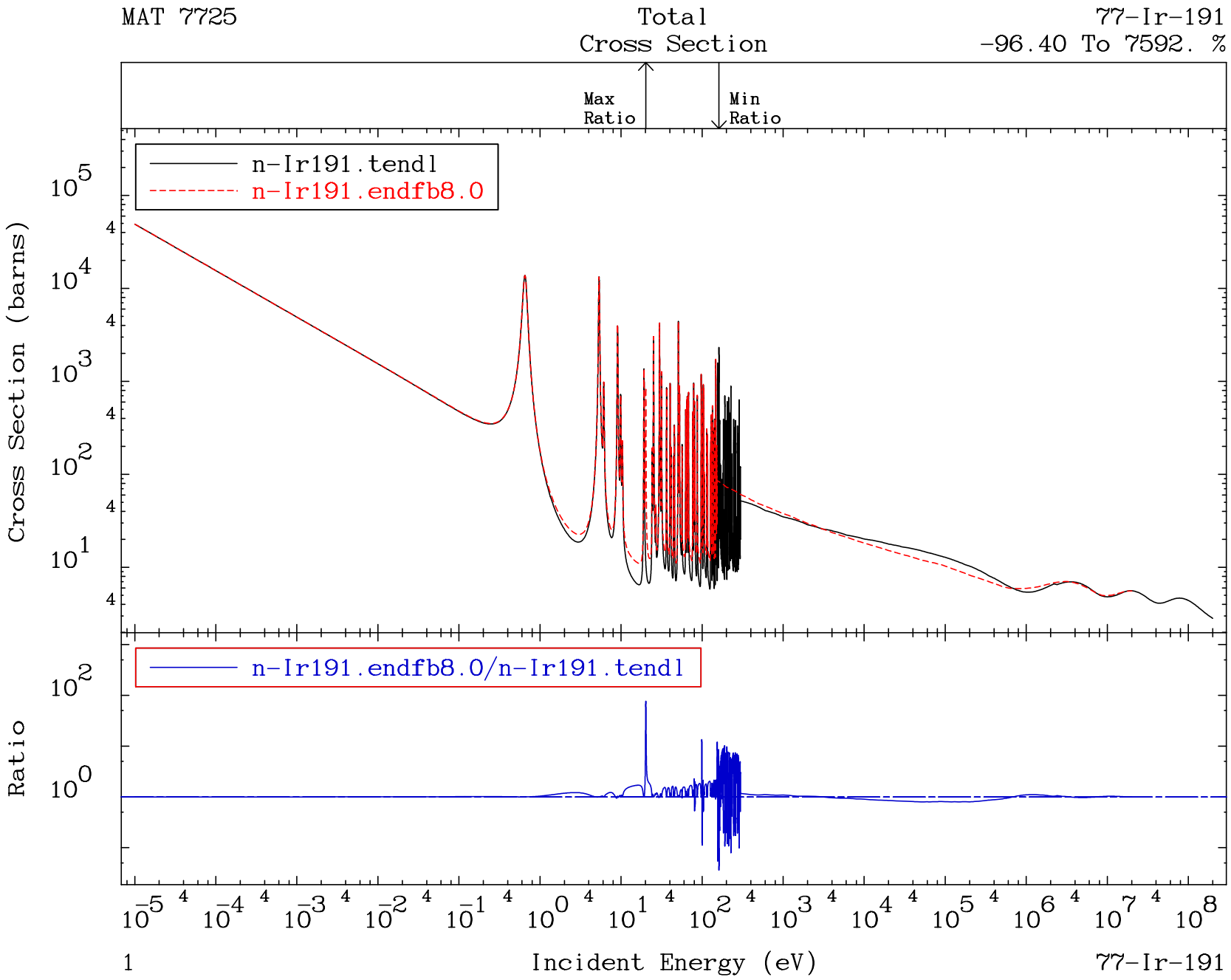
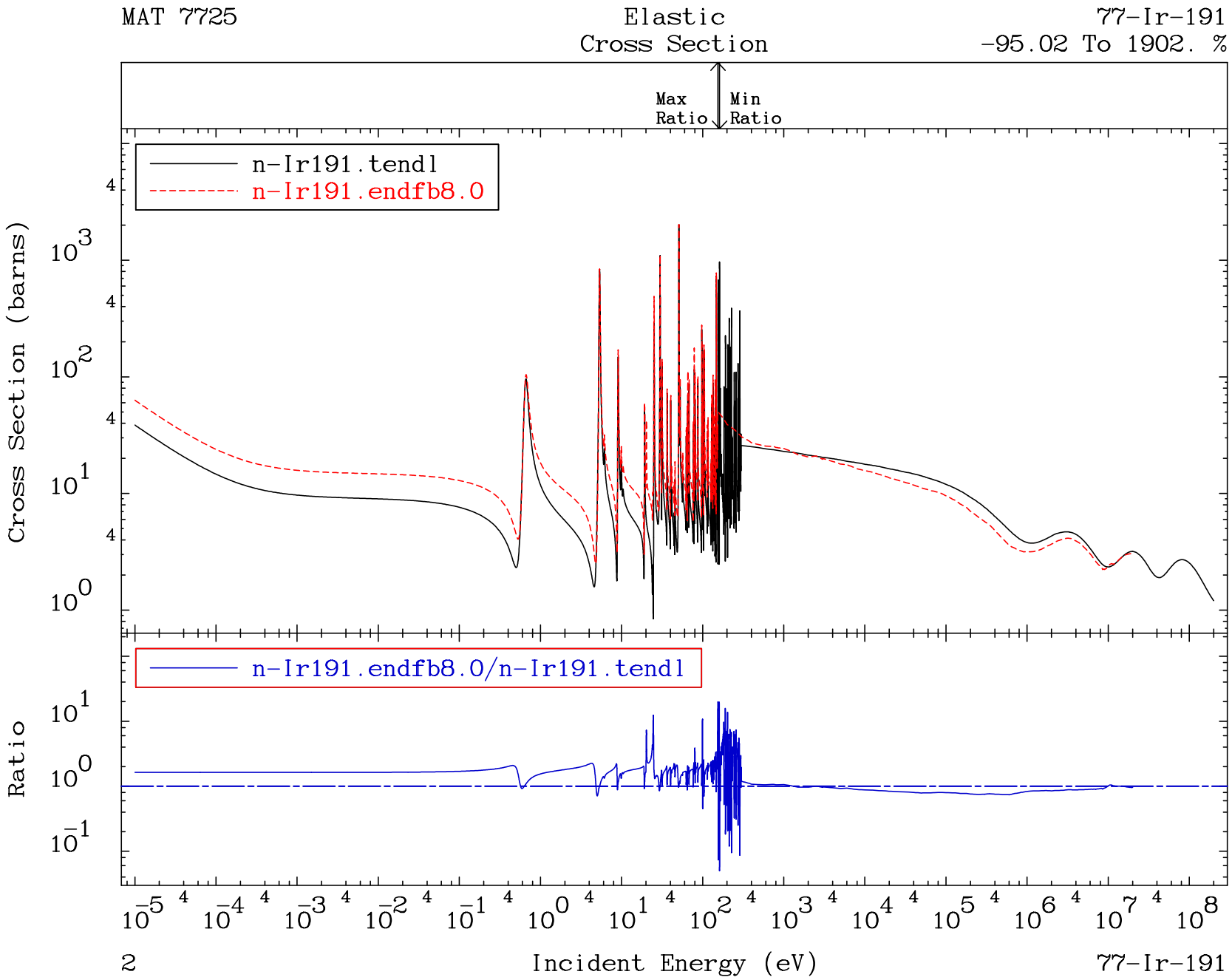
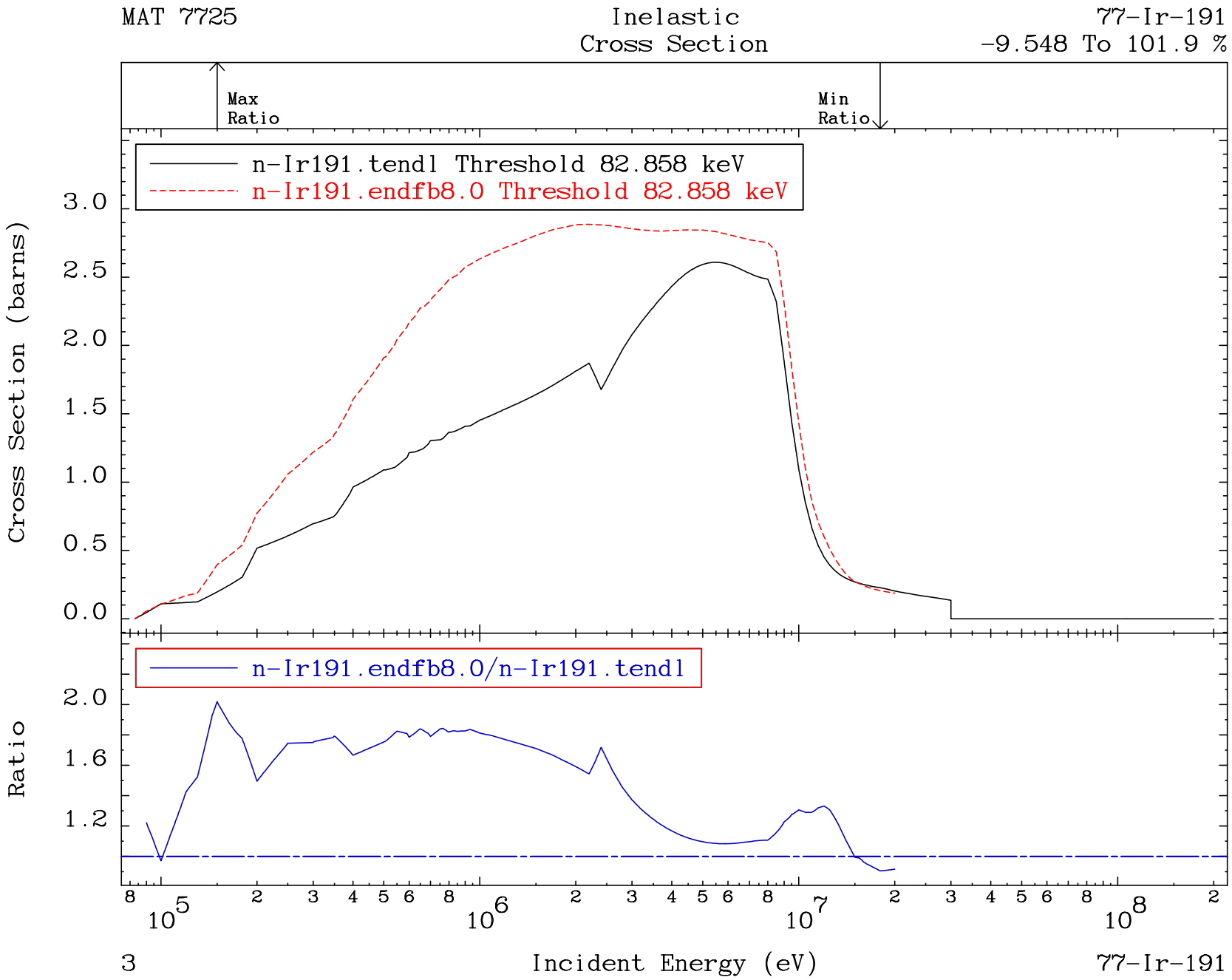
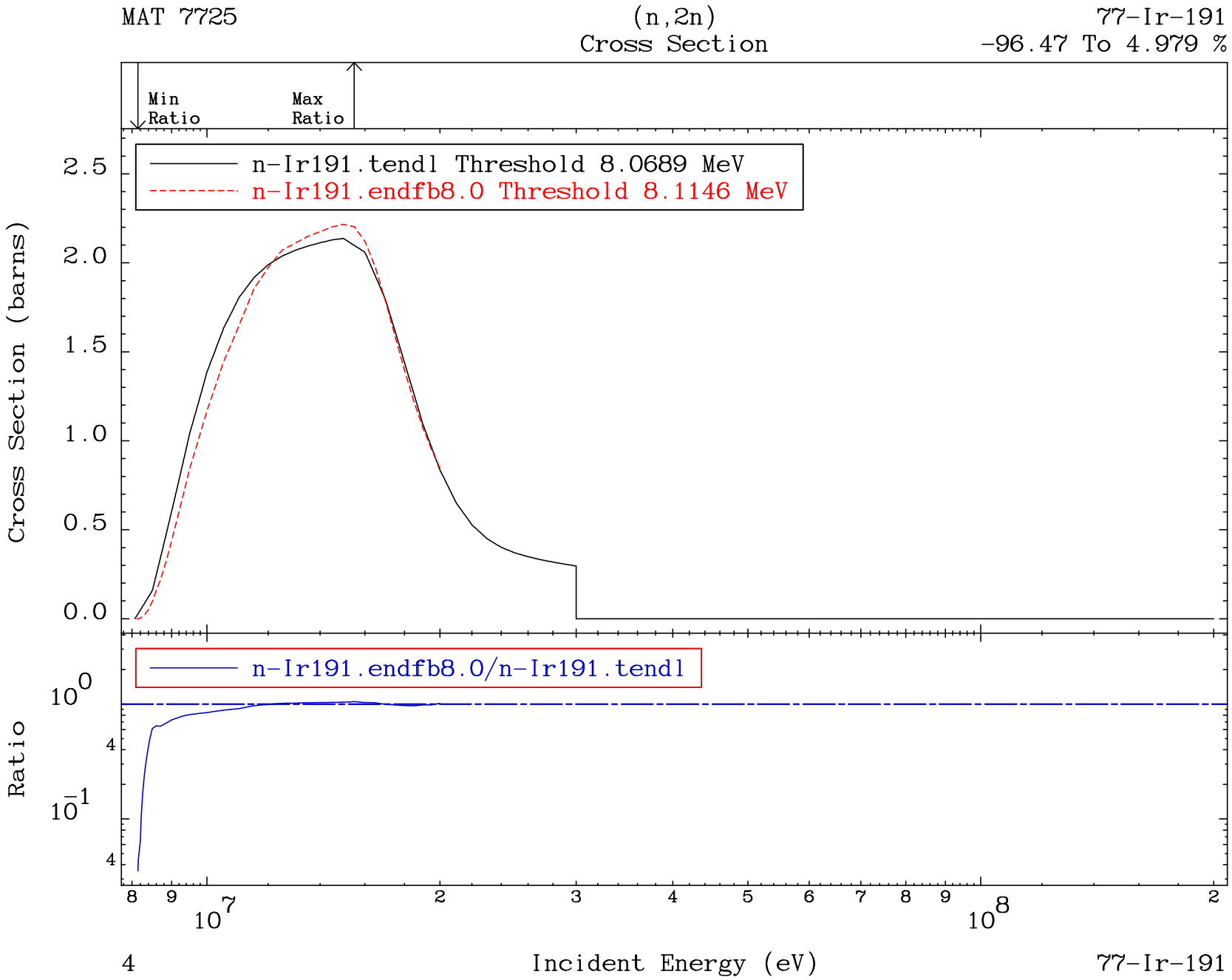
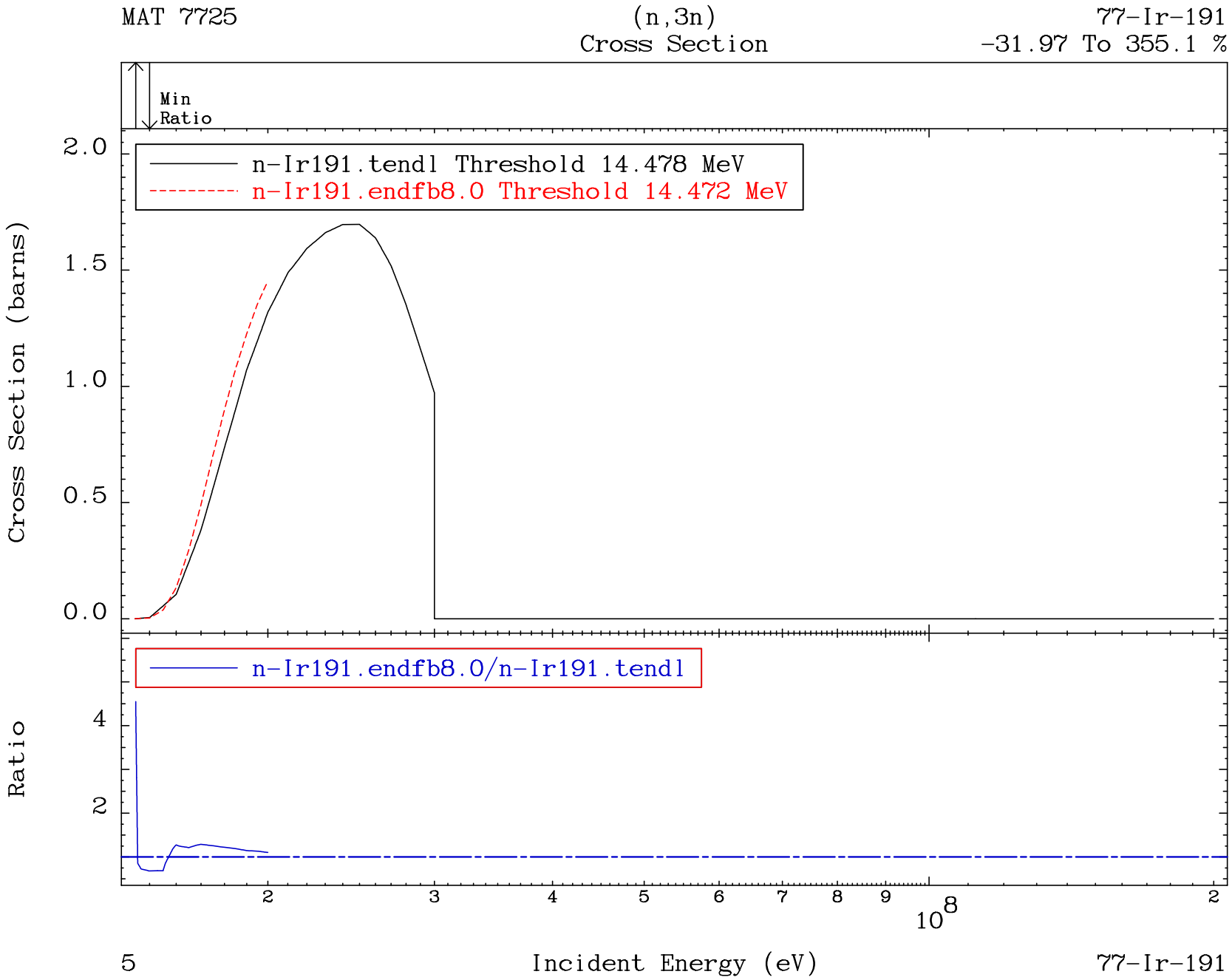
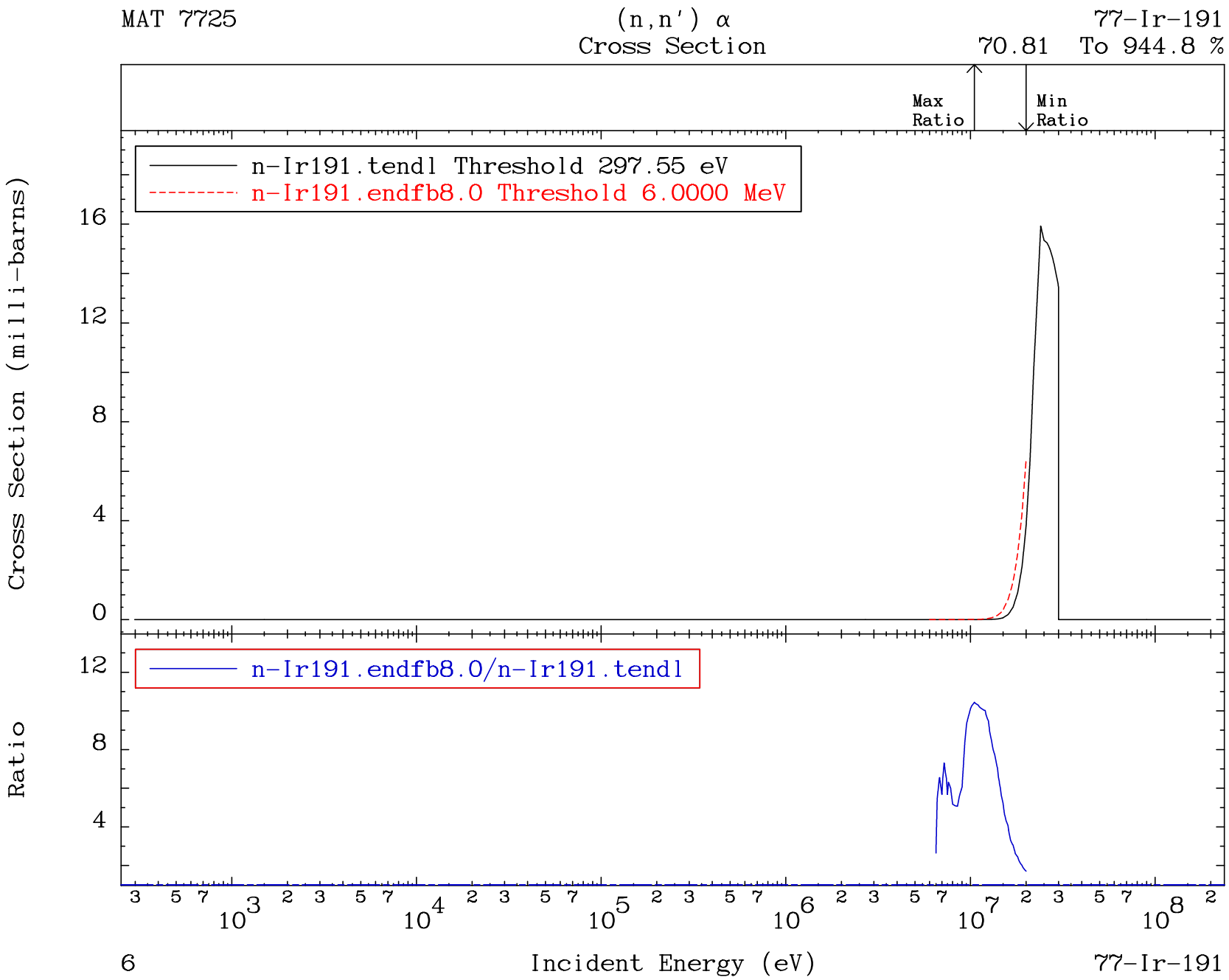

MAT 7725
Total
Cross Section
77-Ir-191
-96.40 To 7592. %
Max
Ratio
Min
Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
1
77-Ir-191

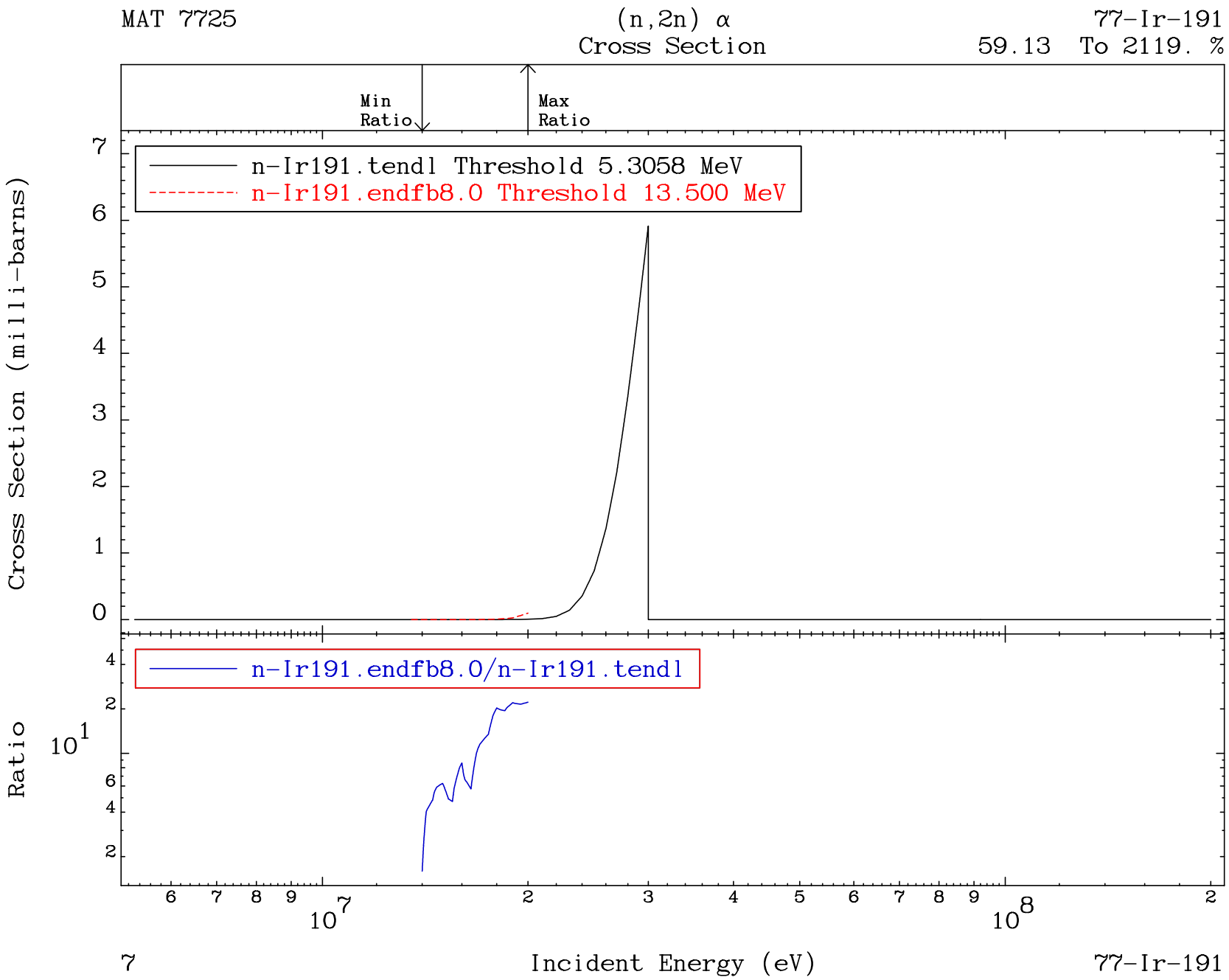

MAT 7725
Elastic
Cross Section
77-Ir-191
-95.02 To 1902. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
2
77-Ir-191

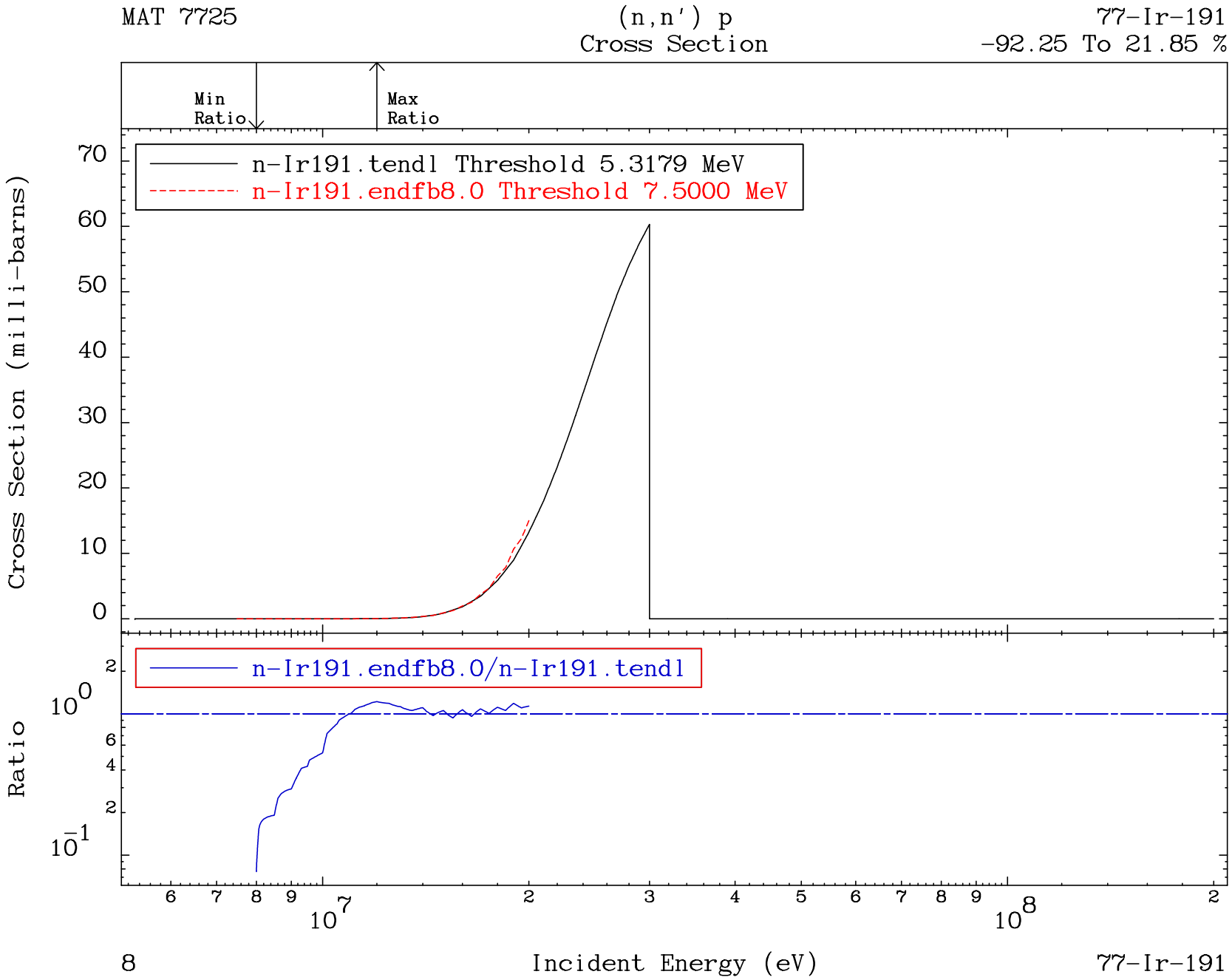

MAT 7725
Inelastic
Cross Section
77-Ir-191
-9.548 To 101.9 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 82.858 keV
n-Ir191.endfb8.0 Threshold 82.858 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
2.0
1.6
1.2
8
2
3
4
5
6
8
10^5
10^6
10^7
10^8
3
Incident Energy (eV)
77-Ir-191

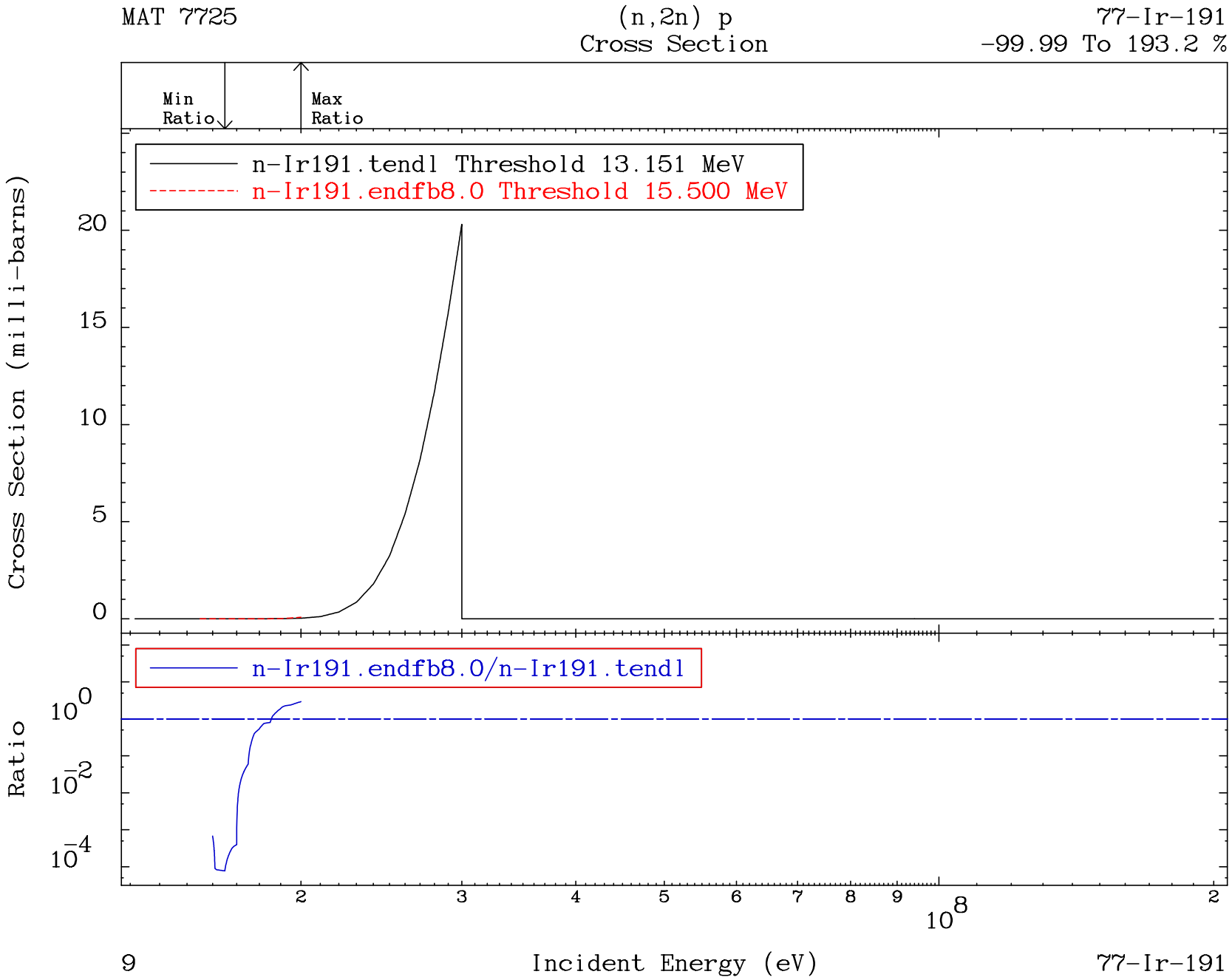

MAT 7725
(n,2n)
Cross Section
77-Ir-191
-96.47 To 4.979 %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 8.0689 MeV
n-Ir191.endfb8.0 Threshold 8.1146 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-1
4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
77-Ir-191

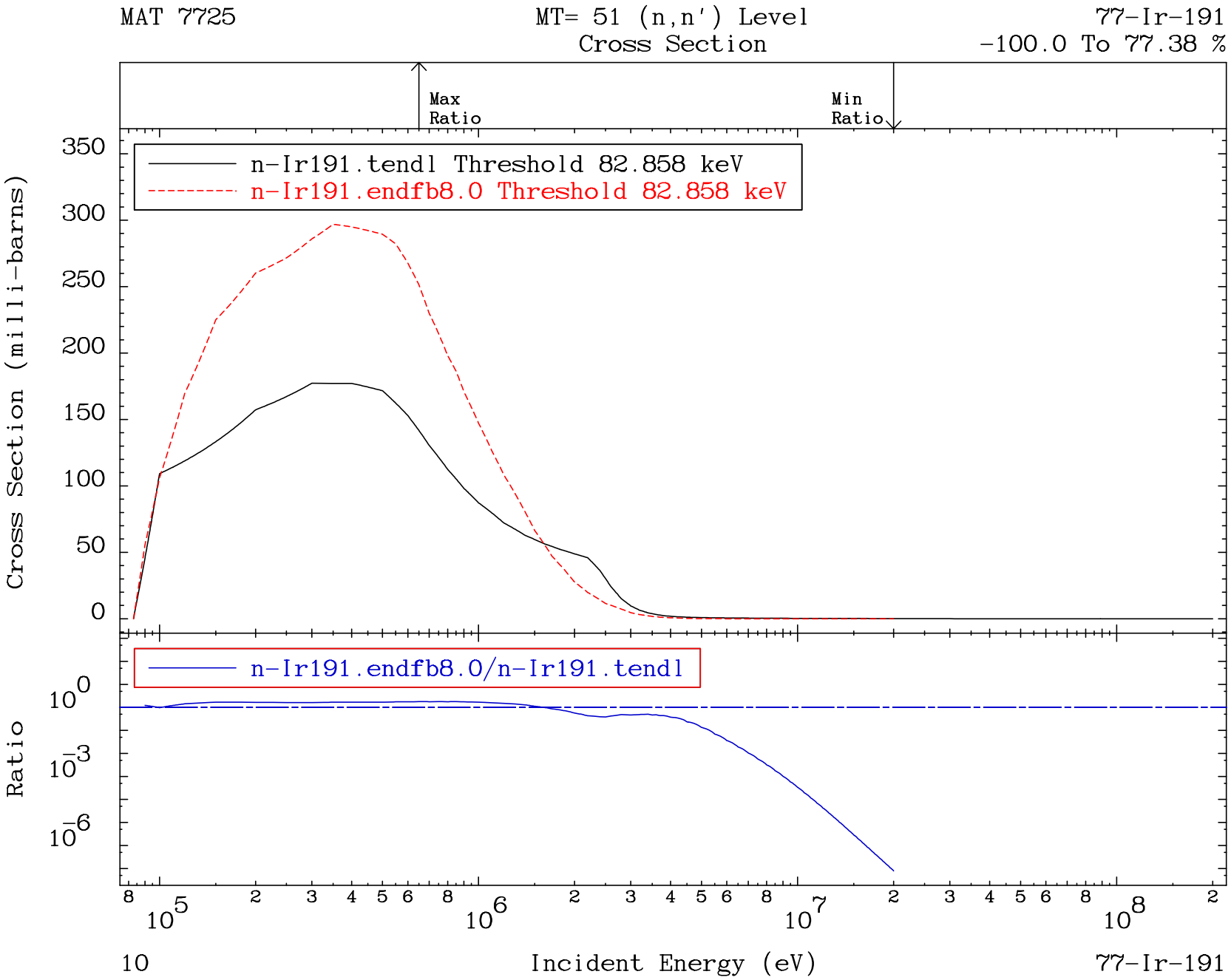

MAT 7725
(n,3n)
Cross Section
77-Ir-191
-31.97 To 355.1 %
Min
Ratio
n-Ir191.tendl Threshold 14.478 MeV
n-Ir191.endfb8.0 Threshold 14.472 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
4
2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
77-Ir-191

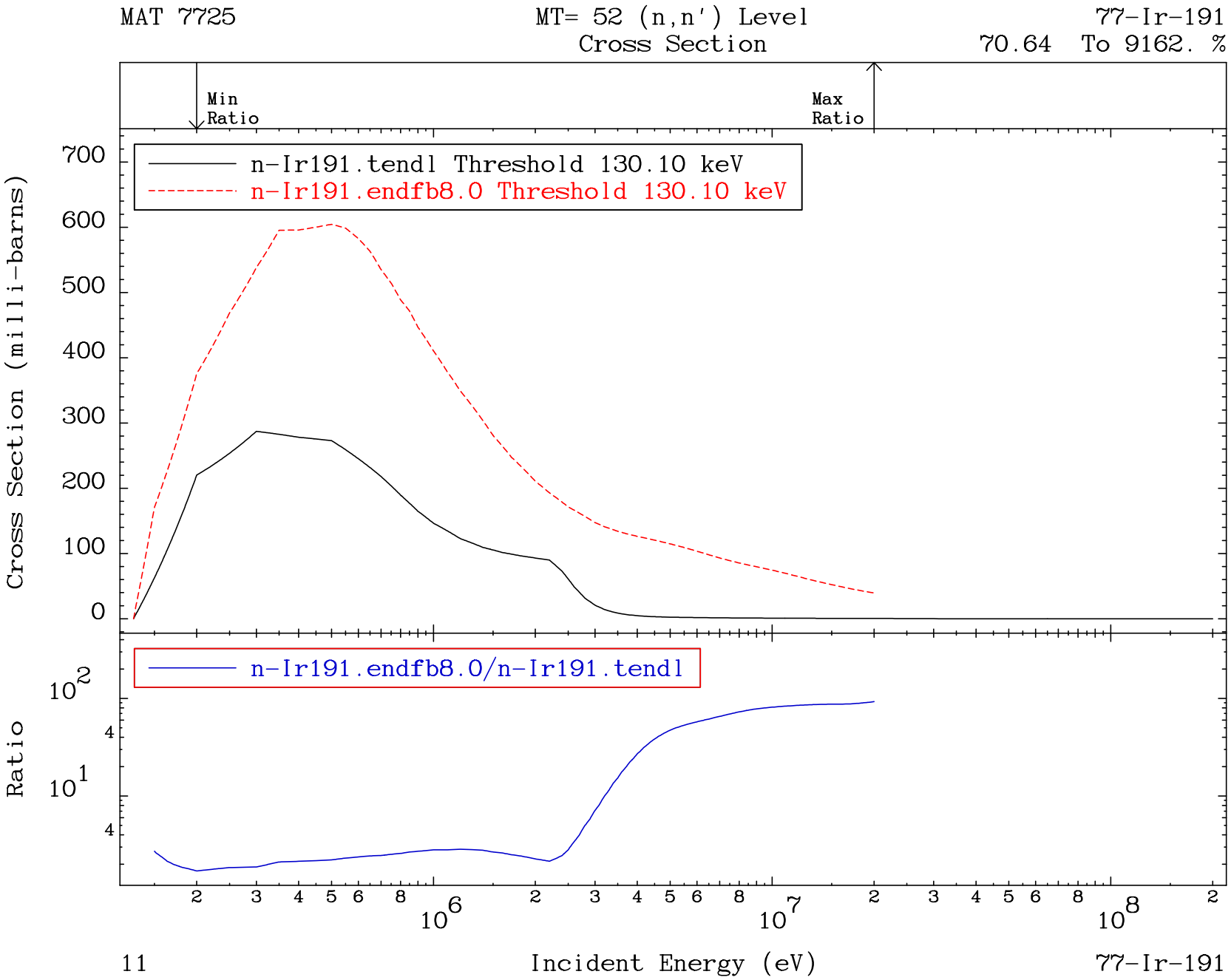

MAT 7725
(n,n') α
Cross Section
77-Ir-191
70.81 To 944.8 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 297.55 eV
n-Ir191.endfb8.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
12
8
4
3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
6
Incident Energy (eV)
77-Ir-191

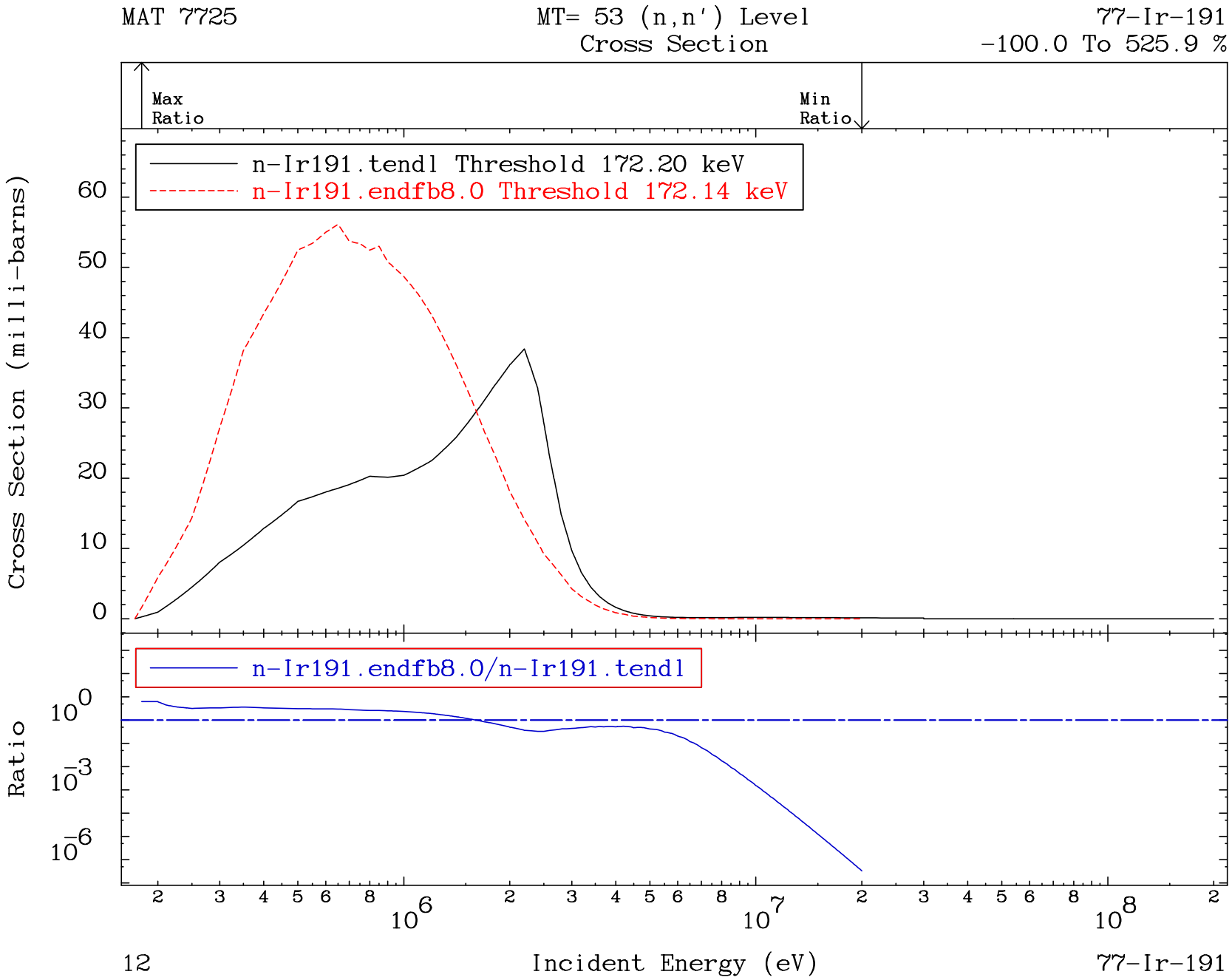

MAT 7725
(n,2n) α
Cross Section
77-Ir-191
59.13 To 2119. %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 5.3058 MeV
n-Ir191.endfb8.0 Threshold 13.500 MeV
Cross Section (milli-barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
7
77-Ir-191

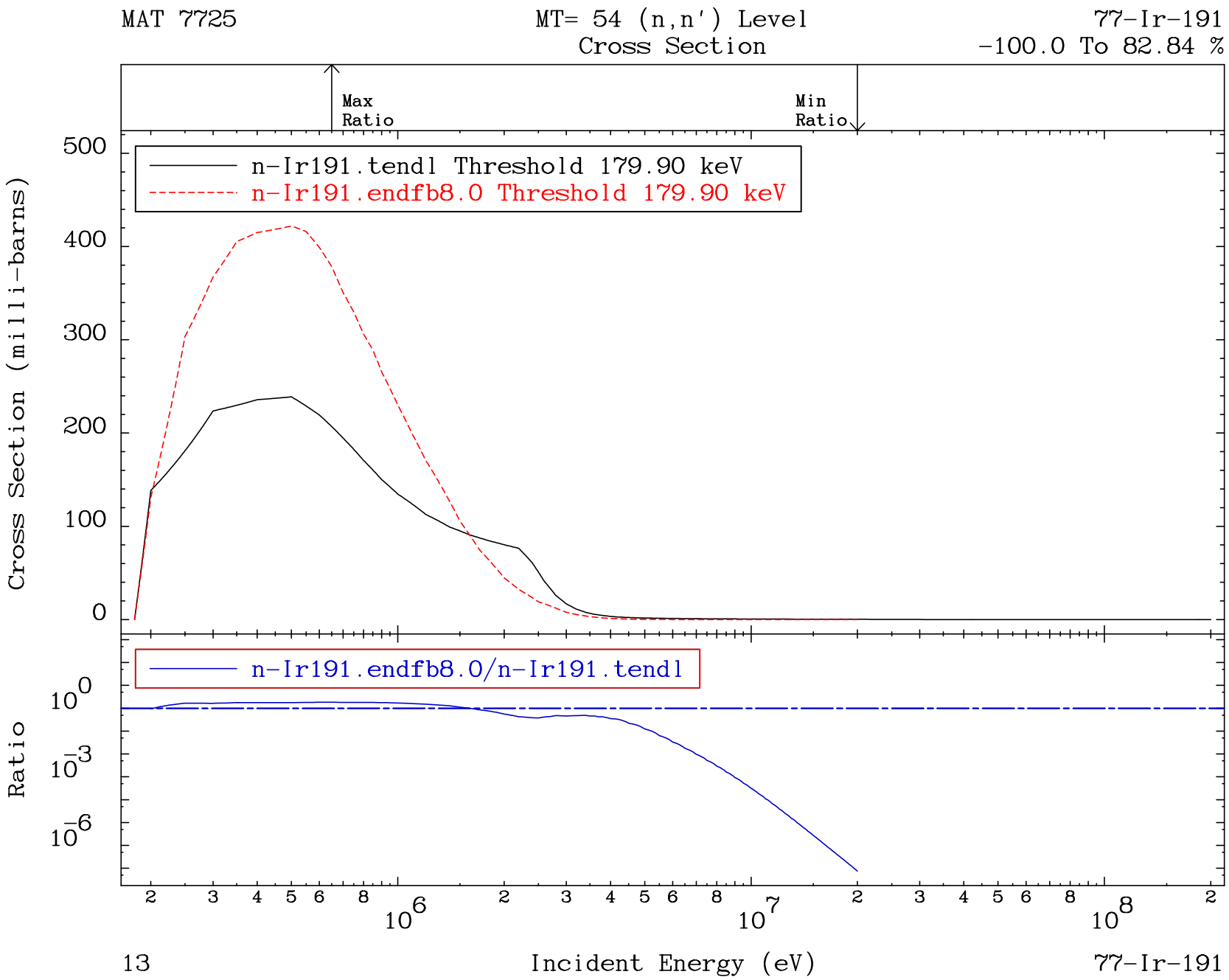

MAT 7725
(n,n') p
Cross Section
77-Ir-191
-92.25 To 21.85 %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 5.3179 MeV
n-Ir191.endfb8.0 Threshold 7.5000 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
2
10^0
6
4
2
10^-1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
77-Ir-191

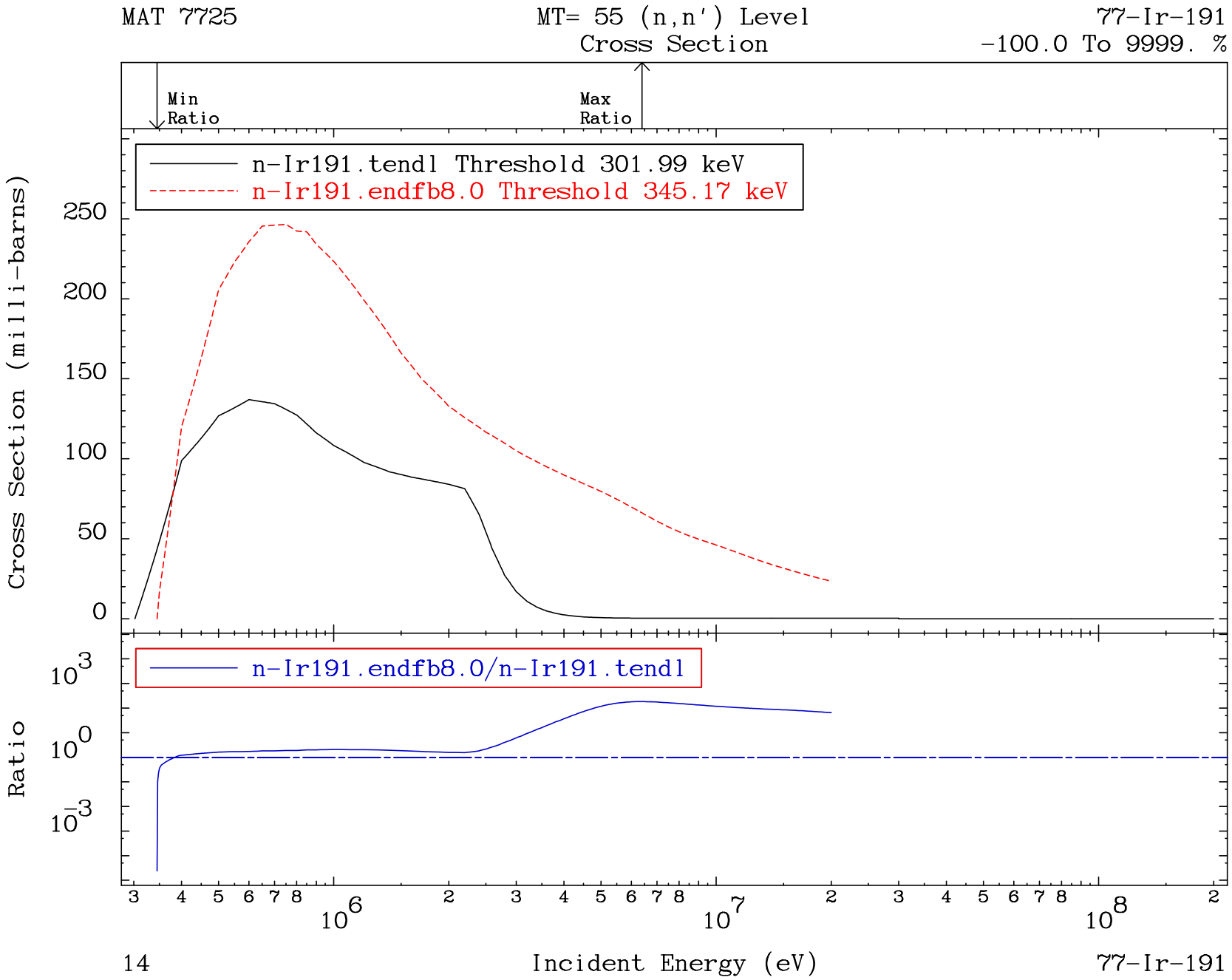

MAT 7725
(n,2n) p
Cross Section
77-Ir-191
-99.99 To 193.2 %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 13.151 MeV
n-Ir191.endfb8.0 Threshold 15.500 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
77-Ir-191

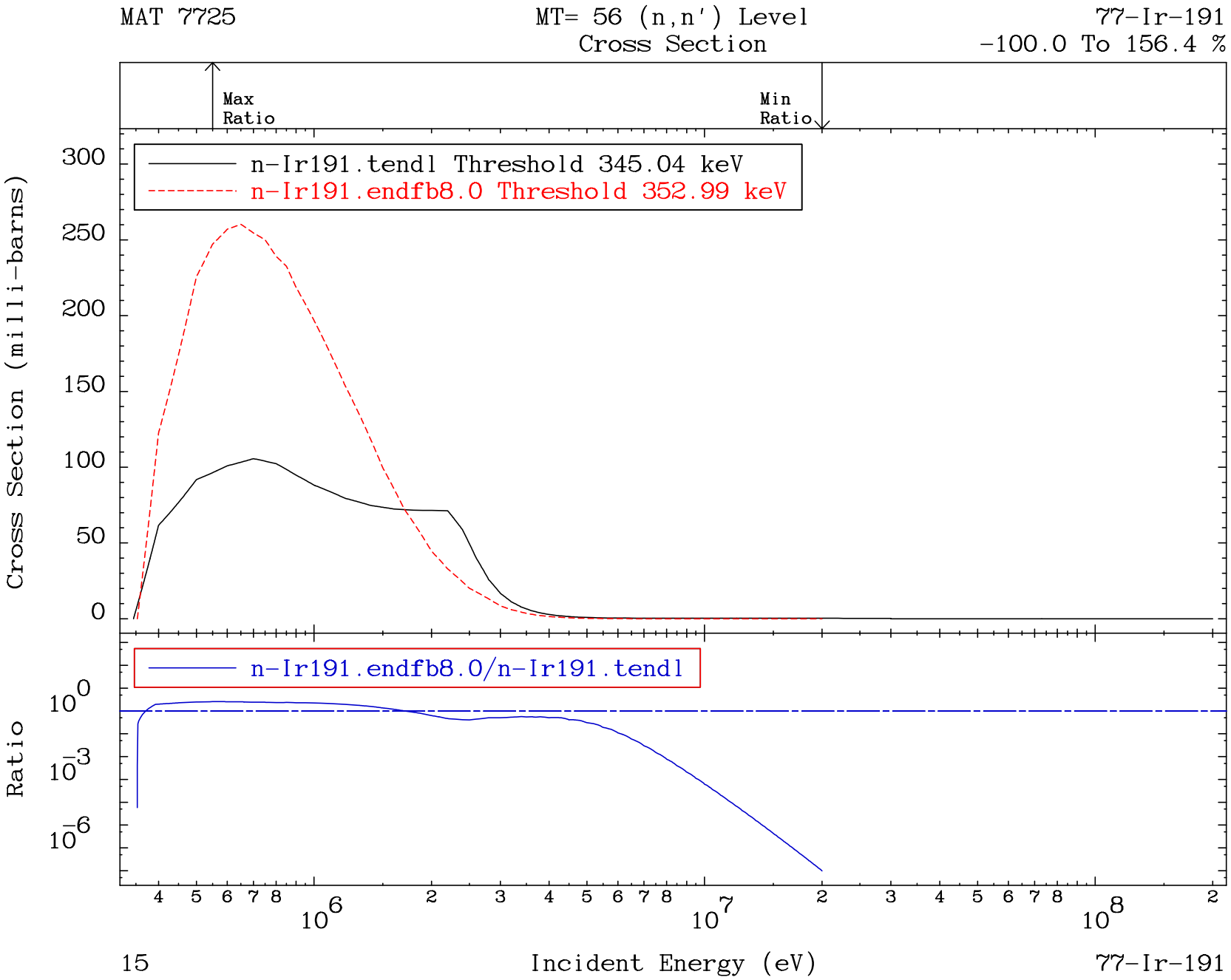

MAT 7725
MT= 51 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 77.38 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 82.858 keV
n-Ir191.endfb8.0 Threshold 82.858 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
10^5
10^6
10^7
10^8
10
Incident Energy (eV)
77-Ir-191

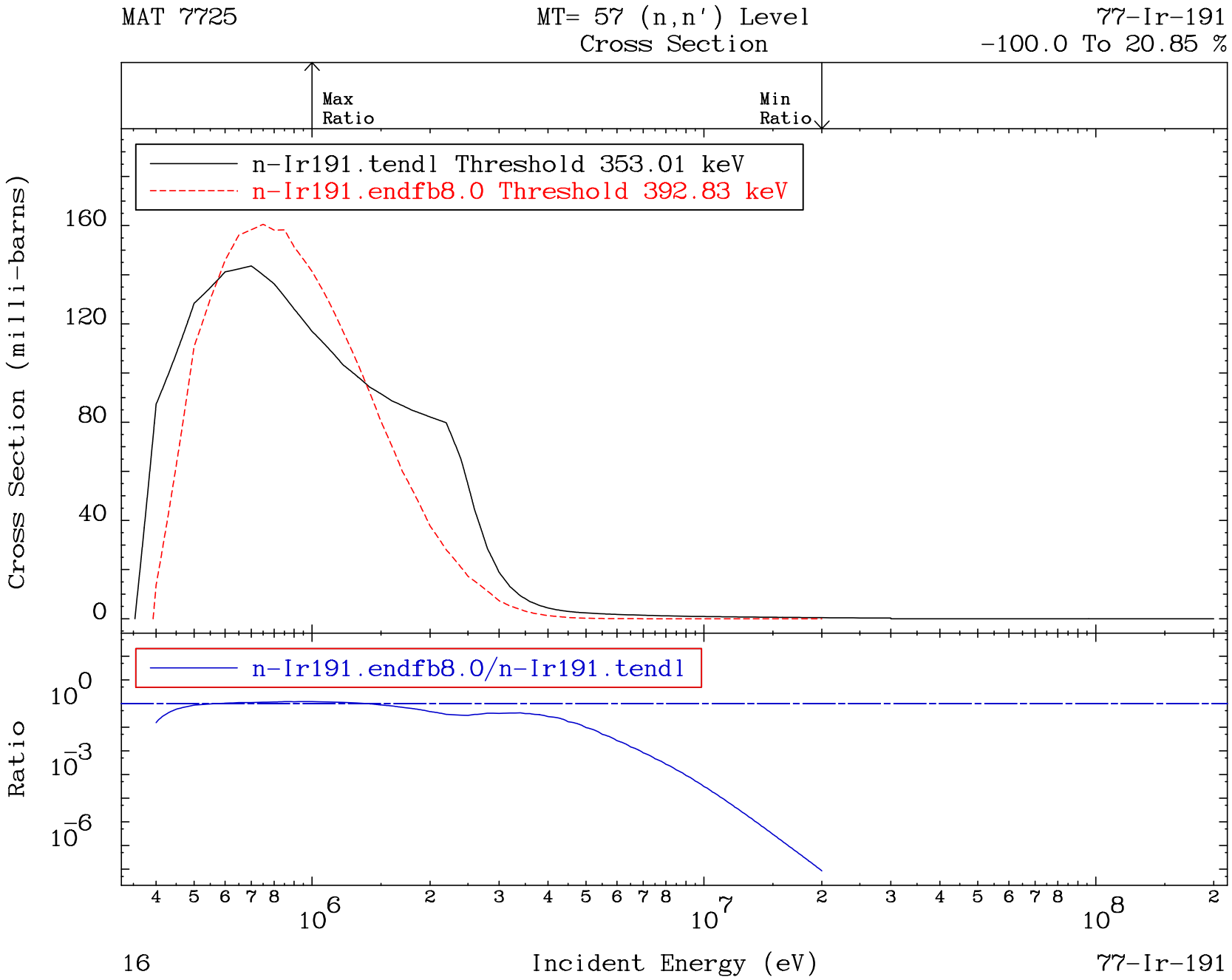

MAT 7725
MT= 52 (n,n') Level
Cross Section
77-Ir-191
70.64 To 9162. %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 130.10 keV
n-Ir191.endfb8.0 Threshold 130.10 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^2
4
10^1
4
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
77-Ir-191

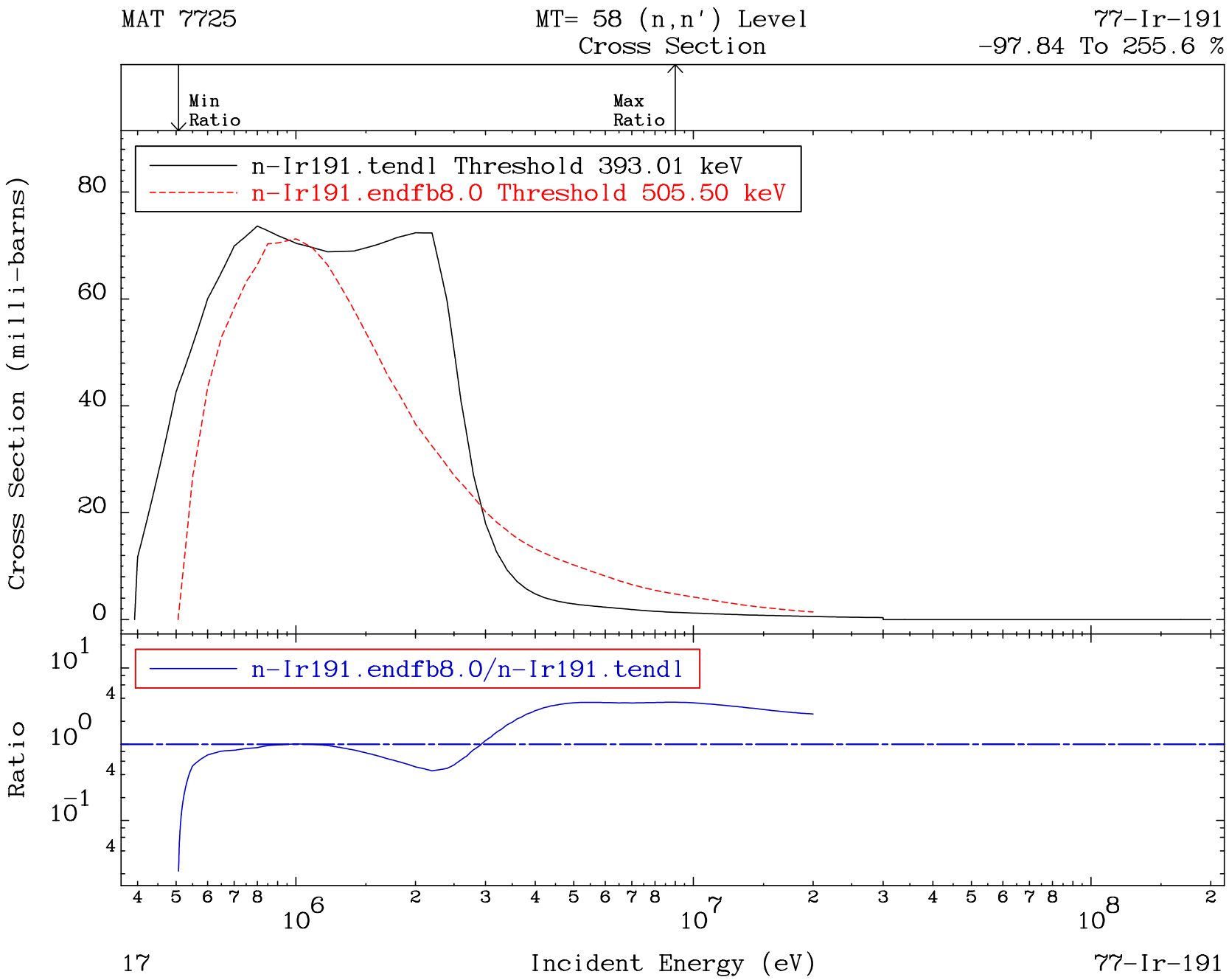

MAT 7725
MT= 53 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 525.9 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 172.20 keV
n-Ir191.endfb8.0 Threshold 172.14 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
77-Ir-191

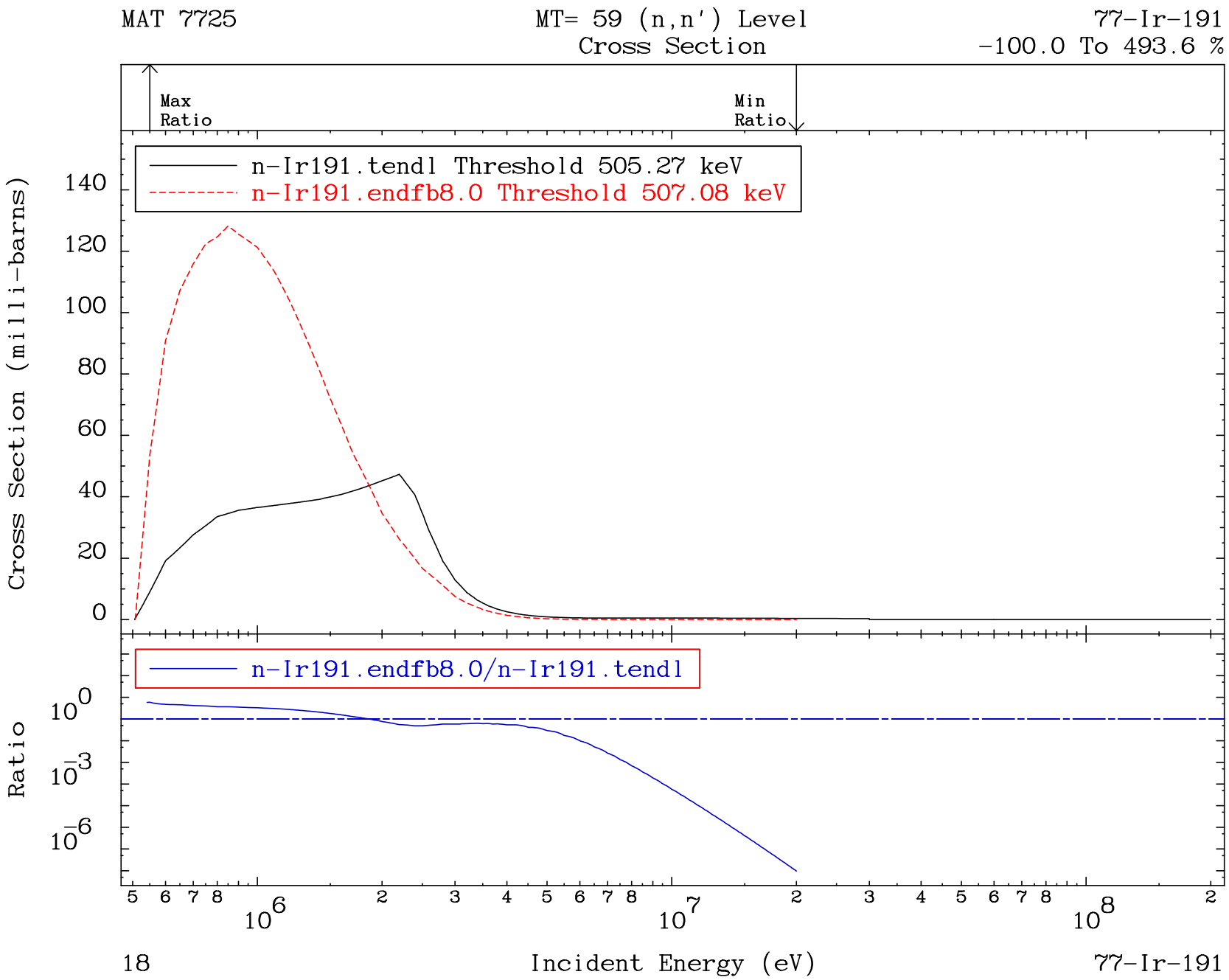

MAT 7725
MT= 54 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 82.84 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 179.90 keV
n-Ir191.endfb8.0 Threshold 179.90 keV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
77-Ir-191

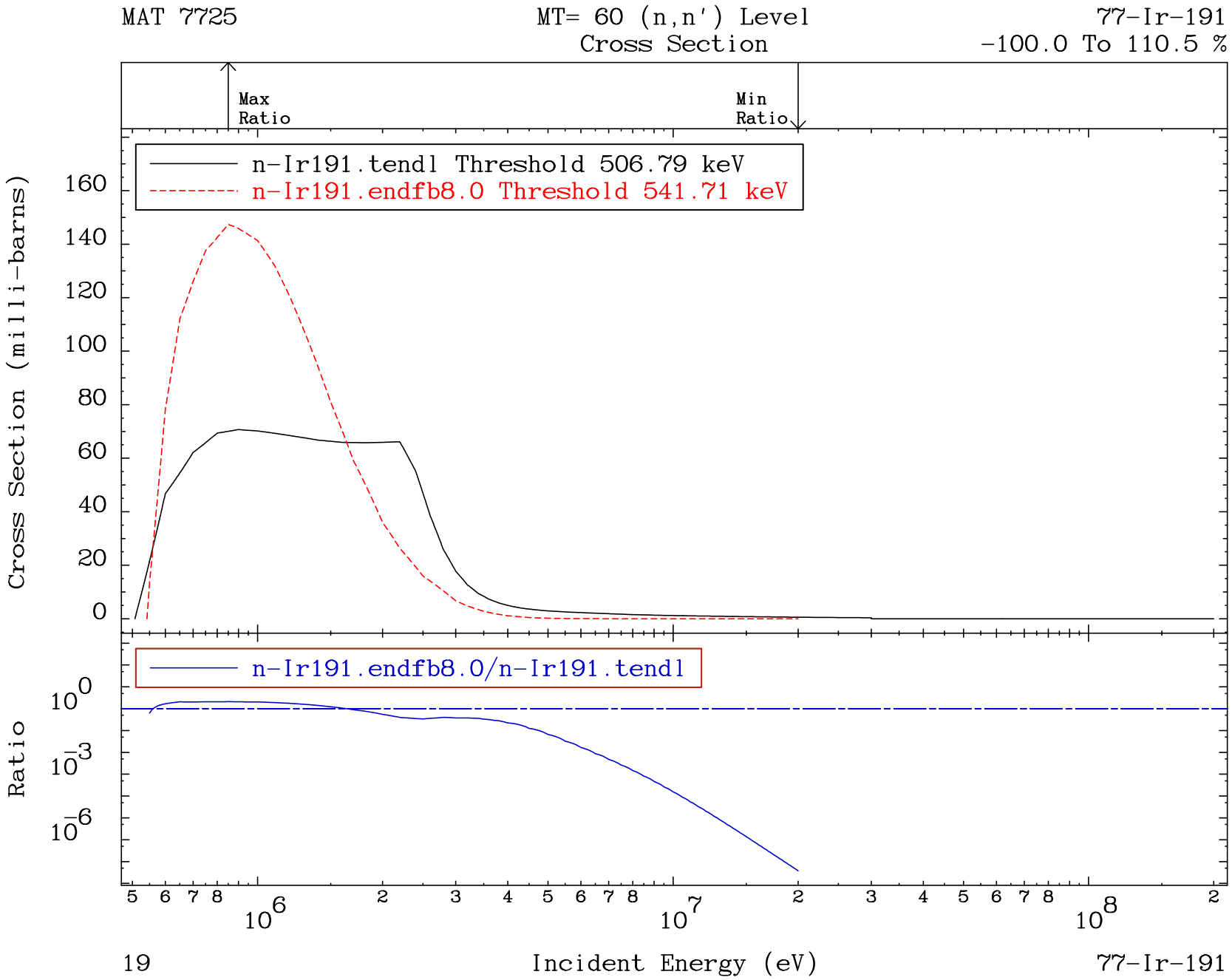

MAT 7725
MT= 55 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 9999. %
Min
Ratio
Max
Ratio
n-Ir191.tendl Threshold 301.99 keV
n-Ir191.endfb8.0 Threshold 345.17 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^3
10^0
10^-3
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
77-Ir-191

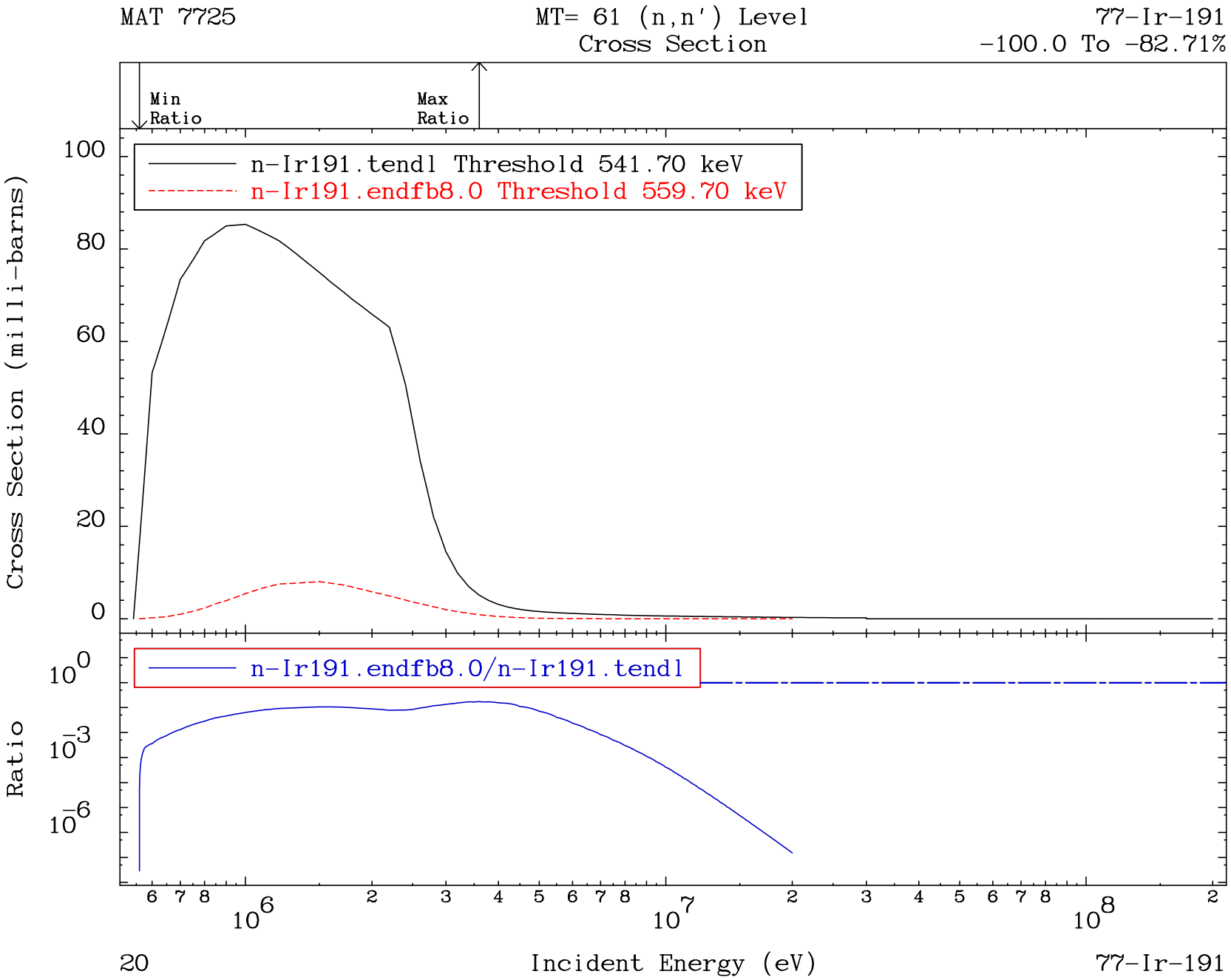

MAT 7725
MT= 56 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 156.4 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 345.04 keV
n-Ir191.endfb8.0 Threshold 352.99 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
77-Ir-191

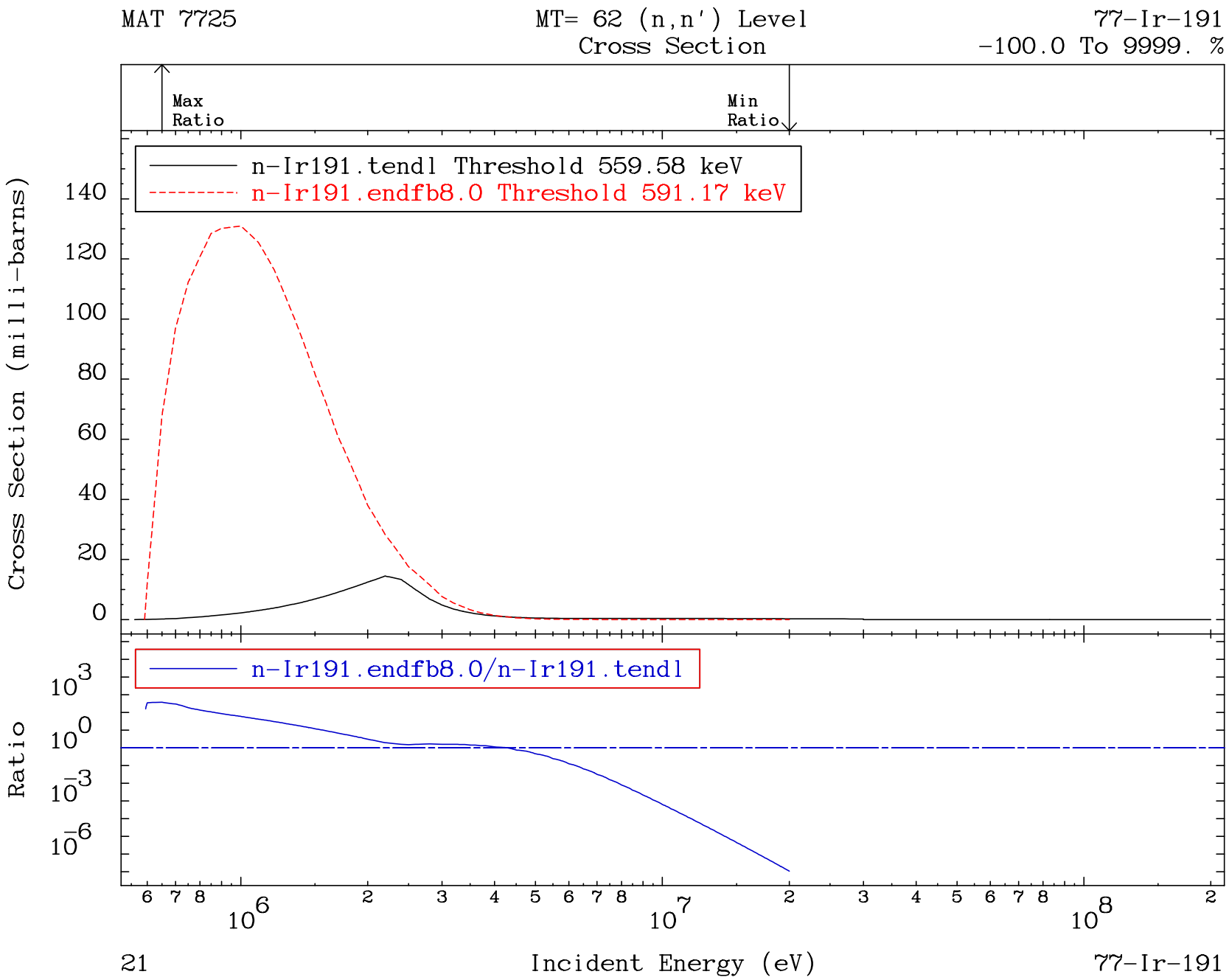

MAT 7725
MT= 57 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 20.85 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 353.01 keV
n-Ir191.endfb8.0 Threshold 392.83 keV
Cross Section (milli-barns)
160
120
80
40
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
77-Ir-191

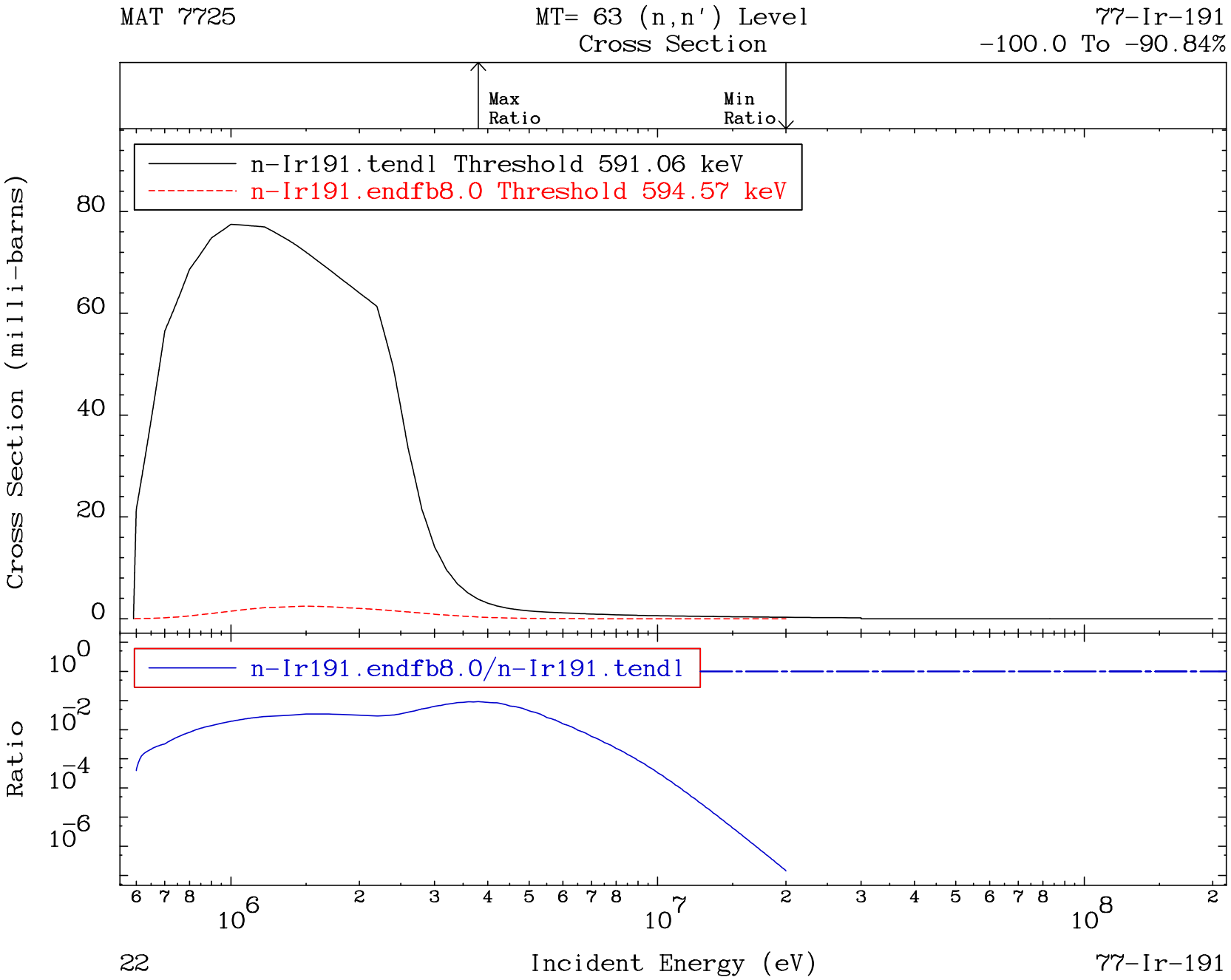

MAT 7725
MT= 58 (n,n') Level
Cross Section
77-Ir-191
-97.84 To 255.6 %
Min
Ratio
Max
Ratio
n-Ir191.tendl Threshold 393.01 keV
n-Ir191.endfb8.0 Threshold 505.50 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^1
10^0
10^-1
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
77-Ir-191

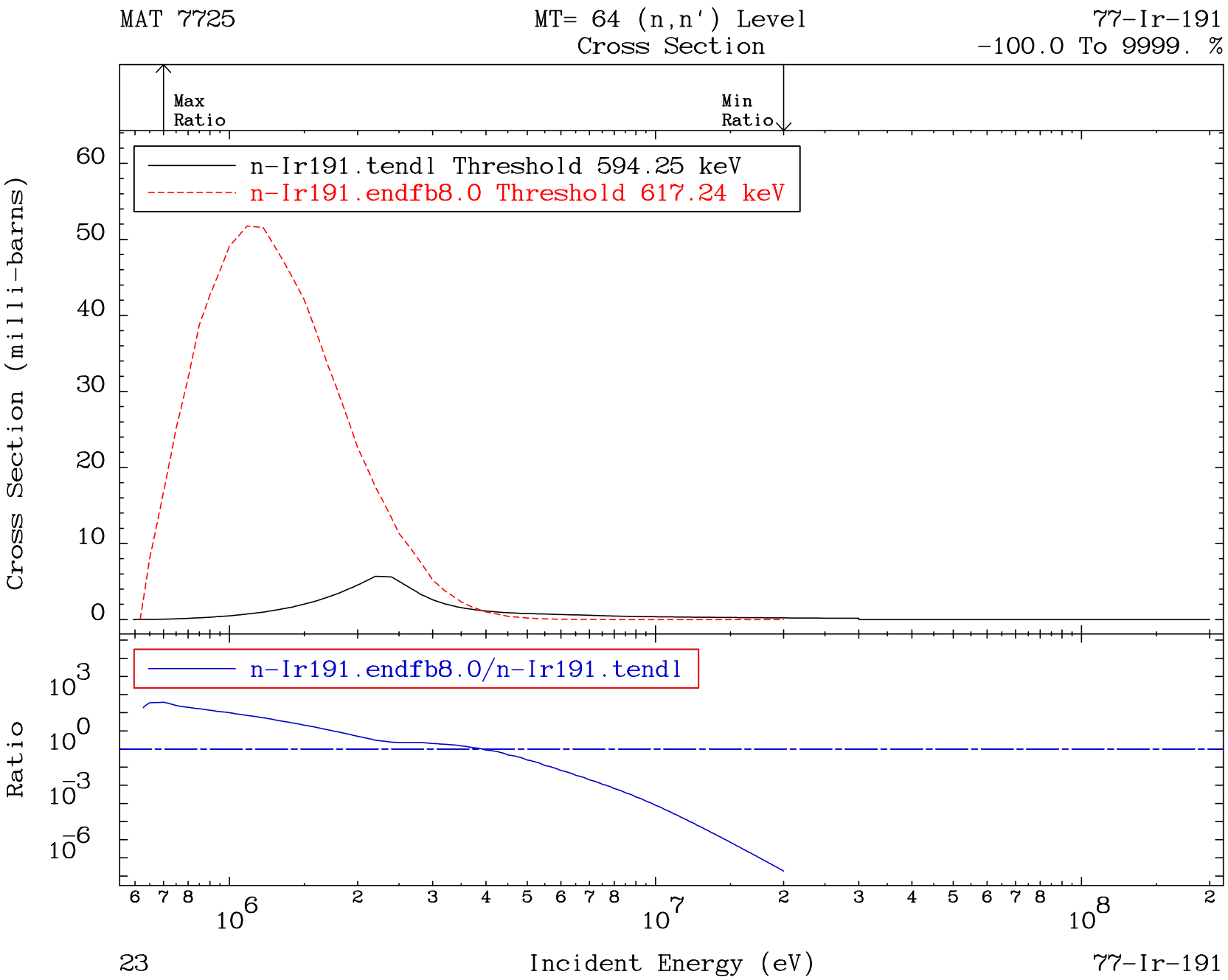

MAT 7725
MT= 59 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 493.6 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 505.27 keV
n-Ir191.endfb8.0 Threshold 507.08 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
77-Ir-191

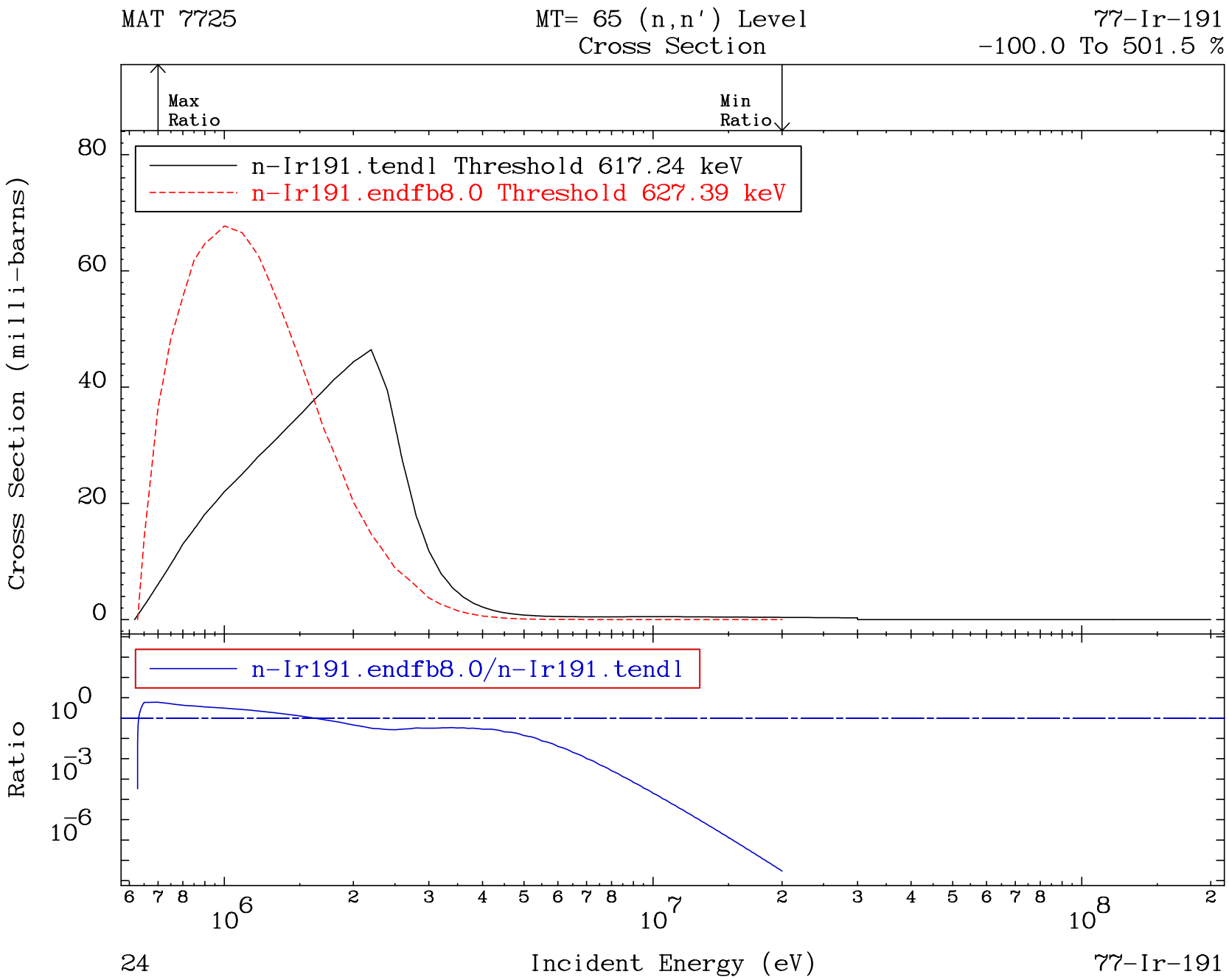

MAT 7725
MT= 60 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 110.5 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 506.79 keV
n-Ir191.endfb8.0 Threshold 541.71 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
77-Ir-191

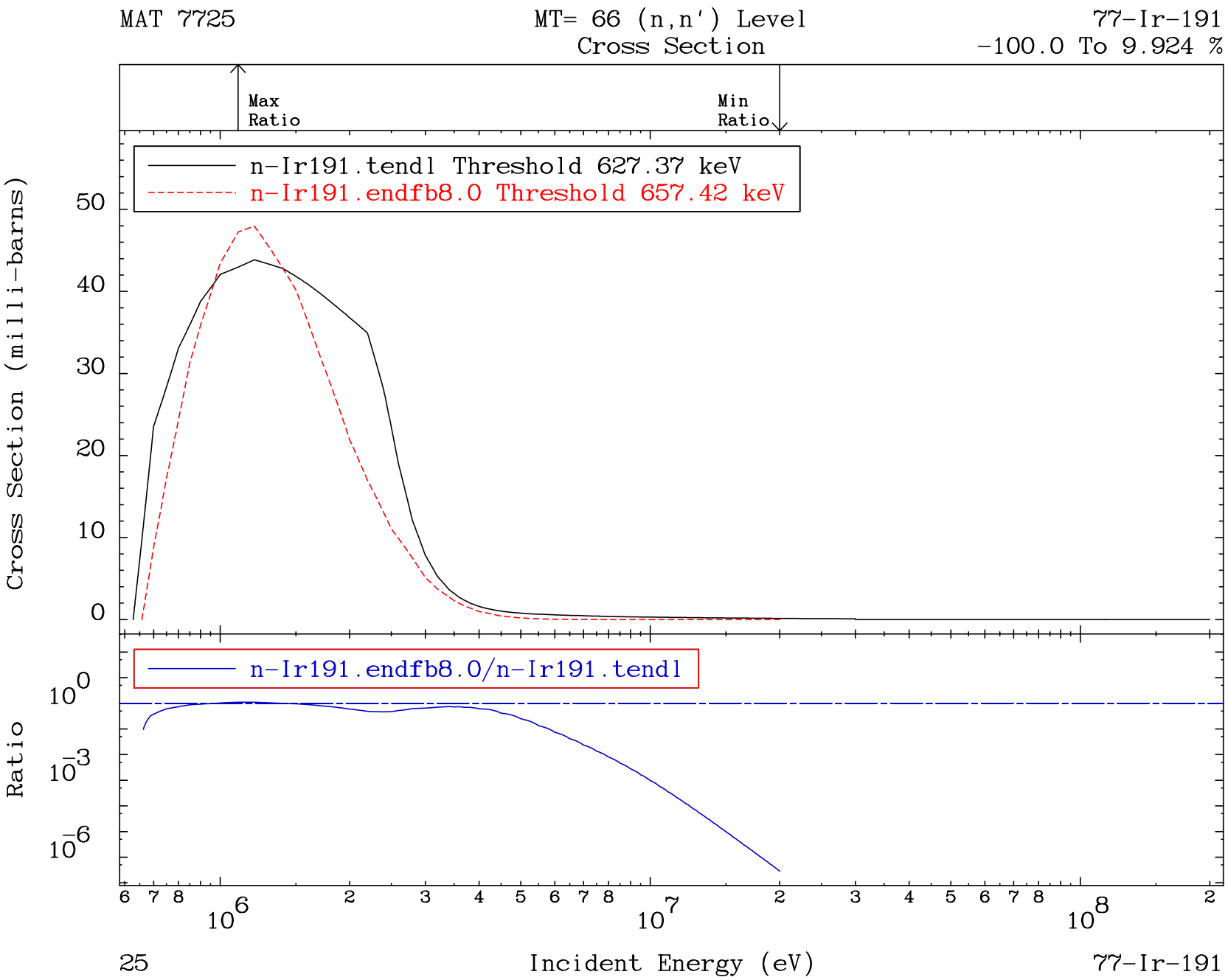

MAT 7725
MT= 61 (n,n') Level
Cross Section
77-Ir-191
-100.0 To -82.71%
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 541.70 keV
n-Ir191.endfb8.0 Threshold 559.70 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
77-Ir-191

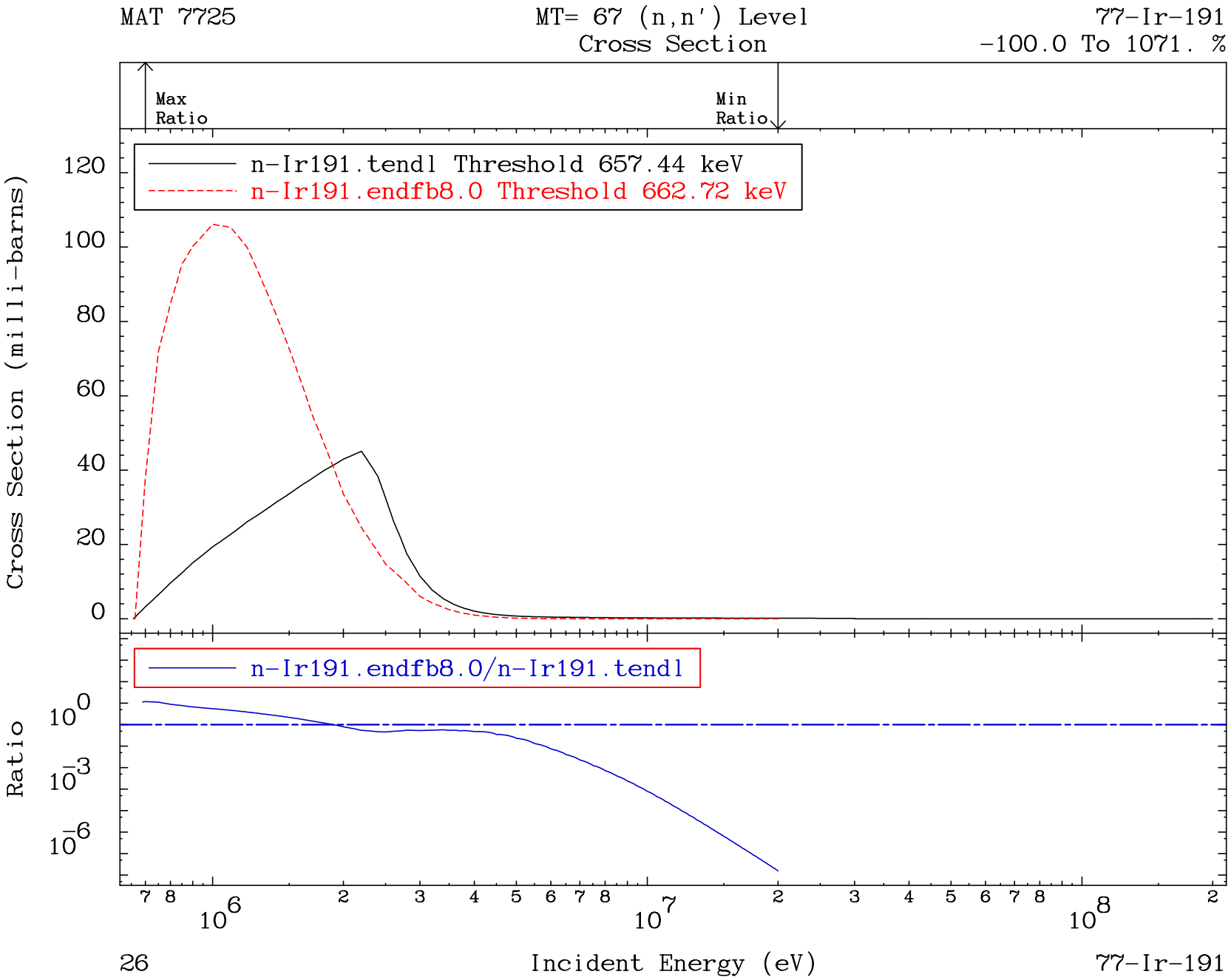

MAT 7725
MT= 62 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 9999. %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 559.58 keV
n-Ir191.endfb8.0 Threshold 591.17 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^3
10^0
10^-3
10^-6
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
77-Ir-191

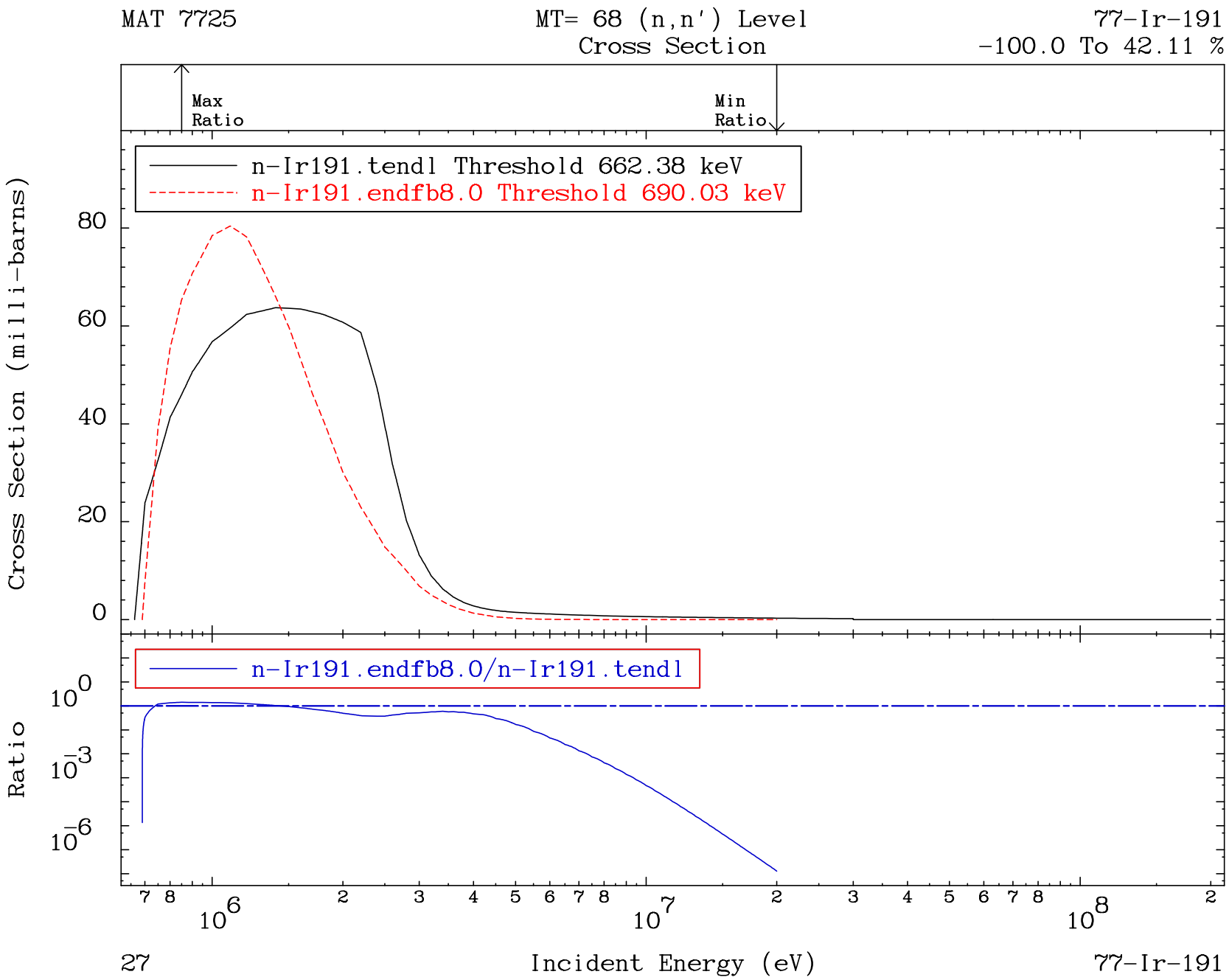

MAT 7725
MT= 63 (n,n') Level
Cross Section
77-Ir-191
-100.0 To -90.84%
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 591.06 keV
n-Ir191.endfb8.0 Threshold 594.57 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-2
10^-4
10^-6
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
77-Ir-191

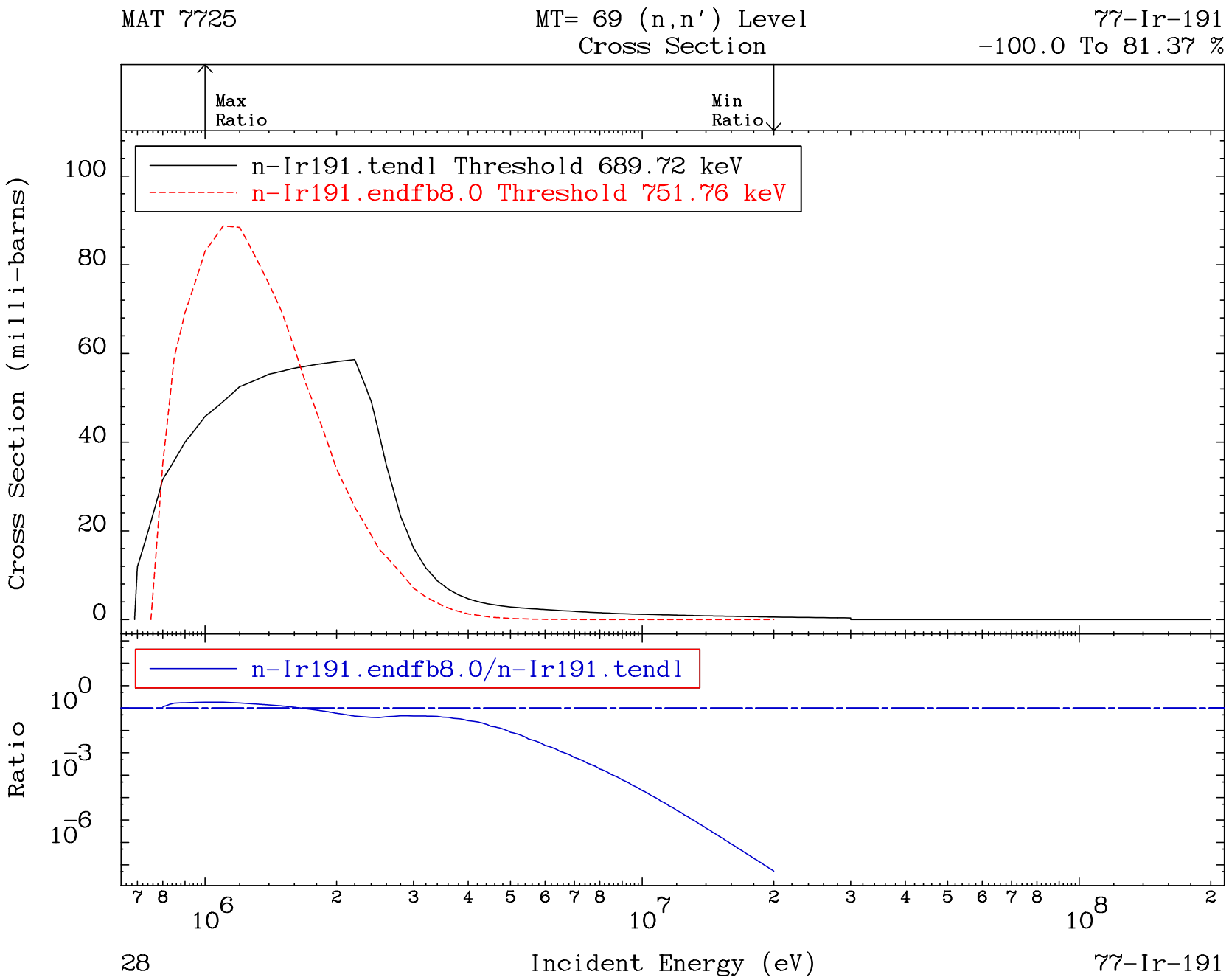

MAT 7725
MT= 64 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 594.25 keV
n-Ir191.endfb8.0 Threshold 617.24 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^3
10^0
10^-3
10^-6
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
77-Ir-191

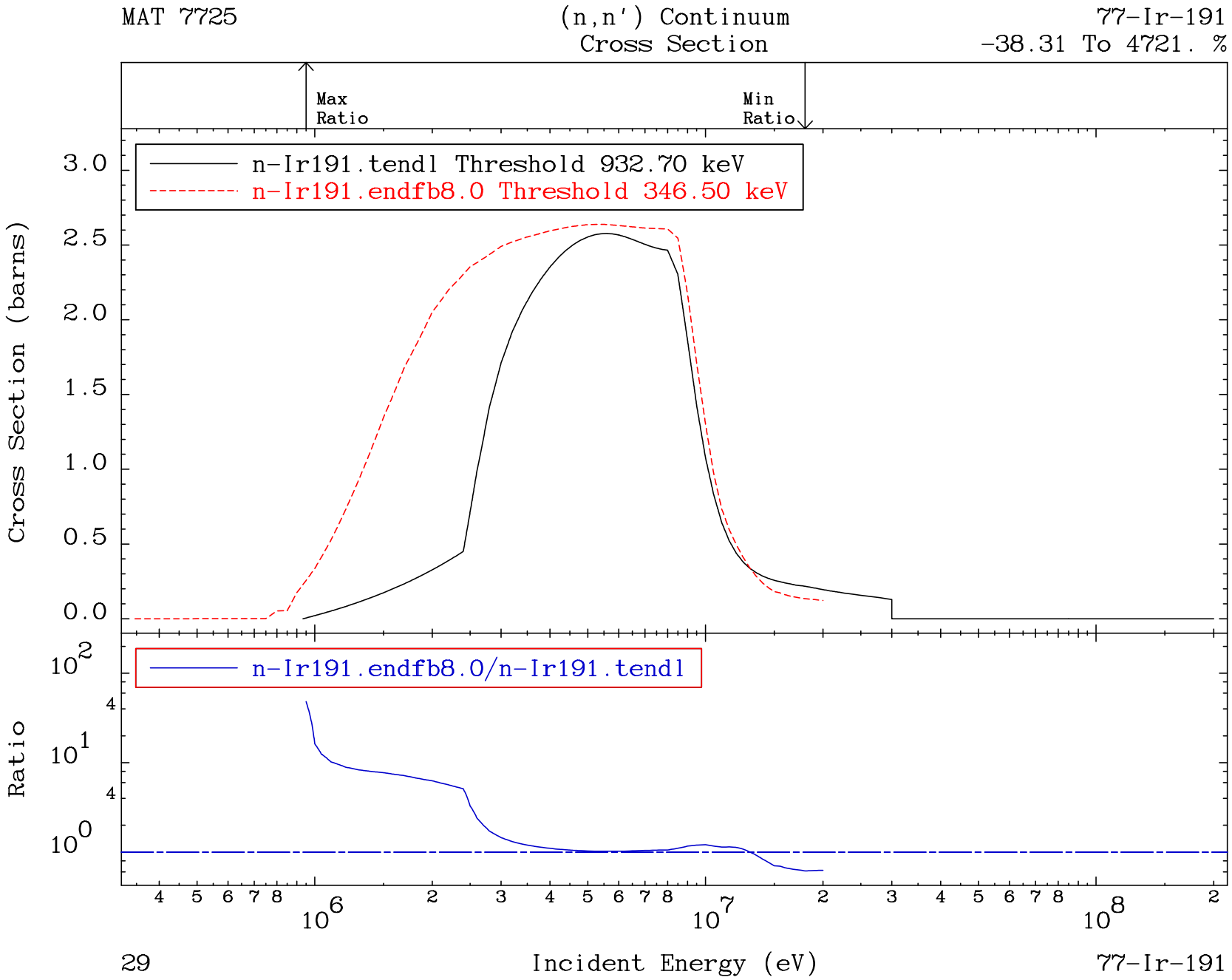

MAT 7725
MT= 65 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 501.5 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 617.24 keV
n-Ir191.endfb8.0 Threshold 627.39 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
77-Ir-191

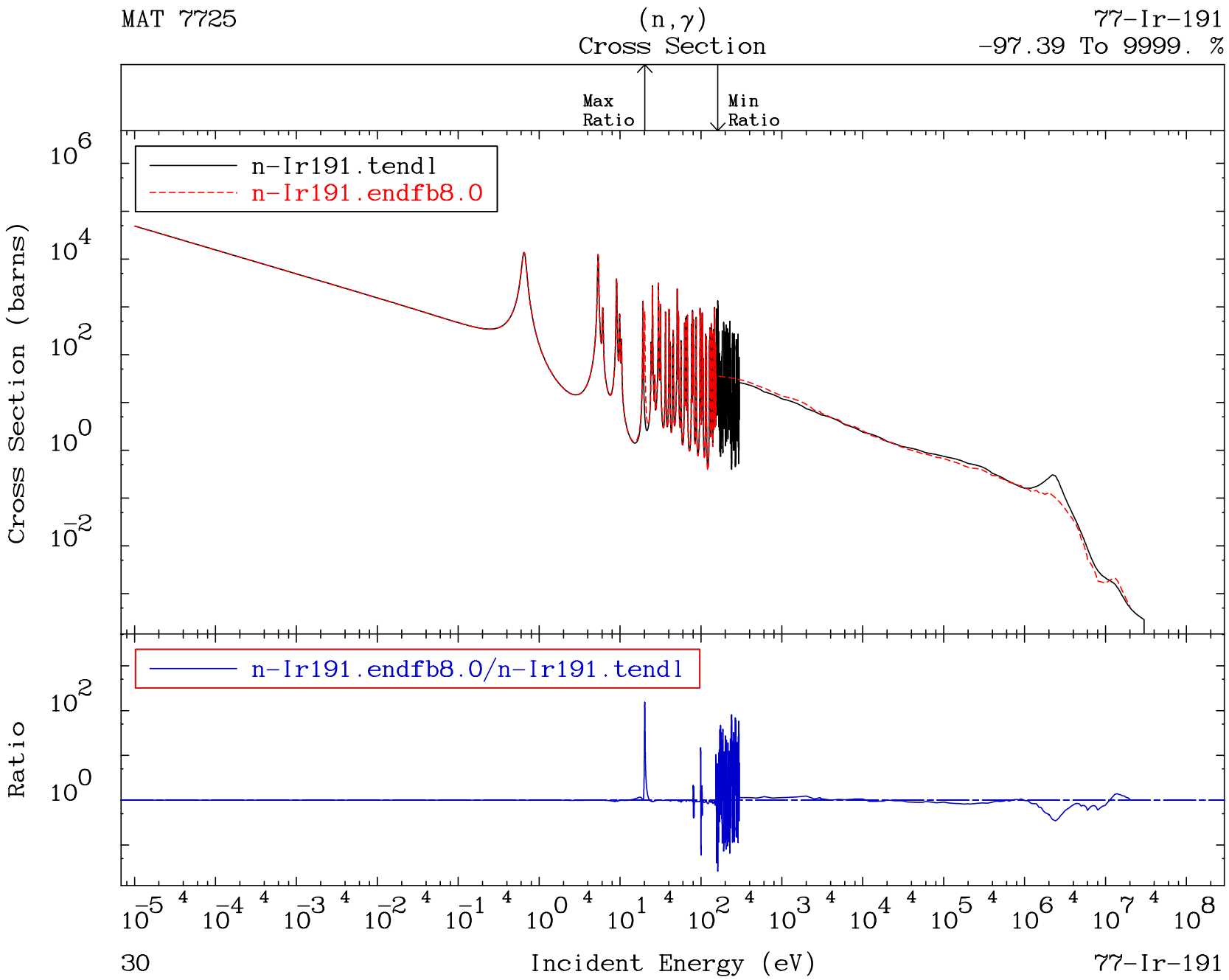

MAT 7725
MT= 66 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 9.924 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 627.37 keV
n-Ir191.endfb8.0 Threshold 657.42 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
77-Ir-191

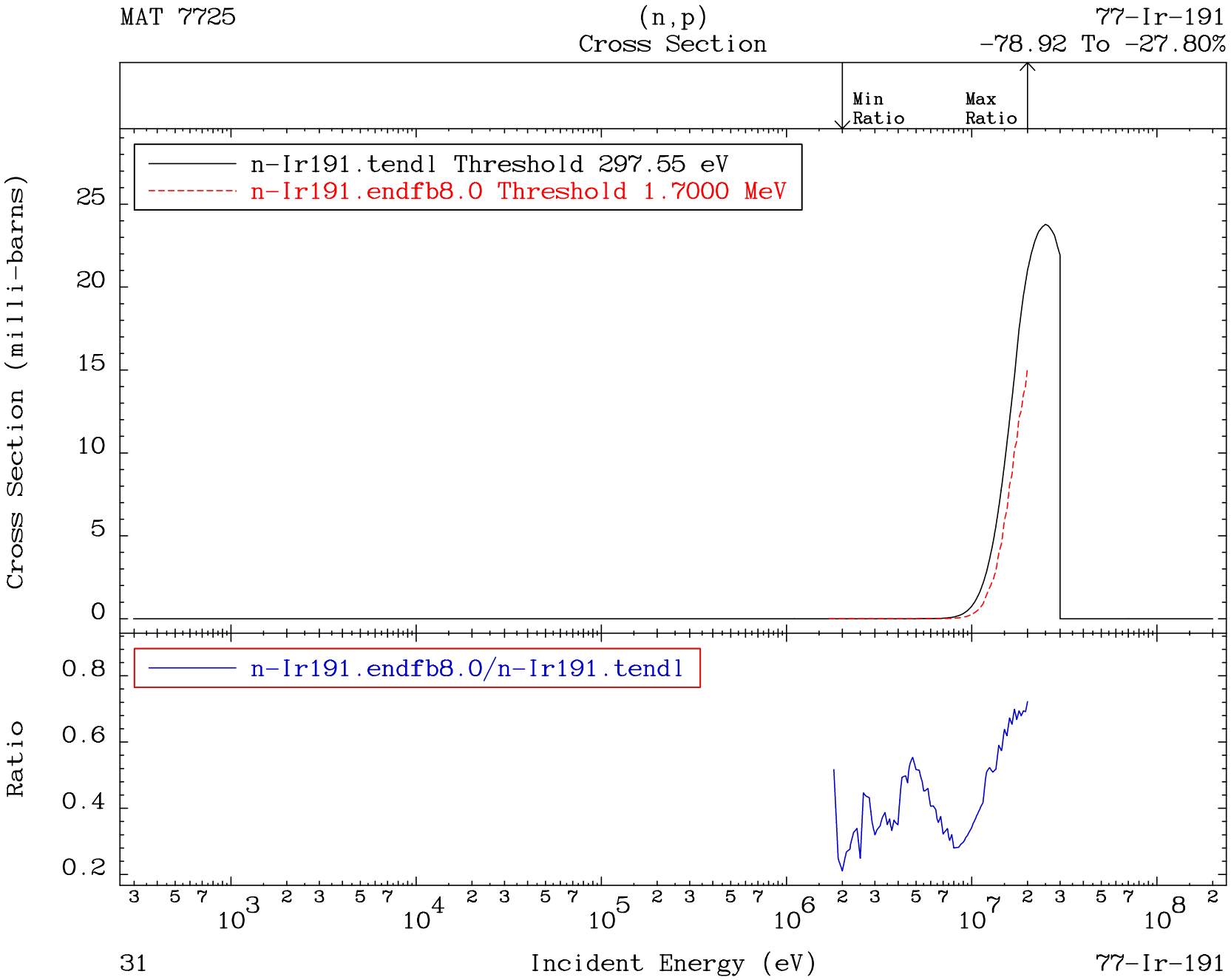

MAT 7725
MT= 67 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 1071. %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 657.44 keV
n-Ir191.endfb8.0 Threshold 662.72 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
77-Ir-191

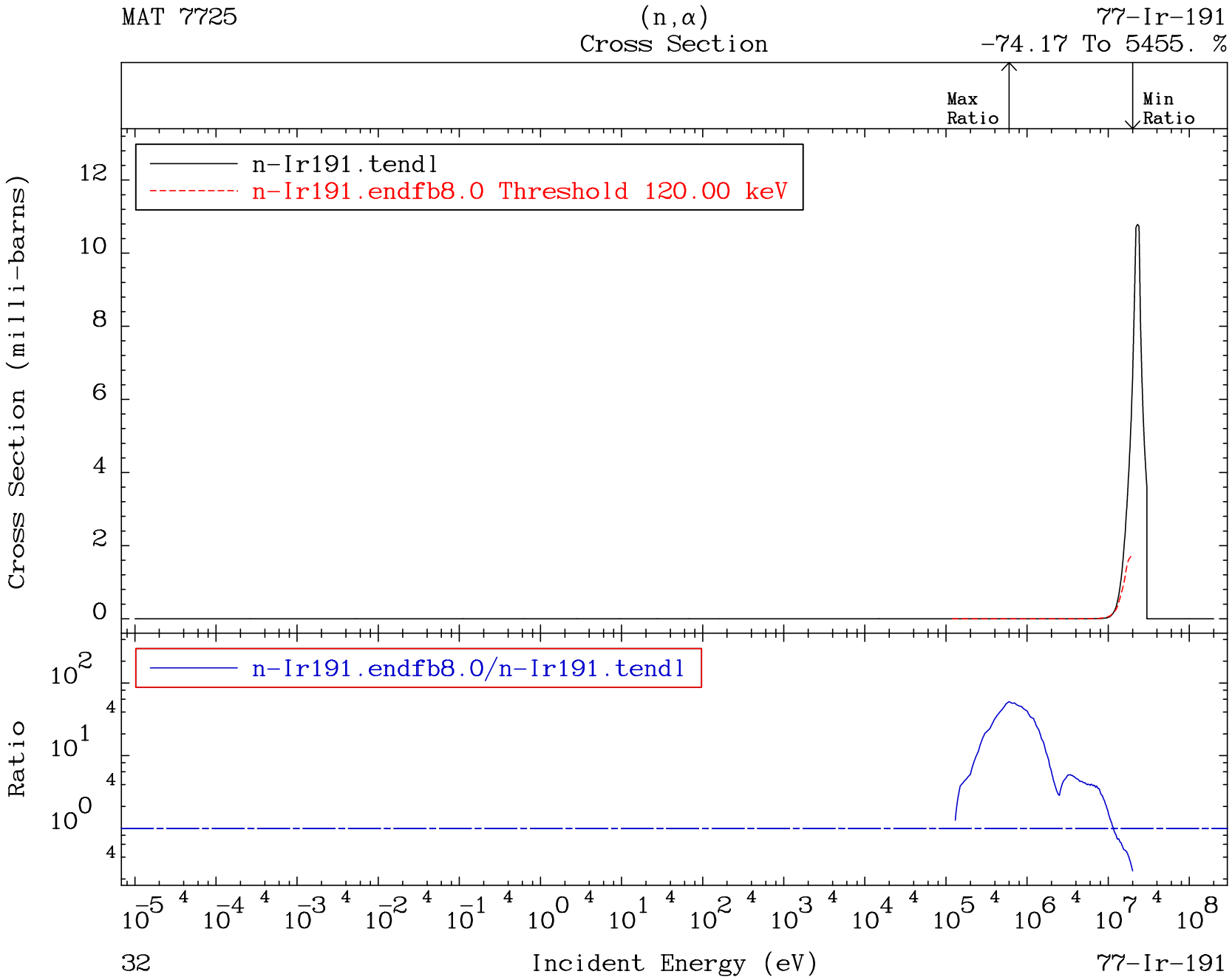

MAT 7725
MT= 68 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 42.11 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 662.38 keV
n-Ir191.endfb8.0 Threshold 690.03 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
77-Ir-191

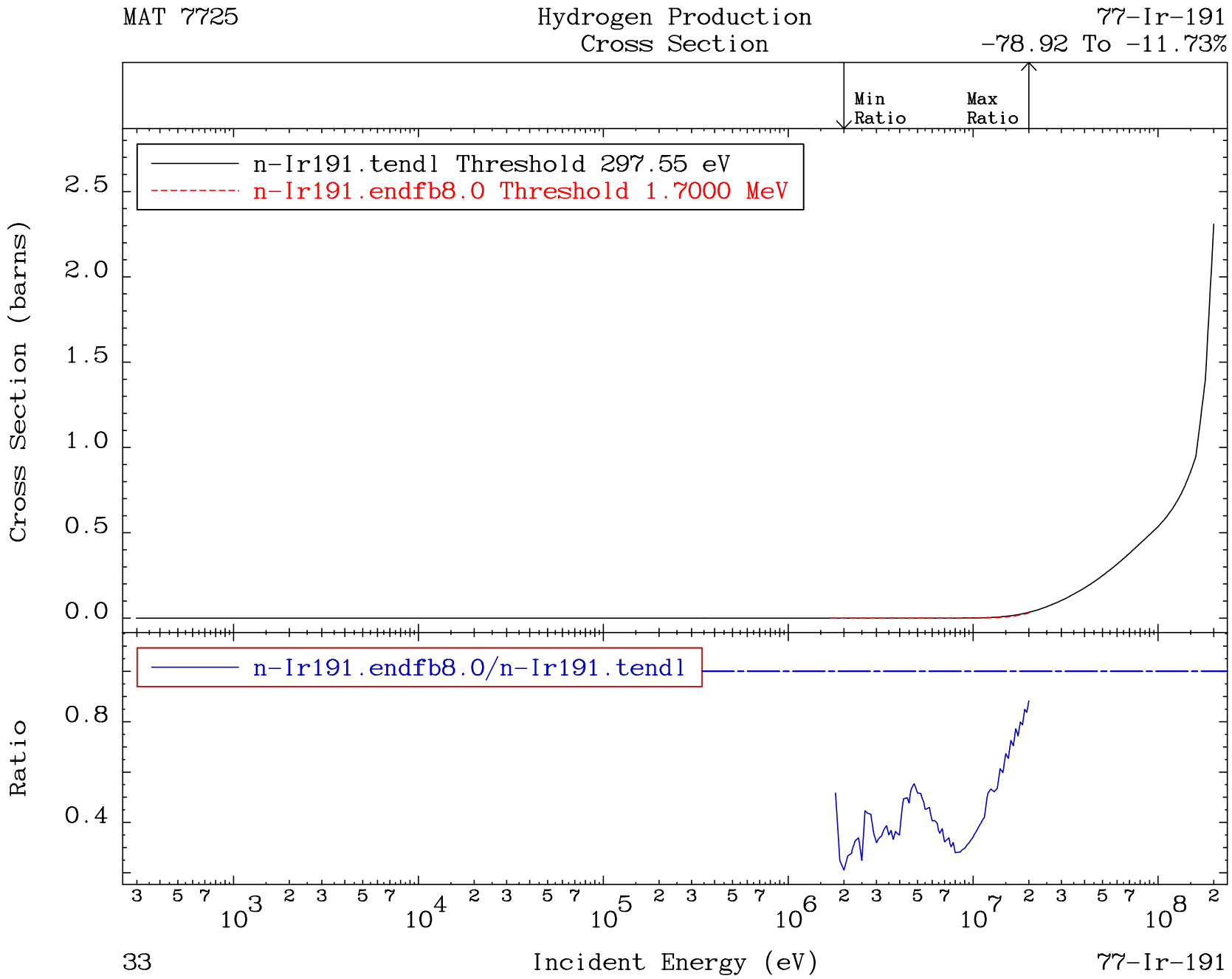

MAT 7725
MT= 69 (n,n') Level
Cross Section
77-Ir-191
-100.0 To 81.37 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 689.72 keV
n-Ir191.endfb8.0 Threshold 751.76 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-3
10^-6
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
77-Ir-191

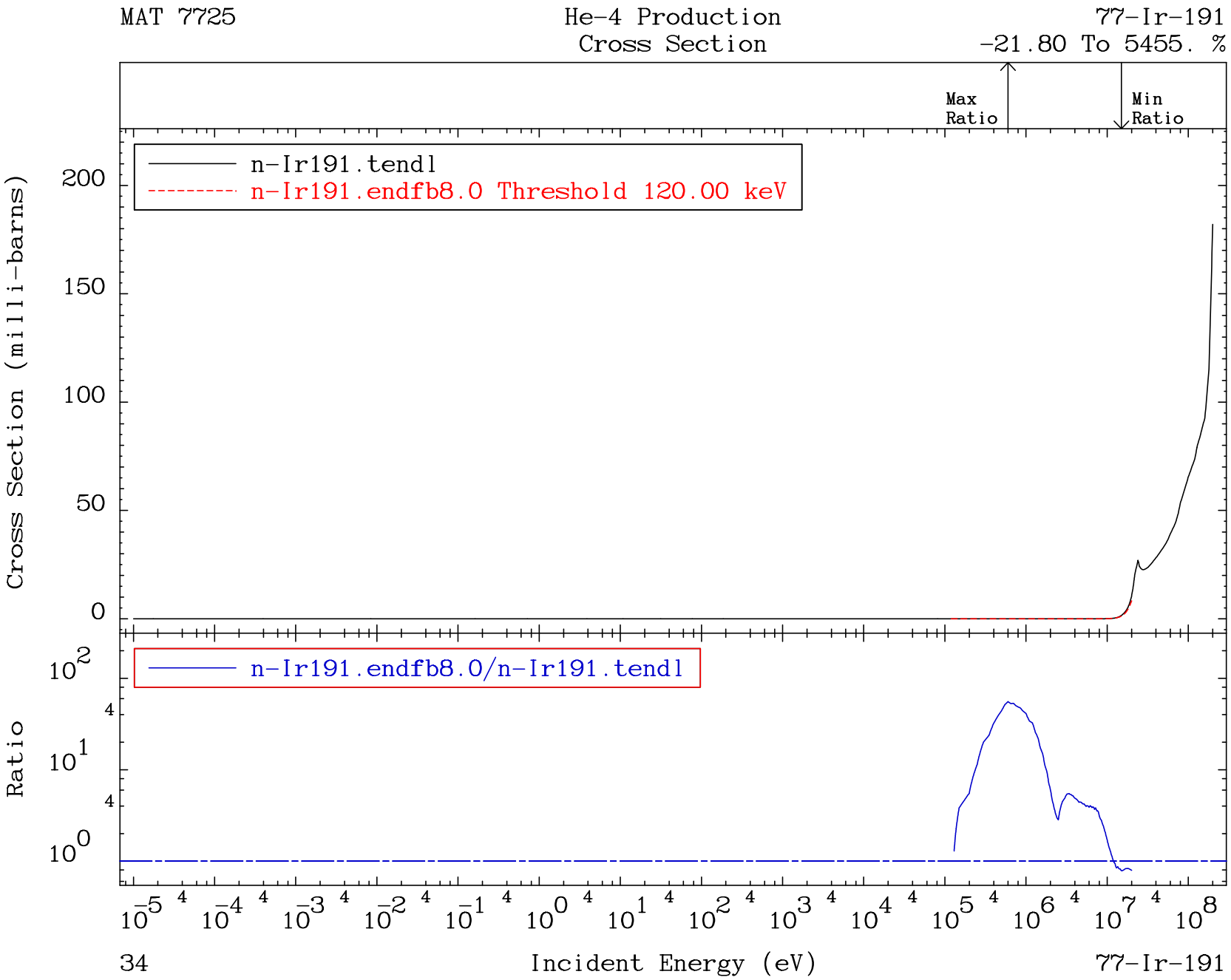

MAT 7725
(n,n') Continuum
Cross Section
77-Ir-191
-38.31 To 4721. %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 932.70 keV
n-Ir191.endfb8.0 Threshold 346.50 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^2
10^1
10^0
4
4
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
77-Ir-191

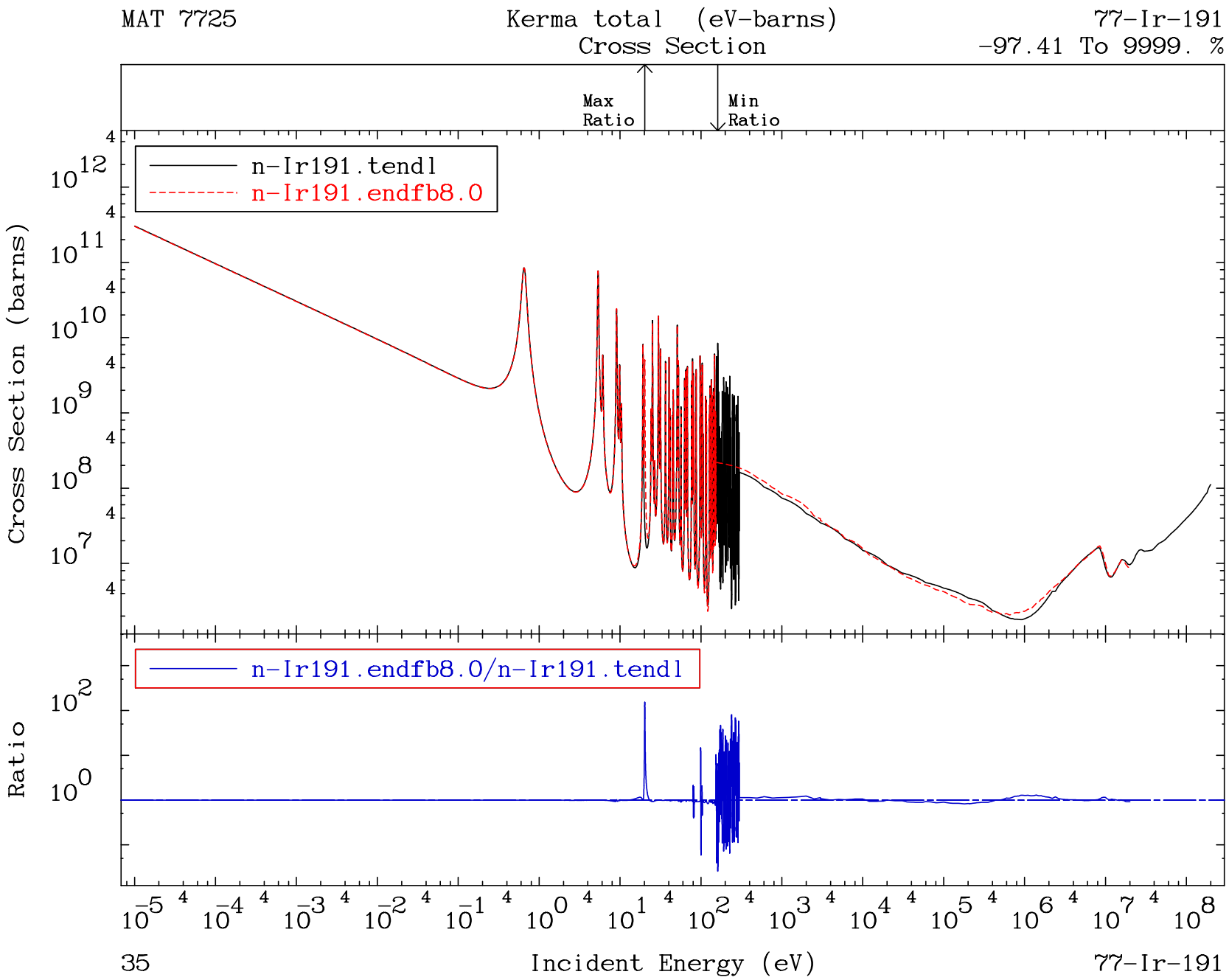

MAT 7725
(n,γ)
Cross Section
77-Ir-191
-97.39 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
30
77-Ir-191

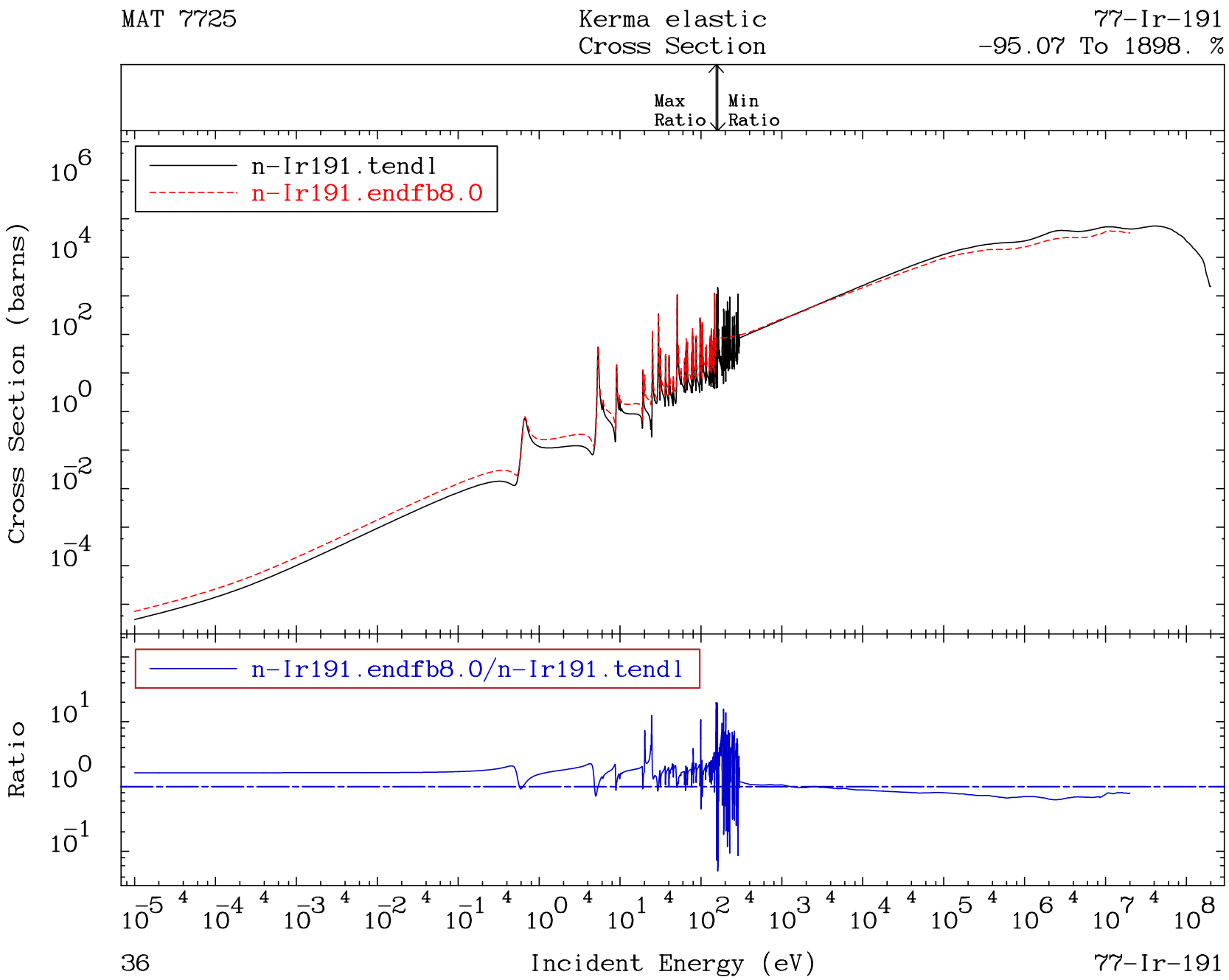

MAT 7725
(n,p)
Cross Section
77-Ir-191
-78.92 To -27.80%
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 297.55 eV
n-Ir191.endfb8.0 Threshold 1.7000 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
0.2
0.4
0.6
0.8
3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
31
Incident Energy (eV)
77-Ir-191

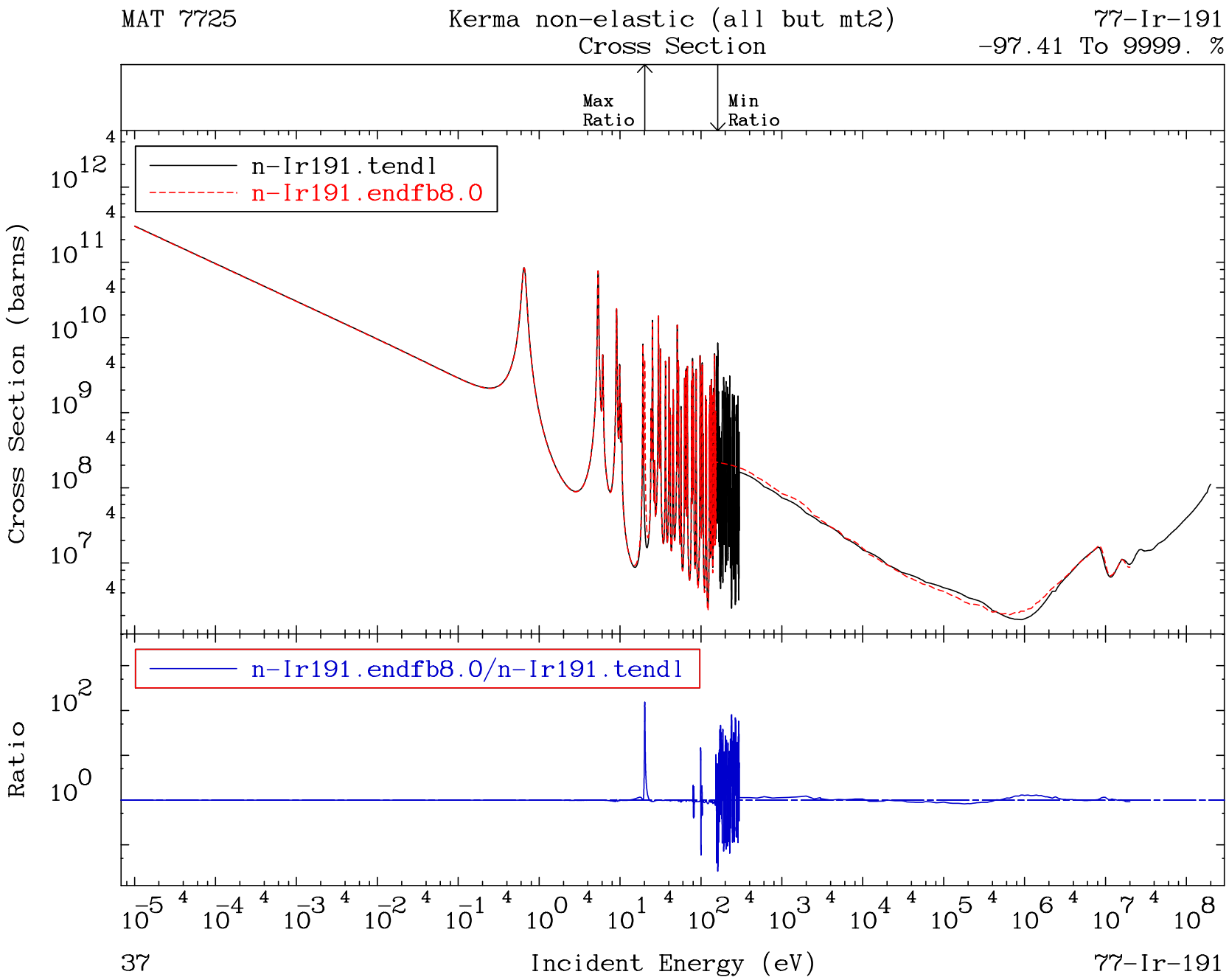

MAT 7725
(n,α)
Cross Section
77-Ir-191
-74.17 To 5455. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0 Threshold 120.00 keV
Cross Section (milli-barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
32
77-Ir-191

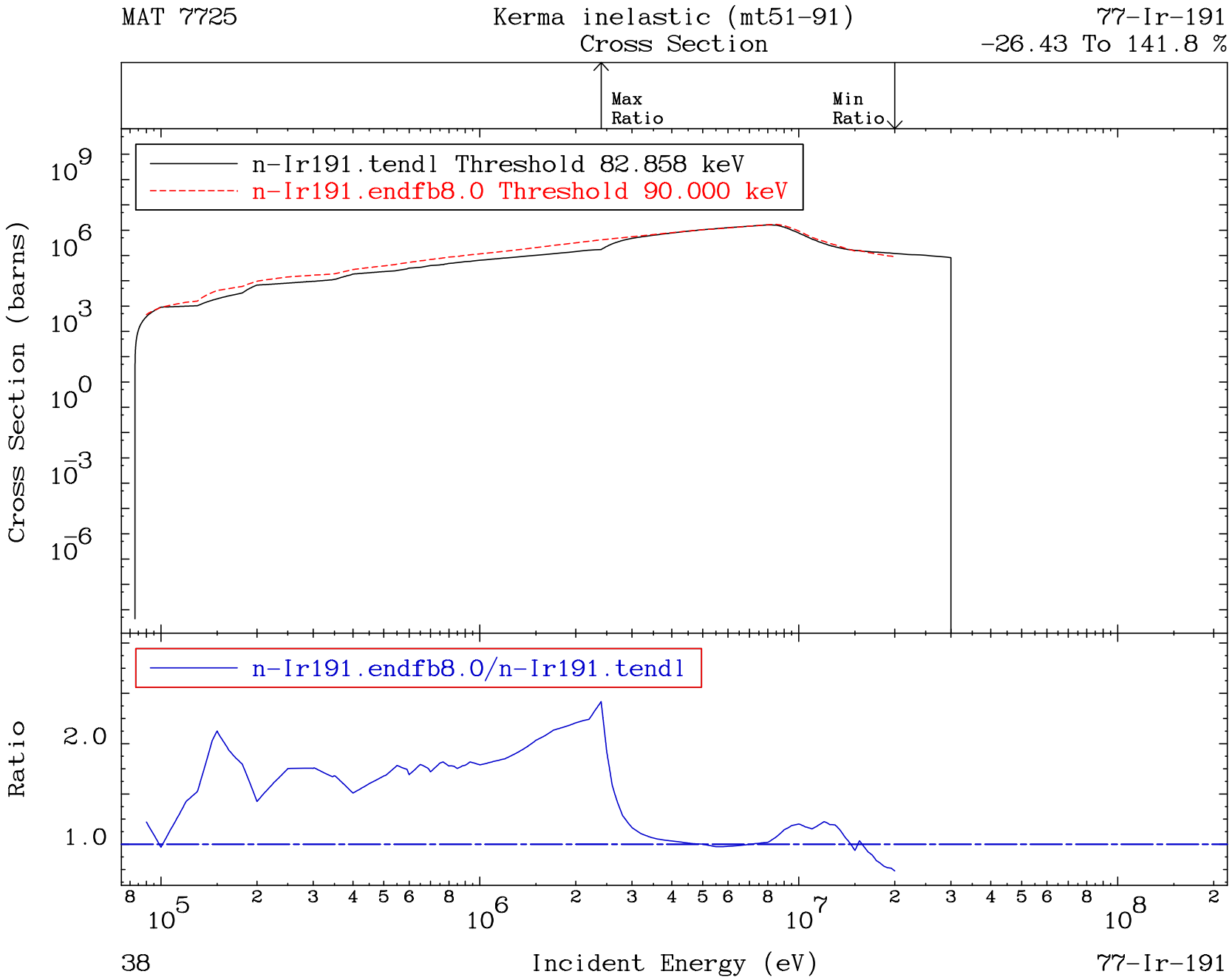

MAT 7725
Hydrogen Production
Cross Section
77-Ir-191
-78.92 To -11.73%
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 297.55 eV
n-Ir191.endfb8.0 Threshold 1.7000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
0.8
0.4
3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
33
Incident Energy (eV)
77-Ir-191

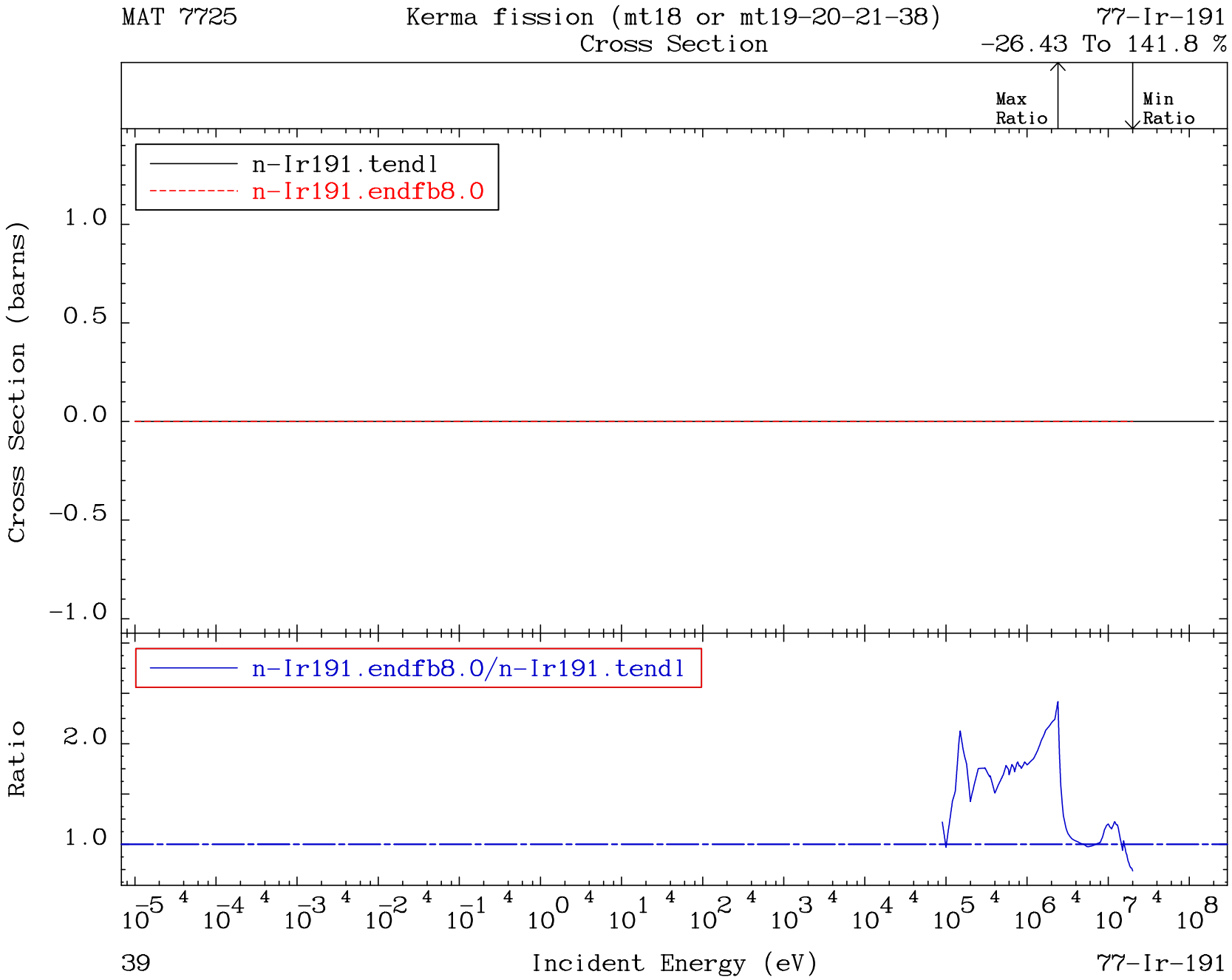

MAT 7725
He-4 Production
Cross Section
77-Ir-191
-21.80 To 5455. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0 Threshold 120.00 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^2
10^1
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
77-Ir-191

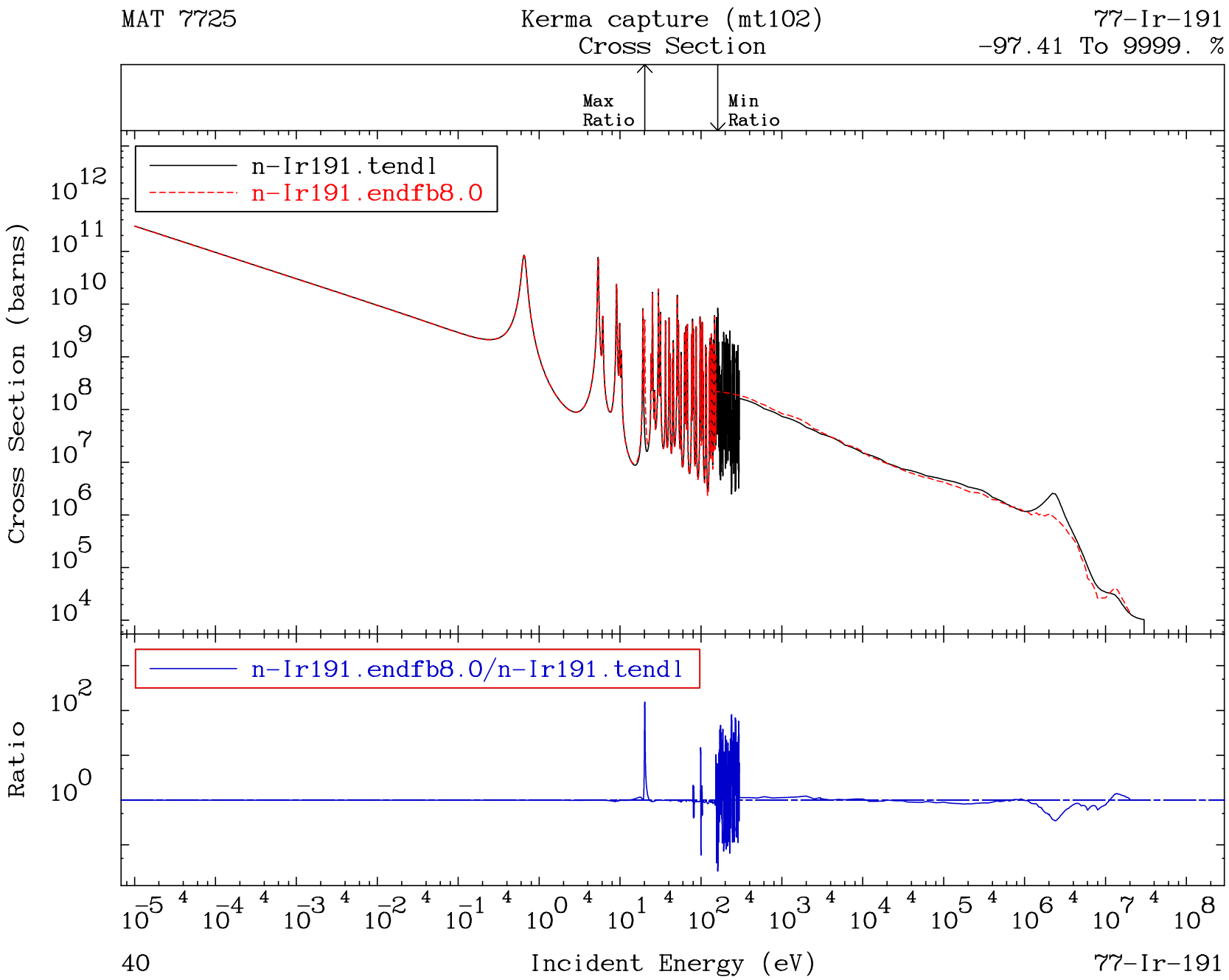

MAT 7725
Kerma total (eV-barns)
Cross Section
77-Ir-191
-97.41 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
35
77-Ir-191

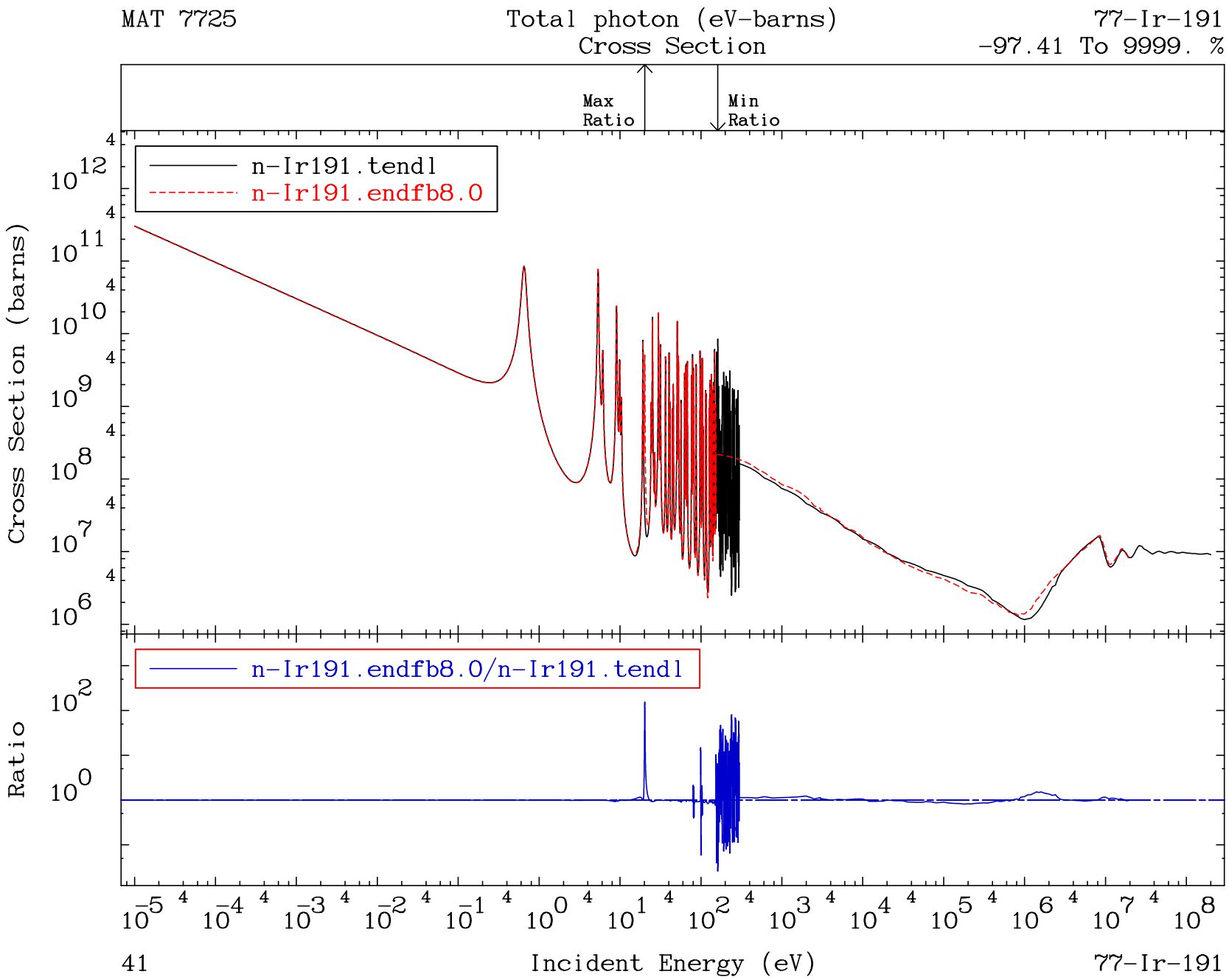

MAT 7725
Kerma elastic
Cross Section
77-Ir-191
-95.07 To 1898. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
36
77-Ir-191

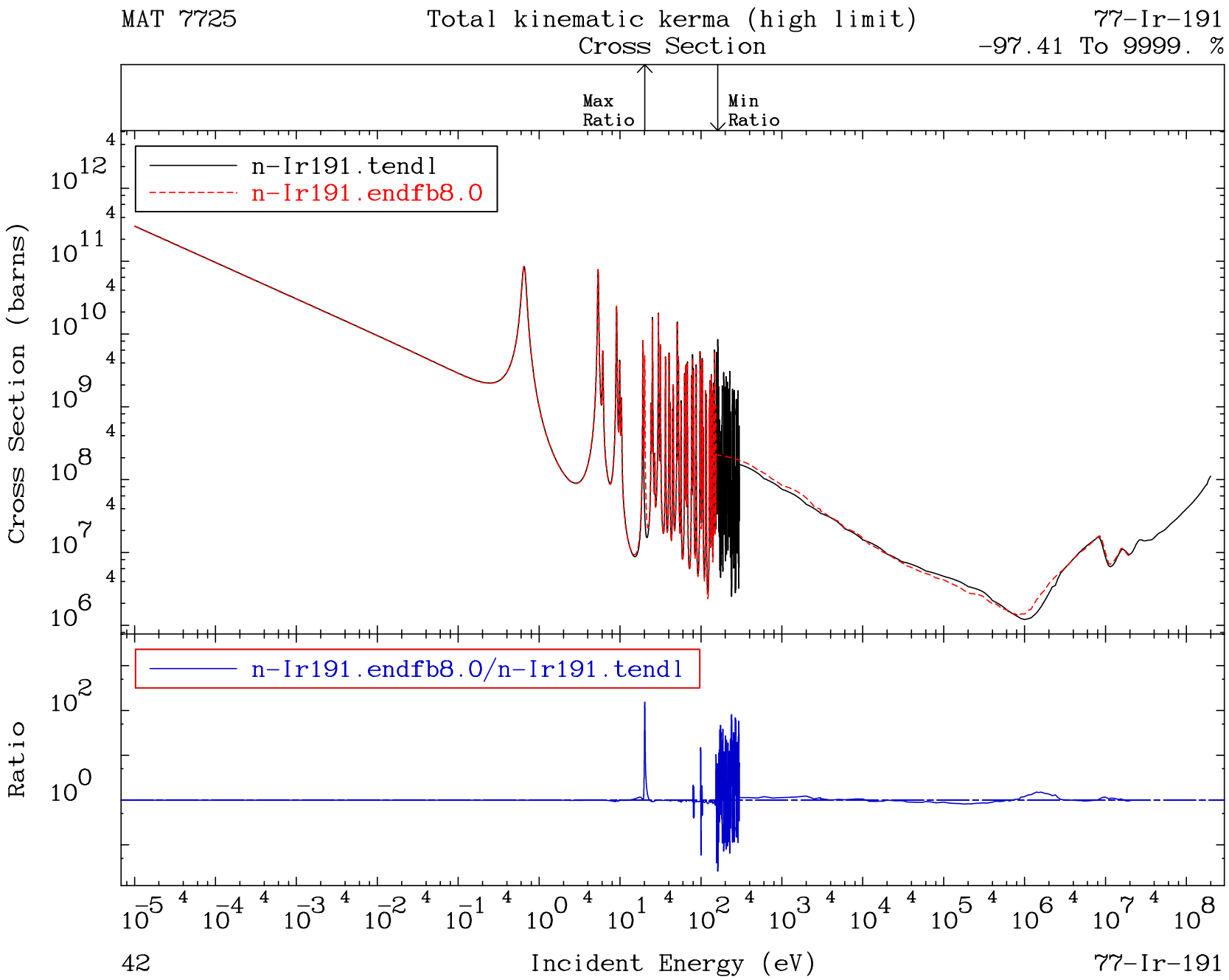

MAT 7725
Kerma non-elastic (all but mt2)
Cross Section
77-Ir-191
-97.41 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
37
77-Ir-191

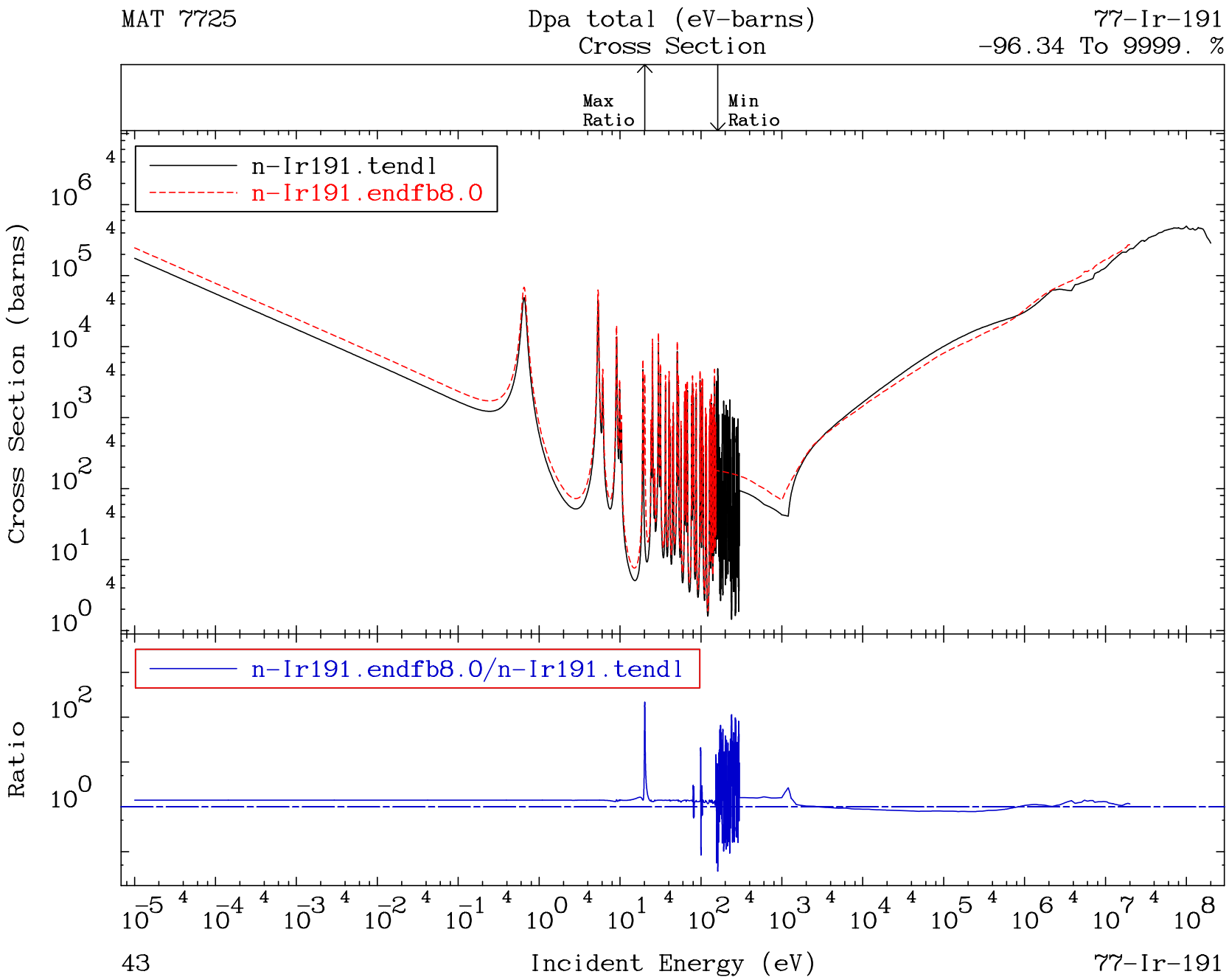

MAT 7725
Kerma inelastic (mt51-91)
Cross Section
77-Ir-191
-26.43 To 141.8 %
Max Ratio
Min Ratio
n-Ir191.tendl Threshold 82.858 keV
n-Ir191.endfb8.0 Threshold 90.000 keV
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
38
77-Ir-191

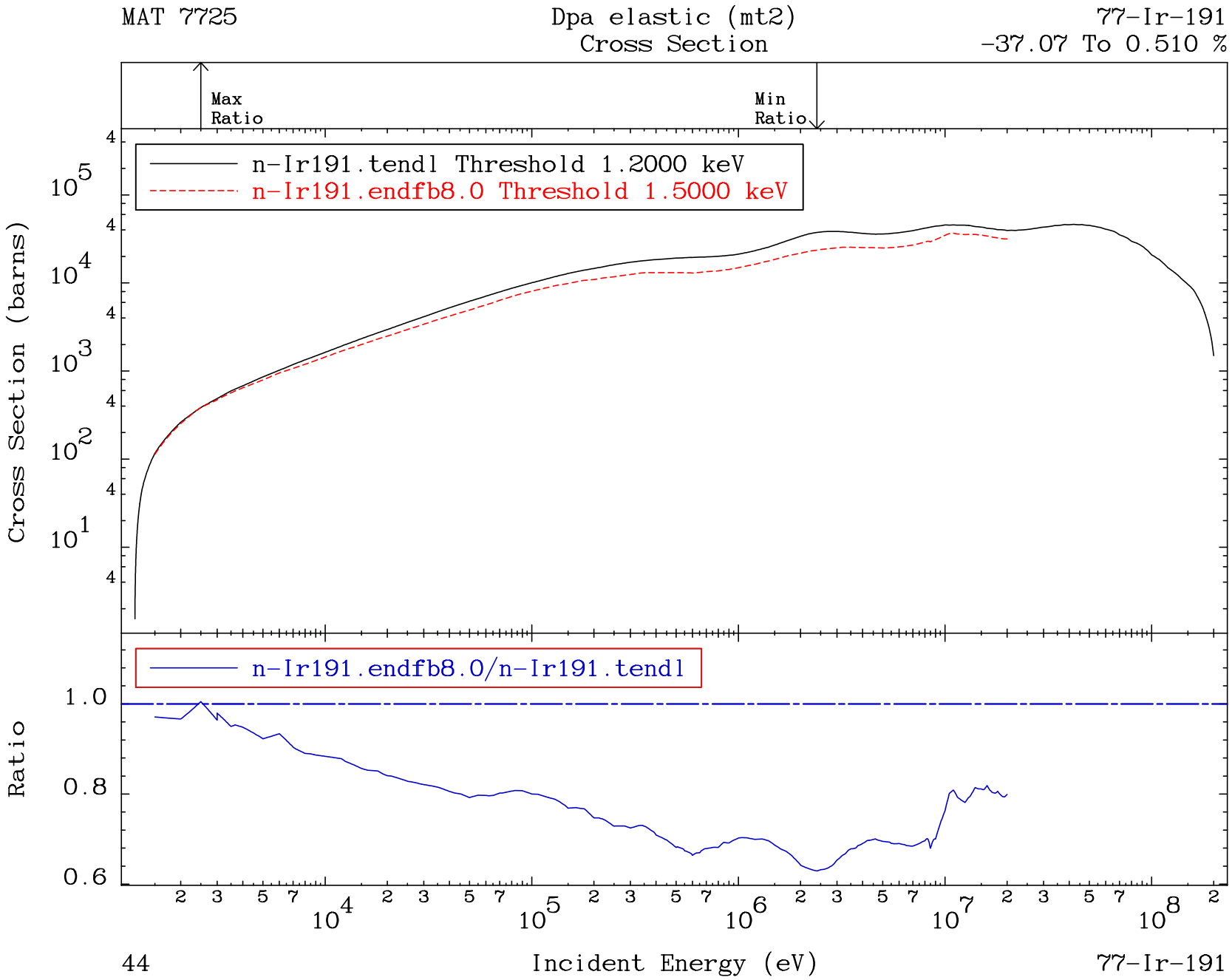

MAT 7725
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
77-Ir-191
-26.43 To 141.8 %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
2.0
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
39
Incident Energy (eV)
77-Ir-191

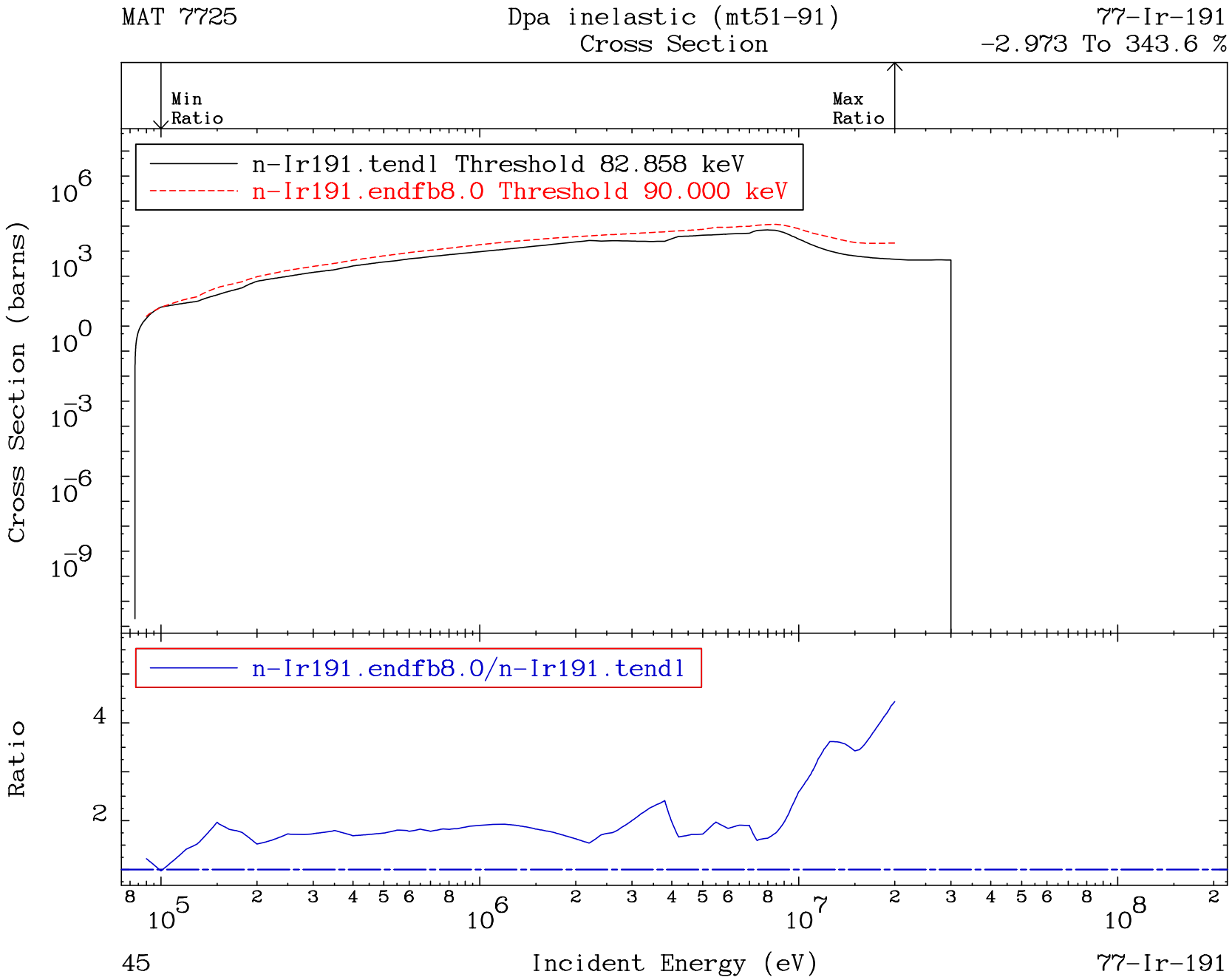

MAT 7725
Kerma capture (mt102)
Cross Section
77-Ir-191
-97.41 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
40
77-Ir-191

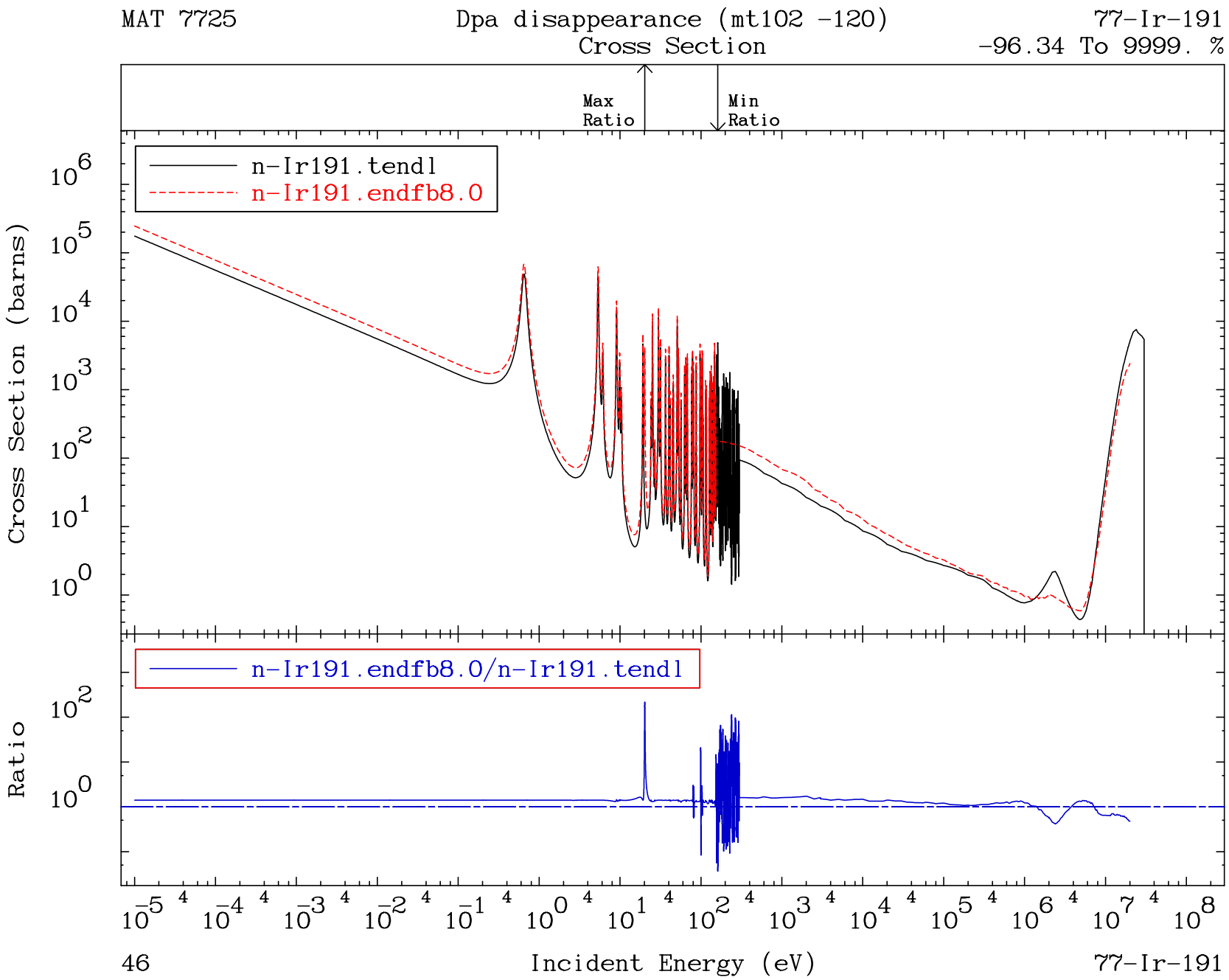

MAT 7725
Total photon (eV-barns)
Cross Section
77-Ir-191
-97.41 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
41
77-Ir-191

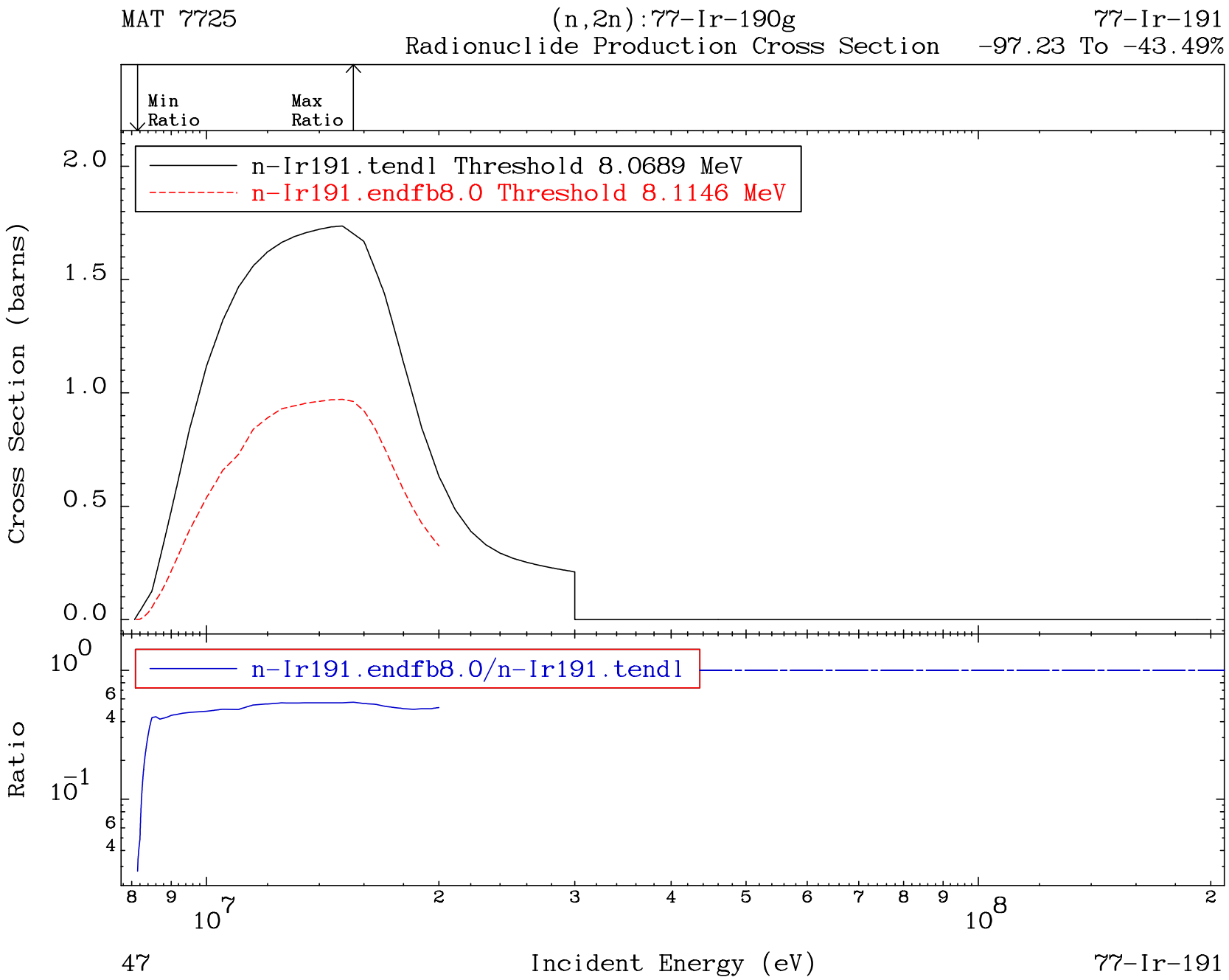

MAT 7725
Total kinematic kerma (high limit)
Cross Section
77-Ir-191
-97.41 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
42
77-Ir-191

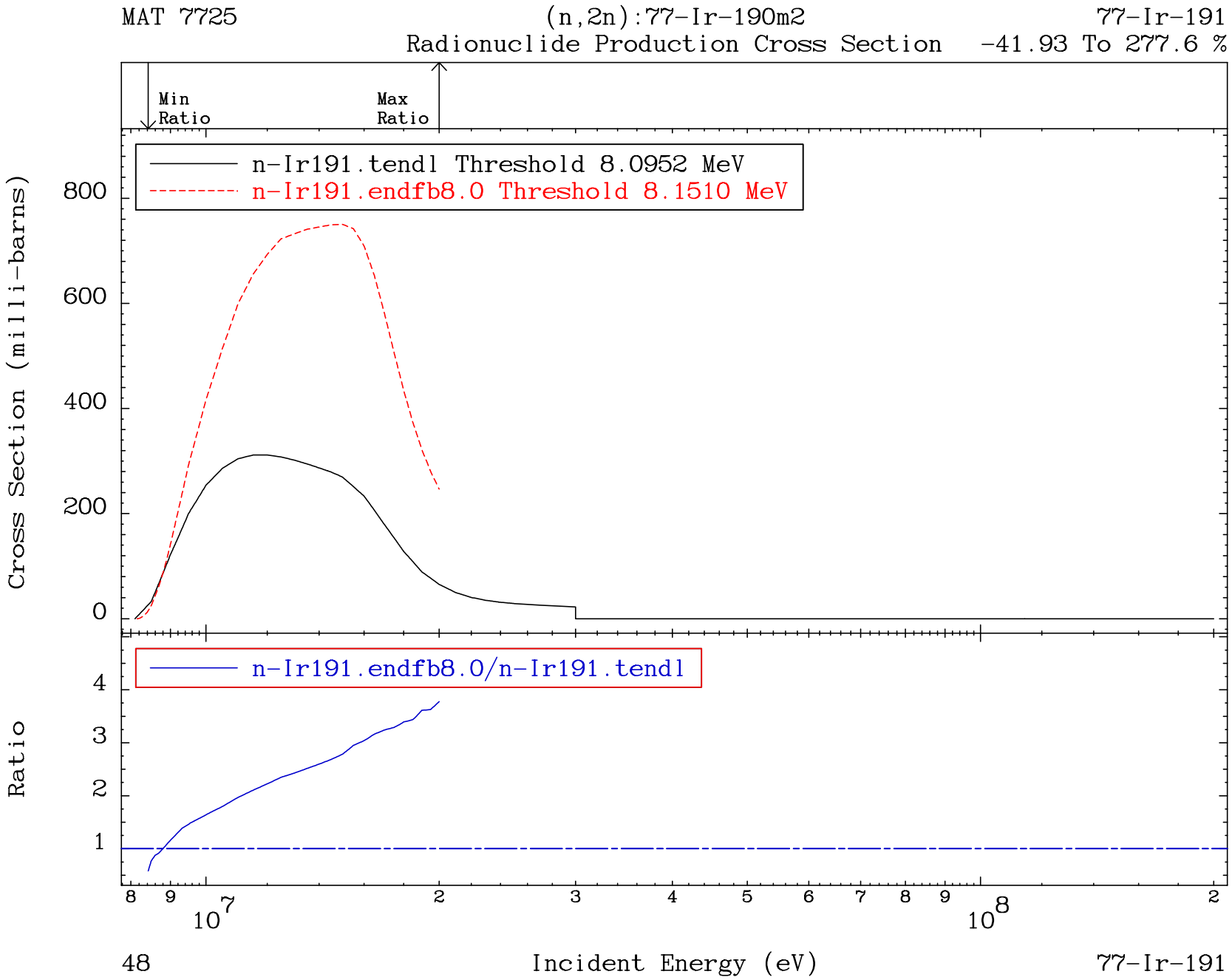

MAT 7725
Dpa total (eV-barns)
Cross Section
77-Ir-191
-96.34 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
43
77-Ir-191


MAT 7725
Dpa elastic (mt2)
Cross Section
77-Ir-191
-37.07 To 0.510 %
Max
Ratio
Min
Ratio
n-Ir191.tendl Threshold 1.2000 keV
n-Ir191.endfb8.0 Threshold 1.5000 keV
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
44
77-Ir-191


MAT 7725
Dpa inelastic (mt51-91)
Cross Section
77-Ir-191
-2.973 To 343.6 %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 82.858 keV
n-Ir191.endfb8.0 Threshold 90.000 keV
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
45
77-Ir-191


MAT 7725
Dpa disappearance (mt102 -120)
Cross Section
77-Ir-191
-96.34 To 9999. %
Max Ratio
Min Ratio
n-Ir191.tendl
n-Ir191.endfb8.0
Cross Section (barns)
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
Incident Energy (eV)
46
77-Ir-191


MAT 7725
(n,2n):77-Ir-190g
77-Ir-191
Radionuclide Production Cross Section
-97.23 To -43.49%
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 8.0689 MeV
n-Ir191.endfb8.0 Threshold 8.1146 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
10^0
10^-1
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
77-Ir-191


MAT 7725
(n,2n):77-Ir-190m2
77-Ir-191
Radionuclide Production Cross Section -41.93 To 277.6 %
Min Ratio
Max Ratio
n-Ir191.tendl Threshold 8.0952 MeV
n-Ir191.endfb8.0 Threshold 8.1510 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Ir191.endfb8.0/n-Ir191.tendl
Ratio
4
3
2
1
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
77-Ir-191