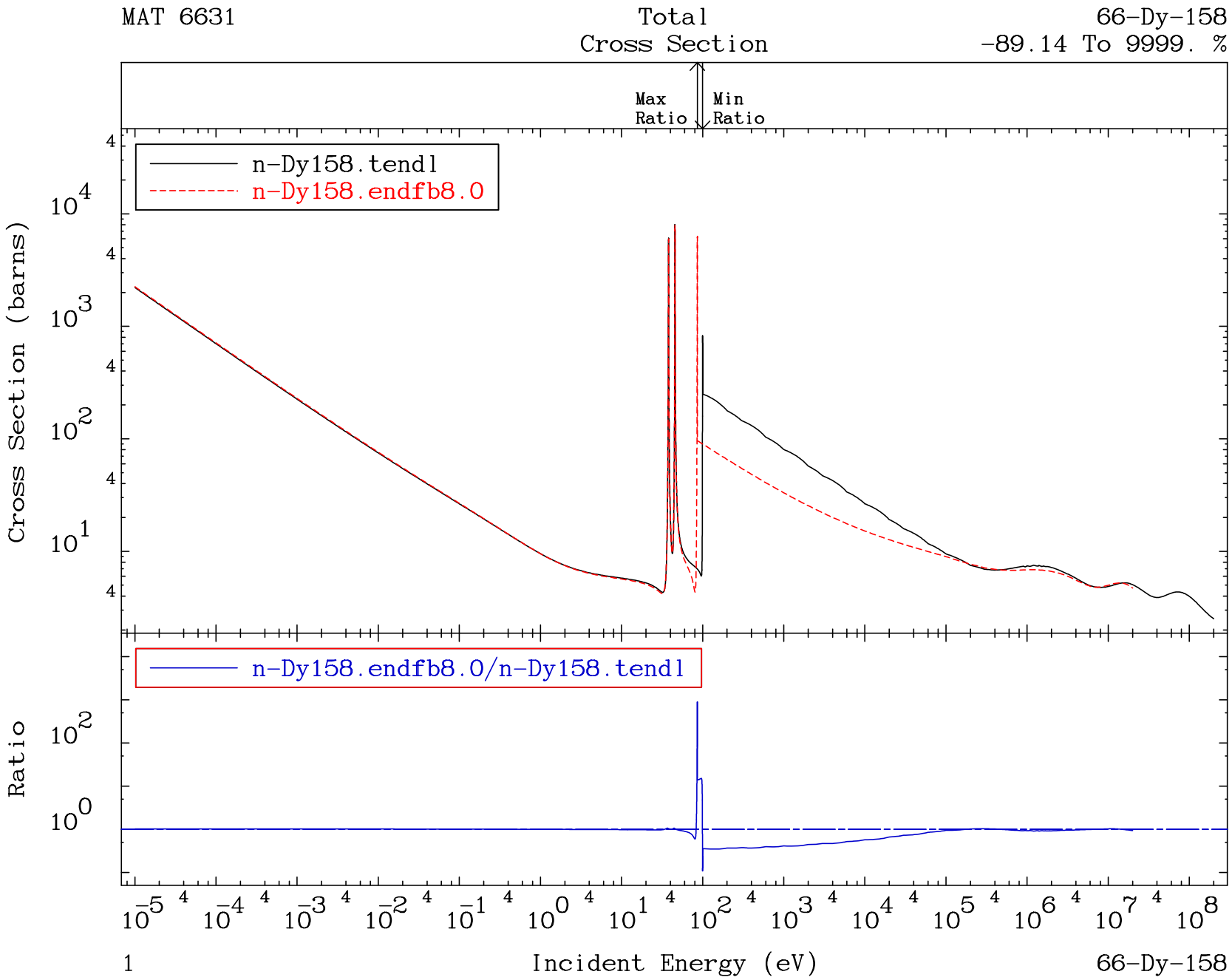
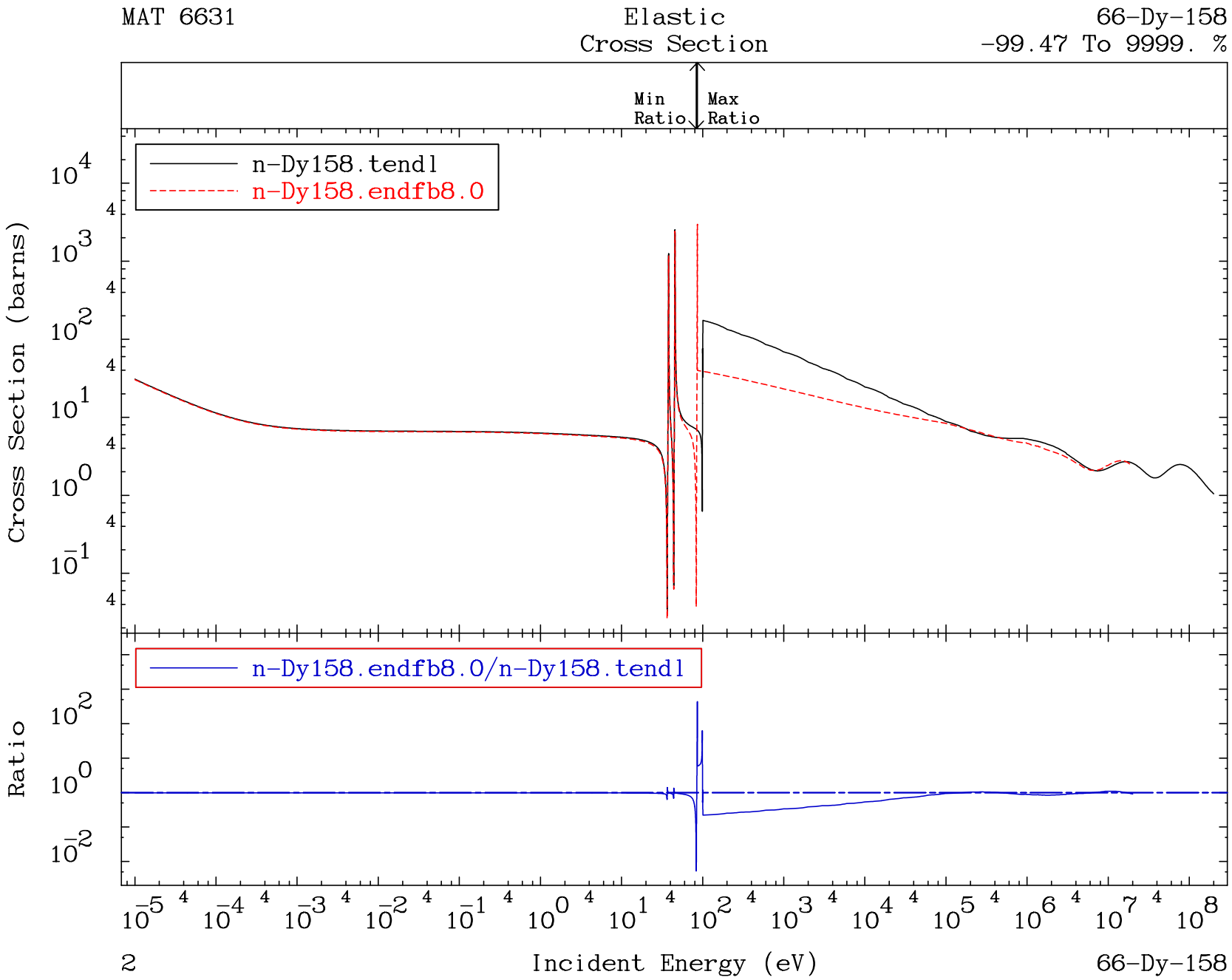
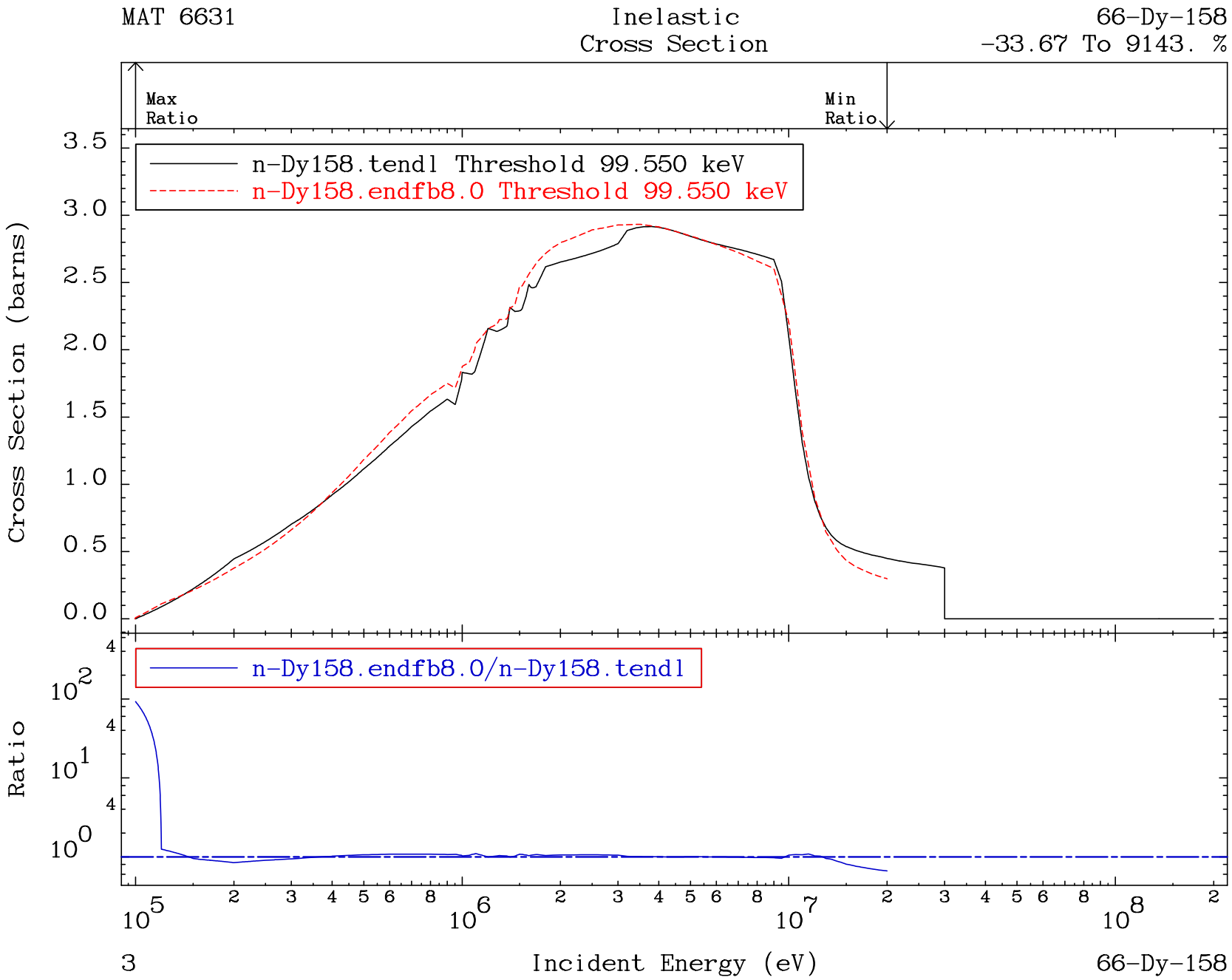
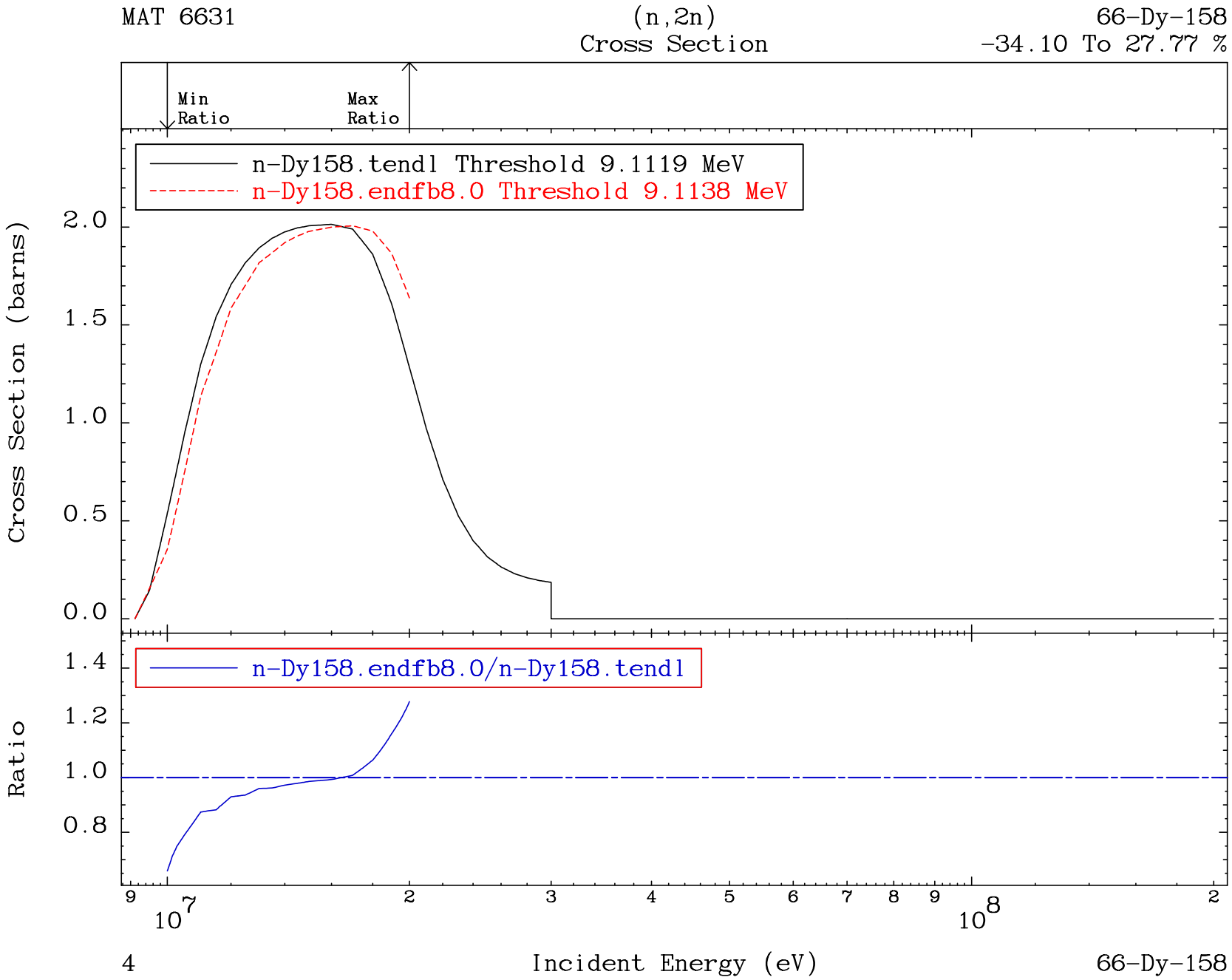
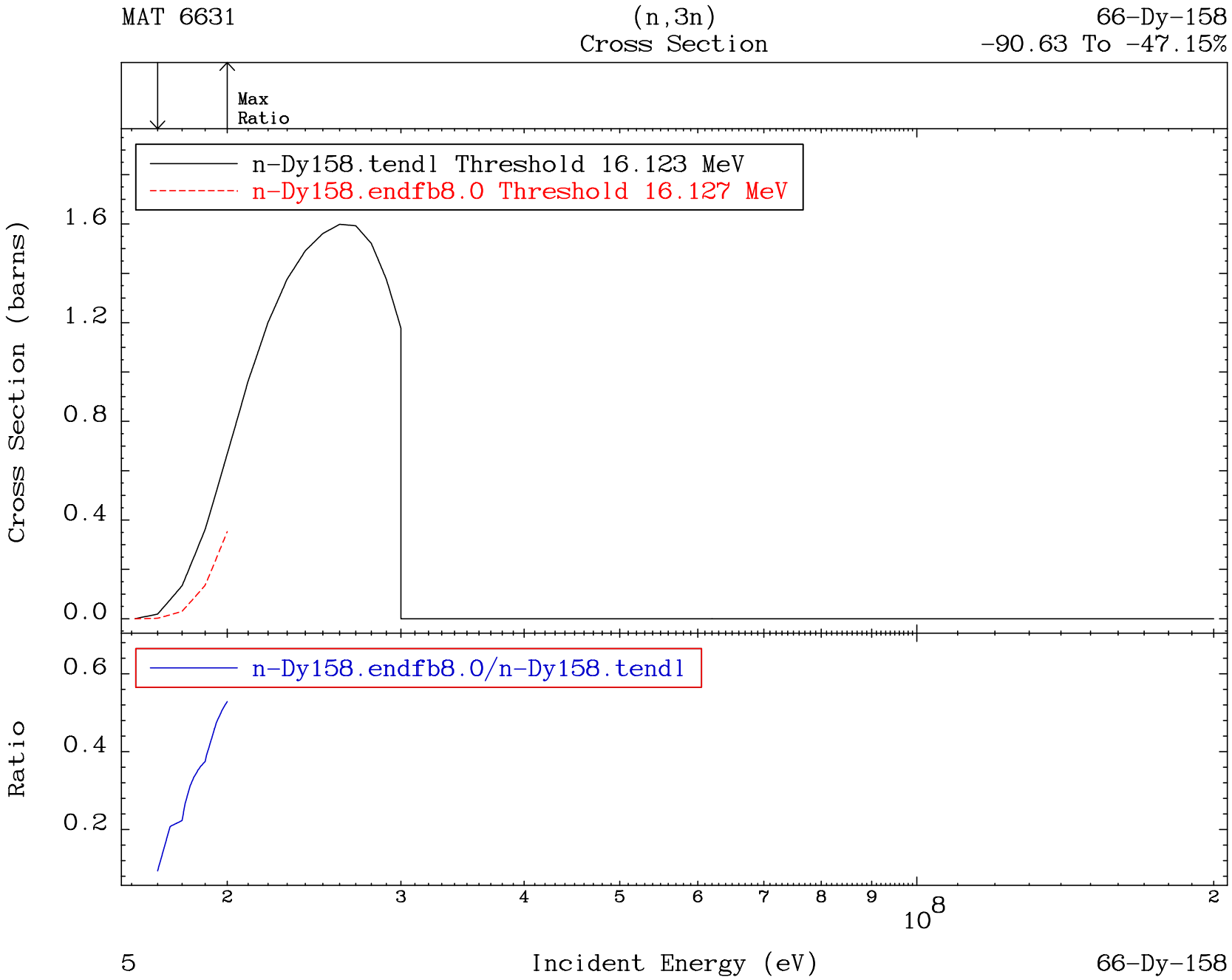
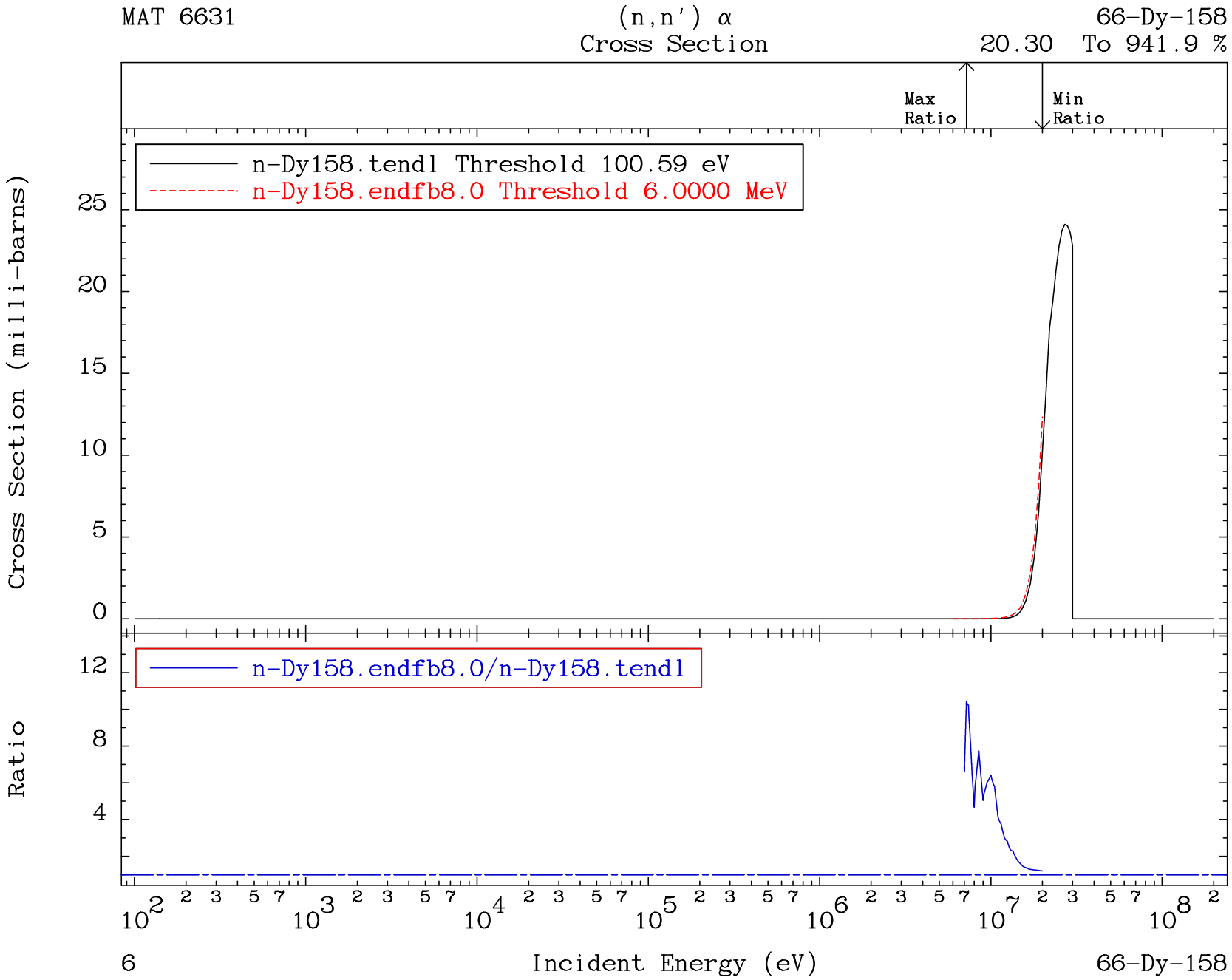

MAT 6631
Total
Cross Section
66-Dy-158
-89.14 To 9999. %
Max
Ratio
Min
Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
1
66-Dy-158

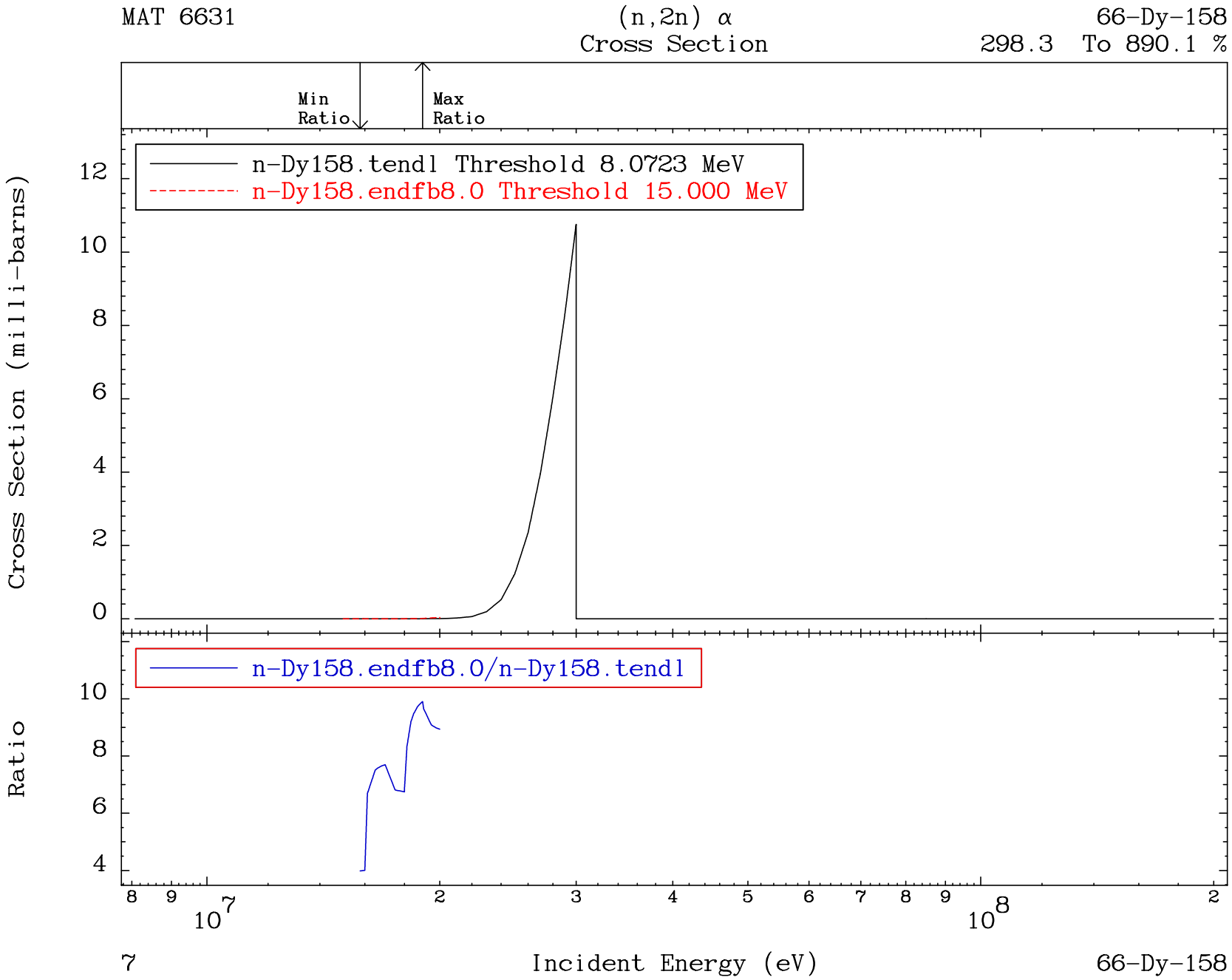

MAT 6631
Elastic
Cross Section
66-Dy-158
-99.47 To 9999. %
Min Ratio
Max Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
2
66-Dy-158

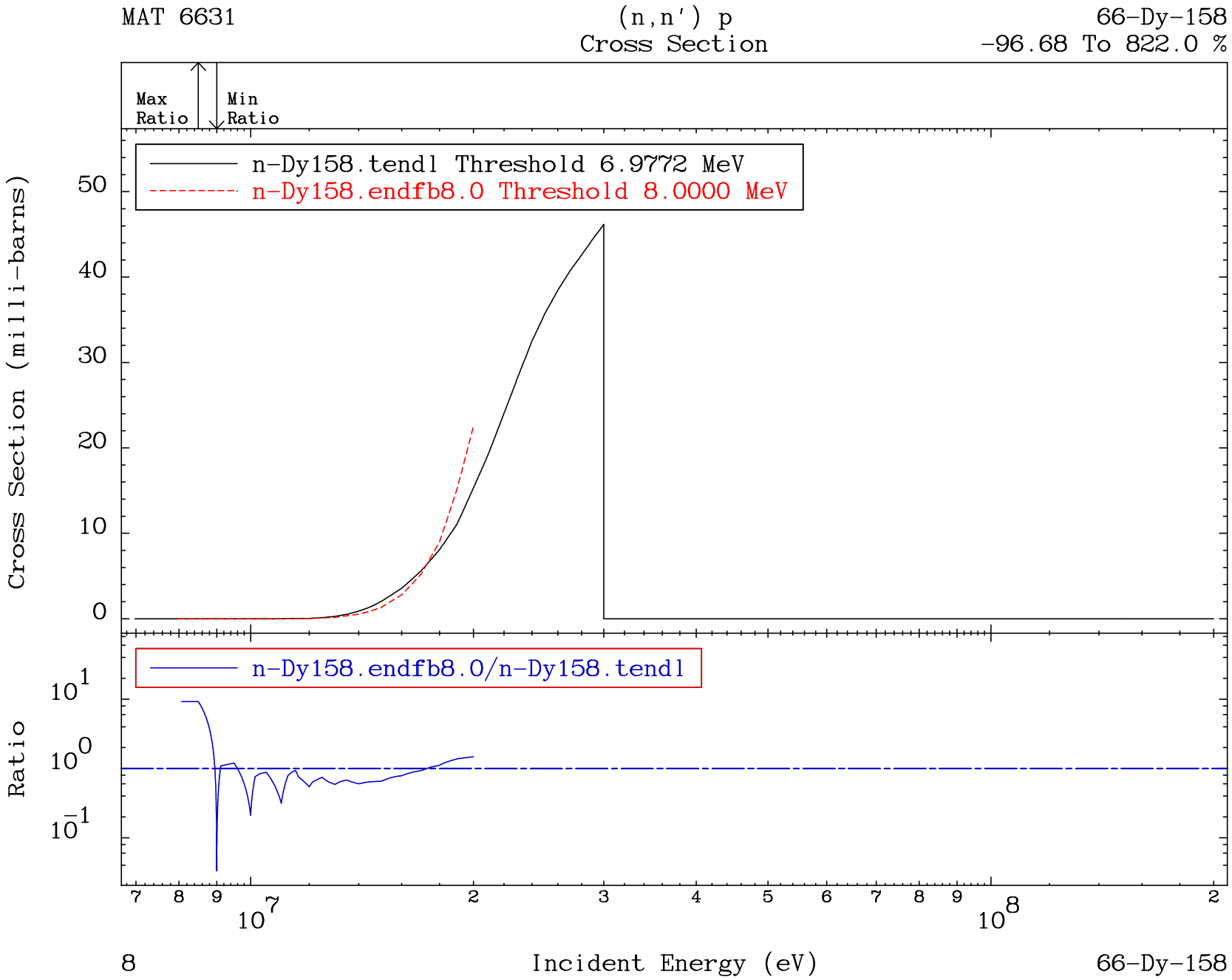

MAT 6631
Inelastic
Cross Section
66-Dy-158
-33.67 To 9143. %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 99.550 keV
n-Dy158.endfb8.0 Threshold 99.550 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^2
10^1
10^0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
66-Dy-158

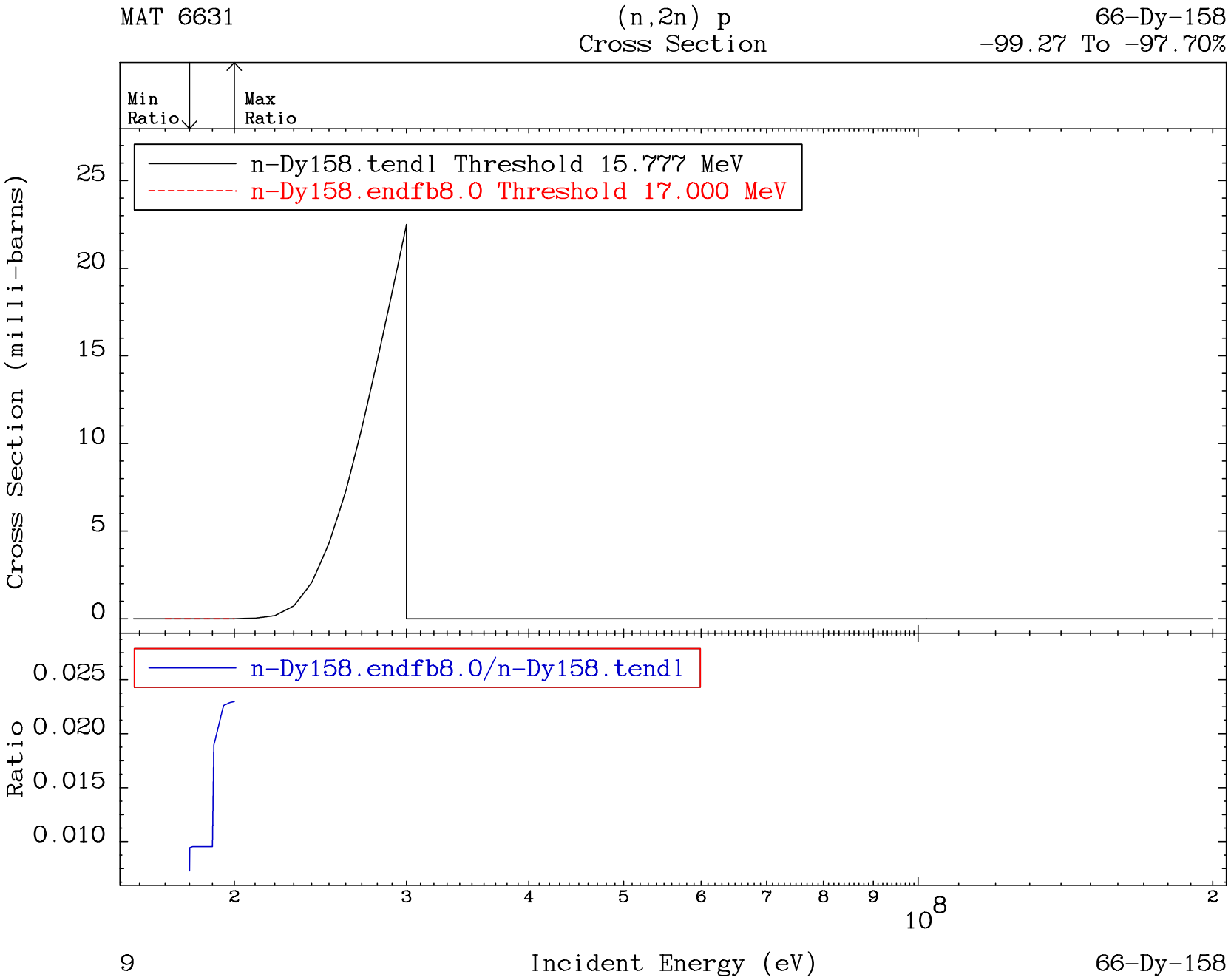

MAT 6631
(n,2n)
Cross Section
66-Dy-158
-34.10 To 27.77 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 9.1119 MeV
n-Dy158.endfb8.0 Threshold 9.1138 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
1.4
1.2
1.0
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
66-Dy-158

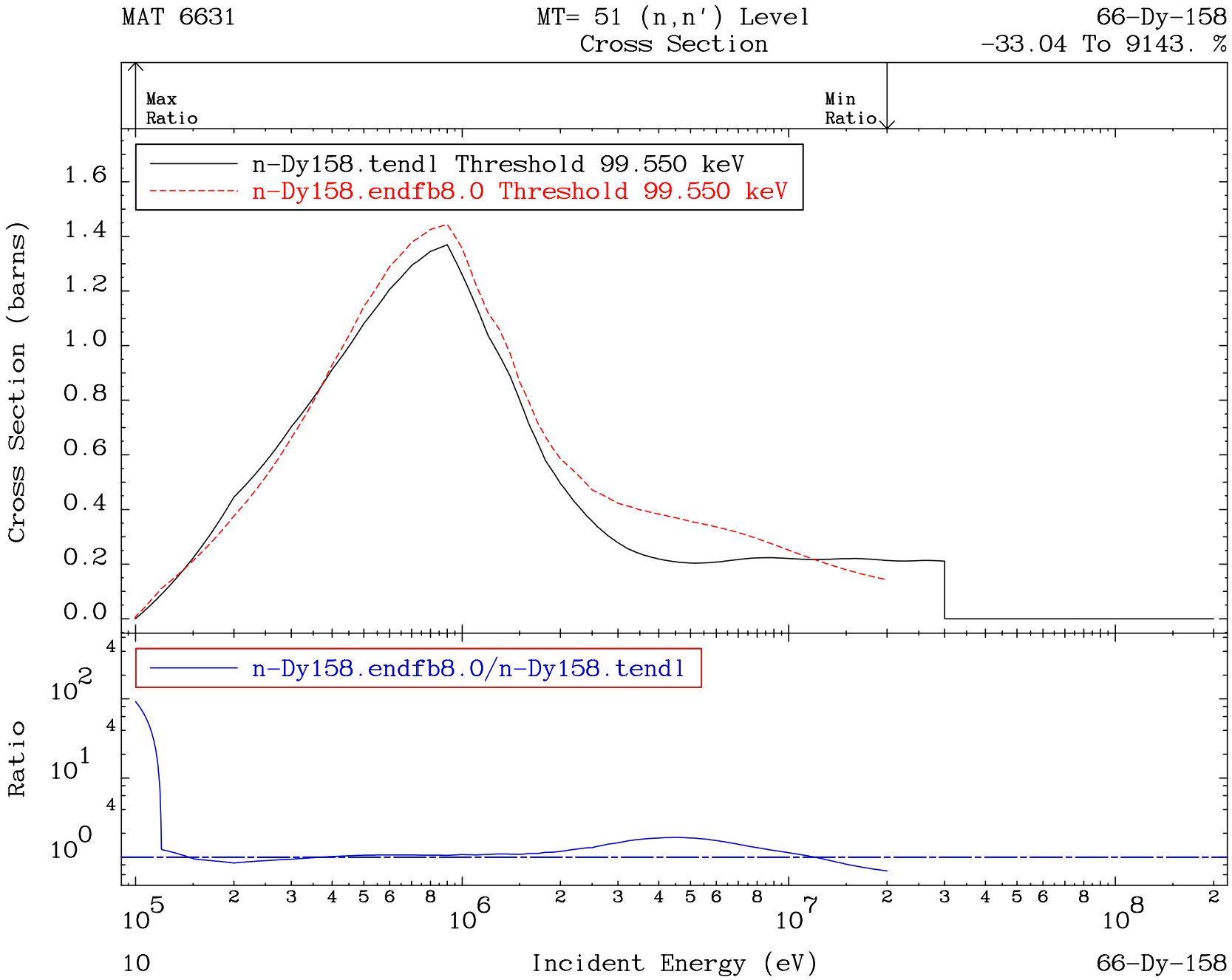

MAT 6631
(n,3n)
Cross Section
66-Dy-158
-90.63 To -47.15%
Max
Ratio
n-Dy158.tendl Threshold 16.123 MeV
n-Dy158.endfb8.0 Threshold 16.127 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
0.6
0.4
0.2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
66-Dy-158

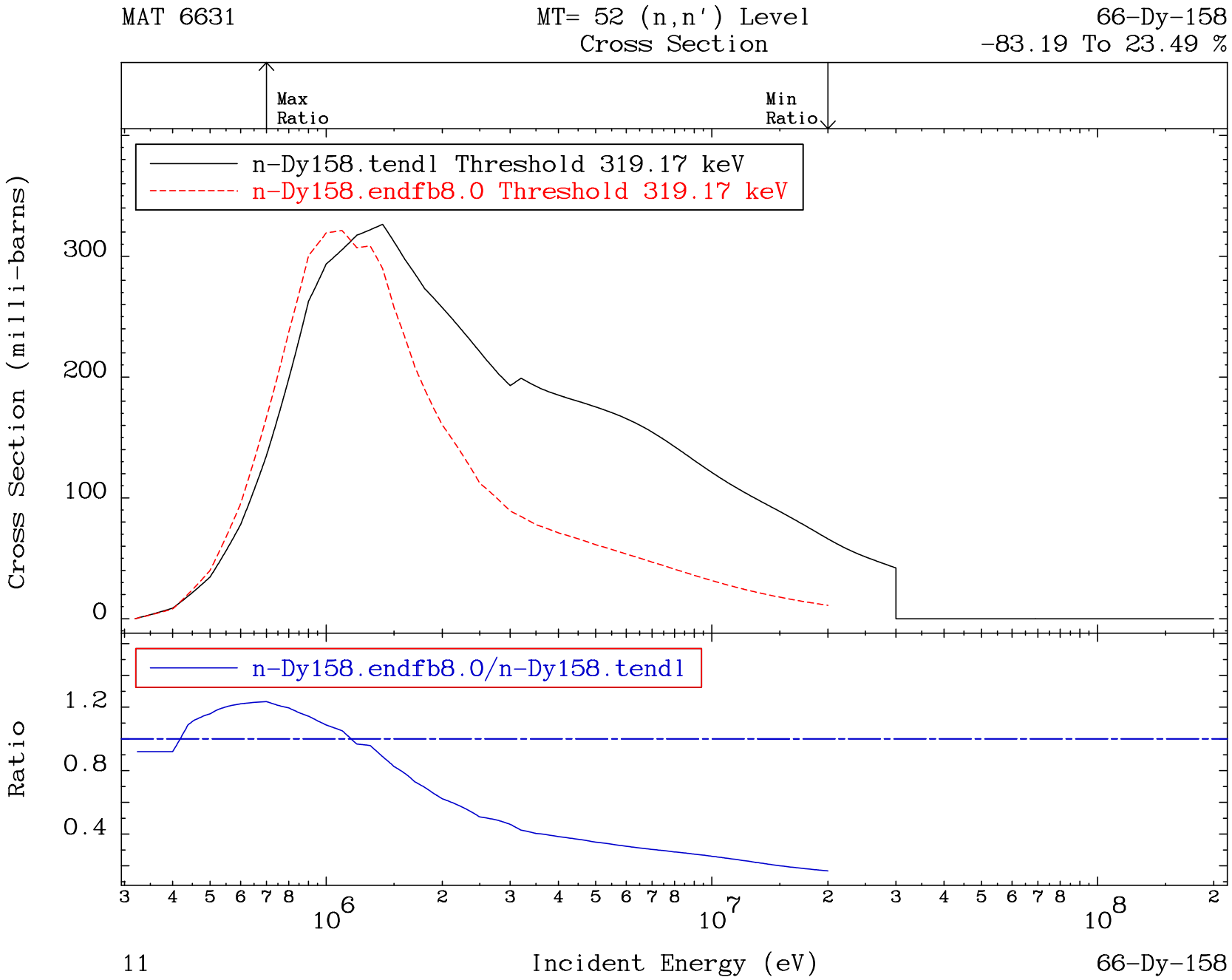

MAT 6631
(n,n') α
Cross Section
66-Dy-158
20.30 To 941.9 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 100.59 eV
n-Dy158.endfb8.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
12
8
4
10^2 2 3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
6
Incident Energy (eV)
66-Dy-158

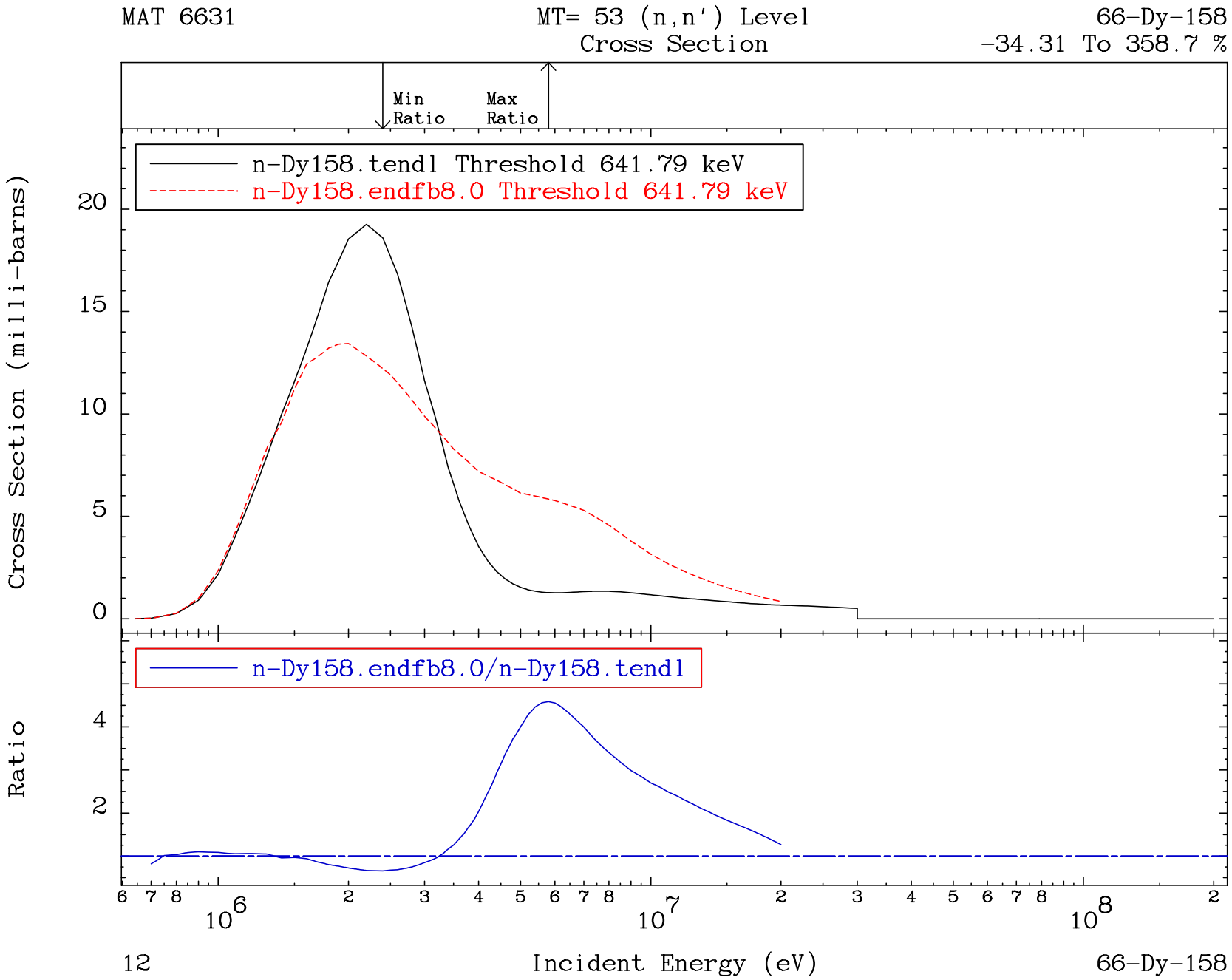

MAT 6631
(n,2n) α
Cross Section
66-Dy-158
298.3 To 890.1 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 8.0723 MeV
n-Dy158.endfb8.0 Threshold 15.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
4
6
8
10
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
66-Dy-158

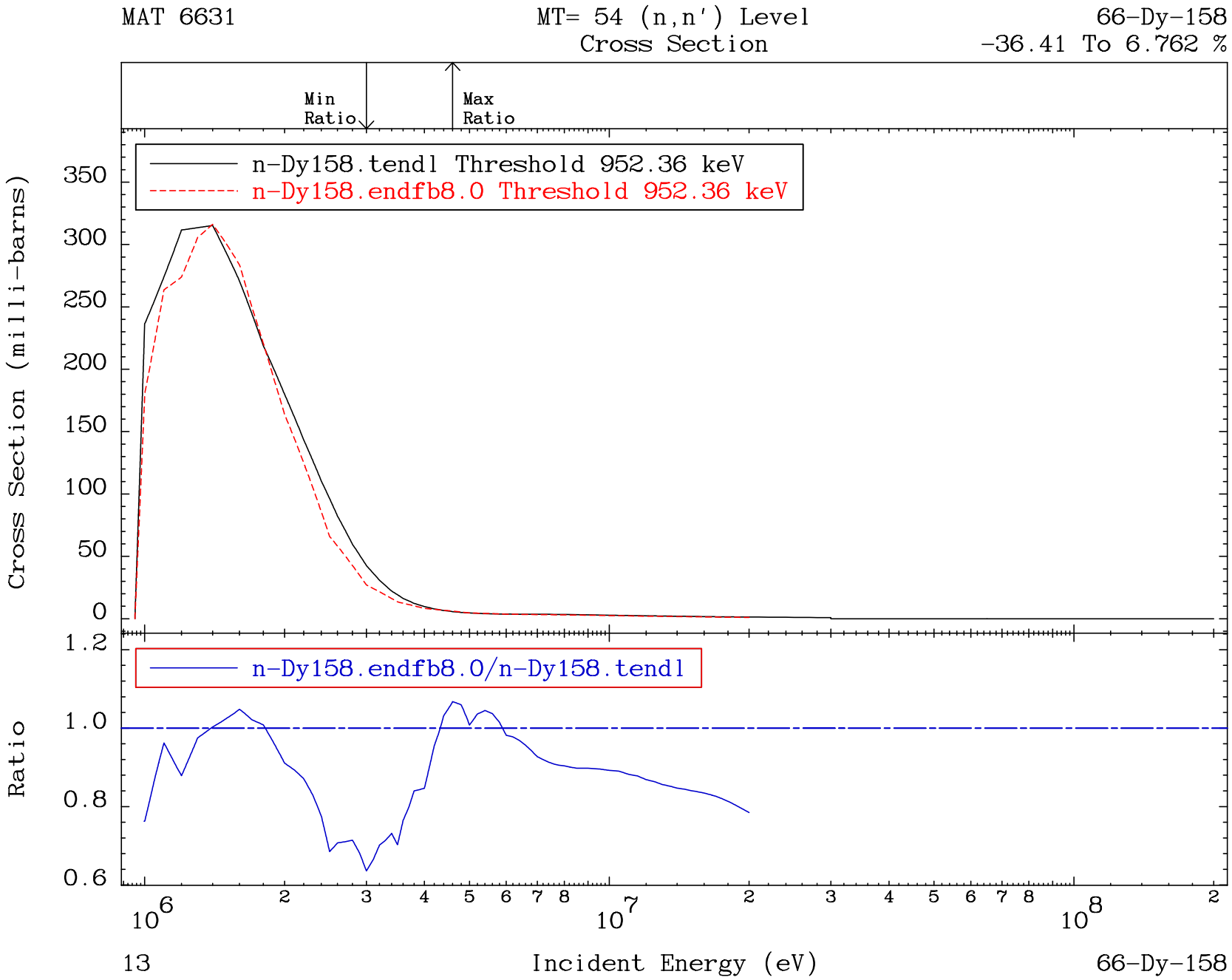

MAT 6631
(n,n') p
Cross Section
66-Dy-158
-96.68 To 822.0 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 6.9772 MeV
n-Dy158.endfb8.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^1
10^0
10^-1
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
66-Dy-158

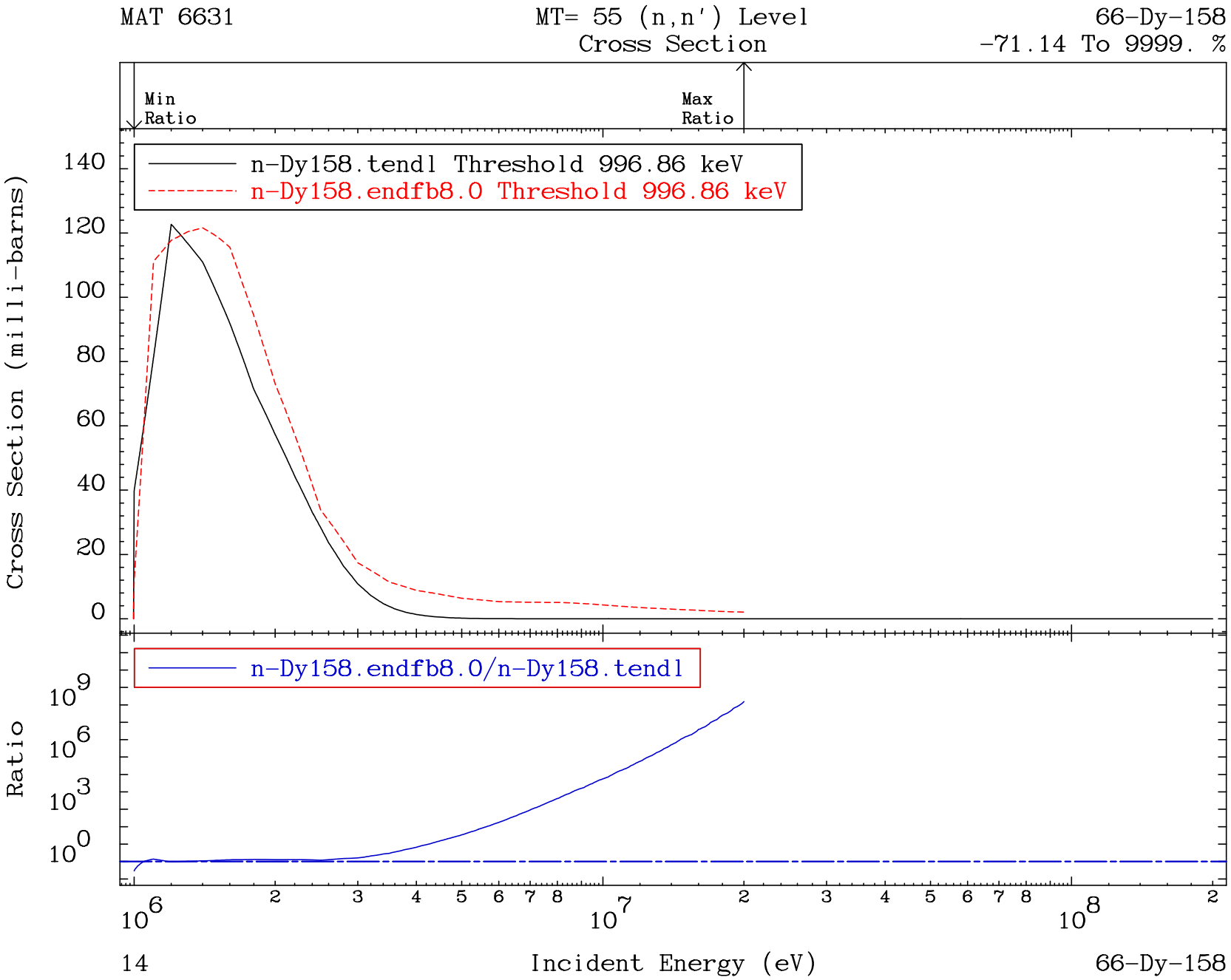

MAT 6631
(n,2n) p
Cross Section
66-Dy-158
-99.27 To -97.70%
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 15.777 MeV
n-Dy158.endfb8.0 Threshold 17.000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
0.025
0.020
0.015
0.010
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
66-Dy-158

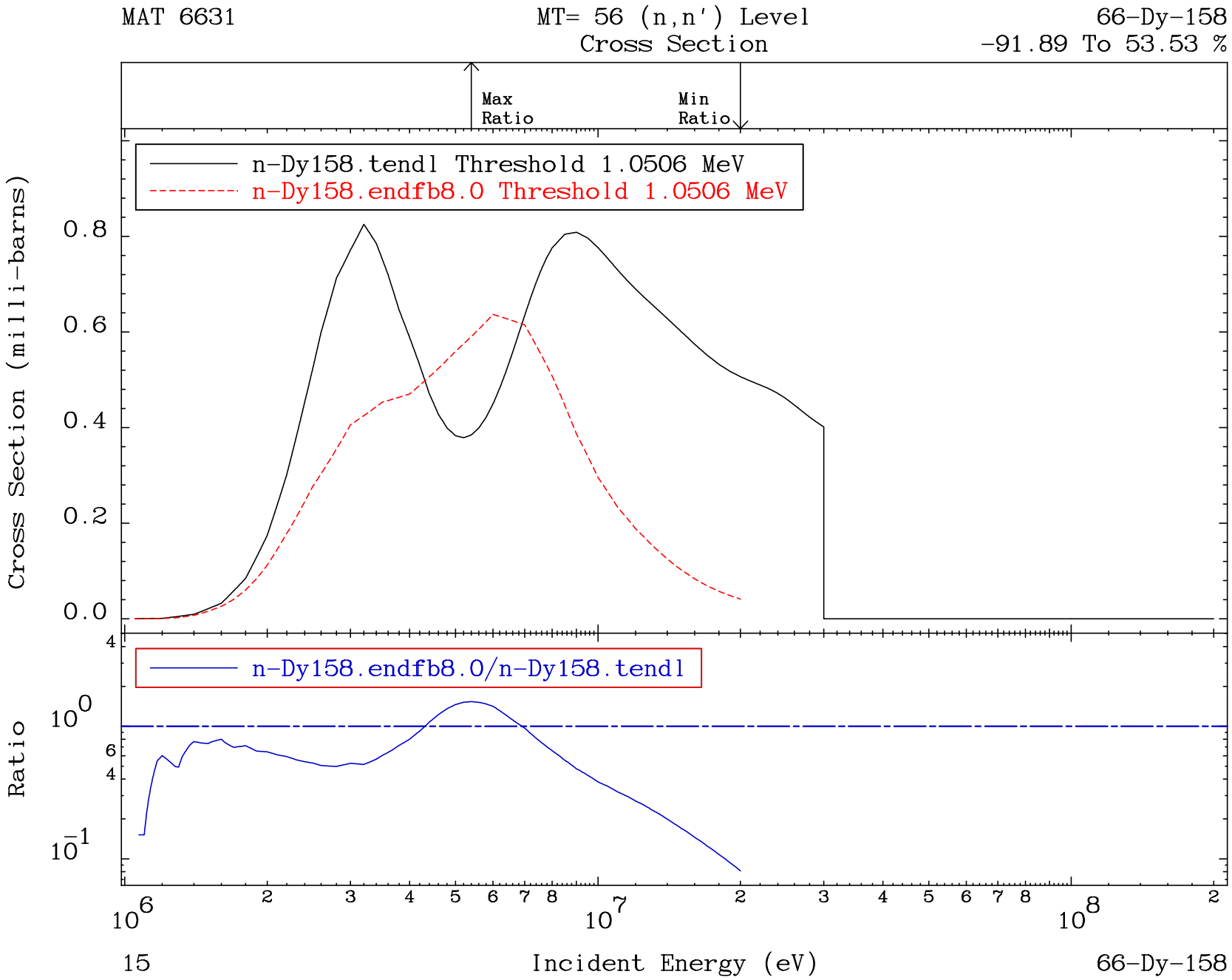

MAT 6631
MT= 51 (n,n') Level
Cross Section
66-Dy-158
-33.04 To 9143. %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 99.550 keV
n-Dy158.endfb8.0 Threshold 99.550 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^2
10^1
10^0
10^5
10^6
10^7
10^8
10
Incident Energy (eV)
66-Dy-158

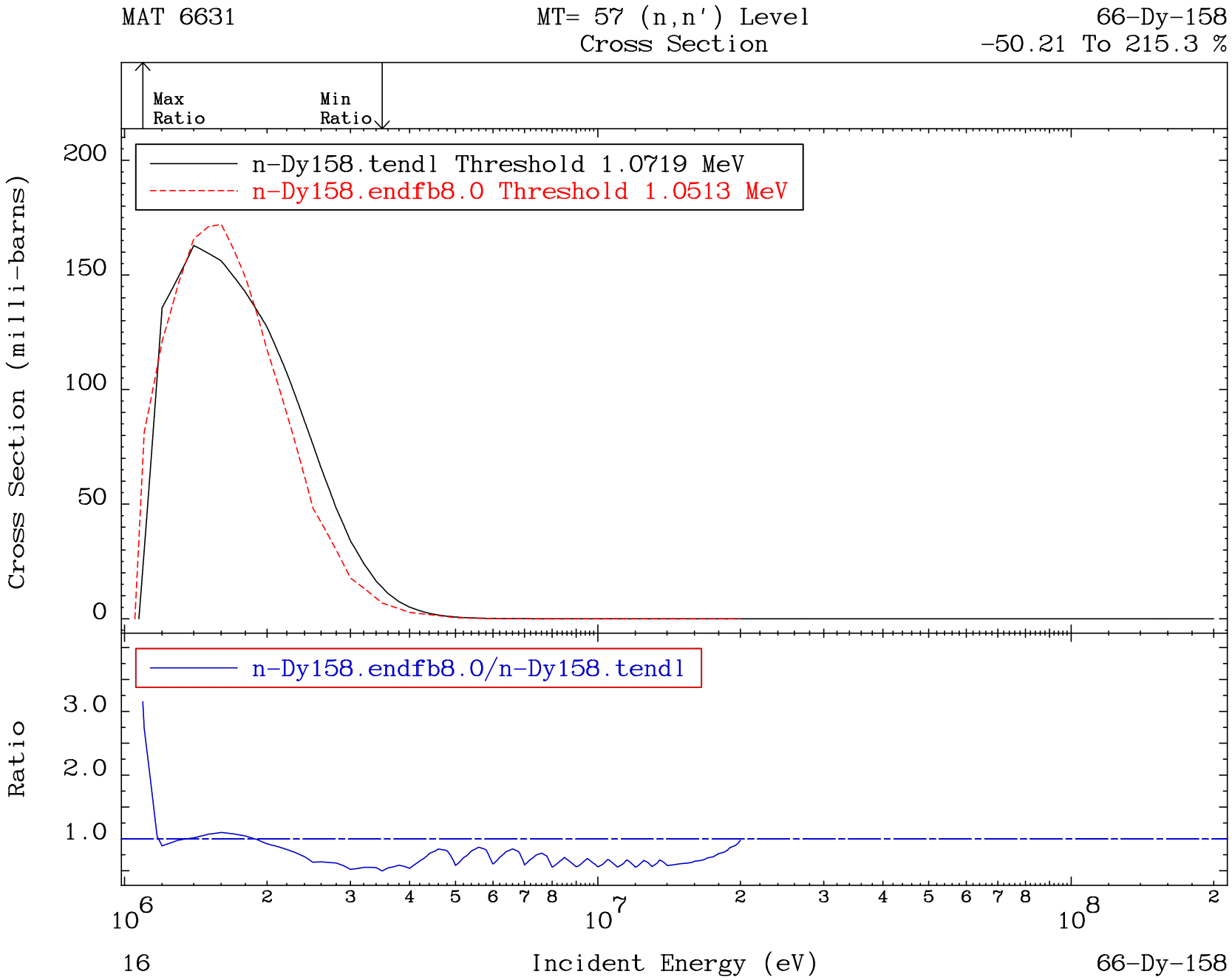

MAT 6631
MT= 52 (n,n') Level
Cross Section
66-Dy-158
-83.19 To 23.49 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 319.17 keV
n-Dy158.endfb8.0 Threshold 319.17 keV
Cross Section (milli-barns)
300
200
100
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
1.2
0.8
0.4
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
66-Dy-158

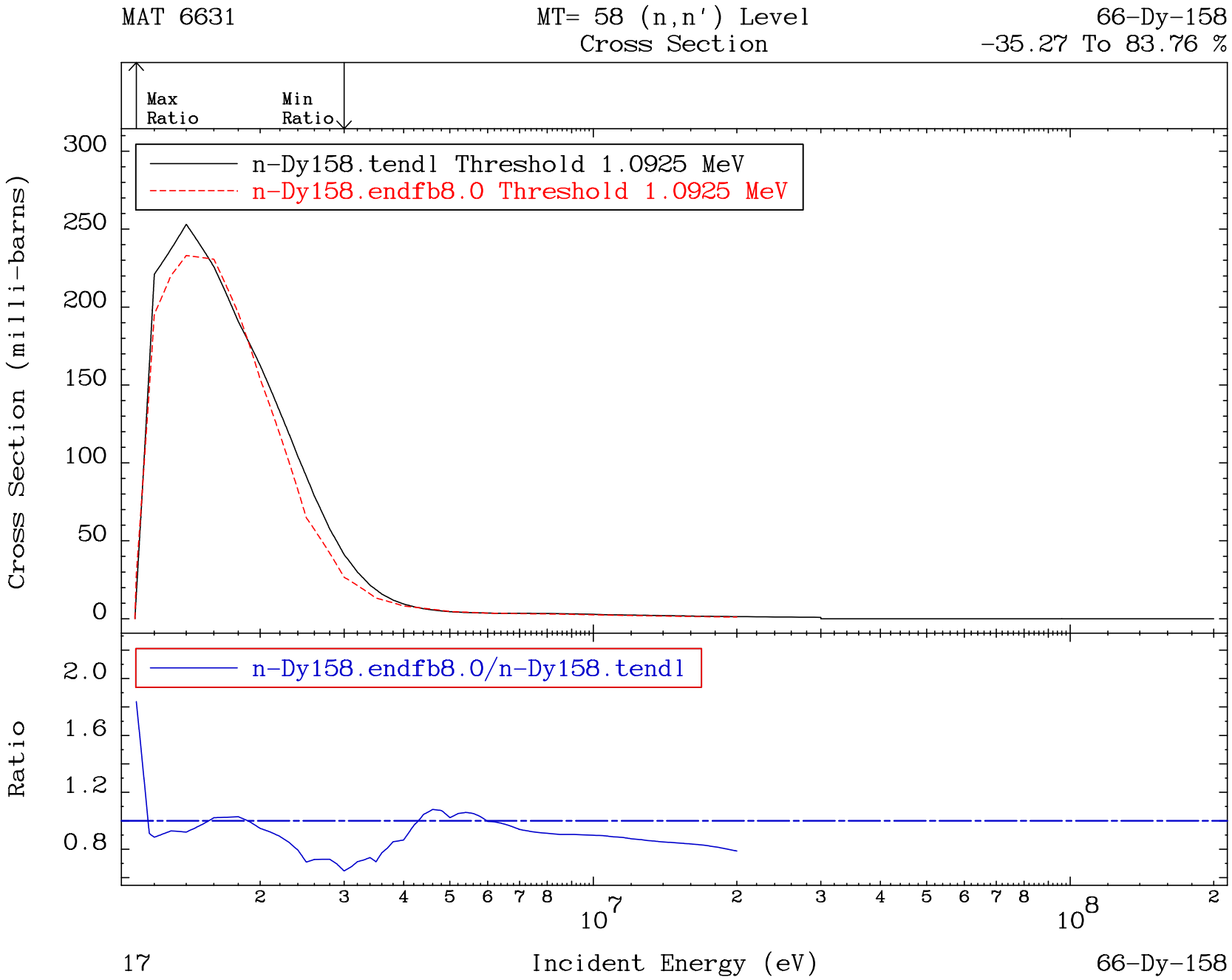

MAT 6631
MT= 53 (n,n') Level
Cross Section
66-Dy-158
-34.31 To 358.7 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 641.79 keV
n-Dy158.endfb8.0 Threshold 641.79 keV
Cross Section (milli-barns)
20
15
10
5
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
4
2
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
66-Dy-158

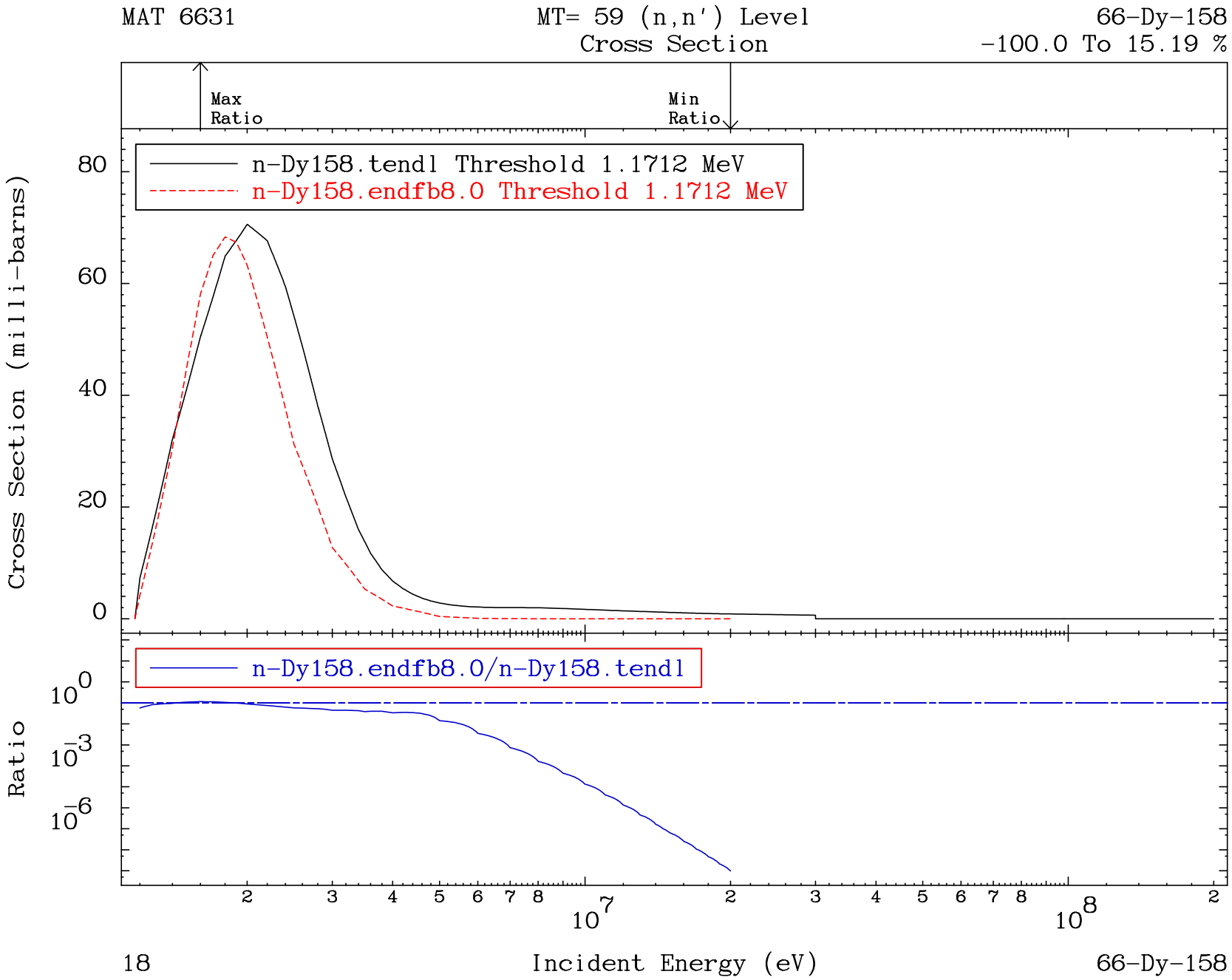

MAT 6631
MT= 54 (n,n') Level
Cross Section
66-Dy-158
-36.41 To 6.762 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 952.36 keV
n-Dy158.endfb8.0 Threshold 952.36 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
1.2
1.0
0.8
0.6
10^6
10^7
10^8
13
Incident Energy (eV)
66-Dy-158

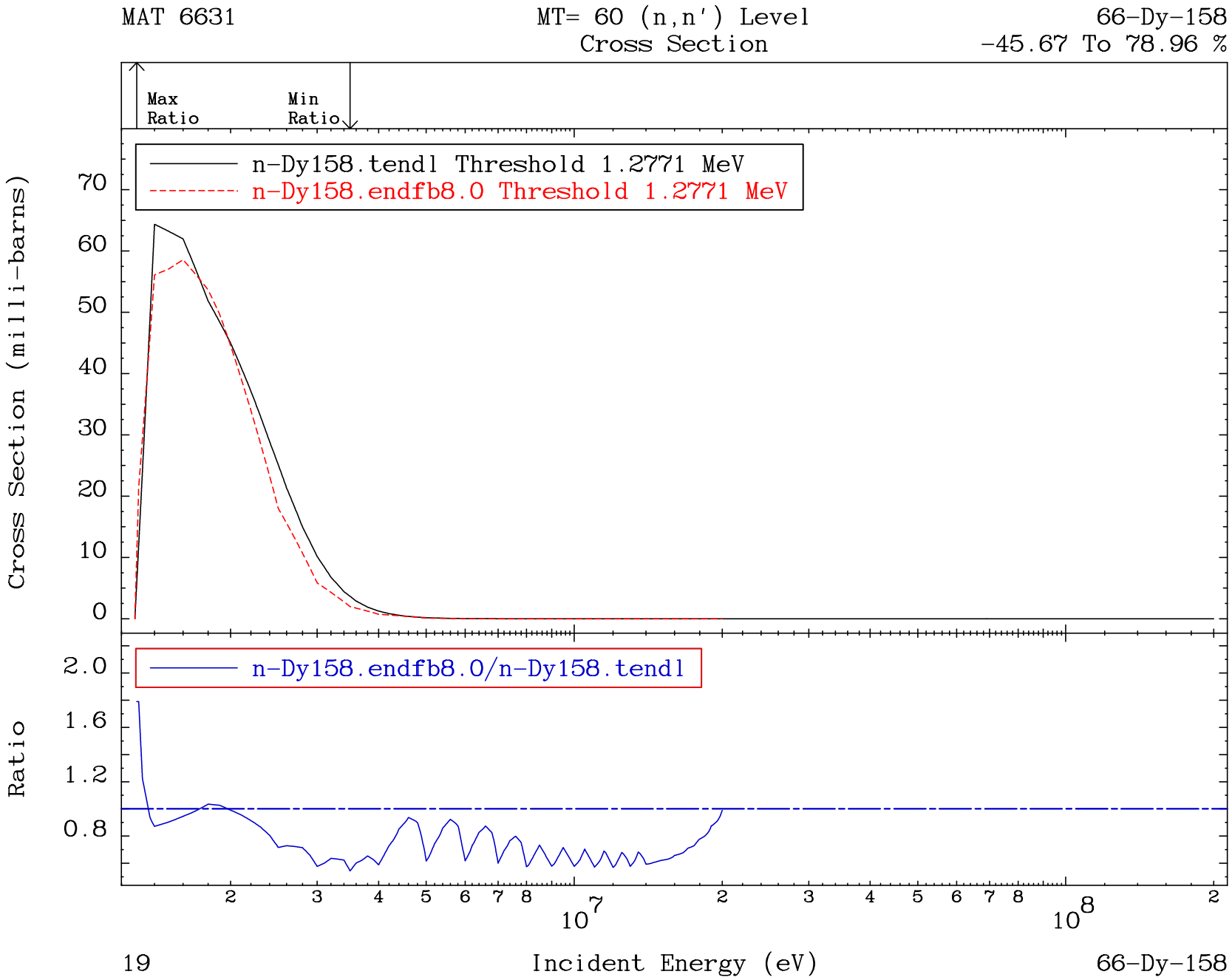

MAT 6631
MT= 55 (n,n') Level
Cross Section
66-Dy-158
-71.14 To 9999. %
Min
Ratio
Max
Ratio
n-Dy158.tendl Threshold 996.86 keV
n-Dy158.endfb8.0 Threshold 996.86 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^9
10^6
10^3
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
66-Dy-158

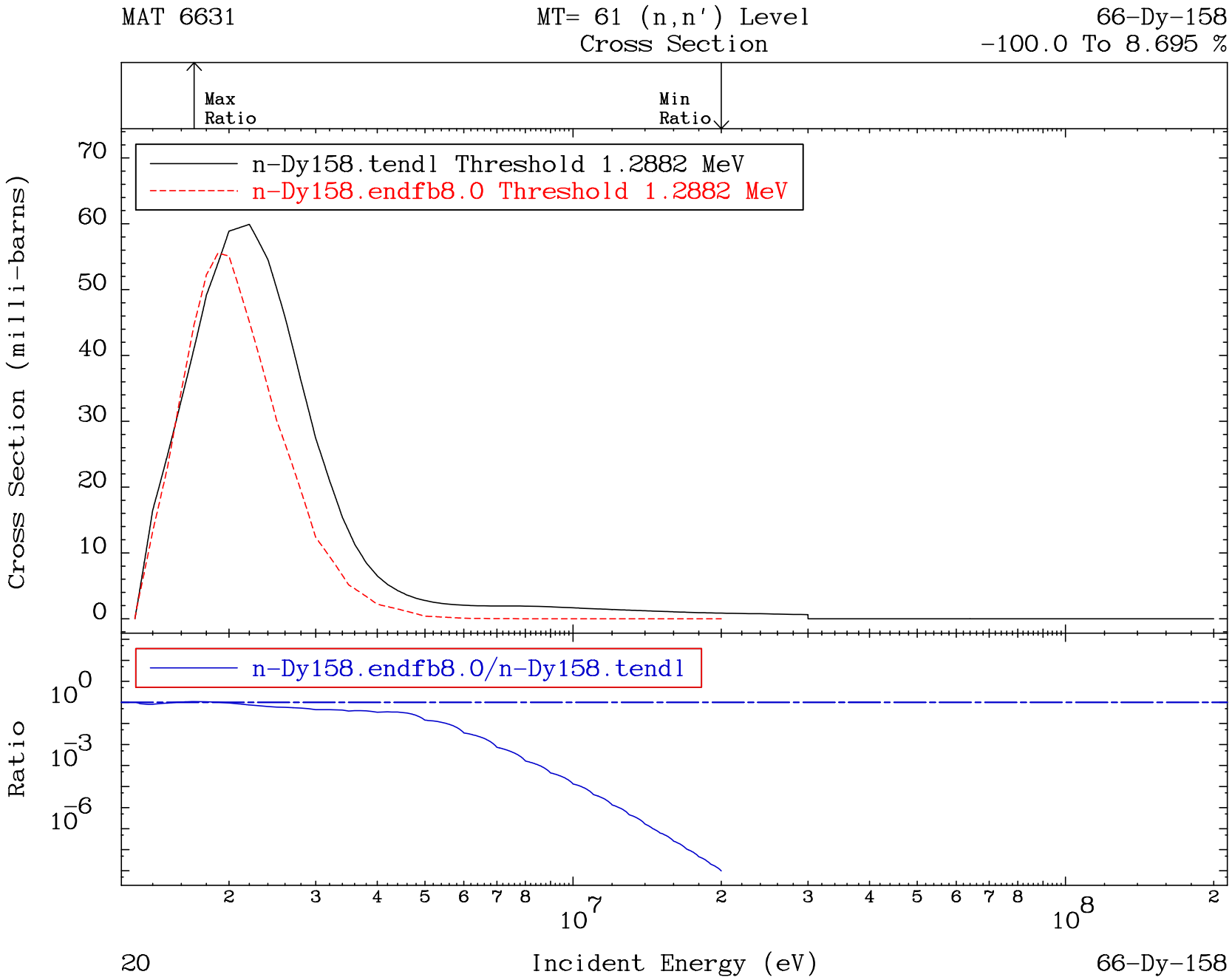

MAT 6631
MT= 56 (n,n') Level
Cross Section
66-Dy-158
-91.89 To 53.53 %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 1.0506 MeV
n-Dy158.endfb8.0 Threshold 1.0506 MeV
Cross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
4
10^0
6
4
10^-1
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
66-Dy-158

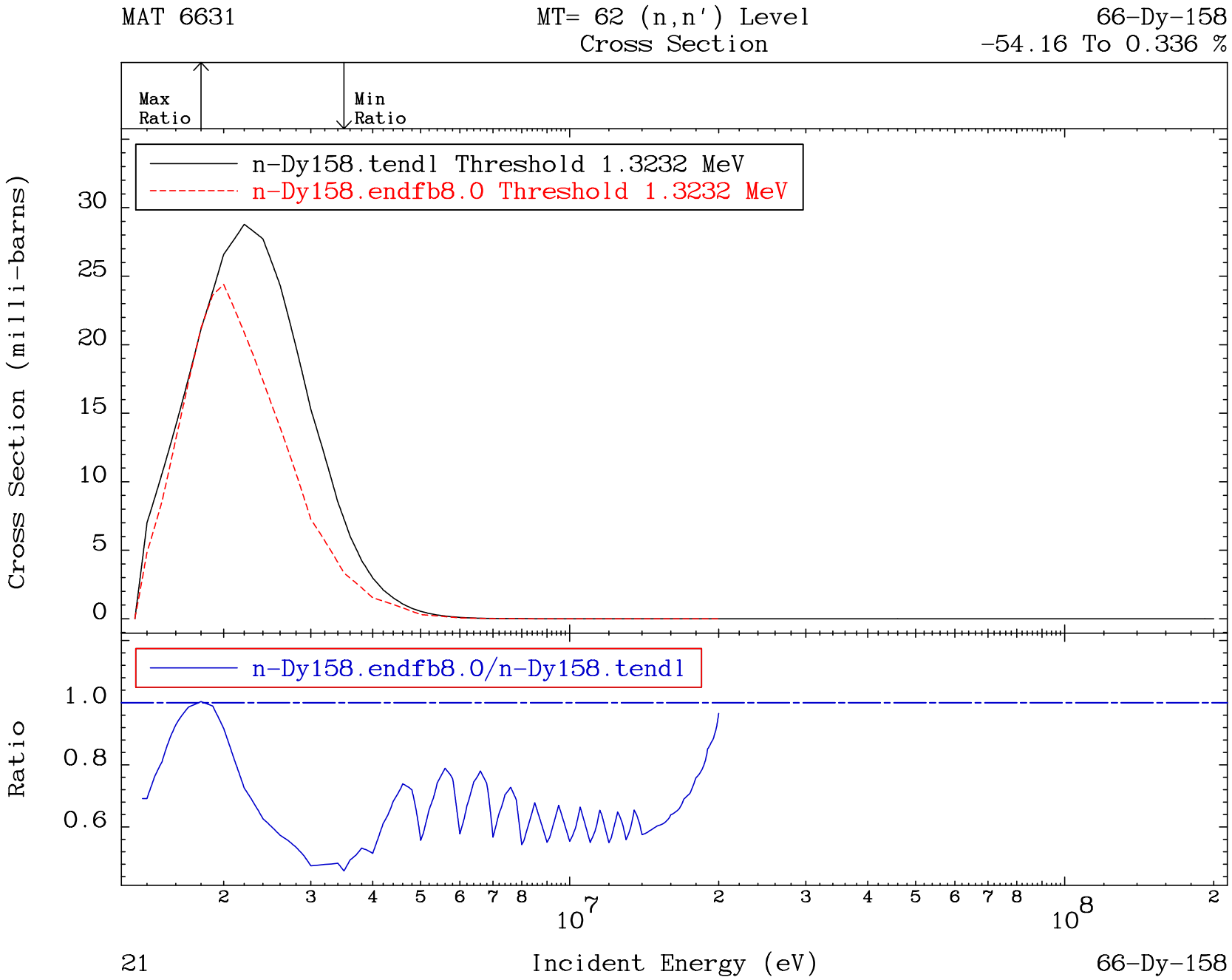

MAT 6631
MT= 57 (n,n') Level
Cross Section
66-Dy-158
-50.21 To 215.3 %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 1.0719 MeV
n-Dy158.endfb8.0 Threshold 1.0513 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
3.0
2.0
1.0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
66-Dy-158

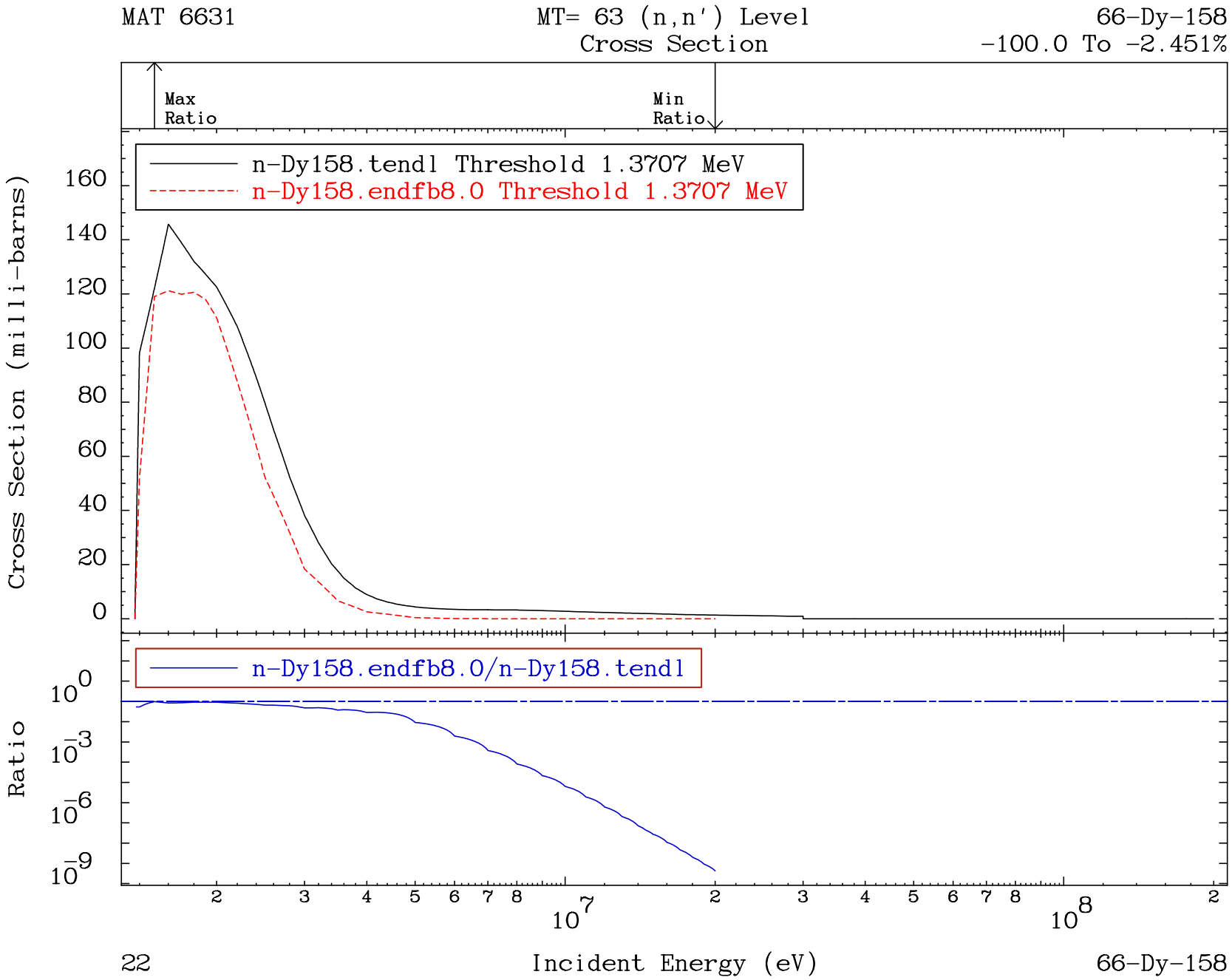

MAT 6631
MT= 58 (n,n') Level
Cross Section
66-Dy-158
-35.27 To 83.76 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.0925 MeV
n-Dy158.endfb8.0 Threshold 1.0925 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
2.0
1.6
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
66-Dy-158

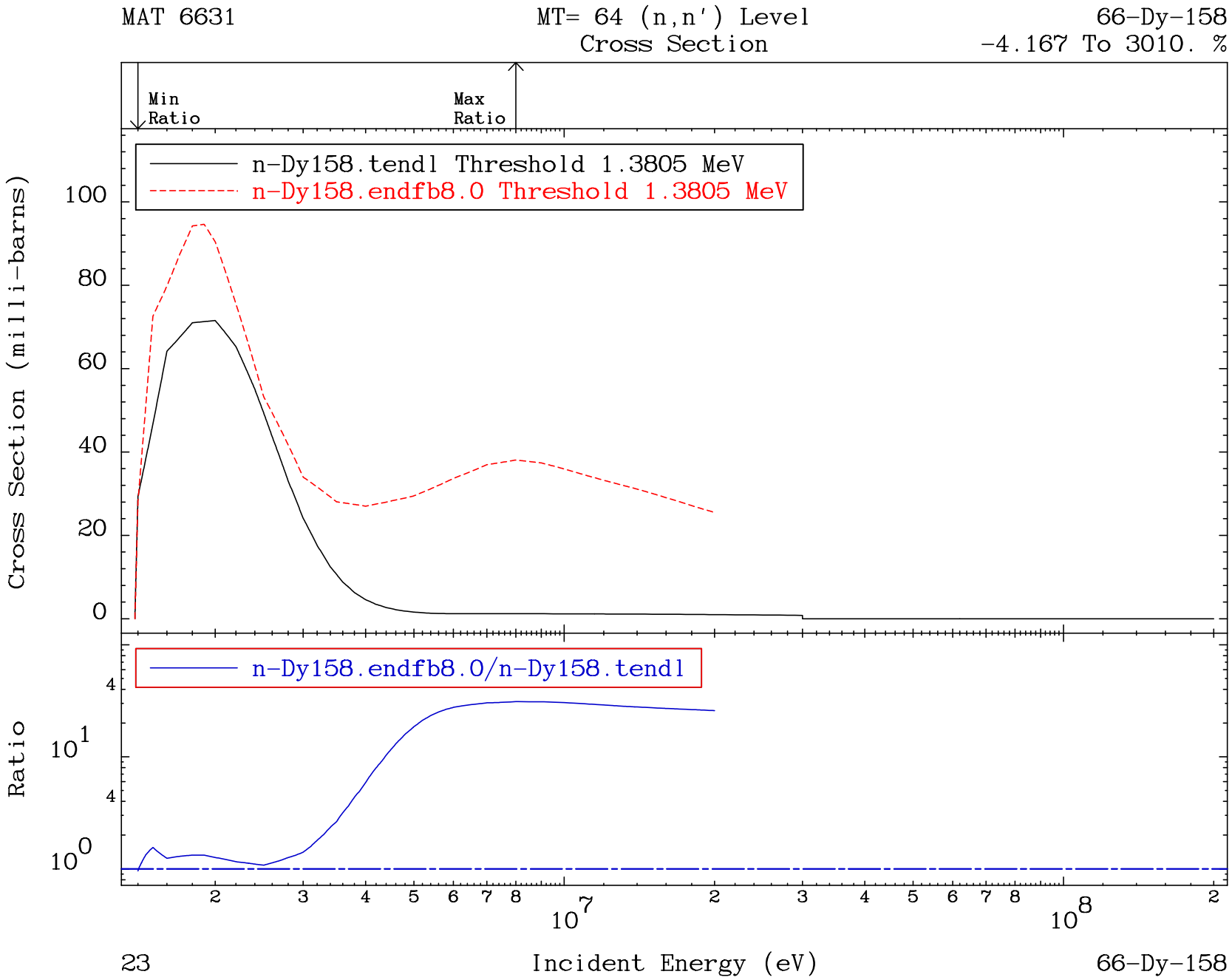

MAT 6631
MT= 59 (n,n') Level
Cross Section
66-Dy-158
-100.0 To 15.19 %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 1.1712 MeV
n-Dy158.endfb8.0 Threshold 1.1712 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
66-Dy-158

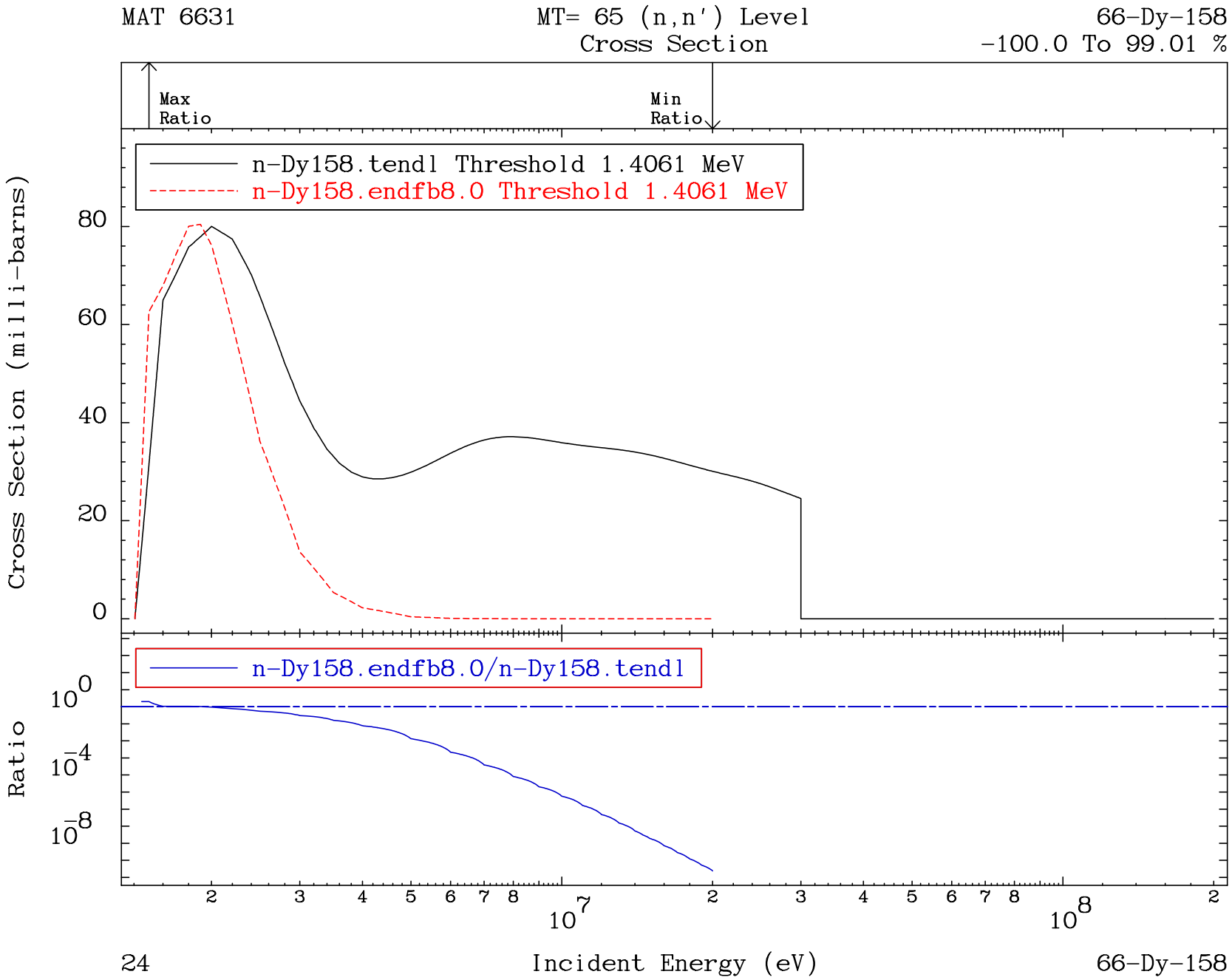

MAT 6631
MT= 60 (n,n') Level
Cross Section
66-Dy-158
-45.67 To 78.96 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.2771 MeV
n-Dy158.endfb8.0 Threshold 1.2771 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
66-Dy-158

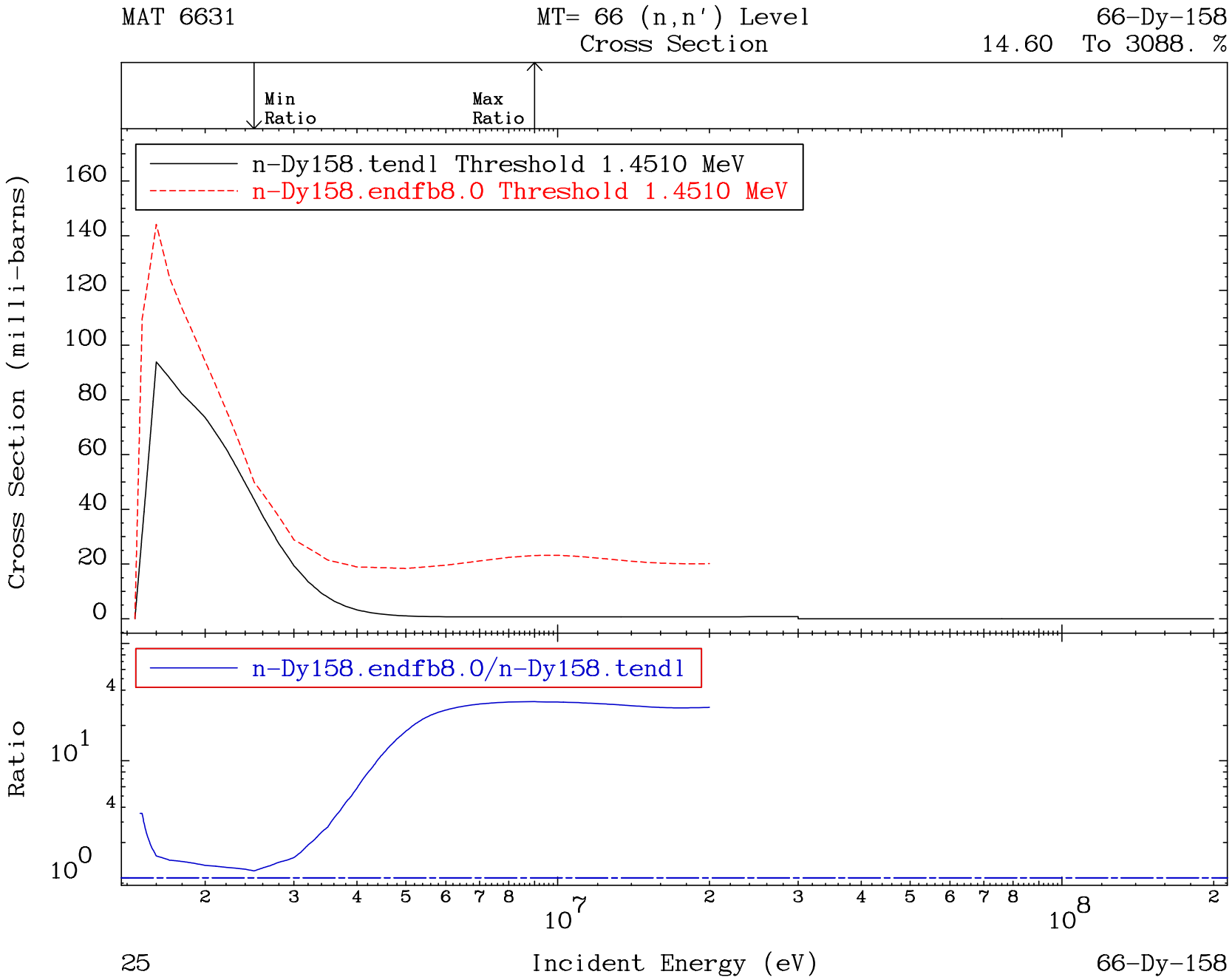

MAT 6631
MT= 61 (n,n') Level
Cross Section
66-Dy-158
-100.0 To 8.695 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.2882 MeV
n-Dy158.endfb8.0 Threshold 1.2882 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
66-Dy-158

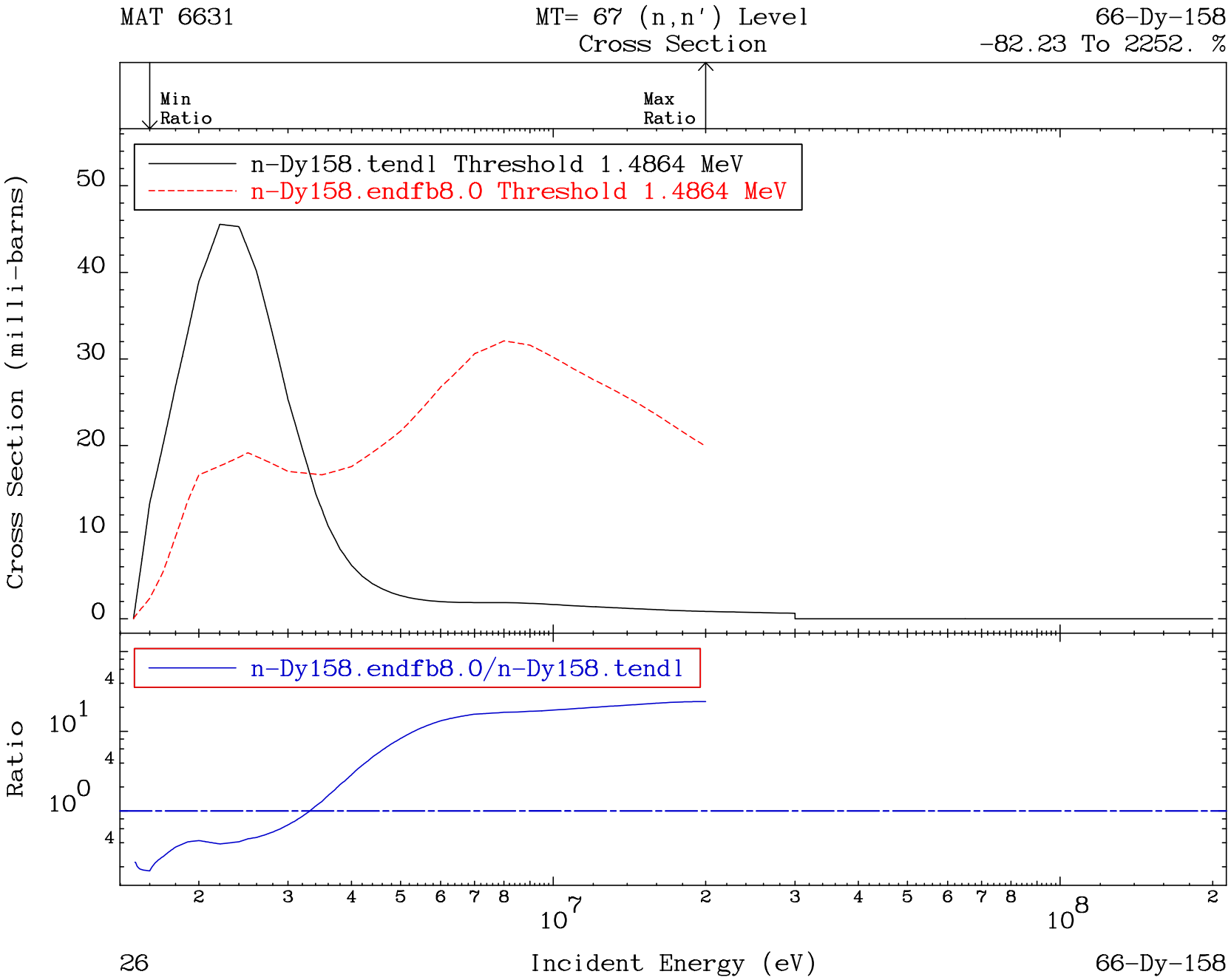

MAT 6631
MT= 62 (n,n') Level
Cross Section
66-Dy-158
-54.16 To 0.336 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.3232 MeV
n-Dy158.endfb8.0 Threshold 1.3232 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
66-Dy-158

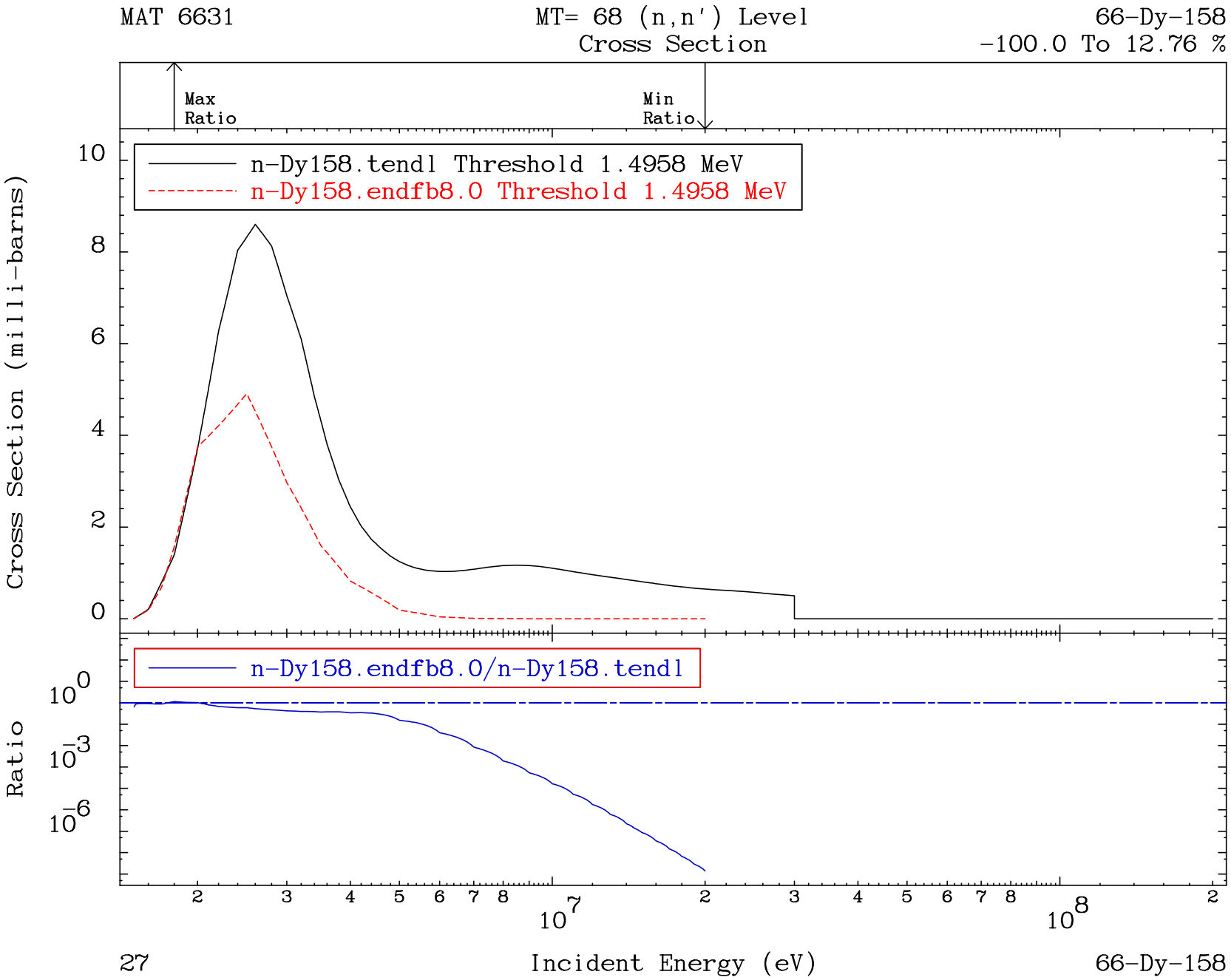

MAT 6631
MT= 63 (n,n') Level
Cross Section
66-Dy-158
-100.0 To -2.451%
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.3707 MeV
n-Dy158.endfb8.0 Threshold 1.3707 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
66-Dy-158

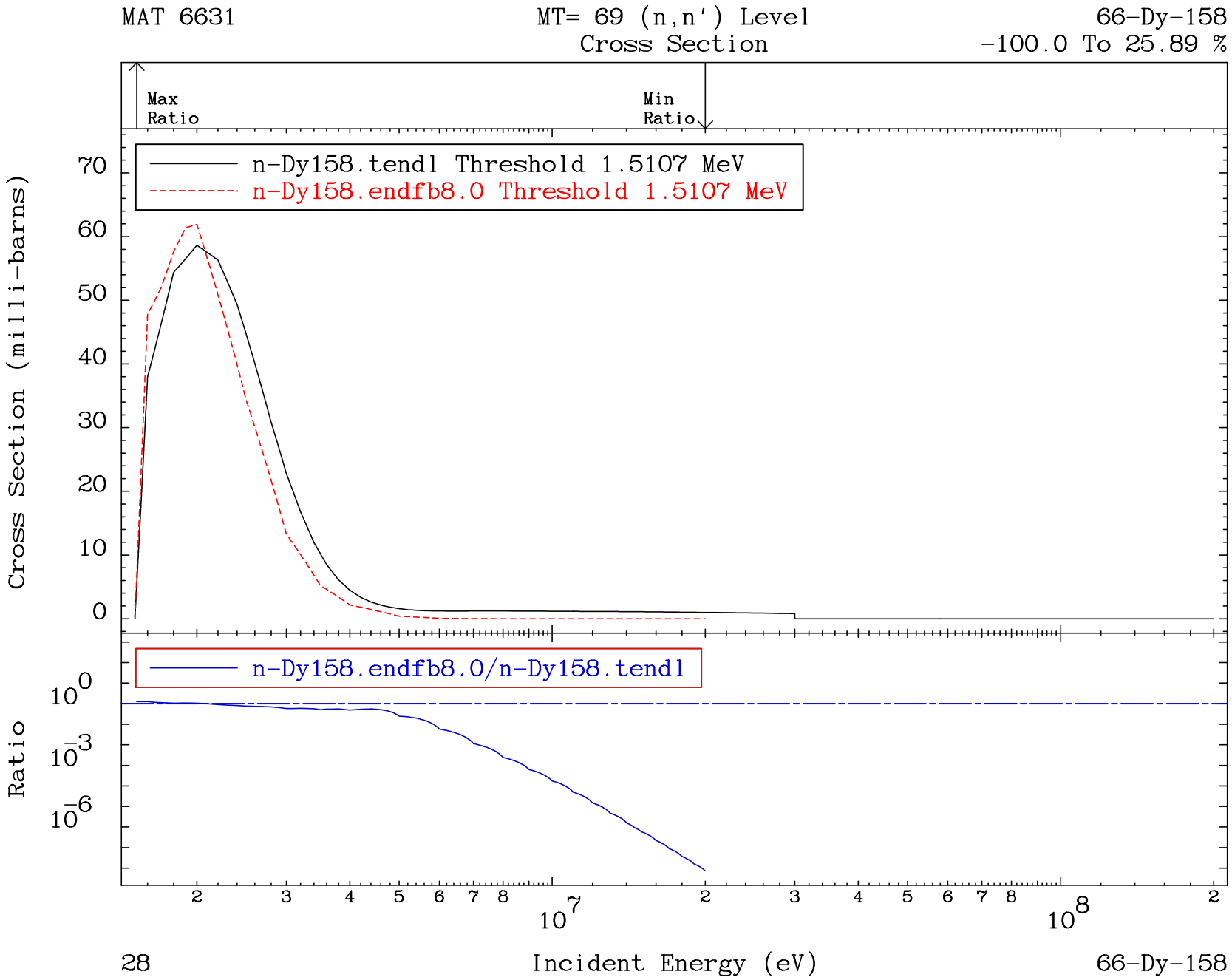

MAT 6631
MT= 64 (n,n') Level
Cross Section
66-Dy-158
-4.167 To 3010. %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 1.3805 MeV
n-Dy158.endfb8.0 Threshold 1.3805 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
4
$10^1$
4
$10^0$
2 3 4 5 6 7 8 $10^7$ 2 3 4 5 6 7 8 $10^8$ 2
23
Incident Energy (eV)
66-Dy-158

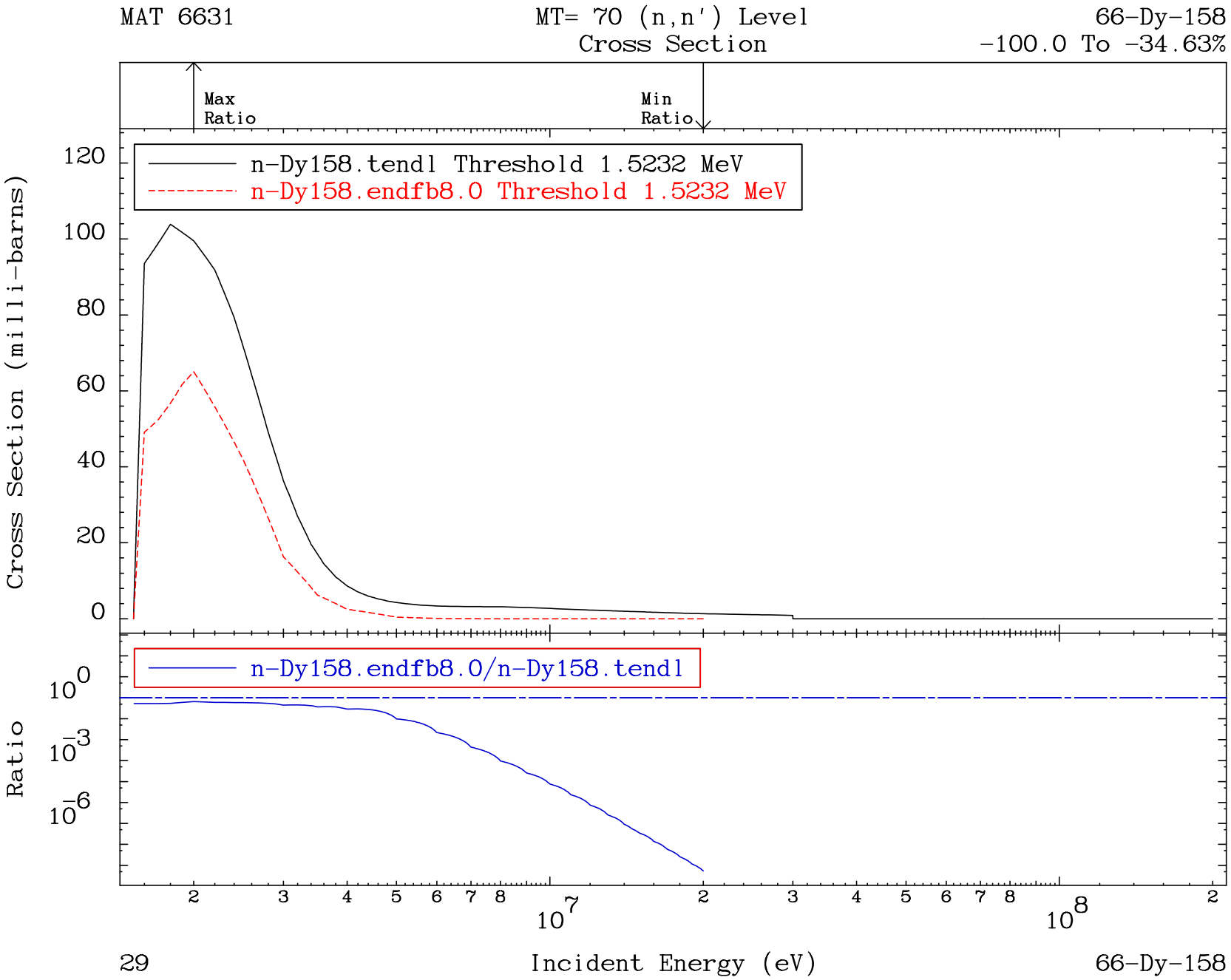

MAT 6631
MT= 65 (n,n') Level
Cross Section
66-Dy-158
-100.0 To 99.01 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.4061 MeV
n-Dy158.endfb8.0 Threshold 1.4061 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-4
10^-8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
66-Dy-158

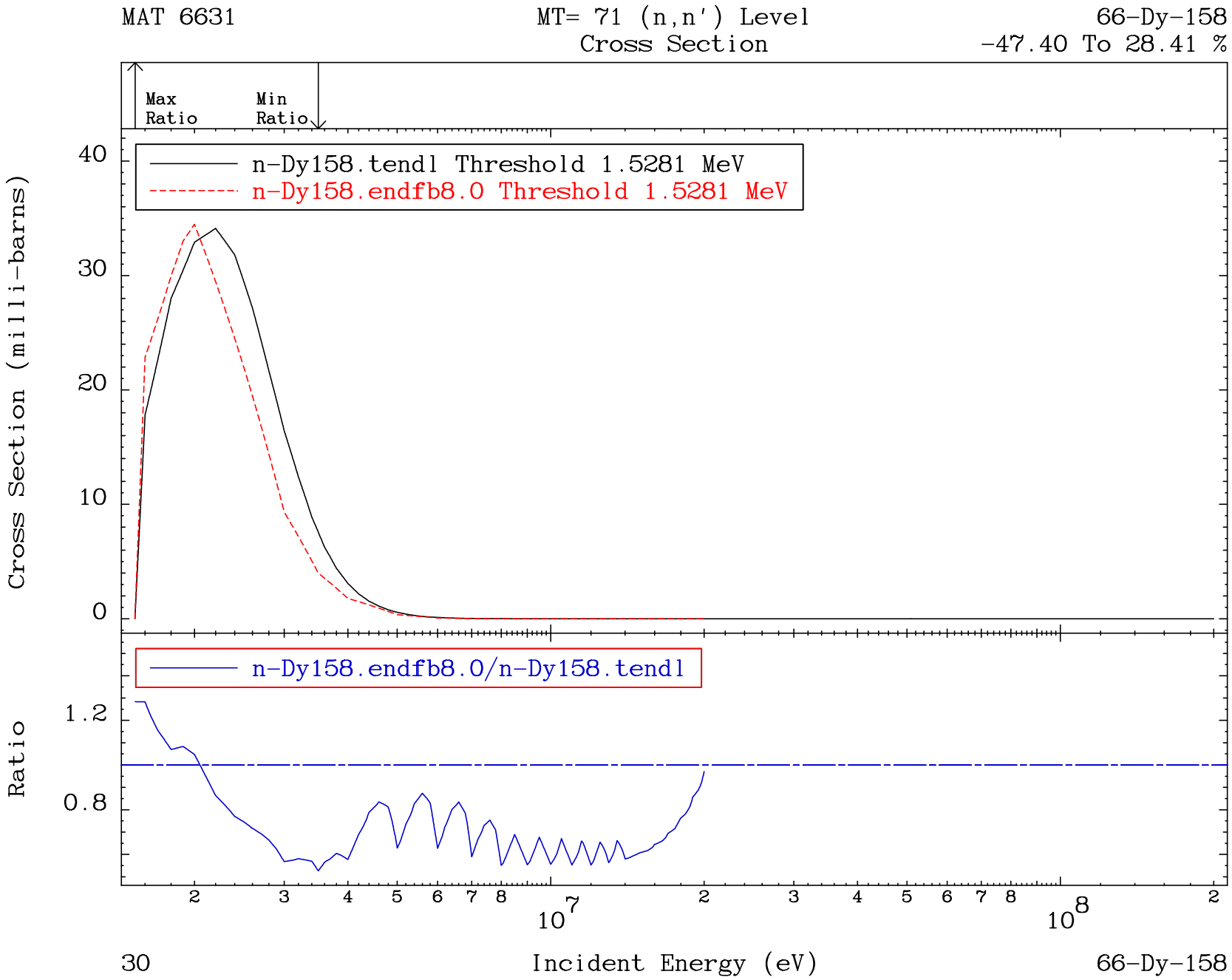

MAT 6631
MT= 66 (n,n') Level
Cross Section
66-Dy-158
14.60 To 3088. %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 1.4510 MeV
n-Dy158.endfb8.0 Threshold 1.4510 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
4
10^1
4
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
66-Dy-158

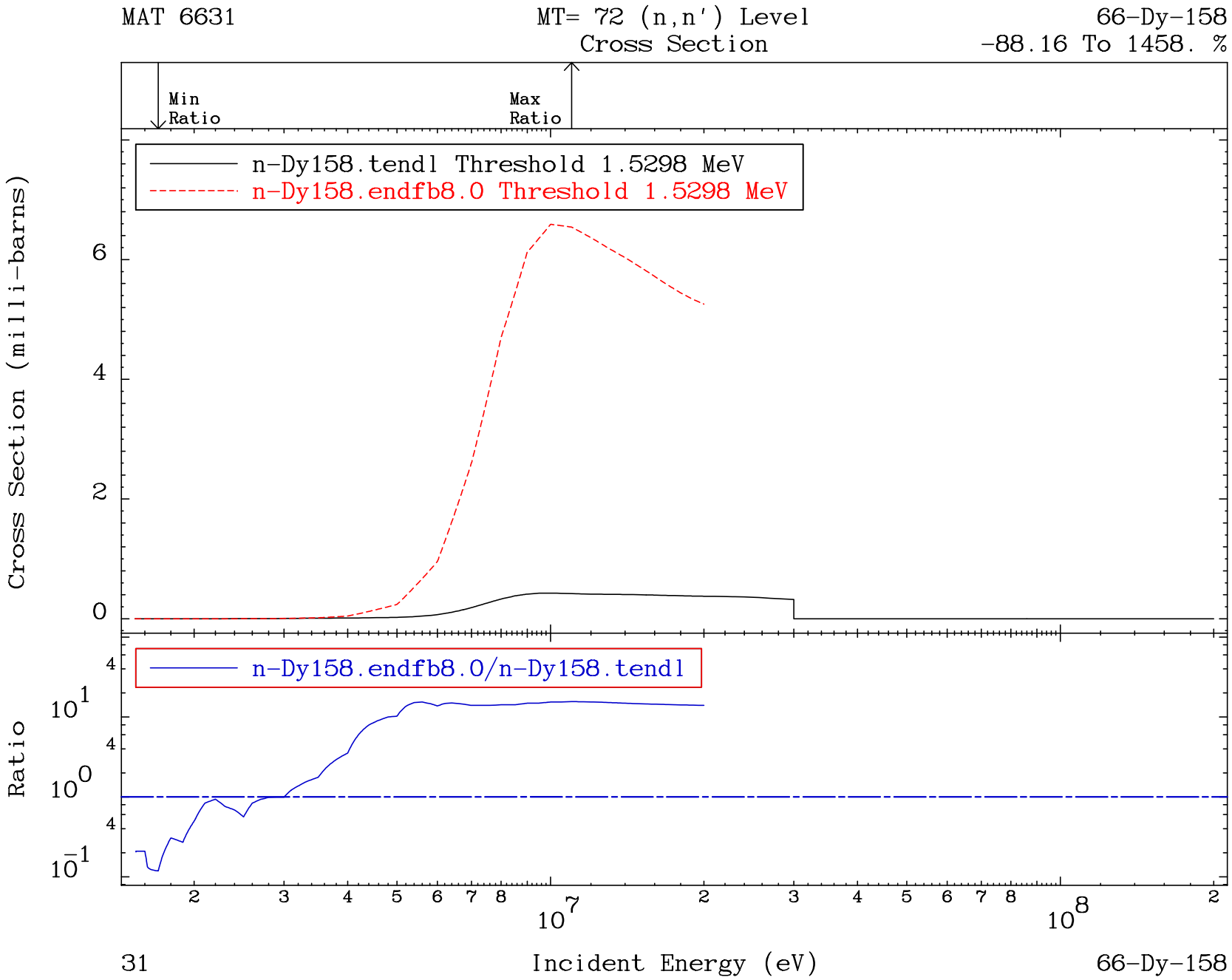

MAT 6631
MT= 67 (n,n') Level
Cross Section
66-Dy-158
-82.23 To 2252. %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 1.4864 MeV
n-Dy158.endfb8.0 Threshold 1.4864 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^1
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
66-Dy-158

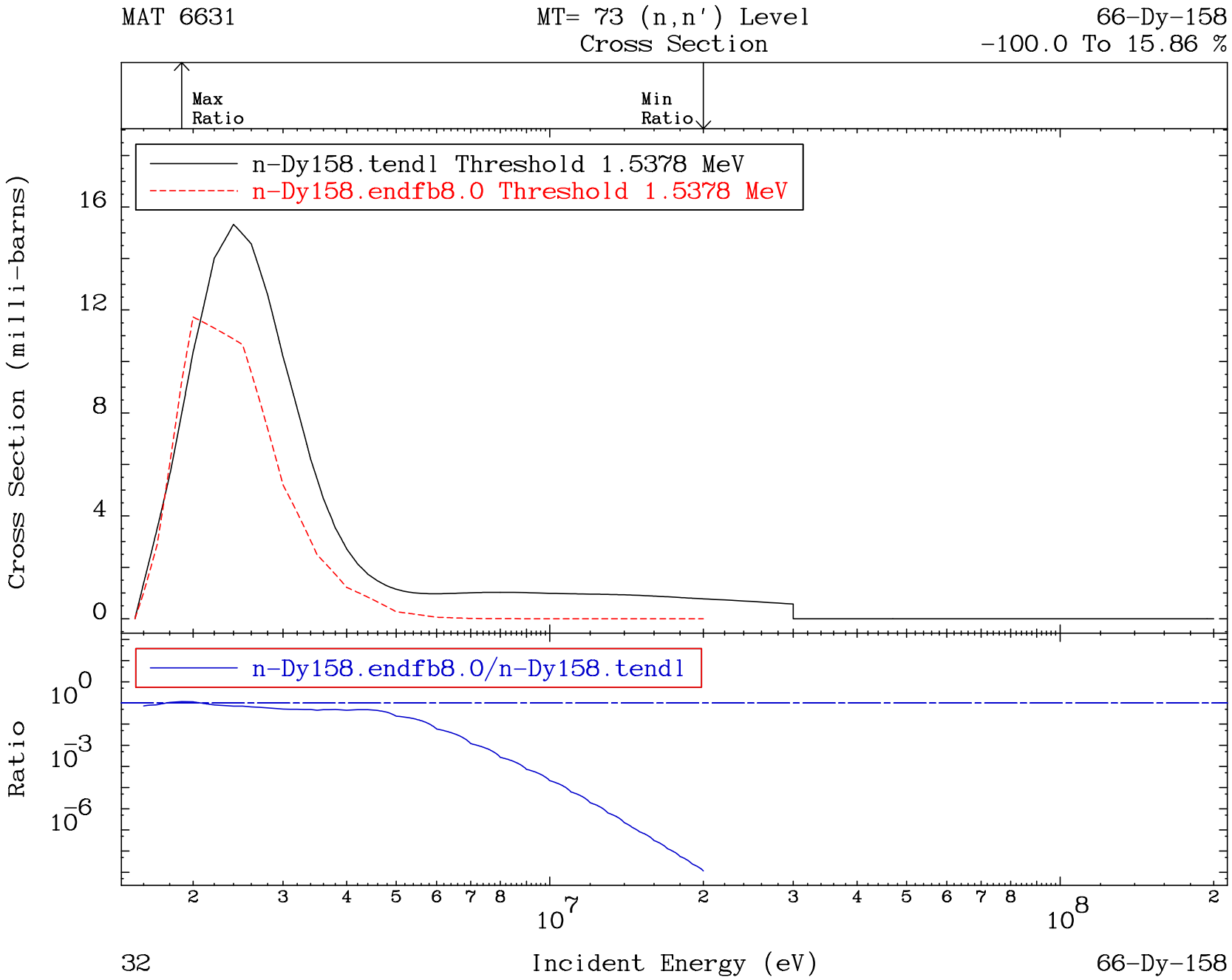

MAT 6631
MT= 68 (n,n') Level
Cross Section
66-Dy-158
-100.0 To 12.76 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.4958 MeV
n-Dy158.endfb8.0 Threshold 1.4958 MeV
Cross Section (milli-barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
27
66-Dy-158

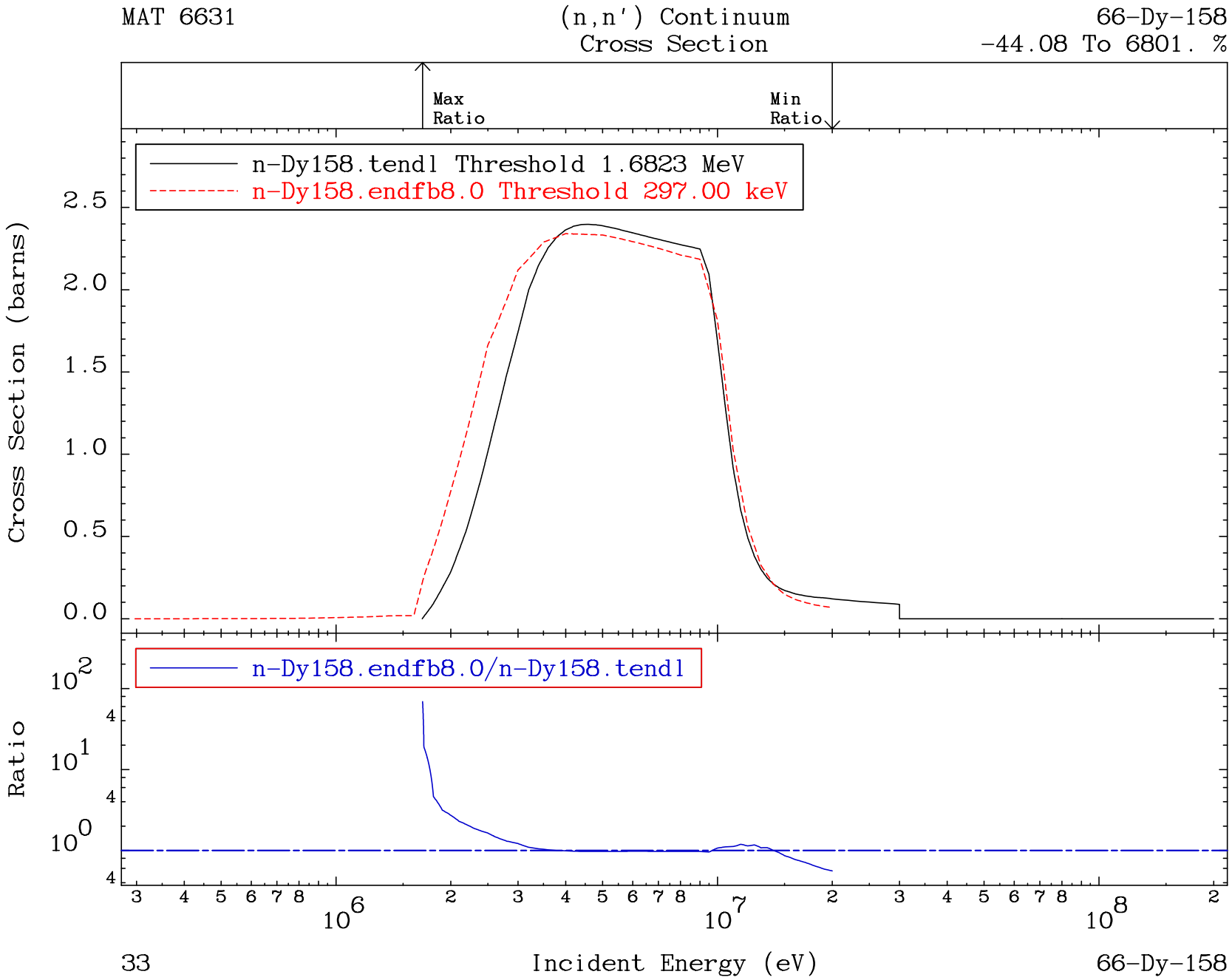

MAT 6631
MT= 69 (n,n') Level
Cross Section
66-Dy-158
-100.0 To 25.89 %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 1.5107 MeV
n-Dy158.endfb8.0 Threshold 1.5107 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
66-Dy-158

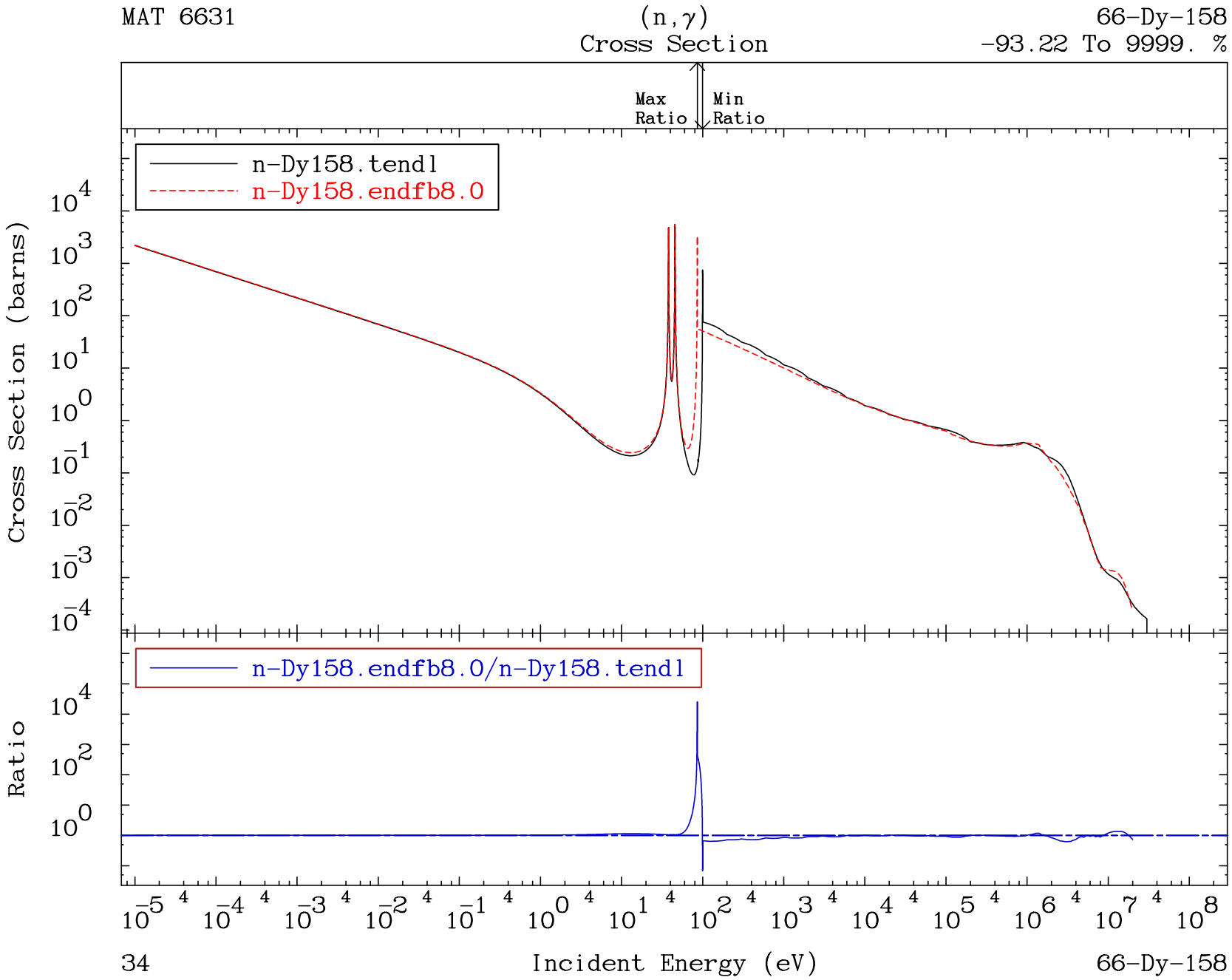

MAT 6631
MT= 70 (n,n') Level
Cross Section
66-Dy-158
-100.0 To -34.63%
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 1.5232 MeV
n-Dy158.endfb8.0 Threshold 1.5232 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
66-Dy-158

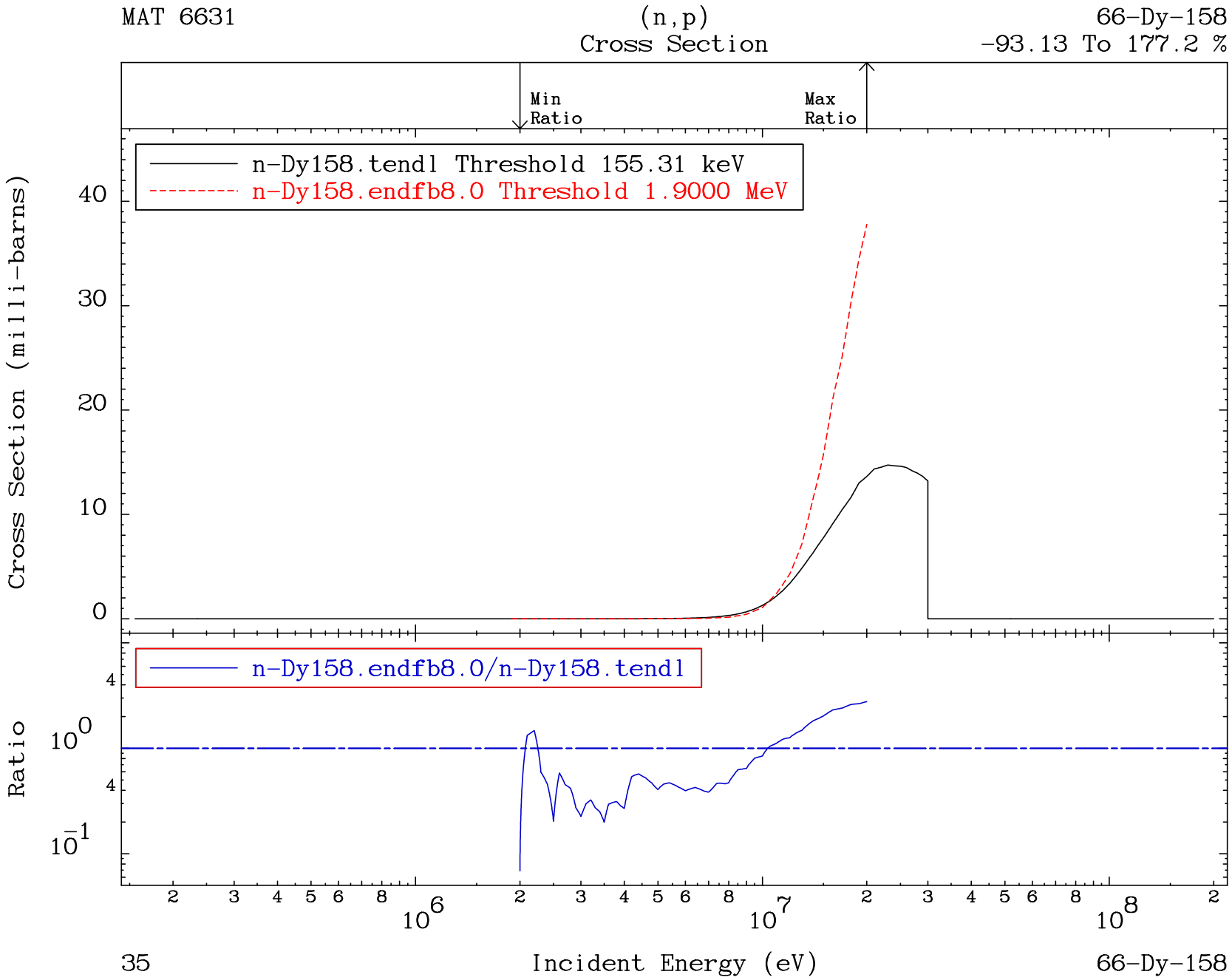

MAT 6631
MT= 71 (n,n') Level
Cross Section
66-Dy-158
-47.40 To 28.41 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.5281 MeV
n-Dy158.endfb8.0 Threshold 1.5281 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
1.2
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
66-Dy-158

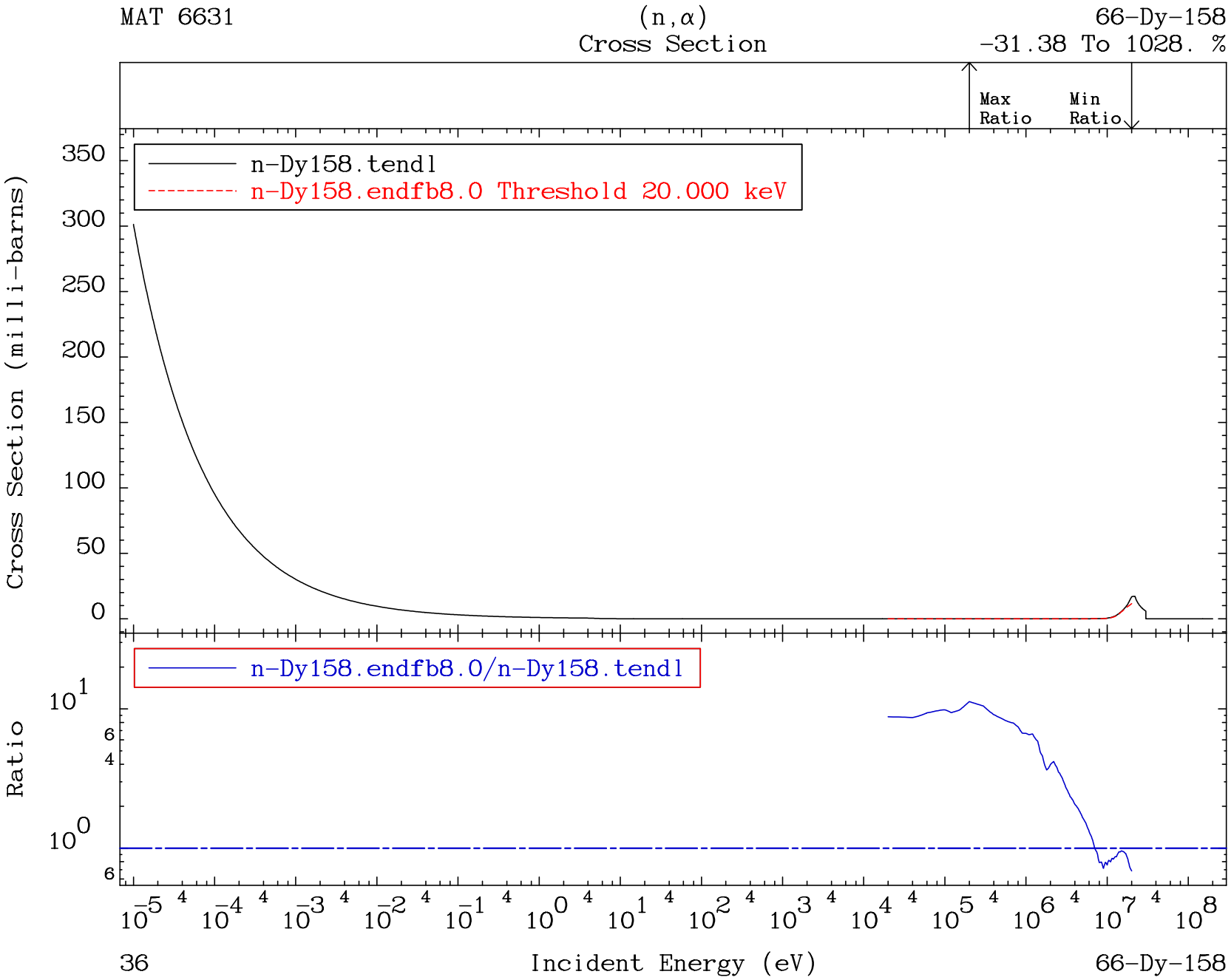

MAT 6631
MT= 72 (n,n') Level
Cross Section
66-Dy-158
-88.16 To 1458. %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 1.5298 MeV
n-Dy158.endfb8.0 Threshold 1.5298 MeV
Cross Section (milli-barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
31
66-Dy-158

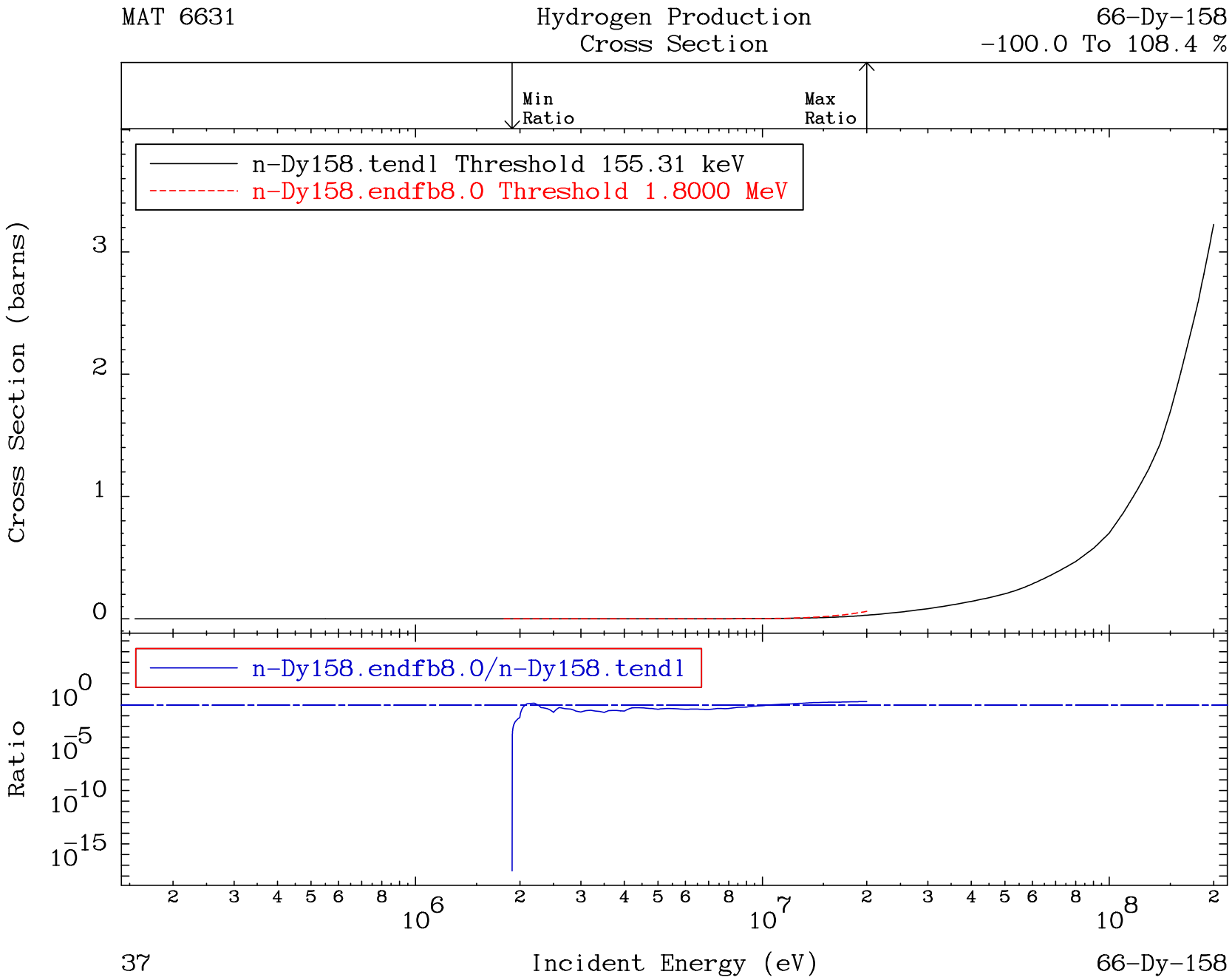

MAT 6631
MT= 73 (n,n') Level
Cross Section
66-Dy-158
-100.0 To 15.86 %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 1.5378 MeV
n-Dy158.endfb8.0 Threshold 1.5378 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
66-Dy-158

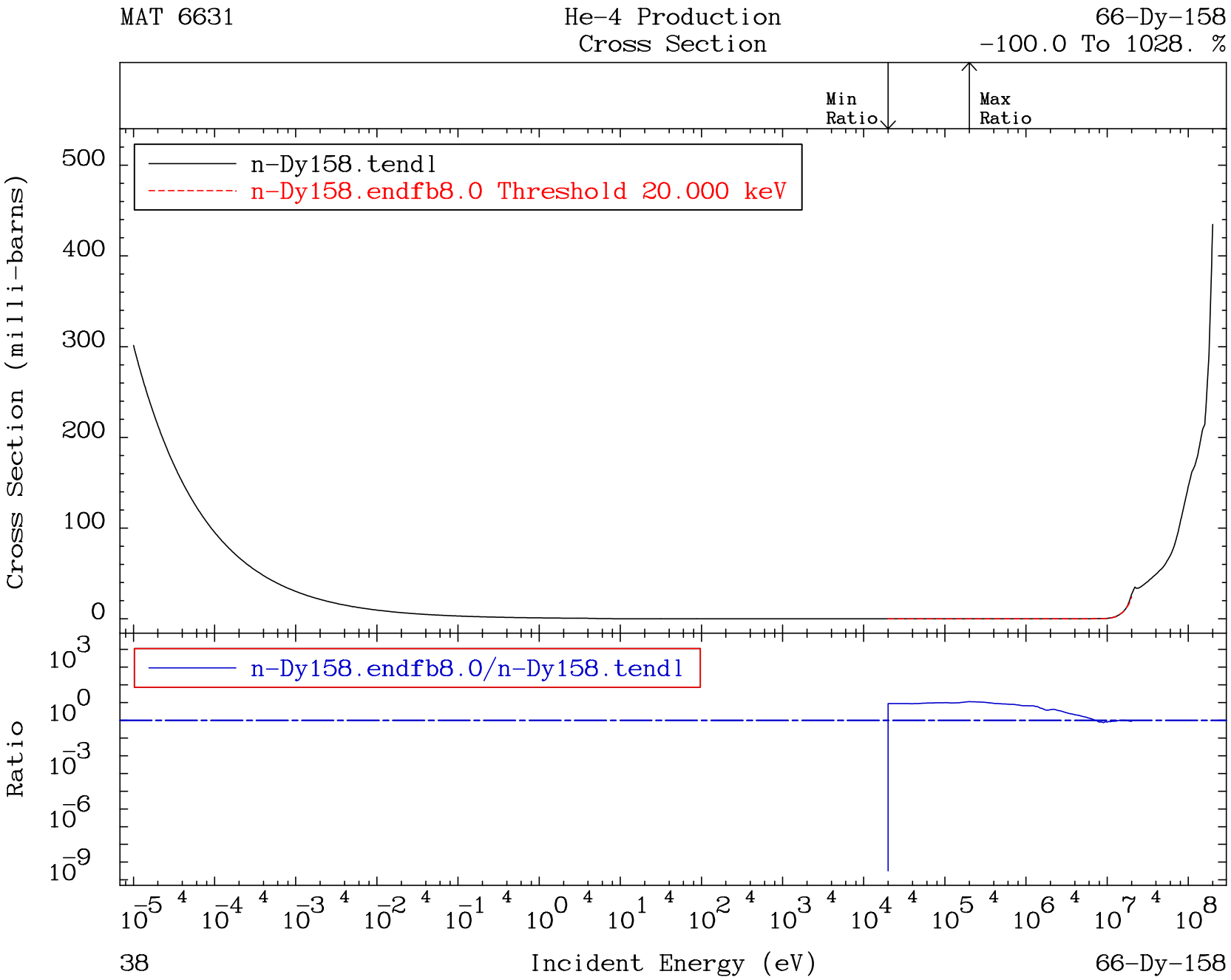

MAT 6631
(n,n') Continuum
Cross Section
66-Dy-158
-44.08 To 6801. %
Max
Ratio
Min
Ratio
n-Dy158.tendl Threshold 1.6823 MeV
n-Dy158.endfb8.0 Threshold 297.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
66-Dy-158

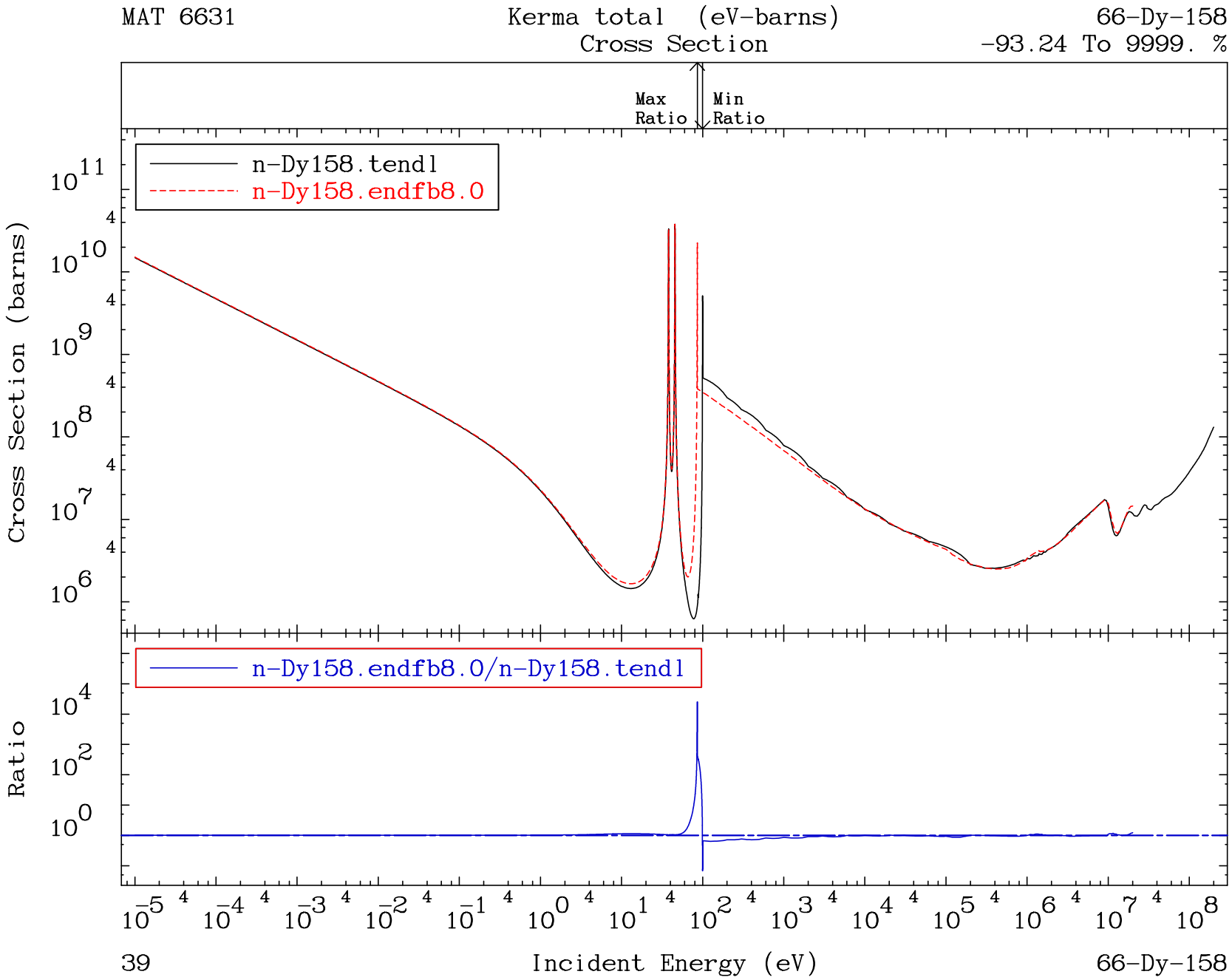

MAT 6631
(n,γ)
Cross Section
66-Dy-158
-93.22 To 9999. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
34
66-Dy-158

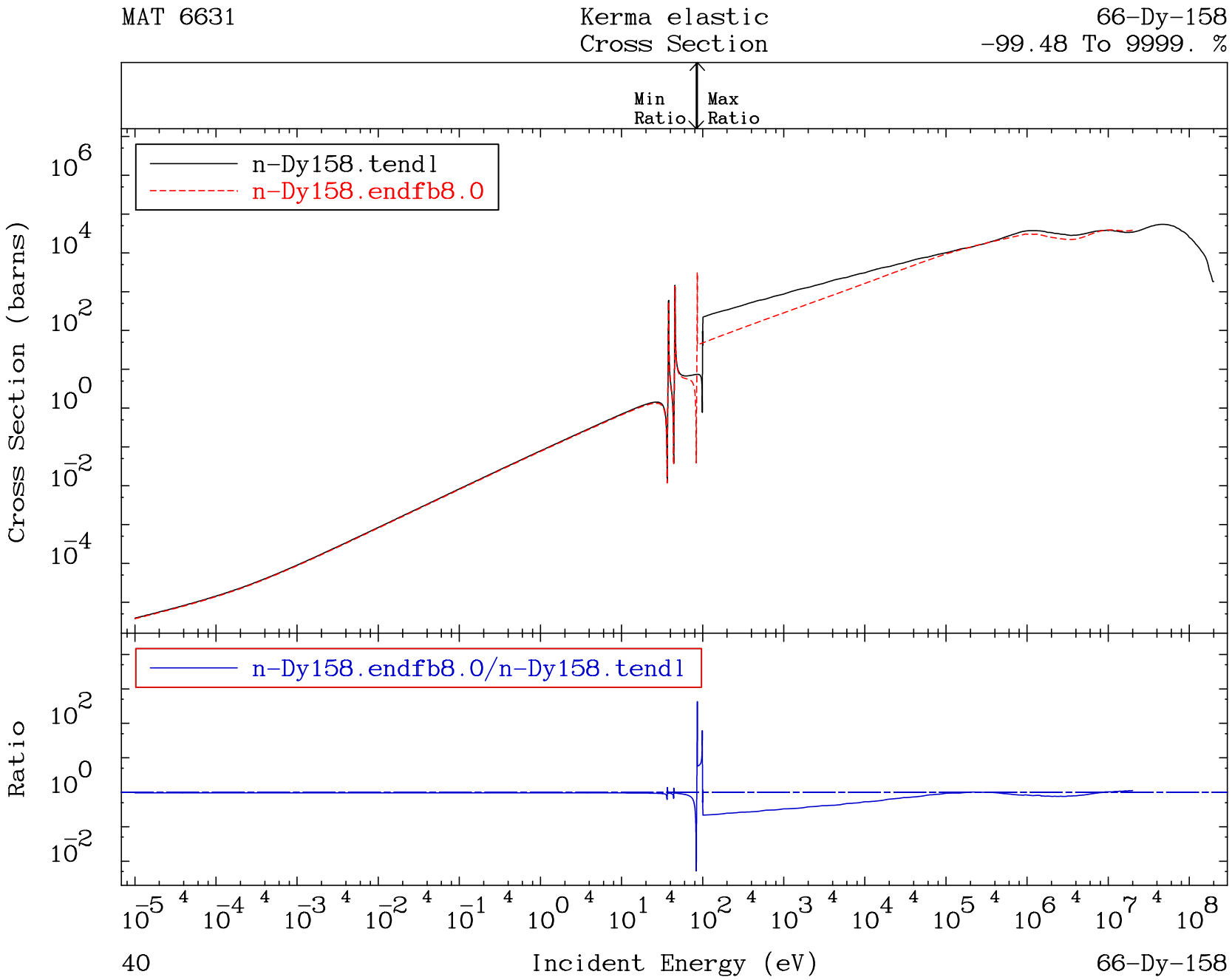

MAT 6631
(n,p)
Cross Section
66-Dy-158
-93.13 To 177.2 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 155.31 keV
n-Dy158.endfb8.0 Threshold 1.9000 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
4
$10^0$
4
$10^{-1}$
2 3 4 5 6 8 $10^6$ 2 3 4 5 6 8 $10^7$ 2 3 4 5 6 8 $10^8$ 2
35
Incident Energy (eV)
66-Dy-158

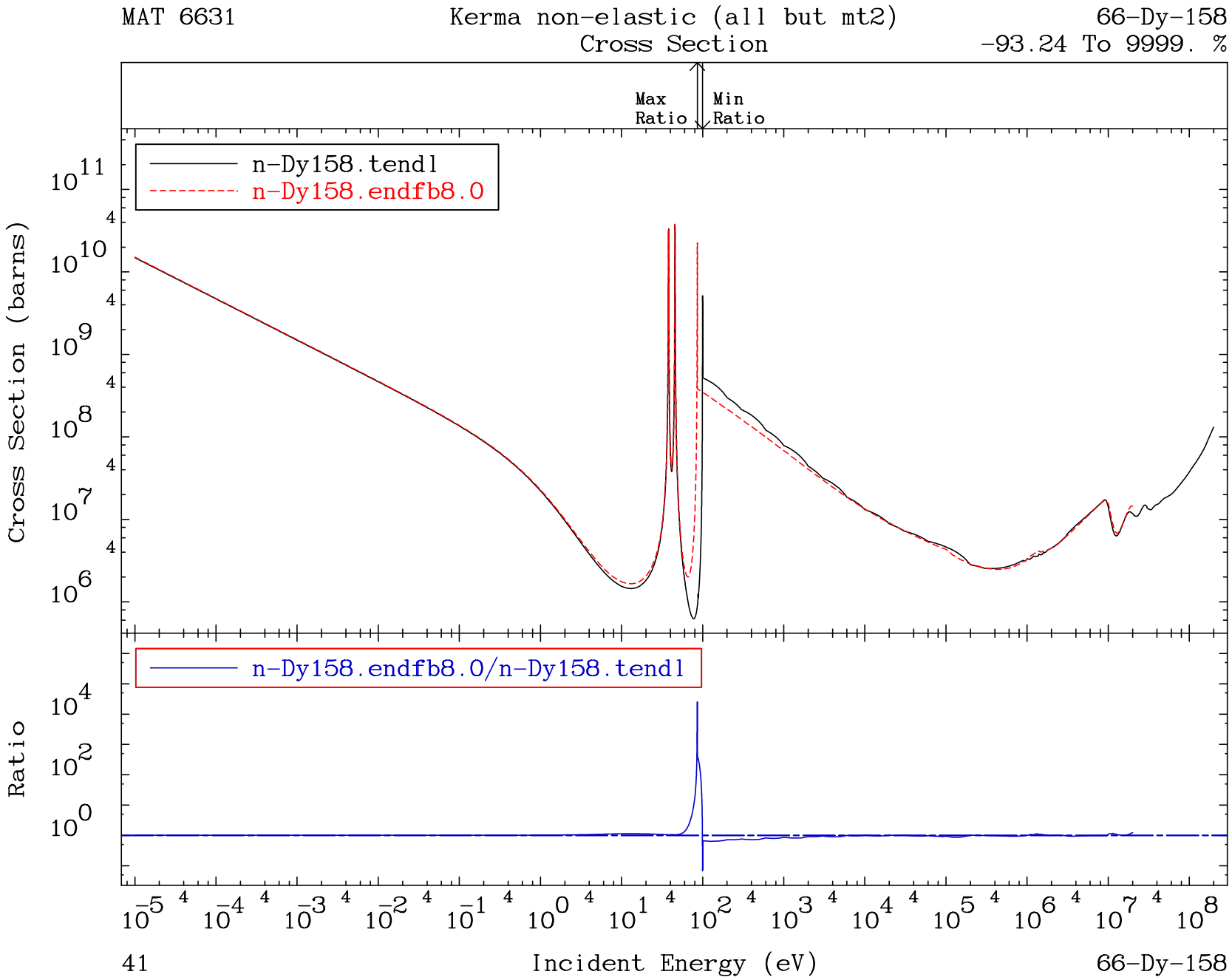

MAT 6631
(n,α)
Cross Section
66-Dy-158
-31.38 To 1028. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0 Threshold 20.000 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^1
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
36
Incident Energy (eV)
66-Dy-158

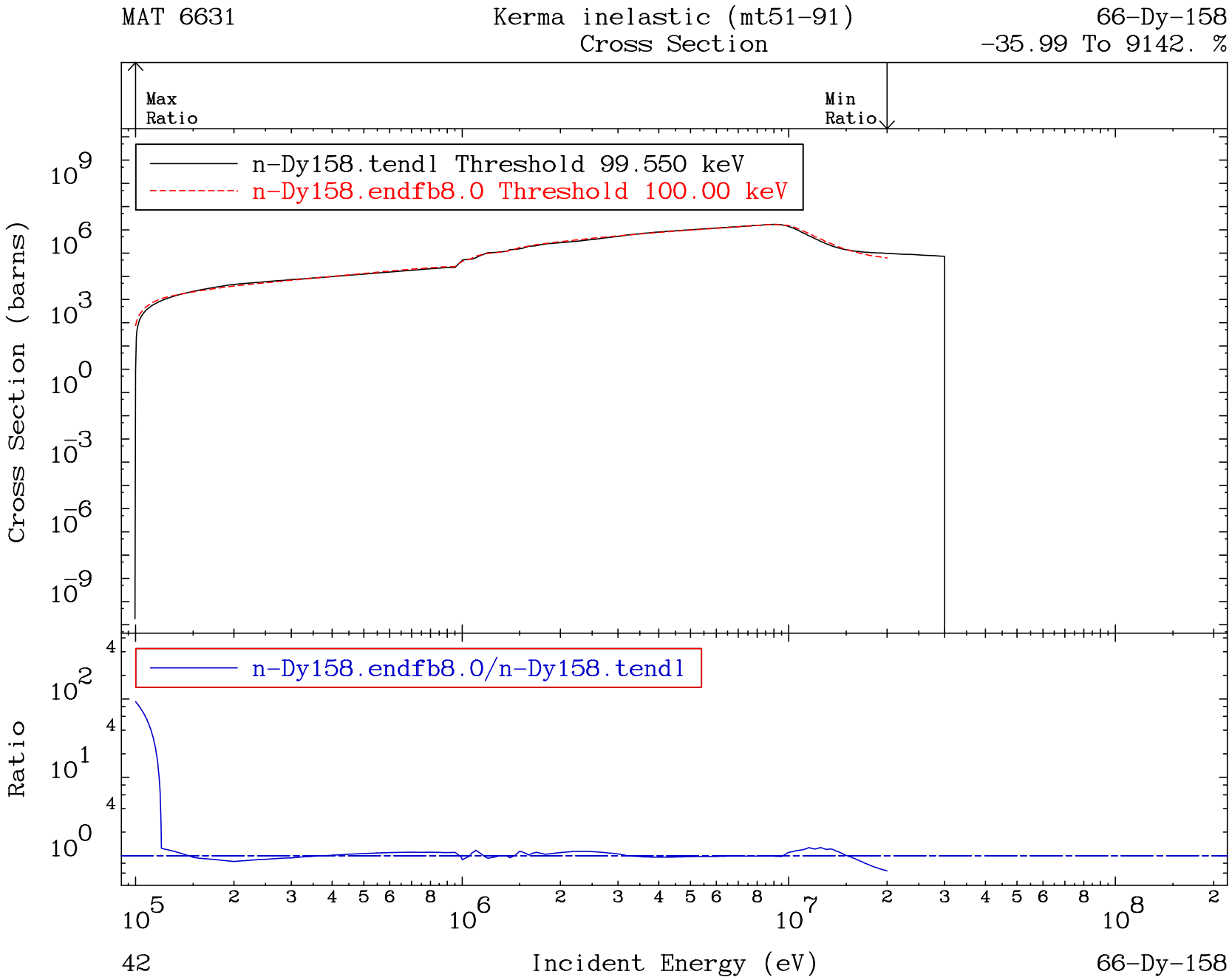

MAT 6631
Hydrogen Production
Cross Section
66-Dy-158
-100.0 To 108.4 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 155.31 keV
n-Dy158.endfb8.0 Threshold 1.8000 MeV
Cross Section (barns)
0
1
2
3
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^0
10^-5
10^-10
10^-15
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
66-Dy-158

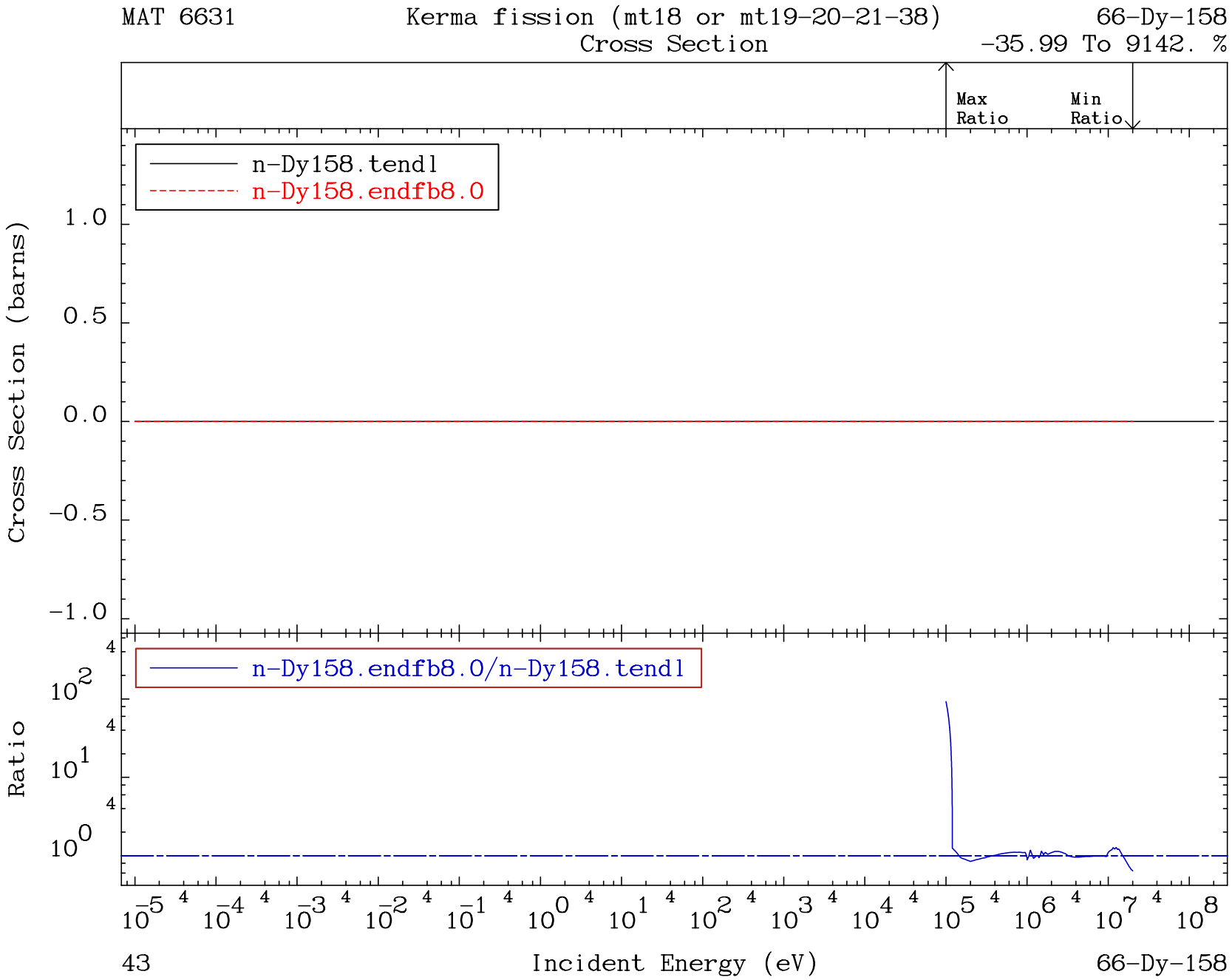

MAT 6631
He-4 Production
Cross Section
66-Dy-158
-100.0 To 1028. %
Min Ratio
Max Ratio
n-Dy158.tendl
n-Dy158.endfb8.0 Threshold 20.000 keV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^-9
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
38
Incident Energy (eV)
66-Dy-158

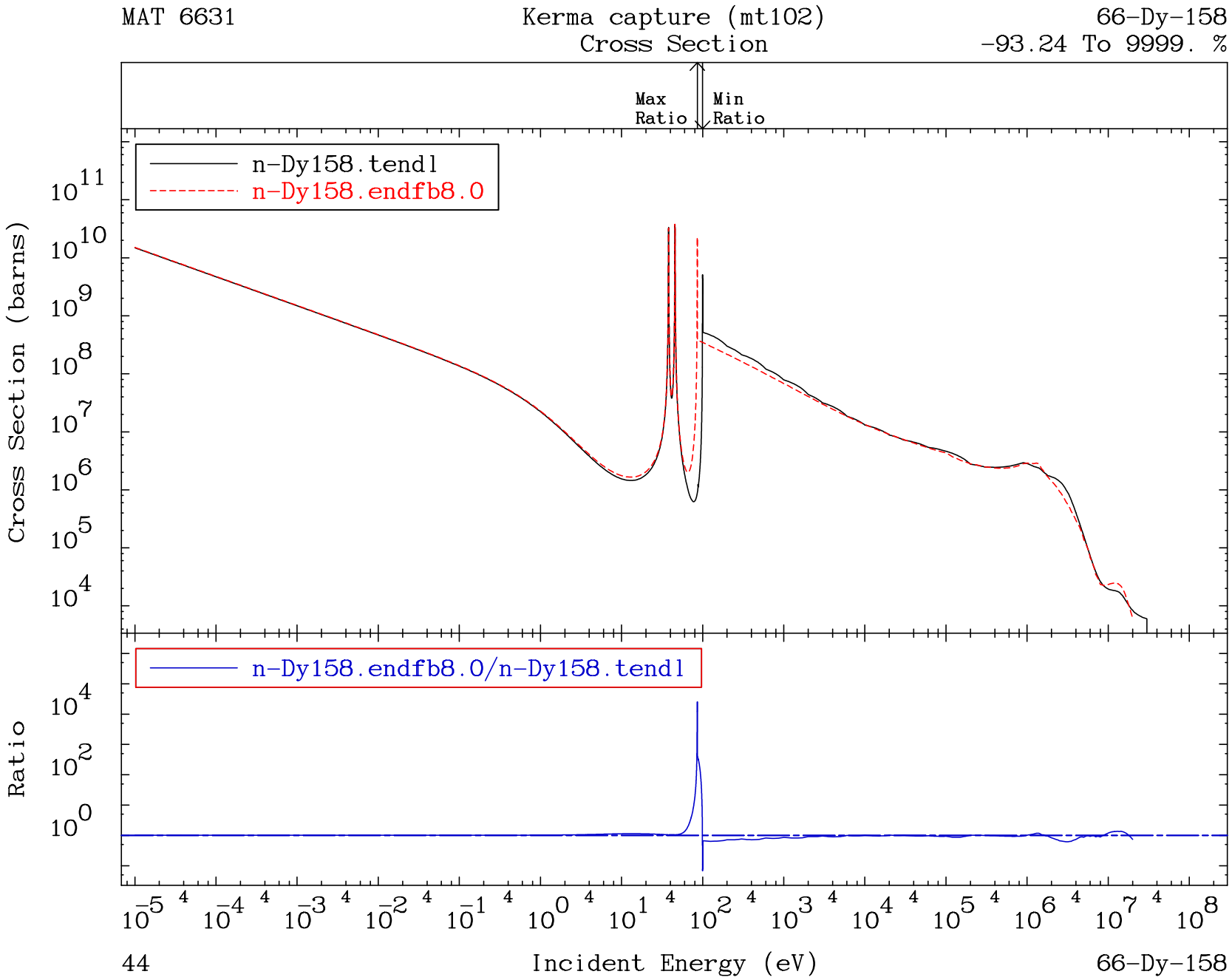

MAT 6631
Kerma total (eV-barns)
Cross Section
66-Dy-158
-93.24 To 9999. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
39
Incident Energy (eV)
66-Dy-158

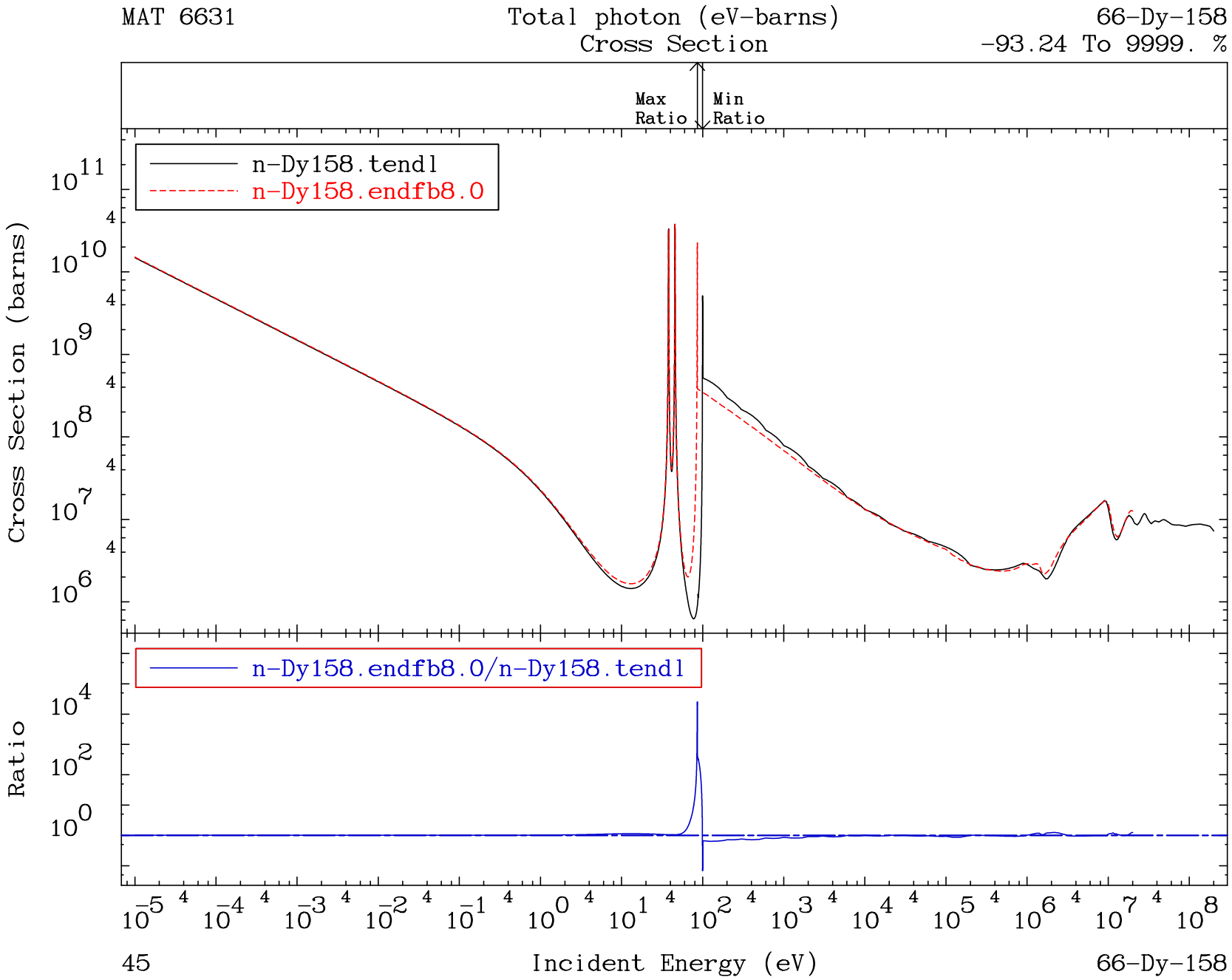

MAT 6631
Kerma elastic
Cross Section
66-Dy-158
-99.48 To 9999. %
Min Ratio
Max Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
40
66-Dy-158

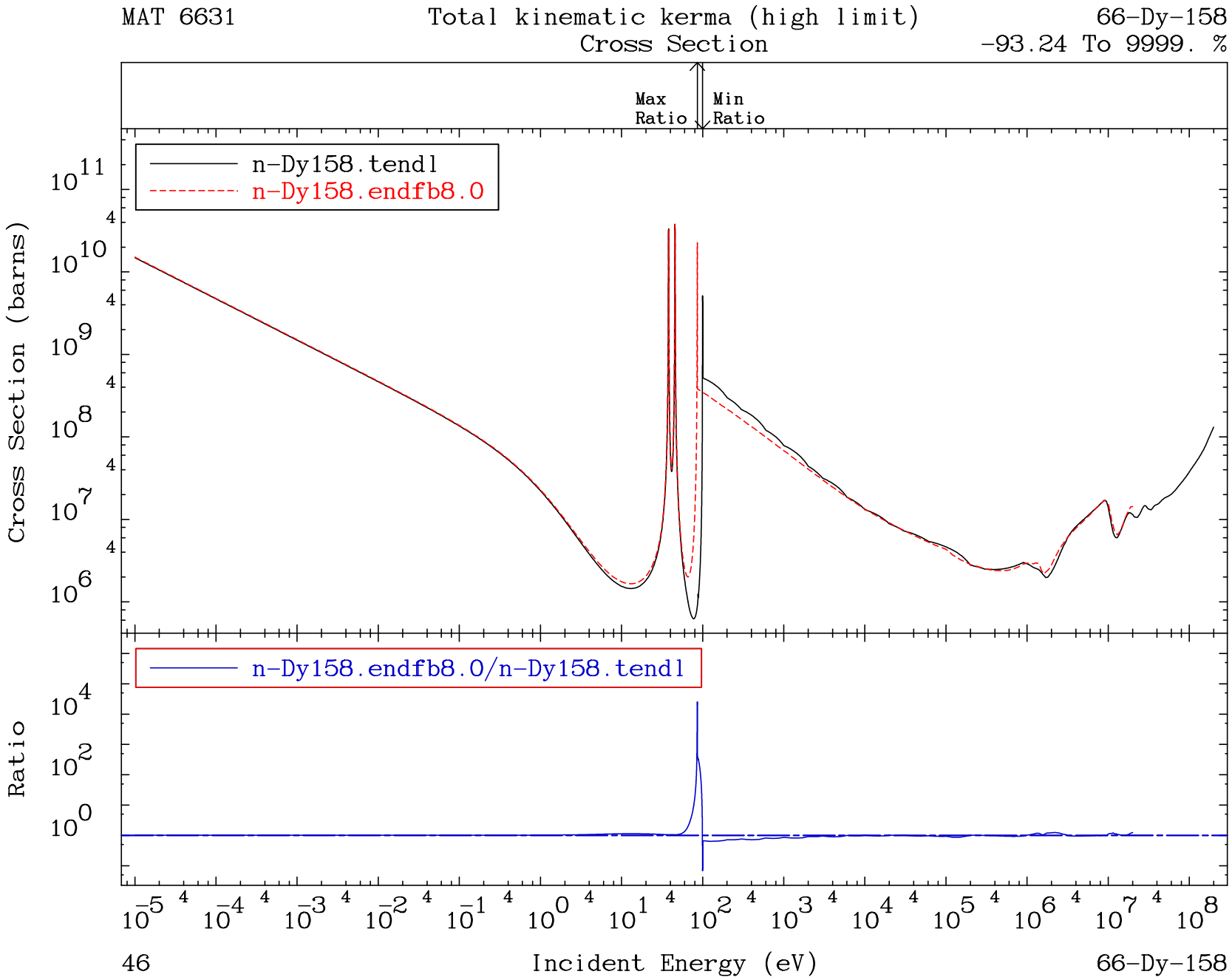

MAT 6631
Kerma non-elastic (all but mt2)
Cross Section
66-Dy-158
-93.24 To 9999. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
41
66-Dy-158

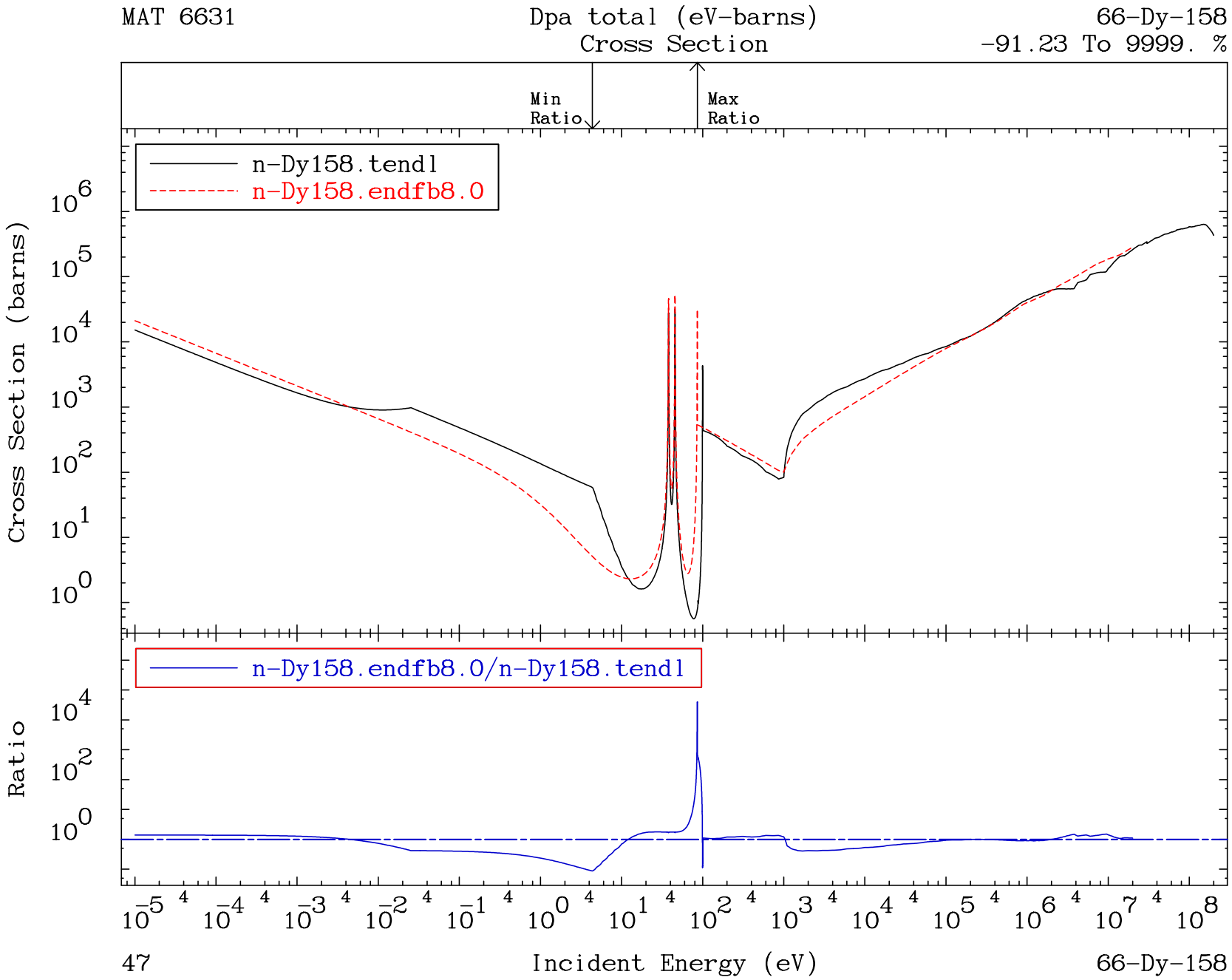

MAT 6631
Kerma inelastic (mt51-91)
Cross Section
66-Dy-158
-35.99 To 9142. %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 99.550 keV
n-Dy158.endfb8.0 Threshold 100.00 keV
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
42
66-Dy-158

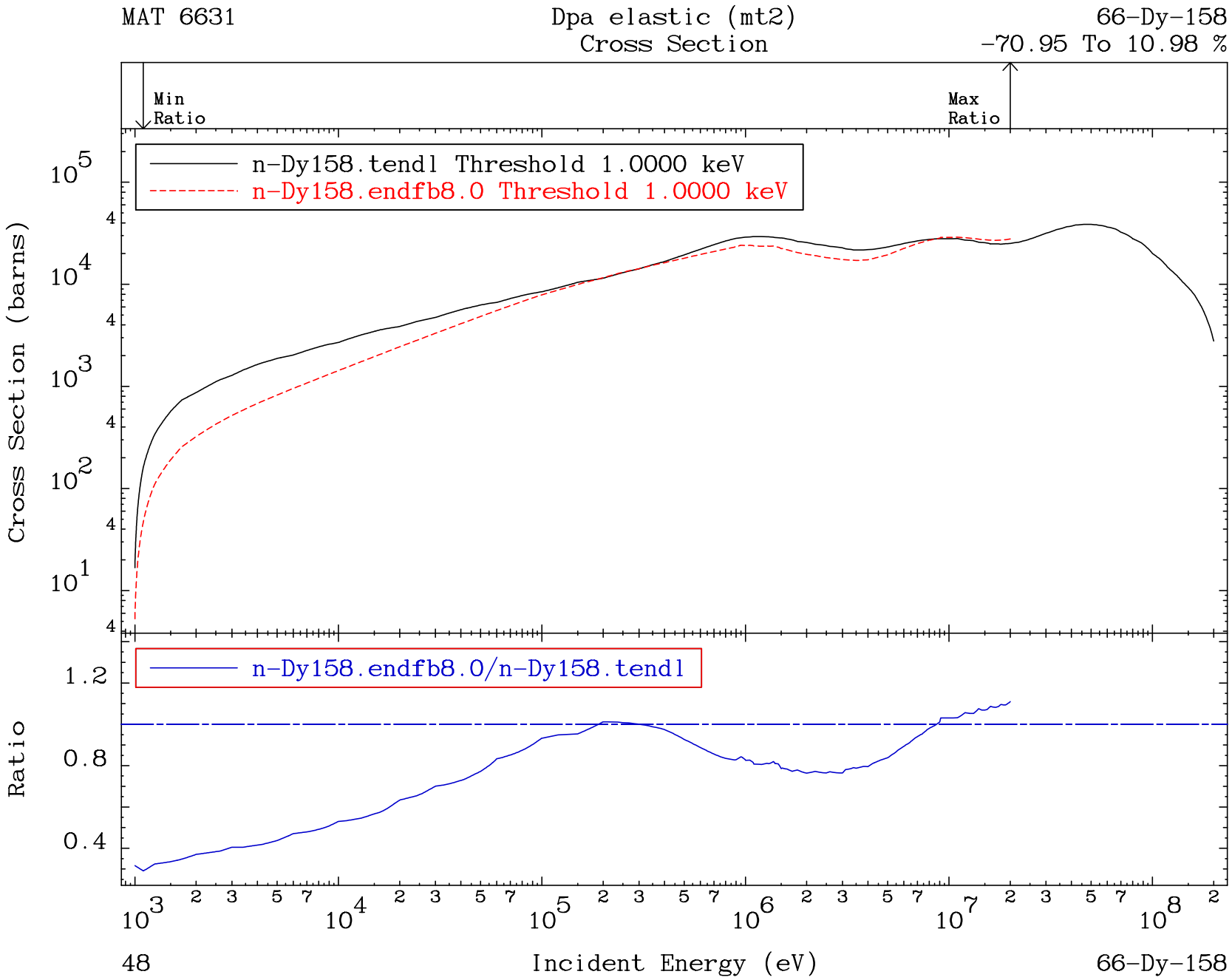

MAT 6631
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
66-Dy-158
-35.99 To 9142. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
10^2
10^1
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
66-Dy-158

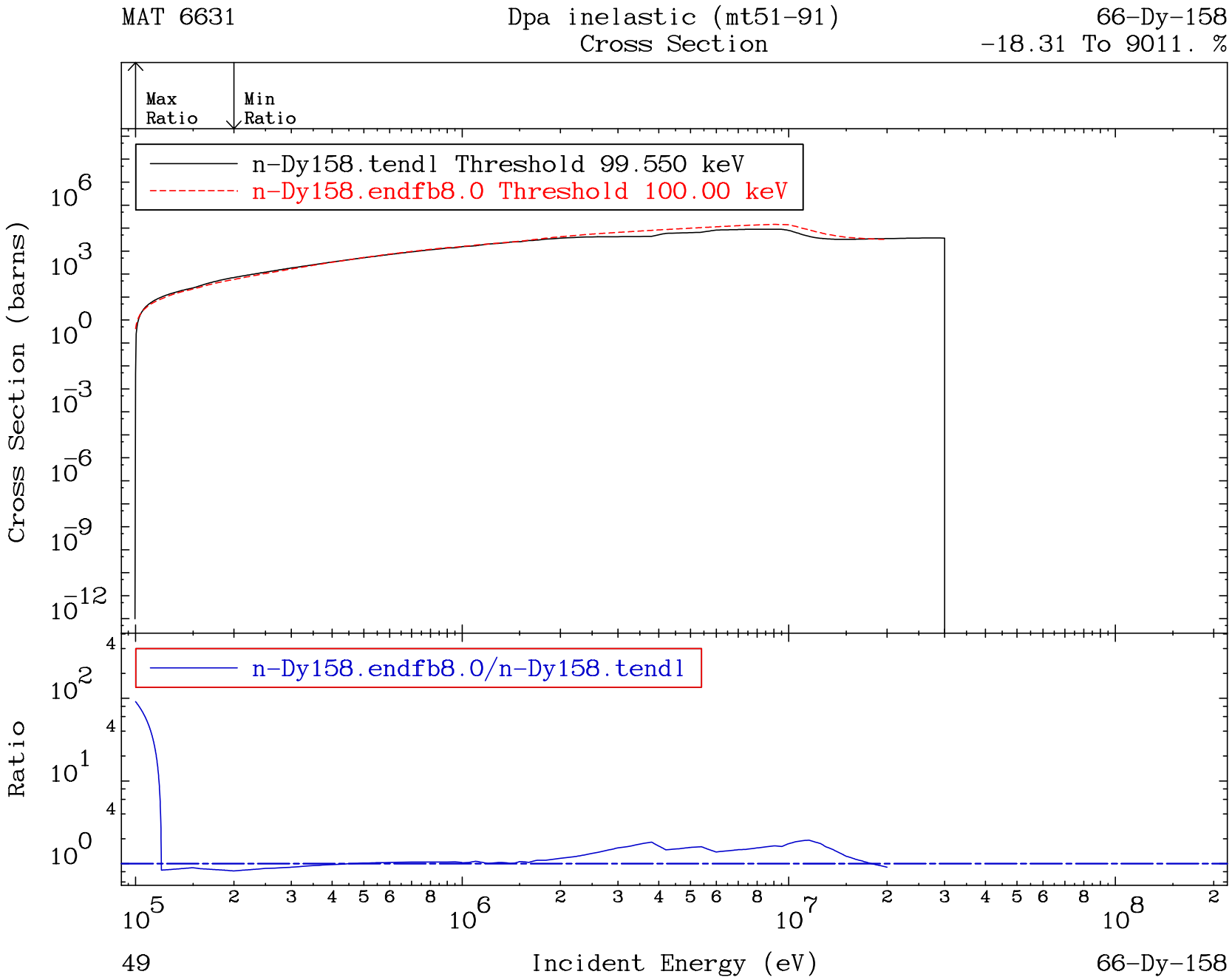

MAT 6631
Kerma capture (mt102)
Cross Section
66-Dy-158
-93.24 To 9999. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
44
66-Dy-158

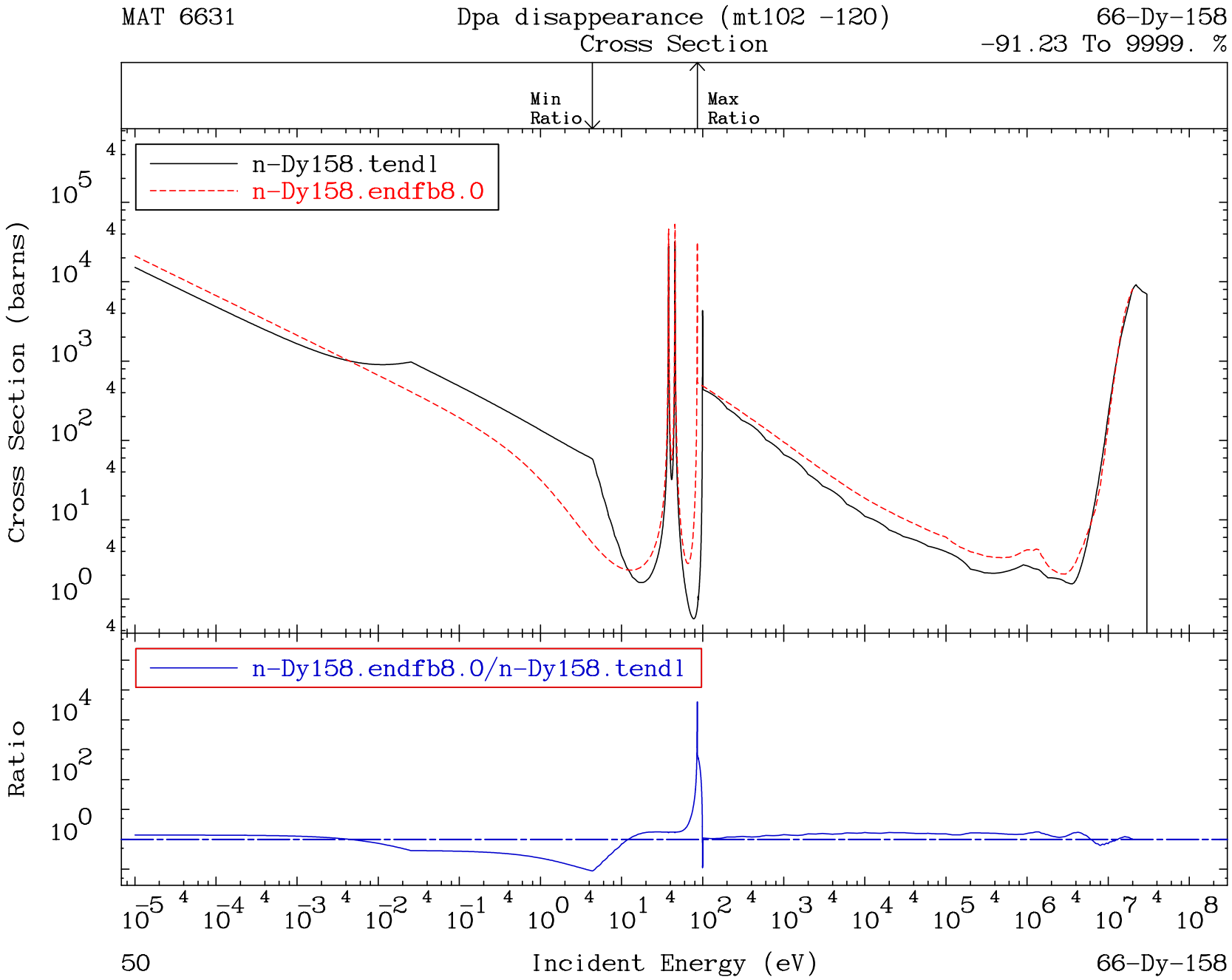

MAT 6631
Total photon (eV-barns)
Cross Section
66-Dy-158
-93.24 To 9999. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
45
66-Dy-158


MAT 6631
Total kinematic kerma (high limit)
Cross Section
66-Dy-158
-93.24 To 9999. %
Max Ratio
Min Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
46
66-Dy-158


MAT 6631
Dpa total (eV-barns)
Cross Section
66-Dy-158
-91.23 To 9999. %
Min Ratio
Max Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
47
66-Dy-158


MAT 6631
Dpa elastic (mt2)
Cross Section
66-Dy-158
-70.95 To 10.98 %
Min Ratio
Max Ratio
n-Dy158.tendl Threshold 1.0000 keV
n-Dy158.endfb8.0 Threshold 1.0000 keV
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
48
66-Dy-158


MAT 6631
Dpa inelastic (mt51-91)
Cross Section
66-Dy-158
-18.31 To 9011. %
Max Ratio
Min Ratio
n-Dy158.tendl Threshold 99.550 keV
n-Dy158.endfb8.0 Threshold 100.00 keV
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
49
66-Dy-158


MAT 6631
Dpa disappearance (mt102 -120)
Cross Section
66-Dy-158
-91.23 To 9999. %
Min Ratio
Max Ratio
n-Dy158.tendl
n-Dy158.endfb8.0
Cross Section (barns)
n-Dy158.endfb8.0/n-Dy158.tendl
Ratio
Incident Energy (eV)
50
66-Dy-158