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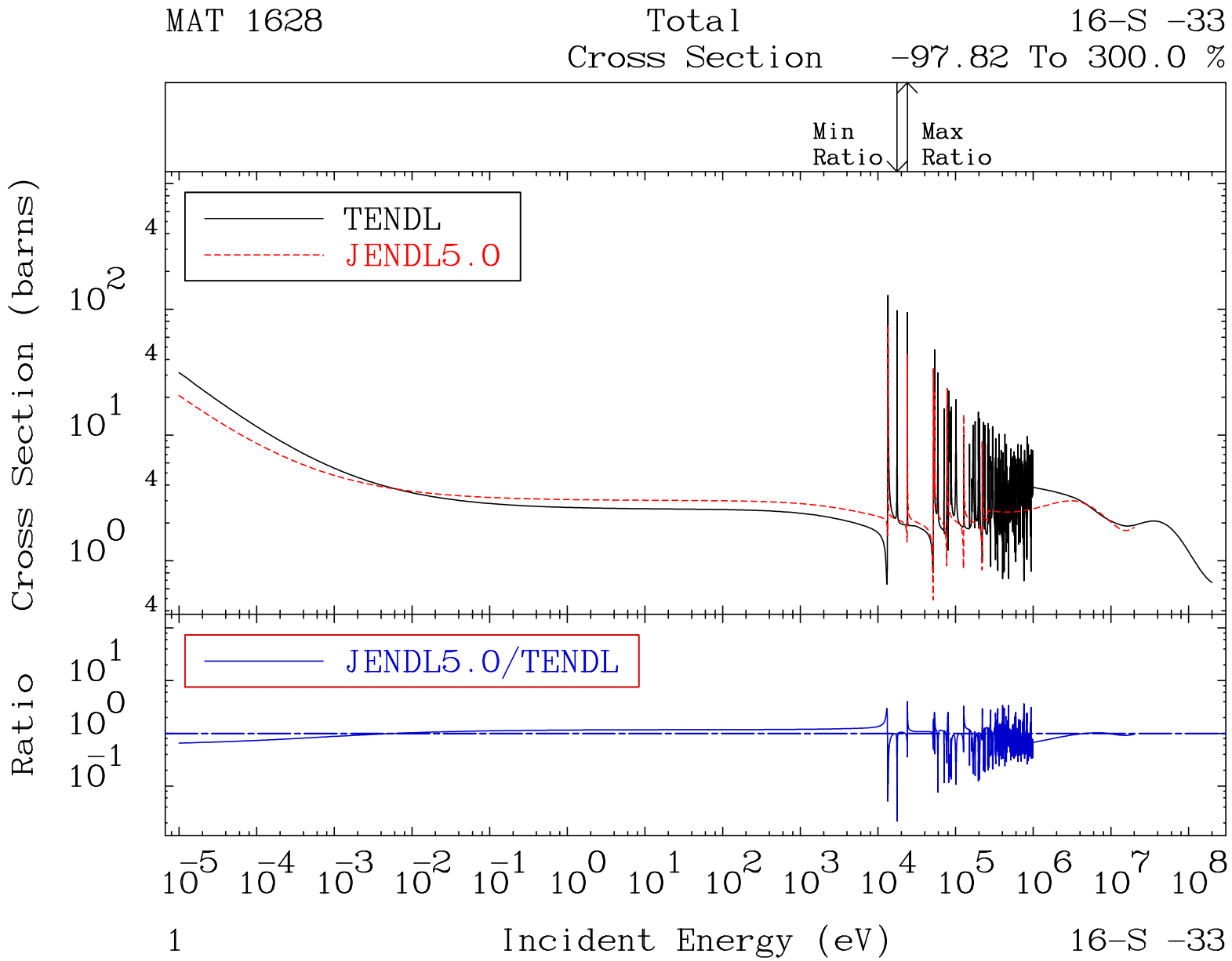
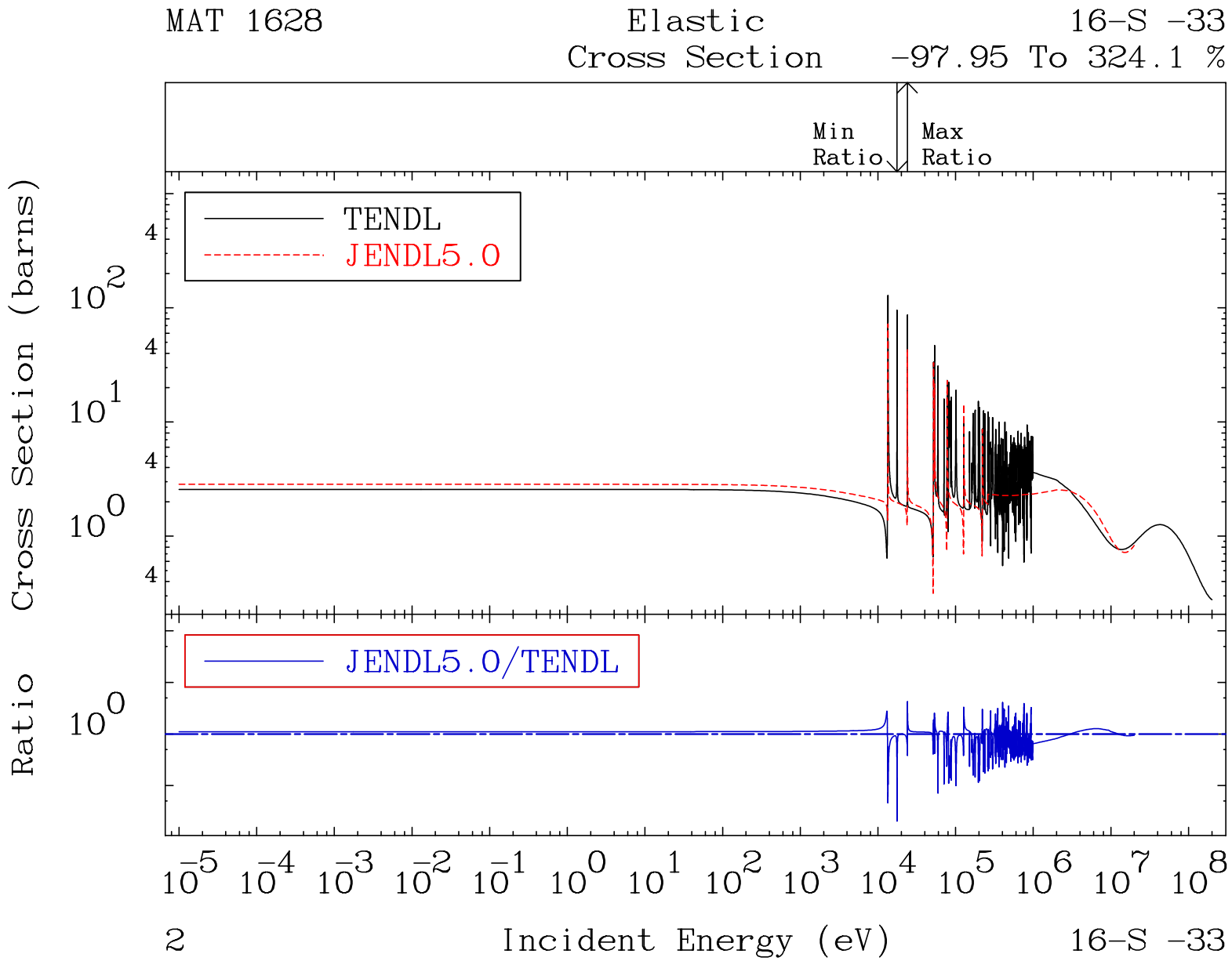
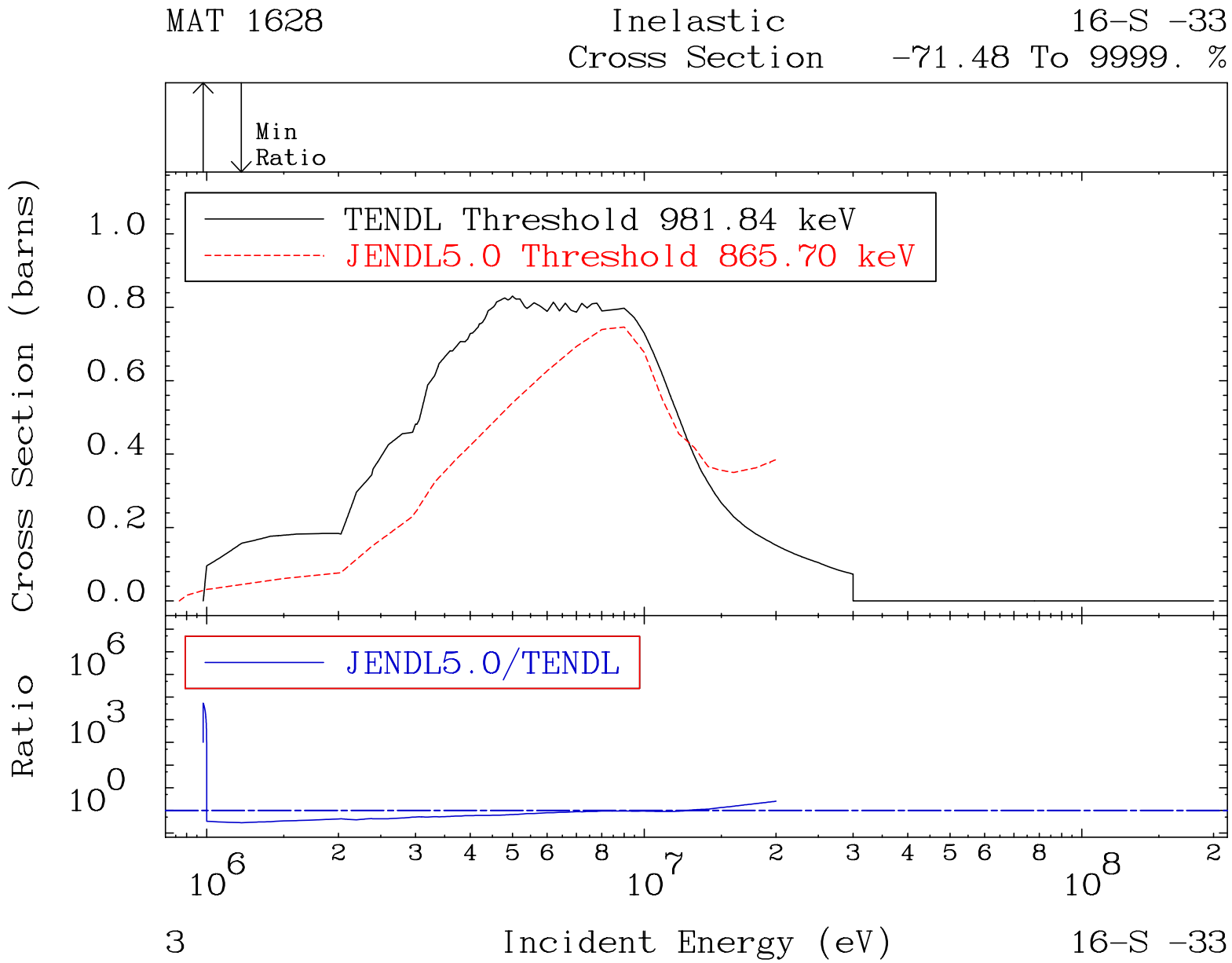
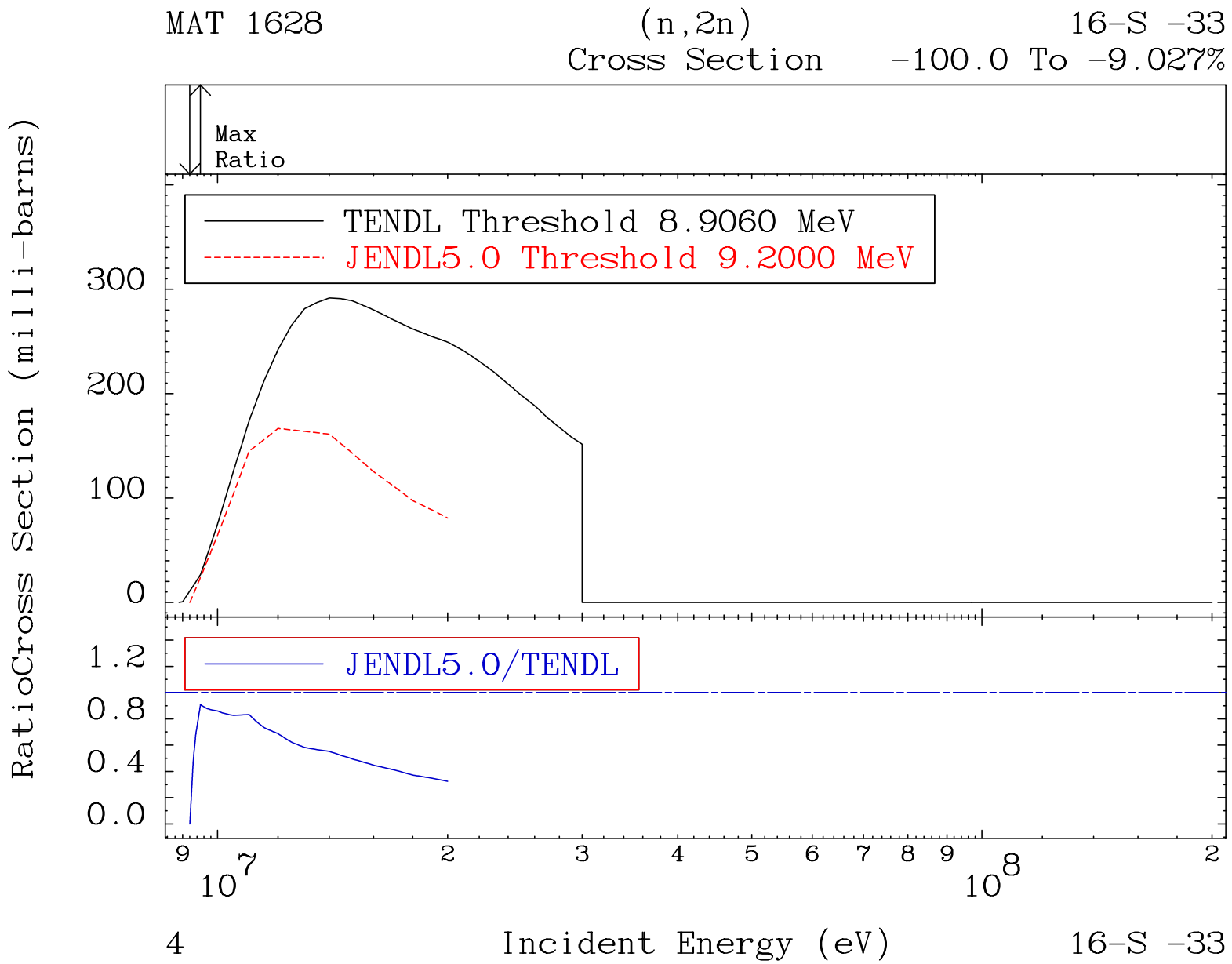
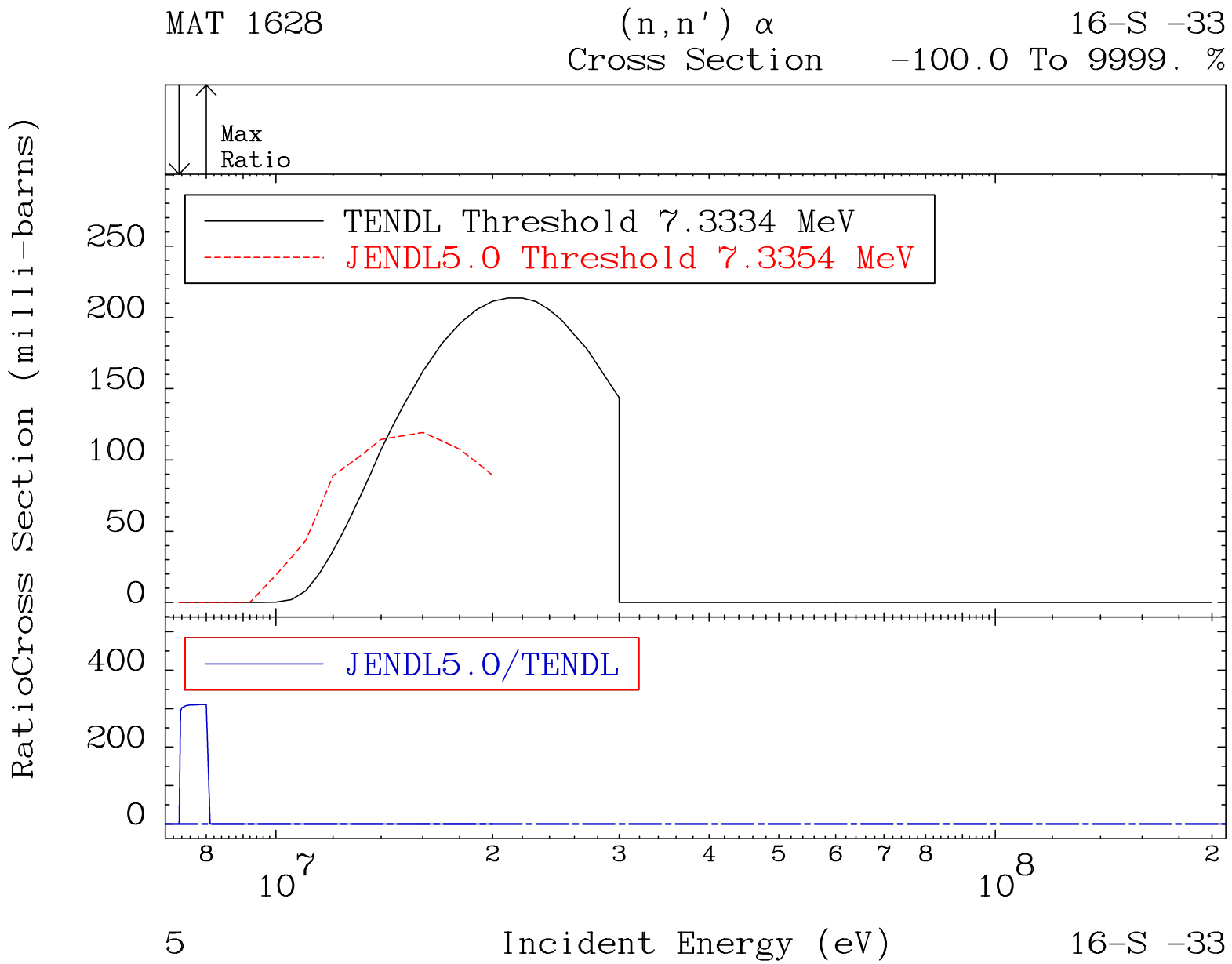
Press Mouse Button to Start

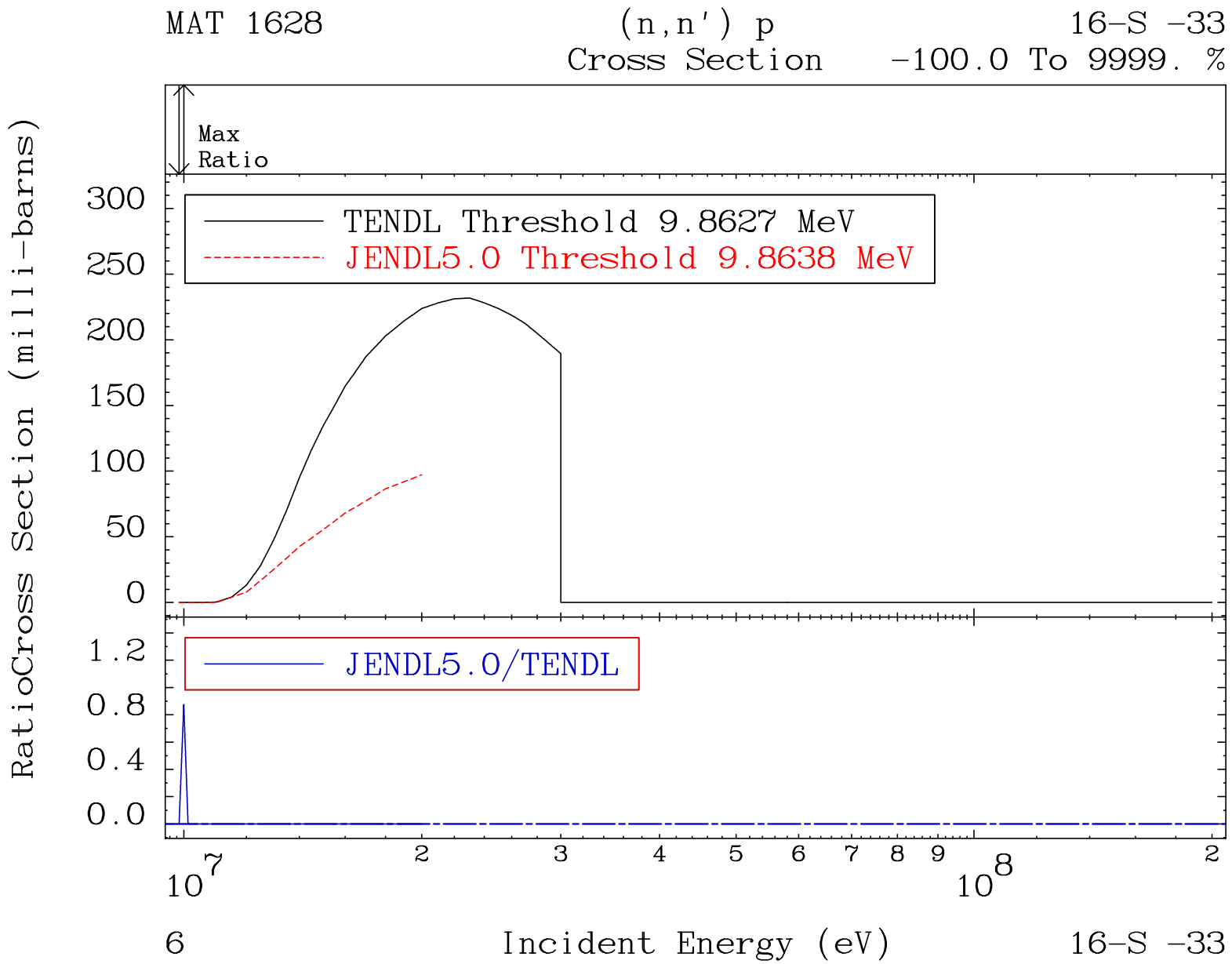

MAT 1628
Total
Cross Section
16-S -33
-97.82 To 300.0 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
16-S -33
1

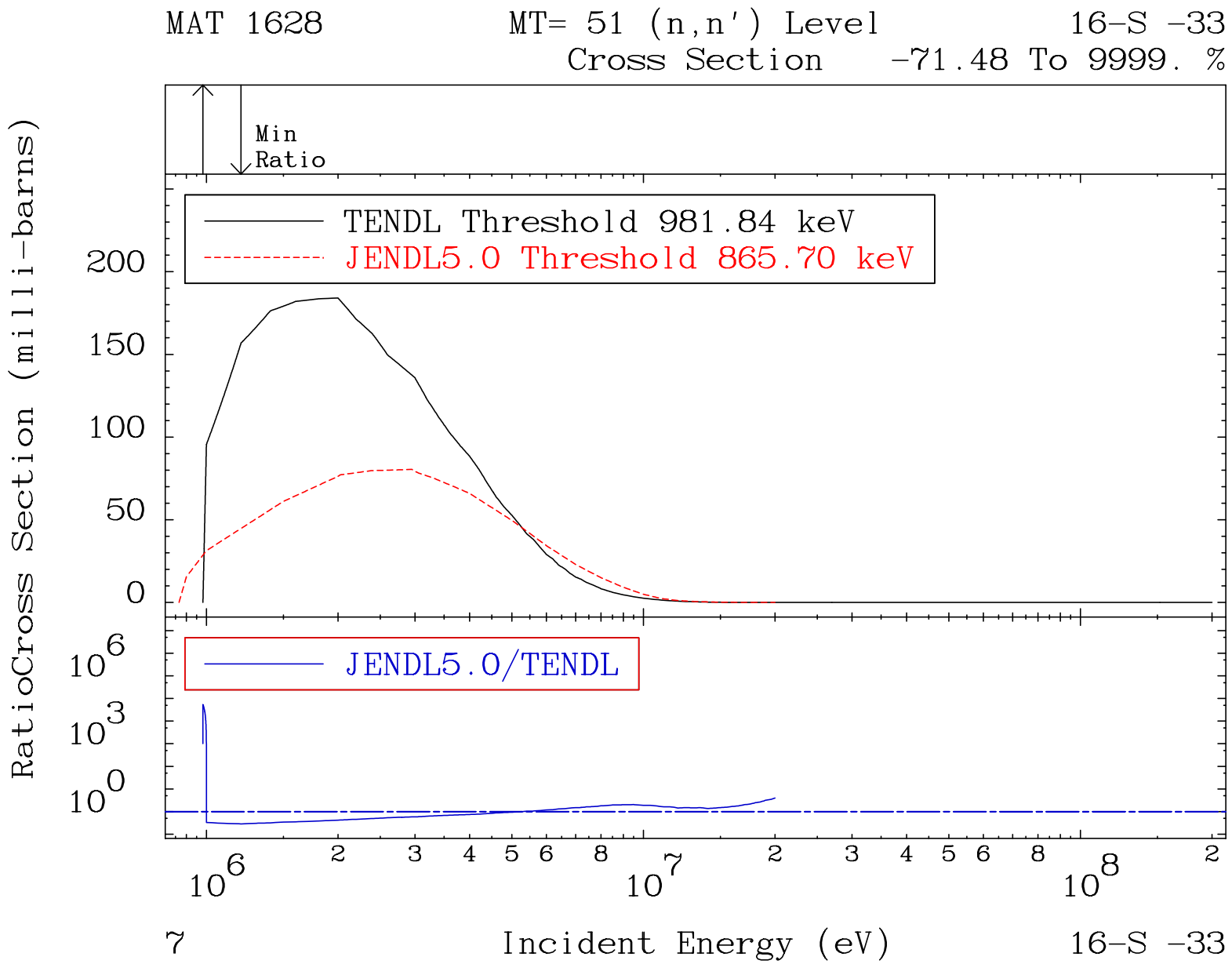

MAT 1628
Elastic
Cross Section
16-S -33
-97.95 To 324.1 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
16-S -33

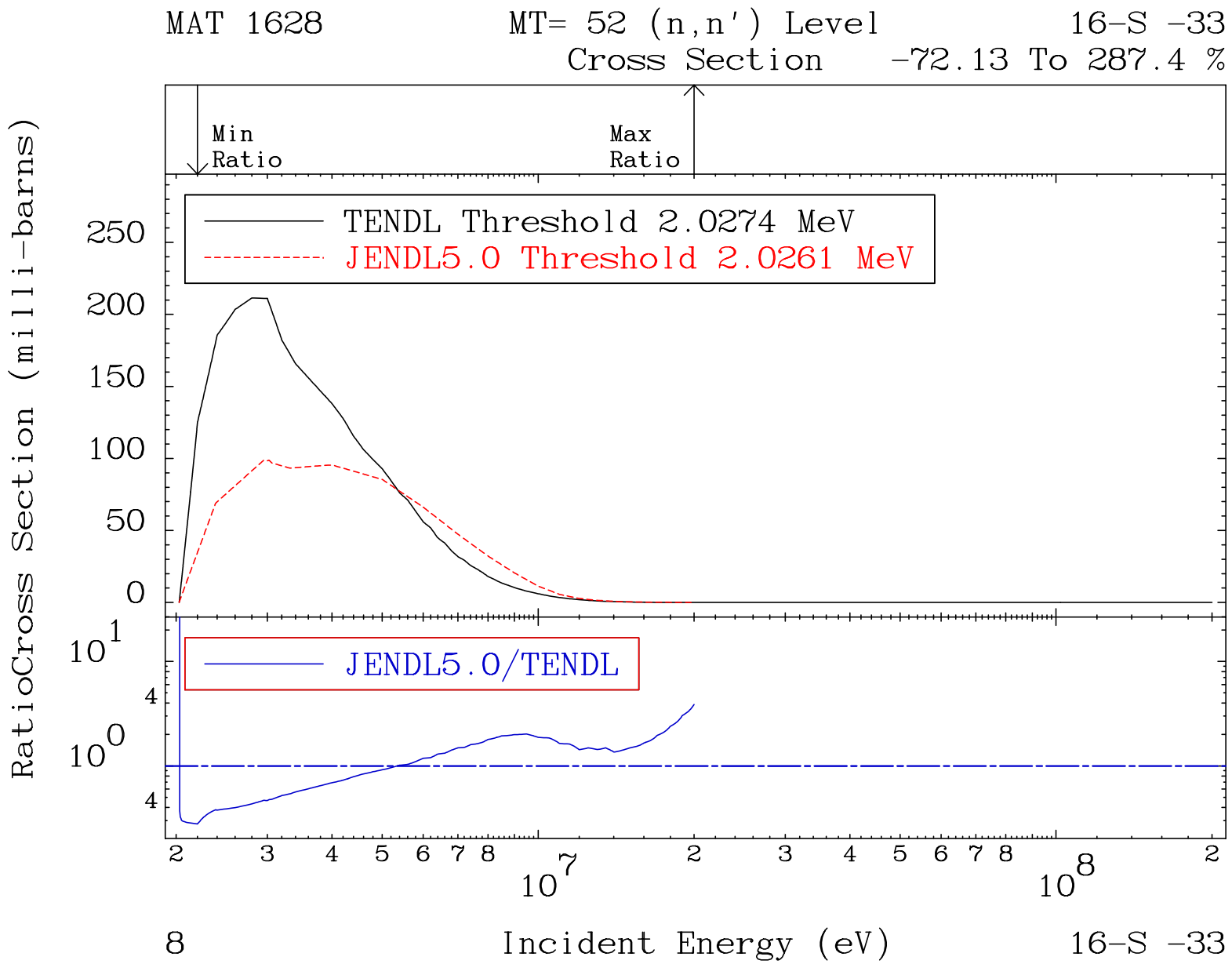

MAT 1628
Inelastic
Cross Section
16-S -33
-71.48 To 9999. %
Min
Ratio
TENDL Threshold 981.84 keV
JENDL5.0 Threshold 865.70 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^6
10^3
10^0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
16-S -33

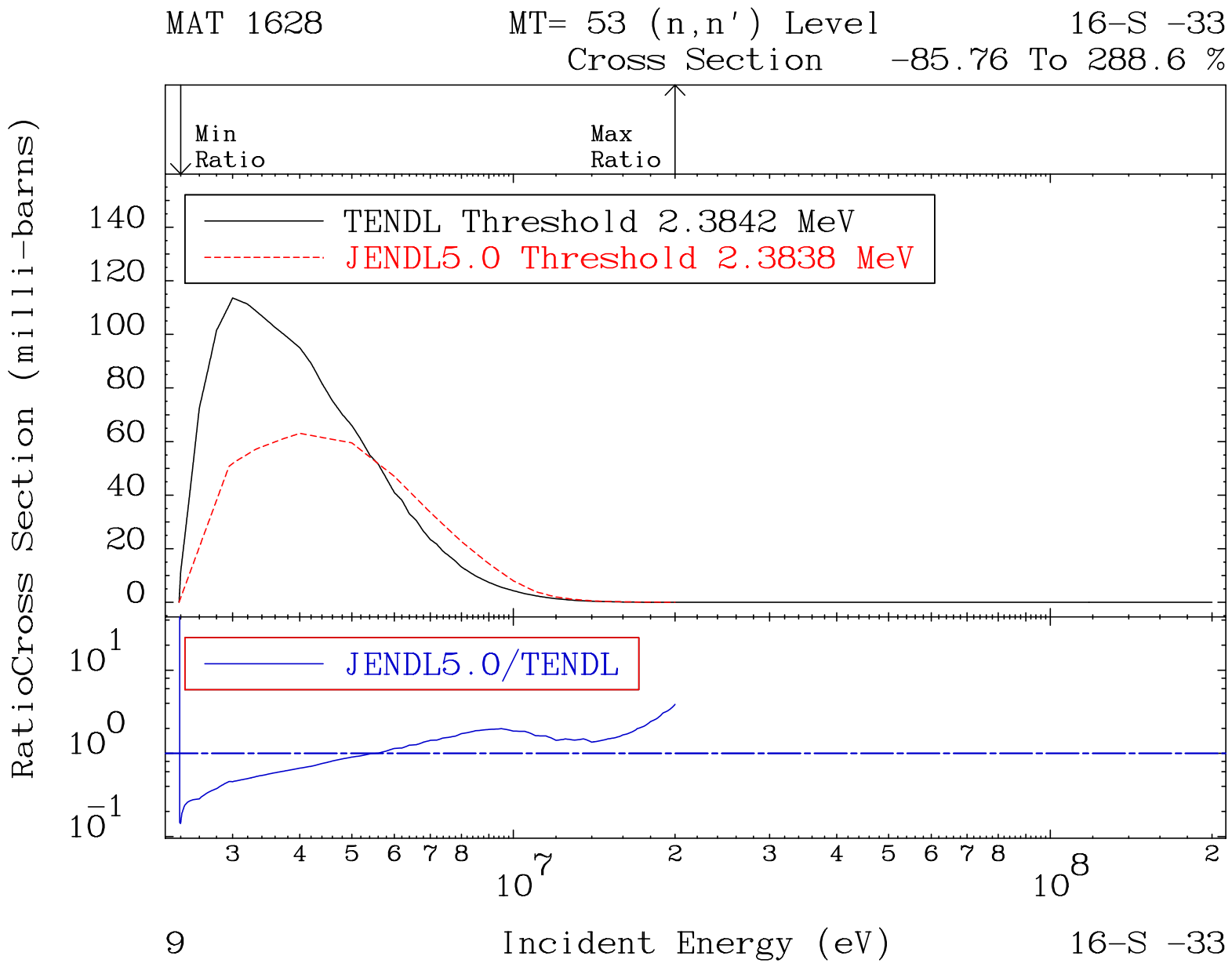

MAT 1628
(n,2n)
Cross Section
16-S -33
-100.0 To -9.027%
Max
Ratio
TENDL Threshold 8.9060 MeV
JENDL5.0 Threshold 9.2000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.2
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
16-S -33

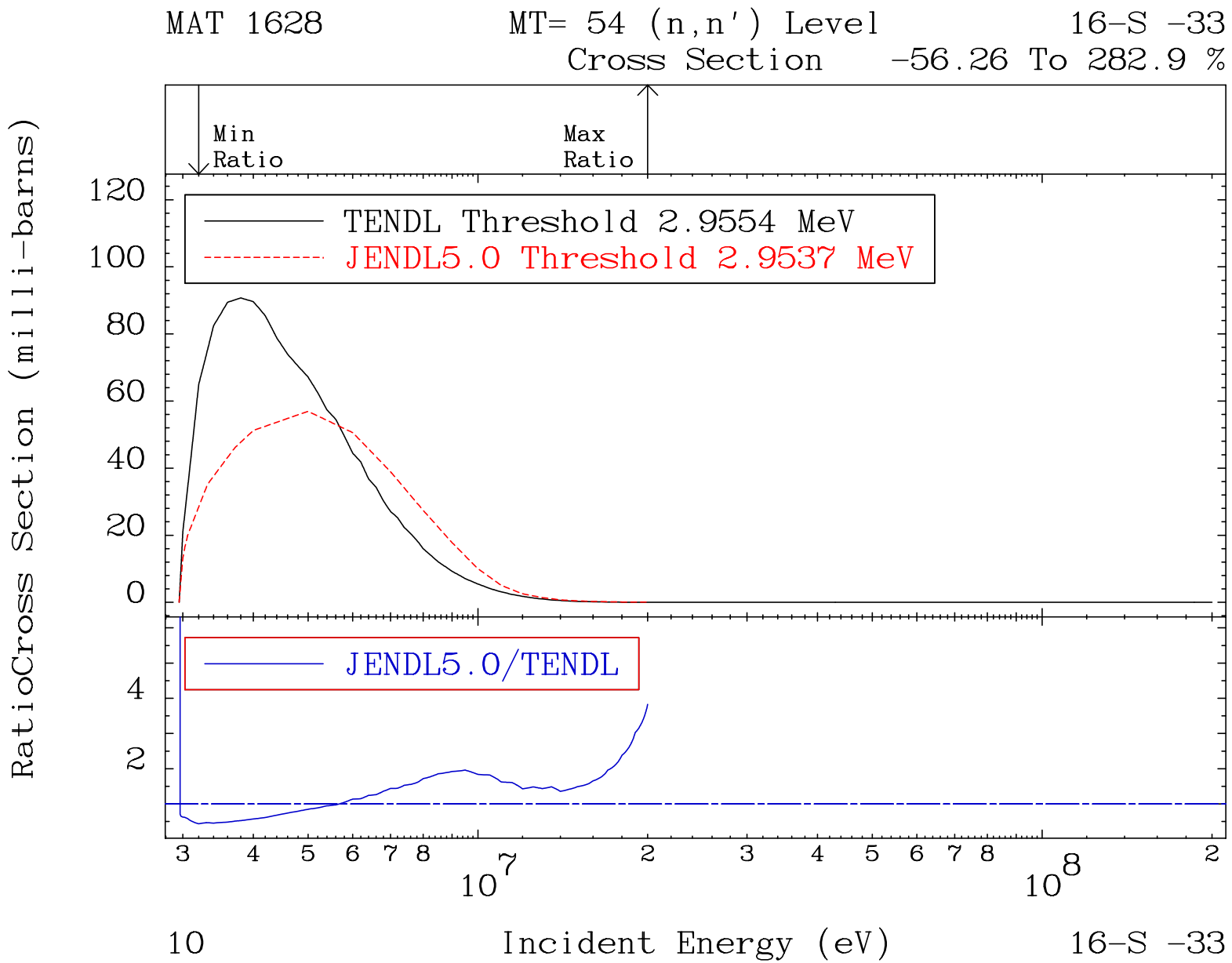

MAT 1628
(n,n') α
Cross Section
16-S -33
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.3334 MeV
JENDL5.0 Threshold 7.3354 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
400
200
0
8
2
3
4
5
6
7
8
2
10^7
10^8
5
Incident Energy (eV)
16-S -33

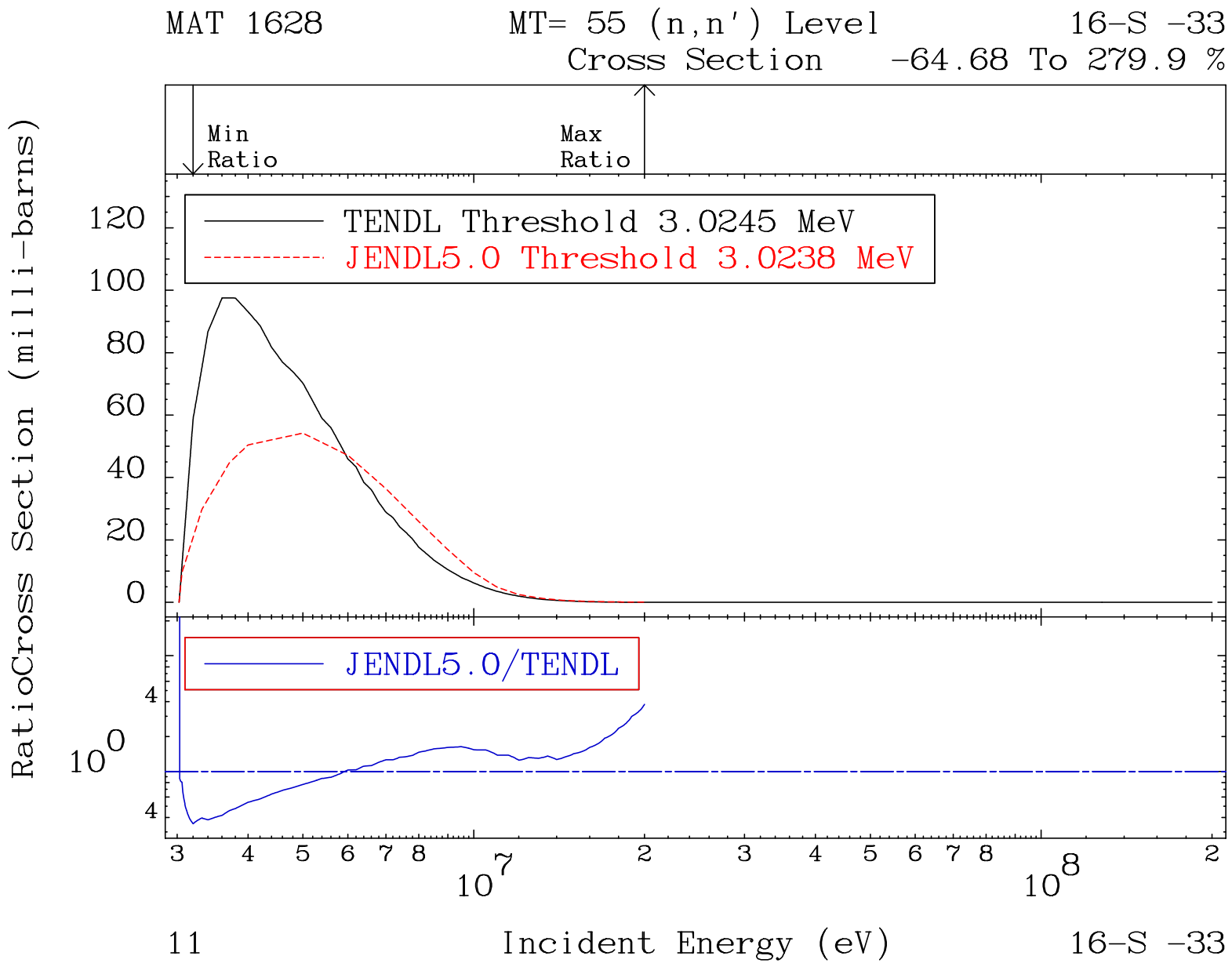

MAT 1628
(n,n') p
Cross Section
16-S -33
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.8627 MeV
JENDL5.0 Threshold 9.8638 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.8
0.4
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
16-S -33

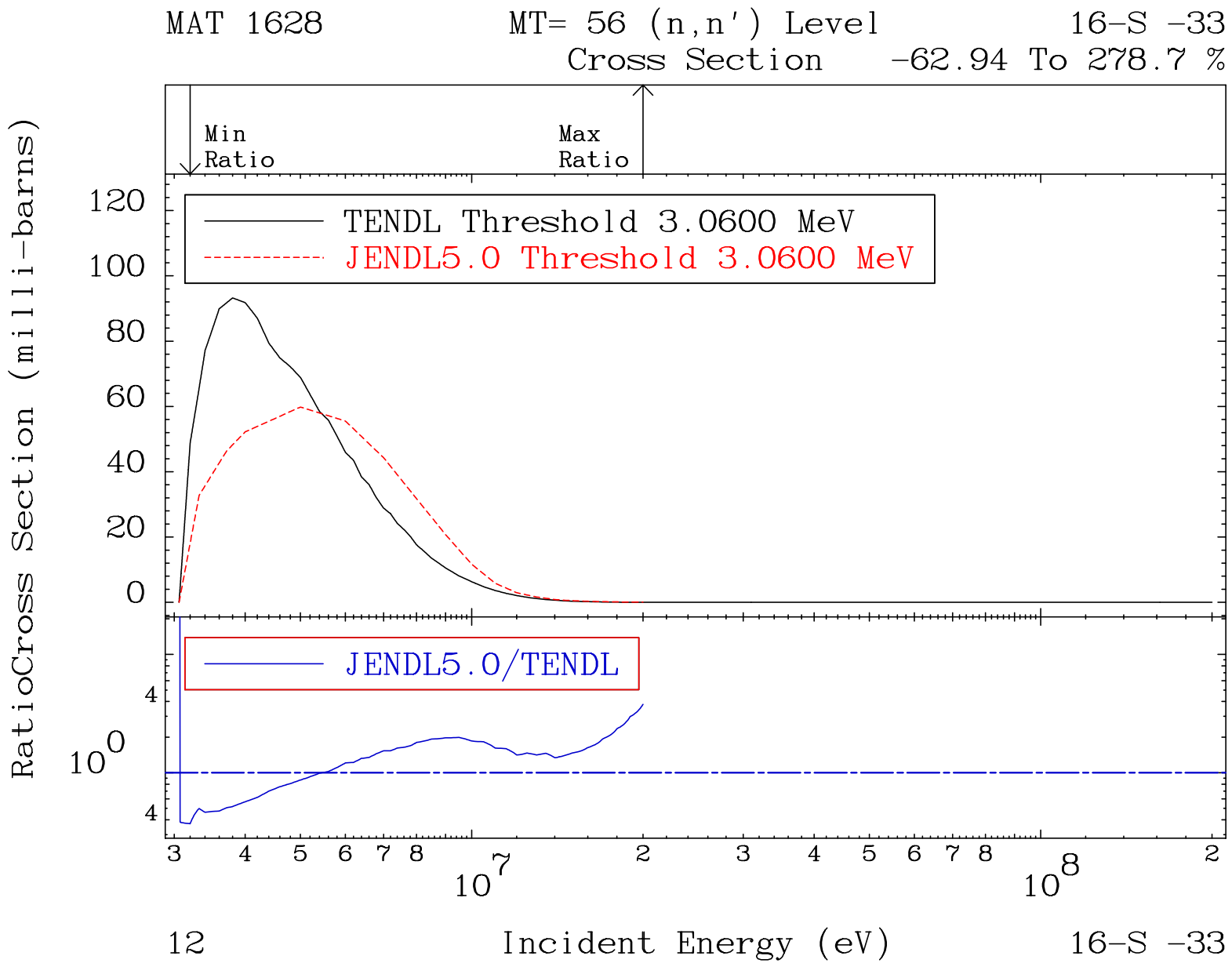

MAT 1628
MT= 51 (n,n') Level
16-S -33
Cross Section -71.48 To 9999. %
Min
Ratio
TENDL Threshold 981.84 keV
JENDL5.0 Threshold 865.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^6
10^3
10^0
2
3
4
5
6
8
10^6
10^7
10^8
7
Incident Energy (eV)
16-S -33

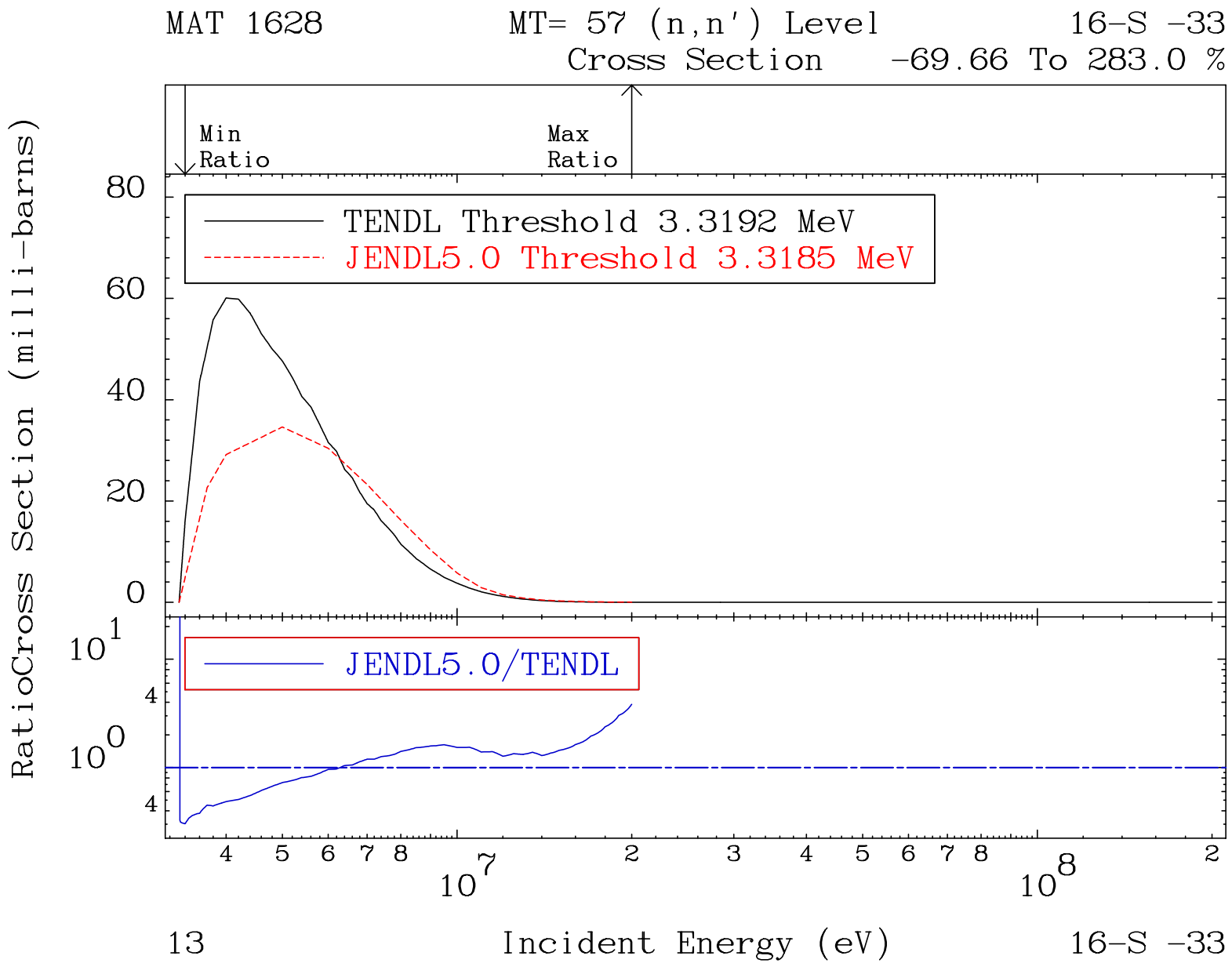

MAT 1628
MT= 52 (n,n') Level
16-S -33
Cross Section -72.13 To 287.4 %
Min Ratio
Max Ratio
TENDL Threshold 2.0274 MeV
JENDL5.0 Threshold 2.0261 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
16-S -33

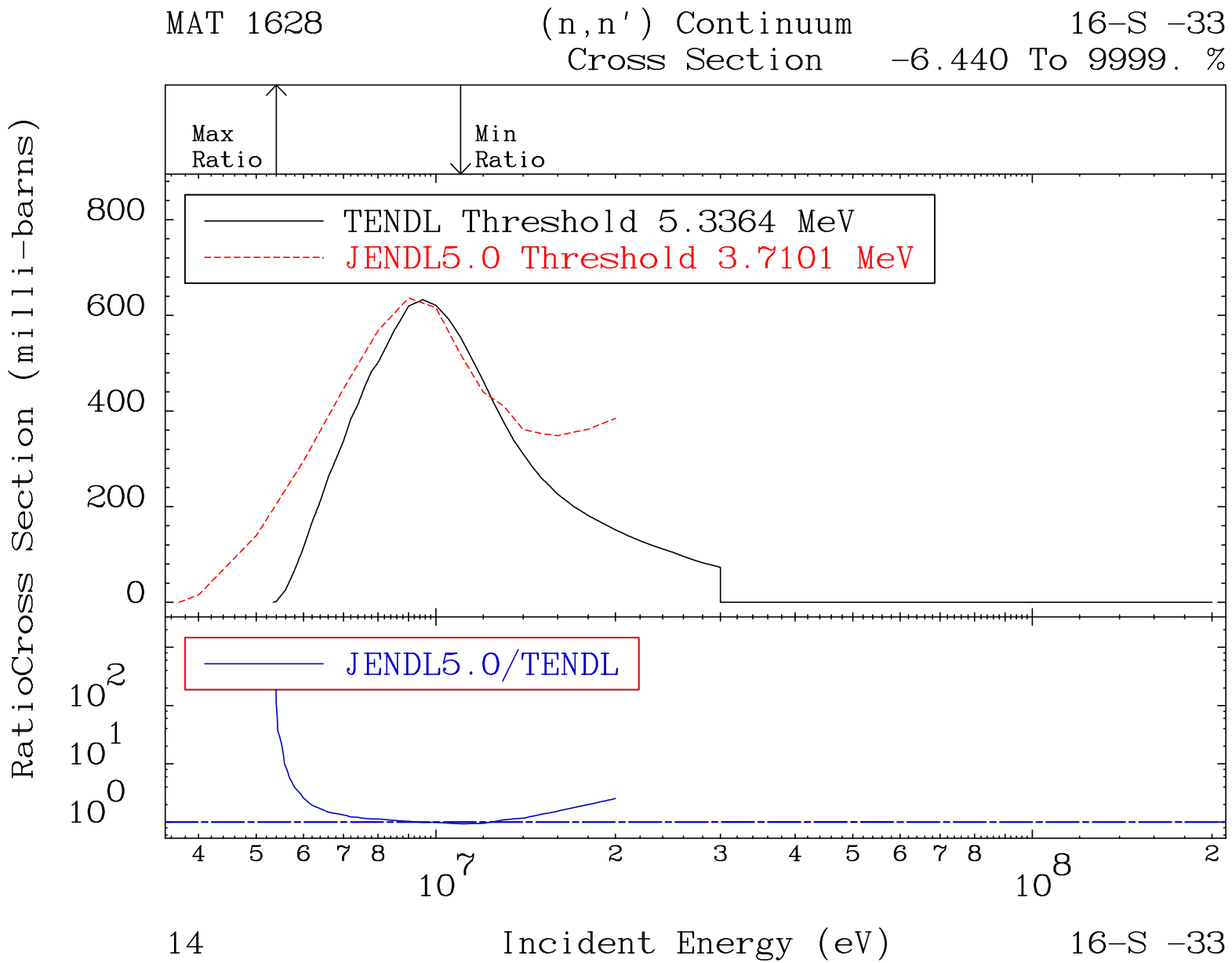

MAT 1628
MT= 53 (n,n') Level
16-S -33
Cross Section -85.76 To 288.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.3842 MeV
JENDL5.0 Threshold 2.3838 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^1
10^0
10^-1
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
16-S -33

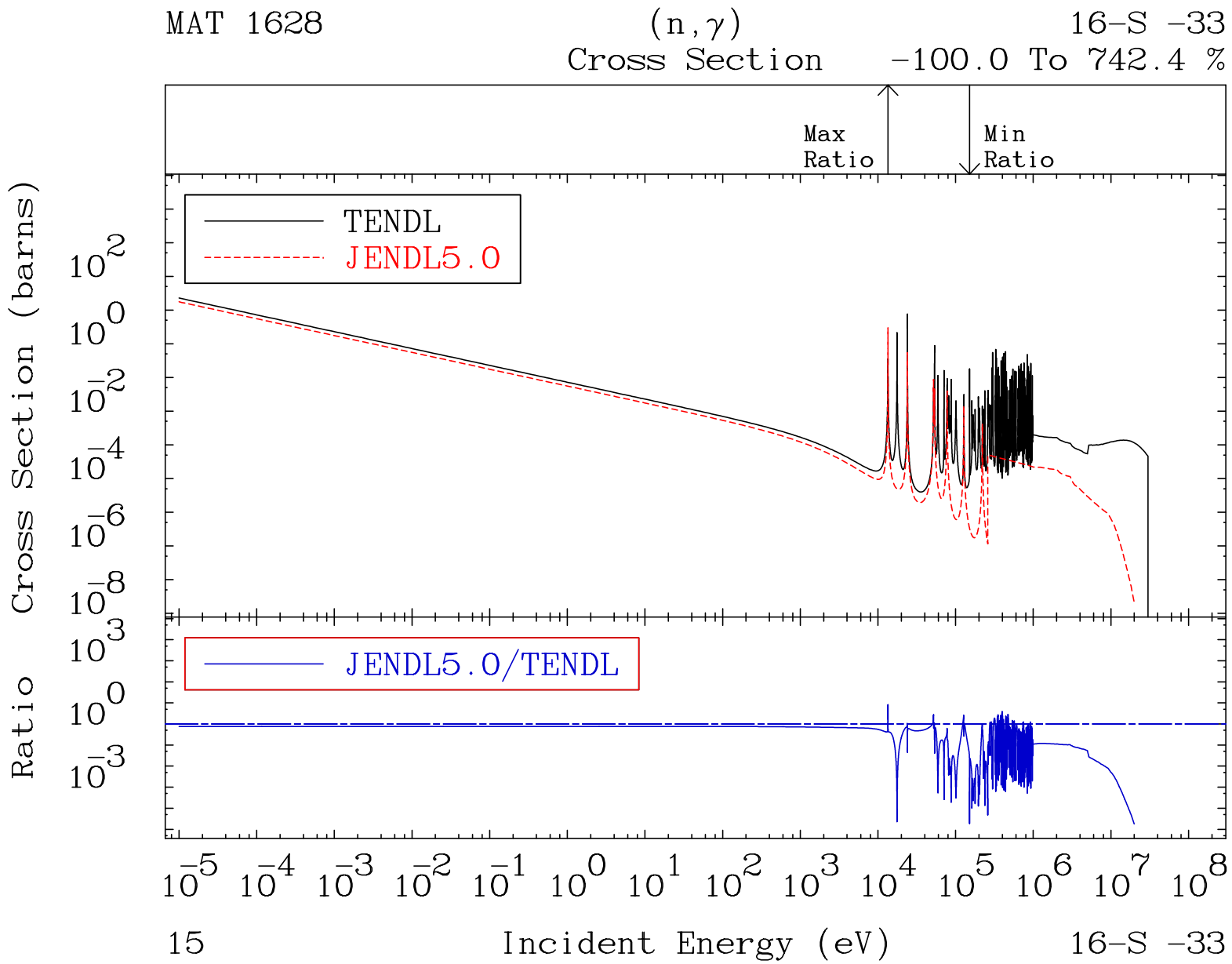

MAT 1628
MT= 54 (n,n') Level
16-S -33
Cross Section -56.26 To 282.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.9554 MeV
JENDL5.0 Threshold 2.9537 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
16-S -33

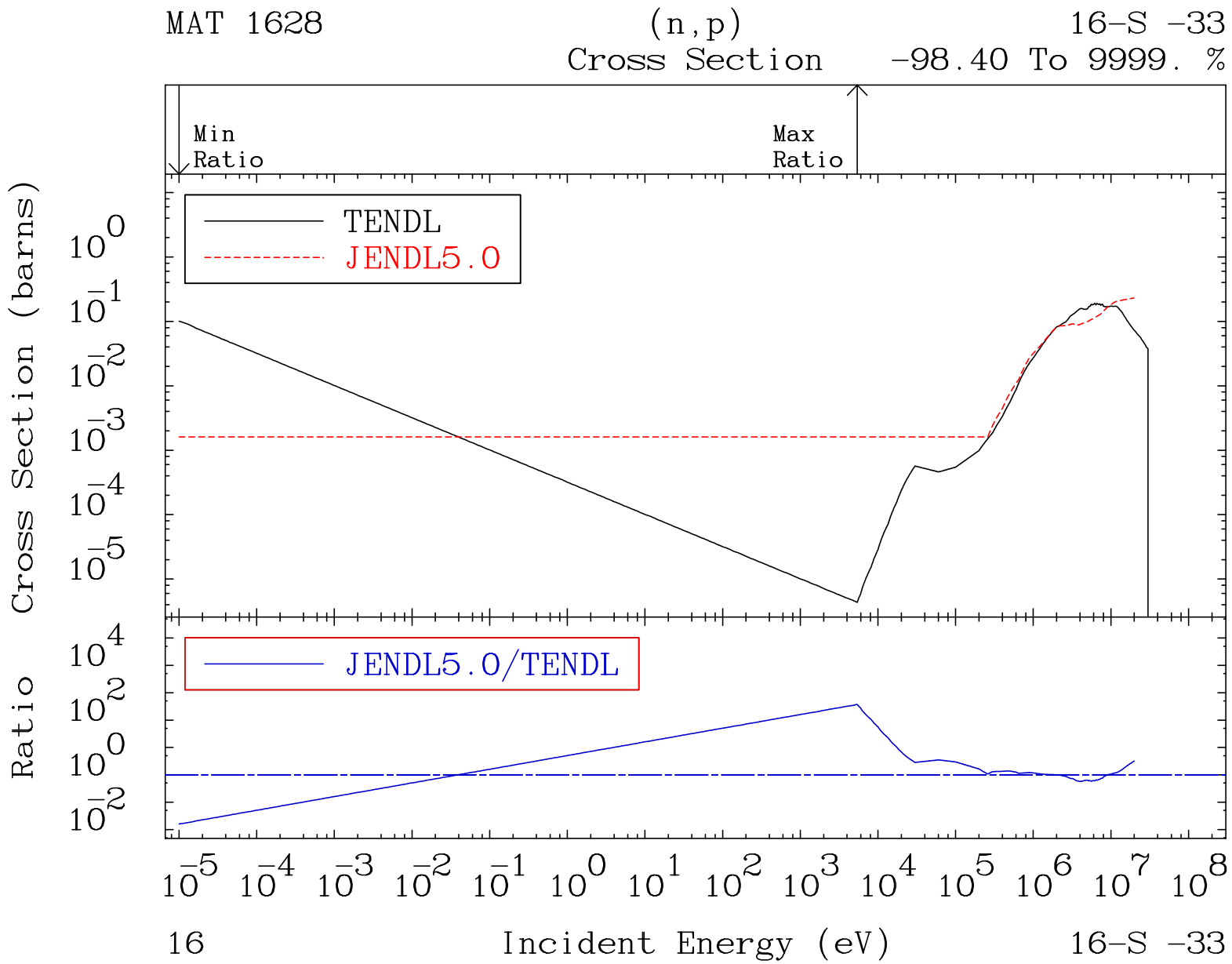

MAT 1628
MT= 55 (n,n') Level
16-S -33
Cross Section -64.68 To 279.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.0245 MeV
JENDL5.0 Threshold 3.0238 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^0
4
4
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
16-S -33

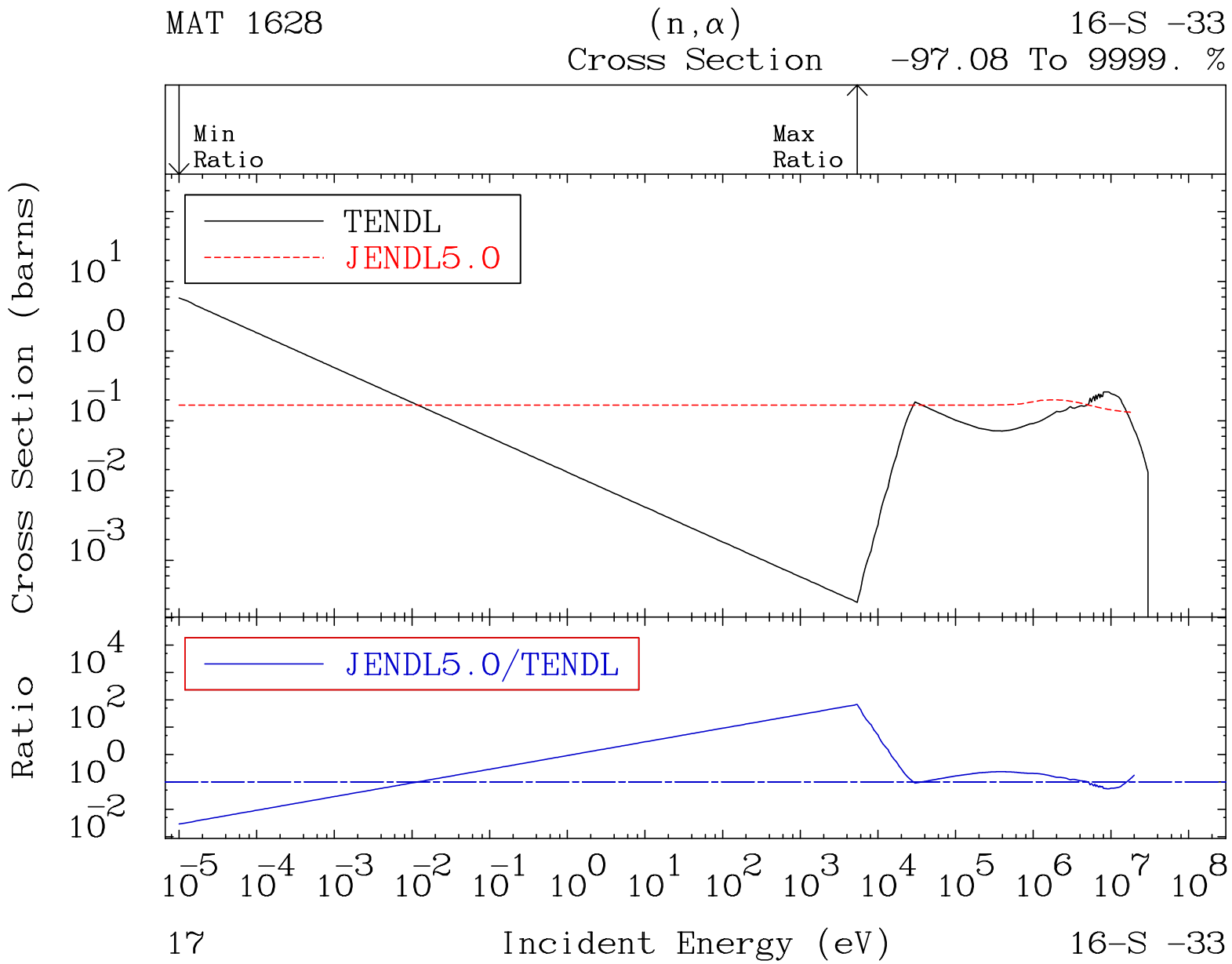

MAT 1628
MT= 56 (n,n') Level
16-S -33
Cross Section -62.94 To 278.7 %
Min Ratio
Max Ratio
TENDL Threshold 3.0600 MeV
JENDL5.0 Threshold 3.0600 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^0
4
4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
16-S -33

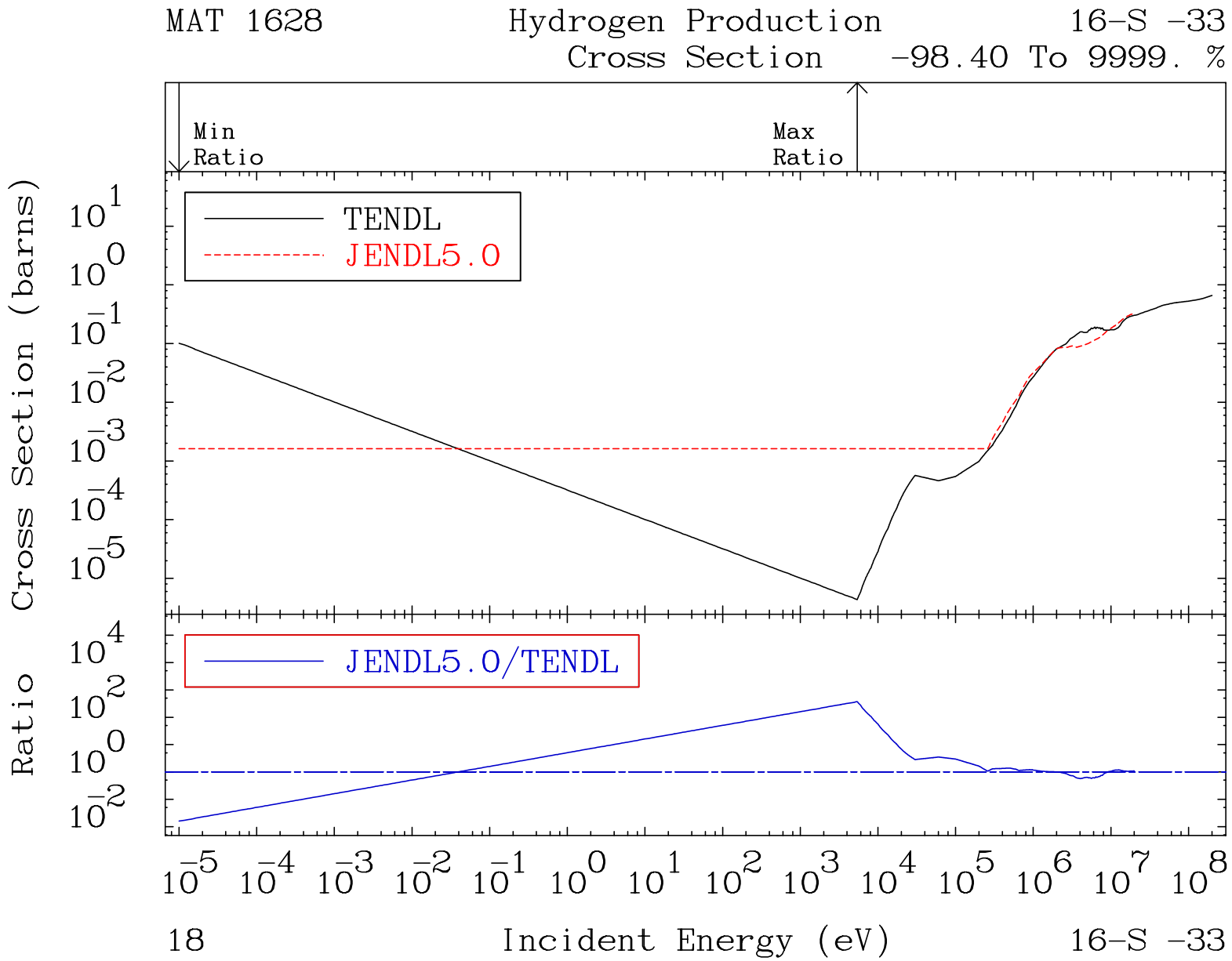

MAT 1628
MT= 57 (n,n') Level
16-S -33
Cross Section -69.66 To 283.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.3192 MeV
JENDL5.0 Threshold 3.3185 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
16-S -33

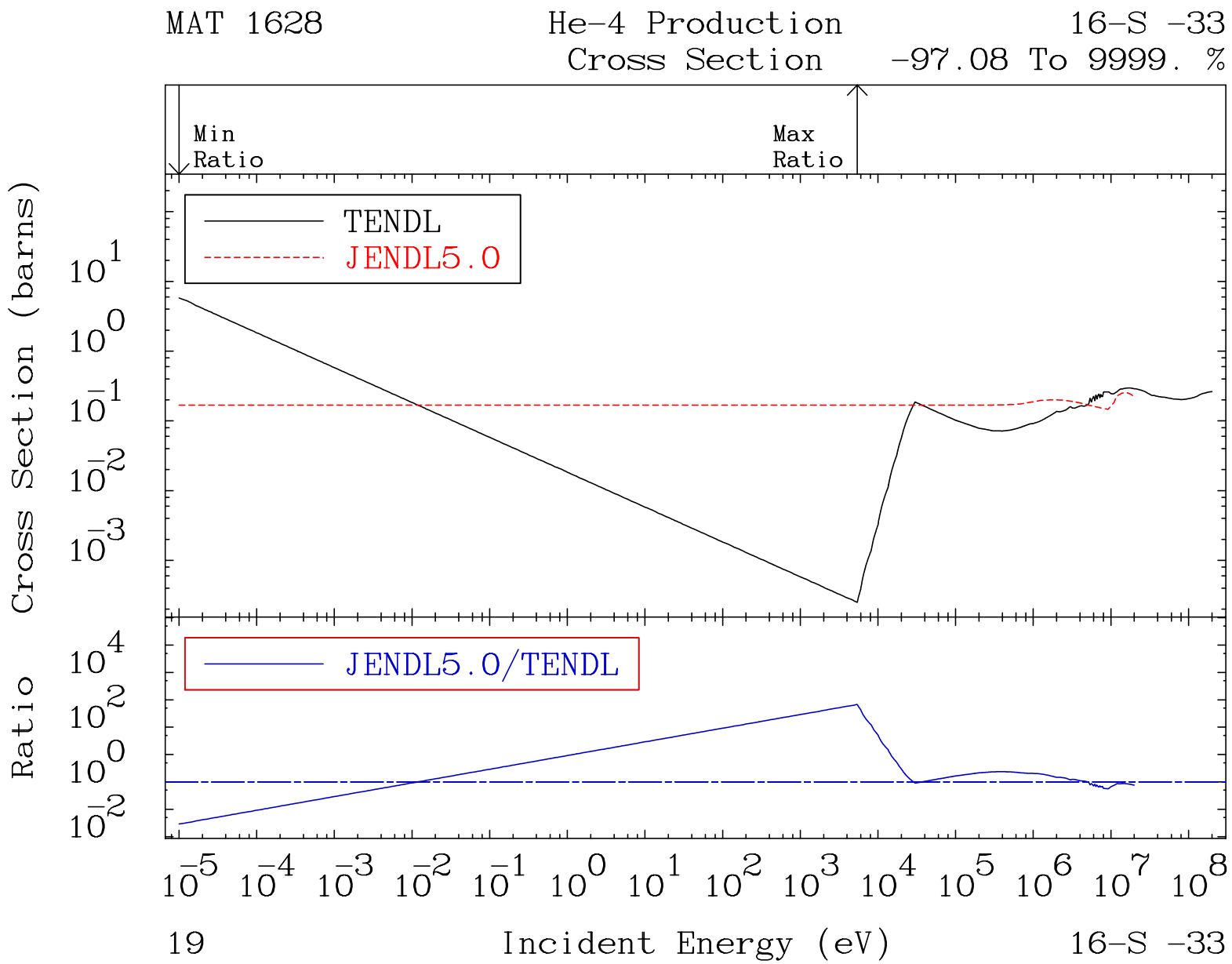

MAT 1628
(n,n') Continuum
Cross Section
16-S -33
-6.440 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.3364 MeV
JENDL5.0 Threshold 3.7101 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
10^2
10^1
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
14
16-S -33

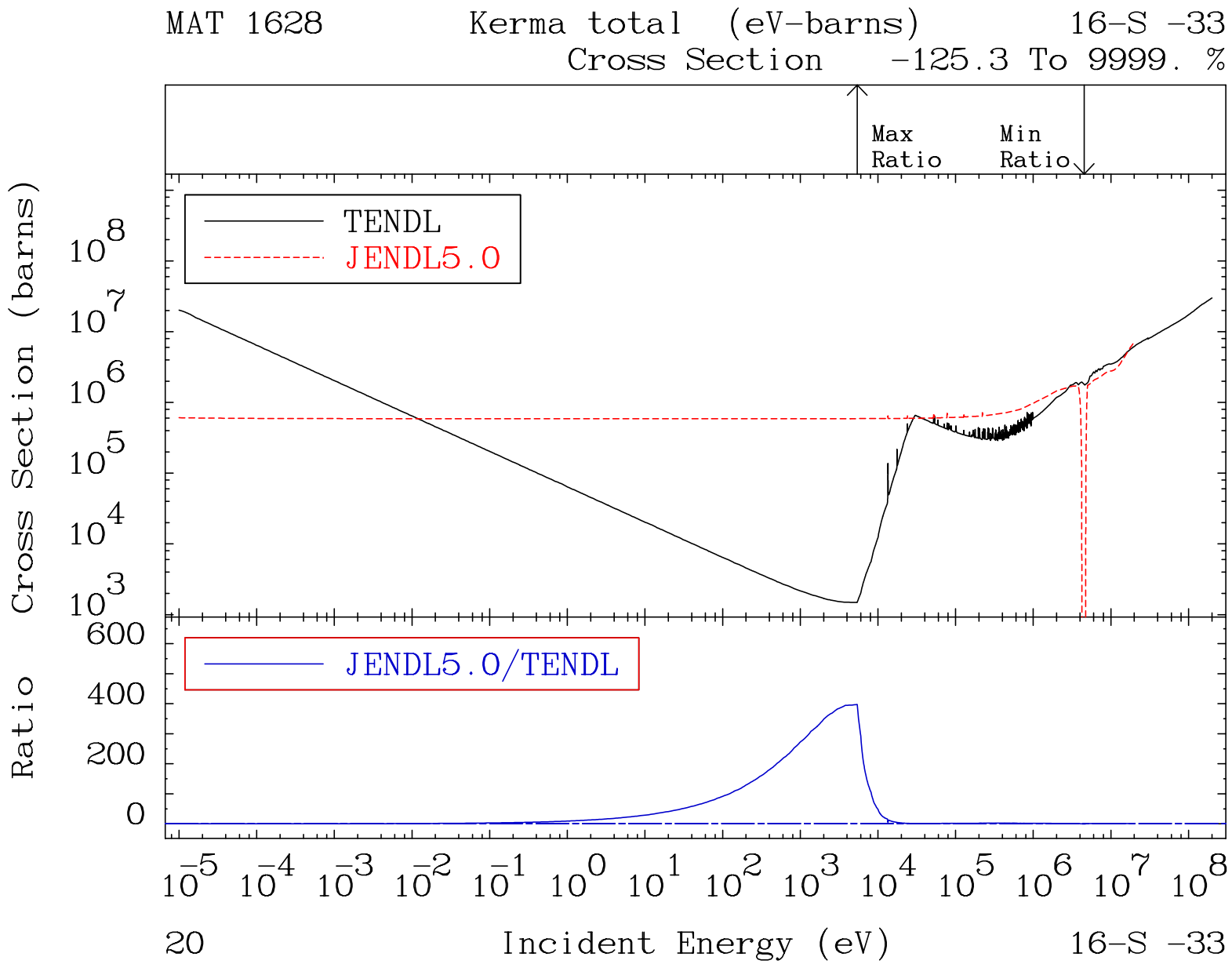

MAT 1628
(n,γ)
Cross Section
16-S -33
-100.0 To 742.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (barns)
Incident Energy (eV)
15
16-S -33

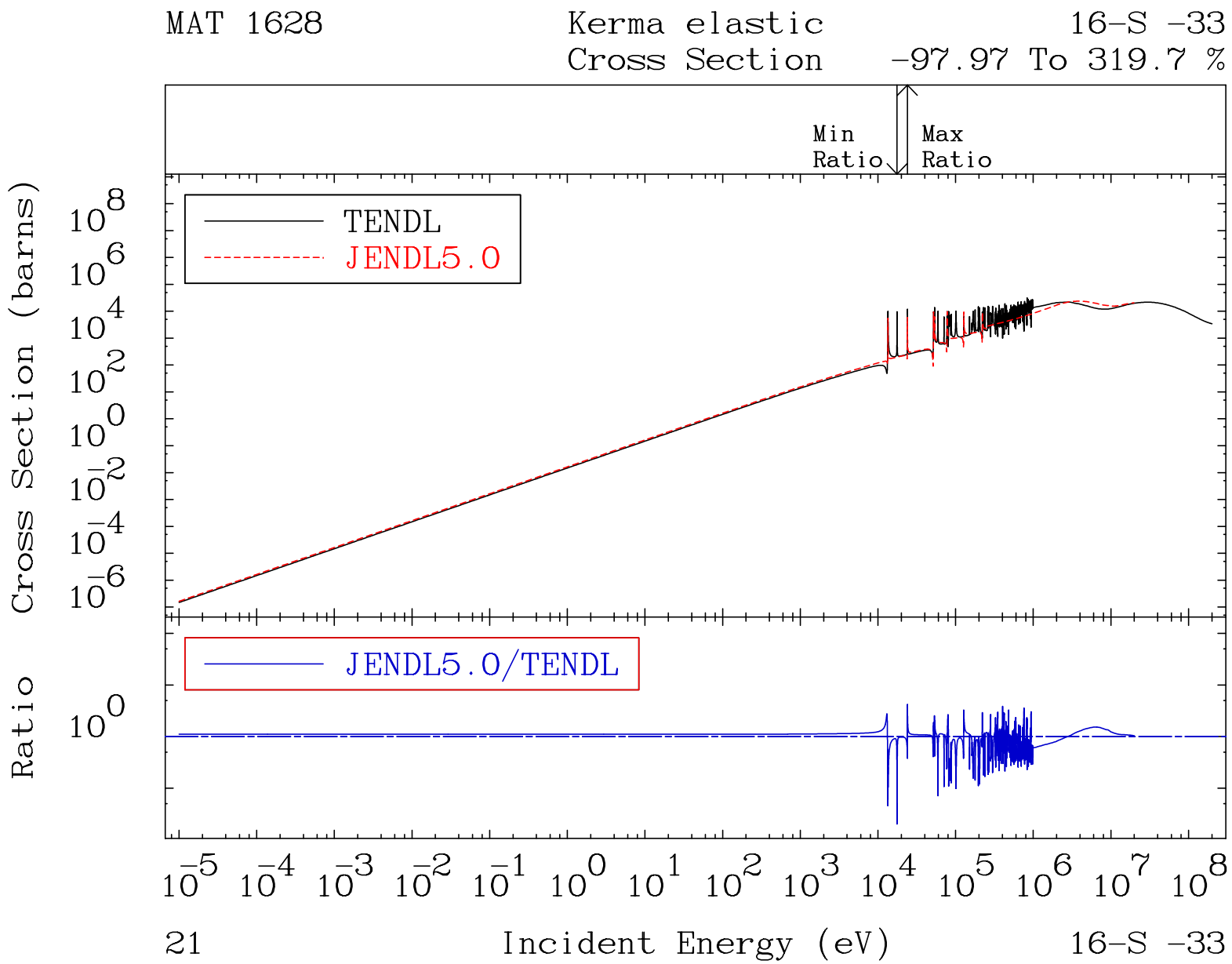

MAT 1628
(n,p)
16-S -33
Cross Section
-98.40 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
16
16-S -33

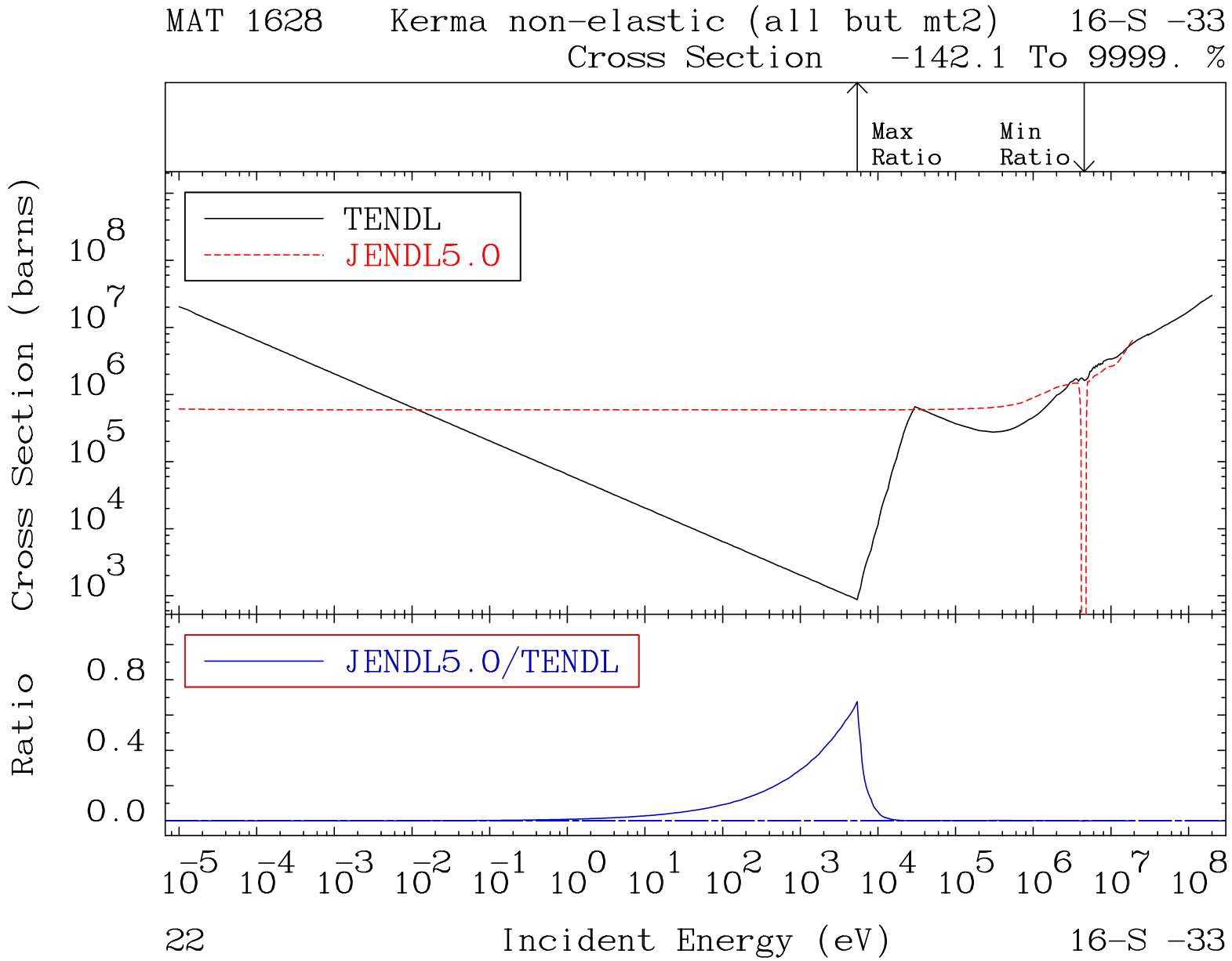

MAT 1628
(n,α)
16-S -33
Cross Section
-97.08 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
17
16-S -33

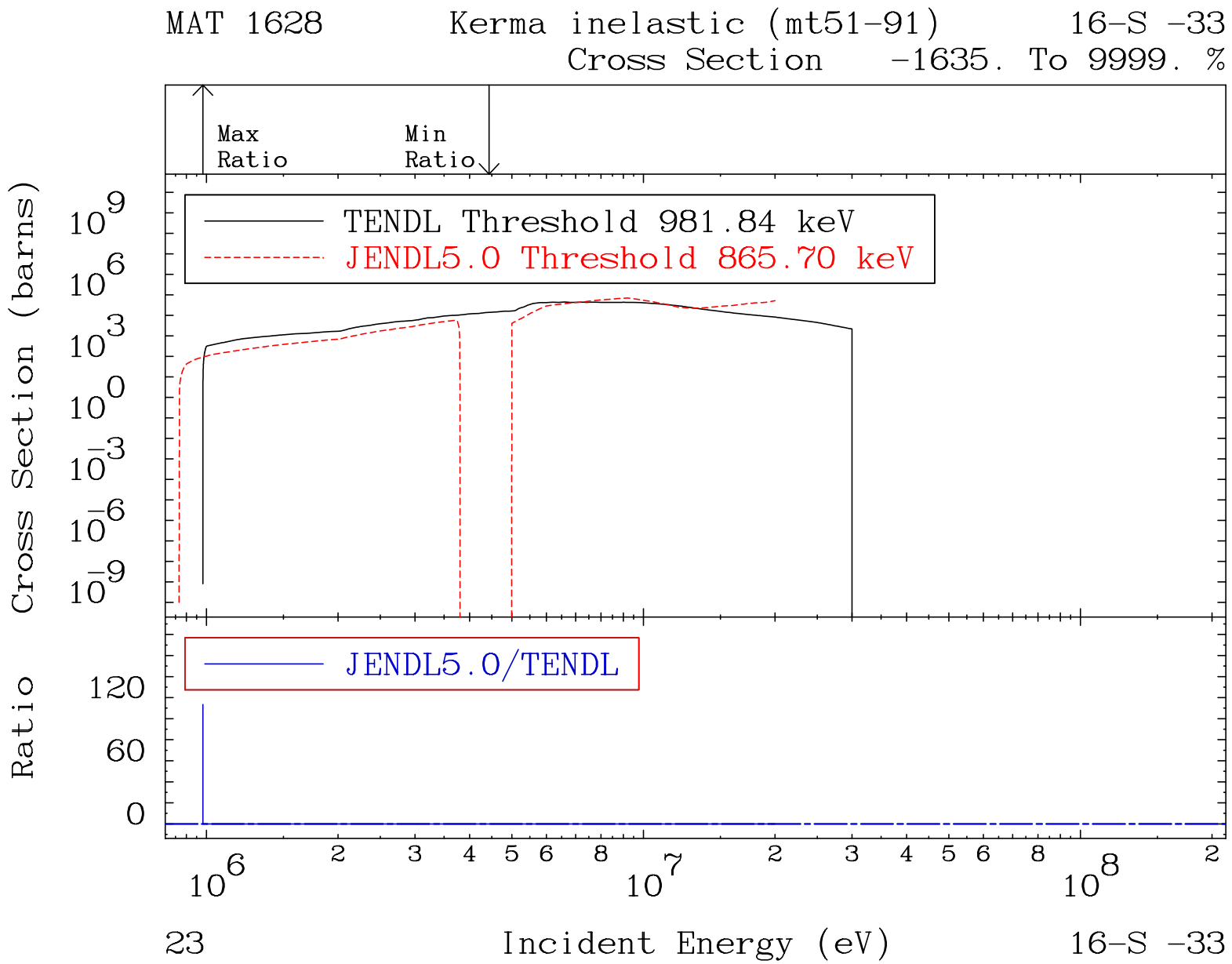

MAT 1628
Hydrogen Production
16-S -33
Cross Section
-98.40 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
18
16-S -33

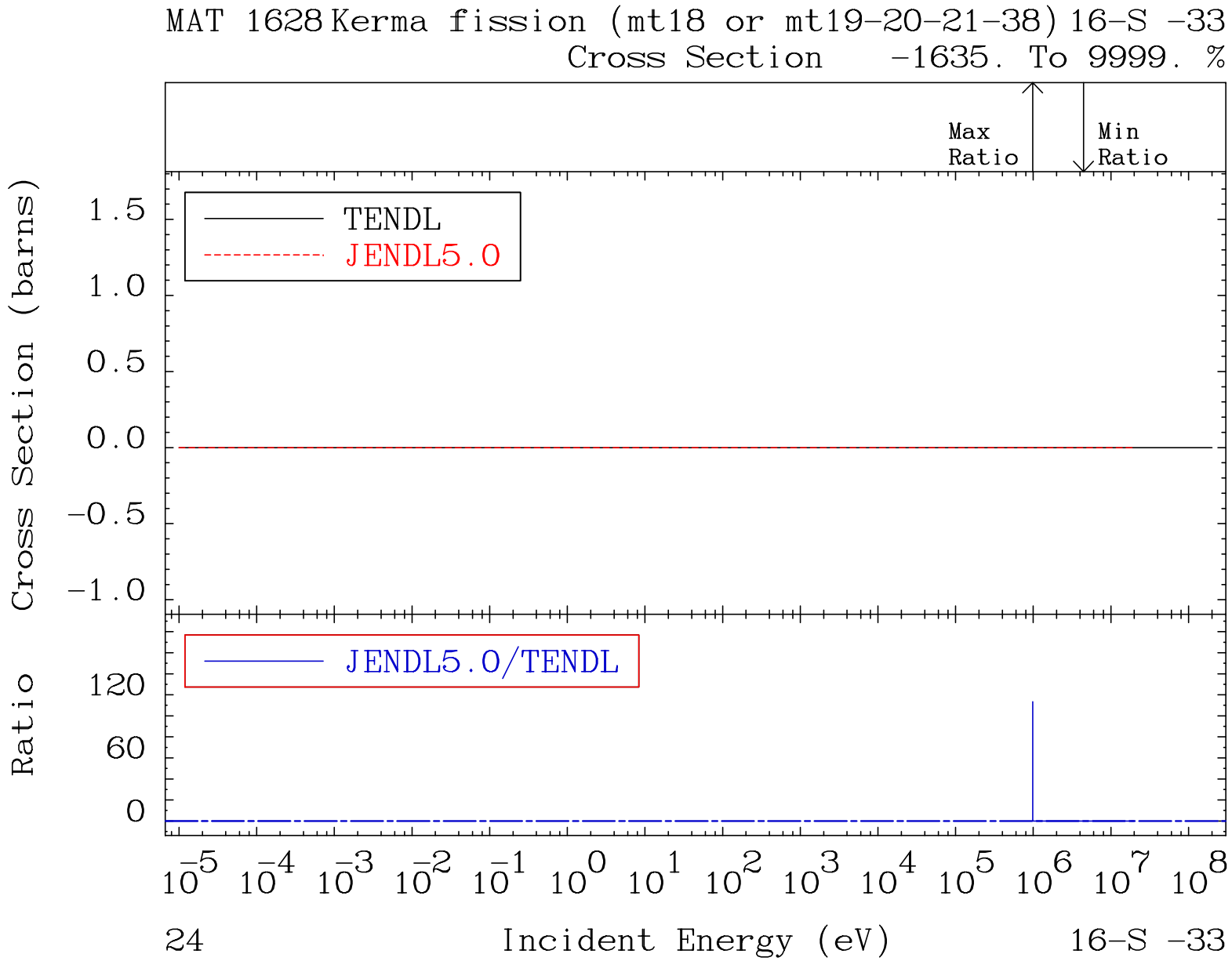

MAT 1628
He-4 Production
Cross Section
16-S -33
-97.08 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
19
16-S -33

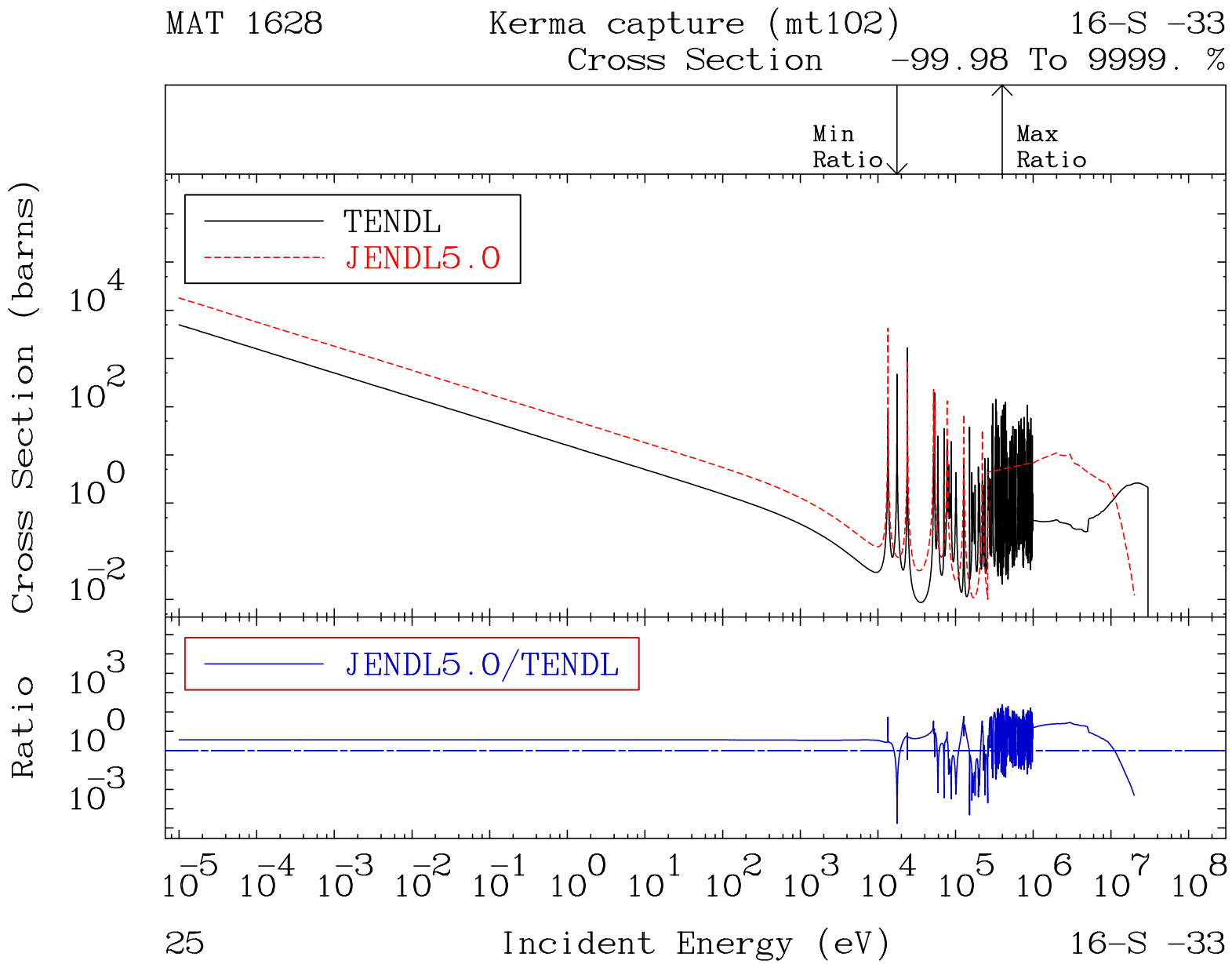

MAT 1628
Kerma total (eV-barns)
16-S -33
Cross Section -125.3 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
20
16-S -33

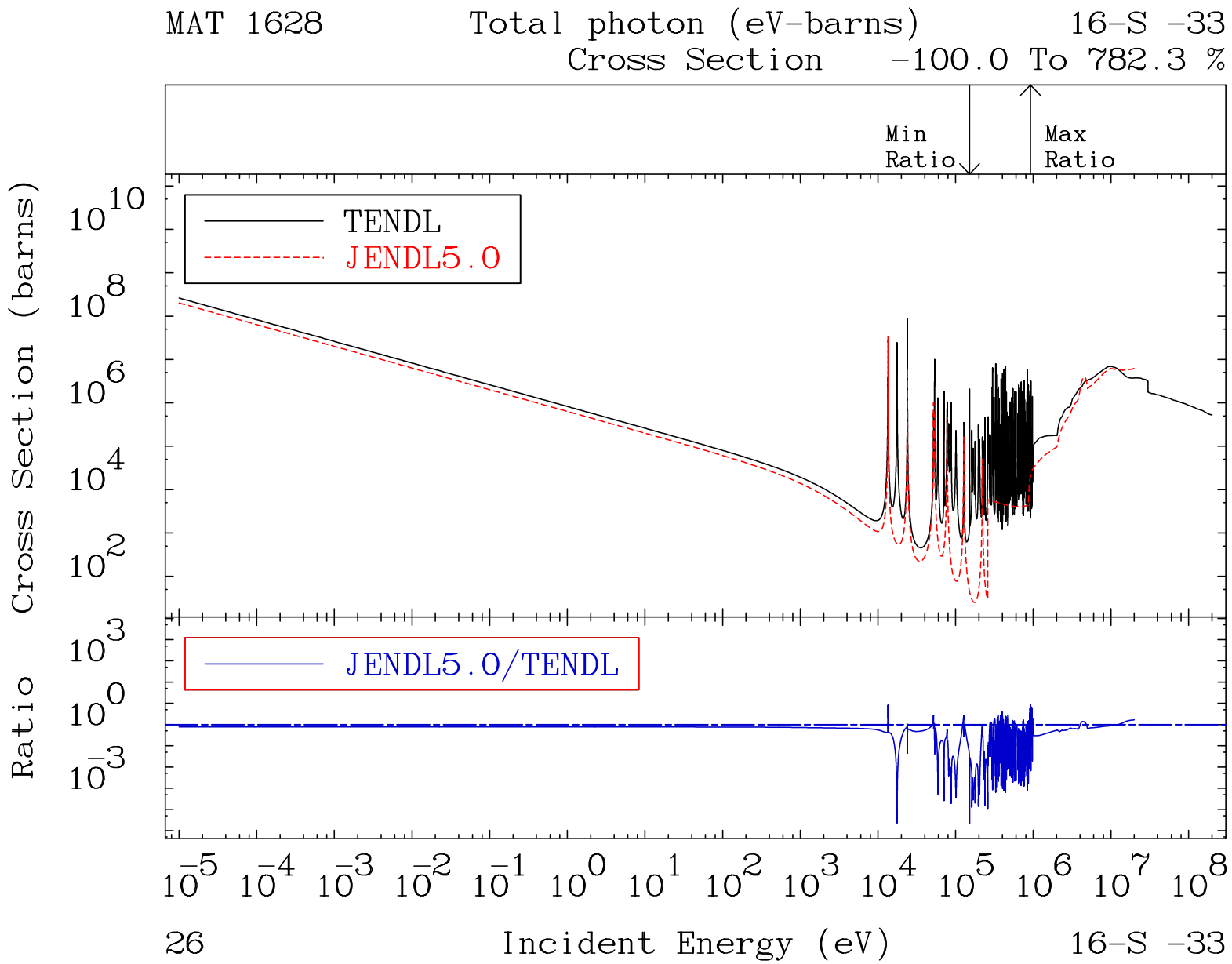

MAT 1628
Kerma elastic
Cross Section
16-S -33
-97.97 To 319.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
21
16-S -33

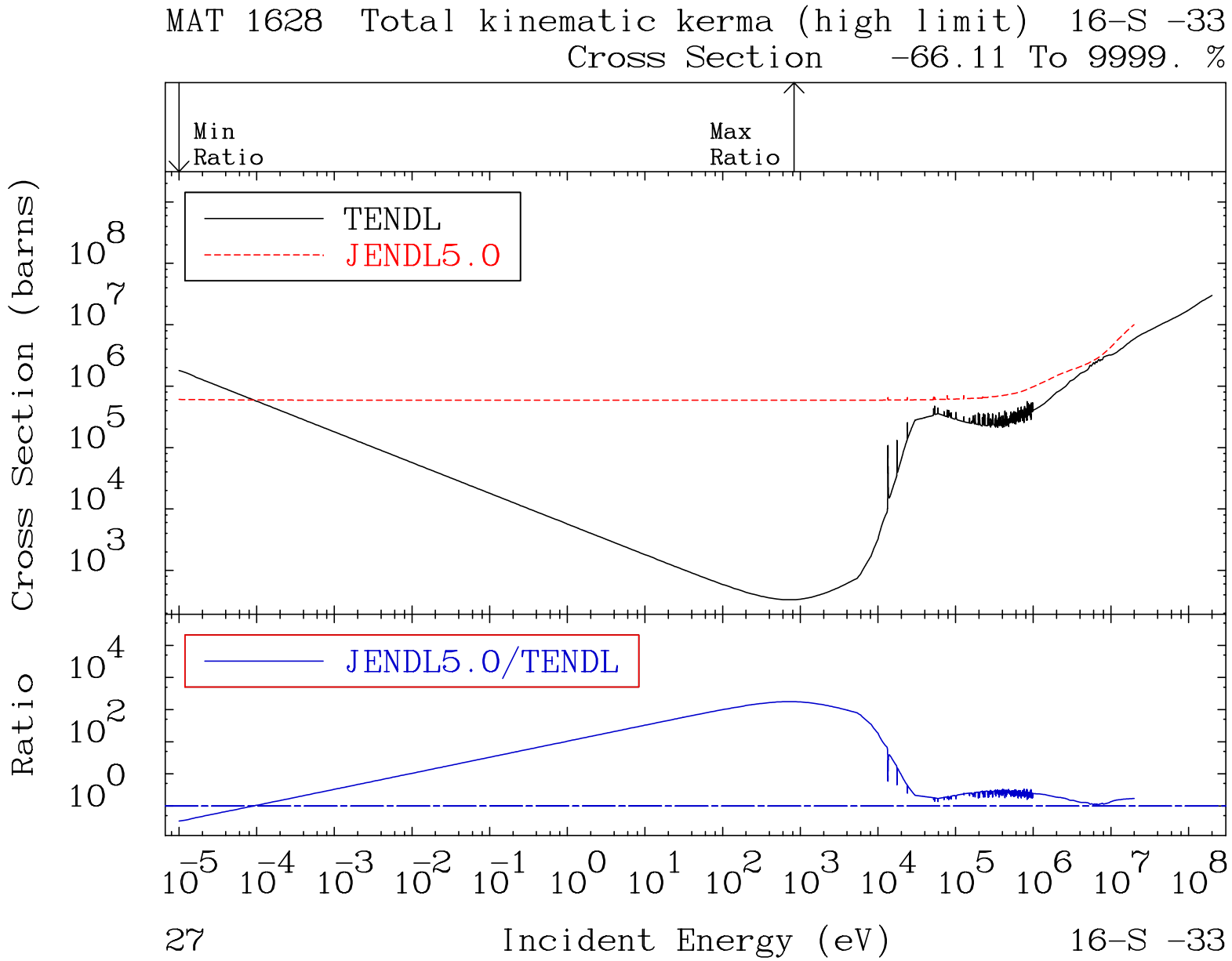

MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
Cross Section -142.1 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^8
10^7
10^6
10^5
10^4
10^3
JENDL5.0/TENDL
Ratio
0.8
0.4
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
22
Incident Energy (eV)
16-S -33

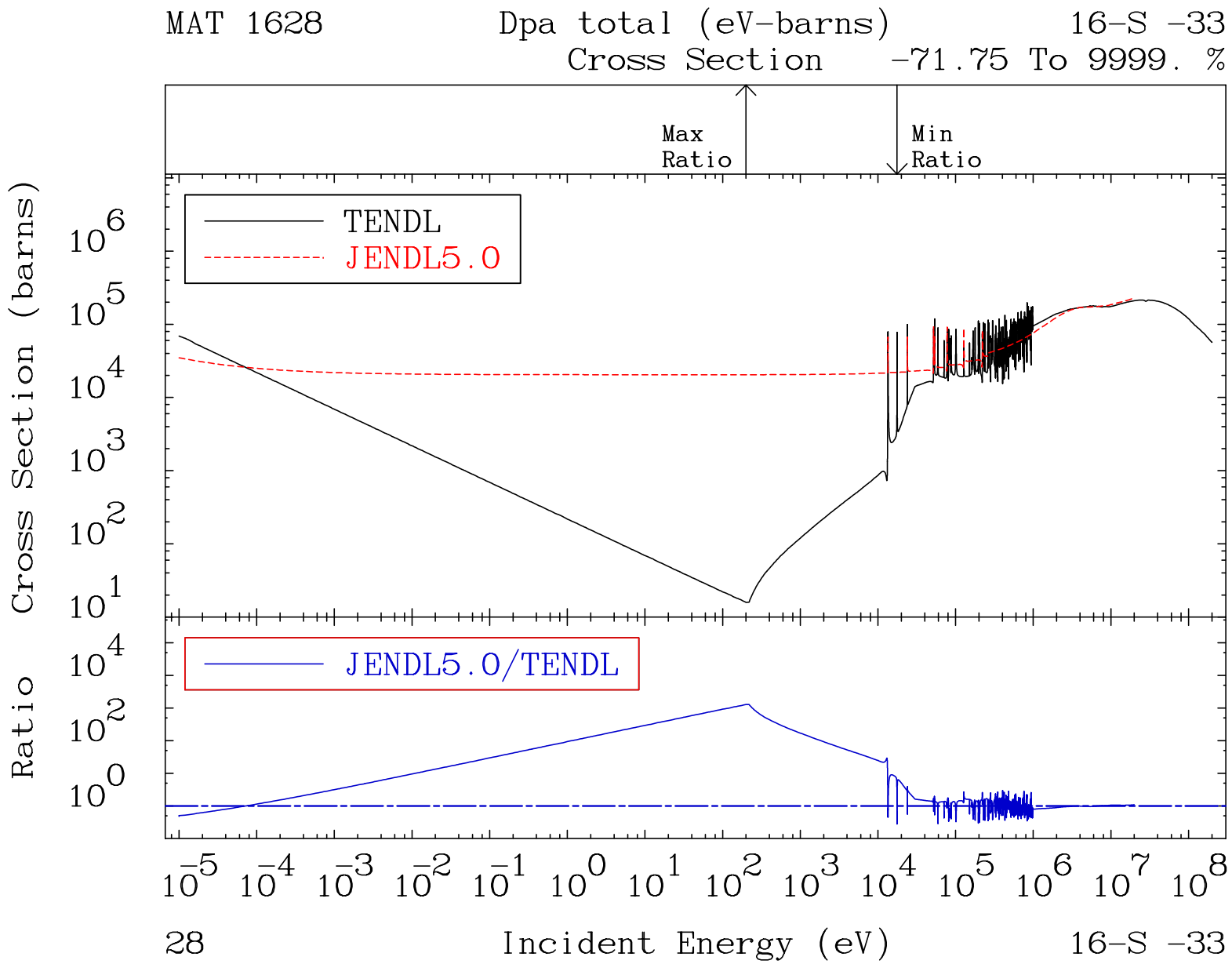

MAT 1628
Kerma inelastic (mt51-91)
16-S -33
Cross Section -1635. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 981.84 keV
JENDL5.0 Threshold 865.70 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
16-S -33

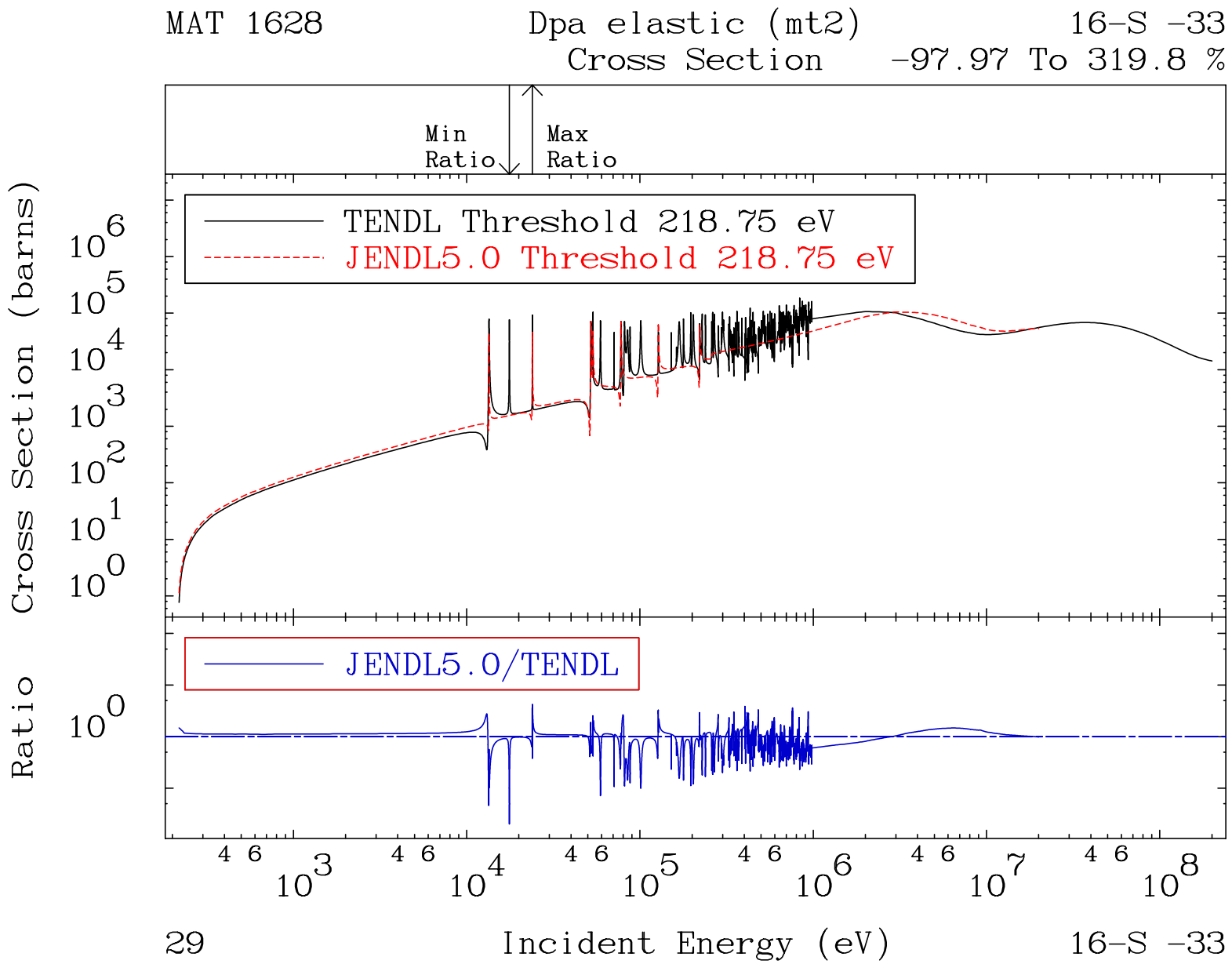

MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
Cross Section -1635. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
24
Incident Energy (eV)
16-S -33

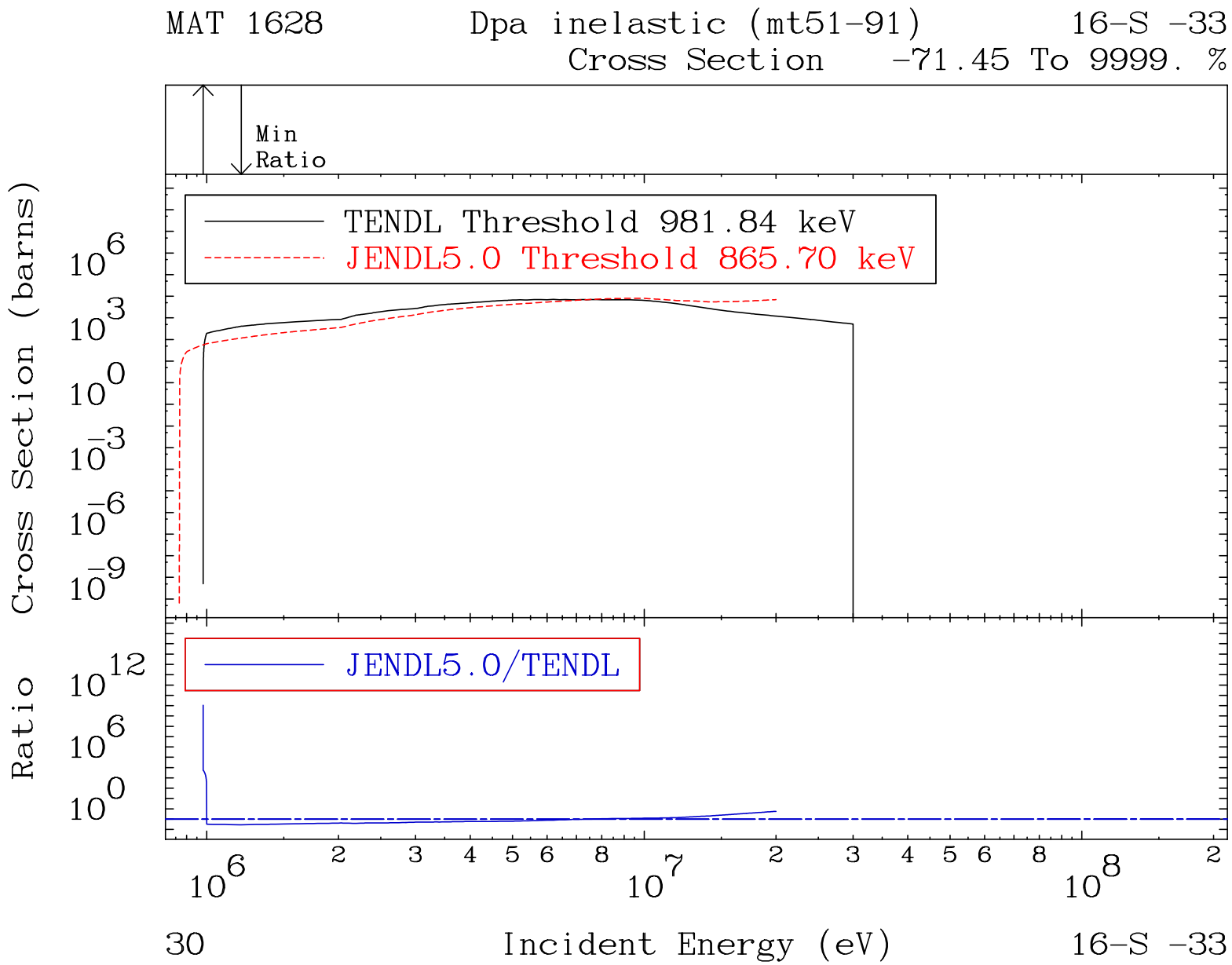

MAT 1628
Kerma capture (mt102)
16-S -33
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
16-S -33

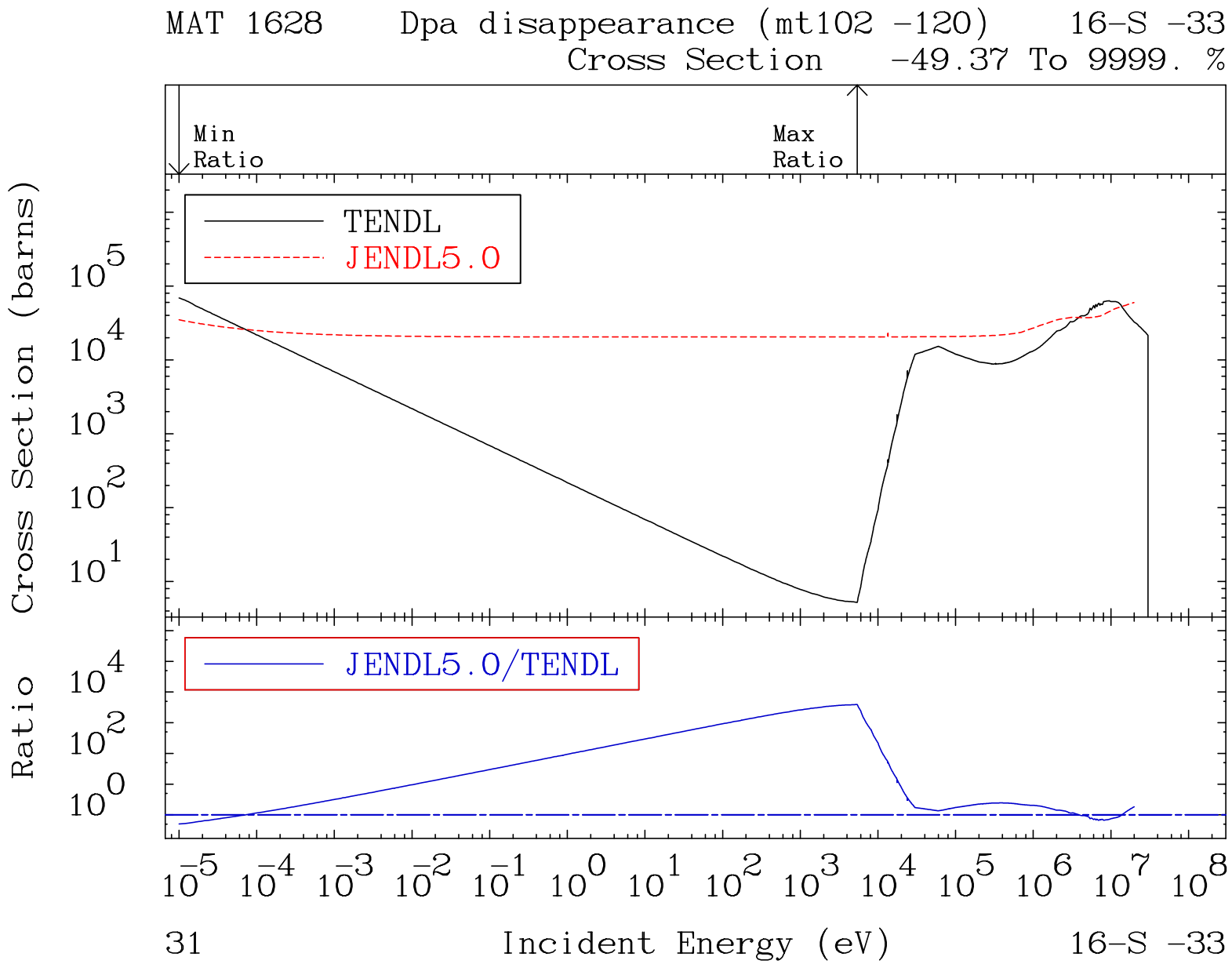

MAT 1628
Total photon (eV-barns)
16-S -33
Cross Section -100.0 To 782.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
16-S -33

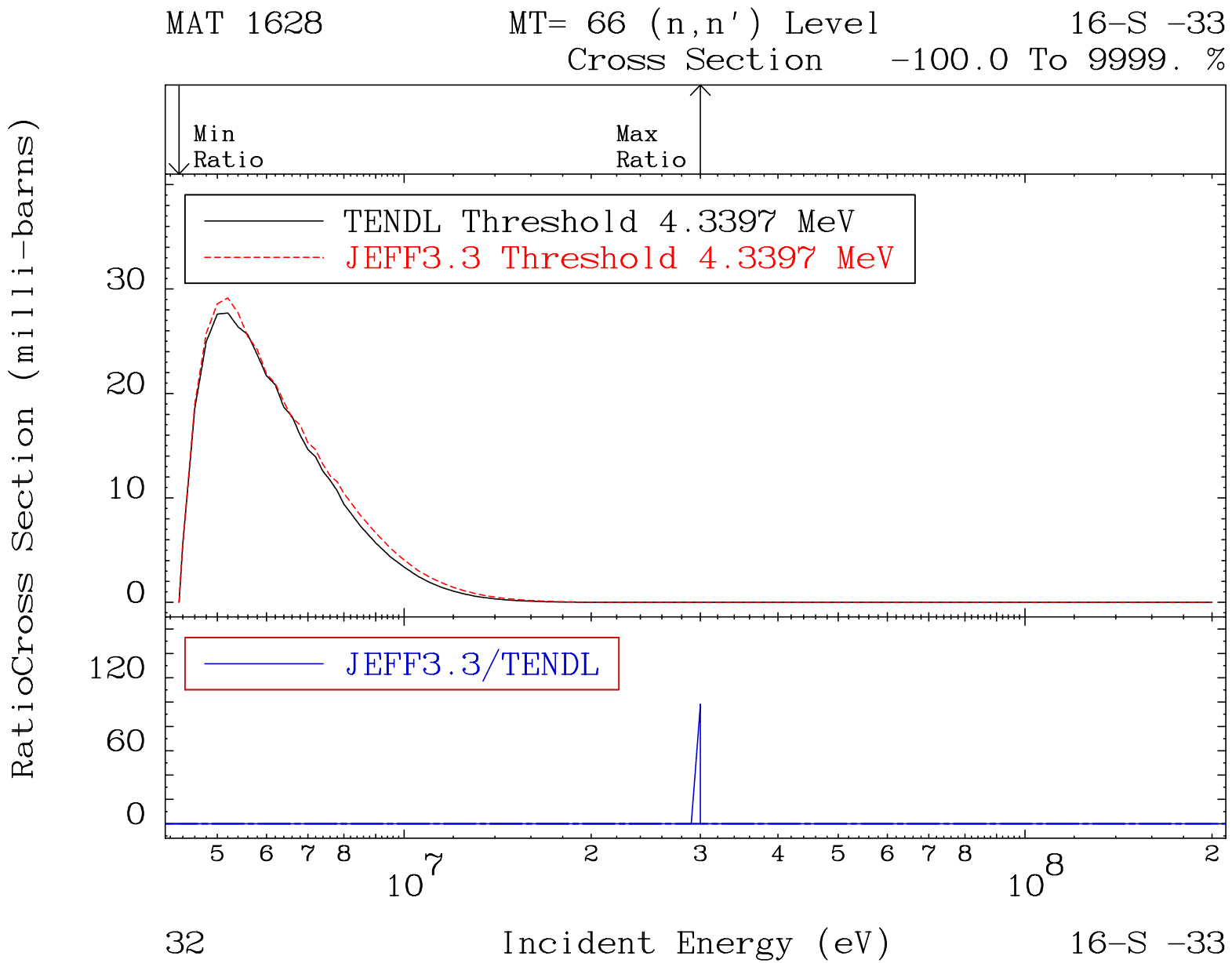

MAT 1628 Total kinematic kerma (high limit) 16-S -33
Cross Section -66.11 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
16-S -33

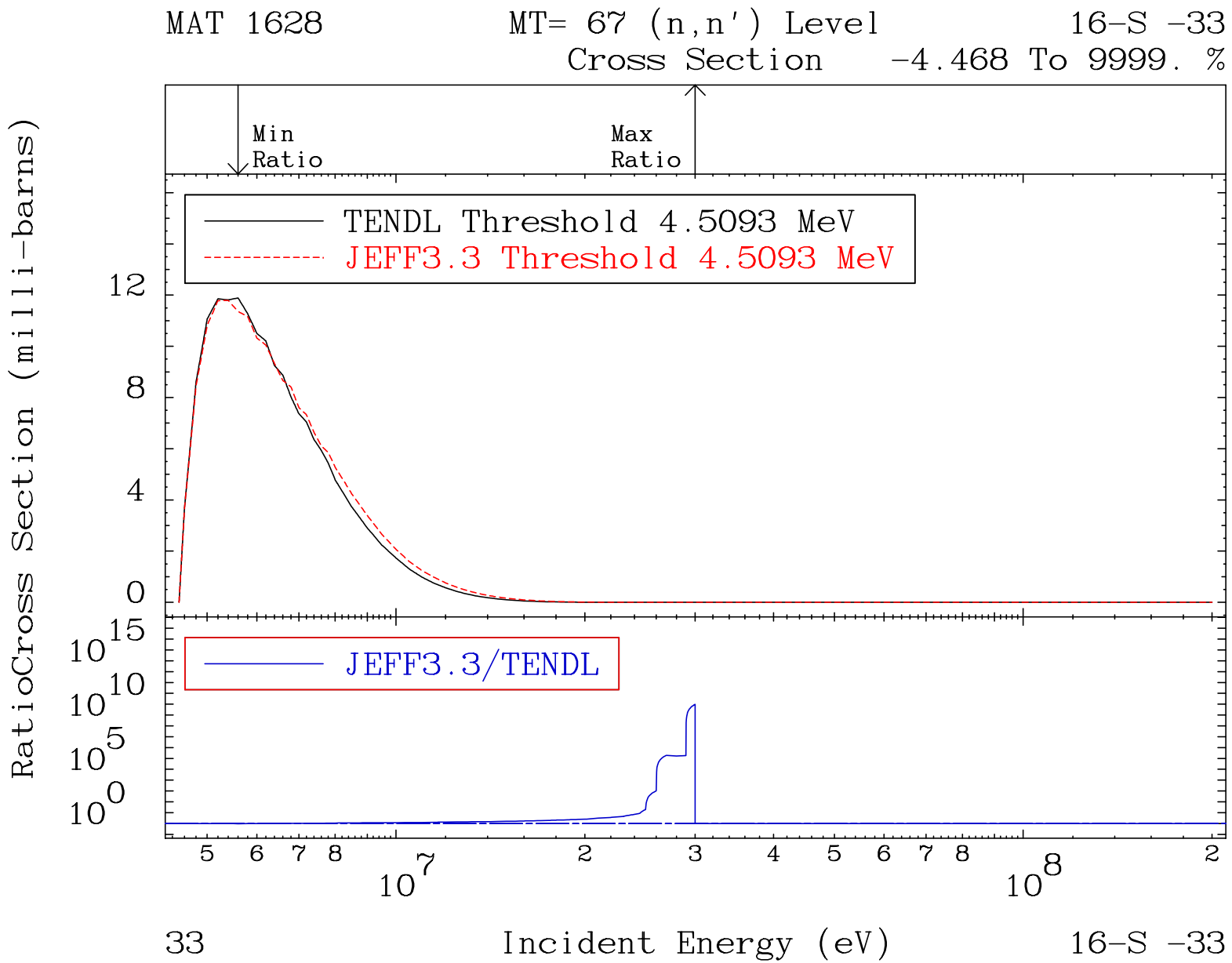

MAT 1628
Dpa total (eV-barns)
16-S -33
Cross Section -71.75 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
28
Incident Energy (eV)
16-S -33

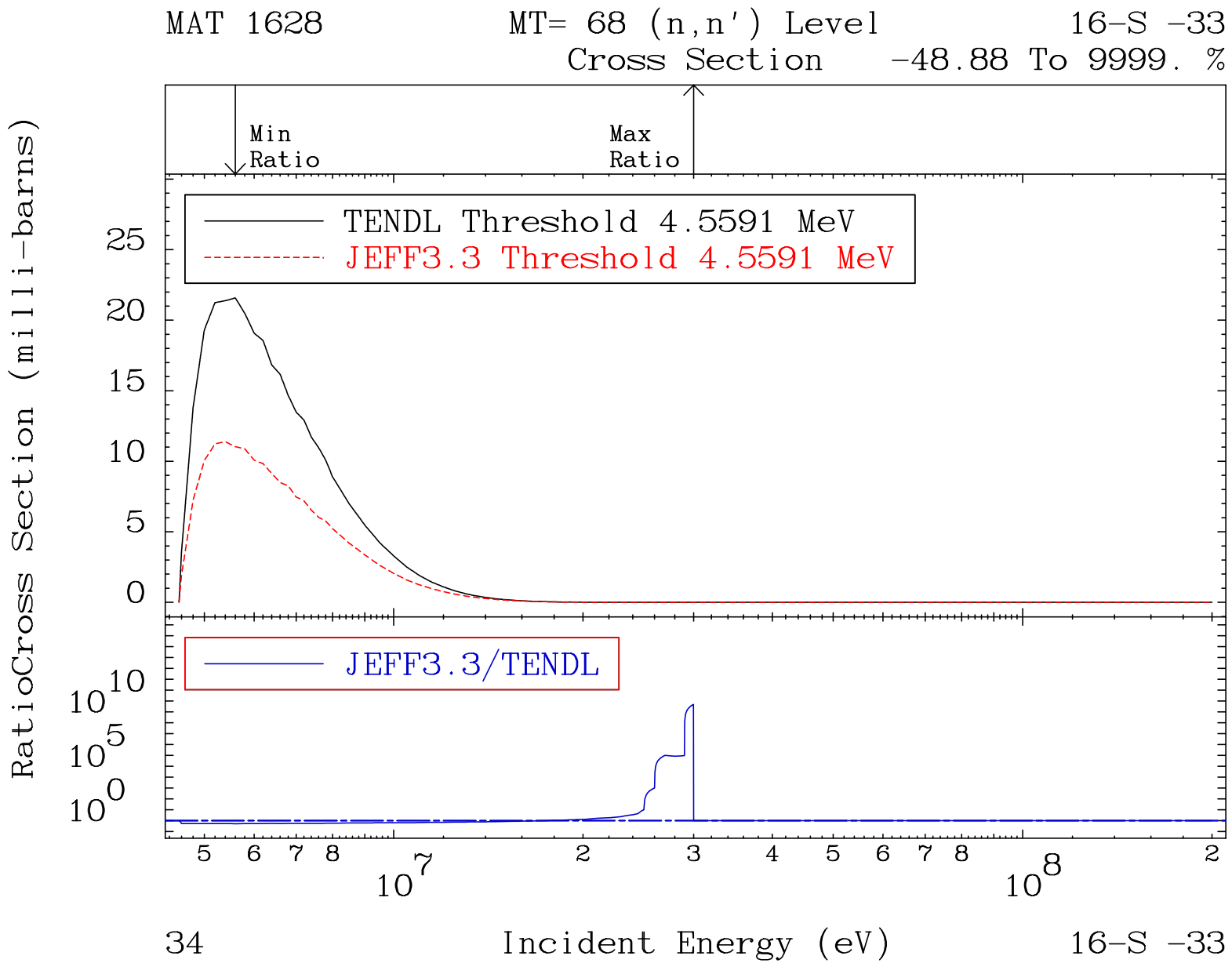

MAT 1628
Dpa elastic (mt2)
Cross Section
16-S -33
-97.97 To 319.8 %
Min Ratio
Max Ratio
TENDL Threshold 218.75 eV
JENDL5.0 Threshold 218.75 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
16-S -33

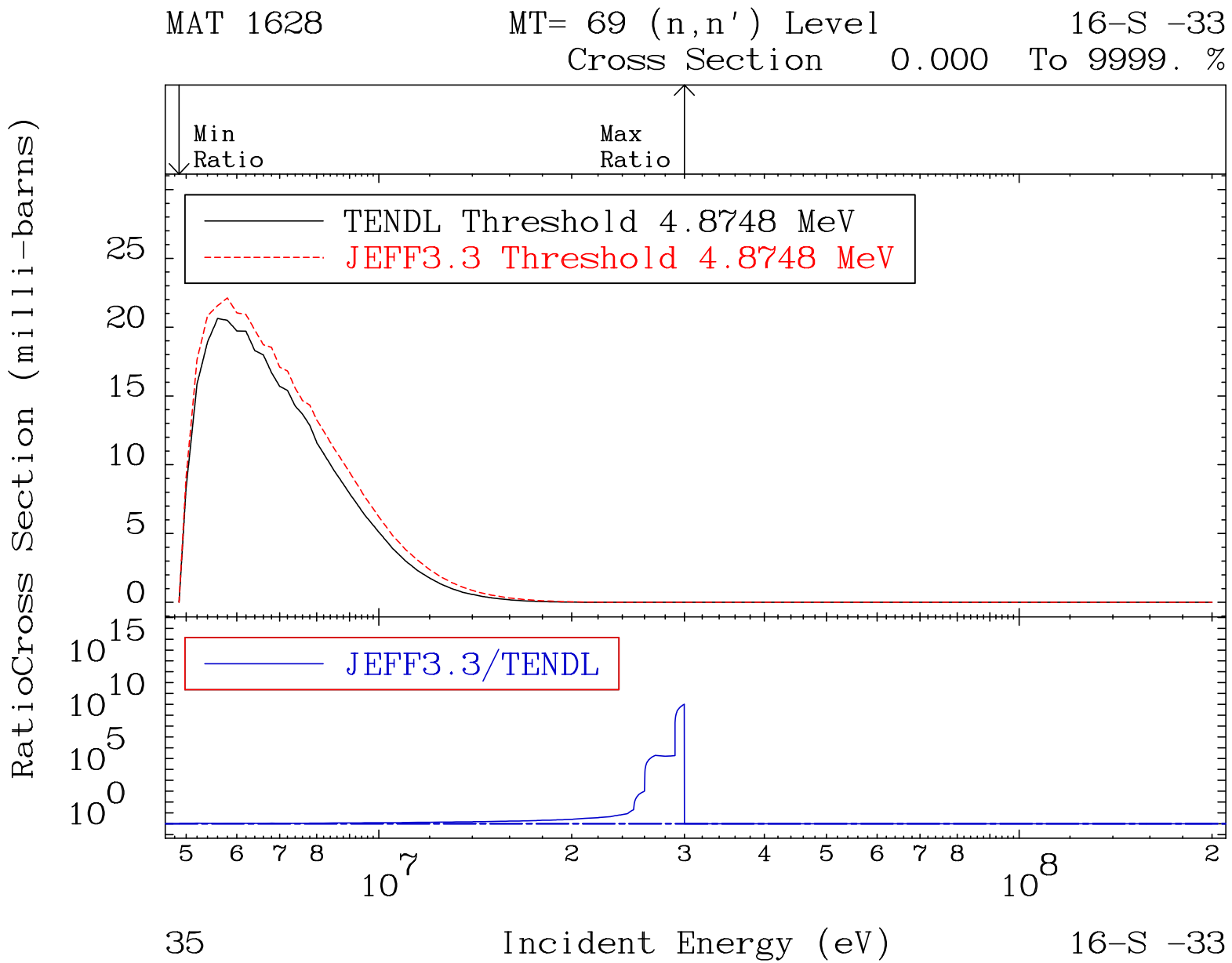

MAT 1628
Dpa inelastic (mt51-91)
16-S -33
Cross Section -71.45 To 9999. %
Min
Ratio
TENDL Threshold 981.84 keV
JENDL5.0 Threshold 865.70 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
30
16-S -33

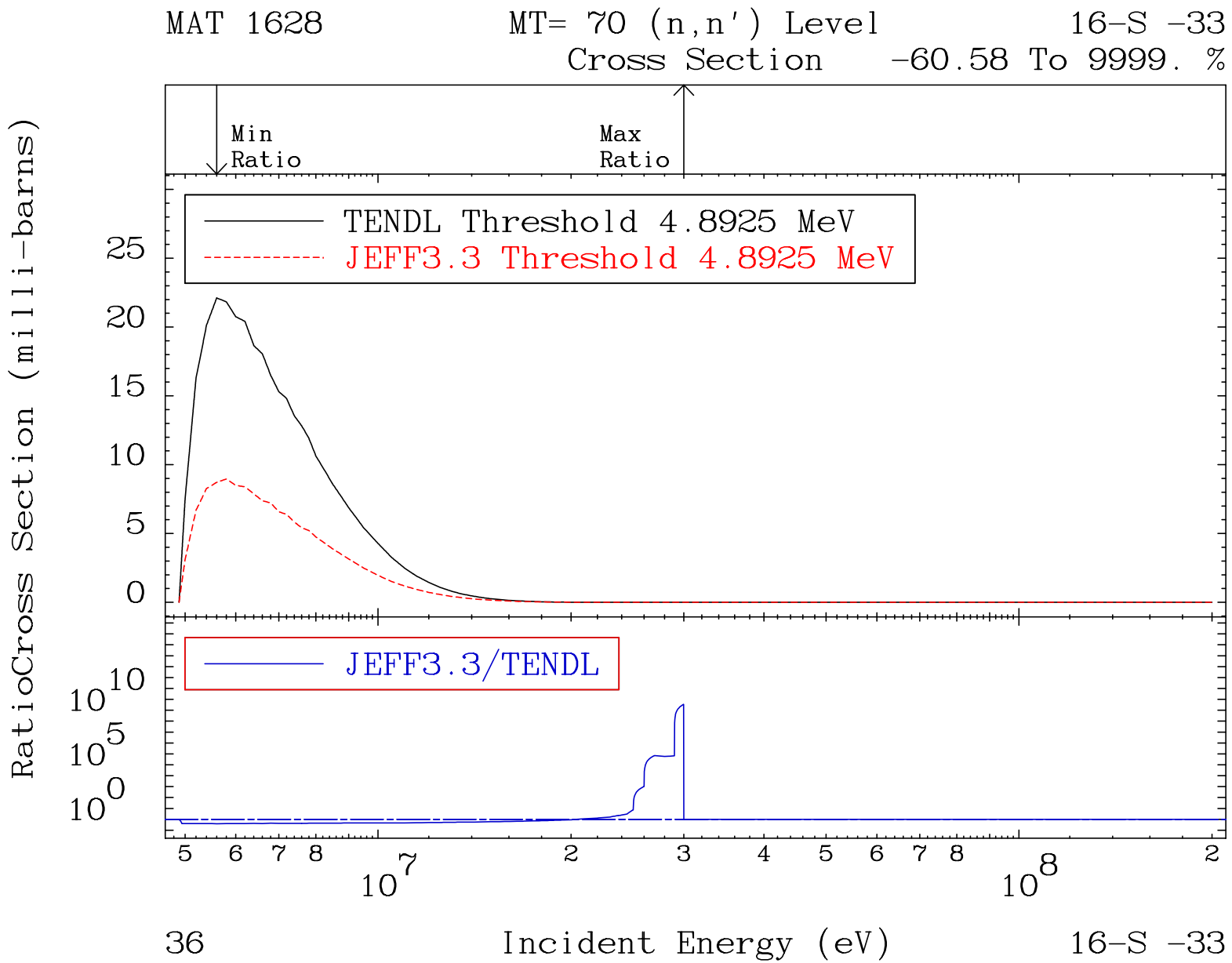

MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
Cross Section -49.37 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
31
16-S -33

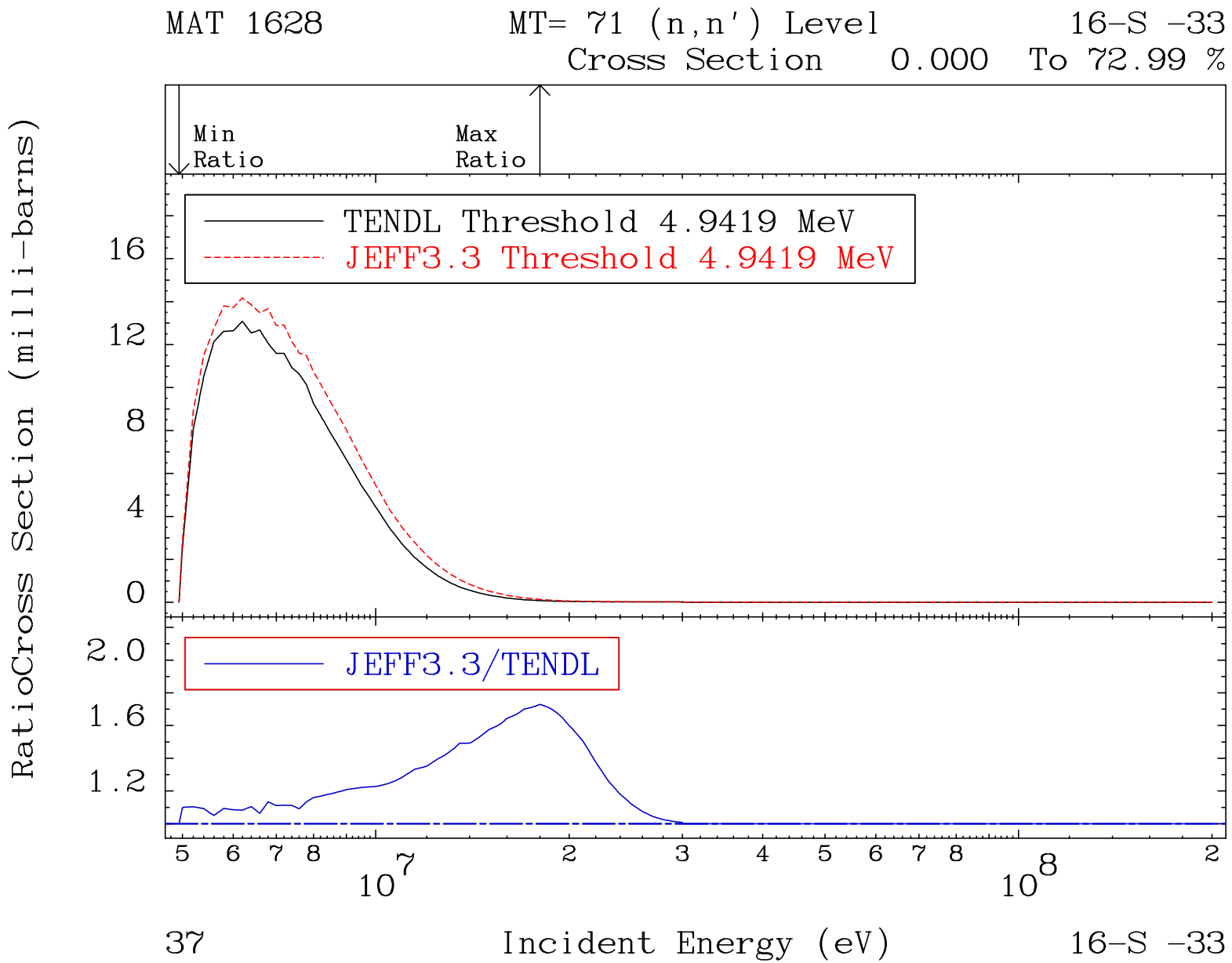

MAT 1628
MT= 66 (n,n') Level
16-S -33
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.3397 MeV
JEFF3.3 Threshold 4.3397 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
120
60
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
16-S -33

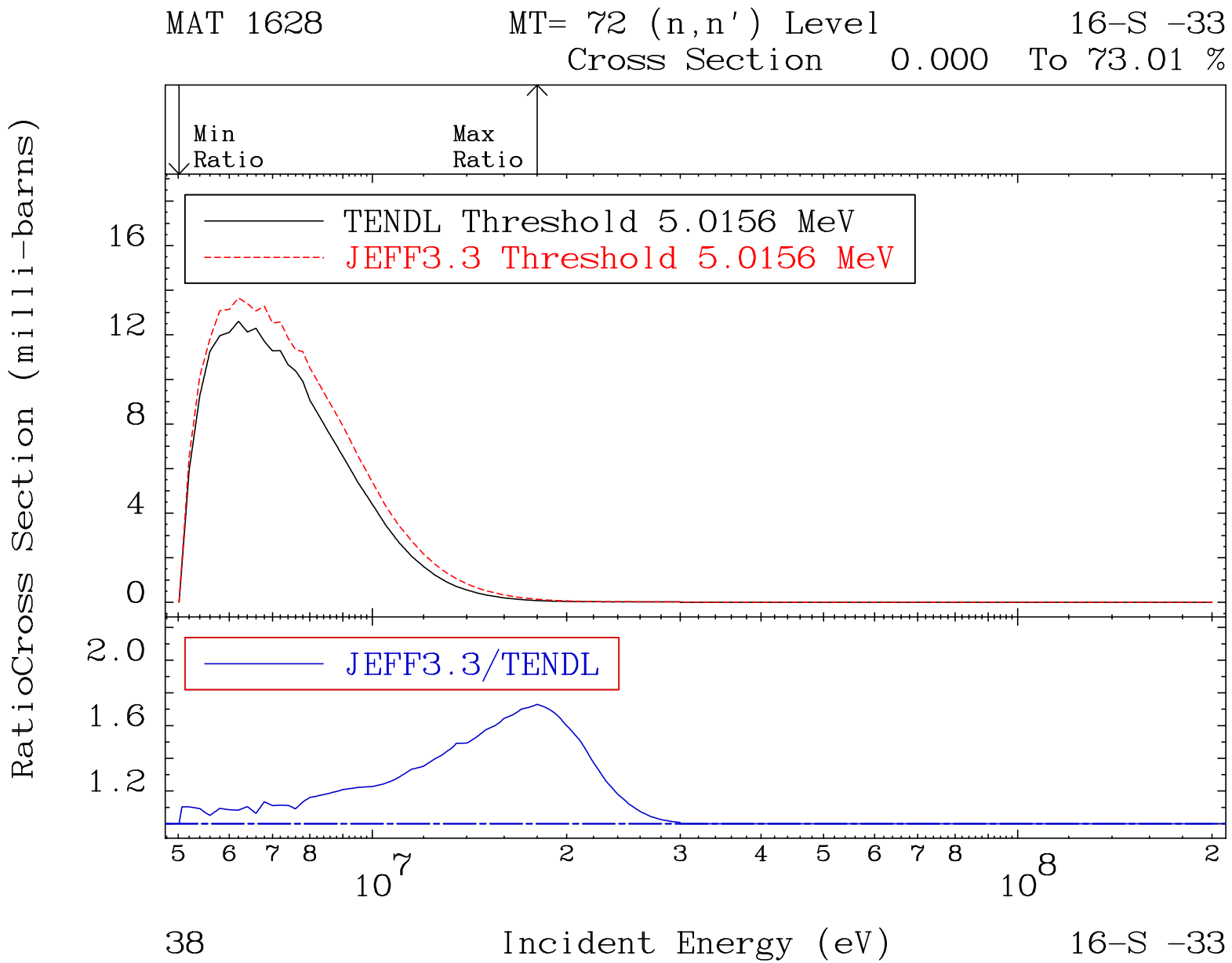

MAT 1628
MT= 67 (n,n') Level
16-S -33
Cross Section -4.468 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.5093 MeV
JEFF3.3 Threshold 4.5093 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
16-S -33

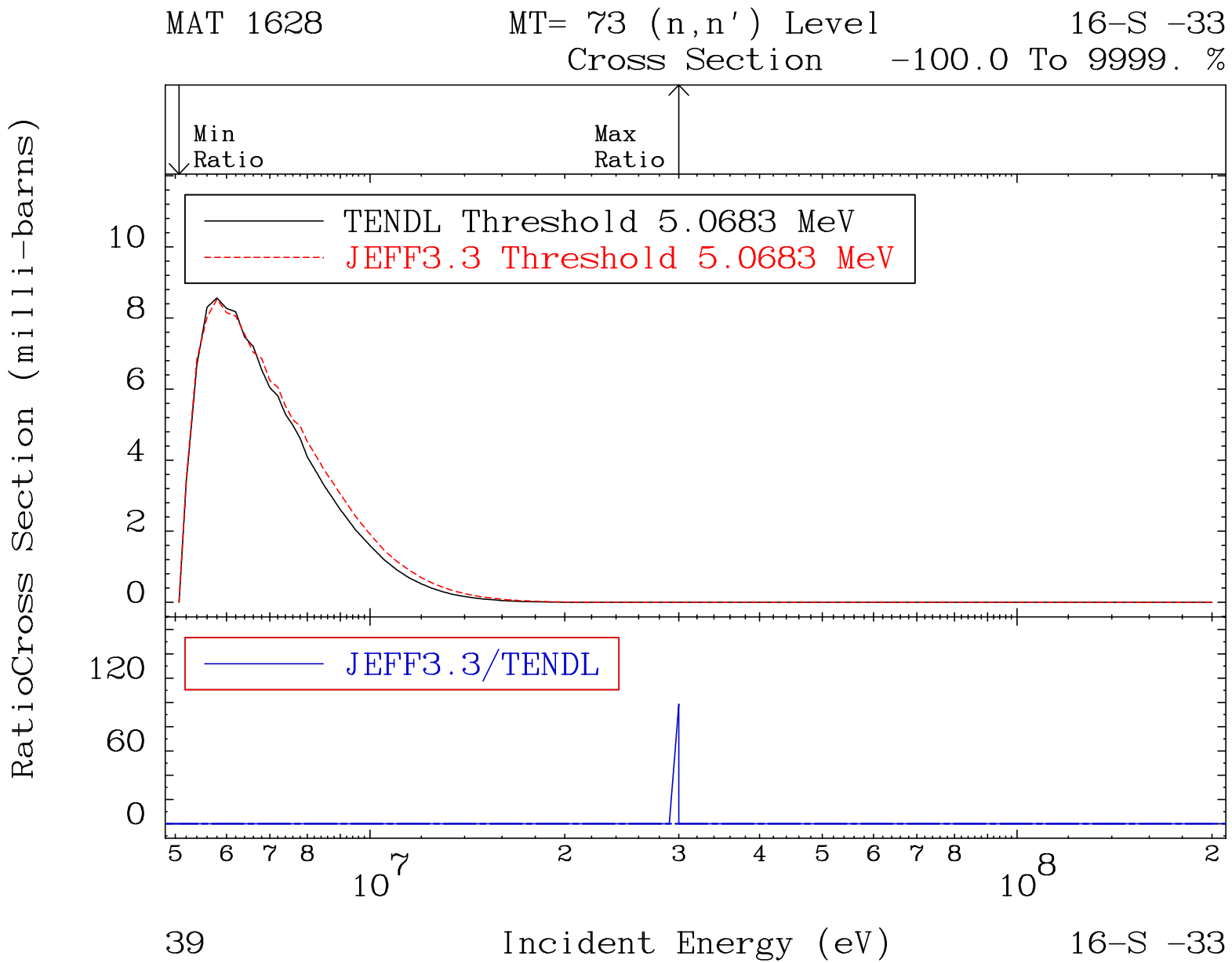

MAT 1628
MT= 68 (n,n') Level
16-S -33
Cross Section -48.88 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.5591 MeV
JEFF3.3 Threshold 4.5591 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
16-S -33

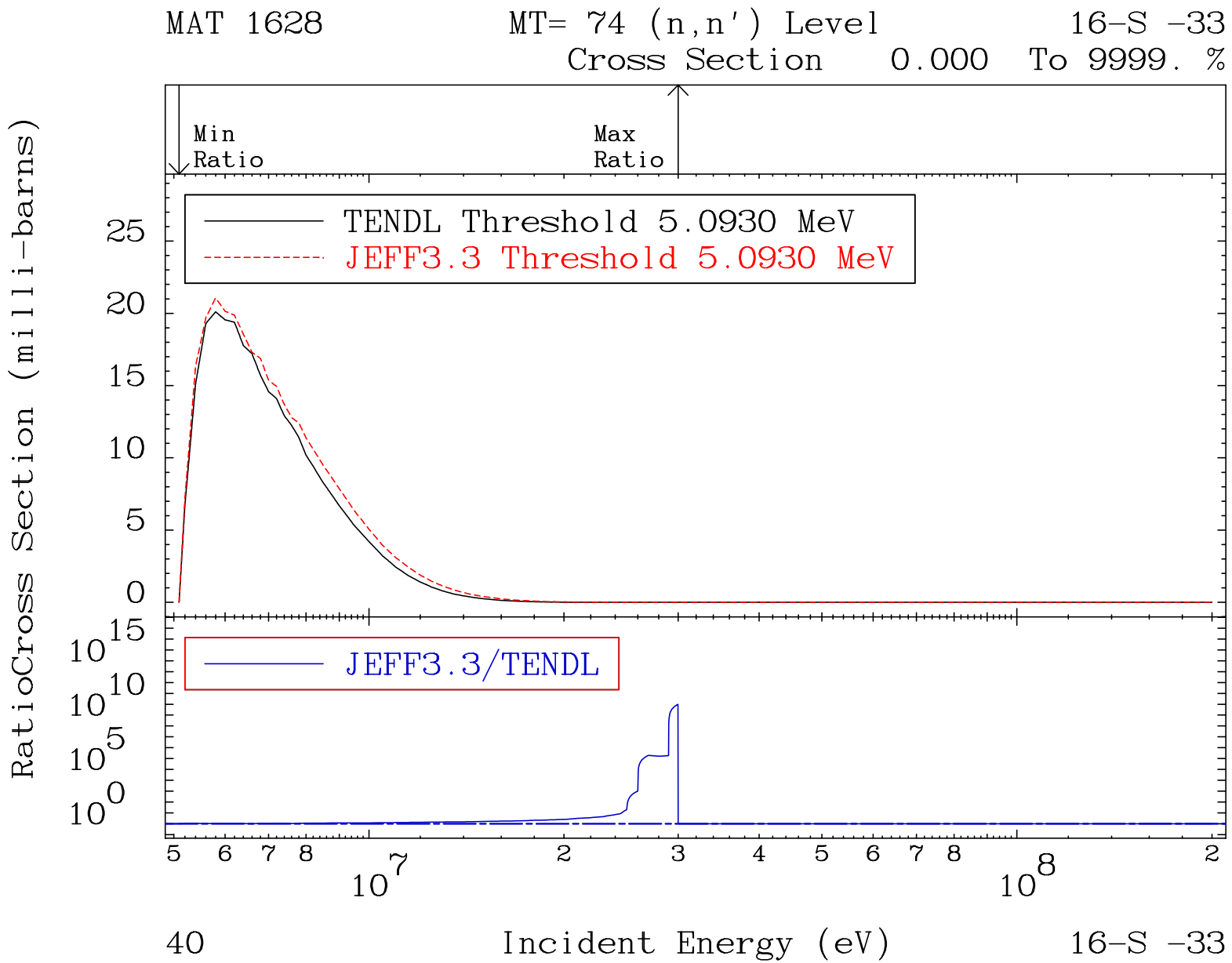

MAT 1628
MT= 69 (n,n') Level
16-S -33
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8748 MeV
JEFF3.3 Threshold 4.8748 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
16-S -33

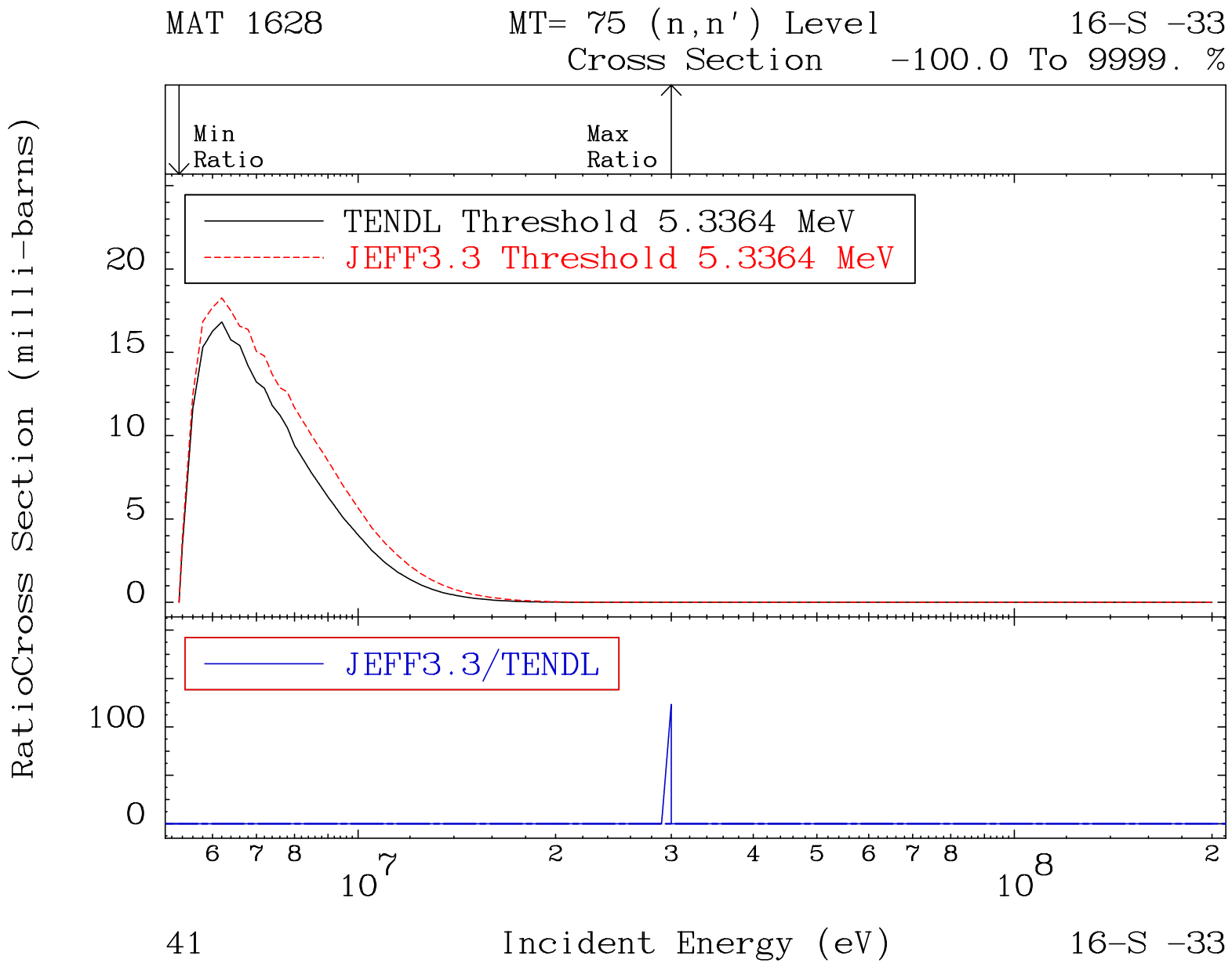

MAT 1628
MT= 70 (n,n') Level
16-S -33
Cross Section -60.58 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8925 MeV
JEFF3.3 Threshold 4.8925 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
16-S -33

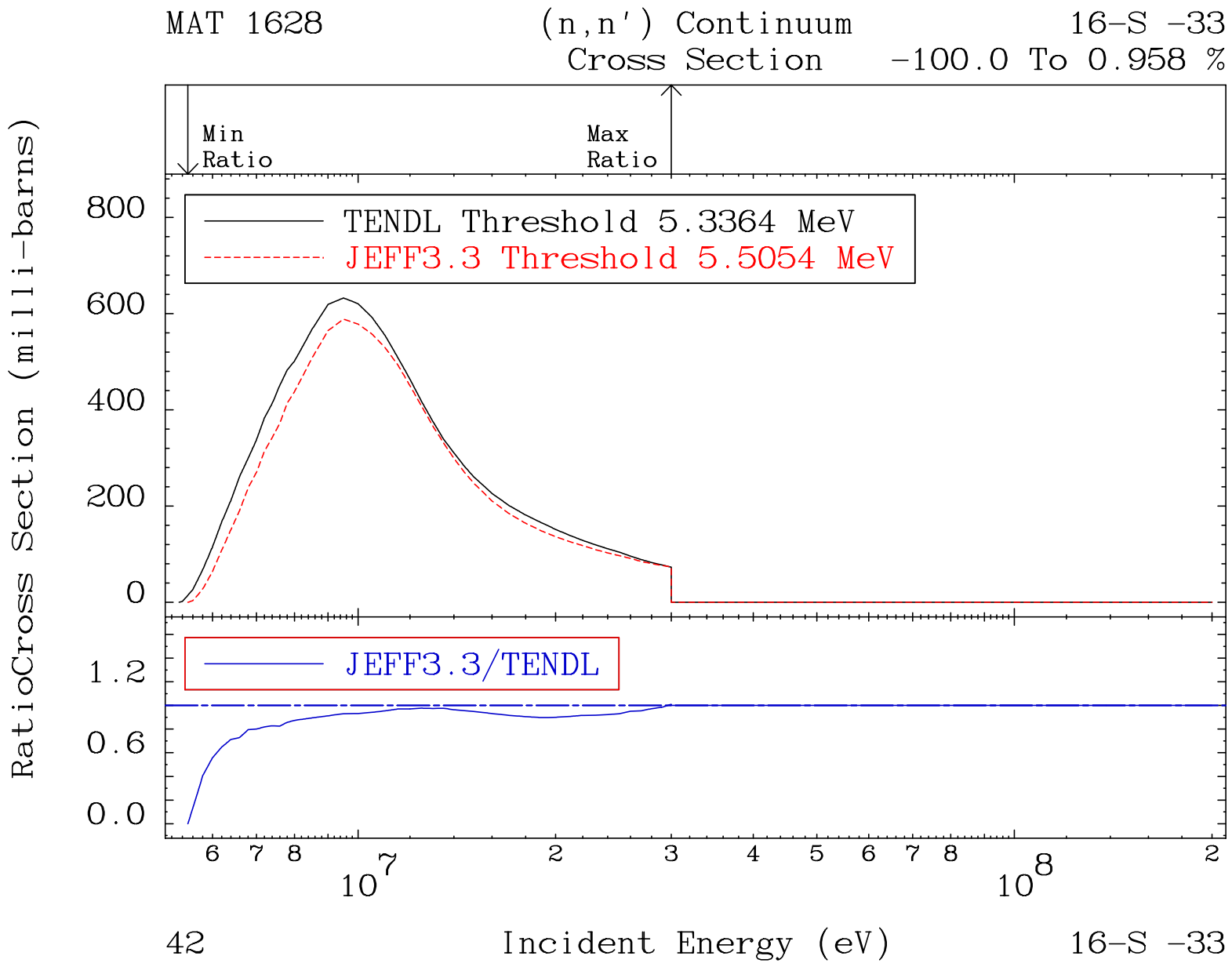

MAT 1628
MT= 71 (n,n') Level
16-S -33
Cross Section 0.000 To 72.99 %
Min Ratio
Max Ratio
TENDL Threshold 4.9419 MeV
JEFF3.3 Threshold 4.9419 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.6
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
16-S -33

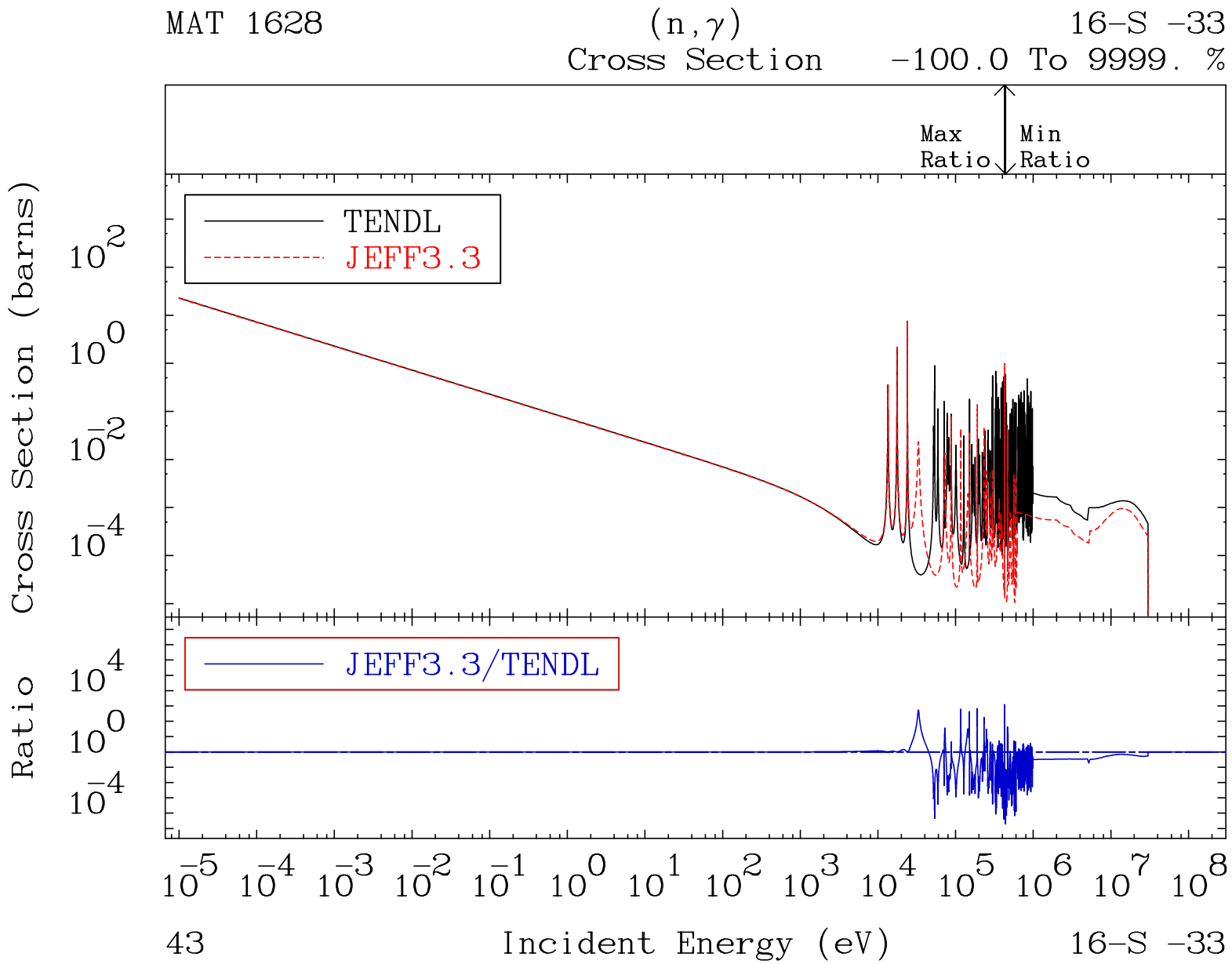

MAT 1628
MT= 72 (n,n') Level
16-S -33
Cross Section 0.000 To 73.01 %
Min Ratio
Max Ratio
TENDL Threshold 5.0156 MeV
JEFF3.3 Threshold 5.0156 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.6
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
16-S -33

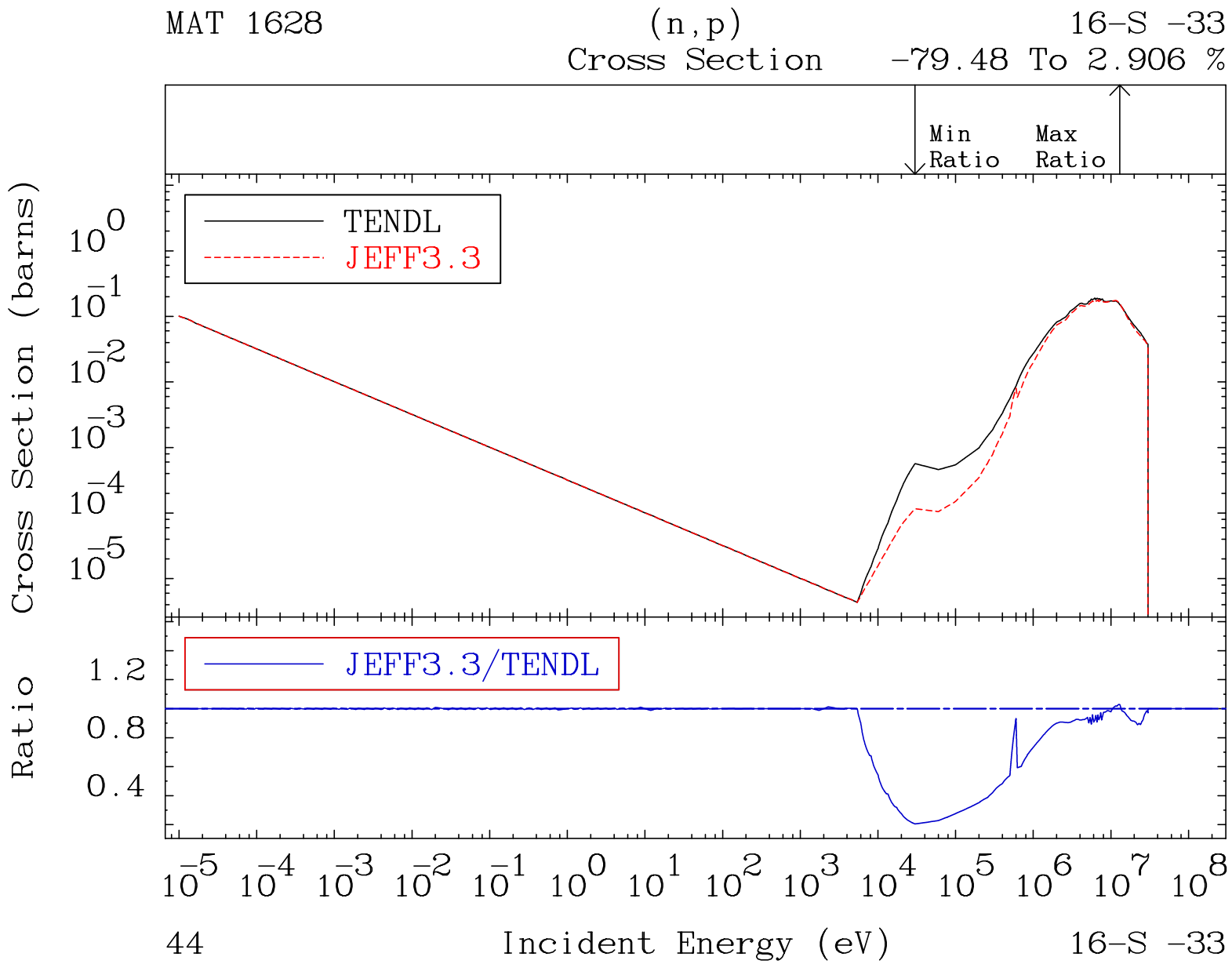

MAT 1628
MT= 73 (n,n') Level
16-S -33
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.0683 MeV
JEFF3.3 Threshold 5.0683 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
120
60
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
16-S -33

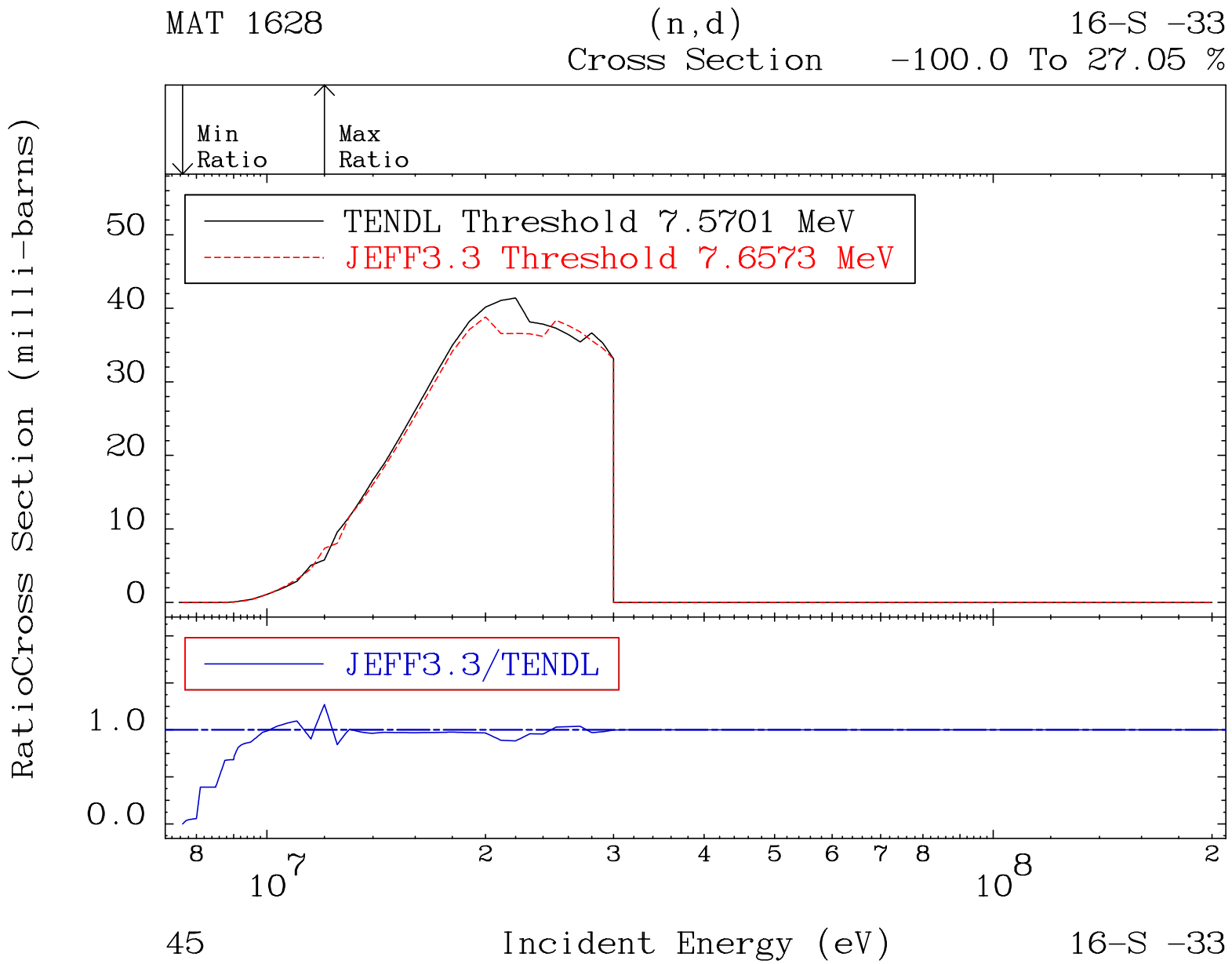

MAT 1628
MT= 74 (n,n') Level
16-S -33
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.0930 MeV
JEFF3.3 Threshold 5.0930 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^15
10^10
10^5
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
16-S -33

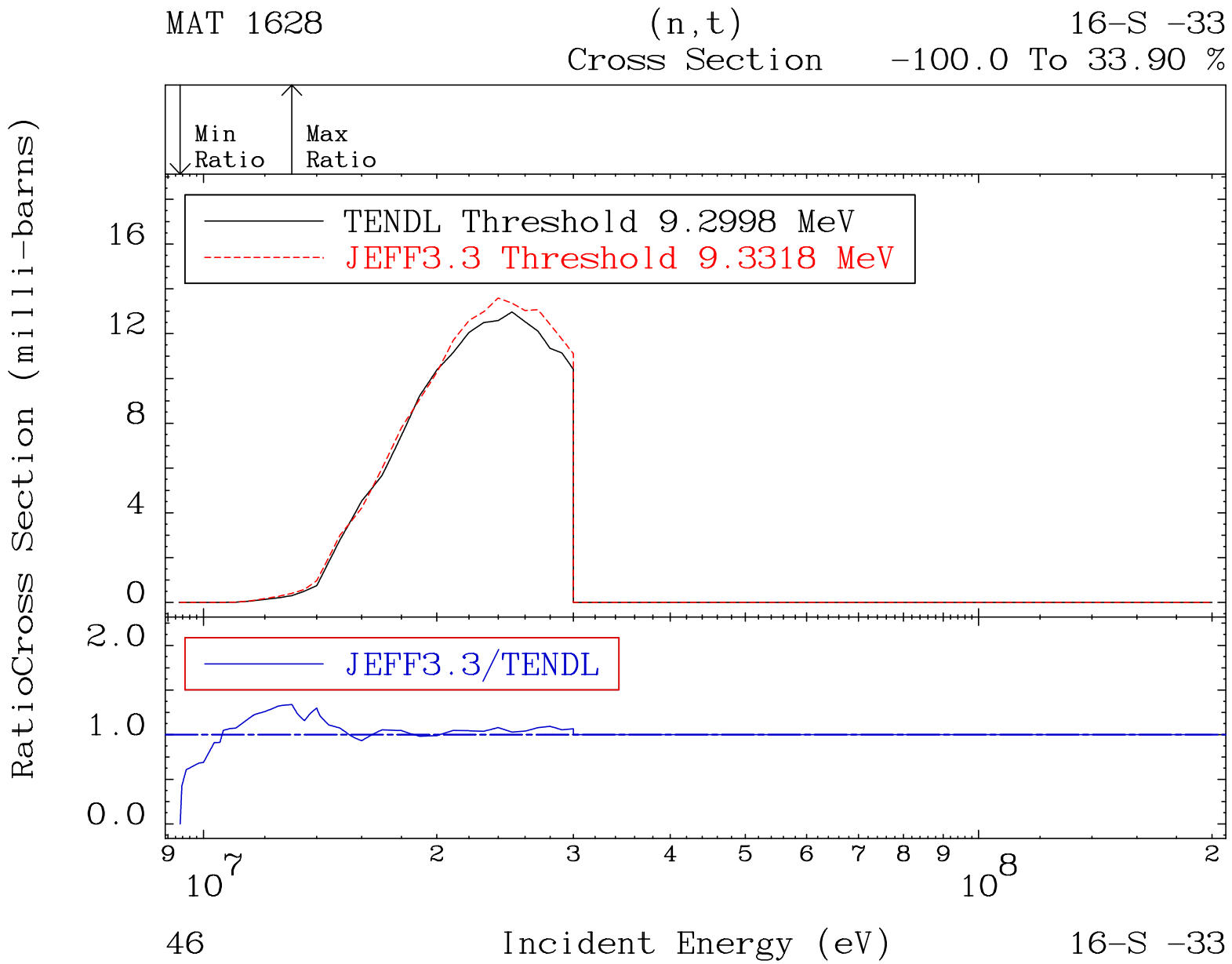

MAT 1628
MT= 75 (n,n') Level
16-S -33
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.3364 MeV
JEFF3.3 Threshold 5.3364 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
16-S -33

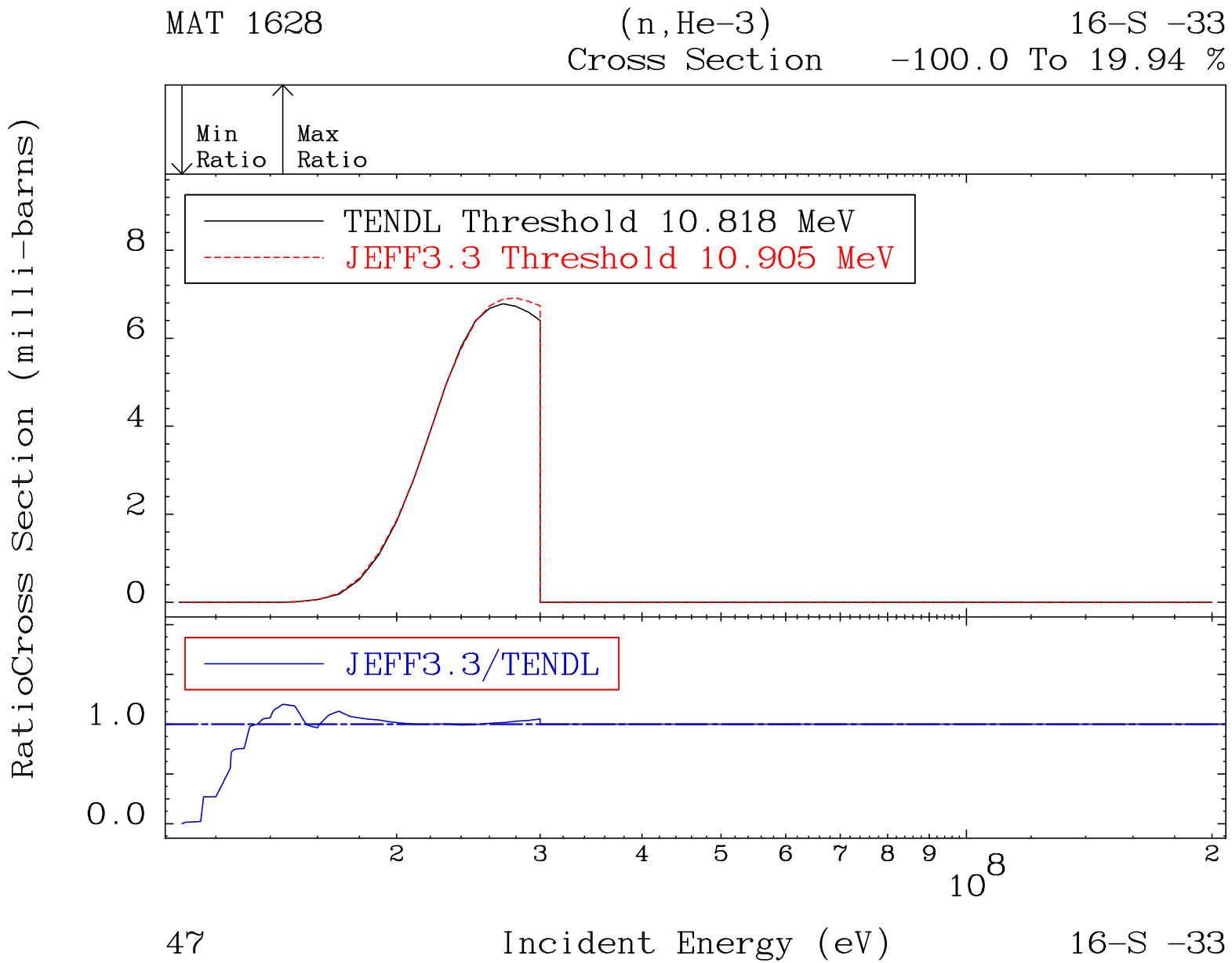

MAT 1628
(n,n') Continuum
Cross Section
16-S -33
-100.0 To 0.958 %
Min Ratio
Max Ratio
TENDL Threshold 5.3364 MeV
JEFF3.3 Threshold 5.5054 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
16-S -33

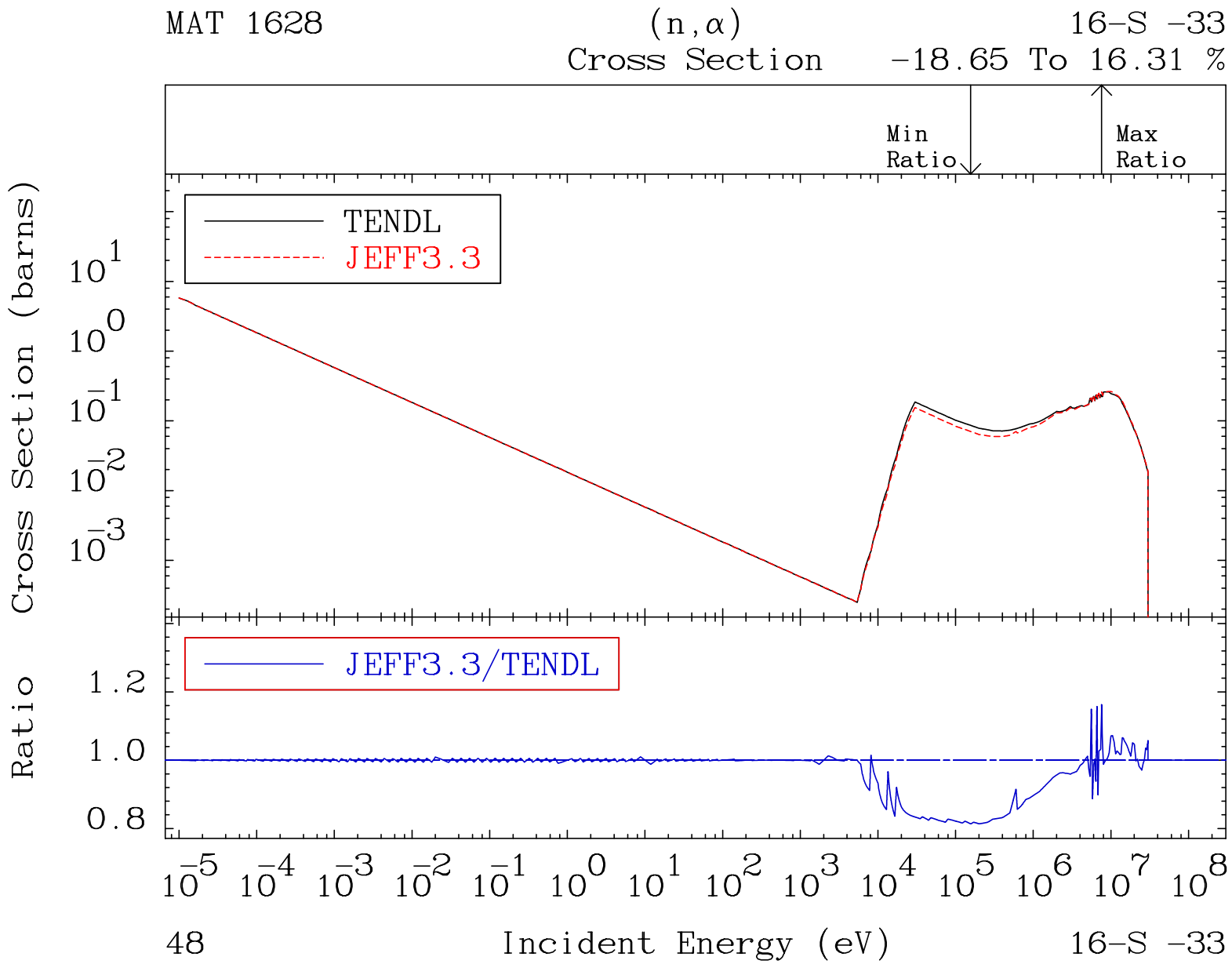

MAT 1628
(n,γ)
Cross Section
16-S -33
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
16-S -33

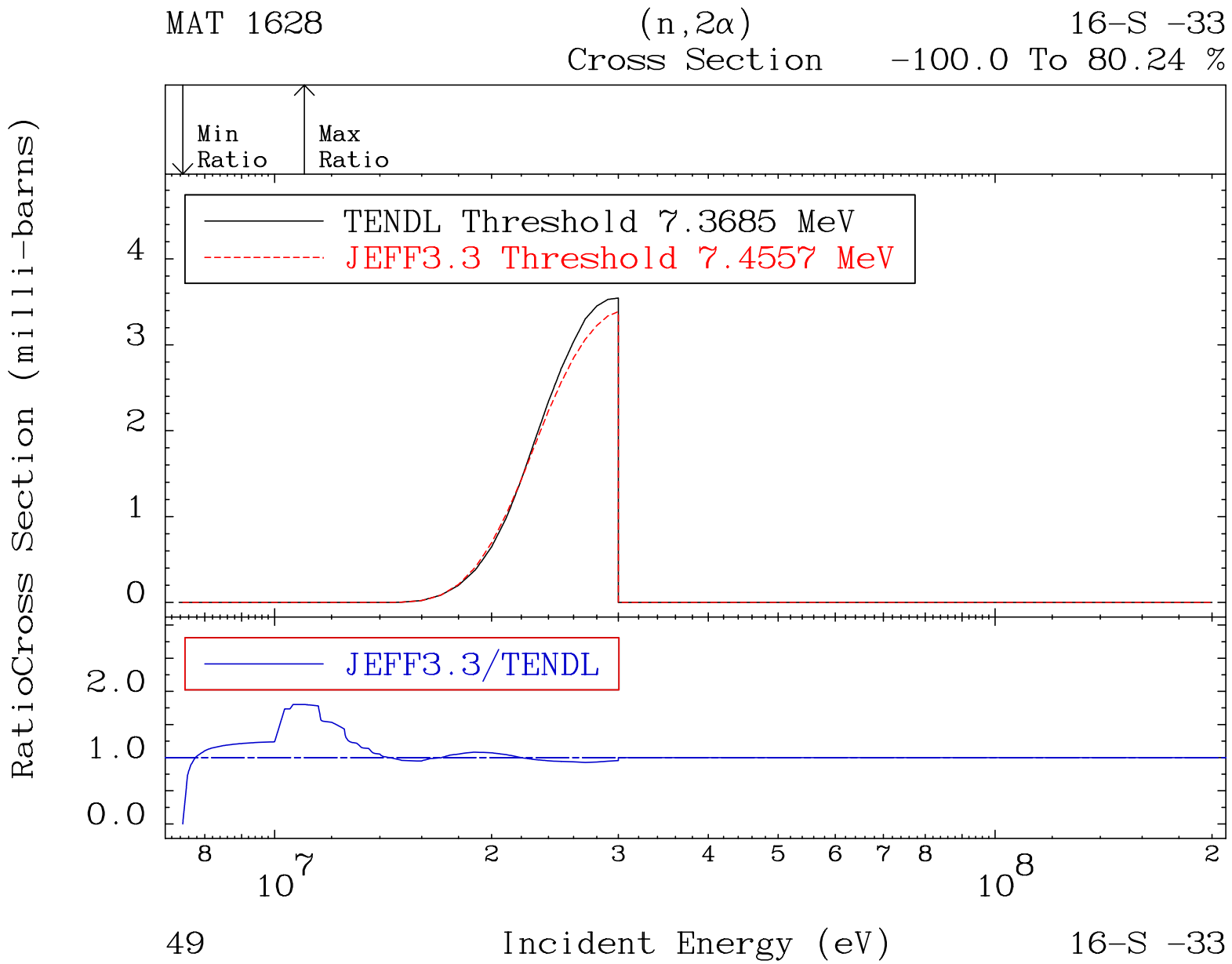

MAT 1628
(n,p)
16-S -33
Cross Section
-79.48 To 2.906 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
44
16-S -33

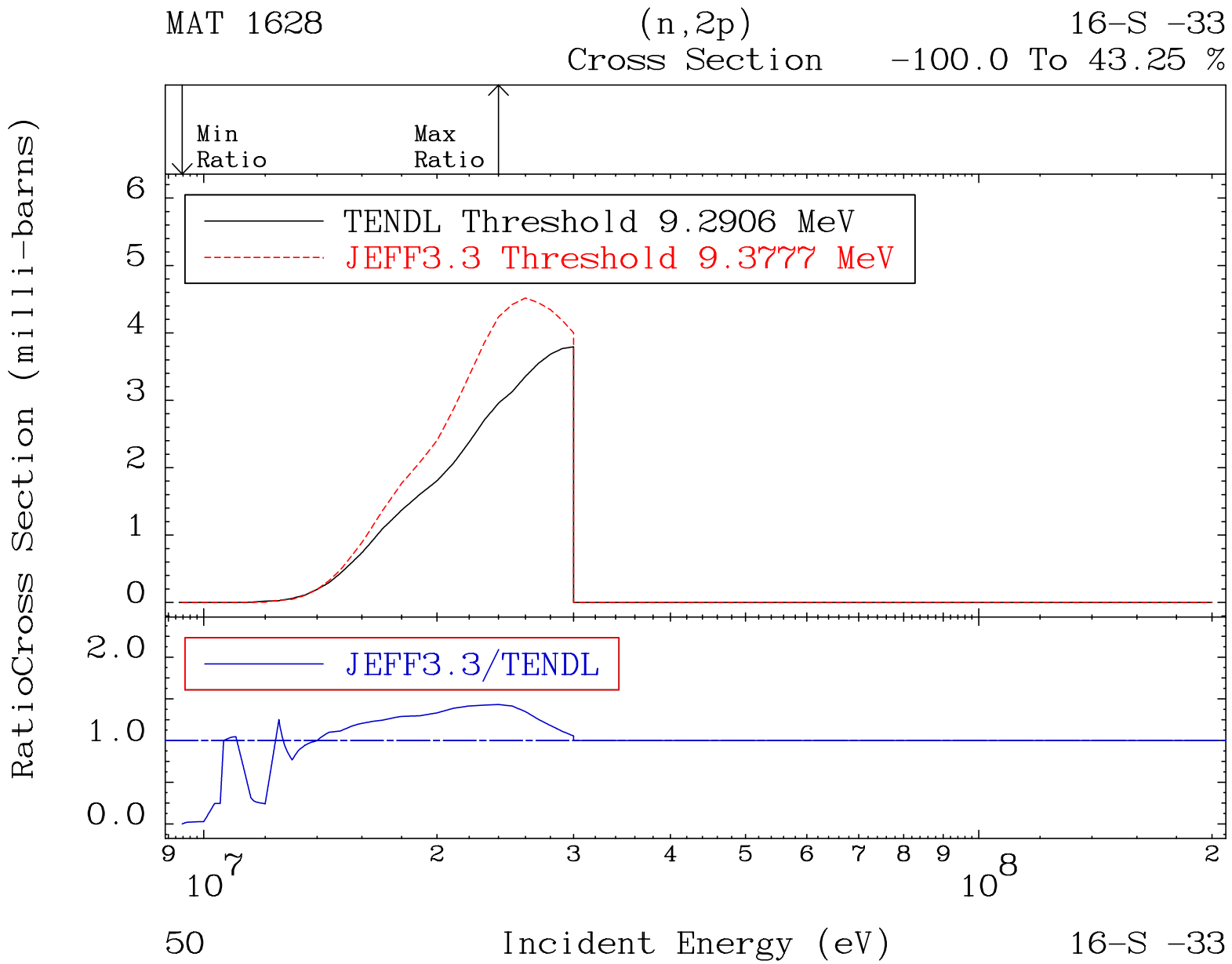

MAT 1628
(n,d)
16-S -33
Cross Section
-100.0 To 27.05 %
Min Ratio
Max Ratio
TENDL Threshold 7.5701 MeV
JEFF3.3 Threshold 7.6573 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
45
Incident Energy (eV)
16-S -33

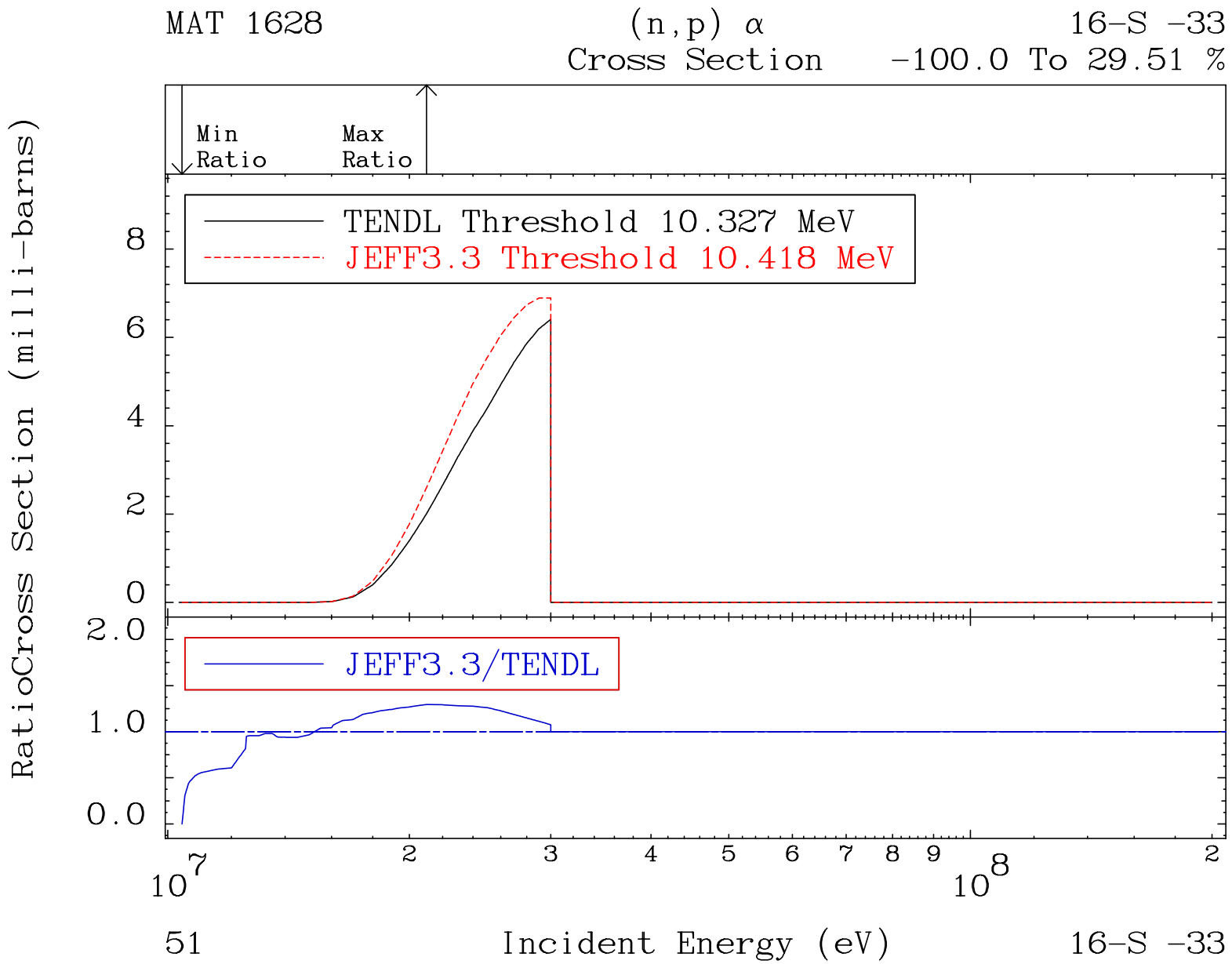

MAT 1628
(n,t)
16-S -33
Cross Section
-100.0 To 33.90 %
Min Ratio
Max Ratio
TENDL Threshold 9.2998 MeV
JEFF3.3 Threshold 9.3318 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
16-S -33

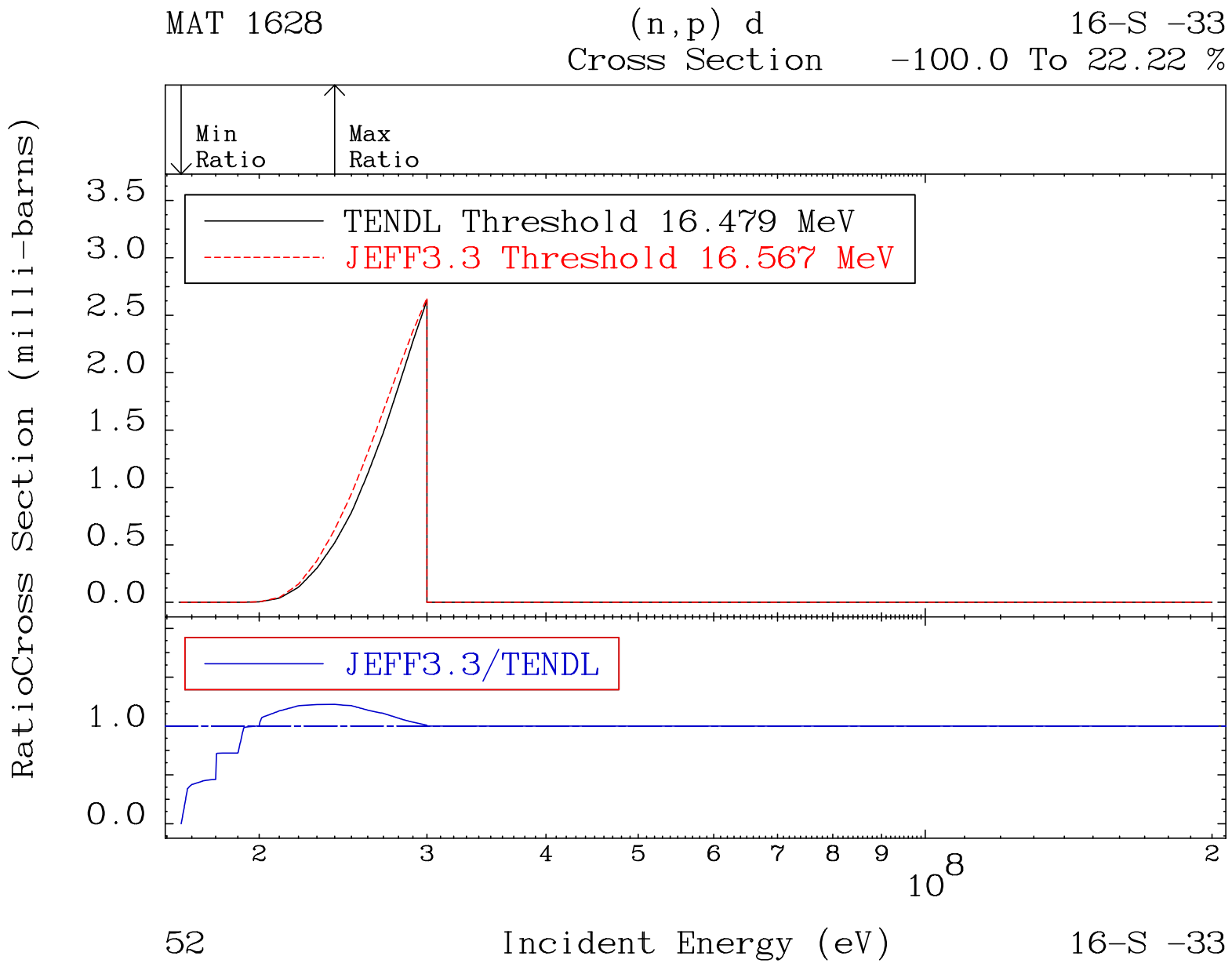

MAT 1628
(n,He-3)
16-S -33
Cross Section
-100.0 To 19.94 %
Min Ratio
Max Ratio
TENDL Threshold 10.818 MeV
JEFF3.3 Threshold 10.905 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
16-S -33

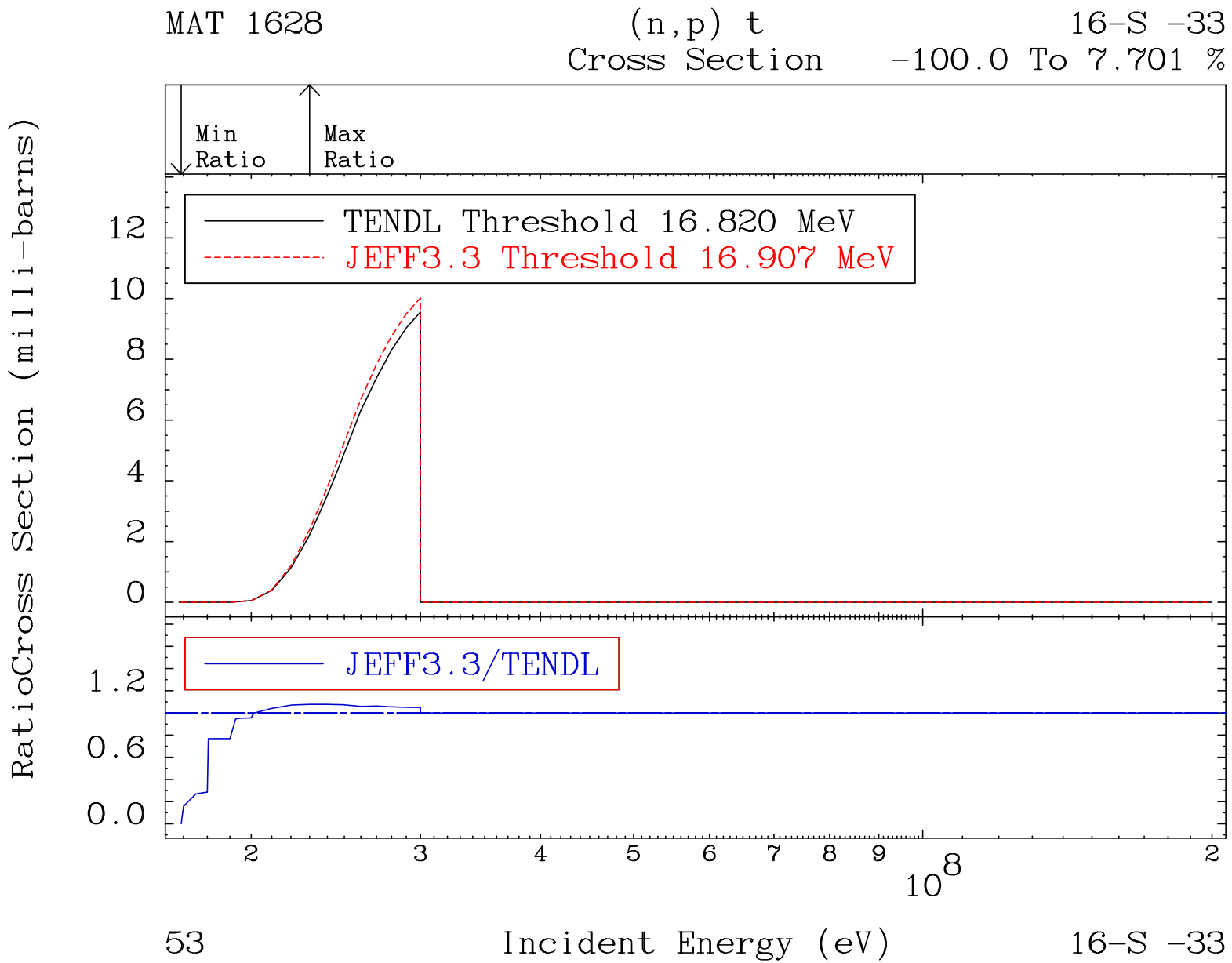

MAT 1628
(n,α)
16-S -33
Cross Section
-18.65 To 16.31 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
48
16-S -33

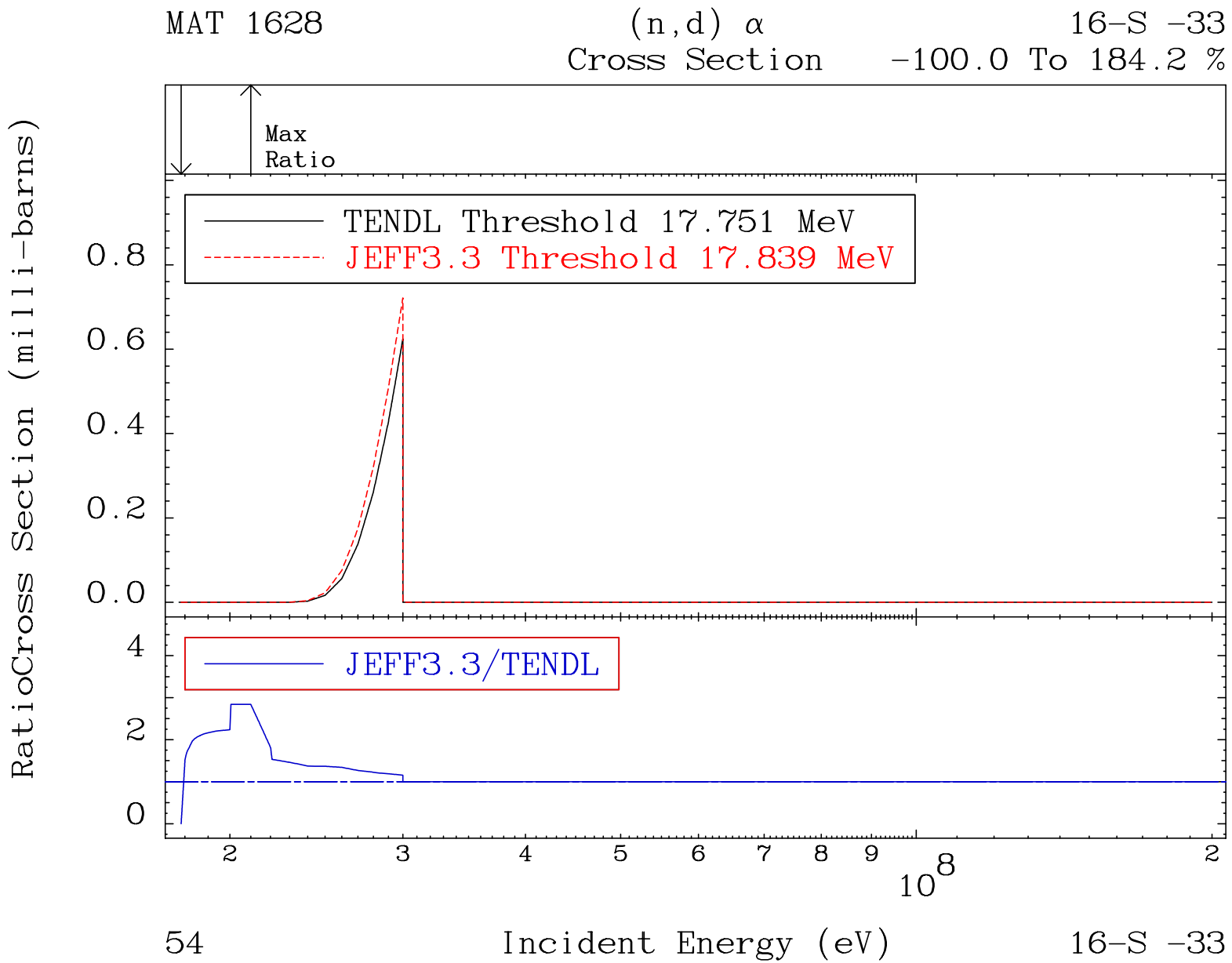

MAT 1628
(n,2α)
16-S -33
Cross Section
-100.0 To 80.24 %
Min Ratio
Max Ratio
TENDL Threshold 7.3685 MeV
JEFF3.3 Threshold 7.4557 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
49
16-S -33

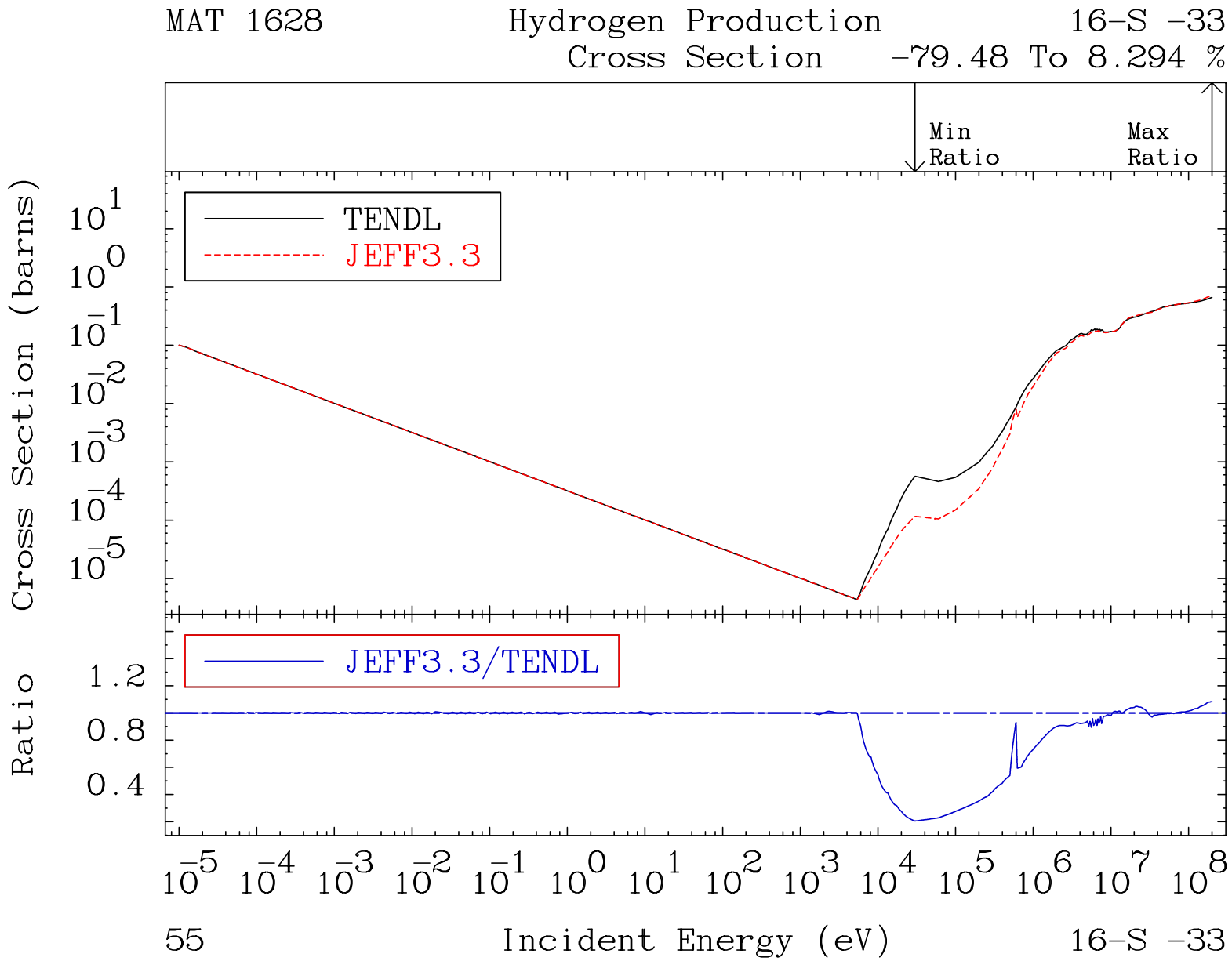

MAT 1628
(n,2p)
16-S -33
Cross Section
-100.0 To 43.25 %
Min Ratio
Max Ratio
TENDL Threshold 9.2906 MeV
JEFF3.3 Threshold 9.3777 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50
16-S -33

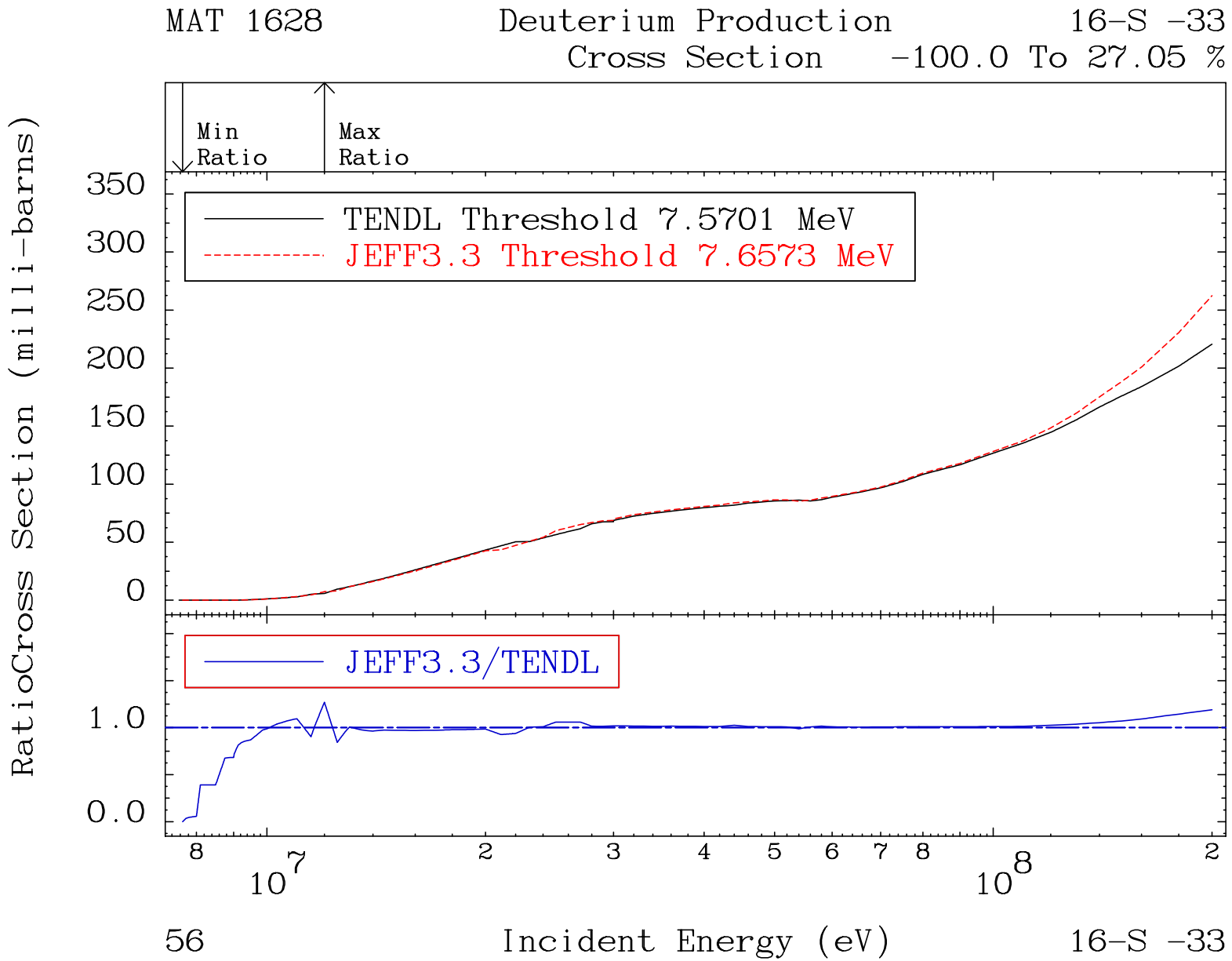

MAT 1628
(n,p) α
Cross Section
16-S -33
-100.0 To 29.51 %
Min Ratio
Max Ratio
TENDL Threshold 10.327 MeV
JEFF3.3 Threshold 10.418 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
16-S -33

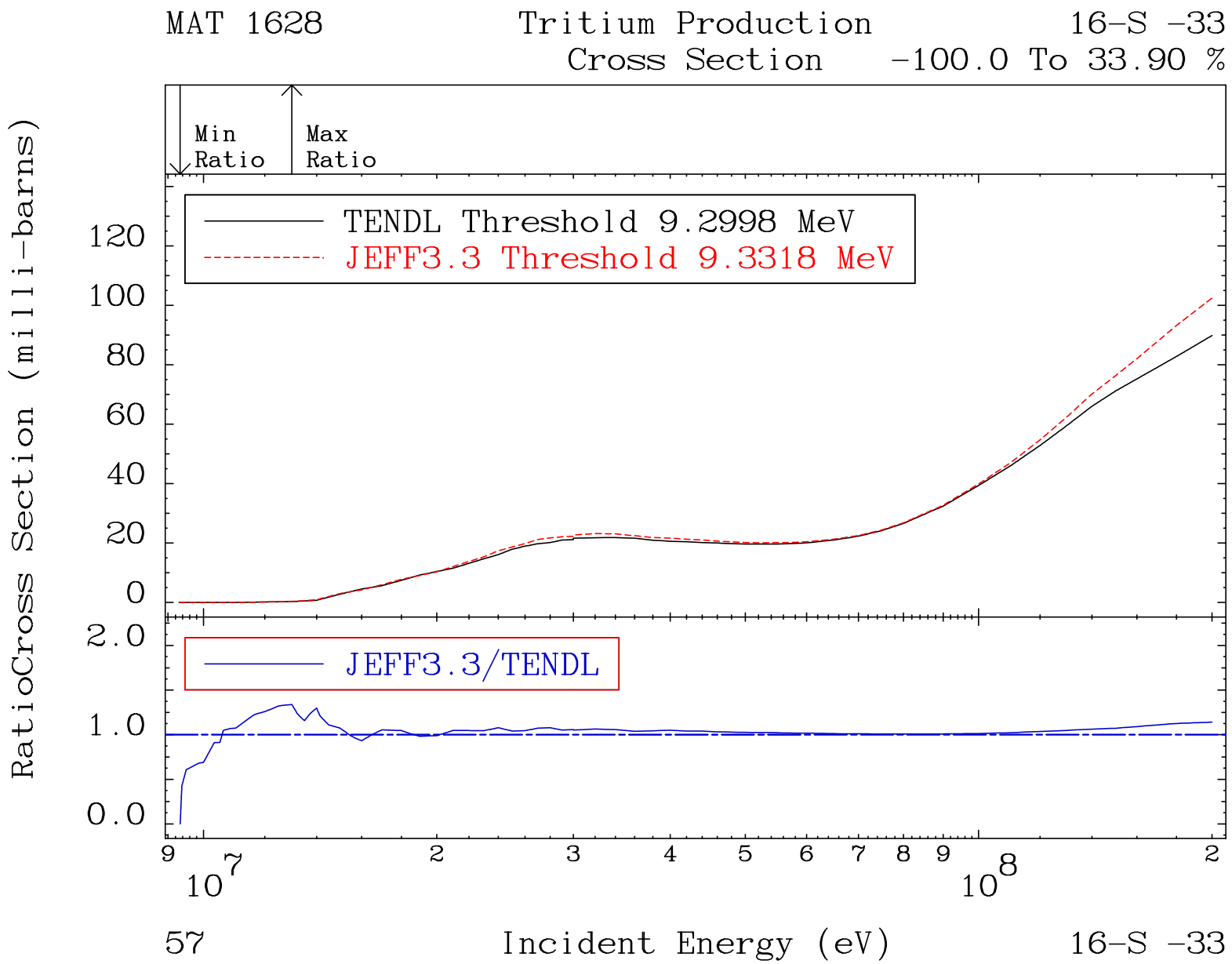

MAT 1628
(n,p) d
Cross Section
16-S -33
-100.0 To 22.22 %
Min Ratio
Max Ratio
TENDL Threshold 16.479 MeV
JEFF3.3 Threshold 16.567 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
16-S -33

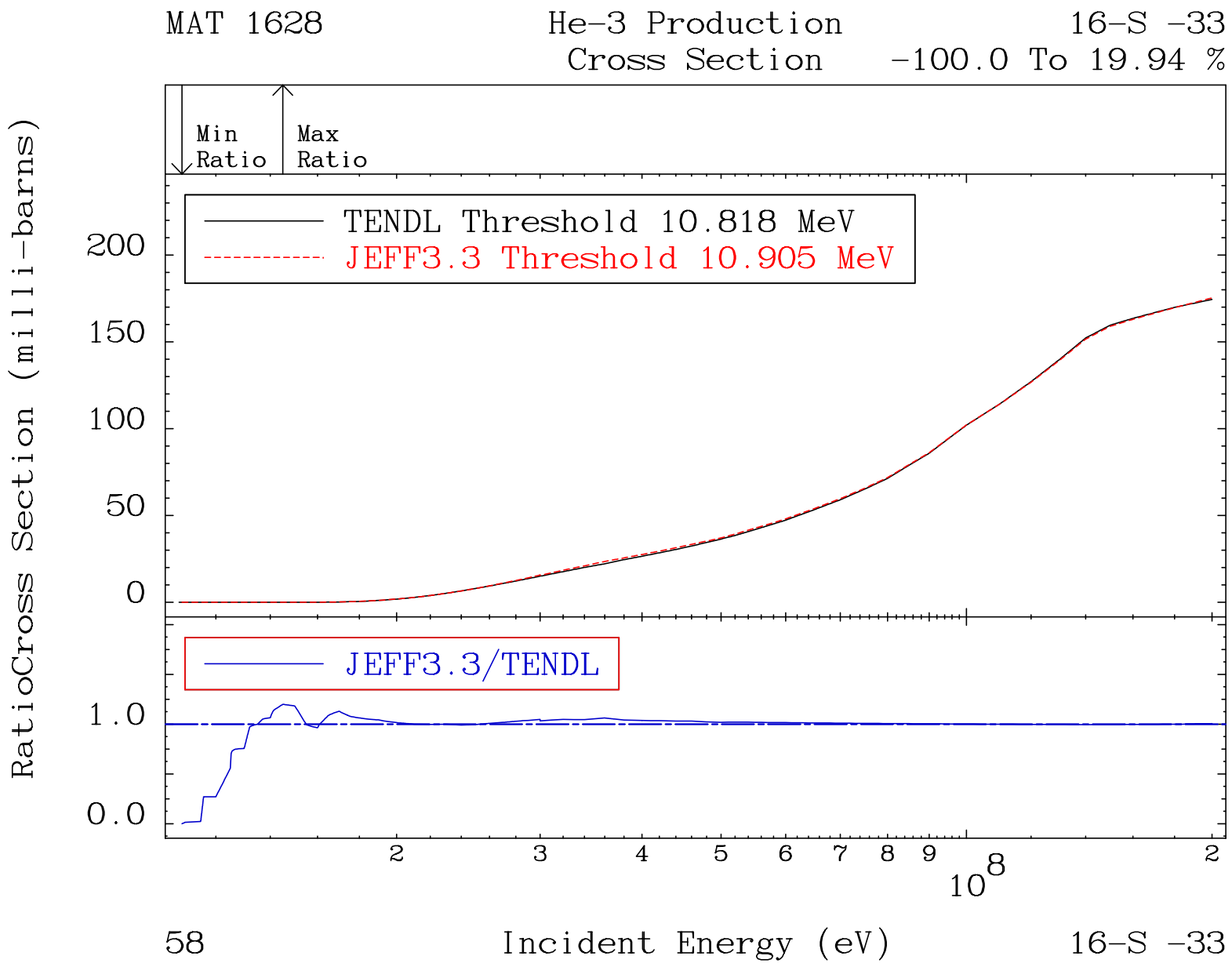

MAT 1628
(n,p) t
16-S -33
Cross Section
-100.0 To 7.701 %
Min Ratio
Max Ratio
TENDL Threshold 16.820 MeV
JEFF3.3 Threshold 16.907 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
16-S -33

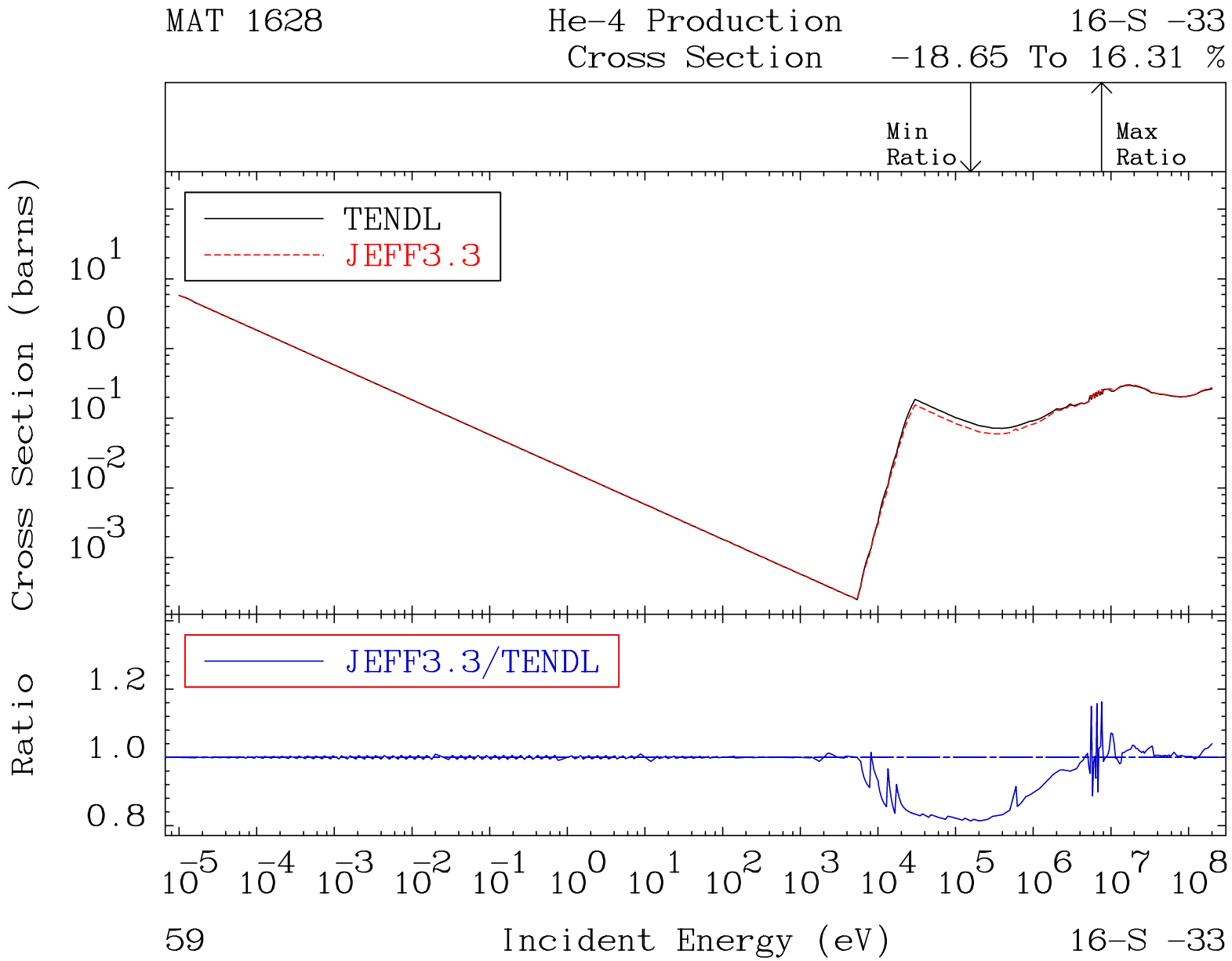

MAT 1628
(n,d) α
Cross Section
16-S -33
-100.0 To 184.2 %
Max
Ratio
TENDL Threshold 17.751 MeV
JEFF3.3 Threshold 17.839 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
16-S -33

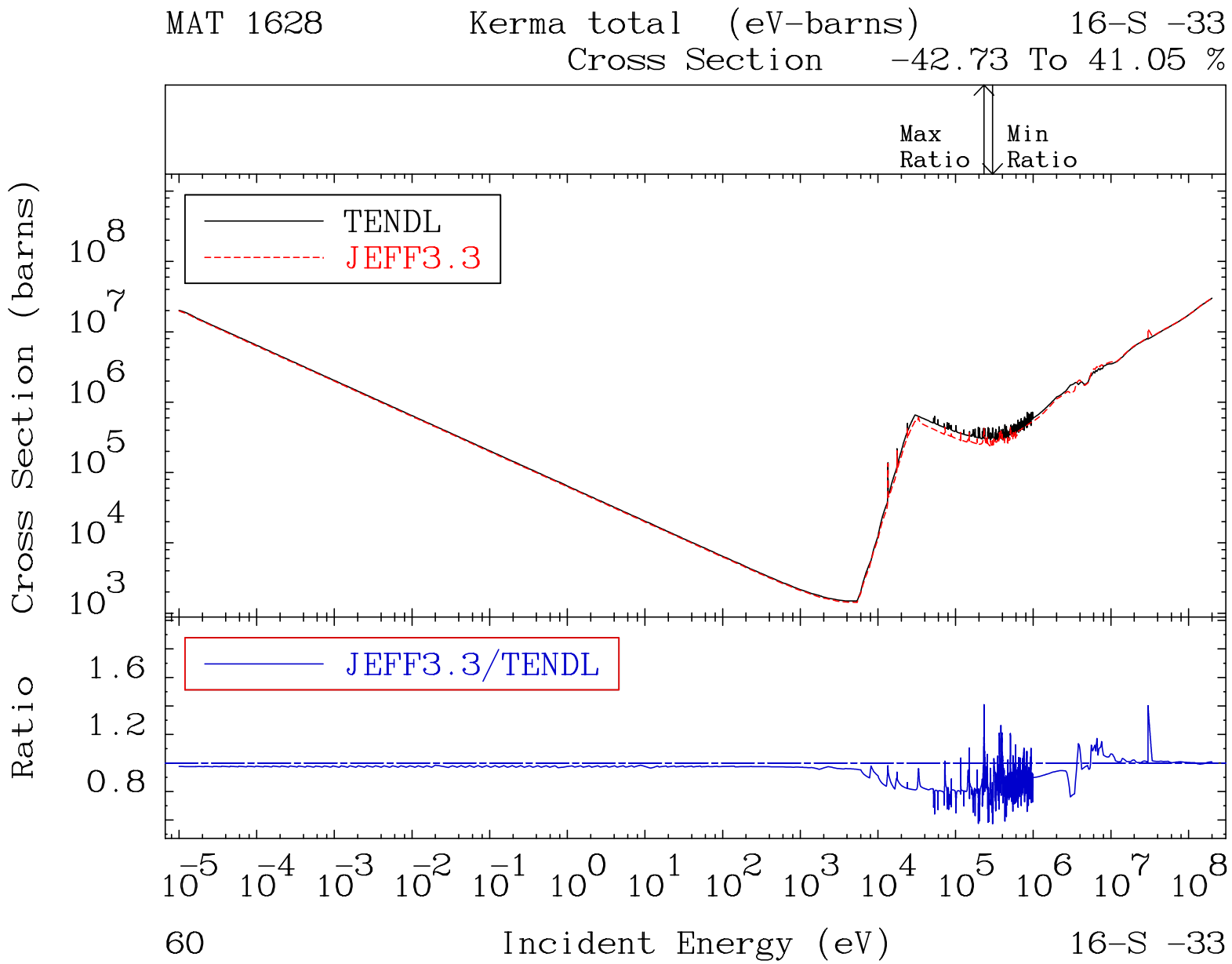

MAT 1628
Hydrogen Production
Cross Section
16-S -33
-79.48 To 8.294 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
16-S -33

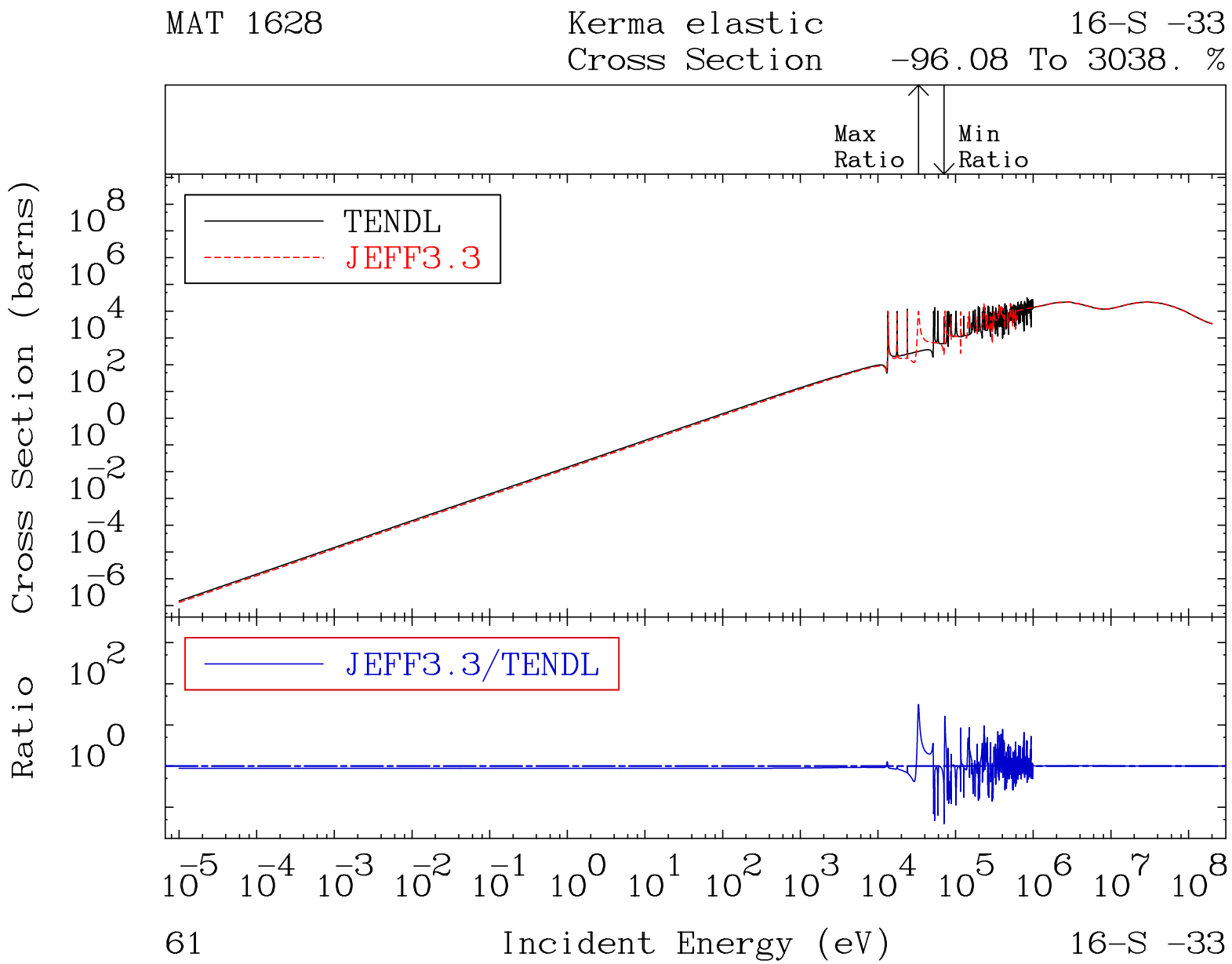

MAT 1628
Deuterium Production
16-S -33
Cross Section
-100.0 To 27.05 %
Min Ratio
Max Ratio
TENDL Threshold 7.5701 MeV
JEFF3.3 Threshold 7.6573 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
56
Incident Energy (eV)
16-S -33

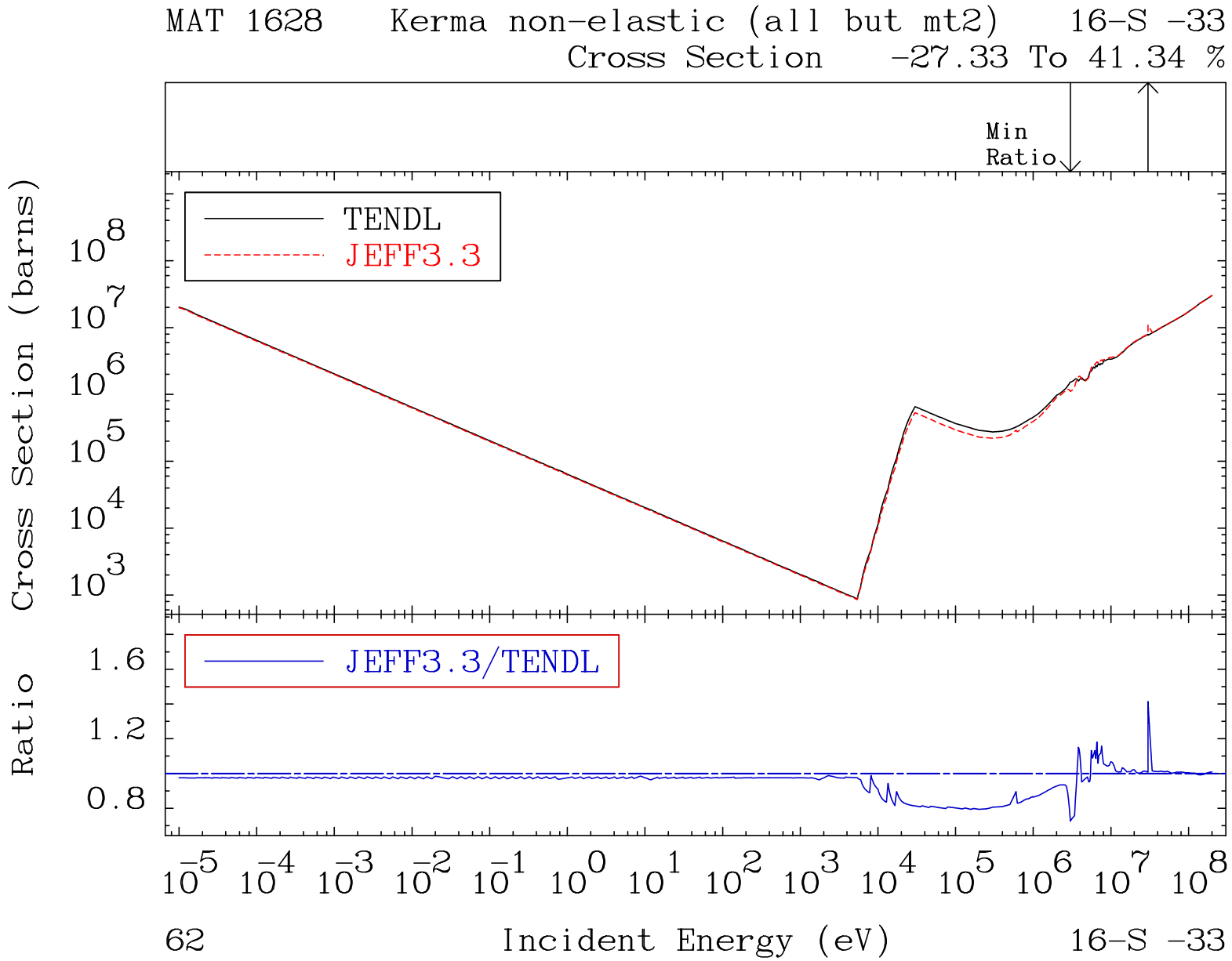

MAT 1628
Tritium Production
16-S -33
Cross Section
-100.0 To 33.90 %
Min Ratio
Max Ratio
TENDL Threshold 9.2998 MeV
JEFF3.3 Threshold 9.3318 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
16-S -33

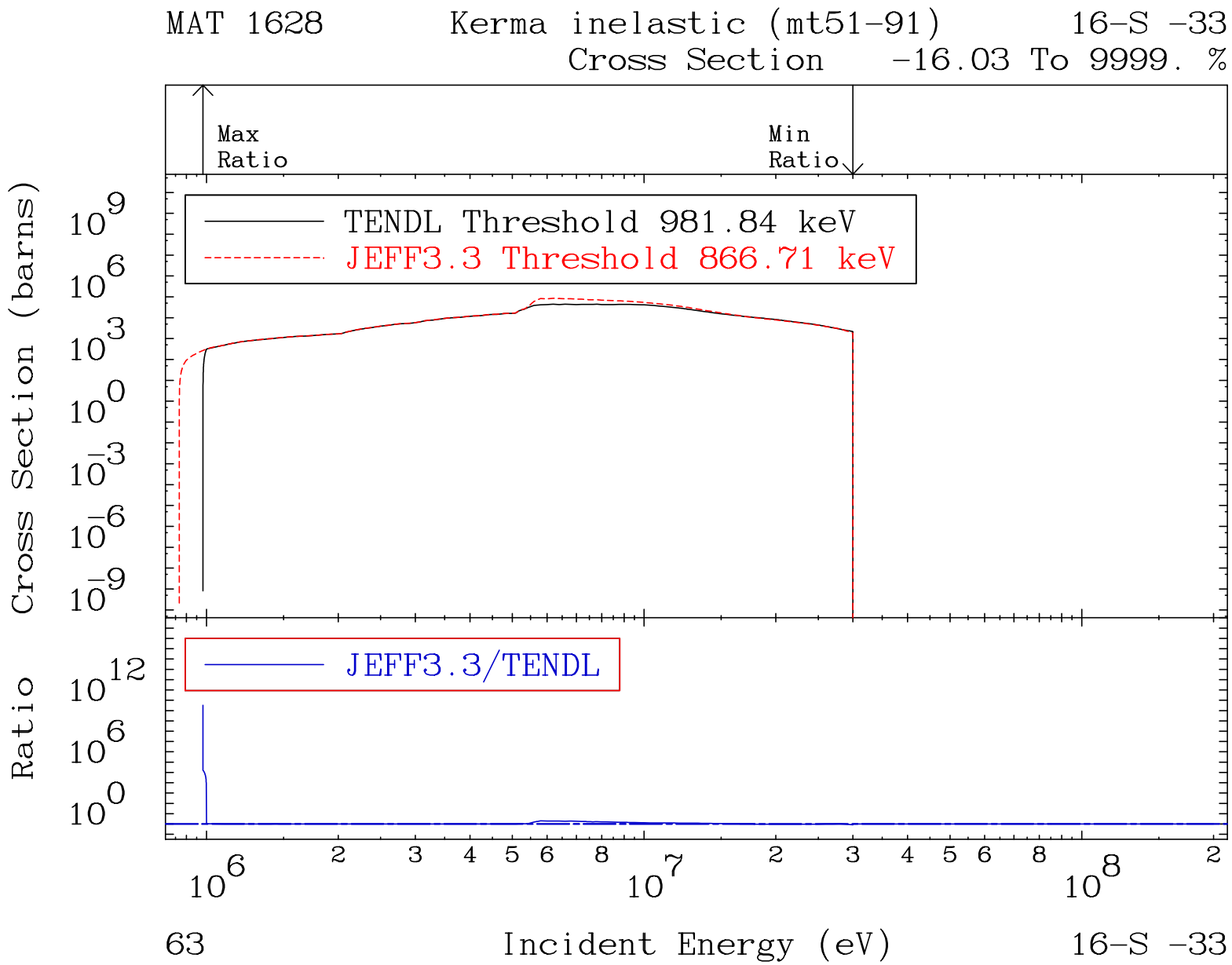

MAT 1628
He-3 Production
Cross Section
16-S -33
-100.0 To 19.94 %
Min Ratio
Max Ratio
TENDL Threshold 10.818 MeV
JEFF3.3 Threshold 10.905 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
16-S -33

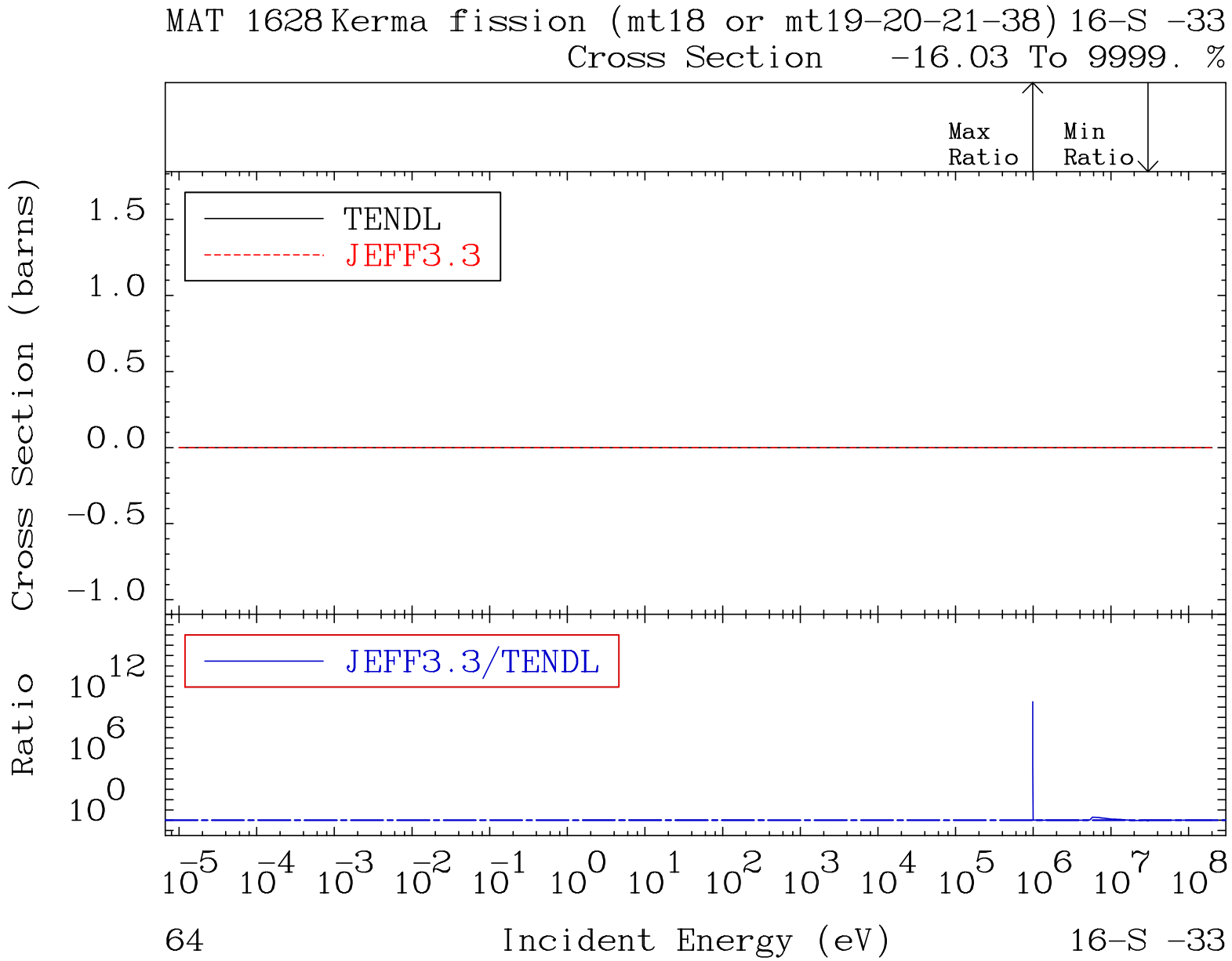

MAT 1628
He-4 Production
Cross Section
16-S -33
-18.65 To 16.31 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
16-S -33

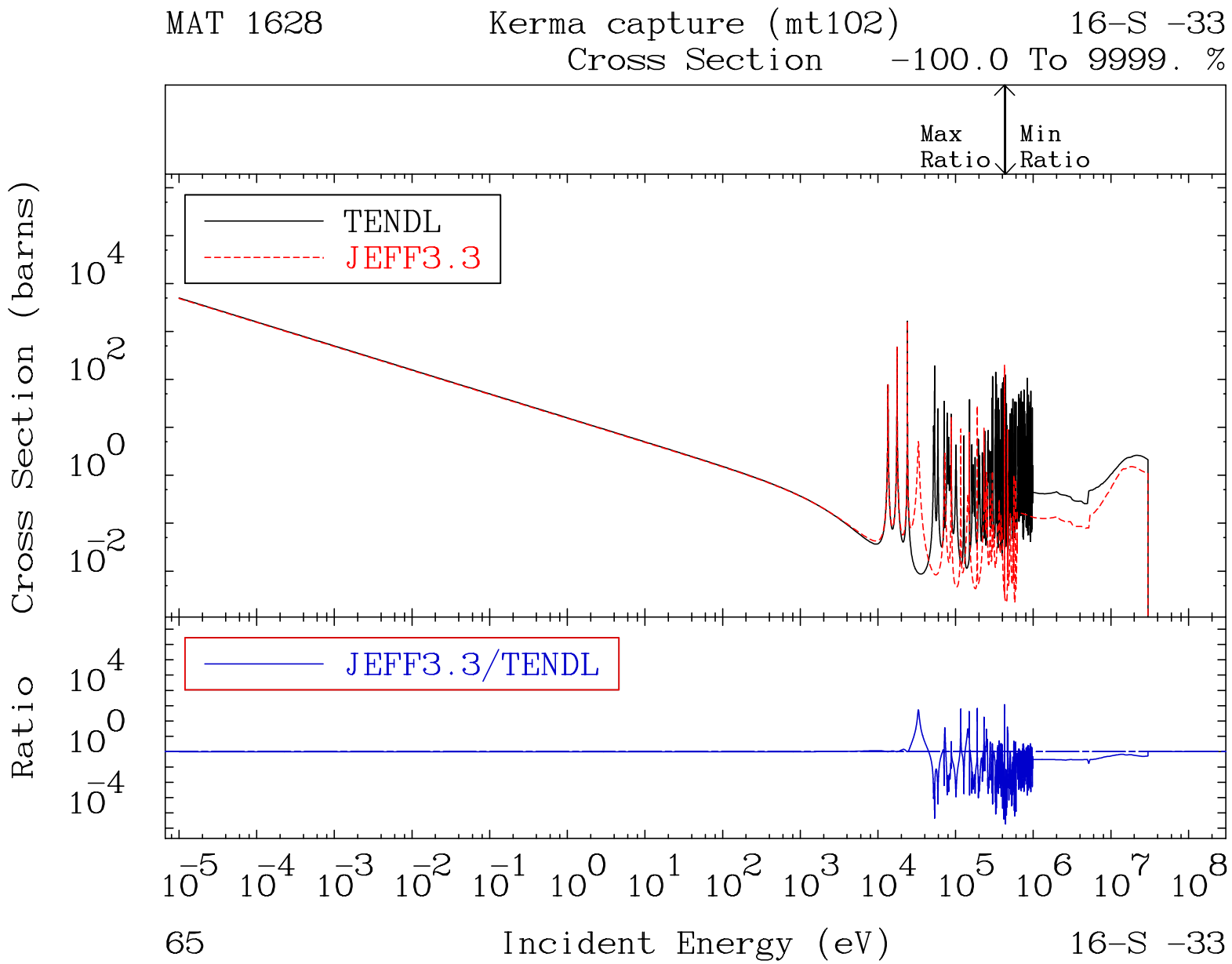

MAT 1628
Kerma total (eV-barns)
16-S -33
Cross Section -42.73 To 41.05 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
60
16-S -33

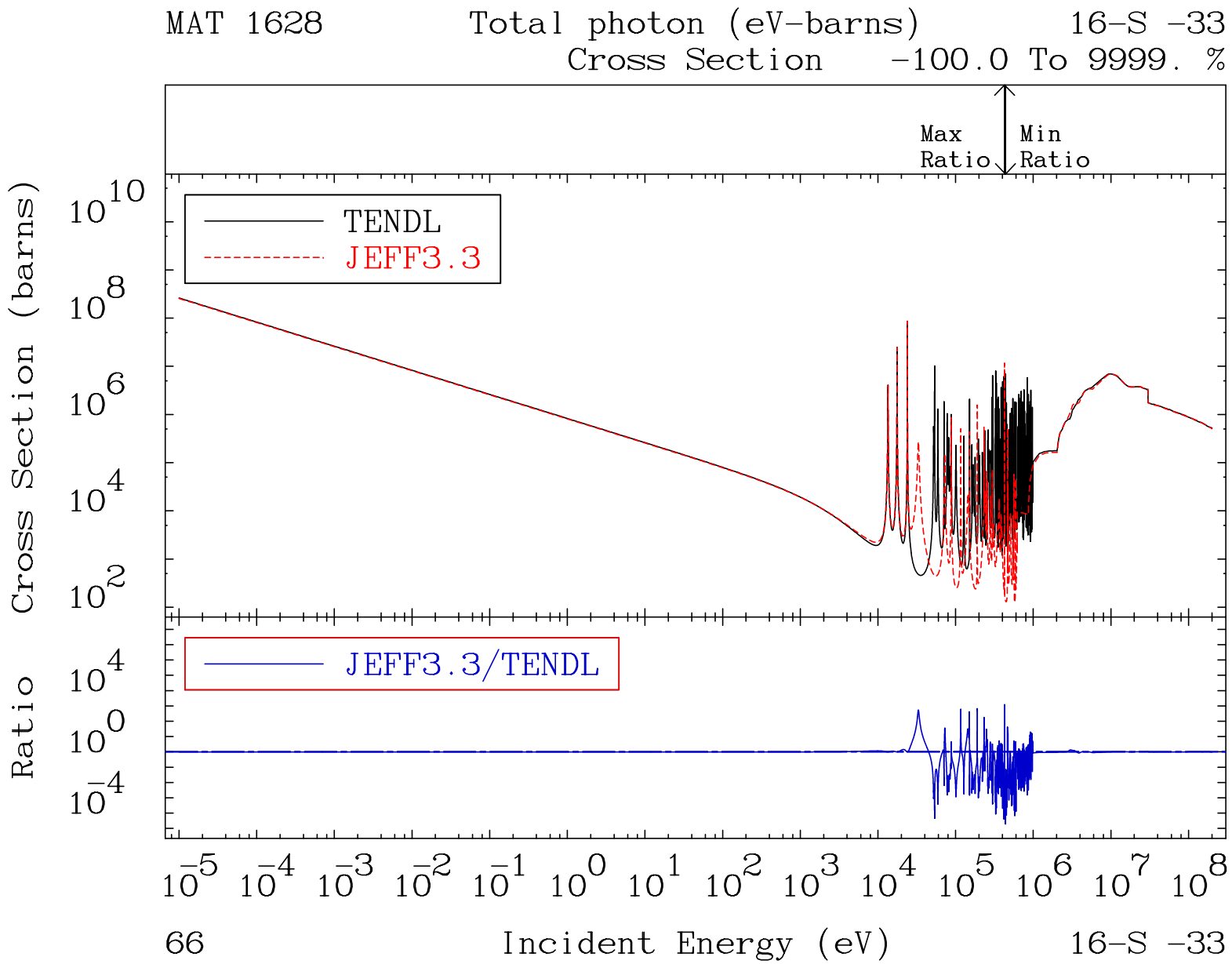

MAT 1628
Kerma elastic
Cross Section
16-S -33
-96.08 To 3038. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
16-S -33

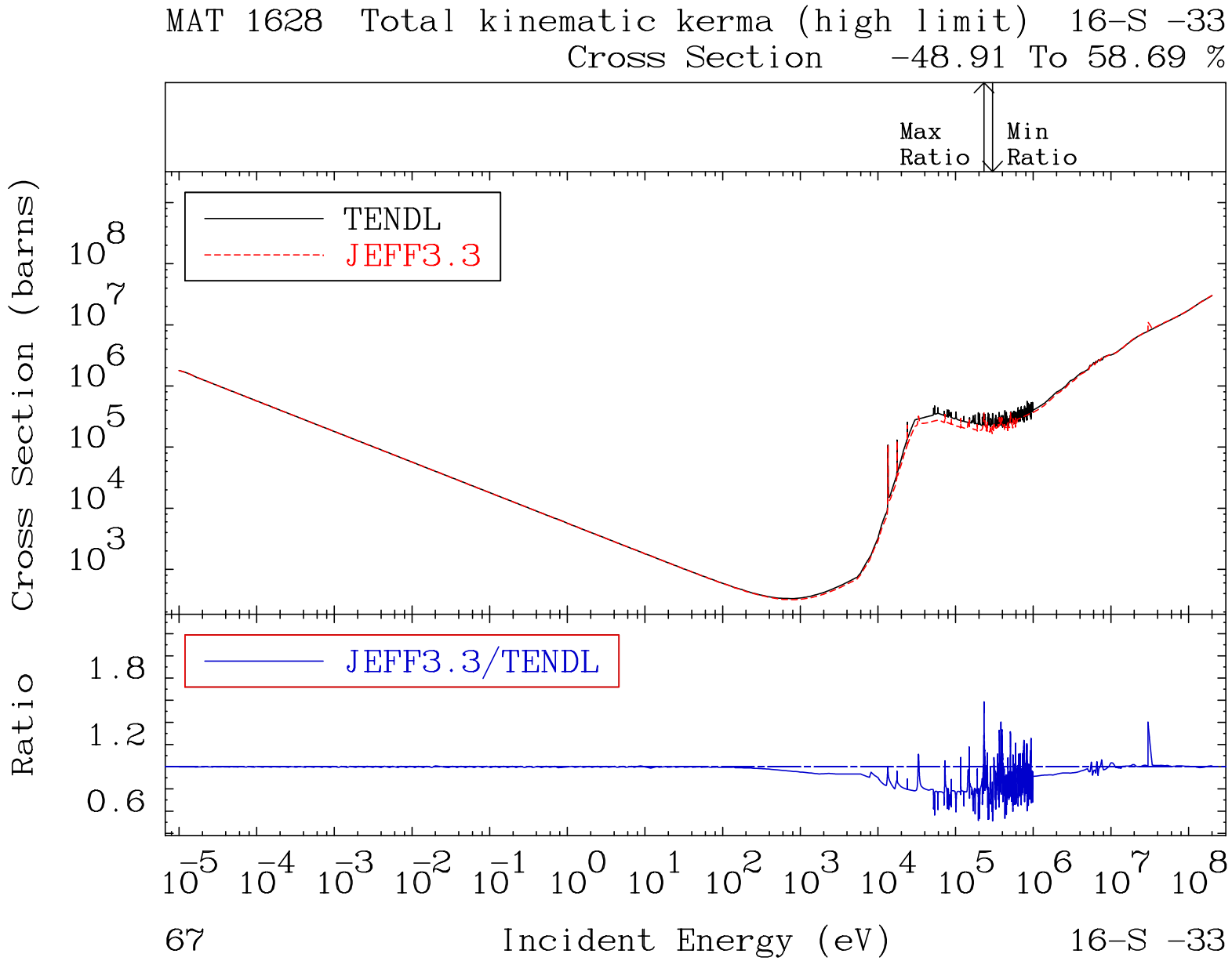

MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
Cross Section -27.33 To 41.34 %
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
10^8
10^7
10^6
10^5
10^4
10^3
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
62
Incident Energy (eV)
16-S -33

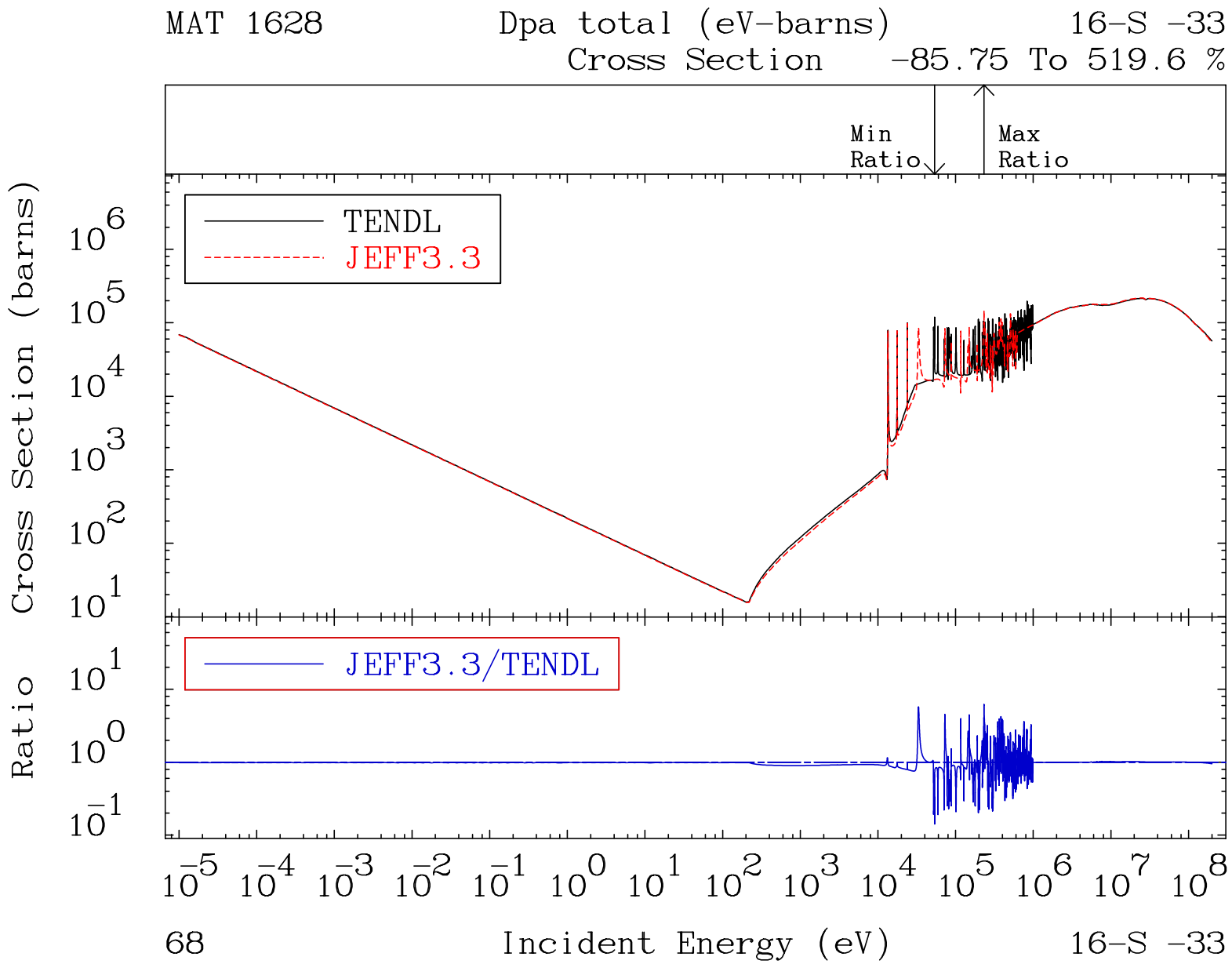

MAT 1628
Kerma inelastic (mt51-91)
16-S -33
Cross Section
-16.03 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 981.84 keV
JEFF3.3 Threshold 866.71 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
16-S -33

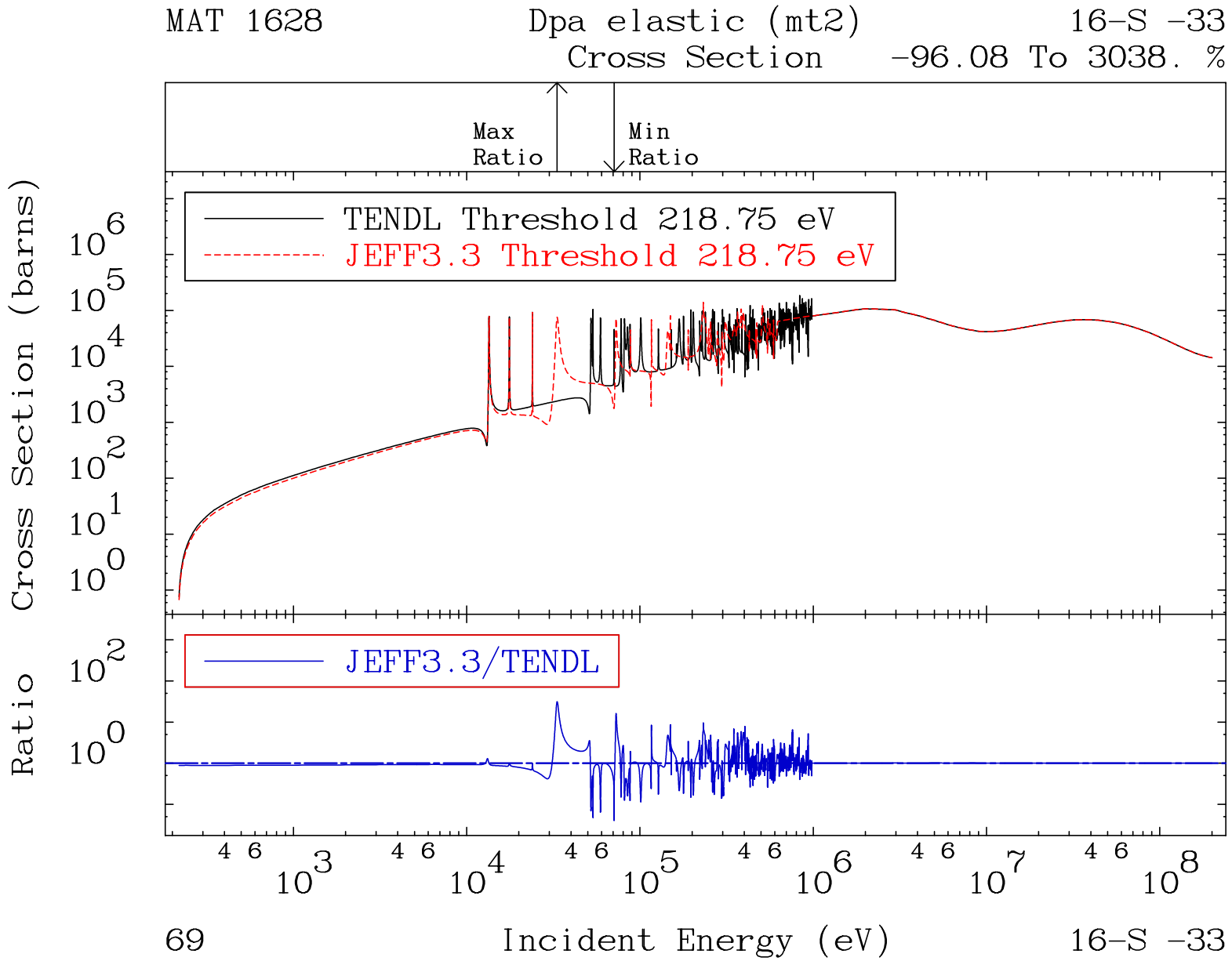

MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
Cross Section -16.03 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{12}
10^{6}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
64
Incident Energy (eV)
16-S -33

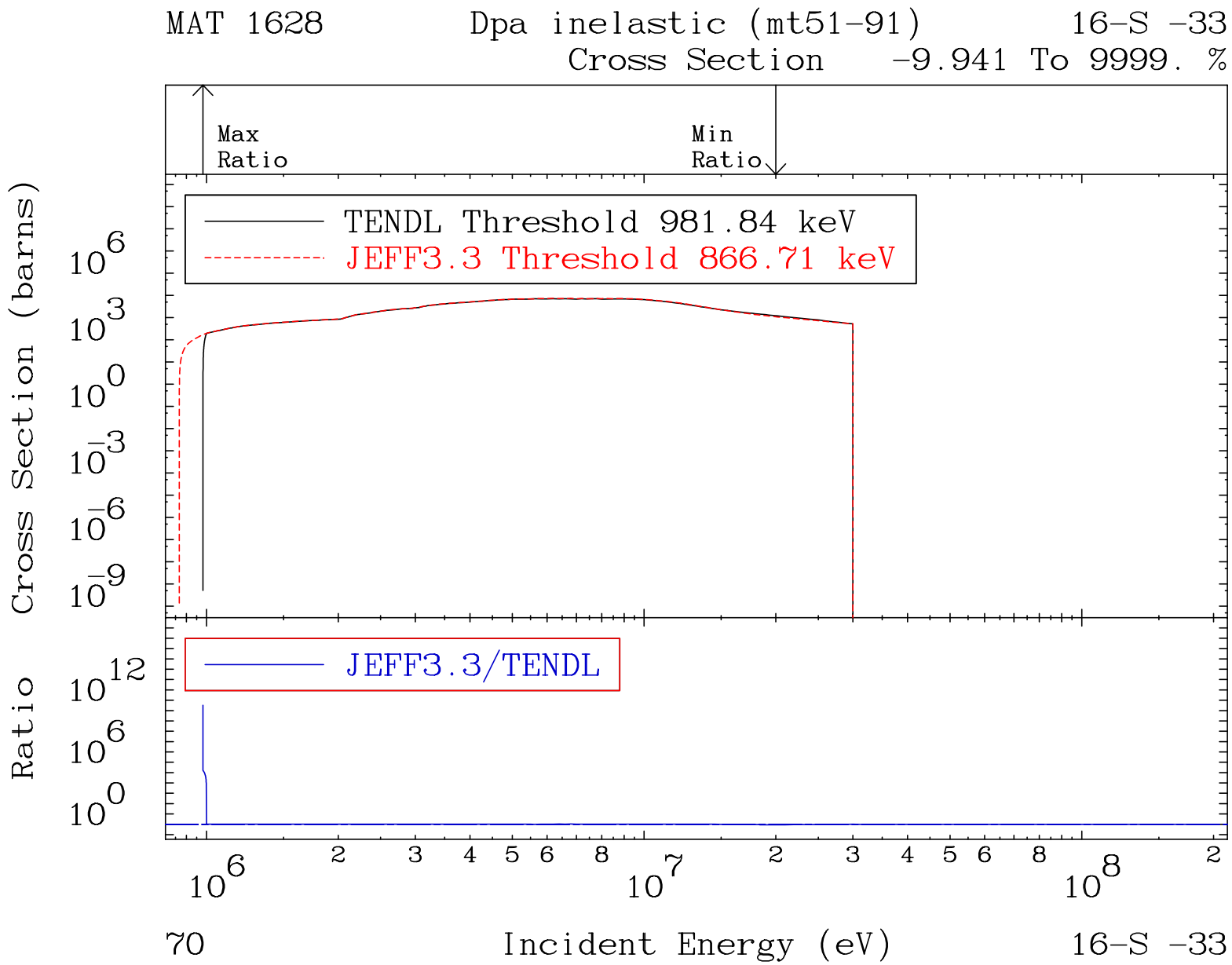

MAT 1628
Kerma capture (mt102)
16-S -33
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
16-S -33

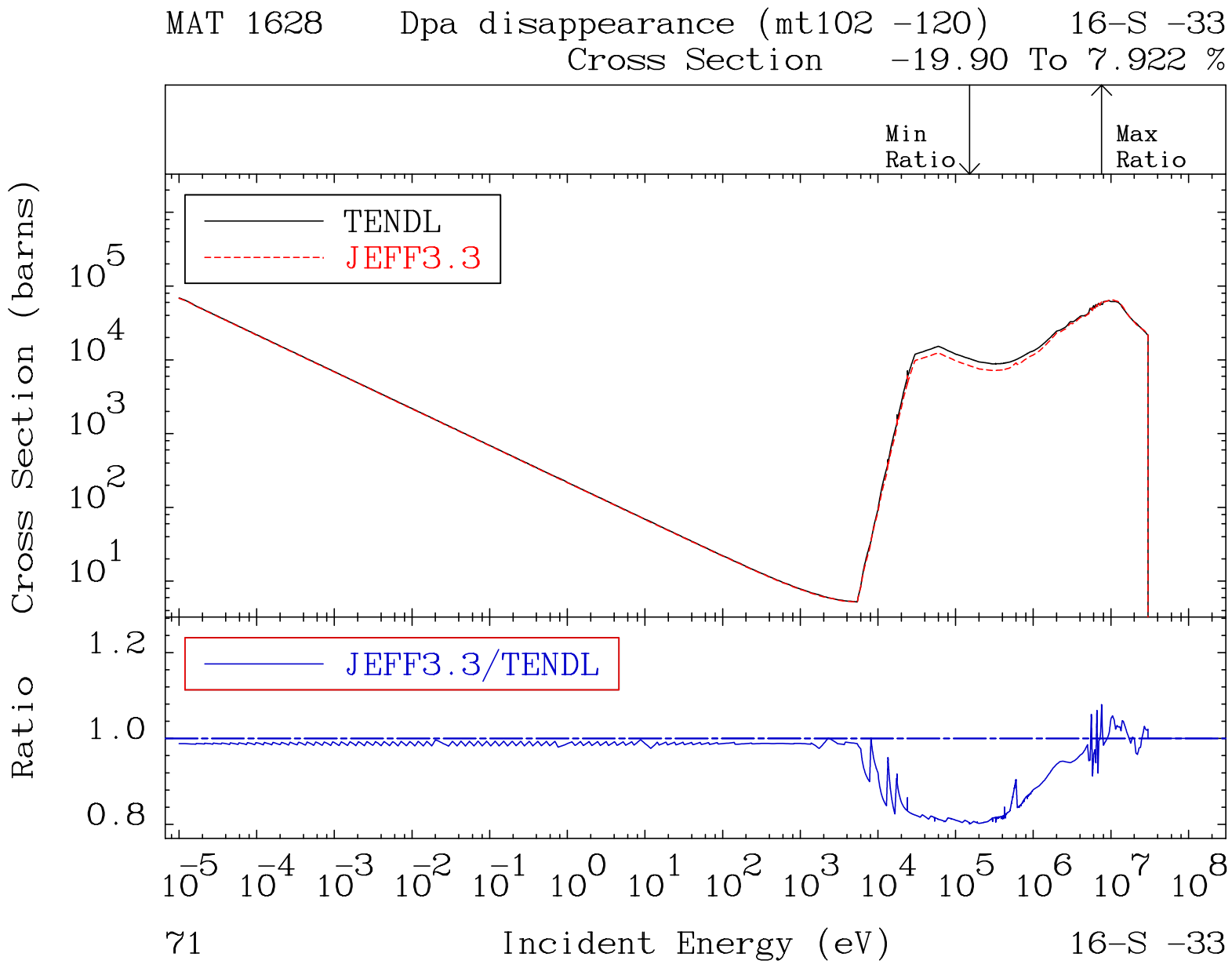

MAT 1628
Total photon (eV-barns)
16-S -33
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
16-S -33


MAT 1628 Total kinematic kerma (high limit) 16-S -33
Cross Section -48.91 To 58.69 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
16-S -33


MAT 1628
Dpa total (eV-barns)
16-S -33
Cross Section -85.75 To 519.6 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
16-S -33


MAT 1628
Dpa elastic (mt2)
Cross Section
16-S -33
-96.08 To 3038. %
Max Ratio
Min Ratio
TENDL Threshold 218.75 eV
JEFF3.3 Threshold 218.75 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
16-S -33


MAT 1628
Dpa inelastic (mt51-91)
16-S -33
Cross Section
-9.941 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 981.84 keV
JEFF3.3 Threshold 866.71 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
16-S -33


MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
Cross Section -19.90 To 7.922 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
16-S -33