

Program Complot  
(Version 2018-1)

by

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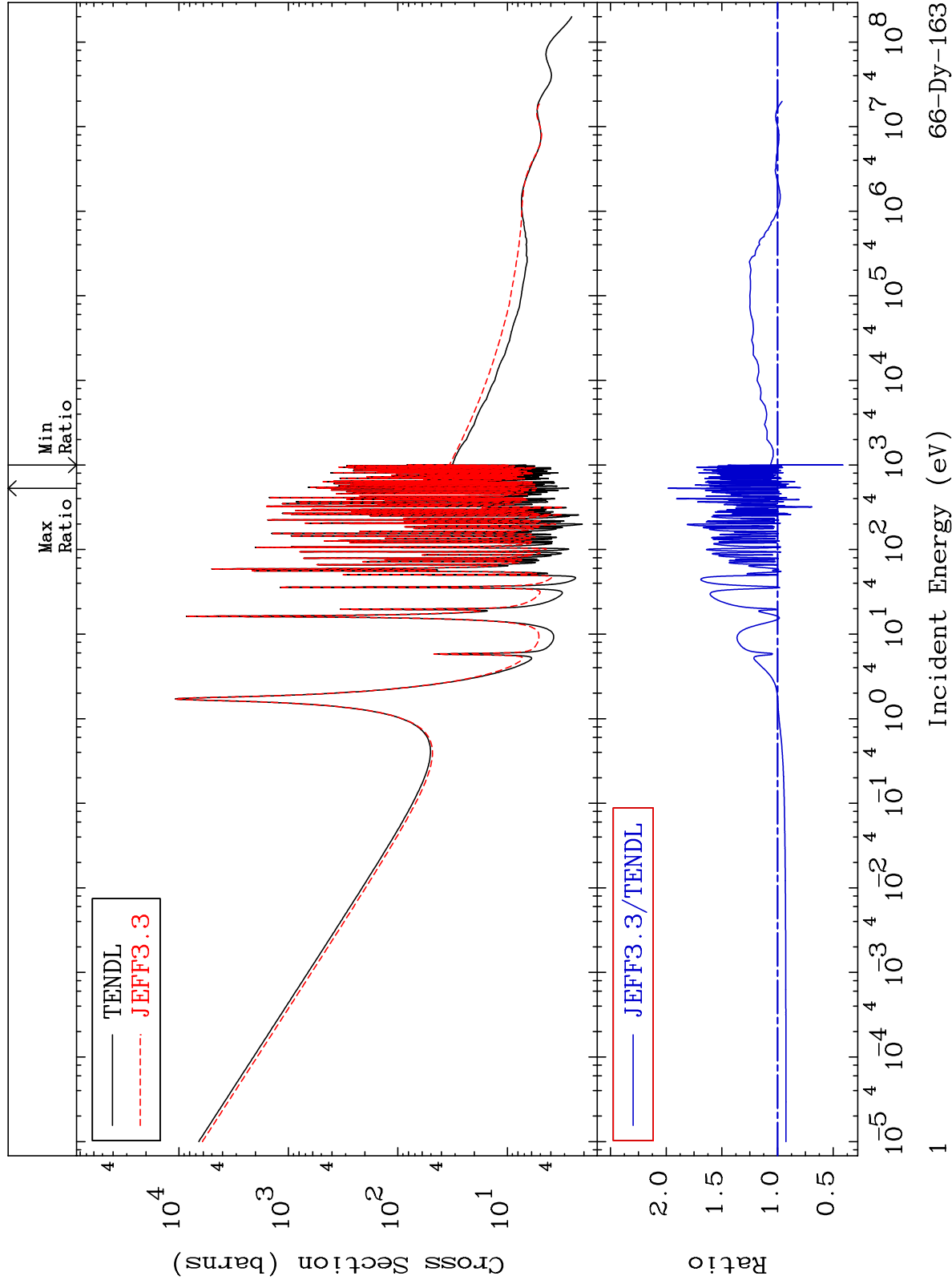
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6646

Total  
Cross Section

66-Dy-163  
-58.59 To 98.38 %



66-Dy-163

Incident Energy (eV)

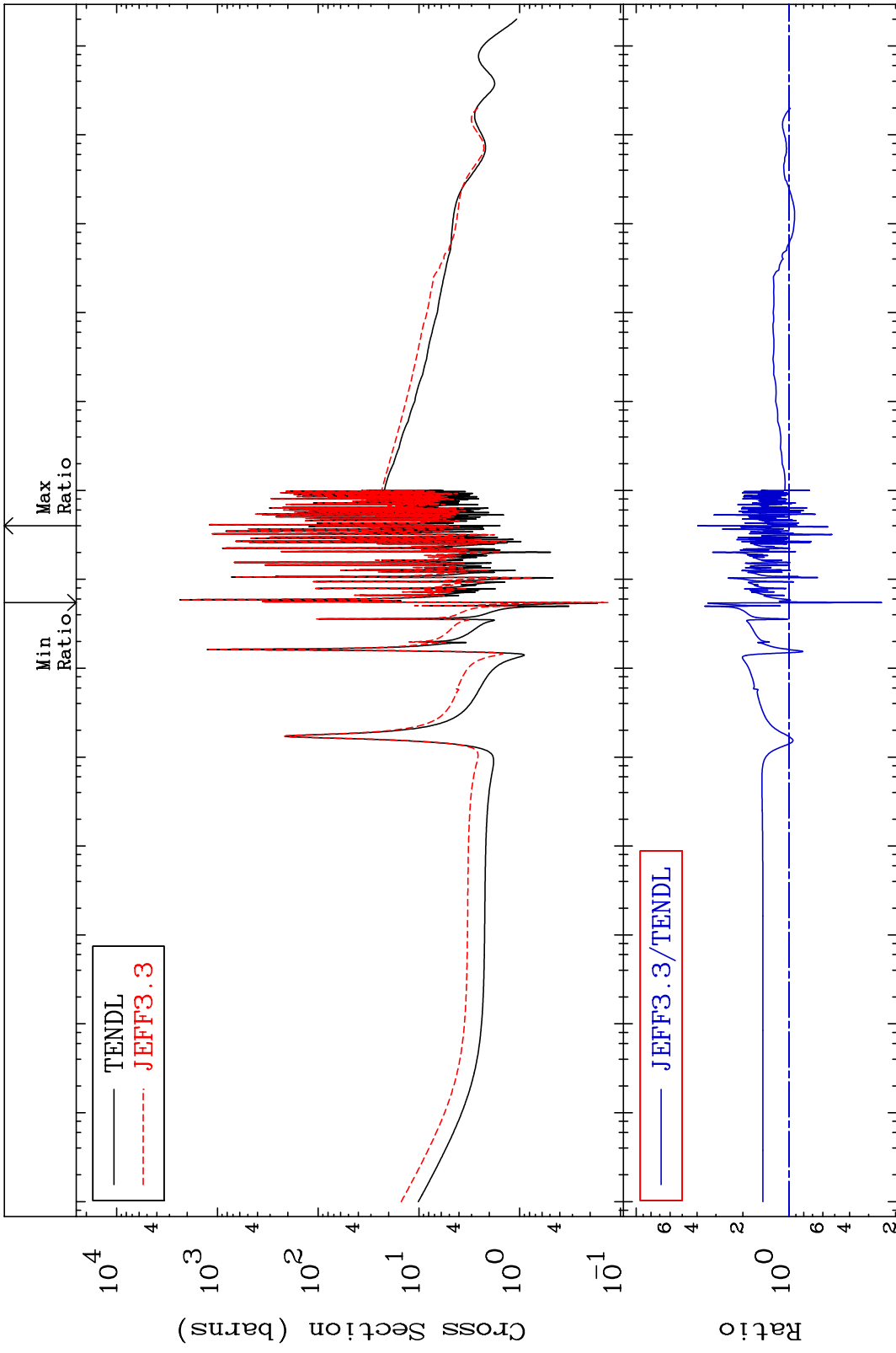
MAT 6646

Elastic

66-Dy-163

Cross Section

-75.27 To 294.9 %



Incident Energy (eV)

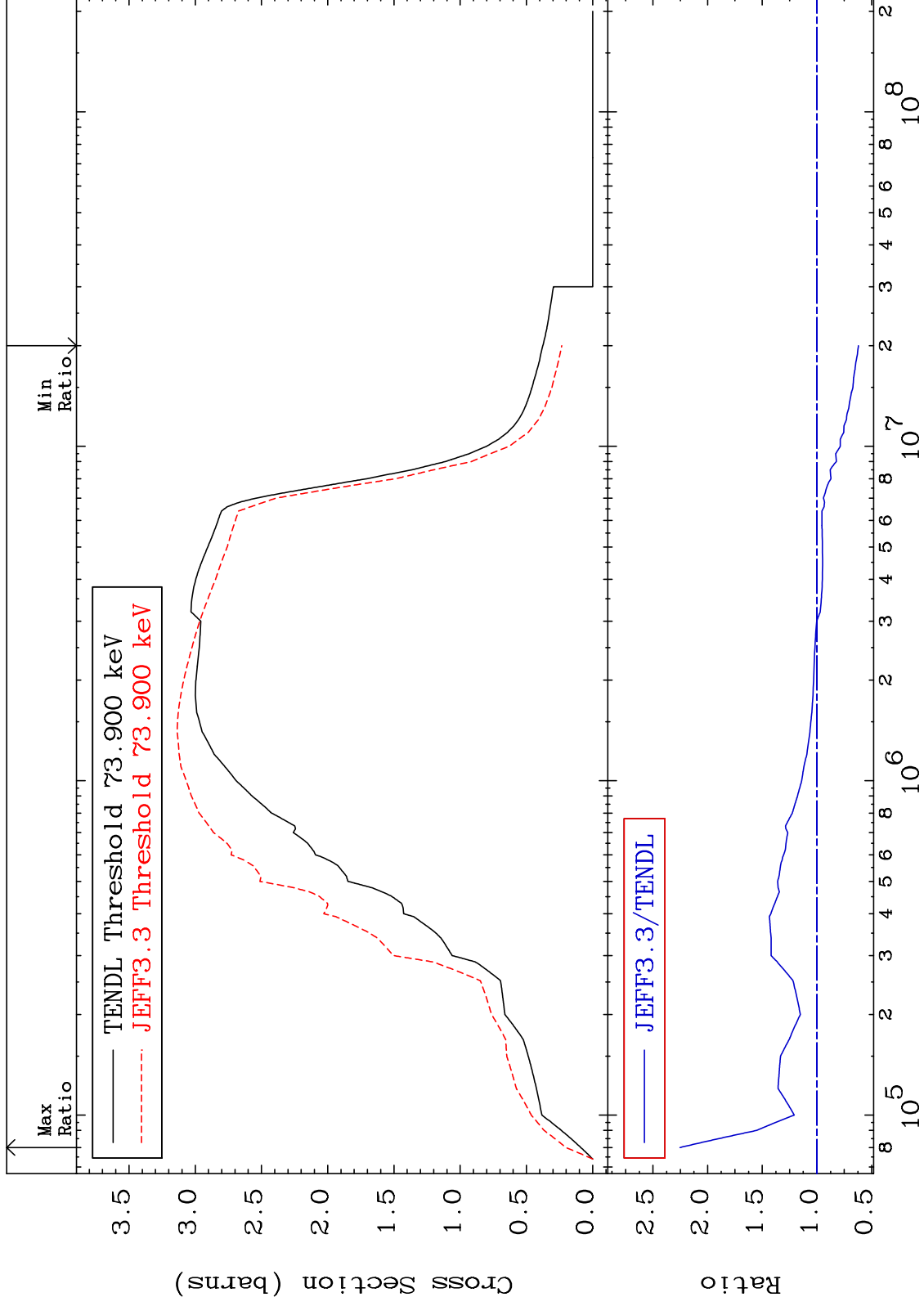
66-Dy-163

2

MAT 6646

Inelastic  
Cross Section

66-Dy-163  
-37.92 To 125.2 %



3

Incident Energy (eV)

66-Dy-163

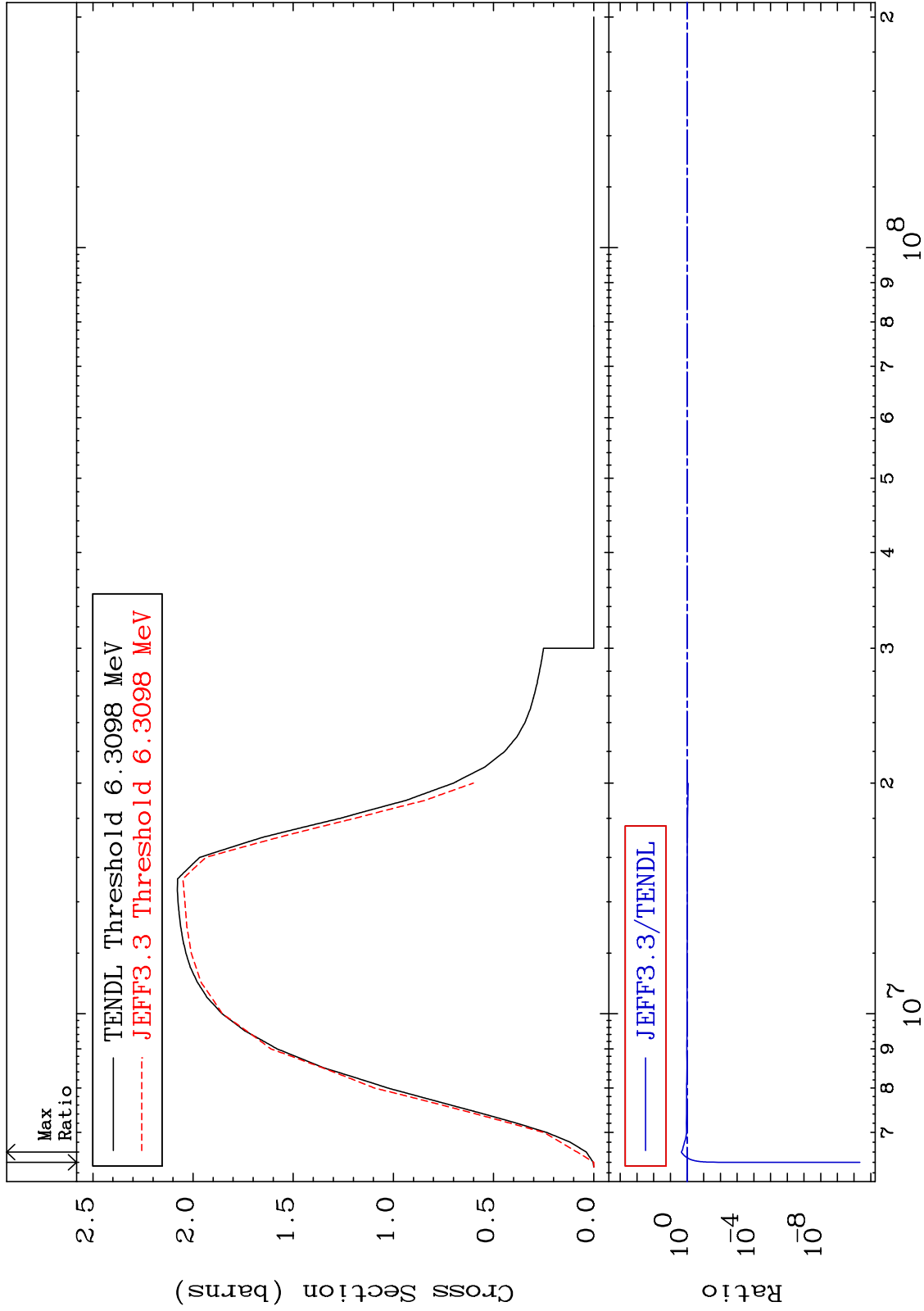
MAT 6646

(n, 2n)

66-Dy-163

Cross Section

-100.0 To 123.4 %



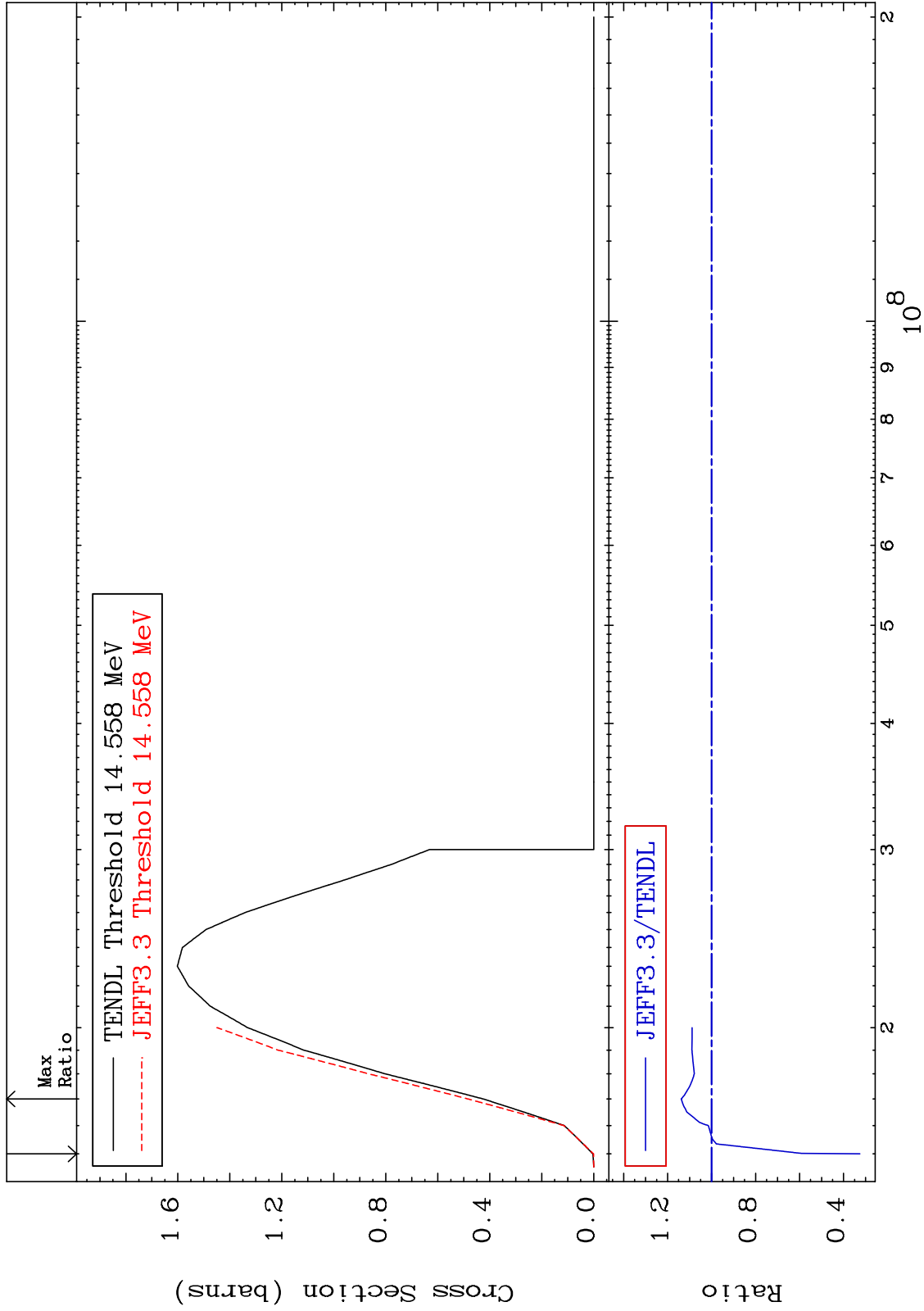
MAT 6646

(n,3n)

66-Dy-163

Cross Section

-67.44 To 13.80 %



5

Incident Energy (eV)

66-Dy-163

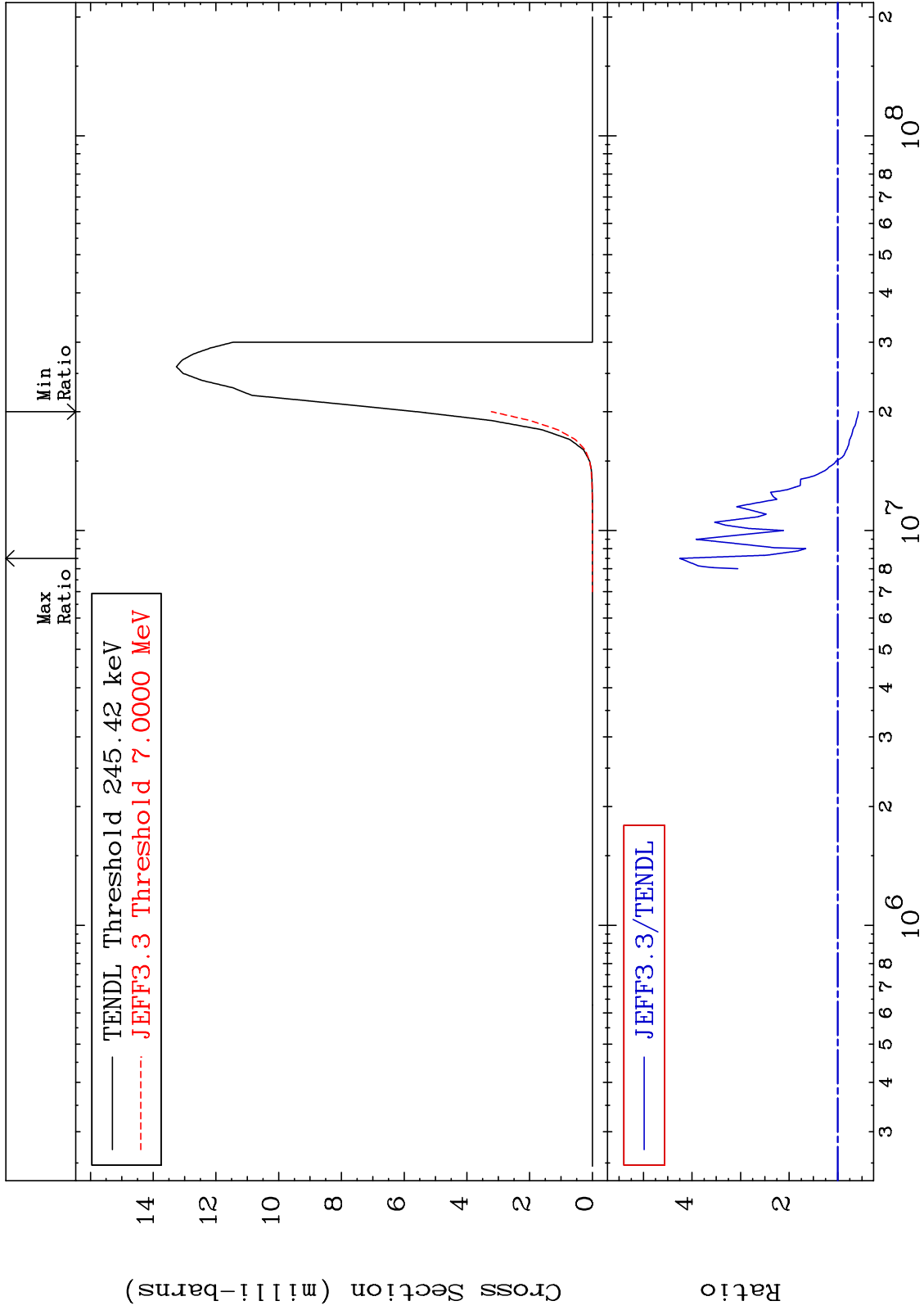
MAT 6646

(n, n')  $\alpha$

66-Dy-163

Cross Section

-42.56 To 325.1 %



6

Incident Energy (eV)

66-Dy-163

MAT 6646

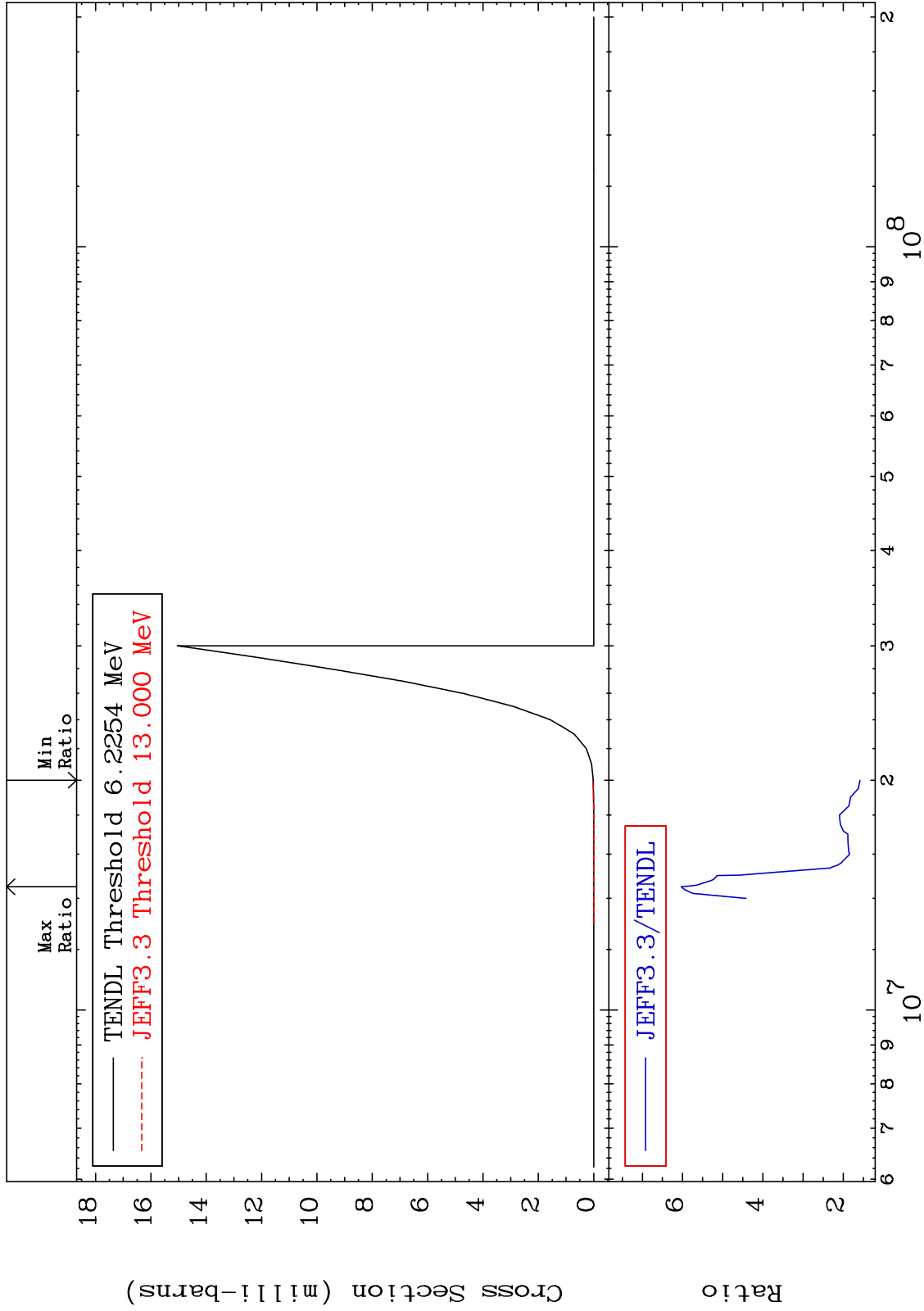
(n,2n)  $\alpha$

66-Dy-163

Cross Section

58.36

To 503.3 %



7

Incident Energy (eV)

66-Dy-163



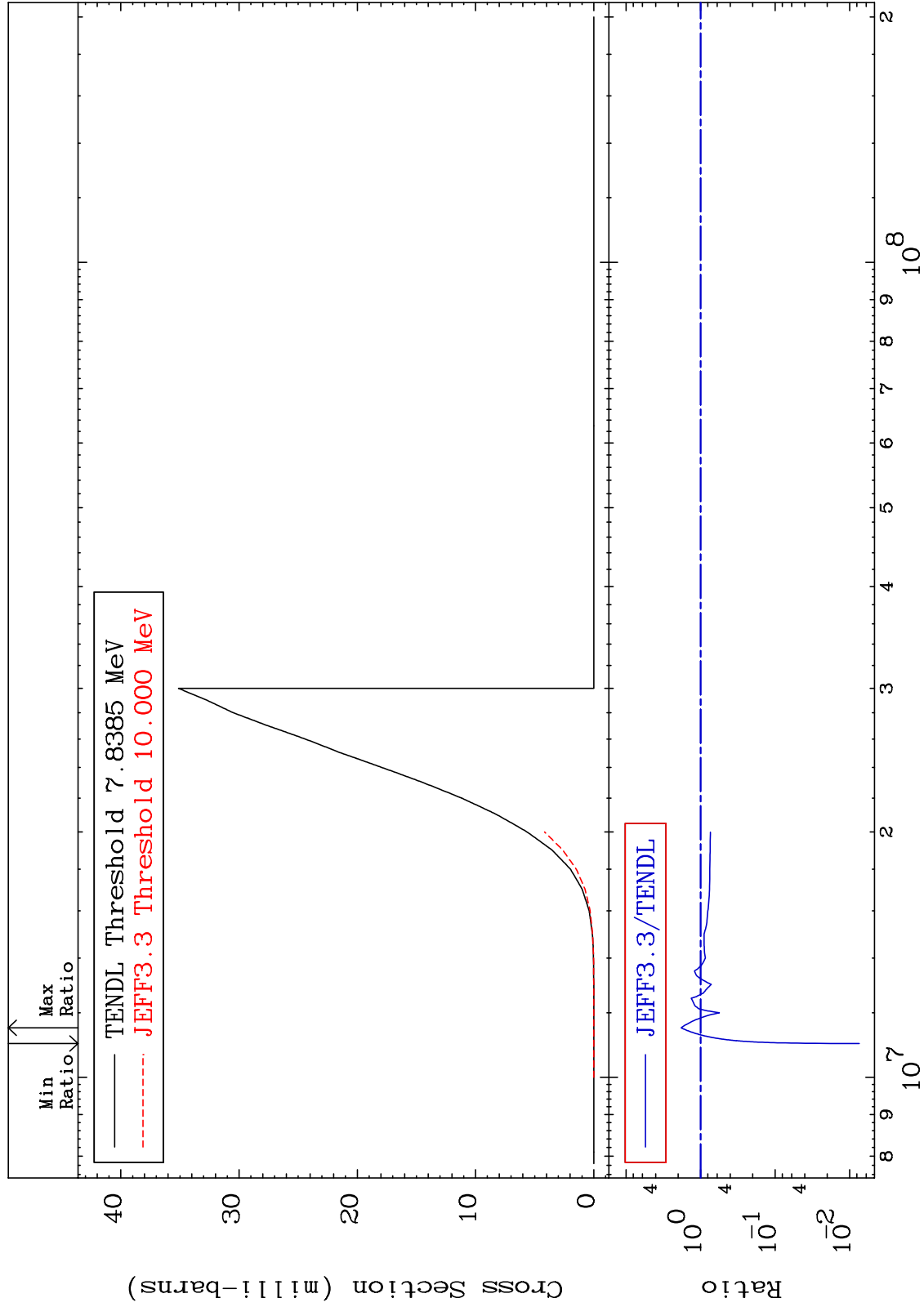
MAT 6646

(n,n') p

66-Dy-163

Cross Section

-99.26 To 82.51 %



8

Incident Energy (eV)

66-Dy-163

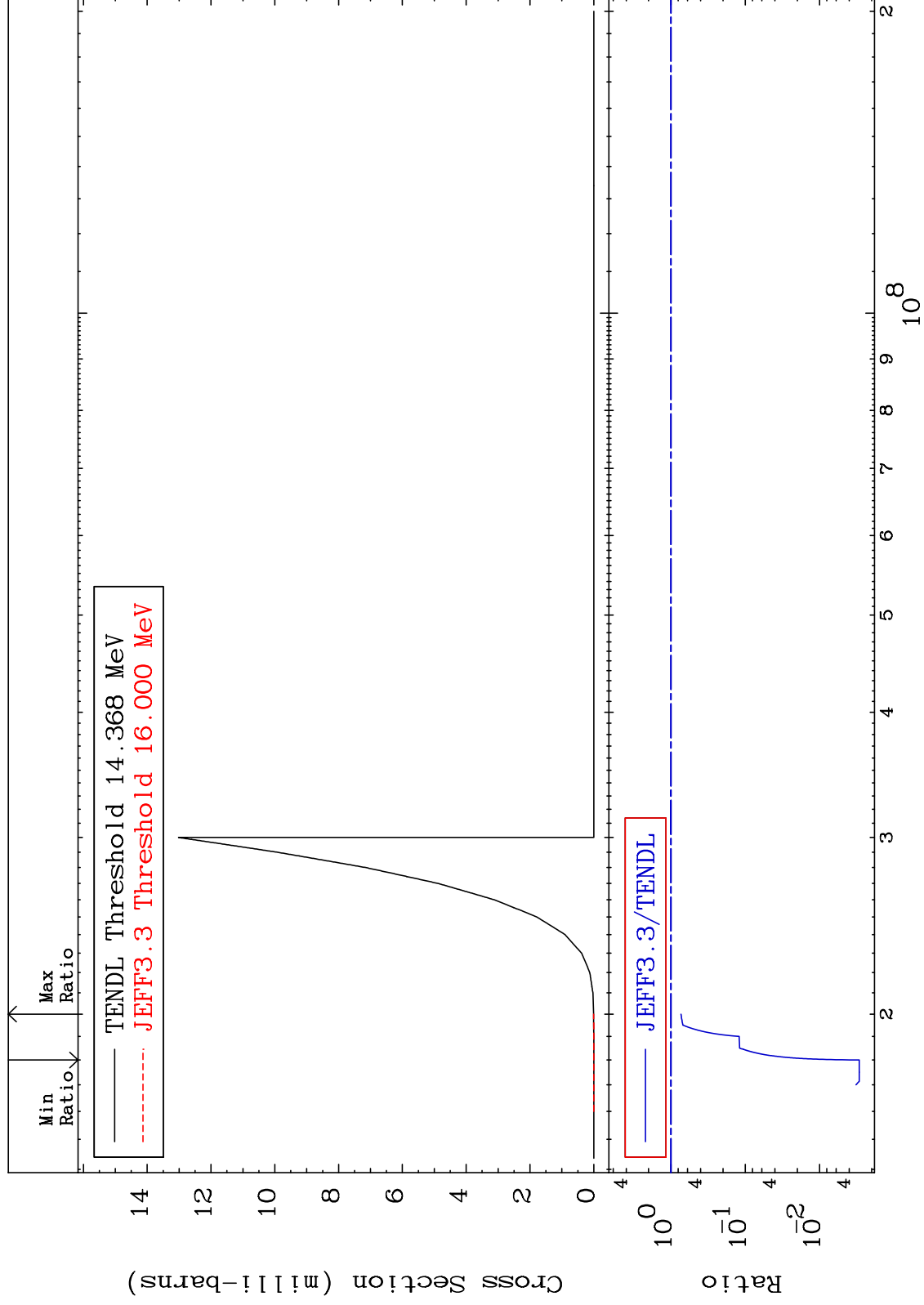
MAT 6646

(n,2n) p

66-Dy-163

Cross Section

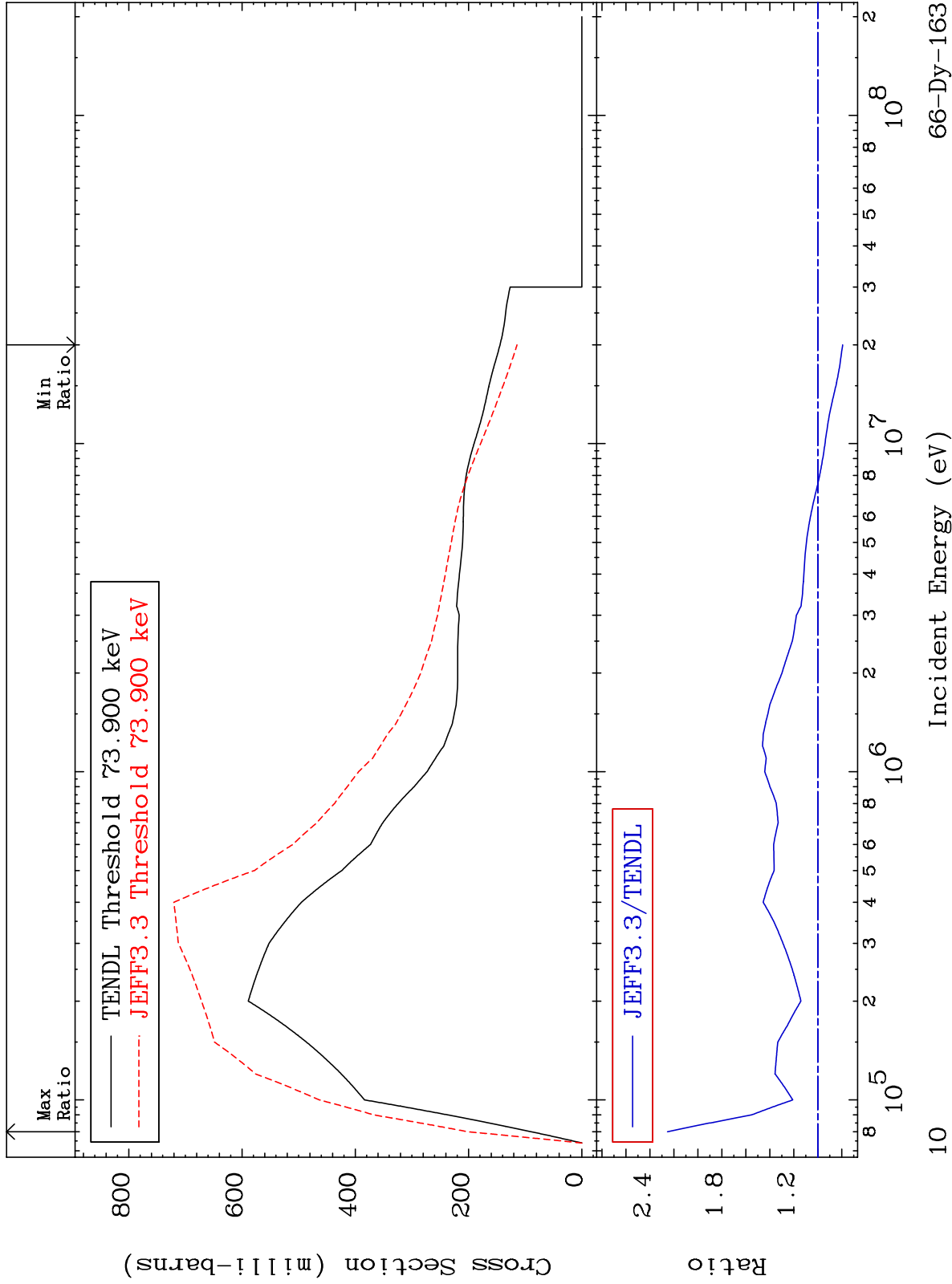
-99.71 To -26.83%



MAT 6646

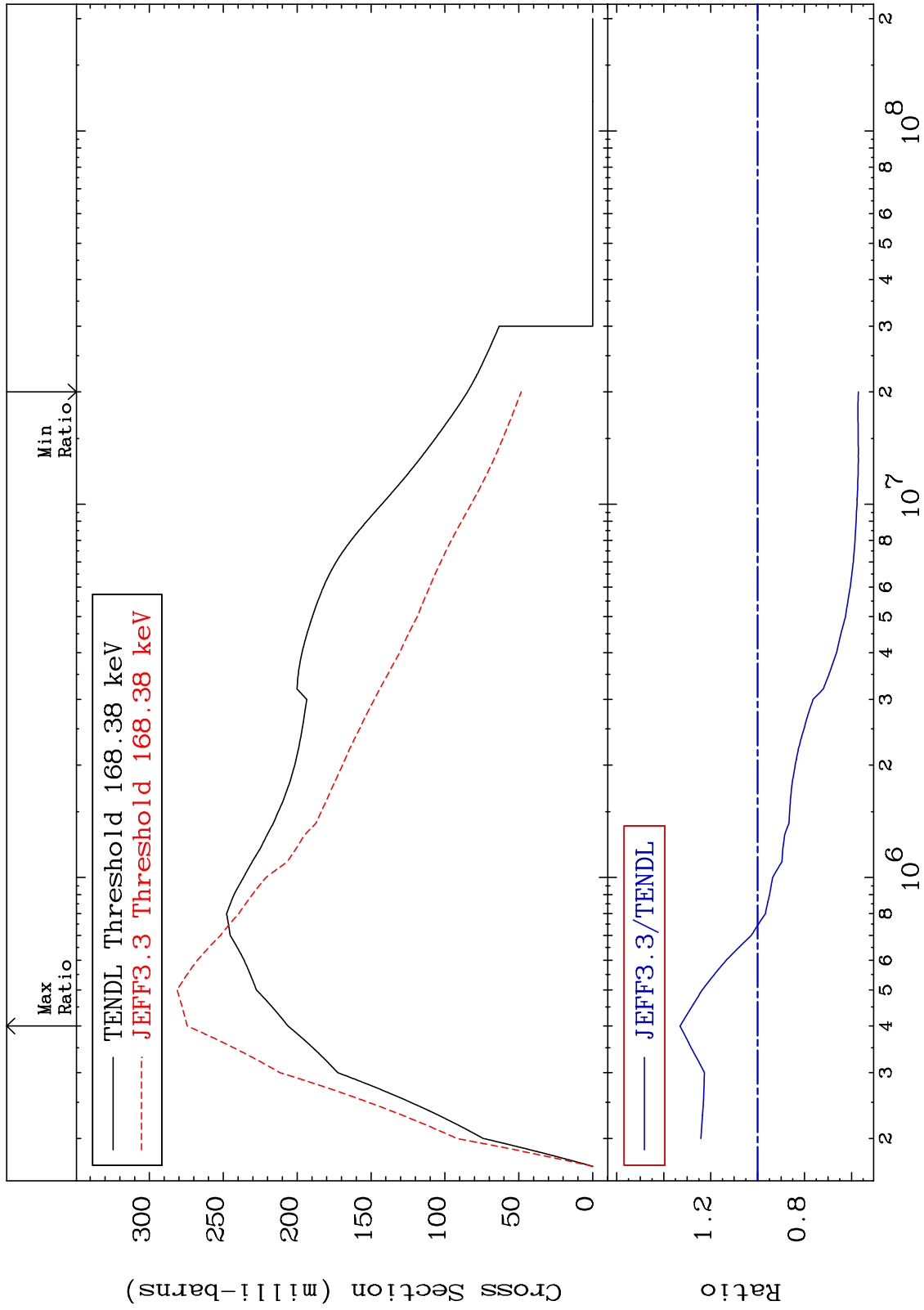
MT= 51 (n,n') Level  
Cross Section

66-Dy-163  
-20.77 To 125.2 %

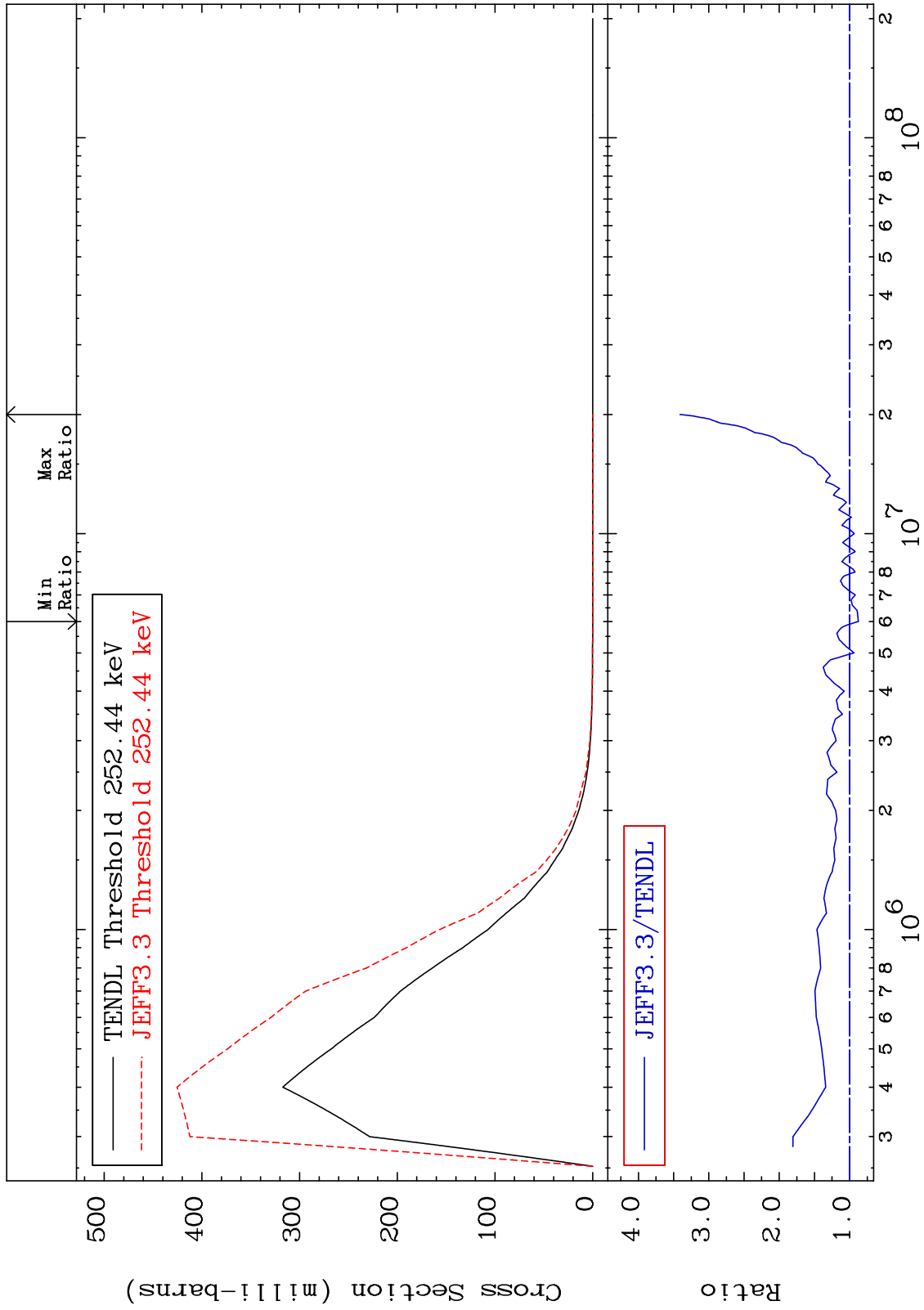


66-Dy-163

MAT 6646      MT= 52 (n,n') Level      66-Dy-163  
 Cross Section      -42.95 To 33.05 %



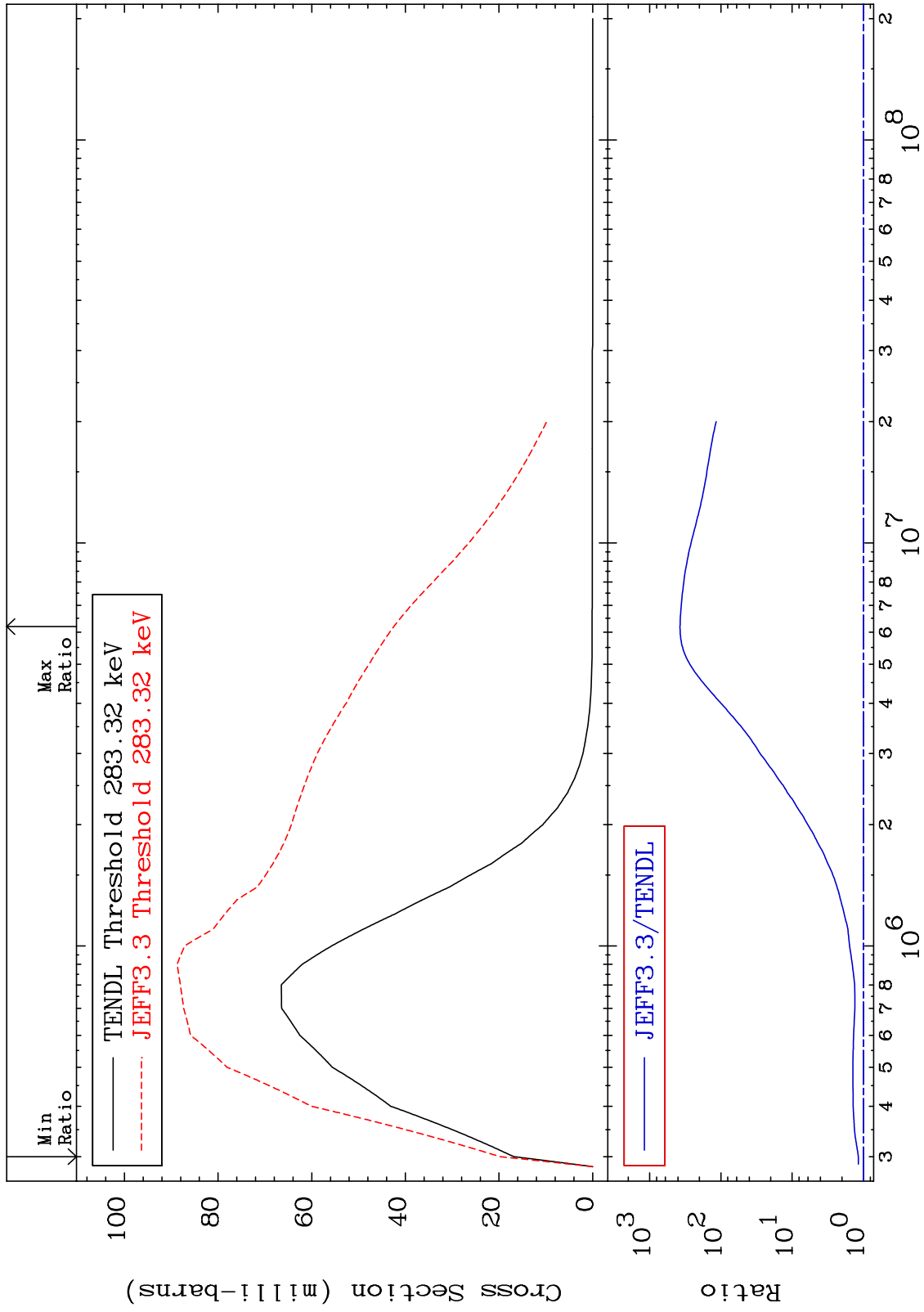
MAT 6646      MT= 53 (n, n') Level      66-Dy-163  
 Cross Section      -12.49 To 240.9 %



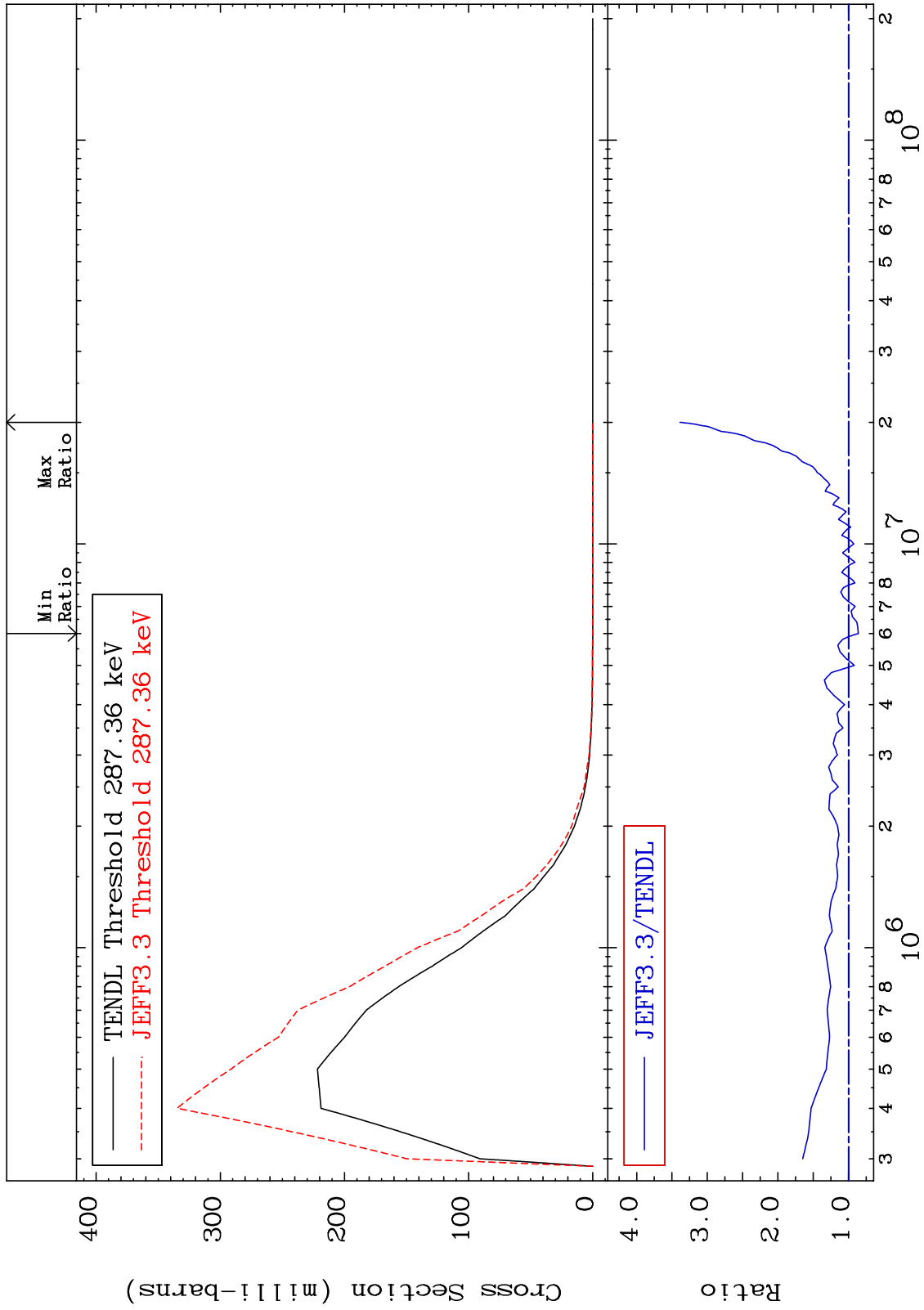
MAT 6646

MT= 54 (n,n') Level  
Cross Section

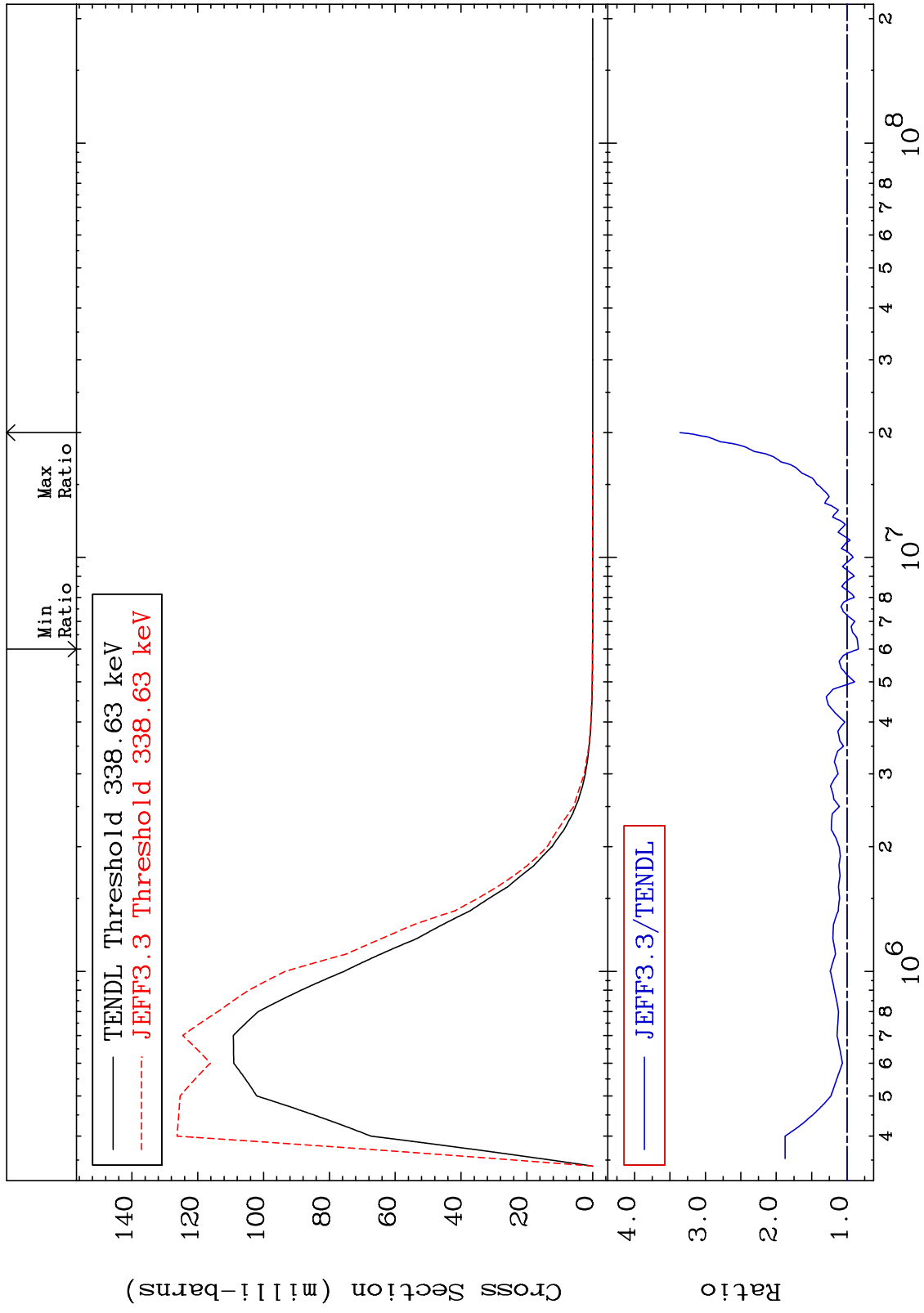
17.38 To 9999. %  
66-Dy-163



MAT 6646      MT= 55 (n,n') Level      66-Dy-163  
 Cross Section      -14.07 To 238.6 %

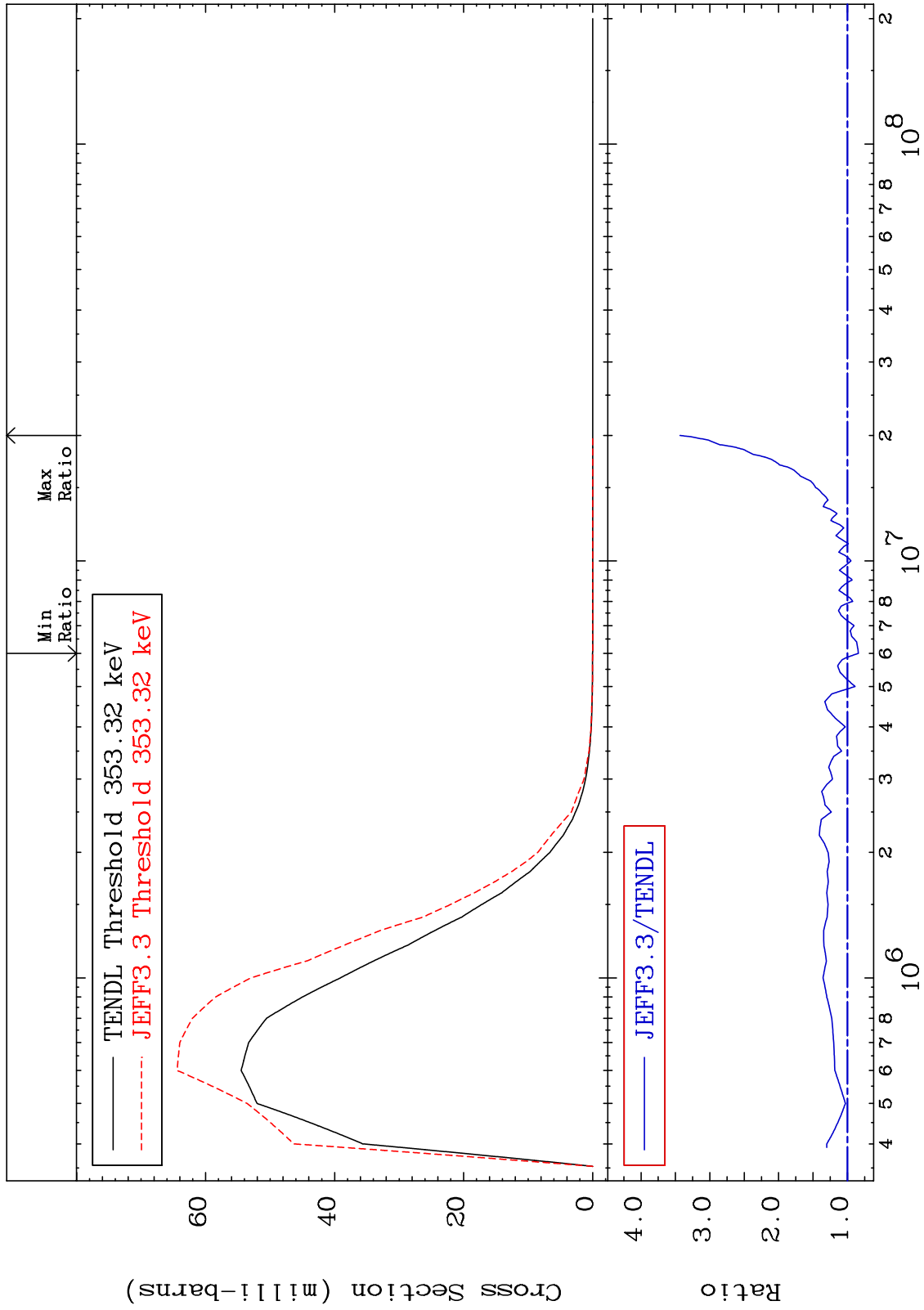


MAT 6646 MT= 56 (n,n') Level Cross Section -16.04 To 235.8 % 66-Dy-163

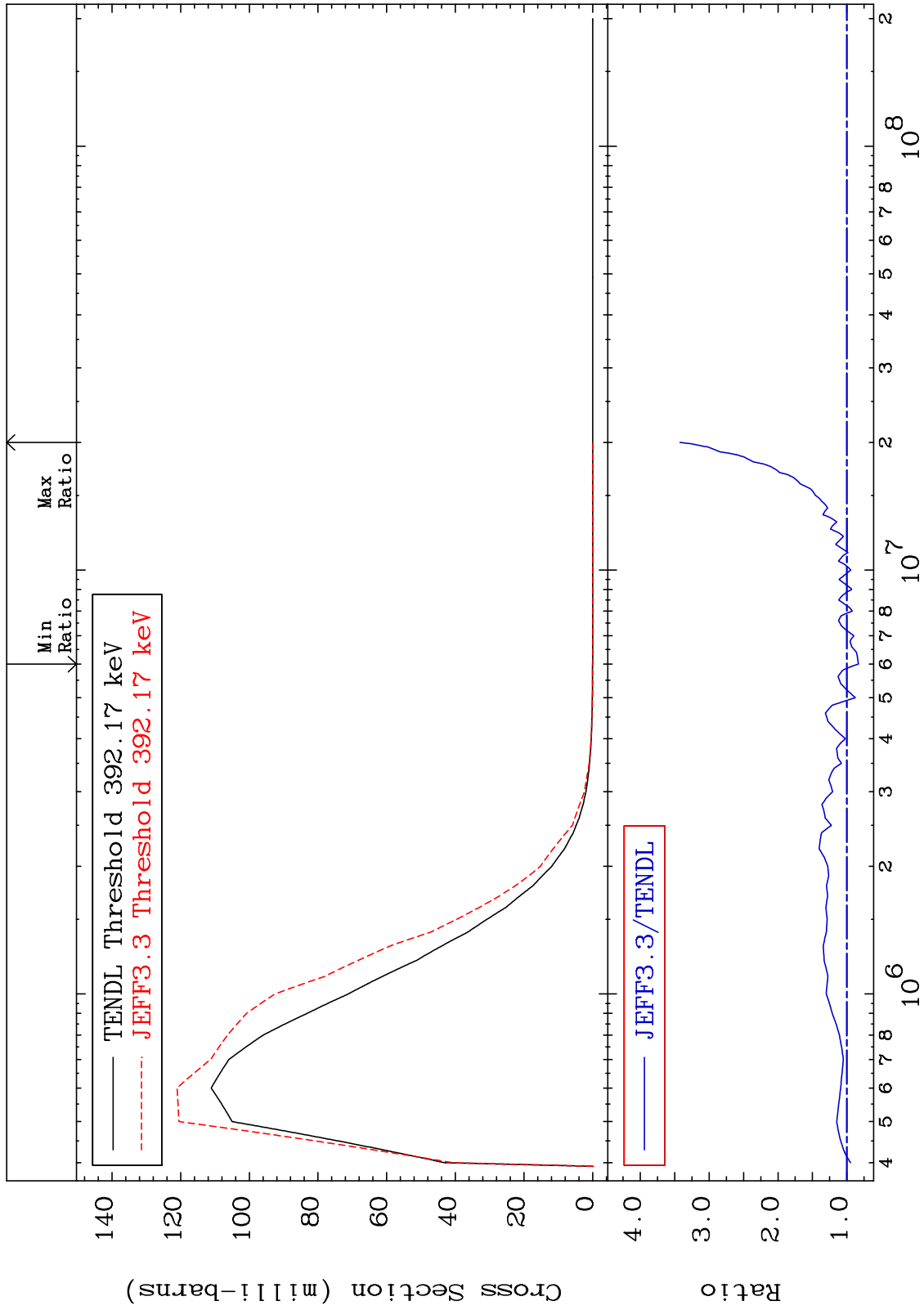




MAT 6646      MT= 57 (n,n') Level      66-Dy-163  
 Cross Section      -15.96 To 243.4 %



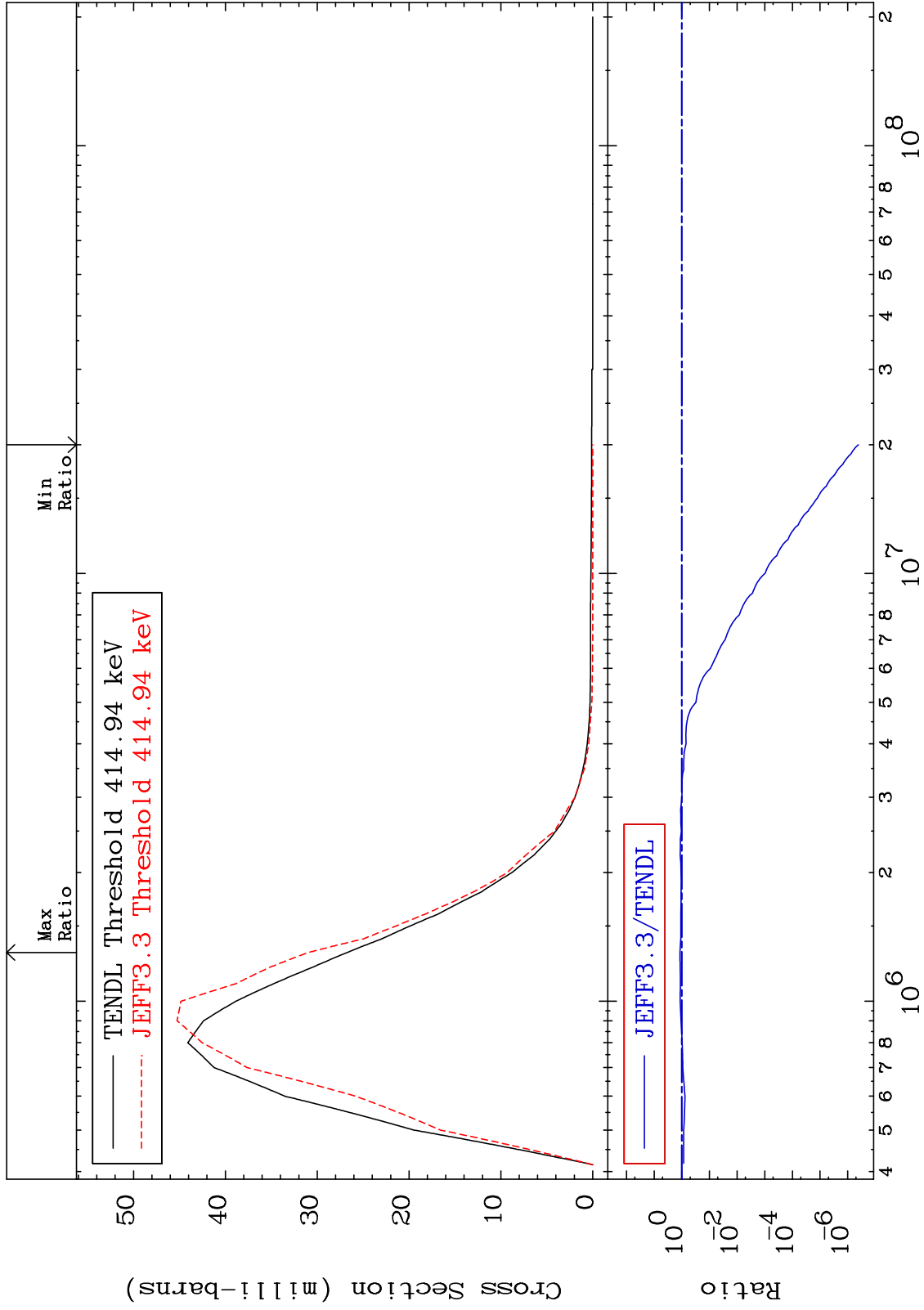
MAT 6646      MT= 58 (n,n') Level      66-Dy-163  
 Cross Section      -16.80 To 242.3 %



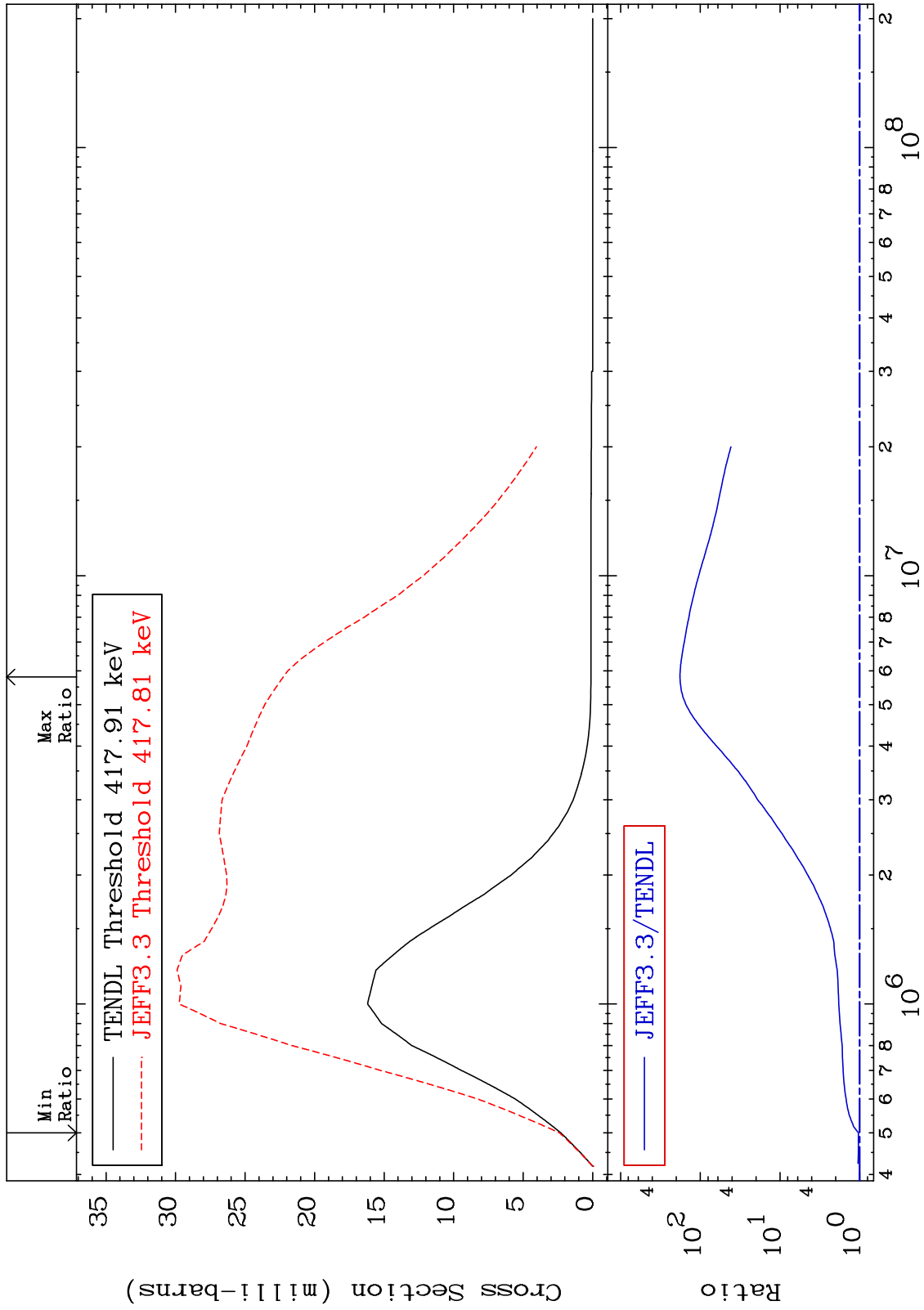
MAT 6646

MT= 59 (n, n') Level  
Cross Section

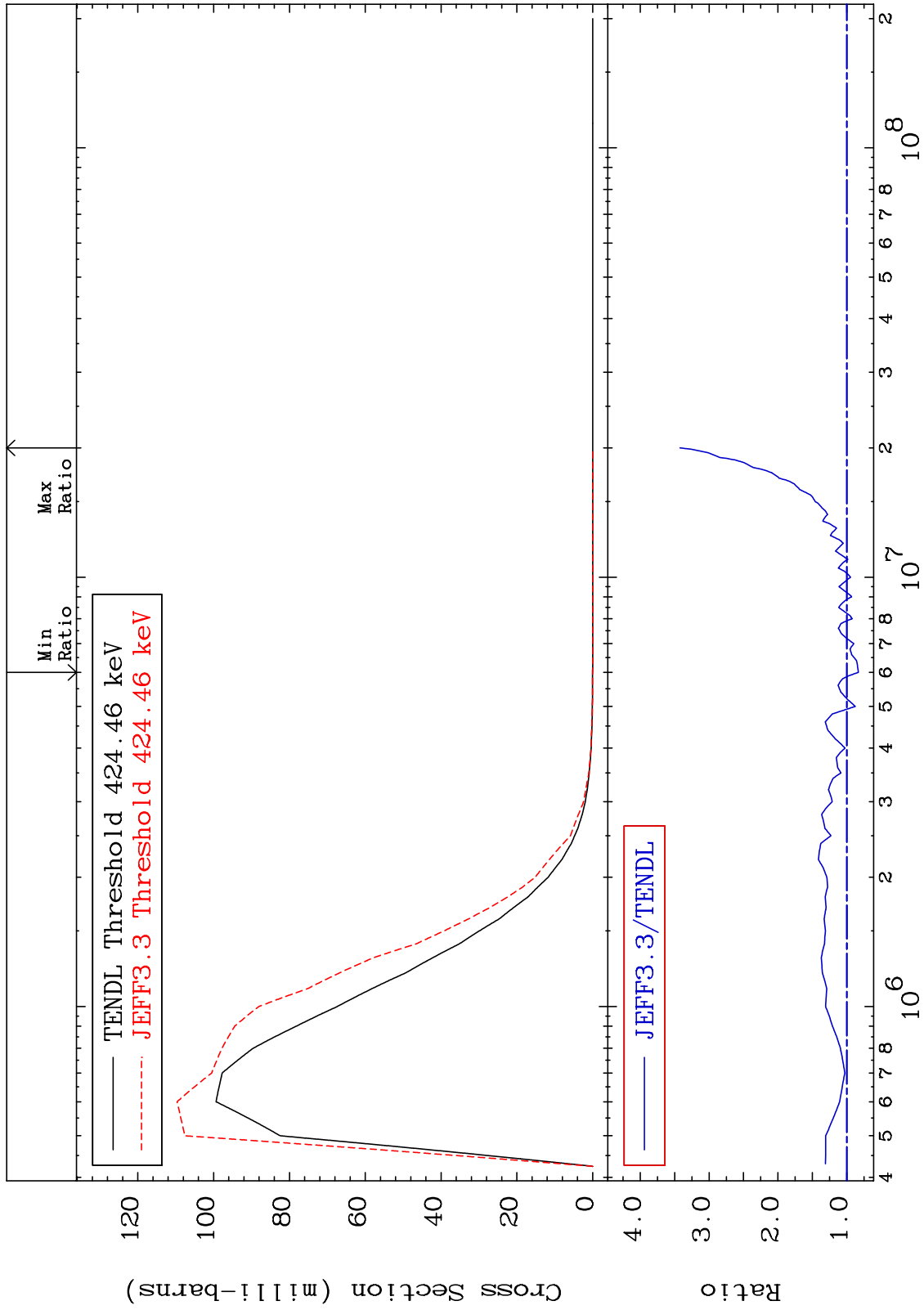
66-Dy-163  
-100.0 To 15.87 %



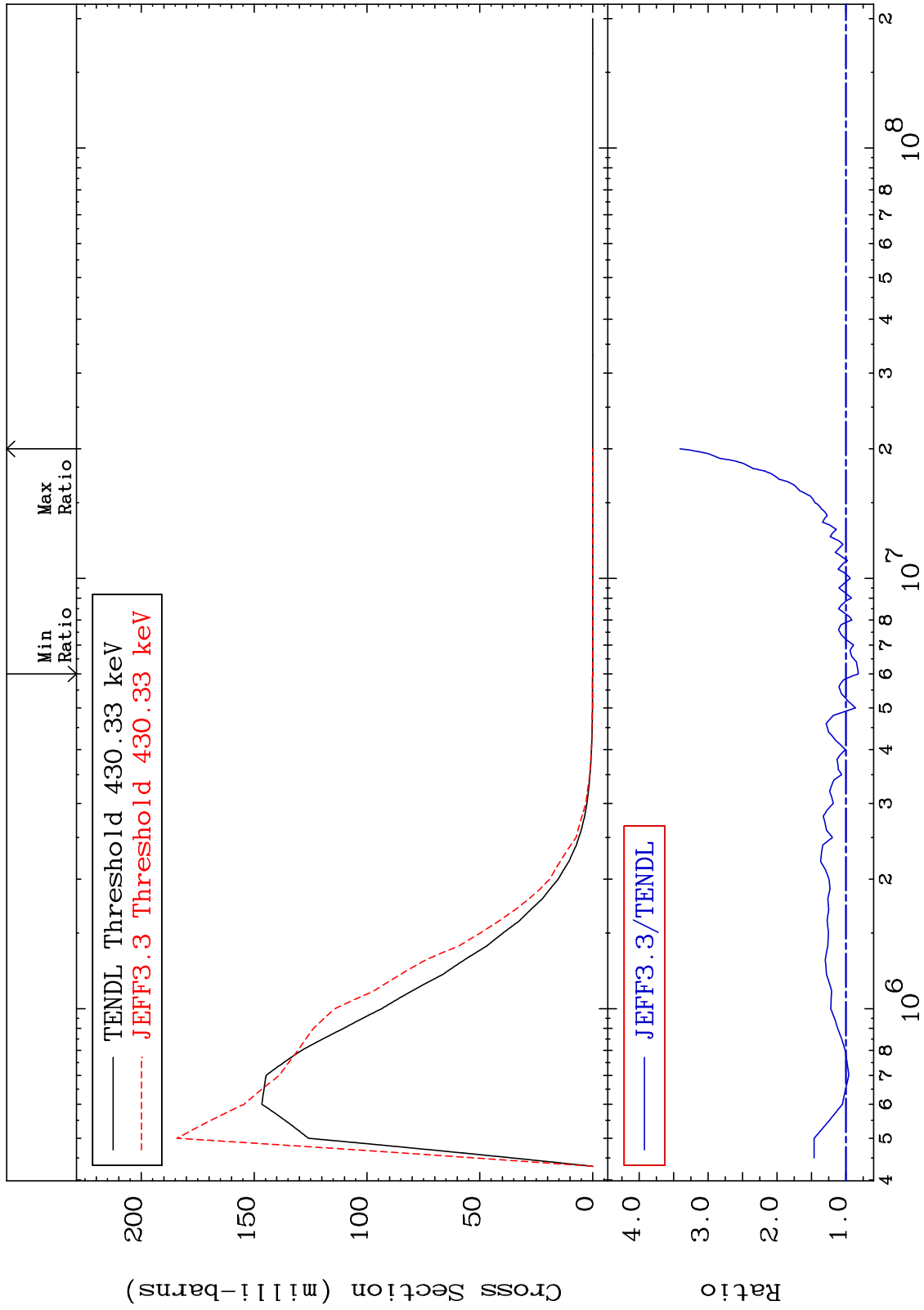
MAT 6646      MT= 60 (n,n') Level      66-Dy-163  
 Cross Section      3.863 To 9999. %



MAT 6646      MT= 61 (n,n') Level      66-Dy-163  
 Cross Section      -16.97 To 242.3 %



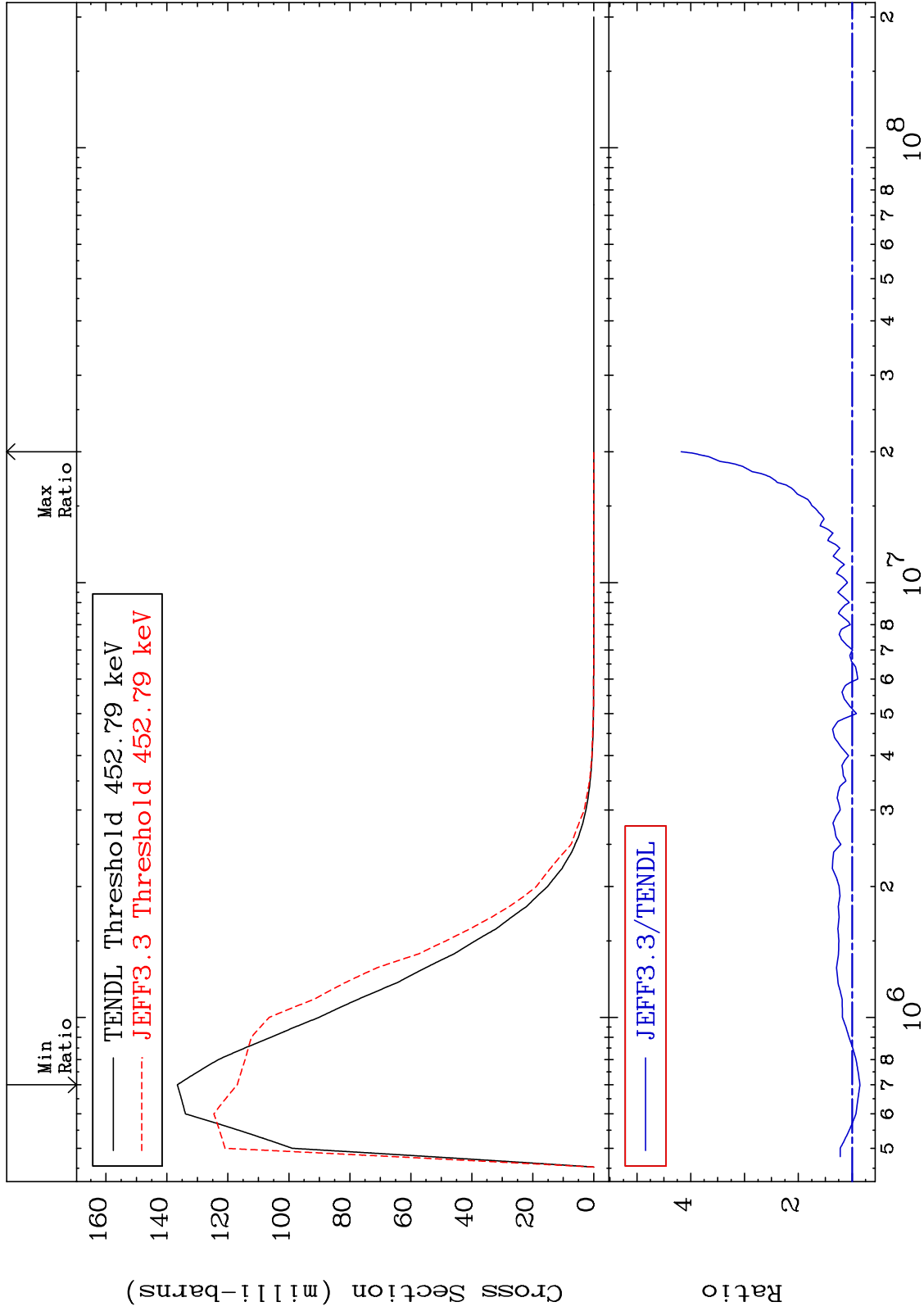
MAT 6646      MT= 62 (n,n') Level      66-Dy-163  
 Cross Section      -17.97 To 240.7 %



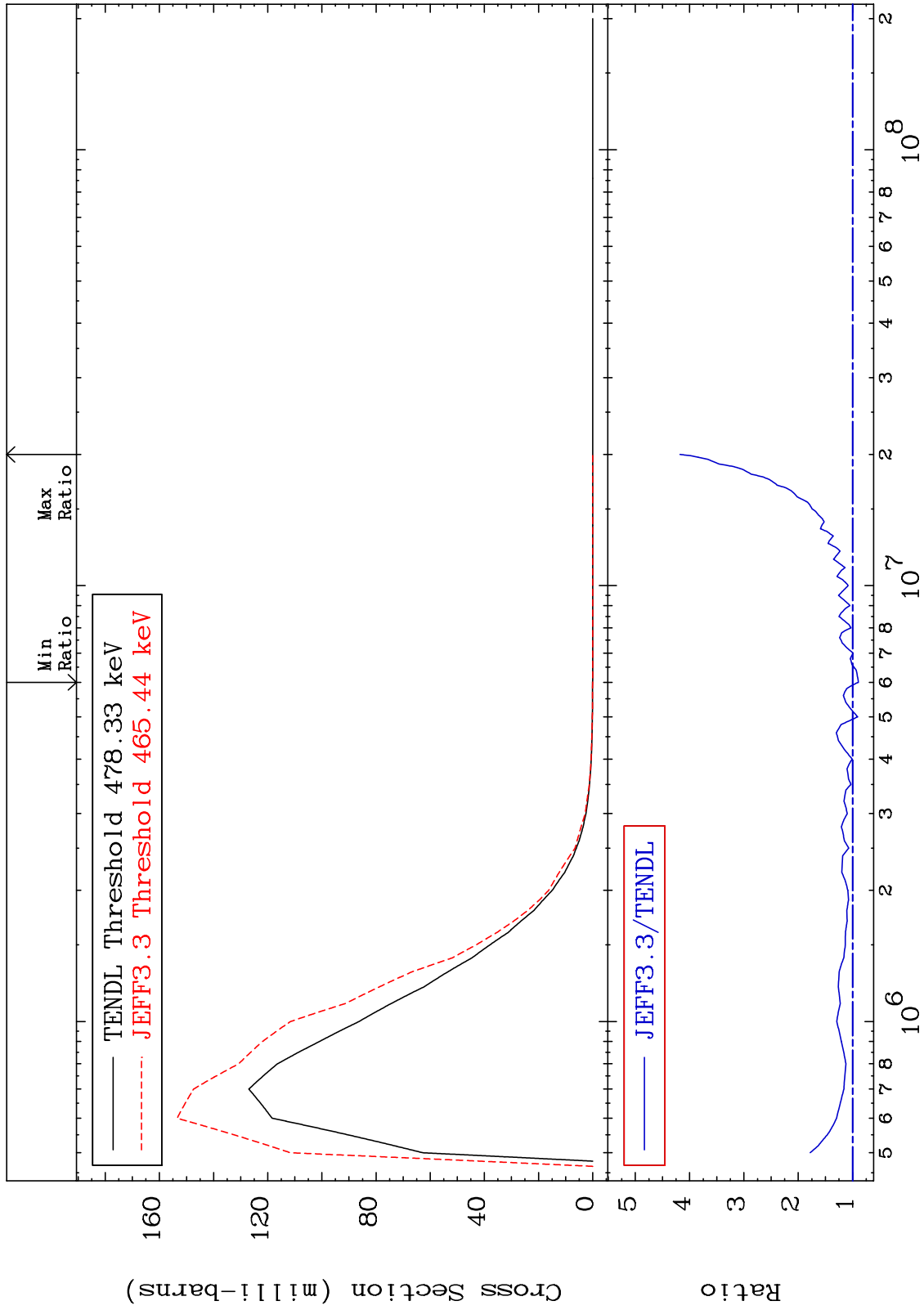
MAT 6646

MT= 63 (n,n') Level  
Cross Section

66-Dy-163  
-14.39 To 317.7 %

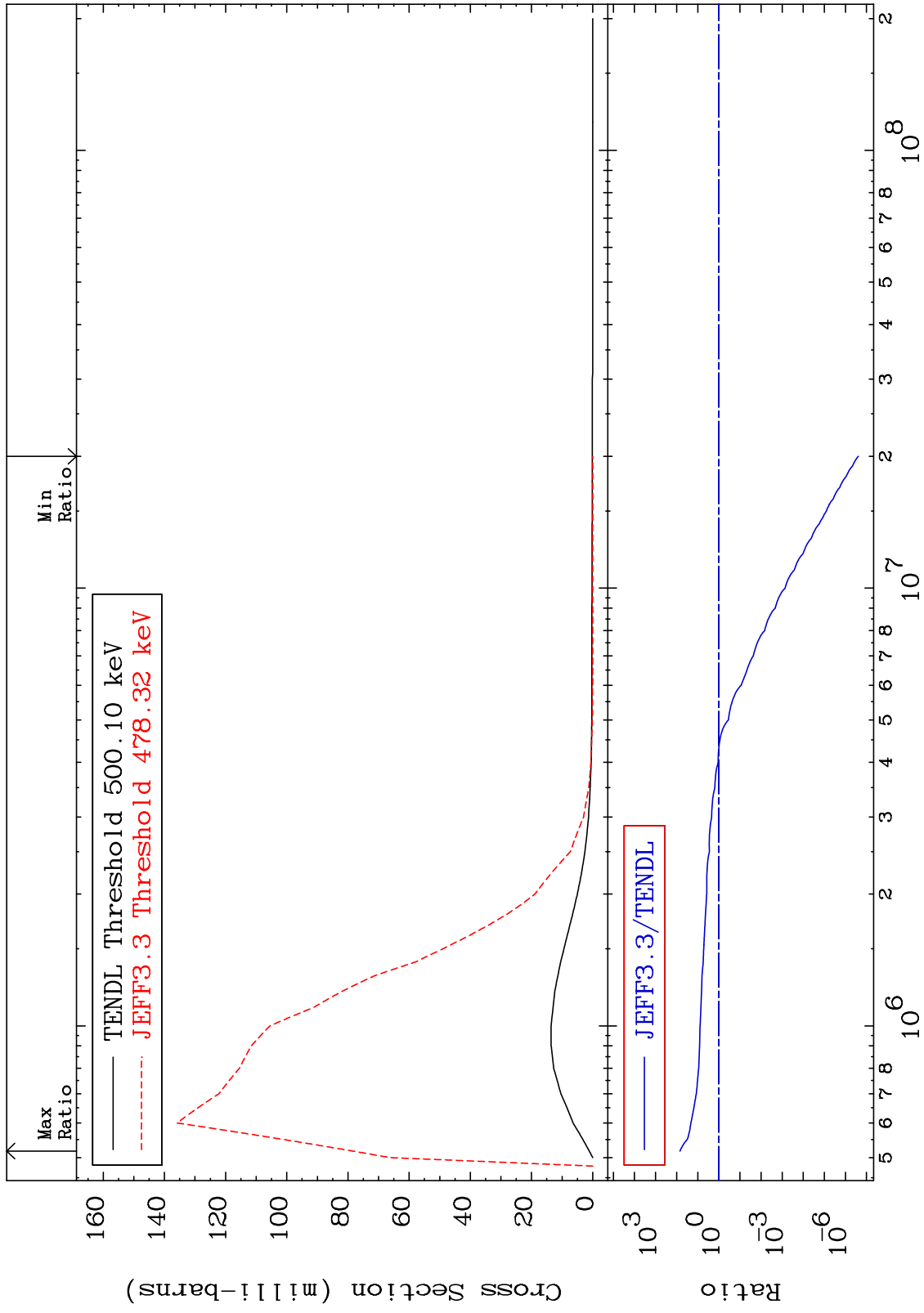


MAT 6646      MT= 64 (n,n') Level      66-Dy-163  
 Cross Section      -10.72 To 317.7 %





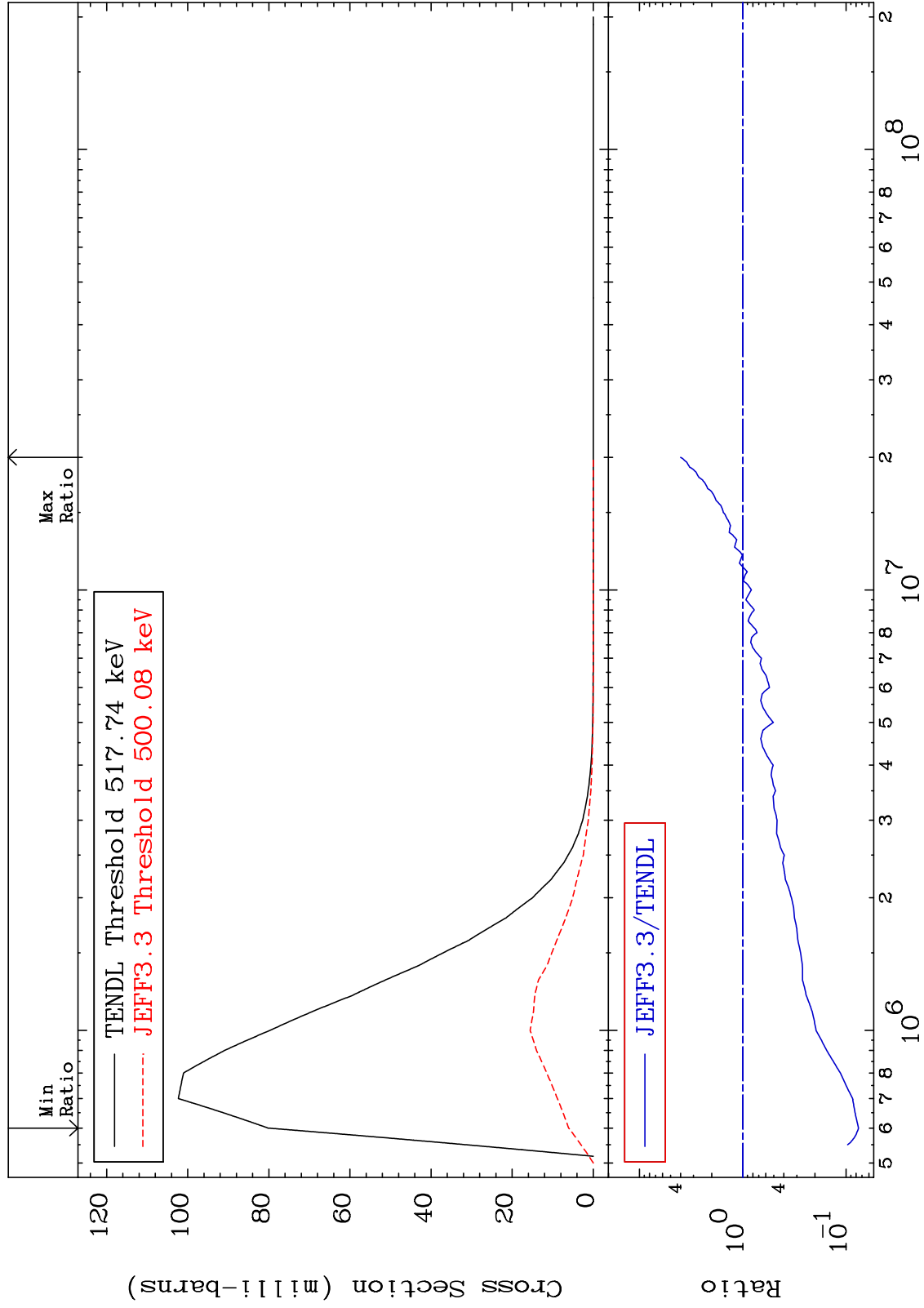
MAT 6646      MT= 65 (n,n') Level      66-Dy-163  
 Cross Section      -100.0 To 6832. %



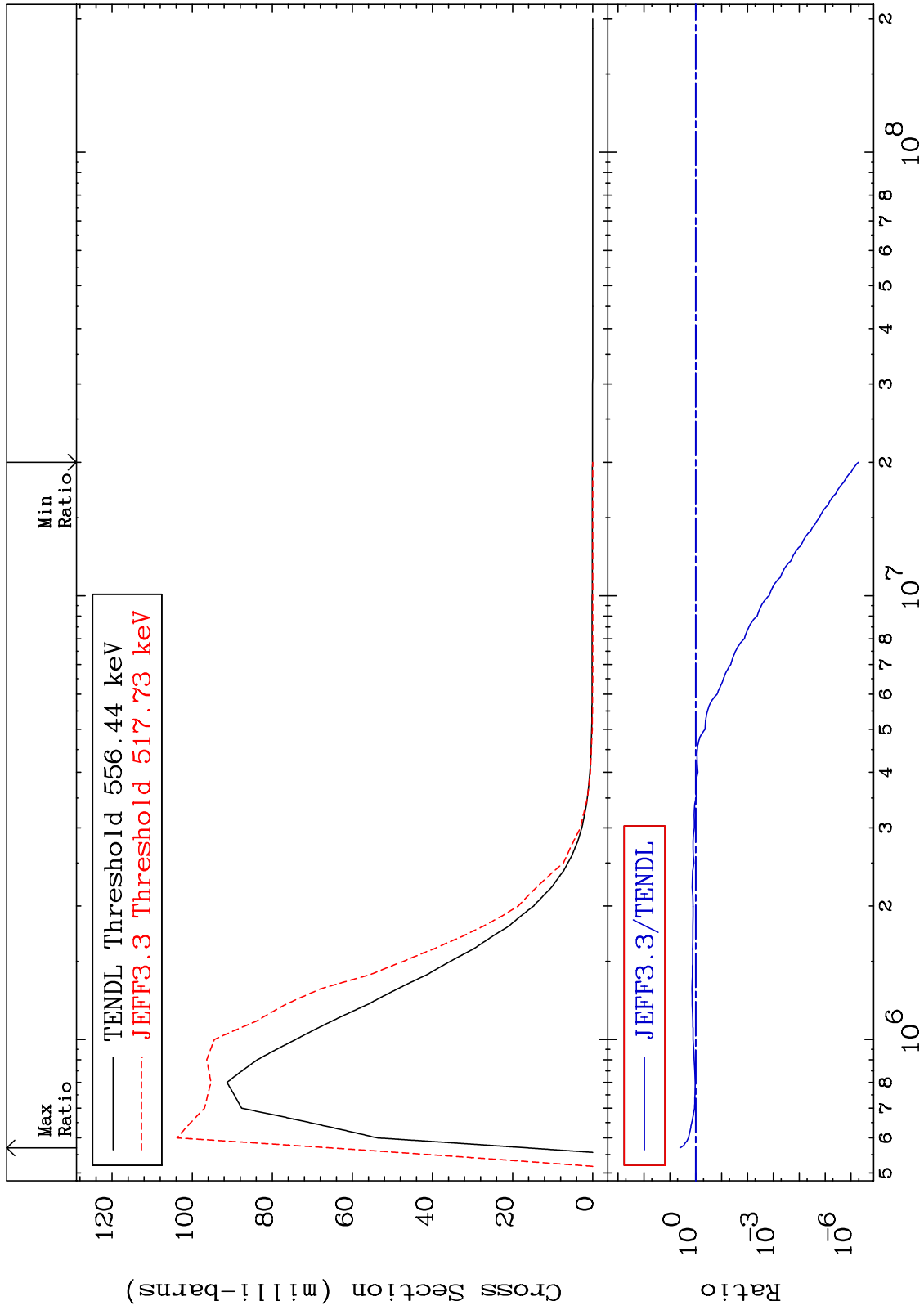
MAT 6646

MT= 66 (n,n') Level  
Cross Section

66-Dy-163  
-92.43 To 301.5 %



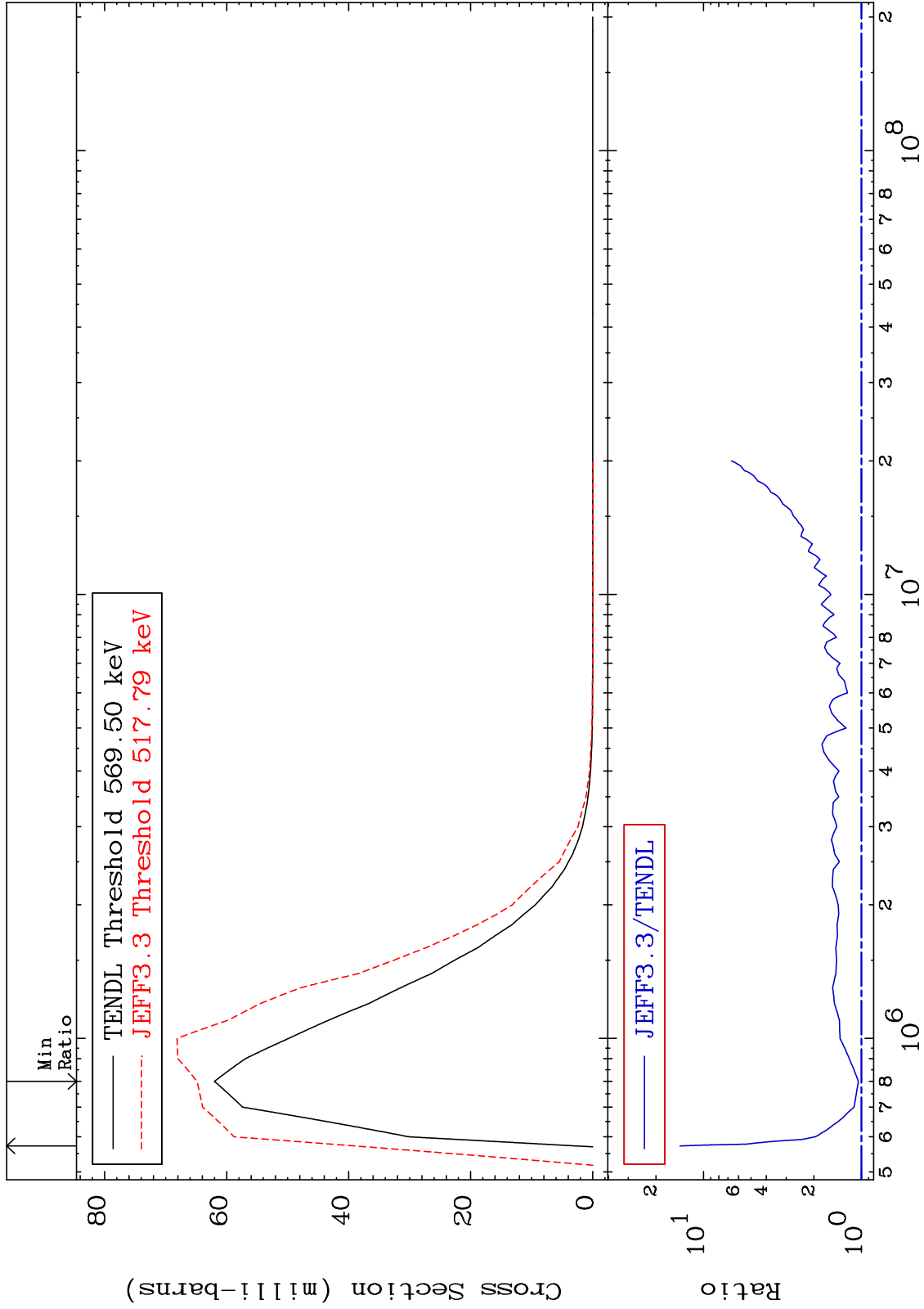
MAT 6646      MT= 67 (n,n') Level      66-Dy-163  
 Cross Section      -100.0 To 304.7 %



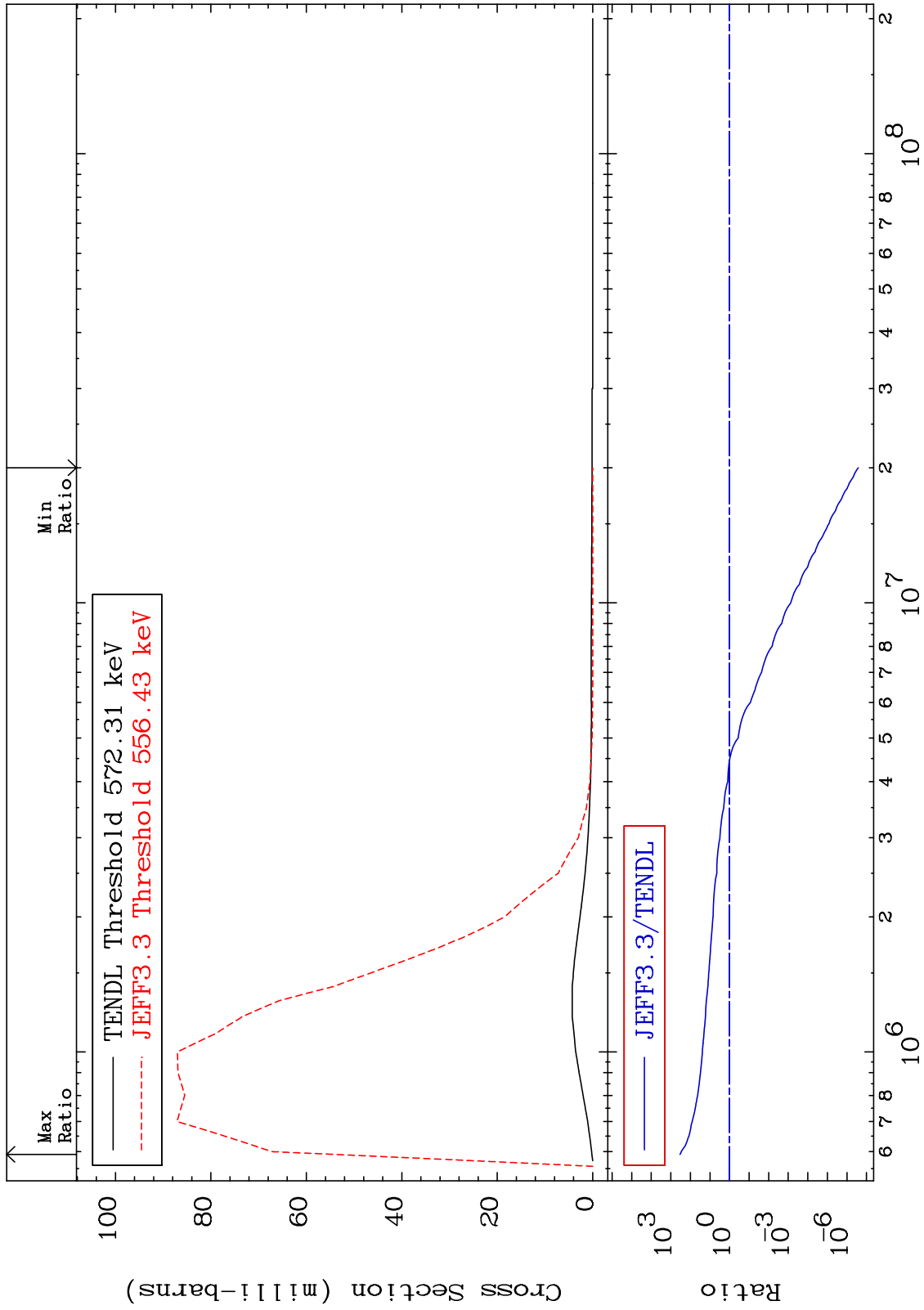
MAT 6646

MT= 68 (n,n') Level  
Cross Section

66-Dy-163  
4.580 To 1309. %



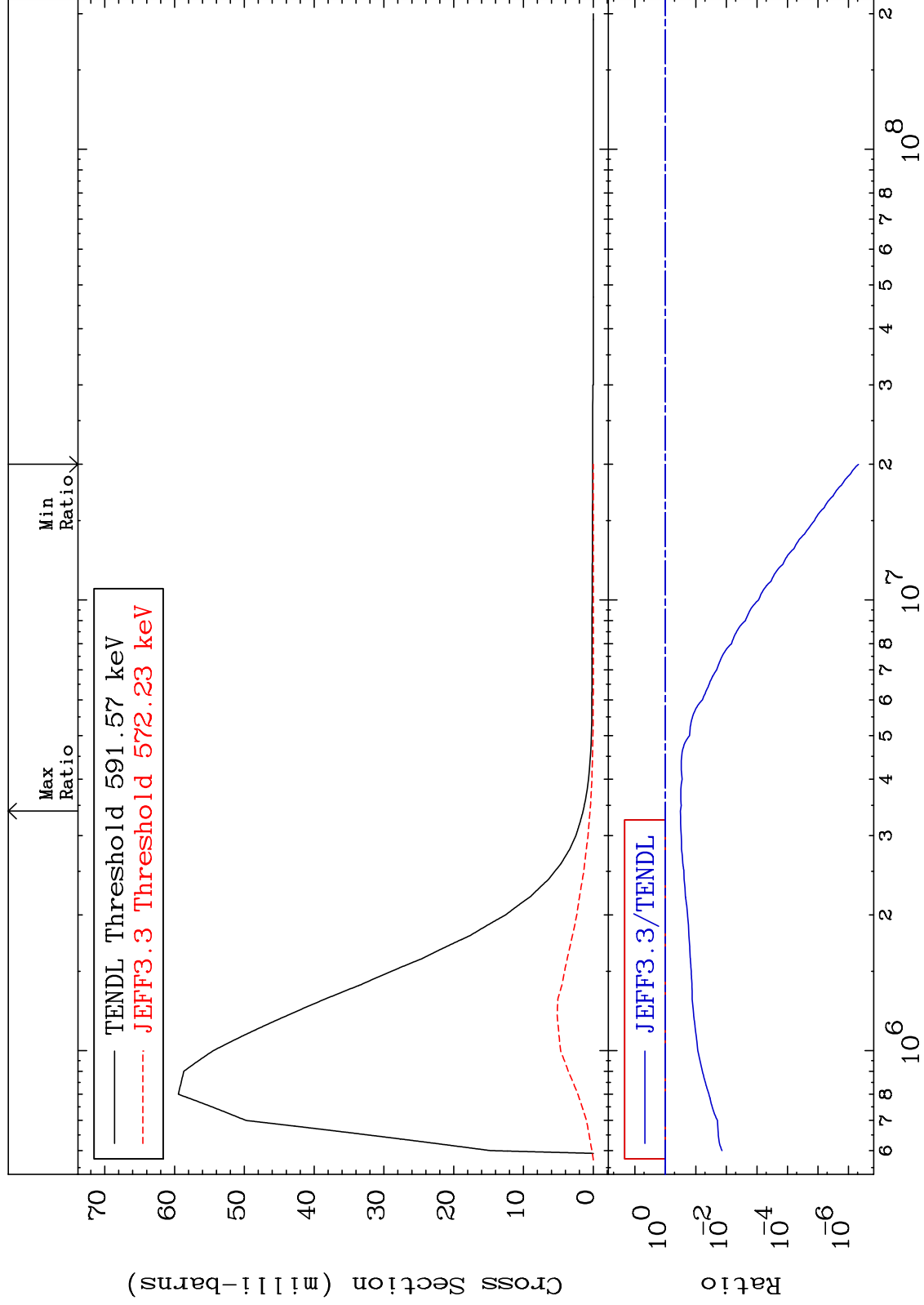
MAT 6646      MT= 69 (n,n') Level      66-Dy-163  
 Cross Section      -100.0 To 9999. %



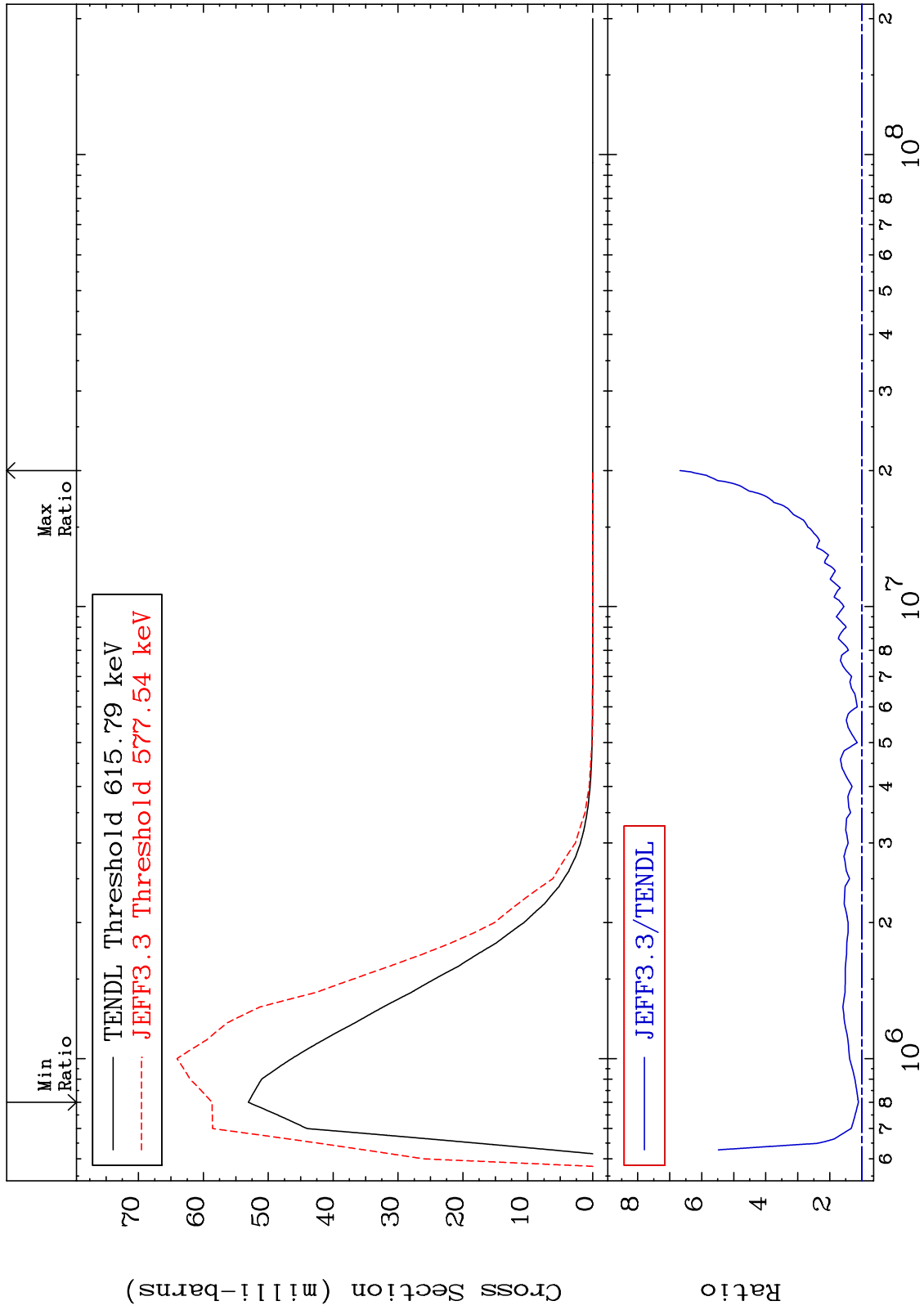
MAT 6646

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

66-Dy-163  
-100.0 To -68.03%

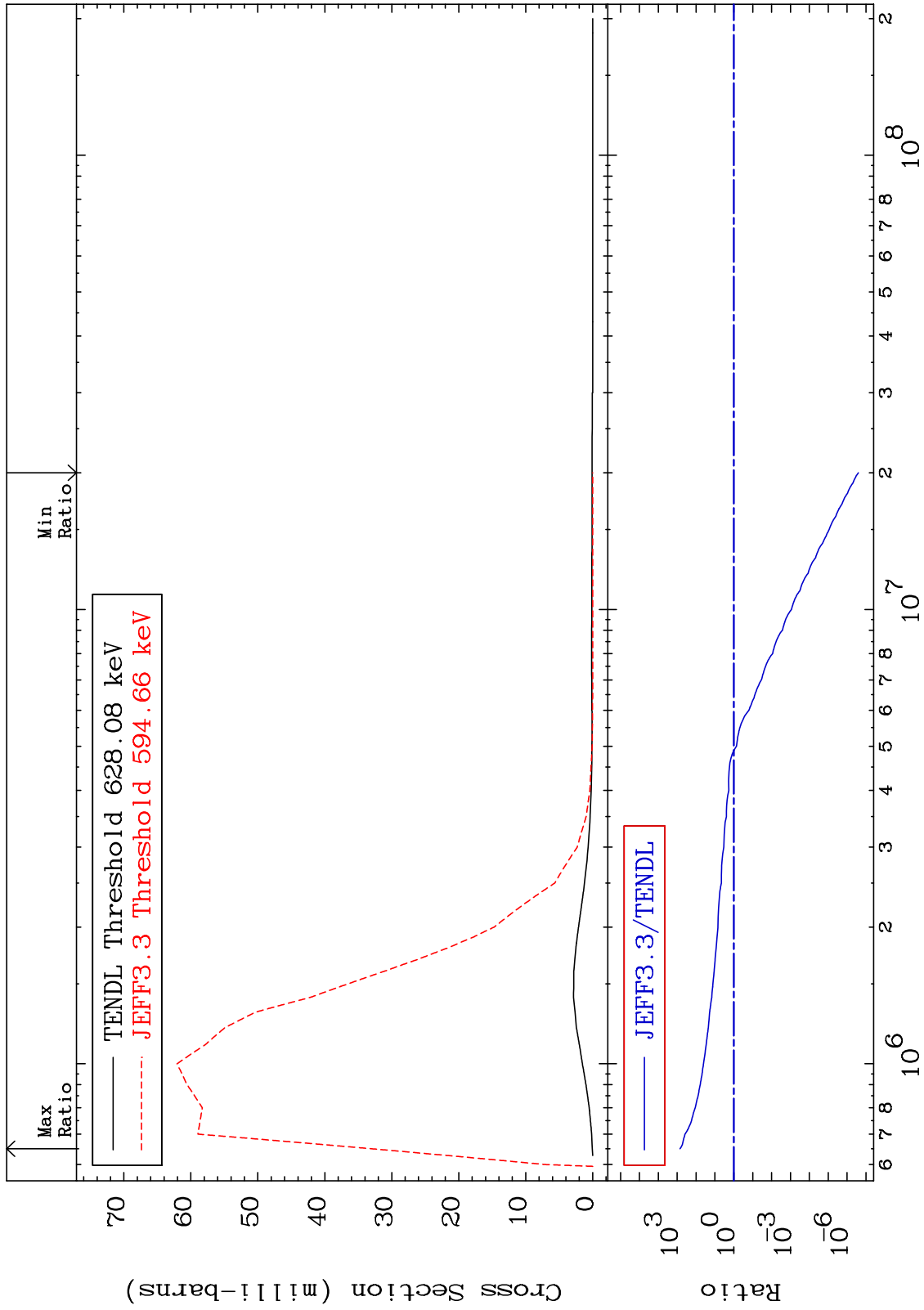


MAT 6646 MT= 71 (n,n') Level Cross Section 66-Dy-163 10.54 To 567.9 %



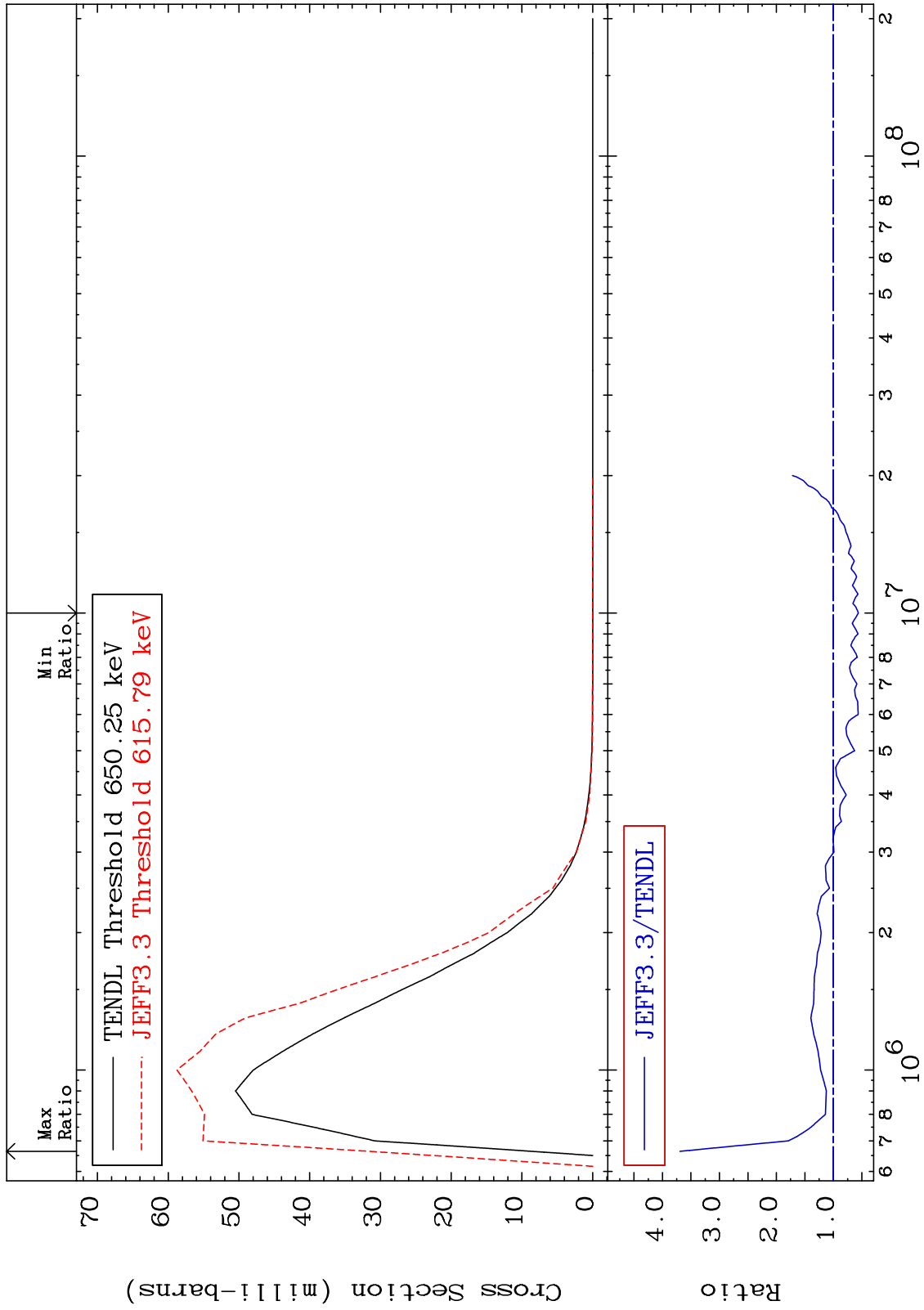
30 Incident Energy (eV) 66-Dy-163

MAT 6646      MT= 72 (n,n') Level      66-Dy-163  
 Cross Section      -100.0 To 9999. %

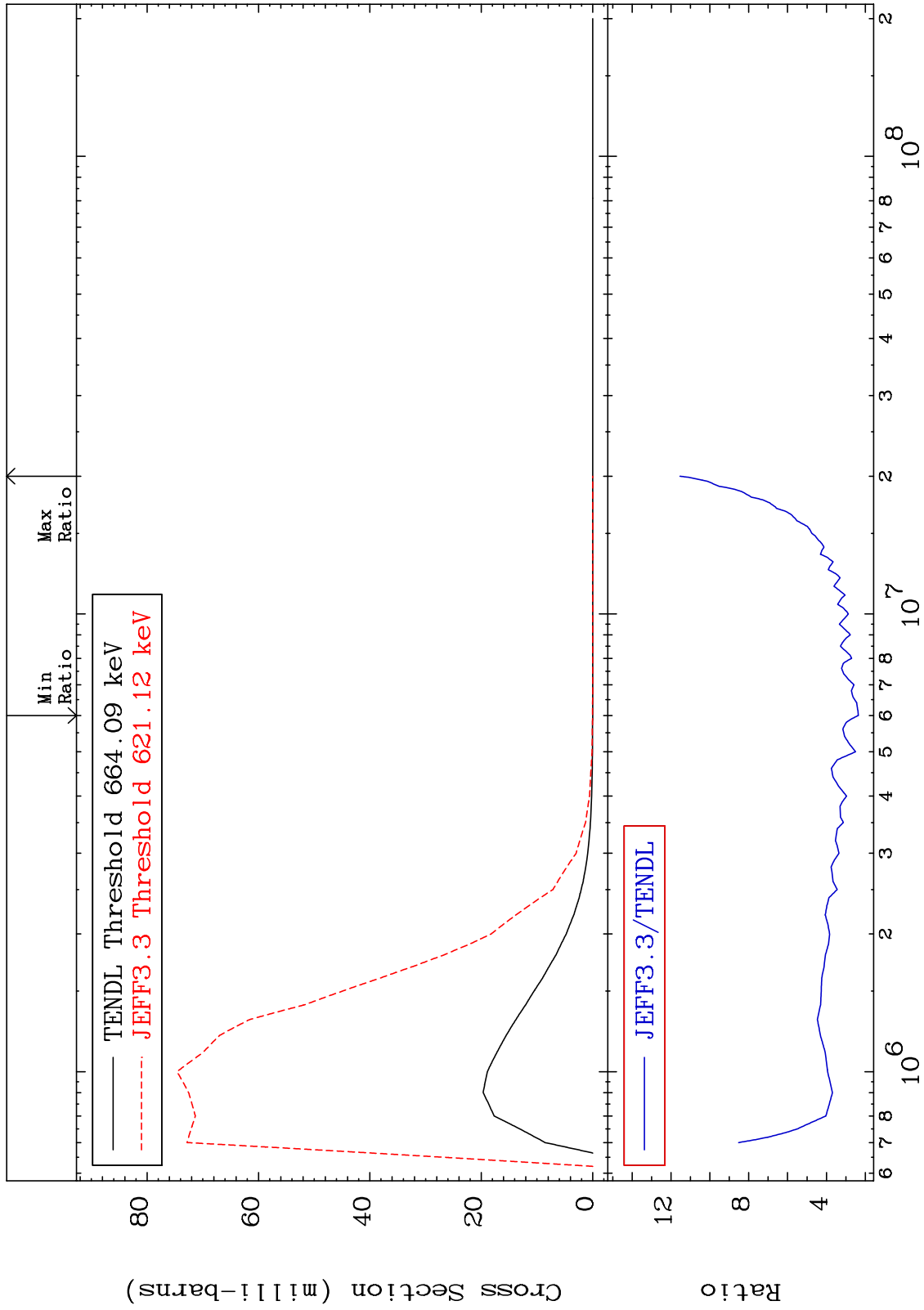




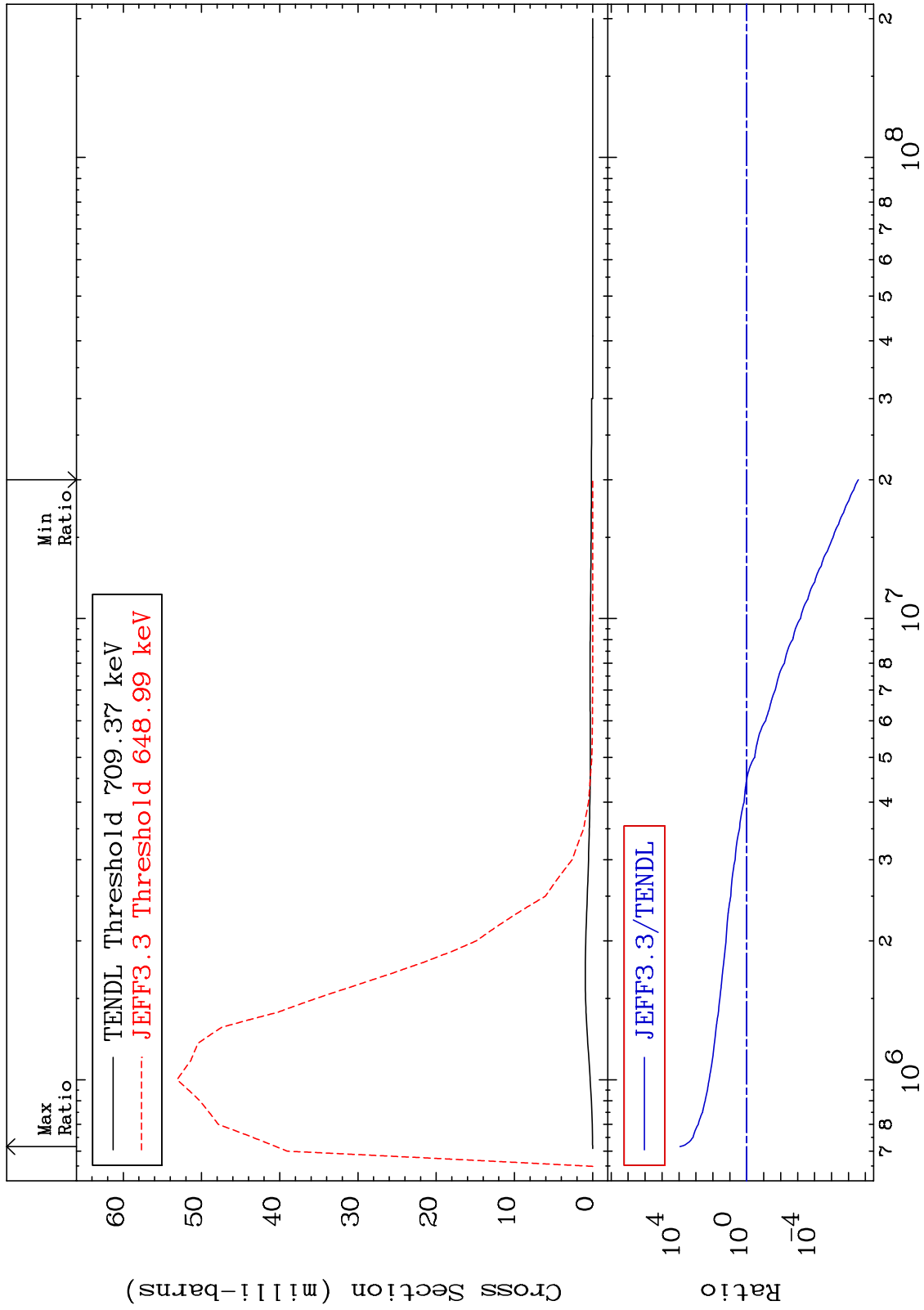
MAT 6646      MT= 73 (n,n') Level      66-Dy-163  
 Cross Section      -43.97 To 269.2 %



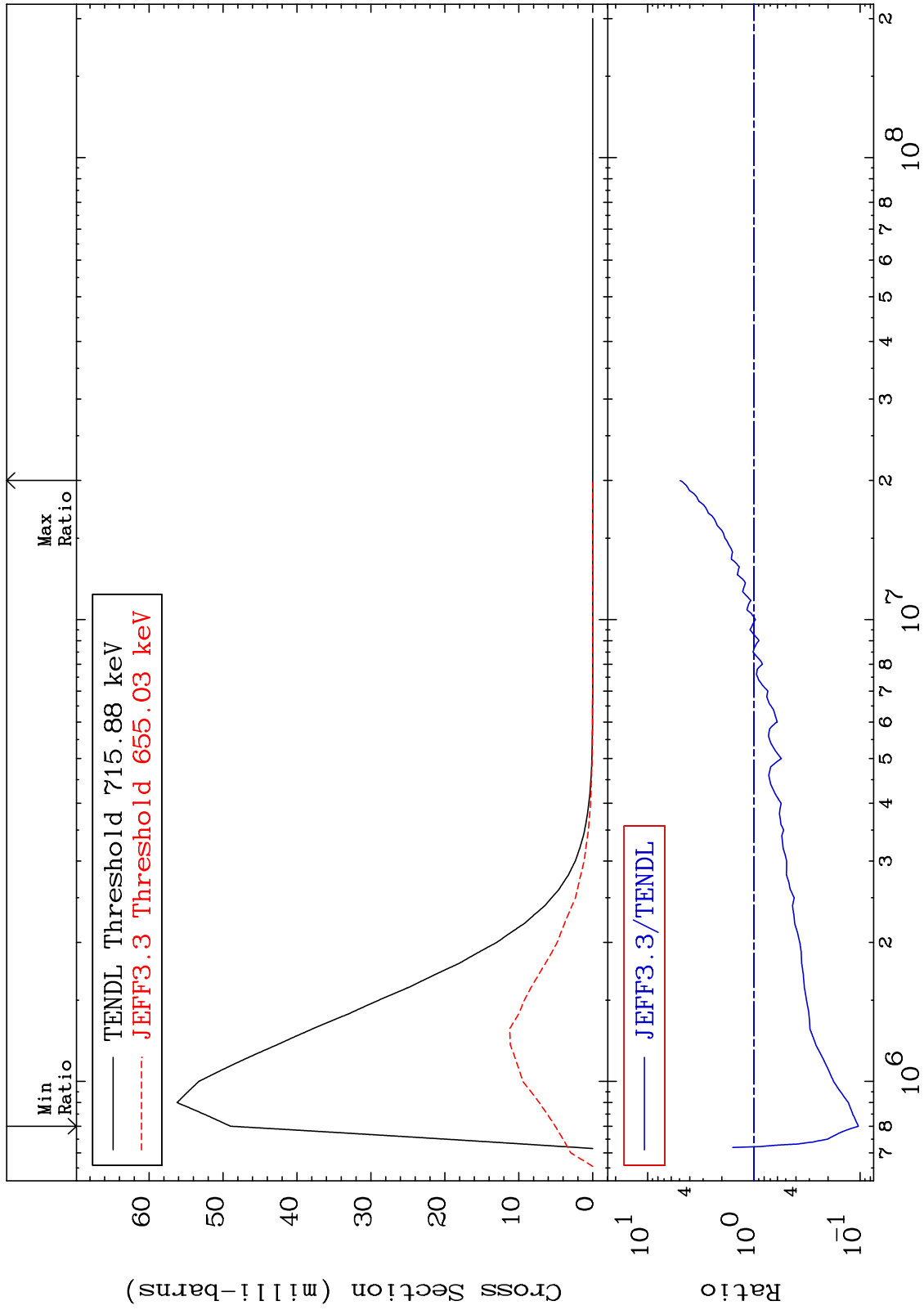
MAT 6646 MT= 74 (n,n') Level Cross Section 66-Dy-163  
135.4 To 1054. %



MAT 6646      MT= 75 (n,n') Level      66-Dy-163  
 Cross Section      -100.0 To 9999. %



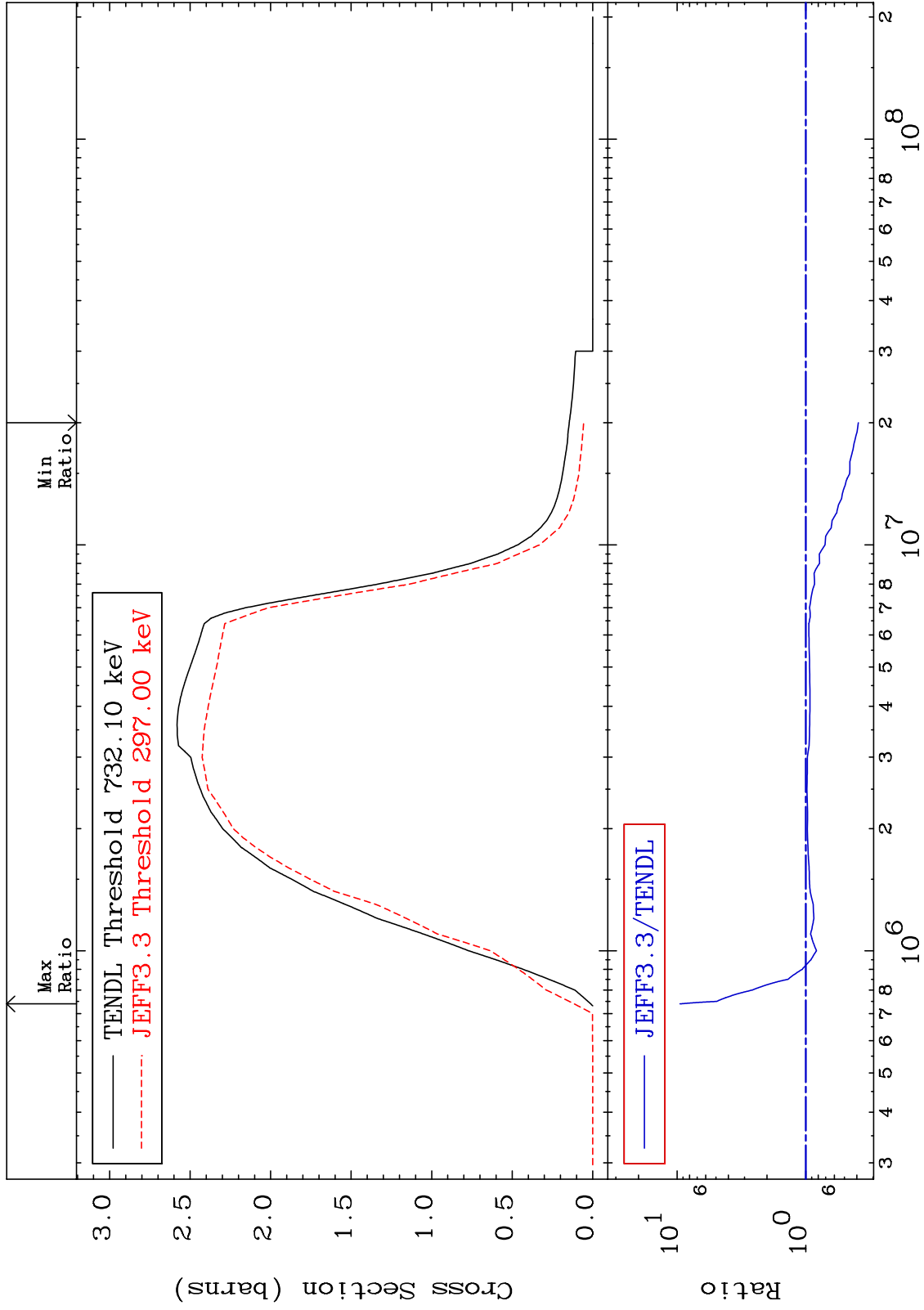
MAT 6646      MT= 76 (n,n') Level      66-Dy-163  
 Cross Section      -89.65 To 395.2 %



MAT 6646

(n, n') Continuum  
Cross Section

66-Dy-163  
-61.05 To 850.3 %



36

Incident Energy (eV)

66-Dy-163

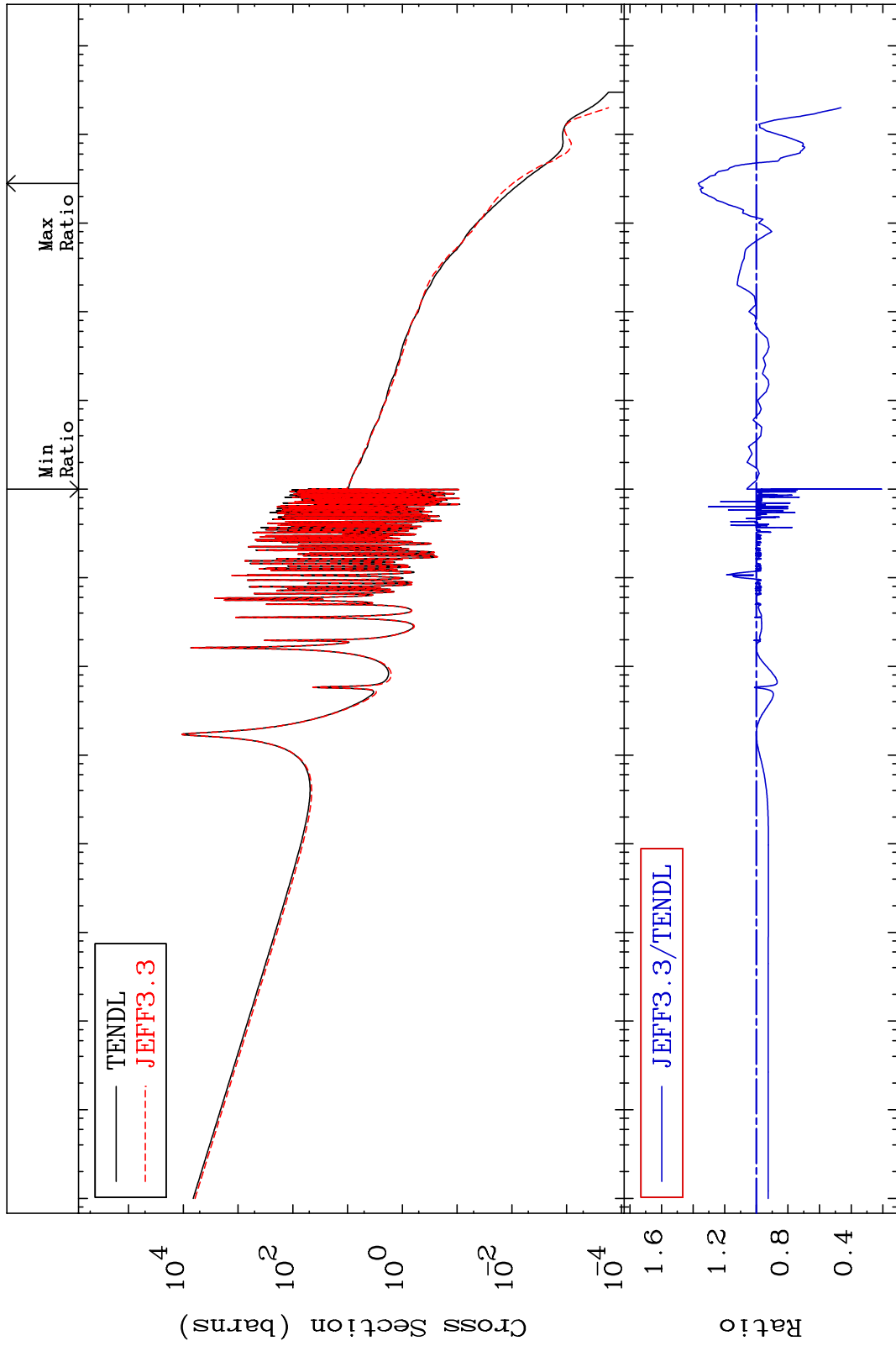
MAT 6646

(n,  $\gamma$ )

66-Dy-163

Cross Section

-79.22 To 36.67 %



37

Incident Energy (eV)

66-Dy-163

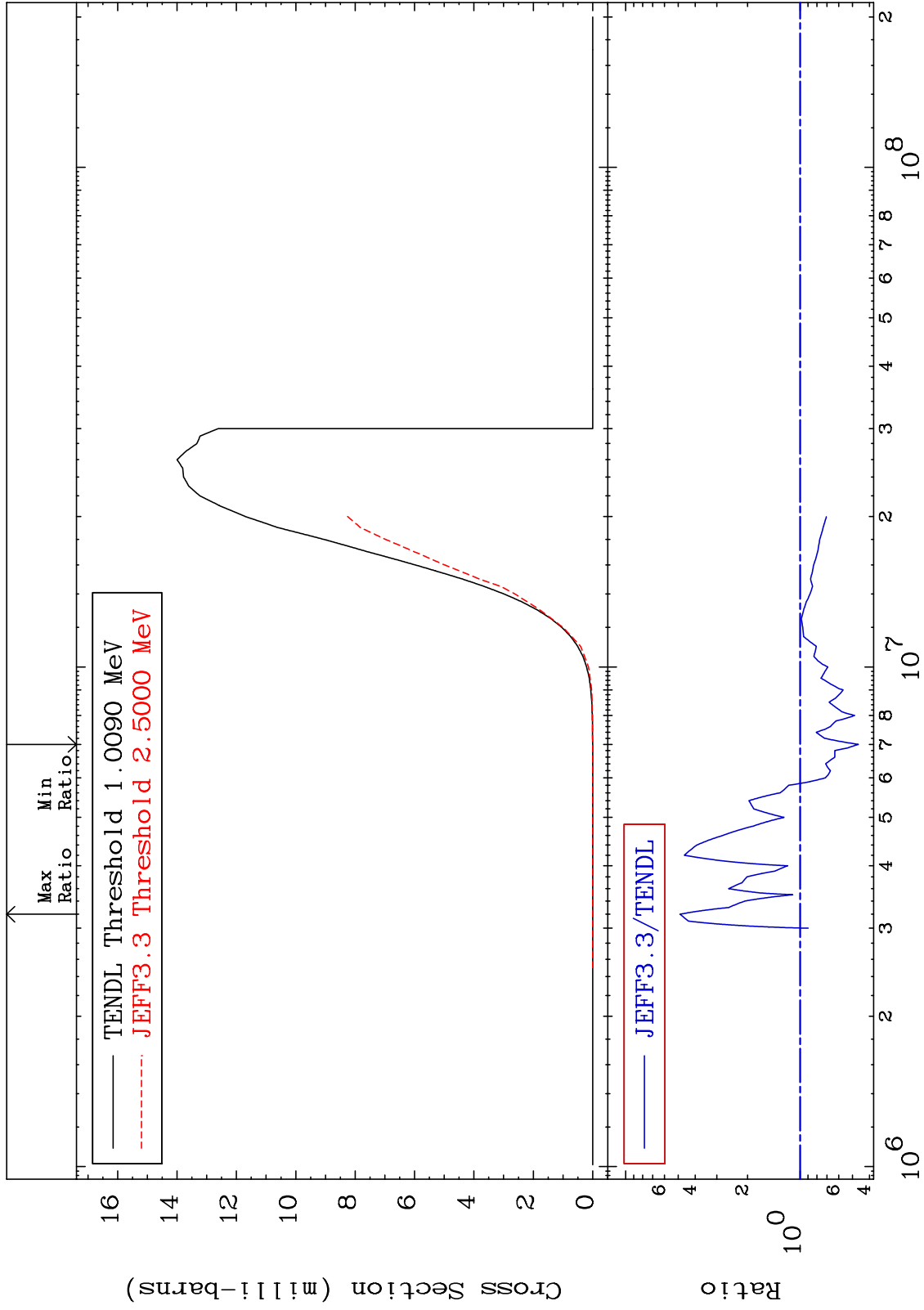
MAT 6646

(n, p)

66-Dy-163

Cross Section

-53.74 To 388.3 %



38

Incident Energy (eV)

66-Dy-163

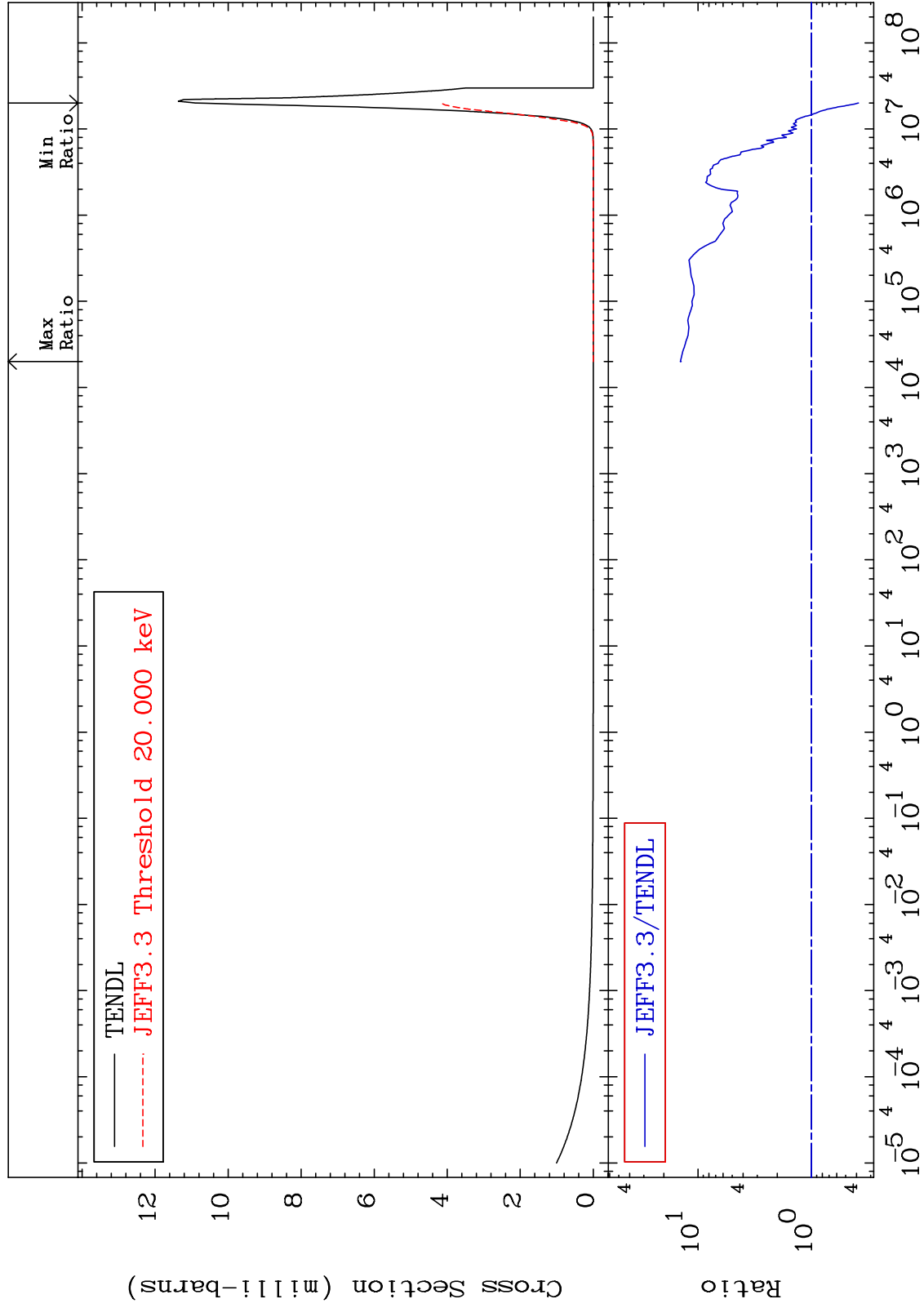
MAT 6646

(n,  $\alpha$ )

66-Dy-163

Cross Section

-61.55 To 1327. %

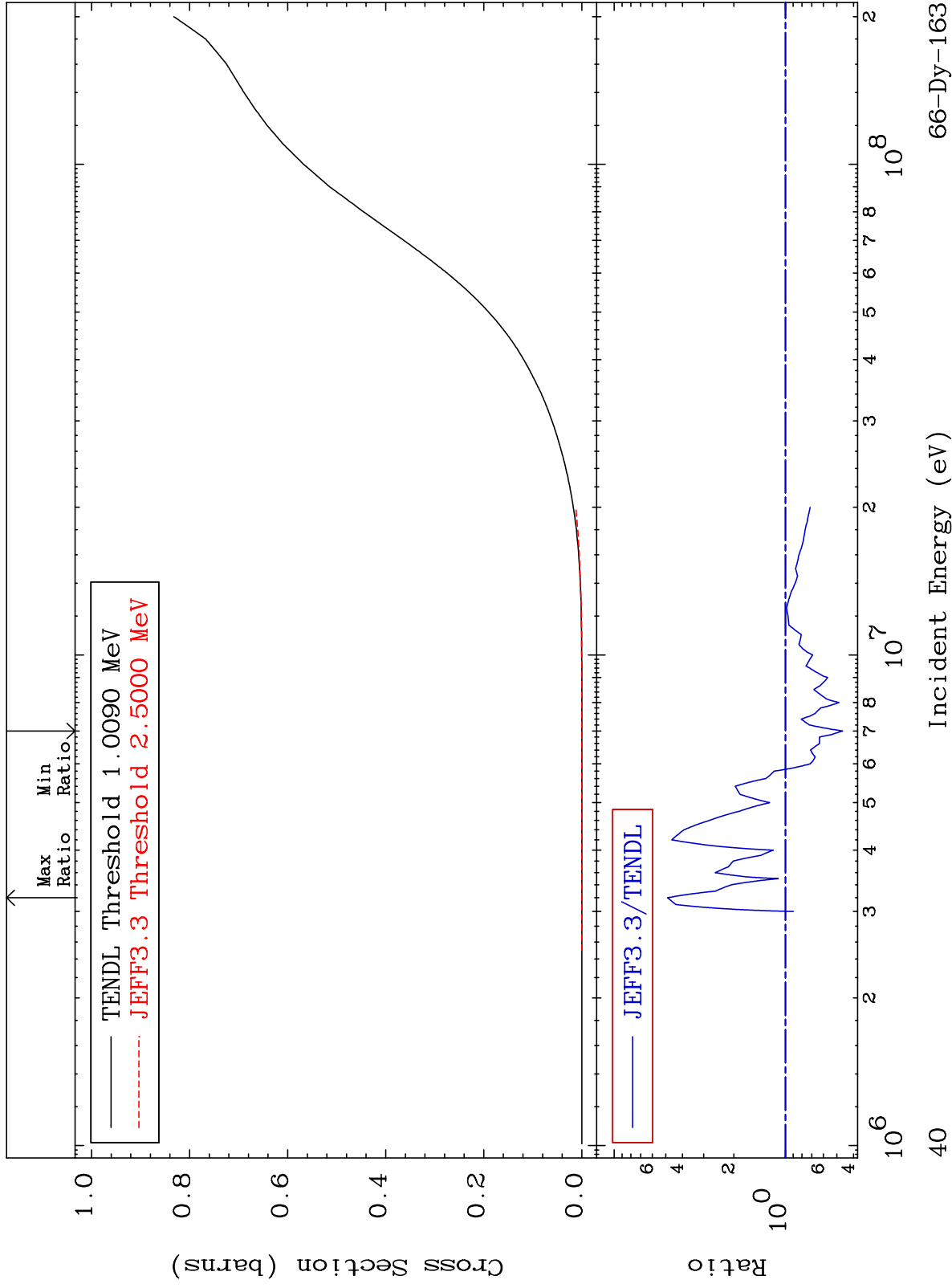




MAT 6646

Hydrogen Production  
Cross Section

66-Dy-163  
-53.74 To 388.3 %



66-Dy-163

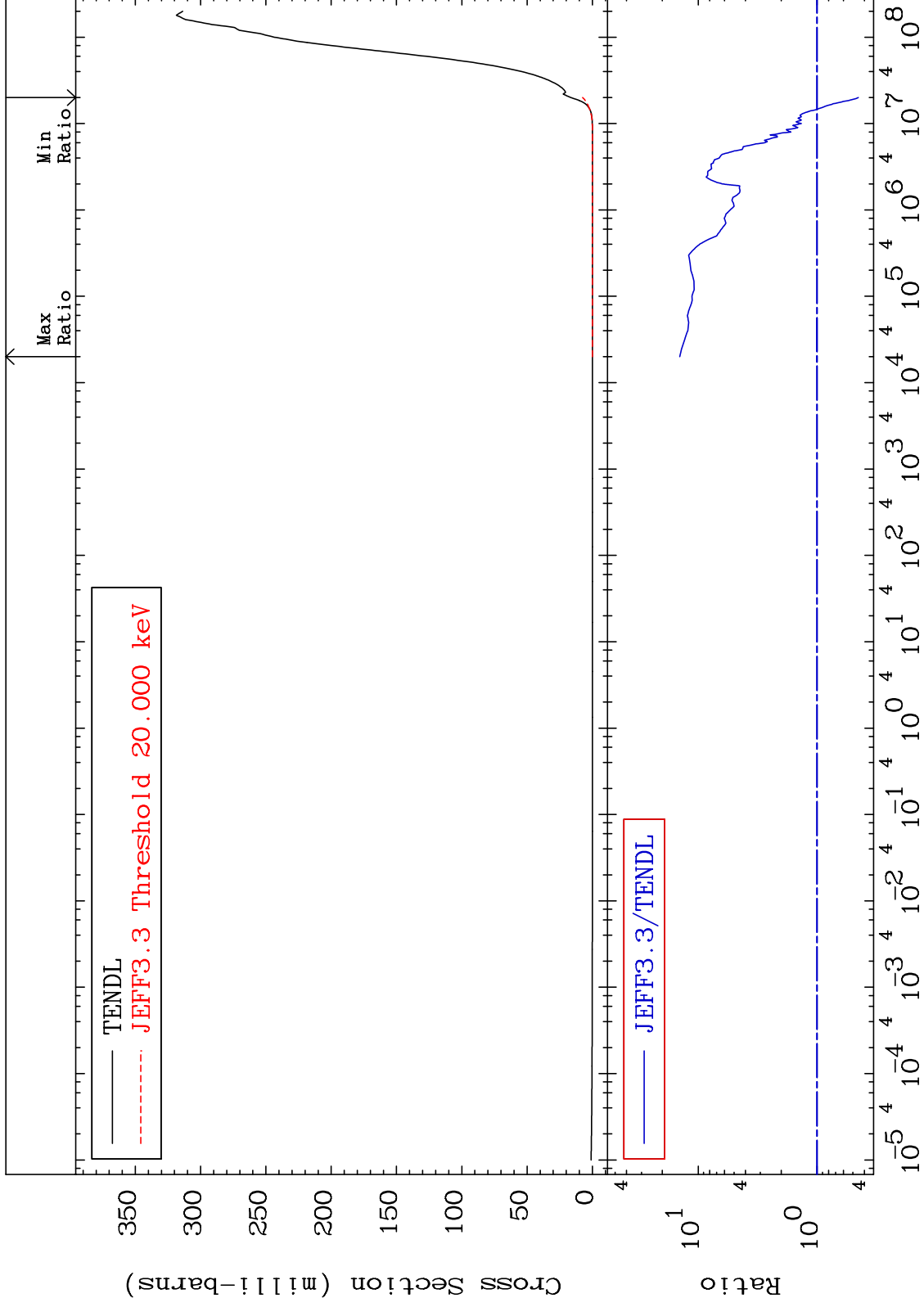
Incident Energy (eV)

40

MAT 6646

He-4 Production  
Cross Section

66-Dy-163  
-54.96 To 1327. %



41

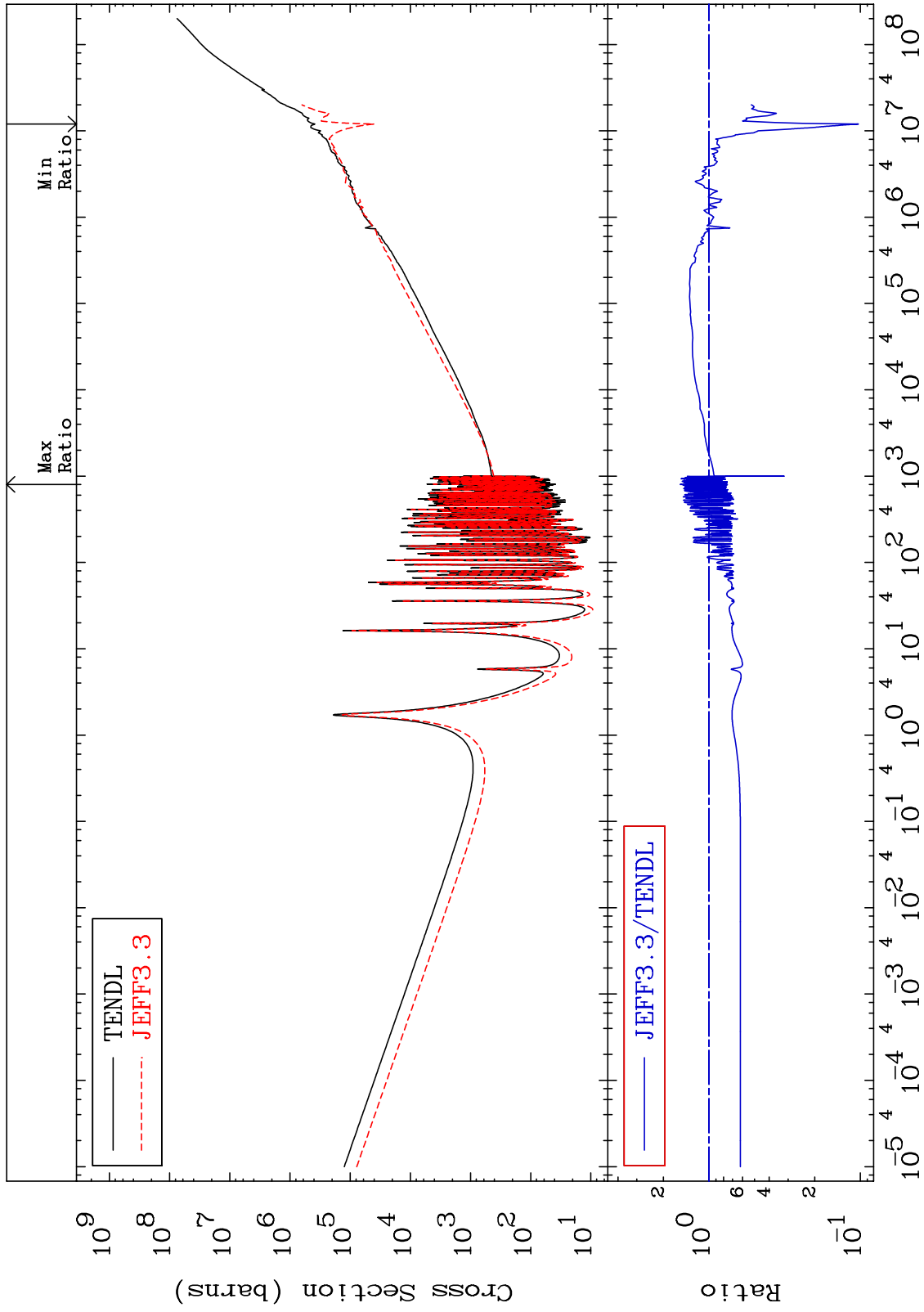
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma total (eV-barns)  
Cross Section

66-Dy-163  
-89.71 To 55.46 %



42

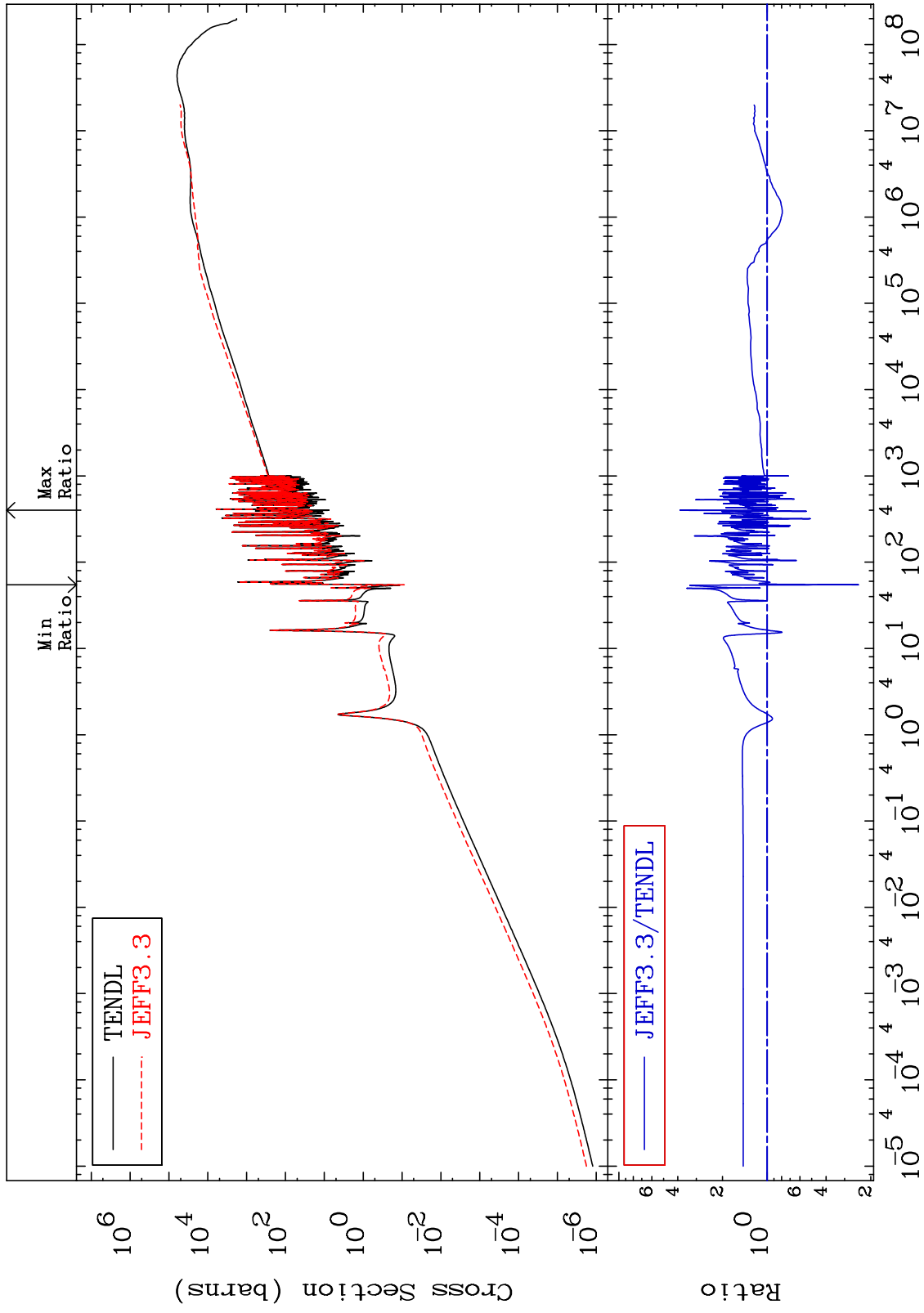
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma elastic  
Cross Section

66-Dy-163  
-75.78 To 286.8 %



43

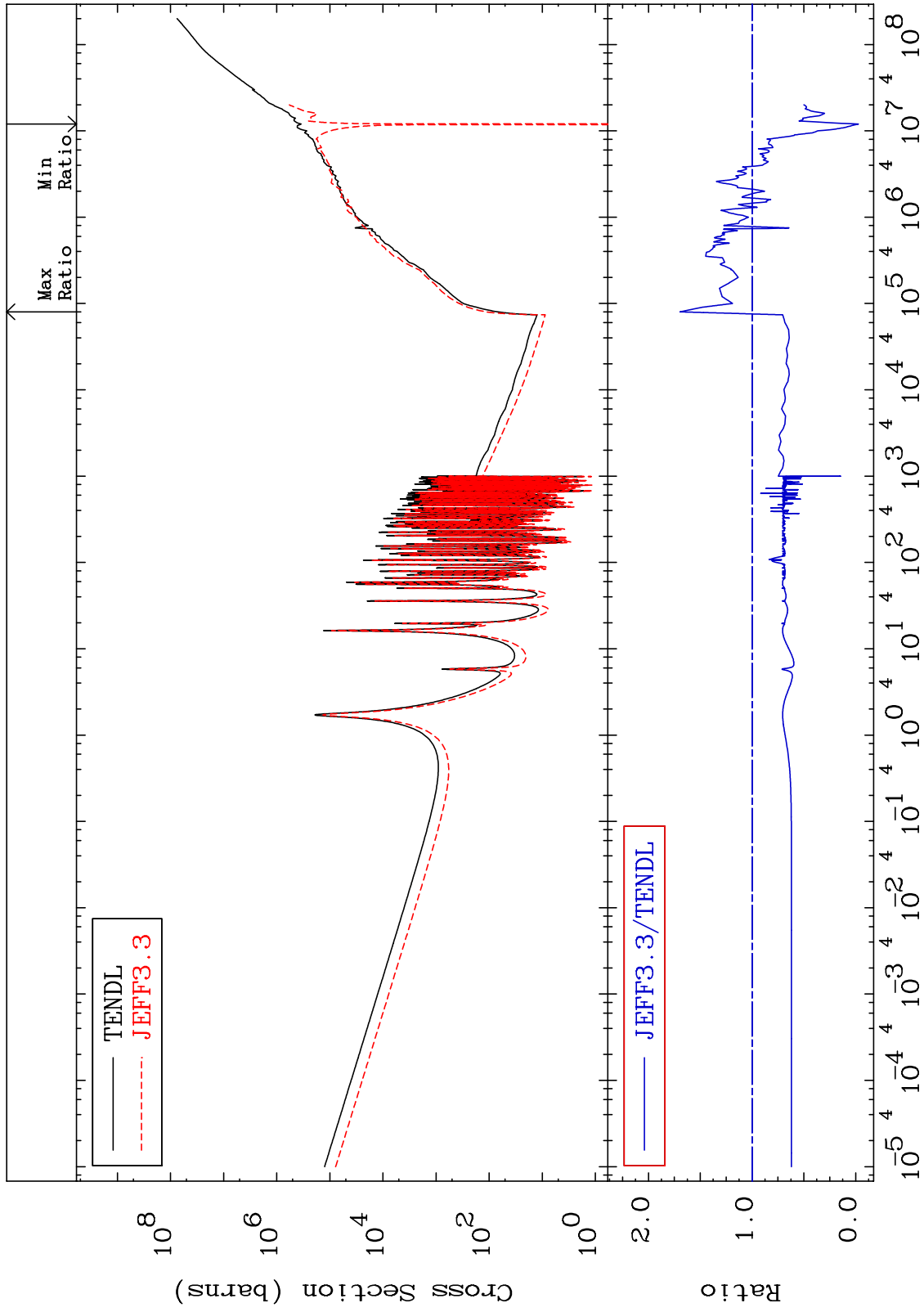
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma non-elastic (all but mt2)  
Cross Section

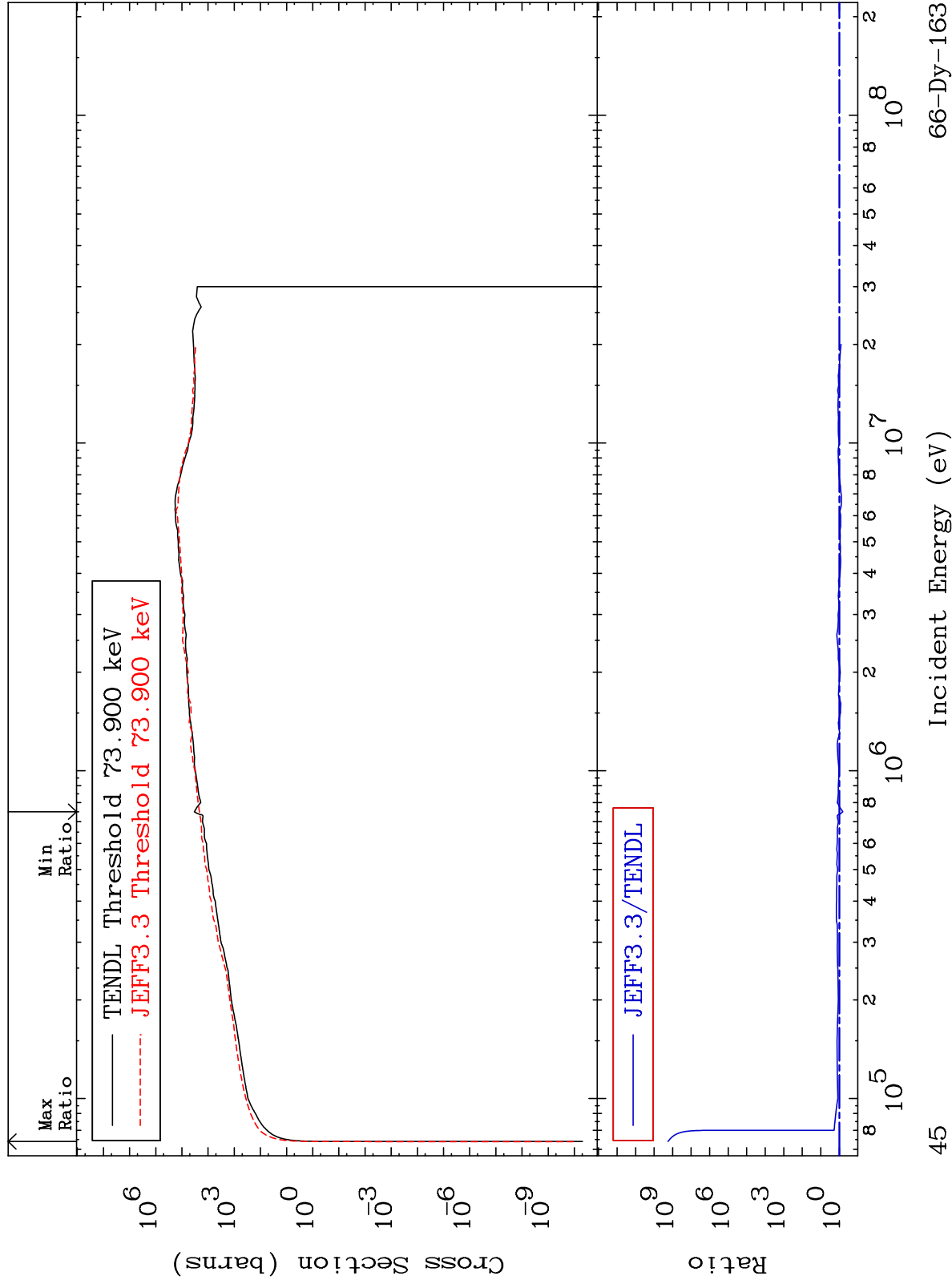
66-Dy-163  
-102.6 To 69.52 %



MAT 6646

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-163  
-35.69 To 9999. %



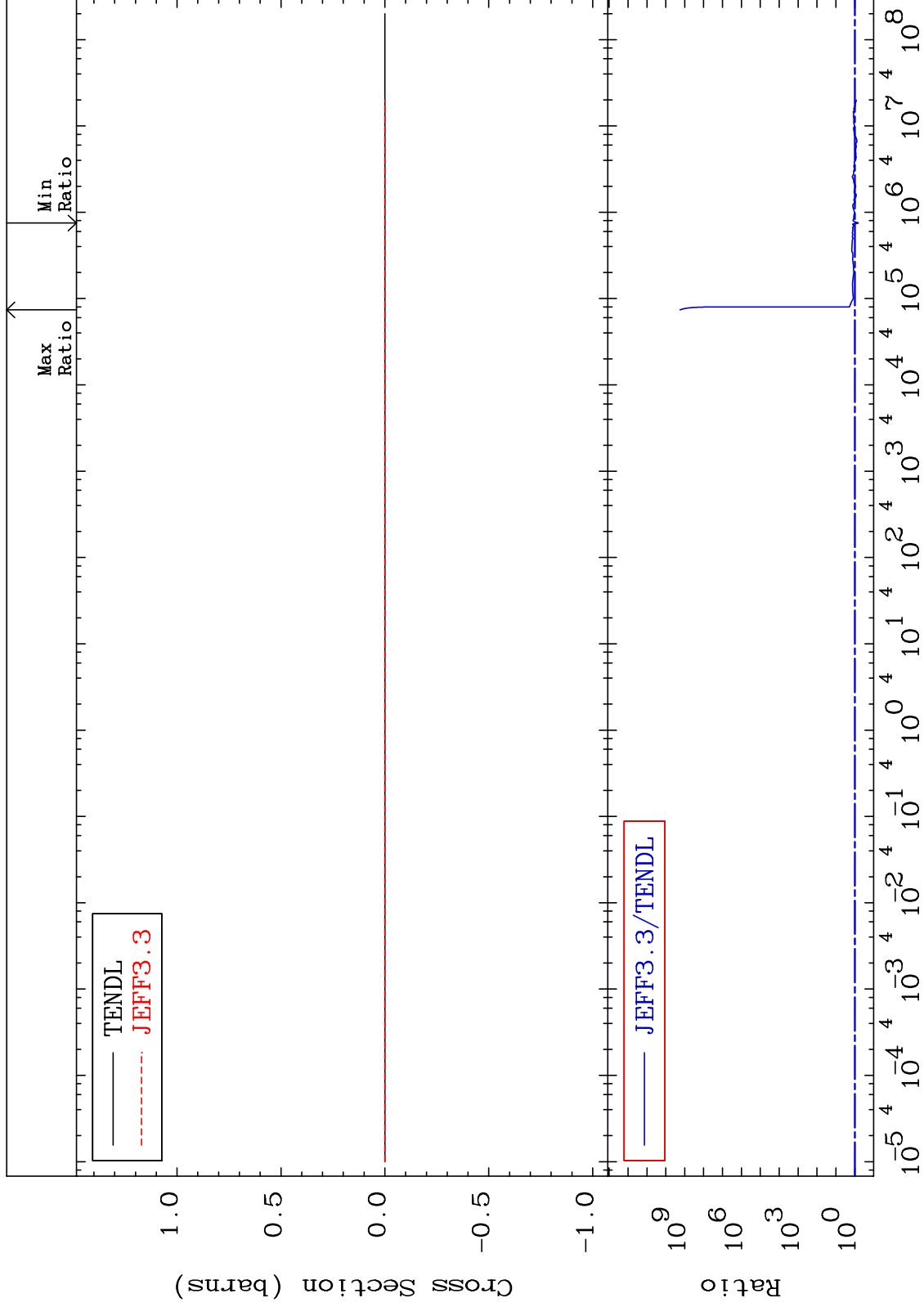
45

66-Dy-163

MAT 6646

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

66-Dy-163  
-35.69 To 9999. %



46

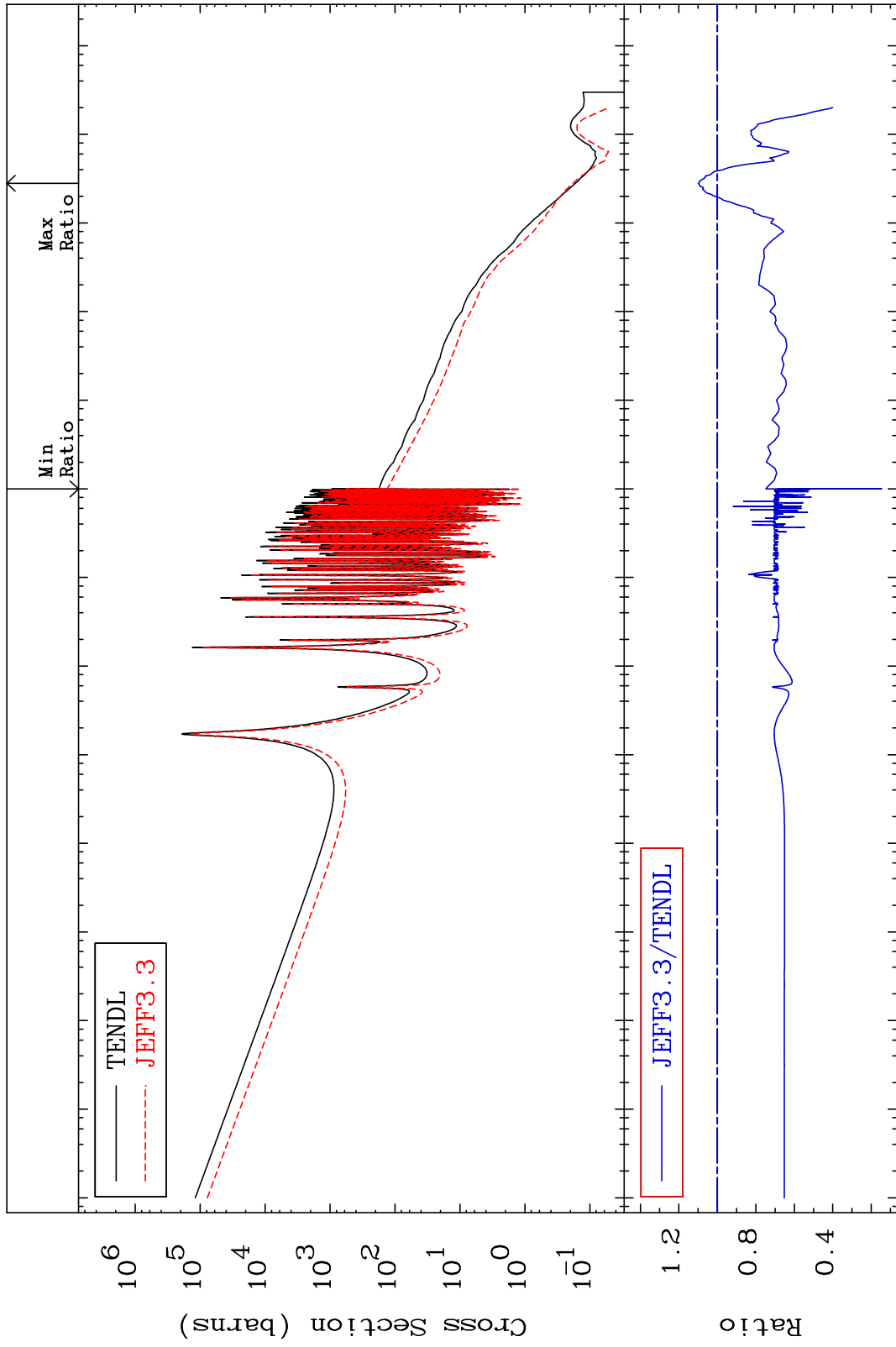
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma capture (mt102)  
Cross Section

66-Dy-163  
-85.36 To 9.878 %



47

Incident Energy (eV)

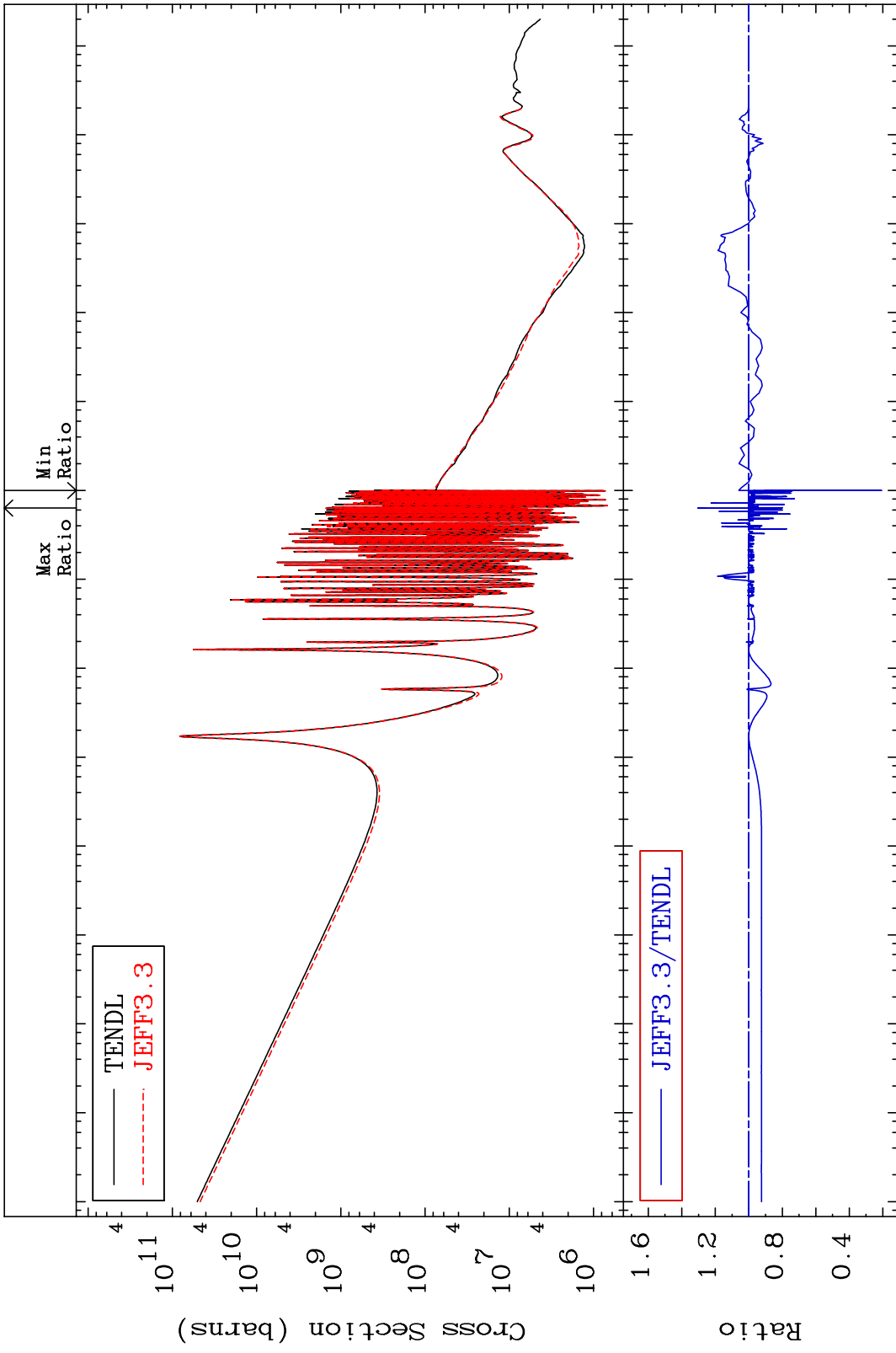
66-Dy-163



MAT 6646

Total photon (eV-barns)  
Cross Section

66-Dy-163  
-79.22 To 30.44 %



48

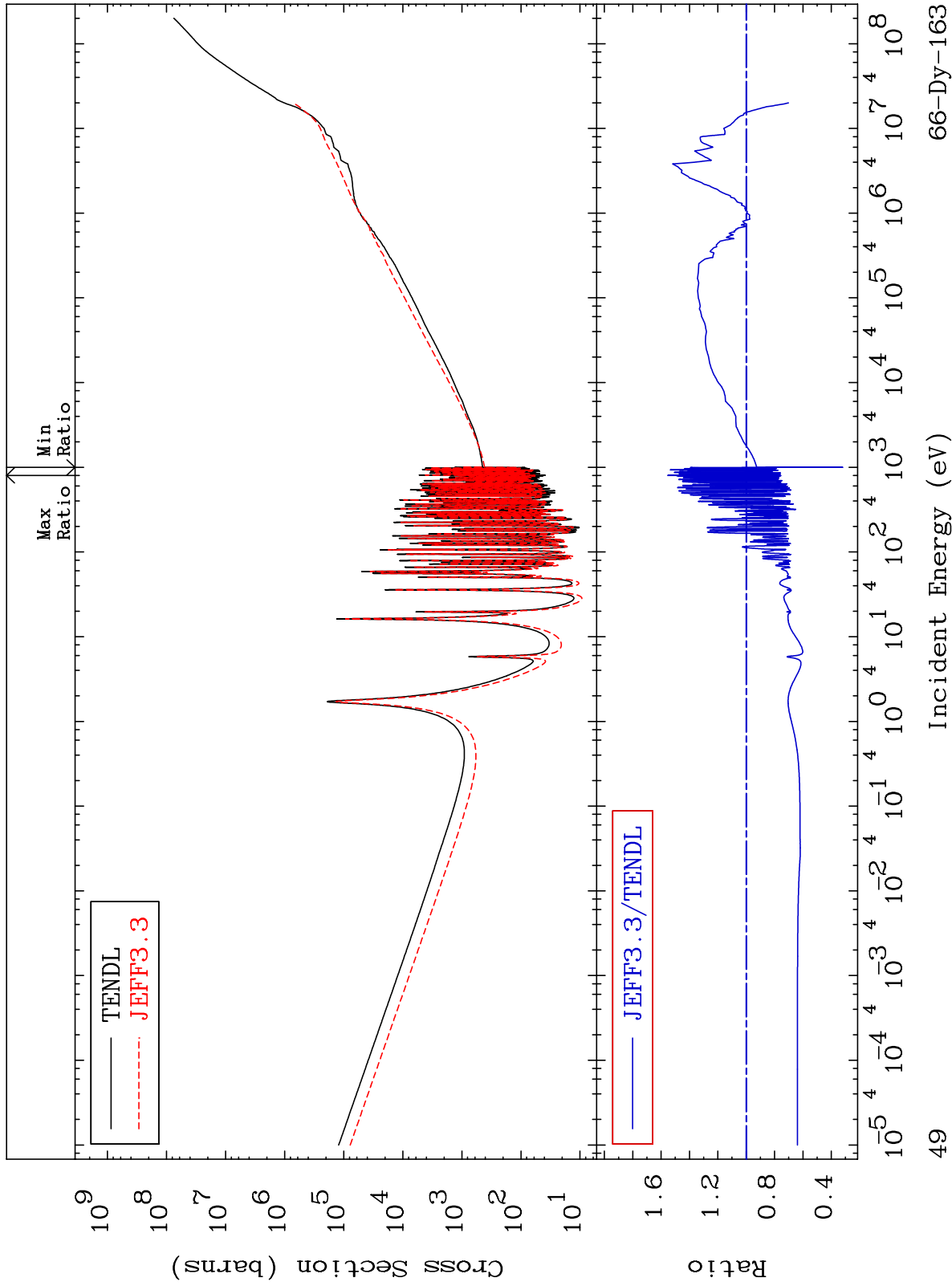
Incident Energy (eV)

66-Dy-163

MAT 6646

Total kinematic kerma (high limit)  
Cross Section

66-Dy-163  
-68.03 To 55.46 %



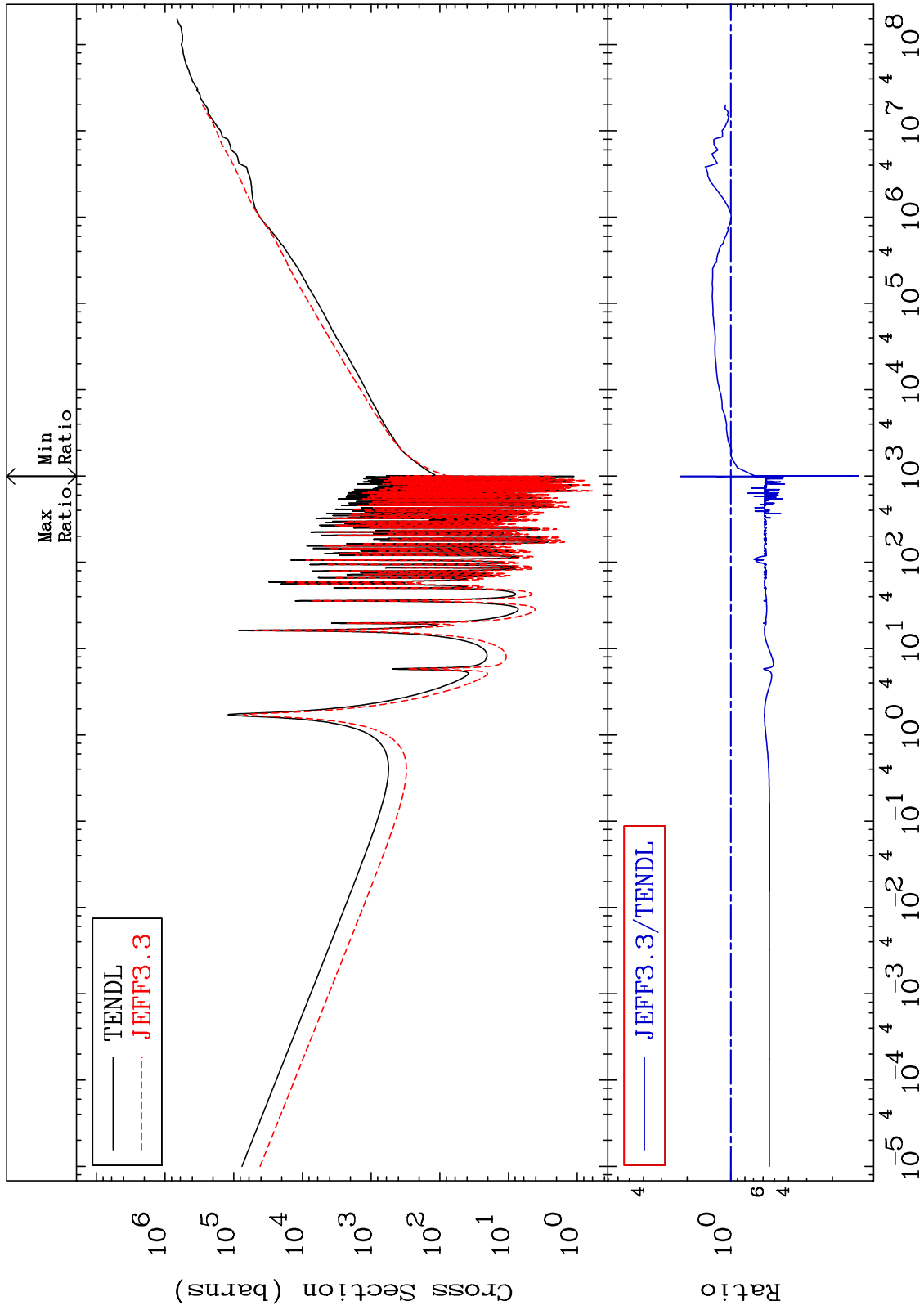
MAT 6646

Dpa total (eV-barns)

66-Dy-163

Cross Section

-86.78 To 124.0 %



50

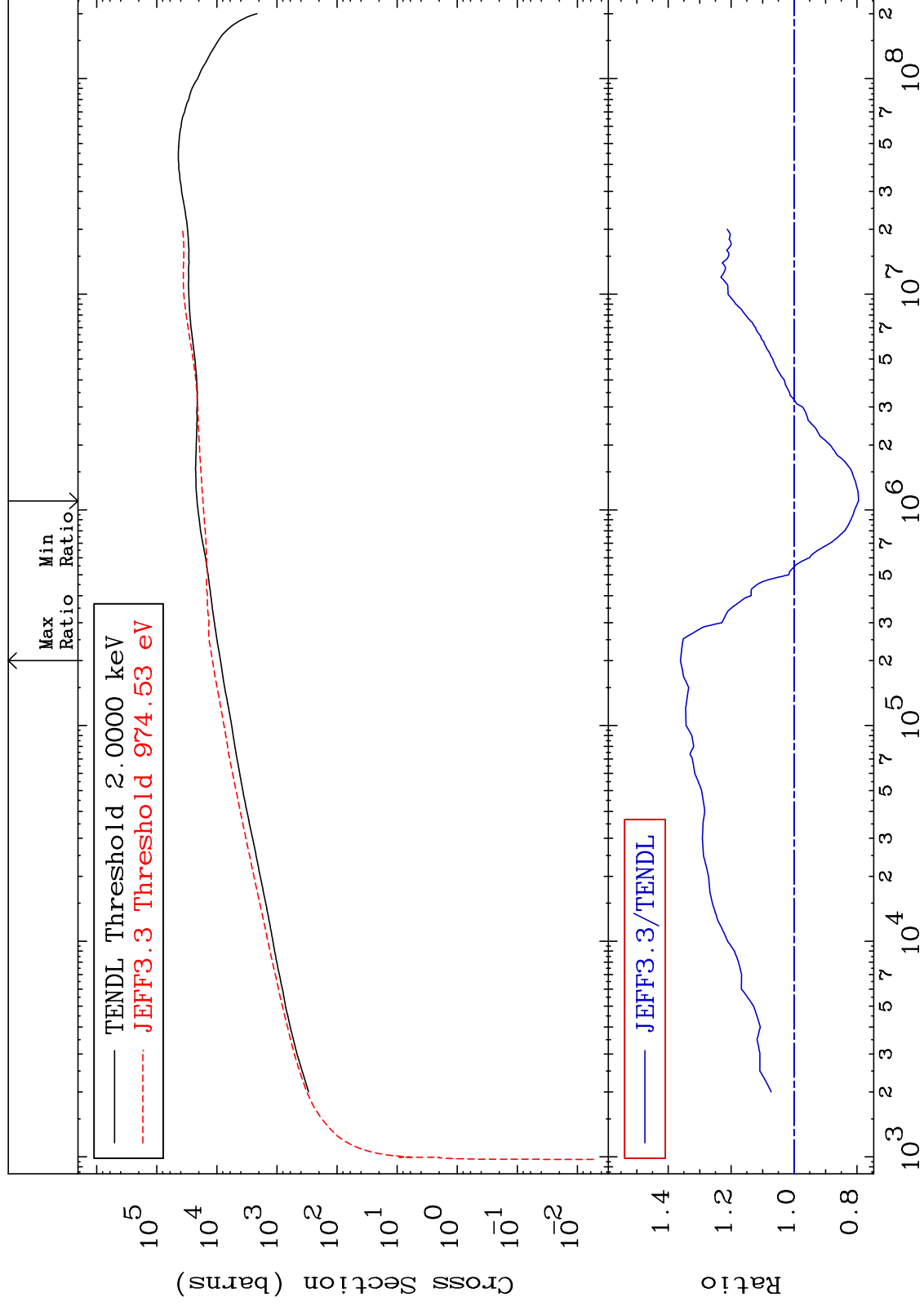
Incident Energy (eV)

66-Dy-163

MAT 6646

Dpa elastic (mt2)  
Cross Section

66-Dy-163  
-20.48 To 36.12 %



51

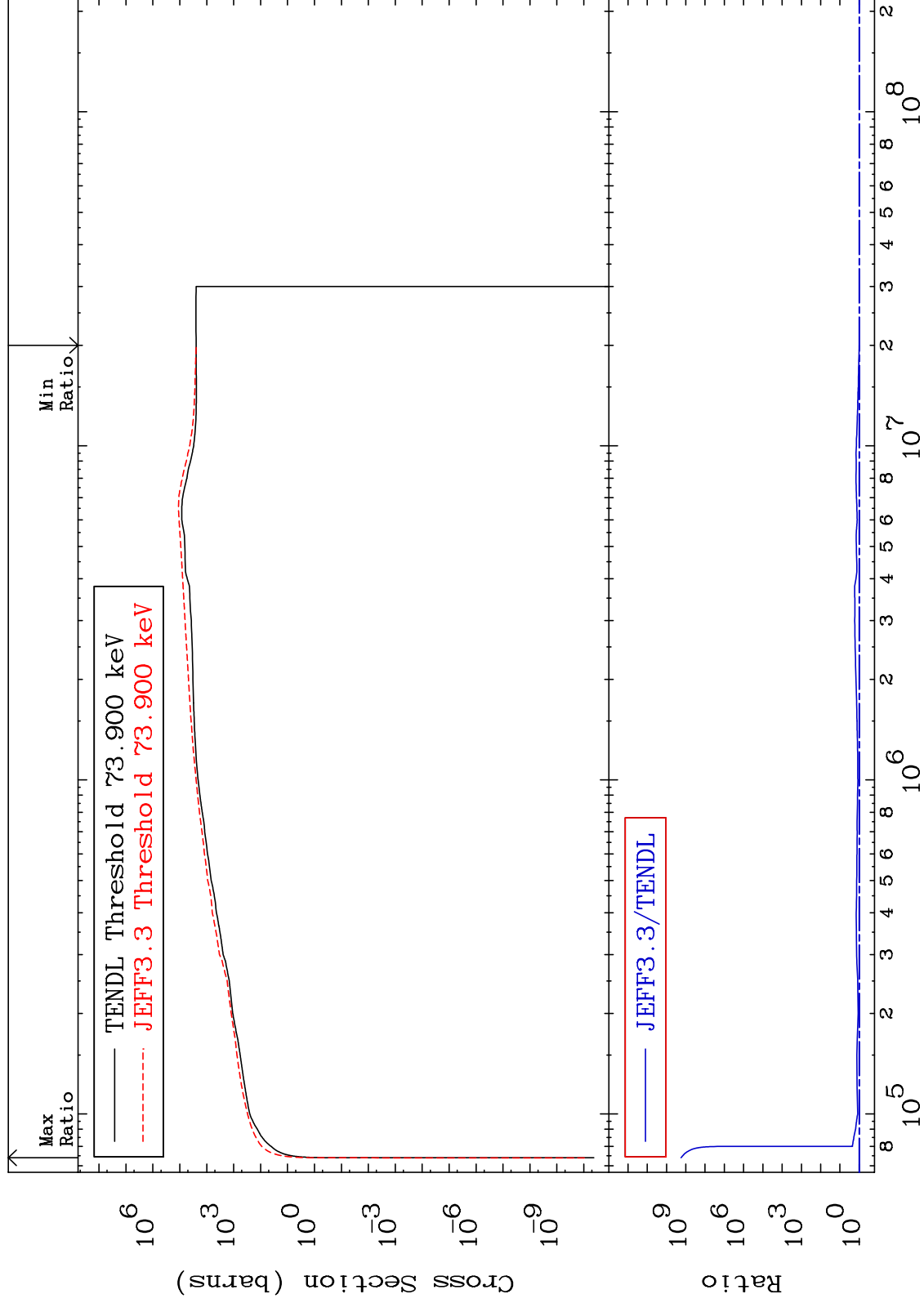
Incident Energy (eV)

66-Dy-163

MAT 6646

Dpa inelastic (mt51-91)  
Cross Section

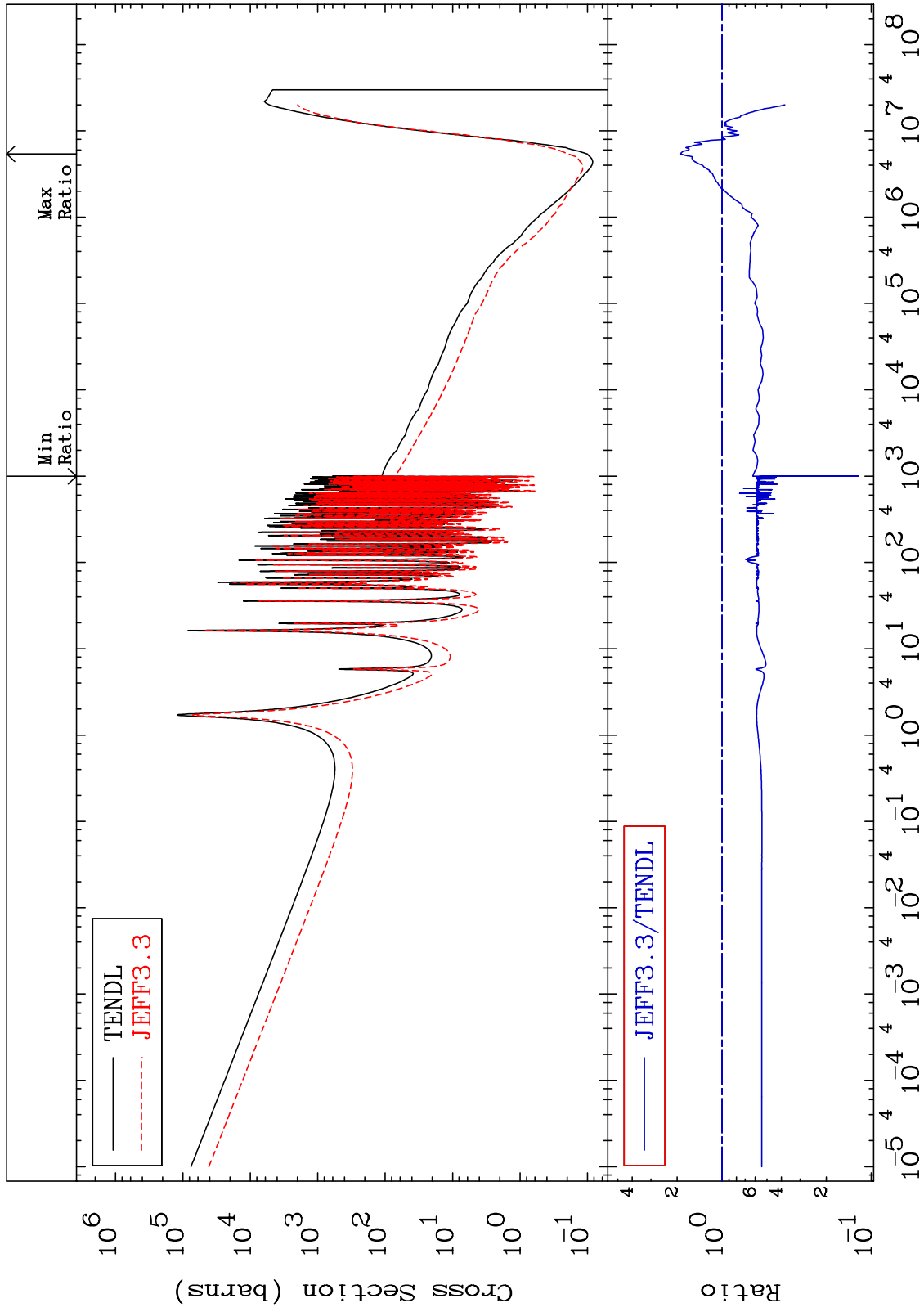
66-Dy-163  
-1.154 To 9999. %



MAT 6646

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-163  
-87.80 To 91.44 %



53

Incident Energy (eV)

66-Dy-163