

Program Complot  
(Version 2021-1)

by

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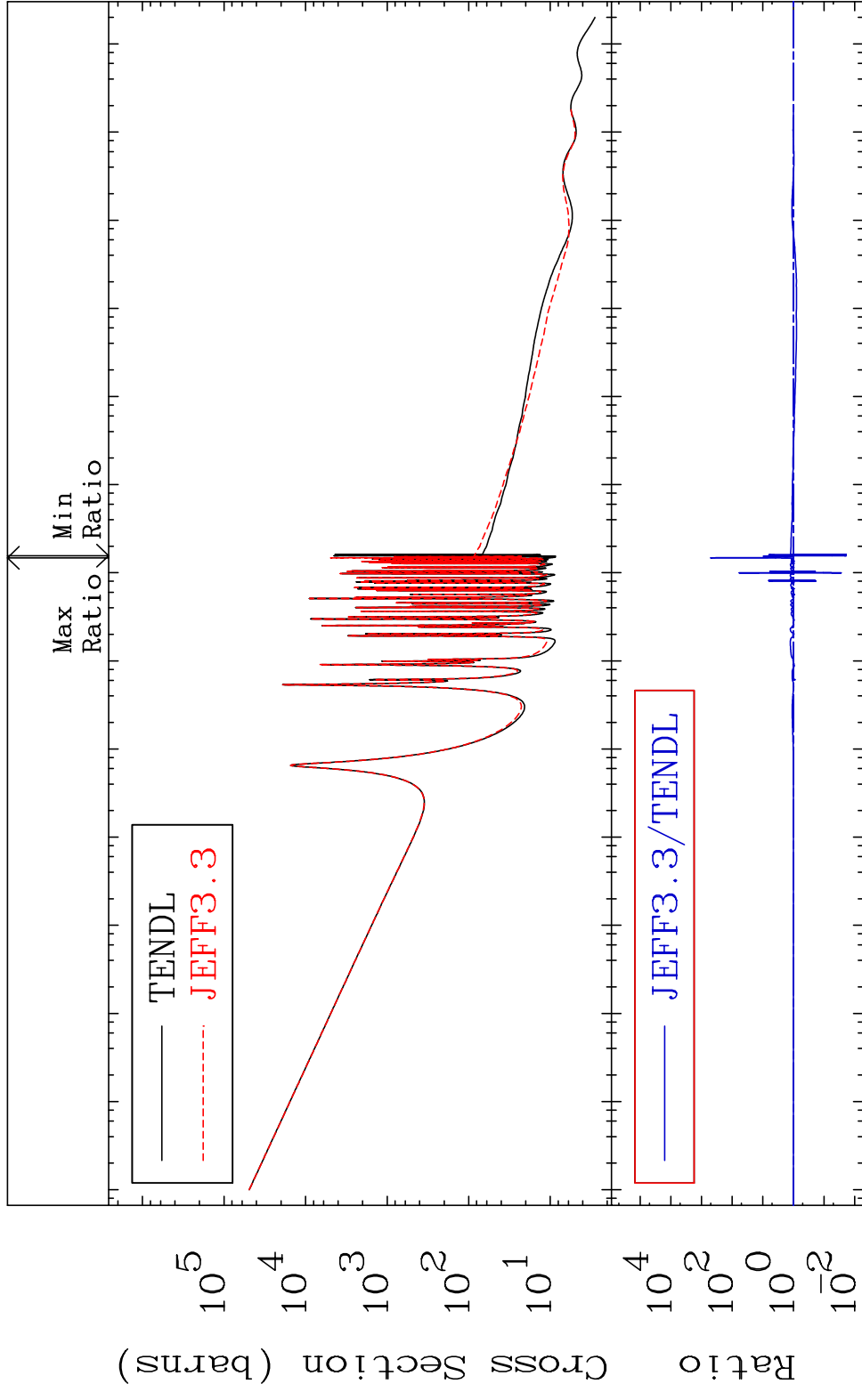
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7725

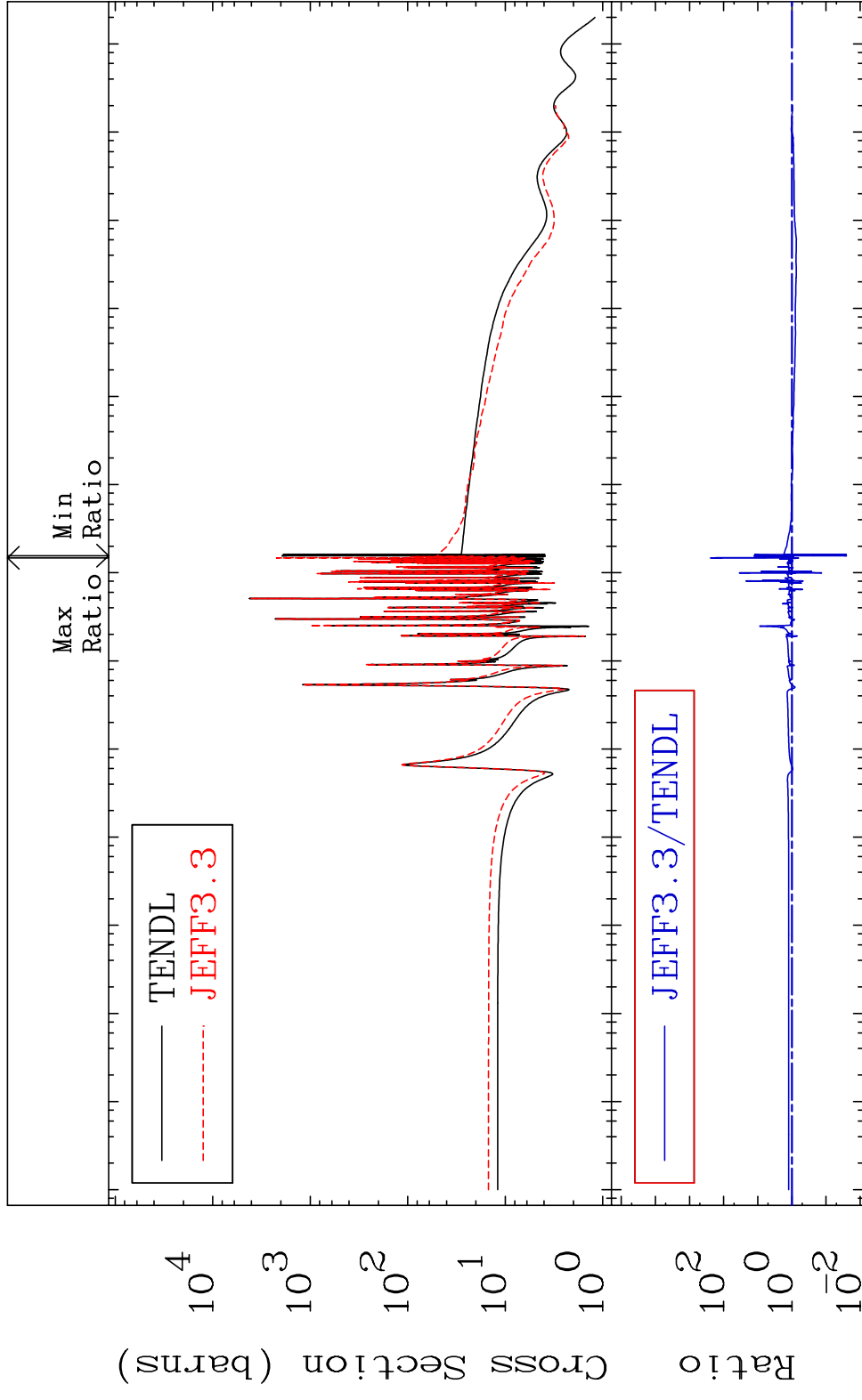
Total Cross Section -98.12 To 9999. % 77-Ir-191



1 Incident Energy (eV) 77-Ir-191

MAT 7725

Elastic Cross Section 77-Ir-191  
-97.45 To 9999. %



2

Incident Energy (eV)

77-Ir-191

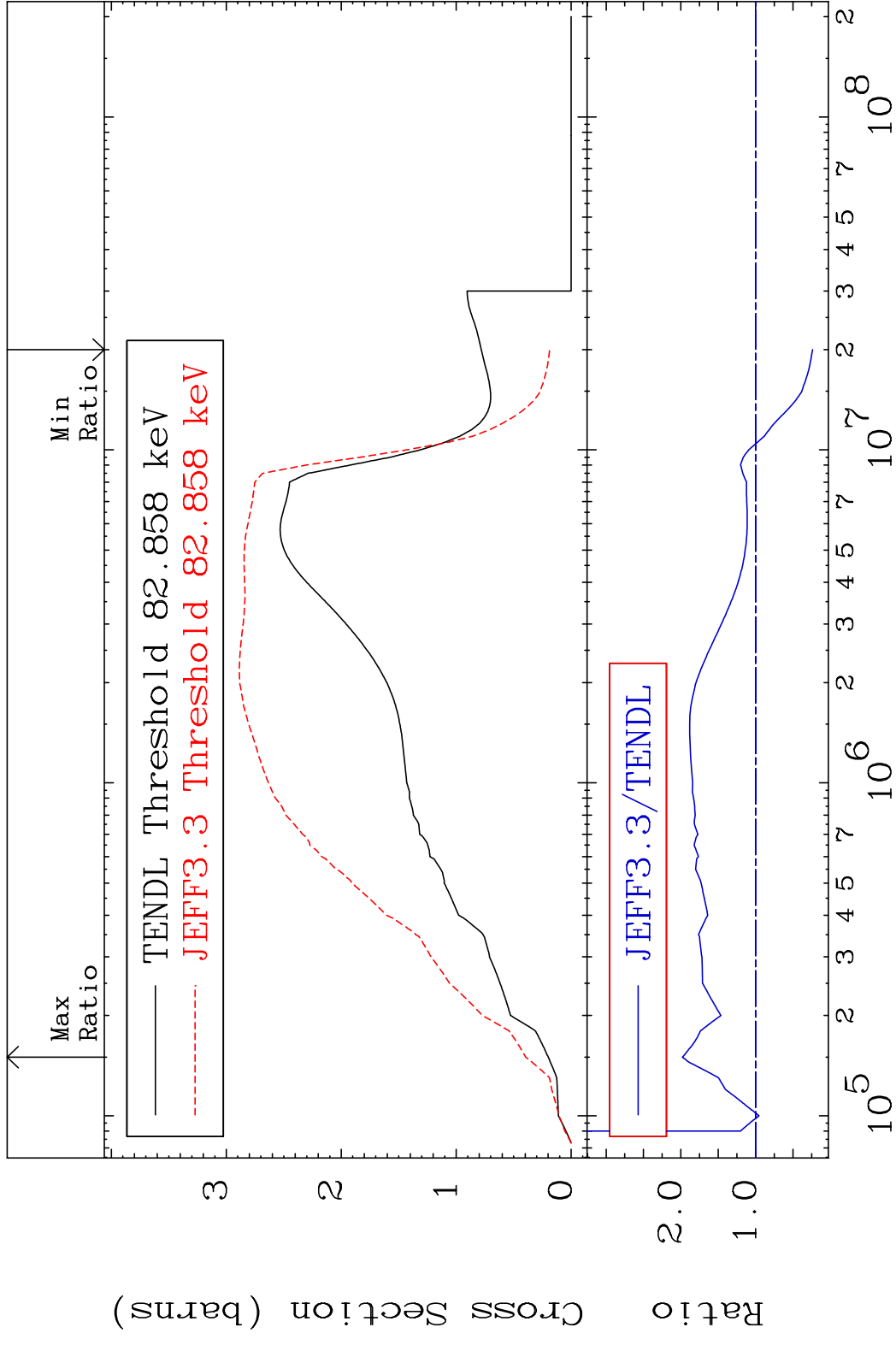
MAT 7725

Inelastic

77-Ir-191

Cross Section

-76.17 To 98.01 %



3

Incident Energy (eV)

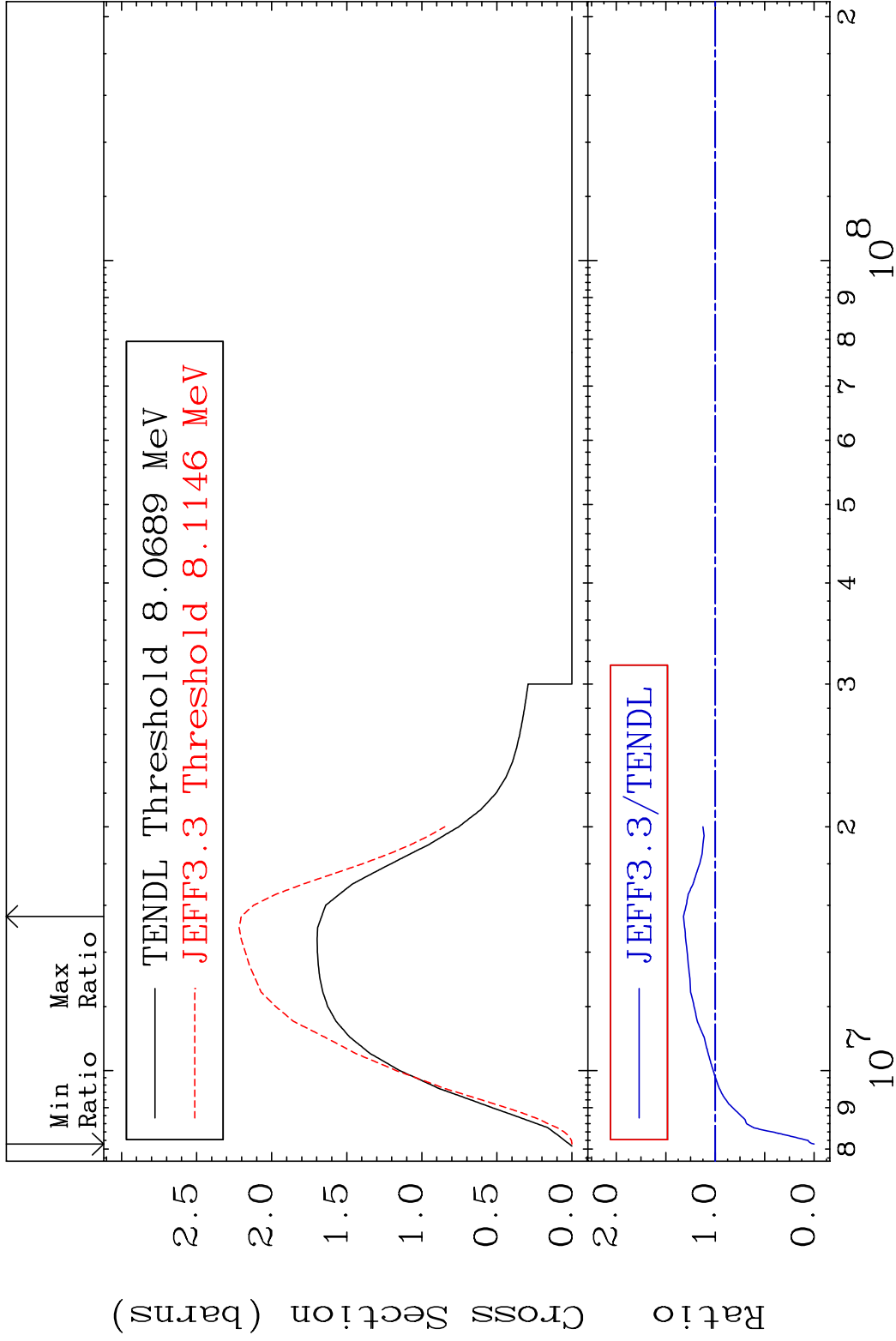
77-Ir-191

MAT 7725

(n,2n)

77-Ir-191

Cross Section -100.0 To 32.11 %



4

Incident Energy (eV)

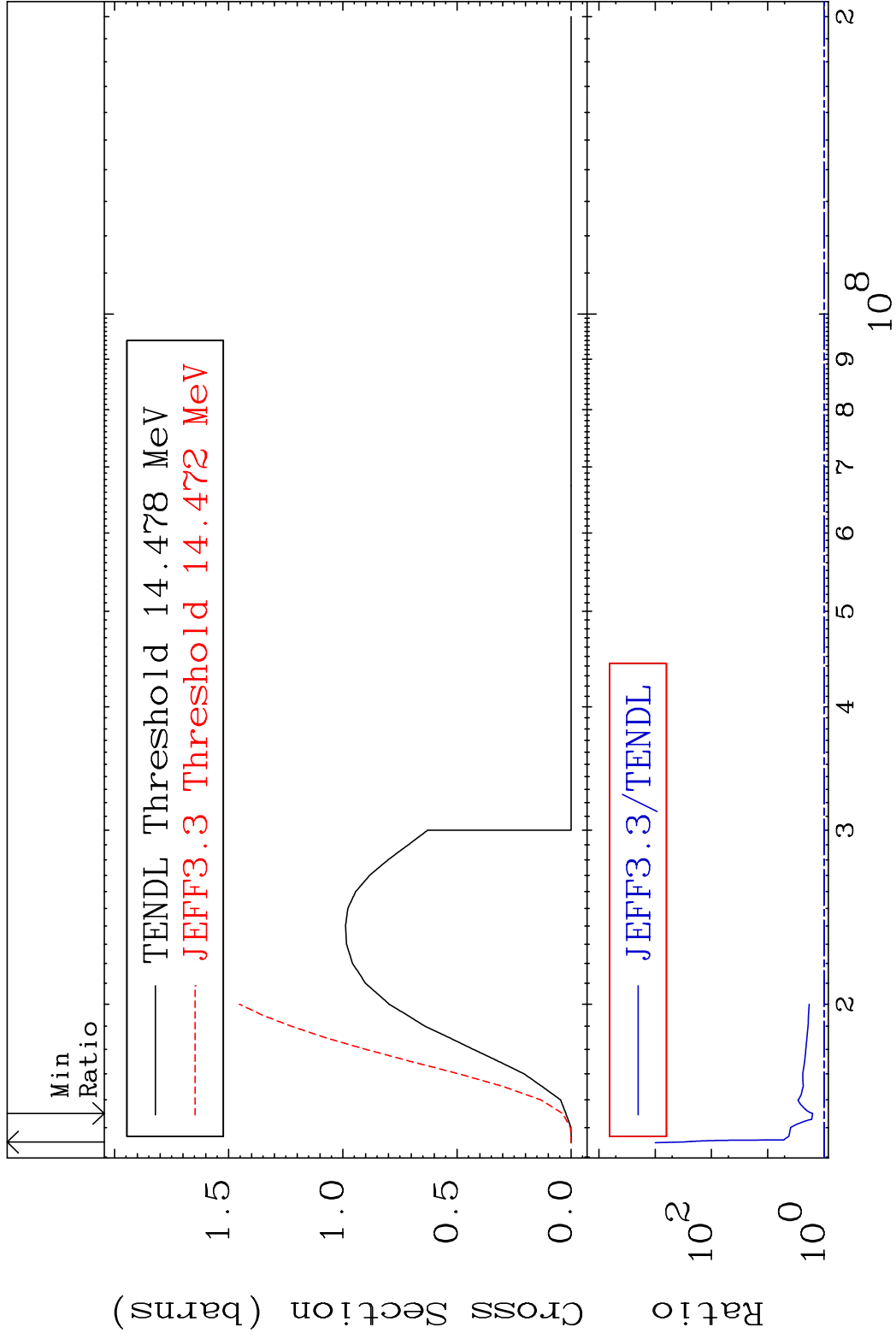
77-Ir-191

MAT 7725

(n,3n)

77-Ir-191

Cross Section 59.35 To 9999. %



5

Incident Energy (eV)

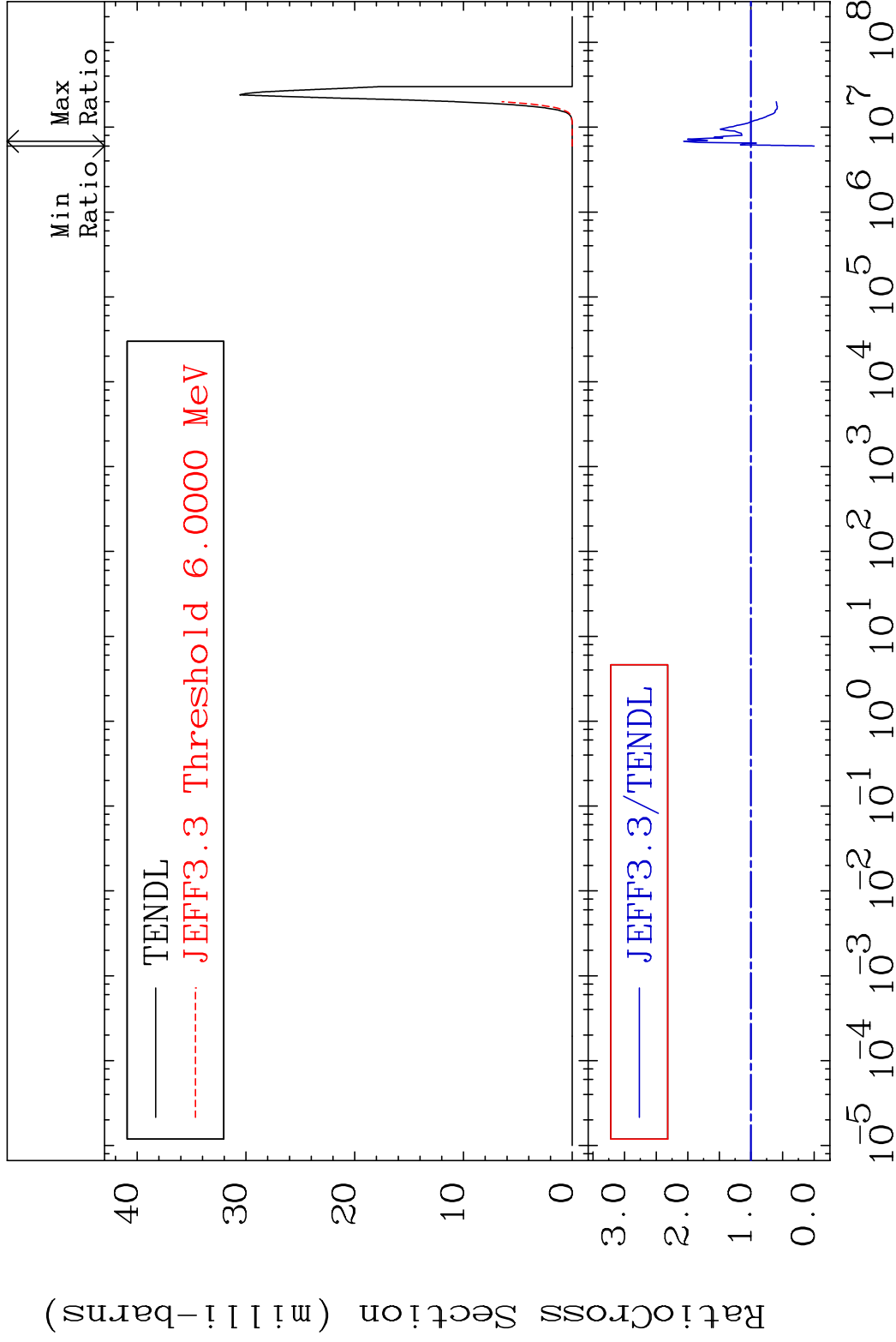
77-Ir-191

MAT 7725

(n, n')  $\alpha$

77-Ir-191

Cross Section -100.0 To 106.5 %

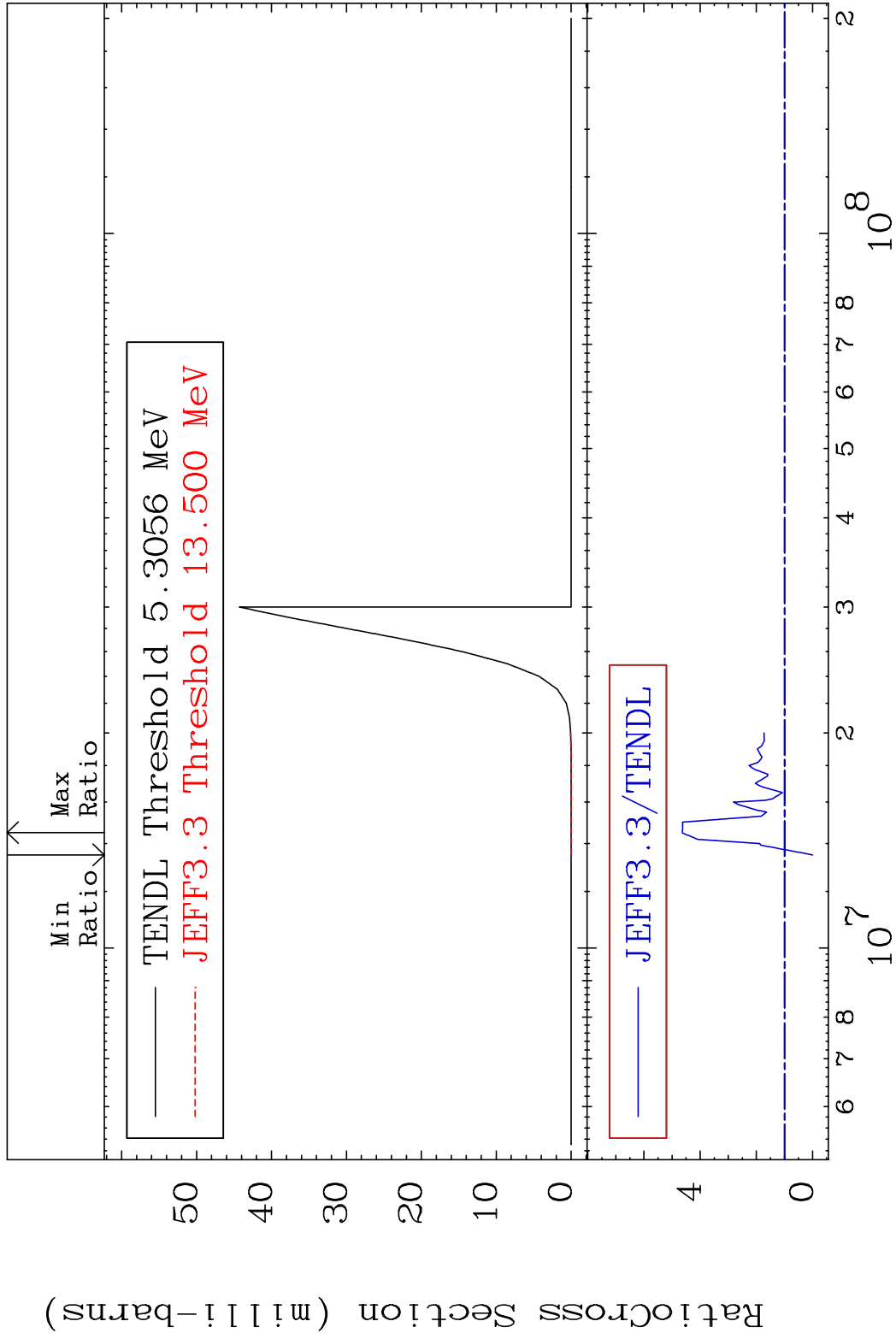


MAT 7725

(n,2n)  $\alpha$

77-Ir-191

Cross Section -100.0 To 363.4 %



7

Incident Energy (eV)

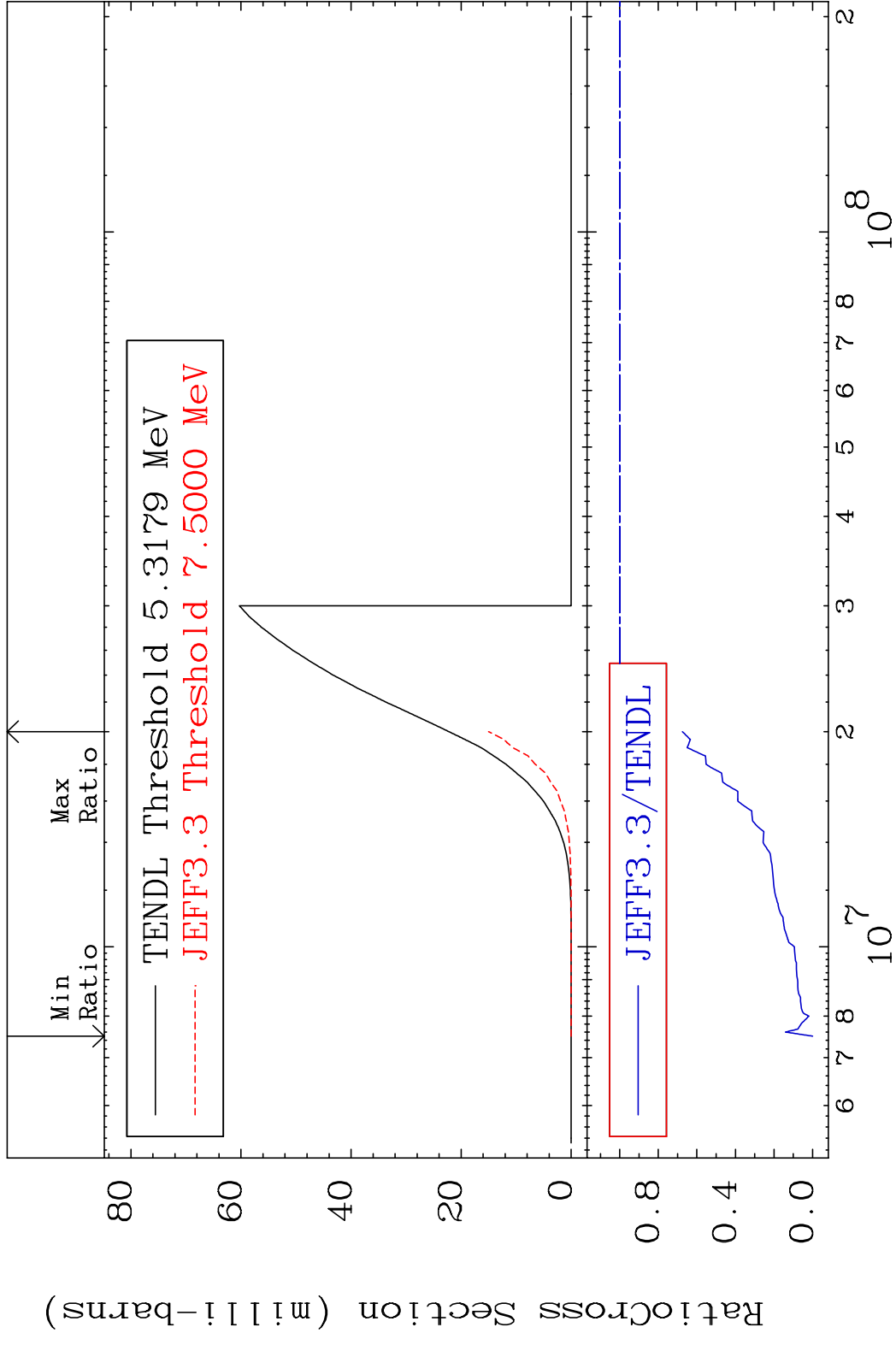
77-Ir-191



MAT 7725

(n, n') p 77-Ir-191

Cross Section -100.0 To -32.48%



8

Incident Energy (eV)

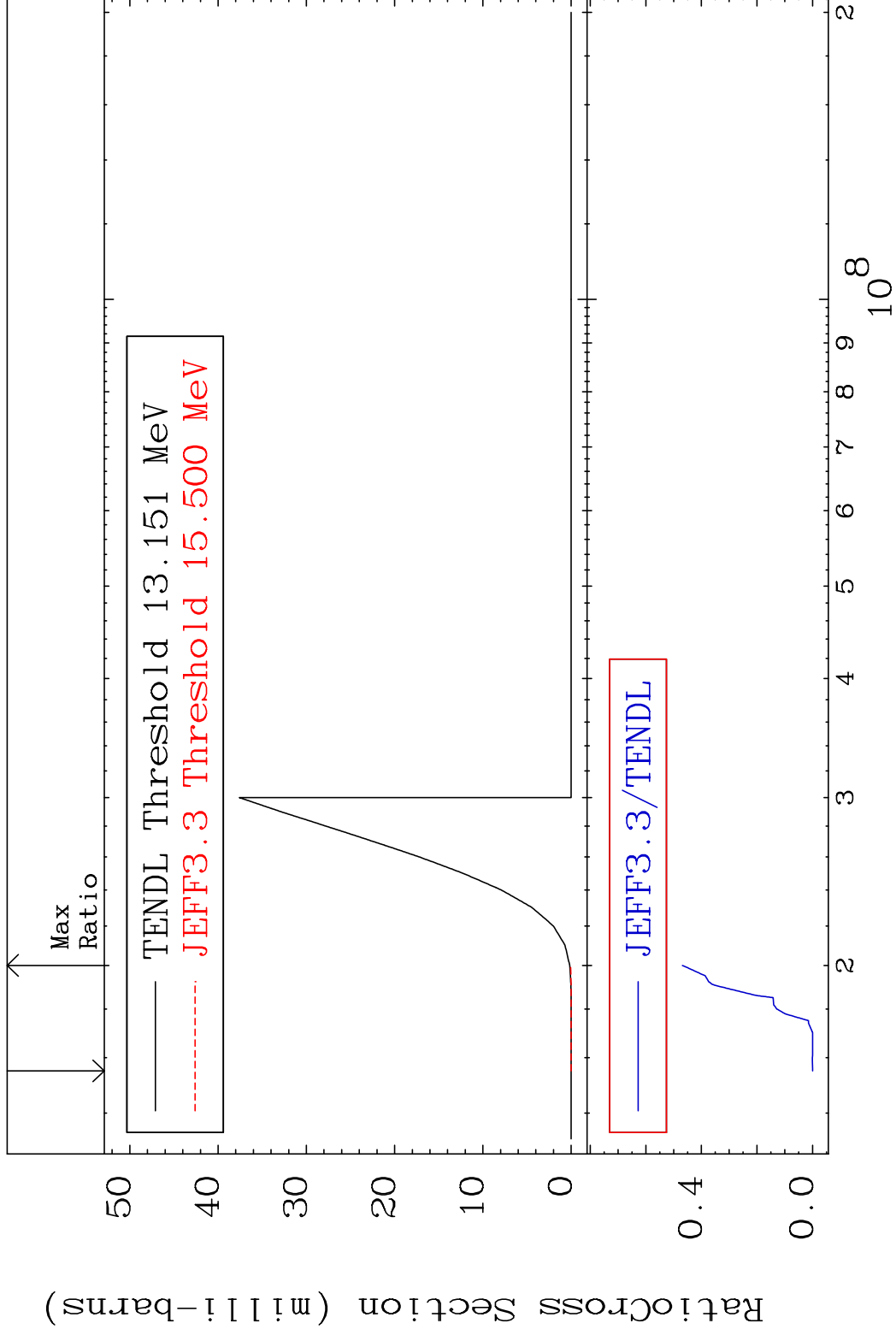
77-Ir-191

MAT 7725

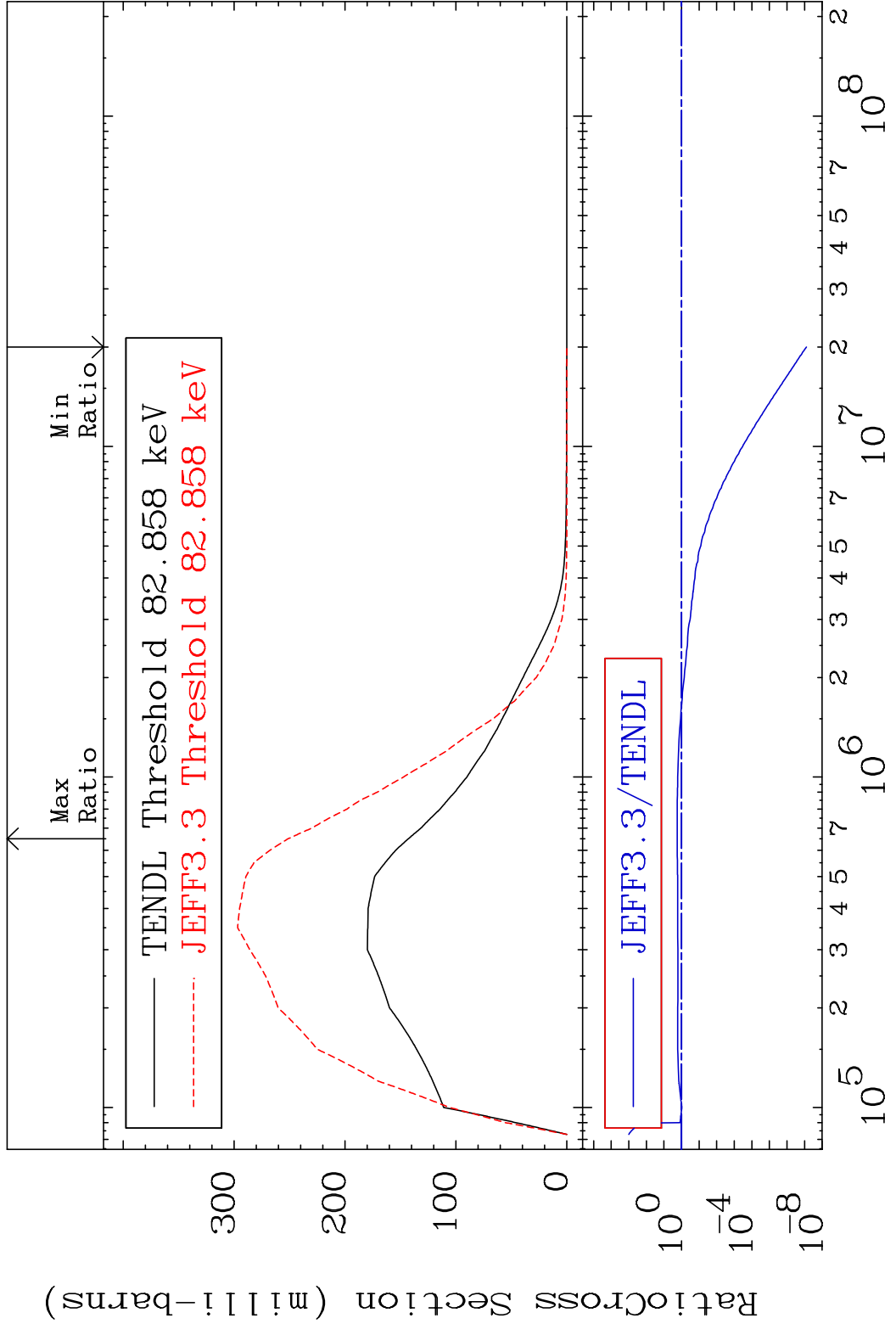
(n,2n) p

77-Ir-191

Cross Section -100.0 To -53.14%

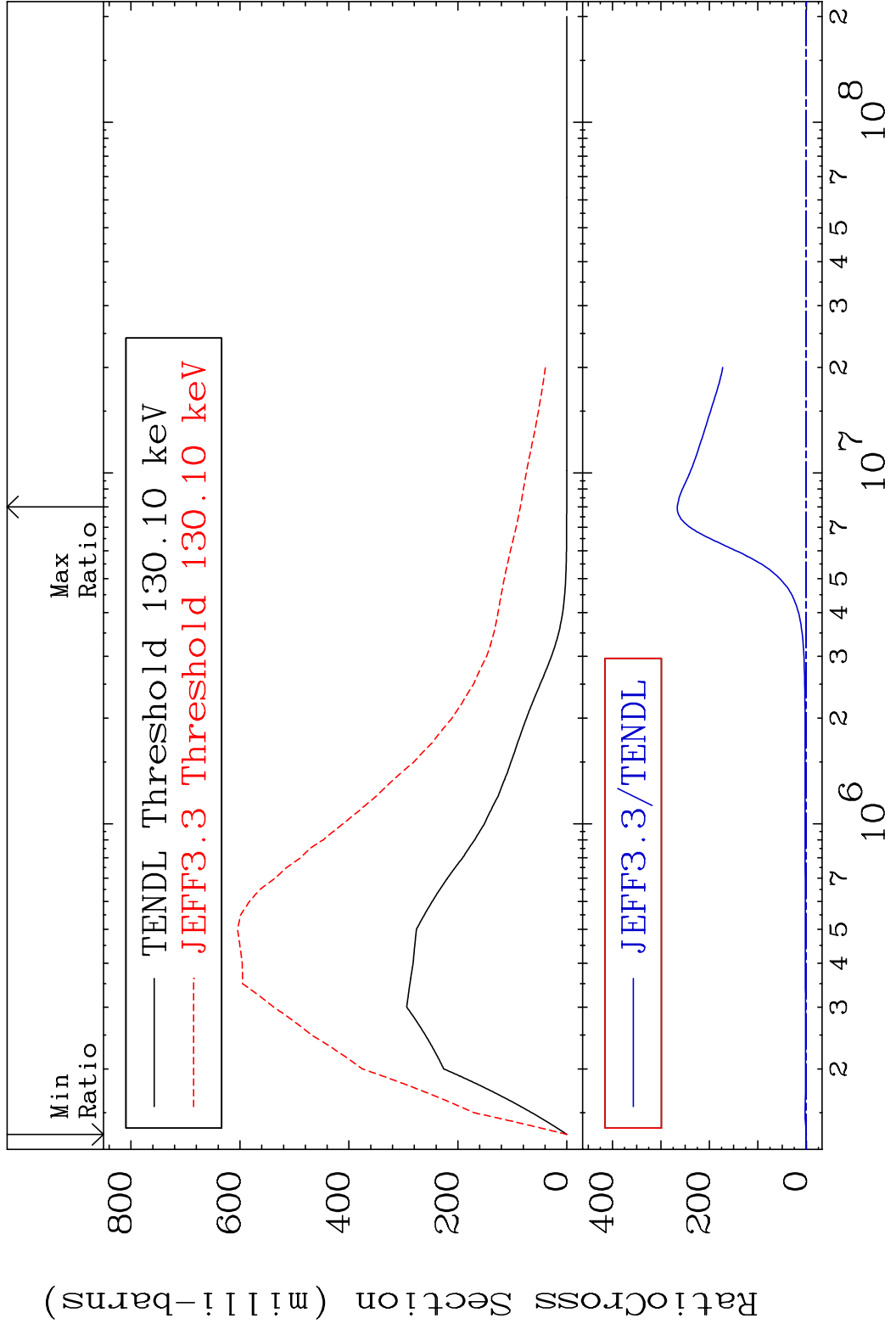


MAT 7725 MT= 51 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 75.91 %

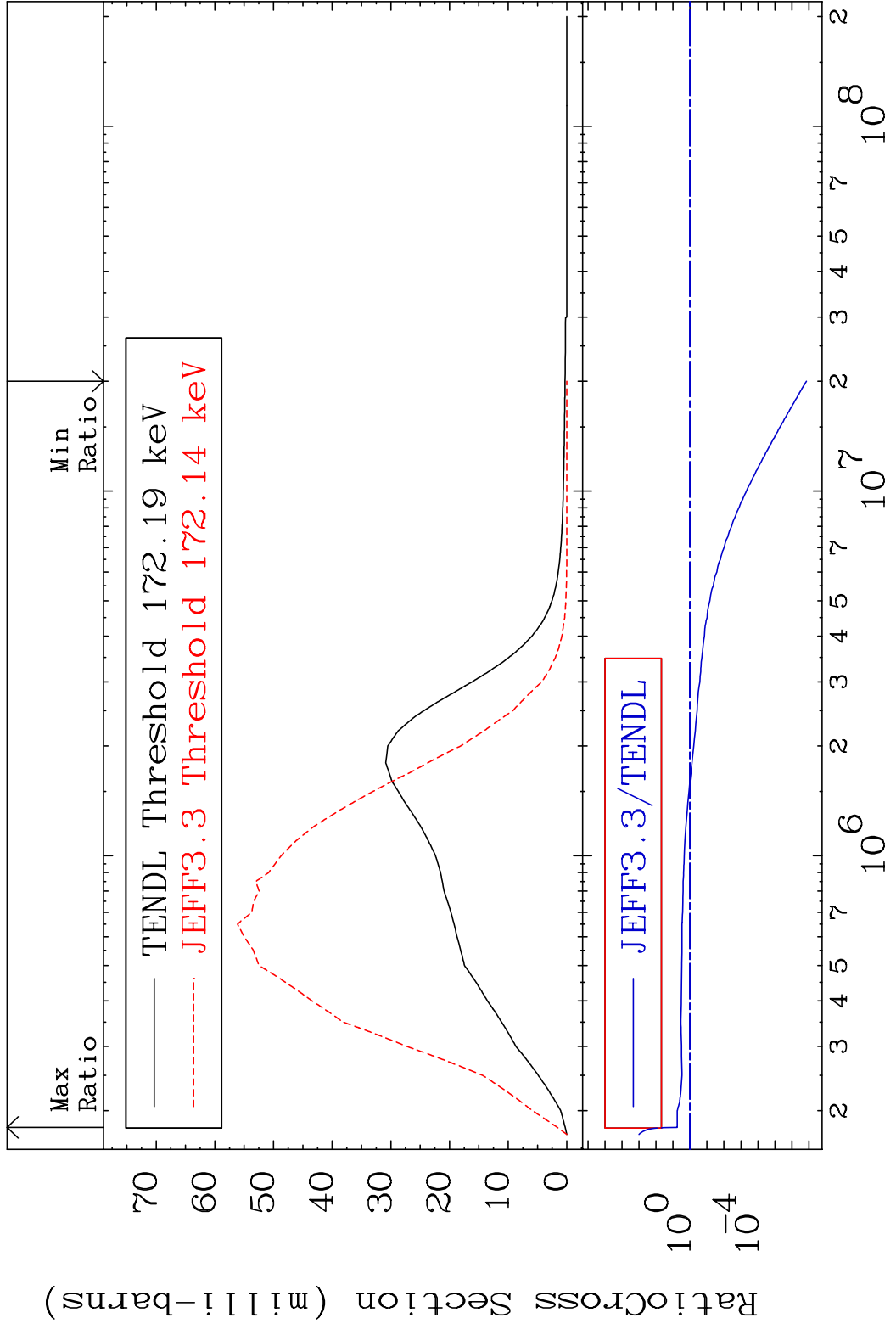


10 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 6 7 8 2 77-Ir-191

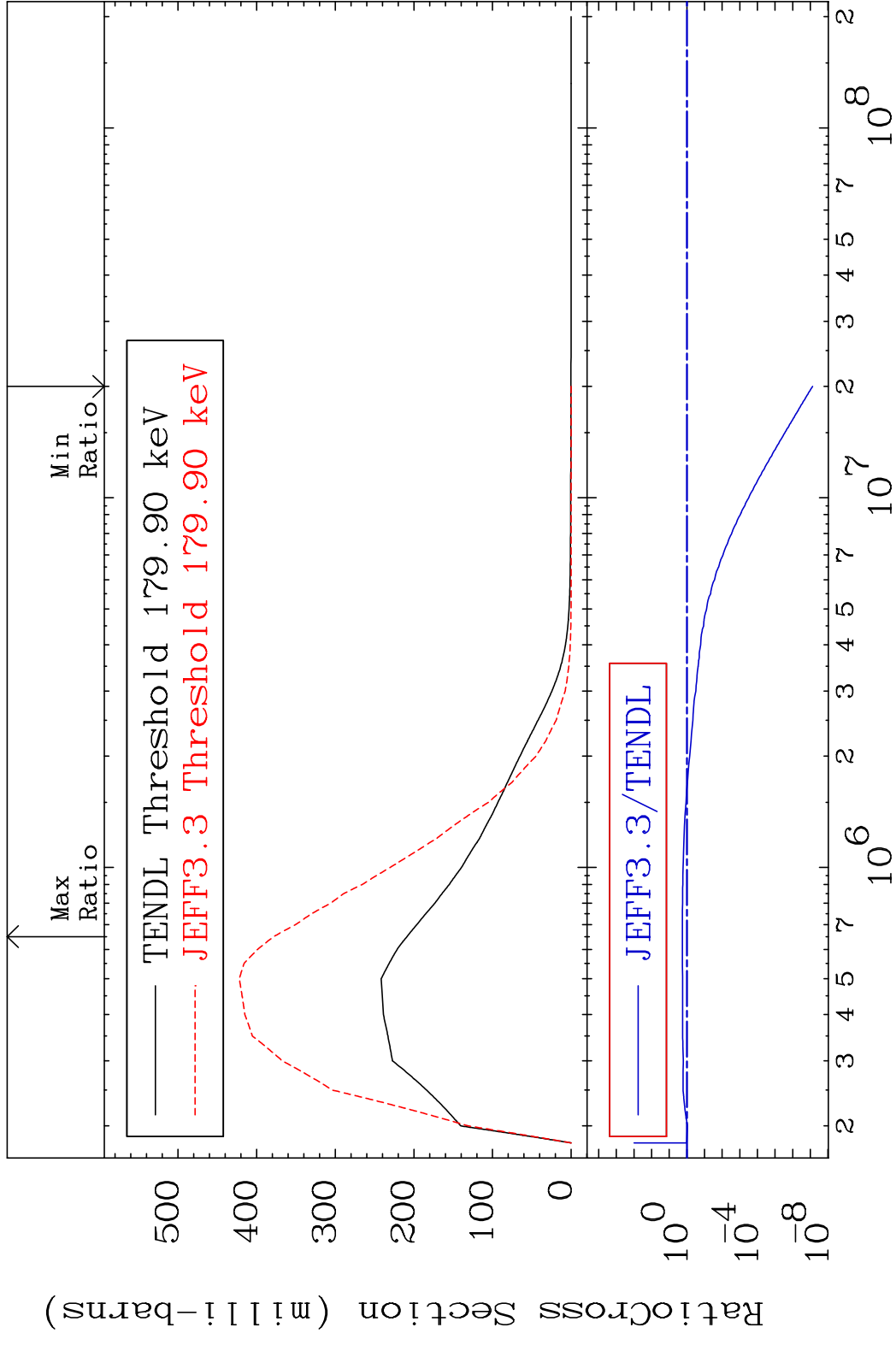
MAT 7725 MT= 52 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 9999. %



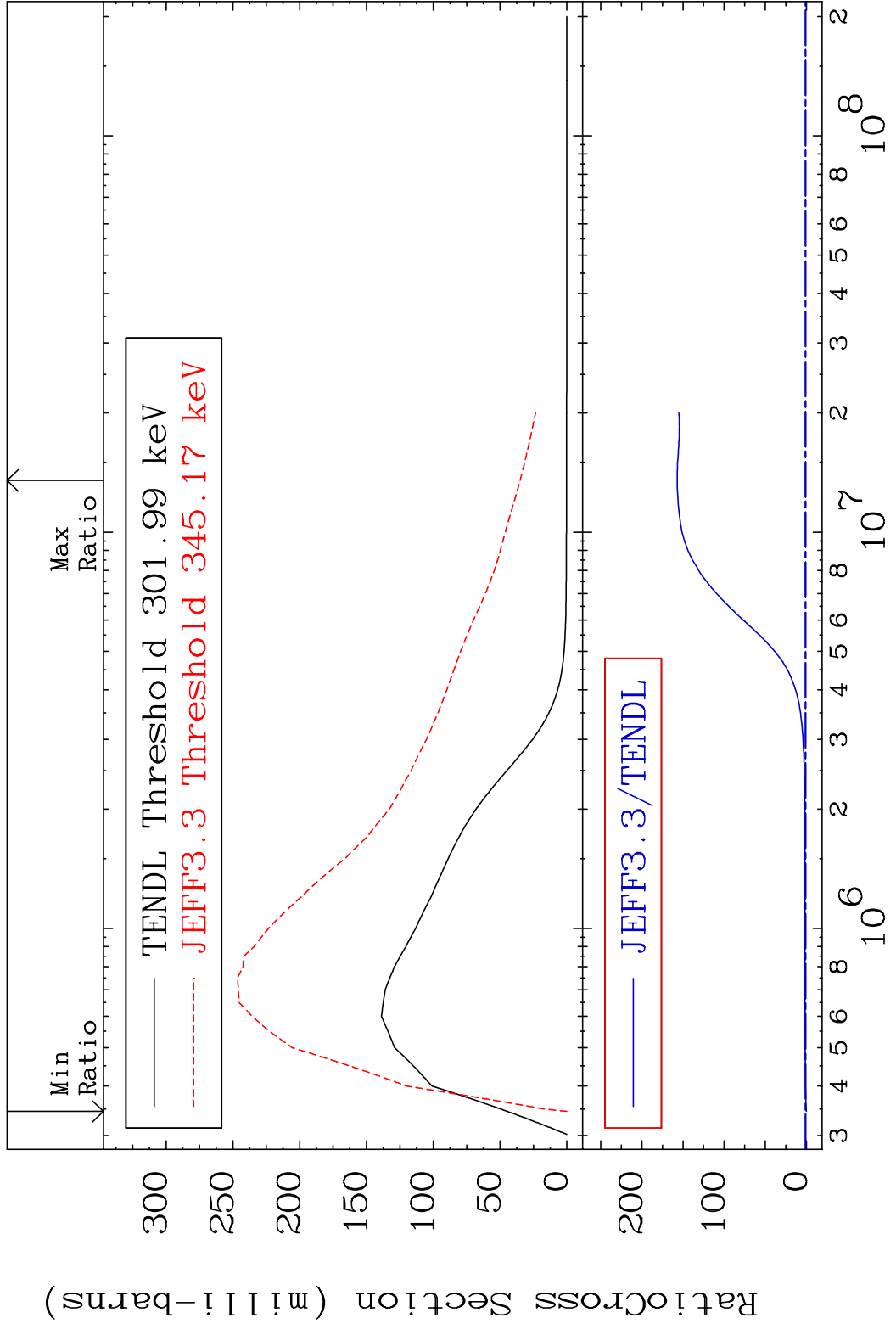
MAT 7725 MT= 53 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 464.1 %



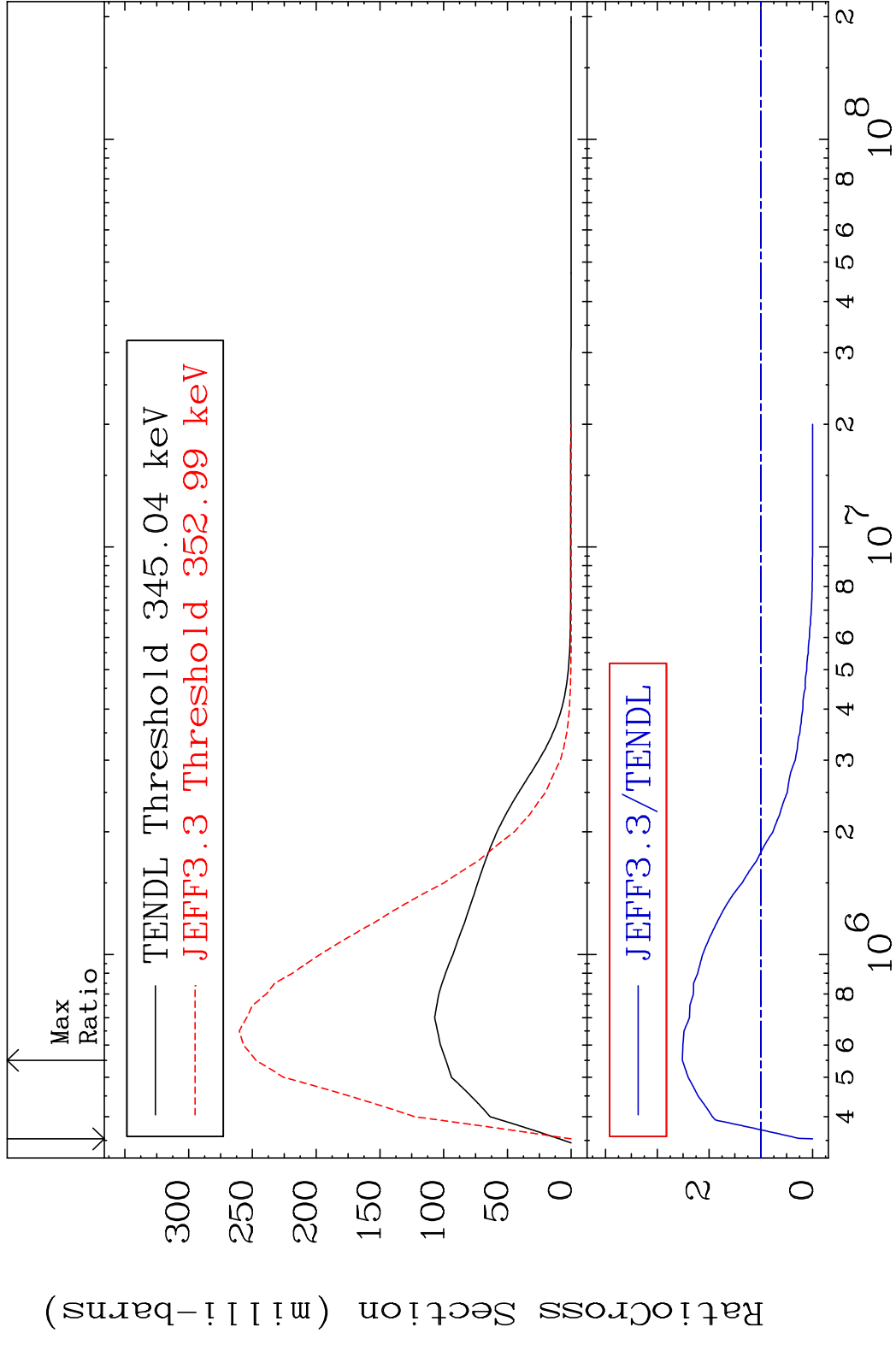
MAT 7725 MT= 54 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 81.13 %



MAT 7725 MT= 55 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 9999. %

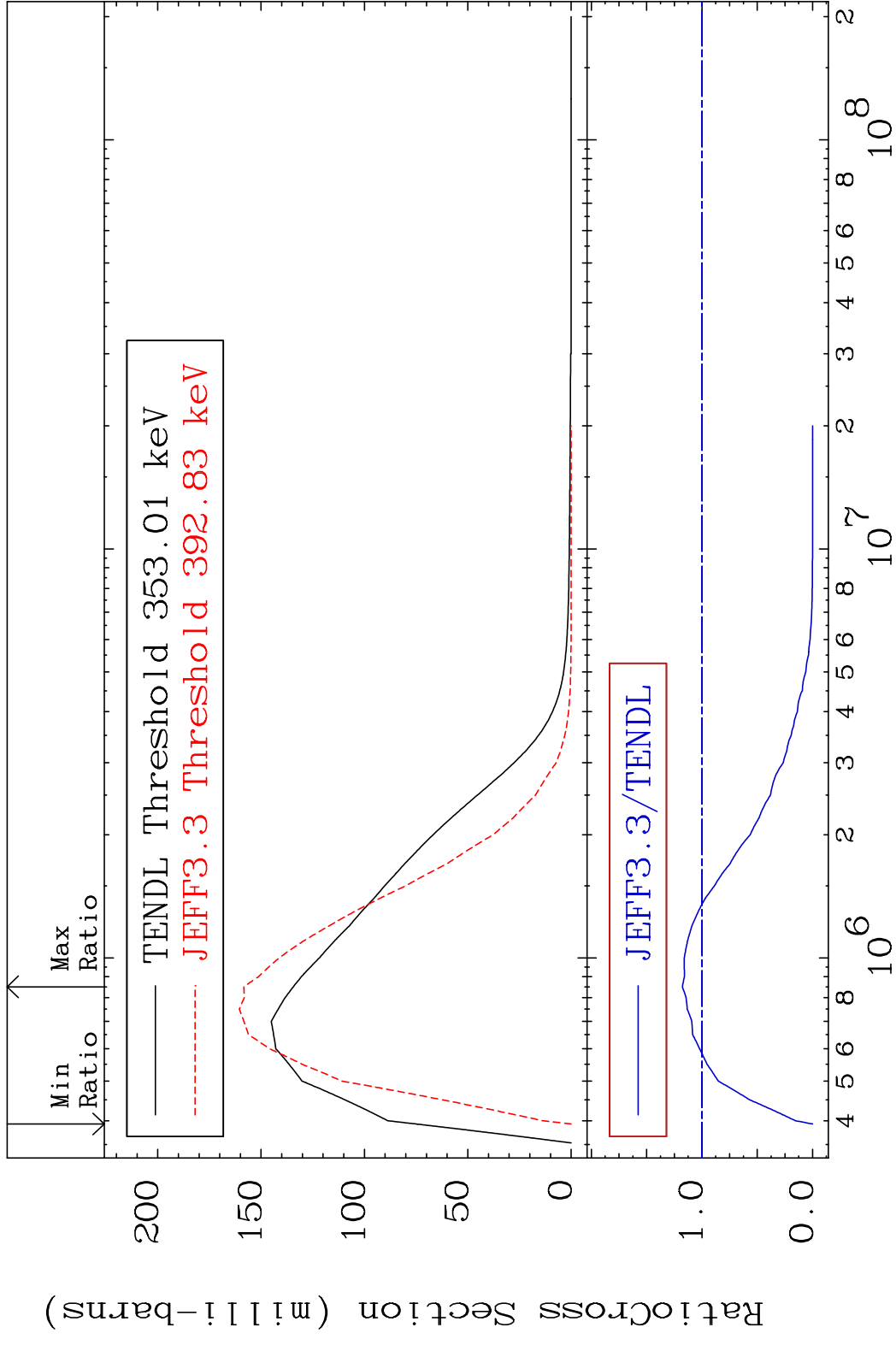


MAT 7725 MT= 56 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 151.5 %

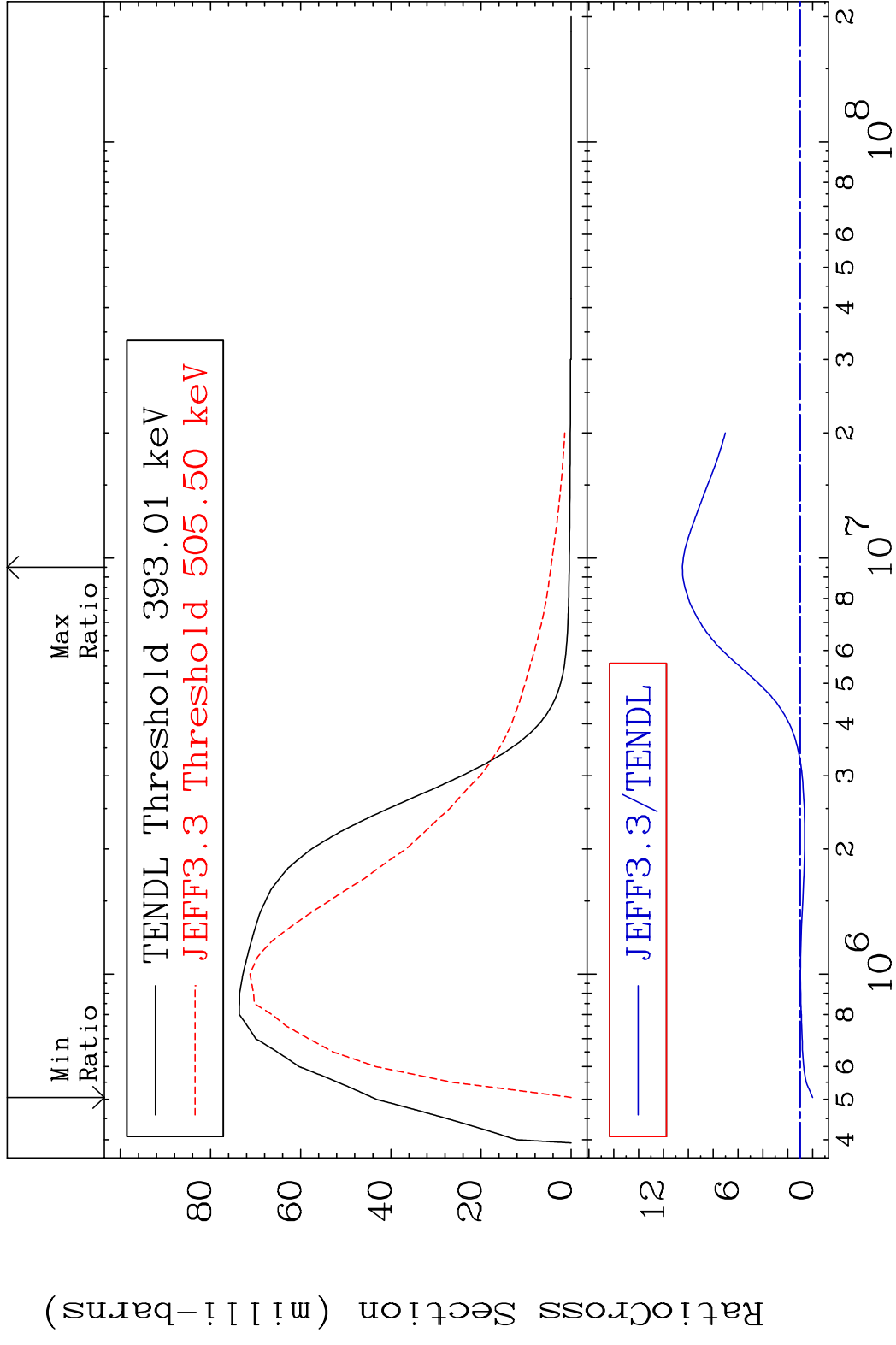




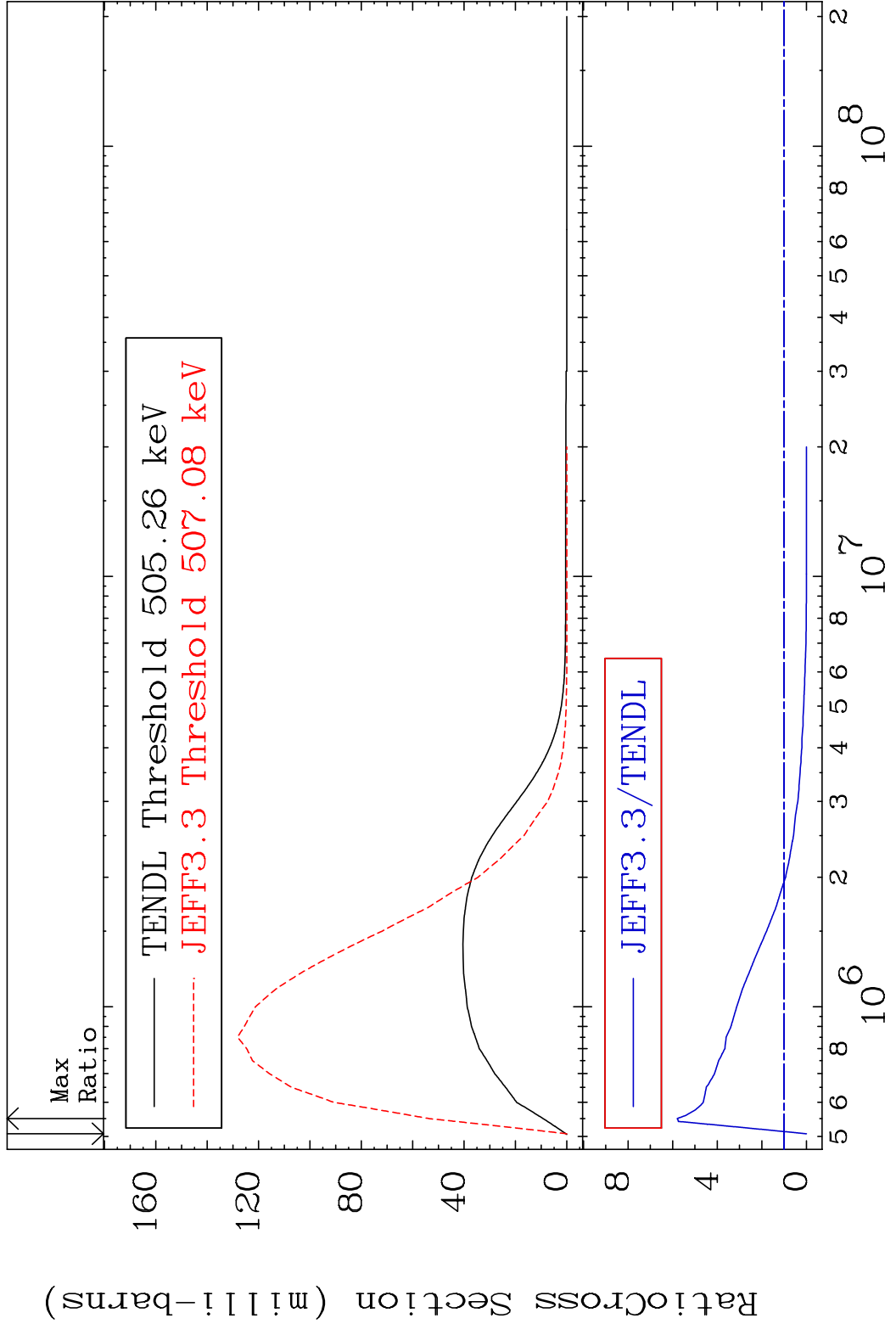
MAT 7725 MT= 57 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 17.73 %



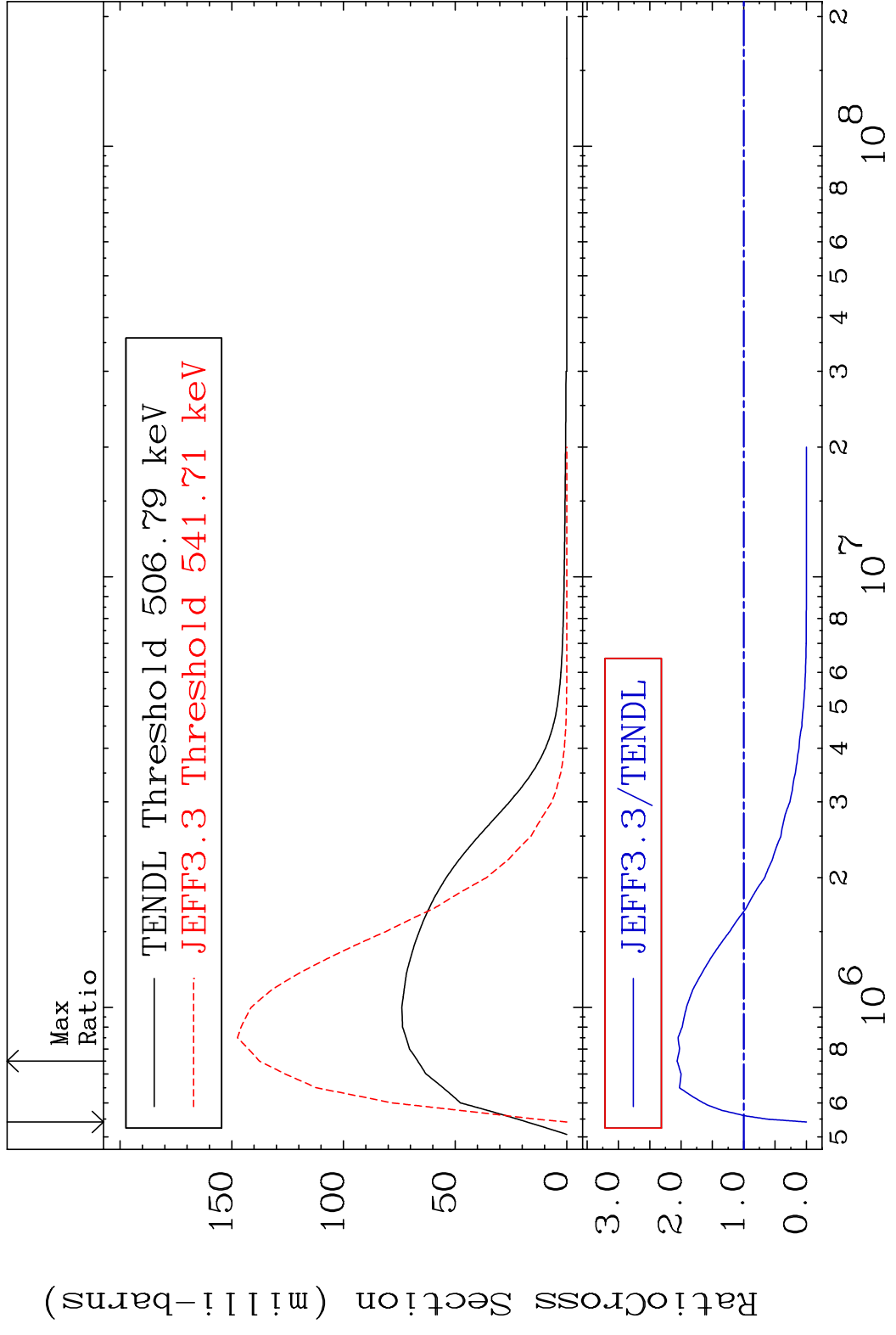
MAT 7725 MT= 58 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 947.5 %



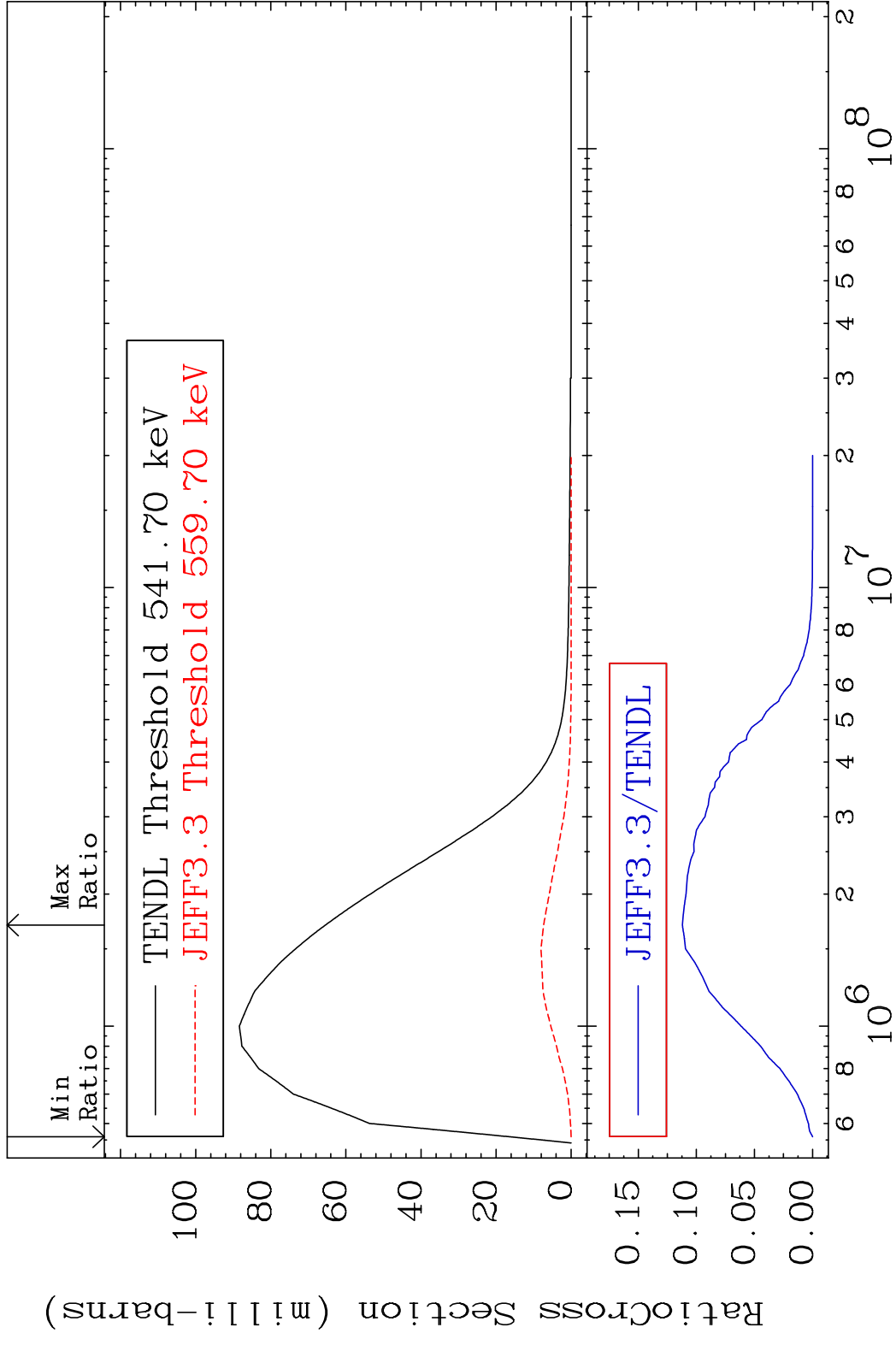
MAT 7725 MT= 59 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 479.8 %



MAT 7725 MT= 60 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 106.2 %

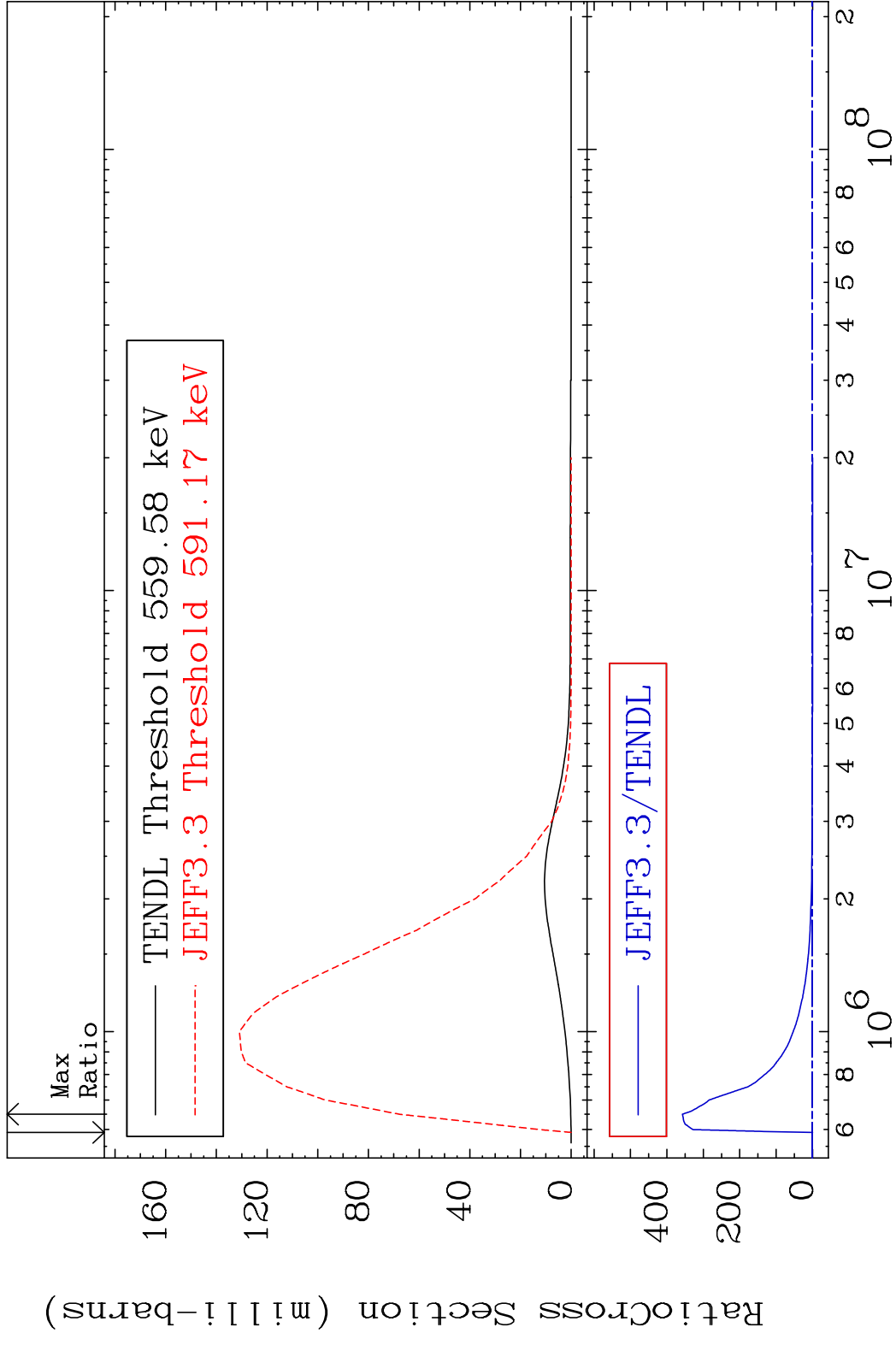


MAT 7725 MT= 61 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To -88.79%

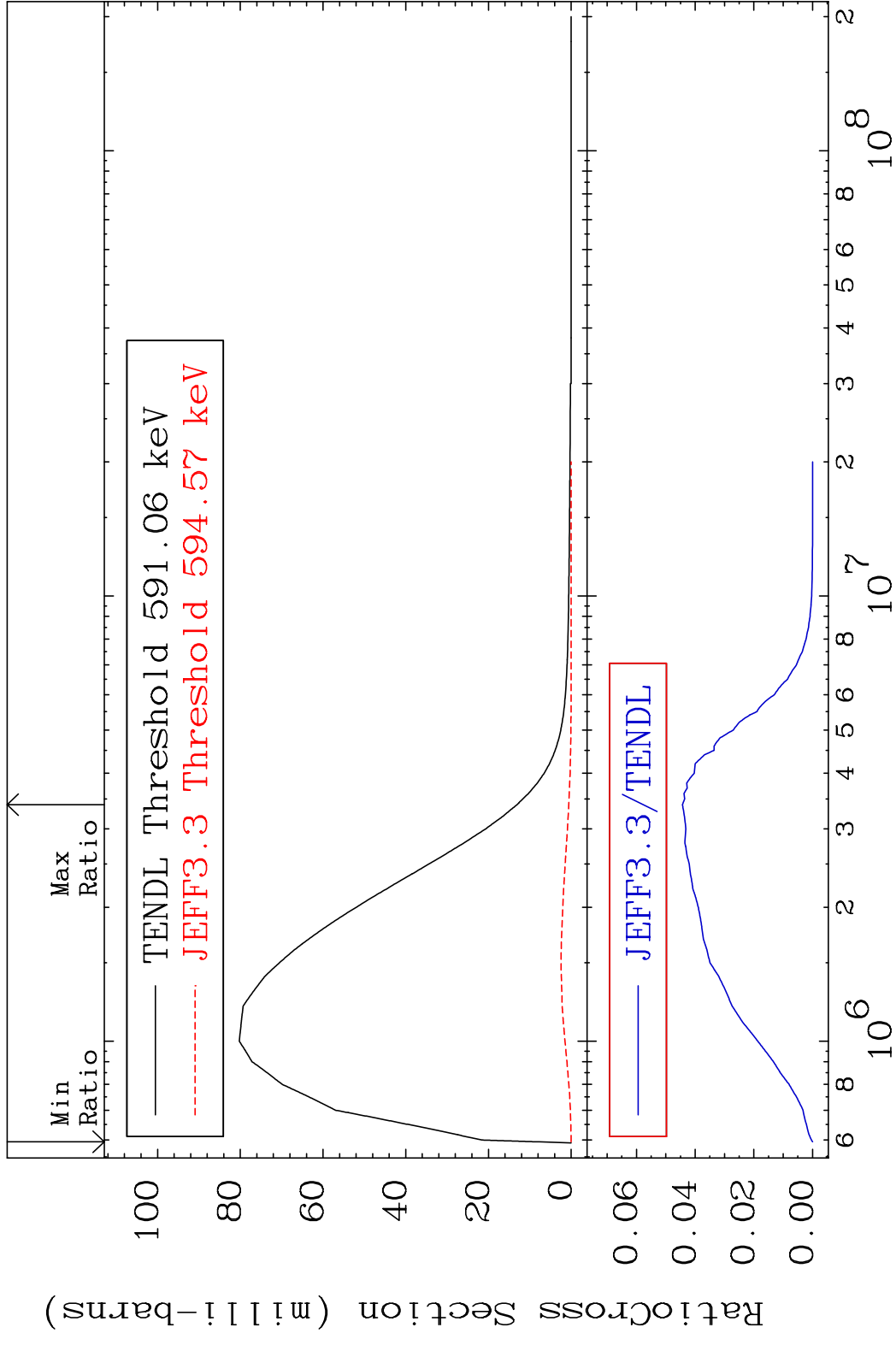


20 Incident Energy (eV) 77-Ir-191

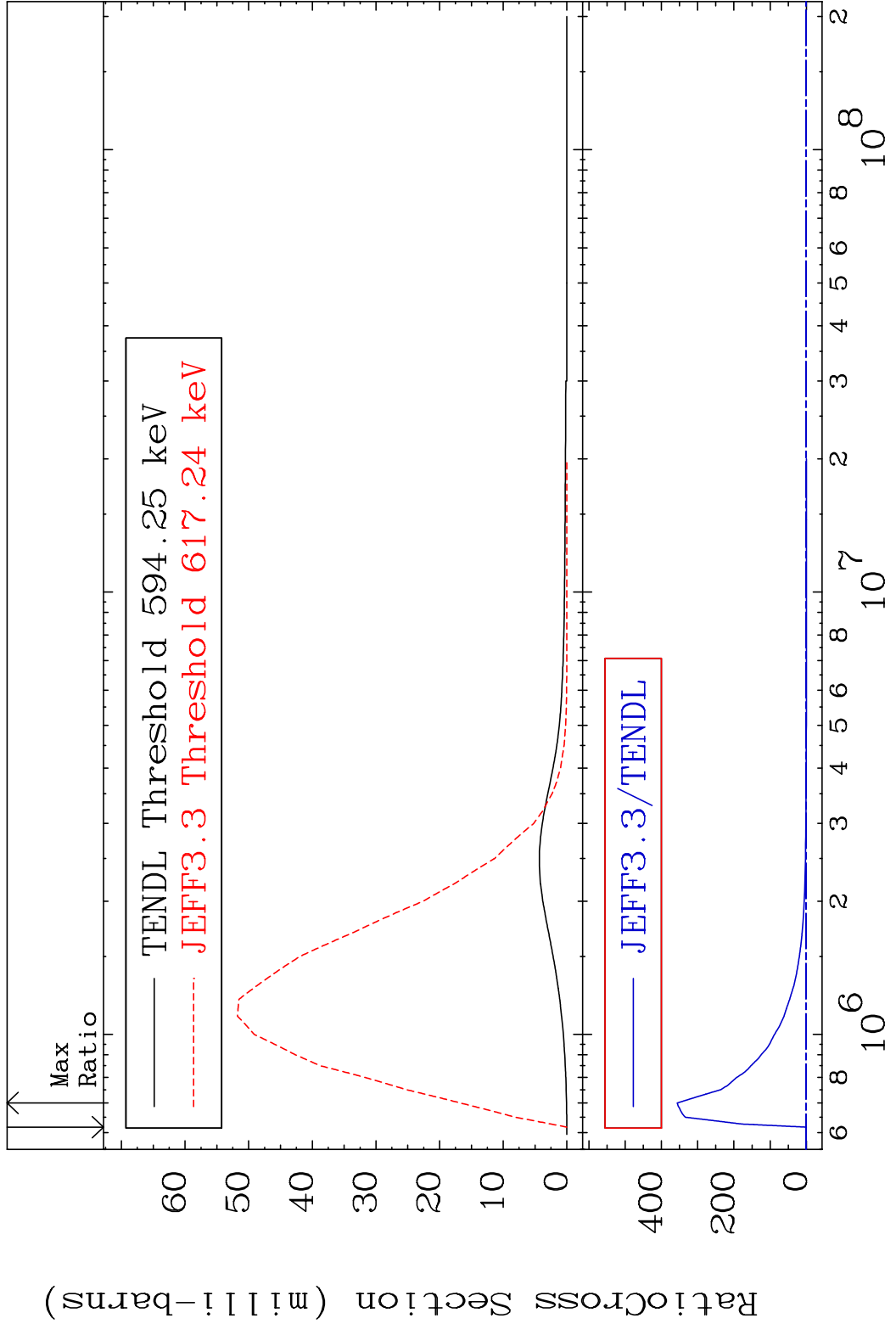
MAT 7725 MT= 62 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 9999. %



MAT 7725 MT= 63 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To -95.56%

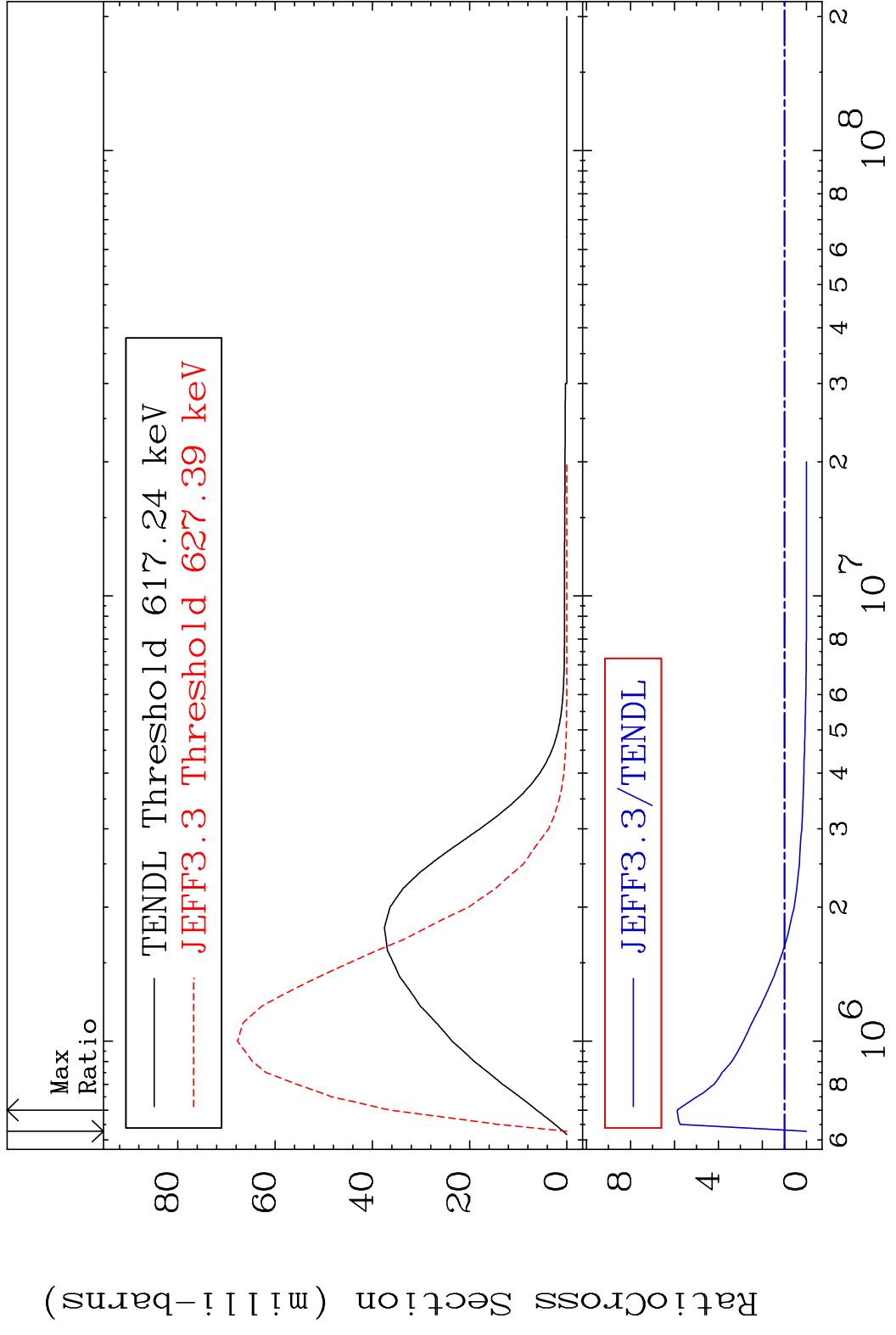


MAT 7725 MT= 64 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 9999. %

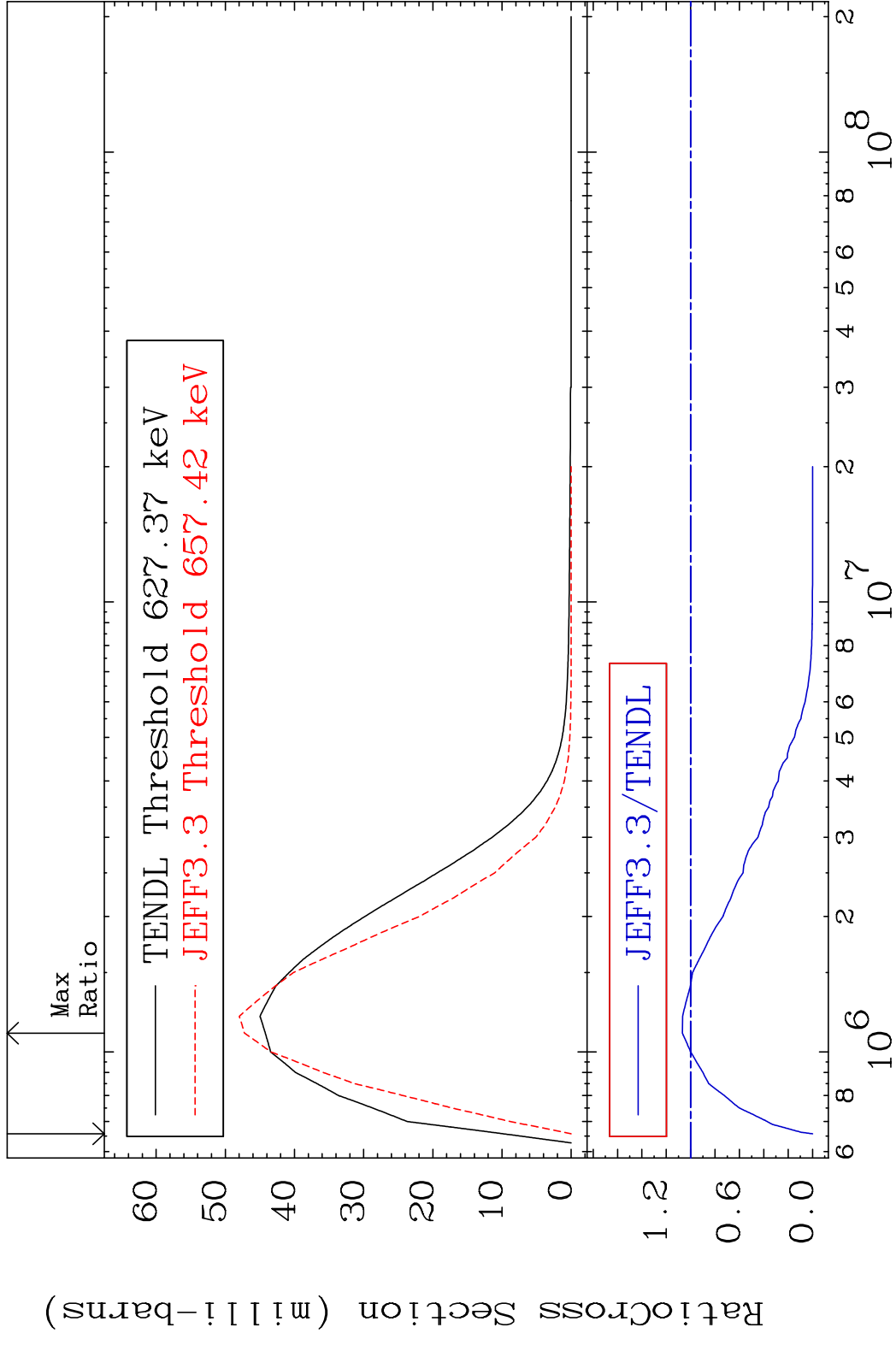




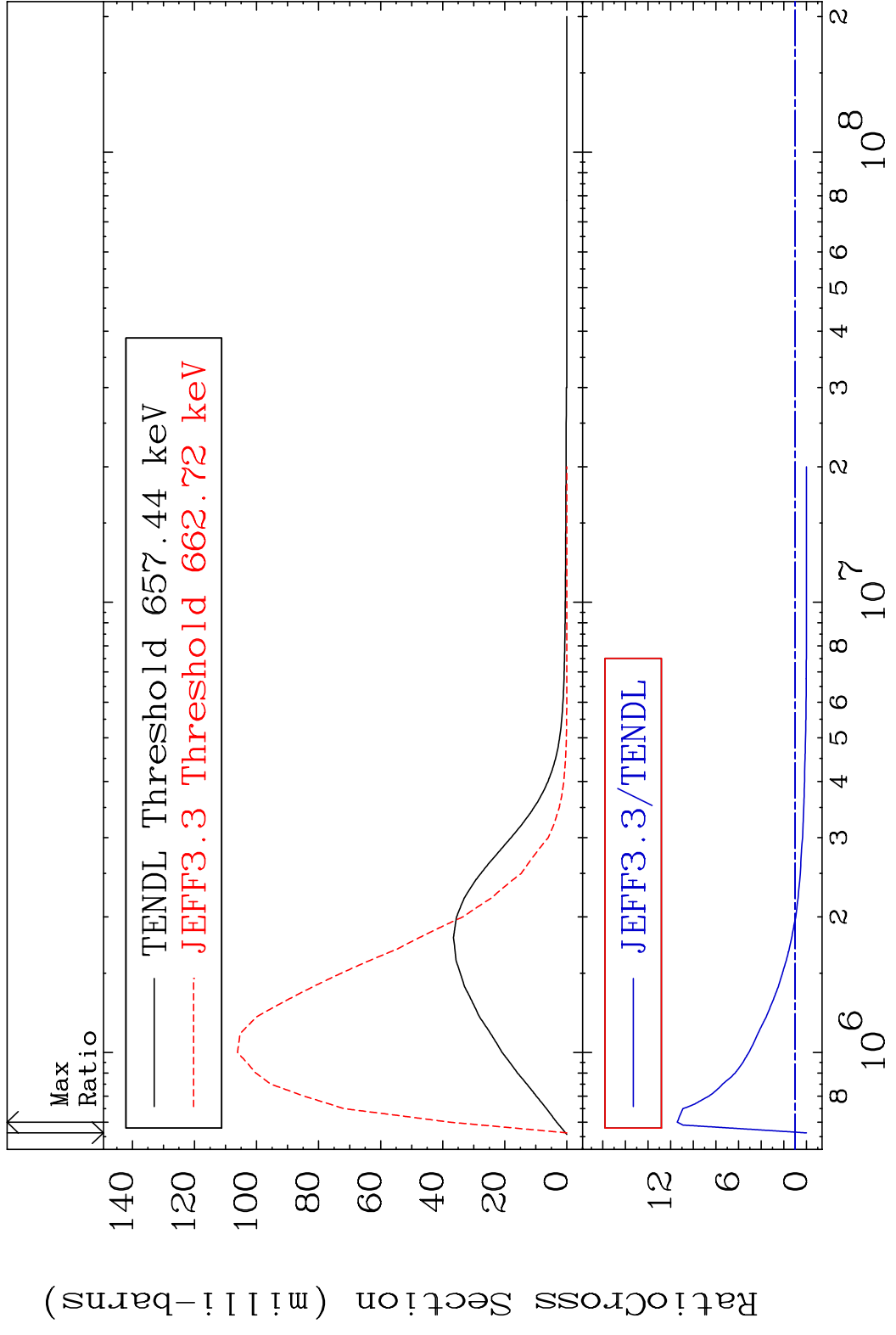
MAT 7725 MT= 65 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 487.7 %



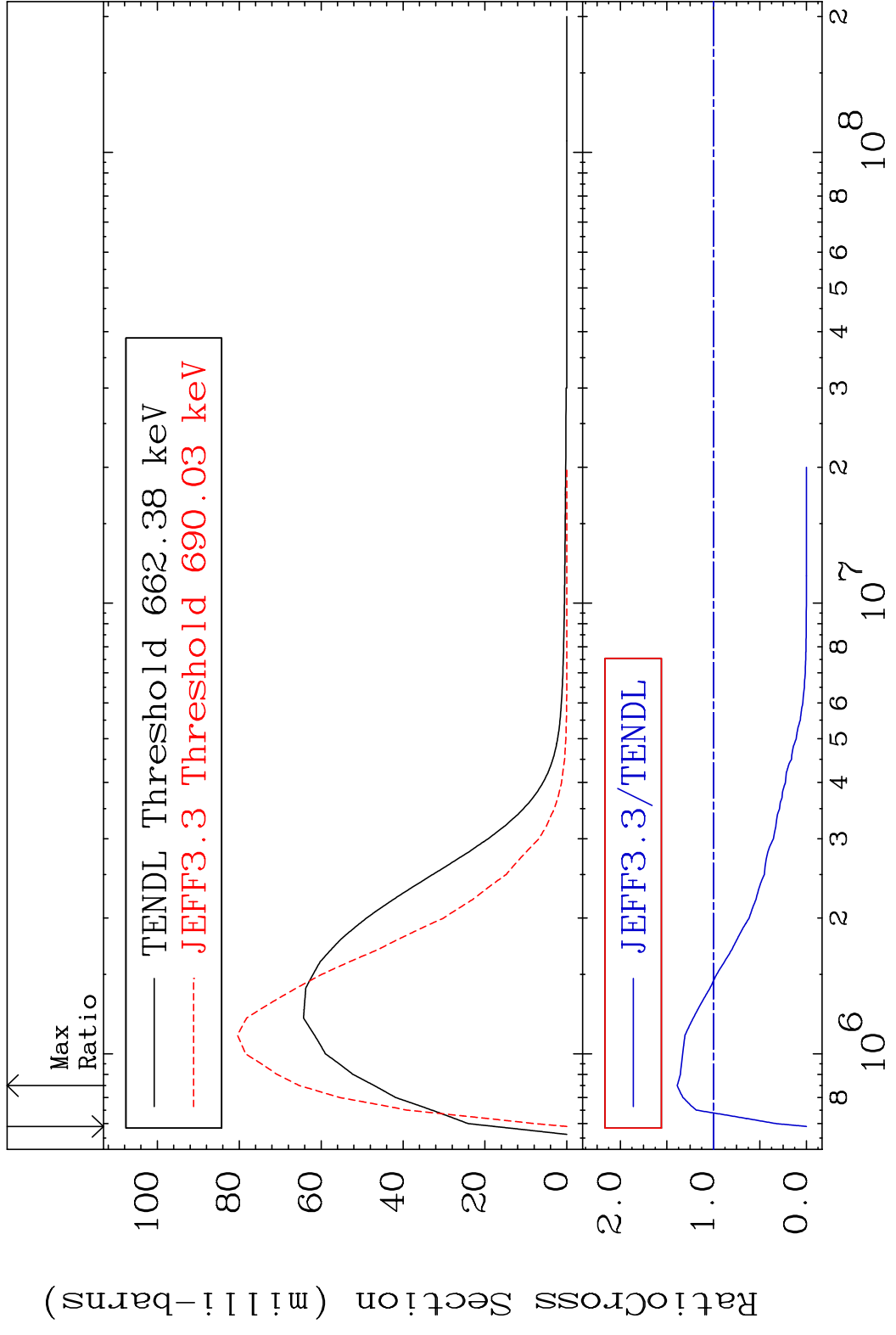
MAT 7725 MT= 66 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 6.807 %



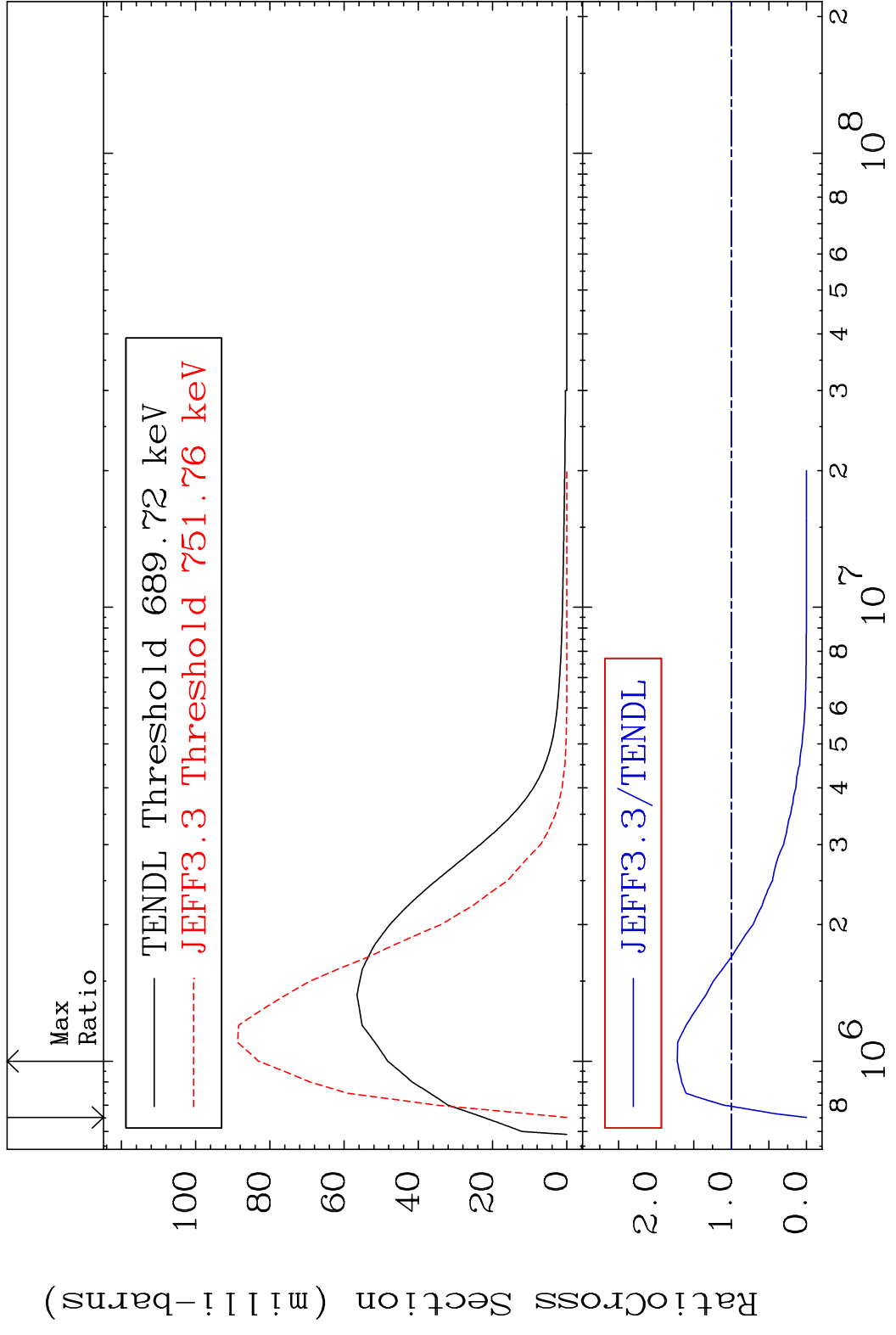
MAT 7725 MT= 67 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 1042. %

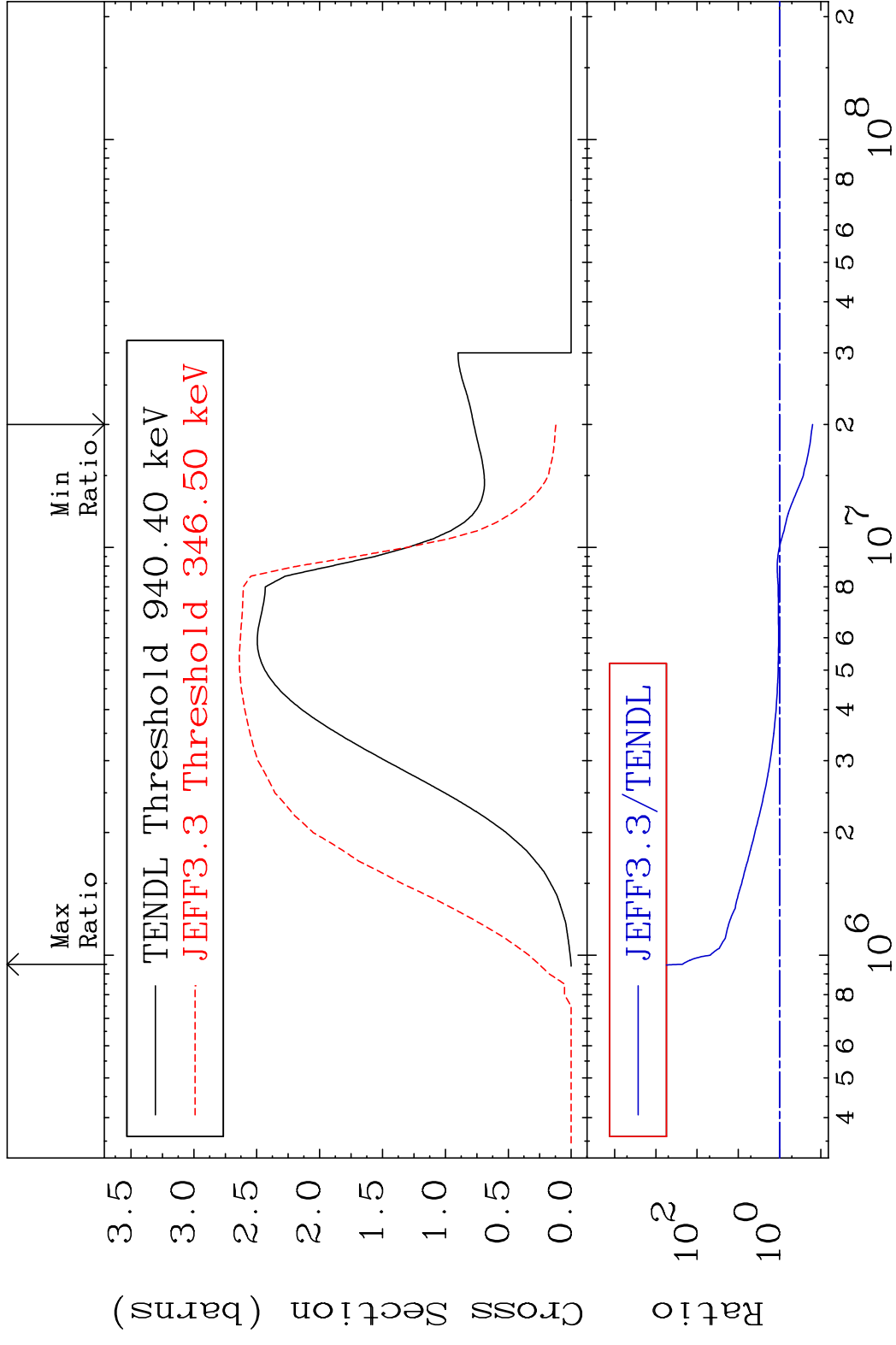


MAT 7725 MT= 68 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 38.89 %



MAT 7725 MT= 69 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 72.09 %



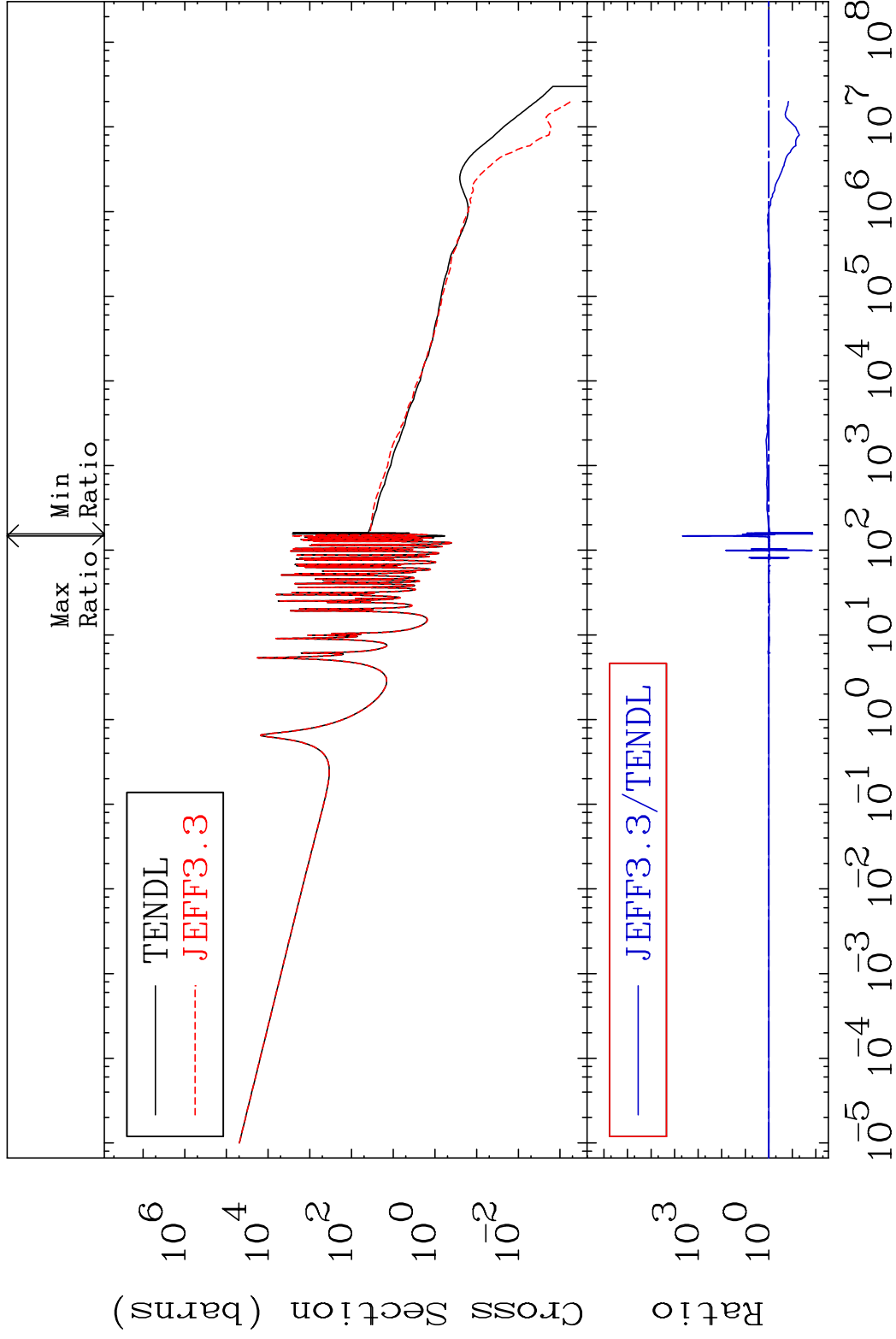


MAT 7725

(n,  $\gamma$ )

77-Ir-191

Cross Section -98.62 To 9999. %



30

Incident Energy (eV)

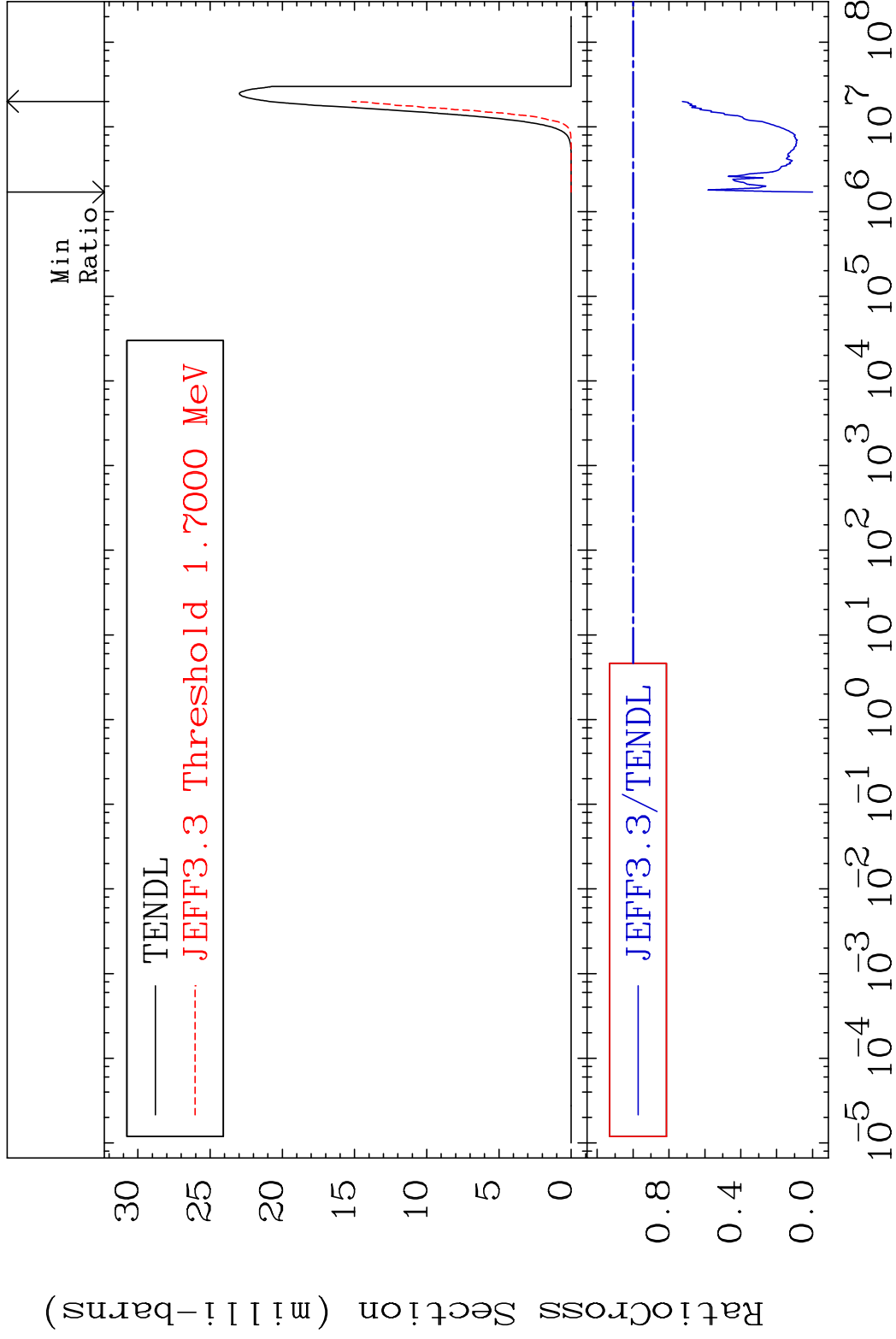
77-Ir-191

MAT 7725

(n, p)

77-Ir-191

Cross Section -100.0 To -27.46%



31

Incident Energy (eV)

77-Ir-191

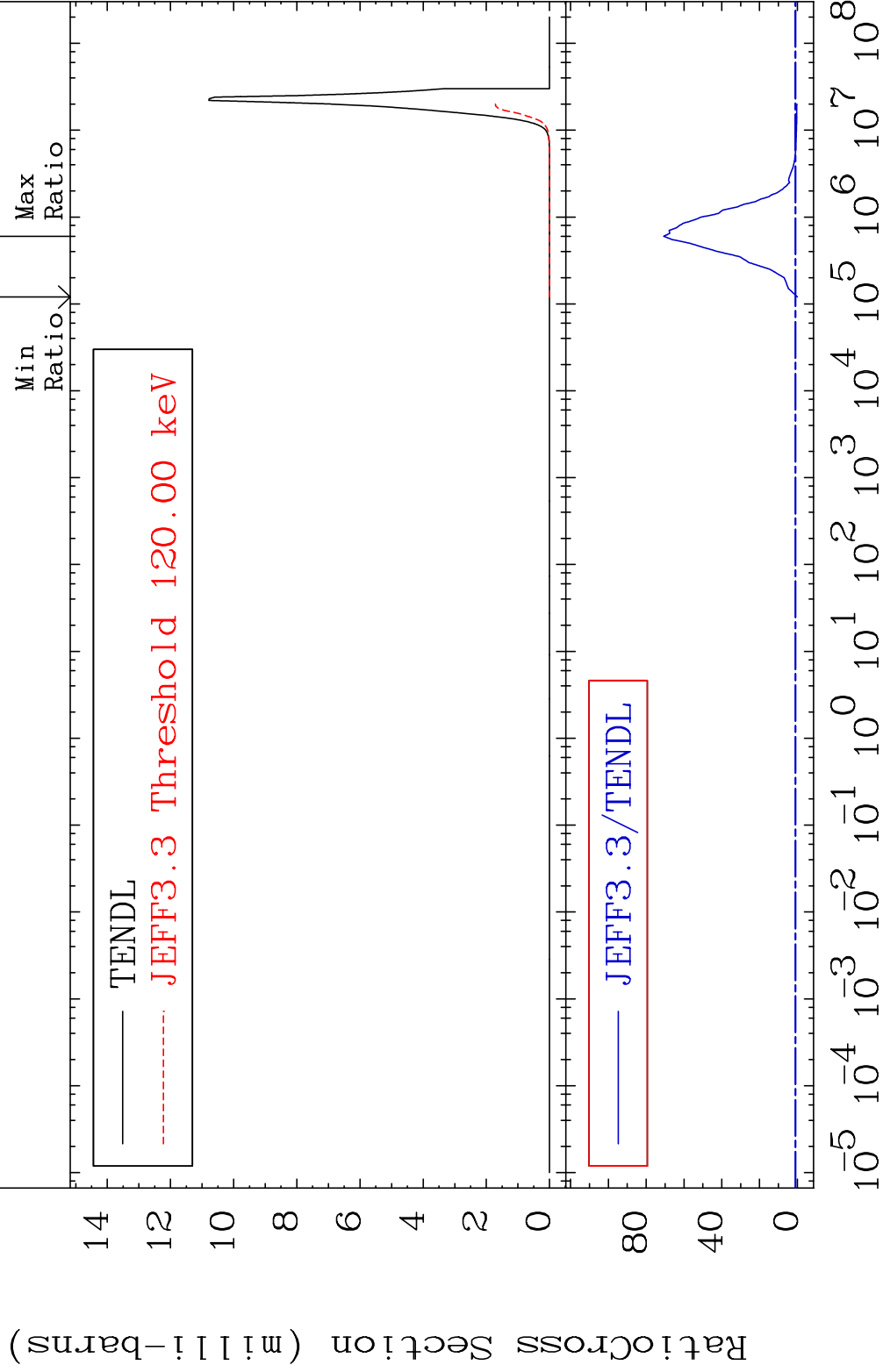


MAT 7725

(n,  $\alpha$ )

77-Ir-191

Cross Section -100.0 To 6974. %



32

Incident Energy (eV)

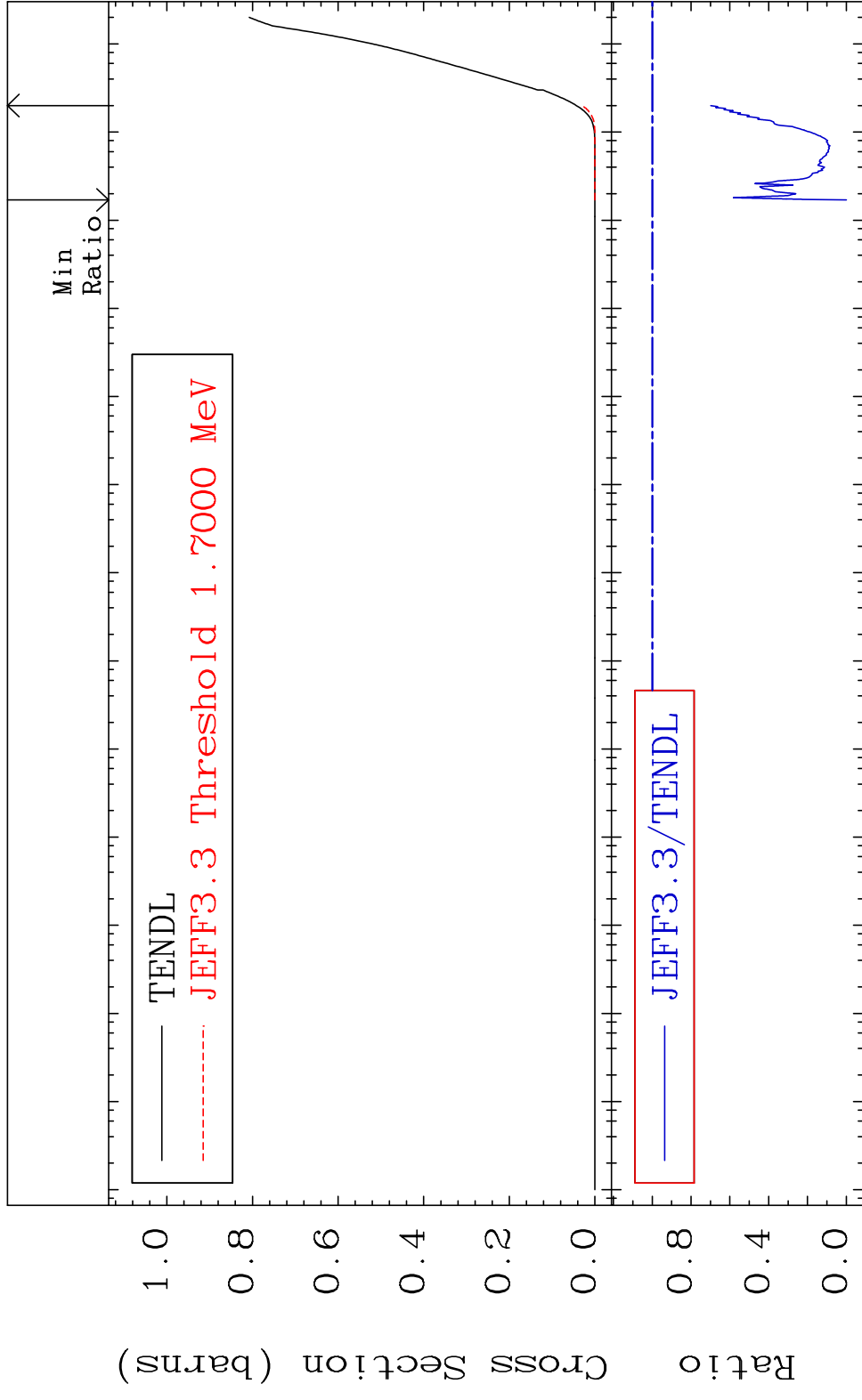
77-Ir-191

MAT 7725

Hydrogen Production

77-Ir-191

Cross Section -100.0 To -30.14%



33

Incident Energy (eV)

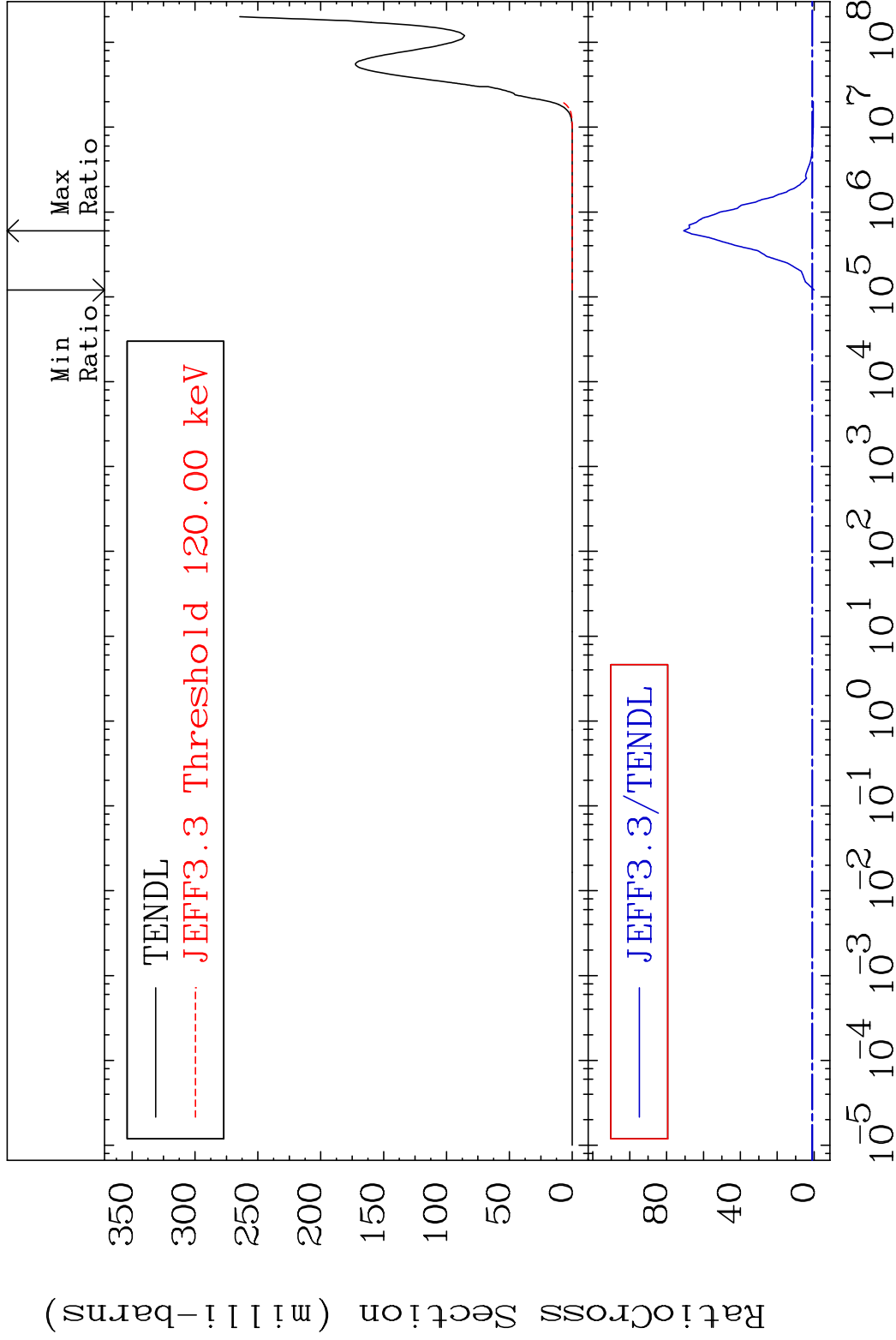
77-Ir-191

MAT 7725

He-4 Production

77-Ir-191

Cross Section -100.0 To 6974. %

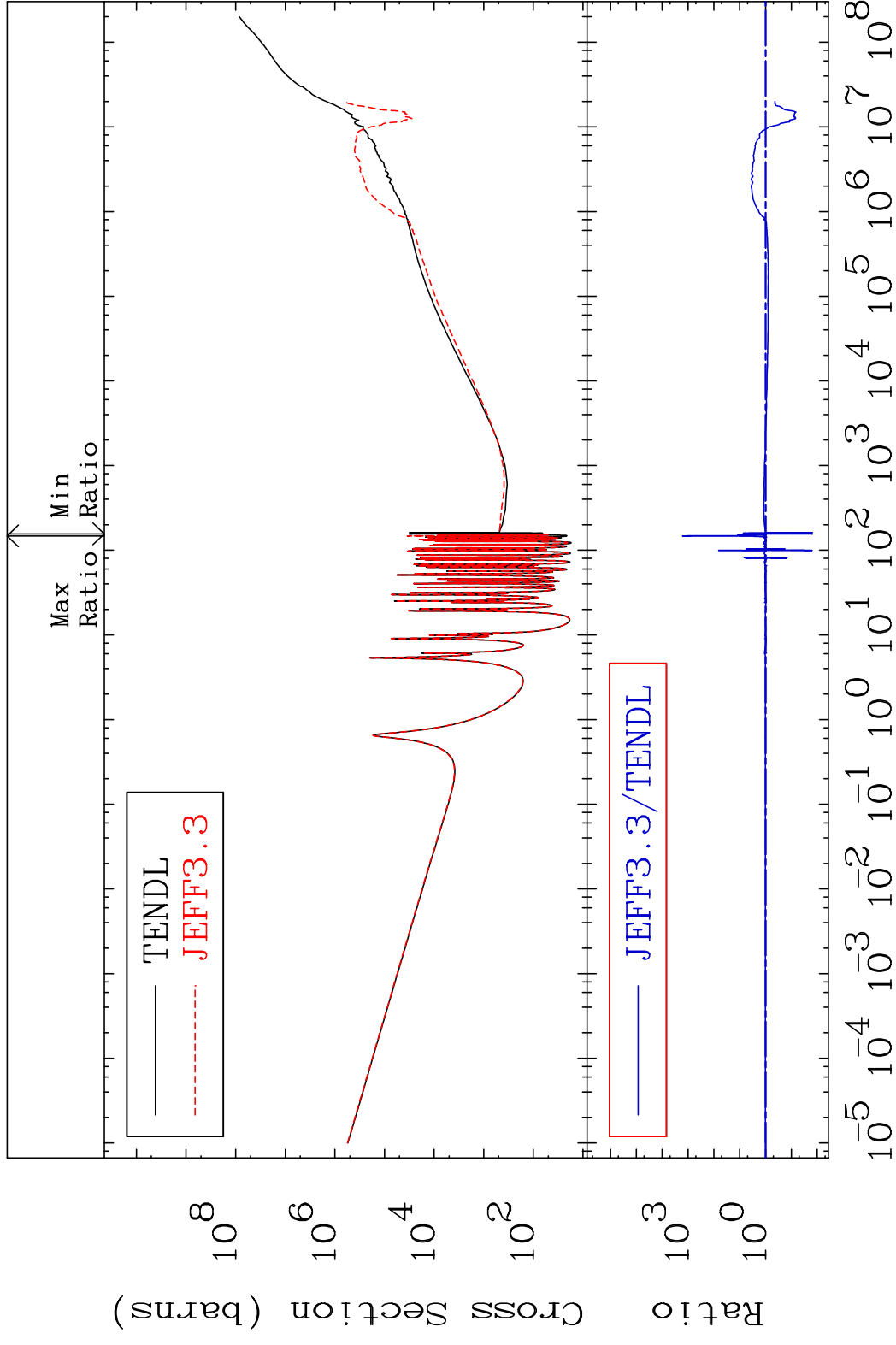


34

Incident Energy (eV)

77-Ir-191

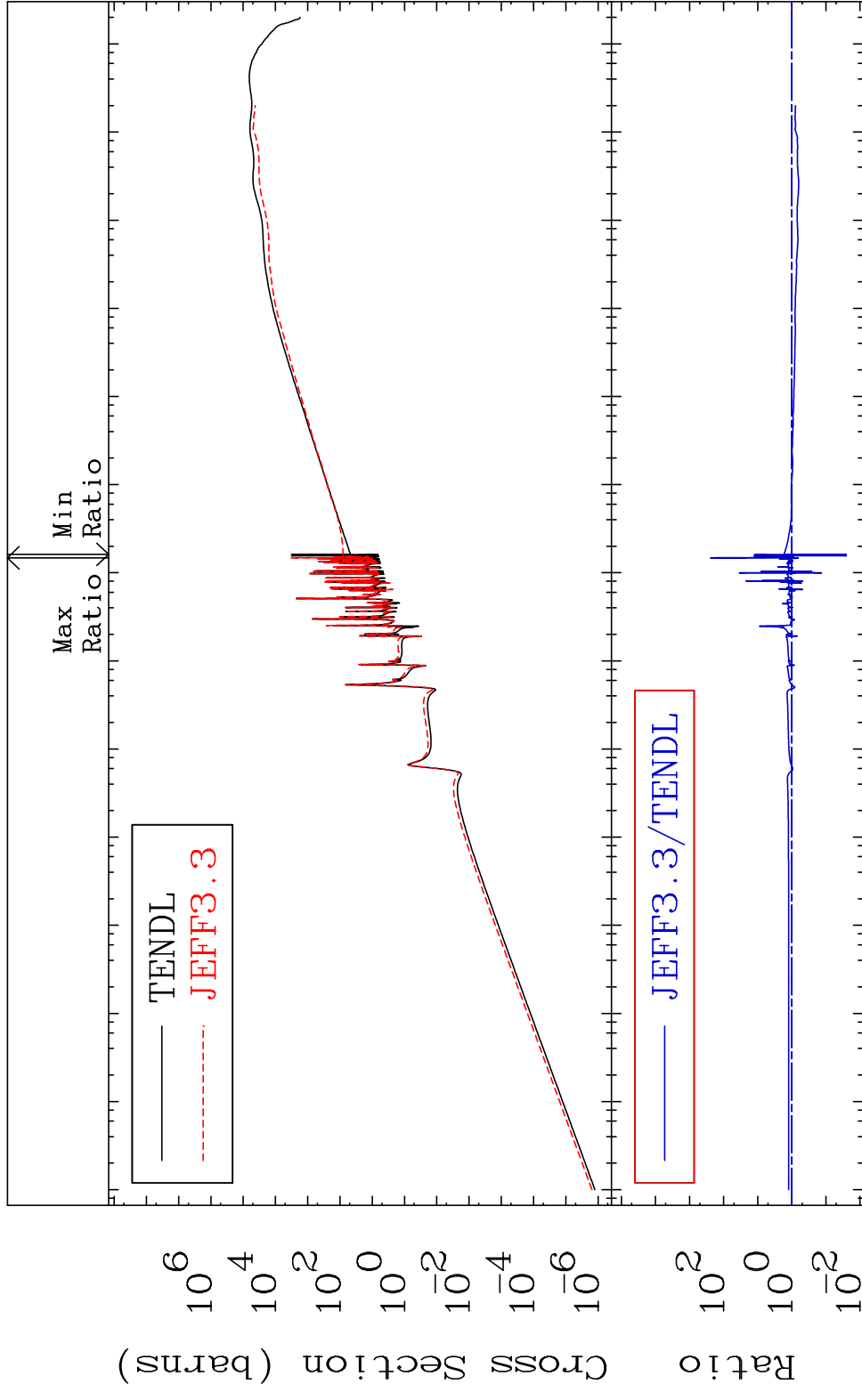
MAT 7725 Kerma total (eV-barns) 77-Ir-191  
 Cross Section -98.48 To 9999. %



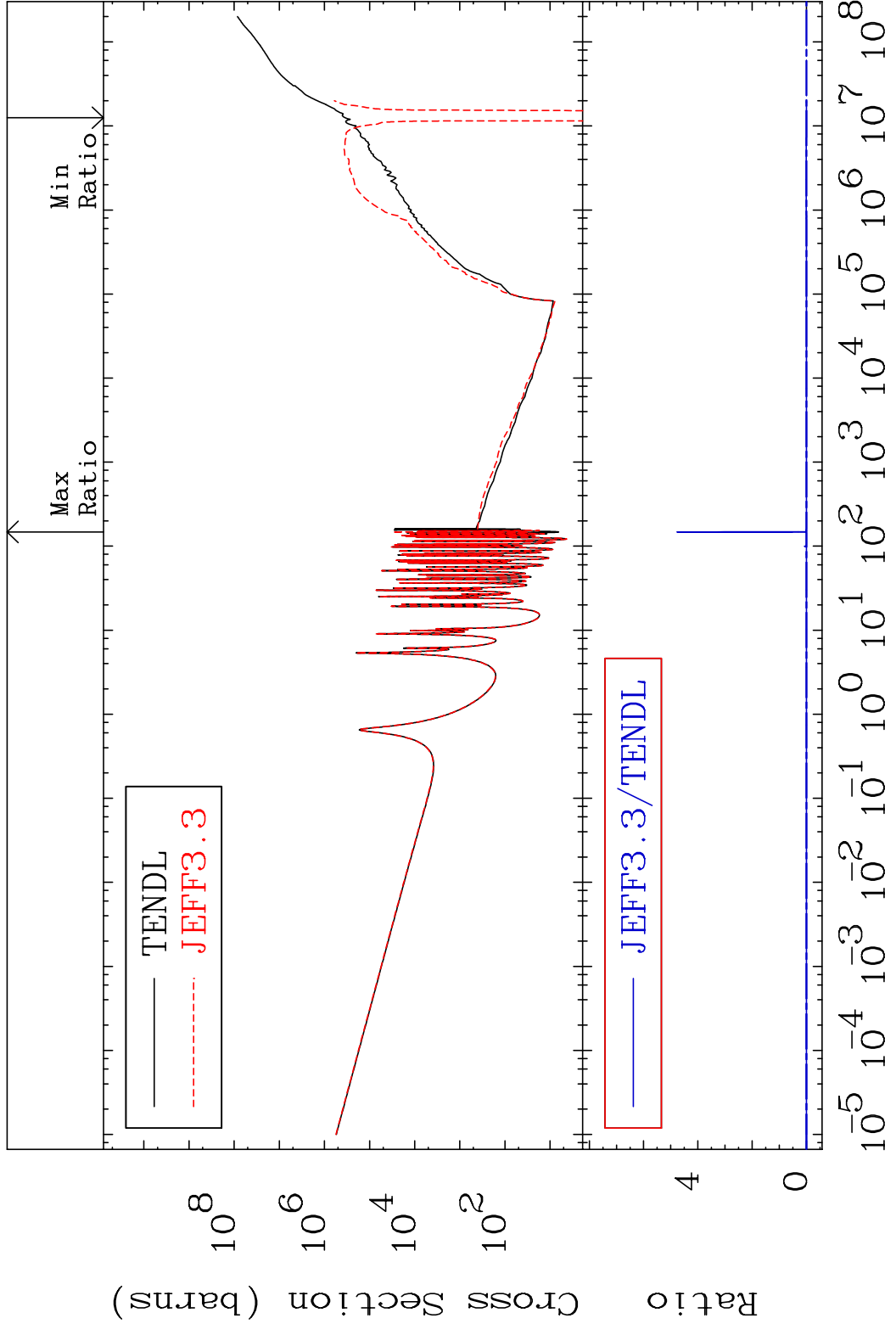
35 Incident Energy (eV) 77-Ir-191

MAT 7725

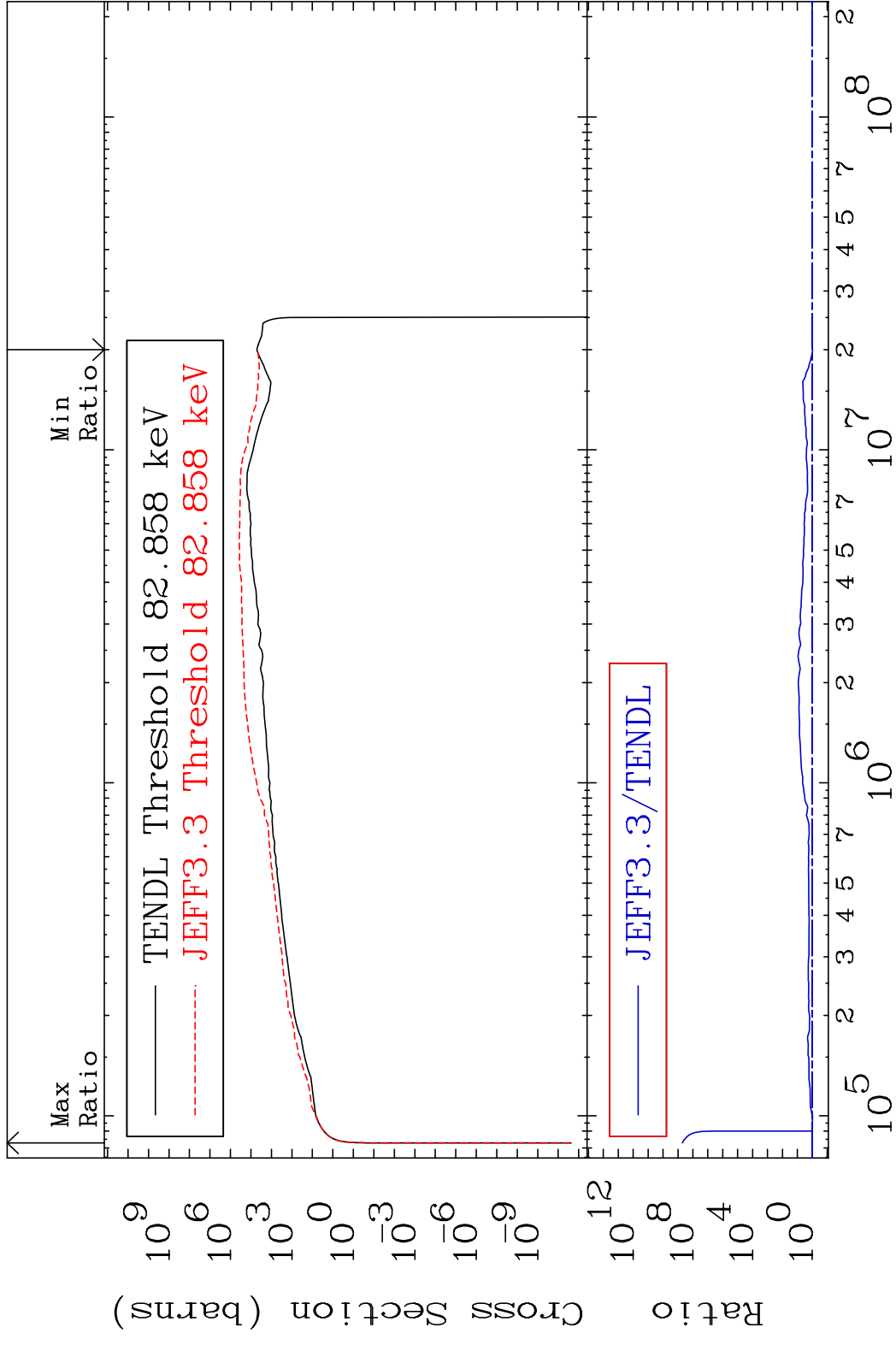
Kerma elastic Cross Section -97.48 To 9999. %  
77-Ir-191



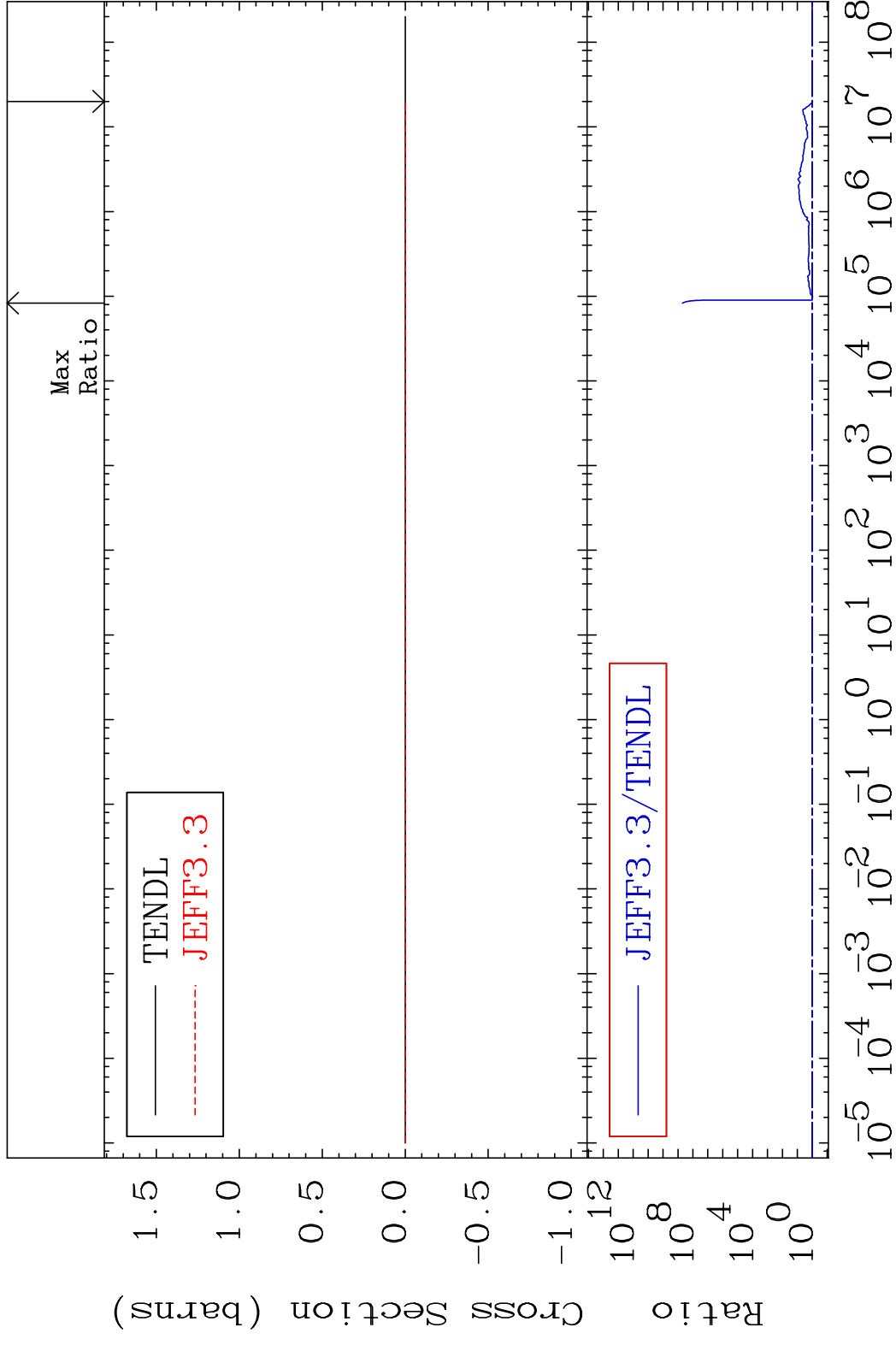
MAT 7725 Kerma non-elastic (all but mt2) 77-Ir-191  
 Cross Section -105.6 To 9999. %



MAT 7725 Kerma inelastic (mt51-91) 77-Ir-191  
 Cross Section -4.831 To 9999. %



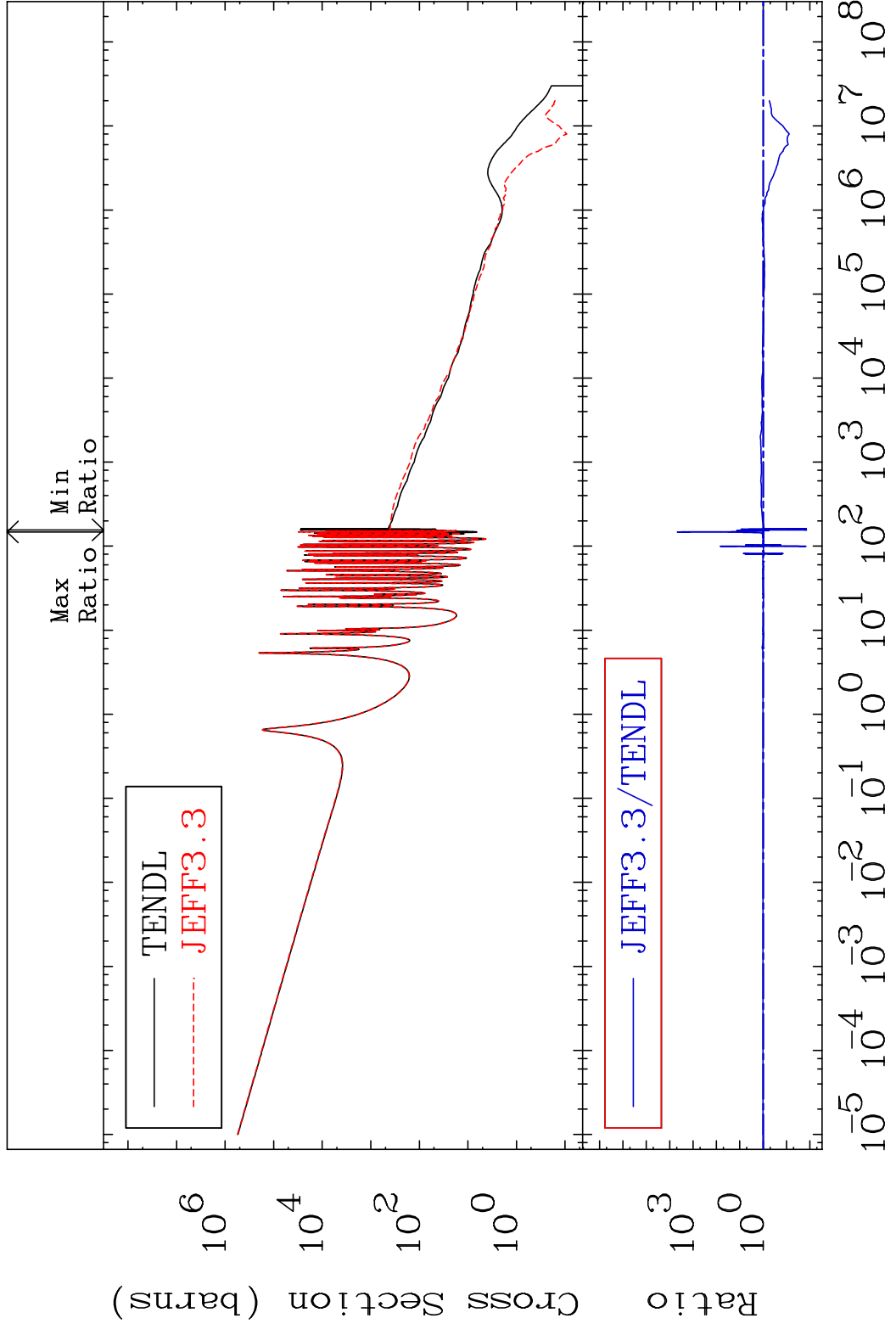
MAT 7725 Kerma fission (mt18 or mt19-20-21-38)77-Ir-191  
 Cross Section -4.831 To 9999. %





MAT 7725

Kerma capture (mt102) 77-Ir-191  
Cross Section -98.59 To 9999. %



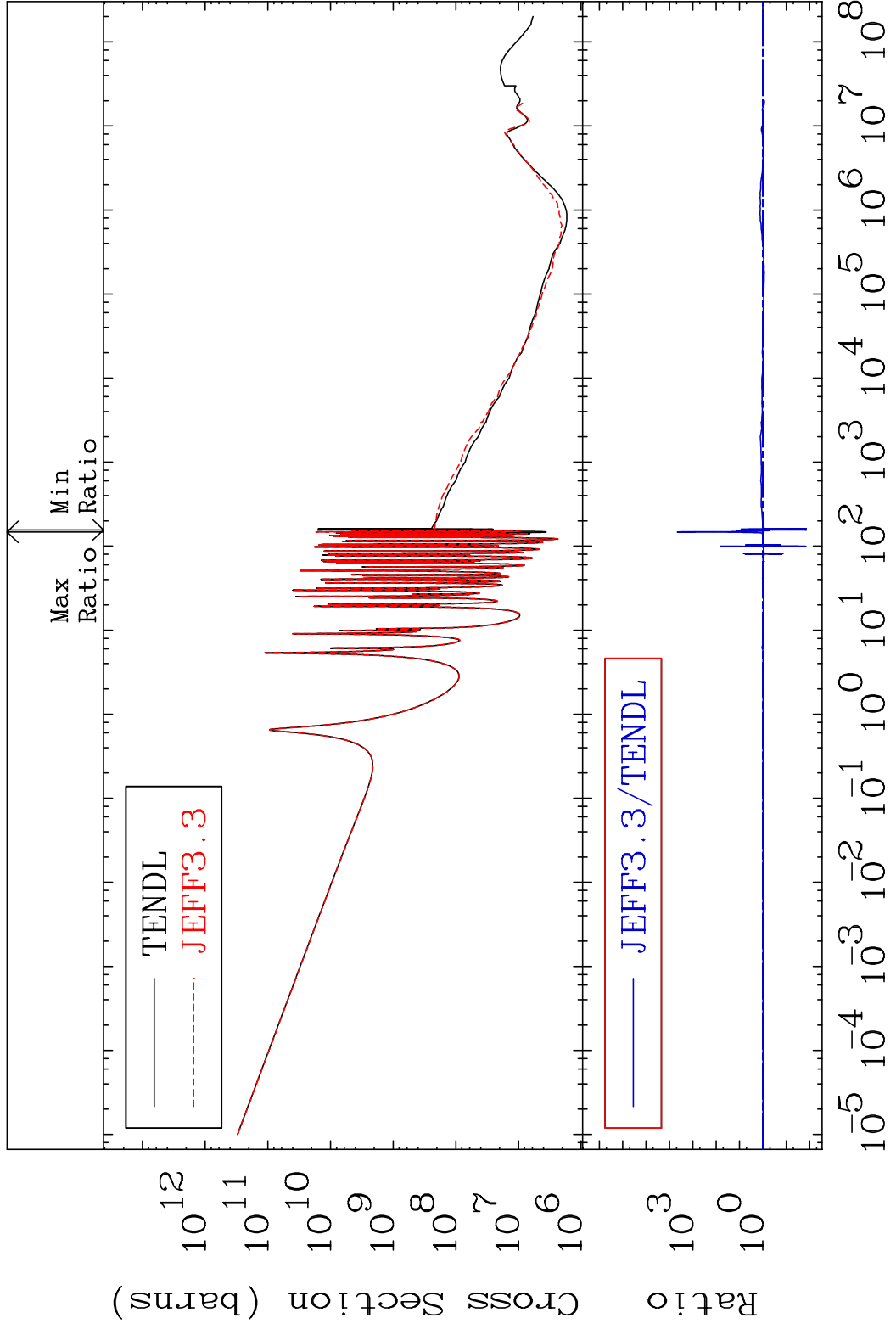
40

Incident Energy (eV)

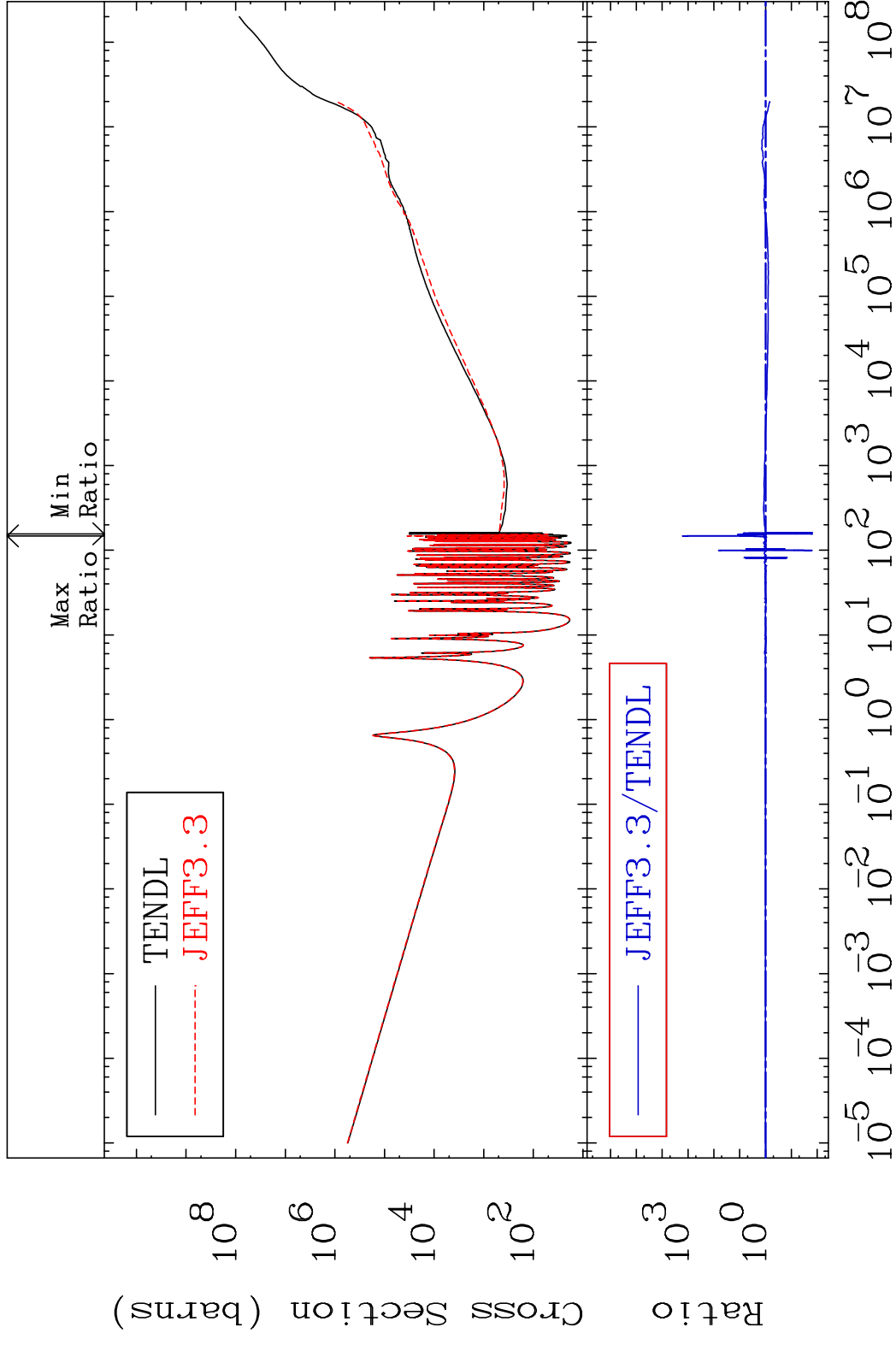
77-Ir-191

MAT 7725

Total photon (eV-barns) 77-Ir-191  
Cross Section -98.63 To 9999. %



MAT 7725 Total kinematic kerma (high limit) 77-Ir-191  
 Cross Section -98.48 To 9999. %

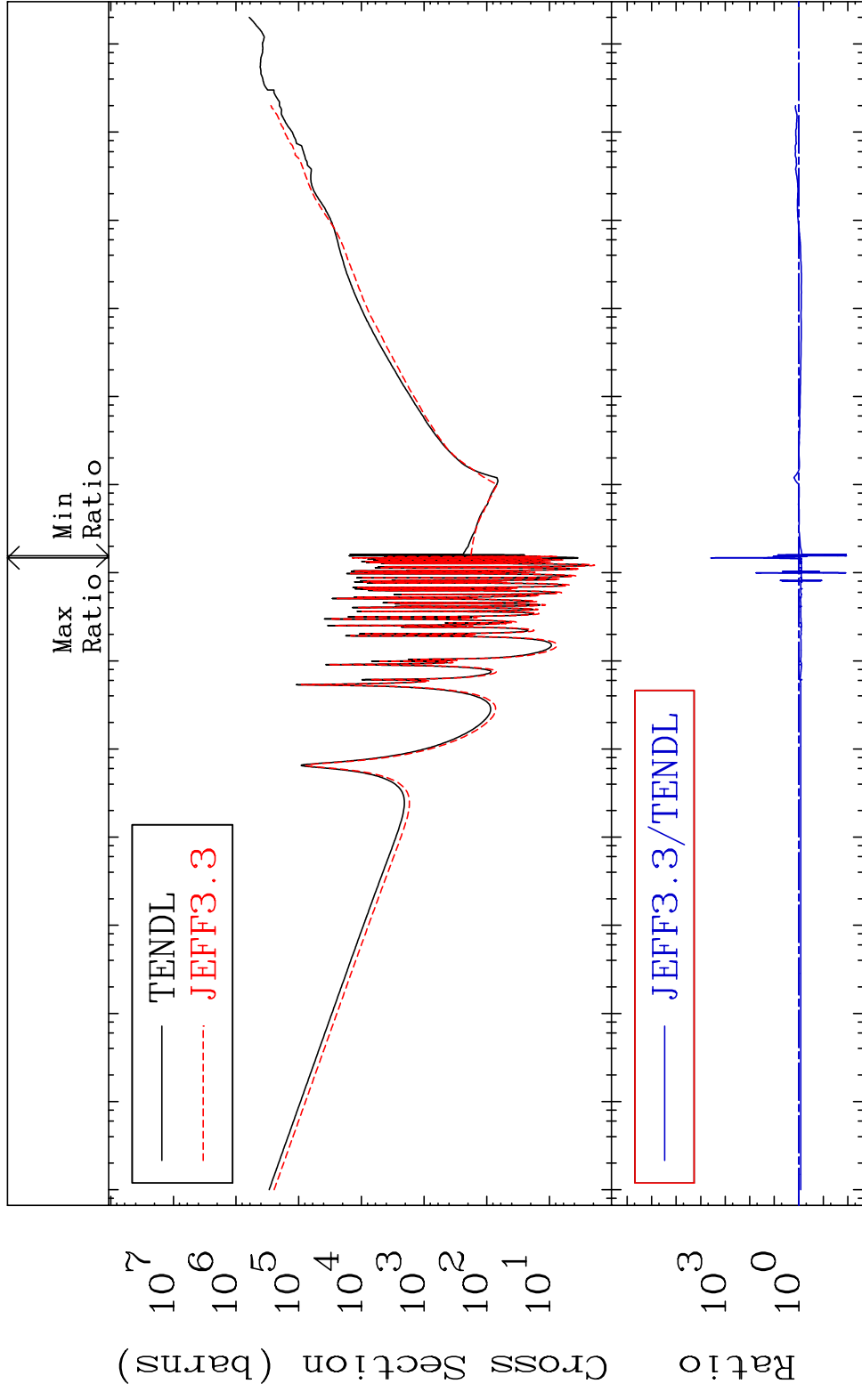


MAT 7725

Dpa total (eV-barns)

77-Ir-191

Cross Section -98.85 To 9999. %



43

Incident Energy (eV)

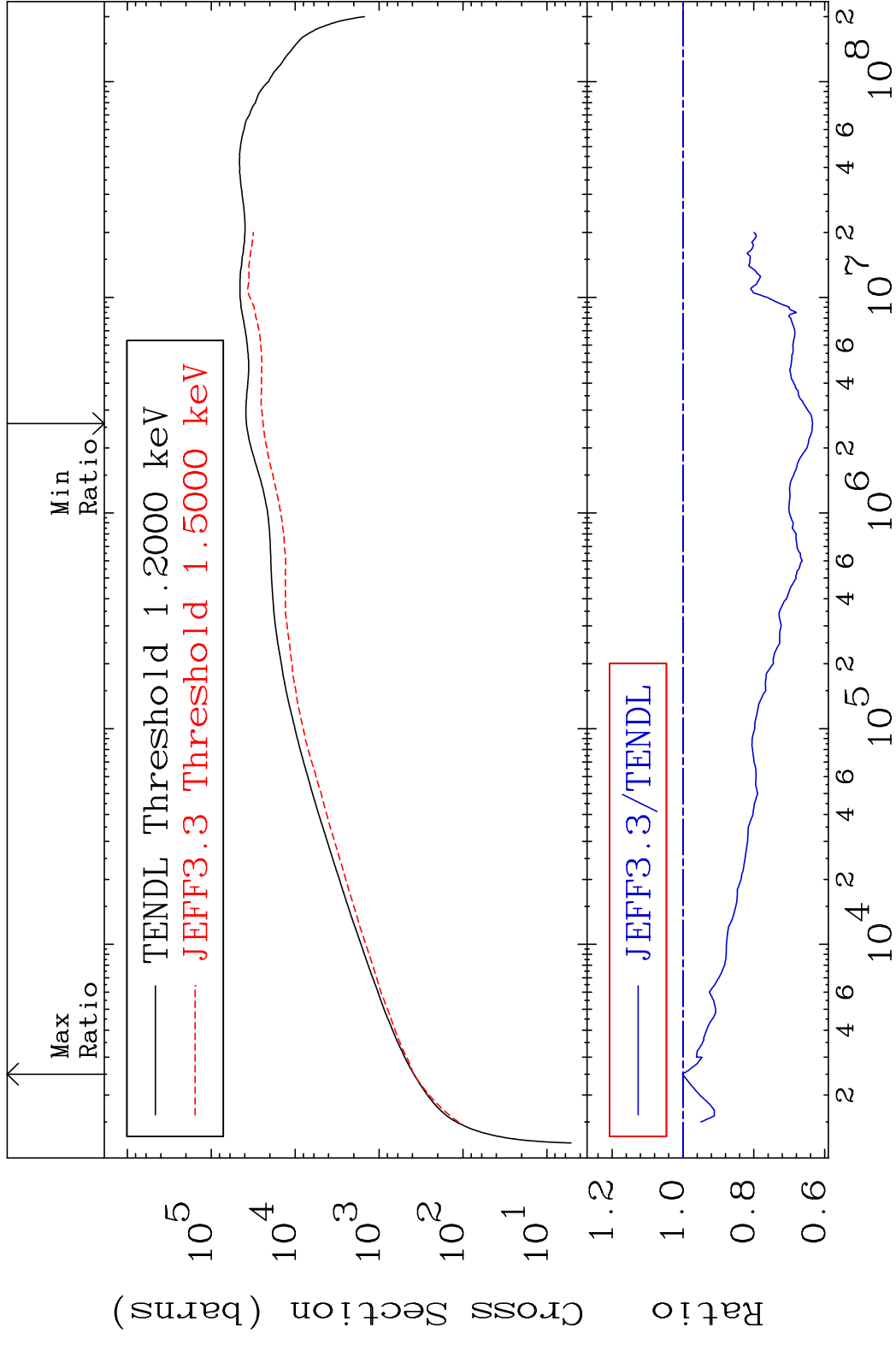
77-Ir-191

MAT 7725

Dpa elastic (mt2)

77-Ir-191

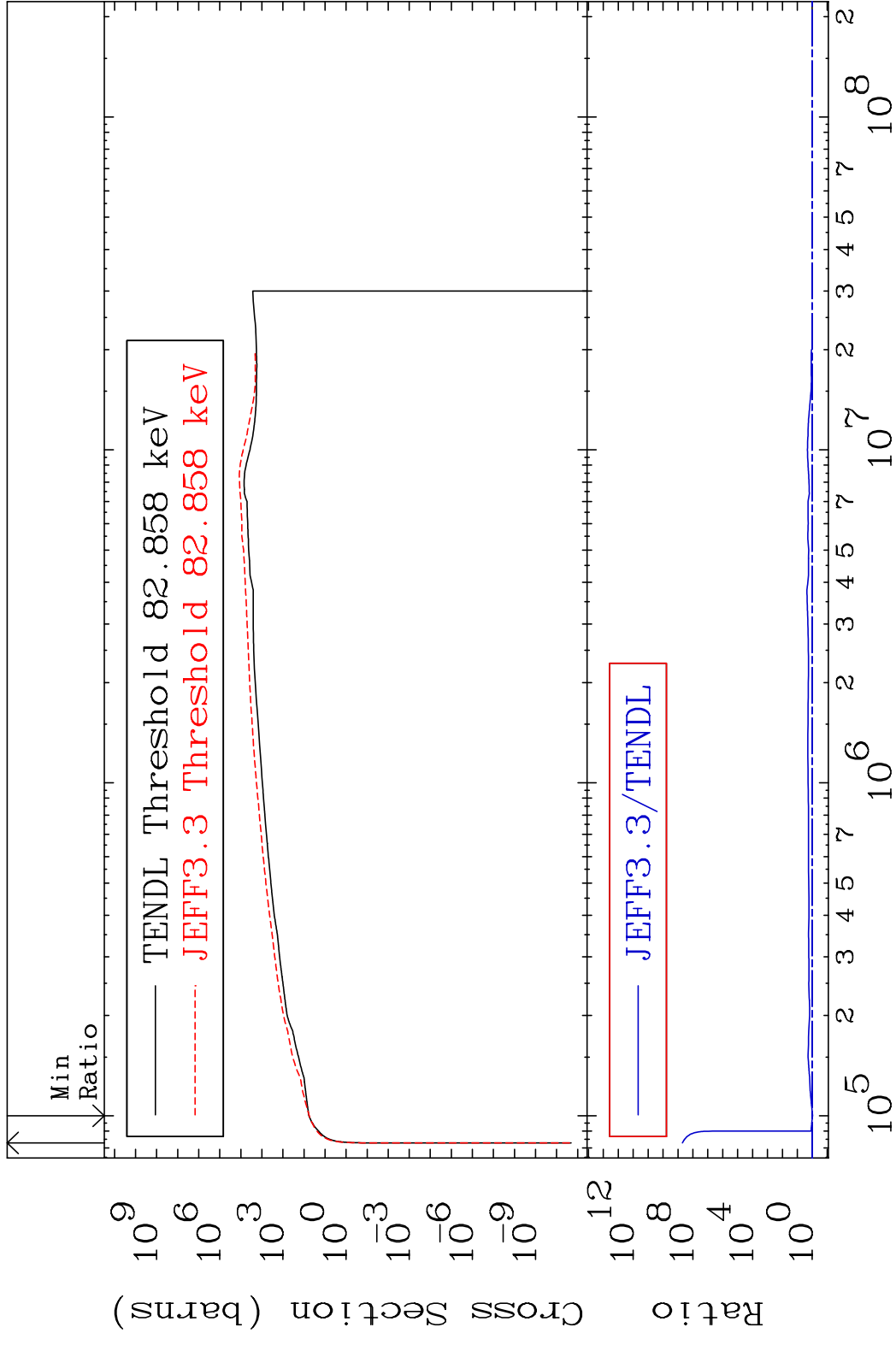
Cross Section -36.56 To 0.173 %



MAT 7725

Dpa inelastic (mt51-91) 77-Ir-191

Cross Section -4.549 To 9999. %

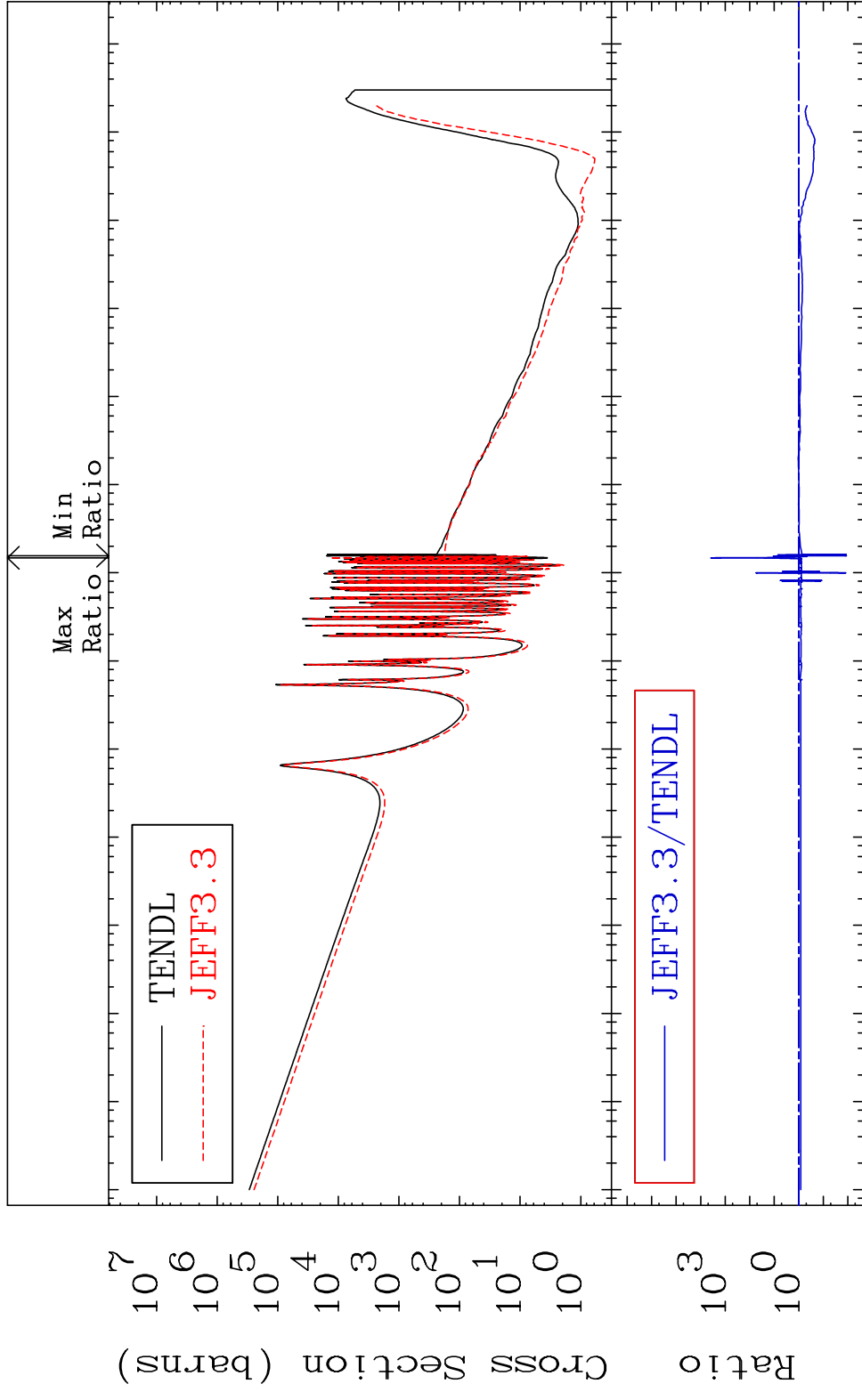


45

Incident Energy (eV)

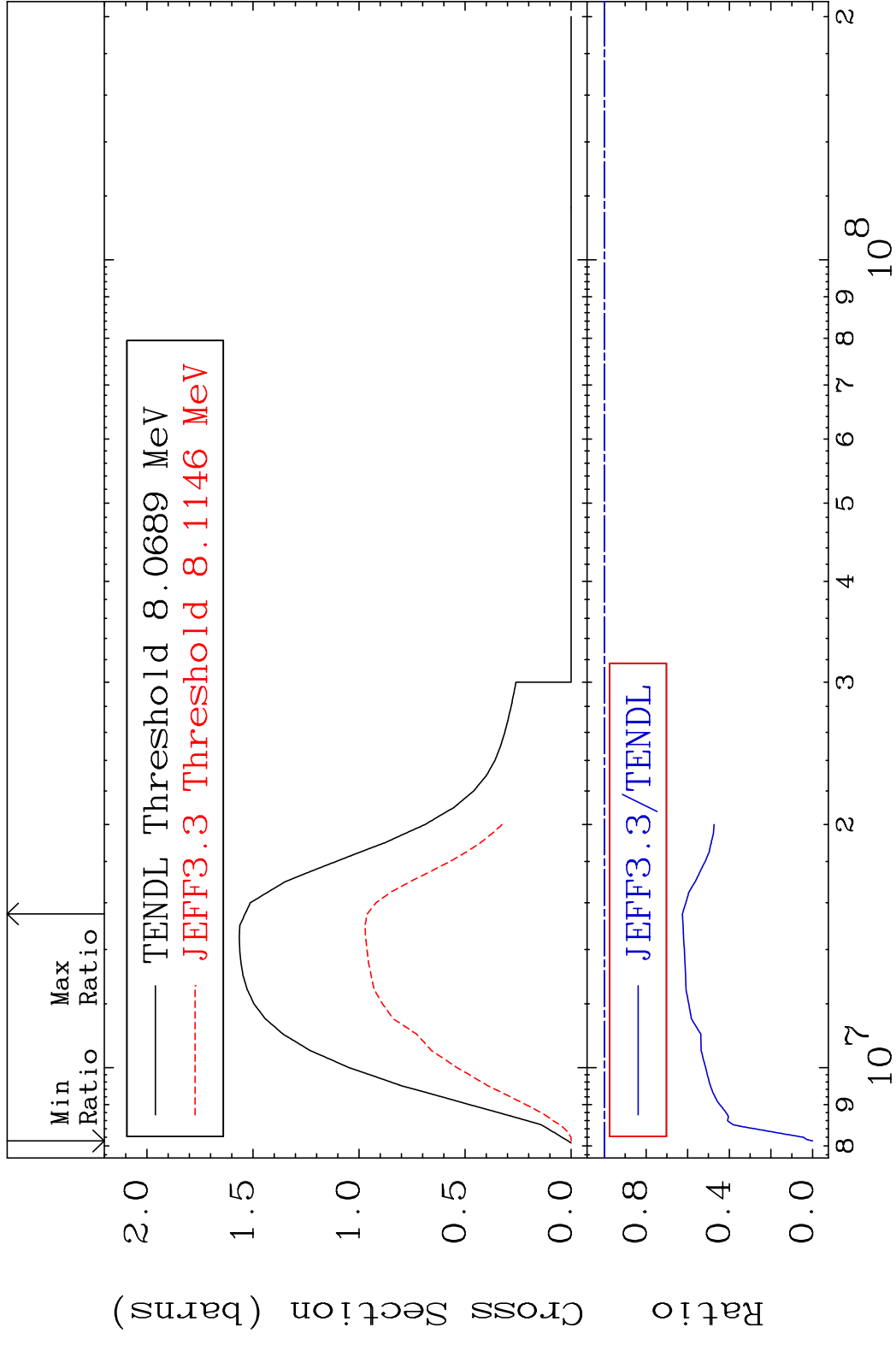
77-Ir-191

MAT 7725 Dpa disappearance (mt102 -120) 77-Ir-191  
 Cross Section -98.85 To 9999. %



Ratio  
 $10^3$   
 $10^0$   
 $10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$   
 Incident Energy (eV)

MAT 7725 (n,2n):77-Ir-190g 77-Ir-191  
 Radionuclide Production Cross Section Ratio -37.44%





MAT 7725 (n,2n):77-Ir-190m2 77-Ir-191  
 Radionuclide Production Cross Section 470.8 %

