

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

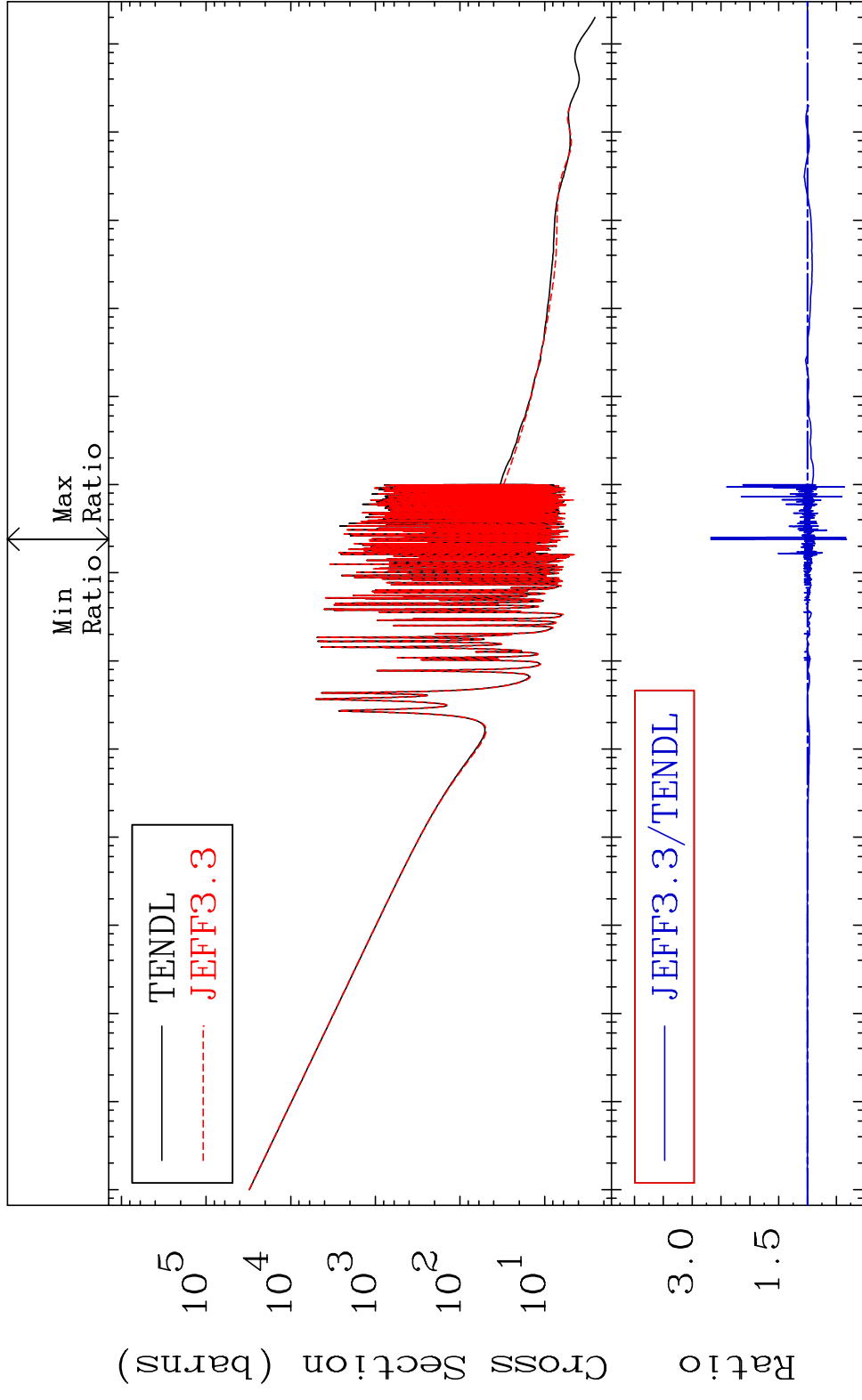
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6640

Total Cross Section -67.37 To 167.8 %

66-Dy-161



Incident Energy (eV) 66-Dy-161

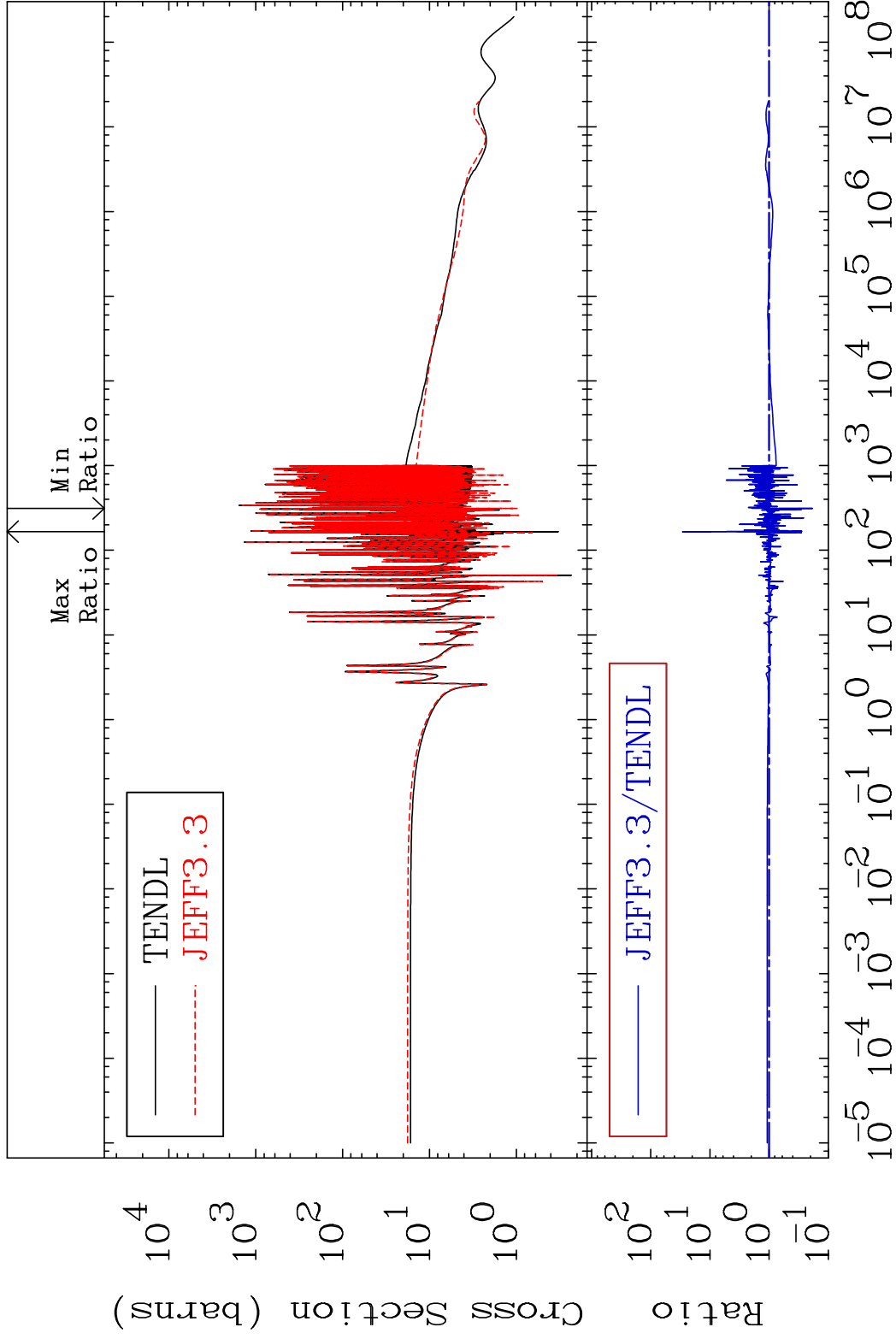
1

MAT 6640

Elastic

66-Dy-161

Cross Section -81.55 To 2827. %

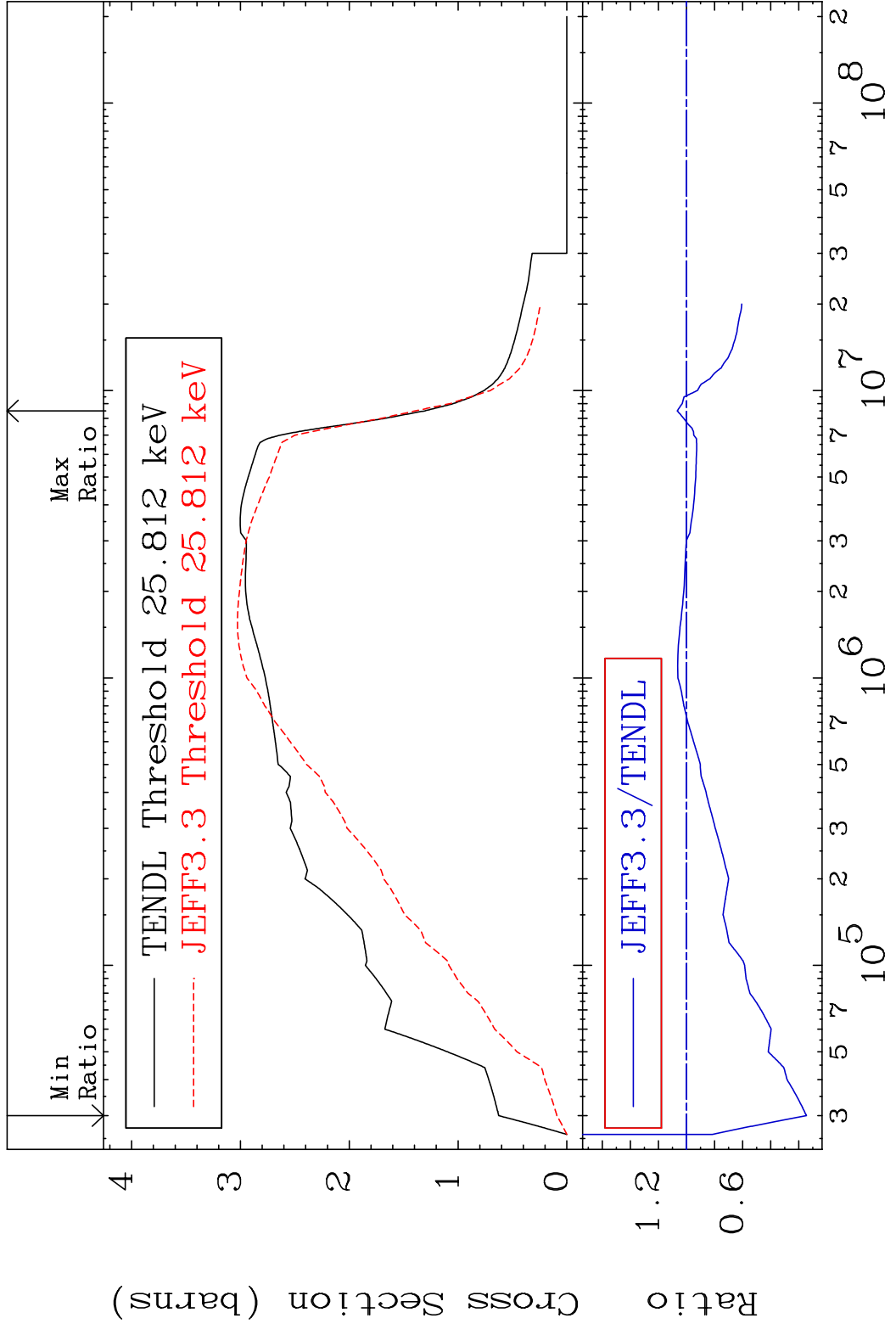


2

Incident Energy (eV)

66-Dy-161

MAT 6640 Inelastic Cross Section 66-Dy-161  
 -85.40 To 6.620 %



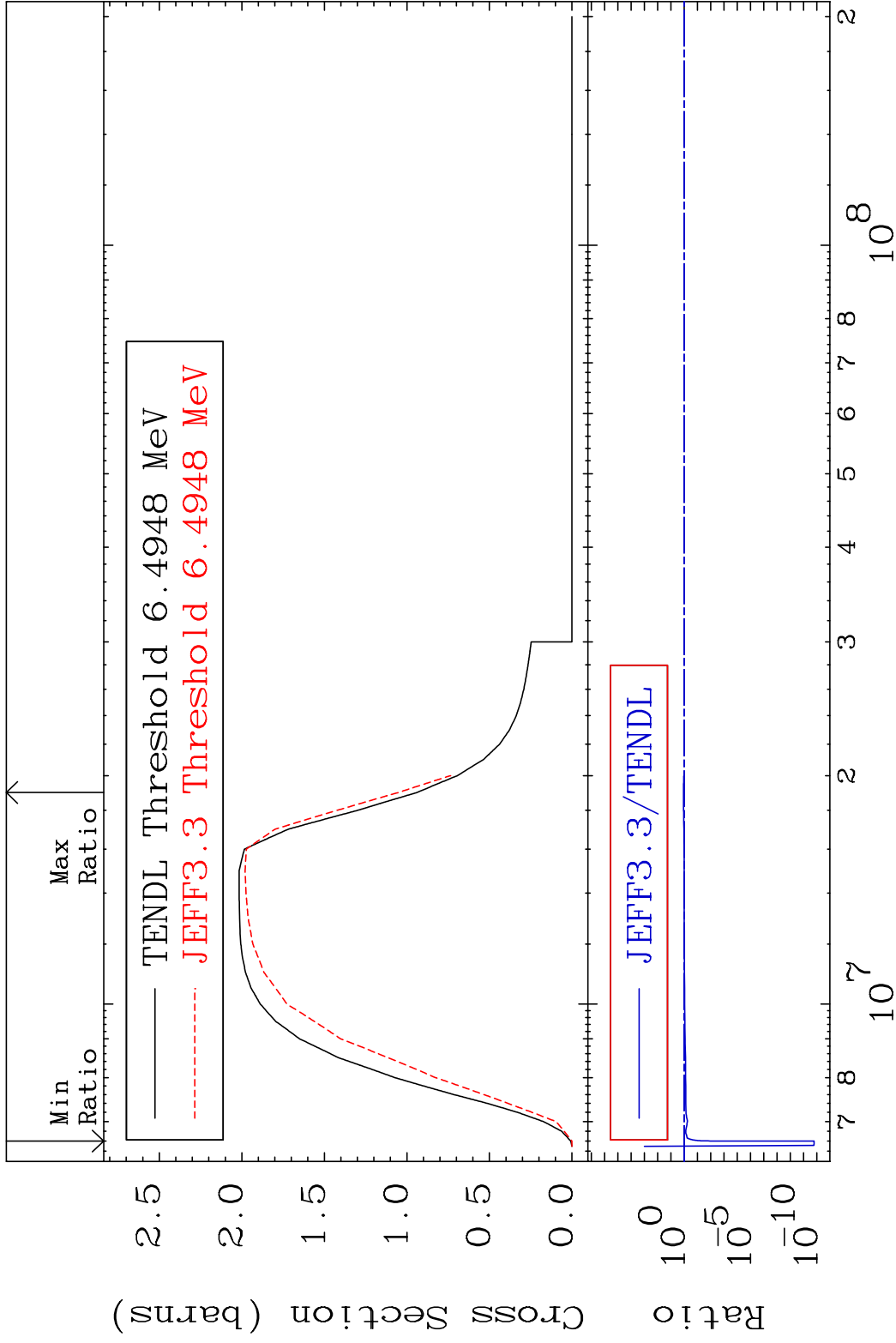
3 Incident Energy (eV) 66-Dy-161

MAT 6640

(n,2n)

66-Dy-161

Cross Section -100.0 To 12.11 %



4

Incident Energy (eV)

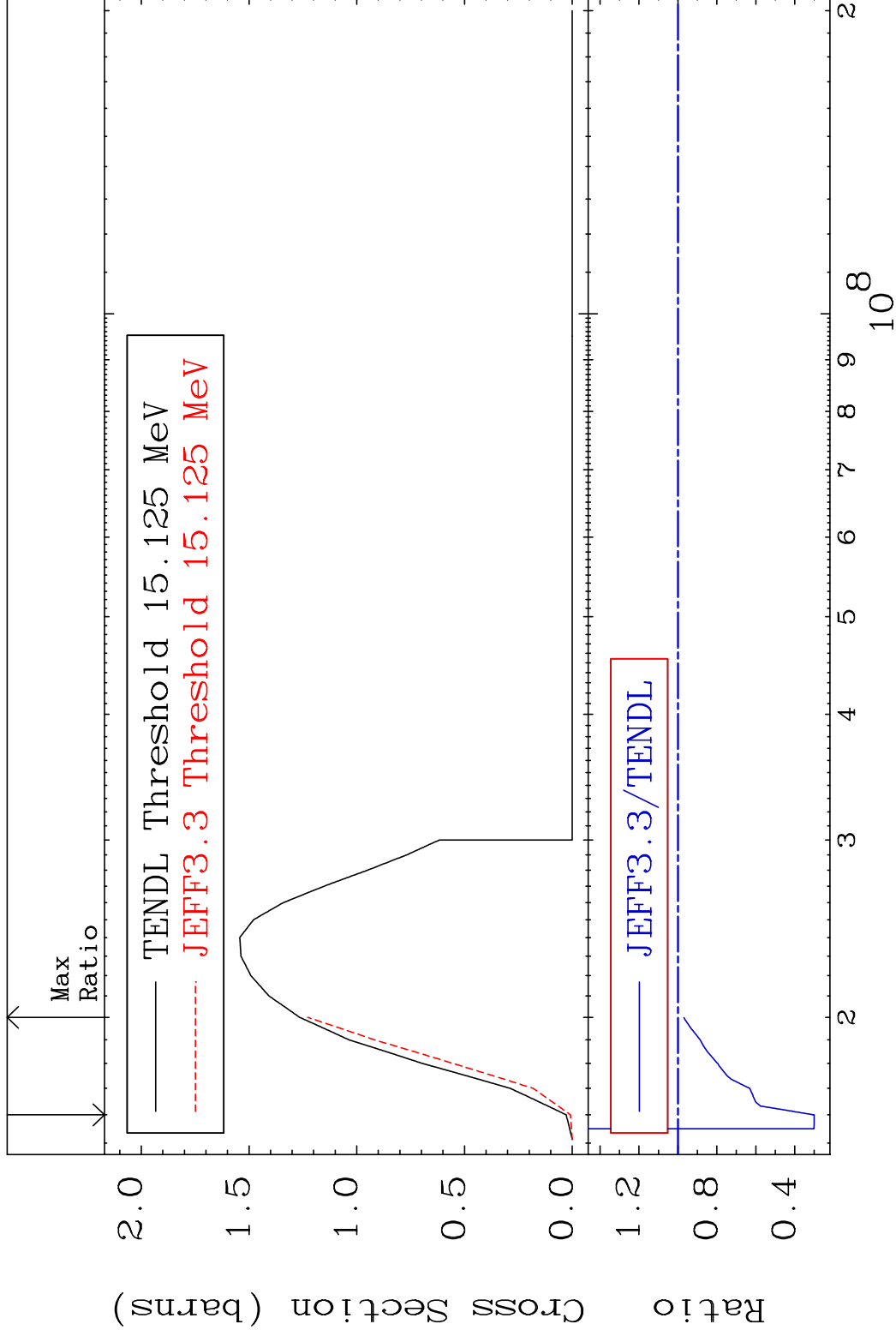
66-Dy-161

MAT 6640

(n,3n)

66-Dy-161

Cross Section -69.94 To -2.942%



5

Incident Energy (eV)

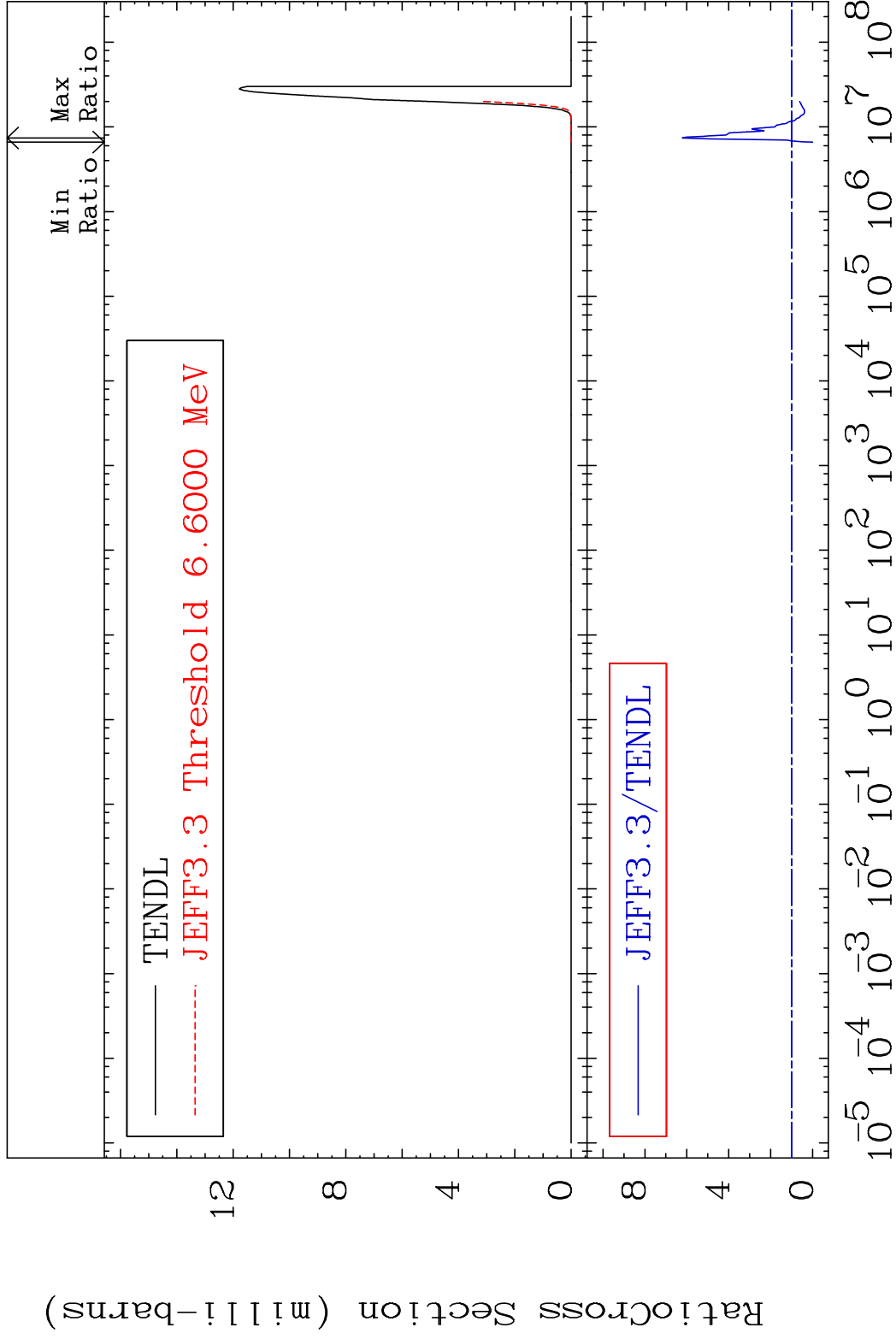
66-Dy-161

MAT 6640

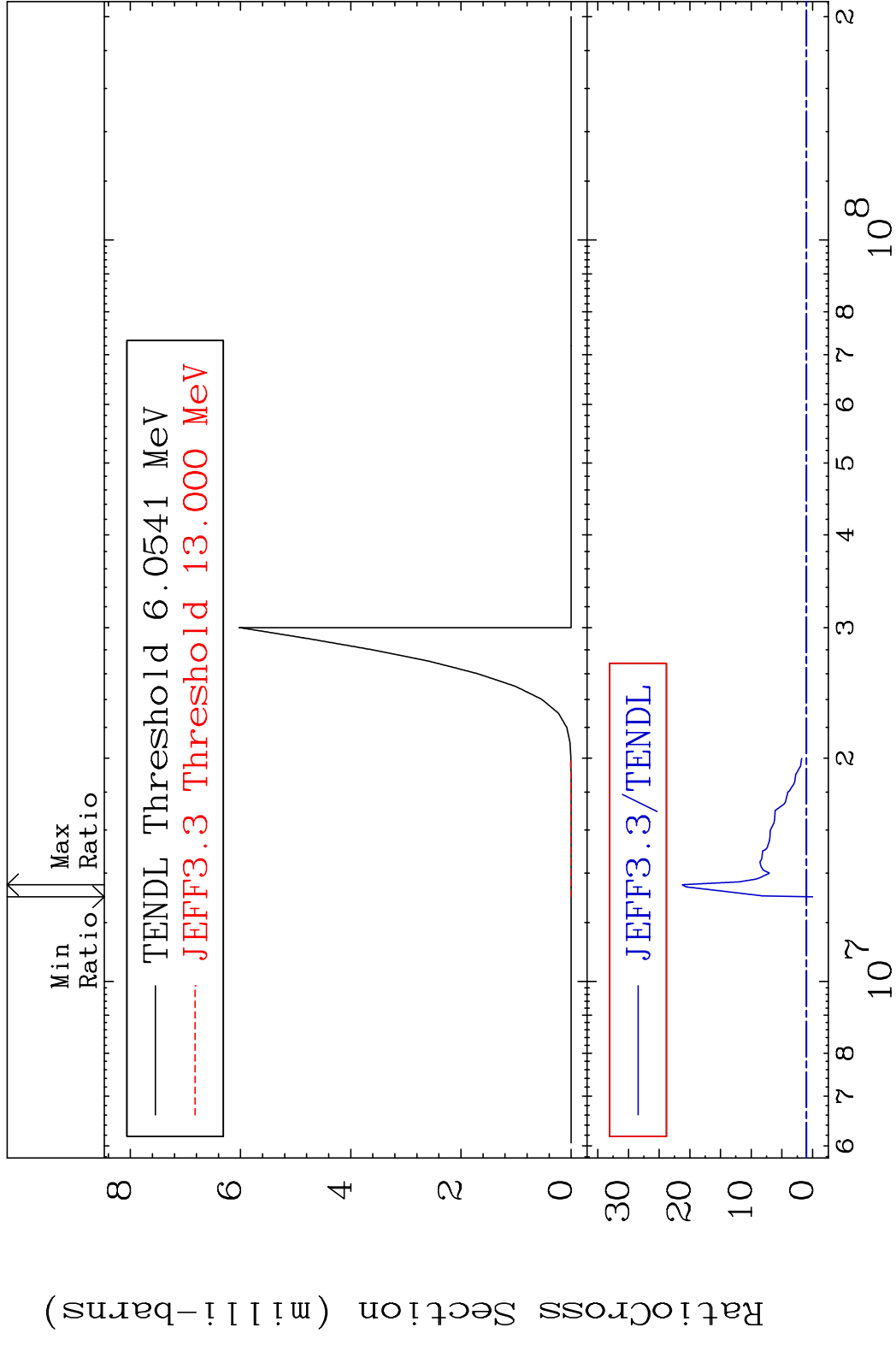
(n, n')  $\alpha$

66-Dy-161

Cross Section -100.0 To 521.3 %



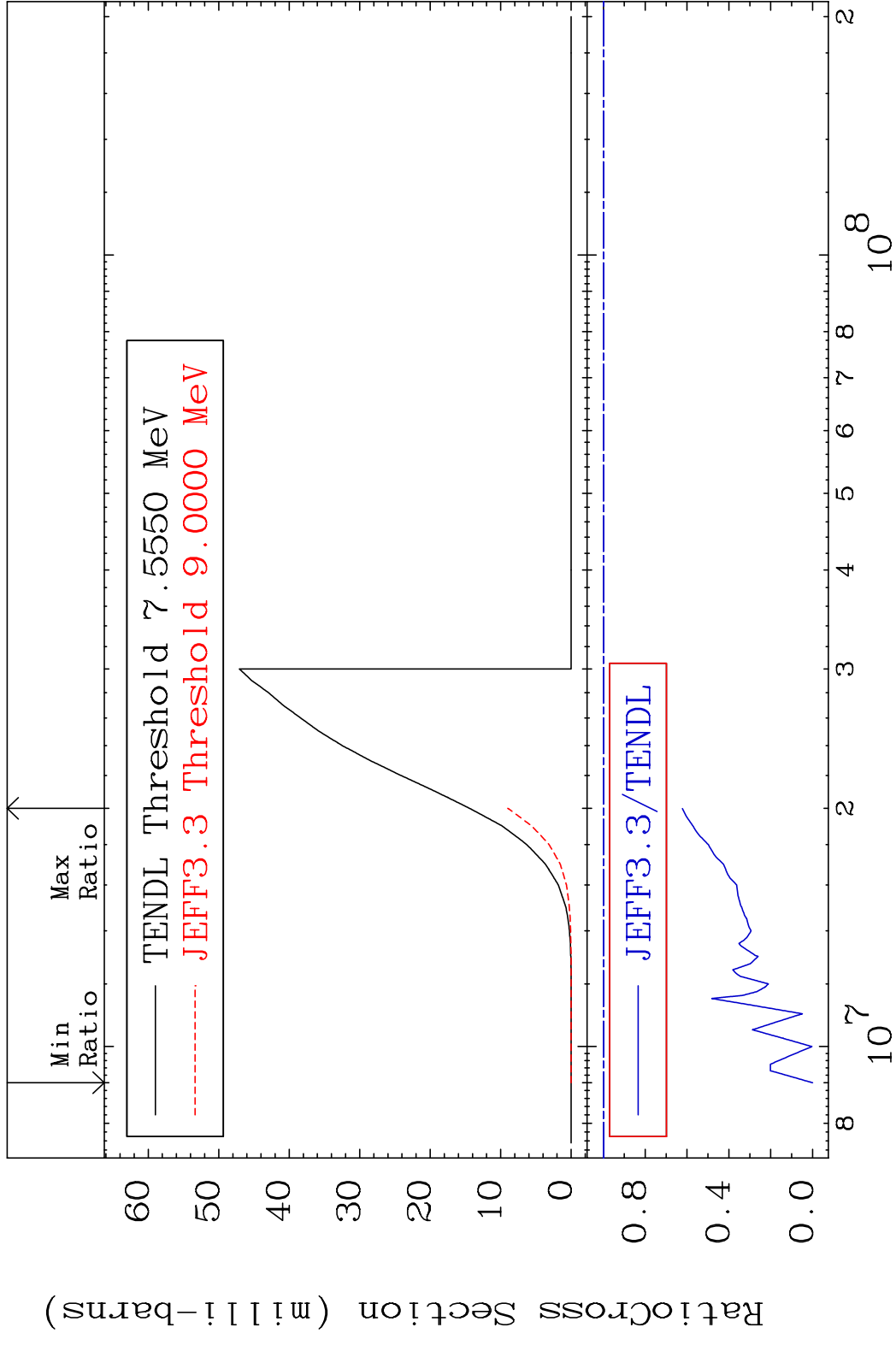
MAT 6640 (n,2n)  $\alpha$  66-Dy-161  
 Cross Section -100.0 To 2022. %



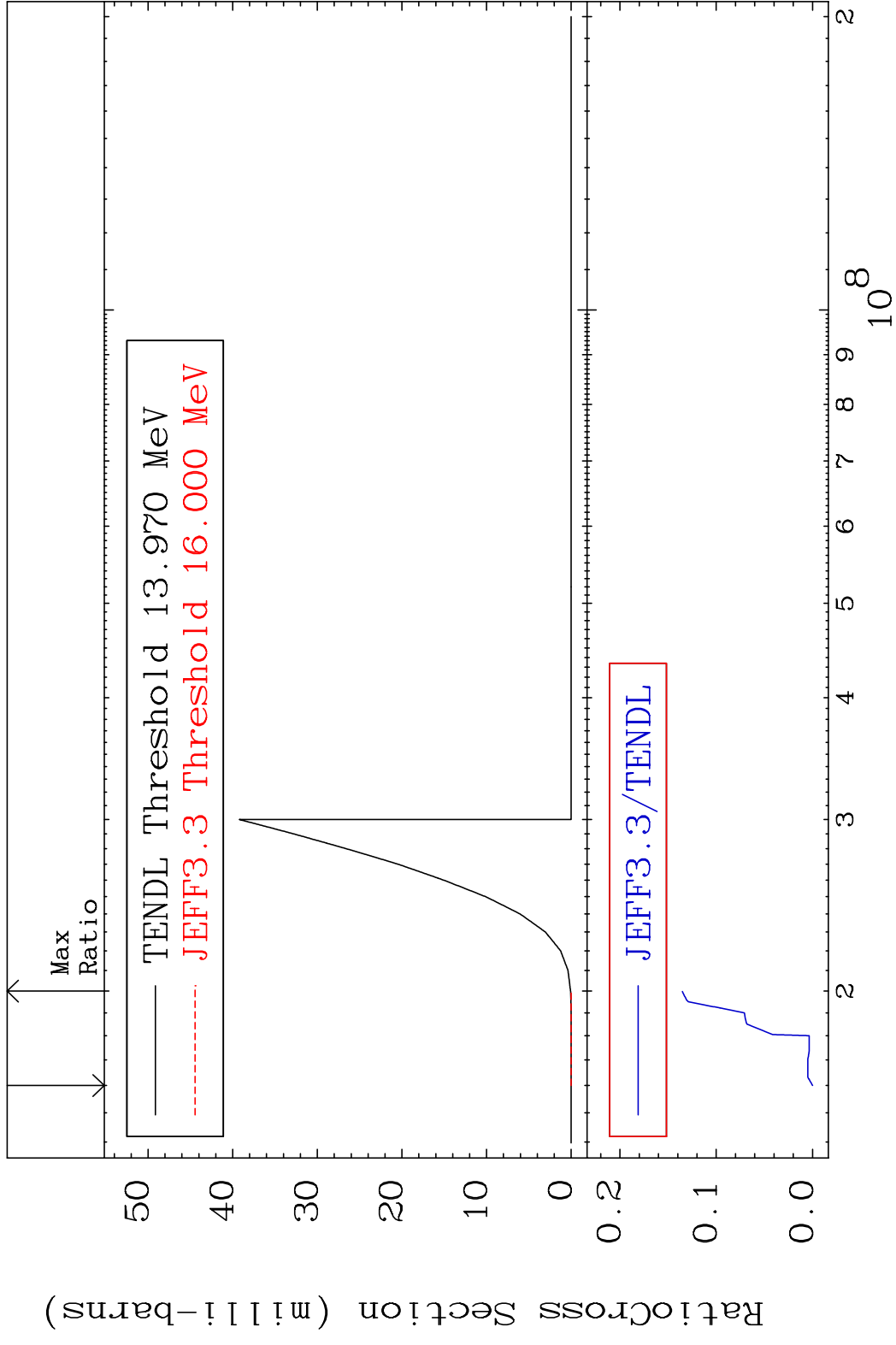
7 Incident Energy (eV) 66-Dy-161



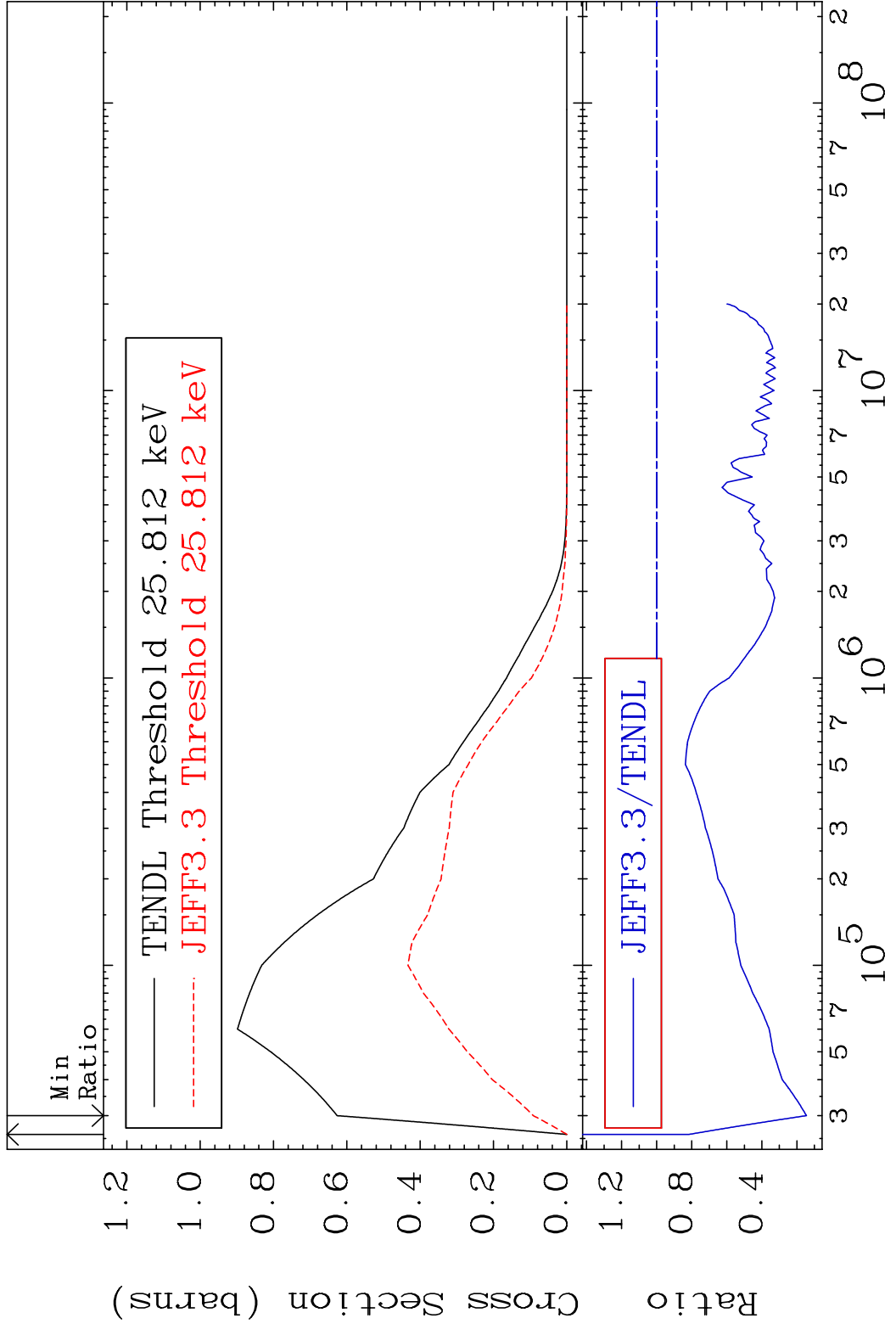
MAT 6640 (n, n') p 66-Dy-161  
 Cross Section -100.0 To -37.75%



MAT 6640 (n,2n) p 66-Dy-161  
 Cross Section -100.0 To -86.48%

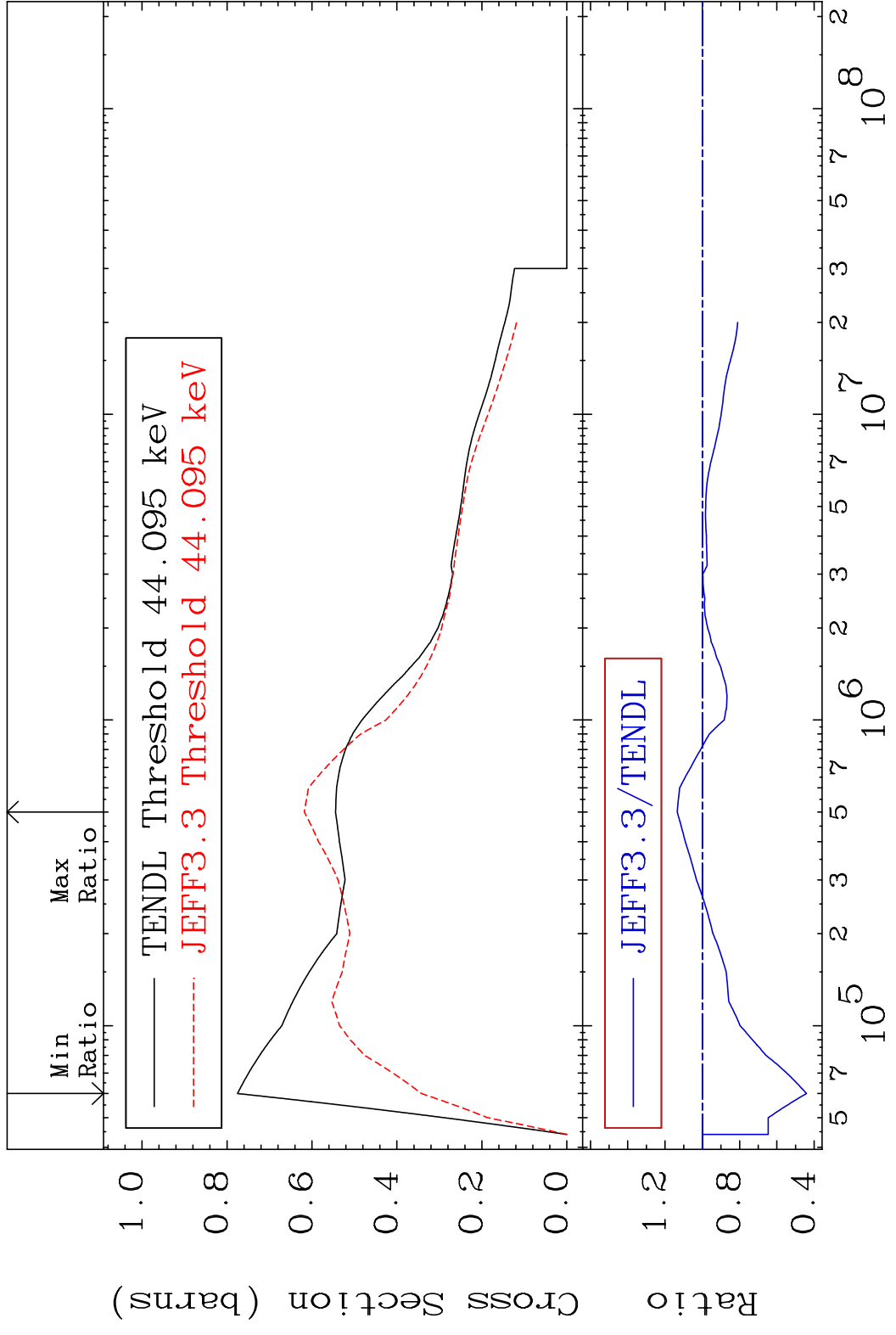


MAT 6640 MT= 51 (n, n') Level 66-Dy-161  
 Cross Section -85.40 To -11.70%

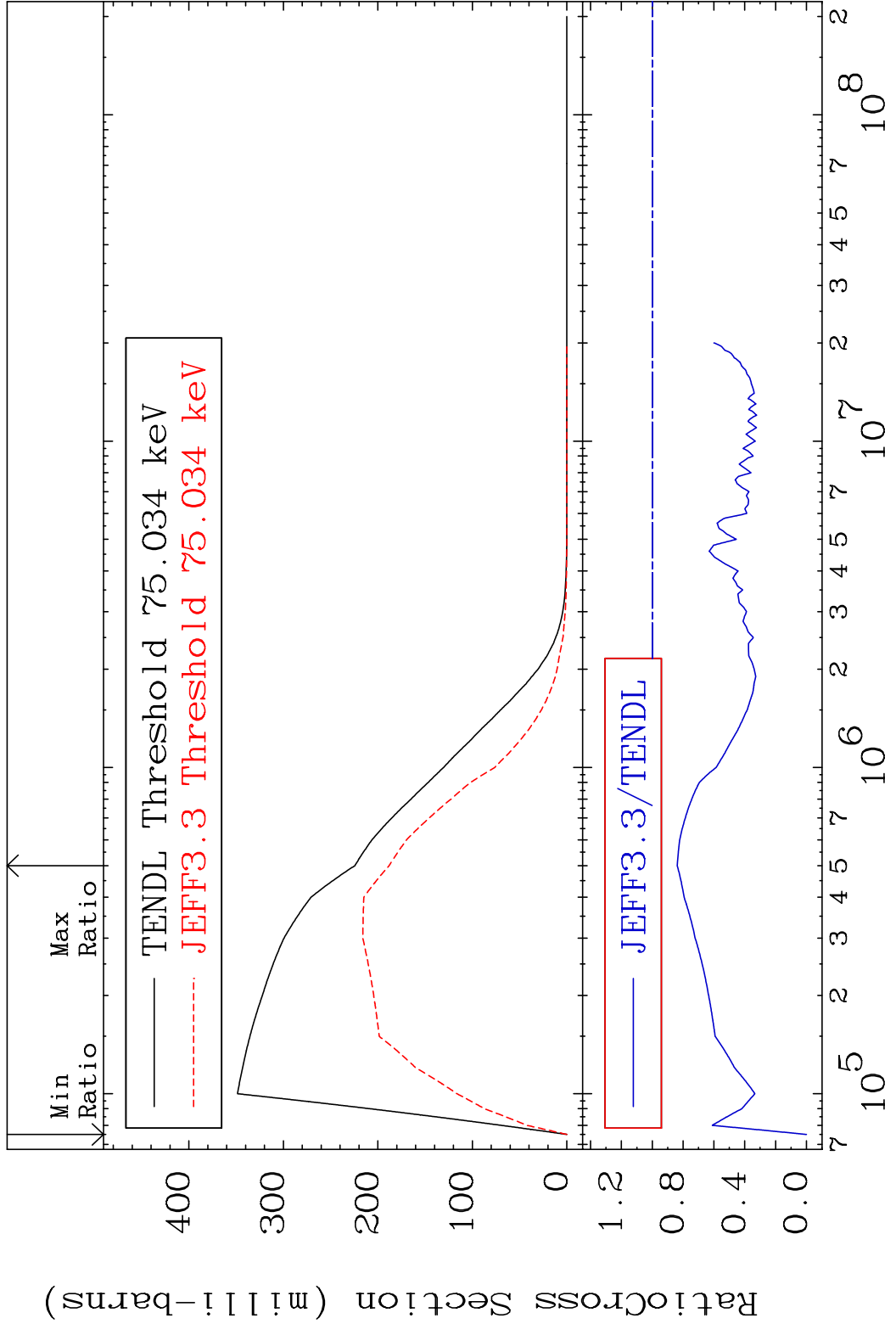


10 Incident Energy (eV) 66-Dy-161

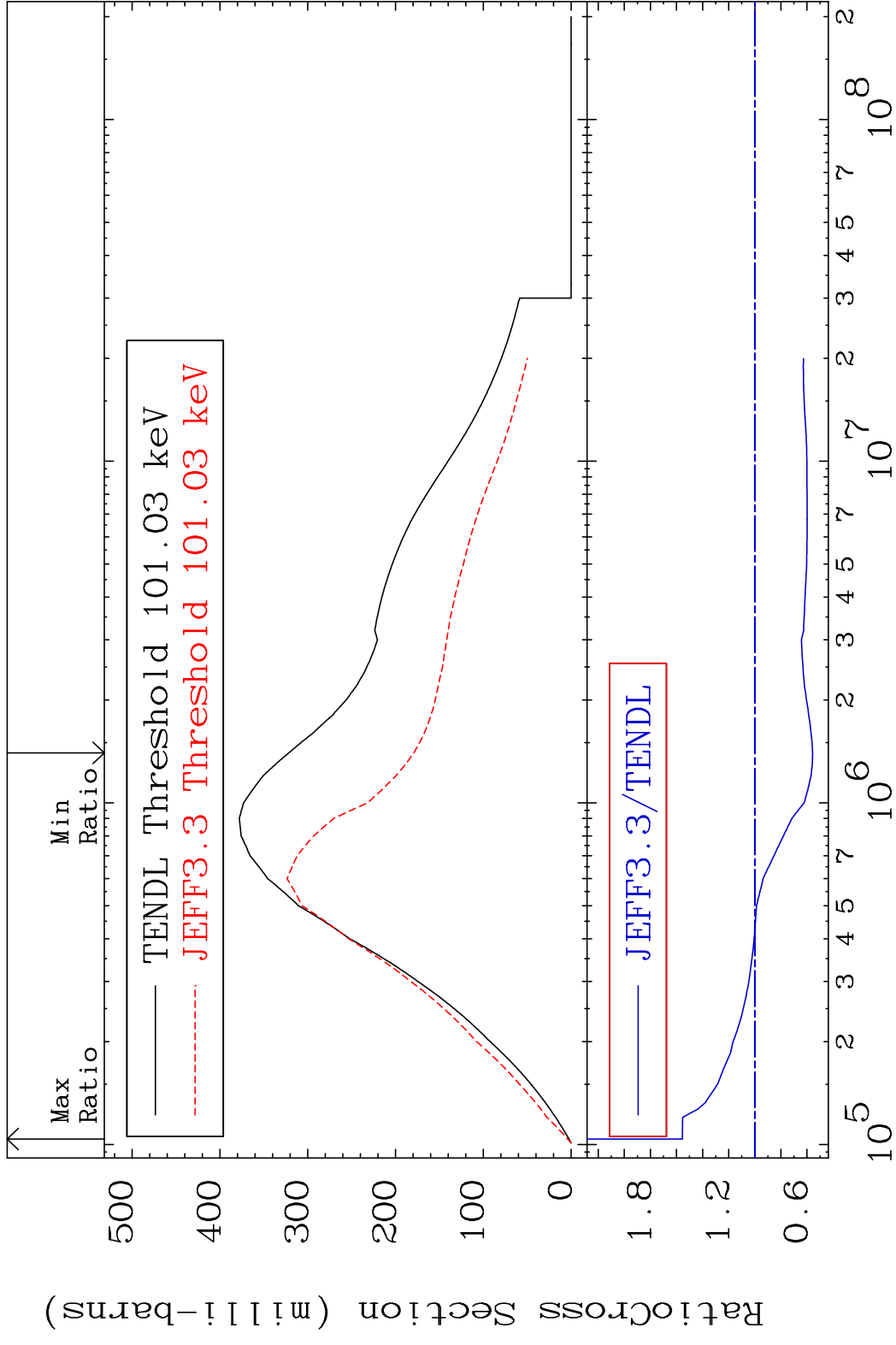
MAT 6640 MT= 52 (n, n') Level 66-Dy-161  
 Cross Section -55.83 To 13.48 %



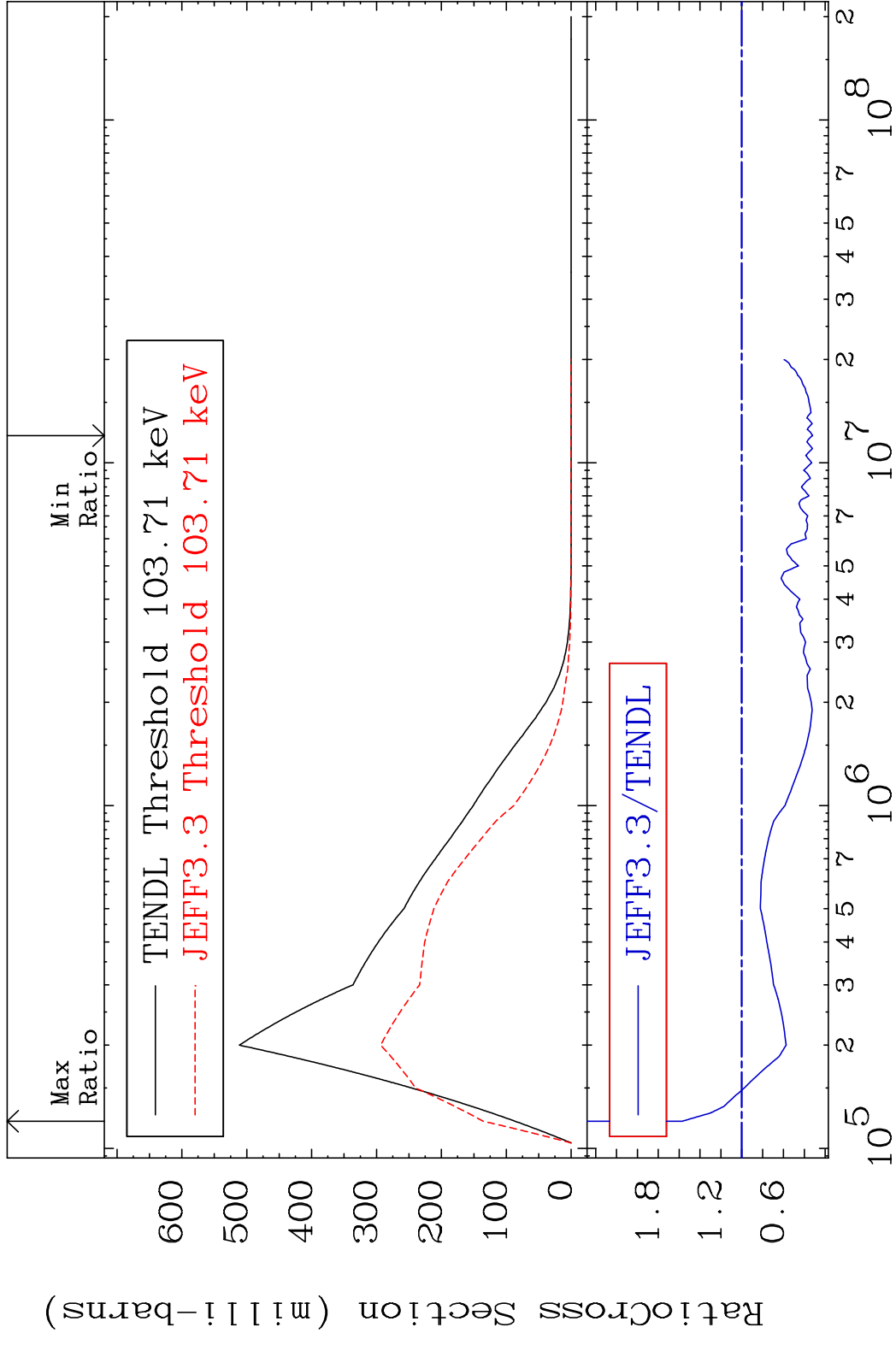
MAT 6640 MT= 53 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To -16.17%



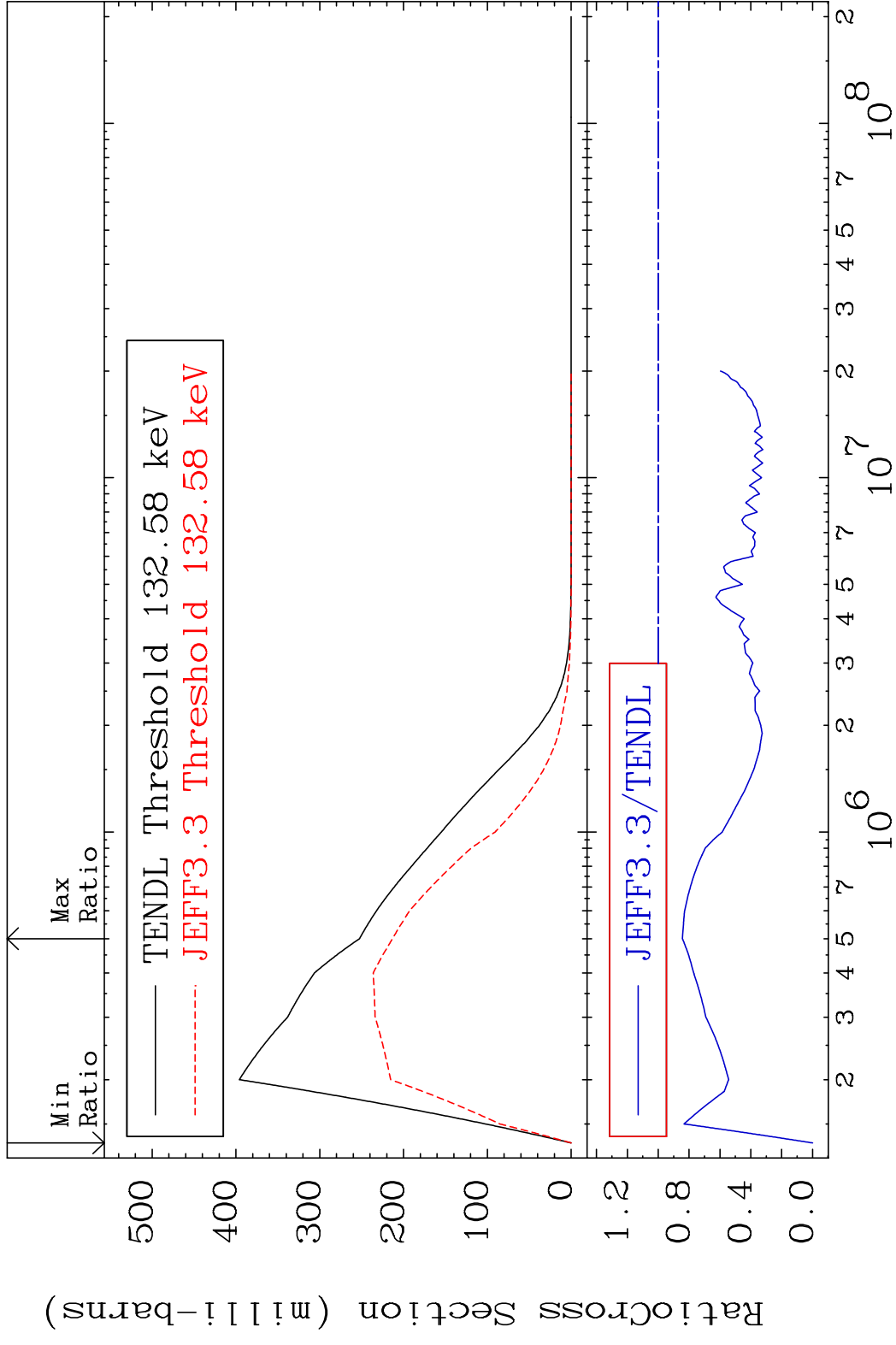
MAT 6640 MT= 54 (n, n') Level 66-Dy-161  
 Cross Section -44.25 To 55.52 %



MAT 6640 MT= 55 (n, n') Level 66-Dy-161  
 Cross Section -67.93 To 56.92 %

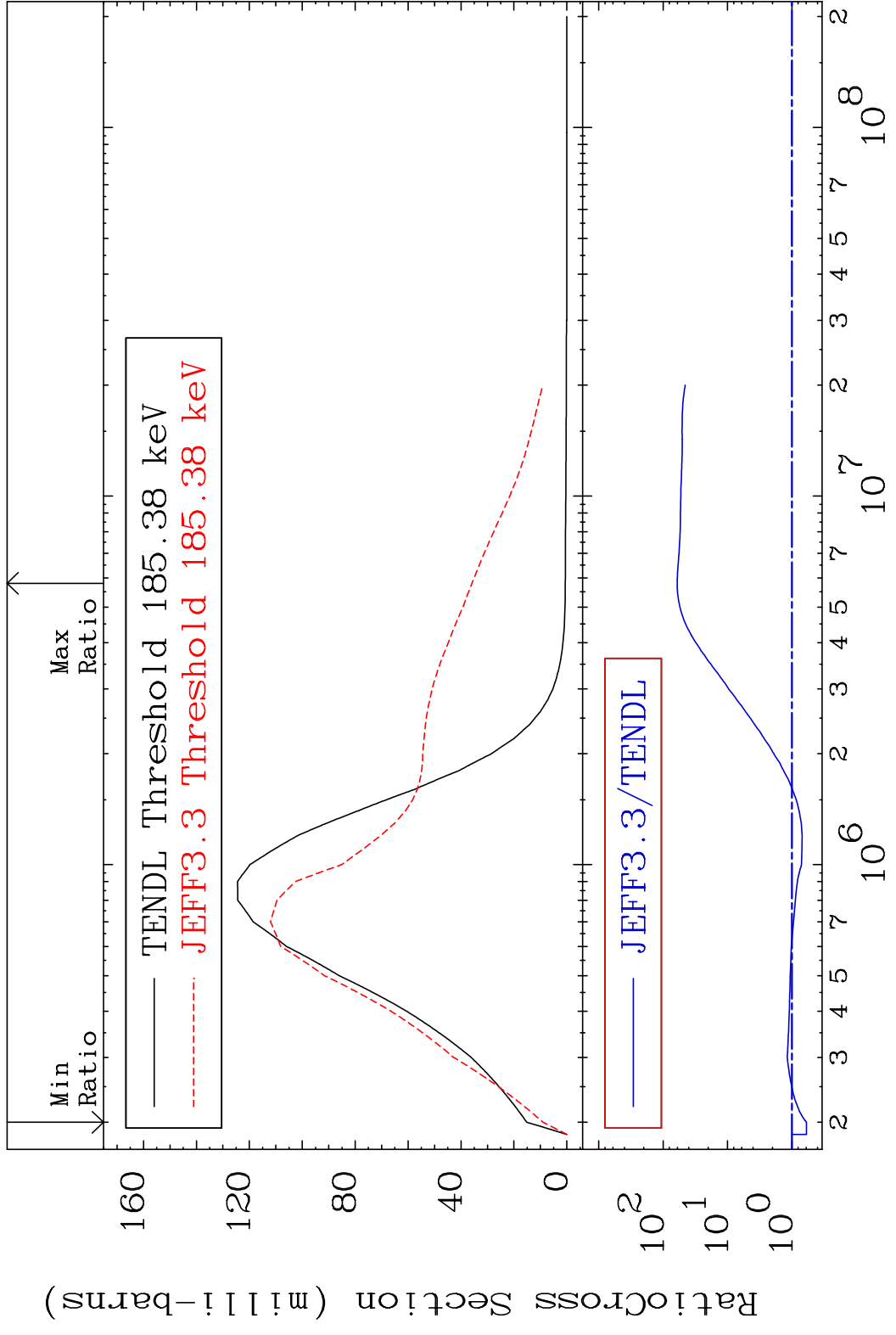


MAT 6640 MT= 56 (n,n') Level 66-Dy-161  
 Cross Section -100.0 To -15.64%

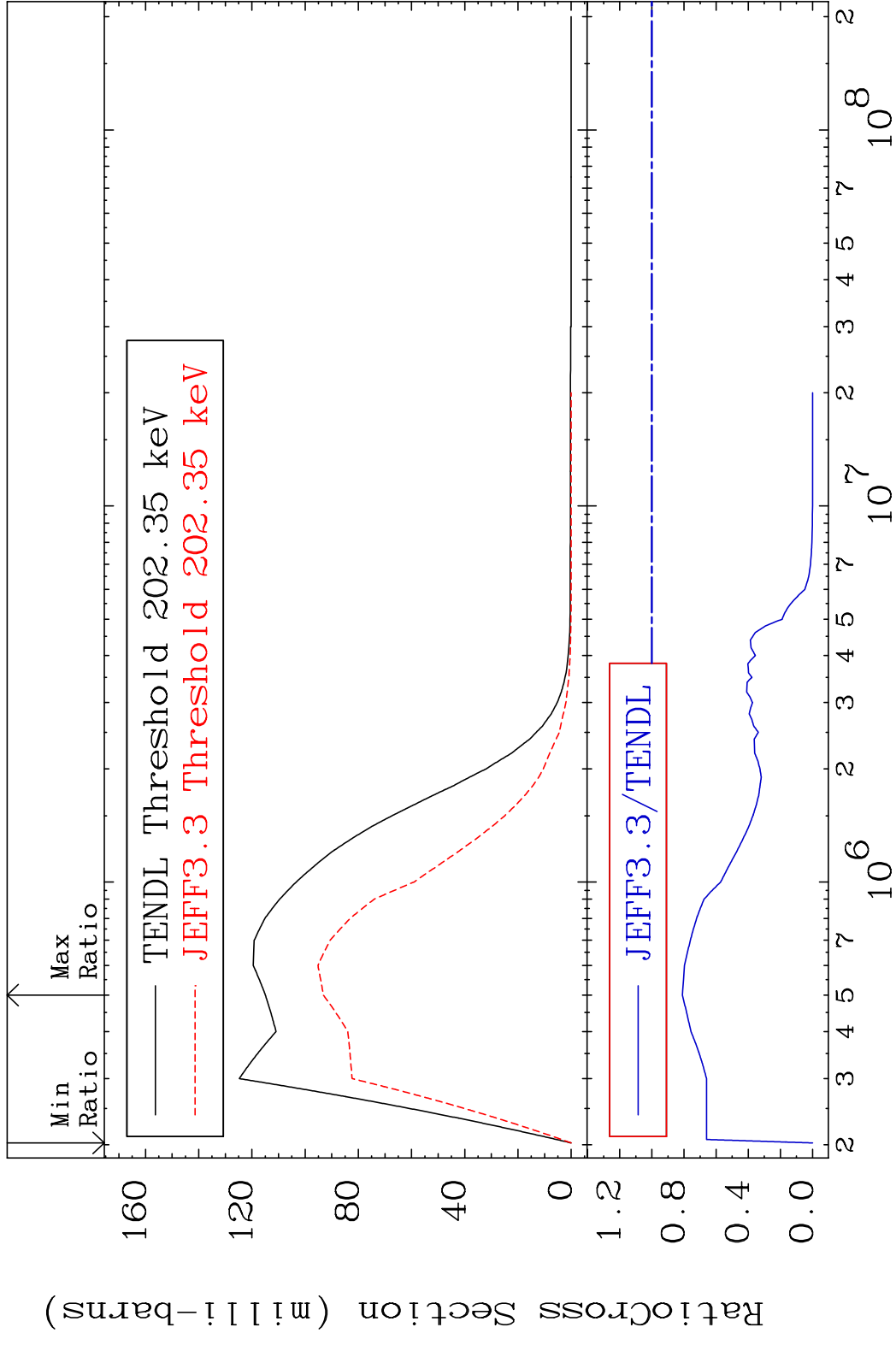




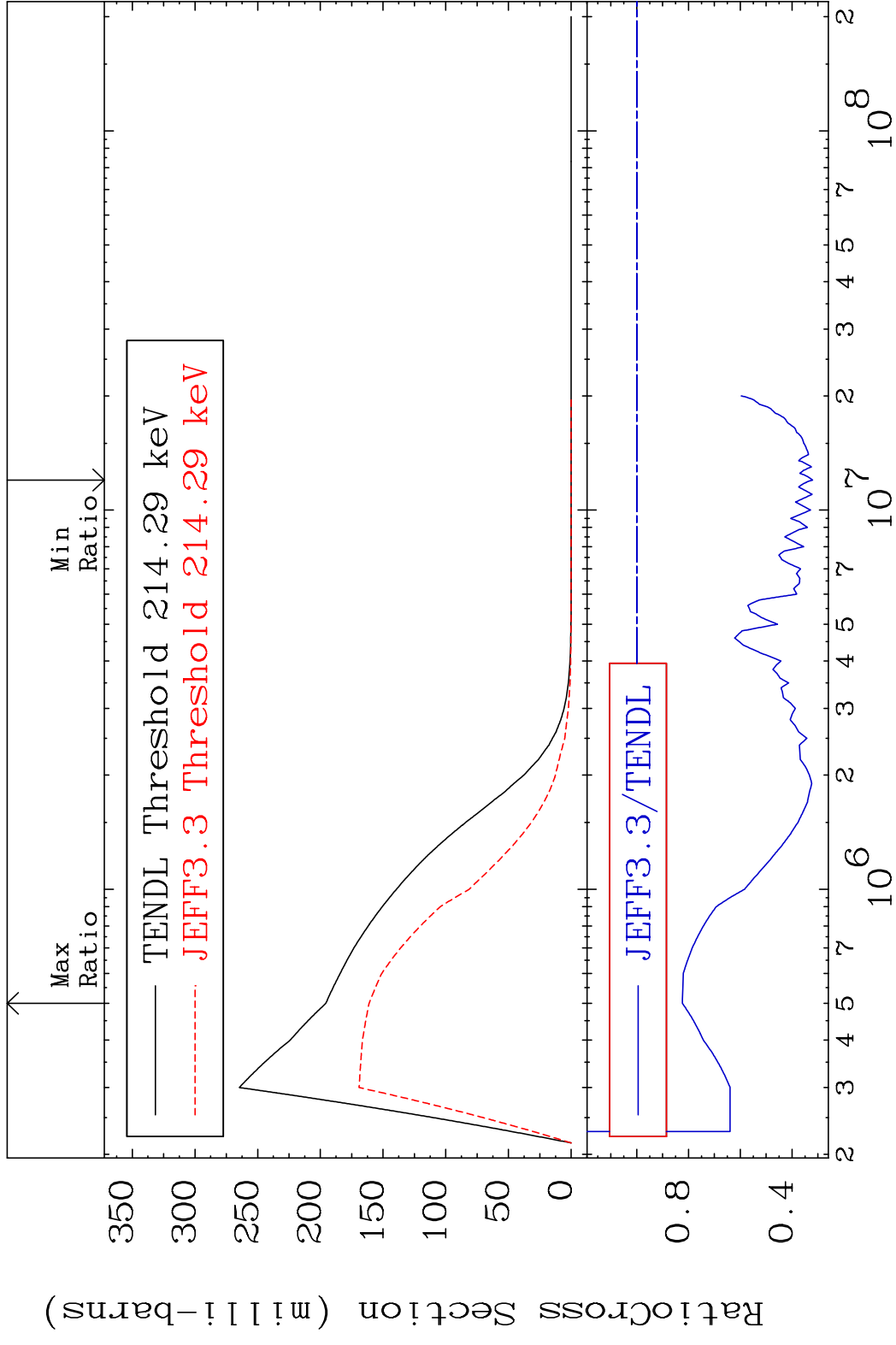
MAT 6640 MT= 57 (n, n') Level 66-Dy-161  
 Cross Section -40.46 To 5951. %



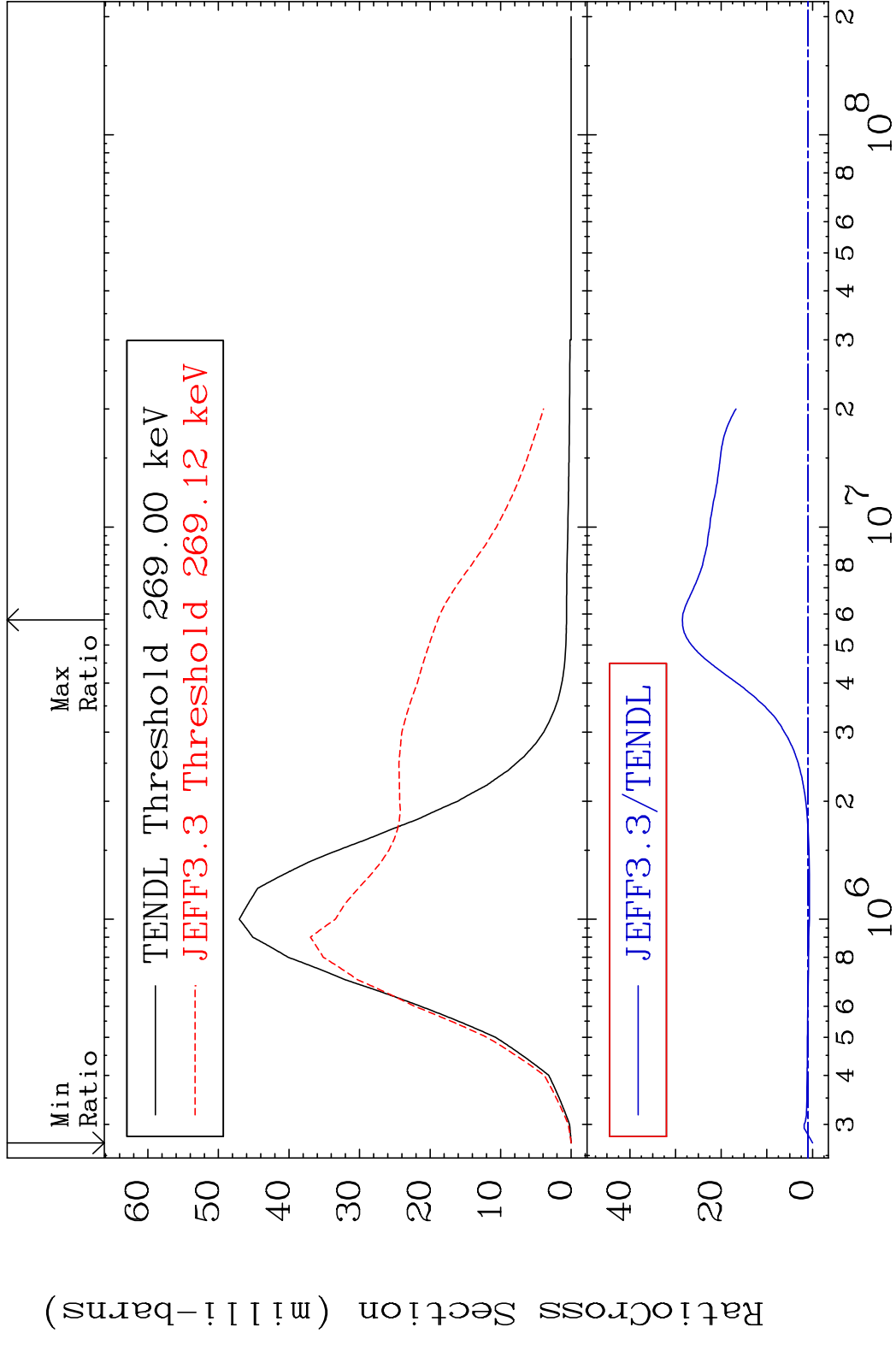
MAT 6640 MT= 58 (n,n') Level 66-Dy-161  
 Cross Section -100.0 To -18.97%



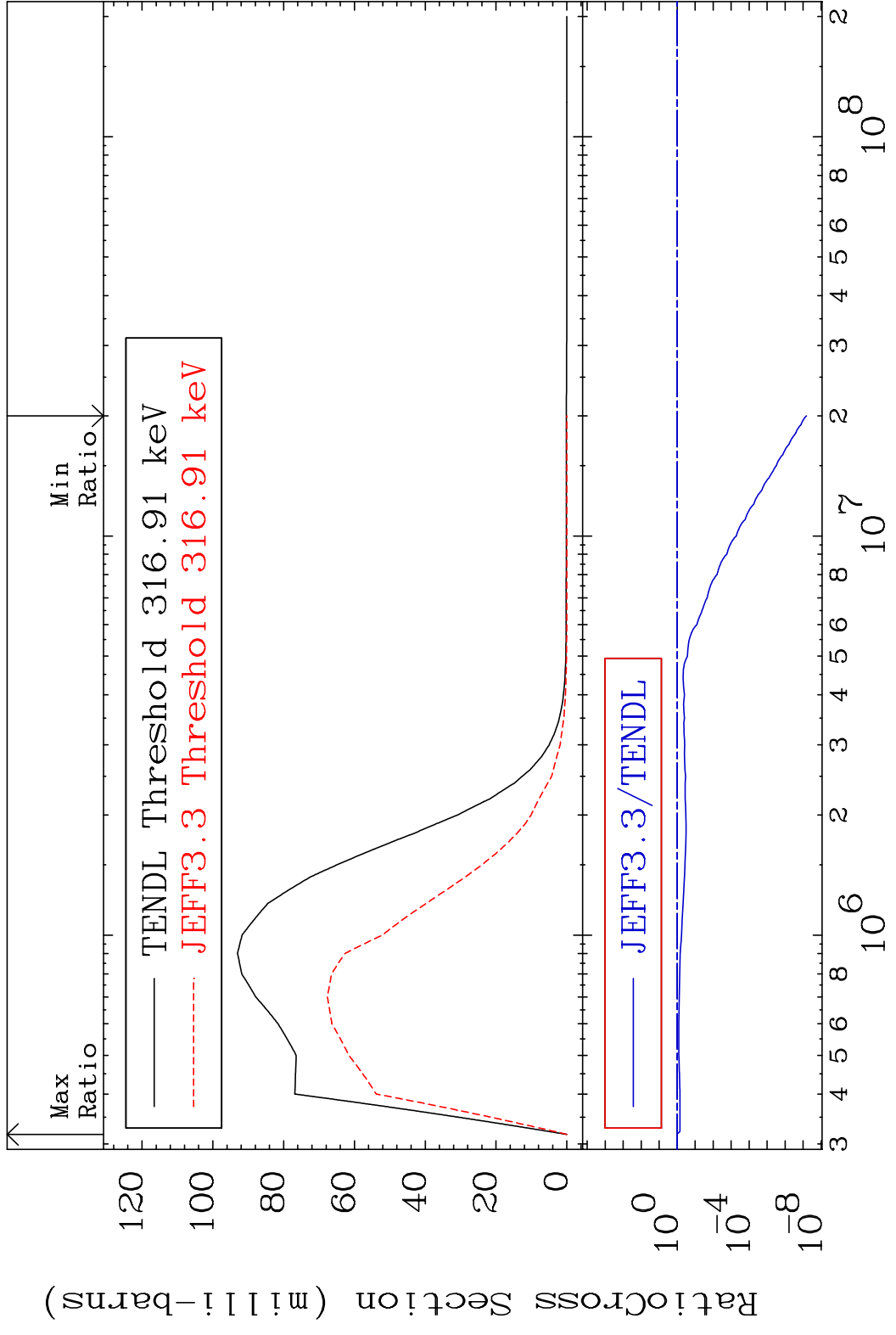
MAT 6640 MT= 59 (n, n') Level 66-Dy-161  
 Cross Section -67.92 To -17.63%



MAT 6640 MT= 60 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 2750. %

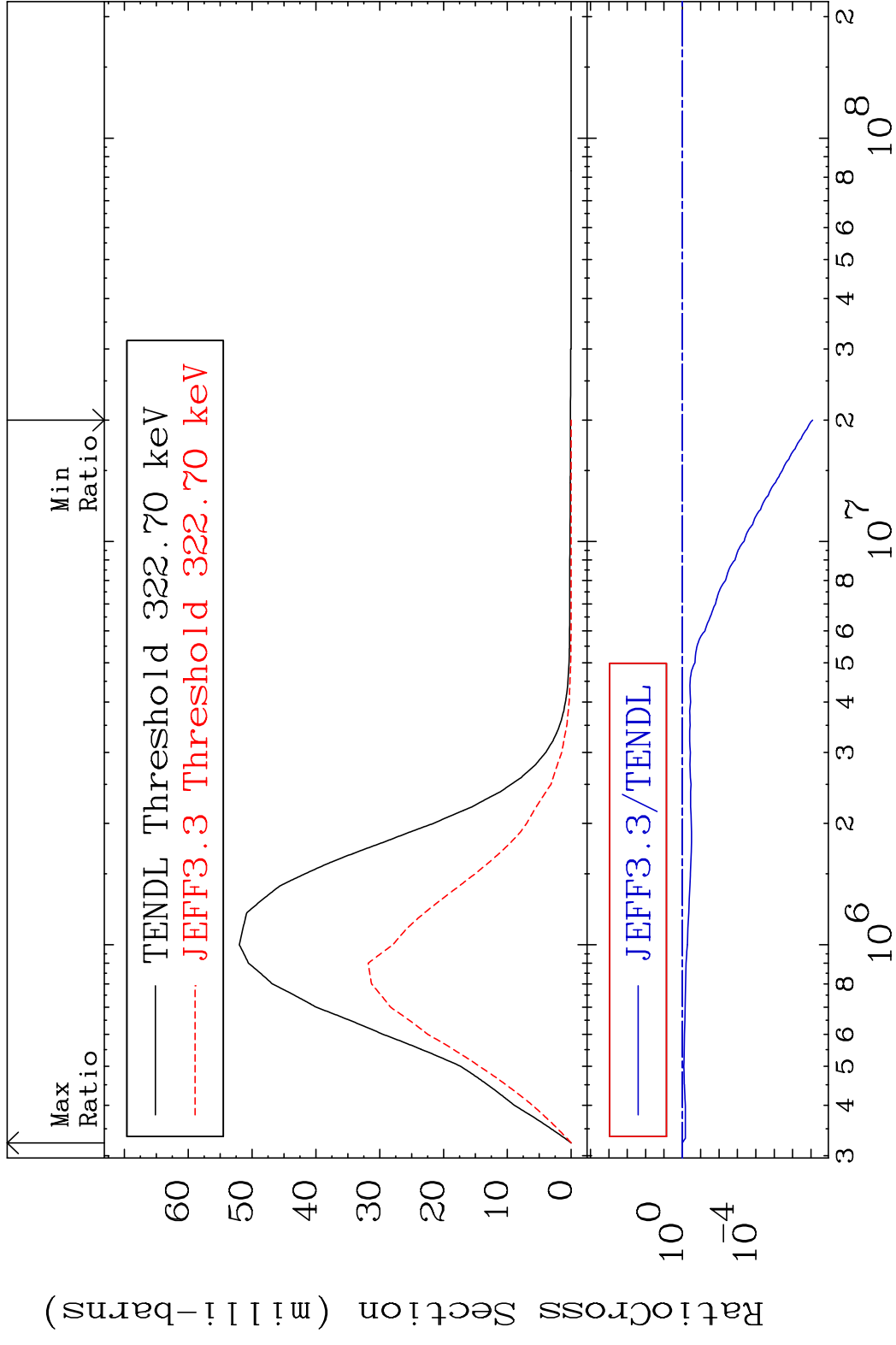


MAT 6640 MT= 61 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 0.000 %

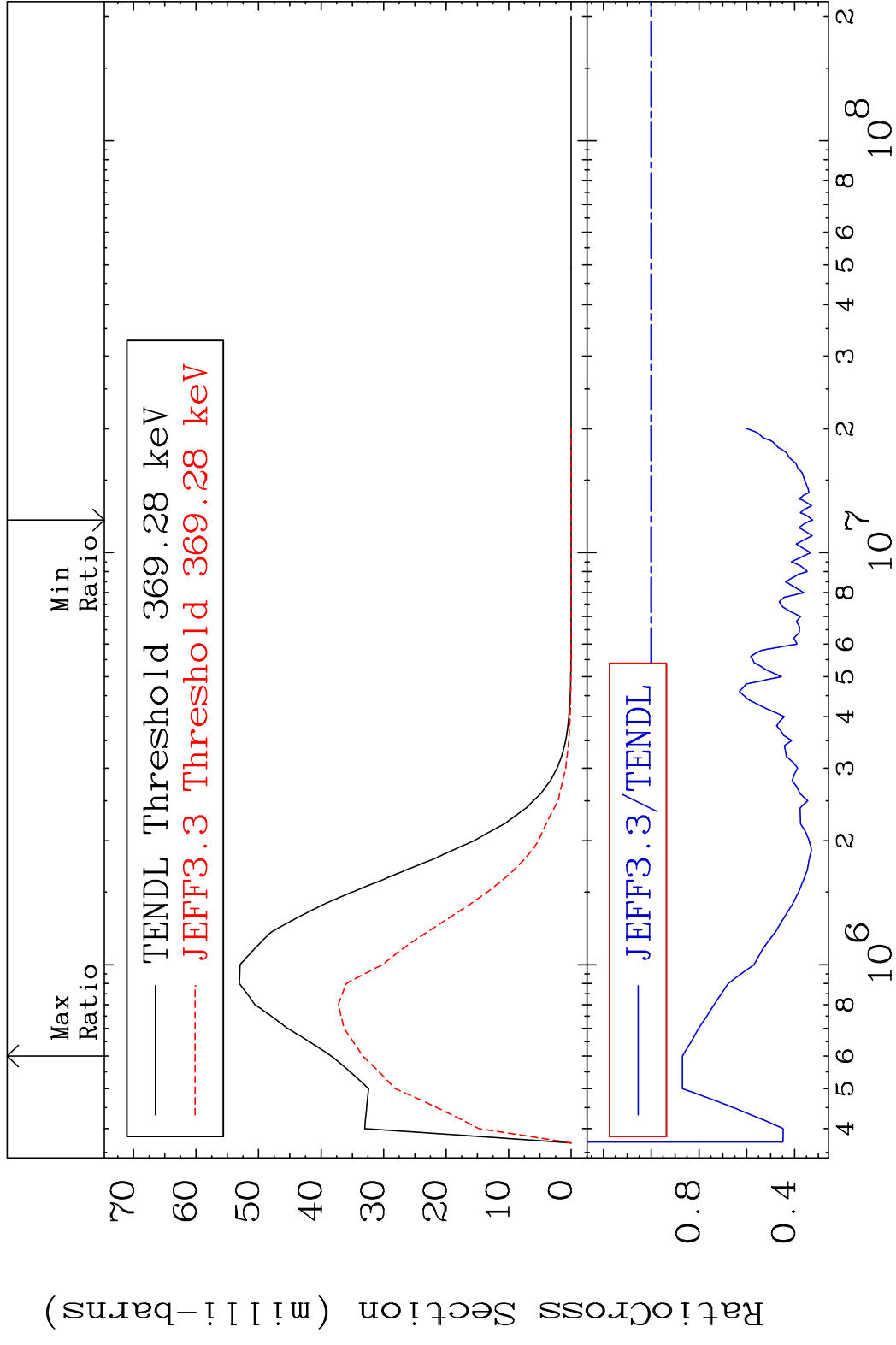


20 Incident Energy (eV) 66-Dy-161

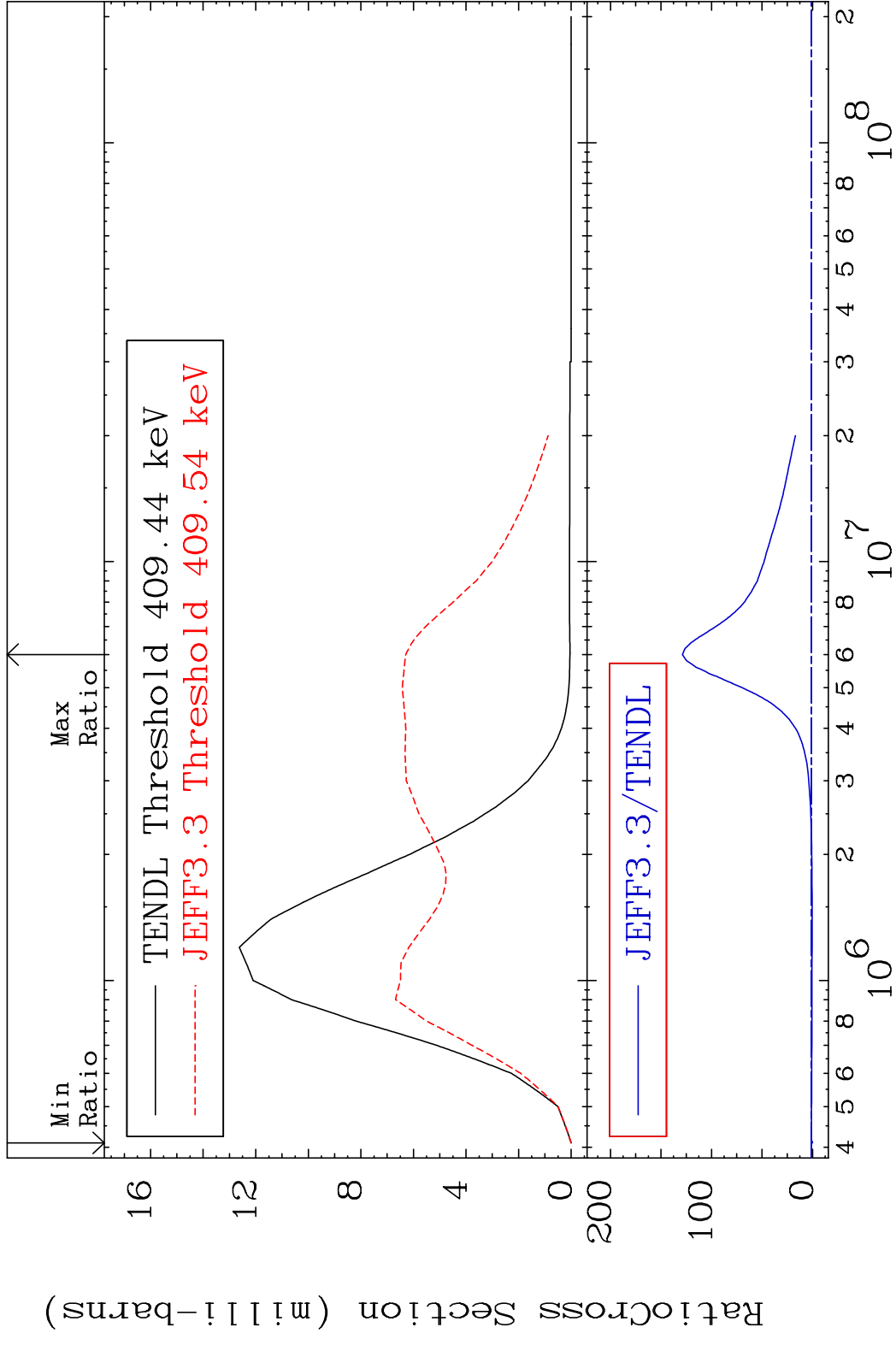
MAT 6640 MT= 62 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 0.000 %



MAT 6640 MT= 63 (n, n') Level 66-Dy-161  
 Cross Section -67.56 To -13.06%

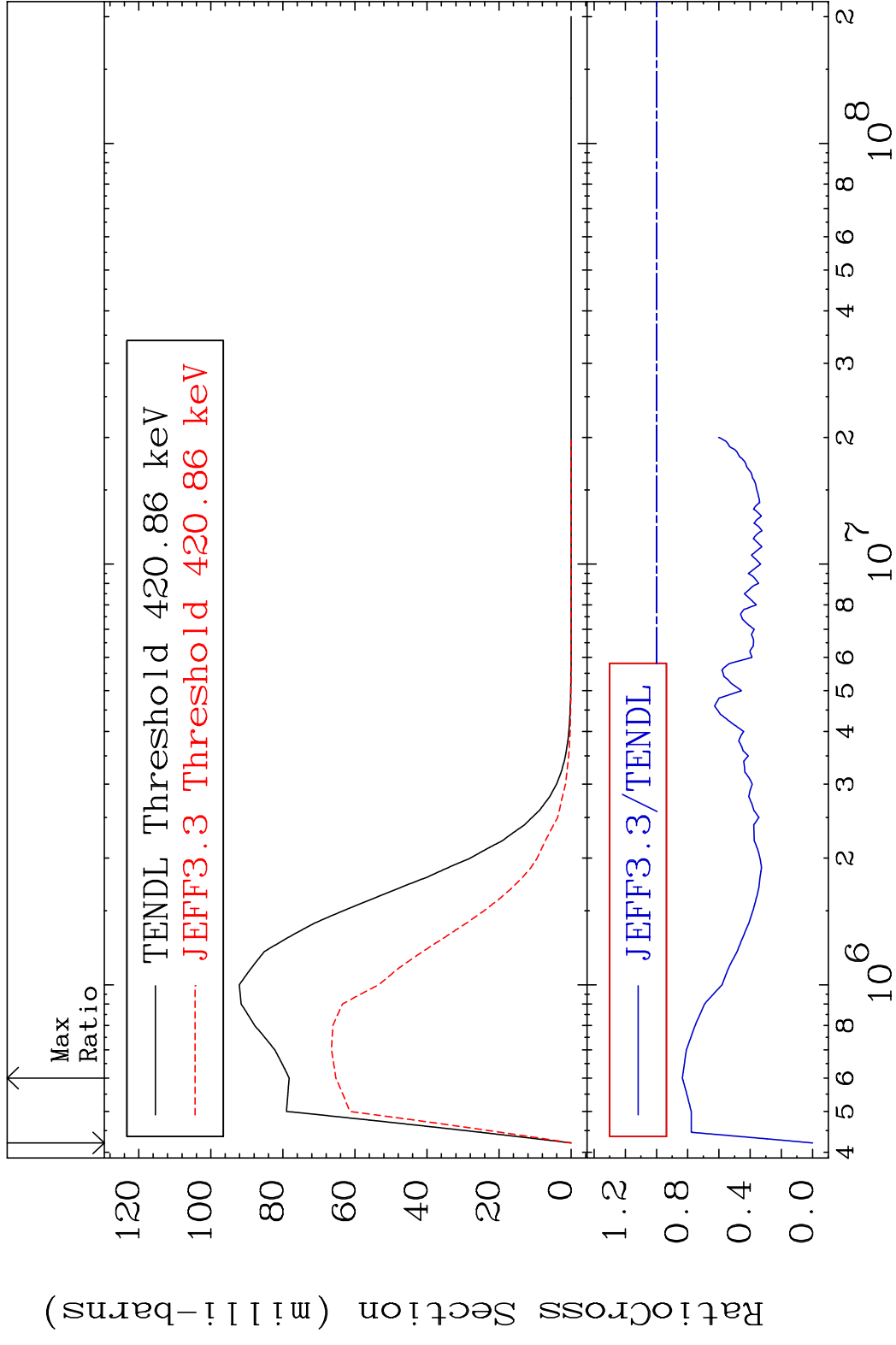


MAT 6640 MT= 64 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 9999. %

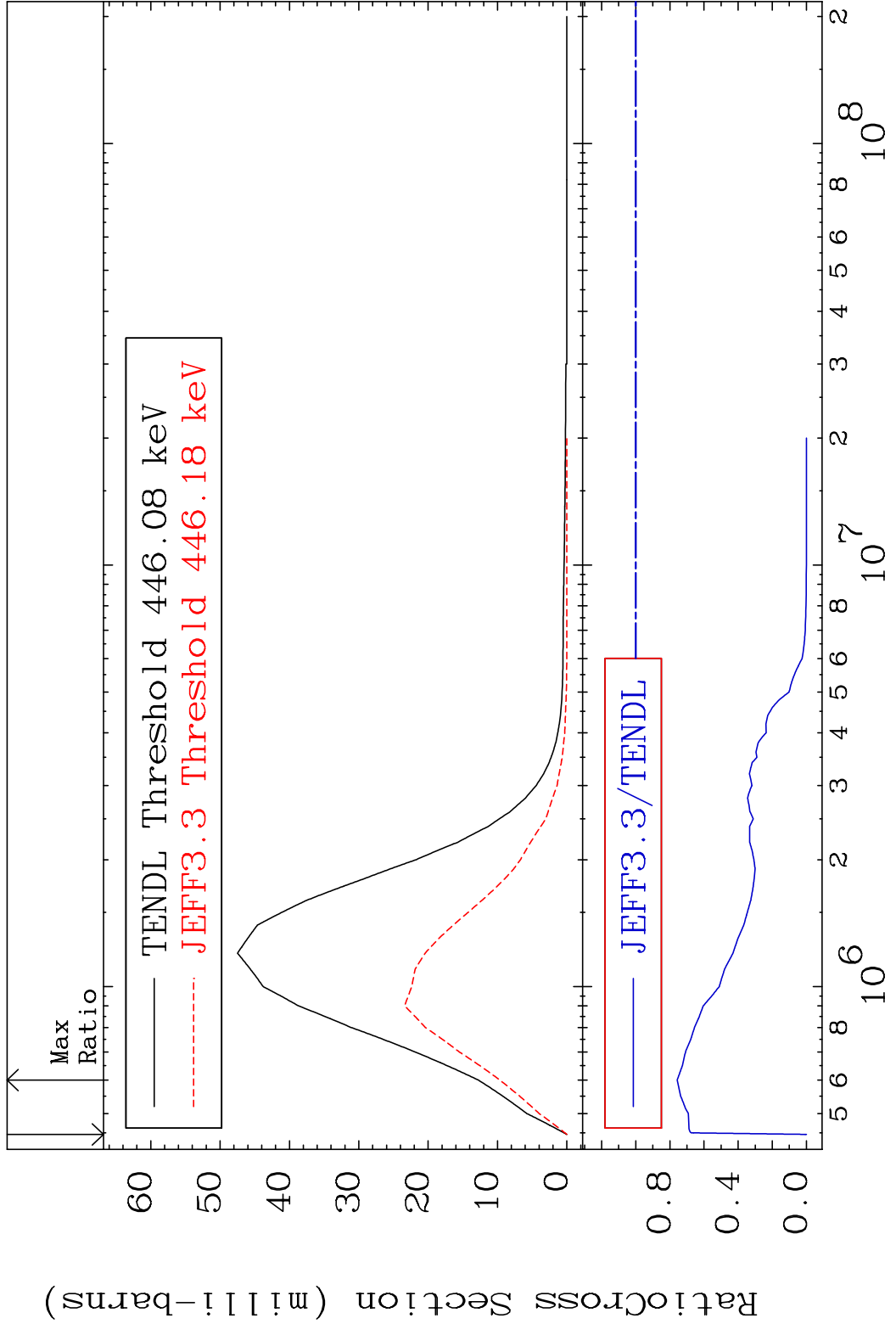




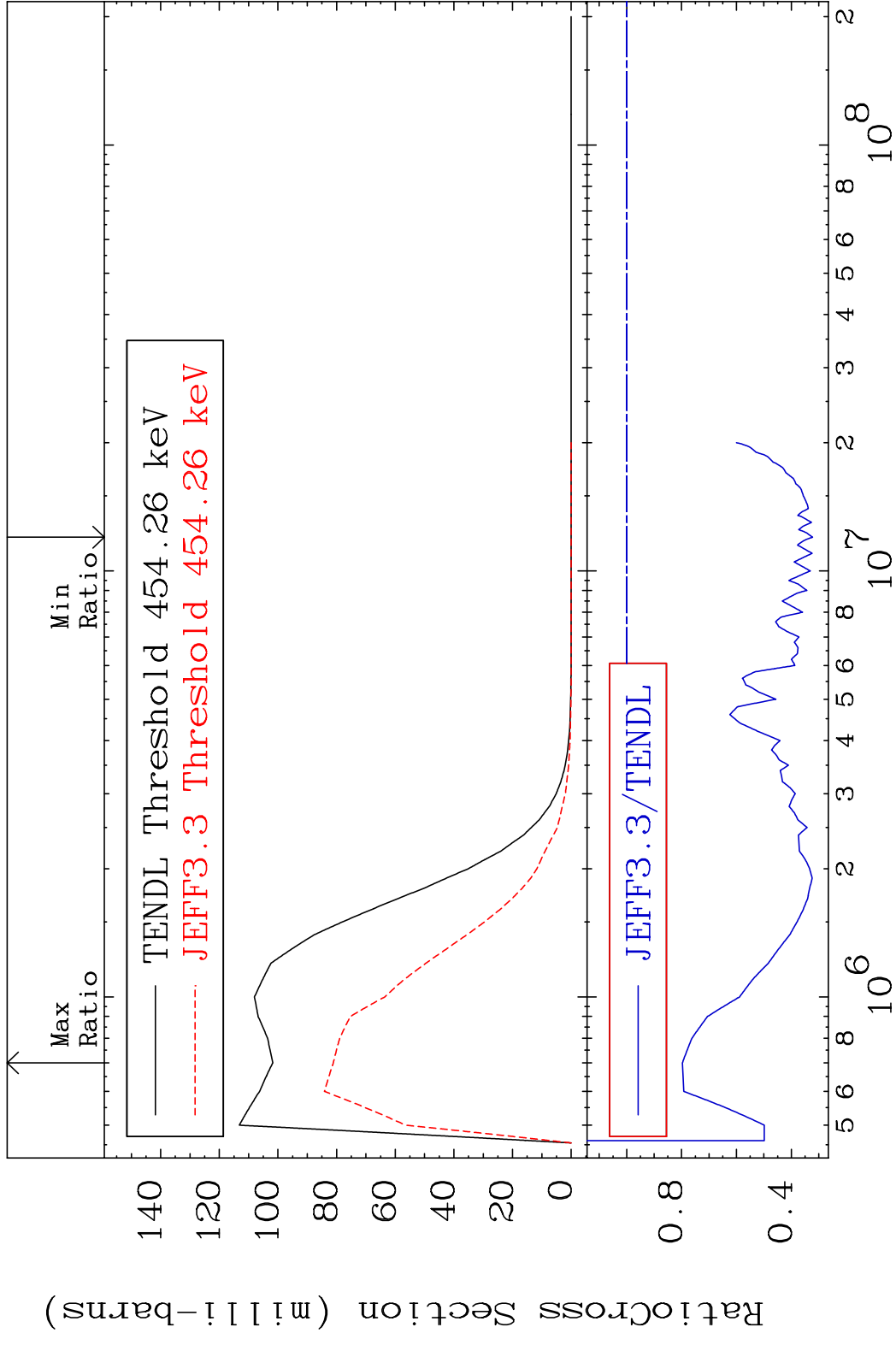
MAT 6640 MT= 65 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To -16.55%



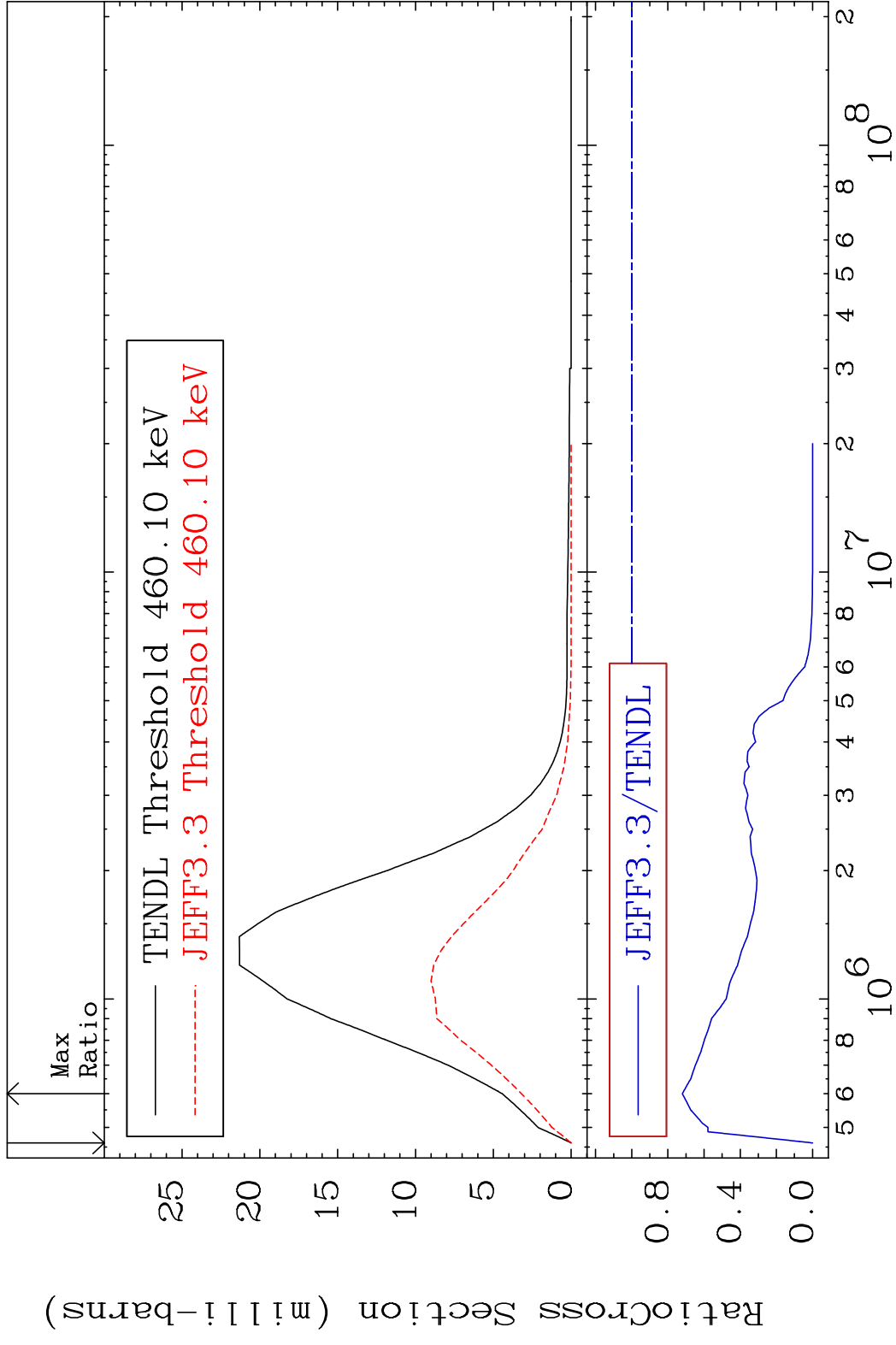
MAT 6640 MT= 66 (n,n') Level 66-Dy-161  
 Cross Section -100.0 To -24.28%



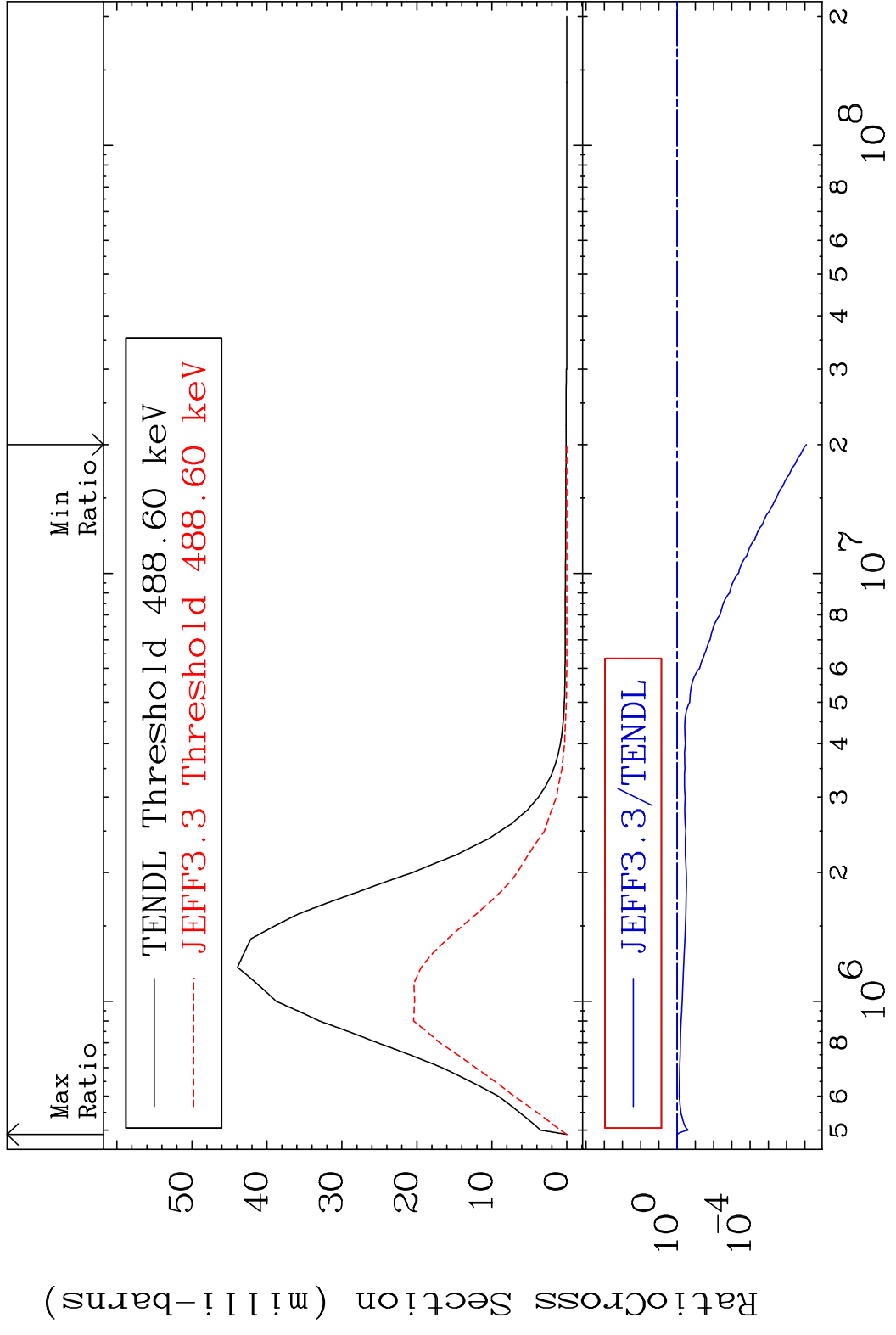
MAT 6640 MT= 67 (n, n') Level 66-Dy-161  
 Cross Section -67.74 To -20.29%



MAT 6640 MT= 68 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To -27.99%



MAT 6640 MT= 69 (n, n') Level 66-Dy-161  
 Cross Section -100.0 To 0.000 %

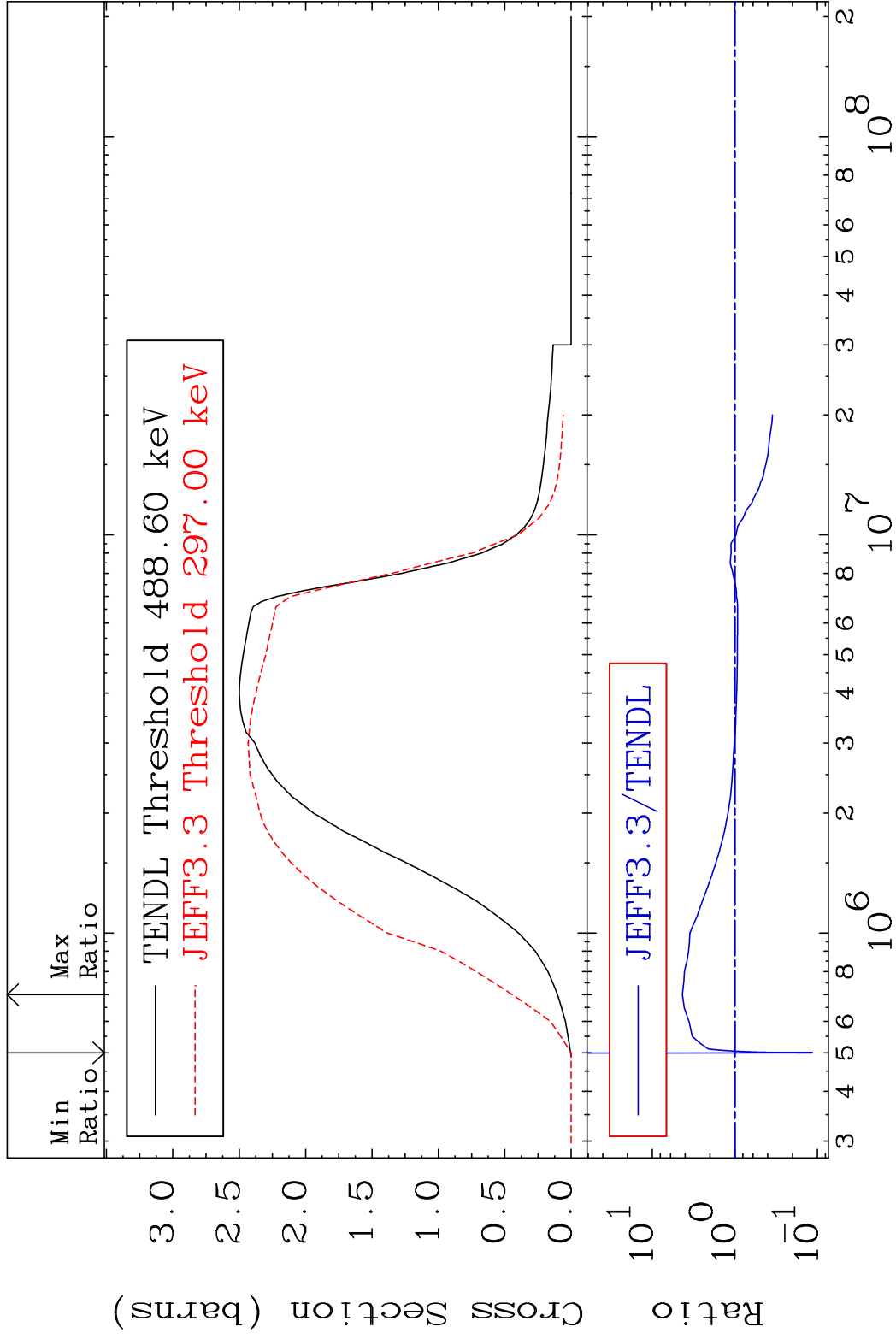


MAT 6640

(n,n') Continuum

66-Dy-161

Cross Section -88.59 To 332.6 %



29

Incident Energy (eV)

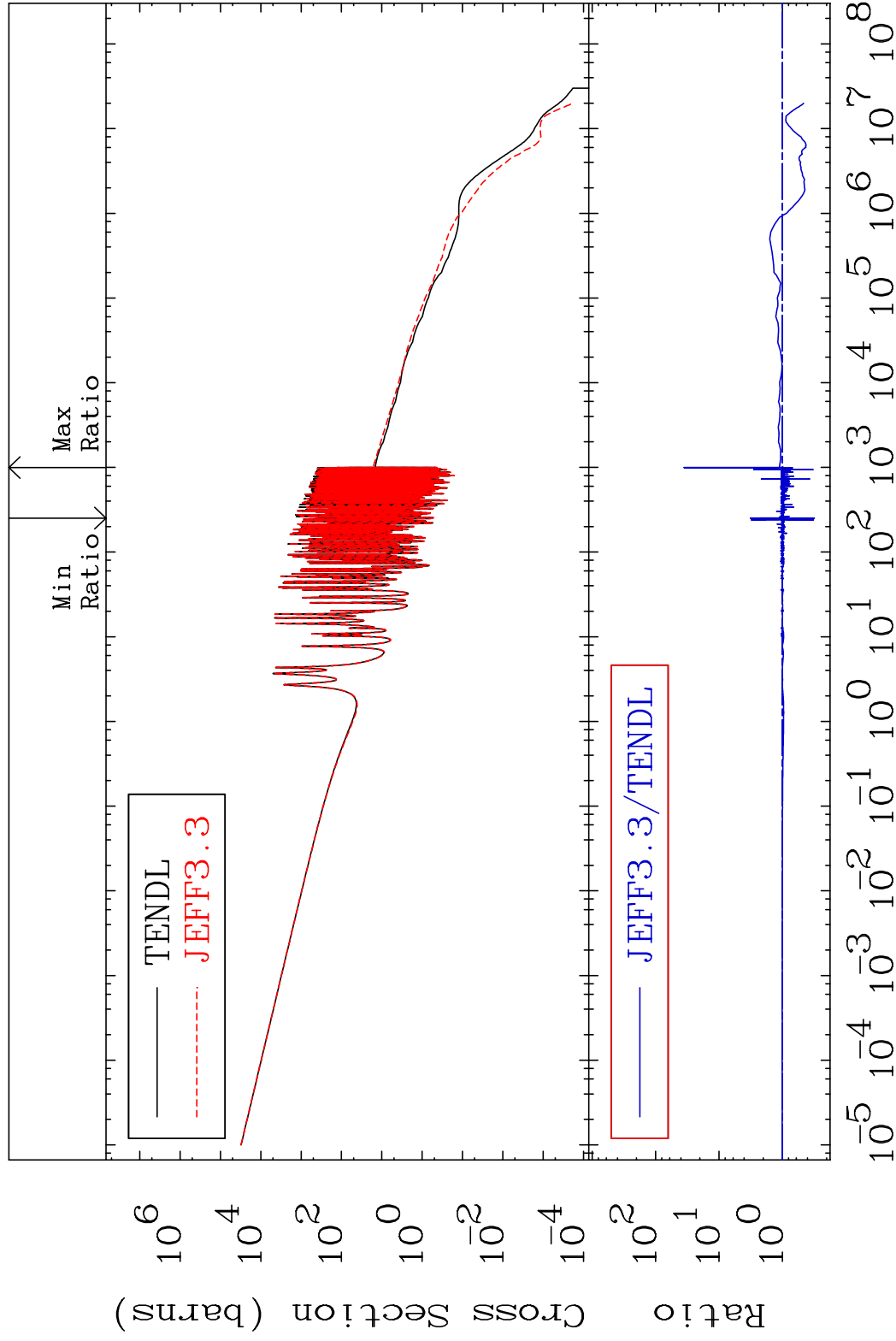
66-Dy-161

MAT 6640

(n,  $\gamma$ )

66-Dy-161

Cross Section -68.67 To 3455. %



30

Incident Energy (eV)

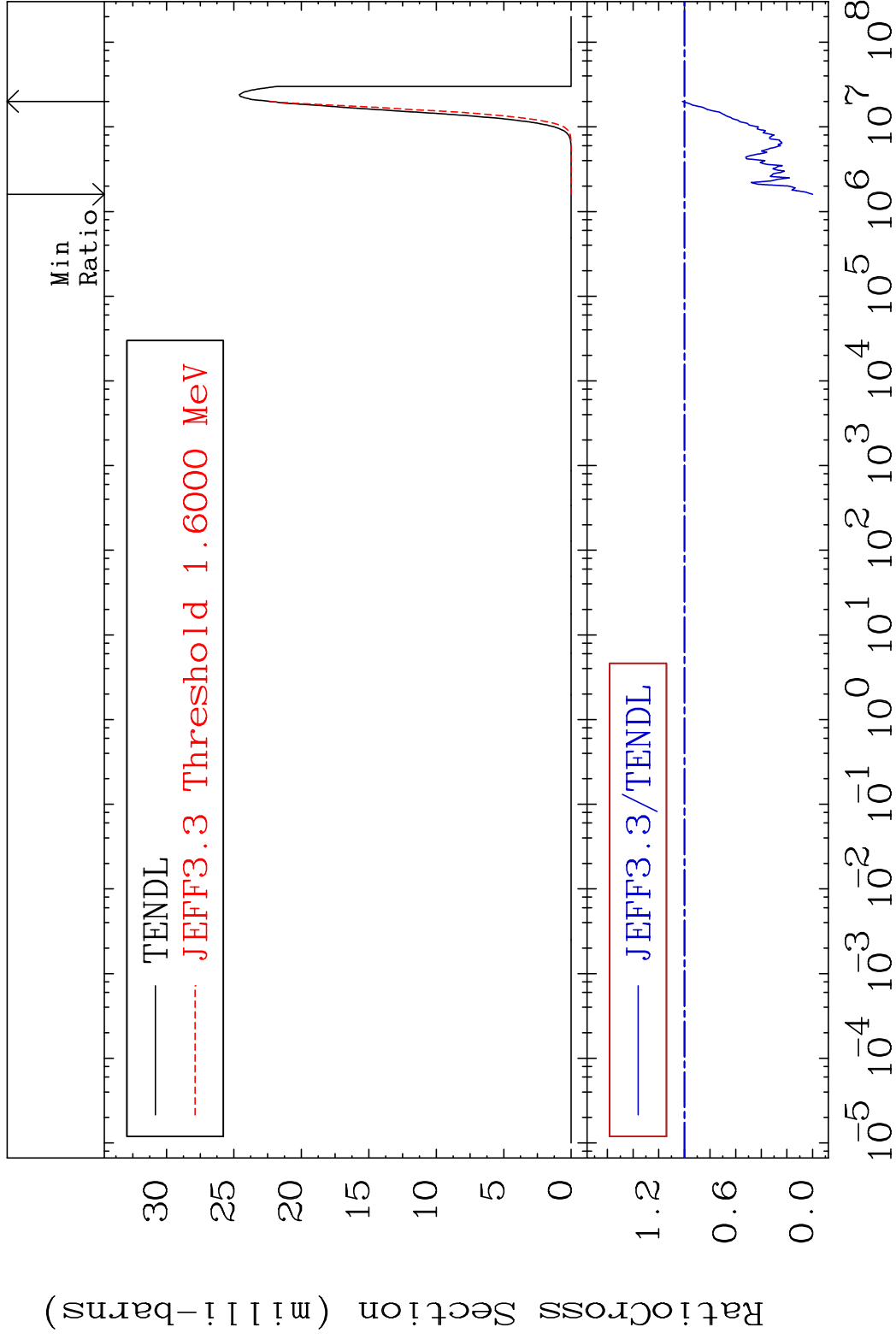
66-Dy-161

MAT 6640

(n, p)

66-Dy-161

Cross Section -100.0 To 1.571 %



31

Incident Energy (eV)

66-Dy-161

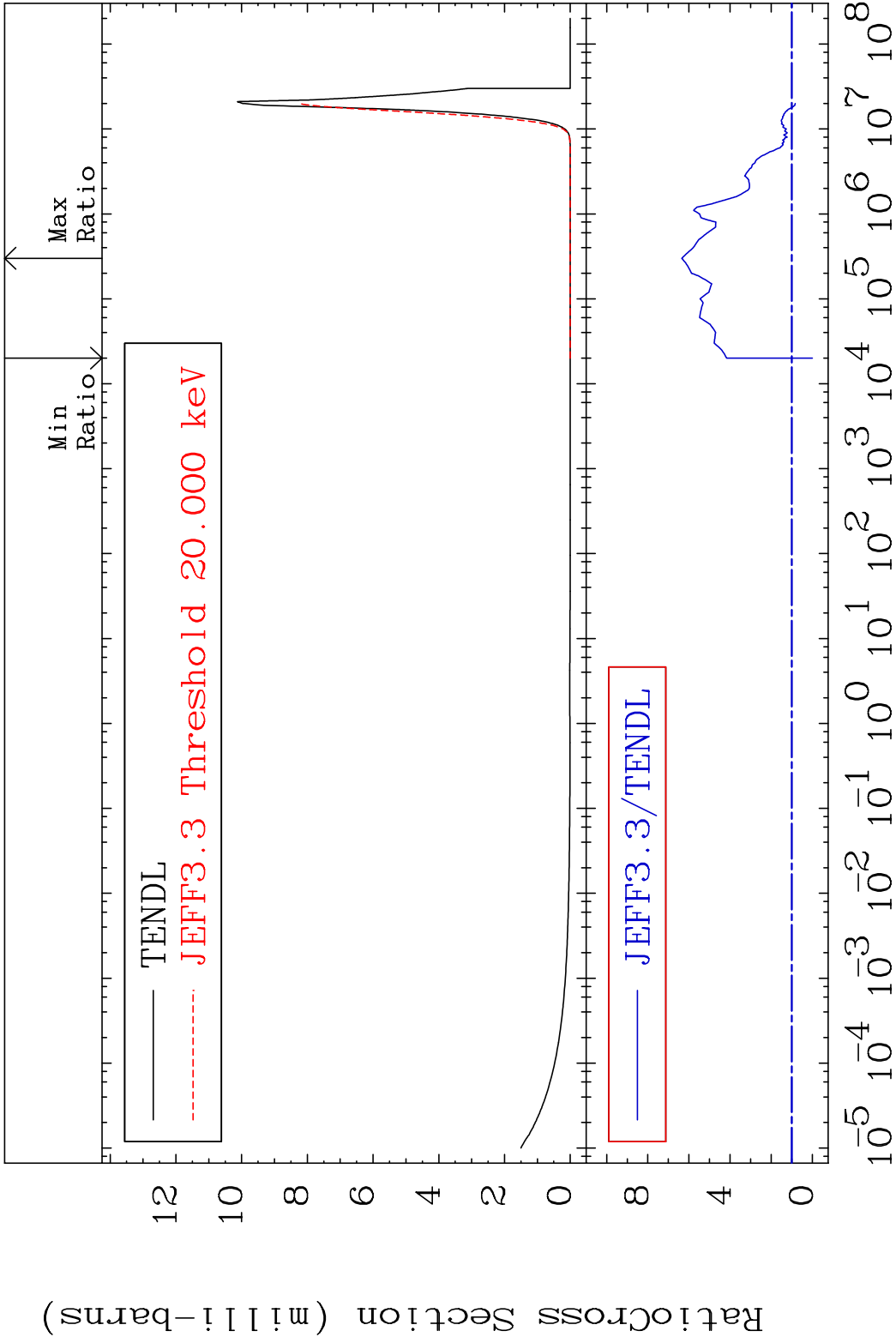


MAT 6640

(n,  $\alpha$ )

66-Dy-161

Cross Section -100.0 To 534.9 %



32

Incident Energy (eV)

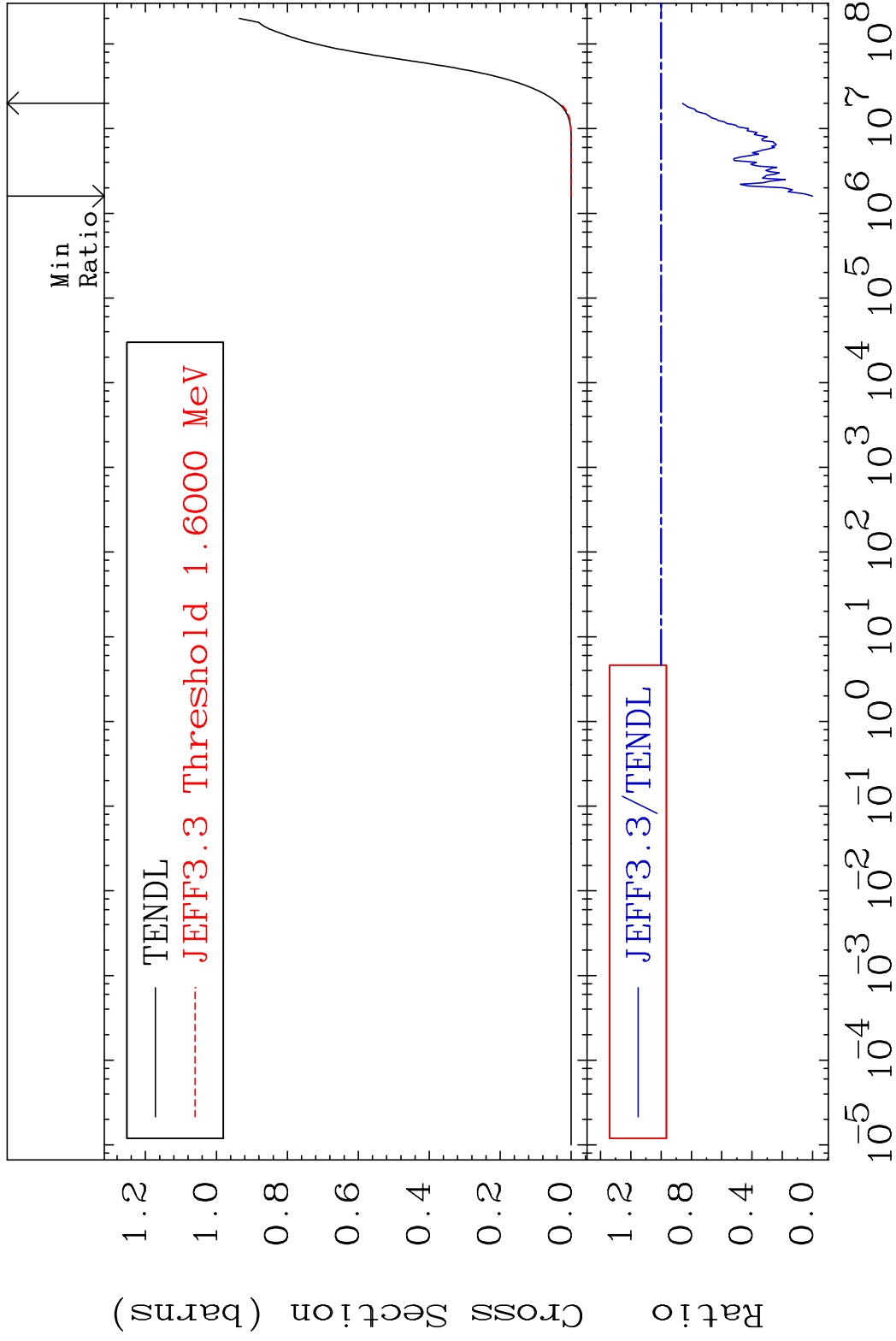
66-Dy-161

MAT 6640

Hydrogen Production

66-Dy-161

Cross Section -100.0 To -14.02%



33

Incident Energy (eV)

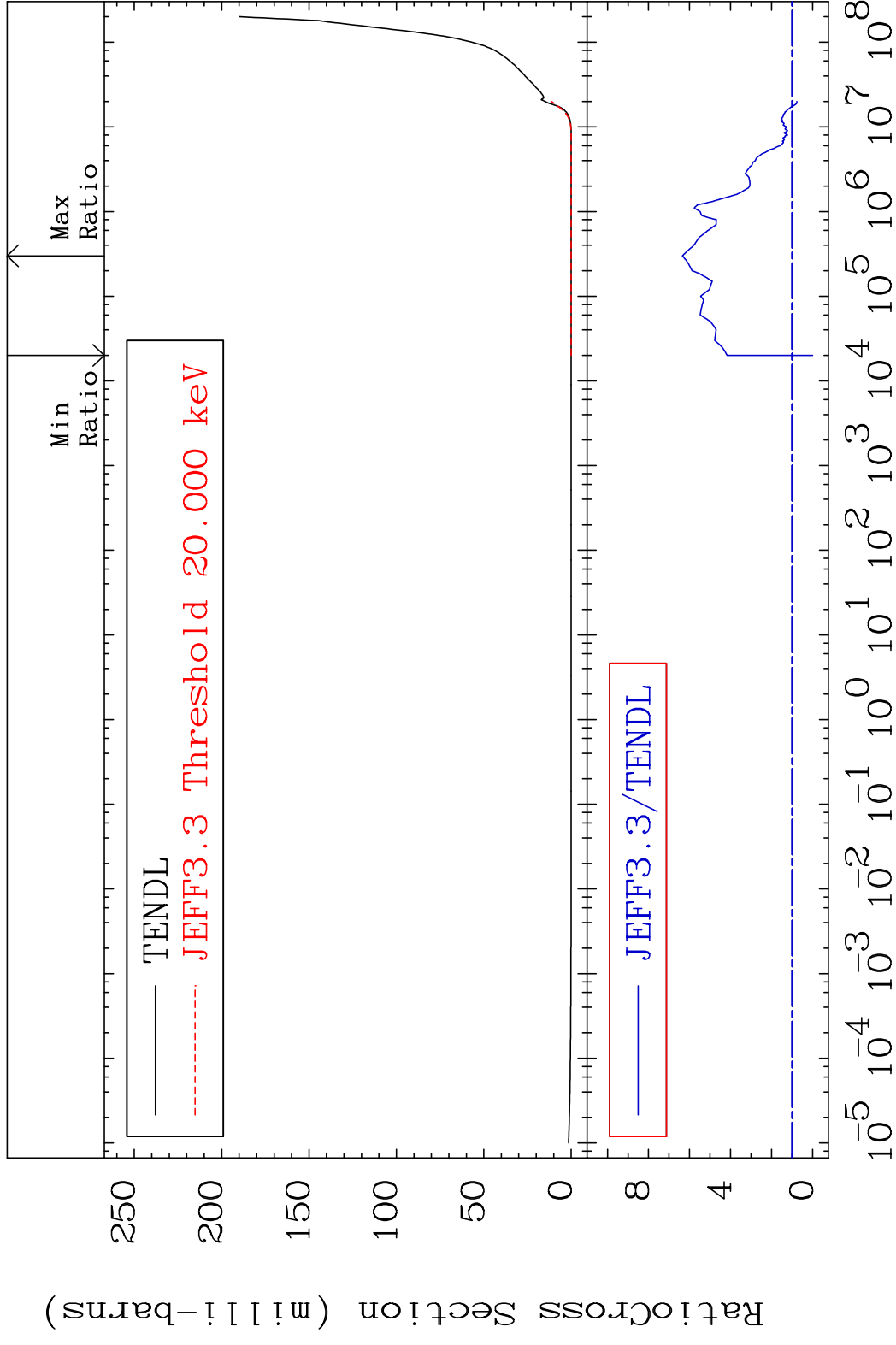
66-Dy-161

MAT 6640

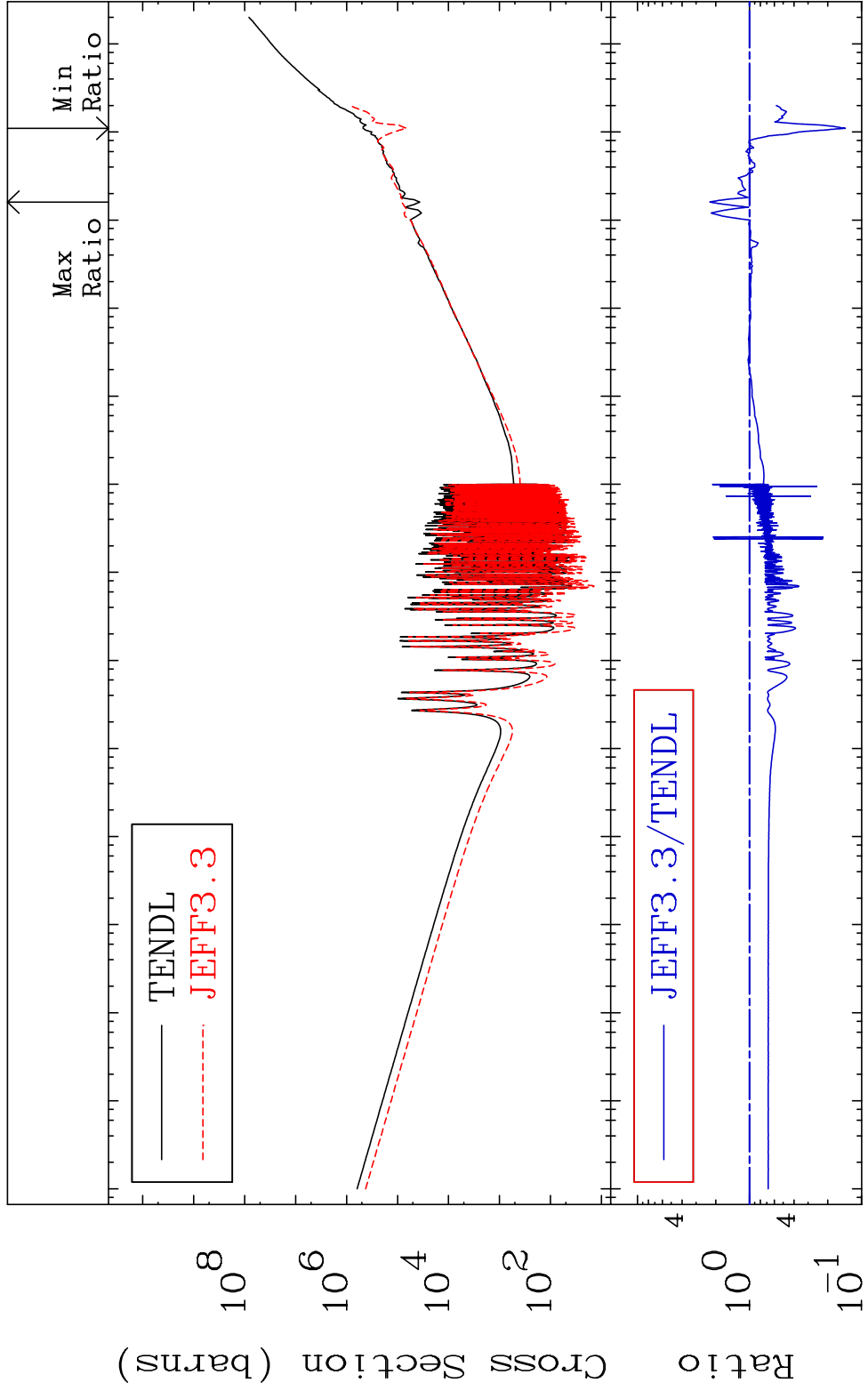
He-4 Production

66-Dy-161

Cross Section -100.0 To 534.9 %

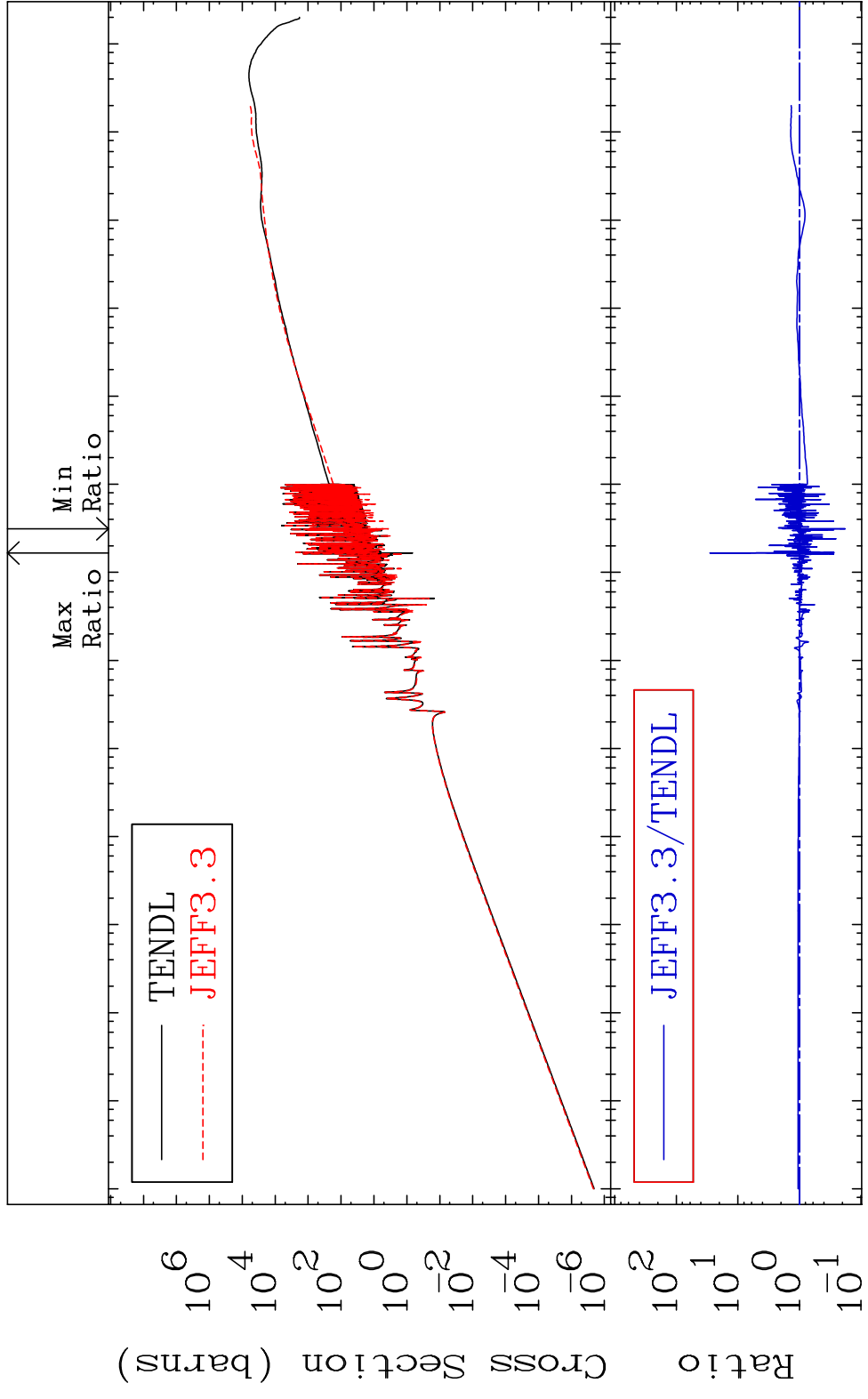


MAT 6640 Kerma total (eV-barns) 66-Dy-161  
 Cross Section -86.07 To 126.1 %

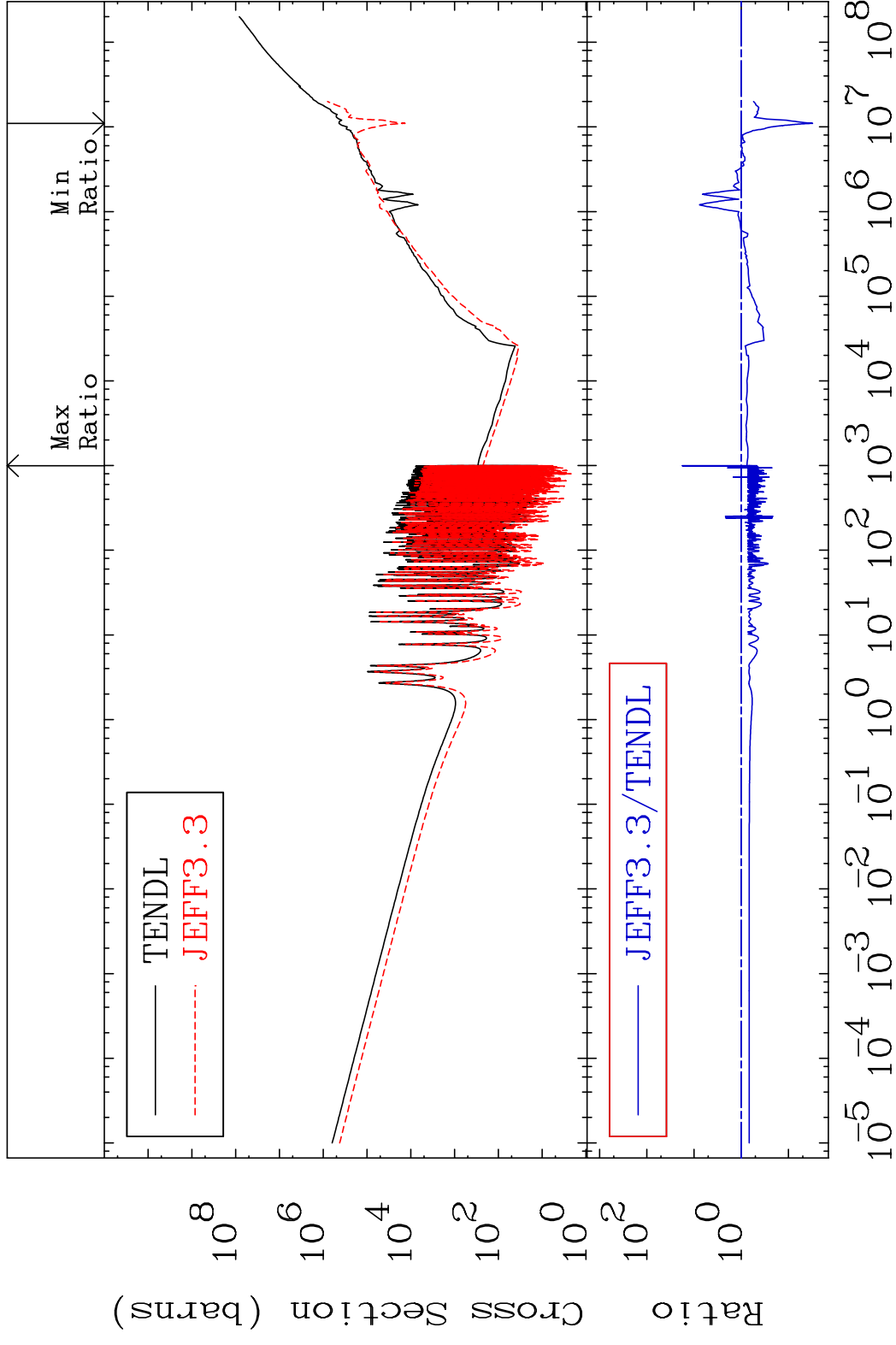


35 Incident Energy (eV) 66-Dy-161

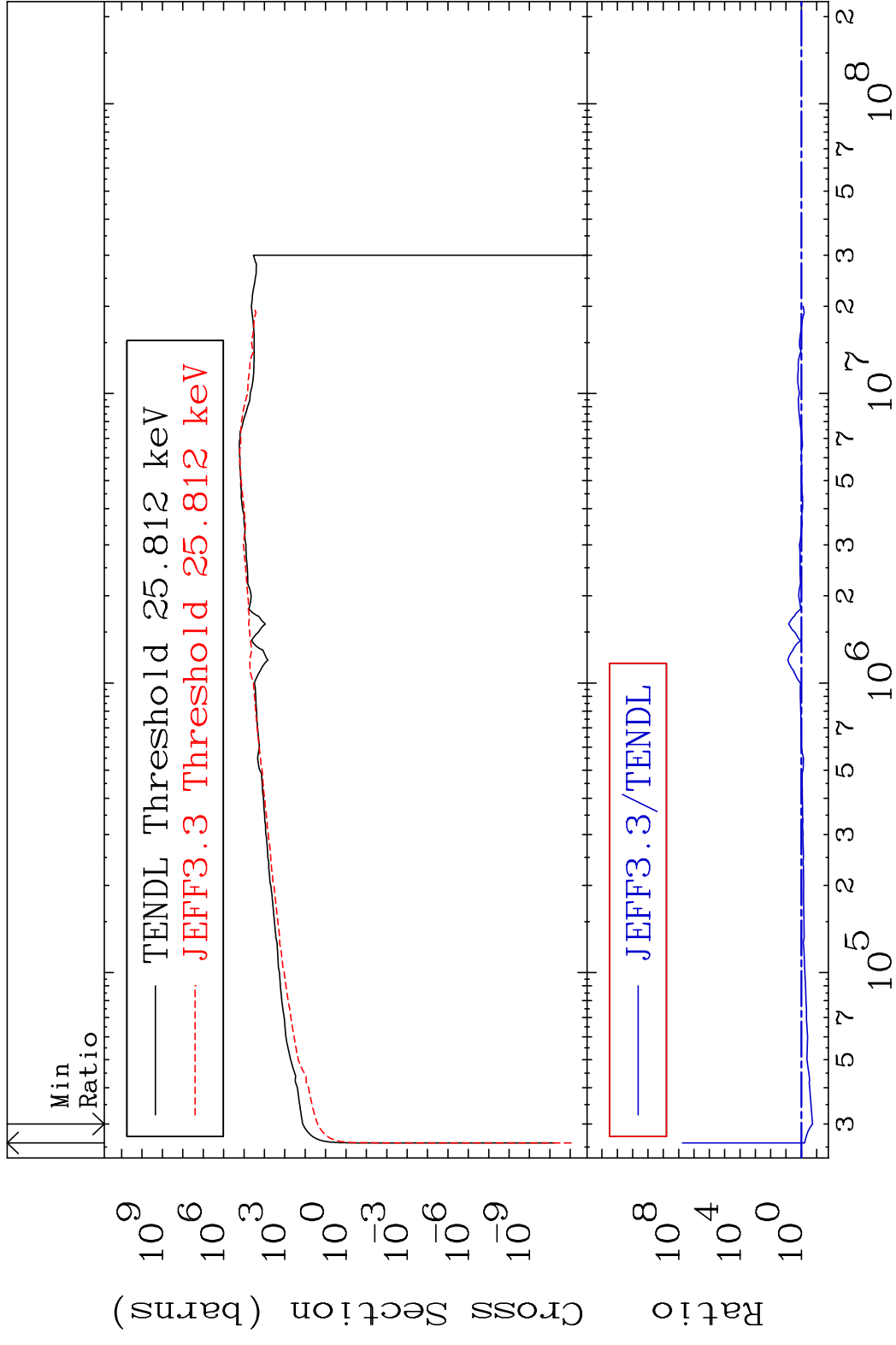
MAT 6640      Kerma elastic      66-Dy-161  
 Cross Section      -81.95 To 2764. %



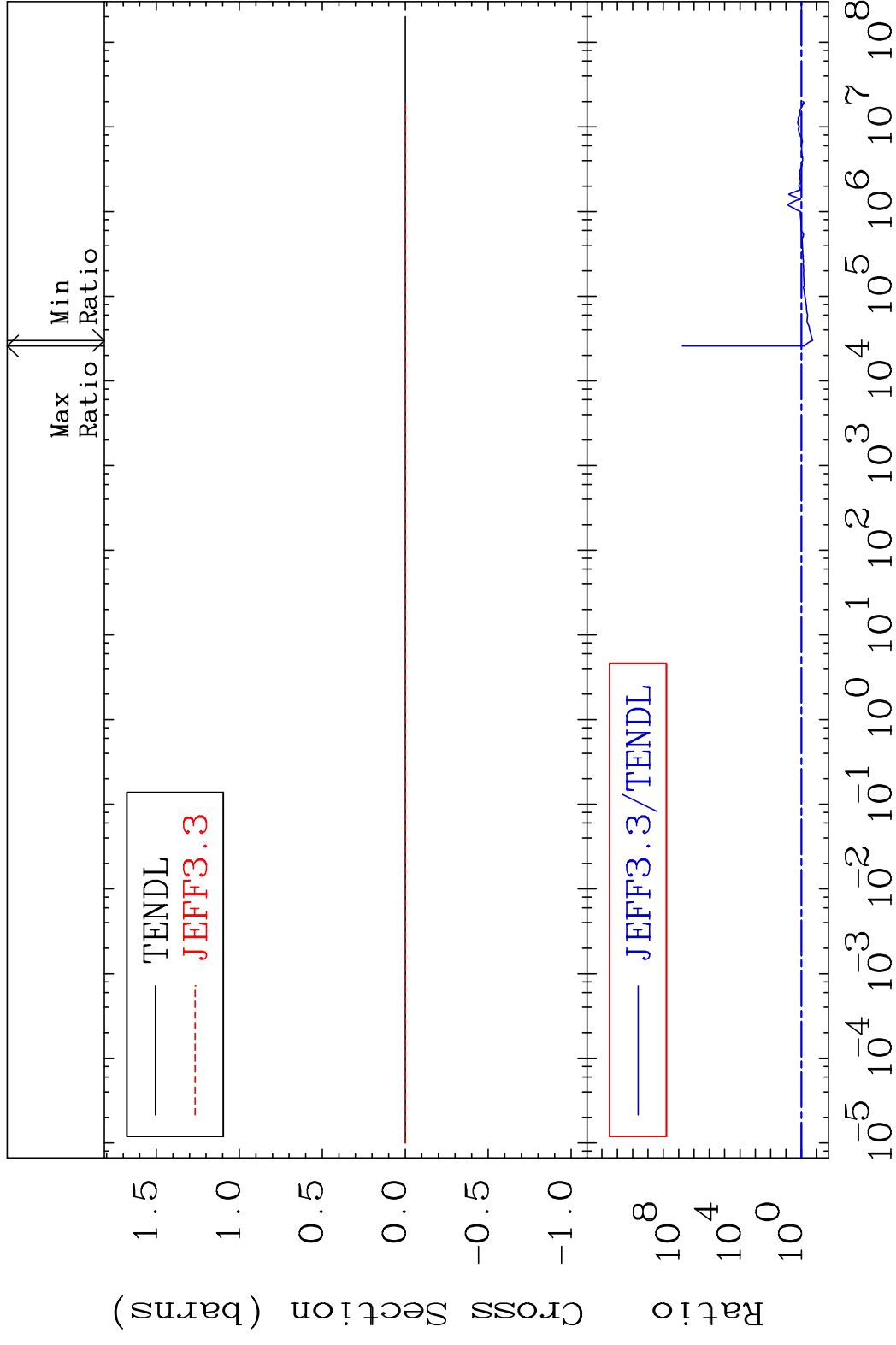
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161  
 Cross Section -96.91 To 1665. %



MAT 6640 Kerma inelastic (mt51-91) 66-Dy-161  
 Cross Section -81.48 To 9999. %



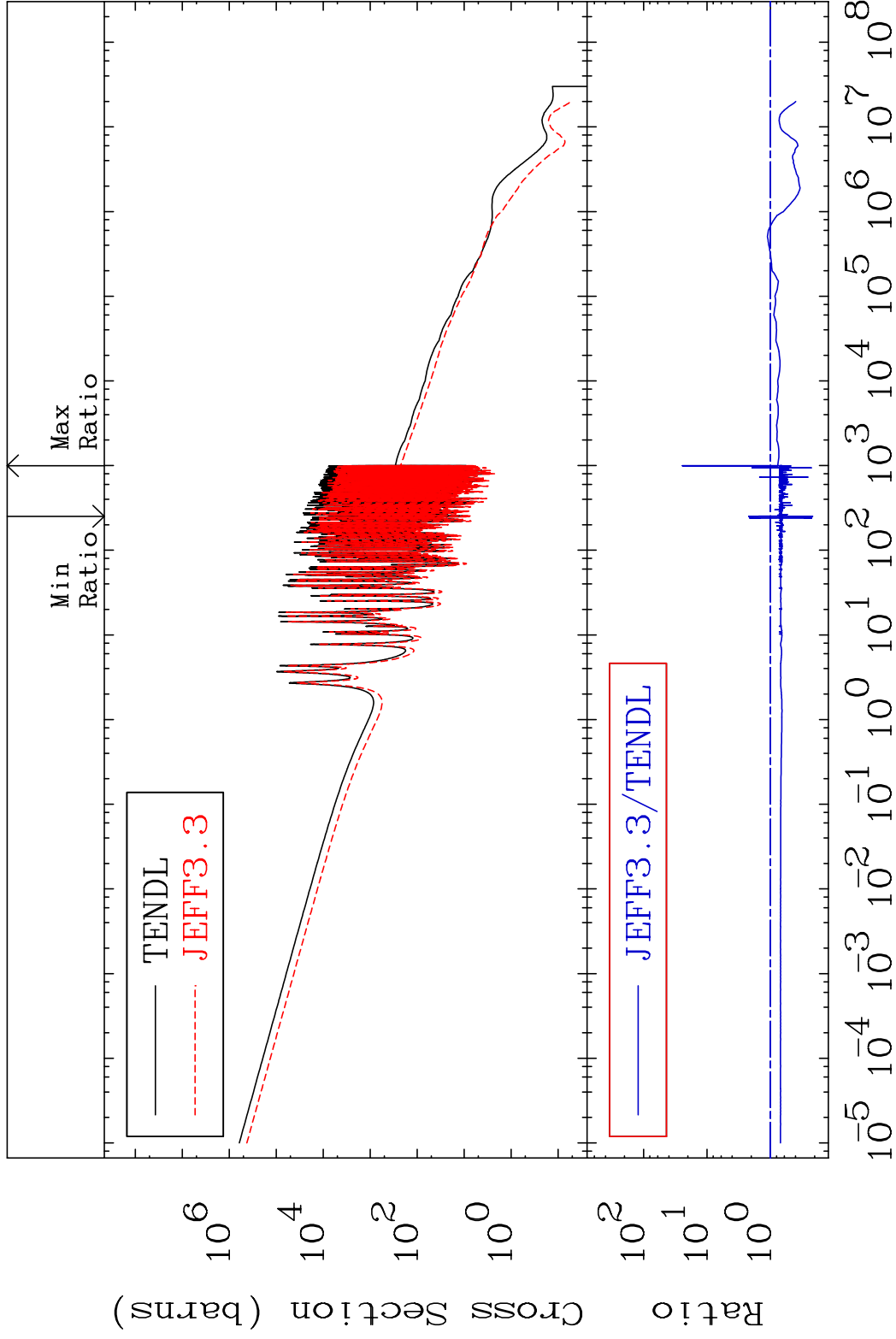
MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161  
 Cross Section -81.48 To 9999. %





MAT 6640

Kerma capture (mt102) 66-Dy-161  
Cross Section -78.42 To 2348. %

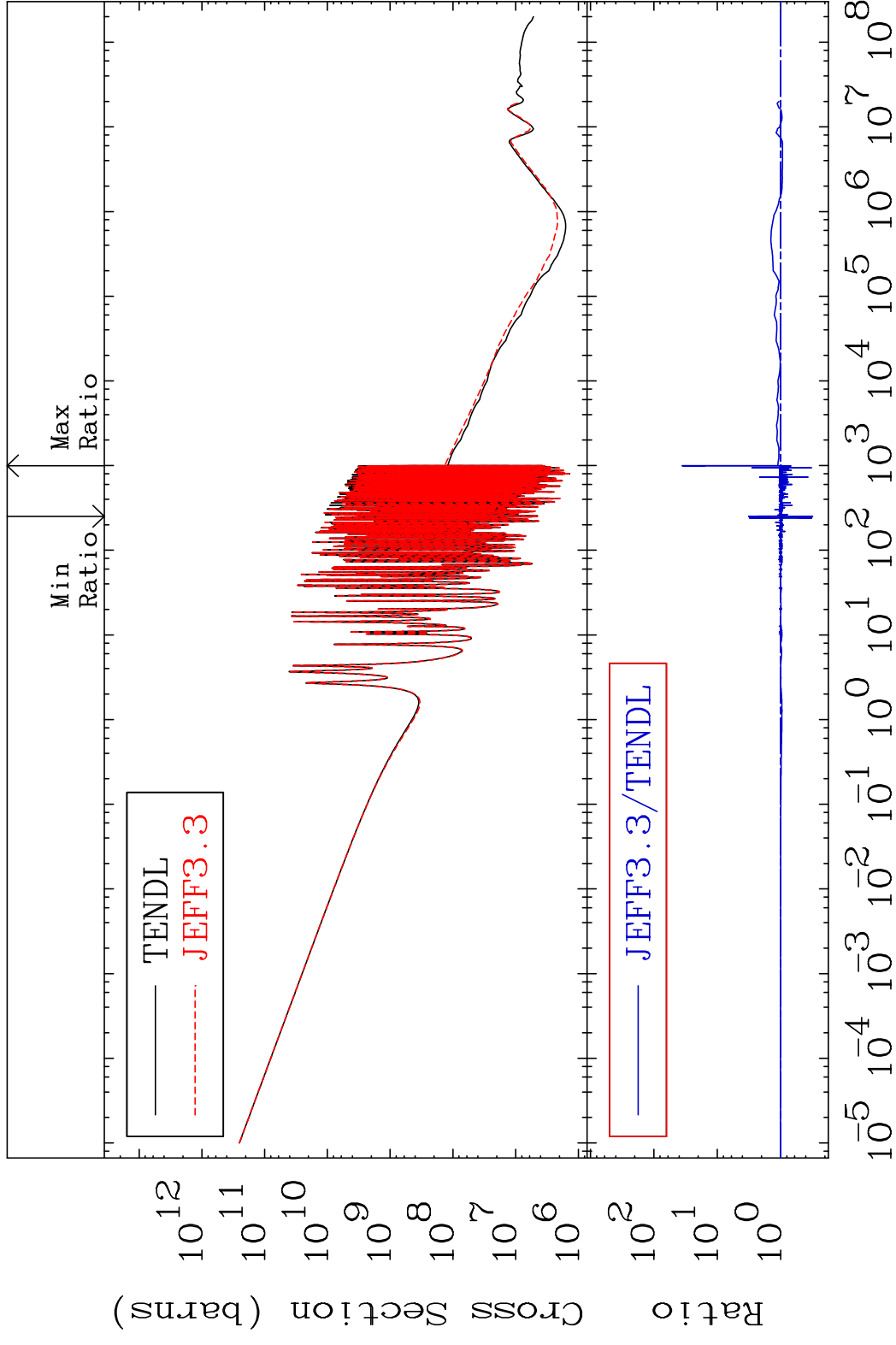


40

Incident Energy (eV)

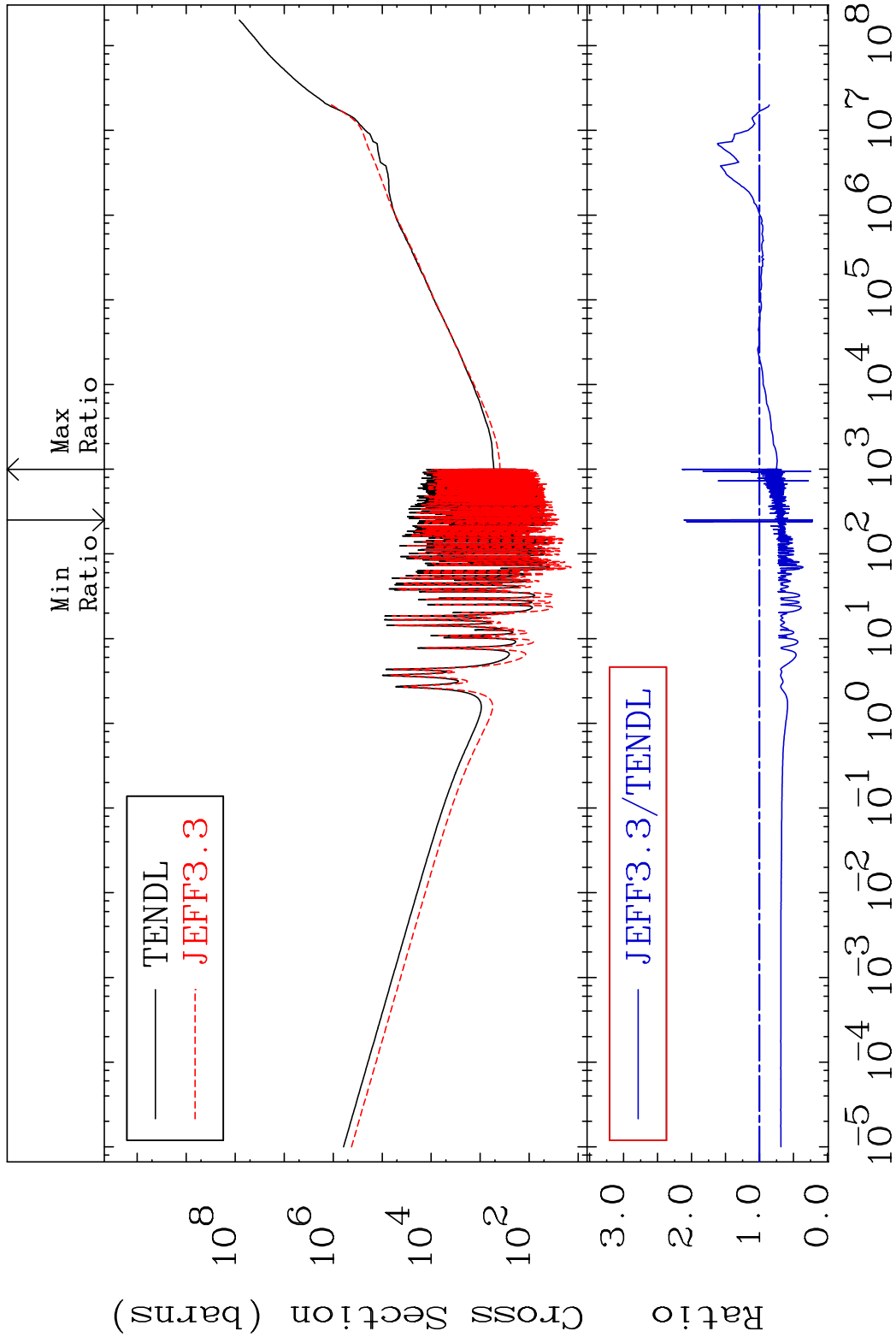
66-Dy-161

MAT 6640 Total photon (eV-barns) 66-Dy-161  
 Cross Section -68.67 To 3455. %

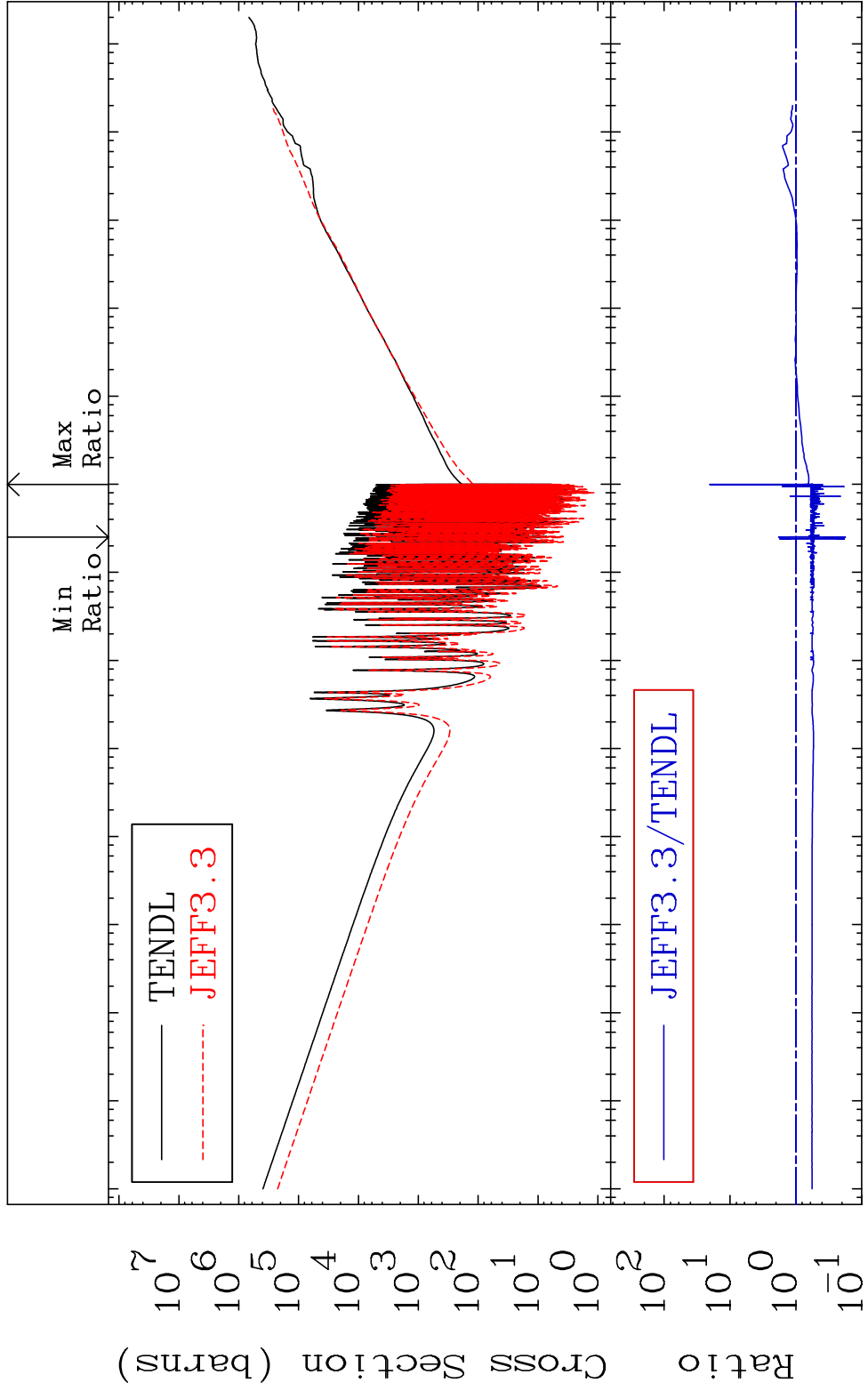


41 Incident Energy (eV) 66-Dy-161

MAT 6640 Total kinematic kerma (high limit) 66-Dy-161  
 Cross Section -78.04 To 113.5 %



MAT 6640      Dpa total (eV-barns)      66-Dy-161  
 Cross Section      -82.22 To 1925. %



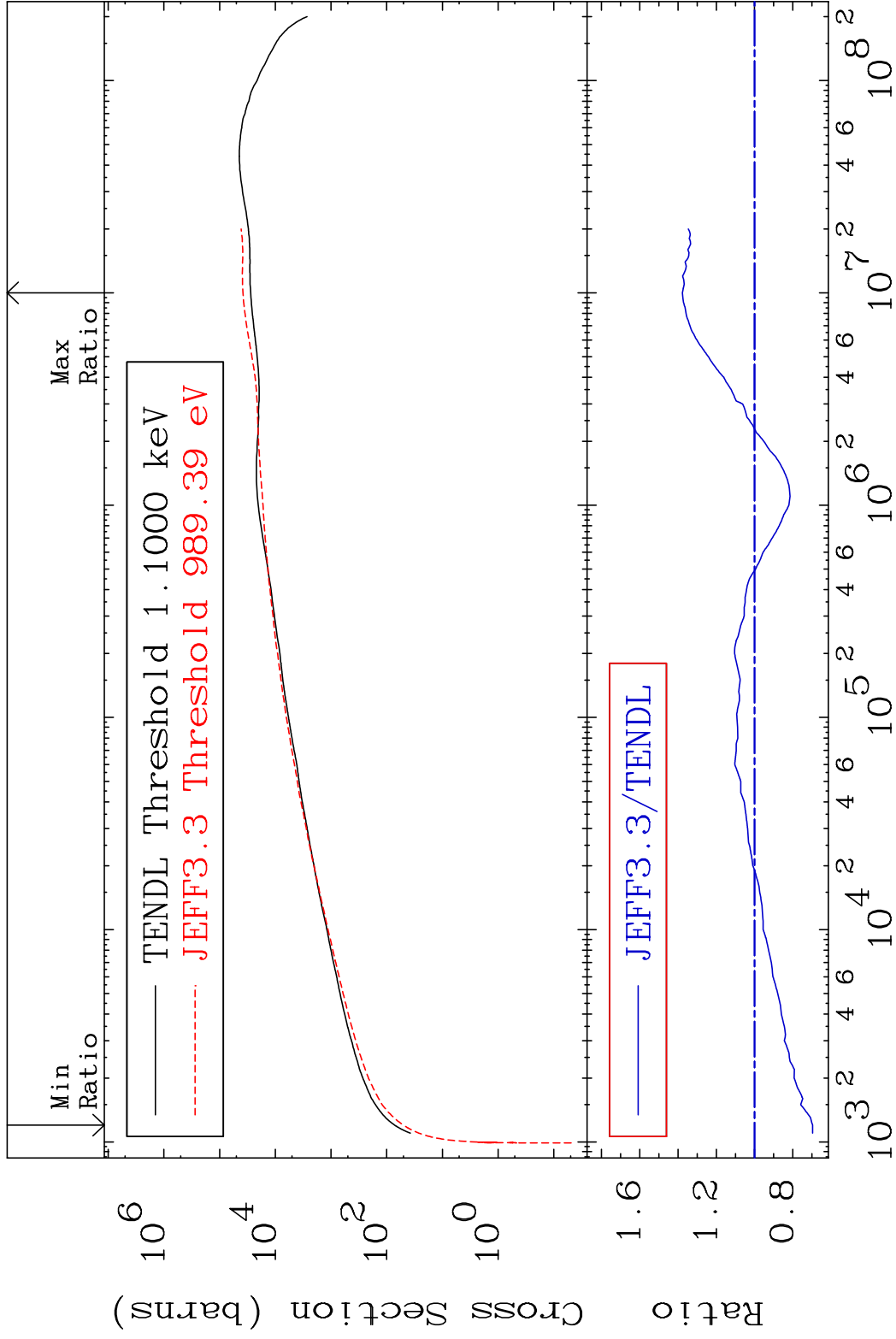
43      Incident Energy (eV)      66-Dy-161

MAT 6640

Dpa elastic (mt2)

66-Dy-161

Cross Section -30.30 To 37.72 %

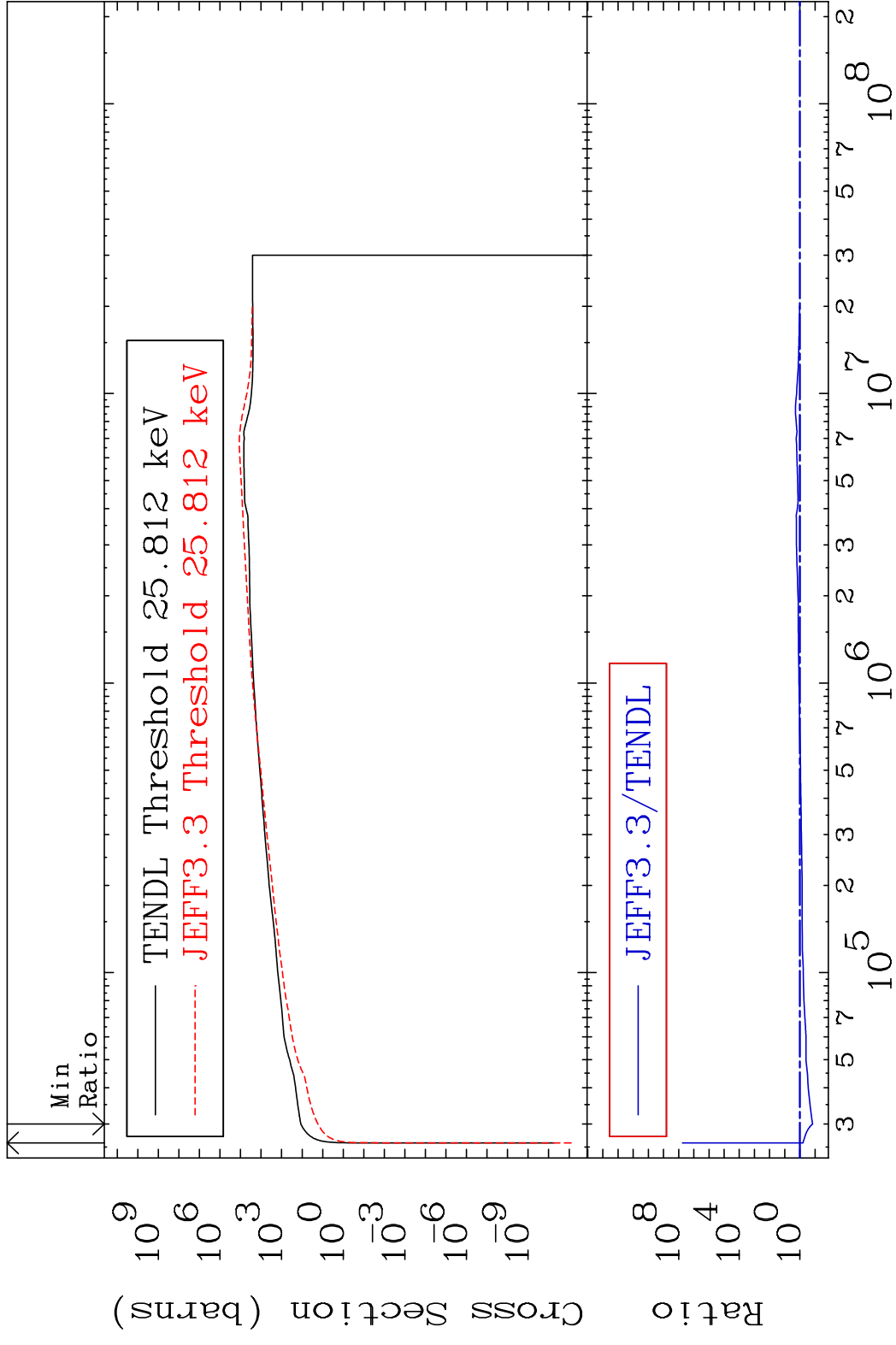


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Incident Energy (eV)

66-Dy-161

MAT 6640      Dpa inelastic (mt51-91)      66-Dy-161  
 Cross Section      -85.40 To 9999. %



MAT 6640 Dpa disappearance (mt102 -120) 66-Dy-161  
 Cross Section -82.22 To 1895. %

