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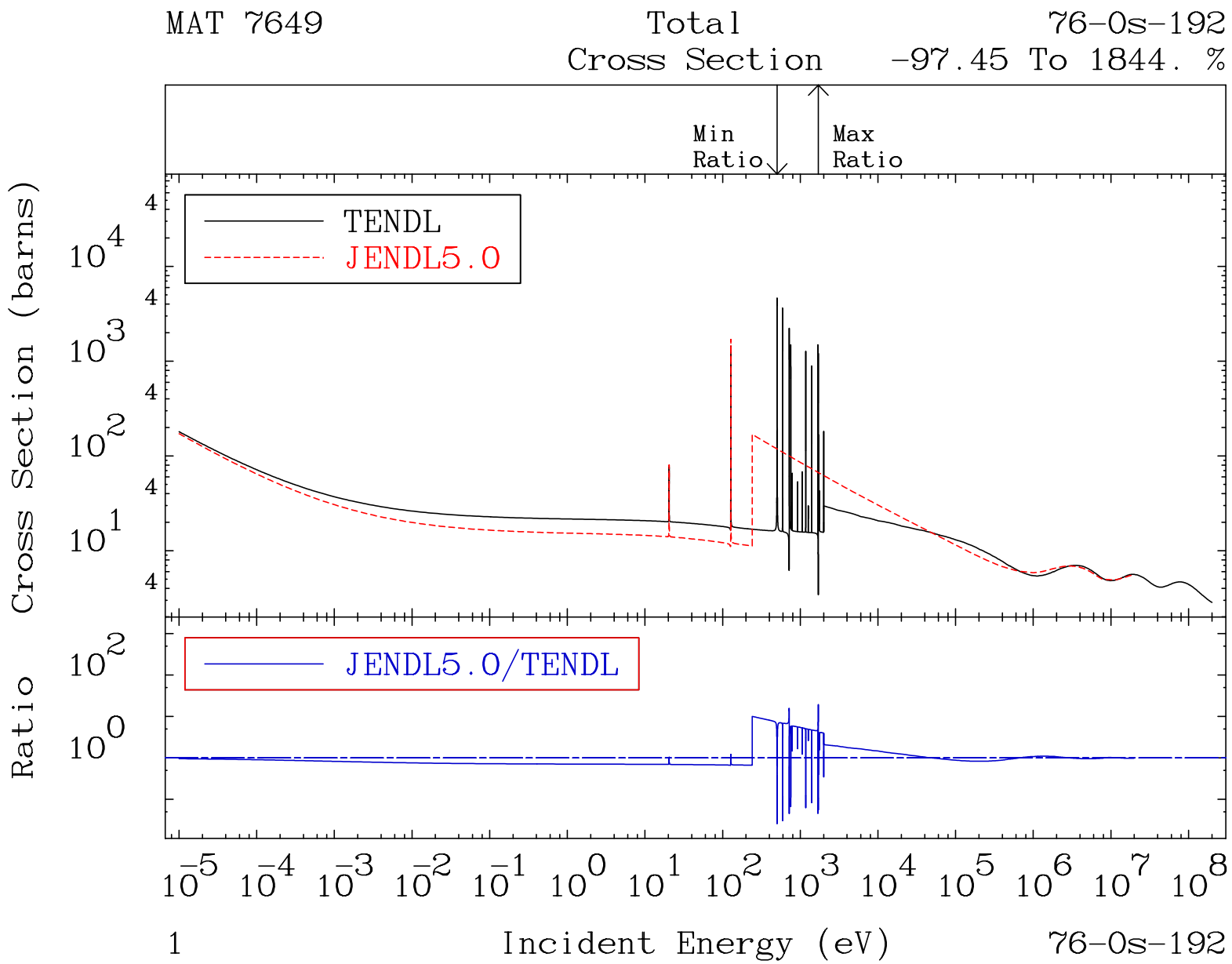
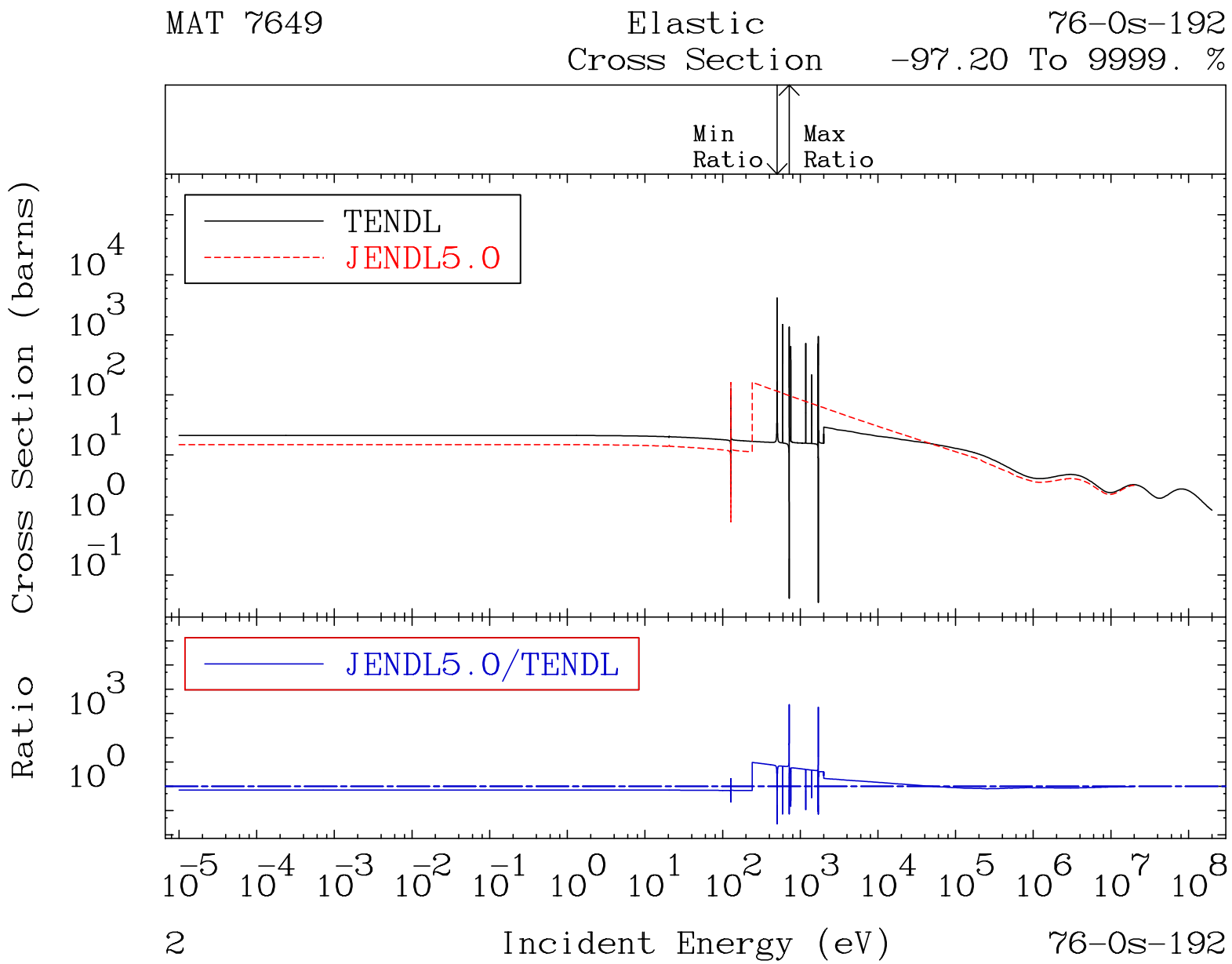
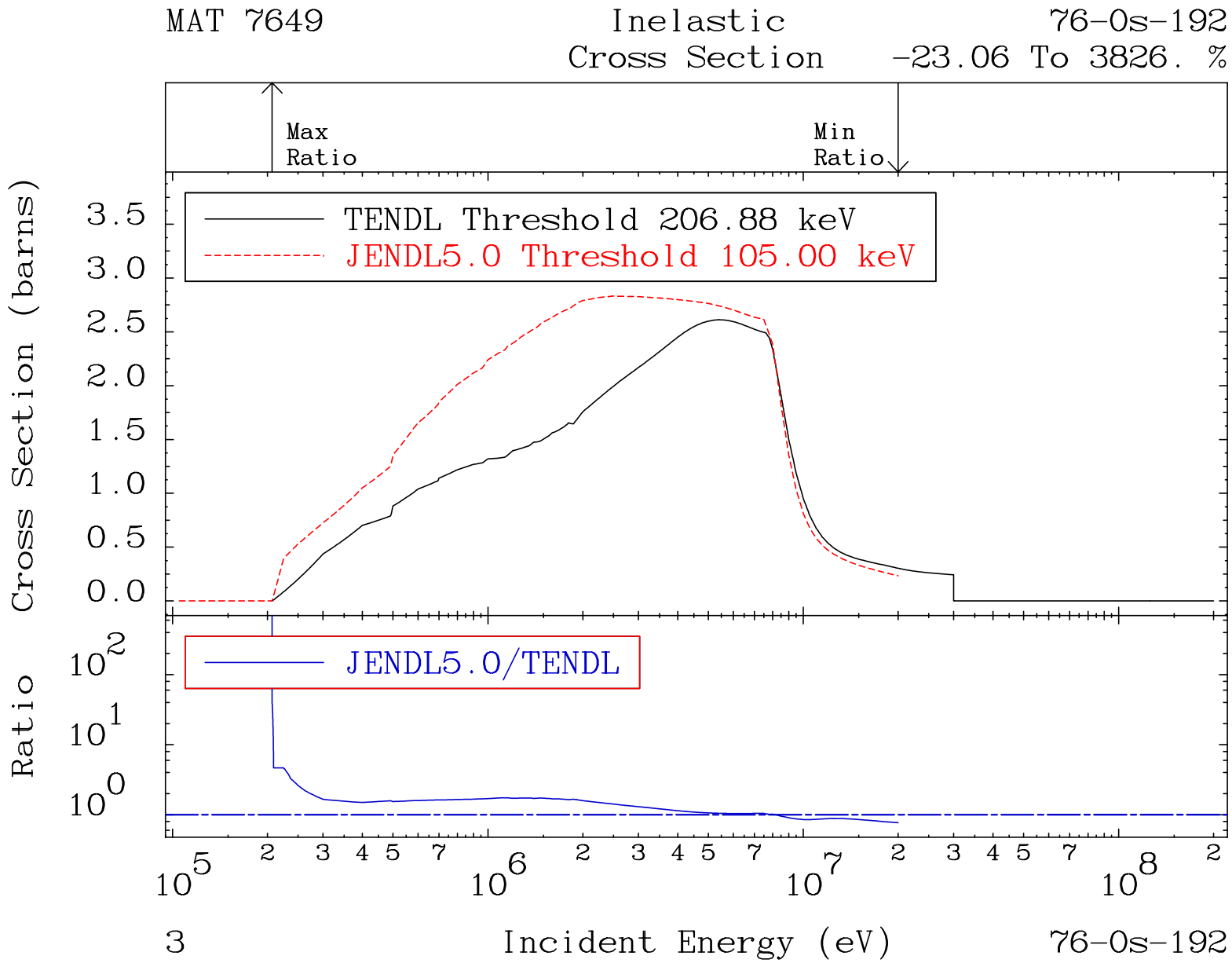
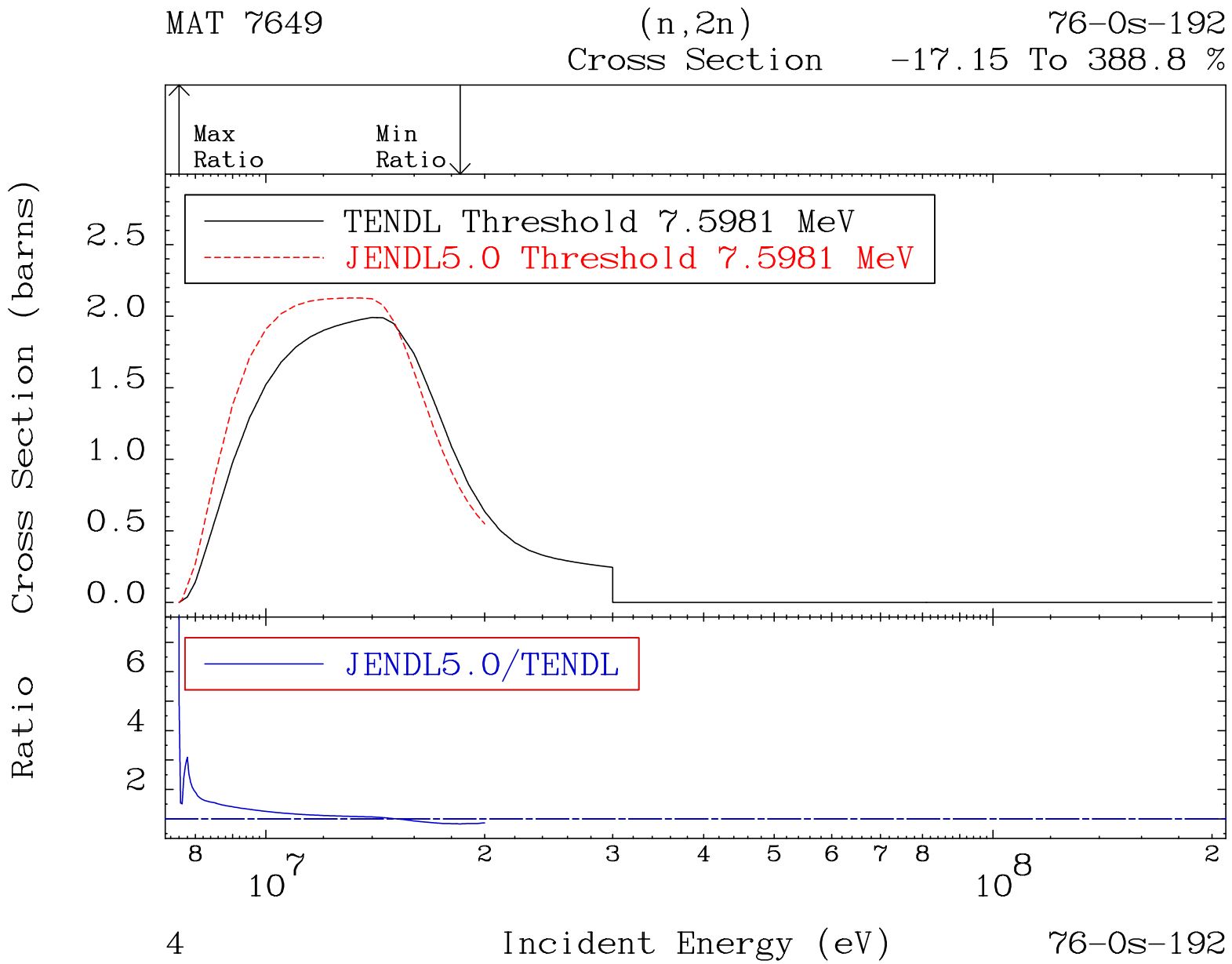
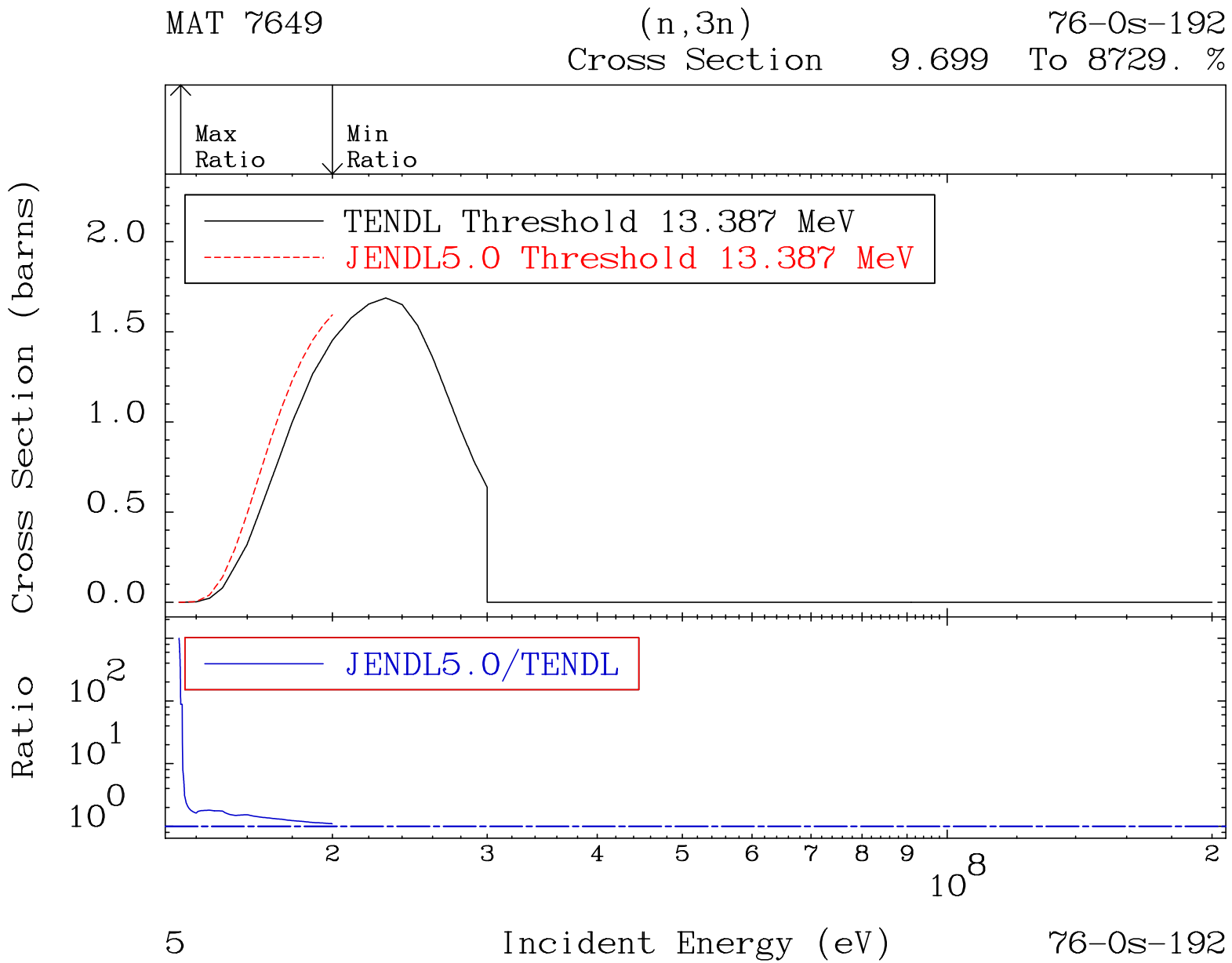
Press Mouse Button to Start

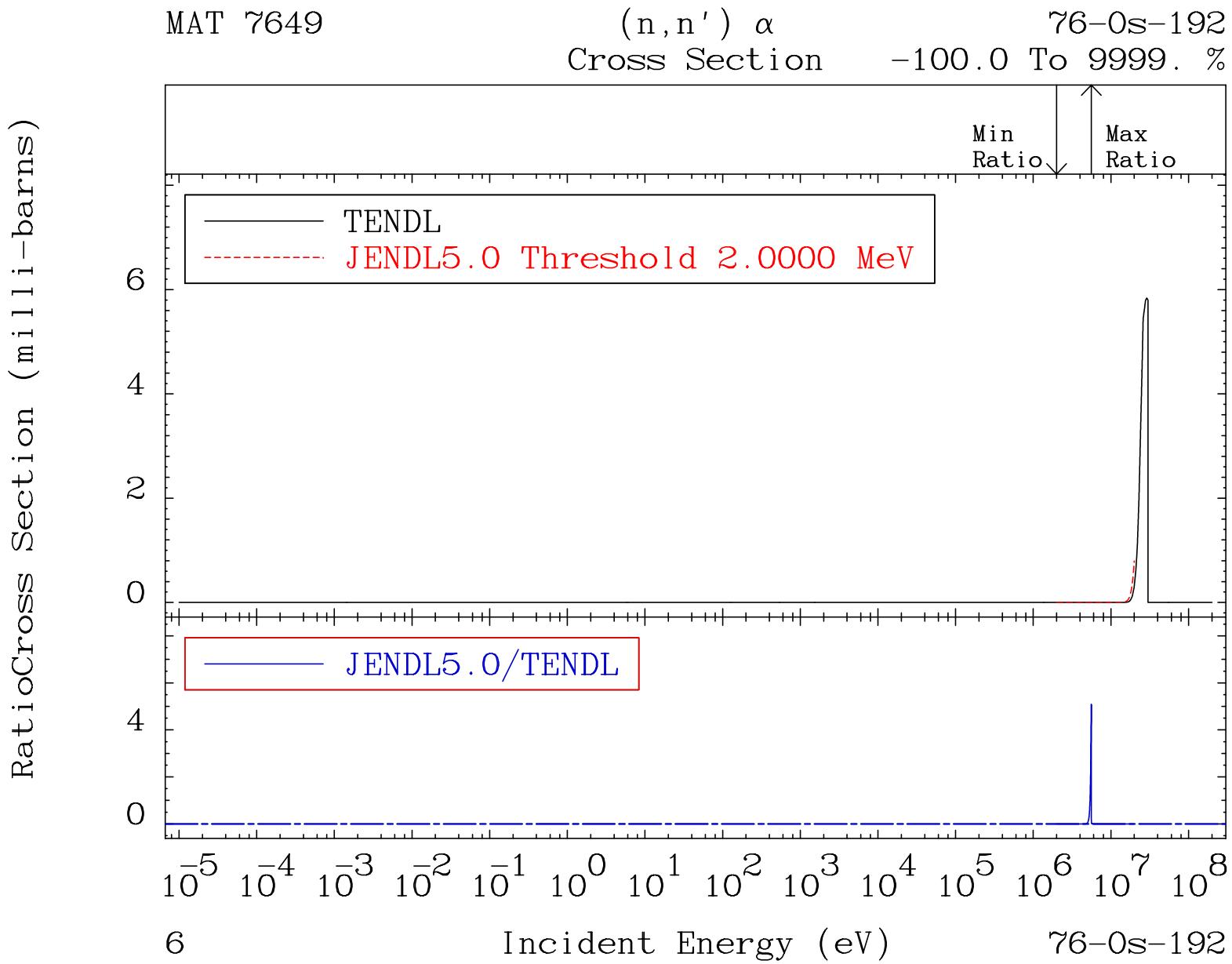

MAT 7649
Total
Cross Section
76-0s-192
-97.45 To 1844. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
76-0s-192

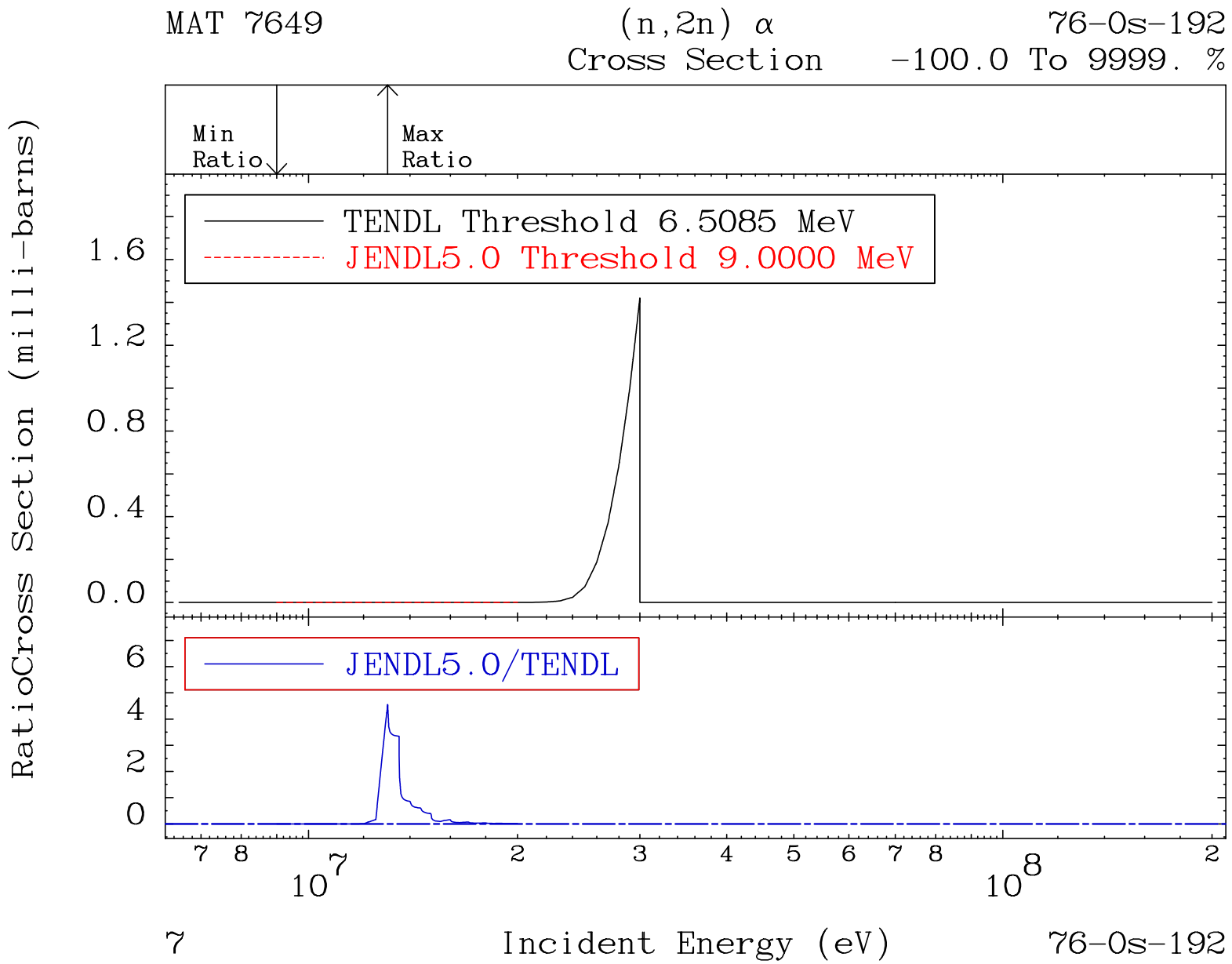

MAT 7649
Elastic
Cross Section
76-0s-192
-97.20 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
76-0s-192

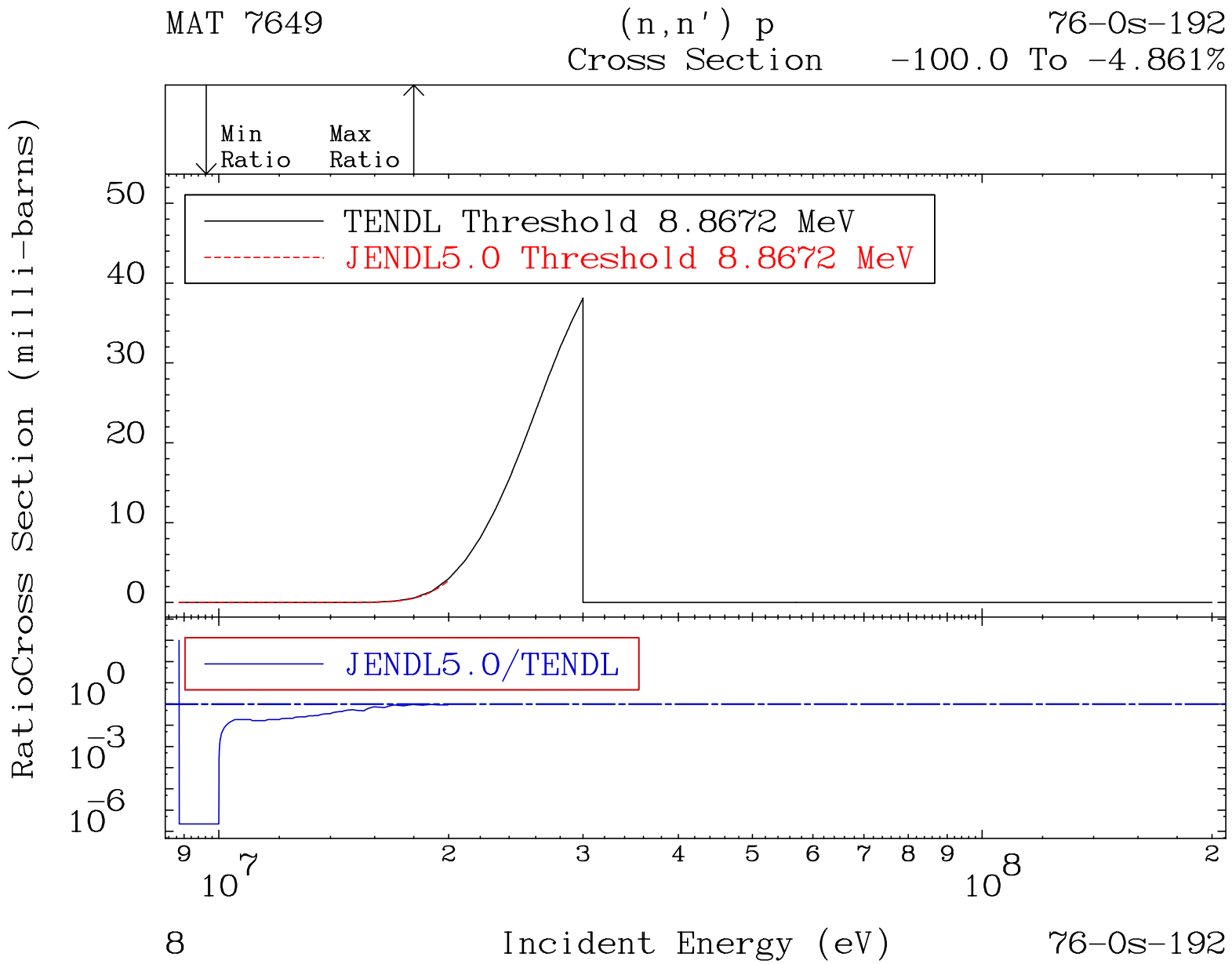

MAT 7649
Inelastic
Cross Section
76-0s-192
-23.06 To 3826. %
Max
Ratio
Min
Ratio
TENDL Threshold 206.88 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
76-0s-192

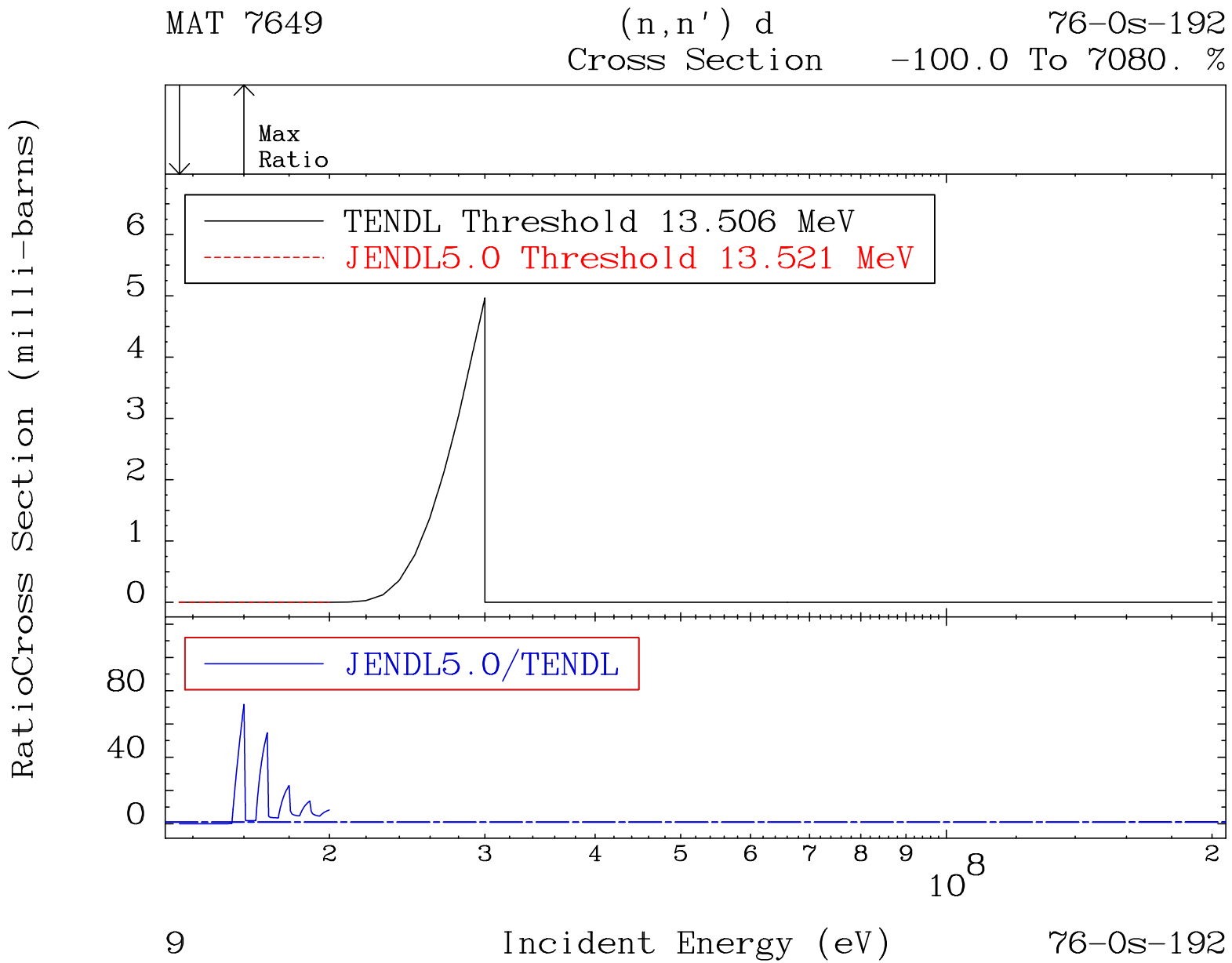

MAT 7649
(n,2n)
Cross Section
76-0s-192
-17.15 To 388.8 %
Max Ratio
Min Ratio
TENDL Threshold 7.5981 MeV
JENDL5.0 Threshold 7.5981 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
4
76-0s-192

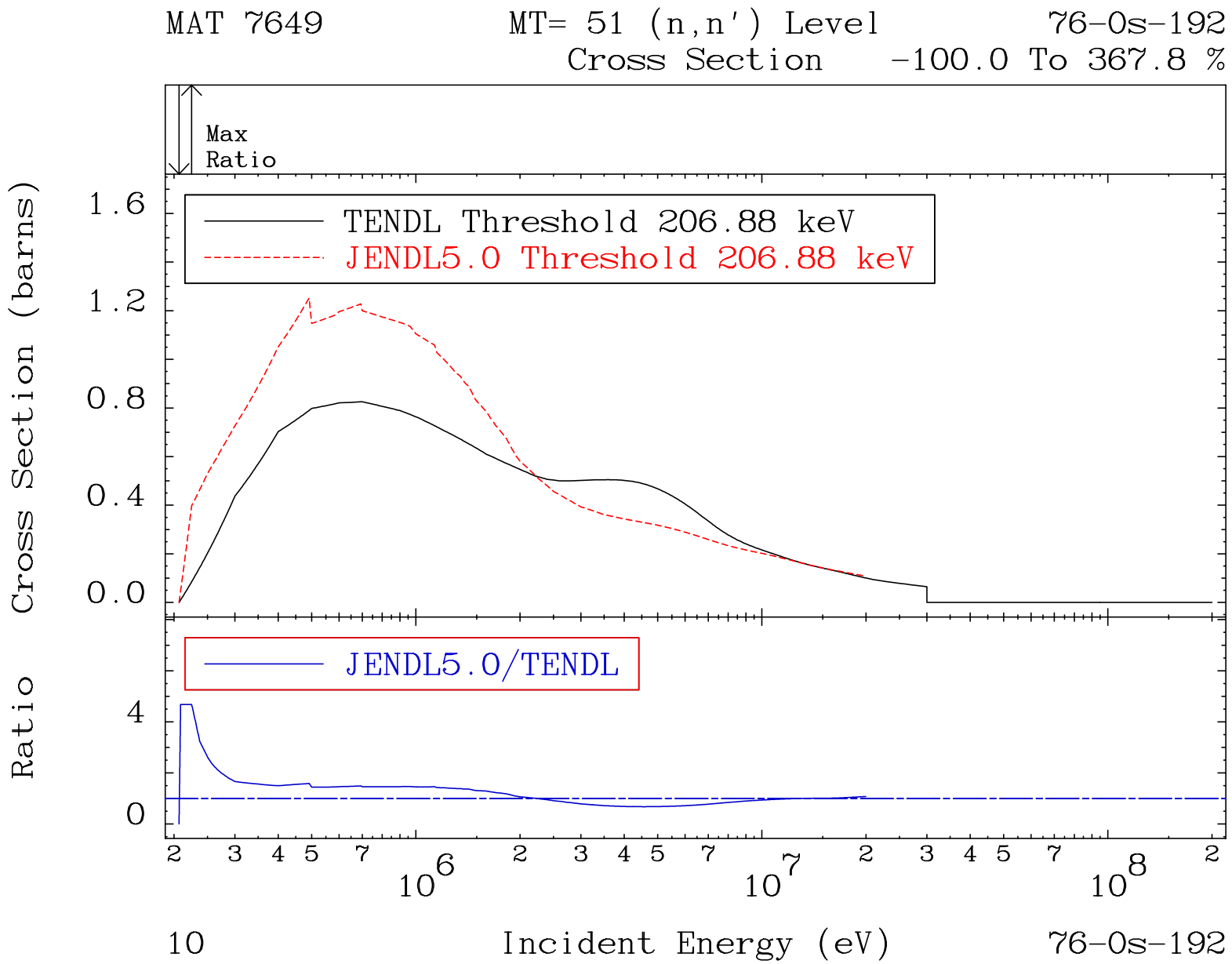

MAT 7649
(n,3n)
76-0s-192
Cross Section 9.699 To 8729. %
Max Ratio
Min Ratio
TENDL Threshold 13.387 MeV
JENDL5.0 Threshold 13.387 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
76-0s-192

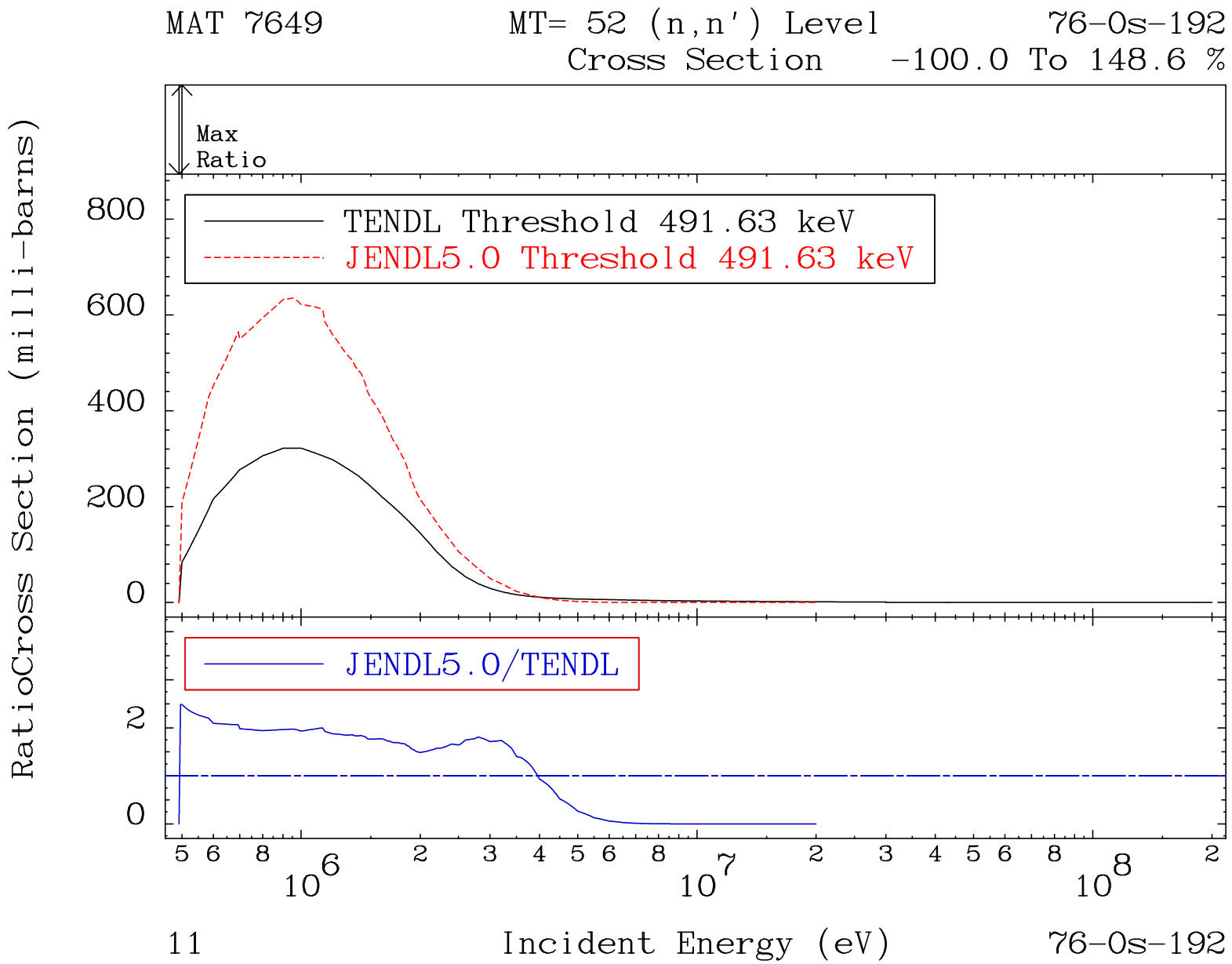

MAT 7649
(n,n') α
Cross Section
76-0s-192
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 2.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
6
76-0s-192

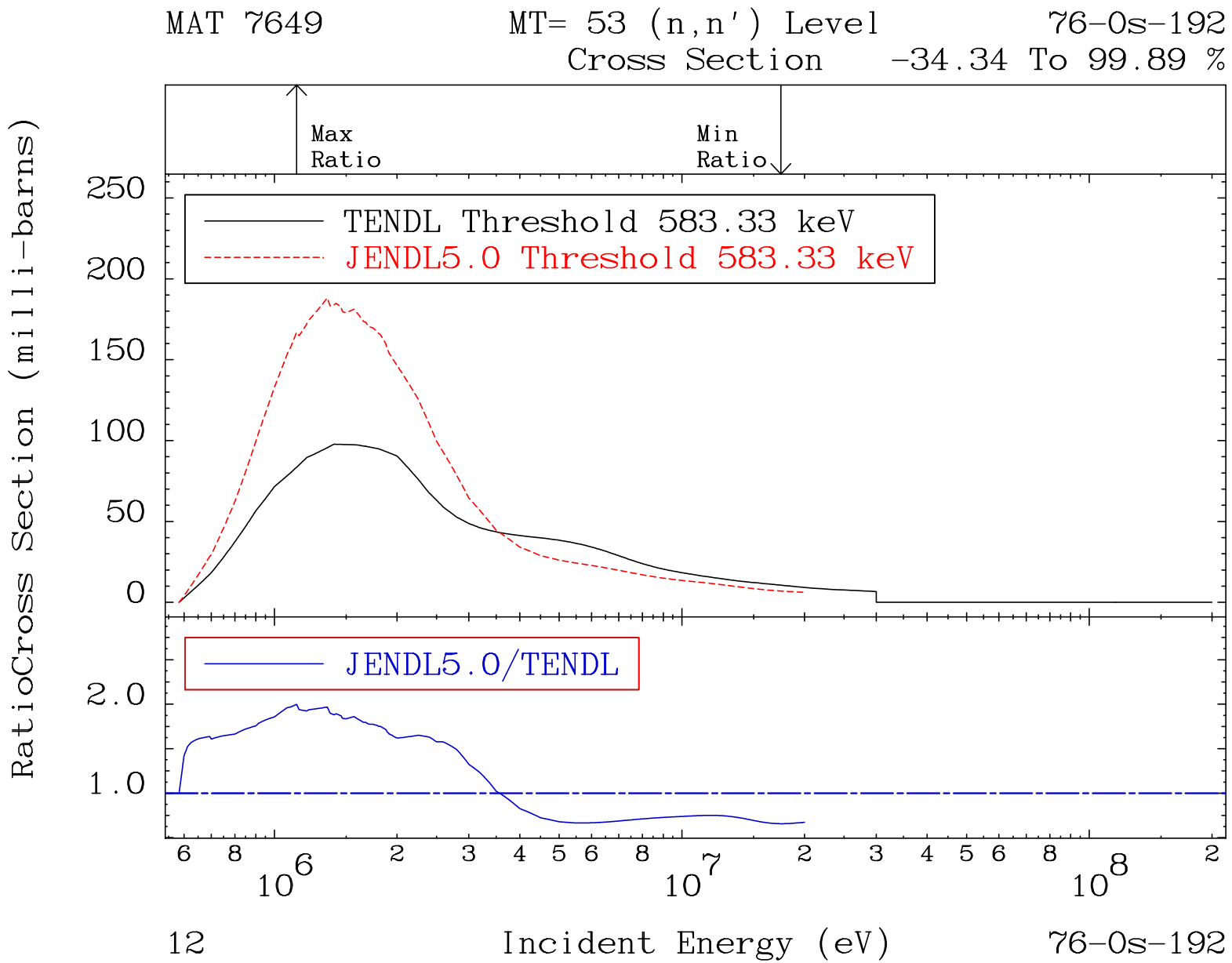

MAT 7649
(n,2n) α
Cross Section
76-0s-192
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.5085 MeV
JENDL5.0 Threshold 9.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
6
4
2
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
76-0s-192

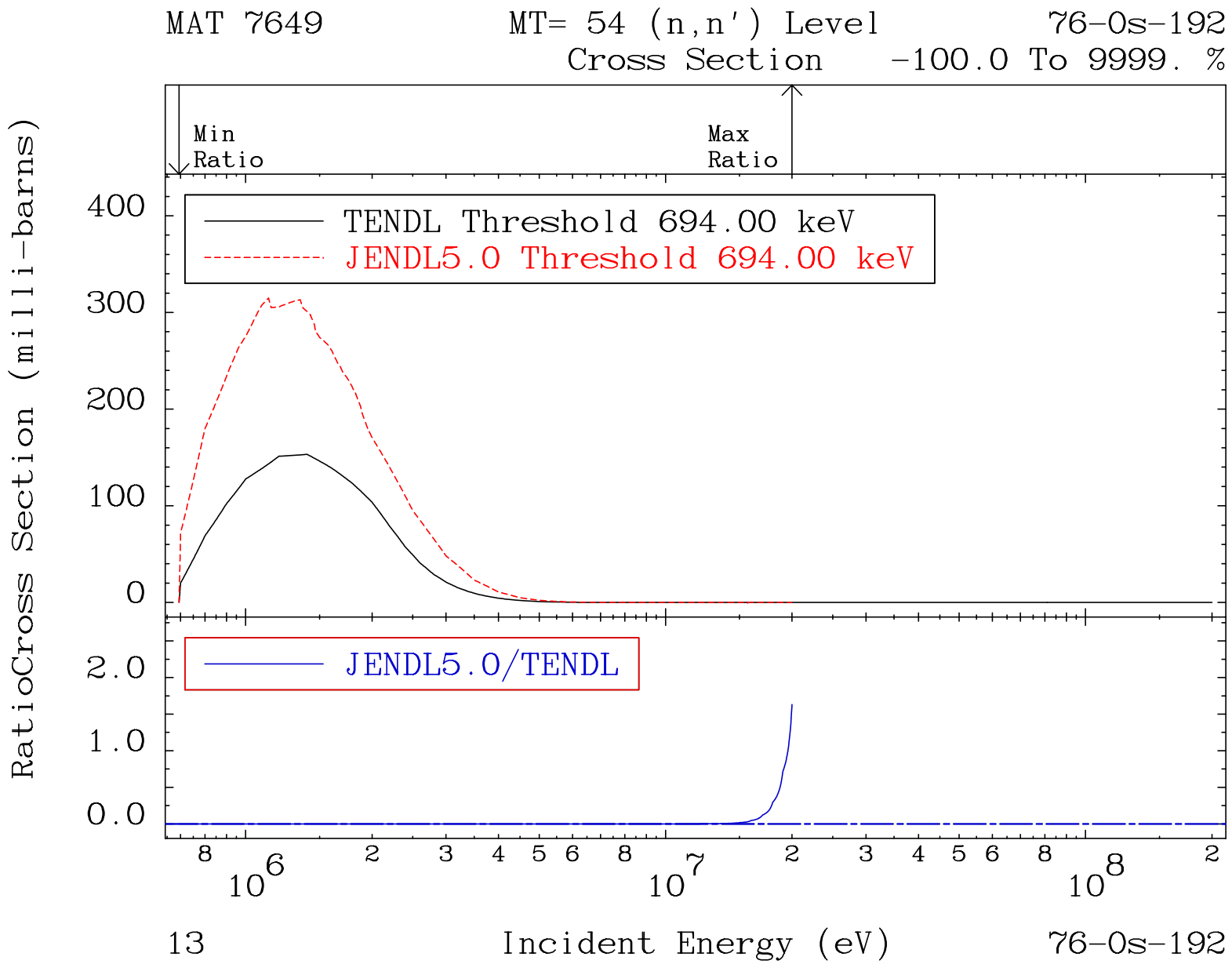

MAT 7649
(n,n') p
Cross Section
76-0s-192
-100.0 To -4.861%
Min Ratio
Max Ratio
TENDL Threshold 8.8672 MeV
JENDL5.0 Threshold 8.8672 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
76-0s-192

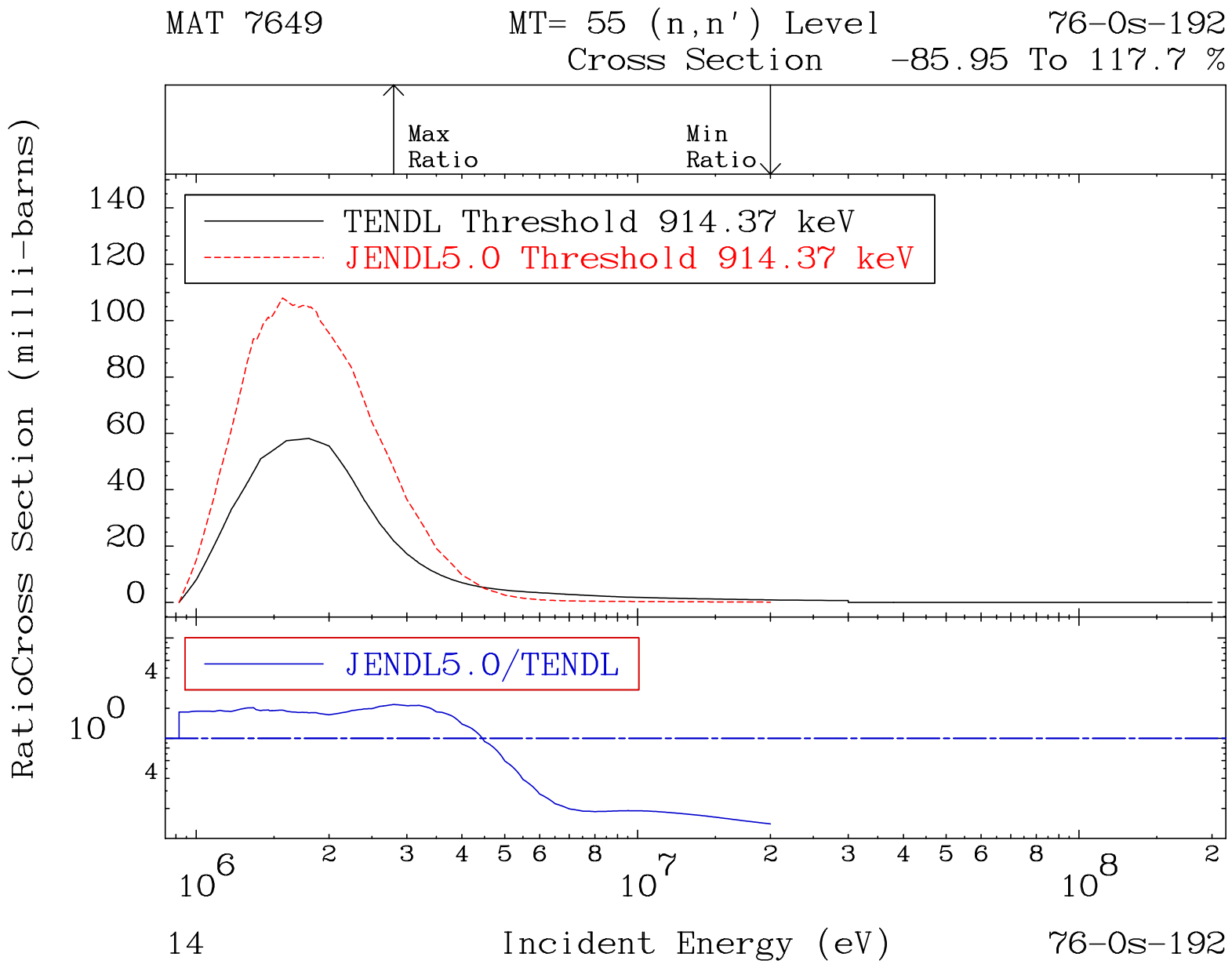

MAT 7649
(n,n') d
Cross Section
76-0s-192
-100.0 To 7080. %
Max
Ratio
TENDL Threshold 13.506 MeV
JENDL5.0 Threshold 13.521 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
76-0s-192

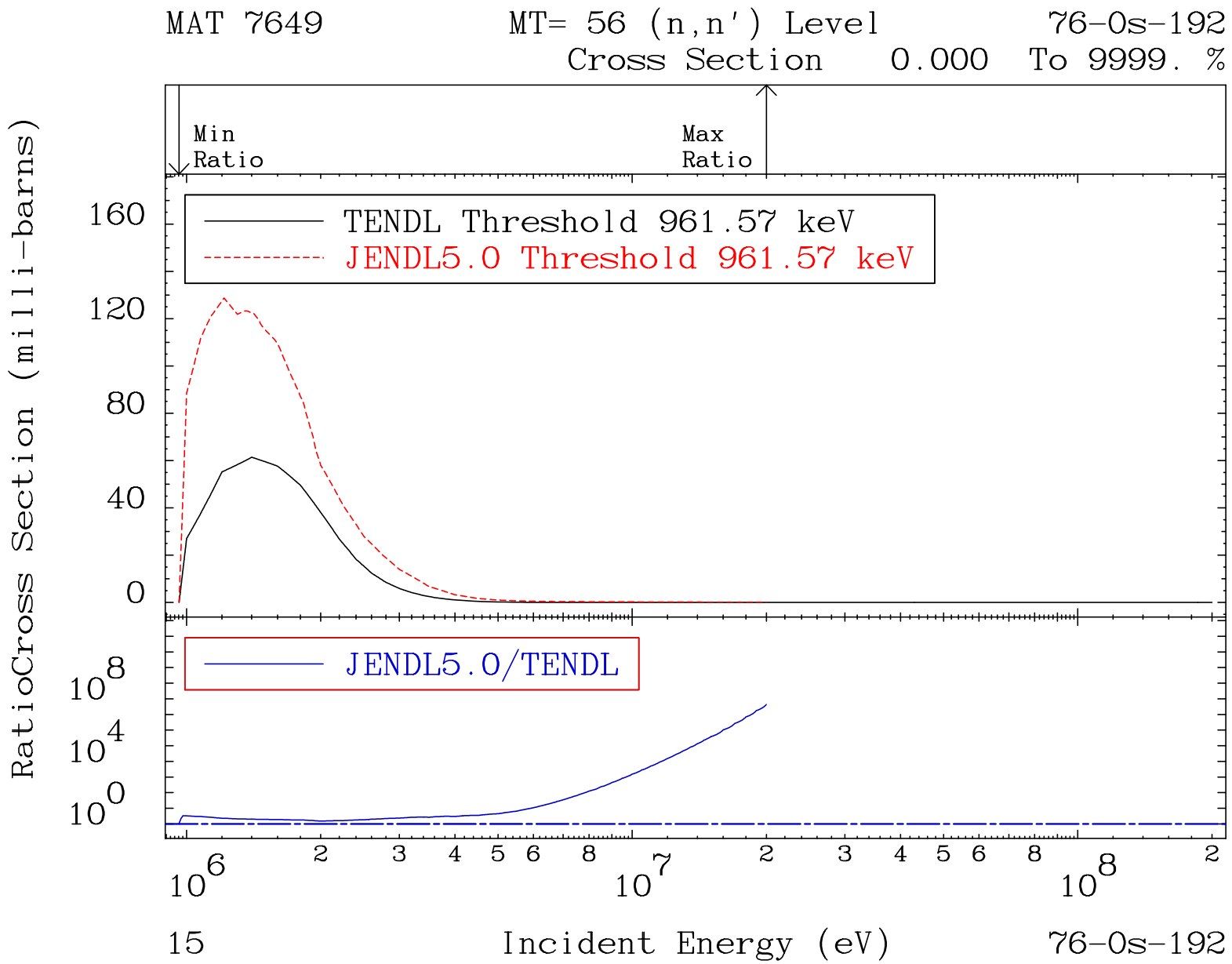

MAT 7649
MT= 51 (n,n') Level
76-0s-192
Cross Section -100.0 To 367.8 %
Max
Ratio
TENDL Threshold 206.88 keV
JENDL5.0 Threshold 206.88 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
4
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
10
Incident Energy (eV)
76-0s-192

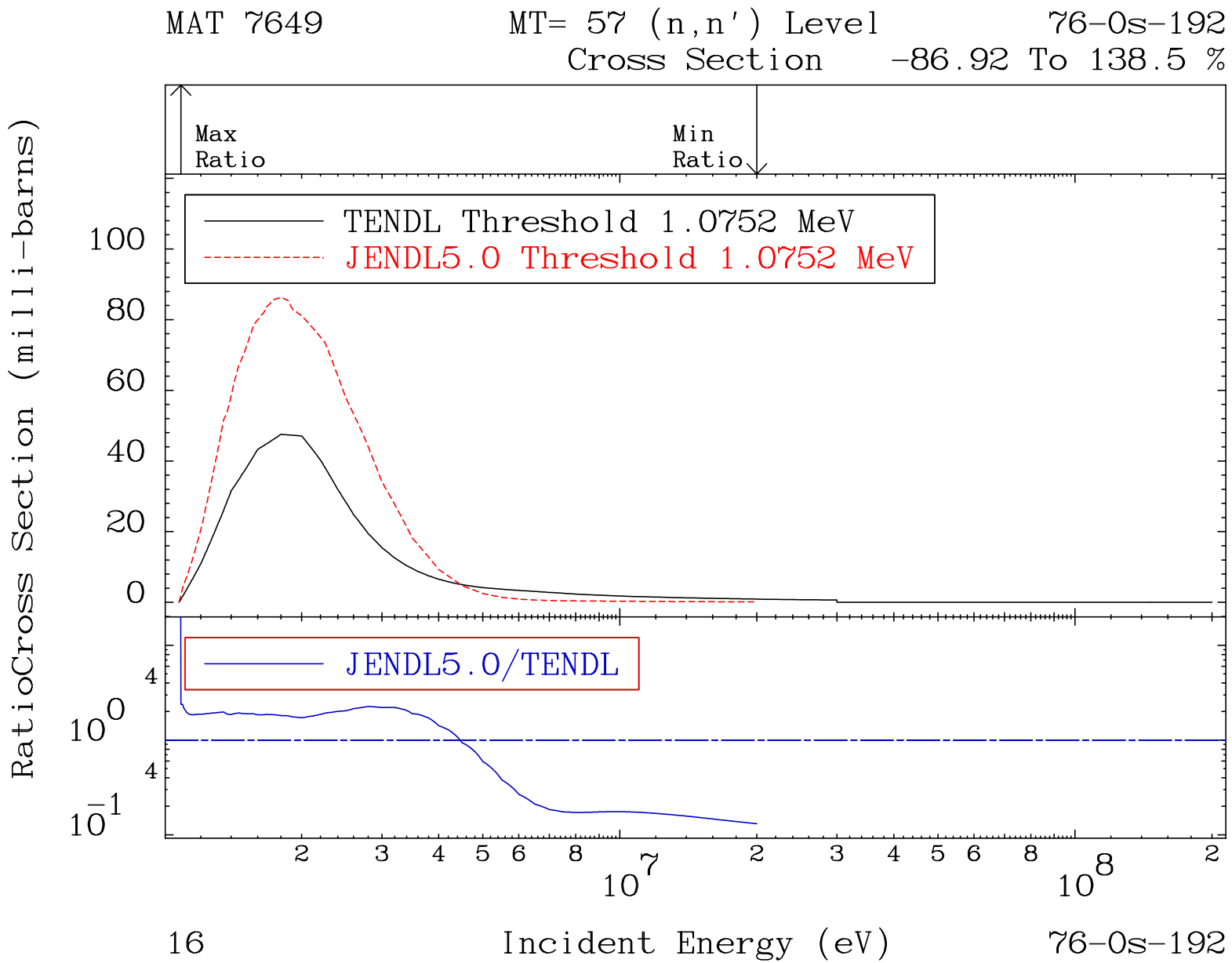

MAT 7649
MT= 52 (n,n') Level
76-0s-192
Cross Section
-100.0 To 148.6 %
Max
Ratio
TENDL Threshold 491.63 keV
JENDL5.0 Threshold 491.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
76-0s-192

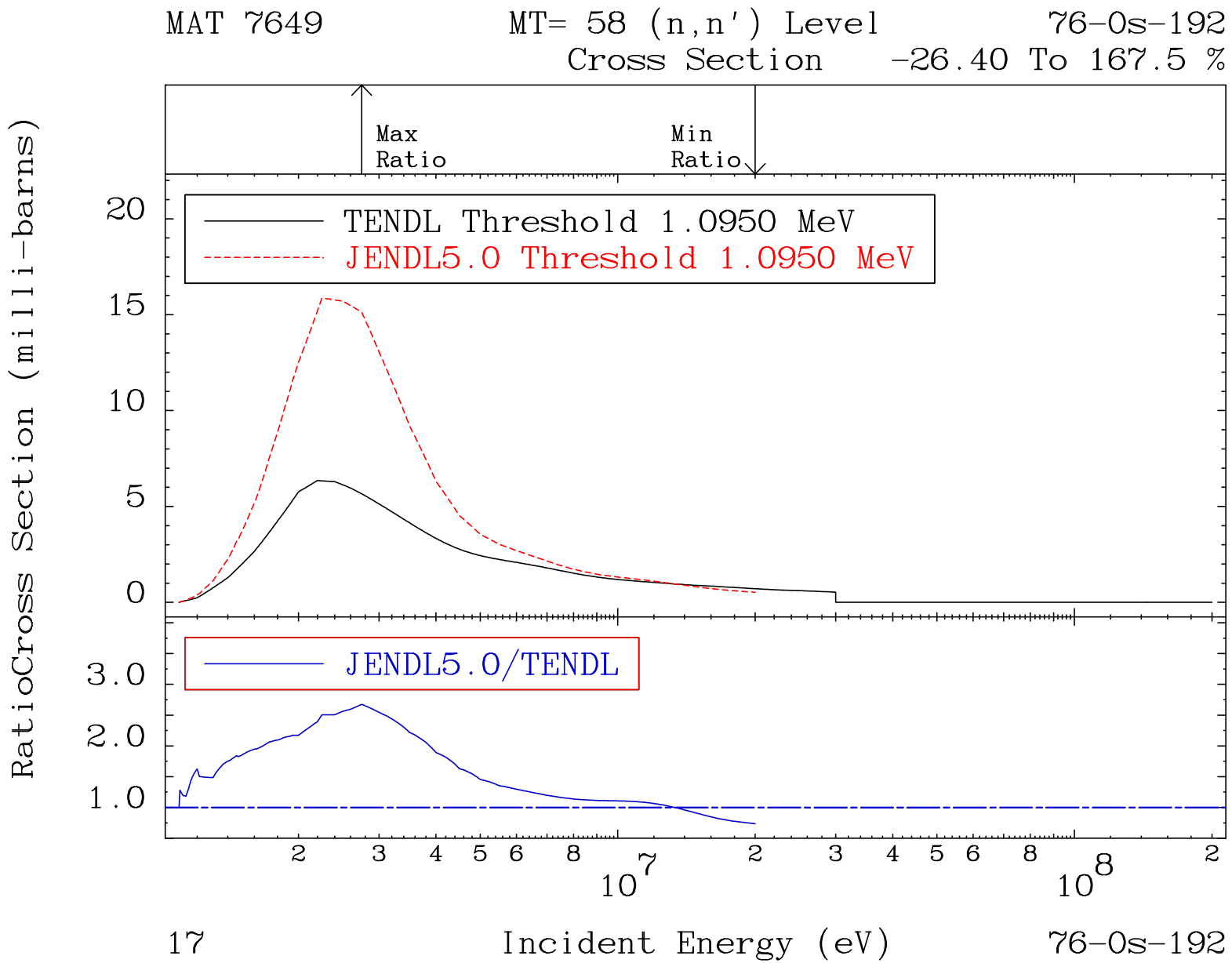

MAT 7649
MT= 53 (n,n') Level
Cross Section
76-0s-192
-34.34 To 99.89 %
Max Ratio
Min Ratio
TENDL Threshold 583.33 keV
JENDL5.0 Threshold 583.33 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
76-0s-192

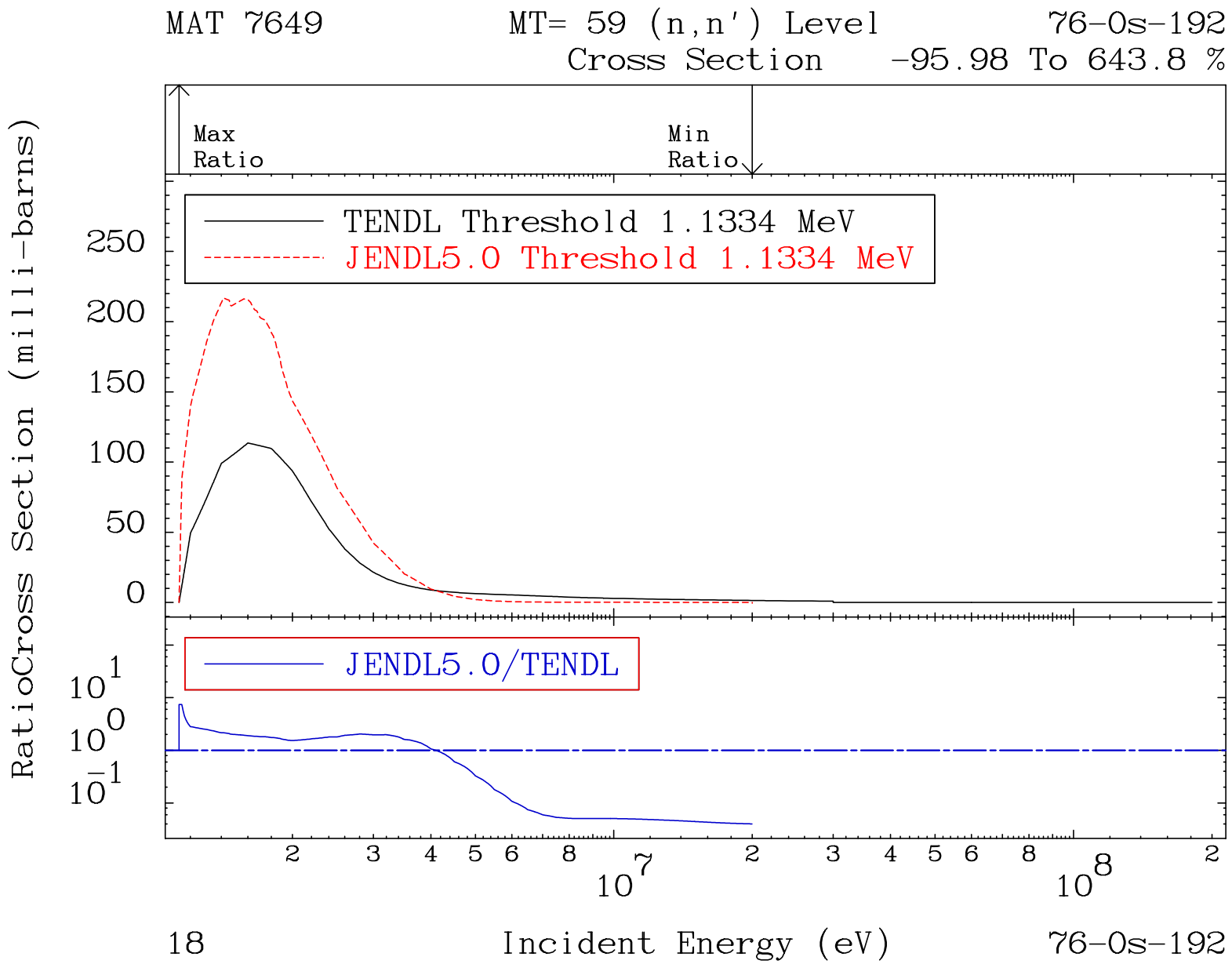

MAT 7649
MT= 54 (n,n') Level
76-0s-192
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 694.00 keV
JENDL5.0 Threshold 694.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
13
Incident Energy (eV)
76-0s-192

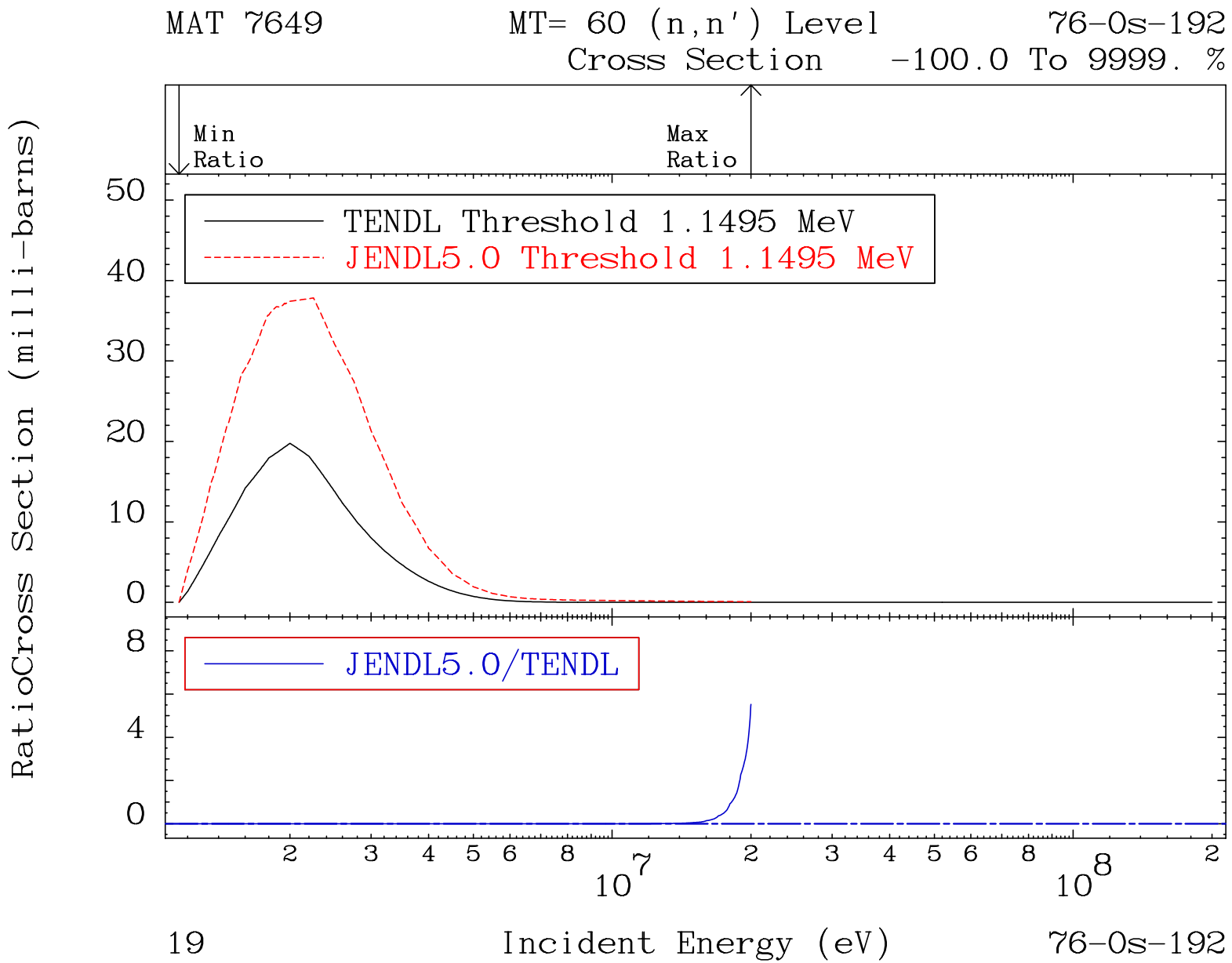

MAT 7649
MT= 55 (n,n') Level
76-0s-192
Cross Section -85.95 To 117.7 %
Max Ratio
Min Ratio
TENDL Threshold 914.37 keV
JENDL5.0 Threshold 914.37 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
76-0s-192

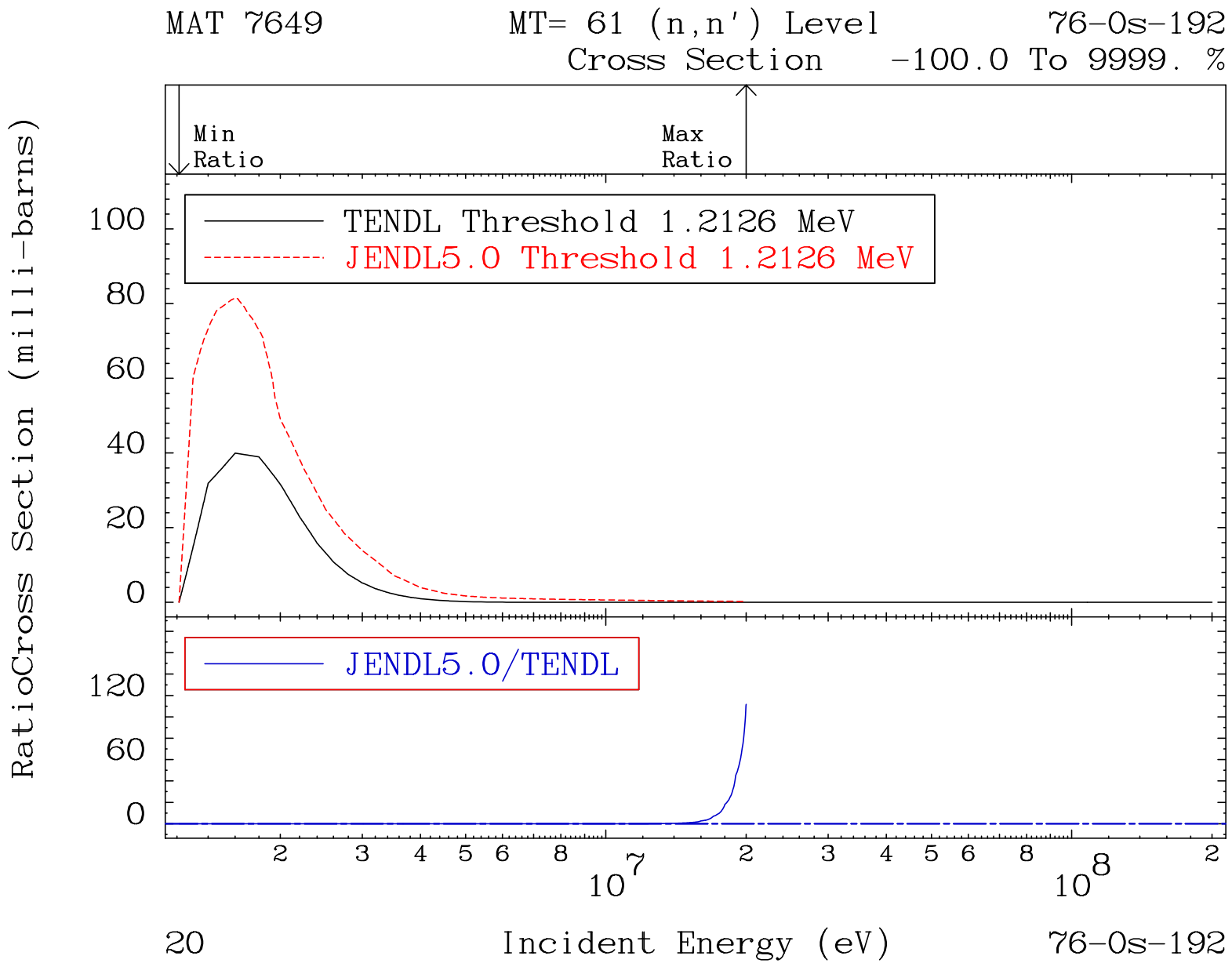

MAT 7649
MT= 56 (n,n') Level
76-0s-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 961.57 keV
JENDL5.0 Threshold 961.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^8
10^4
10^0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
15
Incident Energy (eV)
76-0s-192

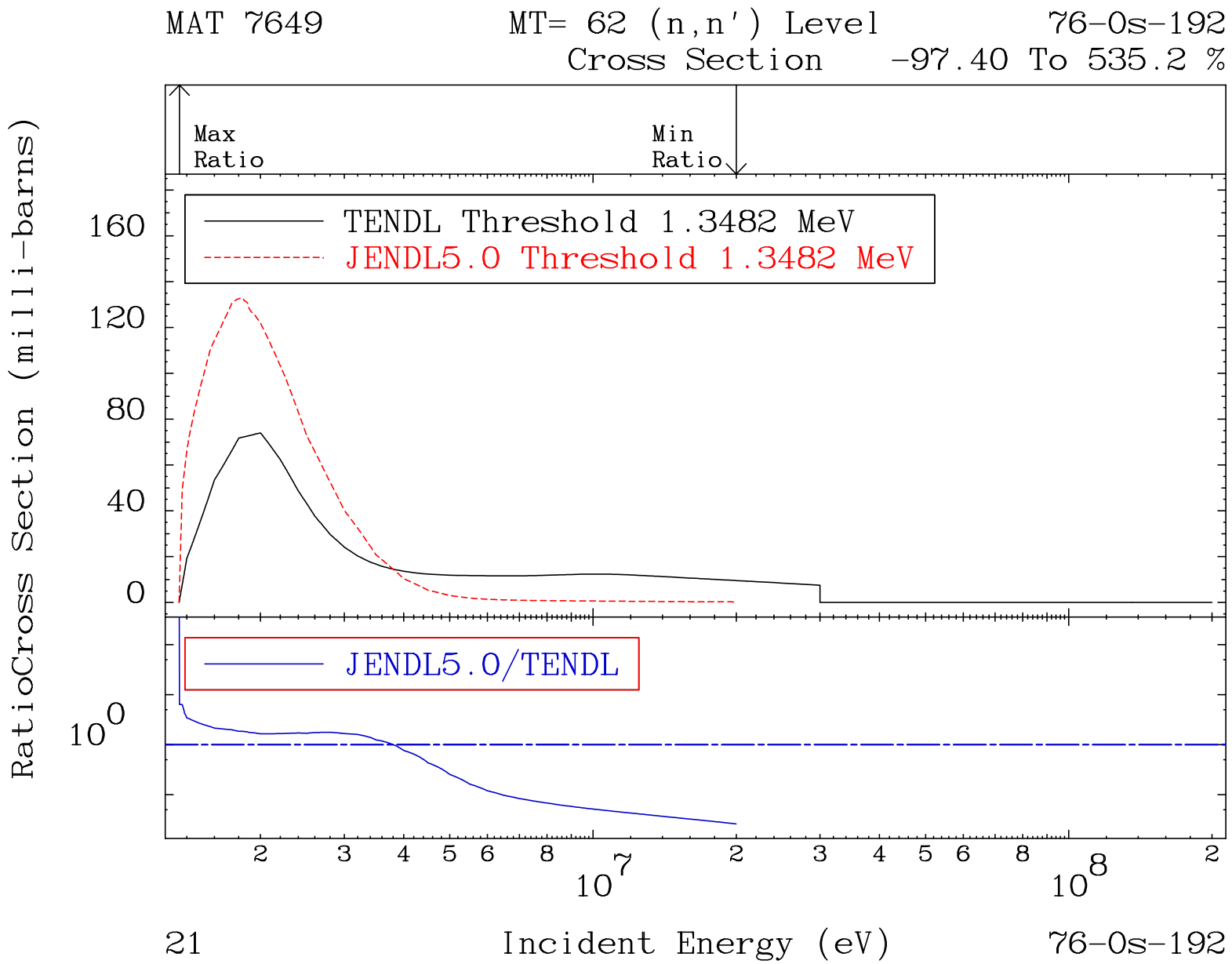

MAT 7649
MT= 57 (n,n') Level
76-0s-192
Cross Section -86.92 To 138.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.0752 MeV
JENDL5.0 Threshold 1.0752 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
10^{0}
4
10^{-1}
2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
16
Incident Energy (eV)
76-0s-192

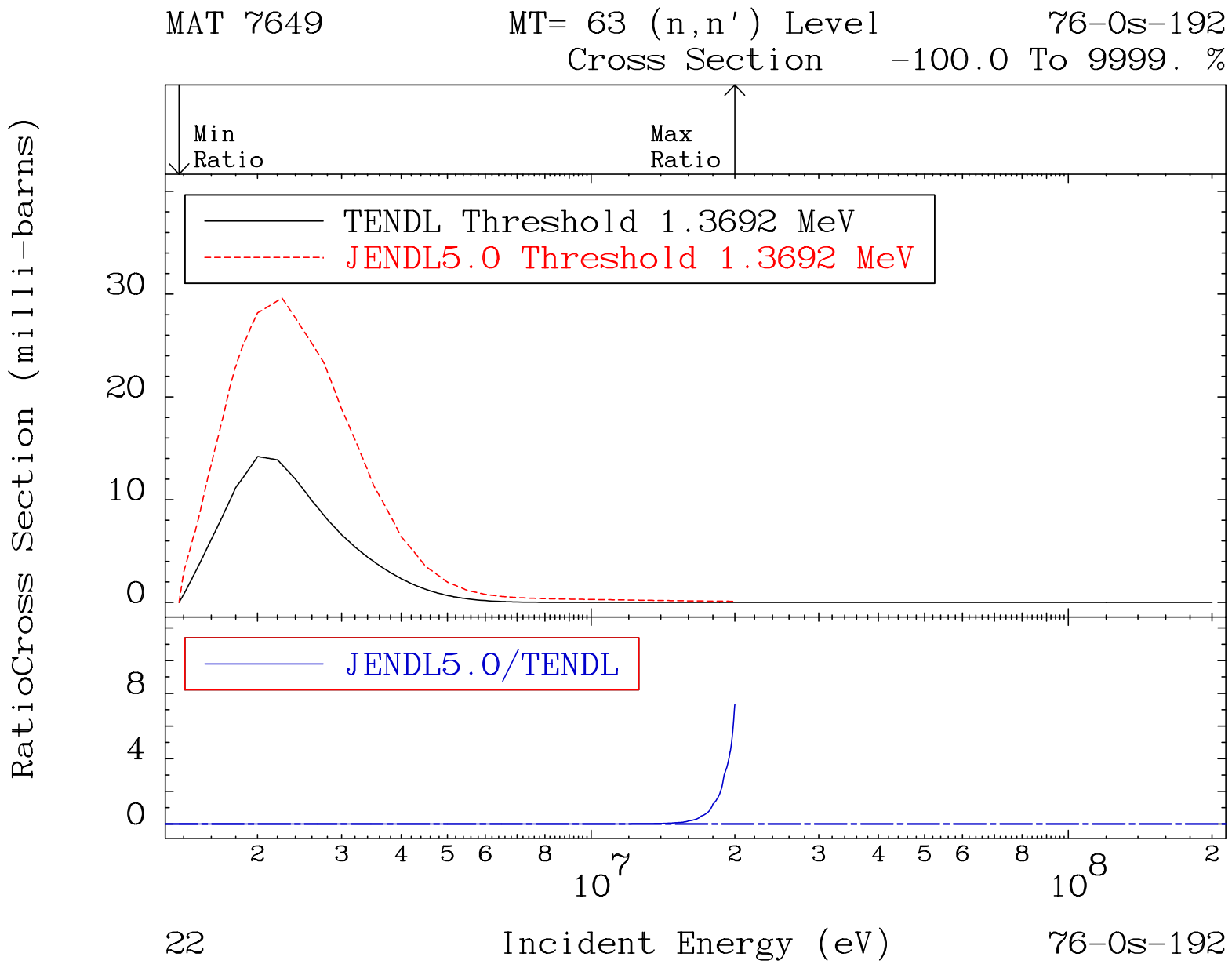

MAT 7649
MT= 58 (n,n') Level
76-0s-192
Cross Section -26.40 To 167.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.0950 MeV
JENDL5.0 Threshold 1.0950 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
76-0s-192

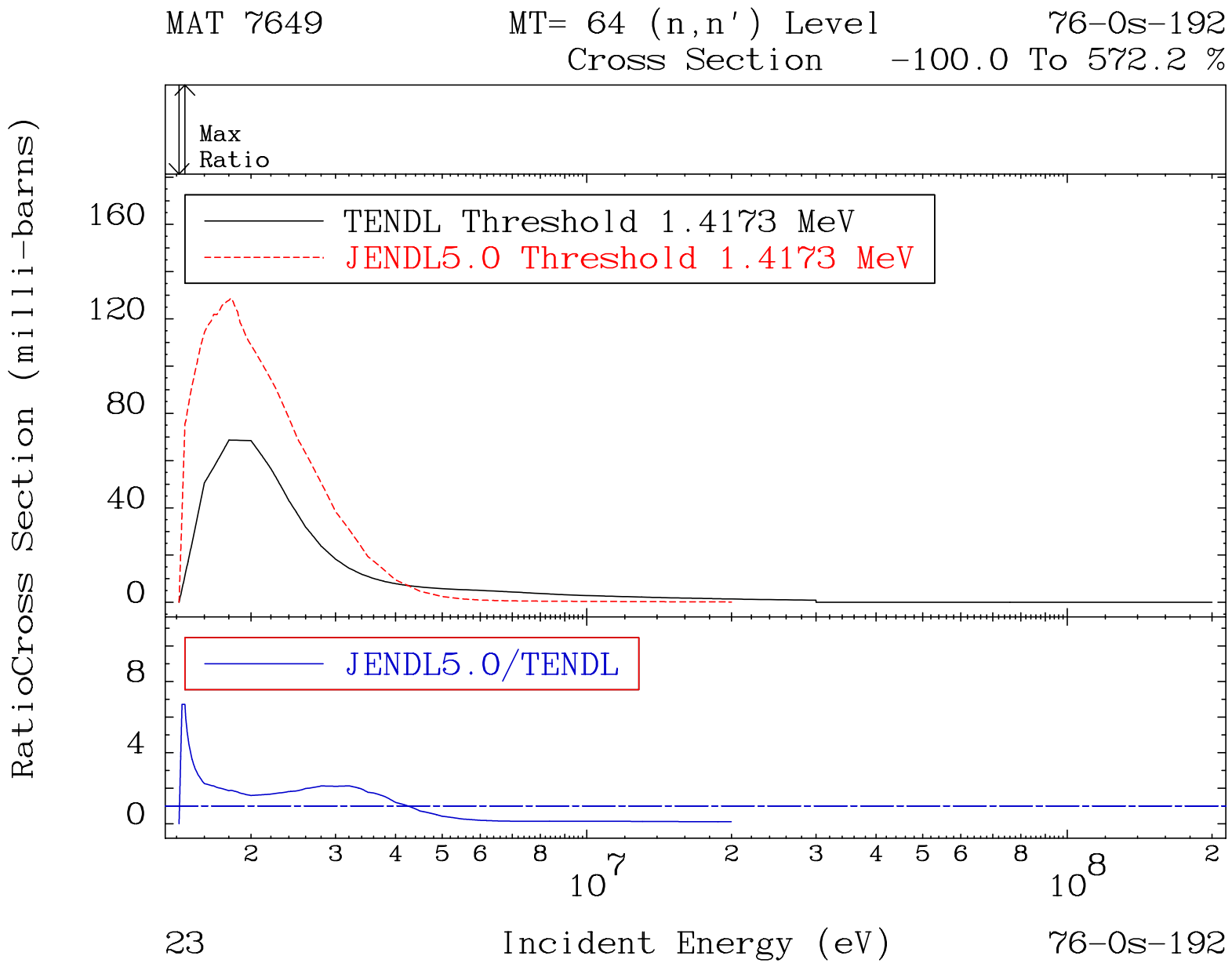

MAT 7649
MT= 59 (n,n') Level
76-0s-192
Cross Section
-95.98 To 643.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.1334 MeV
JENDL5.0 Threshold 1.1334 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^1
10^0
10^-1
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
76-0s-192

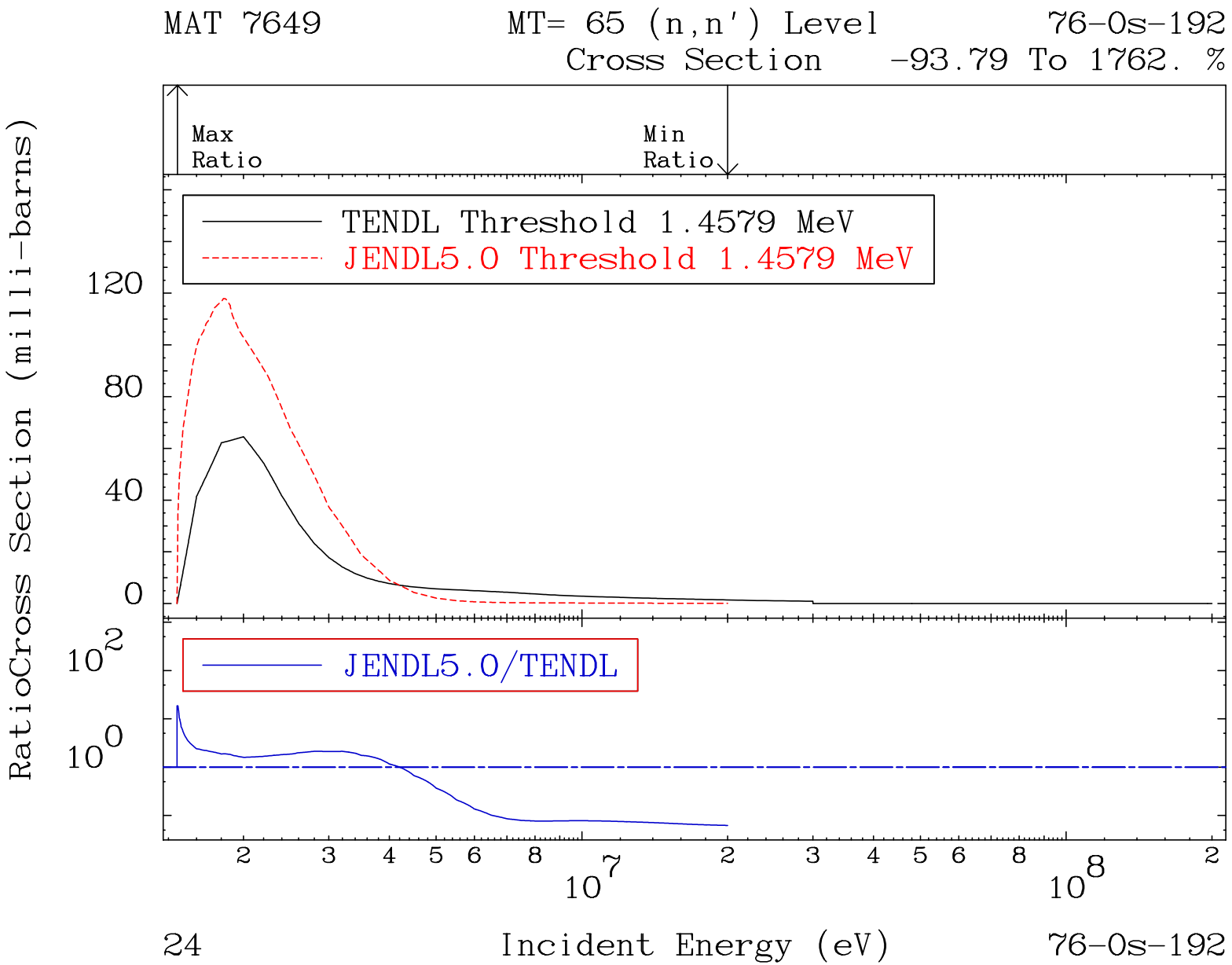

MAT 7649
MT= 60 (n,n') Level
76-0s-192
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1495 MeV
JENDL5.0 Threshold 1.1495 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
76-0s-192

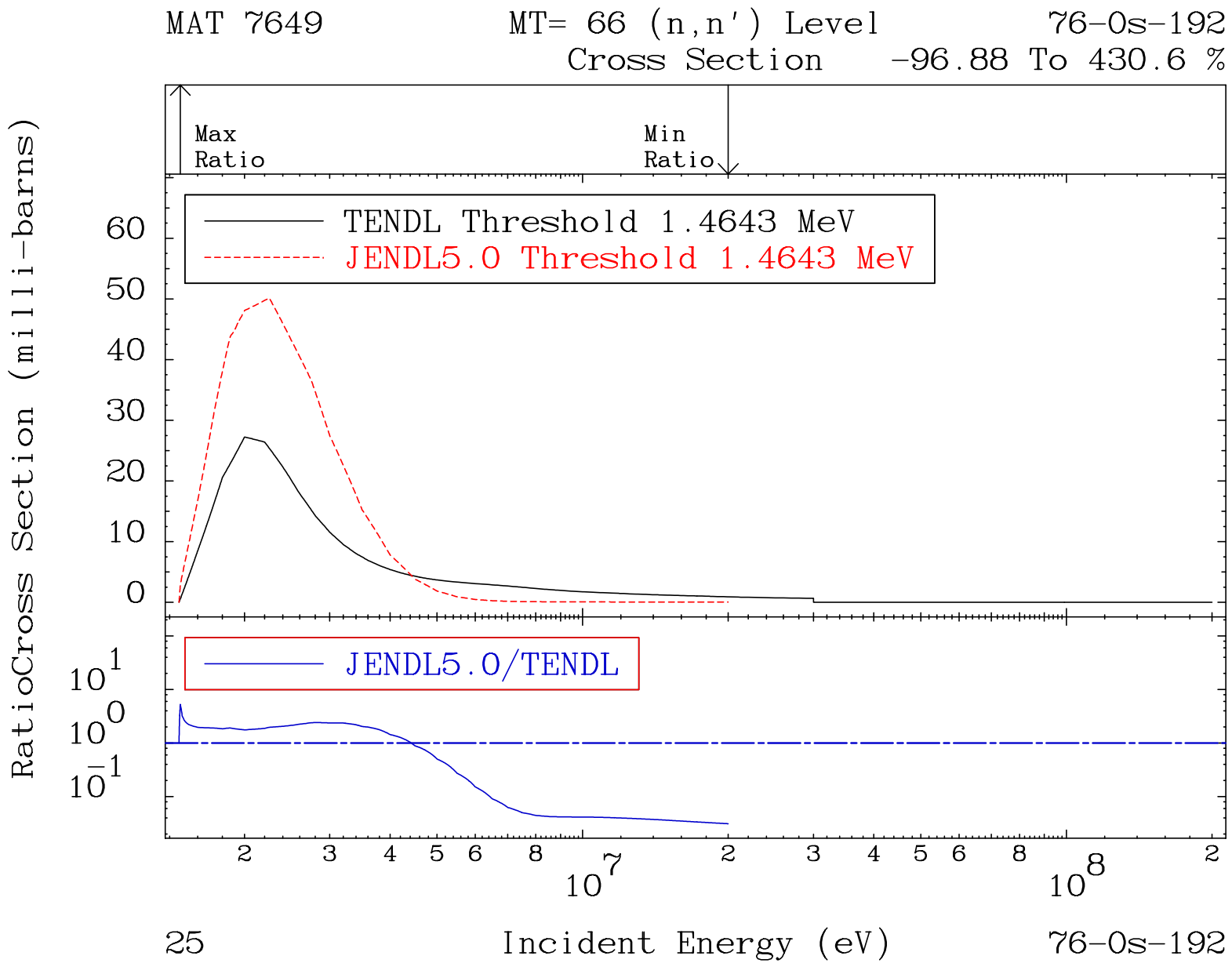

MAT 7649
MT= 61 (n,n') Level
76-0s-192
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2126 MeV
JENDL5.0 Threshold 1.2126 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
60
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
76-0s-192

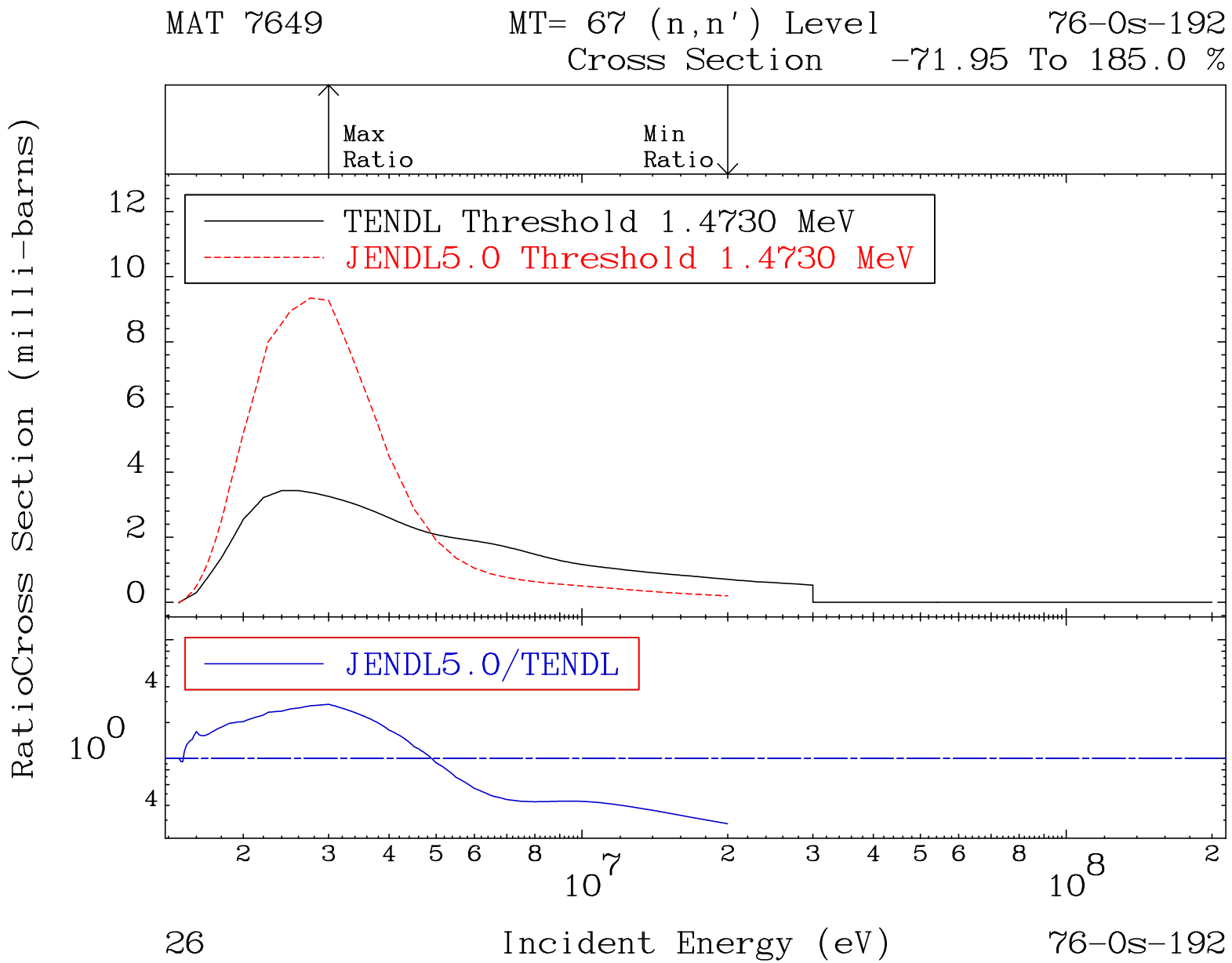

MAT 7649
MT= 62 (n,n') Level
76-0s-192
Cross Section
-97.40 To 535.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.3482 MeV
JENDL5.0 Threshold 1.3482 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
76-0s-192

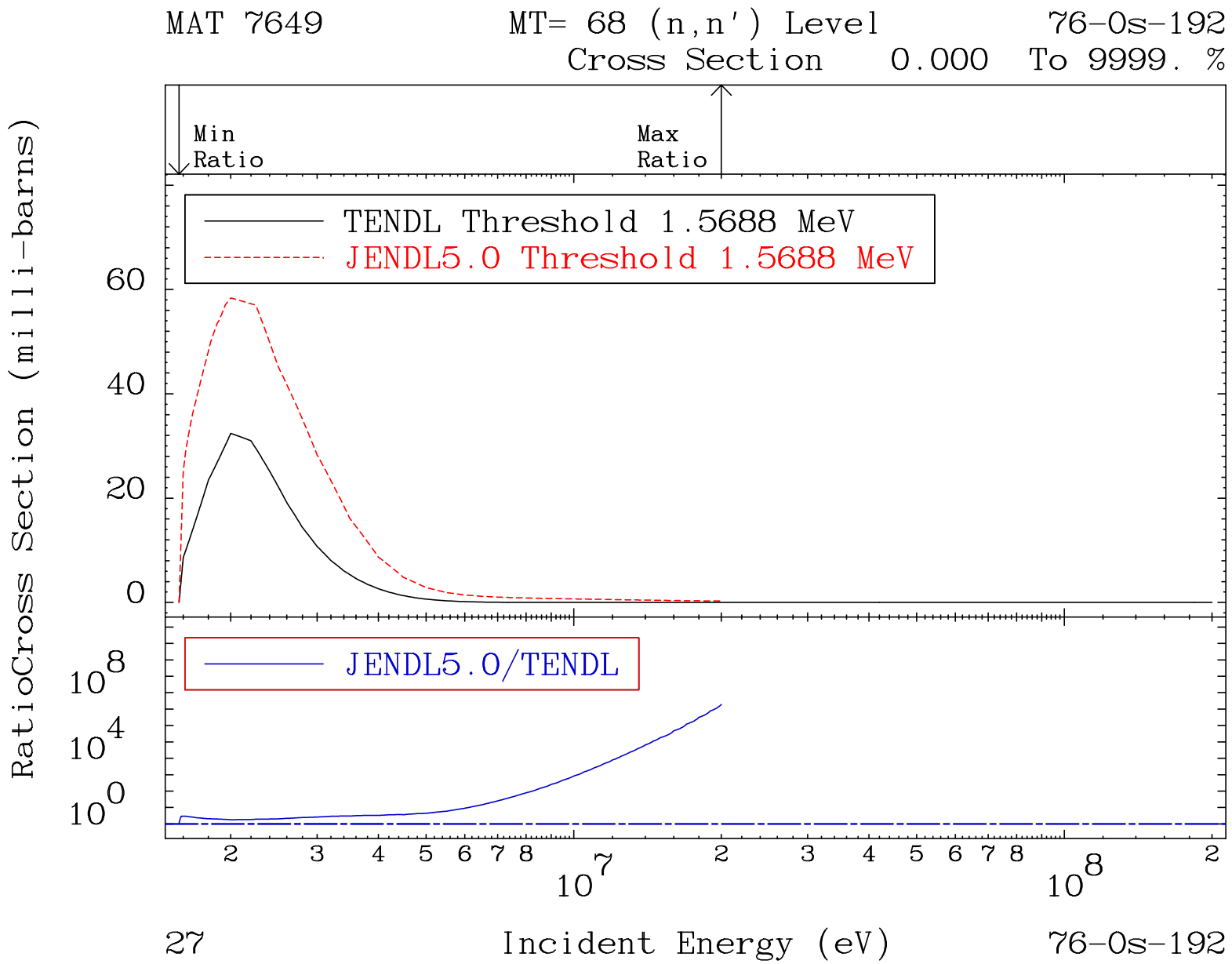

MAT 7649
MT= 63 (n,n') Level
76-0s-192
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3692 MeV
JENDL5.0 Threshold 1.3692 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
76-0s-192

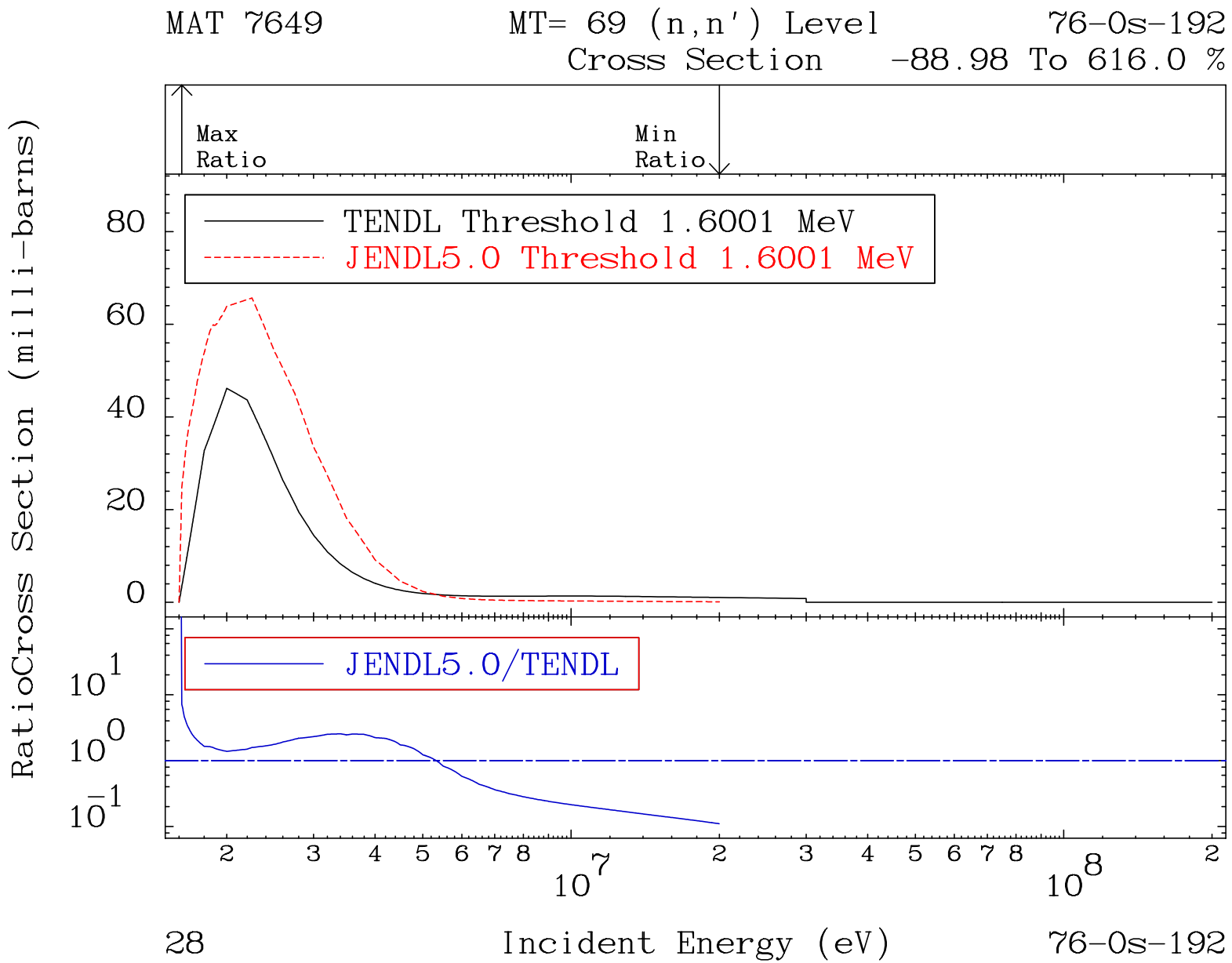

MAT 7649
MT= 64 (n,n') Level
76-0s-192
Cross Section -100.0 To 572.2 %
Max
Ratio
TENDL Threshold 1.4173 MeV
JENDL5.0 Threshold 1.4173 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
76-0s-192

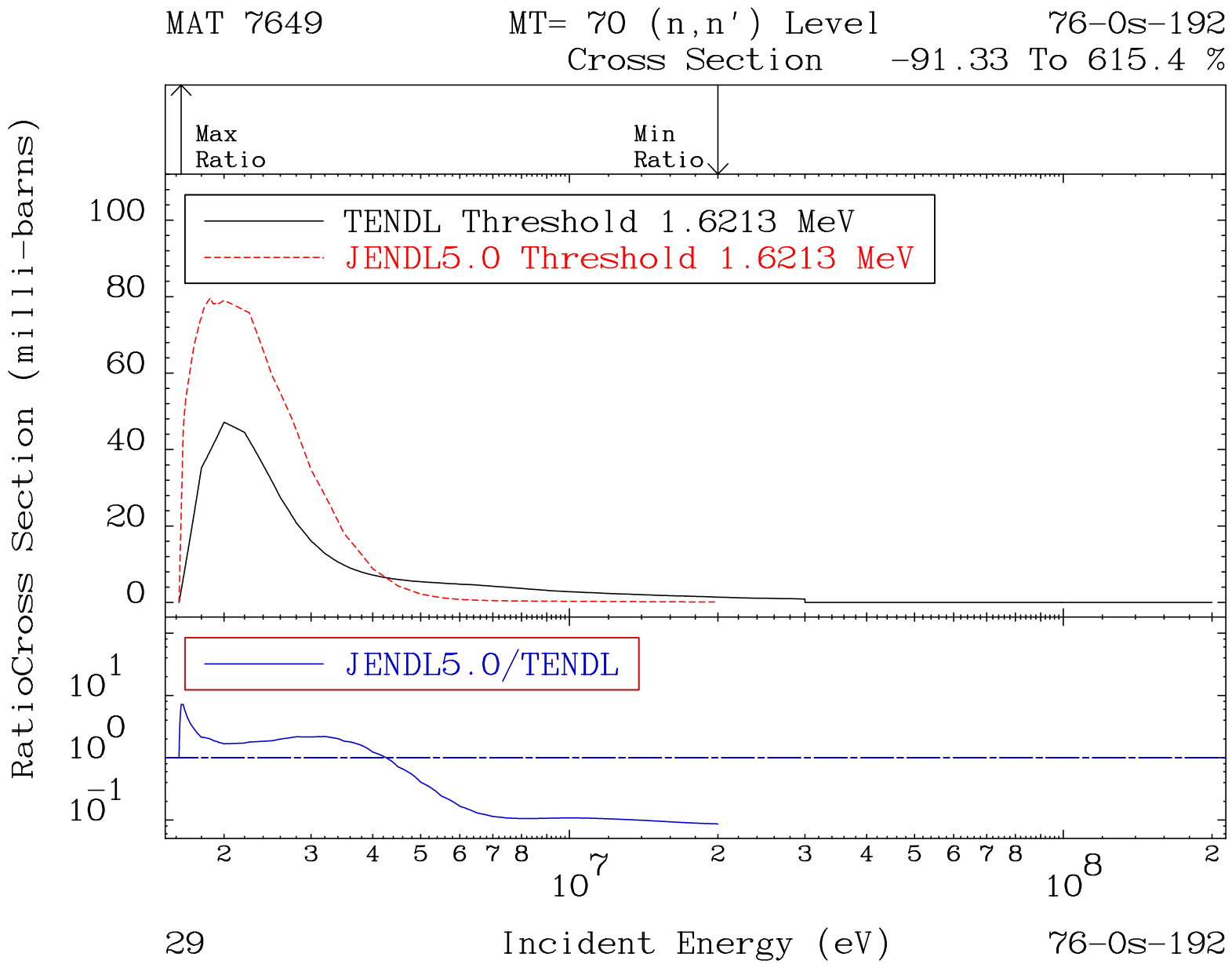

MAT 7649
MT= 65 (n,n') Level
76-0s-192
Cross Section -93.79 To 1762. %
Max Ratio
Min Ratio
TENDL Threshold 1.4579 MeV
JENDL5.0 Threshold 1.4579 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
76-0s-192

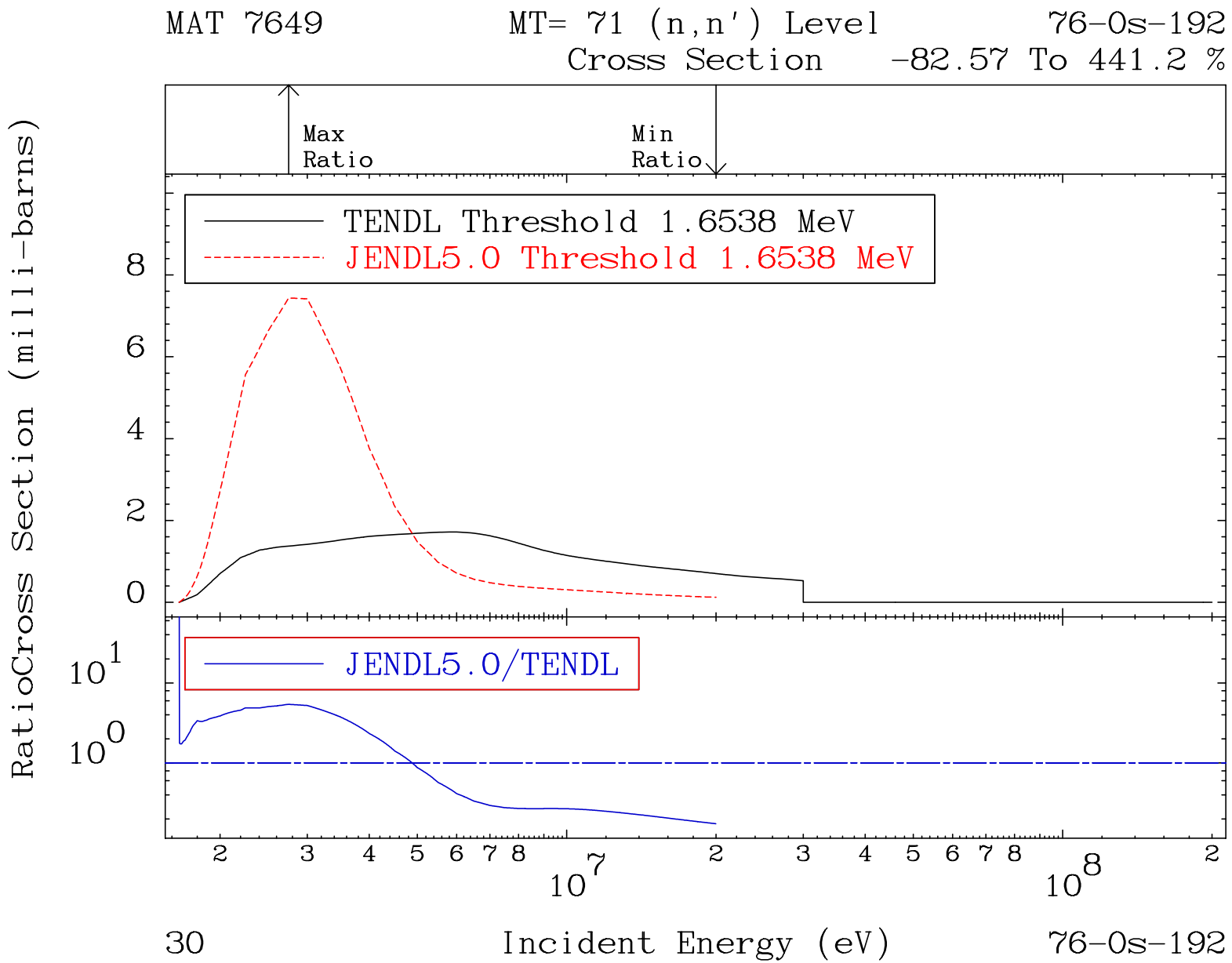

MAT 7649
MT= 66 (n,n') Level
76-0s-192
Cross Section
-96.88 To 430.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.4643 MeV
JENDL5.0 Threshold 1.4643 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^1
10^0
10^-1
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
25
Incident Energy (eV)
76-0s-192

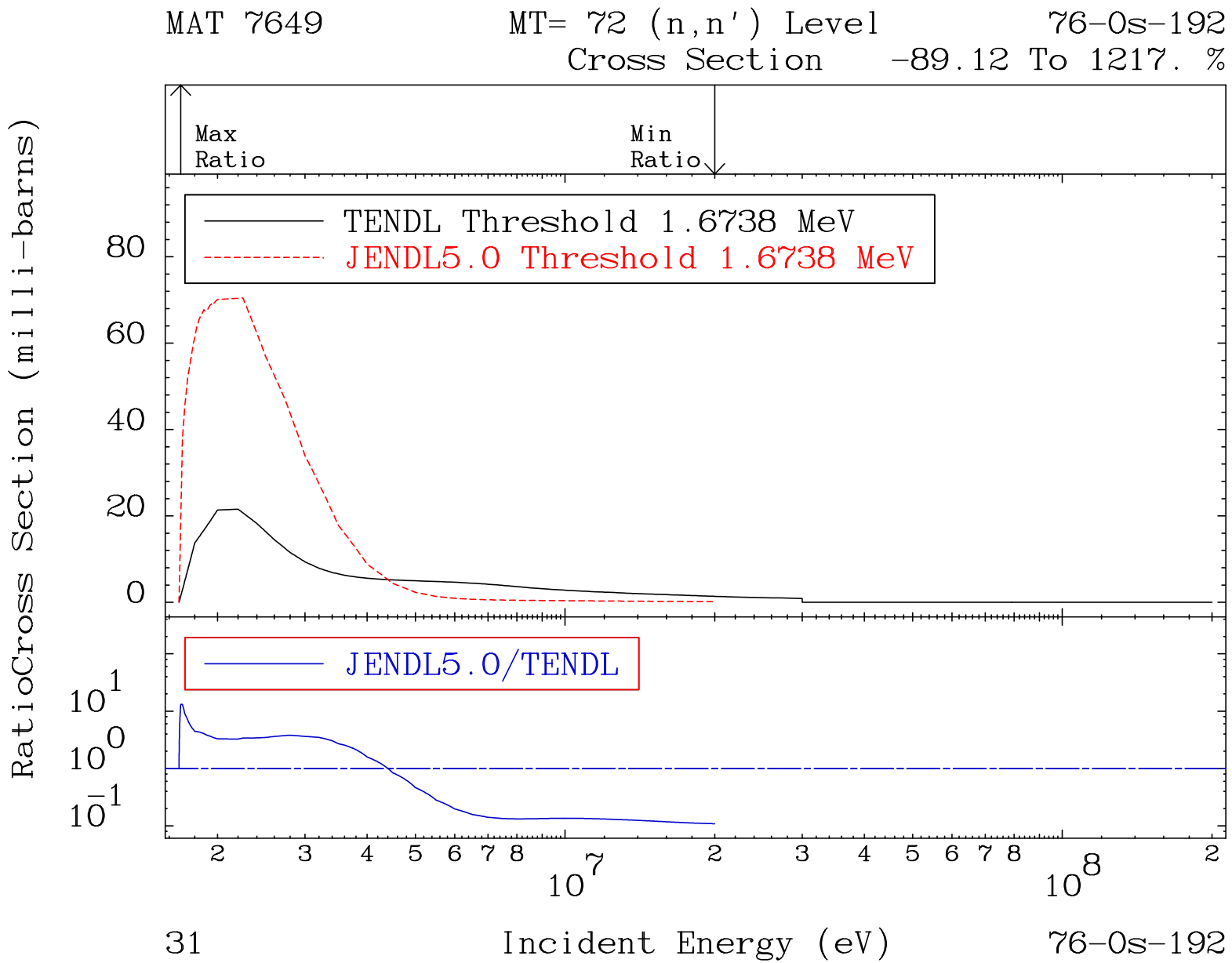

MAT 7649
MT= 67 (n,n') Level
76-0s-192
Cross Section
-71.95 To 185.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.4730 MeV
JENDL5.0 Threshold 1.4730 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
76-0s-192

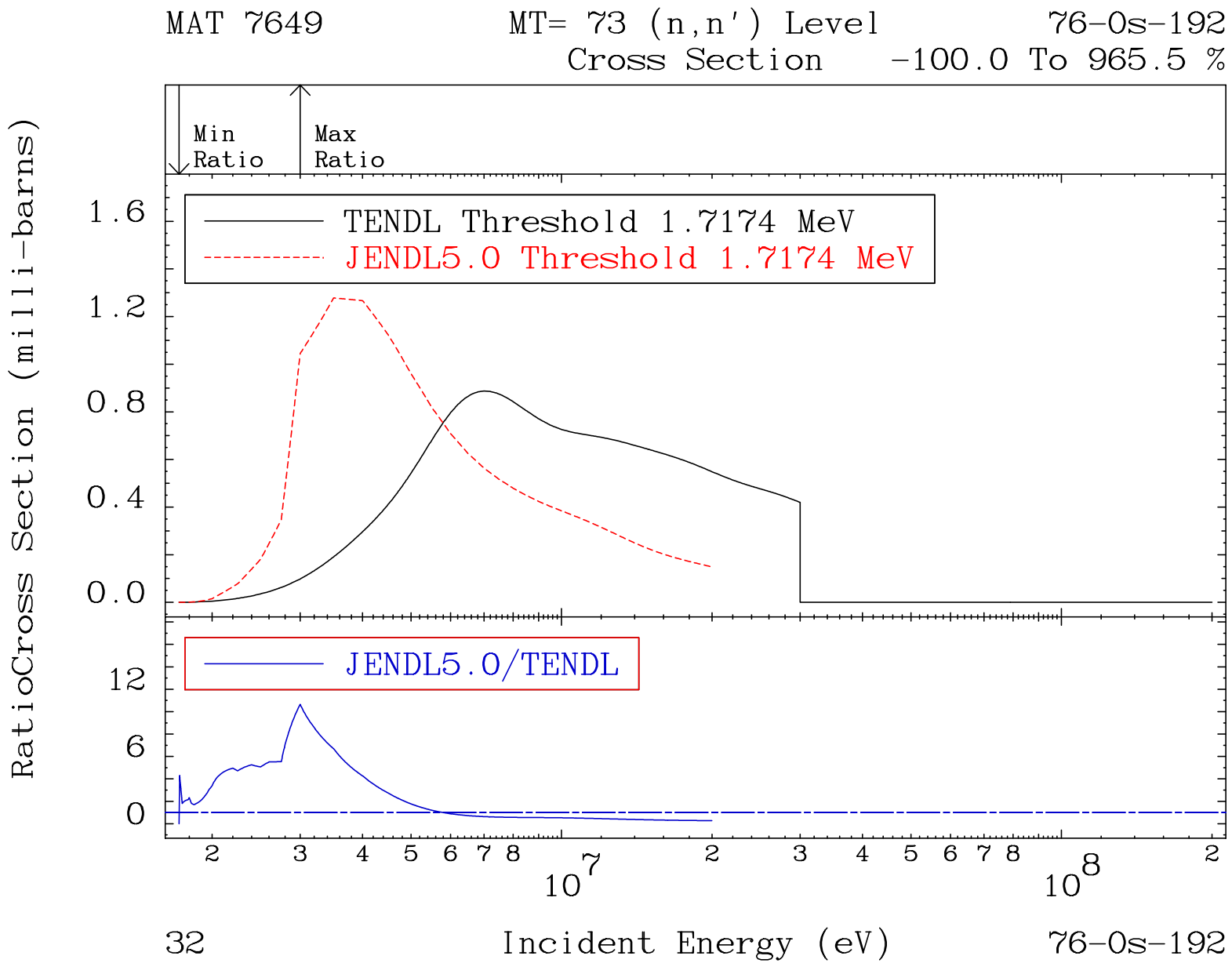

MAT 7649
MT= 68 (n,n') Level
76-0s-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.5688 MeV
JENDL5.0 Threshold 1.5688 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
76-0s-192

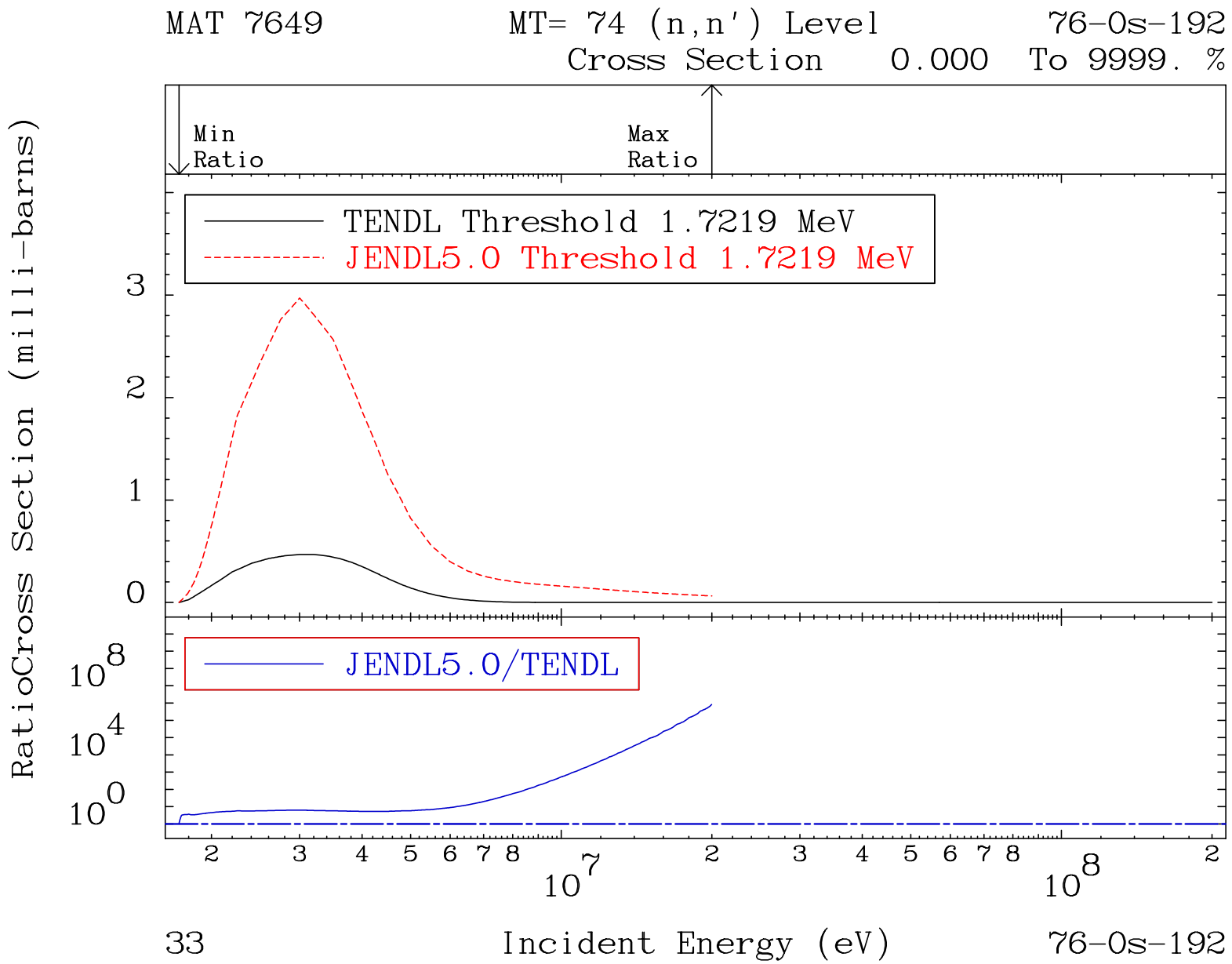

MAT 7649
MT= 69 (n,n') Level
76-0s-192
Cross Section
-88.98 To 616.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.6001 MeV
JENDL5.0 Threshold 1.6001 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
76-0s-192

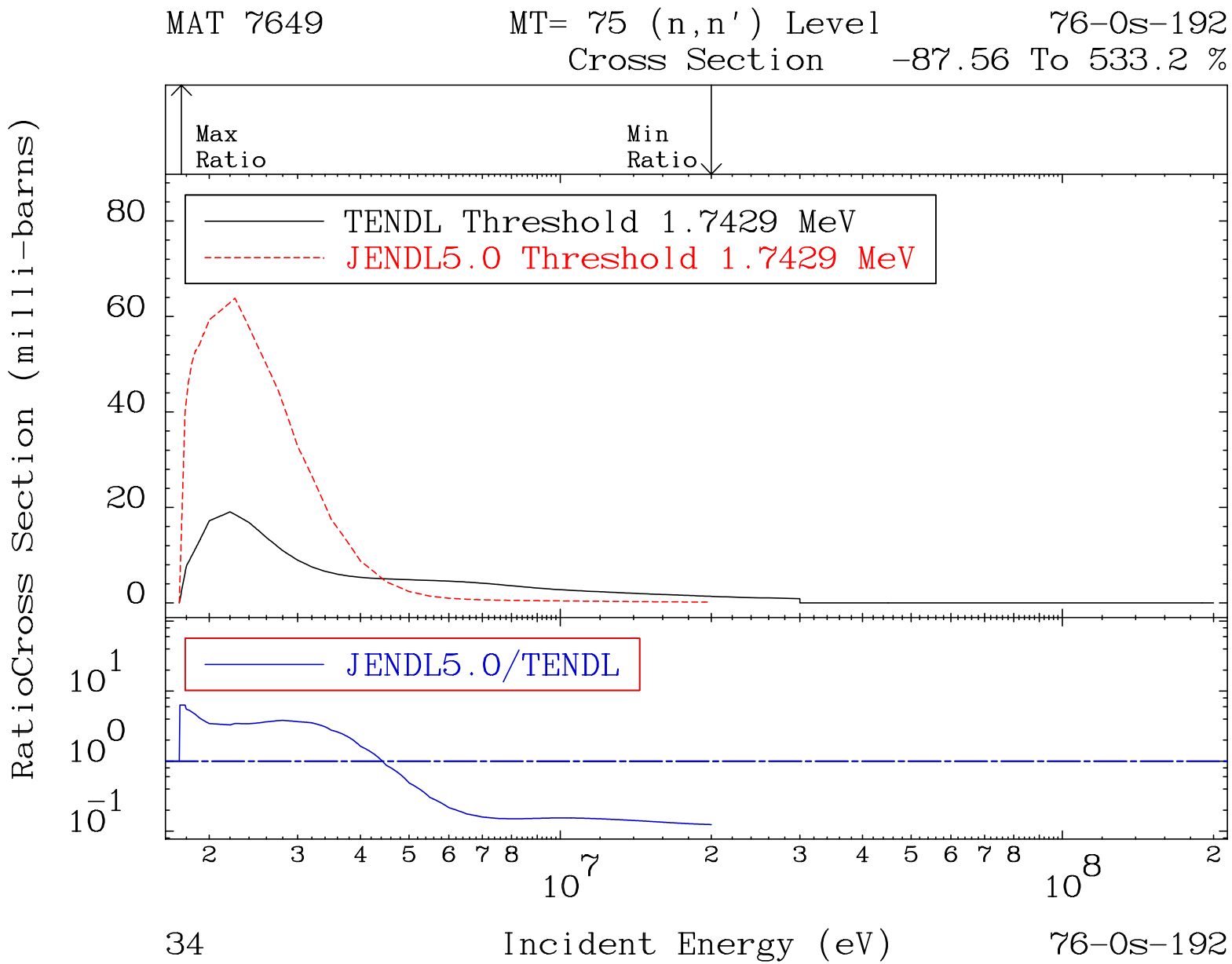

MAT 7649
MT= 70 (n,n') Level
76-0s-192
Cross Section
-91.33 To 615.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.6213 MeV
JENDL5.0 Threshold 1.6213 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^1
10^0
10^{-1}
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
76-0s-192

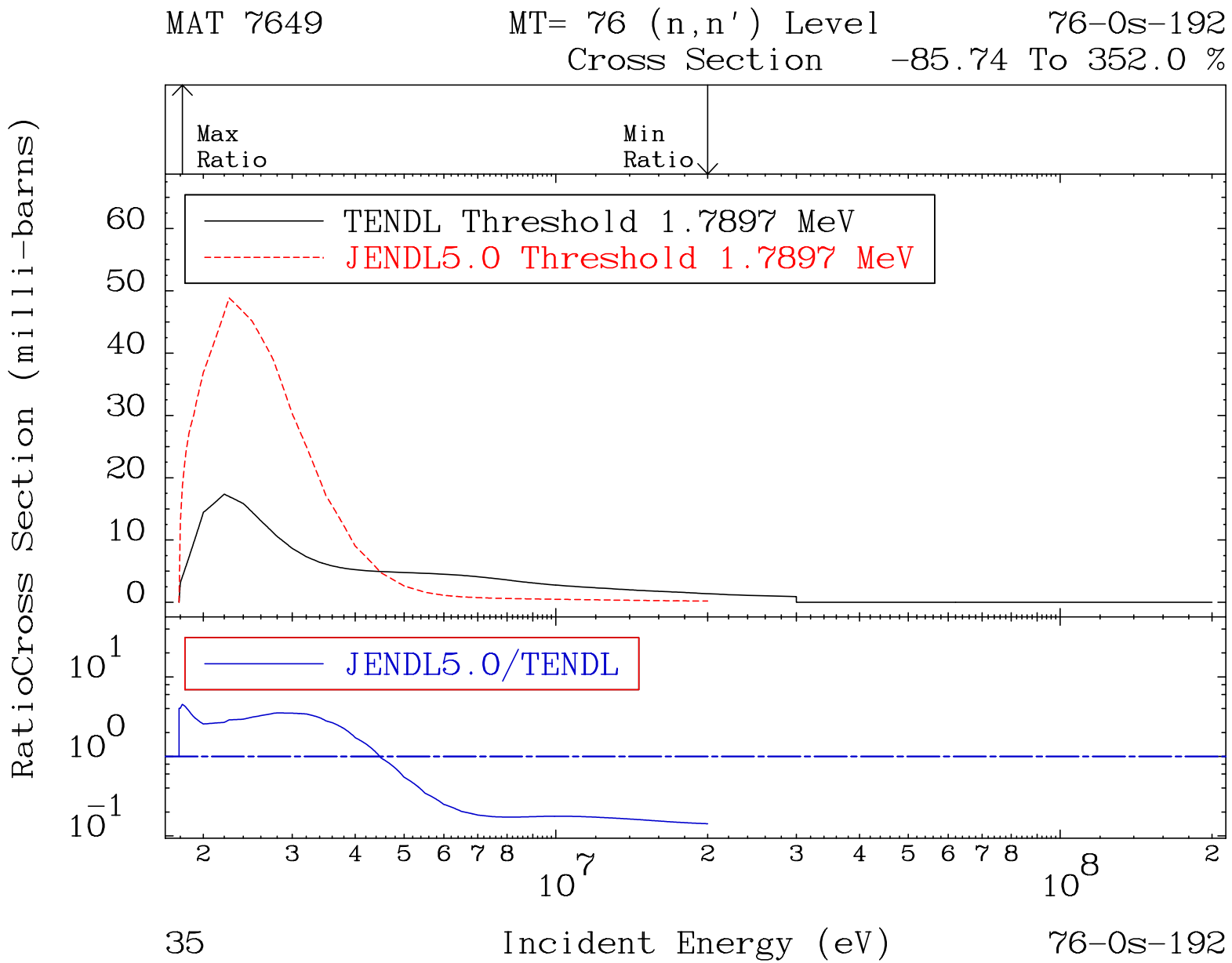

MAT 7649
MT= 71 (n,n') Level
76-0s-192
Cross Section -82.57 To 441.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.6538 MeV
JENDL5.0 Threshold 1.6538 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
76-0s-192

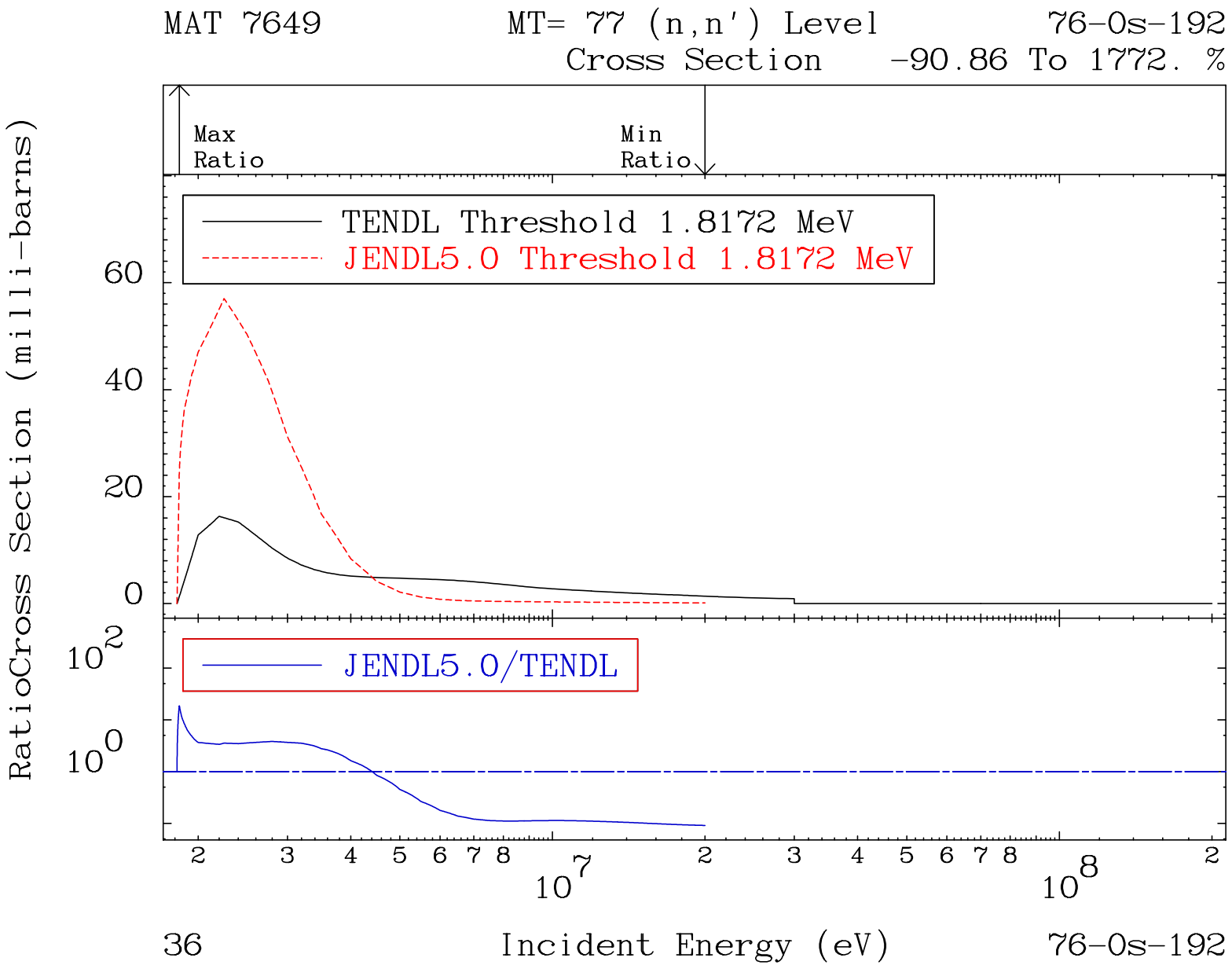

MAT 7649
MT= 72 (n,n') Level
76-0s-192
Cross Section -89.12 To 1217. %
Max Ratio
Min Ratio
TENDL Threshold 1.6738 MeV
JENDL5.0 Threshold 1.6738 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
76-0s-192

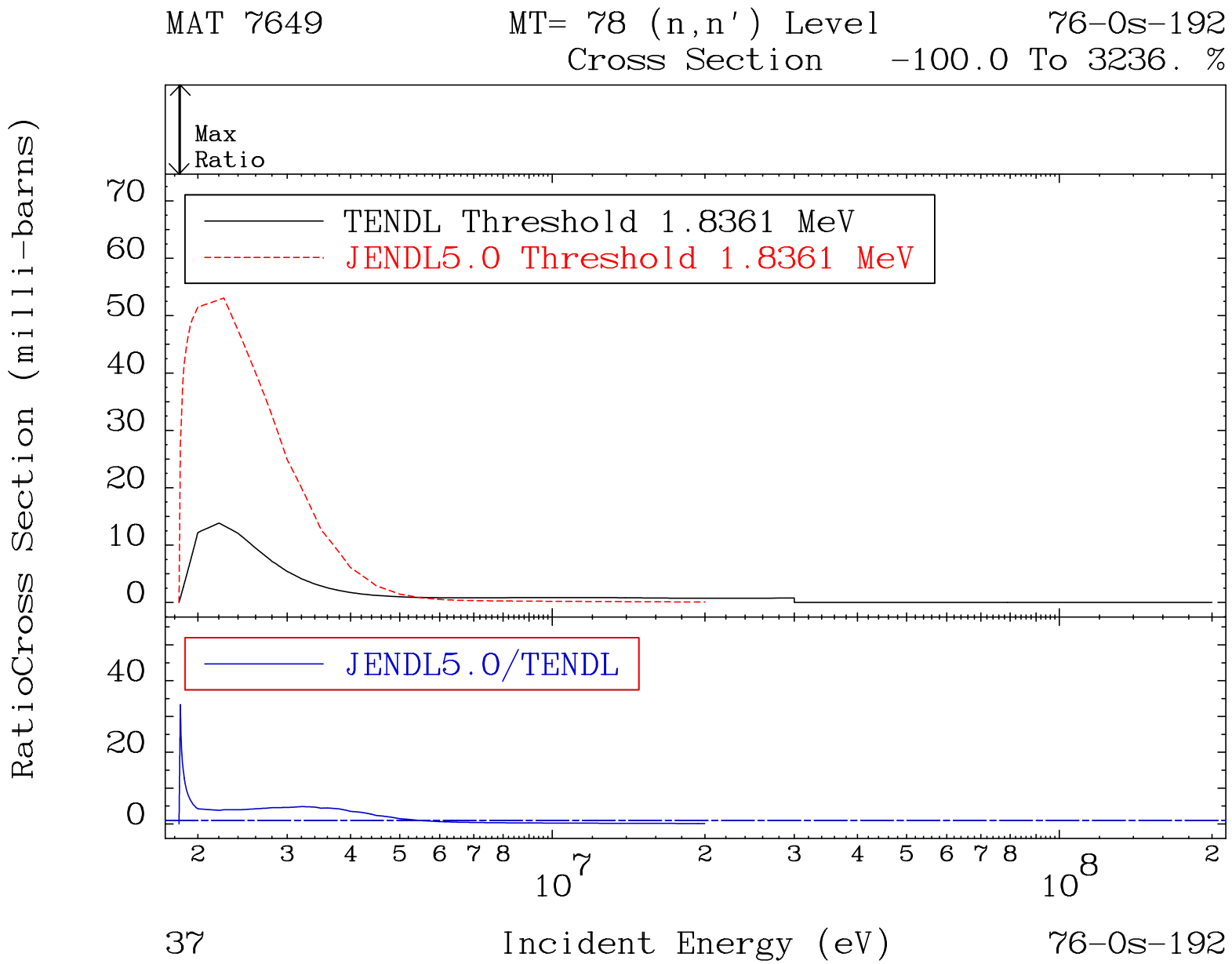

MAT 7649
MT= 73 (n,n') Level
76-0s-192
Cross Section
-100.0 To 965.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.7174 MeV
JENDL5.0 Threshold 1.7174 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
12
6
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
76-0s-192

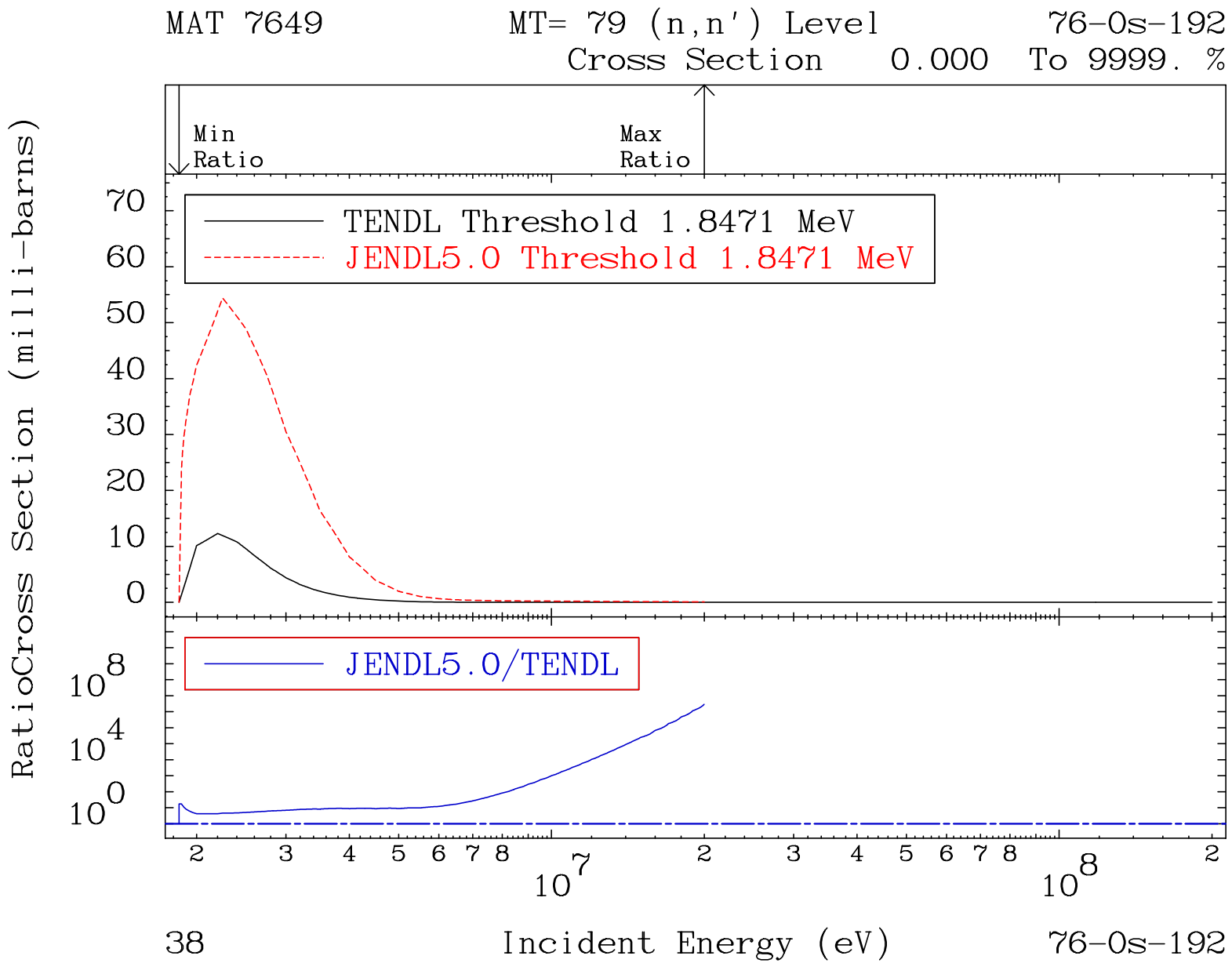

MAT 7649
MT= 74 (n,n') Level
76-0s-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7219 MeV
JENDL5.0 Threshold 1.7219 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
76-0s-192

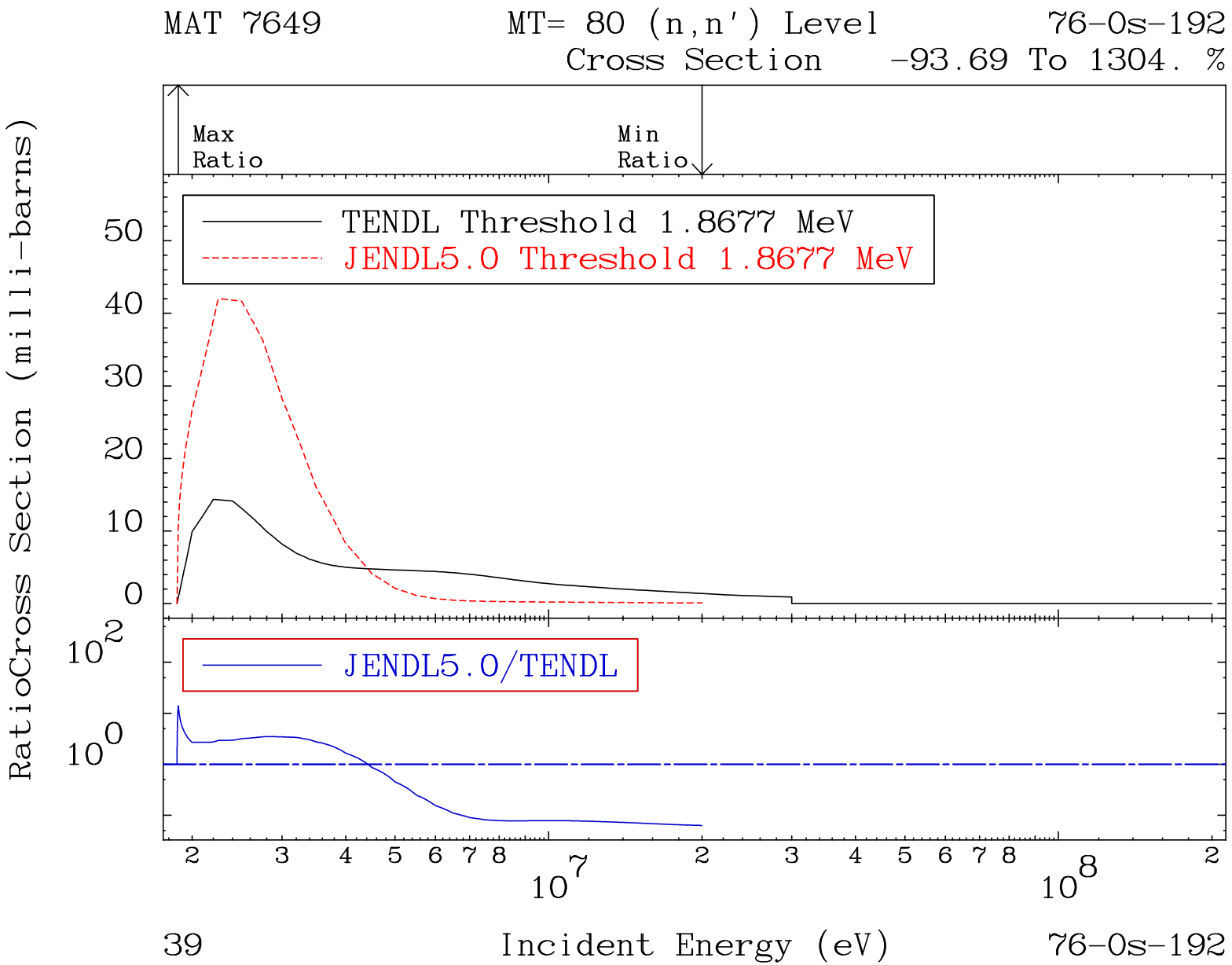

MAT 7649
MT= 75 (n,n') Level
76-0s-192
Cross Section
-87.56 To 533.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.7429 MeV
JENDL5.0 Threshold 1.7429 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
76-0s-192

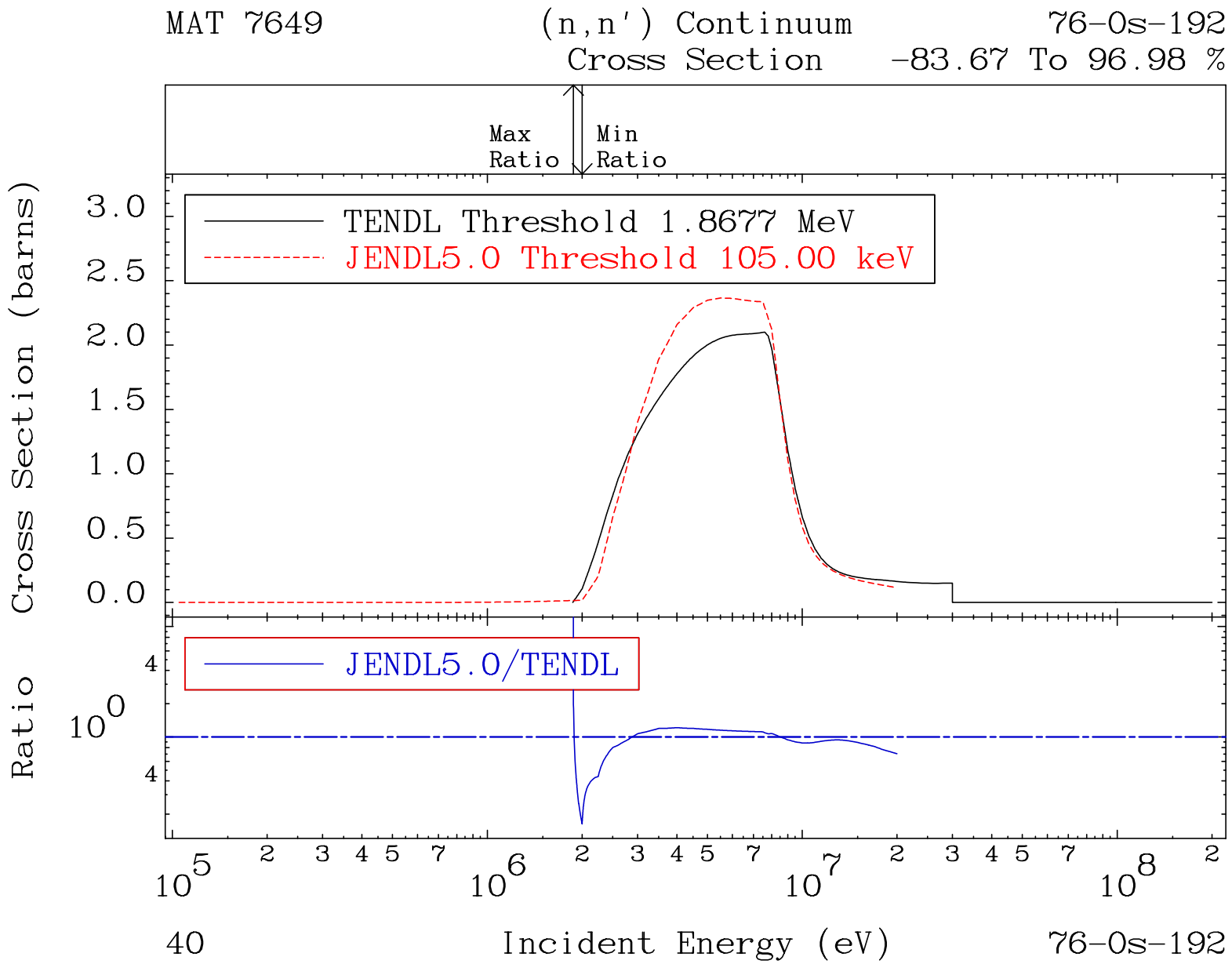

MAT 7649
MT= 76 (n,n') Level
76-0s-192
Cross Section
-85.74 To 352.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.7897 MeV
JENDL5.0 Threshold 1.7897 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^1
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
76-0s-192

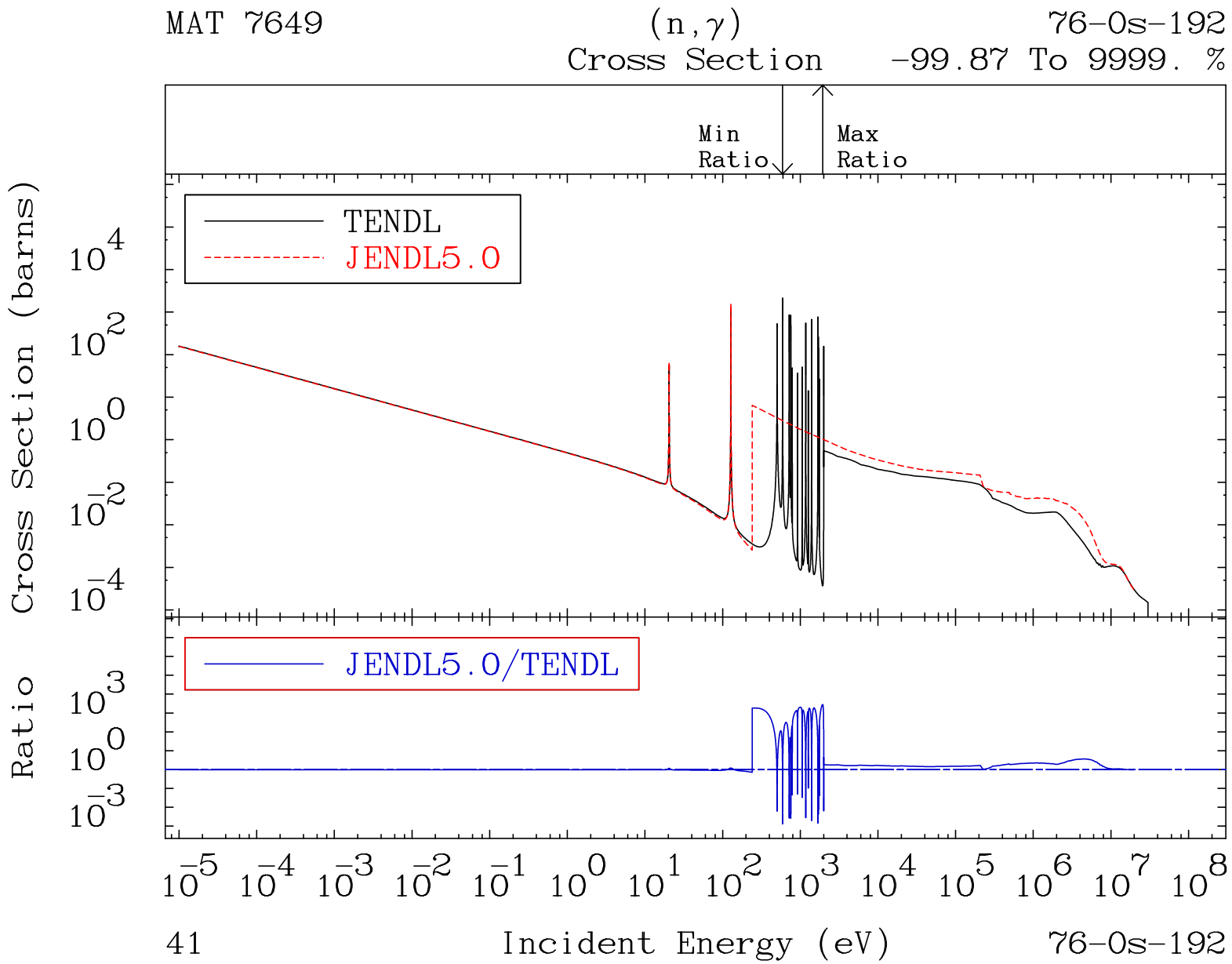

MAT 7649
MT= 77 (n,n') Level
76-0s-192
Cross Section -90.86 To 1772. %
Max Ratio
Min Ratio
TENDL Threshold 1.8172 MeV
JENDL5.0 Threshold 1.8172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
76-0s-192

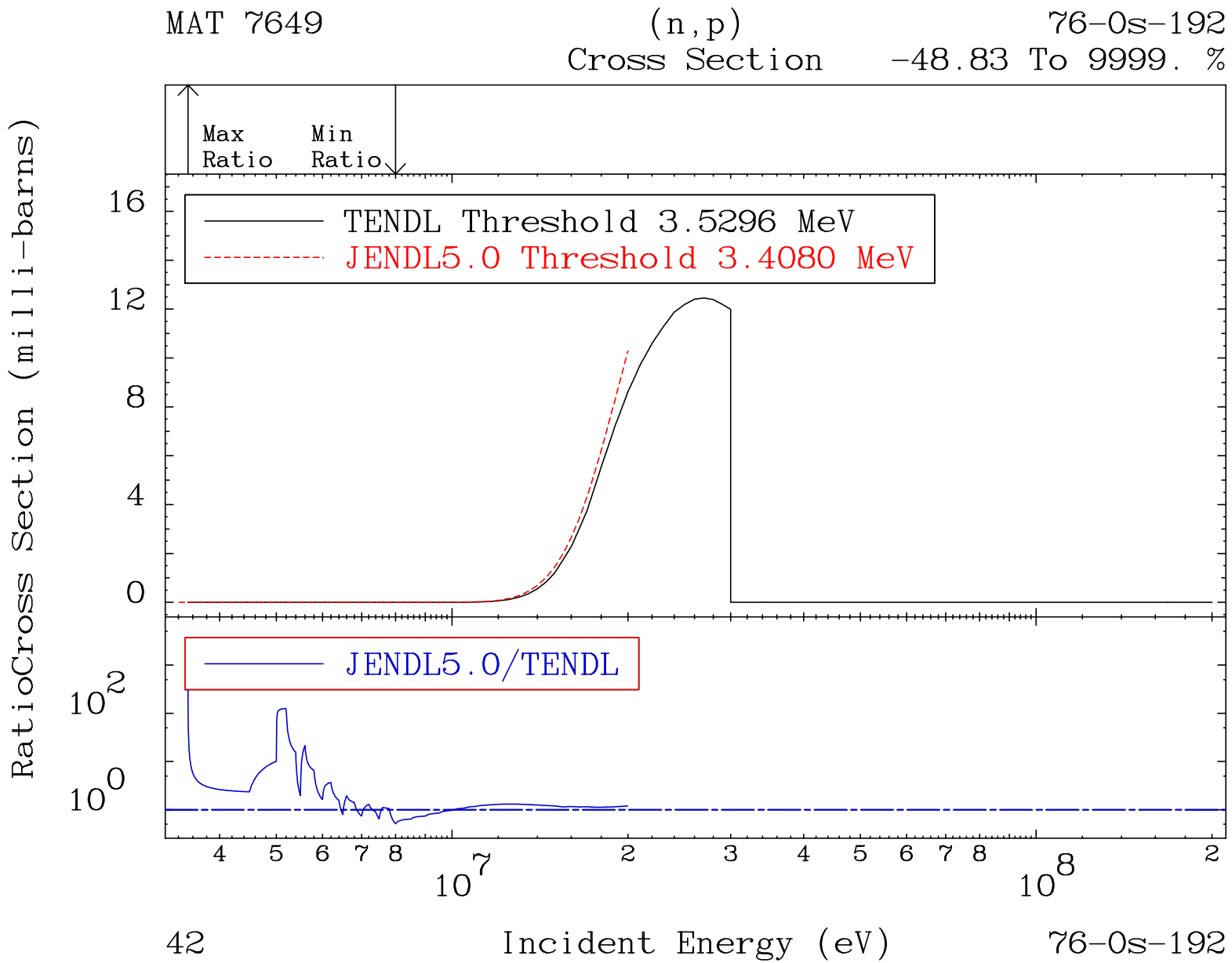

MAT 7649
MT= 78 (n,n') Level
76-0s-192
Cross Section -100.0 To 3236. %
Max
Ratio
TENDL Threshold 1.8361 MeV
JENDL5.0 Threshold 1.8361 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
76-0s-192

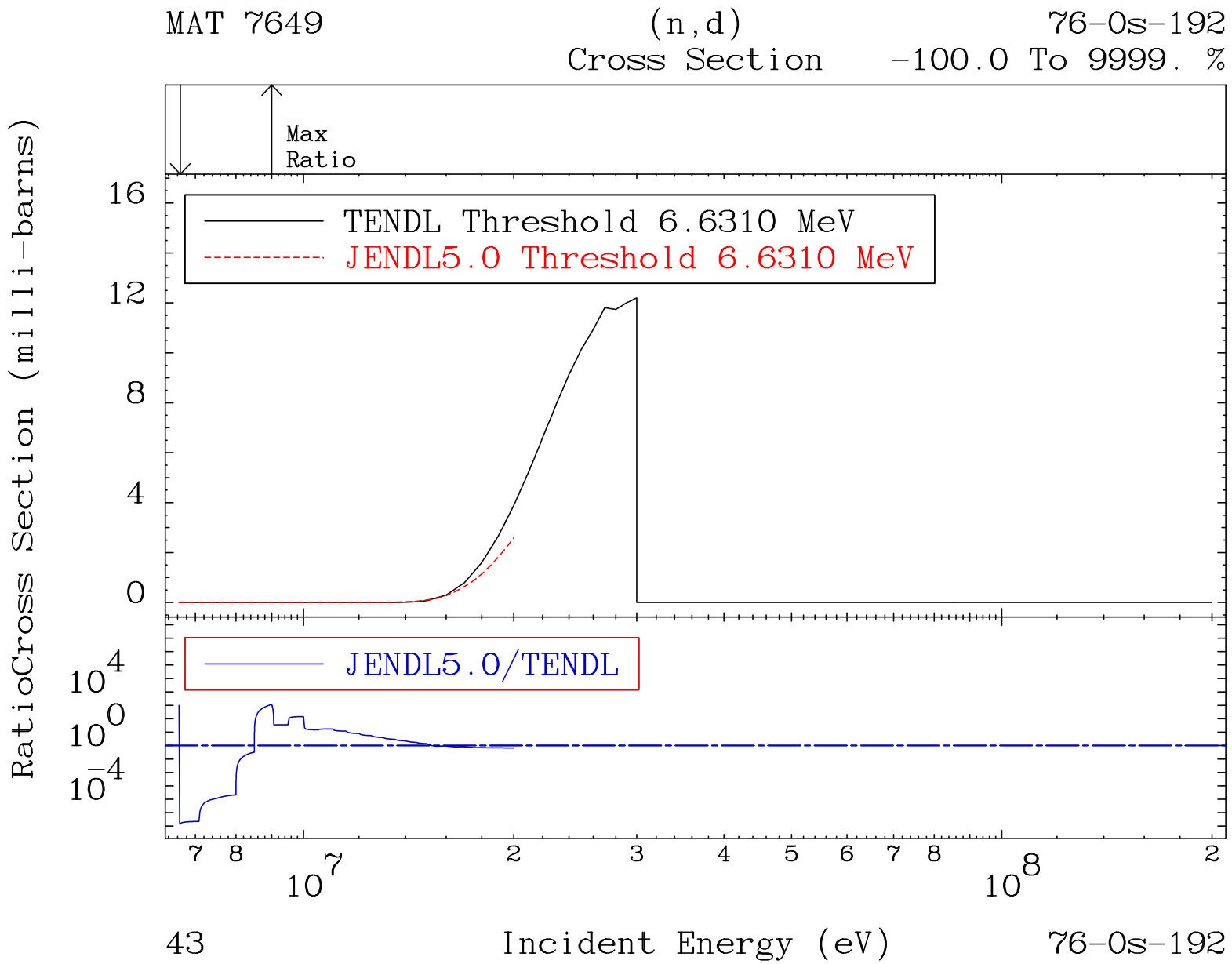

MAT 7649
MT= 79 (n,n') Level
76-0s-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8471 MeV
JENDL5.0 Threshold 1.8471 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38
76-0s-192

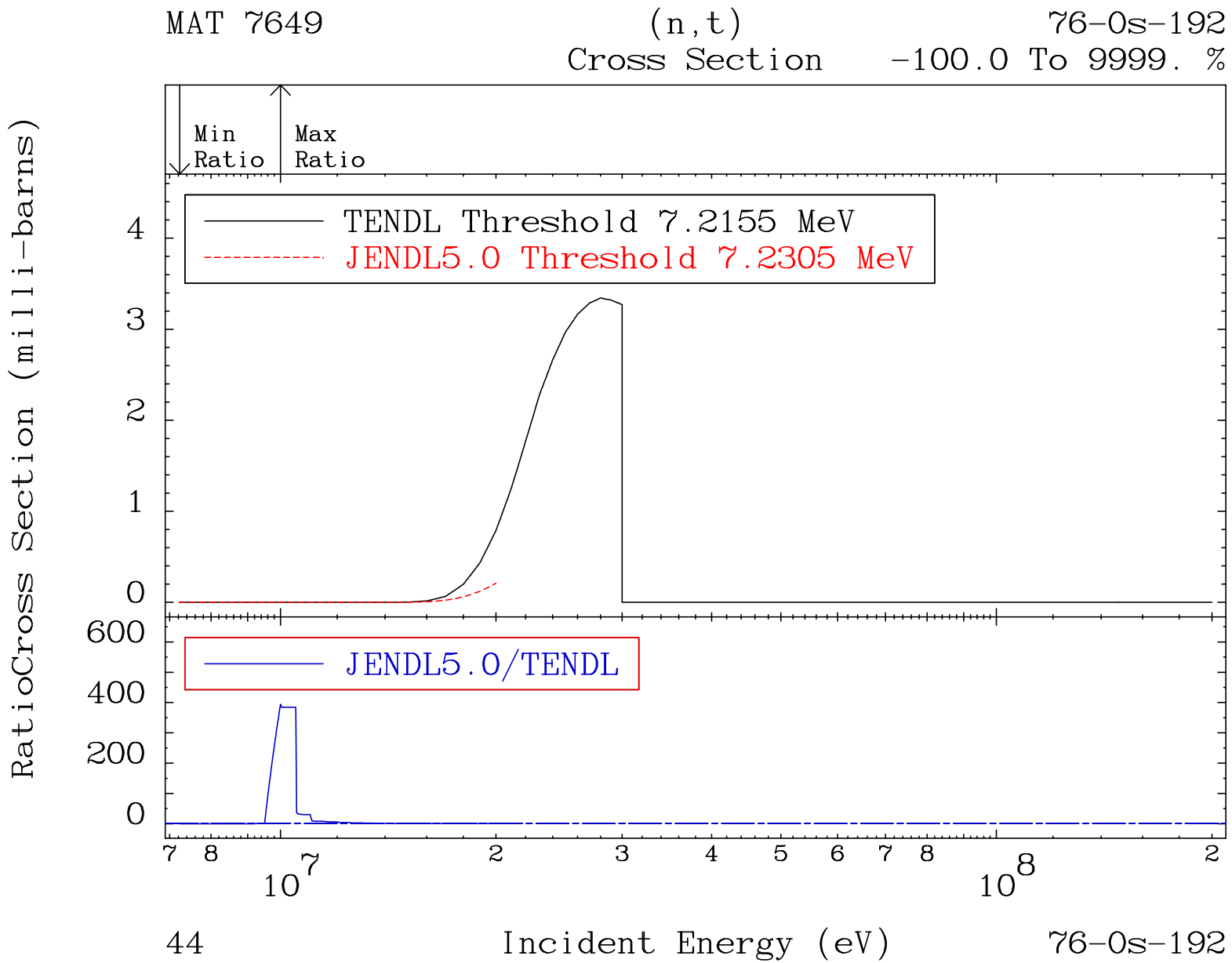

MAT 7649
MT= 80 (n,n') Level
76-0s-192
Cross Section -93.69 To 1304. %
Max Ratio
Min Ratio
TENDL Threshold 1.8677 MeV
JENDL5.0 Threshold 1.8677 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
76-0s-192

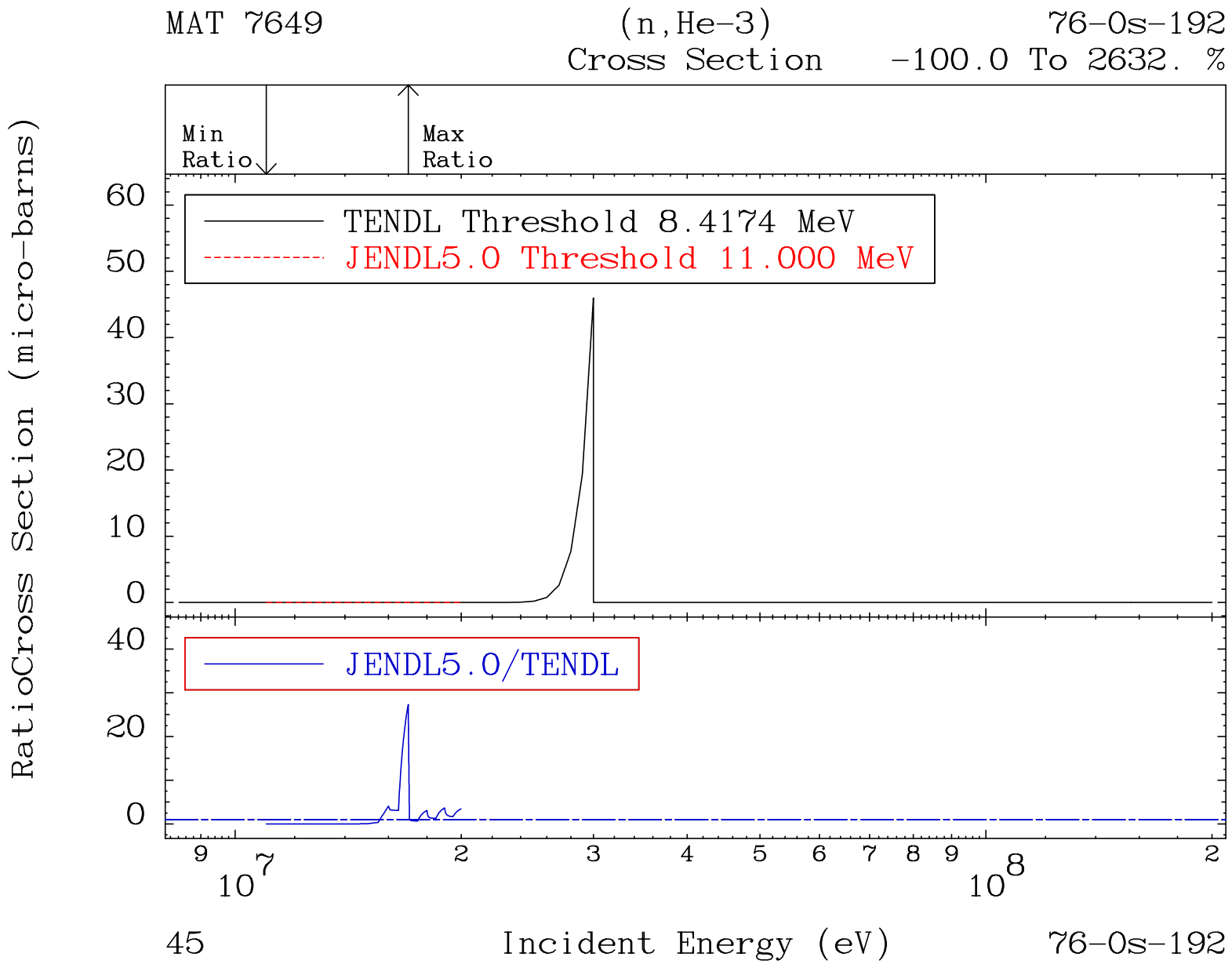

MAT 7649
(n,n') Continuum
Cross Section
76-0s-192
-83.67 To 96.98 %
Max Ratio
Min Ratio
TENDL Threshold 1.8677 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
76-0s-192

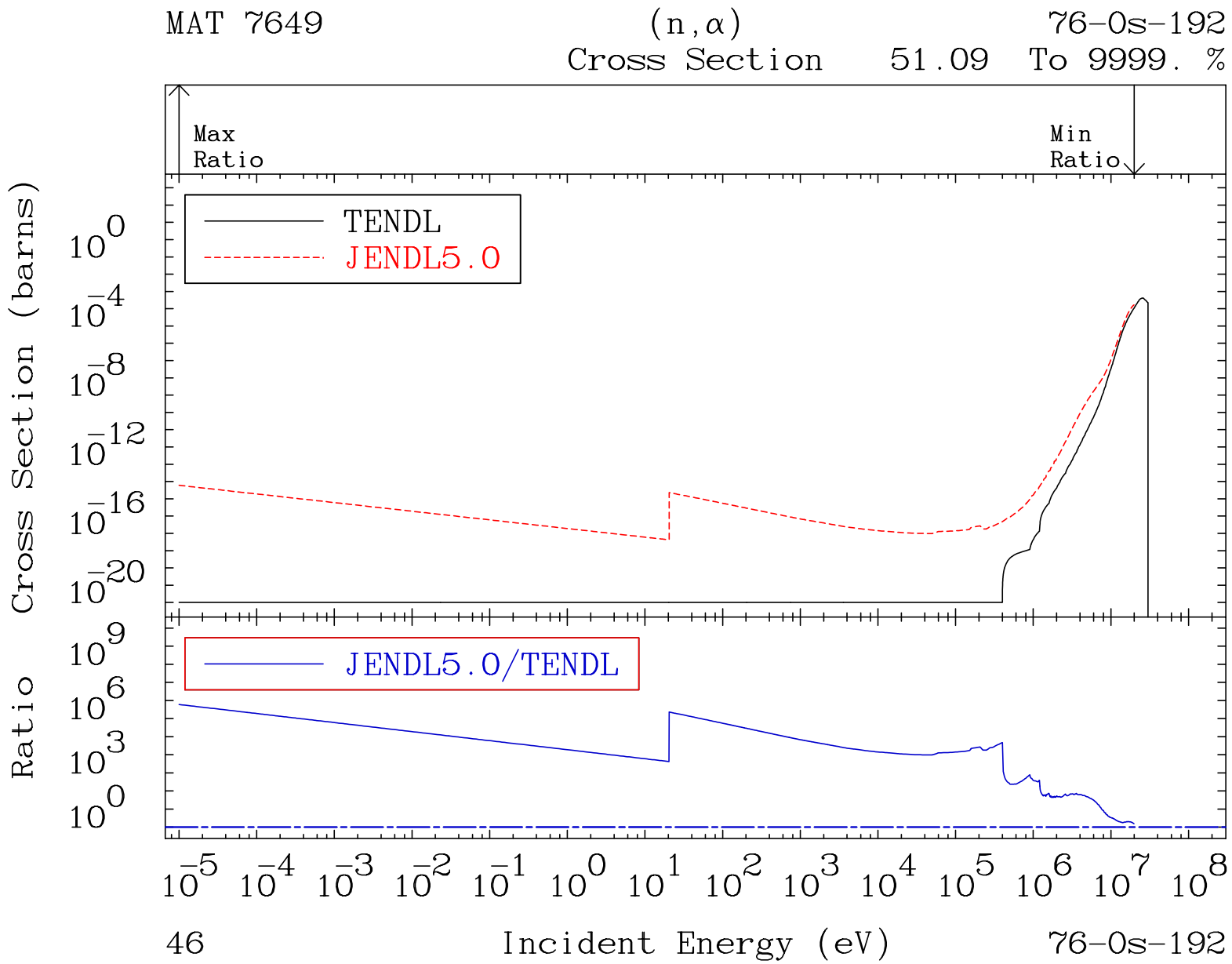

MAT 7649
(n,γ)
Cross Section
76-0s-192
-99.87 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
76-0s-192

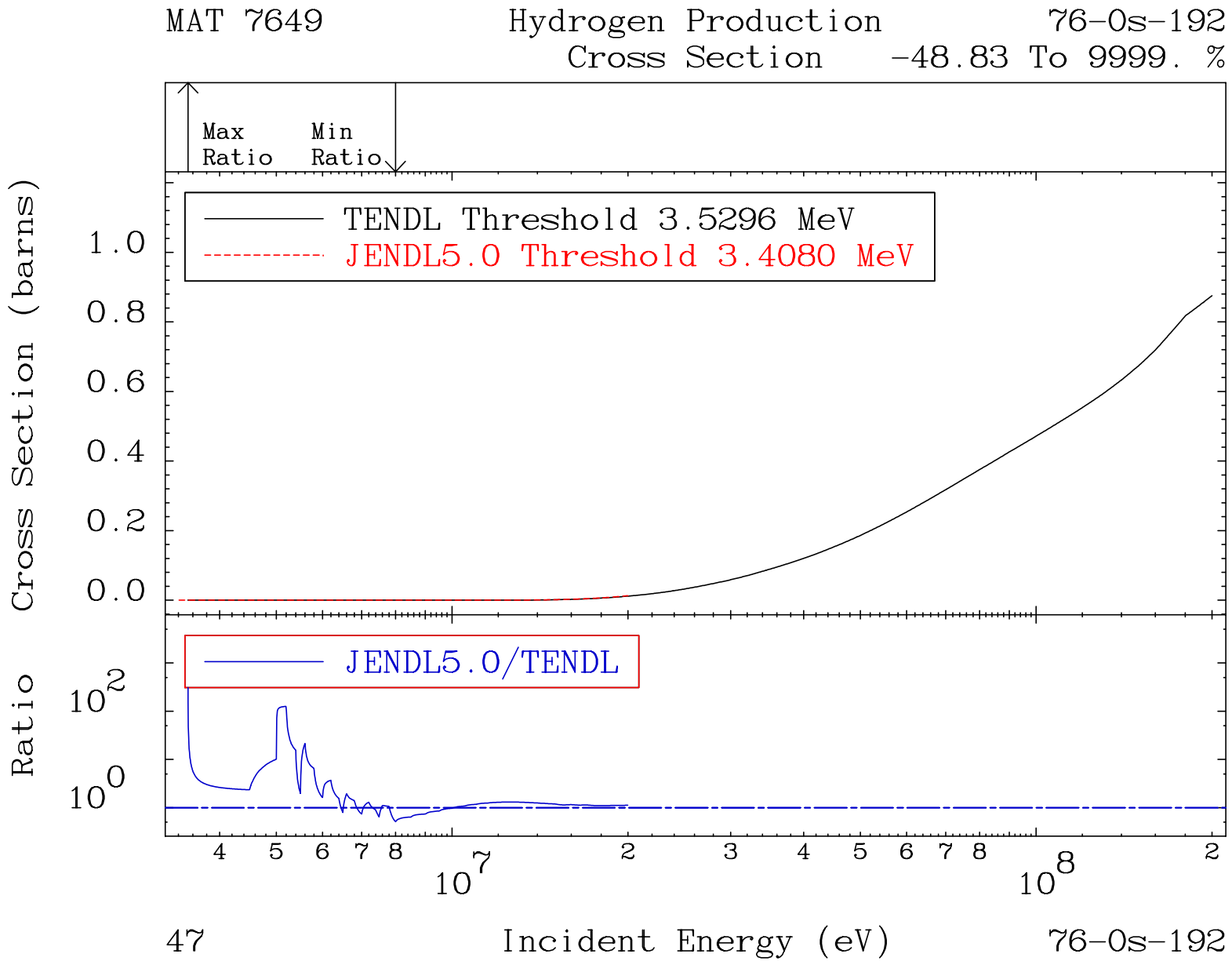

MAT 7649
(n,p)
76-0s-192
Cross Section
-48.83 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5296 MeV
JENDL5.0 Threshold 3.4080 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^2
10^0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
76-0s-192

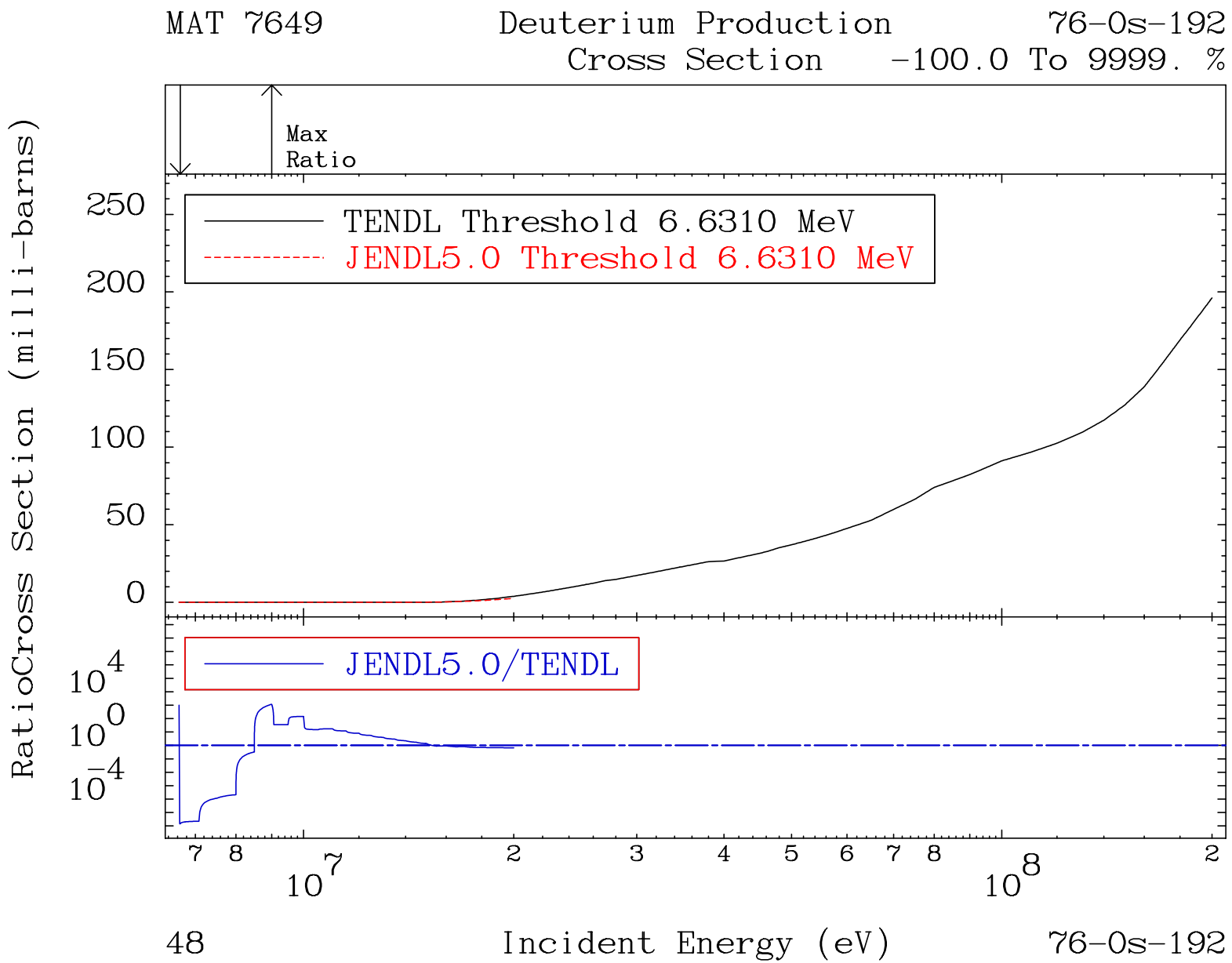

MAT 7649
(n,d)
76-0s-192
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6310 MeV
JENDL5.0 Threshold 6.6310 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^{4}
10^{0}
10^{-4}
7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
43
Incident Energy (eV)
76-0s-192

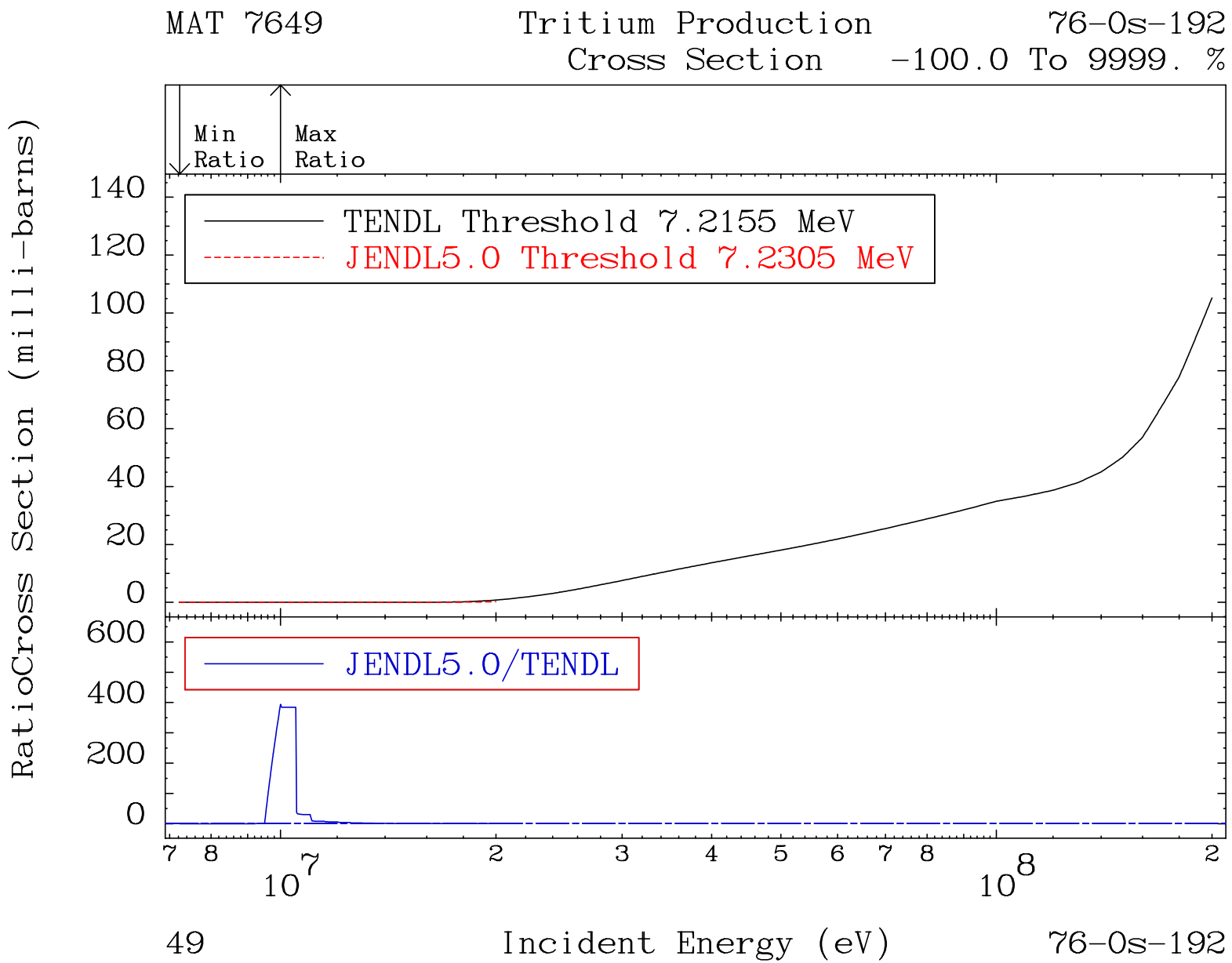

MAT 7649
(n,t)
76-0s-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.2155 MeV
JENDL5.0 Threshold 7.2305 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
76-0s-192

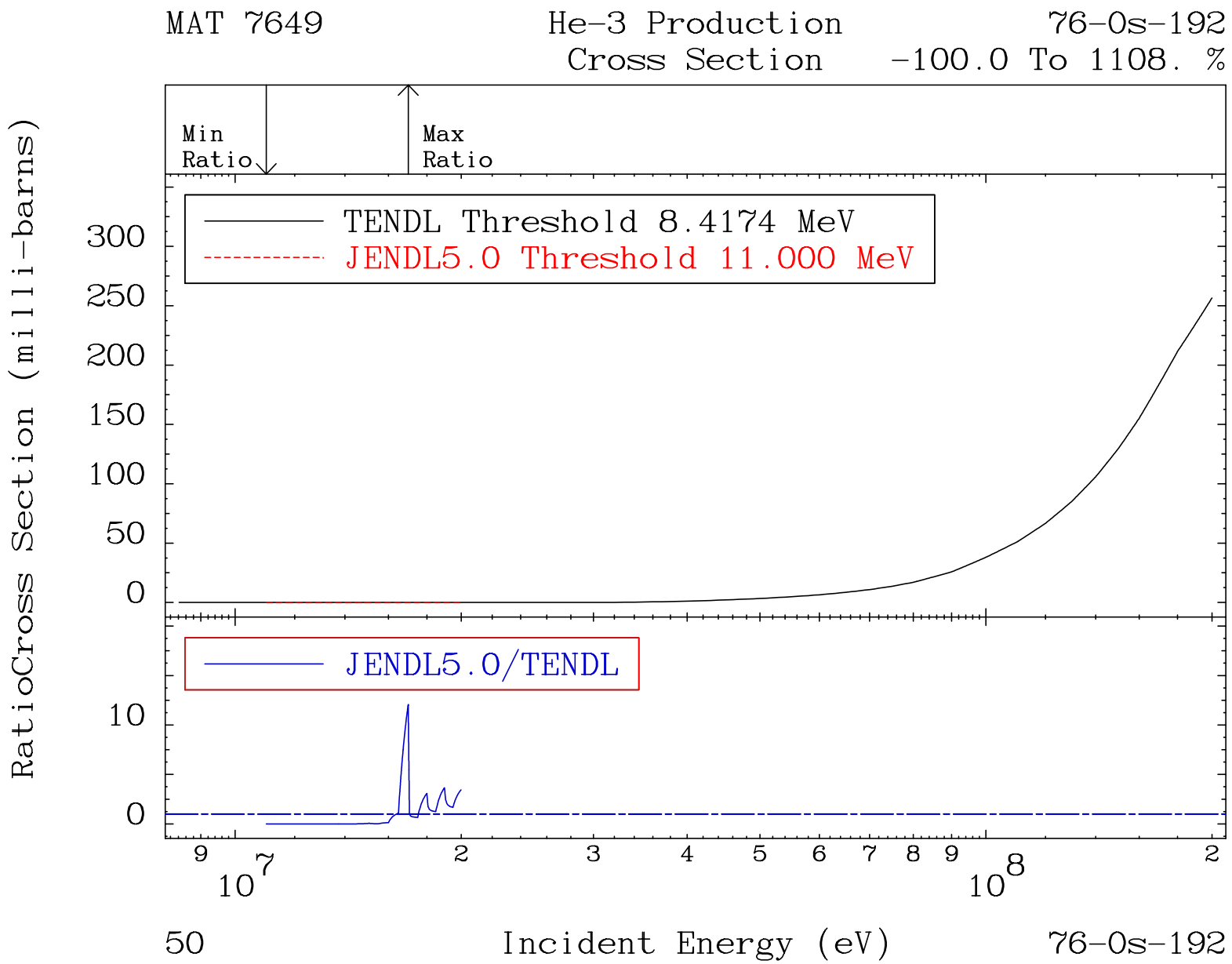

MAT 7649
(n,He-3)
76-0s-192
Cross Section
-100.0 To 2632. %
Min Ratio
Max Ratio
TENDL Threshold 8.4174 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
40
20
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
45
Incident Energy (eV)
76-0s-192

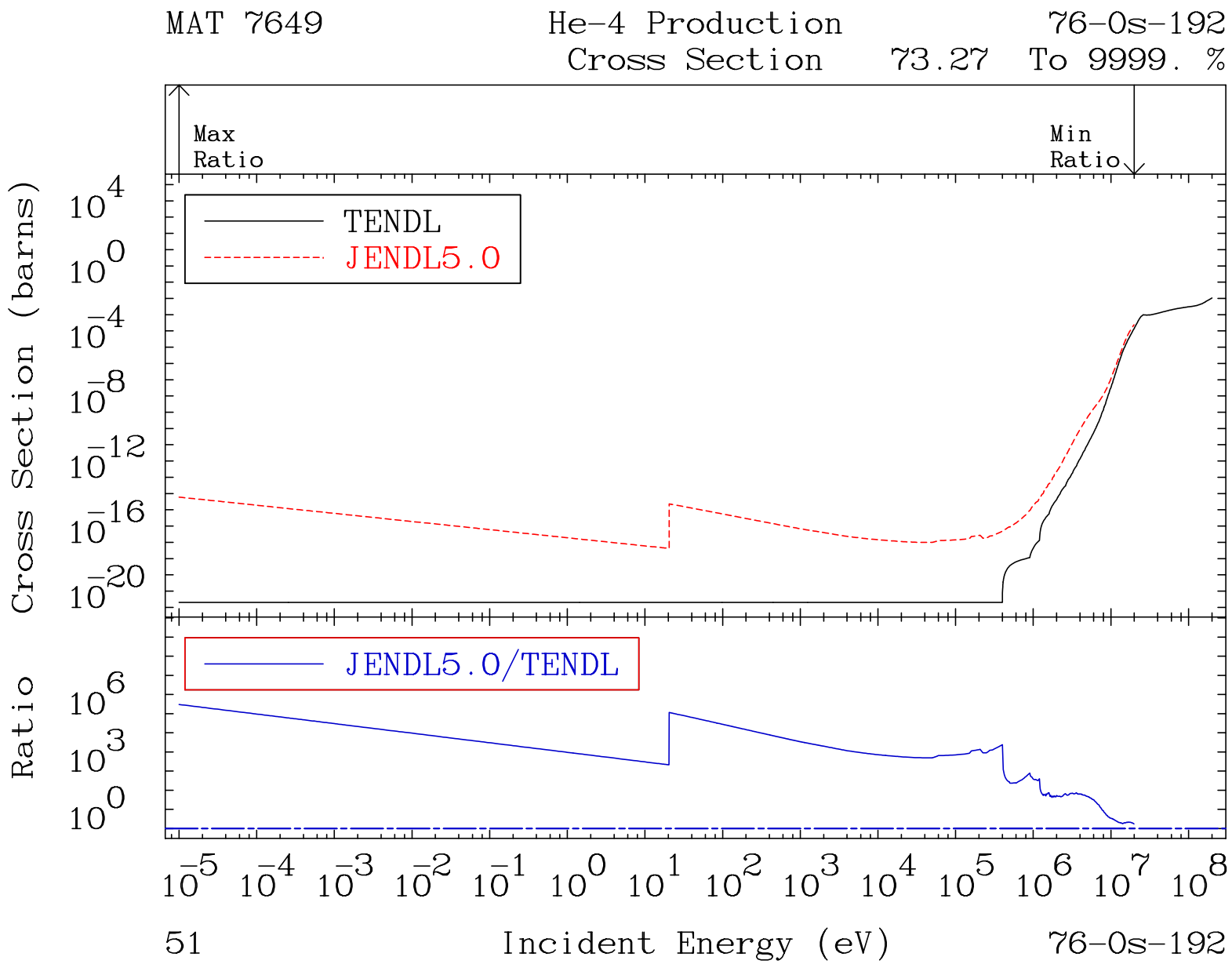

MAT 7649
(n,α)
76-0s-192
Cross Section 51.09 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
76-0s-192

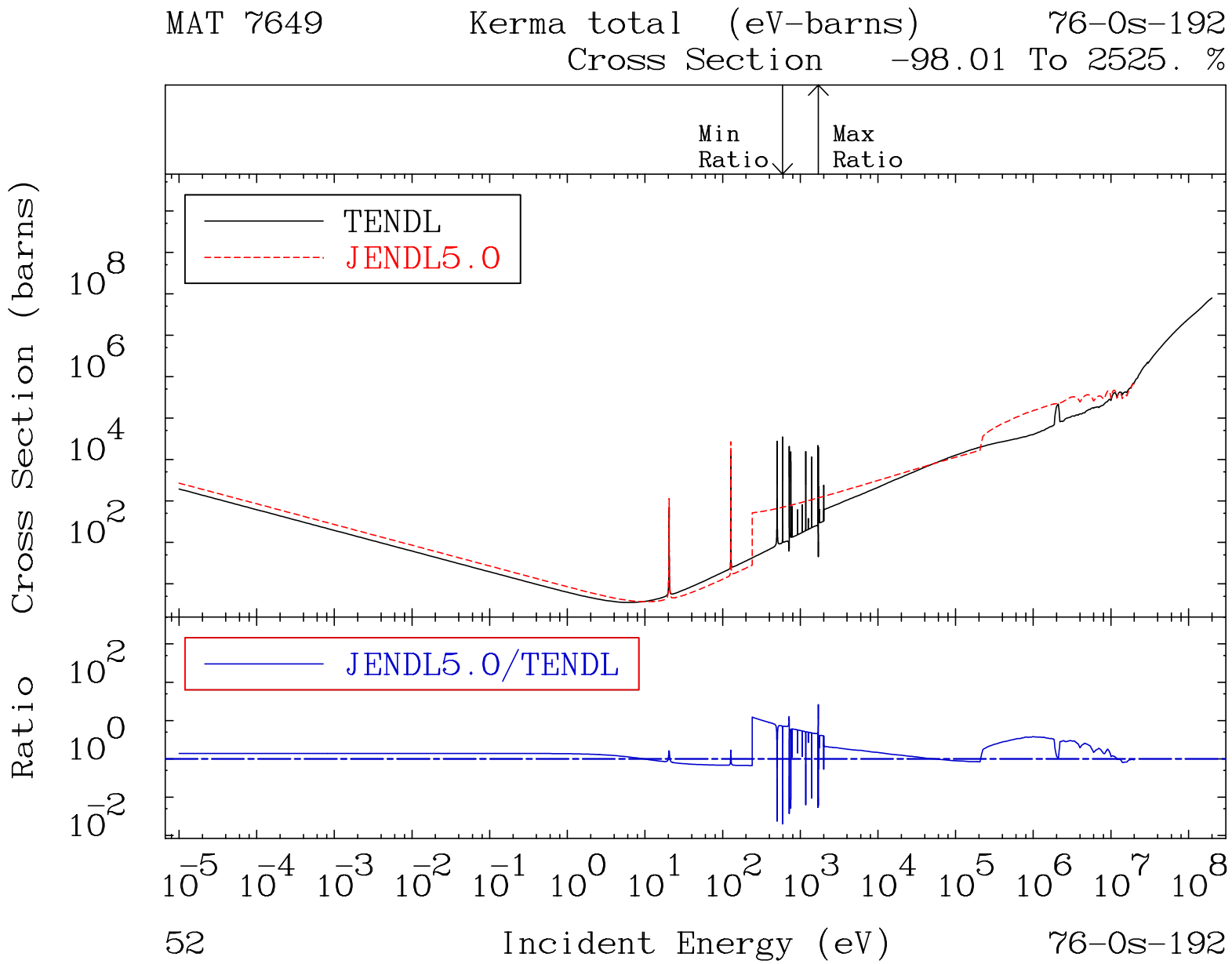

MAT 7649
Hydrogen Production
76-0s-192
Cross Section -48.83 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5296 MeV
JENDL5.0 Threshold 3.4080 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
76-0s-192

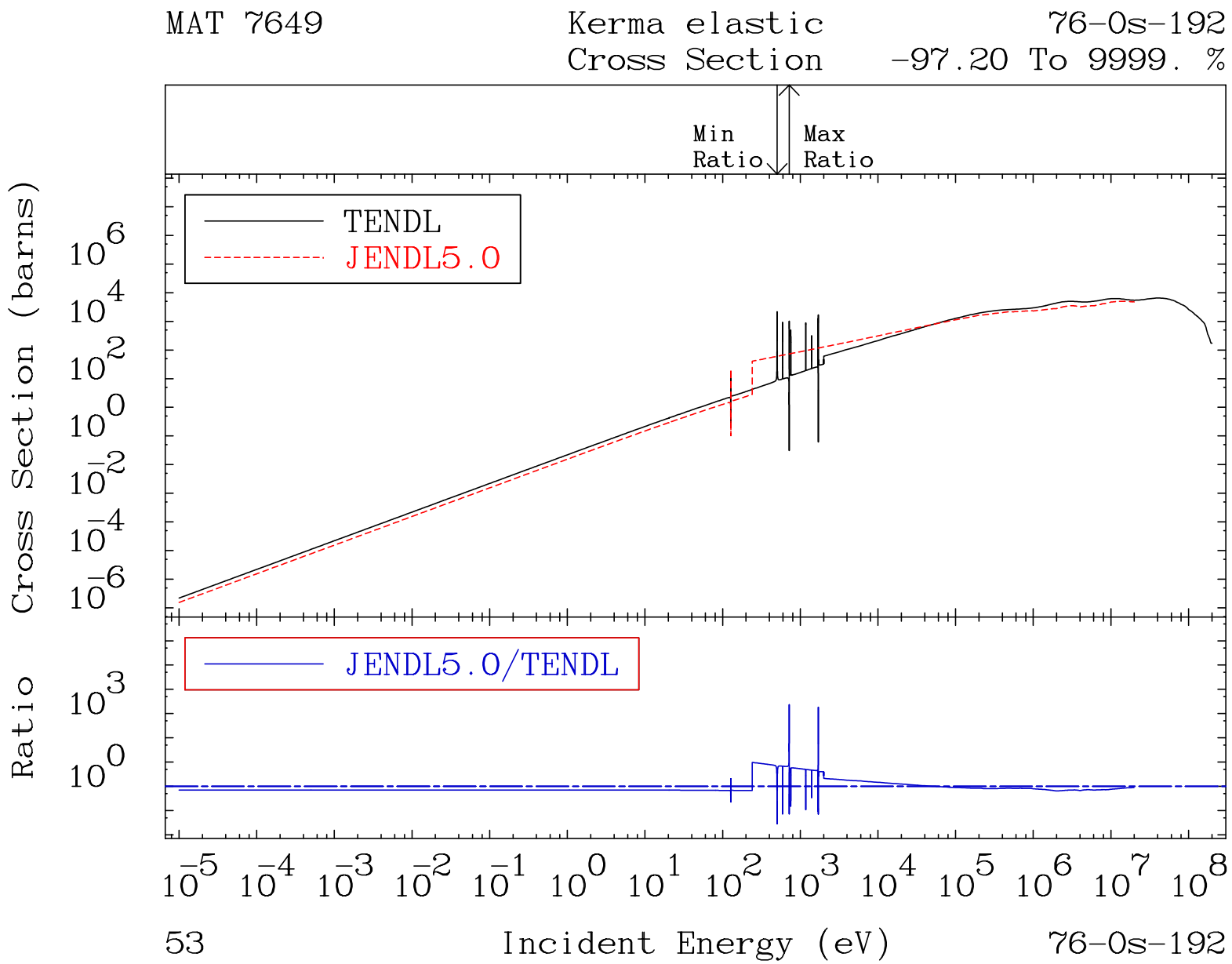

MAT 7649
Deuterium Production
76-0s-192
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6310 MeV
JENDL5.0 Threshold 6.6310 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^4
10^0
10^-4
7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
76-0s-192

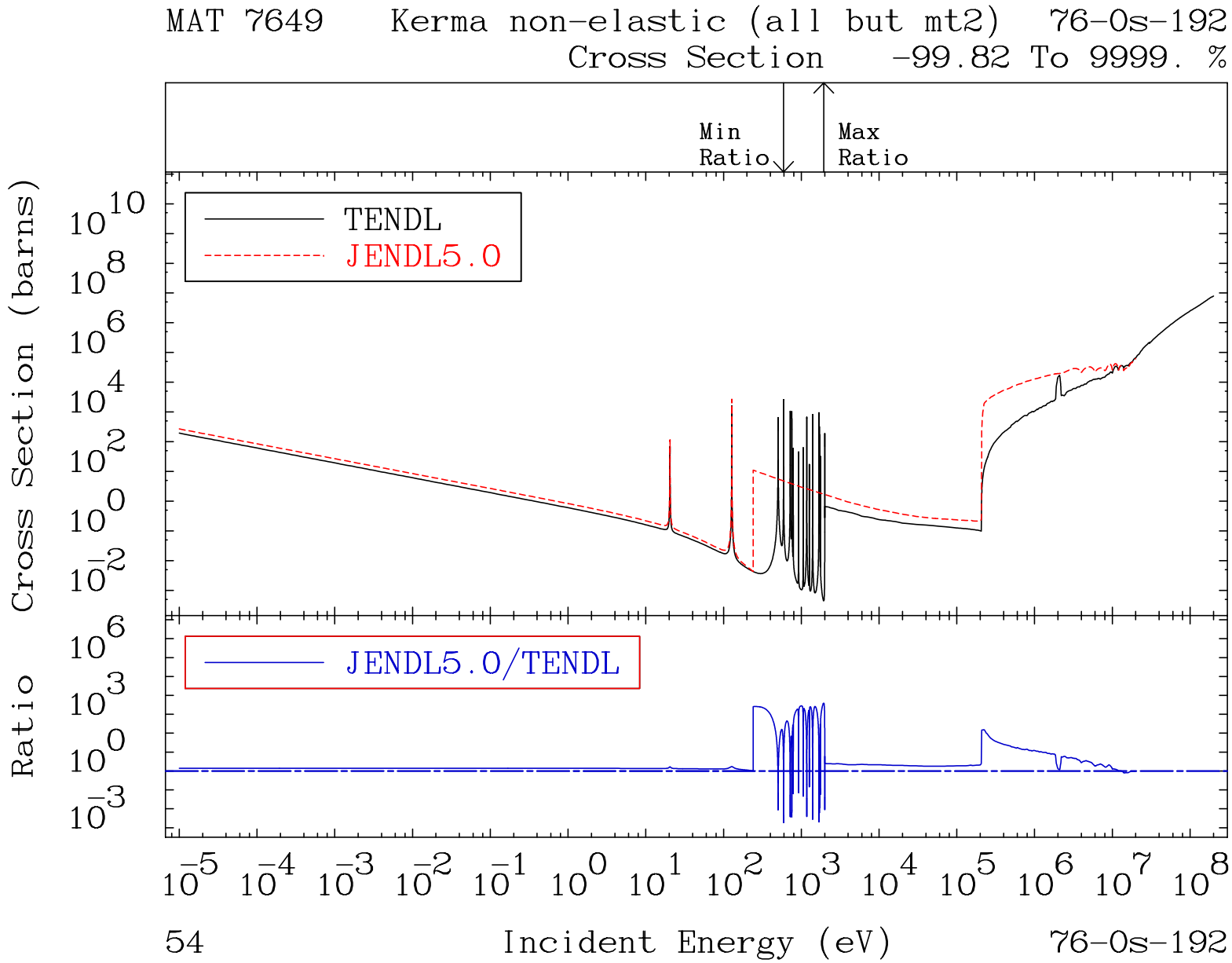

MAT 7649
Tritium Production
76-0s-192
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.2155 MeV
JENDL5.0 Threshold 7.2305 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
600
400
200
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
76-0s-192

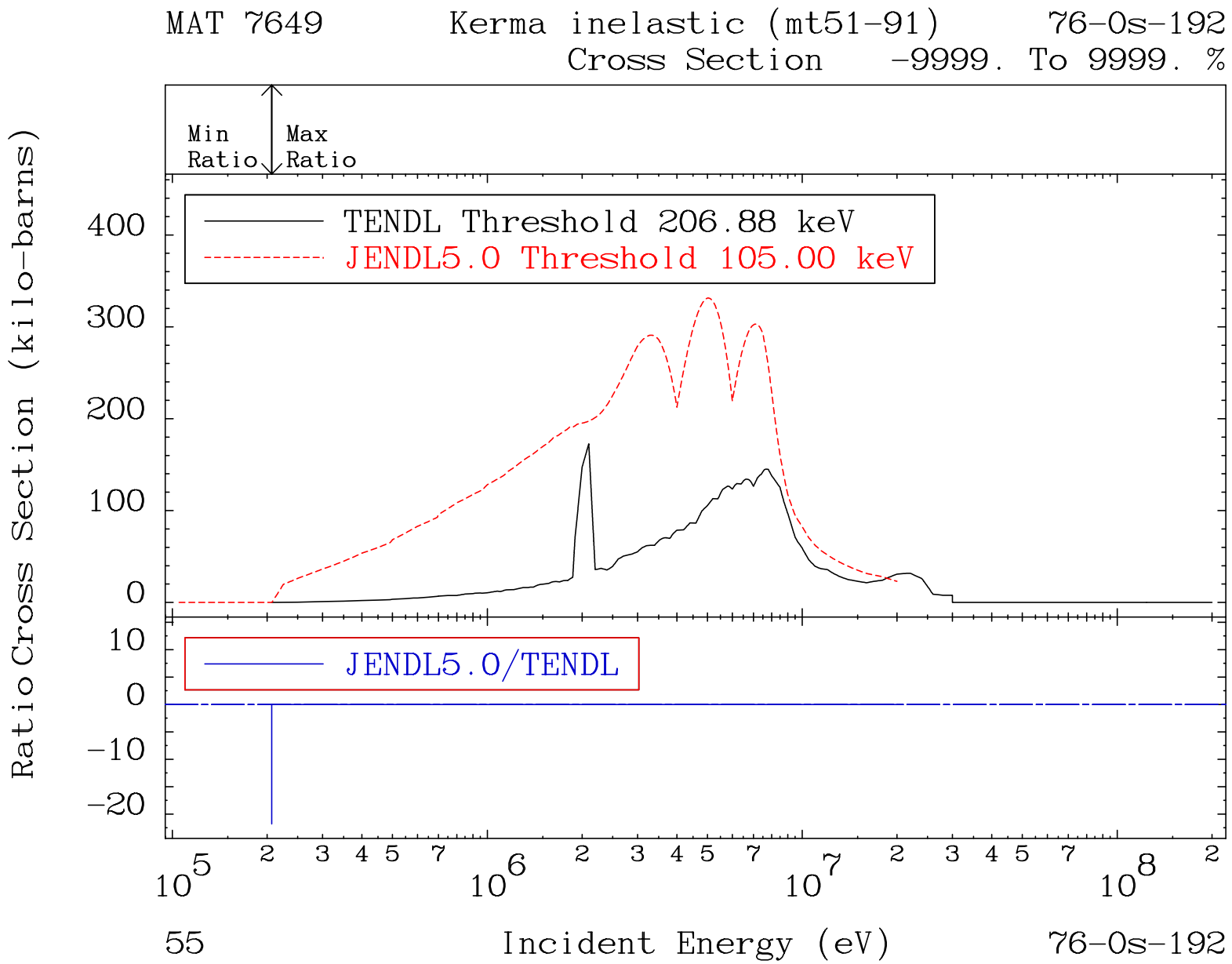

MAT 7649
He-3 Production
Cross Section
76-0s-192
-100.0 To 1108. %
Min Ratio
Max Ratio
TENDL Threshold 8.4174 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
76-0s-192

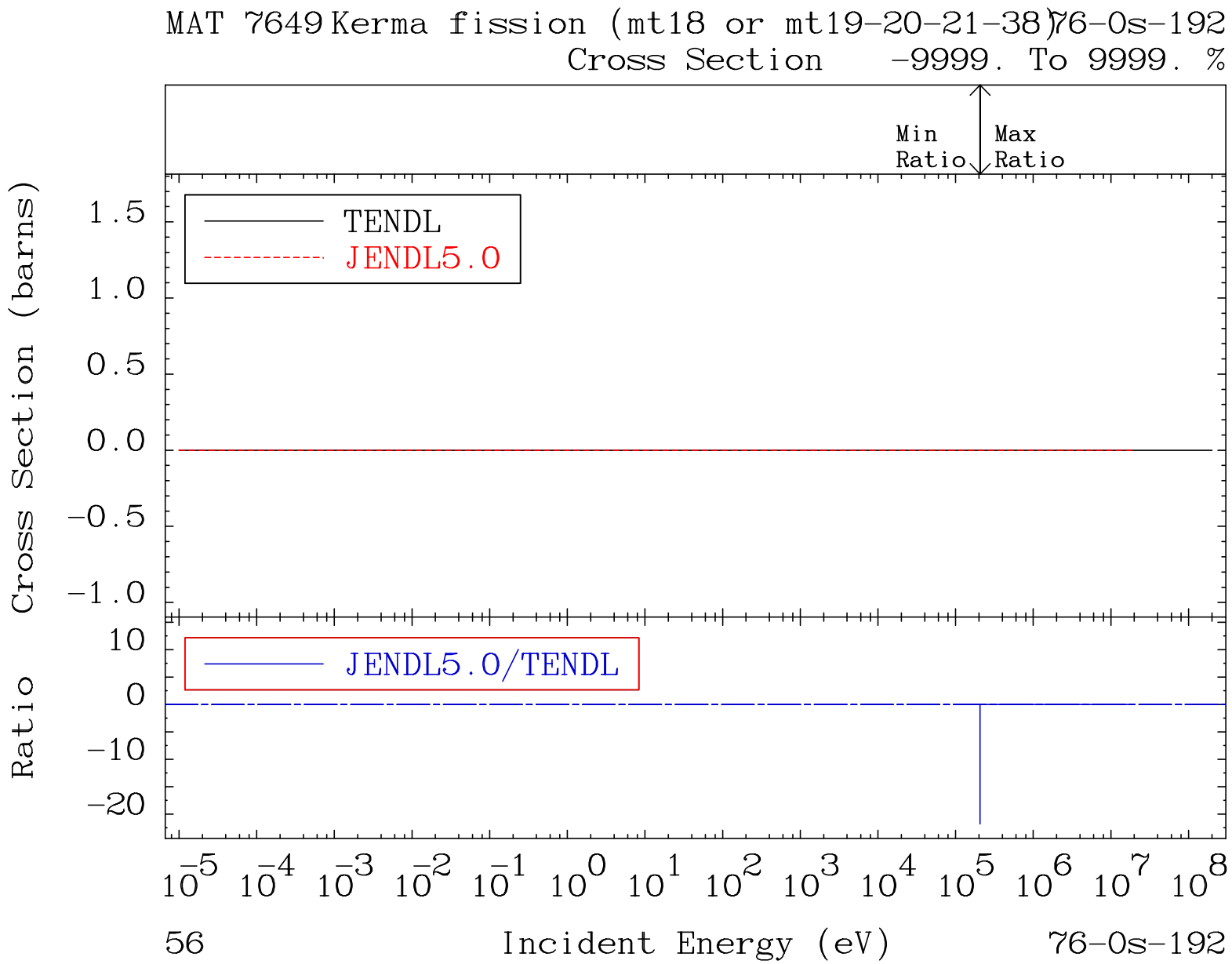

MAT 7649
He-4 Production
Cross Section
73.27
To 9999. %
76-0s-192
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
76-0s-192

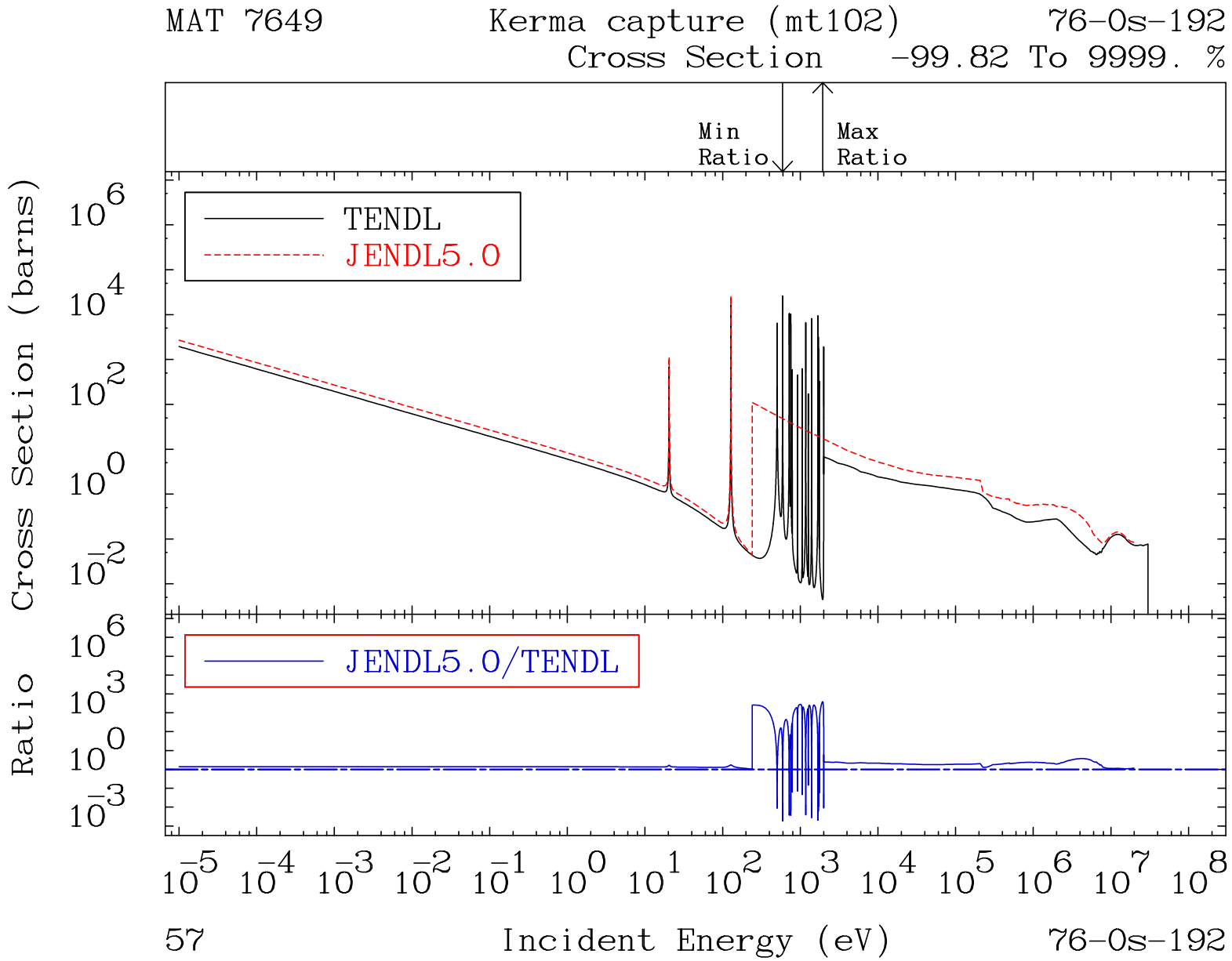

MAT 7649
Kerma total (eV-barns)
76-0s-192
Cross Section -98.01 To 2525. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
76-0s-192

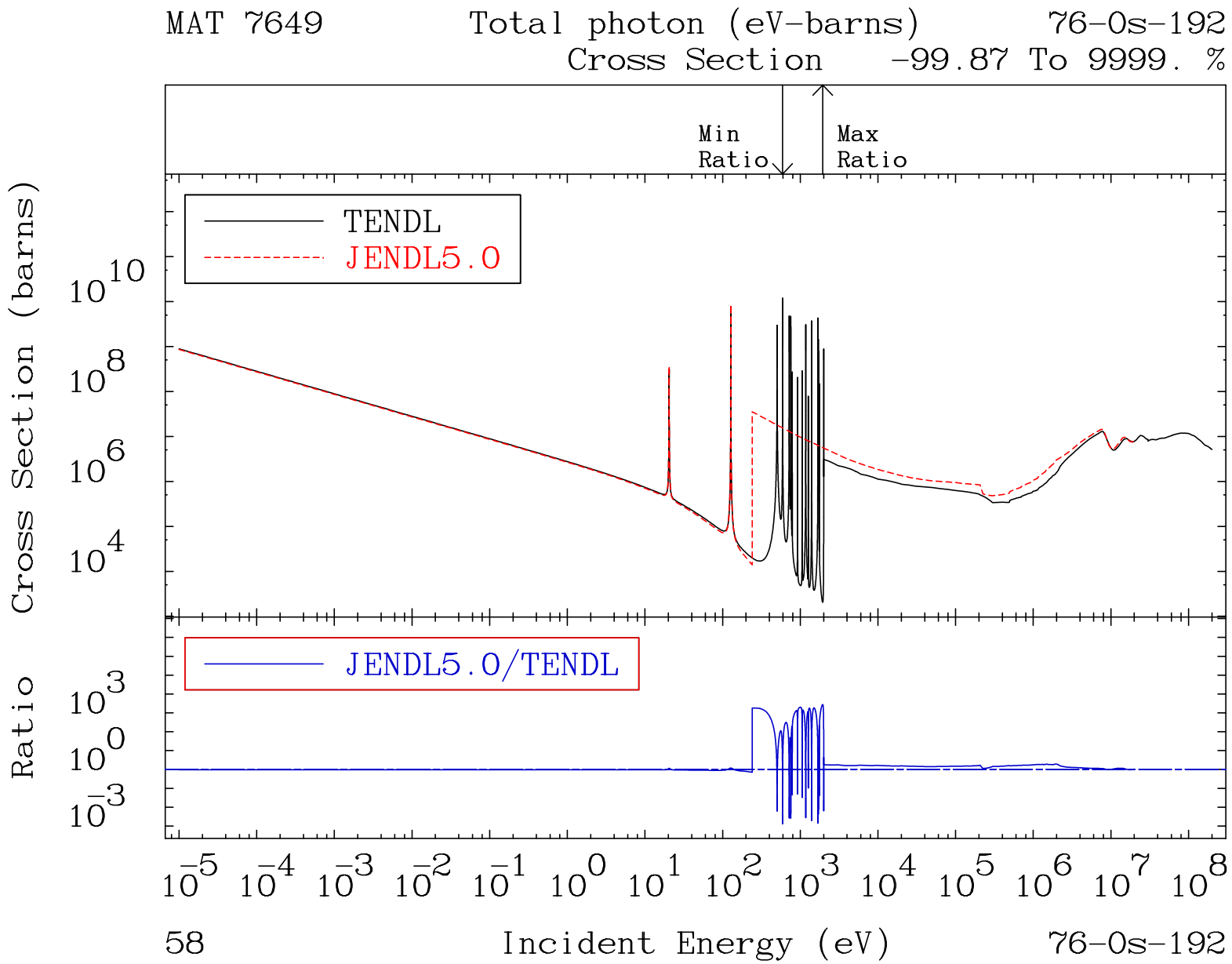

MAT 7649
Kerma elastic
Cross Section
76-0s-192
-97.20 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
76-0s-192

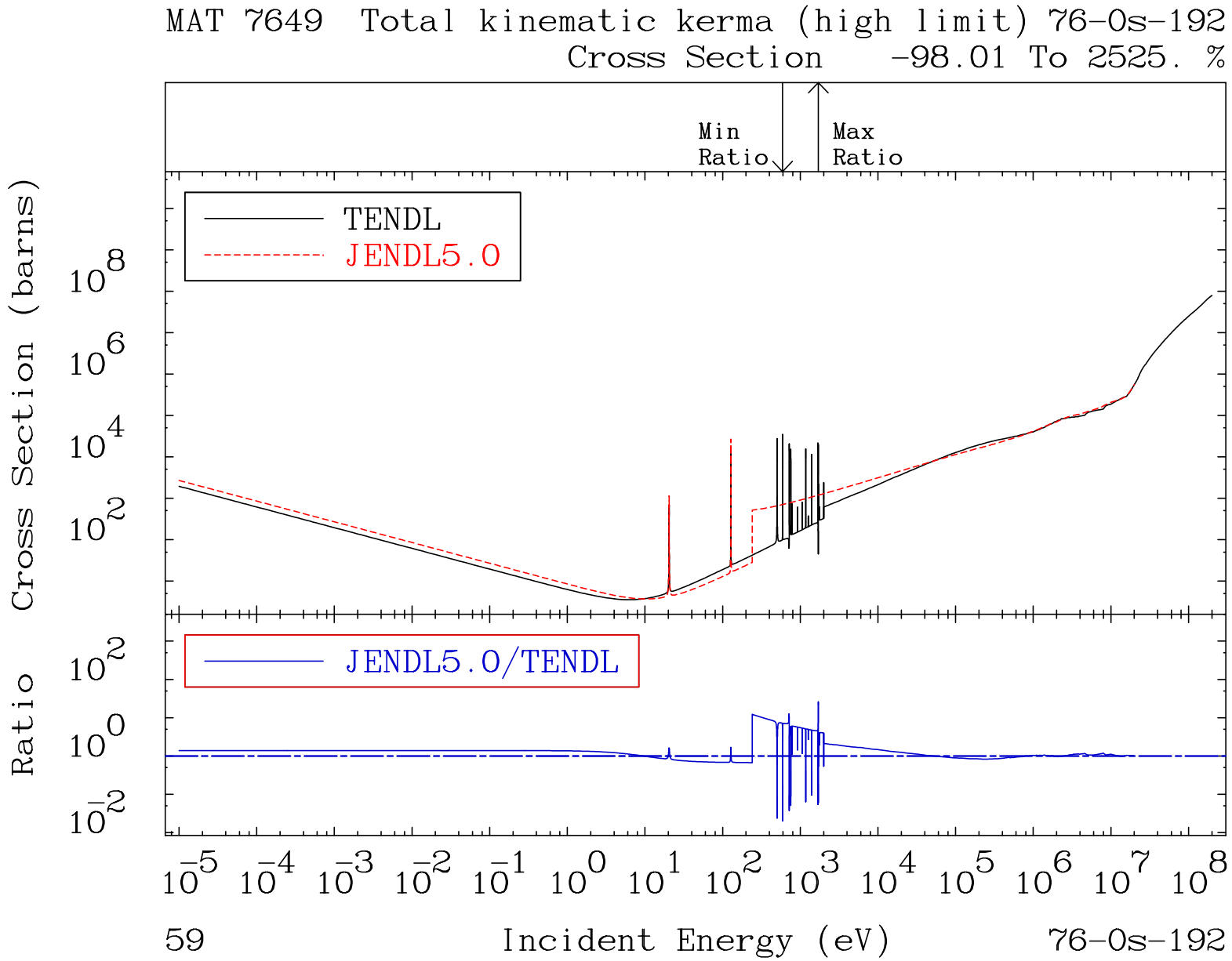

MAT 7649 Kerma non-elastic (all but mt2) 76-0s-192
Cross Section -99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
76-0s-192

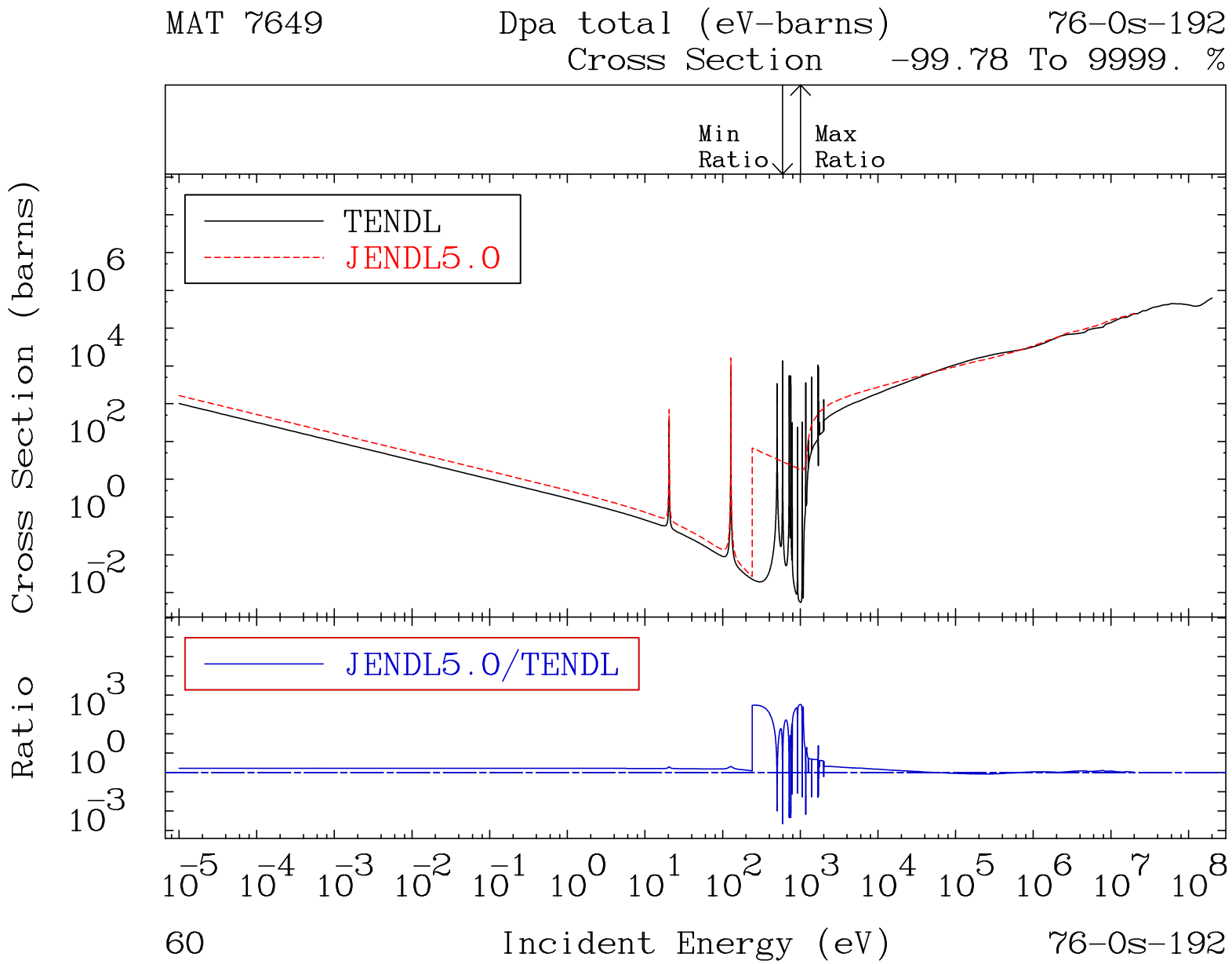

MAT 7649
Kerma inelastic (mt51-91)
76-0s-192
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 206.88 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Ratio Cross Section (kilo-barns)
400
300
200
100
0
10
0
-10
-20
10^5
10^6
10^7
10^8
2 3 4 5 7
55
Incident Energy (eV)
76-0s-192

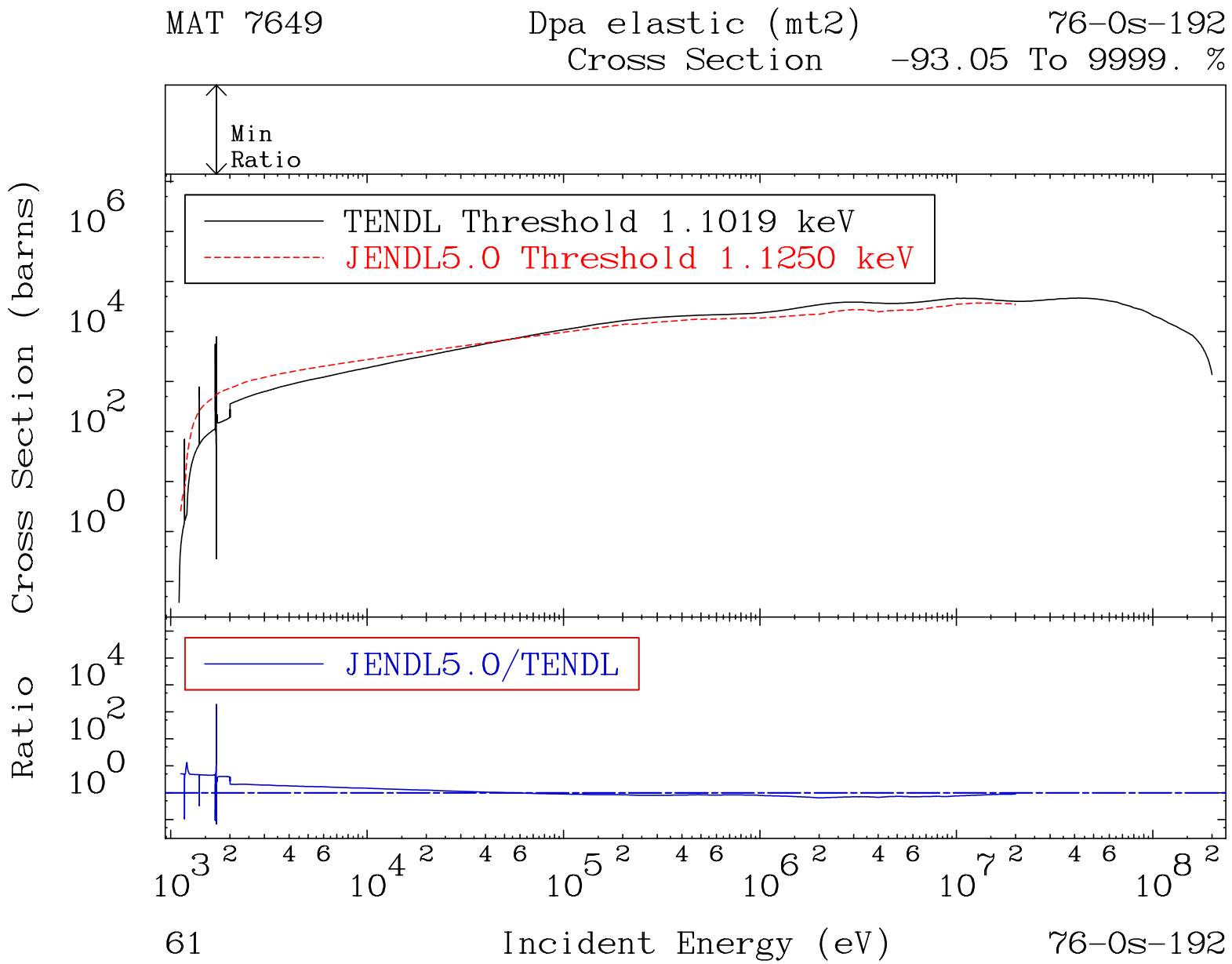

MAT 7649 Kerma fission (mt18 or mt19-20-21-38) 76-0s-192
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10
0
-10
-20
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
56
76-0s-192

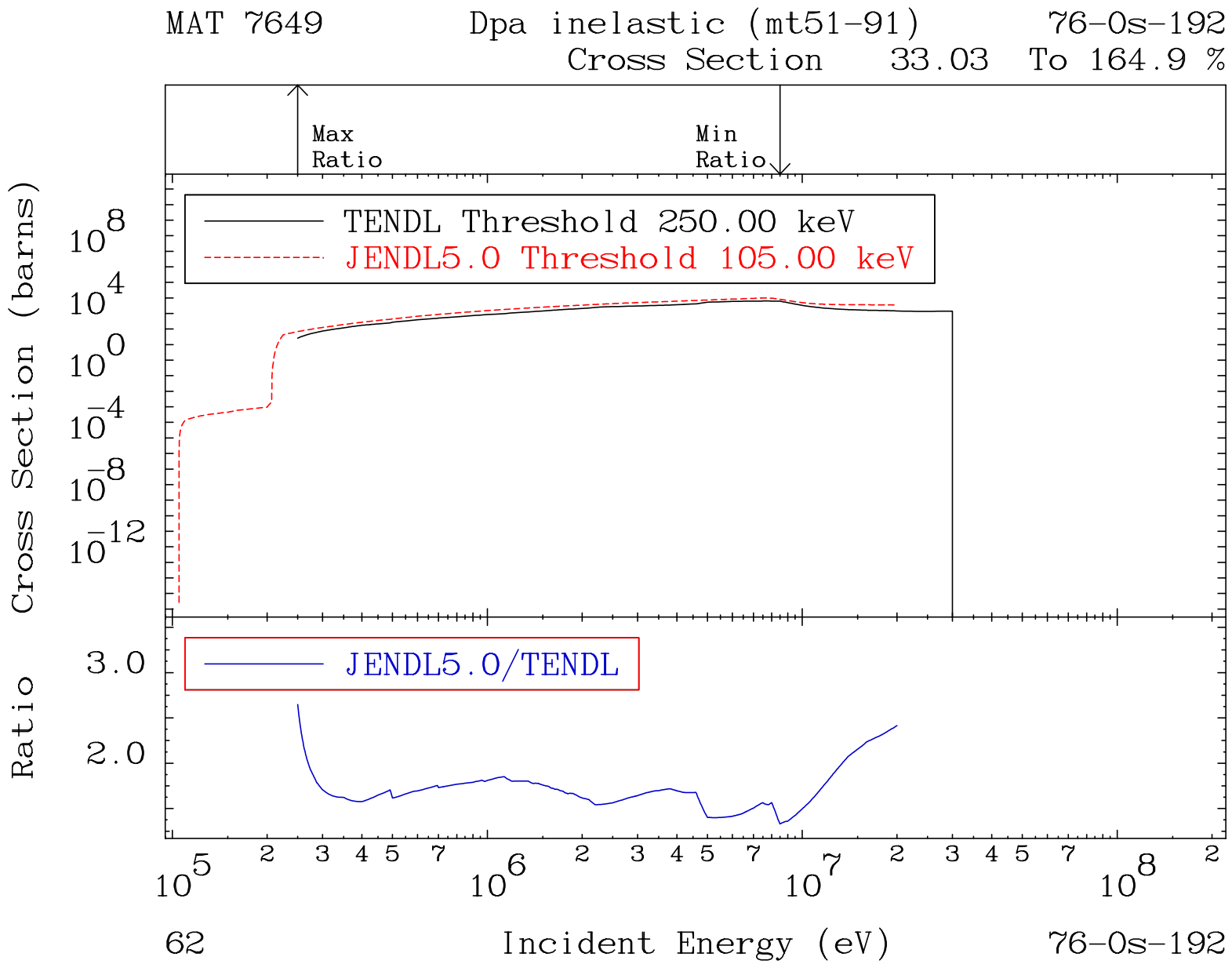

MAT 7649
Kerma capture (mt102)
76-0s-192
Cross Section -99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
76-0s-192

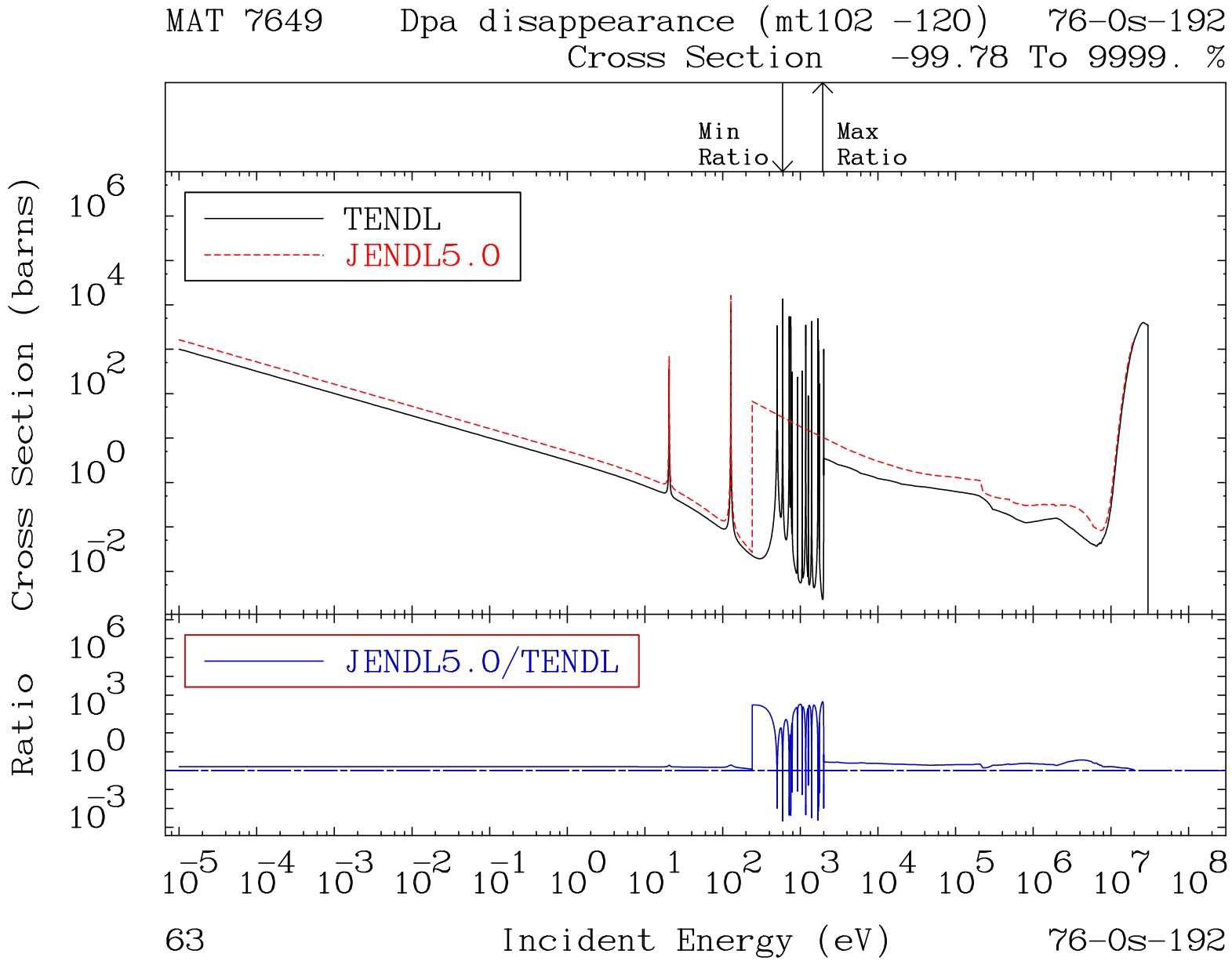

MAT 7649
Total photon (eV-barns)
76-0s-192
Cross Section -99.87 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
58
76-0s-192

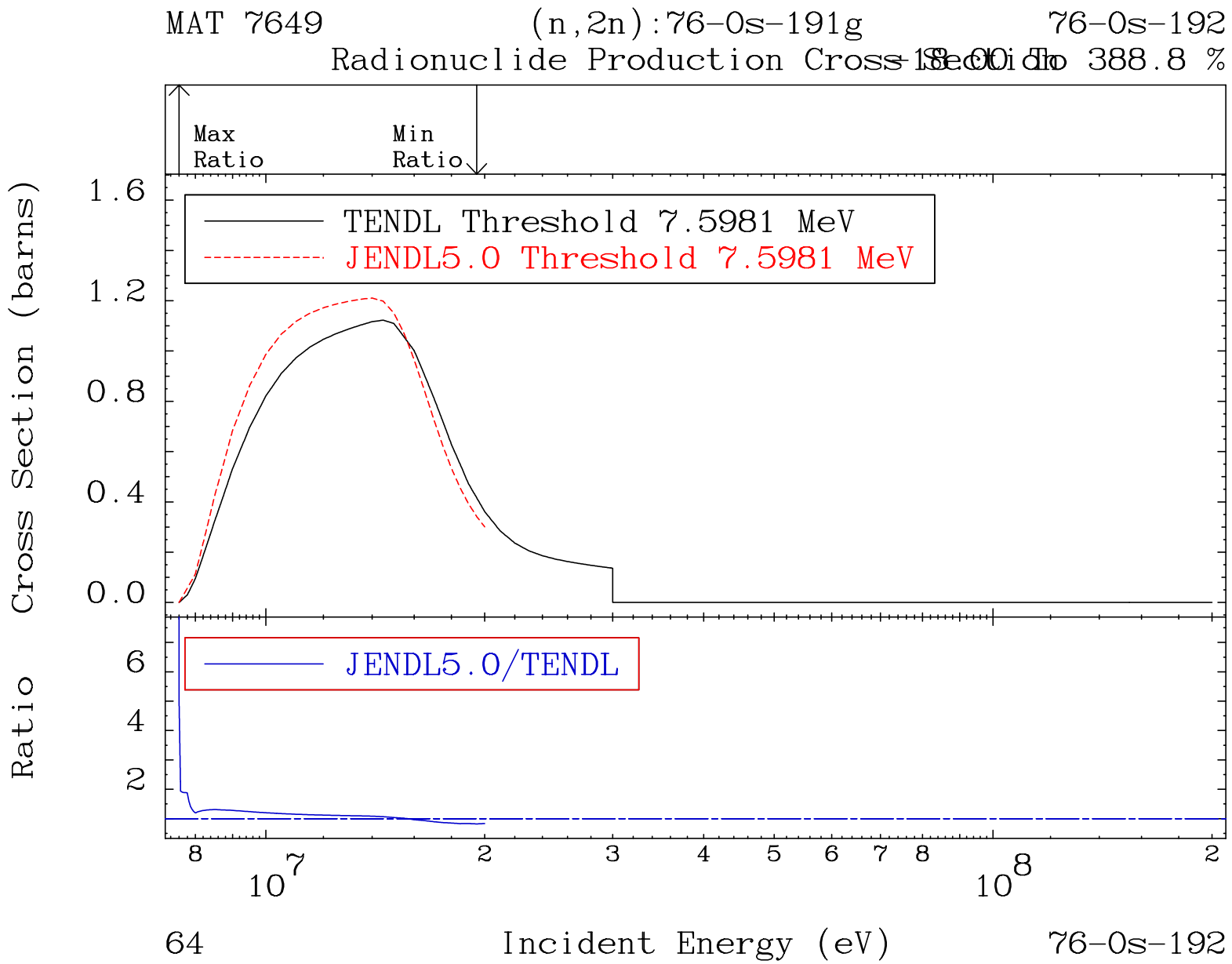

MAT 7649 Total kinematic kerma (high limit) 76-0s-192
Cross Section -98.01 To 2525. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
76-0s-192

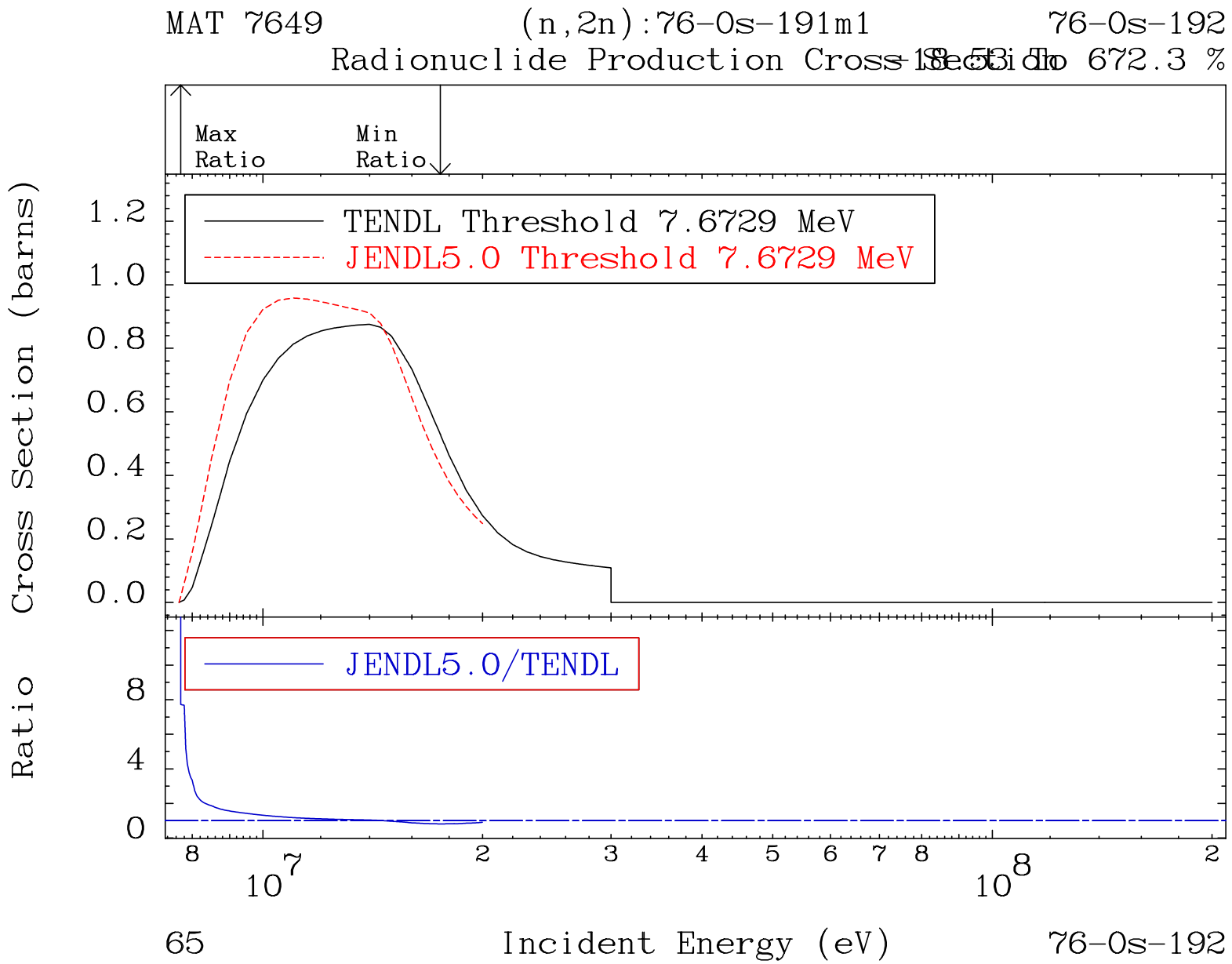

MAT 7649
Dpa total (eV-barns)
76-0s-192
Cross Section -99.78 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
76-0s-192

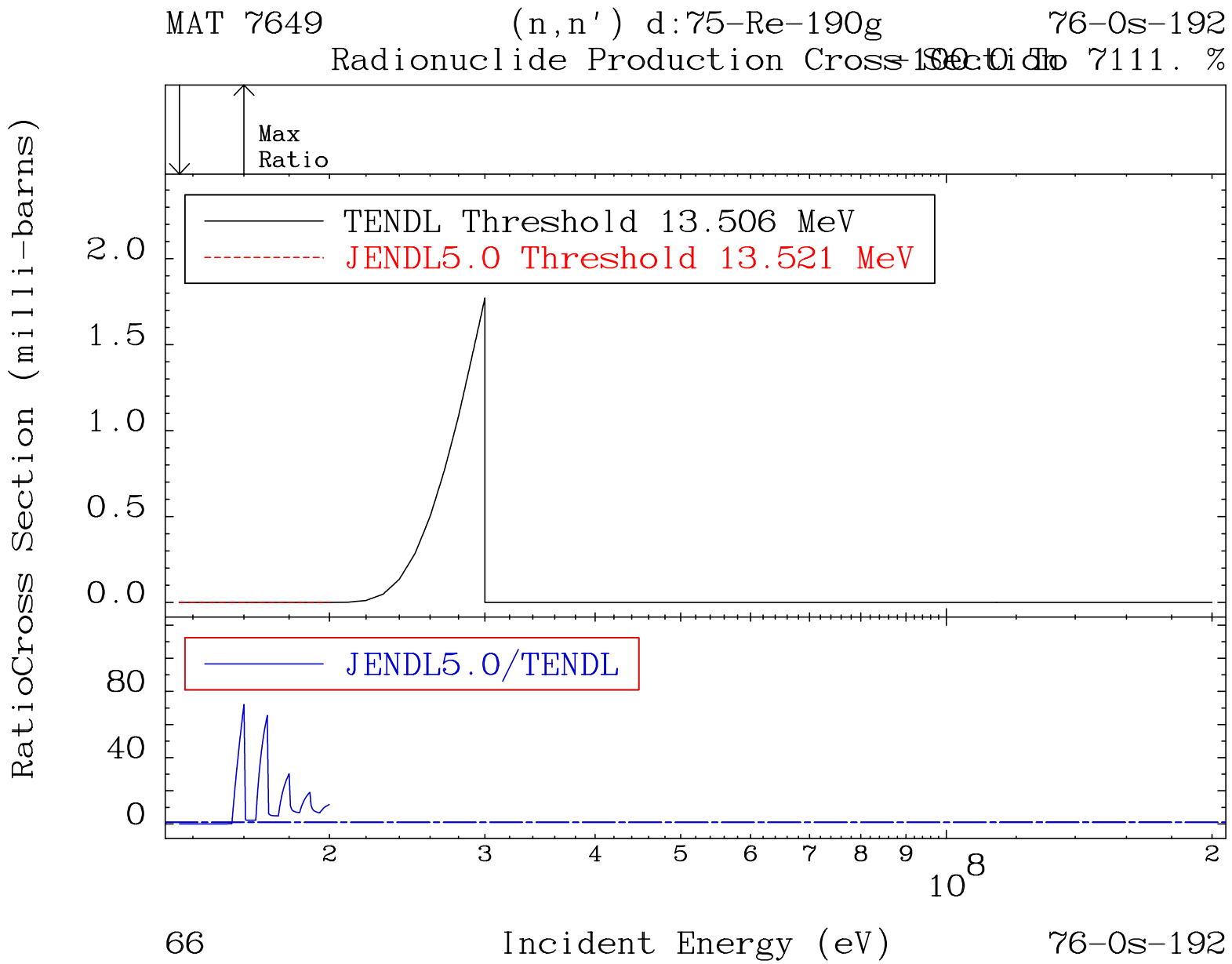

MAT 7649
Dpa elastic (mt2)
Cross Section
76-0s-192
-93.05 To 9999. %
Min
Ratio
TENDL Threshold 1.1019 keV
JENDL5.0 Threshold 1.1250 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
76-0s-192

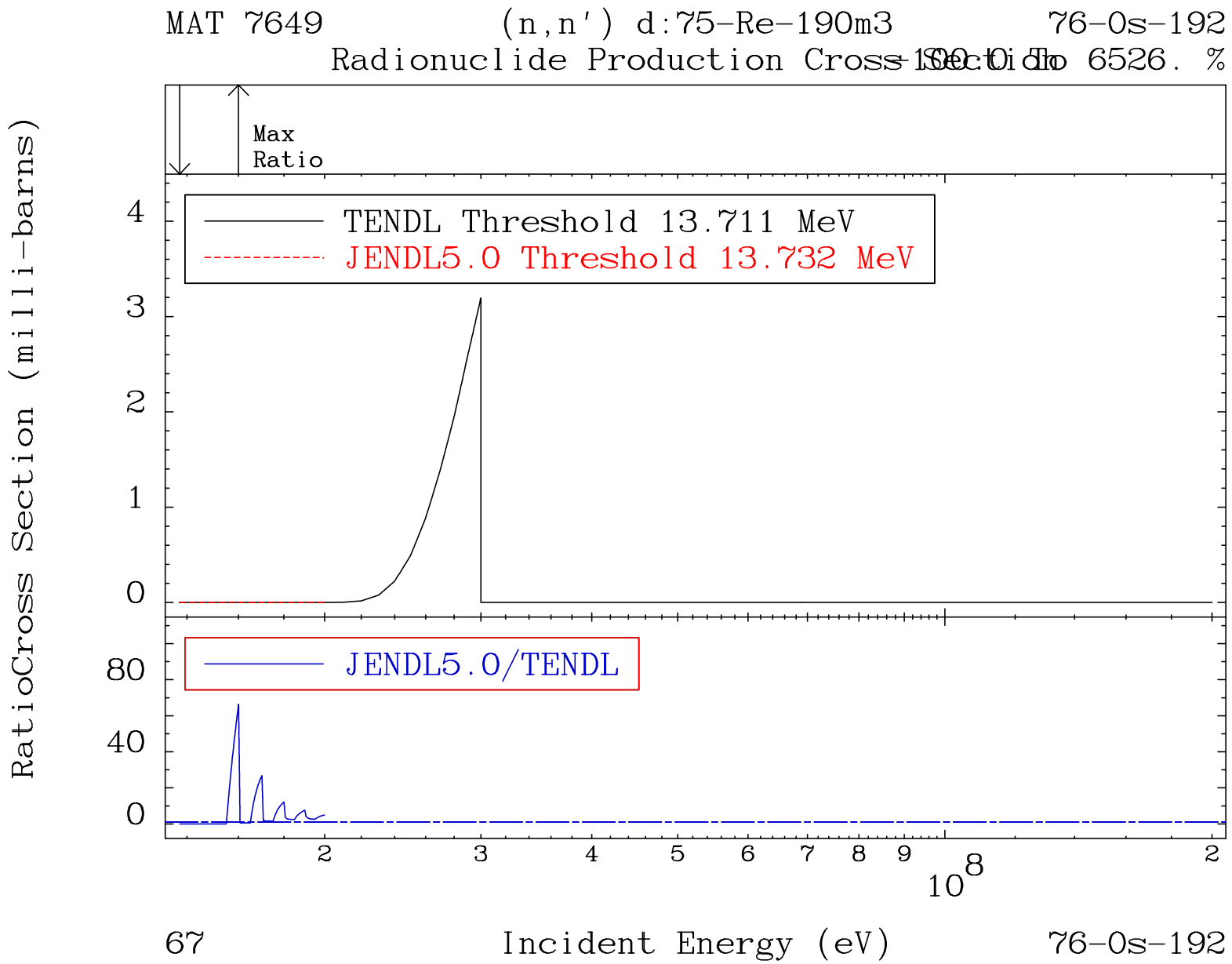

MAT 7649
Dpa inelastic (mt51-91)
76-0s-192
Cross Section 33.03 To 164.9 %
Max Ratio
Min Ratio
TENDL Threshold 250.00 keV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
76-0s-192

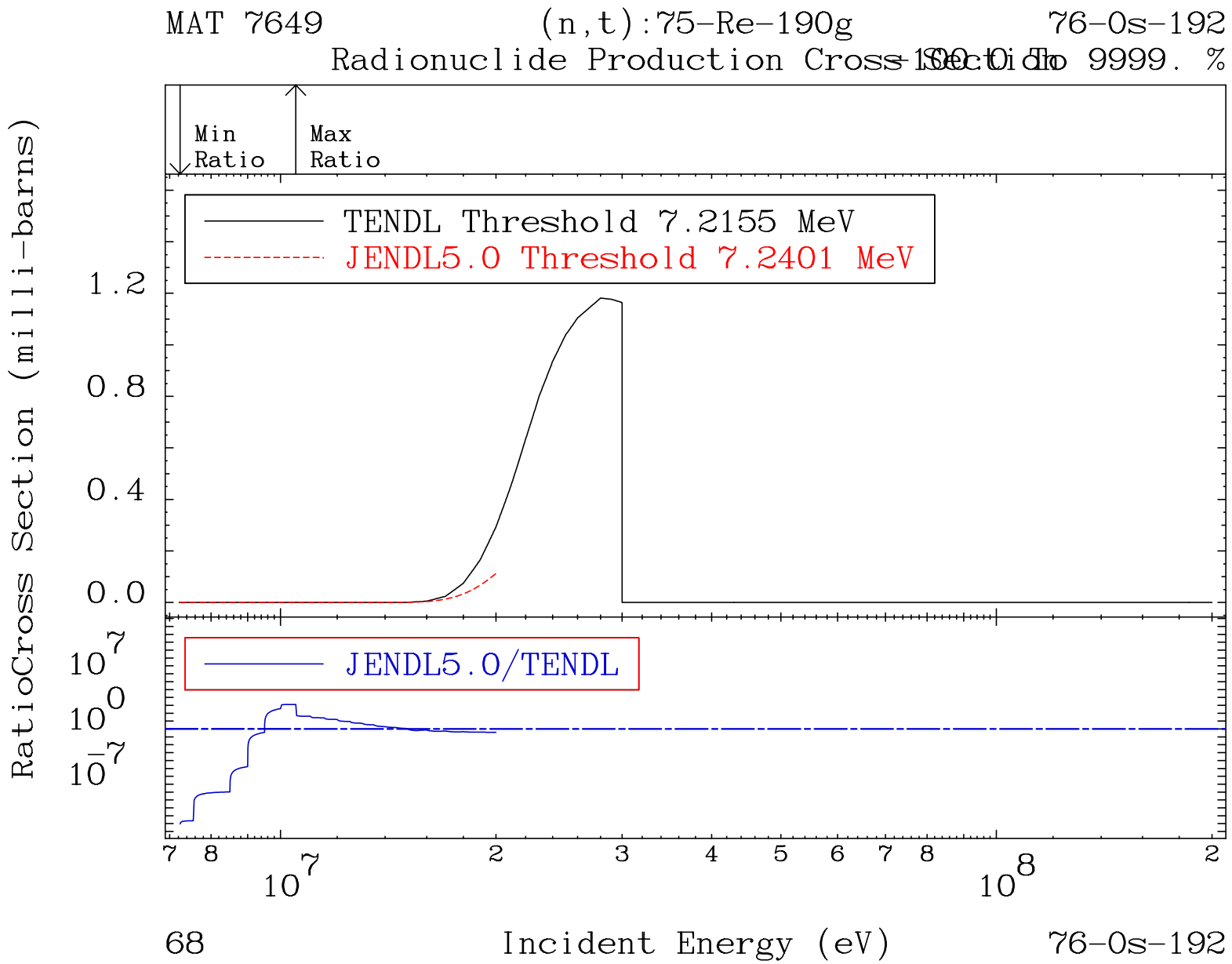

MAT 7649 Dpa disappearance (mt102 -120) 76-0s-192
Cross Section -99.78 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
76-0s-192

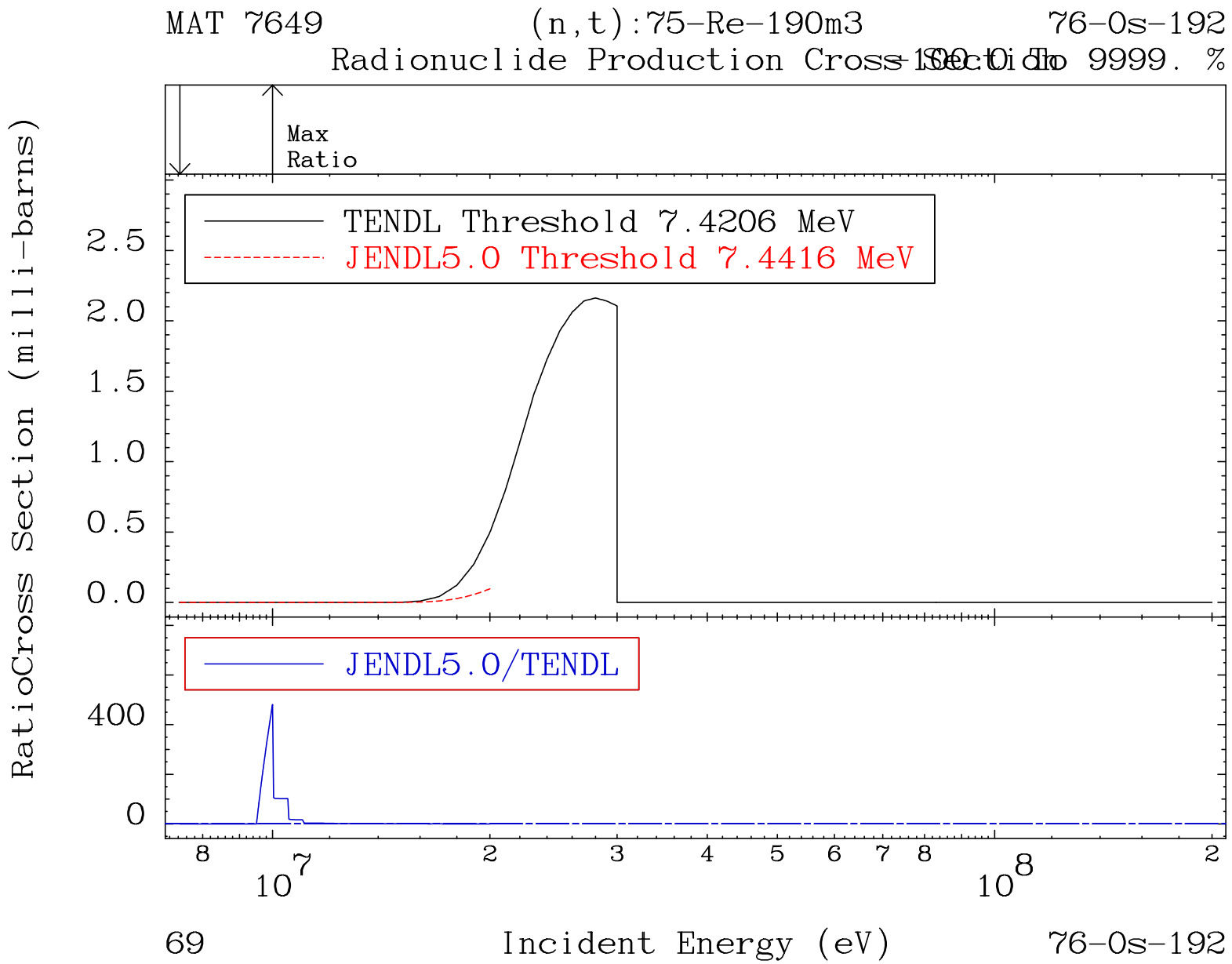

MAT 7649
(n,2n):76-Os-191g
76-Os-192
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 7.5981 MeV
JENDL5.0 Threshold 7.5981 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
76-Os-192

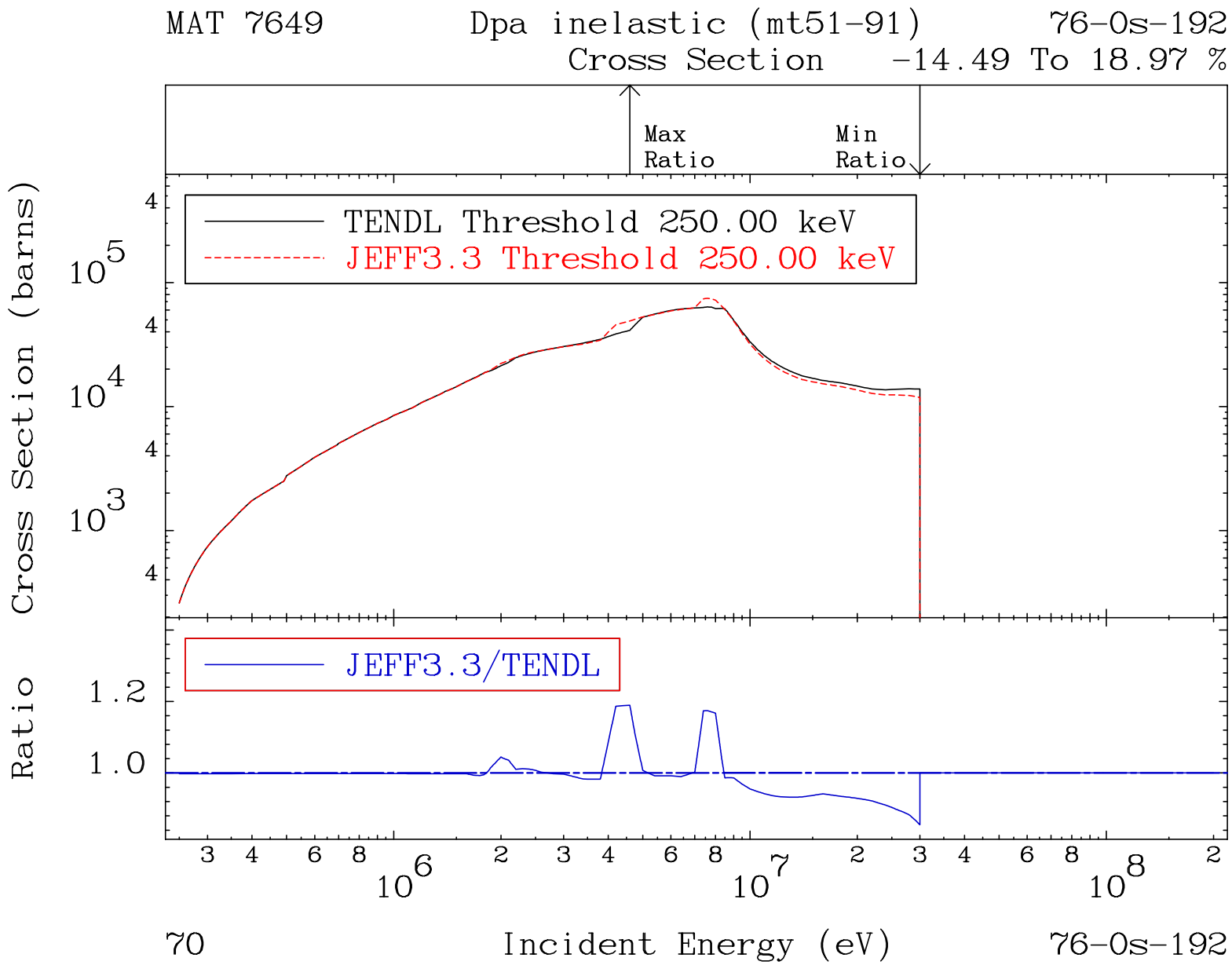

MAT 7649
(n,2n):76-Os-191m1
76-Os-192
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 7.6729 MeV
JENDL5.0 Threshold 7.6729 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
76-Os-192

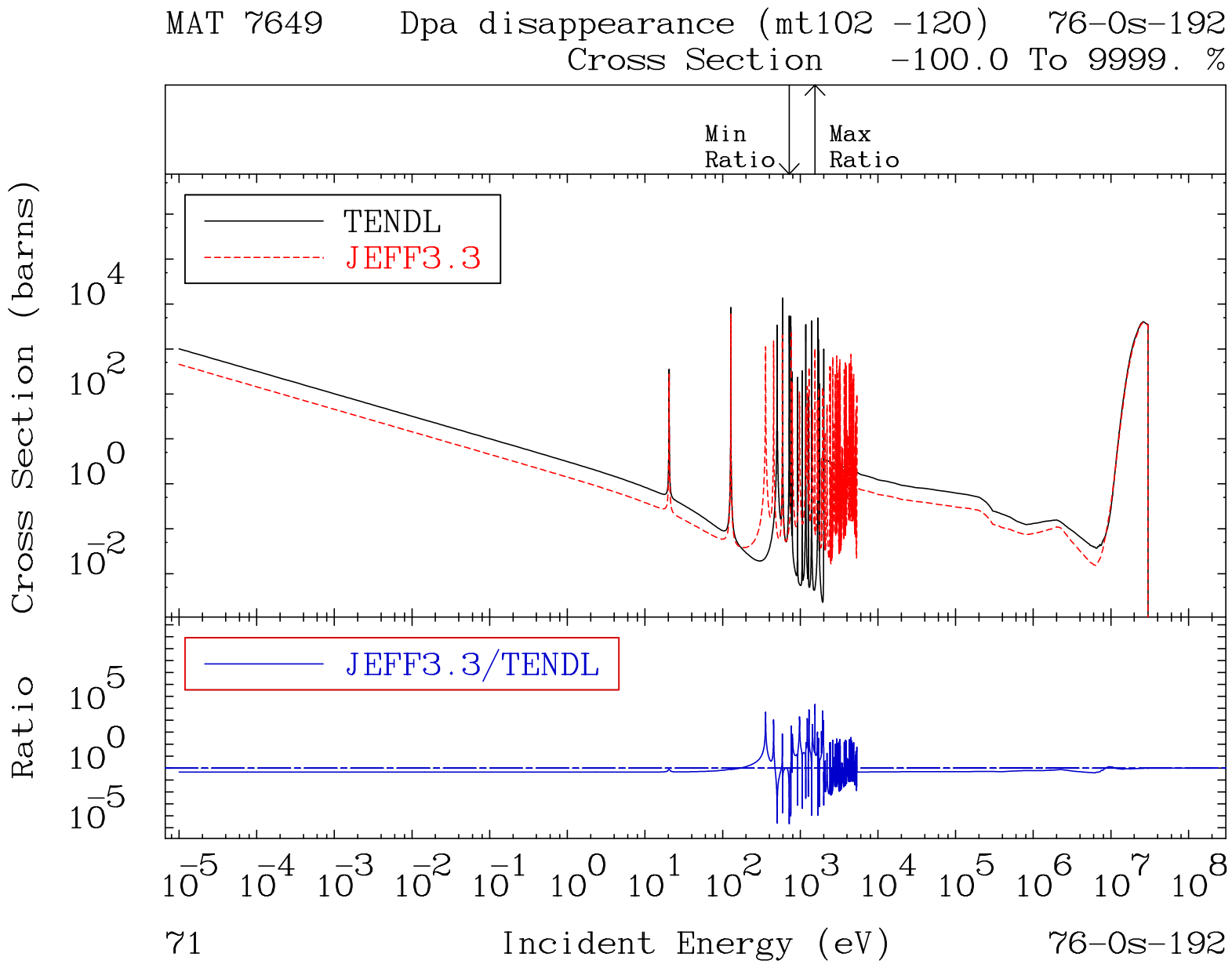

MAT 7649
(n,n') d:75-Re-190g
76-Os-192
Radionuclide Production Cross Section To 7111. %
Max
Ratio
TENDL Threshold 13.506 MeV
JENDL5.0 Threshold 13.521 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
76-Os-192

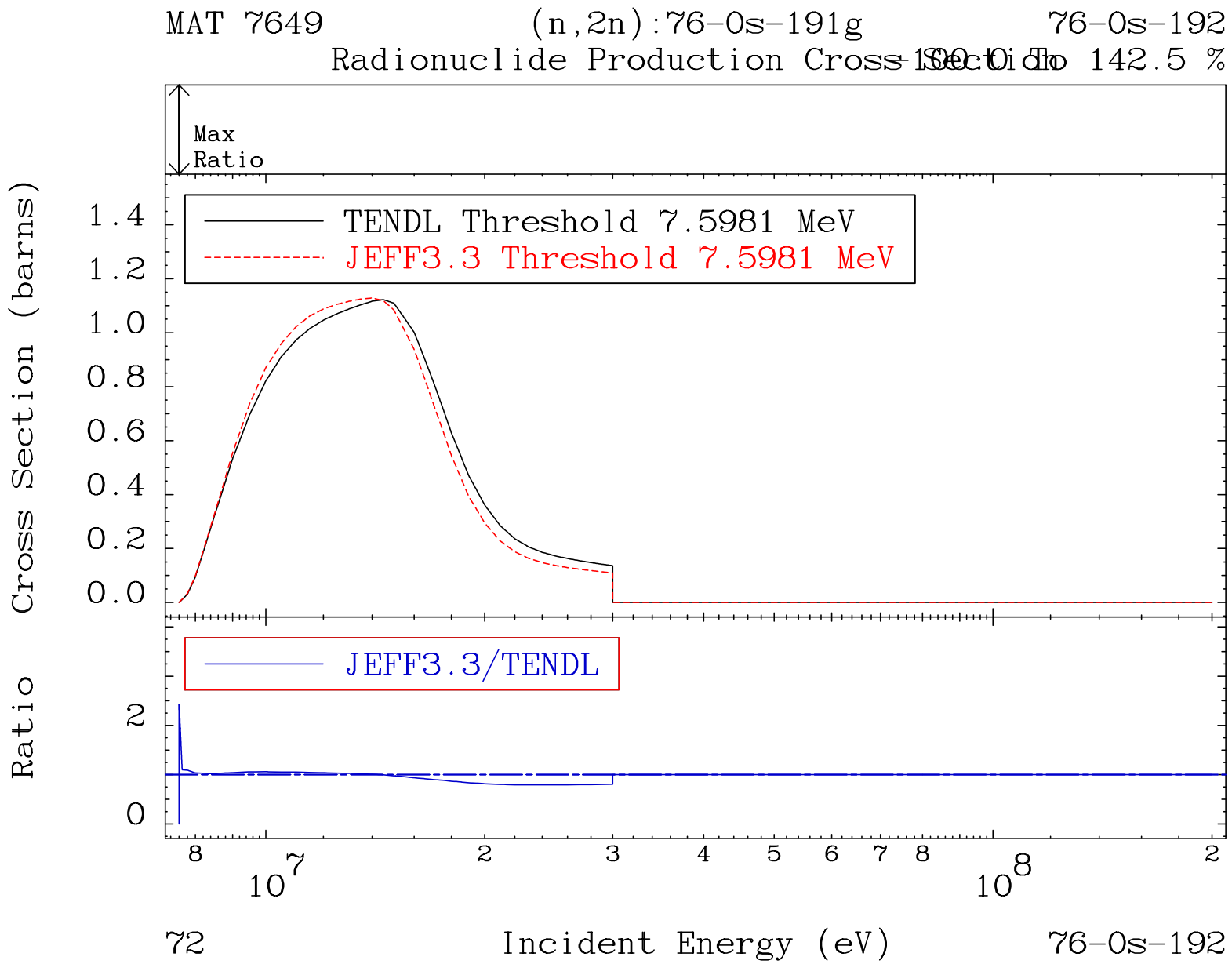

MAT 7649
(n,n') d:75-Re-190m3
76-Os-192
Radionuclide Production Cross Section To 6526. %
Max
Ratio
TENDL Threshold 13.711 MeV
JENDL5.0 Threshold 13.732 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
76-Os-192

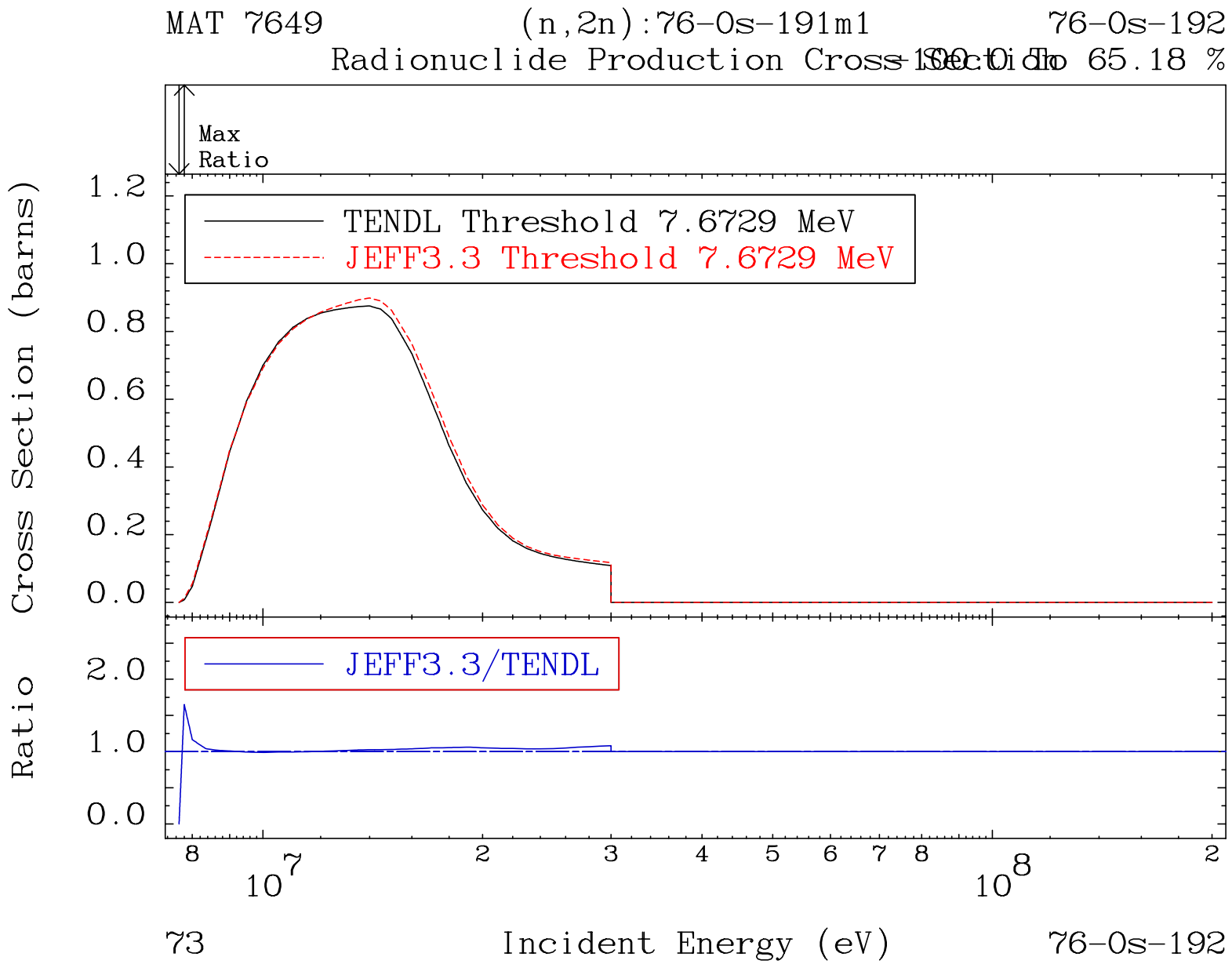

MAT 7649
(n,t):75-Re-190g
76-Os-192
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.2155 MeV
JENDL5.0 Threshold 7.2401 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
0.8
0.4
0.0
10^7
10^0
10^-7
7 8 10^7 2 3 4 5 6 7 8 10^8 2
68
Incident Energy (eV)
76-Os-192

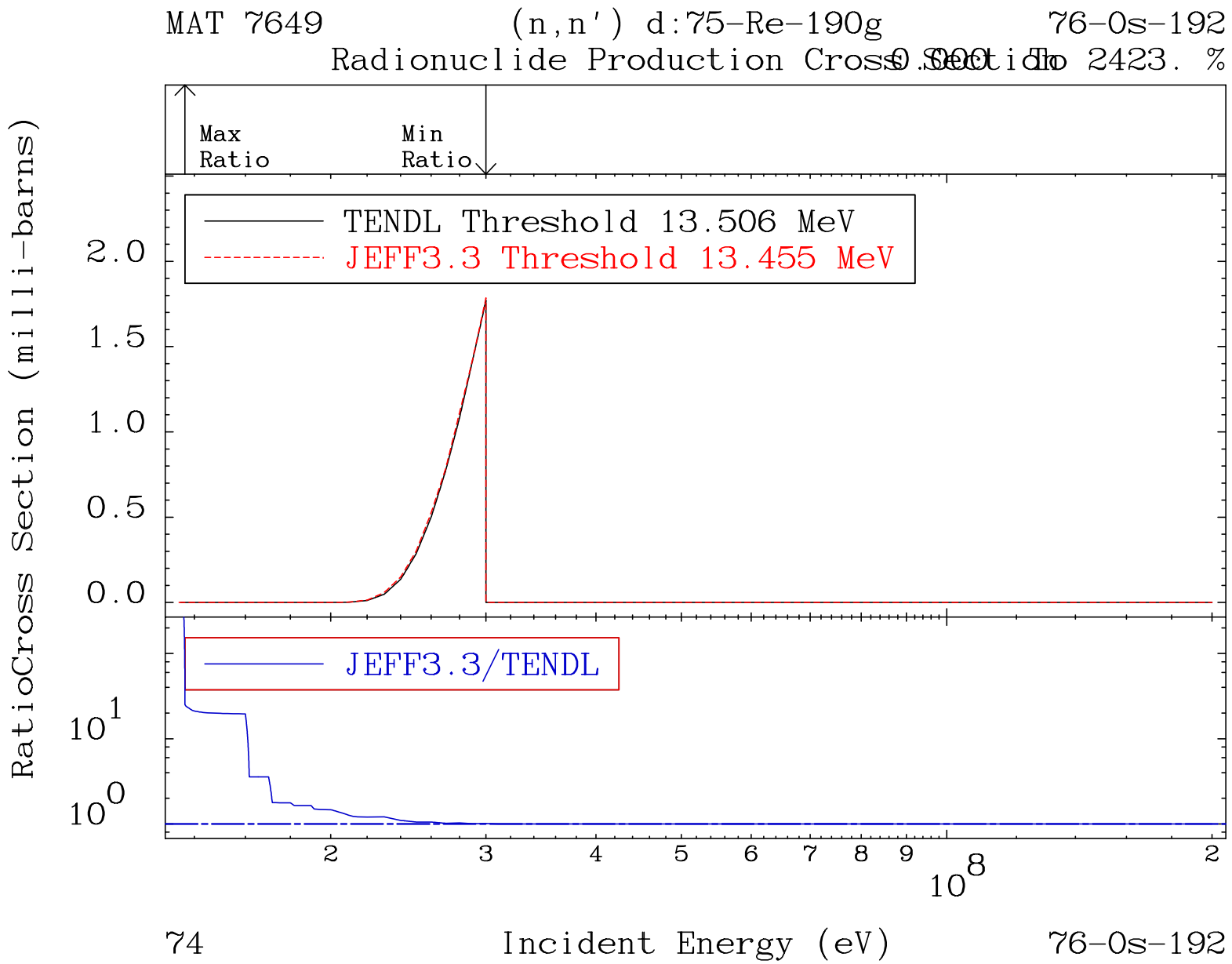

MAT 7649
(n,t):75-Re-190m3
76-0s-192
Radionuclide Production Cross Section
190.0 To 9999. %
Max
Ratio
TENDL Threshold 7.4206 MeV
JENDL5.0 Threshold 7.4416 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
400
0
8
10^7
2
3
4
5
6
7
8
10^8
2
69
Incident Energy (eV)
76-0s-192

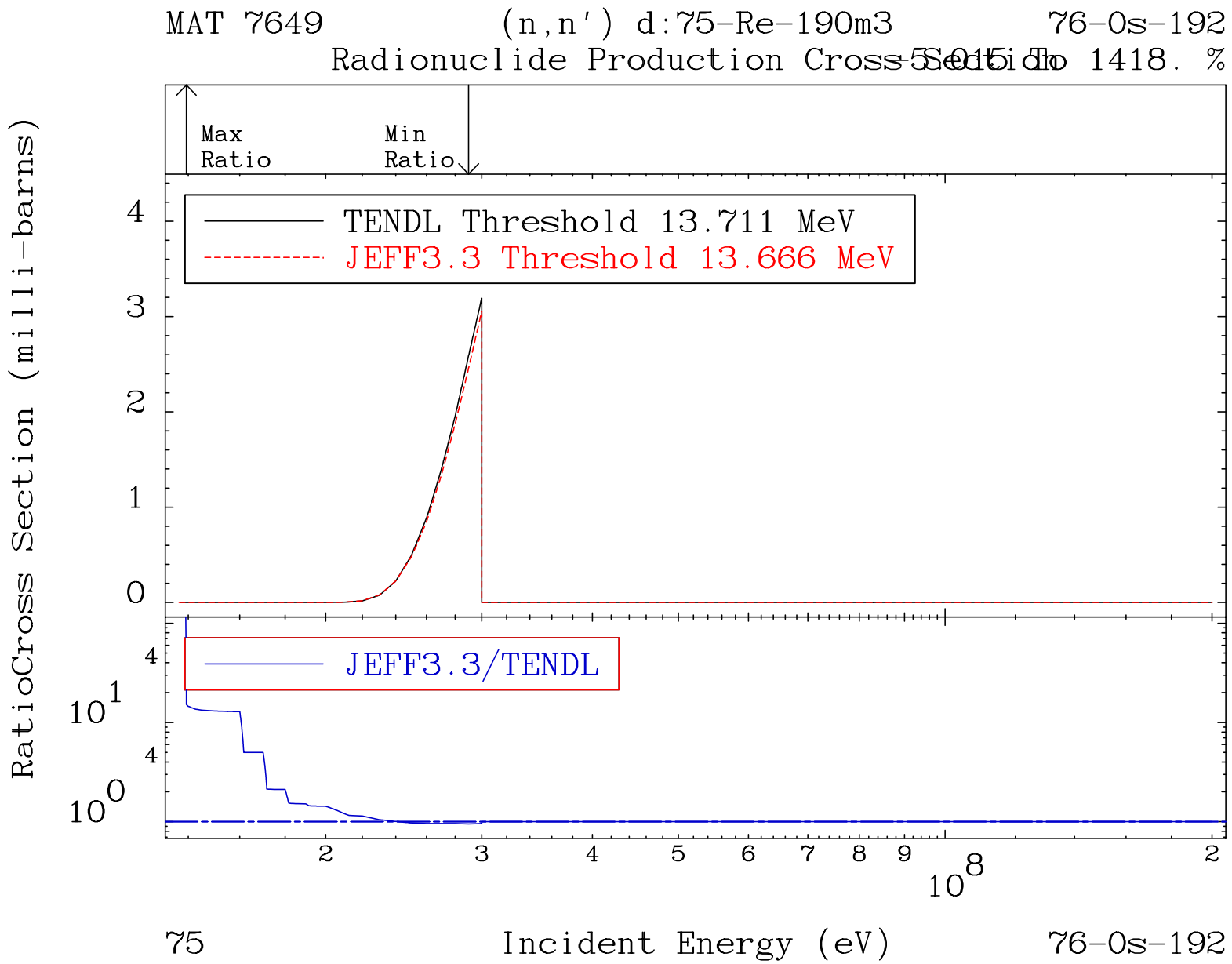

MAT 7649
Dpa inelastic (mt51-91)
76-0s-192
Cross Section -14.49 To 18.97 %
Max Ratio
Min Ratio
TENDL Threshold 250.00 keV
JEFF3.3 Threshold 250.00 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
76-0s-192

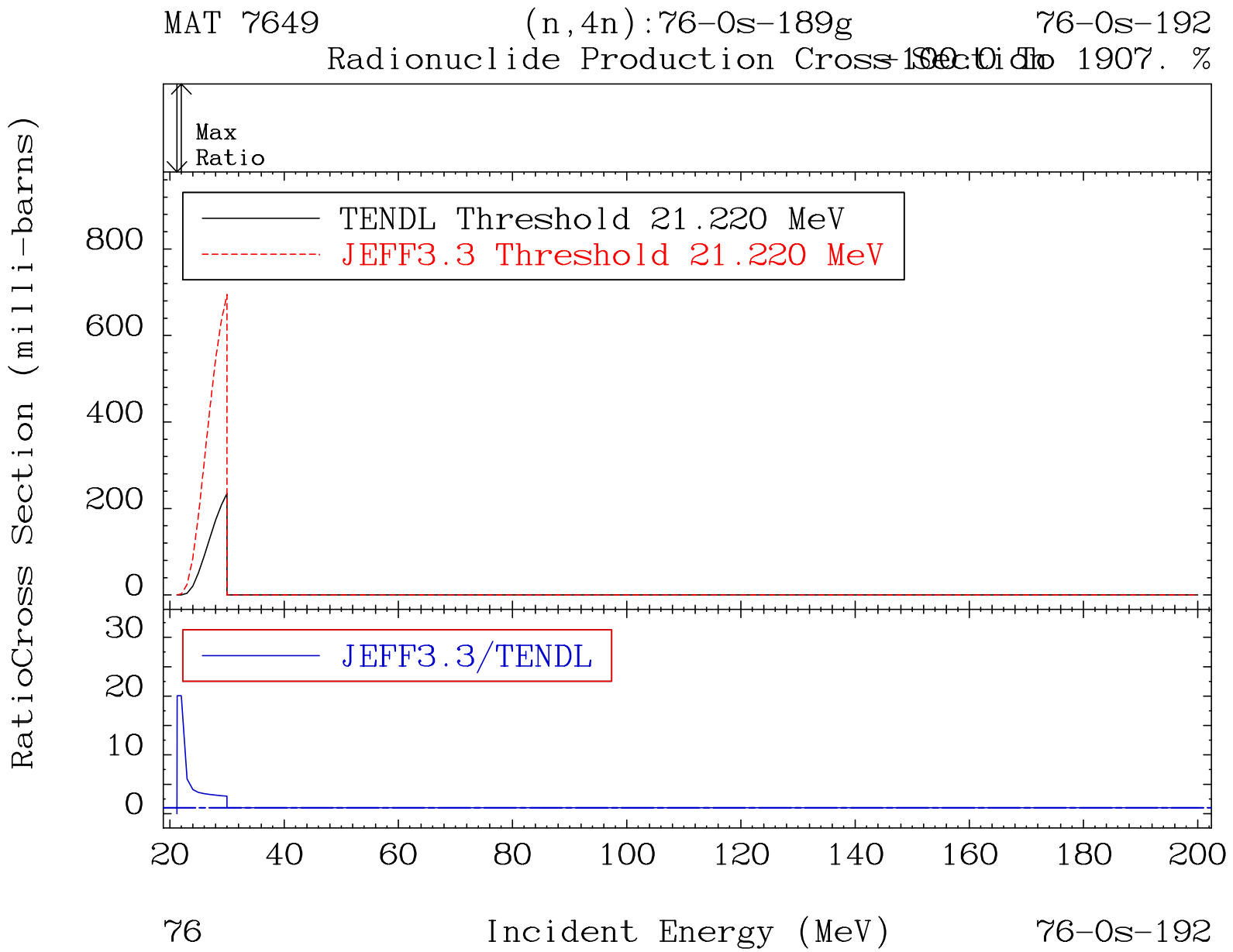

MAT 7649 Dpa disappearance (mt102 -120) 76-0s-192
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
76-0s-192

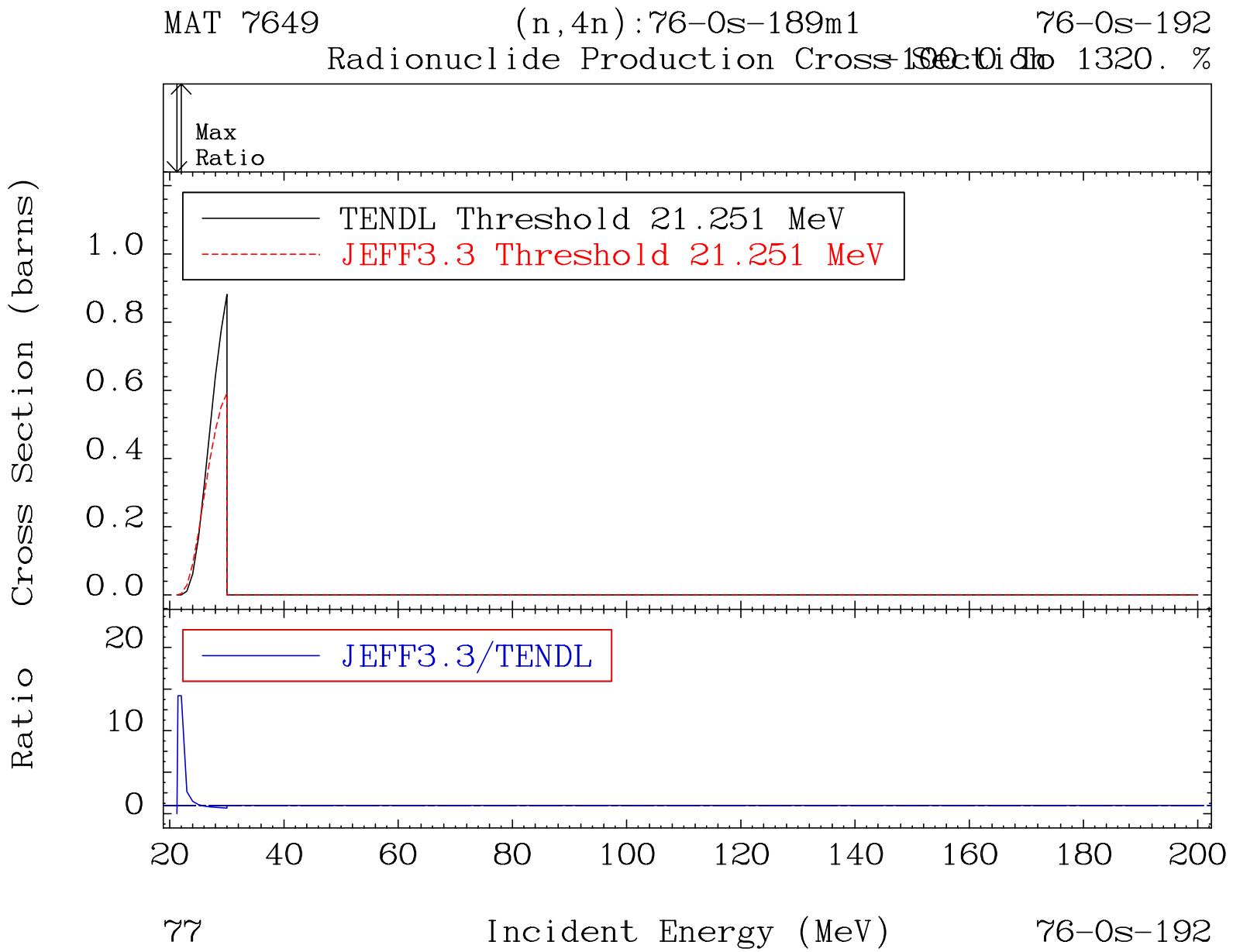

MAT 7649
(n,2n):76-Os-191g
76-Os-192
Radionuclide Production Cross Section To 142.5 %
Max
Ratio
TENDL Threshold 7.5981 MeV
JEFF3.3 Threshold 7.5981 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
2
0
8
10^7
2
3
4
5
6
7
8
10^8
2
72
Incident Energy (eV)
76-Os-192

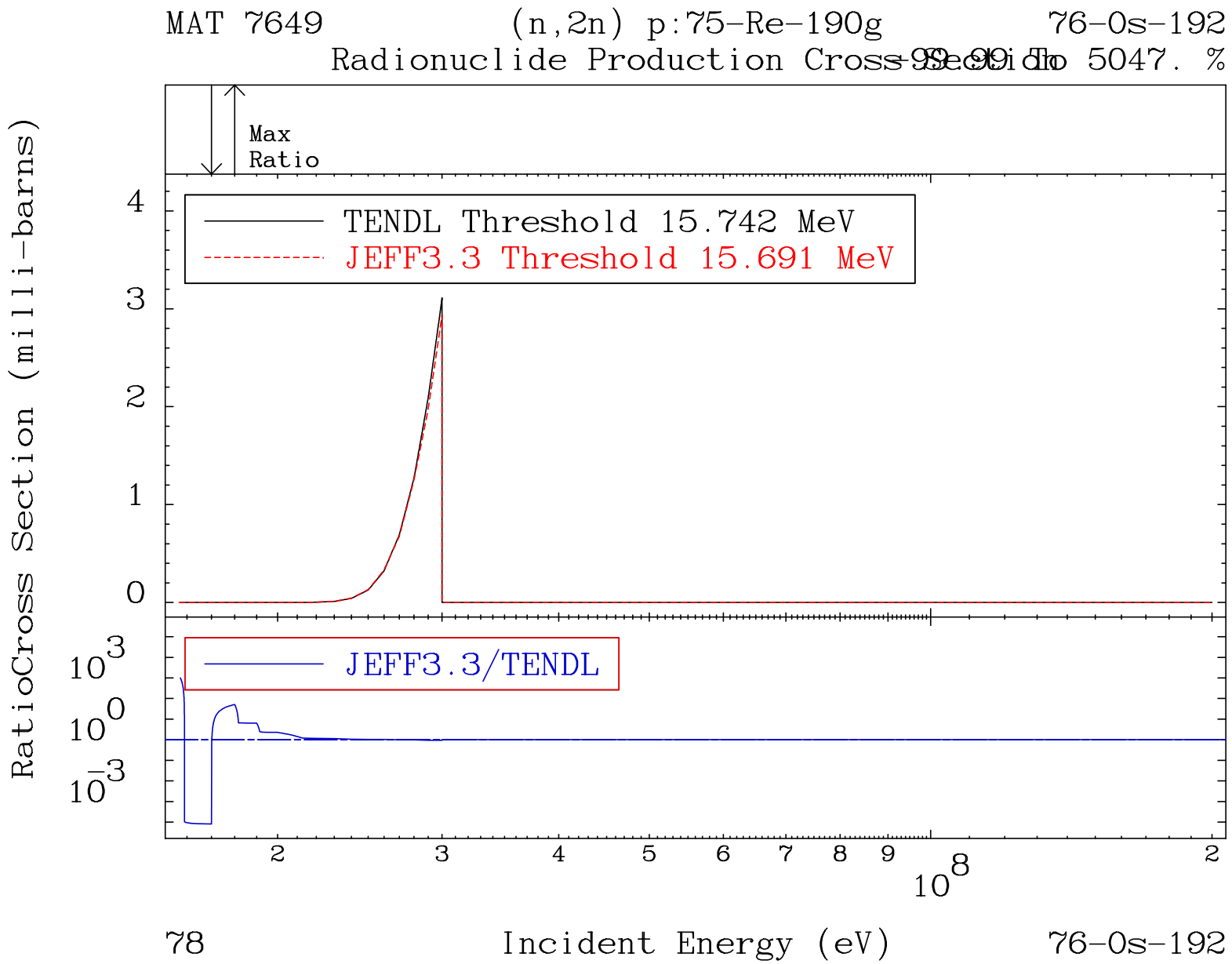

MAT 7649
(n,2n):76-Os-191m1
76-Os-192
Radionuclide Production Cross Section To 65.18 %
Max
Ratio
TENDL Threshold 7.6729 MeV
JEFF3.3 Threshold 7.6729 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
73
Incident Energy (eV)
76-Os-192

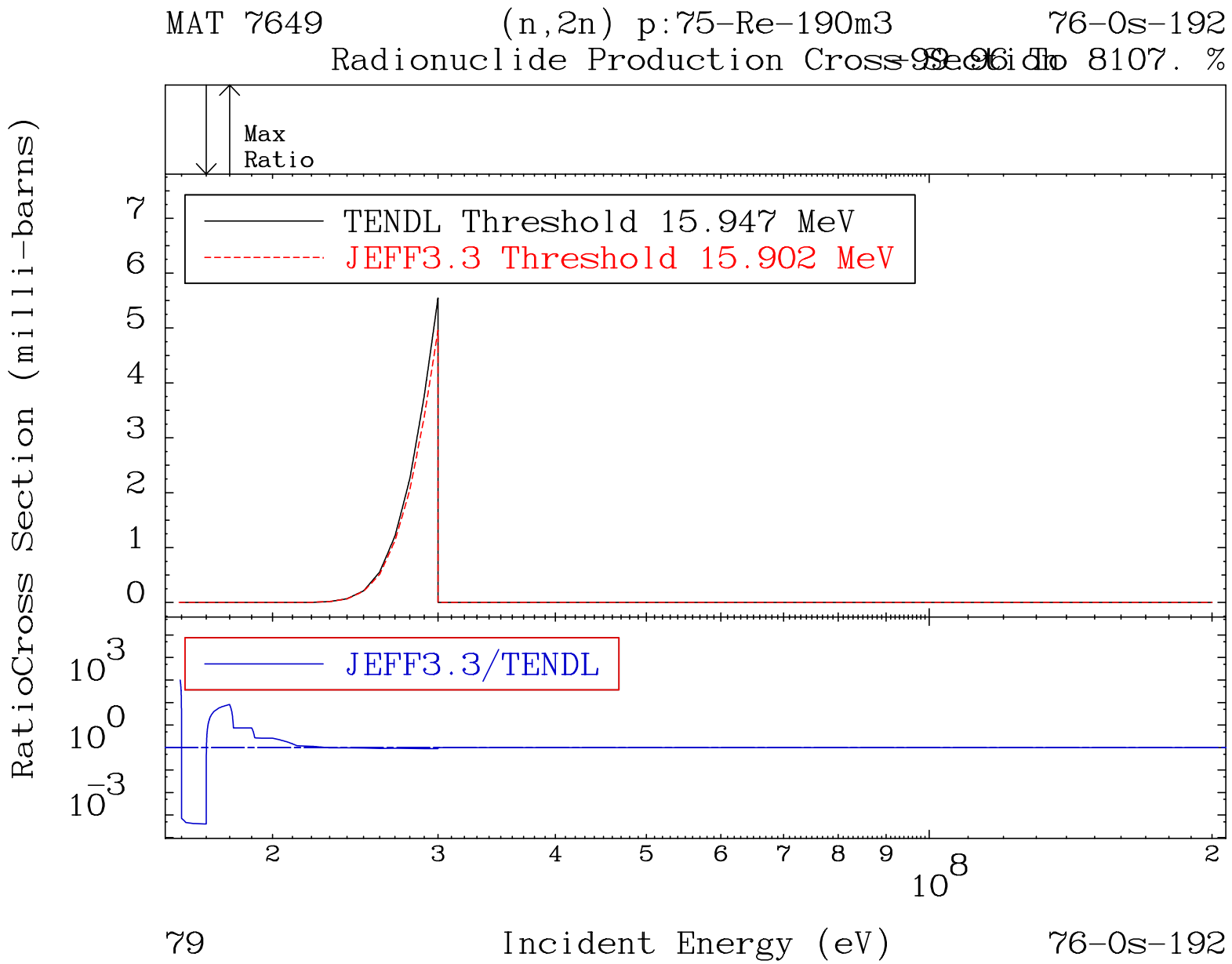

MAT 7649
(n,n') d:75-Re-190g
76-0s-192
Radionuclide Production Cross Section
0.000 To 2423. %
Max Ratio
Min Ratio
TENDL Threshold 13.506 MeV
JEFF3.3 Threshold 13.455 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
76-0s-192

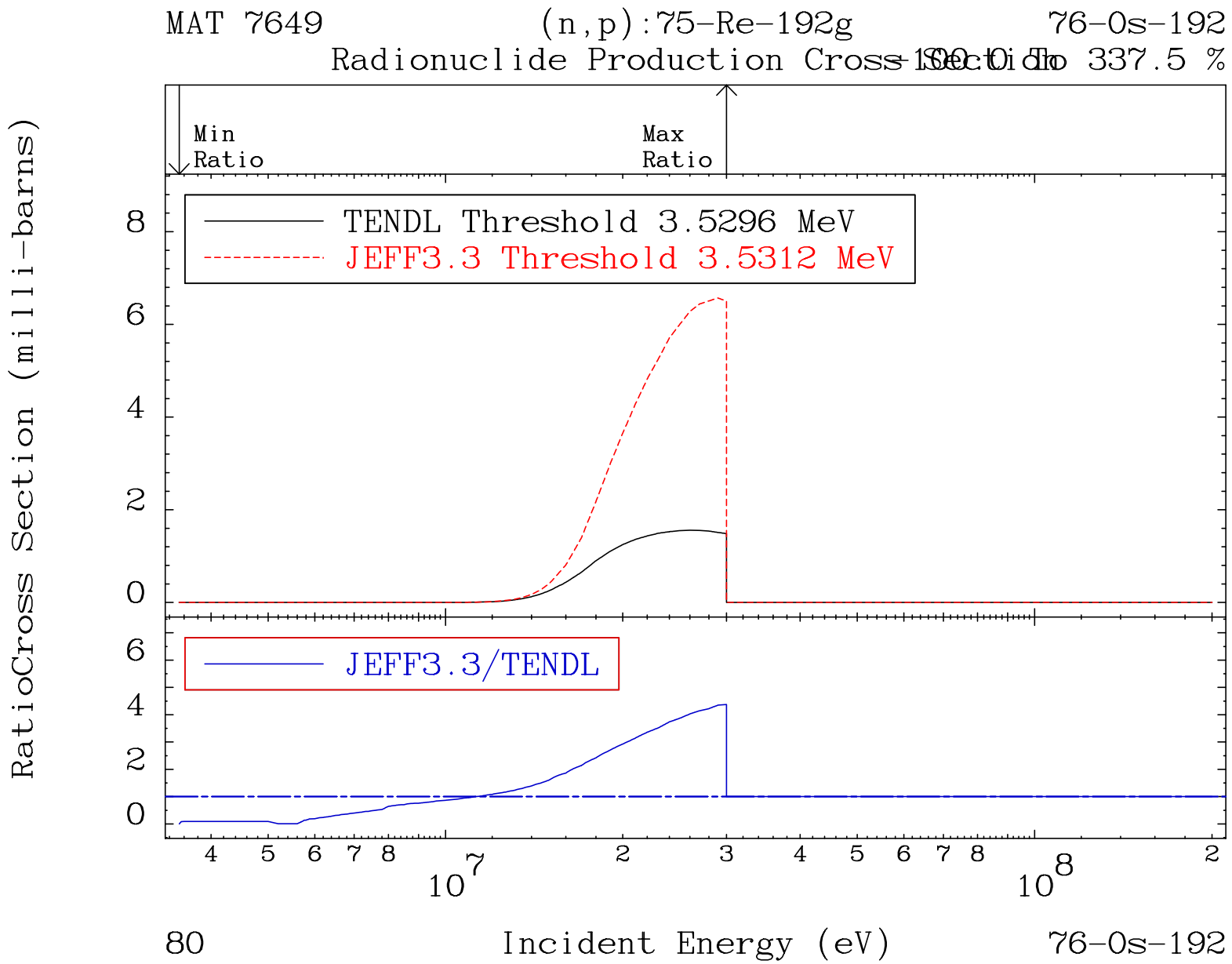

MAT 7649 (n,n') d:75-Re-190m3 76-Os-192
Radionuclide Production Cross Section To 1418. %
Max Ratio
Min Ratio
TENDL Threshold 13.711 MeV
JEFF3.3 Threshold 13.666 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
76-Os-192

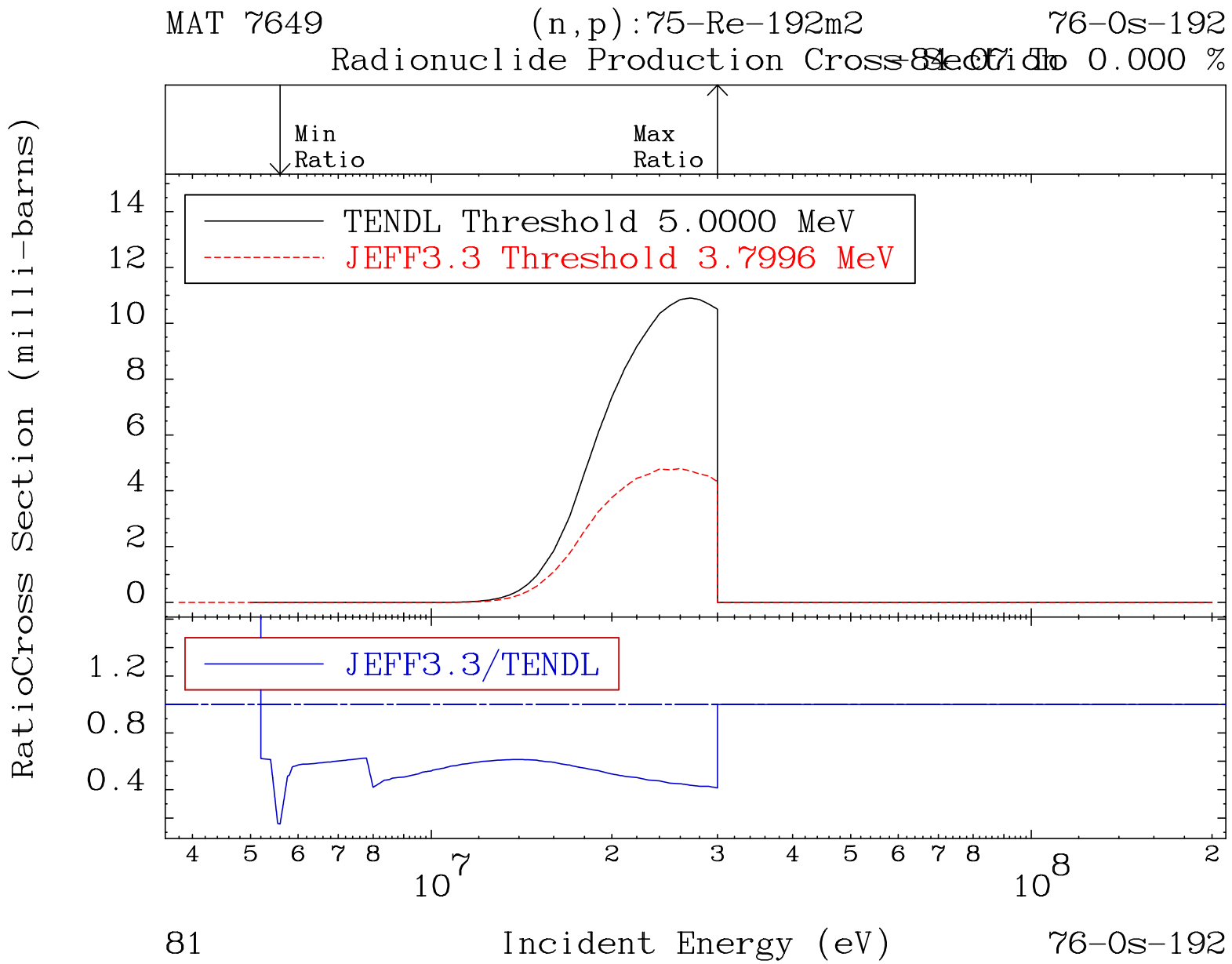

MAT 7649
(n,4n):76-Os-189g
76-Os-192
Radionuclide Production Cross Section To 1907. %
Max
Ratio
TENDL Threshold 21.220 MeV
JEFF3.3 Threshold 21.220 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
30
20
10
0
20
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
76-Os-192

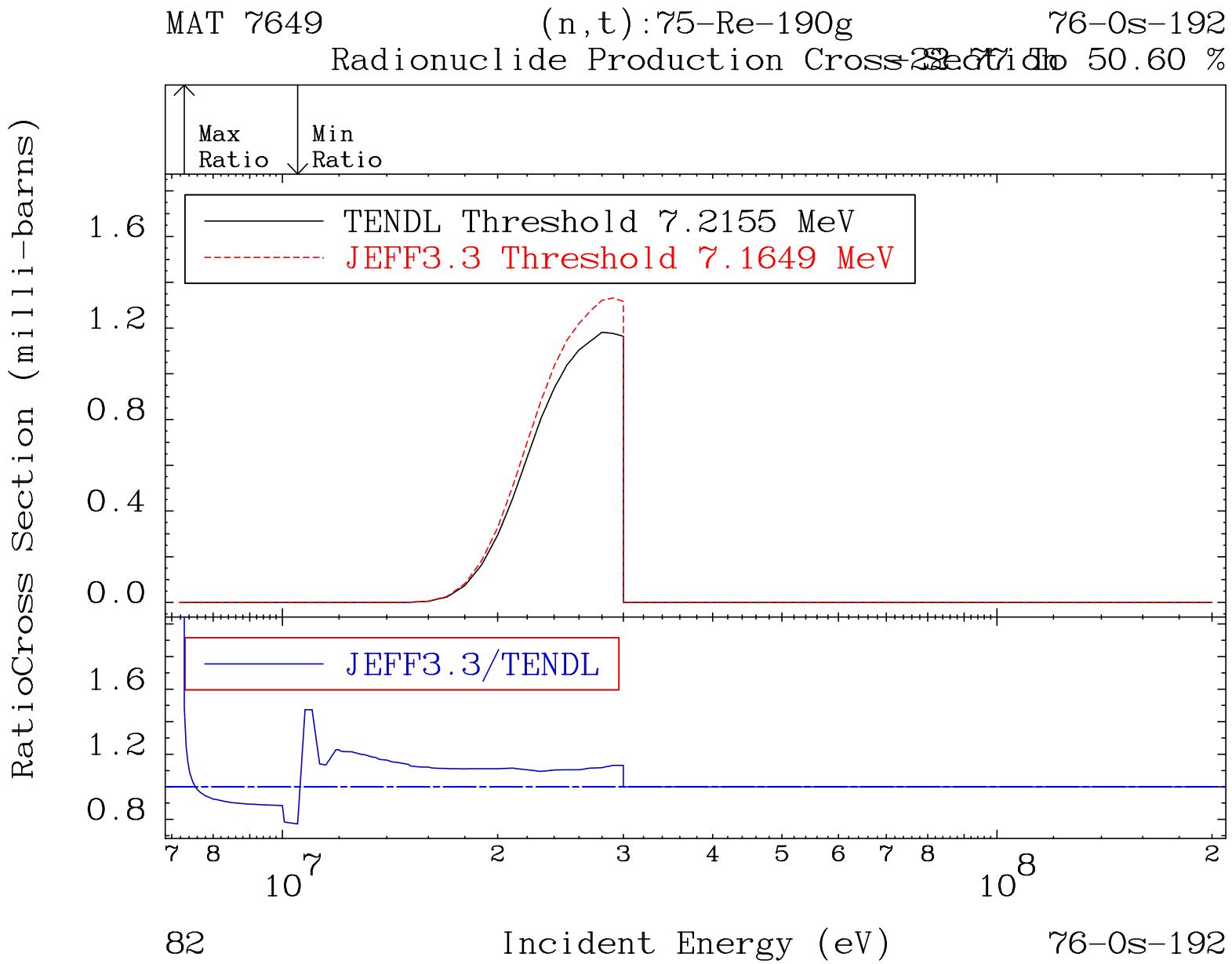

MAT 7649
(n,4n):76-Os-189m1
76-Os-192
Radionuclide Production Cross Section To 1320. %
Max
Ratio
TENDL Threshold 21.251 MeV
JEFF3.3 Threshold 21.251 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
20
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
76-Os-192

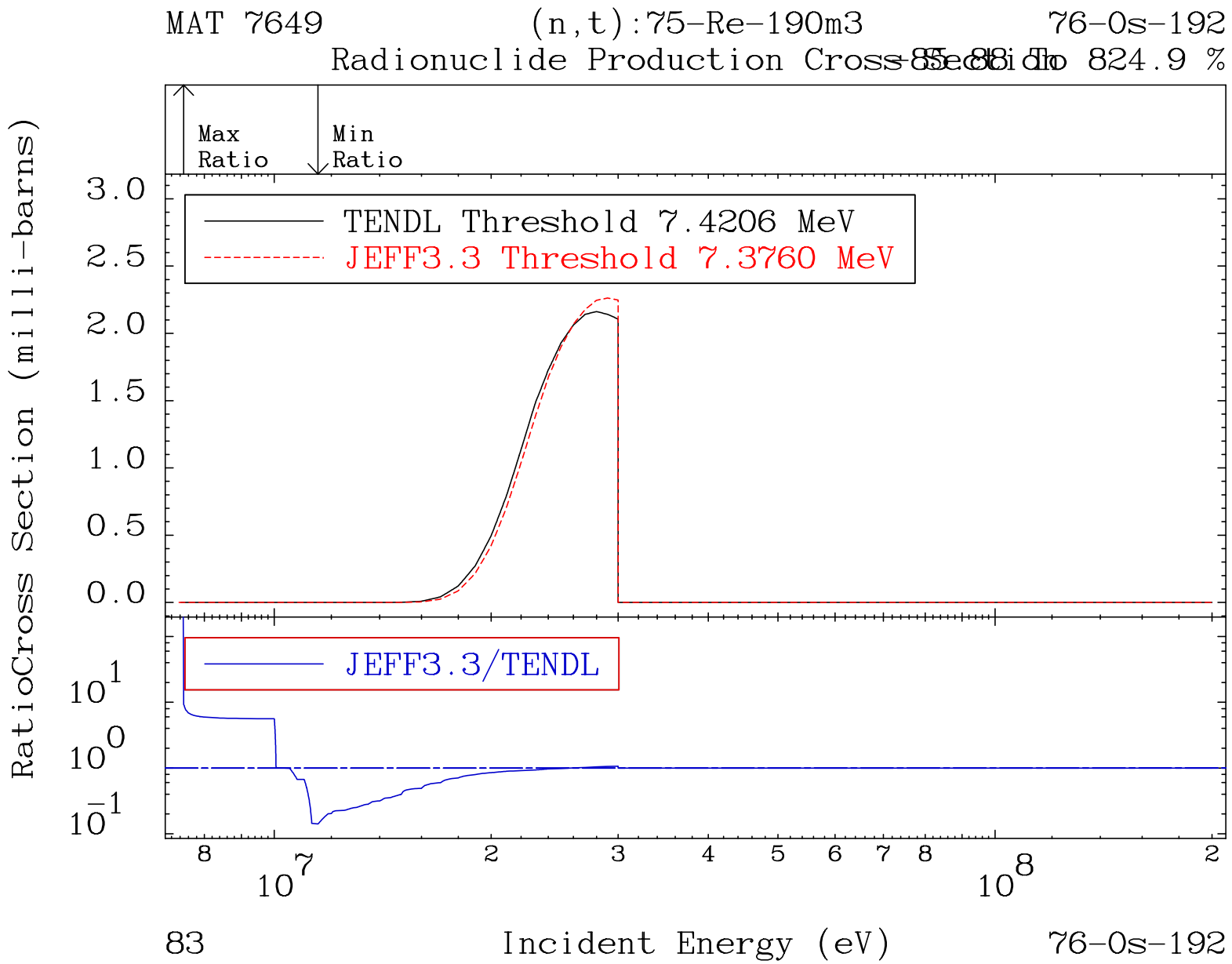

MAT 7649
(n,2n) p:75-Re-190g
76-0s-192
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.742 MeV
JEFF3.3 Threshold 15.691 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78
76-0s-192


MAT 7649
(n,2n) p:75-Re-190m3
76-0s-192
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.947 MeV
JEFF3.3 Threshold 15.902 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
76-0s-192


MAT 7649
(n,p):75-Re-192g
76-0s-192
Radionuclide Production Cross Section To 337.5 %
Min Ratio
Max Ratio
TENDL Threshold 3.5296 MeV
JEFF3.3 Threshold 3.5312 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
76-0s-192


MAT 7649
(n,p):75-Re-192m2
76-Os-192
Radionuclide Production Cross Section To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.0000 MeV
JEFF3.3 Threshold 3.7996 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.2
0.8
0.4
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
81
Incident Energy (eV)
76-Os-192


MAT 7649
(n,t):75-Re-190g
76-0s-192
Radionuclide Production Cross Section To 50.60 %
Max Ratio
Min Ratio
TENDL Threshold 7.2155 MeV
JEFF3.3 Threshold 7.1649 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
82
Incident Energy (eV)
76-0s-192


MAT 7649
(n,t):75-Re-190m3
76-Os-192
Radionuclide Production Cross Section To 824.9 %
Max Ratio
Min Ratio
TENDL Threshold 7.4206 MeV
JEFF3.3 Threshold 7.3760 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^1
10^0
10^-1
8
10^7
2
3
4
5
6
7
8
10^8
2
83
Incident Energy (eV)
76-Os-192