

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

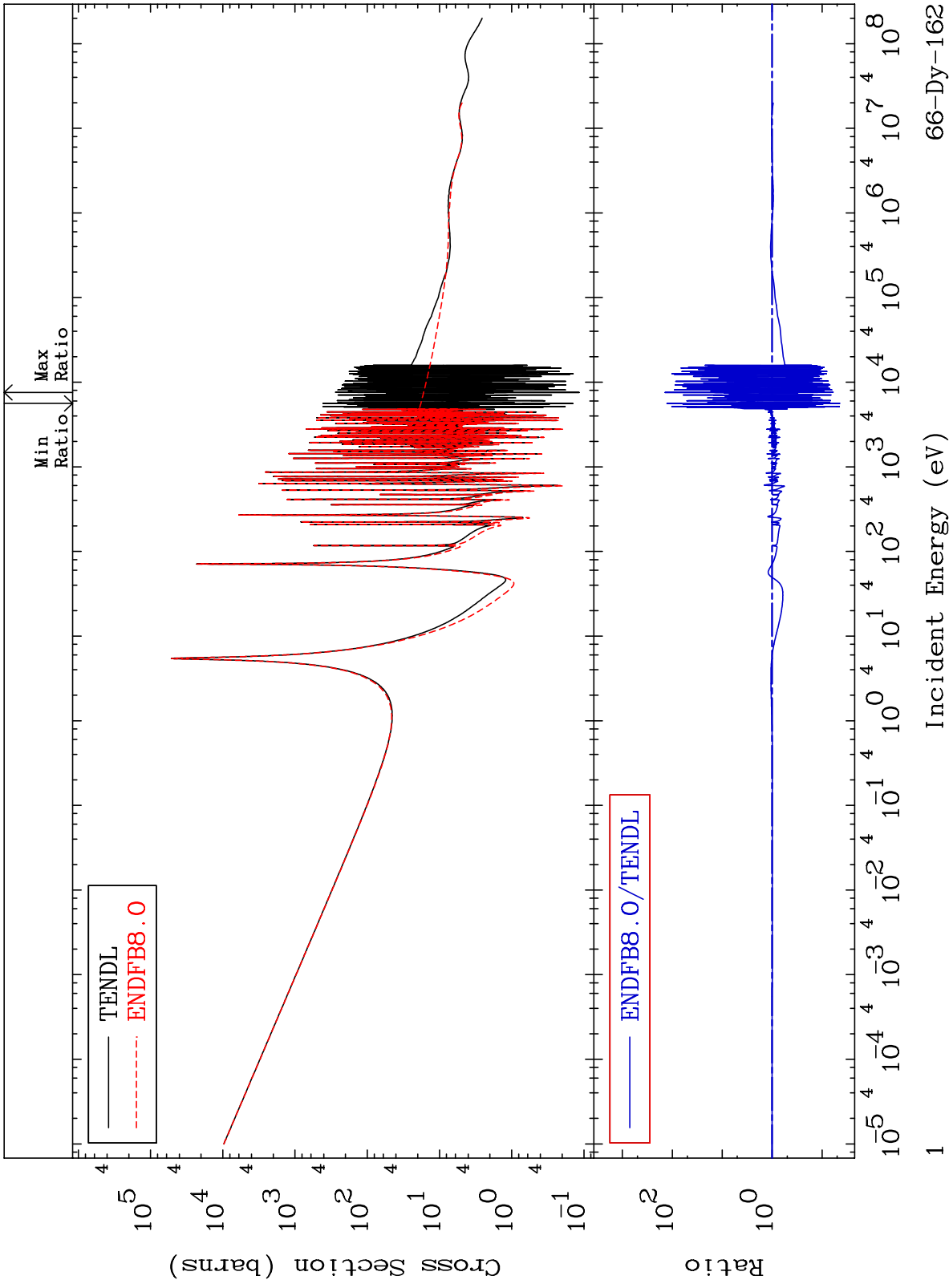
MAT 6643

Total

66-Dy-162

Cross Section

-95.57 To 9999. %



Incident Energy (eV)

66-Dy-162

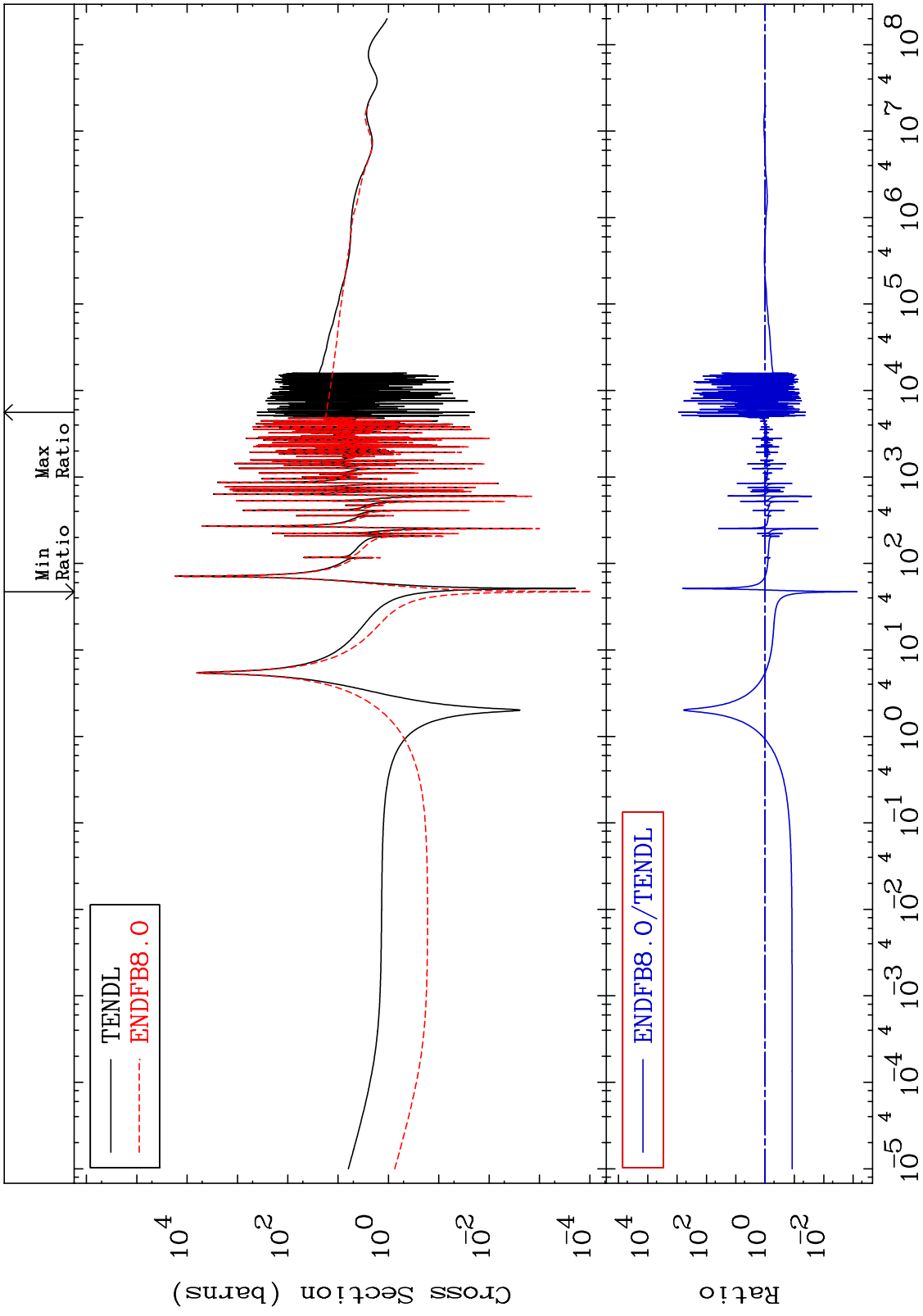
MAT 6643

Elastic

Cross Section

66-Dy-162

-99.93 To 9999. %





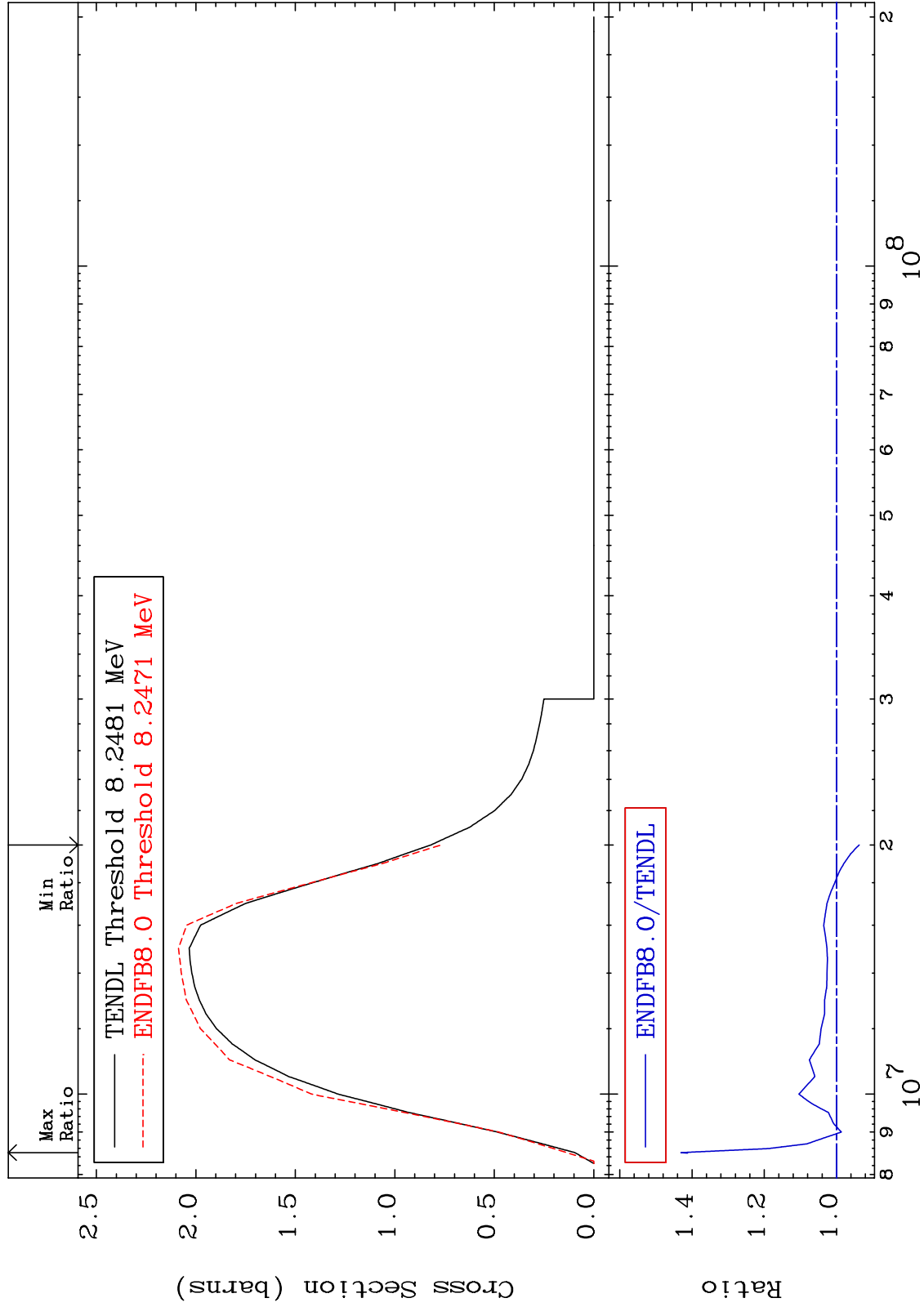
MAT 6643

(n,2n)

66-Dy-162

Cross Section

-6.295 To 43.03 %



4

Incident Energy (eV)

66-Dy-162

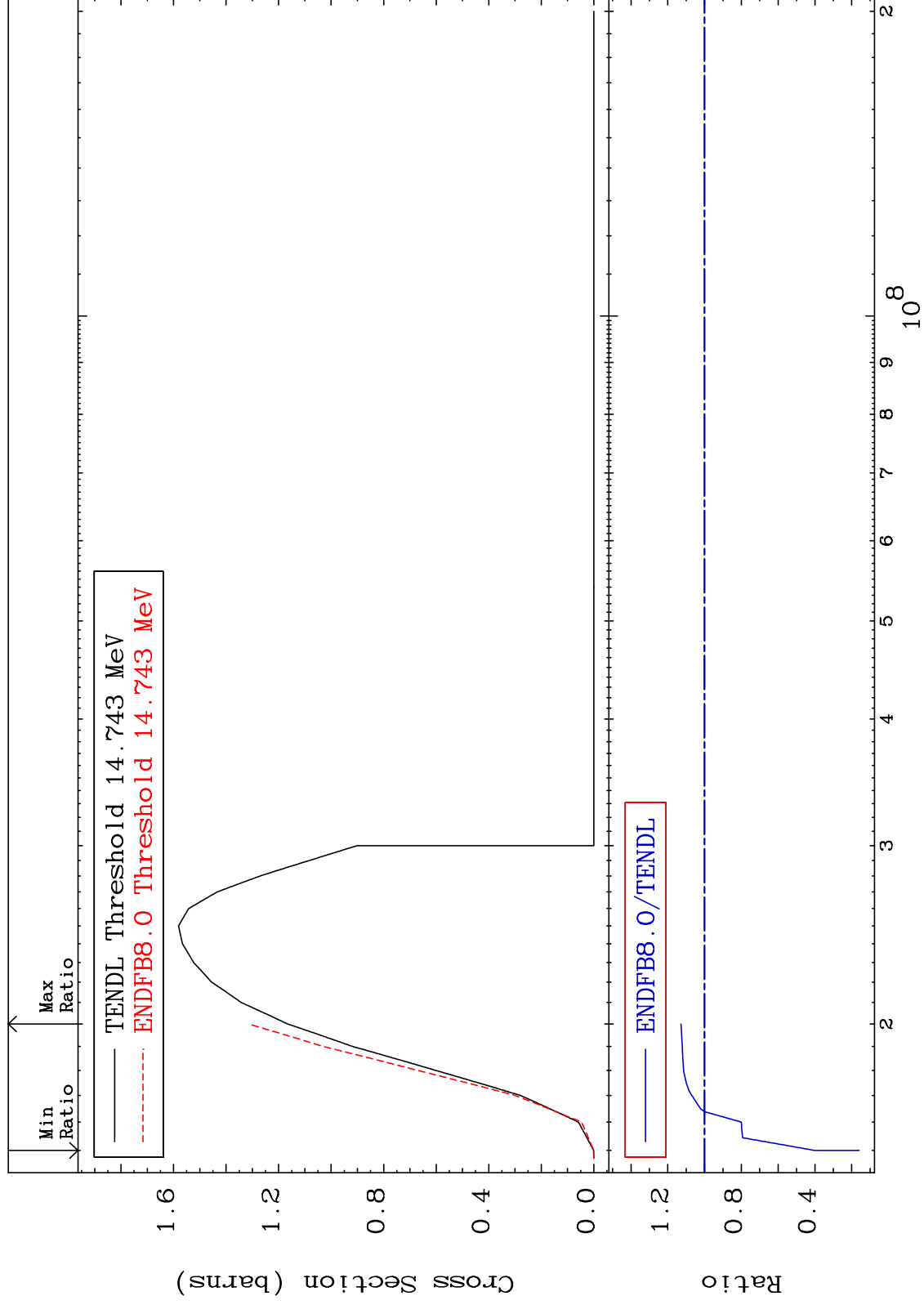
MAT 6643

(n, 3n)

66-Dy-162

Cross Section

-84.12 To 12.79 %



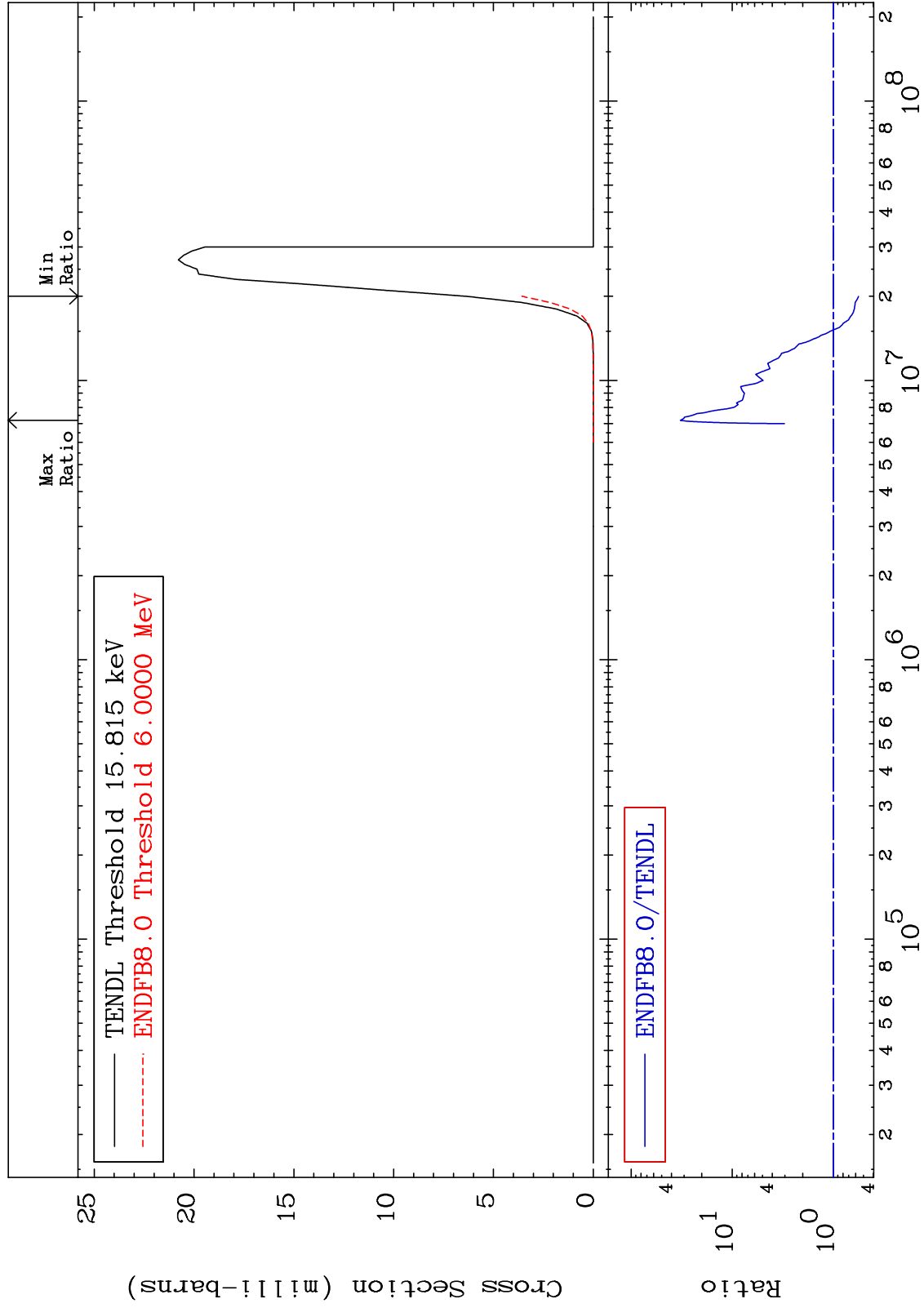
MAT 6643

(n,n')  $\alpha$

66-Dy-162

Cross Section

-43.94 To 3153. %



MAT 6643

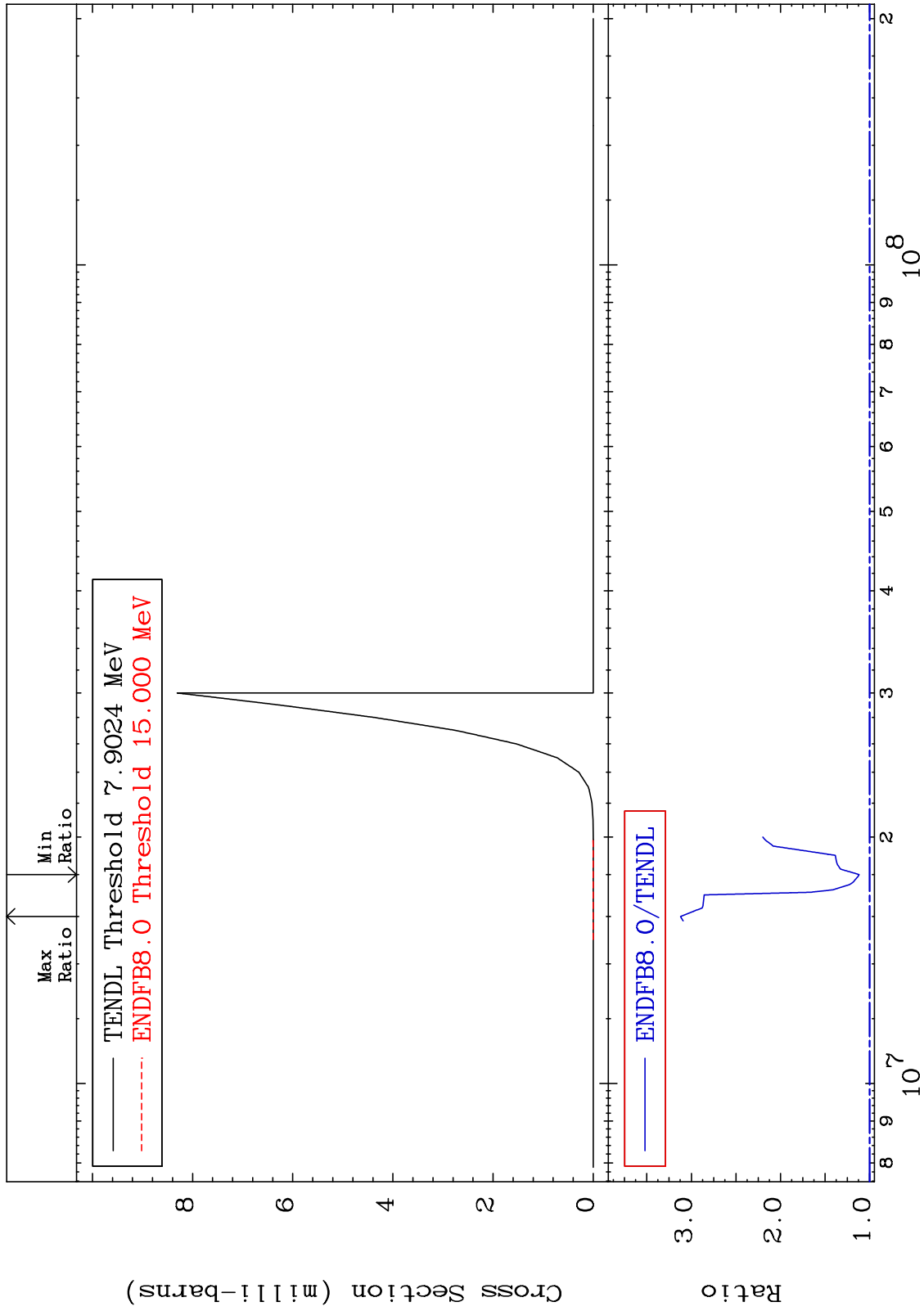
(n,2n)  $\alpha$

66-Dy-162

Cross Section

11.76

To 212.1 %



7

Incident Energy (eV)

66-Dy-162



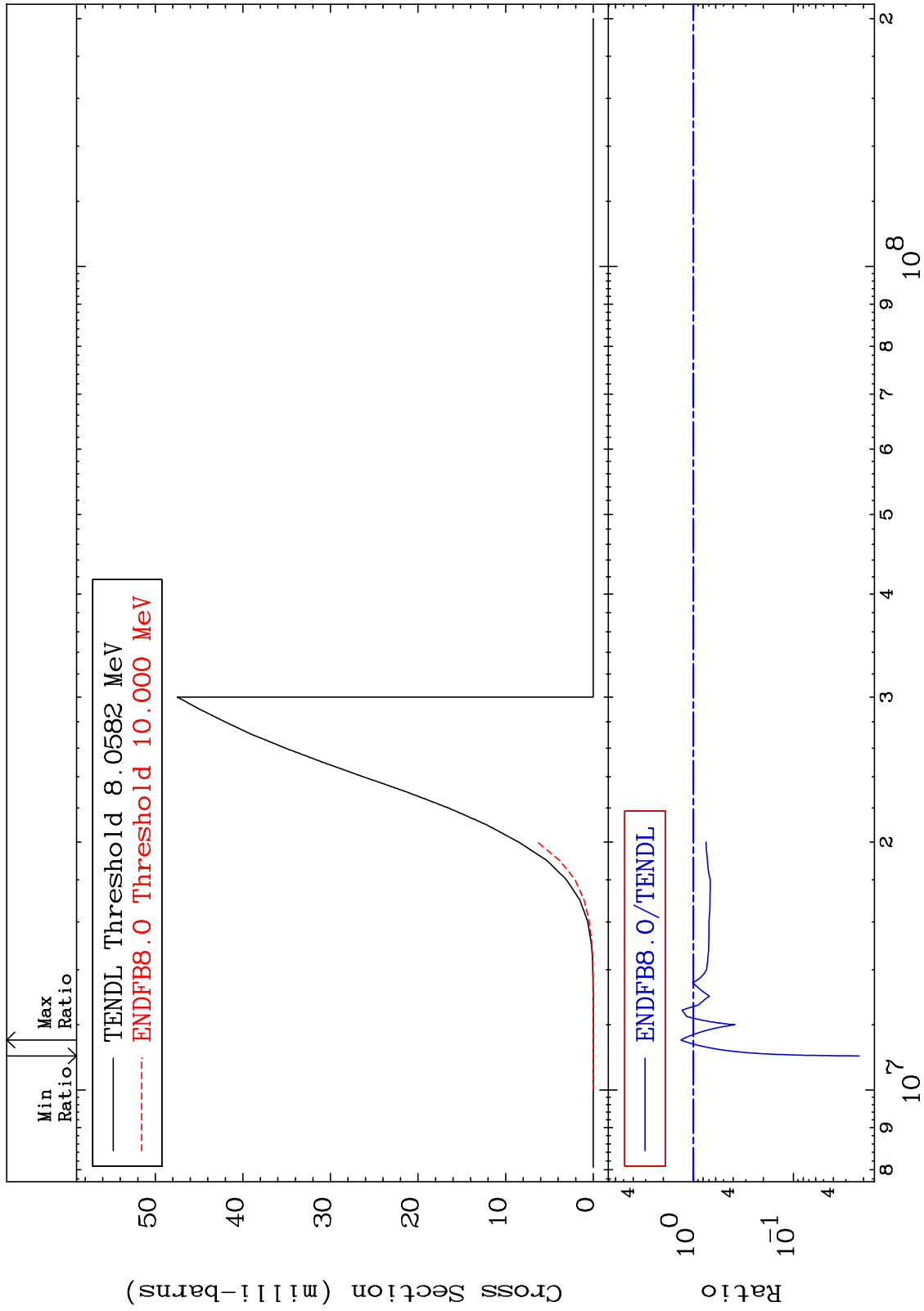
MAT 6643

(n,n') p

66-Dy-162

Cross Section

-97.79 To 34.30 %



8

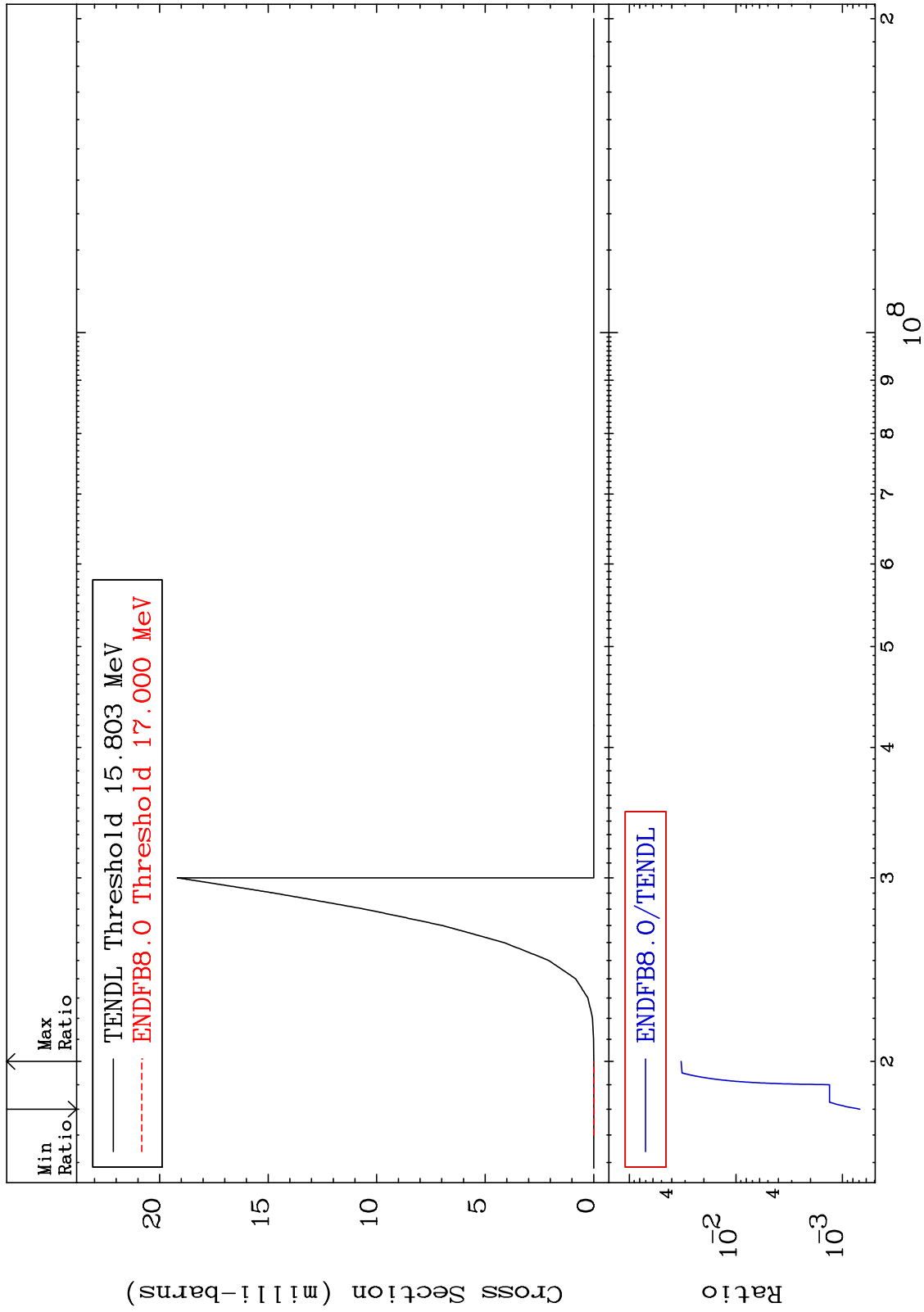
Incident Energy (eV)

66-Dy-162

MAT 6643

(n,2n) p  
Cross Section

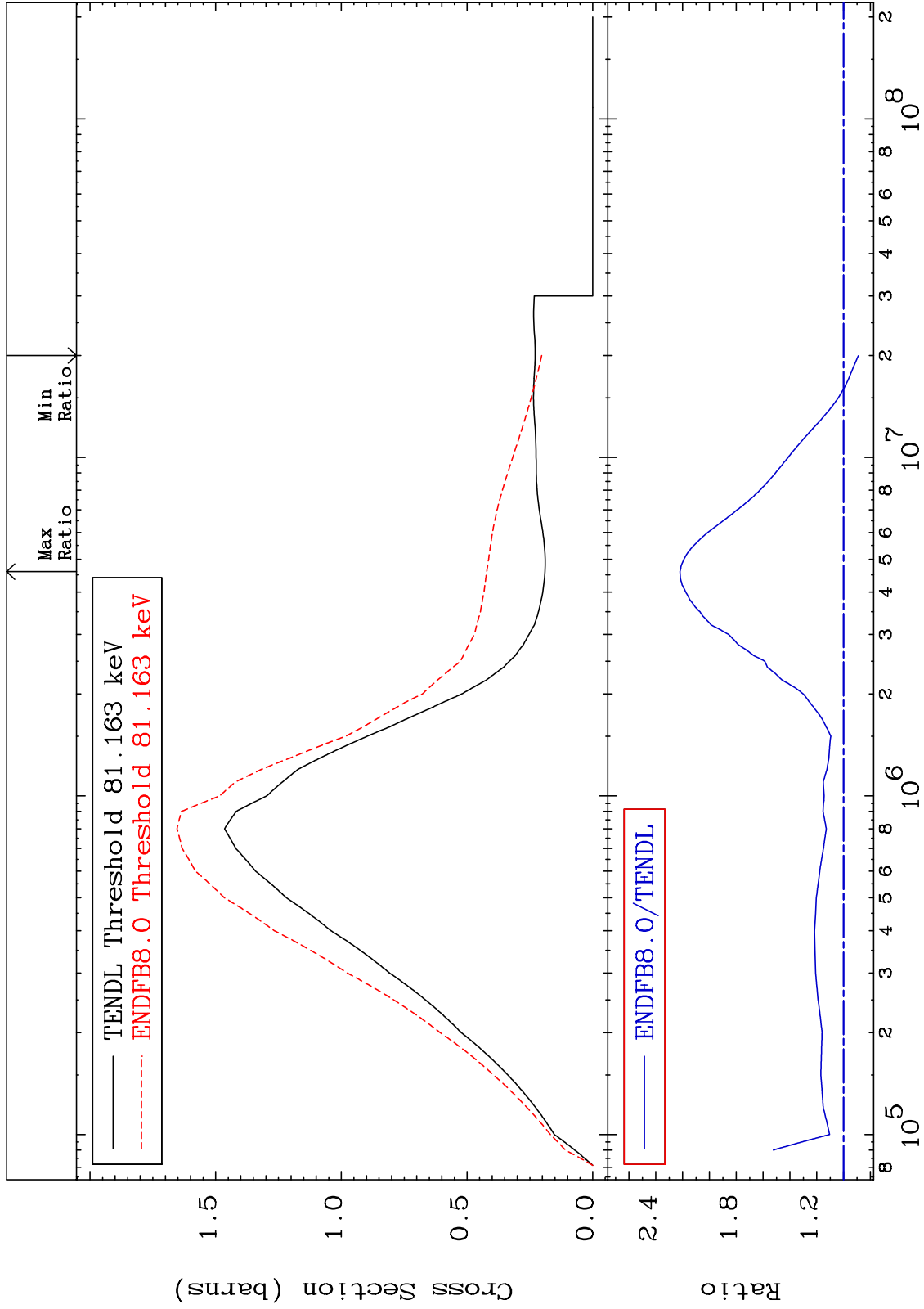
66-Dy-162  
-99.93 To -96.74%



MAT 6643

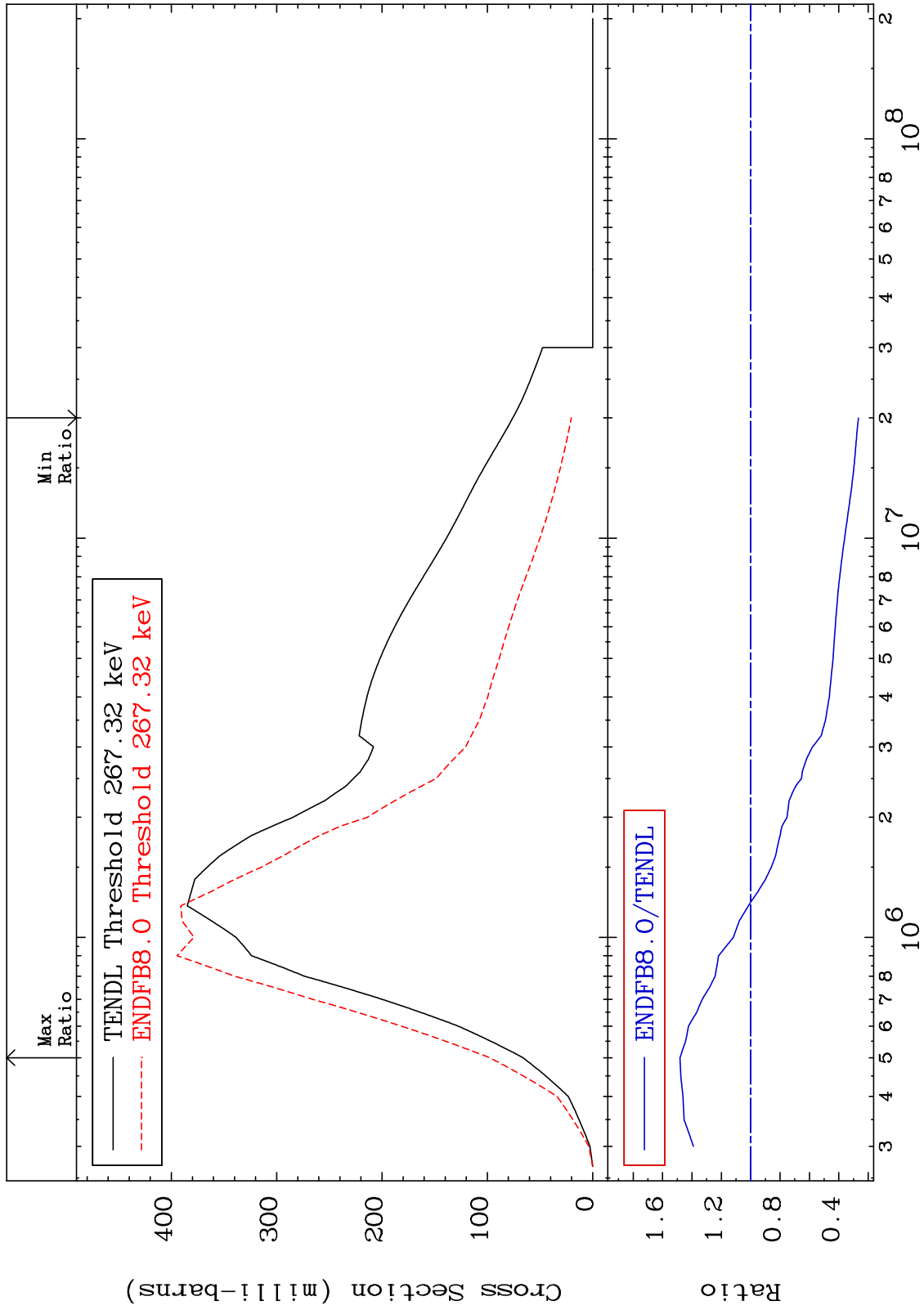
MT= 51 (n,n') Level  
Cross Section

66-Dy-162  
-11.07 To 121.9 %



Incident Energy (eV) 66-Dy-162

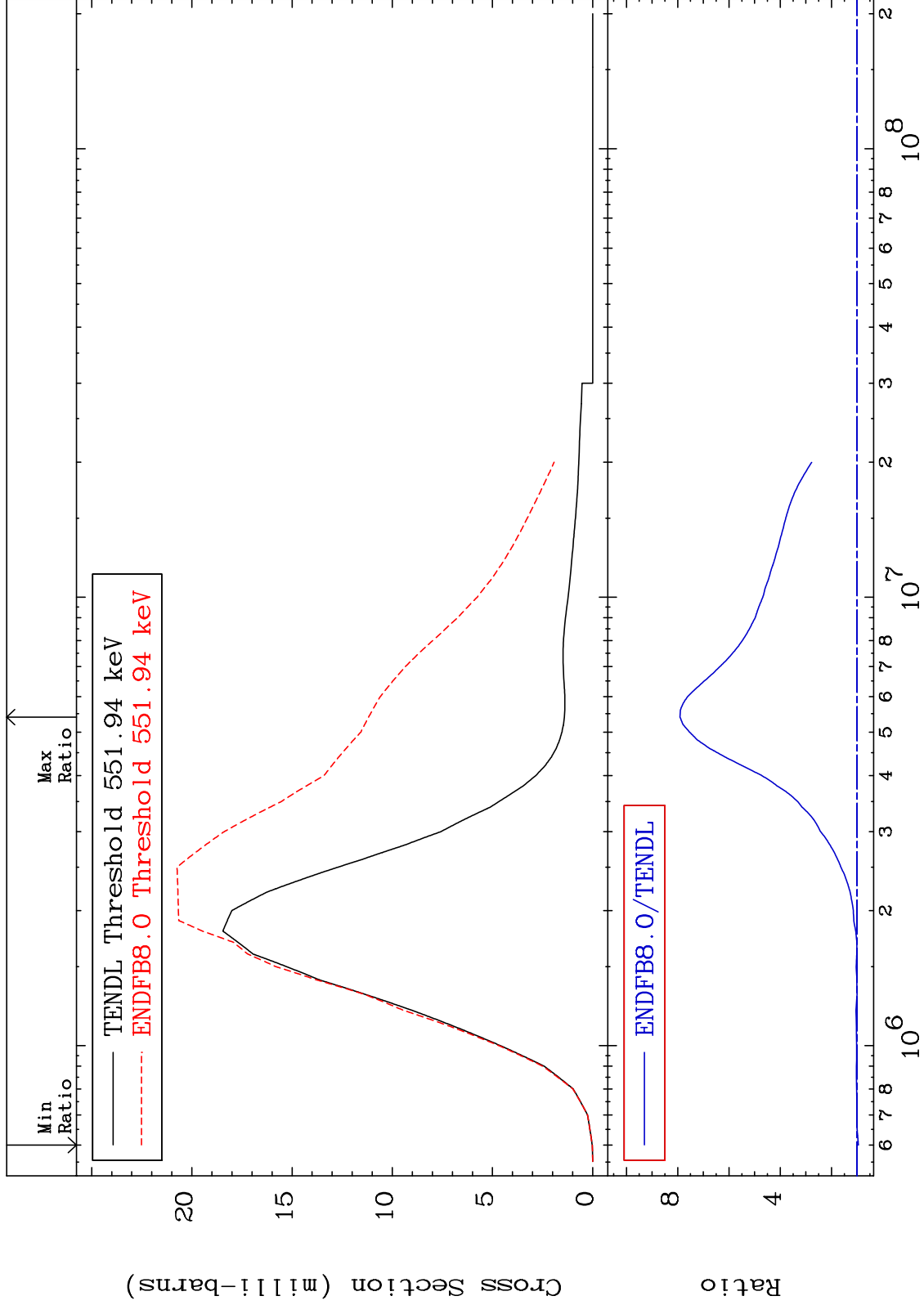
MAT 6643      MT= 52 (n,n') Level      66-Dy-162  
 Cross Section      -73.33 To 48.11 %



MAT 6643

MT= 53 (n,n') Level  
Cross Section

66-Dy-162  
-4.936 To 691.0 %



12

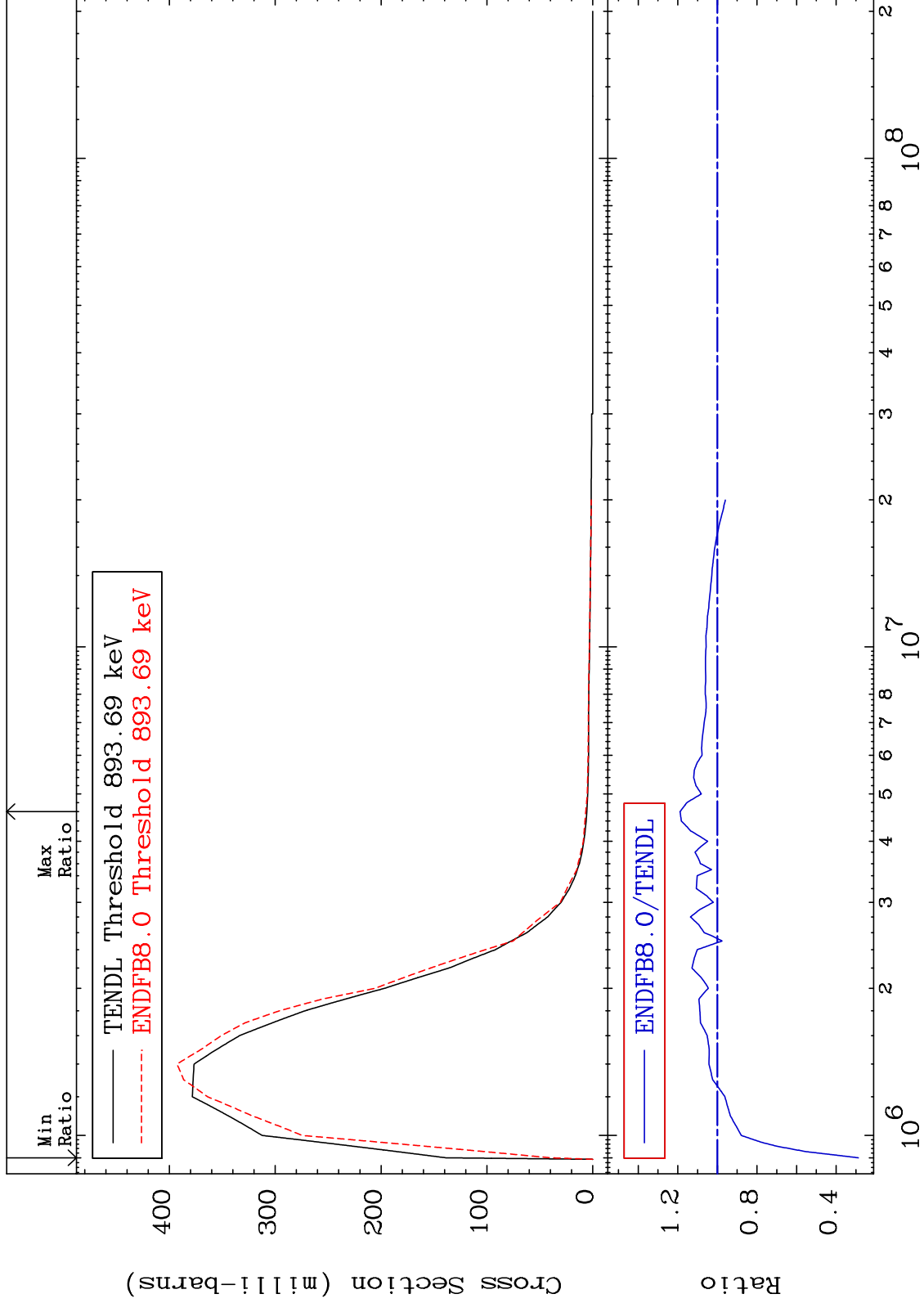
66-Dy-162

66-Dy-162

MAT 6643

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

66-Dy-162  
-71.25 To 18.87 %



13

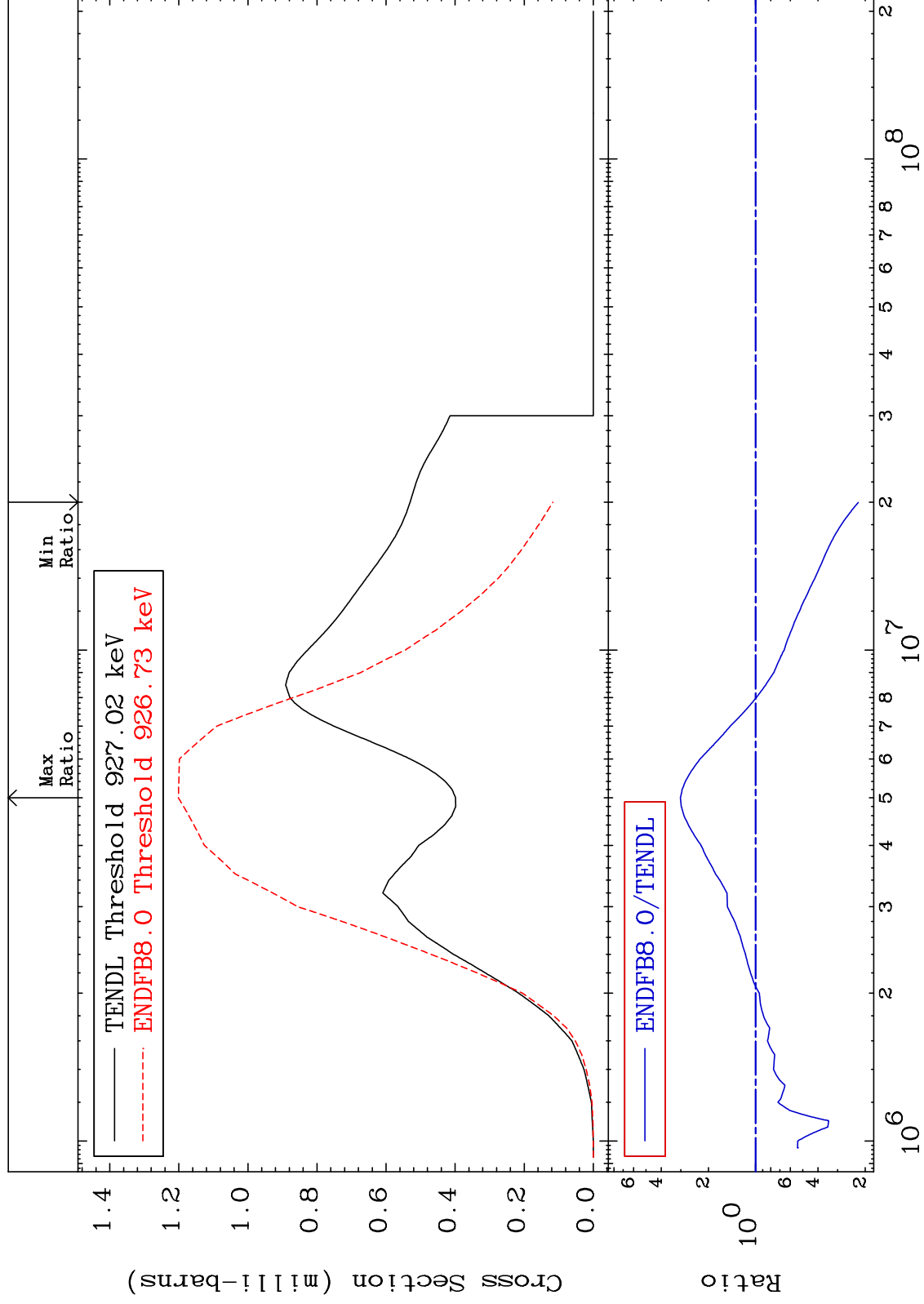
66-Dy-162

66-Dy-162

MAT 6643

MT= 55 (n,n') Level  
Cross Section

66-Dy-162  
-77.93 To 201.3 %



14

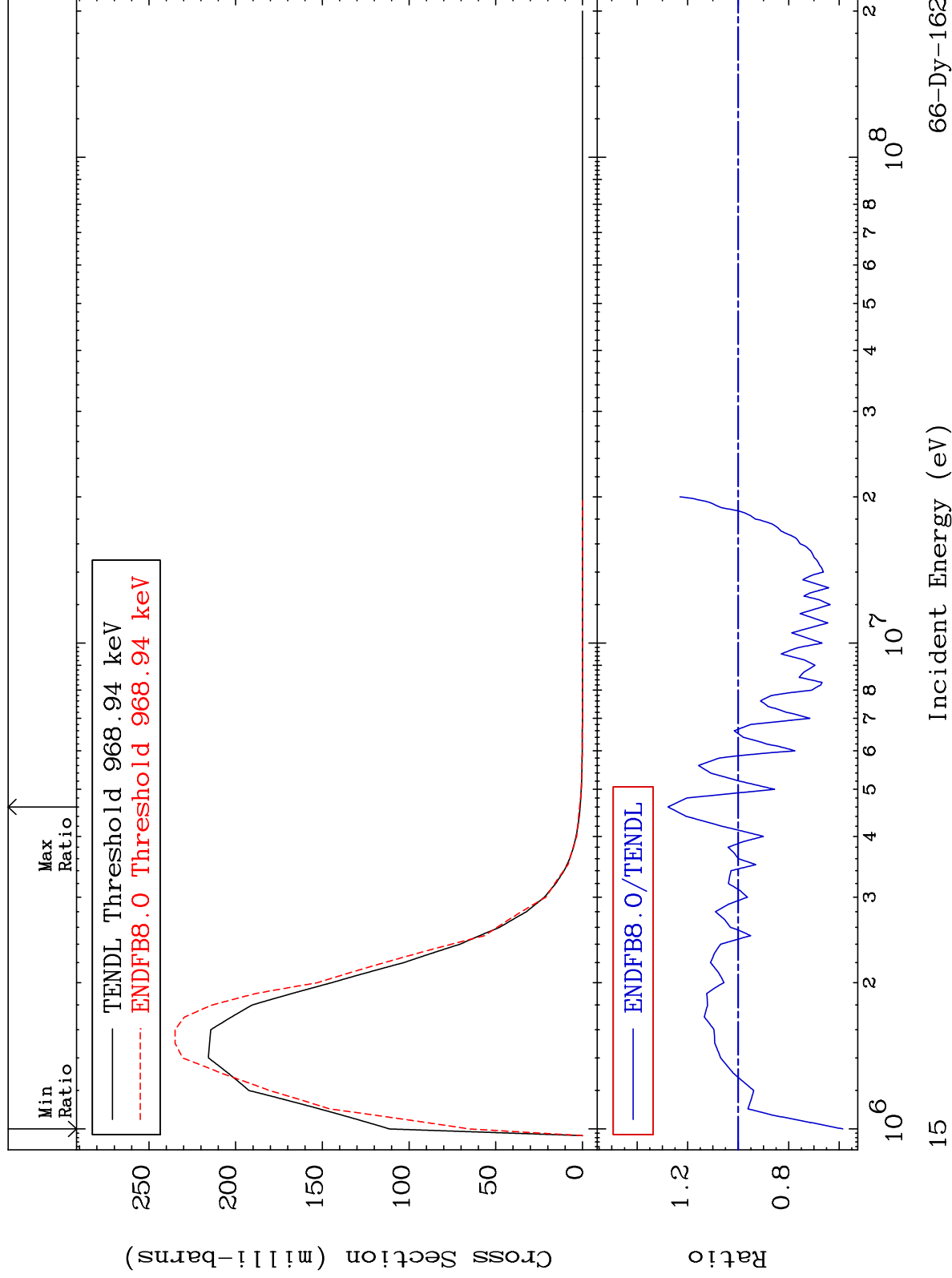
66-Dy-162

66-Dy-162

MAT 6643

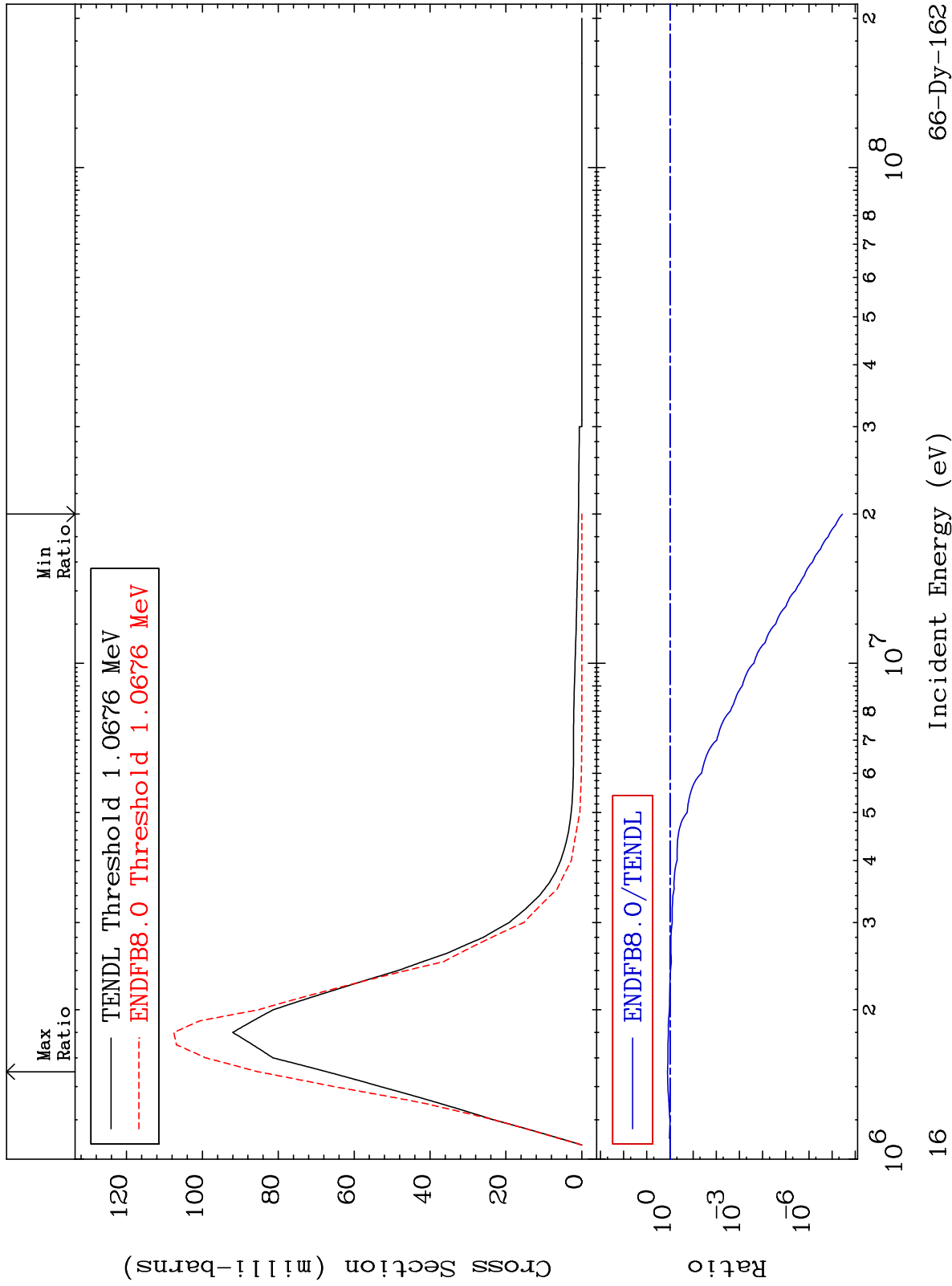
MT= 56 (n,n') Level  
Cross Section

66-Dy-162  
-41.43 To 27.76 %





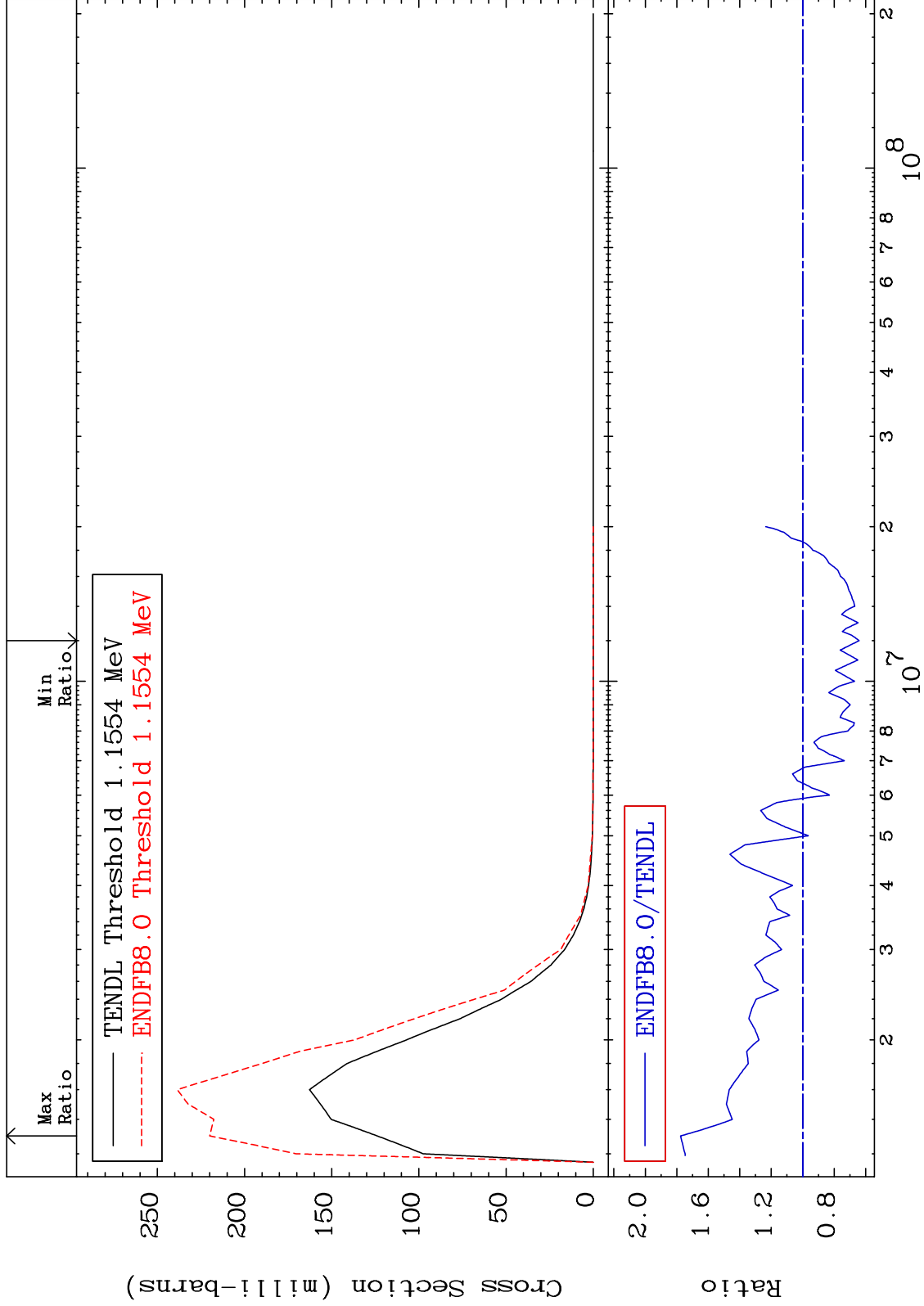
MAT 6643      MT= 57 (n,n') Level  
Cross Section      66-Dy-162  
-100.0 To 26.98 %



MAT 6643

MT= 58 (n,n') Level  
Cross Section

66-Dy-162  
-35.88 To 77.58 %

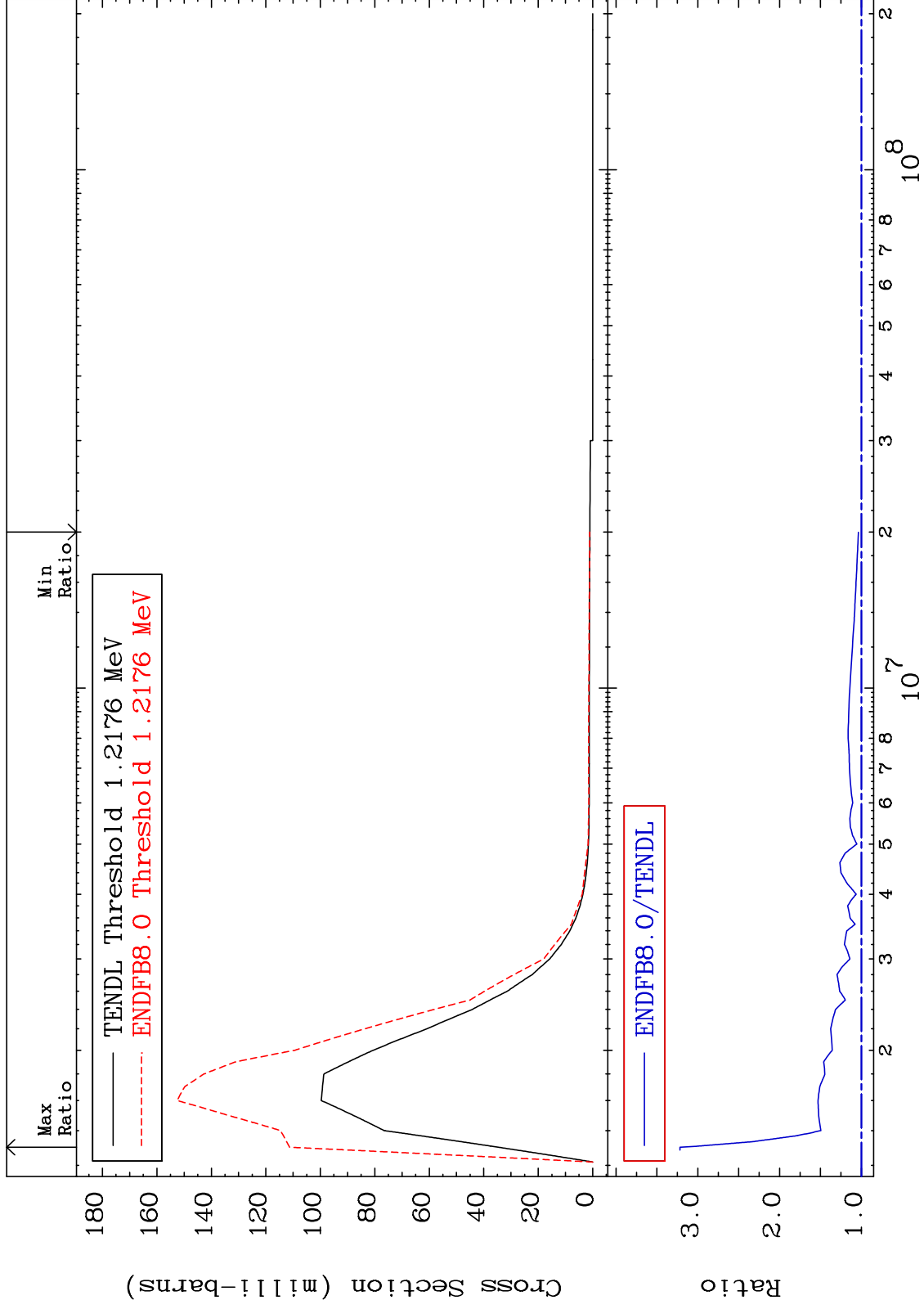




MAT 6643

MT= 60 (n,n') Level  
Cross Section

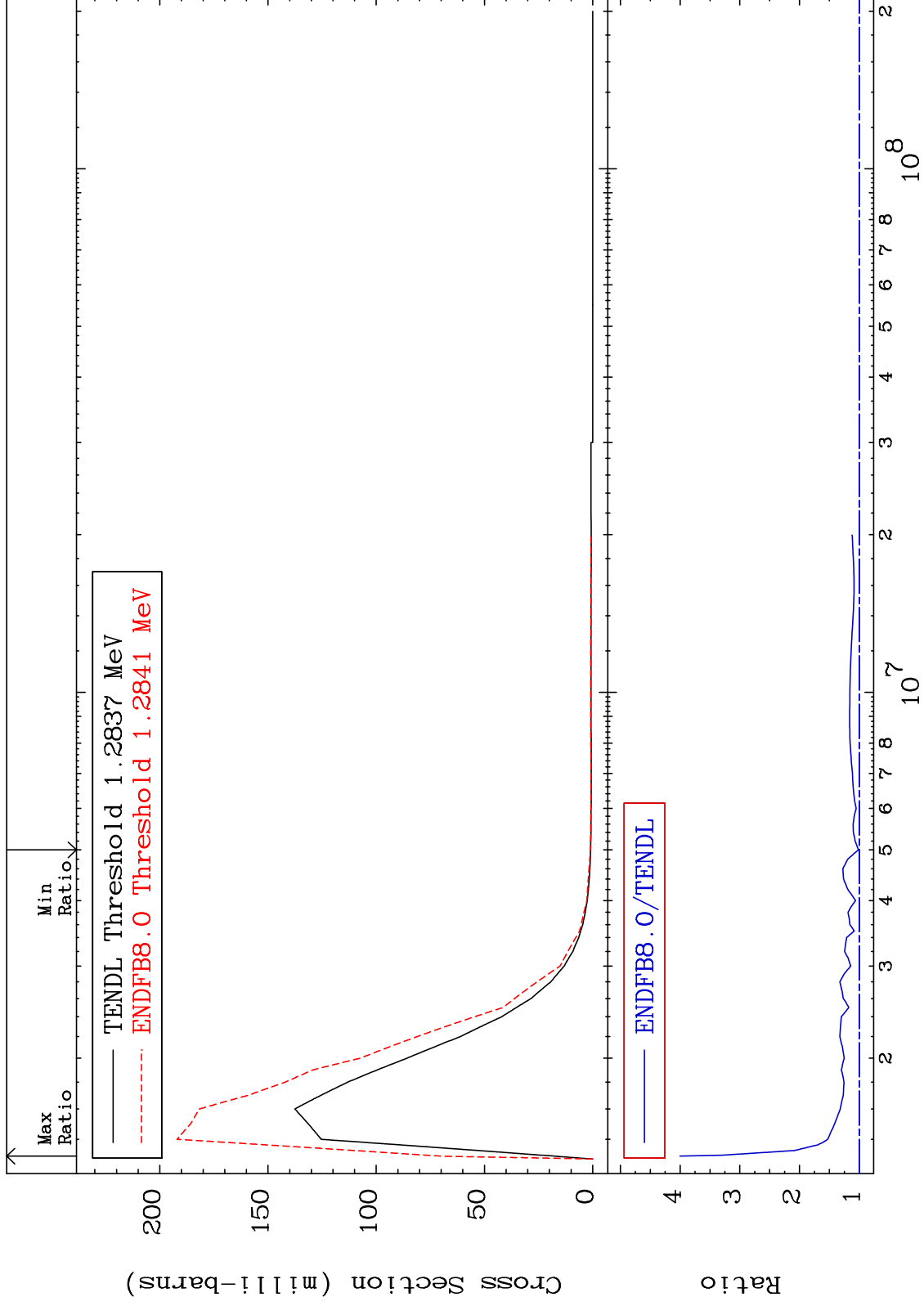
66-Dy-162  
To 221.7 %  
3.660



MAT 6643

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

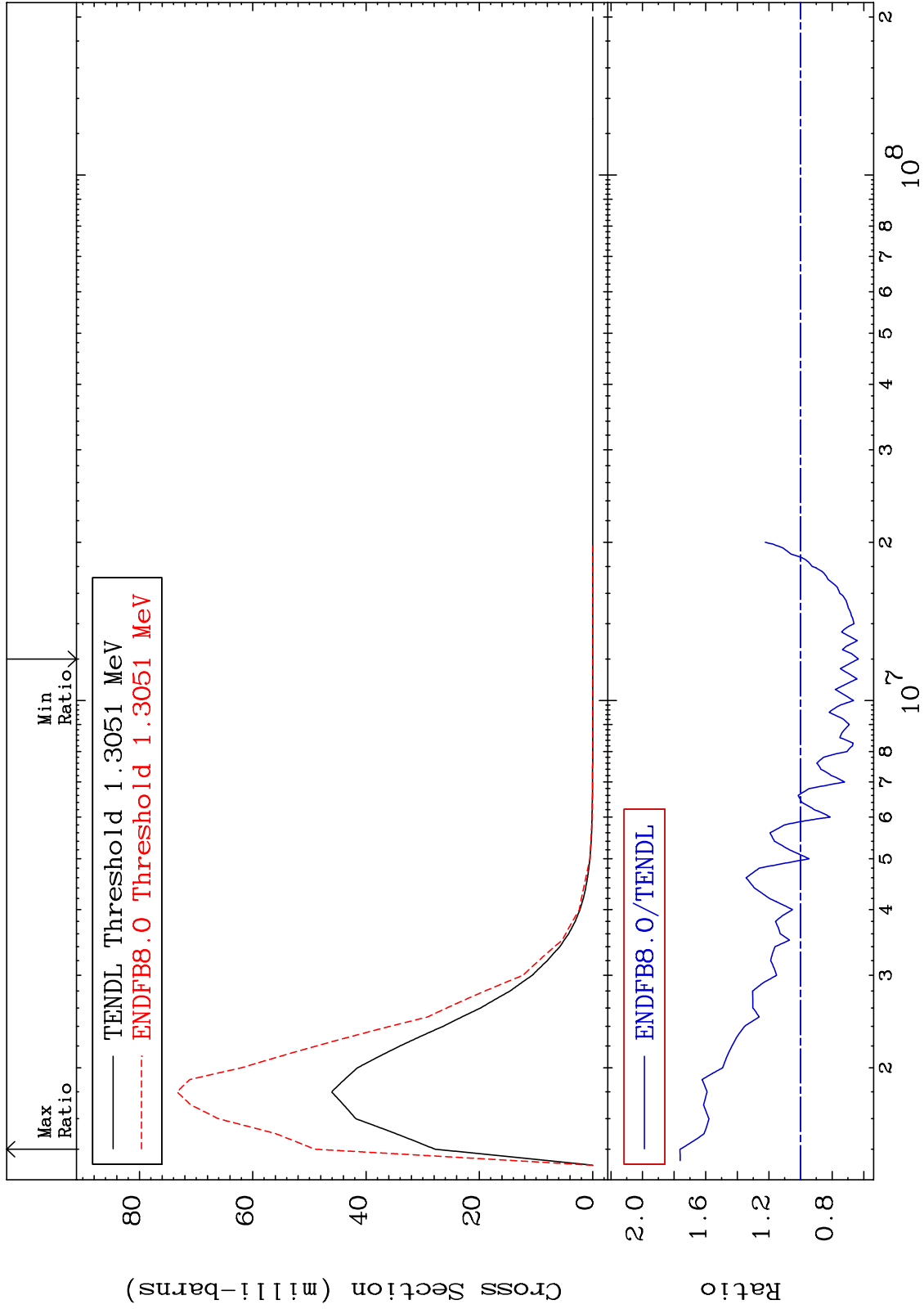
66-Dy-162  
1.459 To 300.1 %



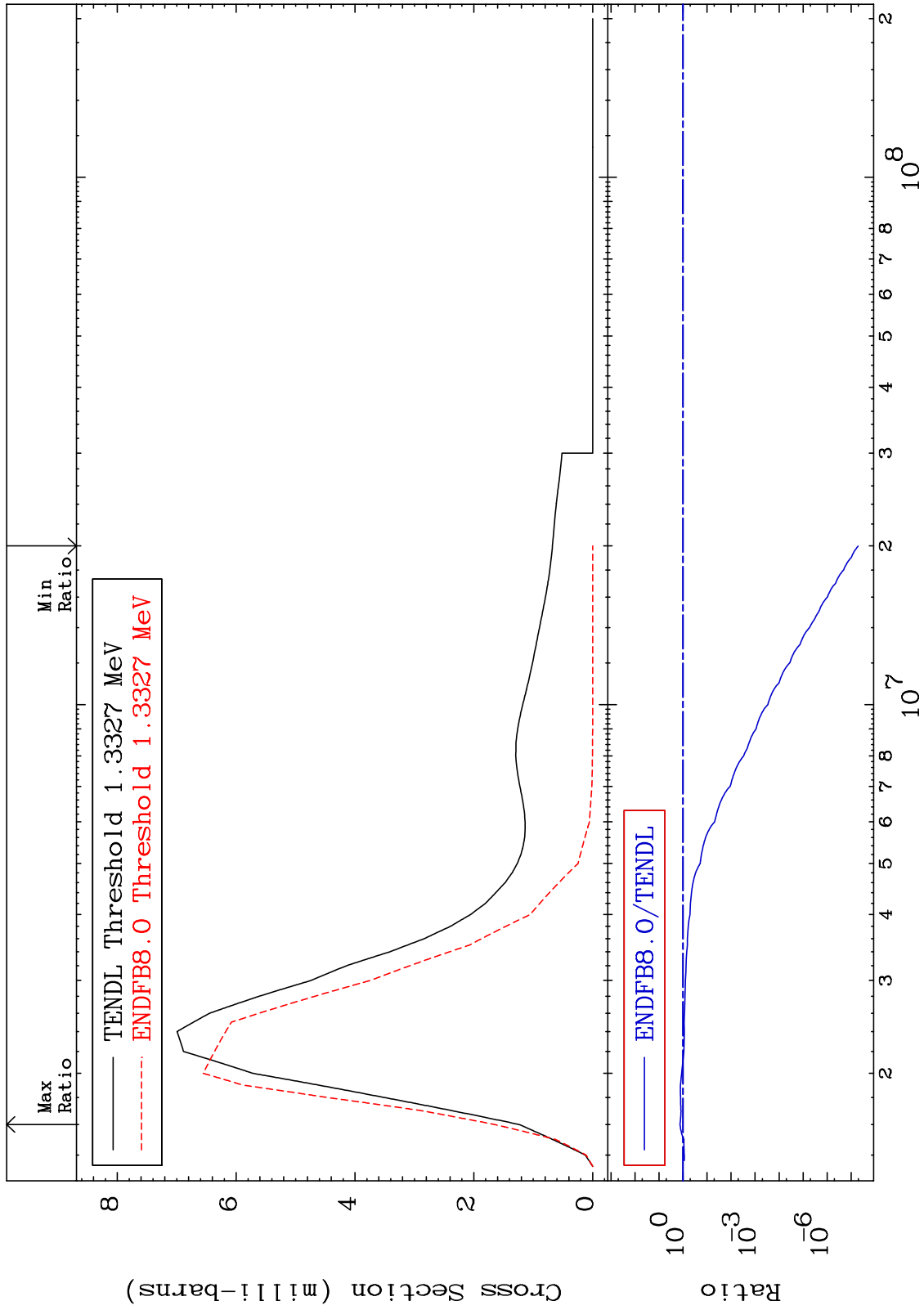
MAT 6643

MT= 62 (n,n') Level  
Cross Section

66-Dy-162  
-36.64 To 76.28 %



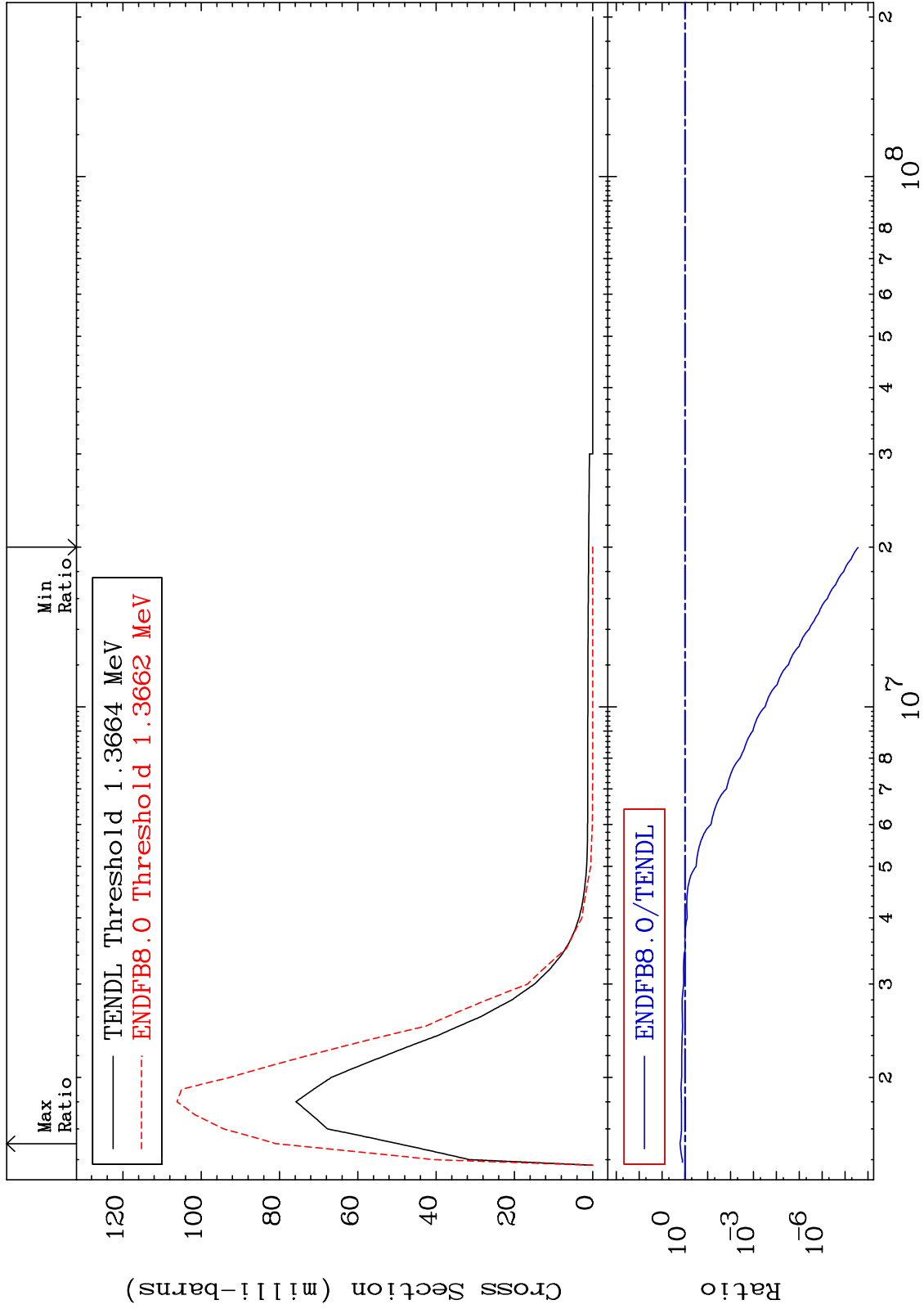
MAT 6643      MT= 63 (n, n') Level      66-Dy-162  
 Cross Section      -100.0 To 33.28 %



MAT 6643

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

66-Dy-162  
-100.0 To 62.88 %

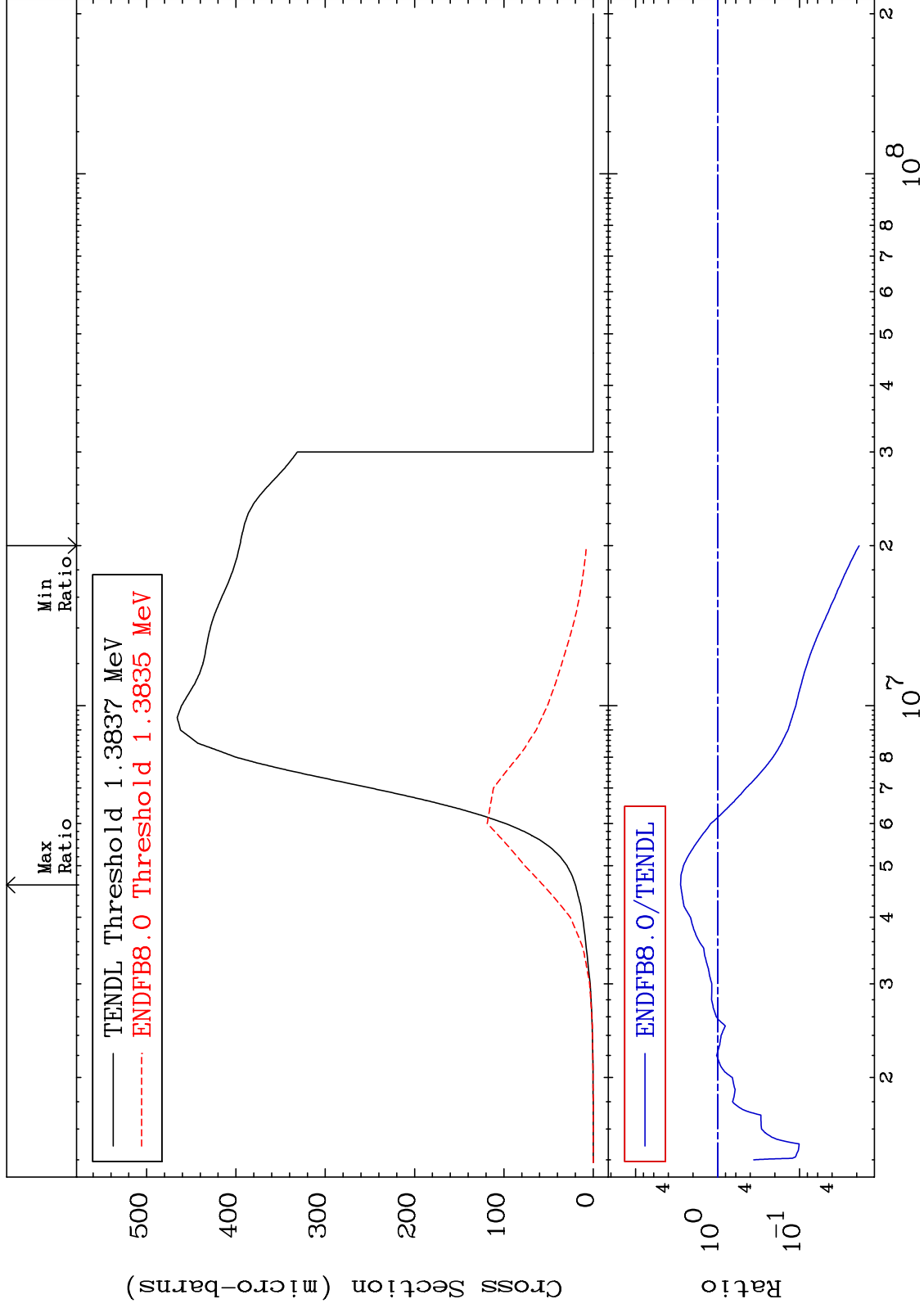




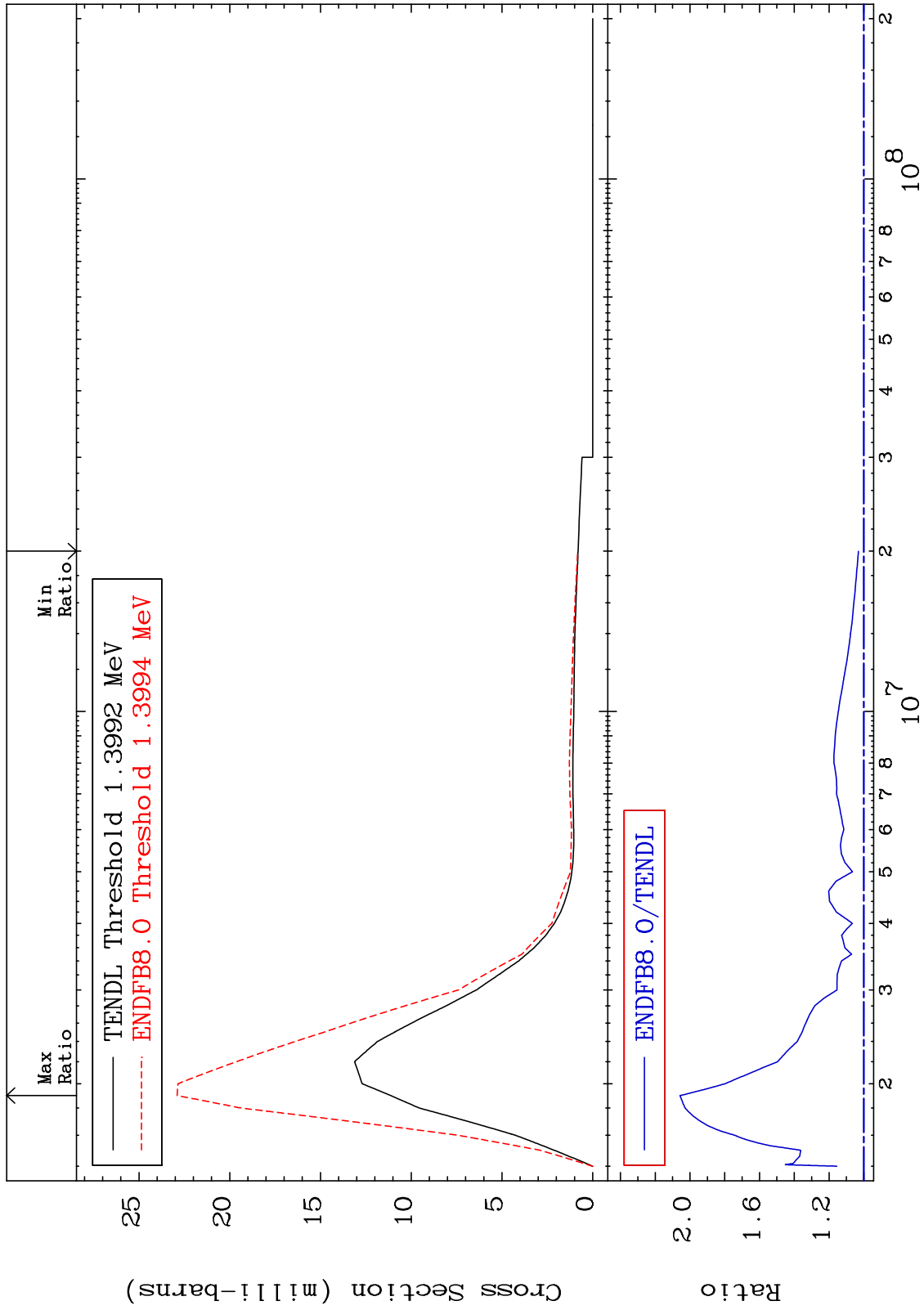
MAT 6643

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

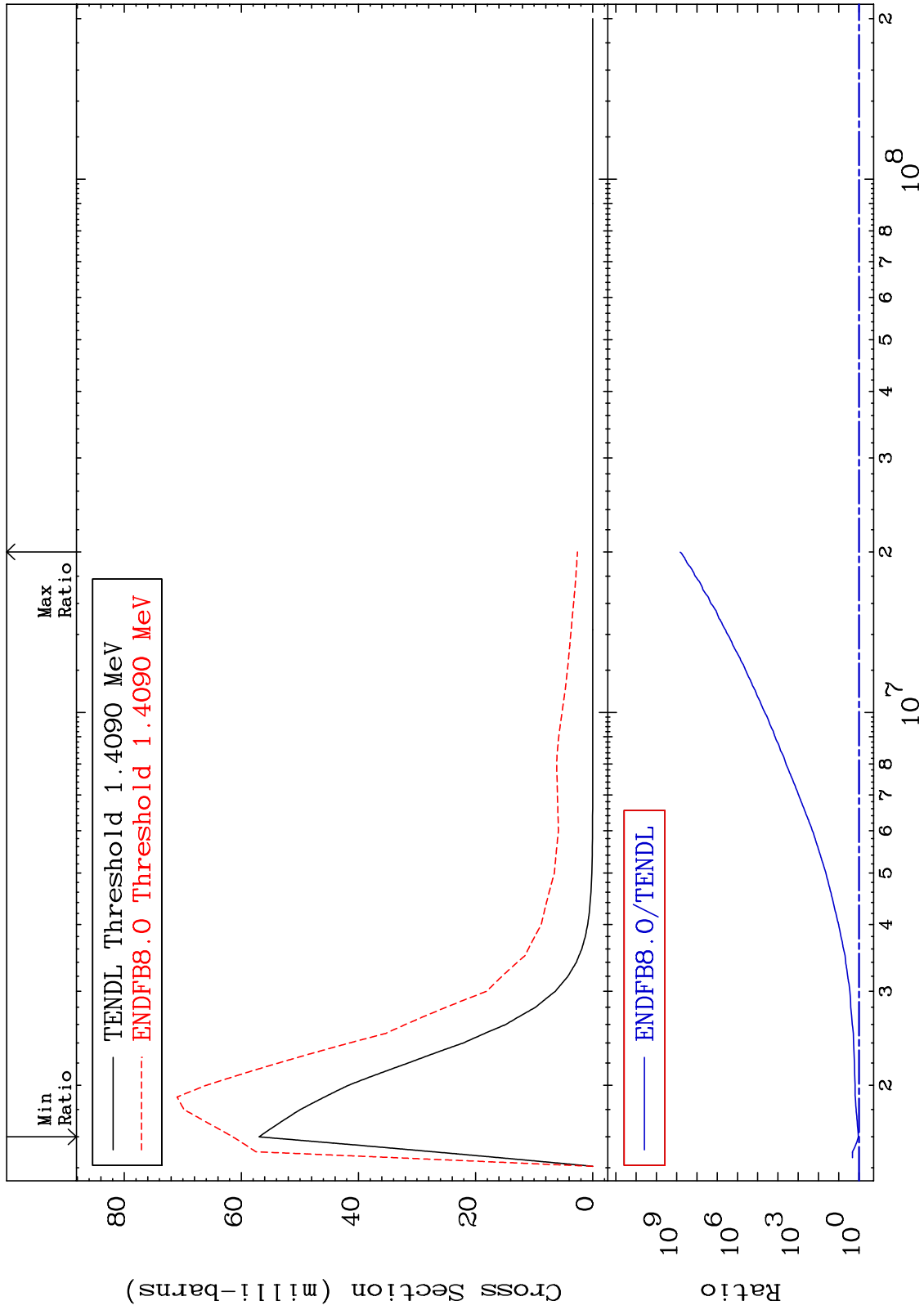
66-Dy-162  
-98.13 To 182.3 %



MAT 6643 MT= 66 (n,n') Level Cross Section 66-Dy-162 To 105.7 %  
 3.101



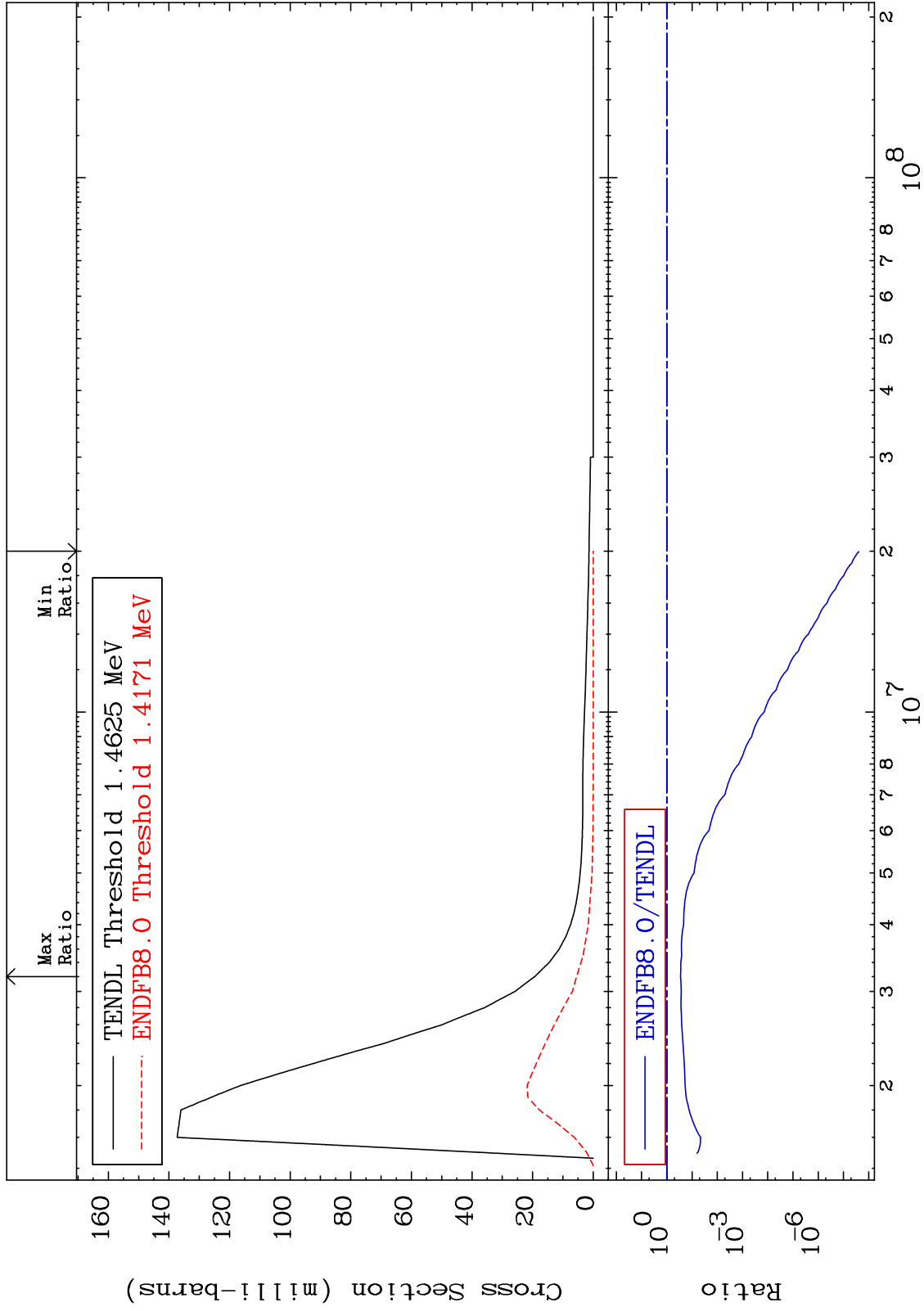
MAT 6643      MT= 67 (n, n') Level Cross Section      66-Dy-162  
 7.840 To 9999. %



MAT 6643

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

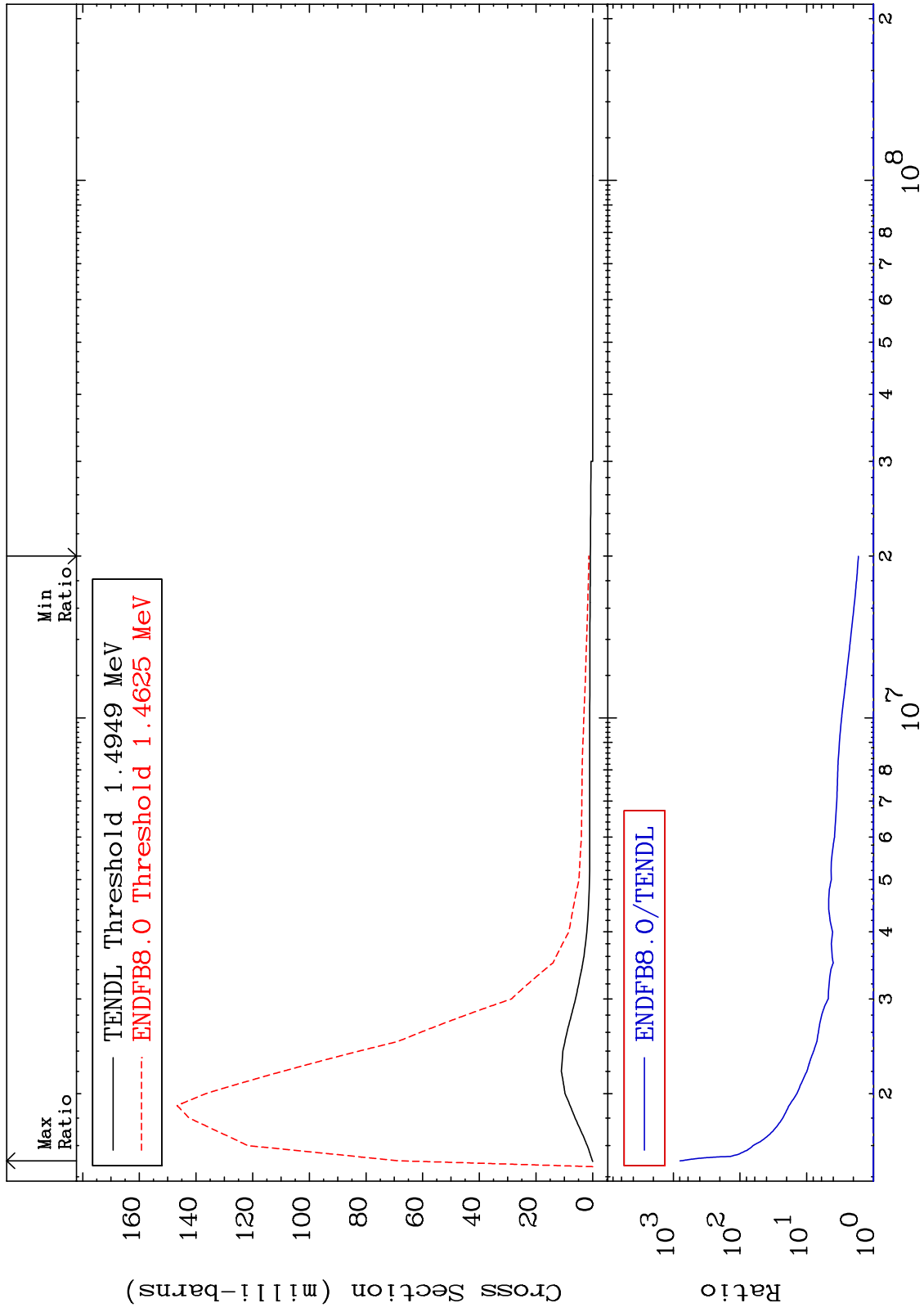
66-Dy-162  
-100.0 To -71.68%



MAT 6643

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

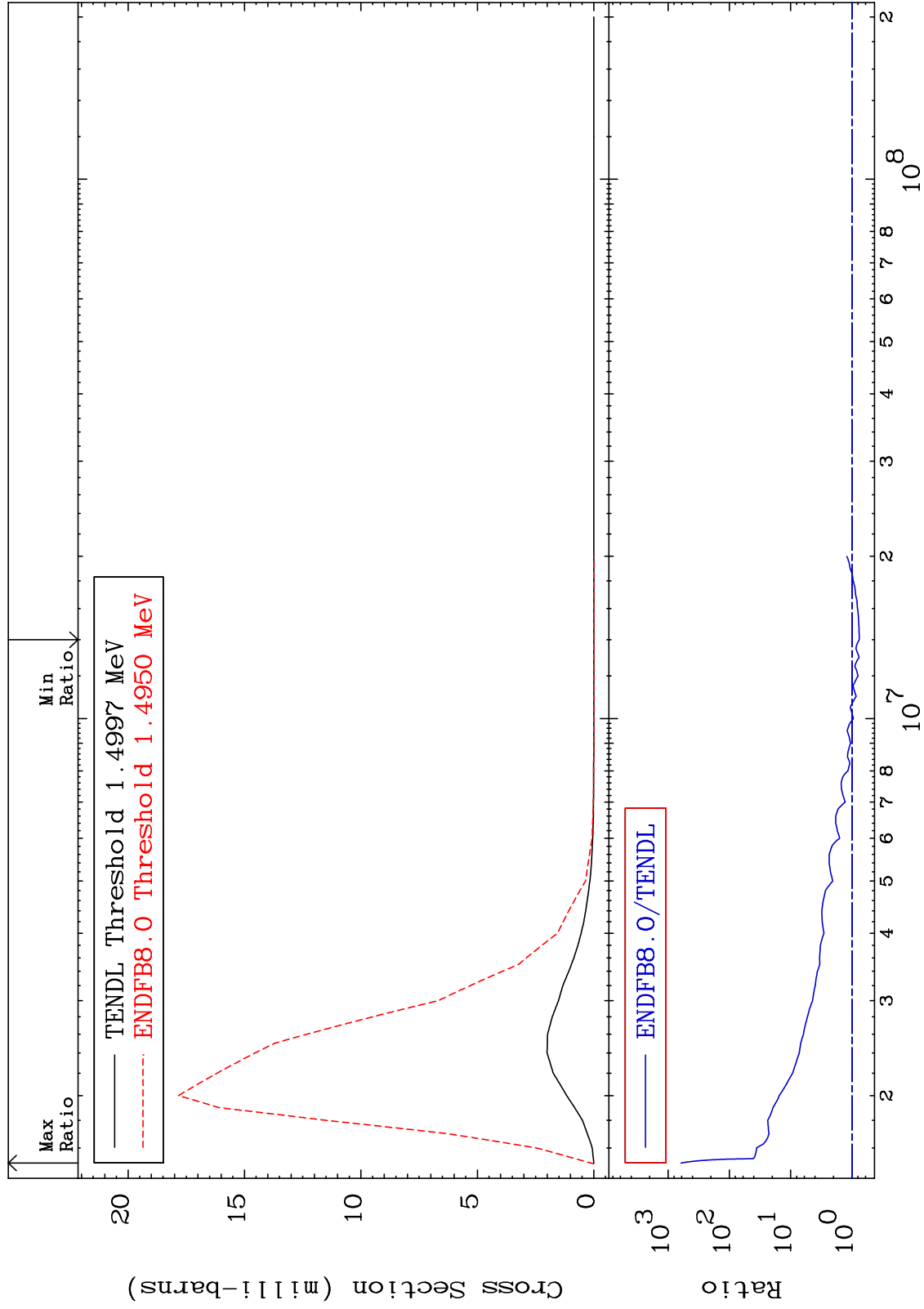
66-Dy-162  
67.41 To 9999. %



MAT 6643

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

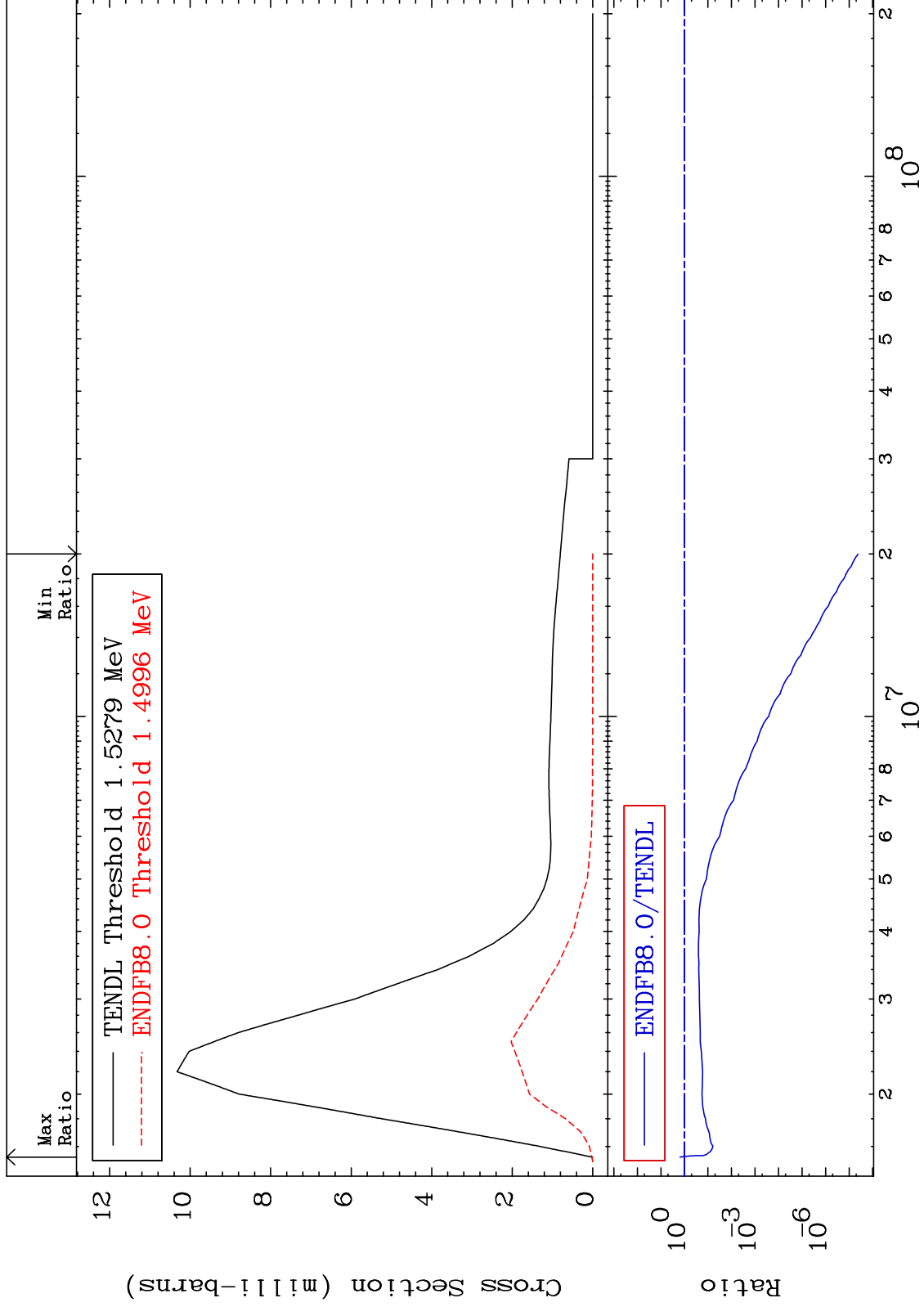
66-Dy-162  
-24.05 To 9999. %



MAT 6643

MT= 71 (n,n') Level  
Cross Section

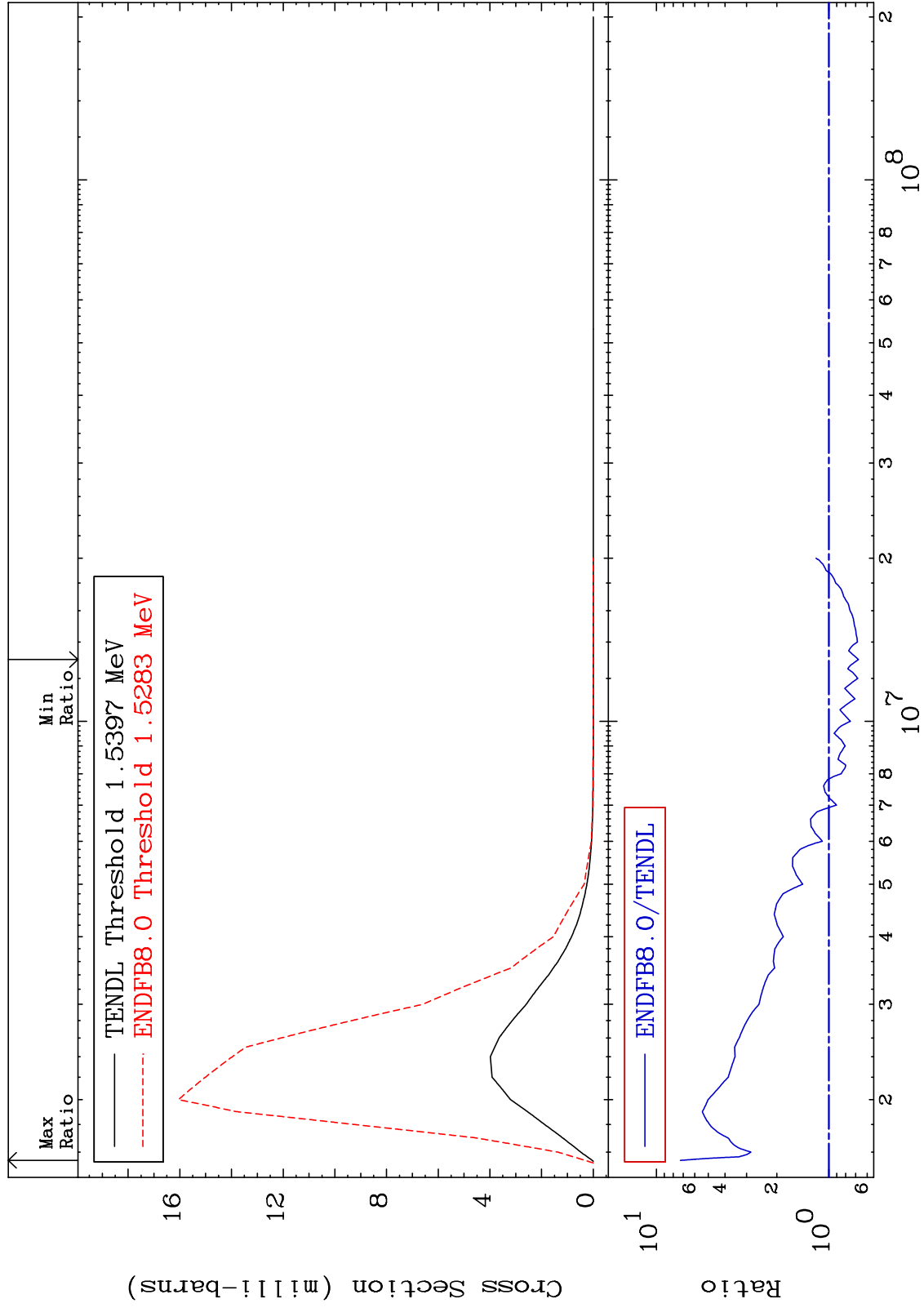
66-Dy-162  
-100.0 To 54.15 %



MAT 6643

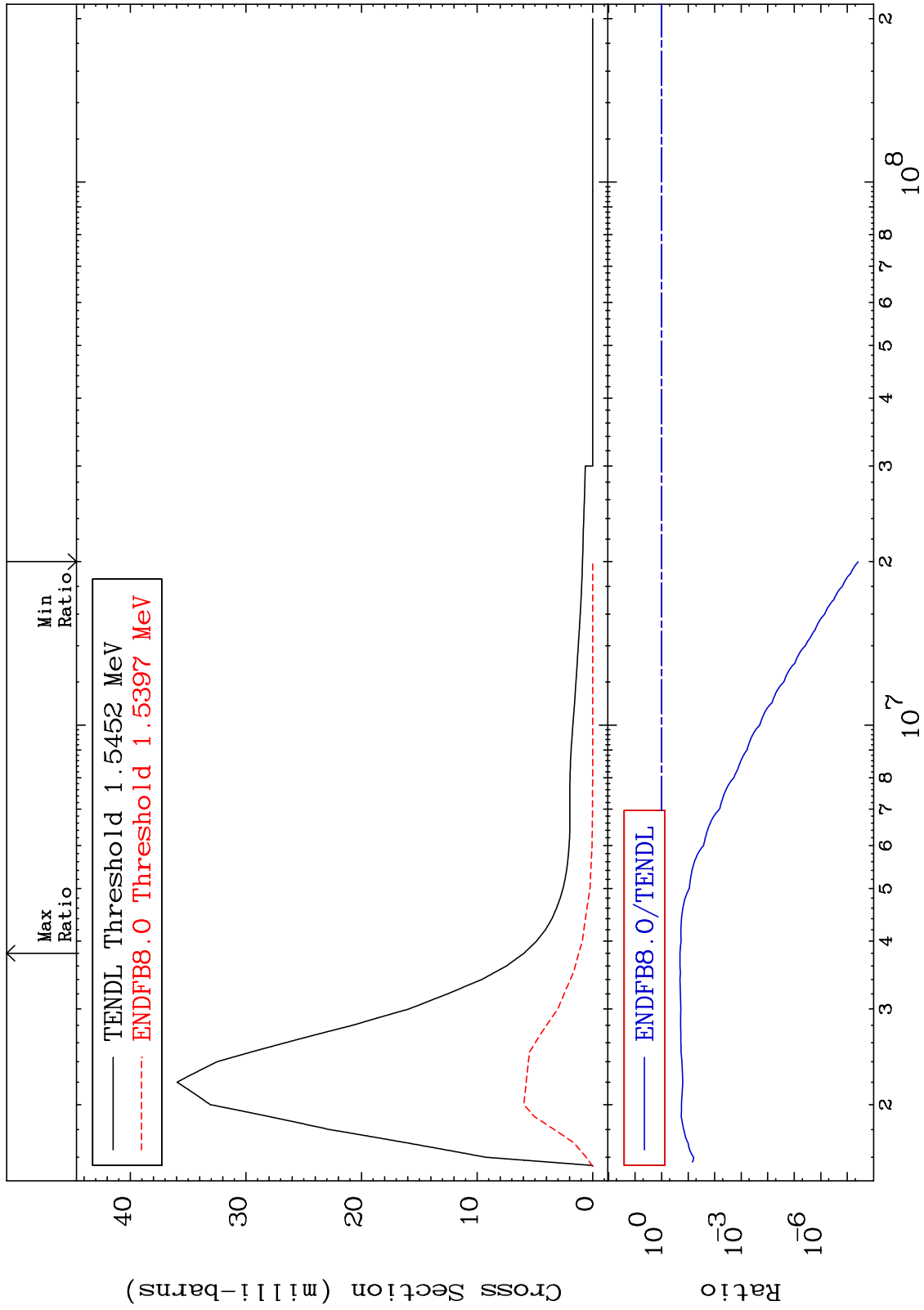
MT= 72 (n,n') Level  
Cross Section

66-Dy-162  
-32.73 To 625.4 %





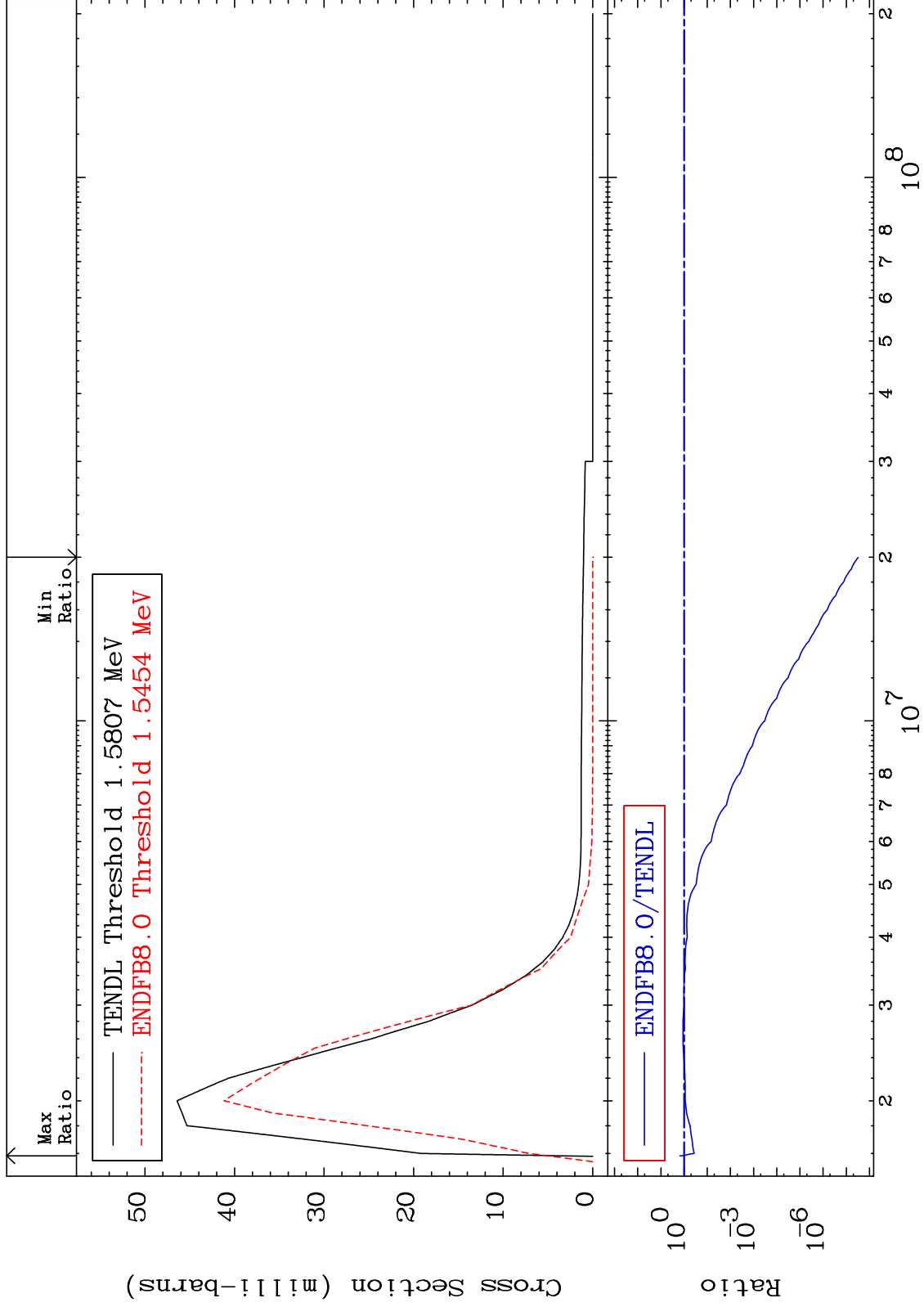
MAT 6643 MT= 73 (n,n') Level  
Cross Section 66-Dy-162  
-100.0 To -79.77%



MAT 6643

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

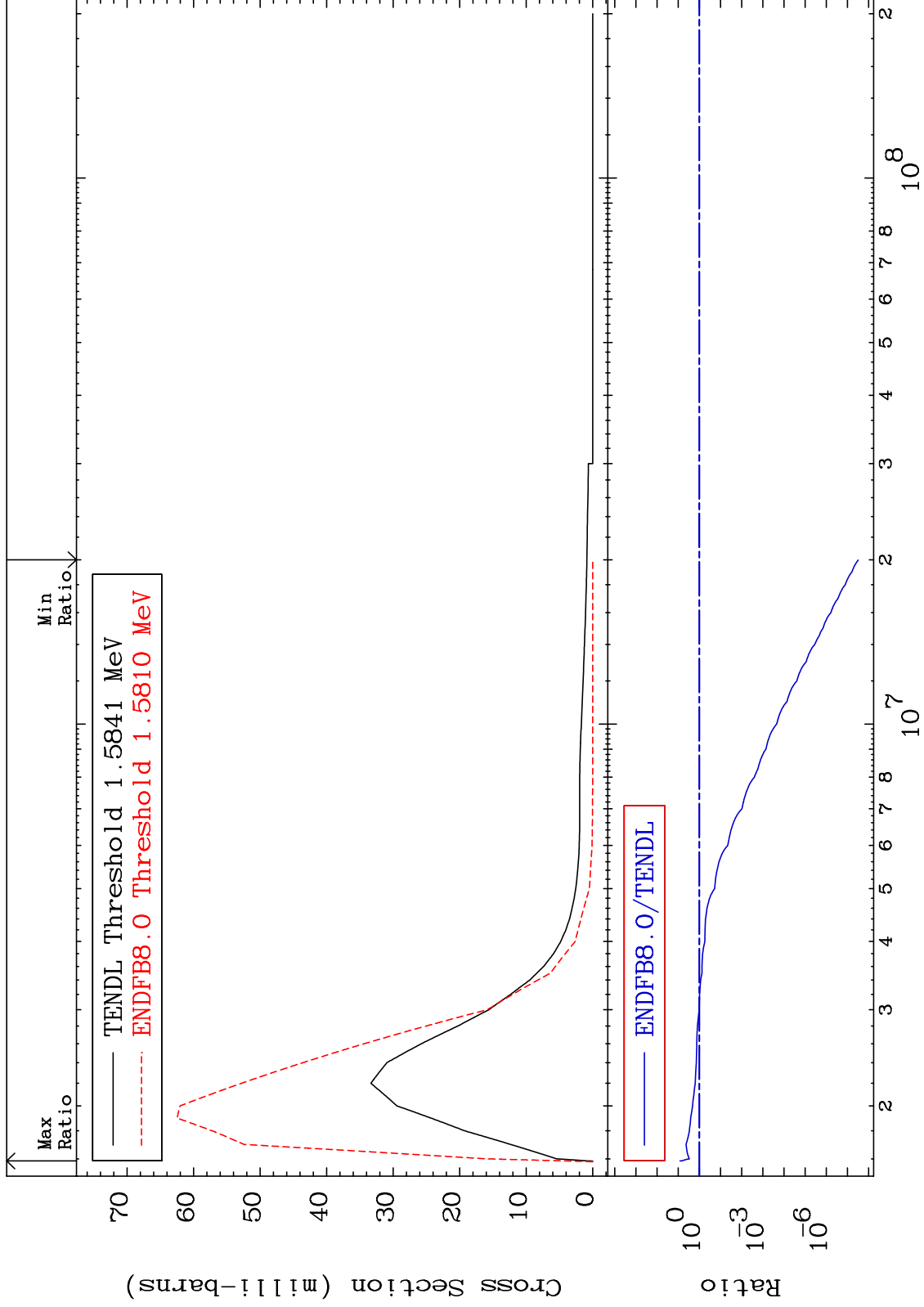
66-Dy-162  
-100.0 To 49.70 %



MAT 6643

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

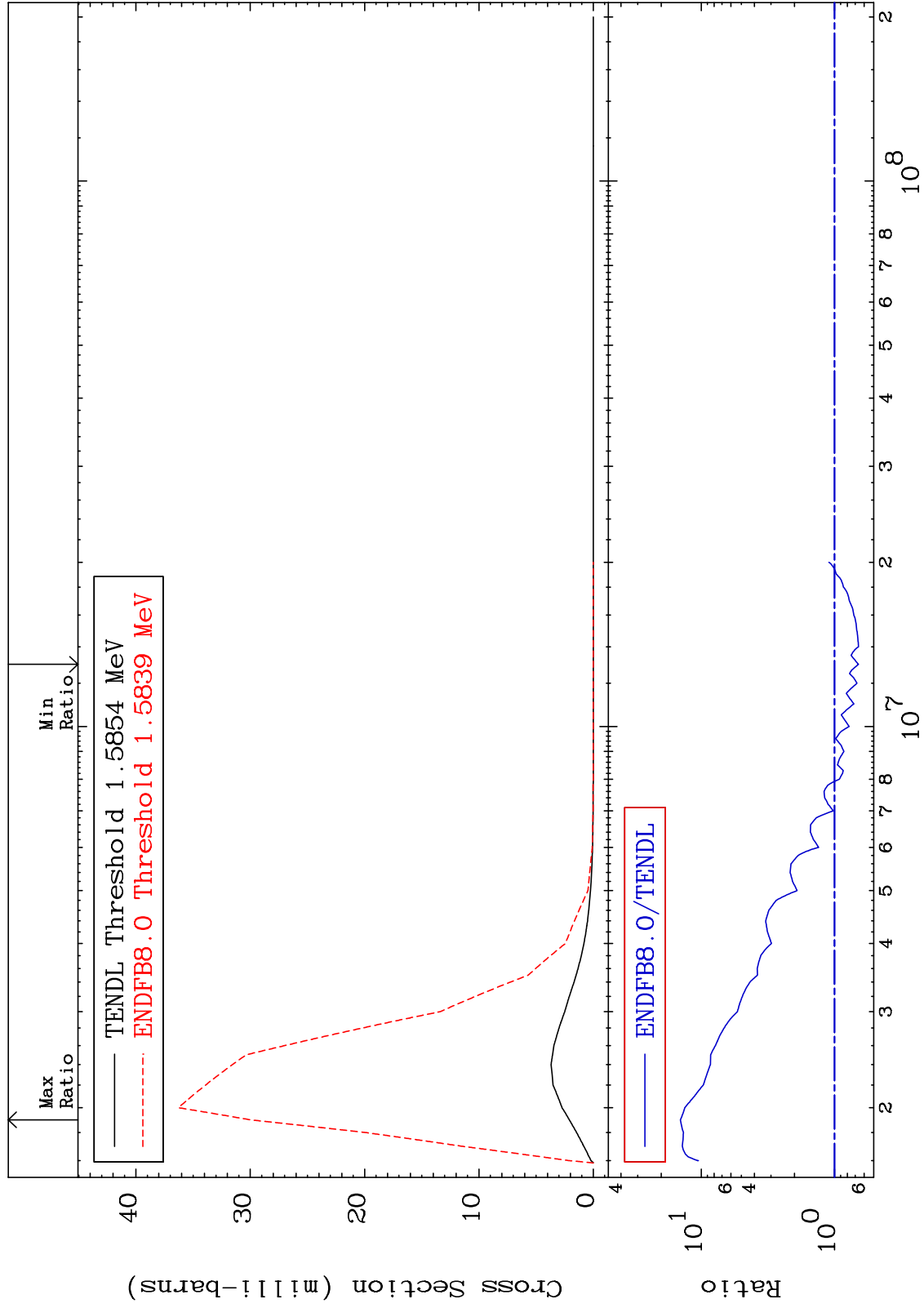
66-Dy-162  
-100.0 To 722.7 %



MAT 6643

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

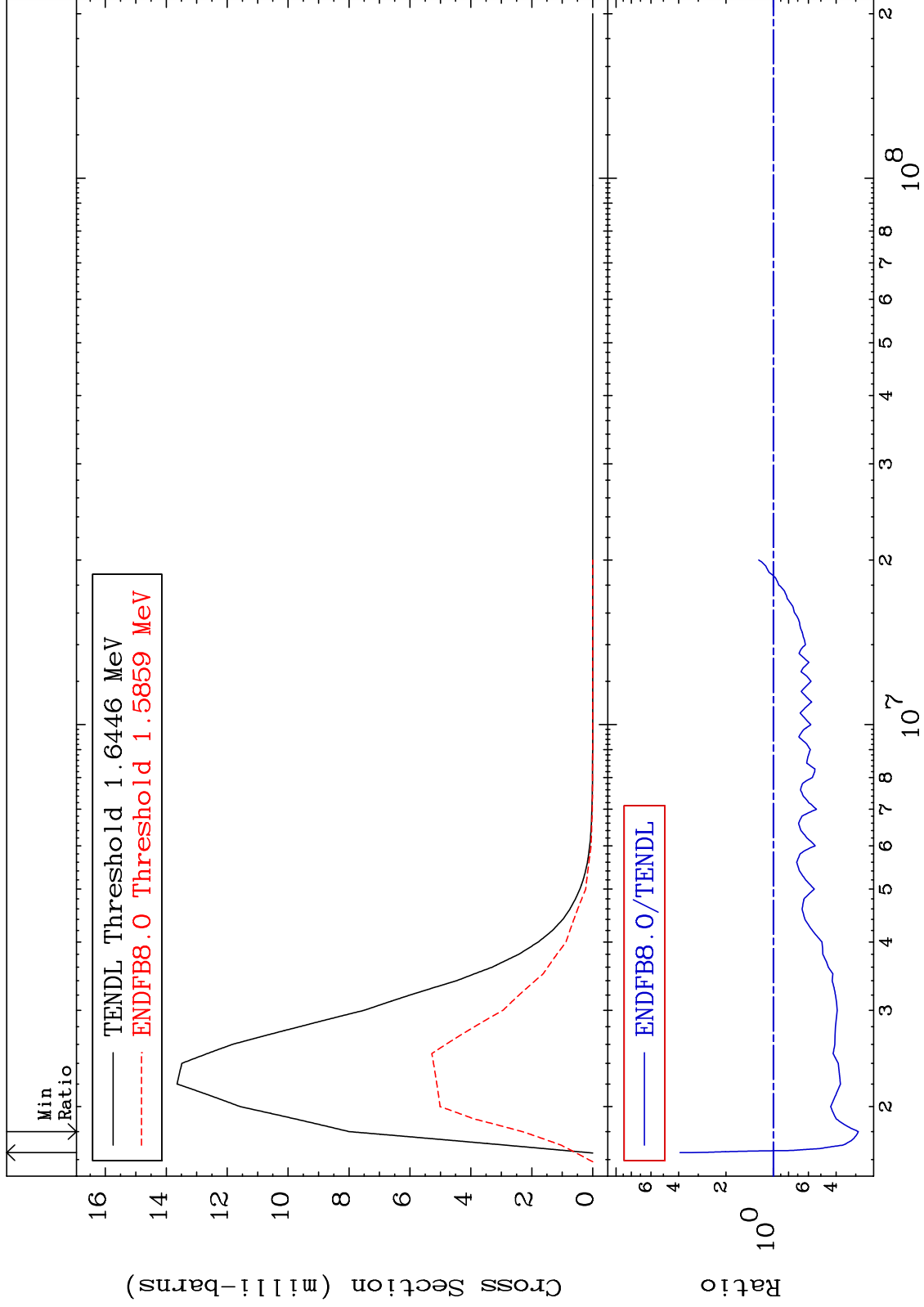
66-Dy-162  
-33.94 To 1333. %



MAT 6643

MT= 77 (n,n') Level  
Cross Section

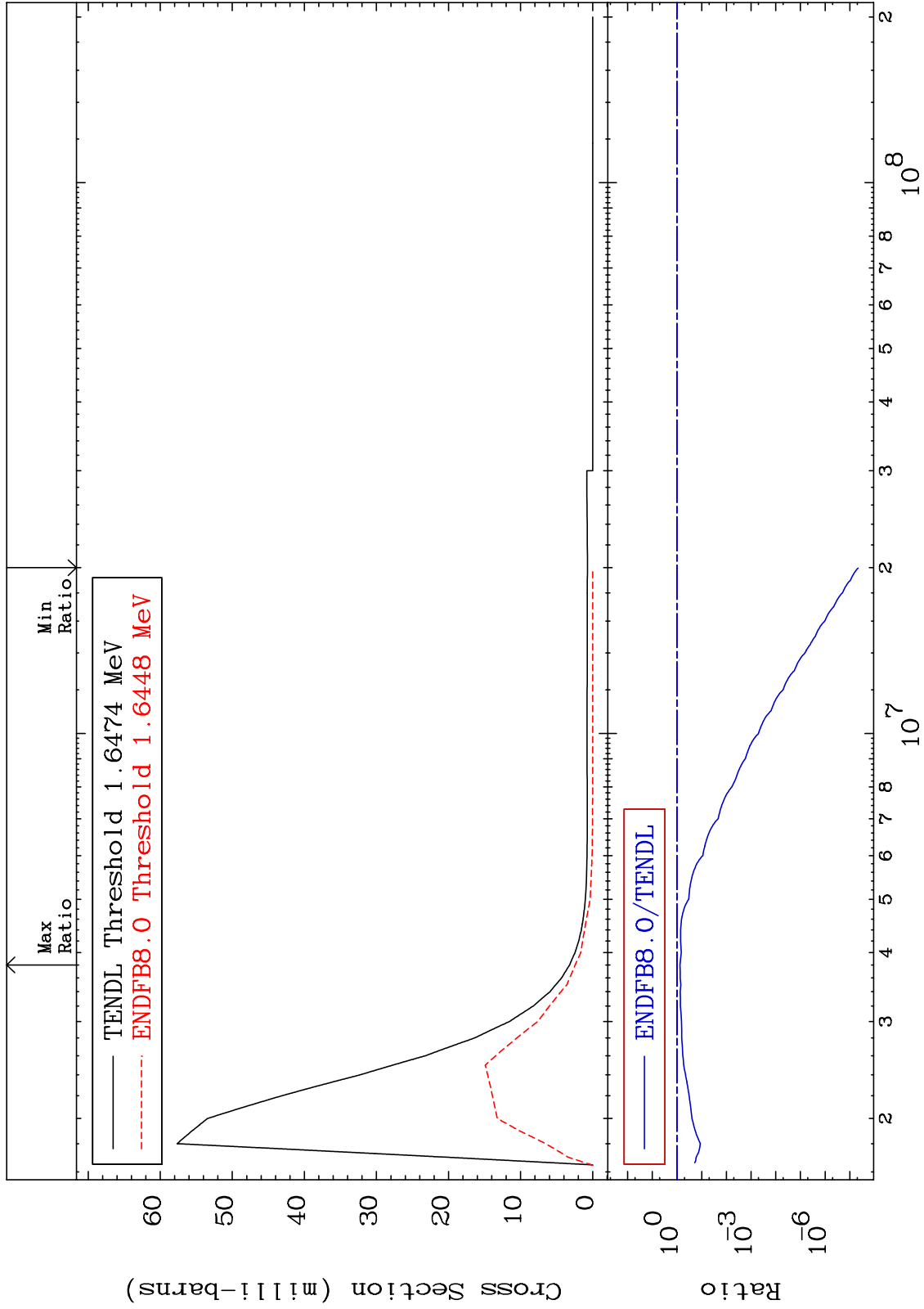
66-Dy-162  
-71.16 To 292.1 %



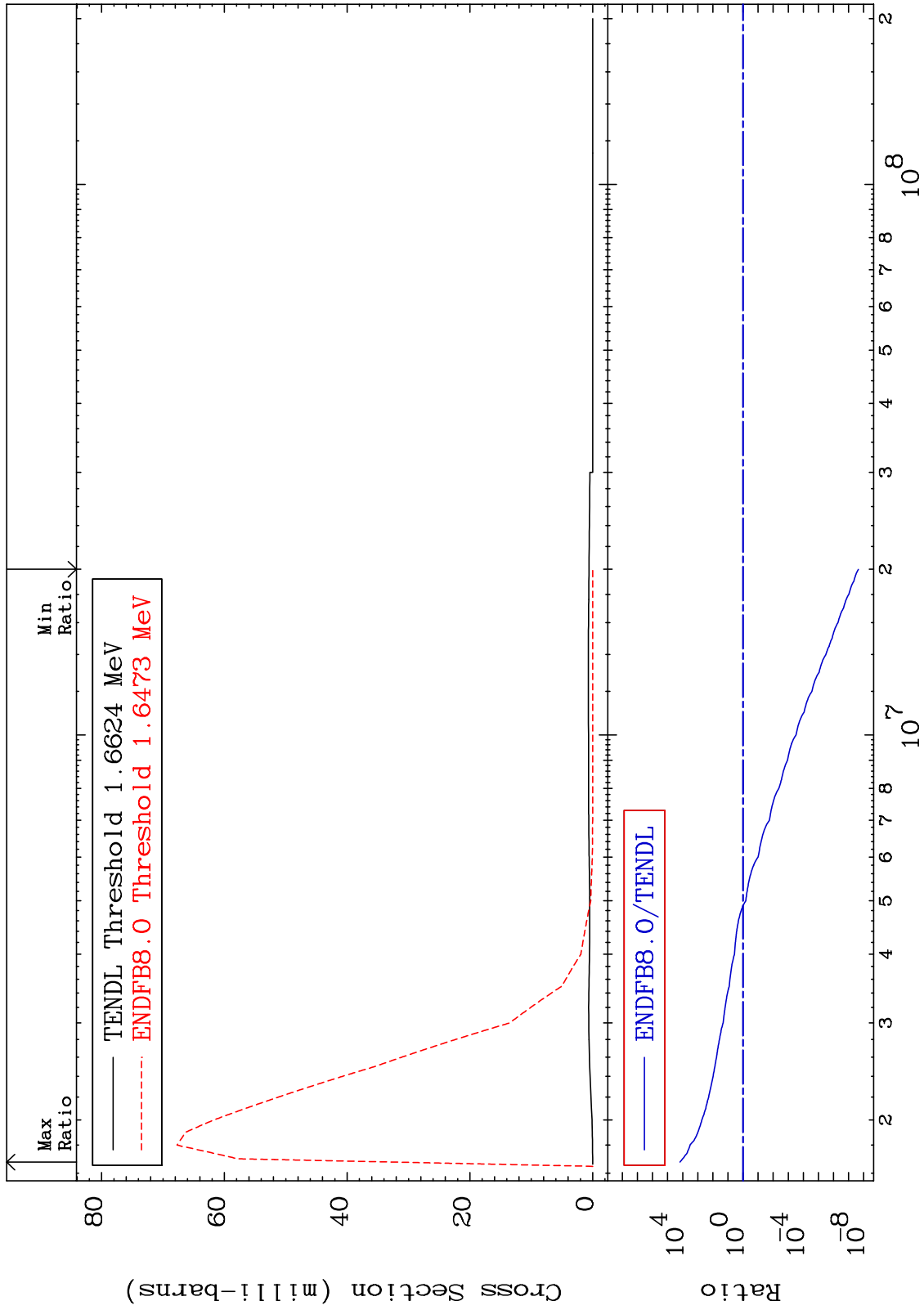
MAT 6643

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

66-Dy-162  
-100.0 To -24.57%



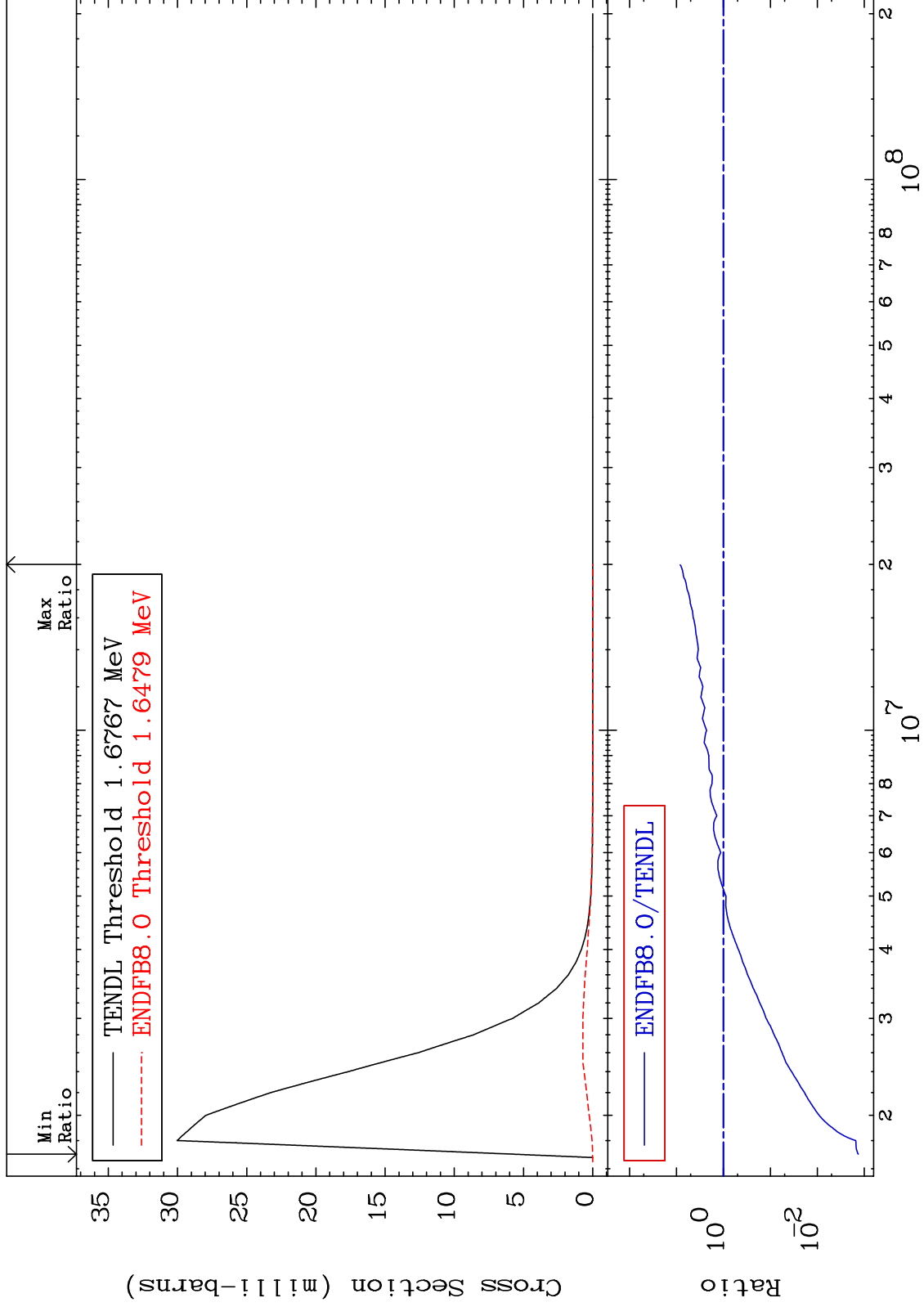
MAT 6643      MT= 79 (n,n') Level      66-Dy-162  
 Cross Section      -100.0 To 9999. %



MAT 6643

MT= 80 (n,n') Level  
Cross Section

66-Dy-162  
-99.87 To 740.3 %

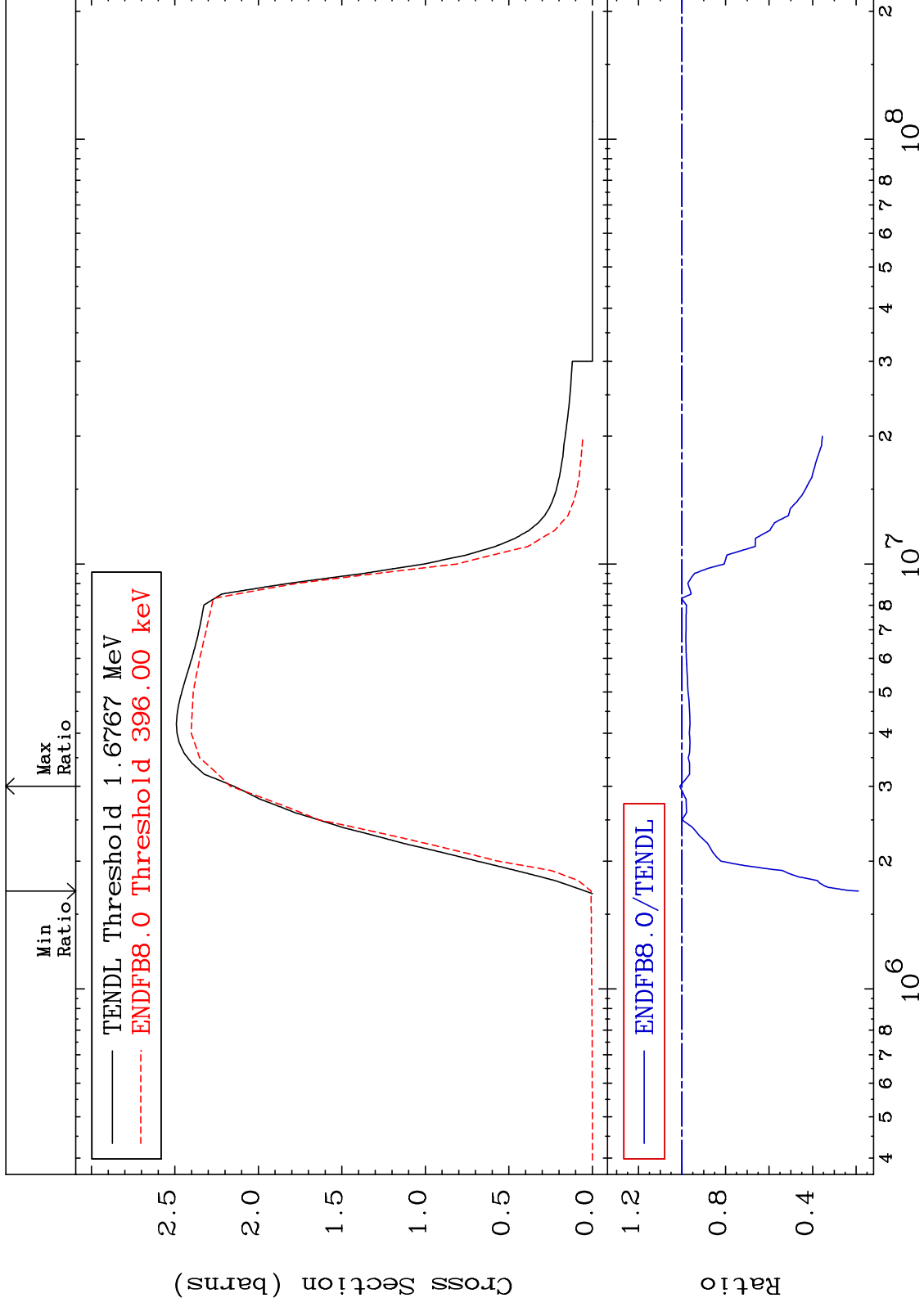




MAT 6643

(n,n') Continuum  
Cross Section

66-Dy-162  
-81.03 To 0.997 %



40

Incident Energy (eV)

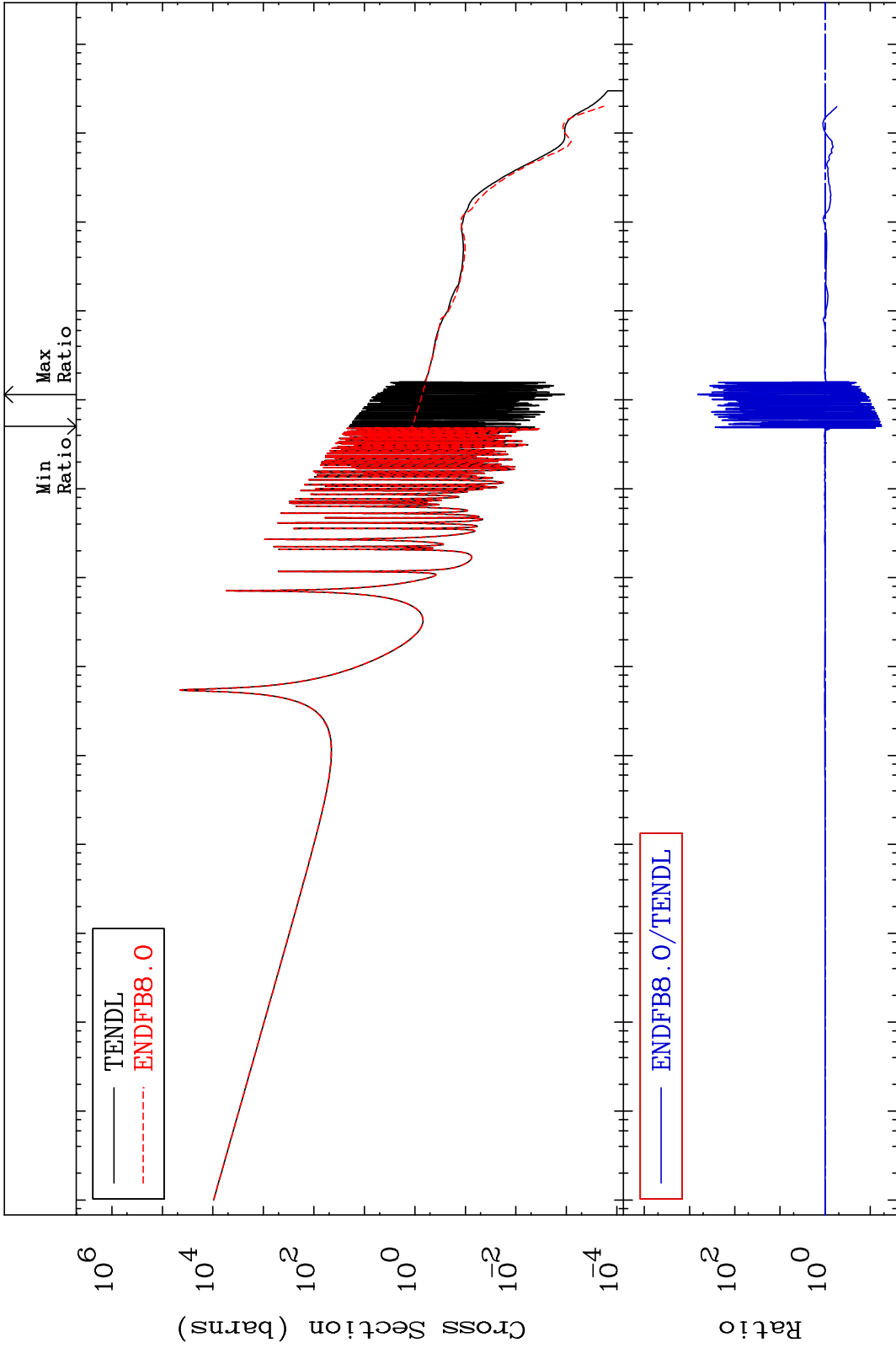
66-Dy-162

MAT 6643

(n,  $\gamma$ )

66-Dy-162  
-94.35 To 9999. %

Cross Section



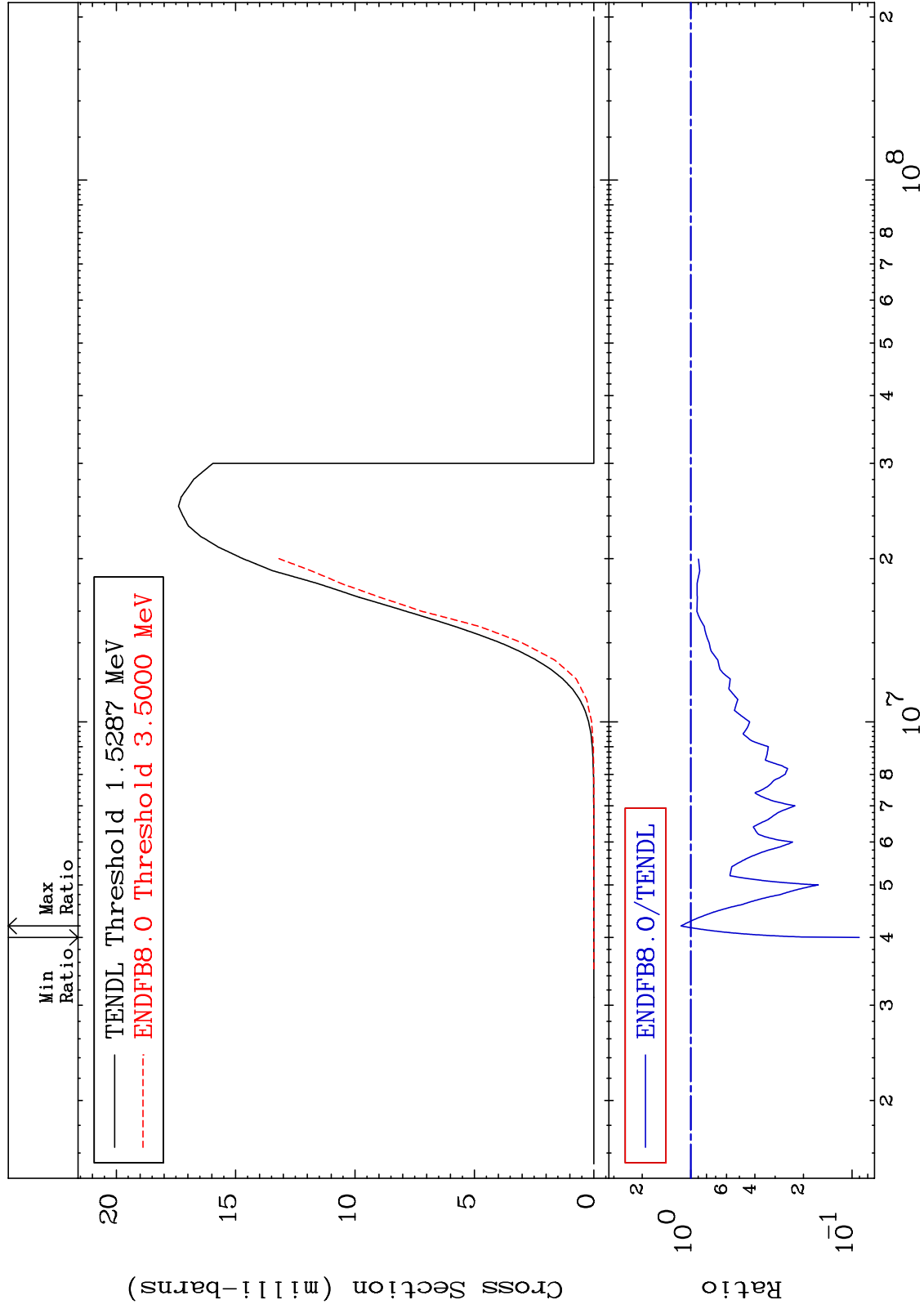
MAT 6643

(n, p)

66-Dy-162

Cross Section

-90.98 To 14.86 %



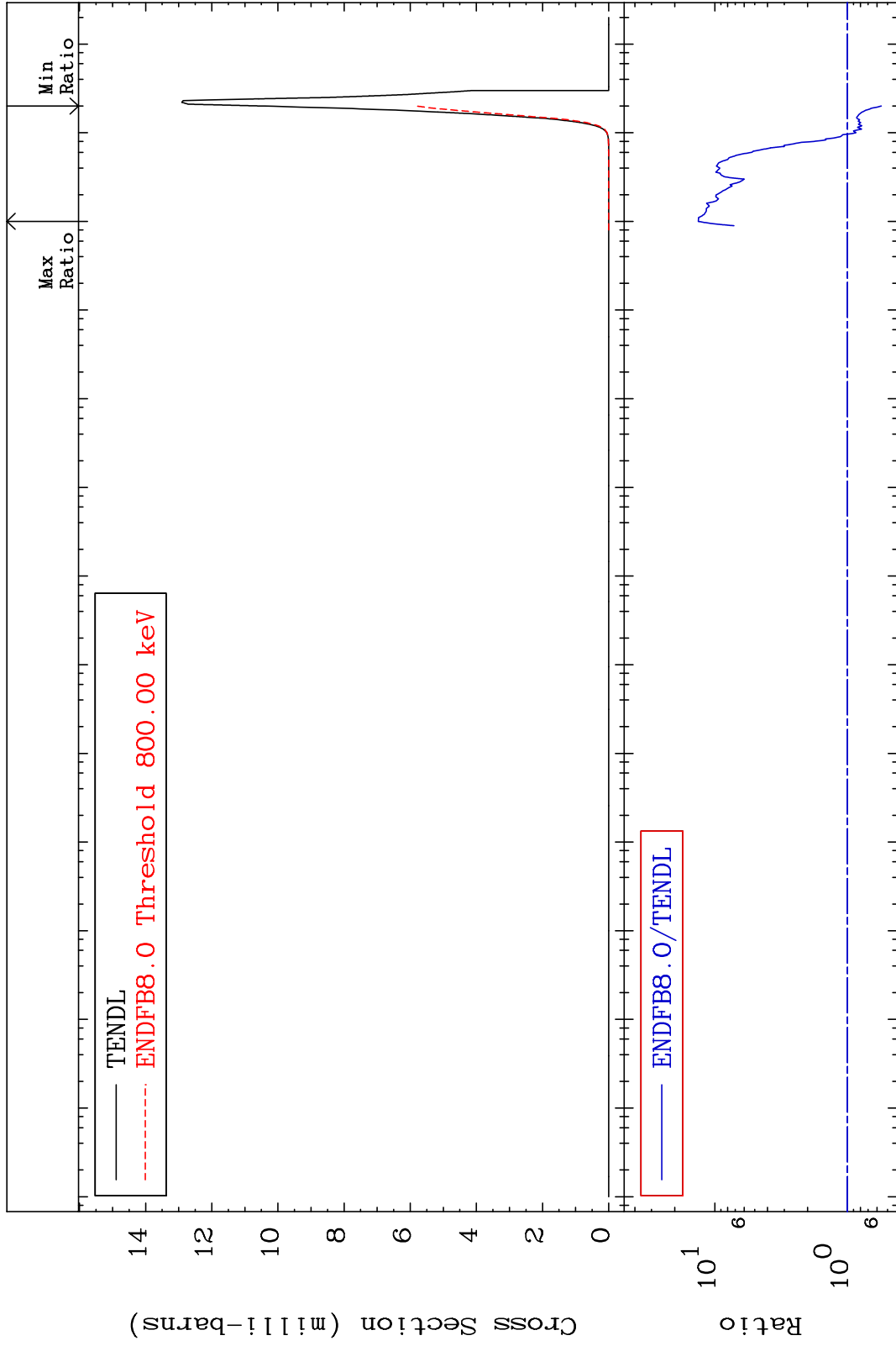
MAT 6643

(n,  $\alpha$ )

66-Dy-162

Cross Section

-44.56 To 1229. %



— TENDL  
- - - ENDFB8.0 Threshold 800.00 keV

— ENDFB8.0/TENDL

10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

Incident Energy (eV)

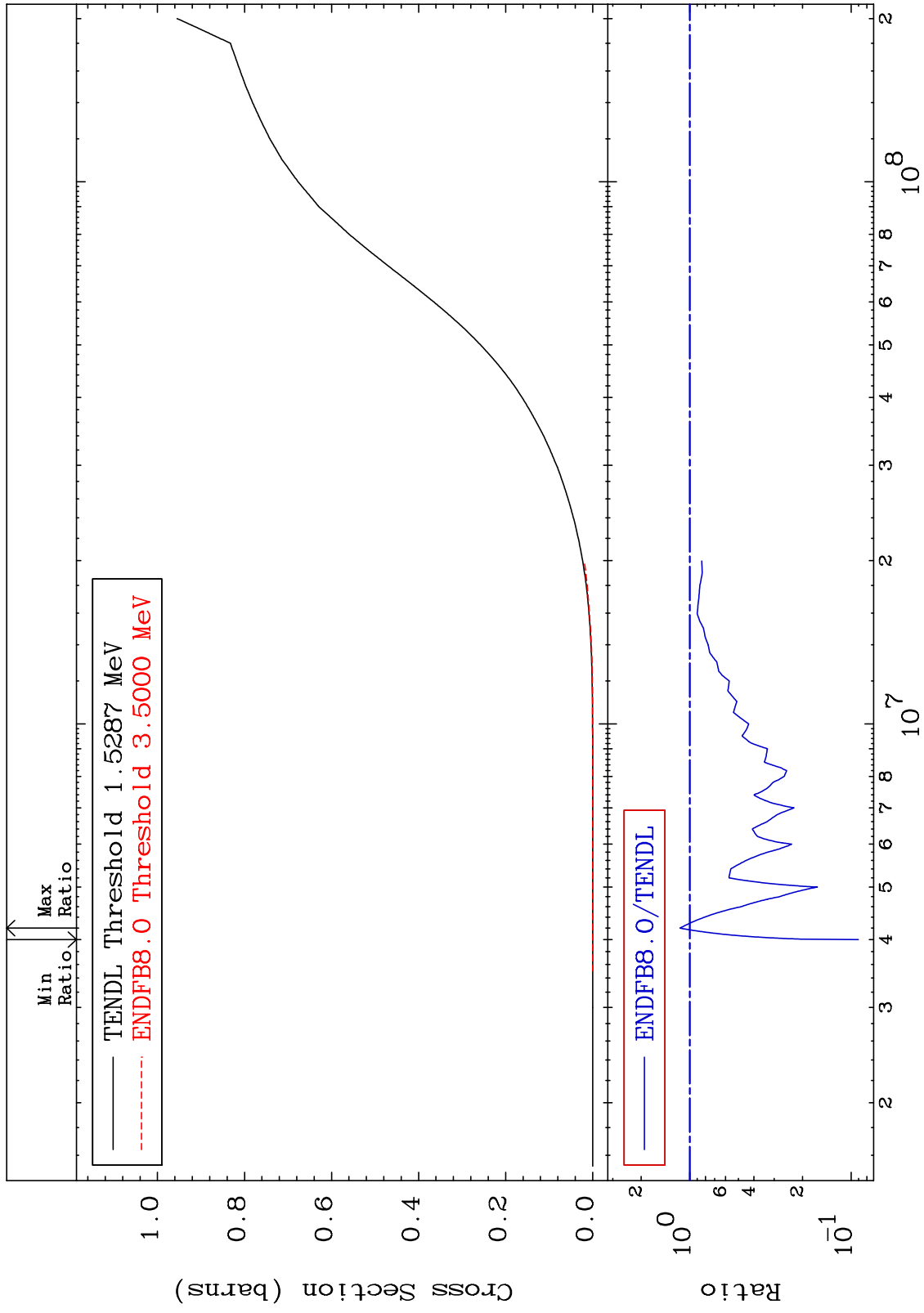
43

66-Dy-162

MAT 6643

Hydrogen Production  
Cross Section

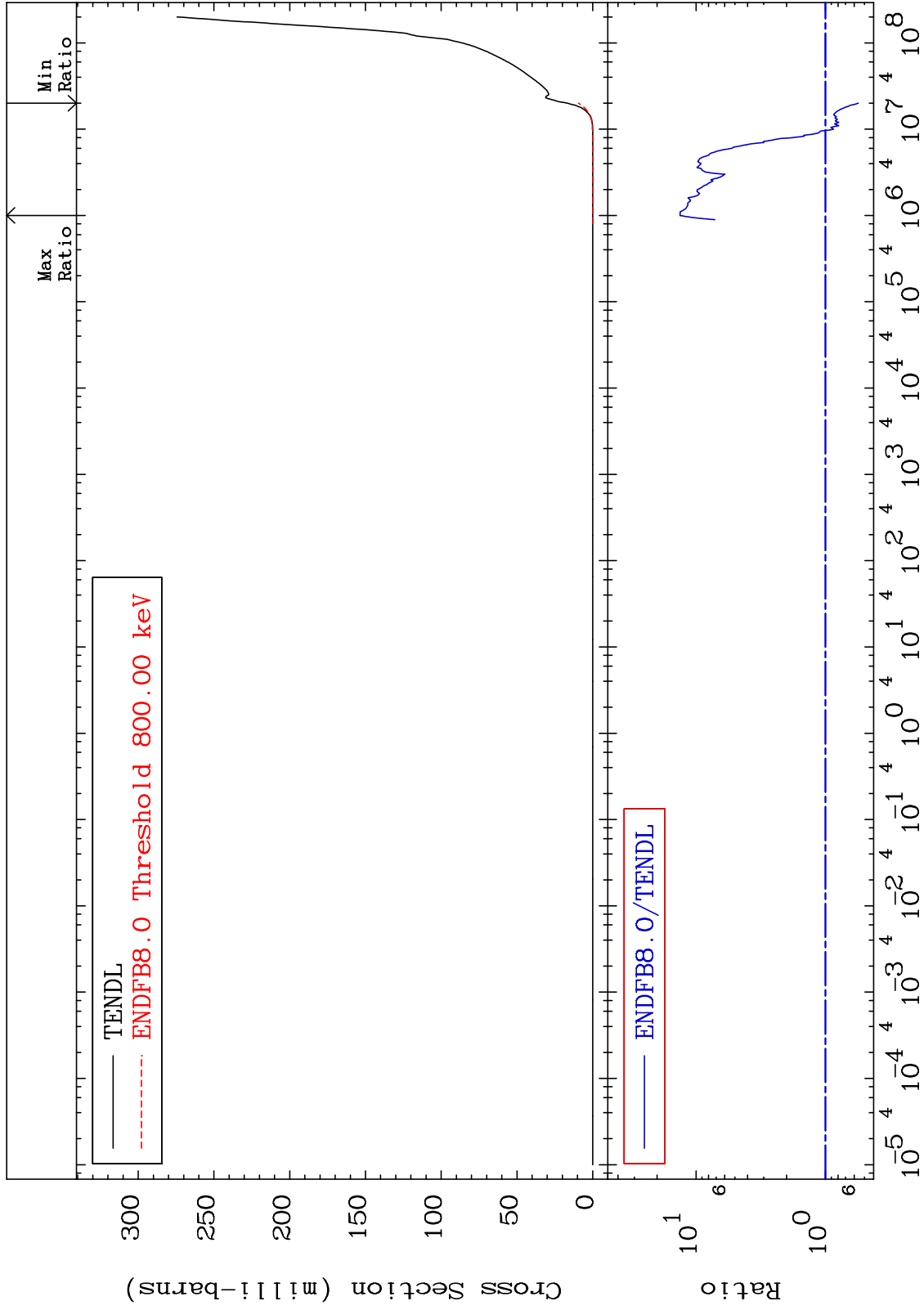
66-Dy-162  
-90.98 To 14.86 %



MAT 6643

He-4 Production  
Cross Section

66-Dy-162  
-44.31 To 1229. %



45

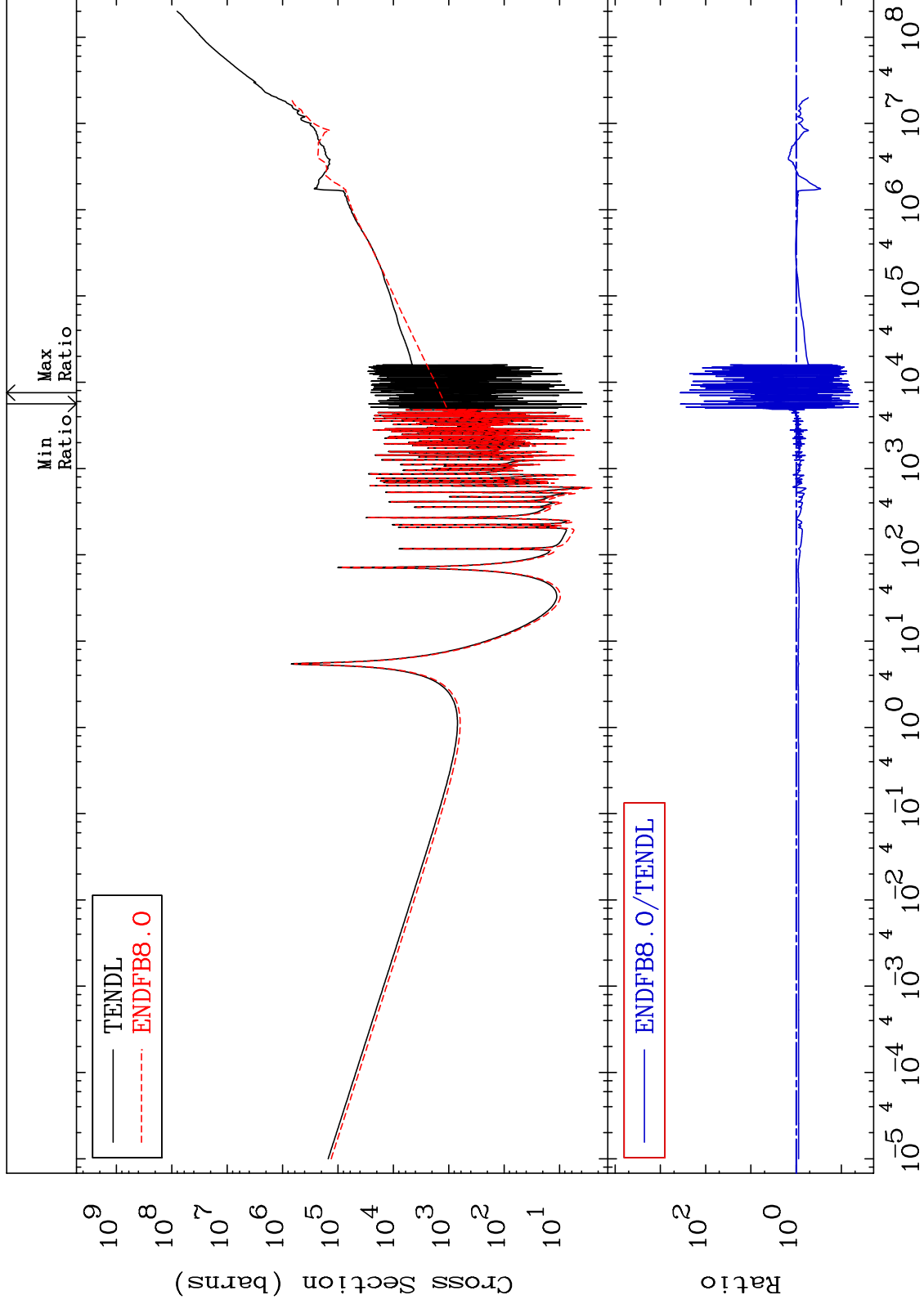
Incident Energy (eV)

66-Dy-162

MAT 6643

Kerma total (eV-barns)  
Cross Section

66-Dy-162  
-95.78 To 9999. %



46

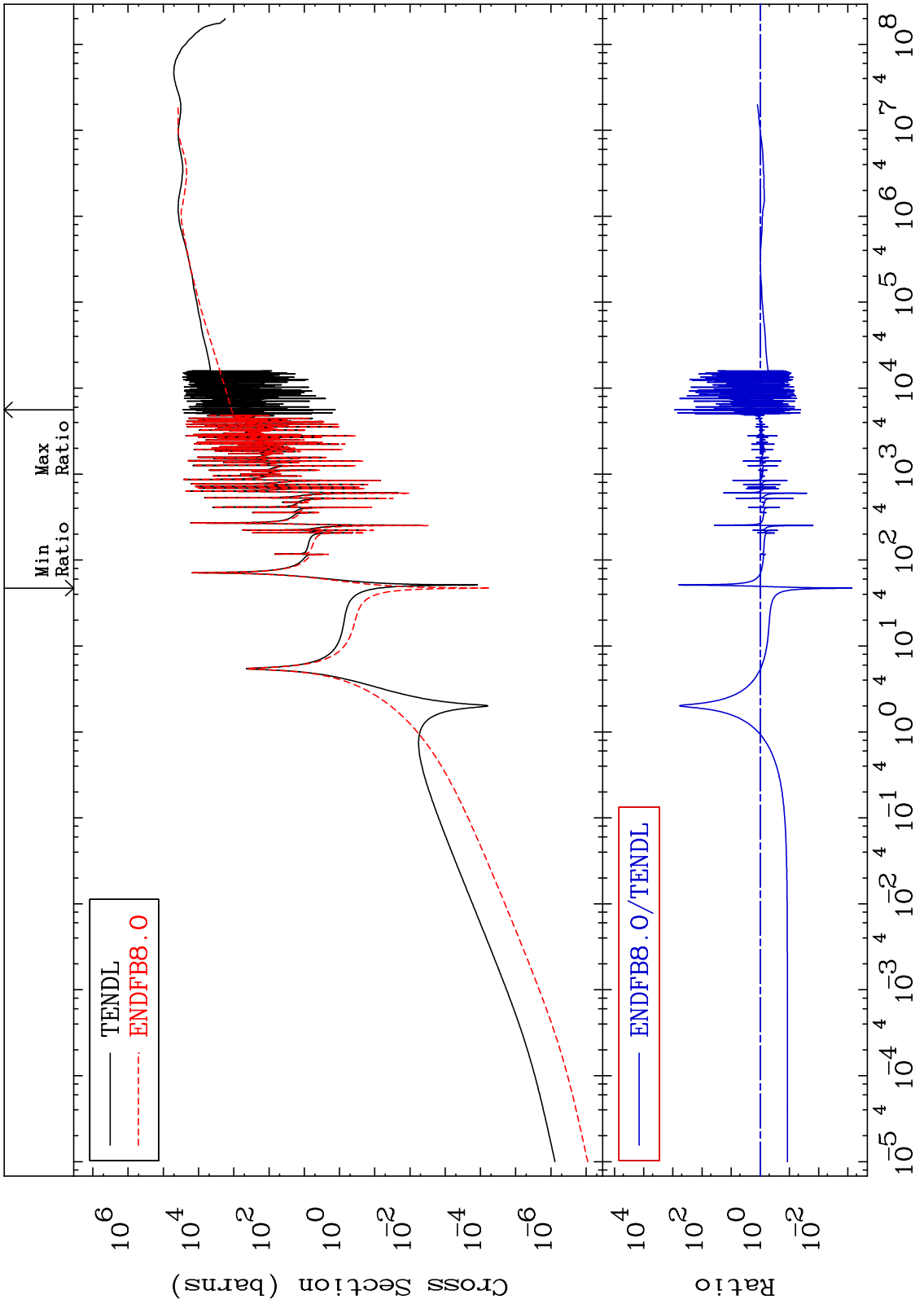
Incident Energy (eV)

66-Dy-162

MAT 6643

Kerma elastic  
Cross Section

66-Dy-162  
-99.93 To 9999. %



47

Incident Energy (eV)

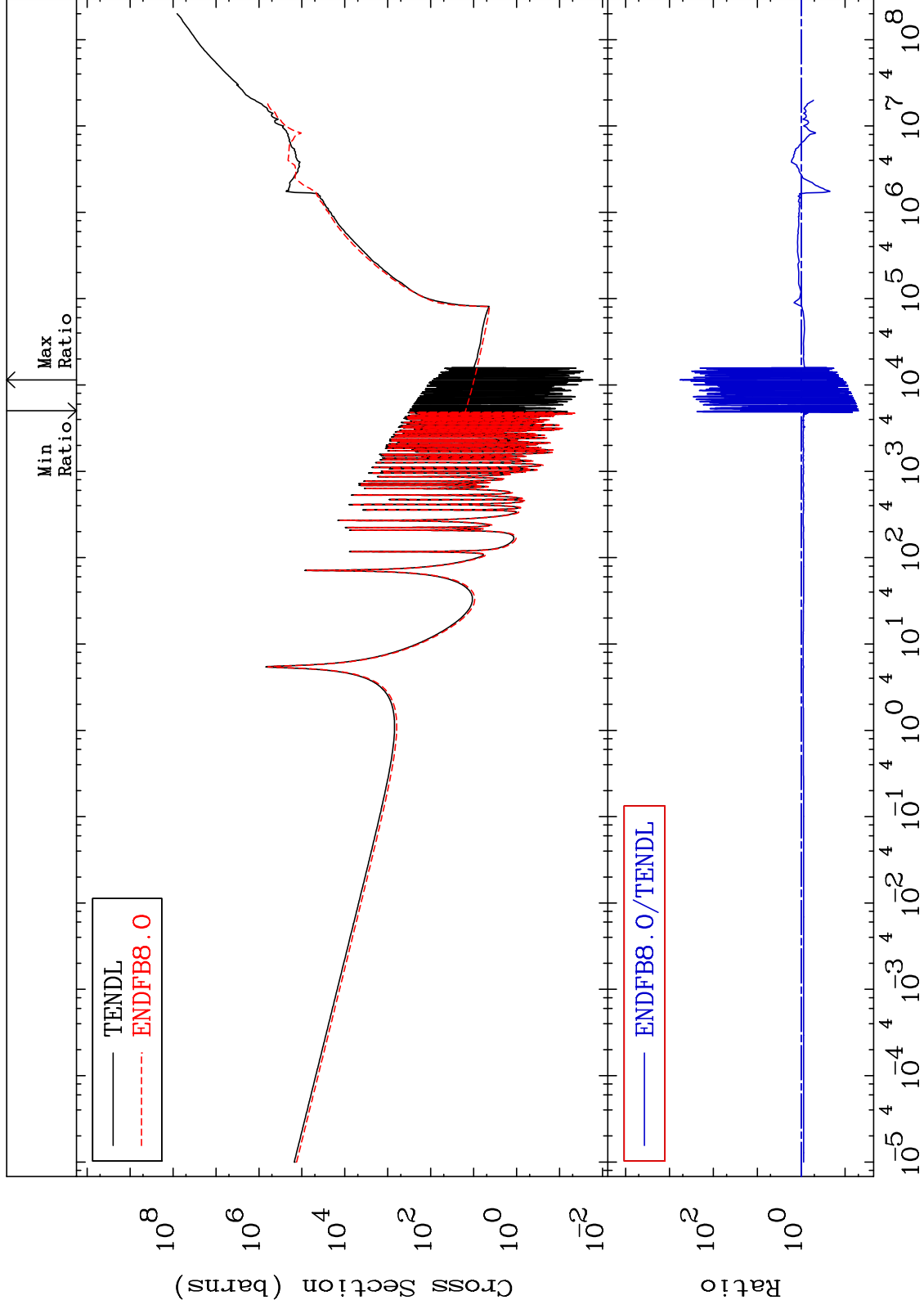
66-Dy-162



MAT 6643

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-162  
-95.03 To 9999. %



48

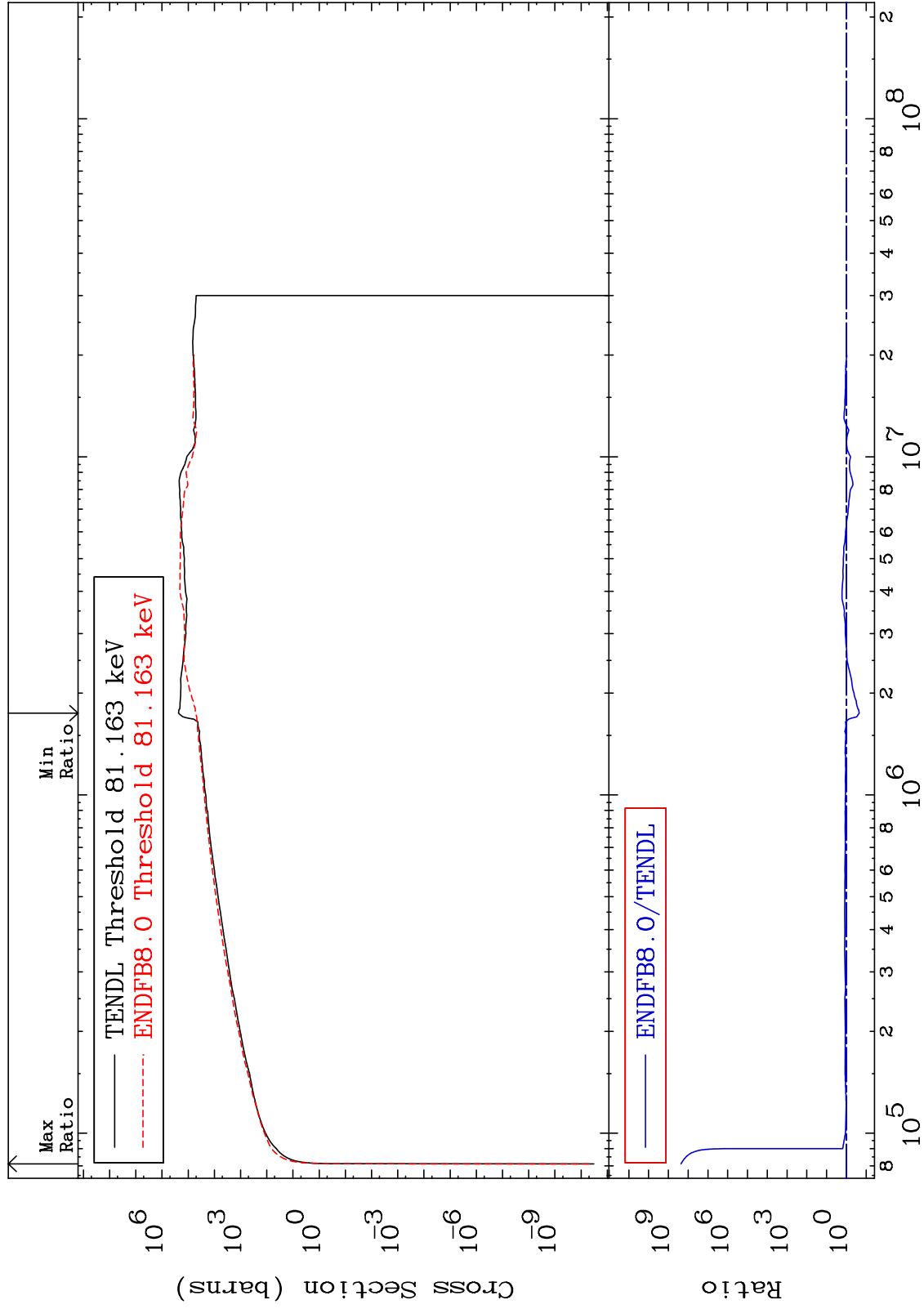
Incident Energy (eV)

66-Dy-162

MAT 6643

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-162  
-77.84 To 9999. %



49

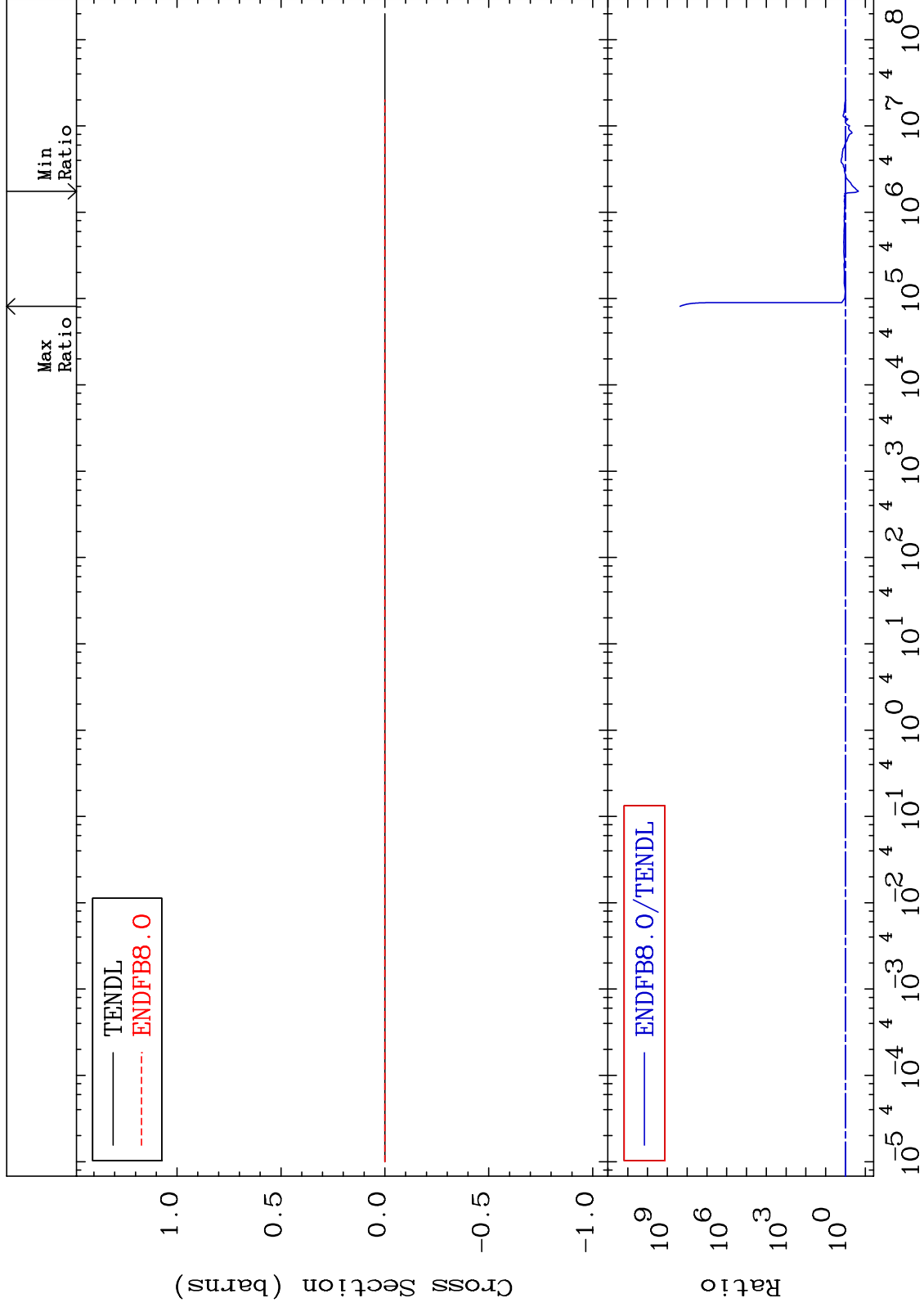
Incident Energy (eV)

66-Dy-162

MAT 6643

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

66-Dy-162  
-77.84 To 9999. %



66-Dy-162

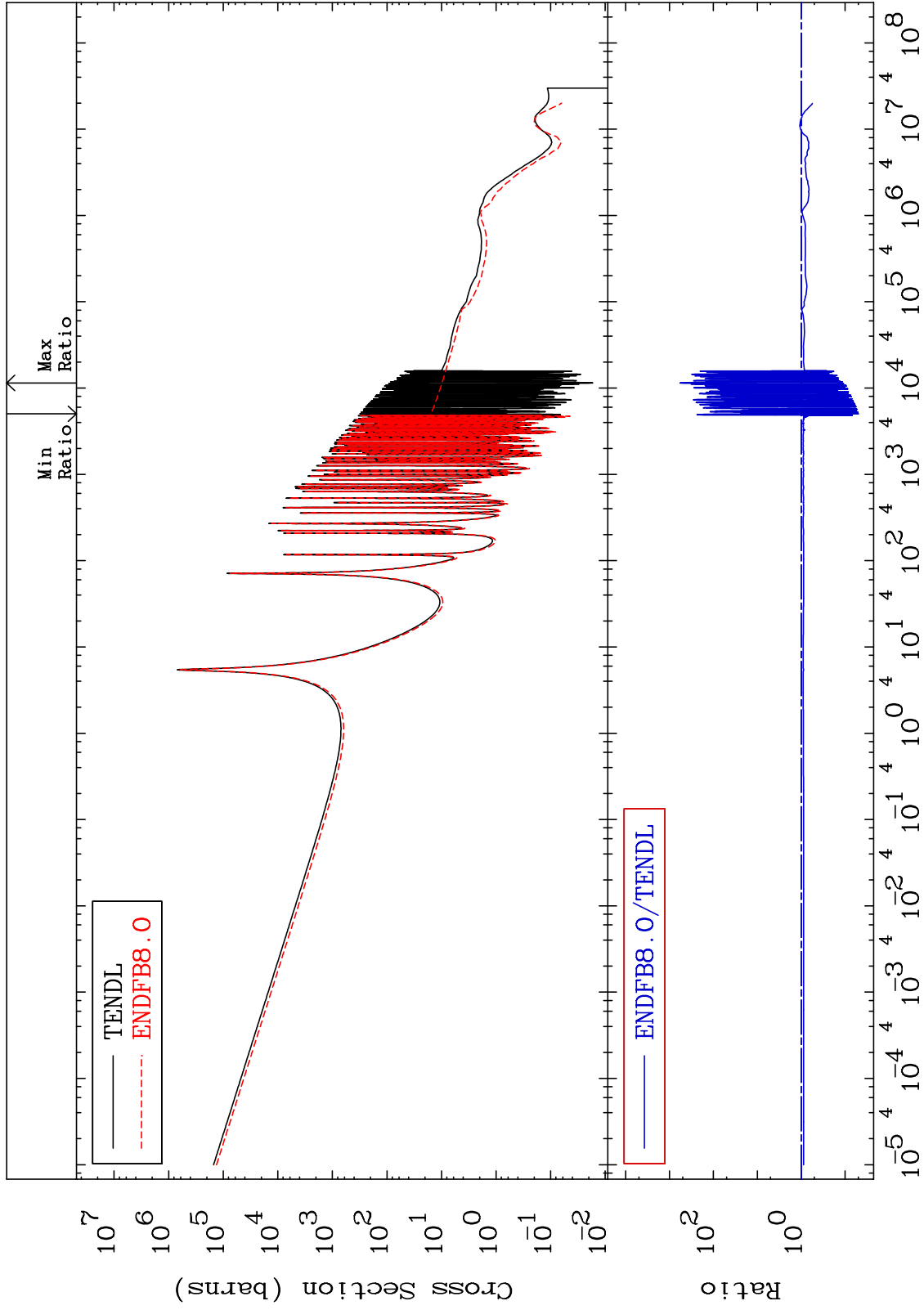
Incident Energy (eV)

50

MAT 6643

Kerma capture (mt102)  
Cross Section

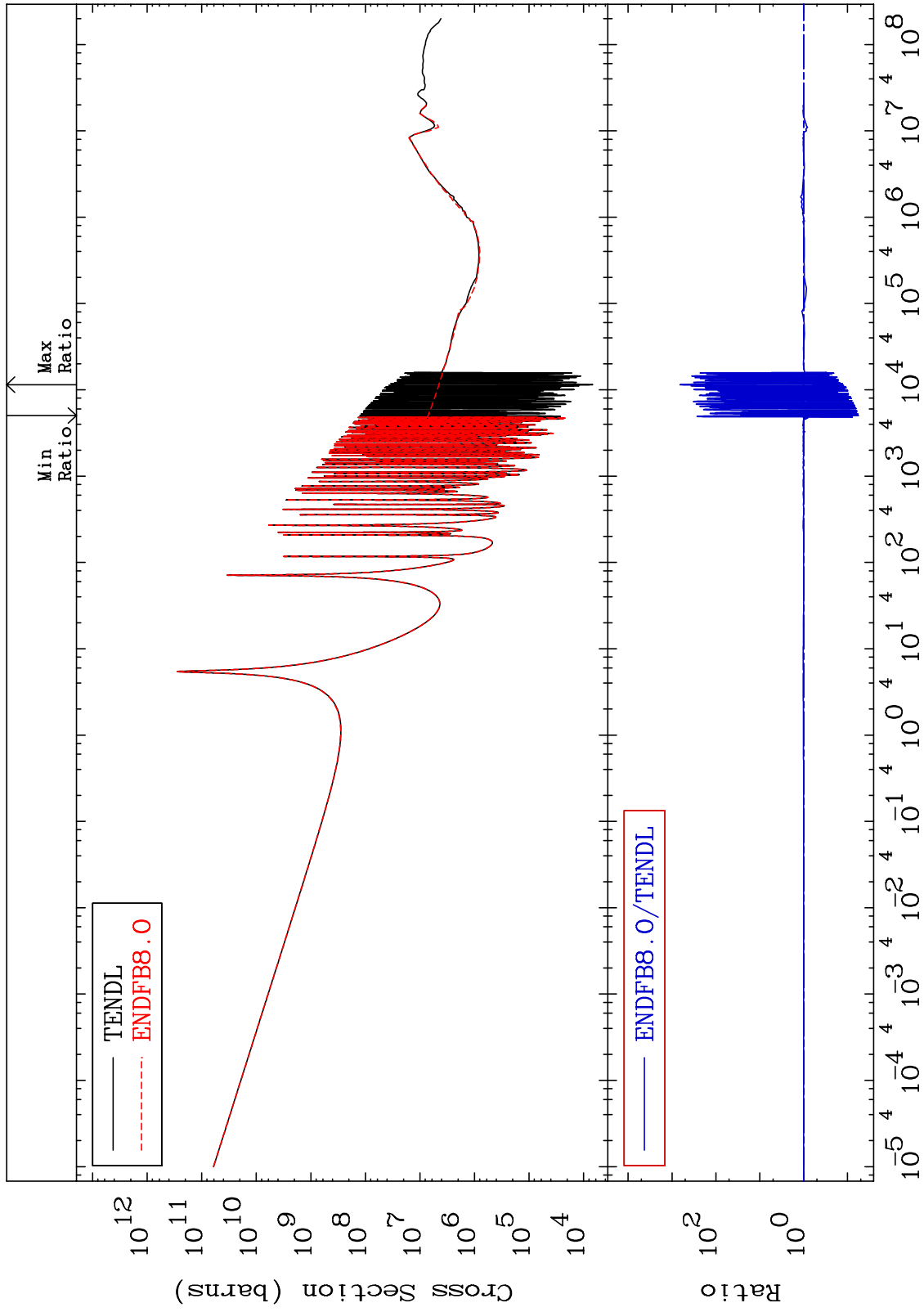
66-Dy-162  
-95.03 To 9999. %



MAT 6643

Total photon (eV-barns)  
Cross Section

66-Dy-162  
-94.35 To 9999. %



52

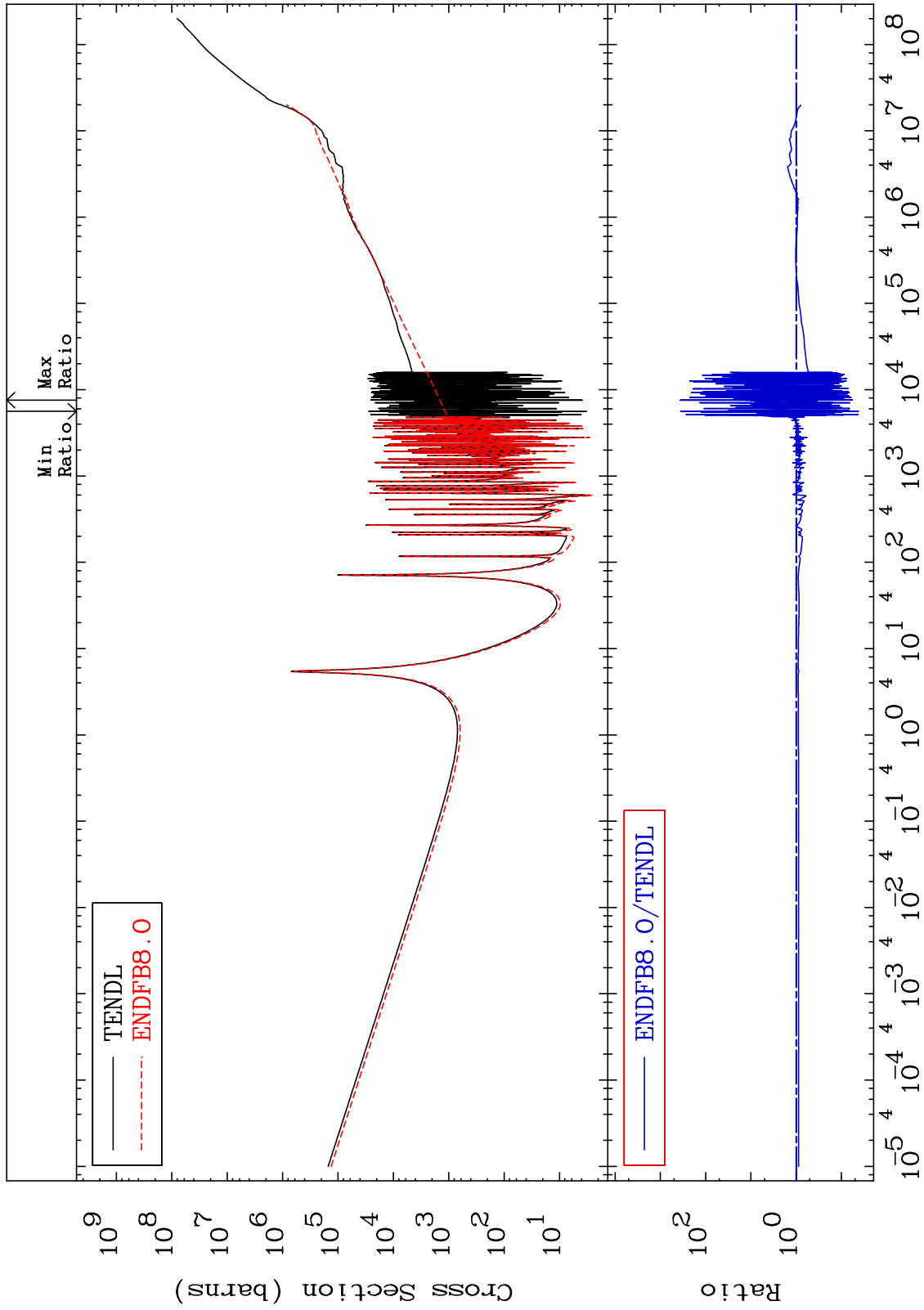
Incident Energy (eV)

66-Dy-162

MAT 6643

Total kinematic kerma (high limit)  
Cross Section

66-Dy-162  
-95.78 To 9999. %



53

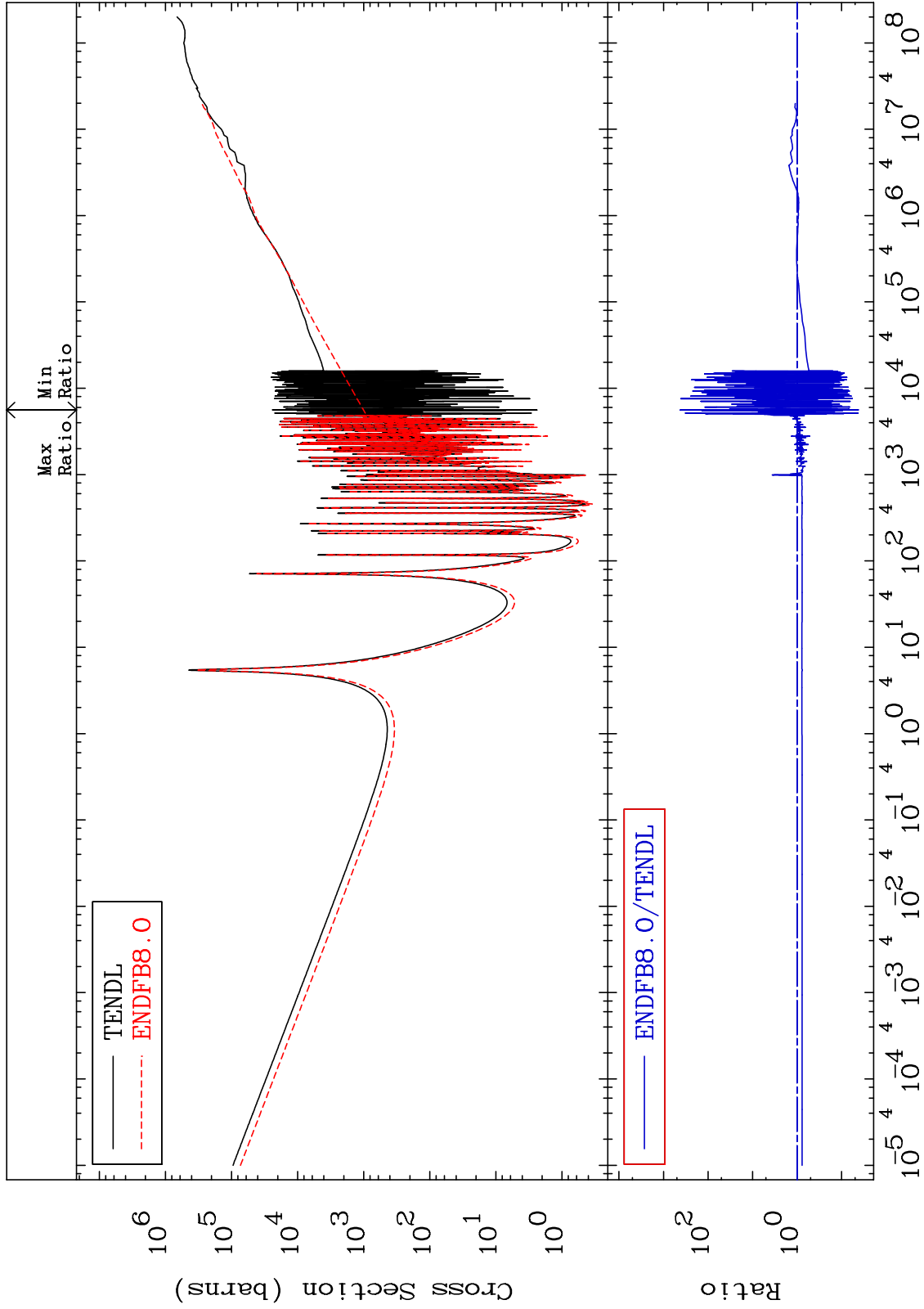
Incident Energy (eV)

66-Dy-162

MAT 6643

Dpa total (eV-barns)  
Cross Section

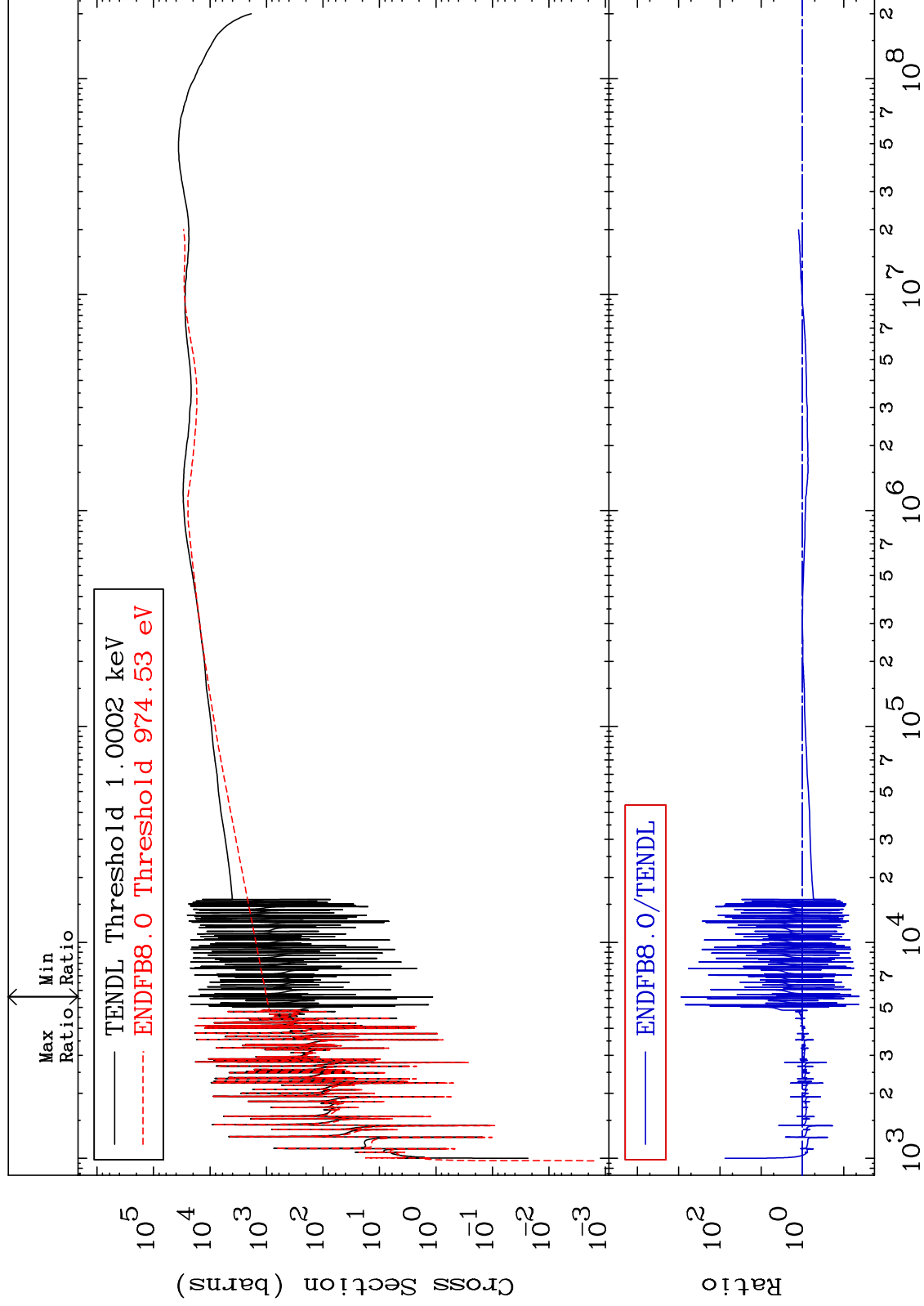
66-Dy-162  
-95.79 To 9999. %



MAT 6643

Dpa elastic (mt2)  
Cross Section

66-Dy-162  
-95.81 To 9999. %



55

Incident Energy (eV)

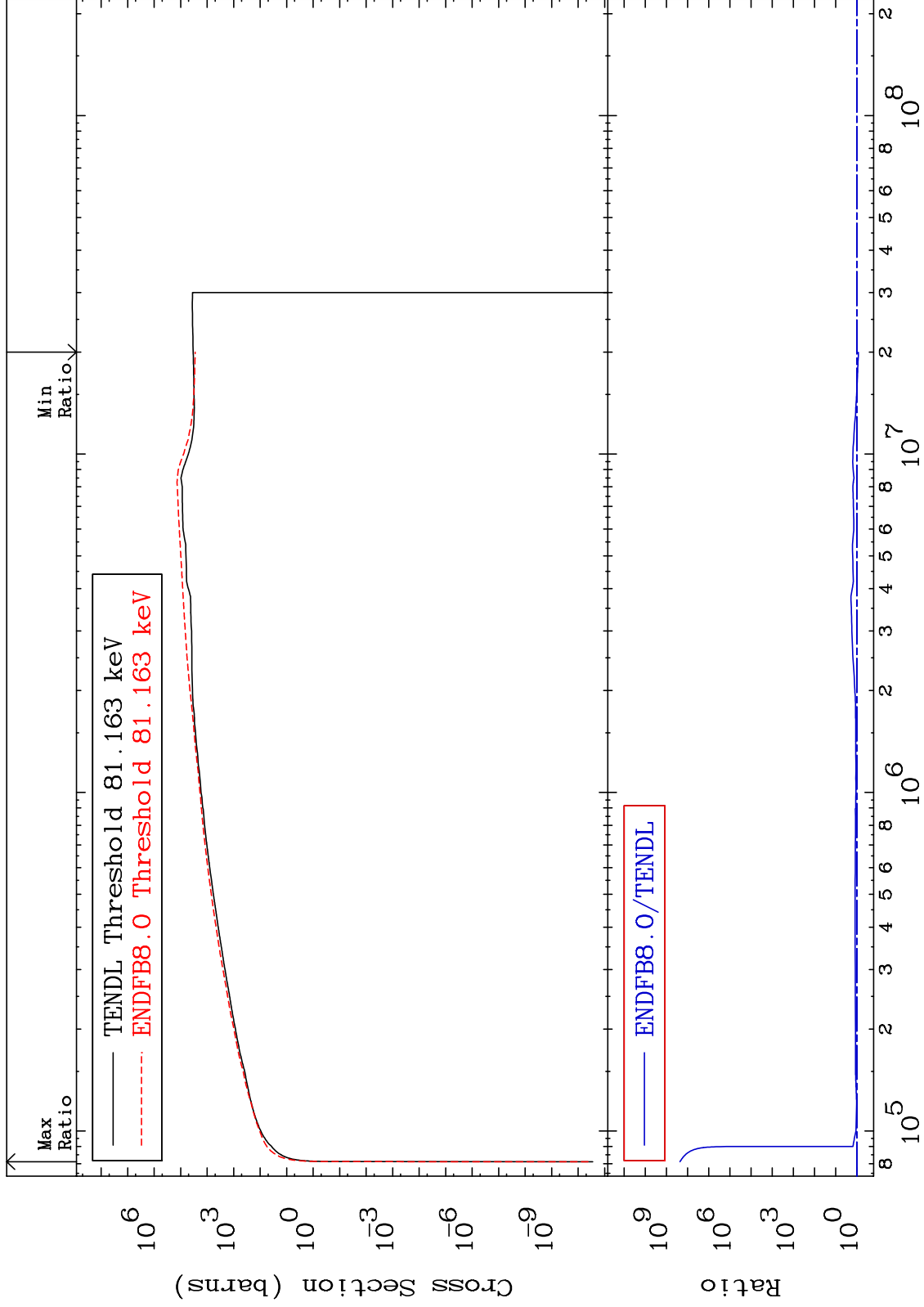
66-Dy-162



MAT 6643

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-162  
-16.00 To 9999. %



56

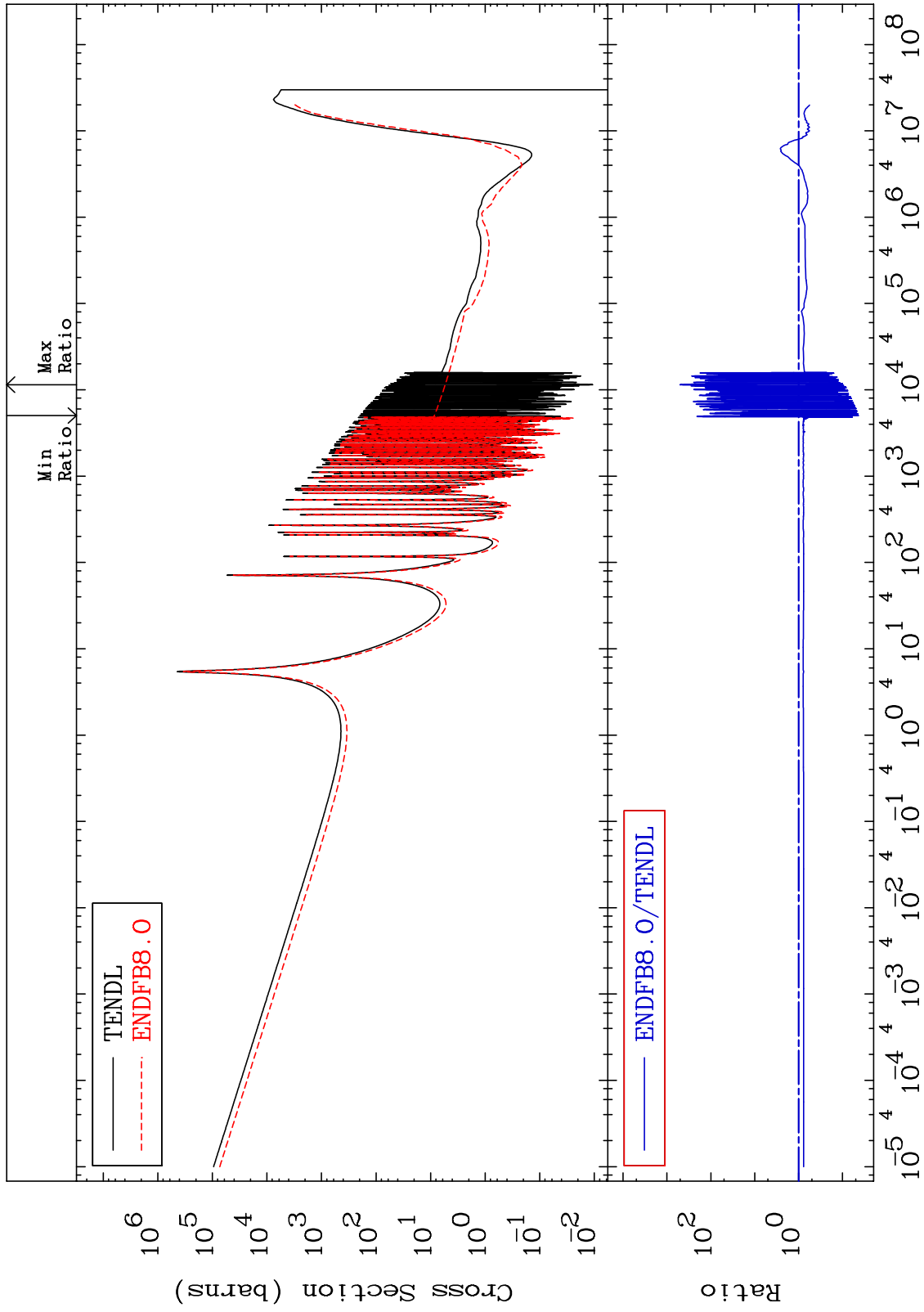
Incident Energy (eV)

66-Dy-162

MAT 6643

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-162  
-95.66 To 9999. %



57

Incident Energy (eV)

66-Dy-162