Program Complot
(Version 2021-1)
by
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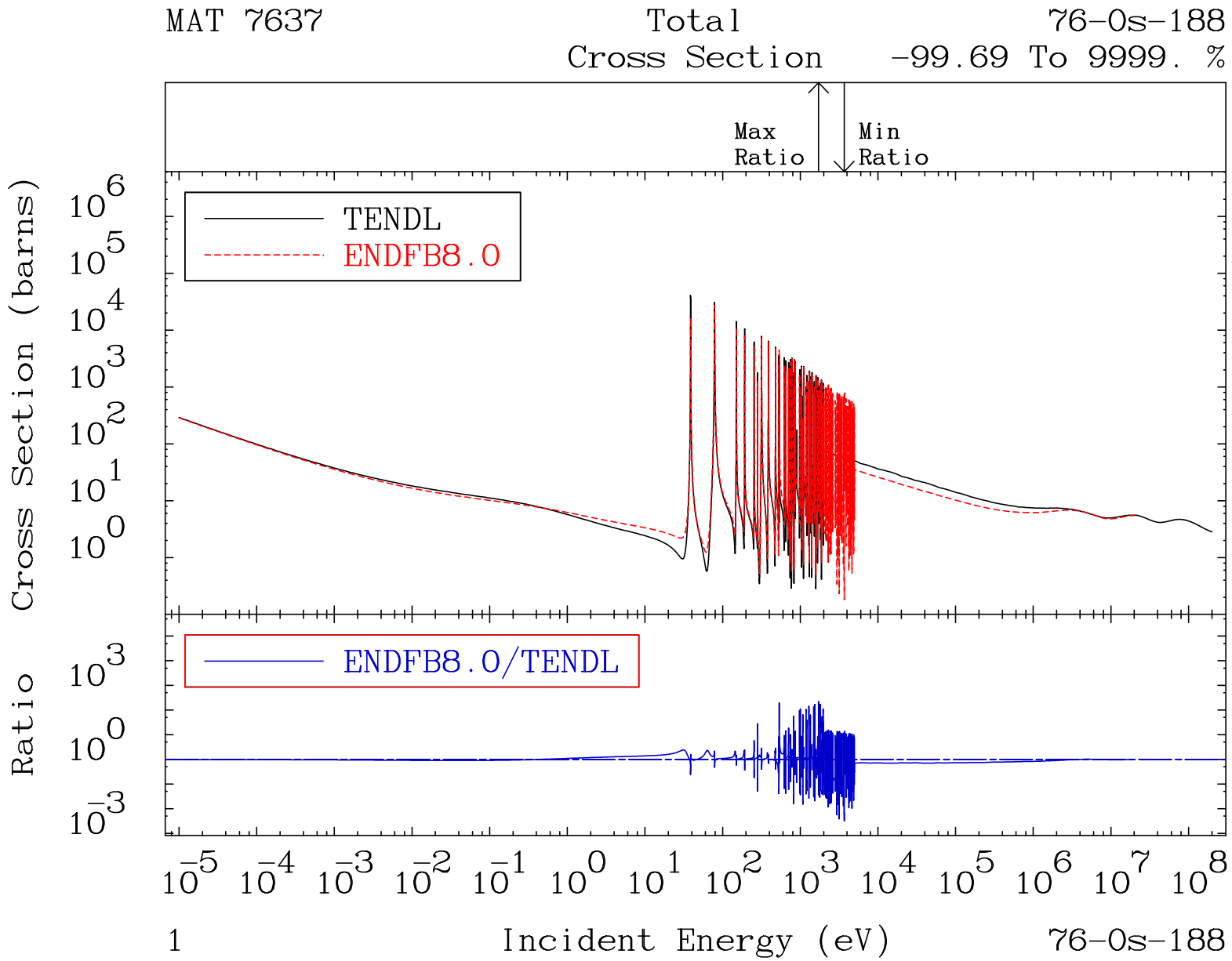
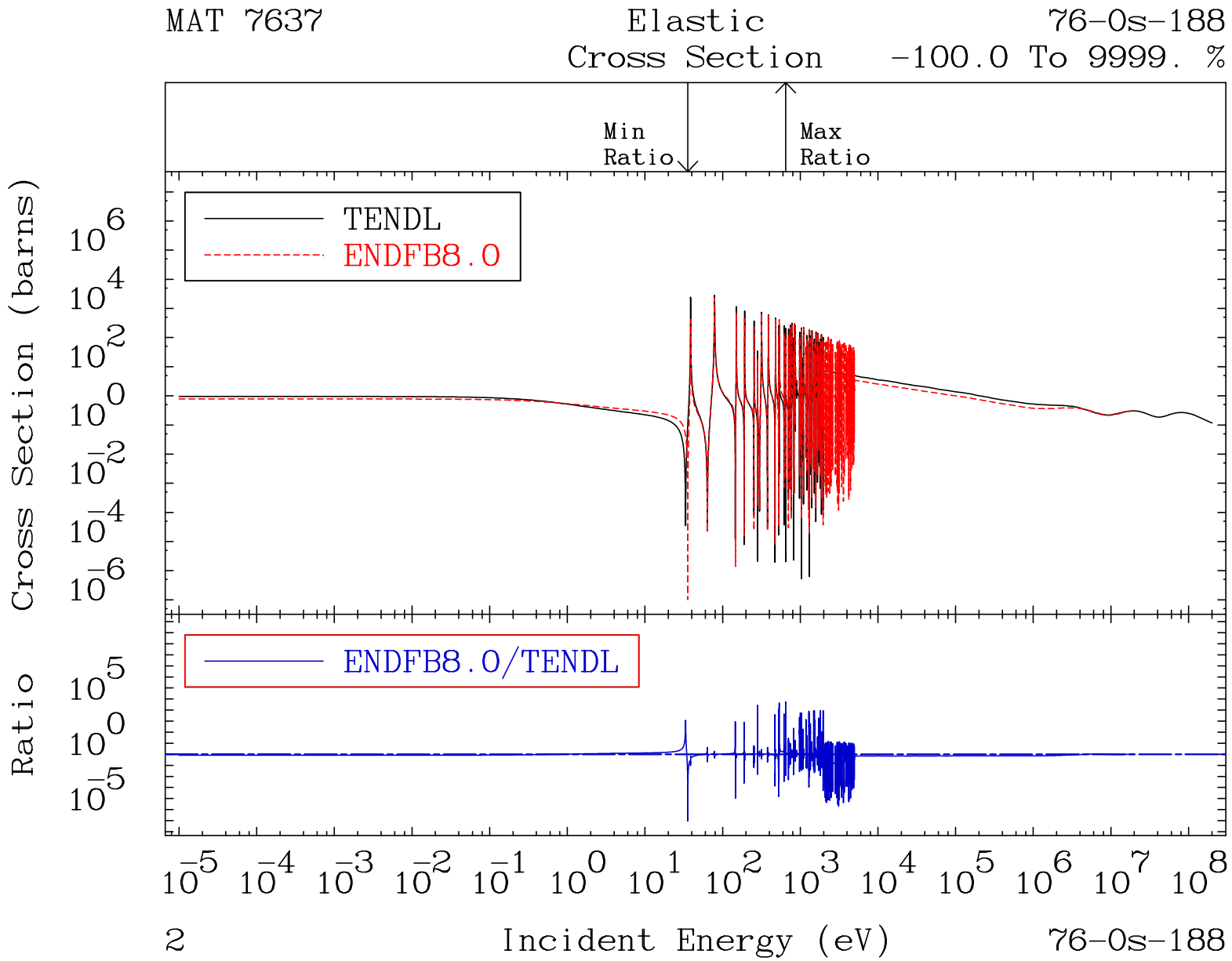
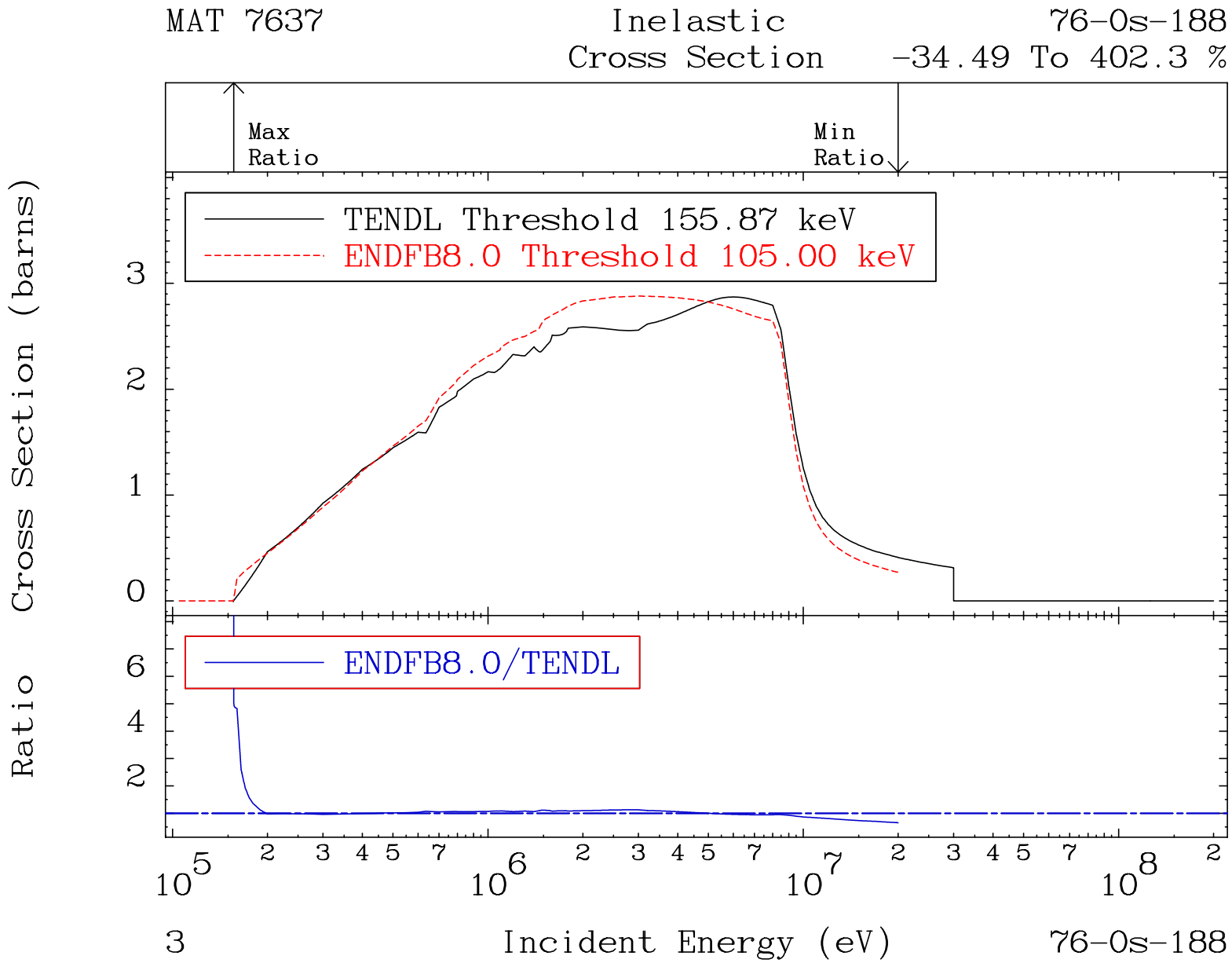
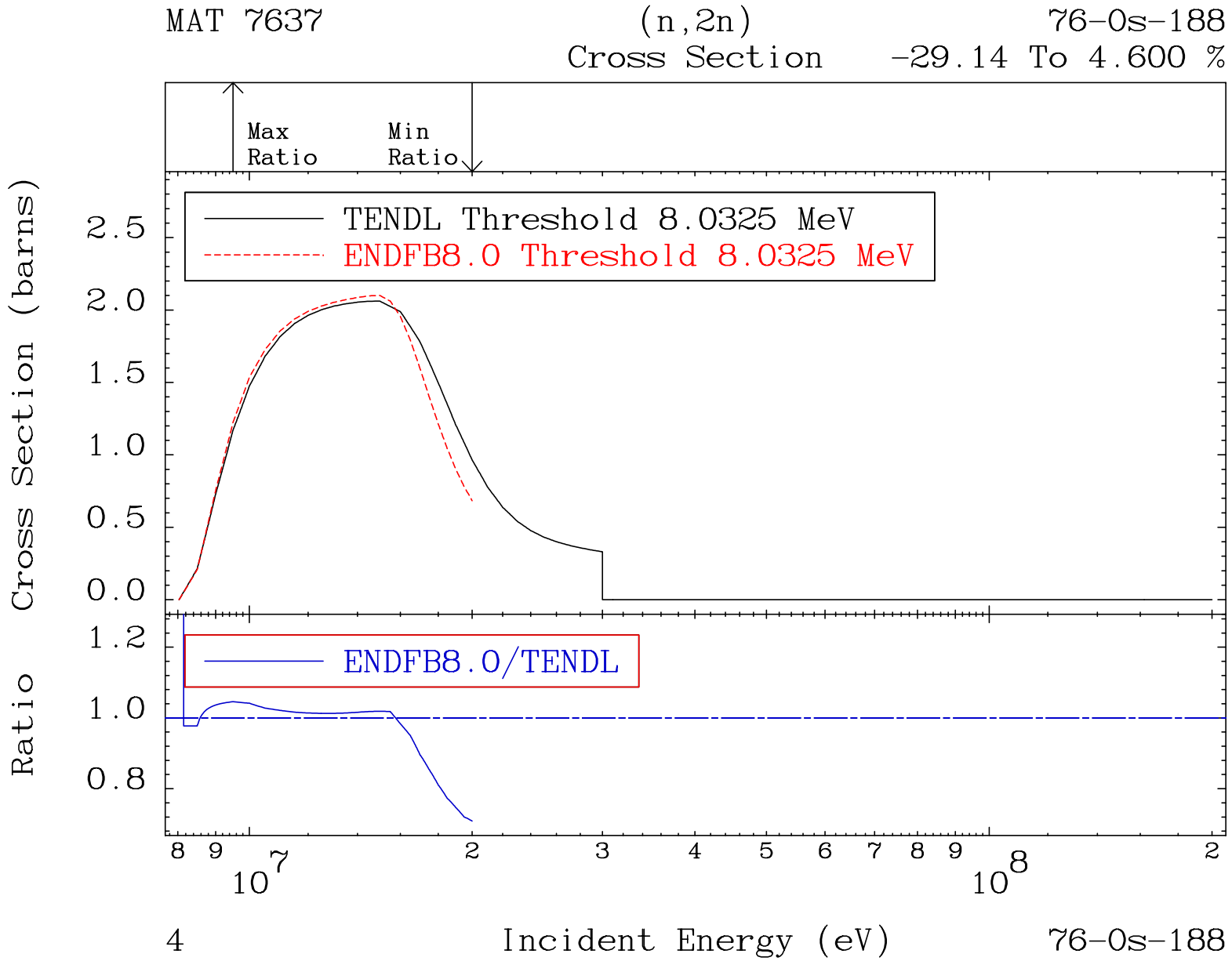
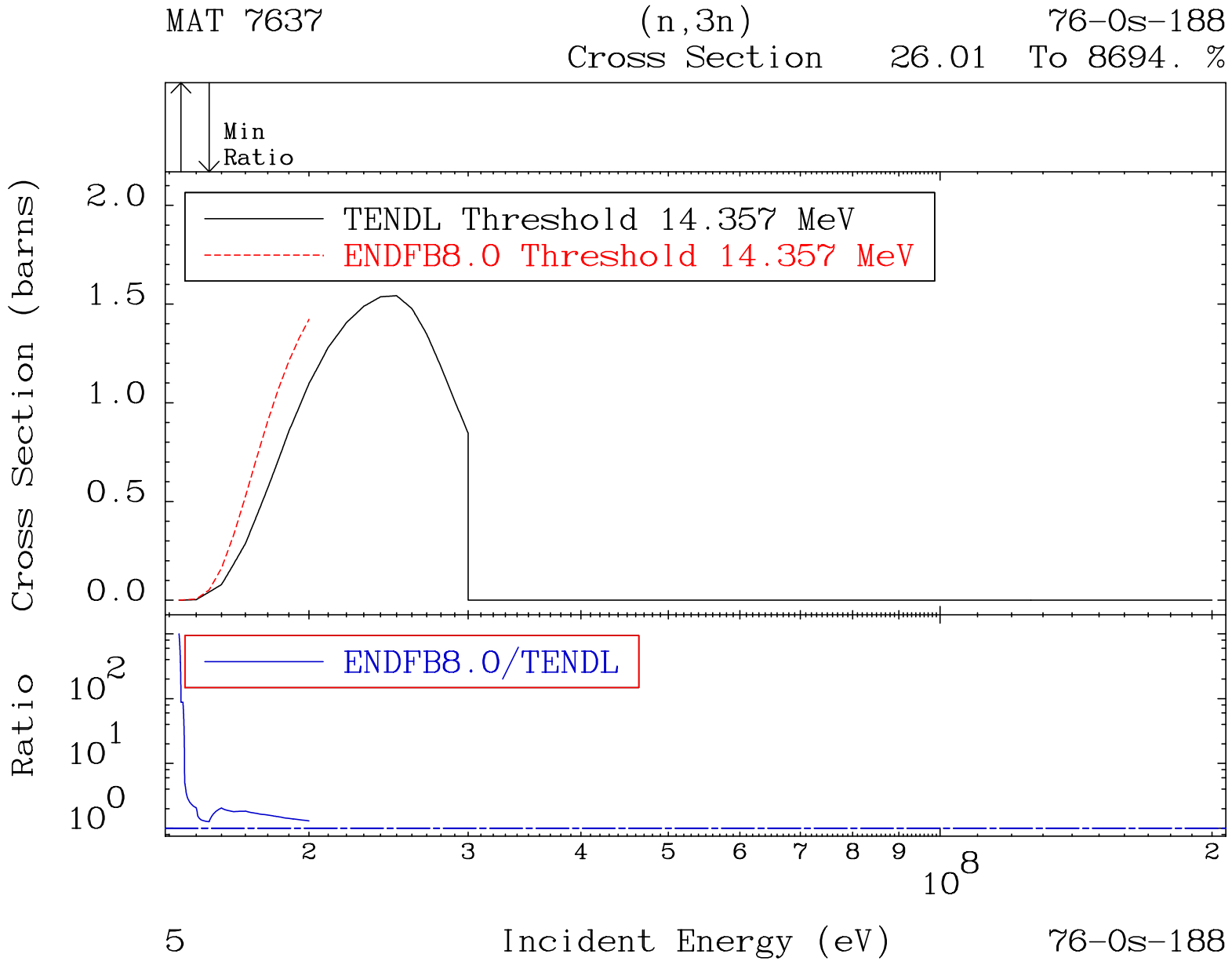
Press Mouse Button to Start

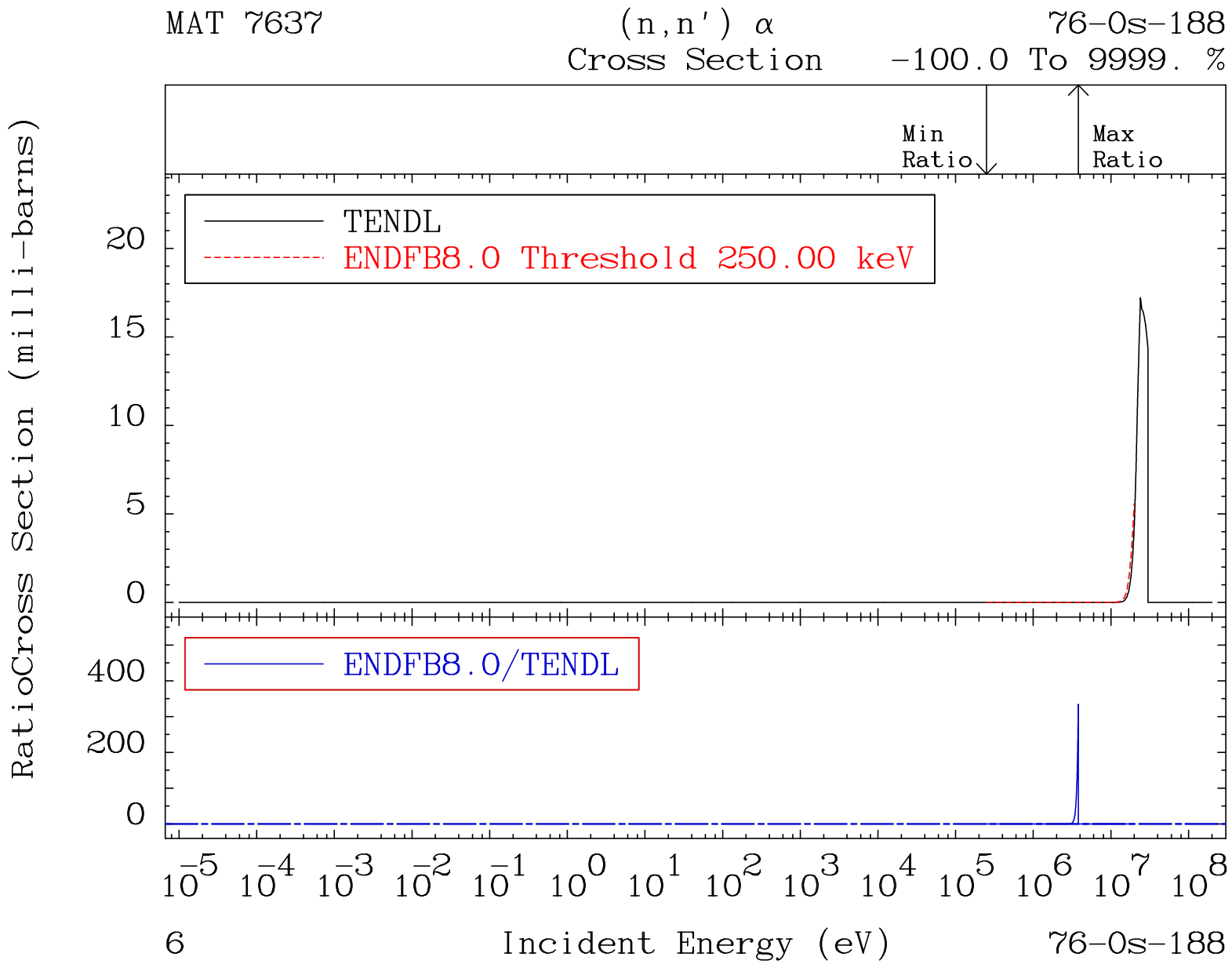

MAT 7637
Total
Cross Section
76-0s-188
-99.69 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
1
76-0s-188

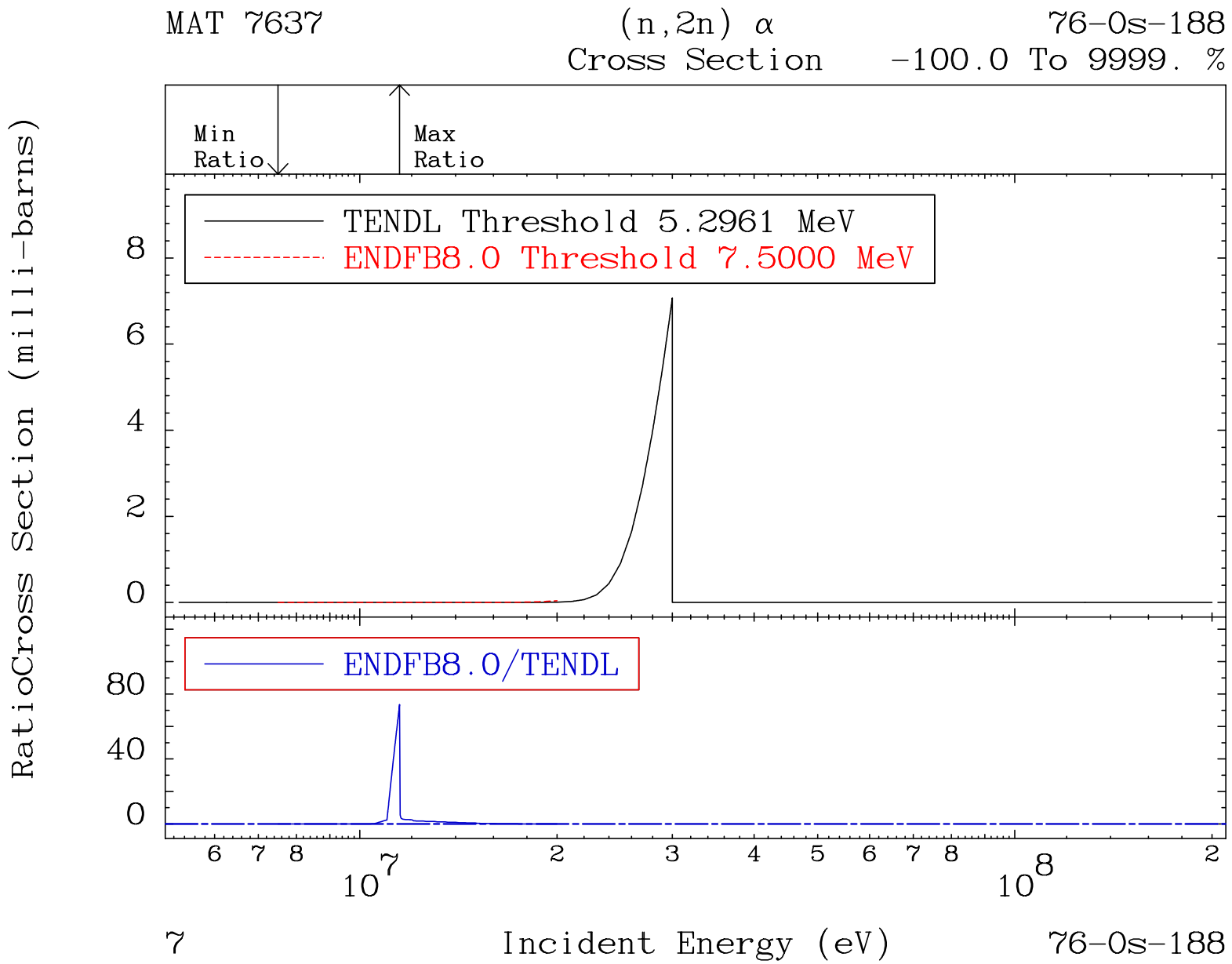

MAT 7637
Elastic
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
76-0s-188

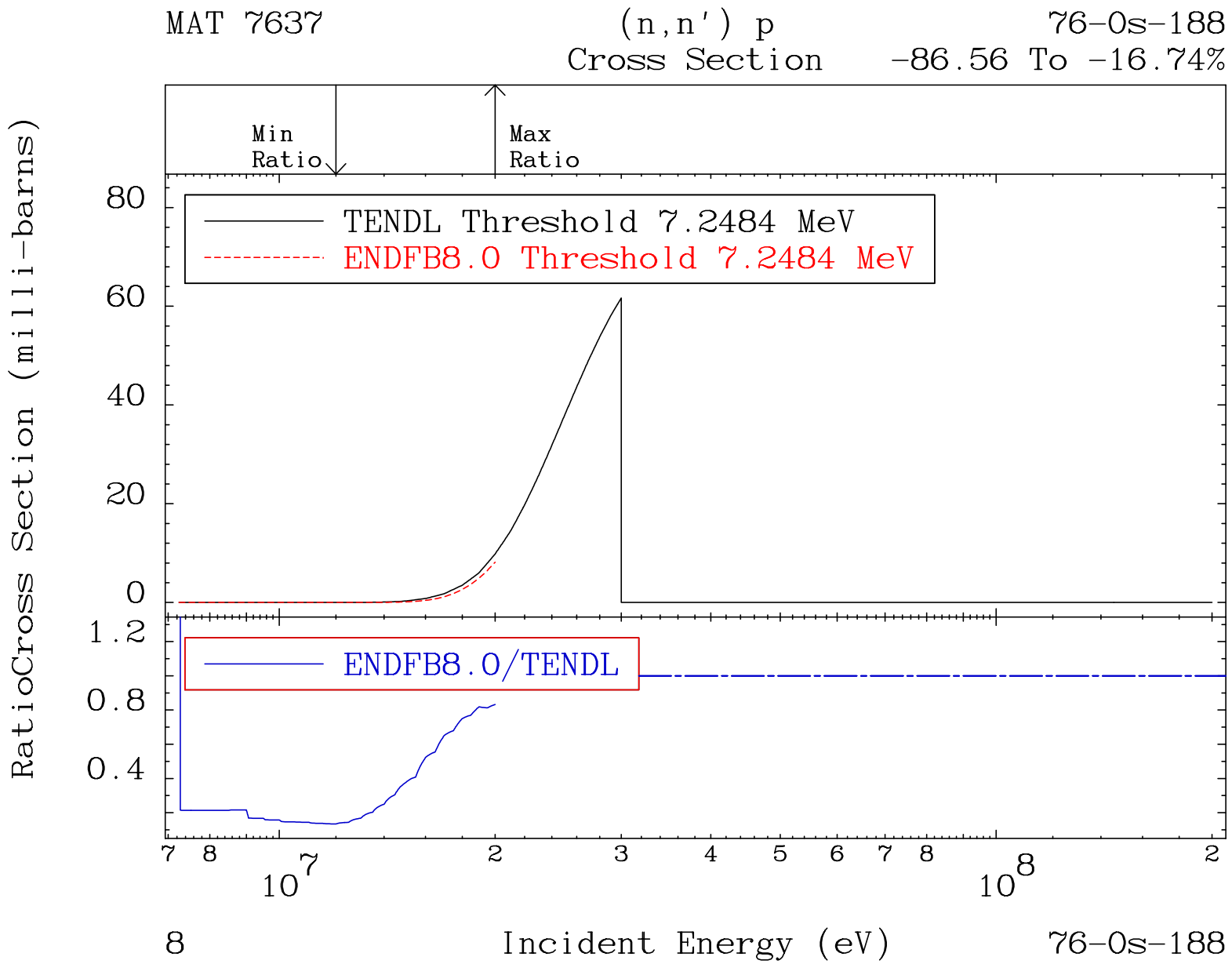

MAT 7637
Inelastic
Cross Section
76-0s-188
-34.49 To 402.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 155.87 keV
ENDFB8.0 Threshold 105.00 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76-0s-188
3

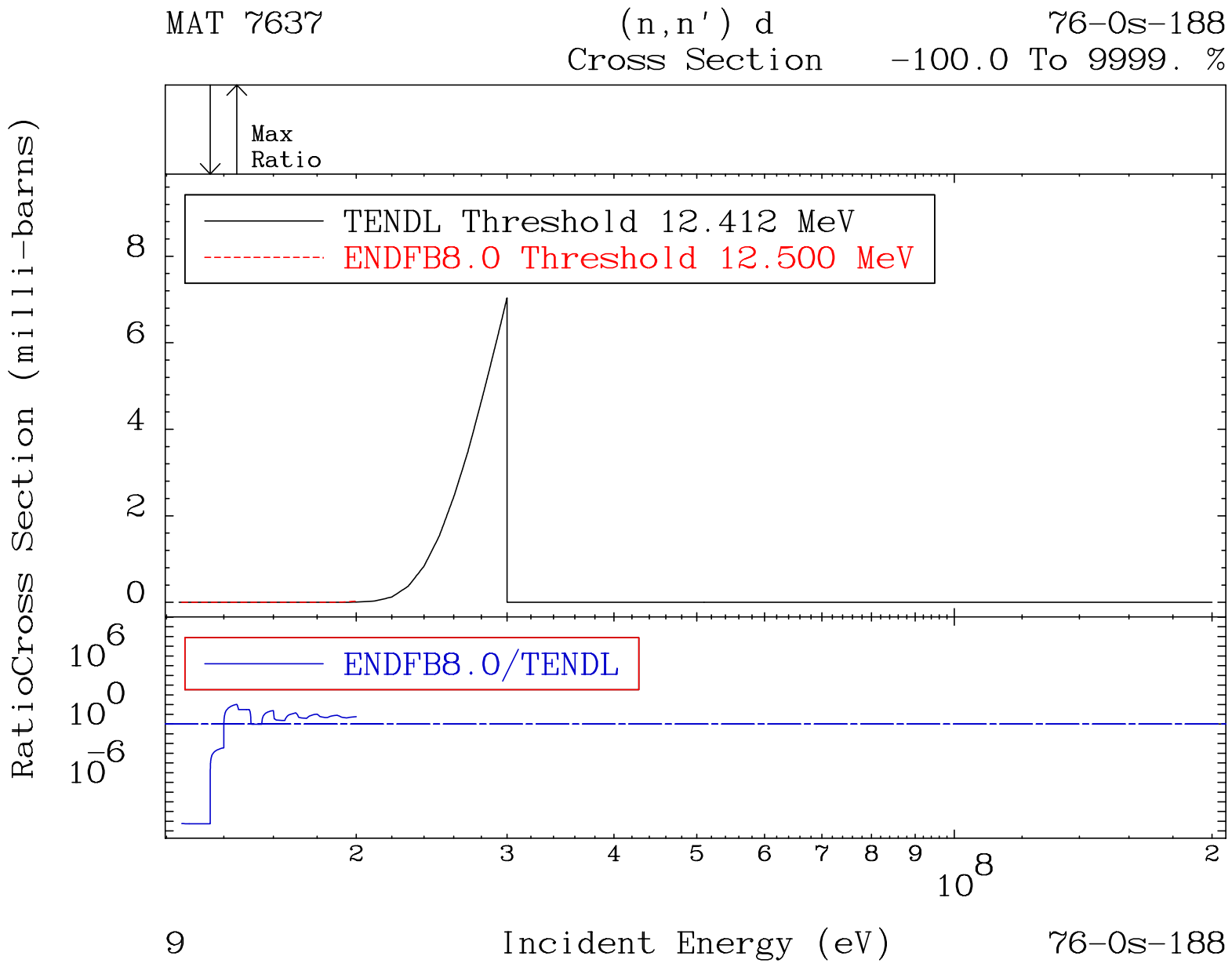

MAT 7637
(n,2n)
Cross Section
76-0s-188
-29.14 To 4.600 %
Max Ratio
Min Ratio
TENDL Threshold 8.0325 MeV
ENDFB8.0 Threshold 8.0325 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
4
76-0s-188

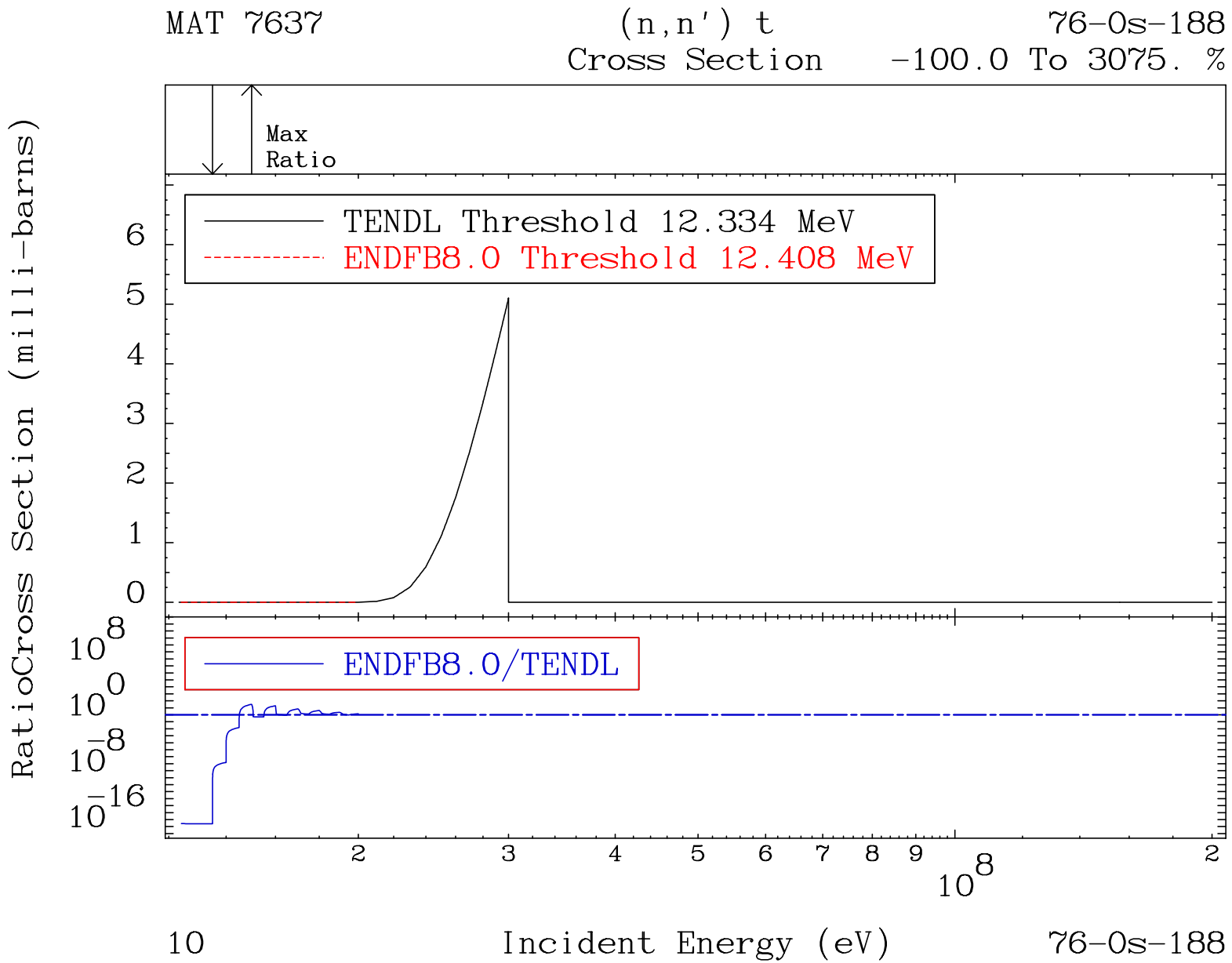

MAT 7637
(n,3n)
76-0s-188
Cross Section 26.01 To 8694. %
Min
Ratio
TENDL Threshold 14.357 MeV
ENDFB8.0 Threshold 14.357 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
76-0s-188

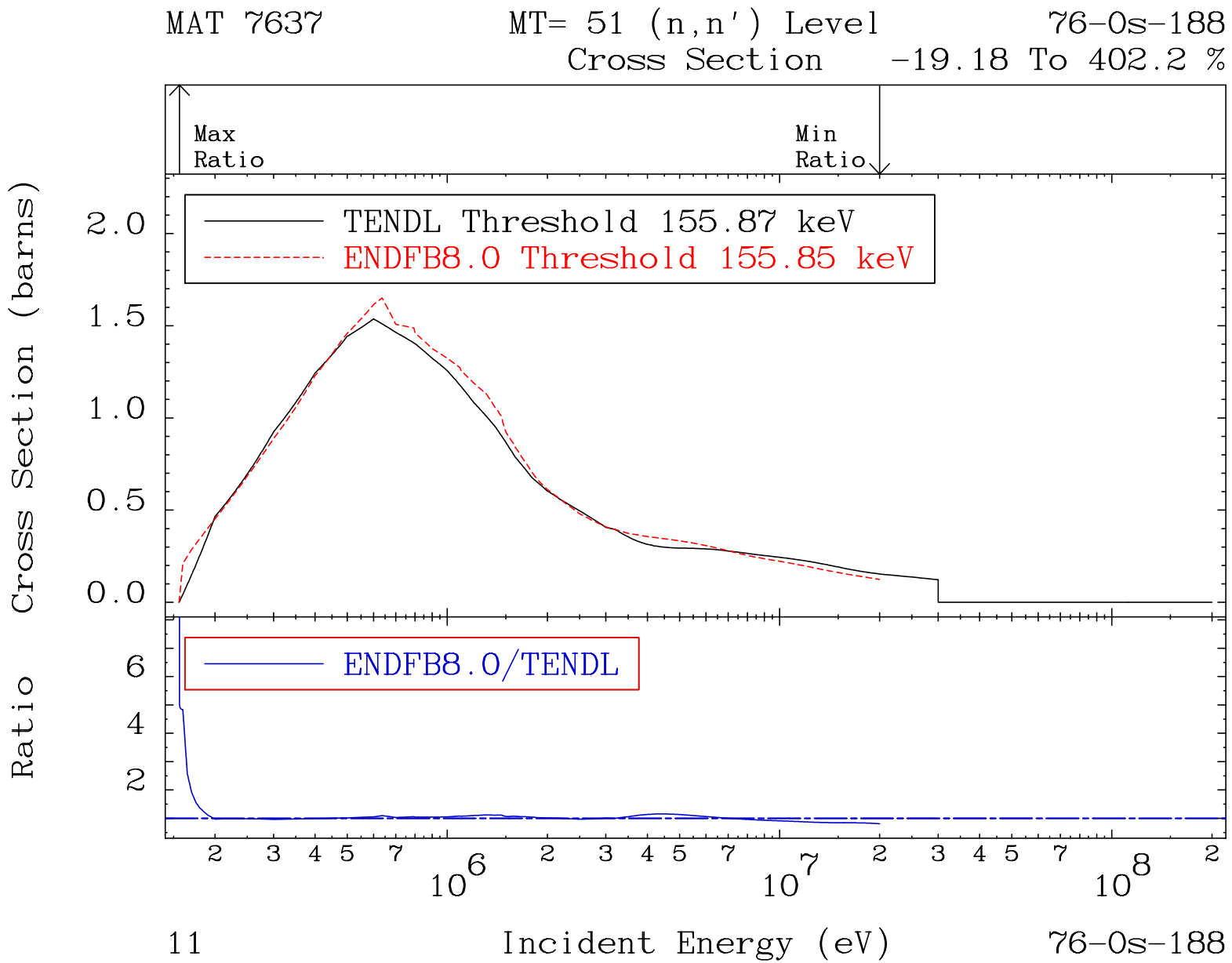

MAT 7637
(n,n') α
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 250.00 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
6
76-0s-188

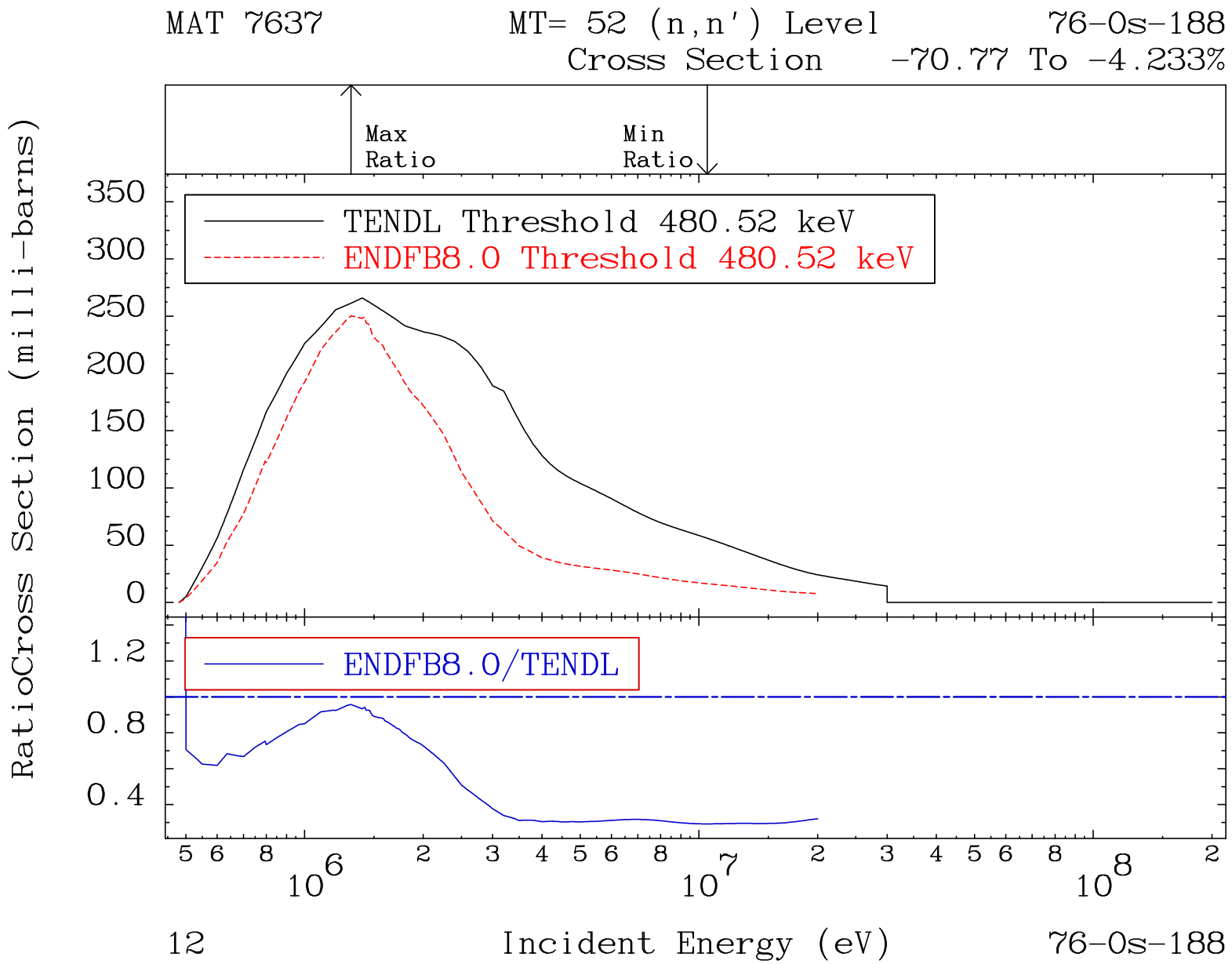

MAT 7637
(n,2n) α
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.2961 MeV
ENDFB8.0 Threshold 7.5000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76-0s-188
7

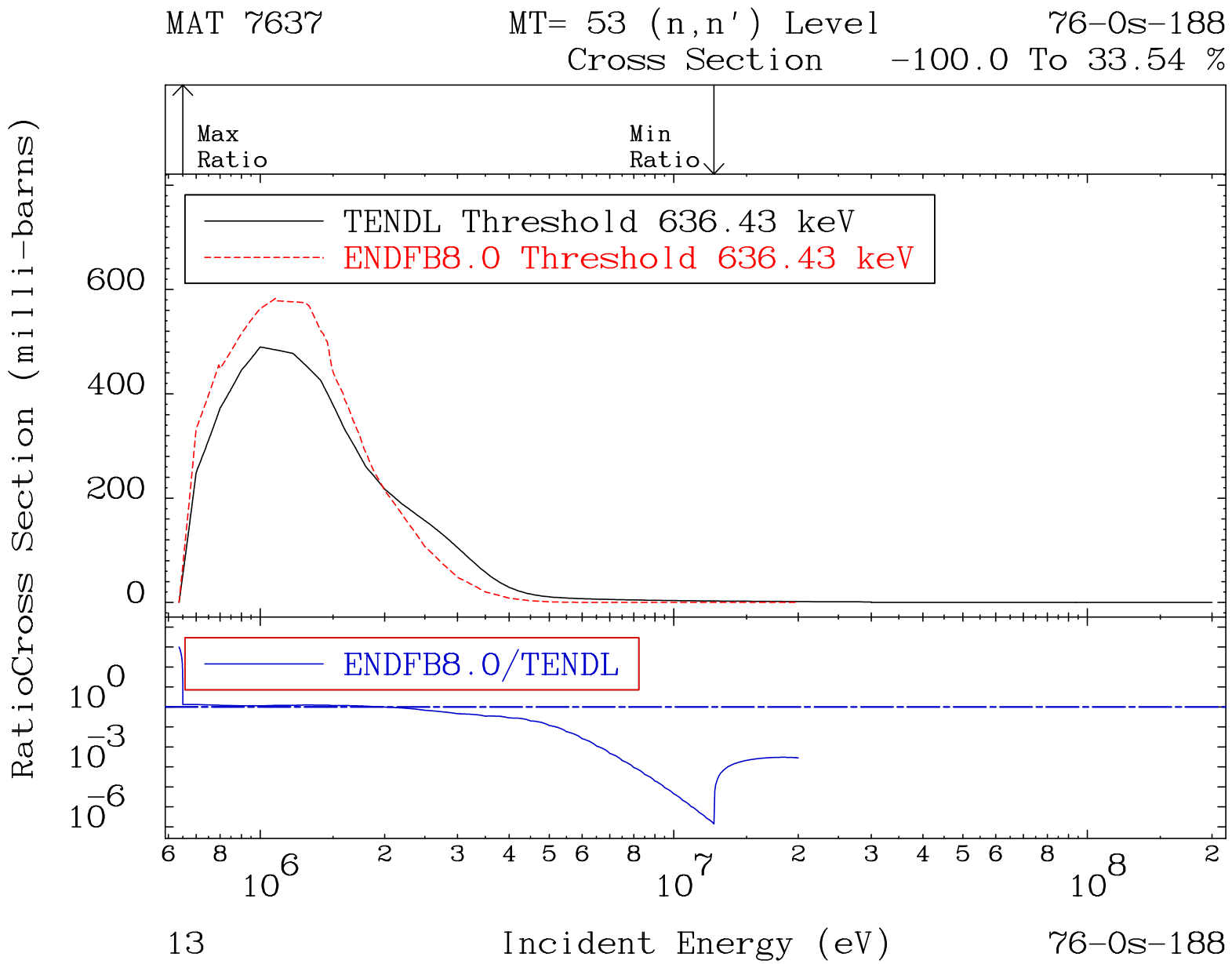

MAT 7637
(n,n') p
Cross Section
76-0s-188
-86.56 To -16.74%
Min Ratio
Max Ratio
TENDL Threshold 7.2484 MeV
ENDFB8.0 Threshold 7.2484 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
0.4
7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
76-0s-188

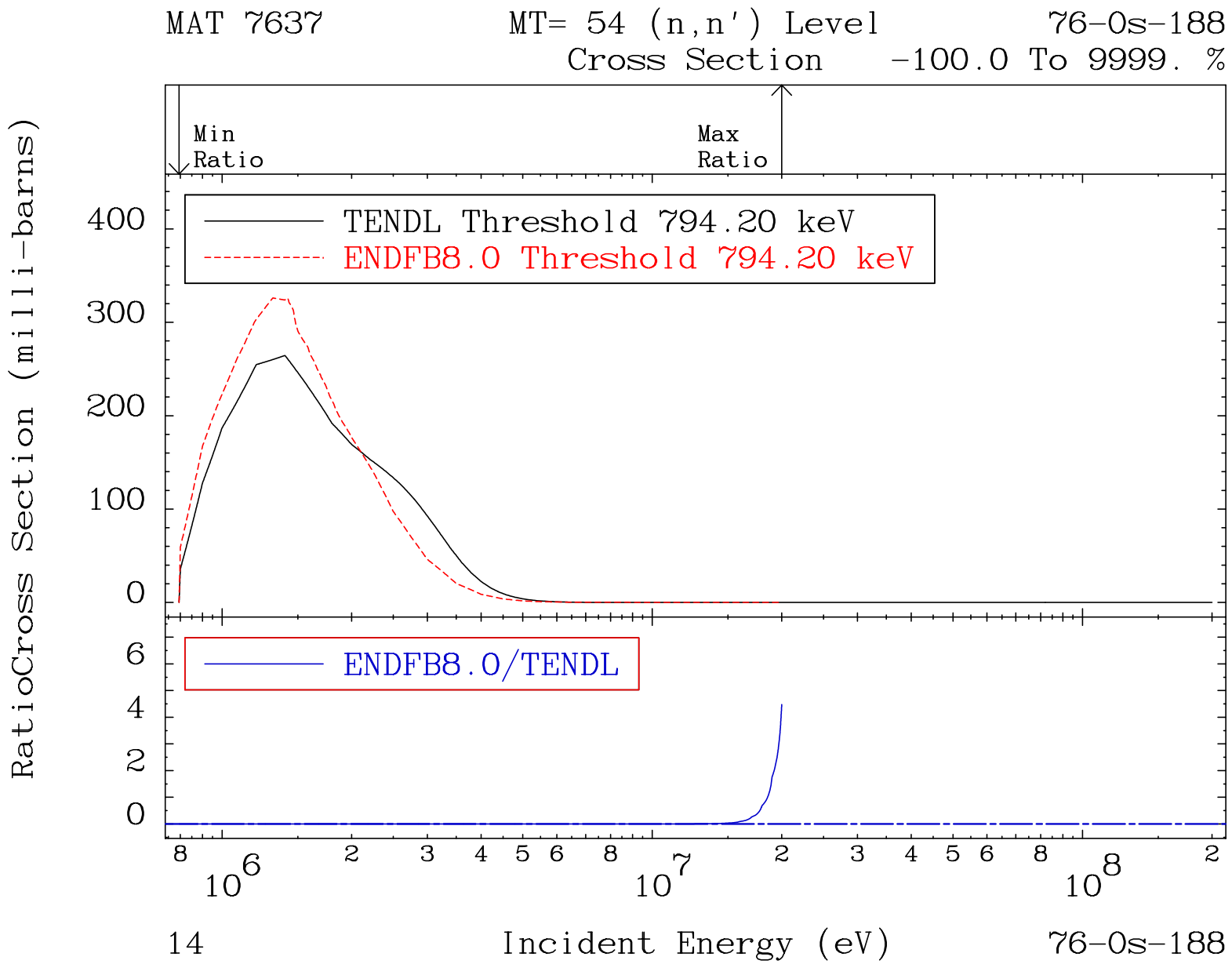

MAT 7637
(n,n') d
Cross Section
76-0s-188
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.412 MeV
ENDFB8.0 Threshold 12.500 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
76-0s-188

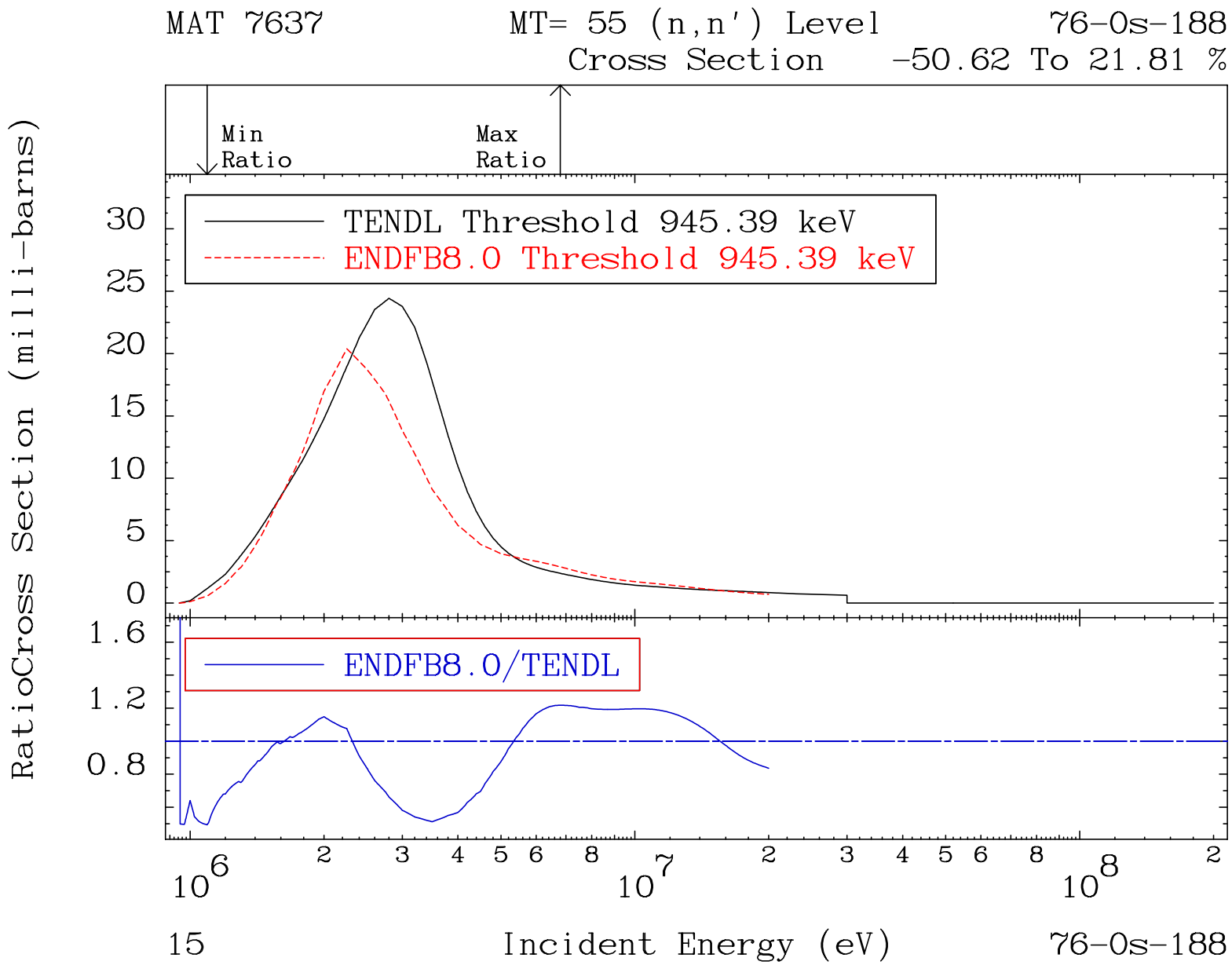

MAT 7637
(n,n') t
Cross Section
76-0s-188
-100.0 To 3075. %
Max
Ratio
TENDL Threshold 12.334 MeV
ENDFB8.0 Threshold 12.408 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
76-0s-188

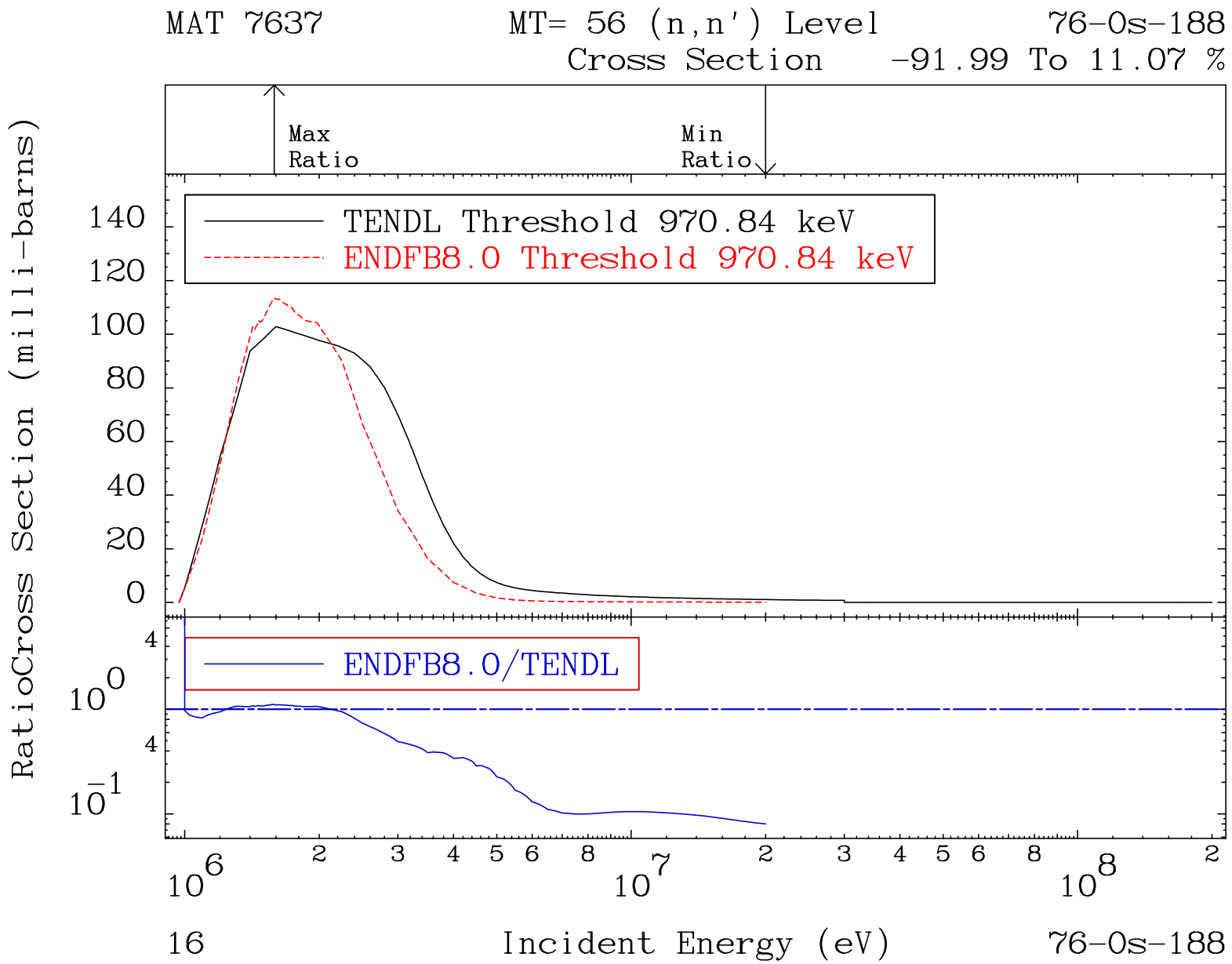

MAT 7637
MT= 51 (n,n') Level
76-0s-188
Cross Section -19.18 To 402.2 %
Max Ratio
Min Ratio
TENDL Threshold 155.87 keV
ENDFB8.0 Threshold 155.85 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
11
76-0s-188

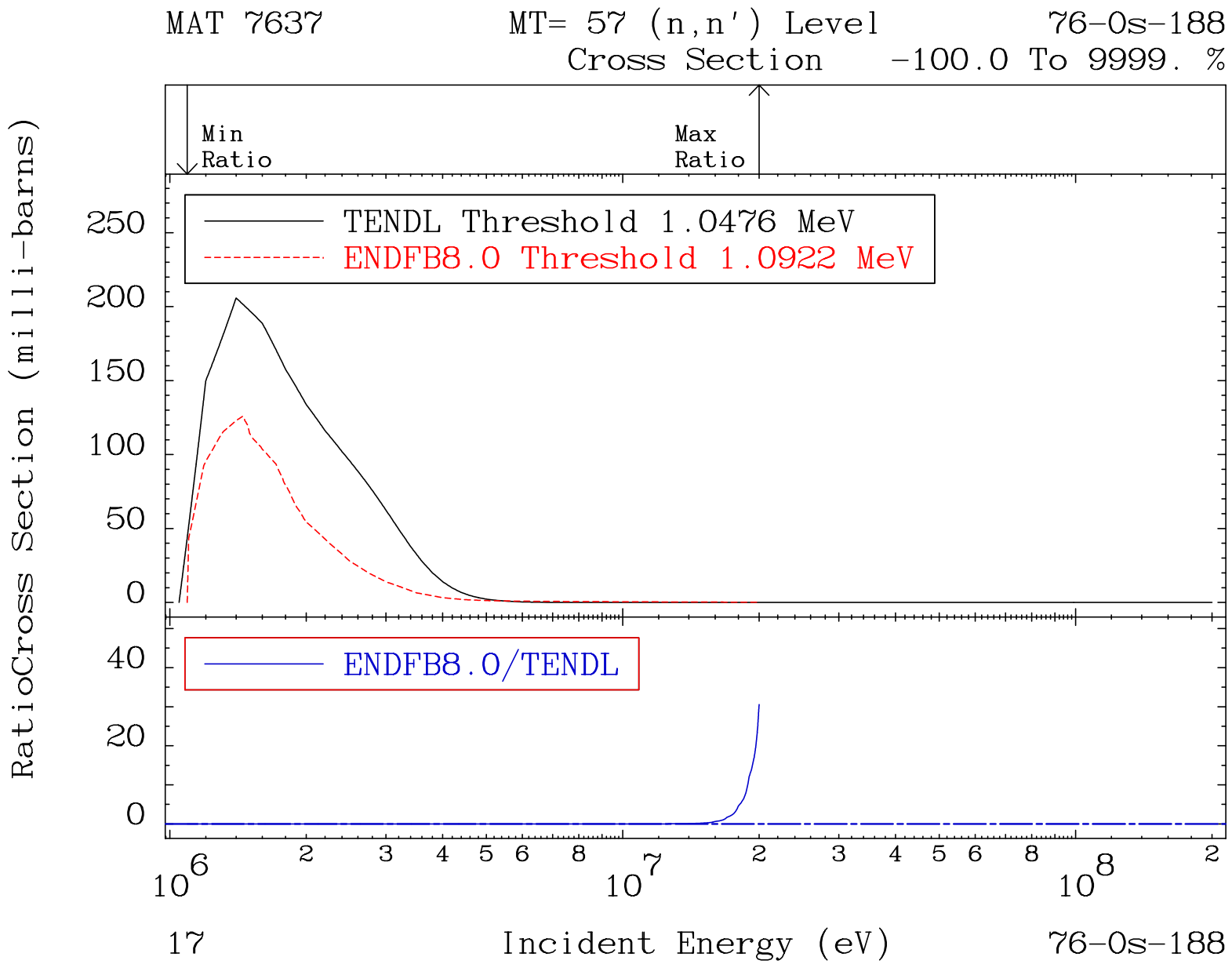

MAT 7637
MT= 52 (n,n') Level
Cross Section
76-0s-188
-70.77 To -4.233%
Max Ratio
Min Ratio
TENDL Threshold 480.52 keV
ENDFB8.0 Threshold 480.52 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
76-0s-188

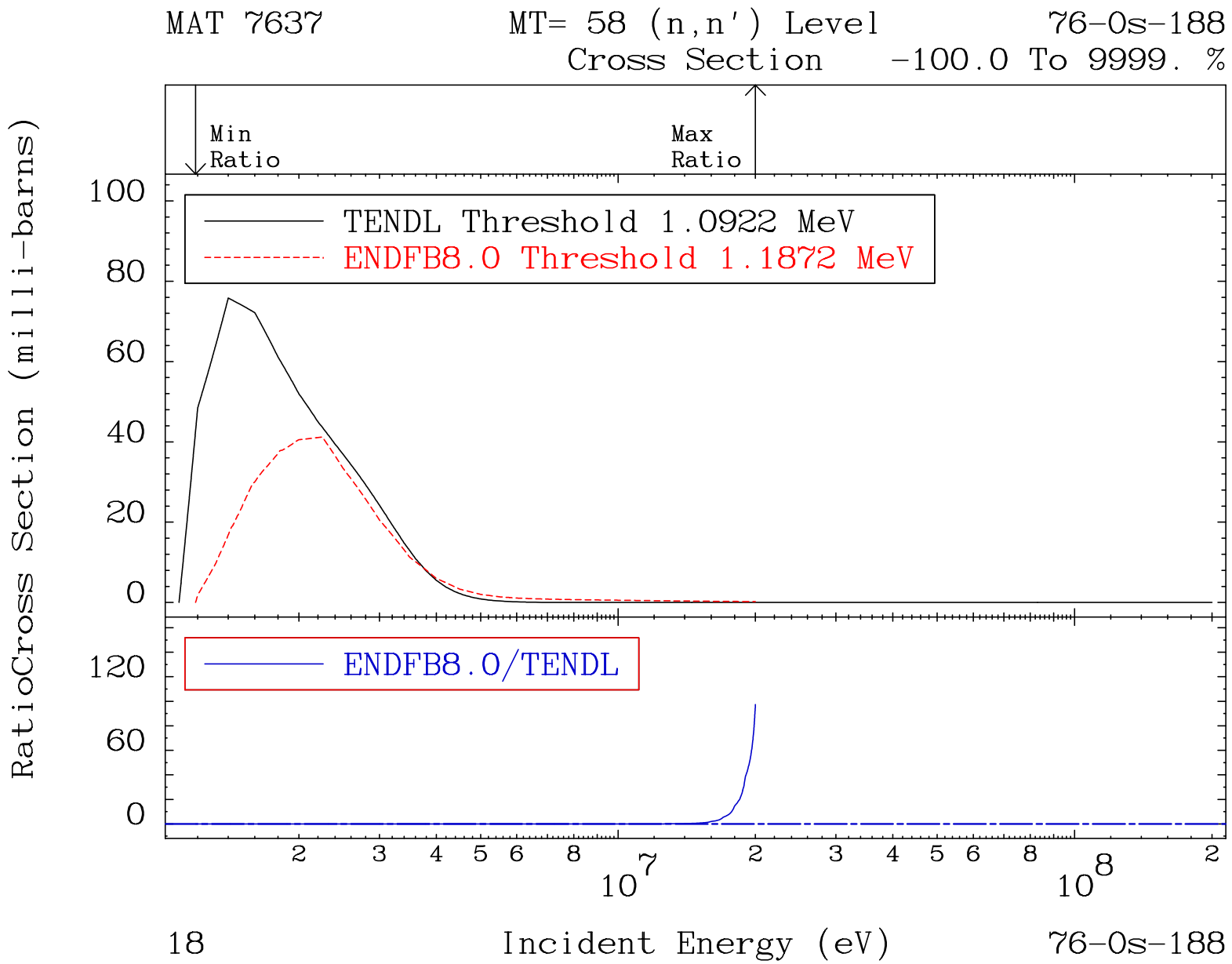

MAT 7637
MT= 53 (n,n') Level
Cross Section
76-0s-188
-100.0 To 33.54 %
Max Ratio
Min Ratio
TENDL Threshold 636.43 keV
ENDFB8.0 Threshold 636.43 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
600
400
200
0
10^0
10^-3
10^-6
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
76-0s-188

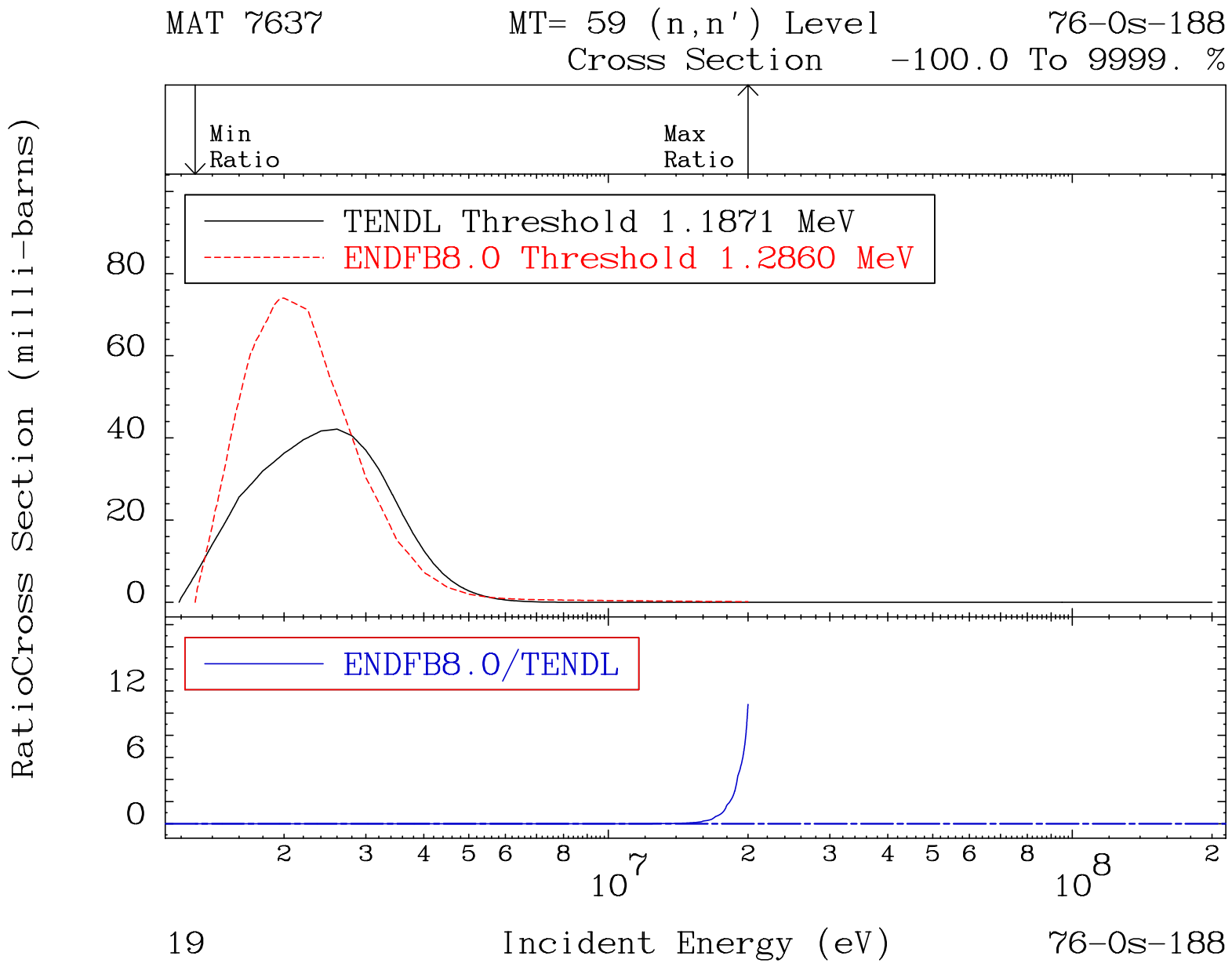

MAT 7637
MT= 54 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 794.20 keV
ENDFB8.0 Threshold 794.20 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
6
4
2
0
8
2
3
4
5
6
8
10^6
10^7
10^8
14
Incident Energy (eV)
76-0s-188

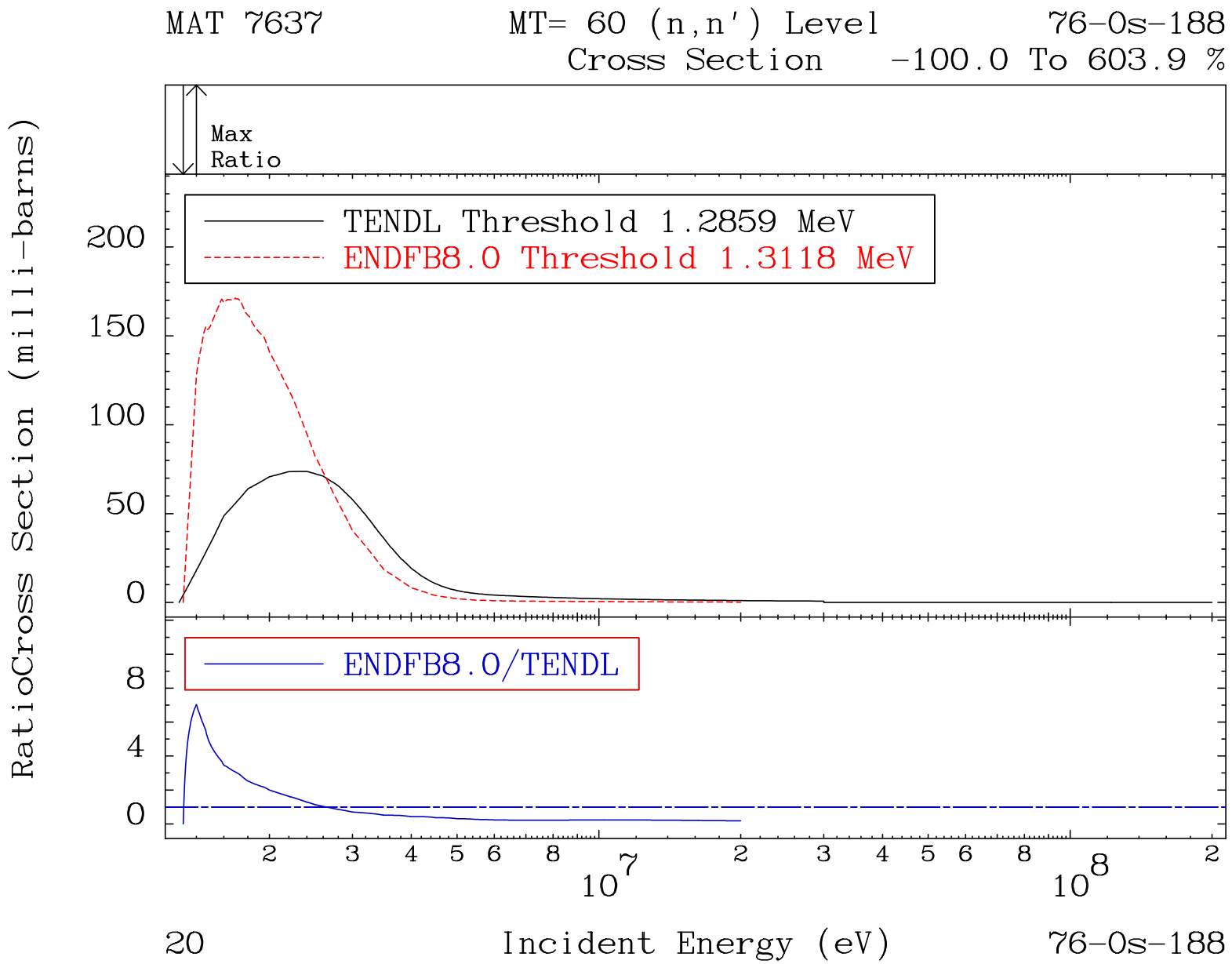

MAT 7637
MT= 55 (n,n') Level
76-0s-188
Cross Section
-50.62 To 21.81 %
Min Ratio
Max Ratio
TENDL Threshold 945.39 keV
ENDFB8.0 Threshold 945.39 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.6
1.2
0.8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
15
Incident Energy (eV)
76-0s-188

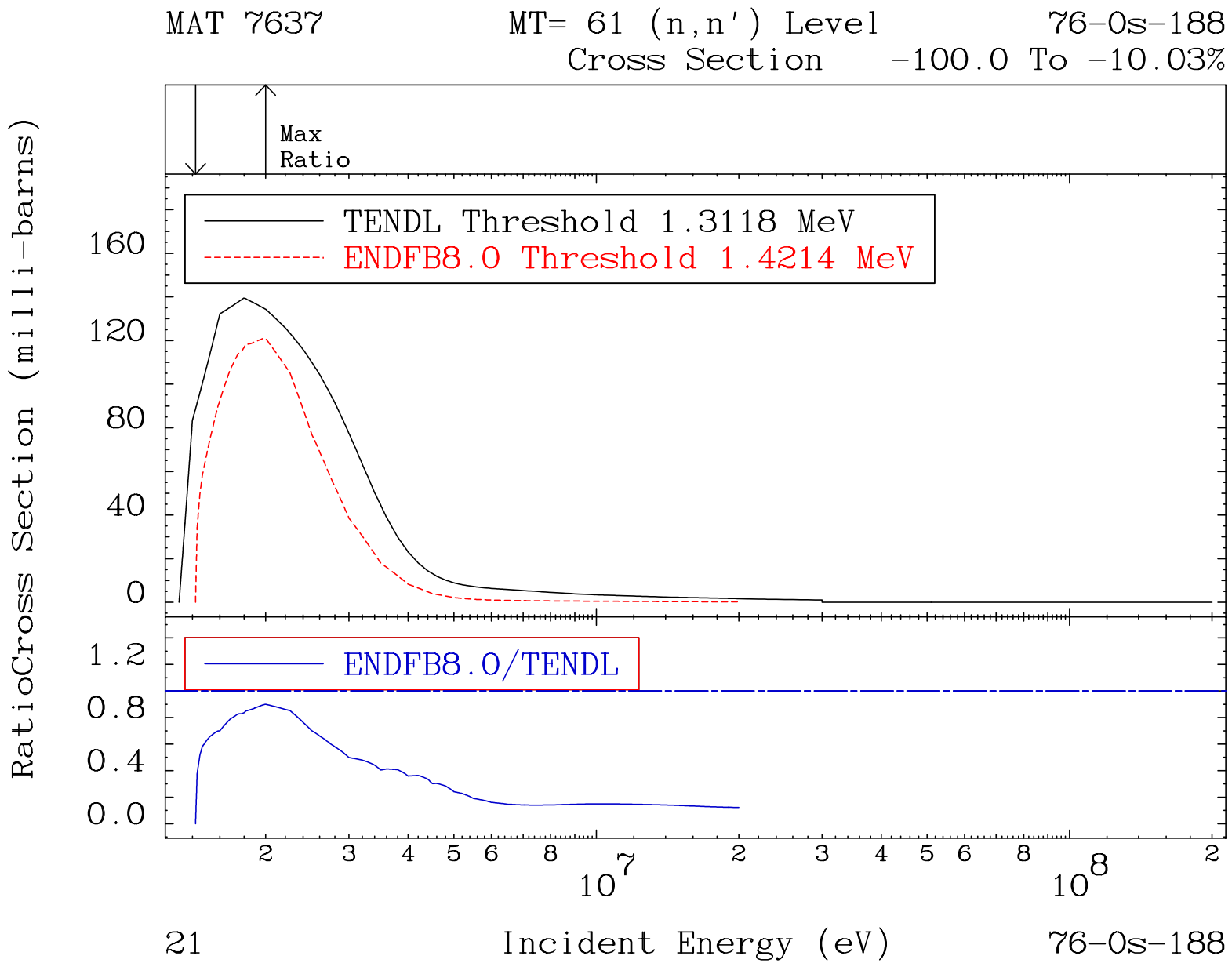

MAT 7637
MT= 56 (n,n') Level
76-0s-188
Cross Section -91.99 To 11.07 %
Max Ratio
Min Ratio
TENDL Threshold 970.84 keV
ENDFB8.0 Threshold 970.84 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
76-0s-188

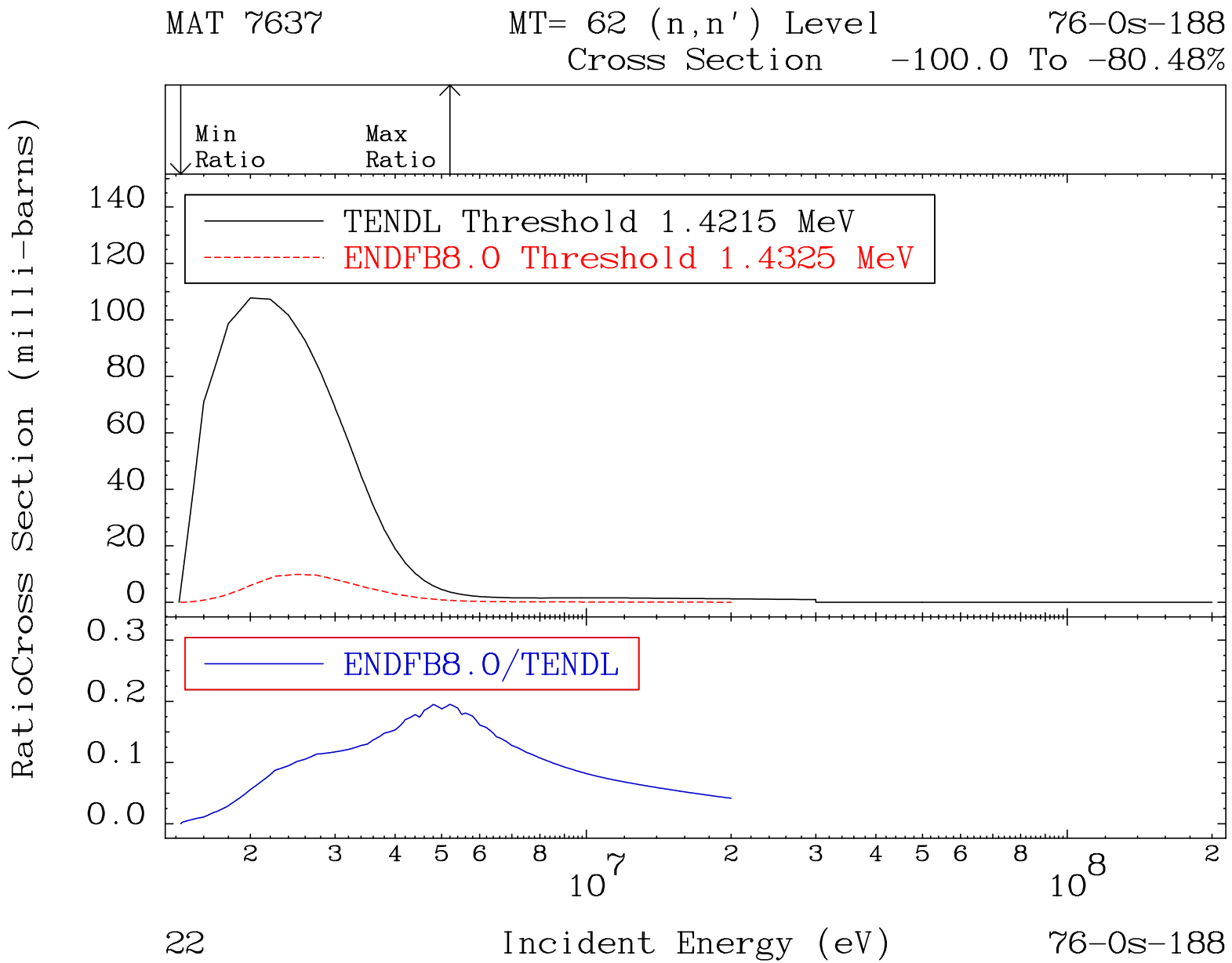

MAT 7637
MT= 57 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0476 MeV
ENDFB8.0 Threshold 1.0922 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
20
0
$10^6$
$10^7$
$10^8$
2 3 4 5 6 8
17
Incident Energy (eV)
76-0s-188

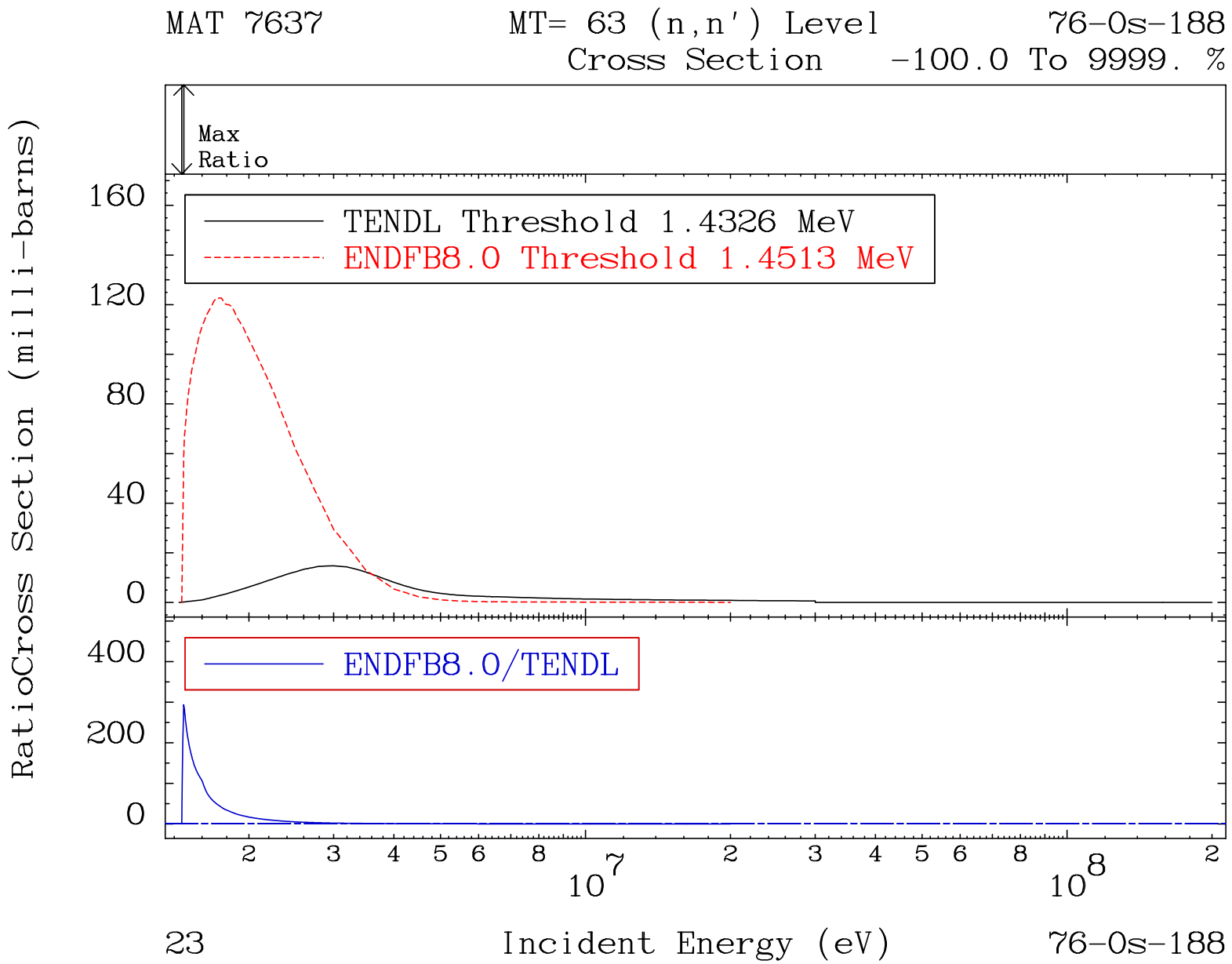

MAT 7637
MT= 58 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0922 MeV
ENDFB8.0 Threshold 1.1872 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
60
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
76-0s-188

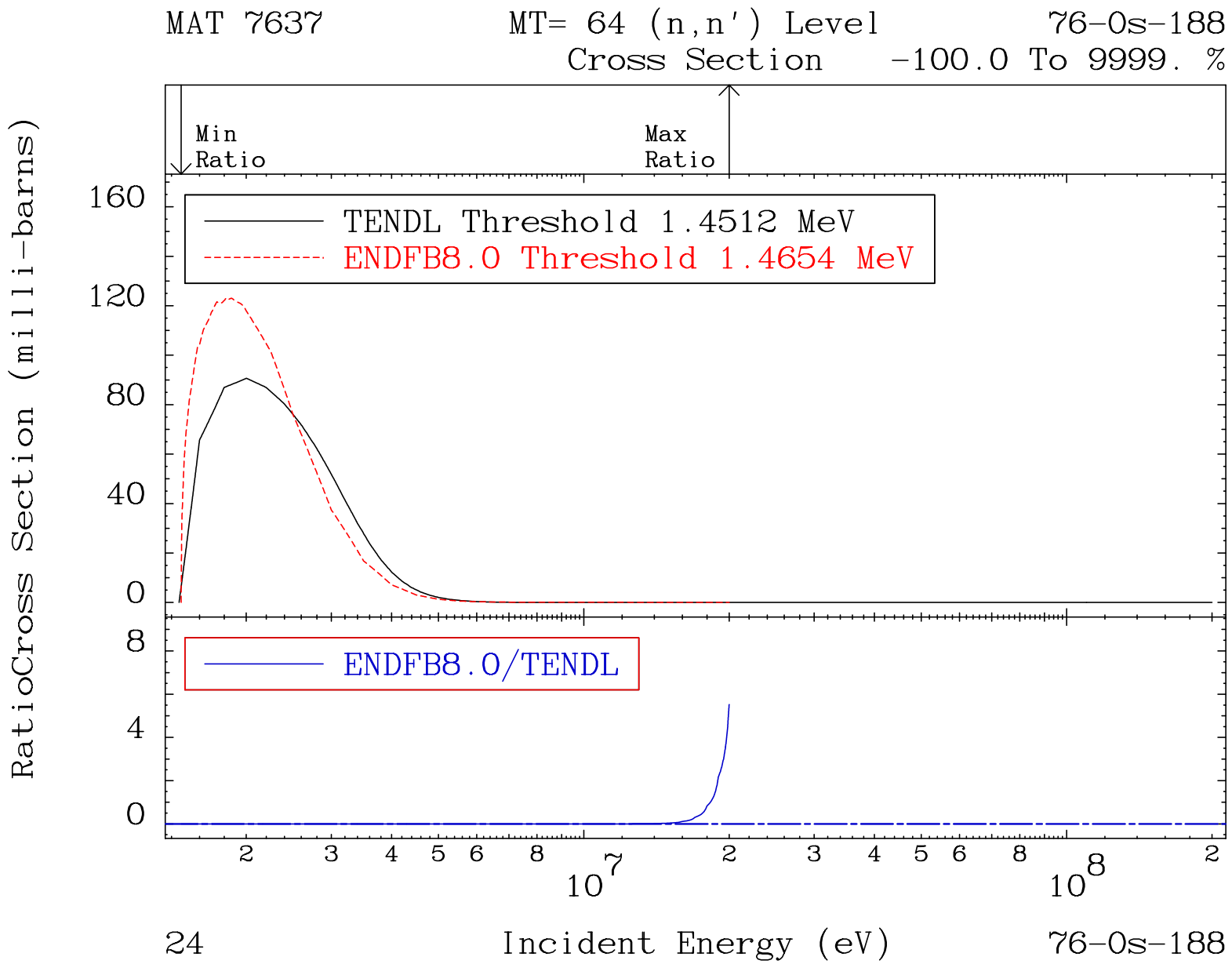

MAT 7637
MT= 59 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1871 MeV
ENDFB8.0 Threshold 1.2860 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
6
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
76-0s-188

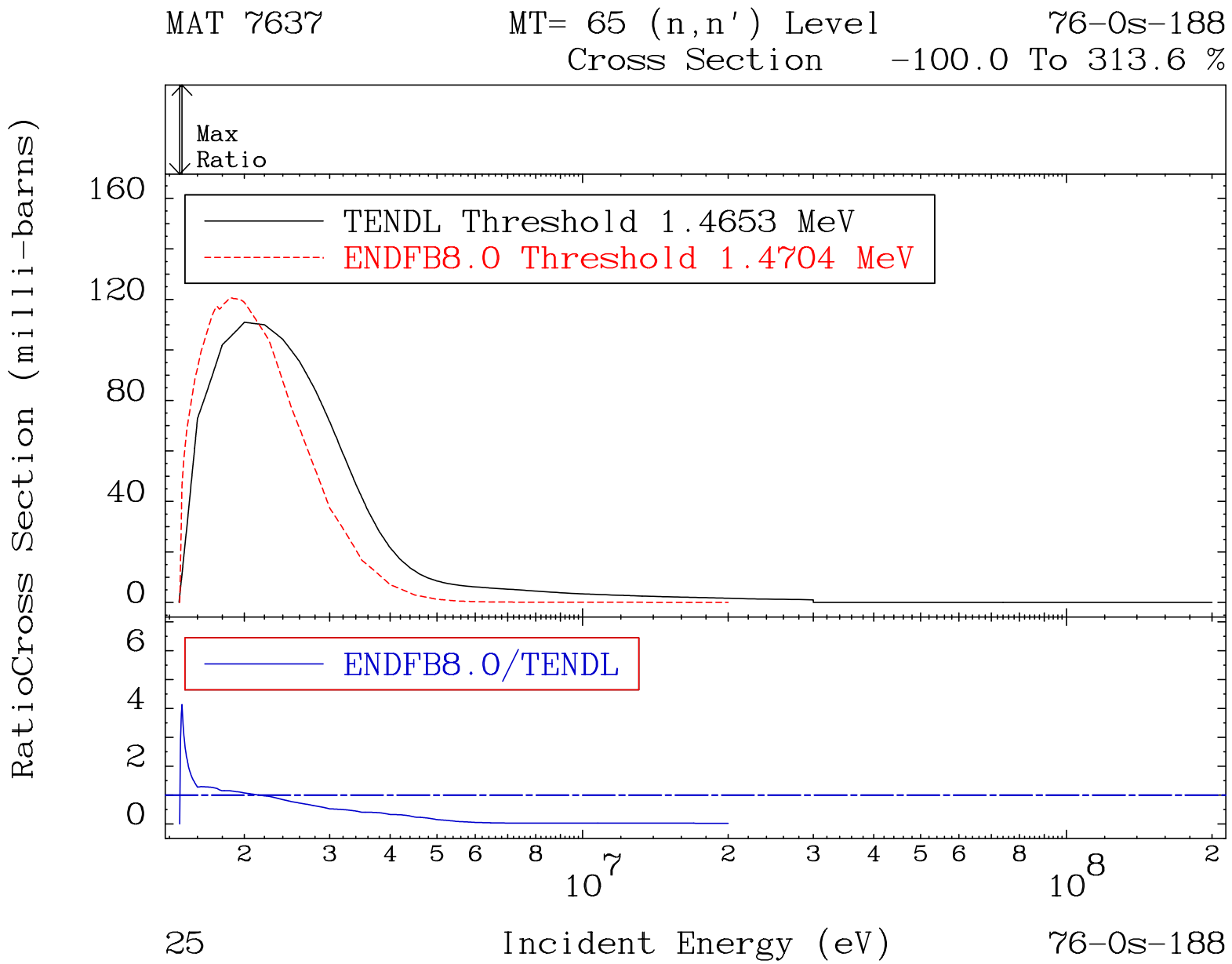

MAT 7637
MT= 60 (n,n') Level
76-0s-188
Cross Section -100.0 To 603.9 %
Max
Ratio
TENDL Threshold 1.2859 MeV
ENDFB8.0 Threshold 1.3118 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
76-0s-188

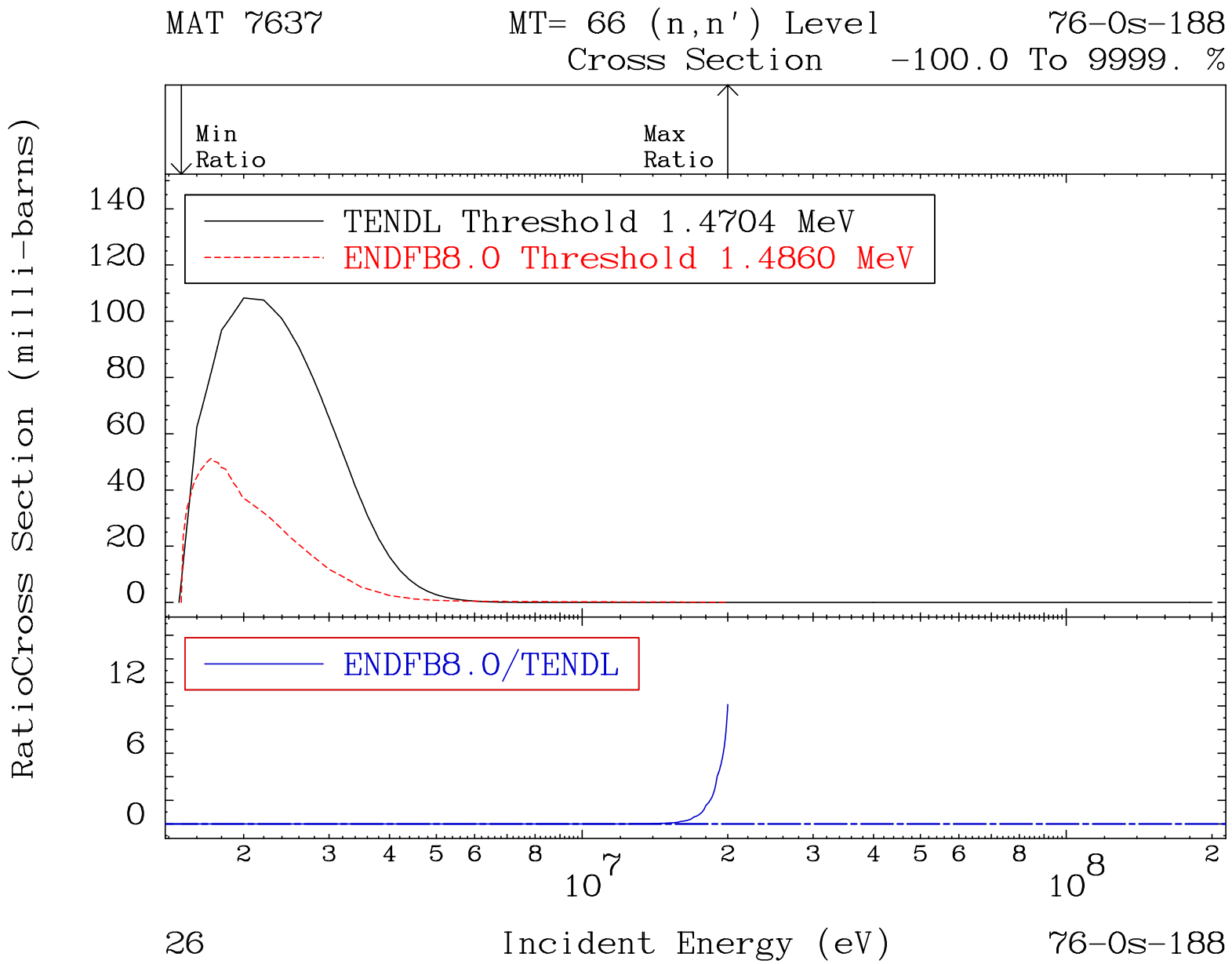

MAT 7637
MT= 61 (n,n') Level
76-0s-188
Cross Section -100.0 To -10.03%
Max
Ratio
TENDL Threshold 1.3118 MeV
ENDFB8.0 Threshold 1.4214 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
76-0s-188

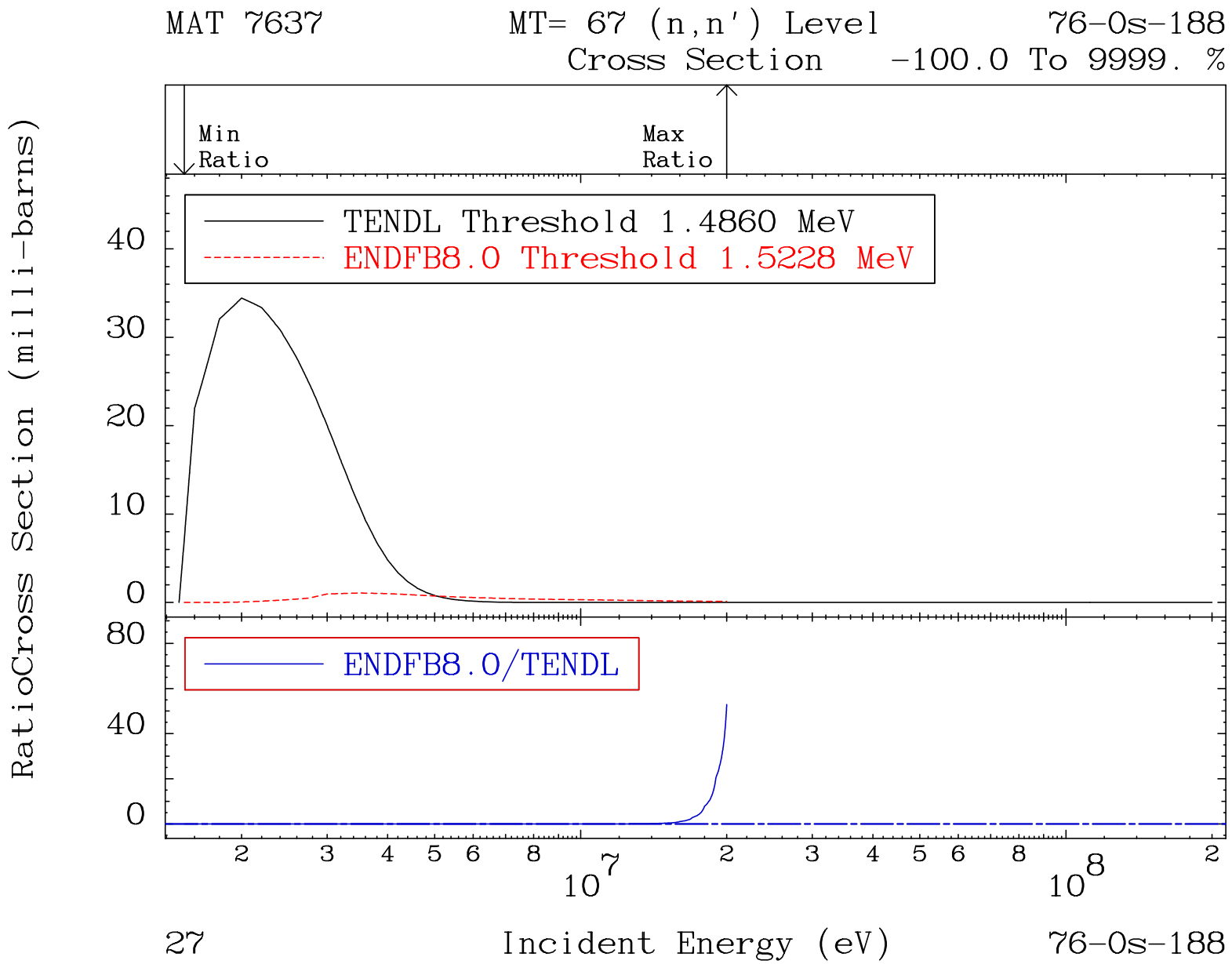

MAT 7637
MT= 62 (n,n') Level
76-0s-188
Cross Section -100.0 To -80.48%
Min Ratio
Max Ratio
TENDL Threshold 1.4215 MeV
ENDFB8.0 Threshold 1.4325 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
0.3
0.2
0.1
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
76-0s-188

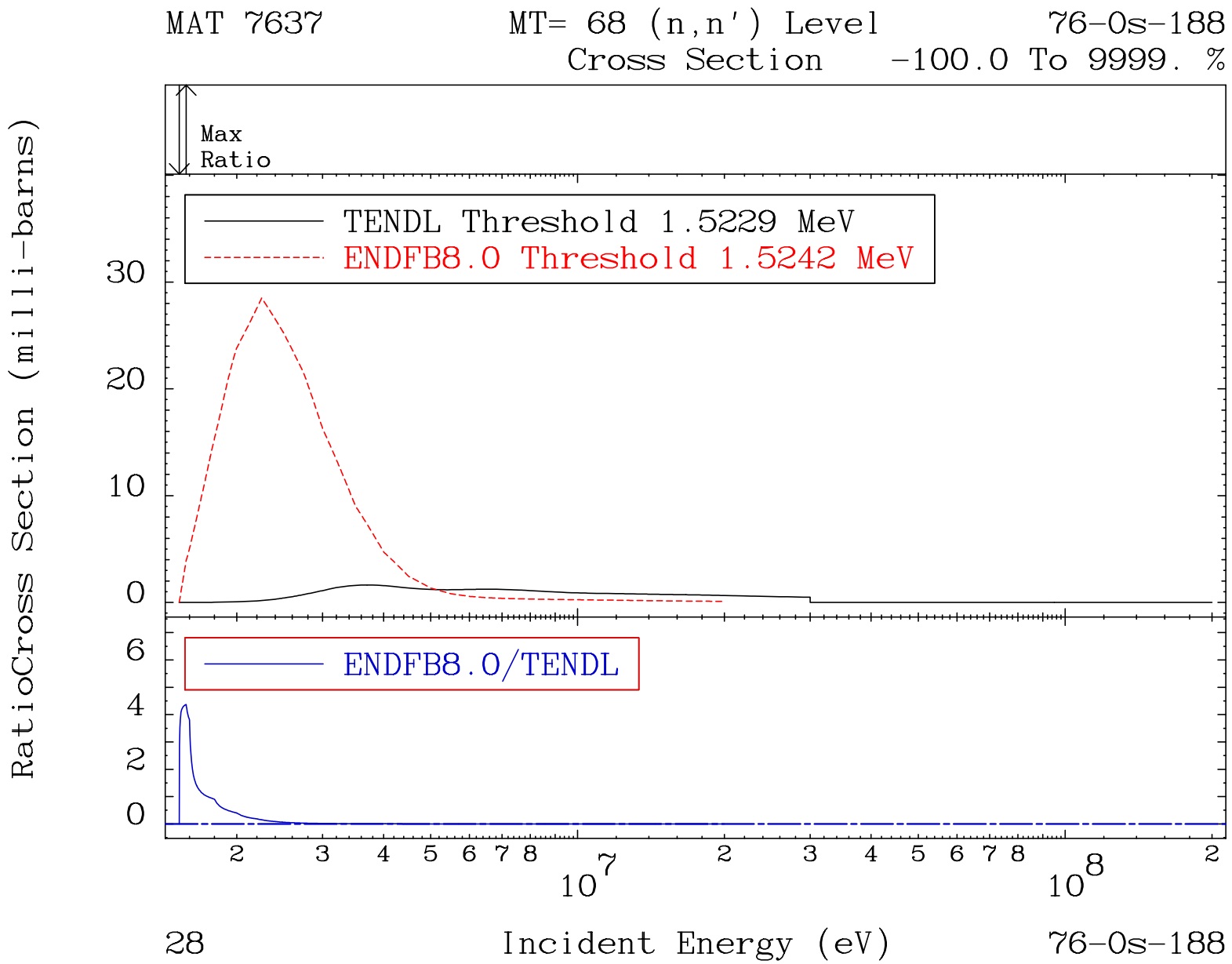

MAT 7637
MT= 63 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Max
Ratio
160
120
80
40
0
TENDL Threshold 1.4326 MeV
ENDFB8.0 Threshold 1.4513 MeV
400
200
0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
76-0s-188

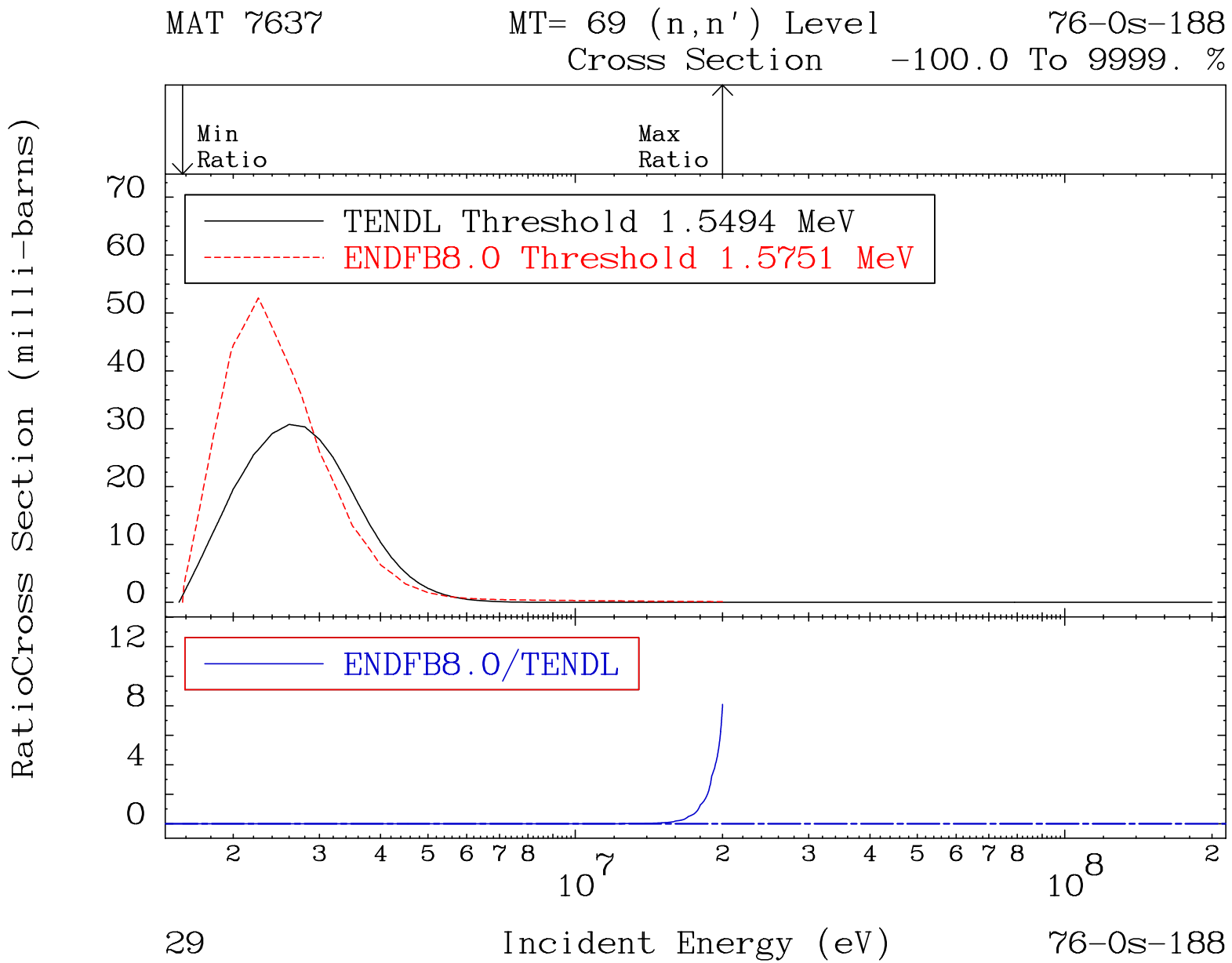

MAT 7637
MT= 64 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4512 MeV
ENDFB8.0 Threshold 1.4654 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
76-0s-188

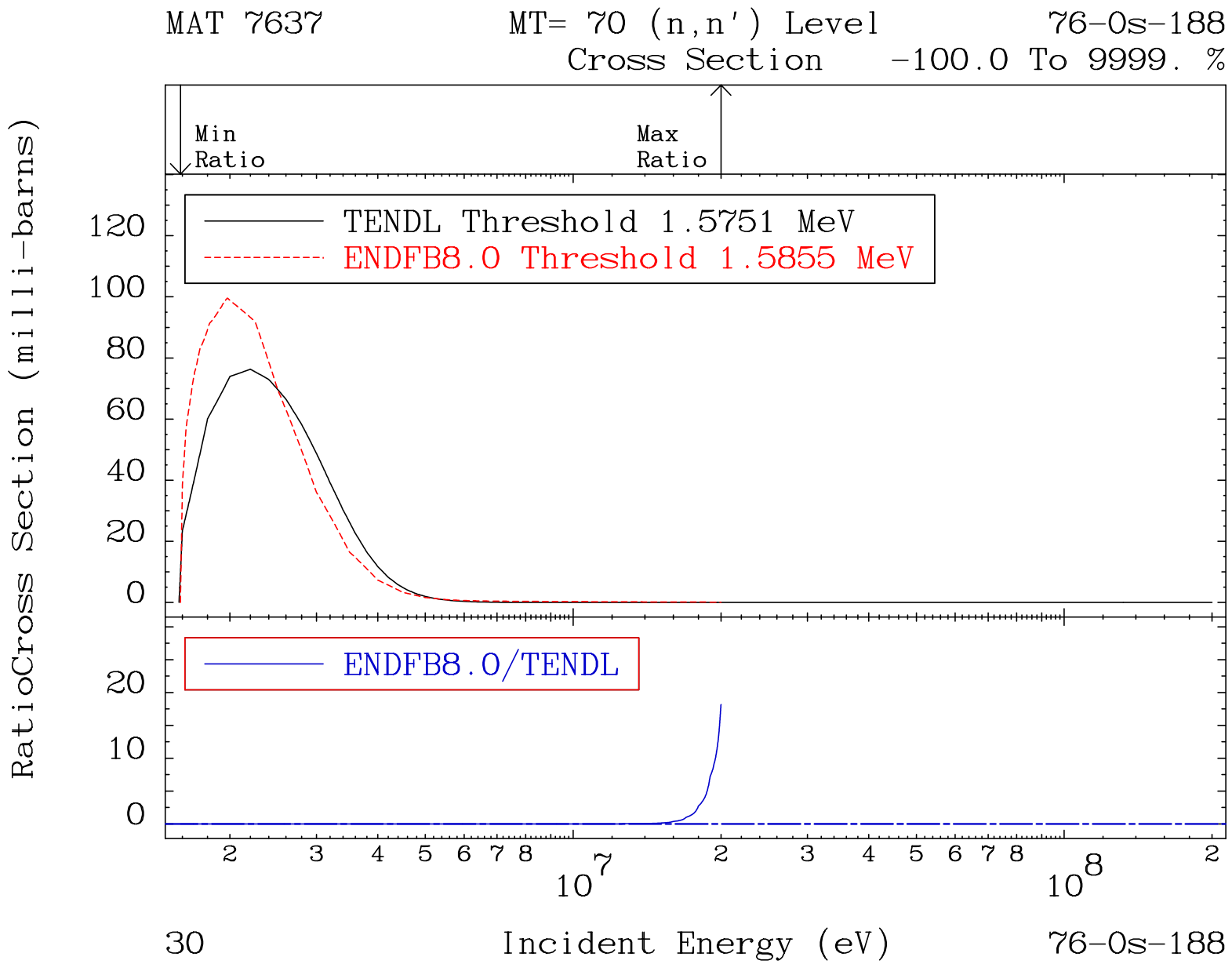

MAT 7637
MT= 65 (n,n') Level
76-0s-188
Cross Section -100.0 To 313.6 %
Max
Ratio
TENDL Threshold 1.4653 MeV
ENDFB8.0 Threshold 1.4704 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
6
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
76-0s-188

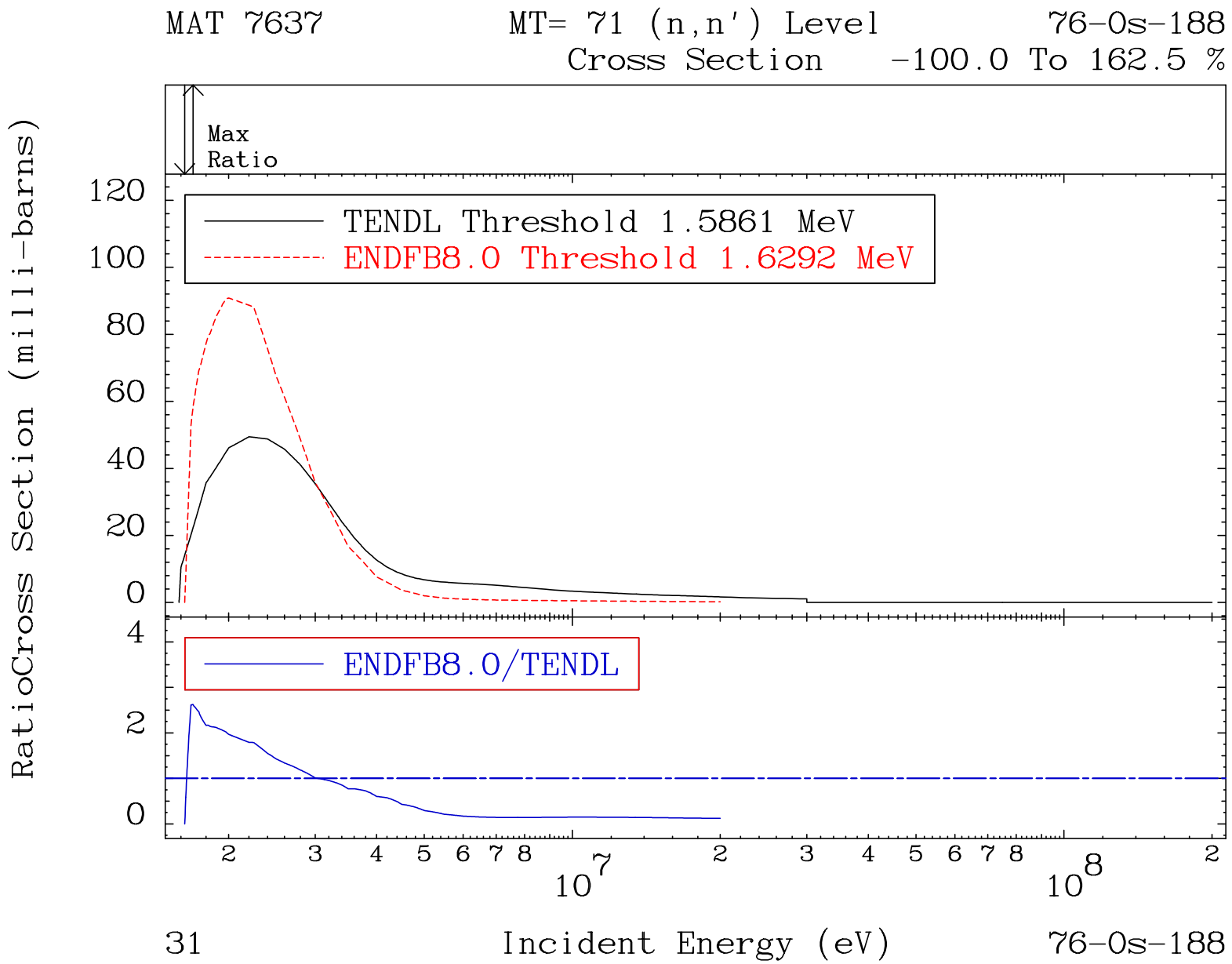

MAT 7637
MT= 66 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4704 MeV
ENDFB8.0 Threshold 1.4860 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
12
6
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
76-0s-188

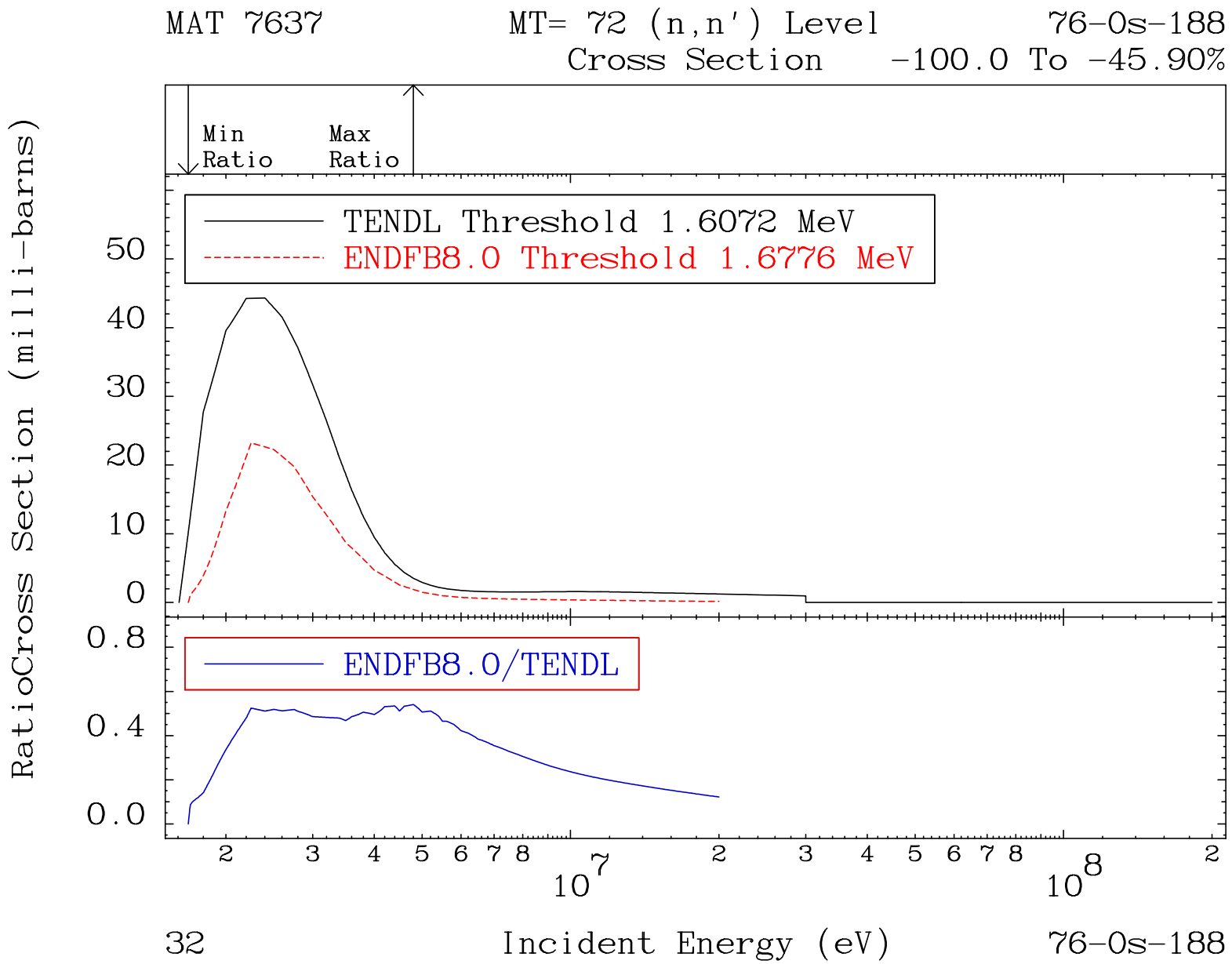

MAT 7637
MT= 67 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4860 MeV
ENDFB8.0 Threshold 1.5228 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
76-0s-188

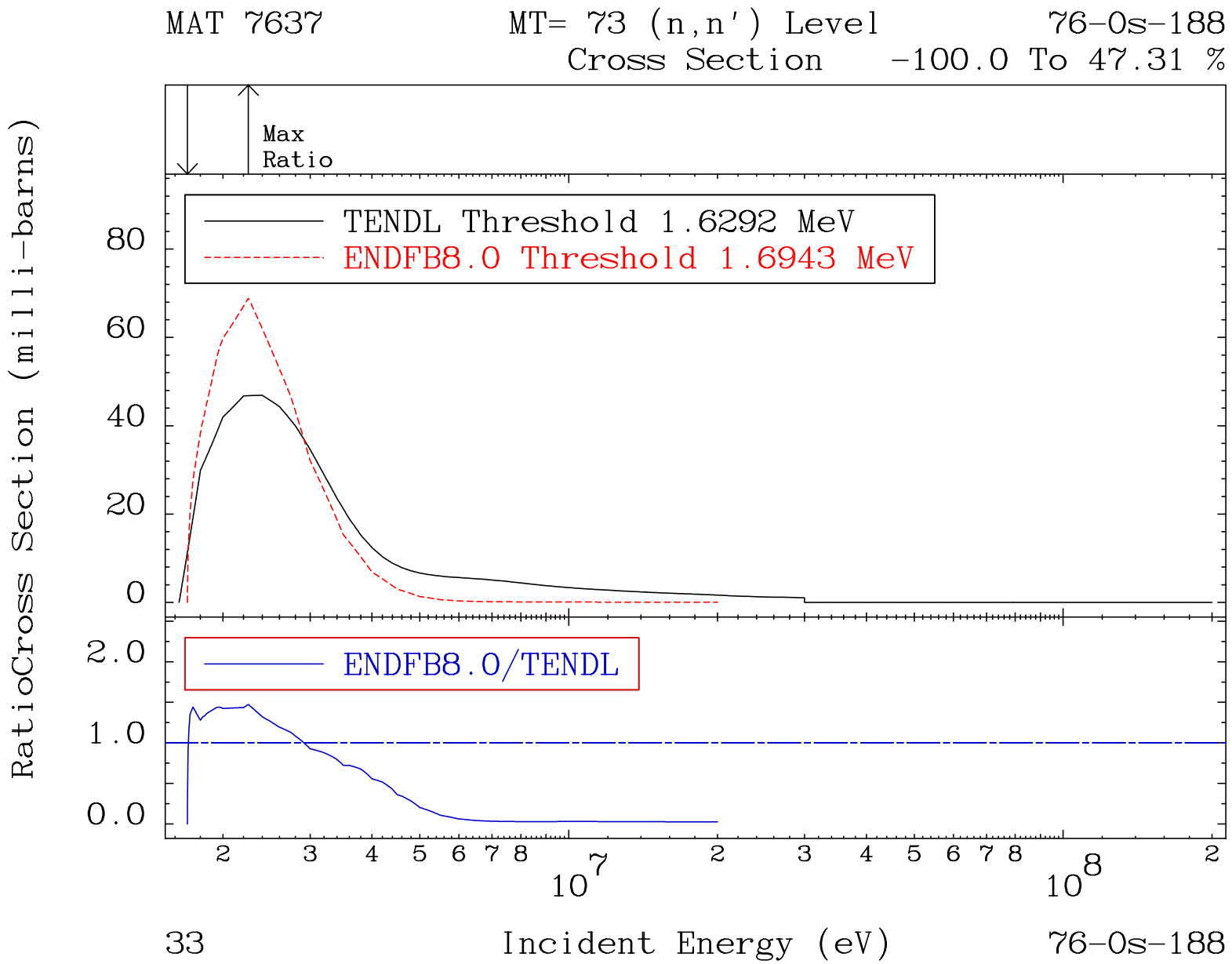

MAT 7637
MT= 68 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 1.5229 MeV
ENDFB8.0 Threshold 1.5242 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
76-0s-188

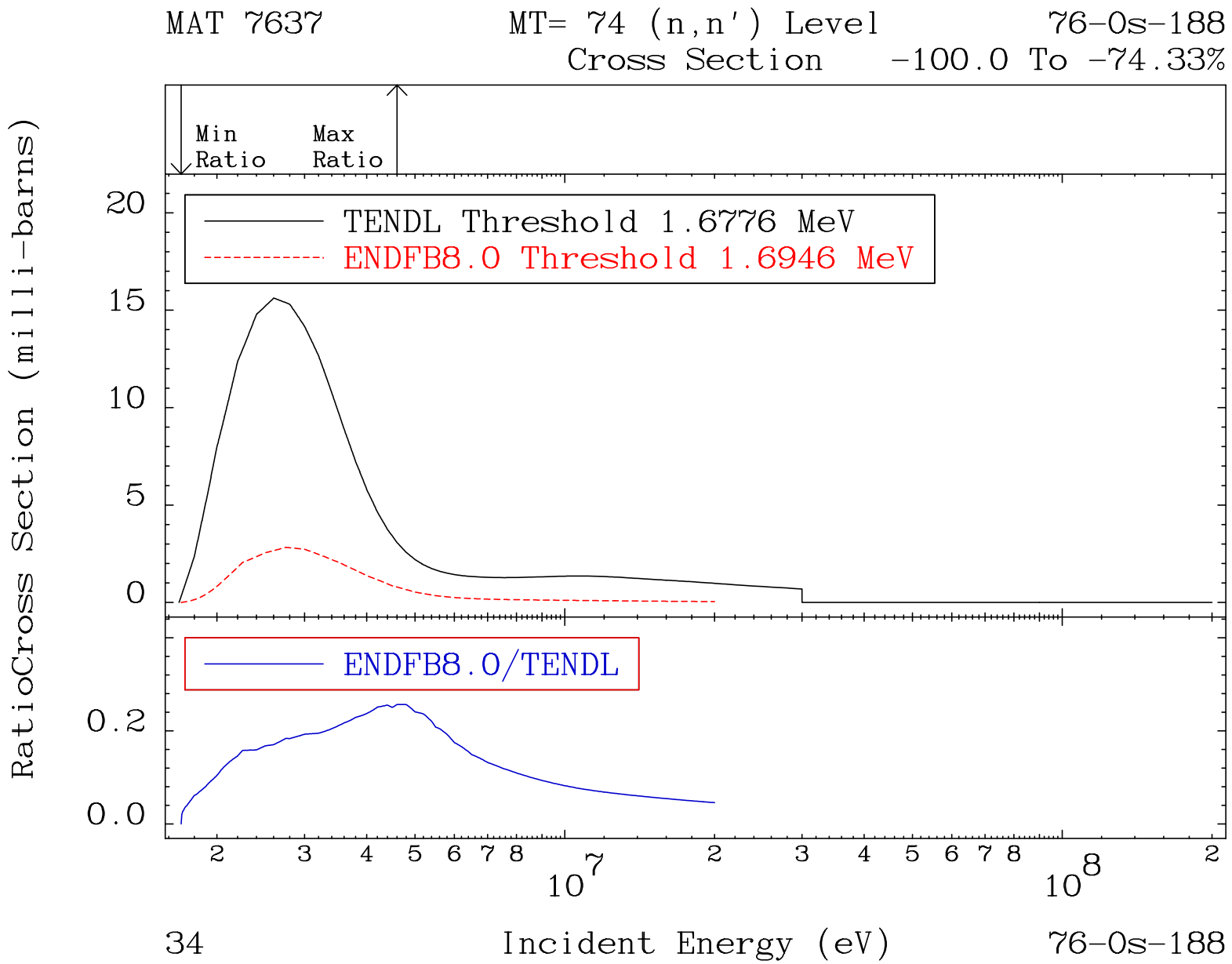

MAT 7637
MT= 69 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.5494 MeV
ENDFB8.0 Threshold 1.5751 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
12
8
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
76-0s-188

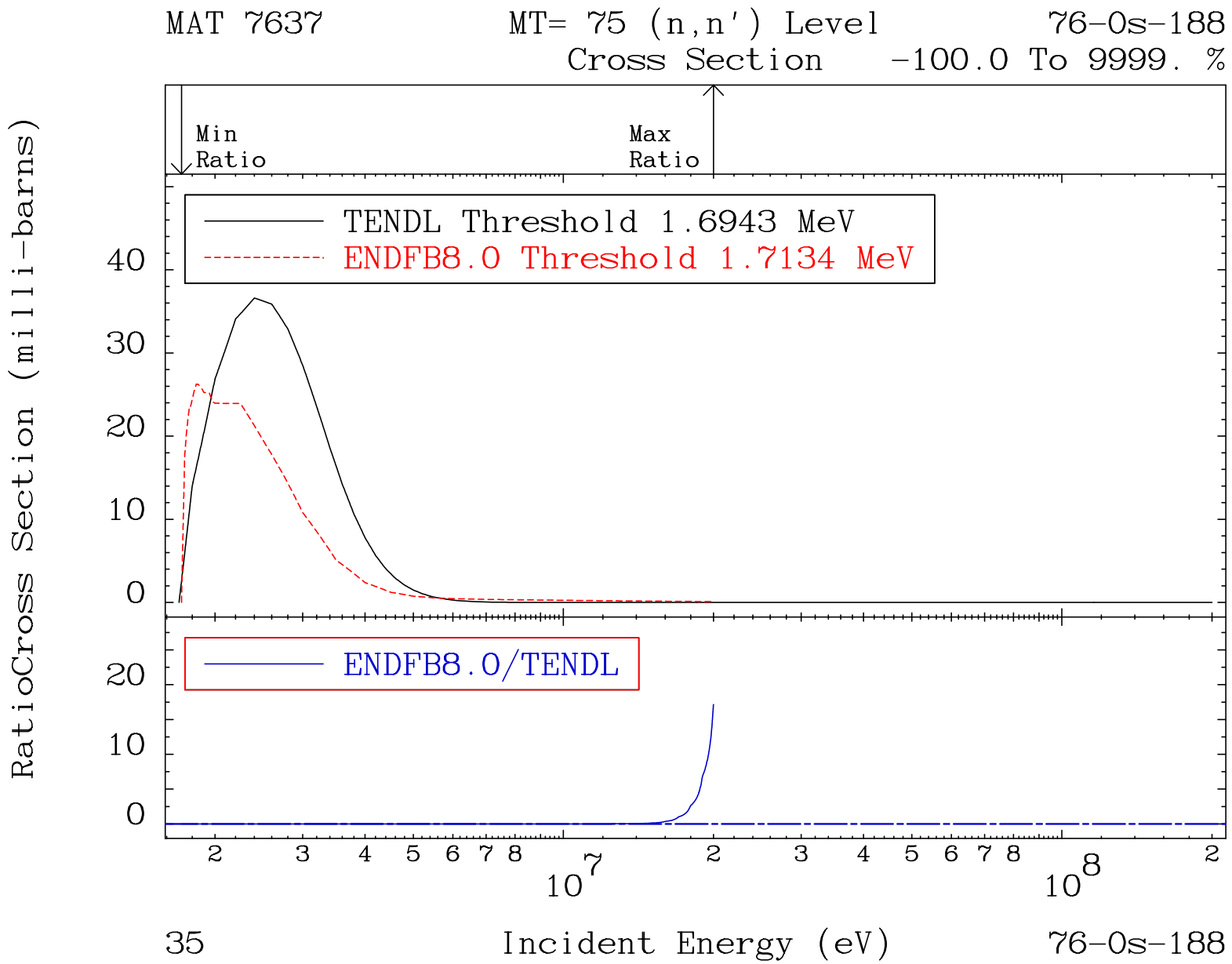

MAT 7637
MT= 70 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.5751 MeV
ENDFB8.0 Threshold 1.5855 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
76-0s-188

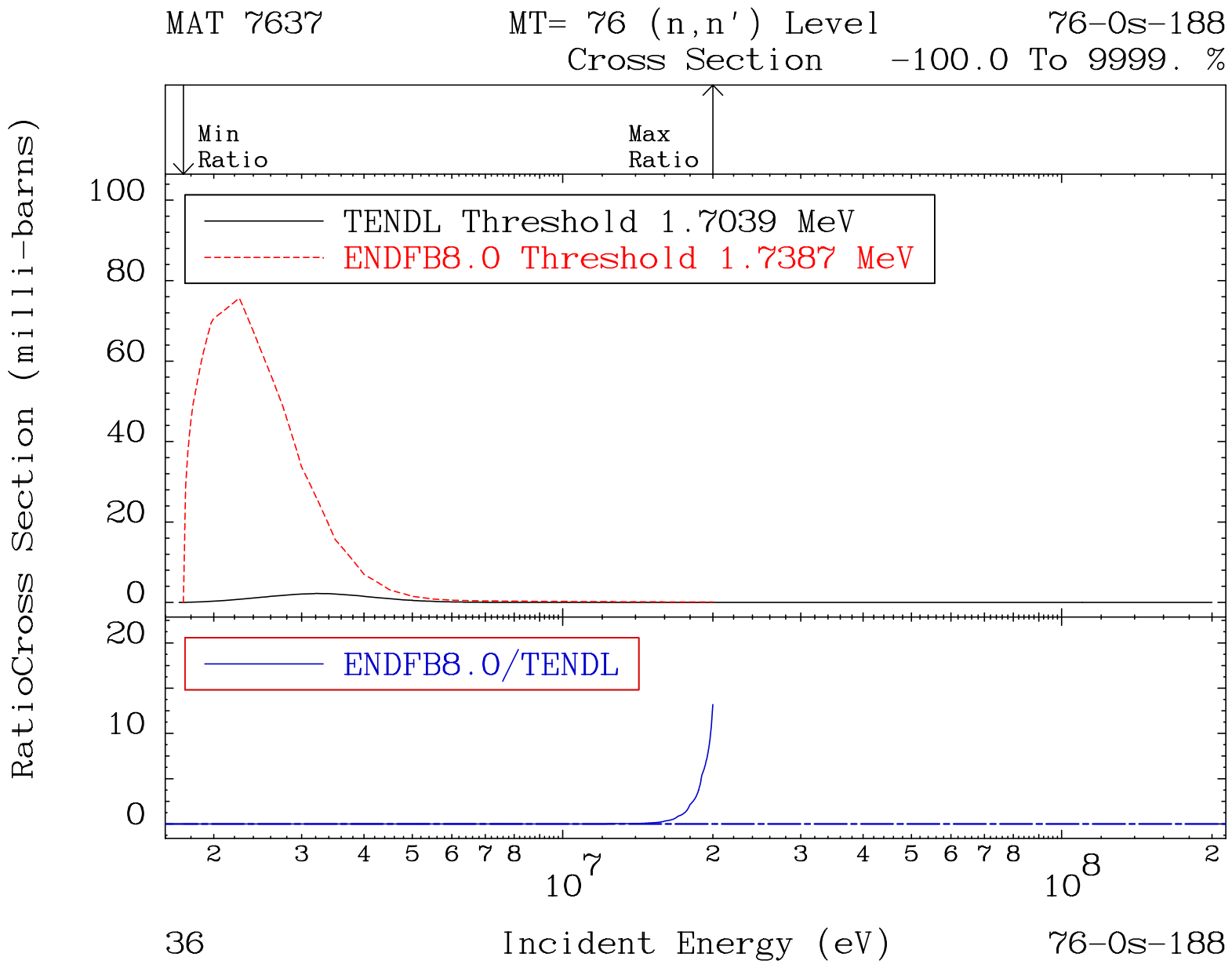

MAT 7637
MT= 71 (n,n') Level
76-0s-188
Cross Section -100.0 To 162.5 %
Max
Ratio
TENDL Threshold 1.5861 MeV
ENDFB8.0 Threshold 1.6292 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
76-0s-188

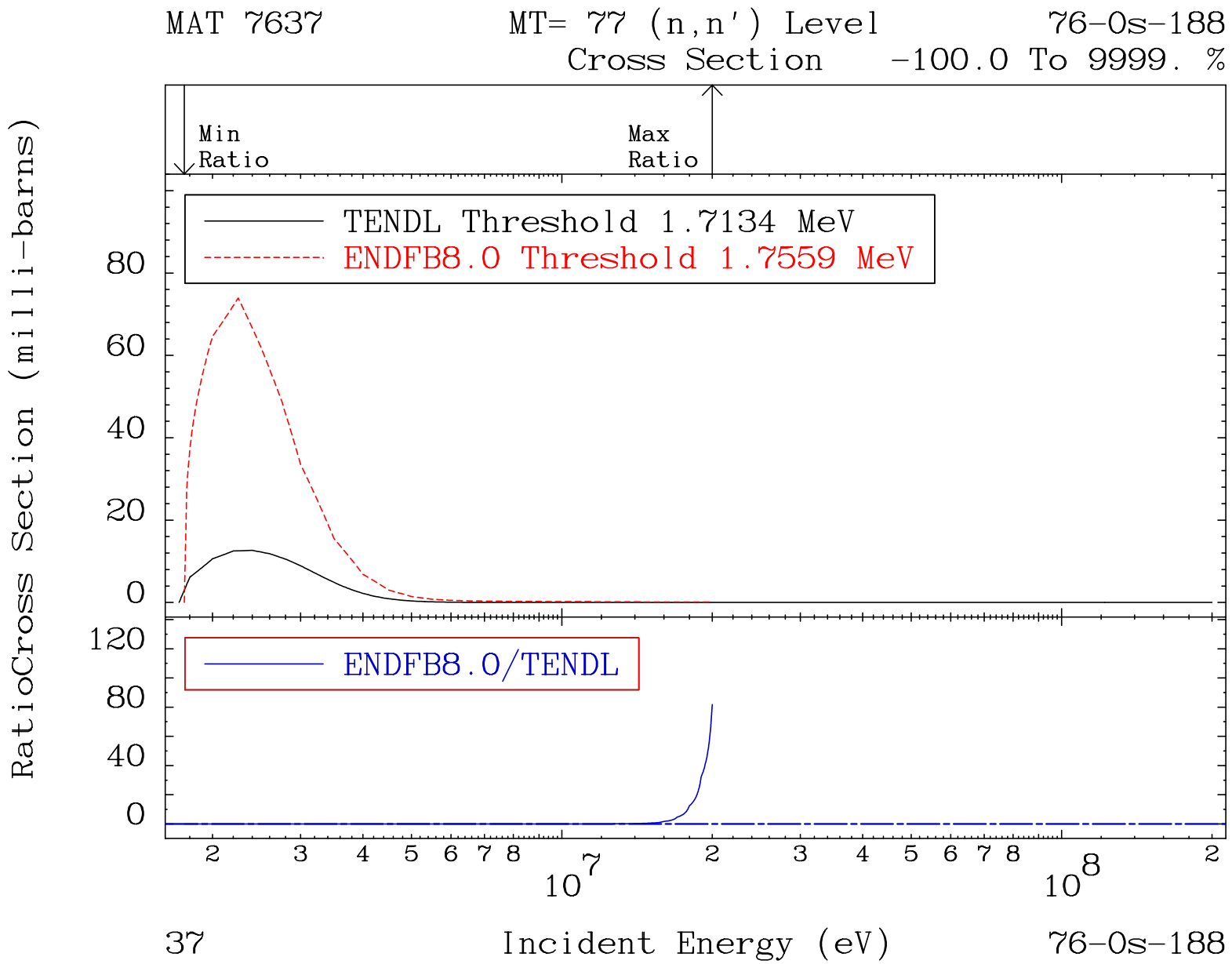

MAT 7637
MT= 72 (n,n') Level
76-0s-188
Cross Section -100.0 To -45.90%
Min Ratio
Max Ratio
TENDL Threshold 1.6072 MeV
ENDFB8.0 Threshold 1.6776 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
76-0s-188

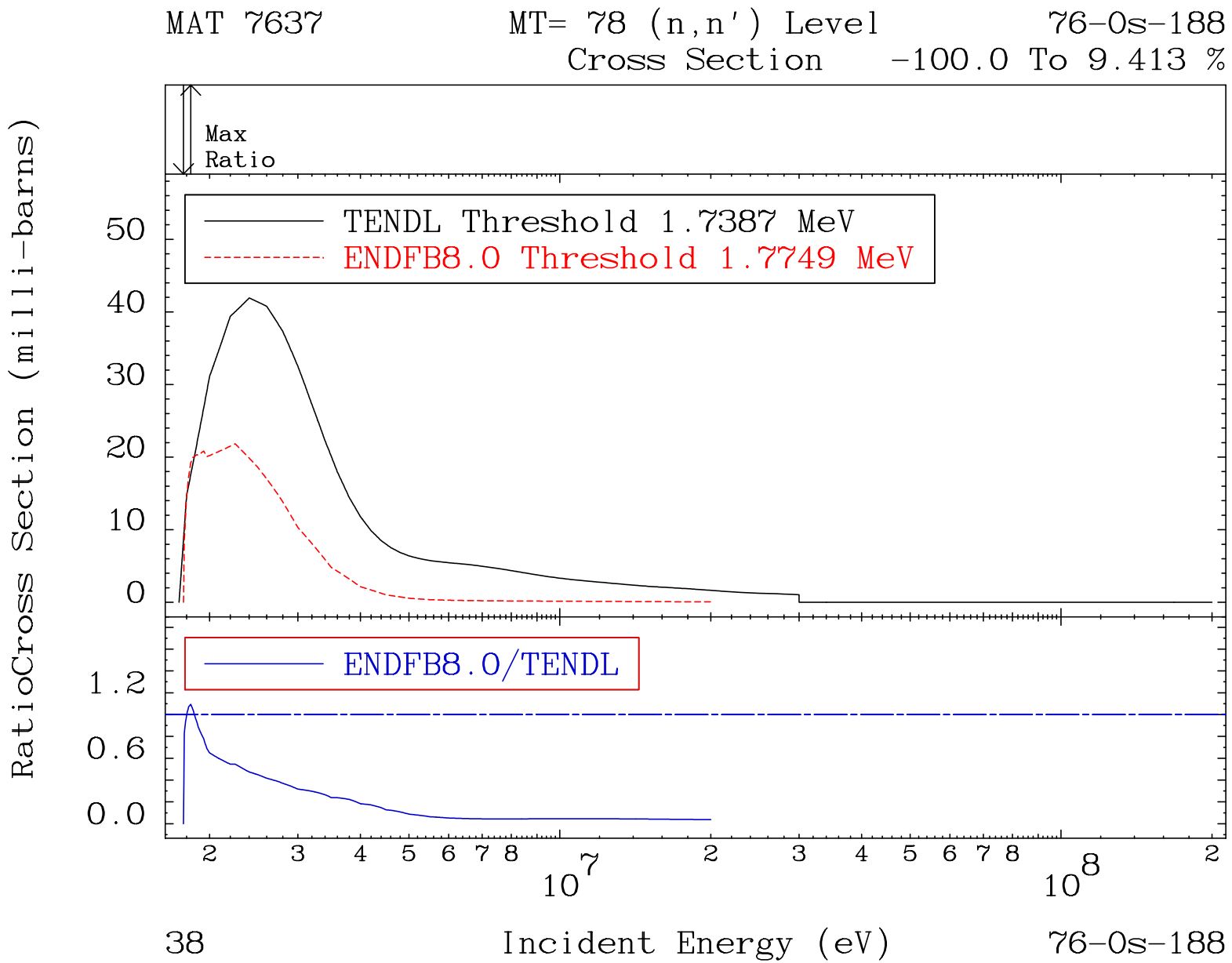

MAT 7637
MT= 73 (n,n') Level
76-0s-188
Cross Section -100.0 To 47.31 %
Max
Ratio
TENDL Threshold 1.6292 MeV
ENDFB8.0 Threshold 1.6943 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
76-0s-188

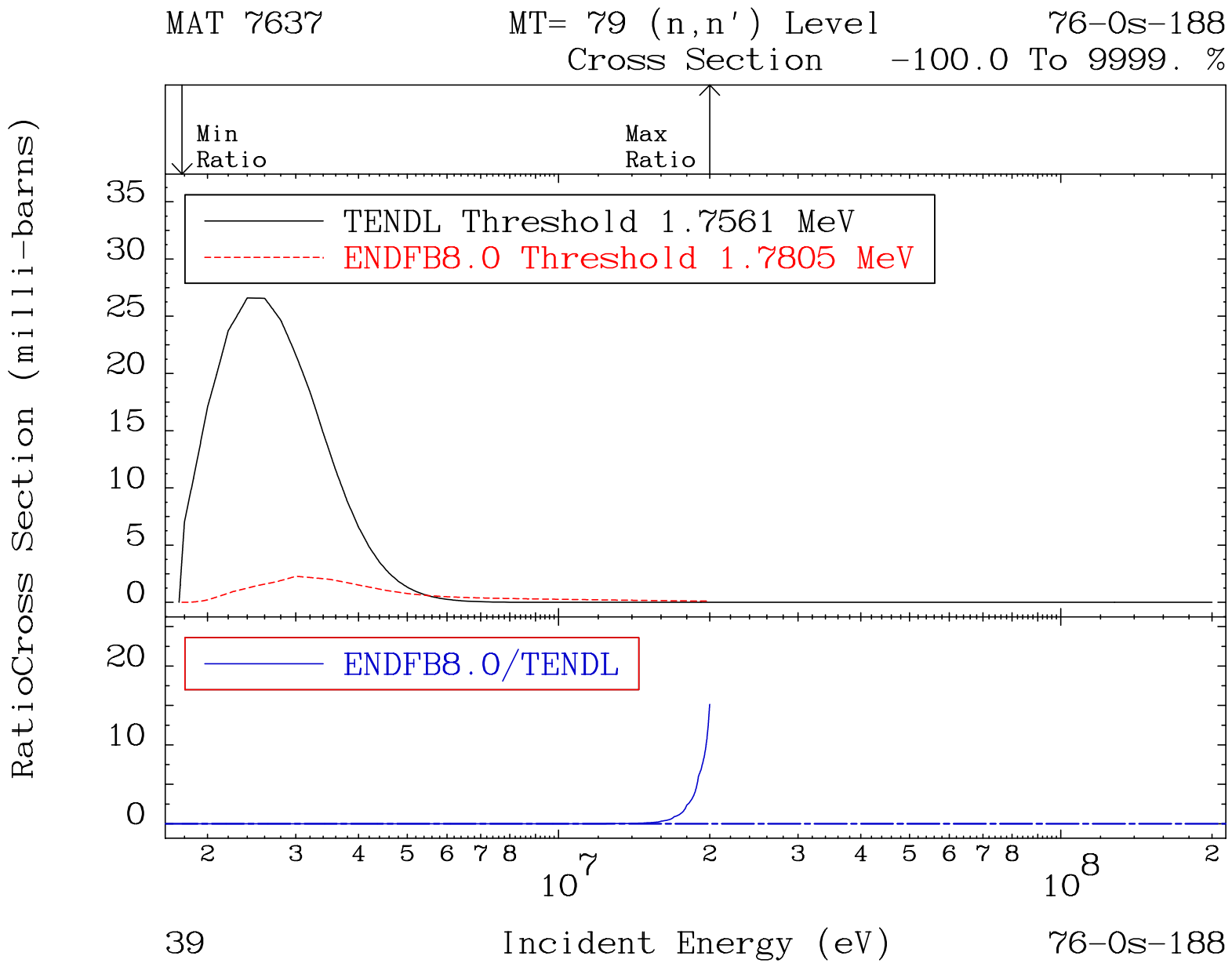

MAT 7637
MT= 74 (n,n') Level
76-0s-188
Cross Section -100.0 To -74.33%
Min Ratio
Max Ratio
TENDL Threshold 1.6776 MeV
ENDFB8.0 Threshold 1.6946 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.2
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
76-0s-188

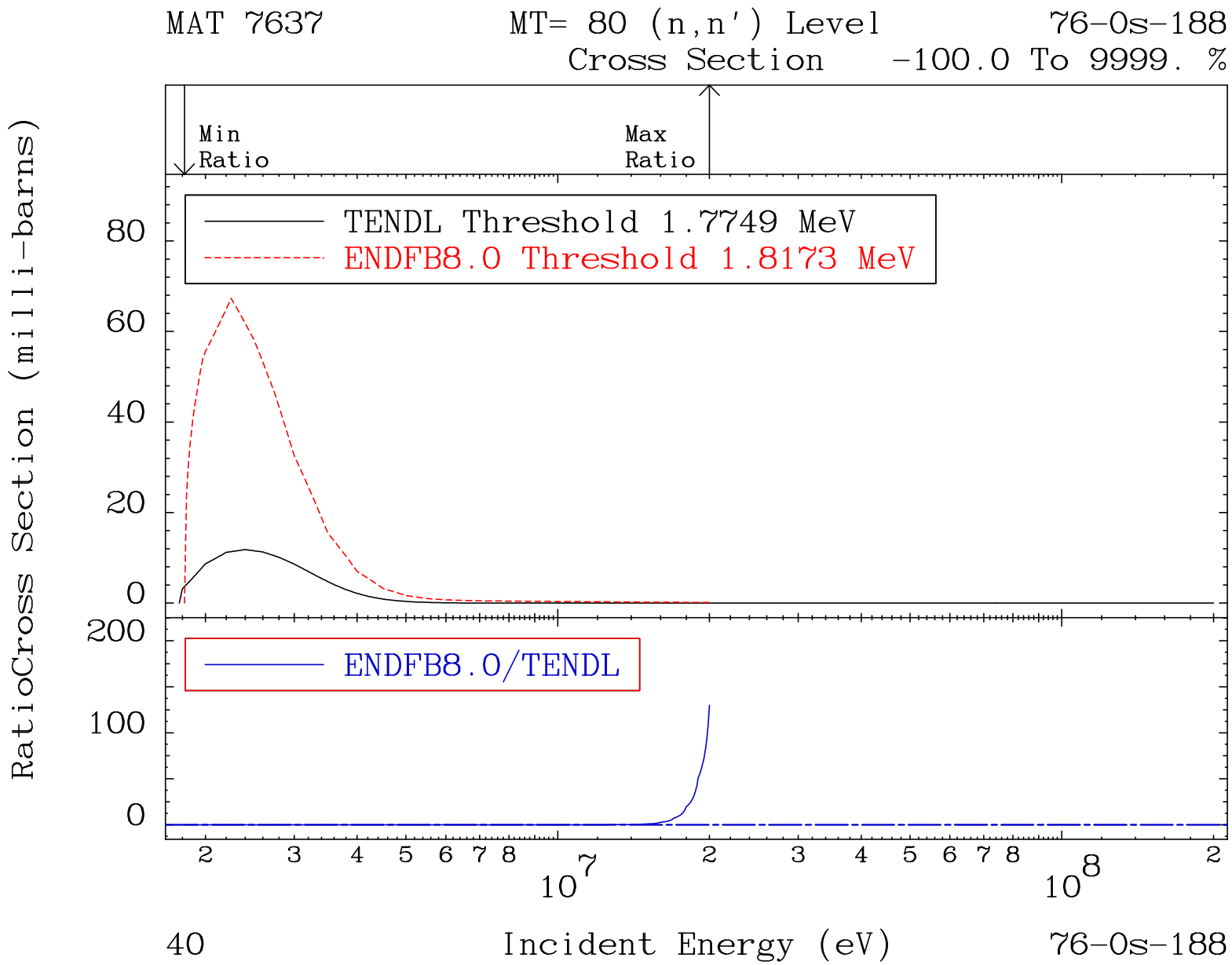

MAT 7637
MT= 75 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6943 MeV
ENDFB8.0 Threshold 1.7134 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
76-0s-188

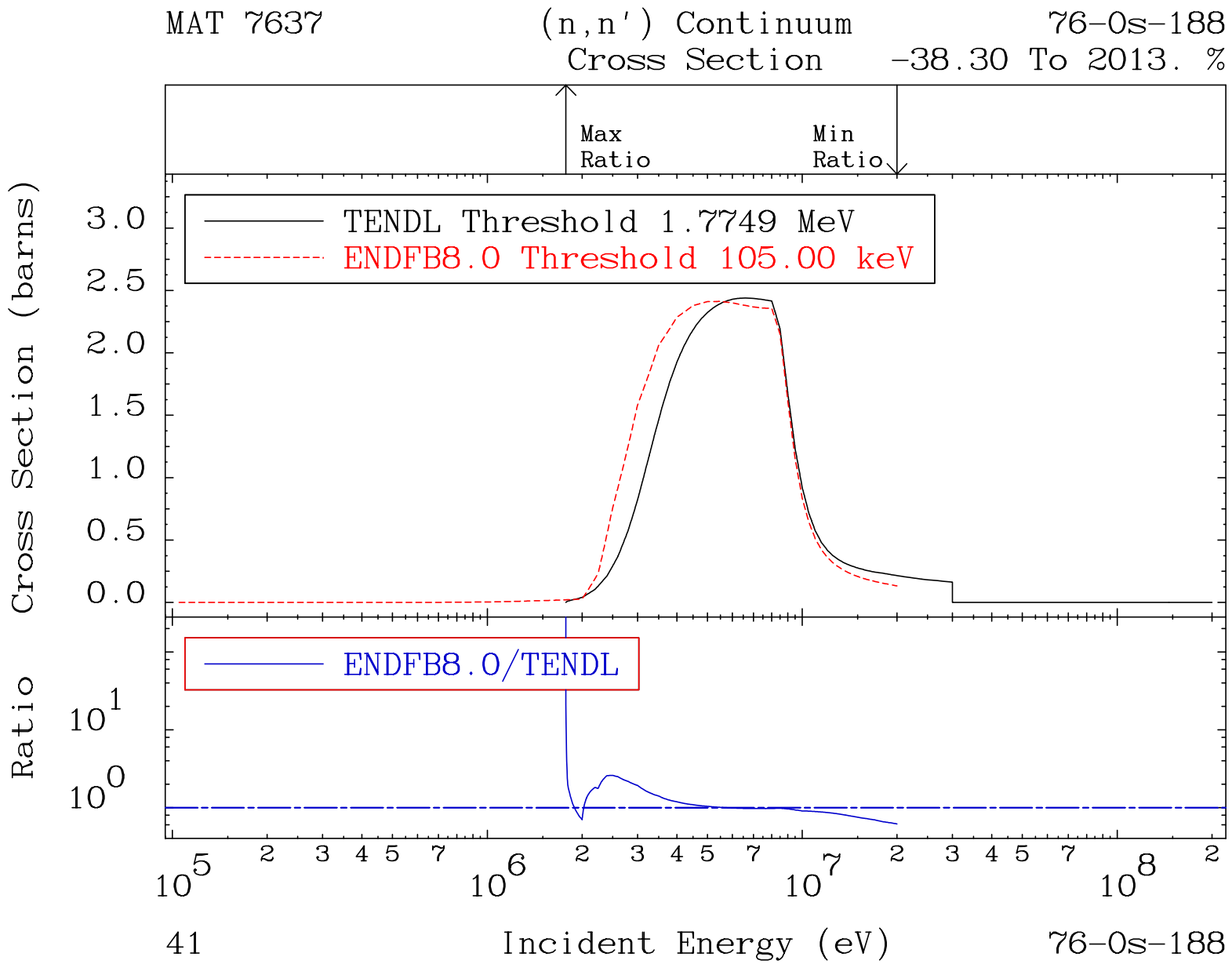

MAT 7637
MT= 76 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7039 MeV
ENDFB8.0 Threshold 1.7387 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
76-0s-188

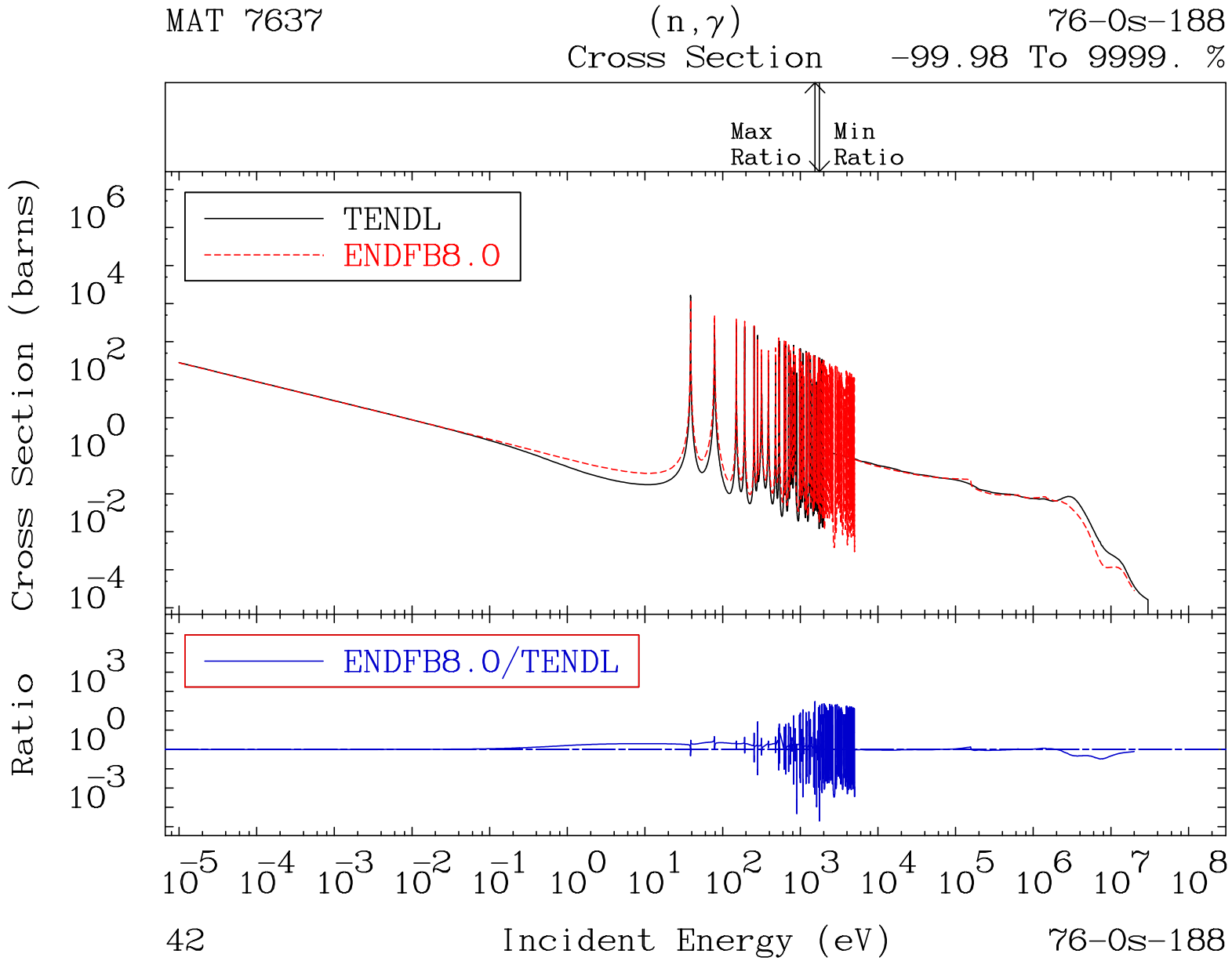

MAT 7637
MT= 77 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7134 MeV
ENDFB8.0 Threshold 1.7559 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
120
80
40
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
76-0s-188

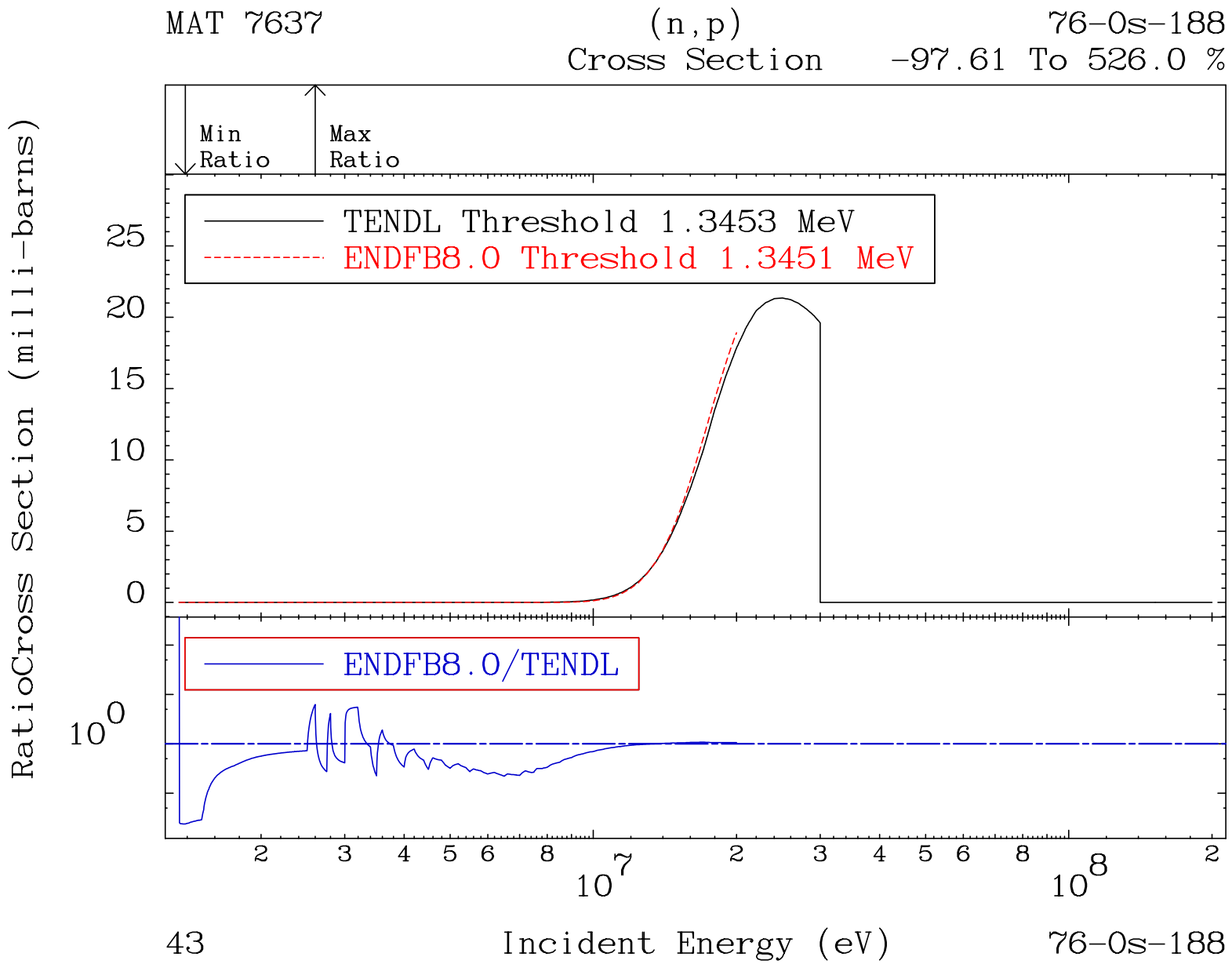

MAT 7637
MT= 78 (n,n') Level
76-0s-188
Cross Section -100.0 To 9.413 %
Max
Ratio
TENDL Threshold 1.7387 MeV
ENDFB8.0 Threshold 1.7749 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
76-0s-188

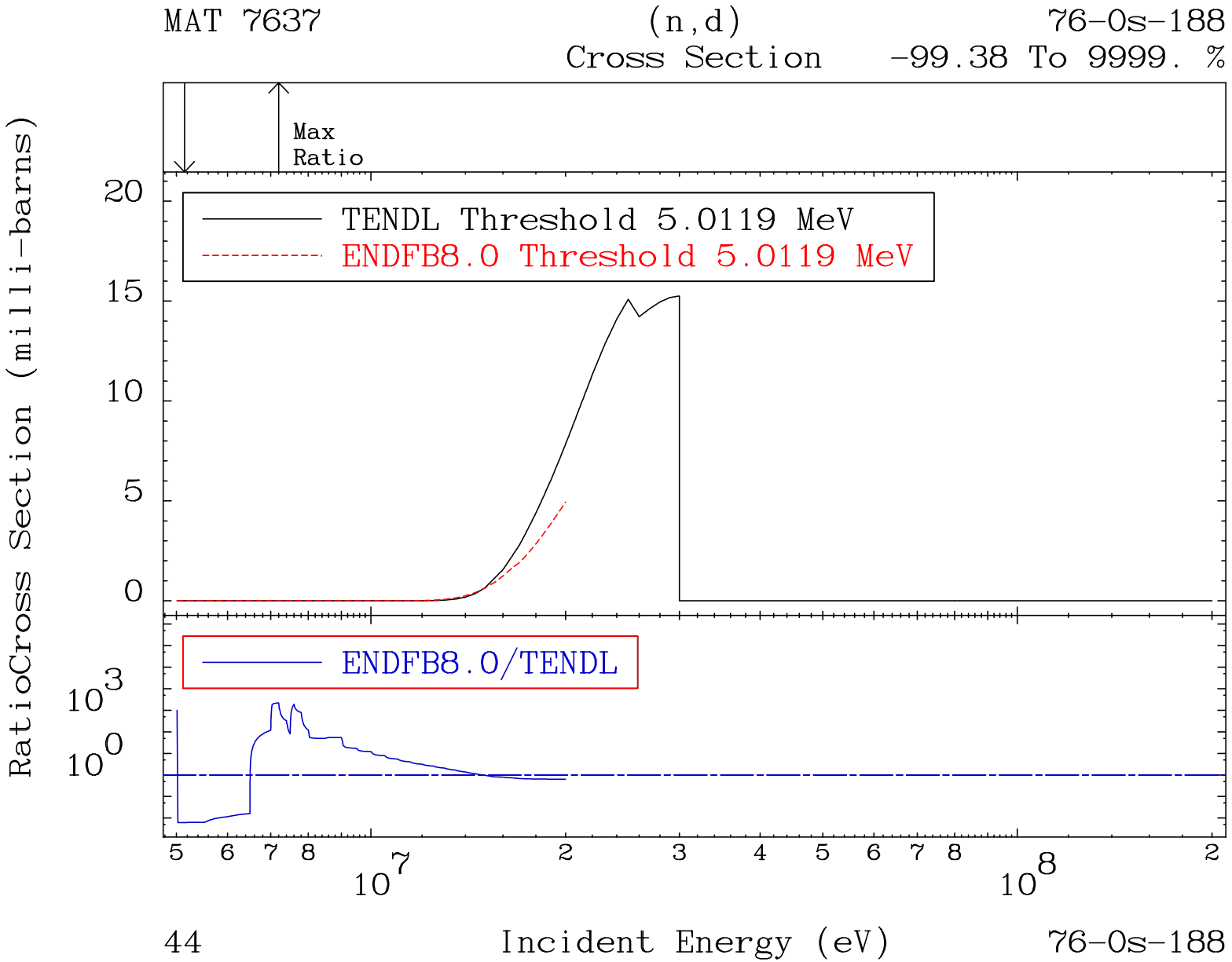

MAT 7637
MT= 79 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7561 MeV
ENDFB8.0 Threshold 1.7805 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
76-0s-188

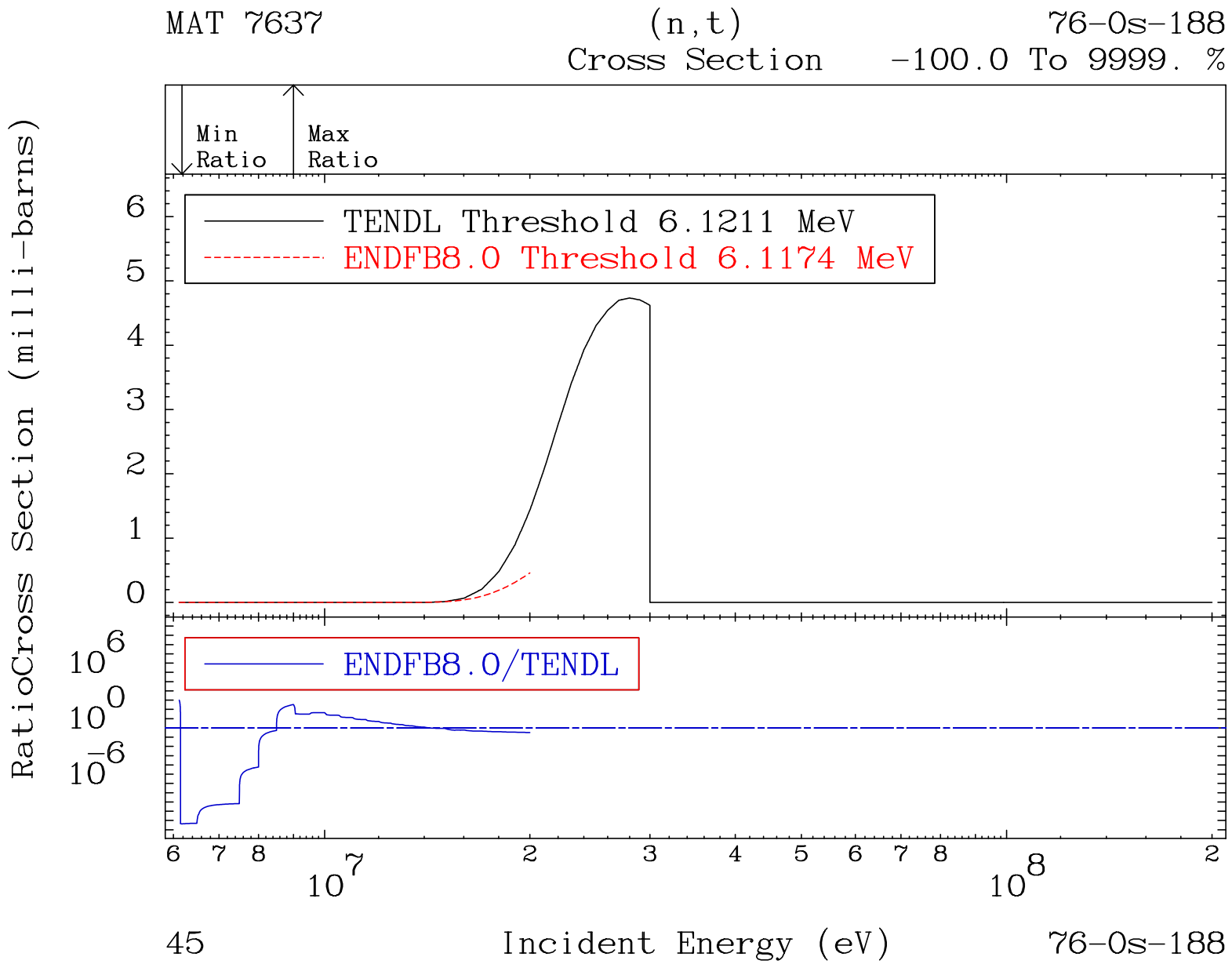

MAT 7637
MT= 80 (n,n') Level
76-0s-188
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7749 MeV
ENDFB8.0 Threshold 1.8173 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
76-0s-188

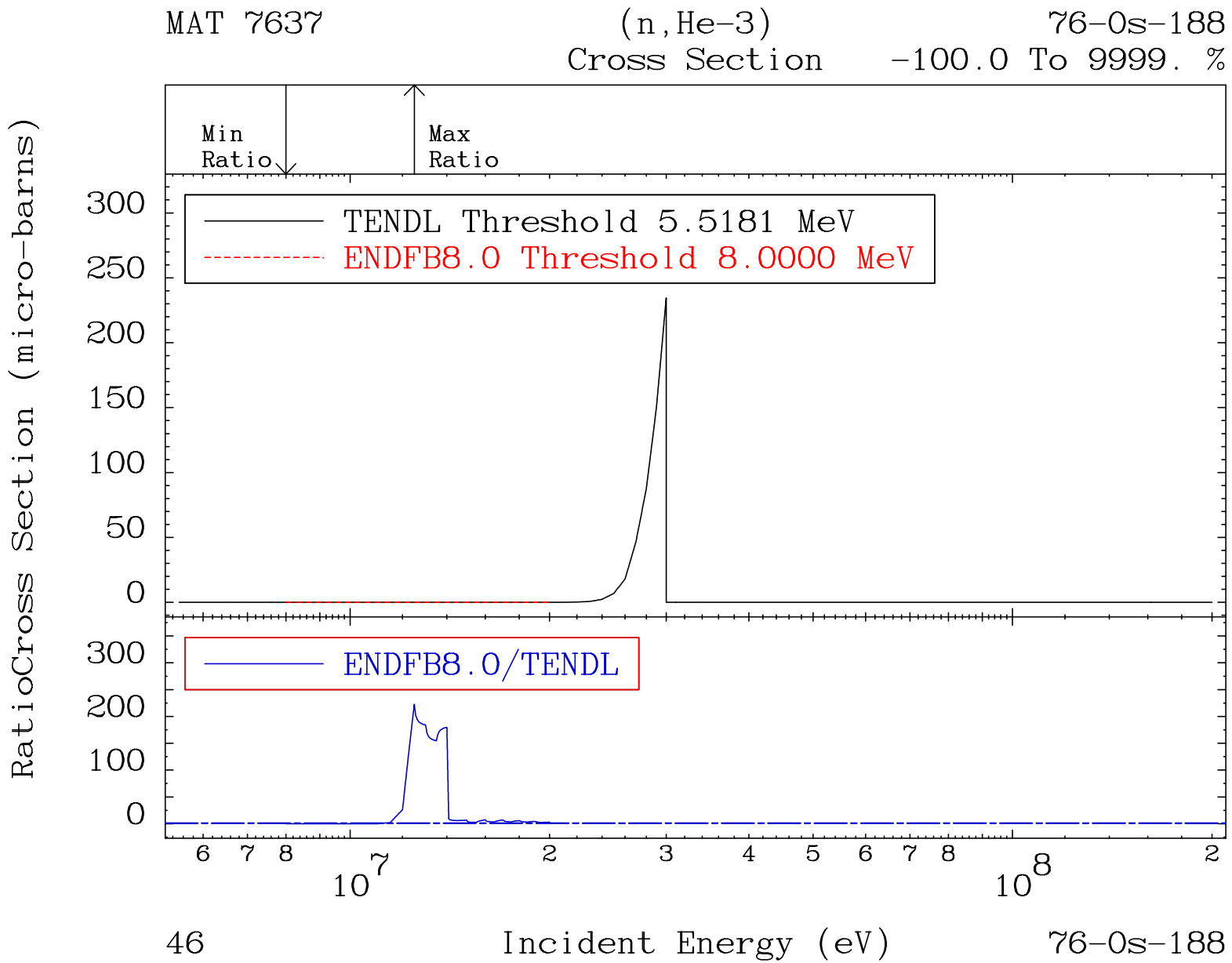

MAT 7637
(n,n') Continuum
Cross Section
76-0s-188
-38.30 To 2013. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7749 MeV
ENDFB8.0 Threshold 105.00 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^5
10^6
10^7
10^8
2 3 4 5 7
41
Incident Energy (eV)
76-0s-188

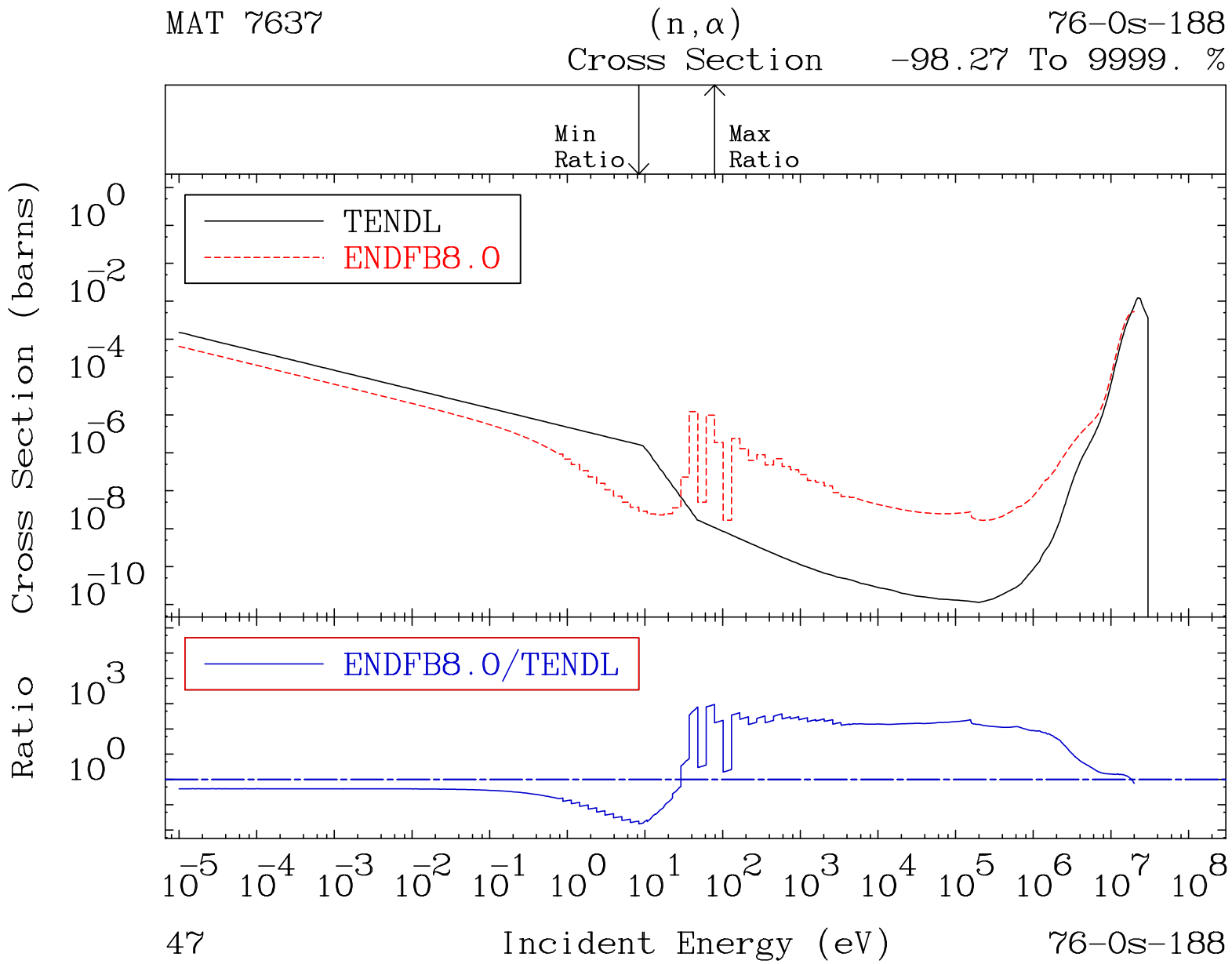

MAT 7637
(n,γ)
Cross Section
76-0s-188
-99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
76-0s-188

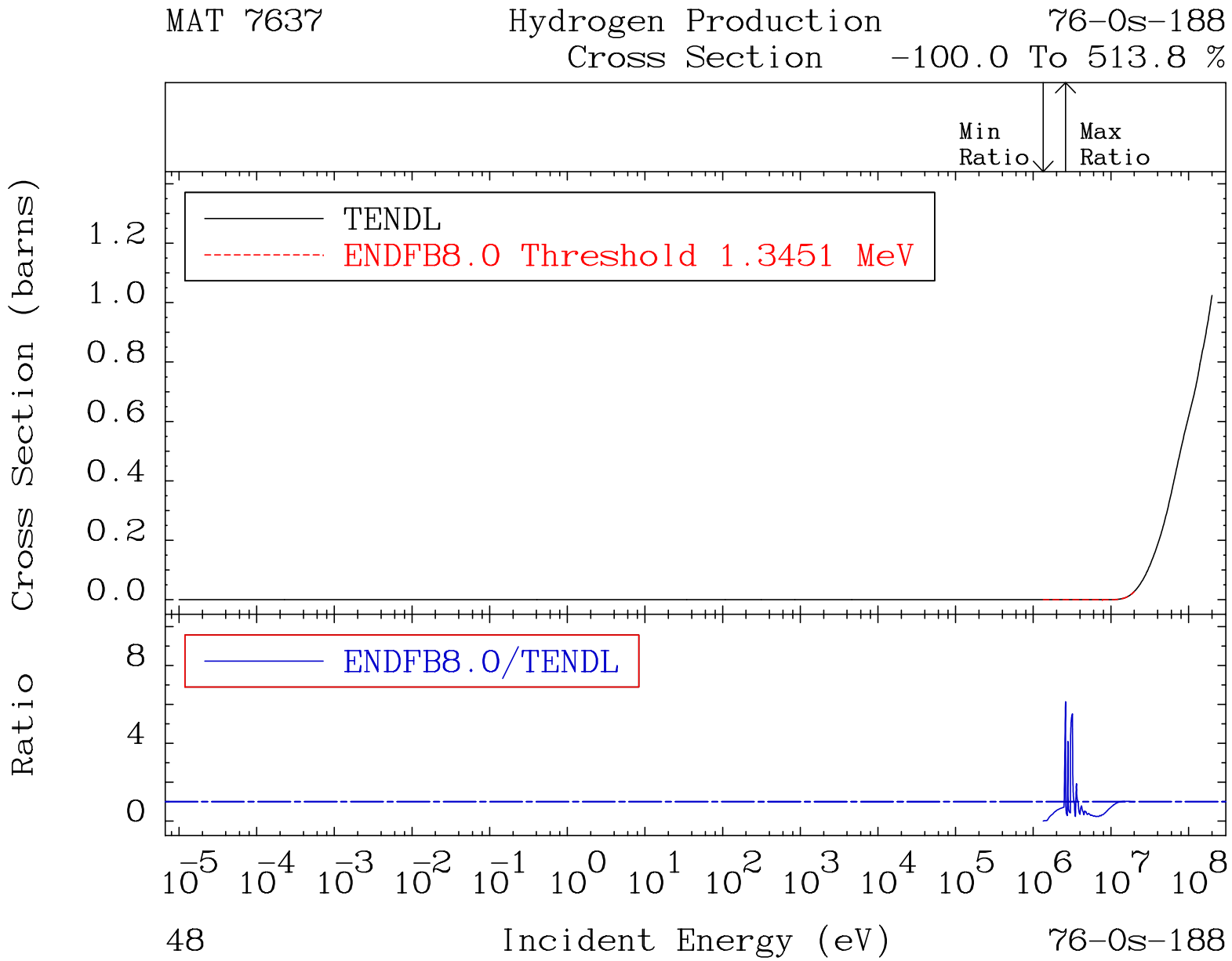

MAT 7637
(n,p)
76-0s-188
Cross Section
-97.61 To 526.0 %
Min Ratio
Max Ratio
TENDL Threshold 1.3453 MeV
ENDFB8.0 Threshold 1.3451 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
43
Incident Energy (eV)
76-0s-188

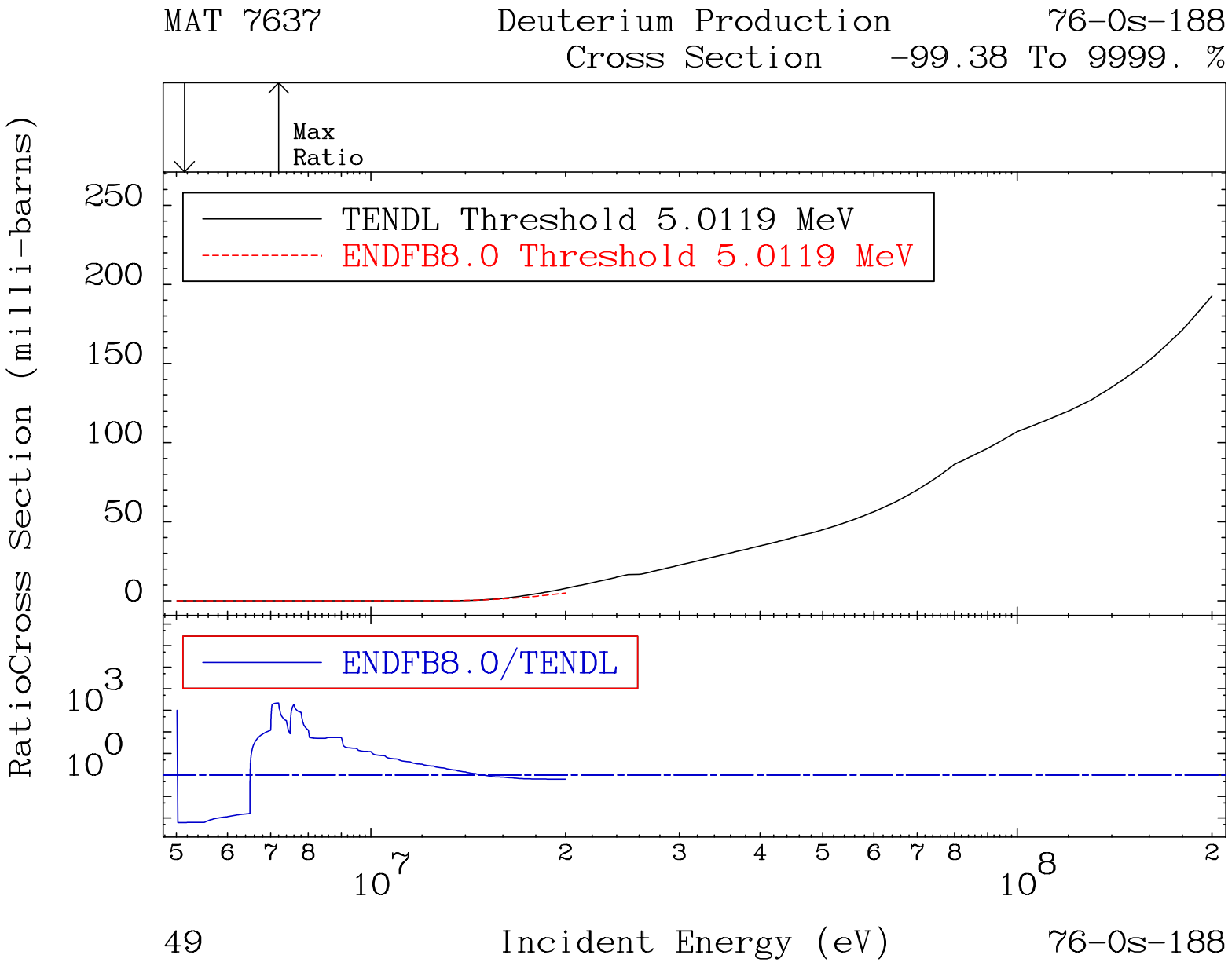

MAT 7637
(n,d)
76-0s-188
Cross Section
-99.38 To 9999. %
Max
Ratio
TENDL Threshold 5.0119 MeV
ENDFB8.0 Threshold 5.0119 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^3
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
76-0s-188

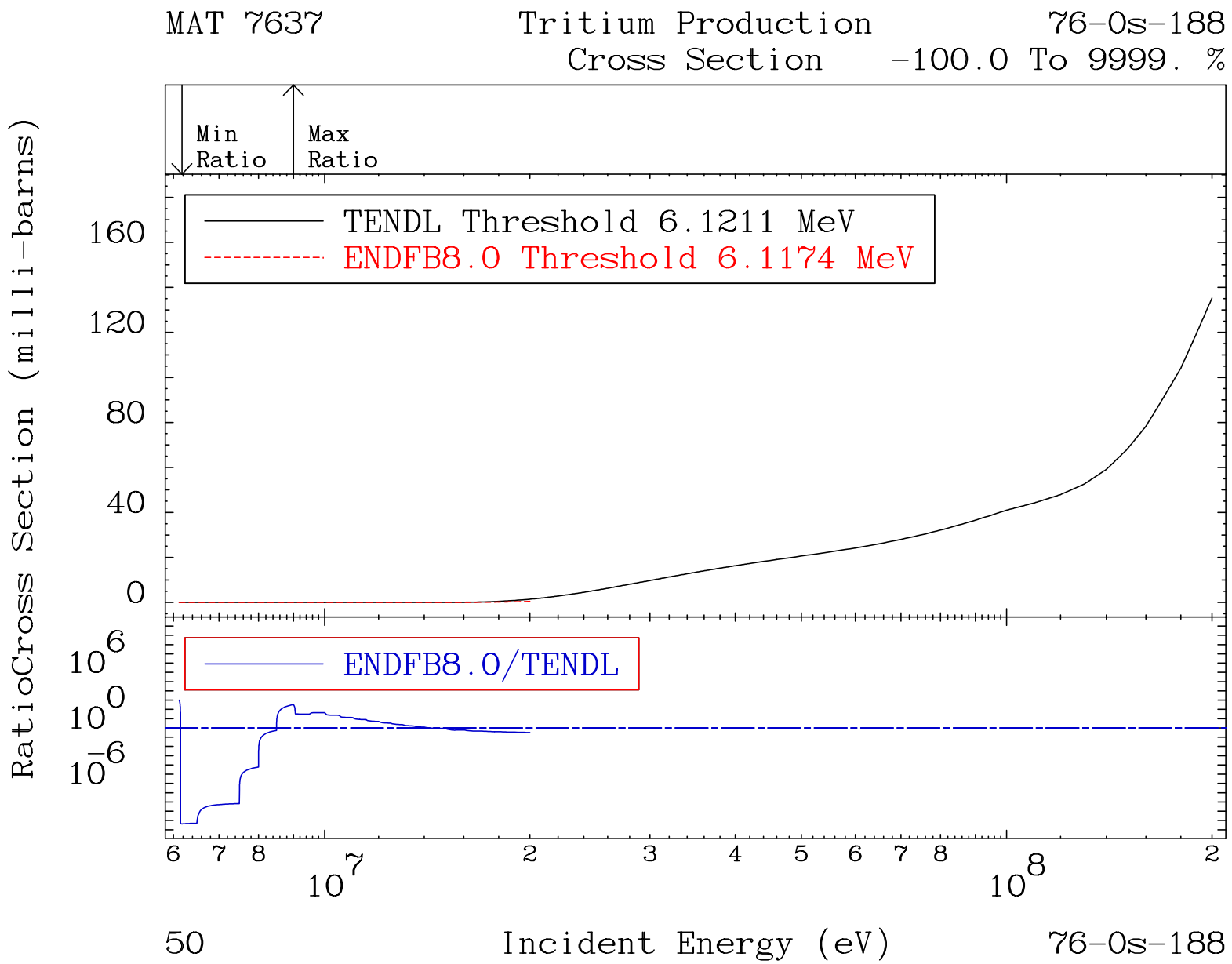

MAT 7637
(n,t)
76-0s-188
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.1211 MeV
ENDFB8.0 Threshold 6.1174 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
76-0s-188

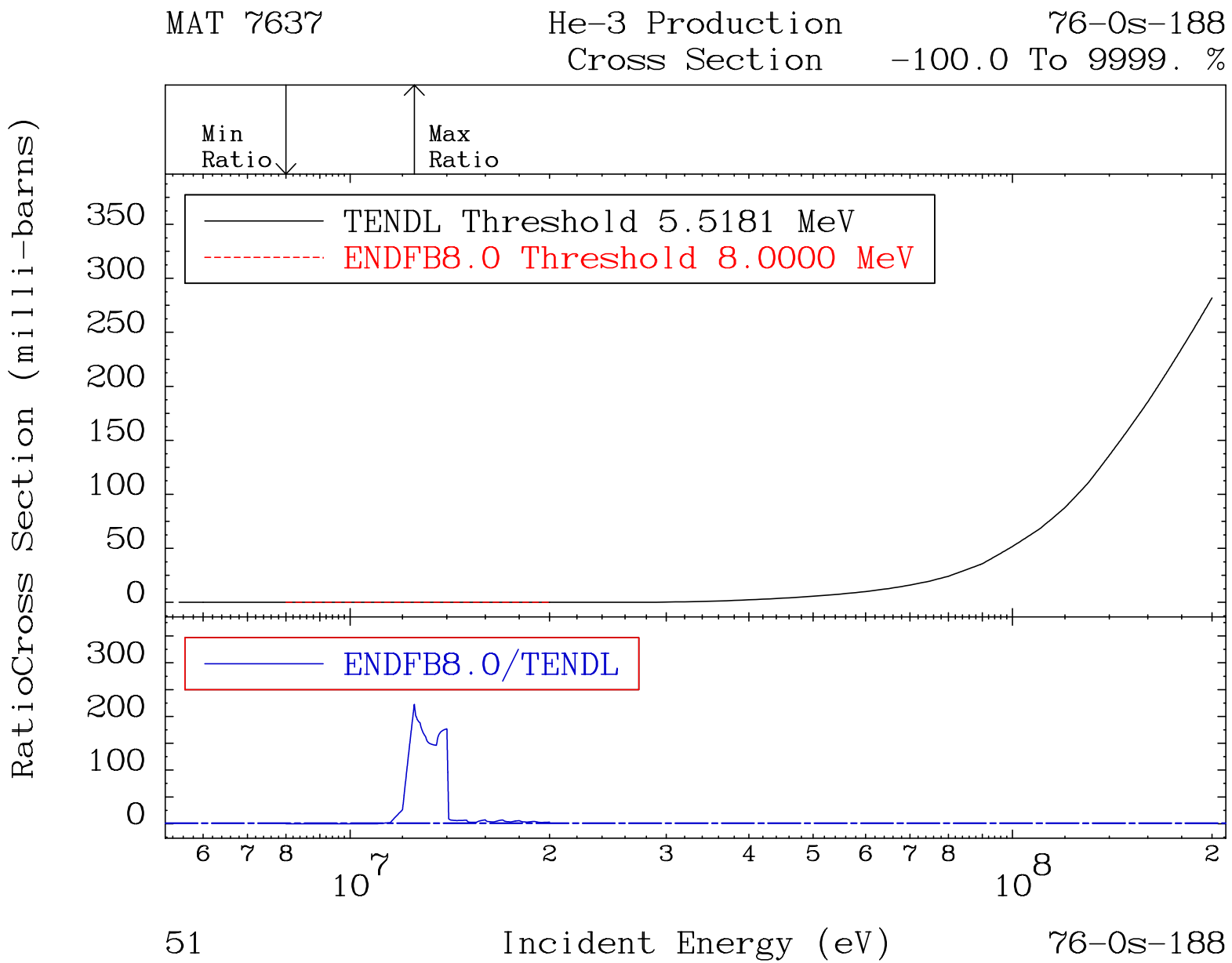

MAT 7637
(n,He-3)
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5181 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
76-0s-188

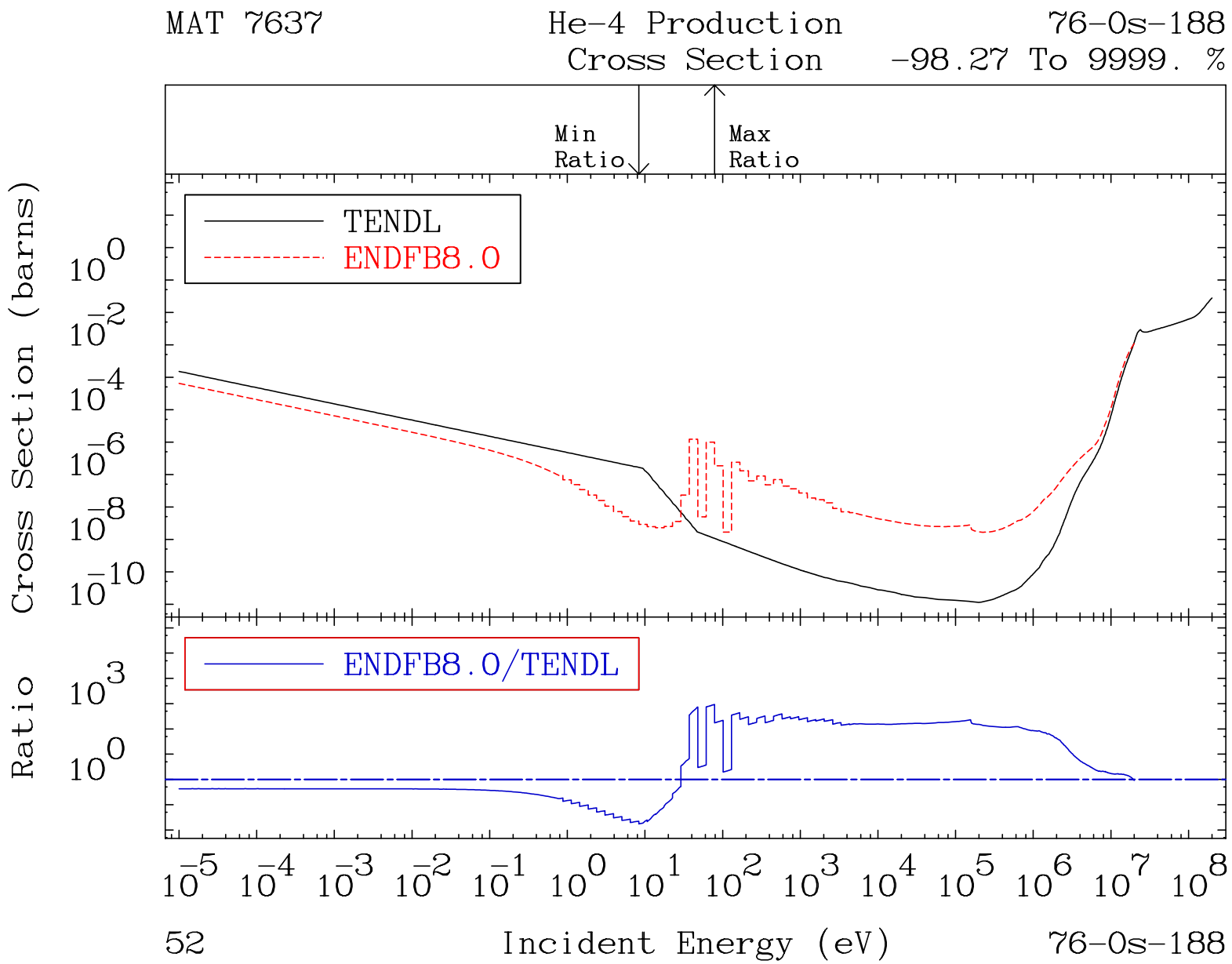

MAT 7637
(n,α)
76-0s-188
Cross Section
-98.27 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
76-0s-188

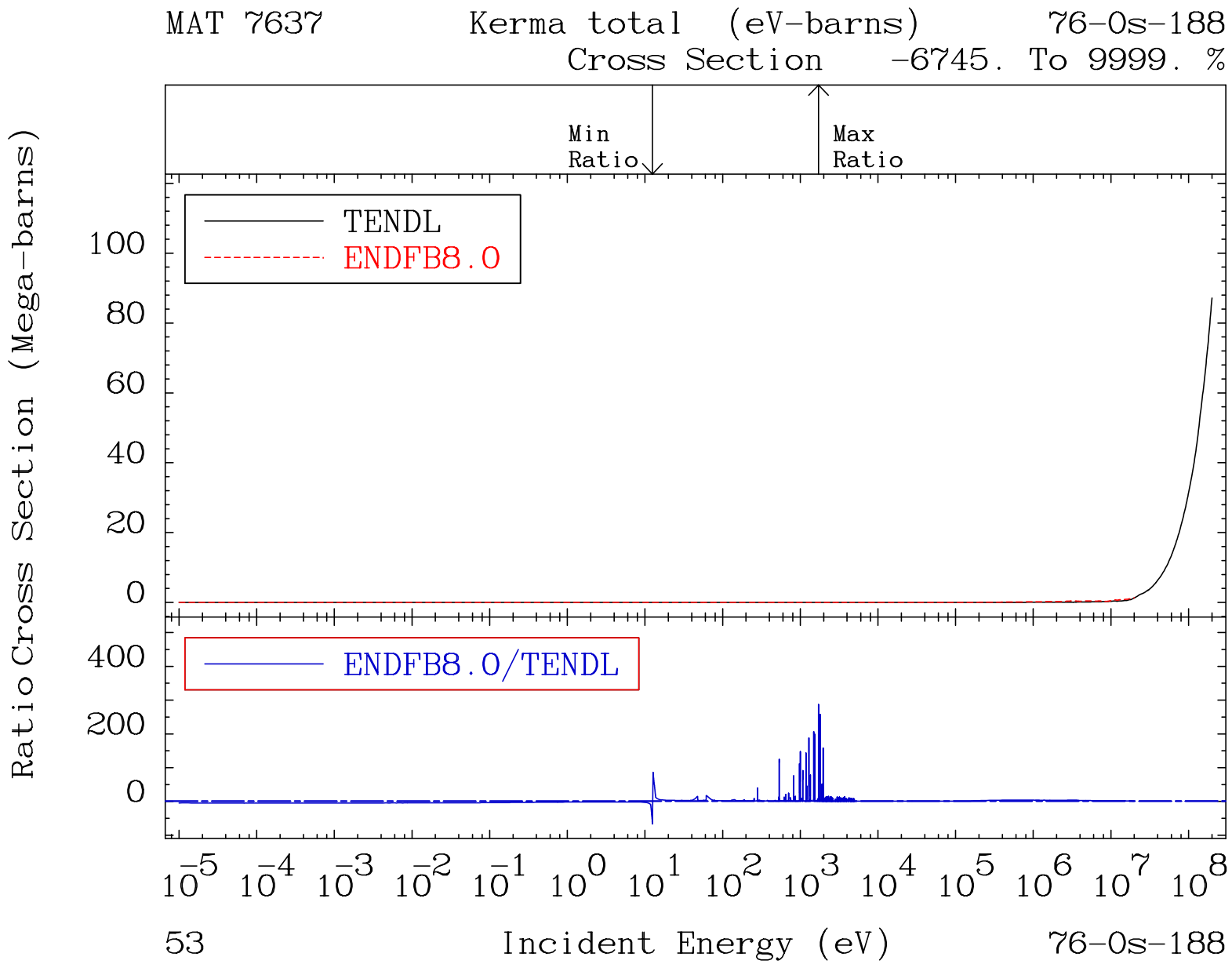

MAT 7637
Hydrogen Production
76-0s-188
Cross Section -100.0 To 513.8 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 1.3451 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
76-0s-188

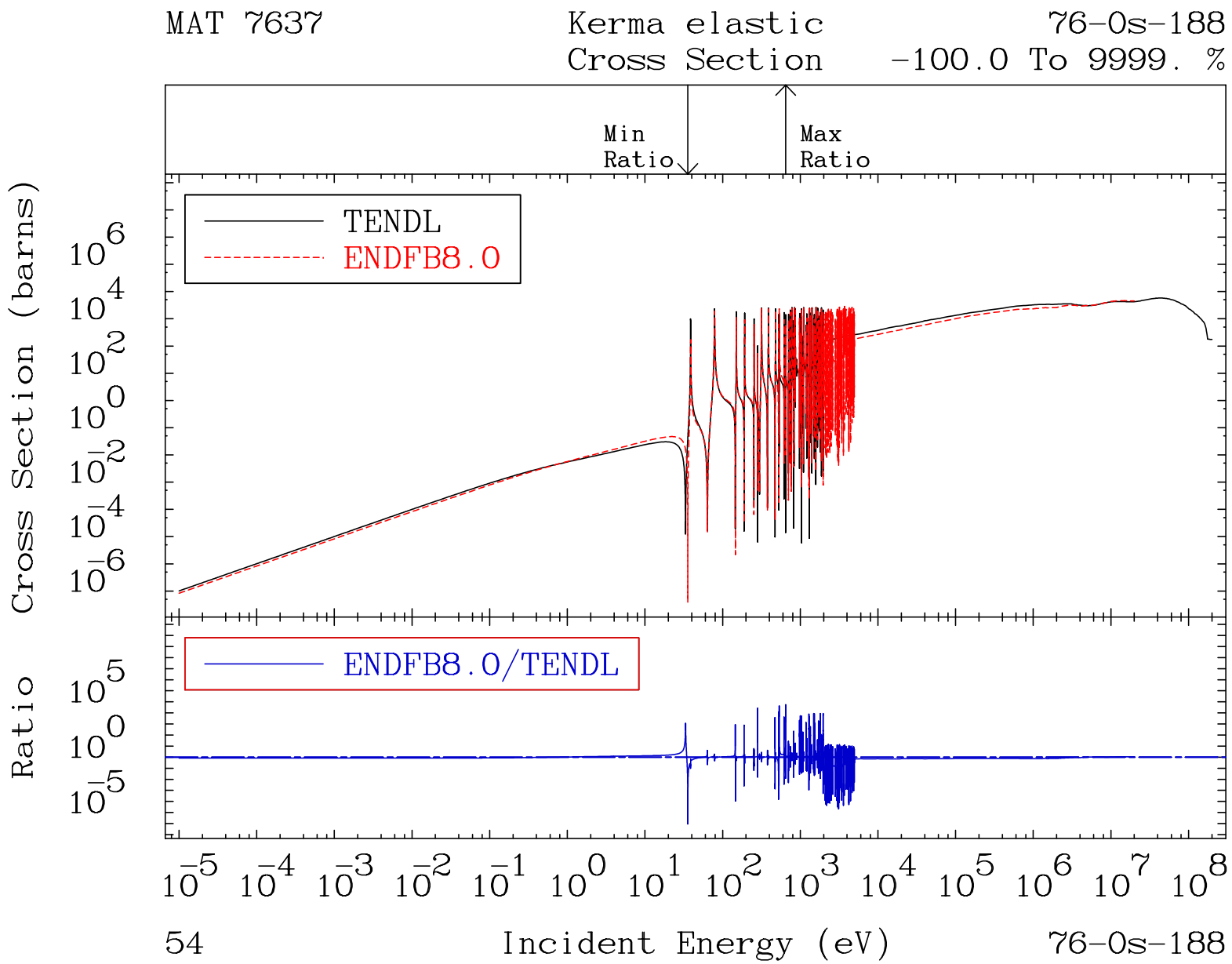

MAT 7637
Deuterium Production
76-0s-188
Cross Section -99.38 To 9999. %
Max
Ratio
TENDL Threshold 5.0119 MeV
ENDFB8.0 Threshold 5.0119 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^3
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
76-0s-188

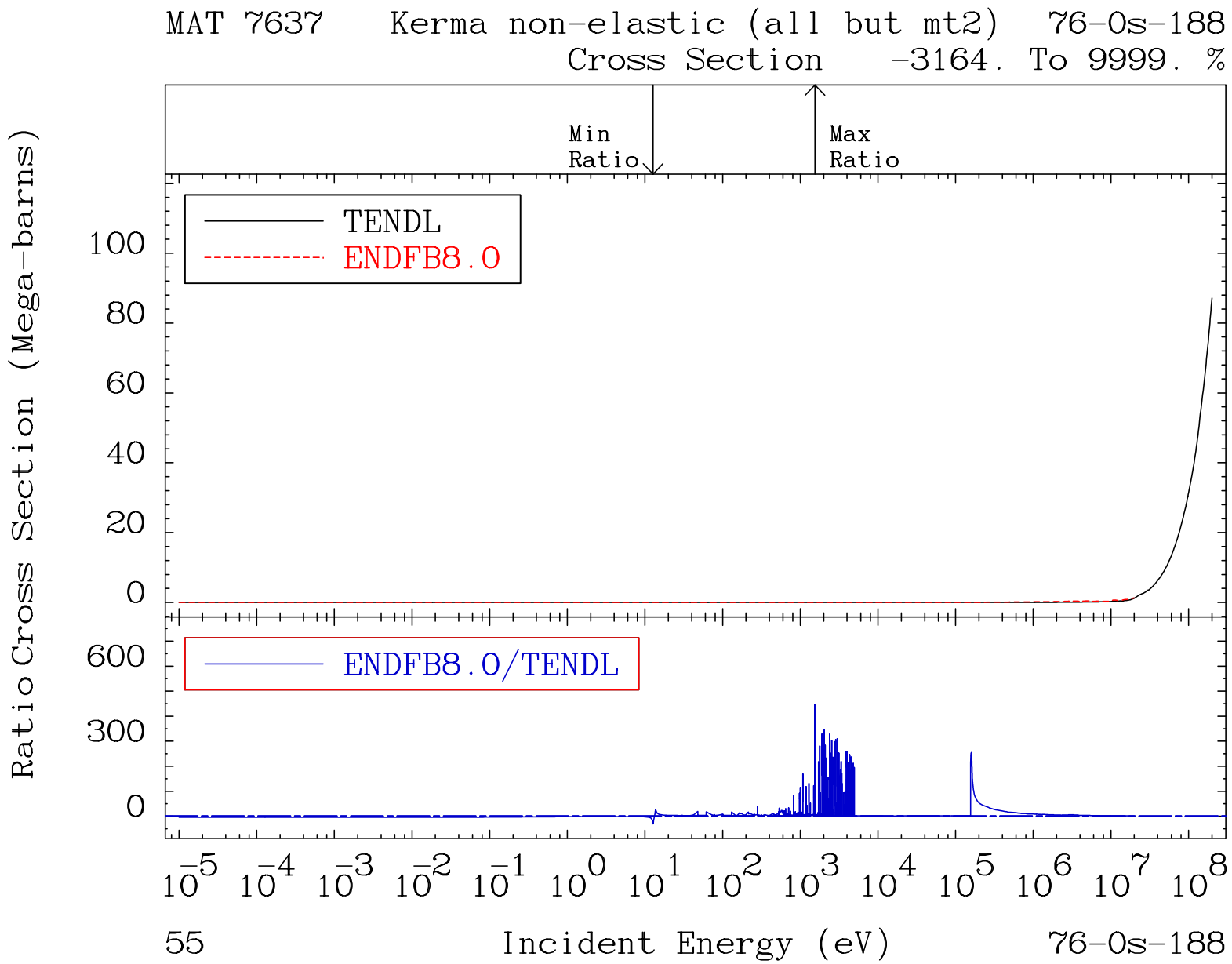

MAT 7637
Tritium Production
76-0s-188
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.1211 MeV
ENDFB8.0 Threshold 6.1174 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^6
10^0
10^-6
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
76-0s-188

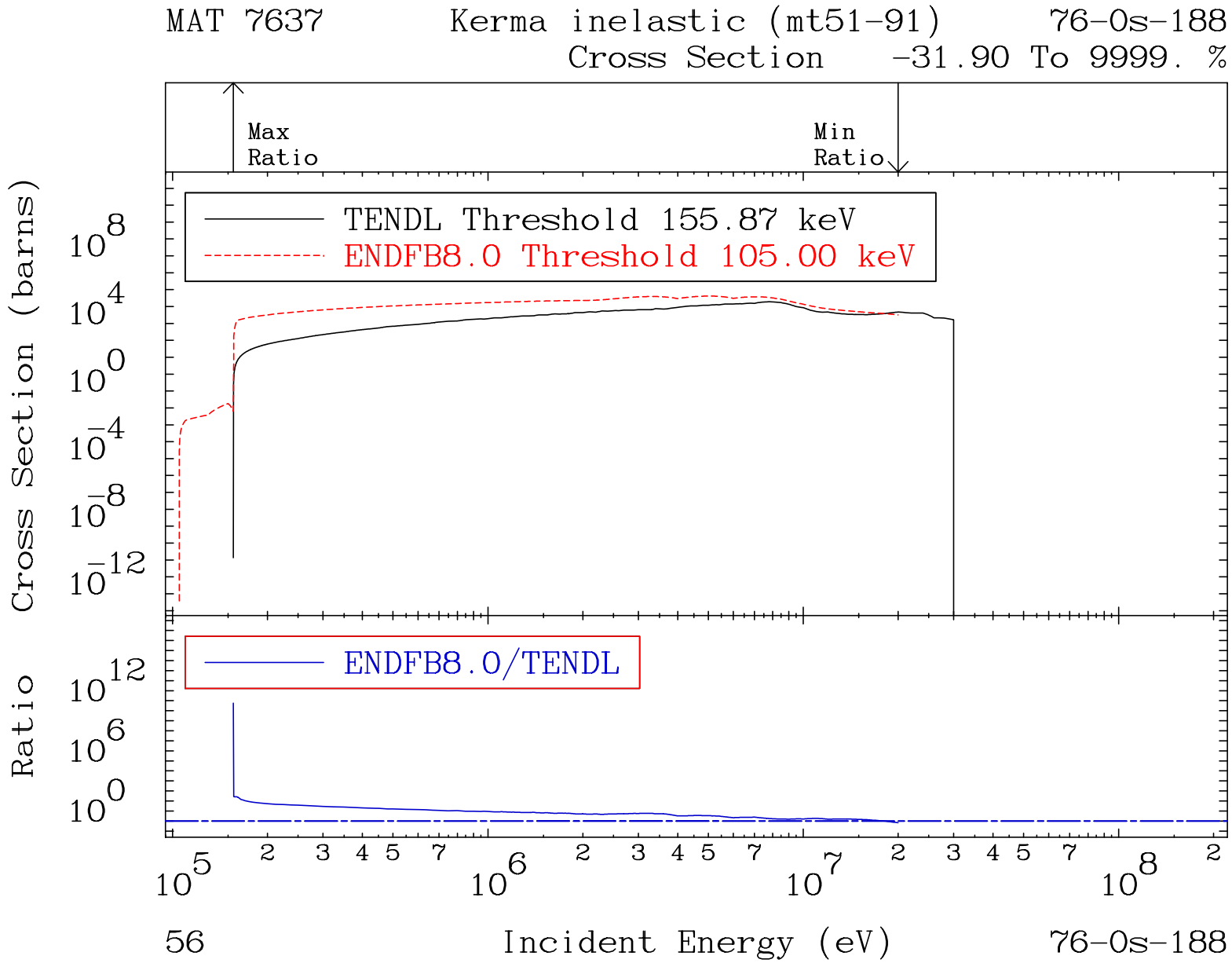

MAT 7637
He-3 Production
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5181 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
300
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
76-0s-188

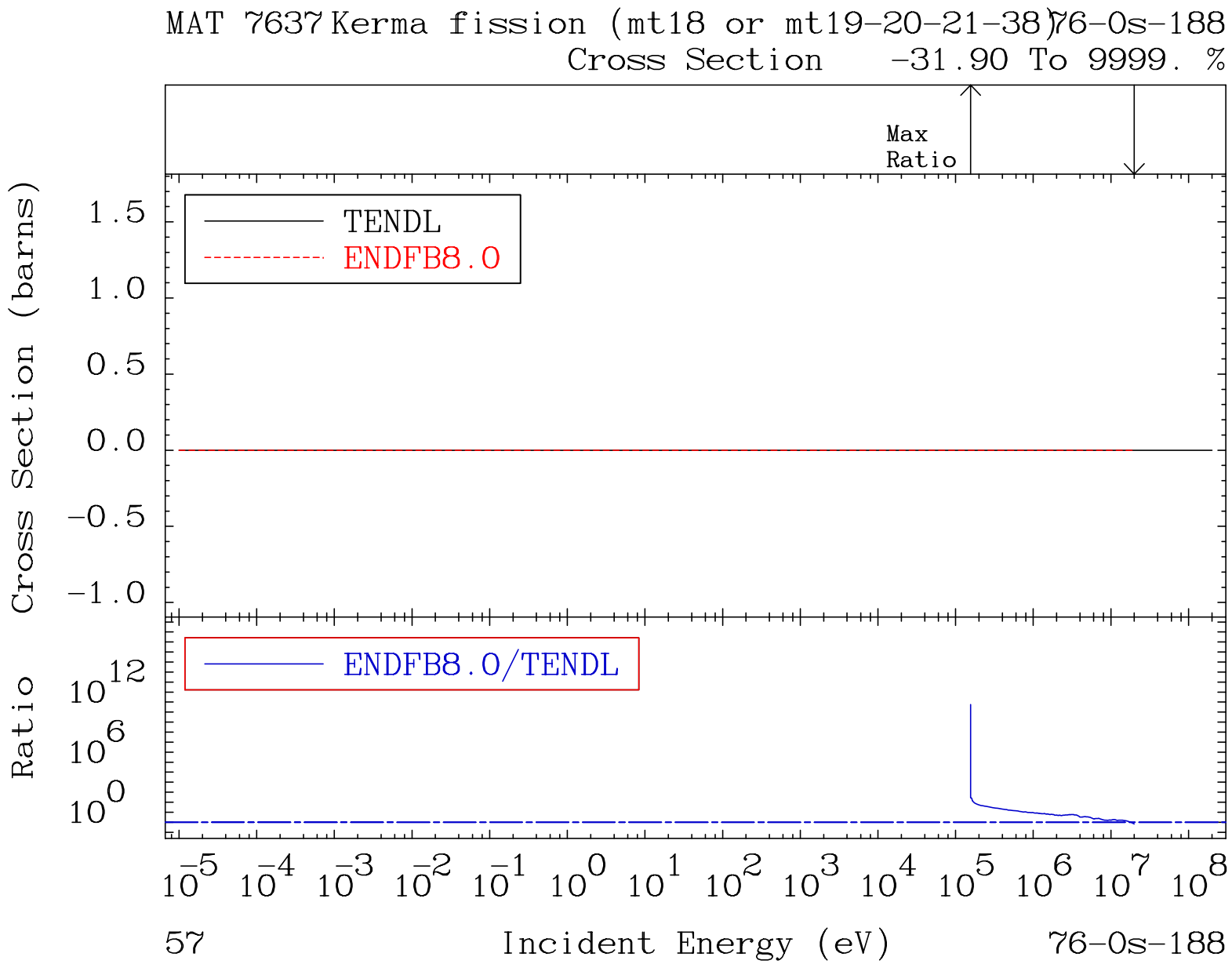

MAT 7637
He-4 Production
Cross Section
76-0s-188
-98.27 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
76-0s-188

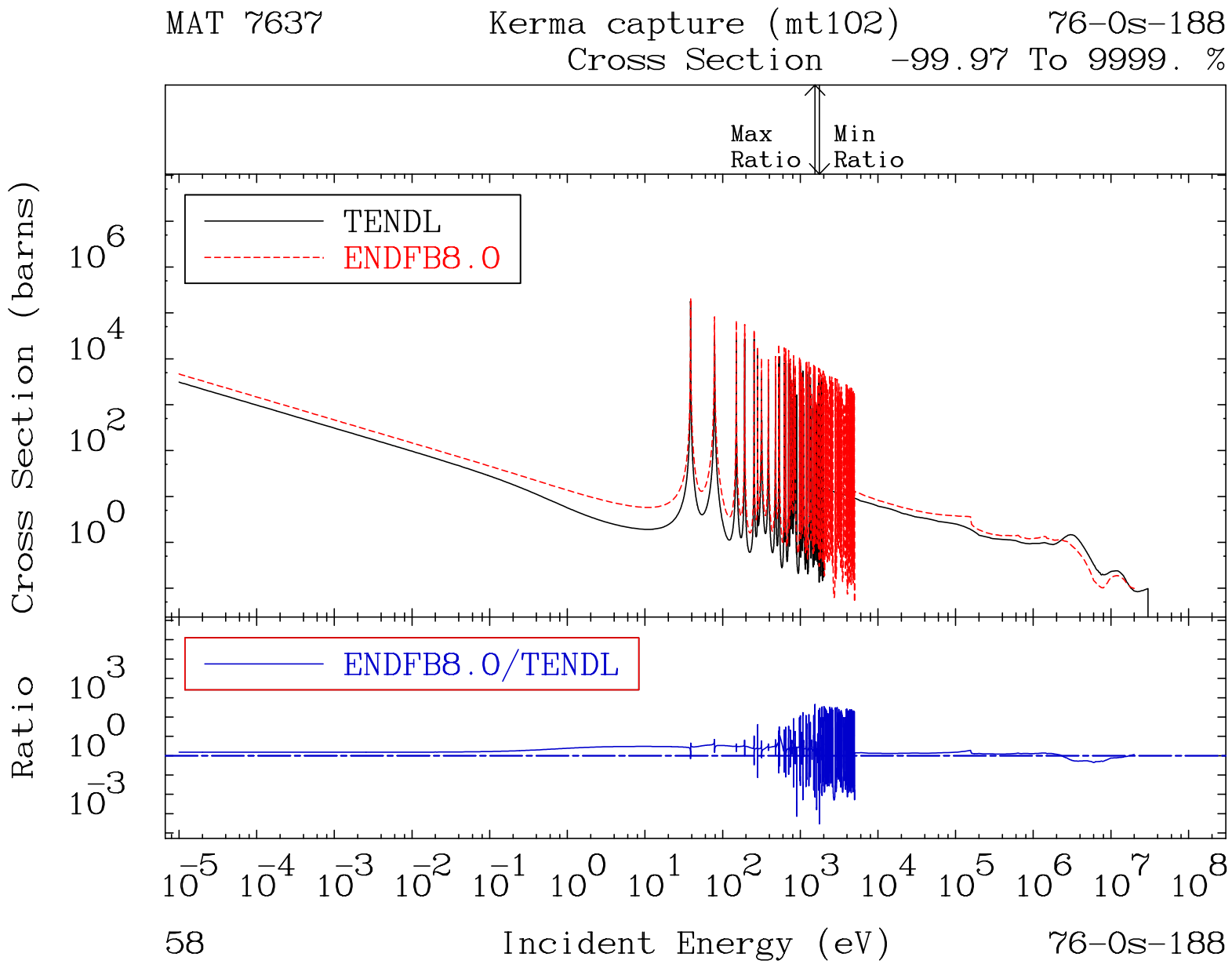

MAT 7637
Kerma total (eV-barns)
76-0s-188
Cross Section -6745. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Ratio Cross Section (Mega-barns)
100
80
60
40
20
0
400
200
0
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
53
Incident Energy (eV)
76-0s-188

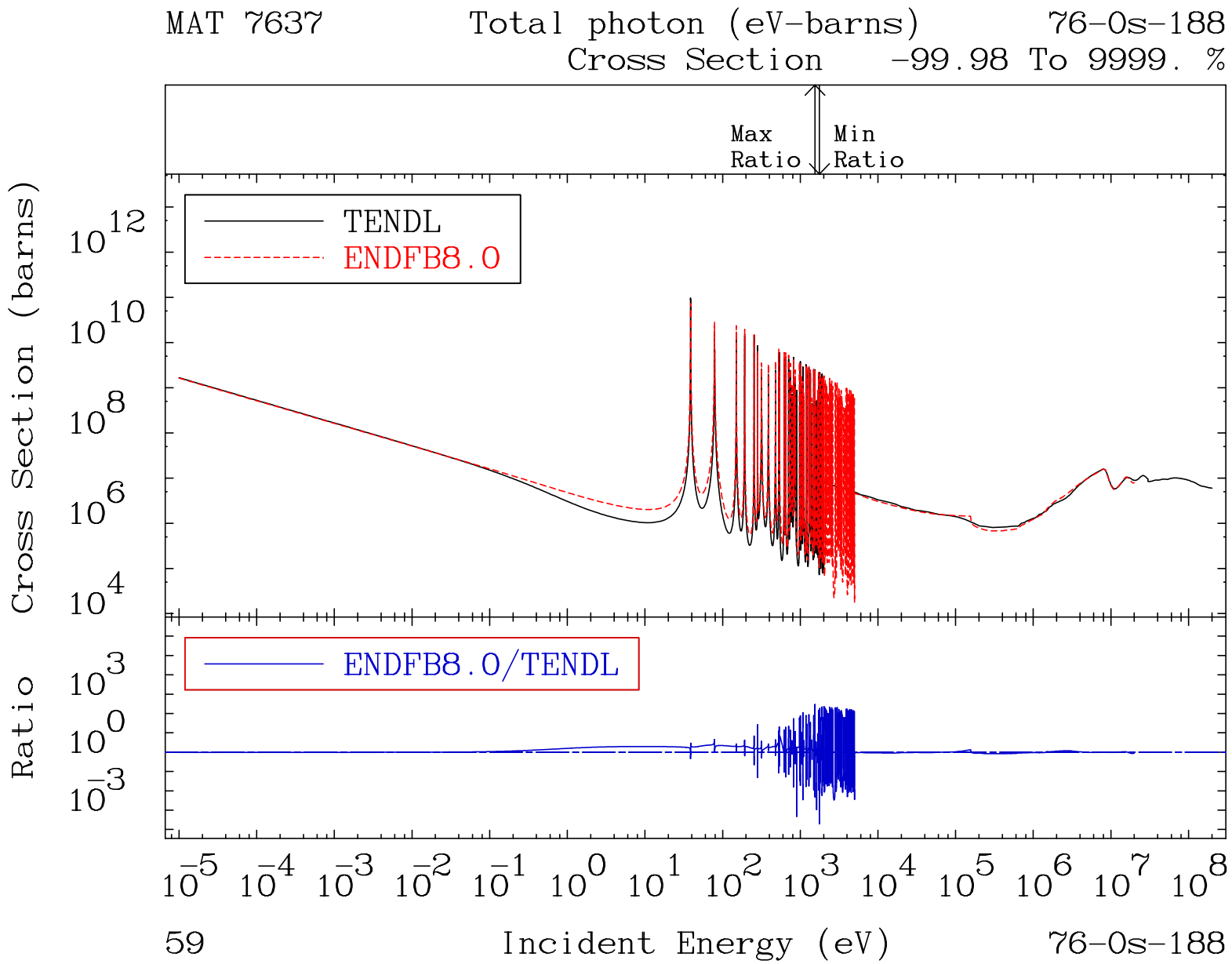

MAT 7637
Kerma elastic
Cross Section
76-0s-188
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
54
76-0s-188

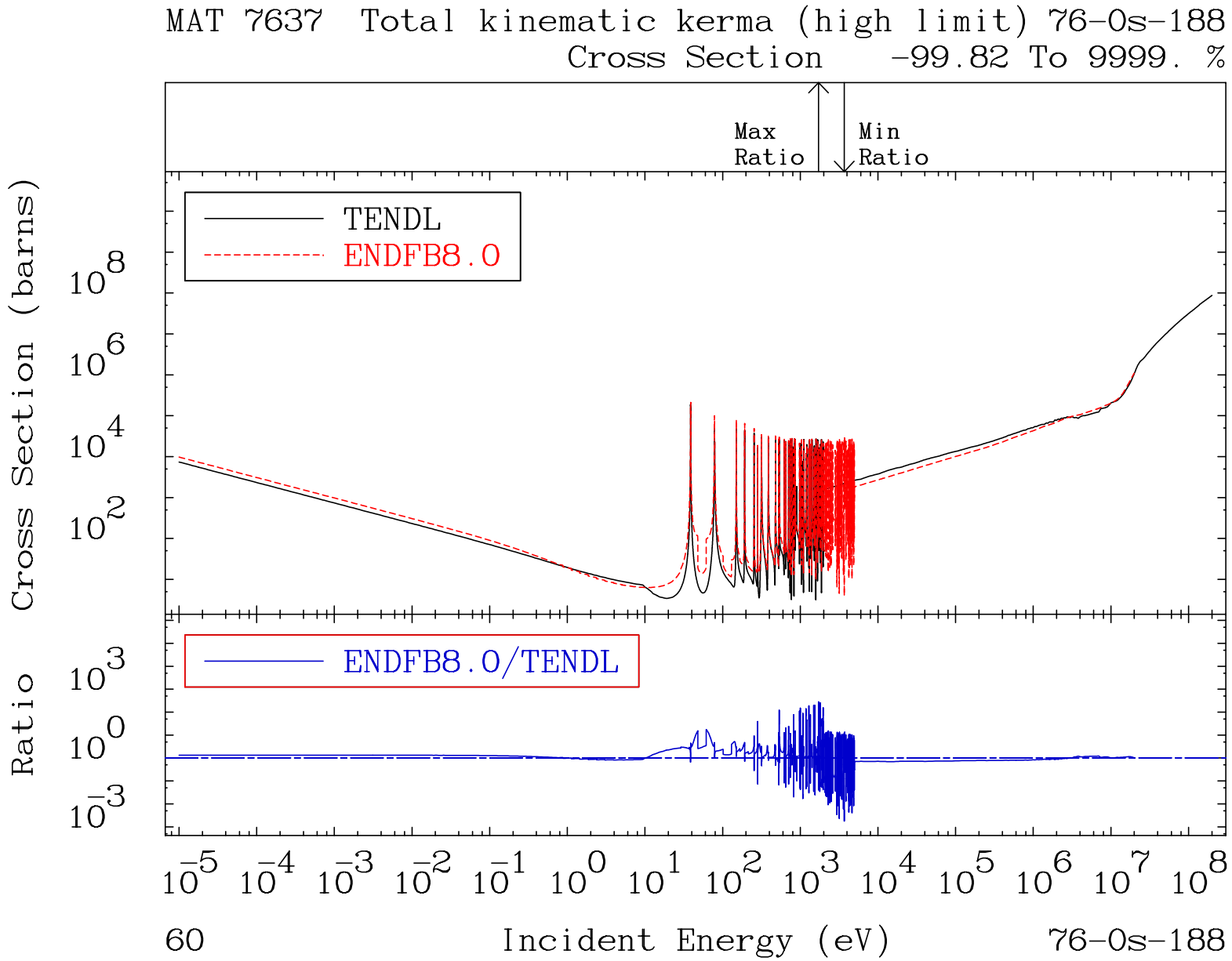

MAT 7637 Kerma non-elastic (all but mt2) 76-0s-188
Cross Section -3164. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Ratio Cross Section (Mega-barns)
100
80
60
40
20
0
600
300
0
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
55
Incident Energy (eV)
76-0s-188

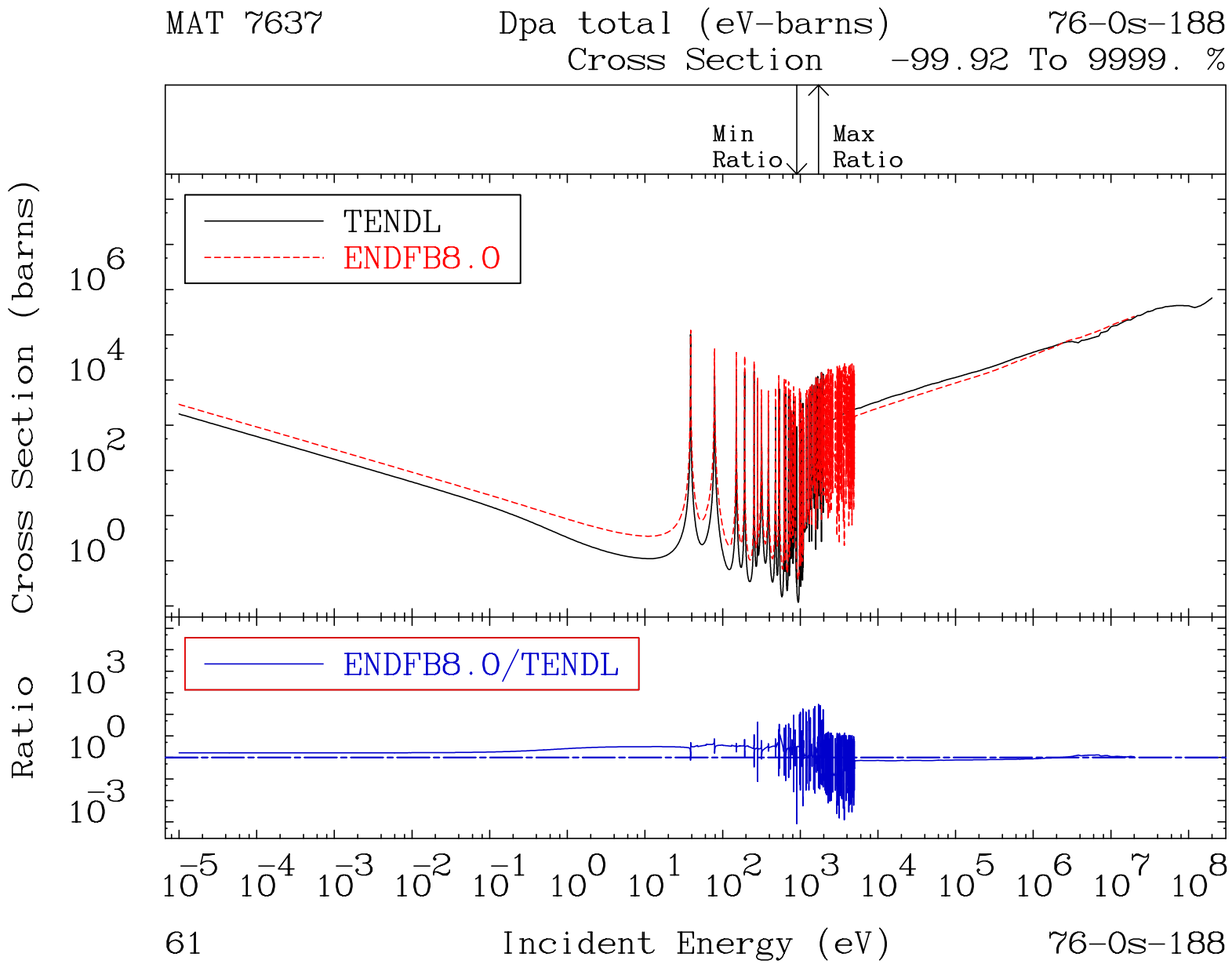

MAT 7637
Kerma inelastic (mt51-91)
76-0s-188
Cross Section -31.90 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 155.87 keV
ENDFB8.0 Threshold 105.00 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
56
76-0s-188

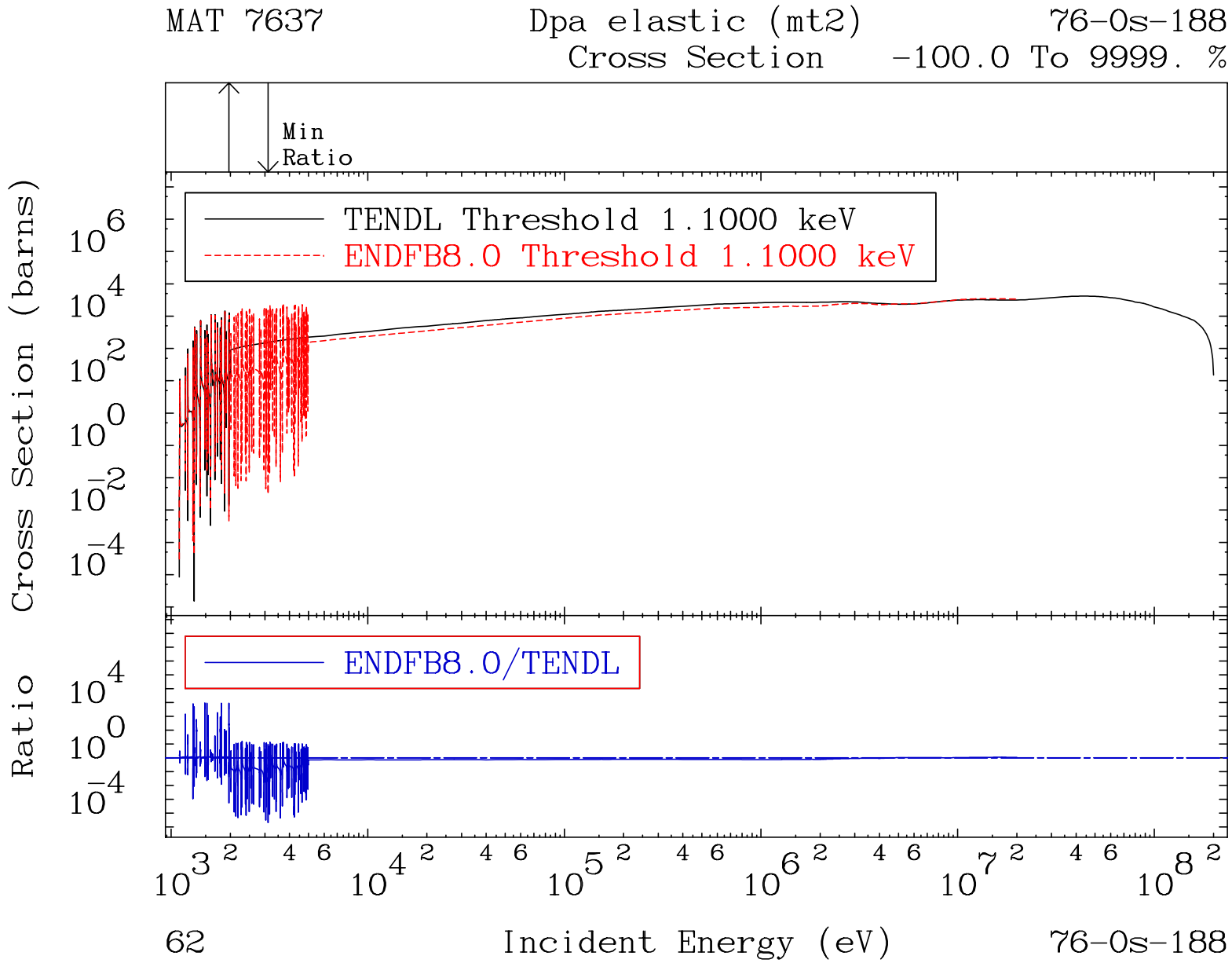

MAT 7637 Kerma fission (mt18 or mt19-20-21-38) 76-0s-188
Cross Section -31.90 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
$10^{12}$
$10^{6}$
$10^{0}$
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
57
Incident Energy (eV)
76-0s-188

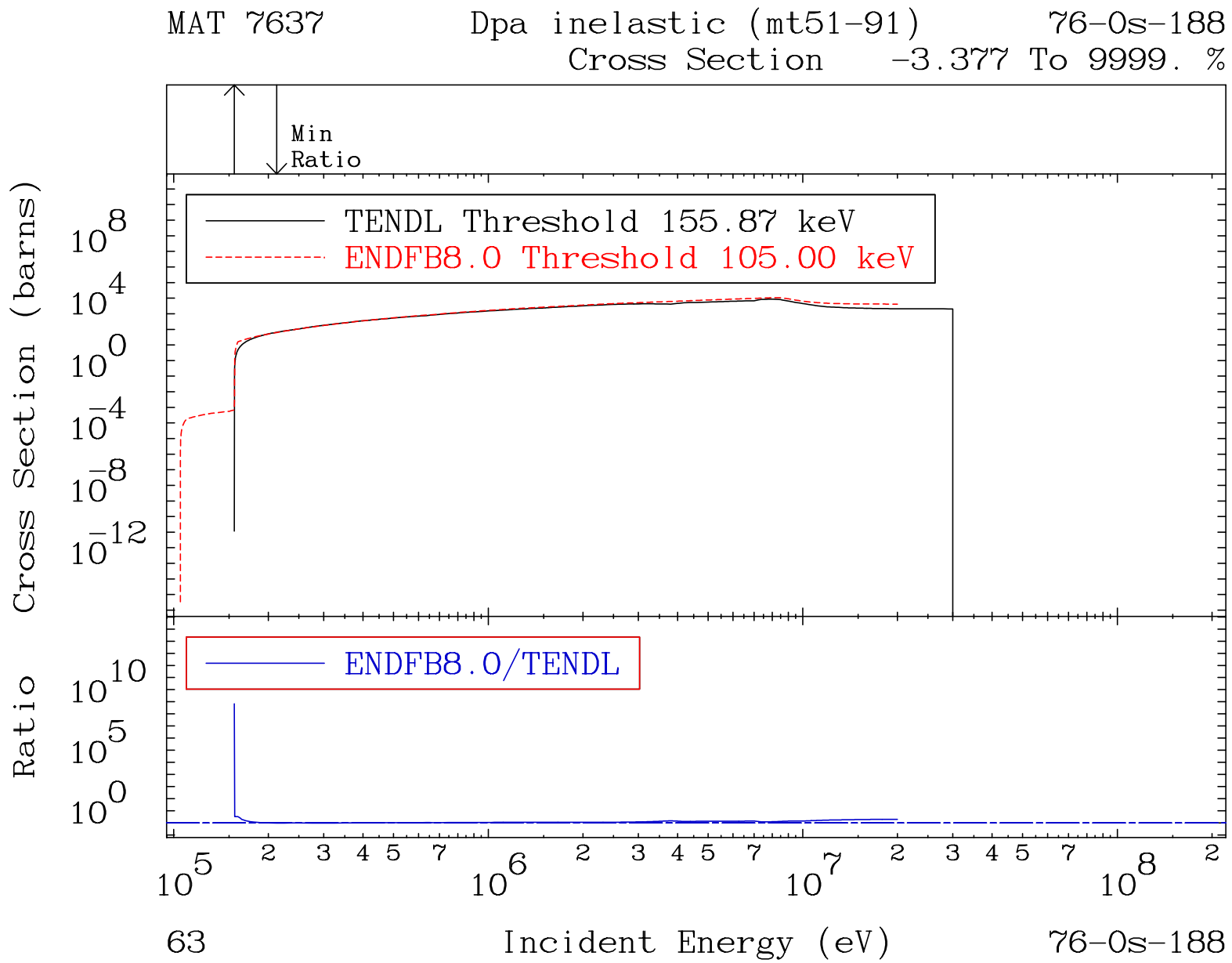

MAT 7637
Kerma capture (mt102)
76-0s-188
Cross Section -99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
58
76-0s-188

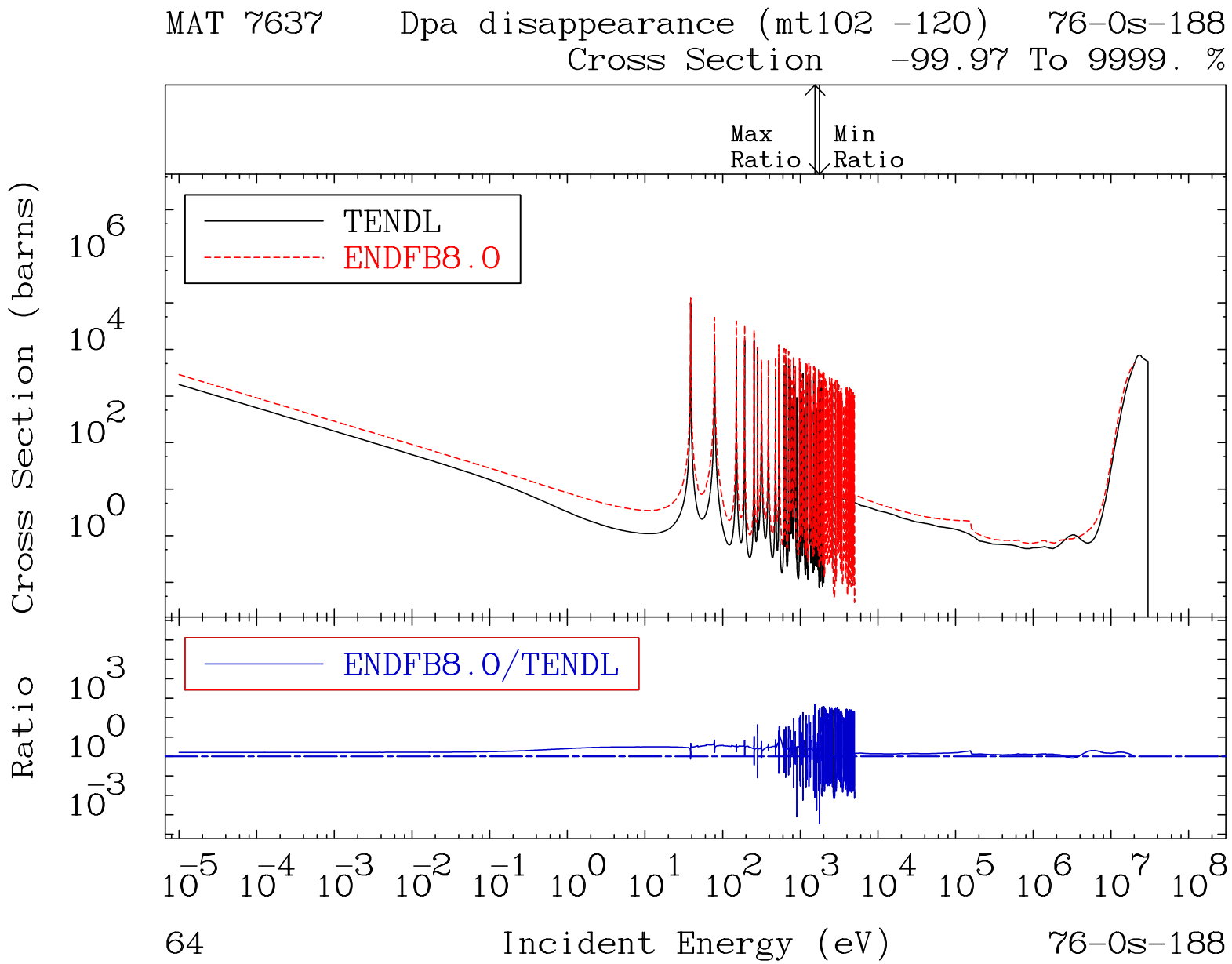

MAT 7637
Total photon (eV-barns)
76-0s-188
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
59
76-0s-188


MAT 7637 Total kinematic kerma (high limit) 76-0s-188
Cross Section -99.82 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
76-0s-188


MAT 7637
Dpa total (eV-barns)
76-0s-188
Cross Section -99.92 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
$10^{6}$
$10^{4}$
$10^{2}$
$10^{0}$
ENDFB8.0/TENDL
Ratio
$10^{3}$
$10^{0}$
$10^{-3}$
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
61
Incident Energy (eV)
76-0s-188


MAT 7637
Dpa elastic (mt2)
Cross Section
76-0s-188
-100.0 To 9999. %
Min
Ratio
TENDL Threshold 1.1000 keV
ENDFB8.0 Threshold 1.1000 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
62
76-0s-188


MAT 7637
Dpa inelastic (mt51-91)
76-0s-188
Cross Section -3.377 To 9999. %
Min
Ratio
TENDL Threshold 155.87 keV
ENDFB8.0 Threshold 105.00 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
63
76-0s-188


MAT 7637 Dpa disappearance (mt102 -120) 76-0s-188
Cross Section -99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
76-0s-188