

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

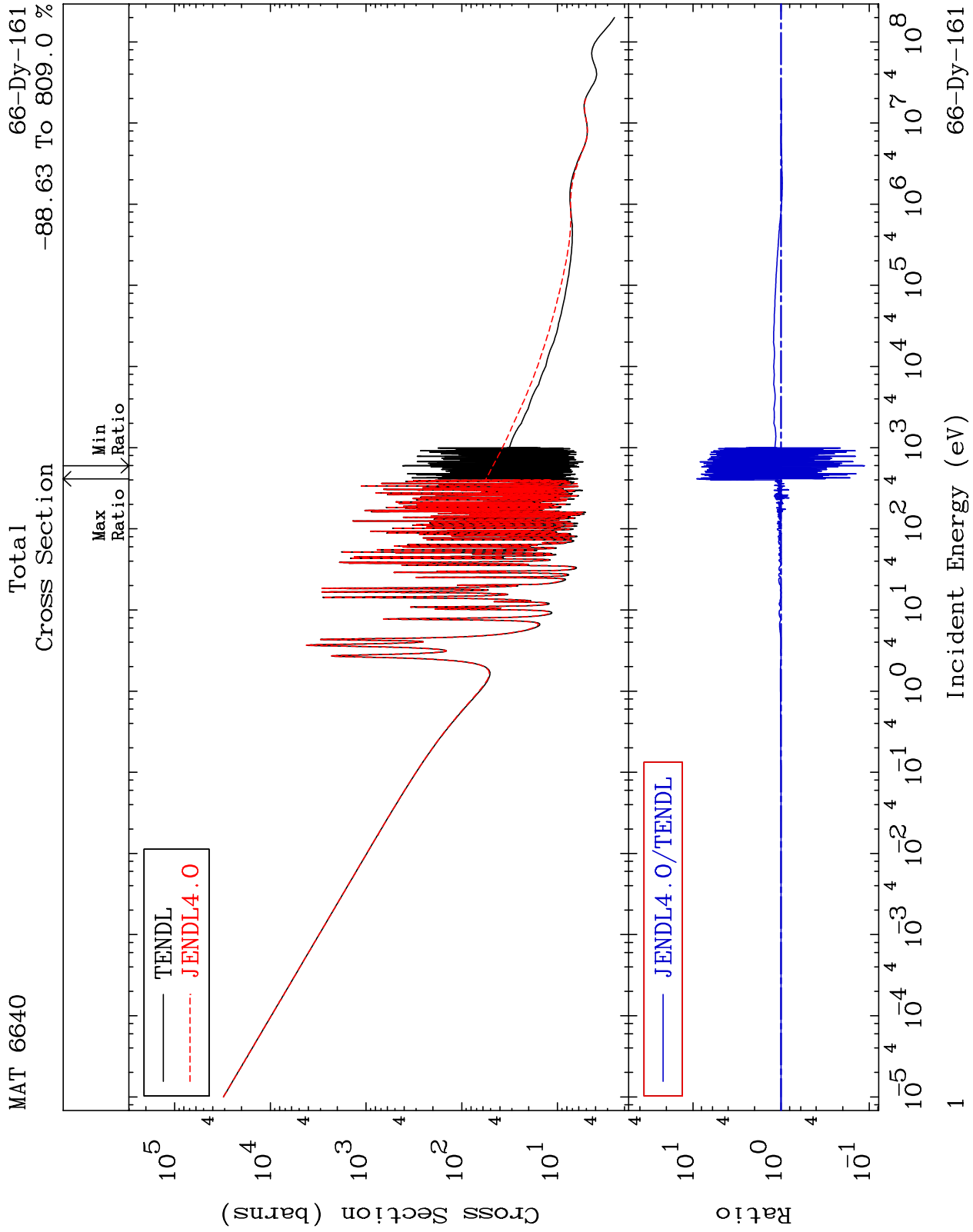
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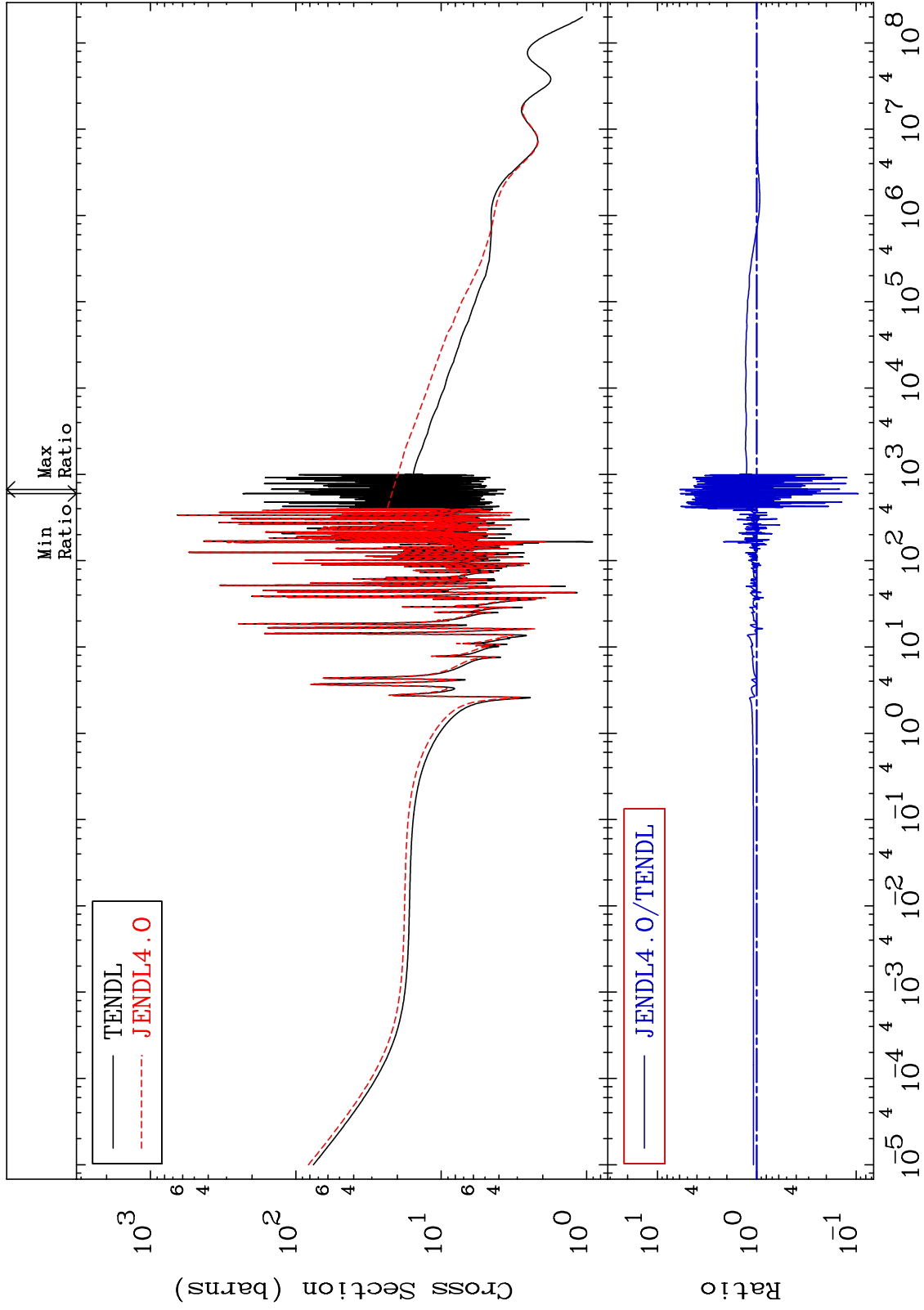
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start



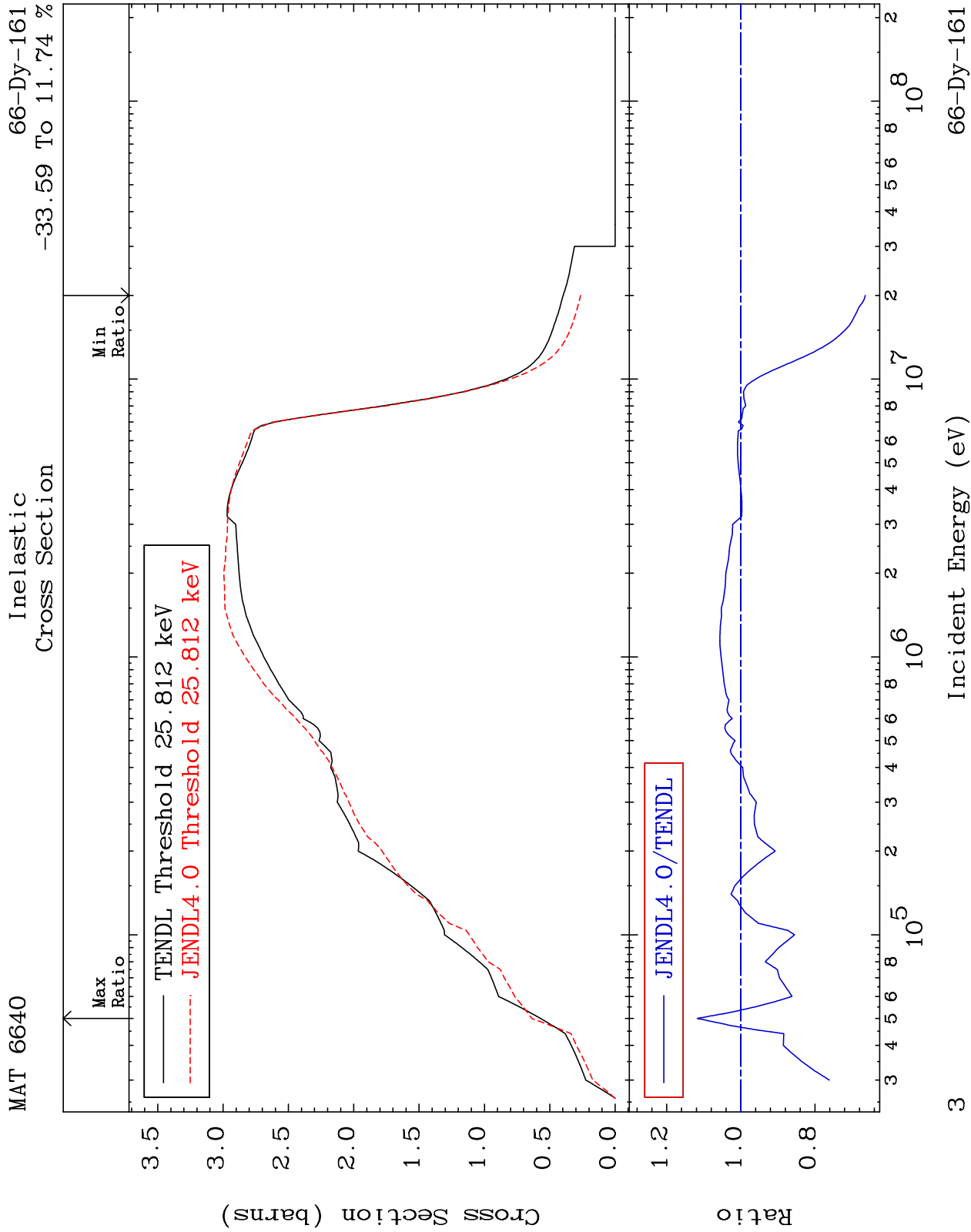
MAT 6640

Elastic Cross Section  
66-Dy-161  
-90.52 To 493.2 %

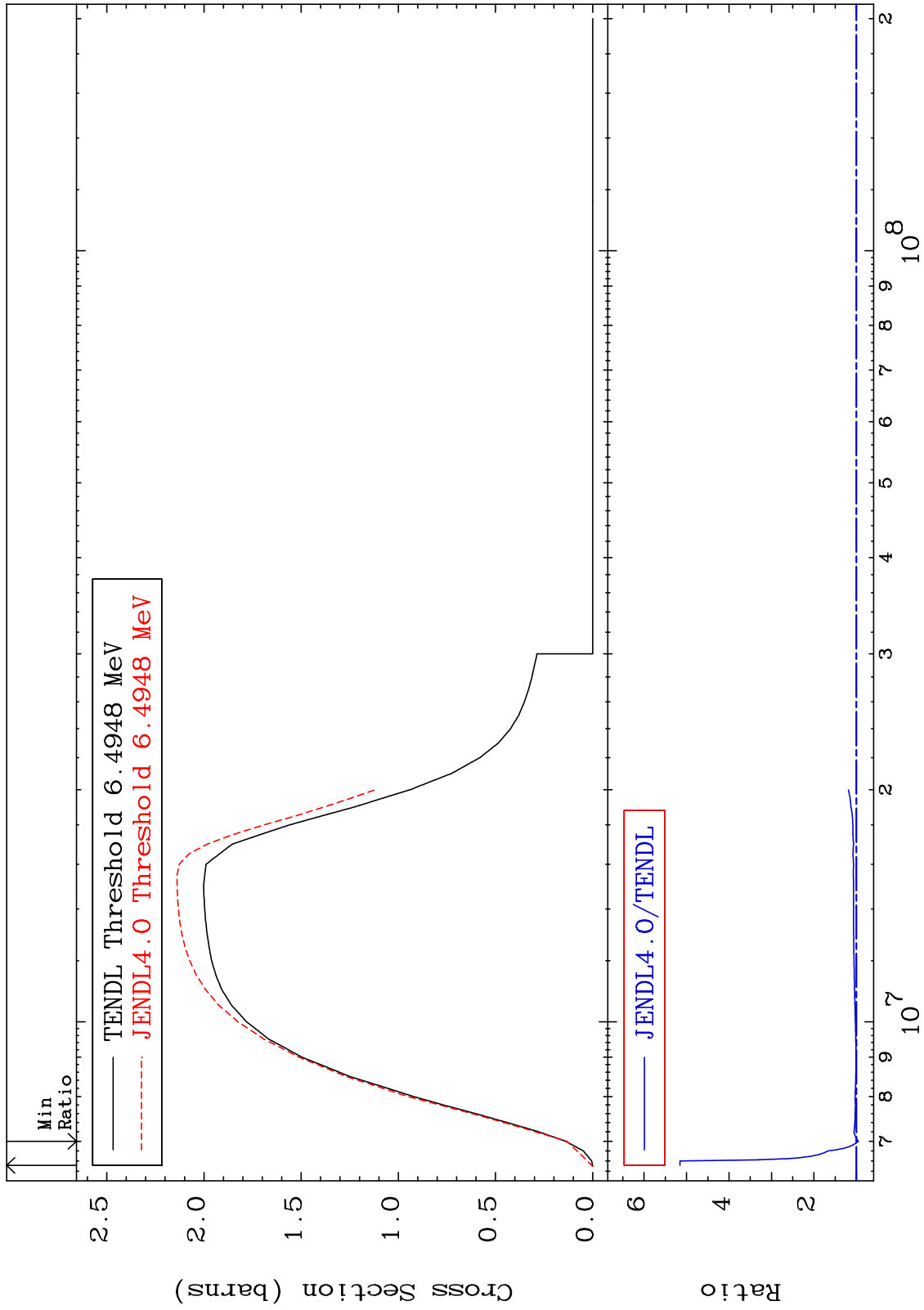


66-Dy-161

Incident Energy (eV)



MAT 6640 (n,2n) Cross Section 66-Dy-161 -4.650 To 415.3 %



4 Incident Energy (eV) 66-Dy-161

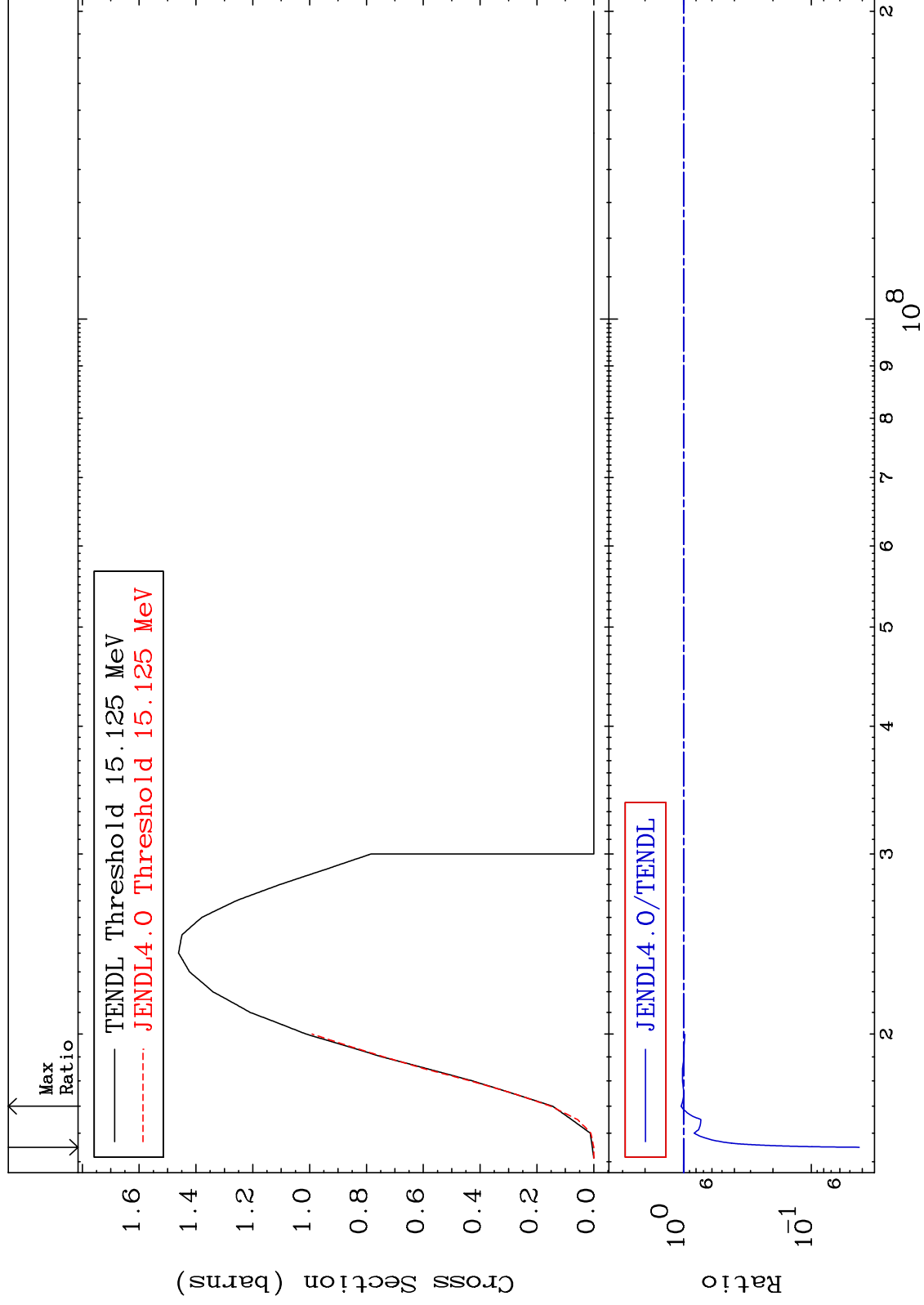
MAT 6640

(n, 3n)

66-Dy-161

Cross Section

-95.78 To 4.624 %



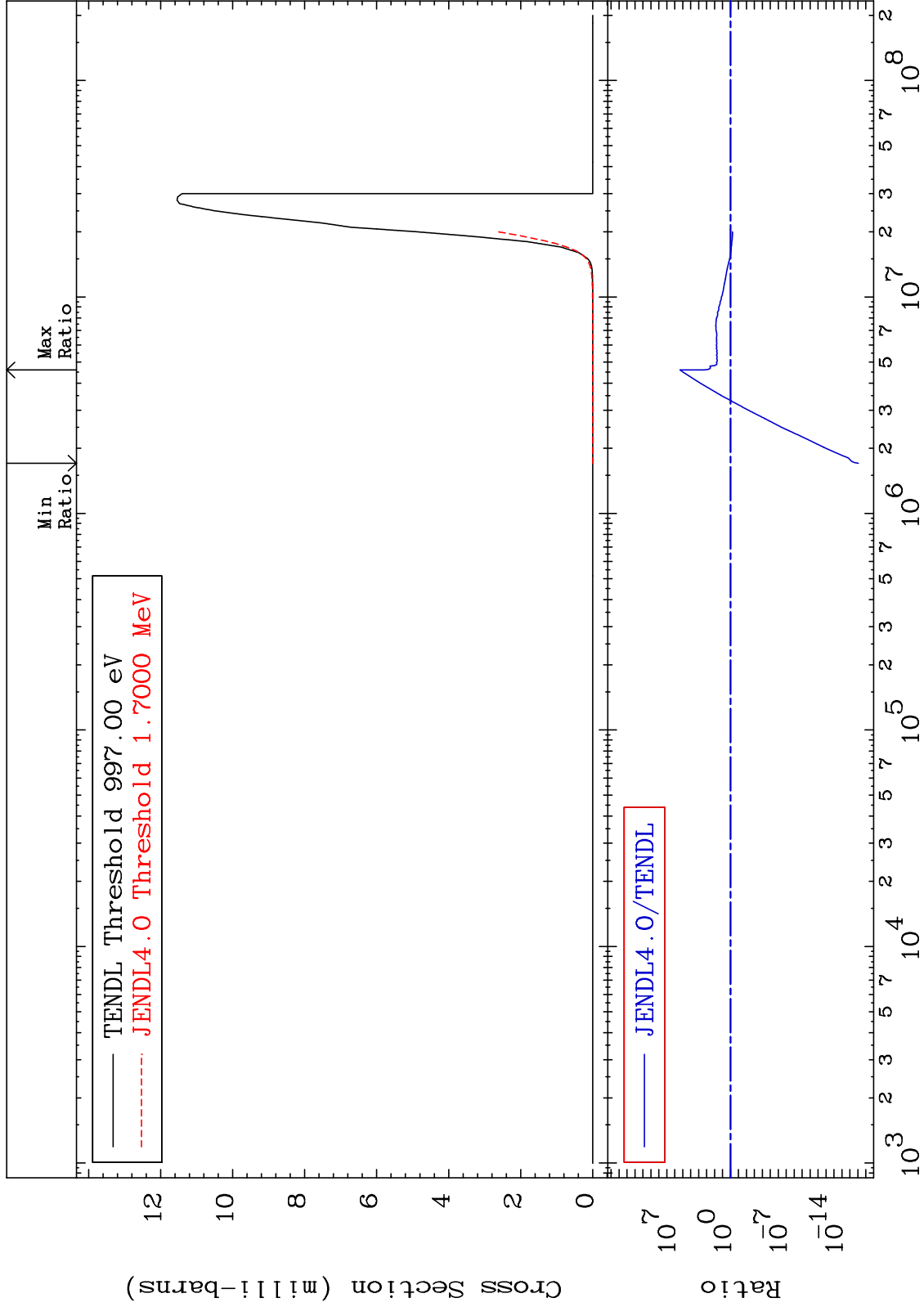
MAT 6640

(n,n')  $\alpha$

66-Dy-161

Cross Section

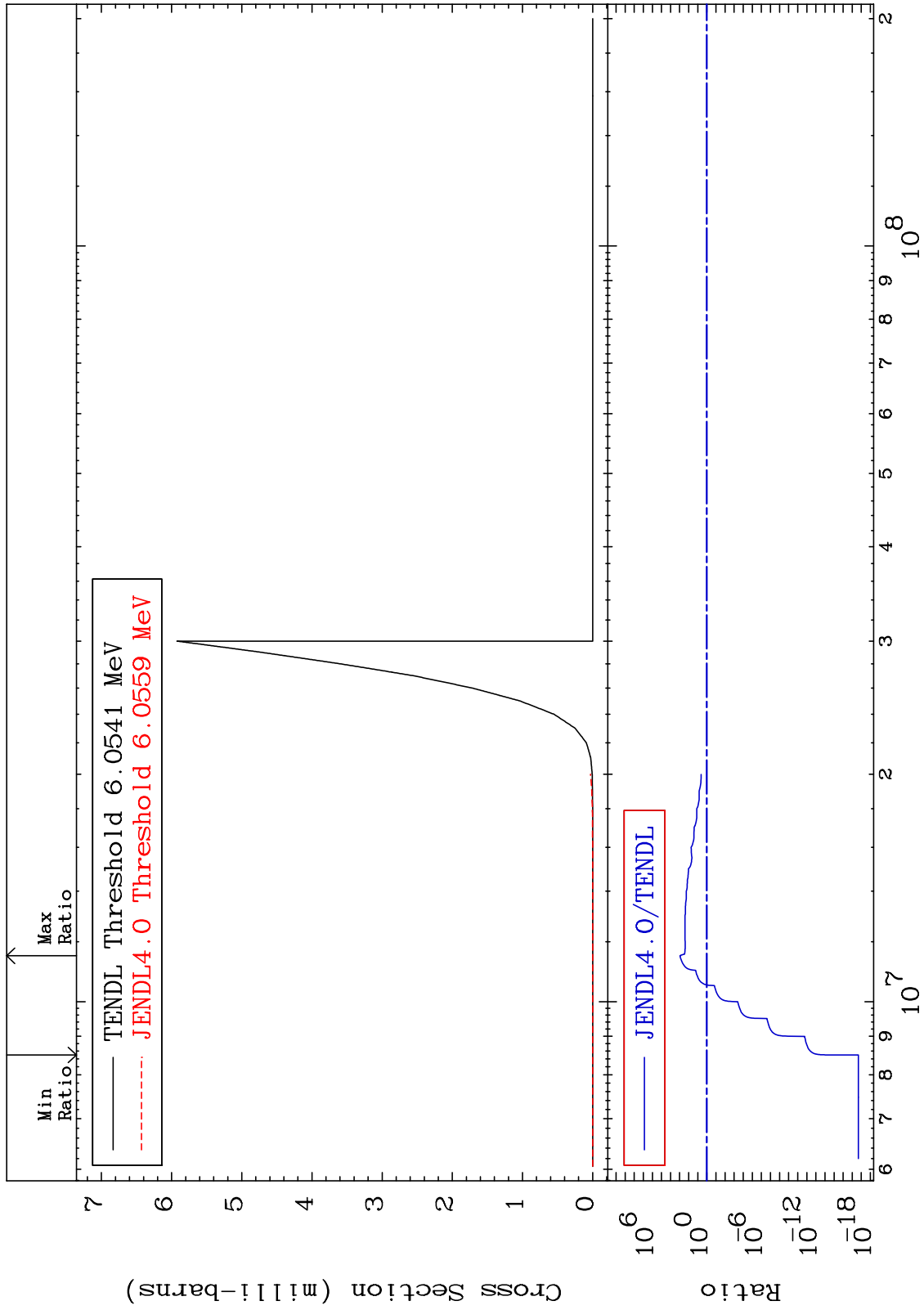
-100.0 To 9999. %



Incident Energy (eV)

66-Dy-161

MAT 6640 (n,2n)  $\alpha$  66-Dy-161  
Cross Section -100.0 To 9999. %



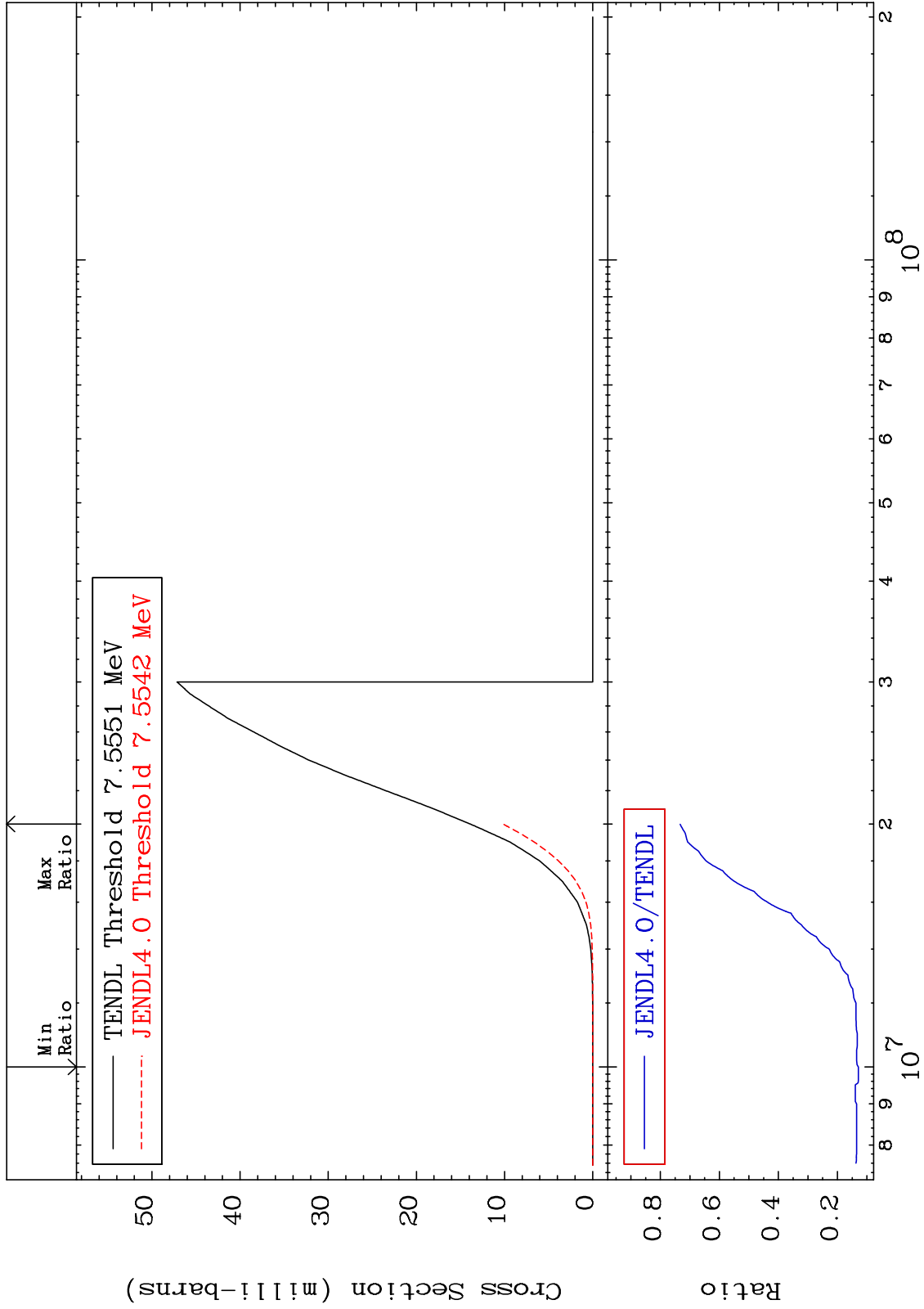
Incident Energy (eV) 66-Dy-161



MAT 6640

(n,n') p  
Cross Section

66-Dy-161  
-87.12 To -26.66%



8

Incident Energy (eV)

66-Dy-161

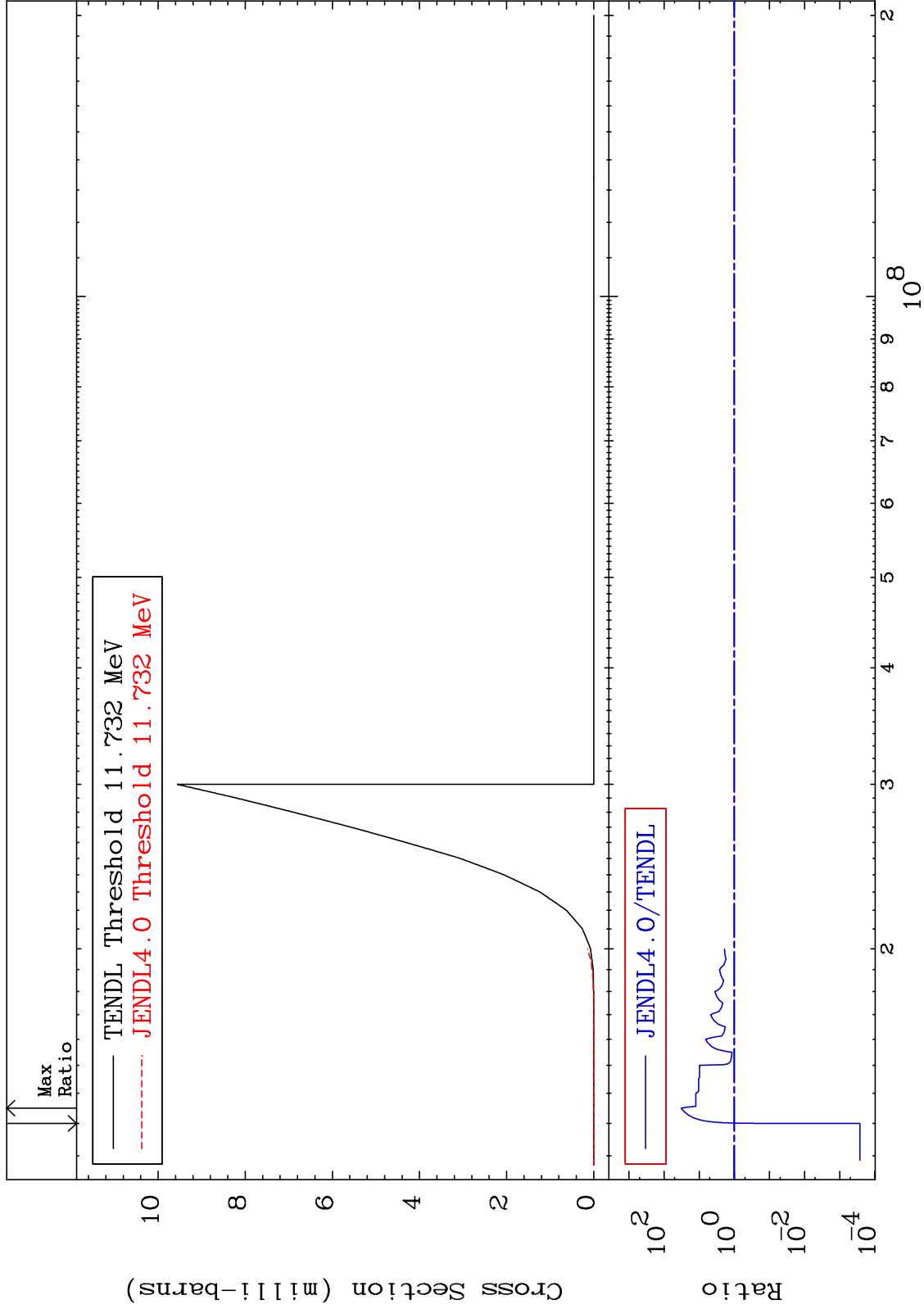
MAT 6640

(n,n') d

66-Dy-161

Cross Section

-99.97 To 3158. %



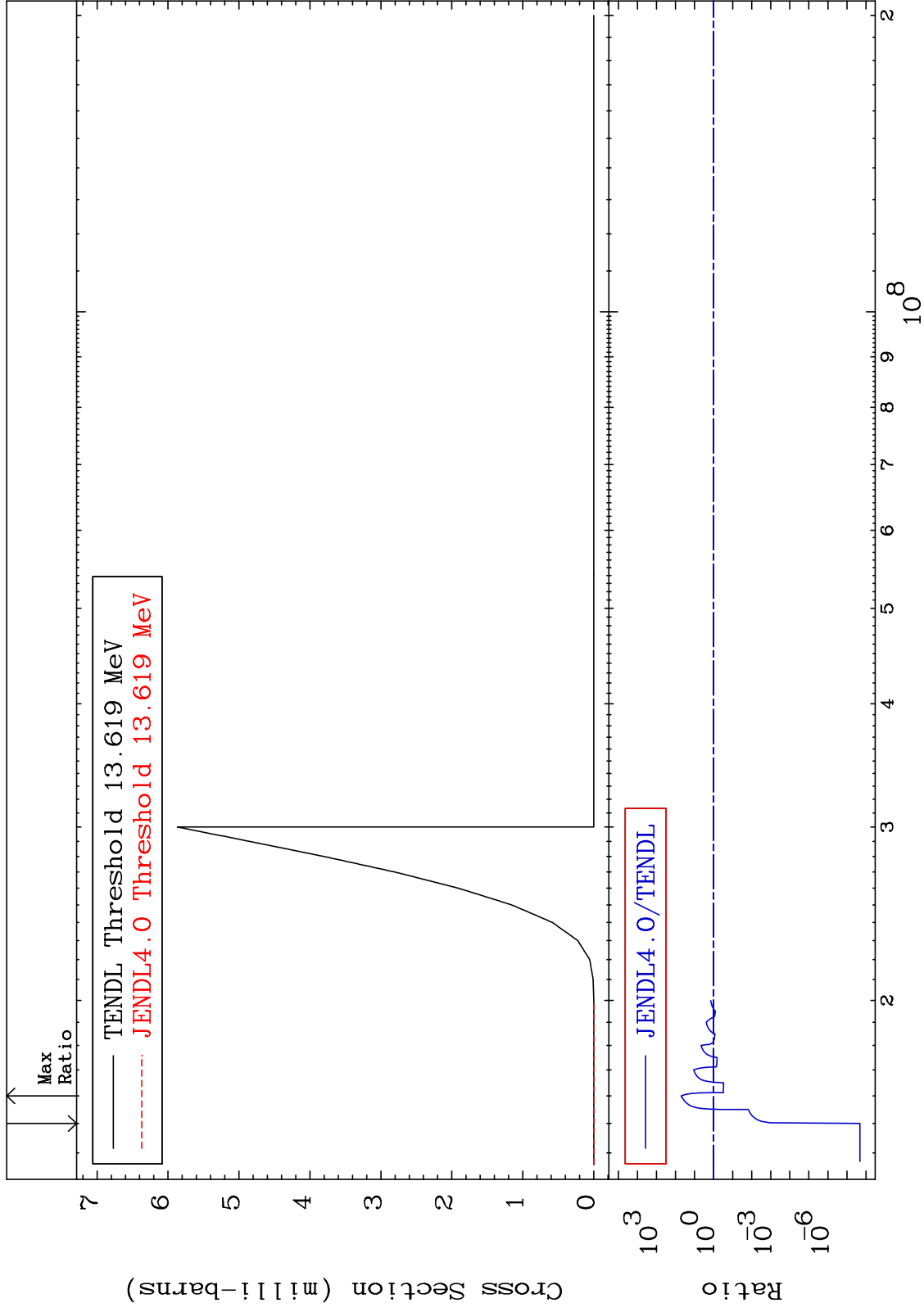
MAT 6640

(n,n') t

66-Dy-161

Cross Section

-100.0 To 4907. %



10

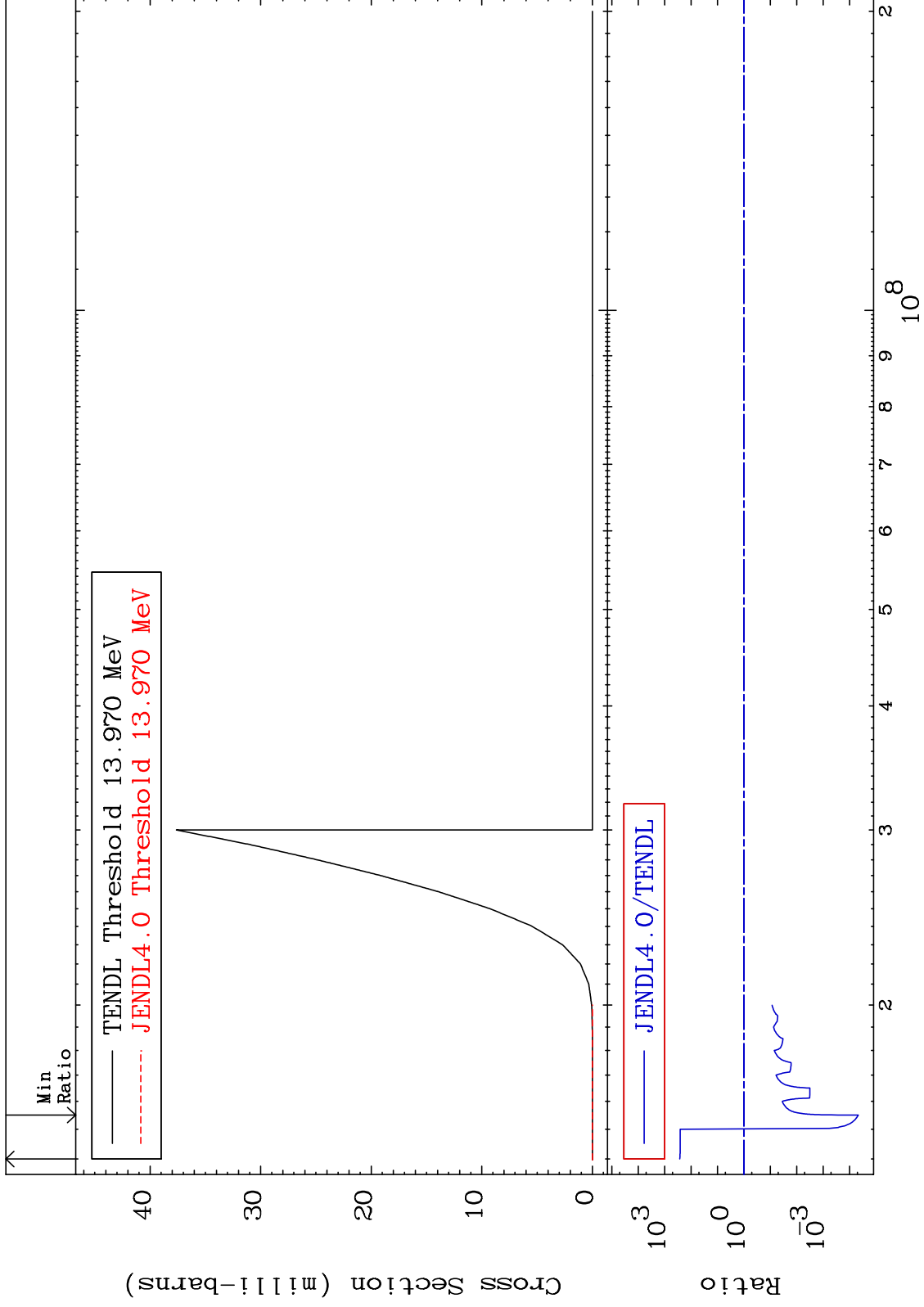
Incident Energy (eV)

66-Dy-161

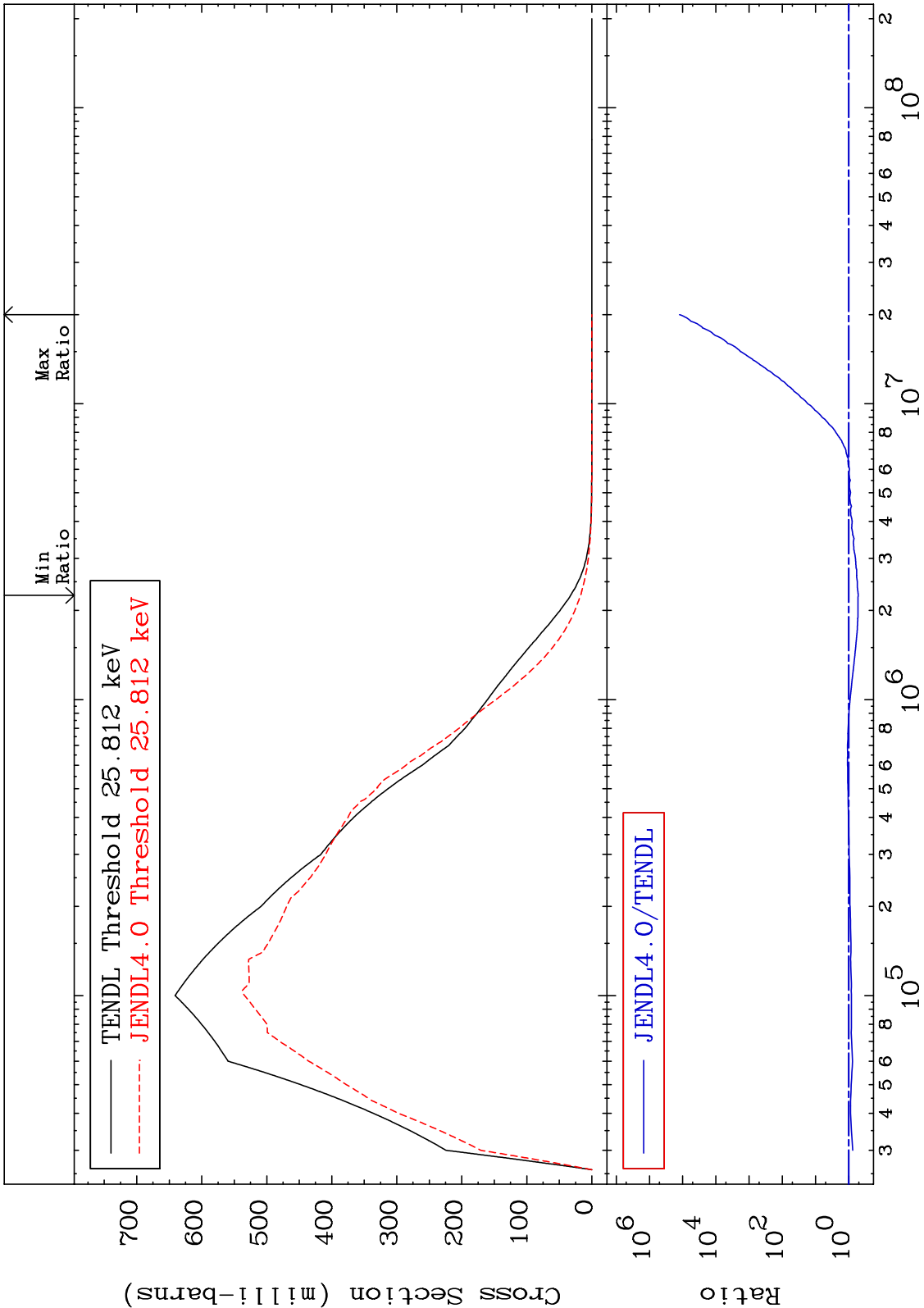
MAT 6640

(n,2n) p  
Cross Section

66-Dy-161  
-100.0 To 9999. %



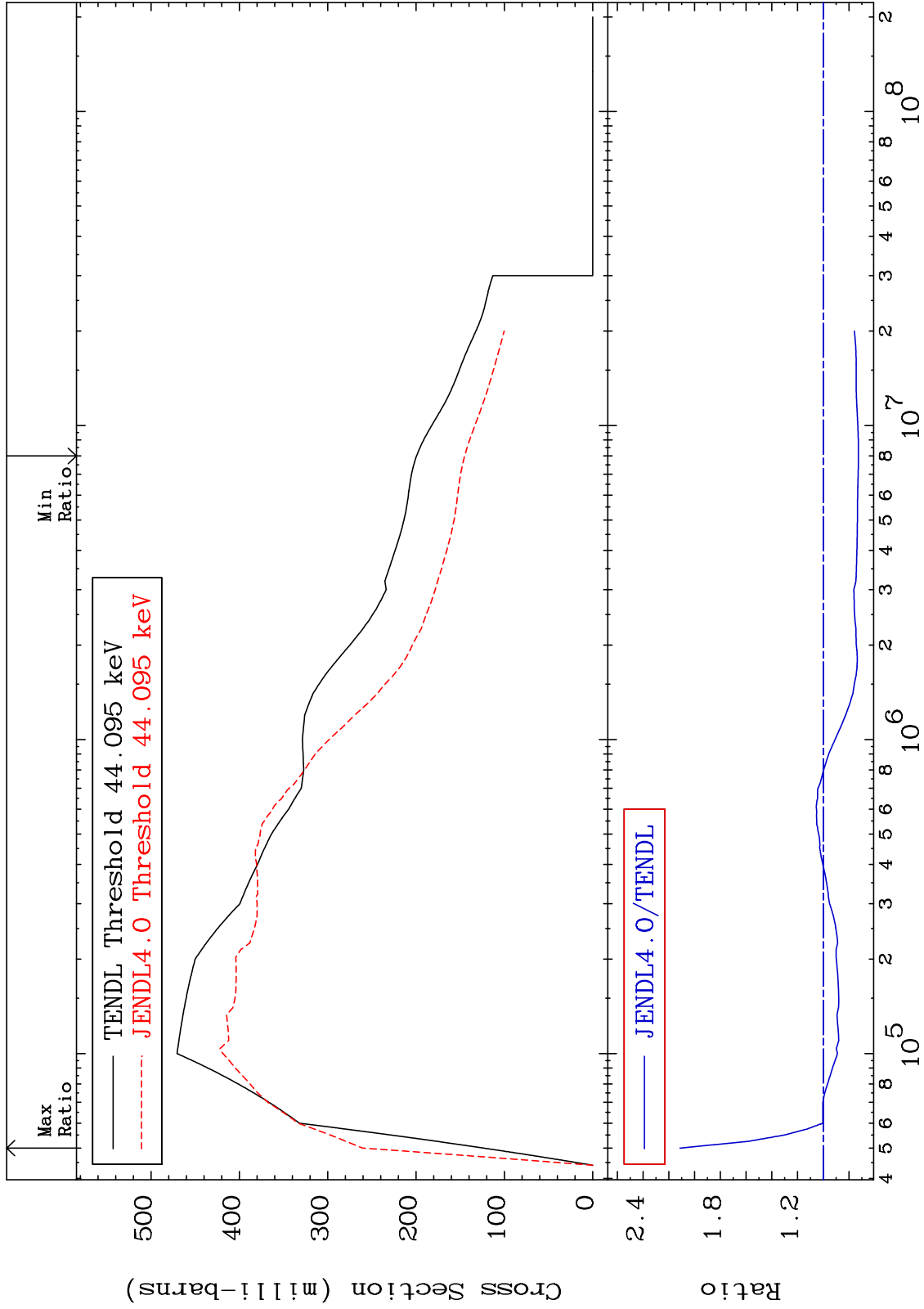
MAT 6640      MT= 51 (n,n') Level      66-Dy-161  
 Cross Section      -47.87 To 9999. %



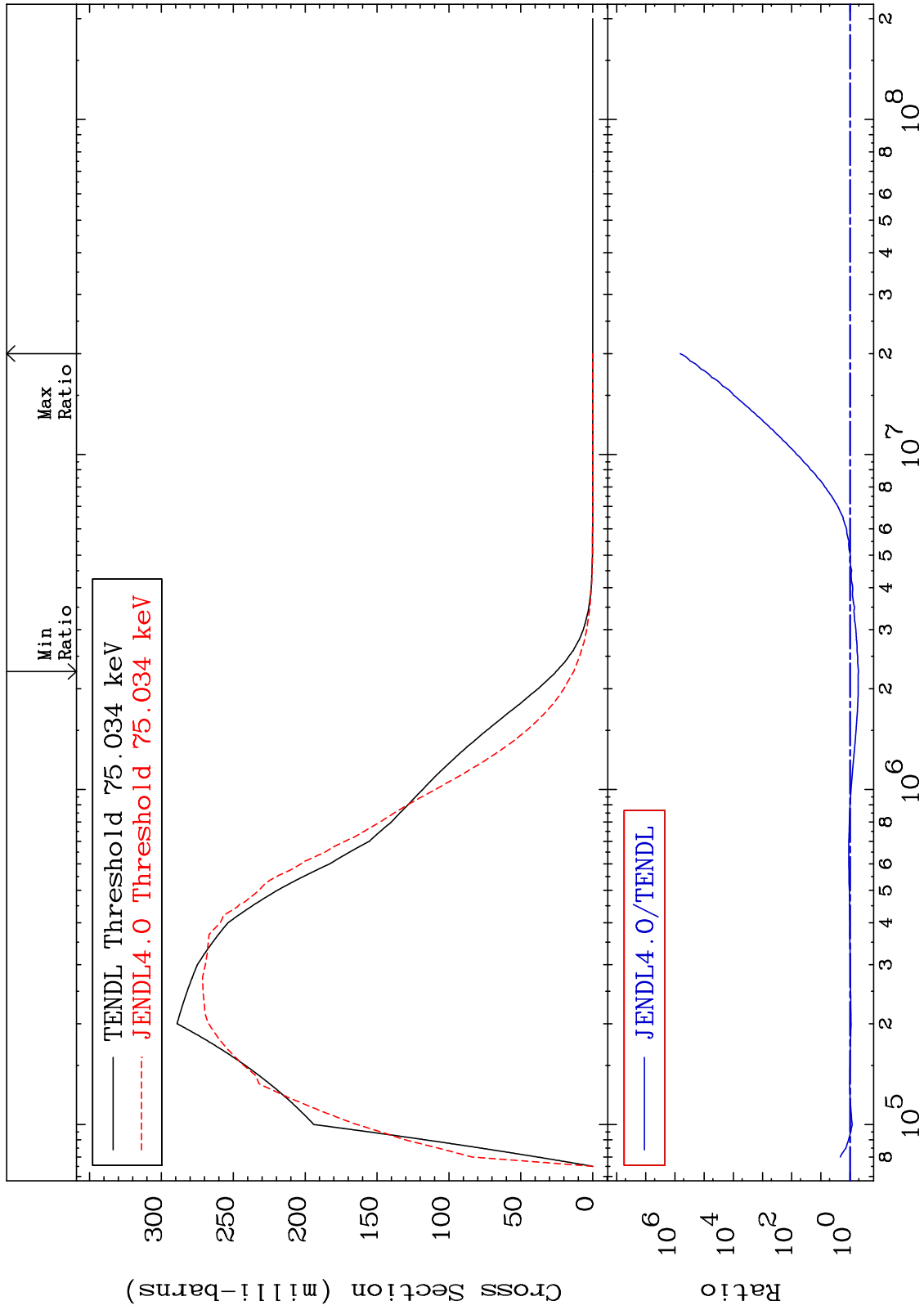
MAT 6640

MT= 52 (n,n') Level  
Cross Section

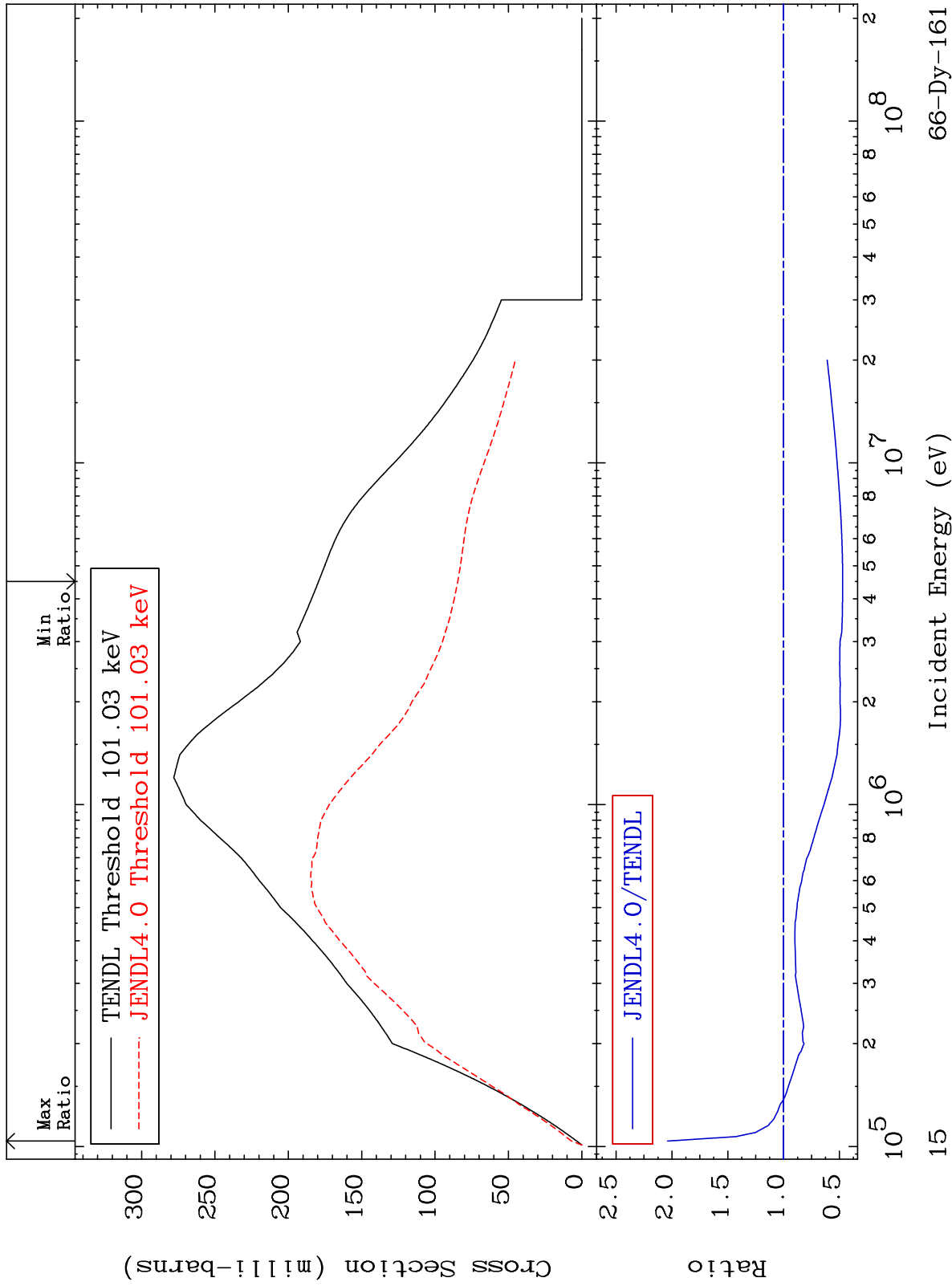
66-Dy-161  
-27.31 To 111.3 %



MAT 6640      MT= 53 (n,n') Level      66-Dy-161  
 Cross Section      -48.27 To 9999. %



MAT 6640      MT= 54 (n,n') Level      66-Dy-161  
 Cross Section      -52.90 To 103.9 %



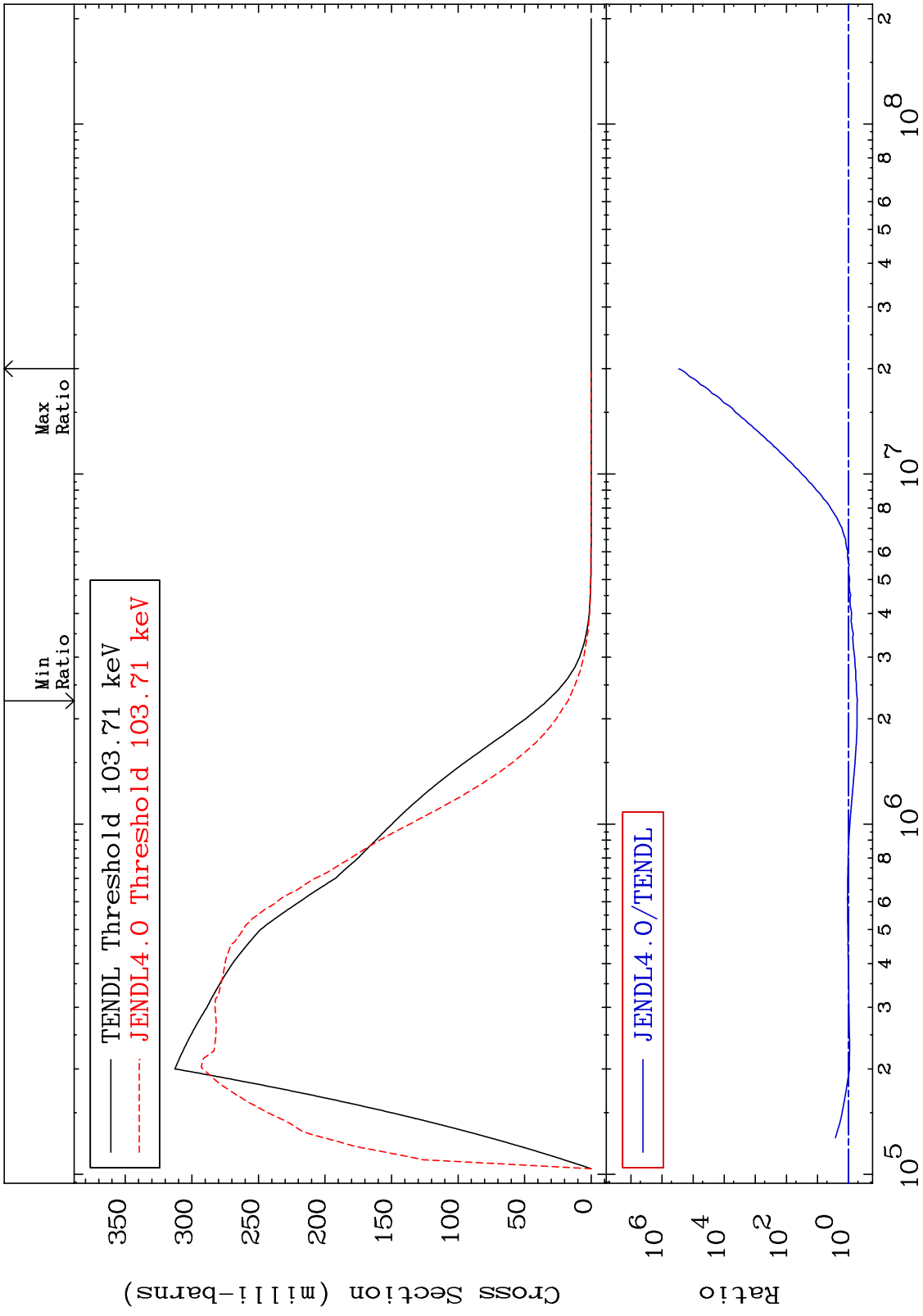
66-Dy-161

Incident Energy (eV)

15

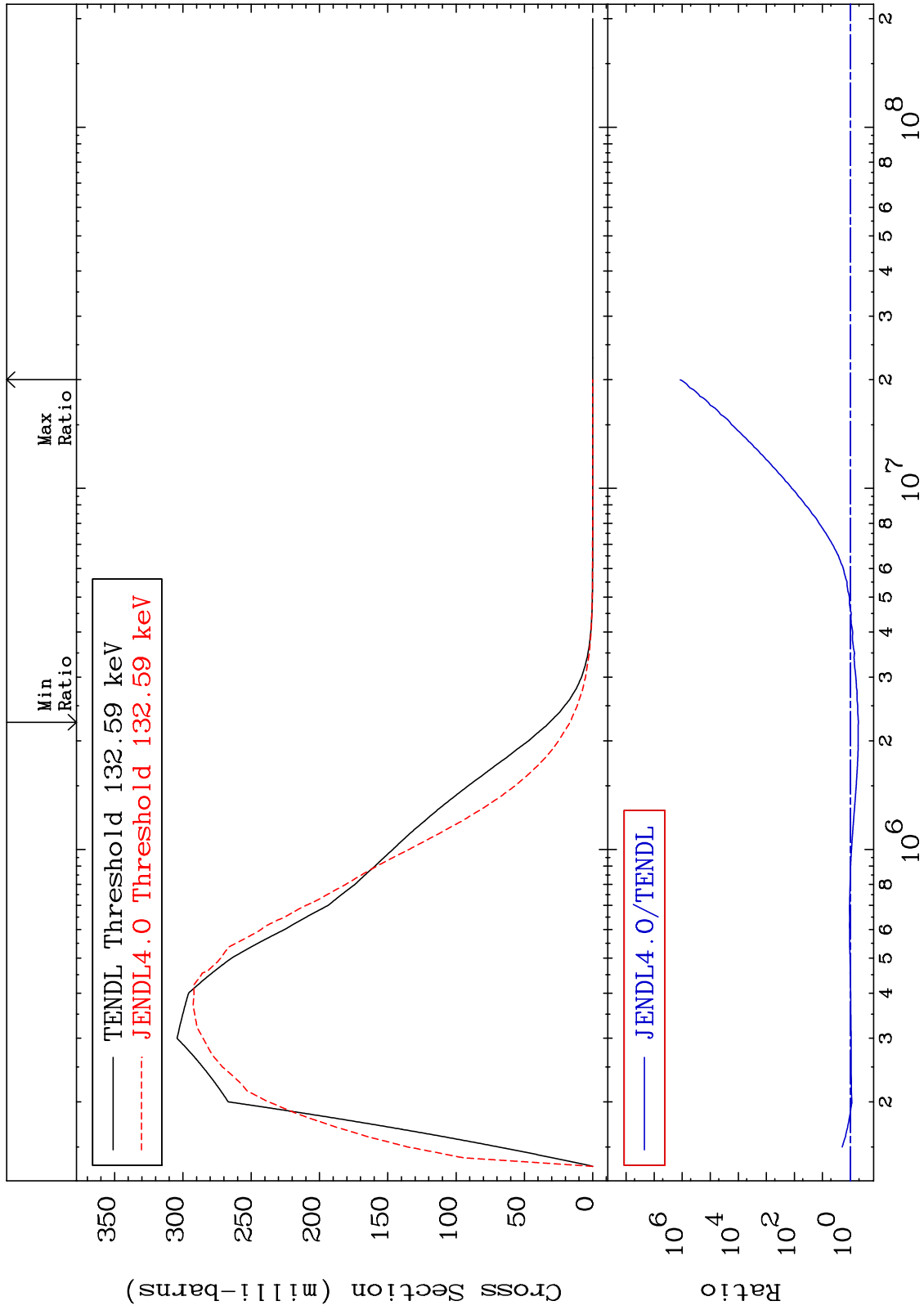


MAT 6640      MT= 55 (n,n') Level      66-Dy-161  
Cross Section      -47.57 To 9999. %



16      66-Dy-161

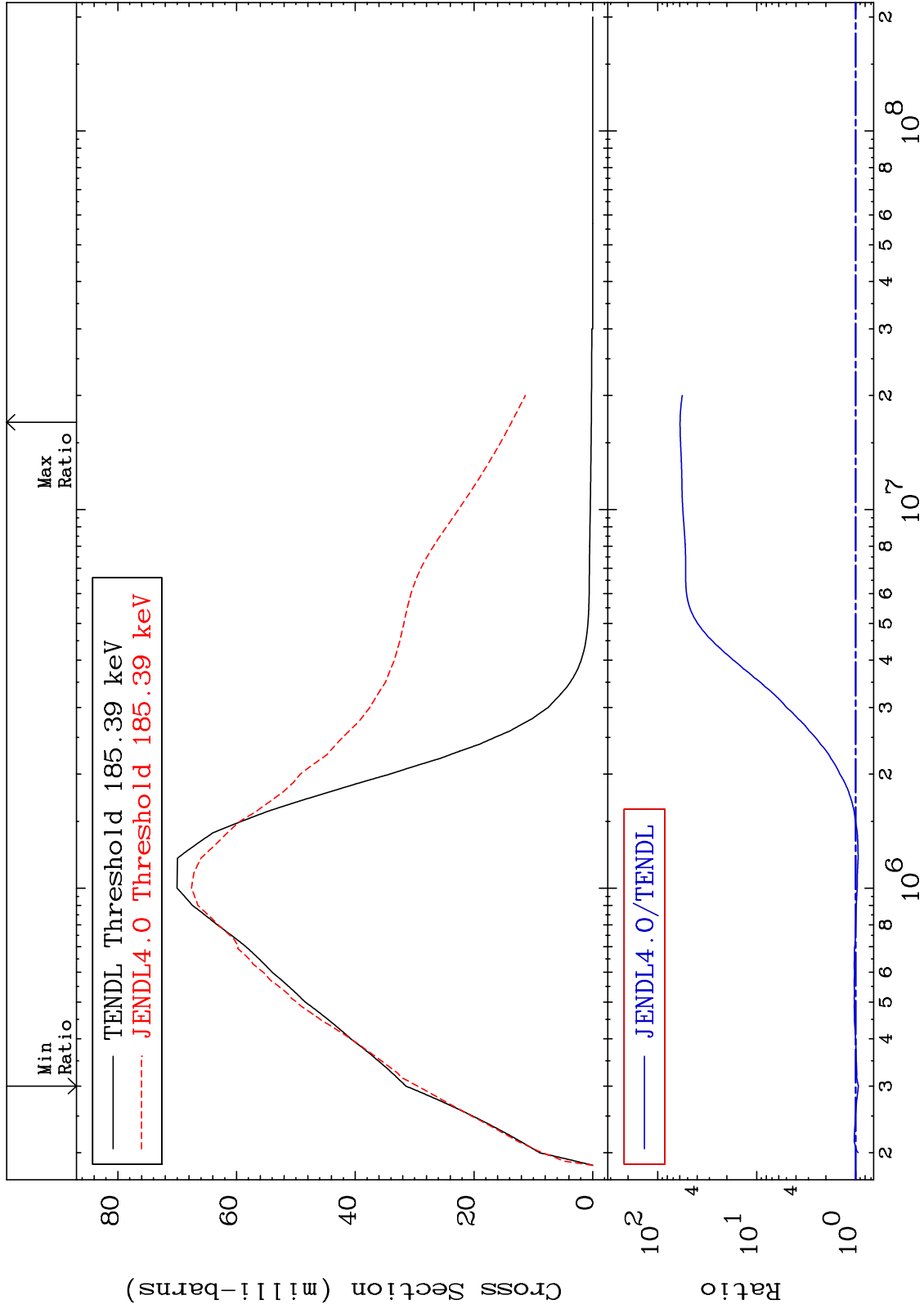
MAT 6640      MT= 56 (n,n') Level      66-Dy-161  
 Cross Section      -47.88 To 9999. %



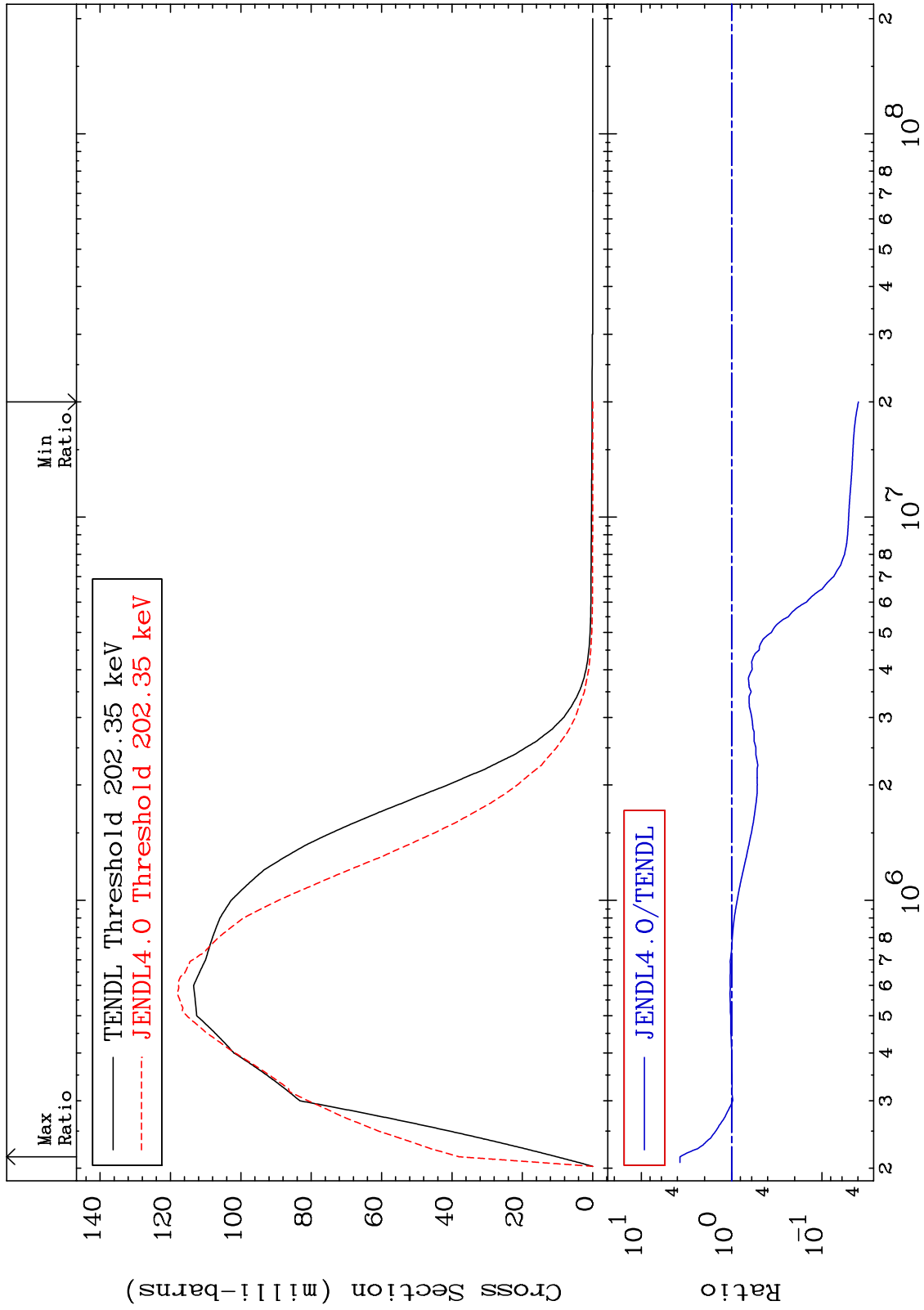
MAT 6640

MT= 57 (n,n') Level  
Cross Section

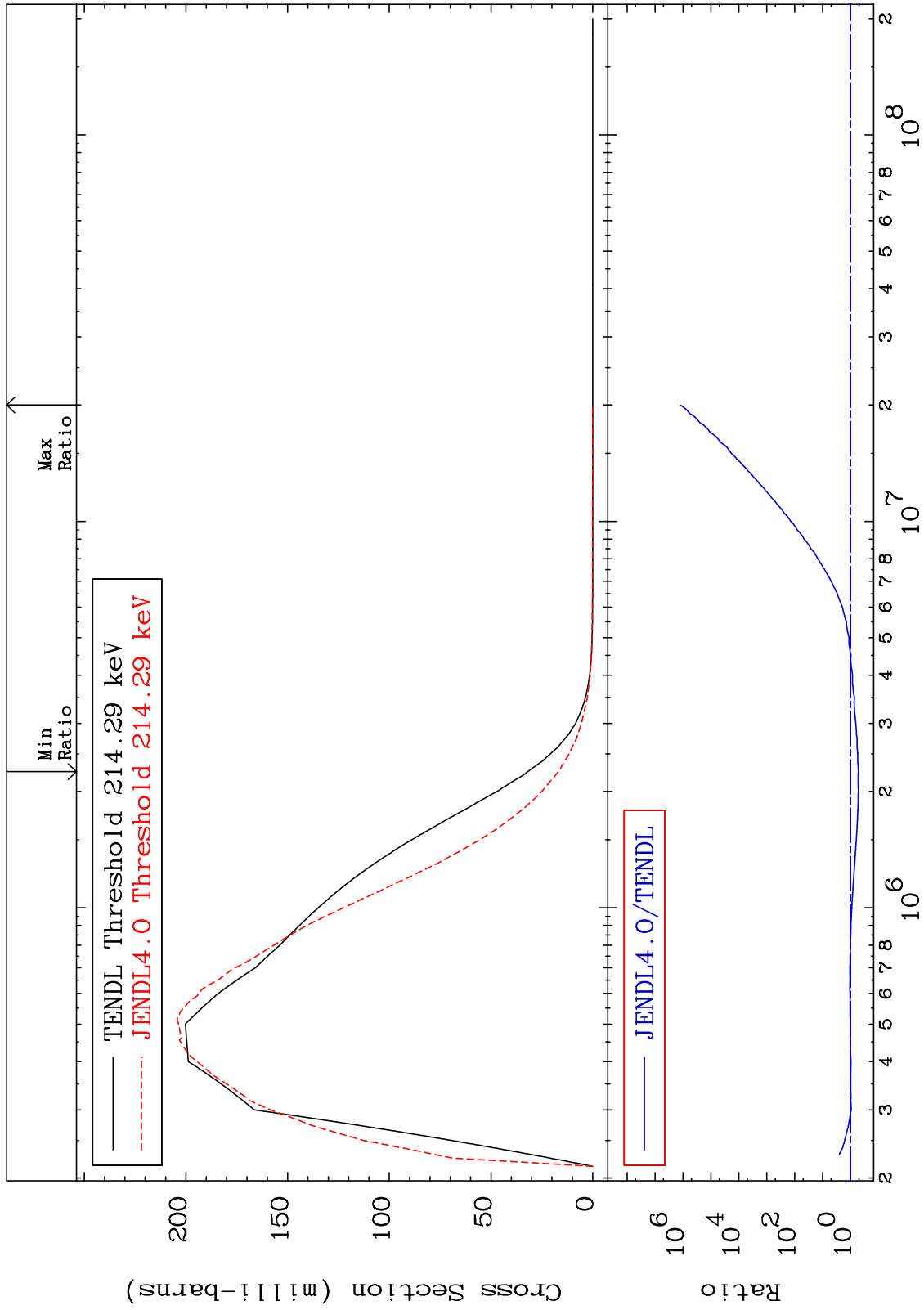
66-Dy-161  
-6.247 To 5857. %



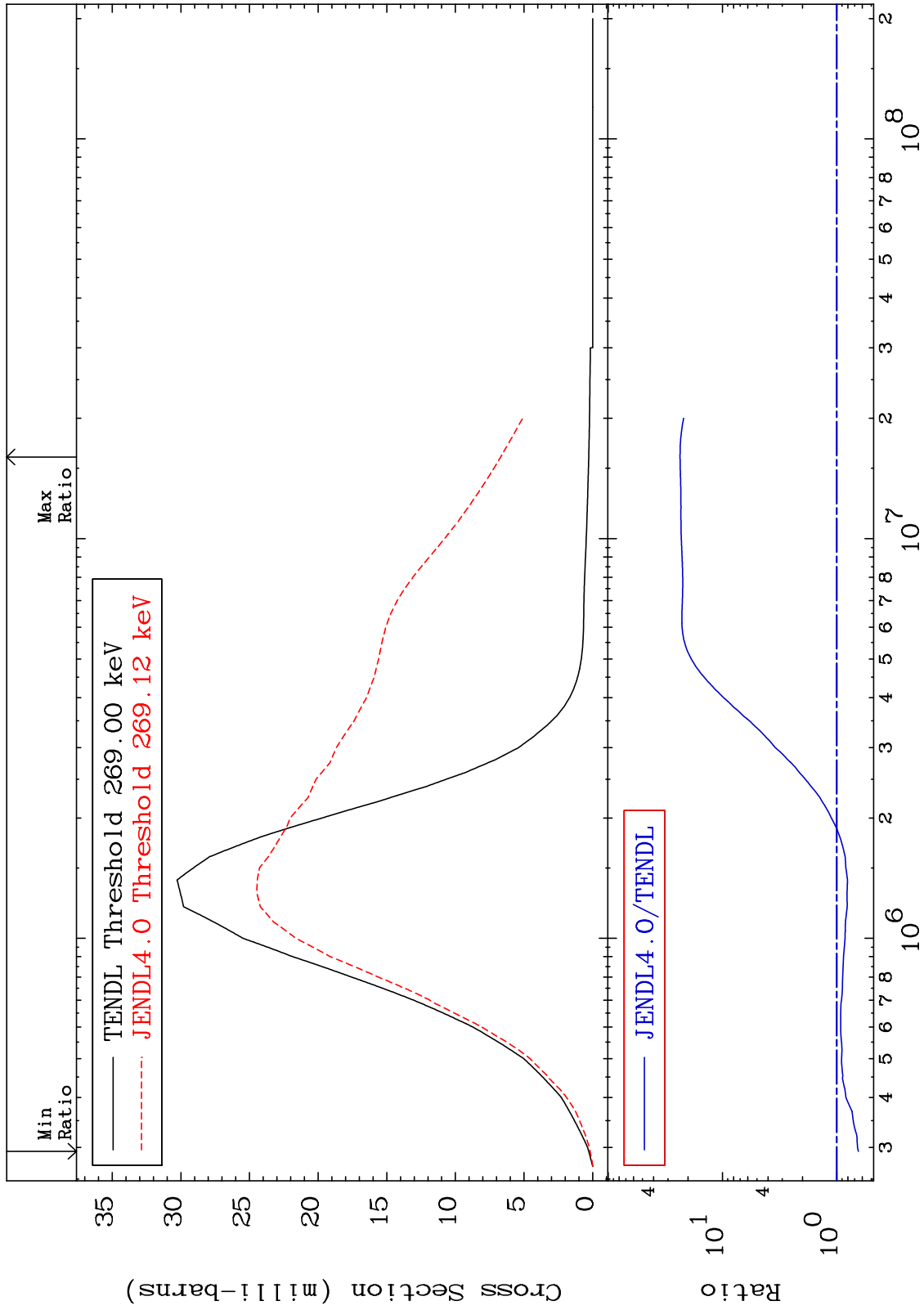
MAT 6640      MT= 58 (n,n') Level      66-Dy-161  
 Cross Section      -96.06 To 273.6 %



MAT 6640      MT= 59 (n,n') Level      66-Dy-161  
 Cross Section      -47.47 To 9999. %



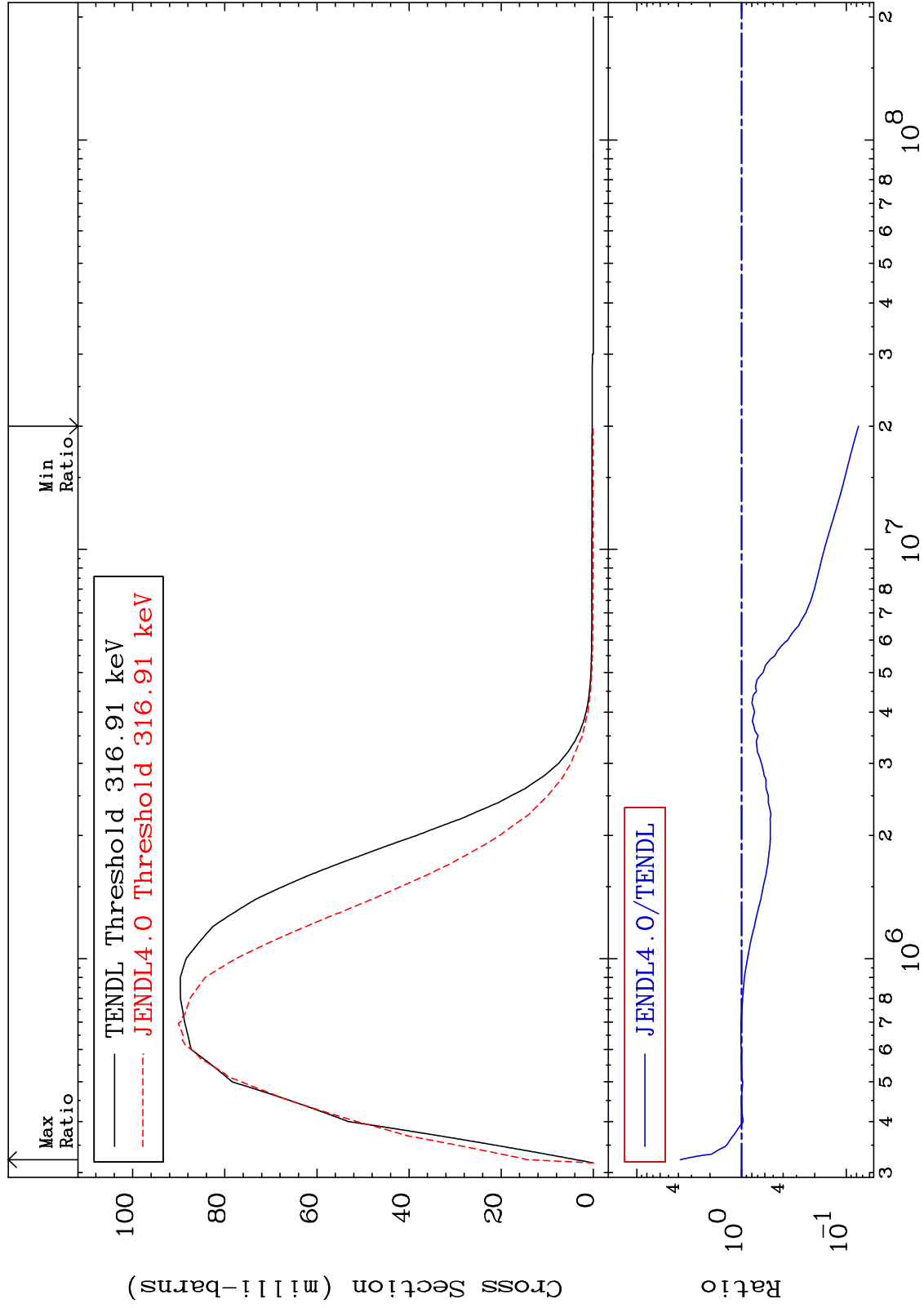
MAT 6640      MT= 60 (n,n') Level      66-Dy-161  
 Cross Section      -35.19 To 2251. %



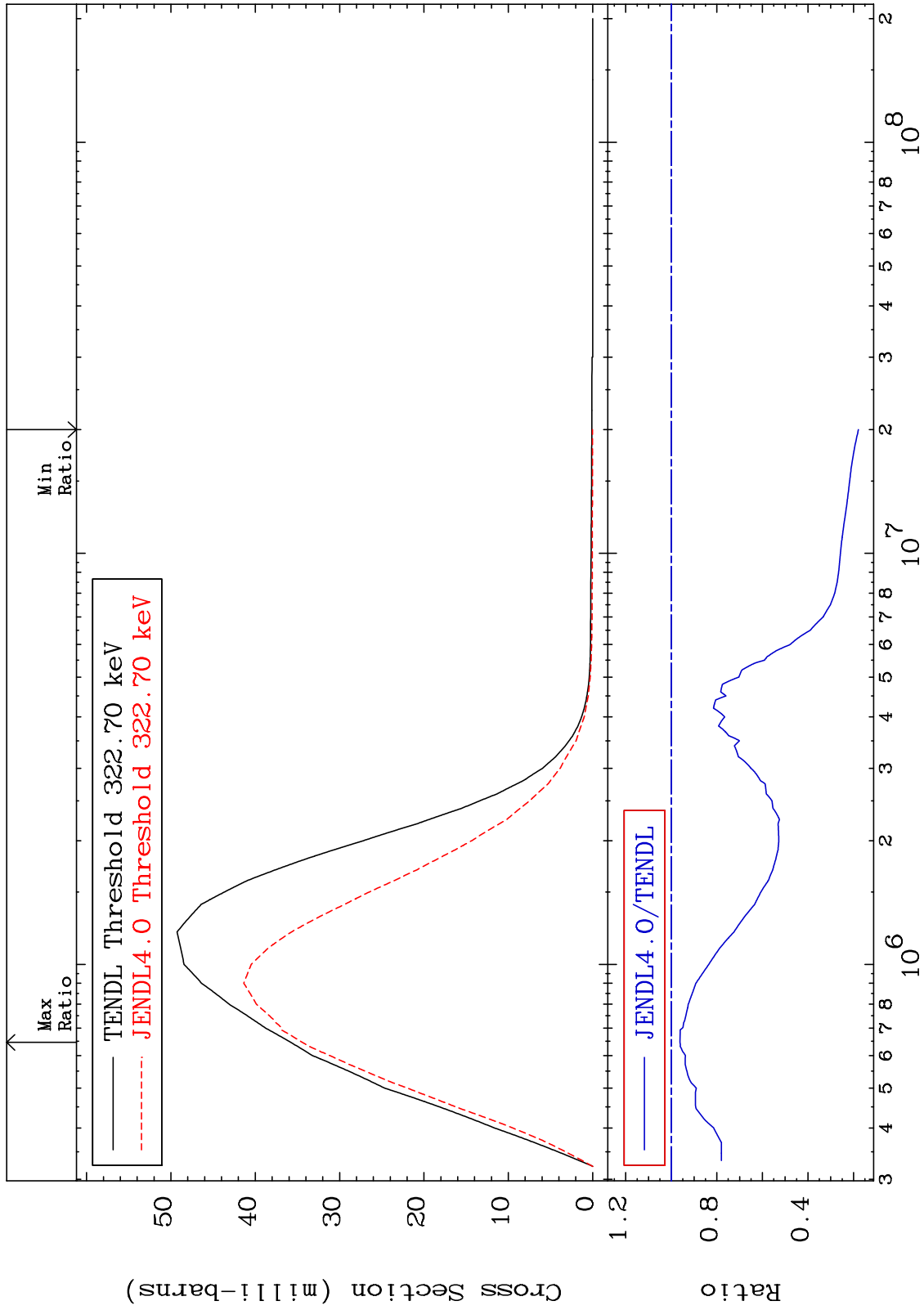
MAT 6640

MT= 61 (n,n') Level  
Cross Section

66-Dy-161  
-92.35 To 283.1 %

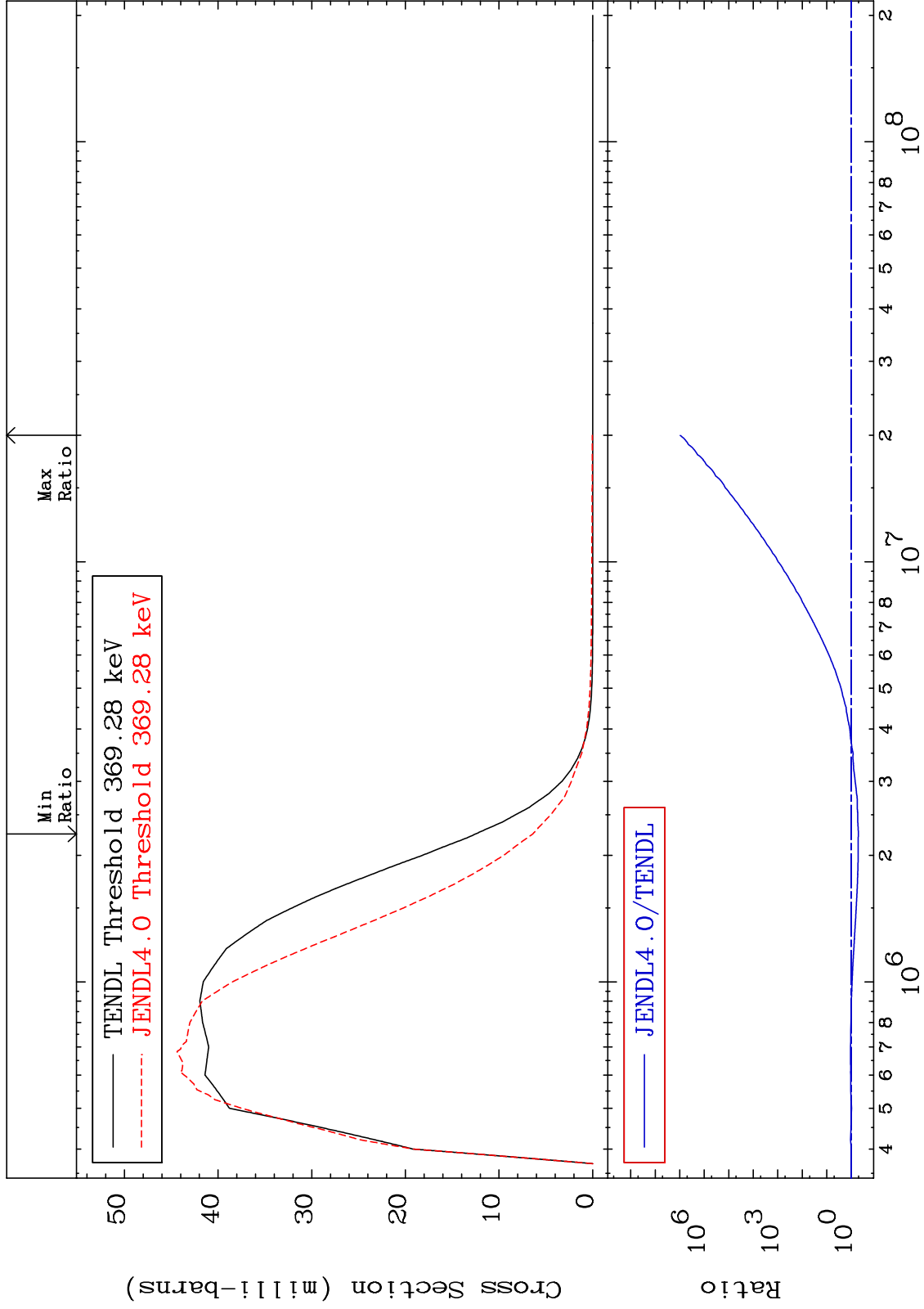


MAT 6640 MT= 62 (n,n') Level 66-Dy-161  
 Cross Section -82.15 To -3.831%





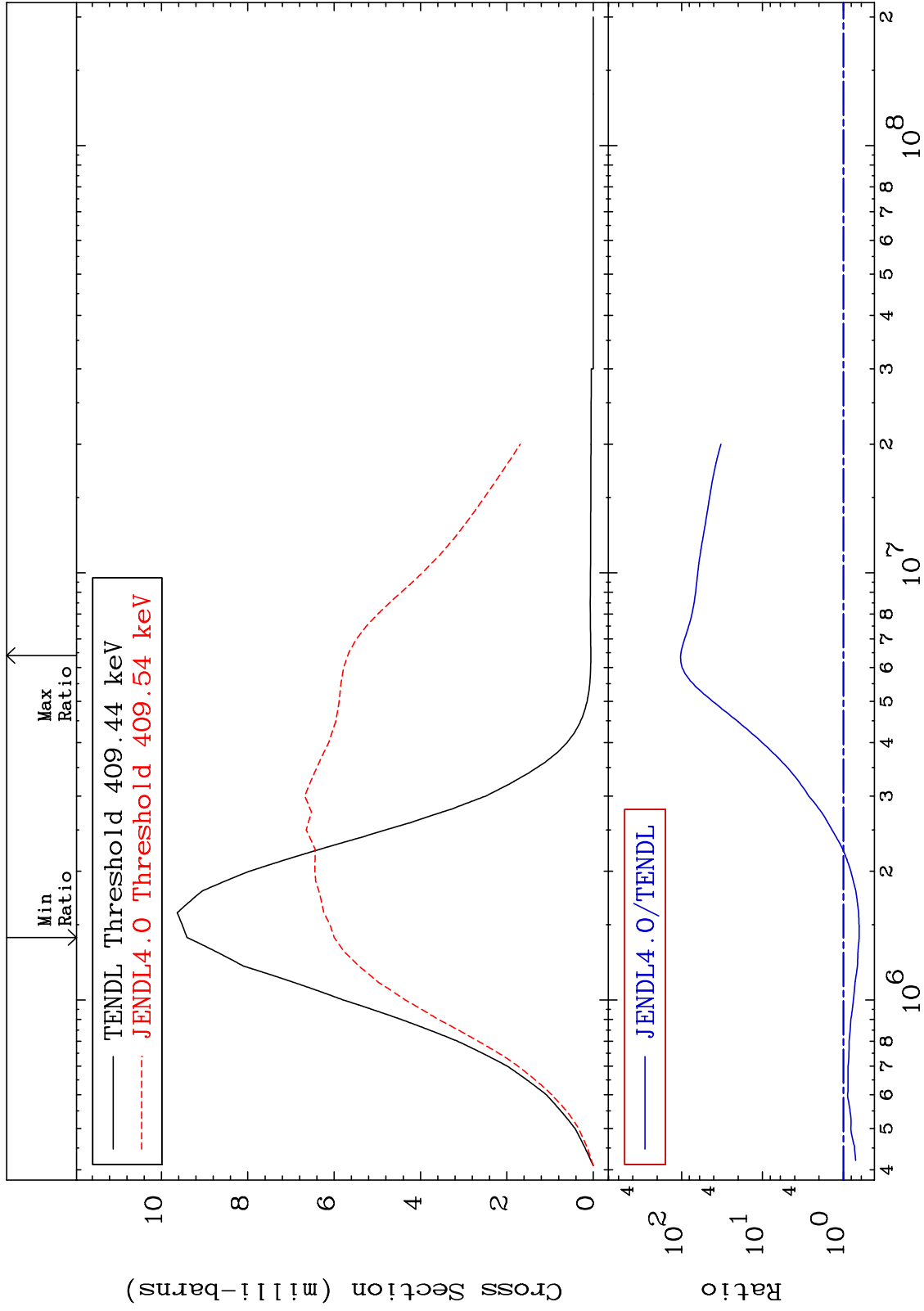
MAT 6640 MT= 63 (n,n') Level Cross Section 66-Dy-161 -48.88 To 9999. %



MAT 6640

MT= 64 (n,n') Level  
Cross Section

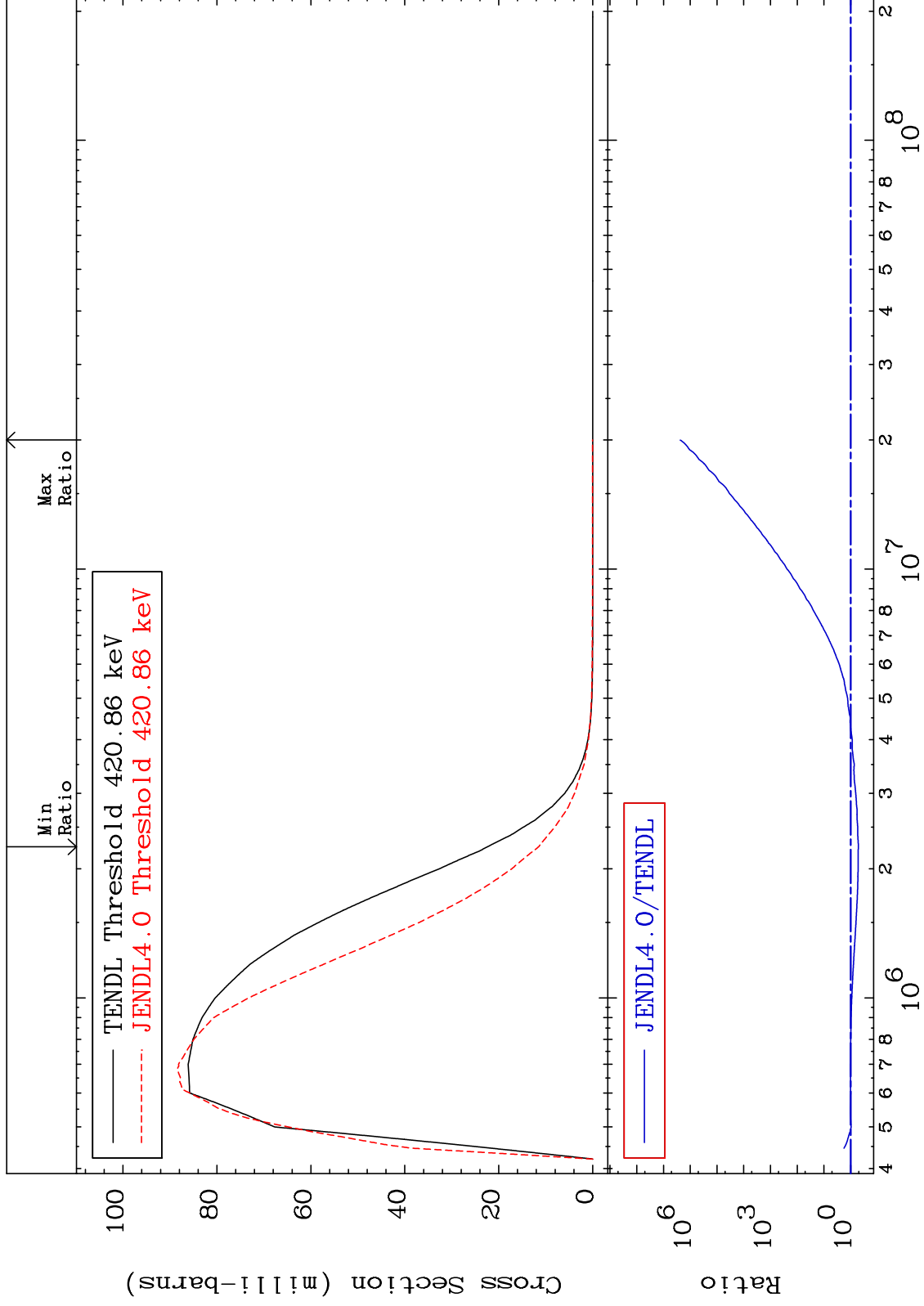
66-Dy-161  
-36.22 To 9999. %



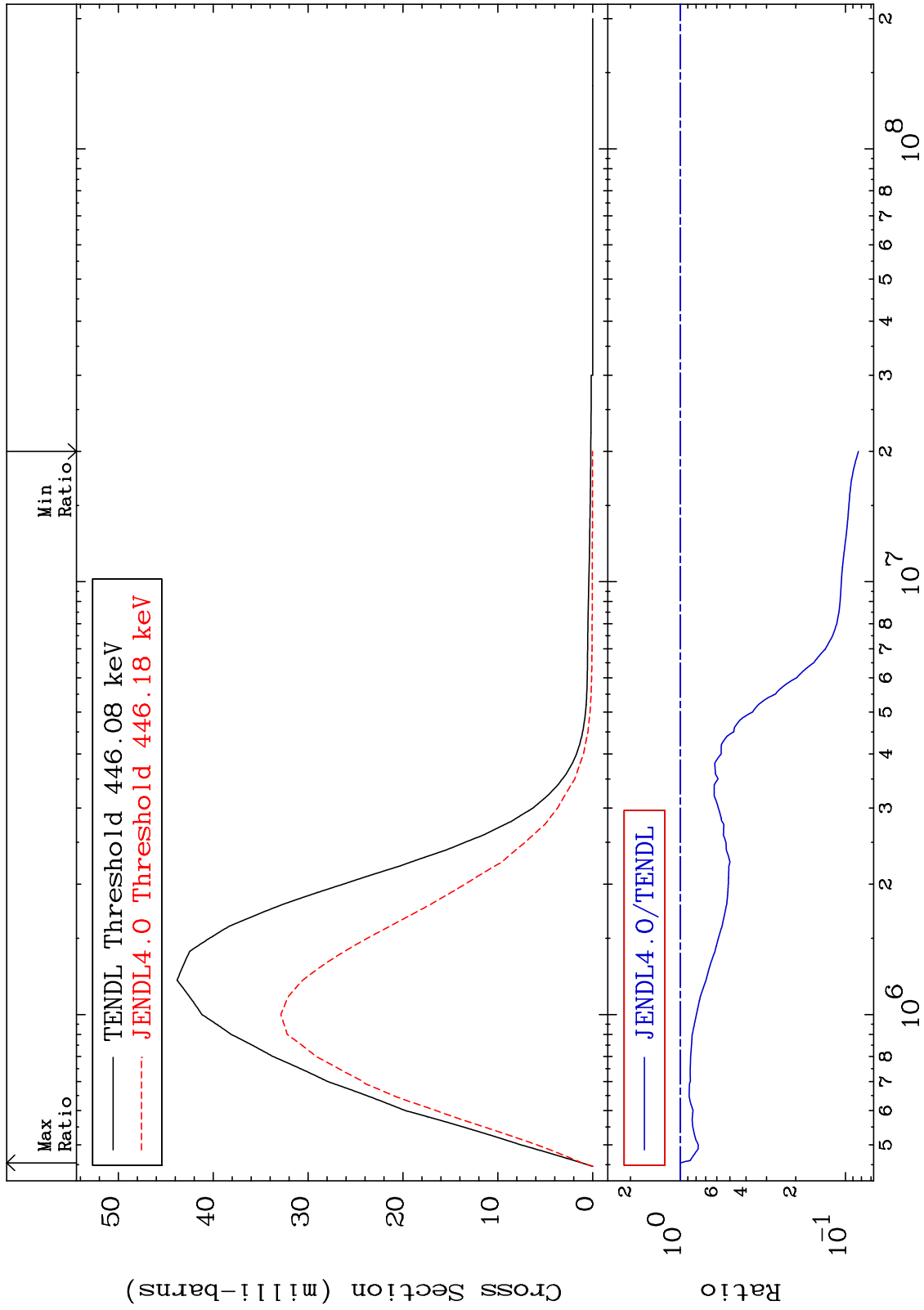
MAT 6640

MT= 65 (n,n') Level  
Cross Section

66-Dy-161  
-48.63 To 9999. %



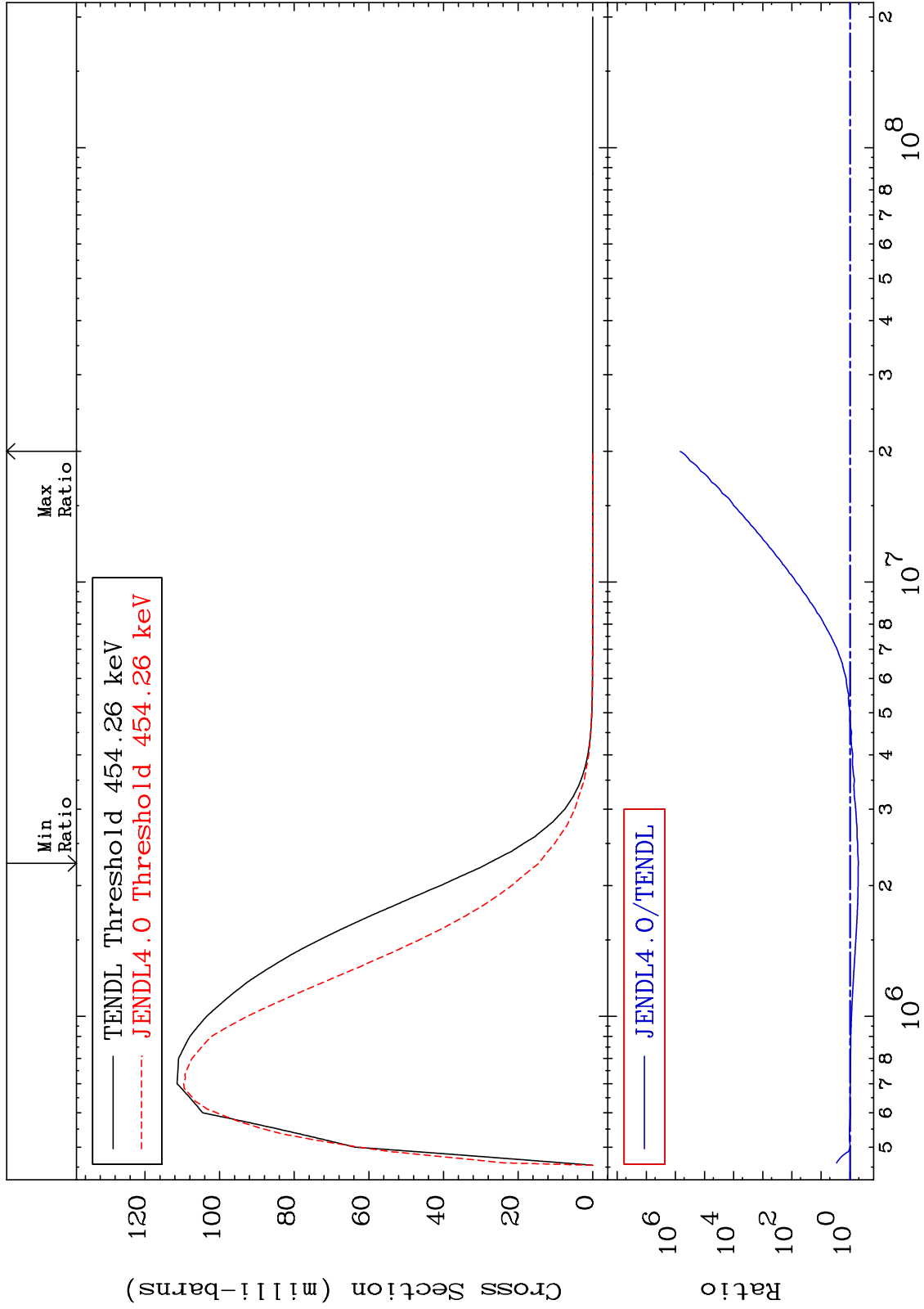
MAT 6640 MT= 66 (n,n') Level Cross Section 66-Dy-161 -91.65 To 0.212 %



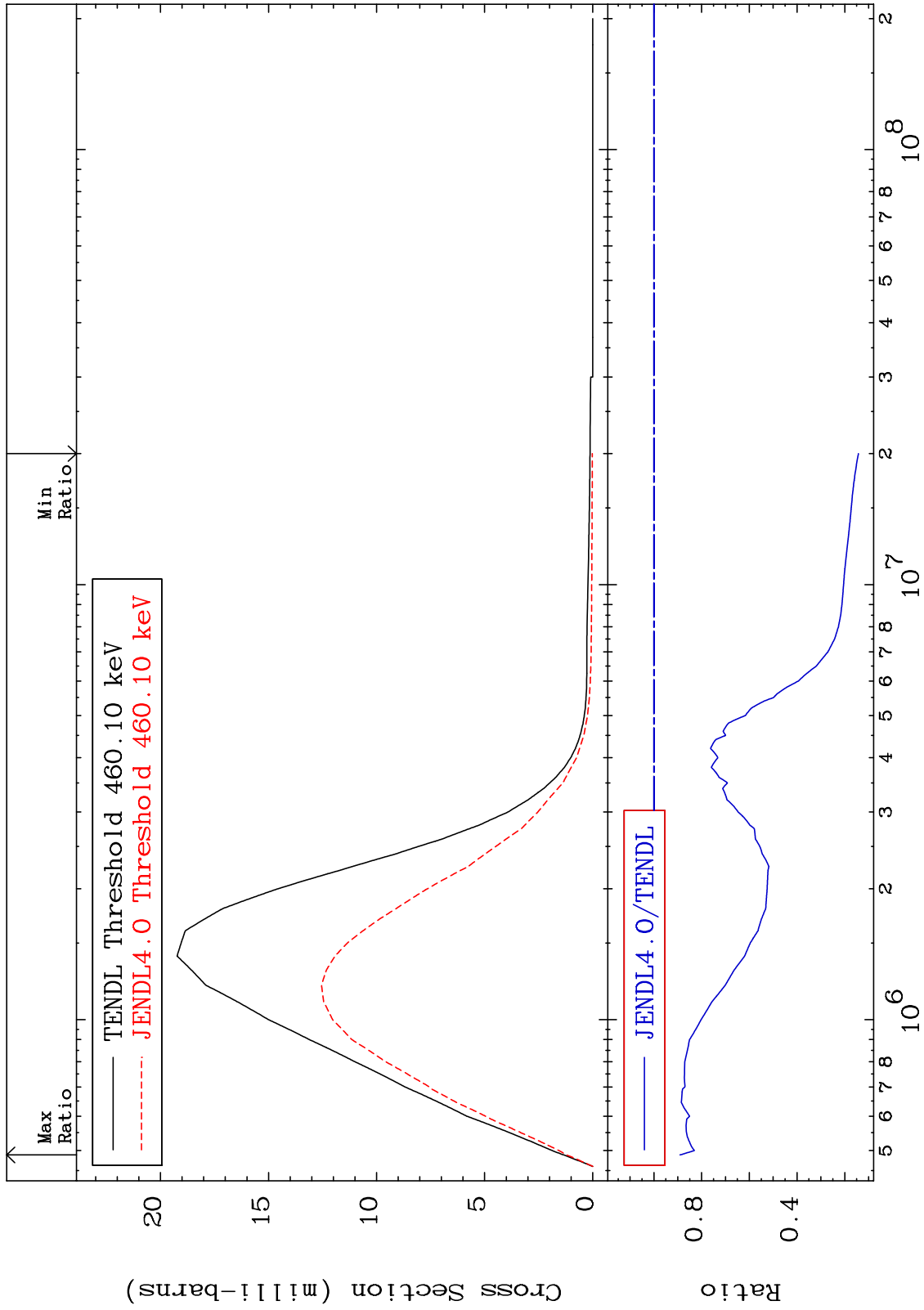
MAT 6640

MT= 67 (n,n') Level  
Cross Section

66-Dy-161  
-48.23 To 9999. %



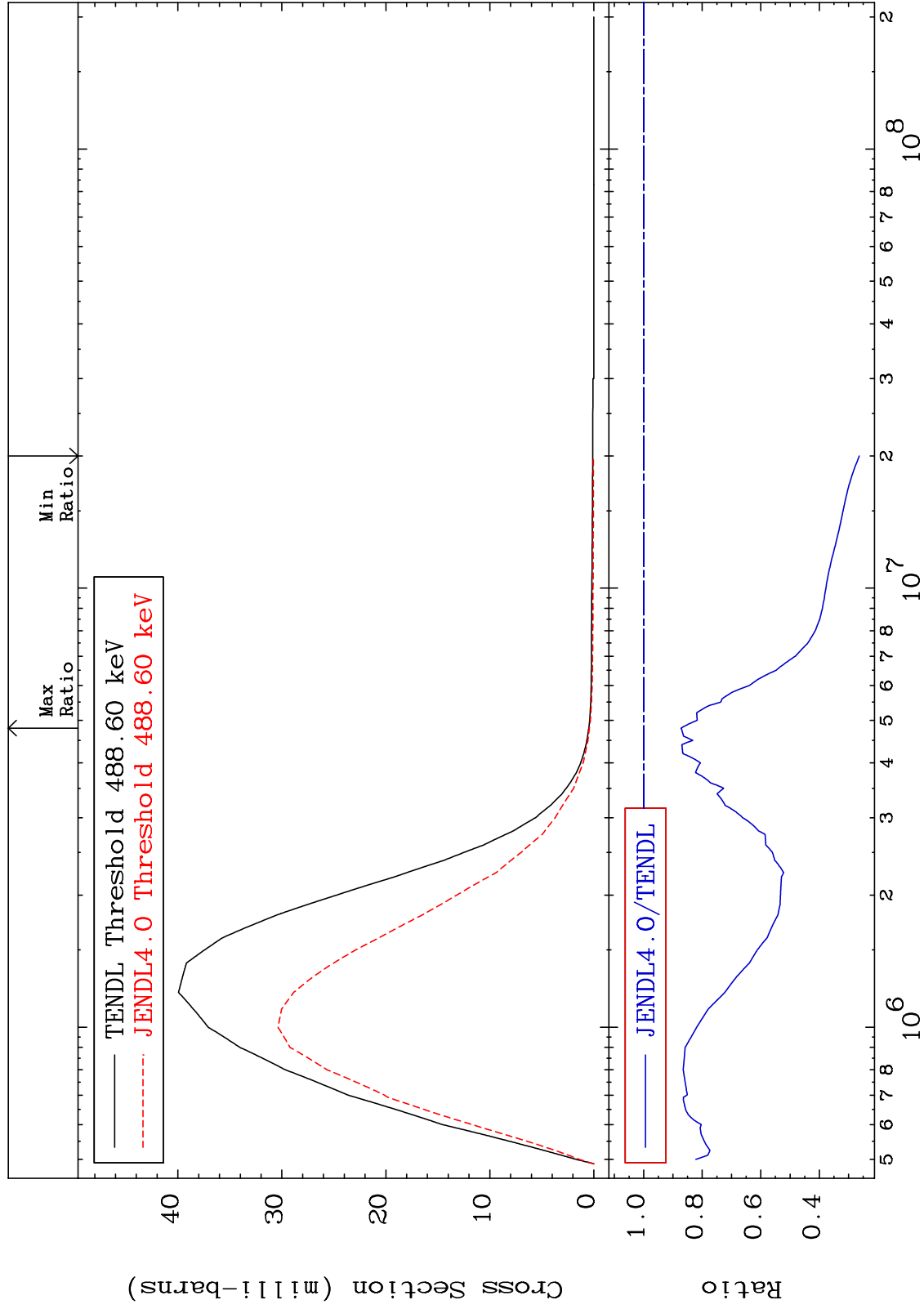
MAT 6640      MT= 68 (n,n') Level Cross Section      66-Dy-161  
 -85.73 To -10.95%



MAT 6640

MT= 69 (n,n') Level  
Cross Section

66-Dy-161  
-73.64 To -12.77%



30

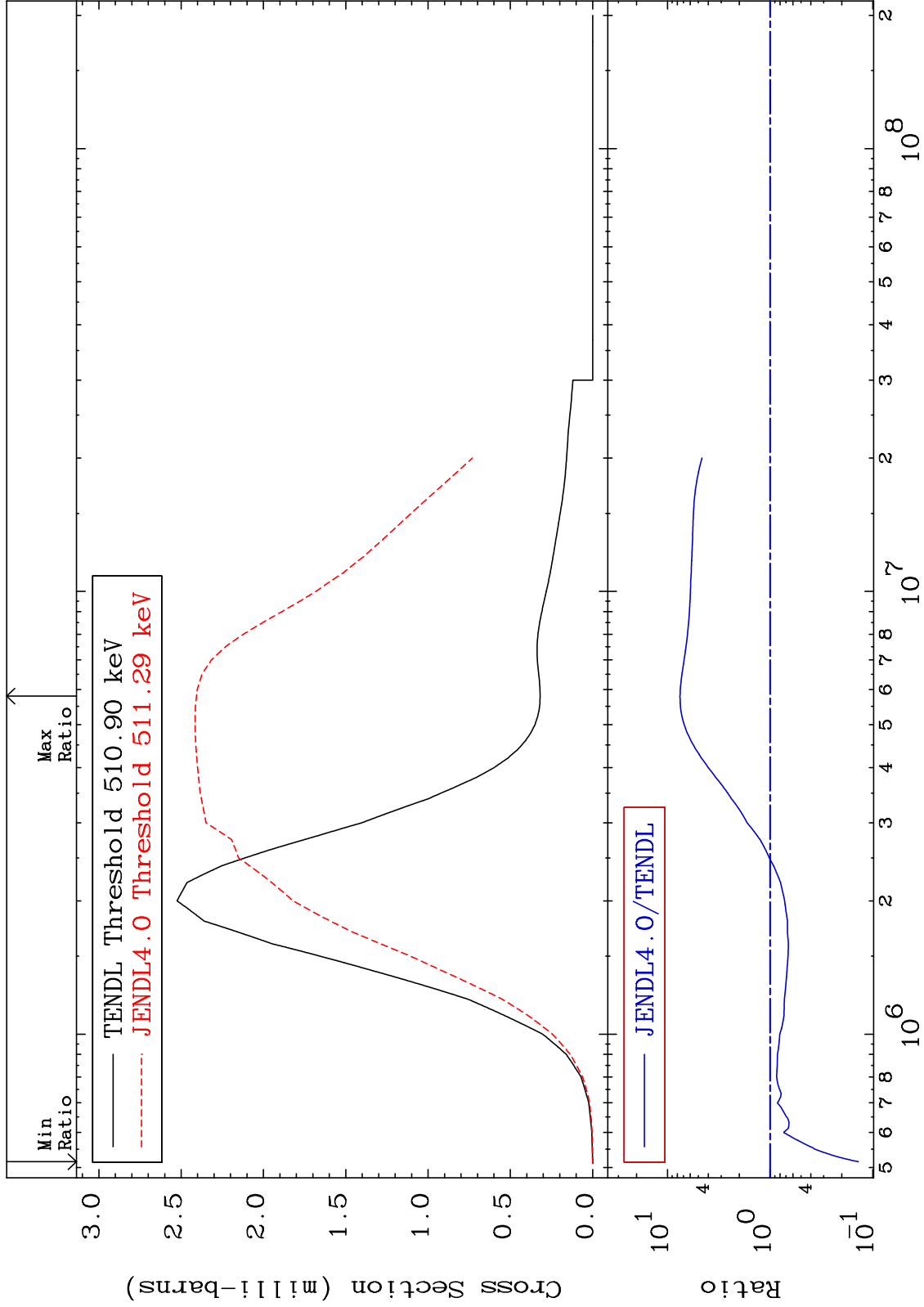
Incident Energy (eV)

66-Dy-161

MAT 6640

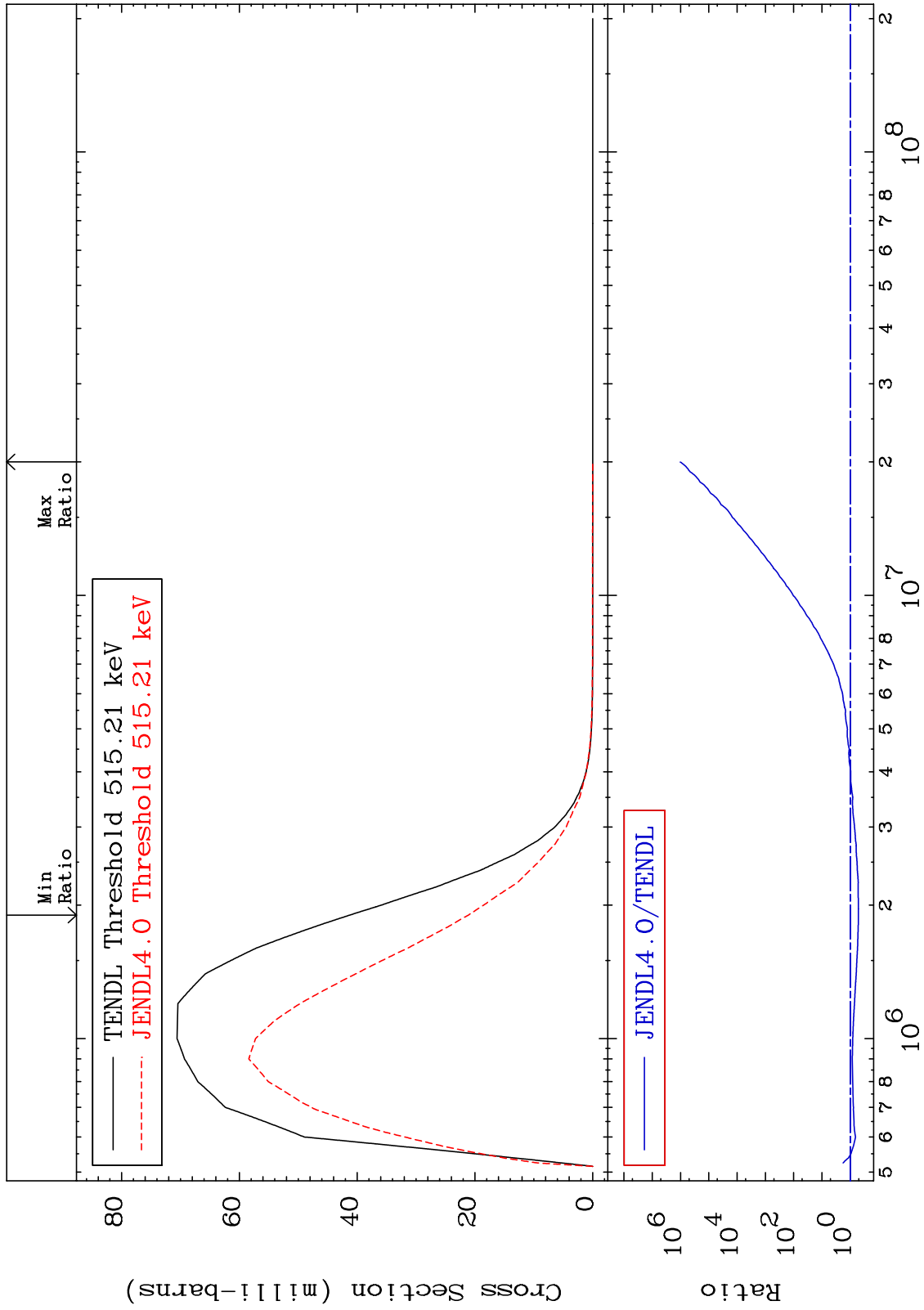
MT= 70 (n,n') Level  
Cross Section

66-Dy-161  
-86.22 To 654.6 %

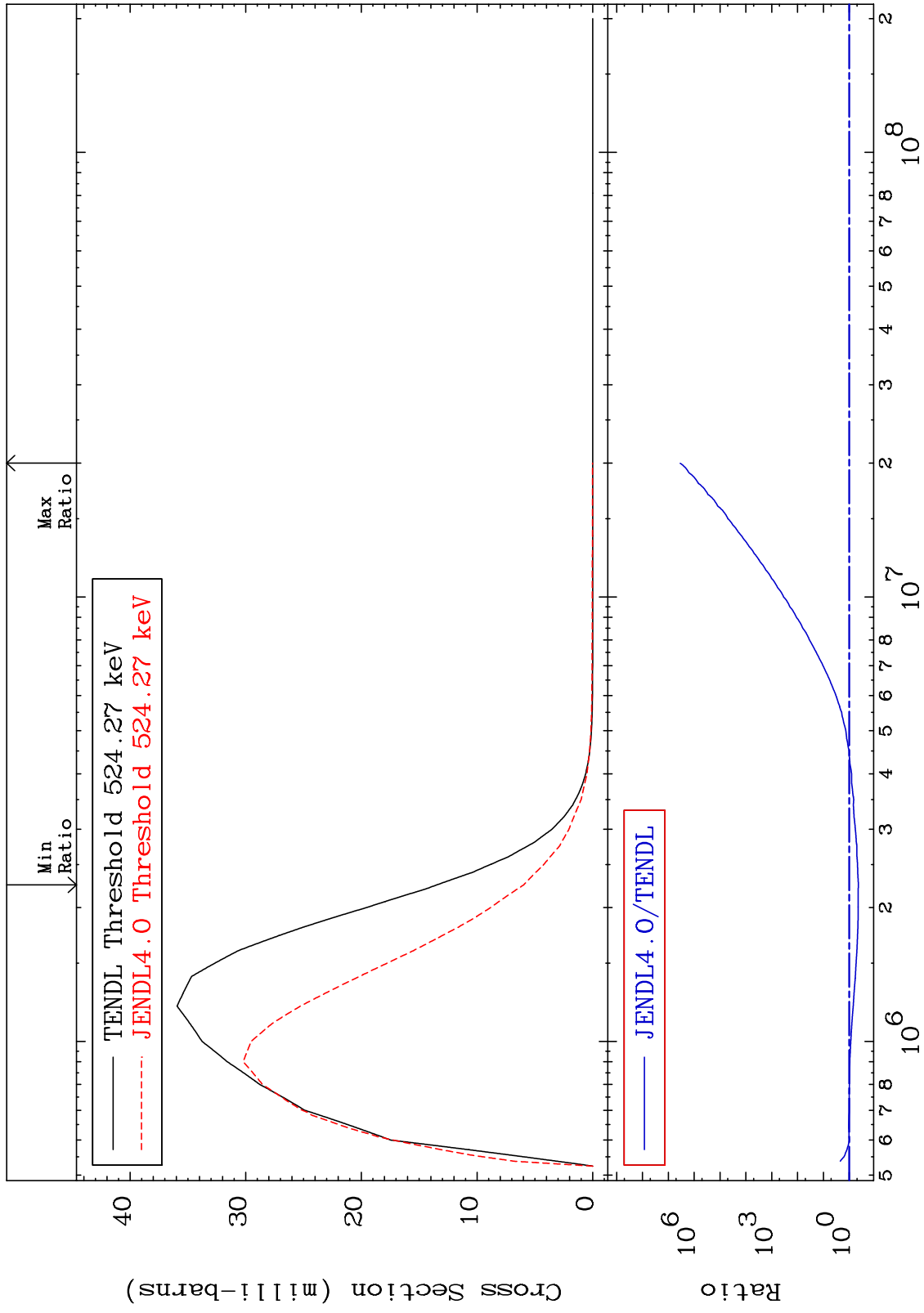




MAT 6640      MT= 71 (n,n') Level Cross Section      66-Dy-161  
 -48.80 To 9999. %



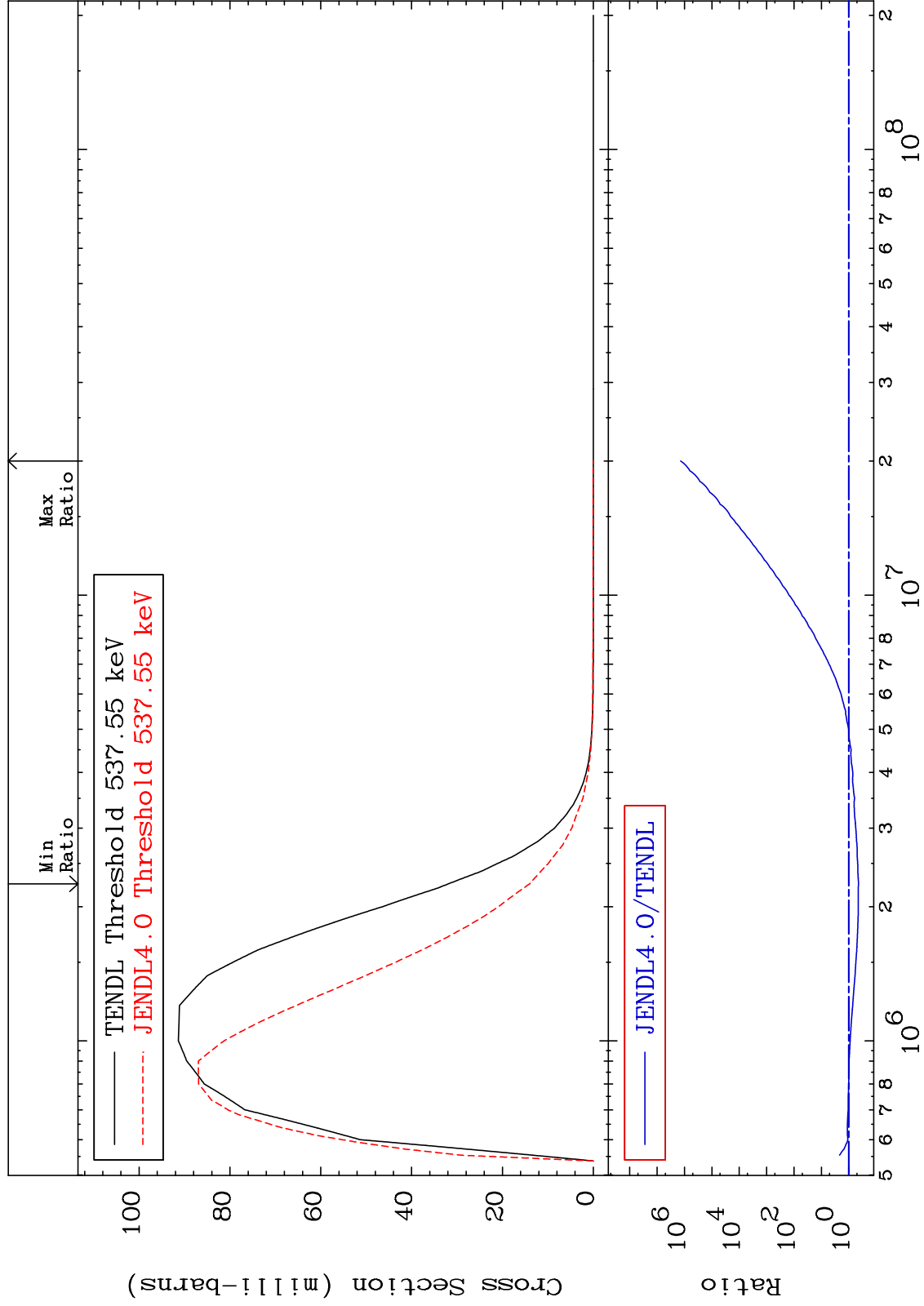
MAT 6640      MT= 72 (n,n') Level Cross Section      66-Dy-161  
-55.72 To 9999. %



MAT 6640

MT= 73 (n,n') Level  
Cross Section

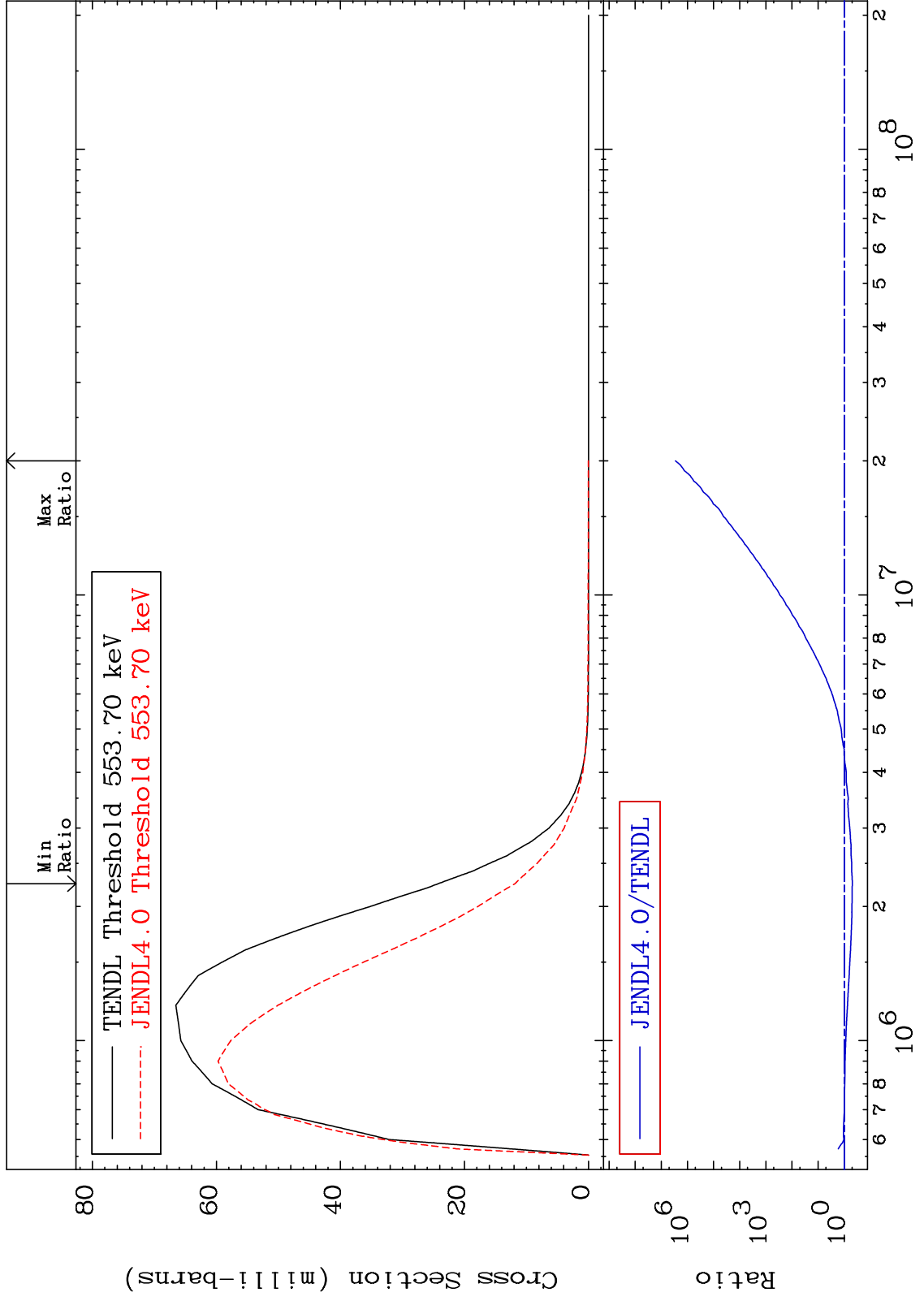
66-Dy-161  
-56.07 To 9999. %



MAT 6640

MT= 74 (n,n') Level  
Cross Section

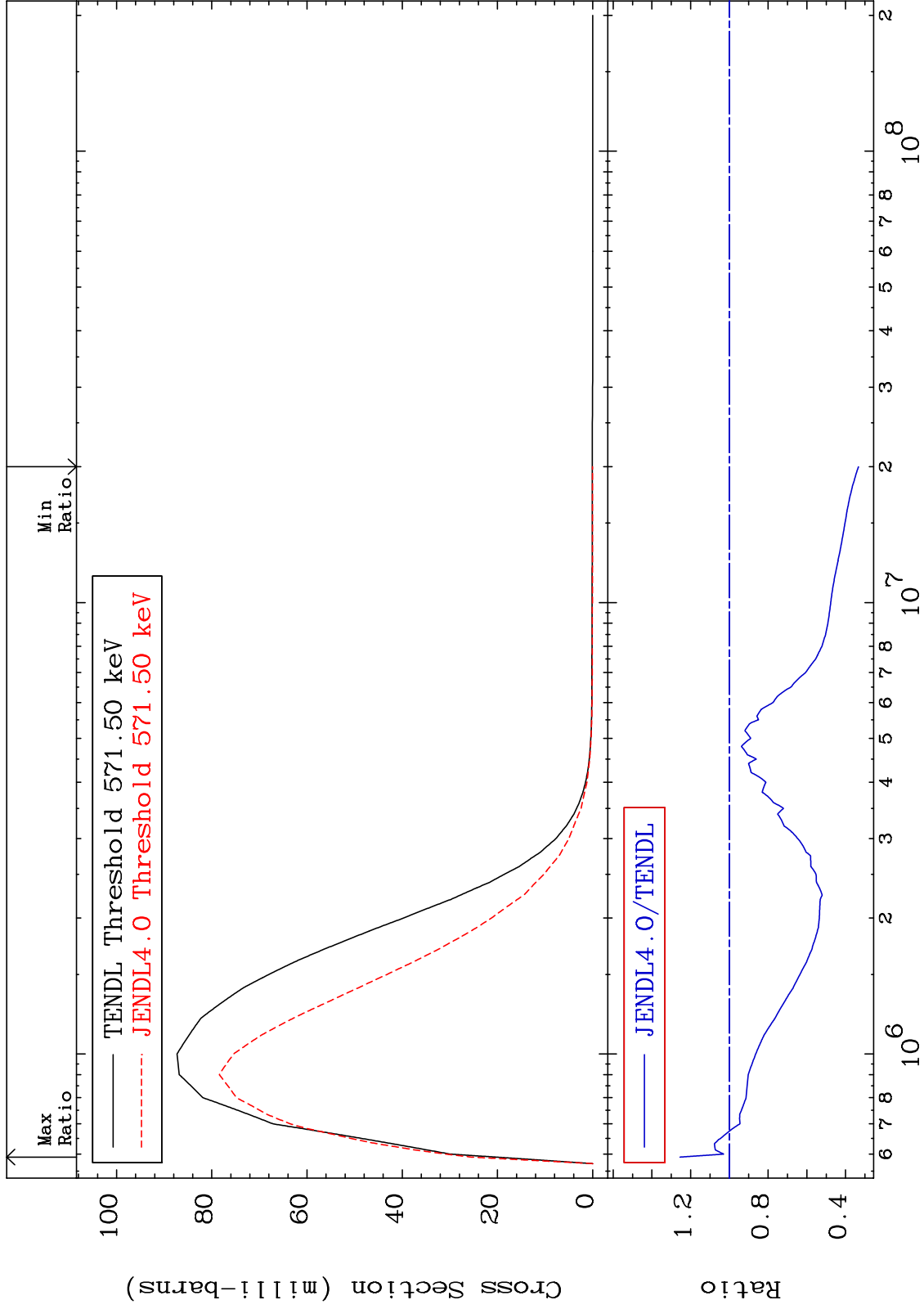
66-Dy-161  
-51.04 To 9999. %



MAT 6640

MT= 75 (n,n') Level  
Cross Section

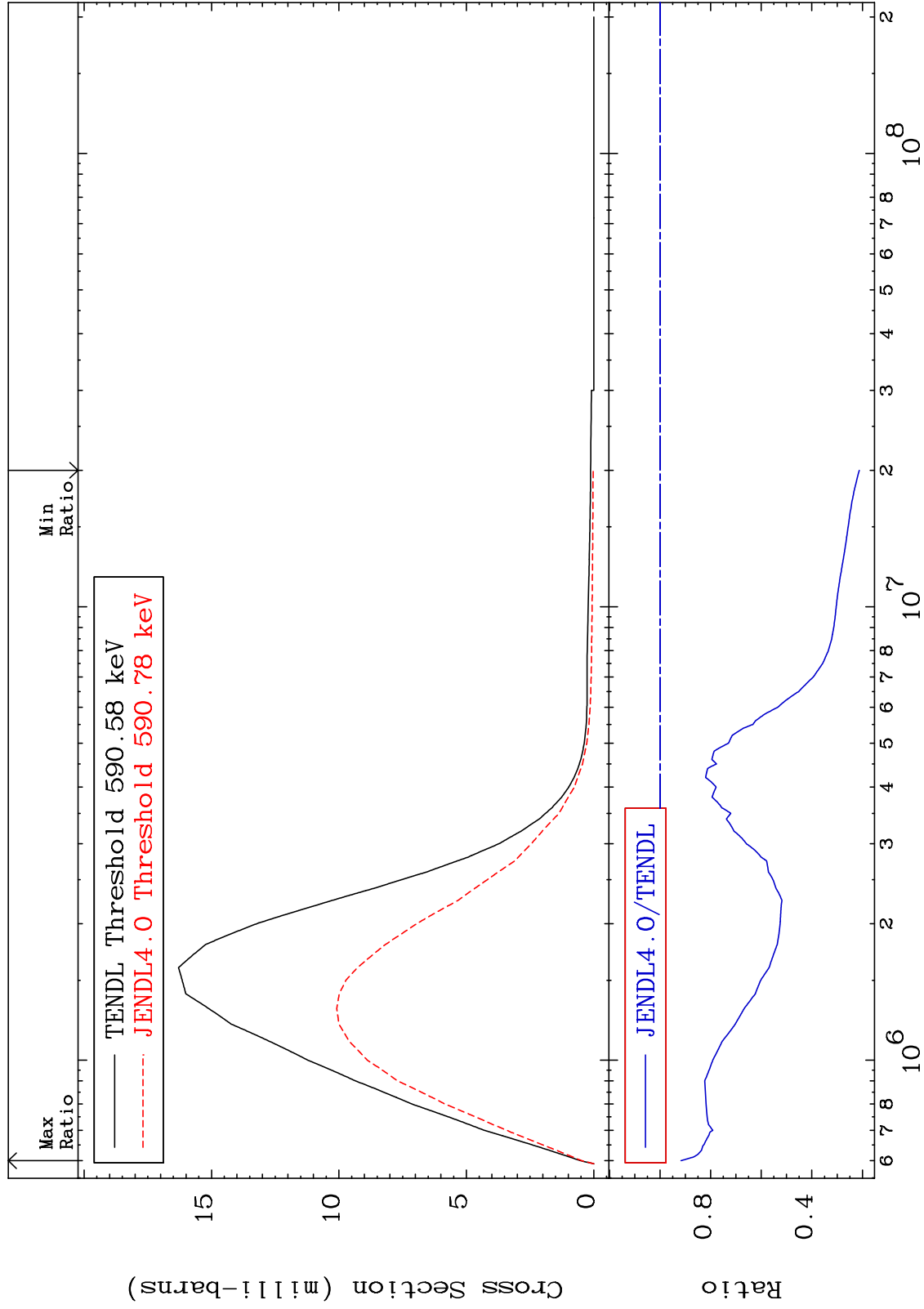
66-Dy-161  
-66.63 To 25.49 %



MAT 6640

MT= 76 (n,n') Level  
Cross Section

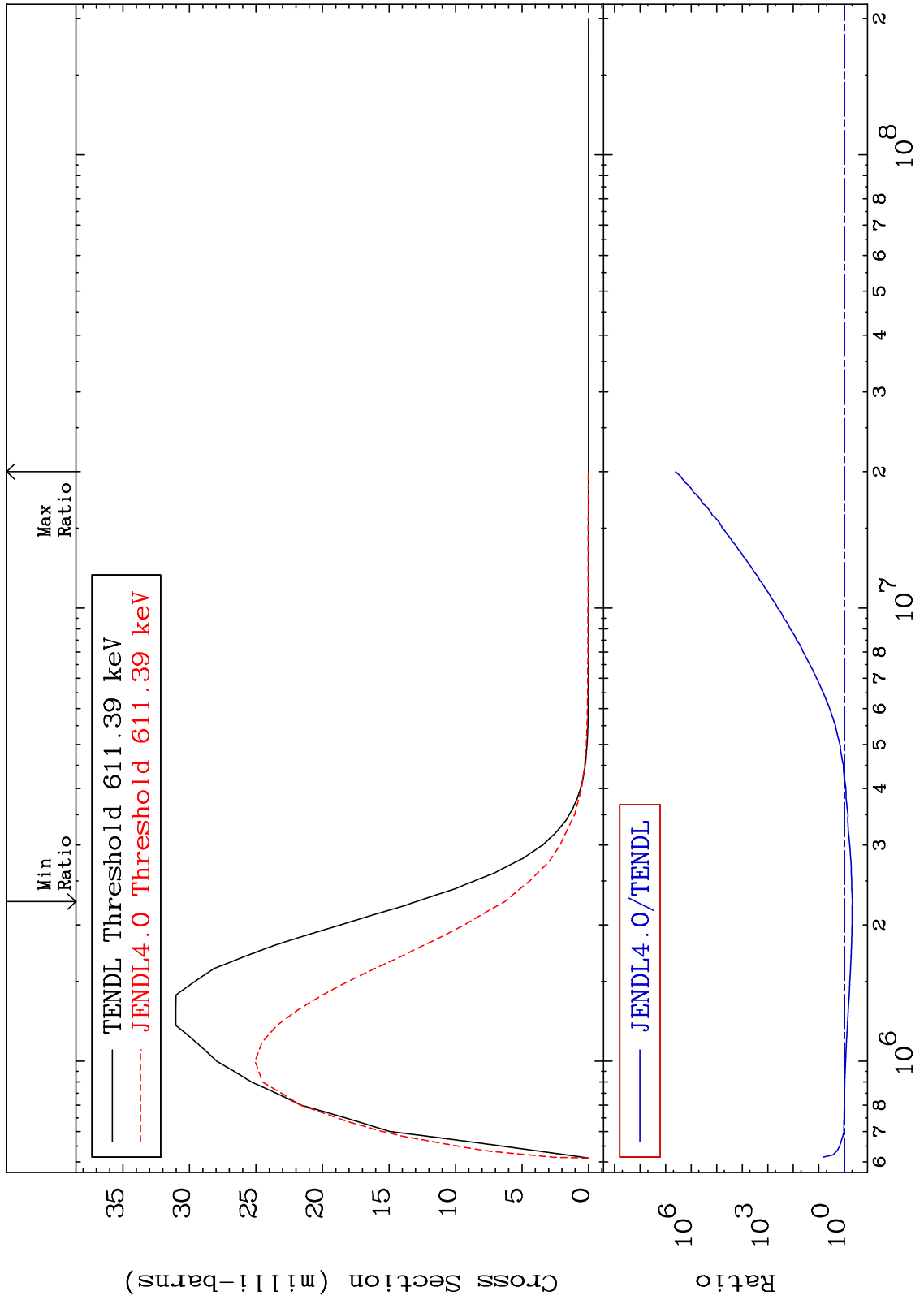
66-Dy-161  
-78.76 To -8.308%



37

66-Dy-161

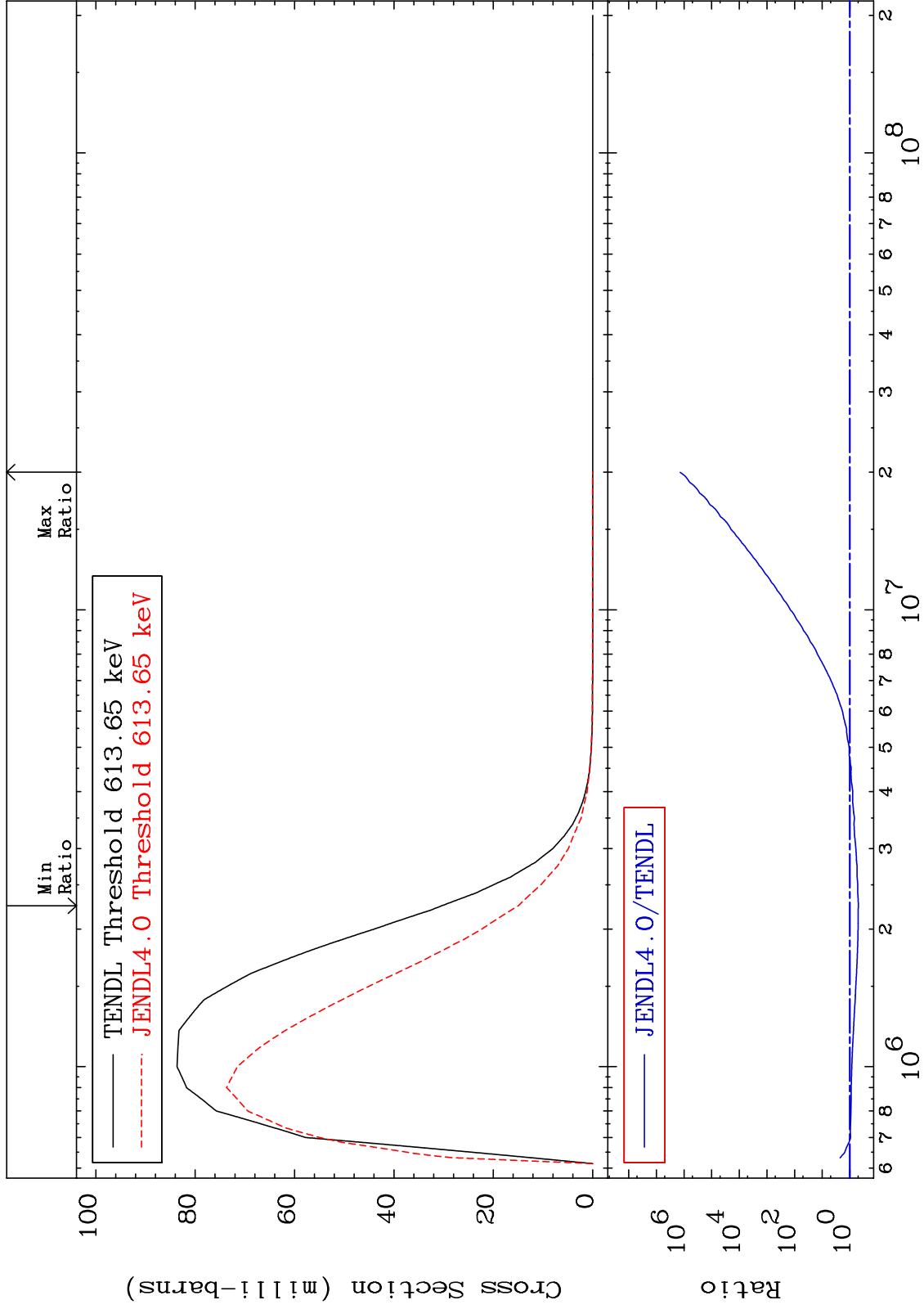
MAT 6640                      MT= 77 (n,n') Level                      66-Dy-161  
 Cross Section                      -51.44 To 9999. %



MAT 6640

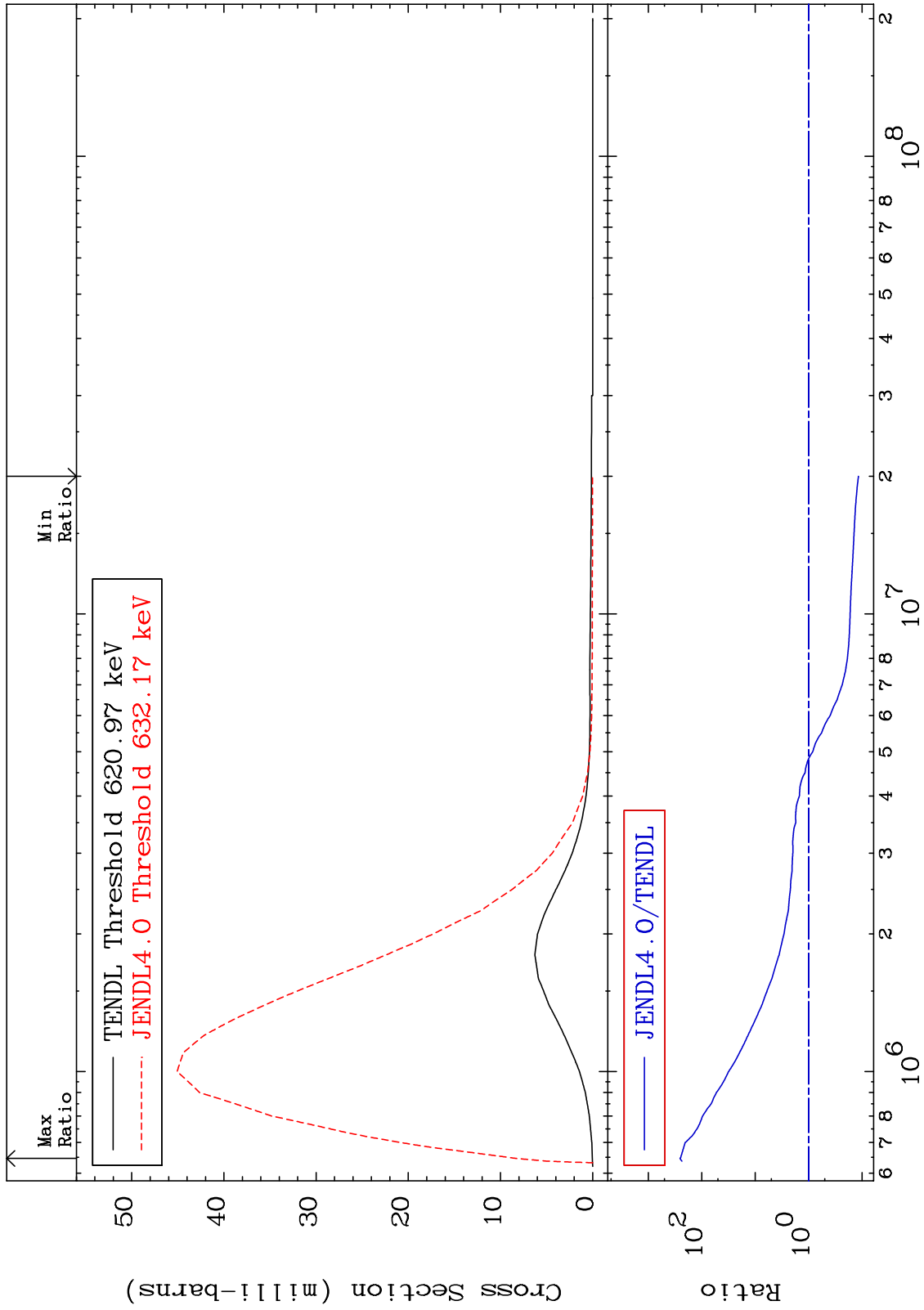
MT= 78 (n,n') Level  
Cross Section

66-Dy-161  
-50.71 To 9999. %



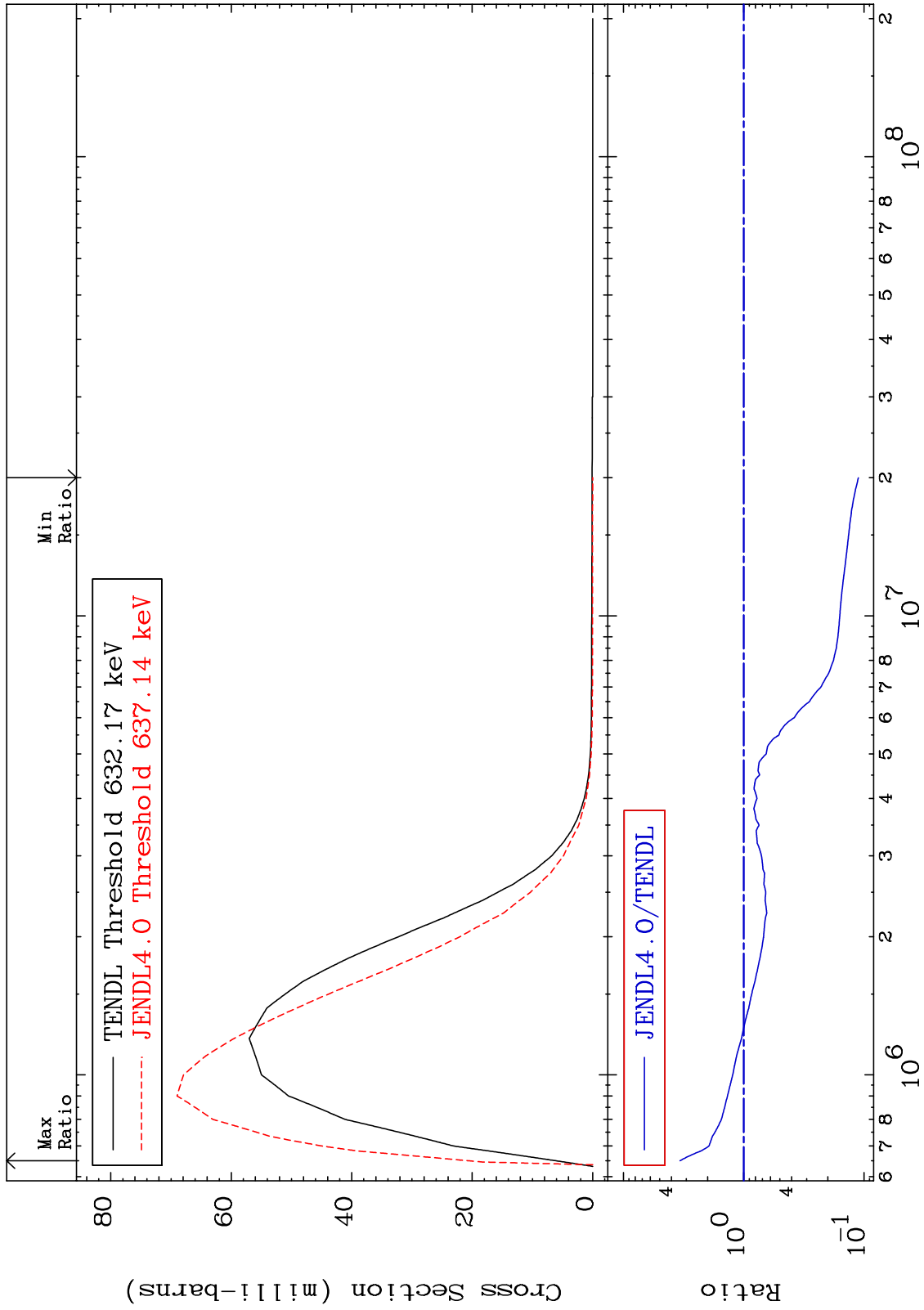


MAT 6640      MT= 79 (n,n') Level      66-Dy-161  
 Cross Section      -88.31 To 9999. %



40      66-Dy-161

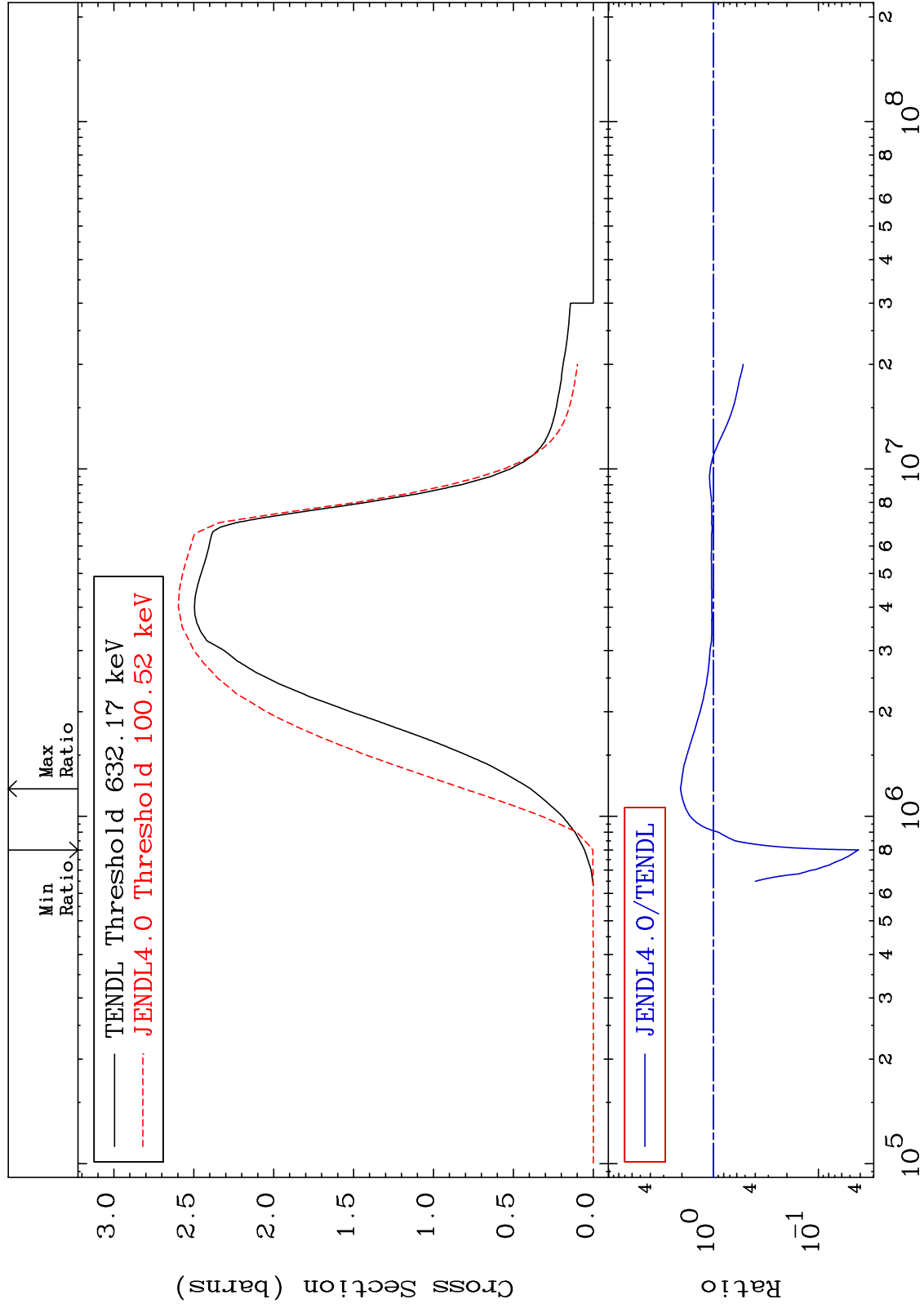
MAT 6640      MT= 80 (n,n') Level      66-Dy-161  
 Cross Section      -88.87 To 238.9 %



MAT 6640

(n, n') Continuum  
Cross Section

66-Dy-161  
-95.85 To 106.9 %



Incident Energy (eV)

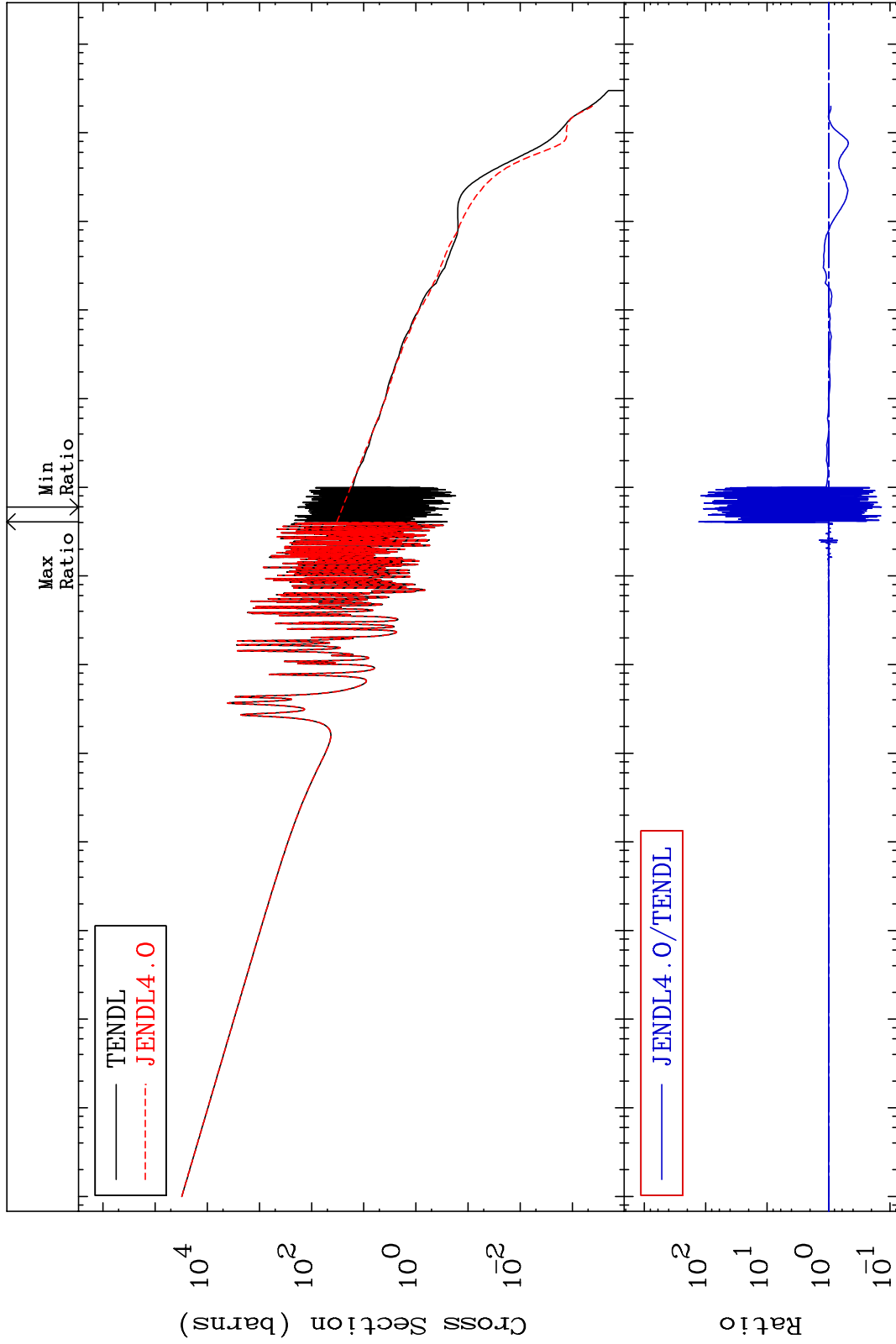
42

66-Dy-161

MAT 6640

(n,  $\gamma$ )  
Cross Section

66-Dy-161  
-86.29 To 9999. %



Ratio  
Incident Energy (eV)  
66-Dy-161

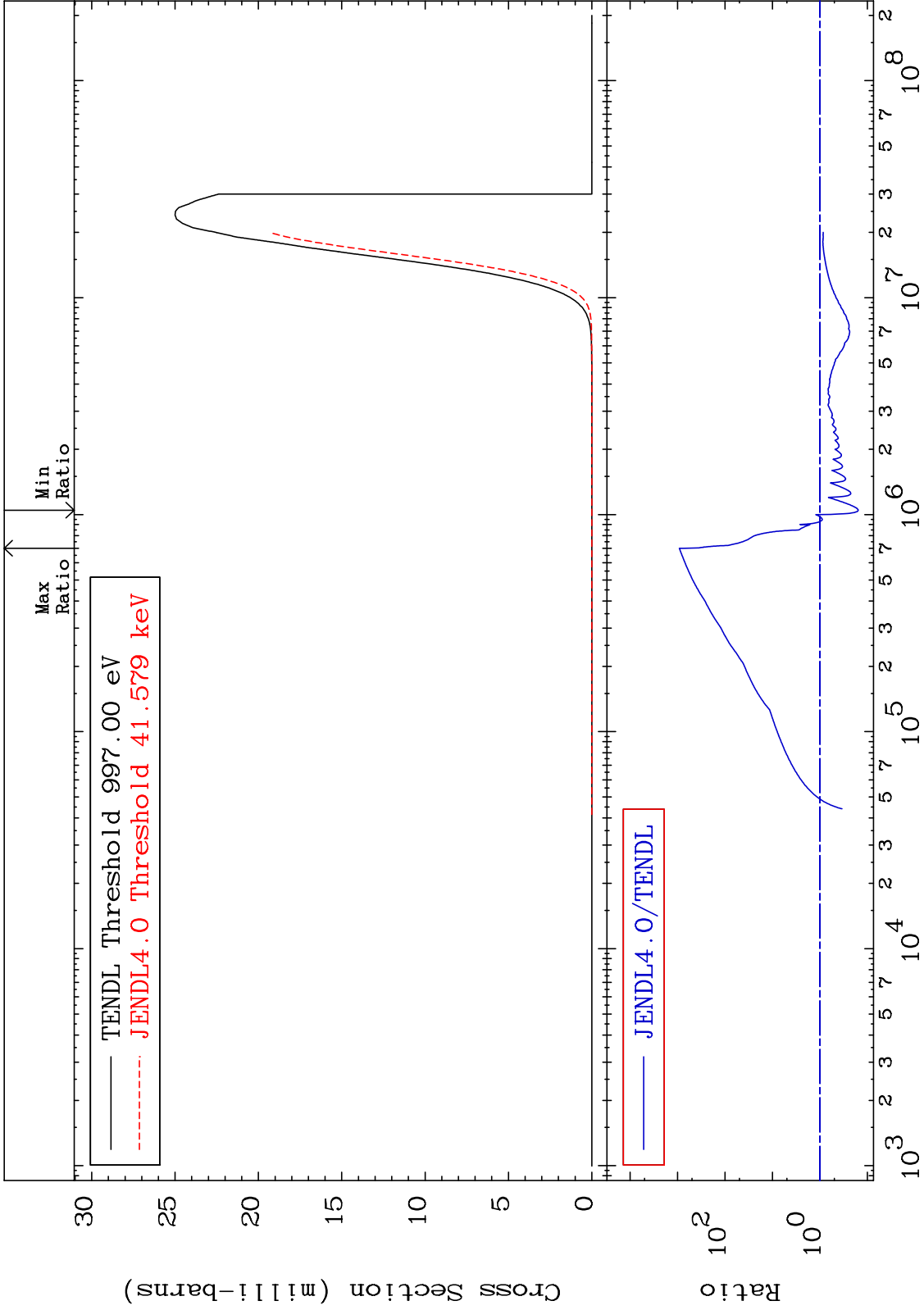
MAT 6640

(n, p)

66-Dy-161

-84.40 To 9999. %

Cross Section

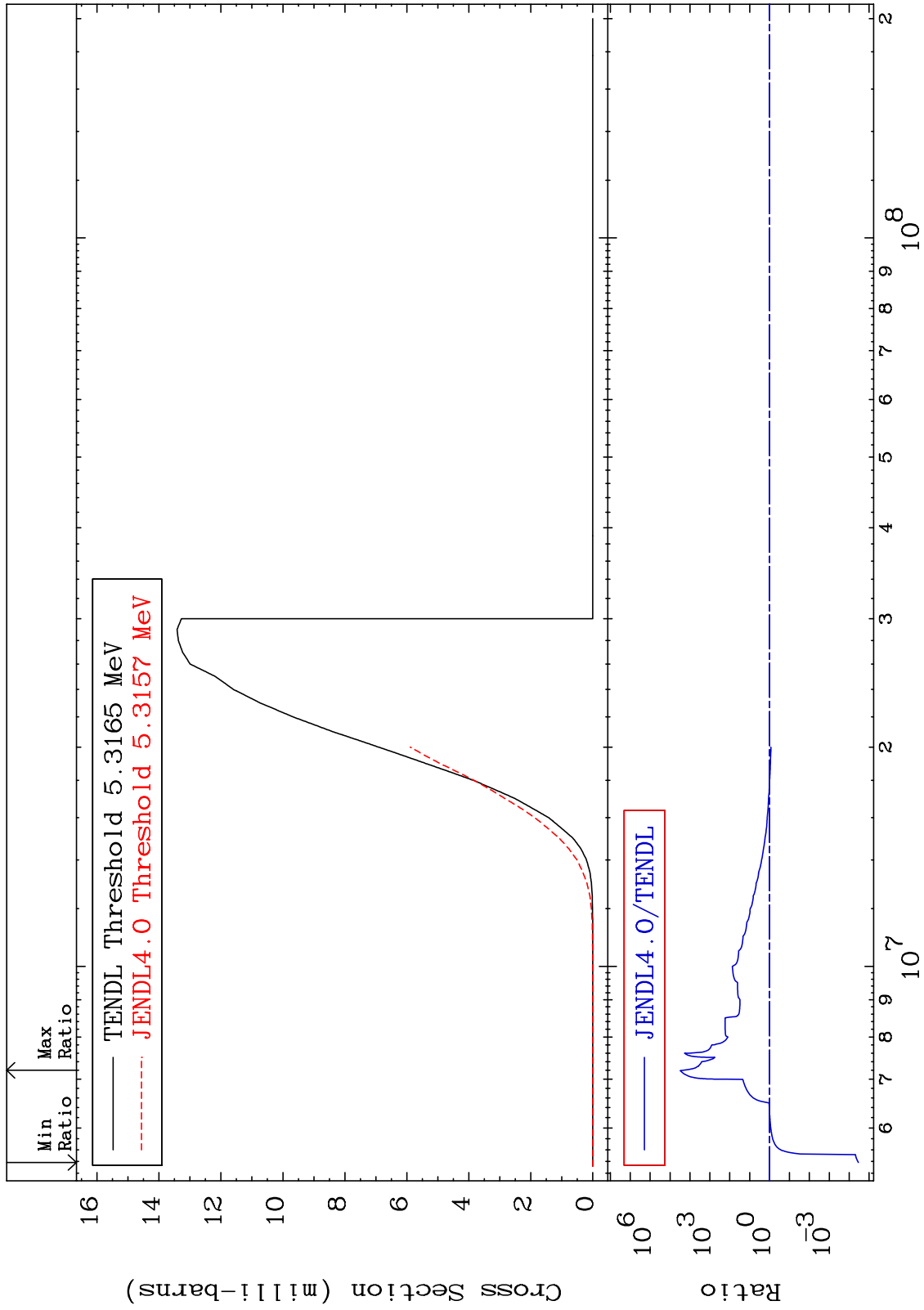


44

66-Dy-161

66-Dy-161

MAT 6640 (n,d) Cross Section 66-Dy-161  
 -100.0 To 9999. %



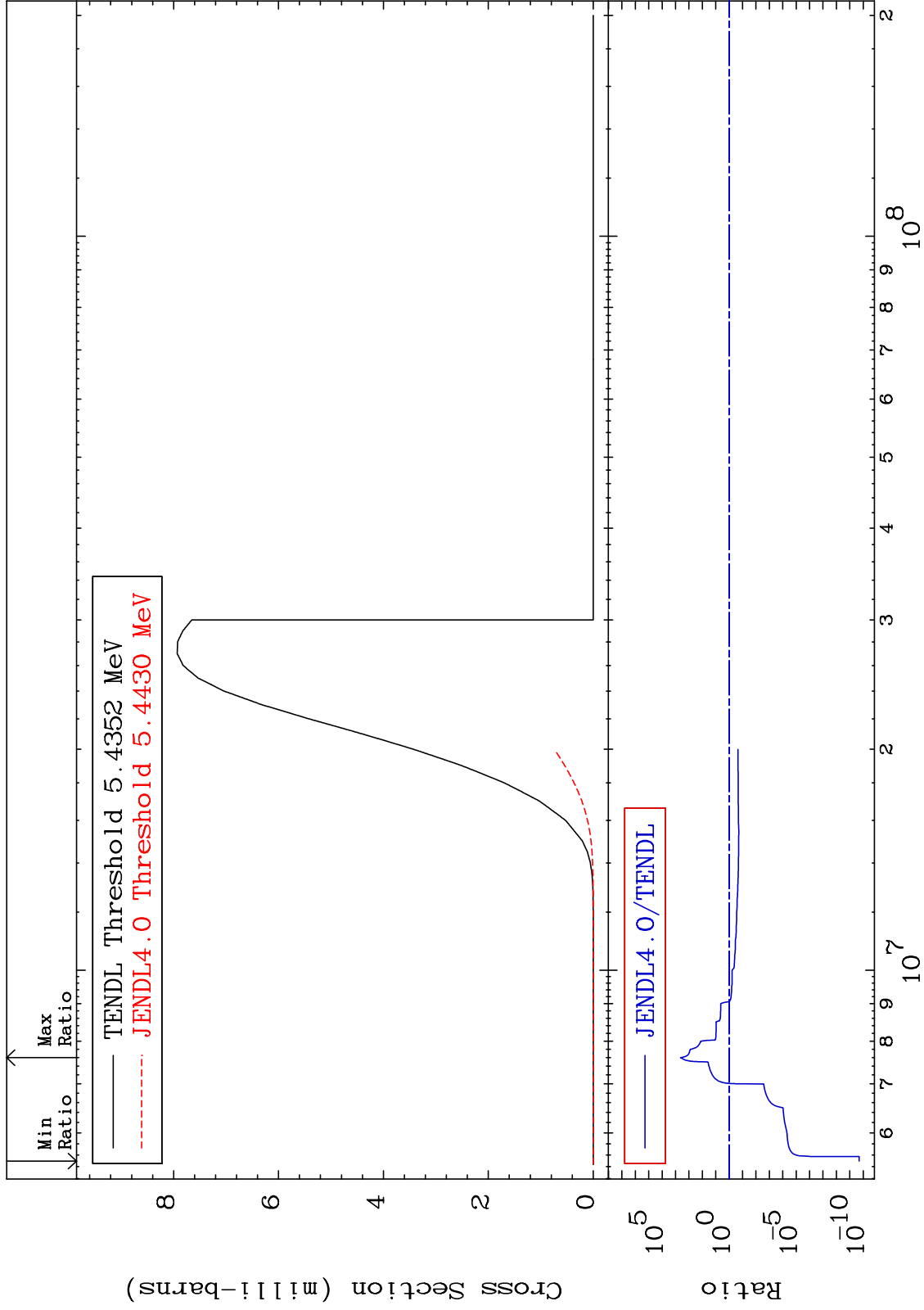
MAT 6640

(n, t)

66-Dy-161

Cross Section

-100.0 To 9999. %



46

Incident Energy (eV)

66-Dy-161

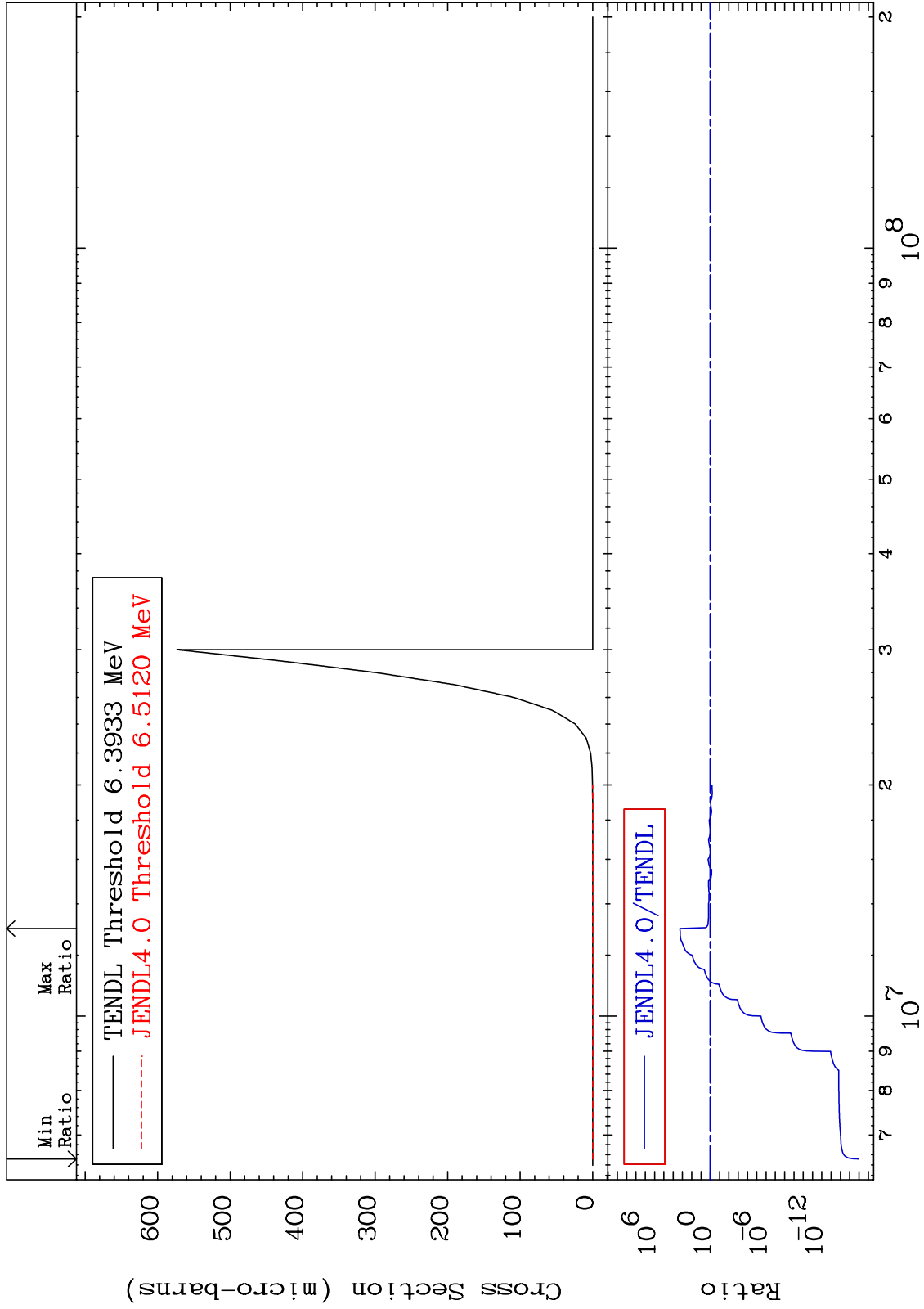
MAT 6640

(n, He-3)

66-Dy-161

Cross Section

-100.0 To 9999. %



47

Incident Energy (eV)

66-Dy-161



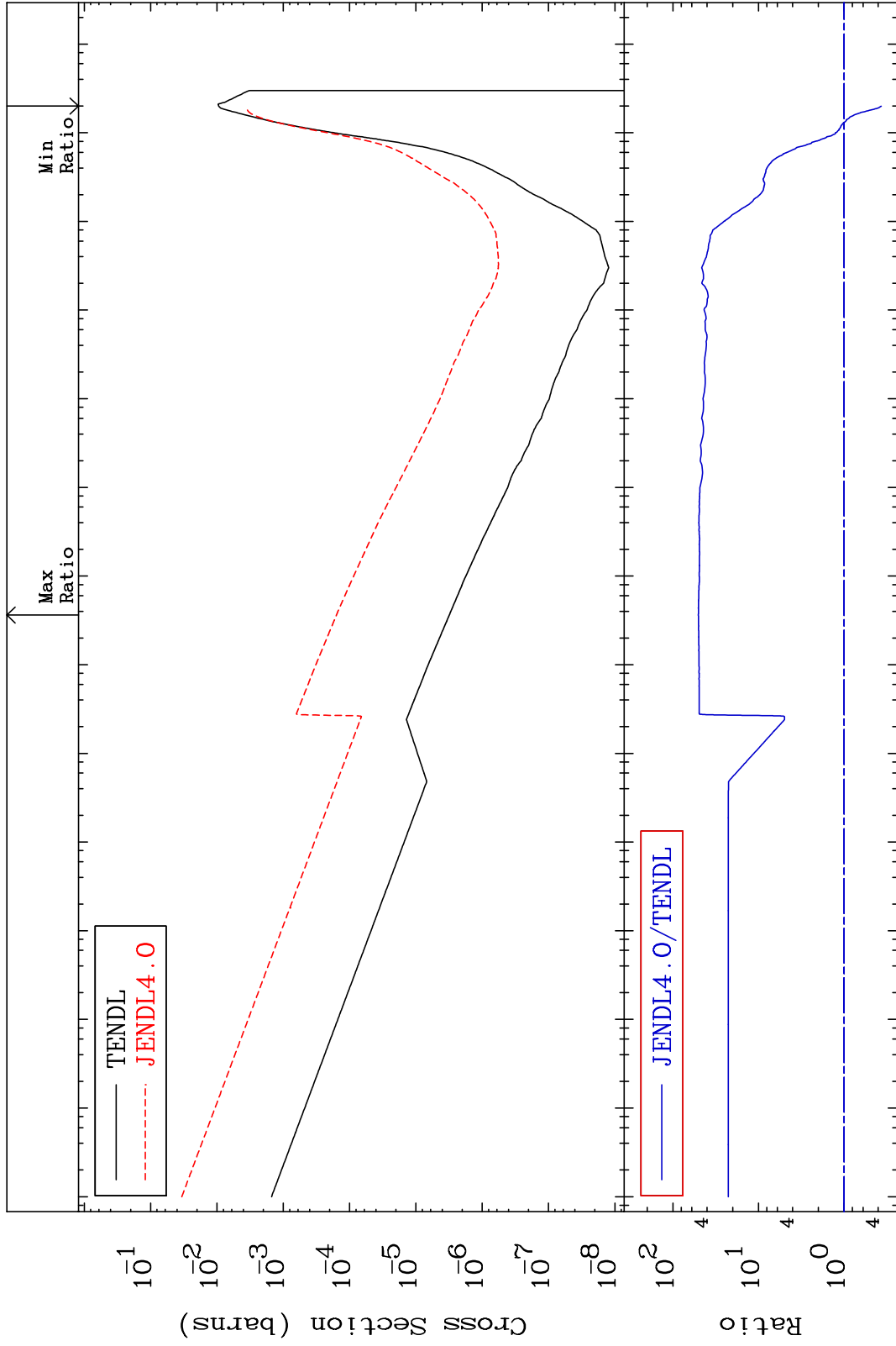
MAT 6640

(n,  $\alpha$ )

66-Dy-161

Cross Section

-63.55 To 4940. %



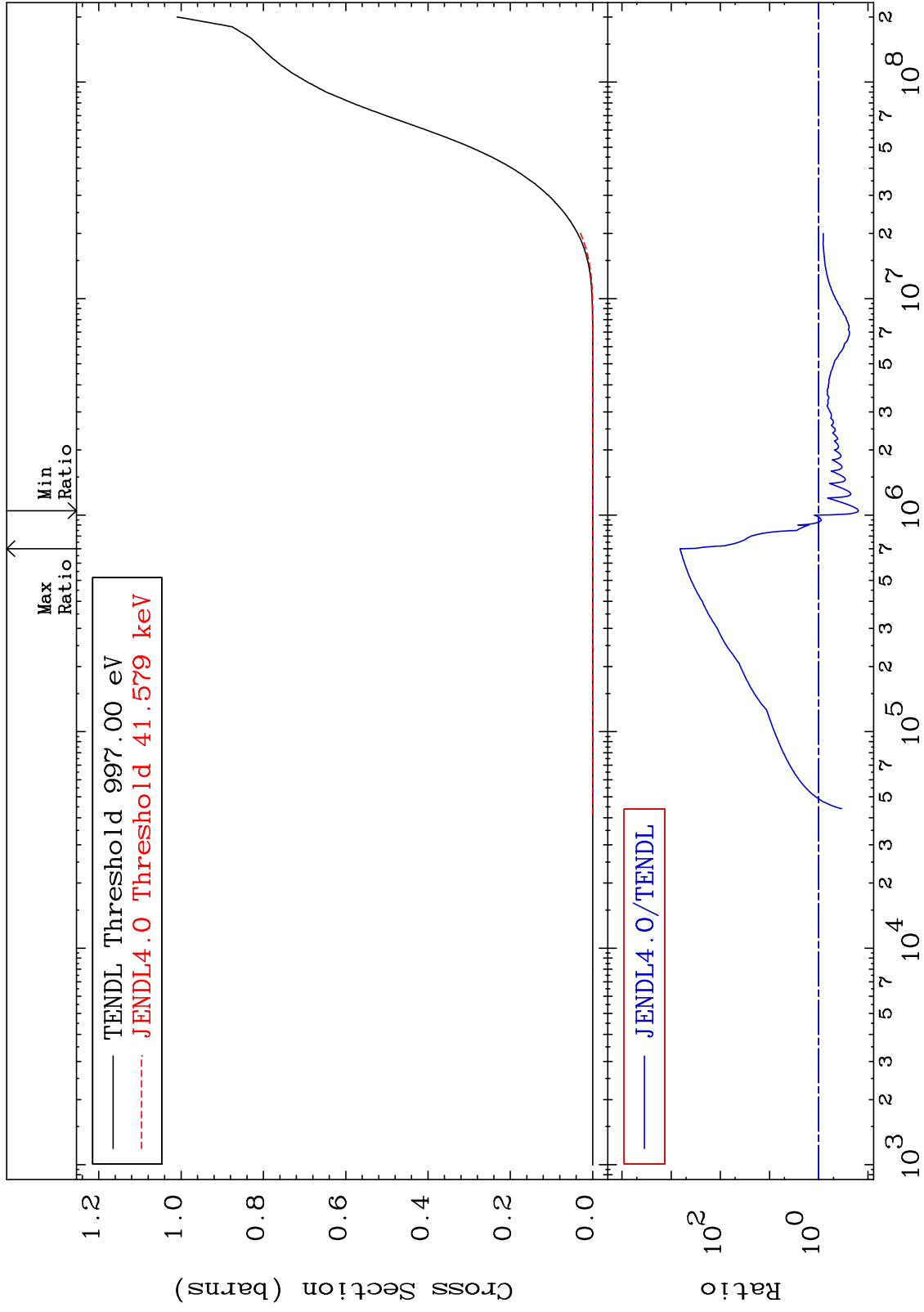
Incident Energy (eV)

66-Dy-161

MAT 6640

Hydrogen Production  
Cross Section

66-Dy-161  
-84.40 To 9999. %



49

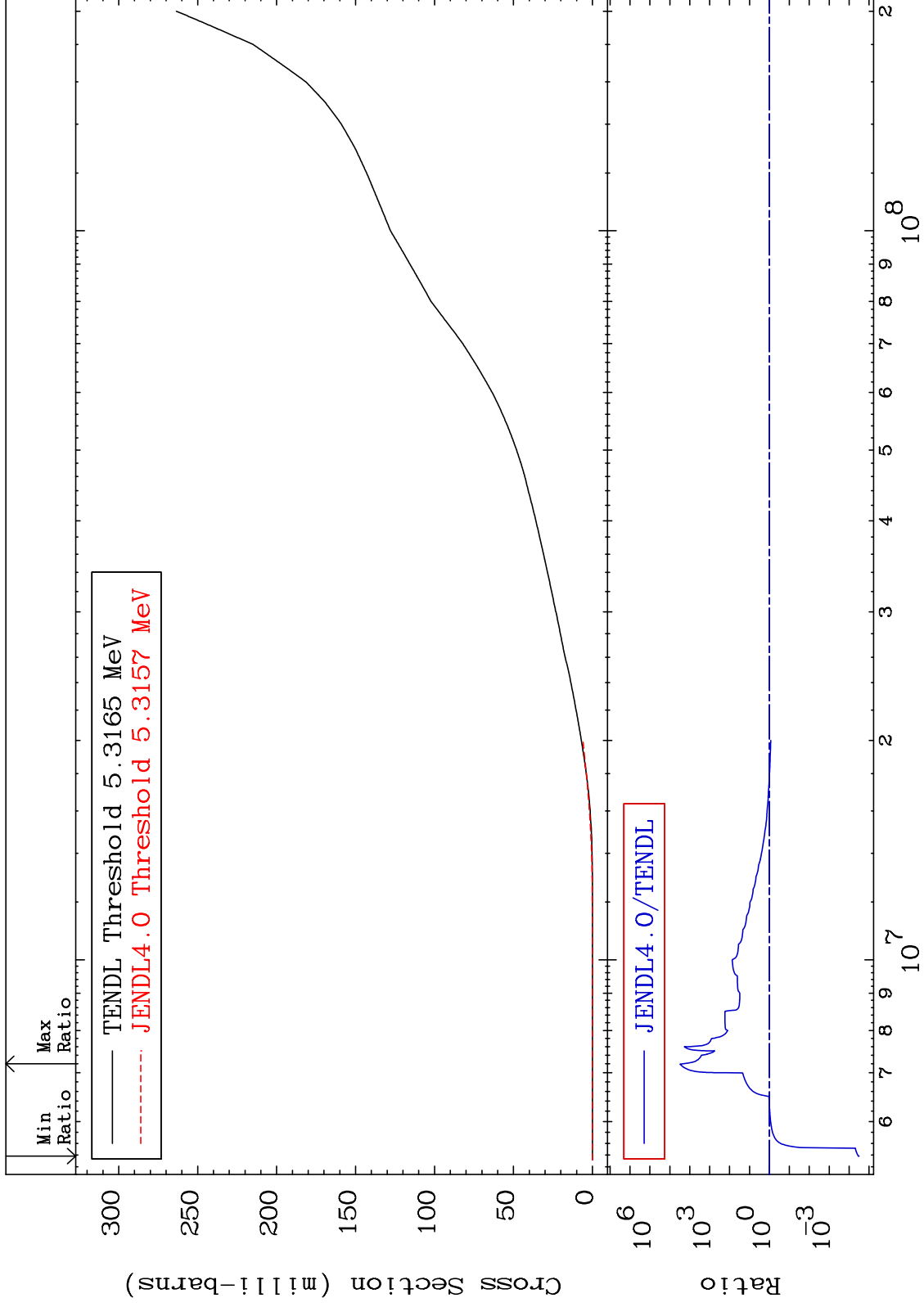
Incident Energy (eV)

66-Dy-161

MAT 6640

Deuterium Production  
Cross Section

66-Dy-161  
-100.0 To 9999. %



50

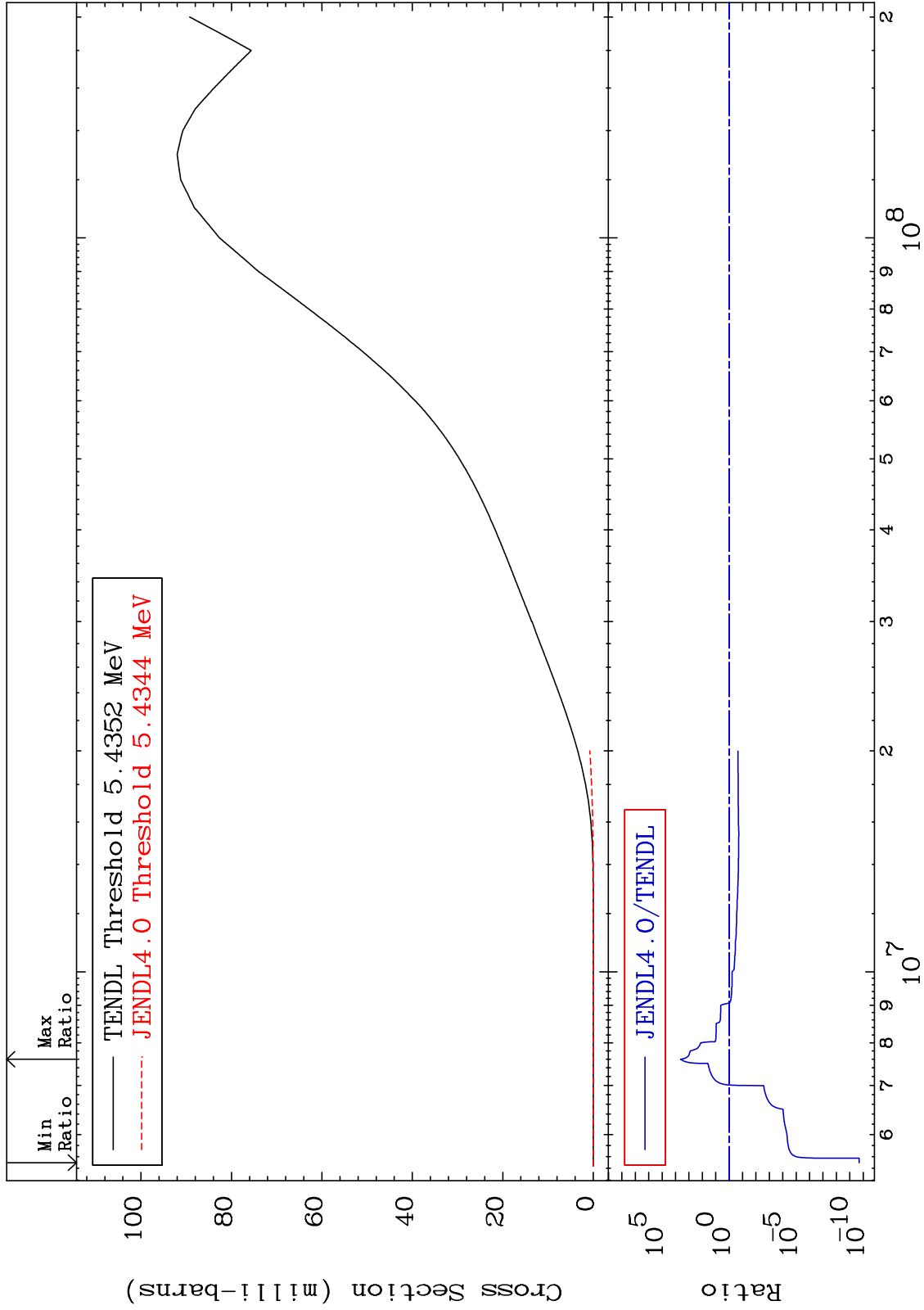
Incident Energy (eV)

66-Dy-161

MAT 6640

Tritium Production  
Cross Section

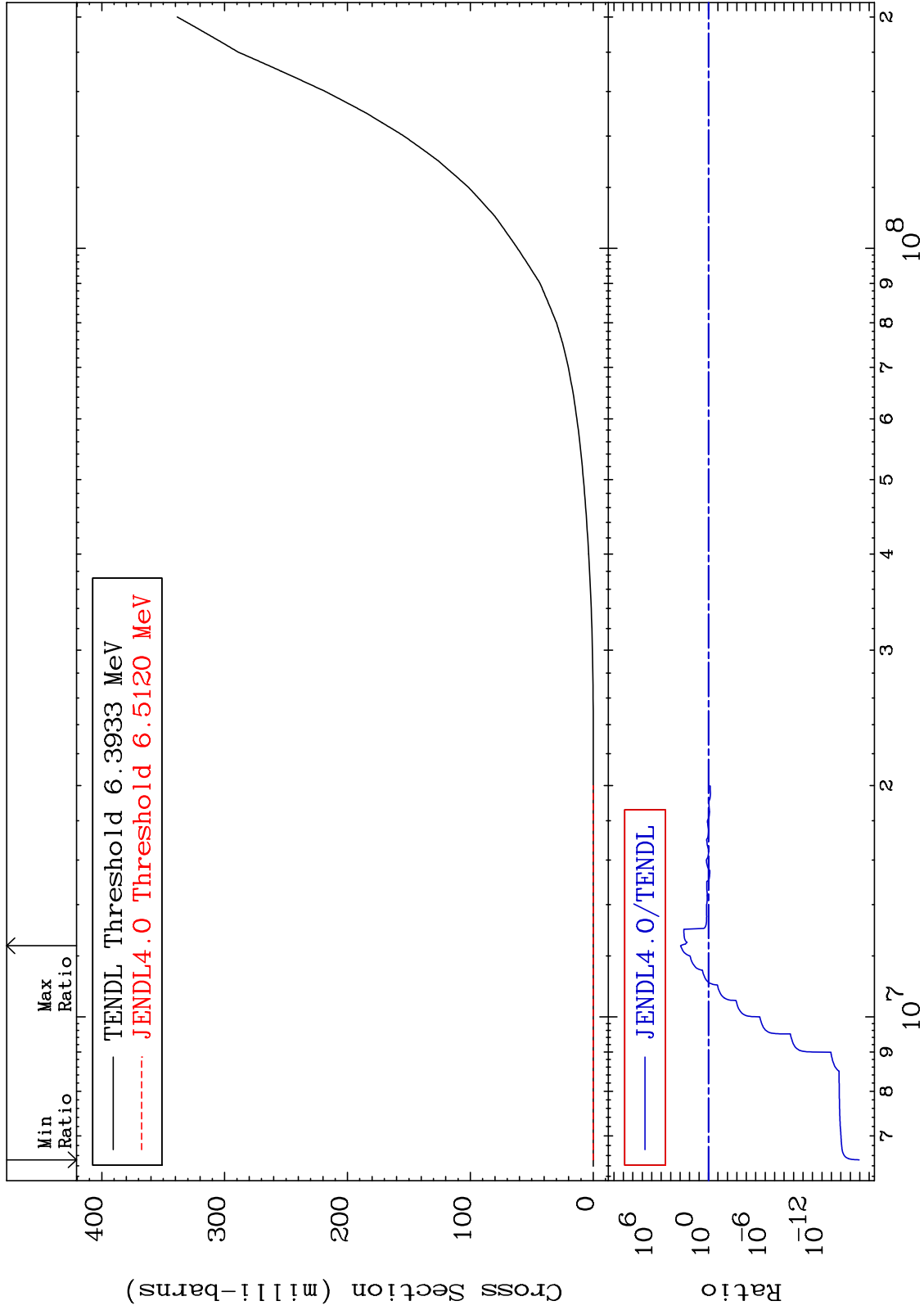
66-Dy-161  
-100.0 To 9999. %



MAT 6640

He-3 Production  
Cross Section

66-Dy-161  
-100.0 To 9999. %



52

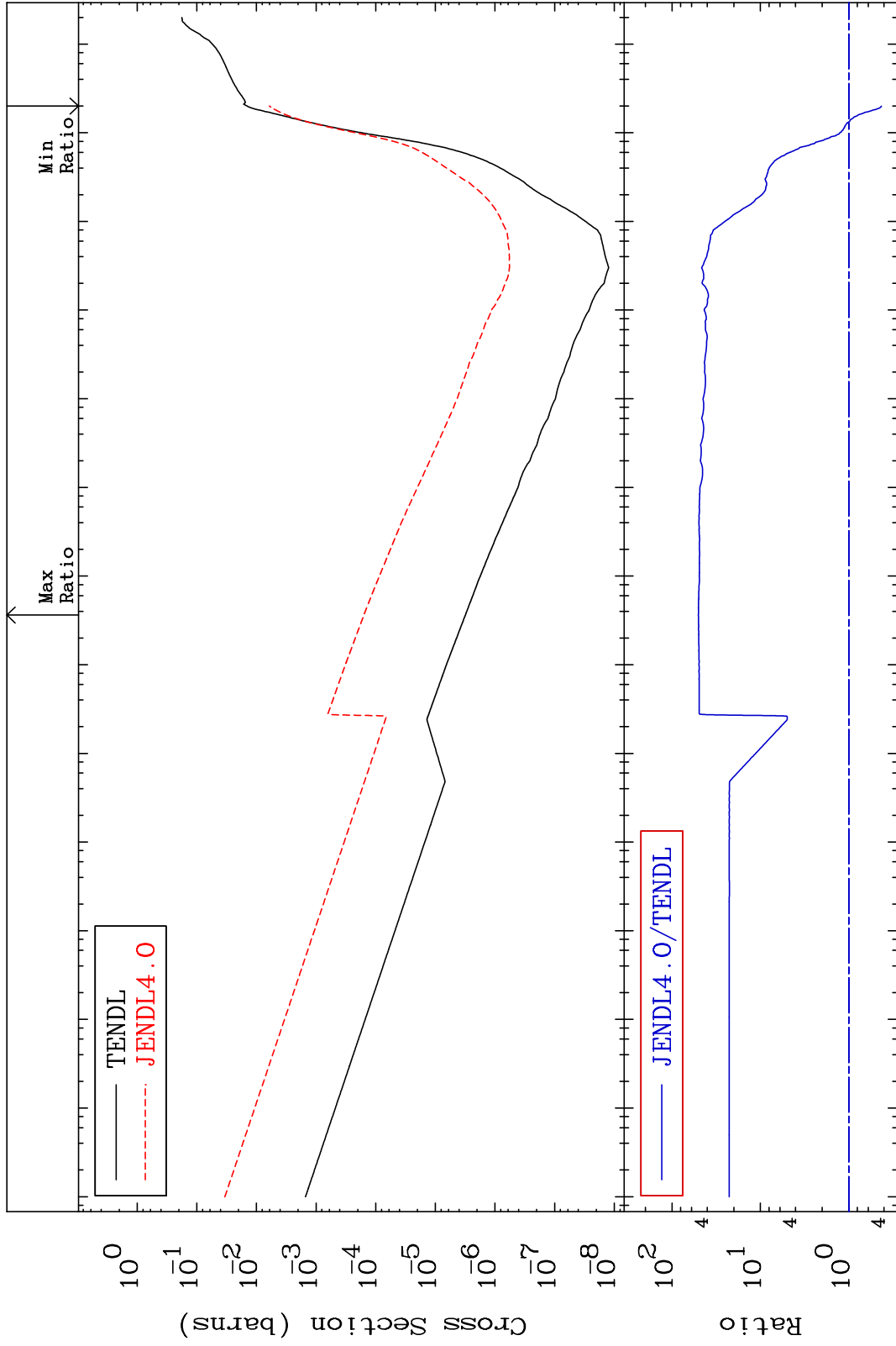
Incident Energy (eV)

66-Dy-161

MAT 6640

He-4 Production  
Cross Section

66-Dy-161  
-57.45 To 4940. %



53

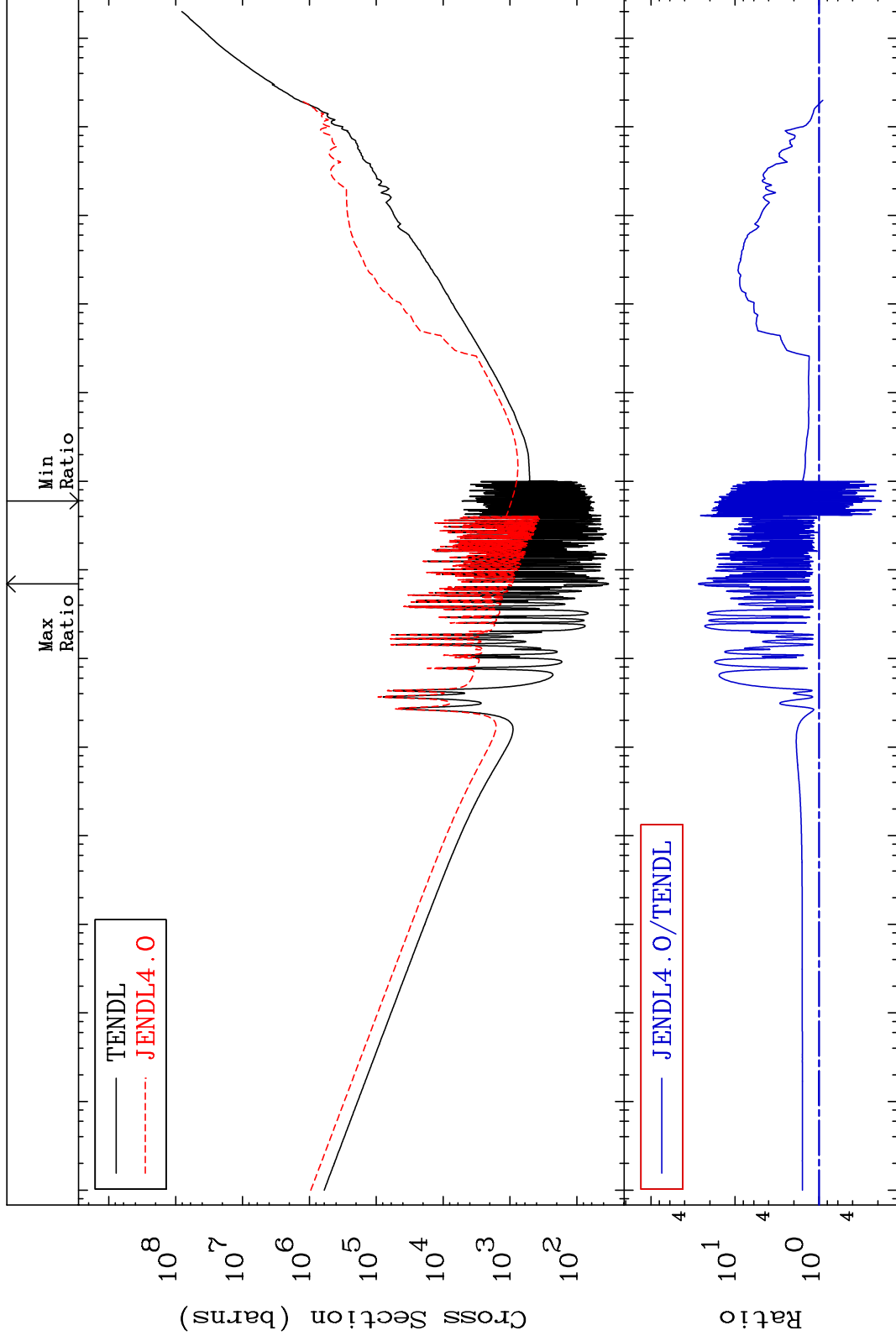
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma total (eV-barns)  
Cross Section

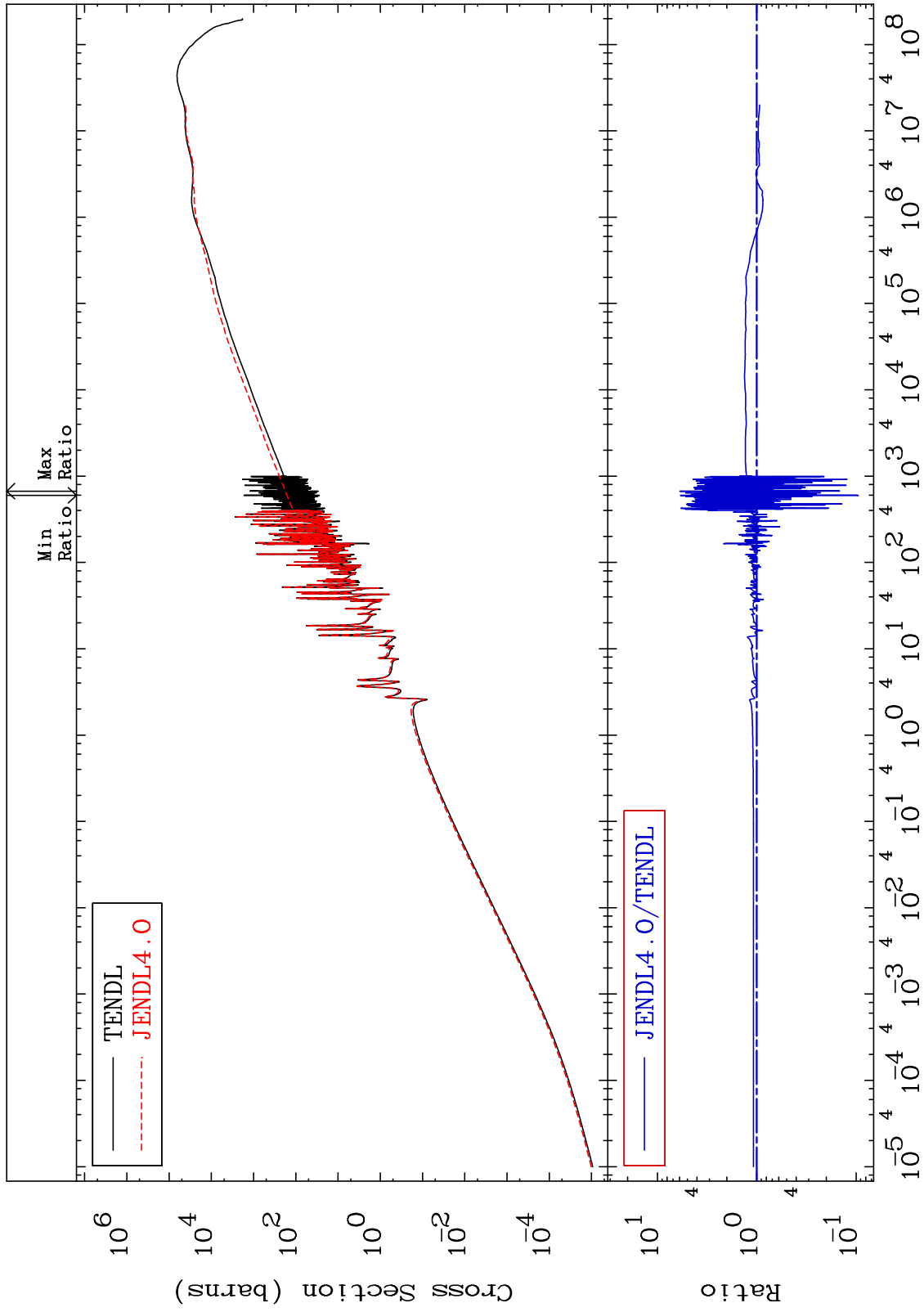
66-Dy-161  
-81.93 To 2638. %



MAT 6640

Kerma elastic  
Cross Section

66-Dy-161  
-90.52 To 493.2 %



55

Incident Energy (eV)

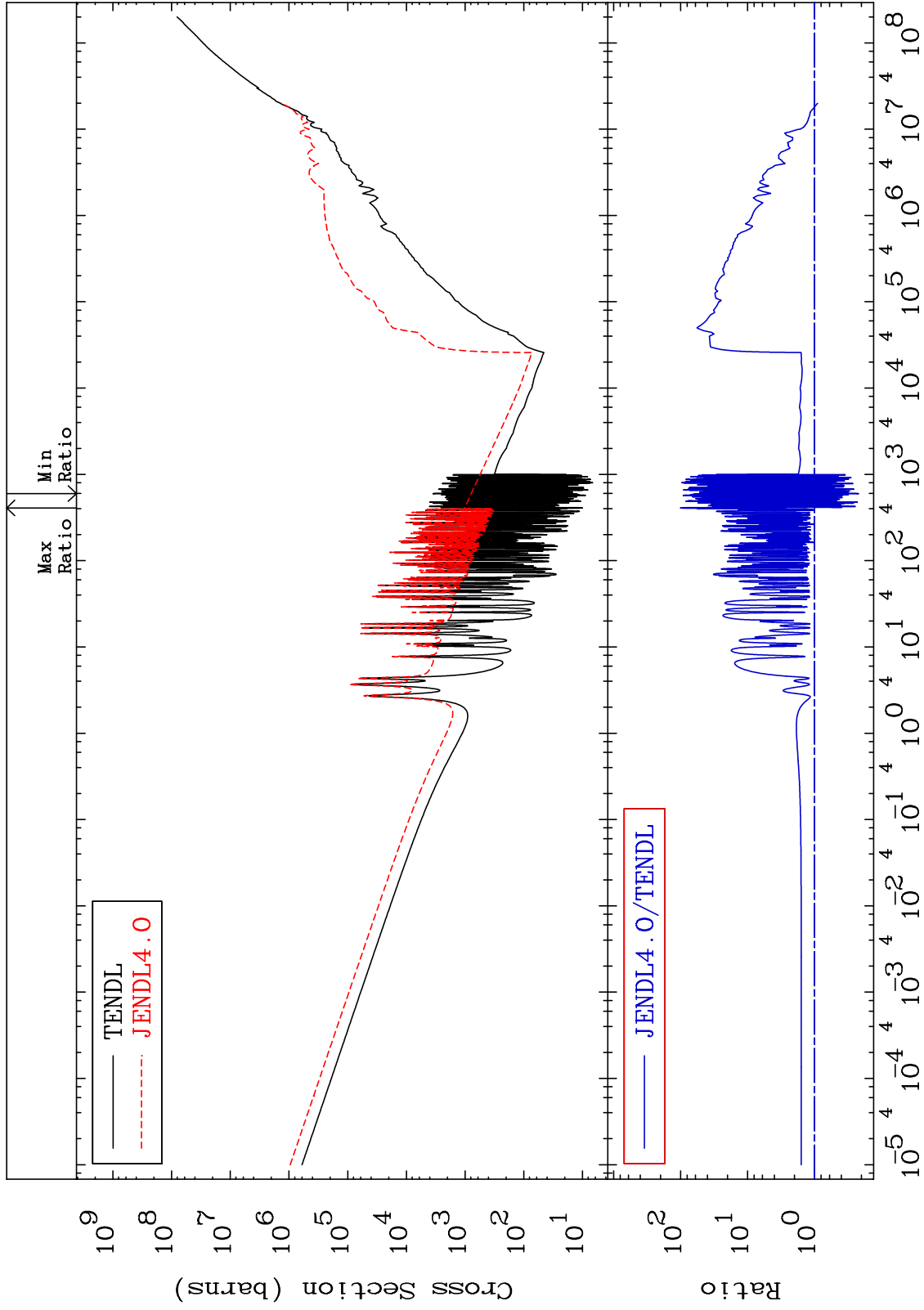
66-Dy-161



MAT 6640

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-161  
-77.82 To 9999. %



56

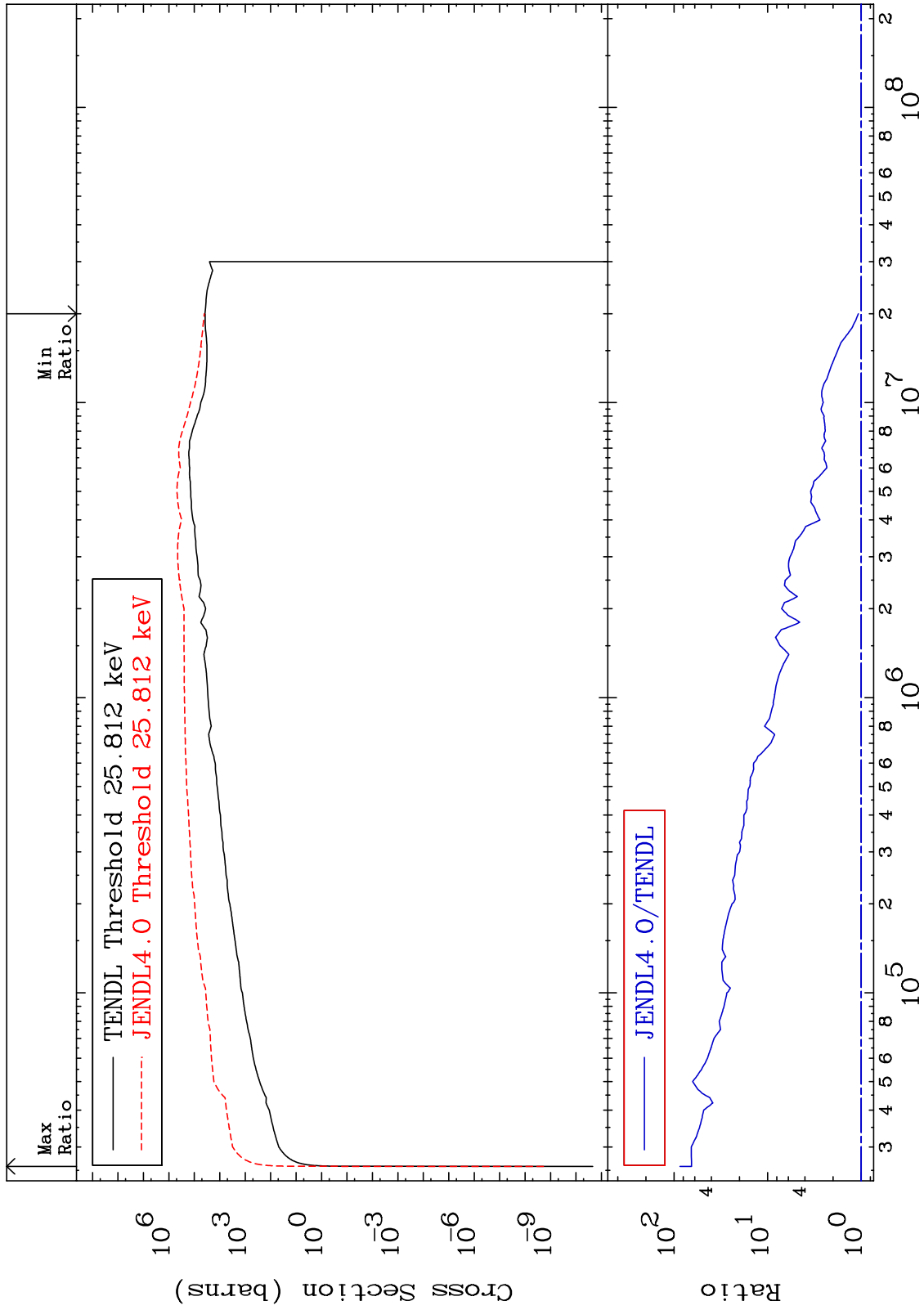
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma inelastic (mt51-91)  
Cross Section

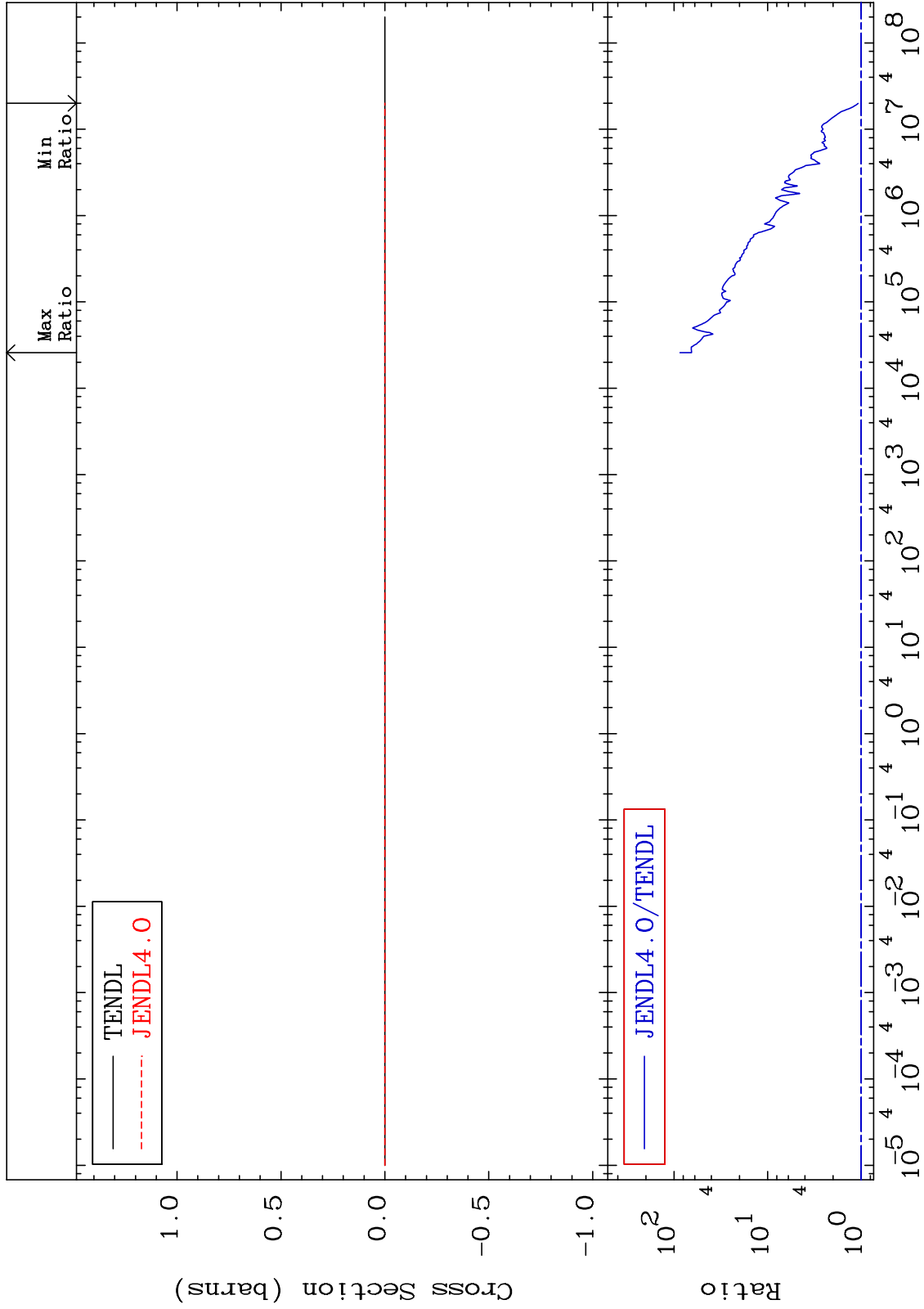
66-Dy-161  
7.266 To 8549. %



MAT 6640

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

66-Dy-161  
7.266 To 8549. %



58

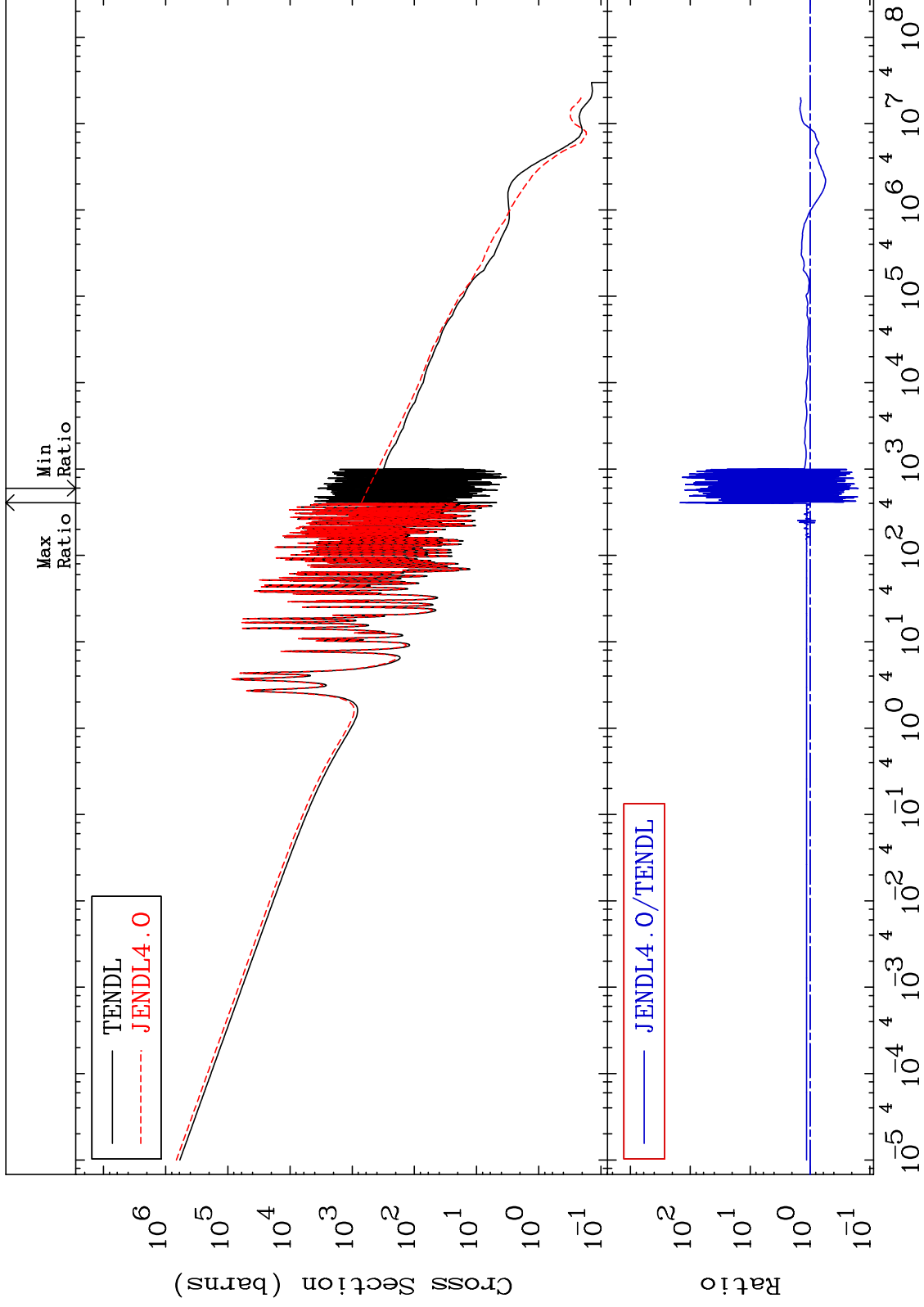
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma capture (mt102)  
Cross Section

66-Dy-161  
-84.43 To 9999. %



59

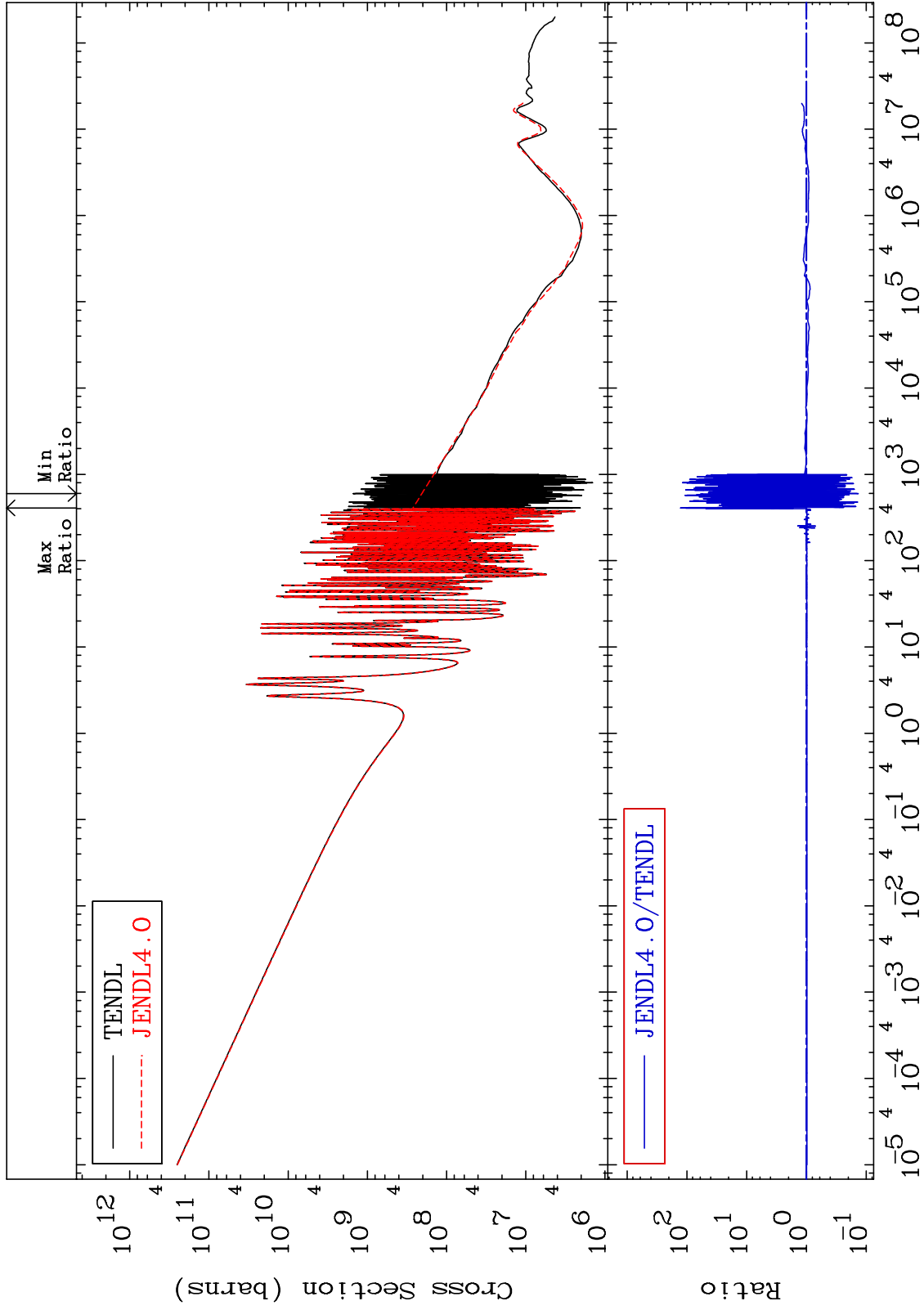
Incident Energy (eV)

66-Dy-161

MAT 6640

Total photon (eV-barns)  
Cross Section

66-Dy-161  
-86.46 To 9999. %



60

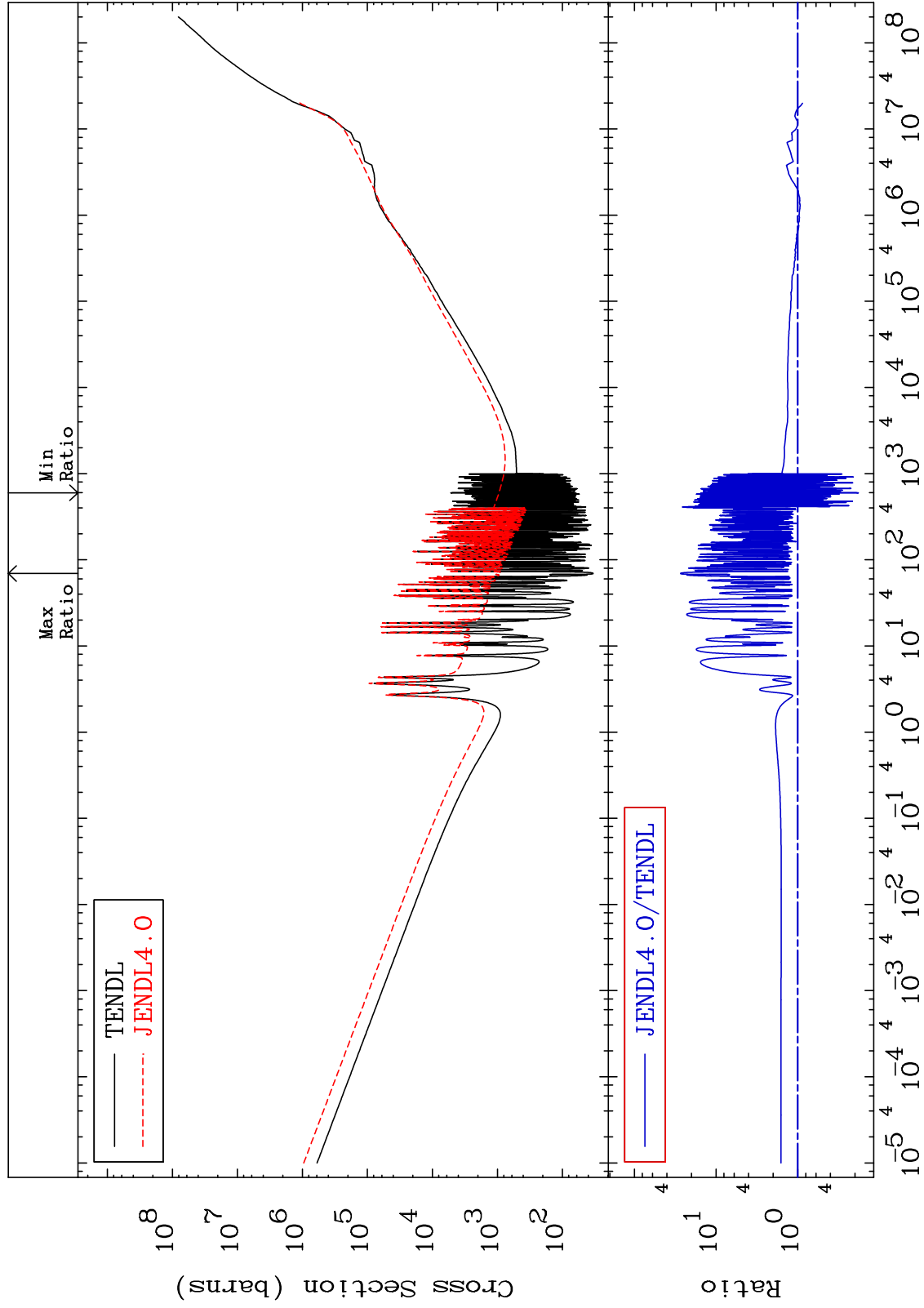
Incident Energy (eV)

66-Dy-161

MAT 6640

Total kinematic kerma (high limit)  
Cross Section

66-Dy-161  
-81.93 To 2632. %



61

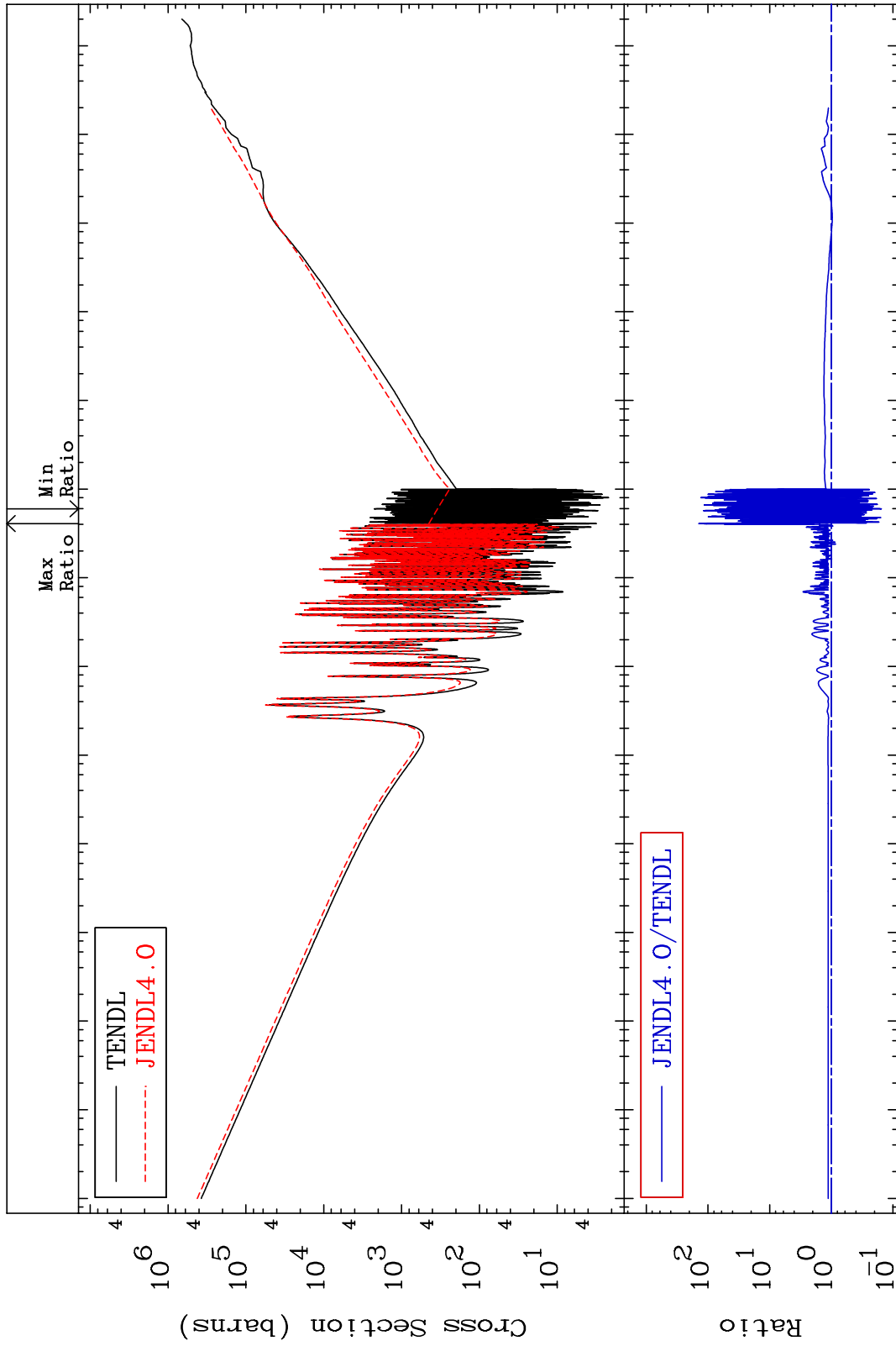
Incident Energy (eV)

66-Dy-161

MAT 6640

Dpa total (eV-barns)  
Cross Section

66-Dy-161  
-84.65 To 9999. %



62

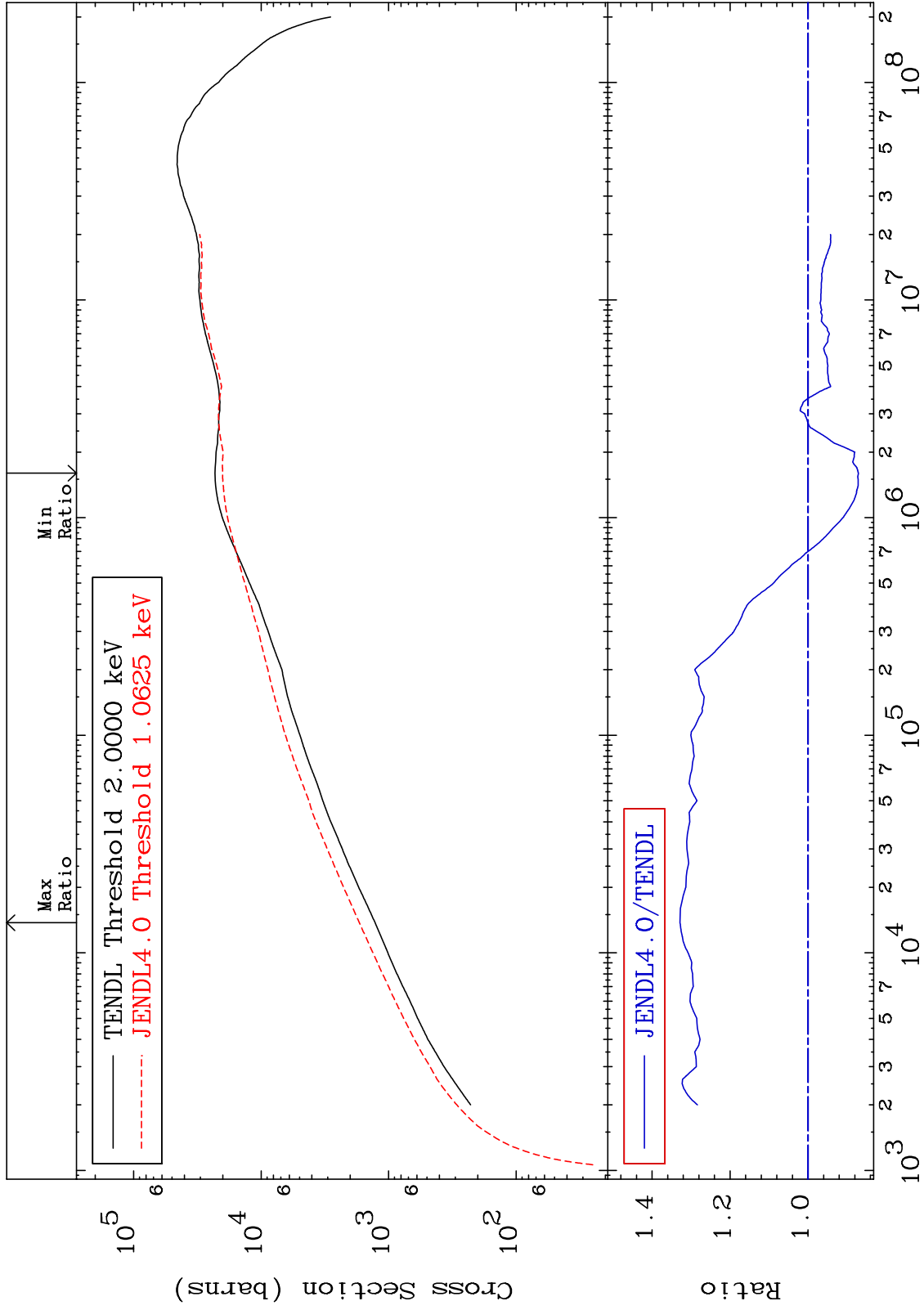
Incident Energy (eV)

66-Dy-161

MAT 6640

Dpa elastic (mt2)  
Cross Section

66-Dy-161  
-12.91 To 32.85 %



63

Incident Energy (eV)

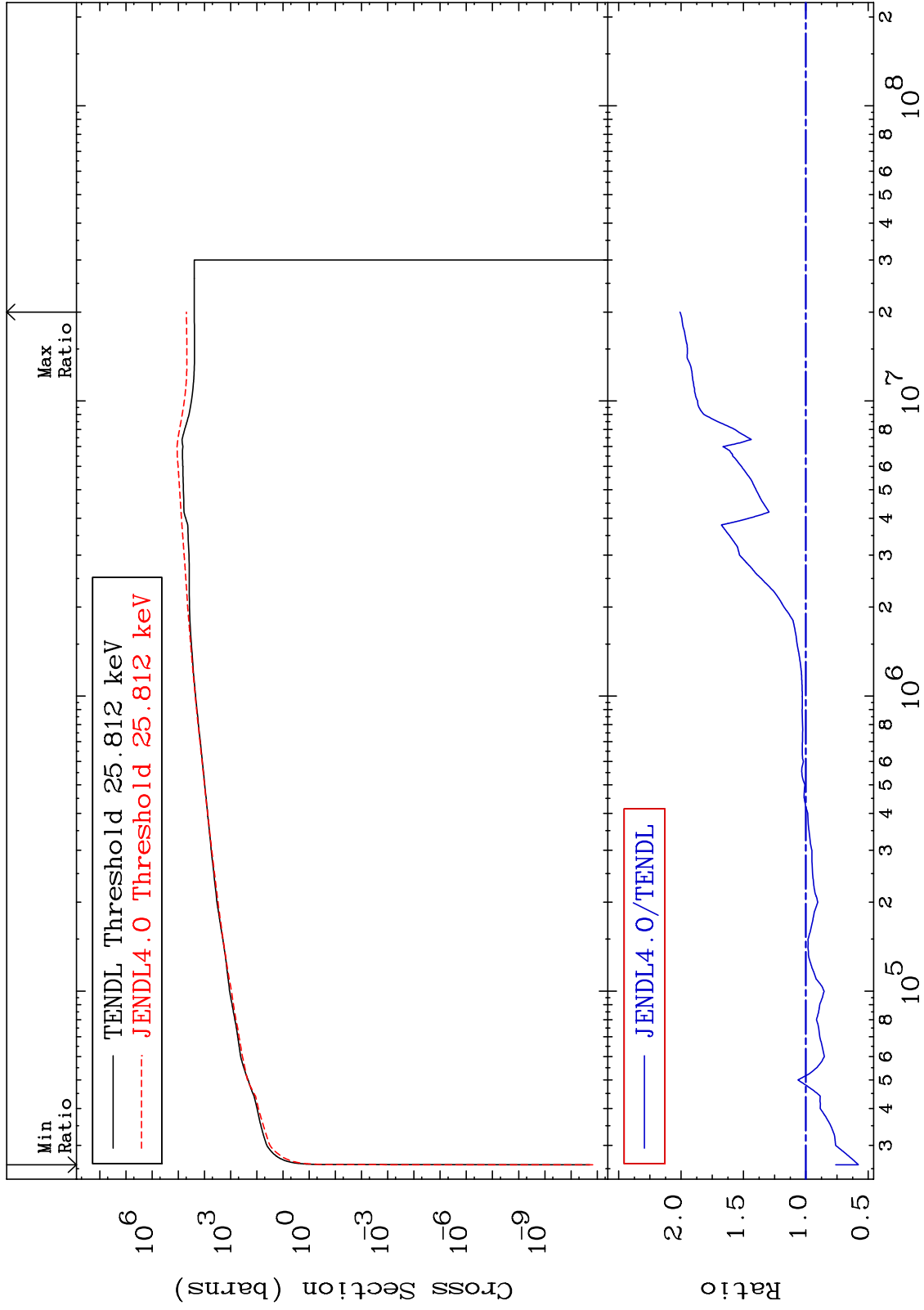
66-Dy-161



MAT 6640

Dpa inelastic (mt51-91)  
Cross Section

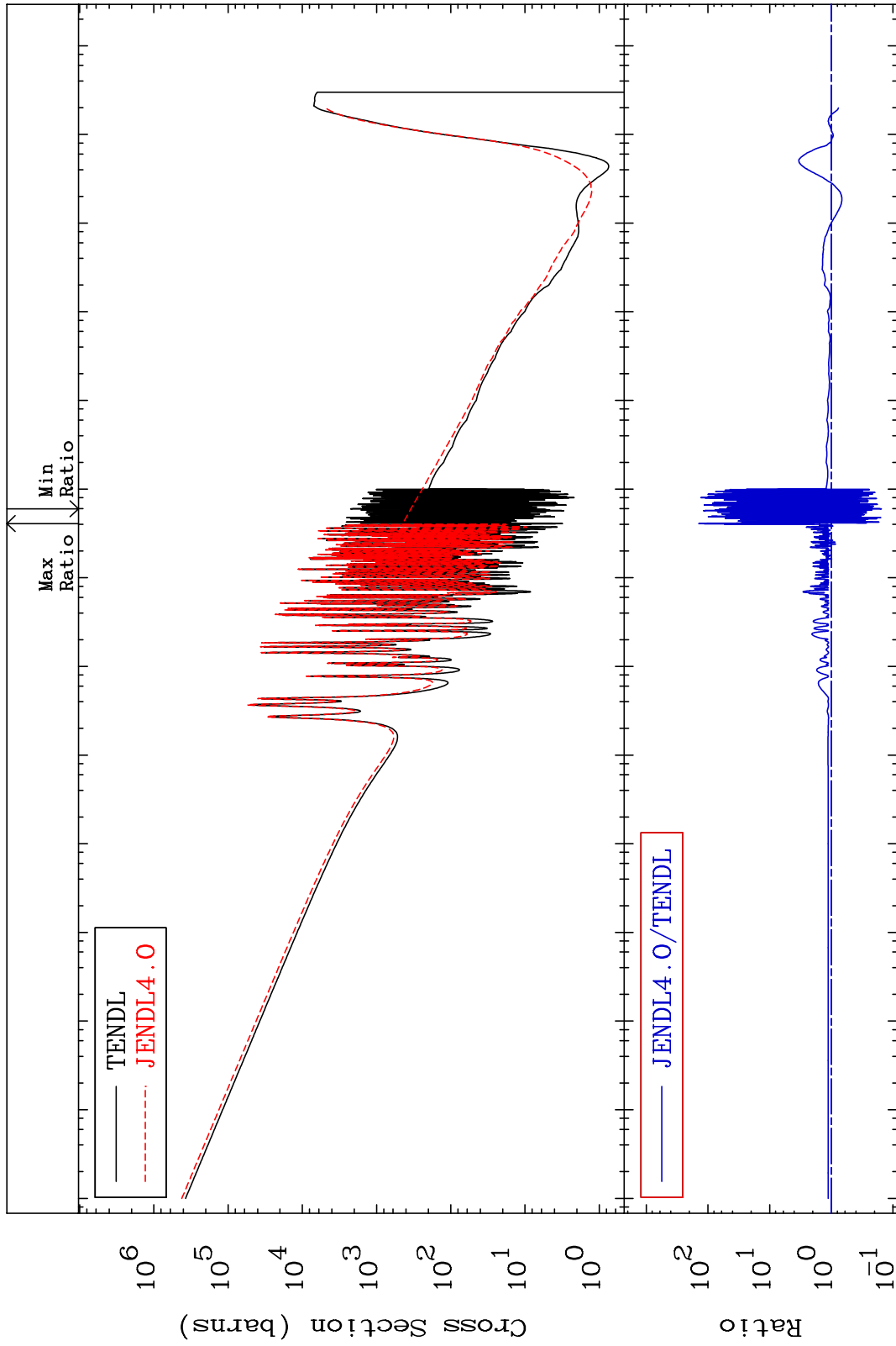
66-Dy-161  
-42.12 To 100.8 %



MAT 6640

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-161  
-84.65 To 9999. %



65

Incident Energy (eV)

66-Dy-161