

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

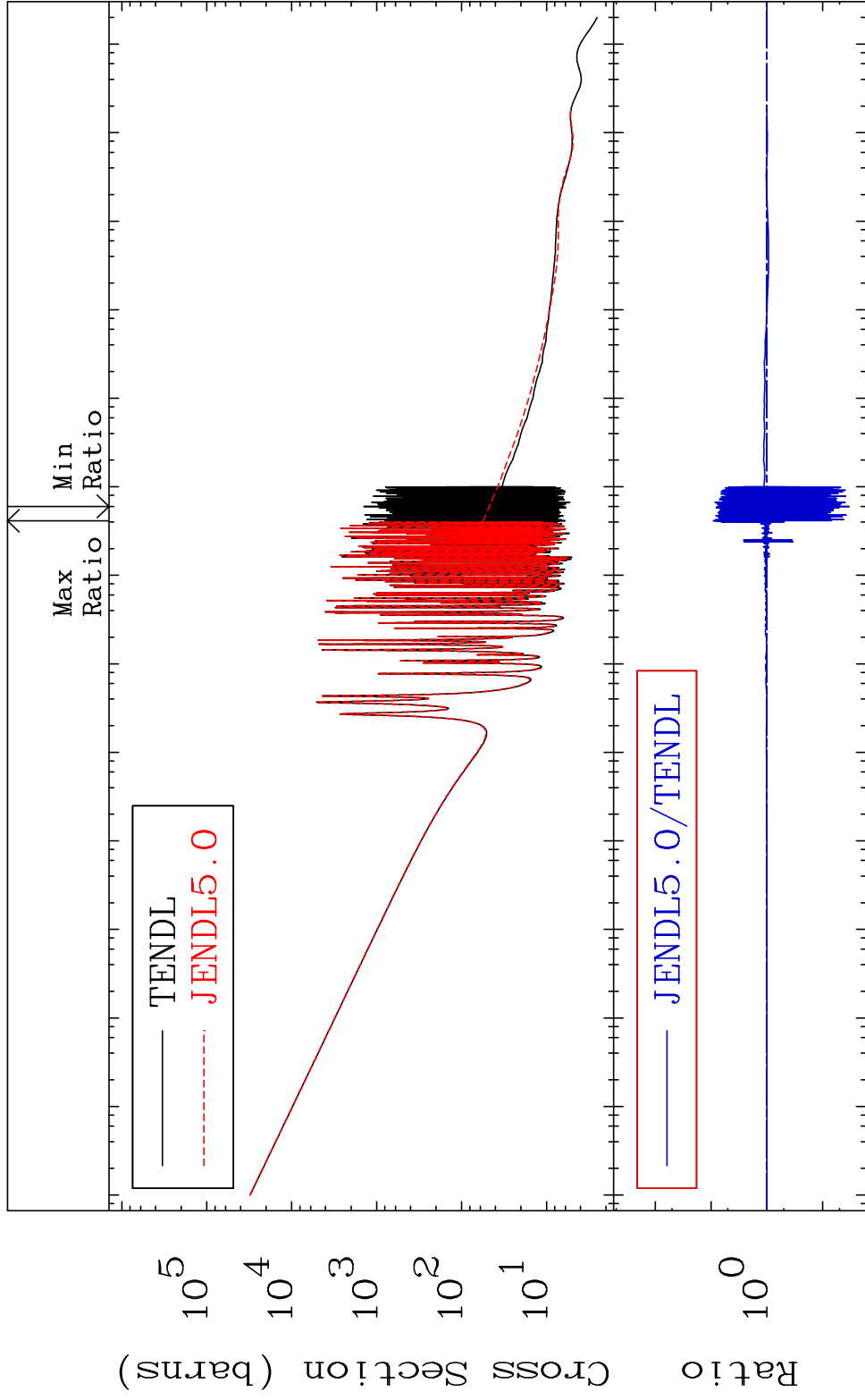
MAT 6640

Total

66-Dy-161

Cross Section

-96.66 To 814.6 %



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

1

Incident Energy (eV)

66-Dy-161

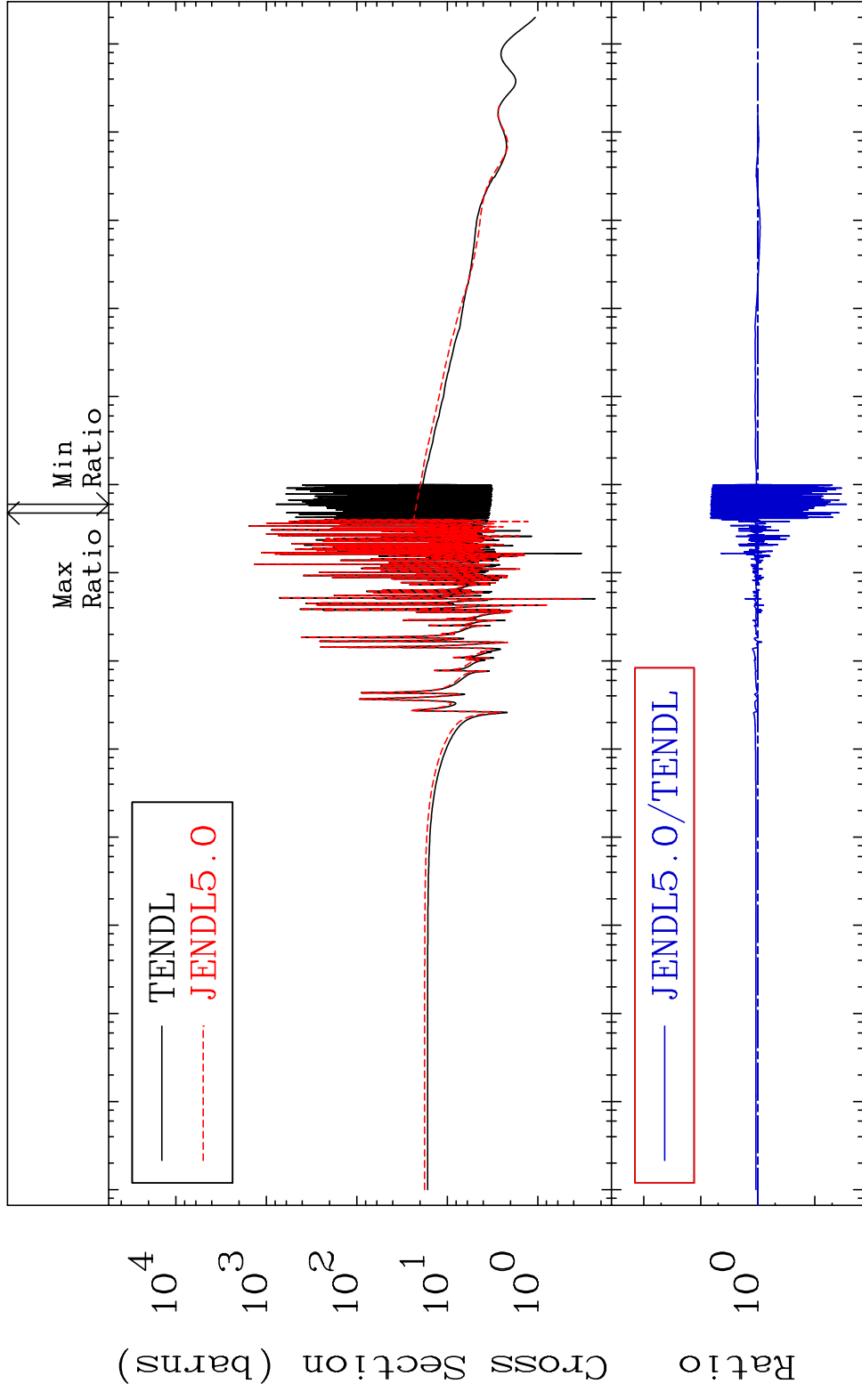
MAT 6640

Elastic

66-Dy-161

Cross Section

-97.19 To 571.7 %



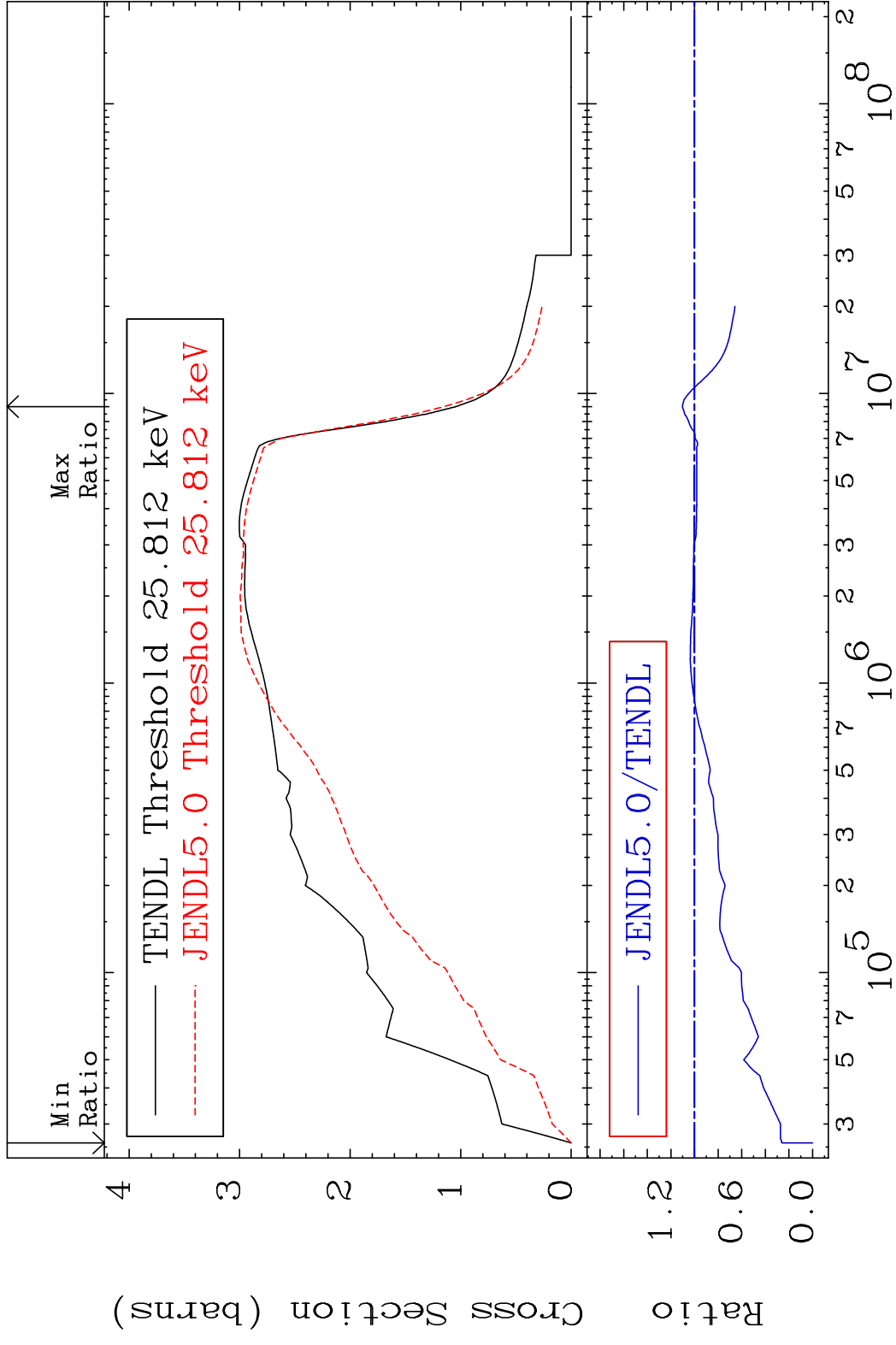
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

66-Dy-161

MAT 6640 Inelastic Cross Section -100.0 To 10.32 % 66-Dy-161



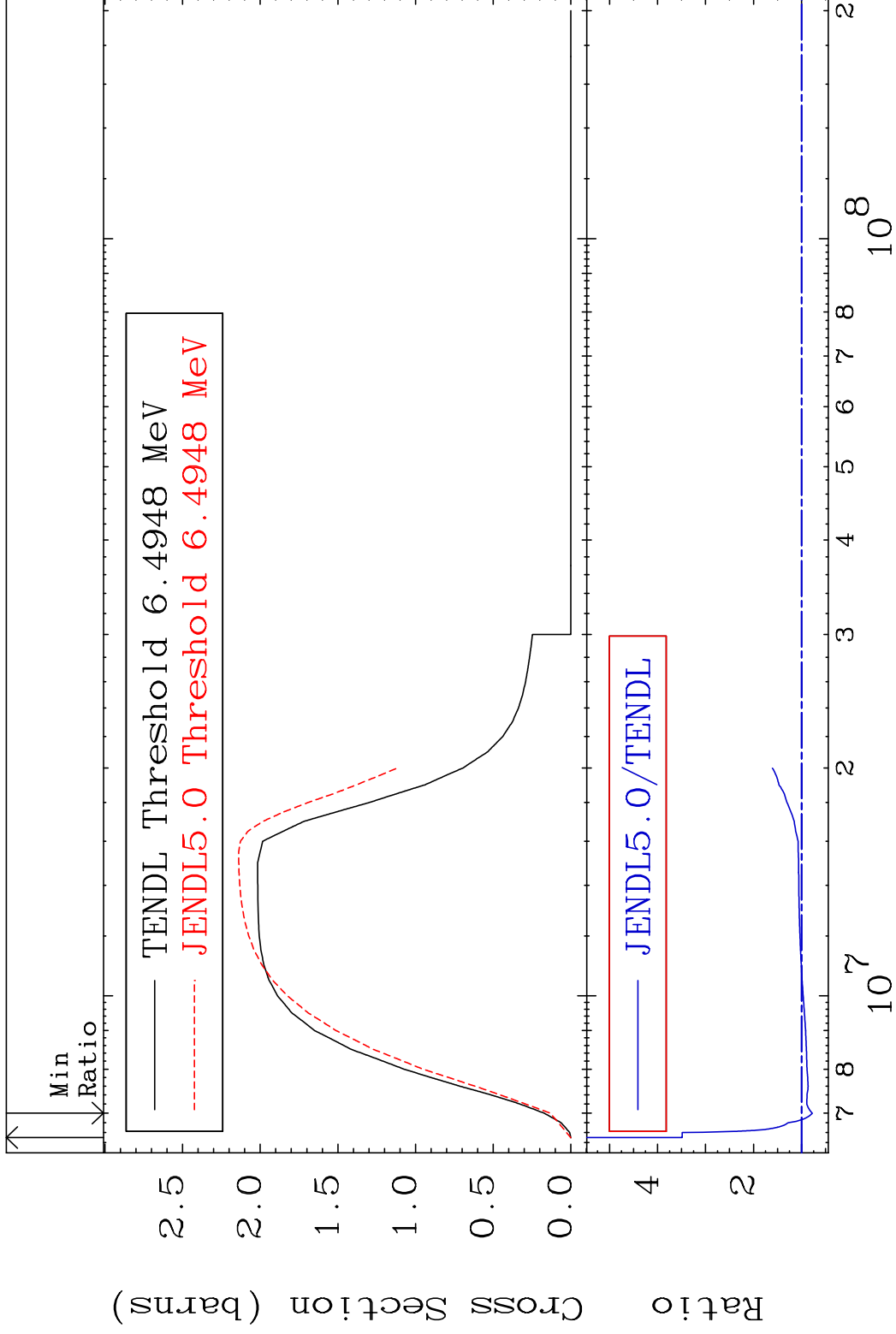
3 3 Incident Energy (eV) 66-Dy-161

MAT 6640

(n,2n)

66-Dy-161

Cross Section -22.70 To 248.7 %



4

Incident Energy (eV)

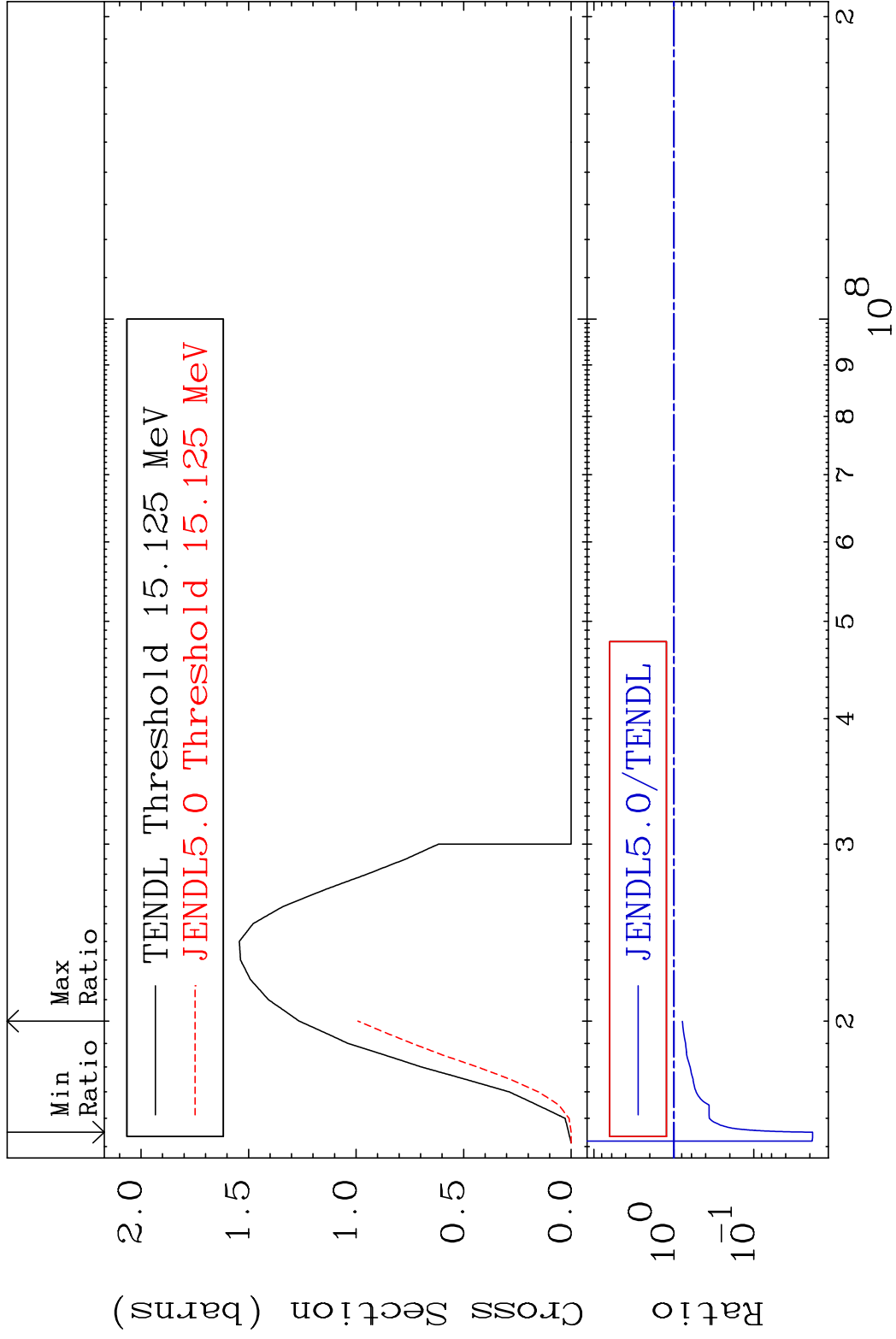
66-Dy-161

MAT 6640

(n,3n)

66-Dy-161

Cross Section -98.15 To -21.67%

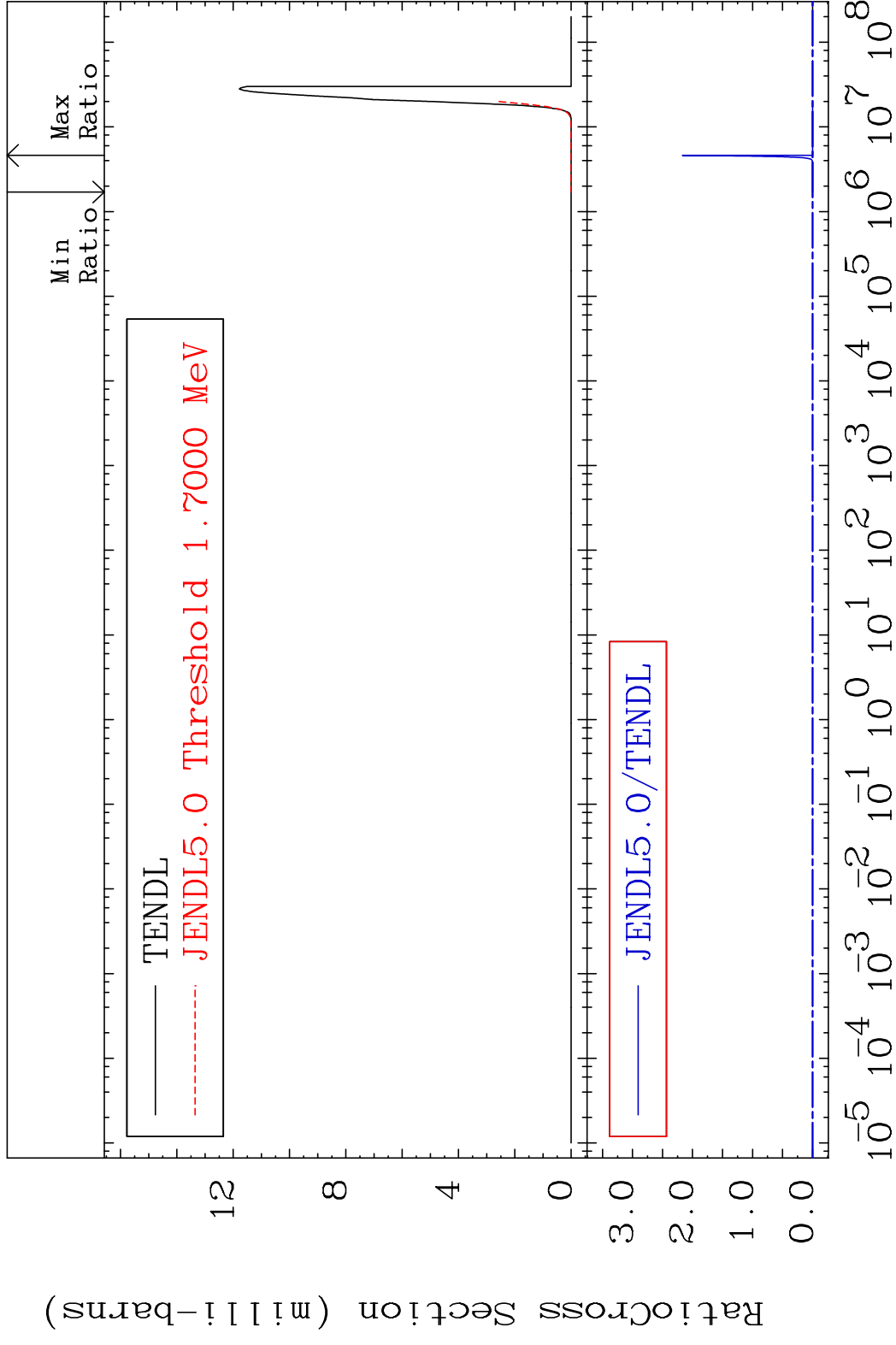


5

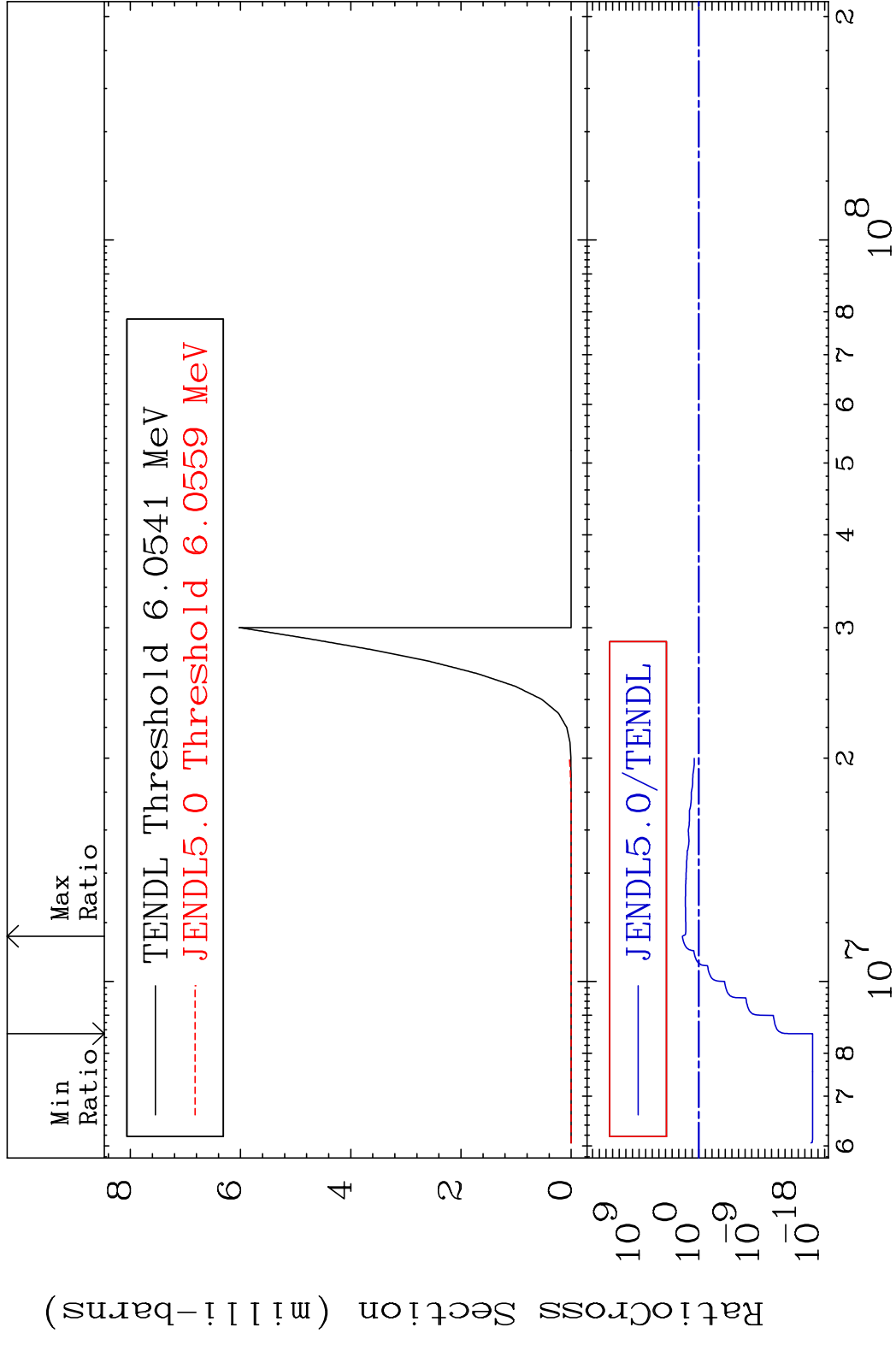
Incident Energy (eV)

66-Dy-161

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



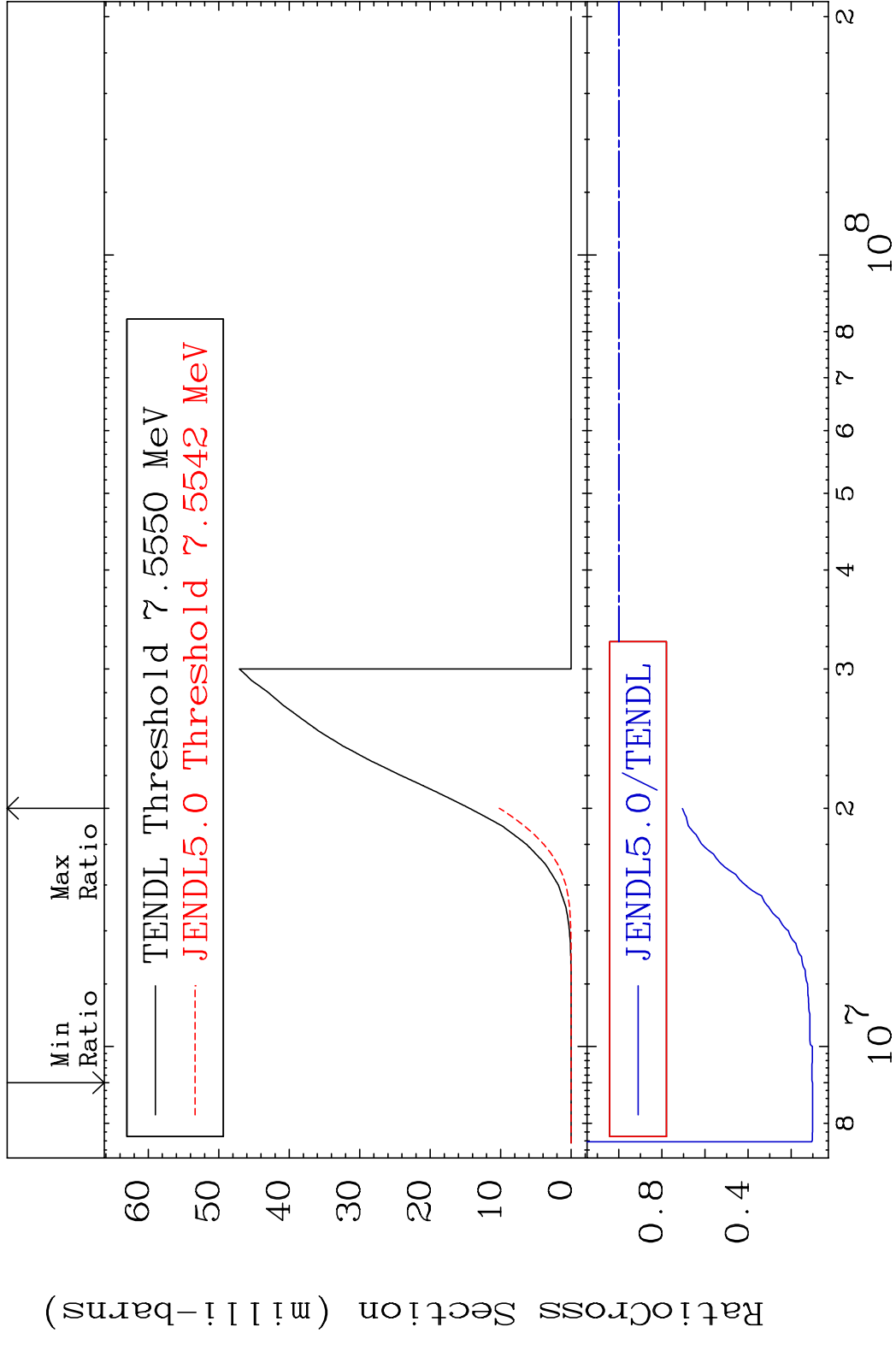
MAT 6640 (n,2n)  $\alpha$  66-Dy-161  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 66-Dy-161



MAT 6640 (n, n') p 66-Dy-161  
 Cross Section -89.89 To -29.47%



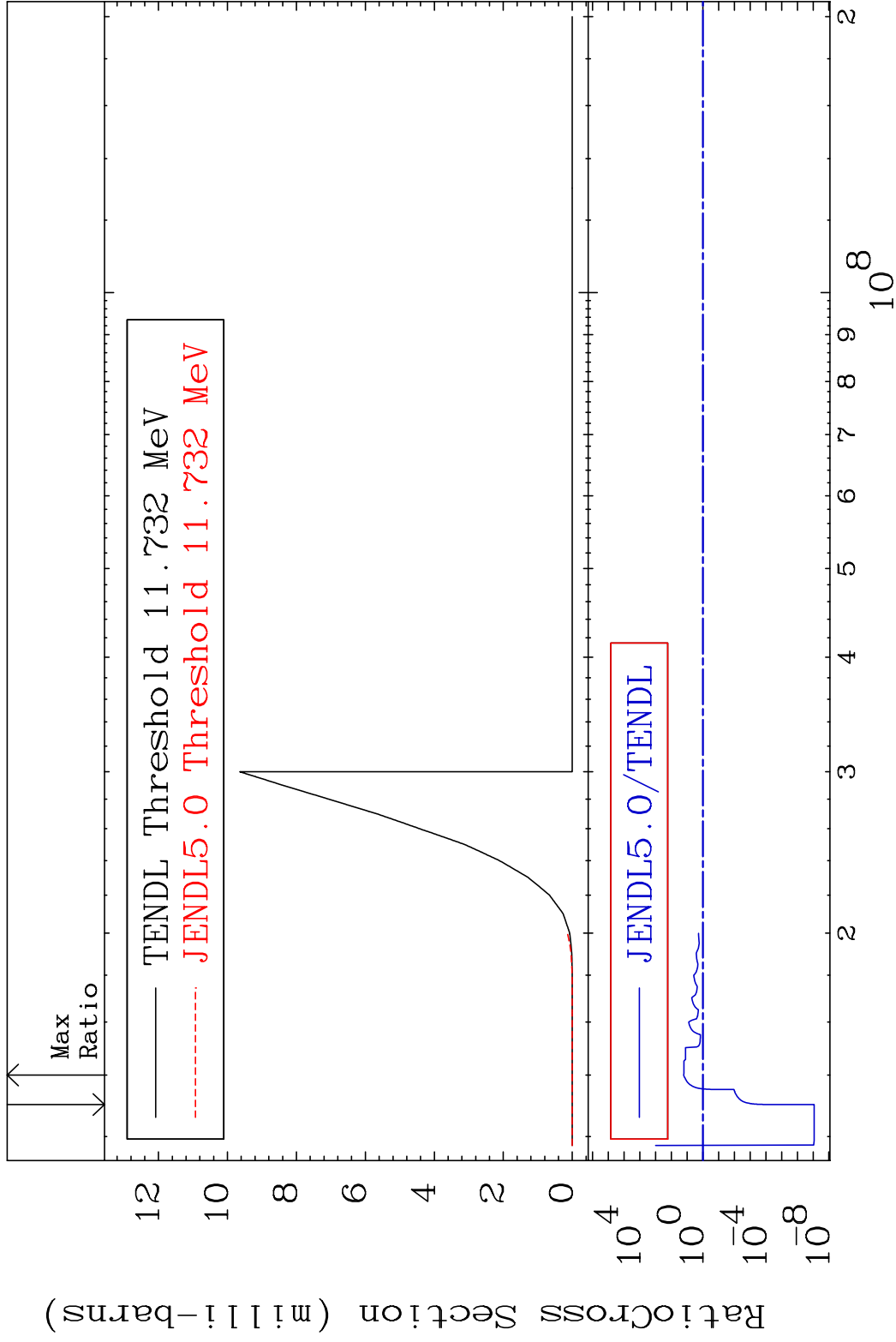
8 8 Incident Energy (eV) 66-Dy-161

MAT 6640

(n, n') d

66-Dy-161

Cross Section -100.0 To 1555. %

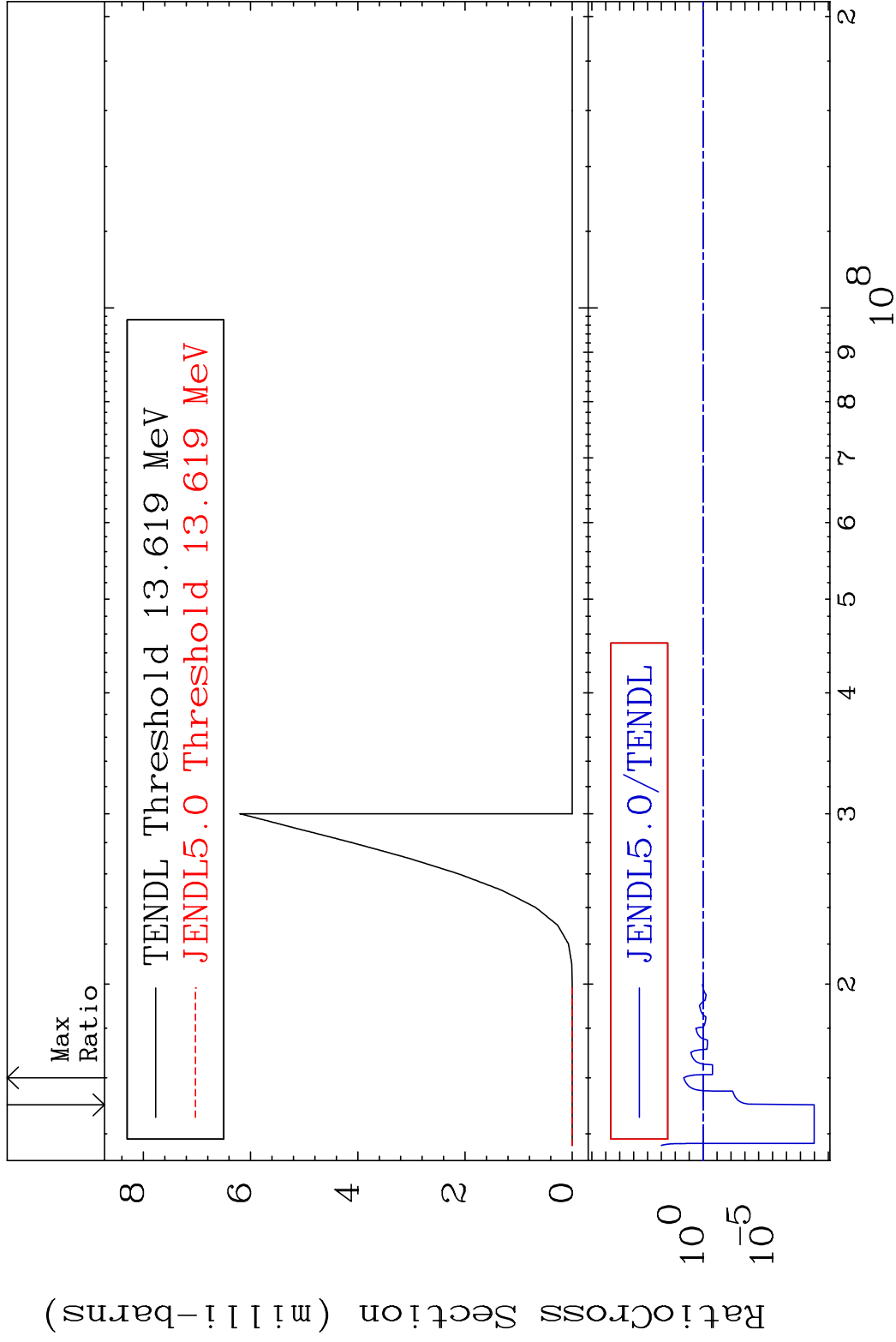


MAT 6640

(n, n') t

66-Dy-161

Cross Section -100.0 To 2408. %



10

Incident Energy (eV)

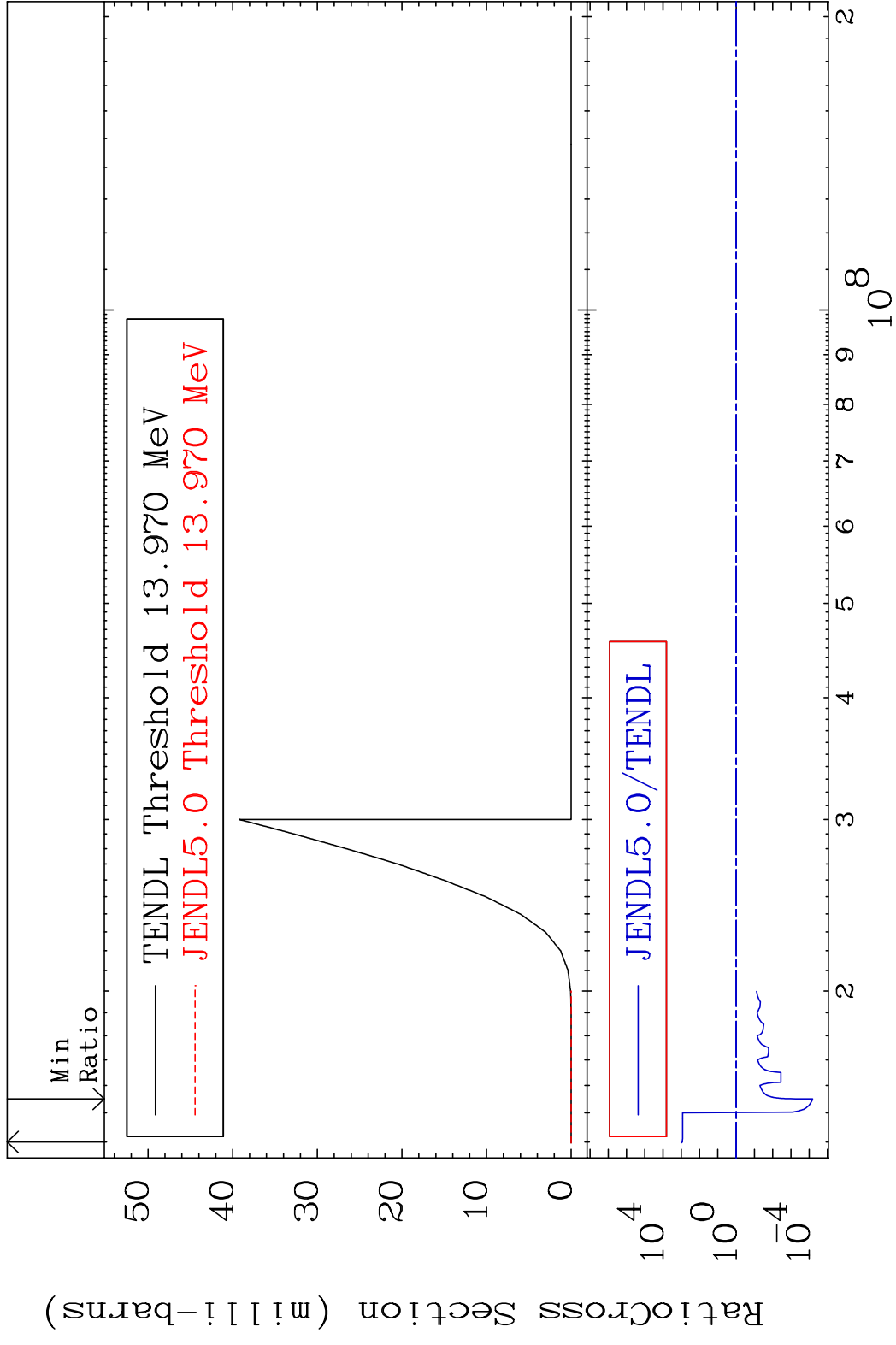
66-Dy-161

MAT 6640

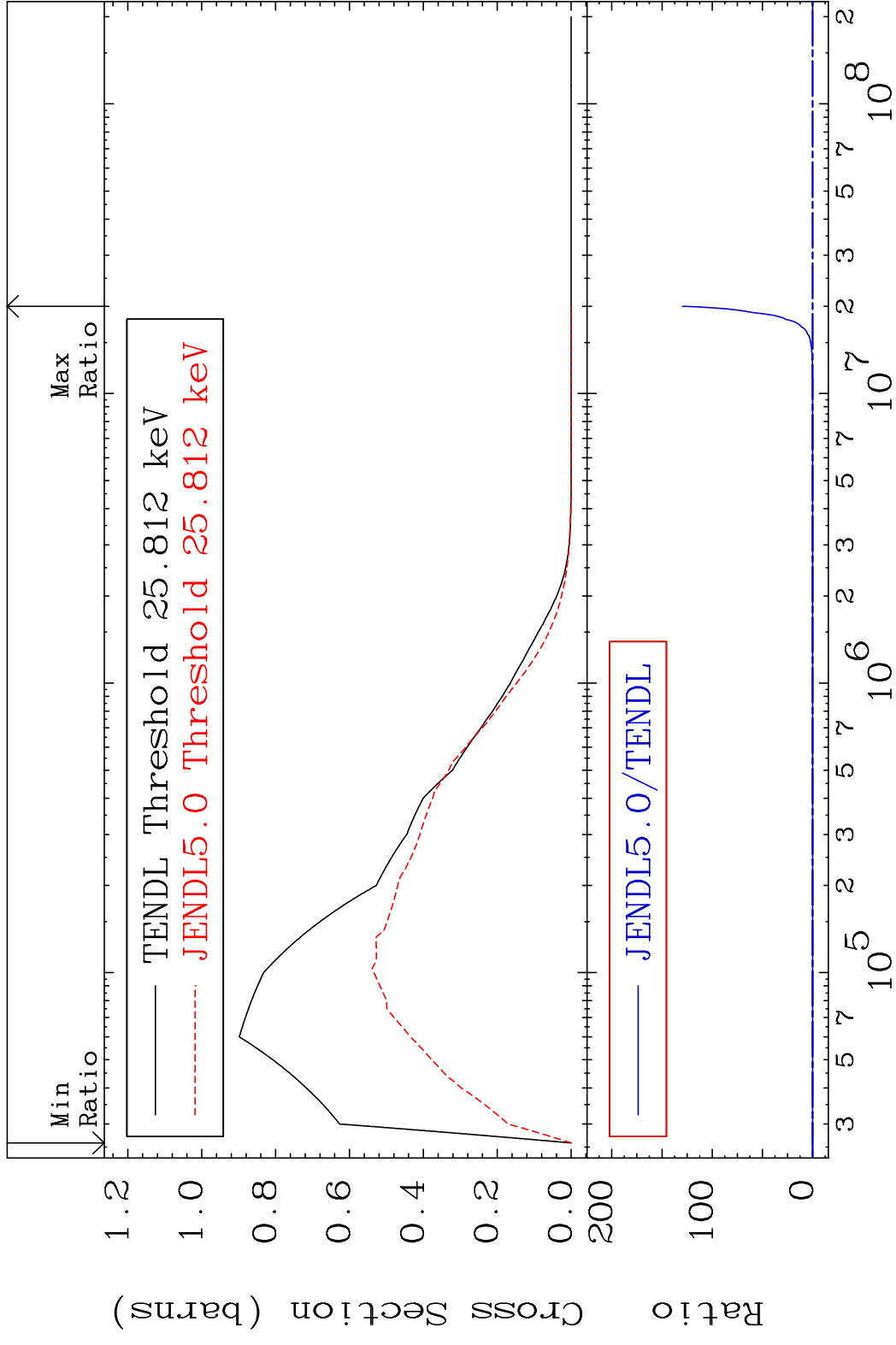
(n,2n) p

66-Dy-161

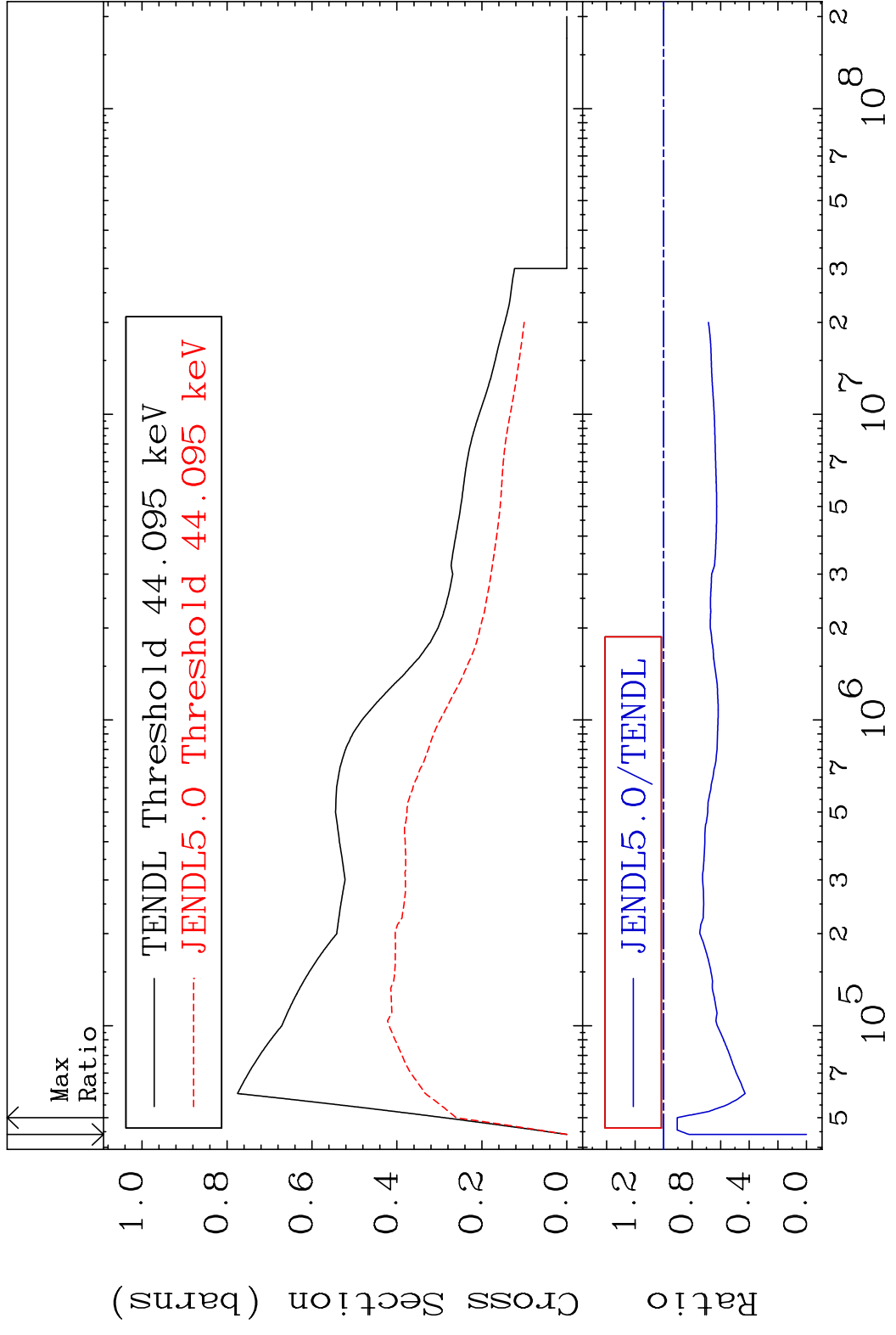
Cross Section -99.99 To 9999. %



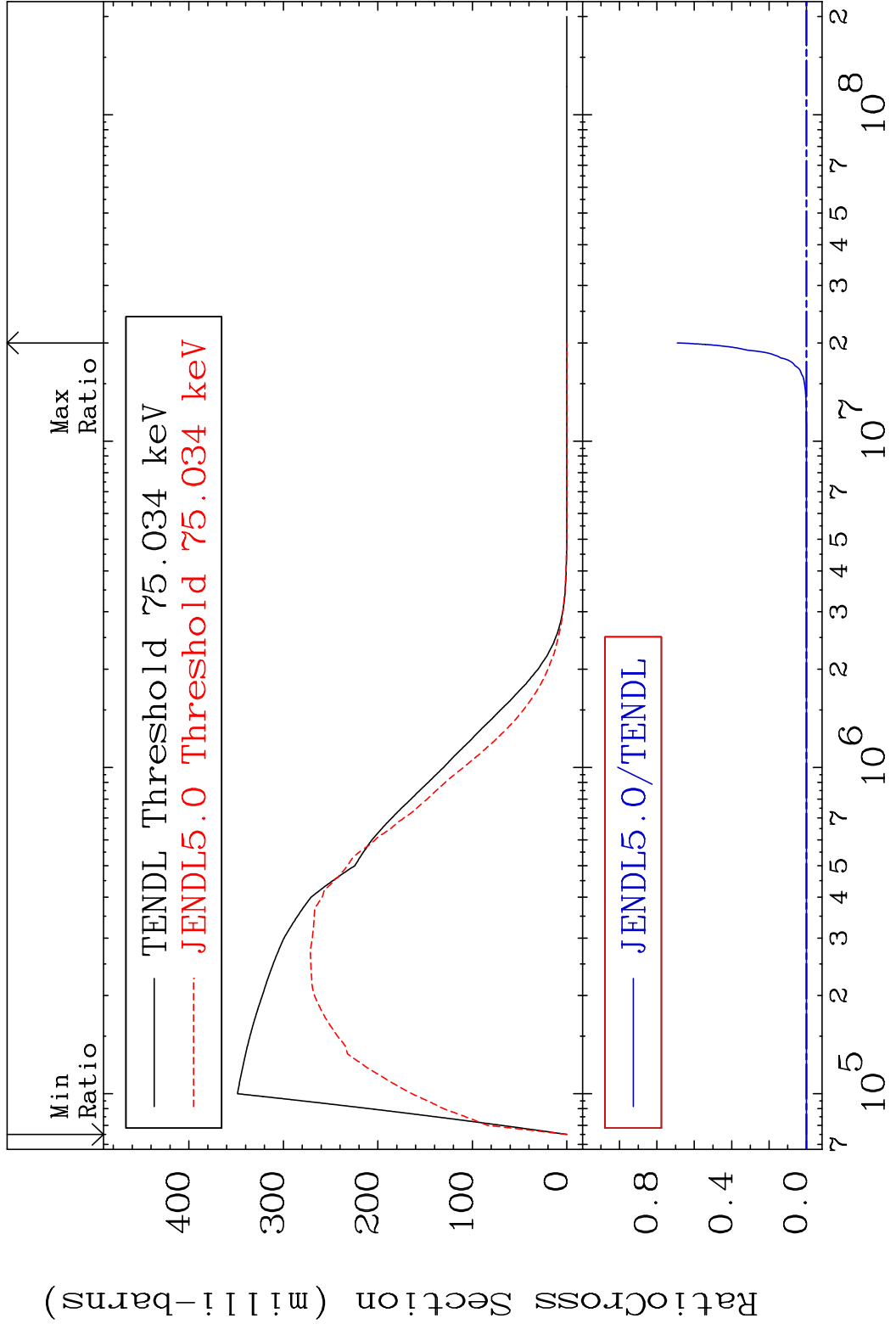
MAT 6640 MT= 51 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %



MAT 6640 MT= 52 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To -9.489%



MAT 6640 MT= 53 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %



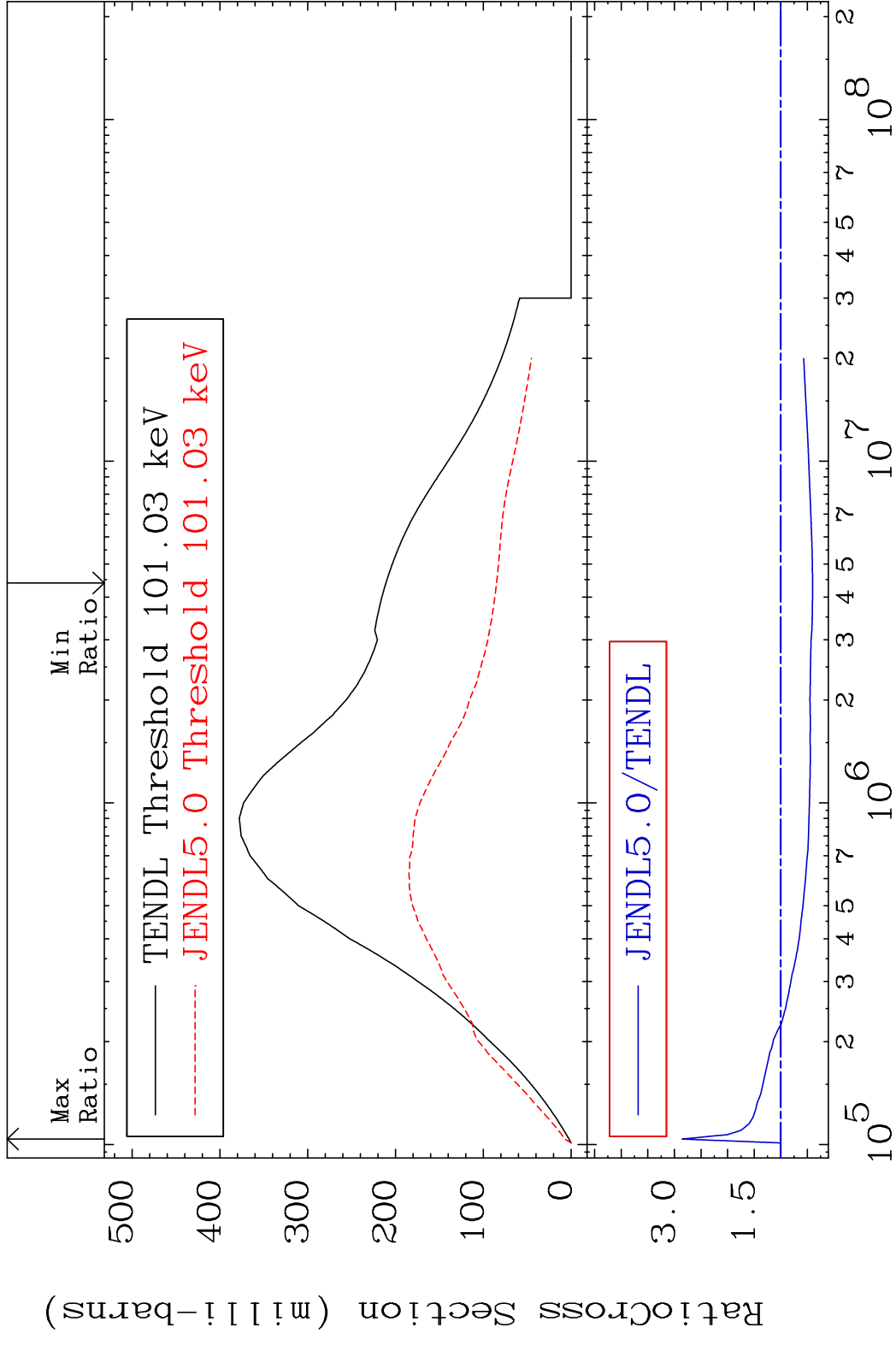
14 Incident Energy (eV) 66-Dy-161

MAT 6640

MT= 54 (n, n') Level

66-Dy-161

Cross Section -59.72 To 185.1 %



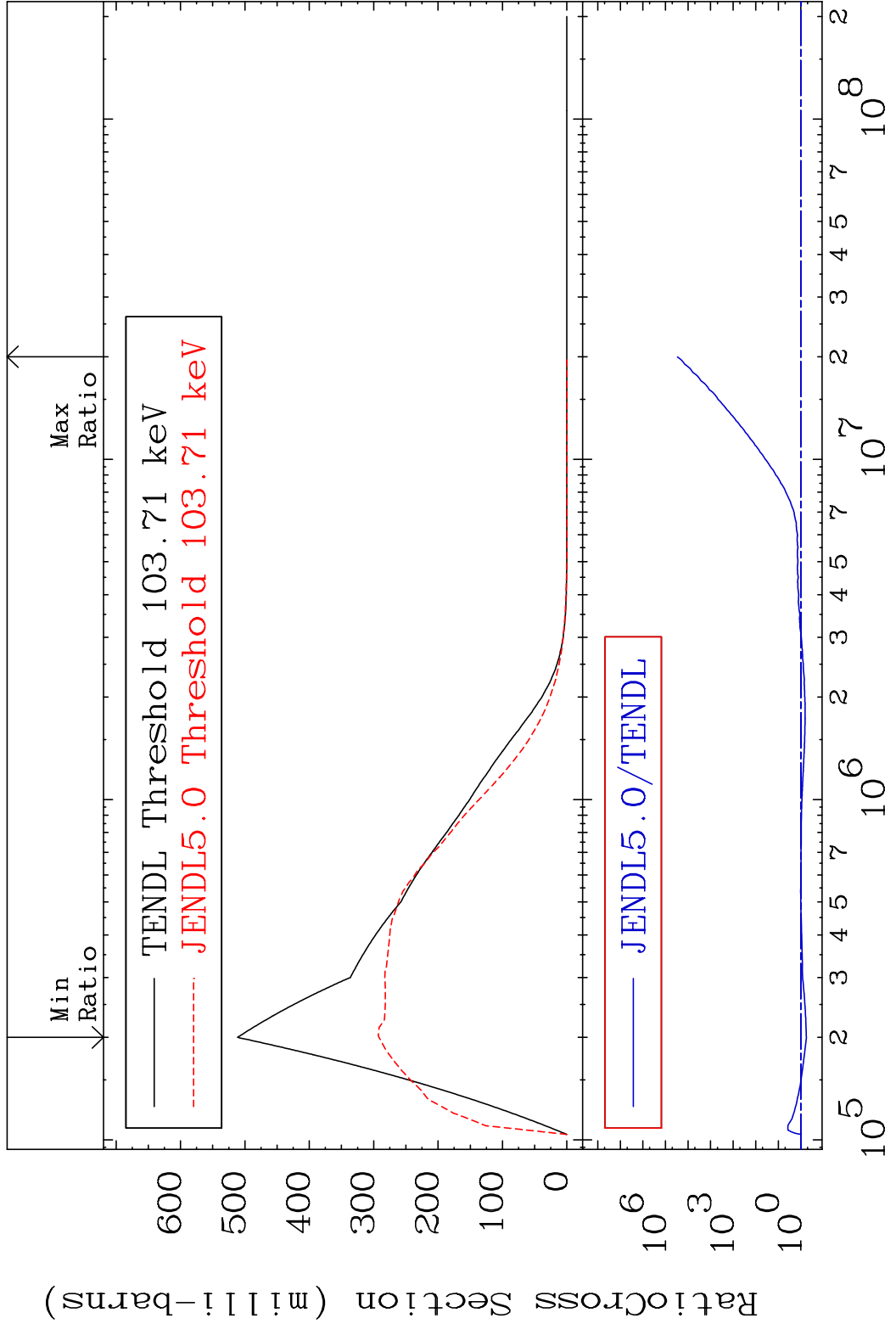
15

Incident Energy (eV)

66-Dy-161

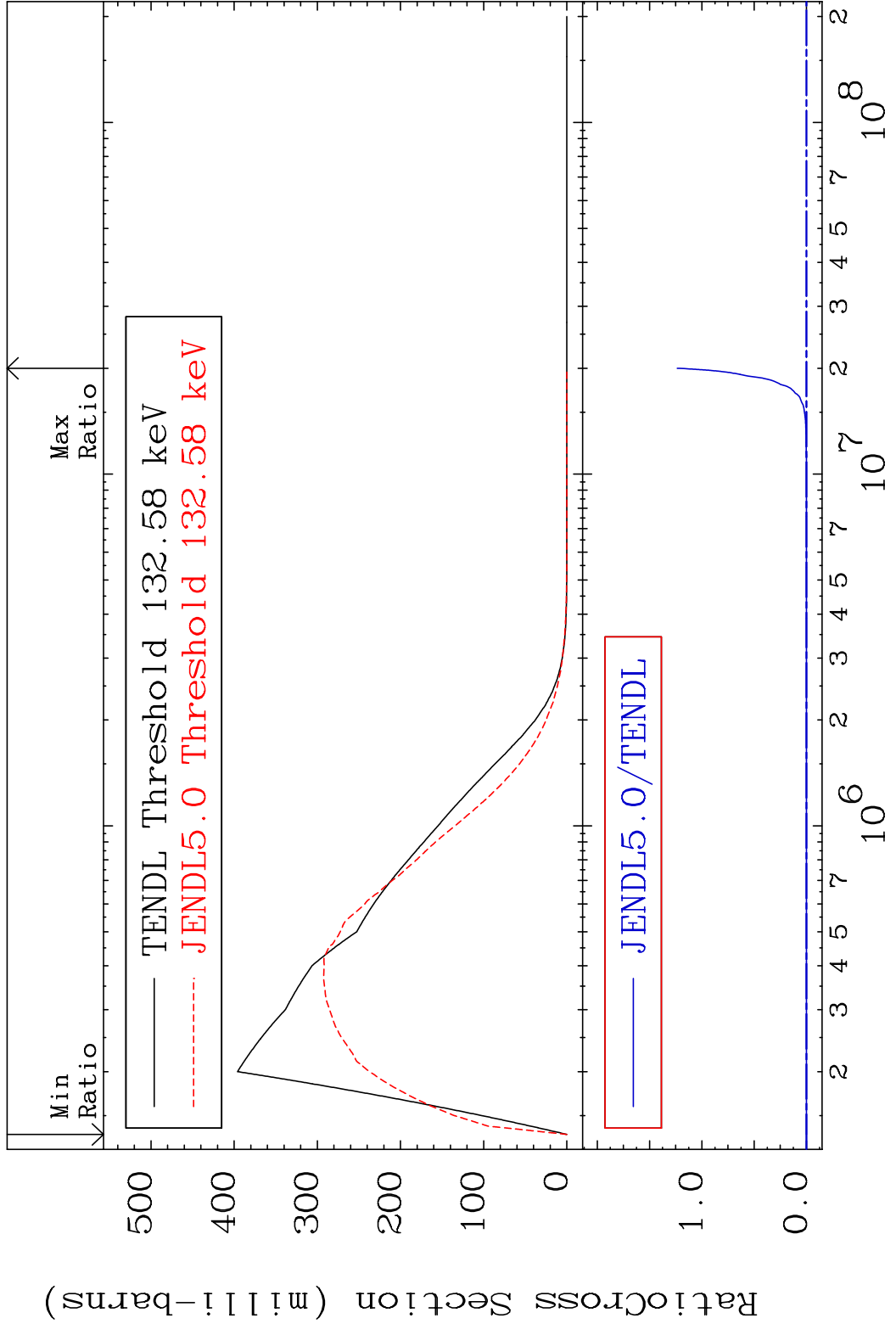


MAT 6640 MT= 55 (n, n') Level 66-Dy-161  
 Cross Section -42.96 To 9999. %

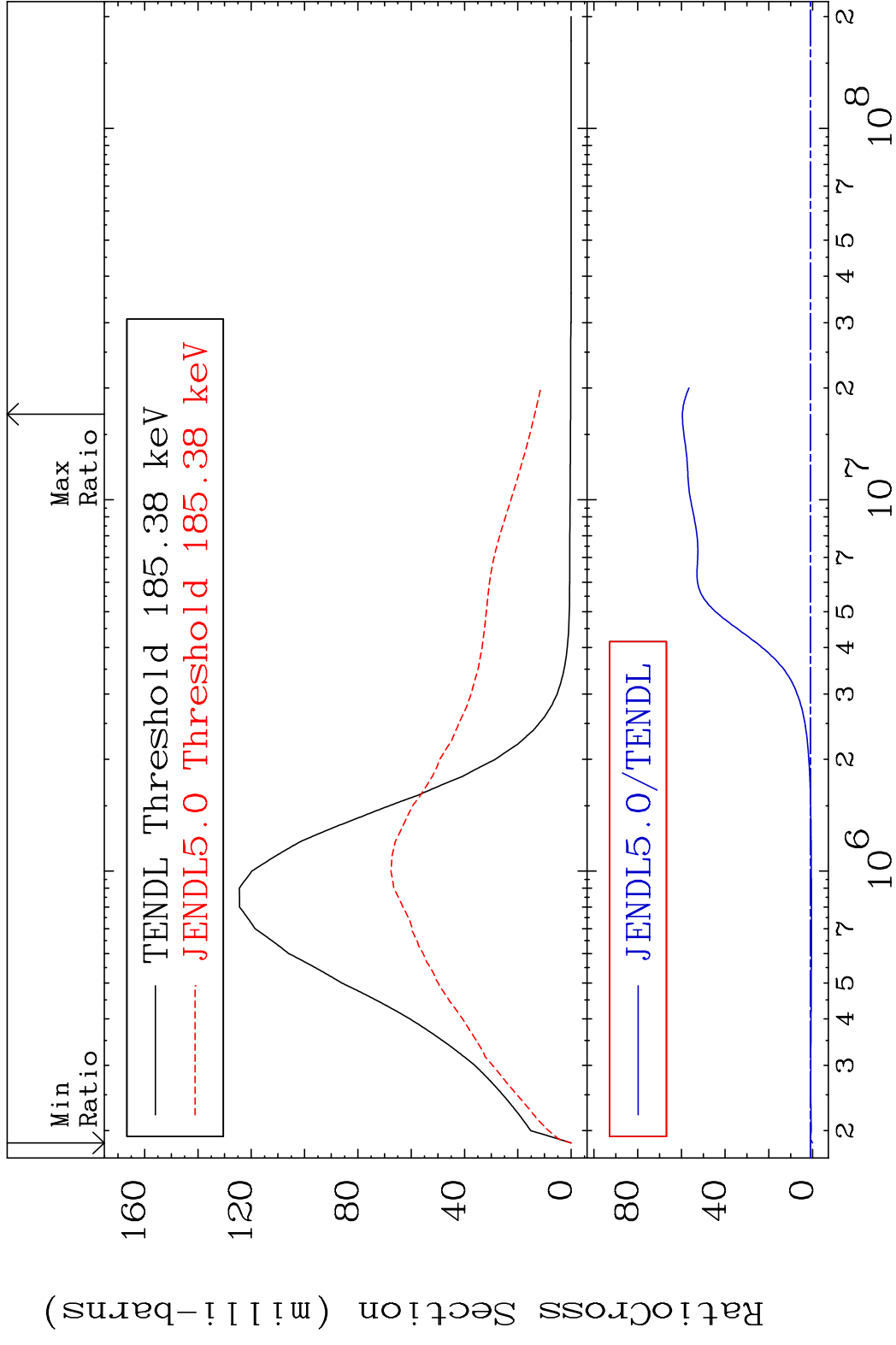


16 Incident Energy (eV) 66-Dy-161

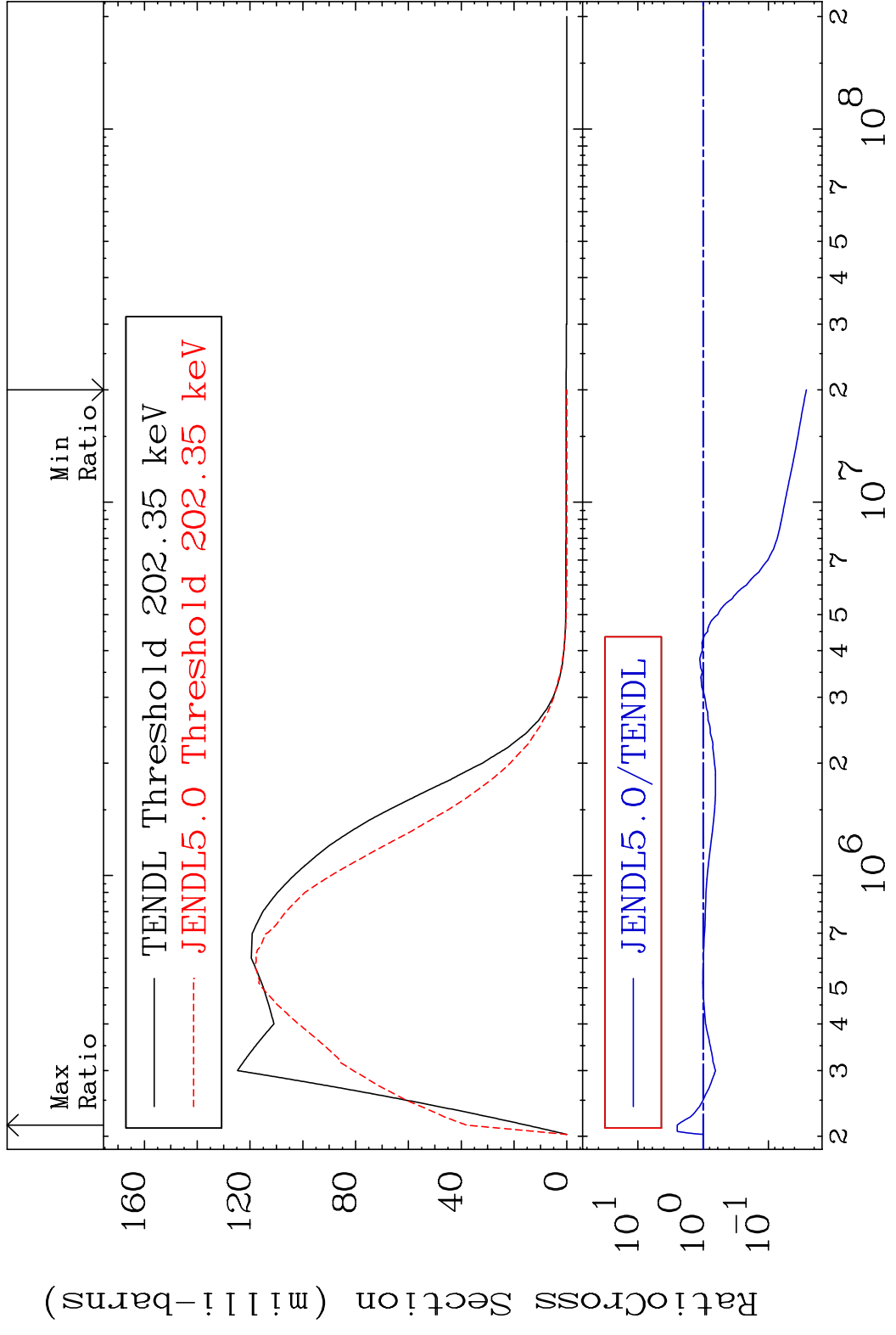
MAT 6640 MT= 56 (n,n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %



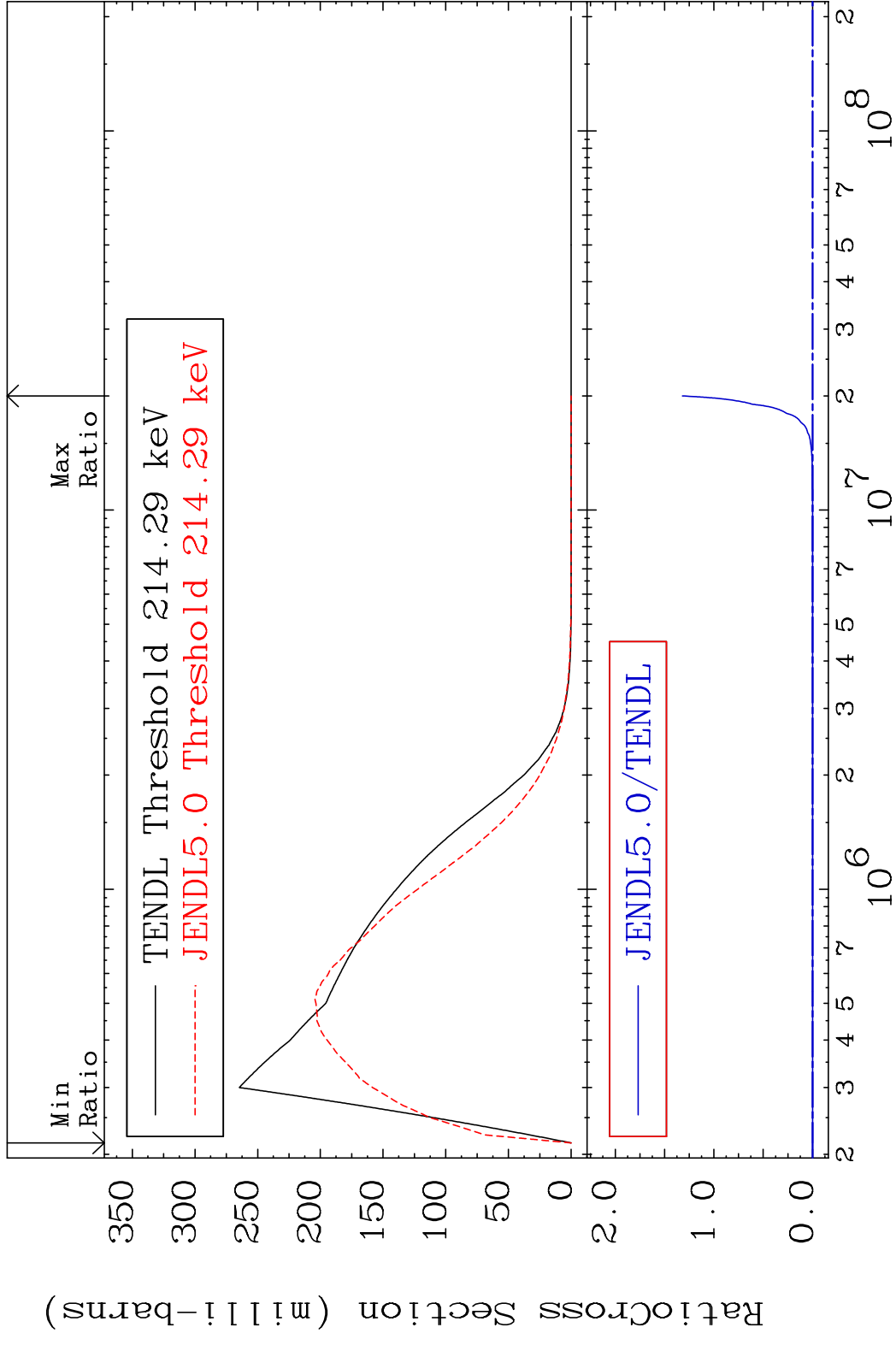
MAT 6640 MT= 57 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 5857. %



MAT 6640 MT= 58 (n,n') Level 66-Dy-161  
 Cross Section -97.36 To 149.3 %

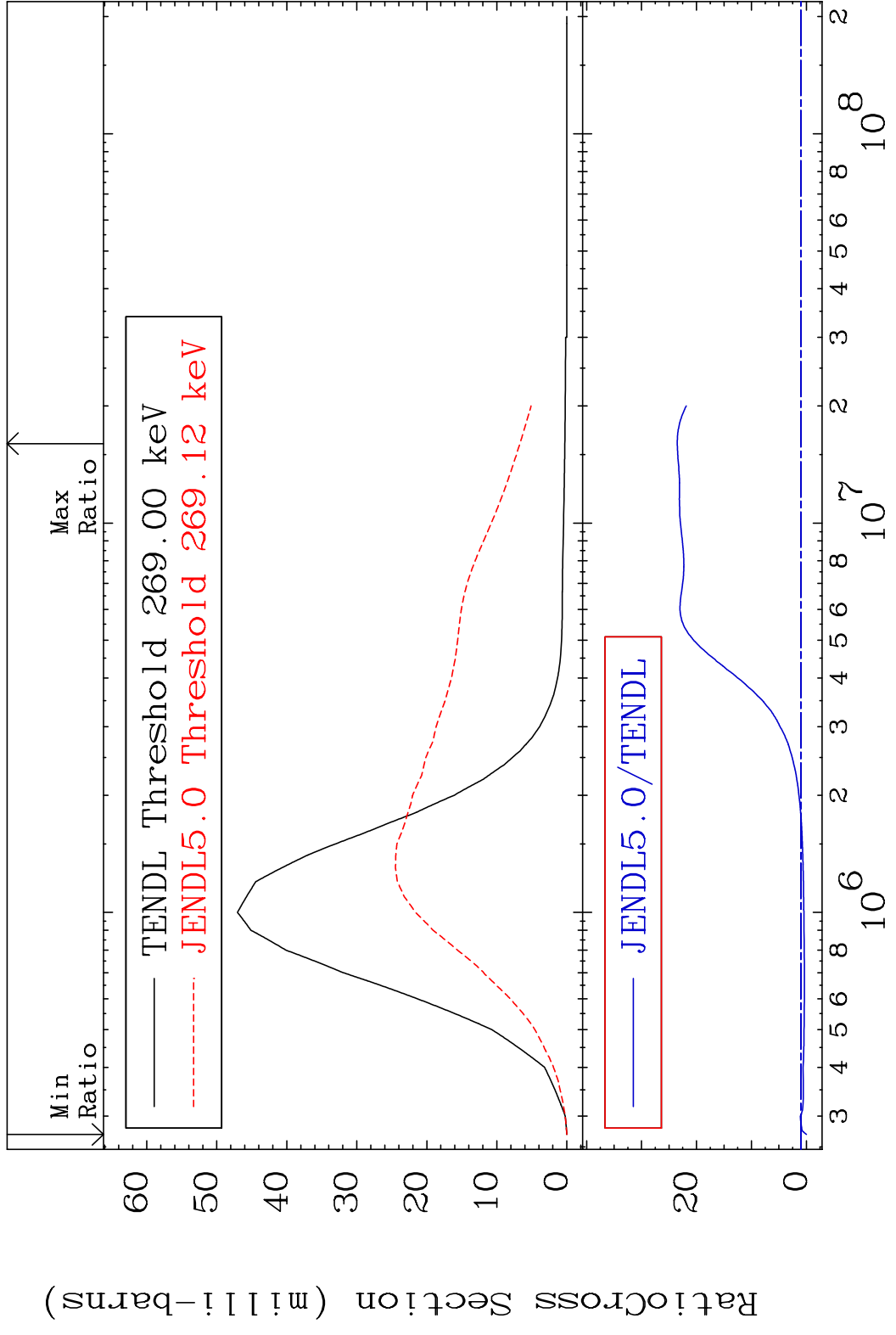


MAT 6640 MT= 59 (n,n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %

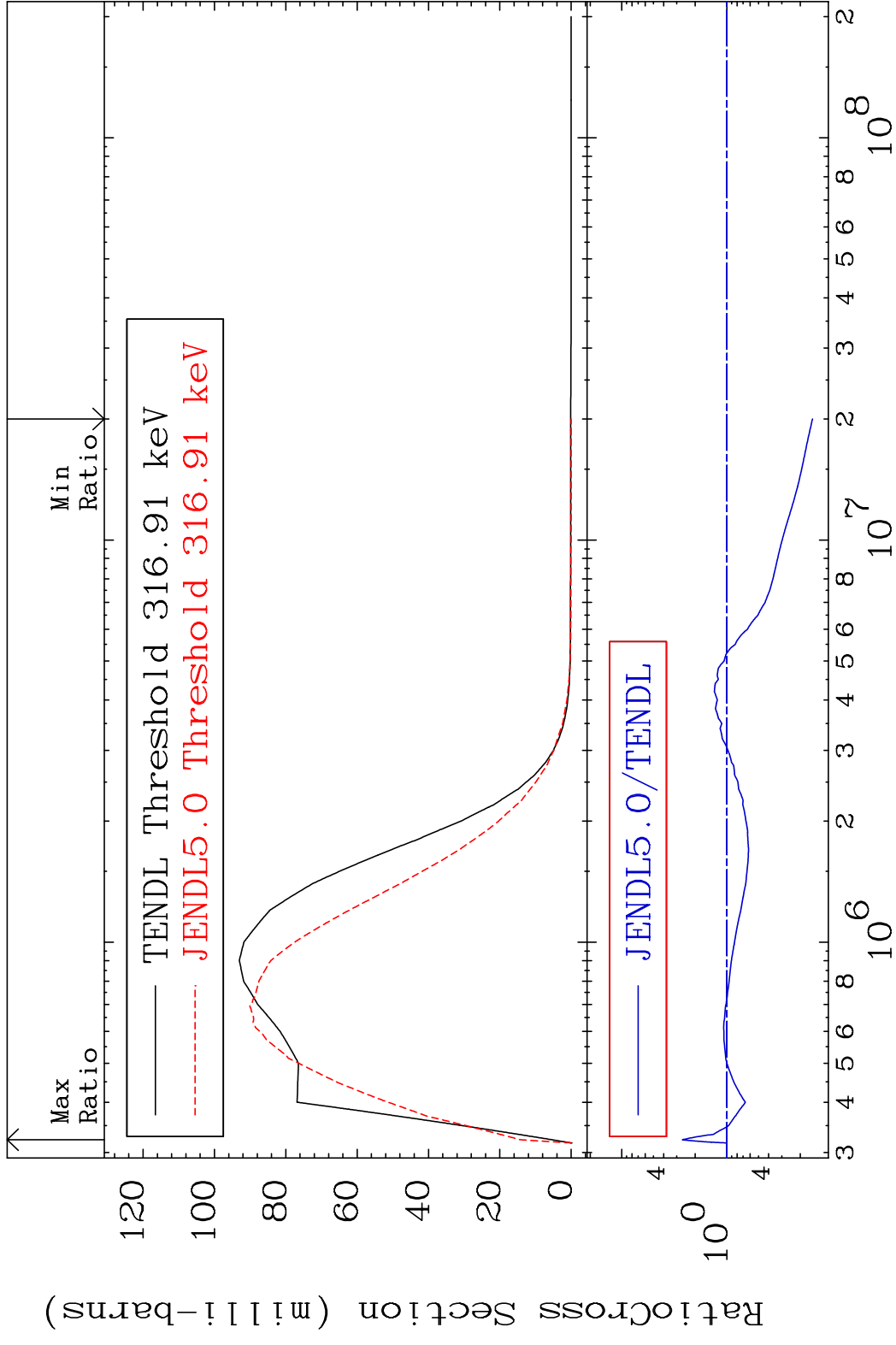


20 Incident Energy (eV) 66-Dy-161

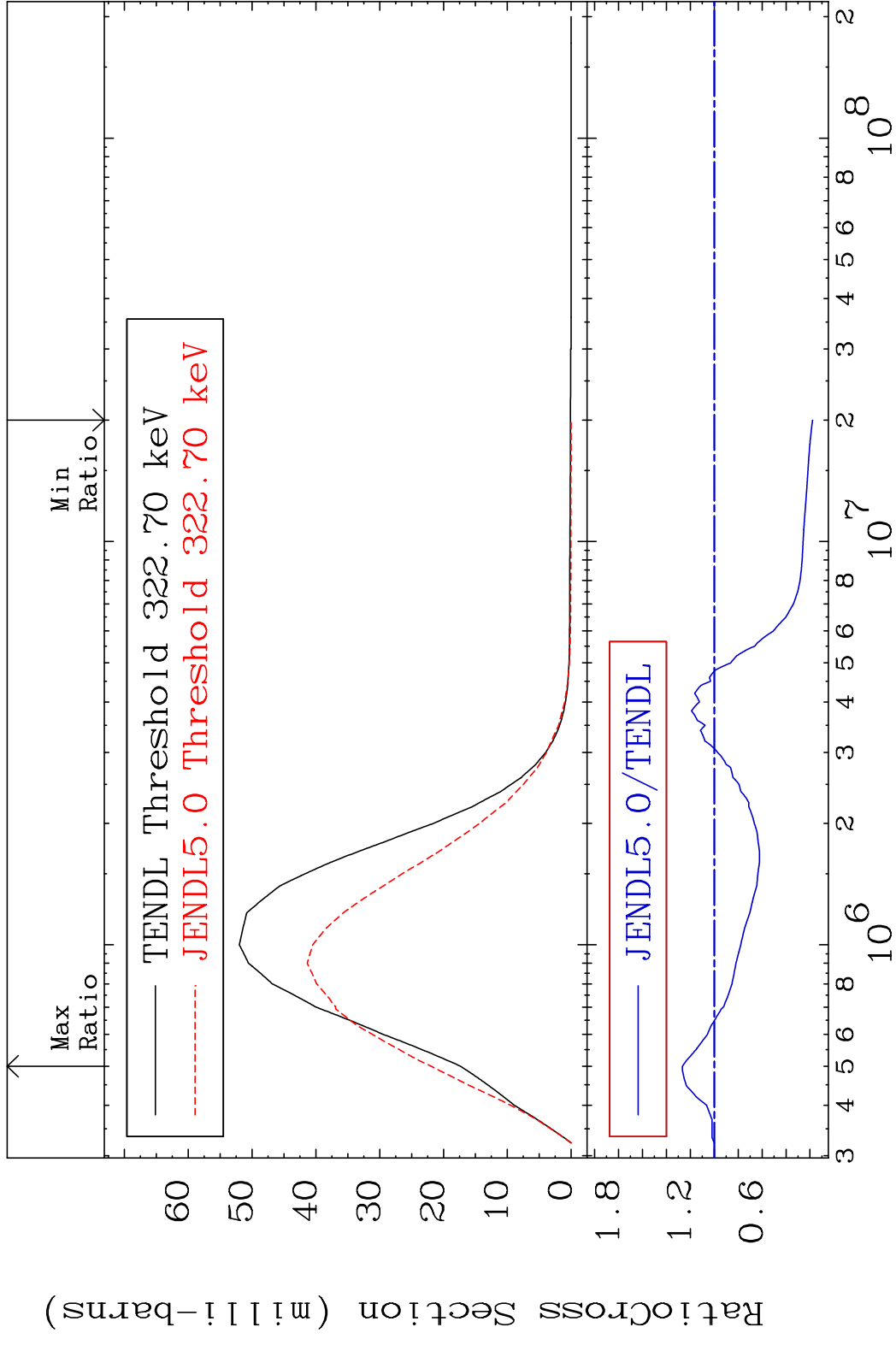
MAT 6640 MT= 60 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 2251. %



MAT 6640 MT= 61 (n, n') Level 66-Dy-161  
 Cross Section -84.72 To 165.3 %

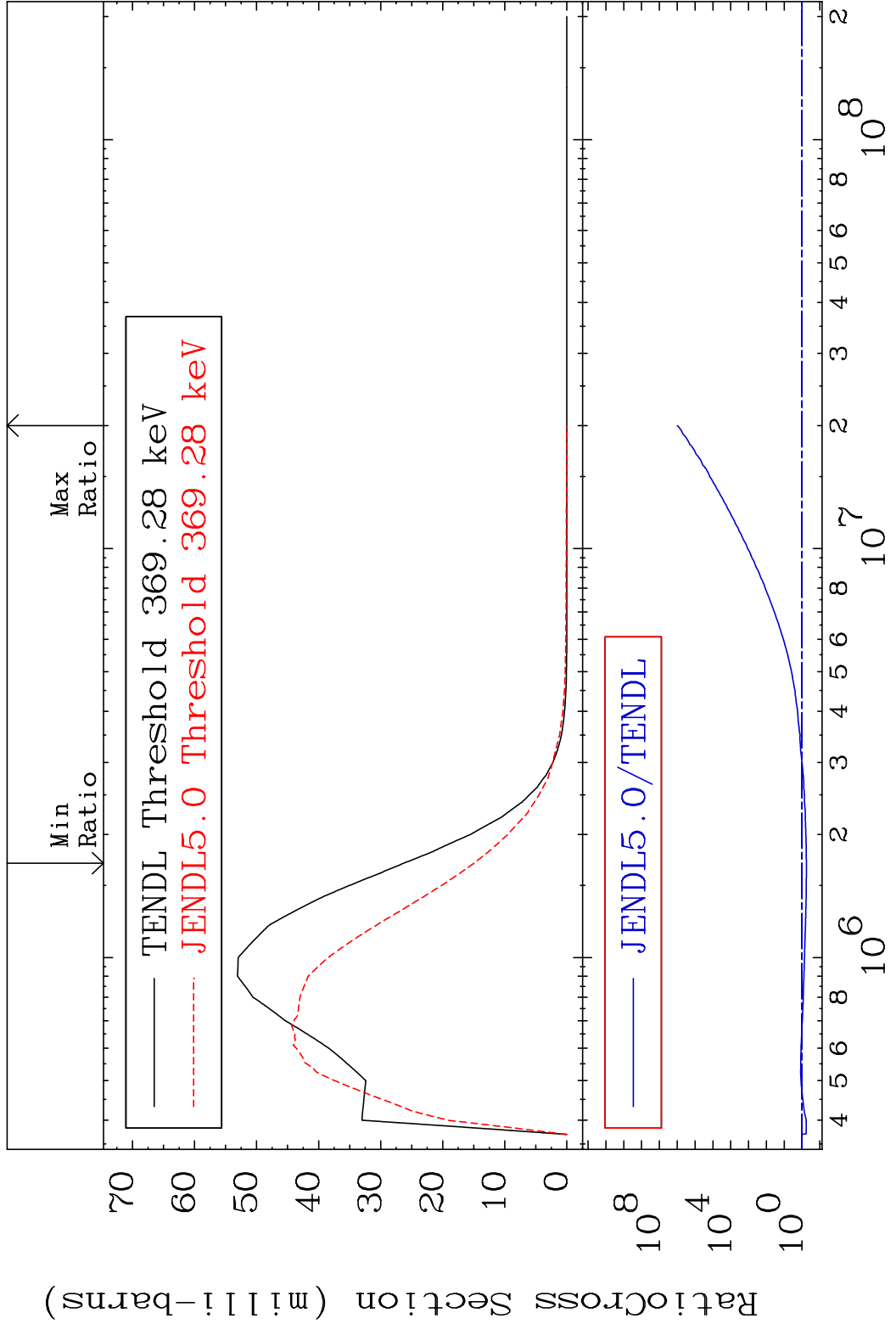


MAT 6640 MT= 62 (n, n') Level 66-Dy-161  
 Cross Section -82.15 To 26.64 %

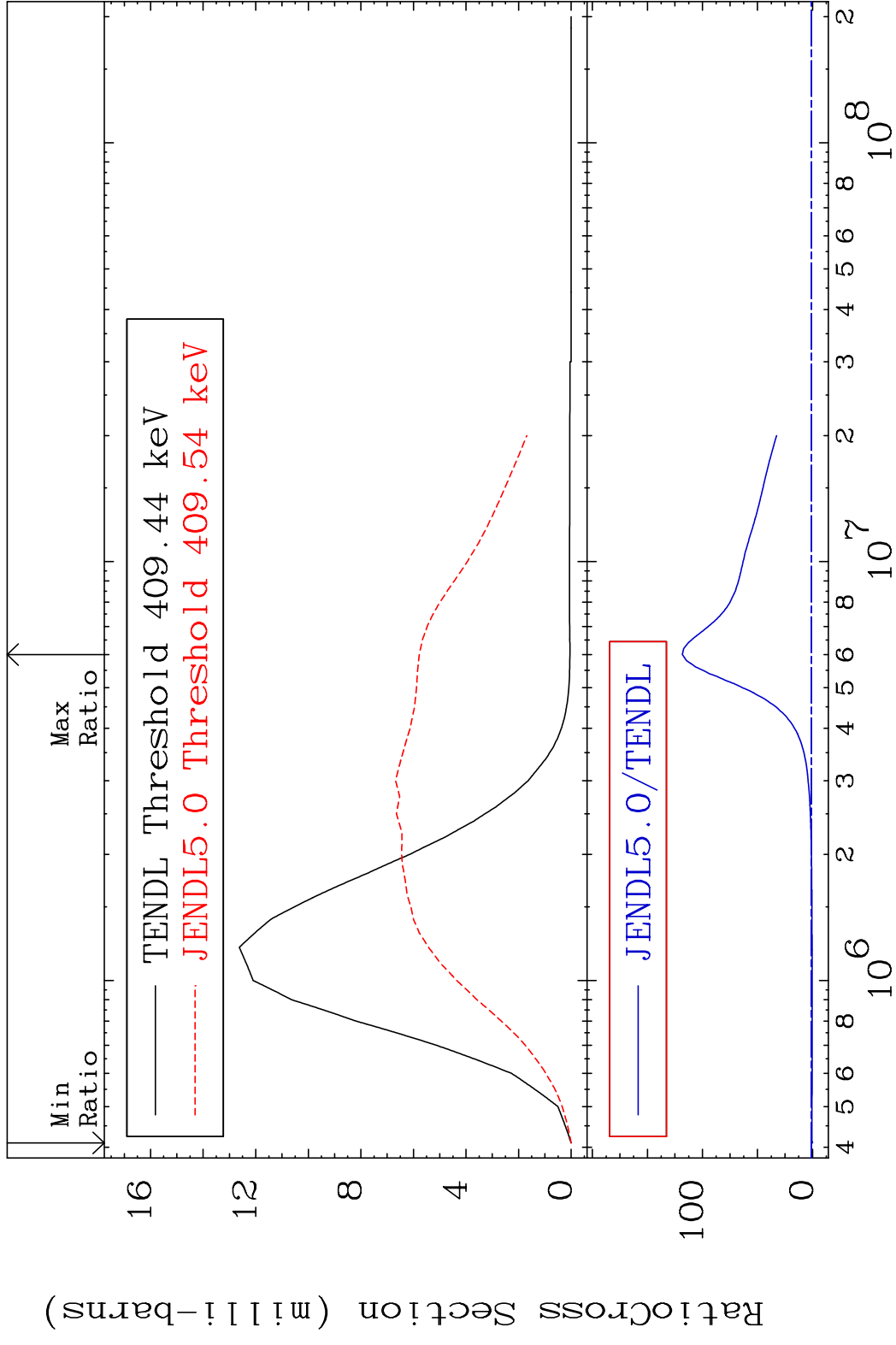




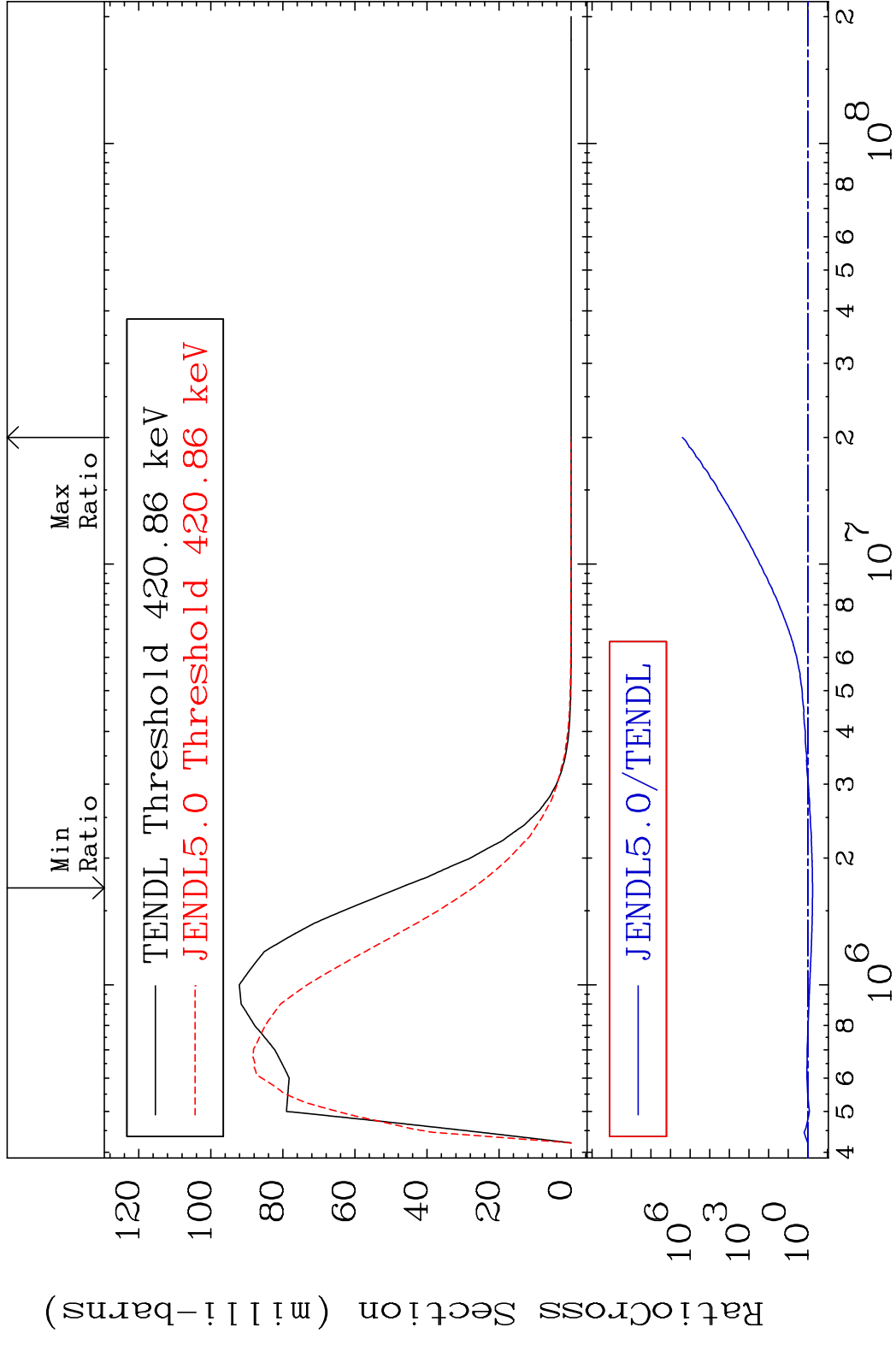
MAT 6640 MT= 63 (n, n') Level 66-Dy-161  
 Cross Section -43.11 To 9999. %



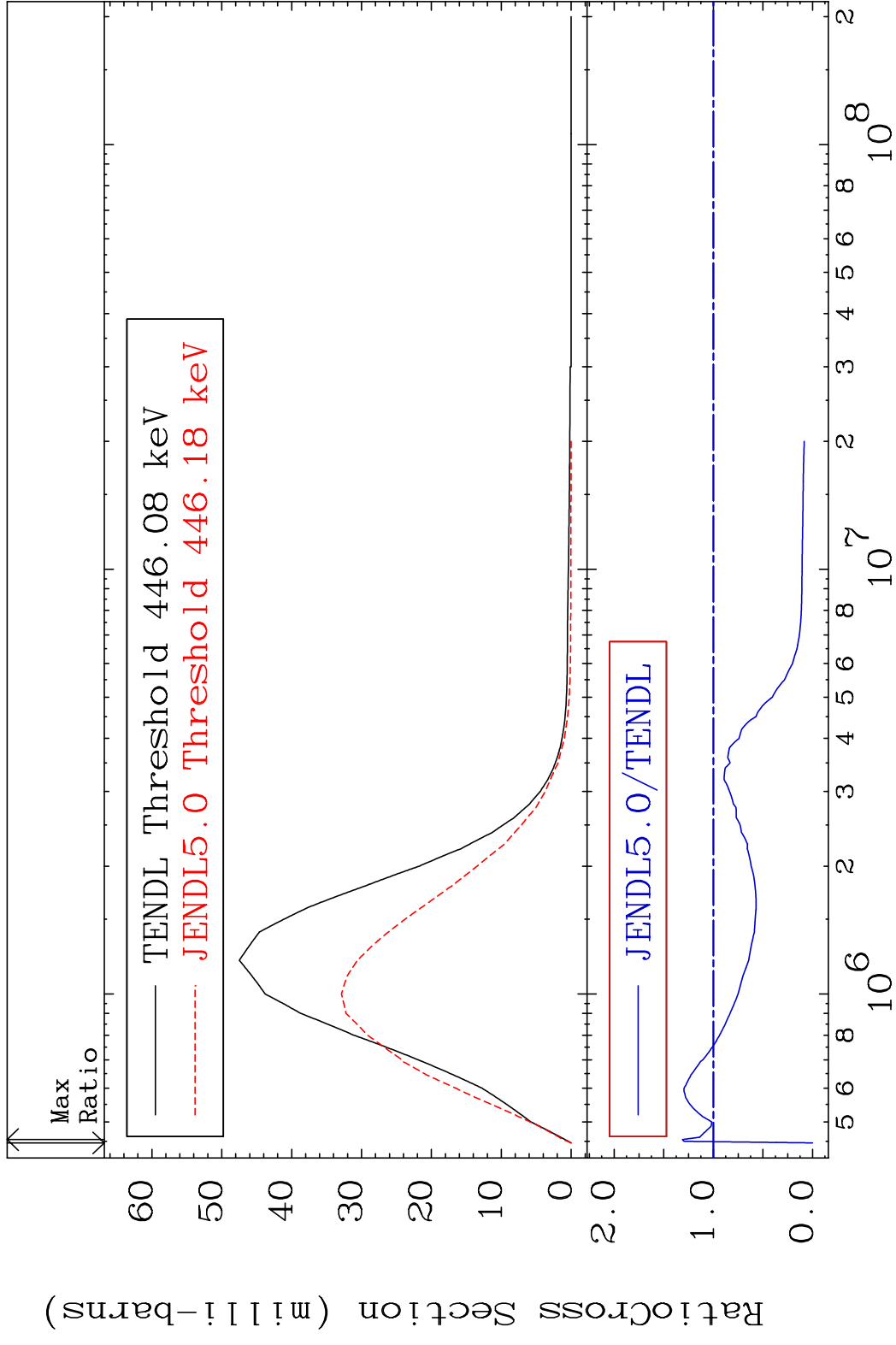
MAT 6640 MT= 64 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %



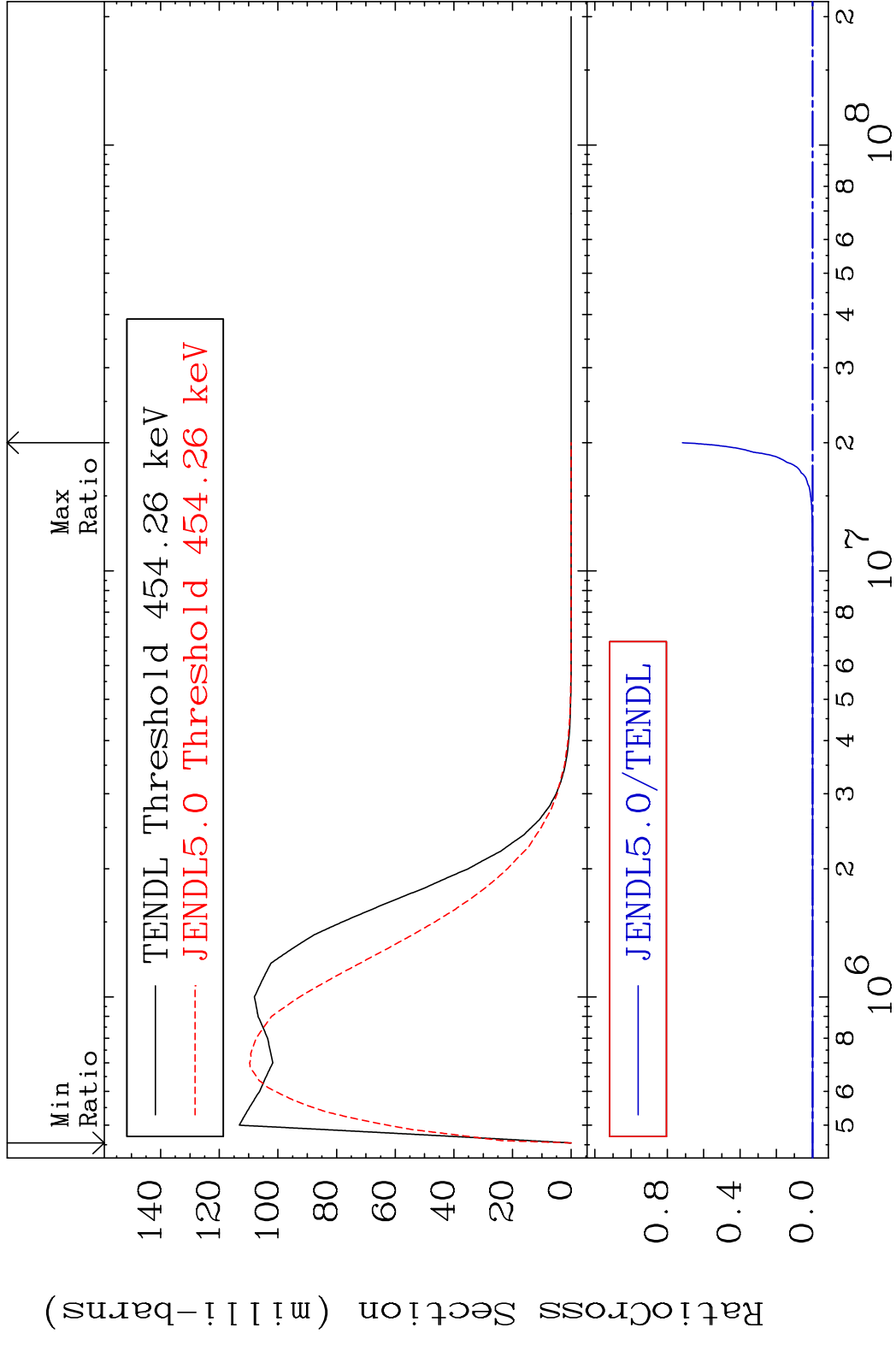
MAT 6640 MT= 65 (n, n') Level 66-Dy-161  
 Cross Section -42.81 To 9999. %



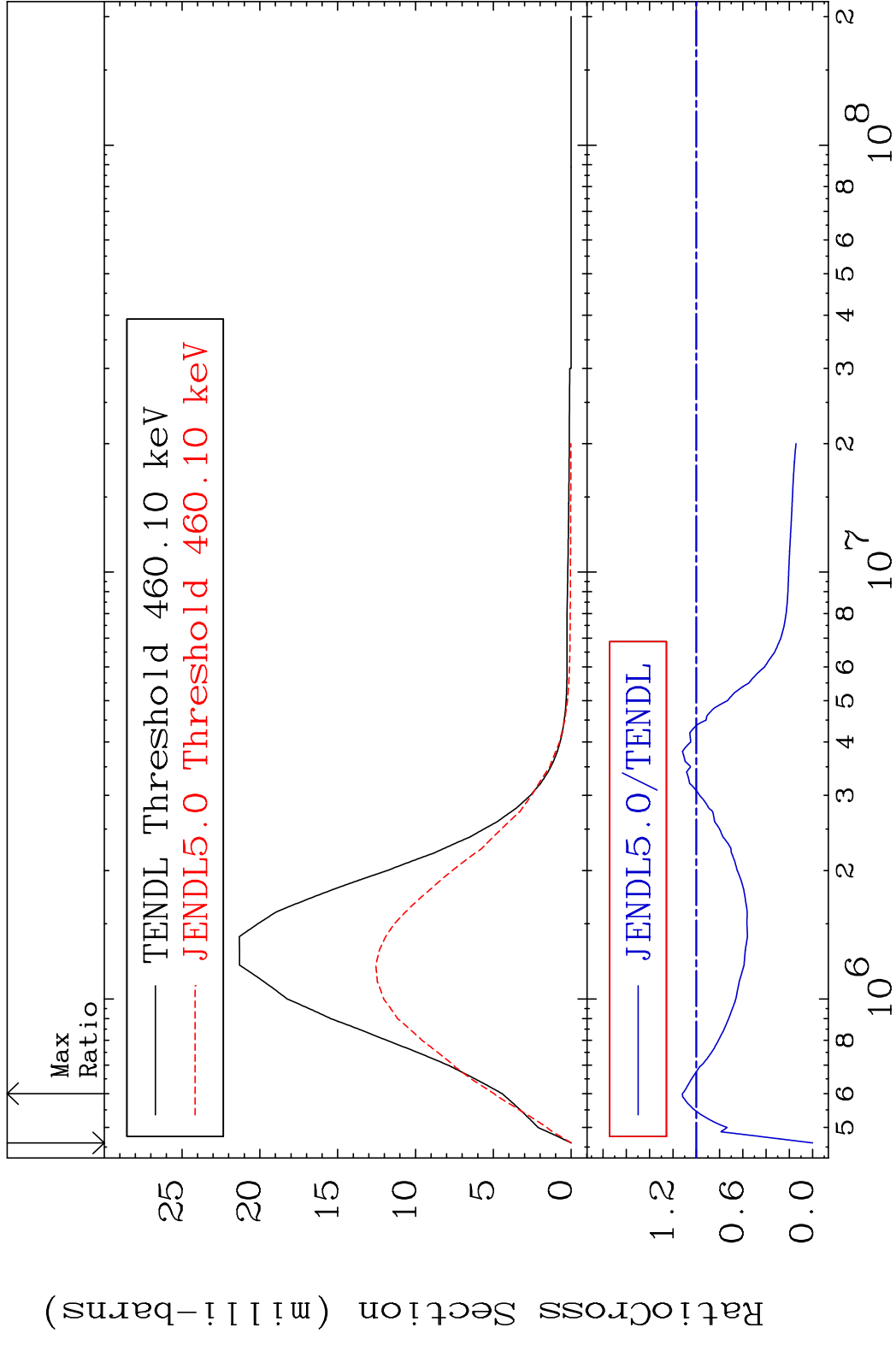
MAT 6640 MT= 66 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 31.26 %



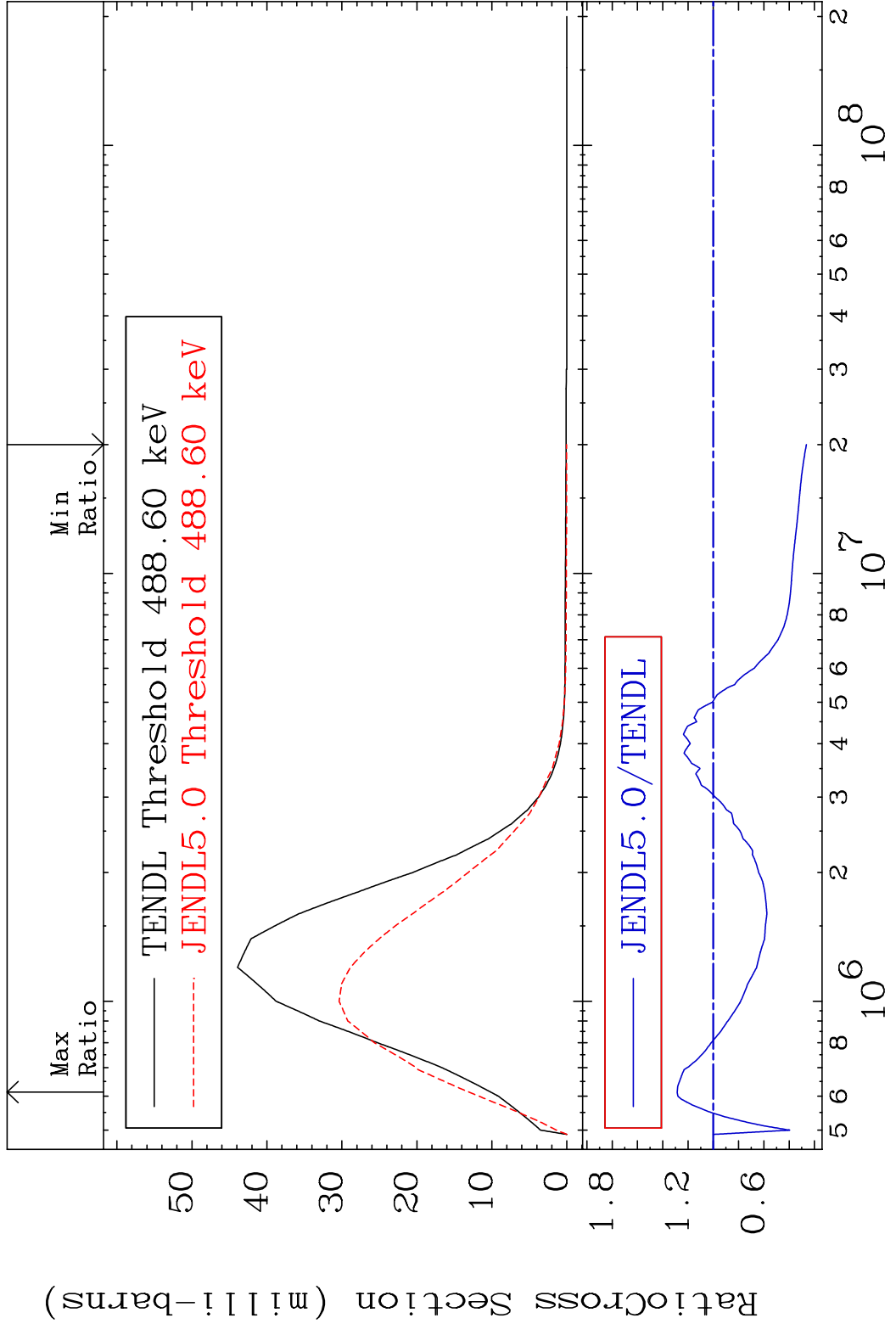
MAT 6640 MT= 67 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %



MAT 6640 MT= 68 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 11.90 %



MAT 6640 MT= 69 (n, n') Level 66-Dy-161  
 Cross Section -73.64 To 28.57 %



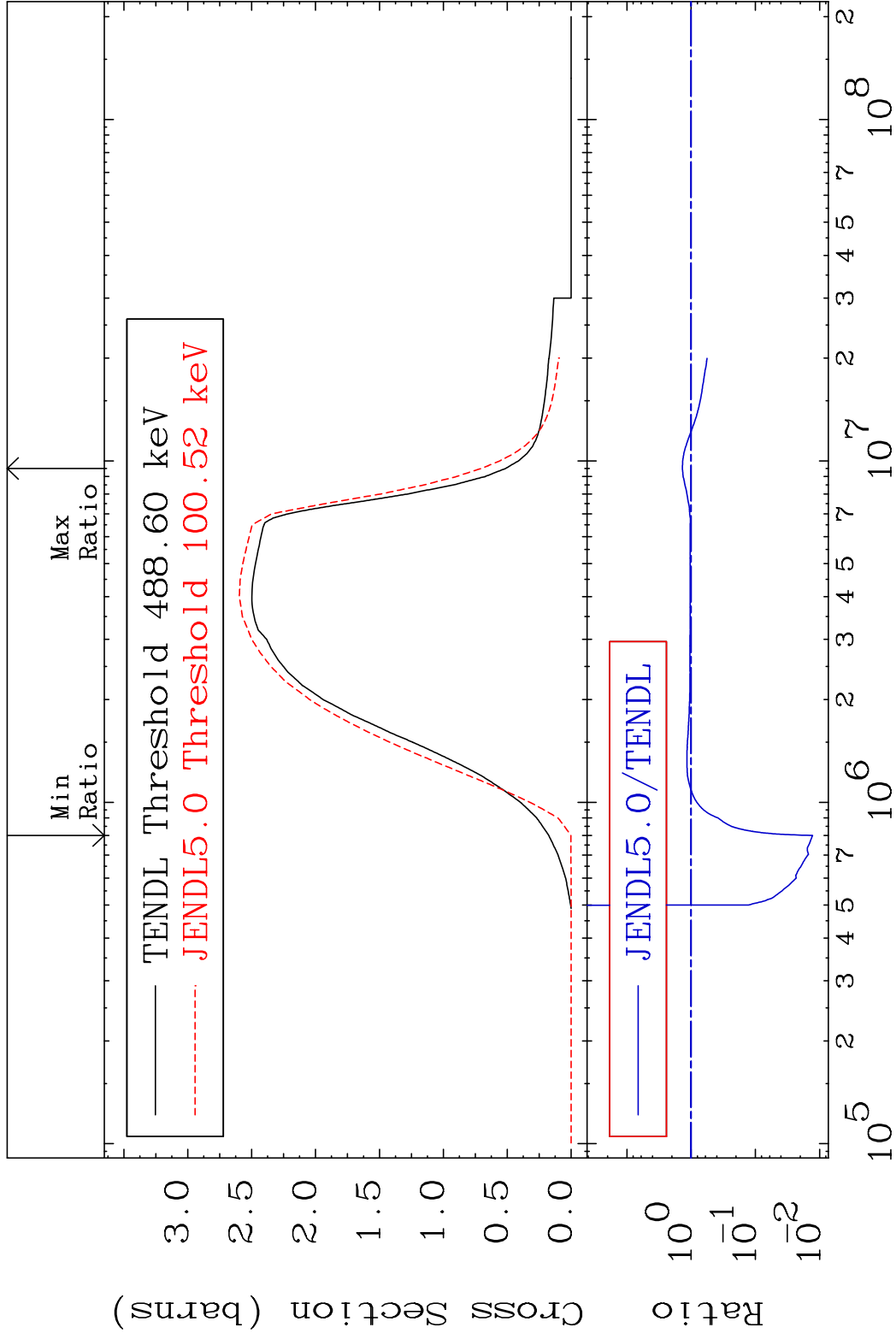
30 Incident Energy (eV) 66-Dy-161

MAT 6640

(n, n') Continuum

66-Dy-161

Cross Section -98.71 To 37.06 %



31

Incident Energy (eV)

66-Dy-161

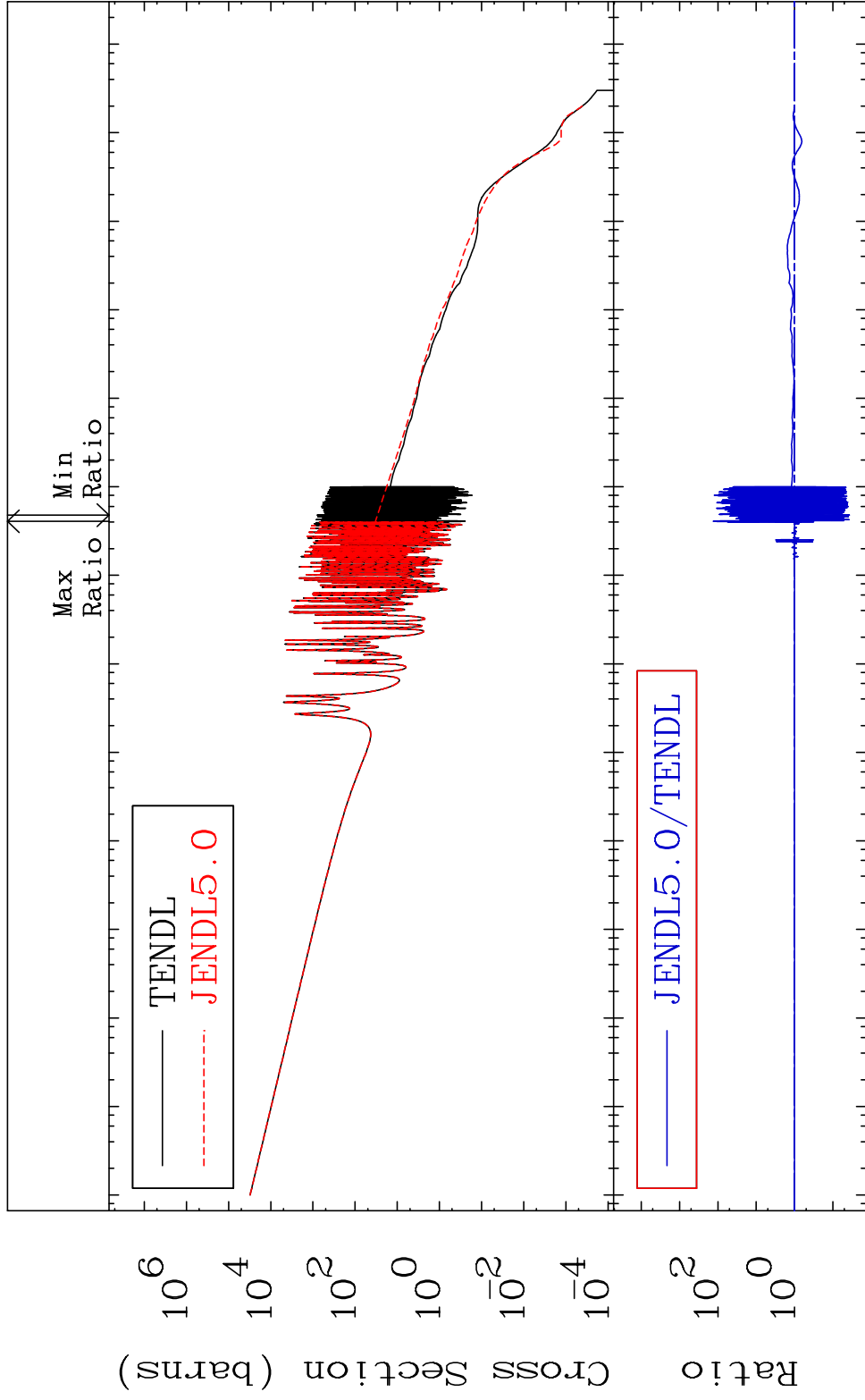


MAT 6640

(n,  $\gamma$ )

66-Dy-161

Cross Section -96.26 To 9999. %



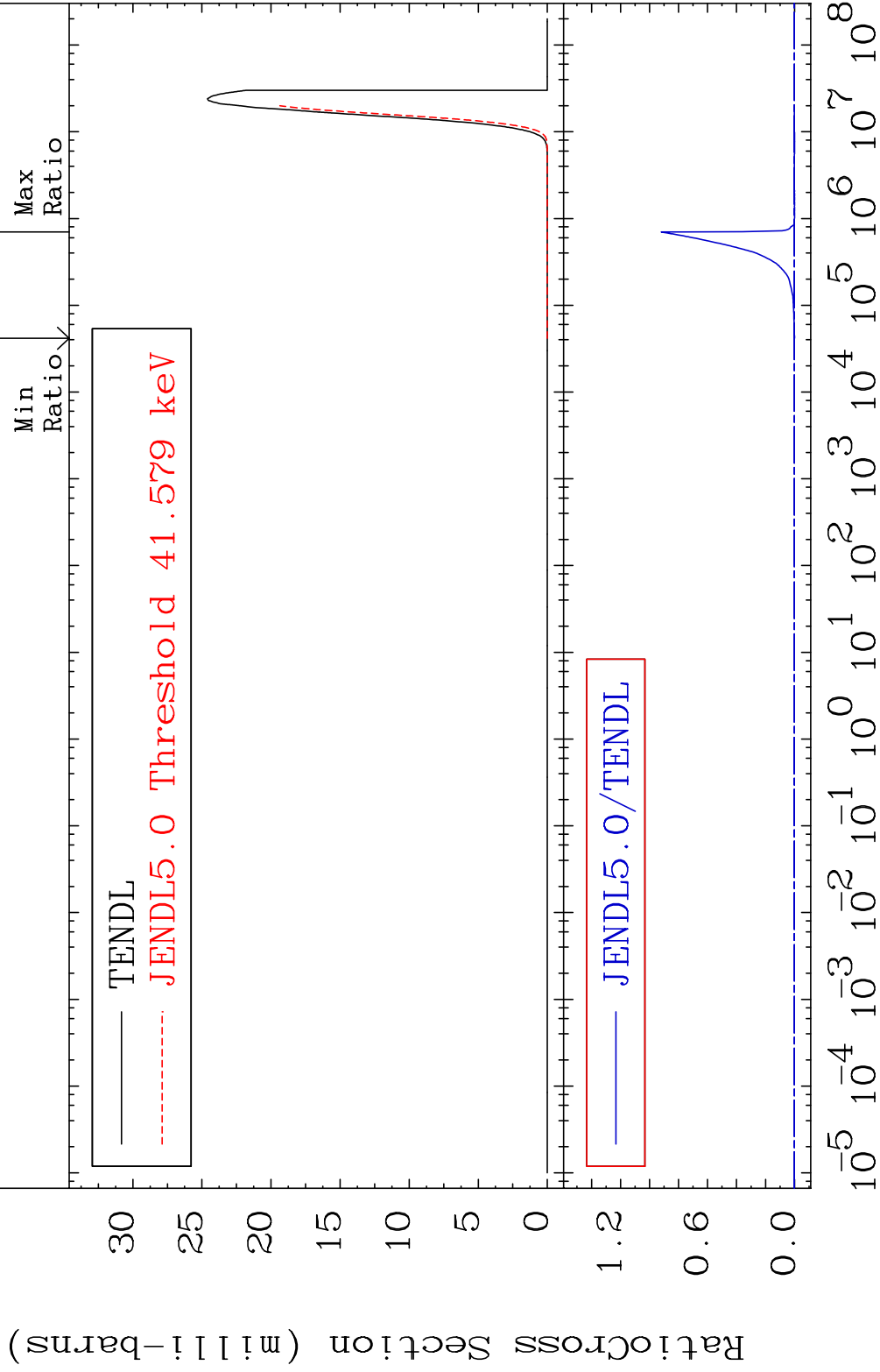
Incident Energy (eV) 66-Dy-161

MAT 6640

(n, p)

66-Dy-161

Cross Section -100.0 To 9999. %

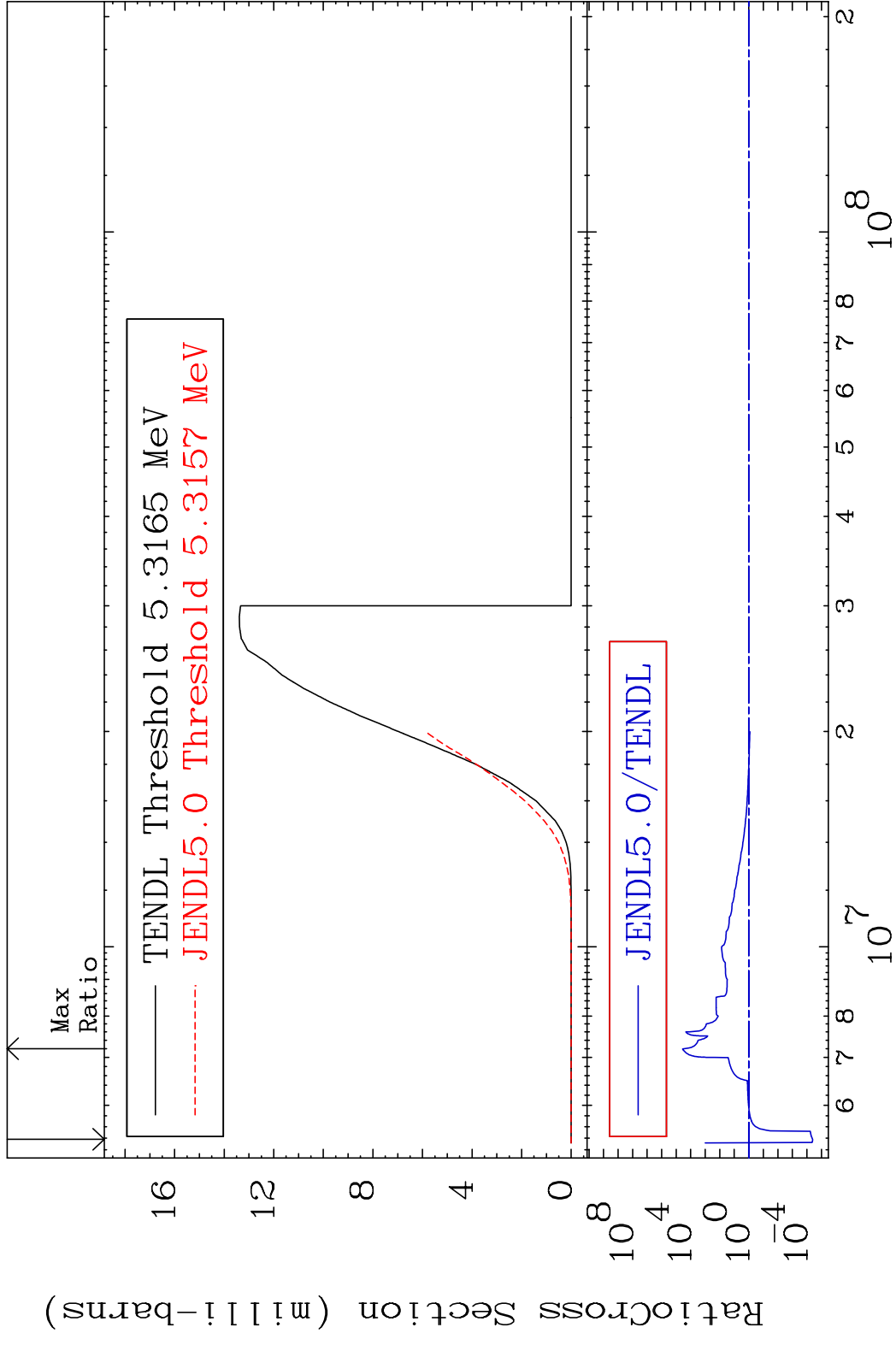


33

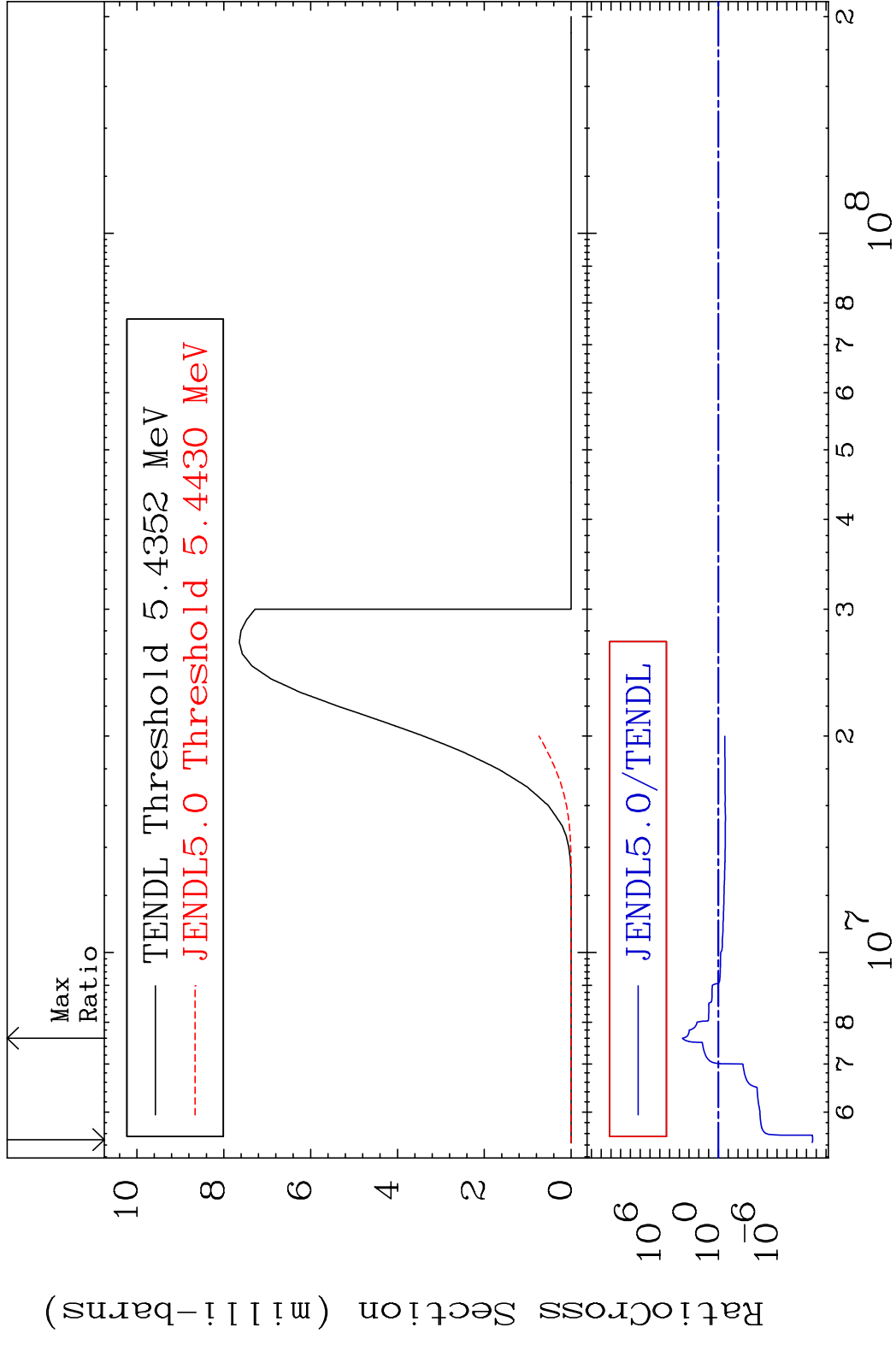
Incident Energy (eV)

66-Dy-161

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



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

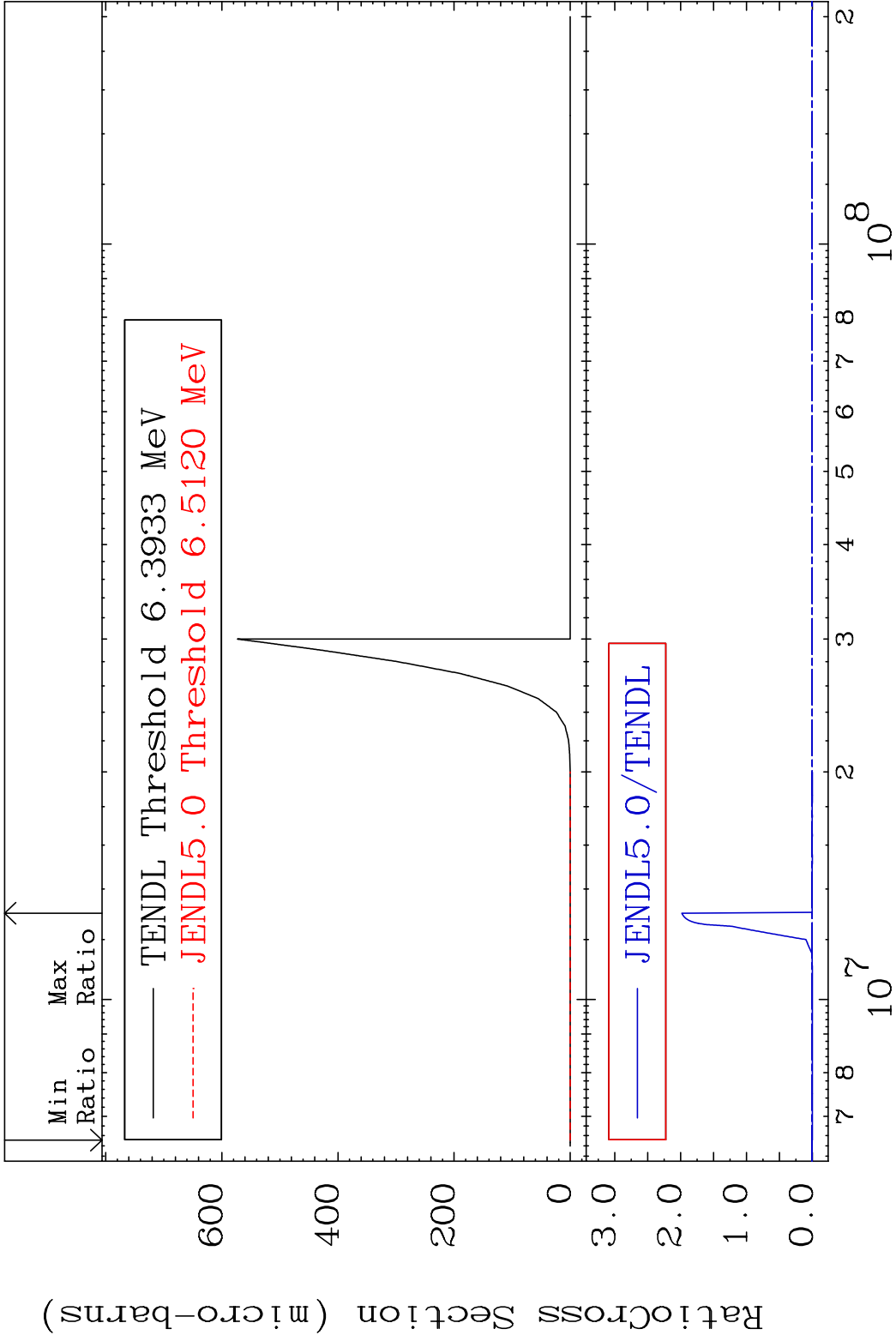


MAT 6640

(n, He-3)

66-Dy-161

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

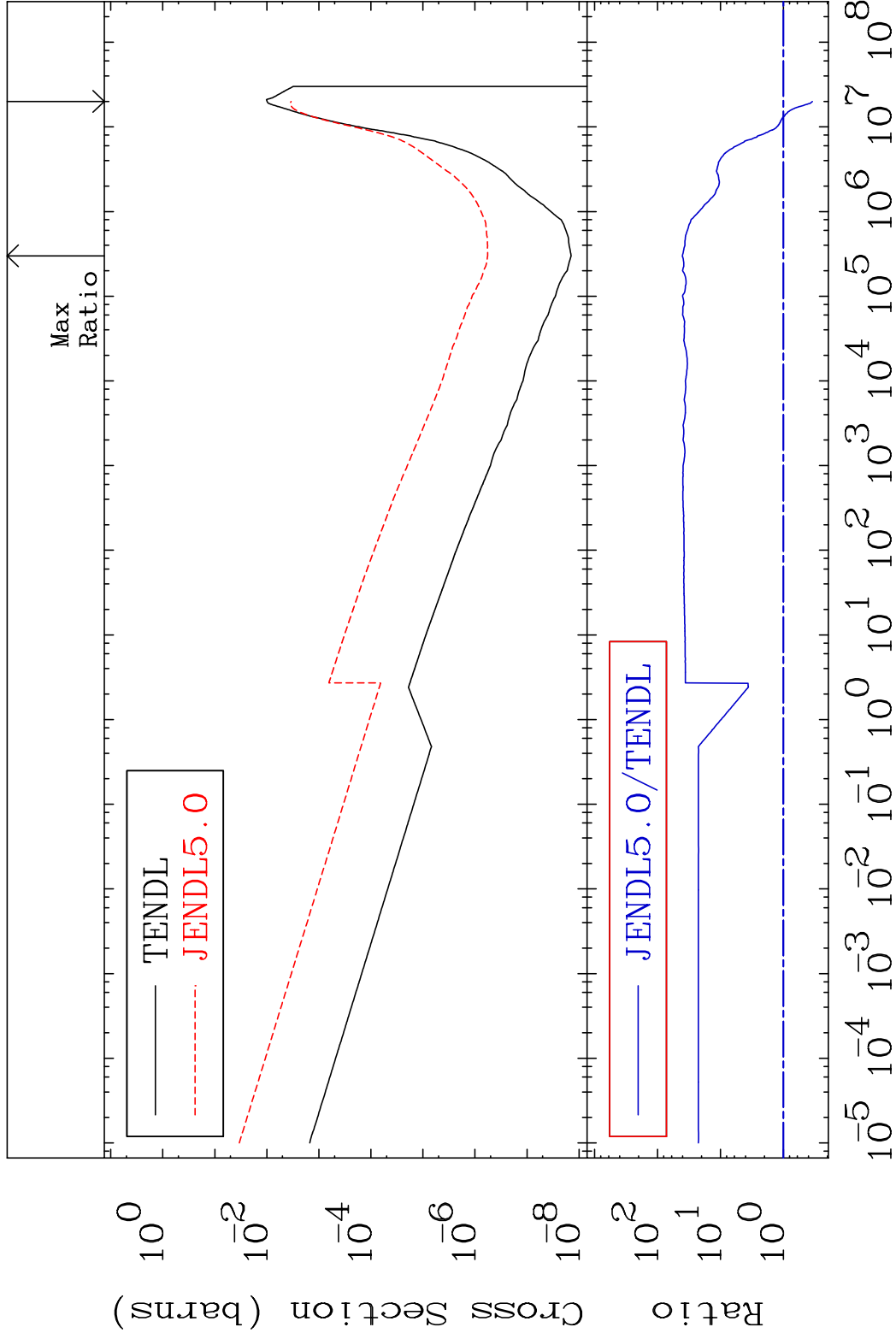
66-Dy-161

MAT 6640

(n,  $\alpha$ )

66-Dy-161

Cross Section -65.56 To 3942. %



37

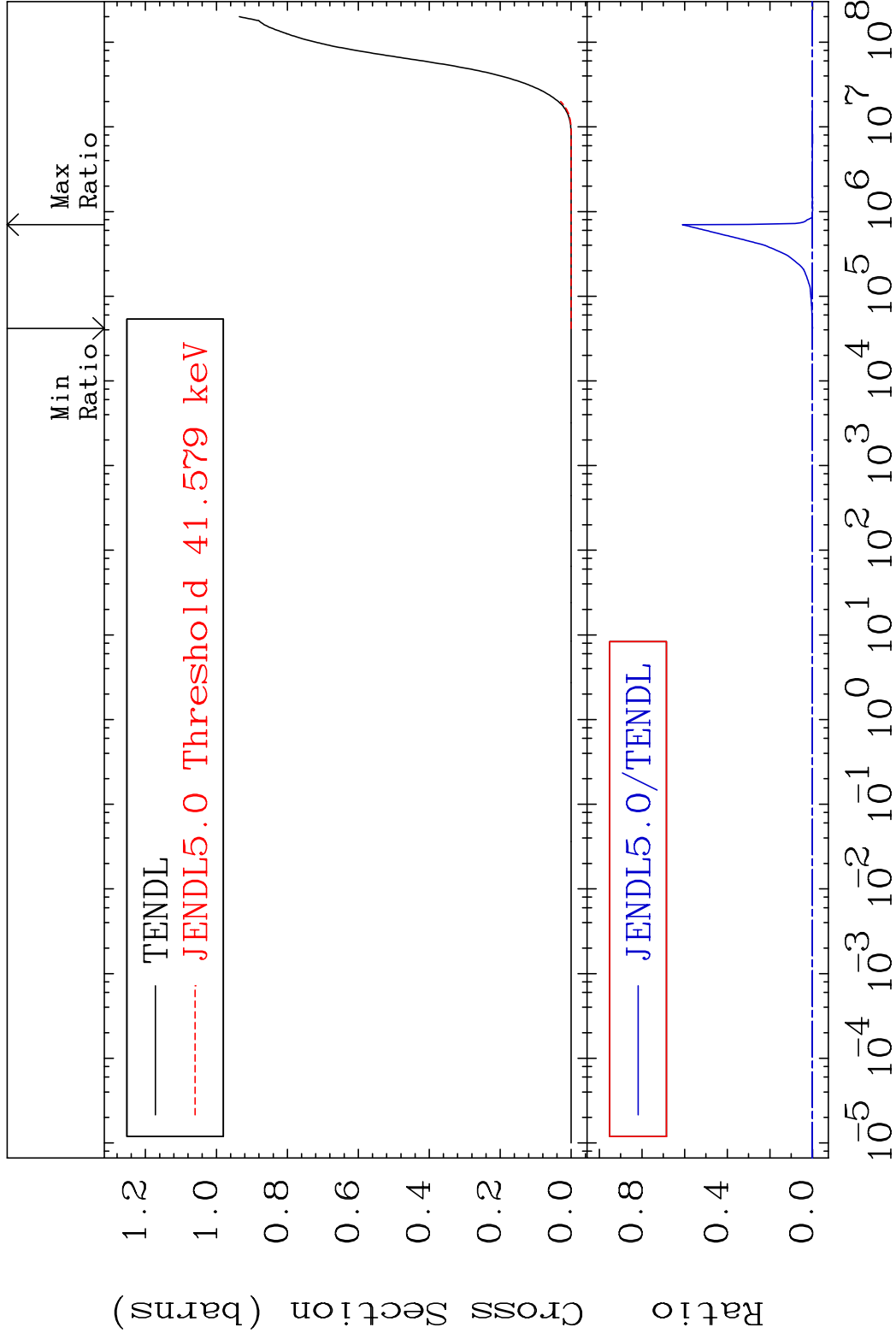
Incident Energy (eV)

66-Dy-161

MAT 6640

Hydrogen Production 66-Dy-161

Cross Section -100.0 To 9999. %

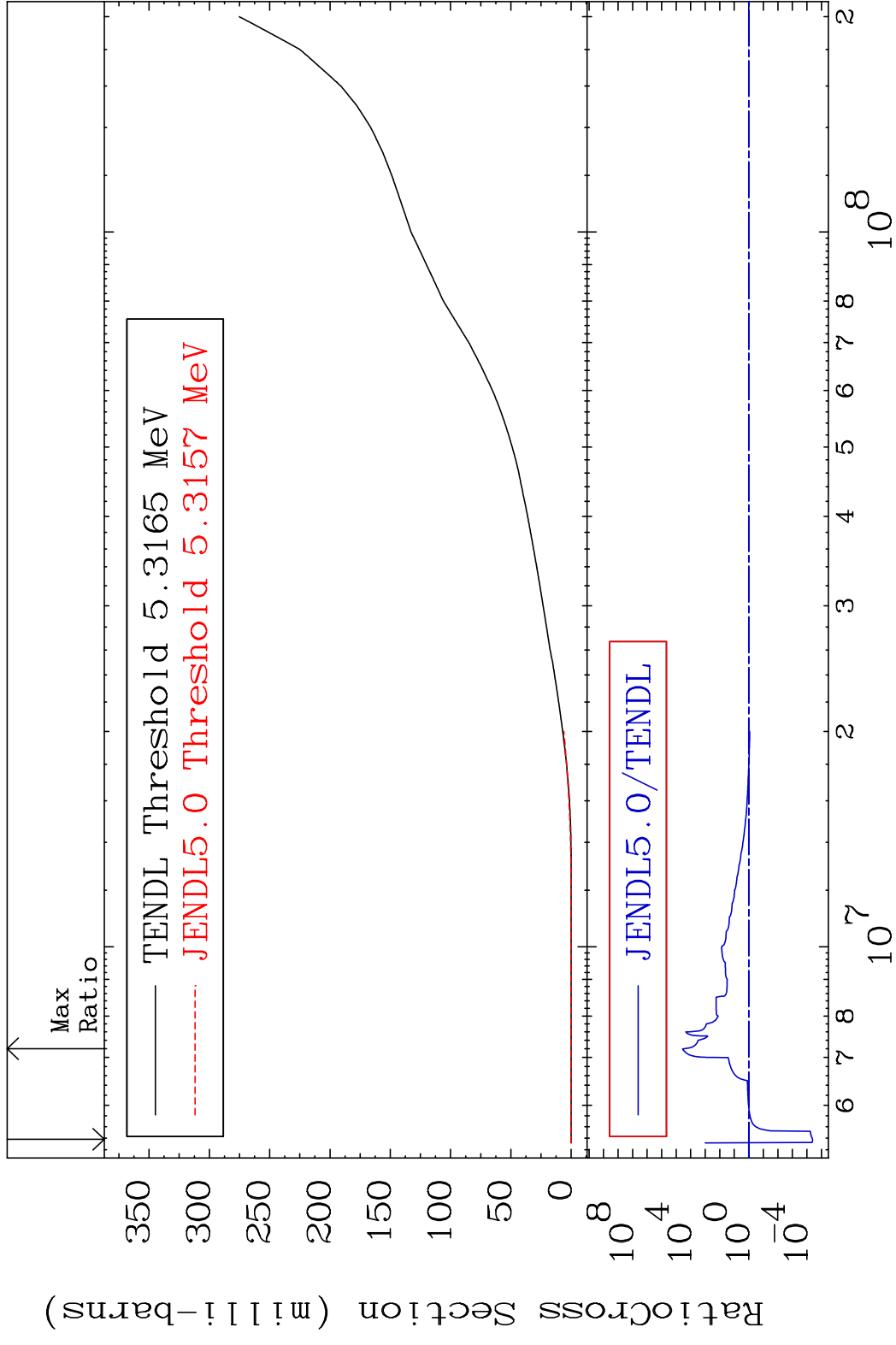


38

Incident Energy (eV)

66-Dy-161

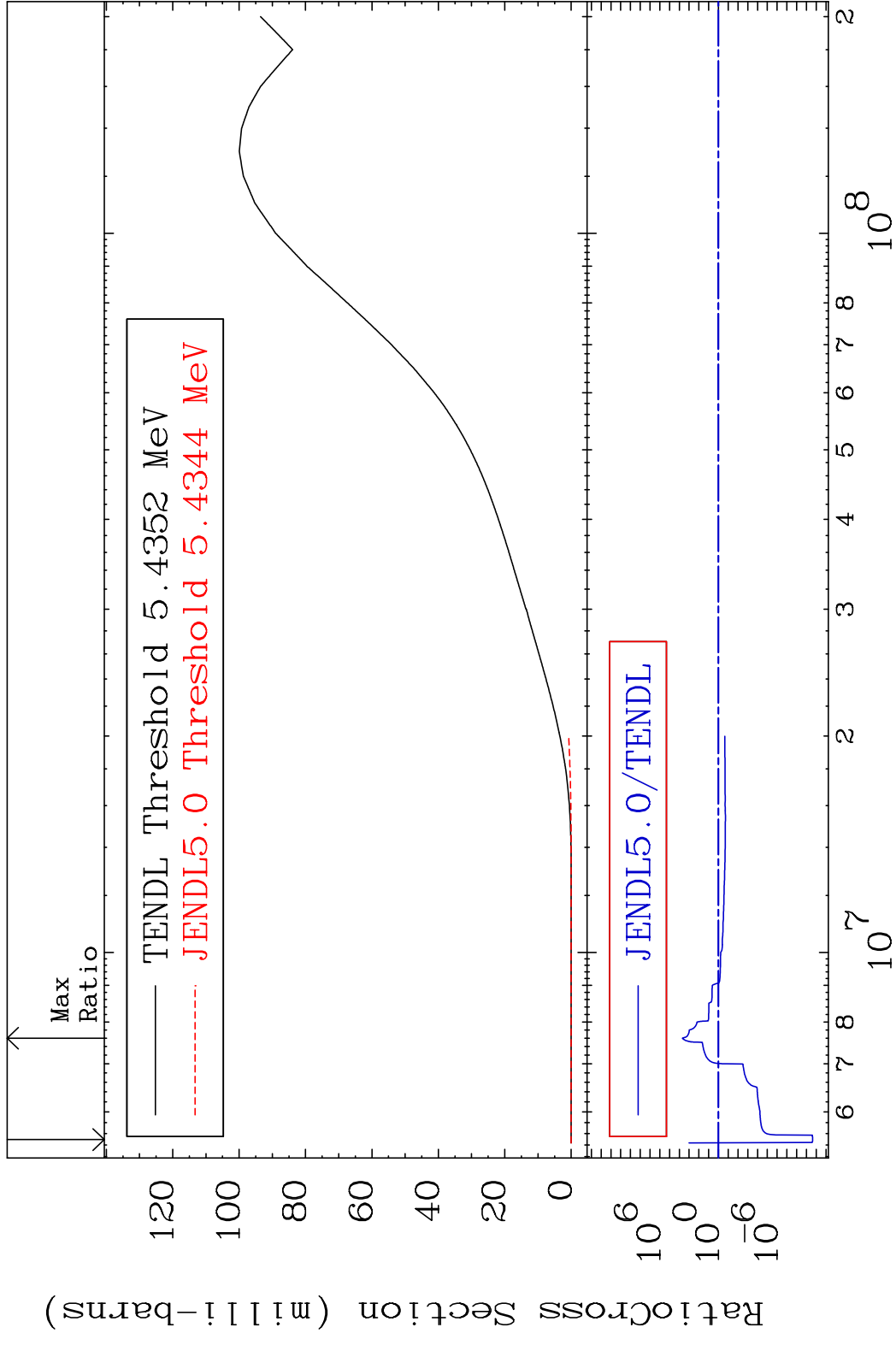
MAT 6640 Deuterium Production 66-Dy-161  
 Cross Section -100.0 To 9999. %





MAT 6640

Tritium Production 66-Dy-161  
Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

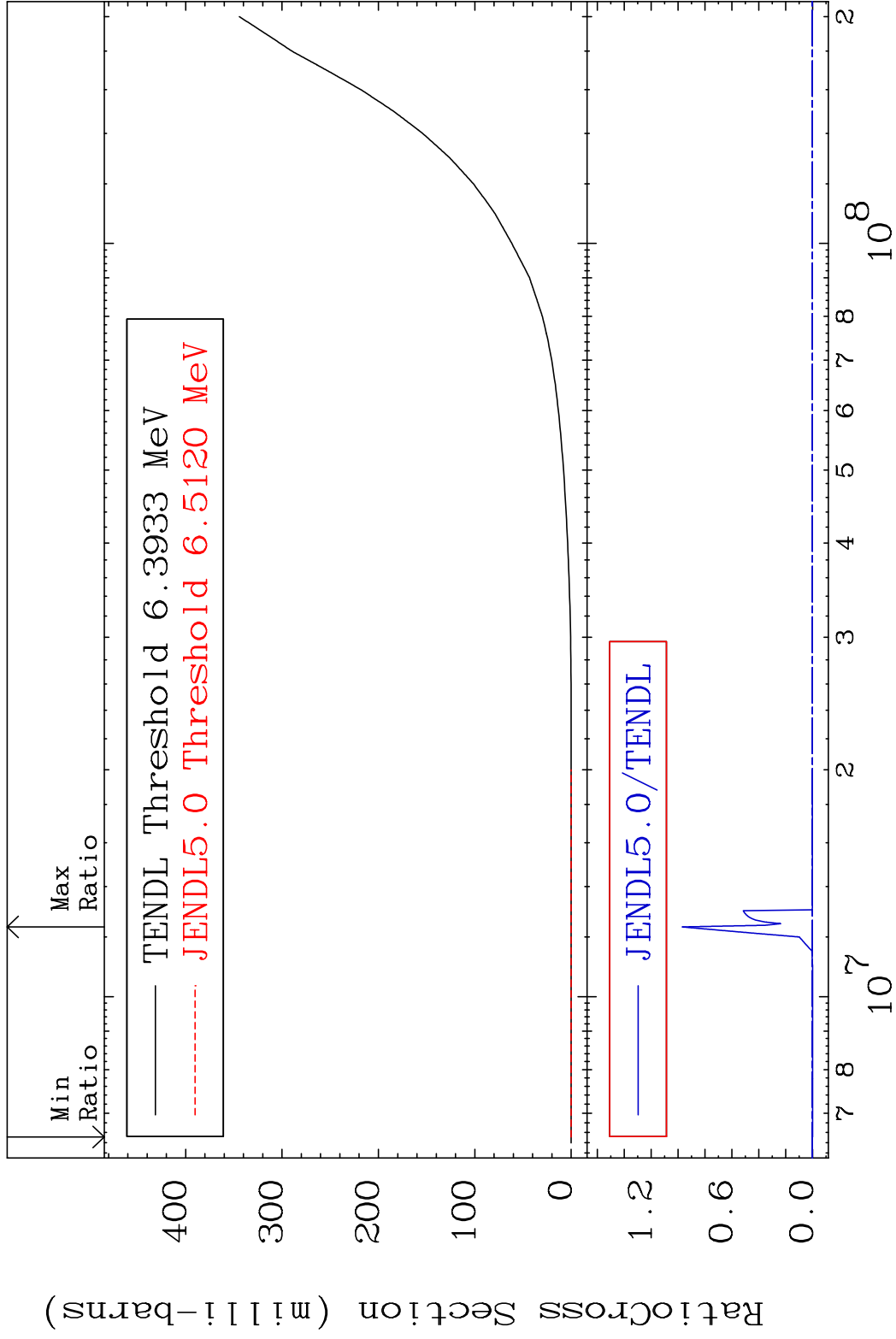
66-Dy-161

MAT 6640

He-3 Production

66-Dy-161

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

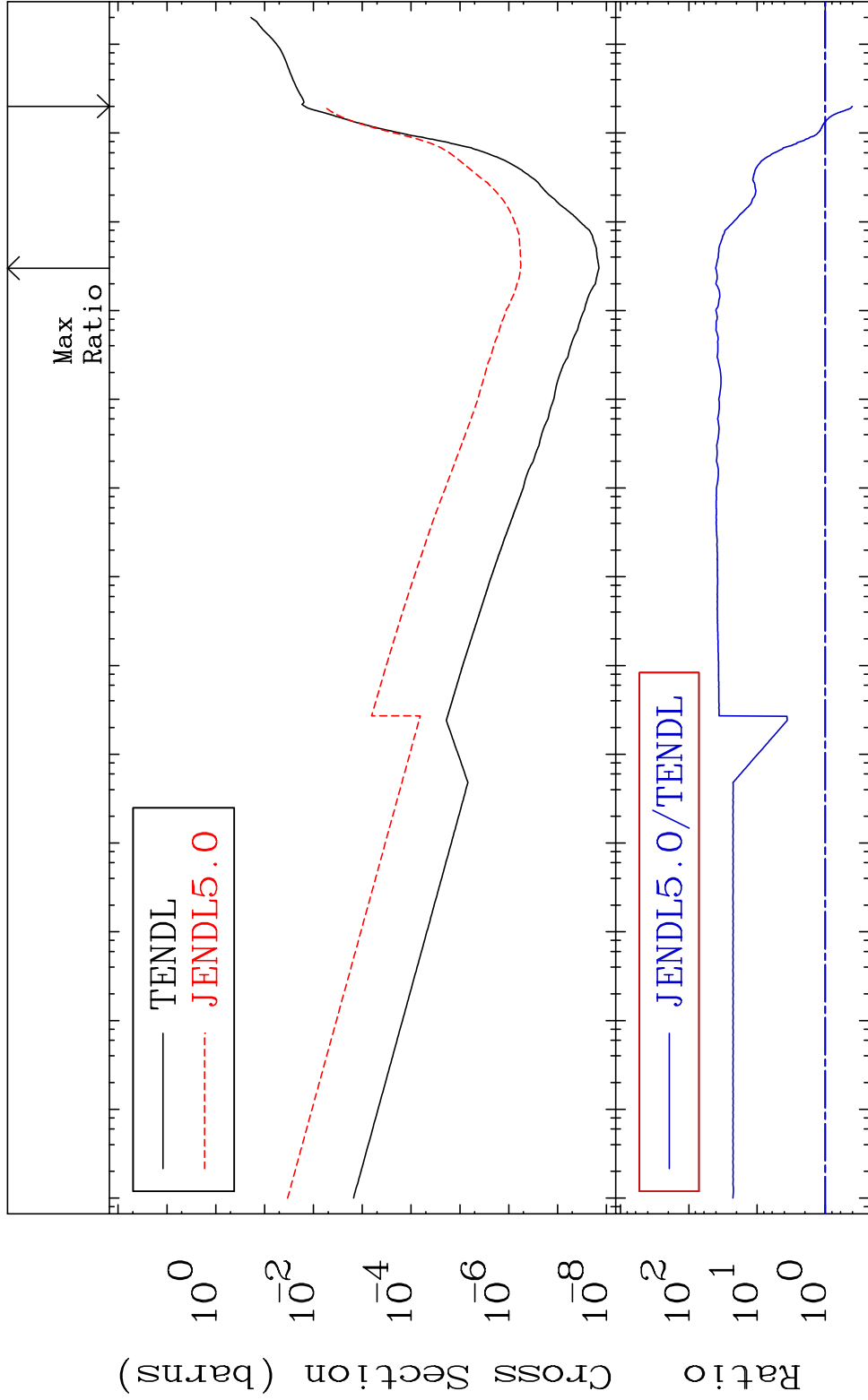
66-Dy-161

MAT 6640

He-4 Production

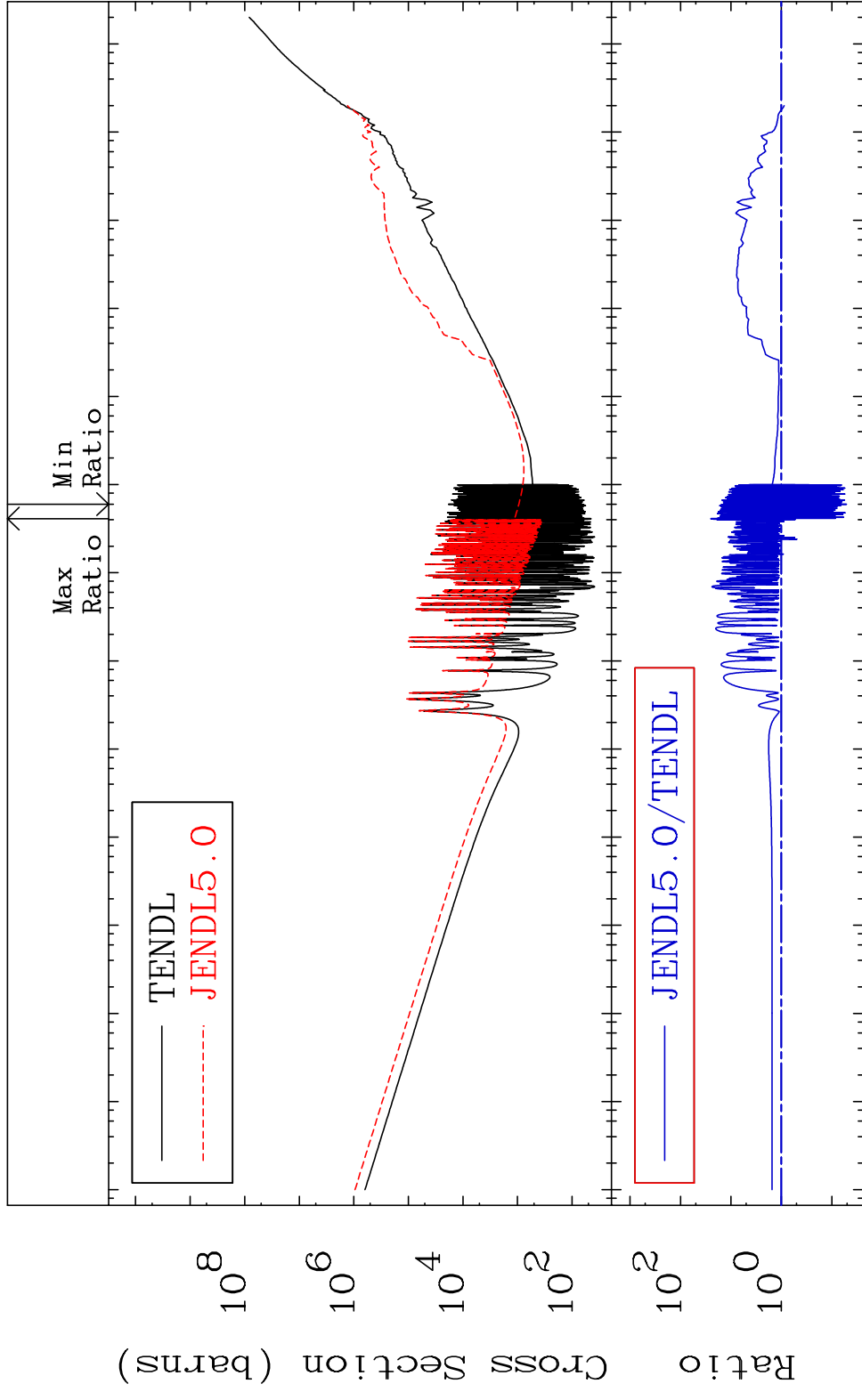
66-Dy-161

Cross Section -59.58 To 3942. %



MAT 6640

Kerma total (eV-barns) 66-Dy-161  
Cross Section -94.85 To 2418. %



43

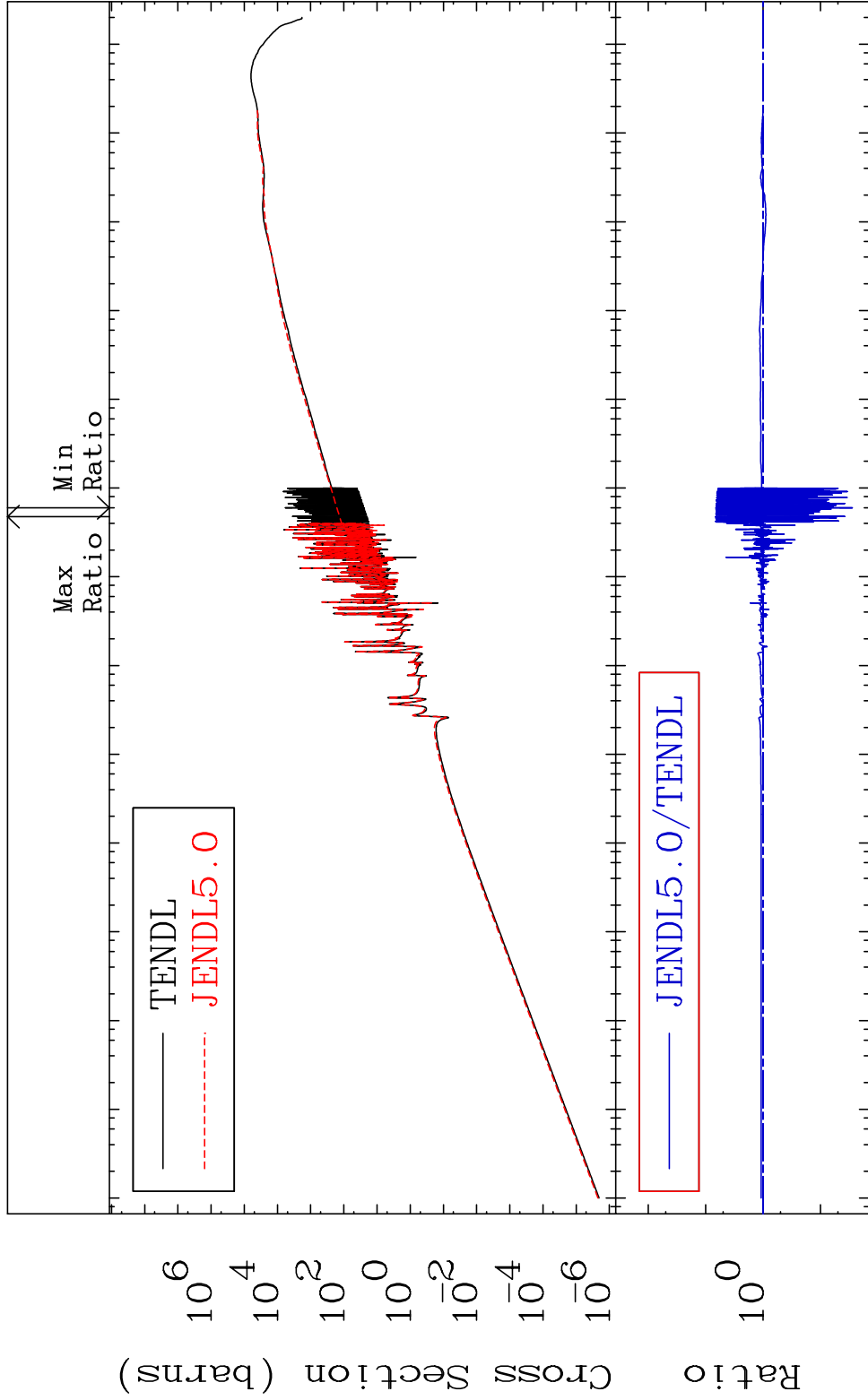
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma elastic  
Cross Section -97.19 To 571.7 %

66-Dy-161



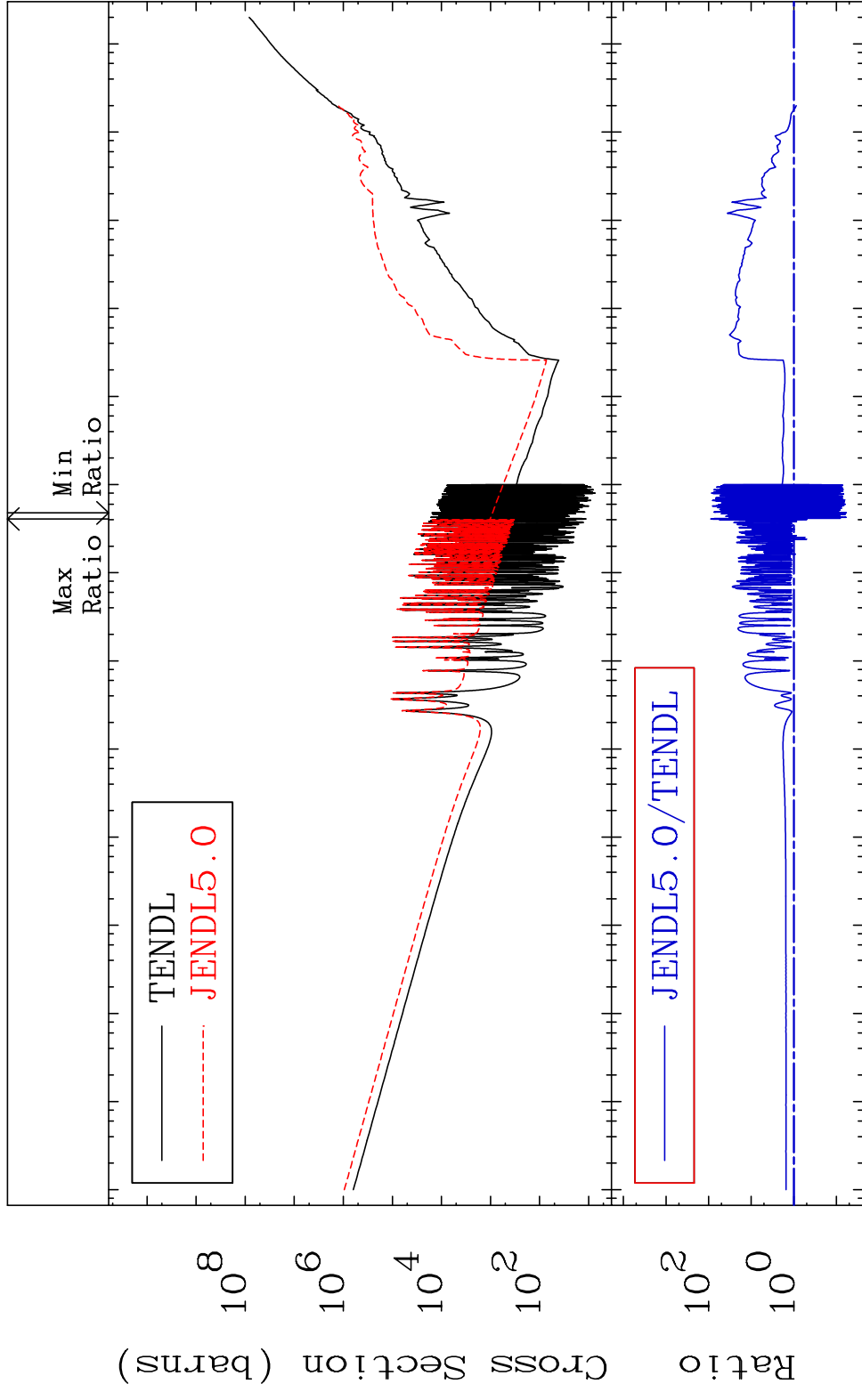
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

44

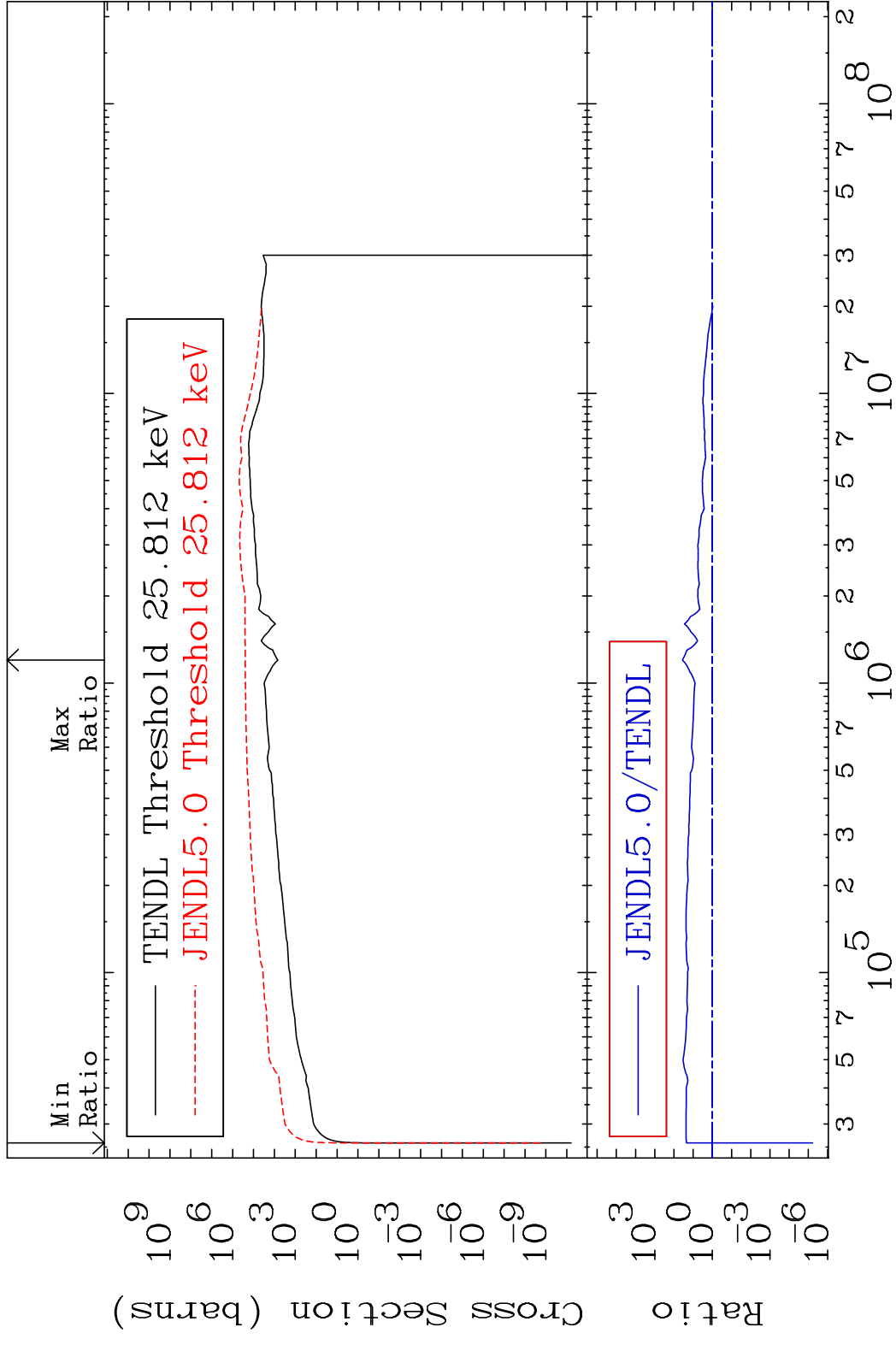
Incident Energy (eV)

66-Dy-161

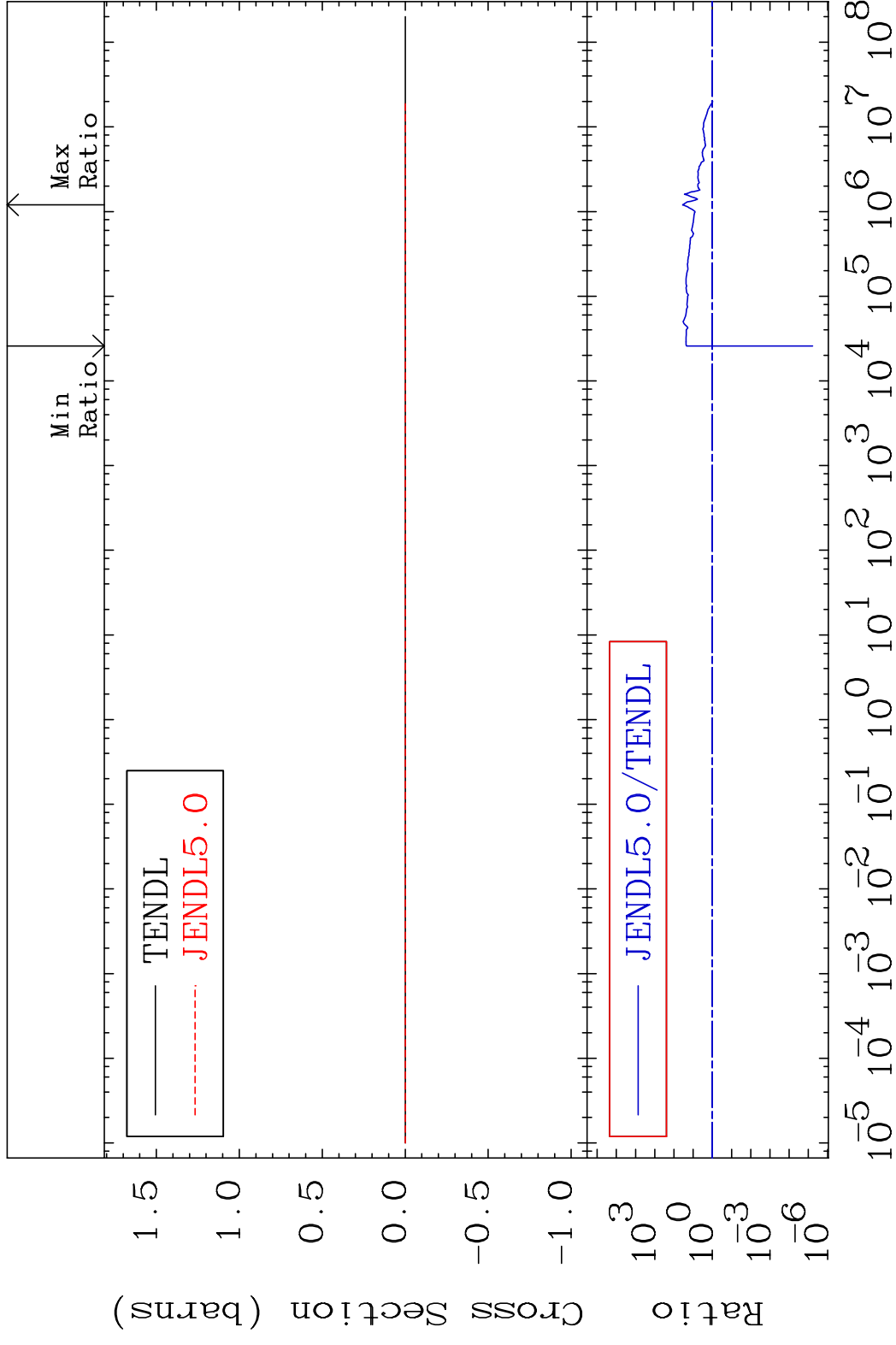
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161  
 Cross Section -94.16 To 8822. %



MAT 6640 Kerma inelastic (mt51-91) 66-Dy-161  
 Cross Section -100.0 To 3543. %



MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161  
 Cross Section -100.0 To 3543. %

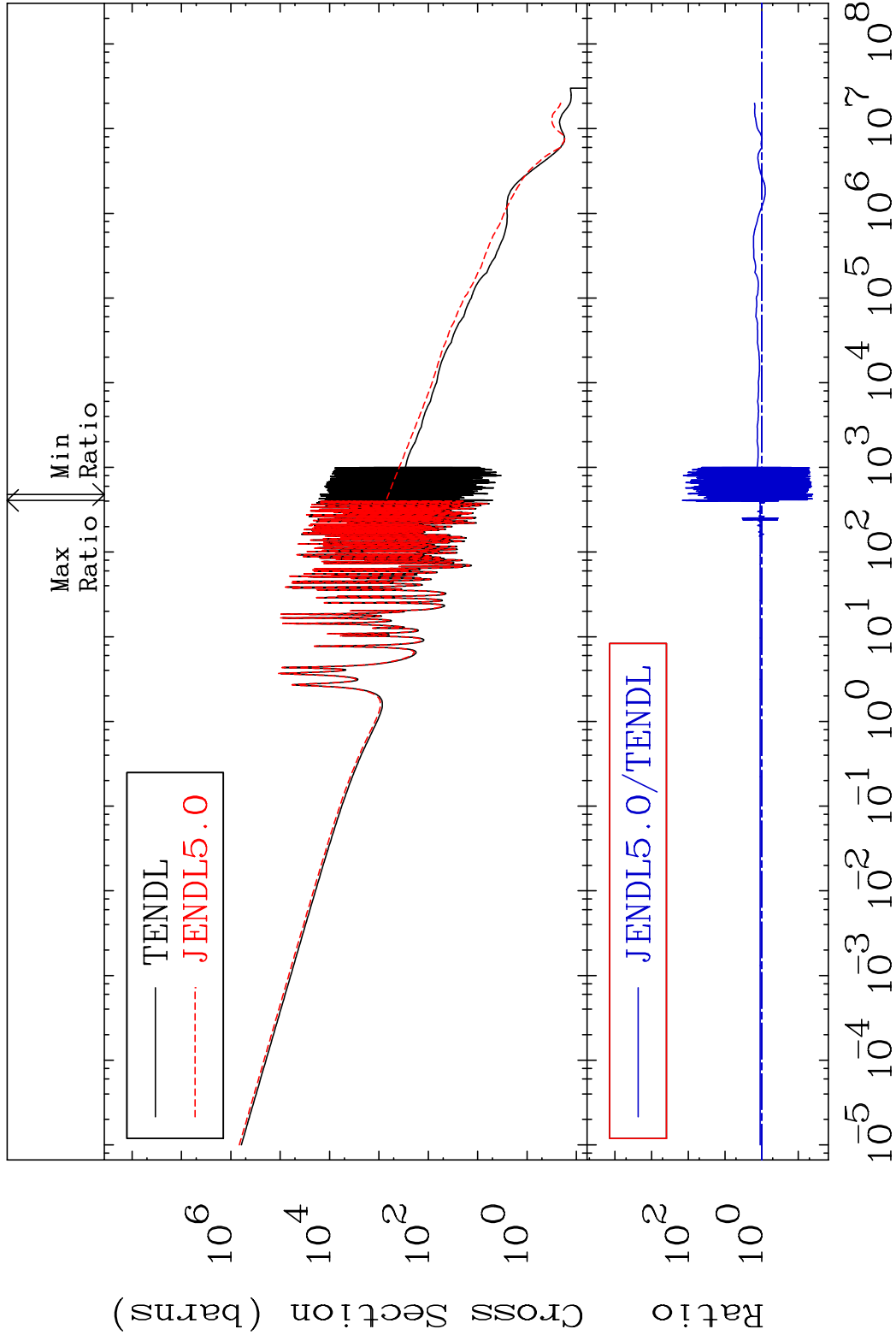




MAT 6640

Kerma capture (mt102) 66-Dy-161

Cross Section -95.90 To 9999. %



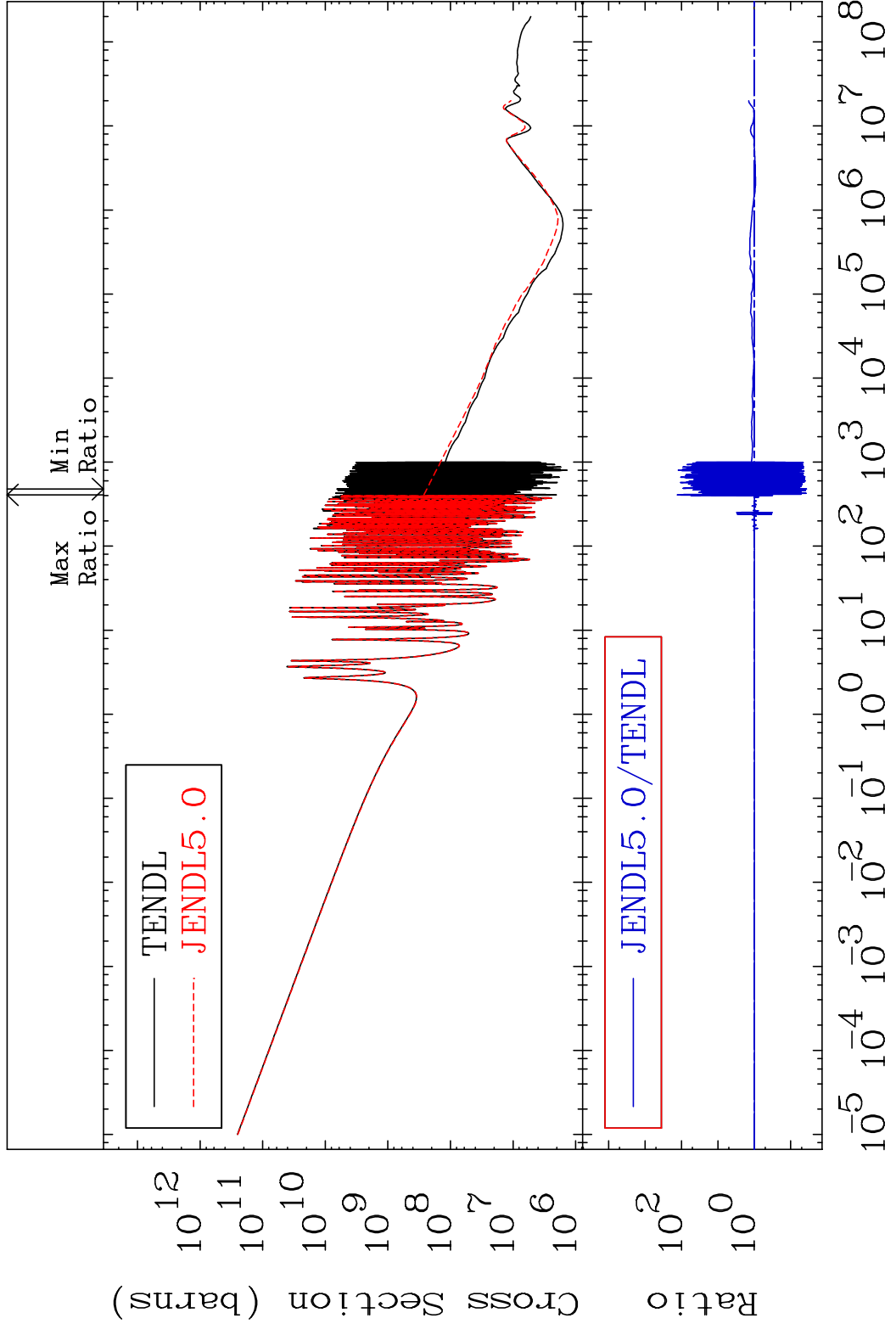
48

Incident Energy (eV)

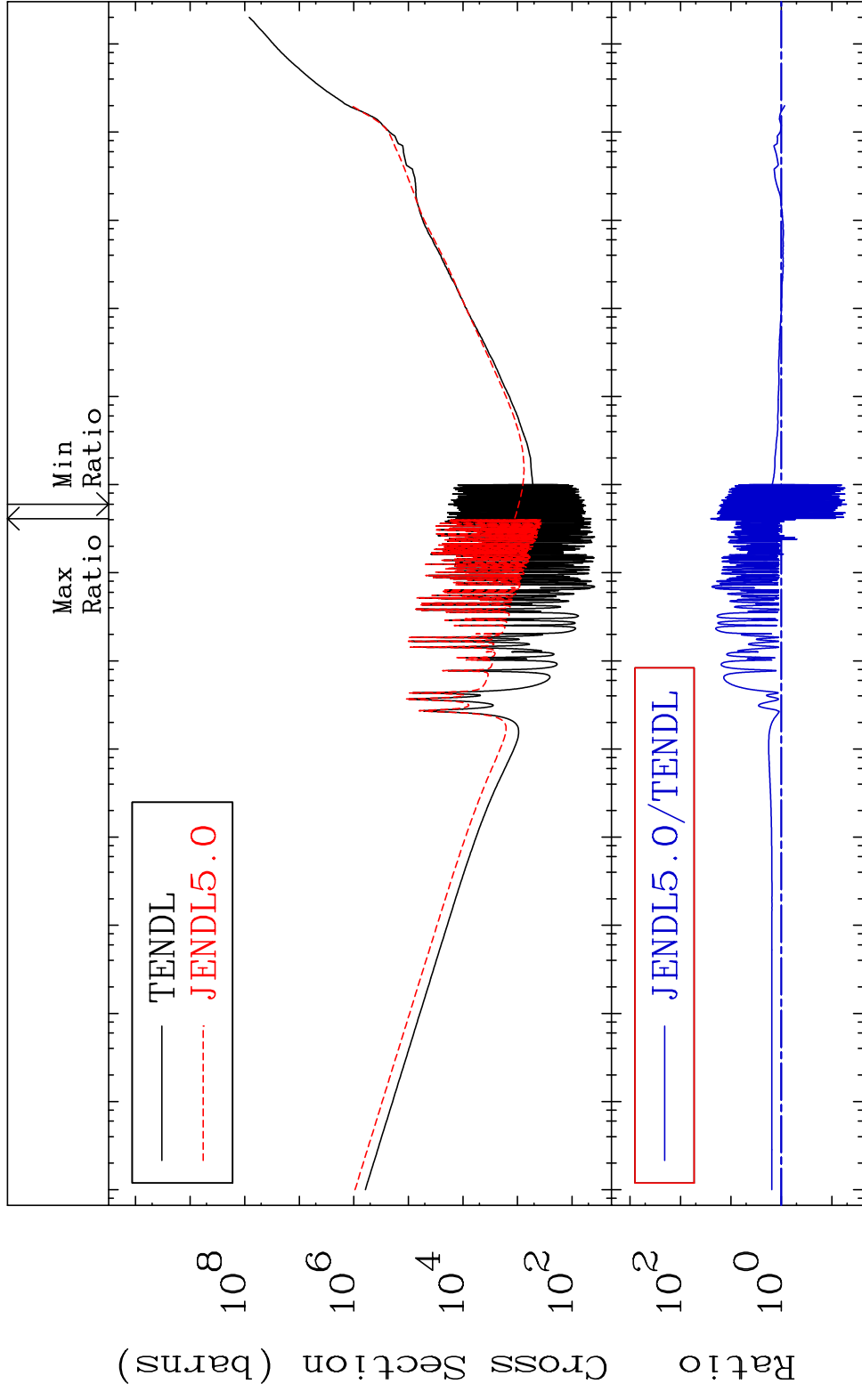
66-Dy-161

MAT 6640

Total photon (eV-barns) 66-Dy-161  
Cross Section -96.31 To 9999. %



MAT 6640 Total kinematic kerma (high limit) 66-Dy-161  
 Cross Section -94.85 To 2416. %



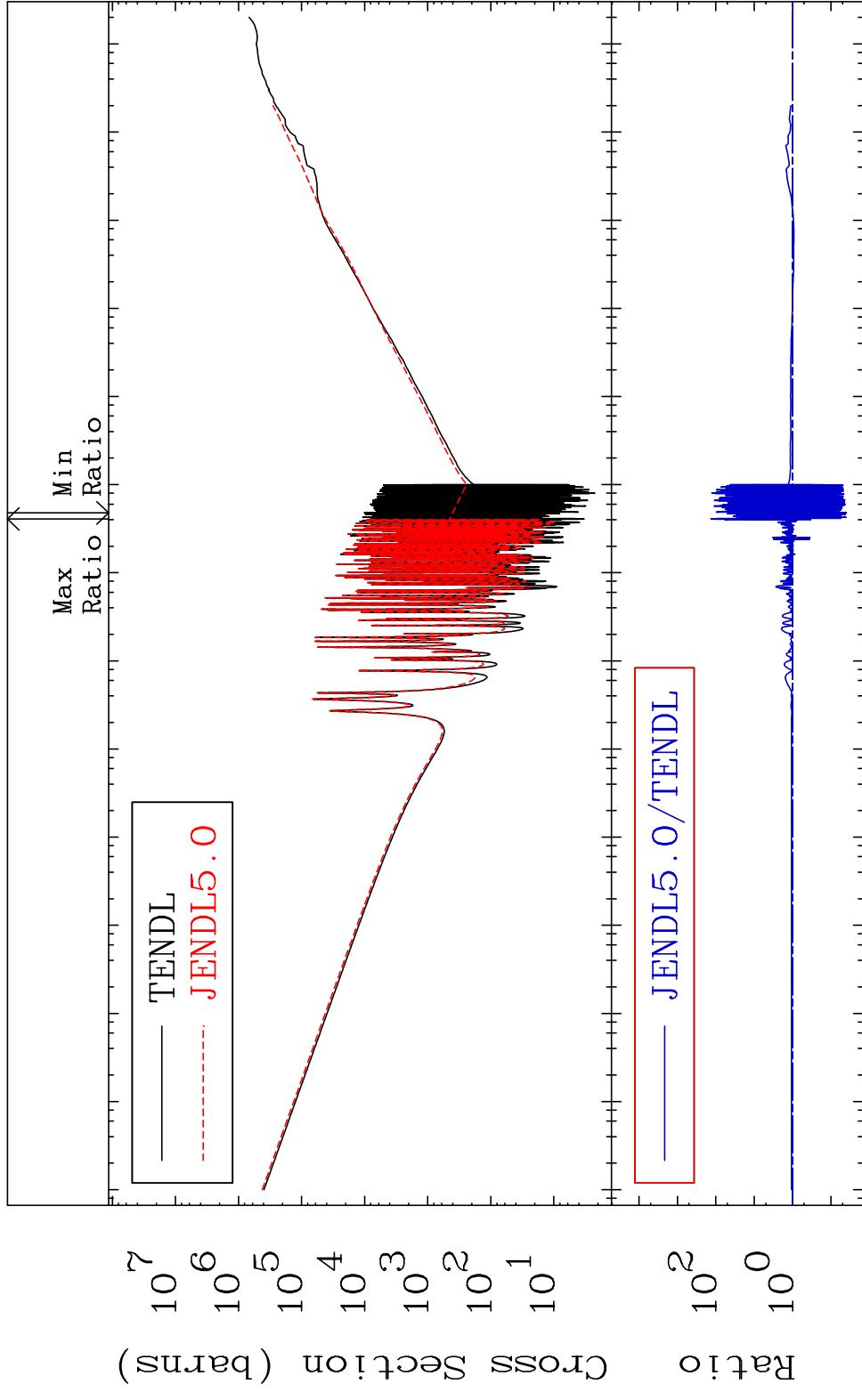
50 Incident Energy (eV) 66-Dy-161

MAT 6640

Dpa total (eV-barns)

66-Dy-161

Cross Section -96.02 To 9999. %

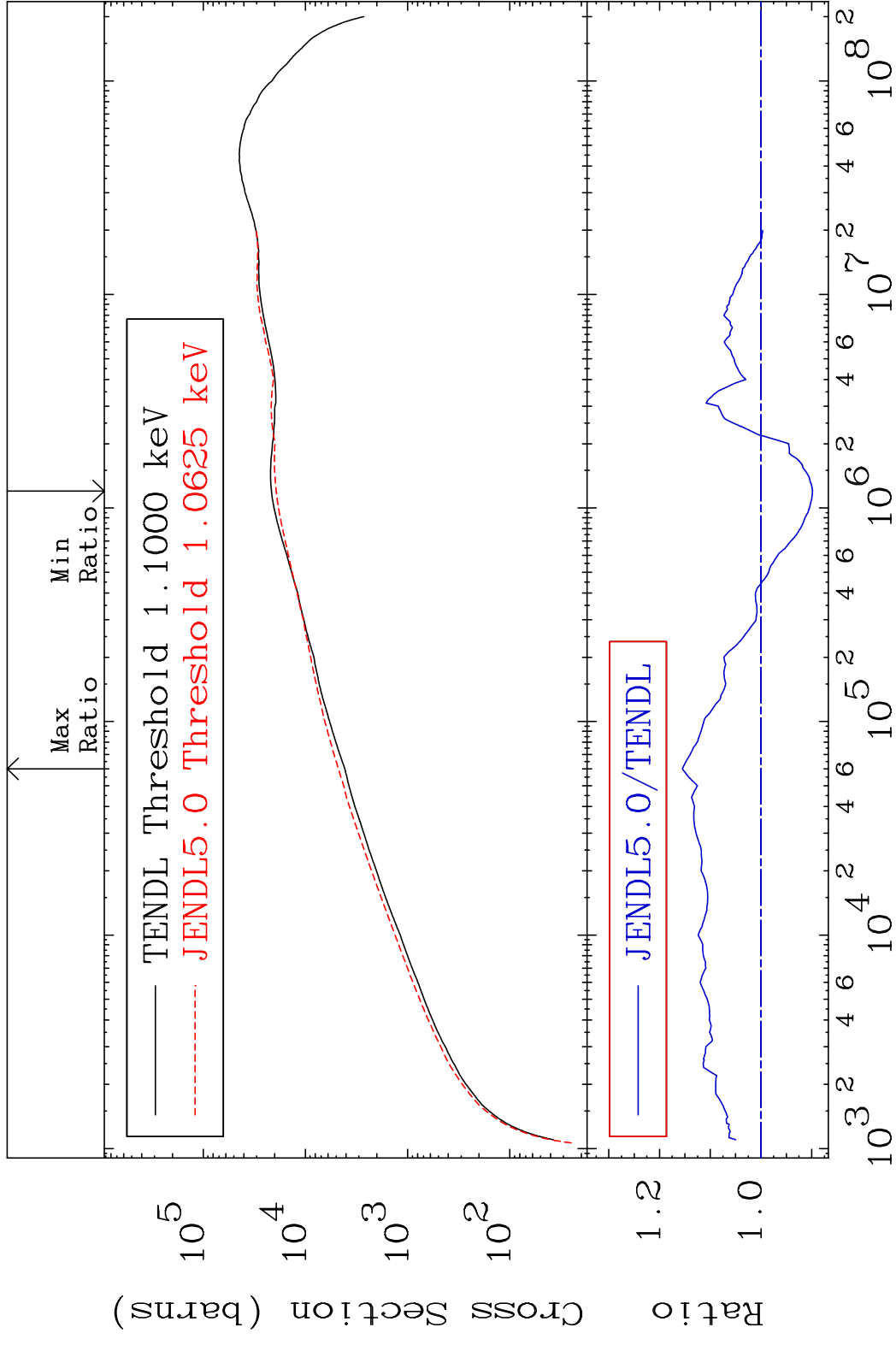


MAT 6640

Dpa elastic (mt2)

66-Dy-161

Cross Section -10.16 To 15.50 %

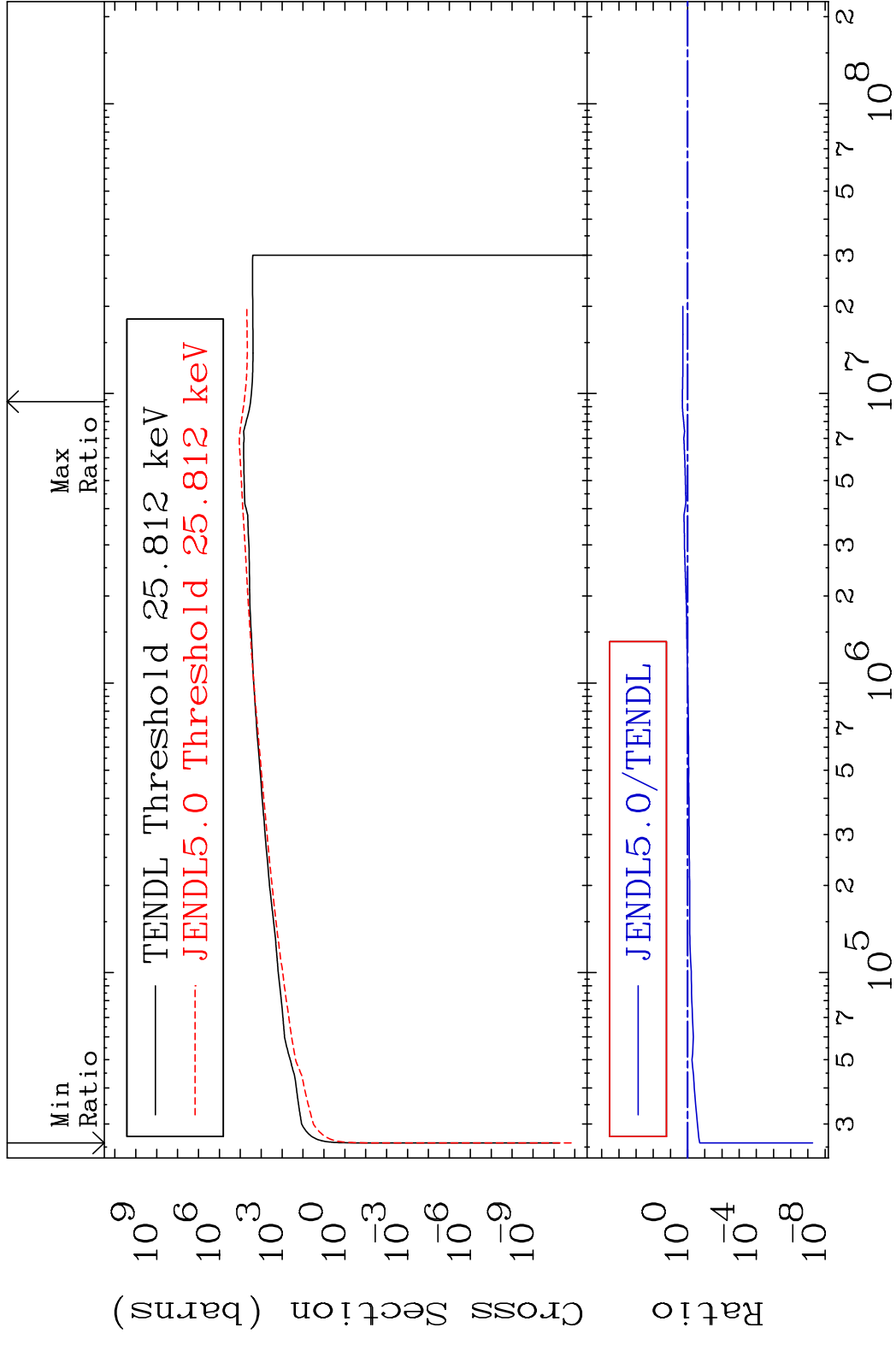


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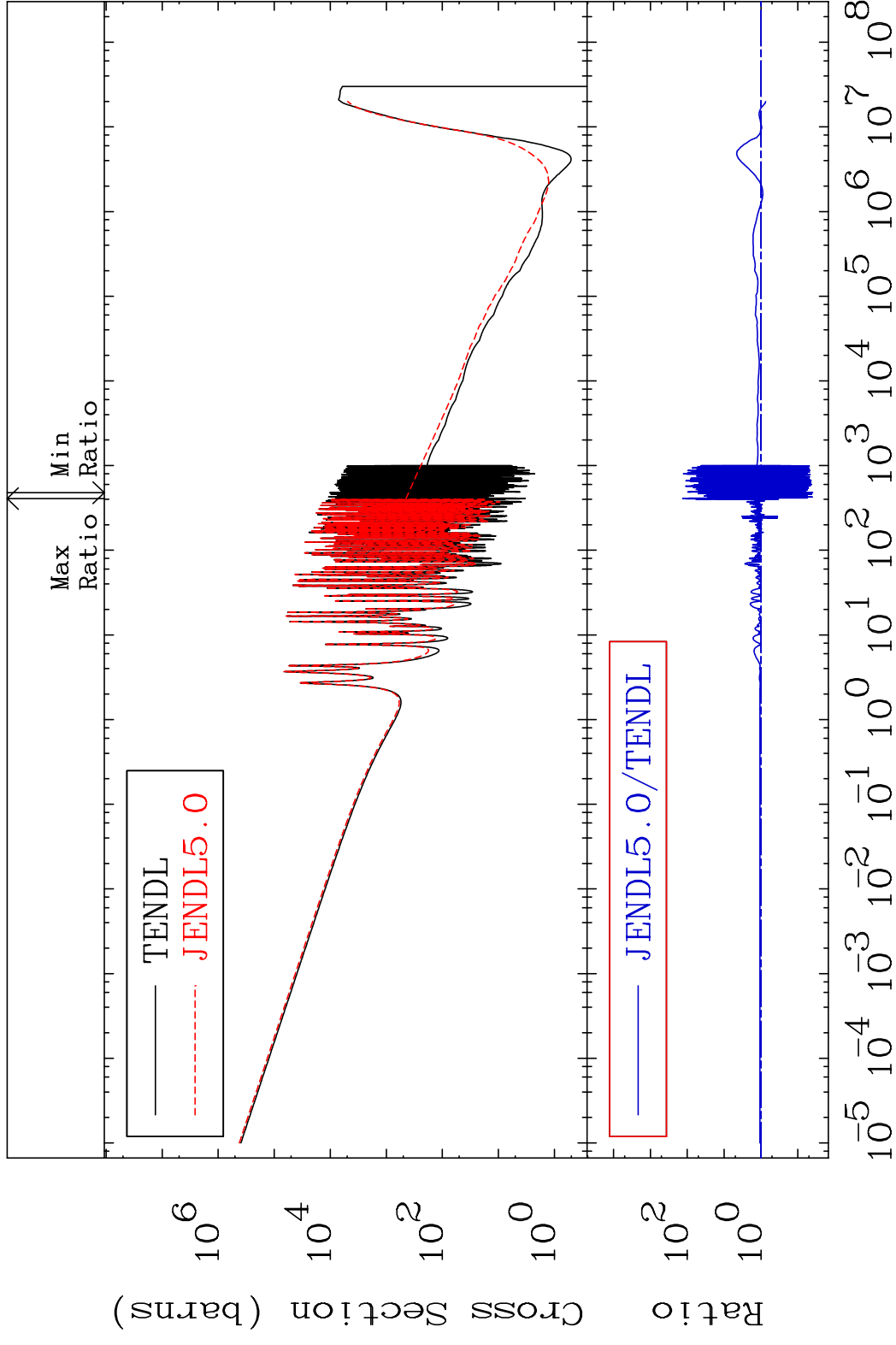
Incident Energy (eV)

66-Dy-161

MAT 6640 Dpa inelastic (mt51-91) 66-Dy-161  
 Cross Section -100.0 To 103.0 %



MAT 6640 Dpa disappearance (mt102 -120) 66-Dy-161  
 Cross Section -96.02 To 9999. %



MAT 6640 (n, n') t:65-Tb-158g 66-Dy-161  
 Radionuclide Production Cross Section Ratio 2413. %

