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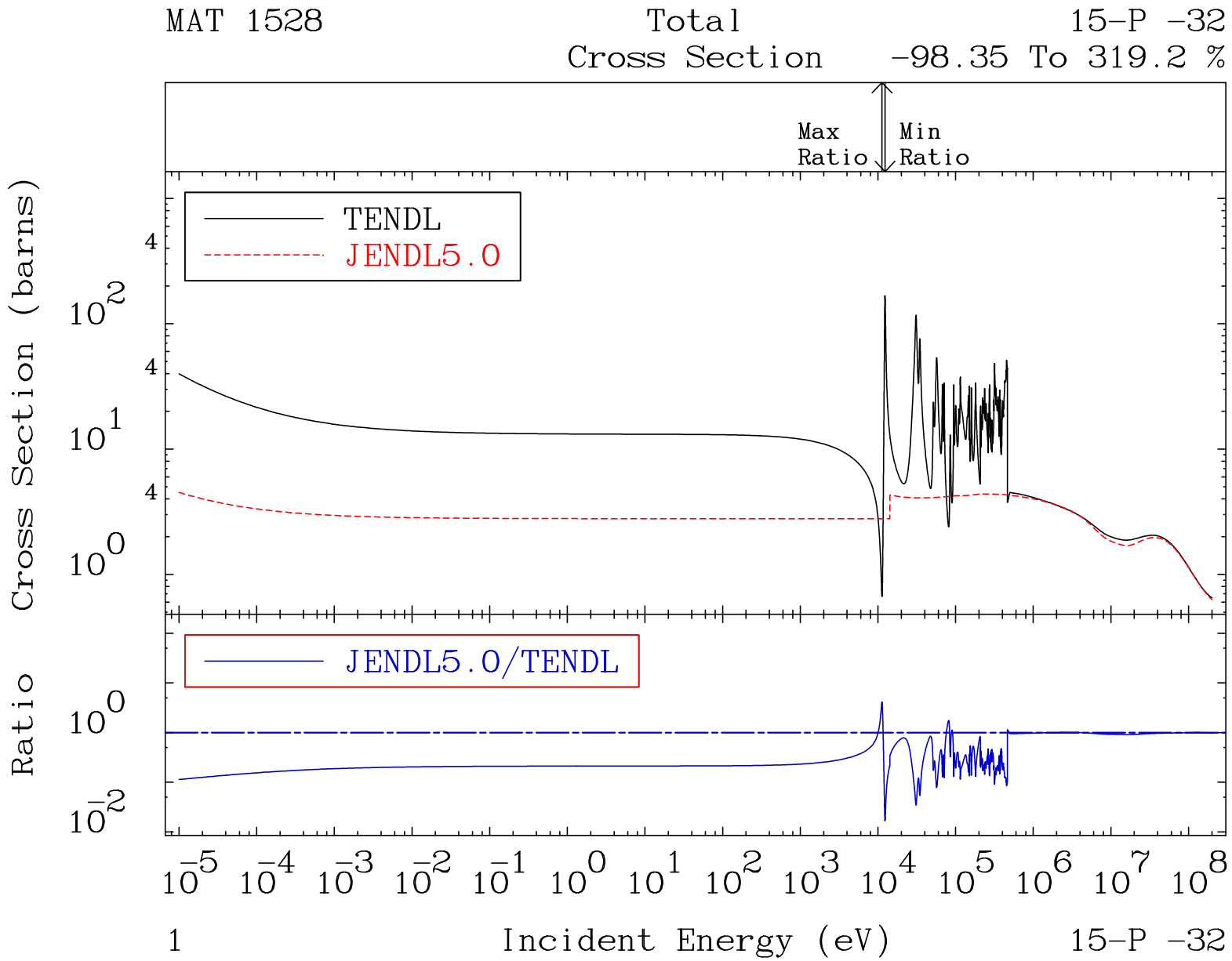
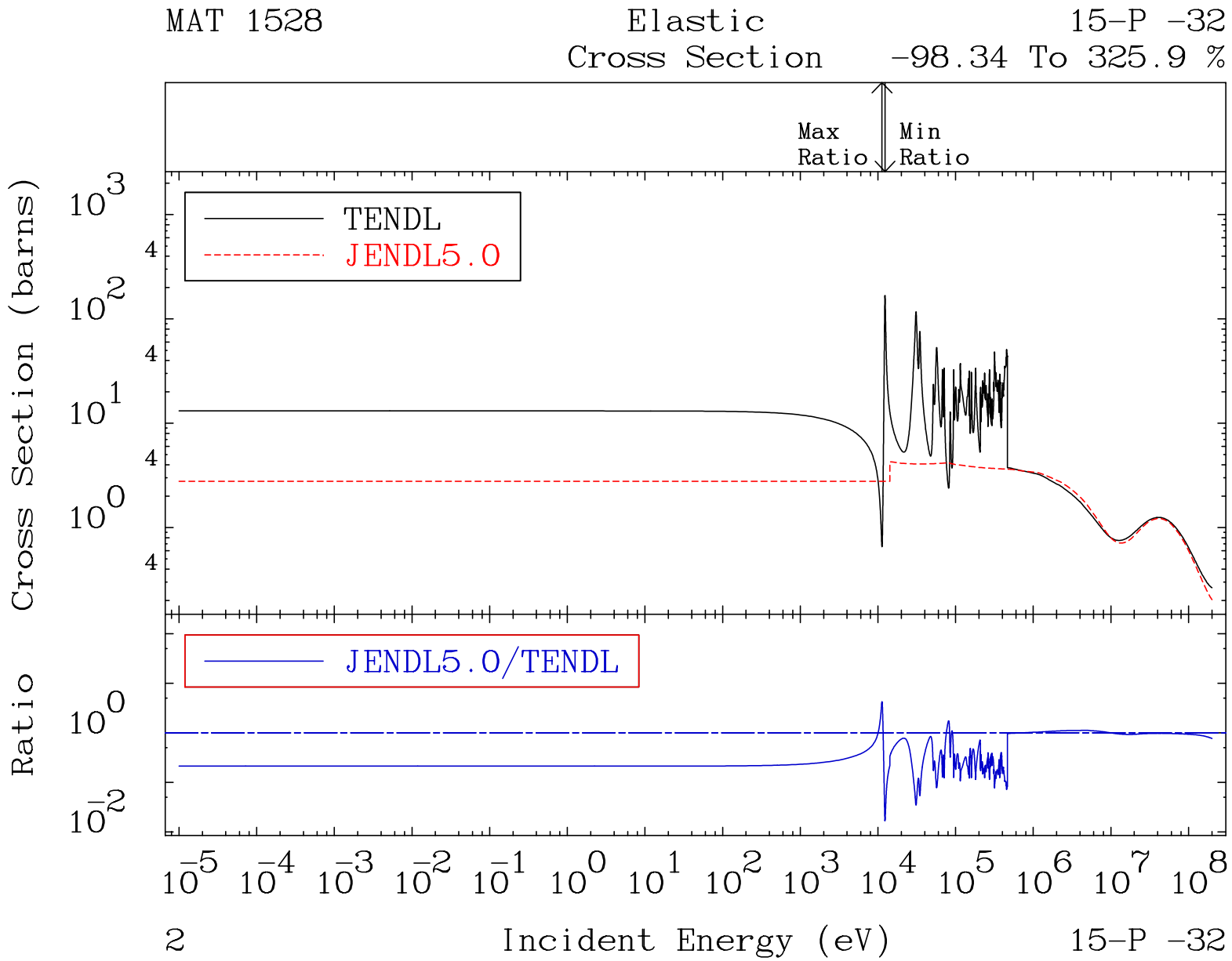
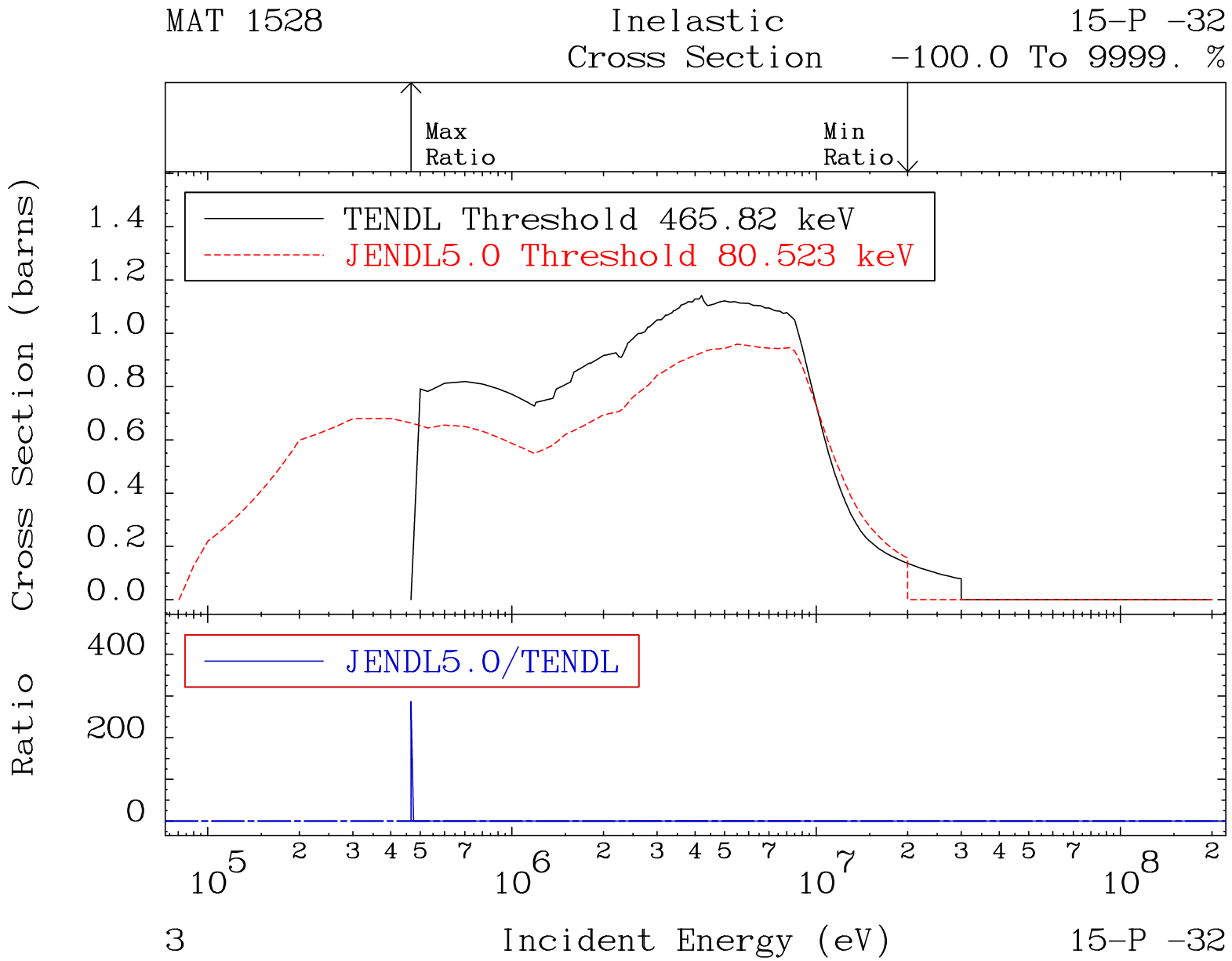
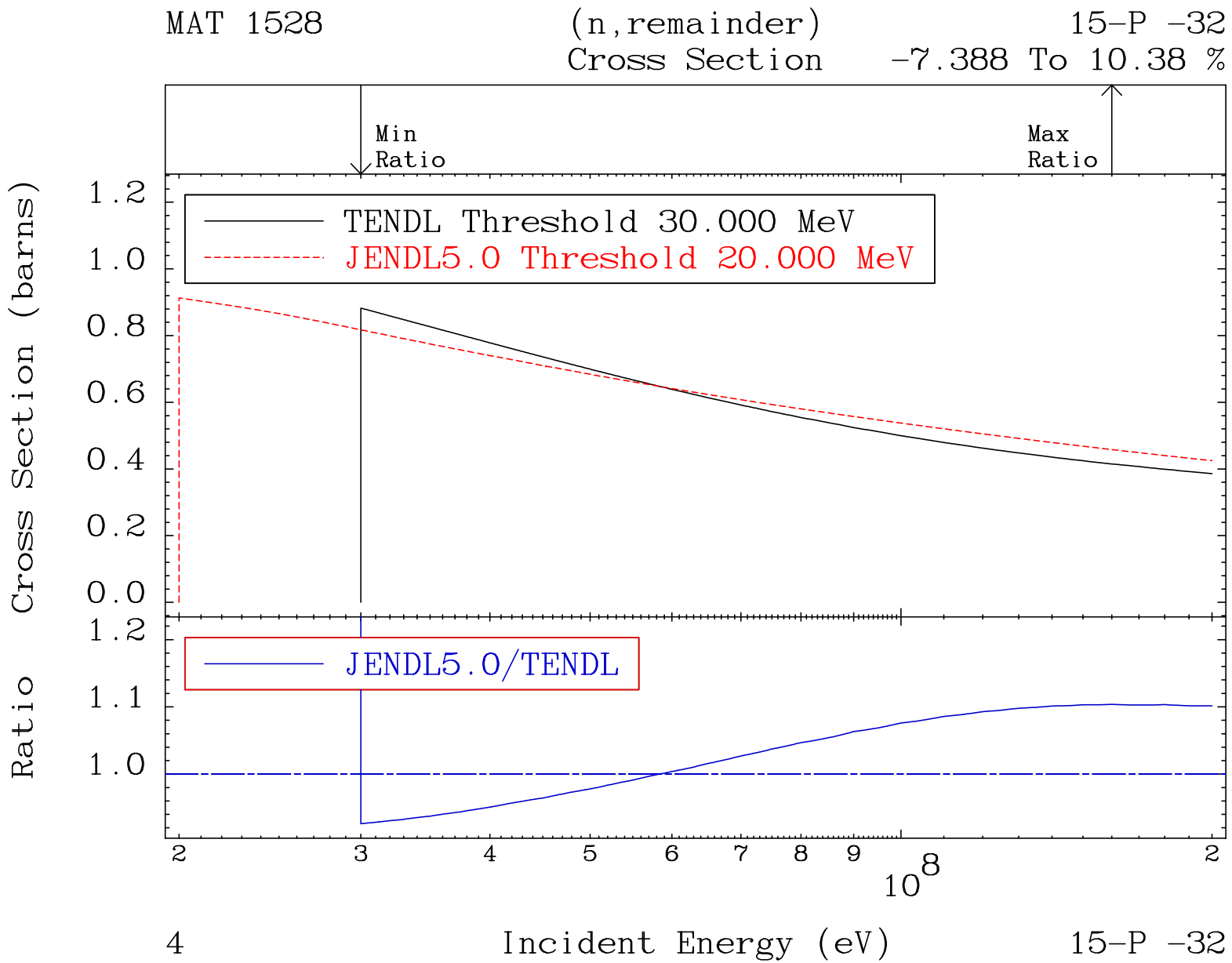
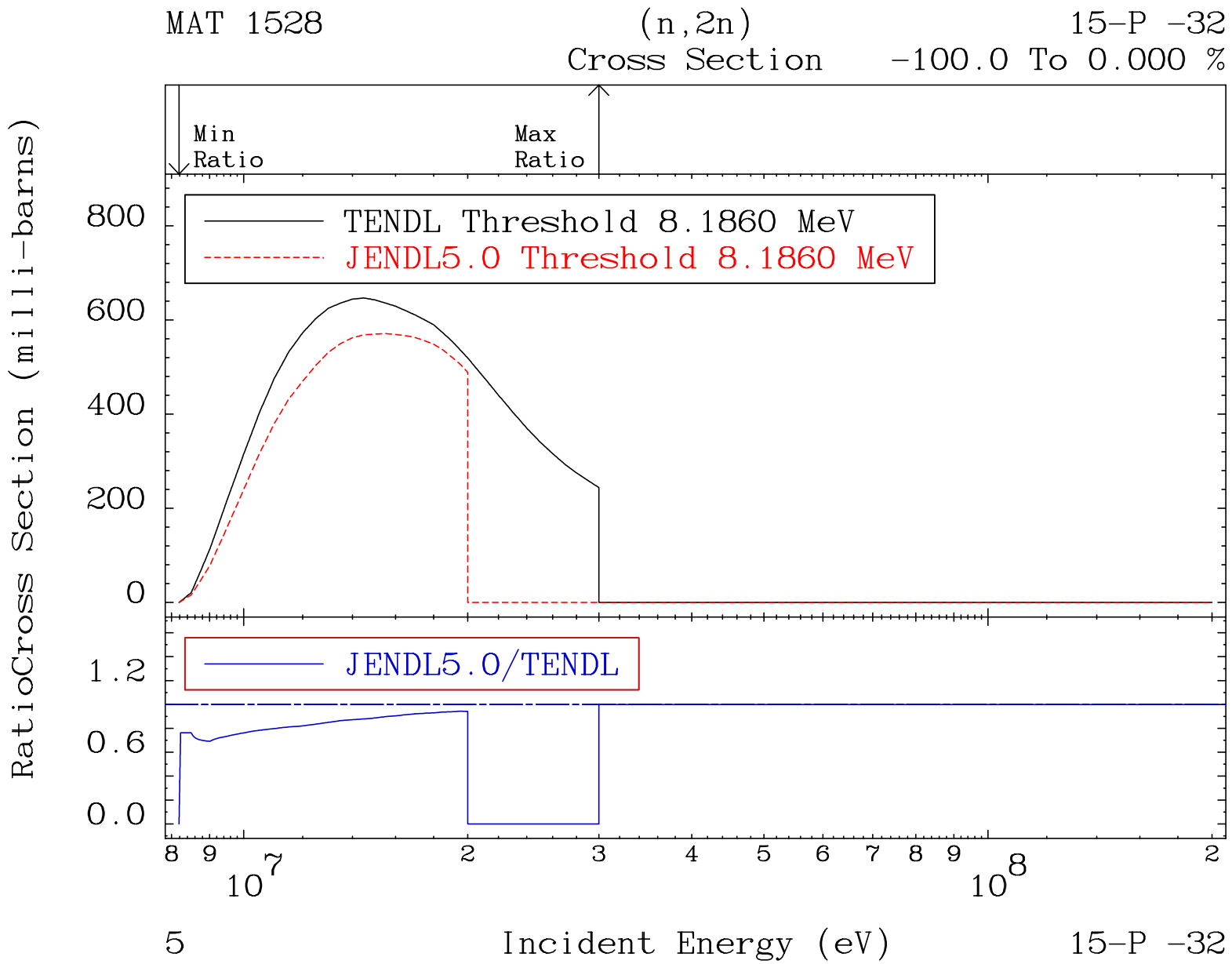
Press Mouse Button to Start

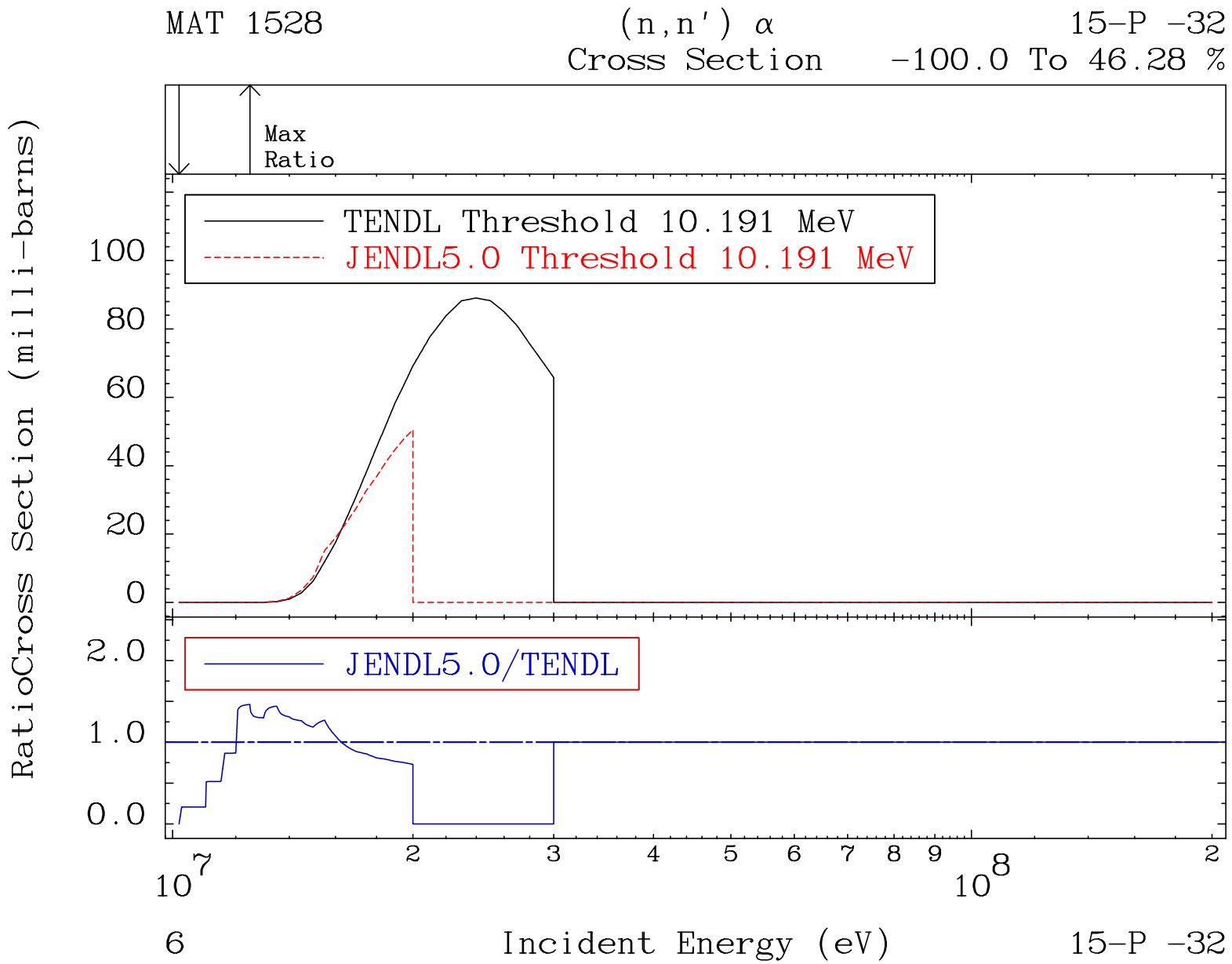

MAT 1528
Total
Cross Section
15-P -32
-98.35 To 319.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
15-P -32
1

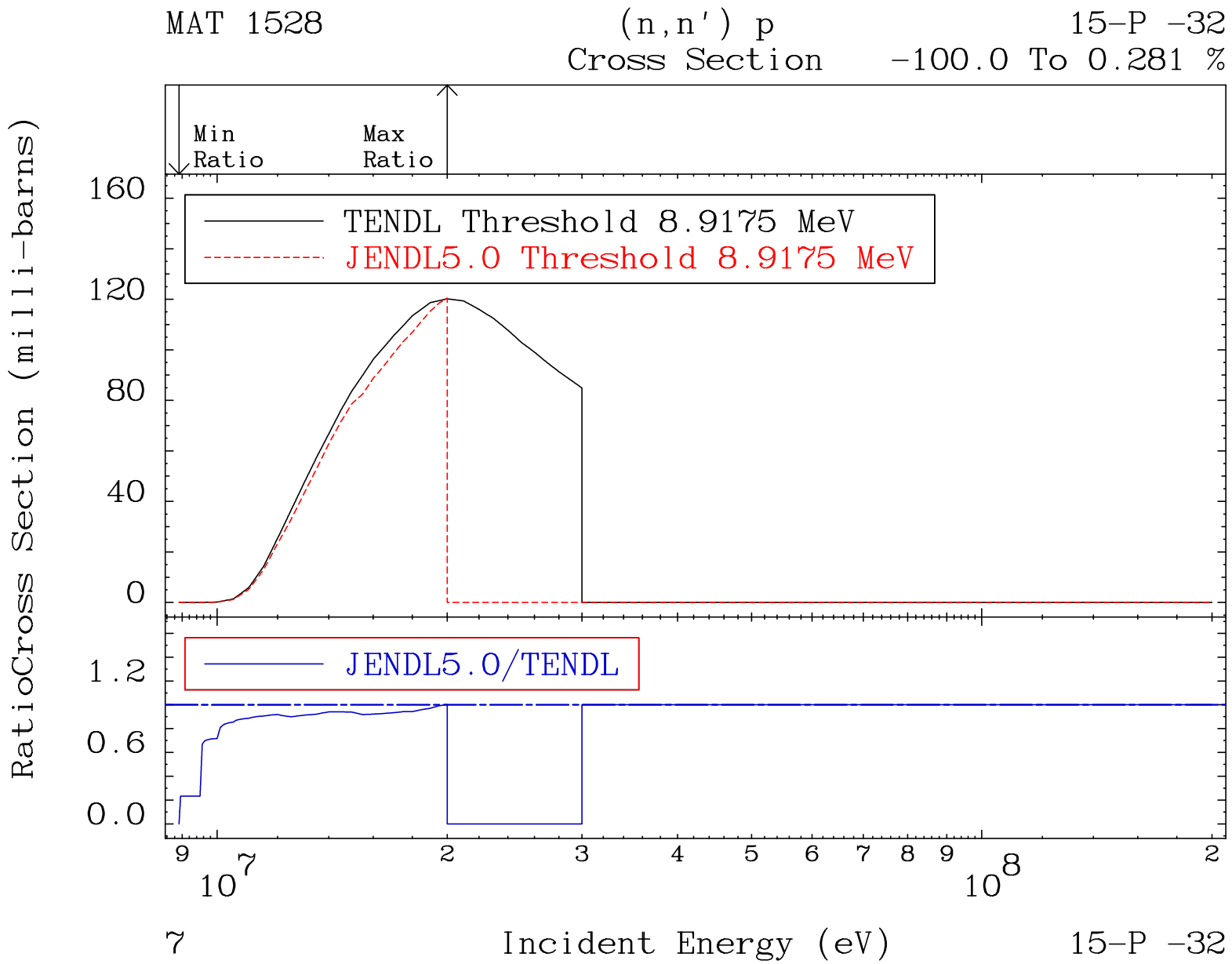

MAT 1528
Elastic
Cross Section
15-P -32
-98.34 To 325.9 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
15-P -32

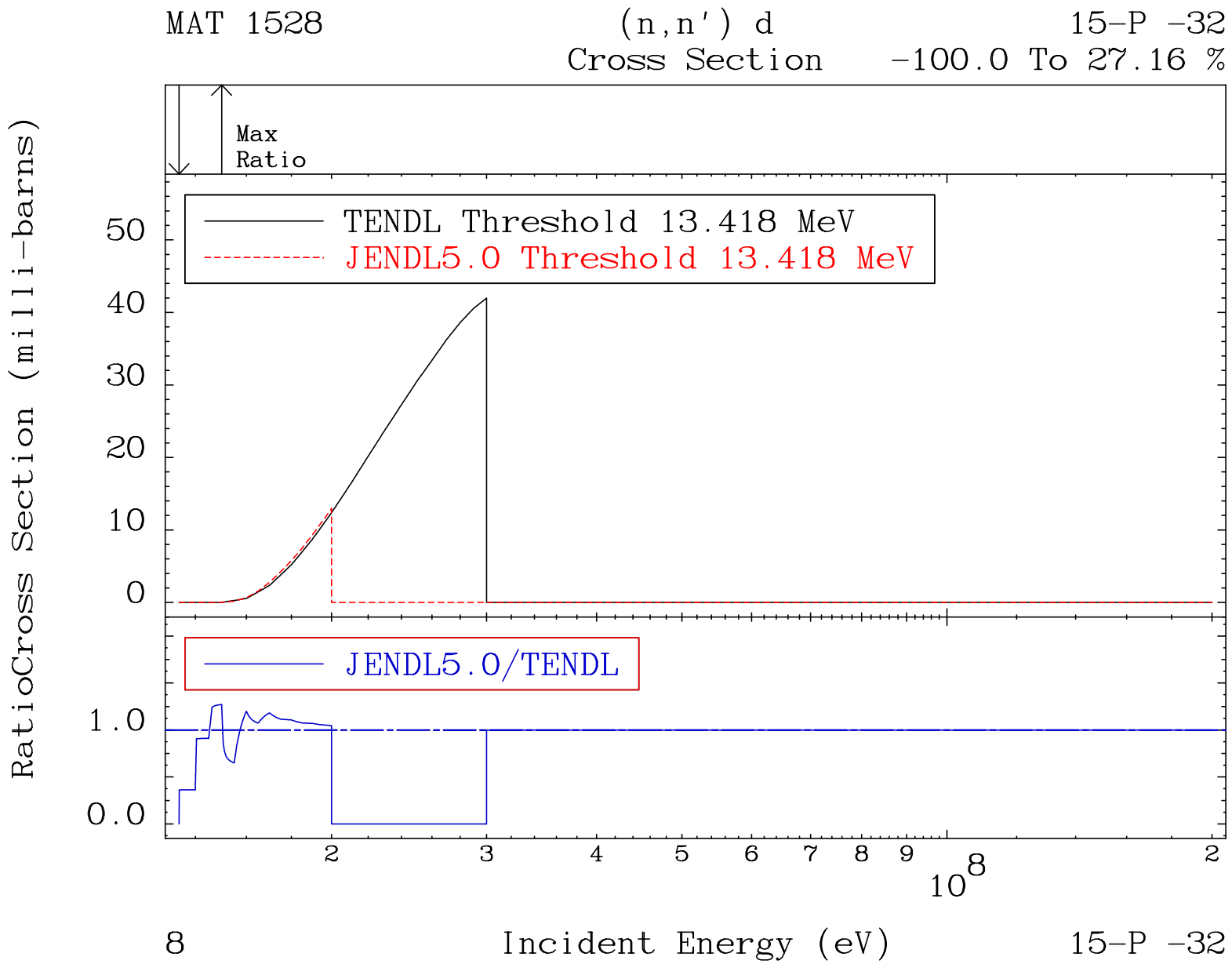

MAT 1528
Inelastic
Cross Section
15-P -32
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 465.82 keV
JENDL5.0 Threshold 80.523 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
15-P -32

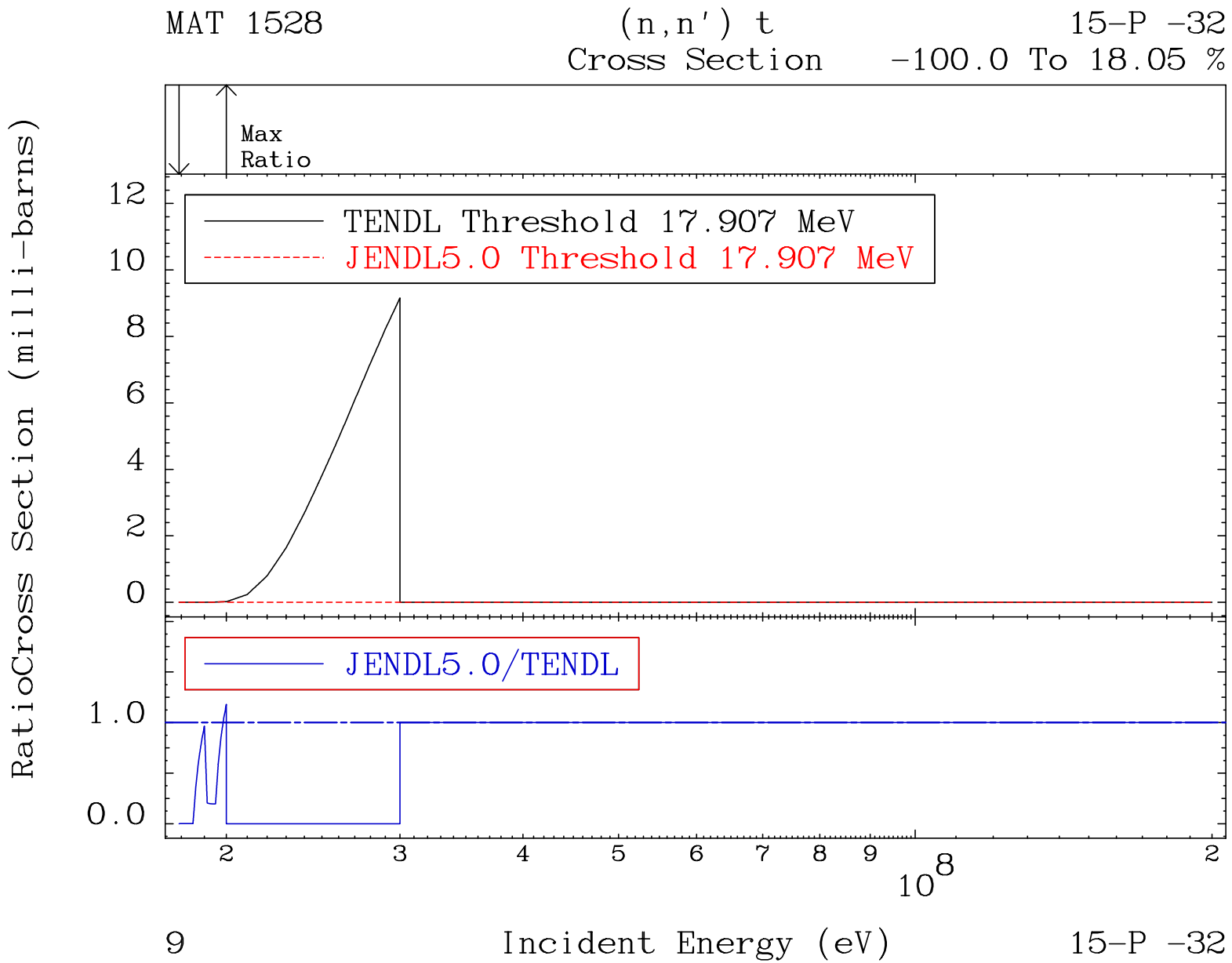

MAT 1528
(n,remainder)
Cross Section
15-P -32
-7.388 To 10.38 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
4
15-P -32

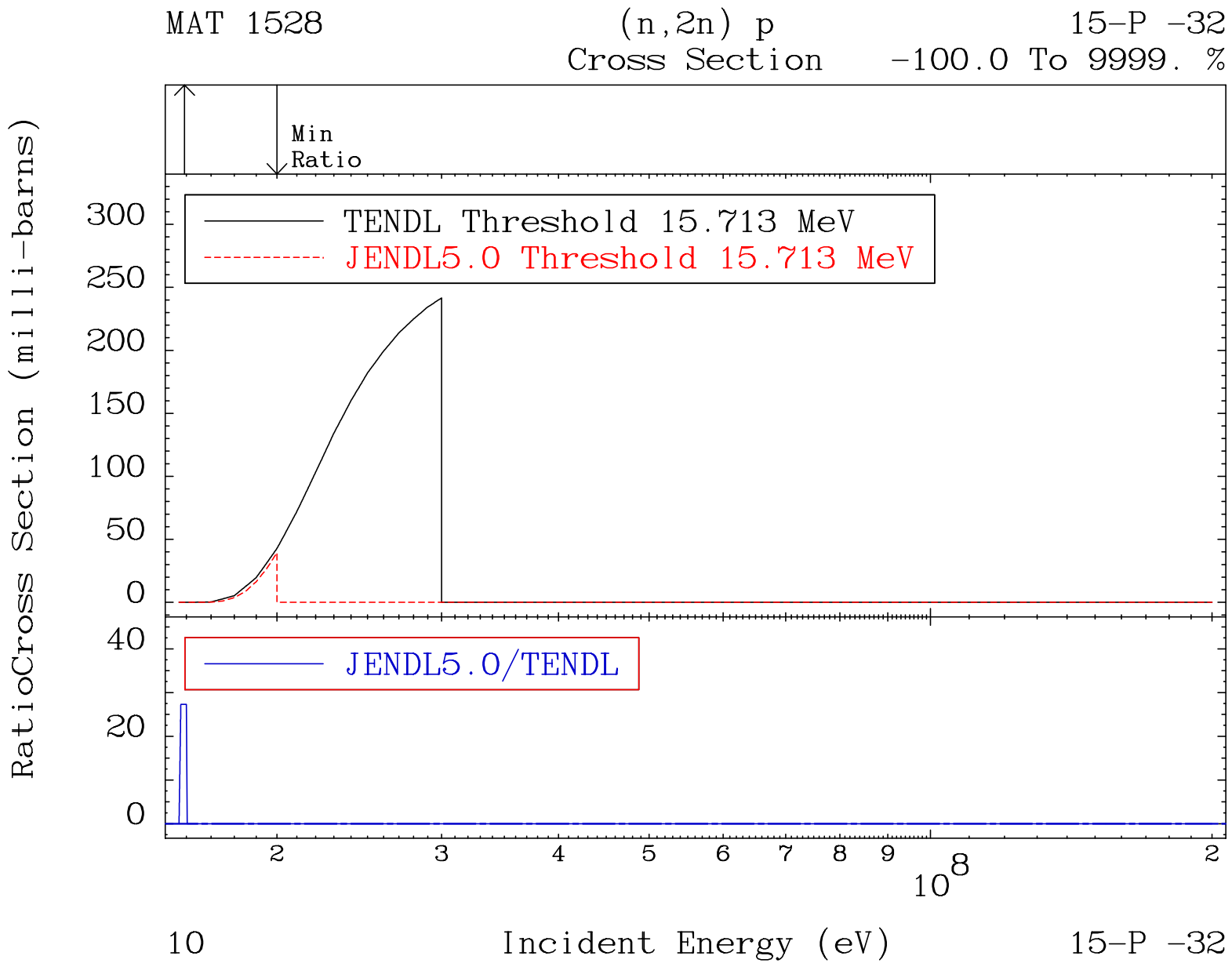

MAT 1528
(n,2n)
Cross Section
15-P -32
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.1860 MeV
JENDL5.0 Threshold 8.1860 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
15-P -32

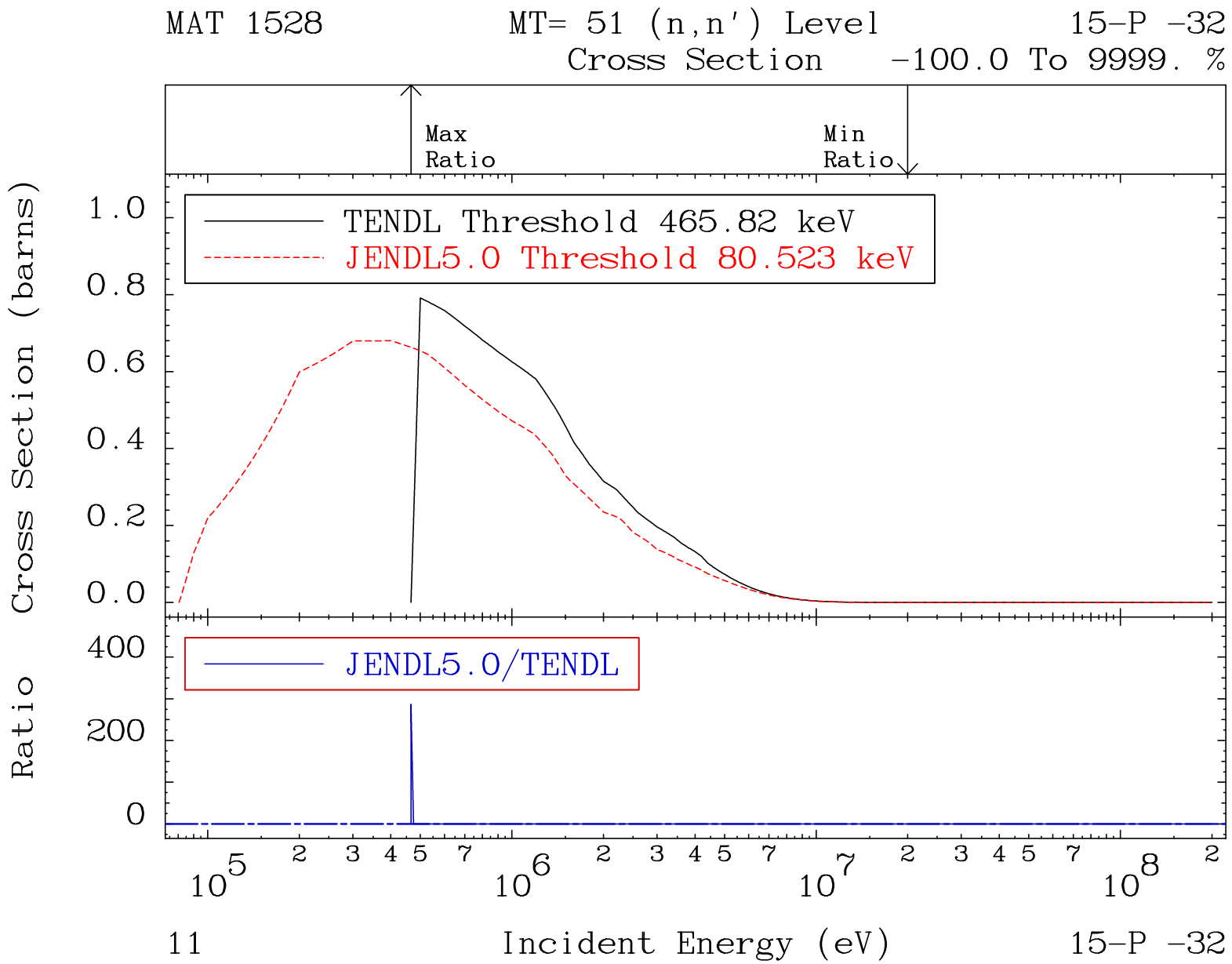

MAT 1528
(n,n') α
Cross Section
15-P -32
-100.0 To 46.28 %
Max
Ratio
TENDL Threshold 10.191 MeV
JENDL5.0 Threshold 10.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
15-P -32

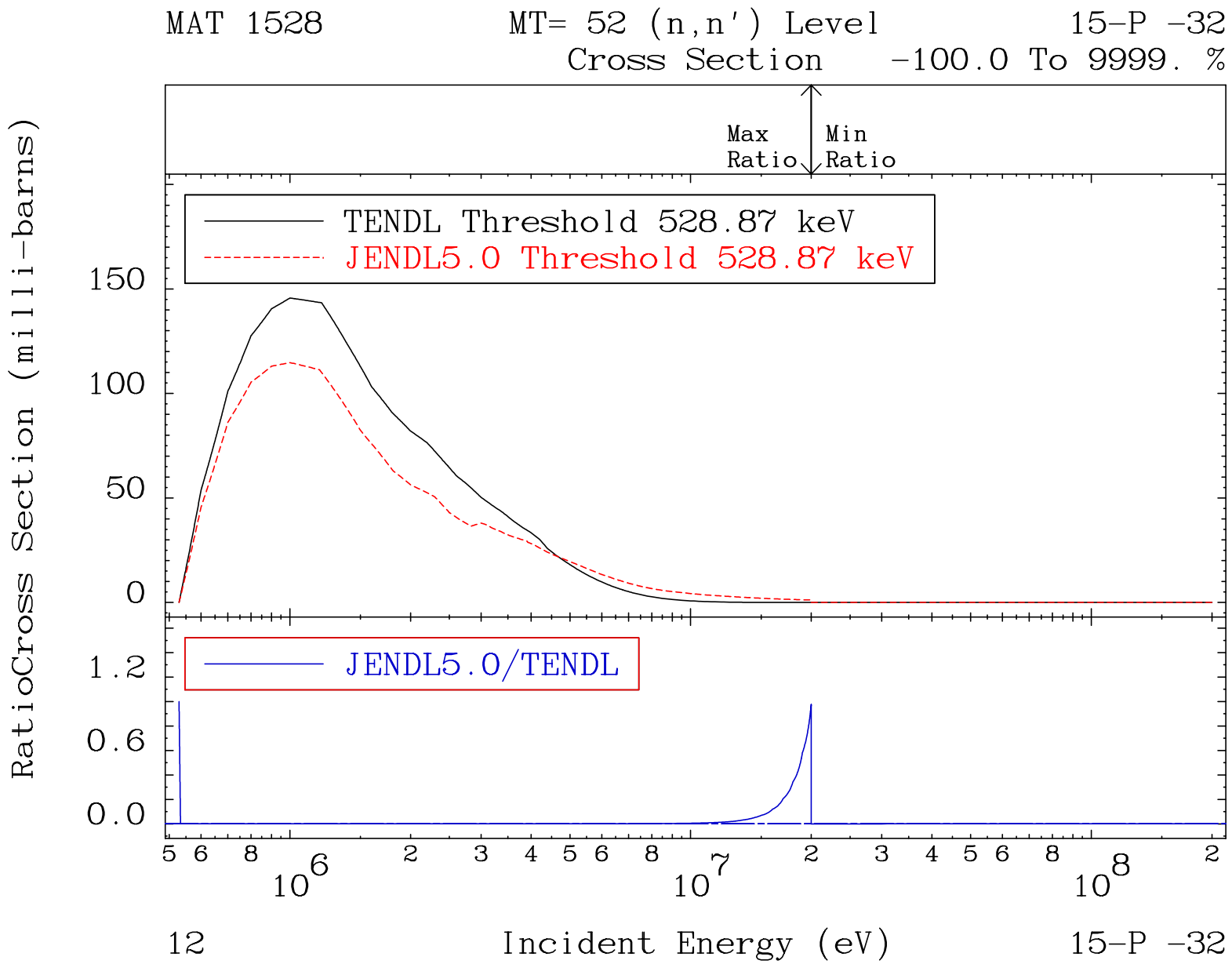

MAT 1528
(n,n') p
Cross Section
15-P -32
-100.0 To 0.281 %
Min Ratio
Max Ratio
TENDL Threshold 8.9175 MeV
JENDL5.0 Threshold 8.9175 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
15-P -32

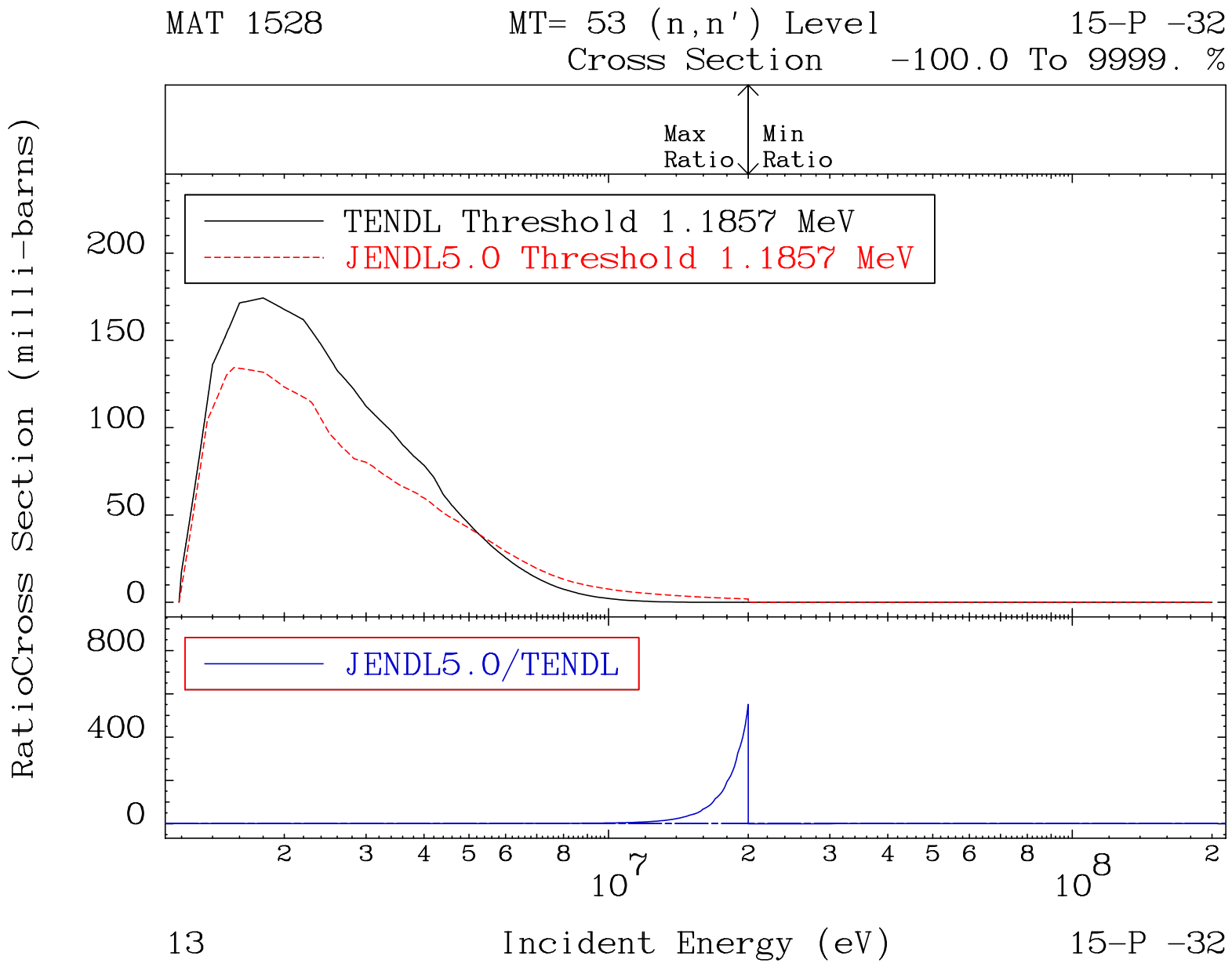

MAT 1528
(n,n') d
Cross Section
15-P -32
-100.0 To 27.16 %
Max
Ratio
TENDL Threshold 13.418 MeV
JENDL5.0 Threshold 13.418 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
15-P -32

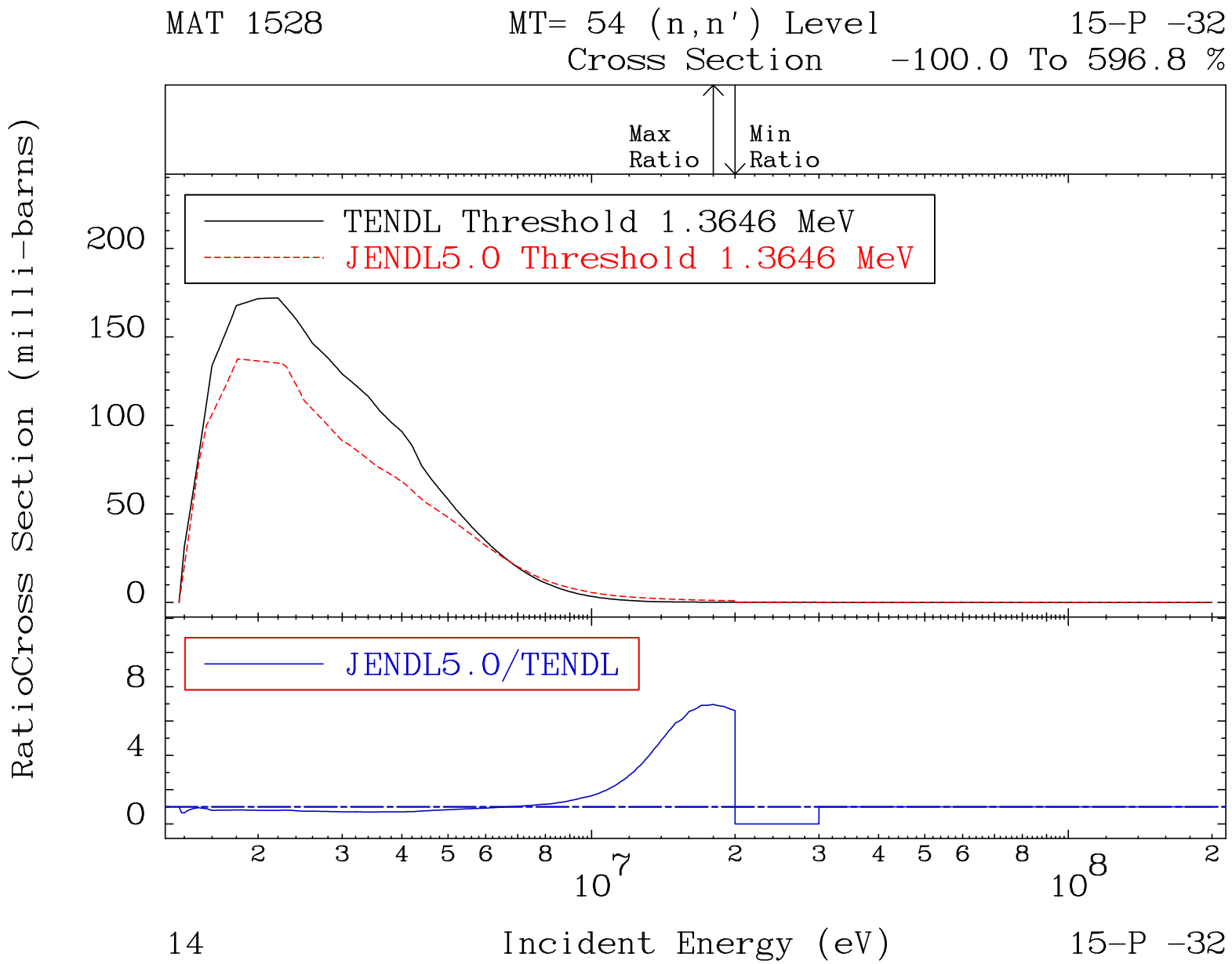

MAT 1528
(n,n') t
Cross Section
15-P -32
-100.0 To 18.05 %
Max
Ratio
TENDL Threshold 17.907 MeV
JENDL5.0 Threshold 17.907 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
15-P -32

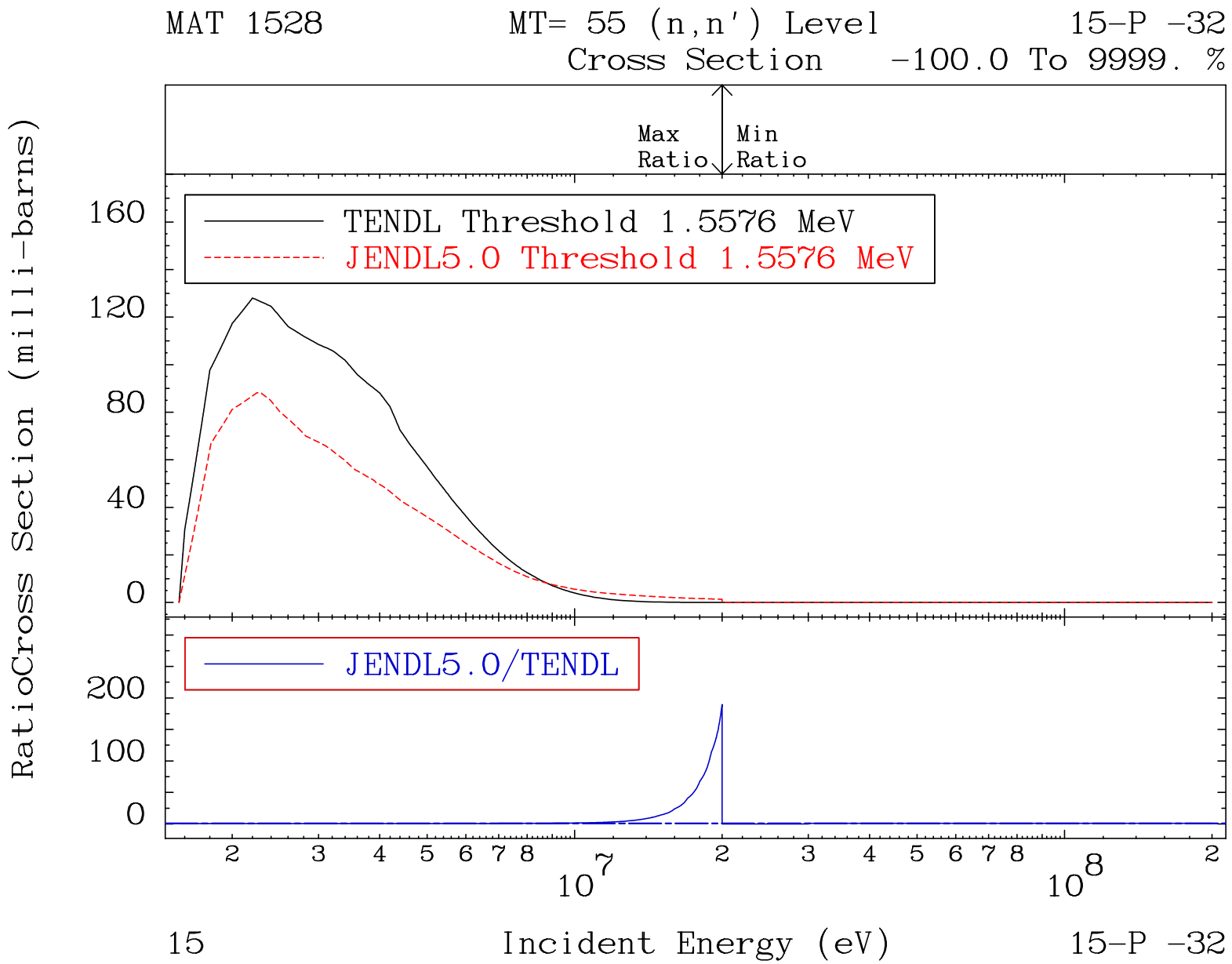

MAT 1528
(n,2n) p
15-P -32
Cross Section
-100.0 To 9999. %
Min
Ratio
TENDL Threshold 15.713 MeV
JENDL5.0 Threshold 15.713 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
15-P -32

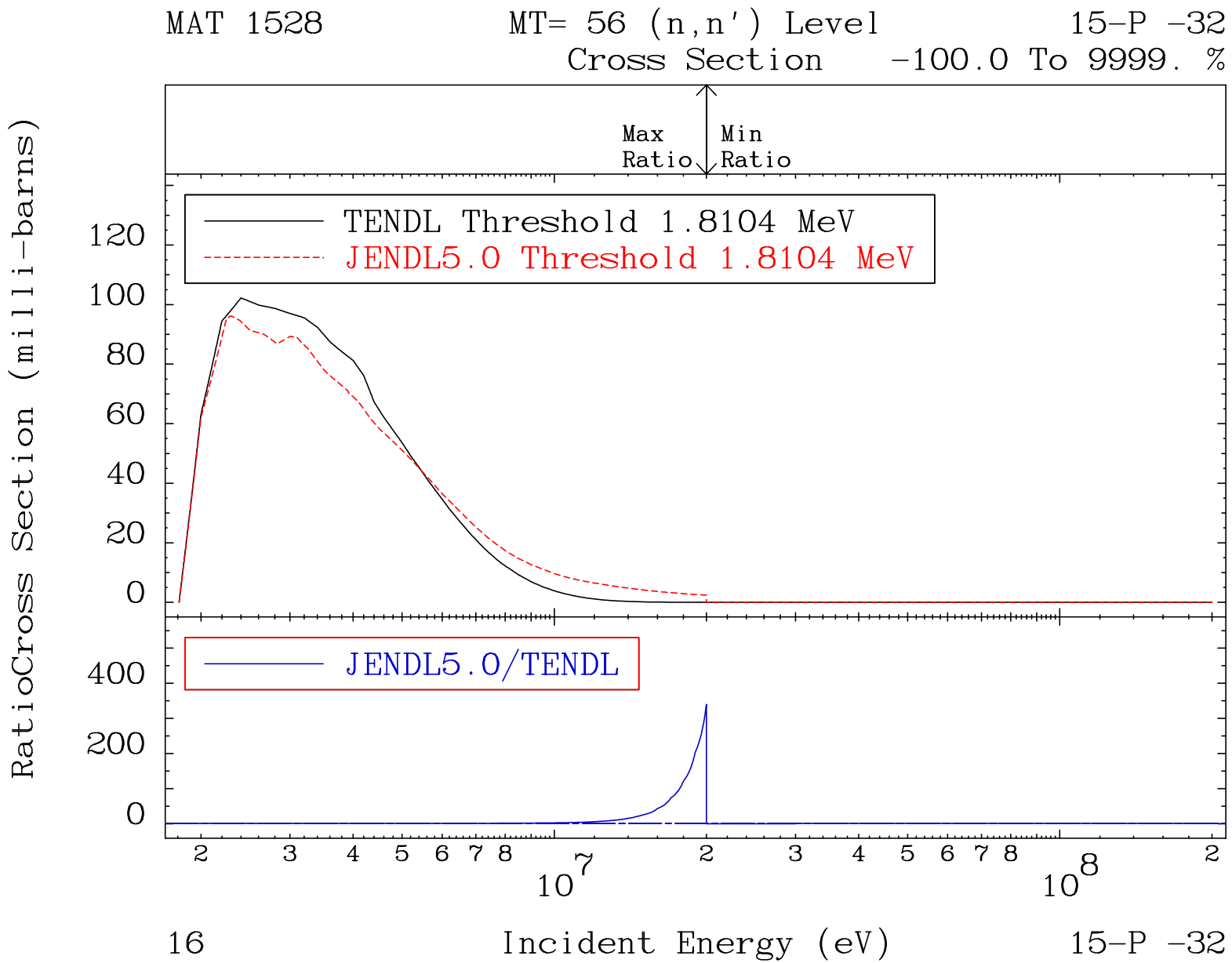

MAT 1528
MT= 51 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 465.82 keV
JENDL5.0 Threshold 80.523 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
10^5
10^6
10^7
10^8
11
Incident Energy (eV)
15-P -32

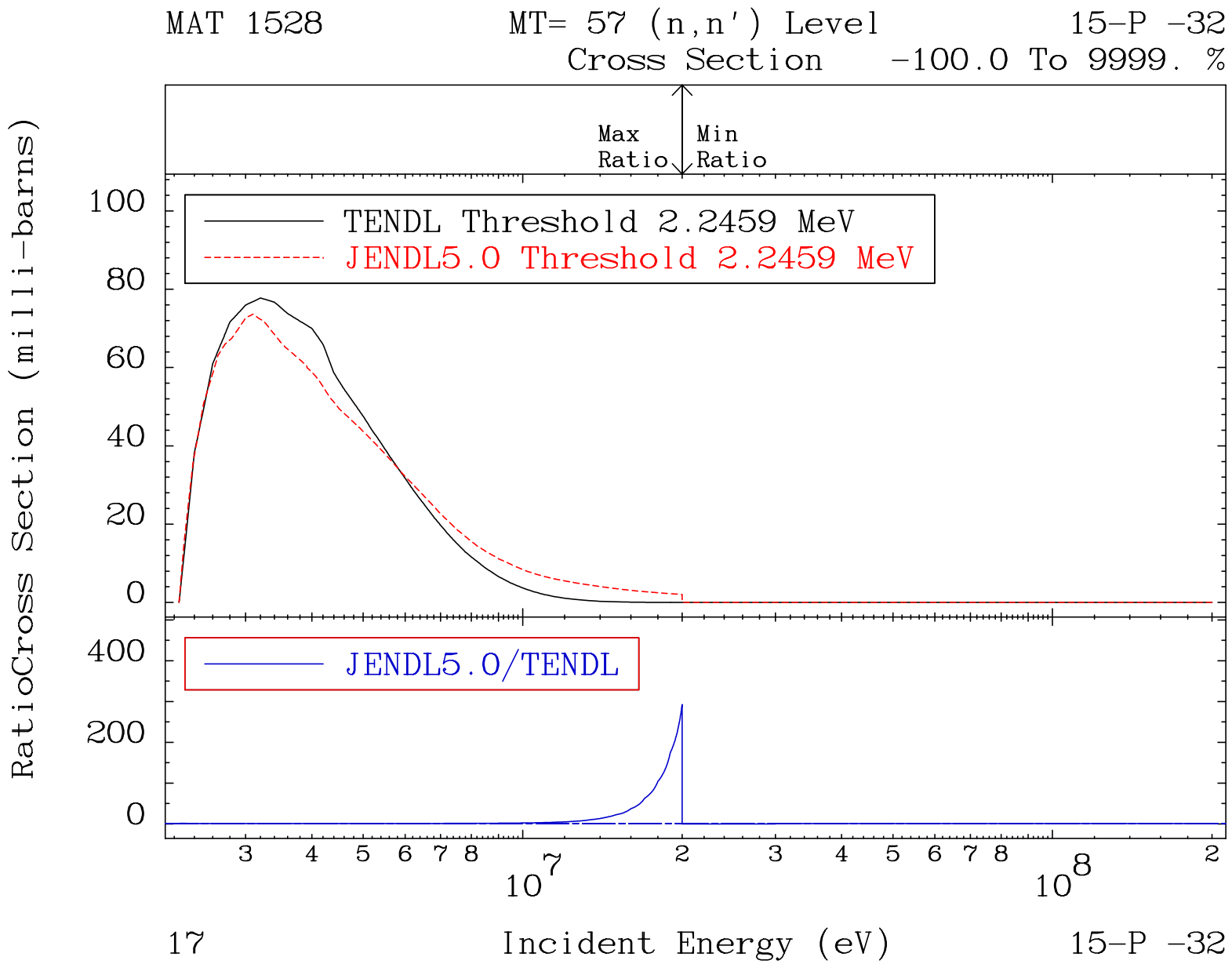

MAT 1528
MT= 52 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 528.87 keV
JENDL5.0 Threshold 528.87 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
15-P -32

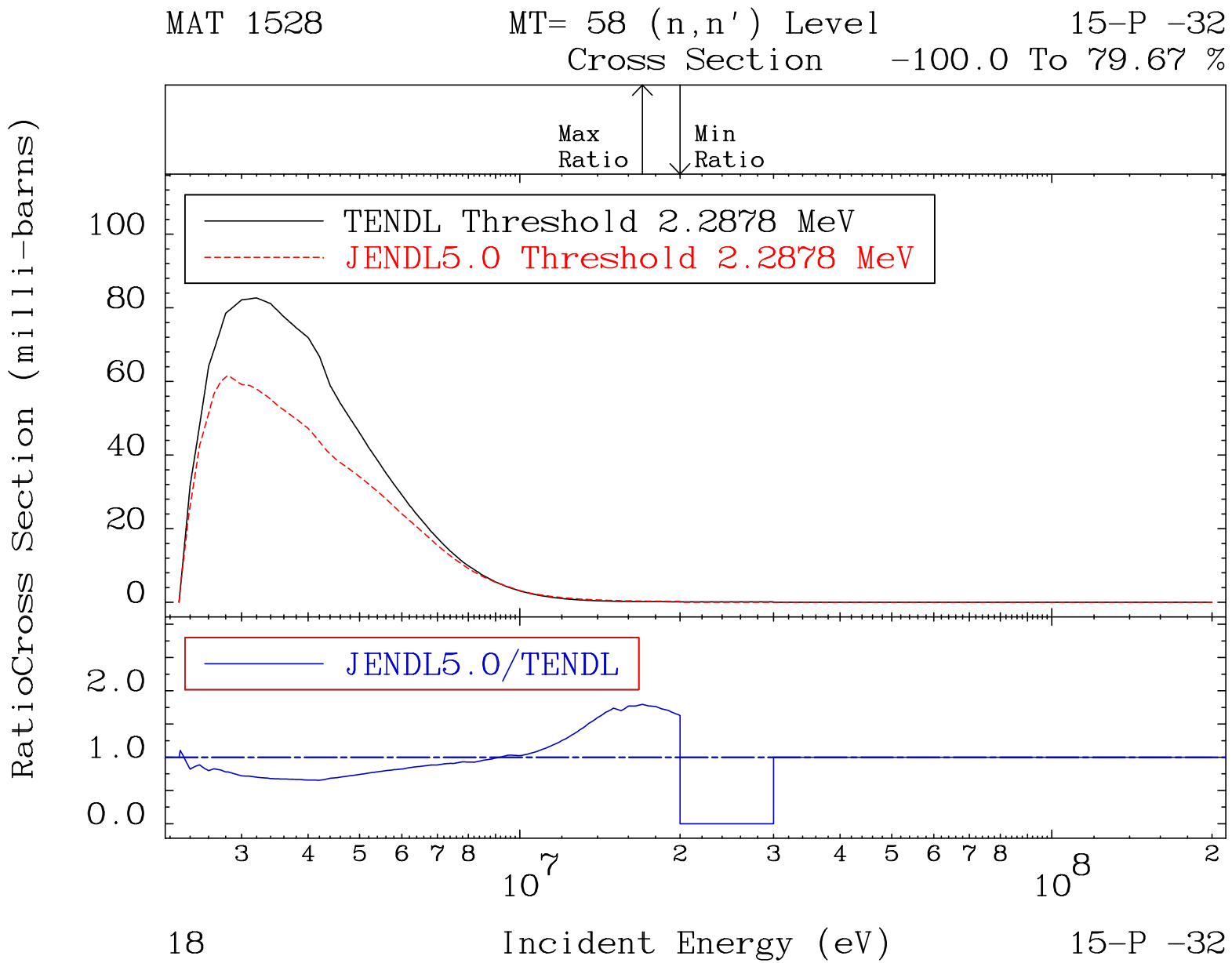

MAT 1528
MT= 53 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1857 MeV
JENDL5.0 Threshold 1.1857 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
800
400
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
15-P -32

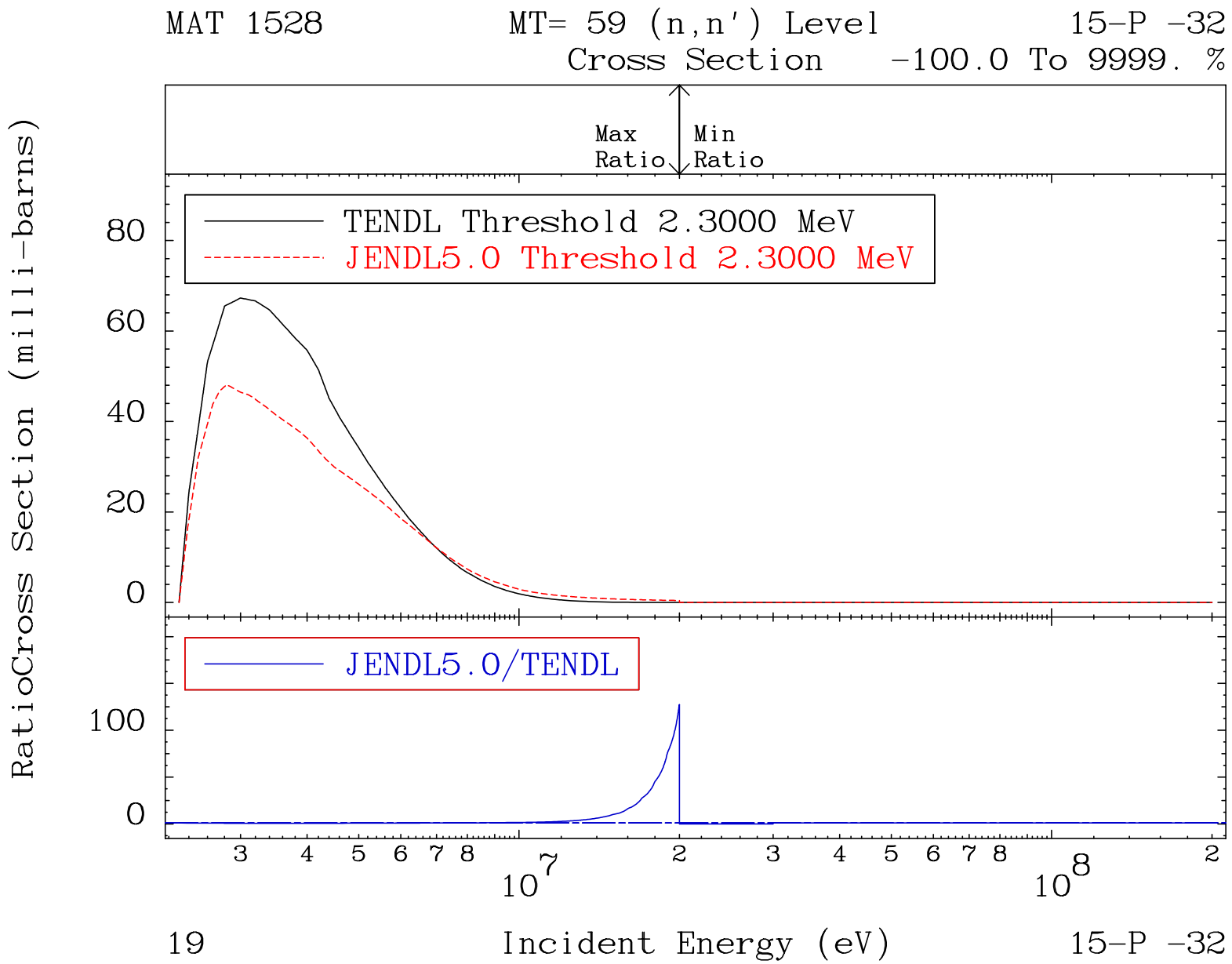

MAT 1528
MT= 54 (n,n') Level
15-P -32
Cross Section -100.0 To 596.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.3646 MeV
JENDL5.0 Threshold 1.3646 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
15-P -32

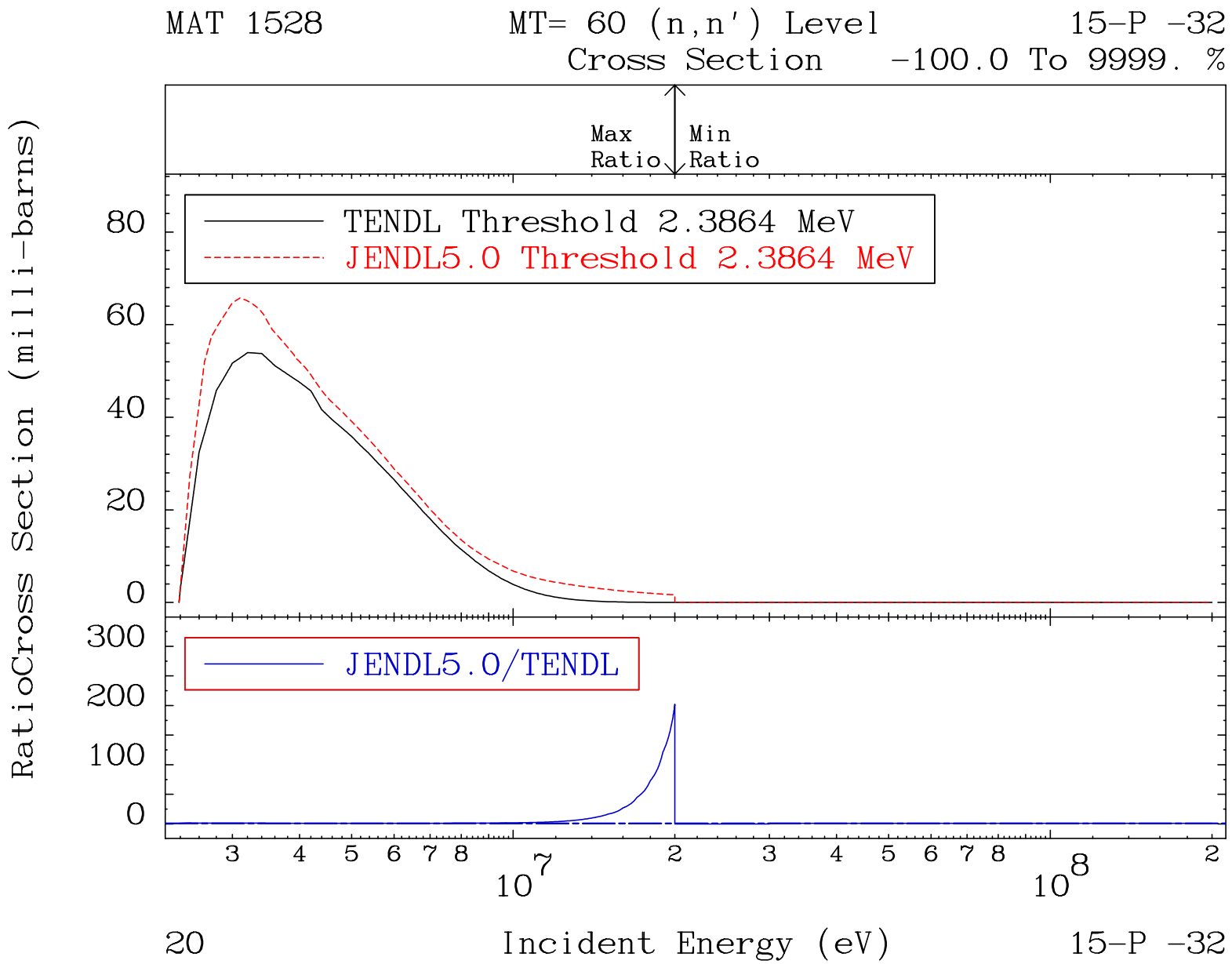

MAT 1528
MT= 55 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5576 MeV
JENDL5.0 Threshold 1.5576 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
15-P -32

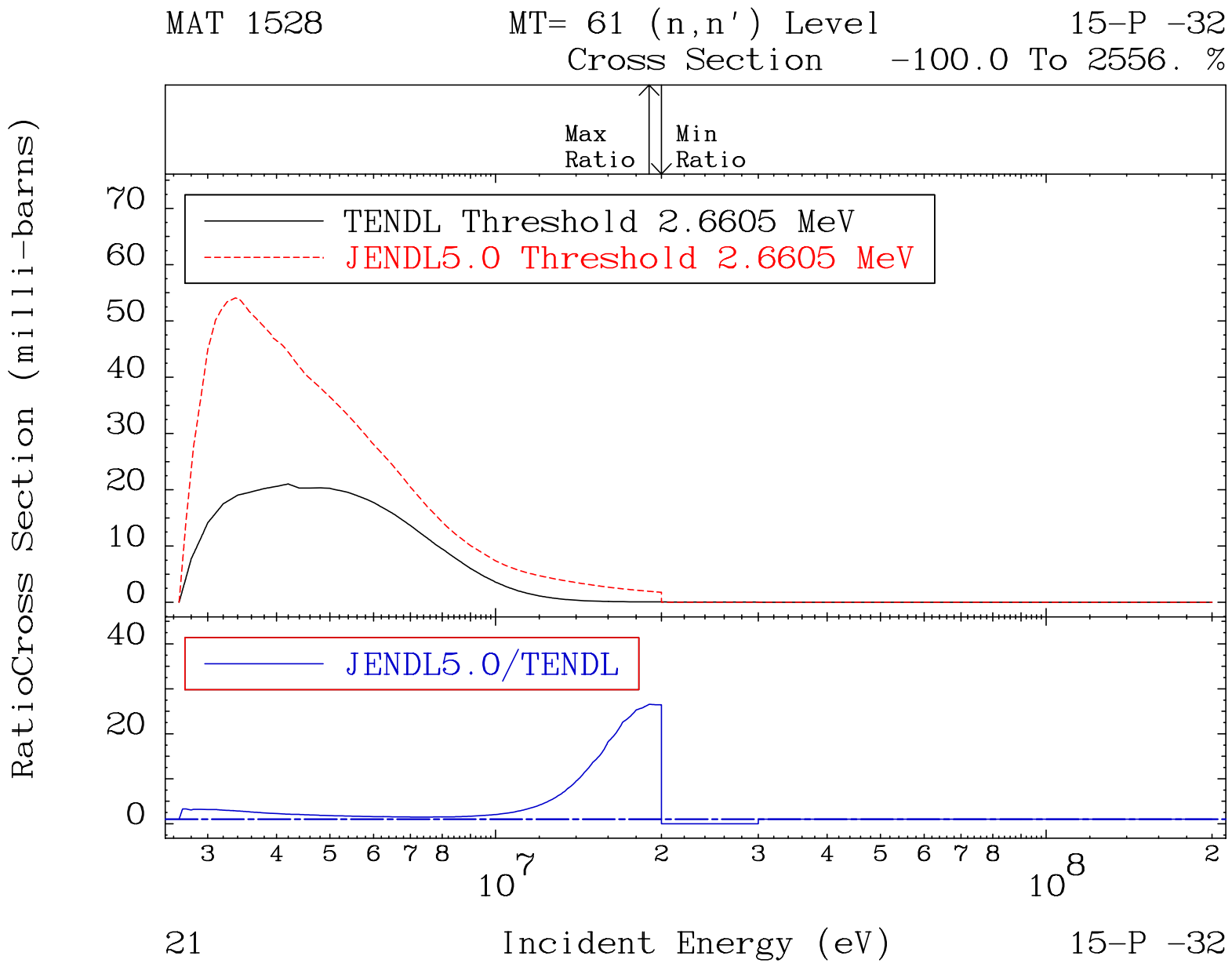

MAT 1528
MT= 56 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8104 MeV
JENDL5.0 Threshold 1.8104 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
400
200
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
15-P -32

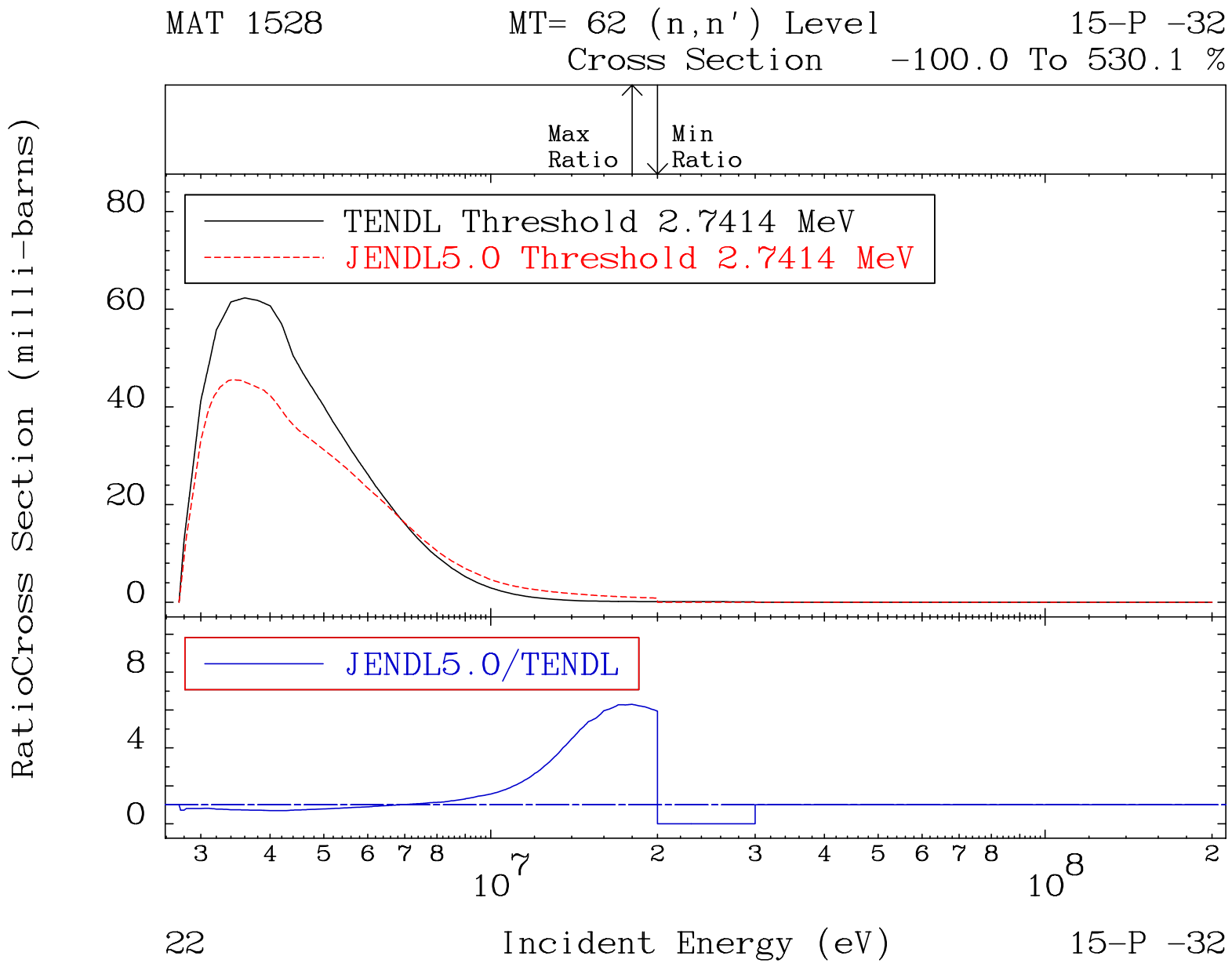

MAT 1528
MT= 57 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.2459 MeV
JENDL5.0 Threshold 2.2459 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
15-P -32

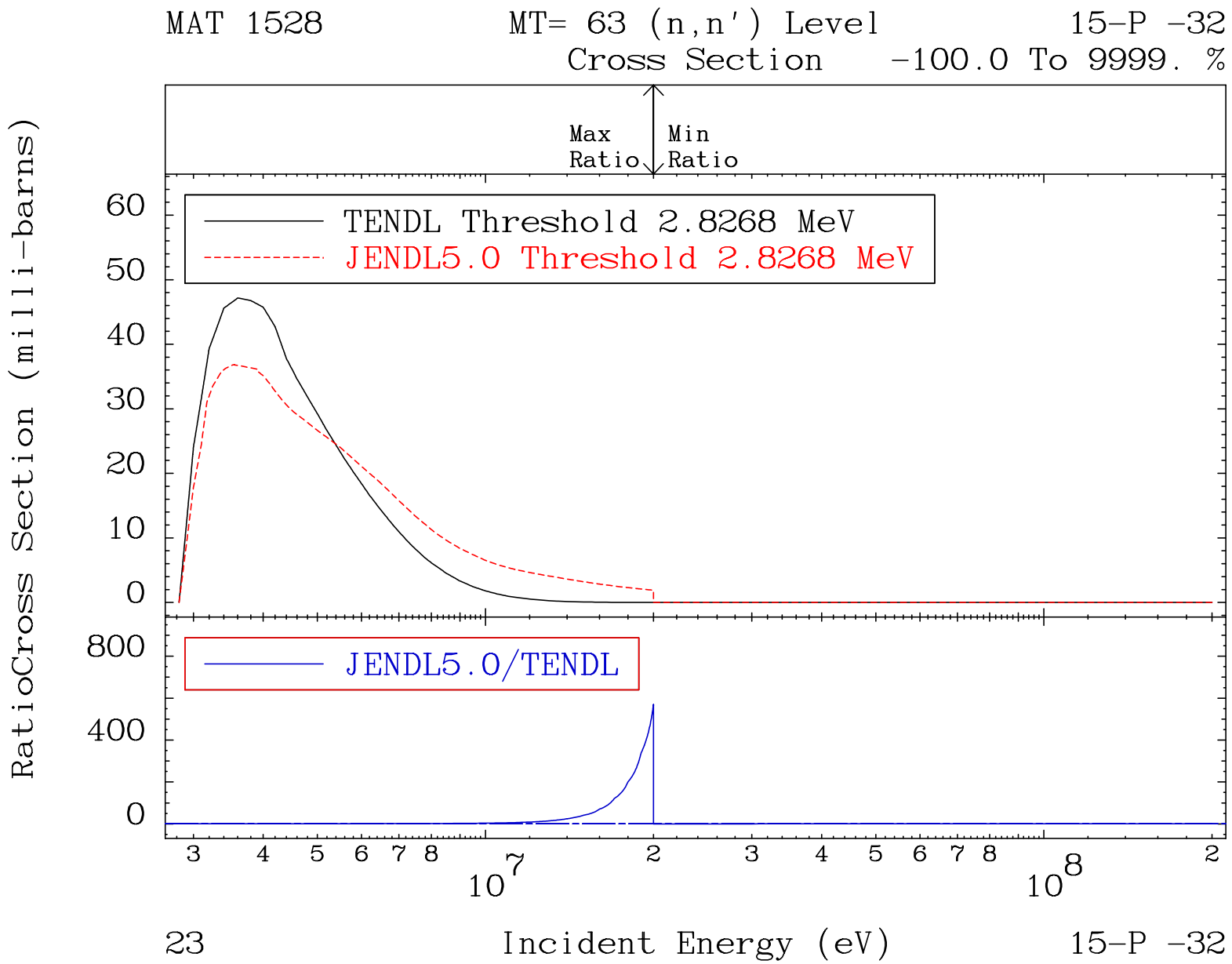

MAT 1528
MT= 58 (n,n') Level
15-P -32
Cross Section -100.0 To 79.67 %
Max Ratio
Min Ratio
TENDL Threshold 2.2878 MeV
JENDL5.0 Threshold 2.2878 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
15-P -32

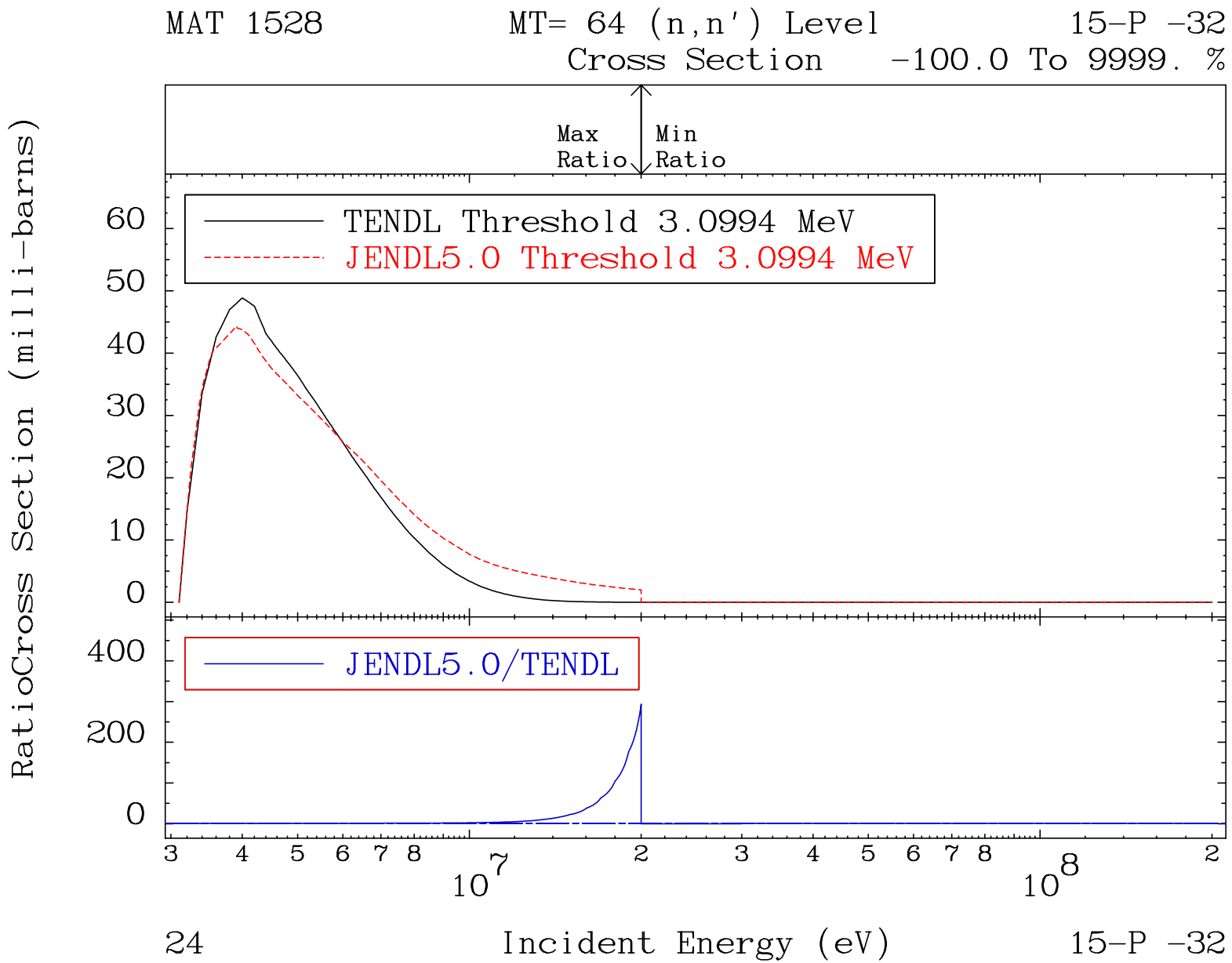

MAT 1528
MT= 59 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3000 MeV
JENDL5.0 Threshold 2.3000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
100
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
15-P -32

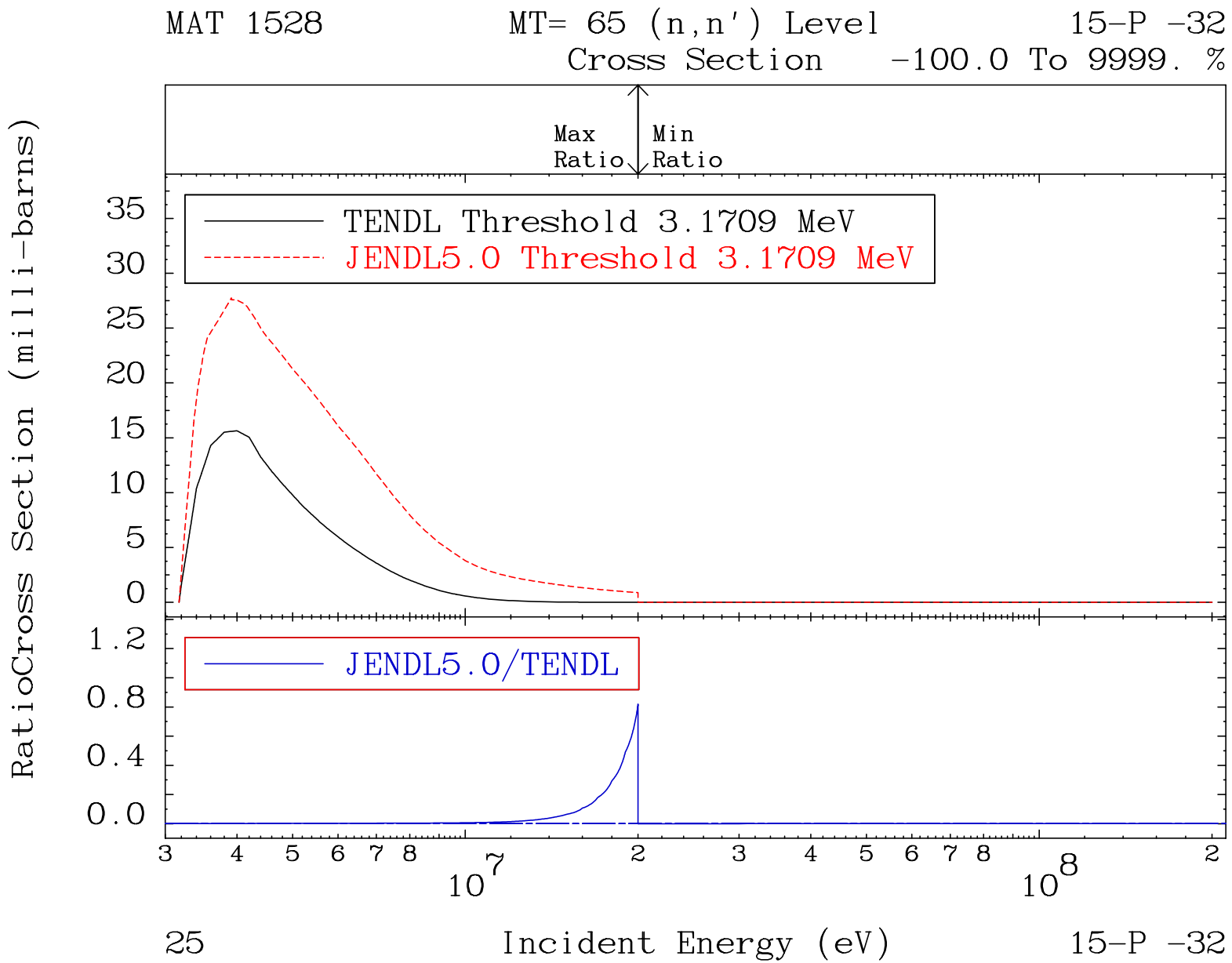

MAT 1528
MT= 60 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3864 MeV
JENDL5.0 Threshold 2.3864 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
300
200
100
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
15-P -32

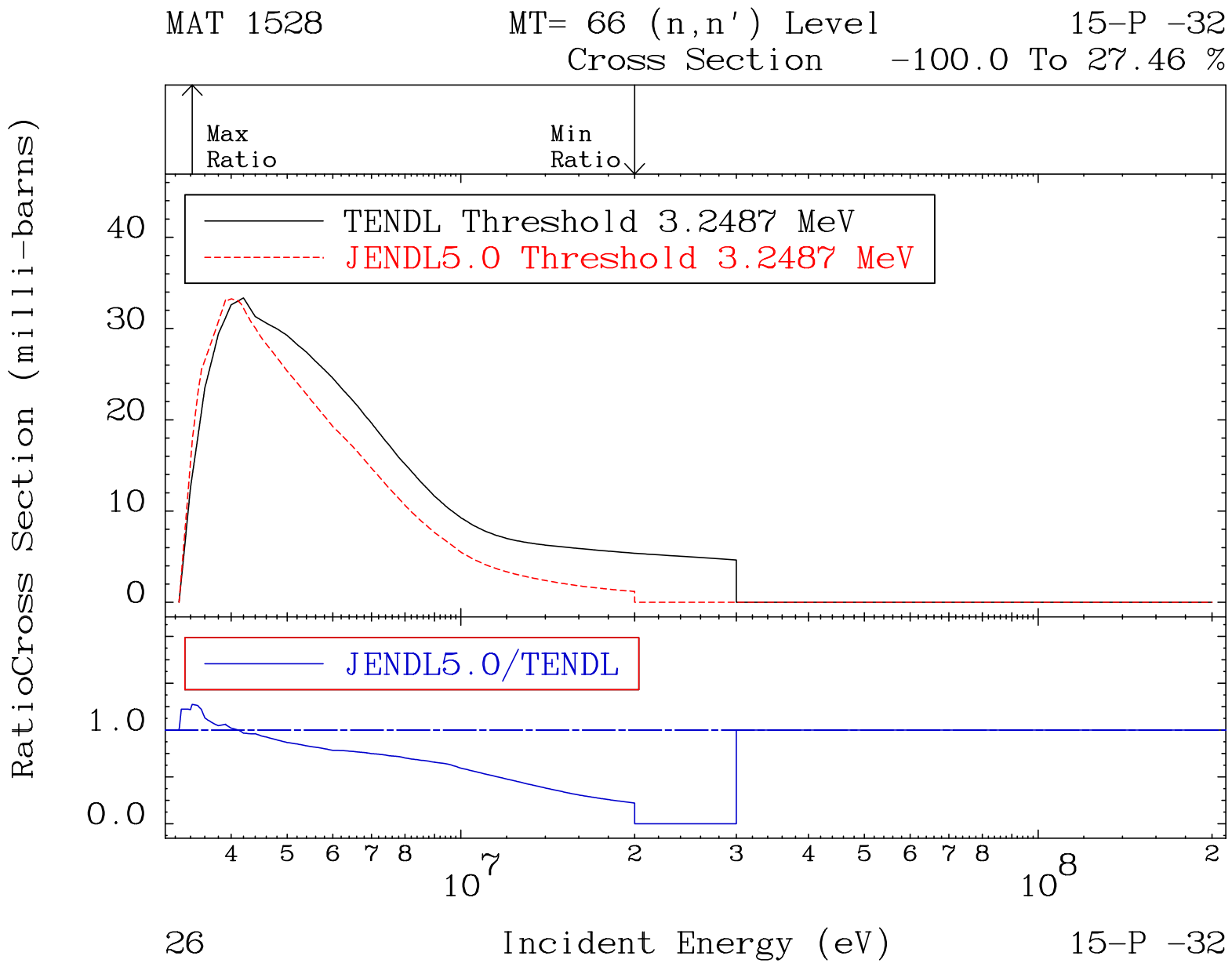

MAT 1528
MT= 61 (n,n') Level
15-P -32
Cross Section -100.0 To 2556. %
Max Ratio
Min Ratio
TENDL Threshold 2.6605 MeV
JENDL5.0 Threshold 2.6605 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
15-P -32

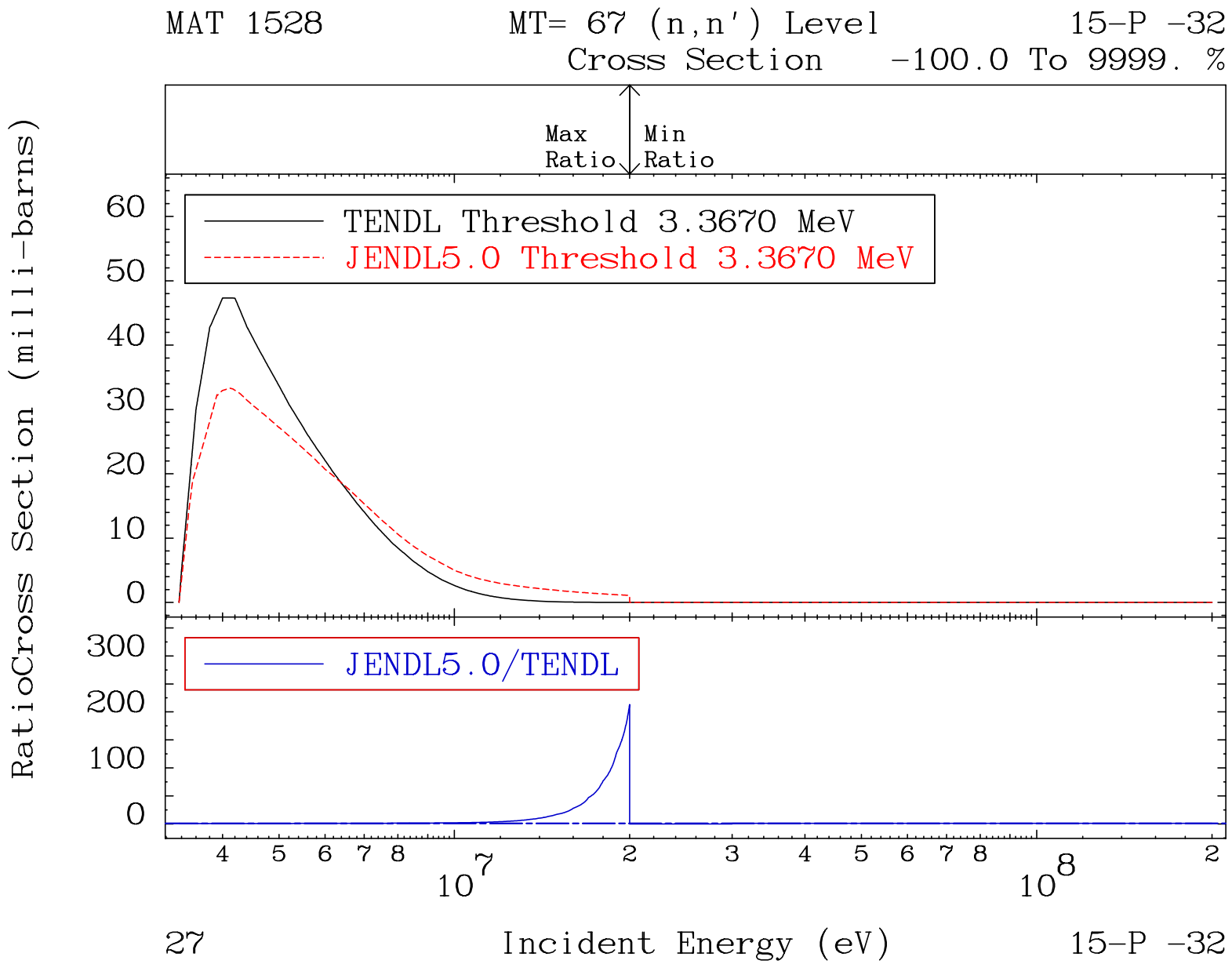

MAT 1528
MT= 62 (n,n') Level
15-P -32
Cross Section -100.0 To 530.1 %
Max Ratio
Min Ratio
TENDL Threshold 2.7414 MeV
JENDL5.0 Threshold 2.7414 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
15-P -32

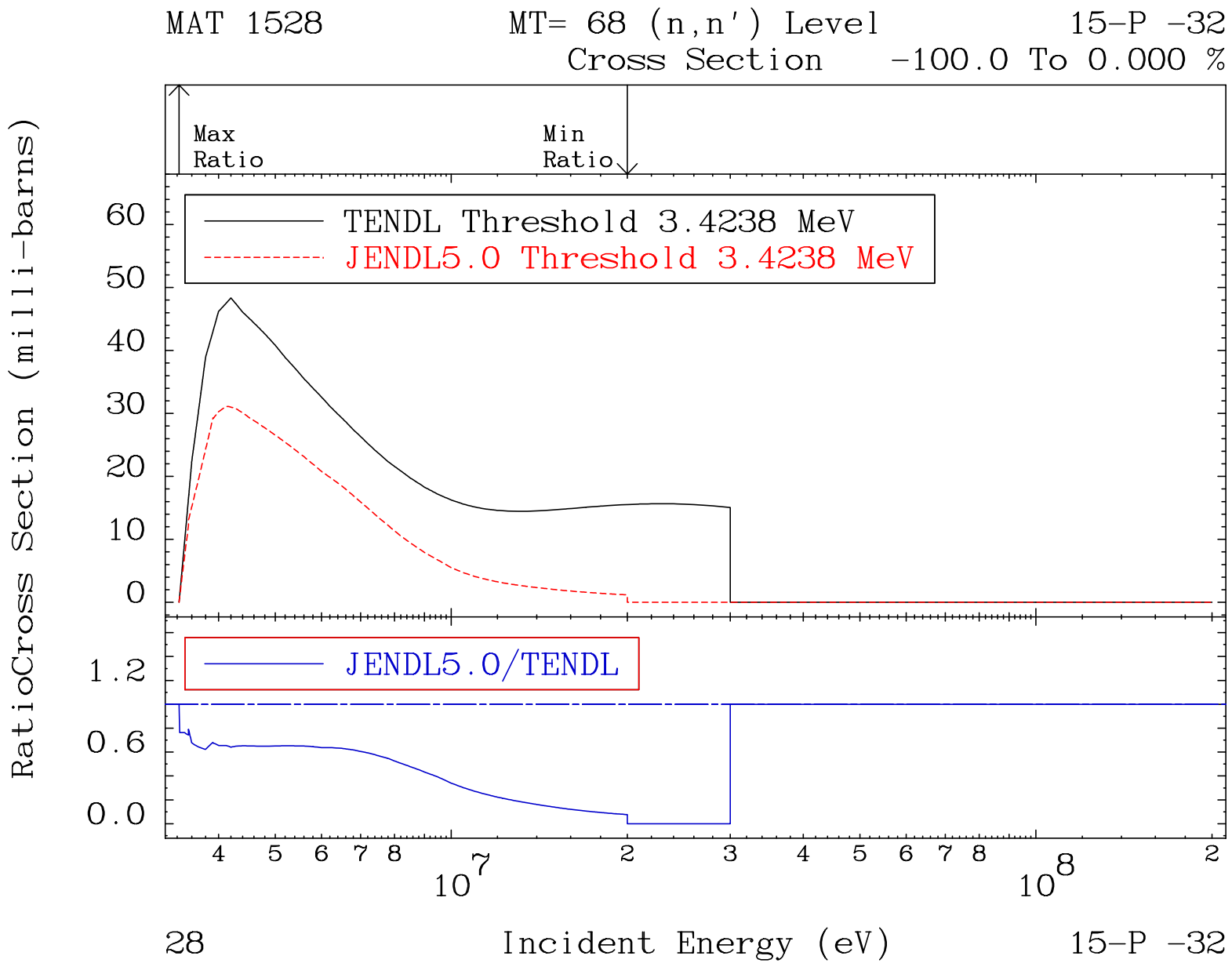

MAT 1528
MT= 63 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8268 MeV
JENDL5.0 Threshold 2.8268 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
800
400
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
15-P -32

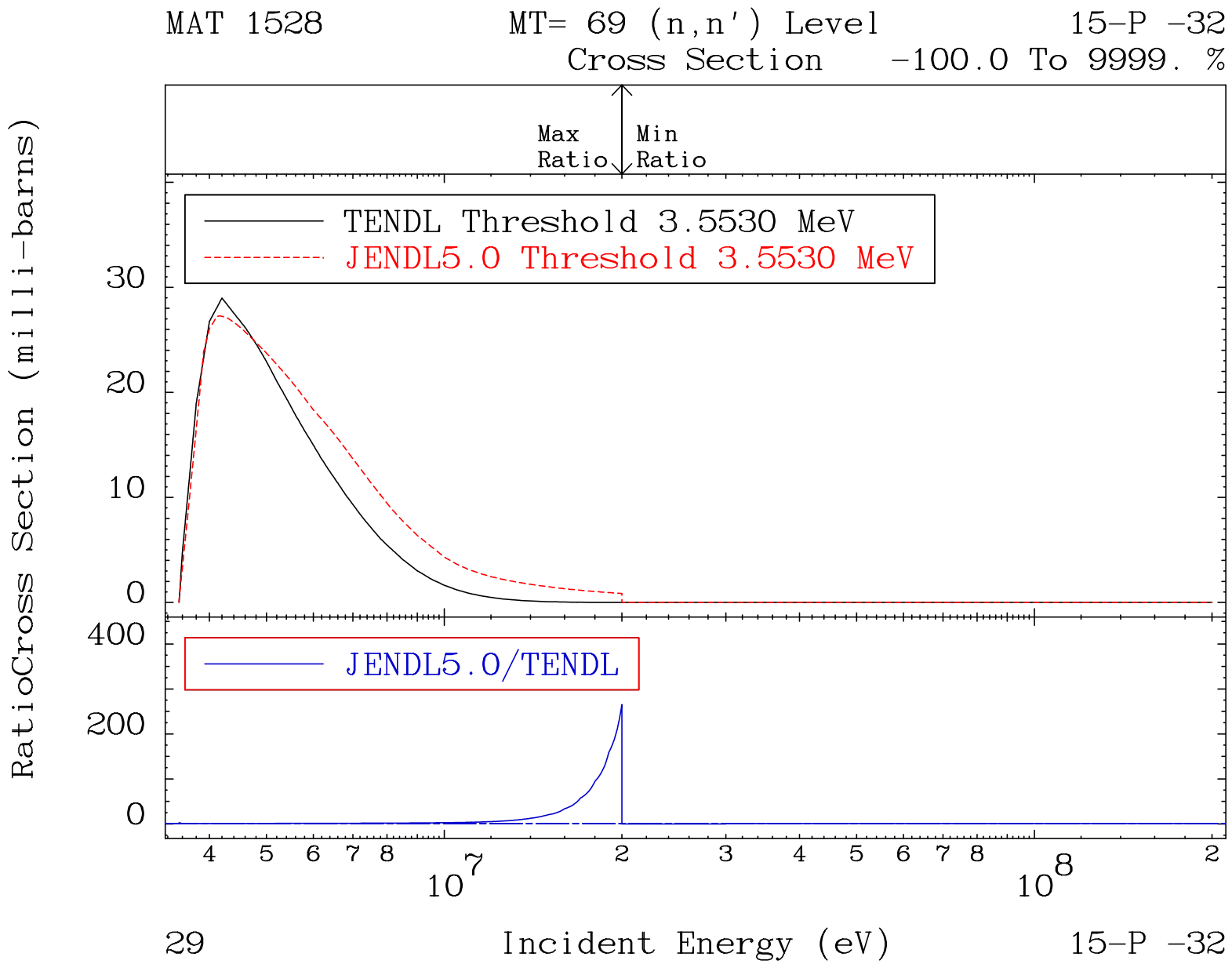

MAT 1528
MT= 64 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.0994 MeV
JENDL5.0 Threshold 3.0994 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
15-P -32

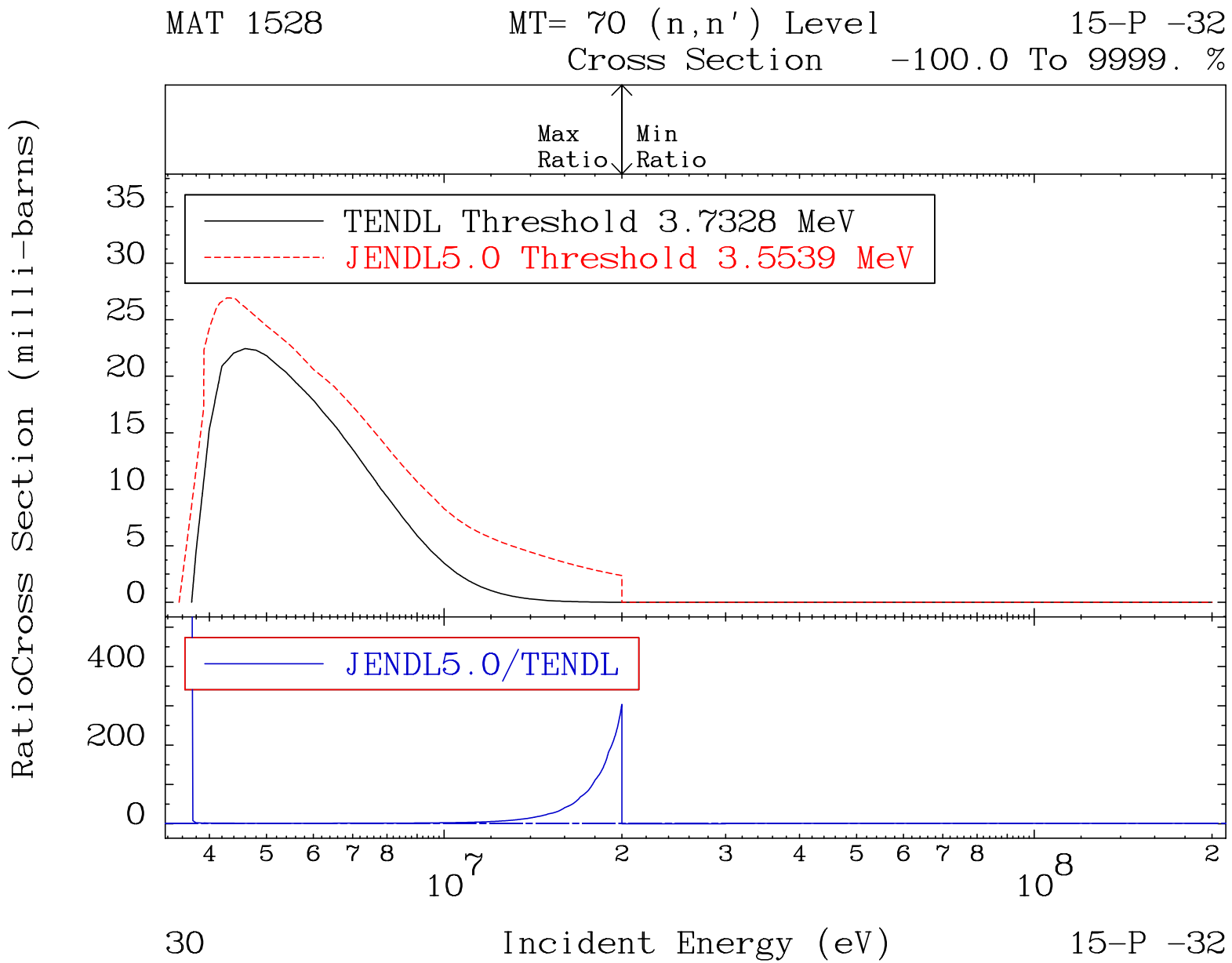

MAT 1528
MT= 65 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.1709 MeV
JENDL5.0 Threshold 3.1709 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
15-P -32

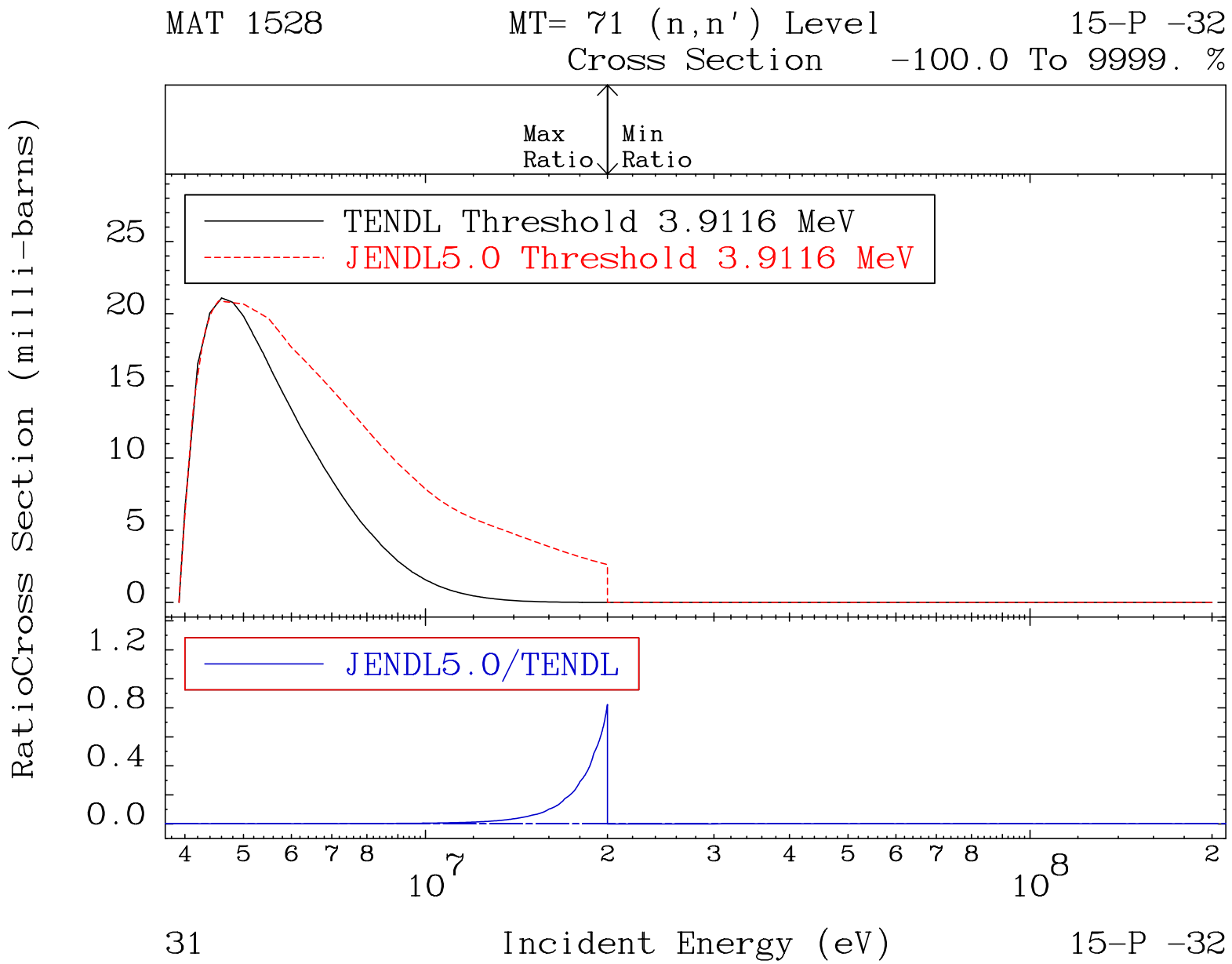

MAT 1528
MT= 66 (n,n') Level
15-P -32
Cross Section -100.0 To 27.46 %
Max Ratio
Min Ratio
TENDL Threshold 3.2487 MeV
JENDL5.0 Threshold 3.2487 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
15-P -32

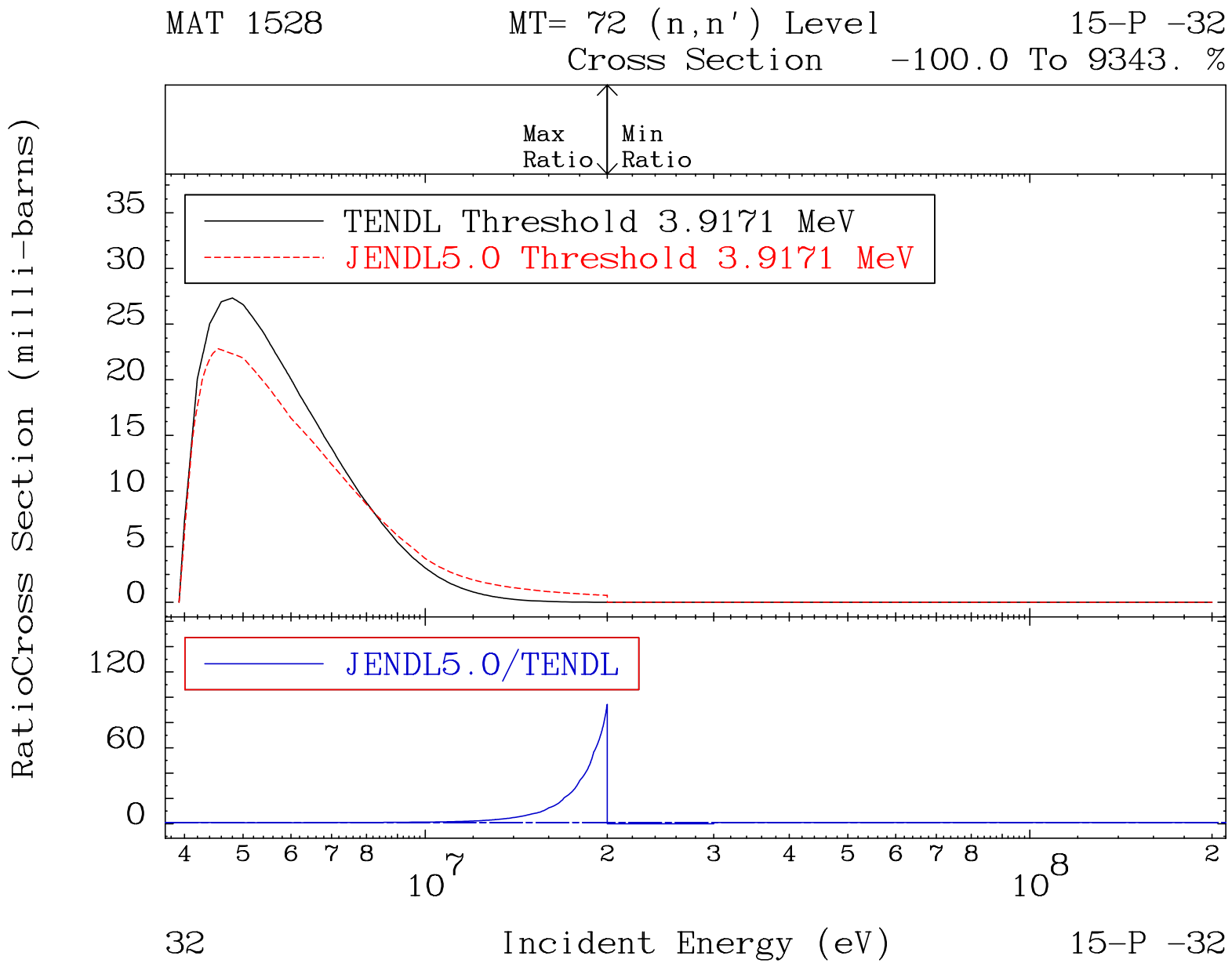

MAT 1528
MT= 67 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.3670 MeV
JENDL5.0 Threshold 3.3670 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
300
200
100
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
15-P -32

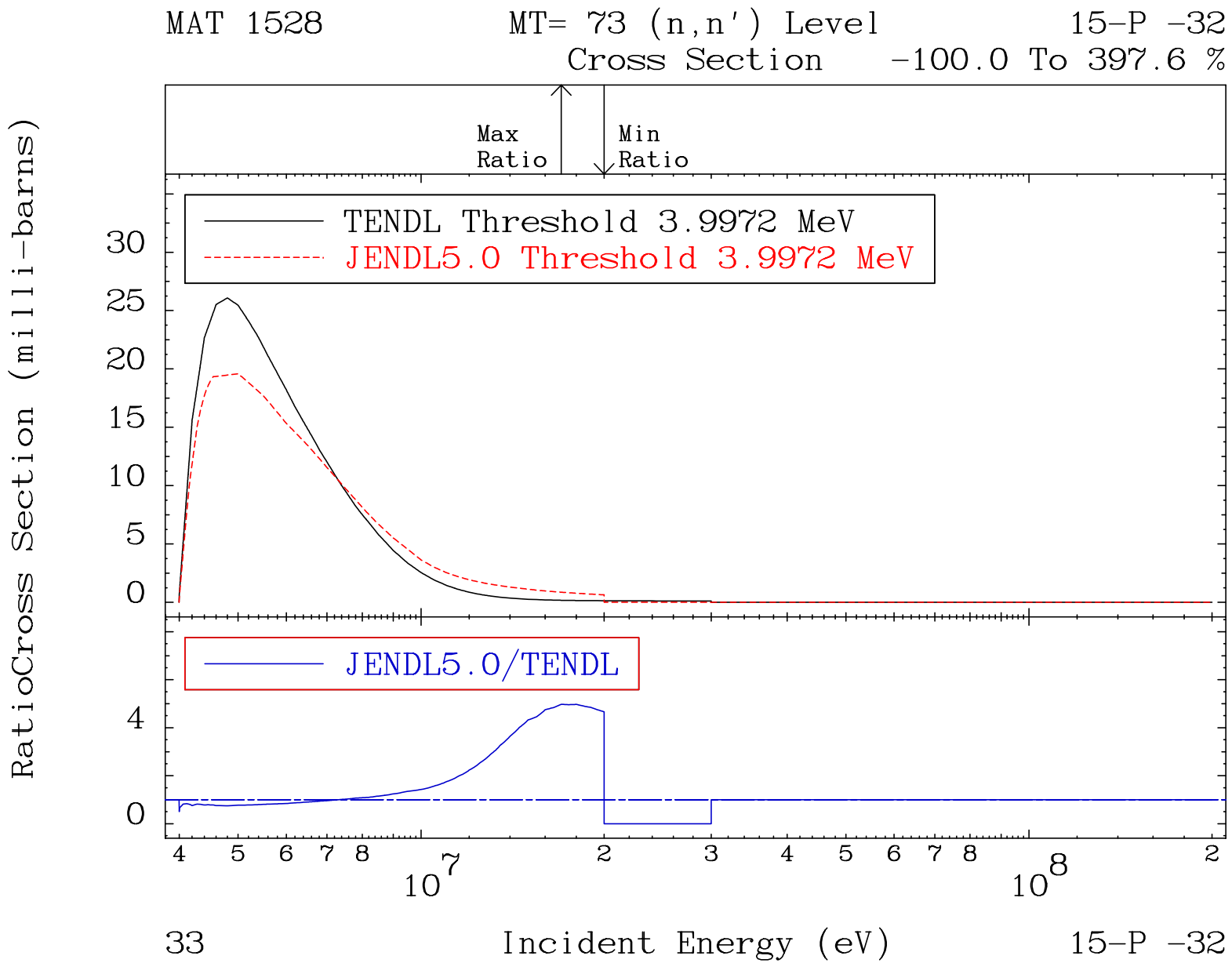

MAT 1528
MT= 68 (n,n') Level
15-P -32
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 3.4238 MeV
JENDL5.0 Threshold 3.4238 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
15-P -32

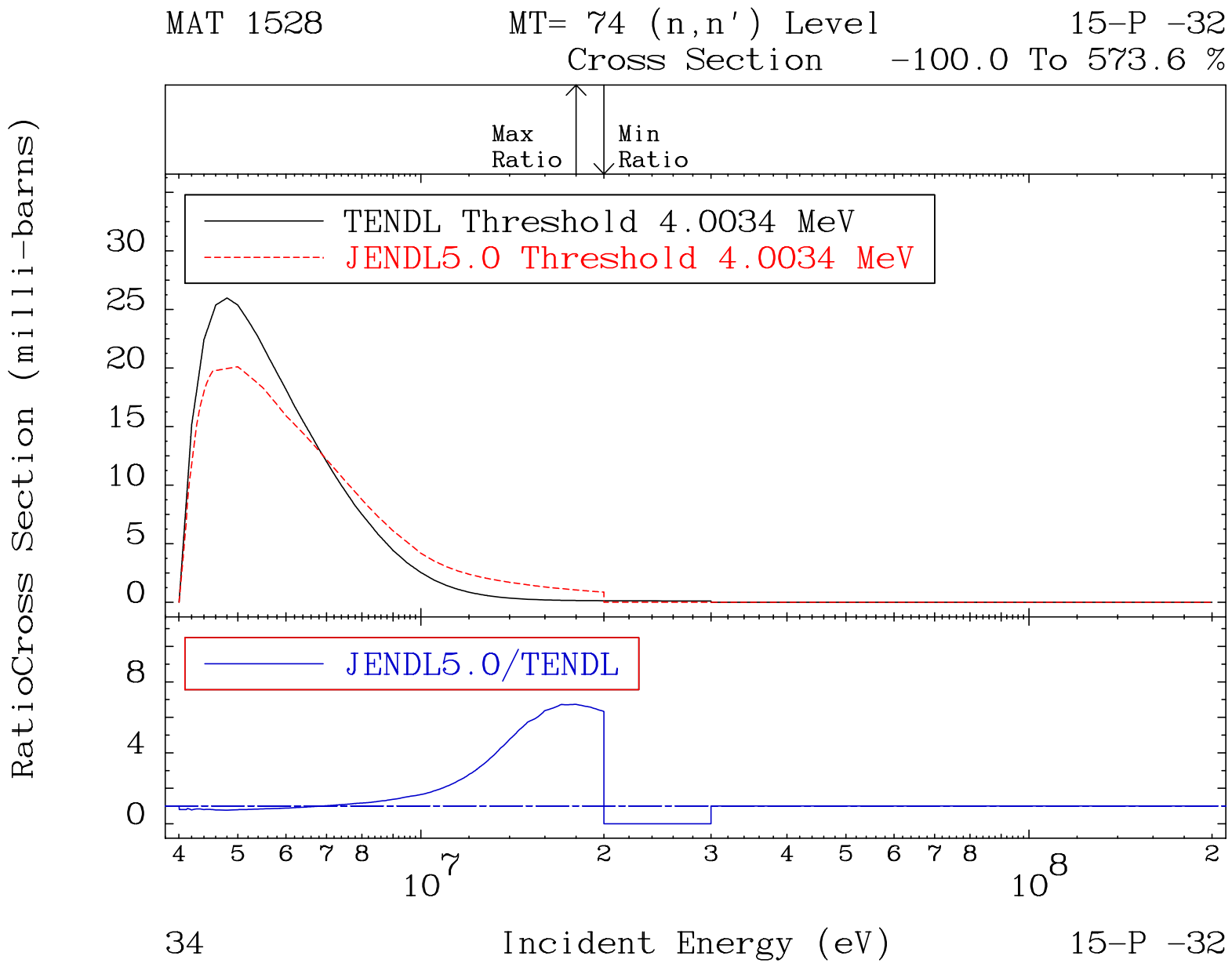

MAT 1528
MT= 69 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5530 MeV
JENDL5.0 Threshold 3.5530 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
400
200
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
15-P -32

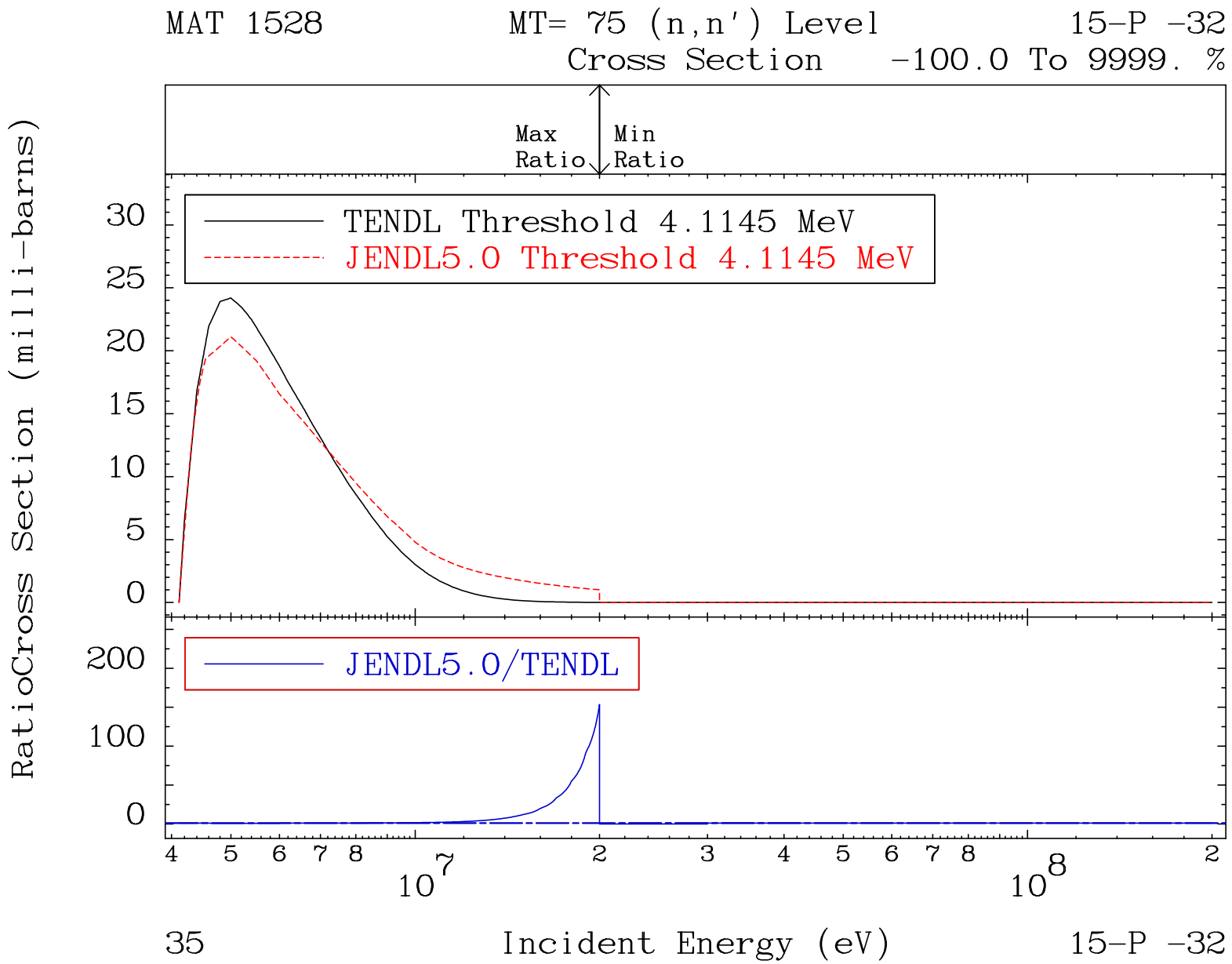

MAT 1528
MT= 70 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.7328 MeV
JENDL5.0 Threshold 3.5539 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
400
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
15-P -32

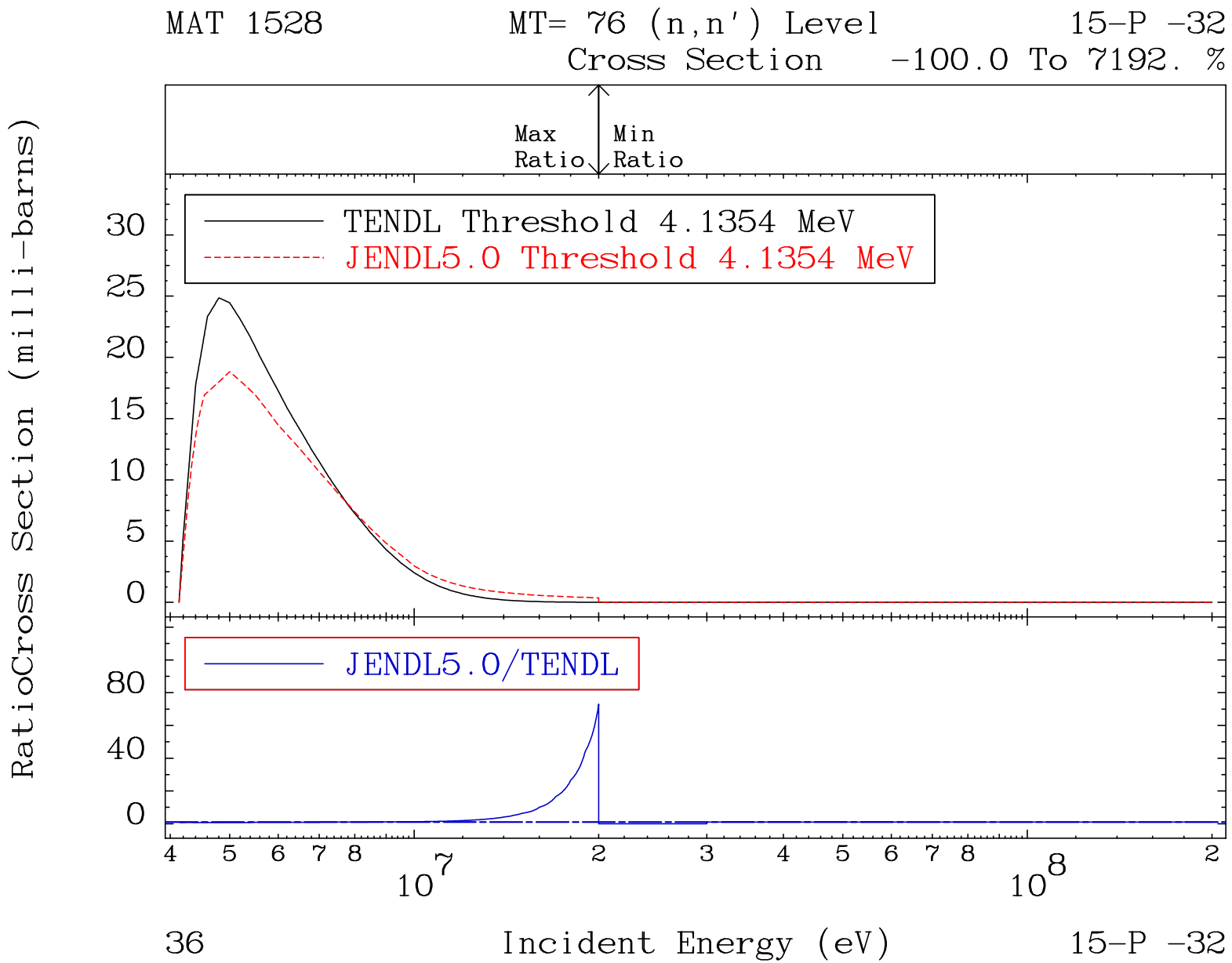

MAT 1528
MT= 71 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.9116 MeV
JENDL5.0 Threshold 3.9116 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.8
0.4
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
15-P -32

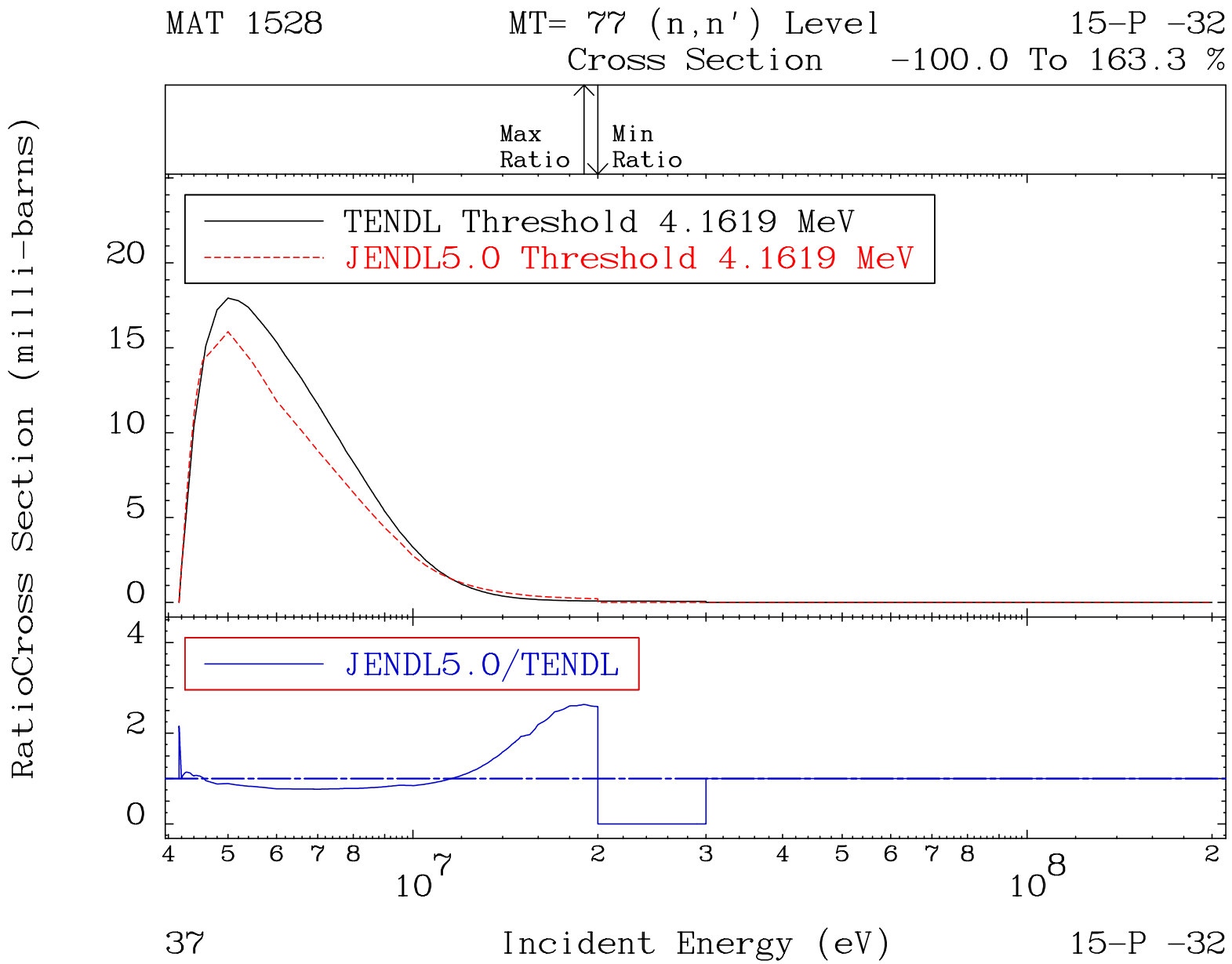

MAT 1528
MT= 72 (n,n') Level
15-P -32
Cross Section -100.0 To 9343. %
Max Ratio
Min Ratio
TENDL Threshold 3.9171 MeV
JENDL5.0 Threshold 3.9171 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
120
60
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
15-P -32

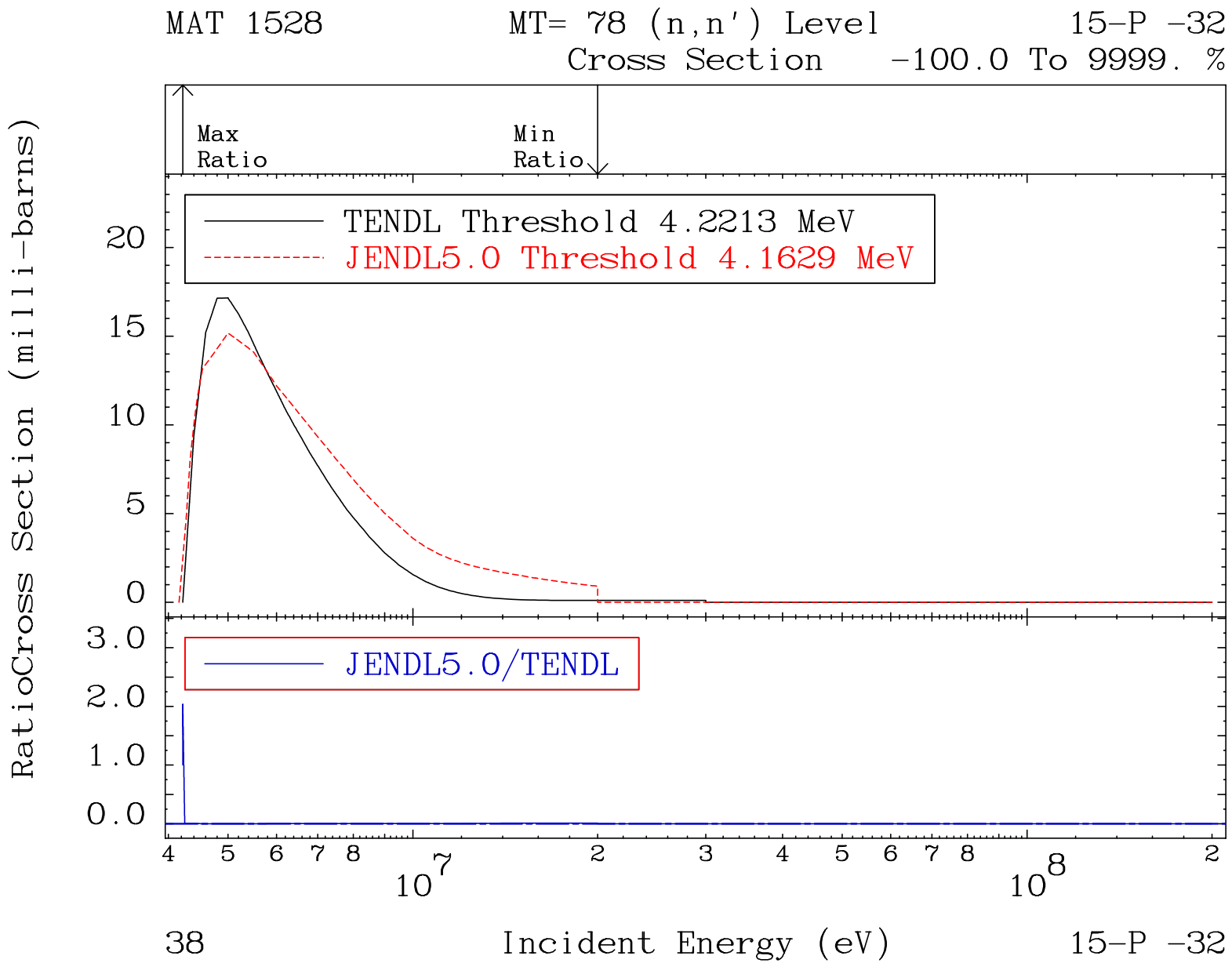

MAT 1528
MT= 73 (n,n') Level
15-P -32
Cross Section -100.0 To 397.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.9972 MeV
JENDL5.0 Threshold 3.9972 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
15-P -32

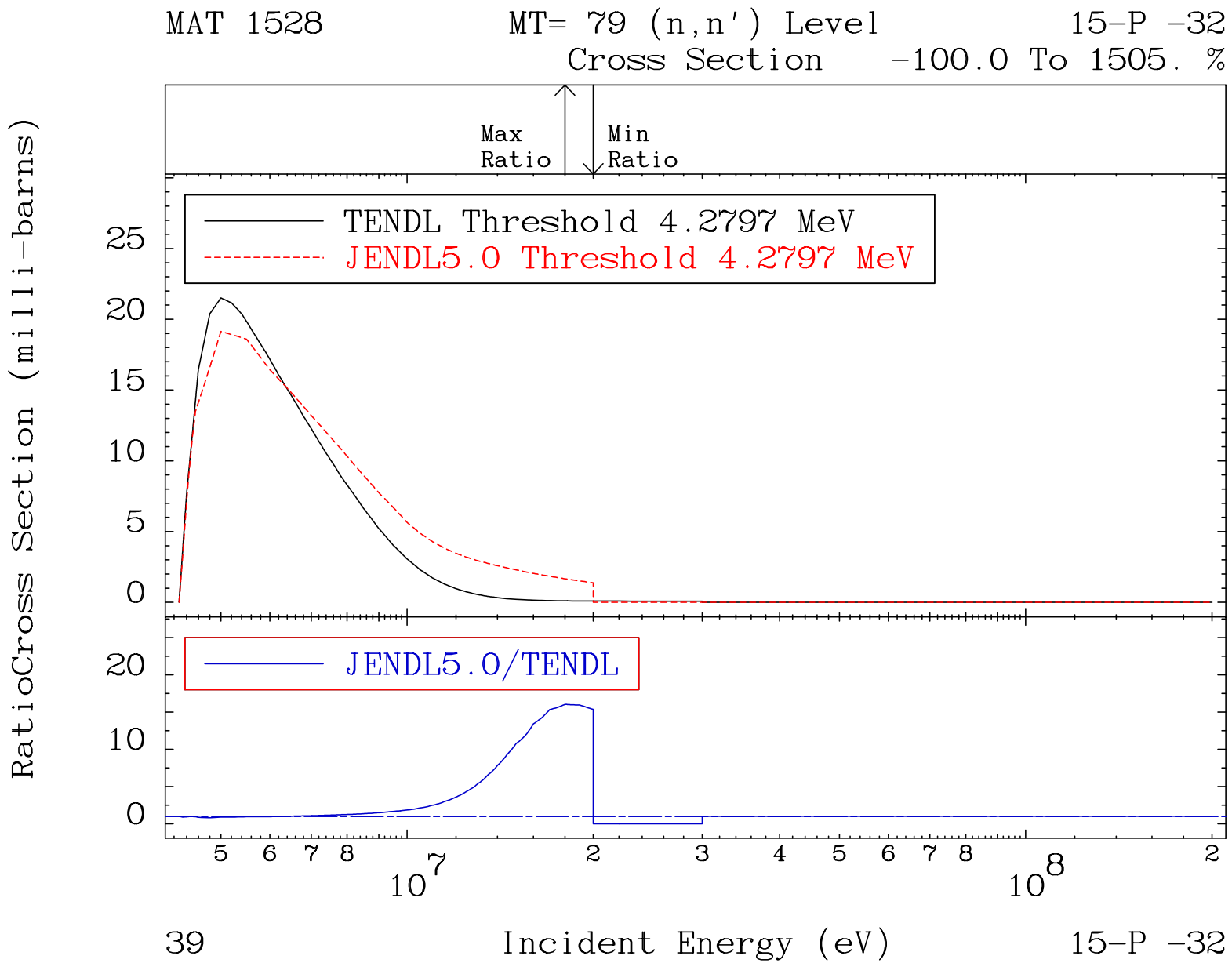

MAT 1528
MT= 74 (n,n') Level
15-P -32
Cross Section -100.0 To 573.6 %
Max Ratio
Min Ratio
TENDL Threshold 4.0034 MeV
JENDL5.0 Threshold 4.0034 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
15-P -32

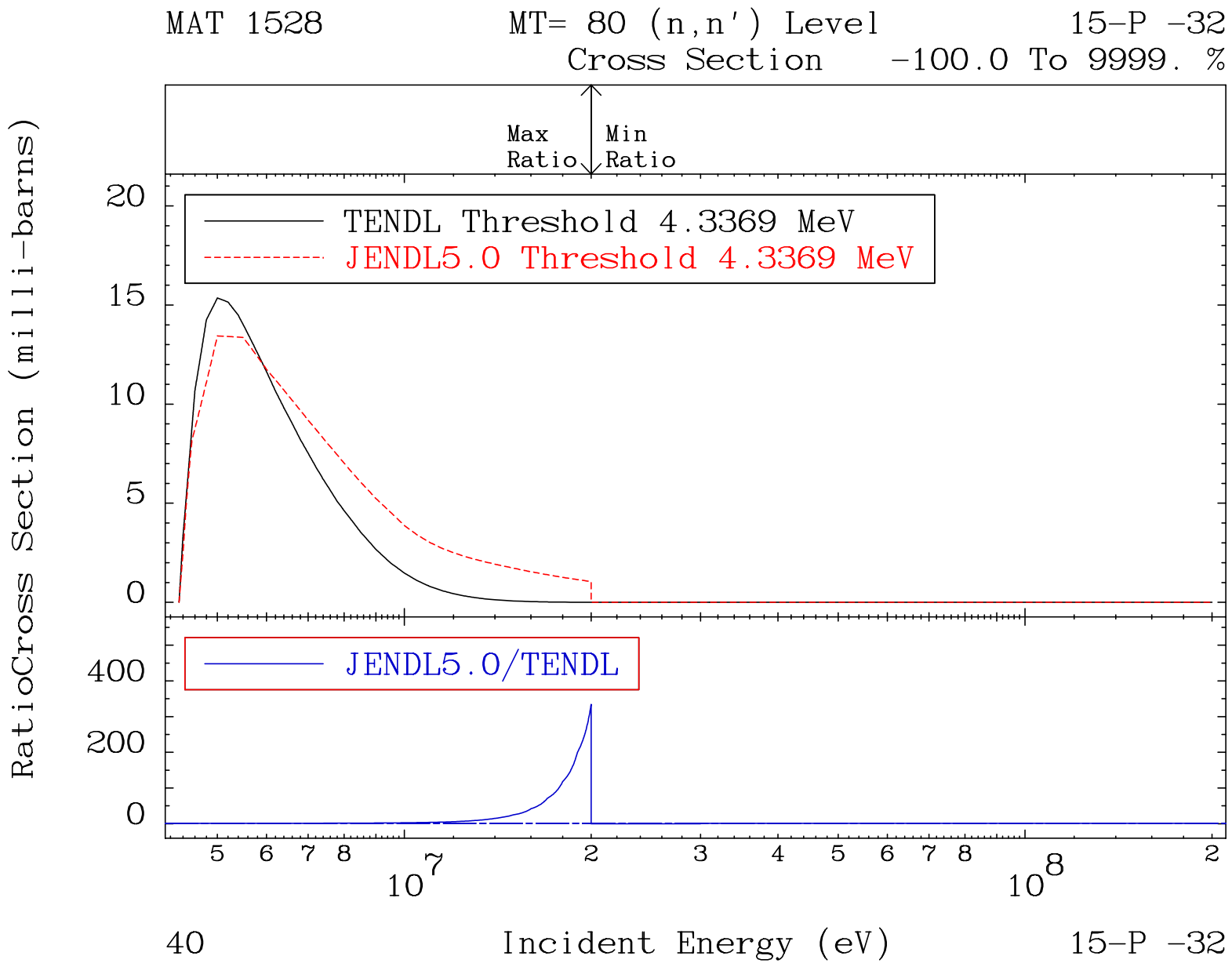

MAT 1528
MT= 75 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.1145 MeV
JENDL5.0 Threshold 4.1145 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
200
100
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
15-P -32

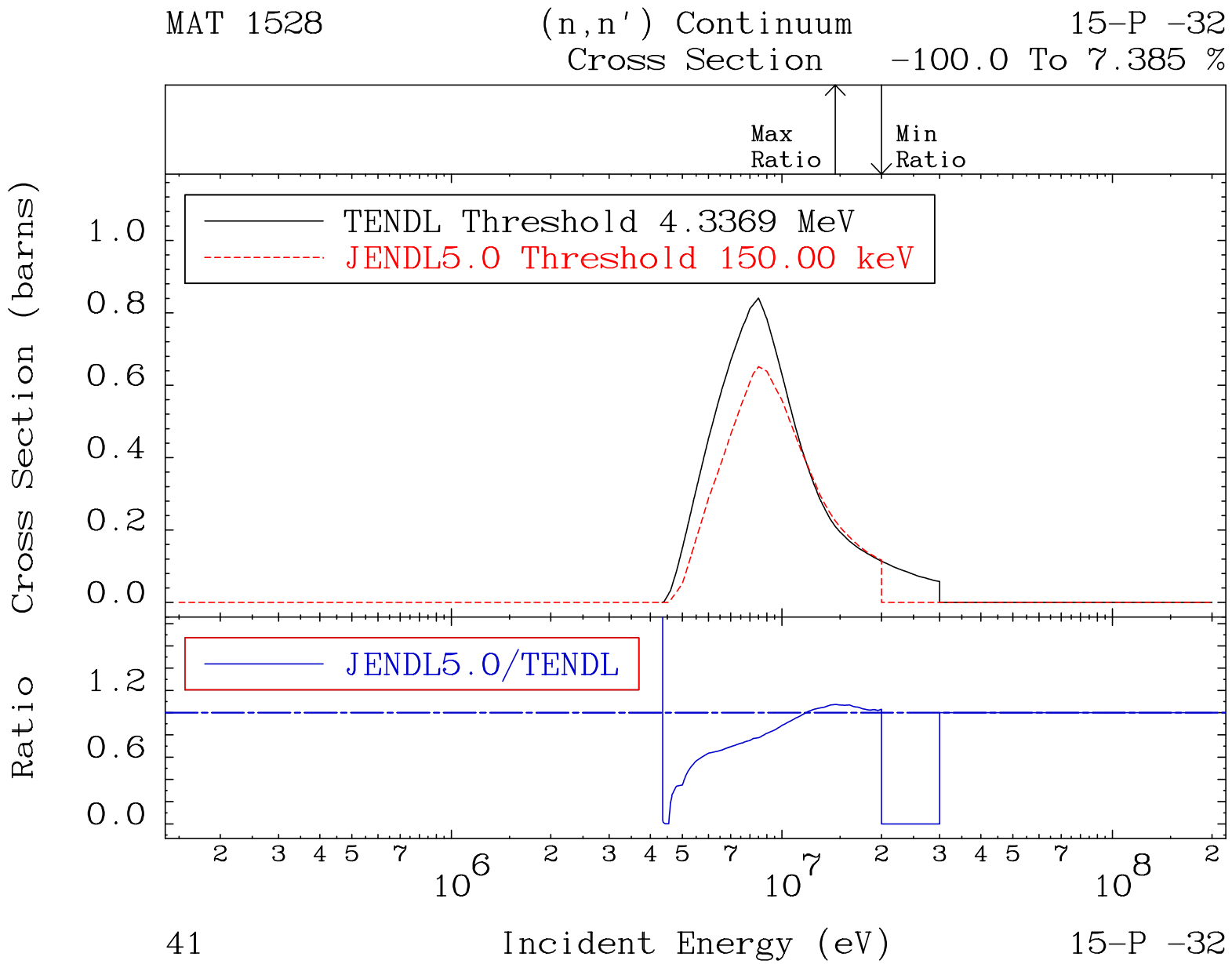

MAT 1528
MT= 76 (n,n') Level
15-P -32
Cross Section -100.0 To 7192. %
Max Ratio
Min Ratio
TENDL Threshold 4.1354 MeV
JENDL5.0 Threshold 4.1354 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
15-P -32

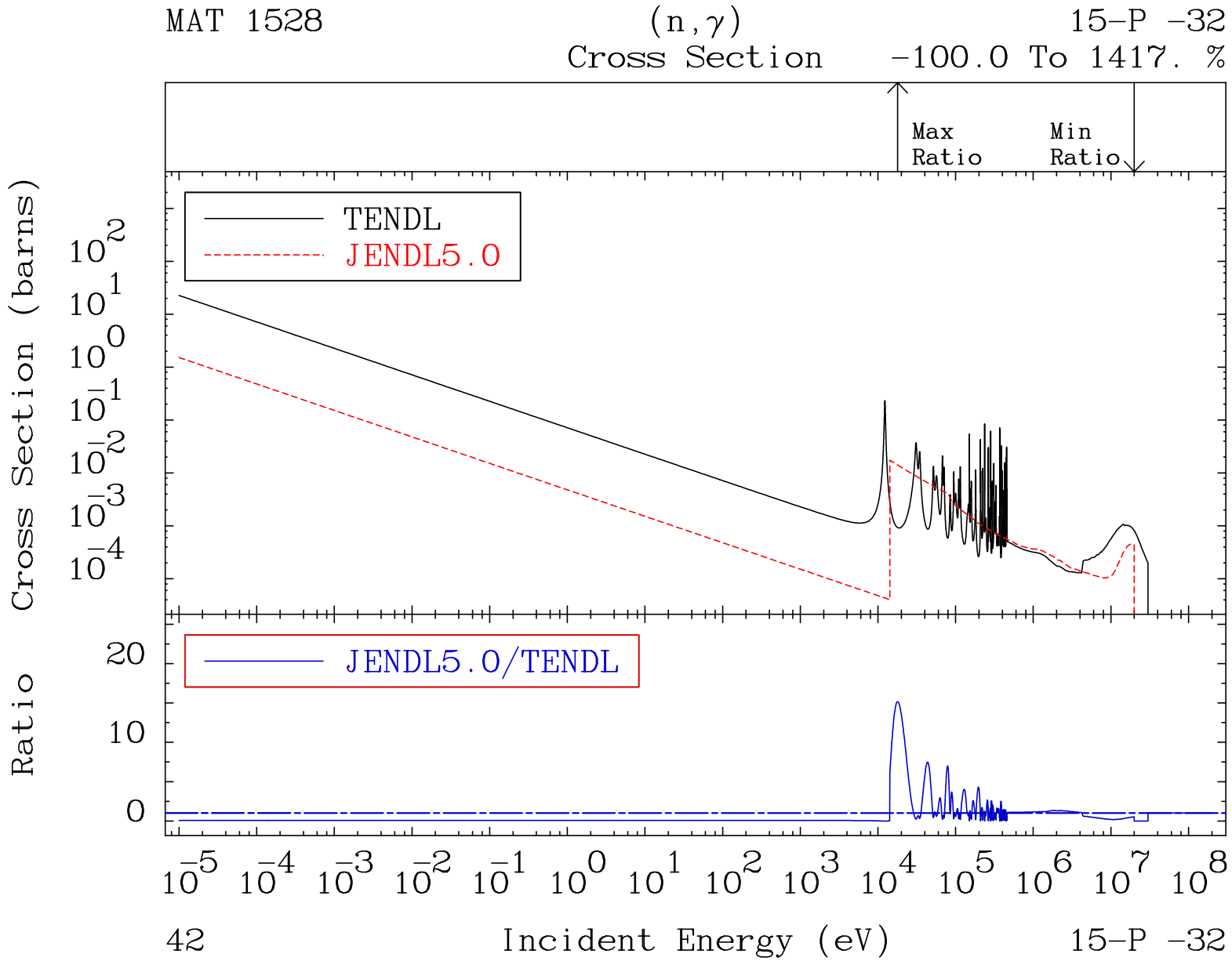

MAT 1528
MT= 77 (n,n') Level
15-P -32
Cross Section -100.0 To 163.3 %
Max Ratio
Min Ratio
TENDL Threshold 4.1619 MeV
JENDL5.0 Threshold 4.1619 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
15-P -32

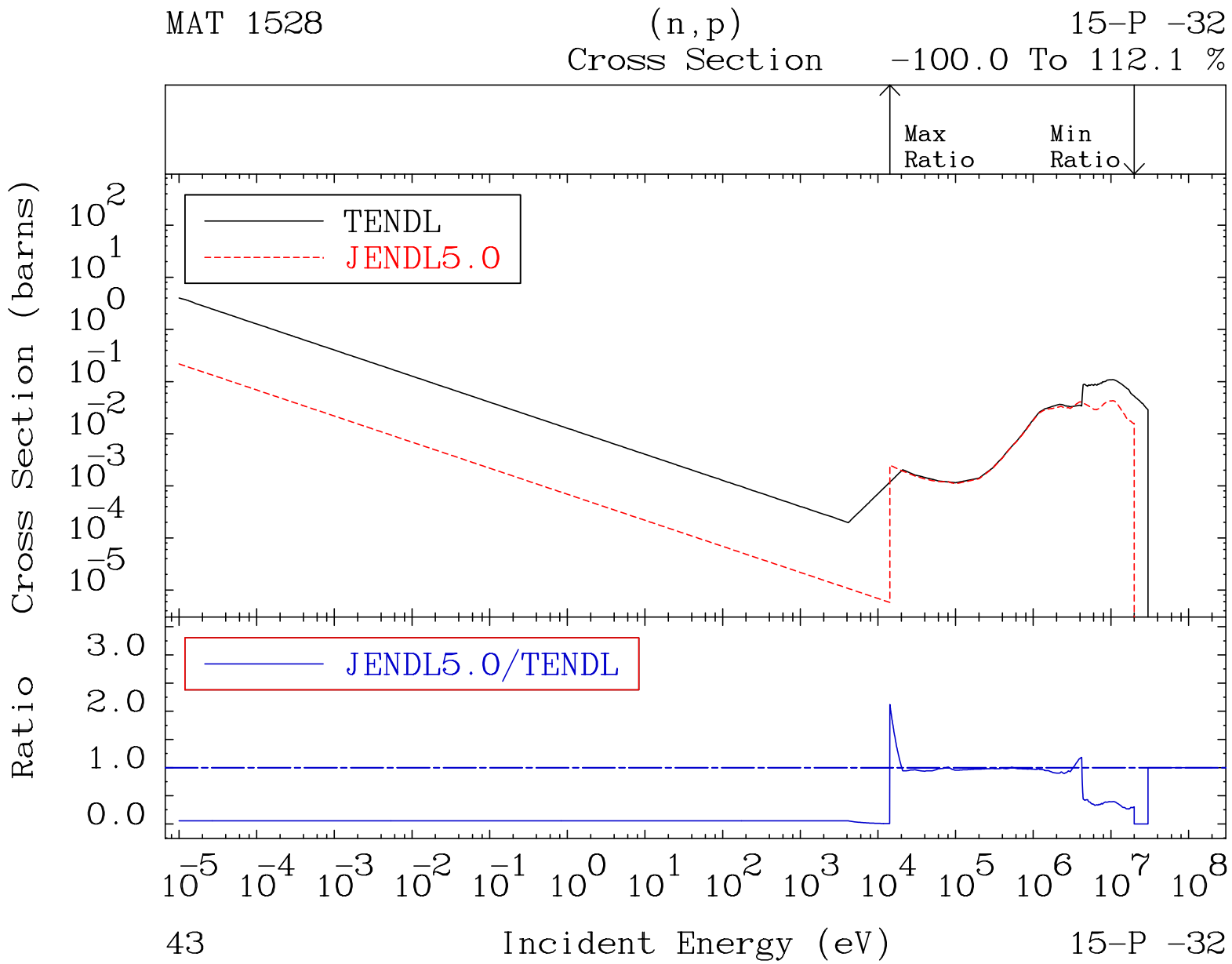

MAT 1528
MT= 78 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.2213 MeV
JENDL5.0 Threshold 4.1629 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
15-P -32

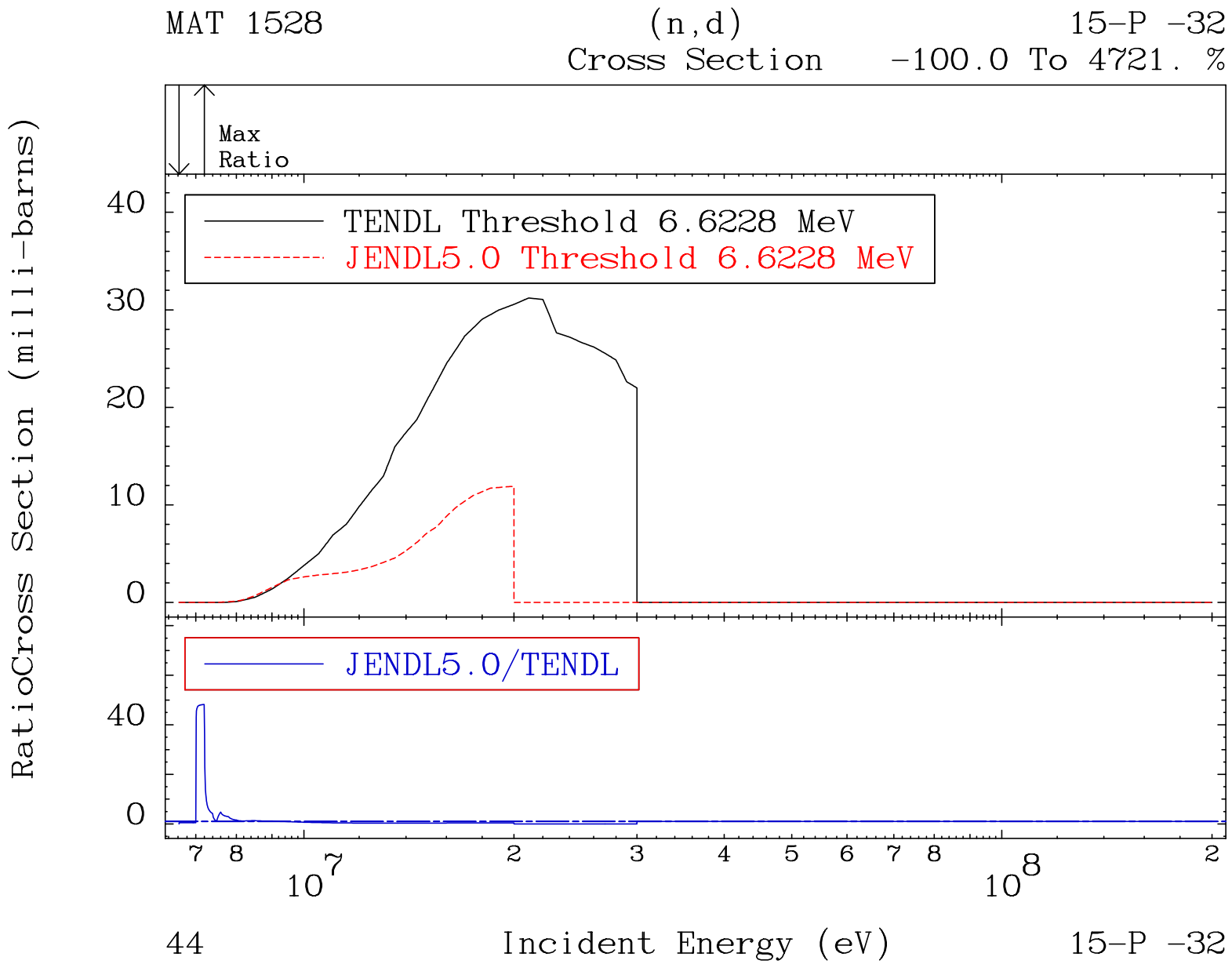

MAT 1528
MT= 79 (n,n') Level
15-P -32
Cross Section -100.0 To 1505. %
Max Ratio
Min Ratio
TENDL Threshold 4.2797 MeV
JENDL5.0 Threshold 4.2797 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
15-P -32

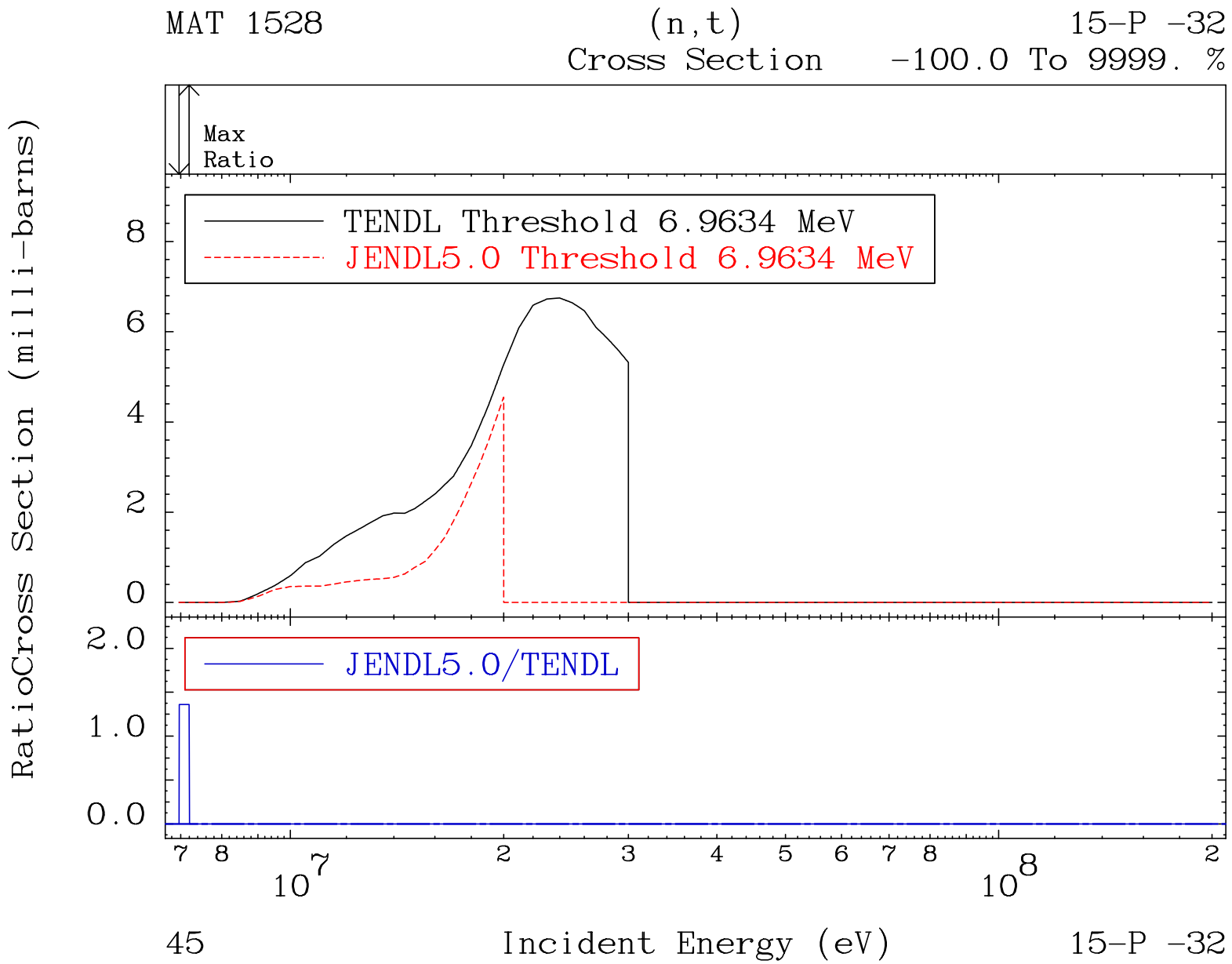

MAT 1528
MT= 80 (n,n') Level
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.3369 MeV
JENDL5.0 Threshold 4.3369 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
15-P -32

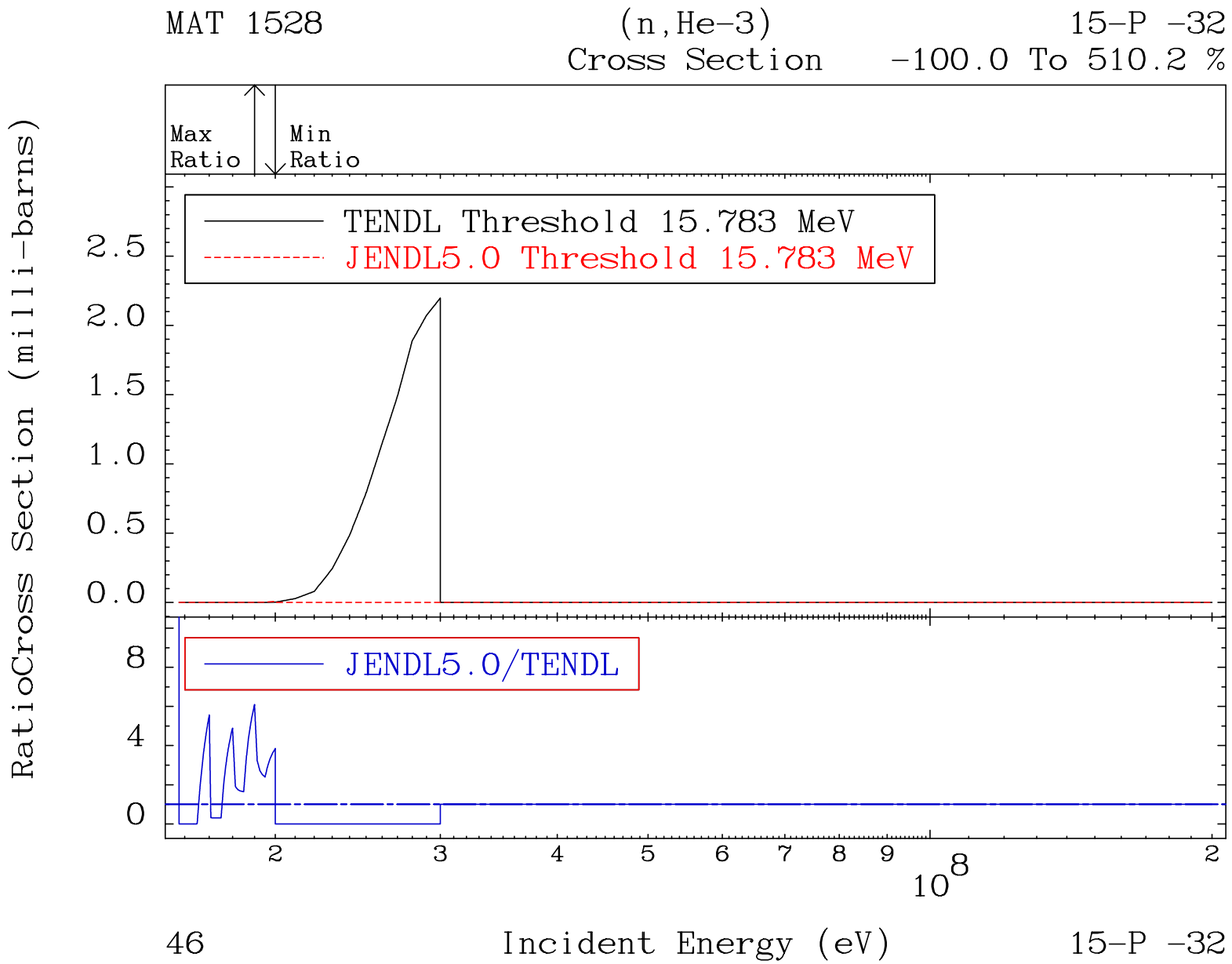

MAT 1528
(n,n') Continuum
Cross Section
15-P -32
-100.0 To 7.385 %
Max Ratio
Min Ratio
TENDL Threshold 4.3369 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
41
Incident Energy (eV)
15-P -32

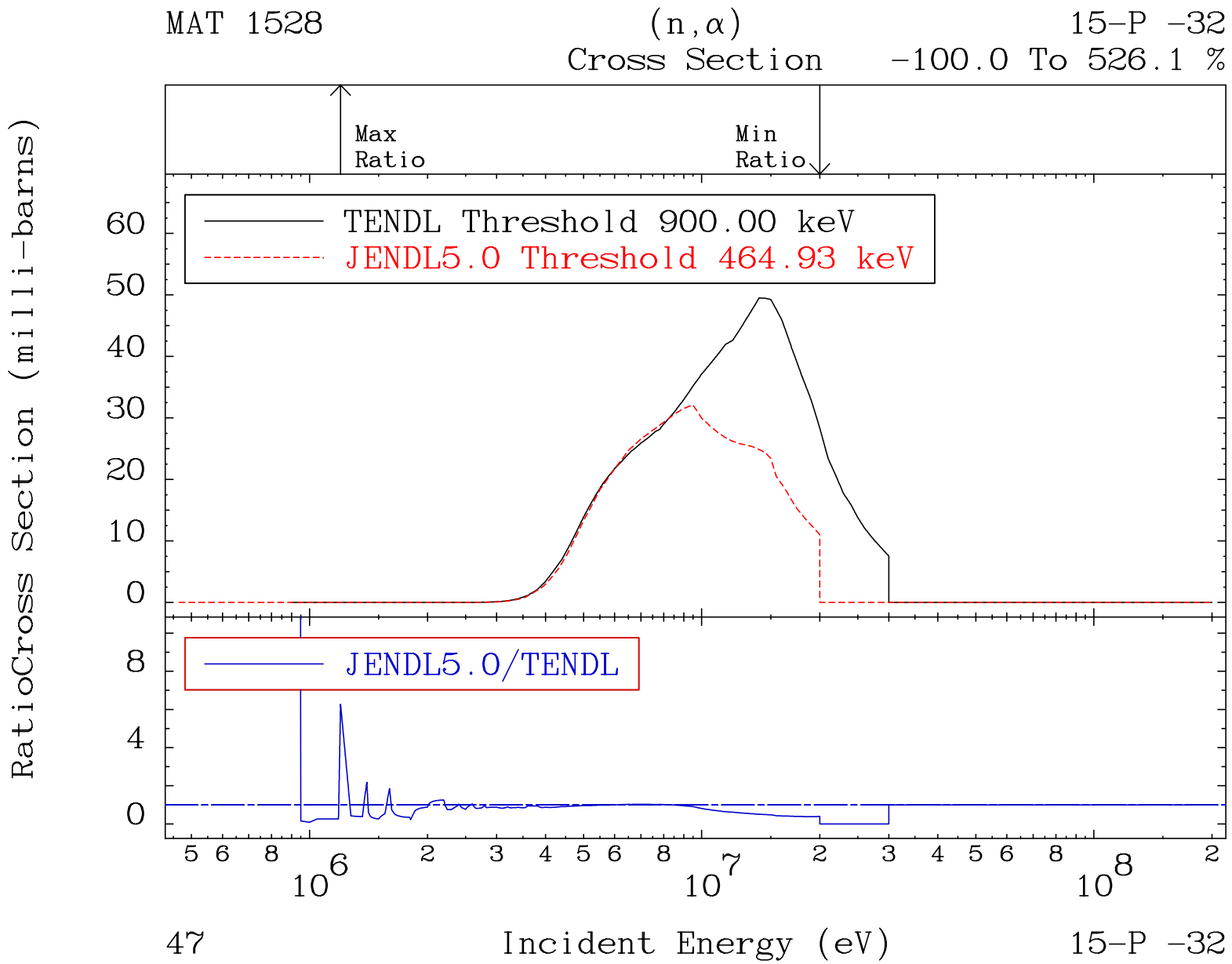

MAT 1528
(n,γ)
Cross Section
15-P -32
-100.0 To 1417. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
15-P -32

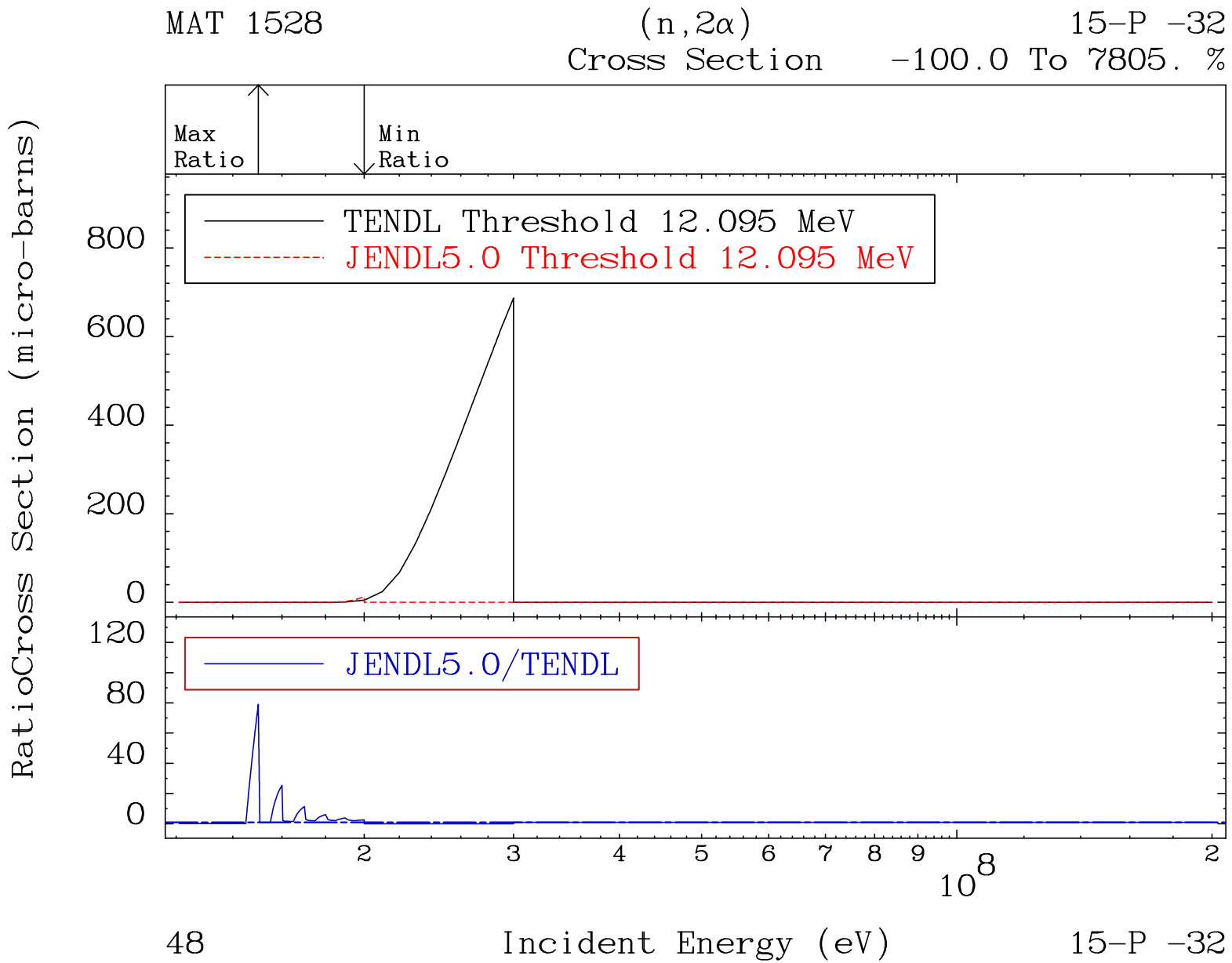

MAT 1528
(n,p)
Cross Section
15-P -32
-100.0 To 112.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
15-P -32

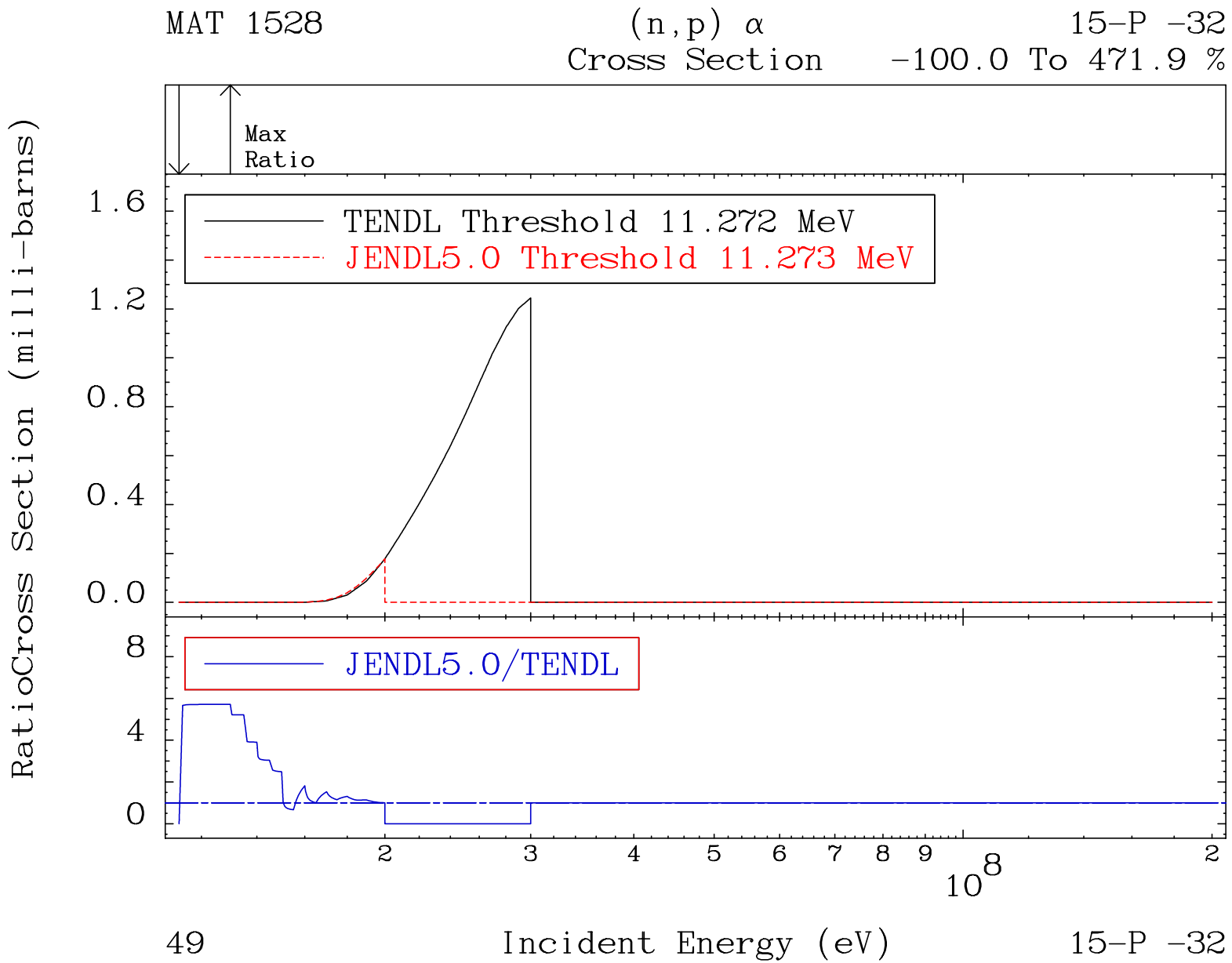

MAT 1528
(n,d)
15-P -32
Cross Section
-100.0 To 4721. %
Max
Ratio
TENDL Threshold 6.6228 MeV
JENDL5.0 Threshold 6.6228 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
40
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
15-P -32

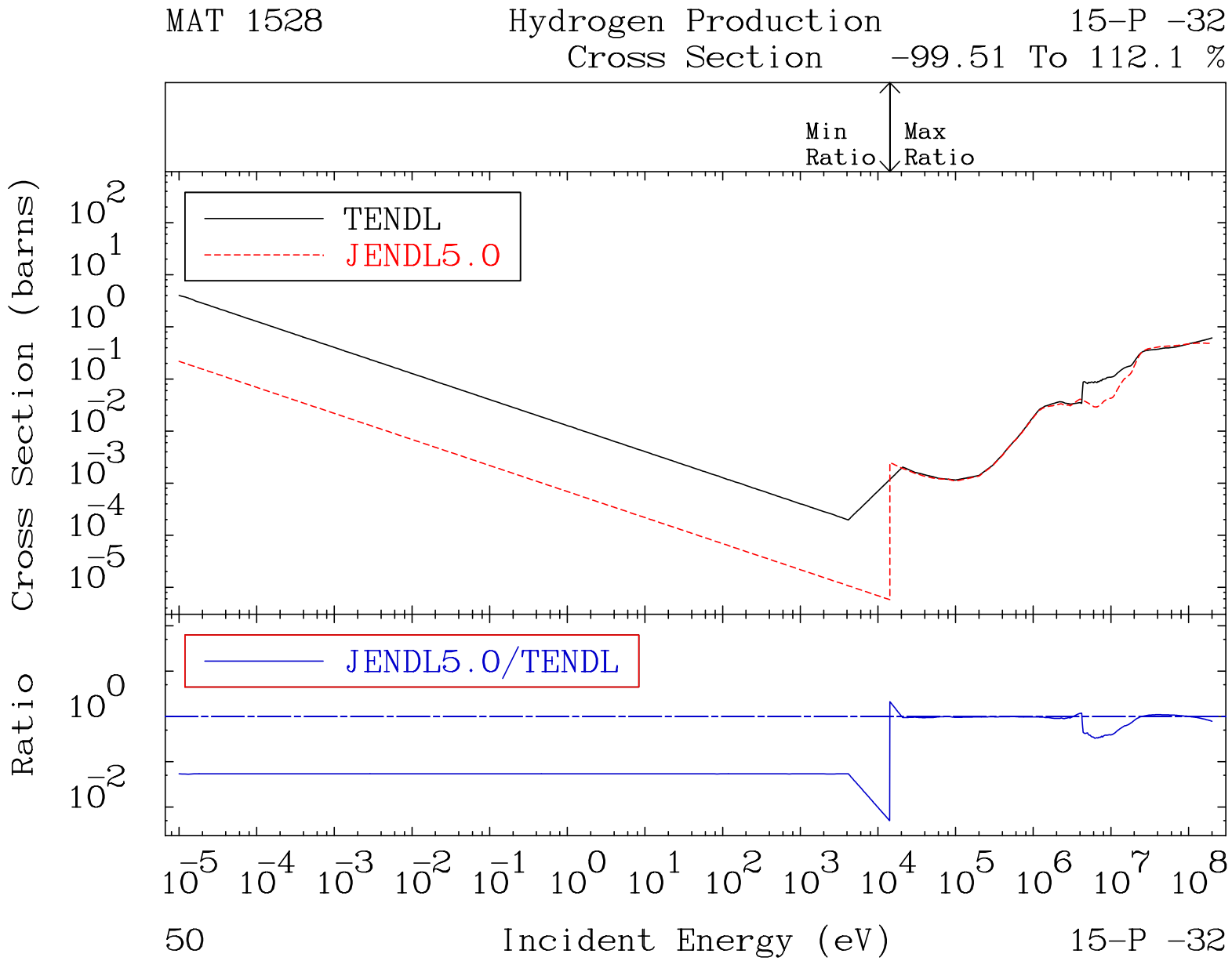

MAT 1528
(n,t)
15-P -32
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.9634 MeV
JENDL5.0 Threshold 6.9634 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
2.0
1.0
0.0
7
8
10^7
2
3
4
5
6
7
8
10^8
2
45
Incident Energy (eV)
15-P -32

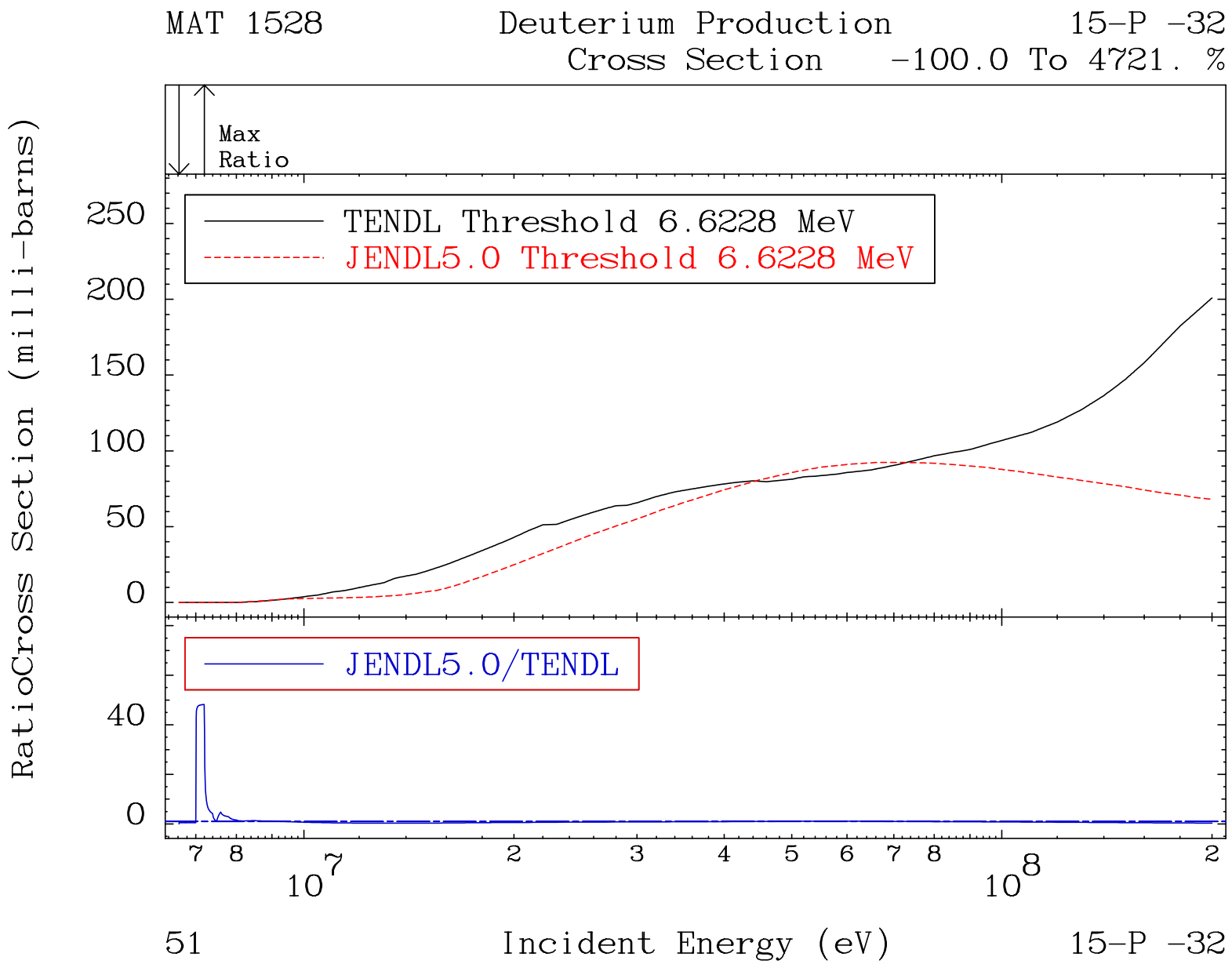

MAT 1528
(n,He-3)
Cross Section
15-P -32
-100.0 To 510.2 %
Max Ratio
Min Ratio
TENDL Threshold 15.783 MeV
JENDL5.0 Threshold 15.783 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
15-P -32

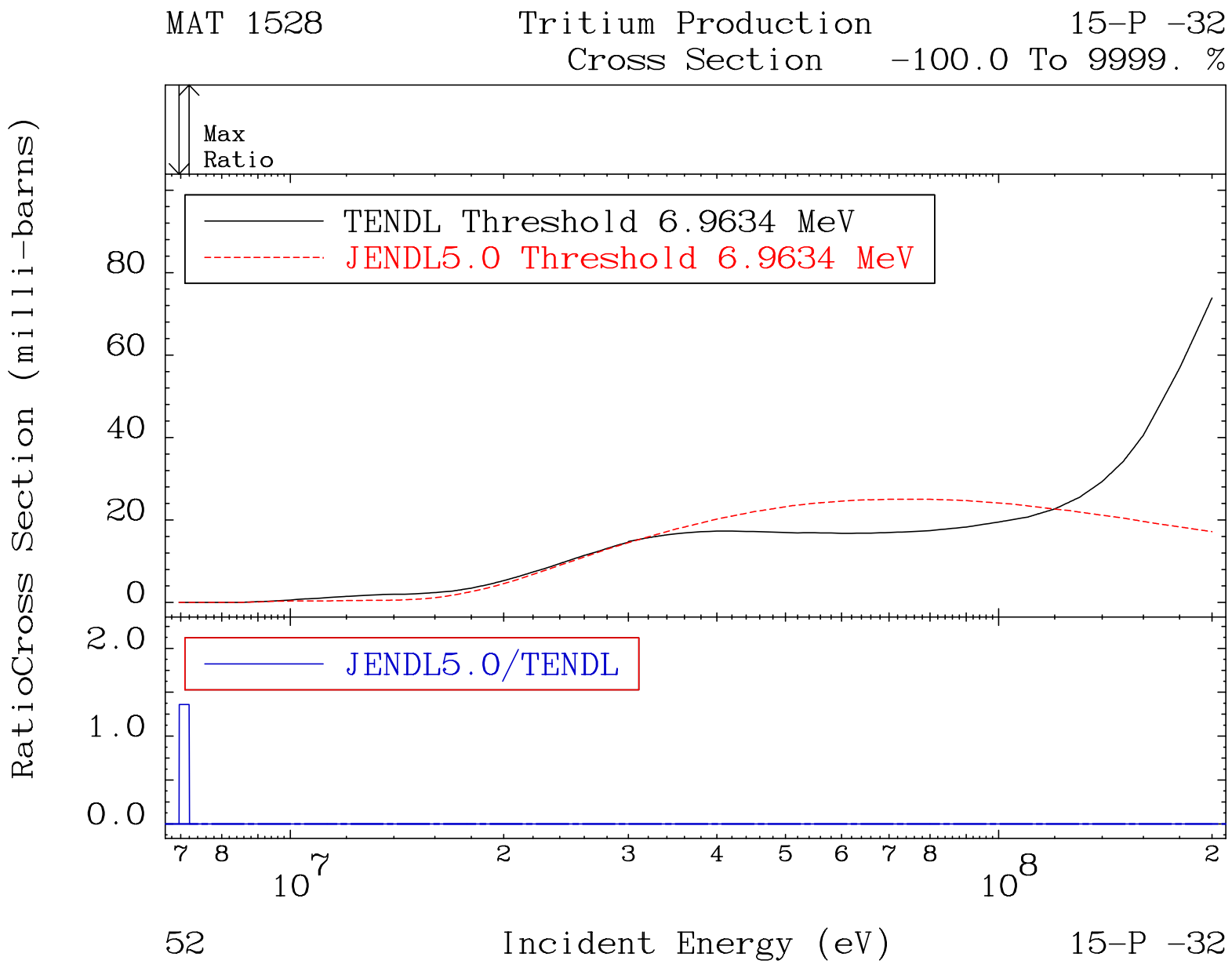

MAT 1528
(n,α)
Cross Section
15-P -32
-100.0 To 526.1 %
Max Ratio
Min Ratio
TENDL Threshold 900.00 keV
JENDL5.0 Threshold 464.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
47
15-P -32

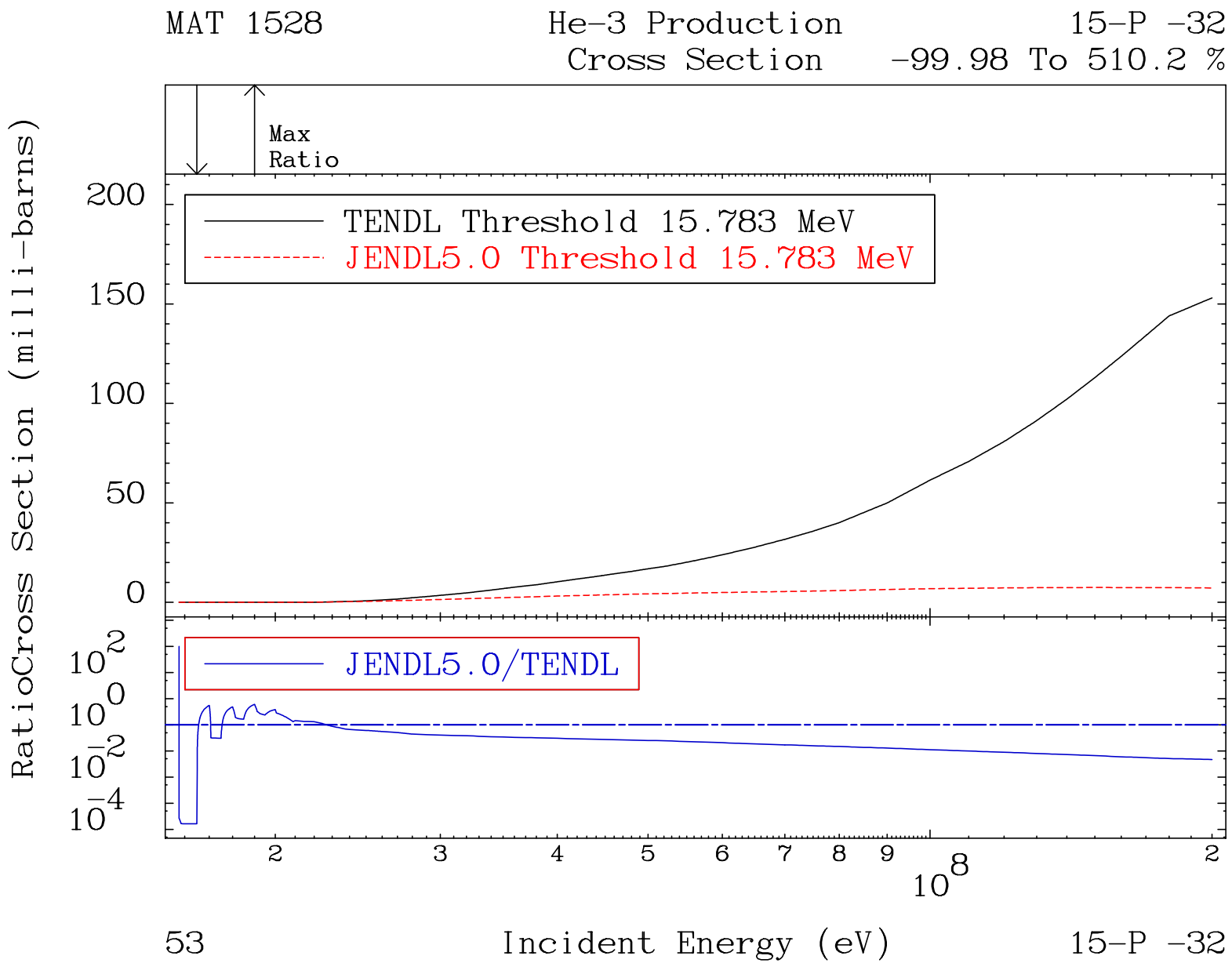

MAT 1528
(n,2α)
15-P -32
Cross Section
-100.0 To 7805. %
Max Ratio
Min Ratio
TENDL Threshold 12.095 MeV
JENDL5.0 Threshold 12.095 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
120
80
40
0
2
3
4
5
6
7
8
9
2
10^8
48
Incident Energy (eV)
15-P -32

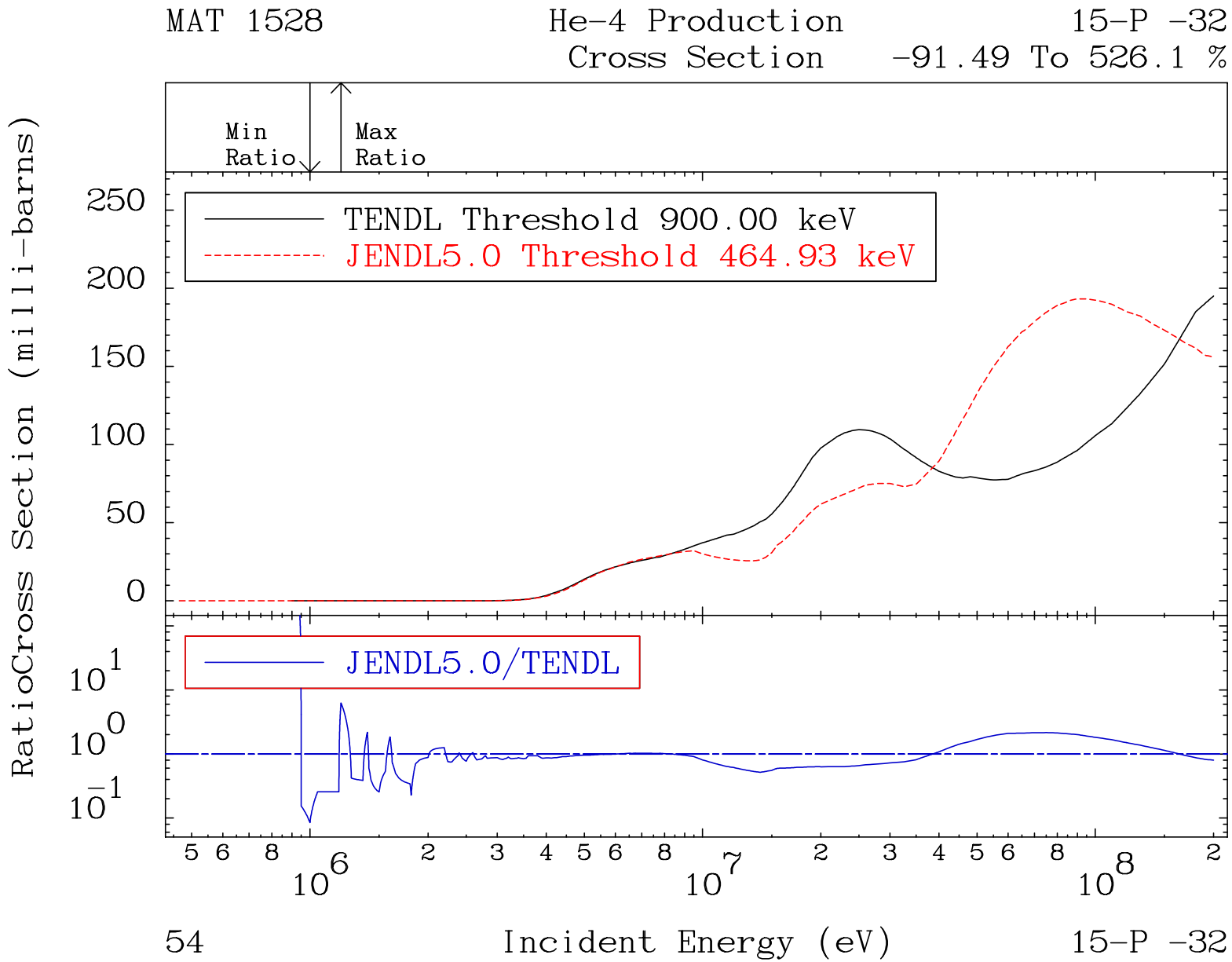

MAT 1528
(n,p) α
15-P -32
Cross Section
-100.0 To 471.9 %
Max
Ratio
TENDL Threshold 11.272 MeV
JENDL5.0 Threshold 11.273 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
15-P -32

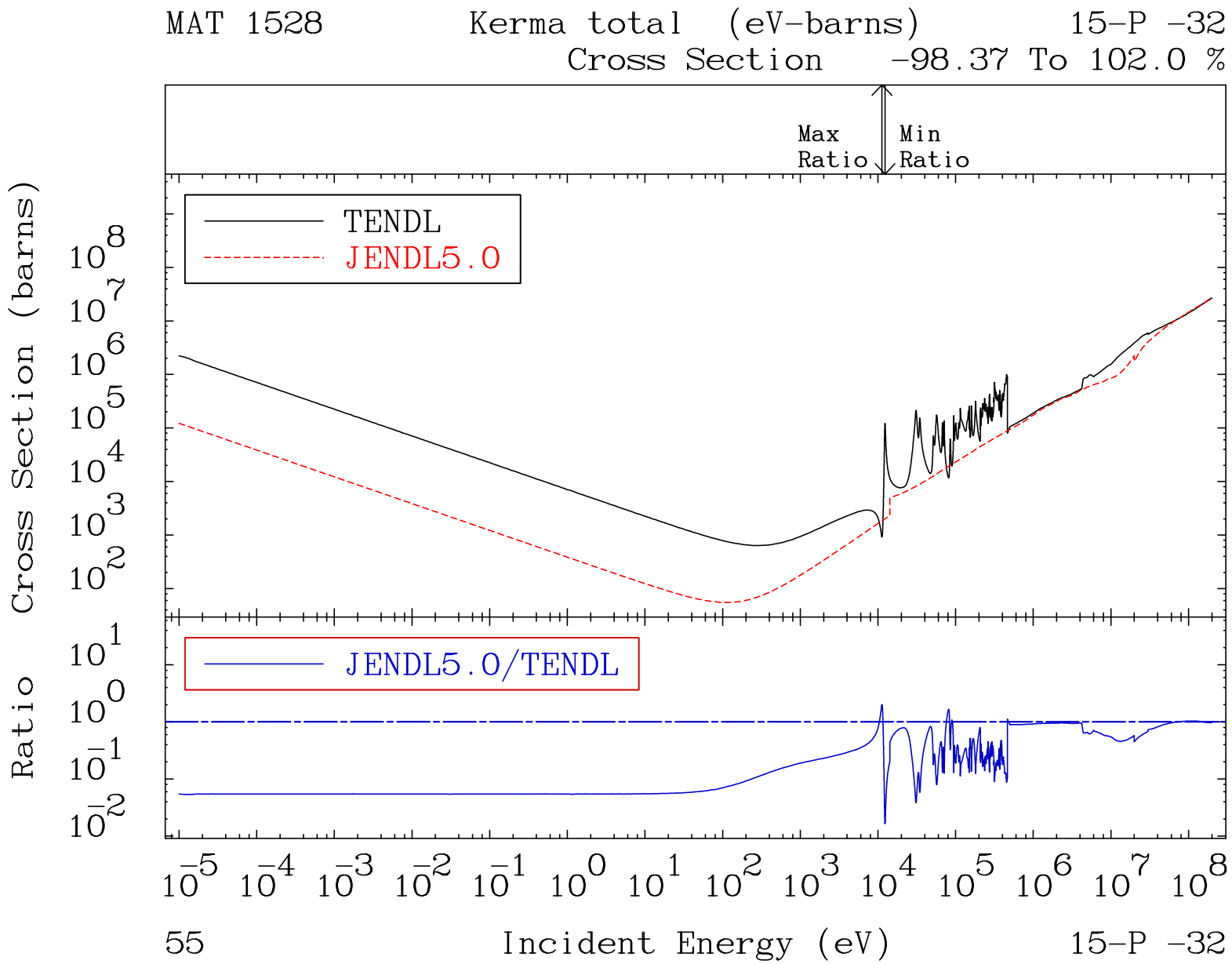

MAT 1528
Hydrogen Production
15-P -32
Cross Section
-99.51 To 112.1 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
15-P -32

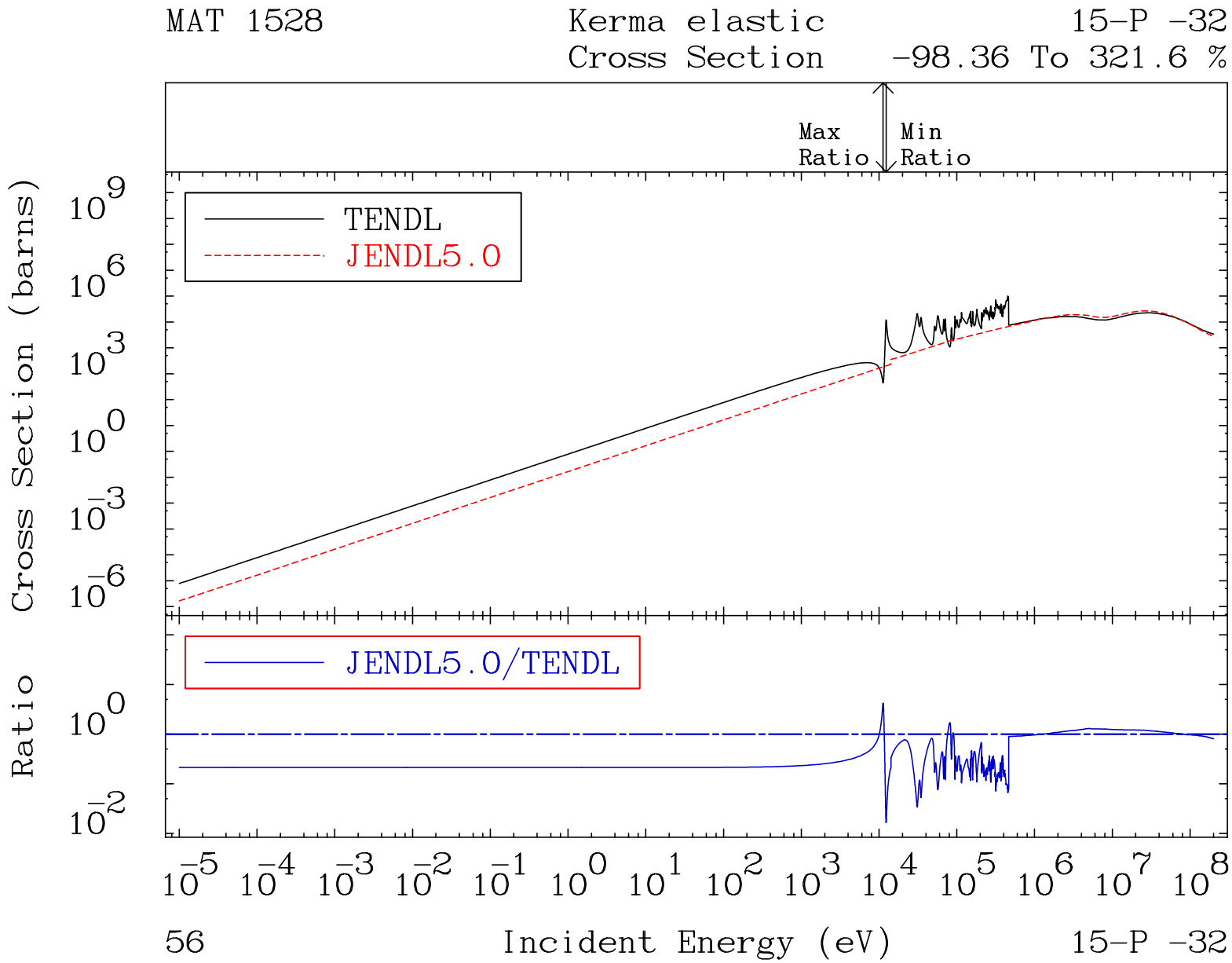

MAT 1528
Deuterium Production
15-P -32
Cross Section -100.0 To 4721. %
Max
Ratio
TENDL Threshold 6.6228 MeV
JENDL5.0 Threshold 6.6228 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
51
Incident Energy (eV)
15-P -32

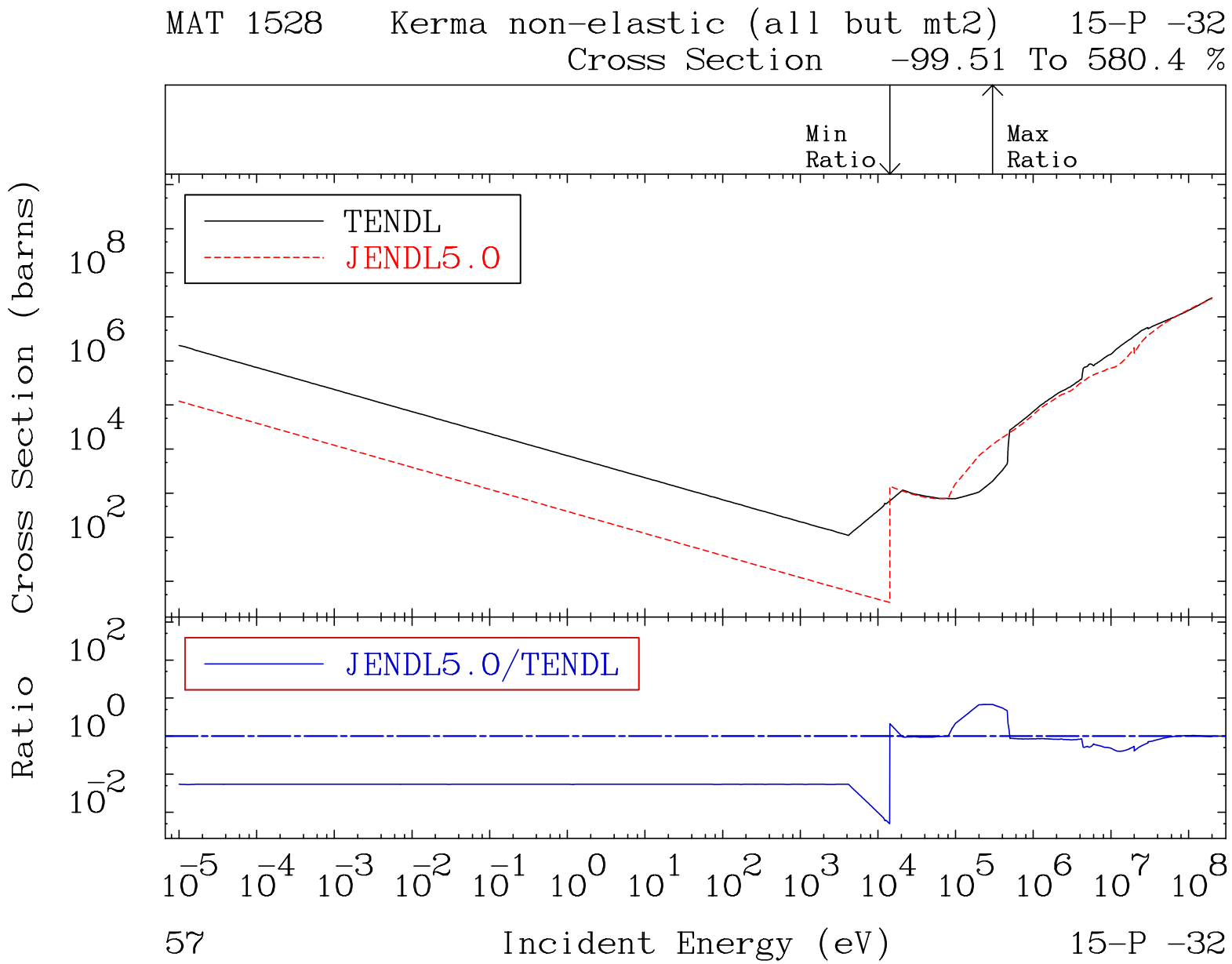

MAT 1528
Tritium Production
15-P -32
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.9634 MeV
JENDL5.0 Threshold 6.9634 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
7
8
10^7
2
3
4
5
6
7
8
10^8
2
52
Incident Energy (eV)
15-P -32

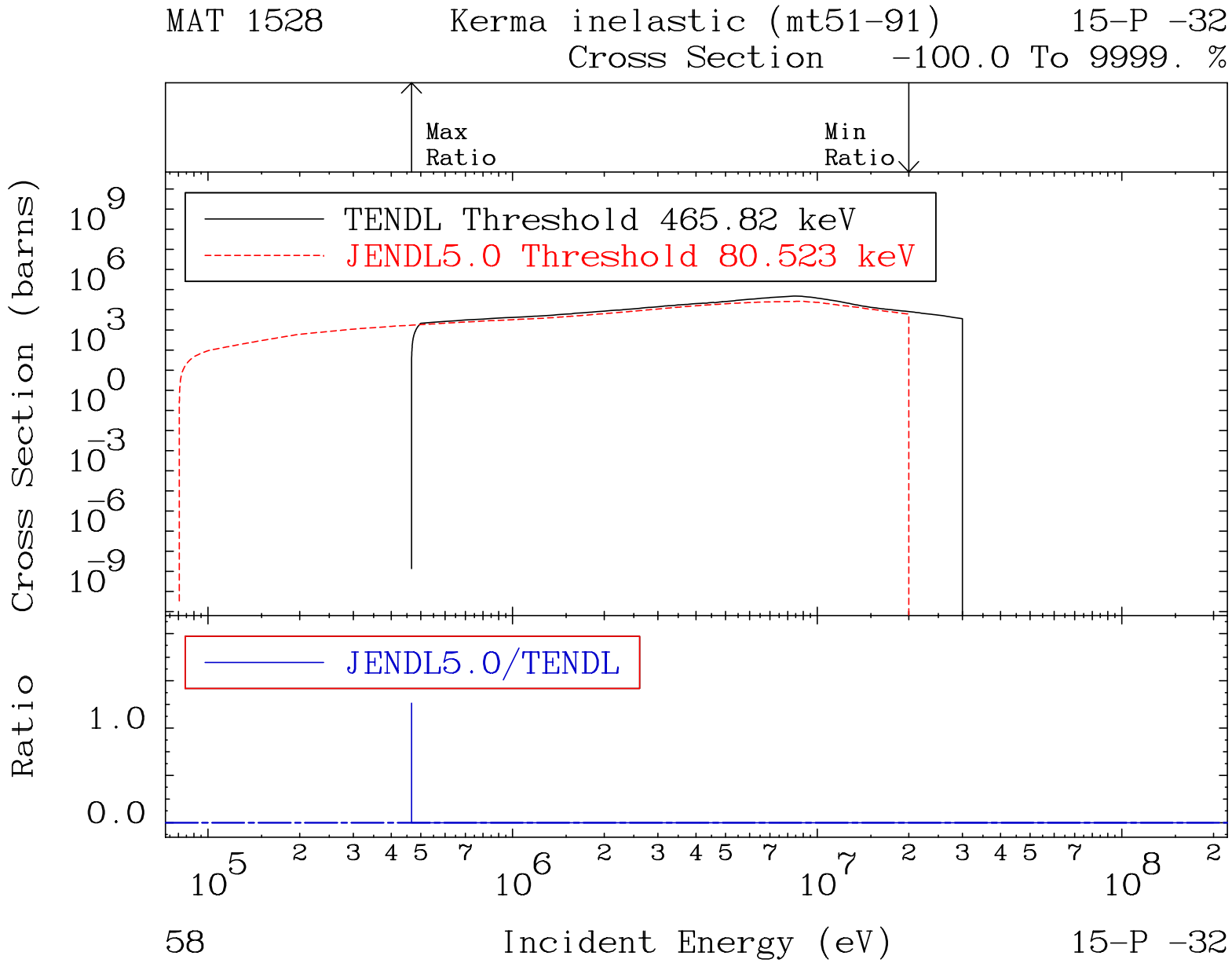

MAT 1528
He-3 Production
Cross Section
15-P -32
-99.98 To 510.2 %
Max
Ratio
TENDL Threshold 15.783 MeV
JENDL5.0 Threshold 15.783 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^{2}
10^{0}
10^{-2}
10^{-4}
2
3
4
5
6
7
8
9
10^{8}
2
53
Incident Energy (eV)
15-P -32

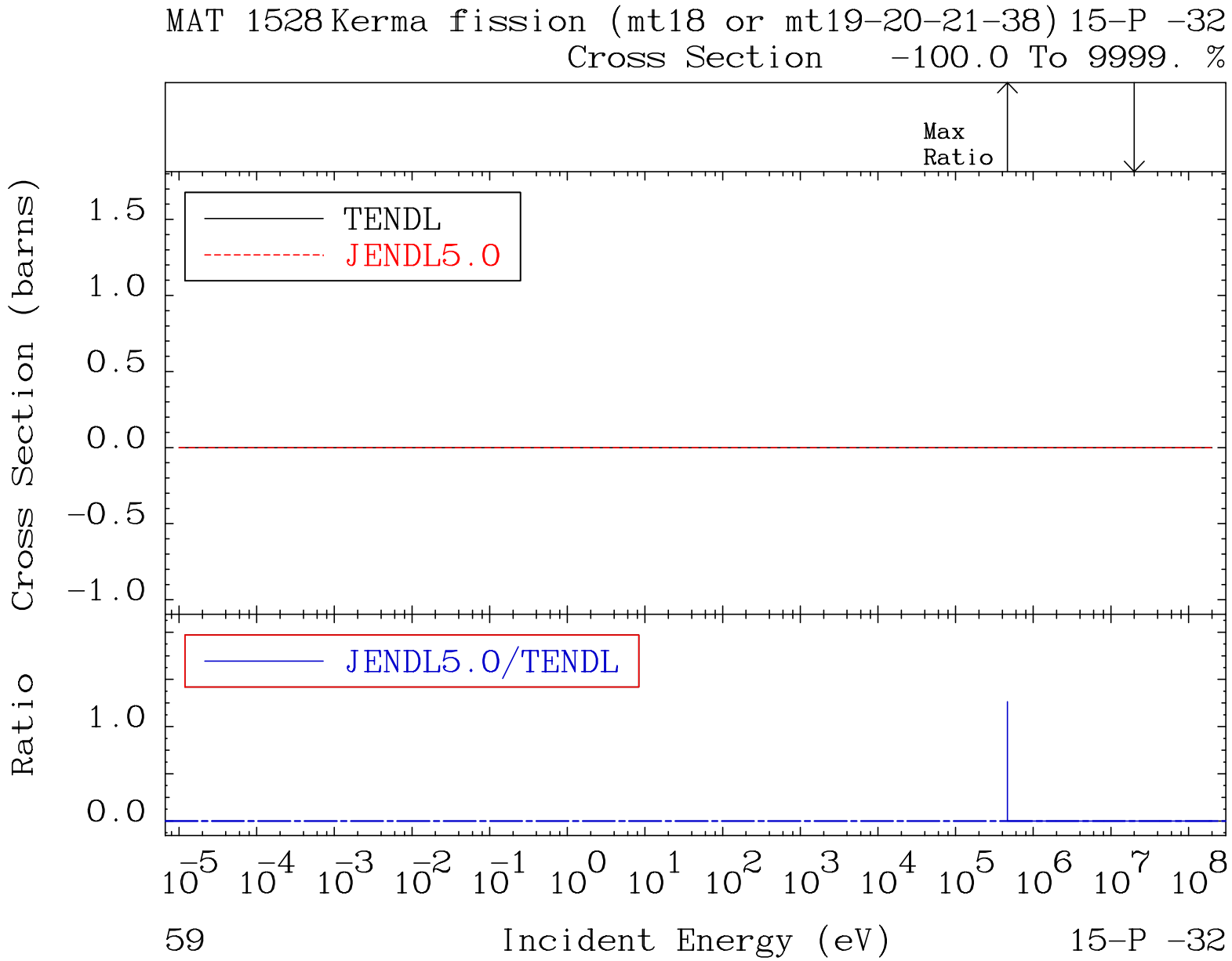

MAT 1528
He-4 Production
Cross Section
15-P -32
-91.49 To 526.1 %
Min Ratio
Max Ratio
TENDL Threshold 900.00 keV
JENDL5.0 Threshold 464.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^1
10^0
10^-1
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
54
Incident Energy (eV)
15-P -32

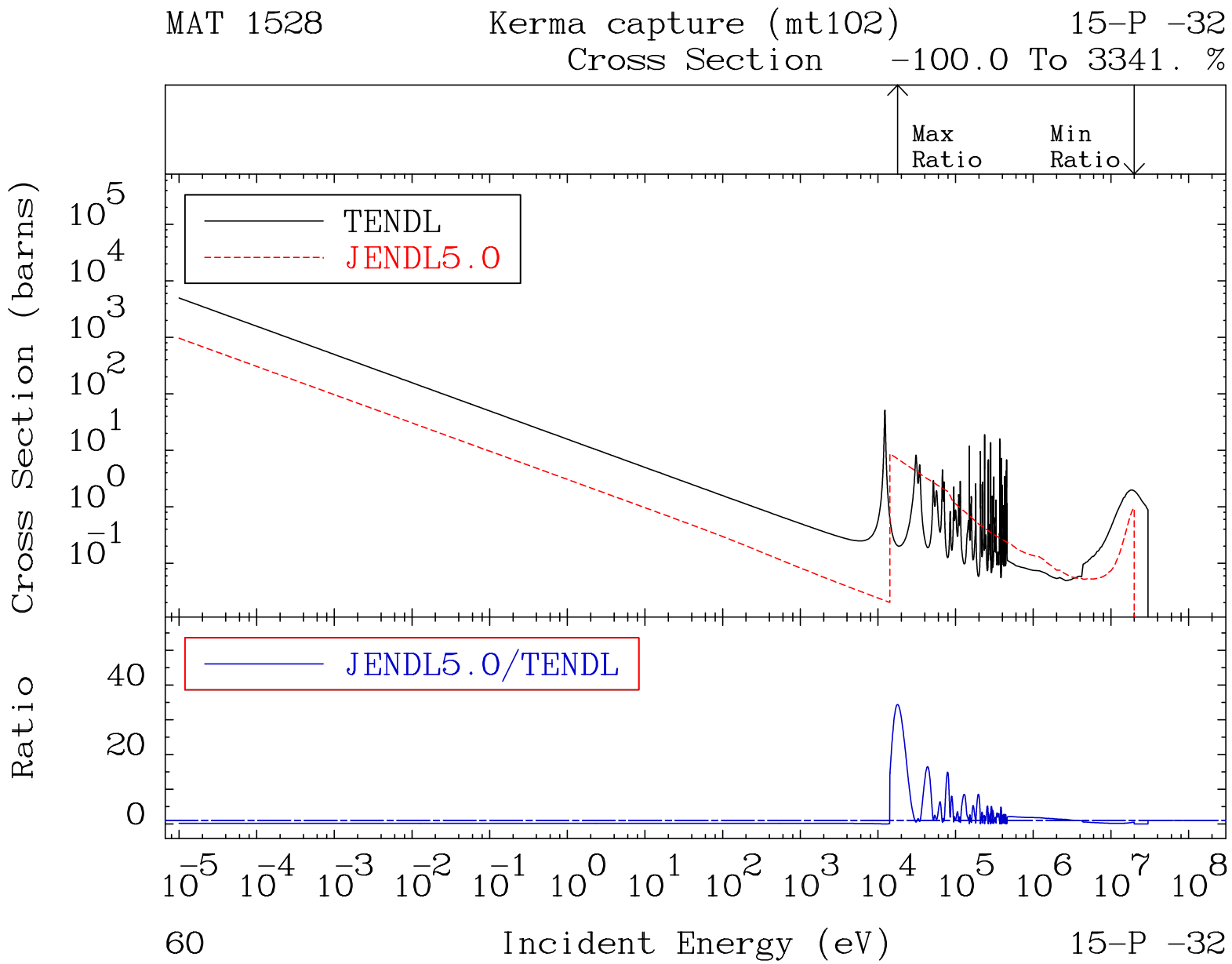

MAT 1528
Kerma total (eV-barns)
15-P -32
Cross Section -98.37 To 102.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
15-P -32

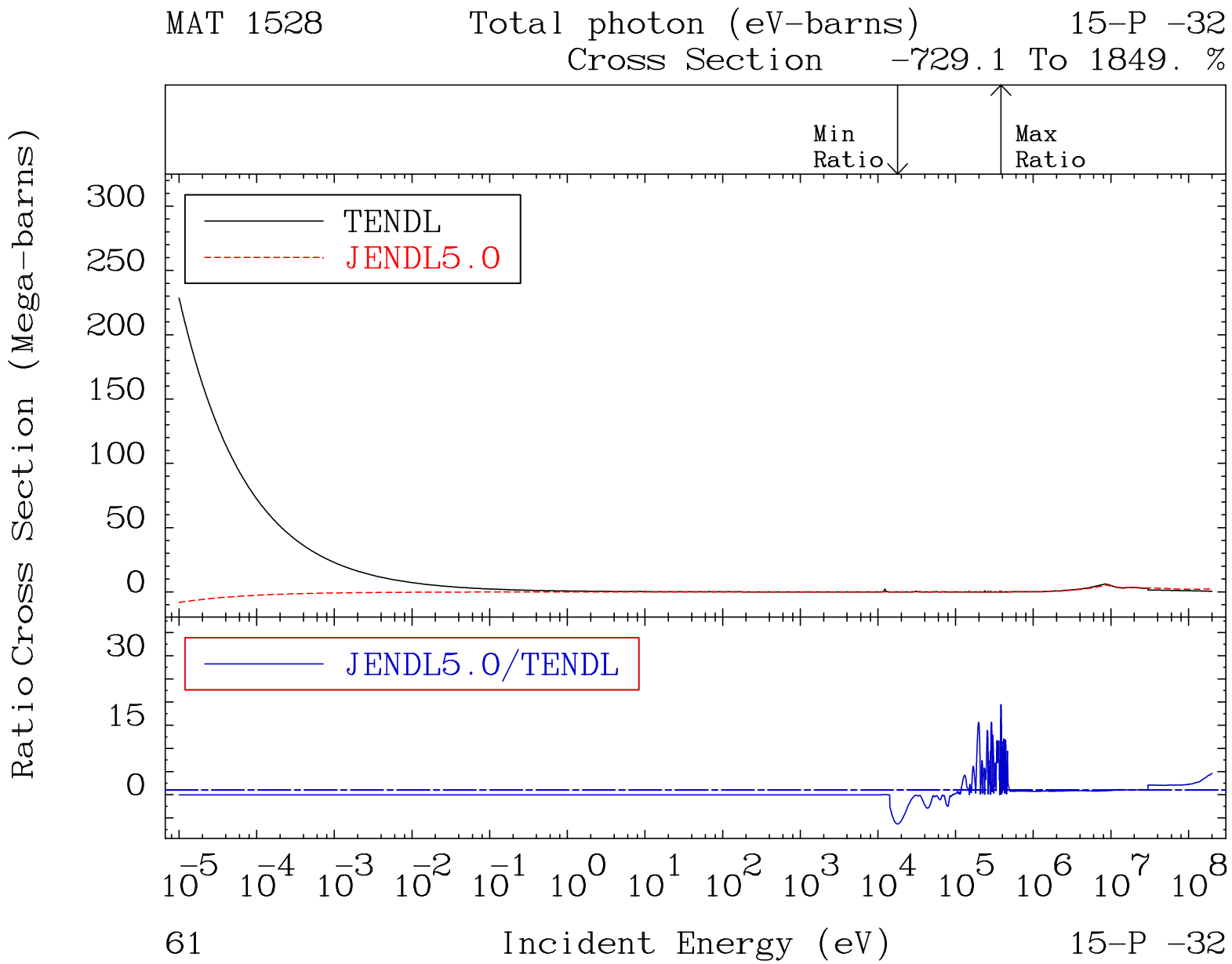

MAT 1528
Kerma elastic
Cross Section
15-P -32
-98.36 To 321.6 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
15-P -32

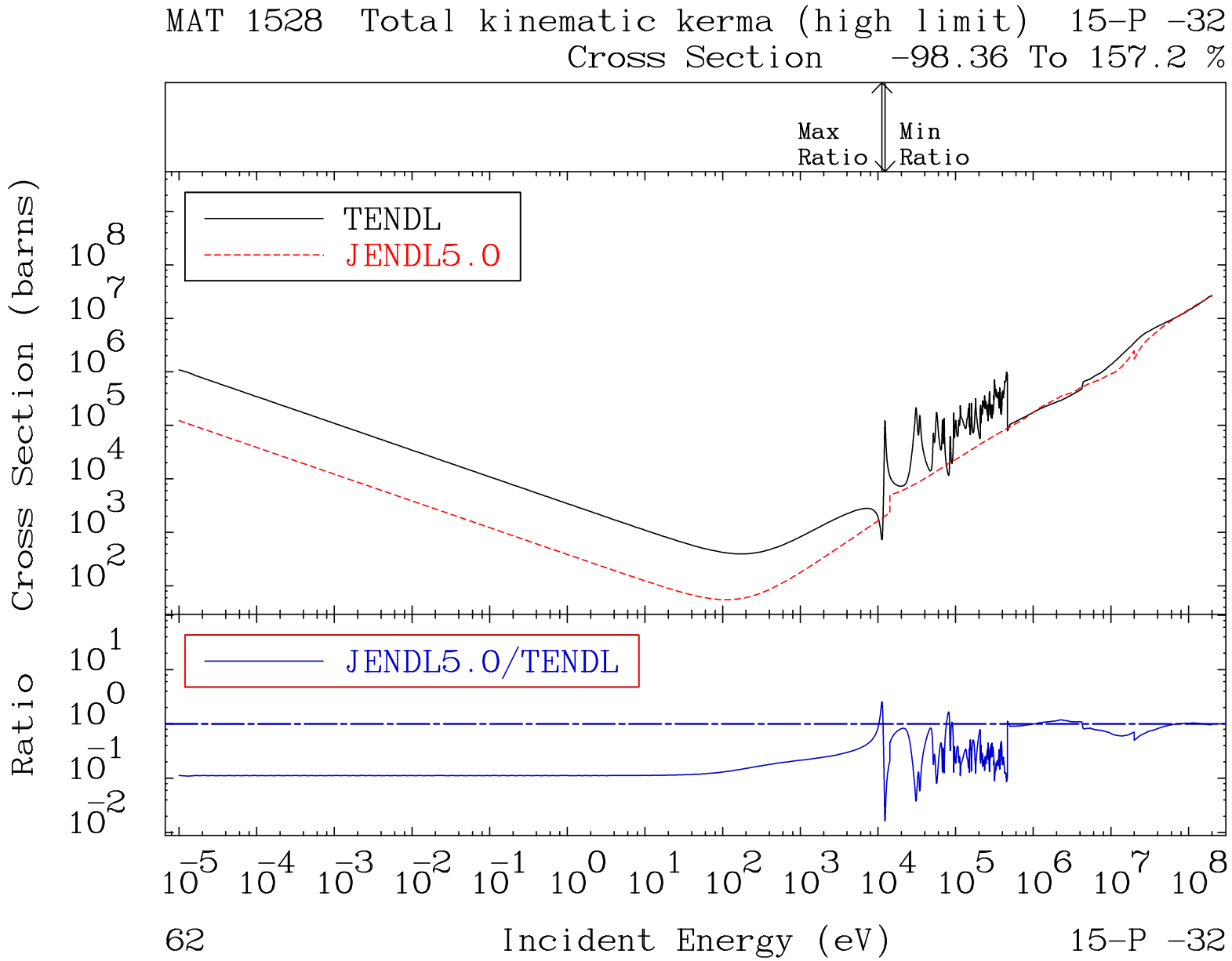

MAT 1528 Kerma non-elastic (all but mt2) 15-P -32
Cross Section -99.51 To 580.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
15-P -32

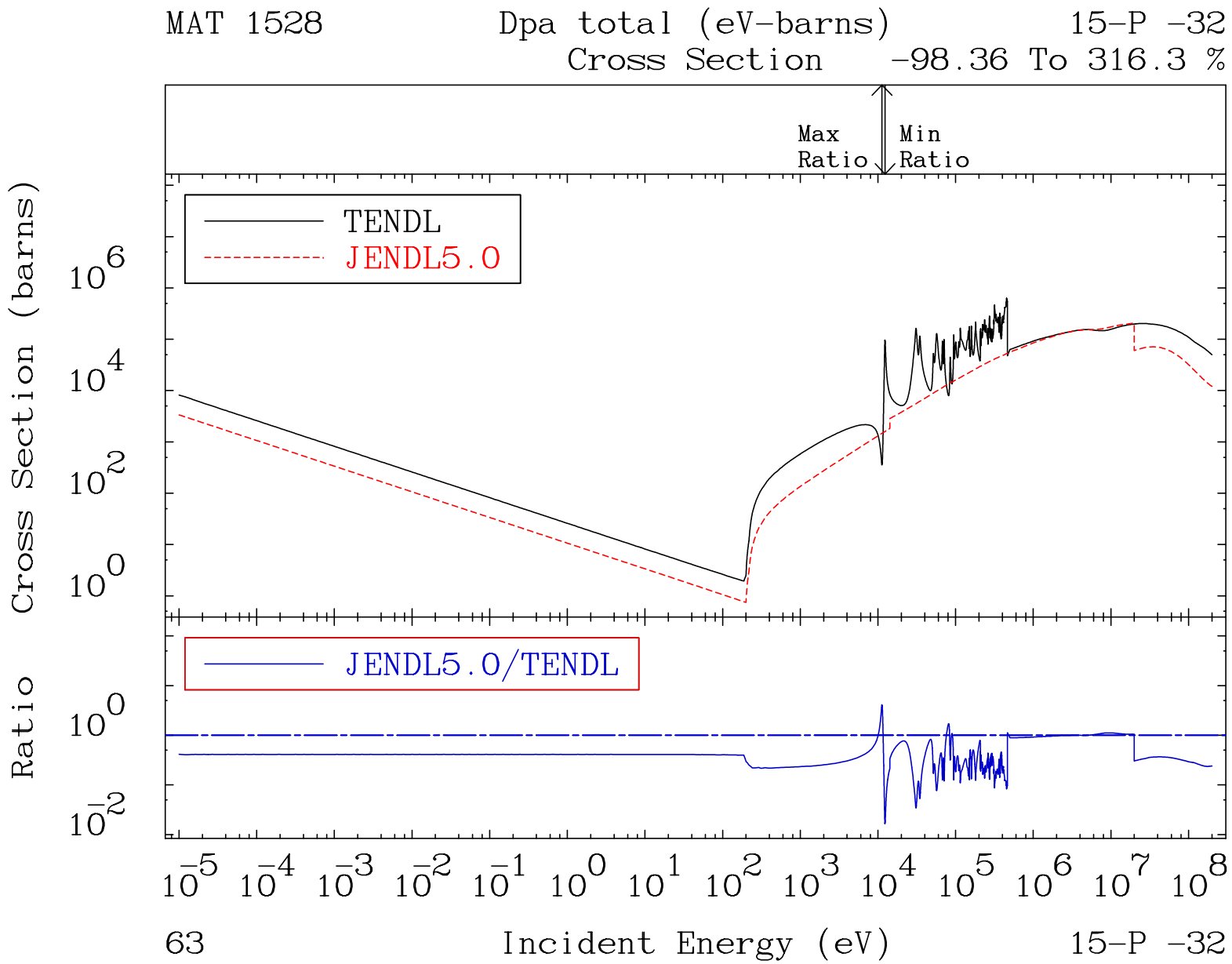

MAT 1528
Kerma inelastic (mt51-91)
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 465.82 keV
JENDL5.0 Threshold 80.523 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
58
15-P -32

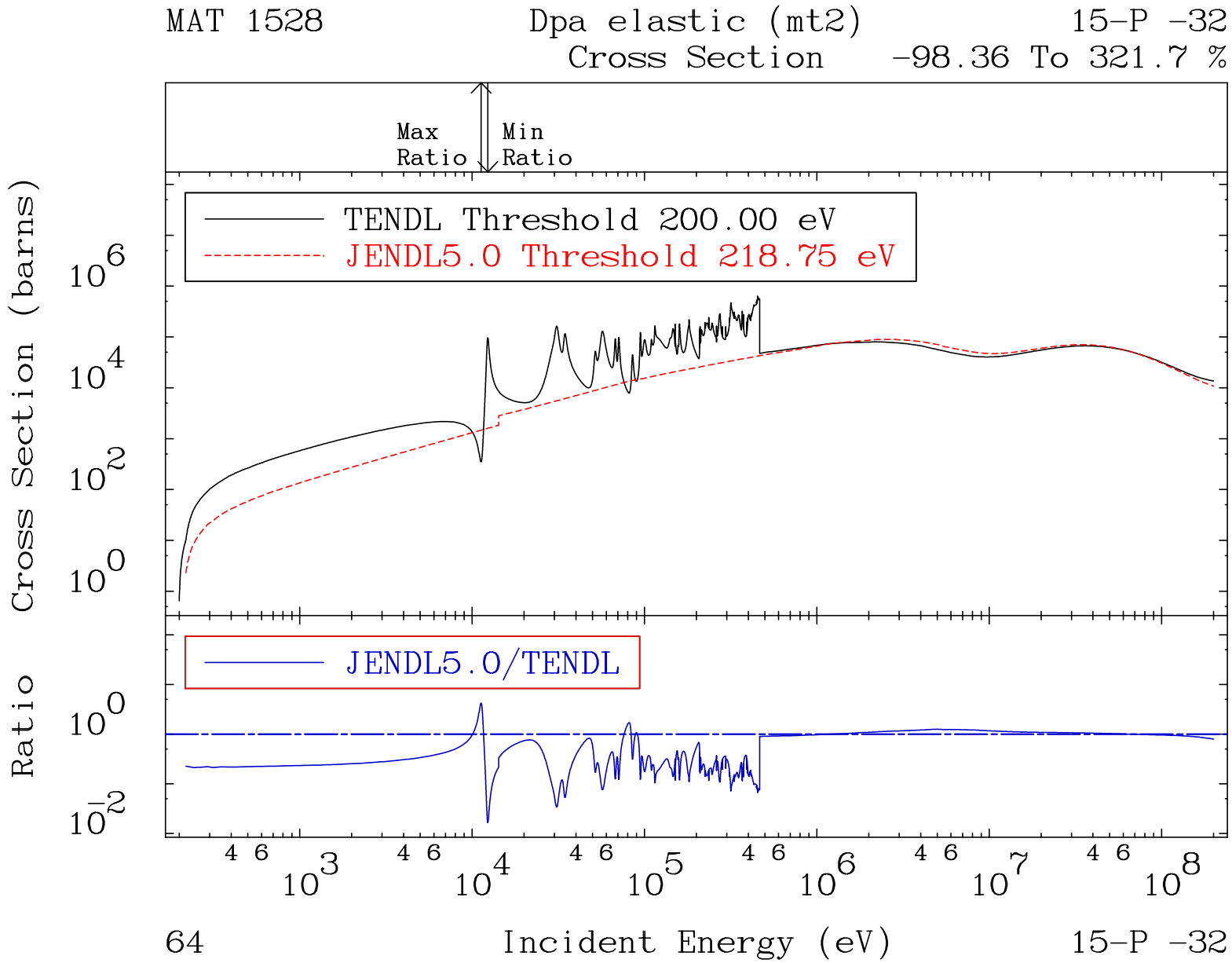

MAT 1528 Kerma fission (mt18 or mt19-20-21-38) 15-P -32
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
59
Incident Energy (eV)
15-P -32

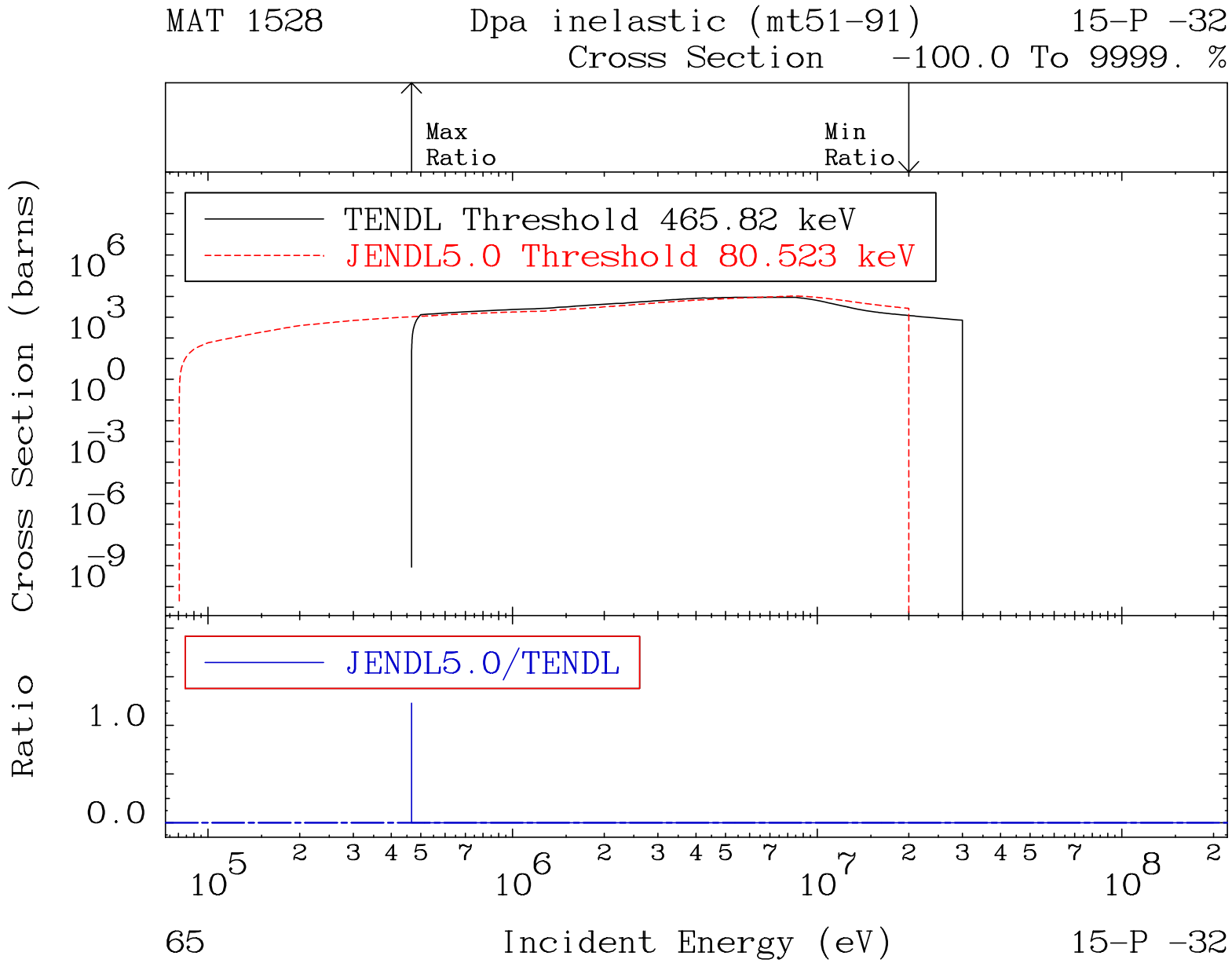

MAT 1528
Kerma capture (mt102)
15-P -32
Cross Section -100.0 To 3341. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
15-P -32

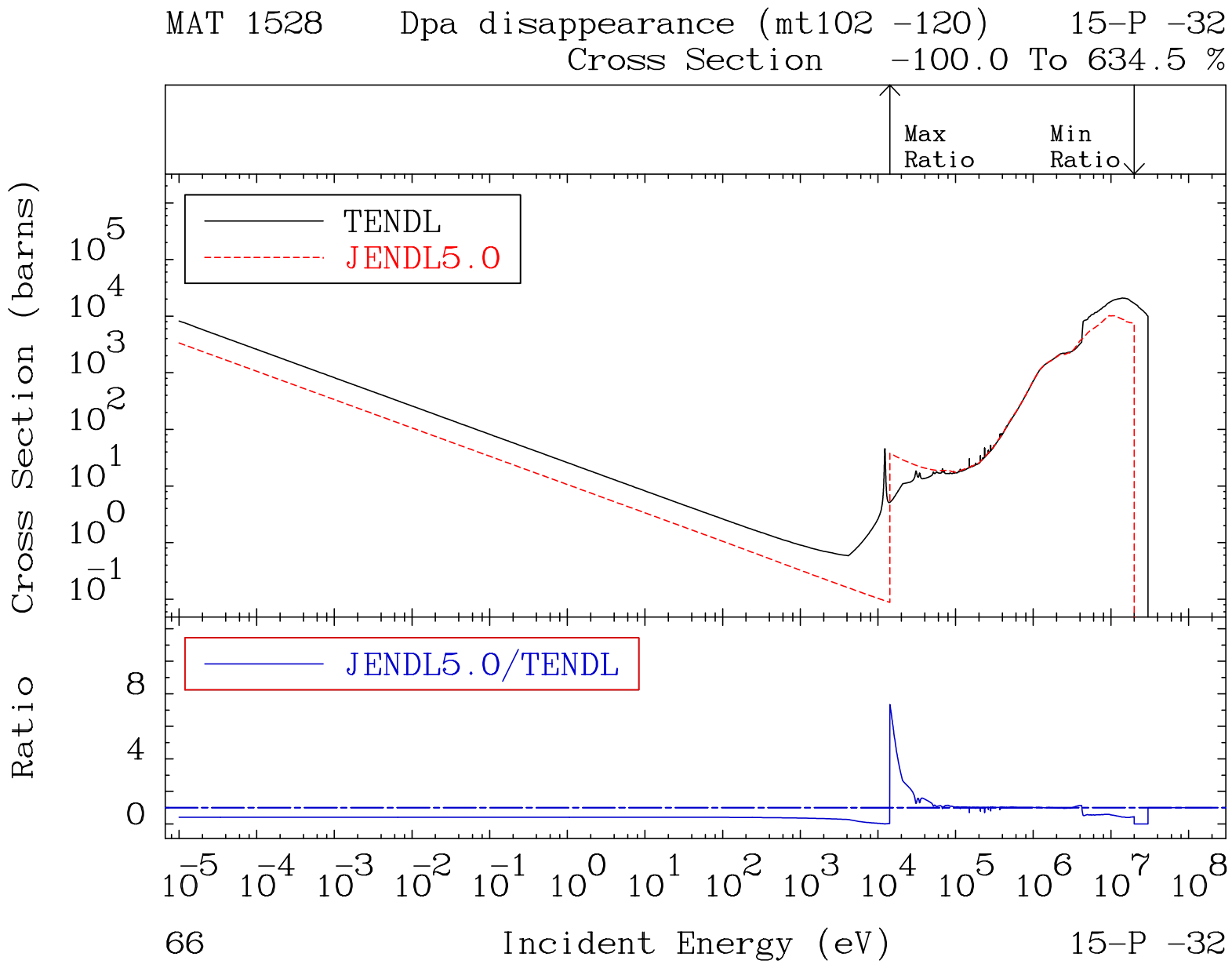

MAT 1528
Total photon (eV-barns)
15-P -32
Cross Section -729.1 To 1849. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
300
250
200
150
100
50
0
30
15
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
61
Incident Energy (eV)
15-P -32

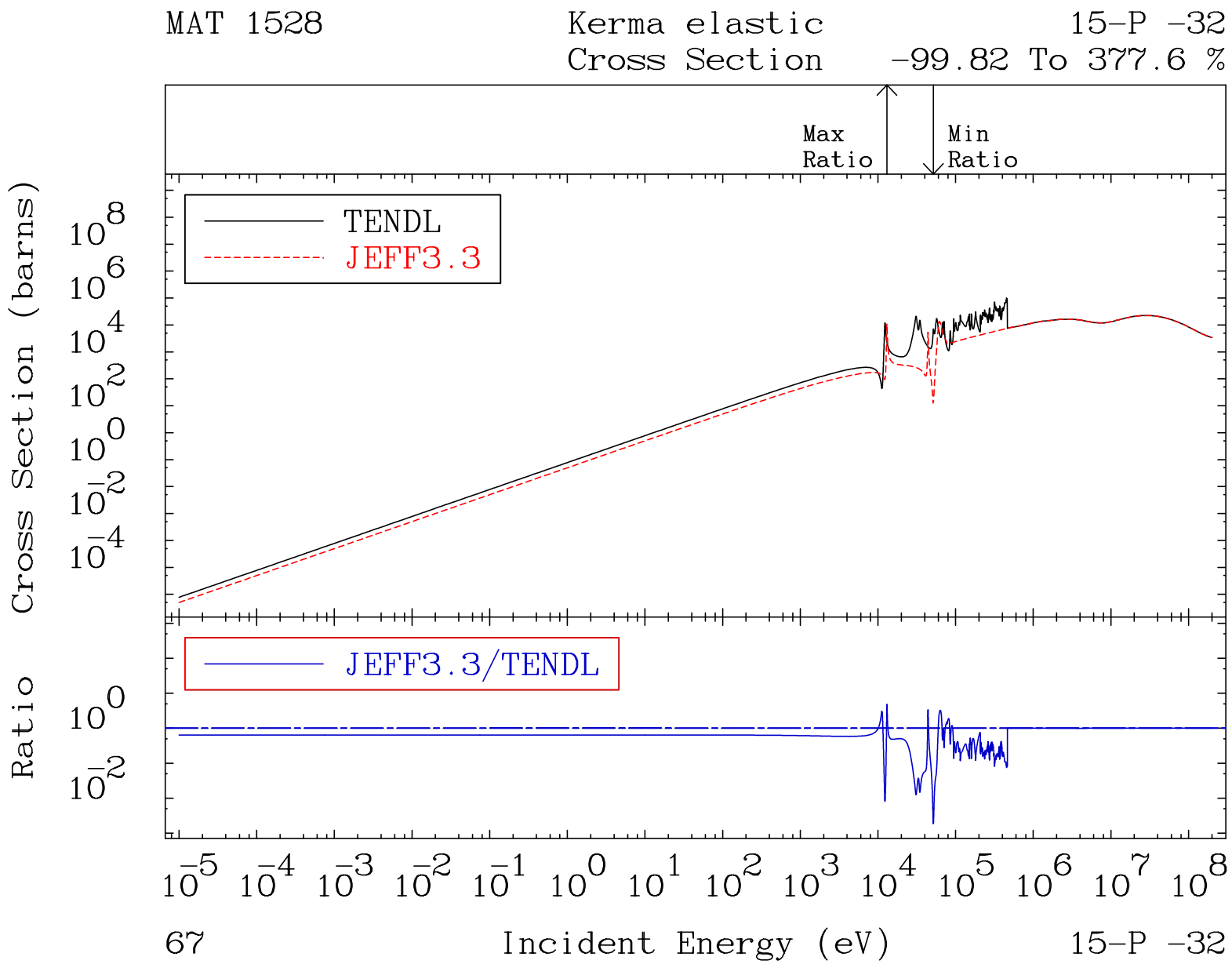

MAT 1528 Total kinematic kerma (high limit) 15-P -32
Cross Section -98.36 To 157.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
15-P -32

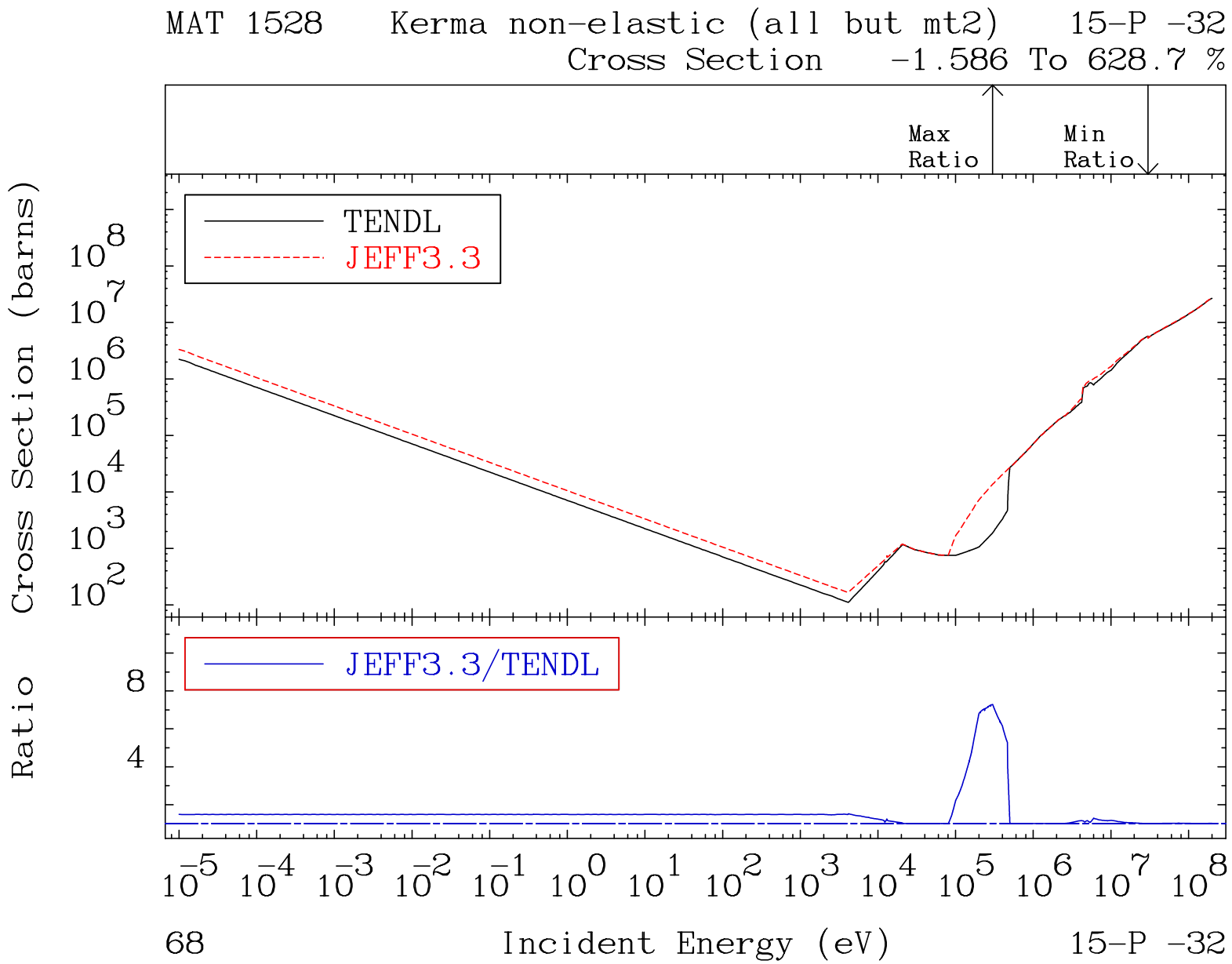

MAT 1528
Dpa total (eV-barns)
15-P -32
Cross Section -98.36 To 316.3 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
15-P -32

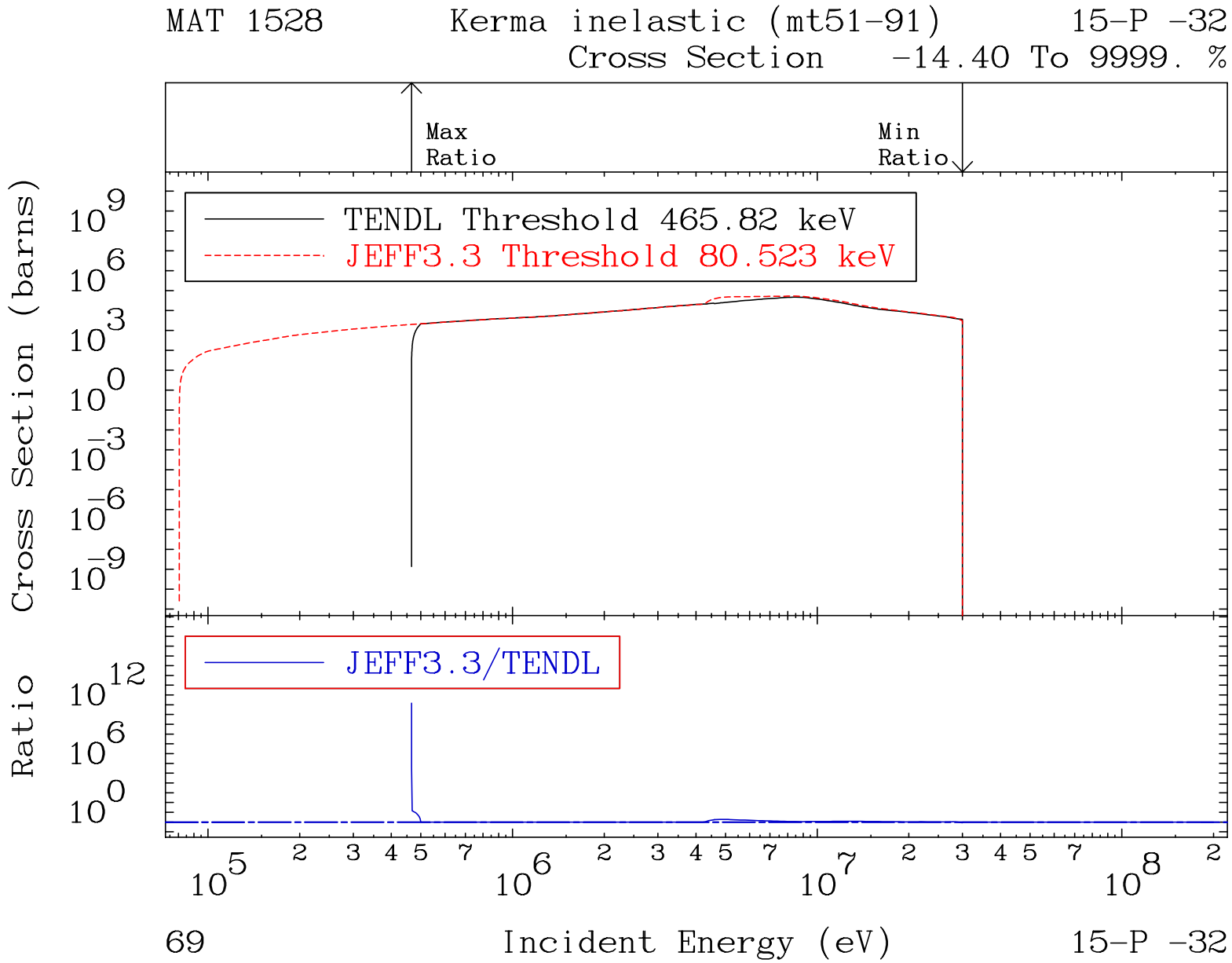

MAT 1528
Dpa elastic (mt2)
Cross Section
15-P -32
-98.36 To 321.7 %
Max Ratio
Min Ratio
TENDL Threshold 200.00 eV
JENDL5.0 Threshold 218.75 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
15-P -32

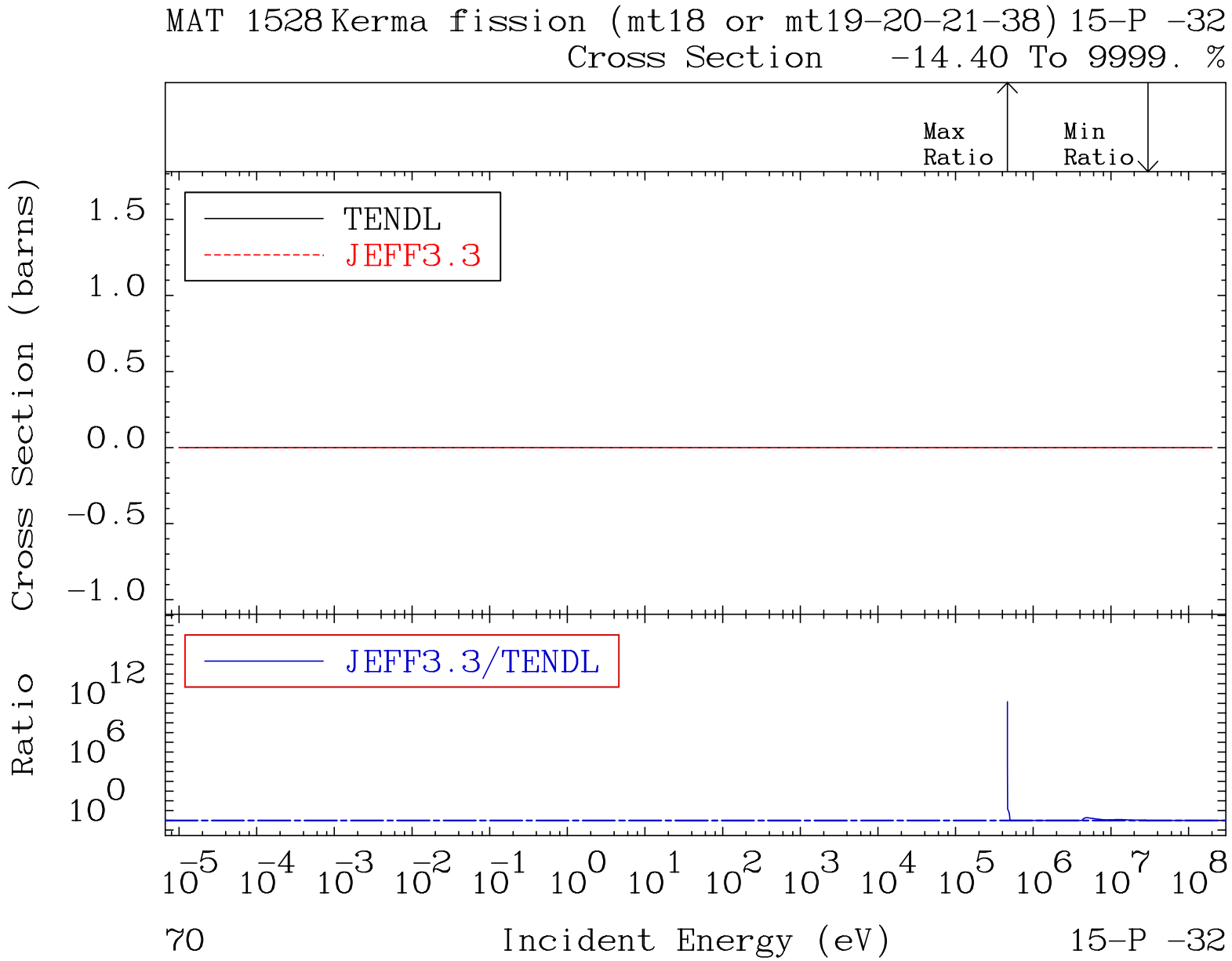

MAT 1528
Dpa inelastic (mt51-91)
15-P -32
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 465.82 keV
JENDL5.0 Threshold 80.523 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
1.0
0.0
Incident Energy (eV)
65
15-P -32

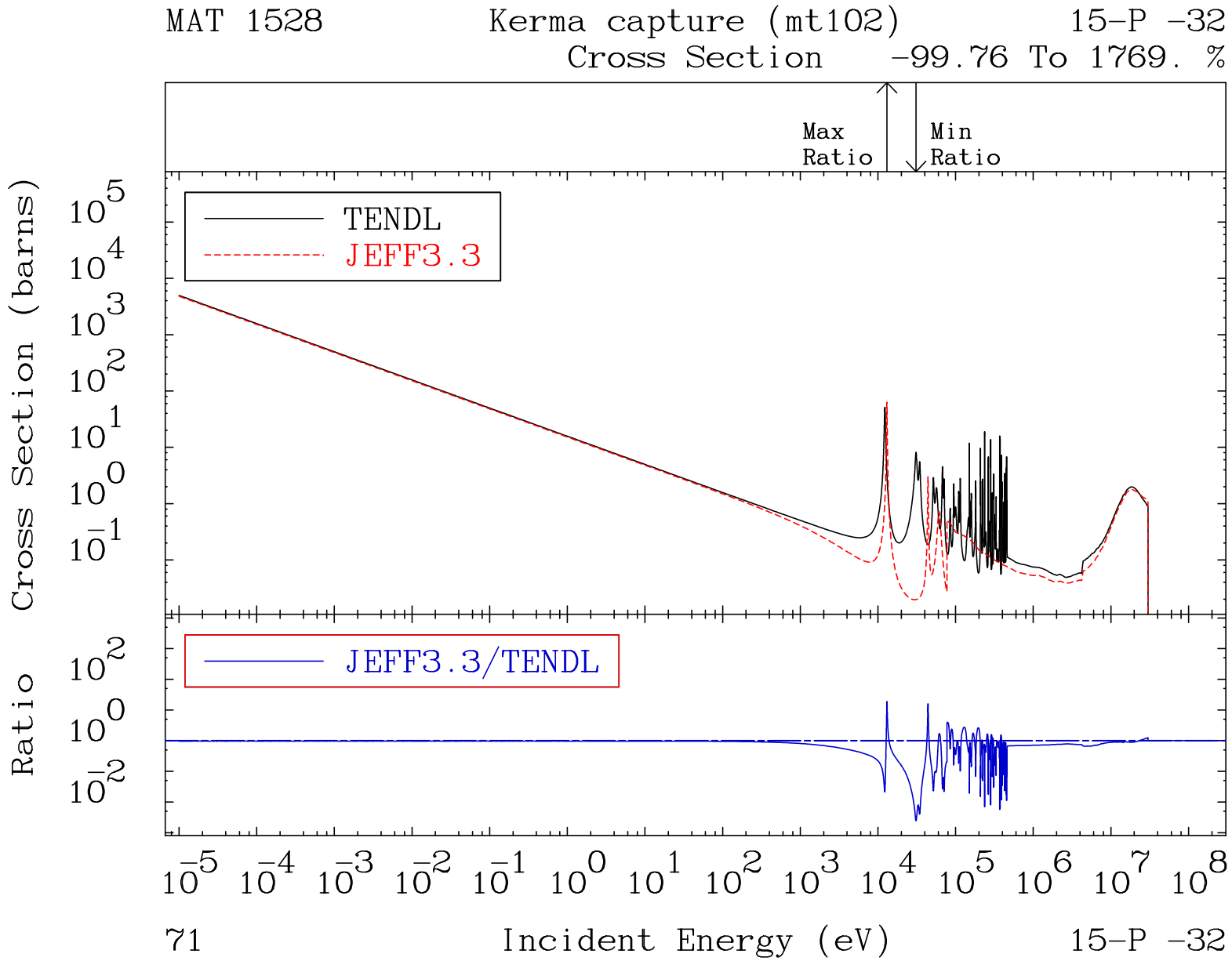

MAT 1528 Dpa disappearance (mt102 -120) 15-P -32
Cross Section -100.0 To 634.5 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
66
15-P -32

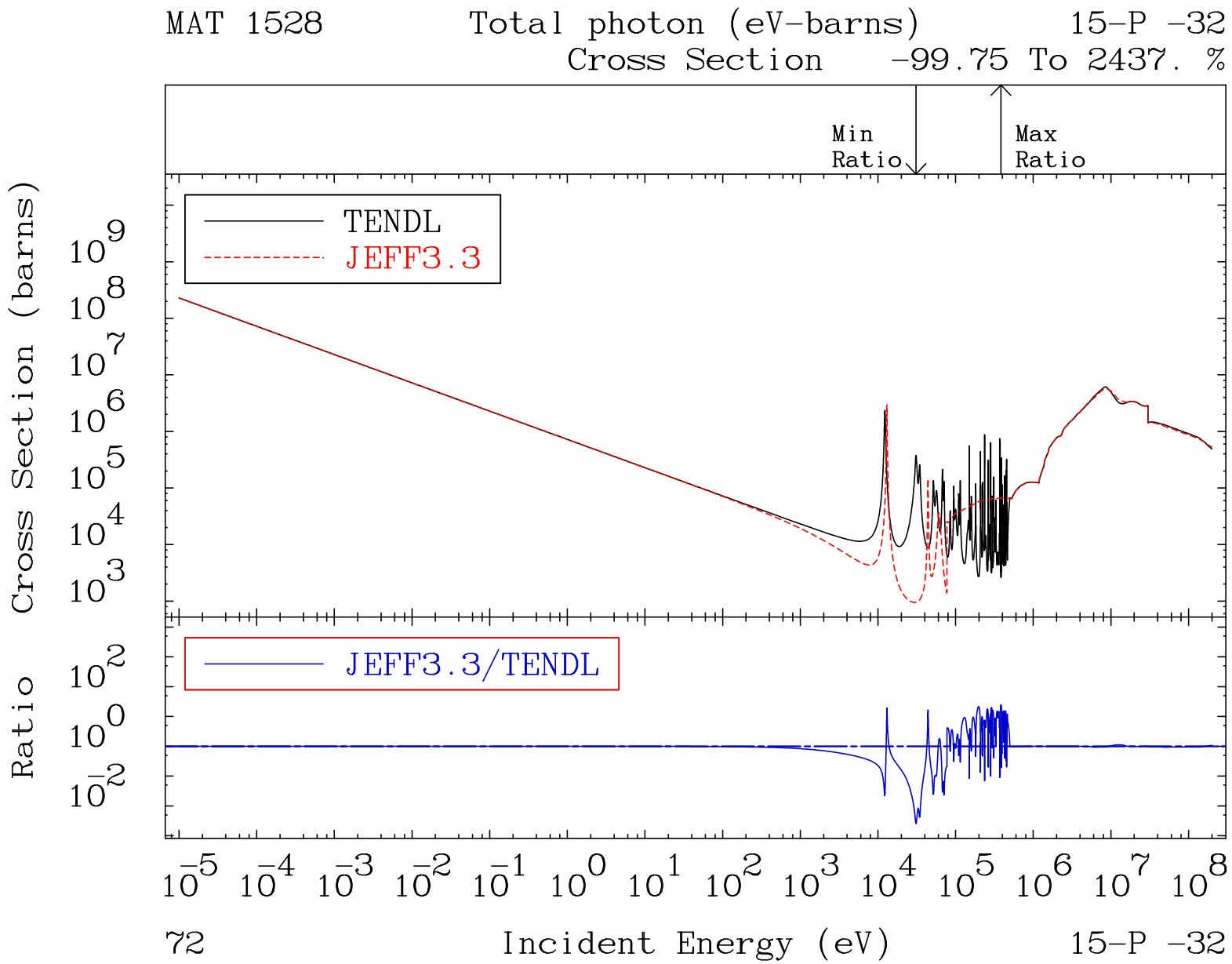

MAT 1528
Kerma elastic
15-P -32
Cross Section
-99.82 To 377.6 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
15-P -32

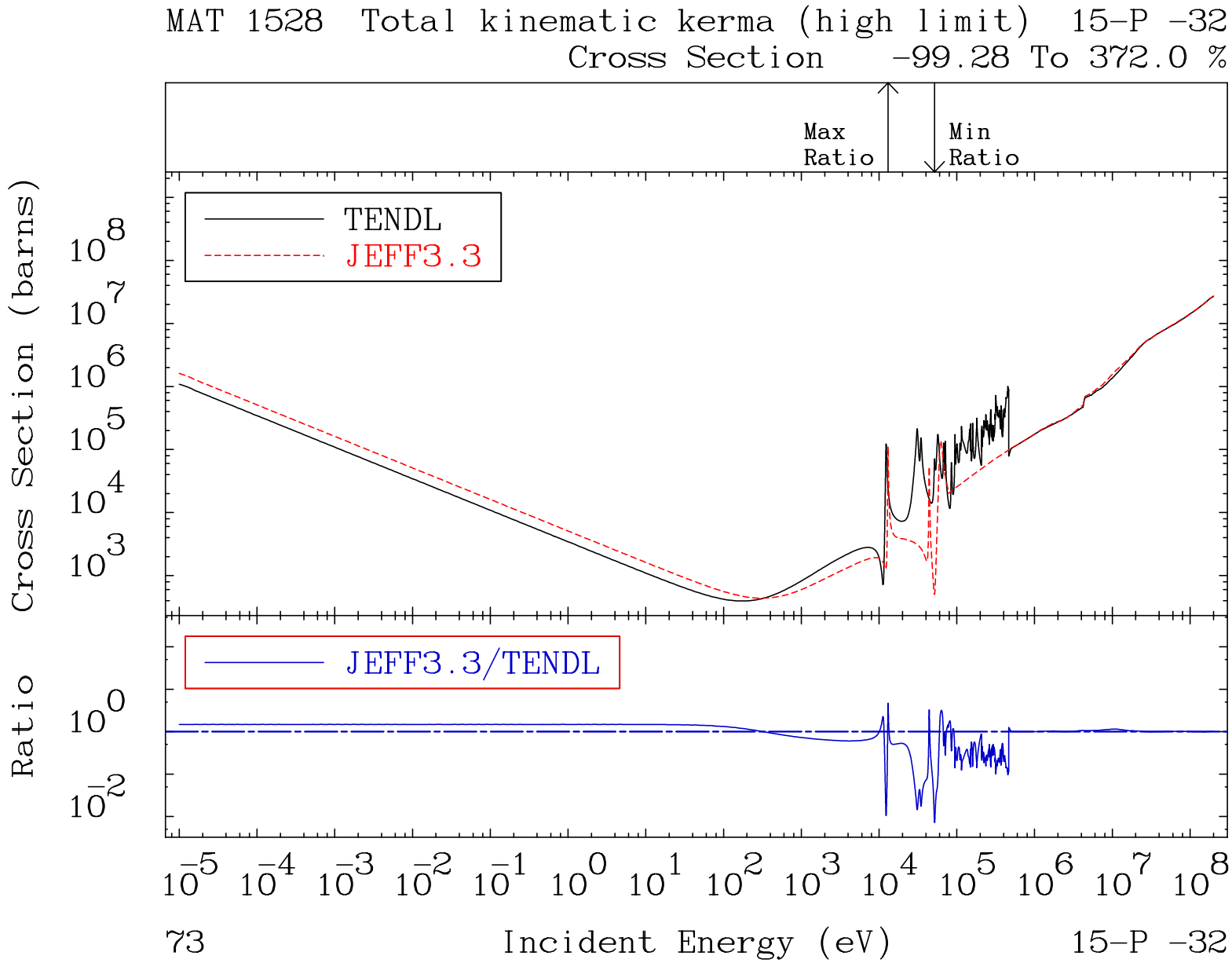

MAT 1528 Kerma non-elastic (all but mt2) 15-P -32
Cross Section -1.586 To 628.7 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
15-P -32

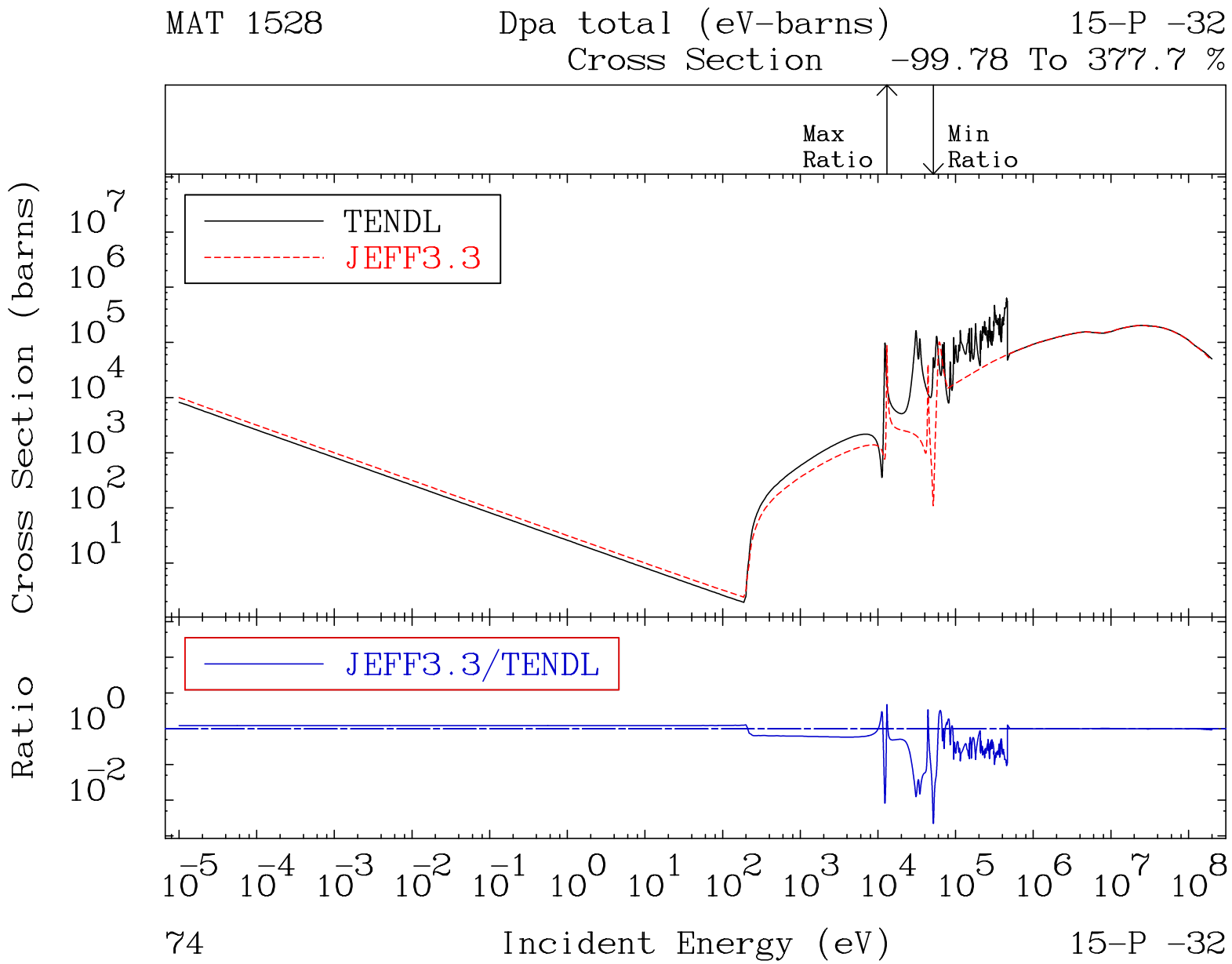

MAT 1528
Kerma inelastic (mt51-91)
15-P -32
Cross Section -14.40 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 465.82 keV
JEFF3.3 Threshold 80.523 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
15-P -32

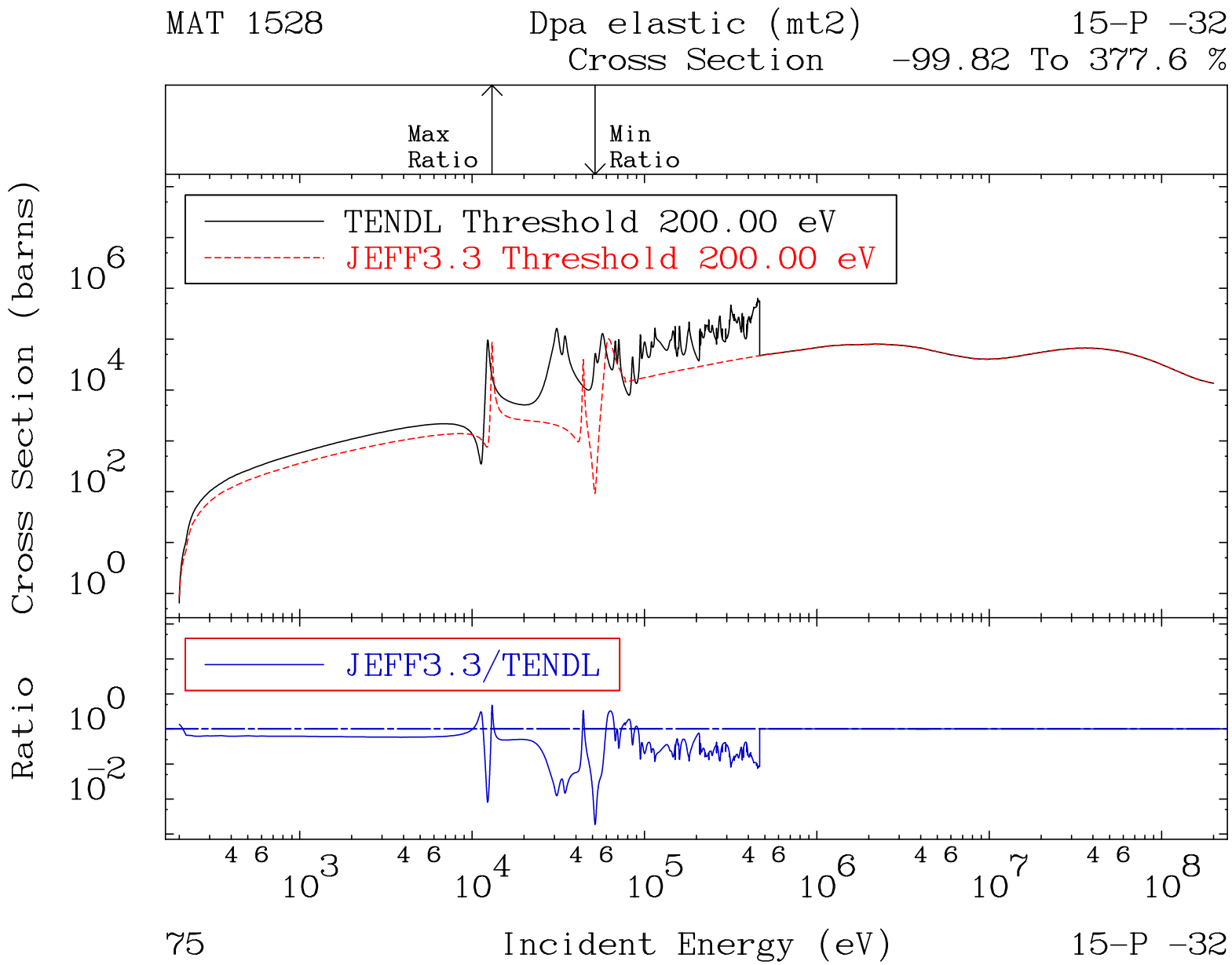

MAT 1528 Kerma fission (mt18 or mt19-20-21-38) 15-P -32
Cross Section -14.40 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{12}
10^{6}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
70
Incident Energy (eV)
15-P -32

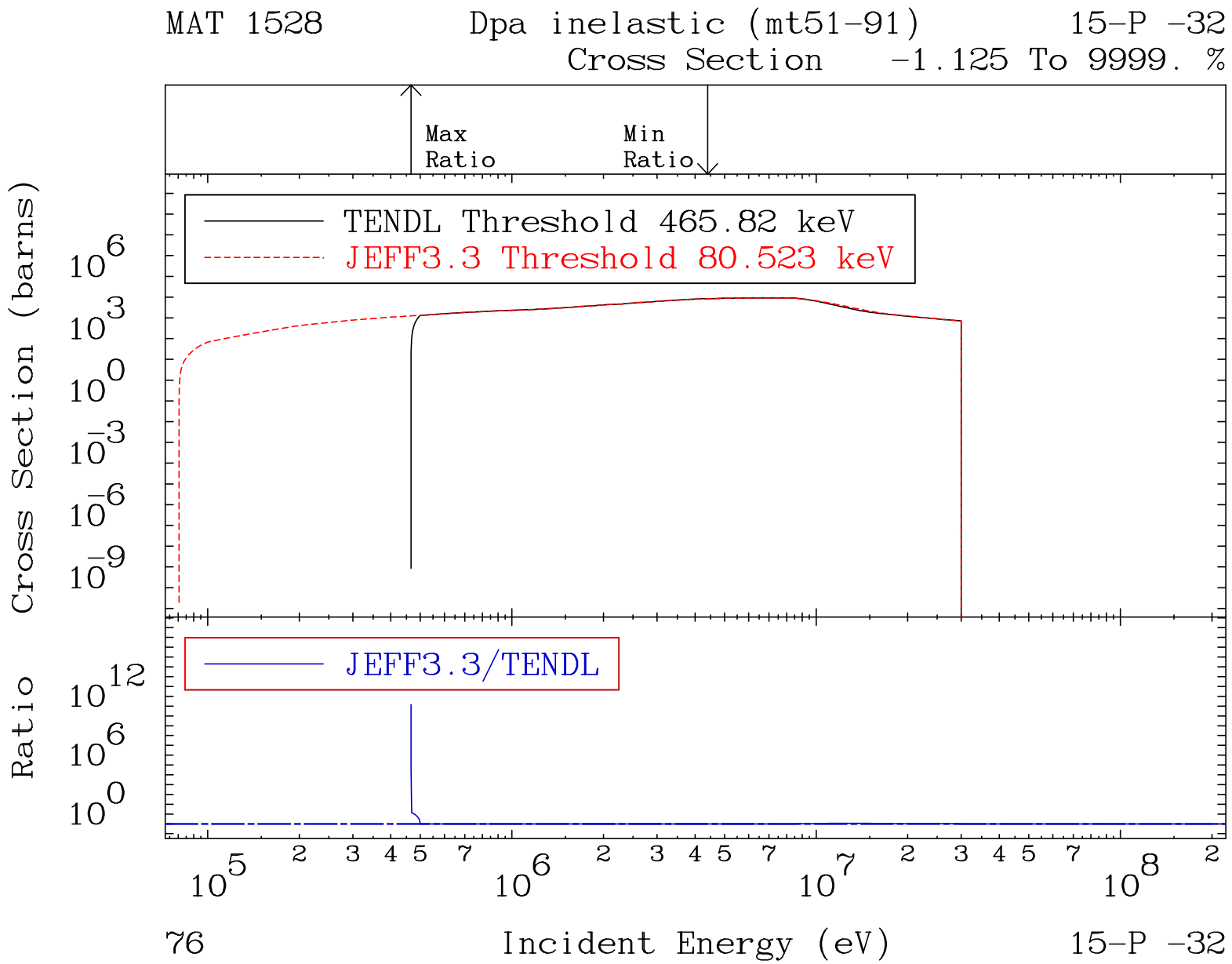

MAT 1528
Kerma capture (mt102)
15-P -32
Cross Section -99.76 To 1769. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
15-P -32

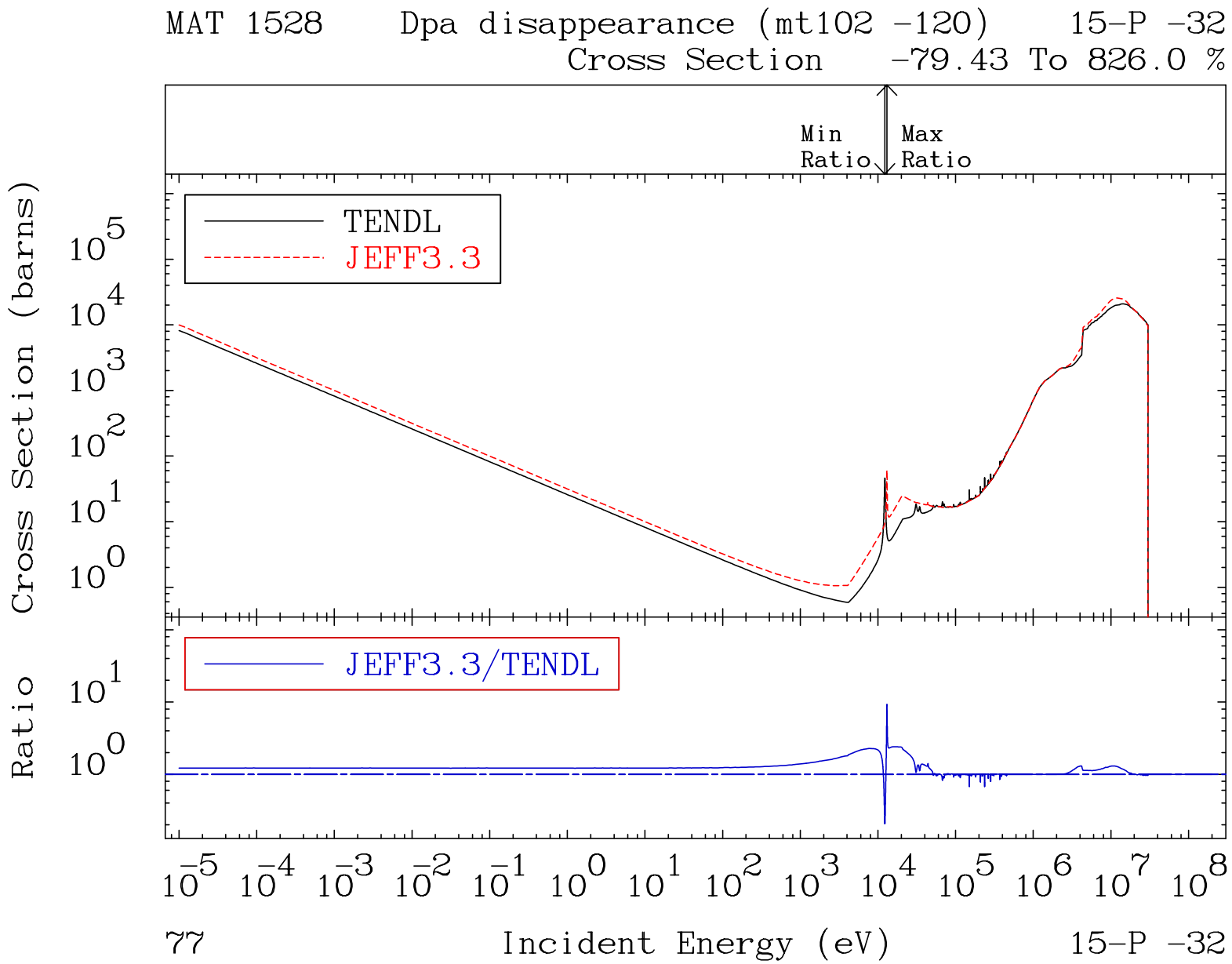

MAT 1528
Total photon (eV-barns)
15-P -32
Cross Section -99.75 To 2437. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
15-P -32


MAT 1528 Total kinematic kerma (high limit) 15-P -32
Cross Section -99.28 To 372.0 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
15-P -32


MAT 1528
Dpa total (eV-barns)
15-P -32
Cross Section -99.78 To 377.7 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
15-P -32


MAT 1528
Dpa elastic (mt2)
Cross Section
15-P -32
-99.82 To 377.6 %
Max Ratio
Min Ratio
TENDL Threshold 200.00 eV
JEFF3.3 Threshold 200.00 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
15-P -32


MAT 1528
Dpa inelastic (mt51-91)
15-P -32
Cross Section
-1.125 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 465.82 keV
JEFF3.3 Threshold 80.523 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
15-P -32


MAT 1528 Dpa disappearance (mt102 -120) 15-P -32
Cross Section -79.43 To 826.0 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
15-P -32