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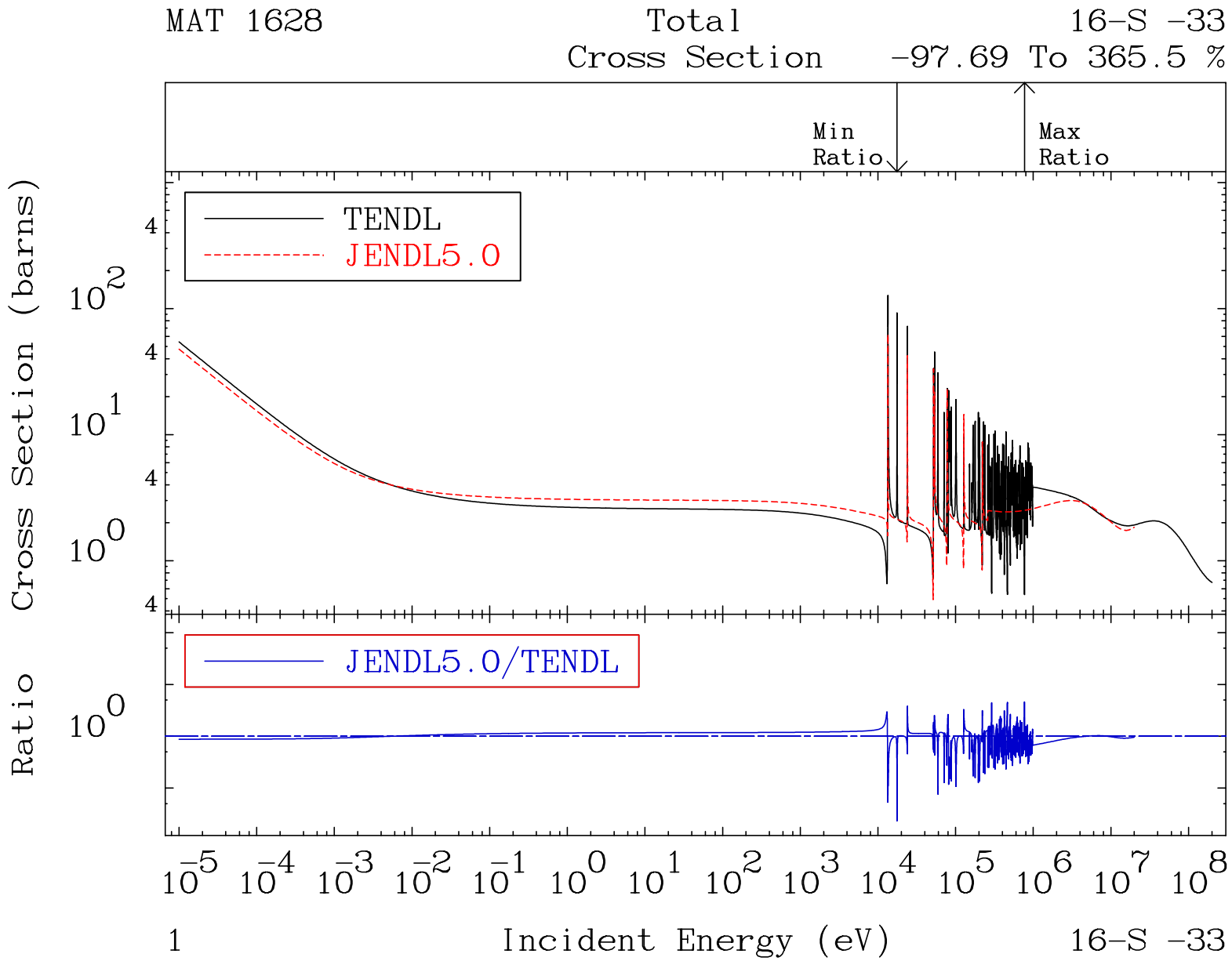
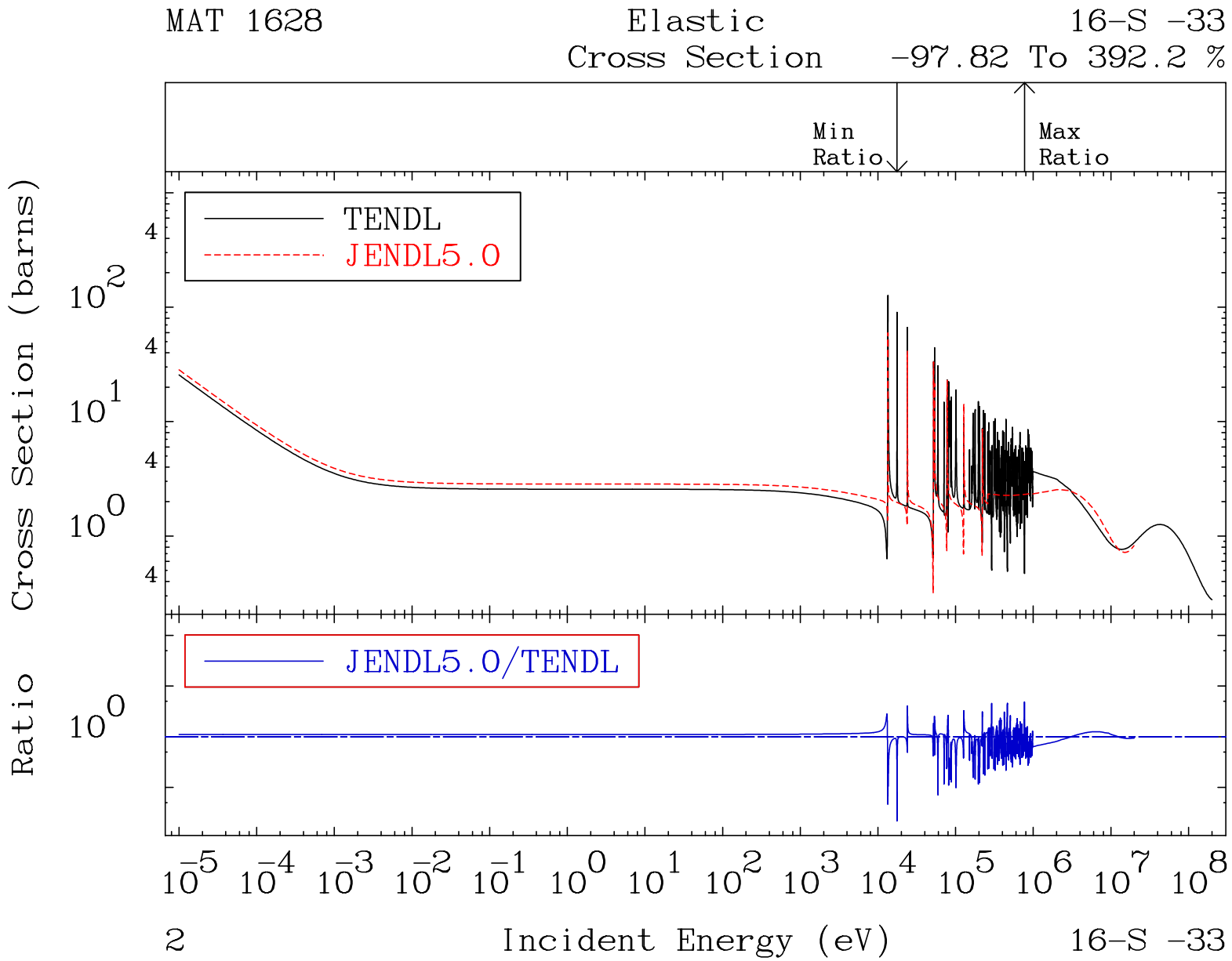
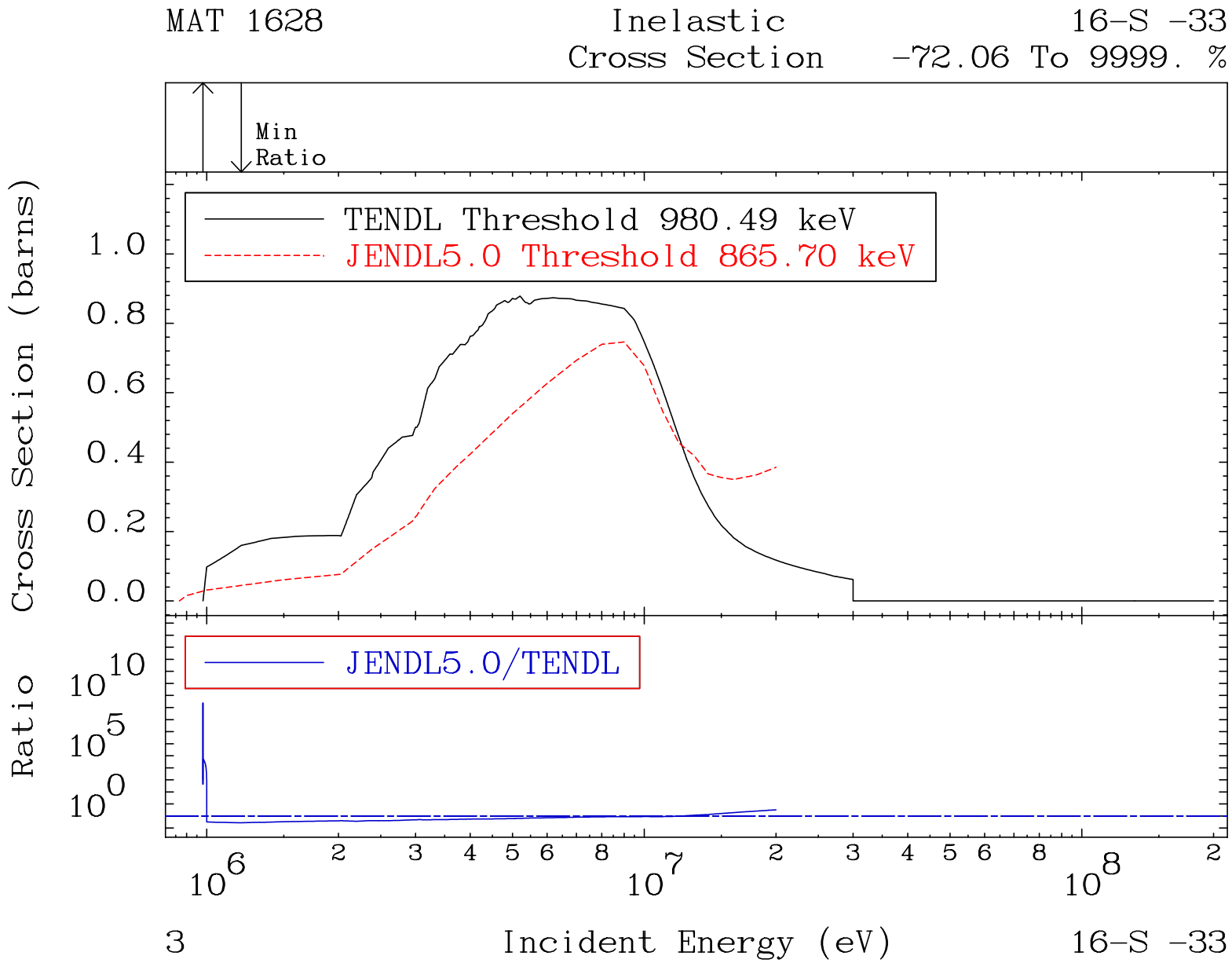
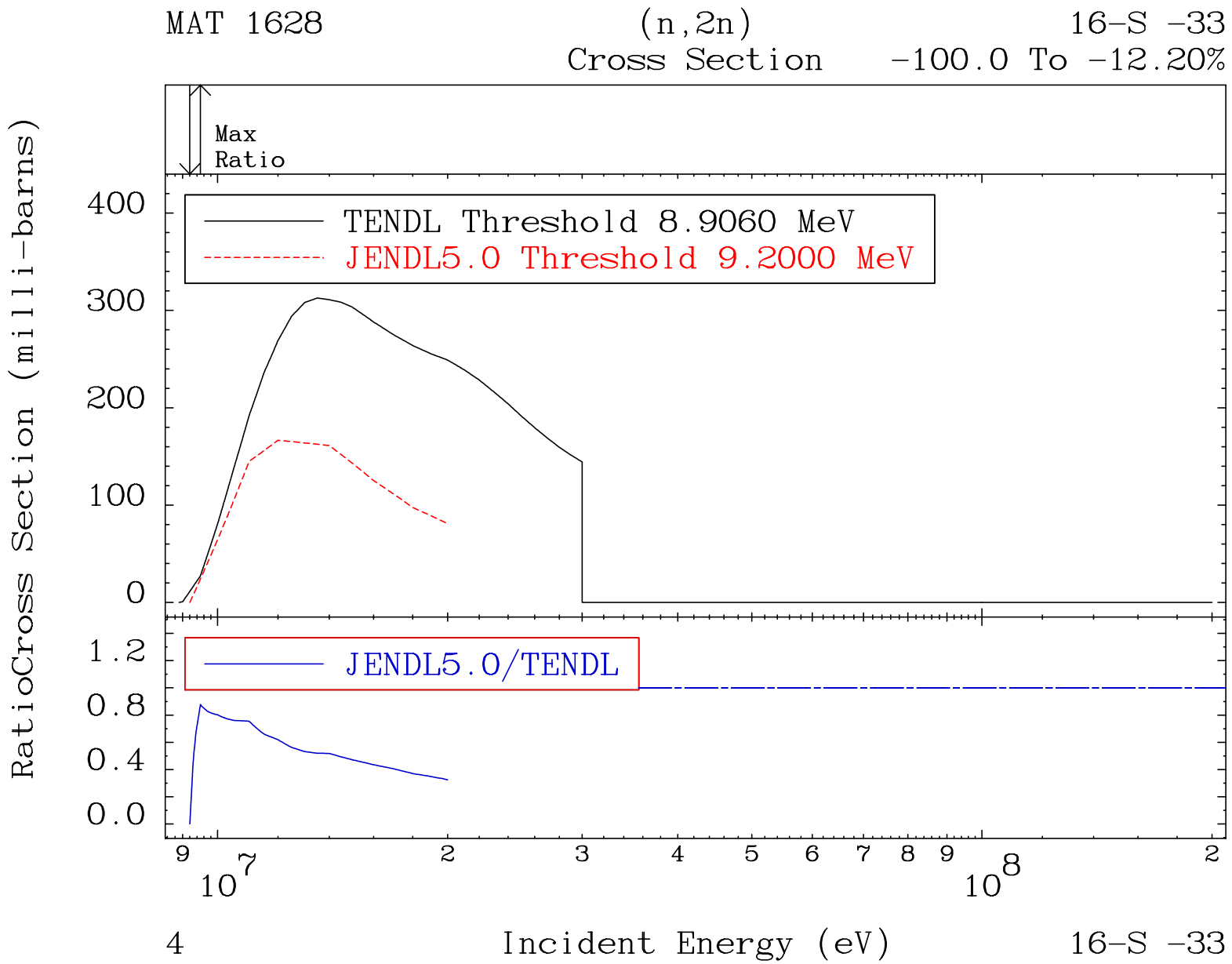
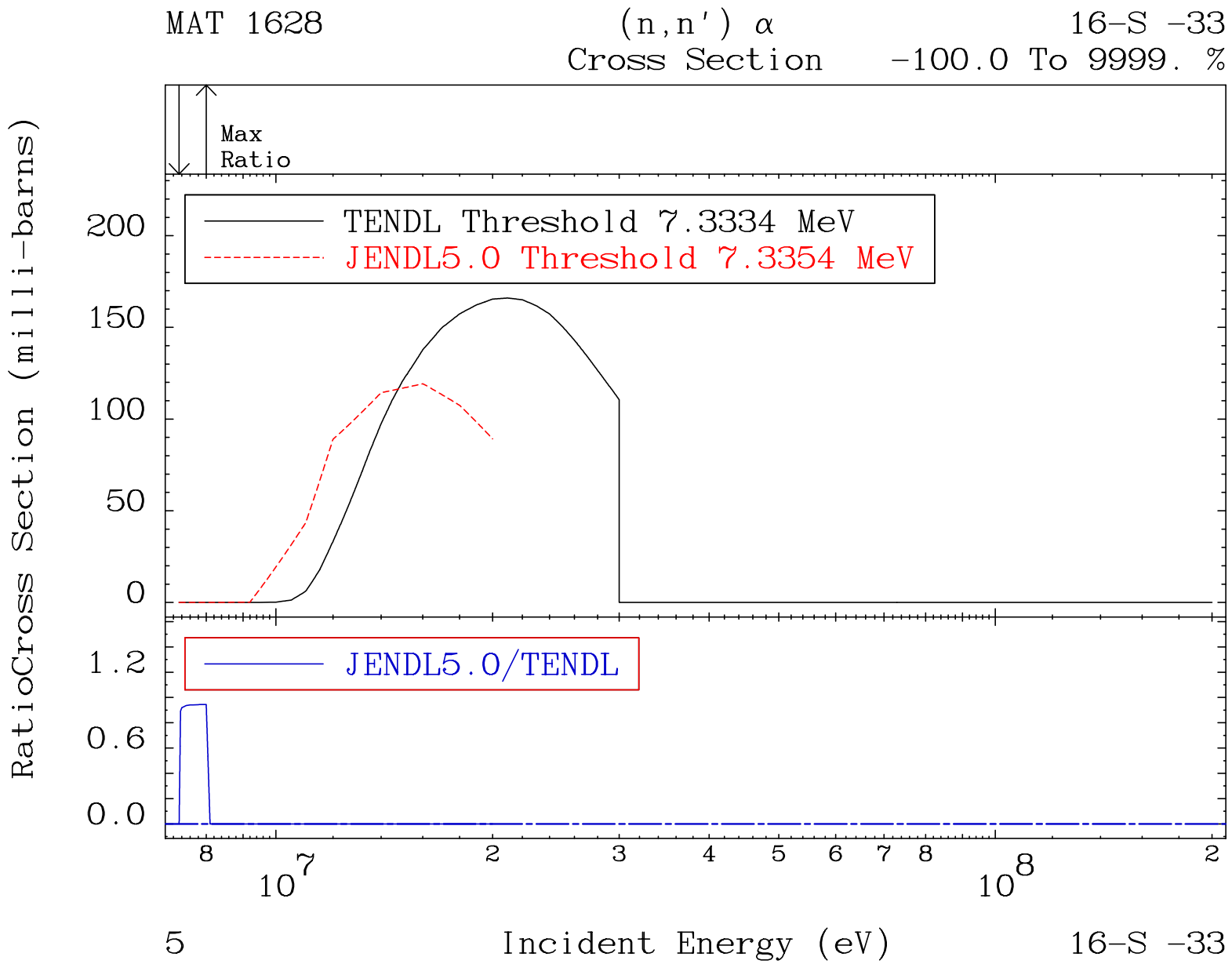
Press Mouse Button to Start

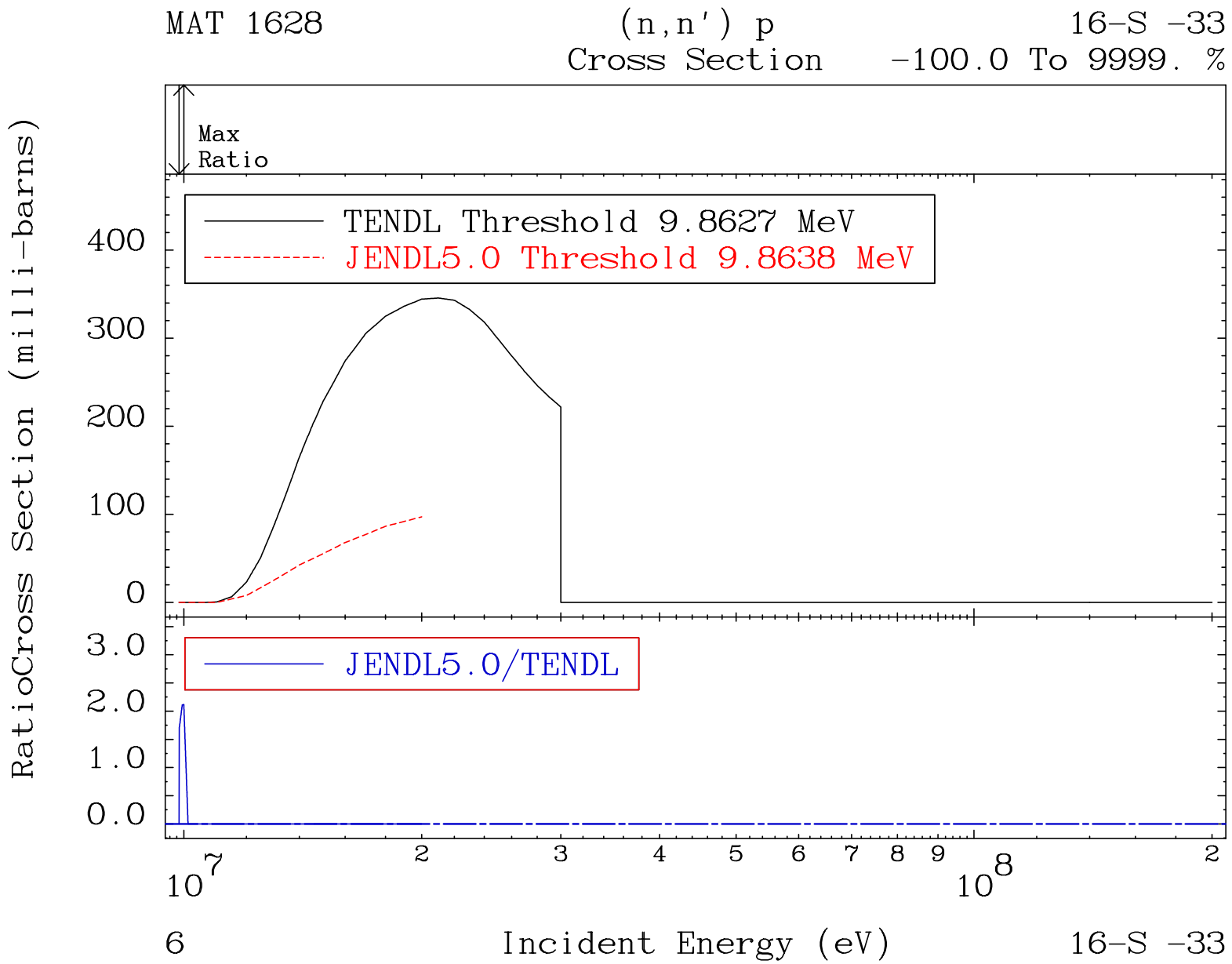

MAT 1628
Total
Cross Section
16-S -33
-97.69 To 365.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
16-S -33

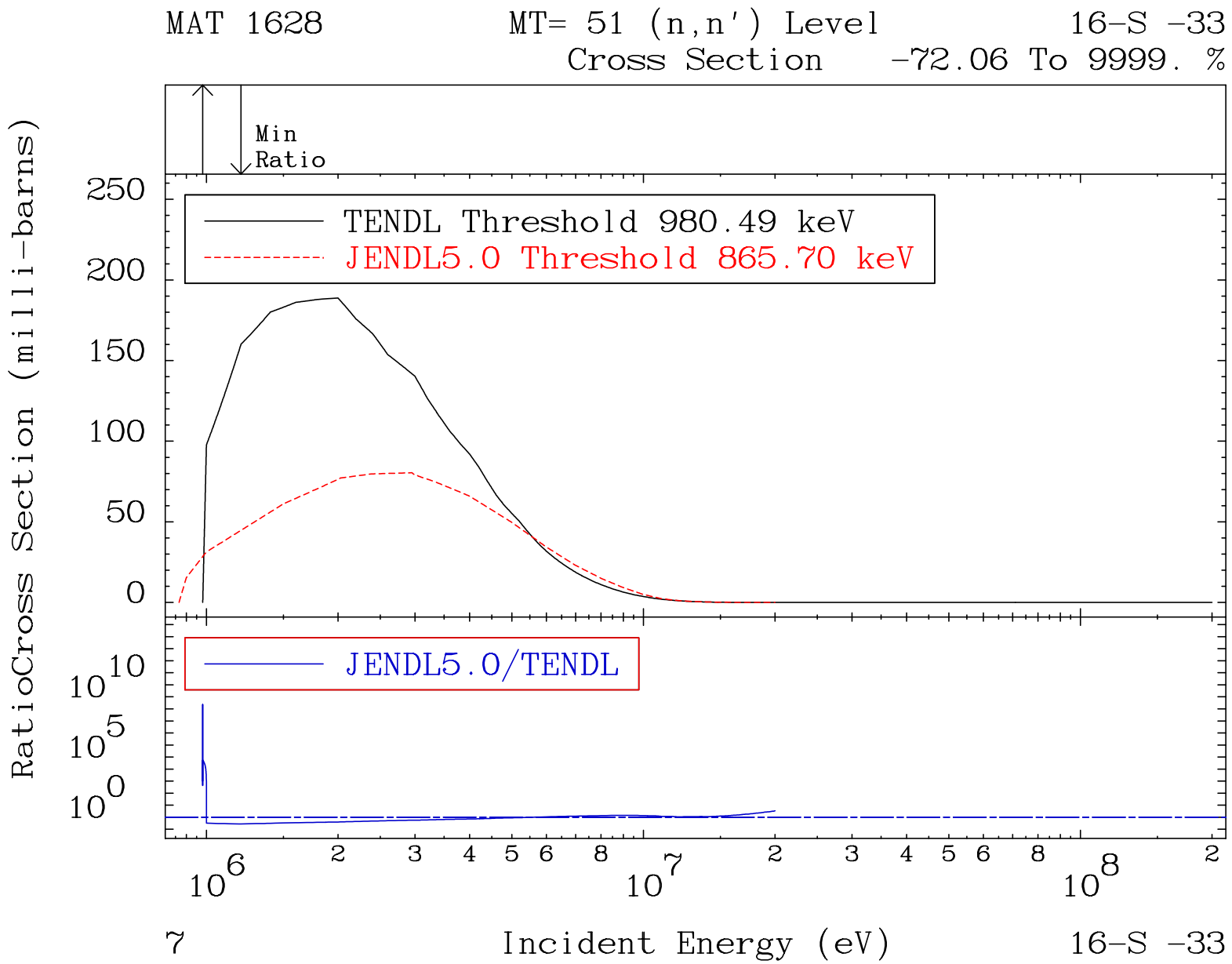

MAT 1628
Elastic
Cross Section
16-S -33
-97.82 To 392.2 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
16-S -33

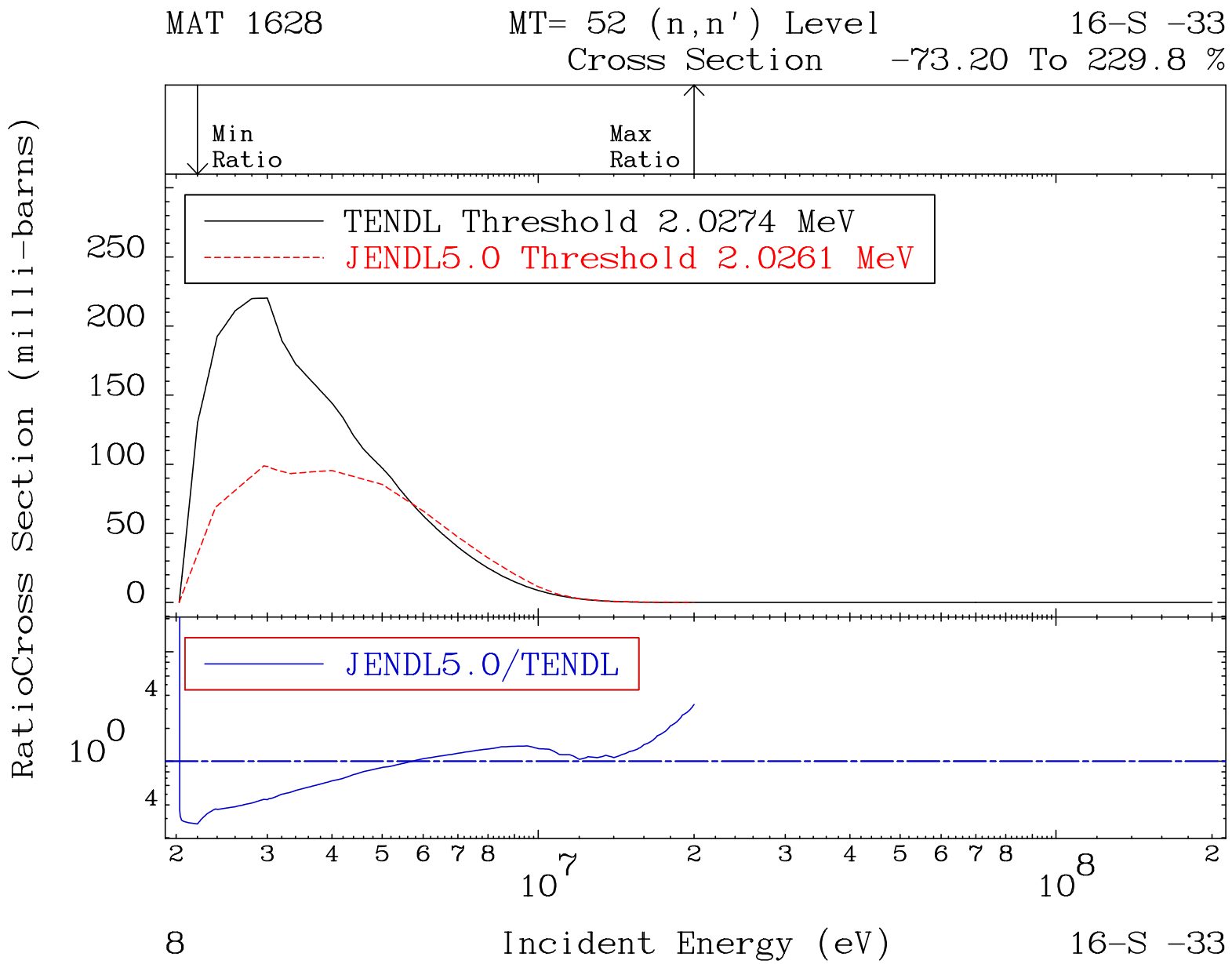

MAT 1628
Inelastic
Cross Section
16-S -33
-72.06 To 9999. %
Min
Ratio
TENDL Threshold 980.49 keV
JENDL5.0 Threshold 865.70 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^10
10^5
10^0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
16-S -33

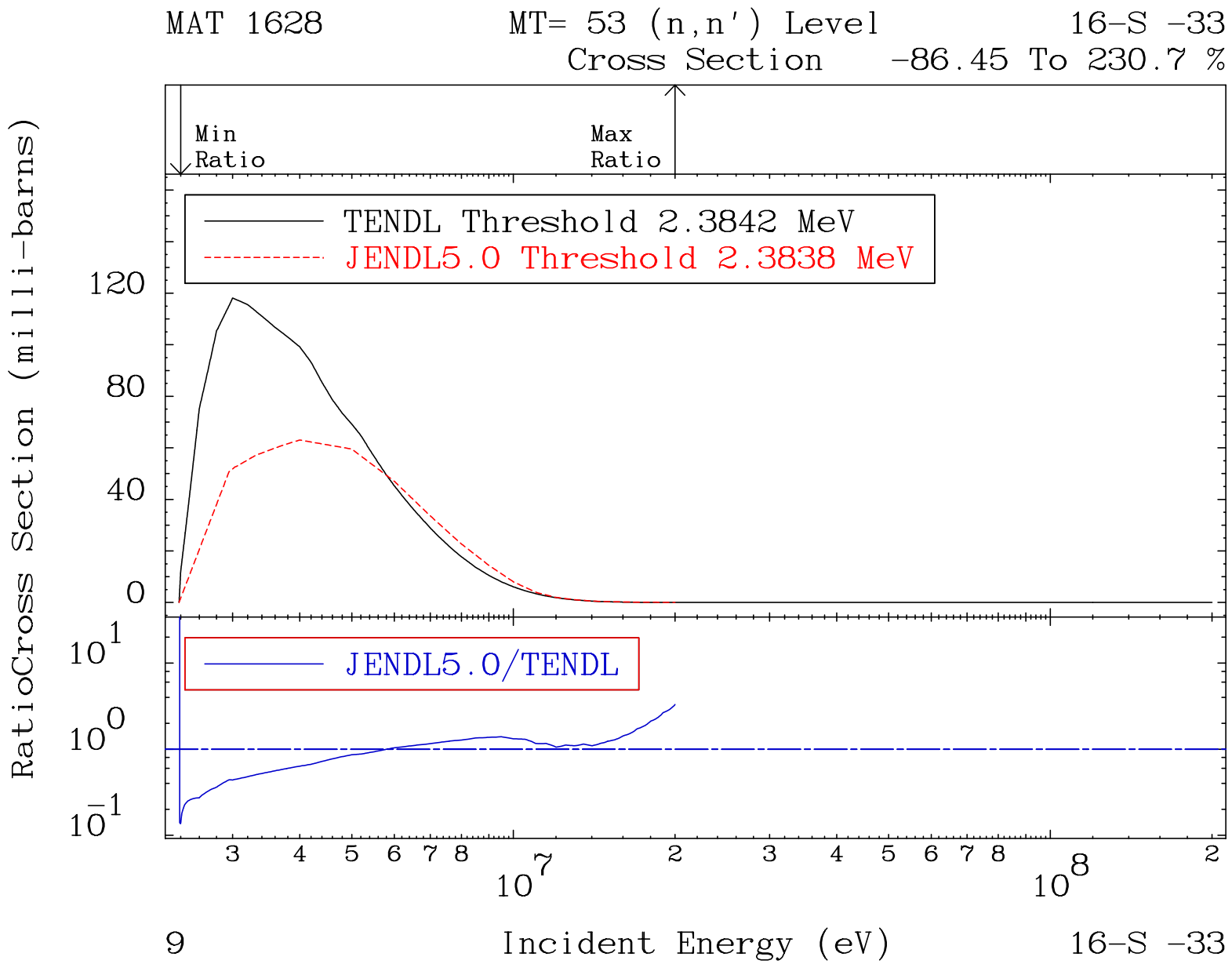

MAT 1628
(n,2n)
Cross Section
16-S -33
-100.0 To -12.20%
Max
Ratio
TENDL Threshold 8.9060 MeV
JENDL5.0 Threshold 9.2000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
16-S -33

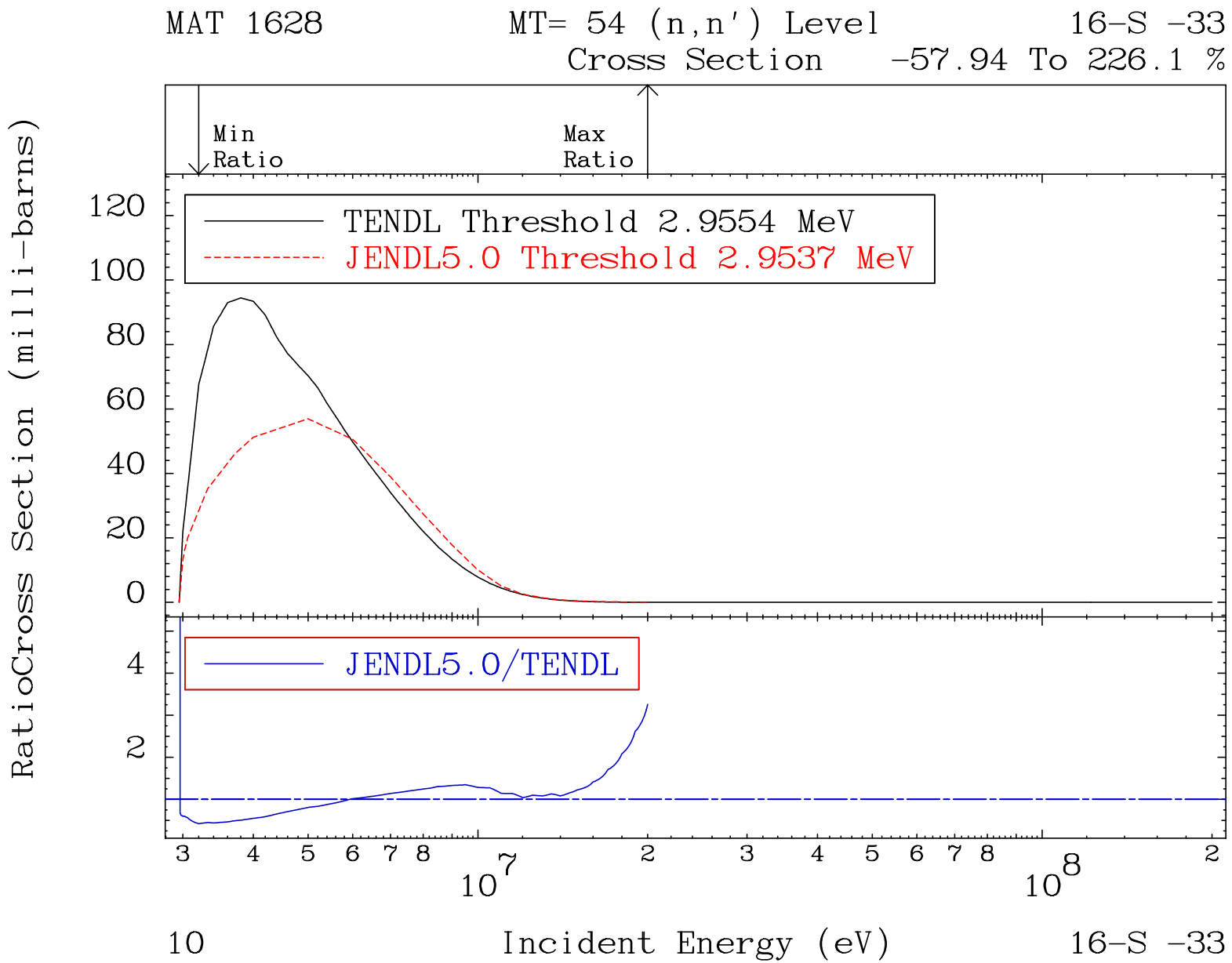

MAT 1628
(n,n') α
Cross Section
16-S -33
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.3334 MeV
JENDL5.0 Threshold 7.3354 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
16-S -33

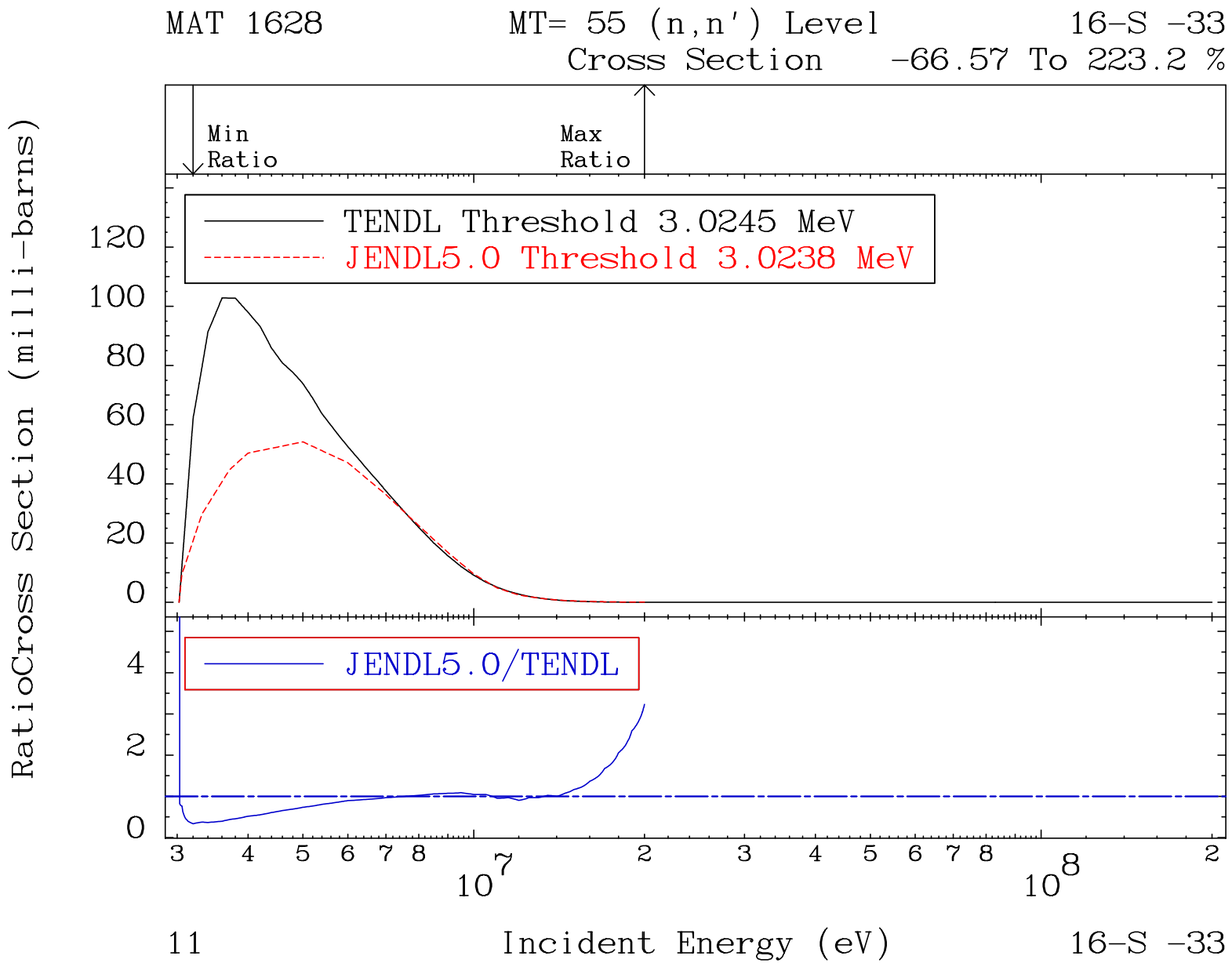

MAT 1628
(n,n') p
Cross Section
16-S -33
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.8627 MeV
JENDL5.0 Threshold 9.8638 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
16-S -33

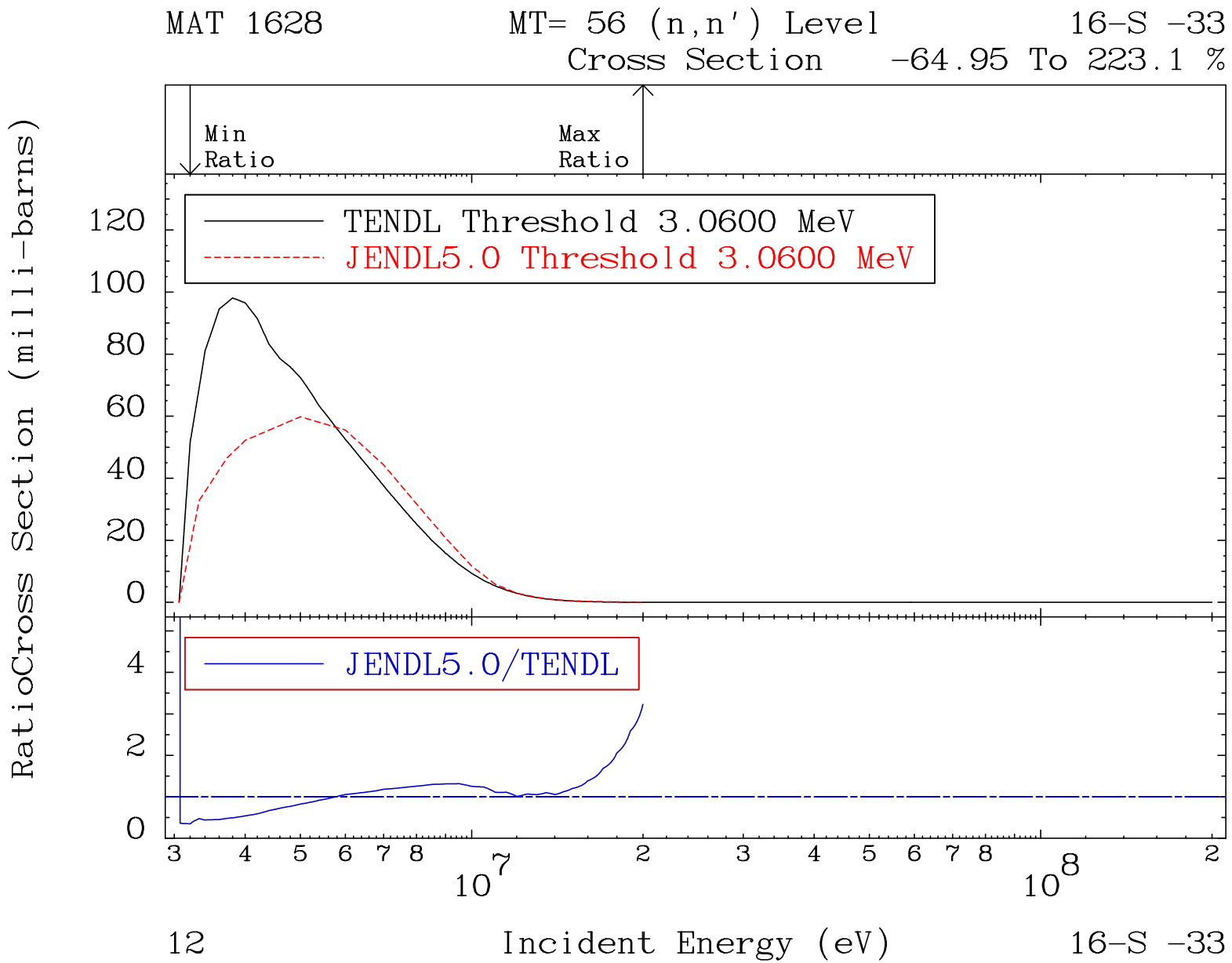

MAT 1628
MT= 51 (n,n') Level
16-S -33
Cross Section -72.06 To 9999. %
Min
Ratio
250
200
150
100
50
0
TENDL Threshold 980.49 keV
JENDL5.0 Threshold 865.70 keV
RatioCross Section (milli-barns)
JENDL5.0/TENDL
10^10
10^5
10^0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
7
Incident Energy (eV)
16-S -33

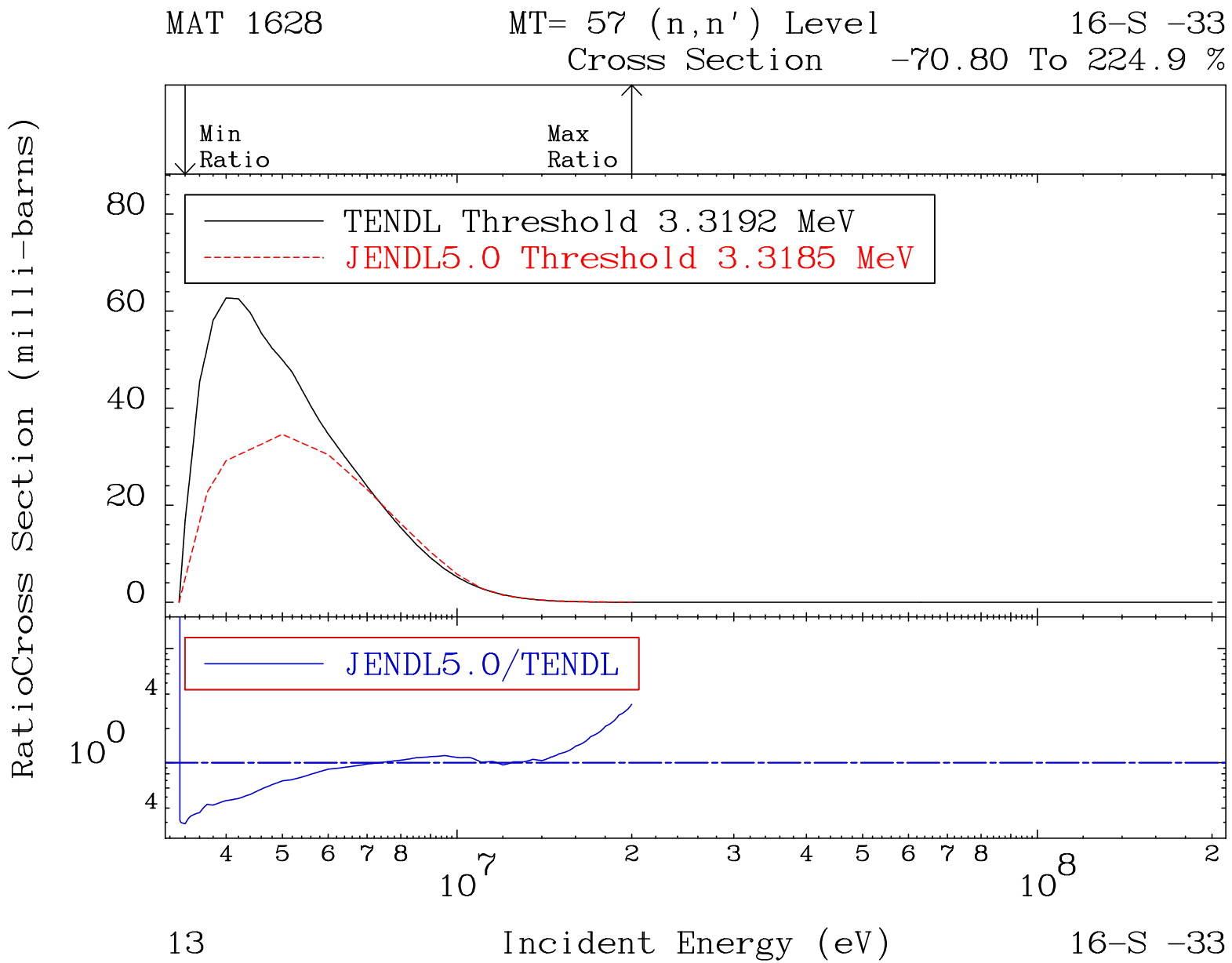

MAT 1628
MT= 52 (n,n') Level
16-S -33
Cross Section -73.20 To 229.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.0274 MeV
JENDL5.0 Threshold 2.0261 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16-S -33
8

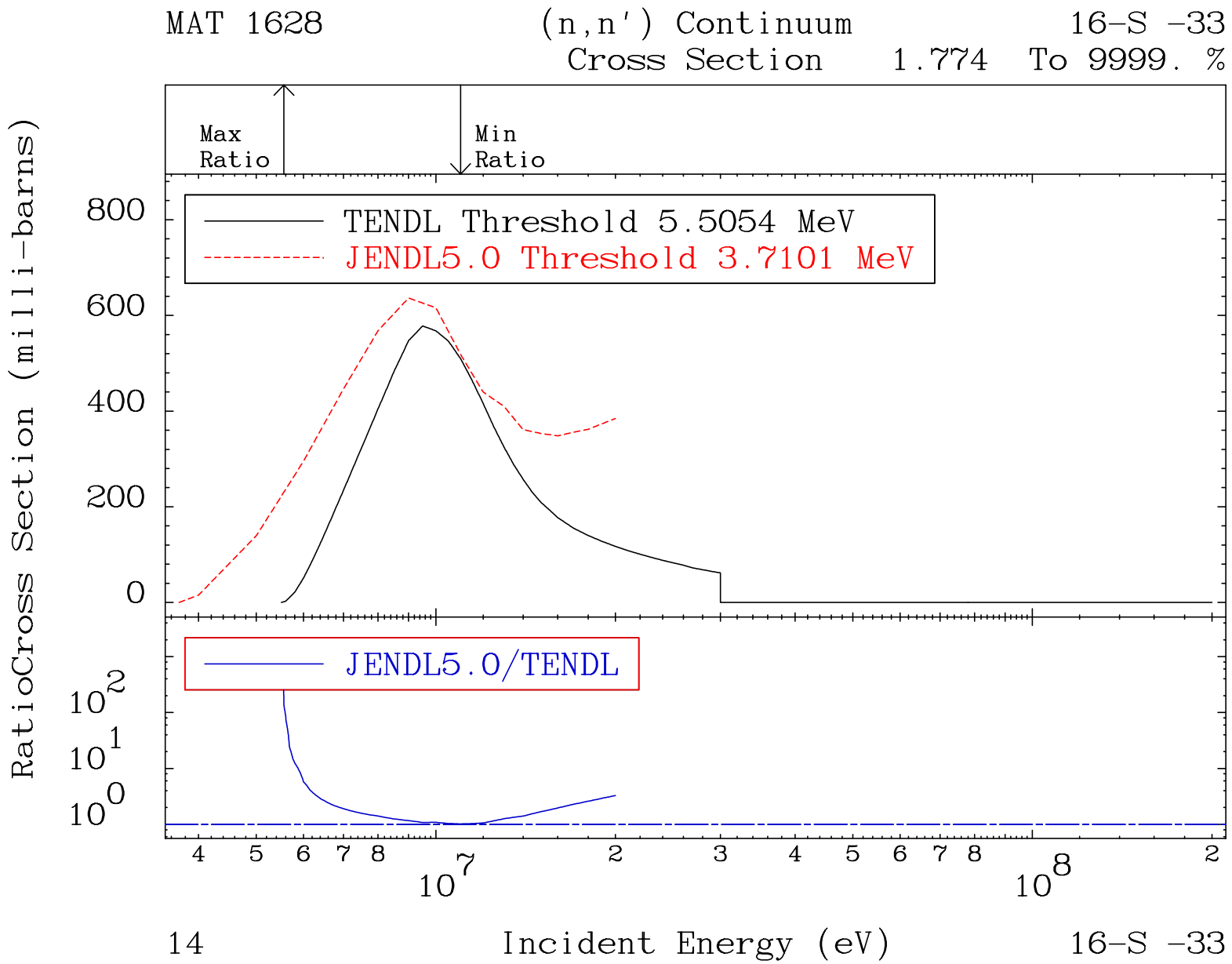

MAT 1628
MT= 53 (n,n') Level
16-S -33
Cross Section -86.45 To 230.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.3842 MeV
JENDL5.0 Threshold 2.3838 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^1
10^0
10^-1
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
16-S -33

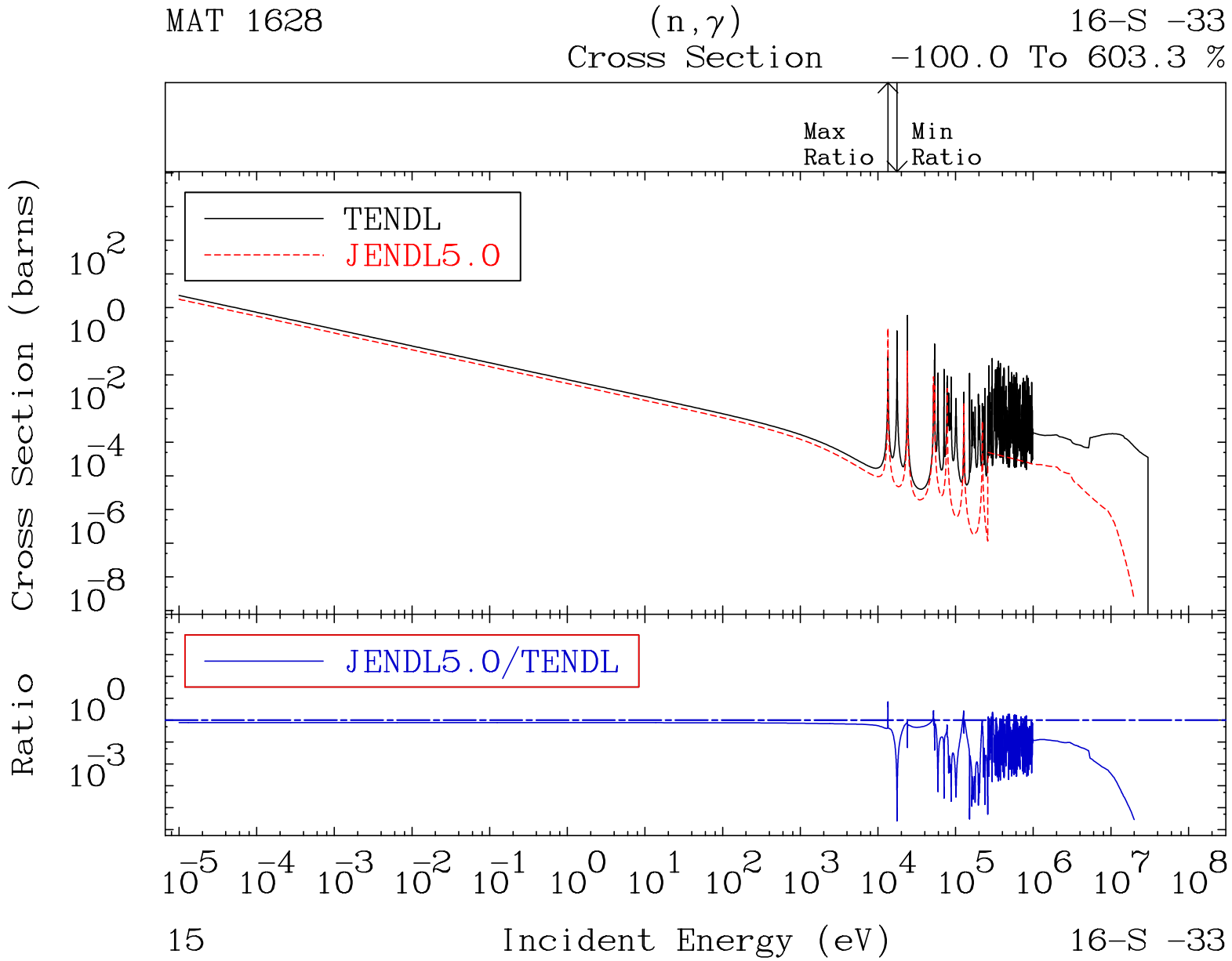

MAT 1628
MT= 54 (n,n') Level
16-S -33
Cross Section -57.94 To 226.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.9554 MeV
JENDL5.0 Threshold 2.9537 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
16-S -33

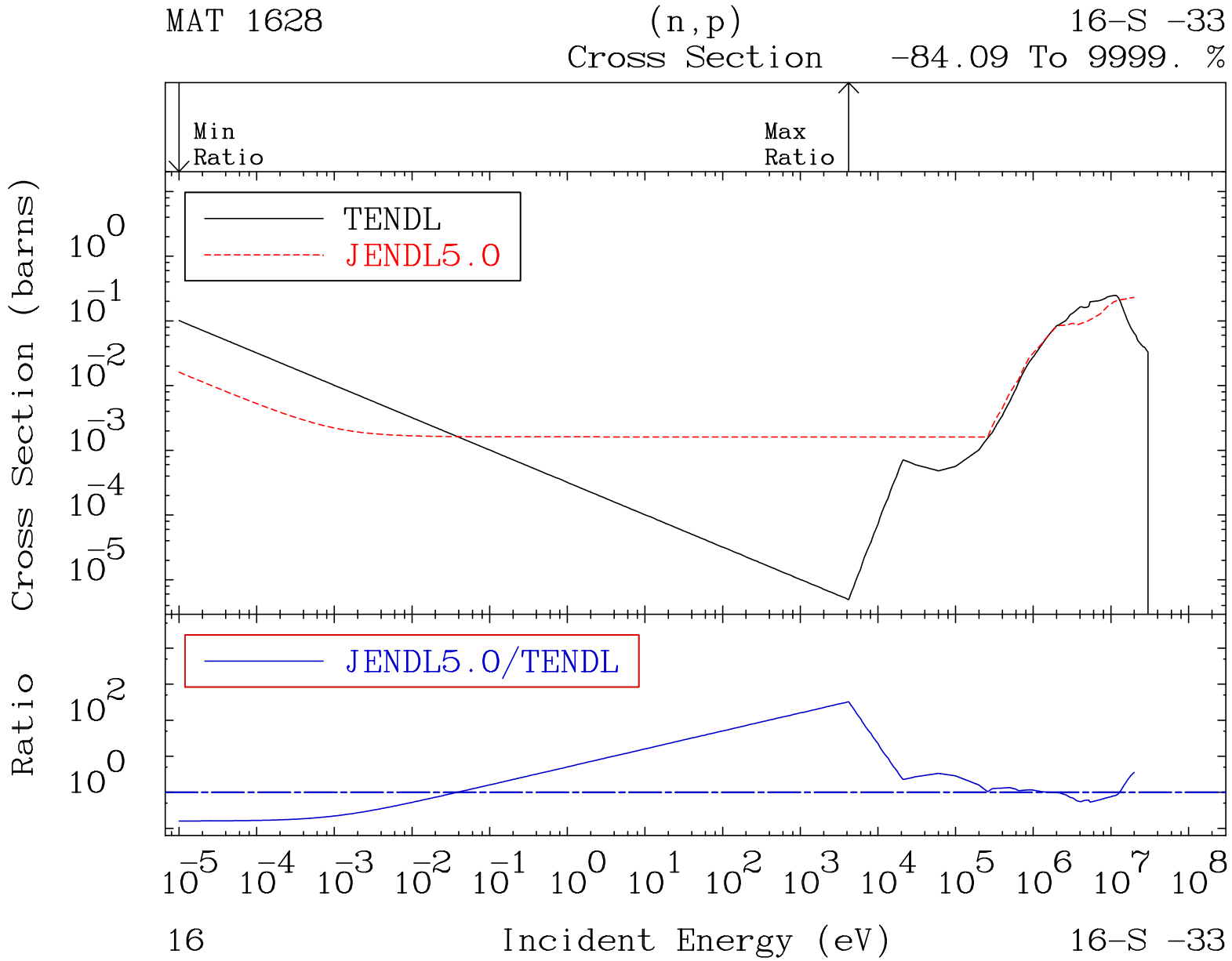

MAT 1628
MT= 55 (n,n') Level
16-S -33
Cross Section -66.57 To 223.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.0245 MeV
JENDL5.0 Threshold 3.0238 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
16-S -33

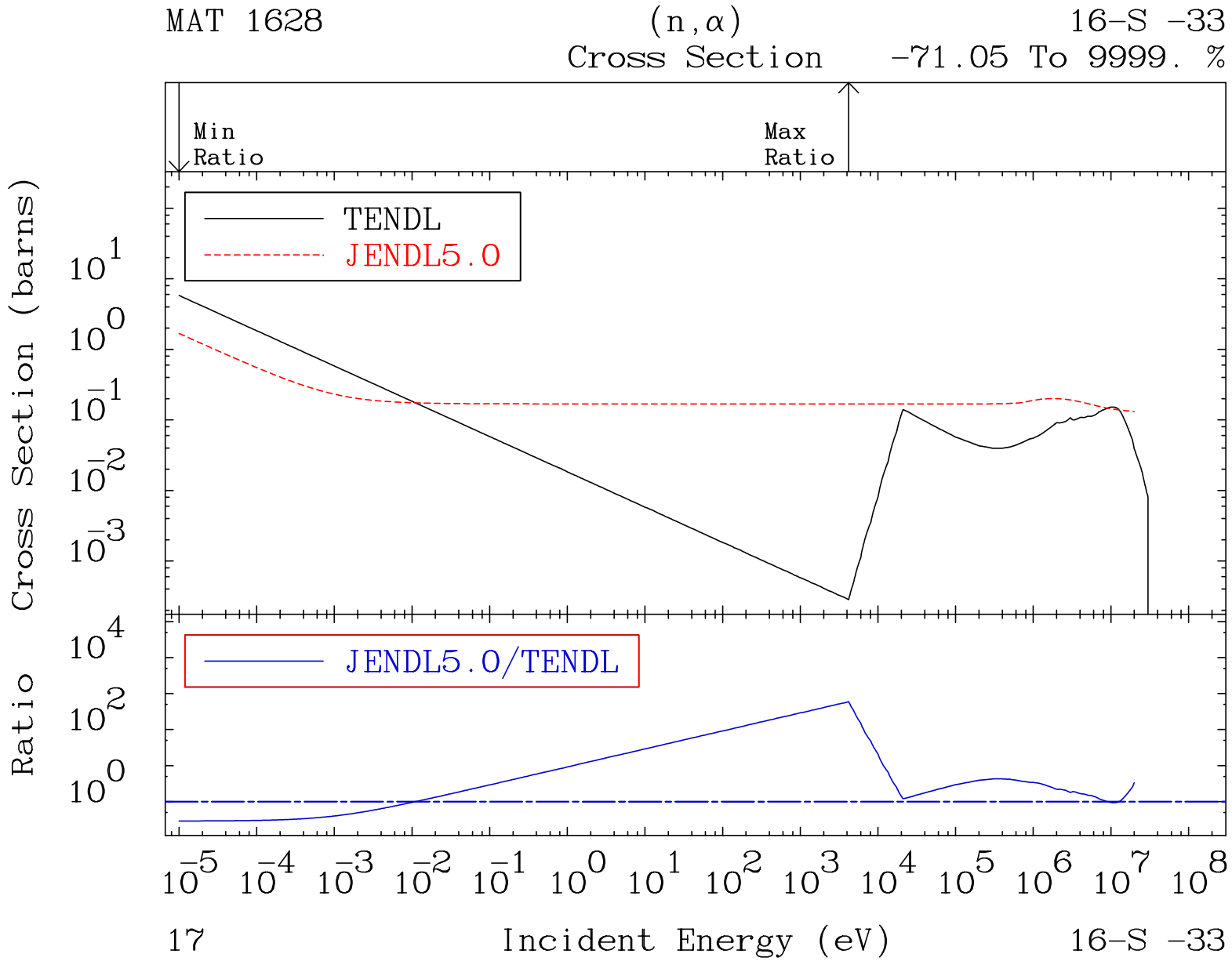

MAT 1628
MT= 56 (n,n') Level
16-S -33
Cross Section -64.95 To 223.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.0600 MeV
JENDL5.0 Threshold 3.0600 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
16-S -33

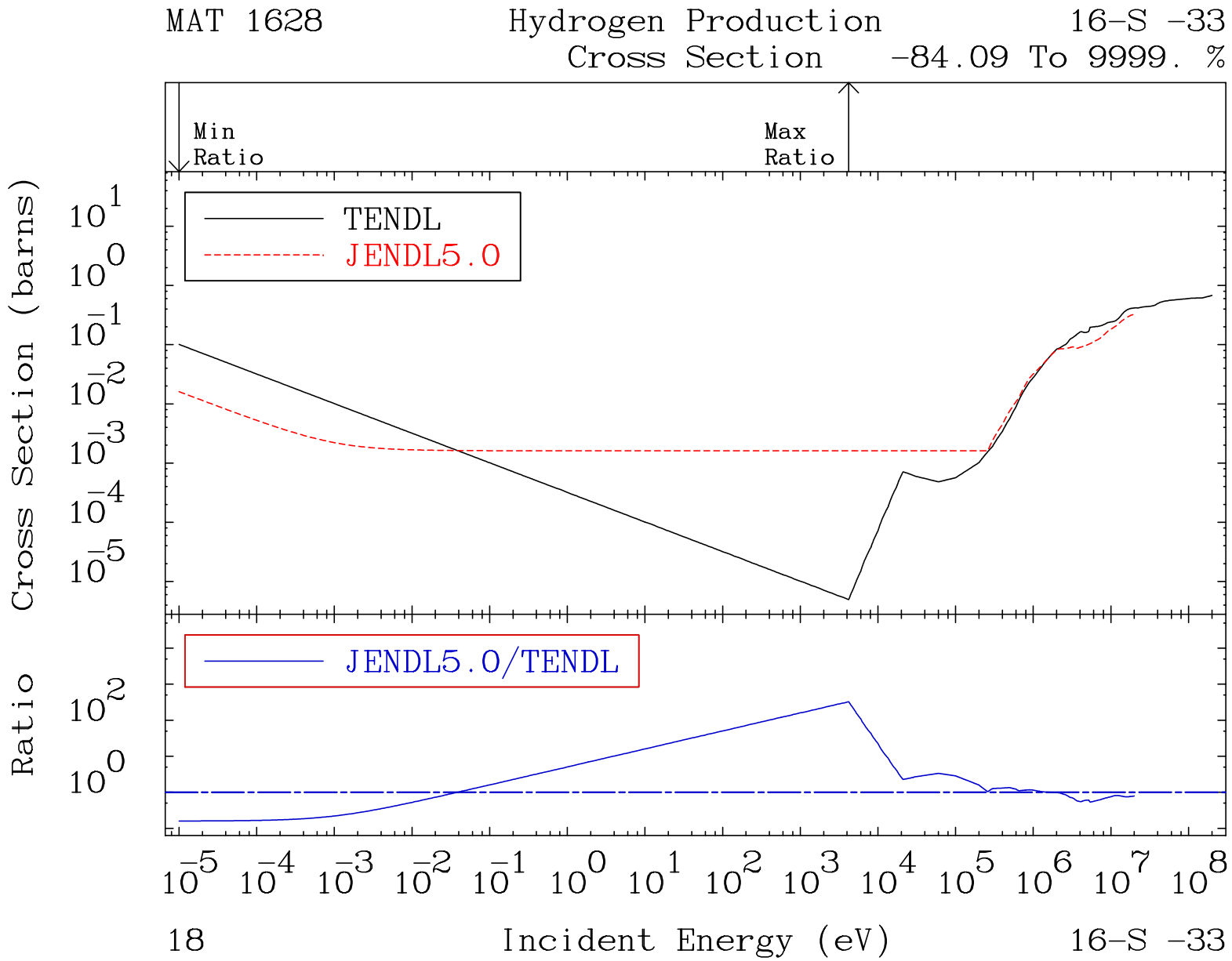

MAT 1628
MT= 57 (n,n') Level
16-S -33
Cross Section -70.80 To 224.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.3192 MeV
JENDL5.0 Threshold 3.3185 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
16-S -33

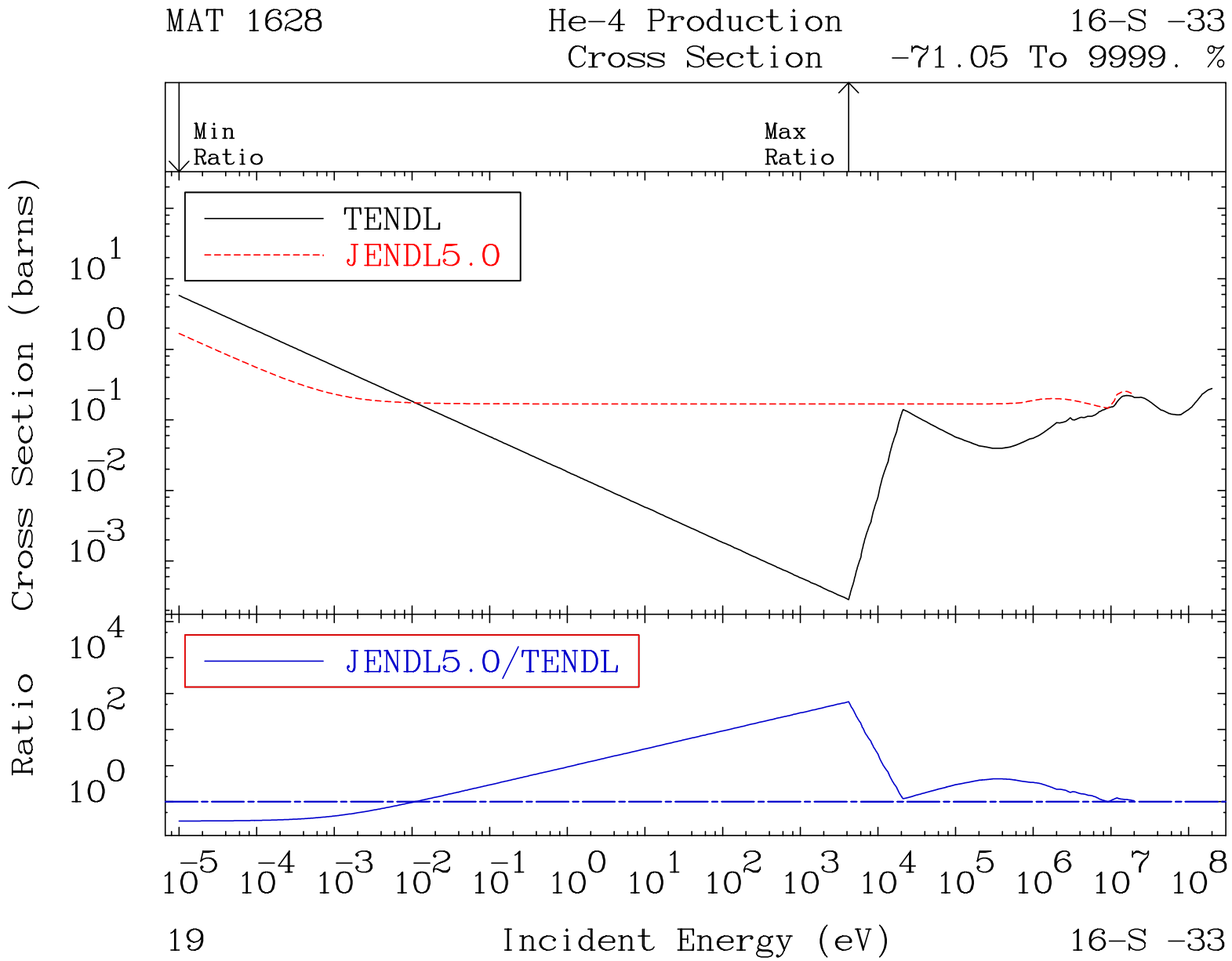

MAT 1628
(n,n') Continuum
16-S -33
Cross Section 1.774 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.5054 MeV
JENDL5.0 Threshold 3.7101 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
10^2
10^1
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
16-S -33

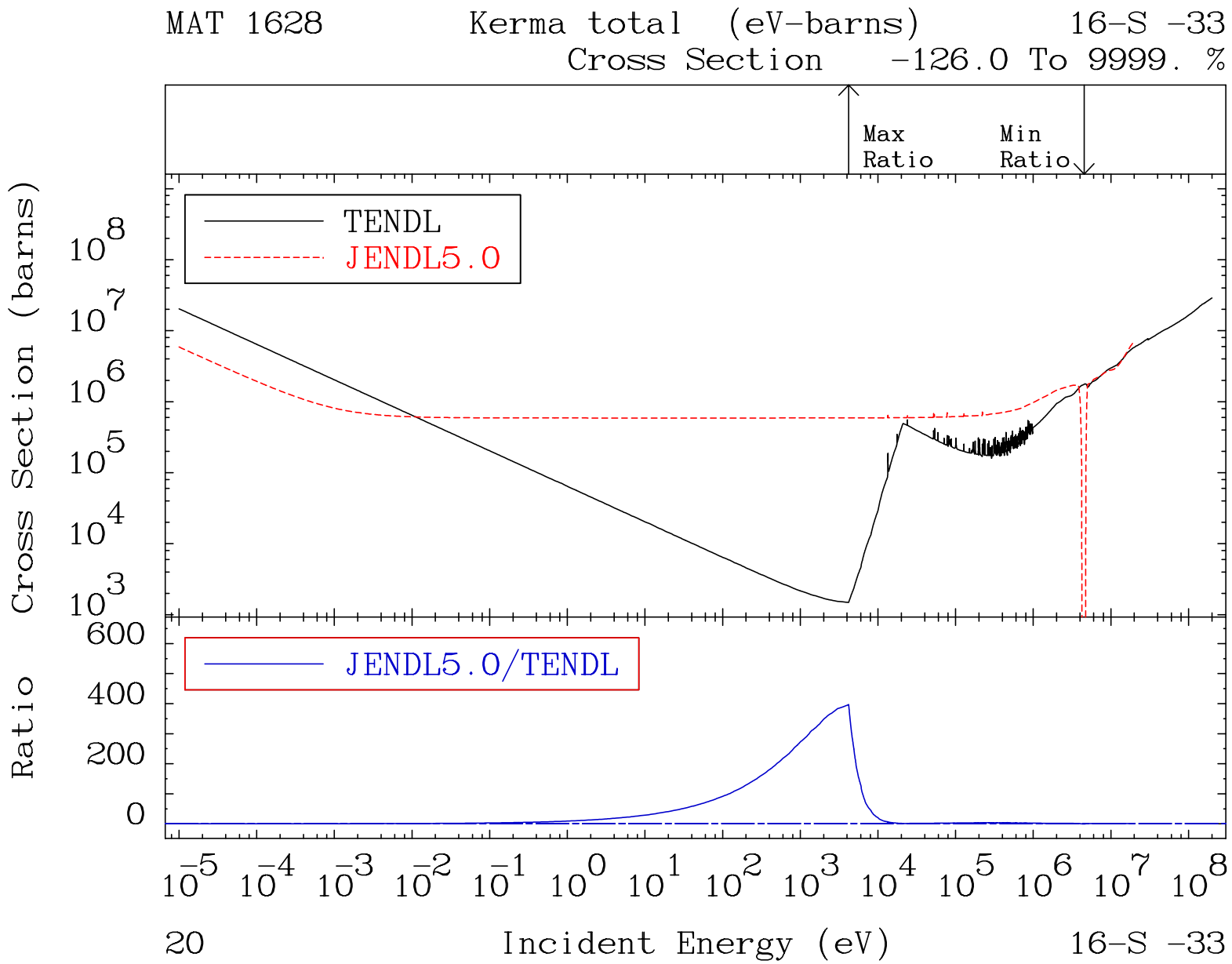

MAT 1628
(n,γ)
Cross Section
16-S -33
-100.0 To 603.3 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
15
16-S -33

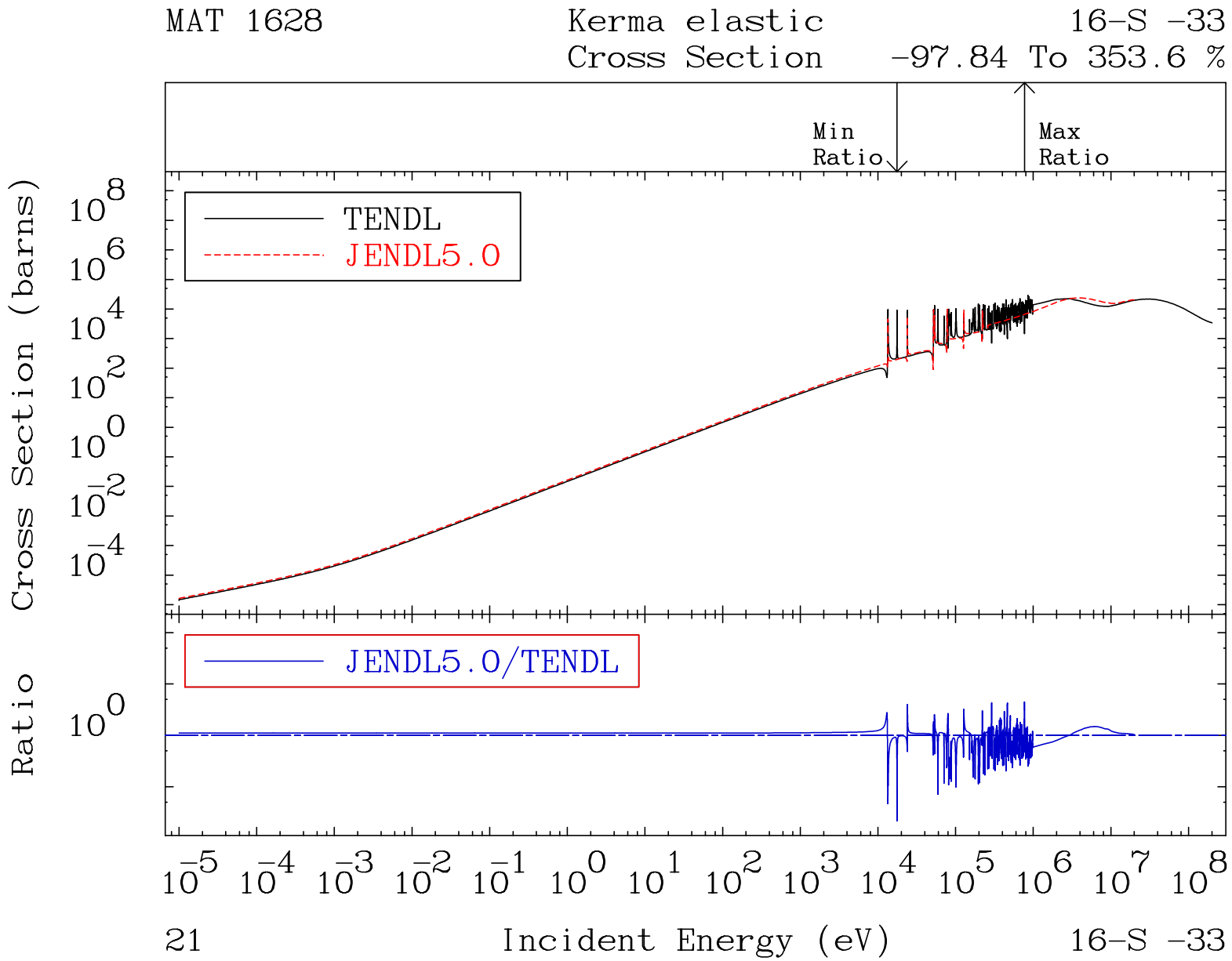

MAT 1628
(n,p)
16-S -33
Cross Section
-84.09 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
16
Incident Energy (eV)
16-S -33

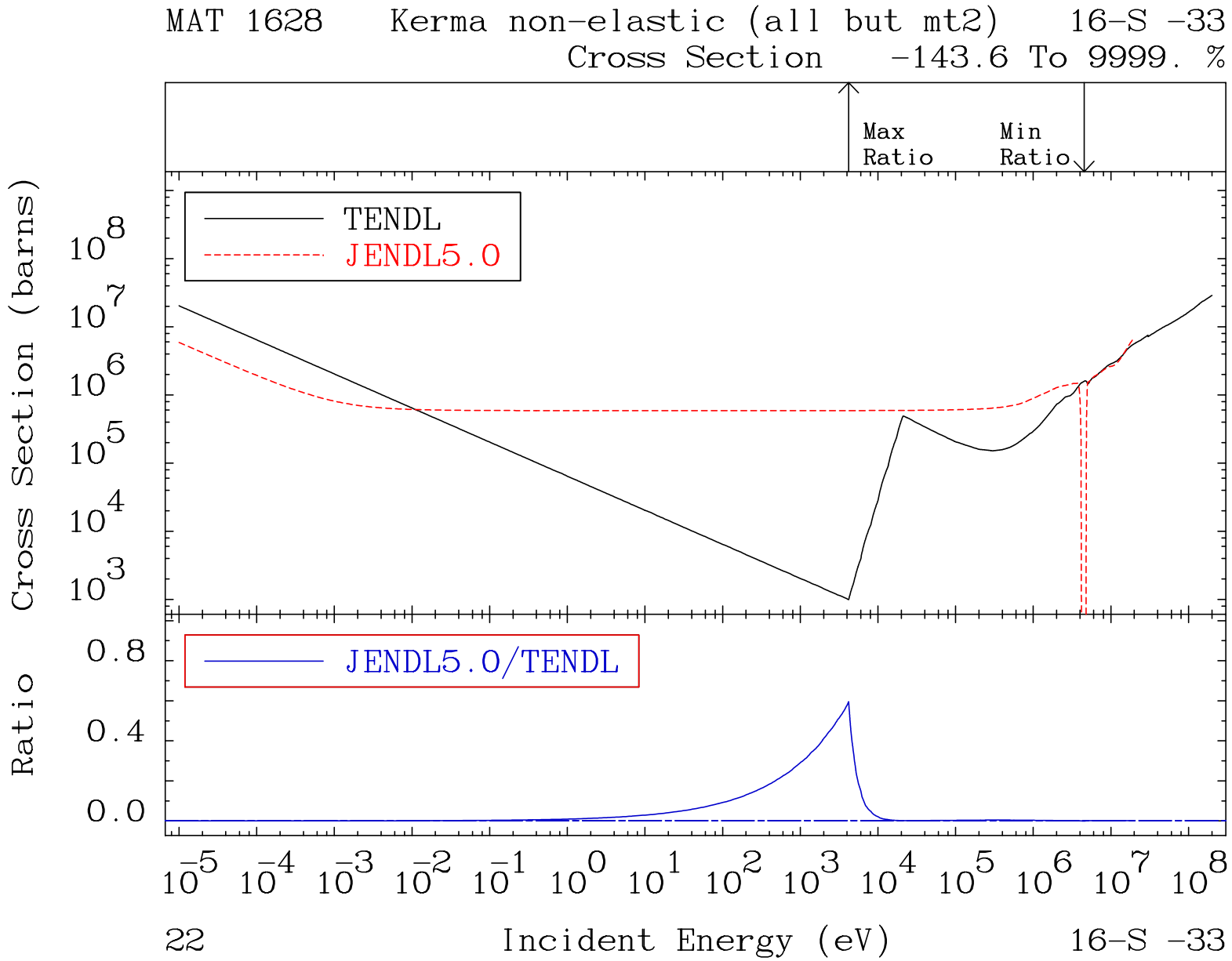

MAT 1628
(n,α)
16-S -33
Cross Section
-71.05 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
17
16-S -33

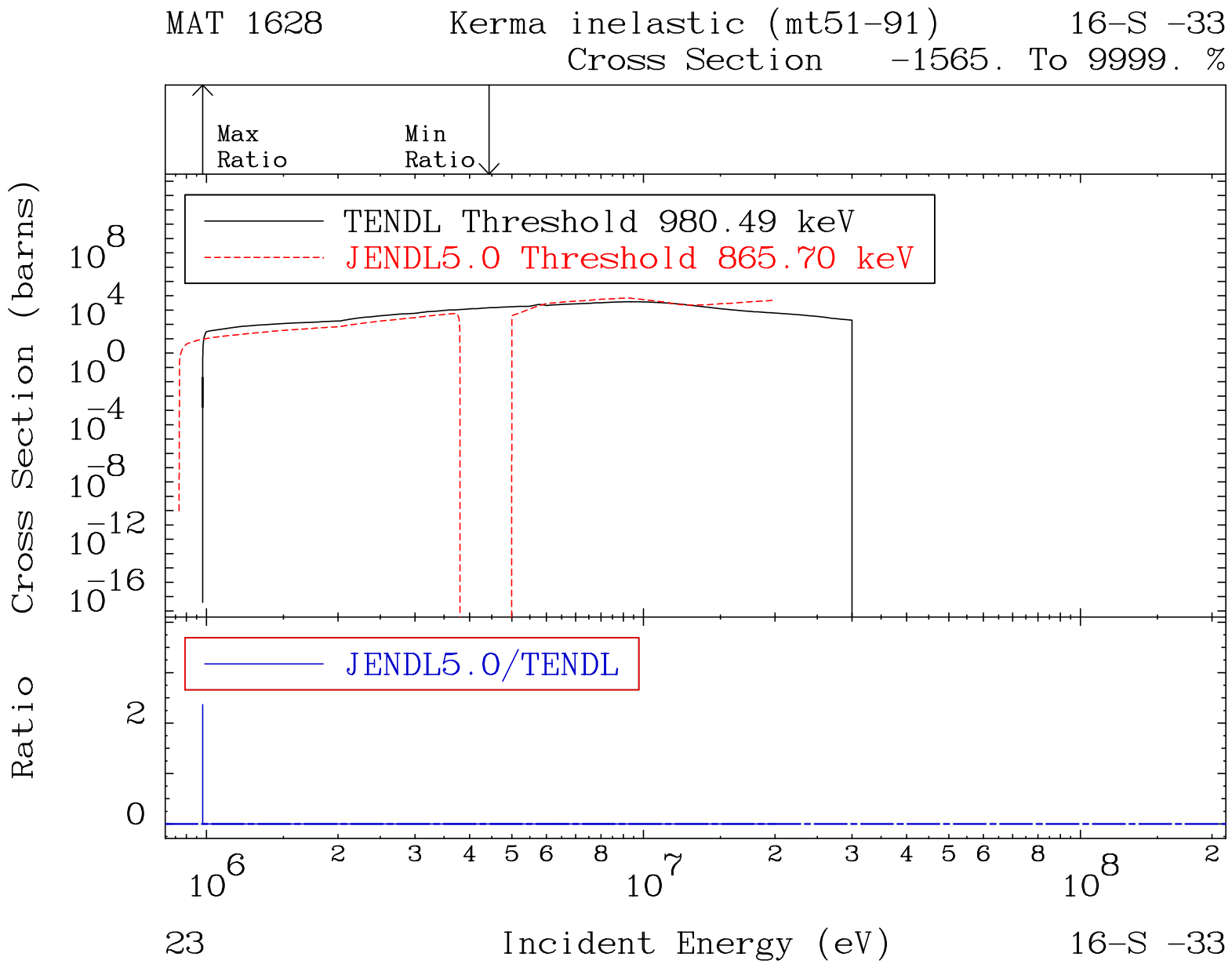

MAT 1628
Hydrogen Production
16-S -33
Cross Section
-84.09 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
18
16-S -33

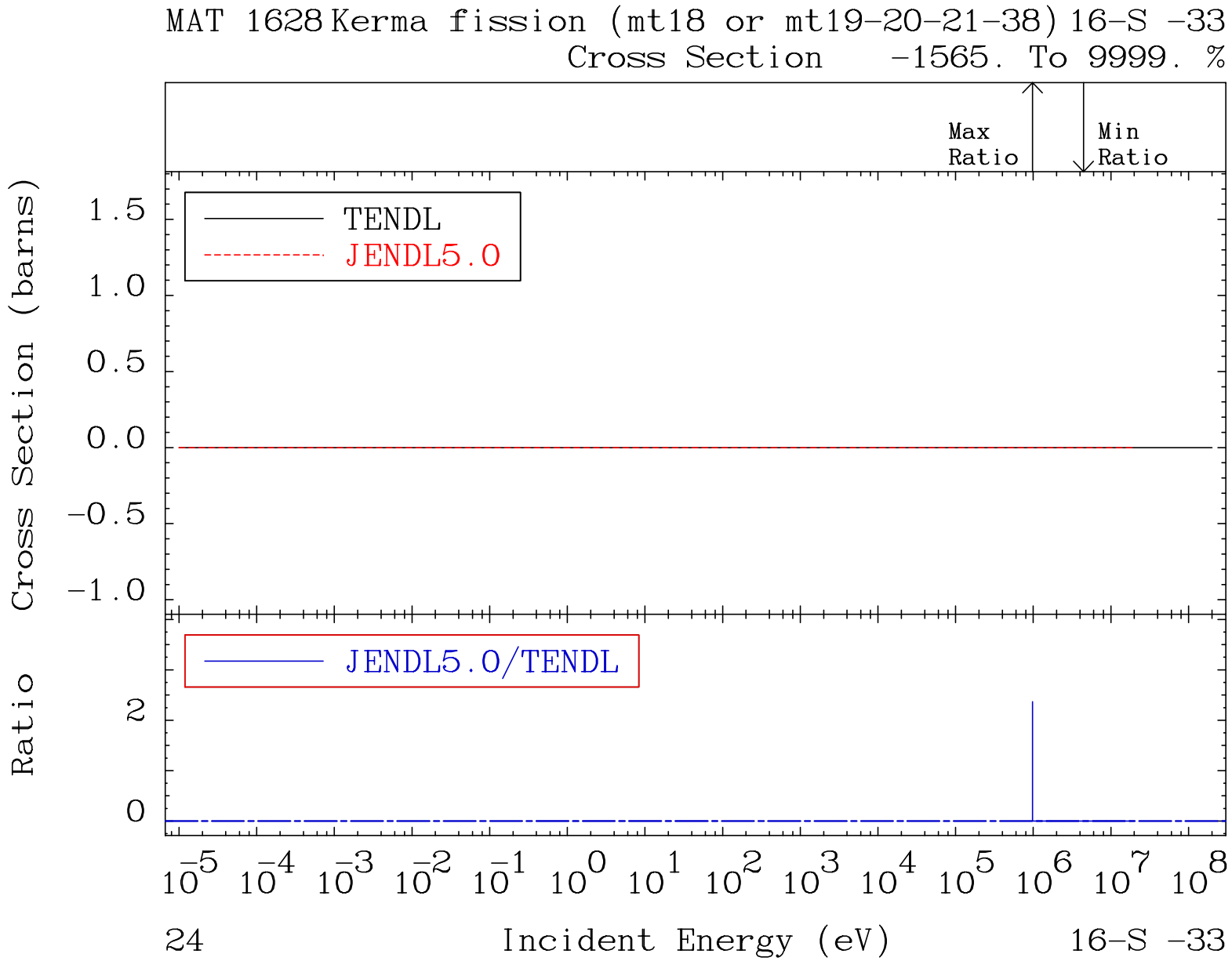

MAT 1628
He-4 Production
Cross Section
16-S -33
-71.05 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
19
16-S -33

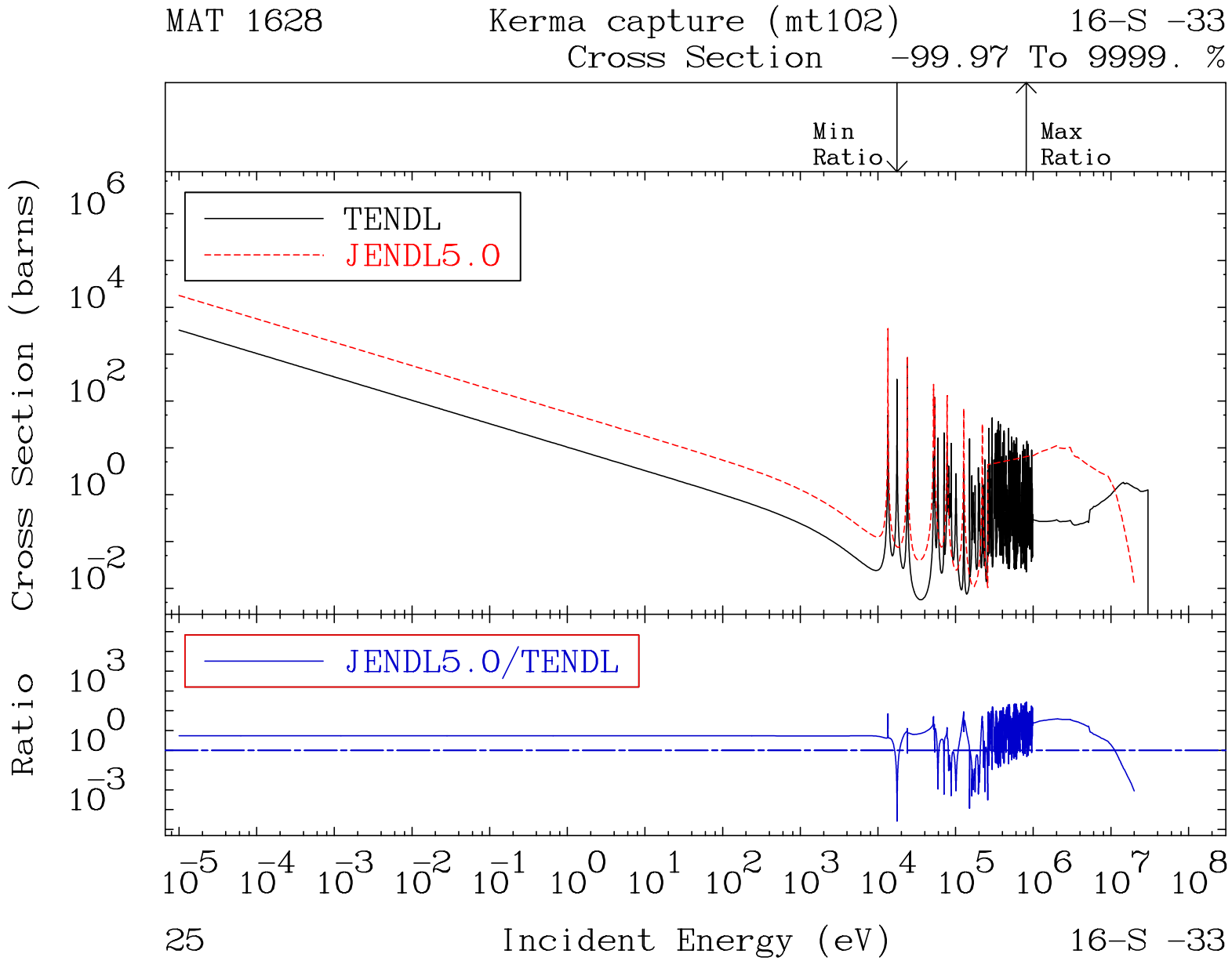

MAT 1628
Kerma total (eV-barns)
16-S -33
Cross Section -126.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
20
16-S -33

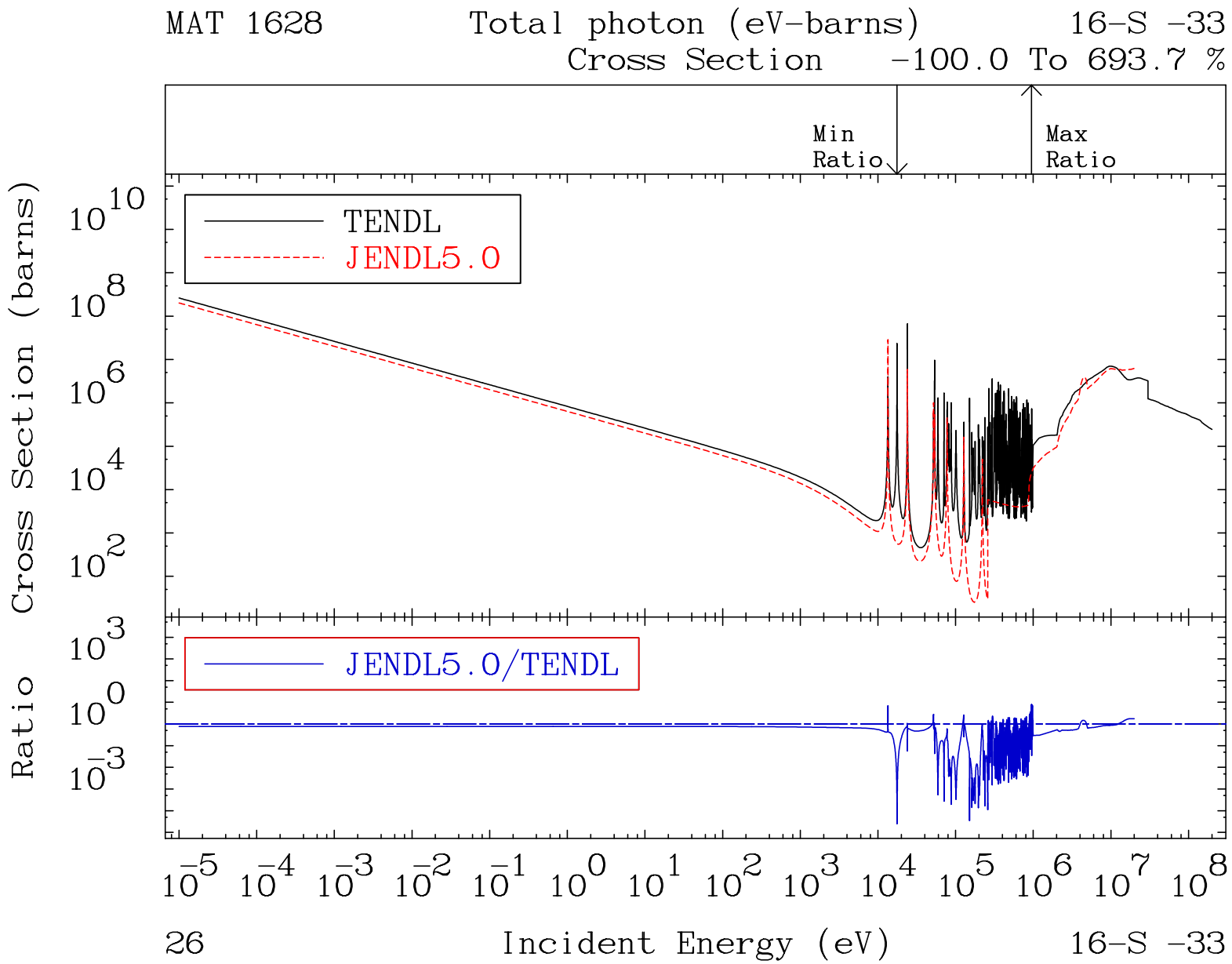

MAT 1628
Kerma elastic
Cross Section
16-S -33
-97.84 To 353.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
21
16-S -33

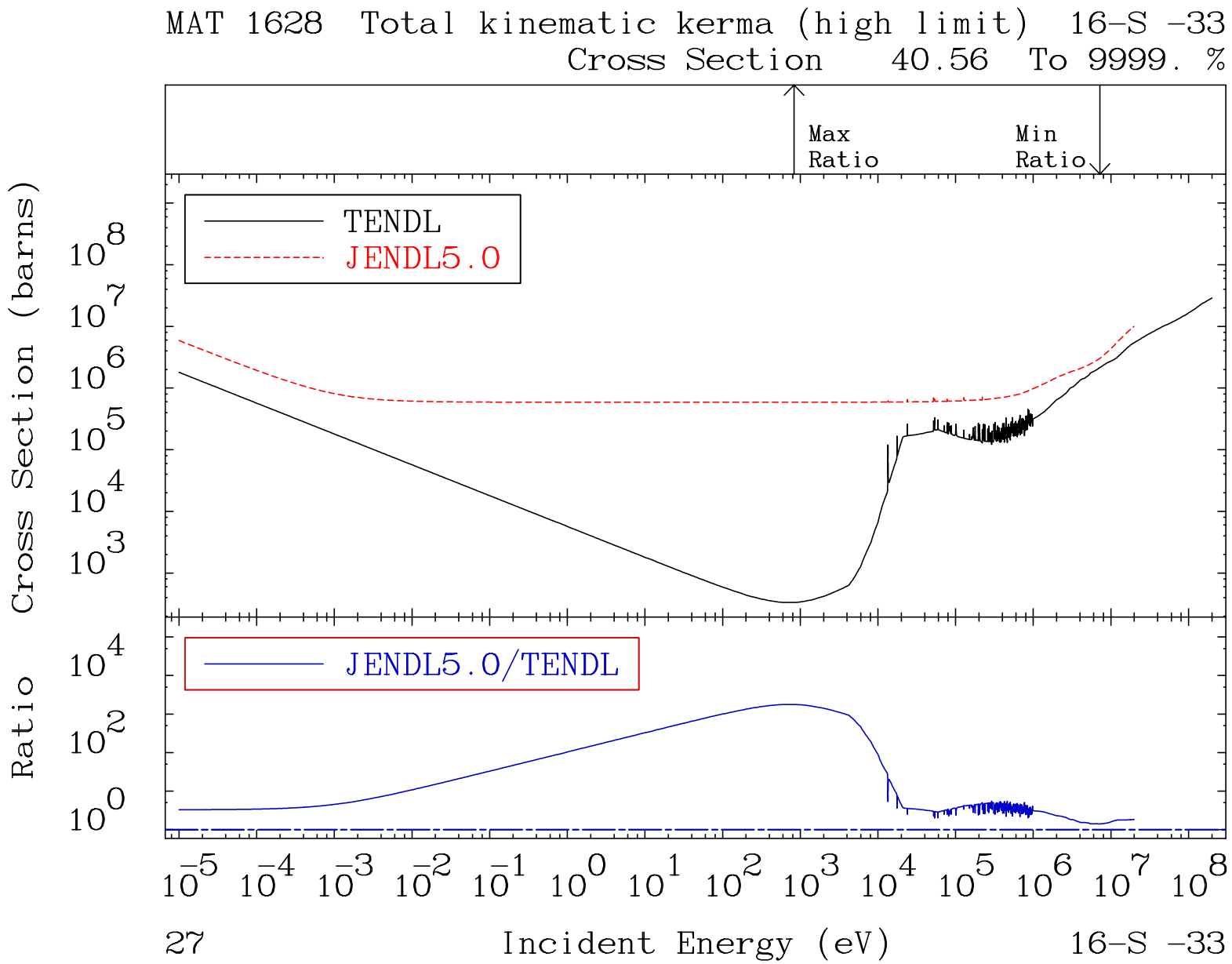

MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
Cross Section -143.6 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
22
16-S -33

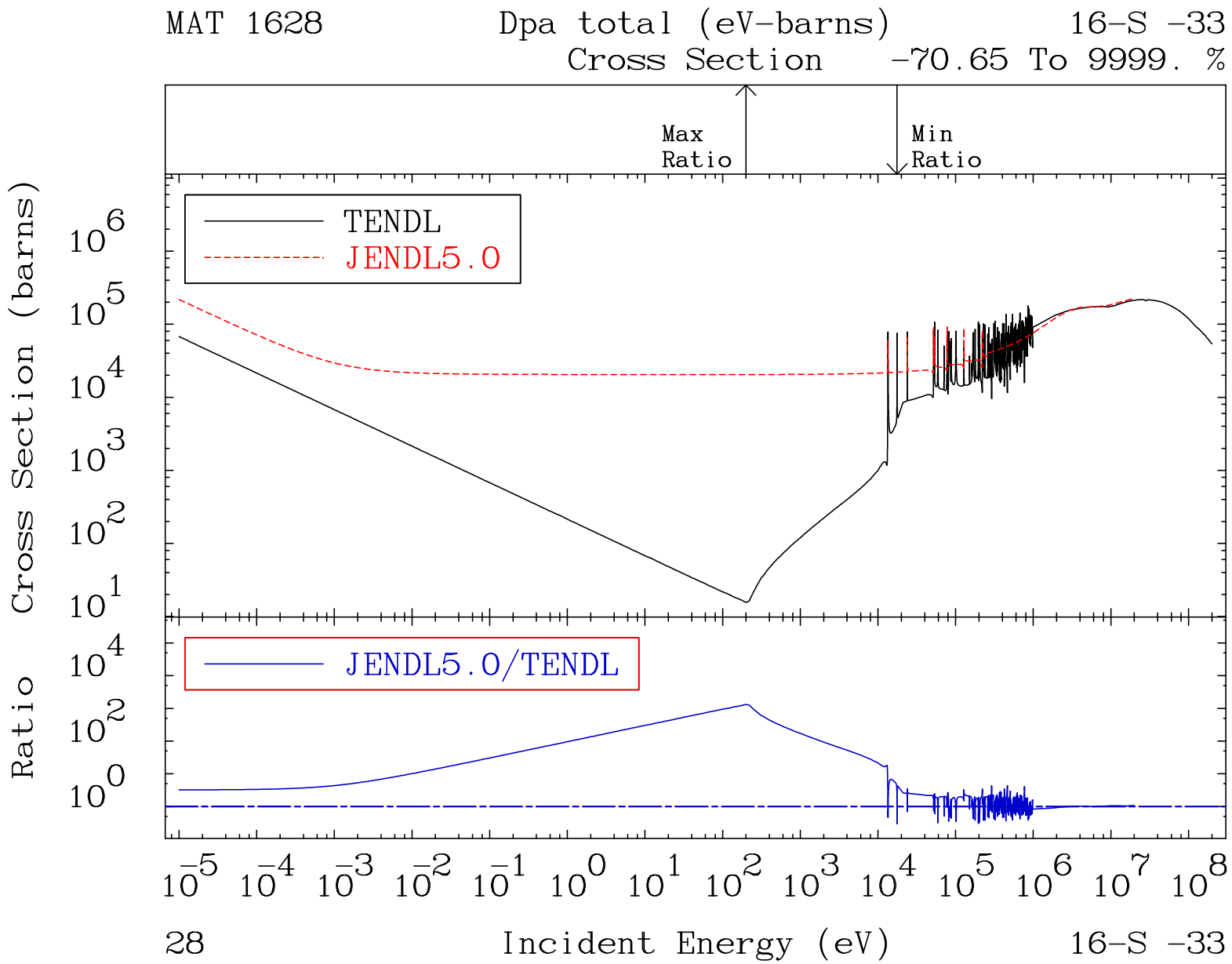

MAT 1628
Kerma inelastic (mt51-91)
16-S -33
Cross Section -1565. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 980.49 keV
JENDL5.0 Threshold 865.70 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
16-S -33

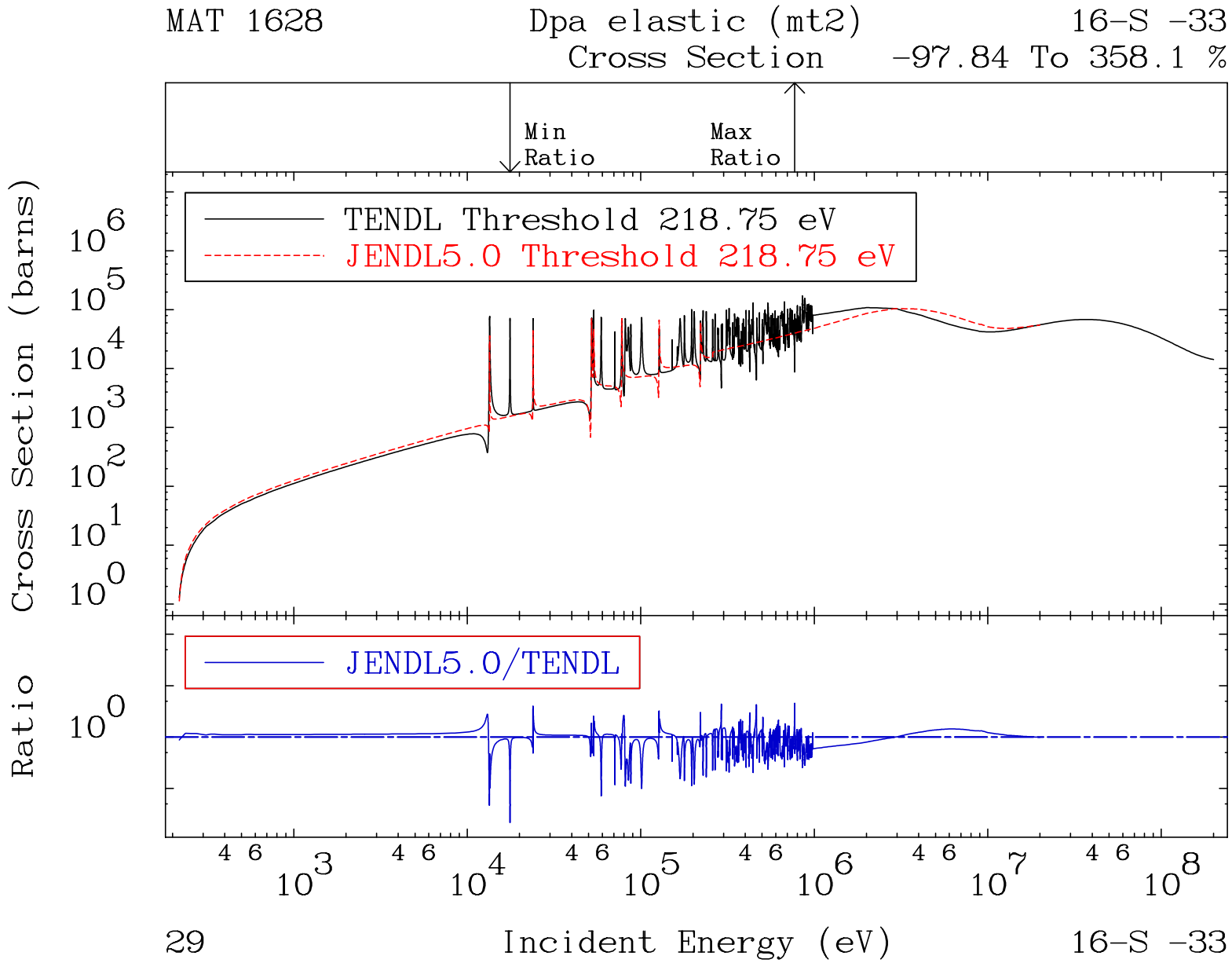

MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
Cross Section -1565. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
24
Incident Energy (eV)
16-S -33

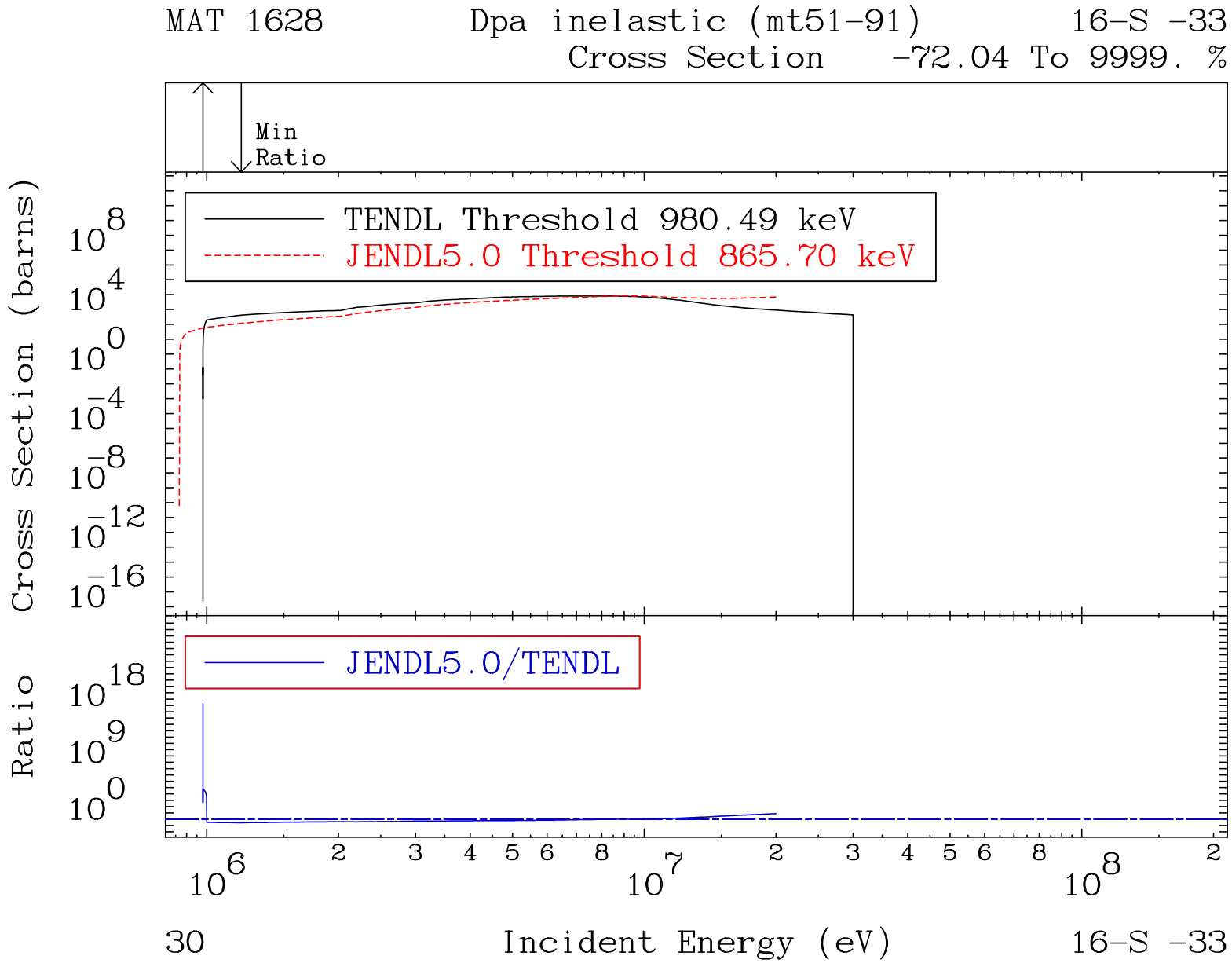

MAT 1628
Kerma capture (mt102)
16-S -33
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
16-S -33

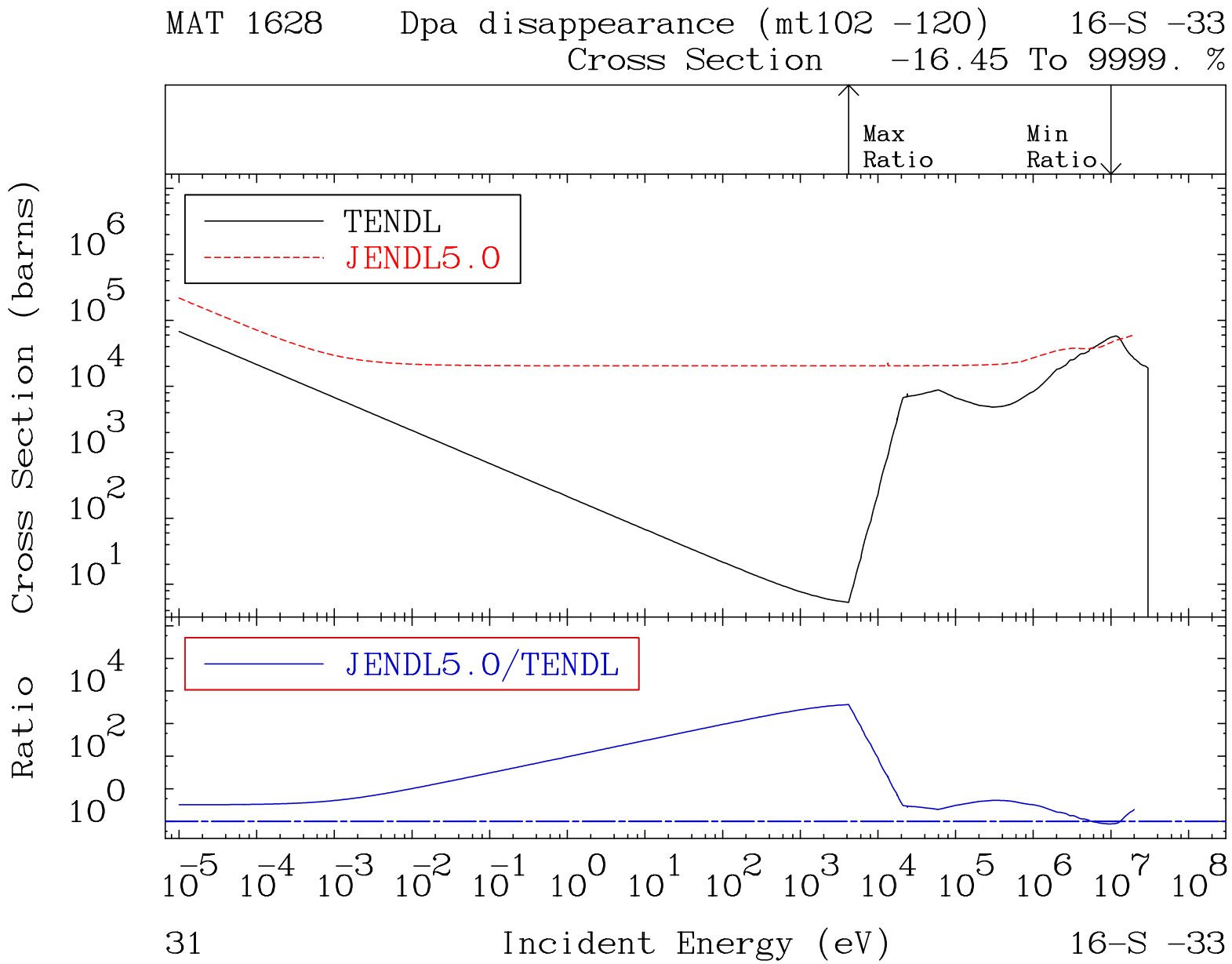

MAT 1628
Total photon (eV-barns)
16-S -33
Cross Section -100.0 To 693.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
16-S -33


MAT 1628 Total kinematic kerma (high limit) 16-S -33
Cross Section 40.56 To 9999. %
Max Ratio
Min 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 -70.65 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
16-S -33


MAT 1628
Dpa elastic (mt2)
Cross Section
16-S -33
-97.84 To 358.1 %
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 -72.04 To 9999. %
Min
Ratio
TENDL Threshold 980.49 keV
JENDL5.0 Threshold 865.70 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
16-S -33


MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
Cross Section -16.45 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
31
16-S -33