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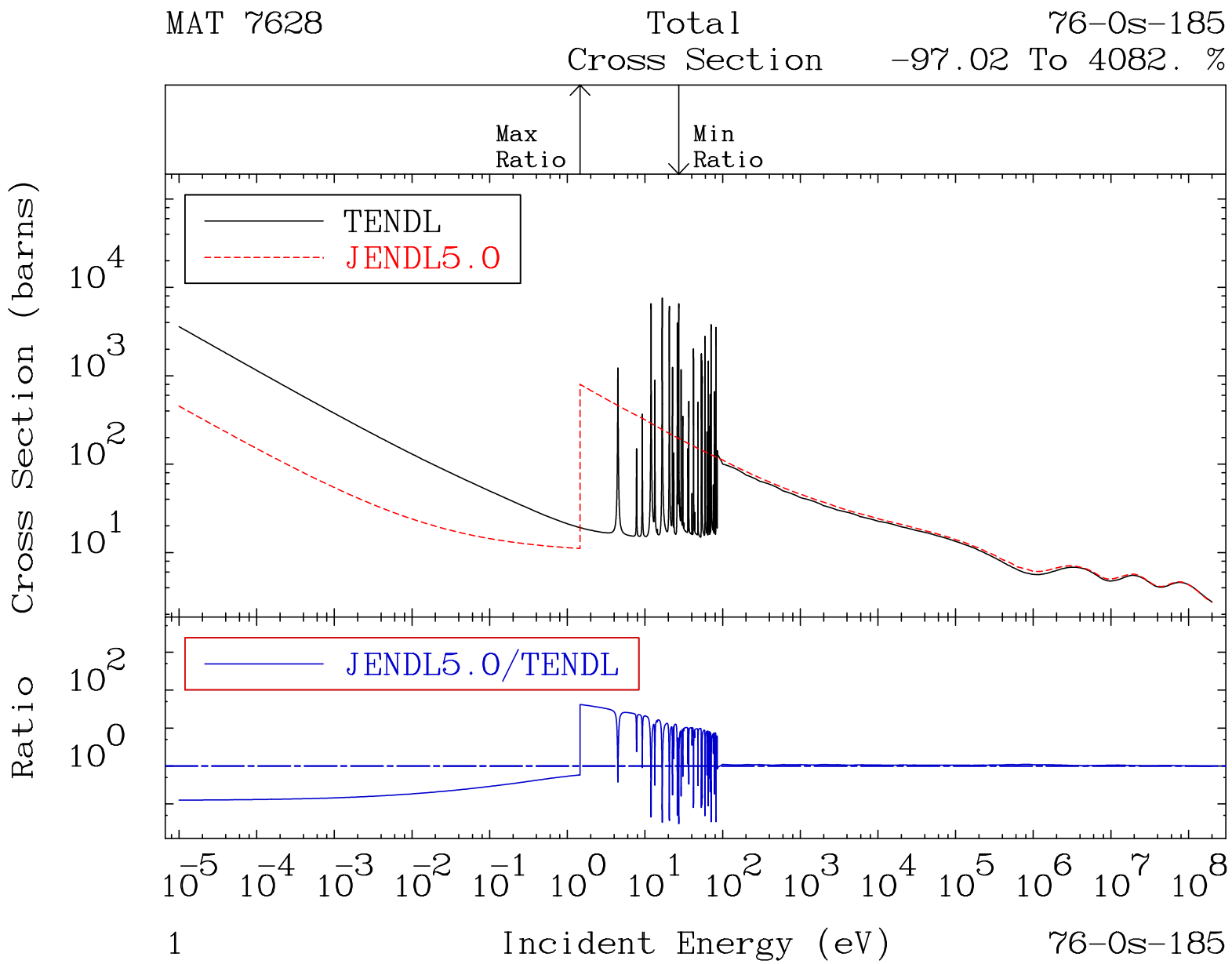
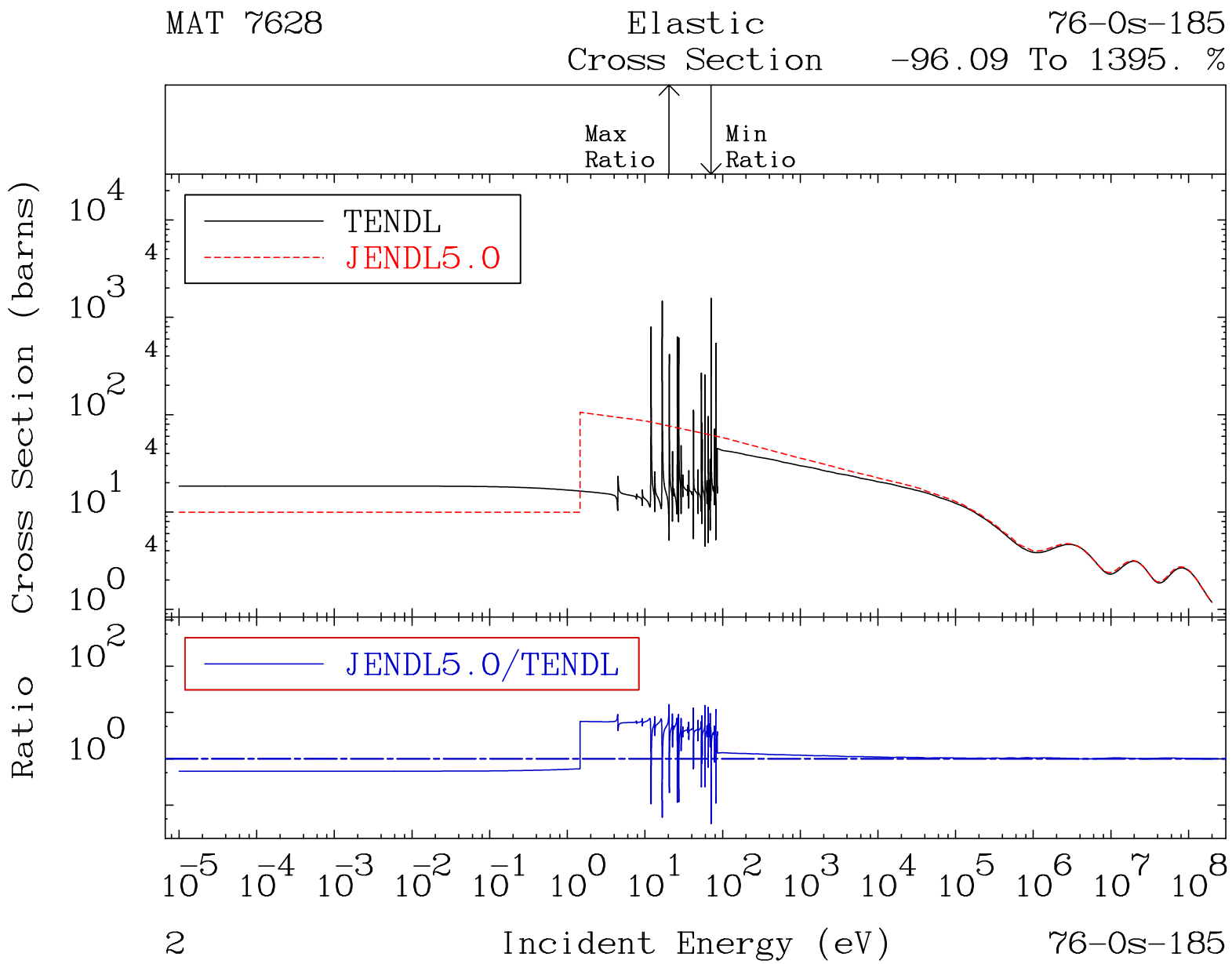
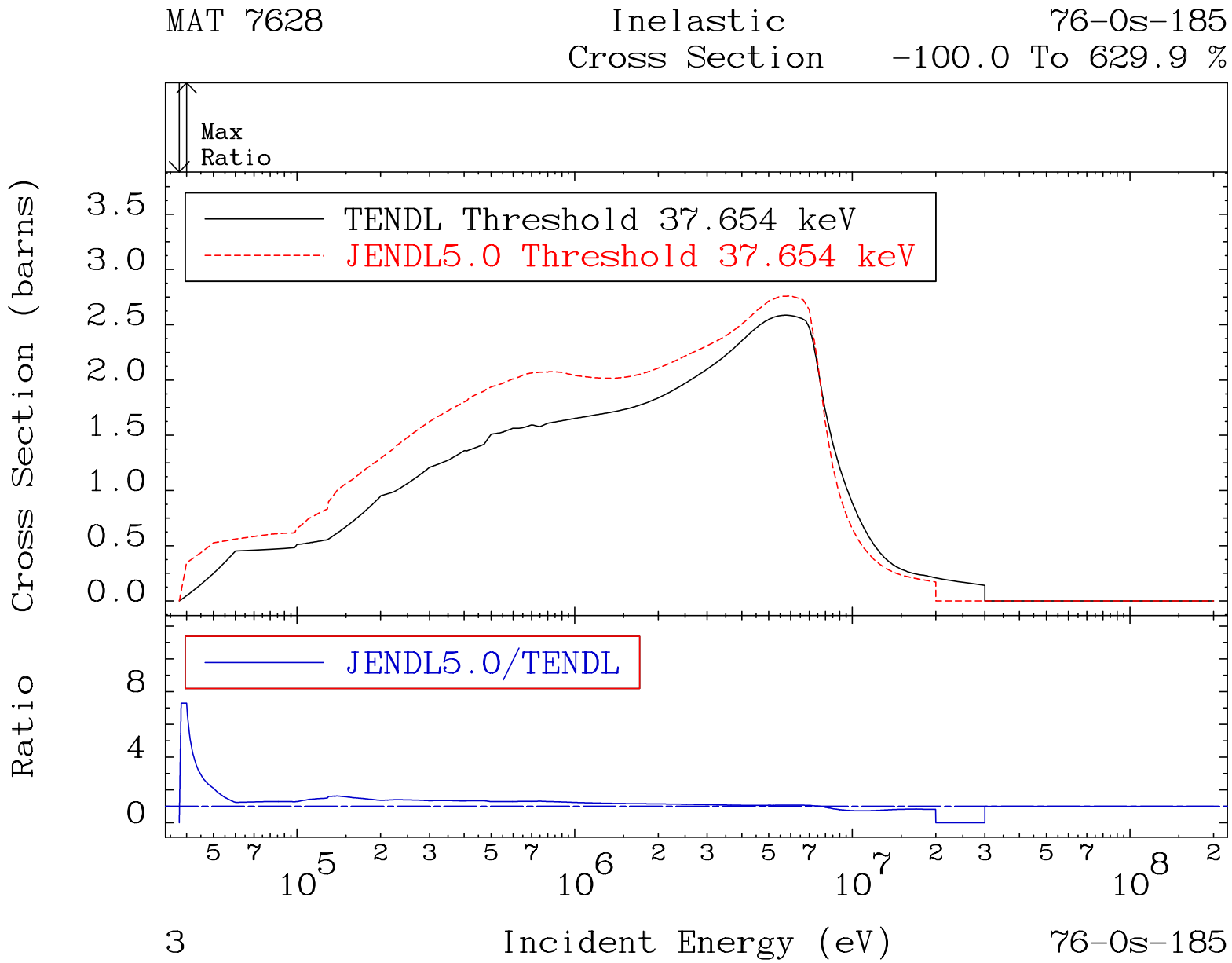
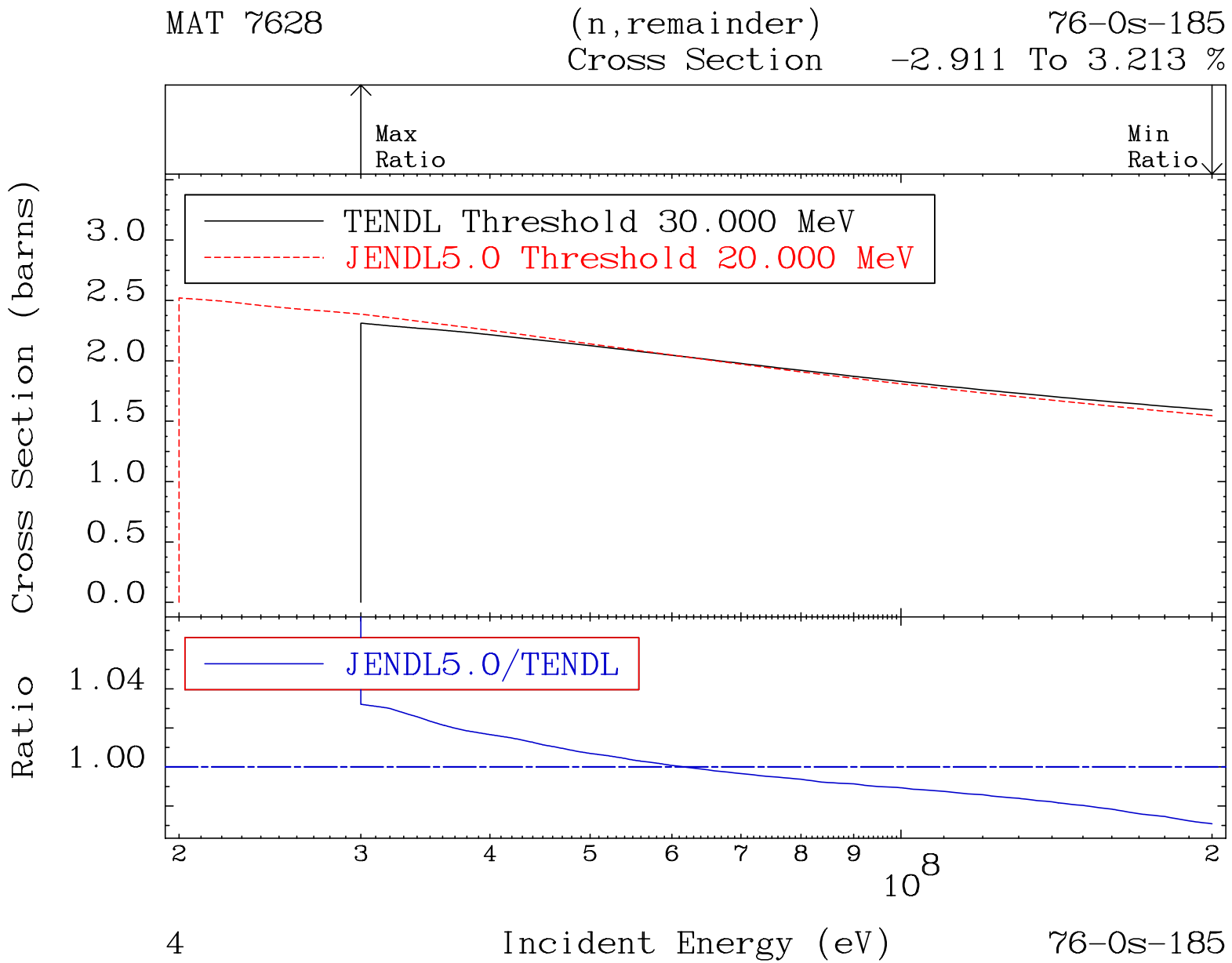
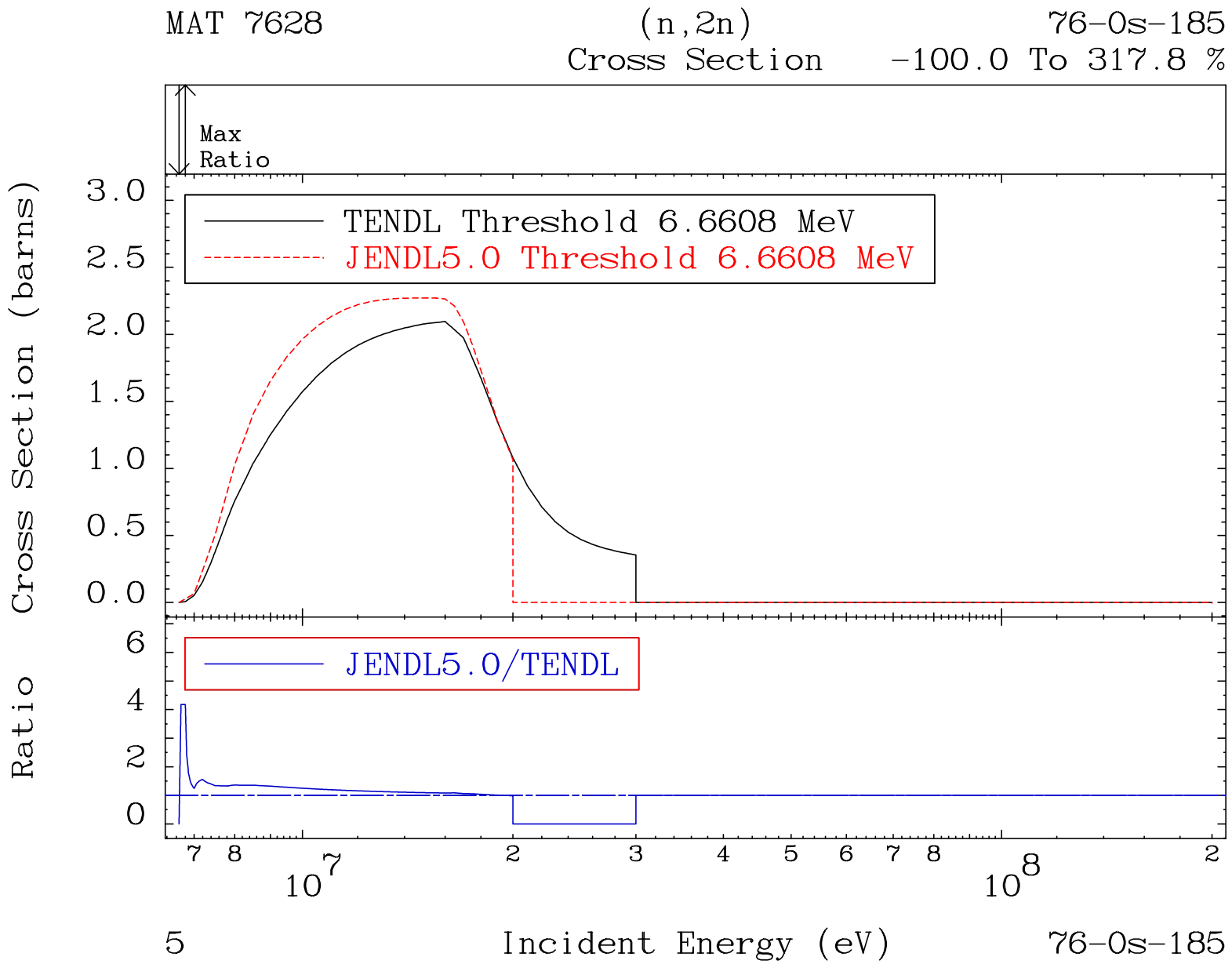
Press Mouse Button to Start

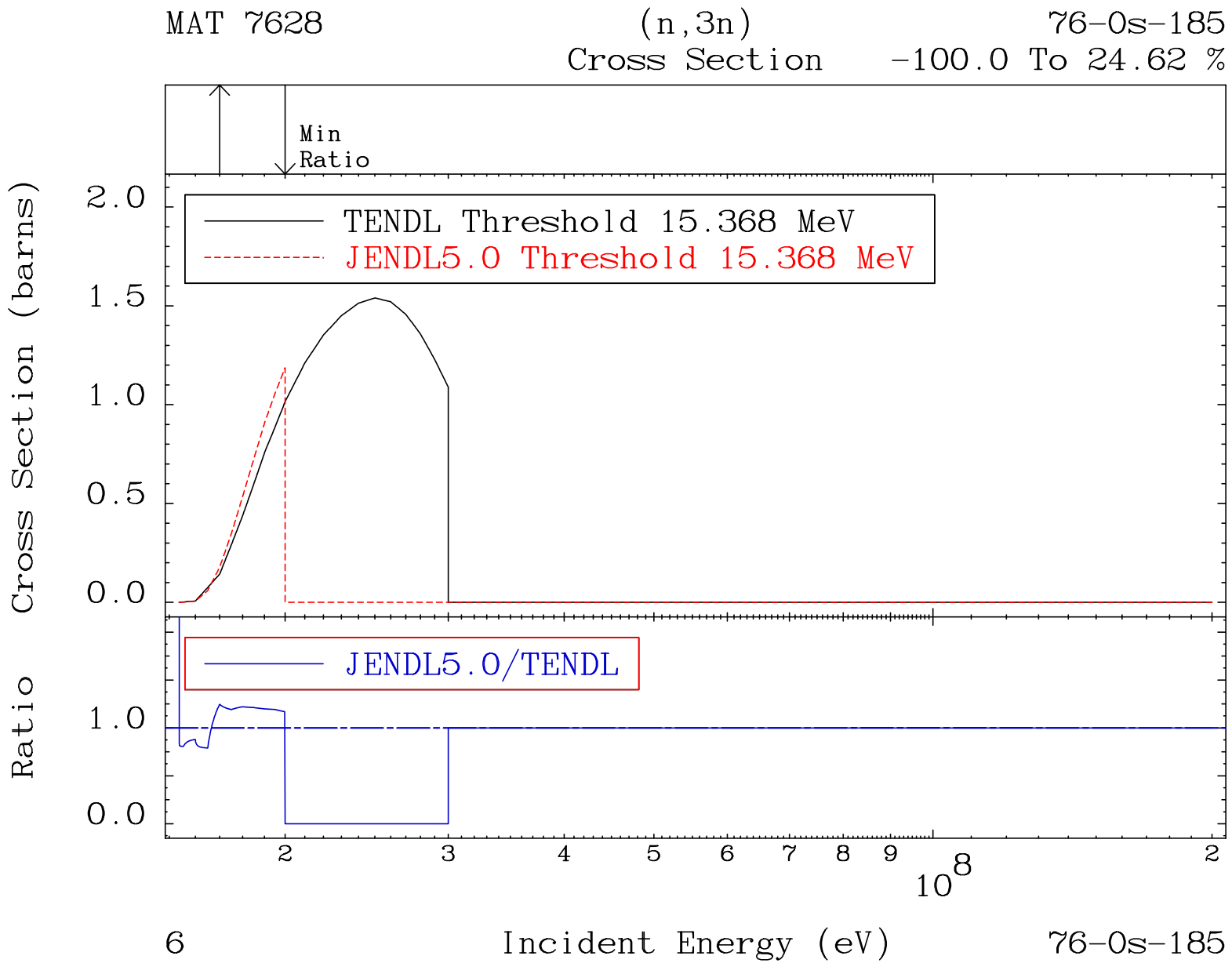

MAT 7628
Total
Cross Section
76-0s-185
-97.02 To 4082. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^3
10^2
10^1
JENDL5.0/TENDL
Ratio
10^2
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
1
Incident Energy (eV)
76-0s-185

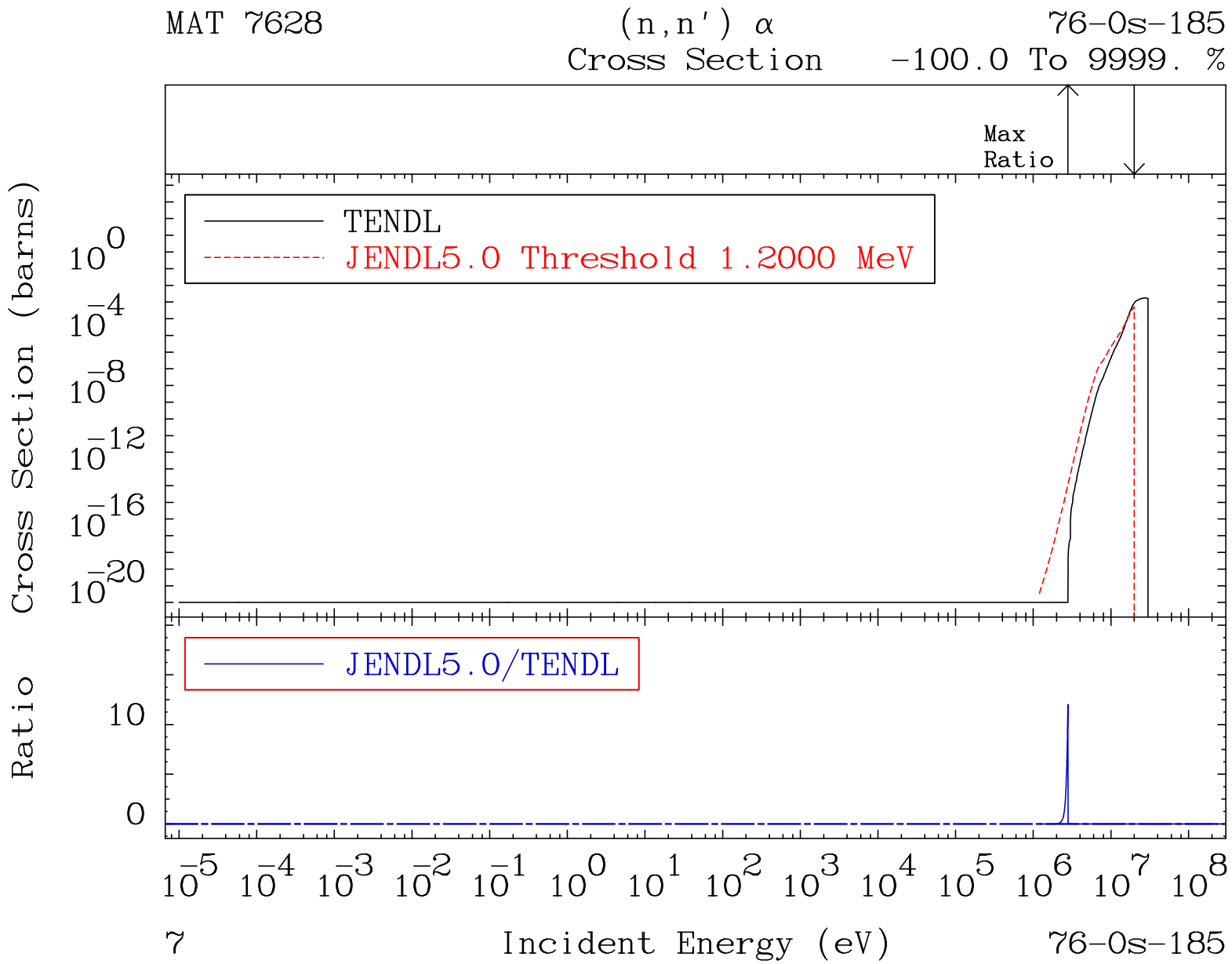

MAT 7628
Elastic
Cross Section
76-0s-185
-96.09 To 1395. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
76-0s-185

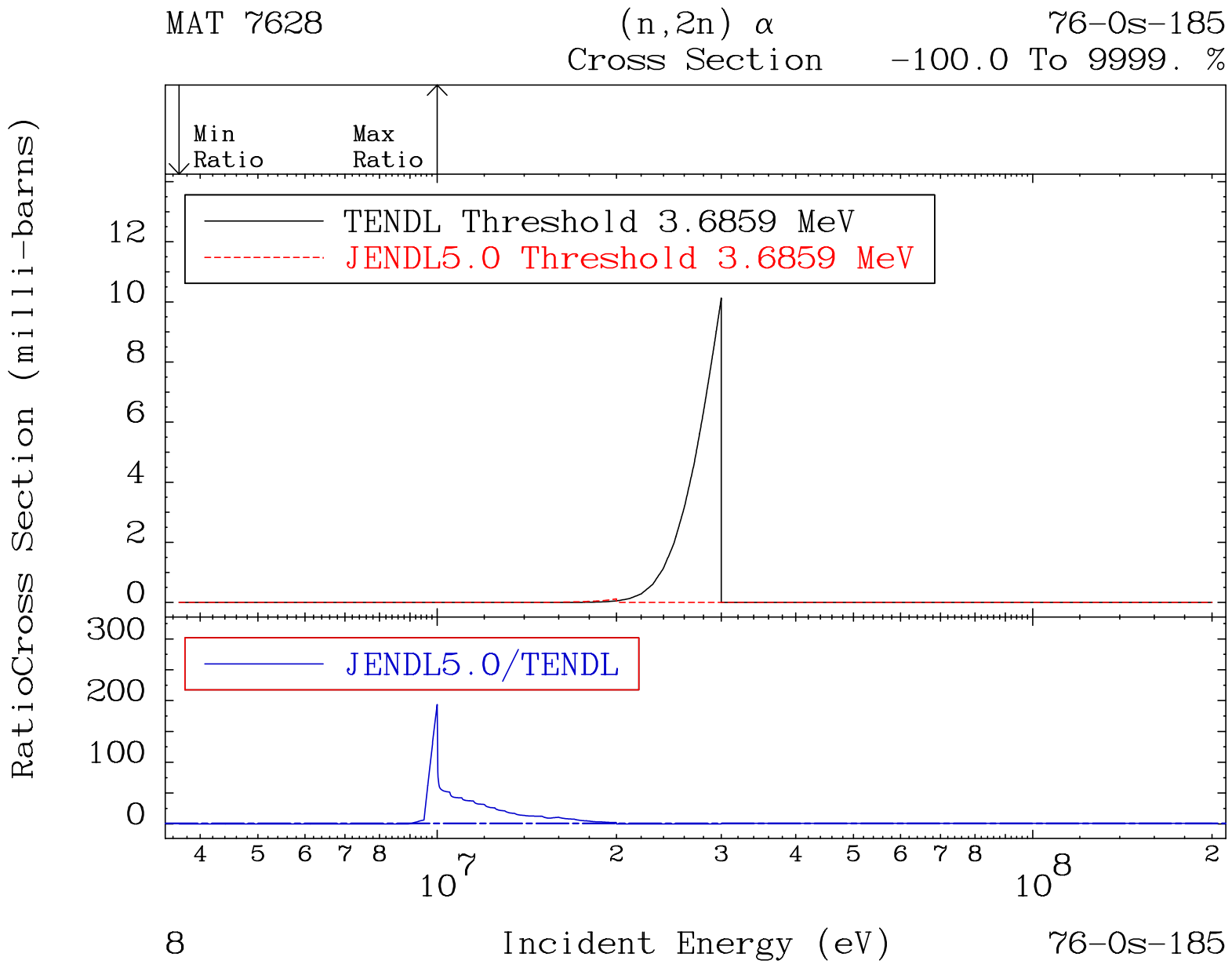

MAT 7628
Inelastic
Cross Section
76-0s-185
-100.0 To 629.9 %
Max
Ratio
TENDL Threshold 37.654 keV
JENDL5.0 Threshold 37.654 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
Incident Energy (eV)
3
76-0s-185

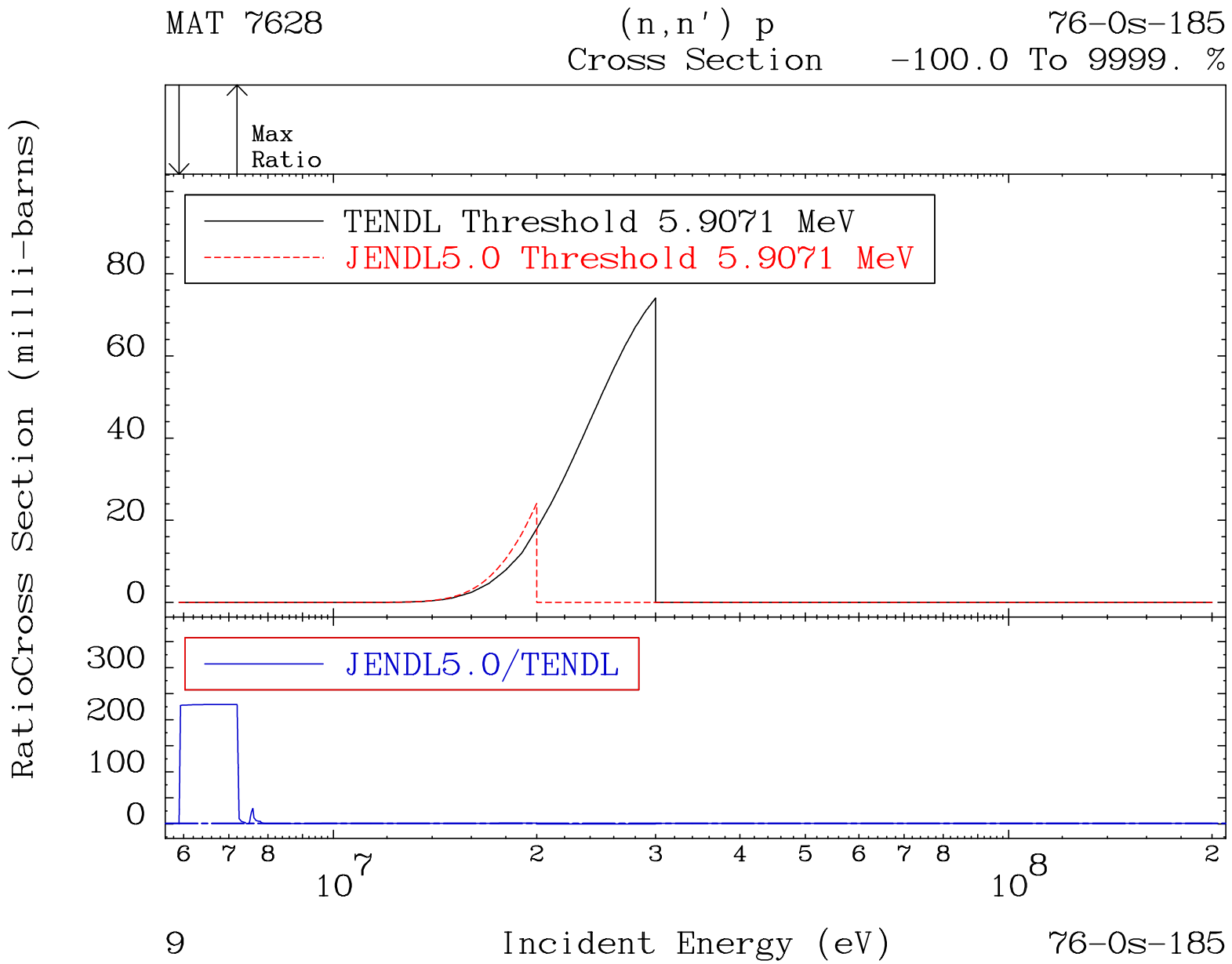

MAT 7628
(n,remainder)
Cross Section
76-0s-185
-2.911 To 3.213 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.04
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
76-0s-185

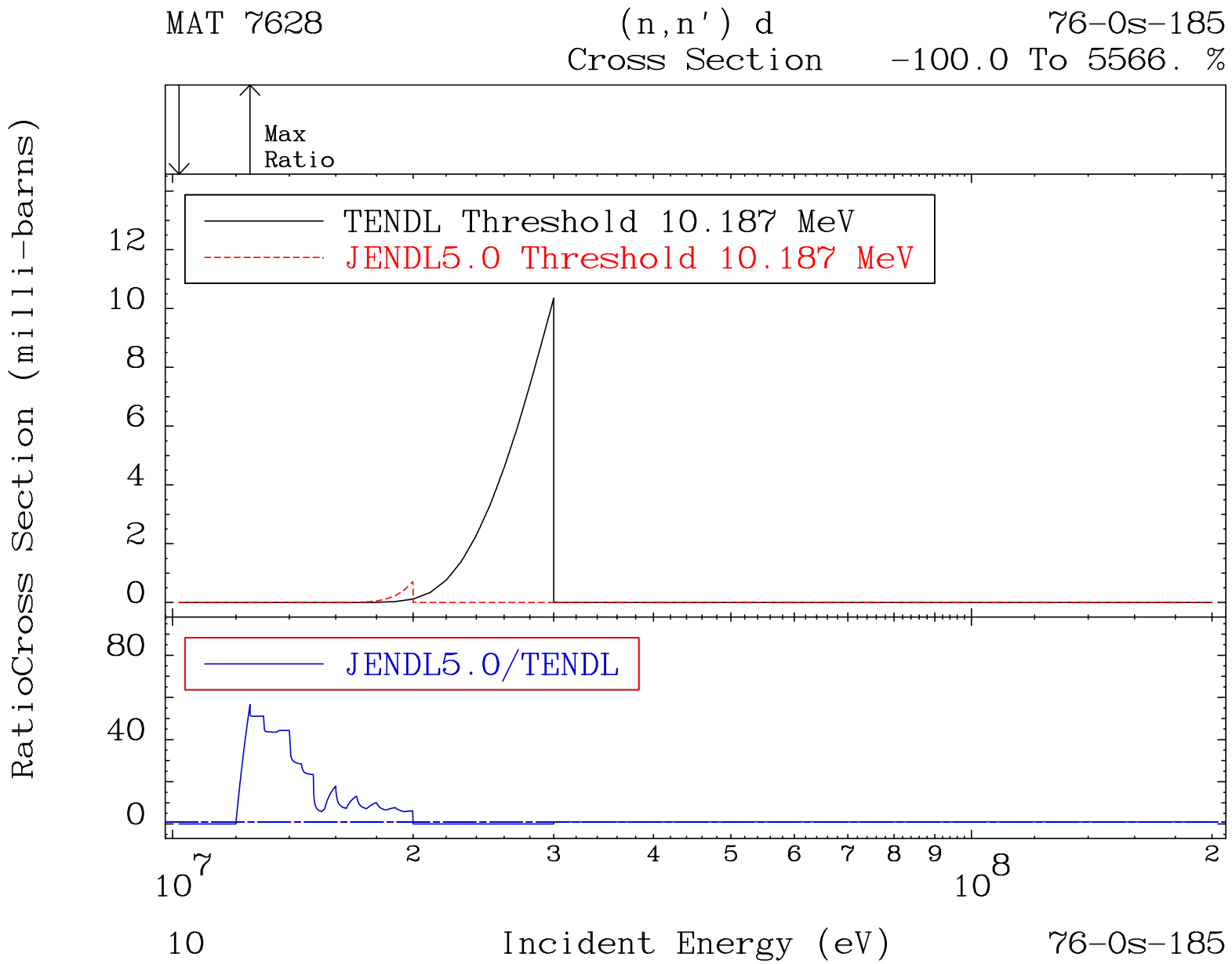

MAT 7628
(n,2n)
Cross Section
76-0s-185
-100.0 To 317.8 %
Max
Ratio
TENDL Threshold 6.6608 MeV
JENDL5.0 Threshold 6.6608 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
5
76-0s-185

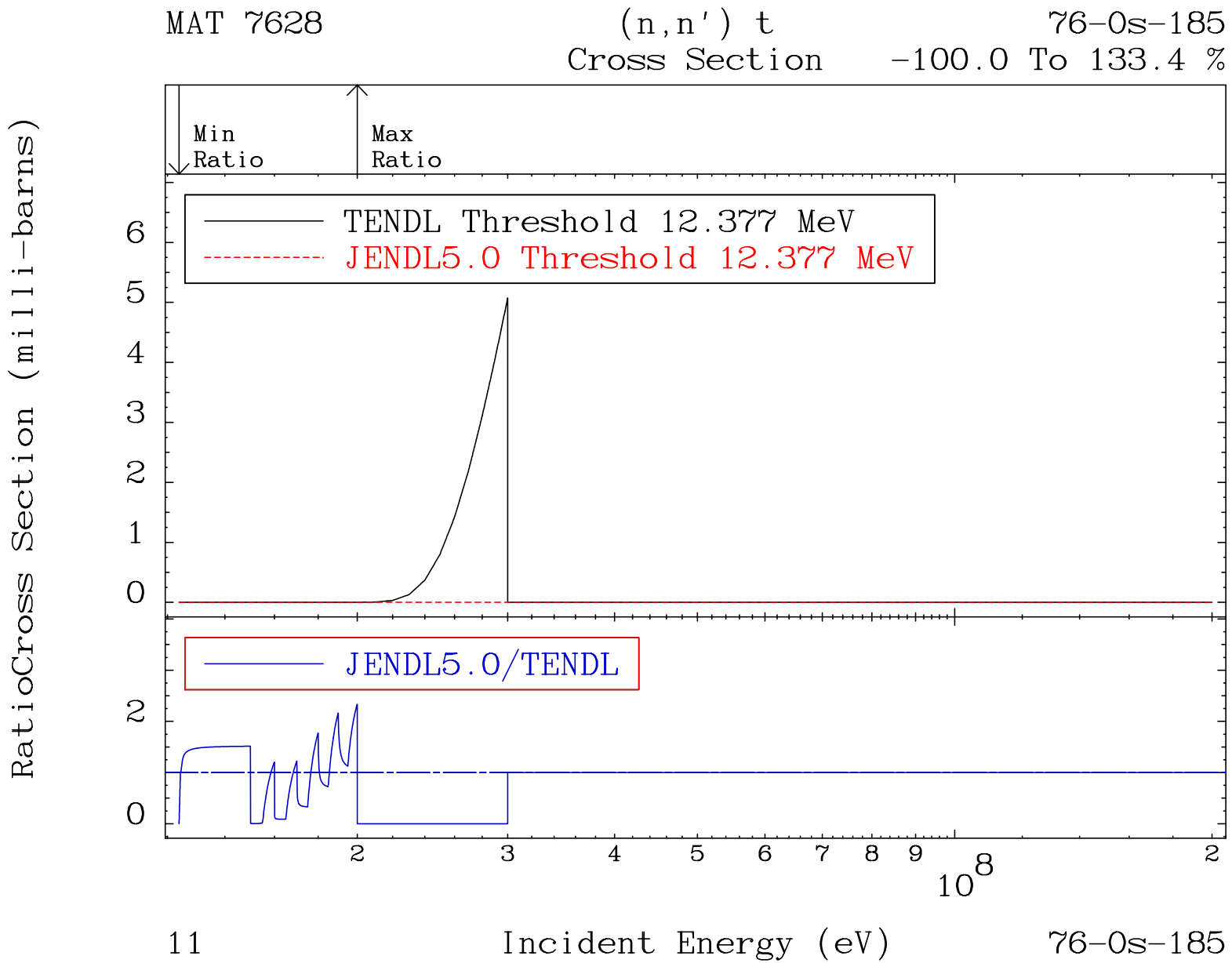

MAT 7628
(n,3n)
Cross Section
76-0s-185
-100.0 To 24.62 %
Min
Ratio
TENDL Threshold 15.368 MeV
JENDL5.0 Threshold 15.368 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
76-0s-185

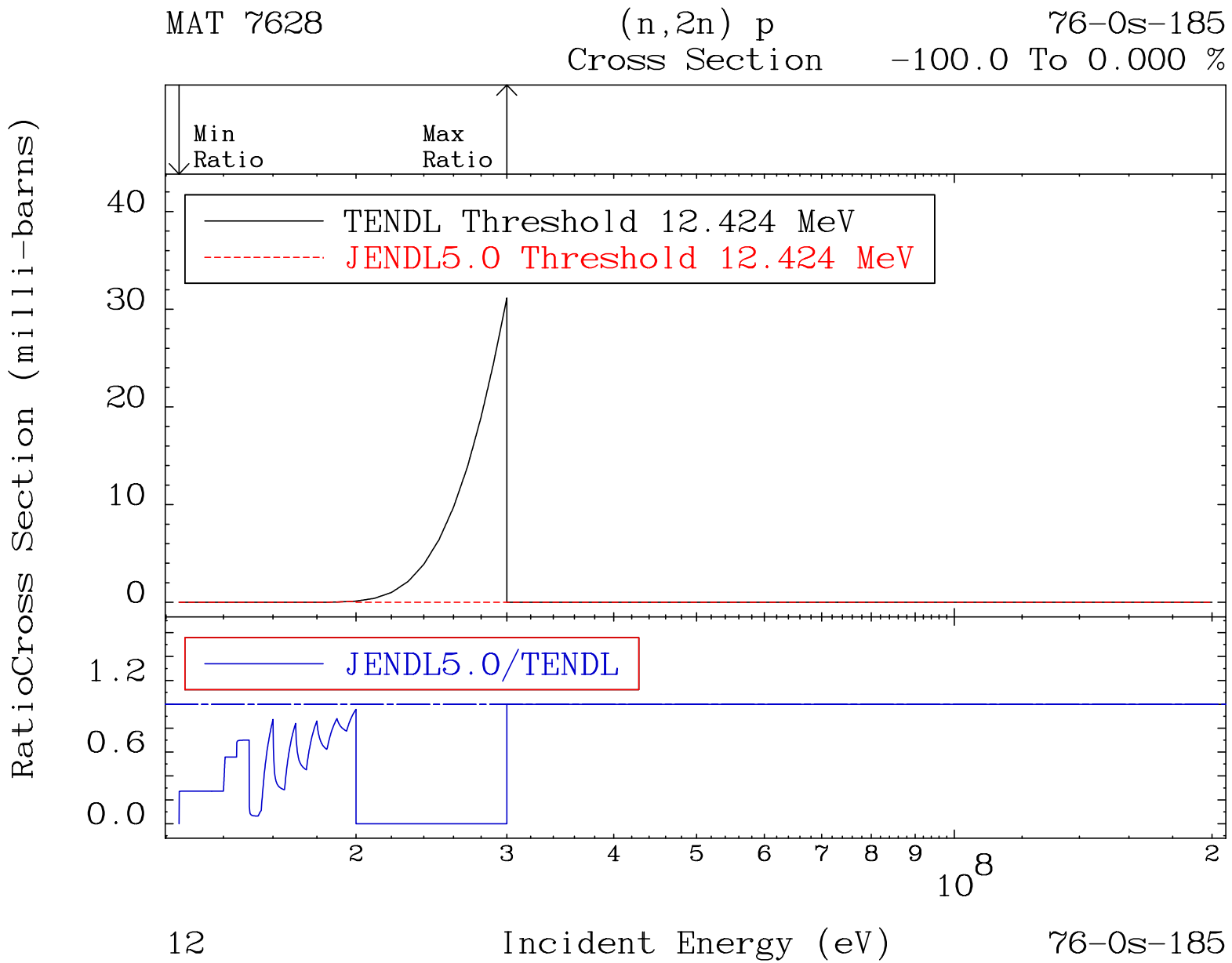

MAT 7628
(n,n') α
Cross Section
76-0s-185
-100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0 Threshold 1.2000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76-0s-185
7

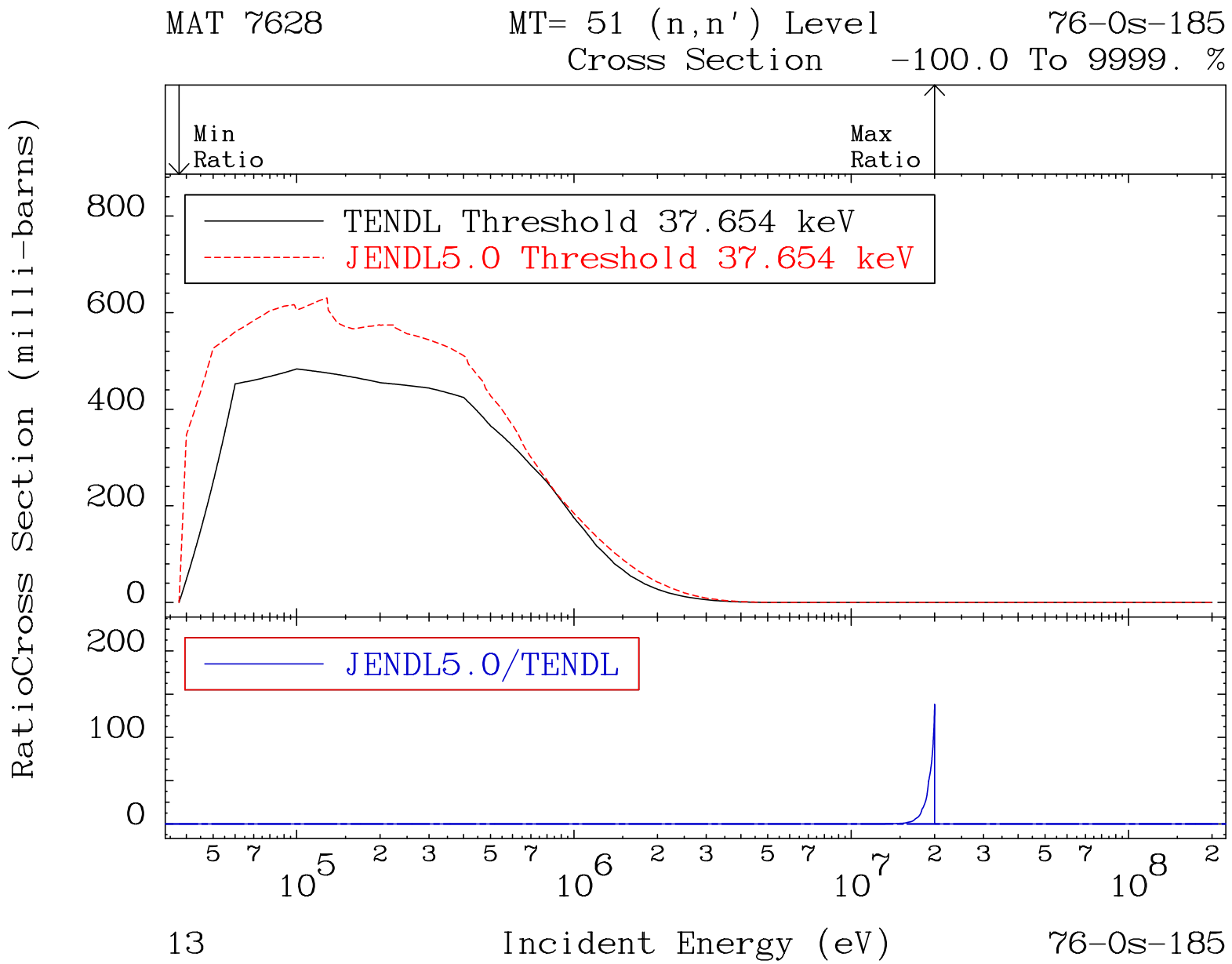

MAT 7628
(n,2n) α
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6859 MeV
JENDL5.0 Threshold 3.6859 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
76-0s-185

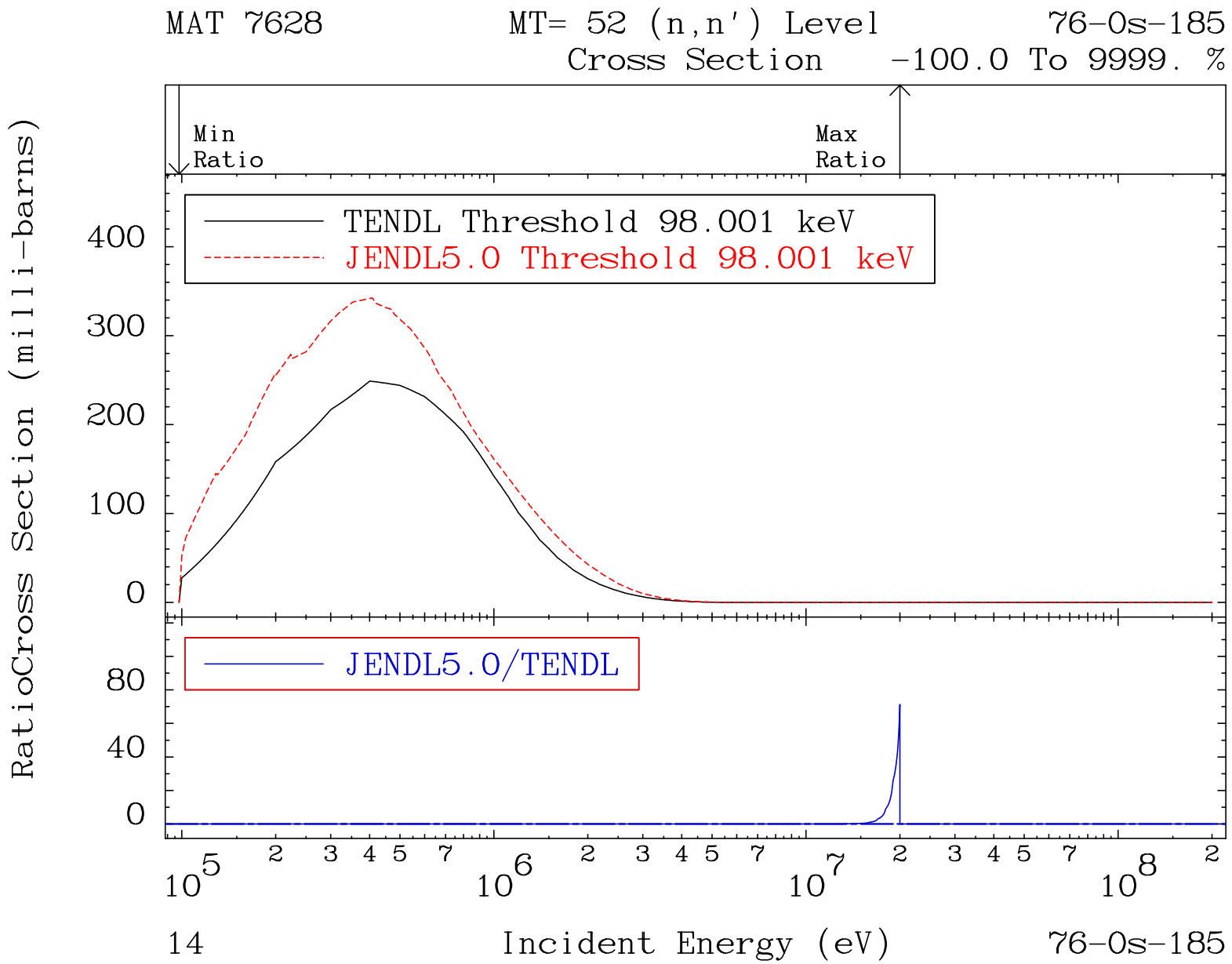

MAT 7628
(n,n') p
Cross Section
76-0s-185
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9071 MeV
JENDL5.0 Threshold 5.9071 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
300
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
76-0s-185

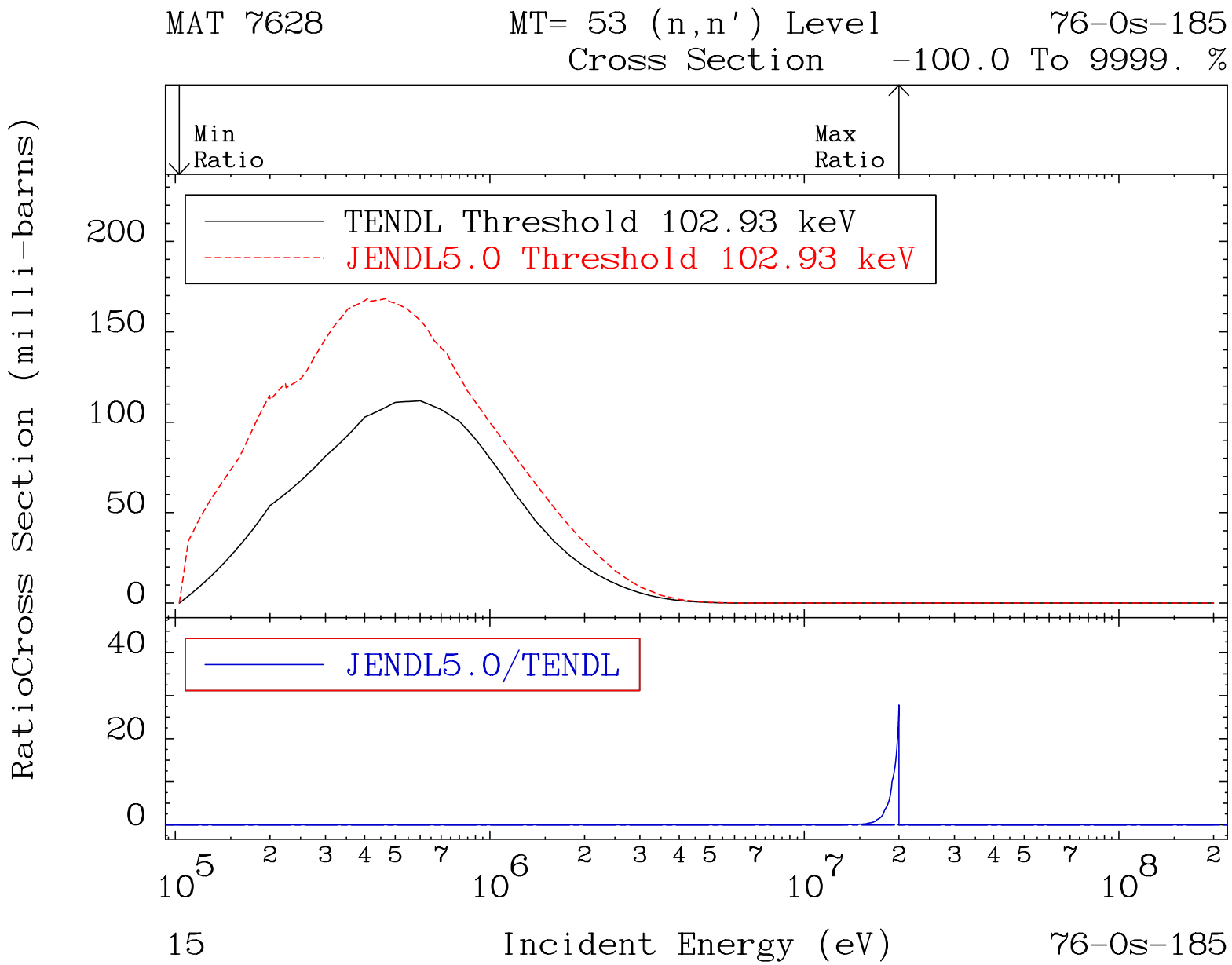

MAT 7628
(n,n') d
Cross Section
76-0s-185
-100.0 To 5566. %
Max
Ratio
TENDL Threshold 10.187 MeV
JENDL5.0 Threshold 10.187 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76-0s-185

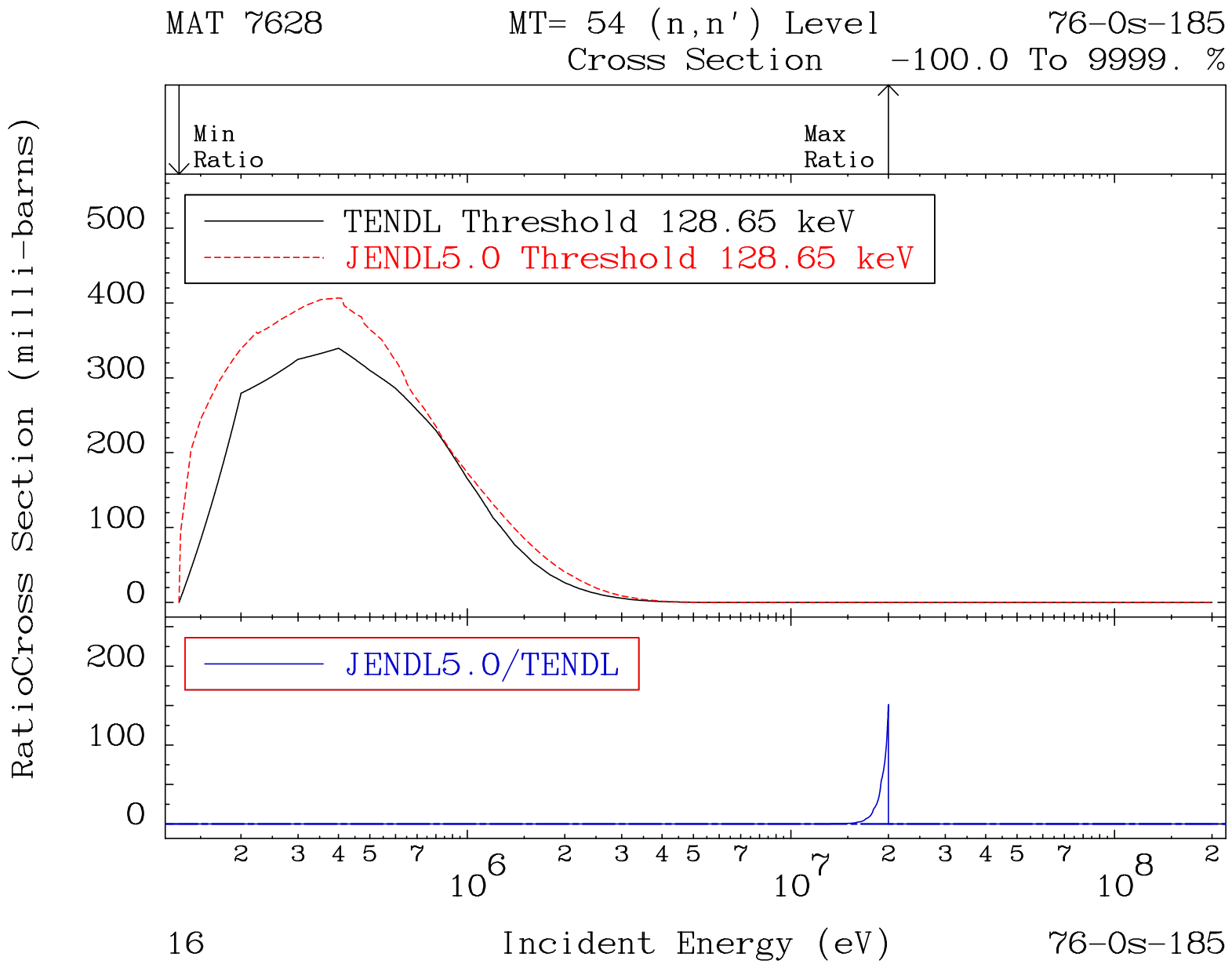

MAT 7628
(n,n') t
Cross Section
76-0s-185
-100.0 To 133.4 %
Min Ratio
Max Ratio
TENDL Threshold 12.377 MeV
JENDL5.0 Threshold 12.377 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
0
2
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
76-0s-185

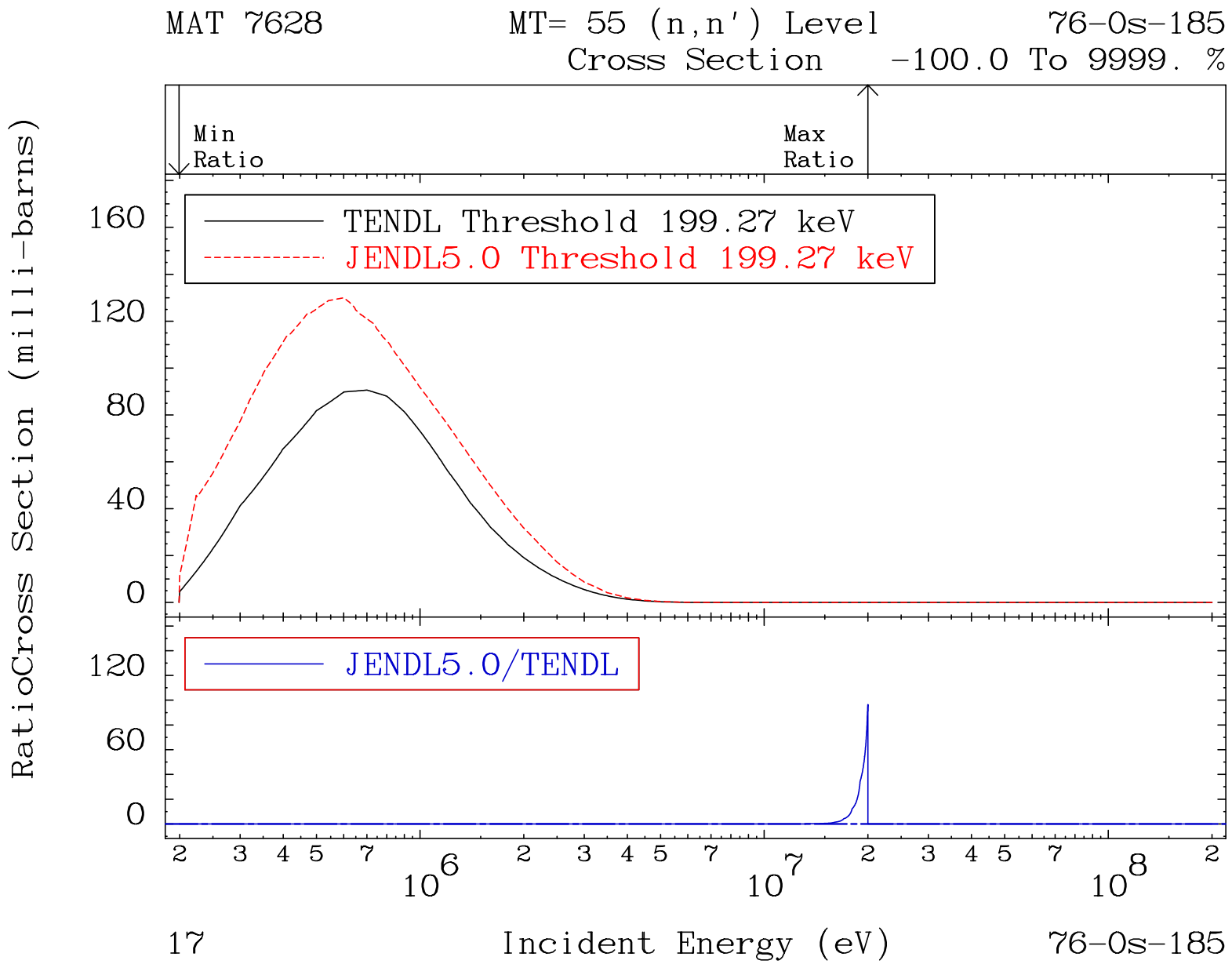

MAT 7628
(n,2n) p
Cross Section
76-0s-185
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.424 MeV
JENDL5.0 Threshold 12.424 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
76-0s-185

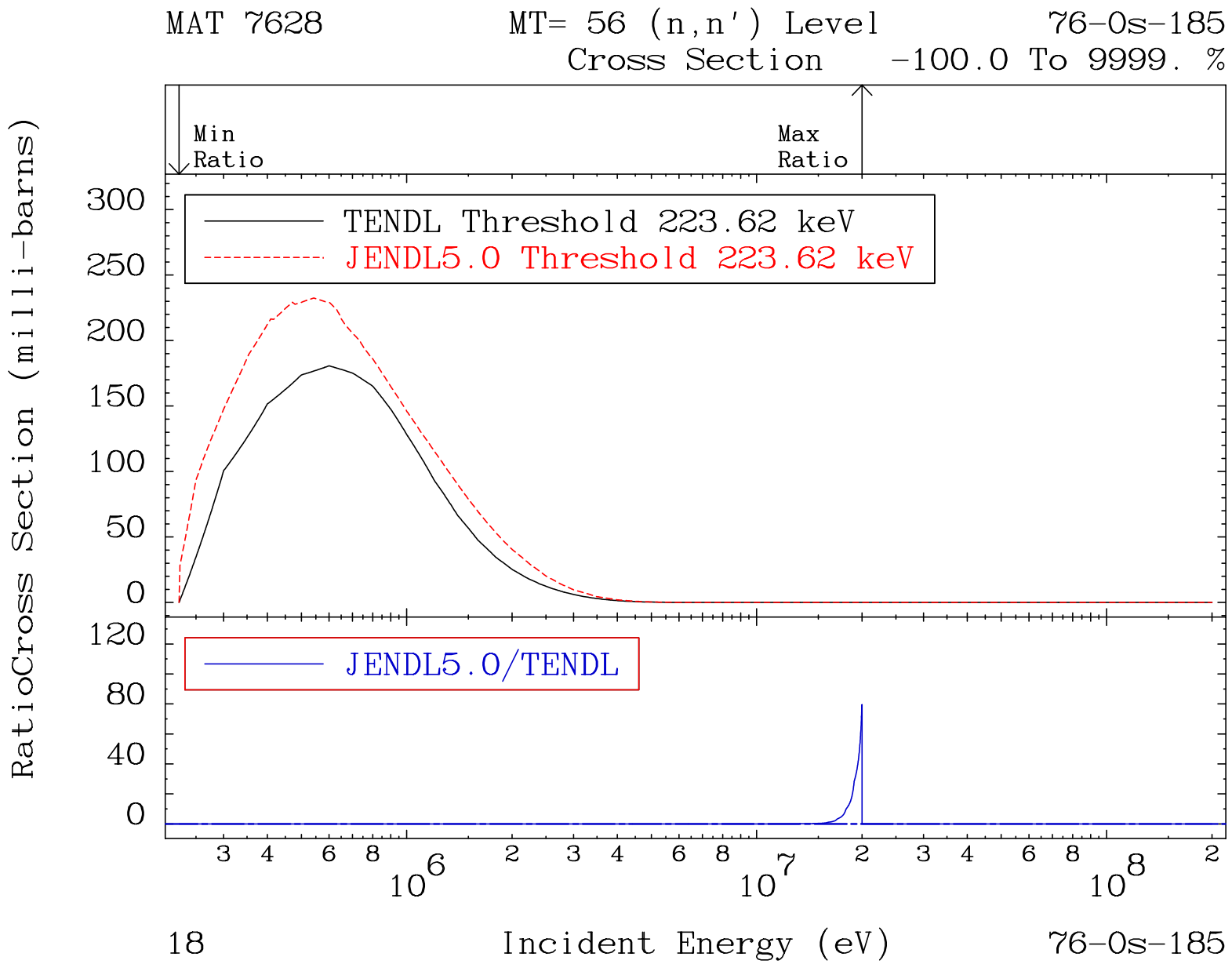

MAT 7628
MT= 51 (n,n') Level
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 37.654 keV
JENDL5.0 Threshold 37.654 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
200
100
0
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
13
Incident Energy (eV)
76-0s-185

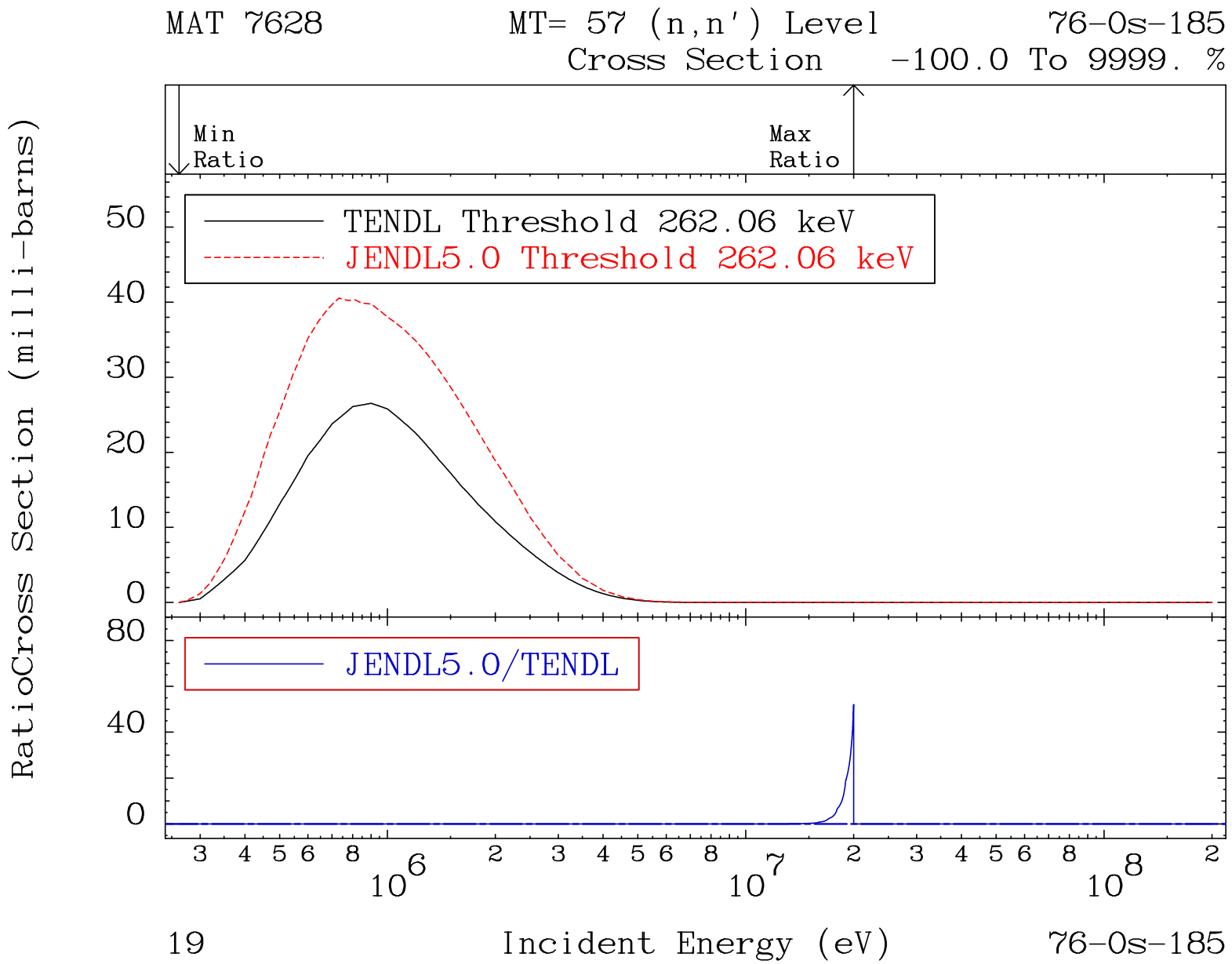

MAT 7628
MT= 52 (n,n') Level
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 98.001 keV
JENDL5.0 Threshold 98.001 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
80
40
0
10^5
10^6
10^7
10^8
14
Incident Energy (eV)
76-0s-185

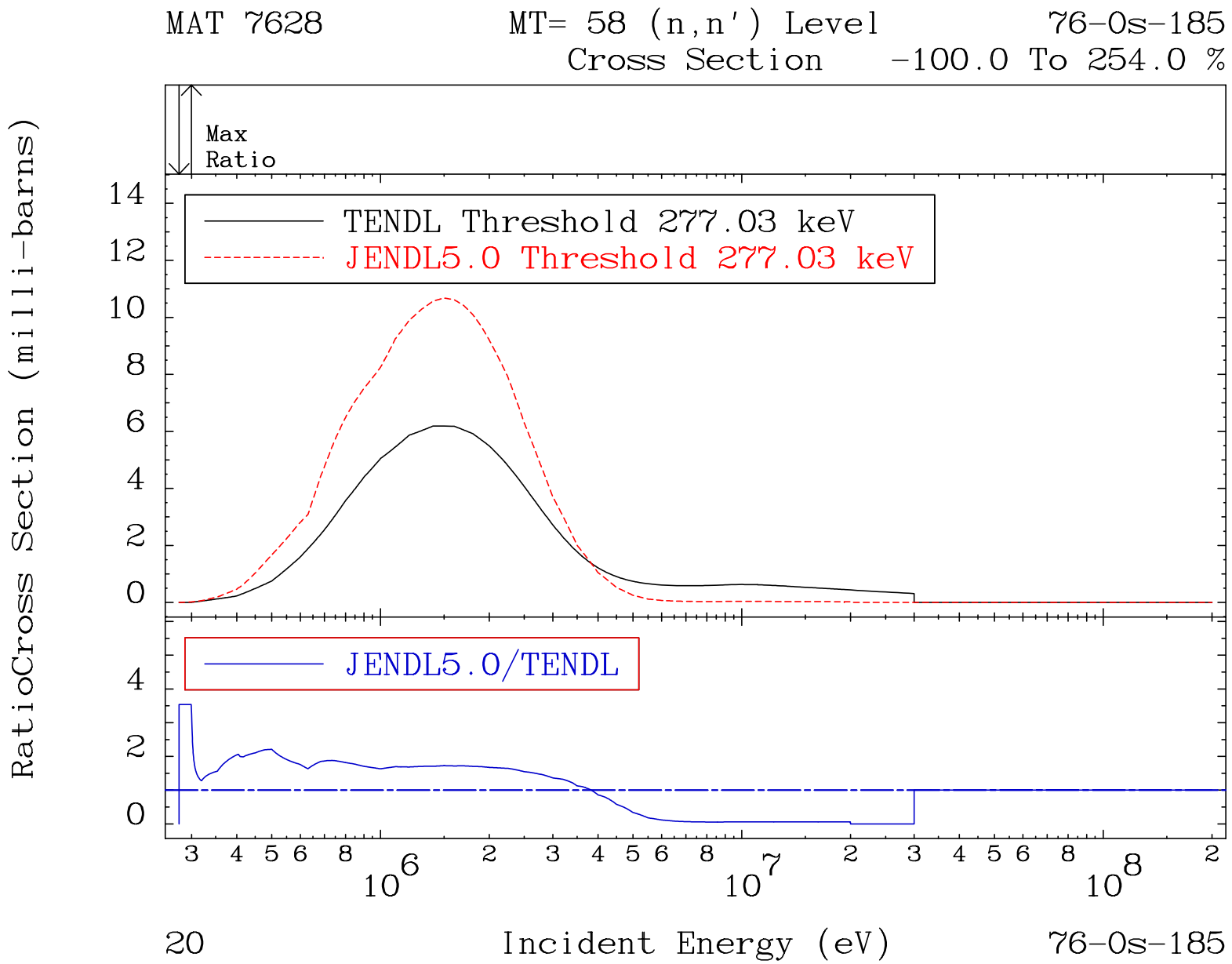

MAT 7628
MT= 53 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 102.93 keV
JENDL5.0 Threshold 102.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
40
20
0
10^5
10^6
10^7
10^8
2 3 4 5 7
Incident Energy (eV)
15
76-0s-185

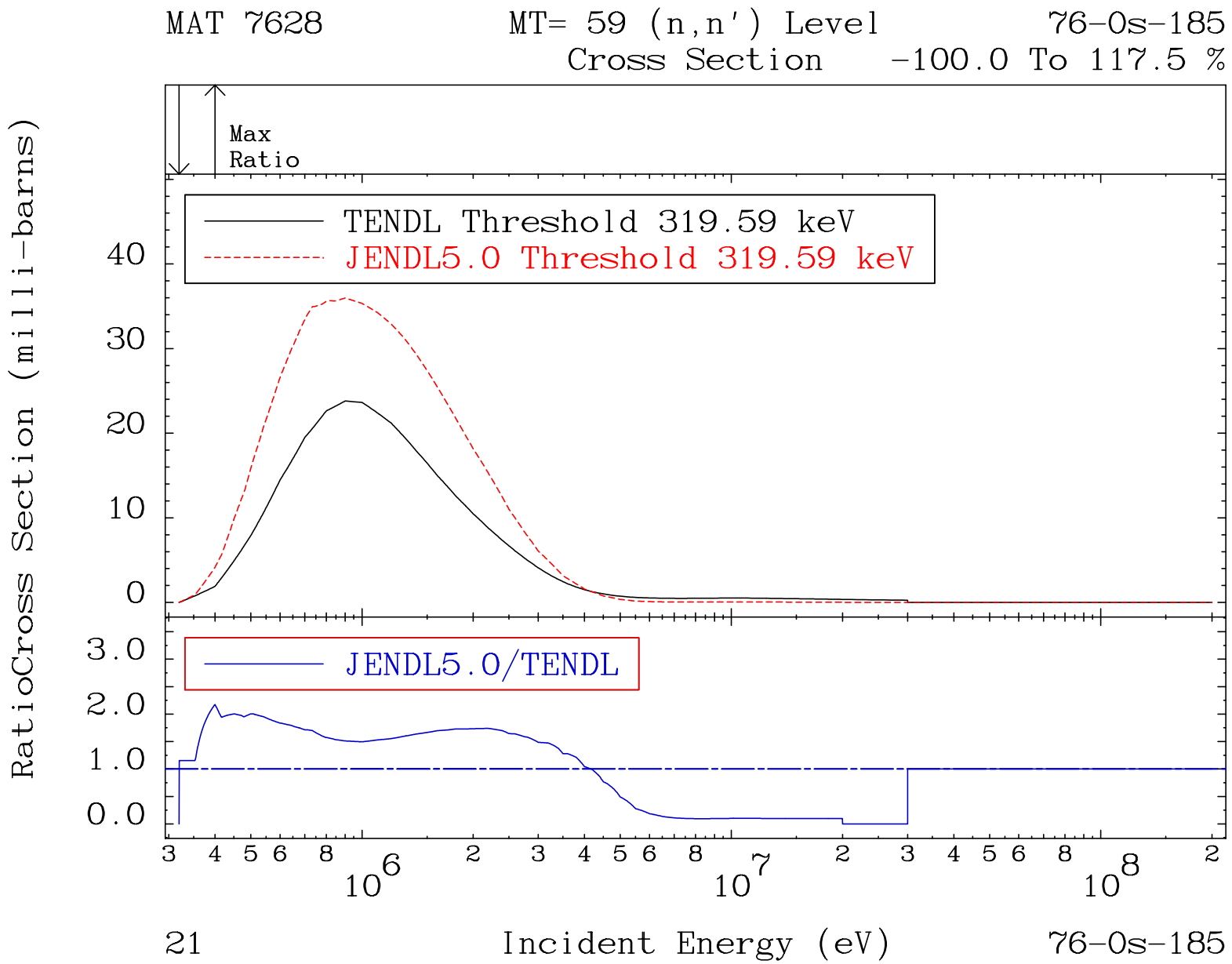

MAT 7628
MT= 54 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 128.65 keV
JENDL5.0 Threshold 128.65 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
200
100
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
16
Incident Energy (eV)
76-0s-185

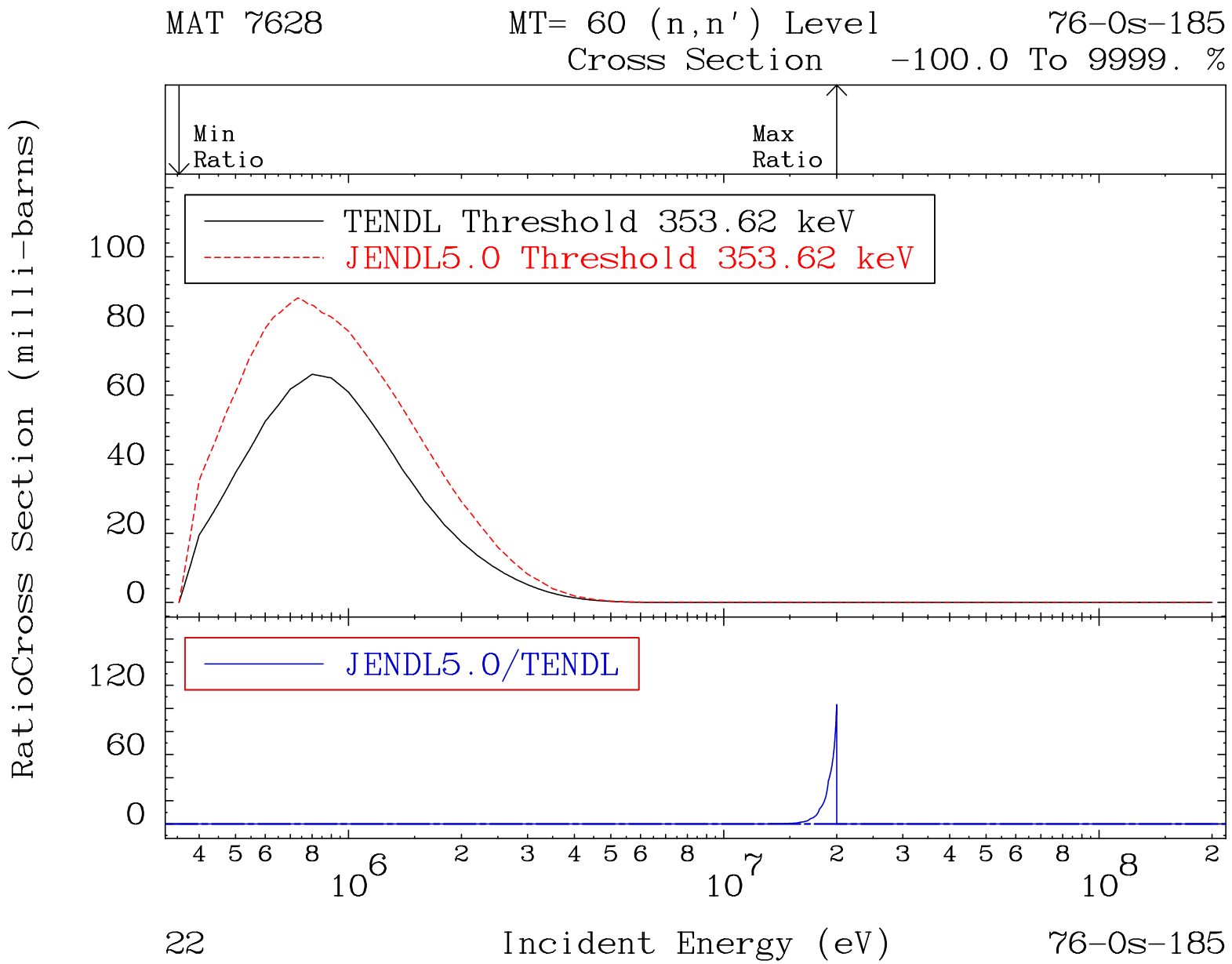

MAT 7628
MT= 55 (n,n') Level
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 199.27 keV
JENDL5.0 Threshold 199.27 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
60
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
17
Incident Energy (eV)
76-0s-185

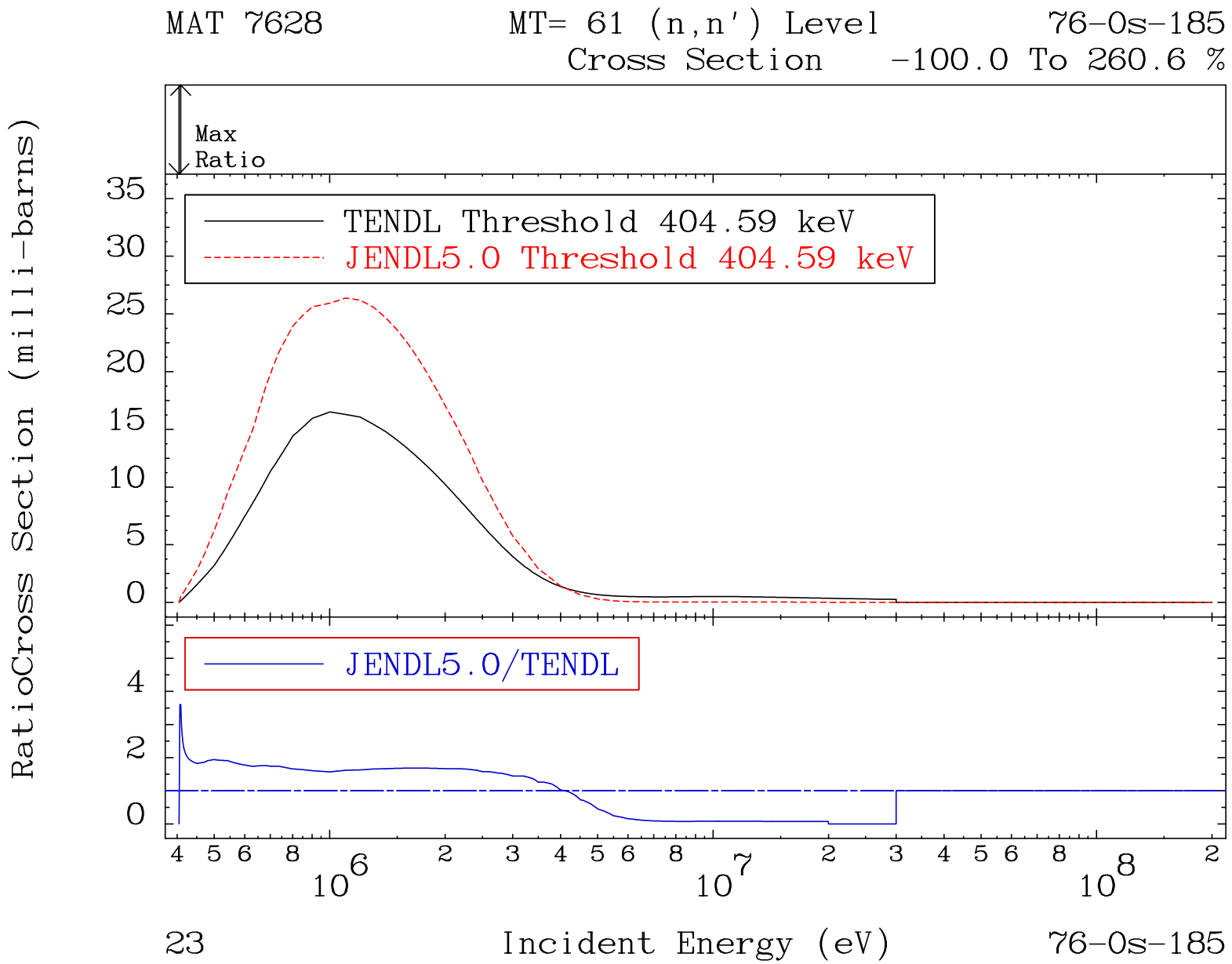

MAT 7628
MT= 56 (n,n') Level
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 223.62 keV
JENDL5.0 Threshold 223.62 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
120
80
40
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
18
Incident Energy (eV)
76-0s-185

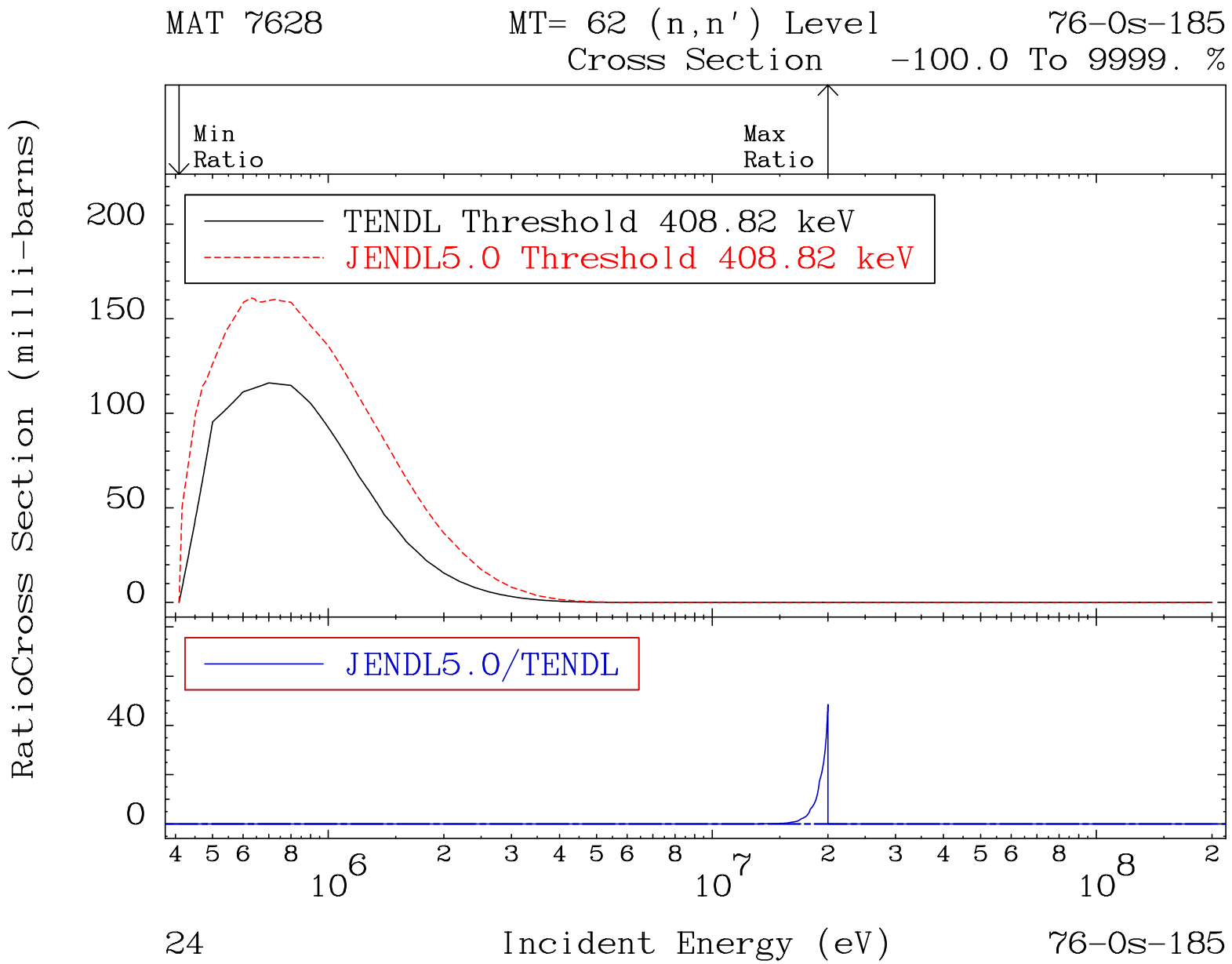

MAT 7628
MT= 57 (n,n') Level
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 262.06 keV
JENDL5.0 Threshold 262.06 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
76-0s-185

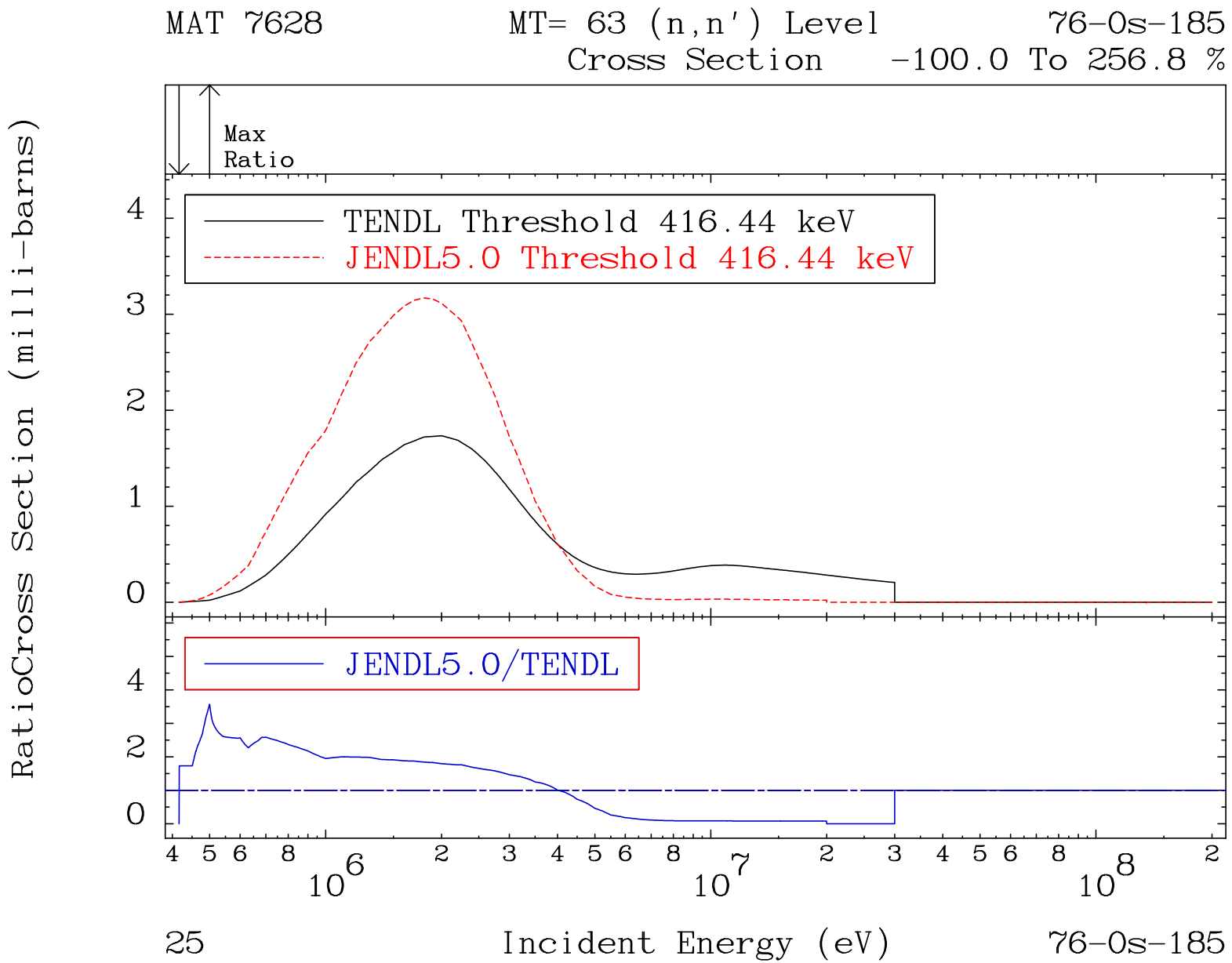

MAT 7628
MT= 58 (n,n') Level
76-0s-185
Cross Section
-100.0 To 254.0 %
Max
Ratio
TENDL Threshold 277.03 keV
JENDL5.0 Threshold 277.03 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
76-0s-185

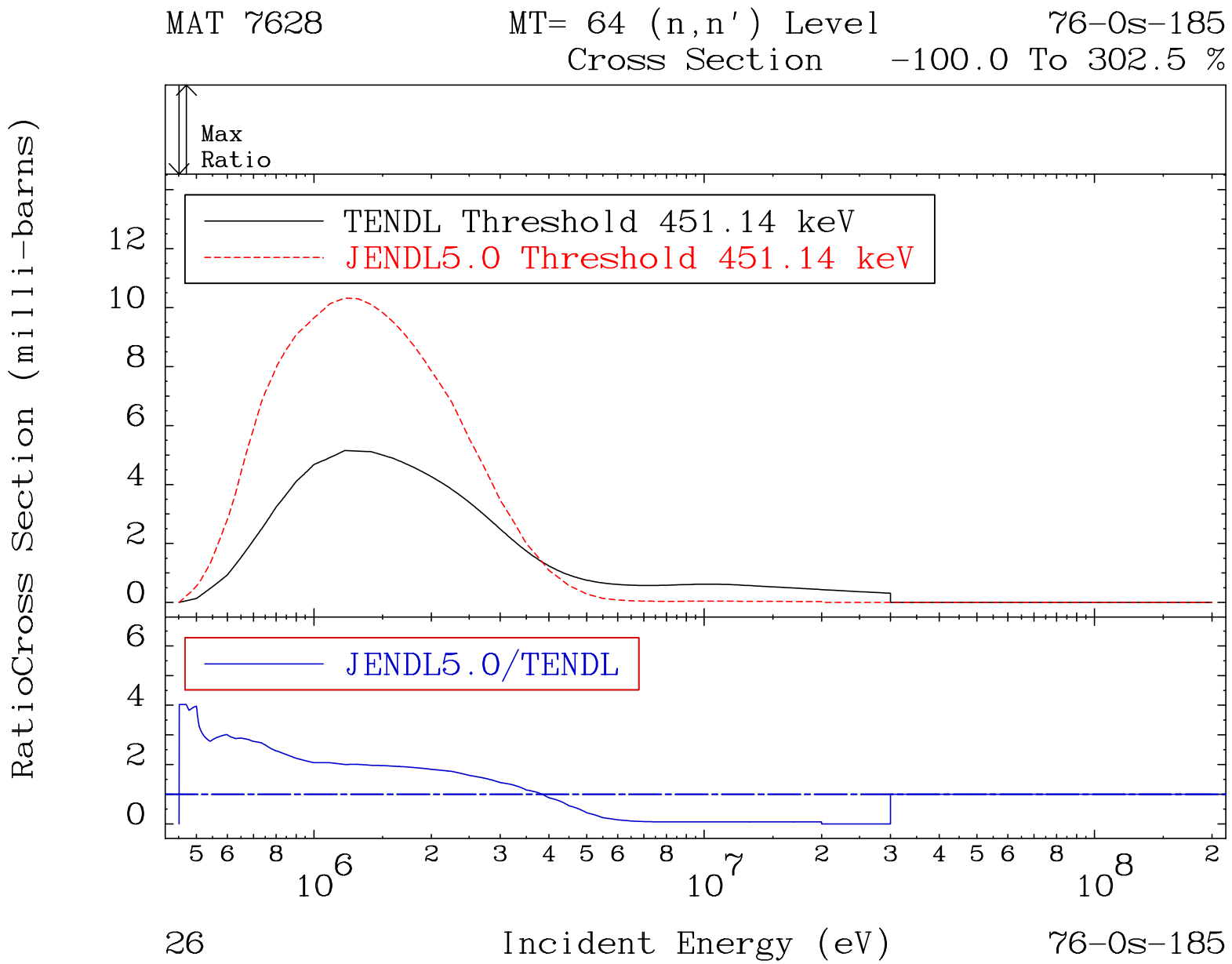

MAT 7628
MT= 59 (n,n') Level
76-0s-185
Cross Section
-100.0 To 117.5 %
Max
Ratio
TENDL Threshold 319.59 keV
JENDL5.0 Threshold 319.59 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
76-0s-185

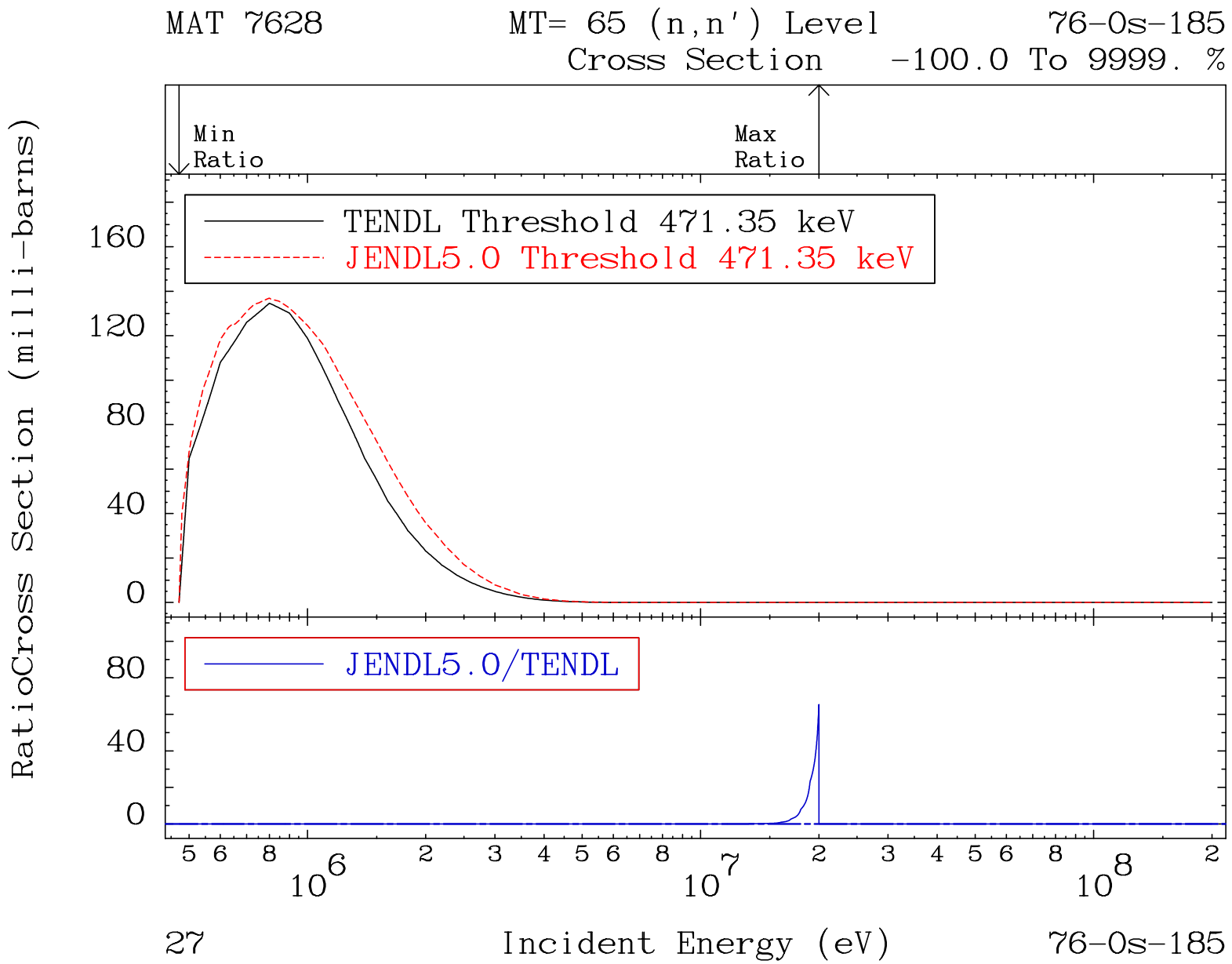

MAT 7628
MT= 60 (n,n') Level
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 353.62 keV
JENDL5.0 Threshold 353.62 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
60
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
76-0s-185

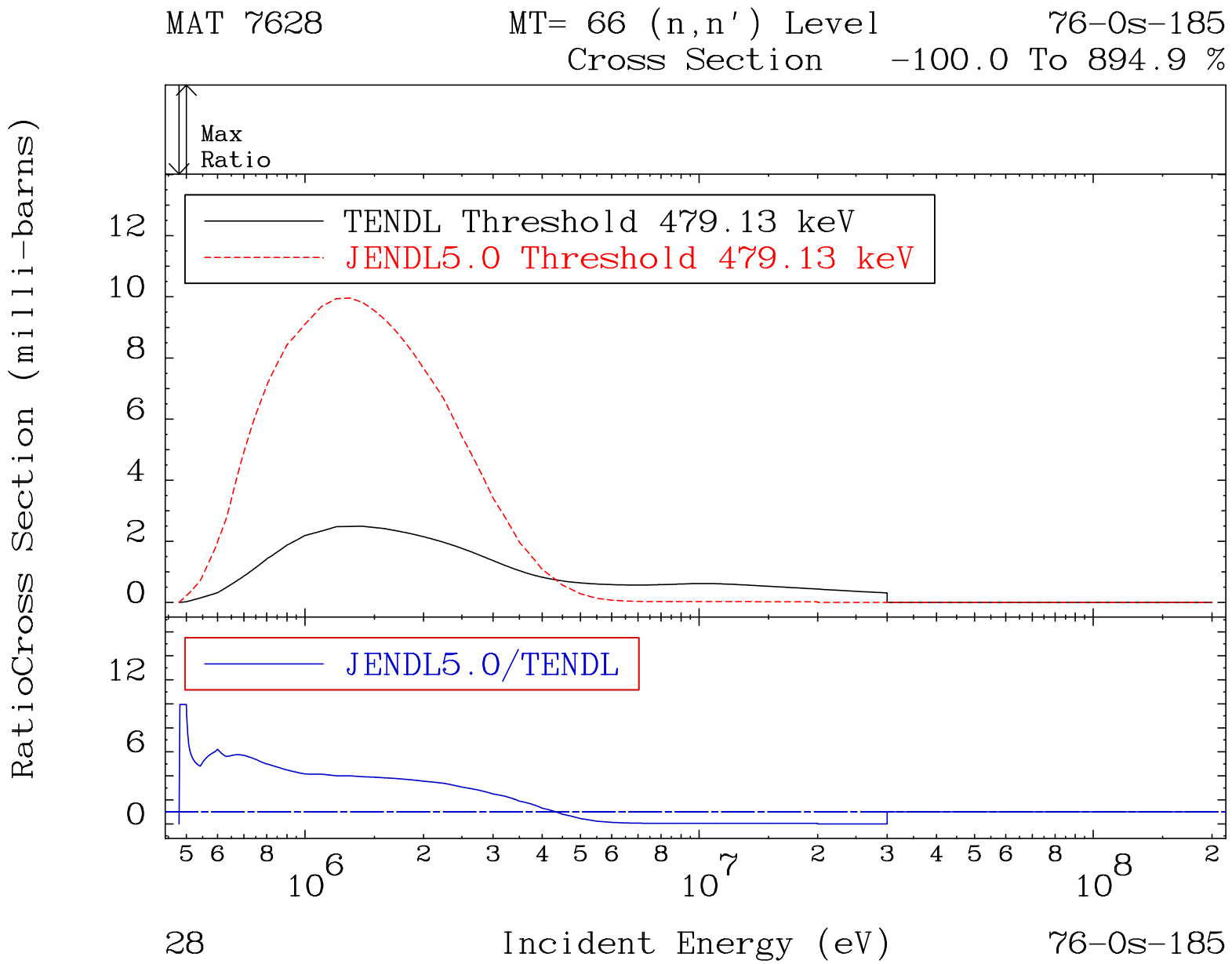

MAT 7628
MT= 61 (n,n') Level
76-0s-185
Cross Section
-100.0 To 260.6 %
Max
Ratio
TENDL Threshold 404.59 keV
JENDL5.0 Threshold 404.59 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
76-0s-185

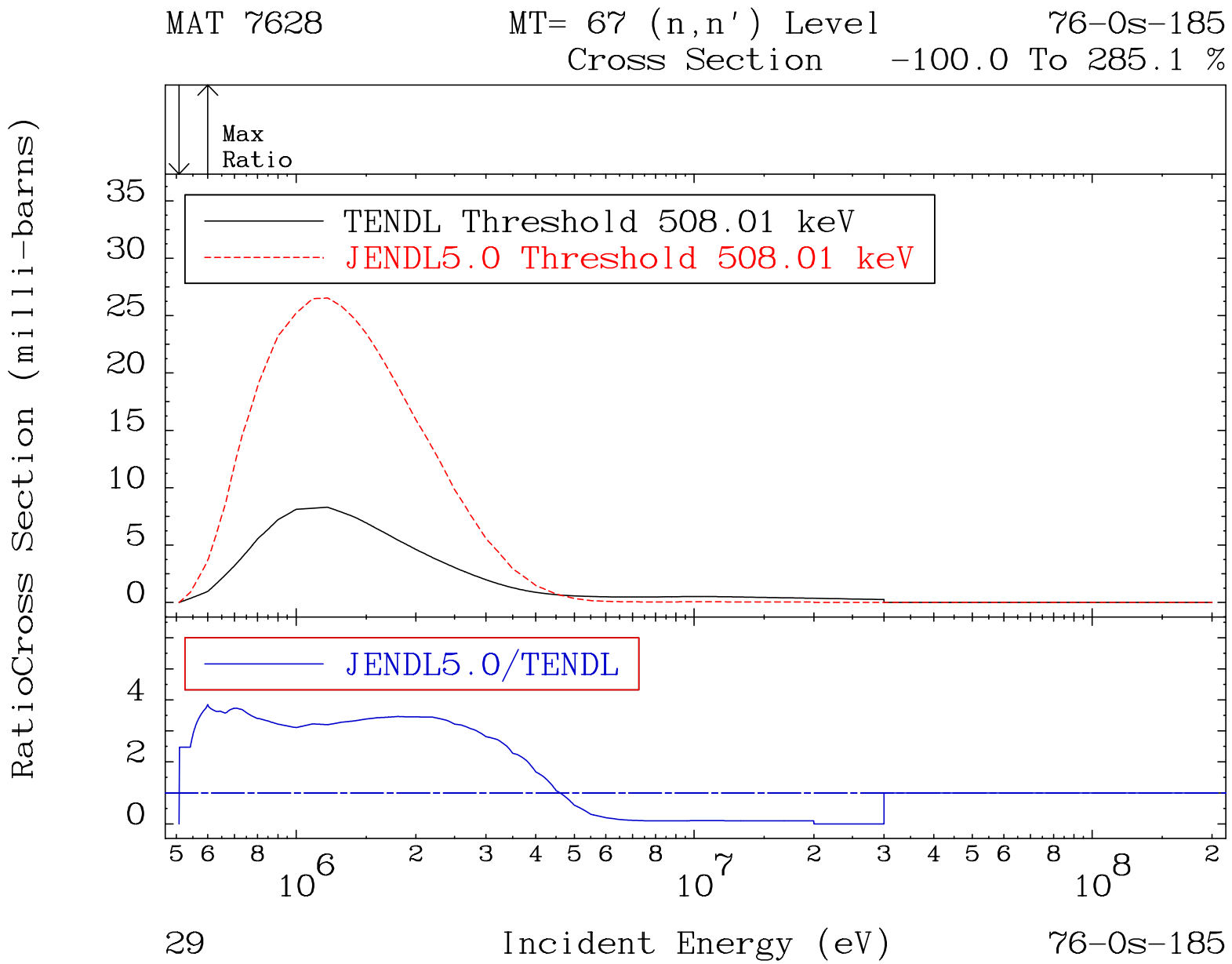

MAT 7628
MT= 62 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 408.82 keV
JENDL5.0 Threshold 408.82 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
40
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
24
76-0s-185

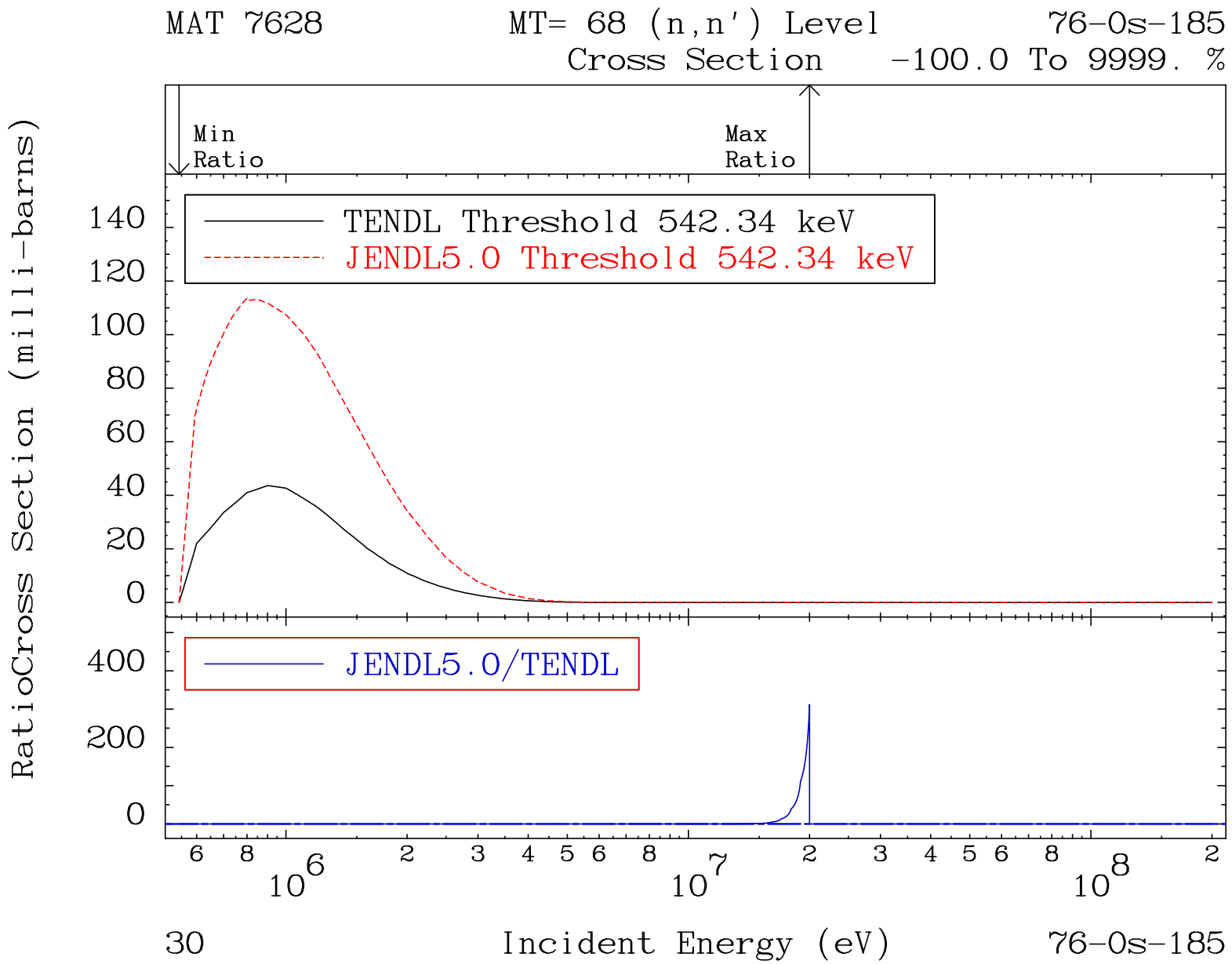

MAT 7628
MT= 63 (n,n') Level
76-0s-185
Cross Section
-100.0 To 256.8 %
Max
Ratio
TENDL Threshold 416.44 keV
JENDL5.0 Threshold 416.44 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
76-0s-185

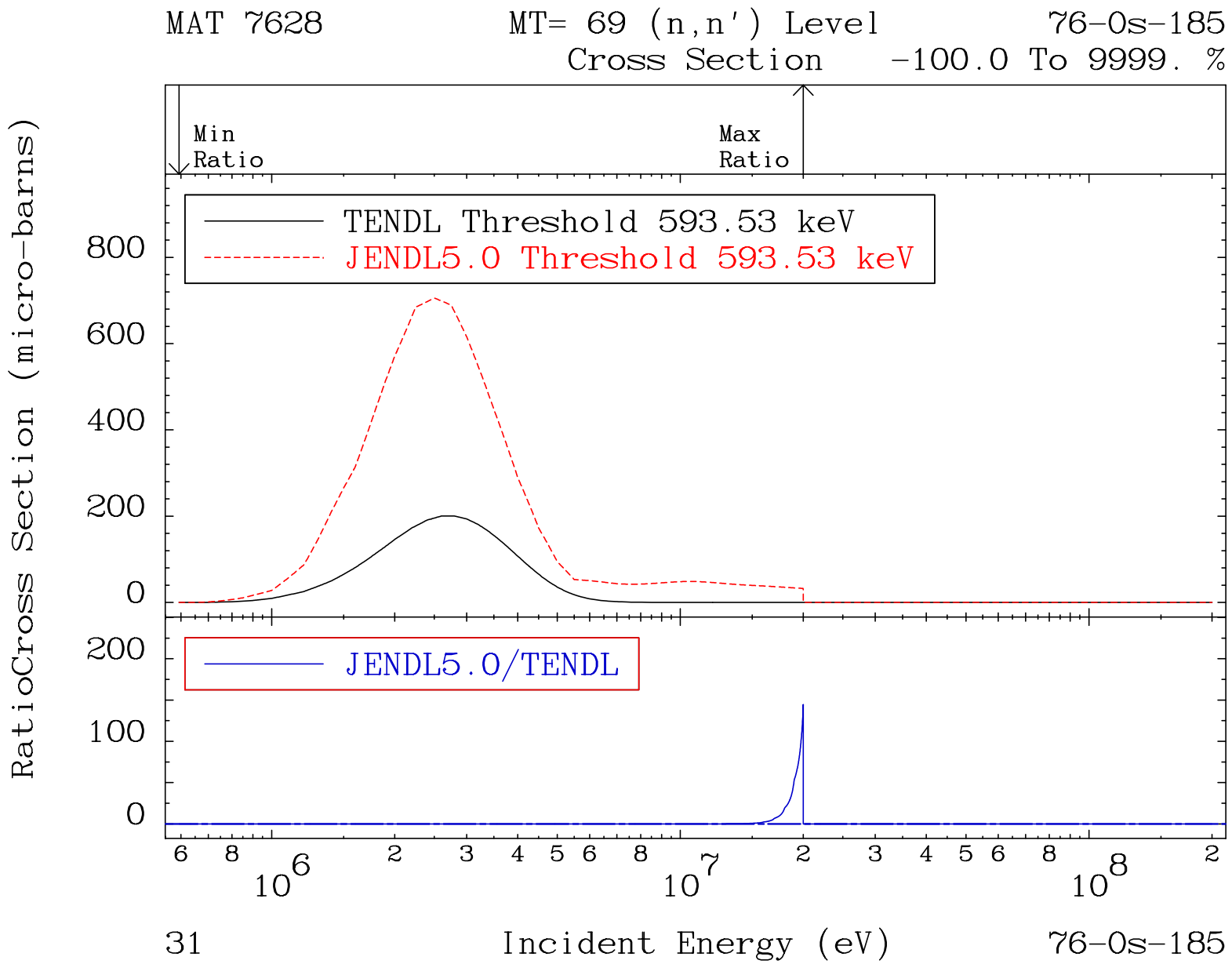

MAT 7628
MT= 64 (n,n') Level
76-0s-185
Cross Section
-100.0 To 302.5 %
Max
Ratio
TENDL Threshold 451.14 keV
JENDL5.0 Threshold 451.14 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
76-0s-185

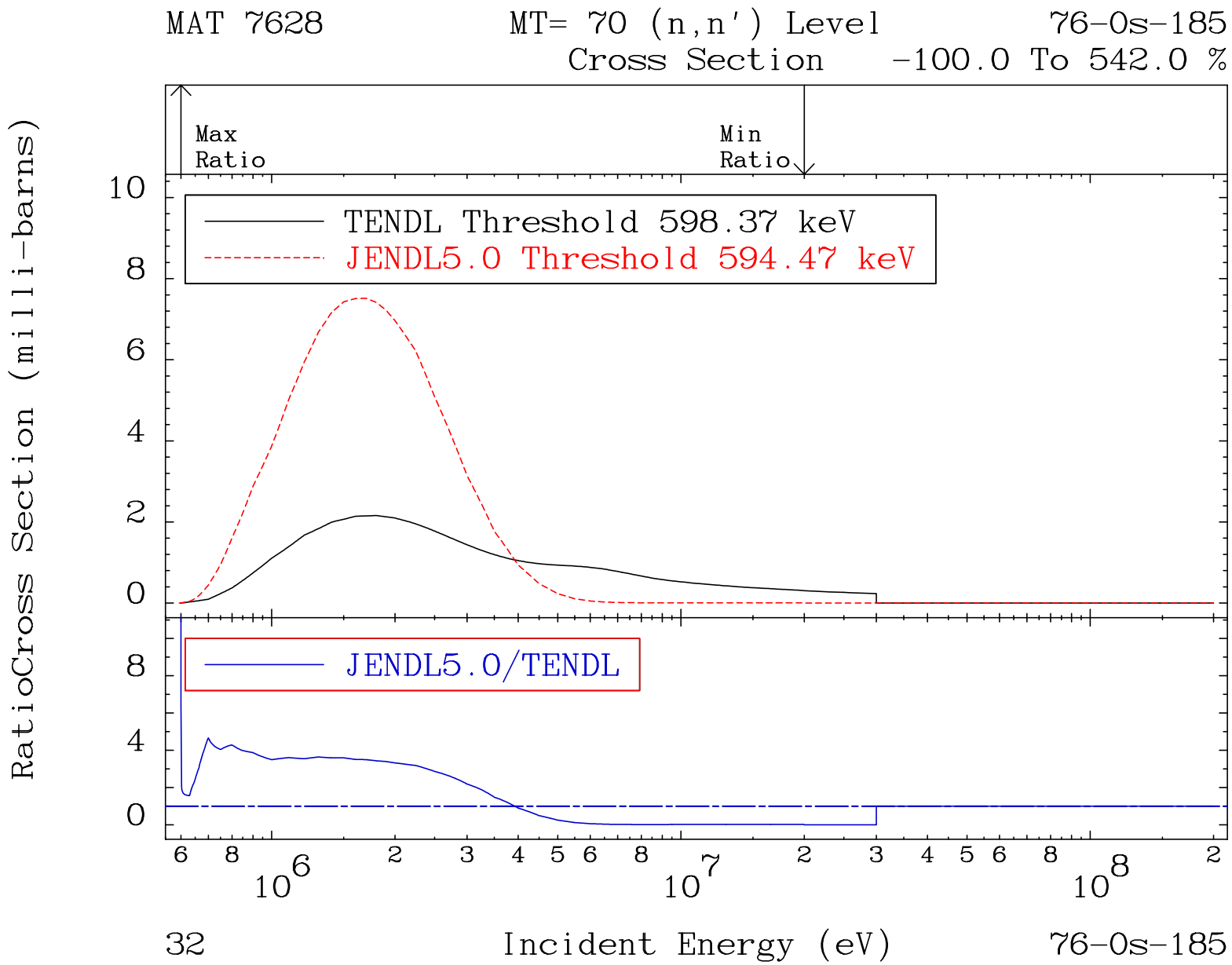

MAT 7628
MT= 65 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 471.35 keV
JENDL5.0 Threshold 471.35 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
80
40
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
76-0s-185

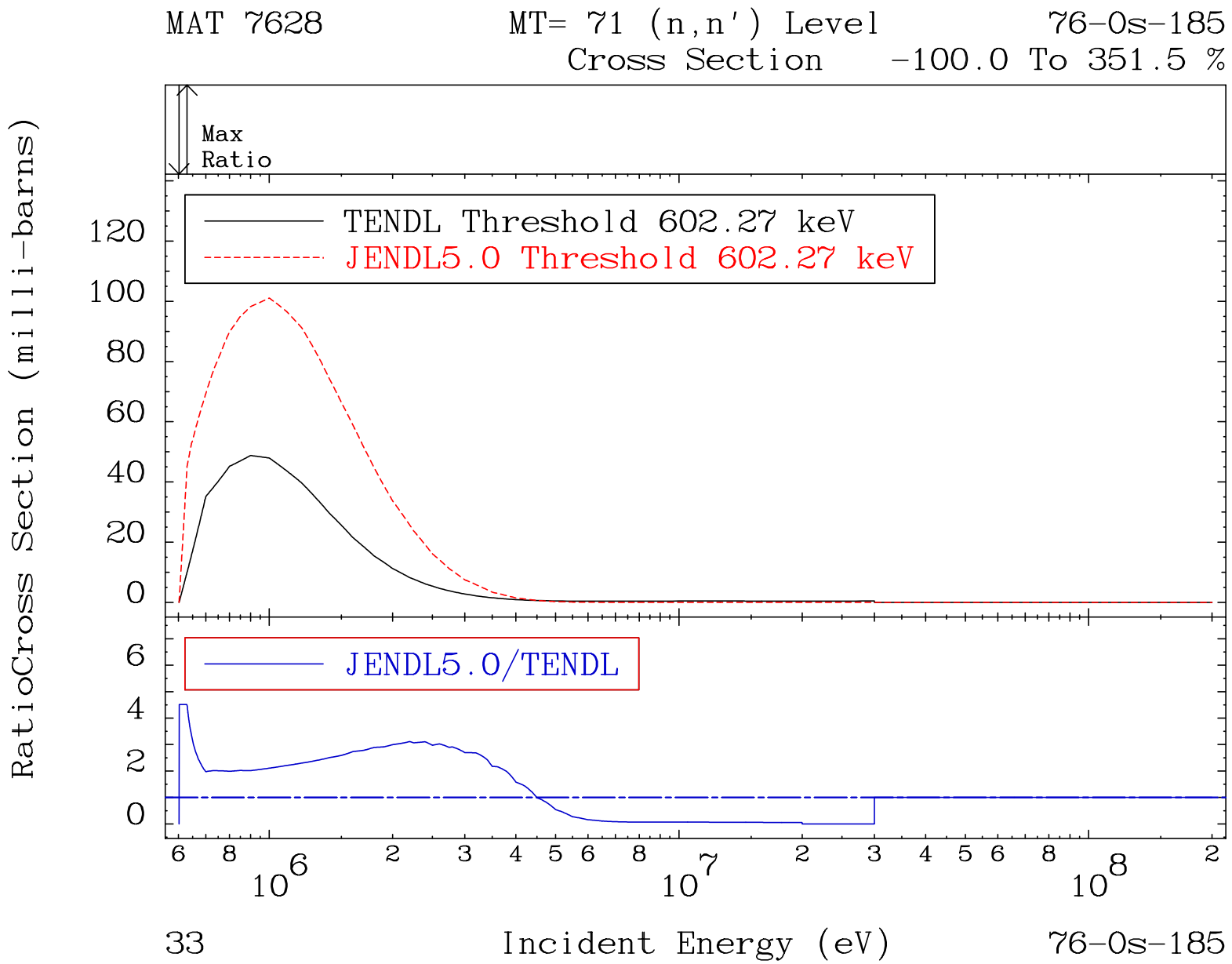

MAT 7628
MT= 66 (n,n') Level
76-0s-185
Cross Section
-100.0 To 894.9 %
Max
Ratio
TENDL Threshold 479.13 keV
JENDL5.0 Threshold 479.13 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
12
6
0
5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
28
Incident Energy (eV)
76-0s-185

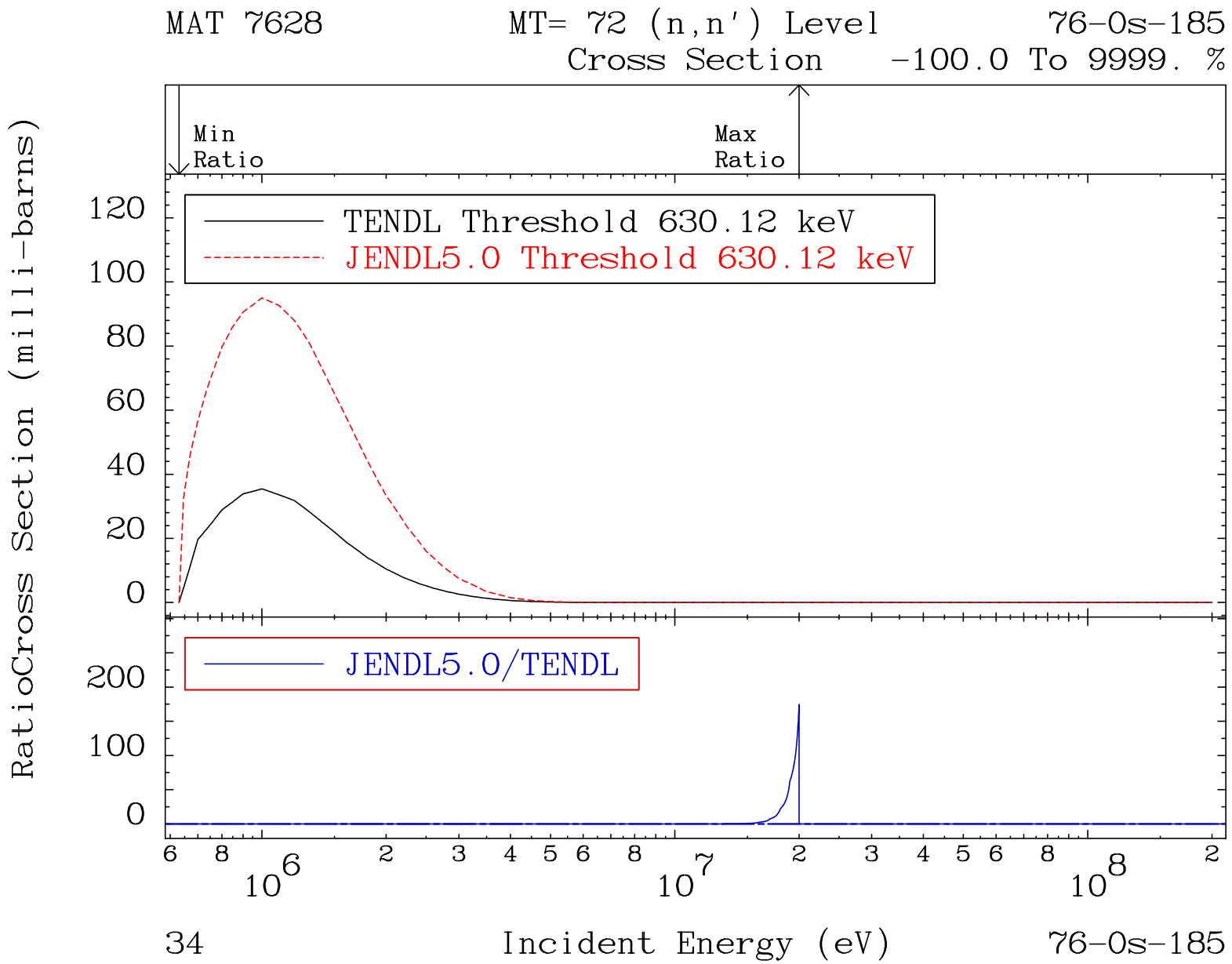

MAT 7628
MT= 67 (n,n') Level
76-0s-185
Cross Section
-100.0 To 285.1 %
Max
Ratio
TENDL Threshold 508.01 keV
JENDL5.0 Threshold 508.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
4
2
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
76-0s-185

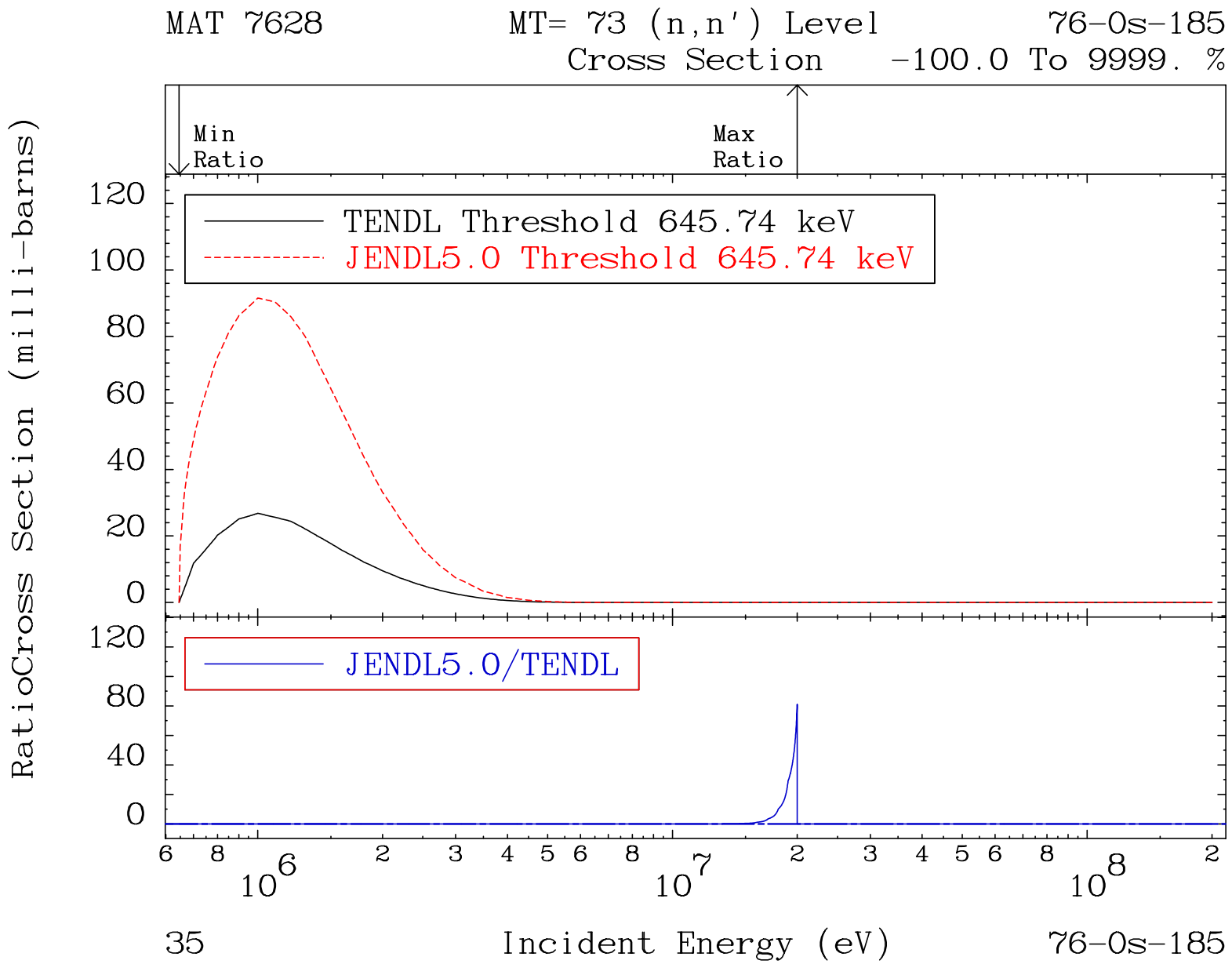

MAT 7628
MT= 68 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 542.34 keV
JENDL5.0 Threshold 542.34 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
400
200
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
30
76-0s-185

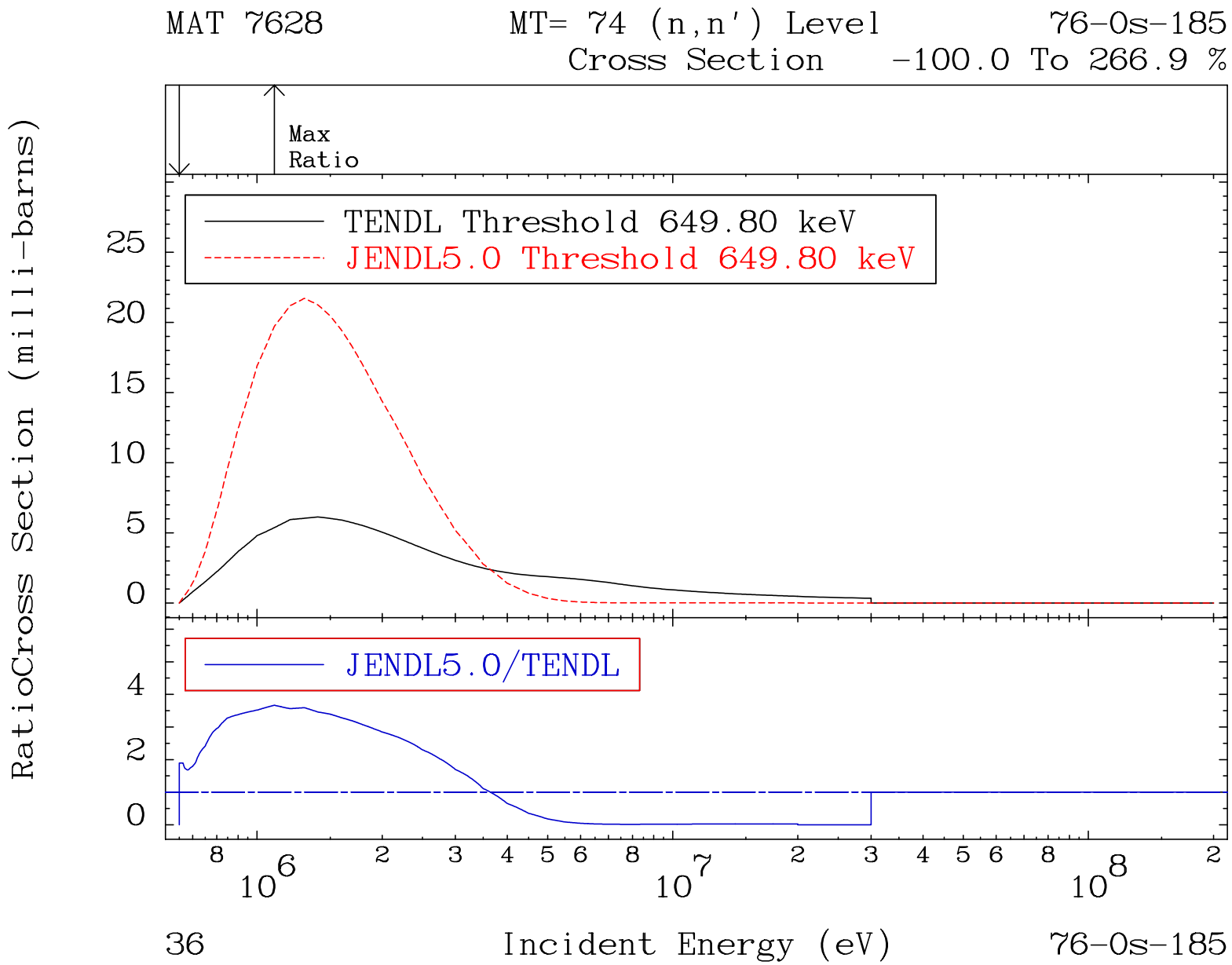

MAT 7628
MT= 69 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 593.53 keV
JENDL5.0 Threshold 593.53 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
200
100
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
76-0s-185

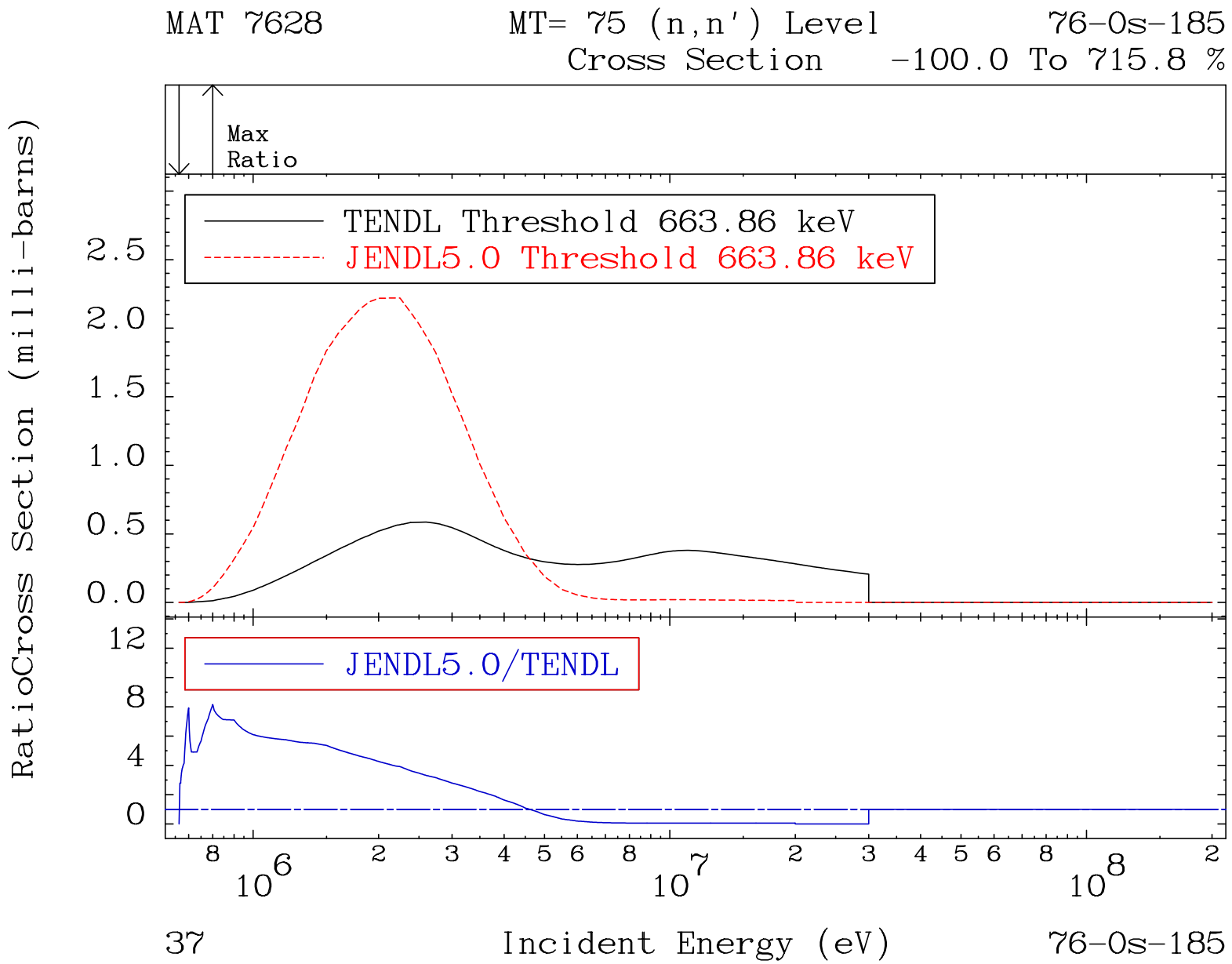

MAT 7628
MT= 70 (n,n') Level
76-0s-185
Cross Section
-100.0 To 542.0 %
Max Ratio
Min Ratio
TENDL Threshold 598.37 keV
JENDL5.0 Threshold 594.47 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
76-0s-185

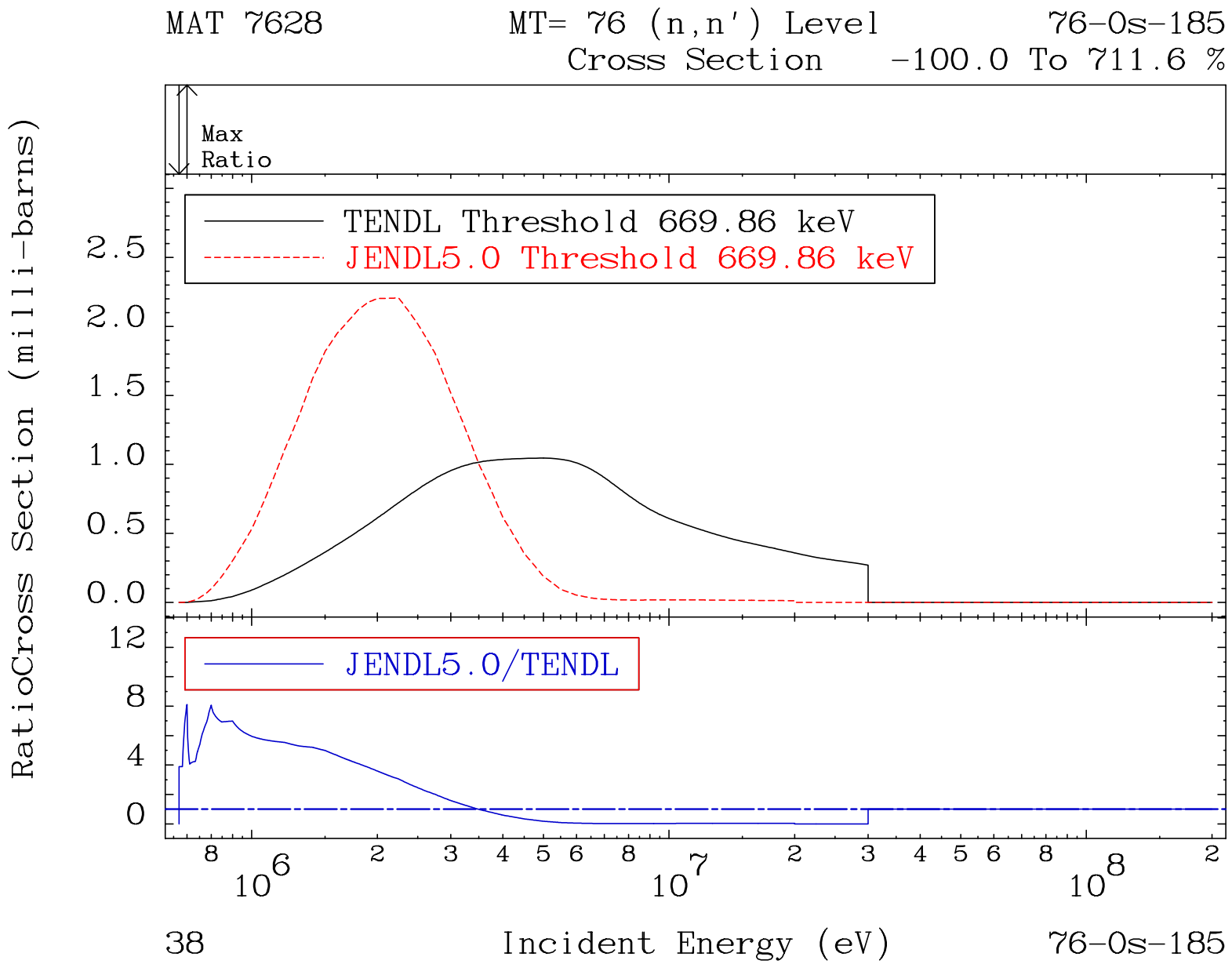

MAT 7628
MT= 71 (n,n') Level
76-0s-185
Cross Section
-100.0 To 351.5 %
Max
Ratio
TENDL Threshold 602.27 keV
JENDL5.0 Threshold 602.27 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
6
4
2
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
76-0s-185

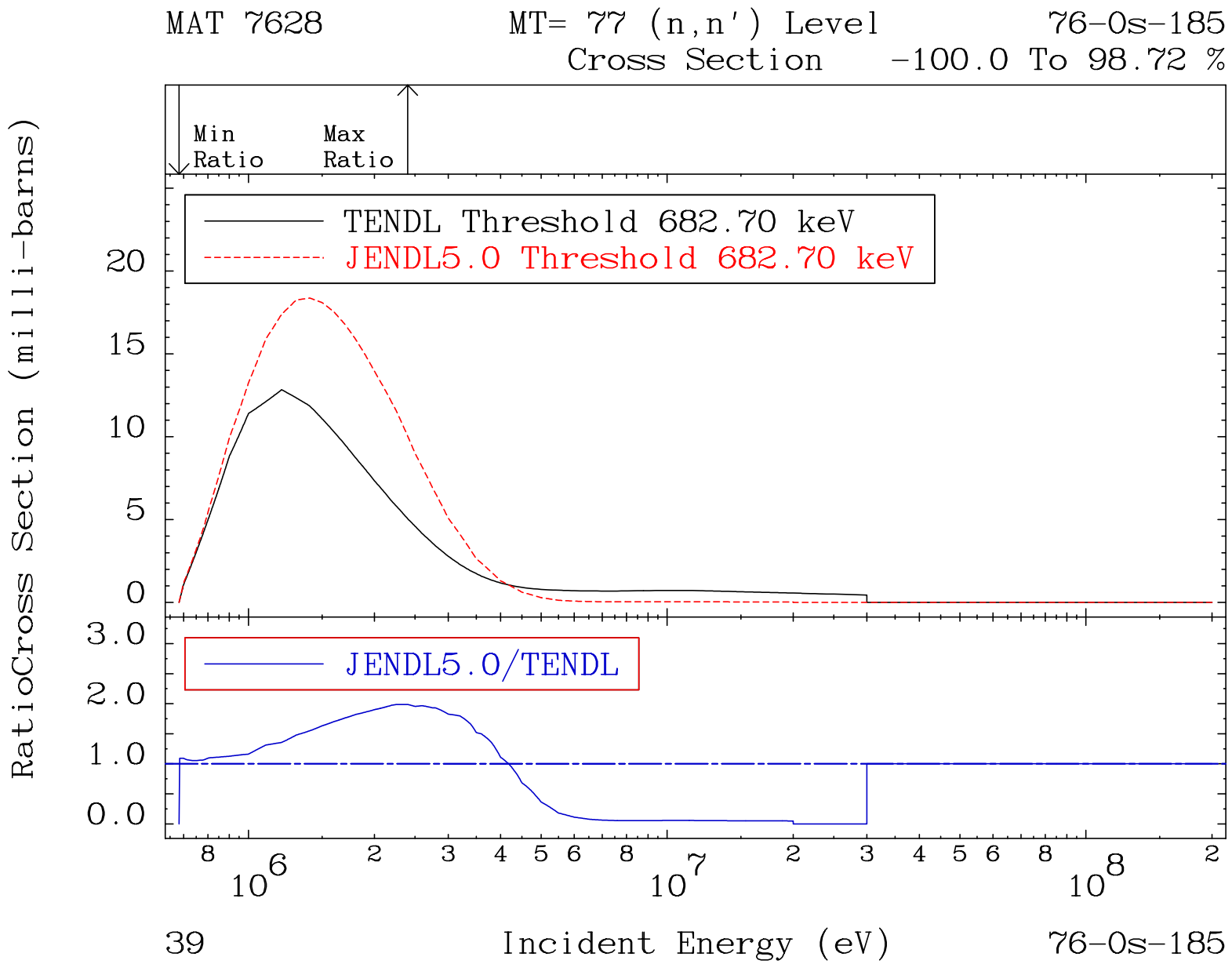

MAT 7628
MT= 72 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 630.12 keV
JENDL5.0 Threshold 630.12 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
76-0s-185

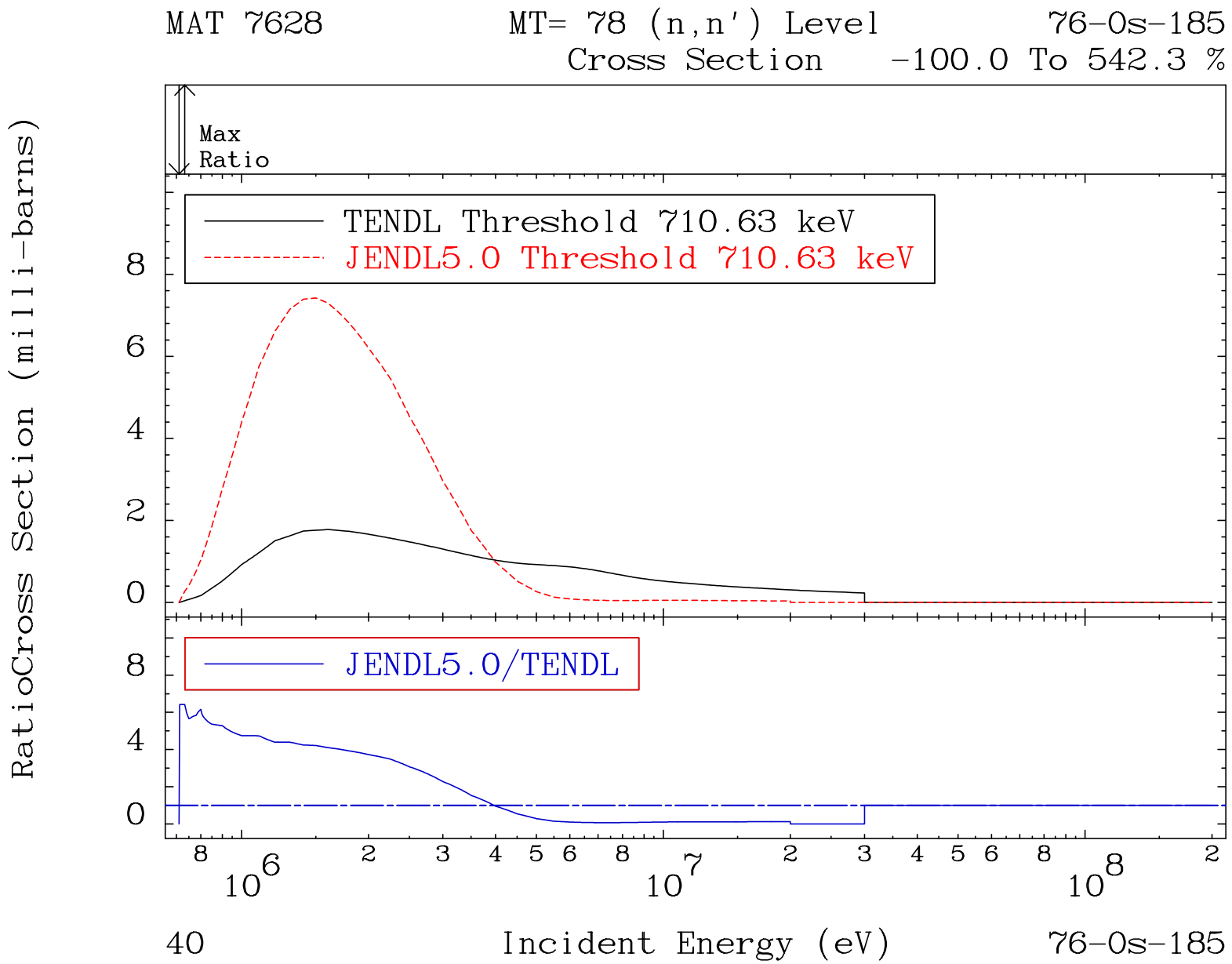

MAT 7628
MT= 73 (n,n') Level
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 645.74 keV
JENDL5.0 Threshold 645.74 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
120
80
40
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
76-0s-185

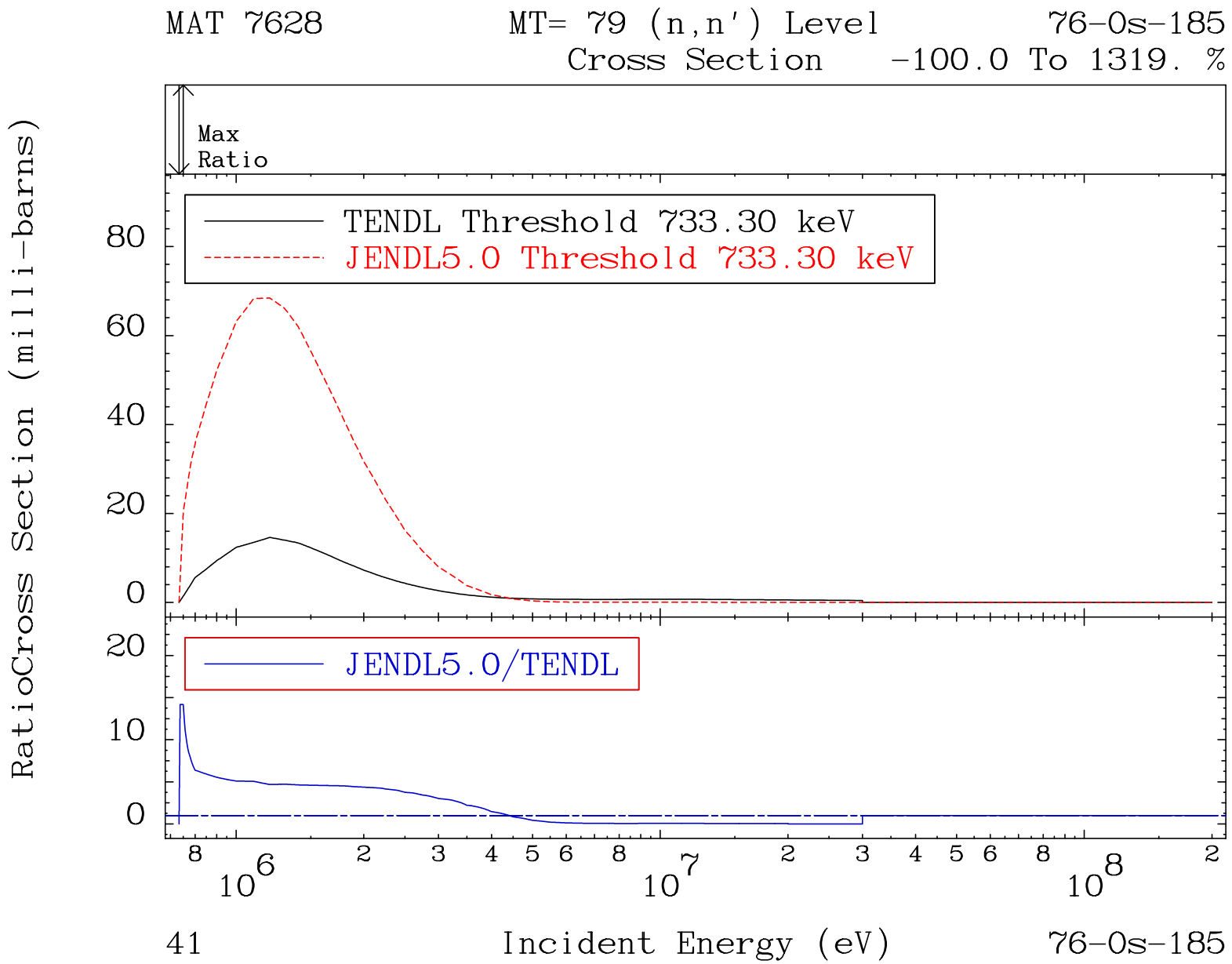

MAT 7628
MT= 74 (n,n') Level
76-0s-185
Cross Section
-100.0 To 266.9 %
Max
Ratio
TENDL Threshold 649.80 keV
JENDL5.0 Threshold 649.80 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
2
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
36
Incident Energy (eV)
76-0s-185

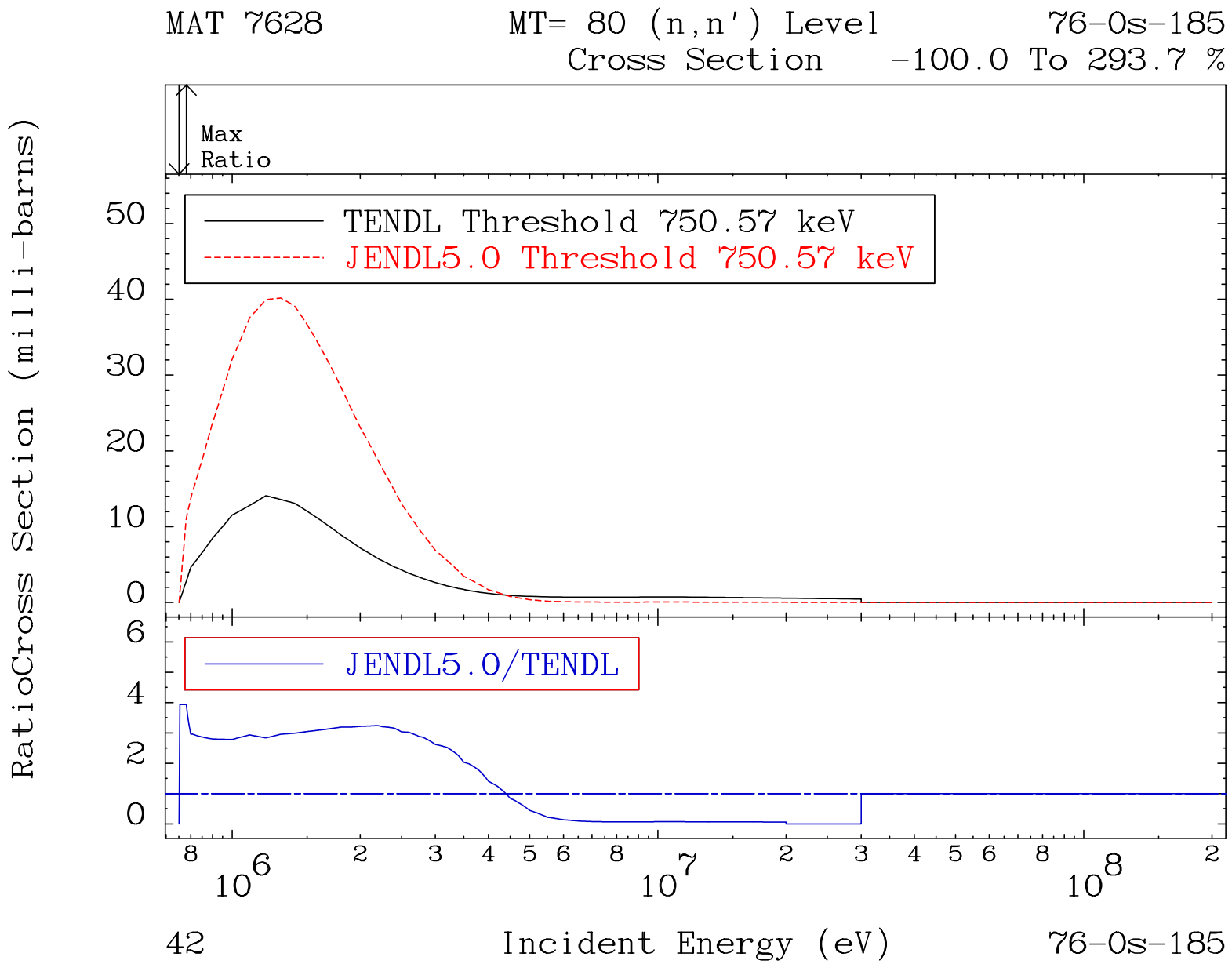

MAT 7628
MT= 75 (n,n') Level
76-0s-185
Cross Section
-100.0 To 715.8 %
Max
Ratio
TENDL Threshold 663.86 keV
JENDL5.0 Threshold 663.86 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
8
4
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
37
Incident Energy (eV)
76-0s-185

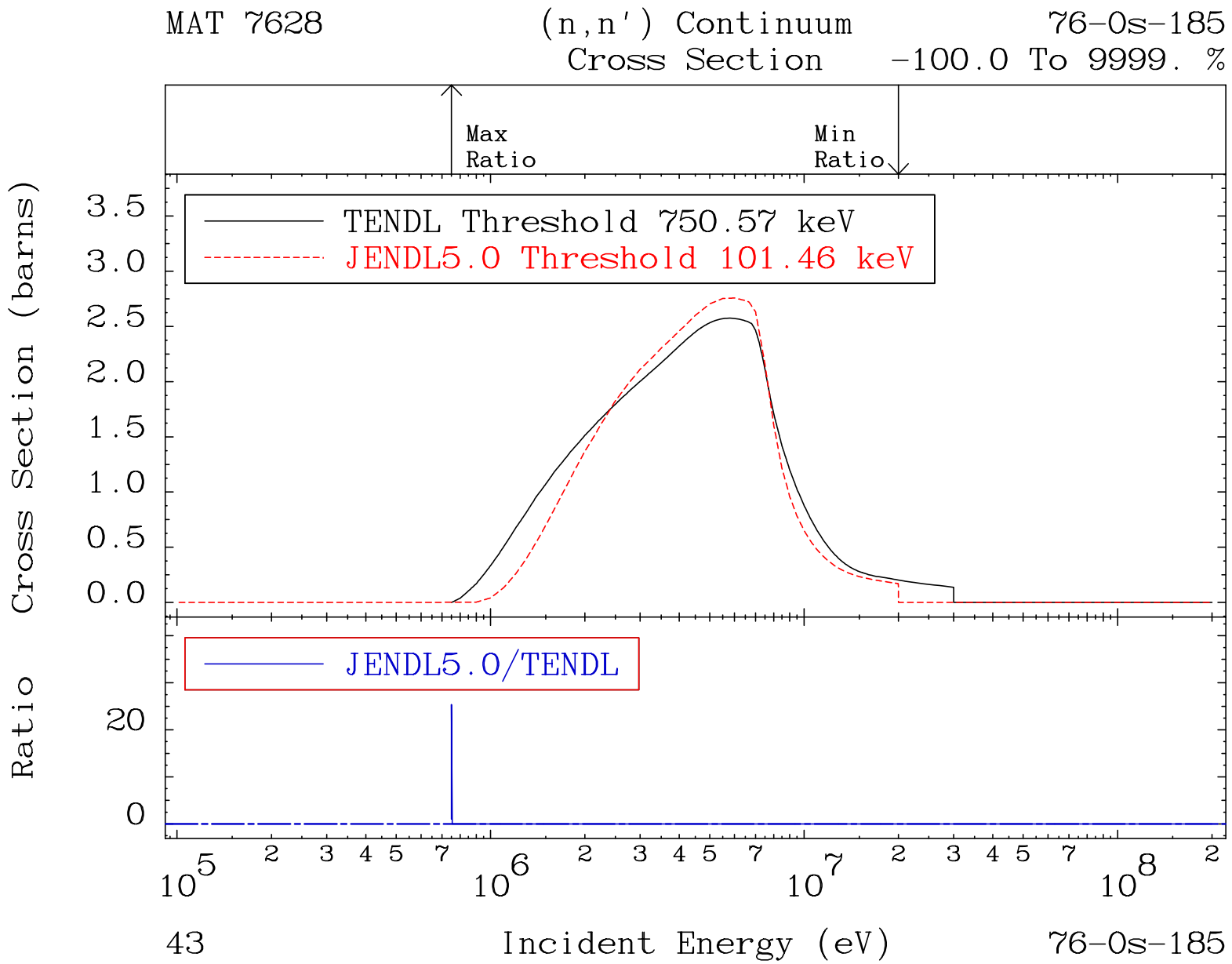

MAT 7628
MT= 76 (n,n') Level
76-0s-185
Cross Section
-100.0 To 711.6 %
Max
Ratio
TENDL Threshold 669.86 keV
JENDL5.0 Threshold 669.86 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
8
4
0
8
2
3
4
5
6
8
10^6
10^7
10^8
38
Incident Energy (eV)
76-0s-185

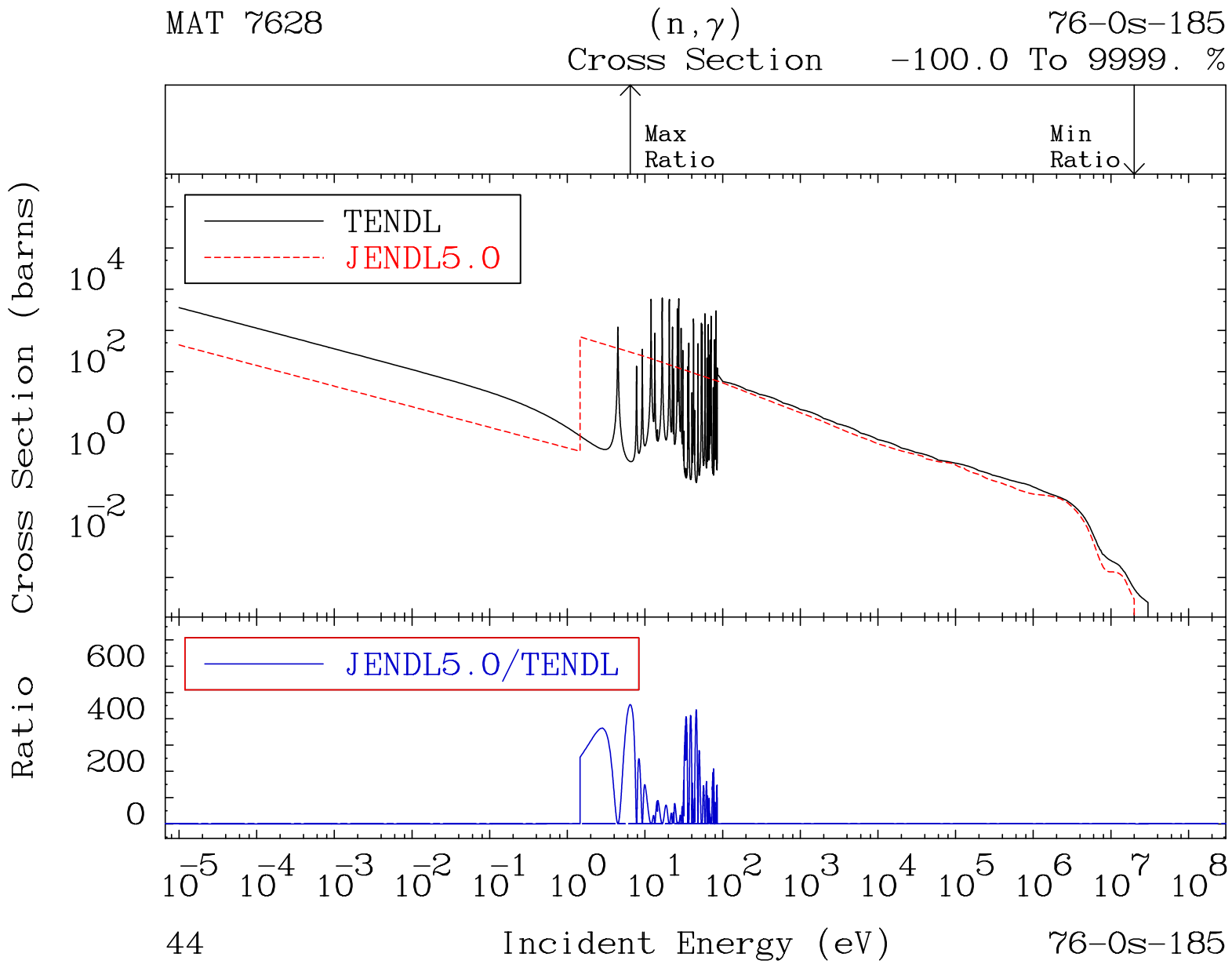

MAT 7628
MT= 77 (n,n') Level
76-0s-185
Cross Section
-100.0 To 98.72 %
Min Ratio
Max Ratio
TENDL Threshold 682.70 keV
JENDL5.0 Threshold 682.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
39
Incident Energy (eV)
76-0s-185

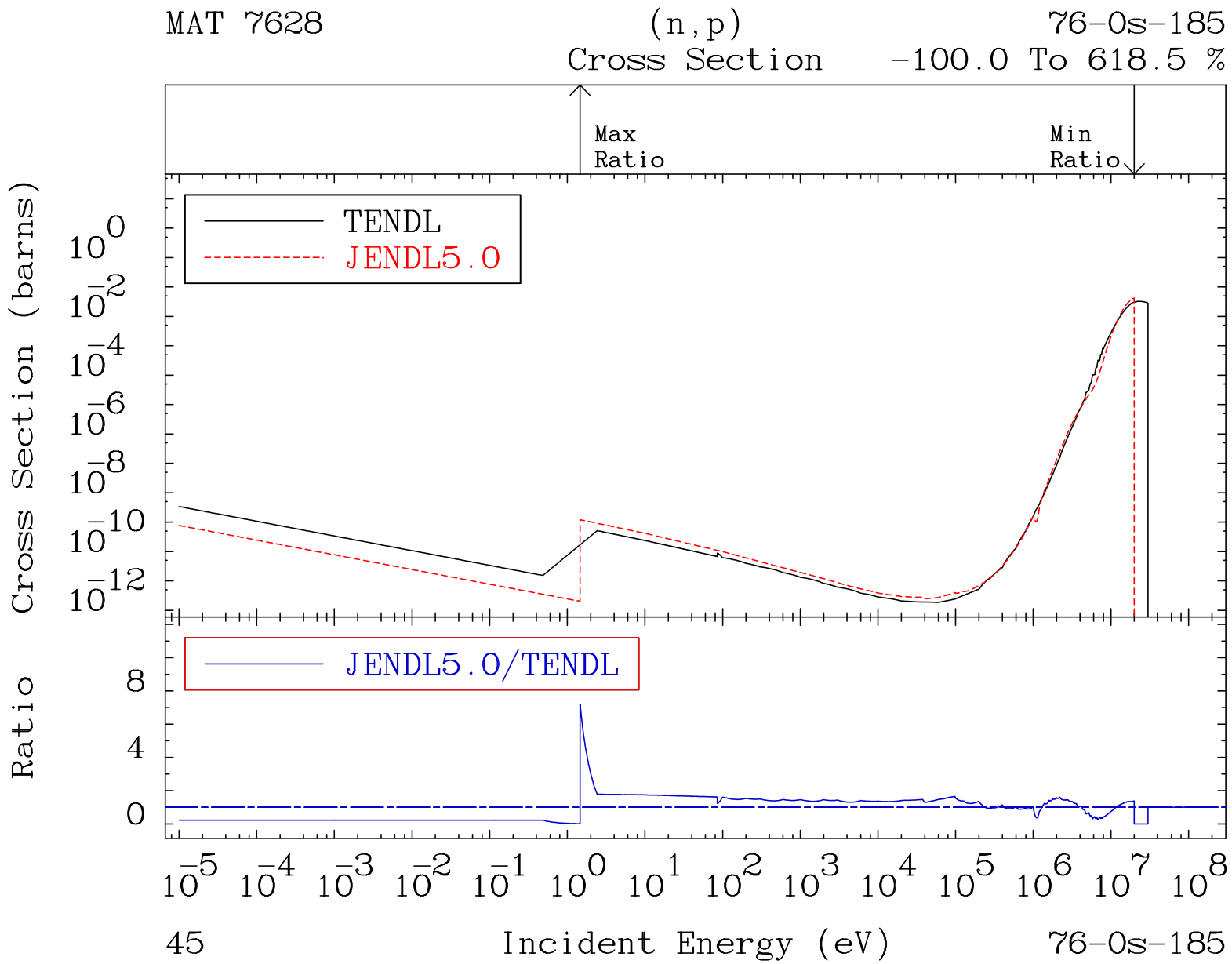

MAT 7628
MT= 78 (n,n') Level
76-0s-185
Cross Section
-100.0 To 542.3 %
Max
Ratio
TENDL Threshold 710.63 keV
JENDL5.0 Threshold 710.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
76-0s-185

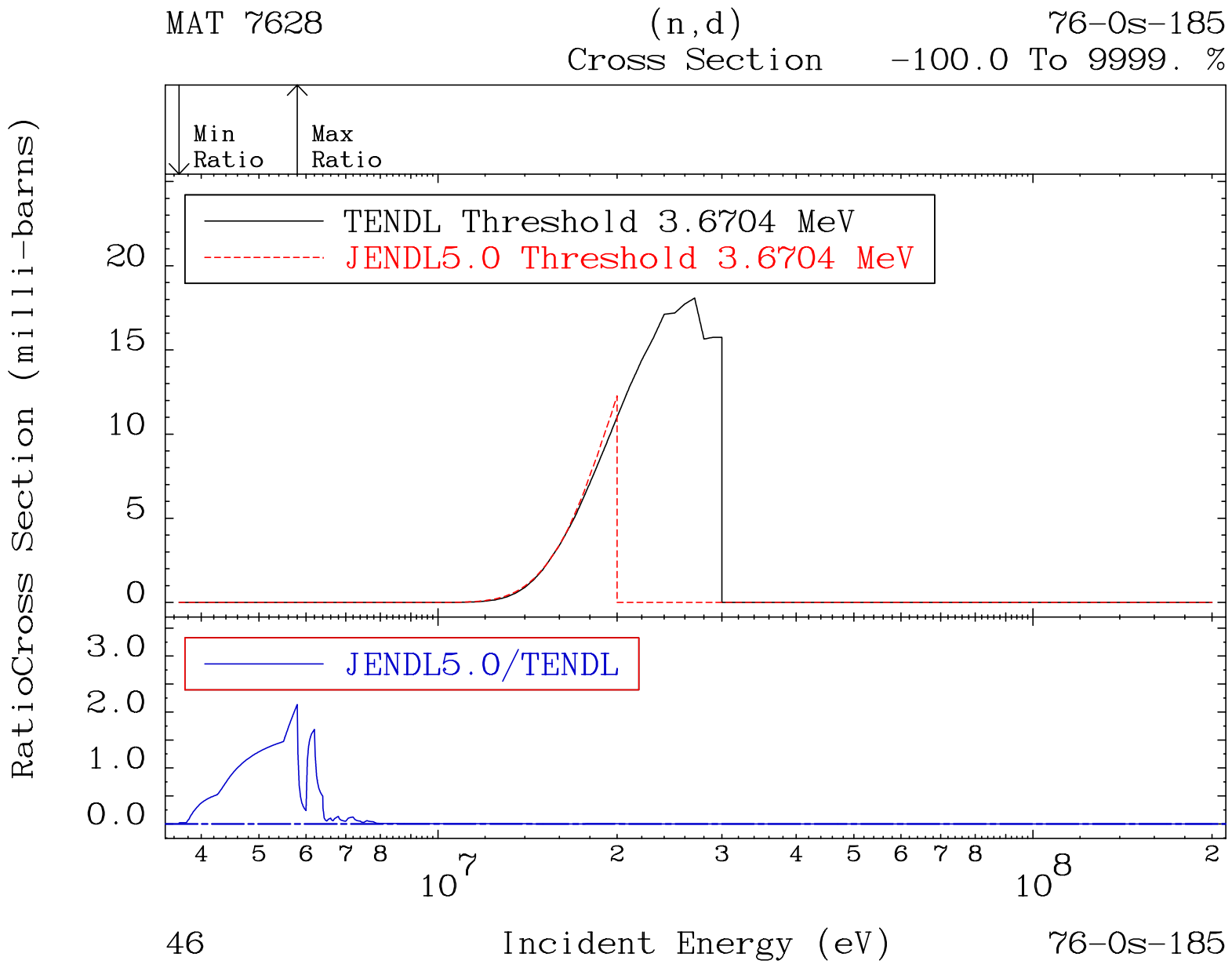

MAT 7628
MT= 79 (n,n') Level
76-0s-185
Cross Section -100.0 To 1319. %
Max
Ratio
TENDL Threshold 733.30 keV
JENDL5.0 Threshold 733.30 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
20
10
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
41
Incident Energy (eV)
76-0s-185

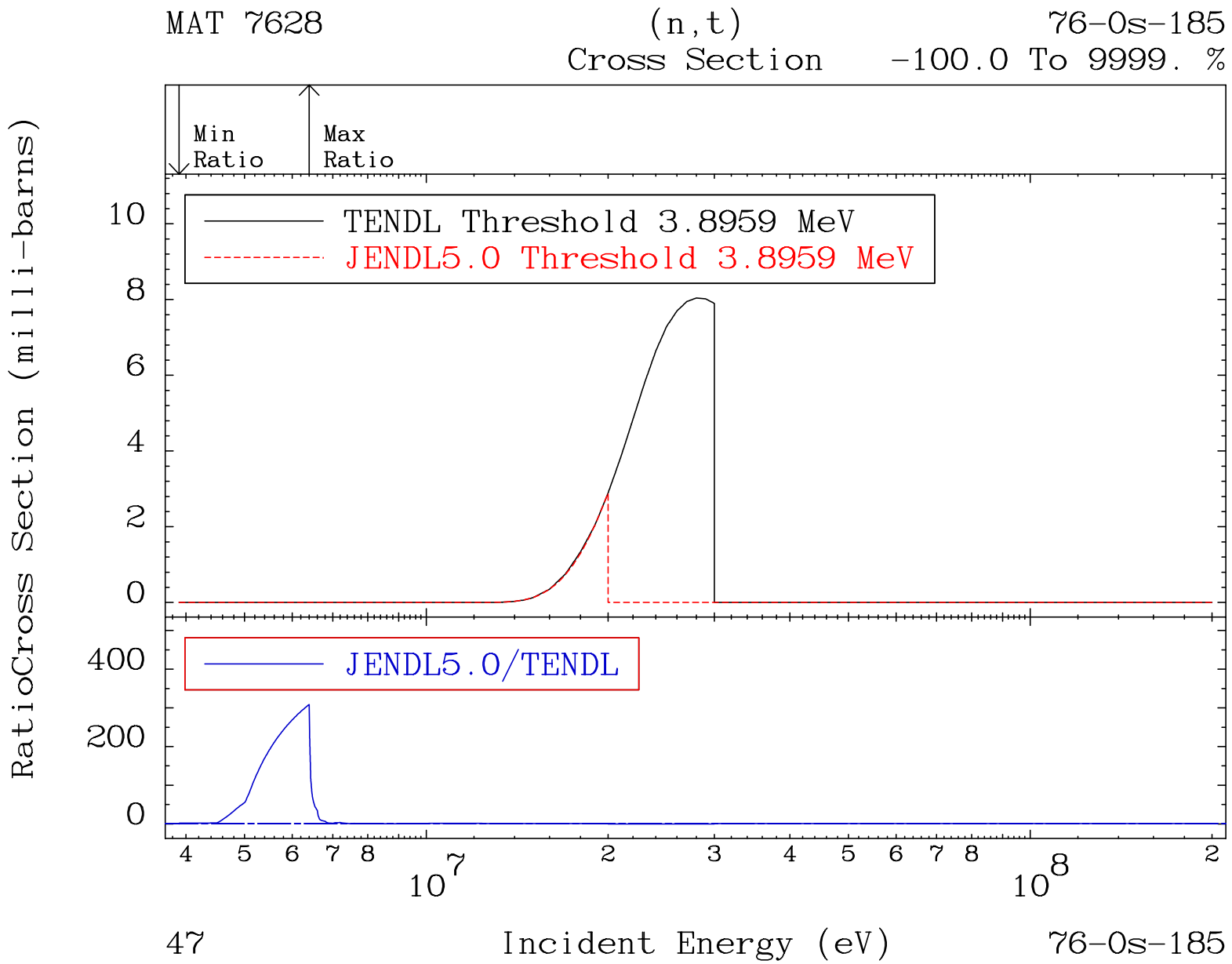

MAT 7628
MT= 80 (n,n') Level
76-0s-185
Cross Section
-100.0 To 293.7 %
Max
Ratio
TENDL Threshold 750.57 keV
JENDL5.0 Threshold 750.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
6
4
2
0
8
2
3
4
5
6
8
10^6
10^7
10^8
42
Incident Energy (eV)
76-0s-185

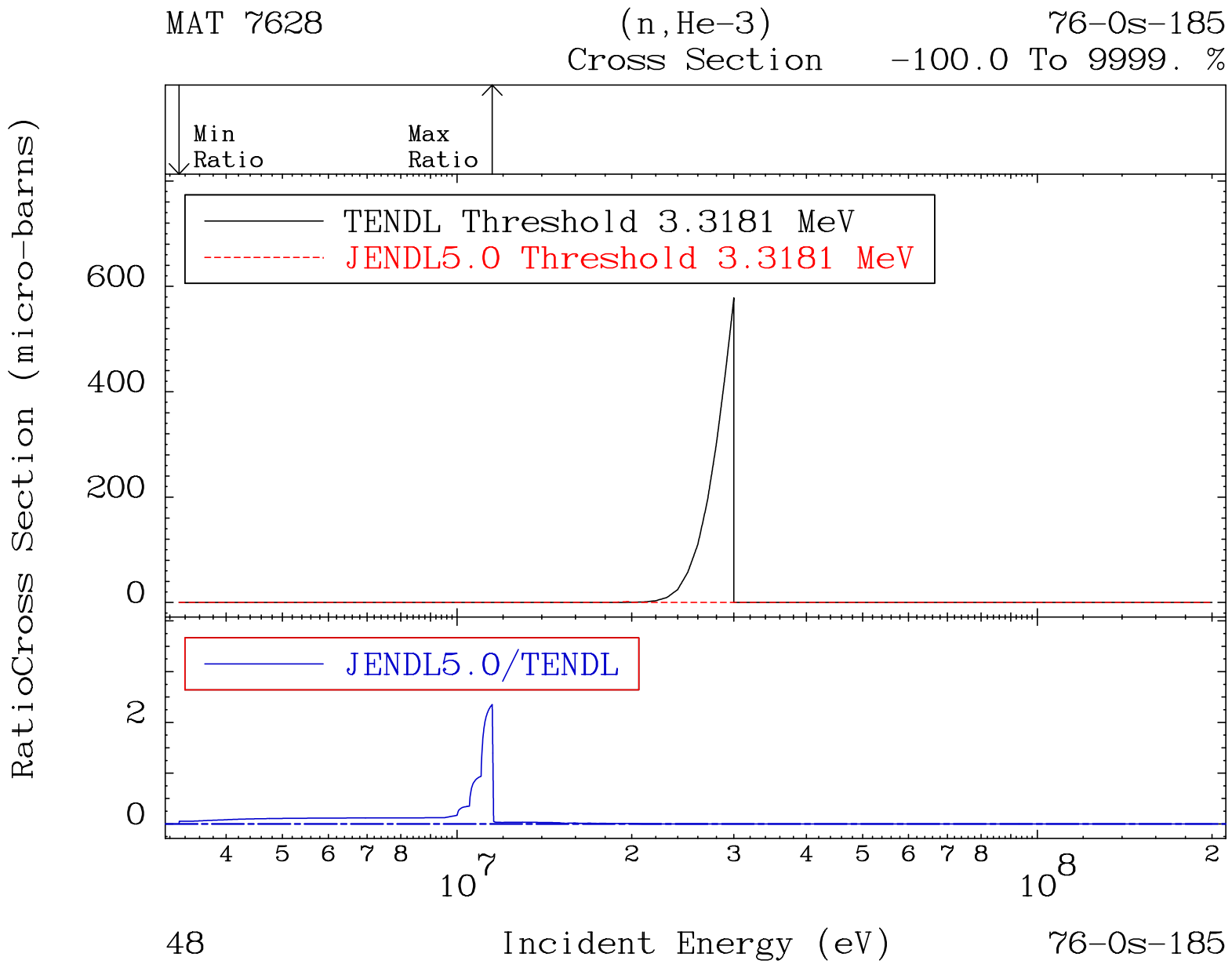

MAT 7628
(n,n') Continuum
Cross Section
76-0s-185
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 750.57 keV
JENDL5.0 Threshold 101.46 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
20
0
10^5
10^6
10^7
10^8
43
Incident Energy (eV)
76-0s-185

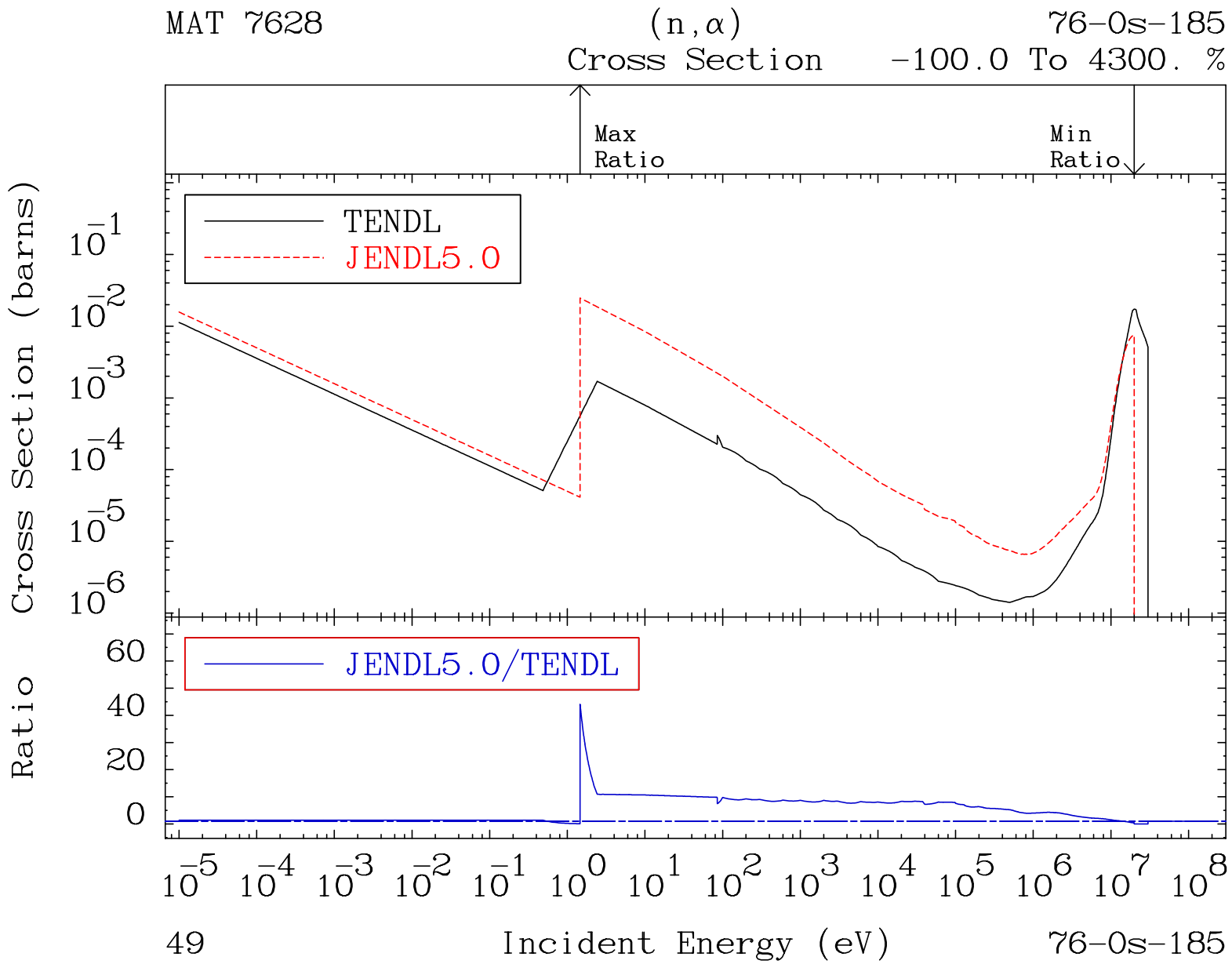

MAT 7628
(n,γ)
Cross Section
76-0s-185
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
600
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
44
Incident Energy (eV)
76-0s-185

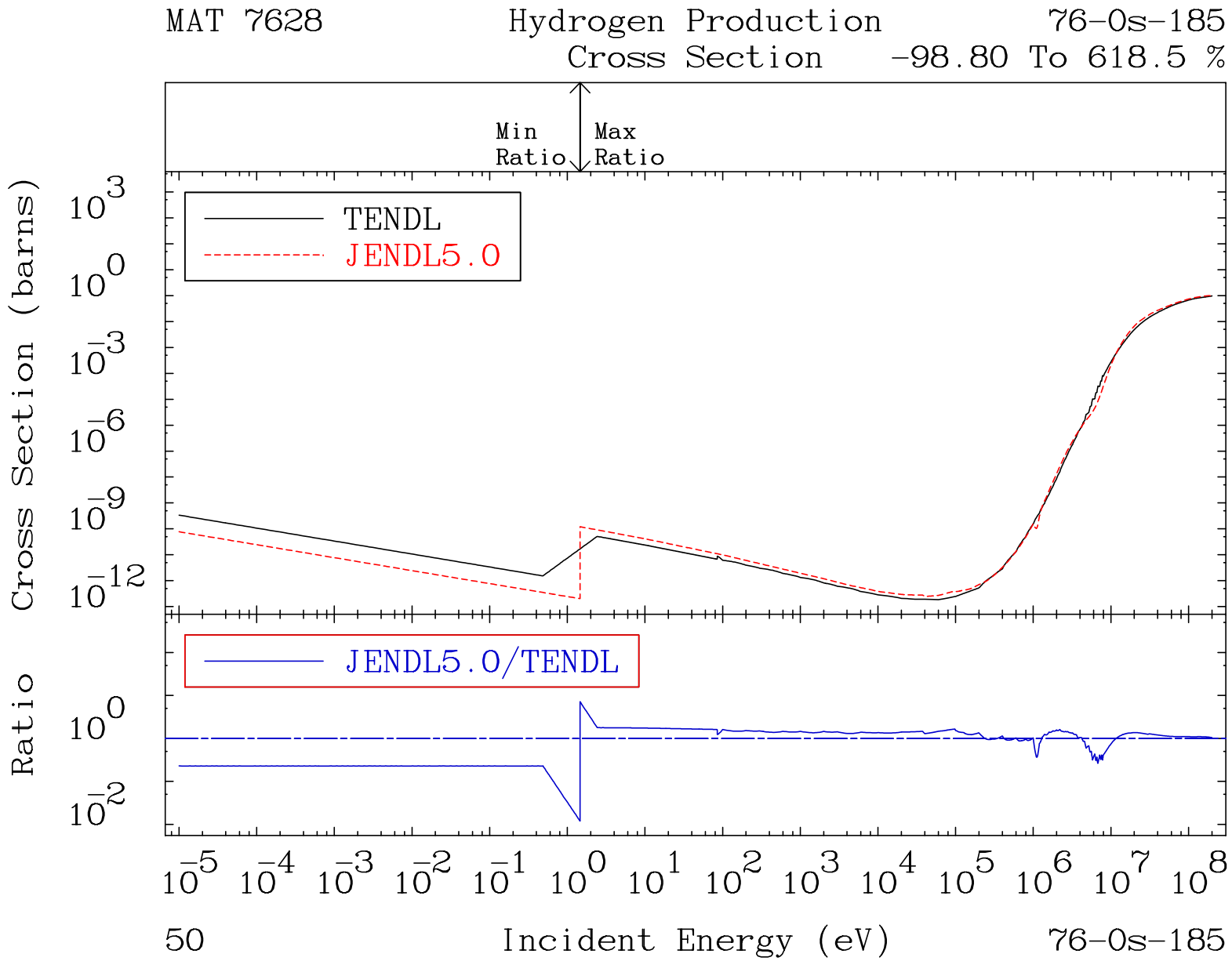

MAT 7628
(n,p)
76-0s-185
Cross Section
-100.0 To 618.5 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
76-0s-185

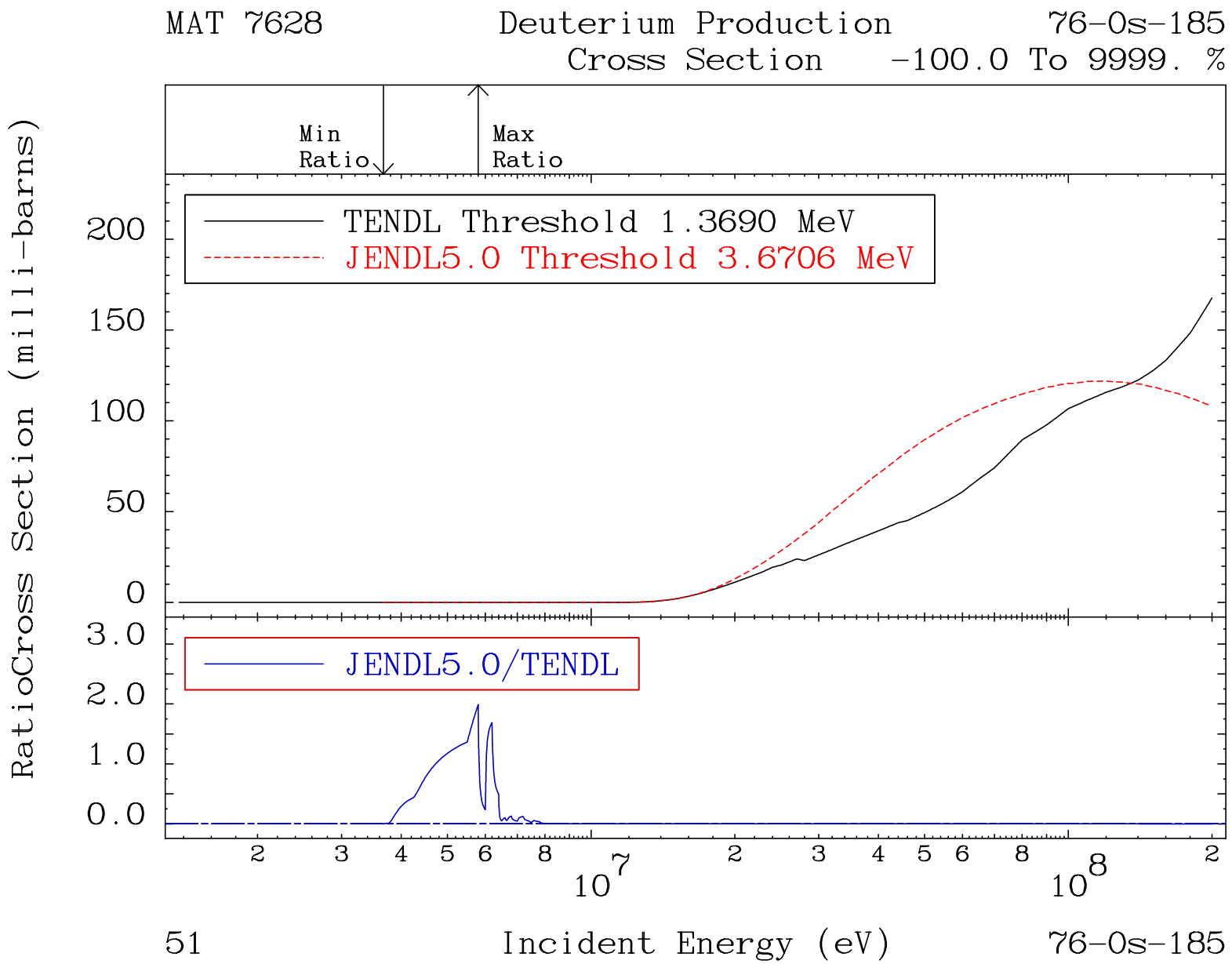

MAT 7628
(n,d)
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6704 MeV
JENDL5.0 Threshold 3.6704 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
76-0s-185

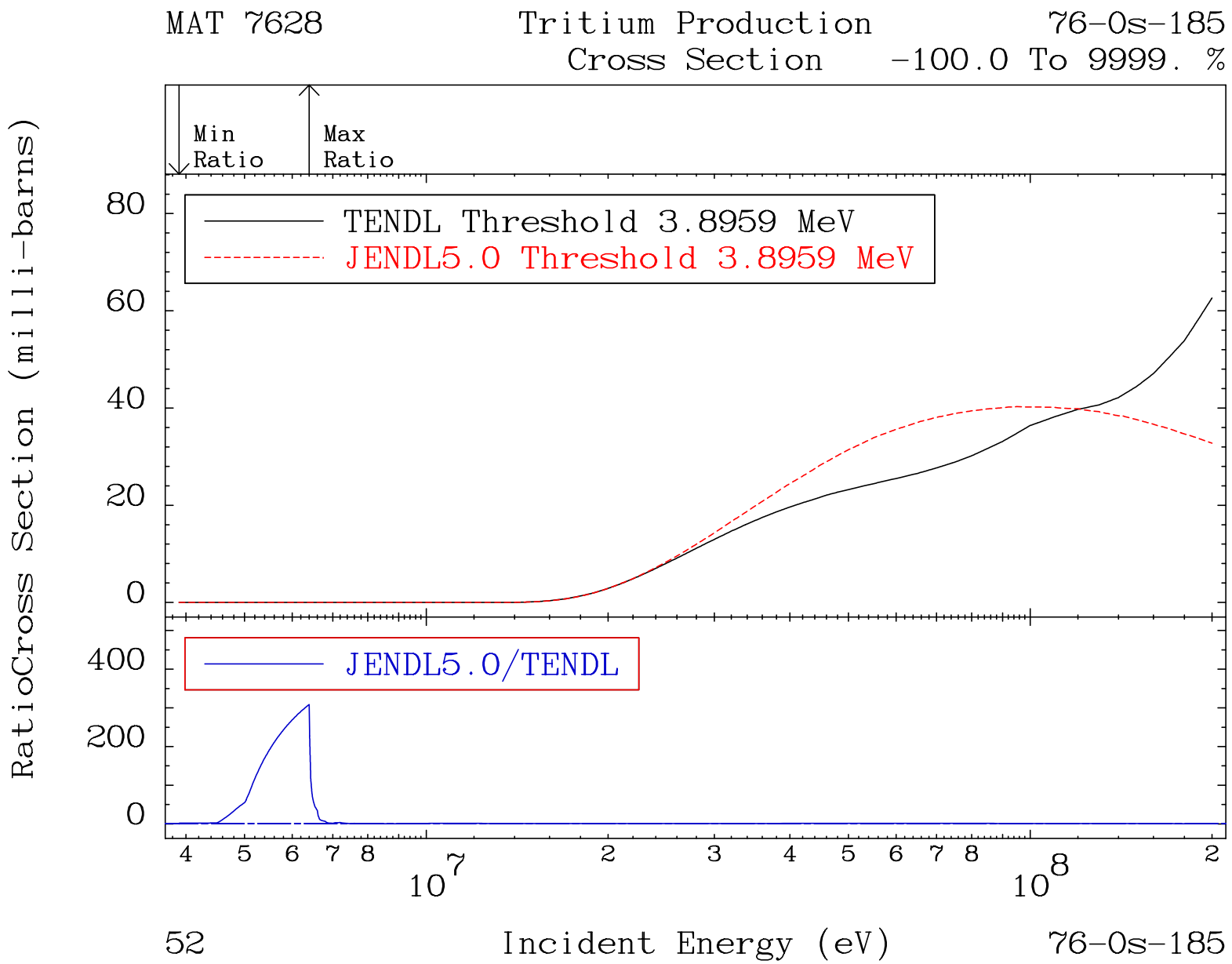

MAT 7628
(n,t)
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8959 MeV
JENDL5.0 Threshold 3.8959 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
400
200
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
76-0s-185

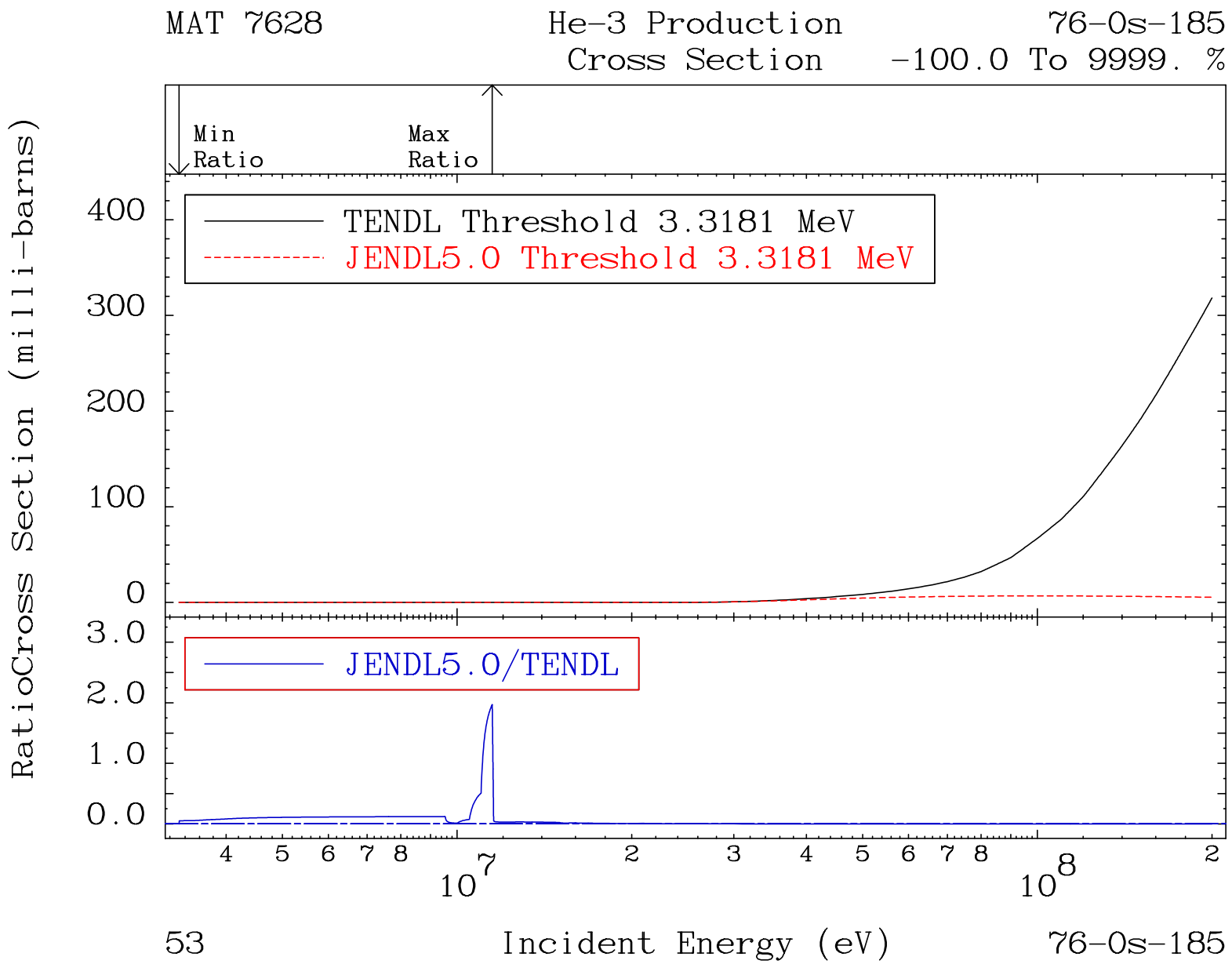

MAT 7628
(n,He-3)
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.3181 MeV
JENDL5.0 Threshold 3.3181 MeV
600
400
200
0
JENDL5.0/TENDL
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (micro-barns)
48
Incident Energy (eV)
76-0s-185

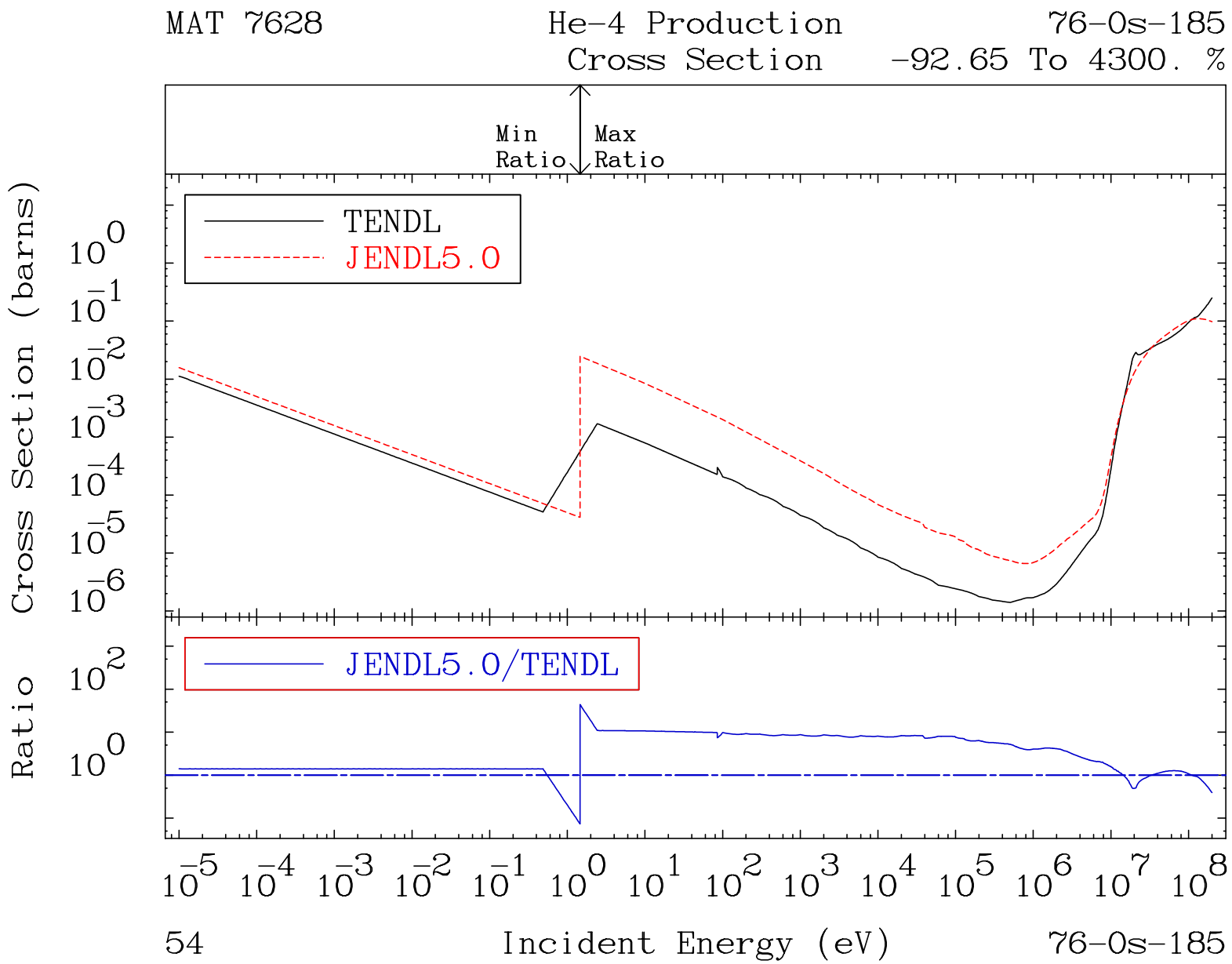

MAT 7628
(n,α)
76-0s-185
Cross Section
-100.0 To 4300. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
76-0s-185

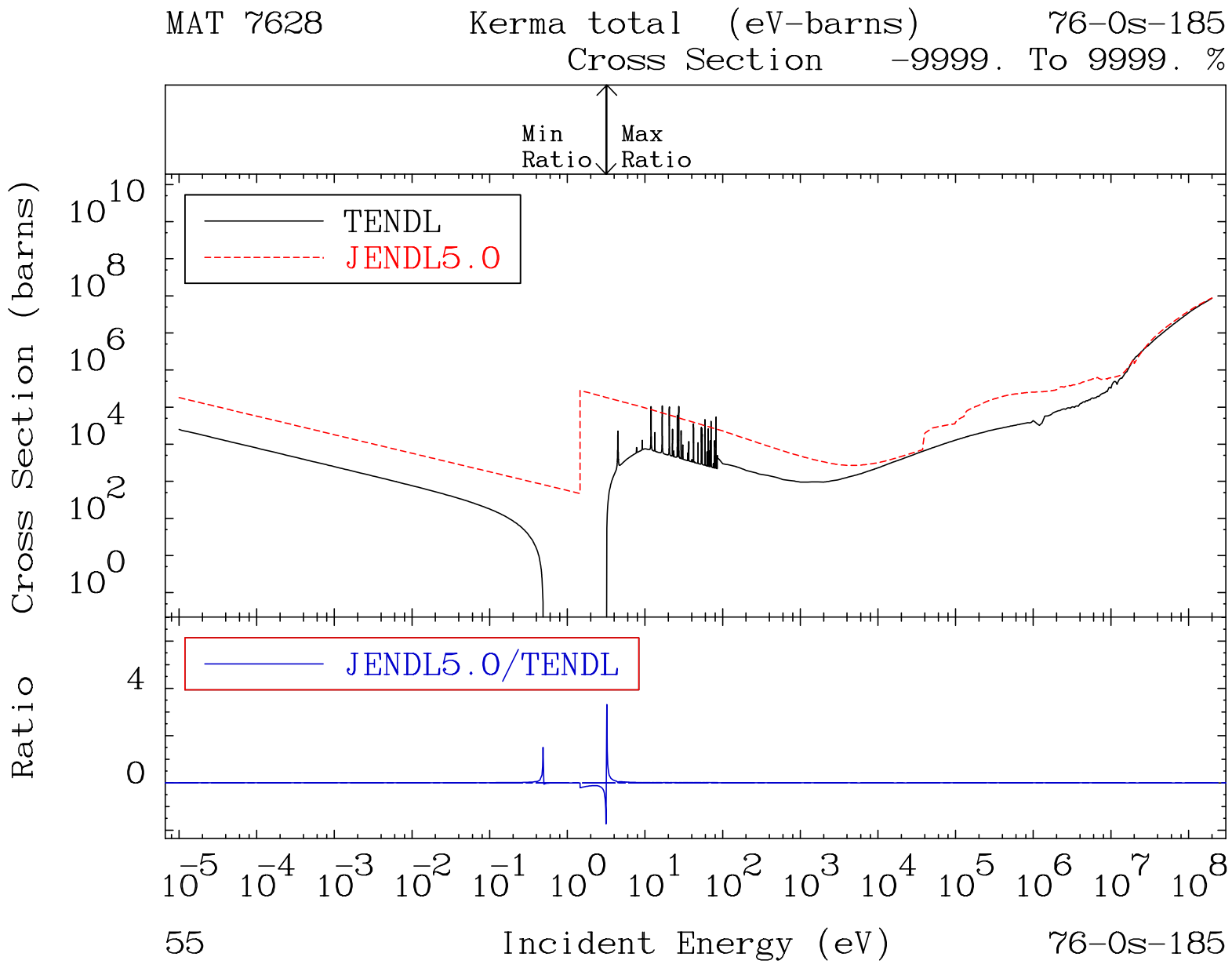

MAT 7628
Hydrogen Production
76-0s-185
Cross Section
-98.80 To 618.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
76-0s-185

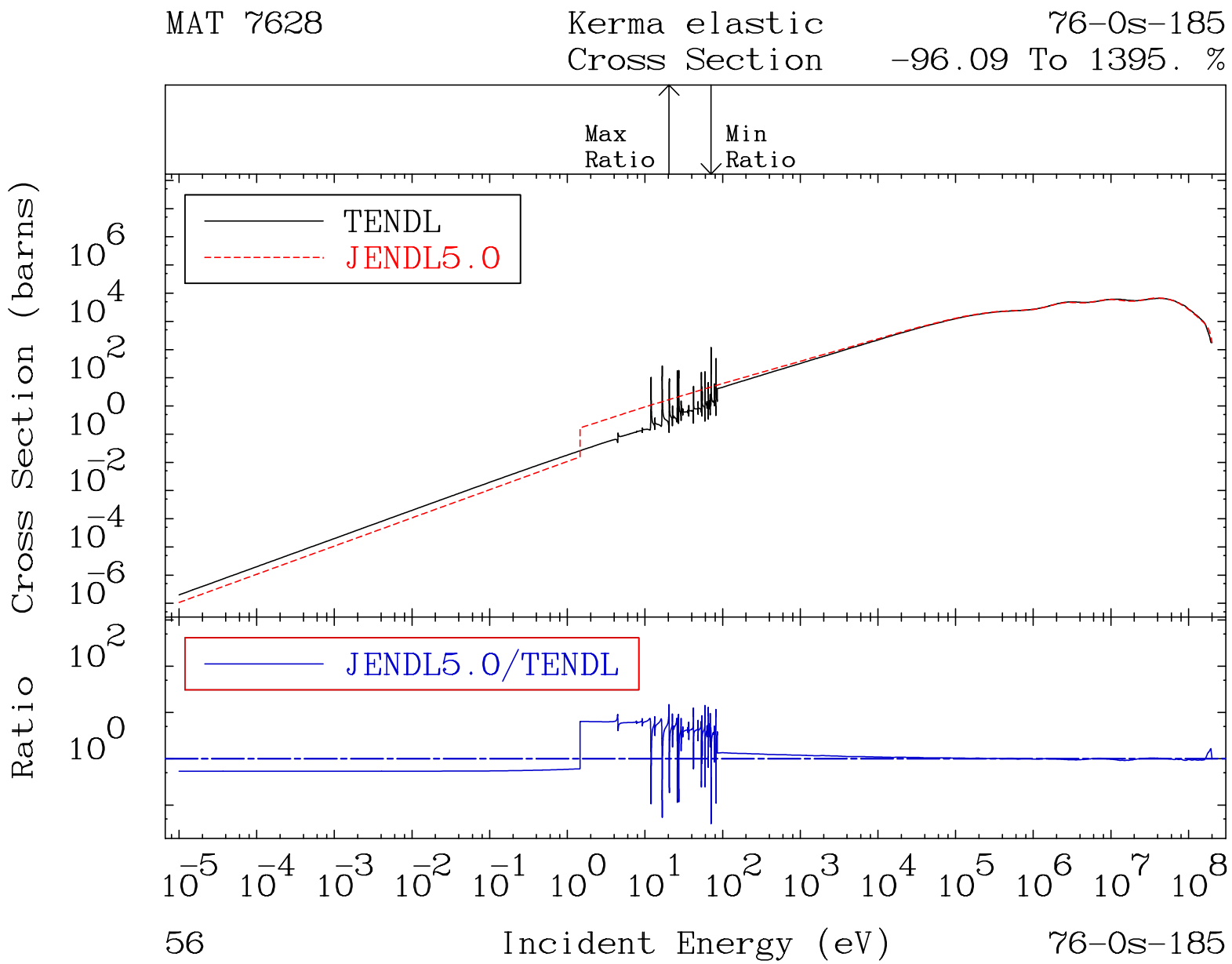

MAT 7628
Deuterium Production
76-0s-185
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3690 MeV
JENDL5.0 Threshold 3.6706 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
51
Incident Energy (eV)
76-0s-185

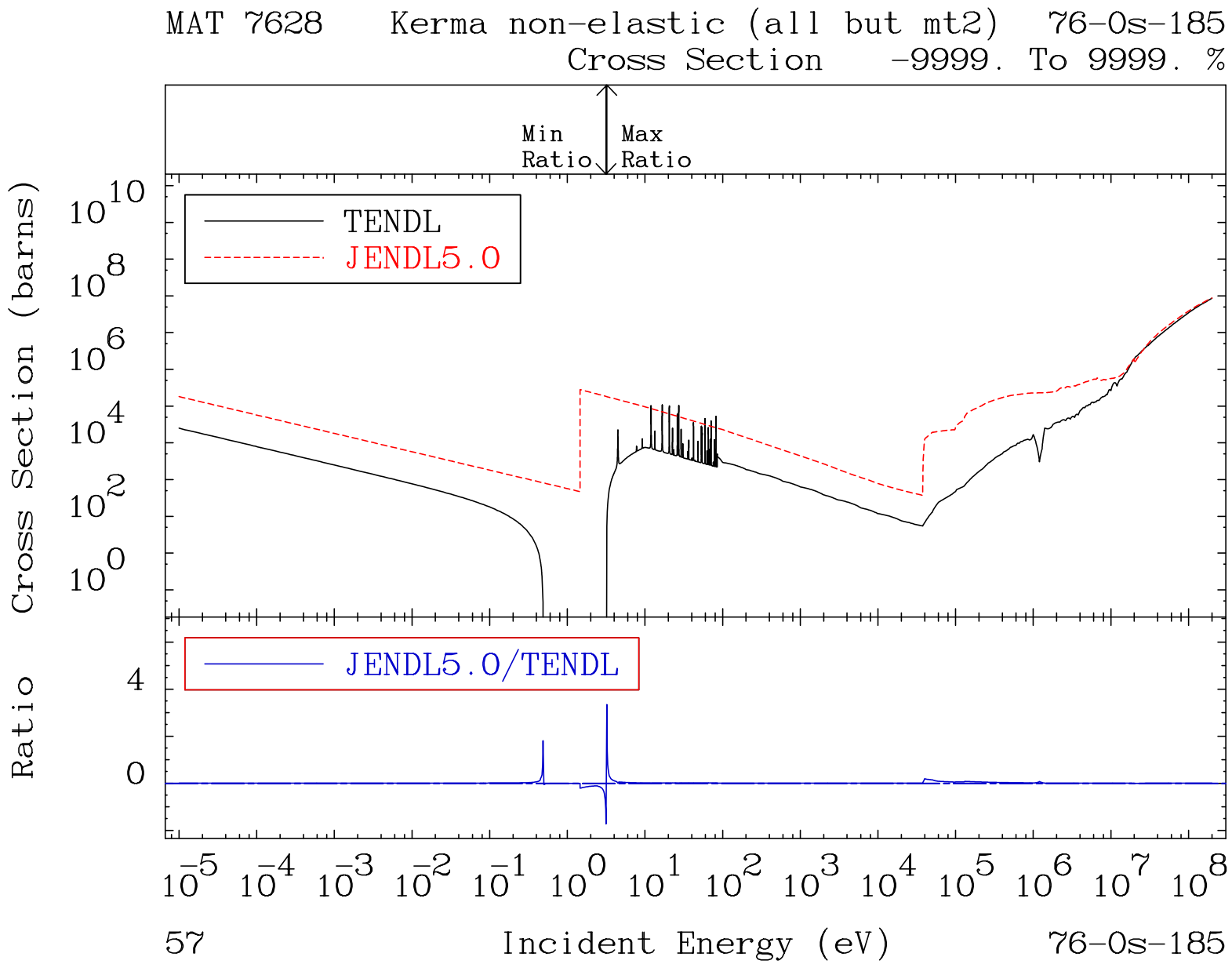

MAT 7628
Tritium Production
76-0s-185
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8959 MeV
JENDL5.0 Threshold 3.8959 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
52
Incident Energy (eV)
76-0s-185

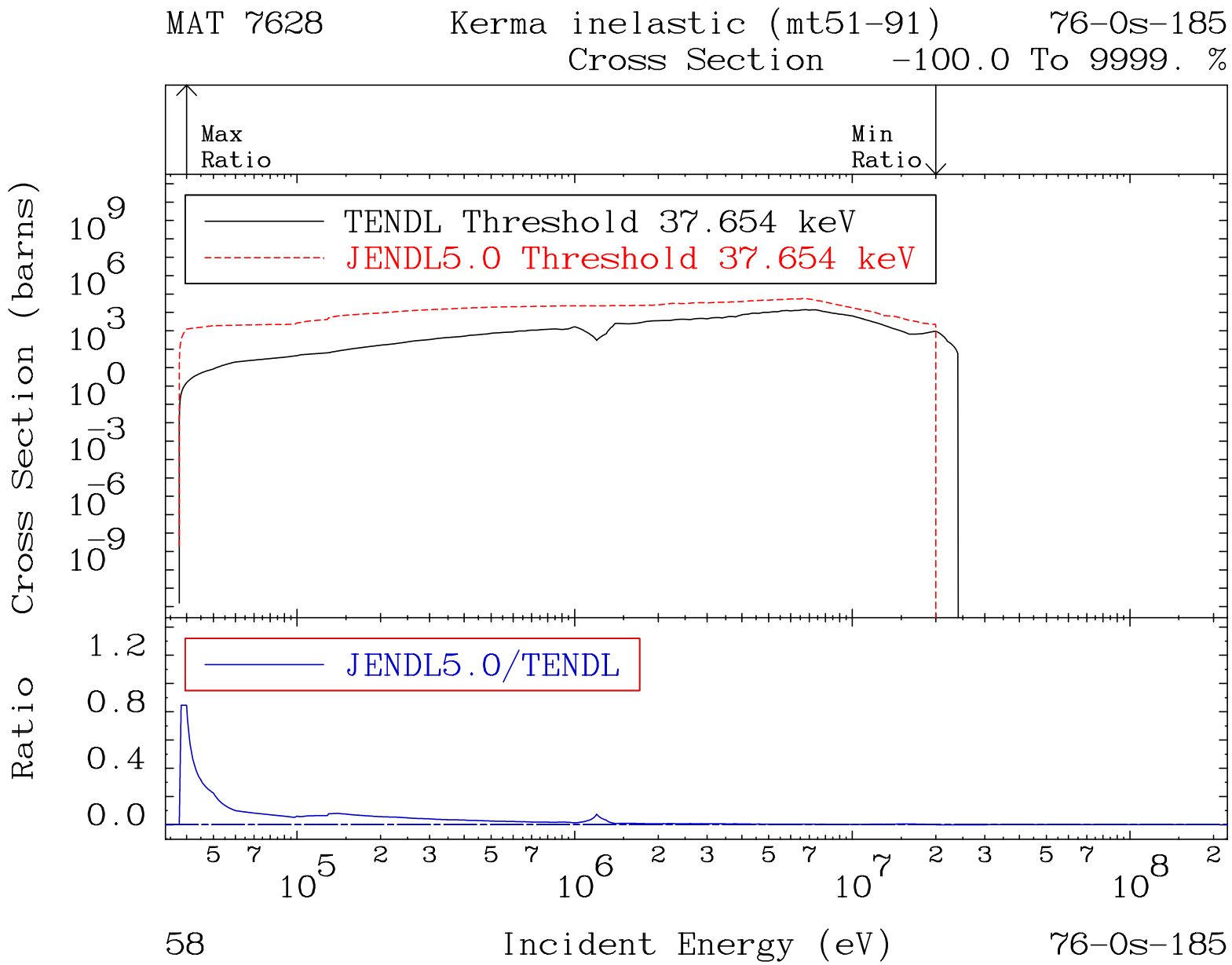

MAT 7628
He-3 Production
Cross Section
76-0s-185
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.3181 MeV
JENDL5.0 Threshold 3.3181 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
53
Incident Energy (eV)
76-0s-185

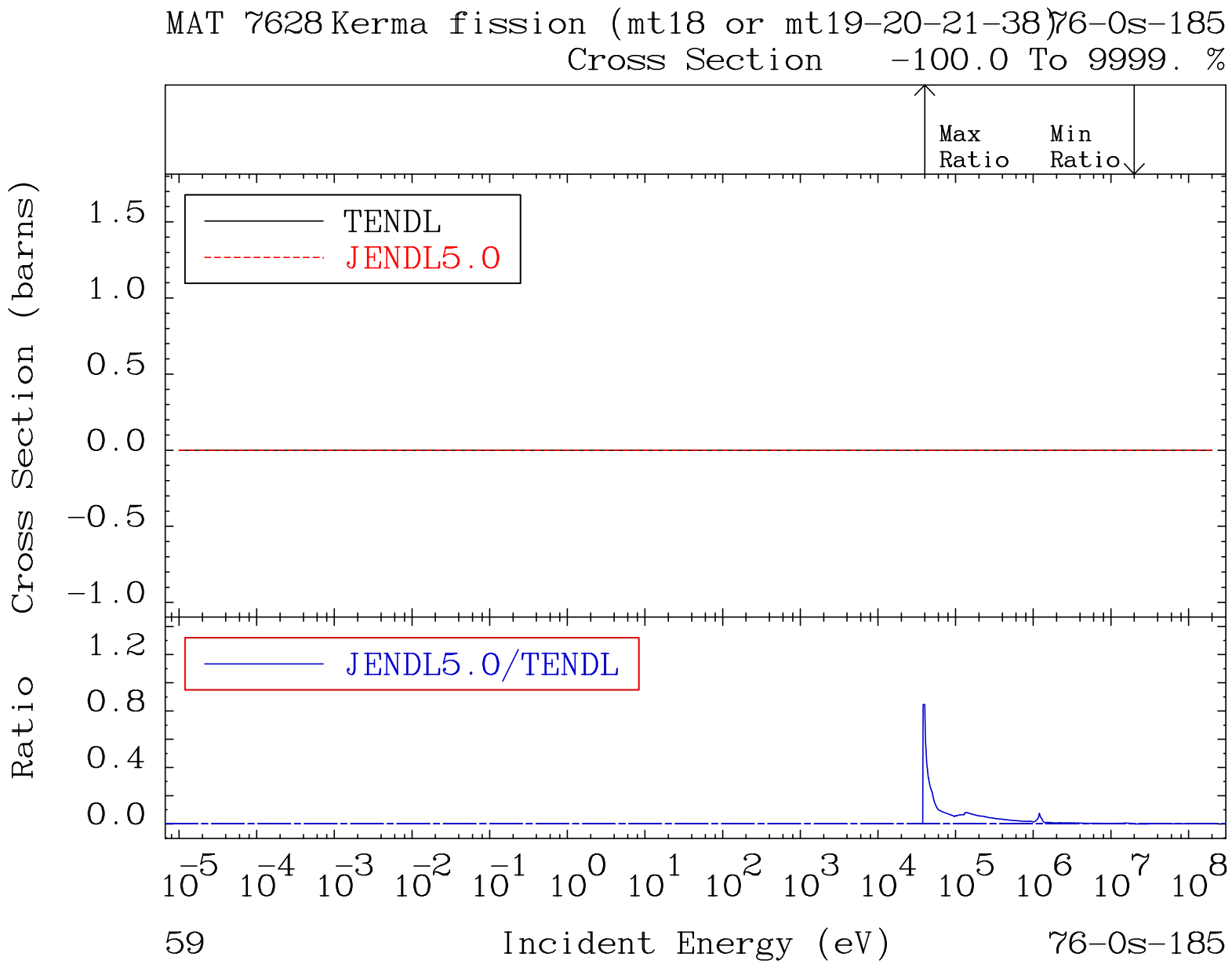

MAT 7628
He-4 Production
Cross Section
76-0s-185
-92.65 To 4300. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
76-0s-185

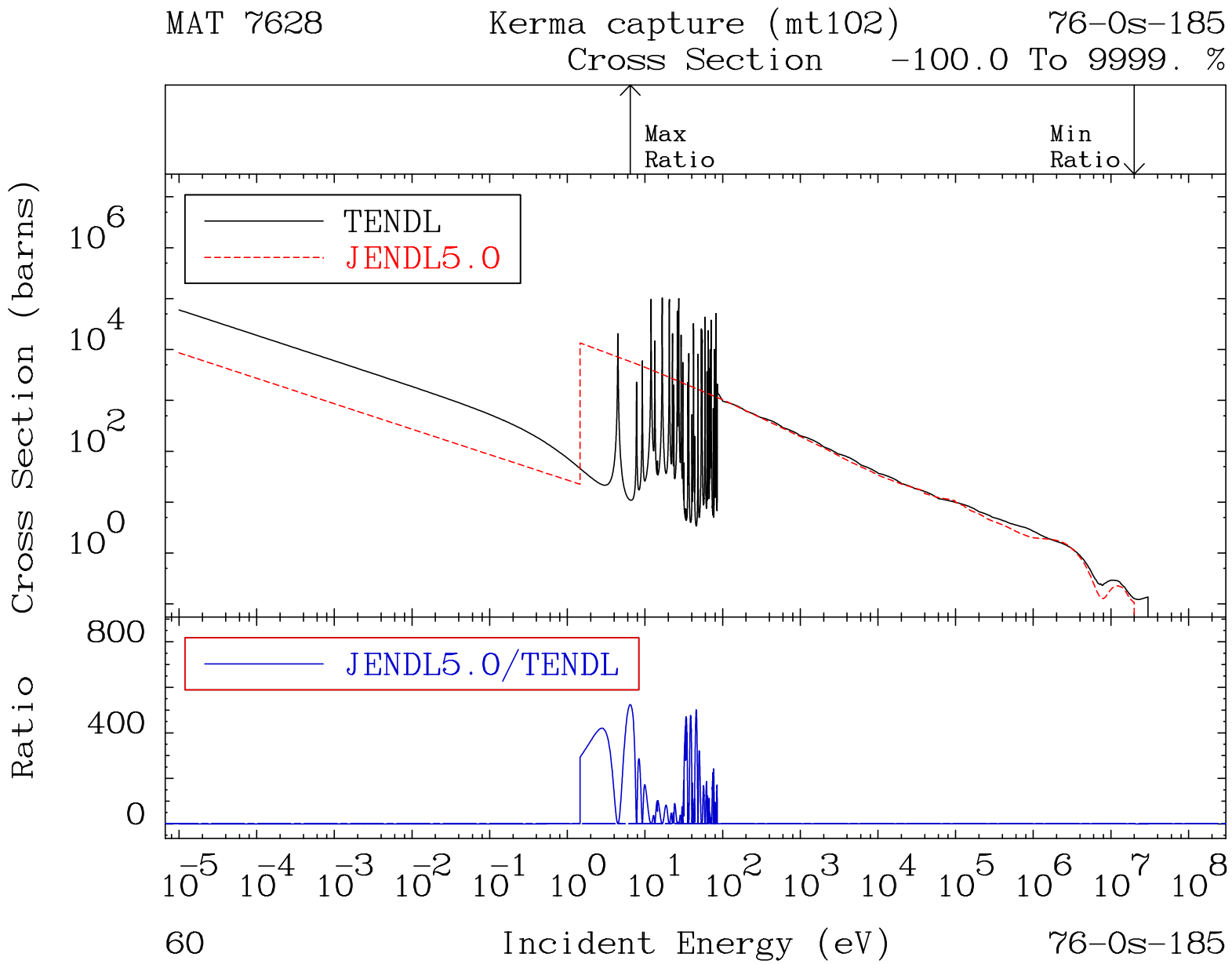

MAT 7628
Kerma total (eV-barns)
76-0s-185
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
76-0s-185

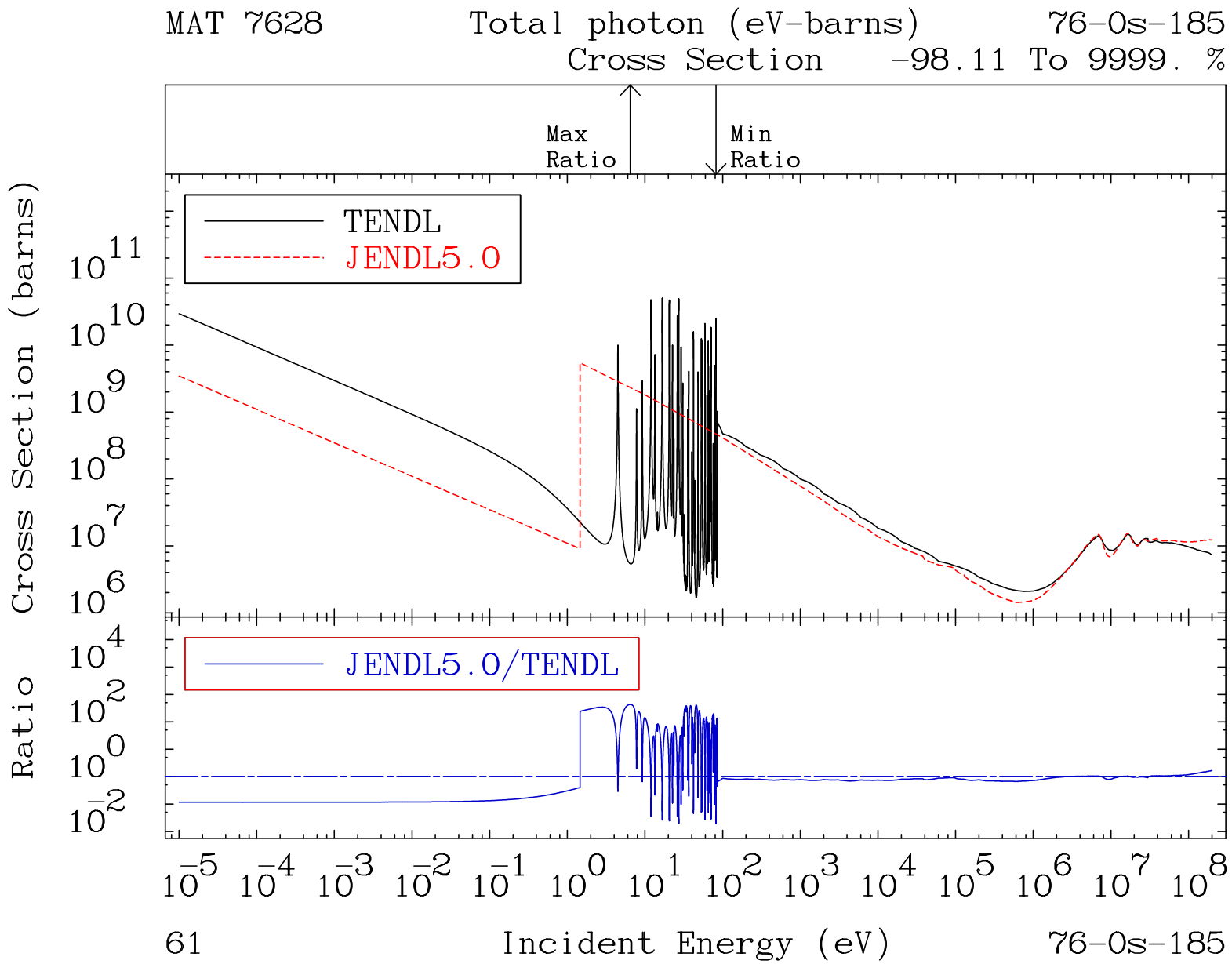

MAT 7628
Kerma elastic
Cross Section
76-0s-185
-96.09 To 1395. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
76-0s-185

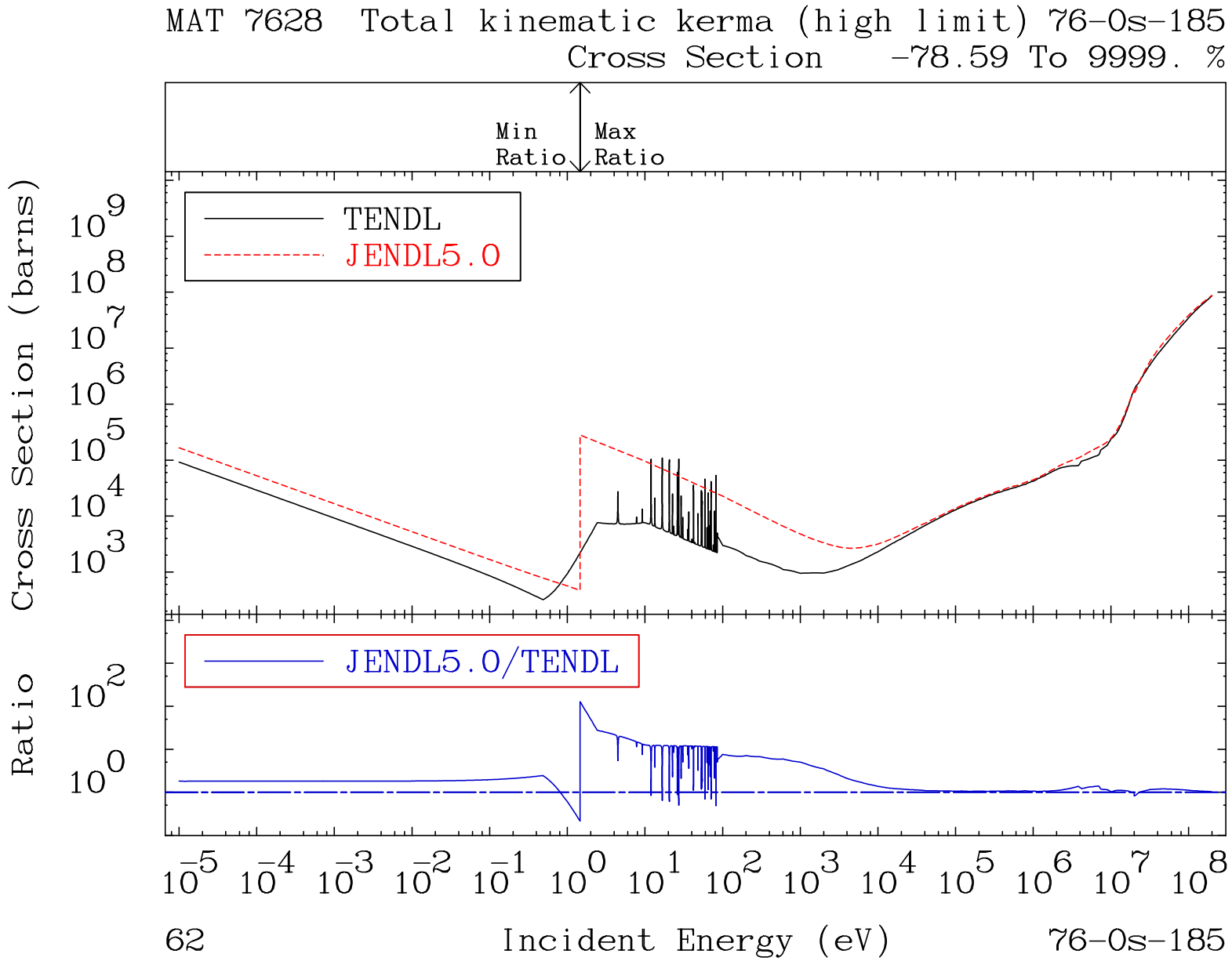

MAT 7628 Kerma non-elastic (all but mt2) 76-0s-185
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
76-0s-185

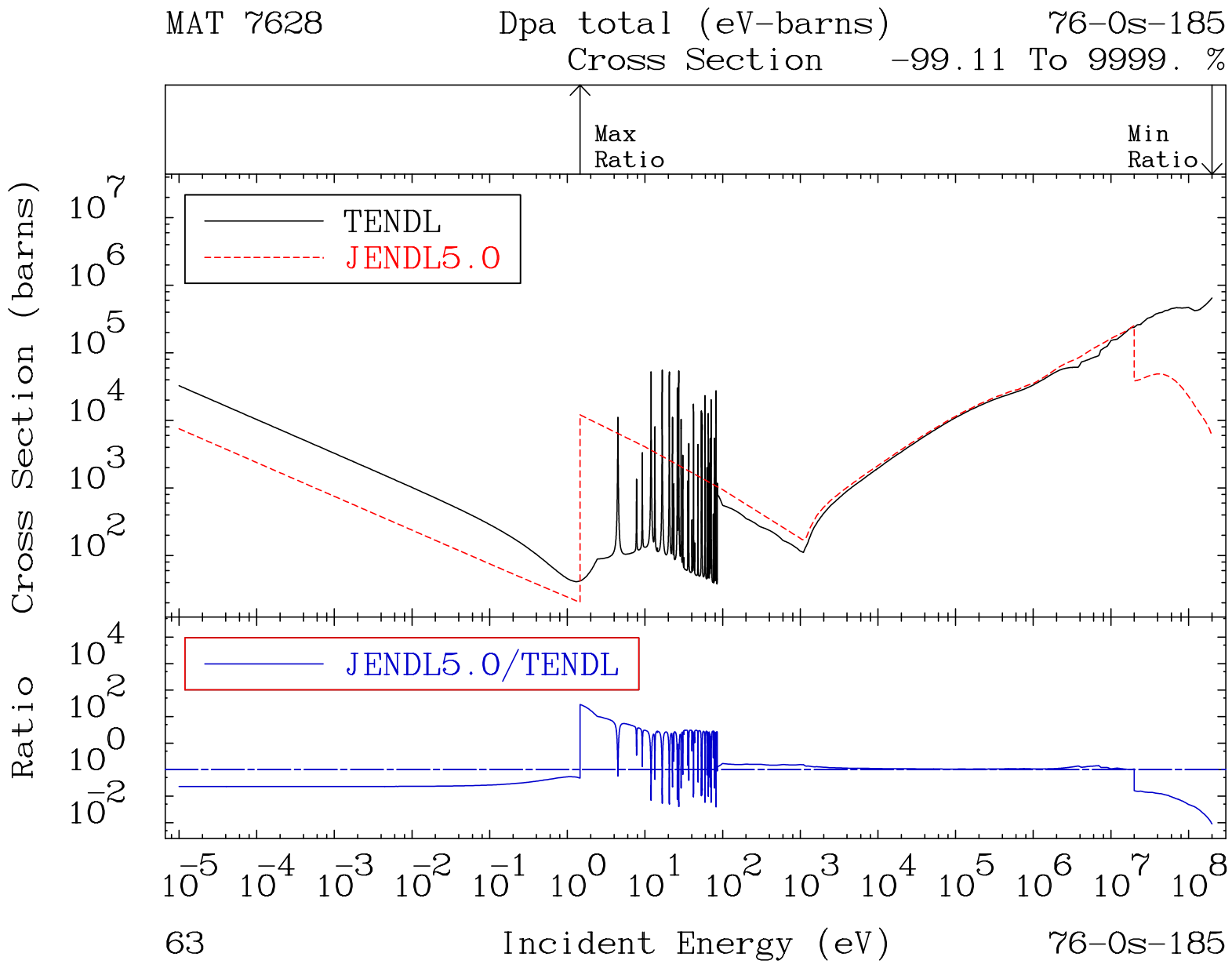

MAT 7628
Kerma inelastic (mt51-91)
76-0s-185
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 37.654 keV
JENDL5.0 Threshold 37.654 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
76-0s-185

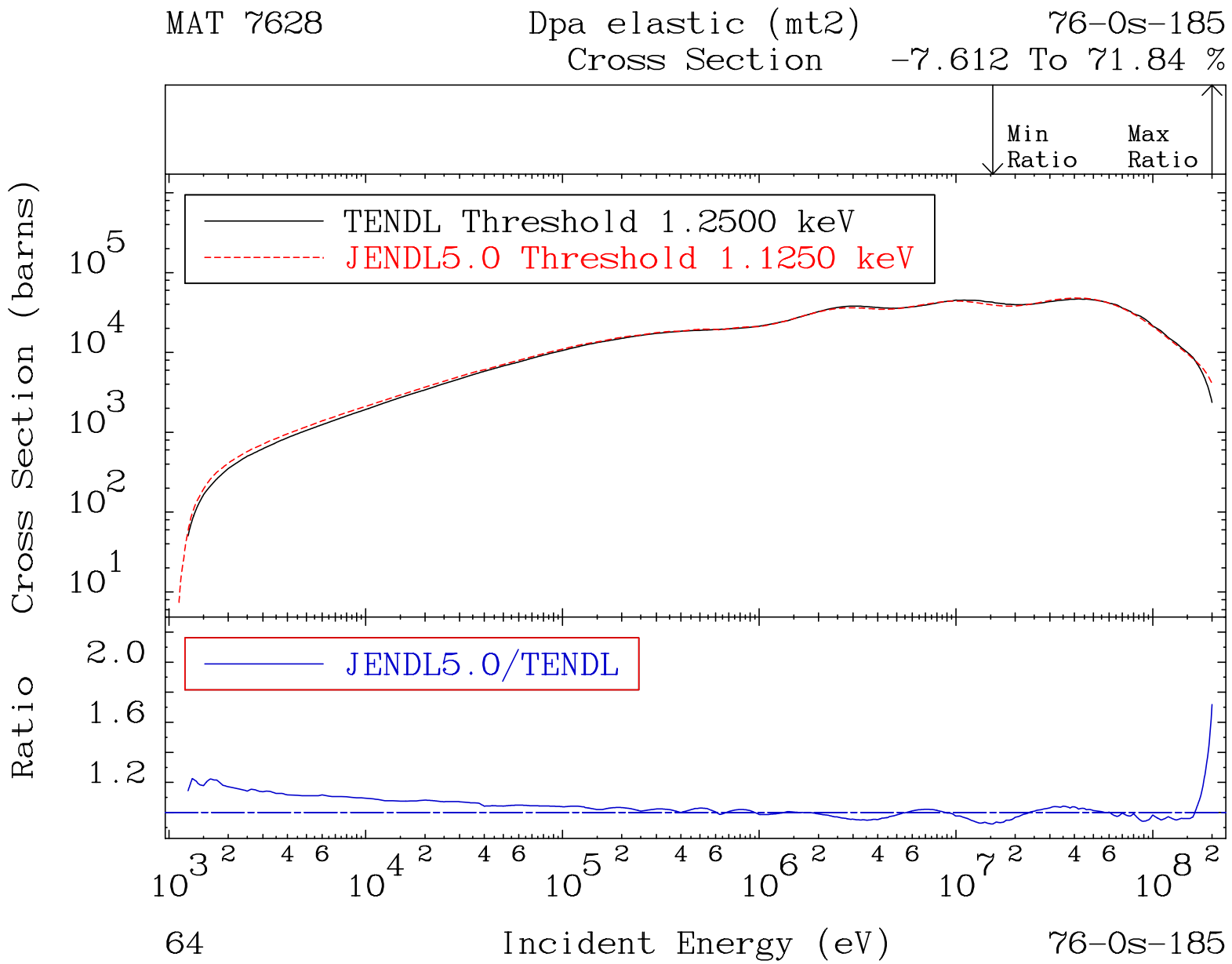

MAT 7628 Kerma fission (mt18 or mt19-20-21-38) 76-0s-185
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.2
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
59
Incident Energy (eV)
76-0s-185

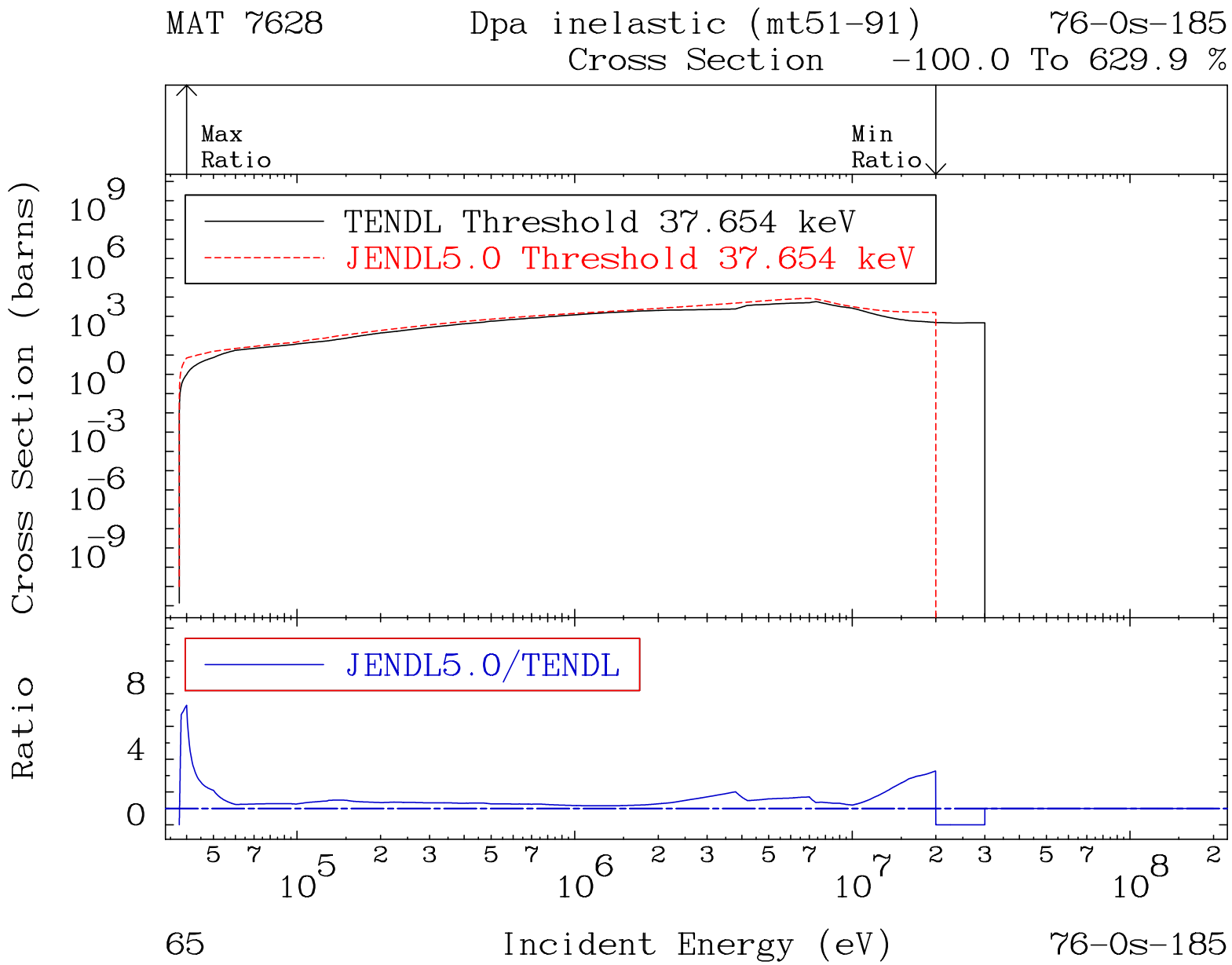

MAT 7628
Kerma capture (mt102)
76-0s-185
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
76-0s-185

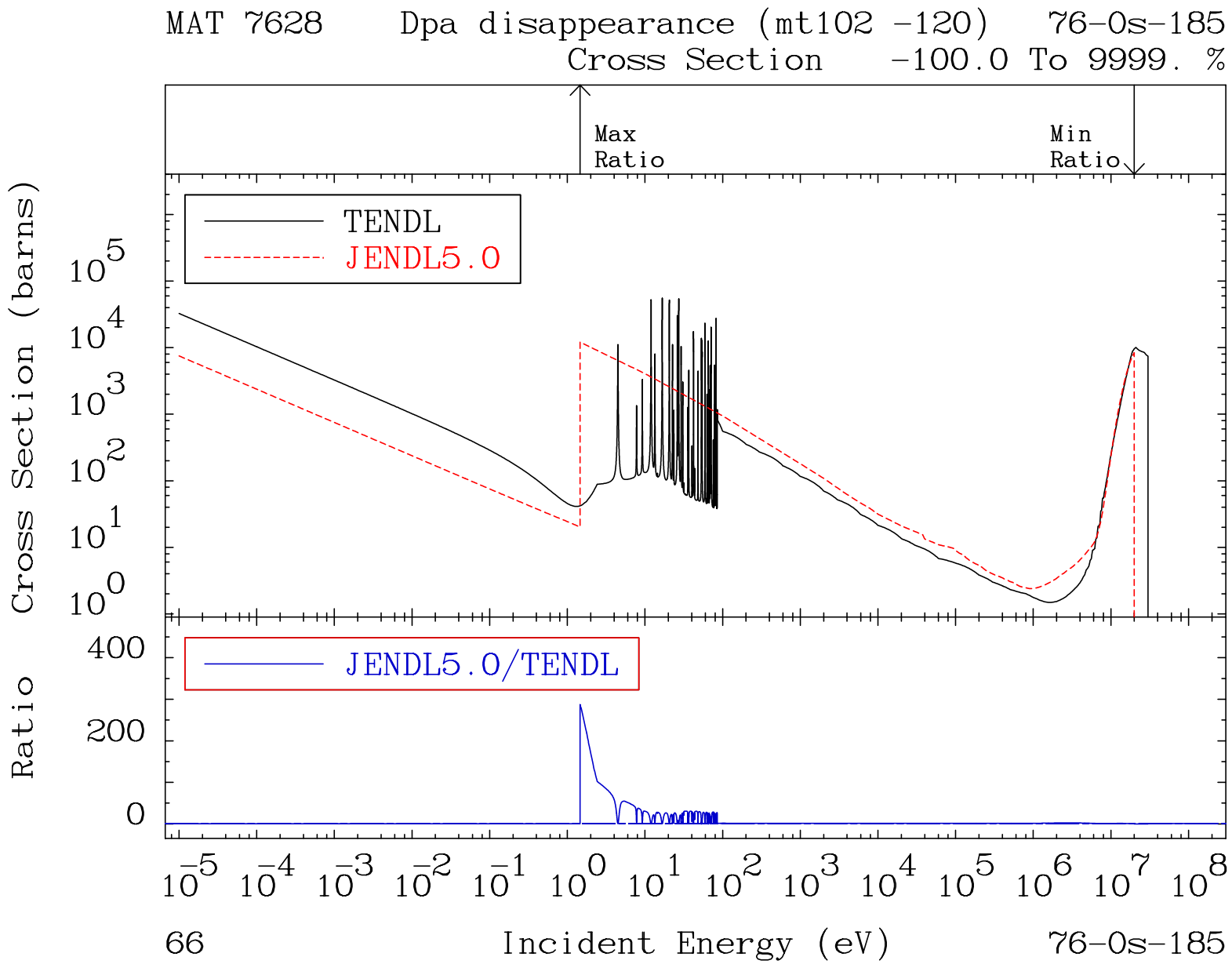

MAT 7628
Total photon (eV-barns)
76-0s-185
Cross Section -98.11 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
76-0s-185

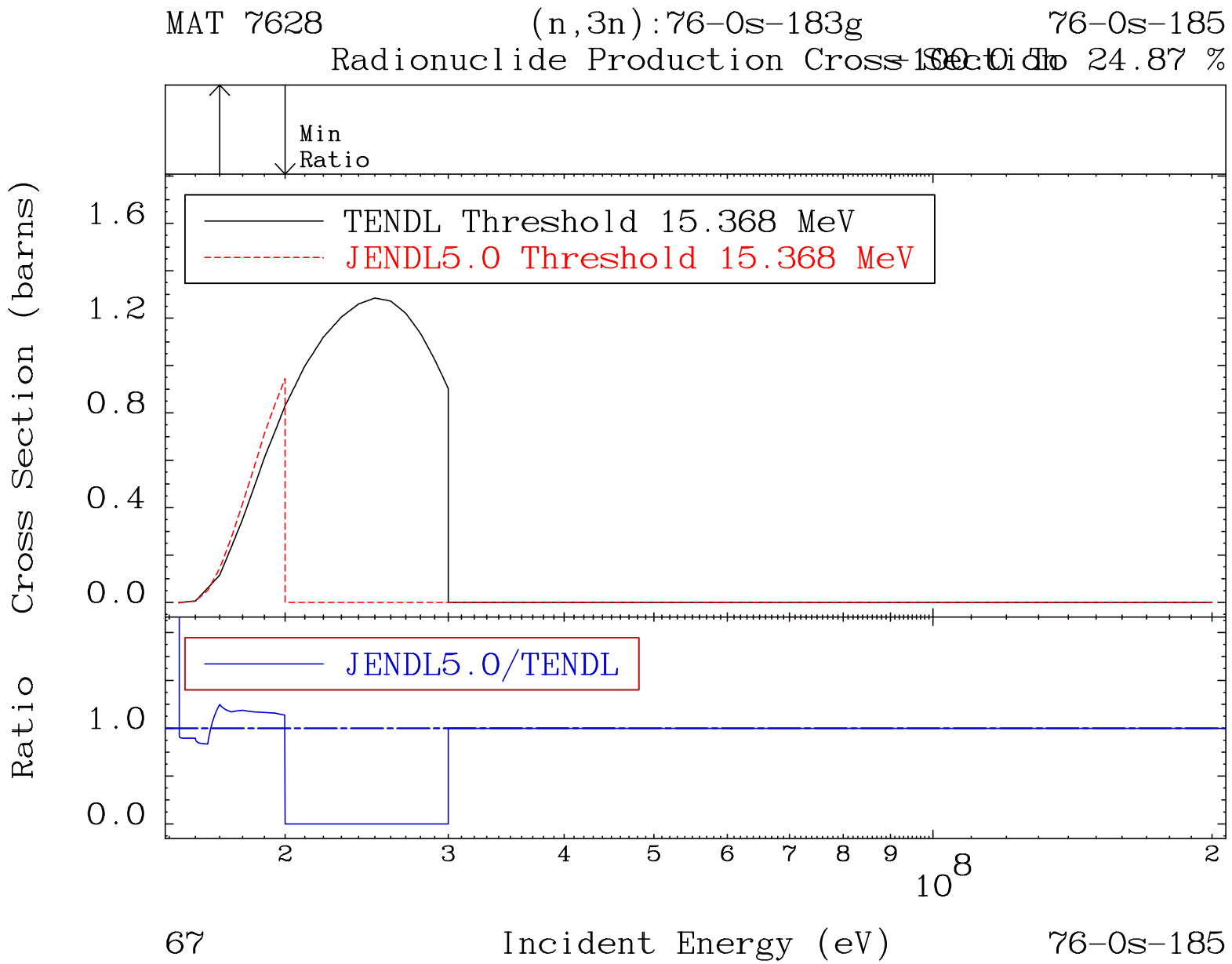

MAT 7628 Total kinematic kerma (high limit) 76-0s-185
Cross Section -78.59 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
76-0s-185

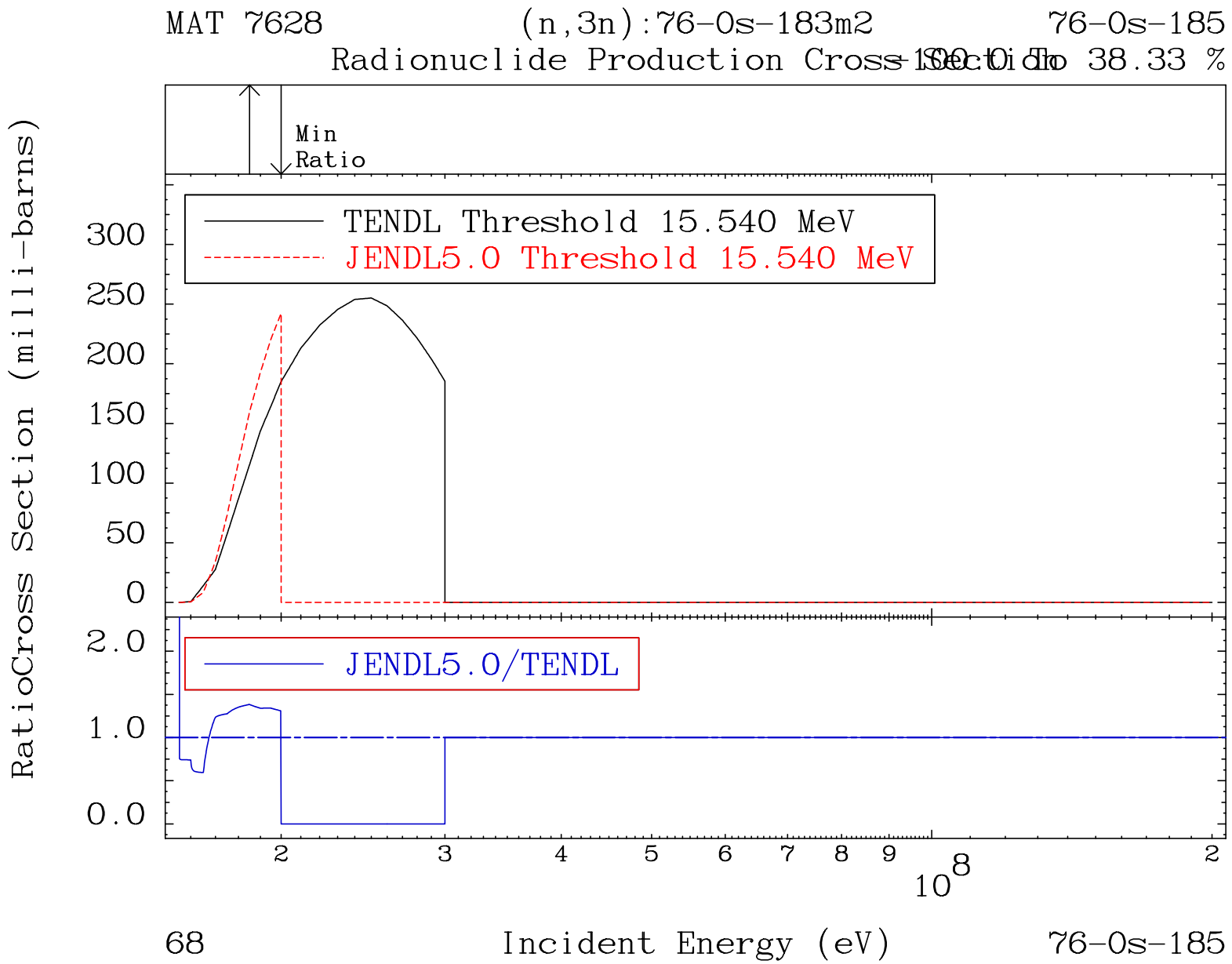

MAT 7628
Dpa total (eV-barns)
76-0s-185
Cross Section -99.11 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
76-0s-185

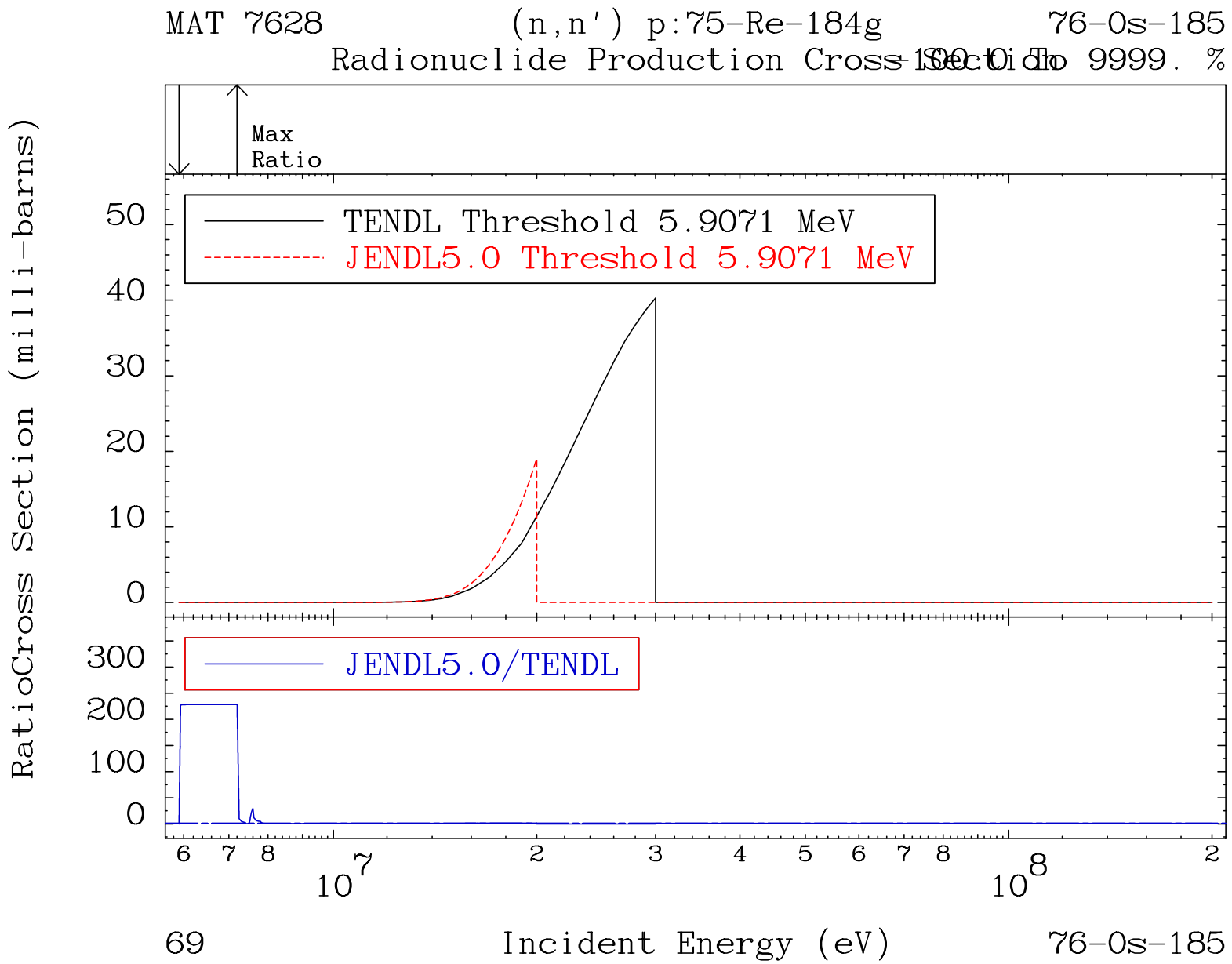

MAT 7628
Dpa elastic (mt2)
Cross Section
76-0s-185
-7.612 To 71.84 %
Min Ratio
Max Ratio
TENDL Threshold 1.2500 keV
JENDL5.0 Threshold 1.1250 keV
Cross Section (barns)
10^5
10^4
10^3
10^2
10^1
JENDL5.0/TENDL
Ratio
2.0
1.6
1.2
10^3 2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2 4 6 10^8 2
64
Incident Energy (eV)
76-0s-185

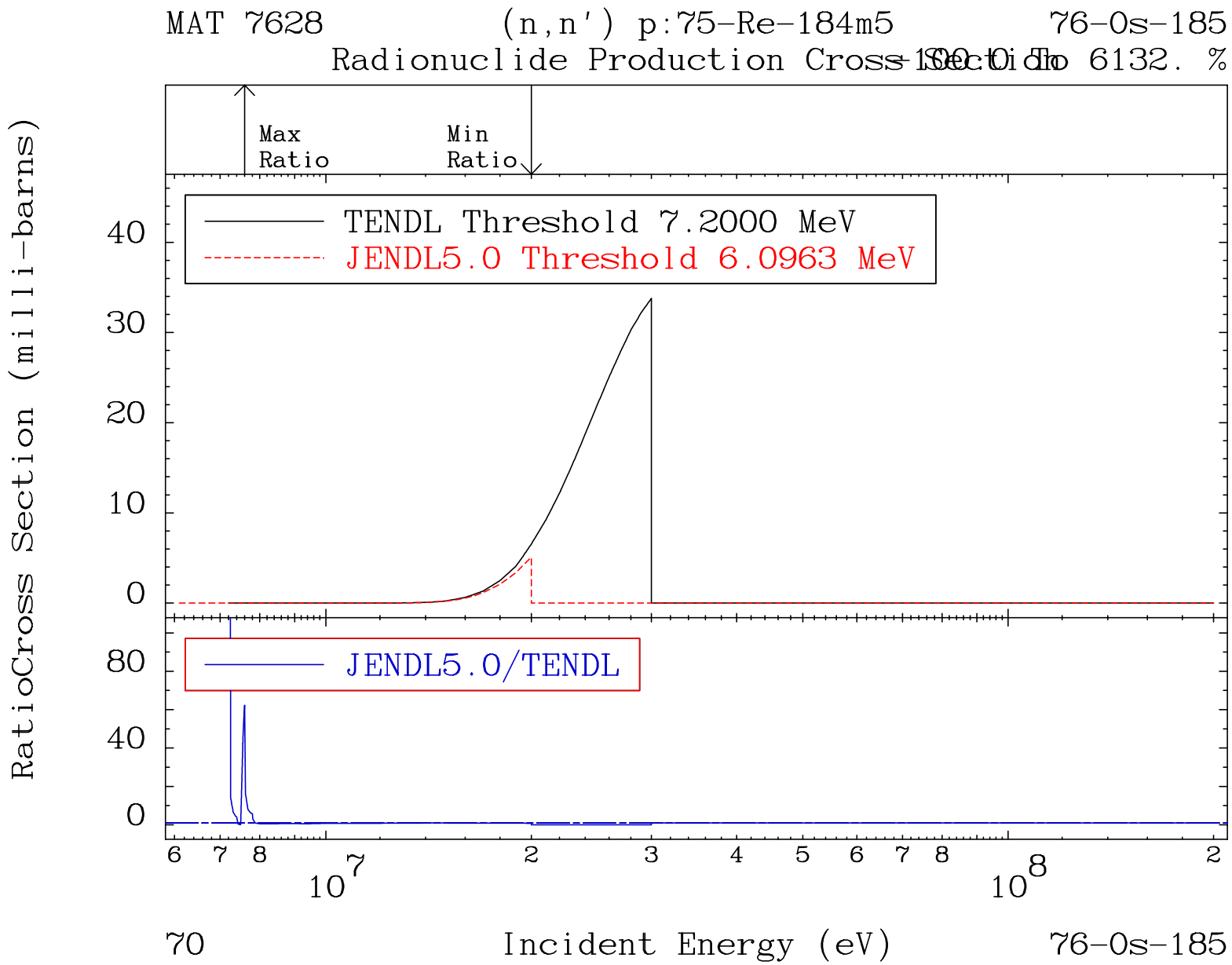

MAT 7628
Dpa inelastic (mt51-91)
76-0s-185
Cross Section -100.0 To 629.9 %
Max Ratio
Min Ratio
TENDL Threshold 37.654 keV
JENDL5.0 Threshold 37.654 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
76-0s-185

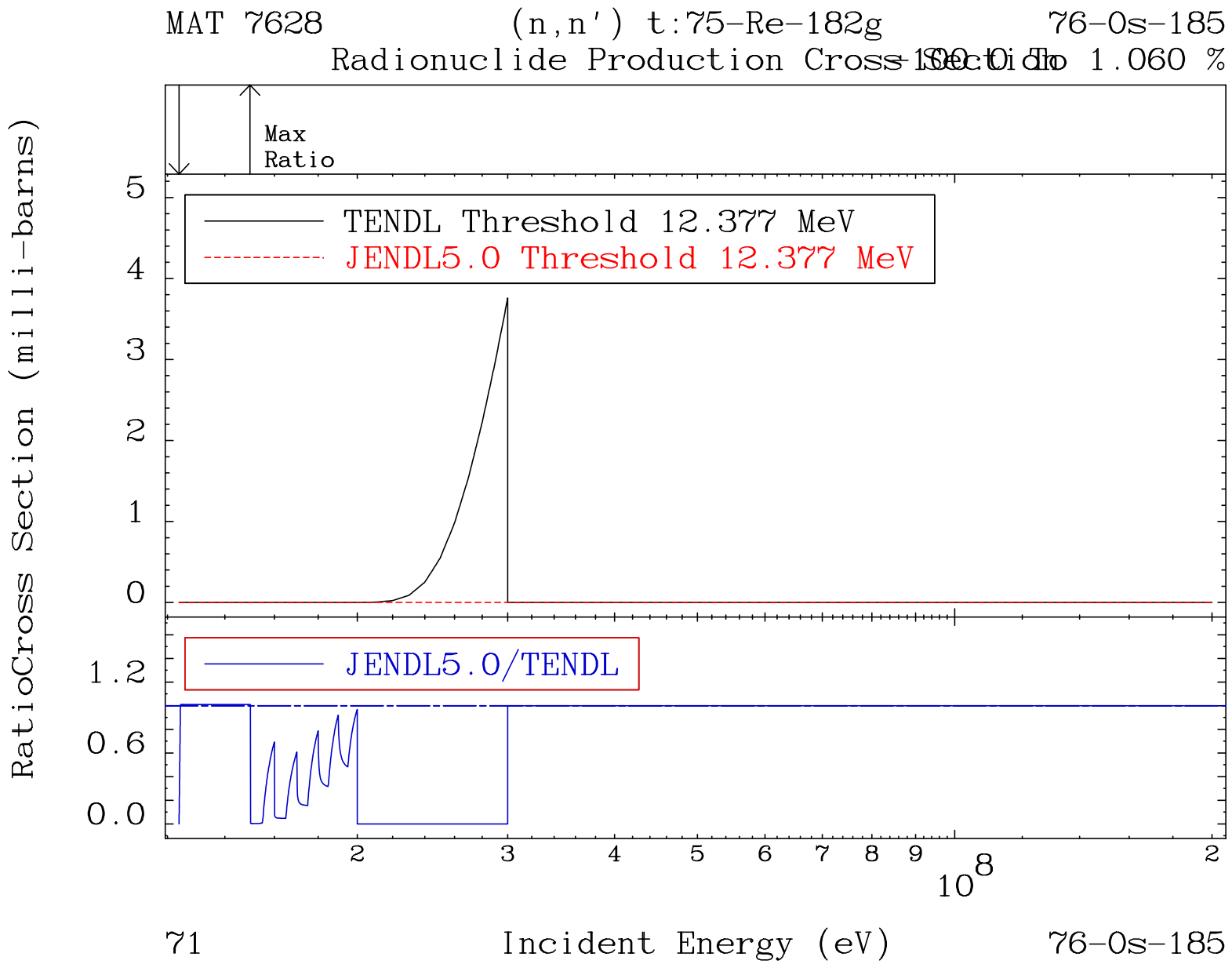

MAT 7628 Dpa disappearance (mt102 -120) 76-0s-185
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
66
76-0s-185

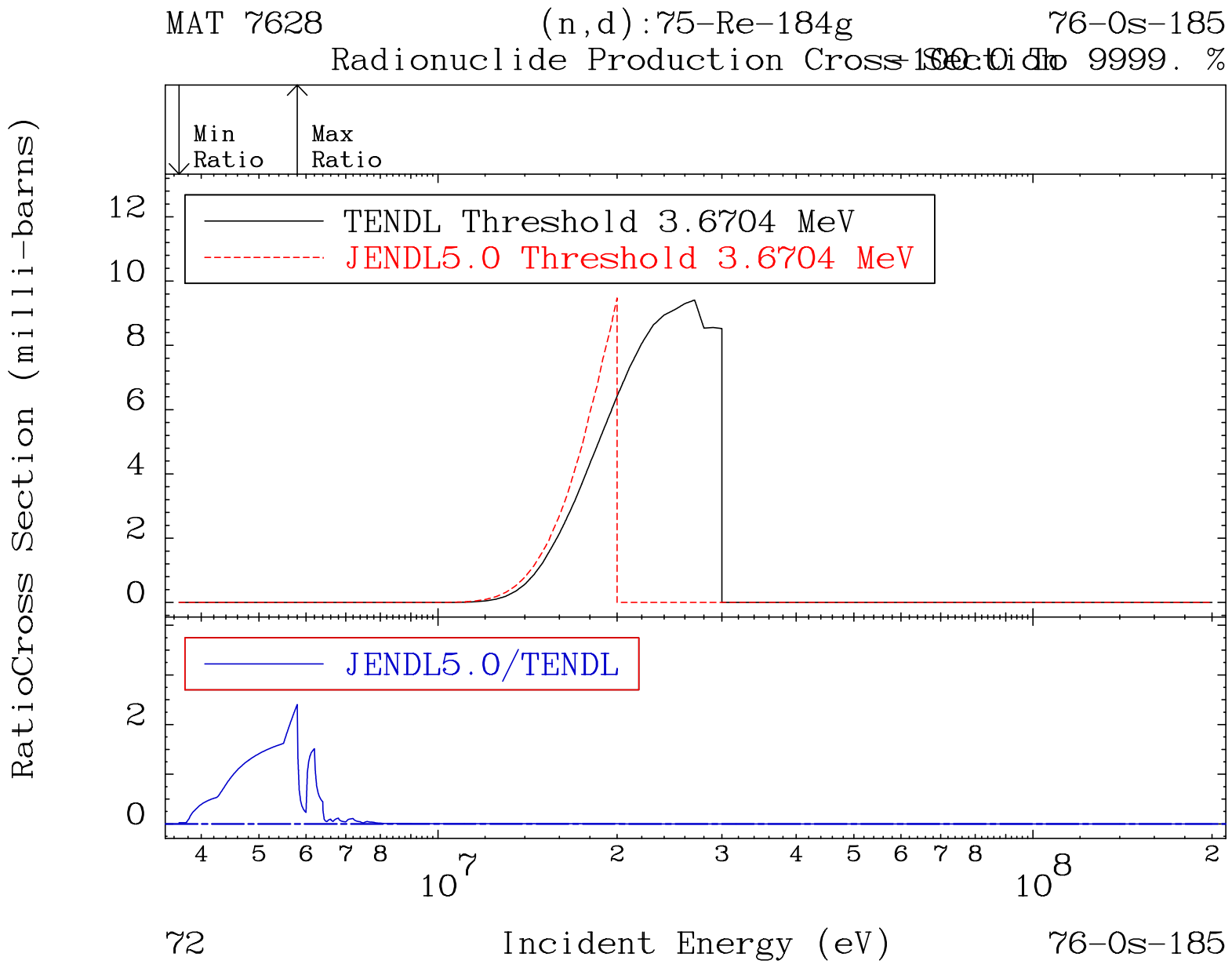

MAT 7628
(n,3n):76-Os-183g
76-Os-185
Radionuclide Production Cross Section To 24.87 %
Min
Ratio
TENDL Threshold 15.368 MeV
JENDL5.0 Threshold 15.368 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
67
Incident Energy (eV)
76-Os-185

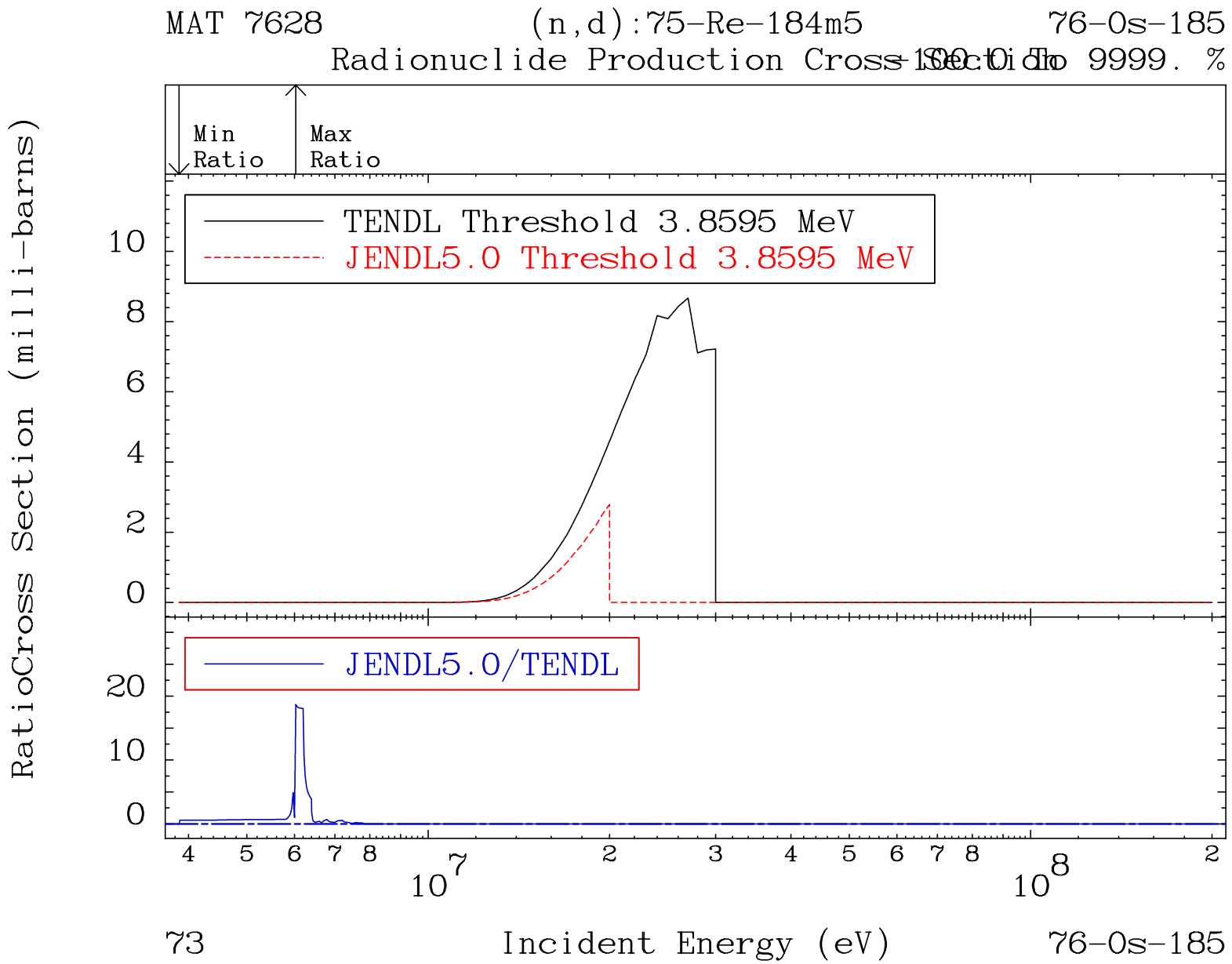

MAT 7628
(n,3n):76-Os-183m2
76-Os-185
Radionuclide Production Cross Section
Min Ratio
TENDL Threshold 15.540 MeV
JENDL5.0 Threshold 15.540 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
76-Os-185

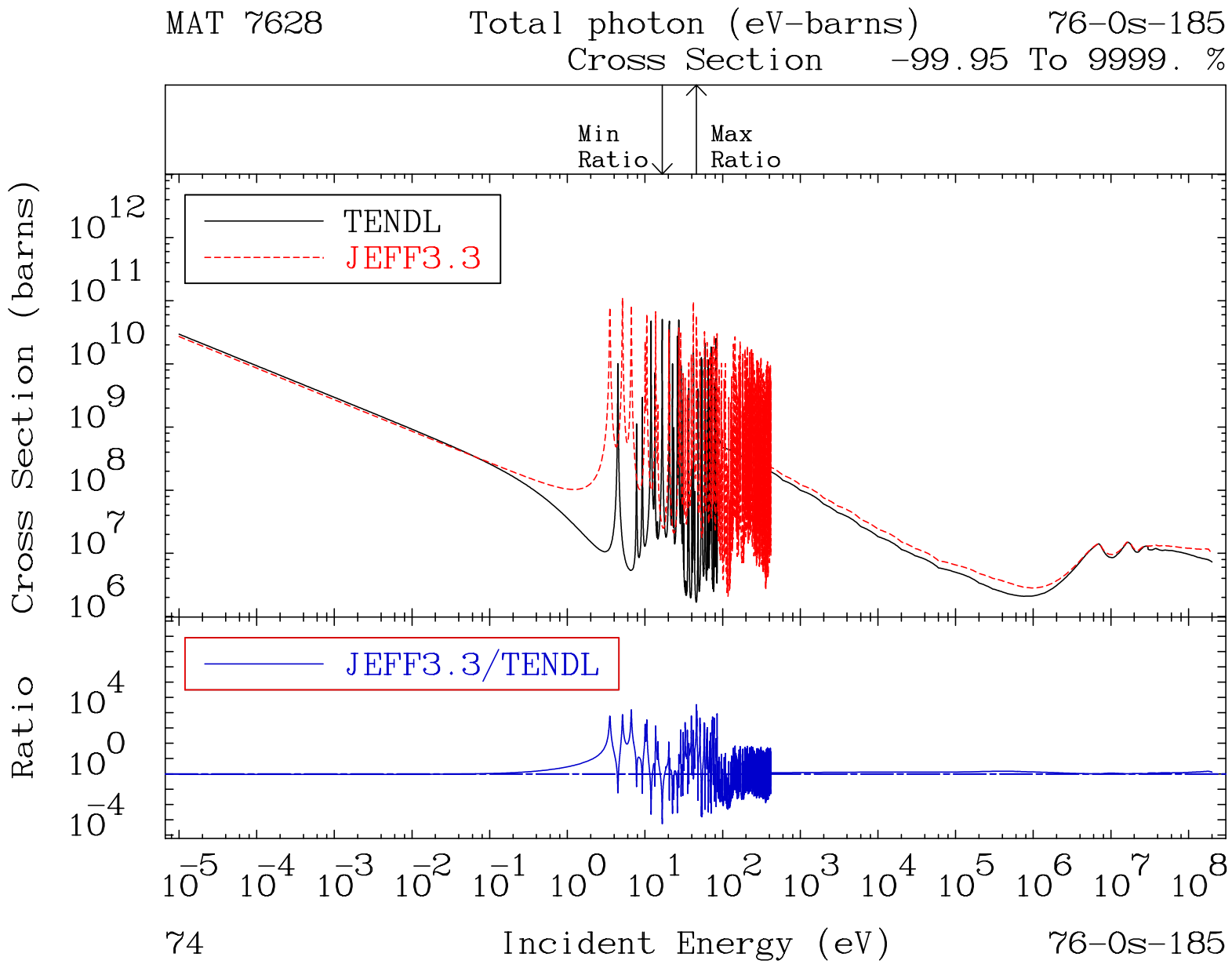

MAT 7628
(n,n') p:75-Re-184g
76-0s-185
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 5.9071 MeV
JENDL5.0 Threshold 5.9071 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
300
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
69
Incident Energy (eV)
76-0s-185

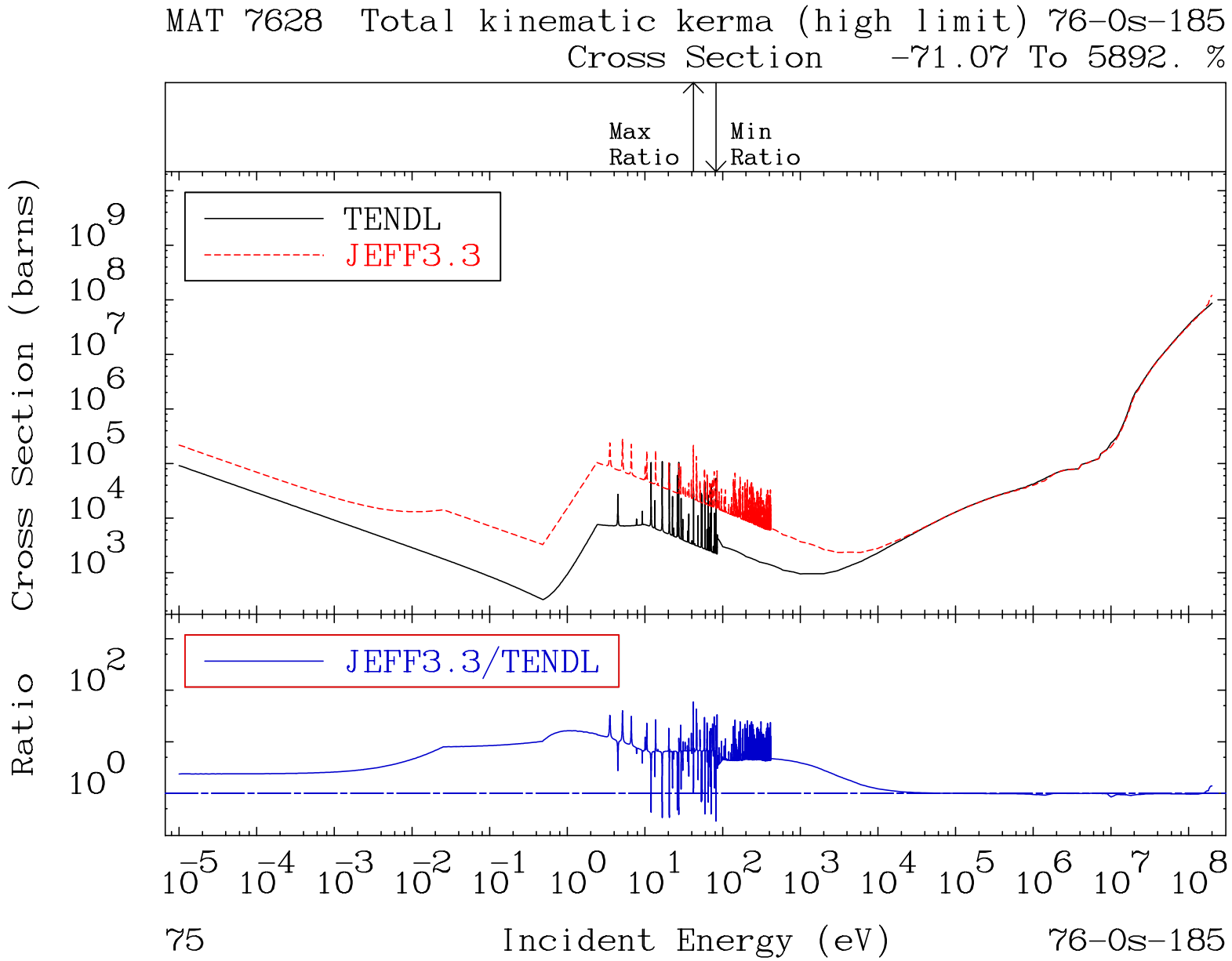

MAT 7628 (n,n') p:75-Re-184m5 76-Os-185
Radionuclide Production Cross Section To 6132. %
Max Ratio
Min Ratio
TENDL Threshold 7.2000 MeV
JENDL5.0 Threshold 6.0963 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
80
40
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
70 Incident Energy (eV) 76-Os-185

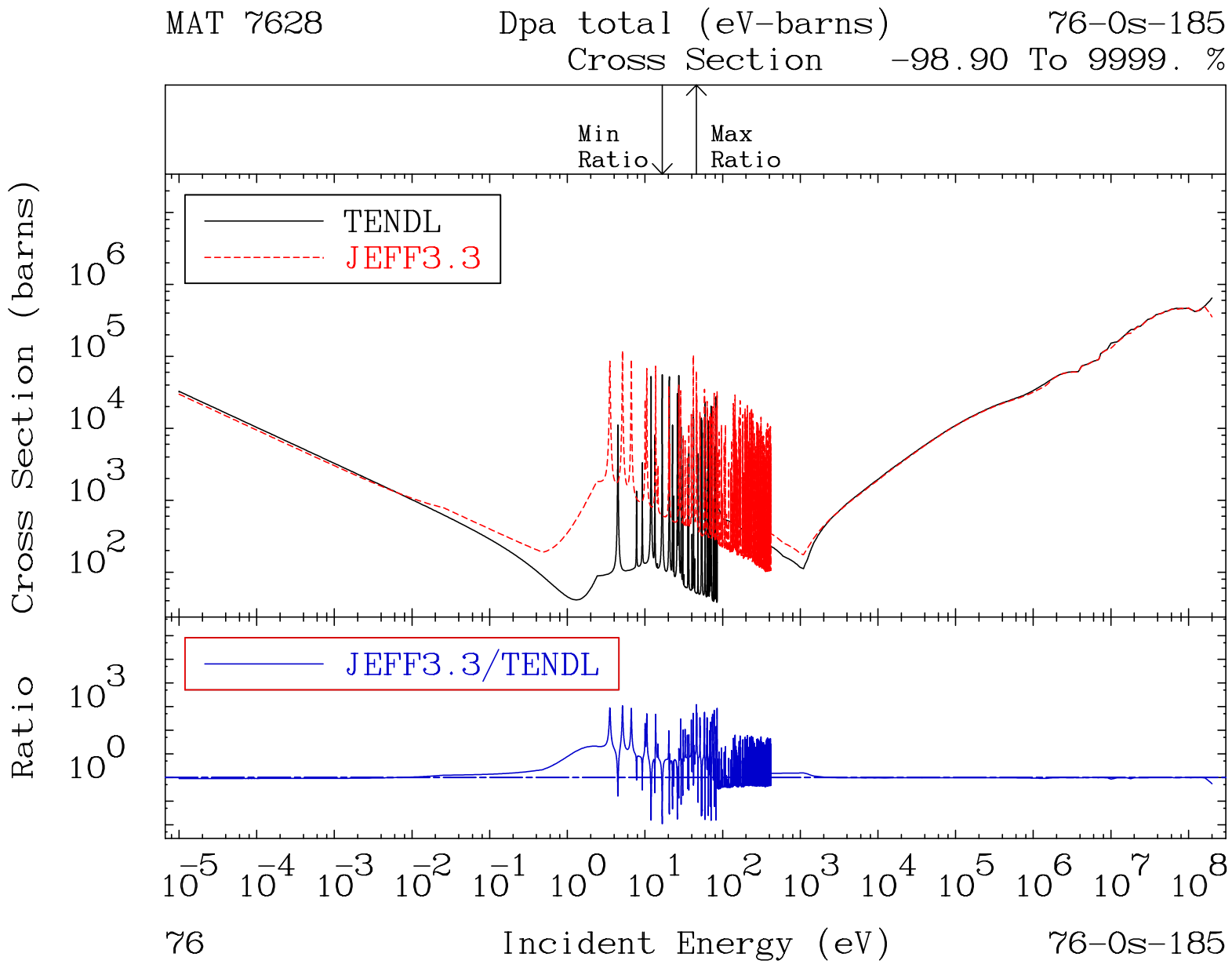

MAT 7628
(n,n') t:75-Re-182g
76-0s-185
Radionuclide Production Cross Section To 1.060 %
Max
Ratio
TENDL Threshold 12.377 MeV
JENDL5.0 Threshold 12.377 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
76-0s-185

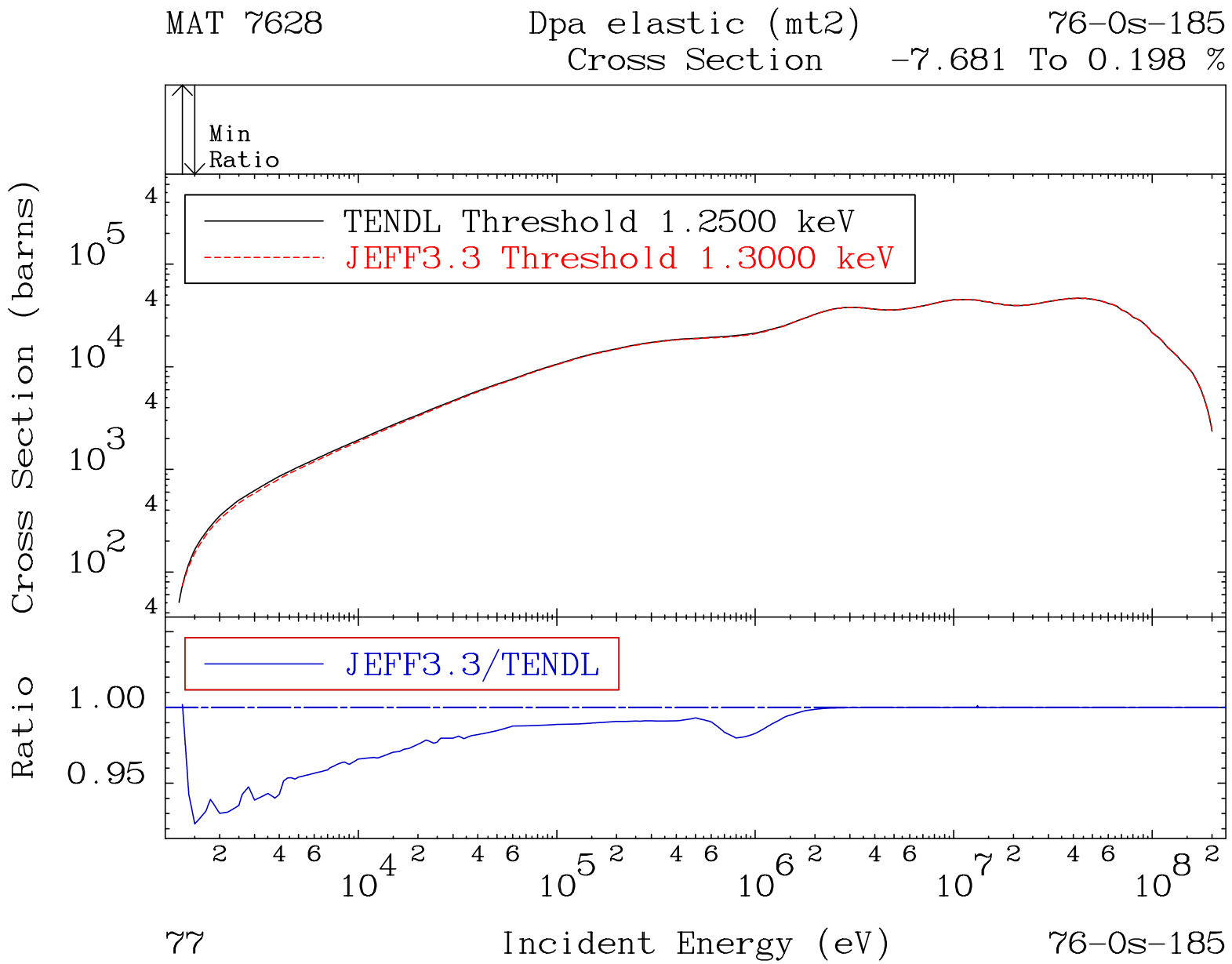

MAT 7628
(n,d):75-Re-184g
76-Os-185
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6704 MeV
JENDL5.0 Threshold 3.6704 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
72
76-Os-185

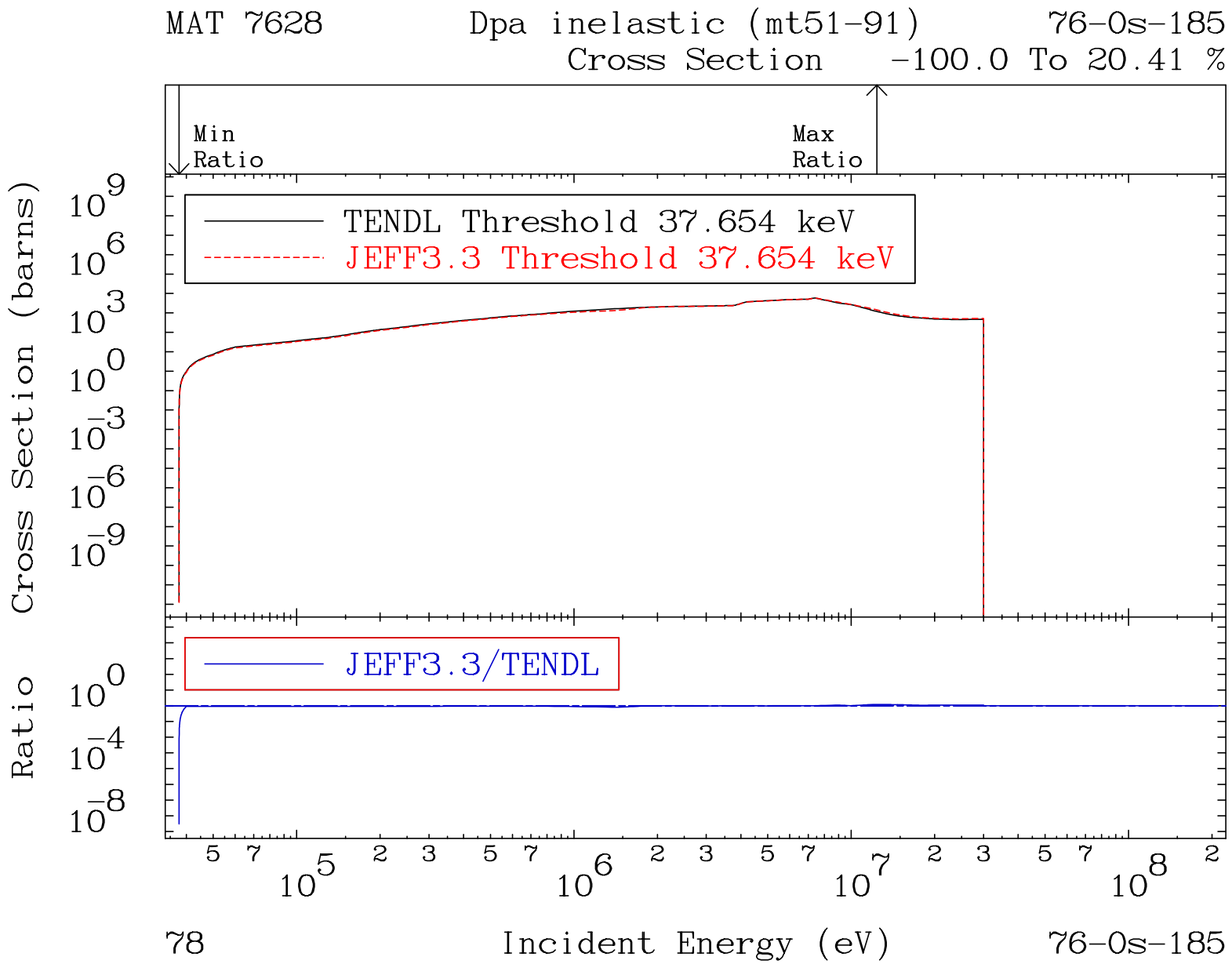

MAT 7628
(n,d):75-Re-184m5
76-Os-185
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8595 MeV
JENDL5.0 Threshold 3.8595 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
76-Os-185

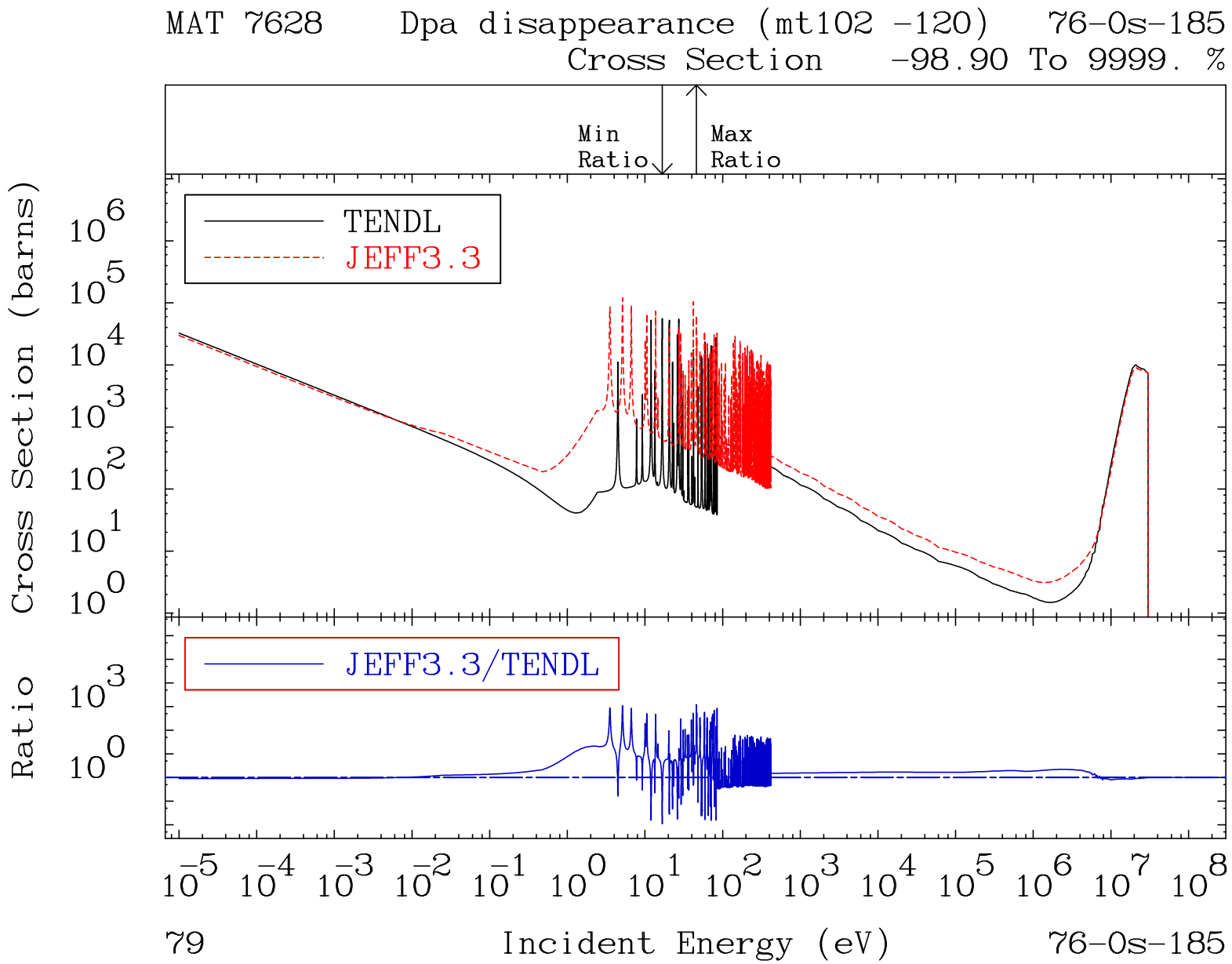

MAT 7628
Total photon (eV-barns)
76-0s-185
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
76-0s-185

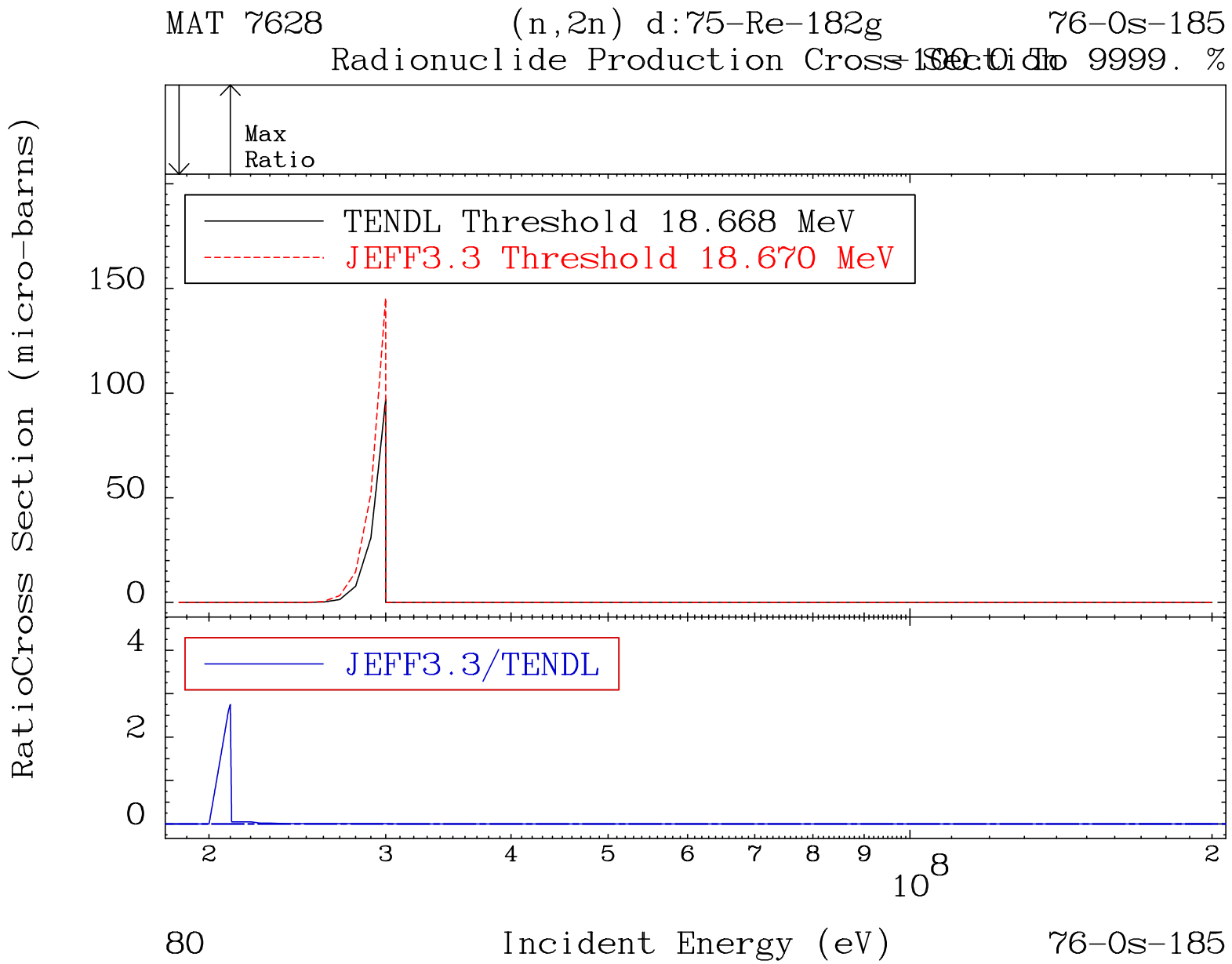

MAT 7628 Total kinematic kerma (high limit) 76-0s-185
Cross Section -71.07 To 5892. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
76-0s-185

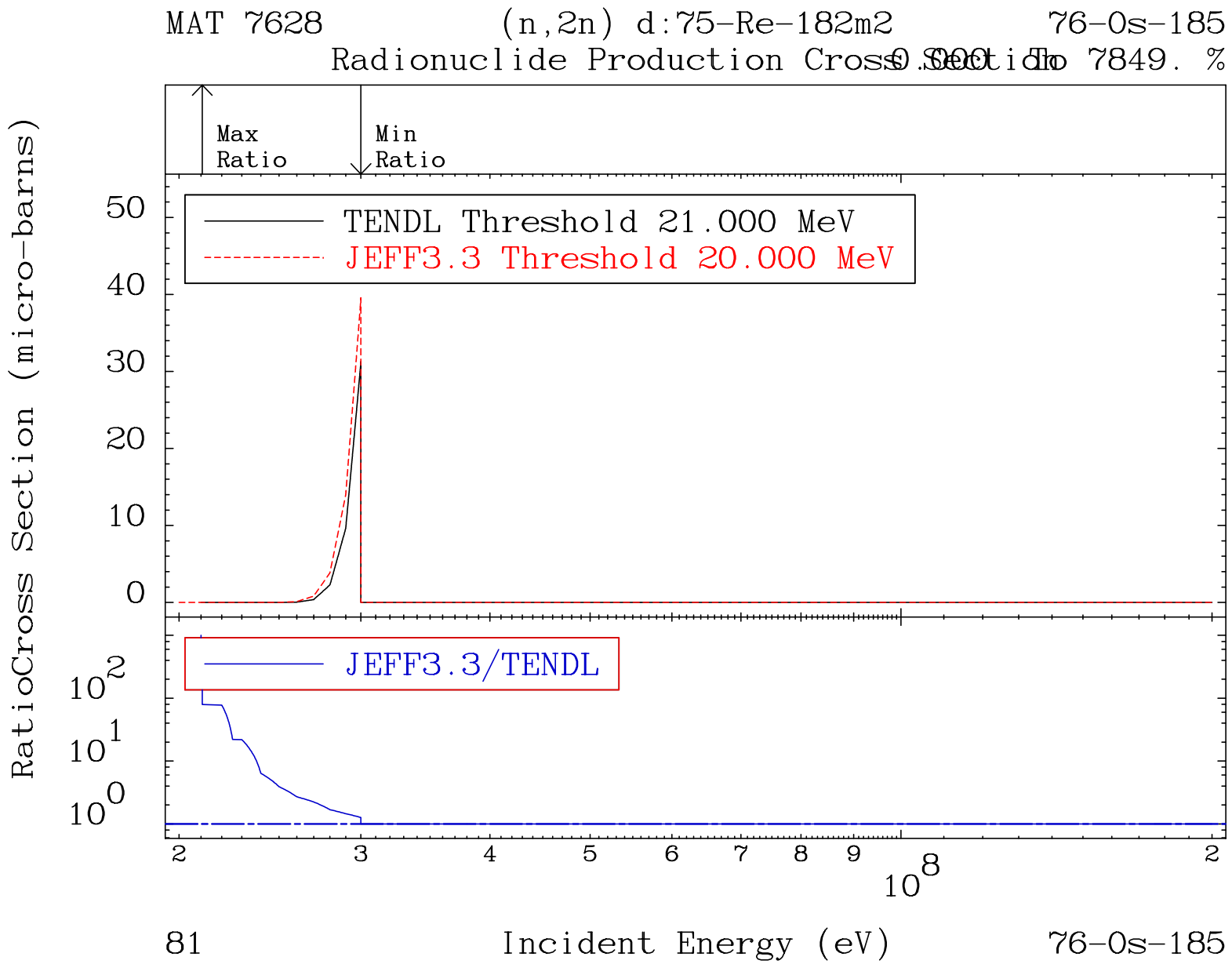

MAT 7628
Dpa total (eV-barns)
76-0s-185
Cross Section -98.90 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
76-0s-185

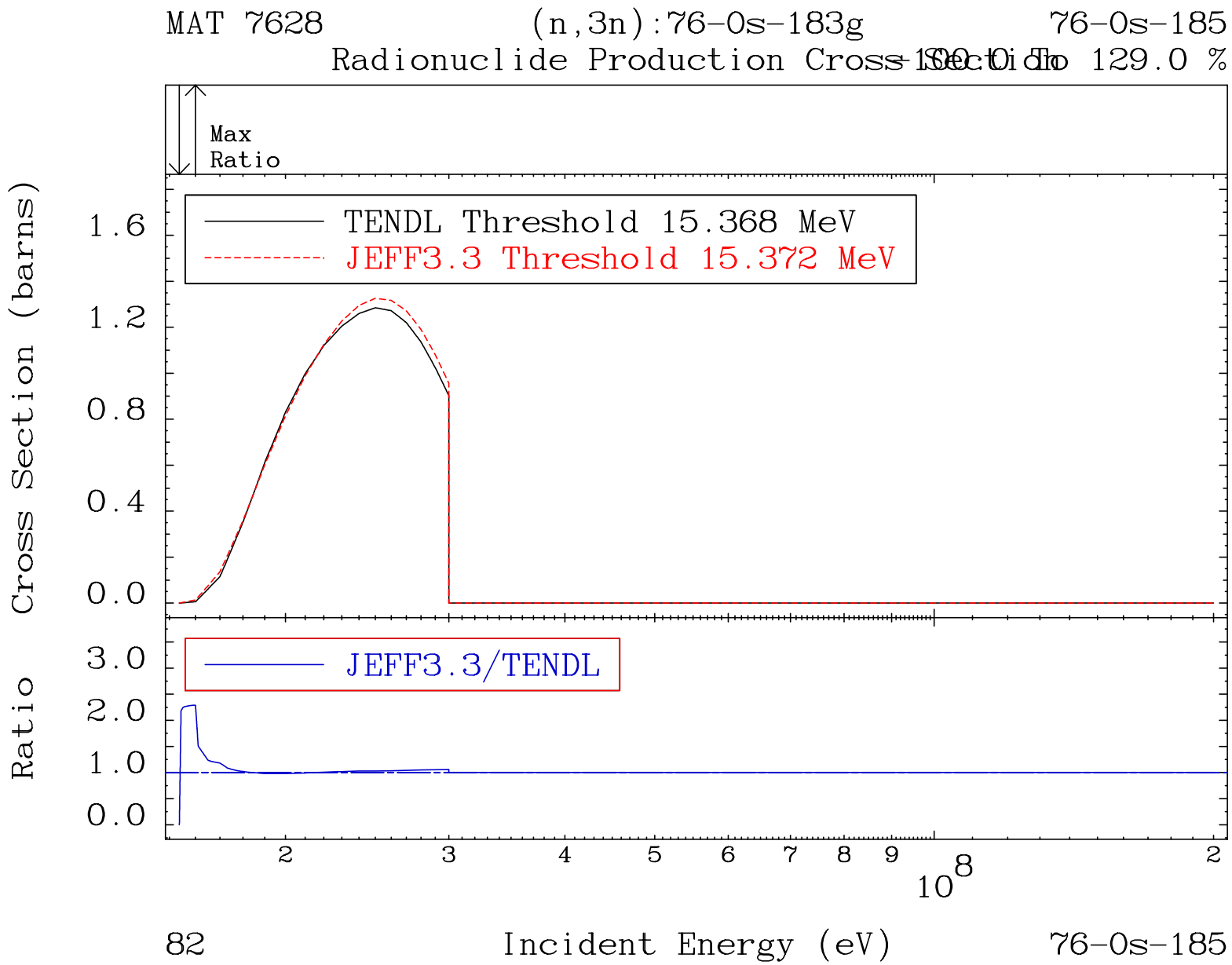

MAT 7628
Dpa elastic (mt2)
Cross Section
76-0s-185
-7.681 To 0.198 %
Min
Ratio
TENDL Threshold 1.2500 keV
JEFF3.3 Threshold 1.3000 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
76-0s-185

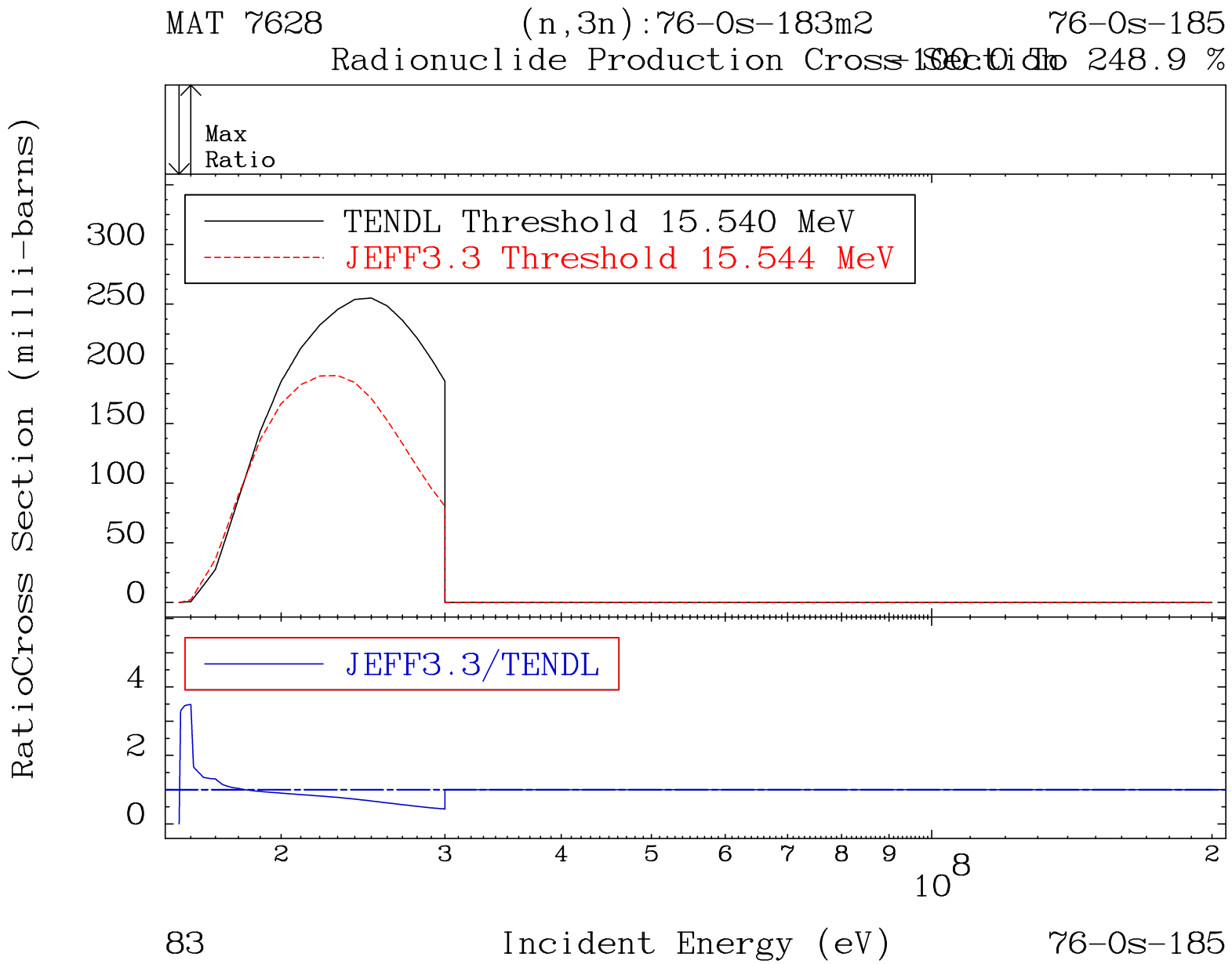

MAT 7628
Dpa inelastic (mt51-91)
76-0s-185
Cross Section -100.0 To 20.41 %
Min Ratio
Max Ratio
TENDL Threshold 37.654 keV
JEFF3.3 Threshold 37.654 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
76-0s-185

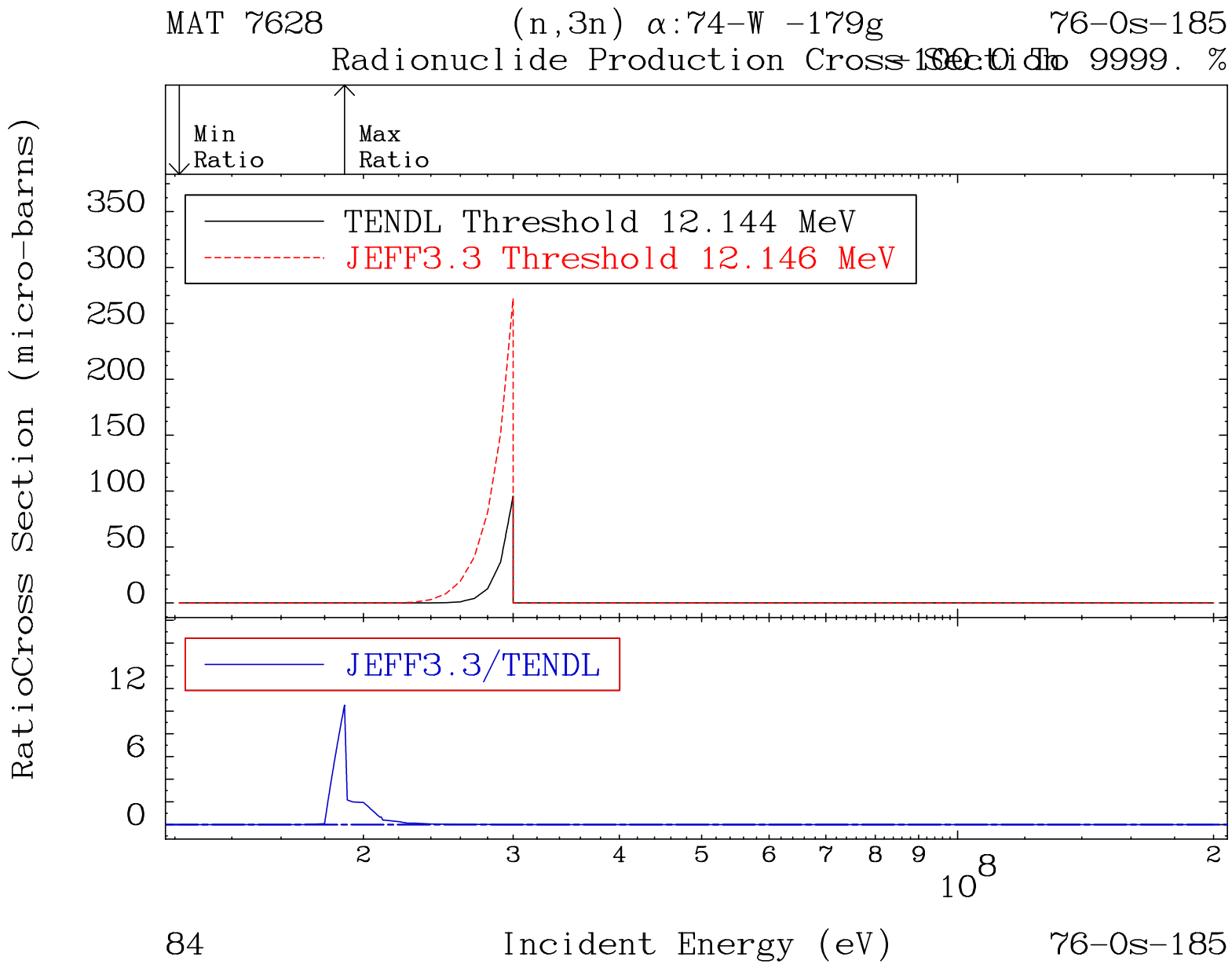

MAT 7628 Dpa disappearance (mt102 -120) 76-0s-185
Cross Section -98.90 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
79
76-0s-185

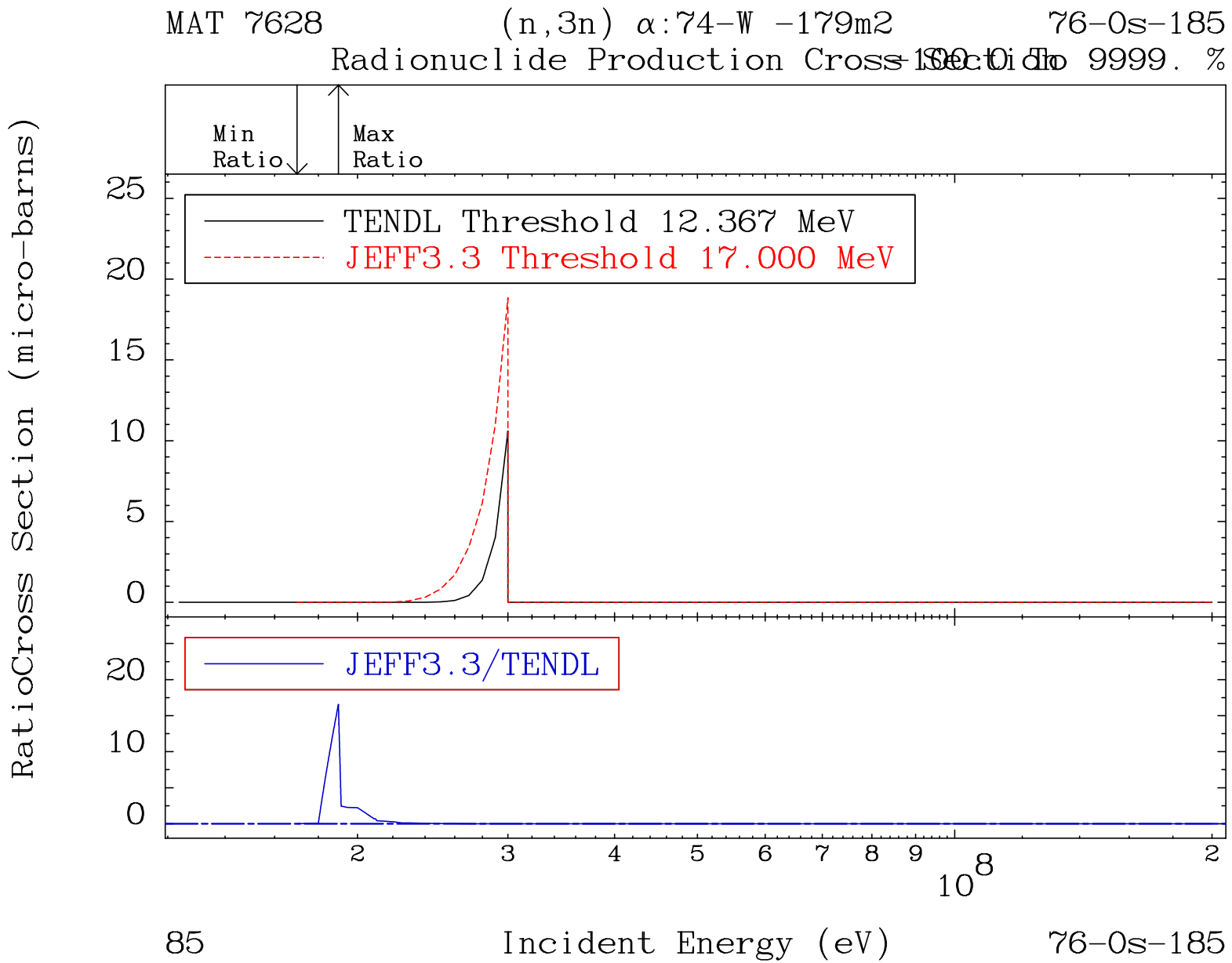

MAT 7628
(n,2n) d:75-Re-182g
76-0s-185
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 18.668 MeV
JEFF3.3 Threshold 18.670 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
150
100
50
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
80
Incident Energy (eV)
76-0s-185

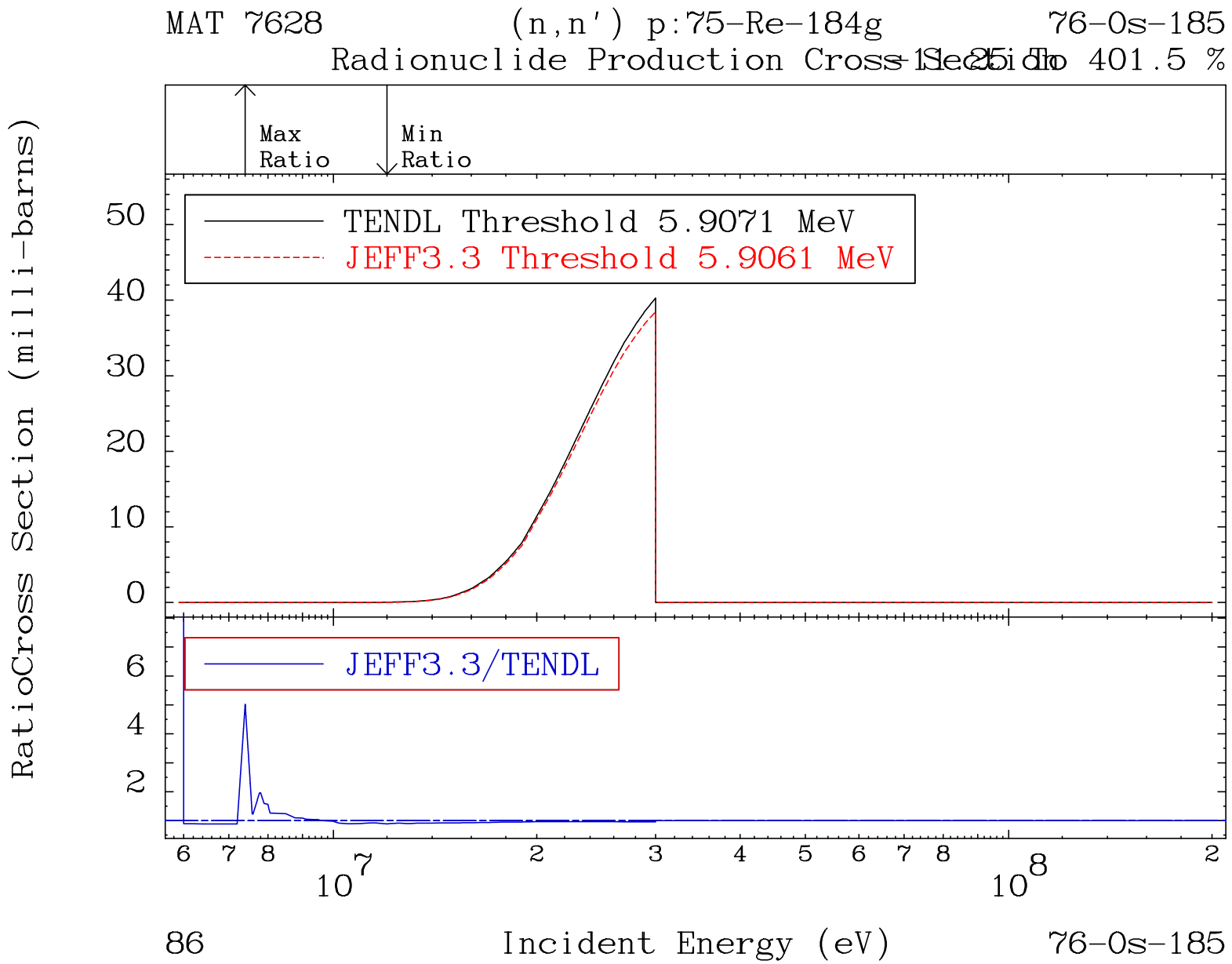

MAT 7628
(n,2n) d:75-Re-182m2
76-0s-185
Radionuclide Production Cross Section
0.000 To 7849. %
Max Ratio
Min Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
50
40
30
20
10
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
76-0s-185

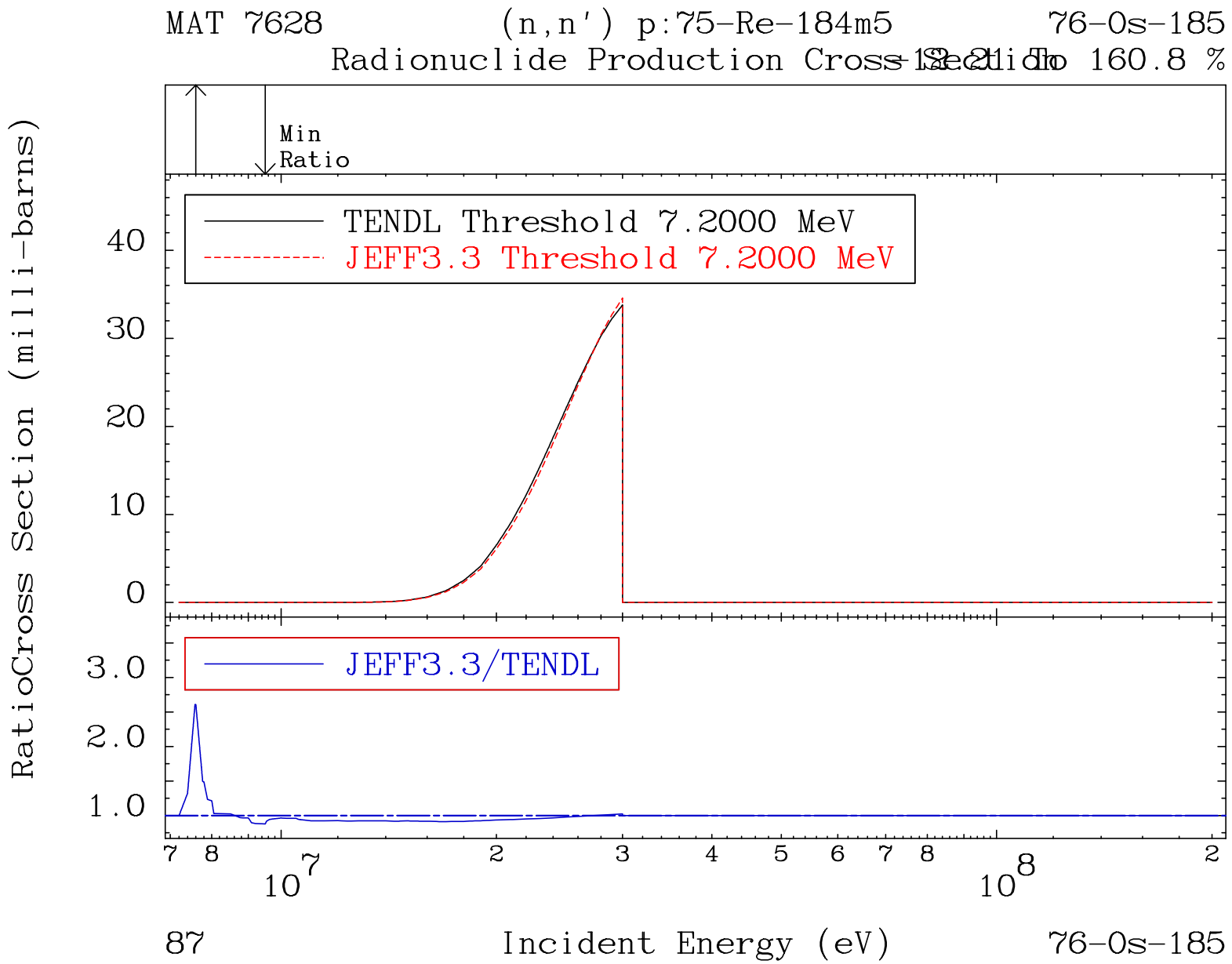

MAT 7628
(n,3n):76-Os-183g
76-Os-185
Radionuclide Production Cross Section To 129.0 %
Max
Ratio
TENDL Threshold 15.368 MeV
JEFF3.3 Threshold 15.372 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
76-Os-185

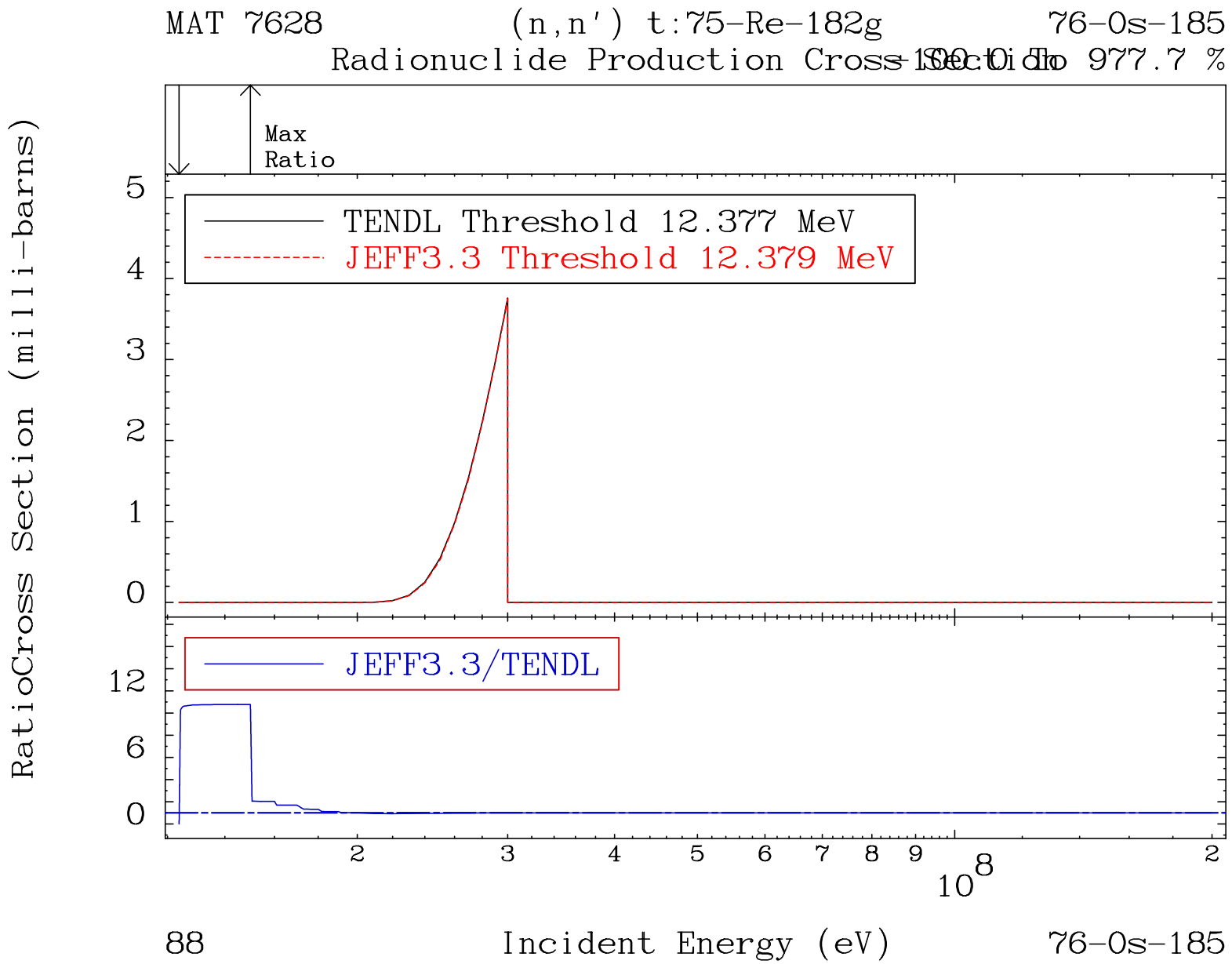

MAT 7628
(n,3n):76-Os-183m2
76-Os-185
Radionuclide Production Cross Section To 248.9 %
Max
Ratio
TENDL Threshold 15.540 MeV
JEFF3.3 Threshold 15.544 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
76-Os-185

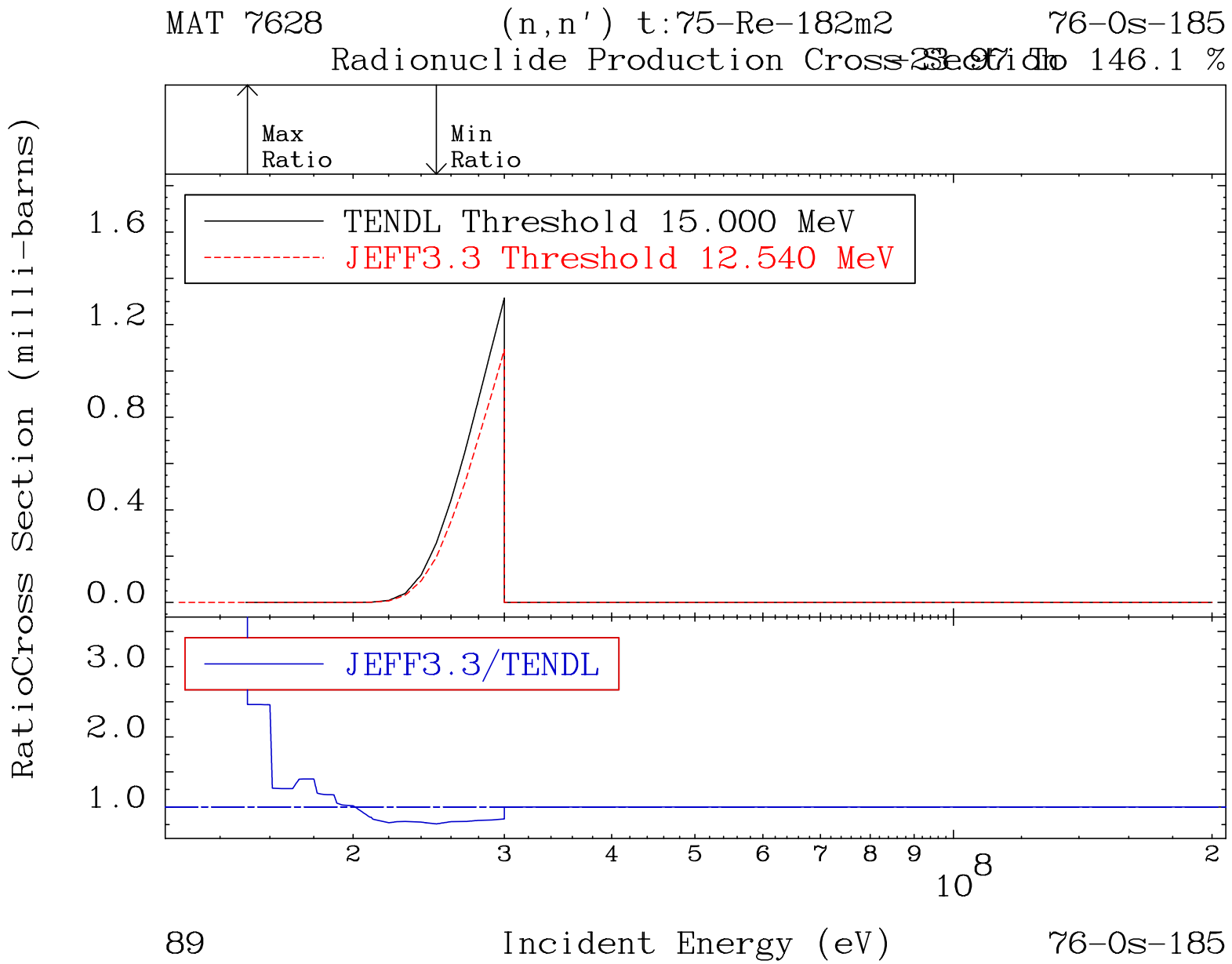

MAT 7628
(n,3n) α:74-W -179g
76-Os-185
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.144 MeV
JEFF3.3 Threshold 12.146 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
12
6
0
2
3
4
5
6
7
8
9
2
10^8
84
Incident Energy (eV)
76-Os-185

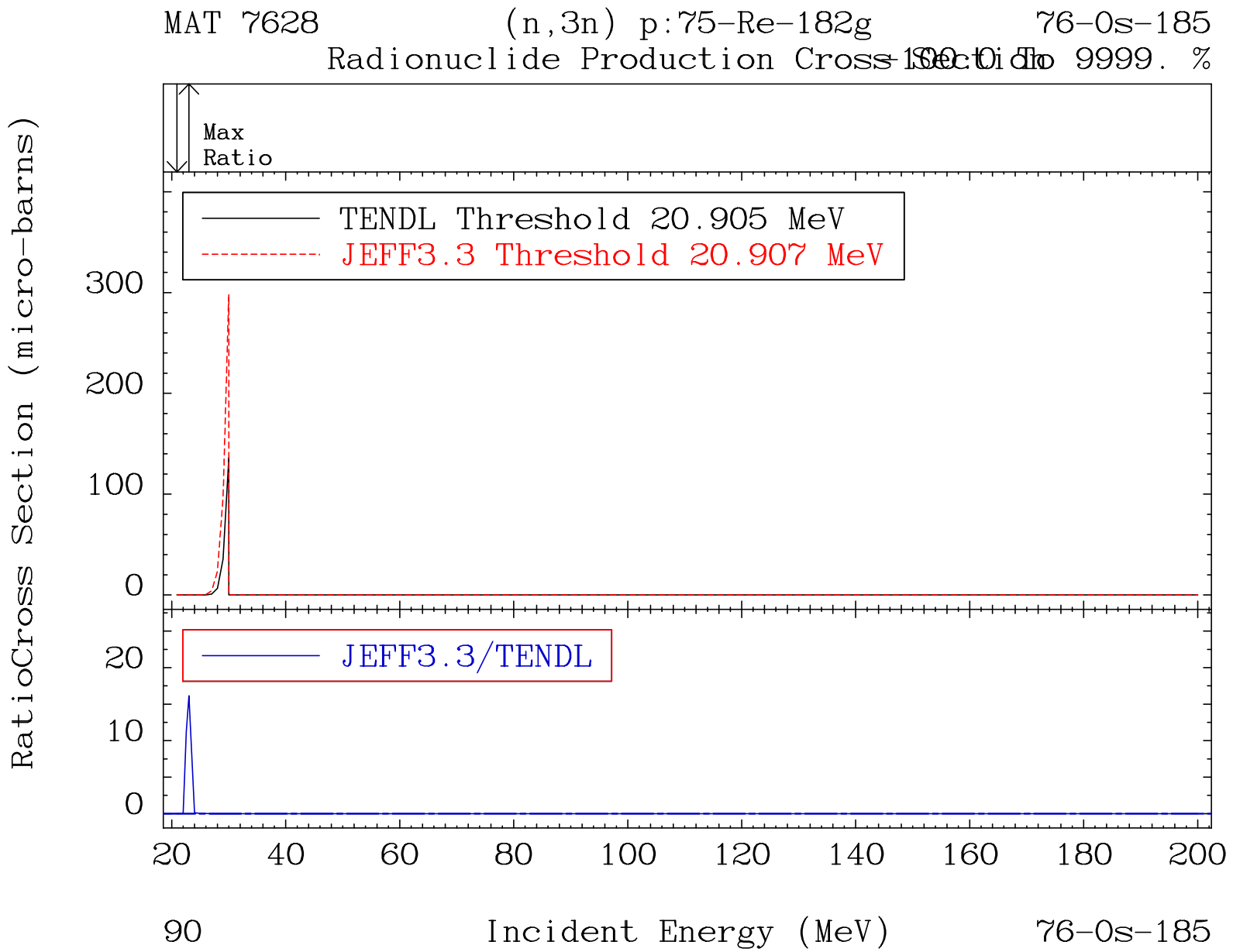

MAT 7628 (n,3n) α:74-W -179m2 76-Os-185
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.367 MeV
JEFF3.3 Threshold 17.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
25
20
15
10
5
0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
85
Incident Energy (eV)
76-Os-185

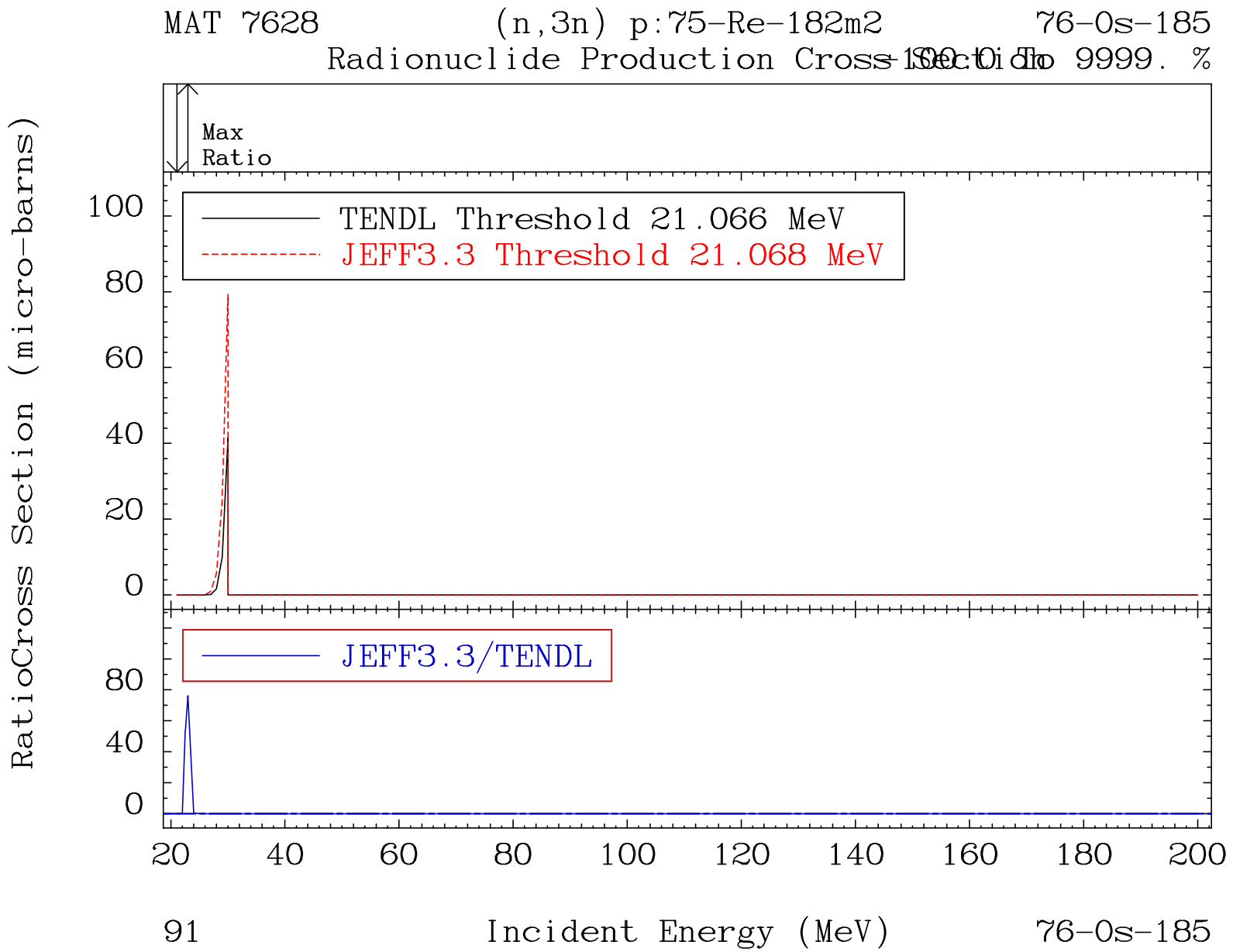

MAT 7628
(n,n') p:75-Re-184g
76-0s-185
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.9071 MeV
JEFF3.3 Threshold 5.9061 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
86
76-0s-185

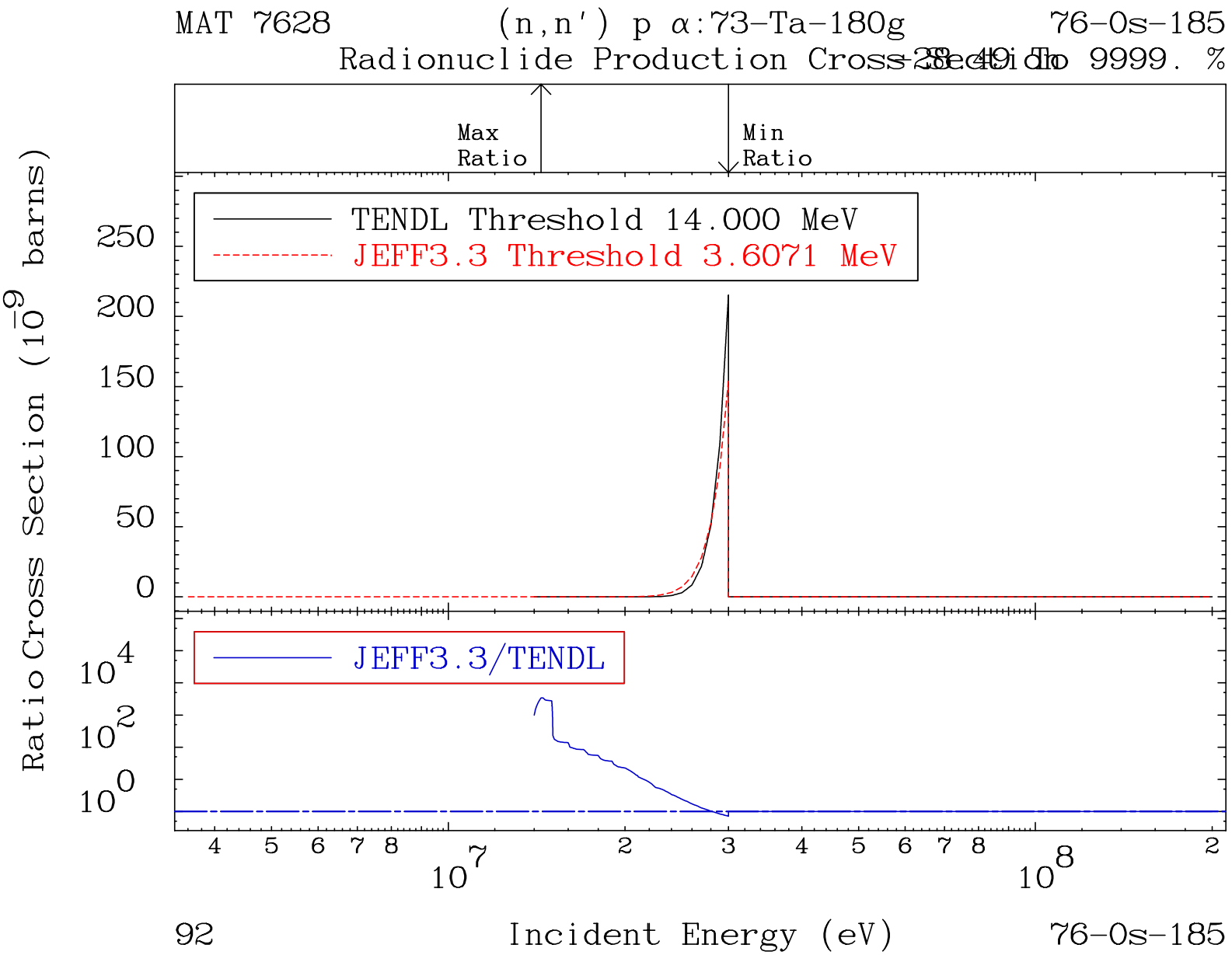

MAT 7628 (n,n') p:75-Re-184m5 76-0s-185
Radionuclide Production Cross Section To 160.8 %
Min
Ratio
TENDL Threshold 7.2000 MeV
JEFF3.3 Threshold 7.2000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
87 Incident Energy (eV) 76-0s-185

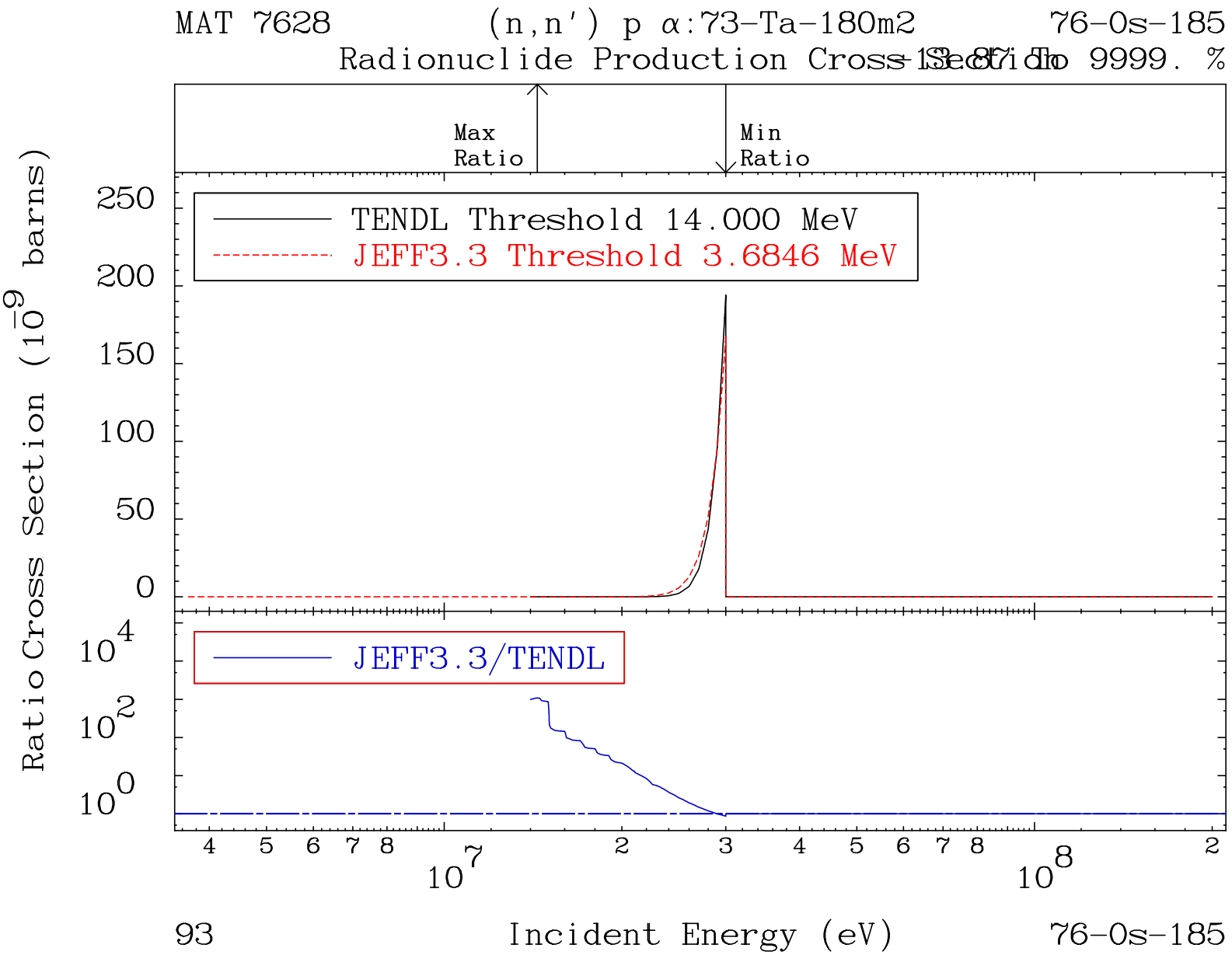

MAT 7628
(n,n') t:75-Re-182g
76-Os-185
Radionuclide Production Cross Section To 977.7 %
Max
Ratio
TENDL Threshold 12.377 MeV
JEFF3.3 Threshold 12.379 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
88
76-Os-185

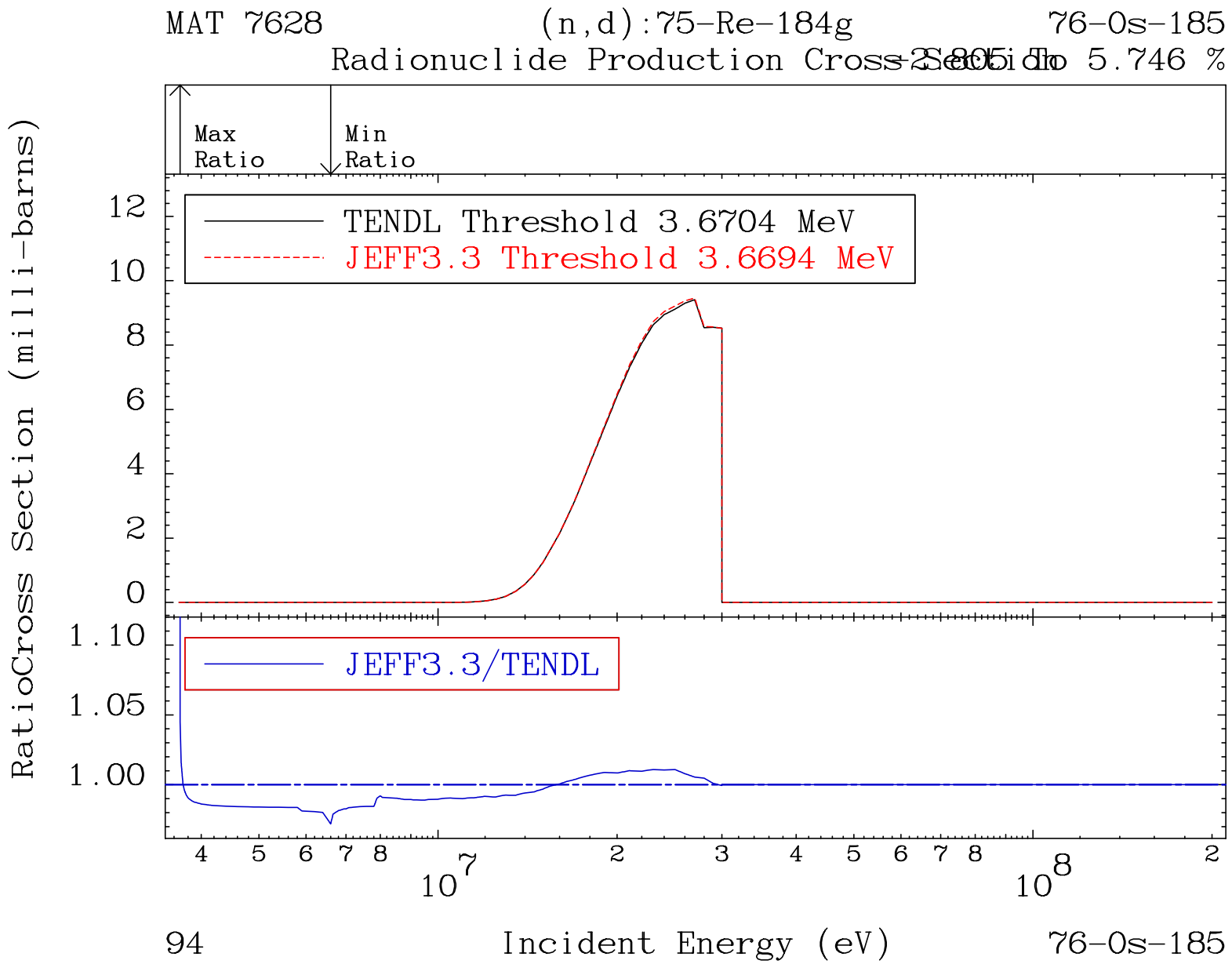

MAT 7628 (n,n') t:75-Re-182m2 76-0s-185
Radionuclide Production Cross Section To 146.1 %
Max Ratio
Min Ratio
TENDL Threshold 15.000 MeV
JEFF3.3 Threshold 12.540 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
89
Incident Energy (eV)
76-0s-185

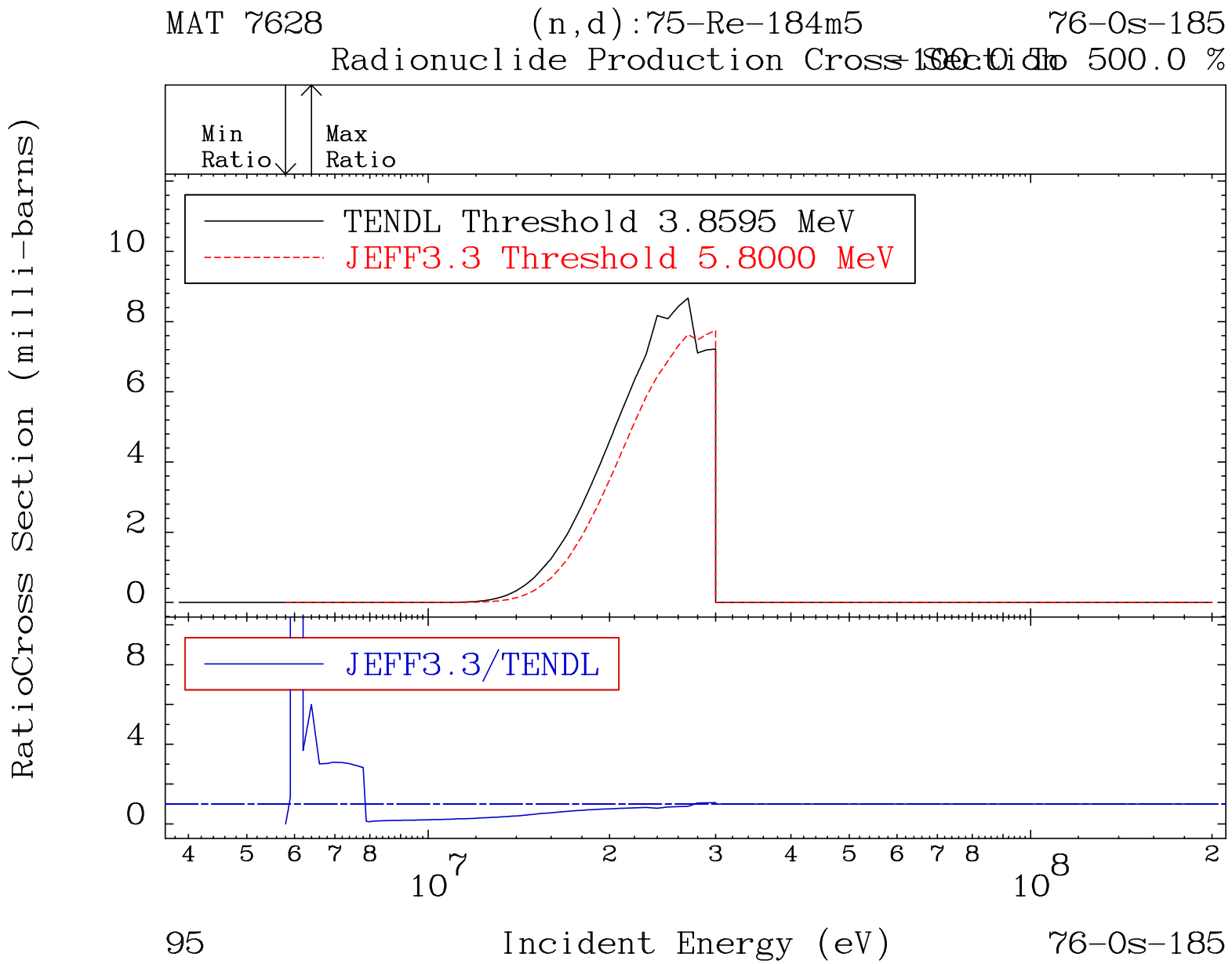

MAT 7628 (n,3n) p:75-Re-182g 76-Os-185
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 20.905 MeV
JEFF3.3 Threshold 20.907 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
200
100
0
20
10
0
20
40
60
80
100
120
140
160
180
200
90
Incident Energy (MeV)
76-Os-185

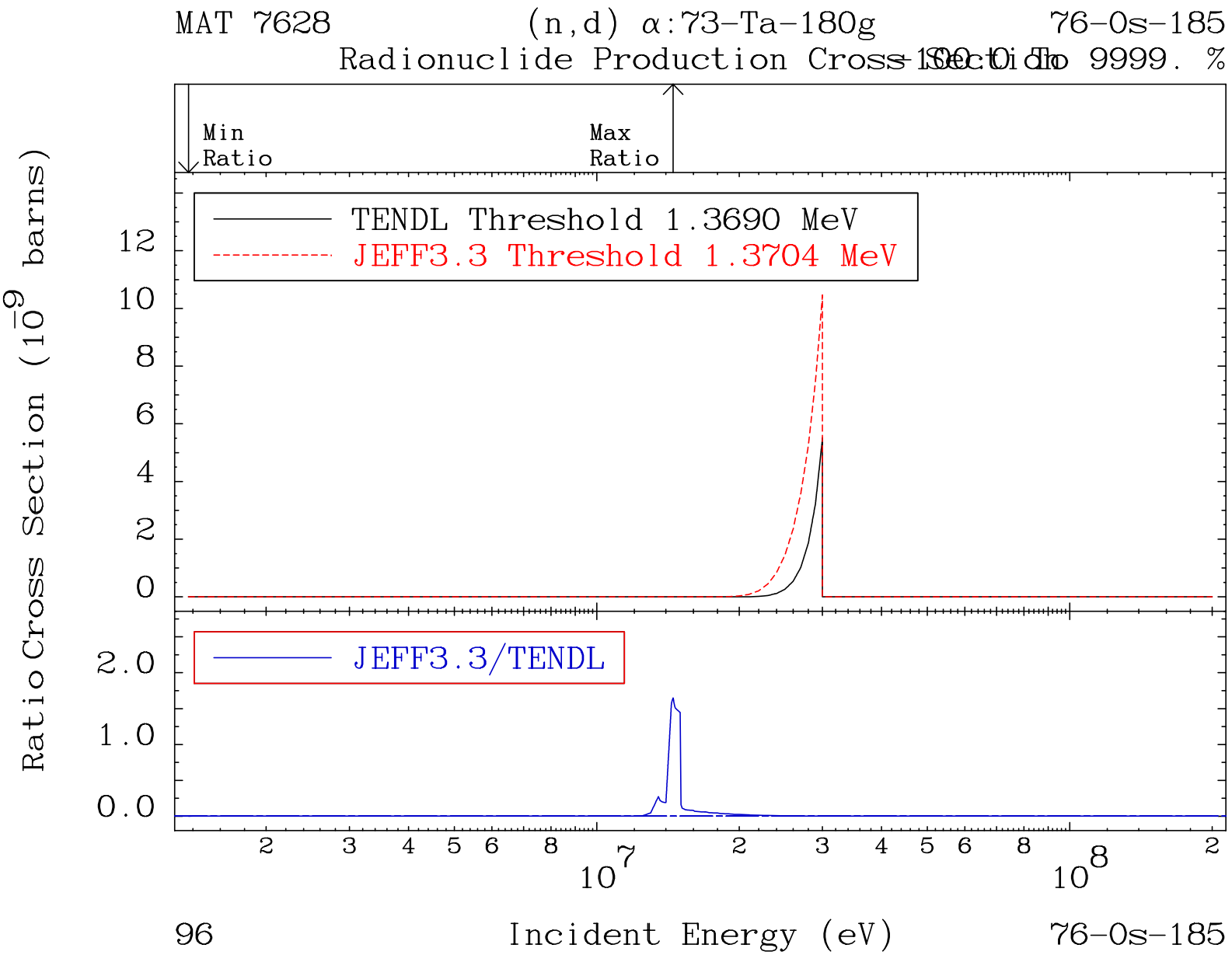

MAT 7628
(n,3n) p:75-Re-182m2
76-Os-185
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 21.066 MeV
JEFF3.3 Threshold 21.068 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
80
40
0
20
40
60
80
100
120
140
160
180
200
91
Incident Energy (MeV)
76-Os-185

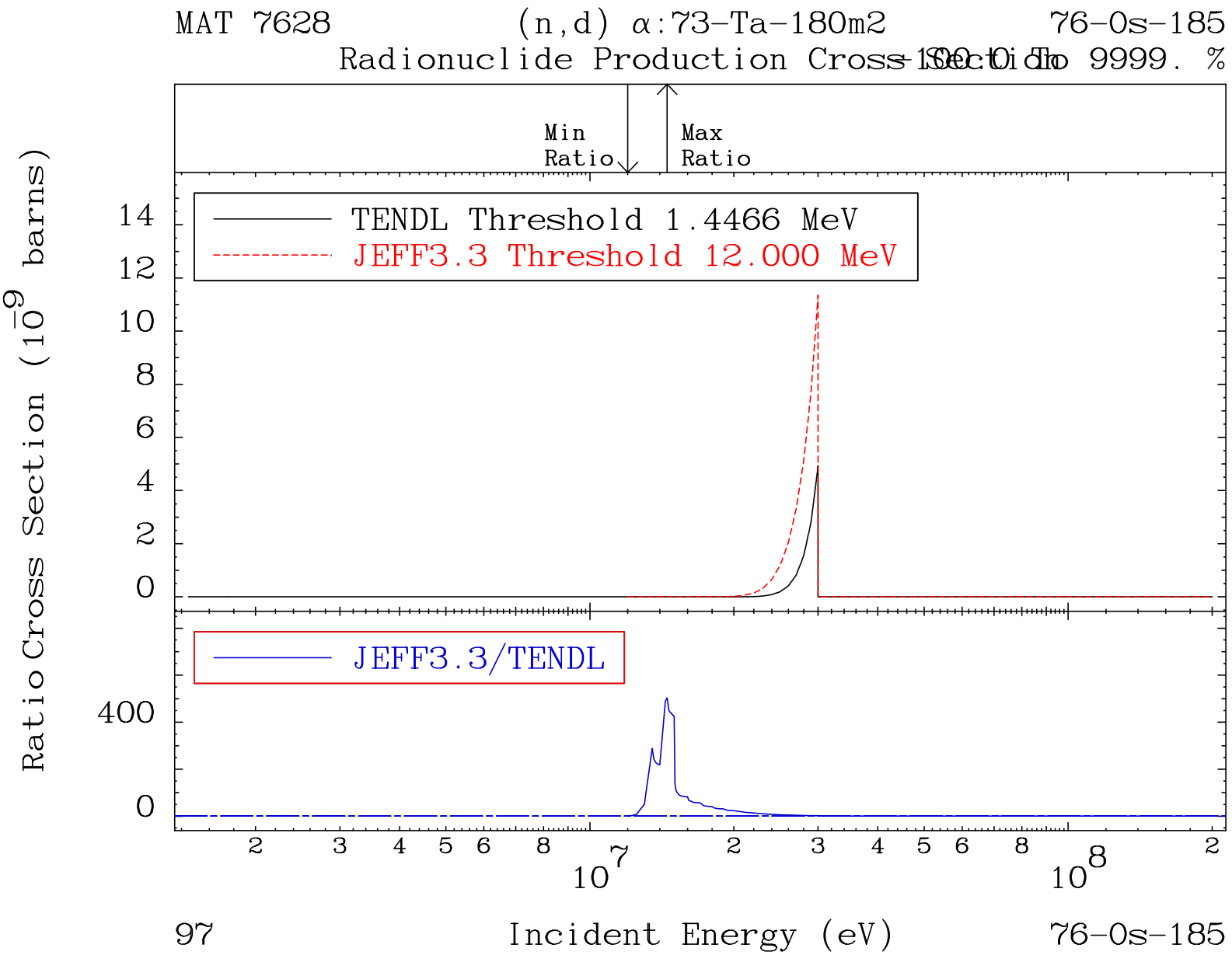

MAT 7628 (n,n') p α:73-Ta-180g 76-0s-185
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 14.000 MeV
JEFF3.3 Threshold 3.6071 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
250
200
150
100
50
0
10^4
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
92
Incident Energy (eV)
76-0s-185


MAT 7628 (n,n') p α:73-Ta-180m2 76-0s-185
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 14.000 MeV
JEFF3.3 Threshold 3.6846 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
250
200
150
100
50
0
10^4
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
93 Incident Energy (eV) 76-0s-185


MAT 7628
(n,d):75-Re-184g
76-Os-185
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 3.6704 MeV
JEFF3.3 Threshold 3.6694 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
94


MAT 7628
(n,d):75-Re-184m5
76-0s-185
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 3.8595 MeV
JEFF3.3 Threshold 5.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
95
76-0s-185


MAT 7628
(n,d) α:73-Ta-180g
76-0s-185
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3690 MeV
JEFF3.3 Threshold 1.3704 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
12
10
8
6
4
2
0
2.0
1.0
0.0
2
3
4
5
6
8
10^{7}
2
3
4
5
6
8
10^{8}
2
96
Incident Energy (eV)
76-0s-185


MAT 7628
(n,d) α:73-Ta-180m2
76-0s-185
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4466 MeV
JEFF3.3 Threshold 12.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
14
12
10
8
6
4
2
0
400
0
2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
97
Incident Energy (eV)
76-0s-185