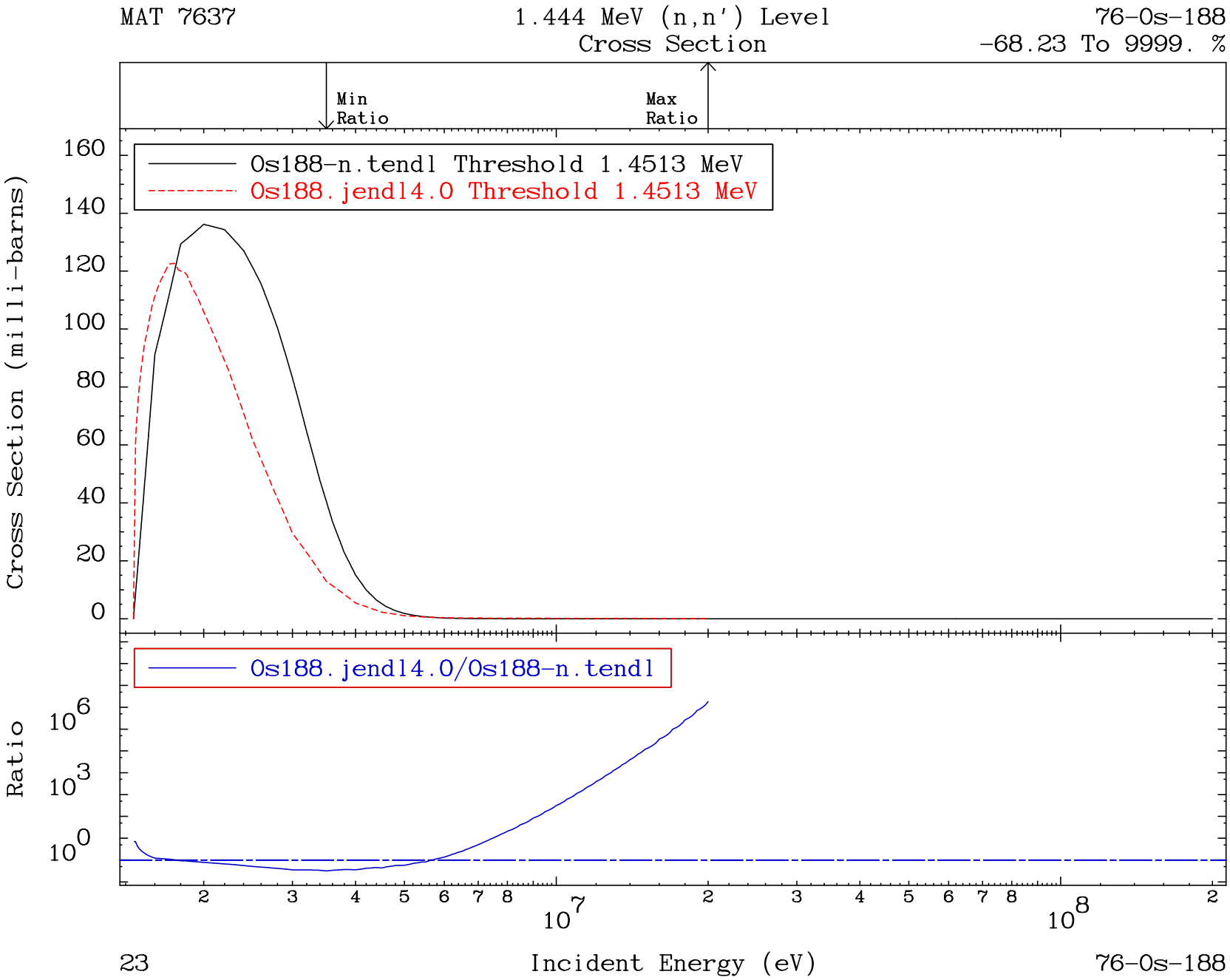

MAT 7637
1.181 MeV (n,n') Level
Cross Section
76-0s-188
-57.59 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.1872 MeV
0s188.jendl4.0 Threshold 1.1872 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
10^8
18
Incident Energy (eV)
76-0s-188

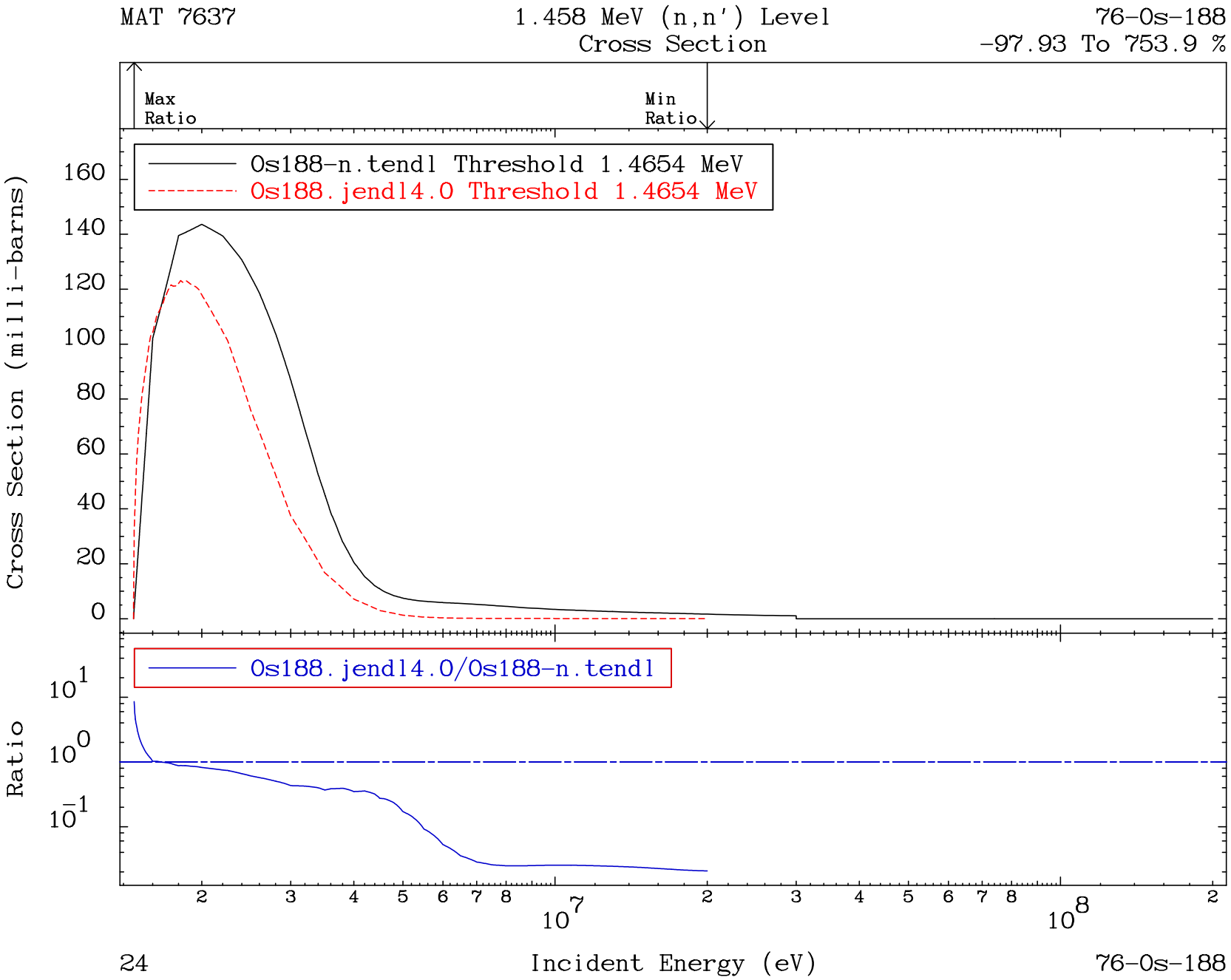

MAT 7637
1.279 MeV (n,n') Level
Cross Section
76-0s-188
-84.02 To 10.74 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.2860 MeV
0s188.jendl4.0 Threshold 1.2860 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
0s188.jendl4.0/0s188-n.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
76-0s-188

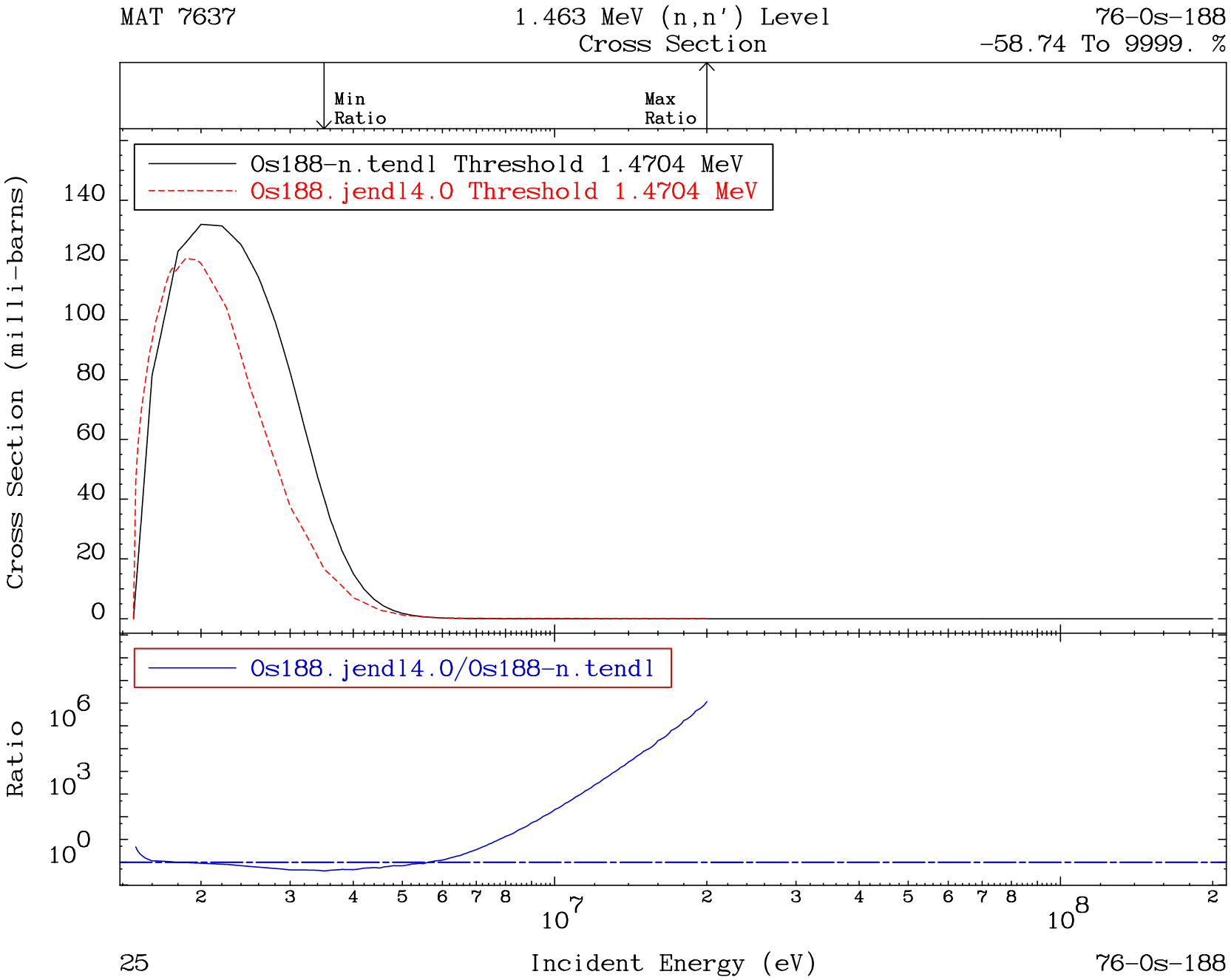

MAT 7637
1.305 MeV (n,n') Level
Cross Section
76-0s-188
-88.39 To 13.40 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.3118 MeV
0s188.jendl4.0 Threshold 1.3118 MeV
Cross Section (milli-barns)
200
150
100
50
0
0s188.jendl4.0/0s188-n.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
76-0s-188

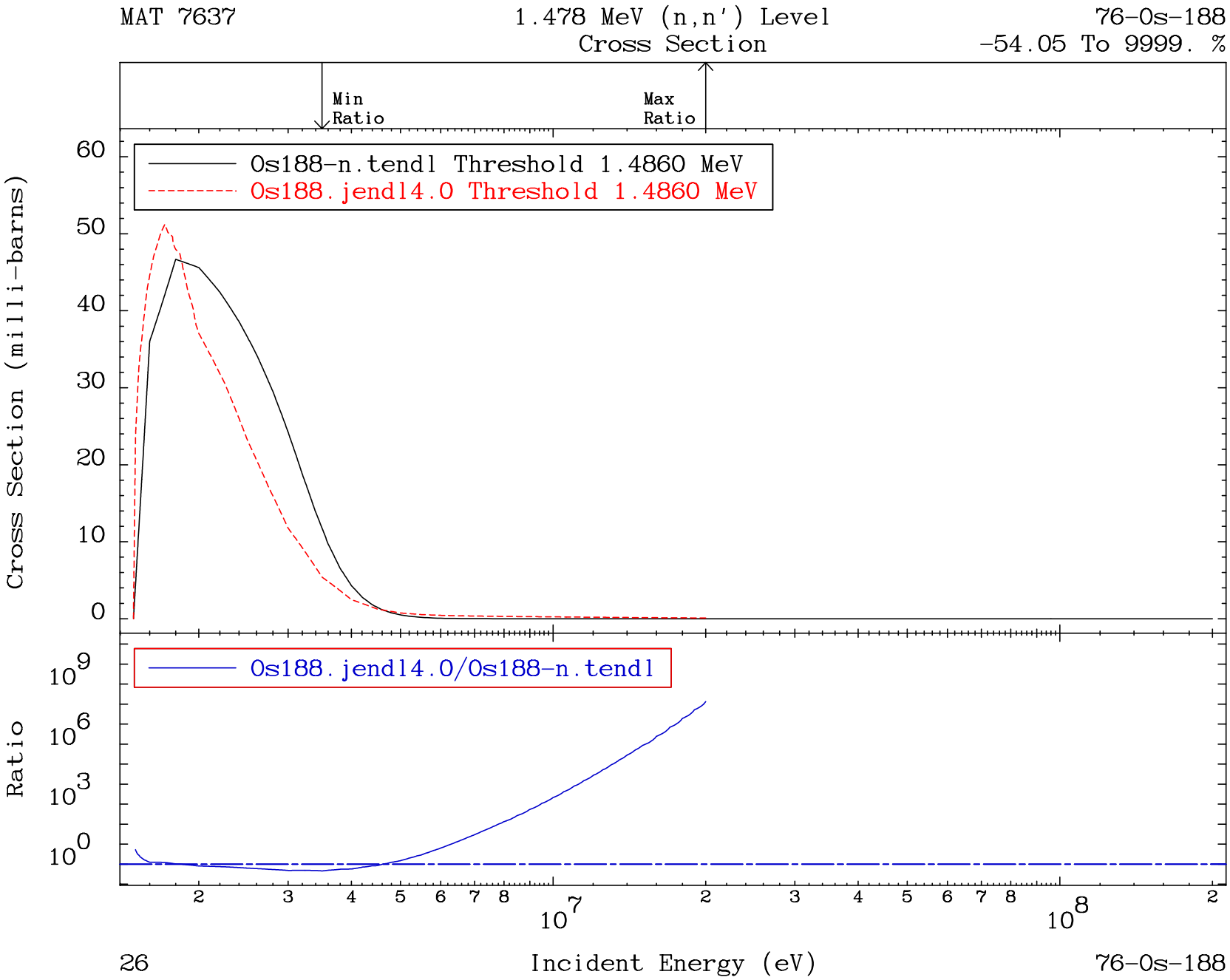

MAT 7637
1.414 MeV (n,n') Level
Cross Section
76-Os-188
-83.44 To 513.1 %
Max
Ratio
Min
Ratio
Os188-n.tendl Threshold 1.4214 MeV
Os188.jendl4.0 Threshold 1.4214 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Os188.jendl4.0/Os188-n.tendl
Ratio
10^1
10^0
4
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
76-Os-188

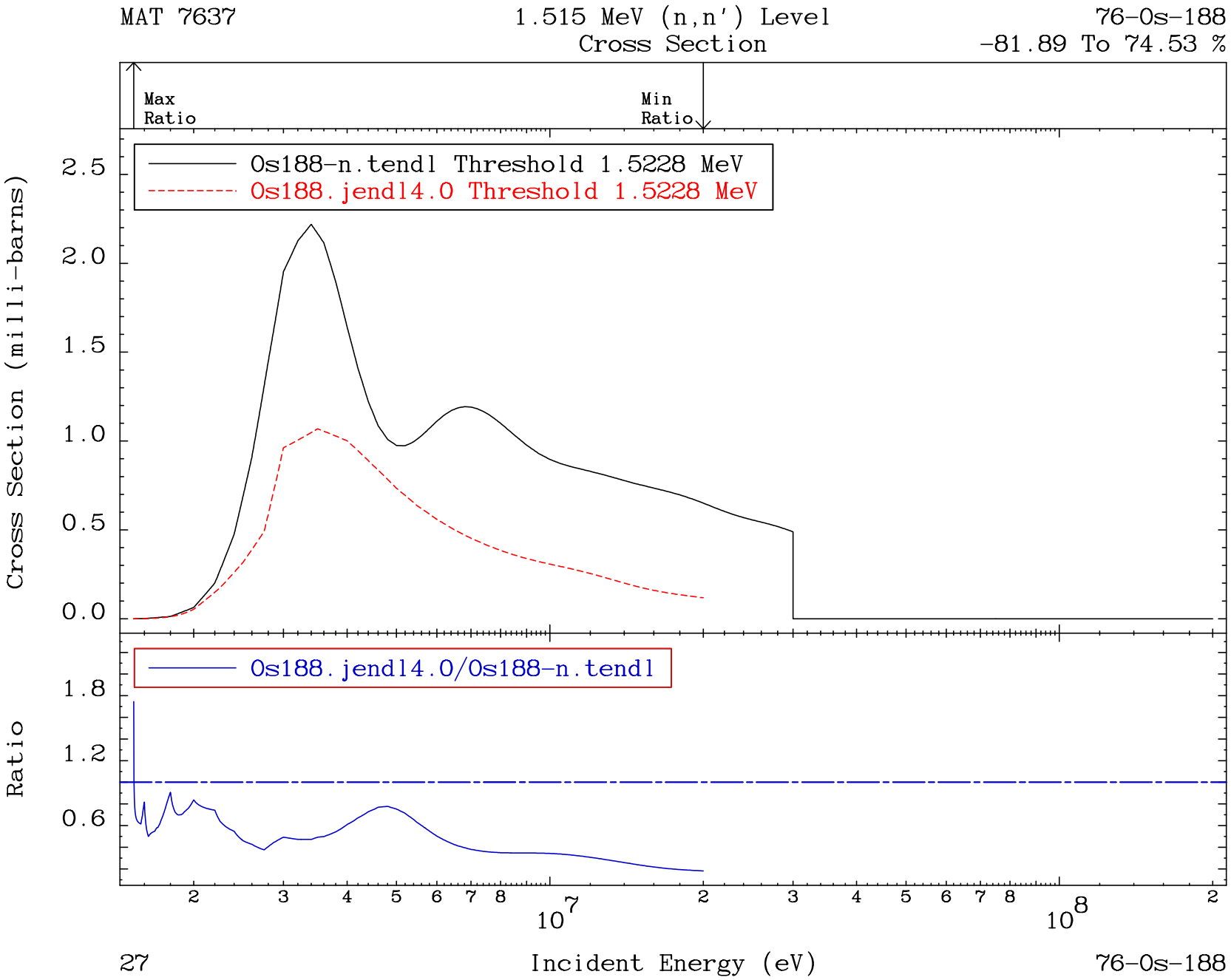

MAT 7637
1.425 MeV (n,n') Level
Cross Section
76-0s-188
-93.78 To -13.10%
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.4325 MeV
0s188.jendl4.0 Threshold 1.4325 MeV
Cross Section (milli-barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
22
76-0s-188

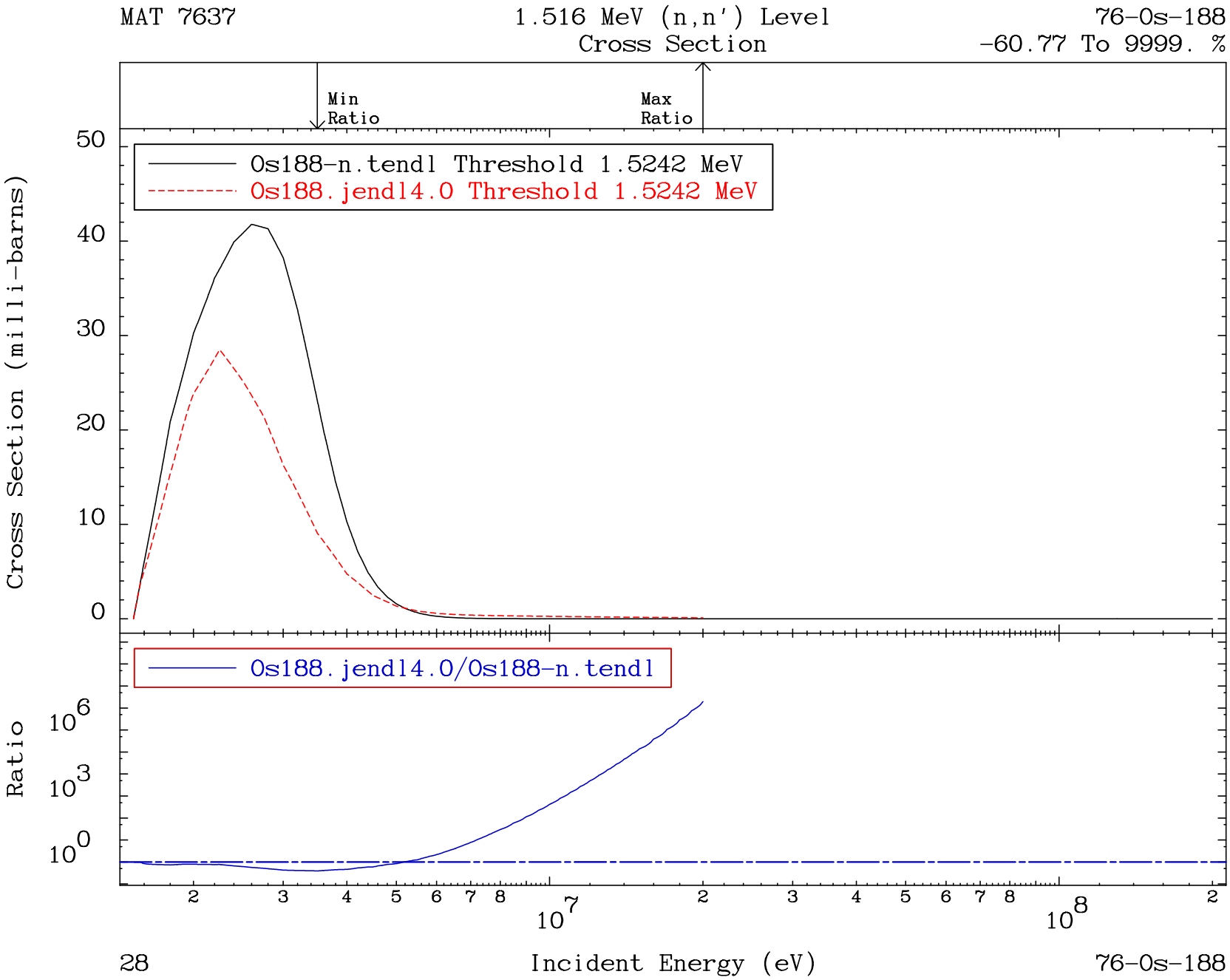

MAT 7637
1.444 MeV (n,n') Level
Cross Section
76-0s-188
-68.23 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.4513 MeV
0s188.jendl4.0 Threshold 1.4513 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
76-0s-188

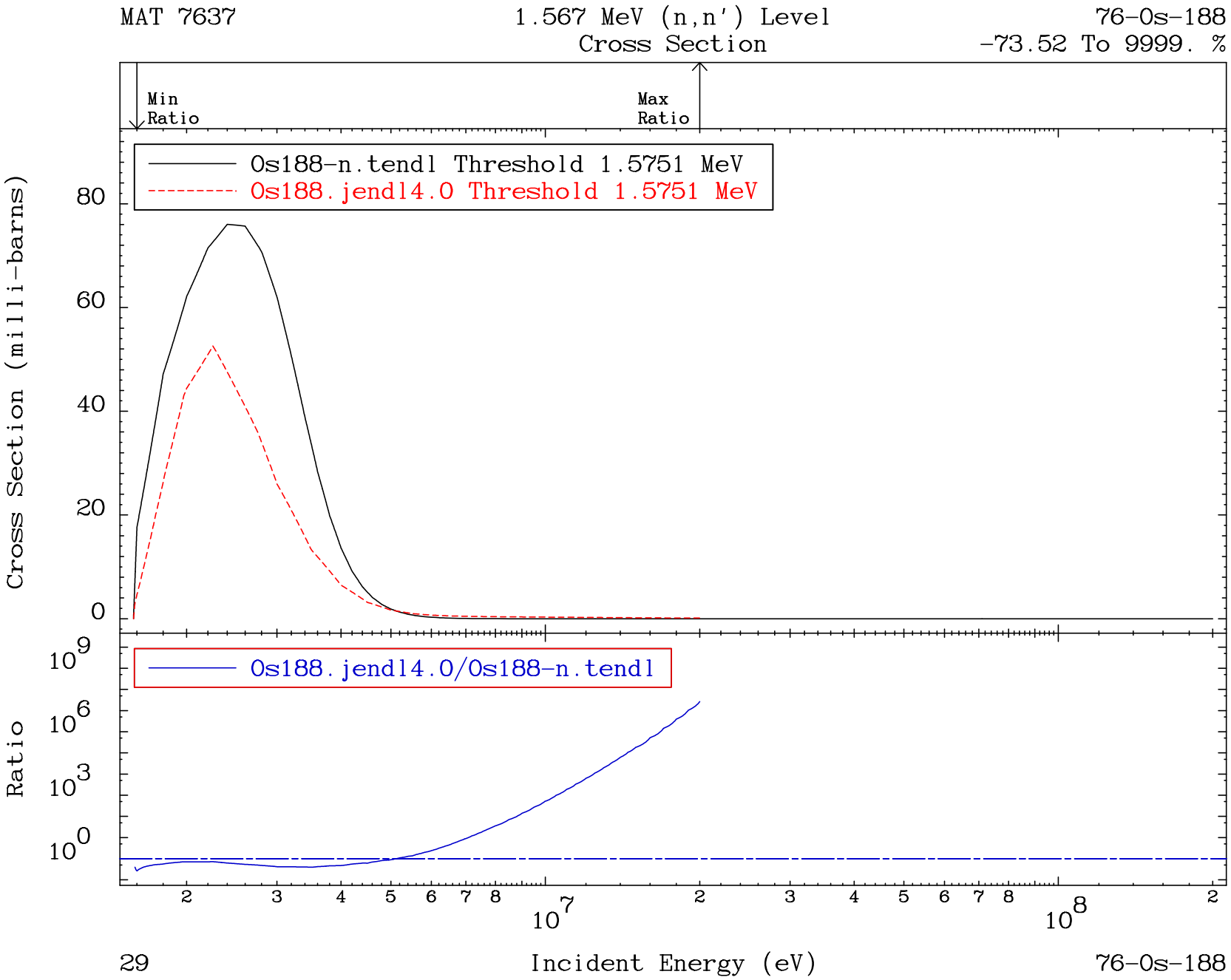

MAT 7637
1.458 MeV (n,n') Level
Cross Section
76-0s-188
-97.93 To 753.9 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.4654 MeV
0s188.jendl4.0 Threshold 1.4654 MeV
Cross Section (milli-barns)
0
20
40
60
80
100
120
140
160
0s188.jendl4.0/0s188-n.tendl
Ratio
10^{1}
10^{0}
10^{-1}
2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
Incident Energy (eV)
24
76-0s-188

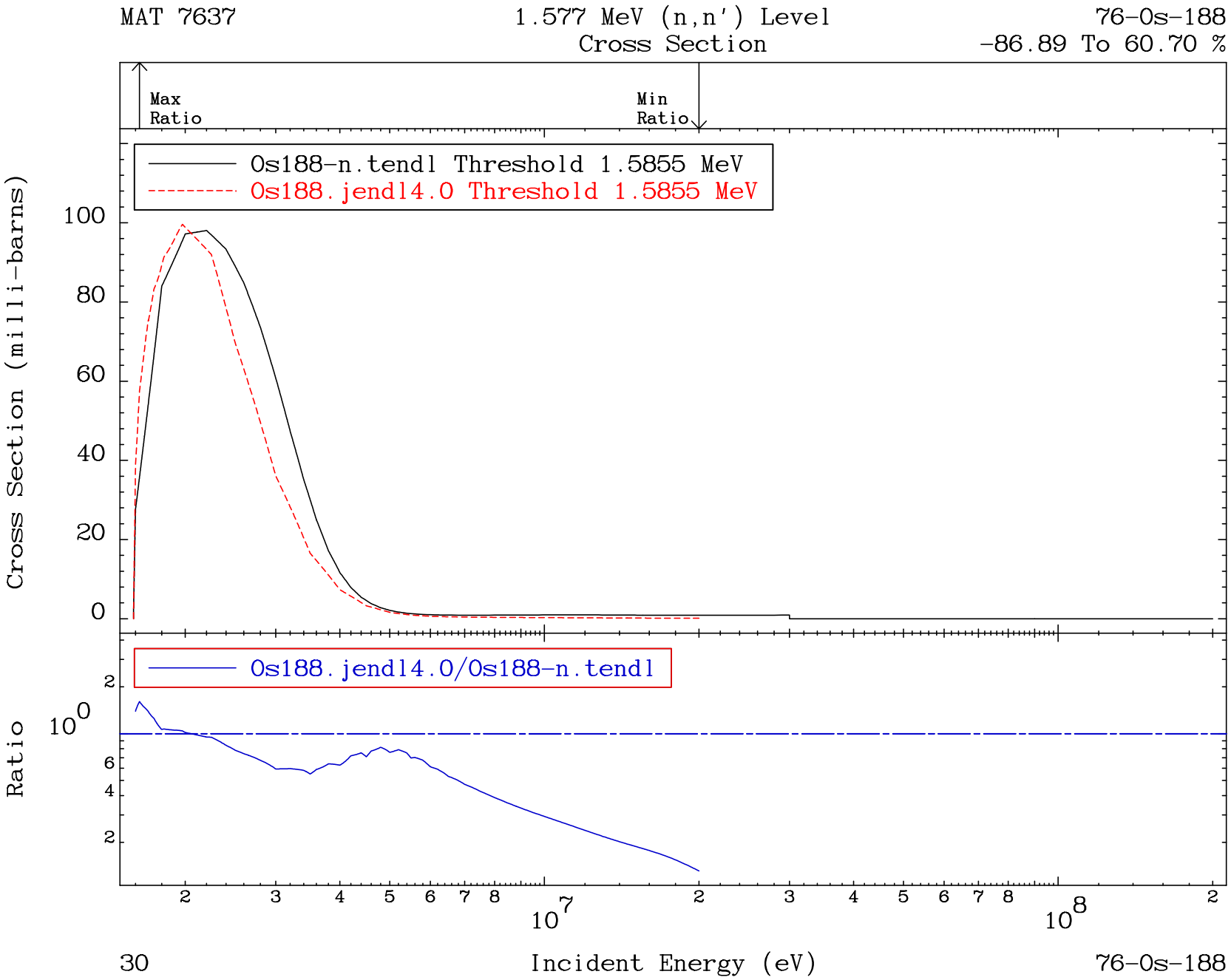

MAT 7637
1.463 MeV (n,n') Level
Cross Section
76-0s-188
-58.74 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.4704 MeV
0s188.jendl4.0 Threshold 1.4704 MeV
Cross Section (milli-barns)
0
20
40
60
80
100
120
140
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^3
10^6
2
3
4
5
6
7
8
10^7
10^8
25
Incident Energy (eV)
76-0s-188

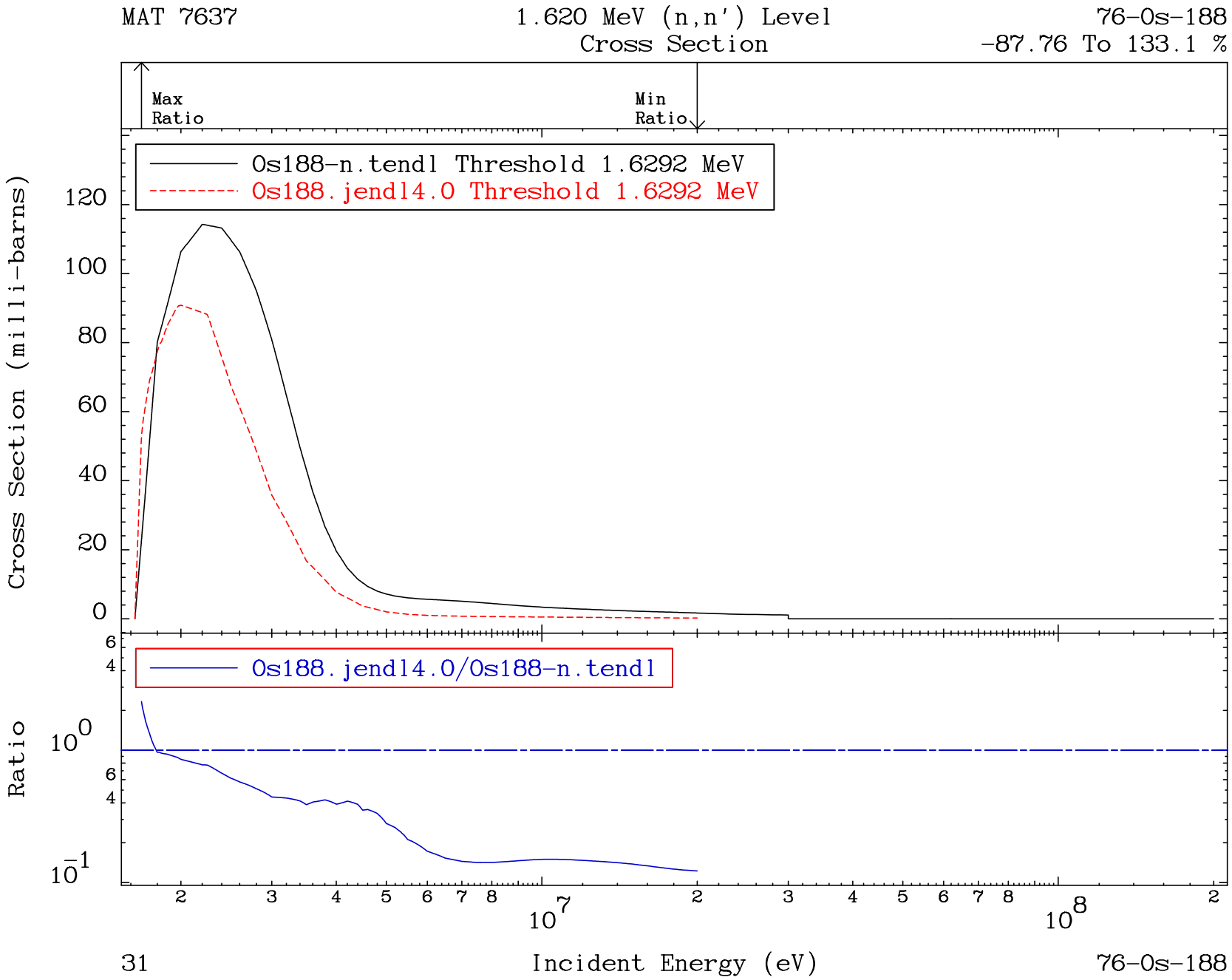

MAT 7637
1.478 MeV (n,n') Level
Cross Section
76-0s-188
-54.05 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.4860 MeV
0s188.jendl4.0 Threshold 1.4860 MeV
Cross Section (milli-barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
26
76-0s-188

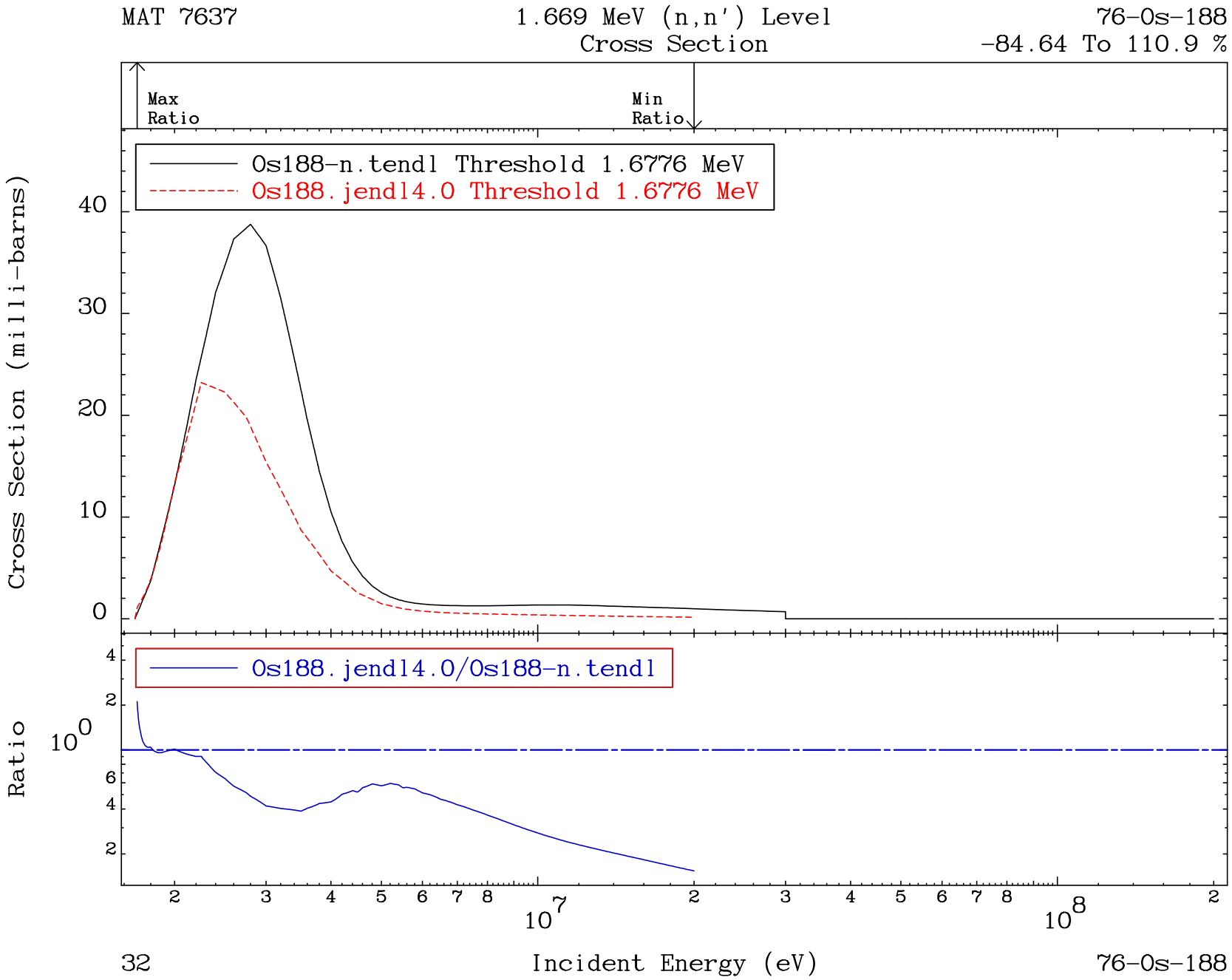

MAT 7637
1.515 MeV (n,n') Level
Cross Section
76-Os-188
-81.89 To 74.53 %
Max
Ratio
Min
Ratio
Os188-n.tendl Threshold 1.5228 MeV
Os188.jendl4.0 Threshold 1.5228 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jendl4.0/Os188-n.tendl
Ratio
1.8
1.2
0.6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
76-Os-188

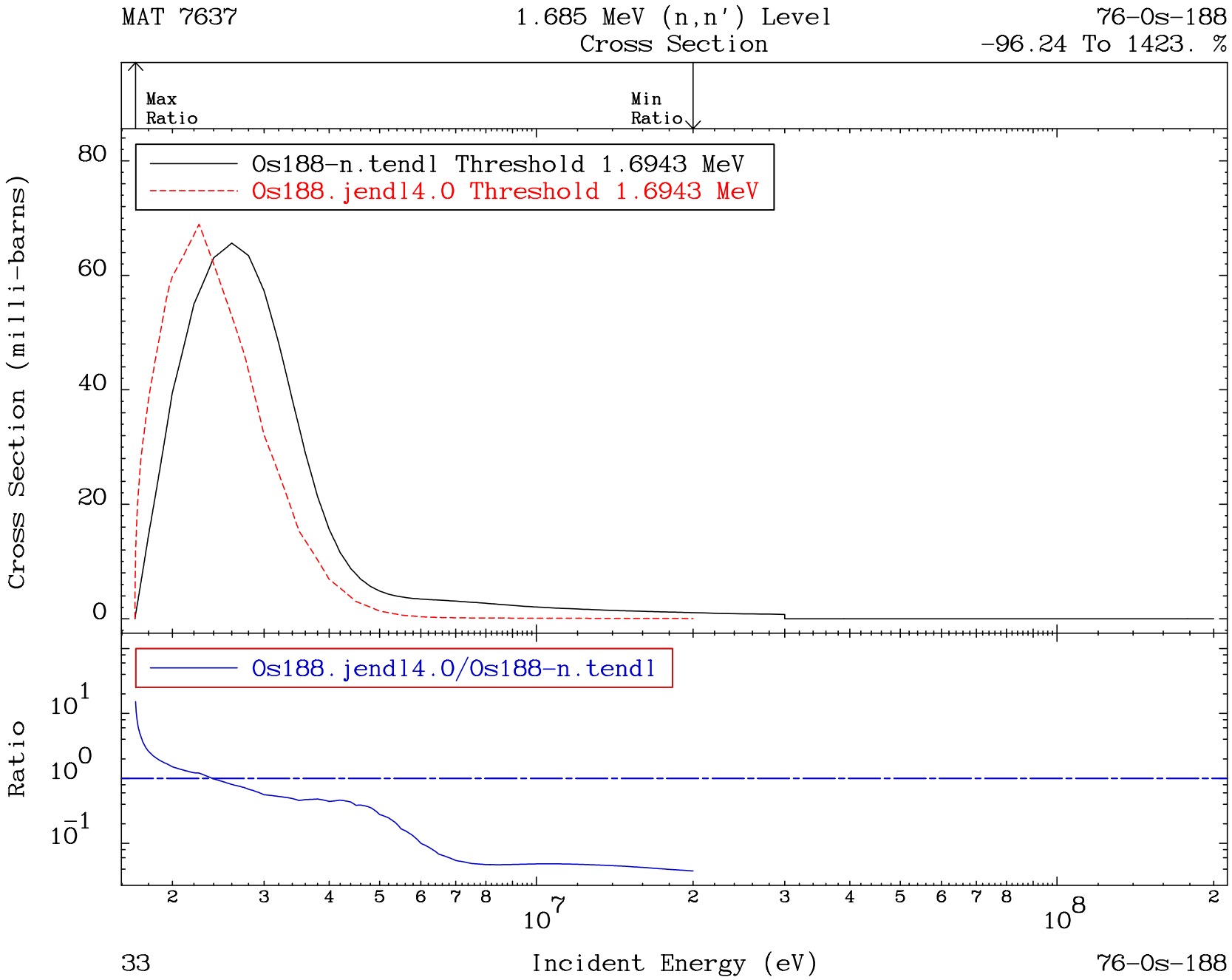

MAT 7637
1.516 MeV (n,n') Level
Cross Section
76-0s-188
-60.77 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.5242 MeV
0s188.jendl4.0 Threshold 1.5242 MeV
Cross Section (milli-barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
28
76-0s-188

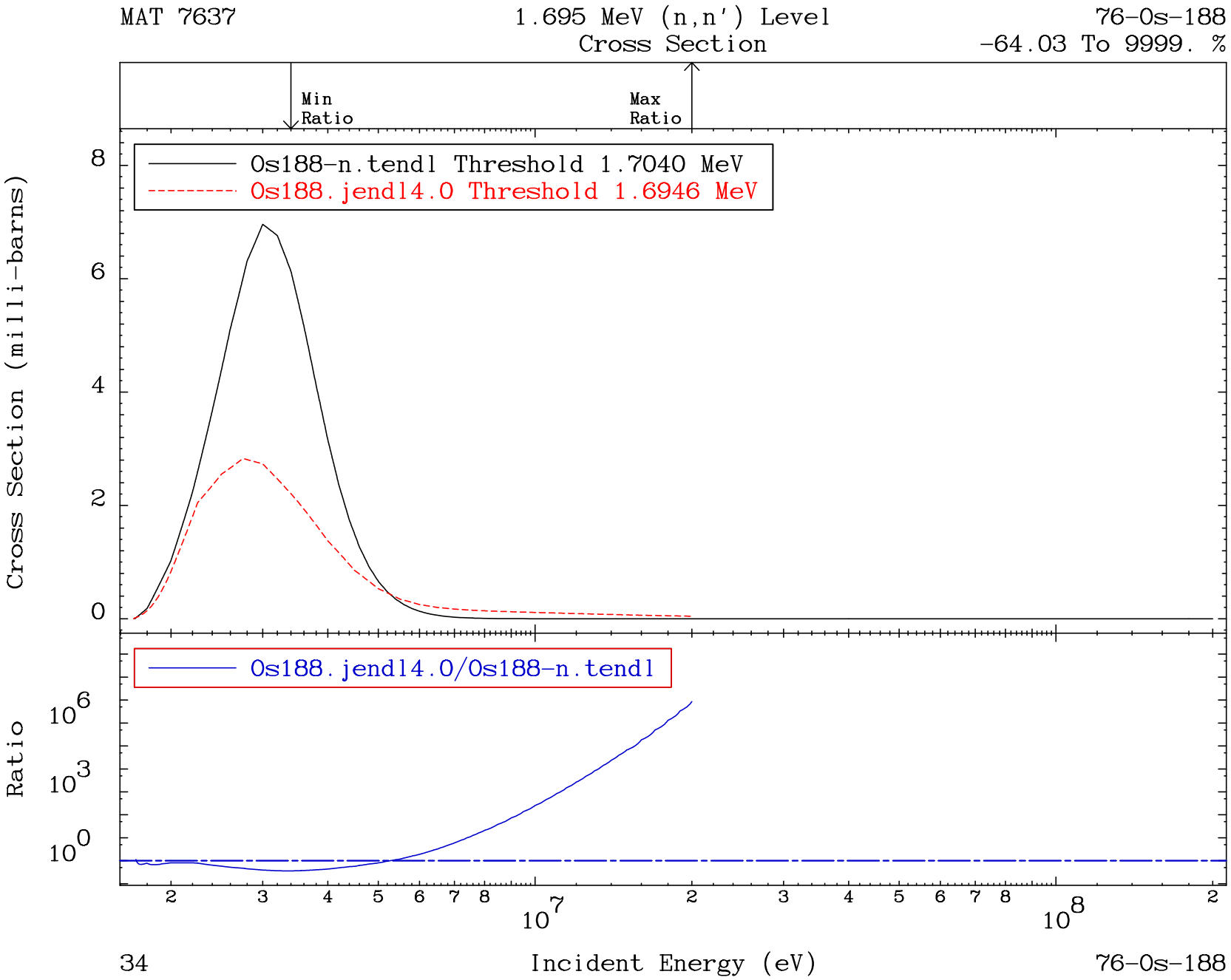

MAT 7637
1.567 MeV (n,n') Level
Cross Section
76-Os-188
-73.52 To 9999. %
Min Ratio
Max Ratio
Os188-n.tendl Threshold 1.5751 MeV
Os188.jendl4.0 Threshold 1.5751 MeV
Cross Section (milli-barns)
80
60
40
20
0
Os188.jendl4.0/Os188-n.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
76-Os-188

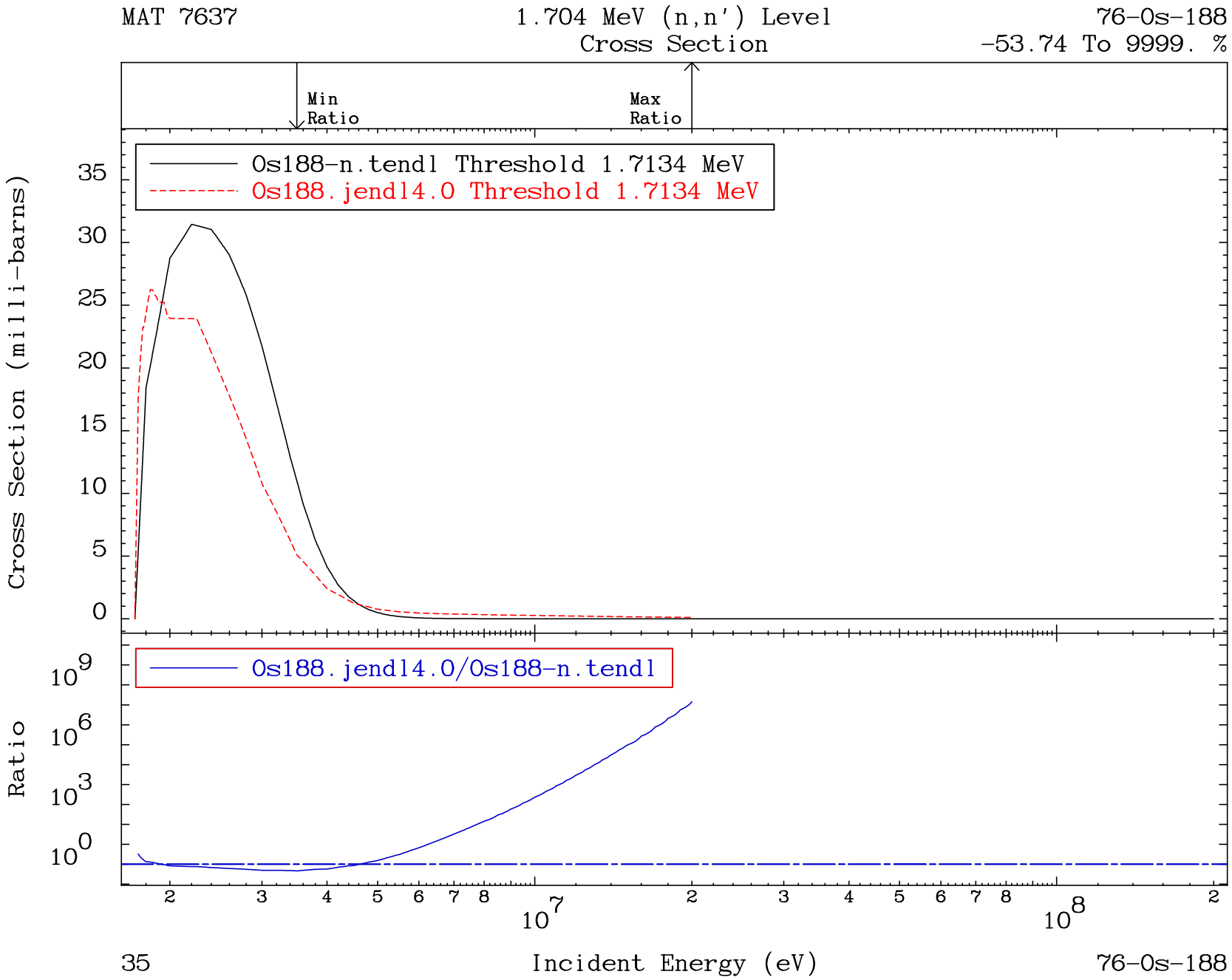

MAT 7637
1.577 MeV (n,n') Level
Cross Section
76-0s-188
-86.89 To 60.70 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.5855 MeV
0s188.jendl4.0 Threshold 1.5855 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
2
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
76-0s-188

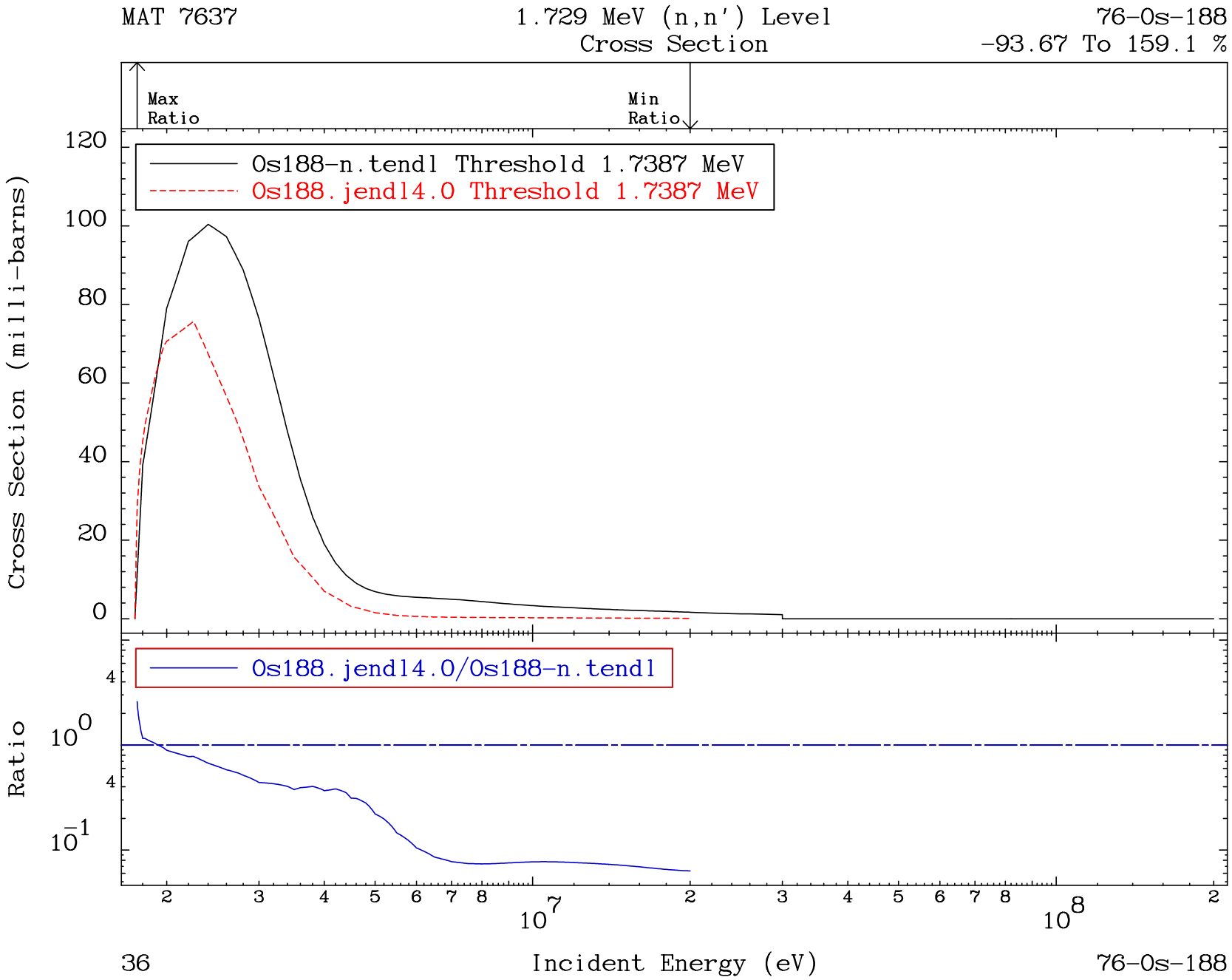

MAT 7637
1.620 MeV (n,n') Level
Cross Section
76-0s-188
-87.76 To 133.1 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.6292 MeV
0s188.jendl4.0 Threshold 1.6292 MeV
Cross Section (milli-barns)
0
20
40
60
80
100
120
0s188.jendl4.0/0s188-n.tendl
Ratio
10^{0}
10^{-1}
10^{7}
10^{8}
31
Incident Energy (eV)
76-0s-188

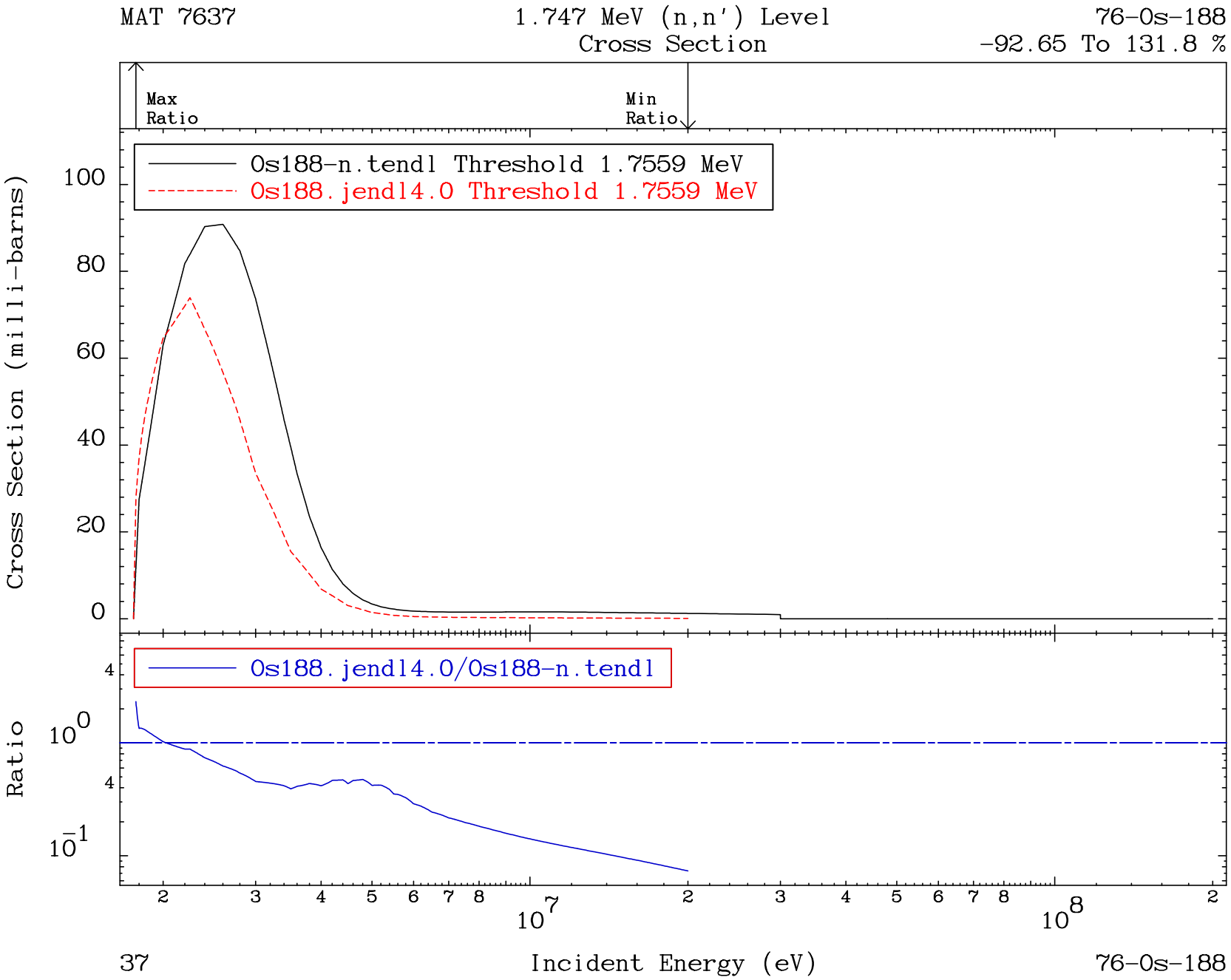

MAT 7637
1.669 MeV (n,n') Level
Cross Section
76-0s-188
-84.64 To 110.9 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.6776 MeV
0s188.jendl4.0 Threshold 1.6776 MeV
Cross Section (milli-barns)
0
10
20
30
40
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
Incident Energy (eV)
10^7
10^8
32
76-0s-188

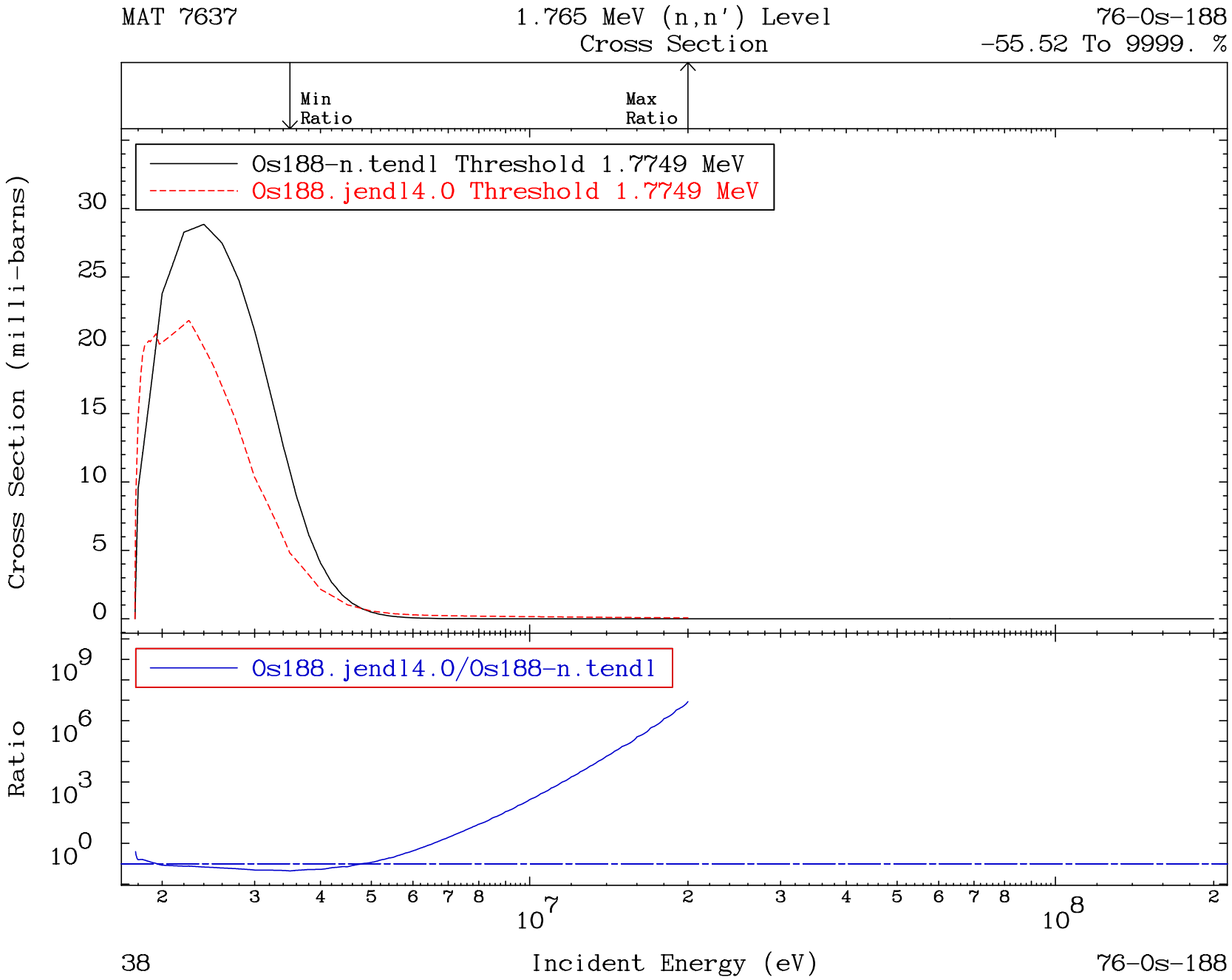

MAT 7637
1.685 MeV (n,n') Level
Cross Section
76-Os-188
-96.24 To 1423. %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 1.6943 MeV
Os188.jendl4.0 Threshold 1.6943 MeV
Cross Section (milli-barns)
80
60
40
20
0
Os188.jendl4.0/Os188-n.tendl
Ratio
10^1
10^0
10^-1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
76-Os-188

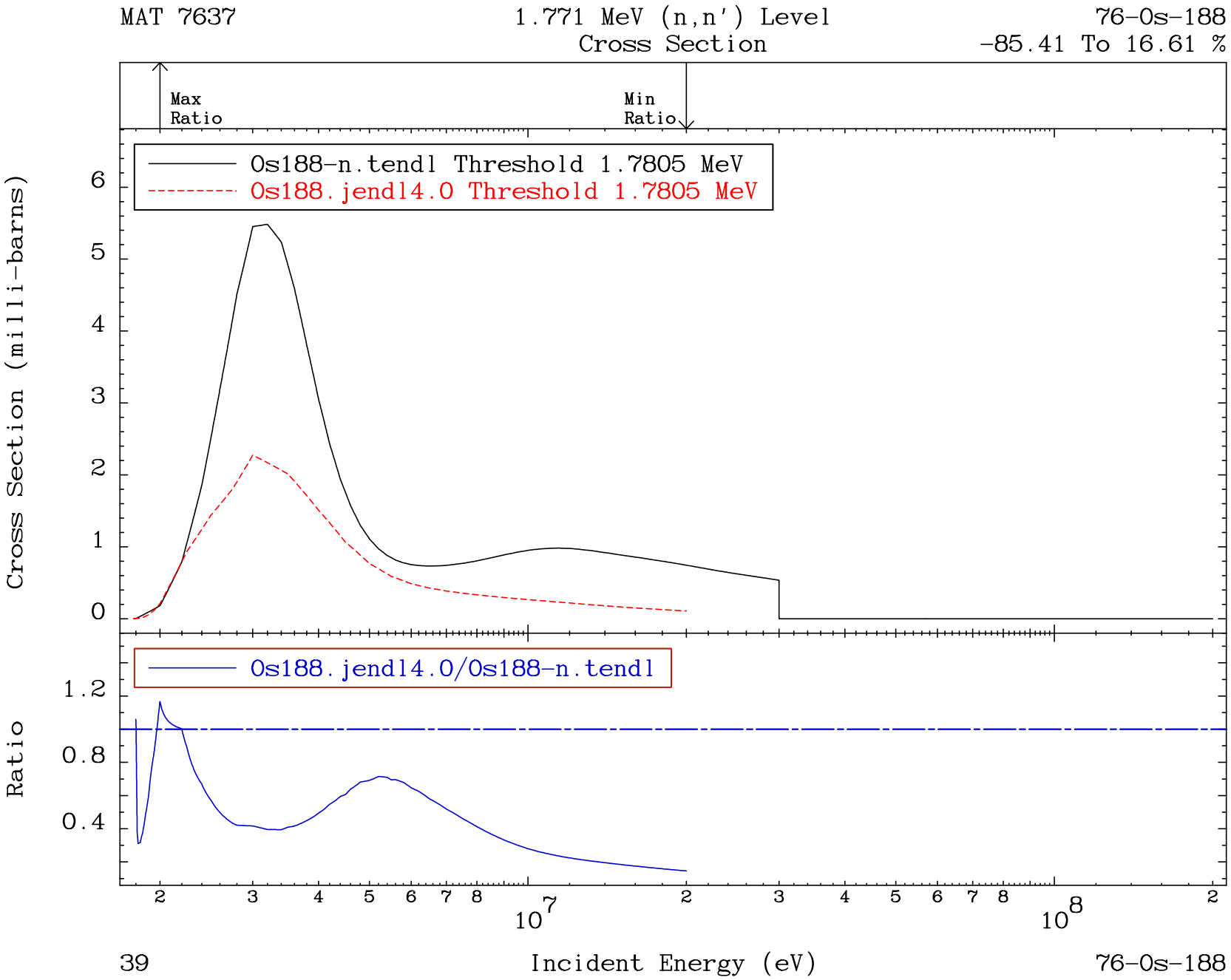

MAT 7637
1.695 MeV (n,n') Level
Cross Section
76-0s-188
-64.03 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.7040 MeV
0s188.jendl4.0 Threshold 1.6946 MeV
Cross Section (milli-barns)
0
2
4
6
8
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^3
10^6
2
3
4
5
6
7
8
10^7
10^8
34
Incident Energy (eV)
76-0s-188

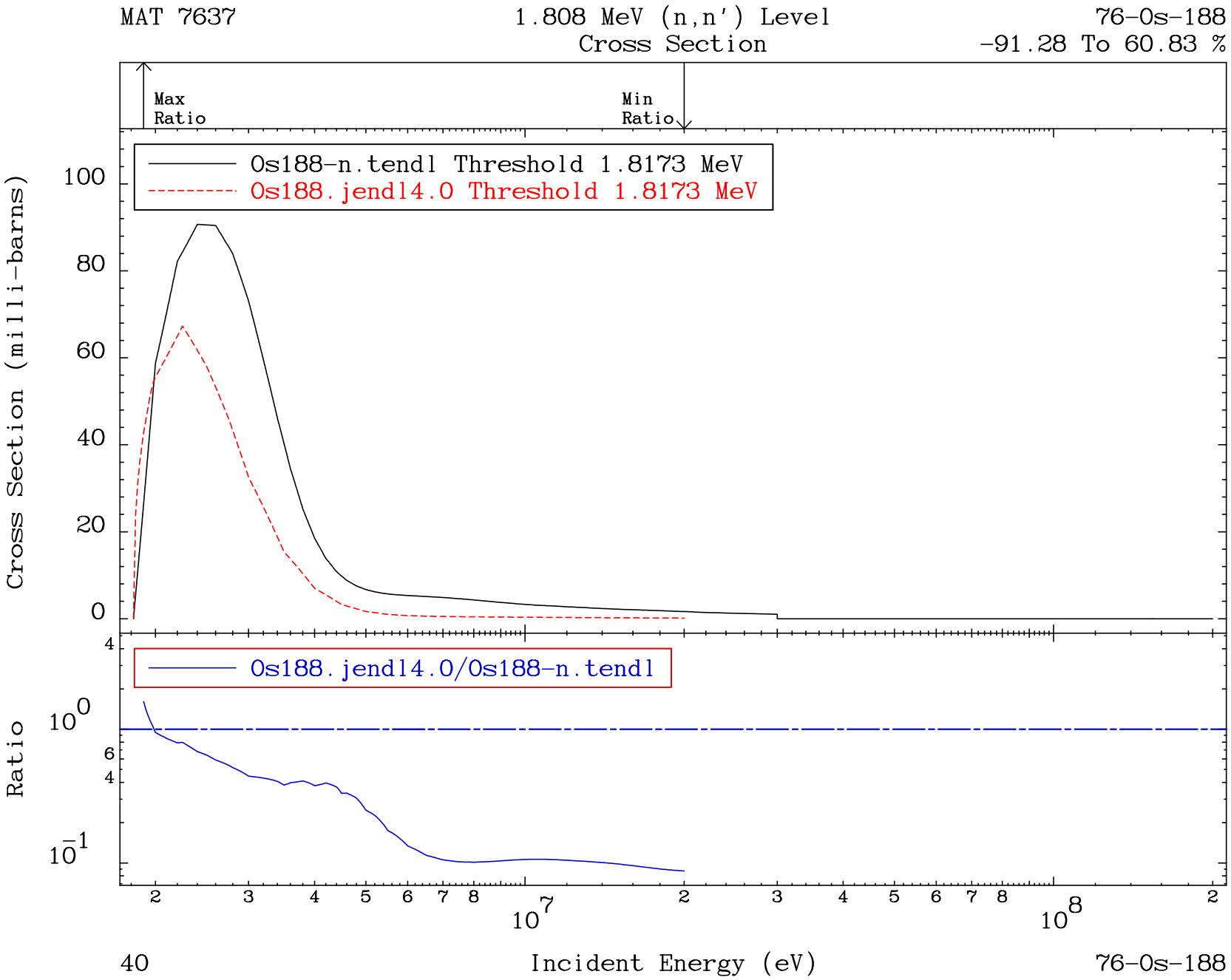

MAT 7637
1.704 MeV (n,n') Level
Cross Section
76-0s-188
-53.74 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.7134 MeV
0s188.jendl4.0 Threshold 1.7134 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
30
35
0s188.jendl4.0/0s188-n.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
10^8
35
Incident Energy (eV)
76-0s-188

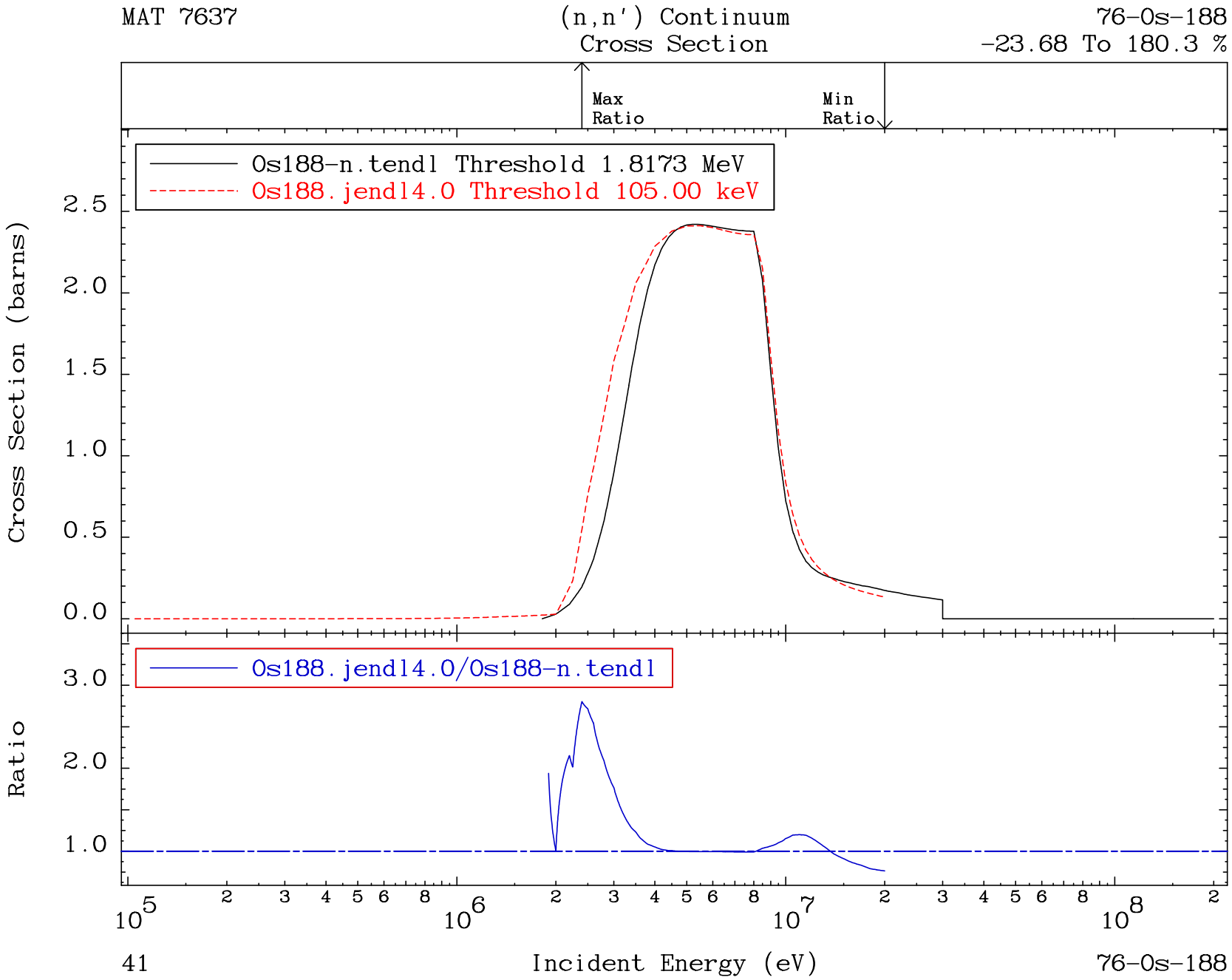

MAT 7637
1.729 MeV (n,n') Level
Cross Section
76-0s-188
-93.67 To 159.1 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.7387 MeV
0s188.jendl4.0 Threshold 1.7387 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
0s188.jendl4.0/0s188-n.tendl
Ratio
4
10^0
4
10^{-1}
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
76-0s-188

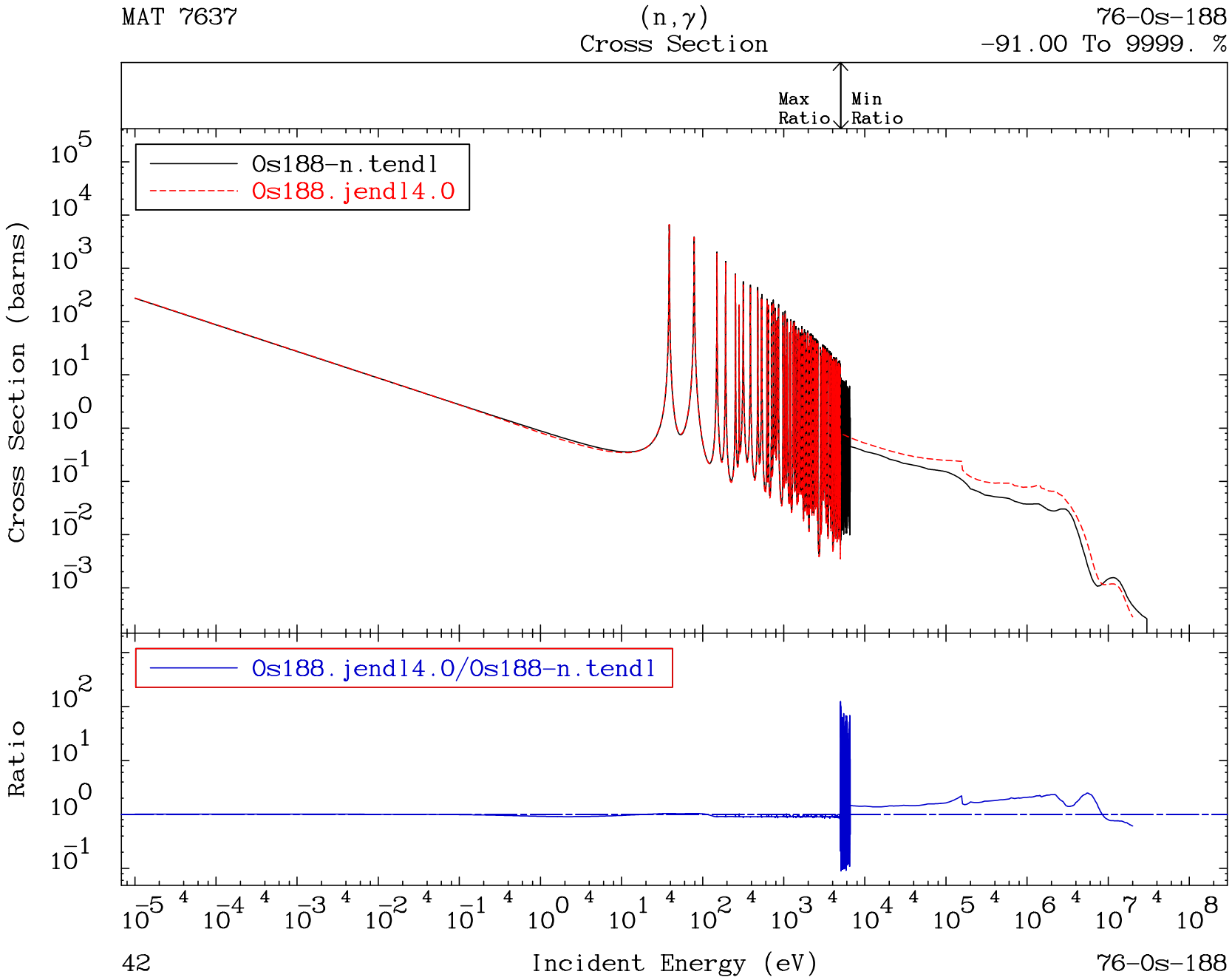

MAT 7637
1.747 MeV (n,n') Level
Cross Section
76-Os-188
-92.65 To 131.8 %
Max Ratio
Min Ratio
Os188-n.tendl Threshold 1.7559 MeV
Os188.jendl4.0 Threshold 1.7559 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Os188.jendl4.0/Os188-n.tendl
Ratio
4
10^0
4
10^{-1}
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
76-Os-188

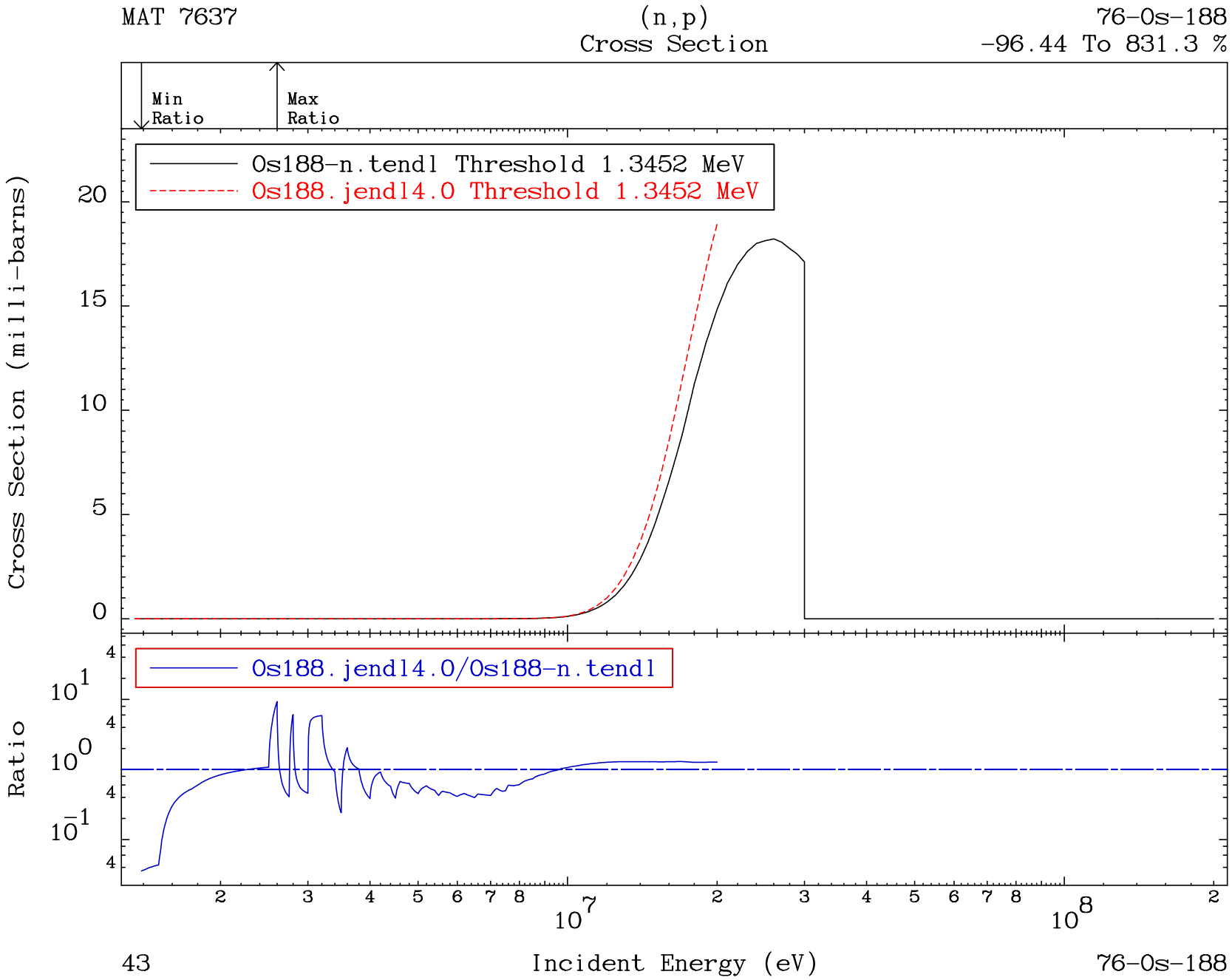

MAT 7637
1.765 MeV (n,n') Level
Cross Section
76-0s-188
-55.52 To 9999. %
Min
Ratio
Max
Ratio
0s188-n.tendl Threshold 1.7749 MeV
0s188.jendl4.0 Threshold 1.7749 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
30
0s188.jendl4.0/0s188-n.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
10^8
38
Incident Energy (eV)
76-0s-188

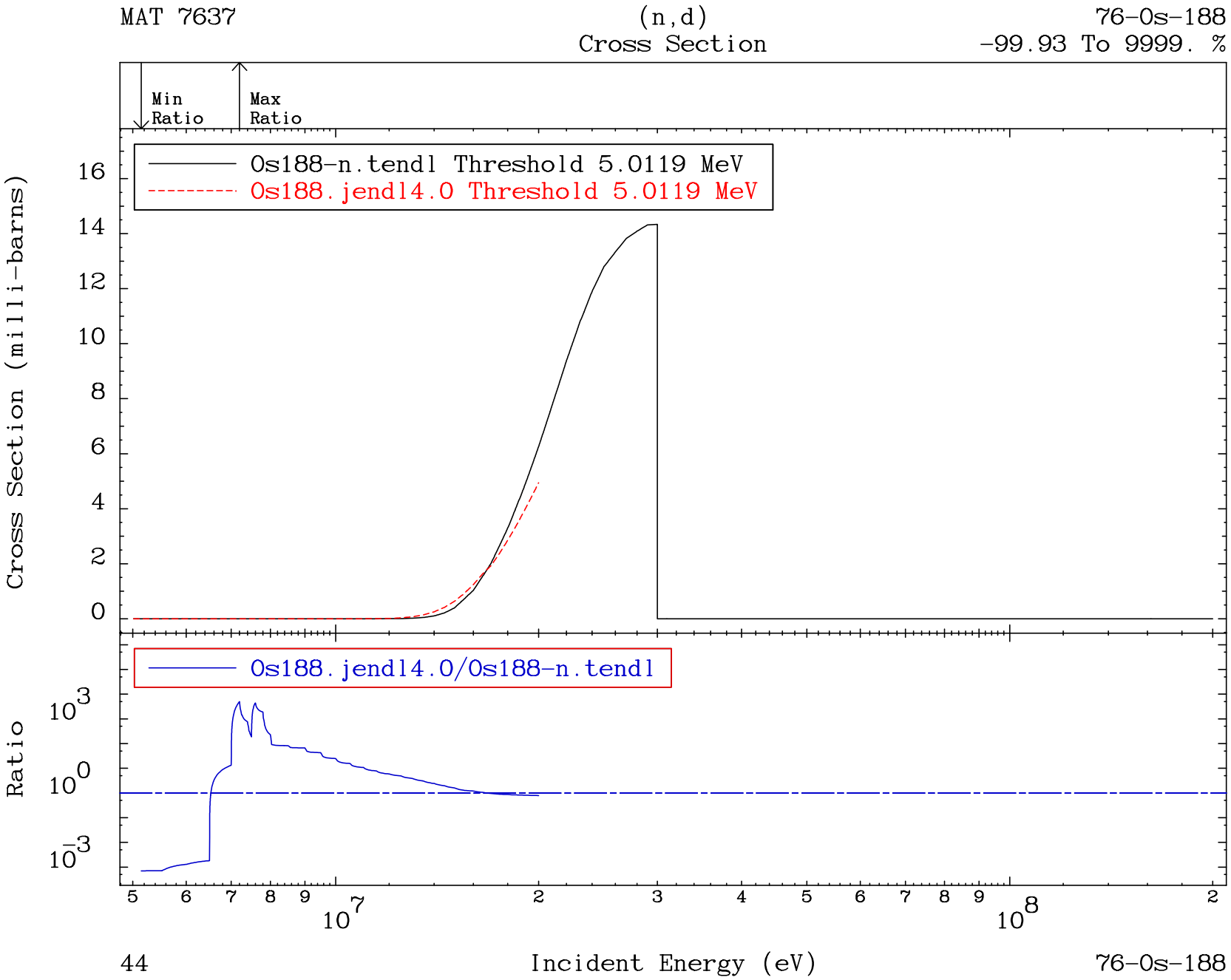

MAT 7637
1.771 MeV (n,n') Level
Cross Section
76-0s-188
-85.41 To 16.61 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.7805 MeV
0s188.jendl4.0 Threshold 1.7805 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
0s188.jendl4.0/0s188-n.tendl
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
39
Incident Energy (eV)
76-0s-188

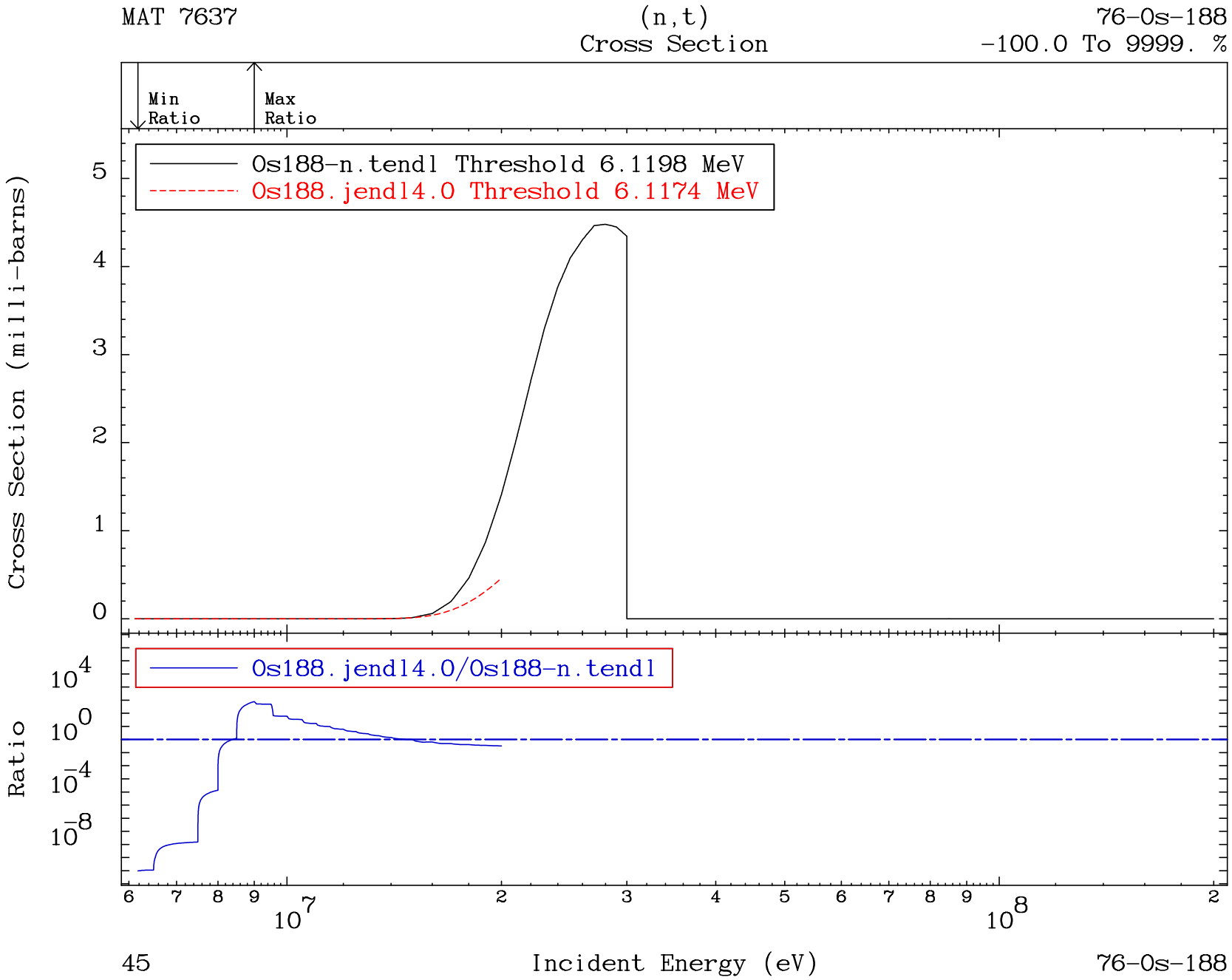

MAT 7637
1.808 MeV (n,n') Level
Cross Section
76-0s-188
-91.28 To 60.83 %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.8173 MeV
0s188.jendl4.0 Threshold 1.8173 MeV
Cross Section (milli-barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
40
76-0s-188

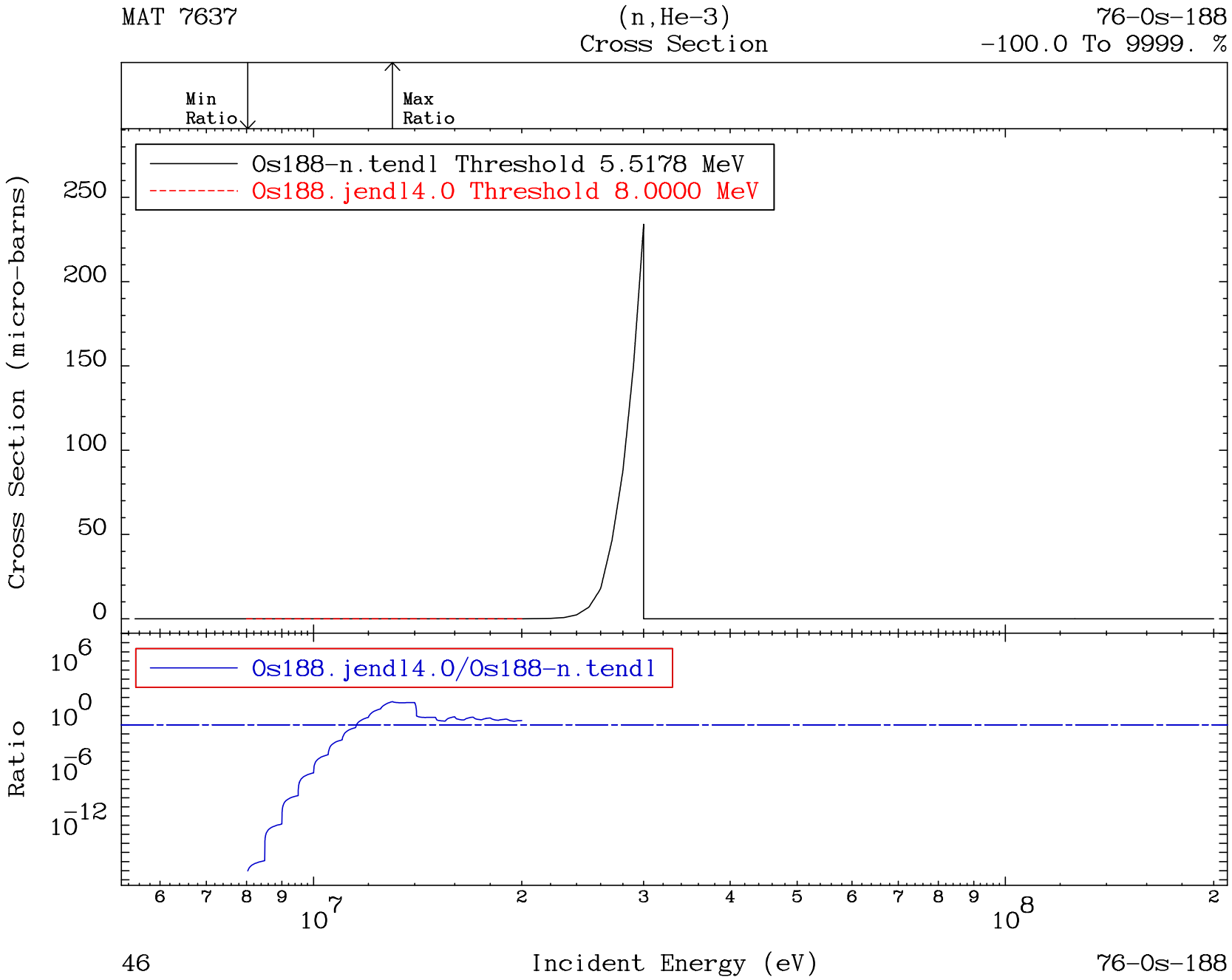

MAT 7637
(n,n') Continuum
Cross Section
76-Os-188
-23.68 To 180.3 %
Max
Ratio
Min
Ratio
Os188-n.tendl Threshold 1.8173 MeV
Os188.jendl4.0 Threshold 105.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Os188.jendl4.0/Os188-n.tendl
Ratio
3.0
2.0
1.0
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
41
Incident Energy (eV)
76-Os-188

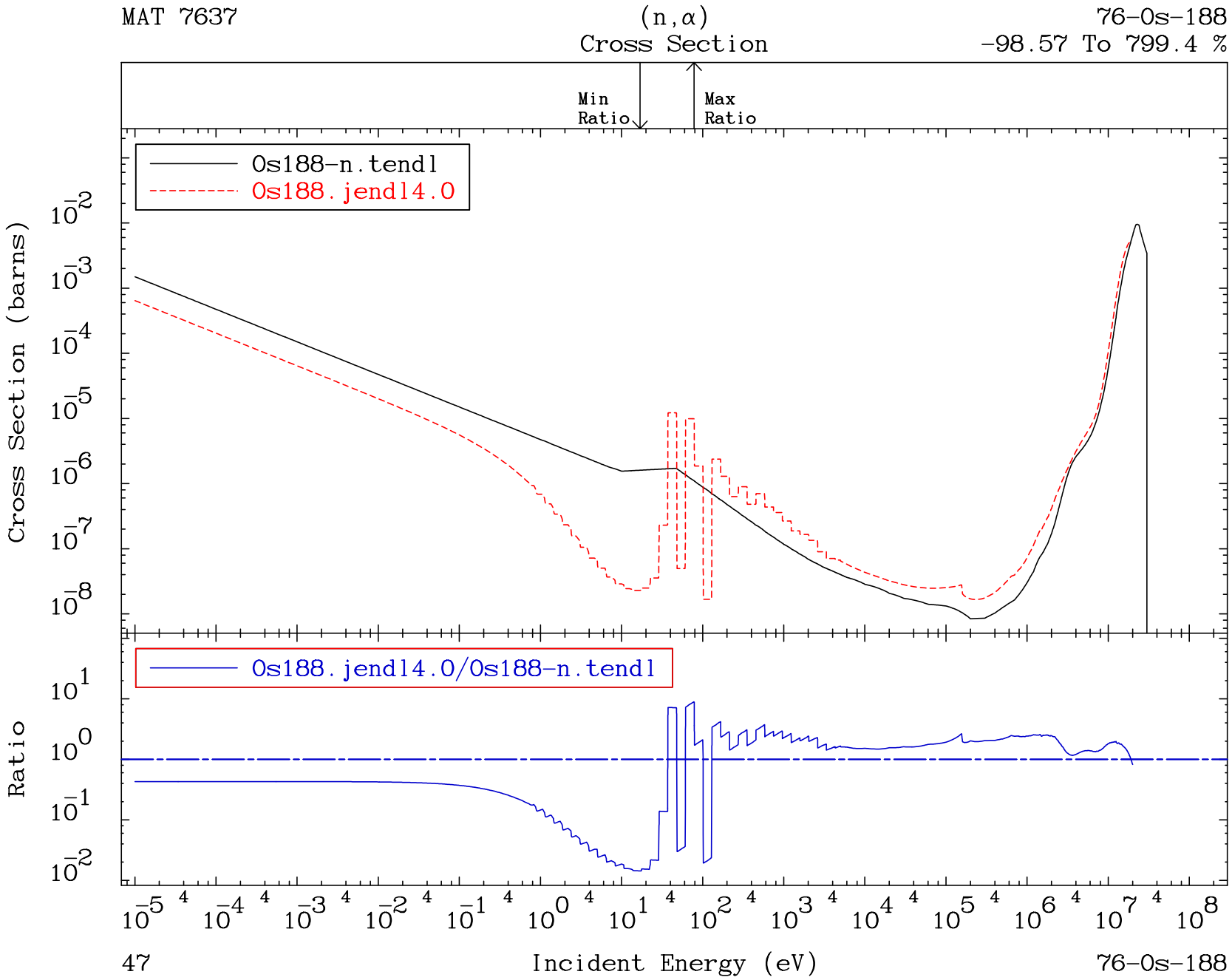

MAT 7637
(n,γ)
Cross Section
76-0s-188
-91.00 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
42
76-0s-188

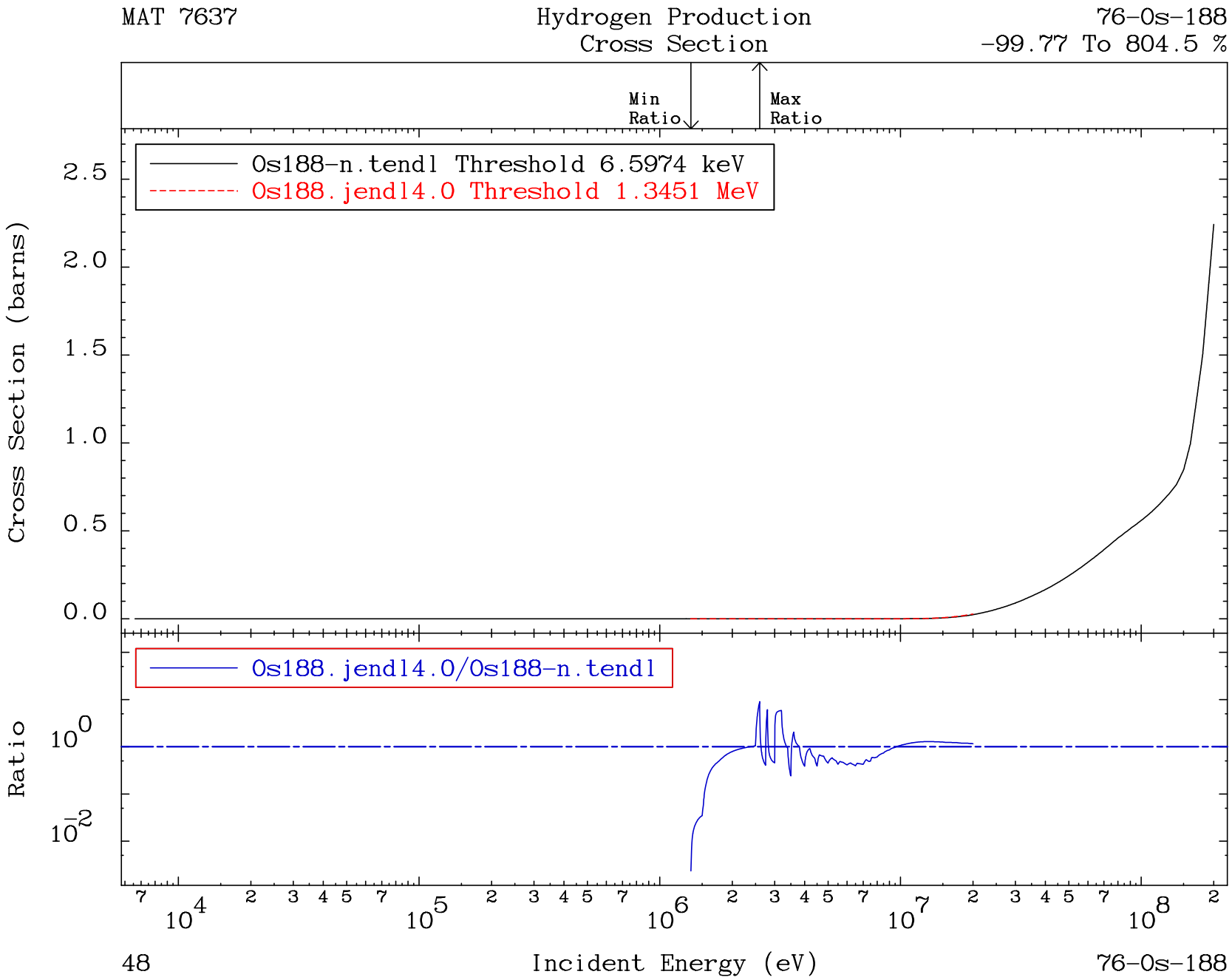

MAT 7637
(n,p)
Cross Section
76-0s-188
-96.44 To 831.3 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 1.3452 MeV
0s188.jendl4.0 Threshold 1.3452 MeV
Cross Section (milli-barns)
0
5
10
15
20
0s188.jendl4.0/0s188-n.tendl
Ratio
10^{1}
10^{0}
10^{-1}
10^{7}
10^{8}
Incident Energy (eV)
43
76-0s-188

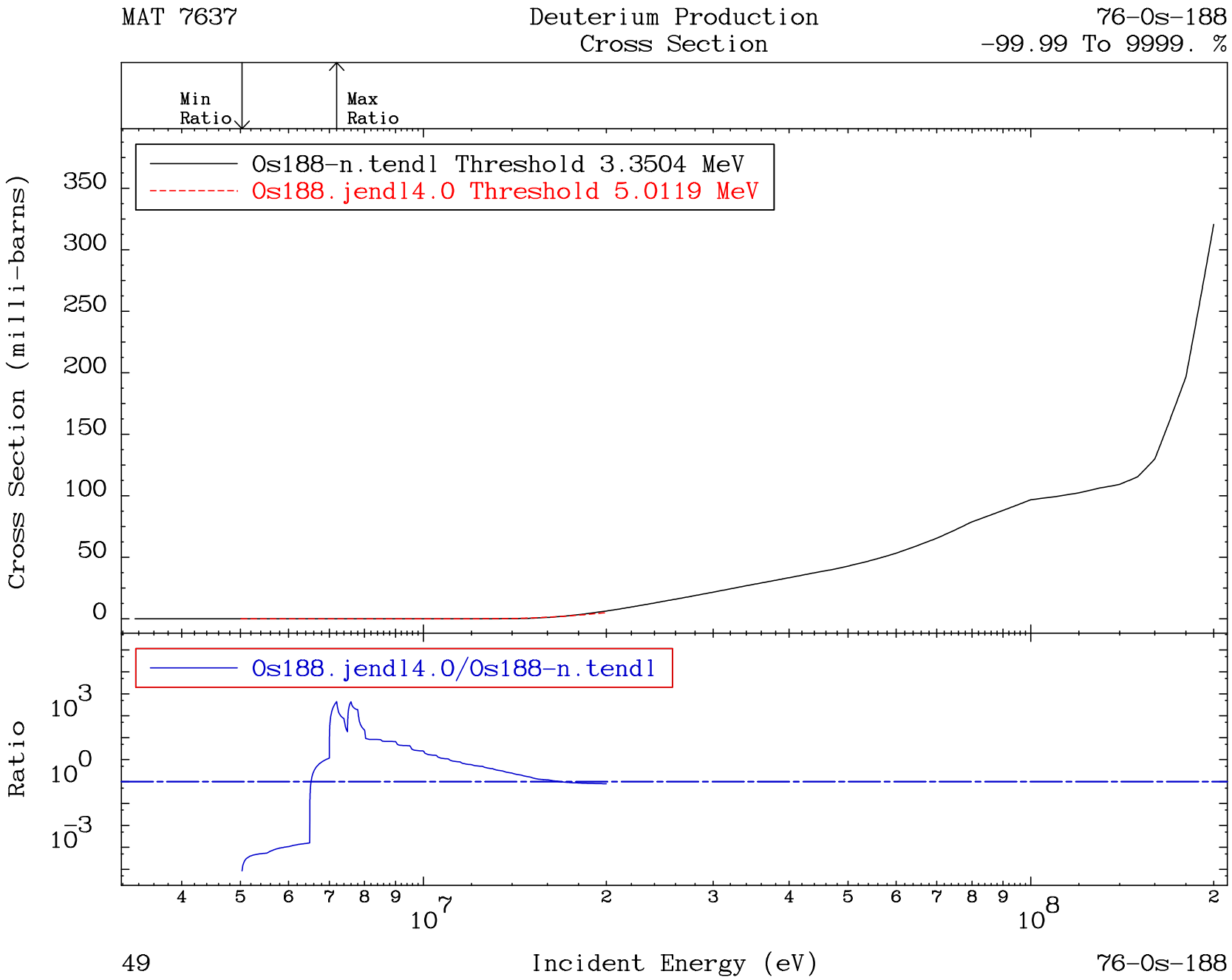

MAT 7637
(n,d)
Cross Section
76-0s-188
-99.93 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 5.0119 MeV
0s188.jendl4.0 Threshold 5.0119 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
0s188.jendl4.0/0s188-n.tendl
Ratio
10^3
10^0
10^-3
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
76-0s-188

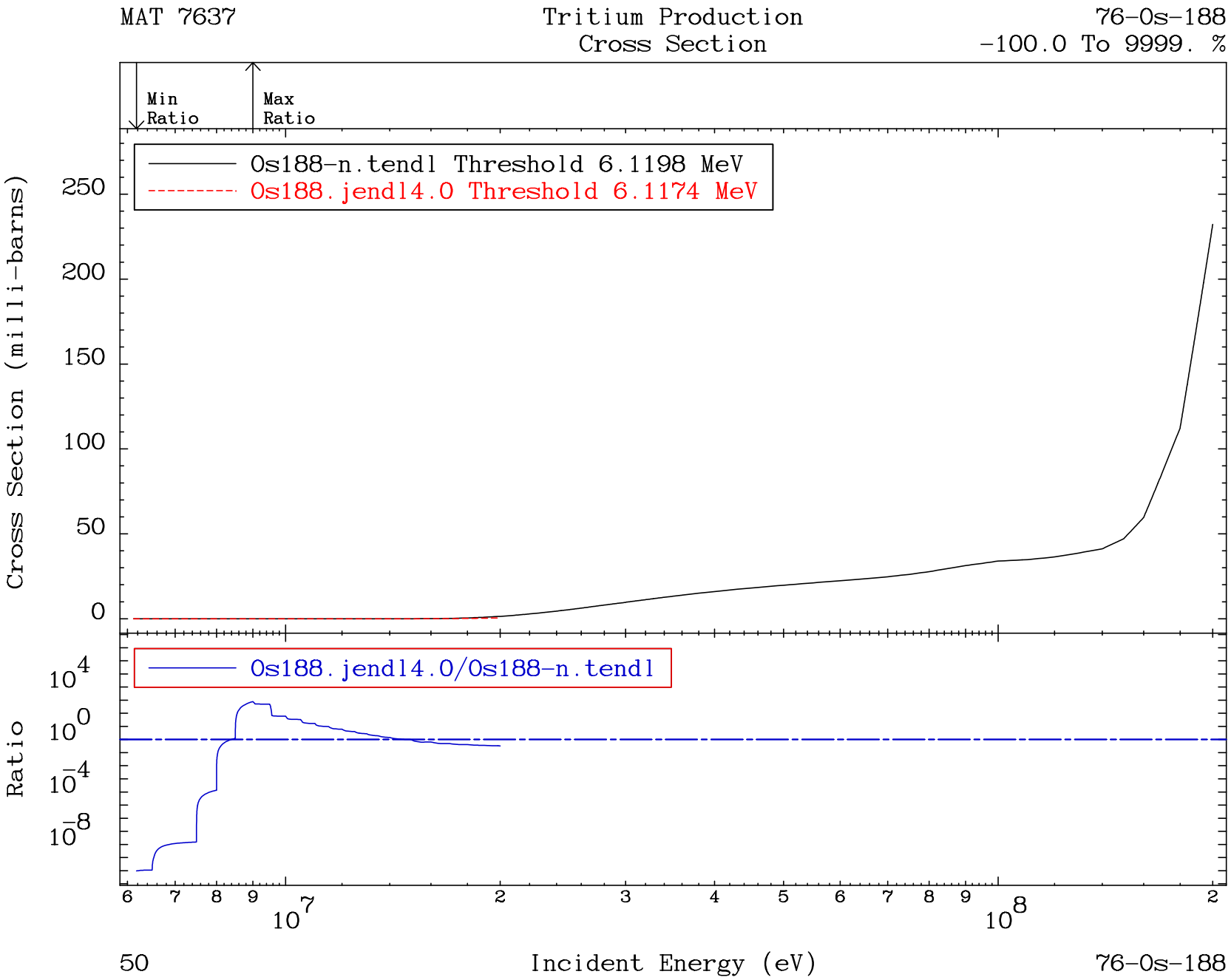

MAT 7637
(n,t)
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 6.1198 MeV
0s188.jendl4.0 Threshold 6.1174 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
0s188.jendl4.0/0s188-n.tendl
Ratio
10^4
10^0
10^-4
10^-8
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
76-0s-188

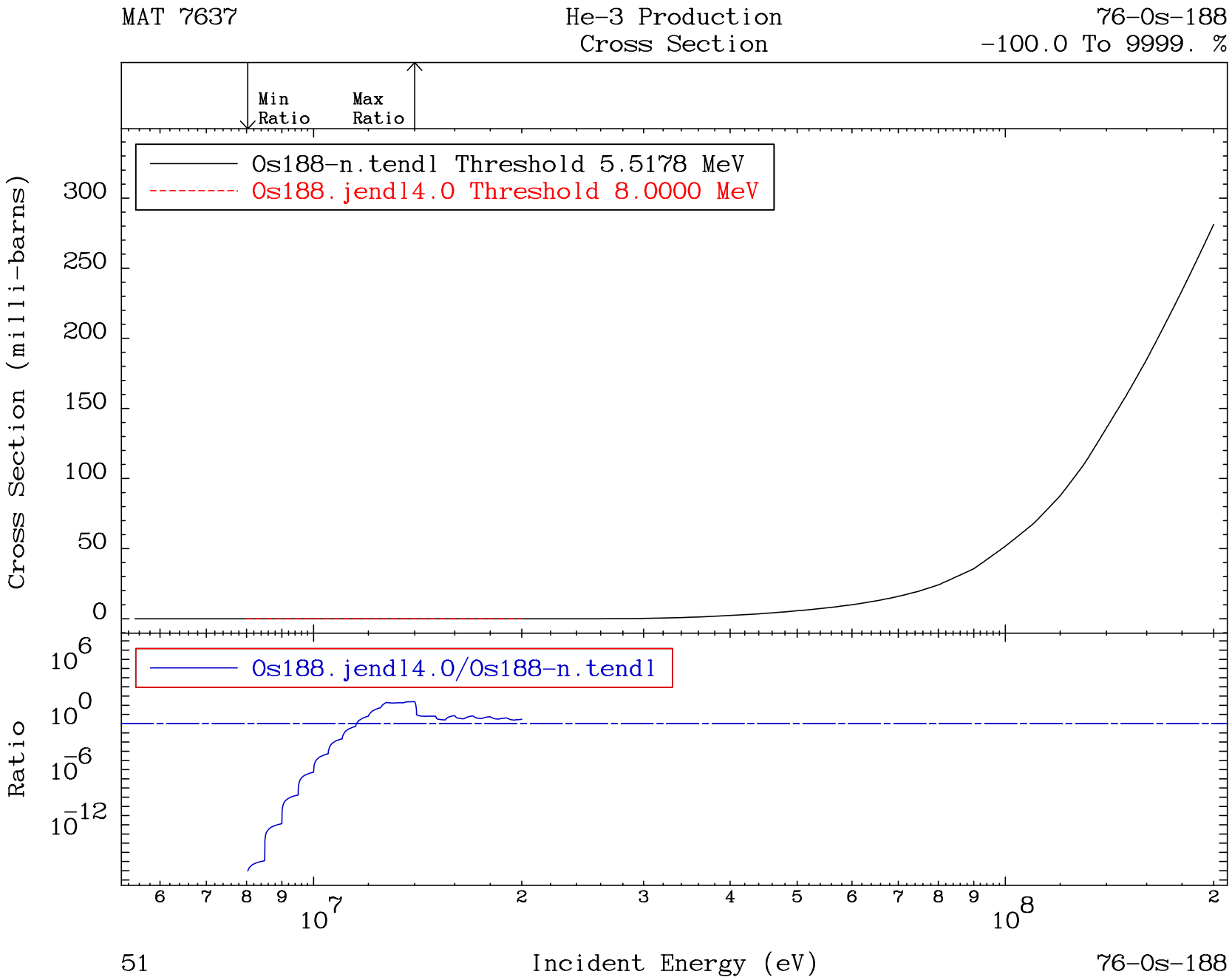

MAT 7637
(n,He-3)
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 5.5178 MeV
0s188.jendl4.0 Threshold 8.0000 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^6
10^0
10^-6
10^-12
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
76-0s-188

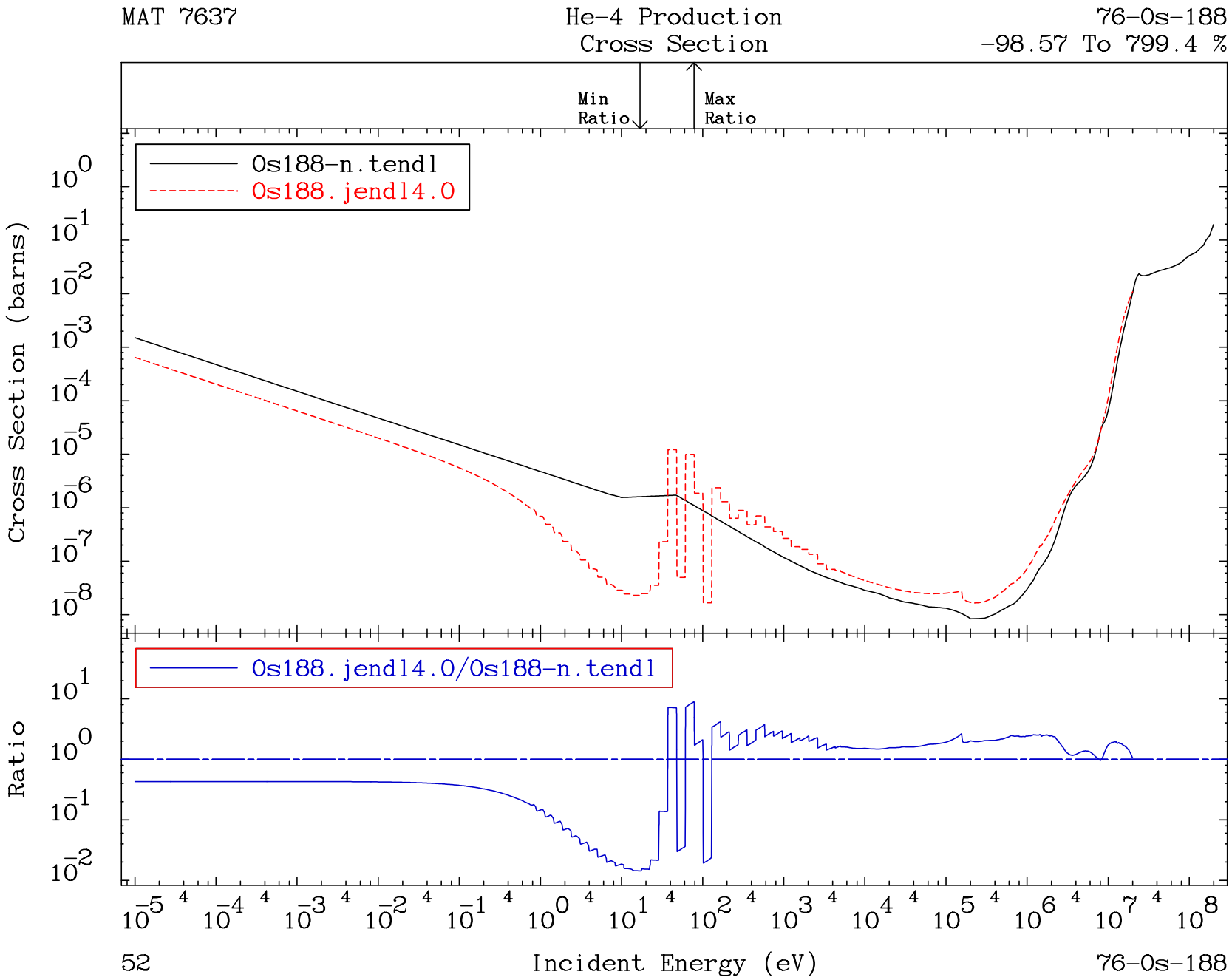

MAT 7637
(n,α)
Cross Section
76-0s-188
-98.57 To 799.4 %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
47
76-0s-188

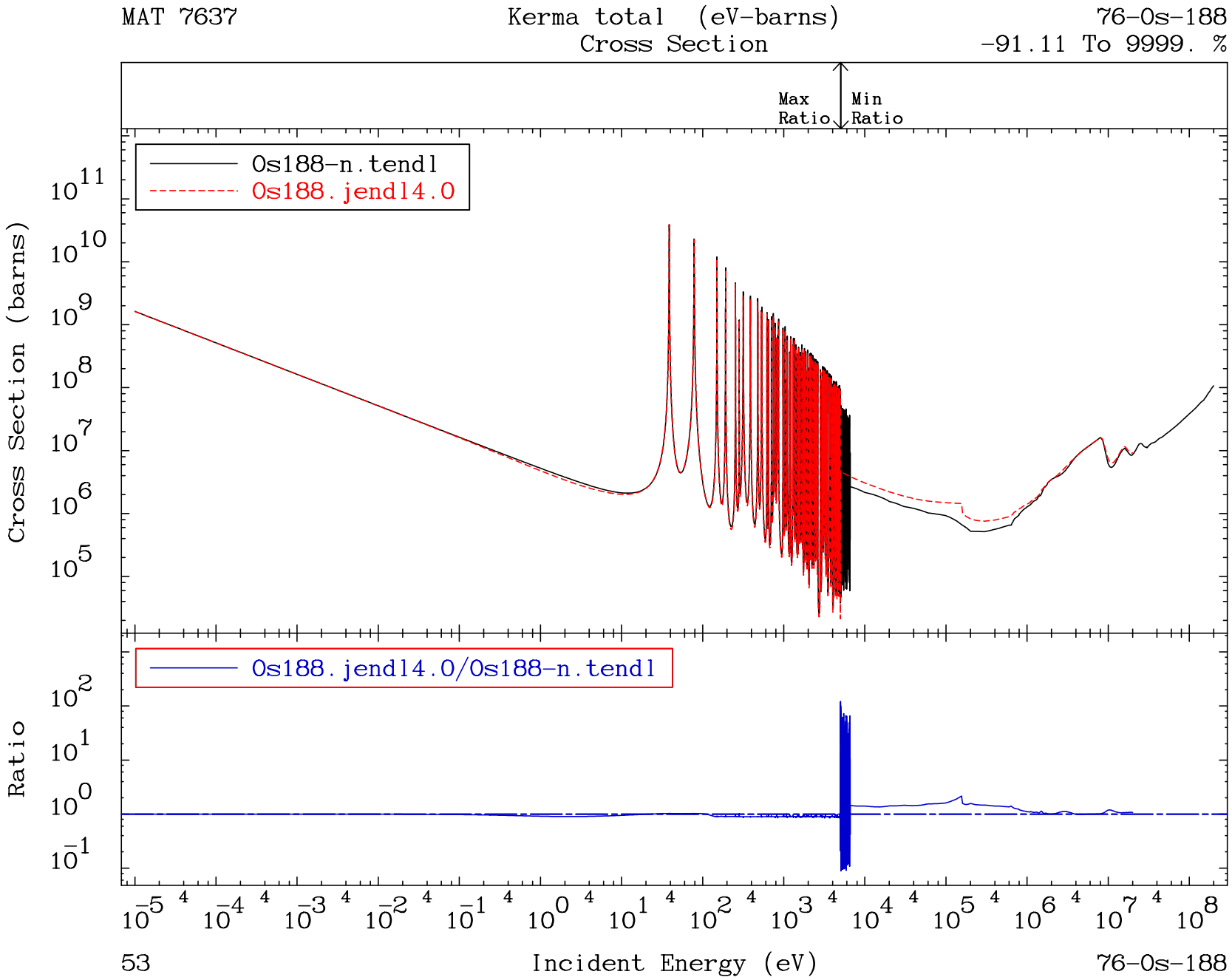

MAT 7637
Hydrogen Production
Cross Section
76-0s-188
-99.77 To 804.5 %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 6.5974 keV
0s188.jendl4.0 Threshold 1.3451 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^0
10^-2
10^4
10^5
10^6
10^7
10^8
48
Incident Energy (eV)
76-0s-188

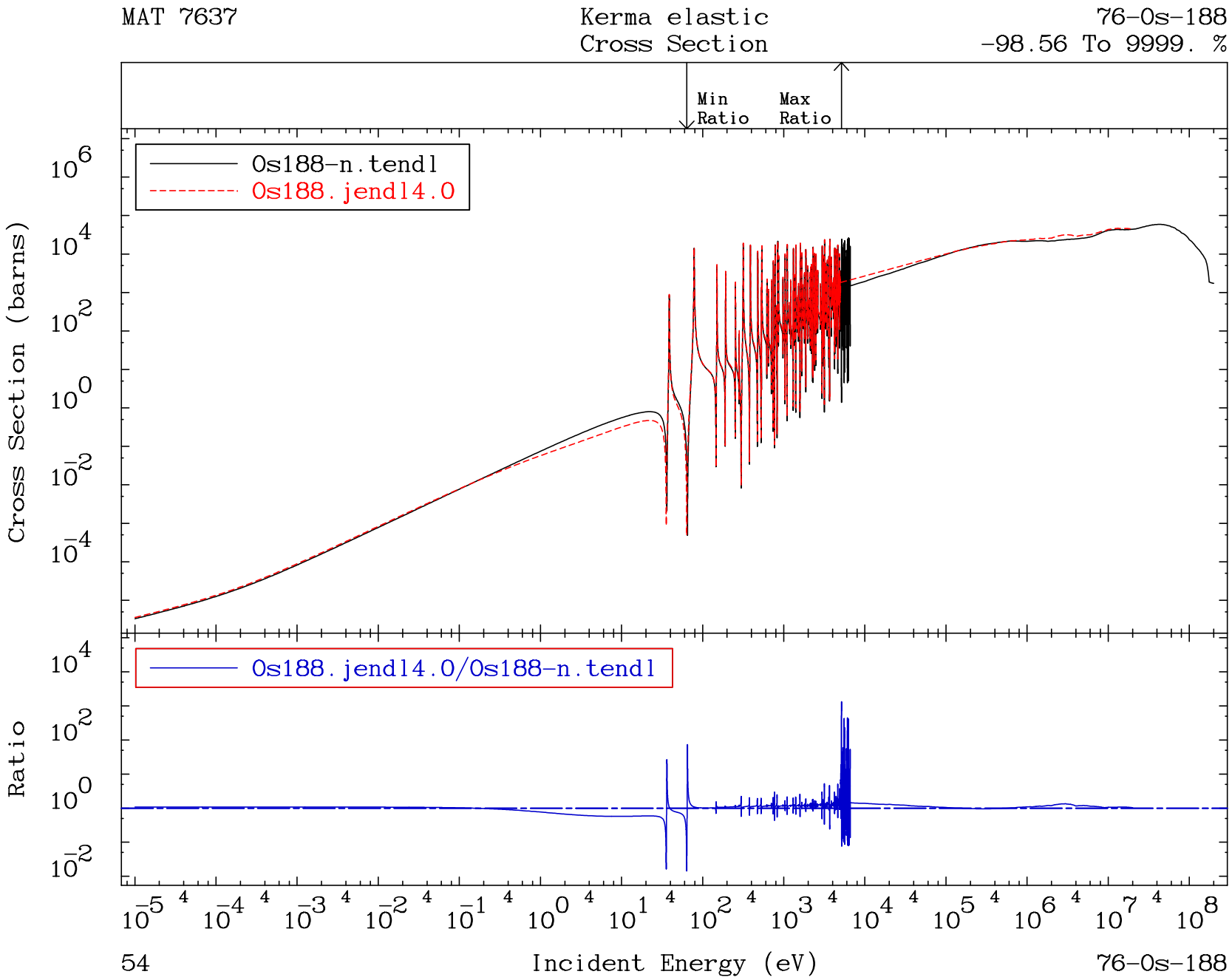

MAT 7637
Deuterium Production
Cross Section
76-0s-188
-99.99 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 3.3504 MeV
0s188.jendl4.0 Threshold 5.0119 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^3
10^0
10^-3
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
49
Incident Energy (eV)
76-0s-188

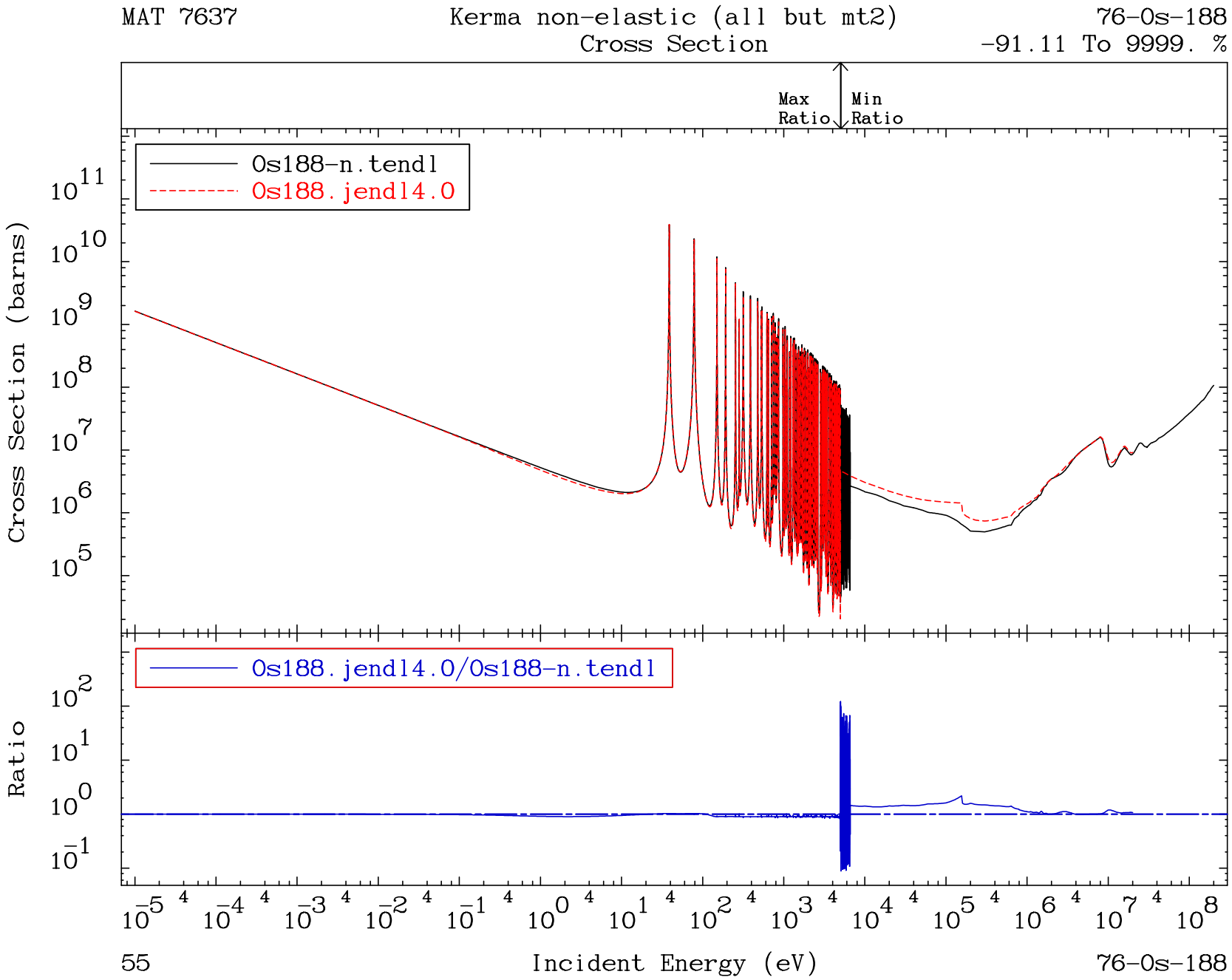

MAT 7637
Tritium Production
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 6.1198 MeV
0s188.jendl4.0 Threshold 6.1174 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^4
10^0
10^-4
10^-8
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
76-0s-188

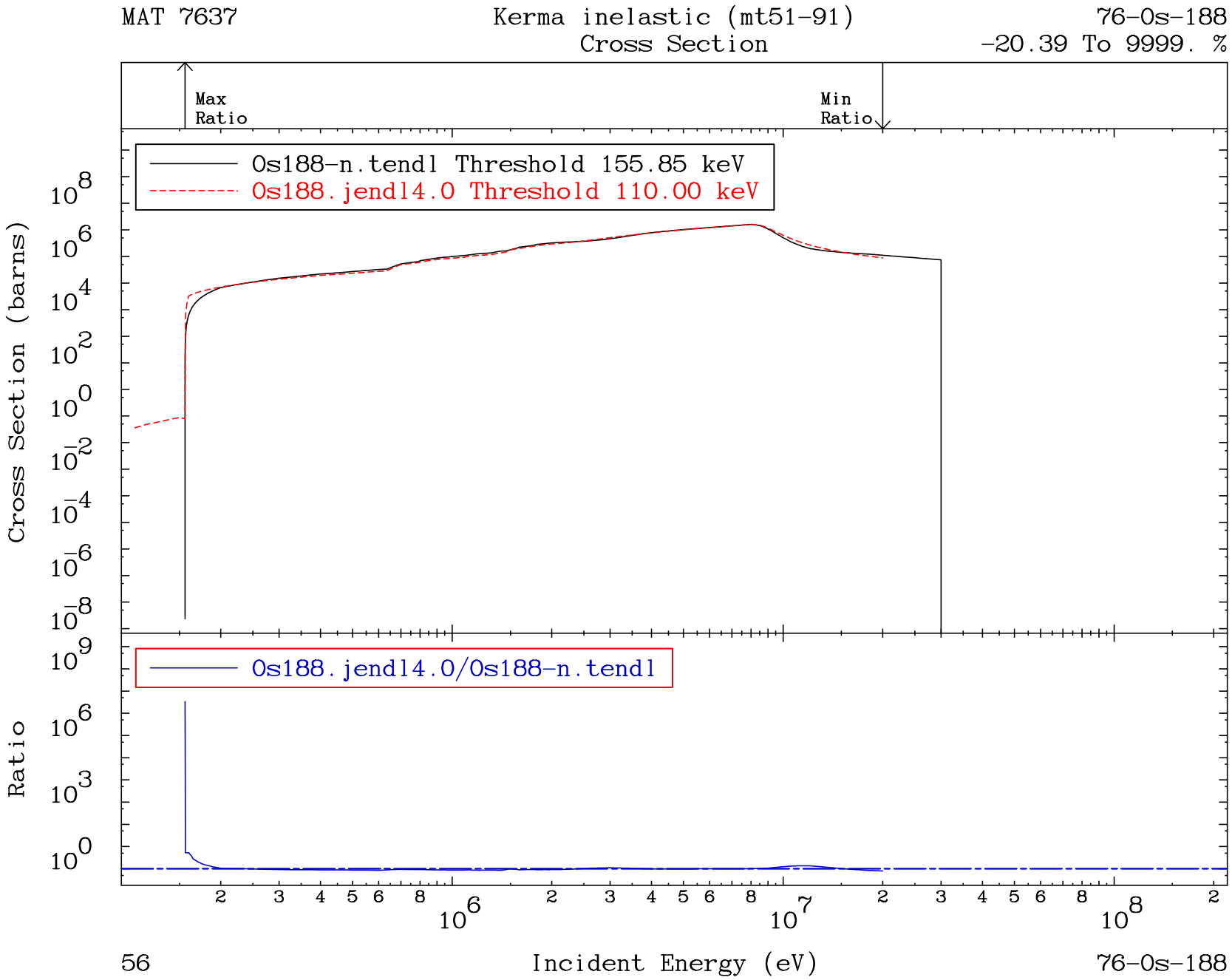

MAT 7637
He-3 Production
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl Threshold 5.5178 MeV
0s188.jendl4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^6
10^0
10^-6
10^-12
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
76-0s-188

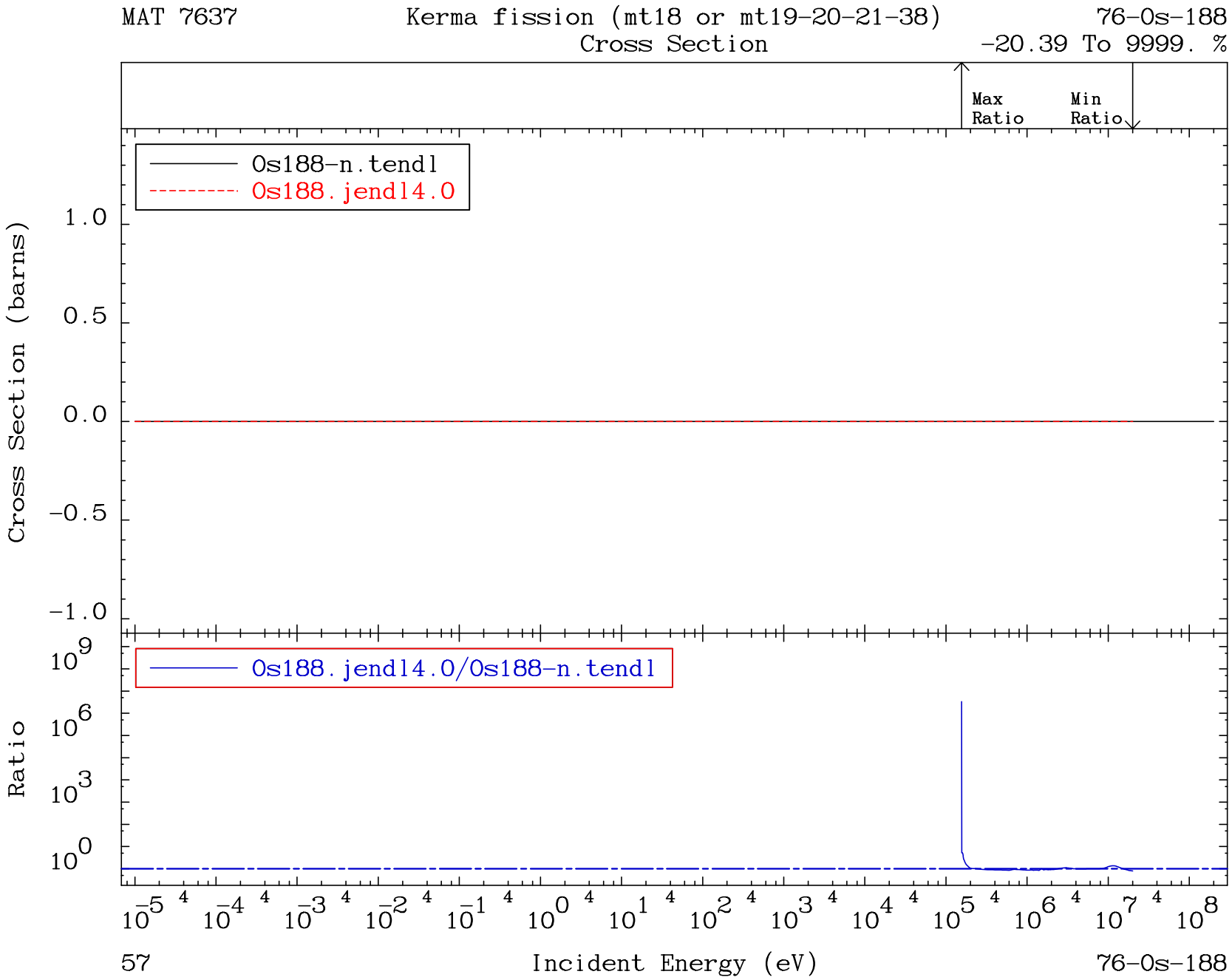

MAT 7637
He-4 Production
Cross Section
76-0s-188
-98.57 To 799.4 %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
52
76-0s-188

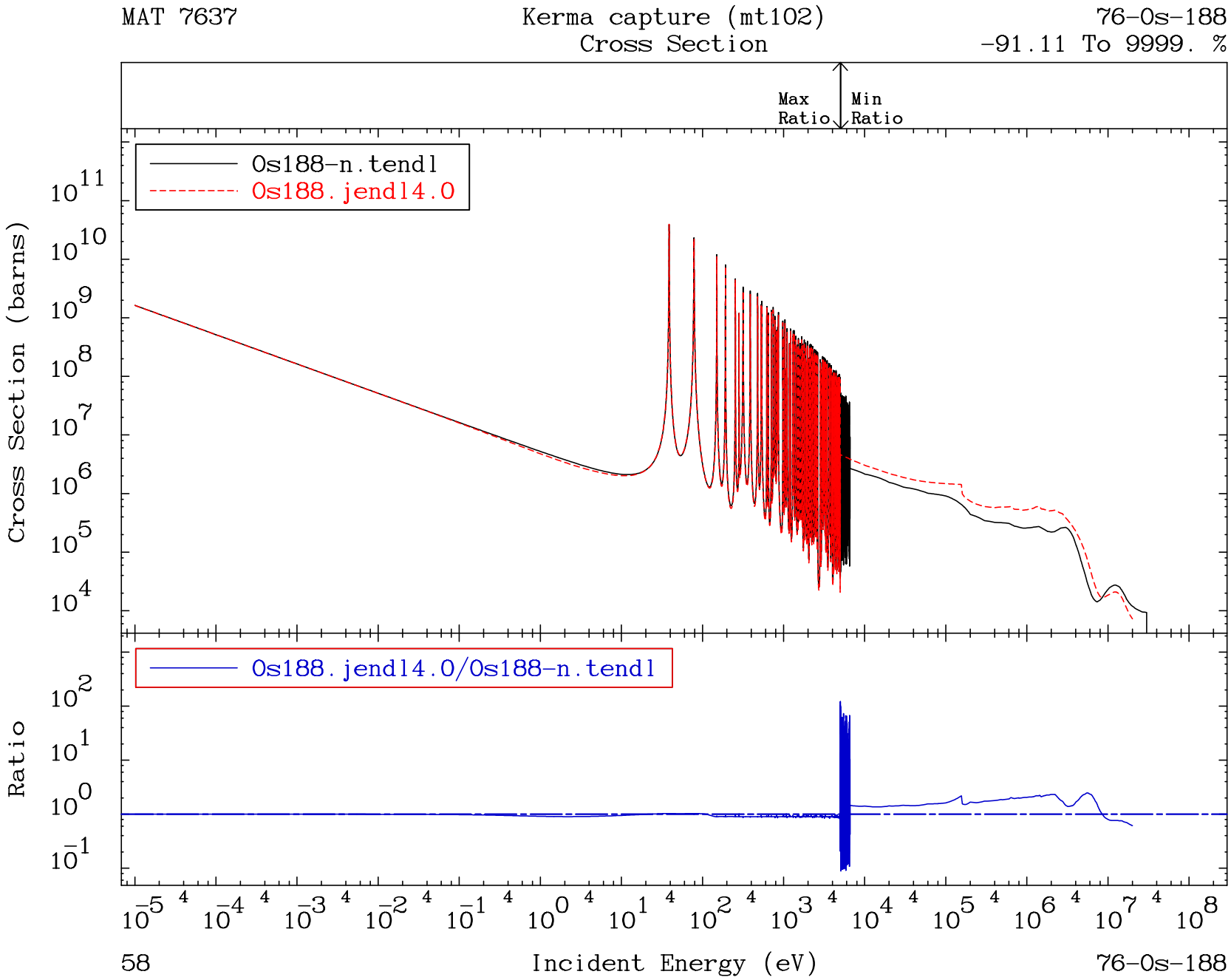

MAT 7637
Kerma total (eV-barns)
Cross Section
76-0s-188
-91.11 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
53
76-0s-188

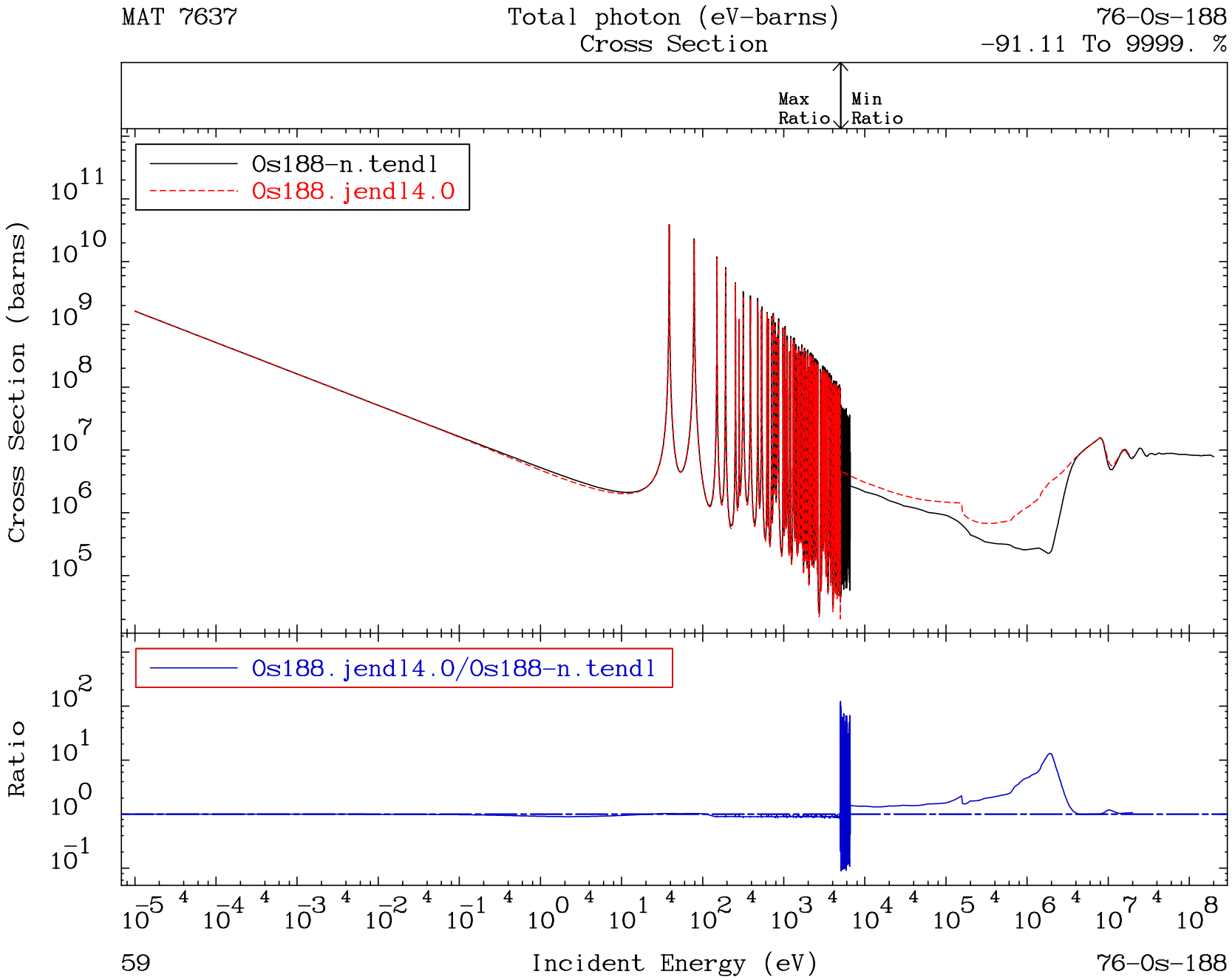

MAT 7637
Kerma elastic
Cross Section
76-0s-188
-98.56 To 9999. %
Min Ratio
Max Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
54
76-0s-188

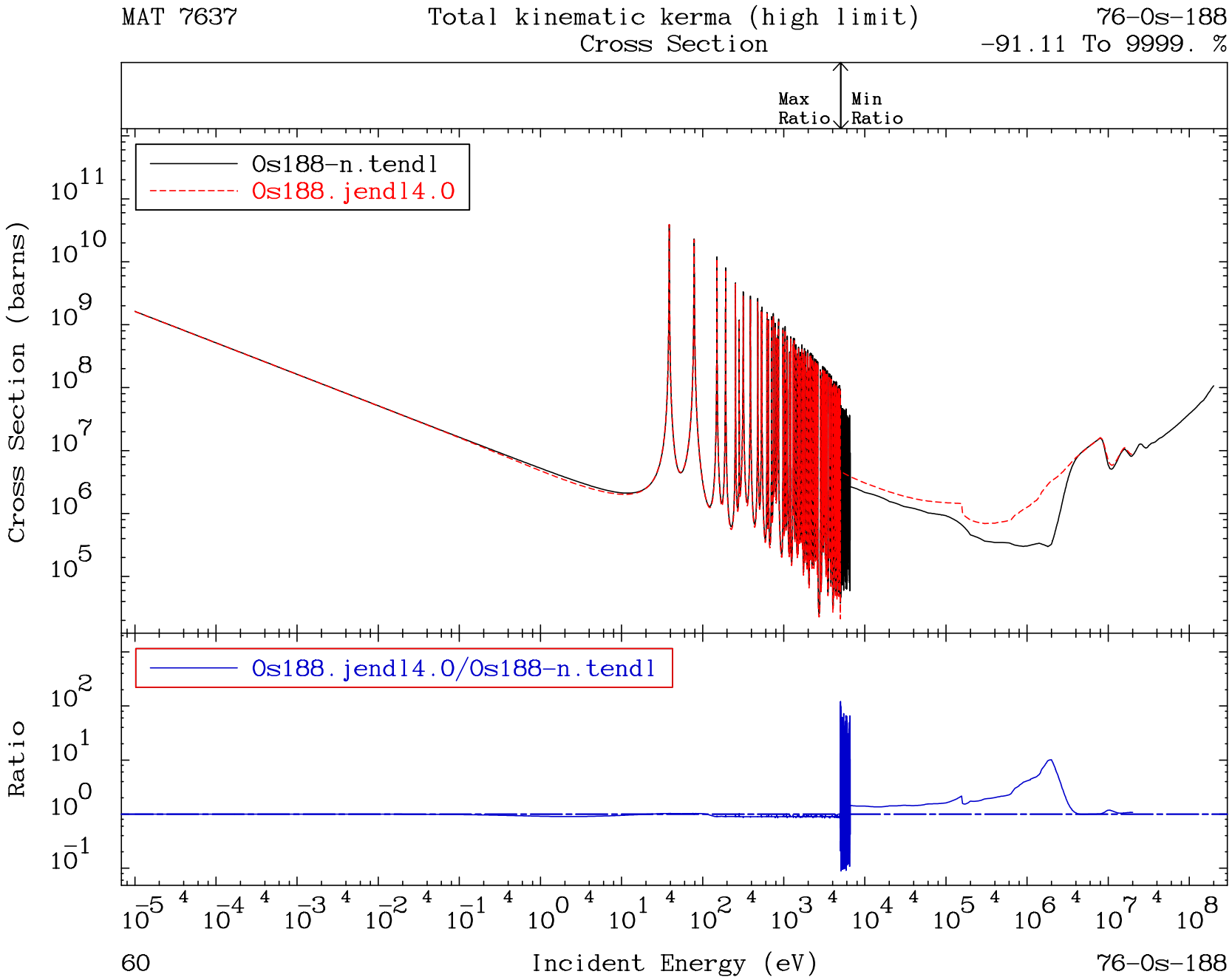

MAT 7637
Kerma non-elastic (all but mt2)
Cross Section
76-0s-188
-91.11 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
55
76-0s-188

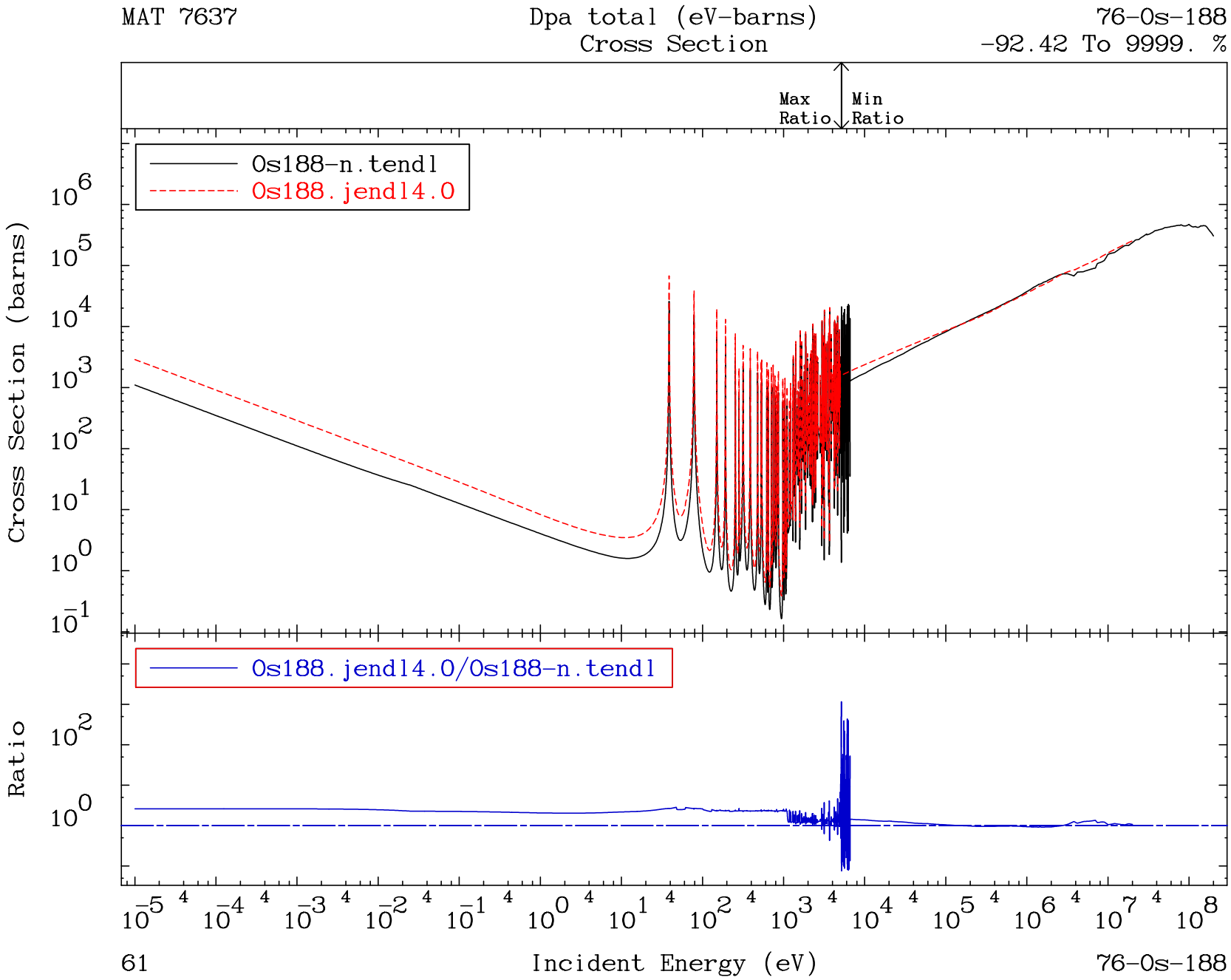

MAT 7637
Kerma inelastic (mt51-91)
Cross Section
76-0s-188
-20.39 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jendl4.0 Threshold 110.00 keV
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
56
76-0s-188

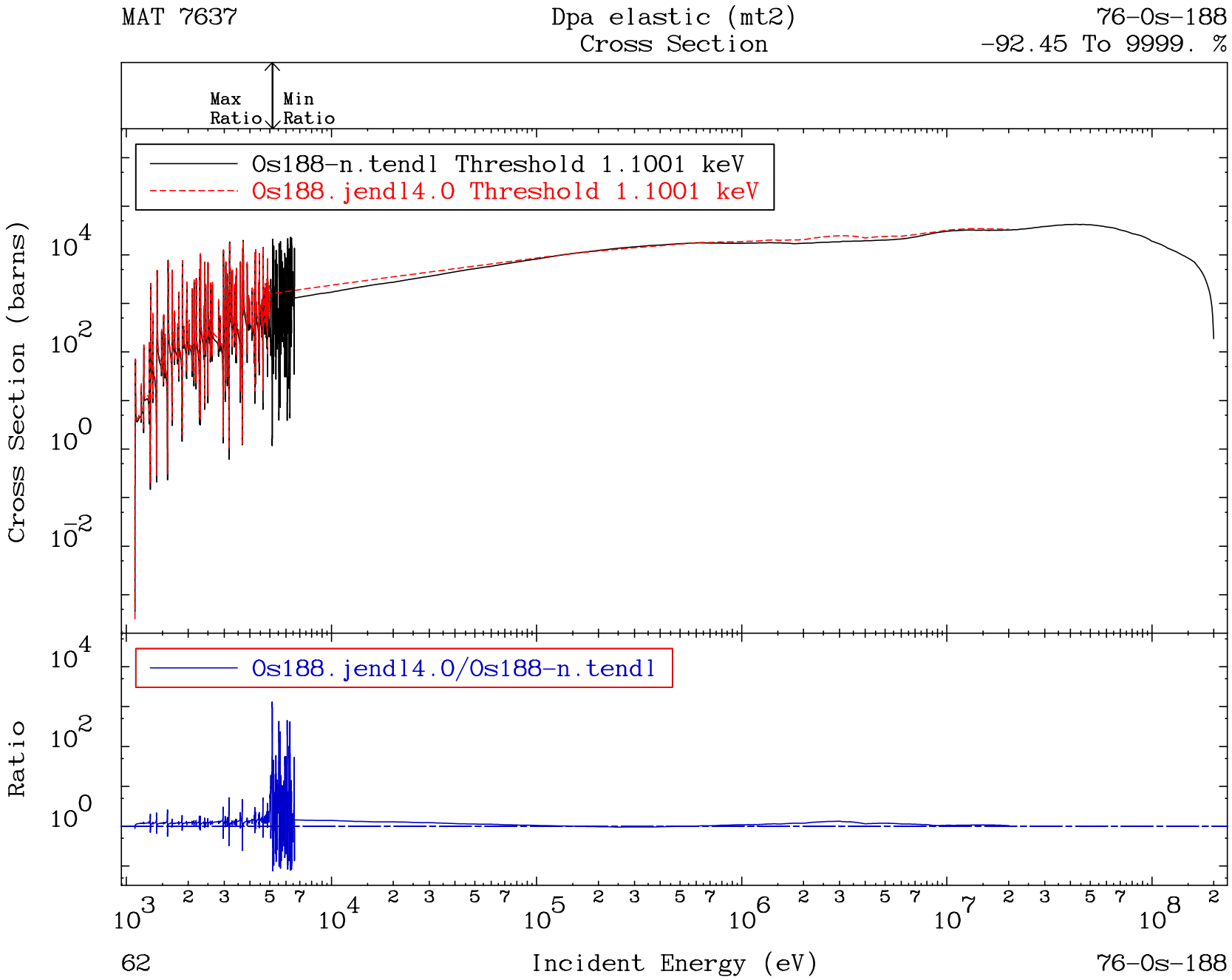

MAT 7637
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
76-0s-188
-20.39 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
0s188.jendl4.0/0s188-n.tendl
Ratio
10^9
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
57
Incident Energy (eV)
76-0s-188

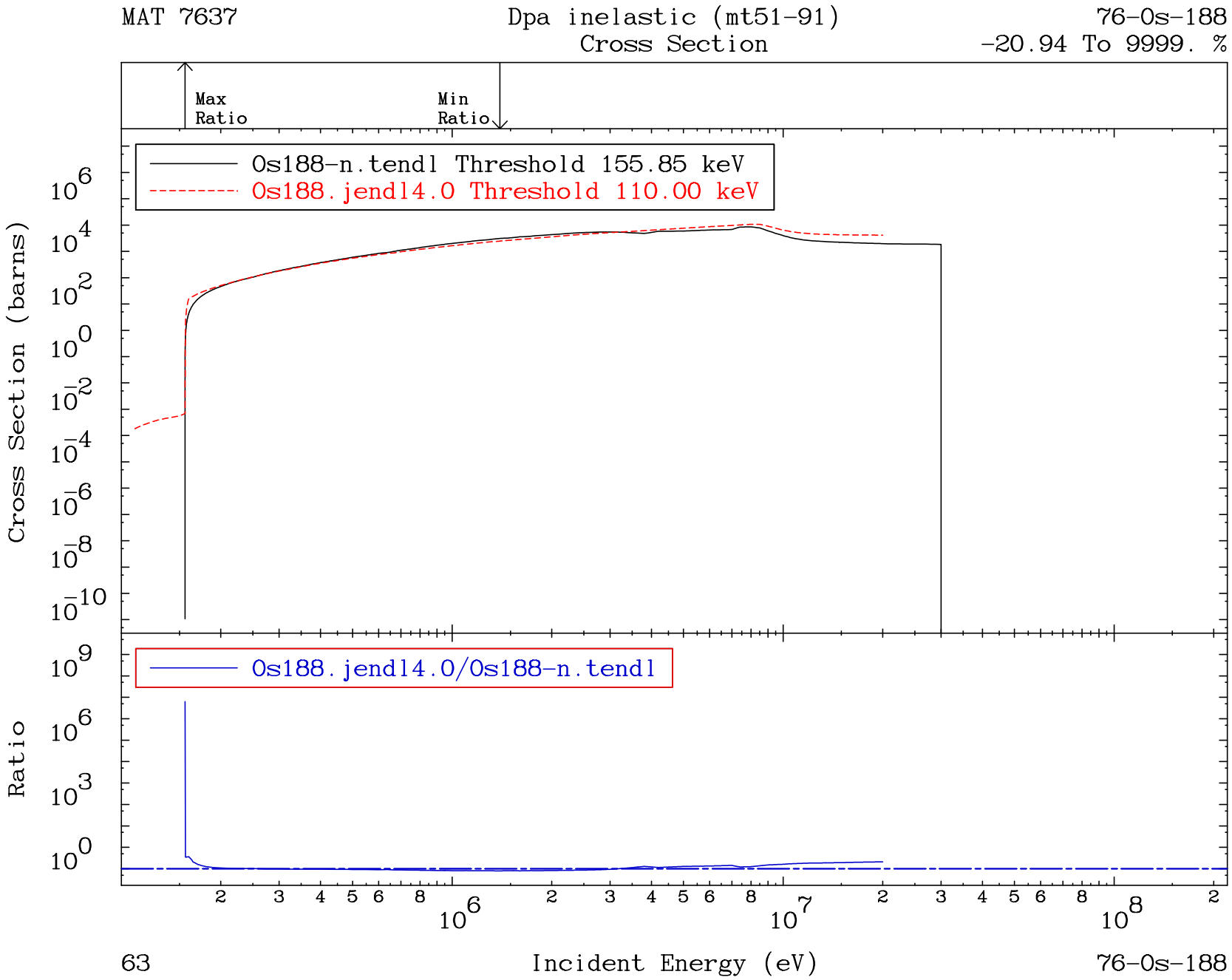

MAT 7637
Kerma capture (mt102)
Cross Section
76-0s-188
-91.11 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
58
76-0s-188

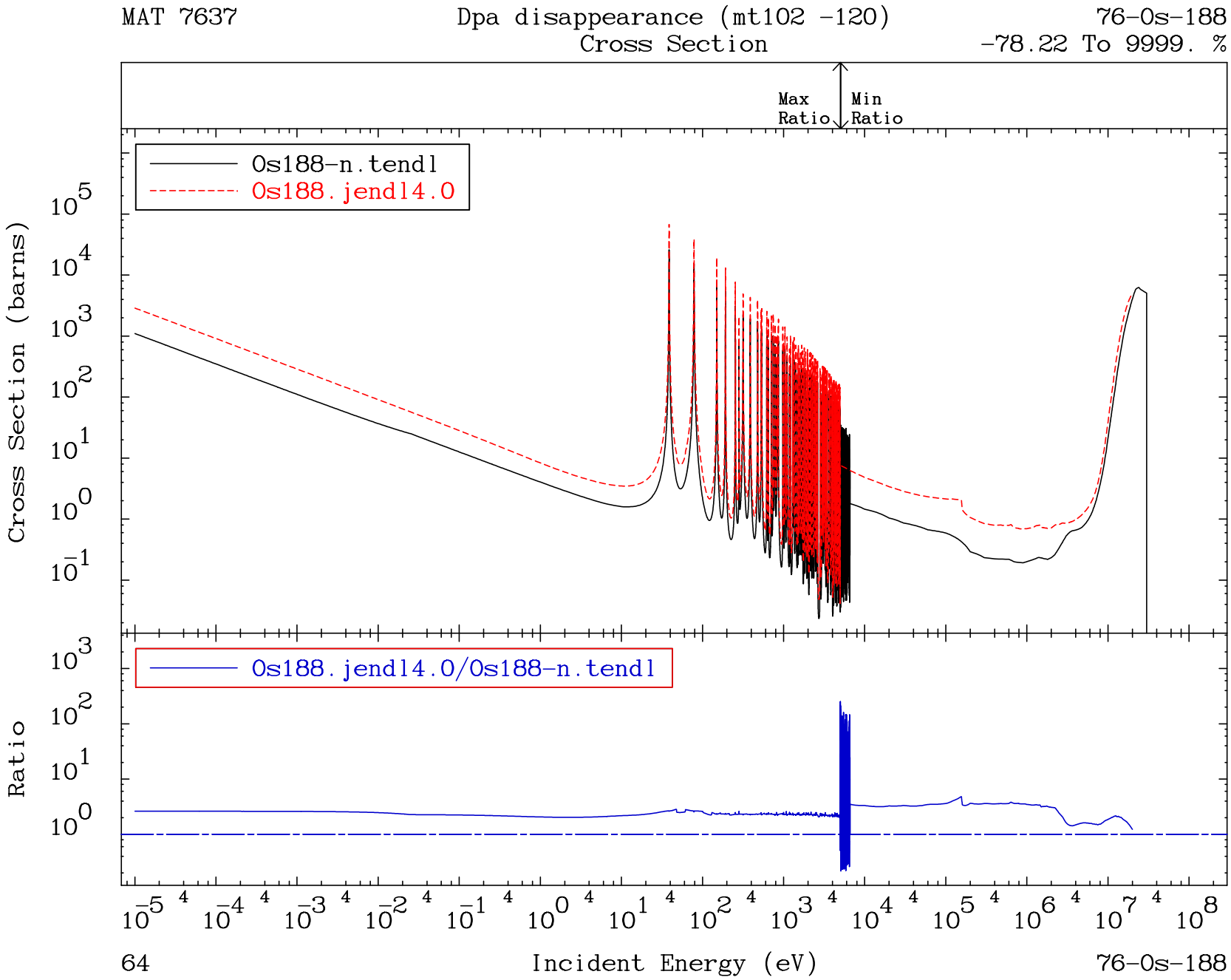

MAT 7637
Total photon (eV-barns)
Cross Section
76-0s-188
-91.11 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
59
76-0s-188


MAT 7637
Total kinematic kerma (high limit)
Cross Section
76-0s-188
-91.11 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
60
76-0s-188


MAT 7637
Dpa total (eV-barns)
Cross Section
76-0s-188
-92.42 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
61
Incident Energy (eV)
76-0s-188


MAT 7637
Dpa elastic (mt2)
Cross Section
76-0s-188
-92.45 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 1.1001 keV
0s188.jendl4.0 Threshold 1.1001 keV
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
62
76-0s-188


MAT 7637
Dpa inelastic (mt51-91)
Cross Section
76-0s-188
-20.94 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl Threshold 155.85 keV
0s188.jendl4.0 Threshold 110.00 keV
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
63
76-0s-188


MAT 7637
Dpa disappearance (mt102 -120)
Cross Section
76-0s-188
-78.22 To 9999. %
Max Ratio
Min Ratio
0s188-n.tendl
0s188.jendl4.0
Cross Section (barns)
0s188.jendl4.0/0s188-n.tendl
Ratio
Incident Energy (eV)
64
76-0s-188