

Program Complot  
(Version 2021-1)

by

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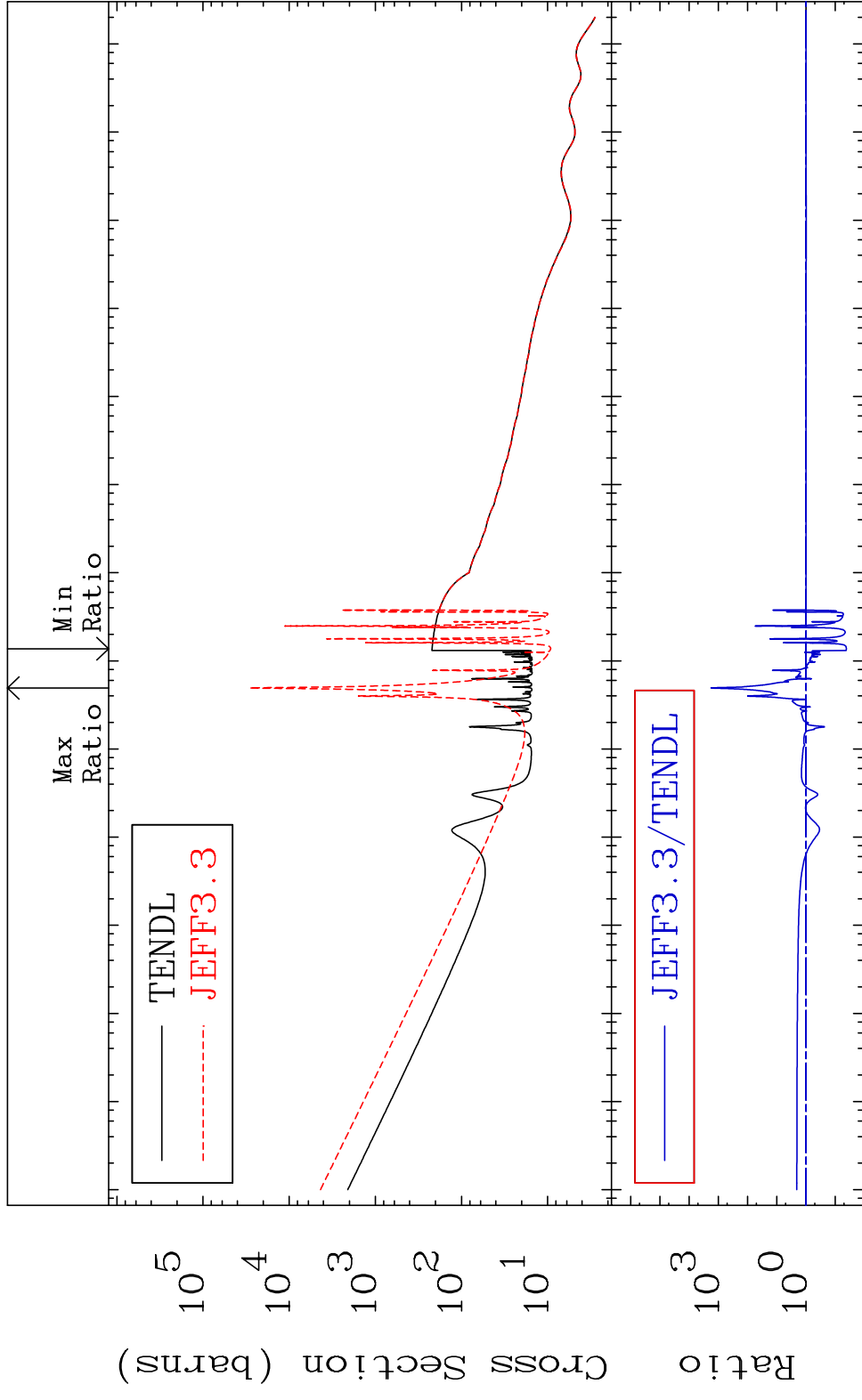
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E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7722

Total Cross Section -95.80 To 9999. %  
77-Ir-190



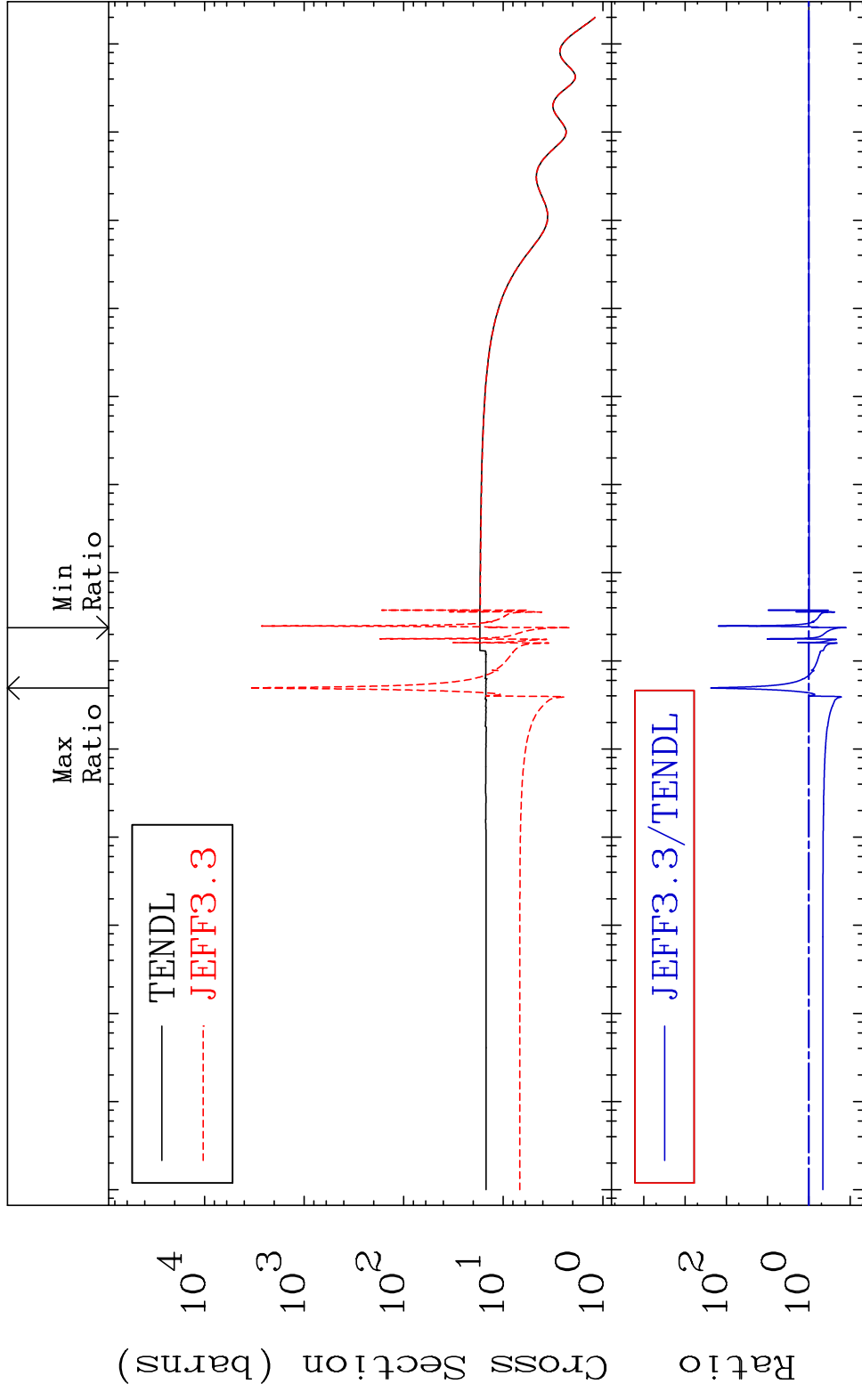
1

Incident Energy (eV)

77-Ir-190

MAT 7722

Elastic Cross Section -87.60 To 9999. %  
77-Ir-190

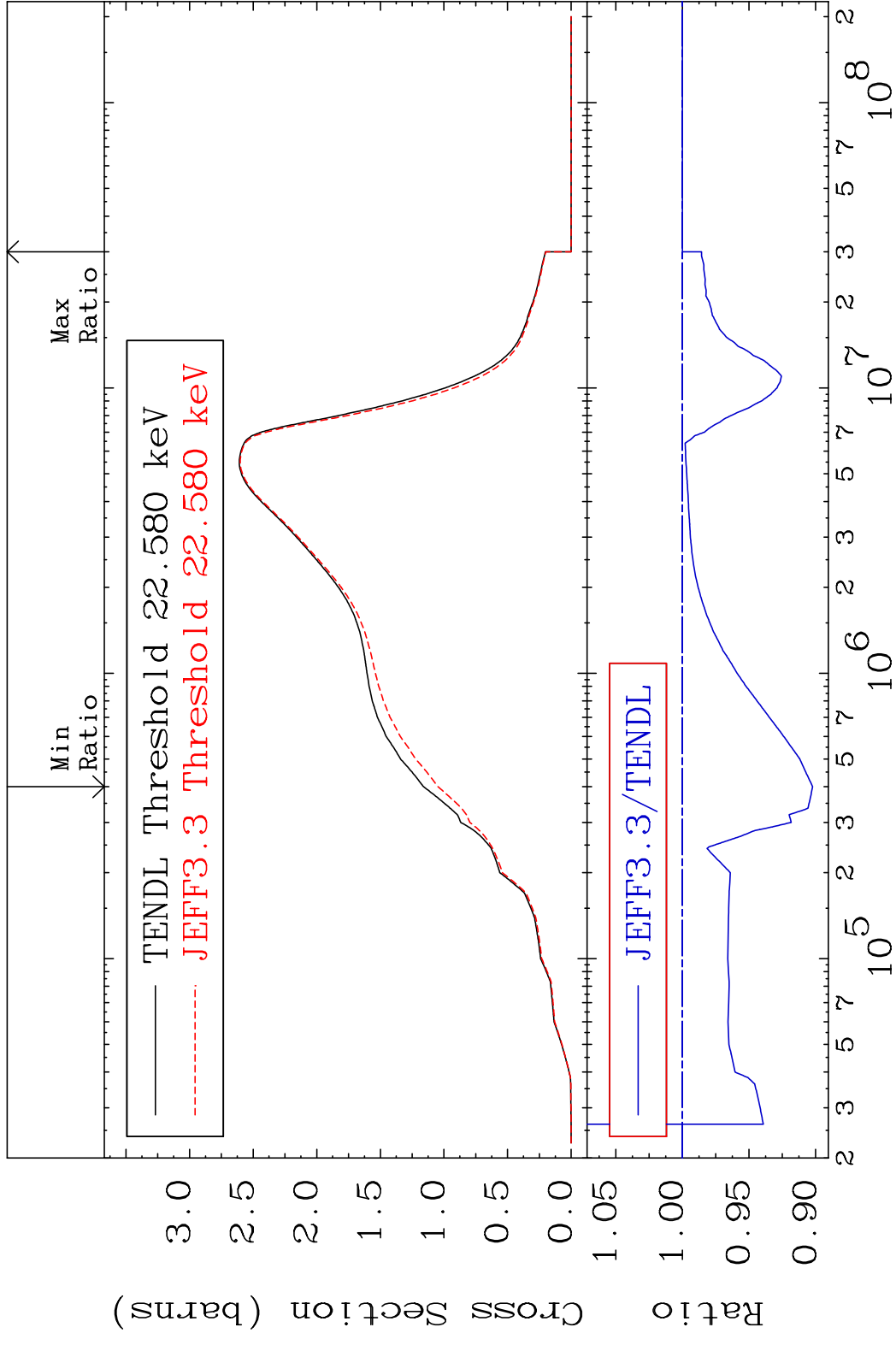


MAT 7722

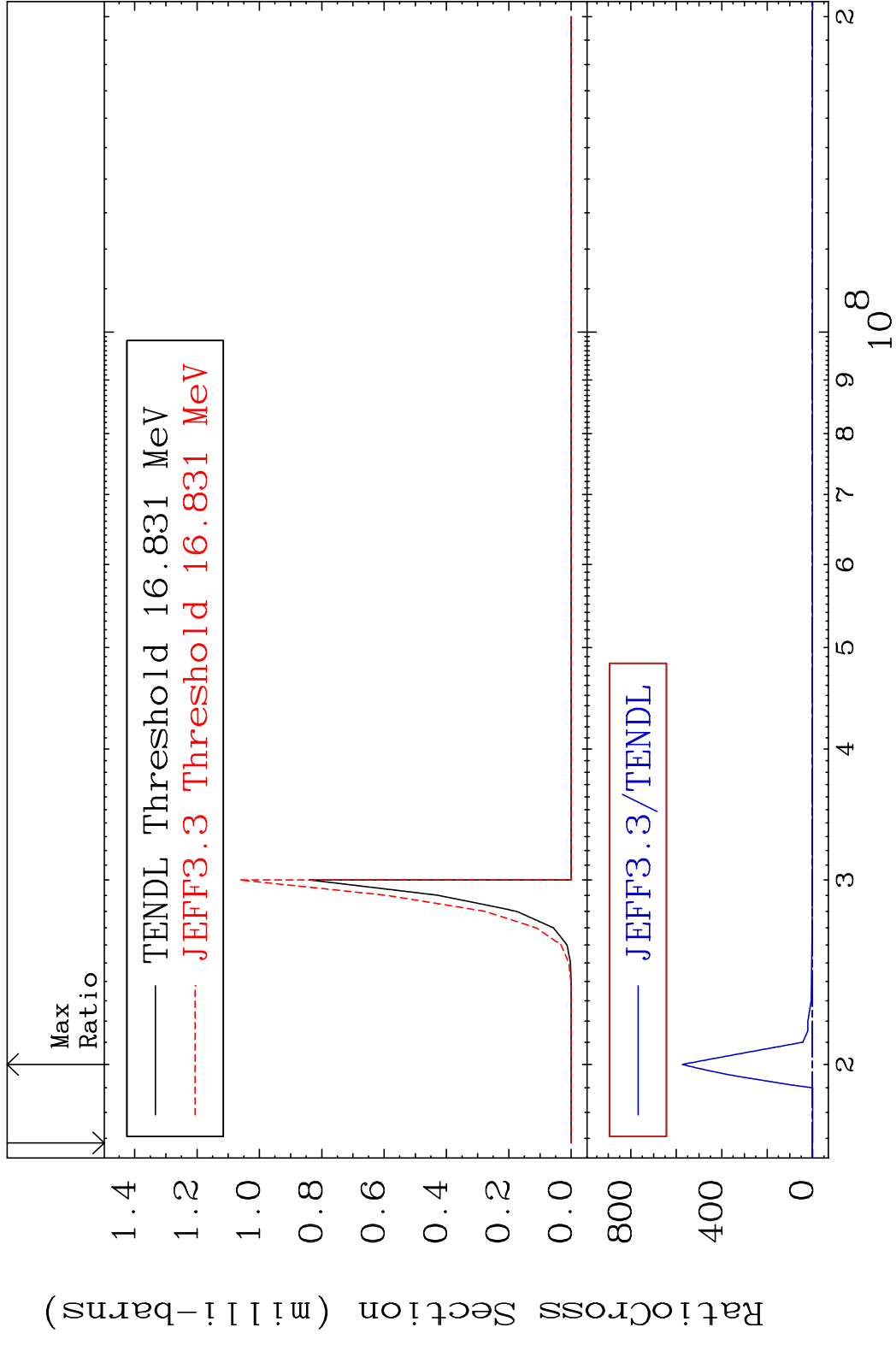
Inelastic

77-Ir-190

Cross Section -9.768 To 0.000 %



MAT 7722 (n,2n) d 77-Ir-190  
 Cross Section -100.0 To 9999. %



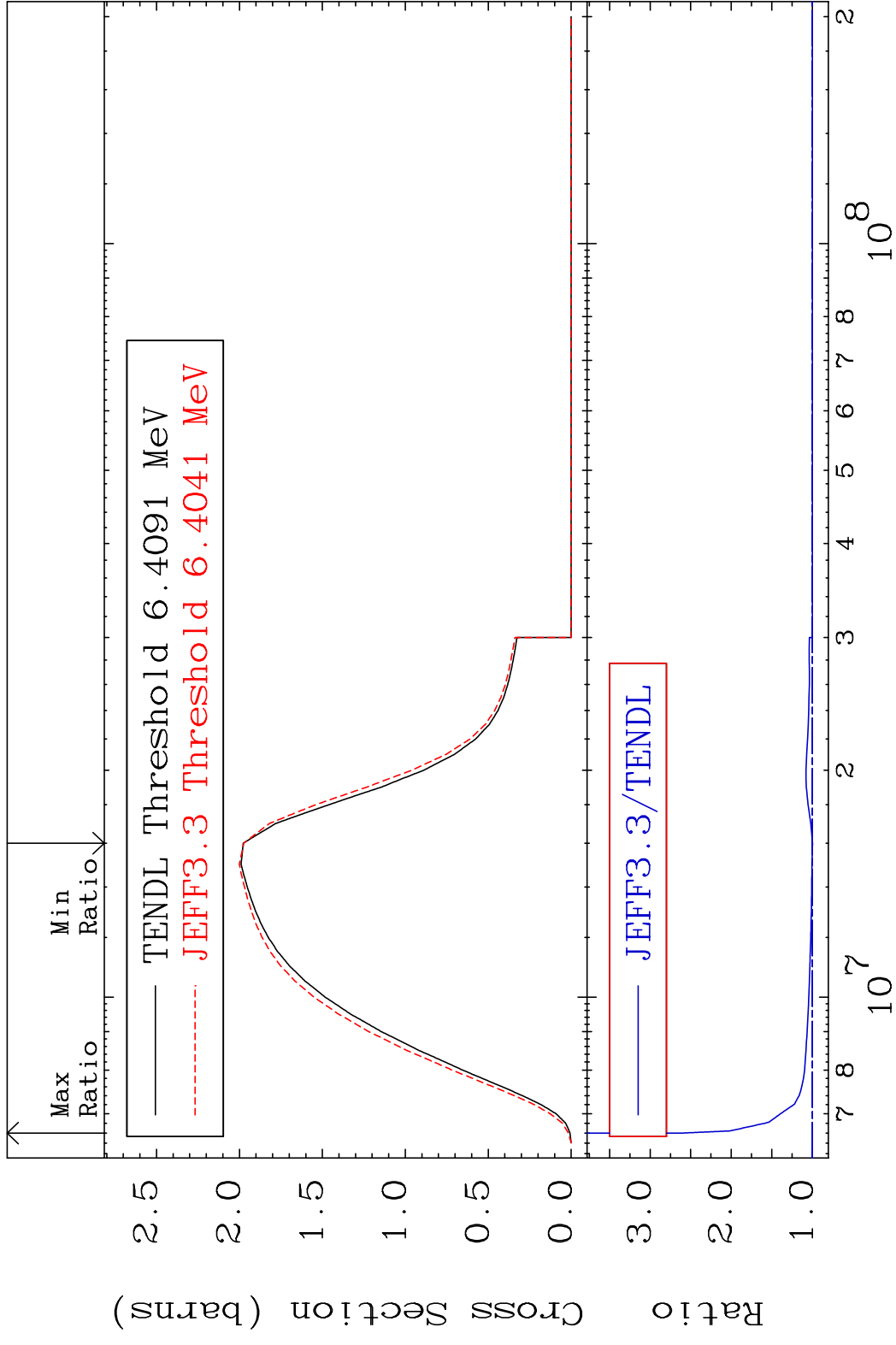
4 Incident Energy (eV) 77-Ir-190

MAT 7722

(n,2n)

77-Ir-190

Cross Section -0.161 To 160.3 %



5

Incident Energy (eV)

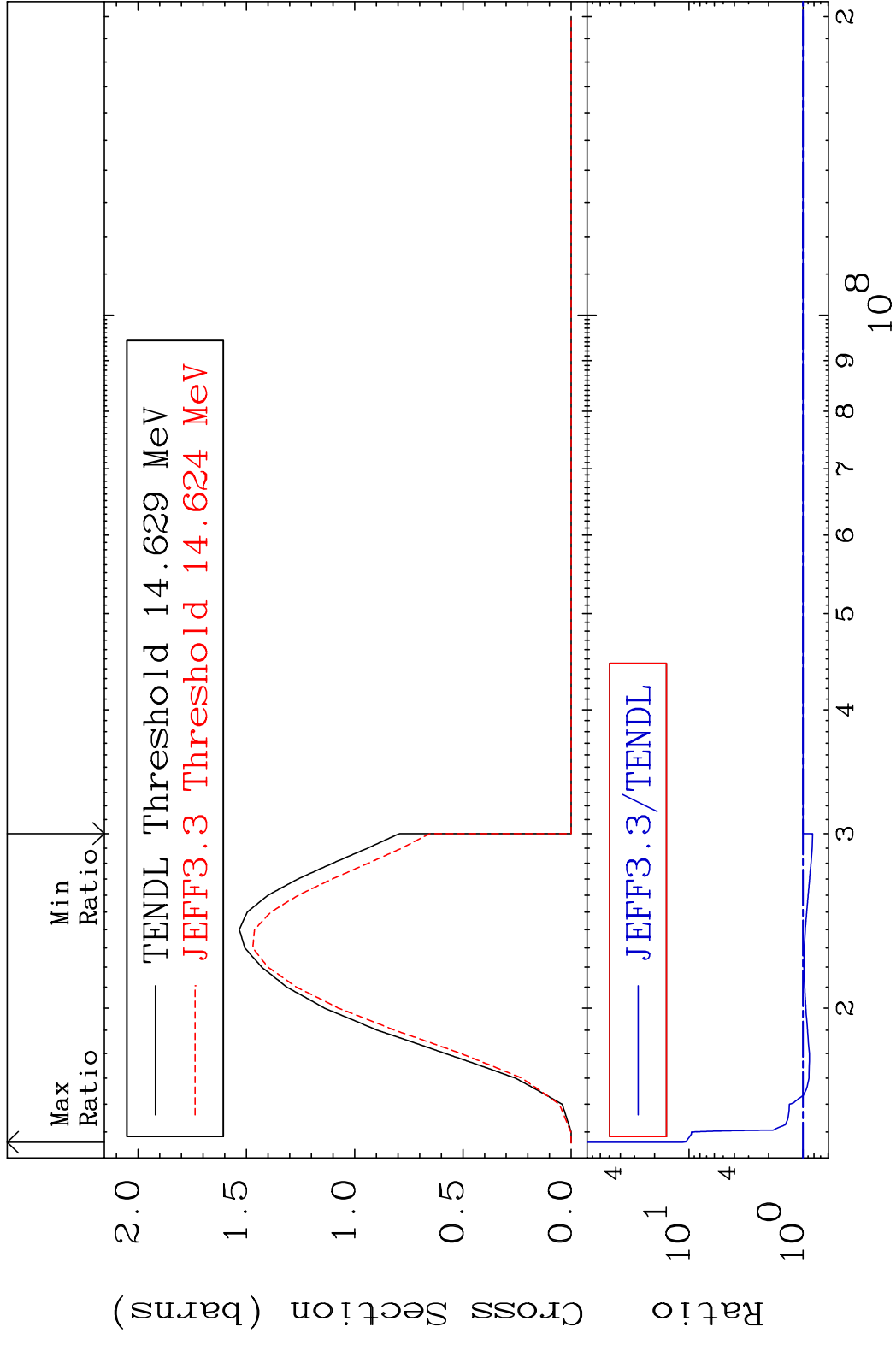
77-Ir-190

MAT 7722

(n,3n)

77-Ir-190

Cross Section -17.66 To 1043. %

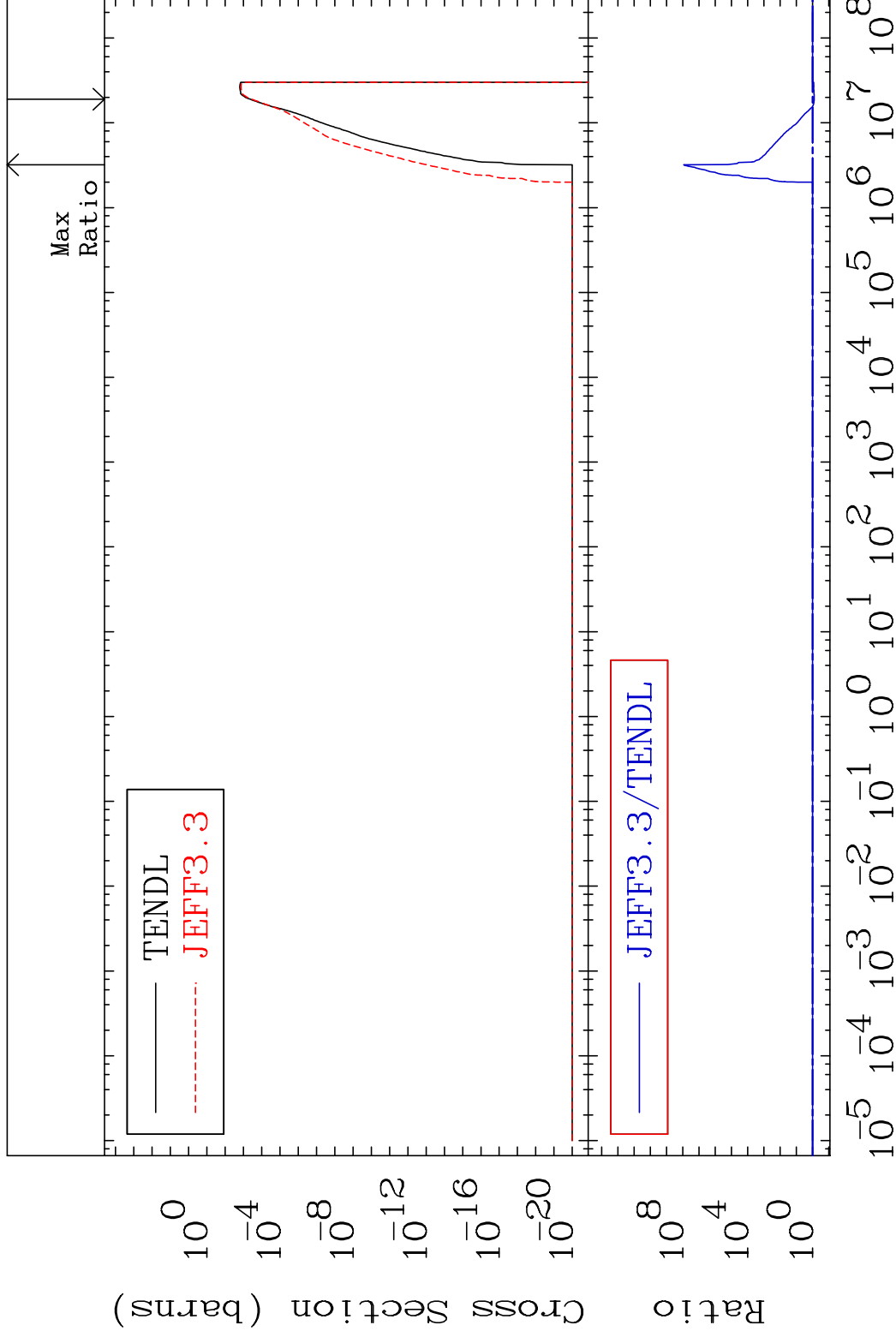


MAT 7722

(n, n')  $\alpha$

77-Ir-190

Cross Section -19.20 To 9999. %



7

Incident Energy (eV)

77-Ir-190

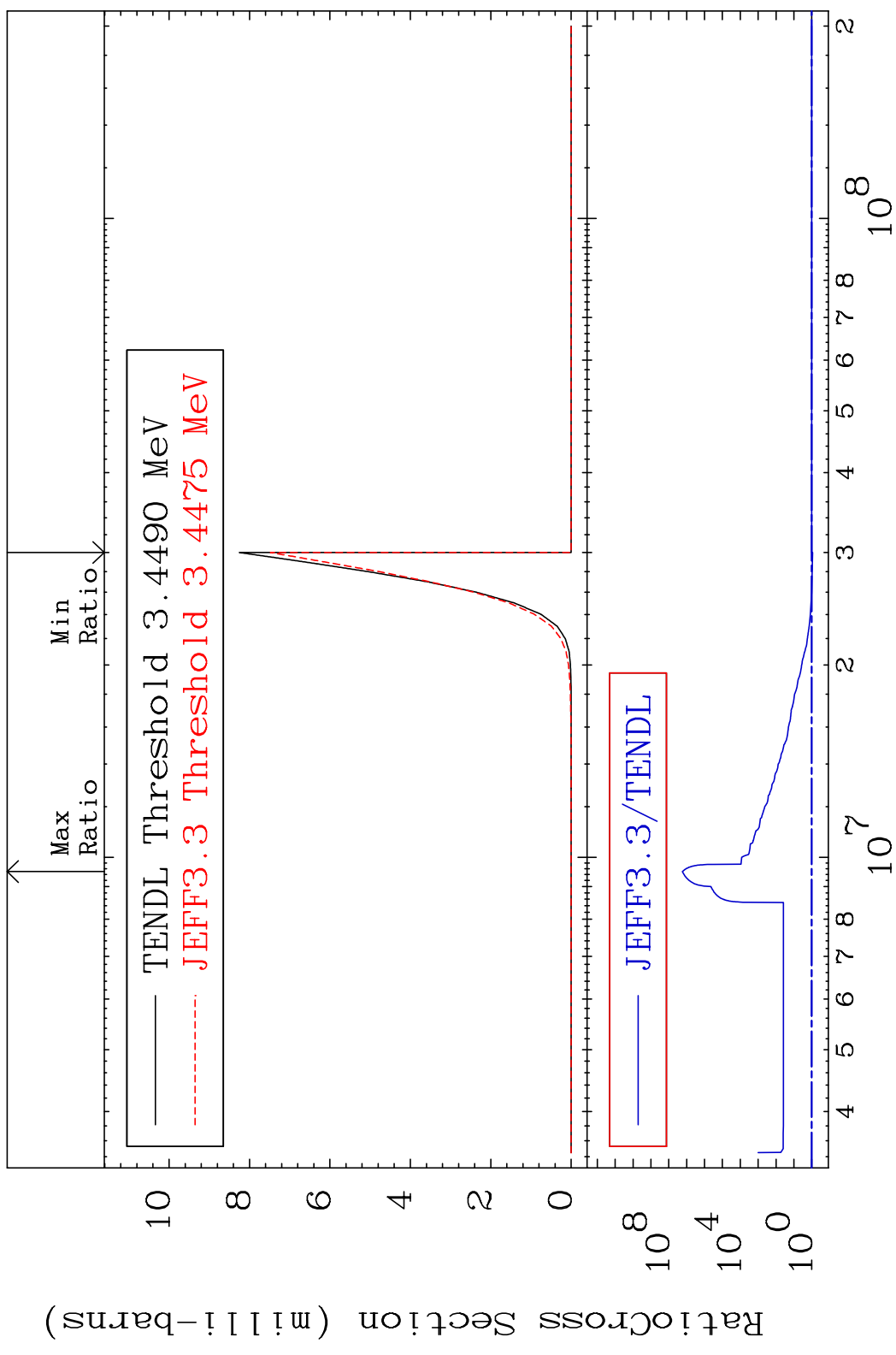


MAT 7722

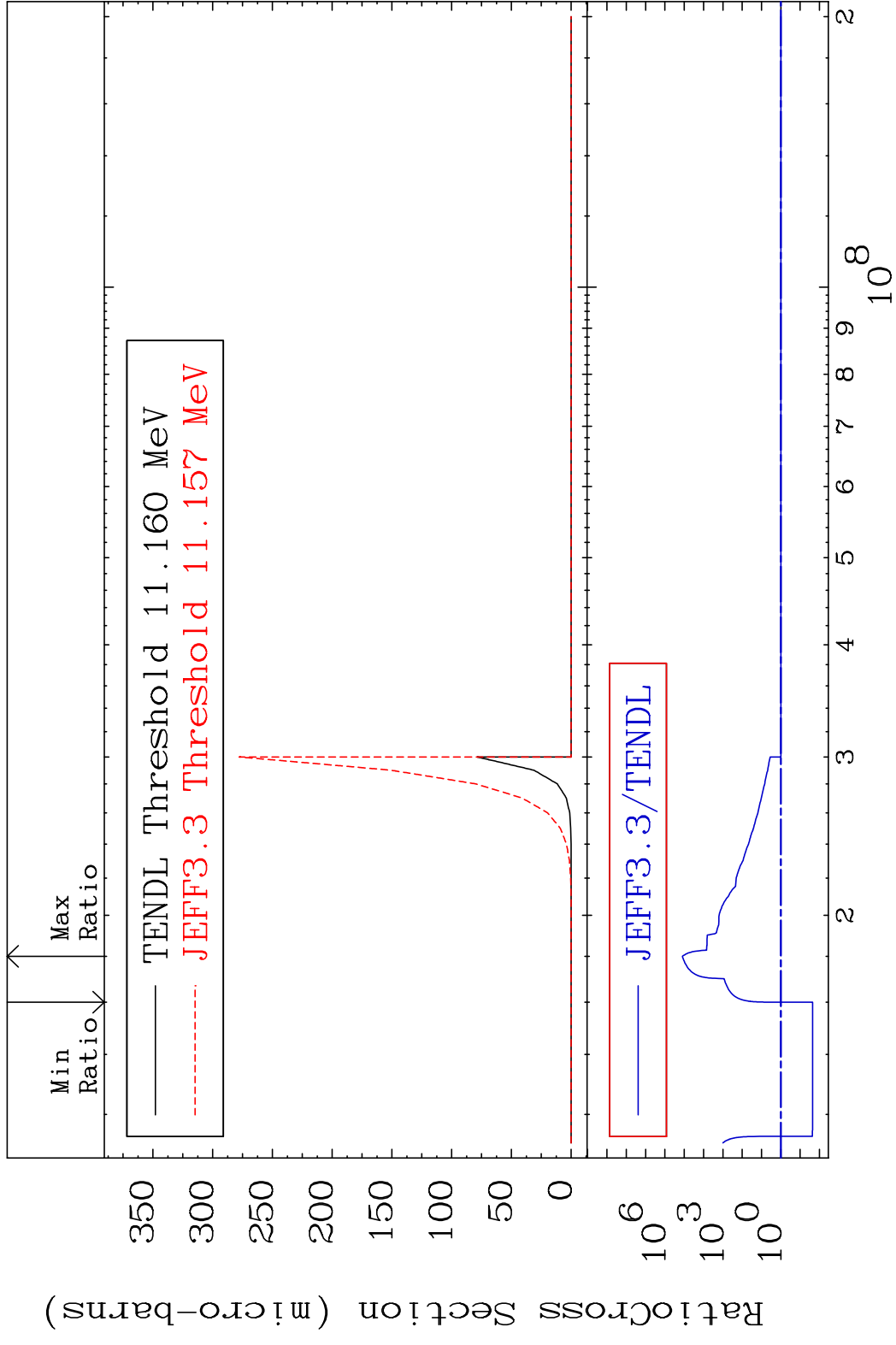
(n,2n)  $\alpha$

77-Ir-190

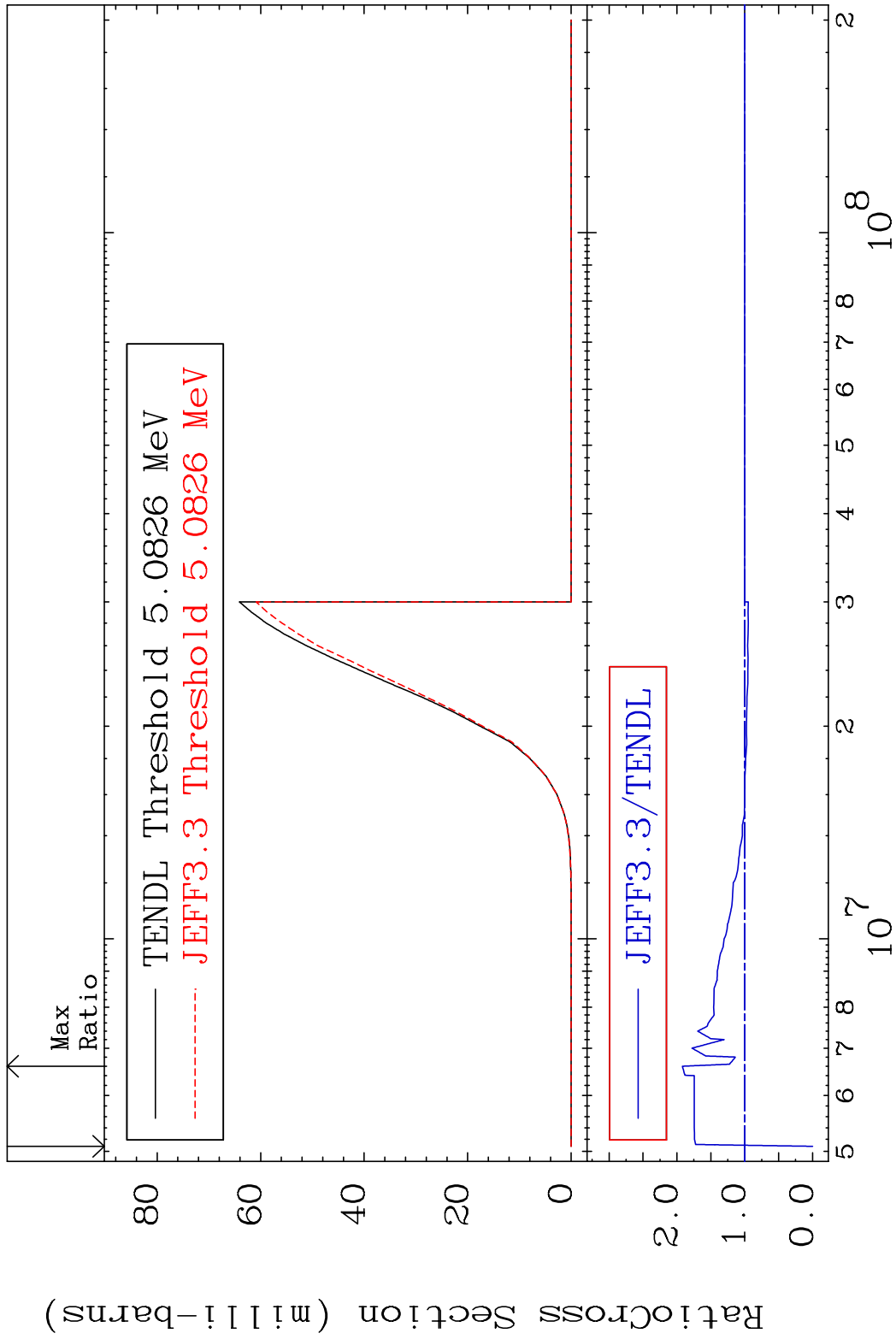
Cross Section -9.355 To 9999. %



MAT 7722 (n,3n)  $\alpha$  77-Ir-190  
 Cross Section -97.71 To 9999. %



MAT 7722 (n, n') p 77-Ir-190  
 Cross Section -100.0 To 92.02 %



10 Incident Energy (eV) 77-Ir-190

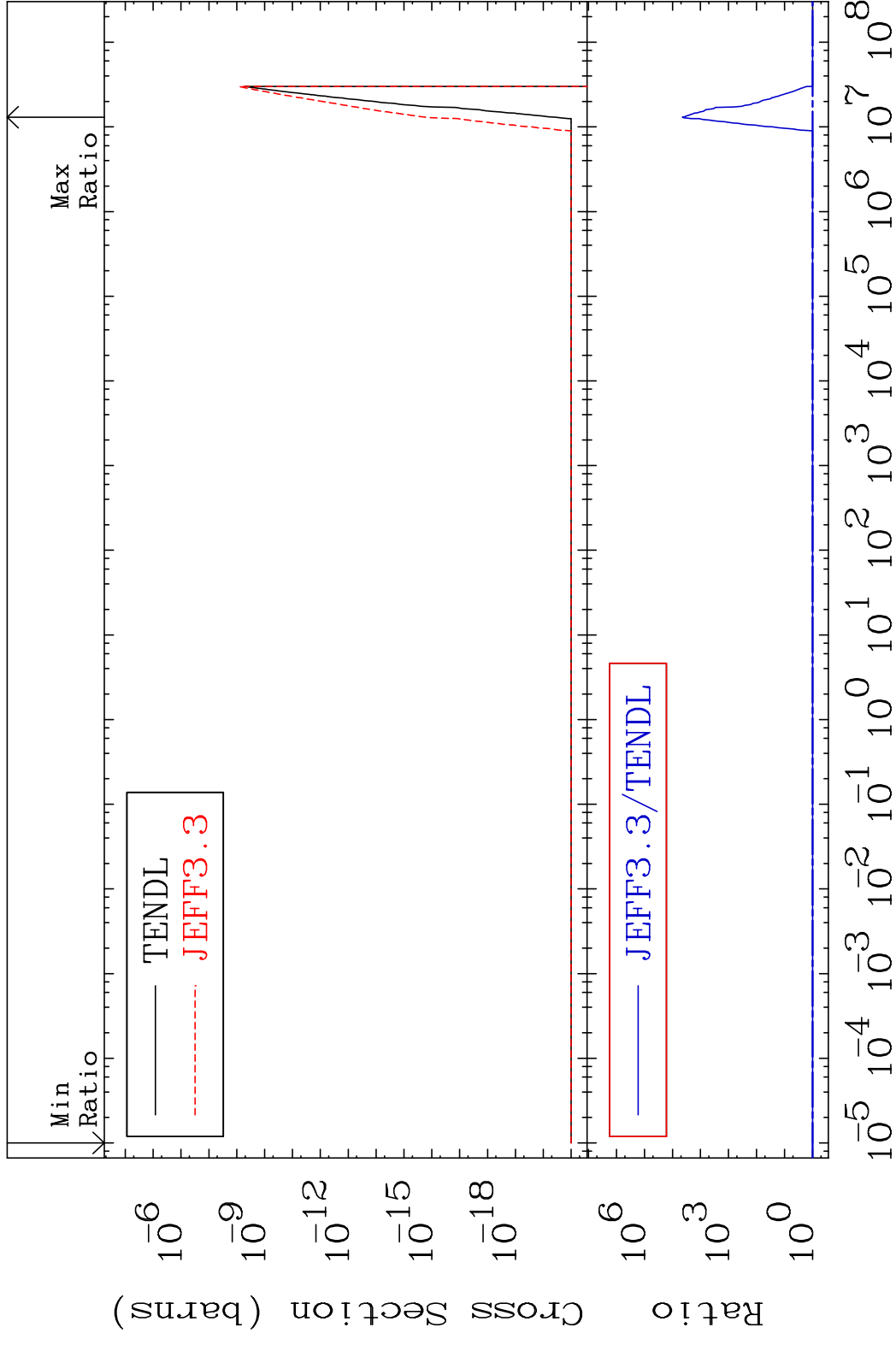
MAT 7722

(n, n') 2α

77-Ir-190

Cross Section 0.000

To 9999. %

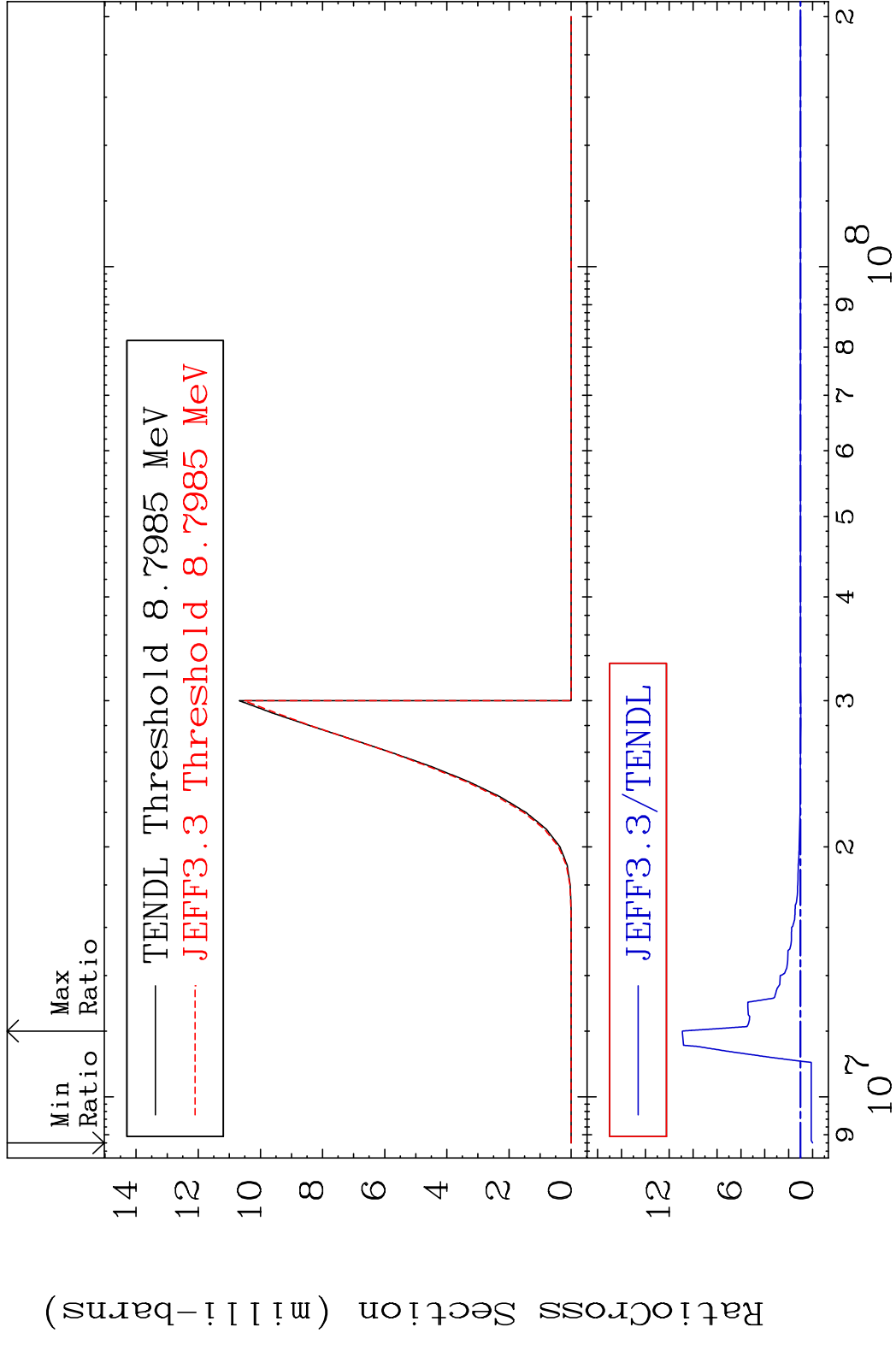


MAT 7722

(n, n') d

77-Ir-190

Cross Section -100.0 To 990.3 %

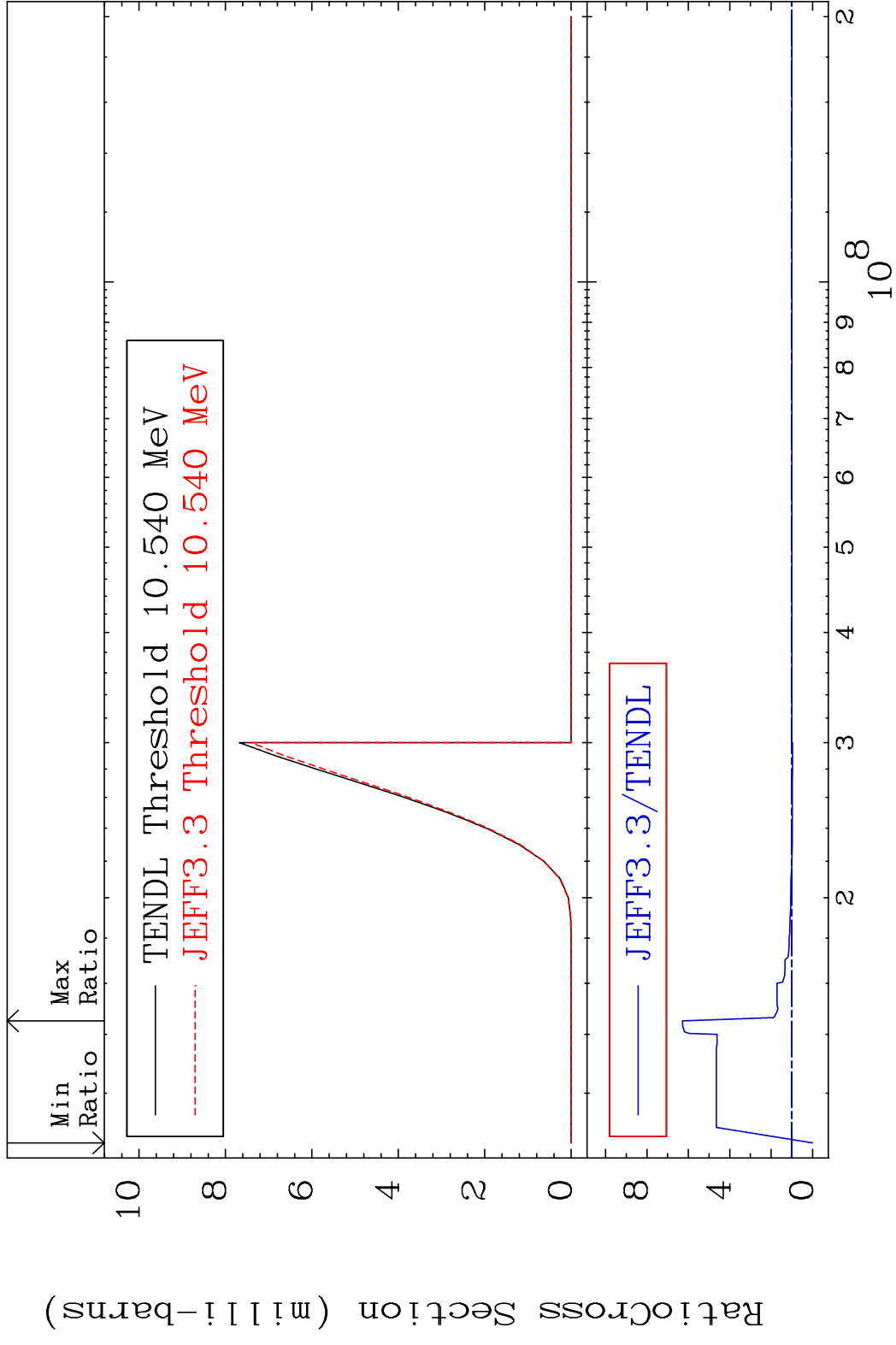


12

Incident Energy (eV)

77-Ir-190

MAT 7722 (n, n') t 77-Ir-190  
 Cross Section -100.0 To 529.0 %

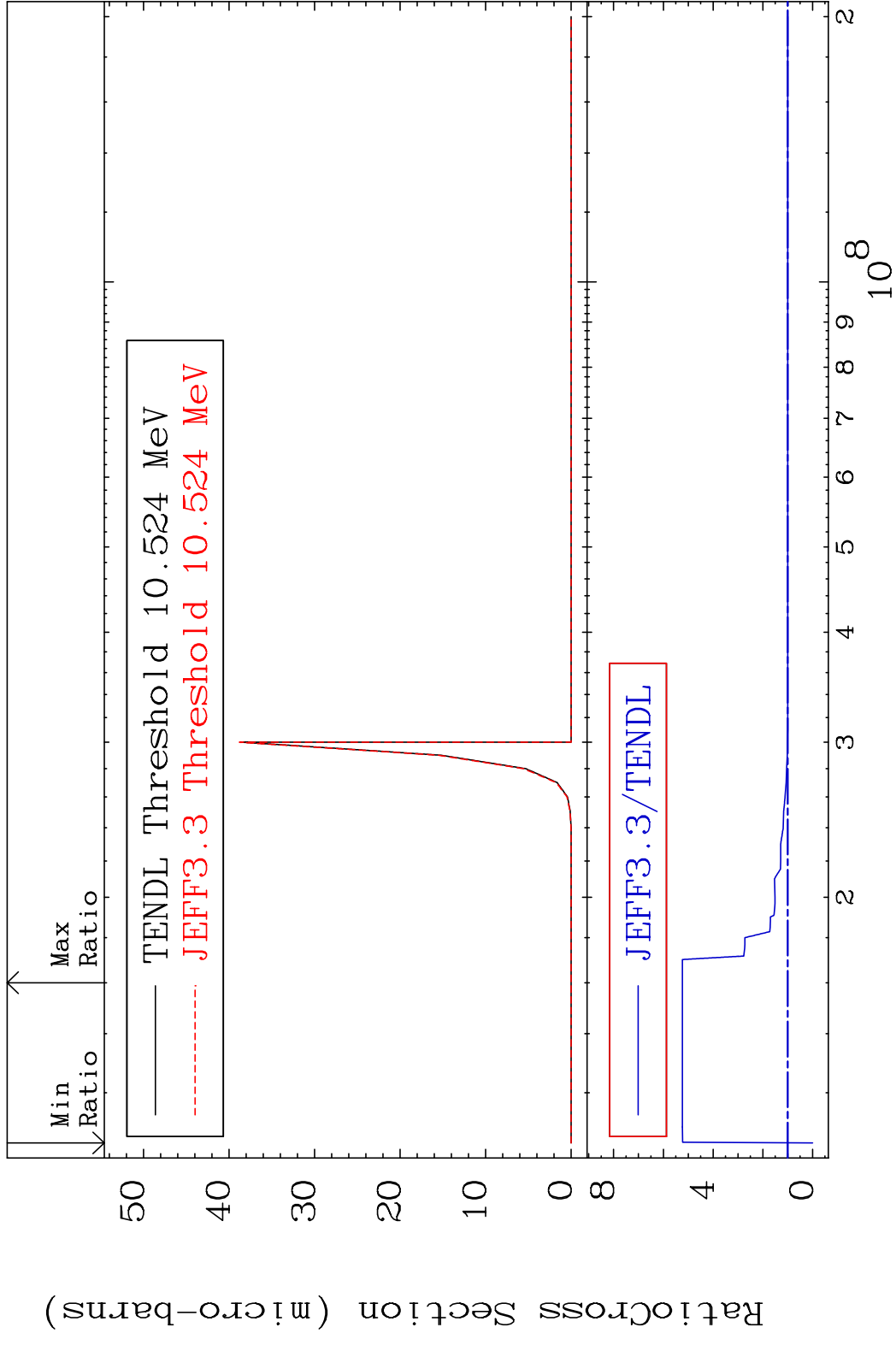


MAT 7722

(n,n') He-3

77-Ir-190

Cross Section -100.0 To 423.6 %

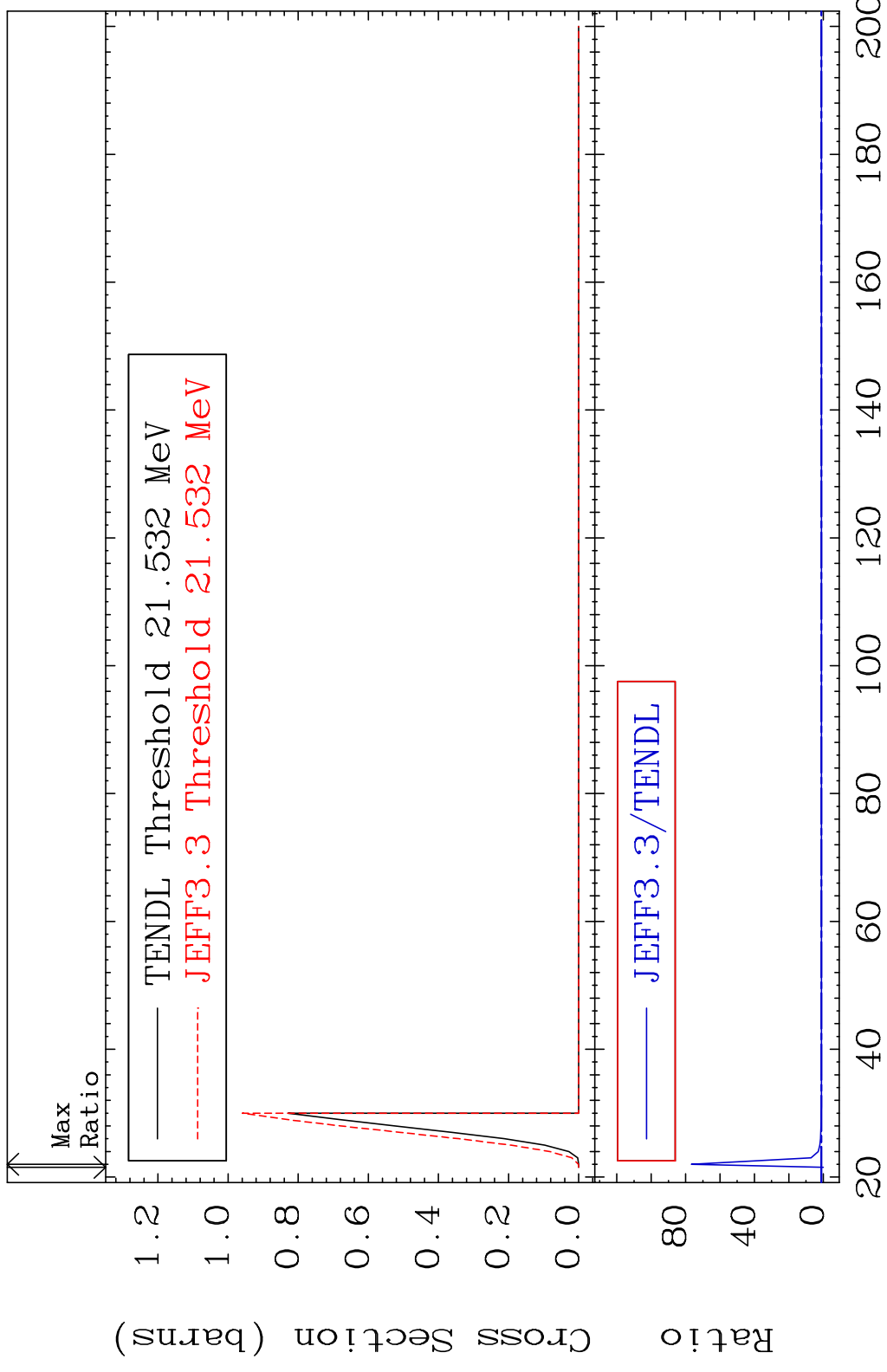


MAT 7722

(n,4n)

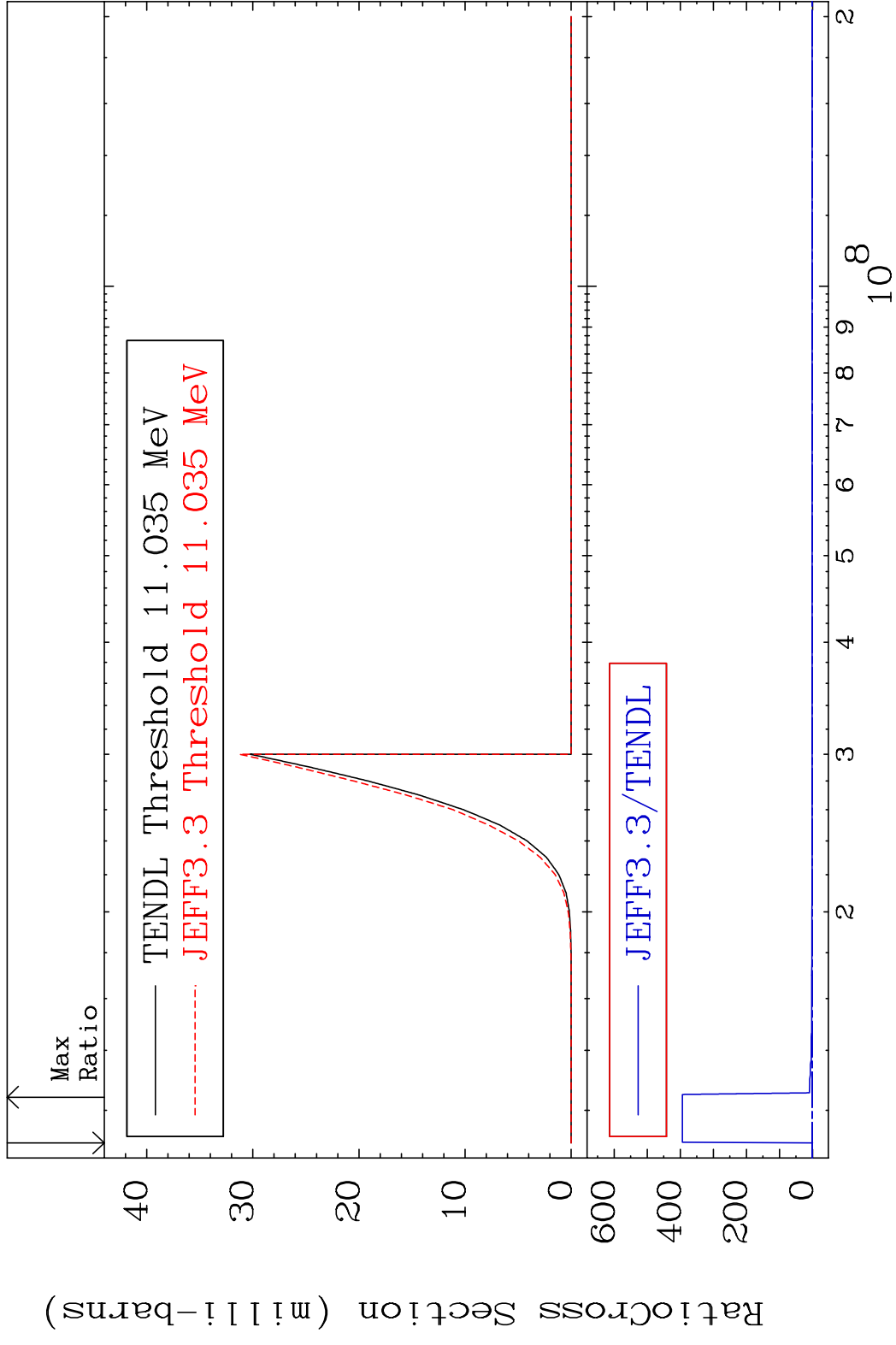
77-Ir-190

Cross Section -100.0 To 7568. %

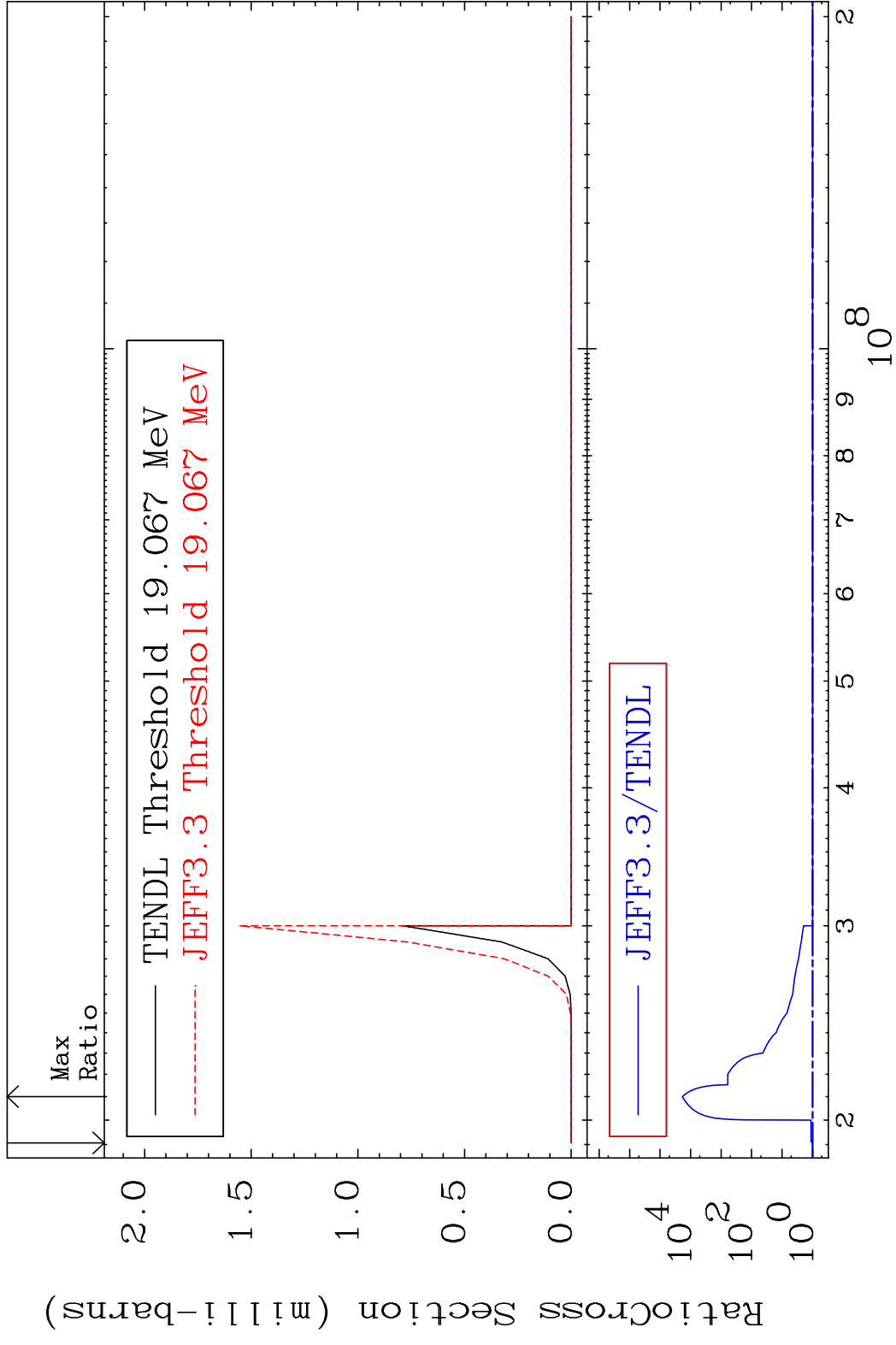




MAT 7722 (n,2n) p 77-Ir-190  
 Cross Section -100.0 To 9999. %



MAT 7722 (n,3n) p 77-Ir-190  
 Cross Section 0.000 To 9999. %

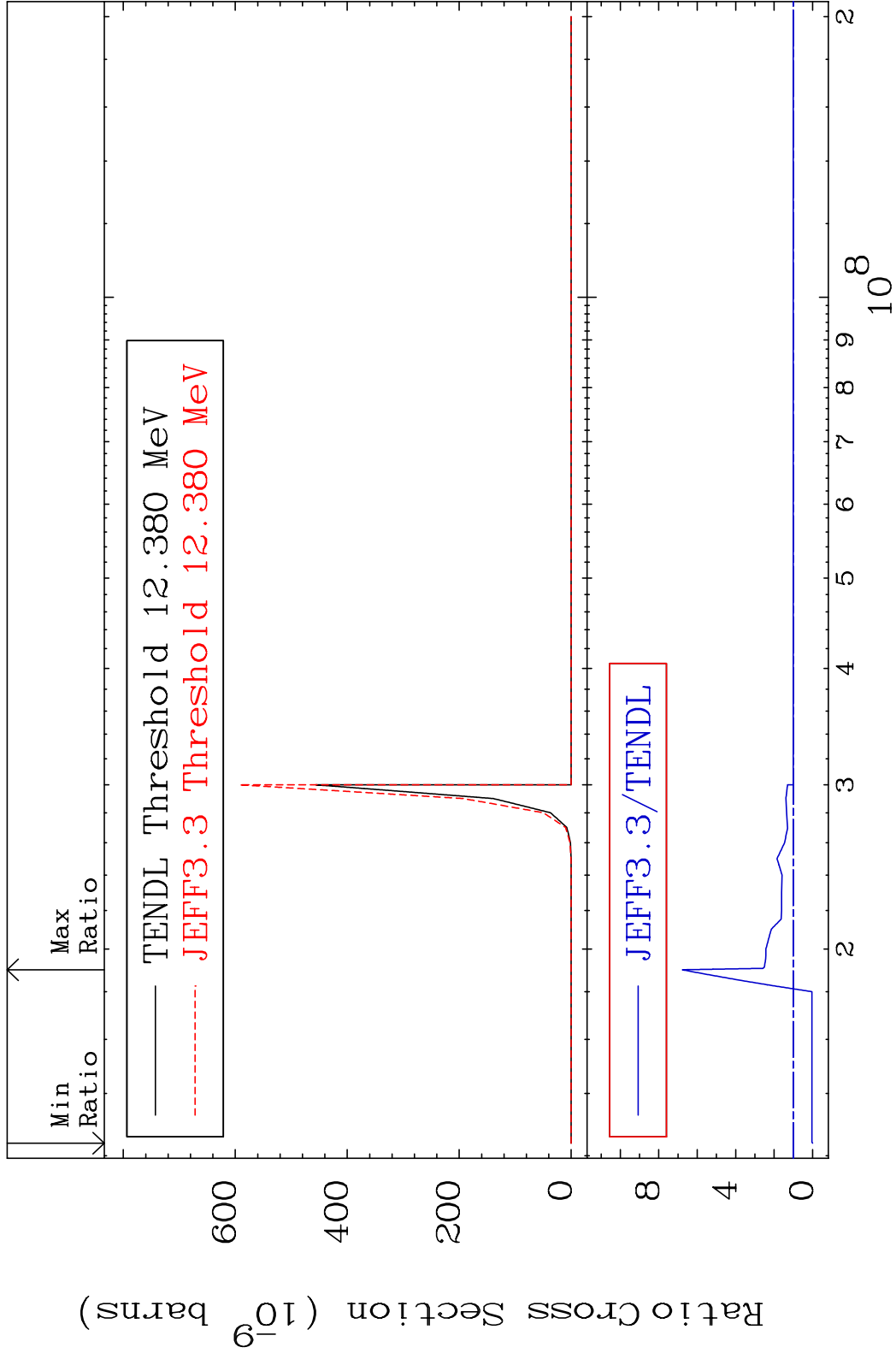


MAT 7722

(n,2n) p

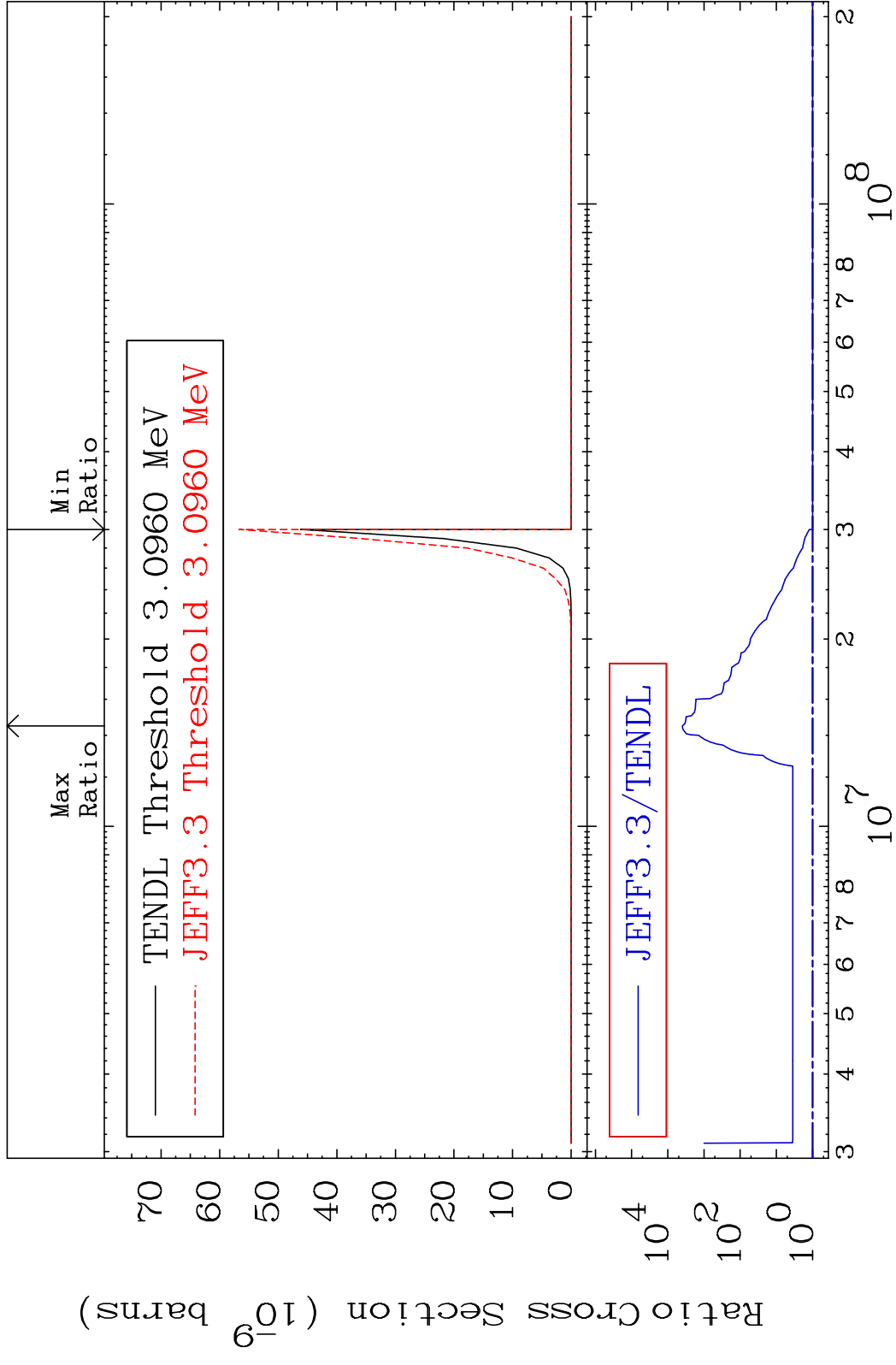
77-Ir-190

Cross Section -100.0 To 577.3 %



MAT 7722

(n, n') p  $\alpha$  77-Ir-190  
Cross Section 0.000 To 9999. %

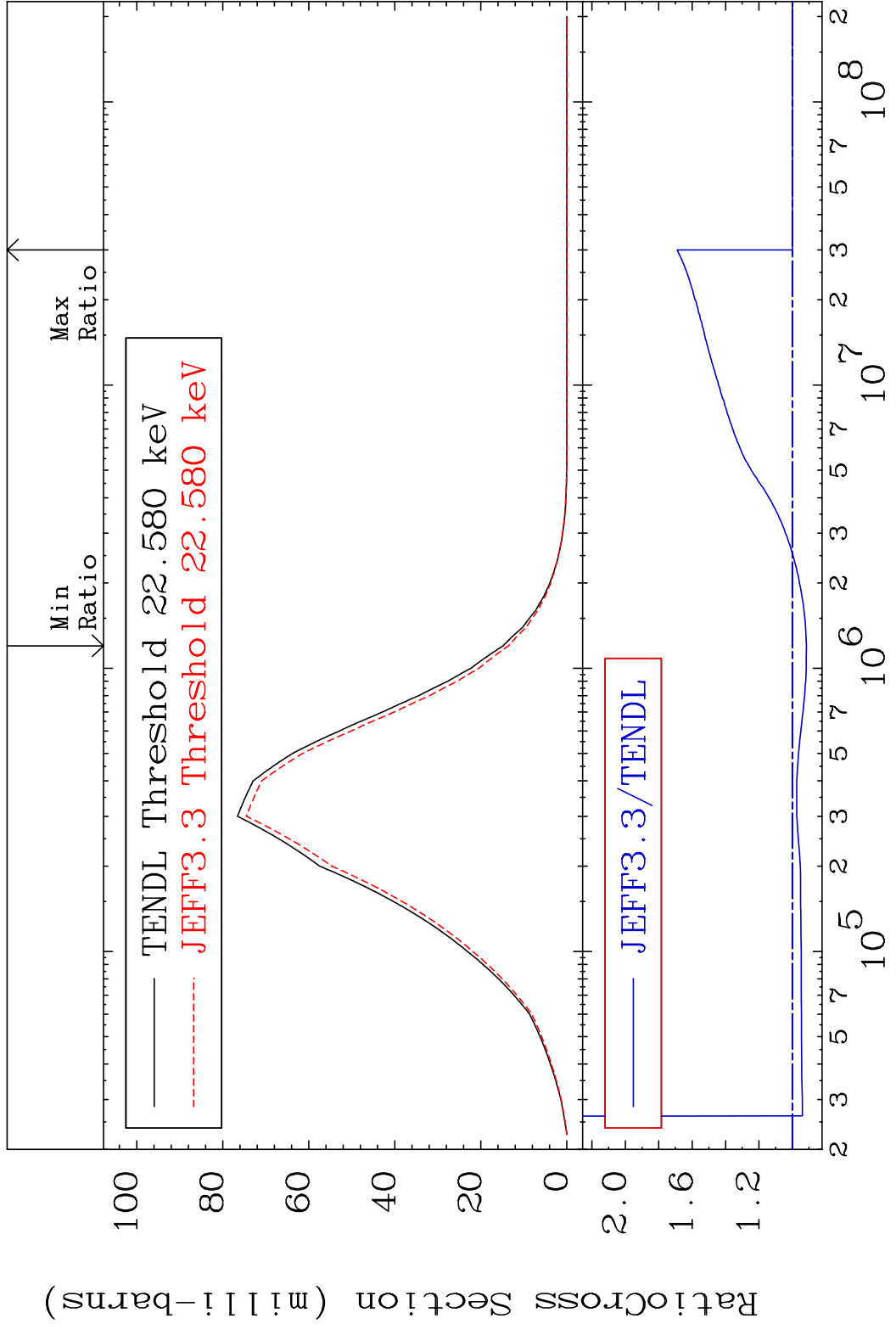


MAT 7722

MT= 51 (n, n') Level

77-Ir-190

Cross Section -8.438 To 68.97 %

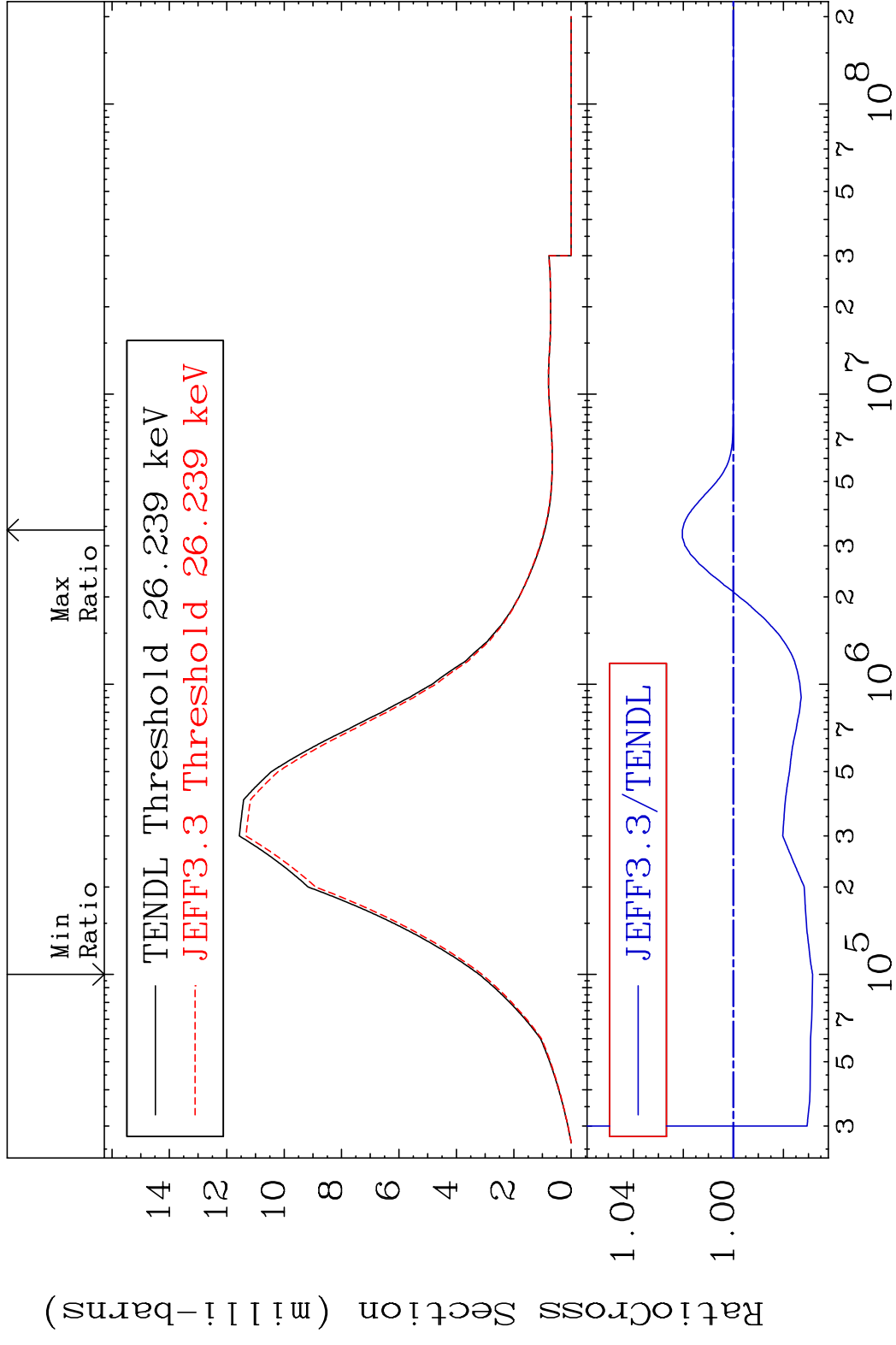


MAT 7722

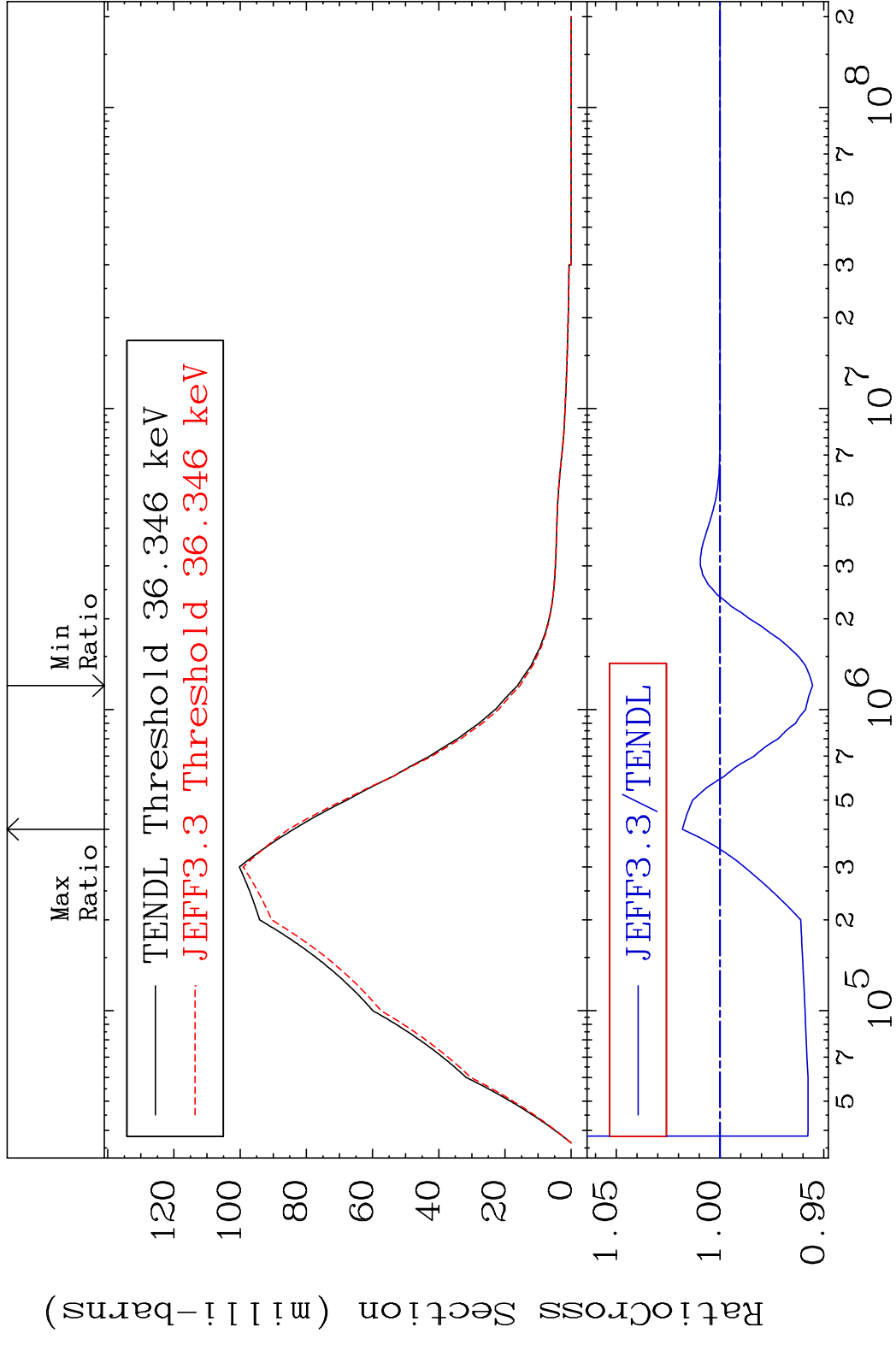
MT= 52 (n, n') Level

77-Ir-190

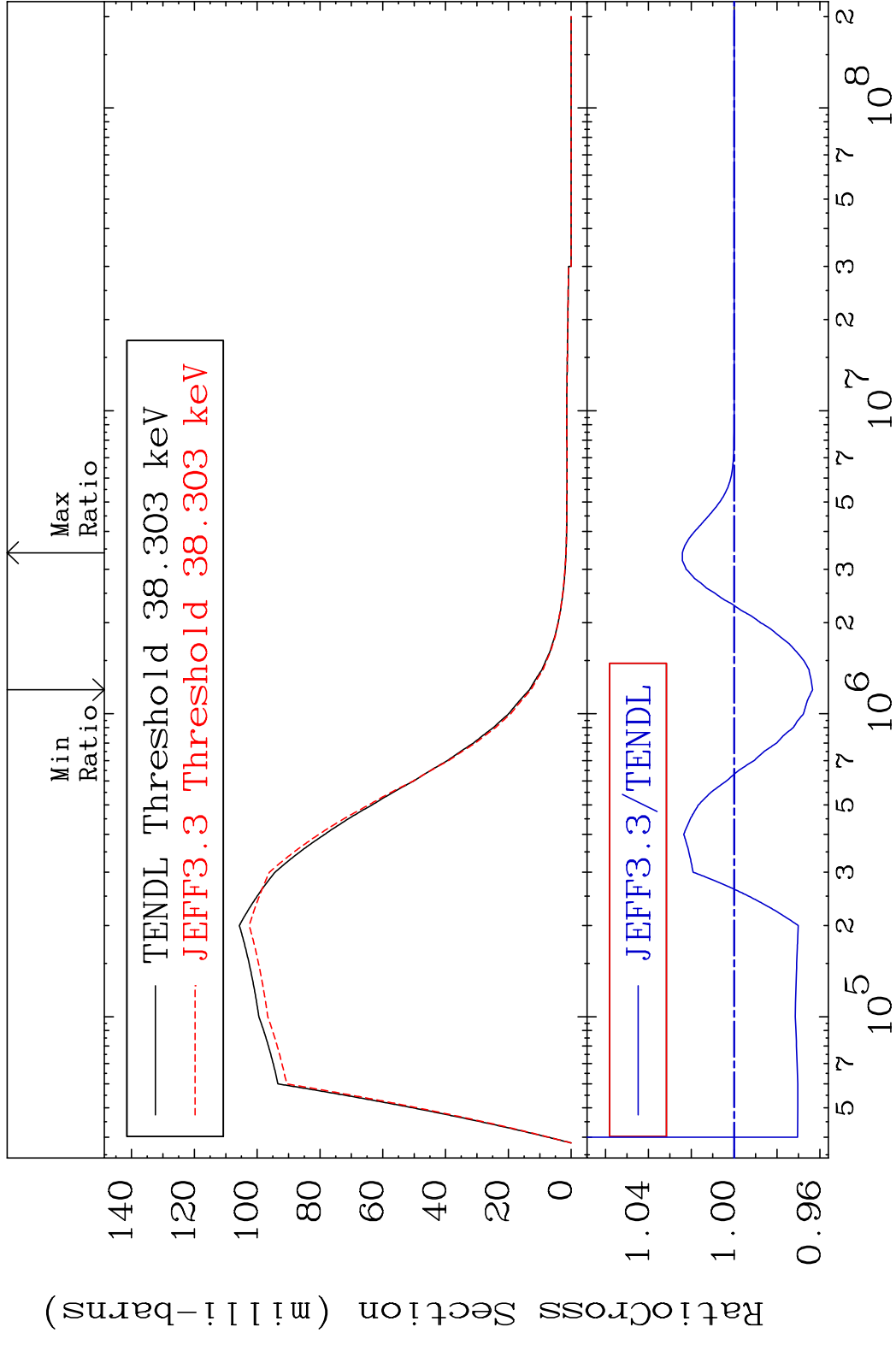
Cross Section -3.167 To 2.040 %



MAT 7722 MT= 53 (n, n') Level 77-Ir-190  
 Cross Section -4.461 To 1.814 %

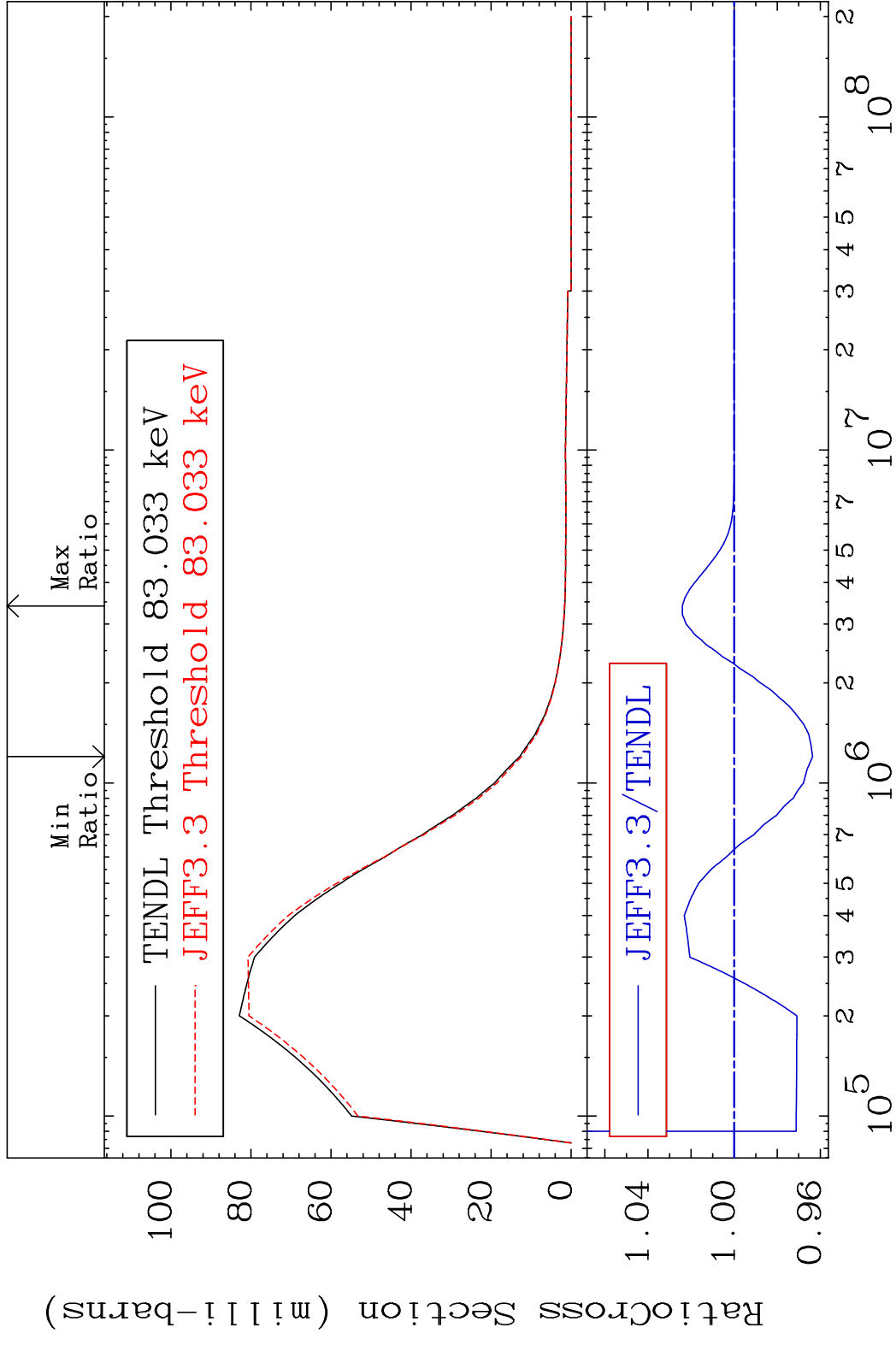


MAT 7722 MT= 54 (n, n') Level 77-Ir-190  
 Cross Section -3.656 To 2.414 %

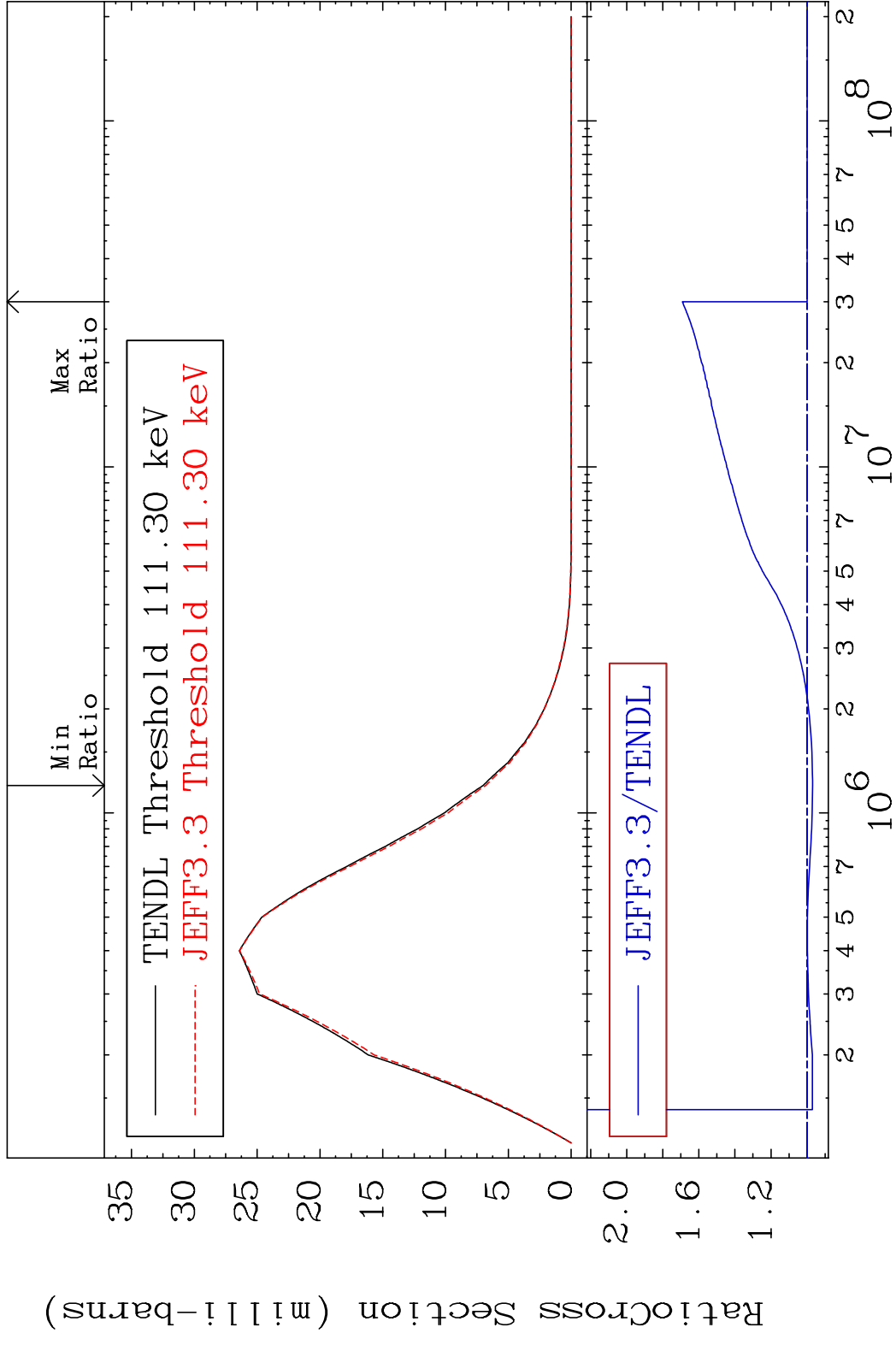




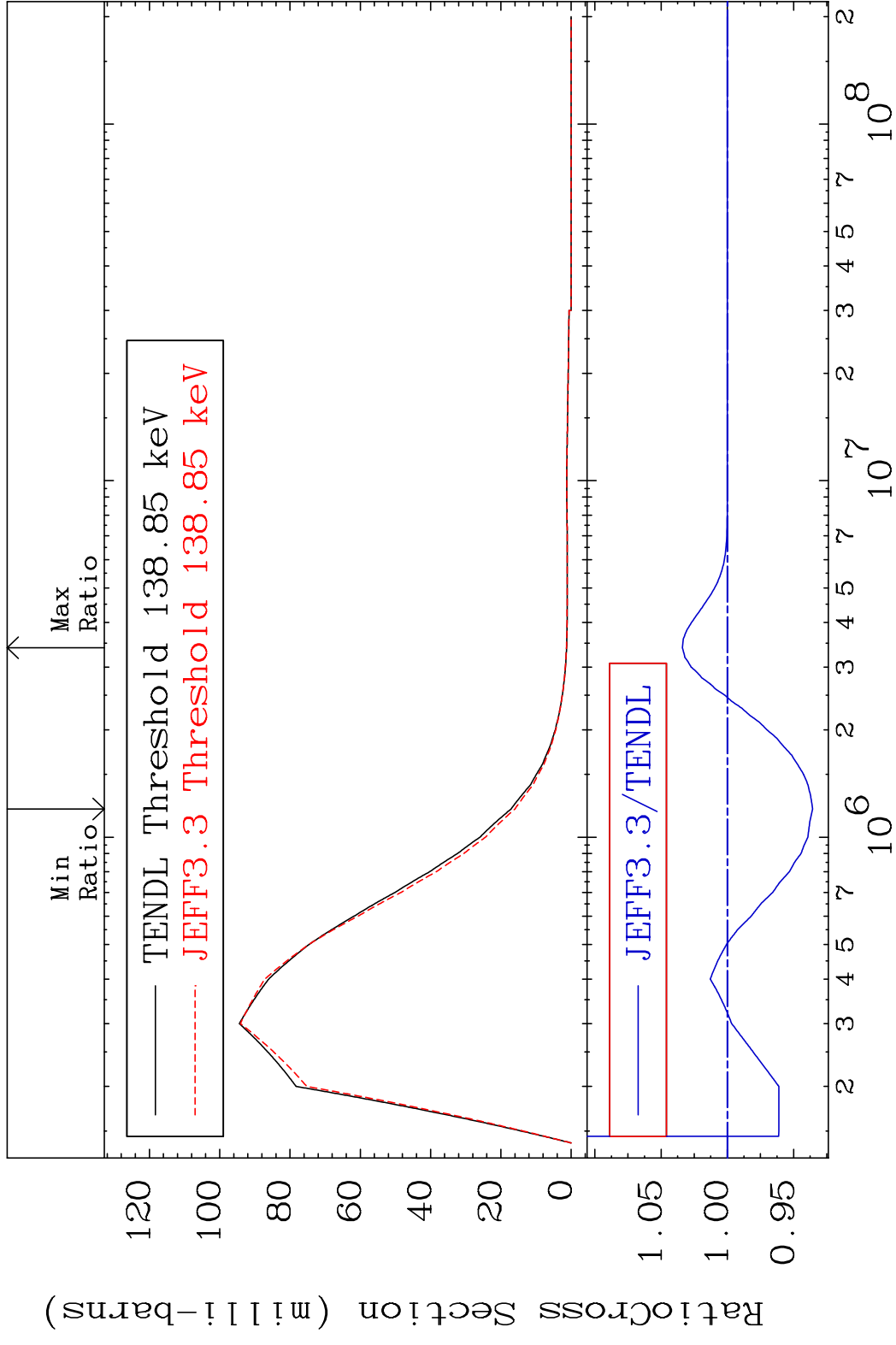
MAT 7722 MT= 55 (n, n') Level 77-Ir-190  
 Cross Section -3.638 To 2.407 %



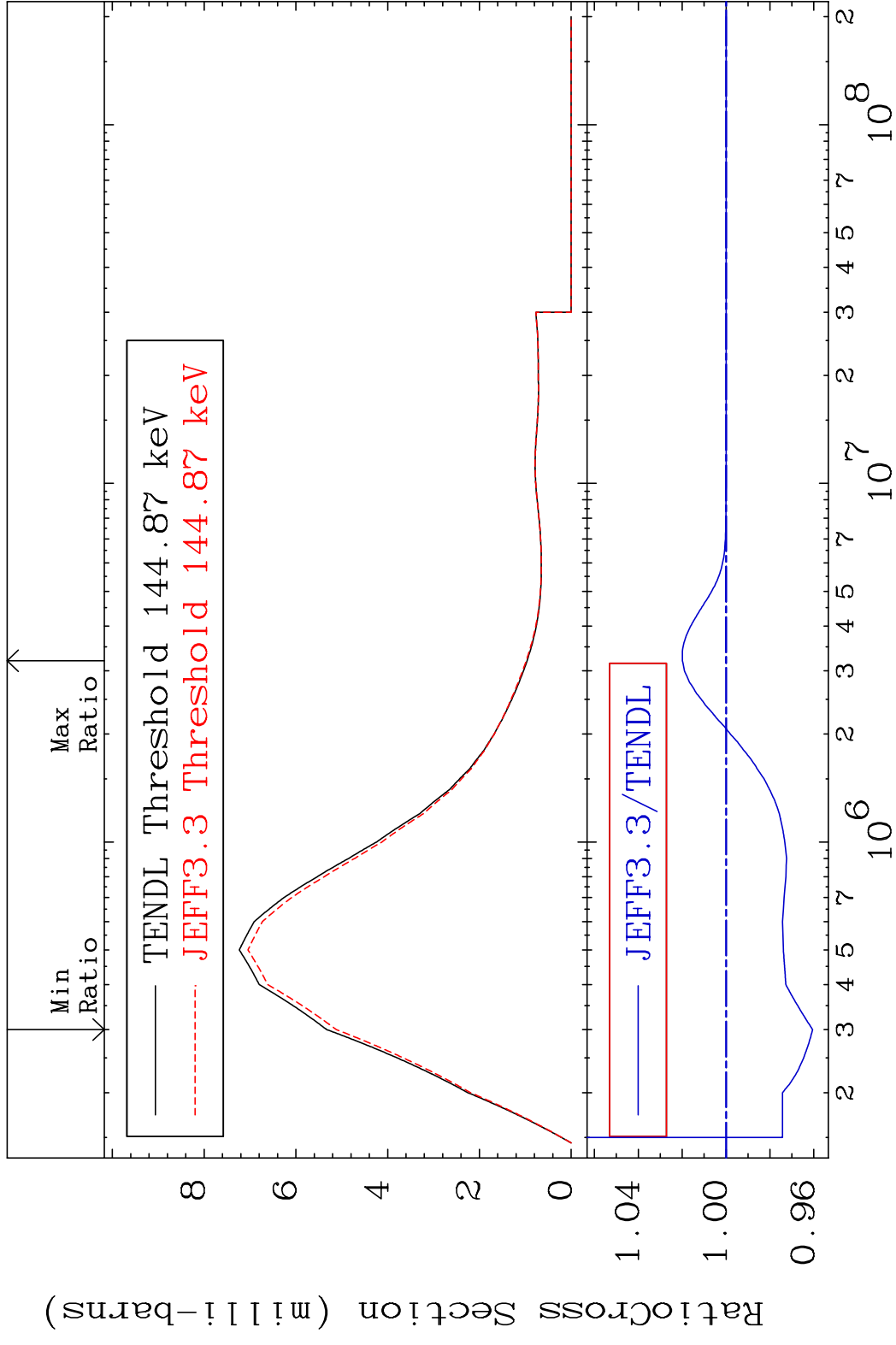
MAT 7722 MT= 56 (n,n') Level 77-Ir-190  
 Cross Section -3.045 To 69.16 %



MAT 7722 MT= 57 (n, n') Level 77-Ir-190  
 Cross Section -6.430 To 3.395 %



MAT 7722 MT= 58 (n, n') Level 77-Ir-190  
 Cross Section -3.941 To 1.992 %

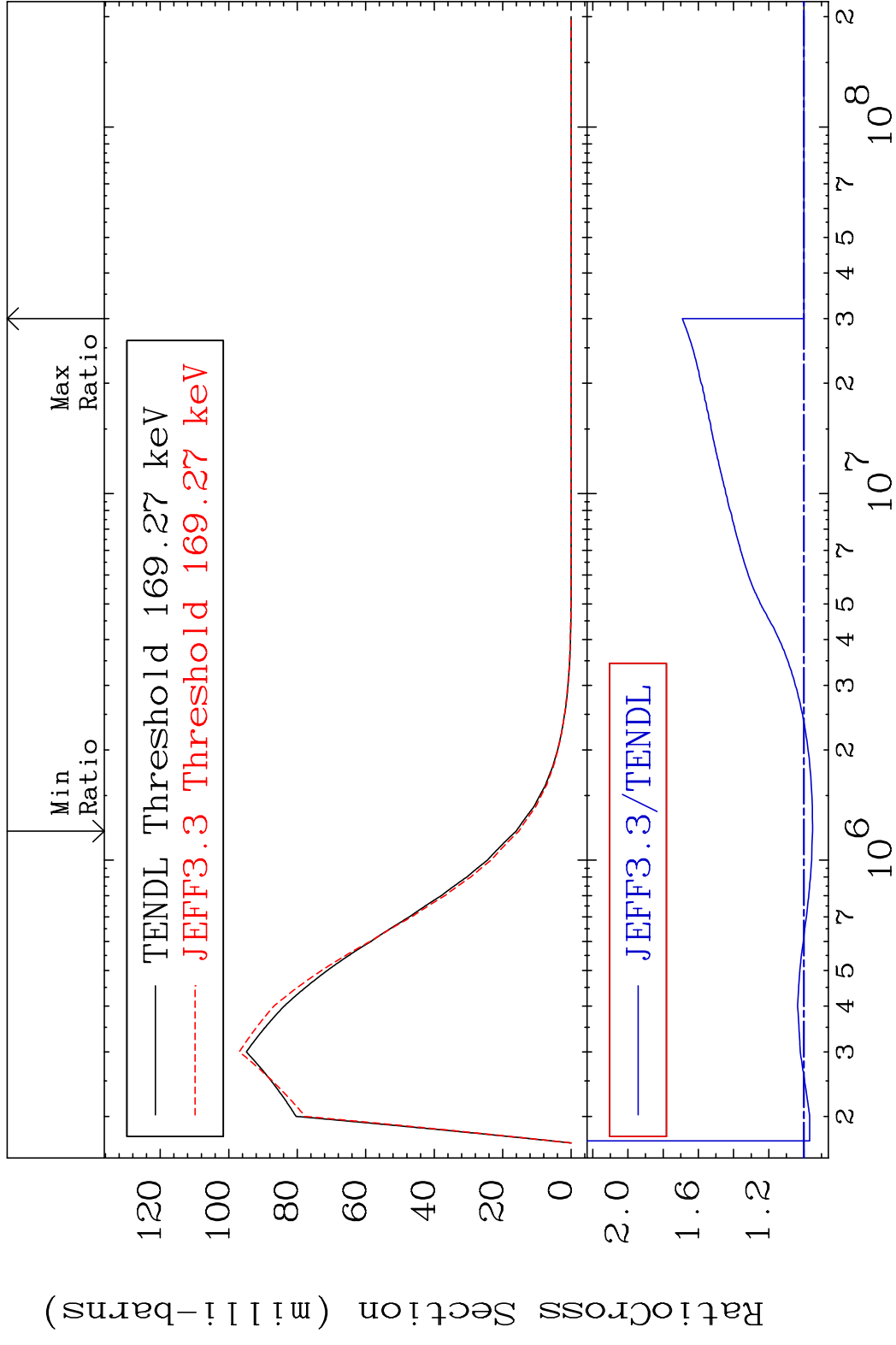


MAT 7722

MT= 59 (n, n') Level

77-Ir-190

Cross Section -4.875 To 69.08 %

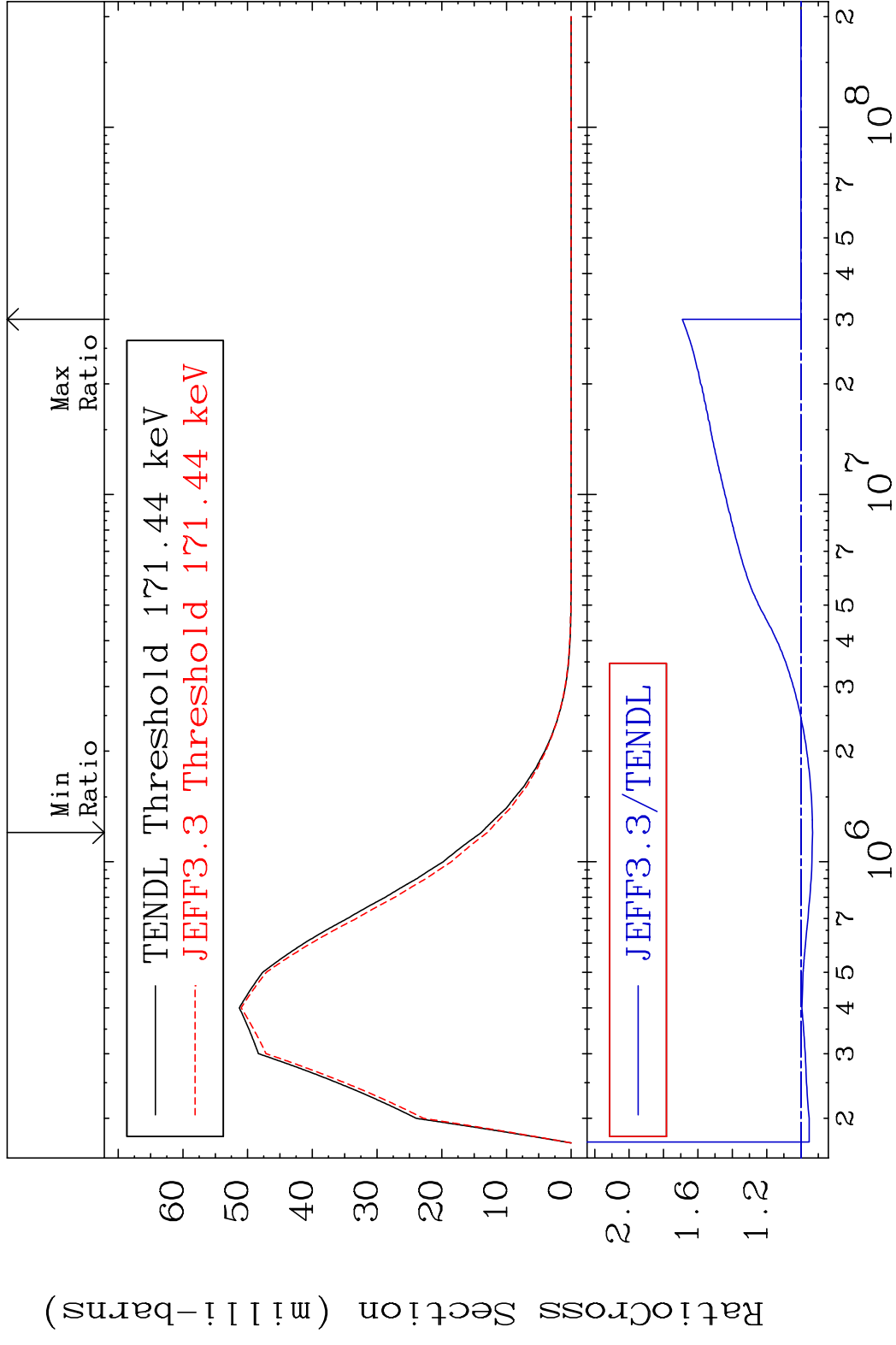


MAT 7722

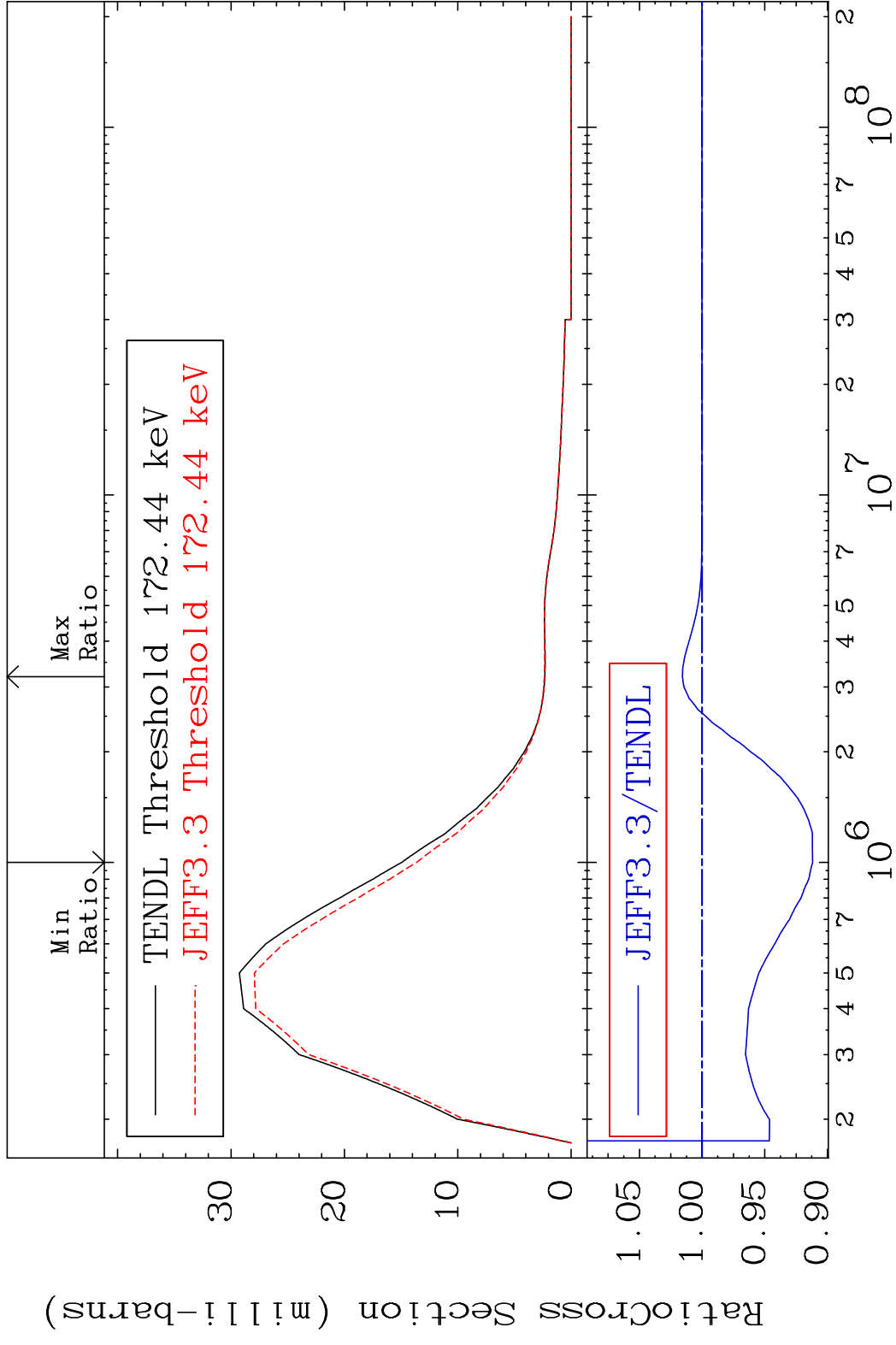
MT= 60 (n, n') Level

77-Ir-190

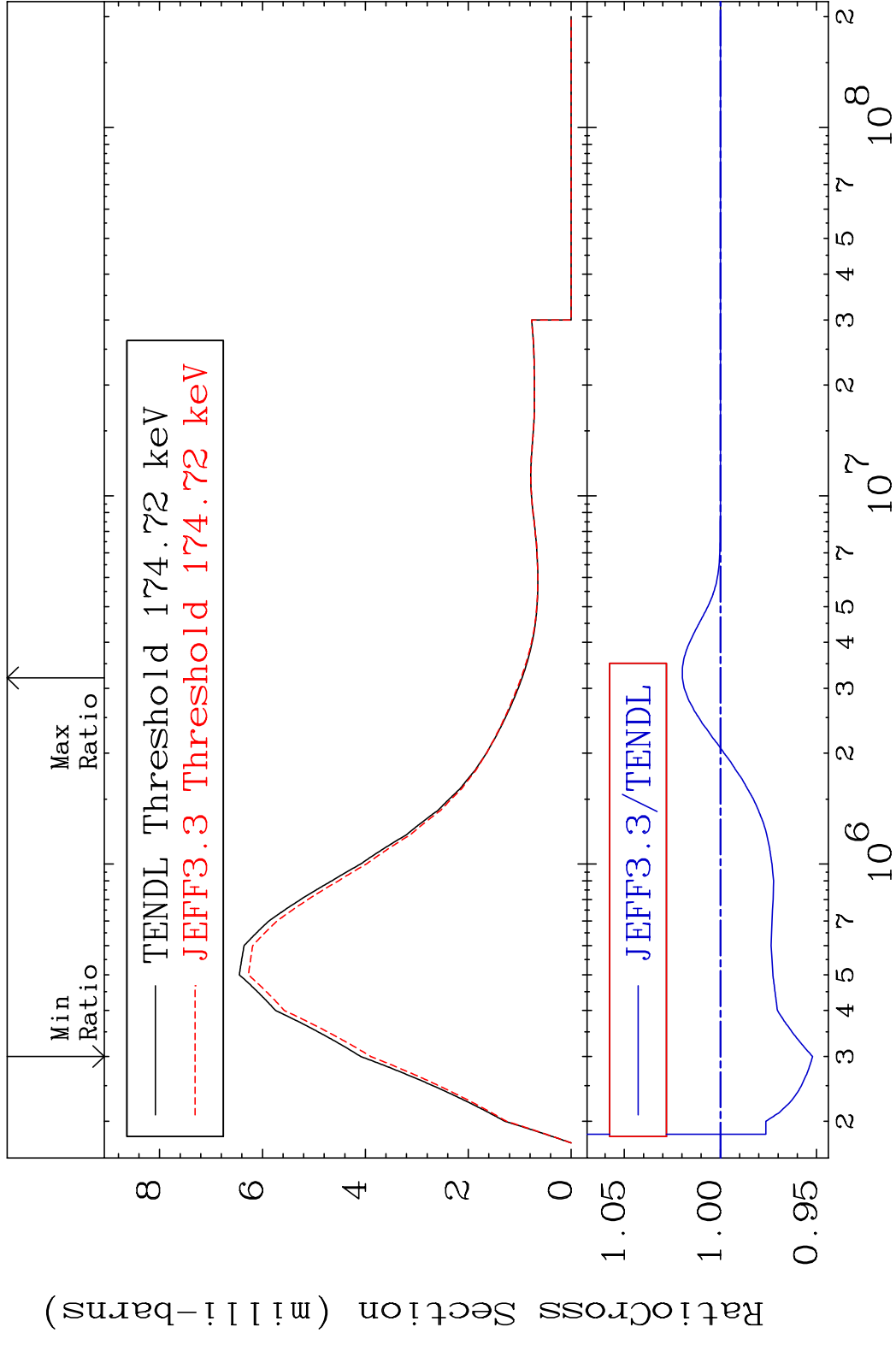
Cross Section -6.689 To 69.03 %



MAT 7722 MT= 61 (n, n') Level 77-Ir-190  
 Cross Section -8.813 To 1.575 %

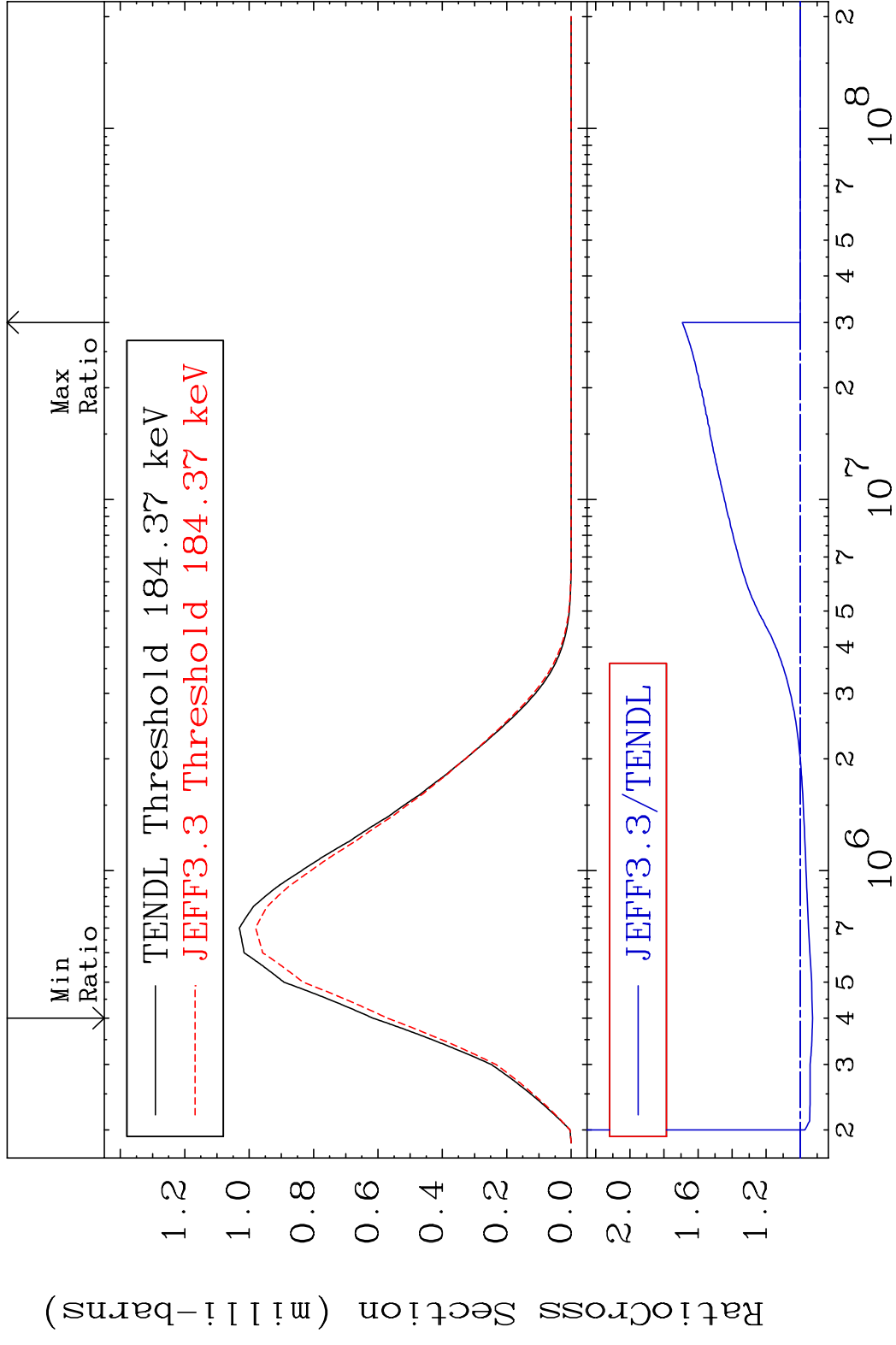


MAT 7722 MT= 62 (n, n') Level 77-Ir-190  
 Cross Section -4.794 To 1.980 %

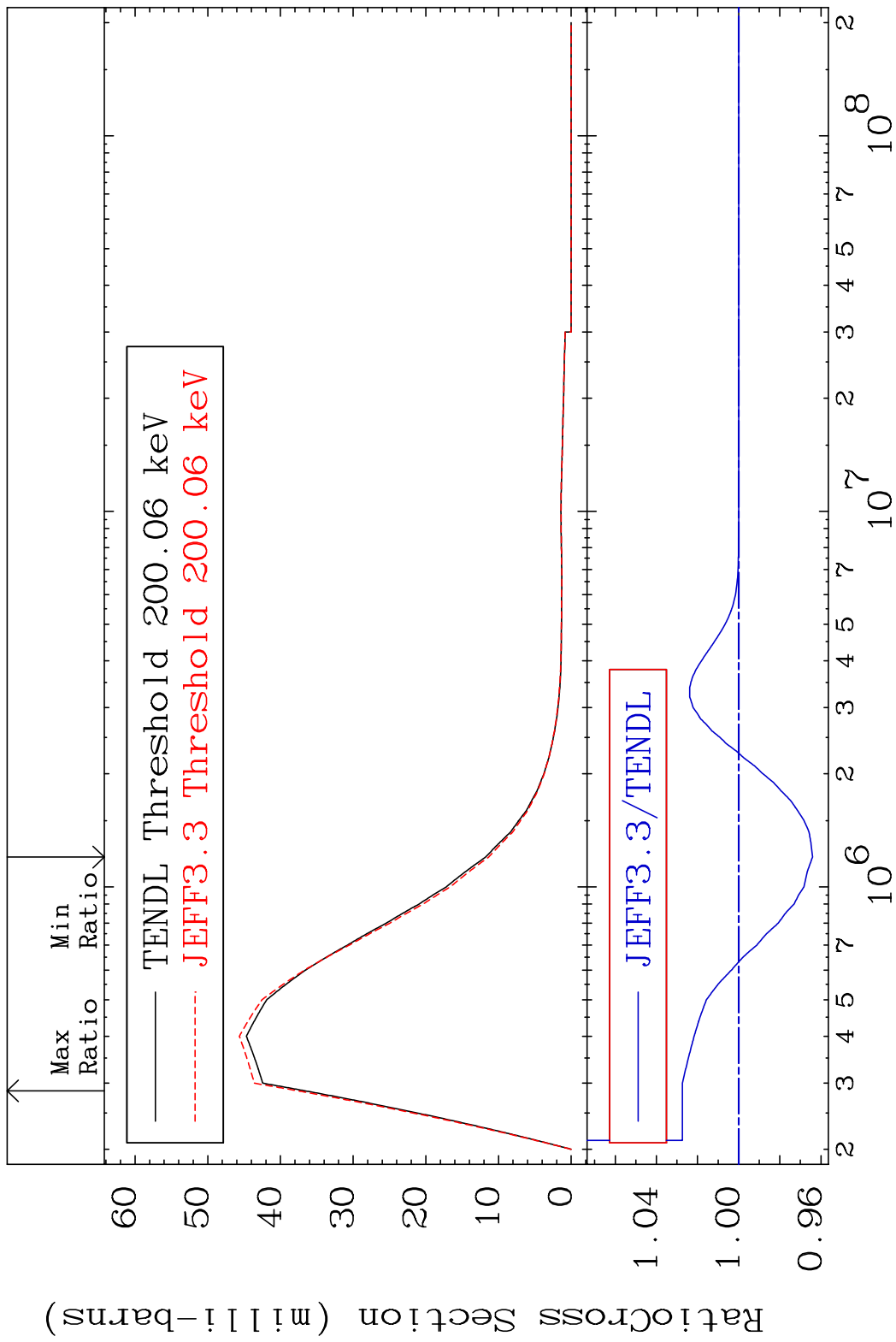




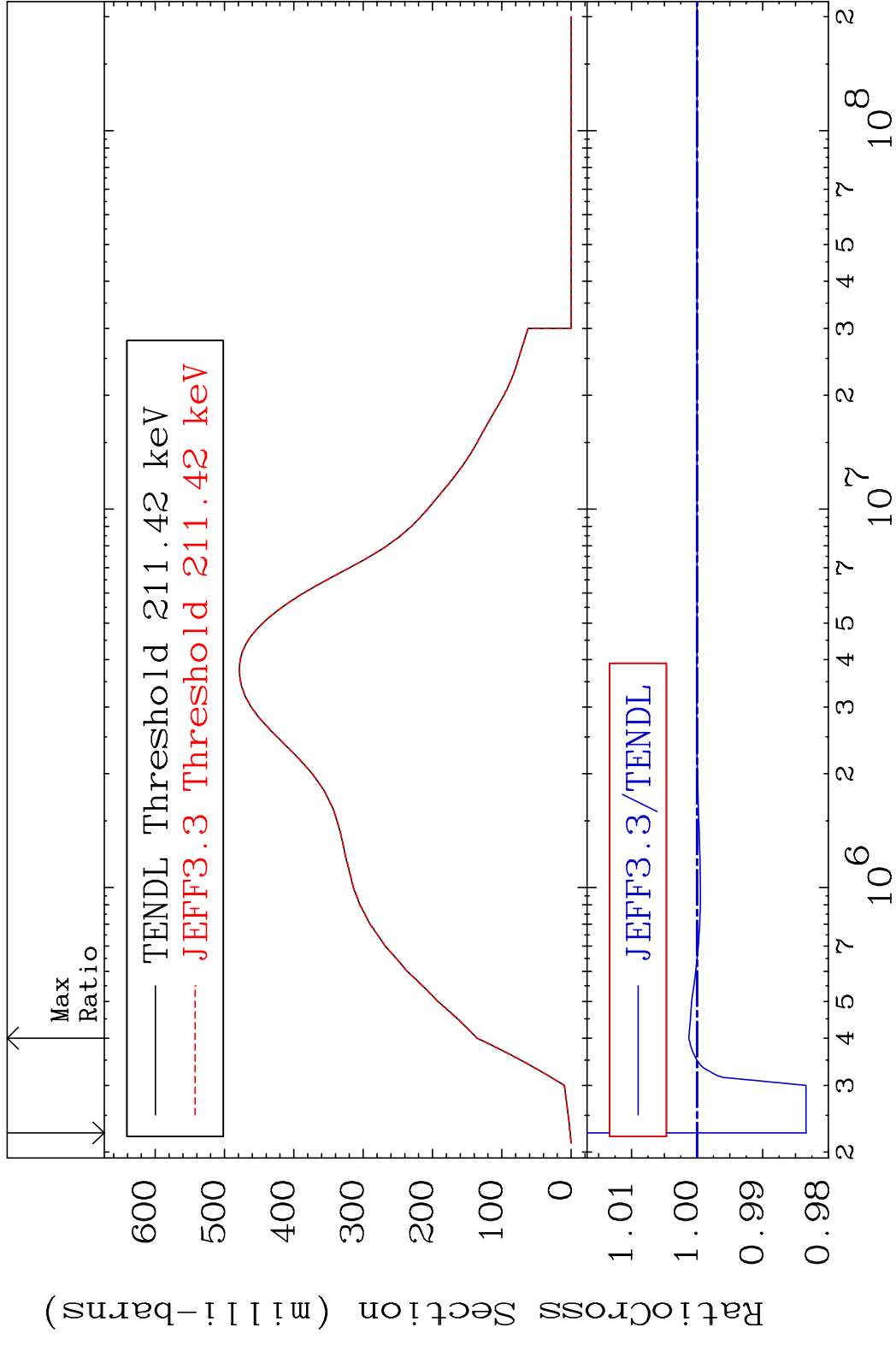
MAT 7722 MT= 63 (n,n') Level 77-Ir-190  
 Cross Section -7.233 To 69.20 %



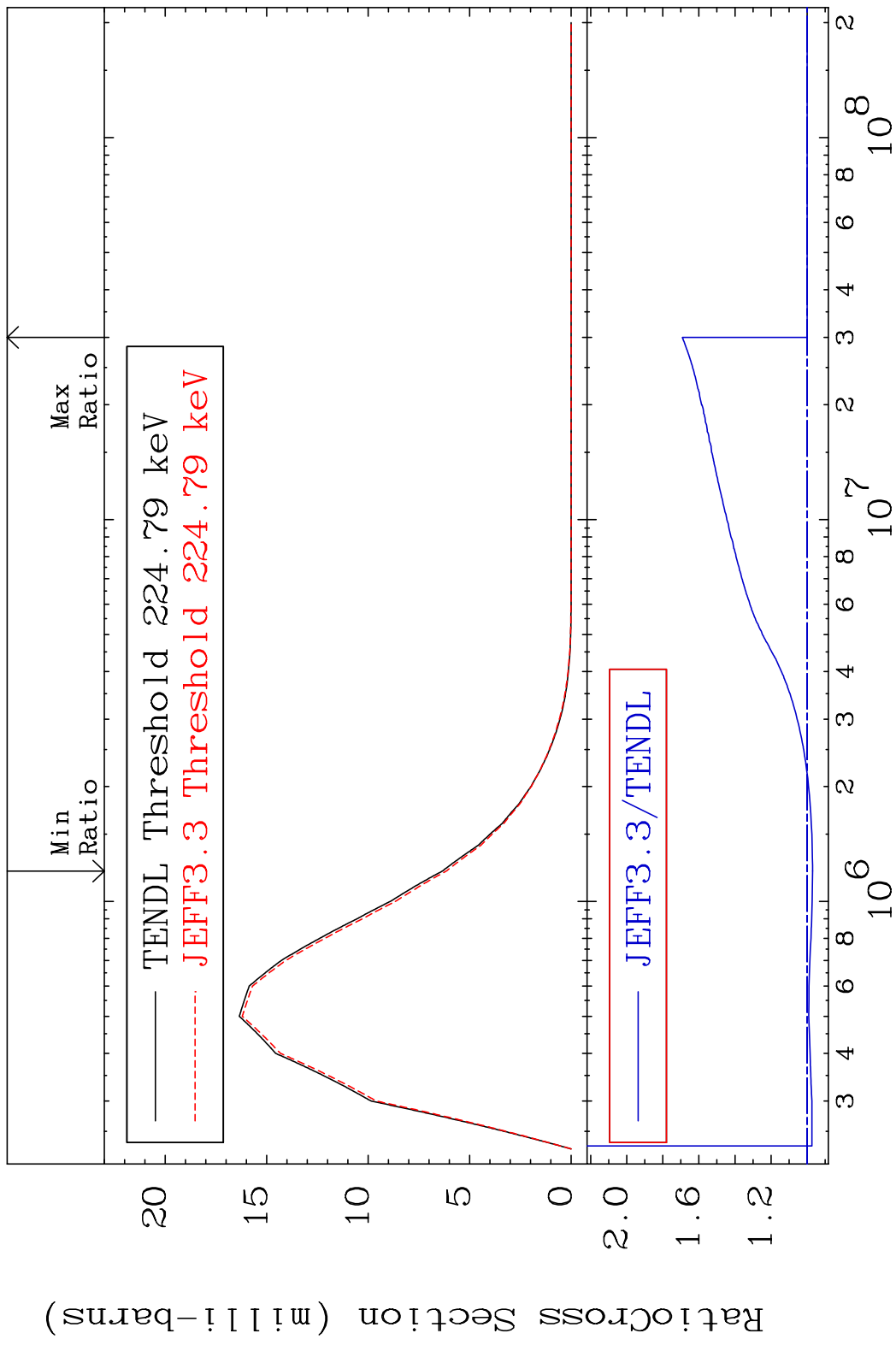
MAT 7722 MT= 64 (n,n') Level 77-Ir-190  
 Cross Section -3.592 To 2.738 %



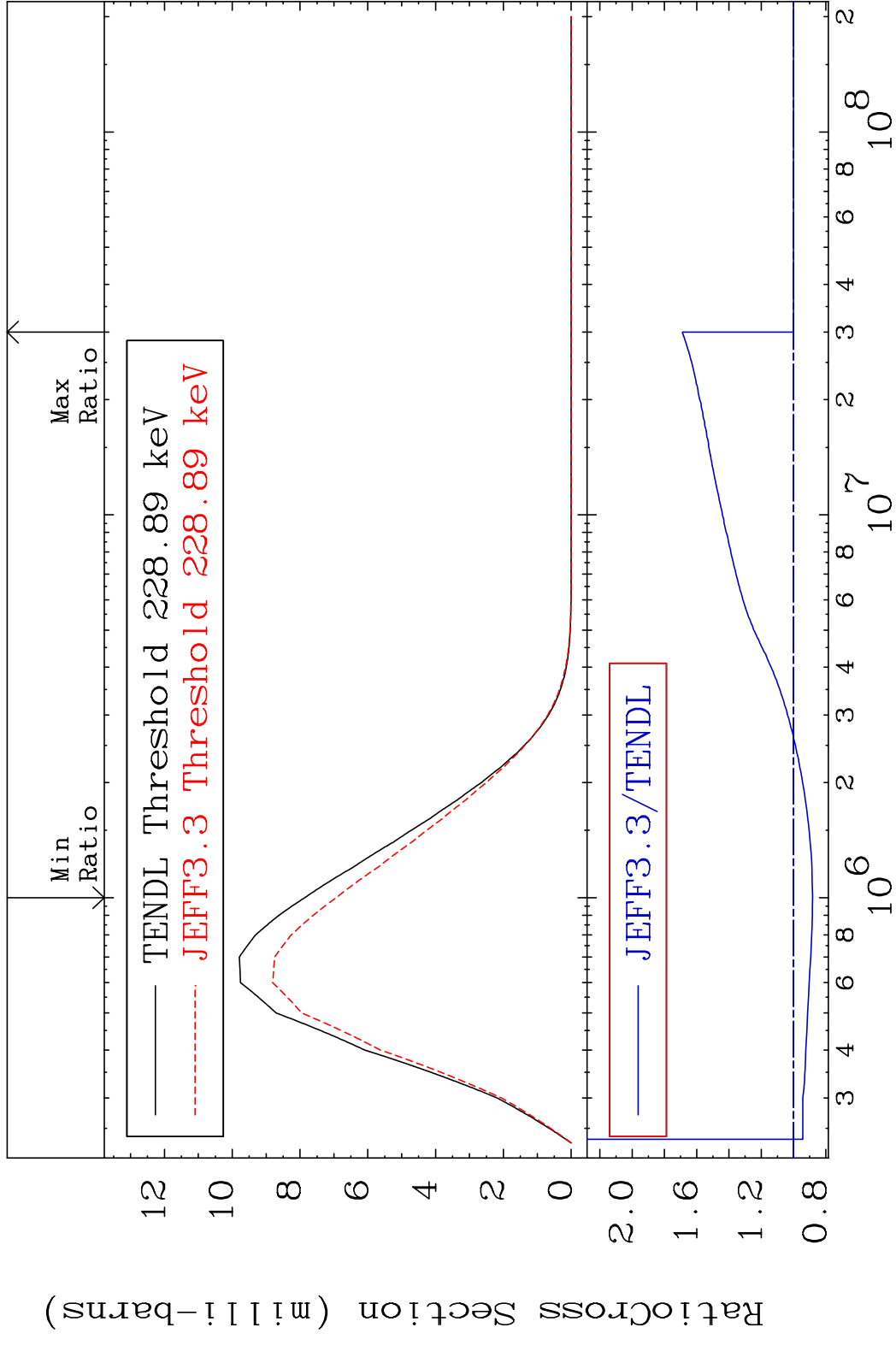
MAT 7722 MT= 65 (n, n') Level 77-Ir-190  
 Cross Section -1.662 To 0.126 %



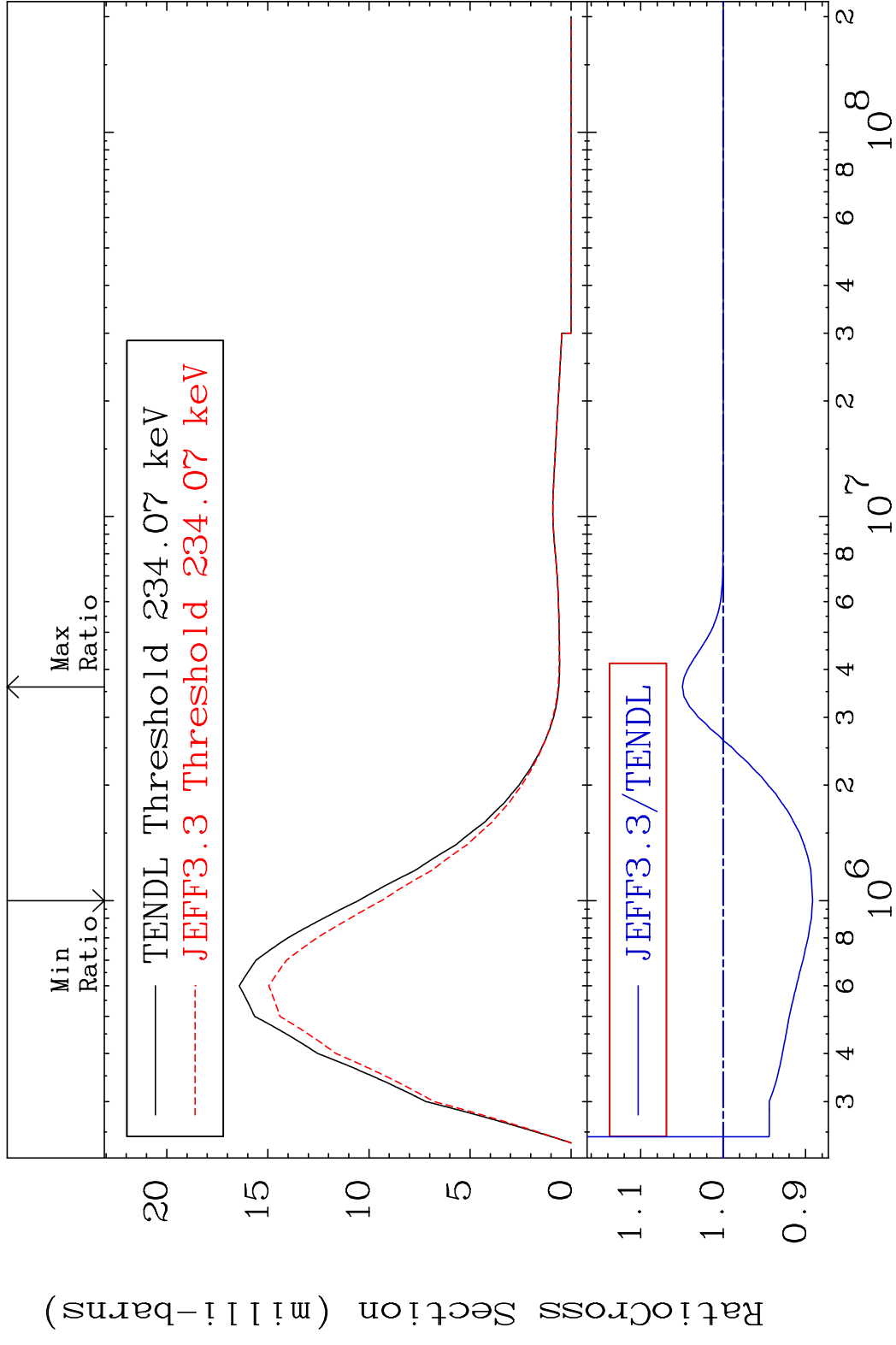
MAT 7722 MT= 66 (n, n') Level 77-Ir-190  
 Cross Section -3.006 To 69.16 %



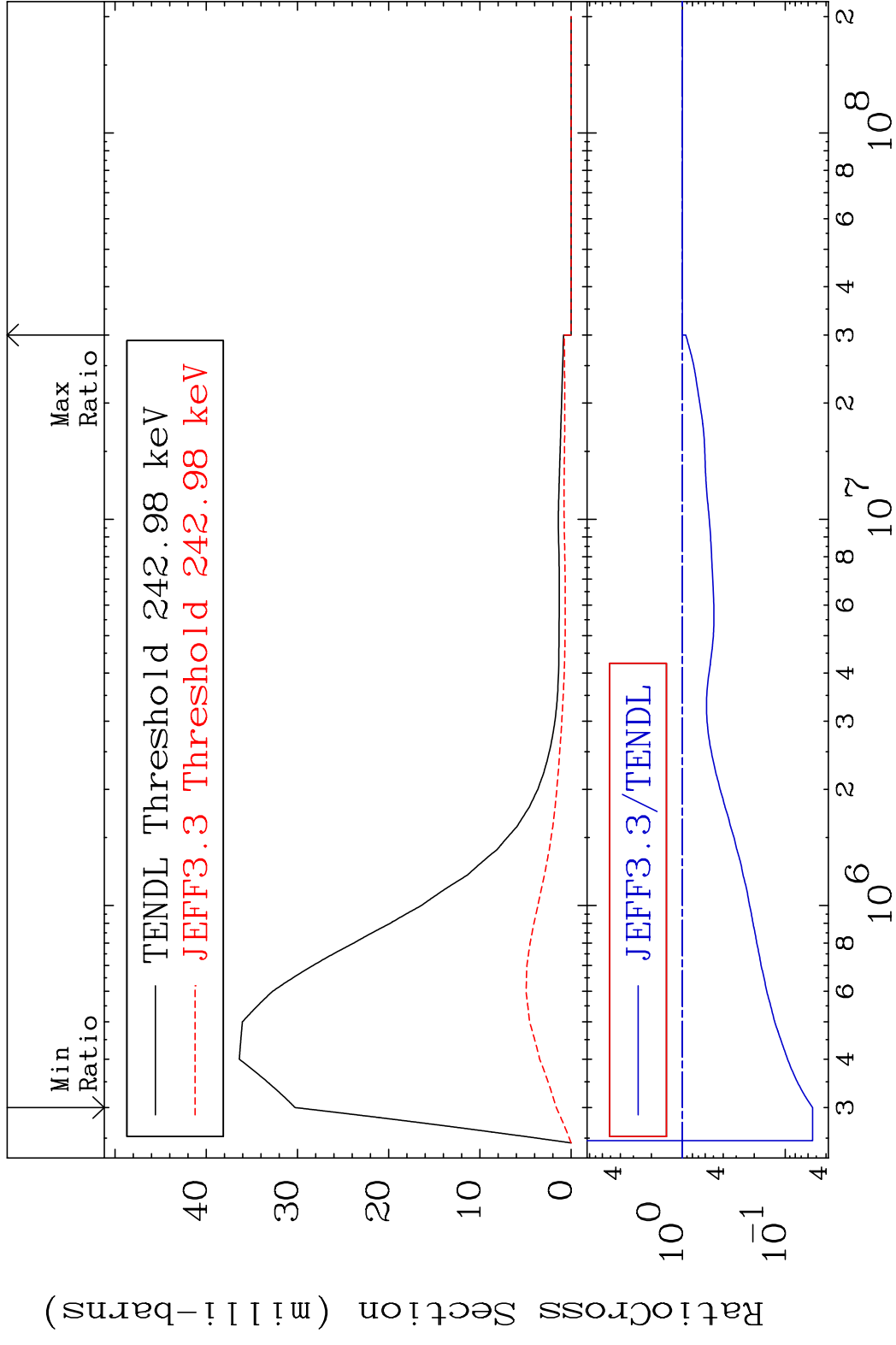
MAT 7722 MT= 67 (n, n') Level 77-Ir-190  
 Cross Section -11.80 To 68.90 %



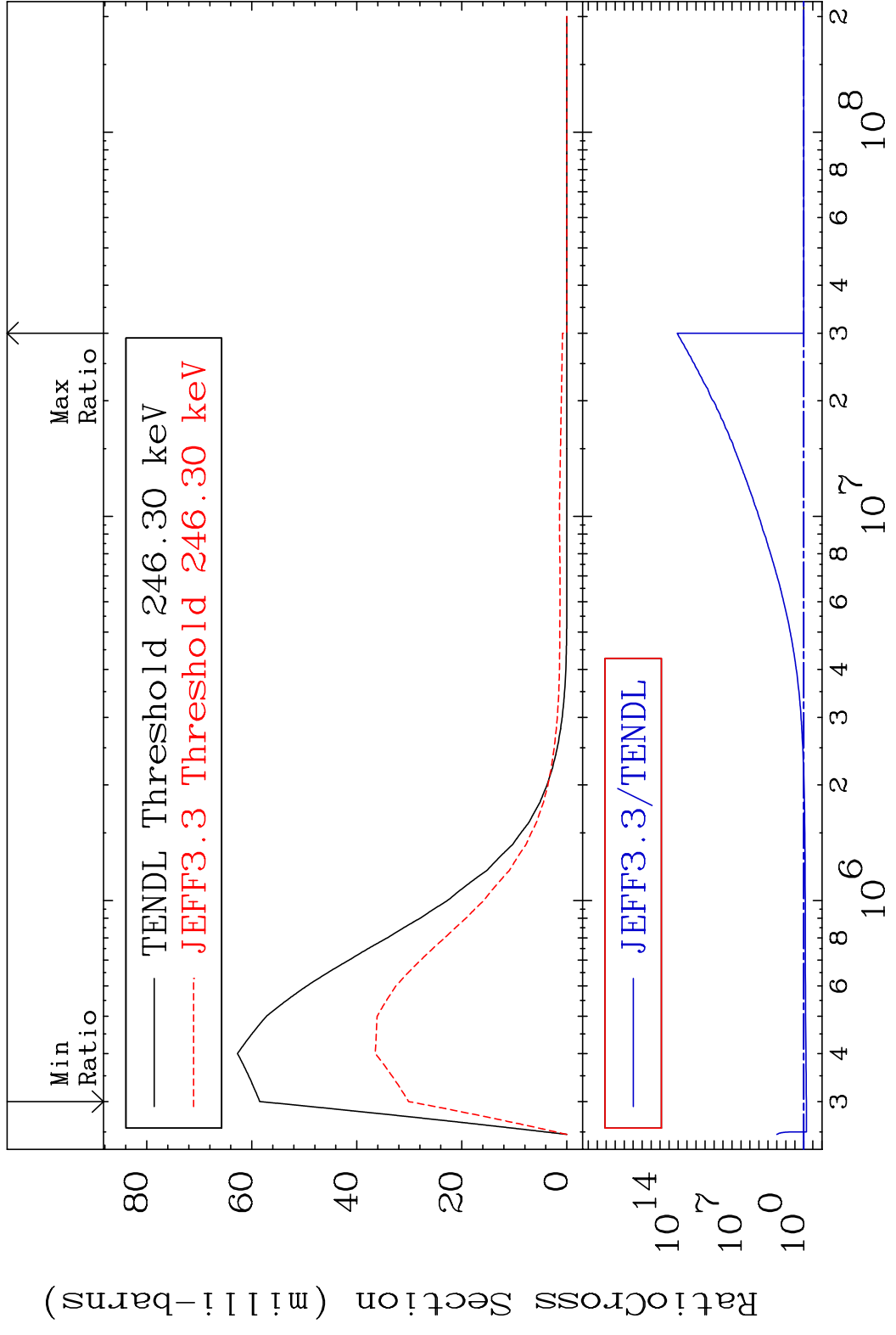
MAT 7722 MT= 68 (n, n') Level 77-Ir-190  
 Cross Section -10.84 To 4.950 %



MAT 7722 MT= 69 (n, n') Level 77-Ir-190  
 Cross Section -94.58 To 0.000 %



MAT 7722 MT= 70 (n,n') Level 77-Ir-190  
 Cross Section -48.45 To 9999. %



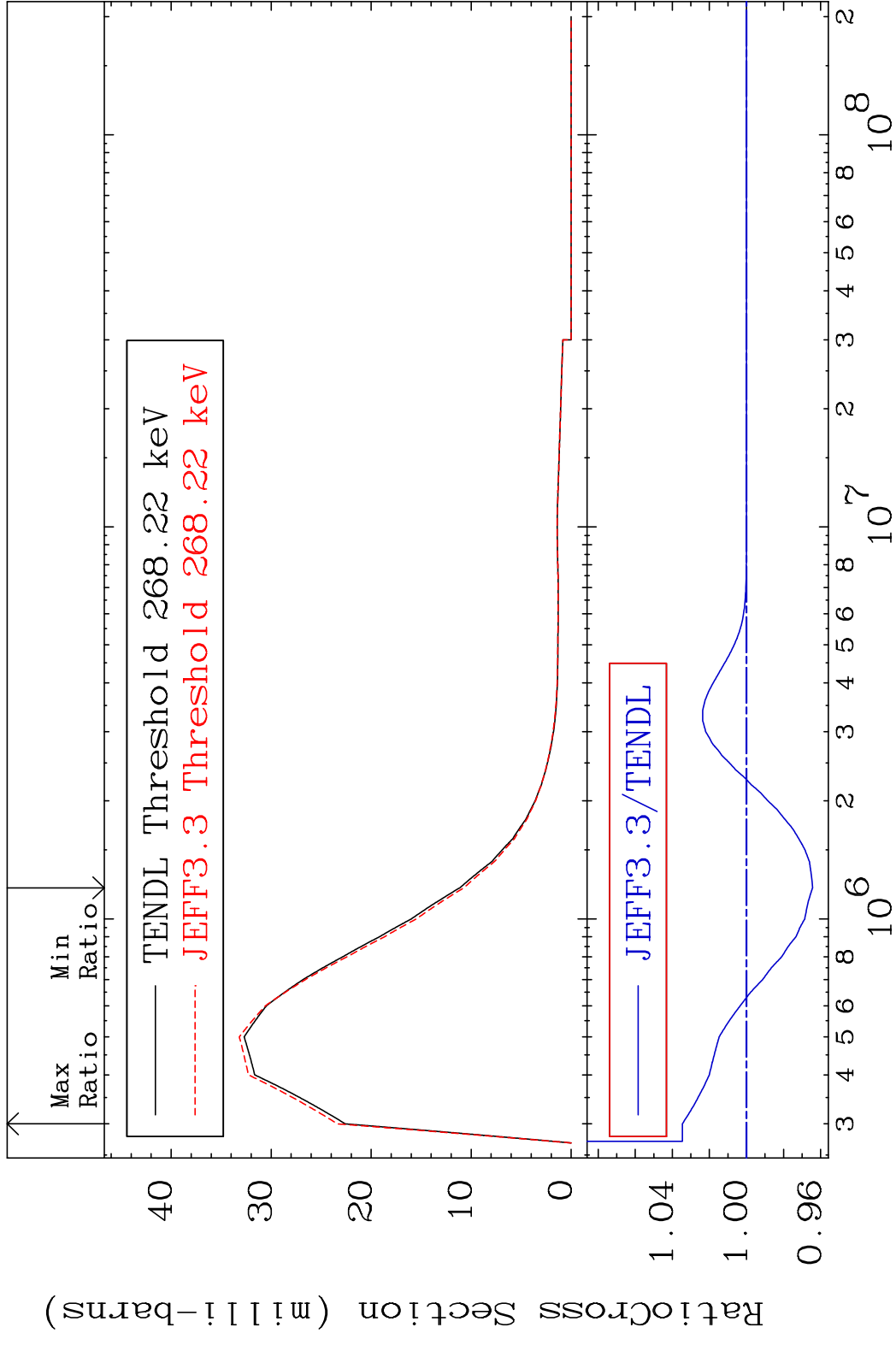


MAT 7722

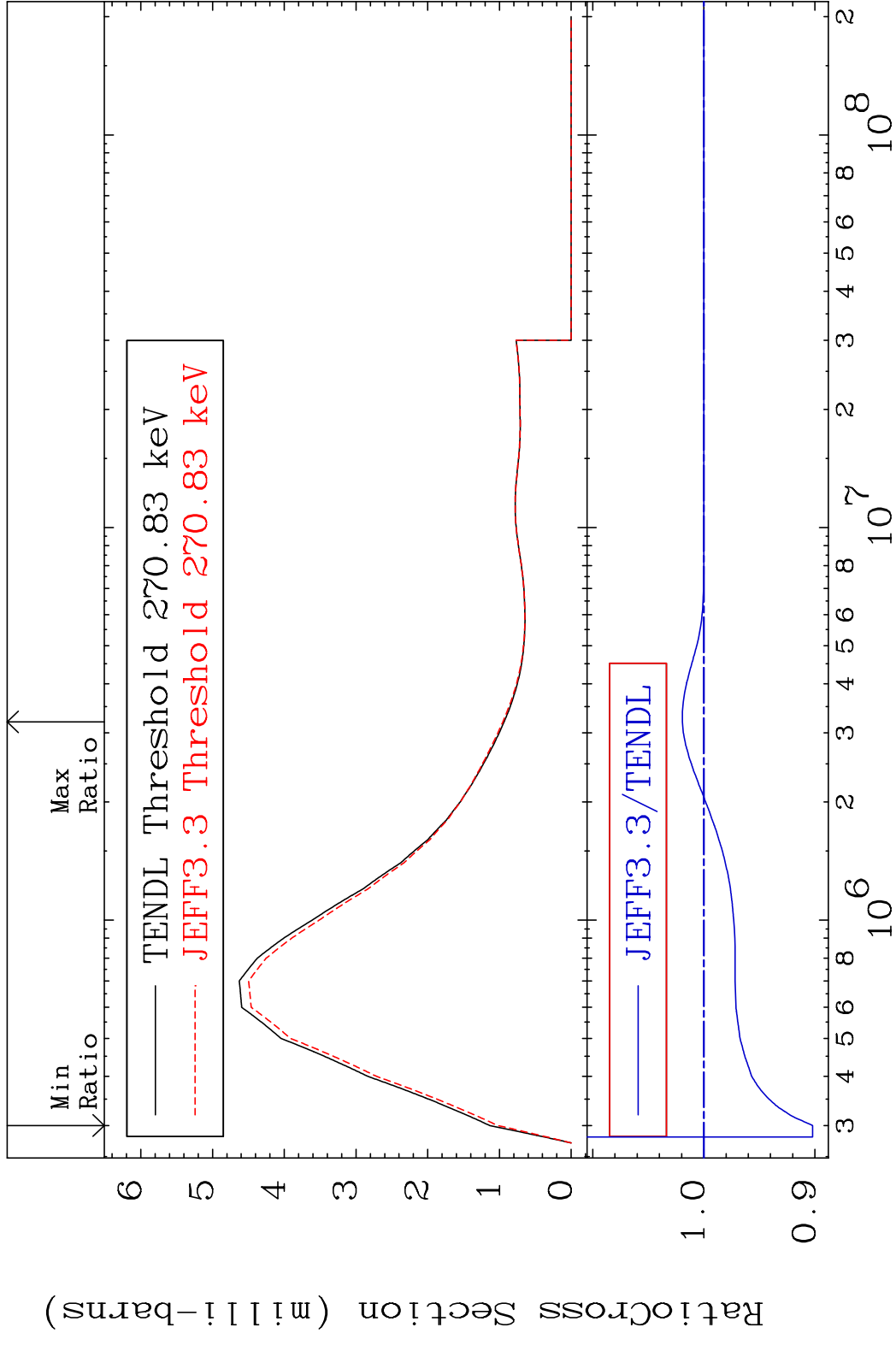
MT= 71 (n, n') Level

77-Ir-190

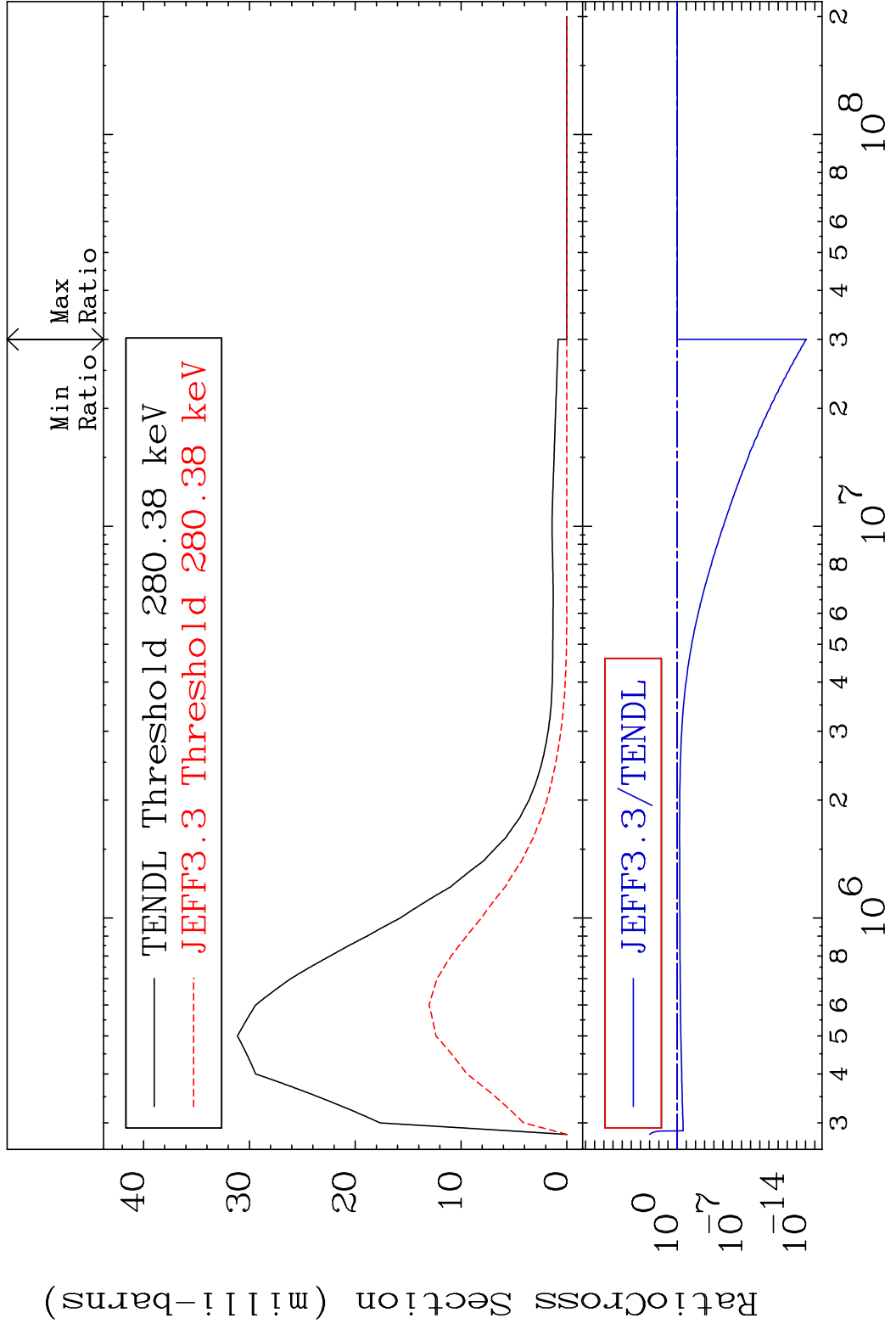
Cross Section -3.564 To 3.458 %



MAT 7722 MT= 72 (n,n') Level 77-Ir-190  
 Cross Section -9.785 To 1.934 %



MAT 7722 MT= 73 (n, n') Level 77-Ir-190  
 Cross Section -100.0 To 0.000 %

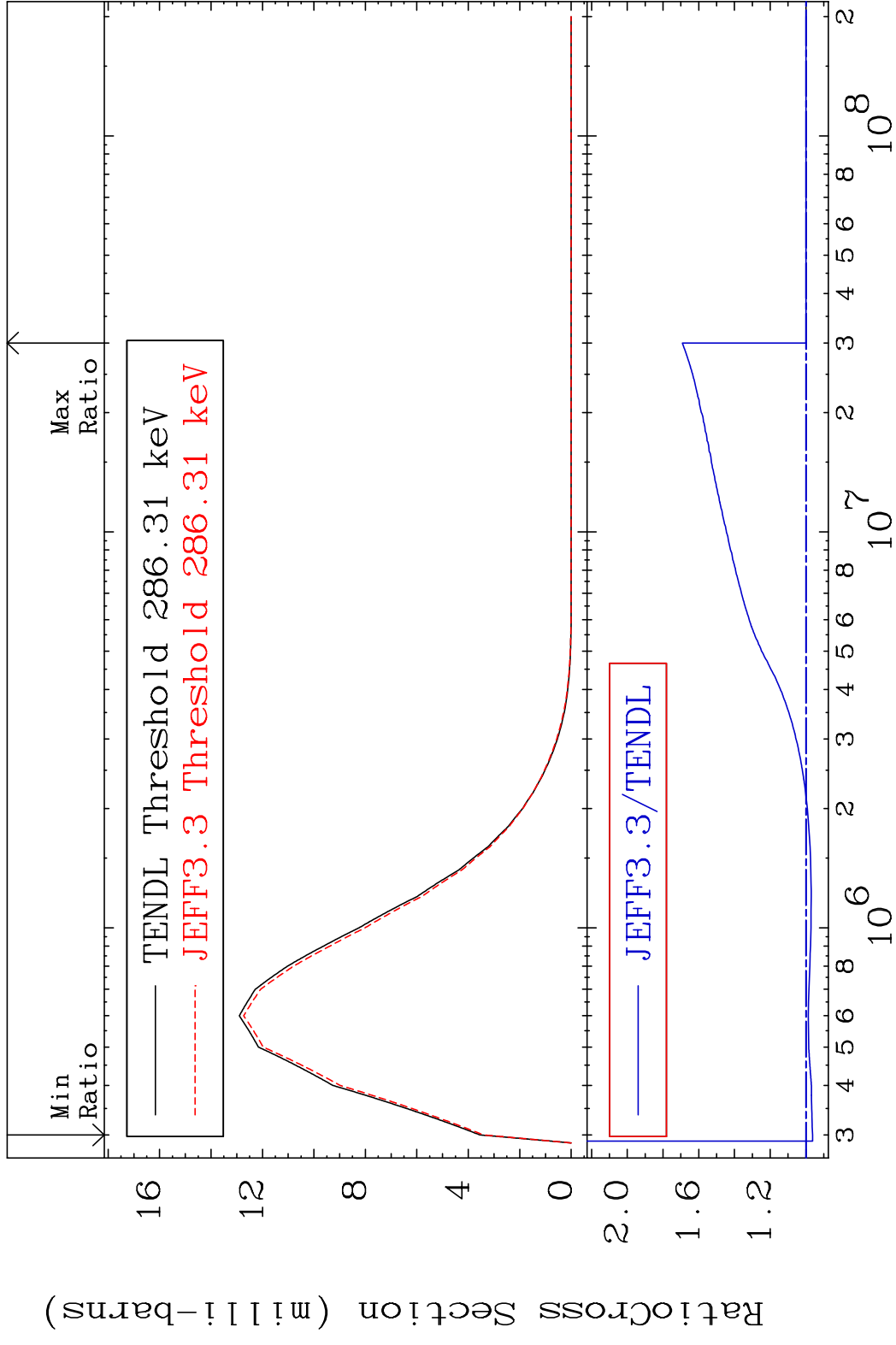


MAT 7722

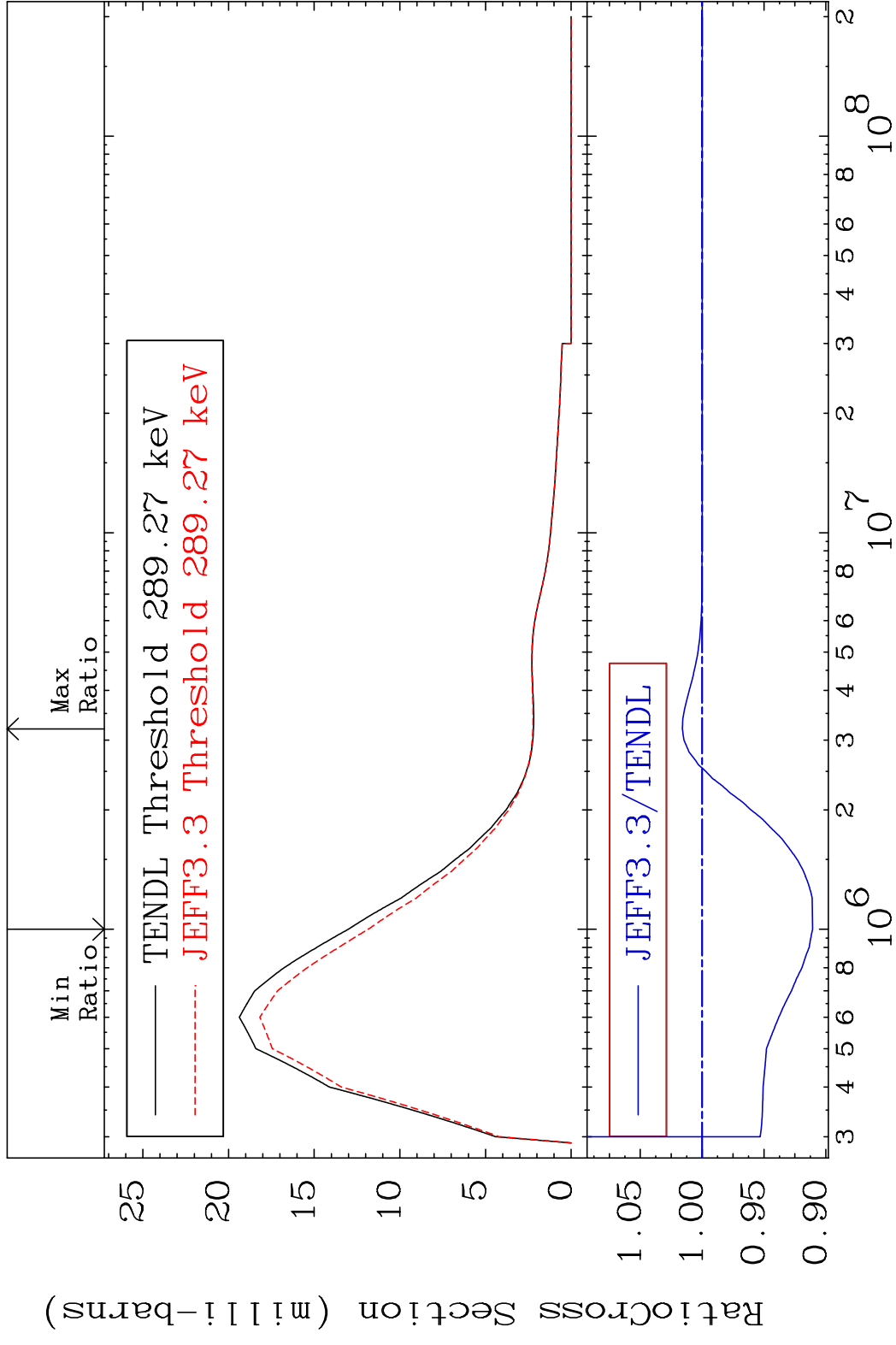
MT= 74 (n, n') Level

77-Ir-190

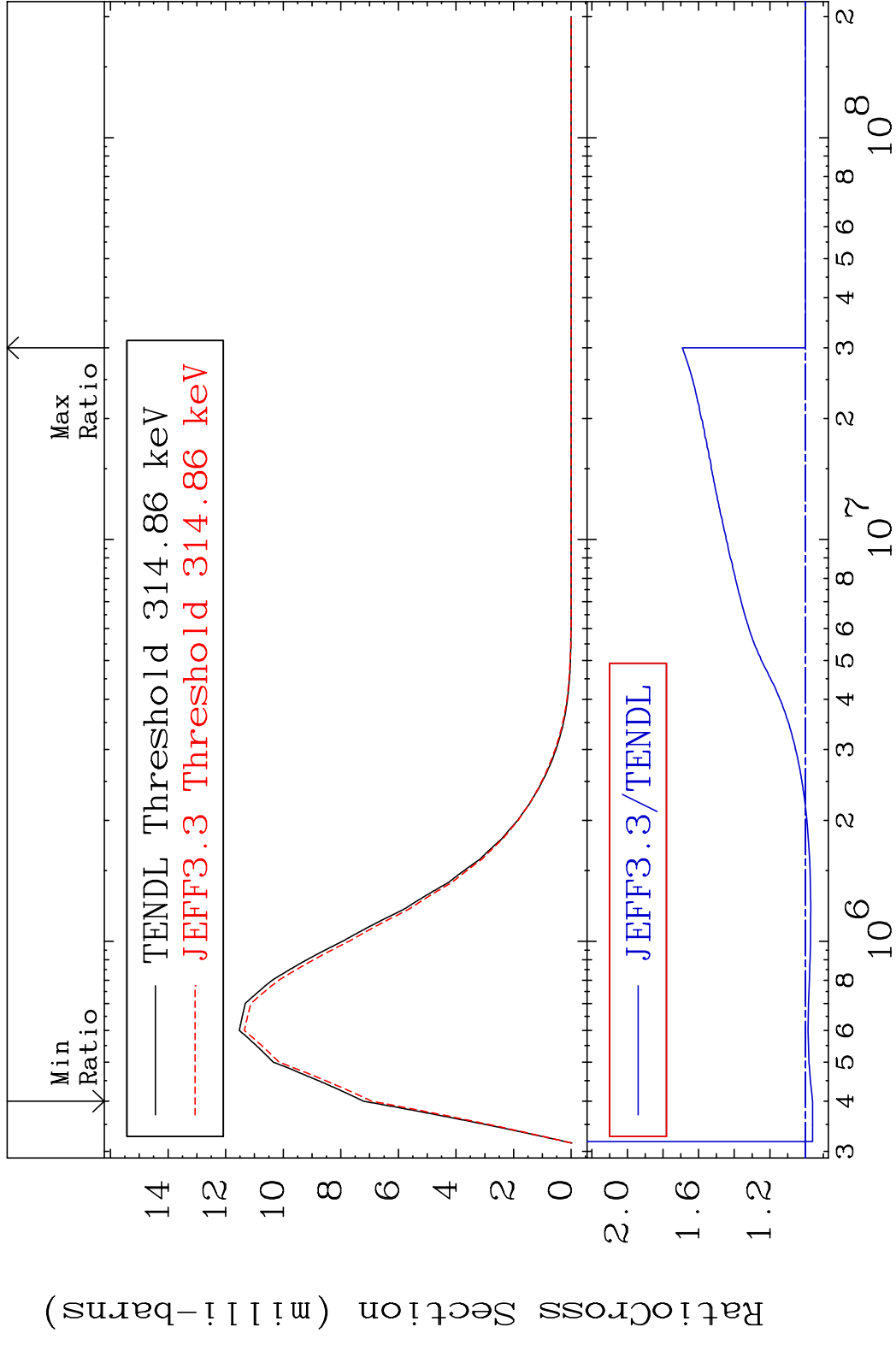
Cross Section -3.719 To 69.16 %



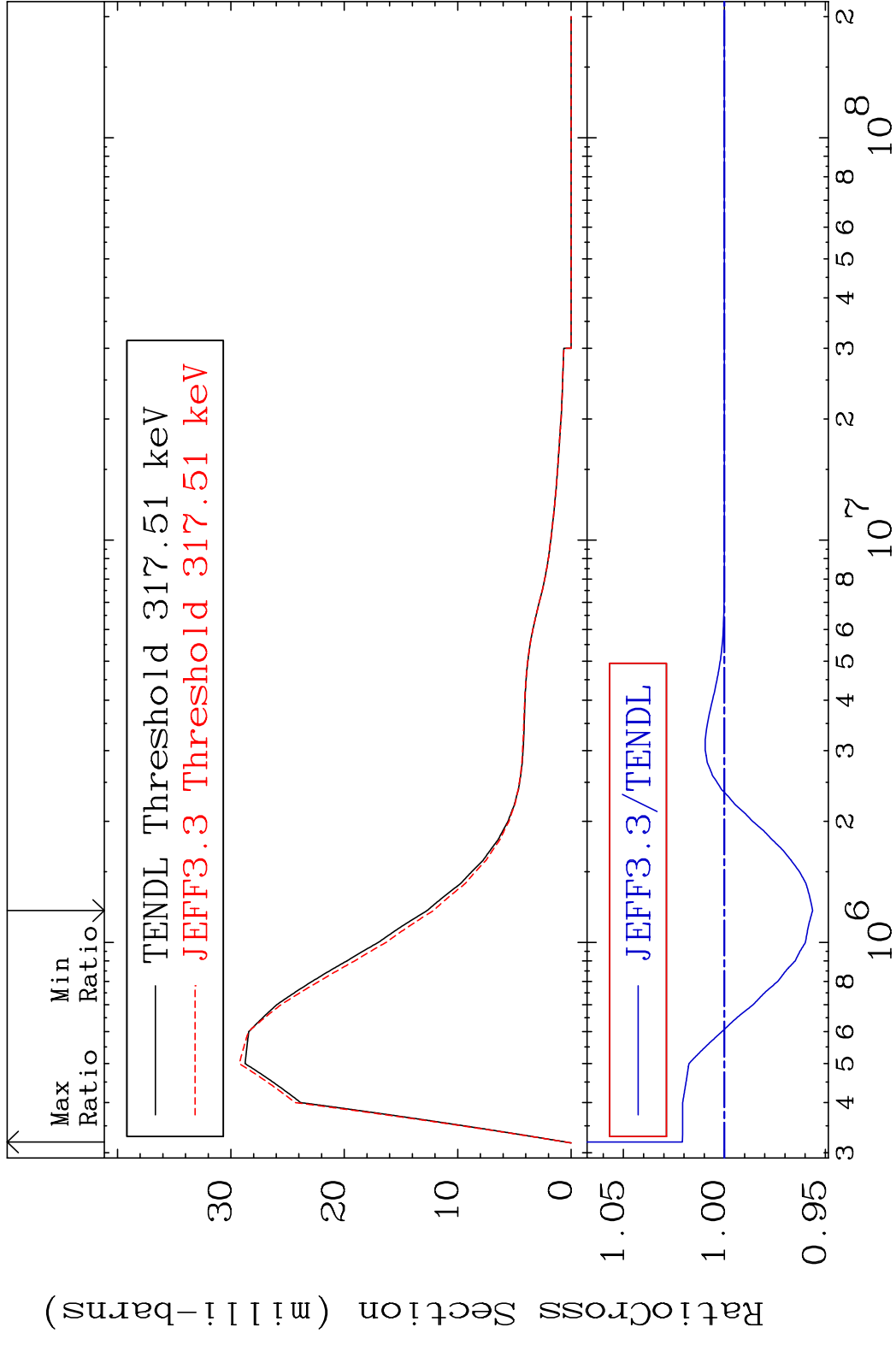
MAT 7722 MT= 75 (n,n') Level 77-Ir-190  
 Cross Section -8.925 To 1.600 %



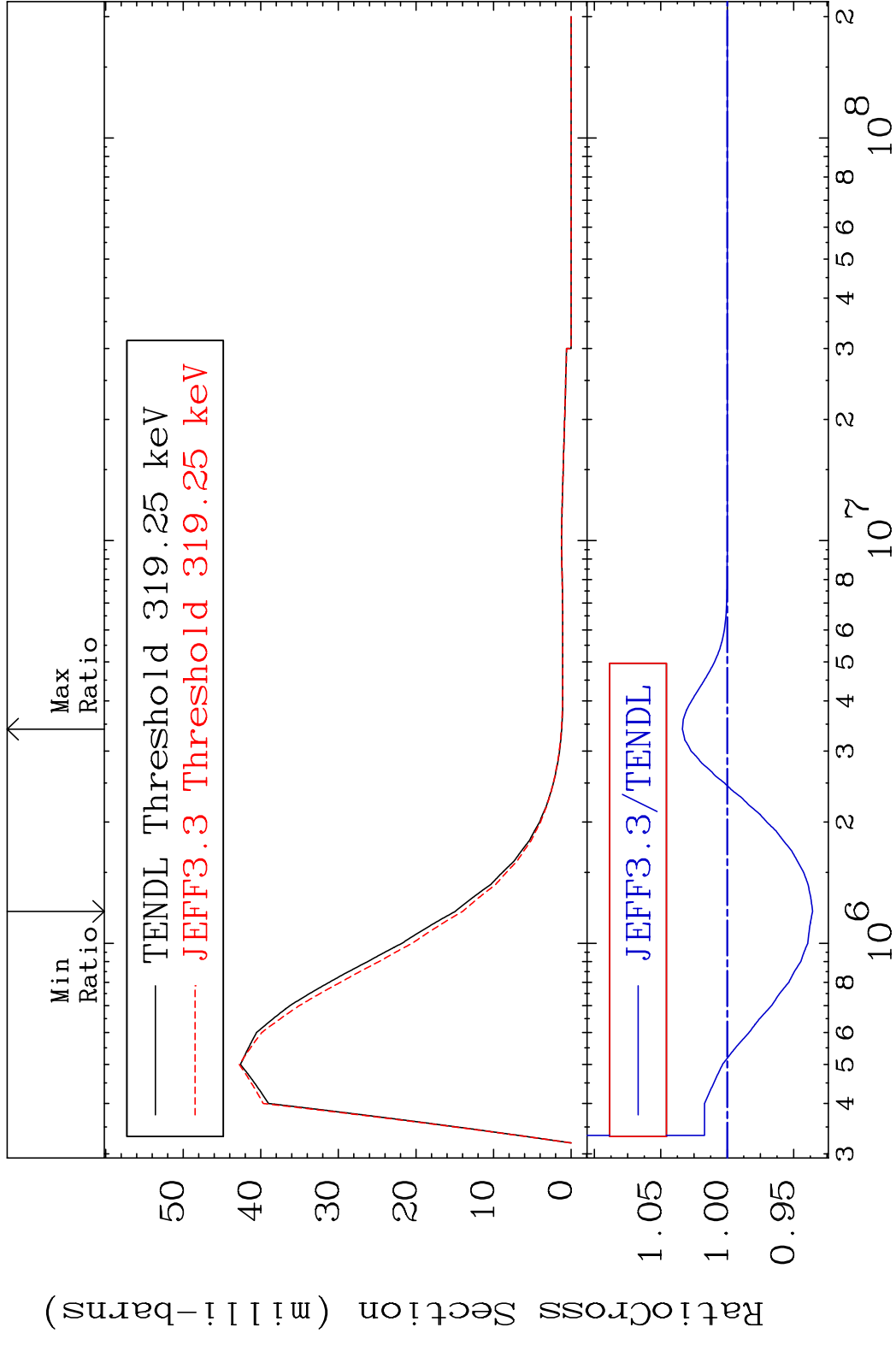
MAT 7722 MT= 76 (n,n') Level 77-Ir-190  
 Cross Section -3.983 To 69.16 %



MAT 7722 MT= 77 (n,n') Level 77-Ir-190  
 Cross Section -4.369 To 2.081 %



MAT 7722 MT= 78 (n,n') Level 77-Ir-190  
 Cross Section -6.423 To 3.378 %



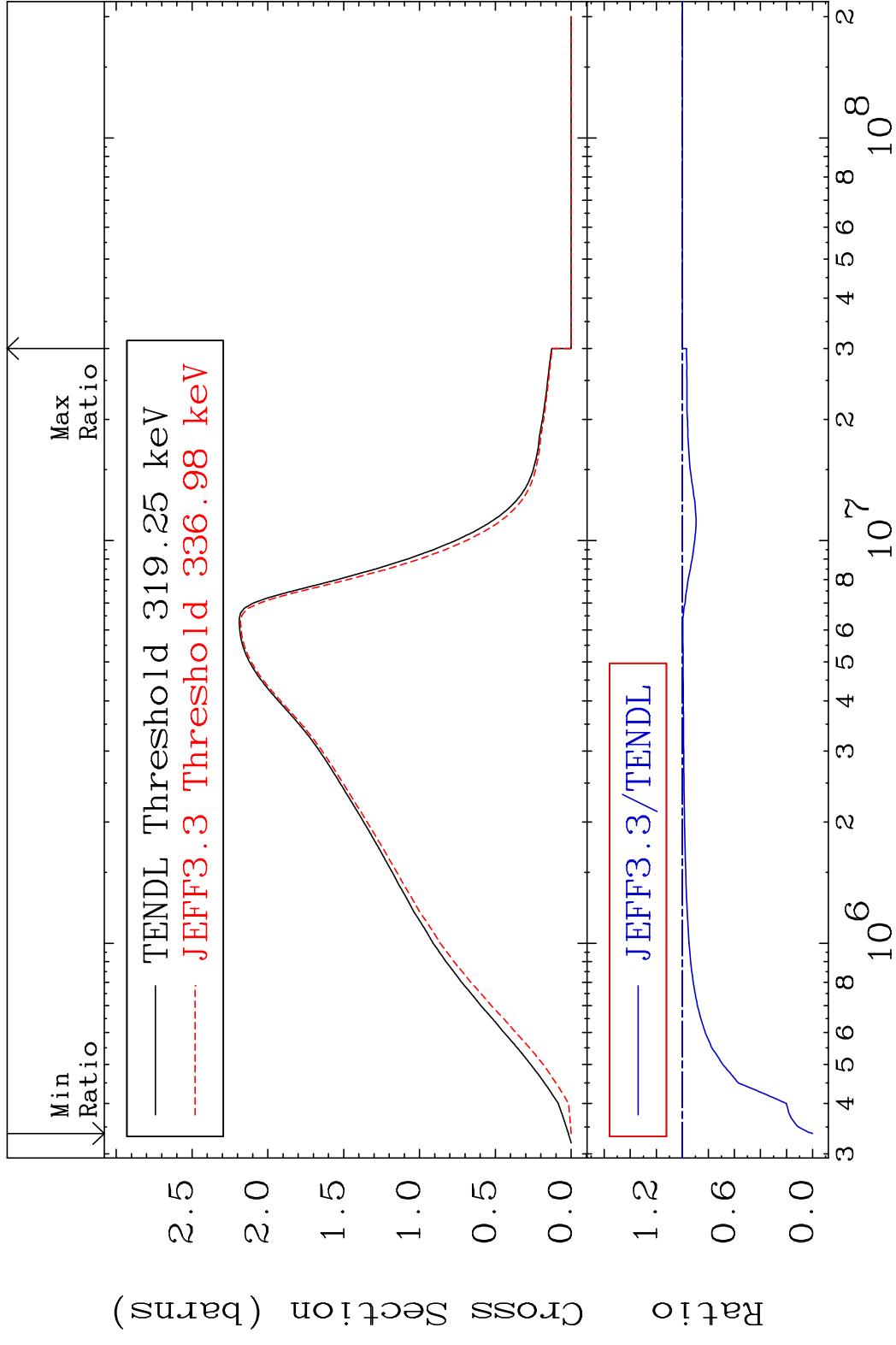


MAT 7722

(n, n') Continuum

77-Ir-190

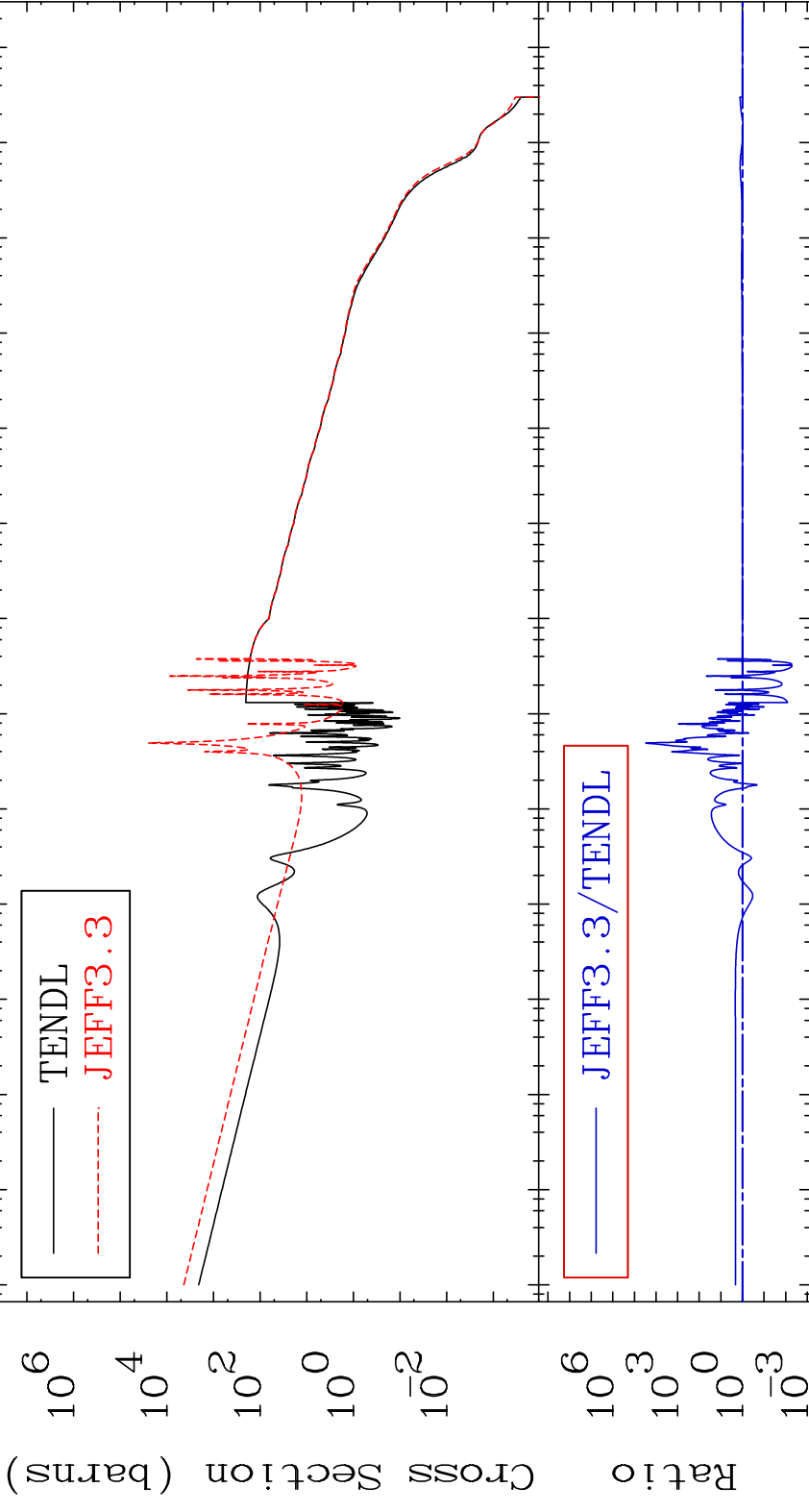
Cross Section -100.0 To 0.000 %



MAT 7722

(n,  $\gamma$ )  
Cross Section -99.50 To 9999. %

77-Ir-190

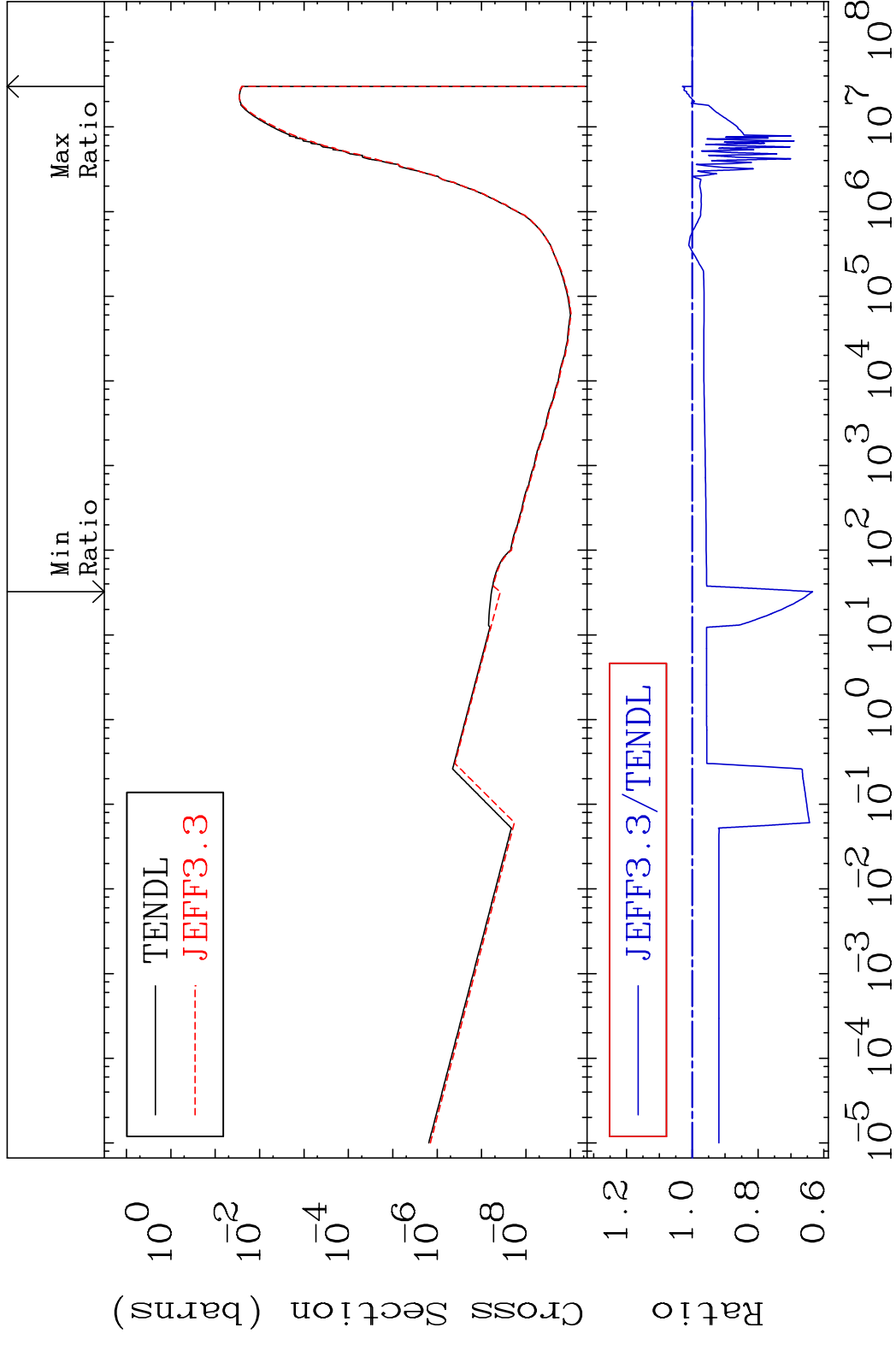


MAT 7722

(n, p)

77-Ir-190

Cross Section -36.59 To 3.017 %

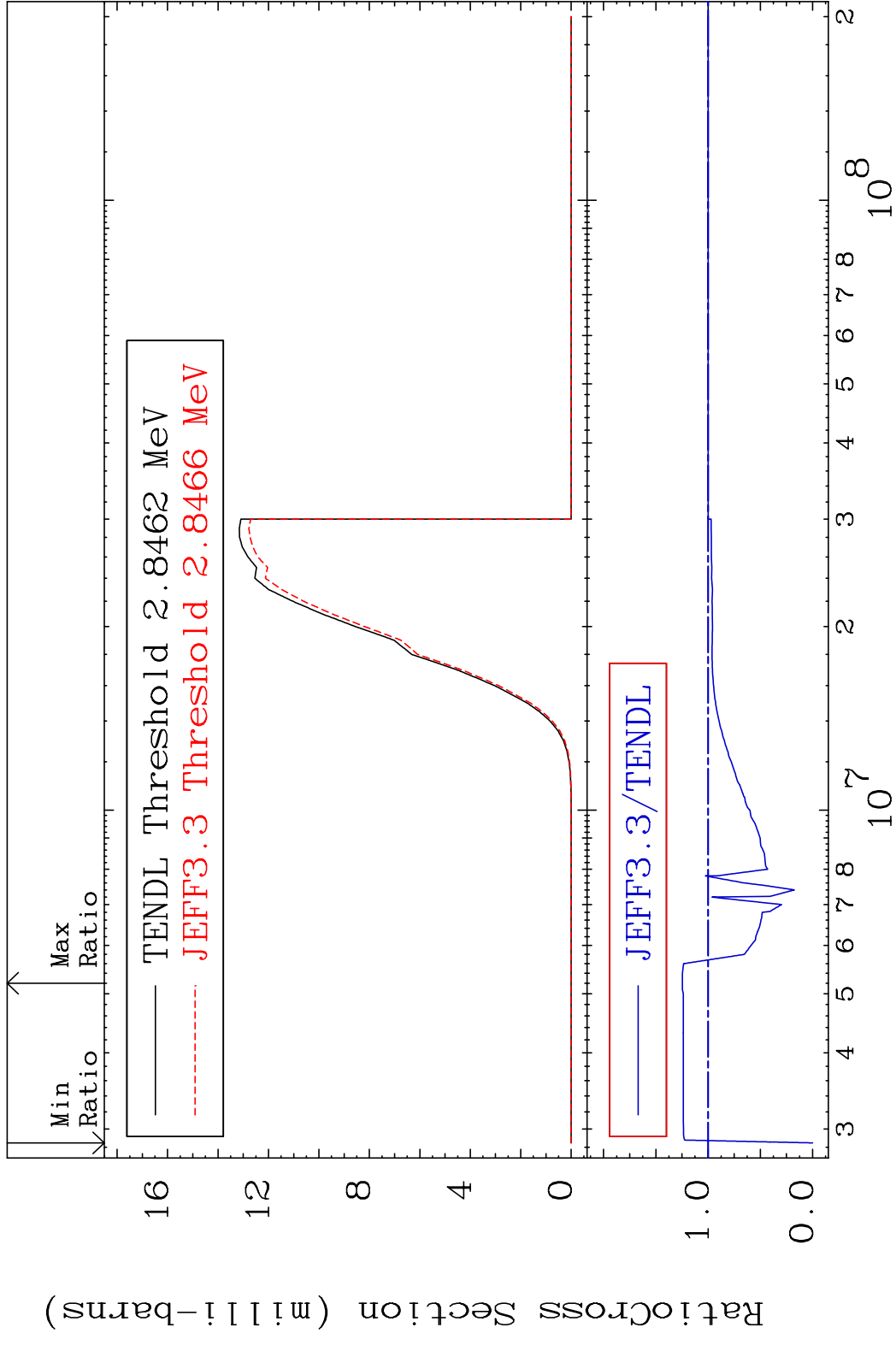


MAT 7722

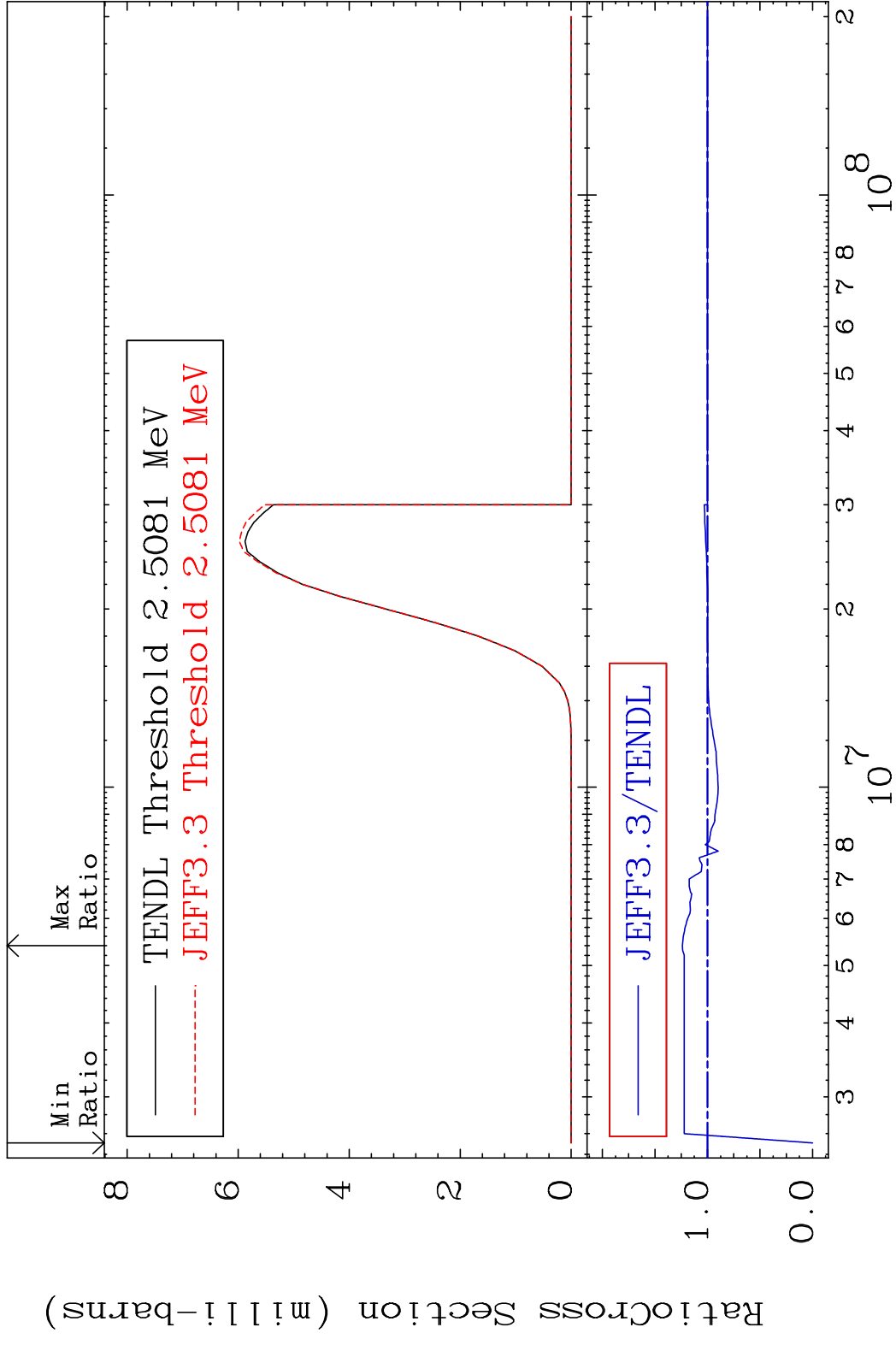
(n, d)

77-Ir-190

Cross Section -100.0 To 24.61 %



MAT 7722 (n, t) 77-Ir-190  
 Cross Section -100.0 To 23.91 %

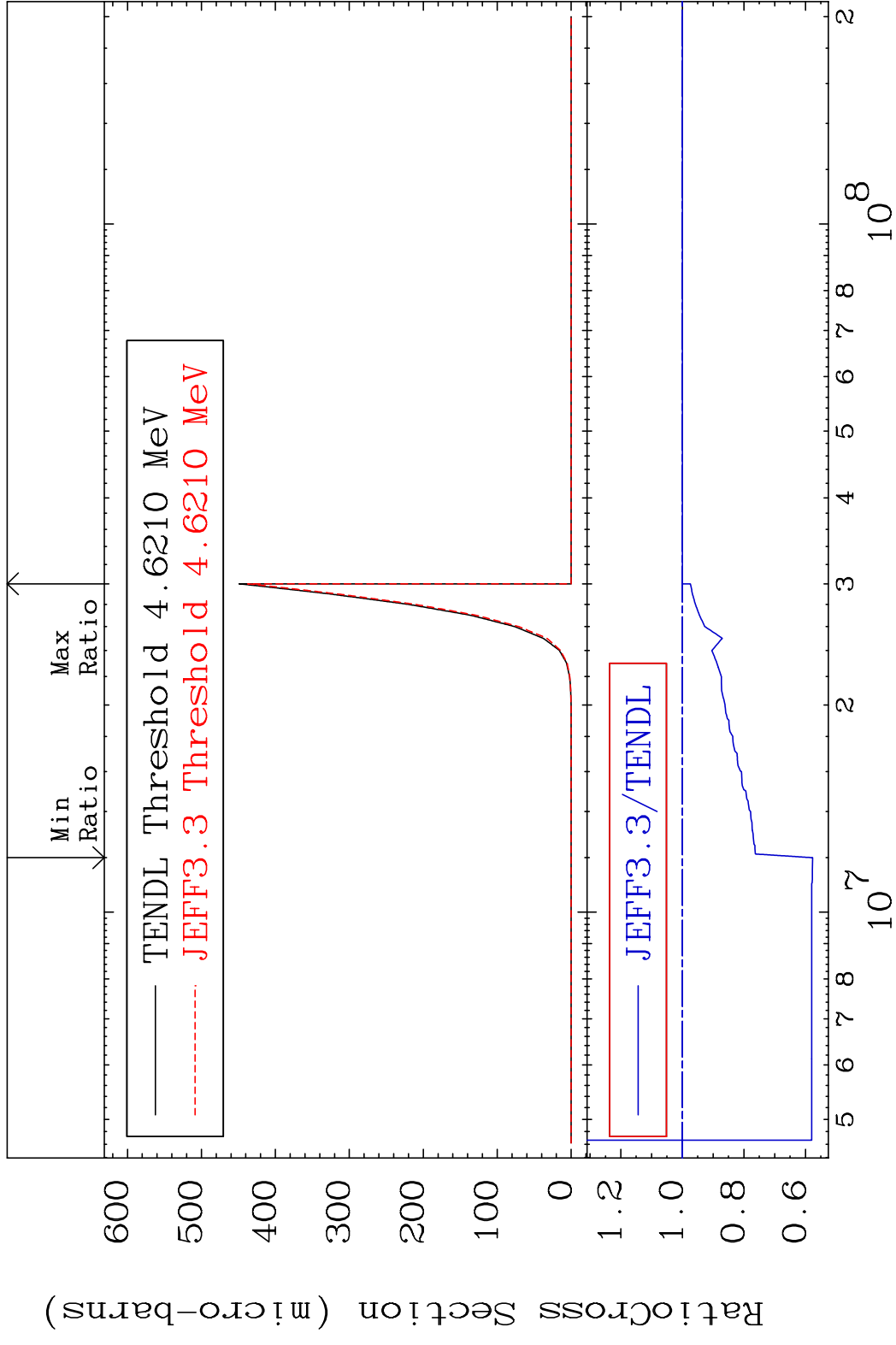


MAT 7722

(n, He-3)

77-Ir-190

Cross Section -42.31 To 0.000 %

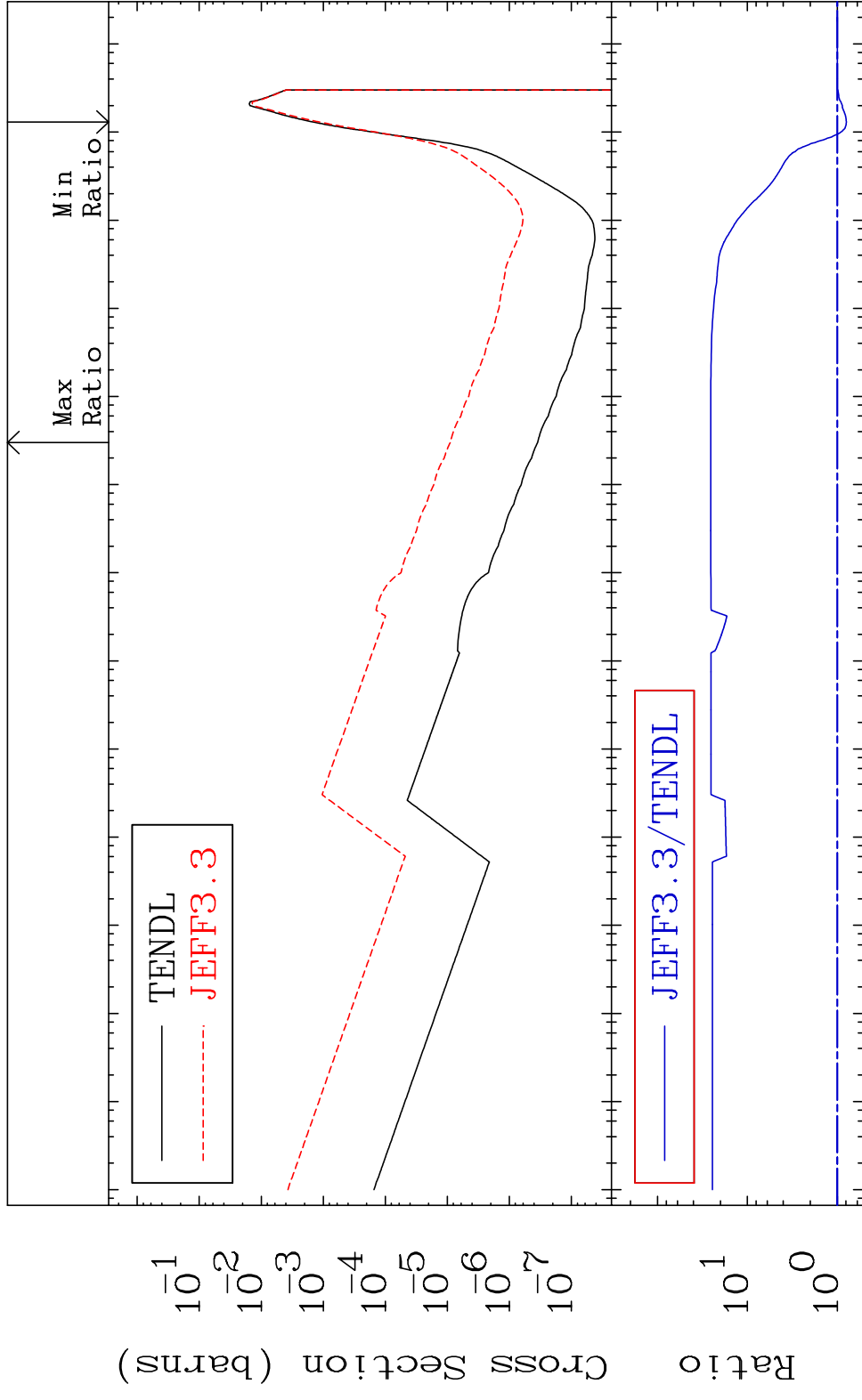


MAT 7722

77-Ir-190

(n,  $\alpha$ )

Cross Section -20.71 To 2463. %

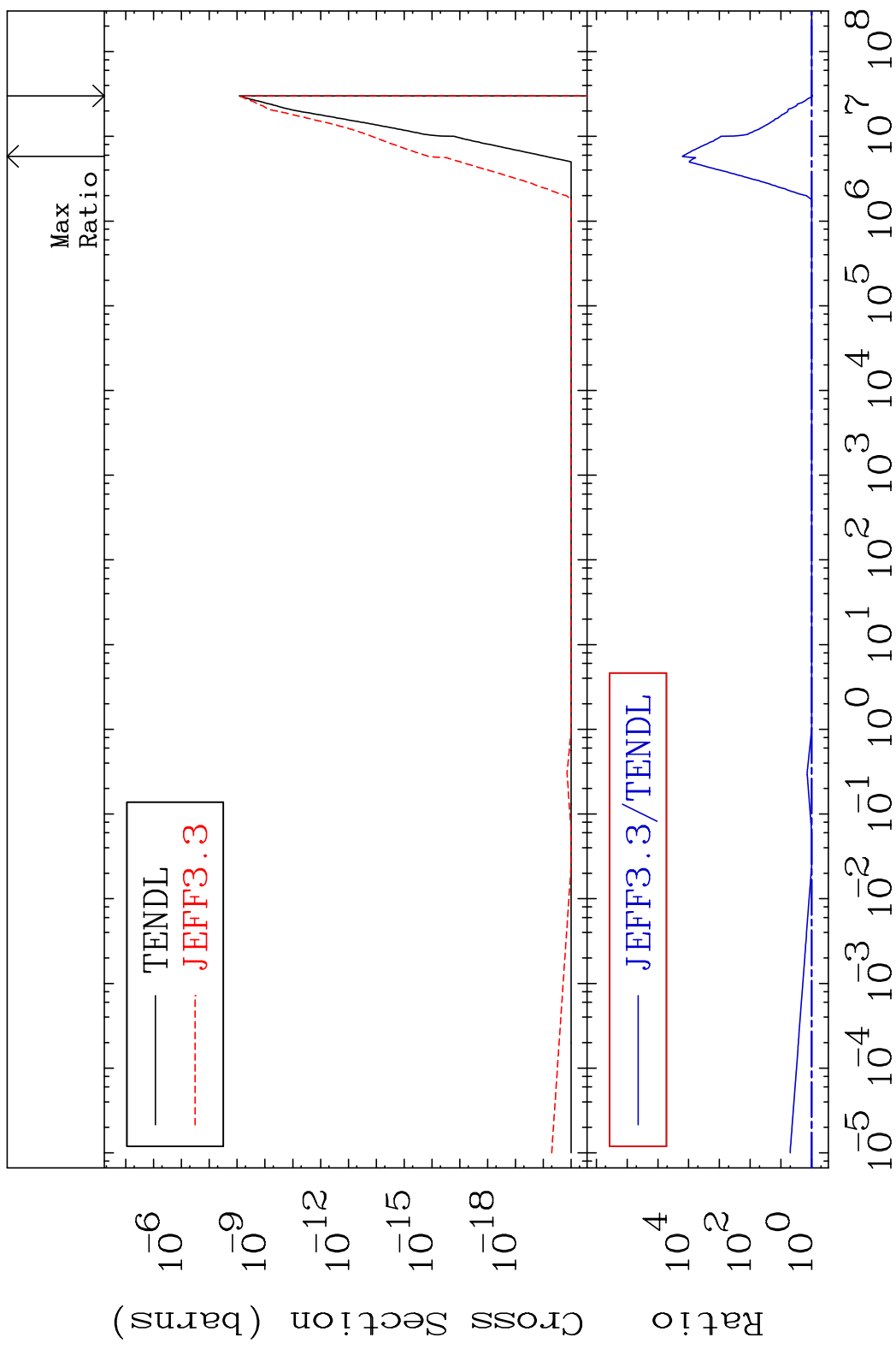


MAT 7722

(n, 2α)

77-Ir-190

Cross Section -6.363 To 9999. %



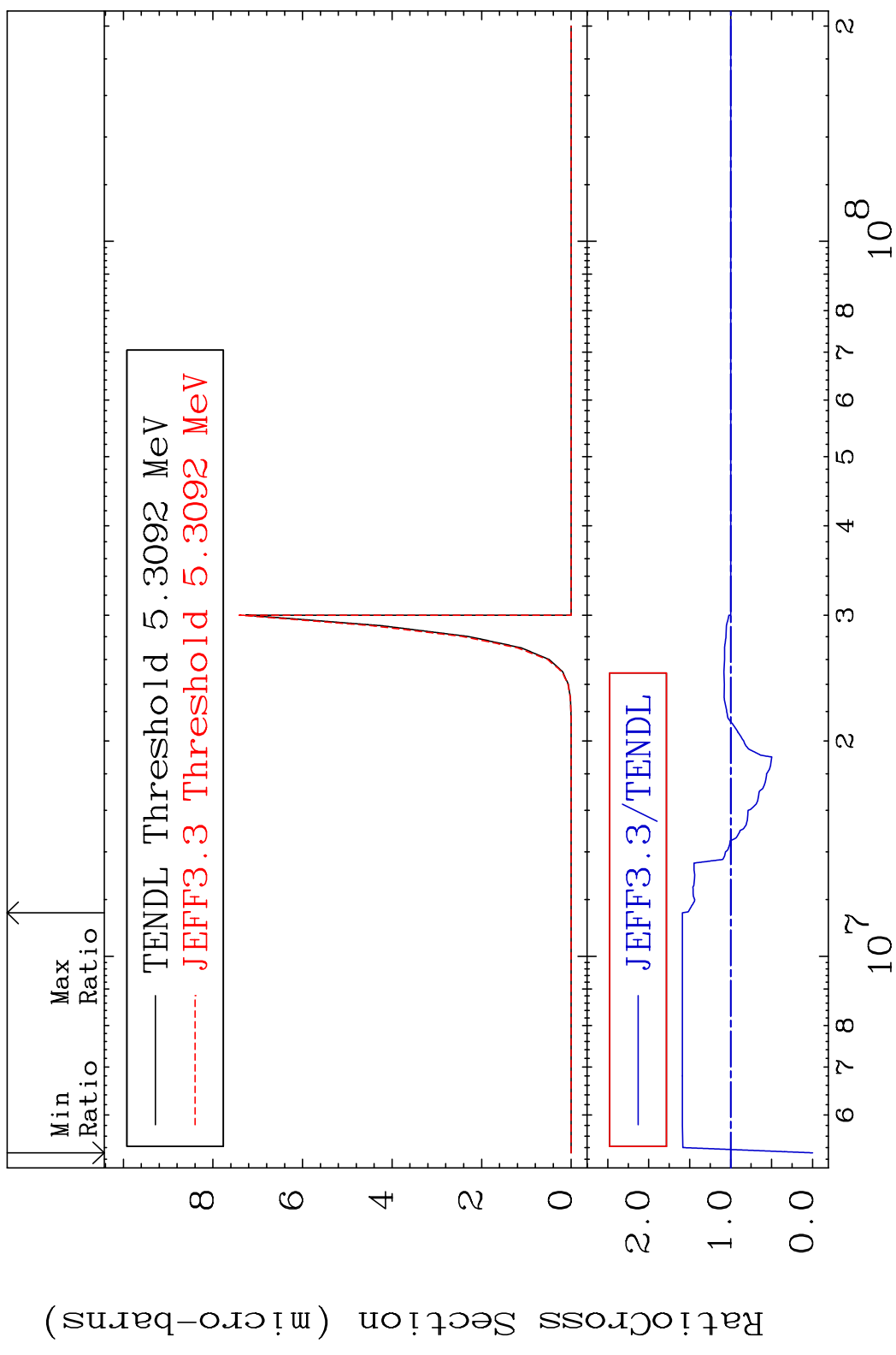


MAT 7722

(n,2p)

77-Ir-190

Cross Section -100.0 To 58.96 %

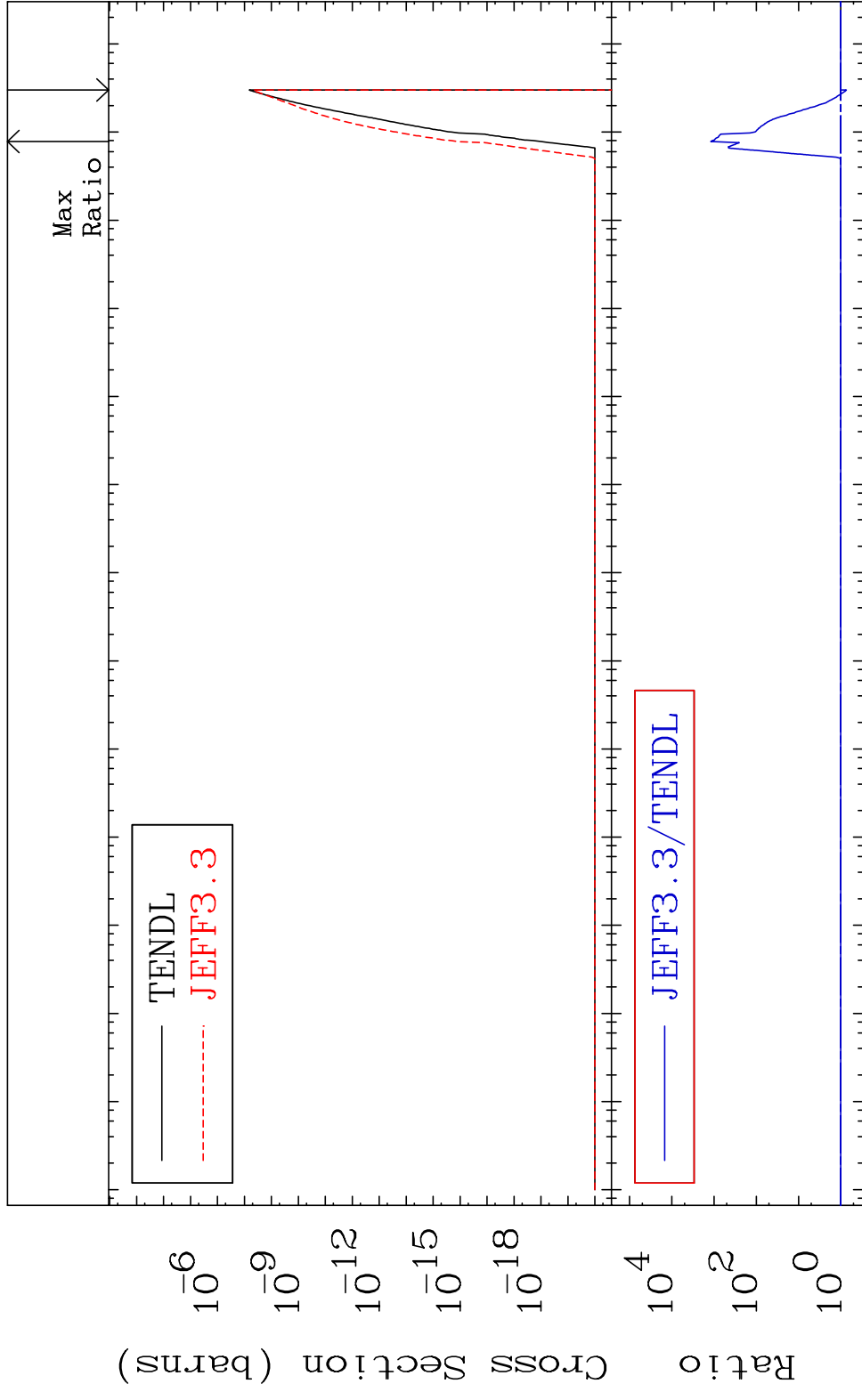


MAT 7722

(n,p)  $\alpha$

77-Ir-190

Cross Section -26.24 To 9999. %

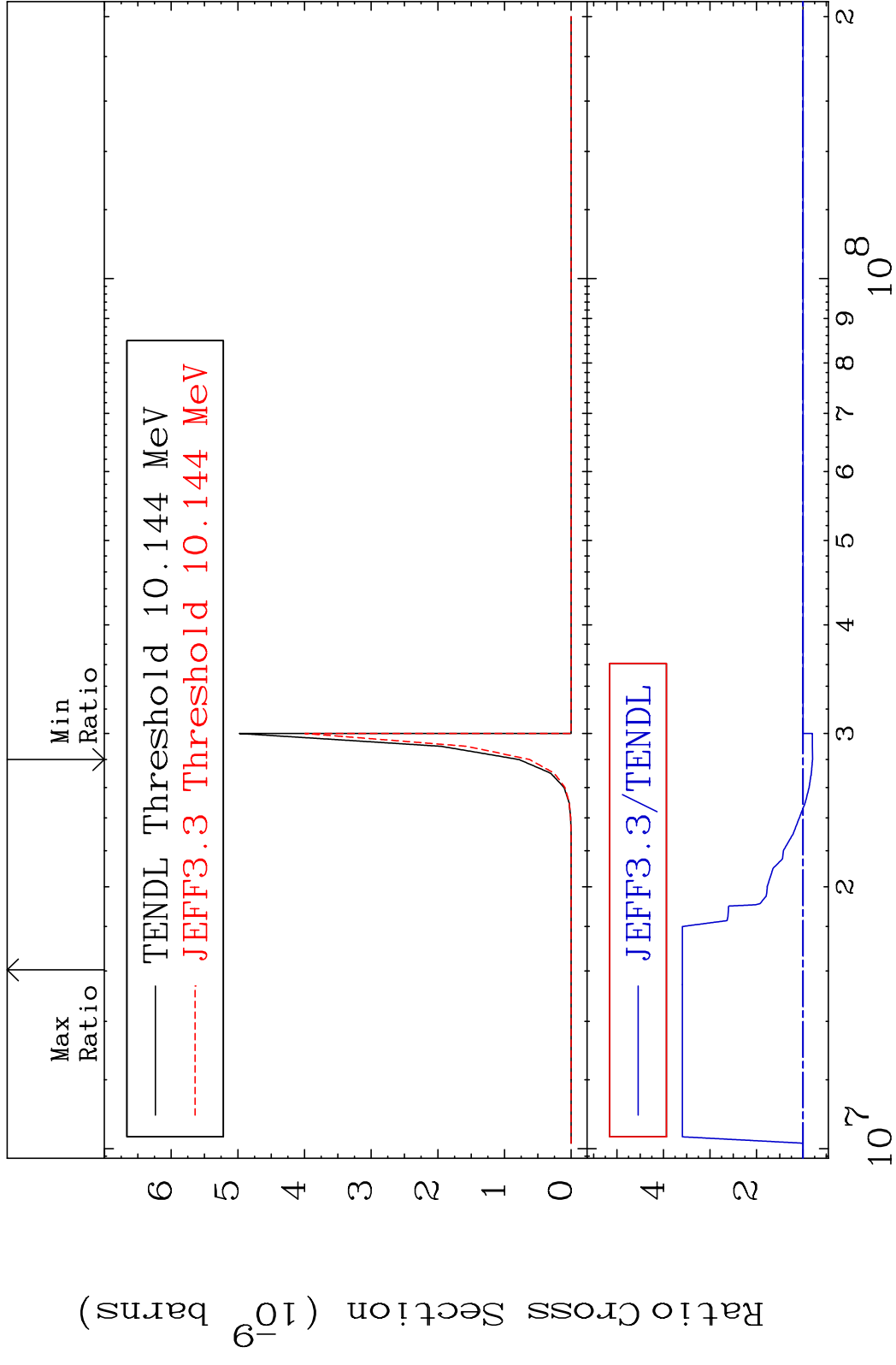


MAT 7722

(n,p) d

77-Ir-190

Cross Section -20.25 To 259.5 %

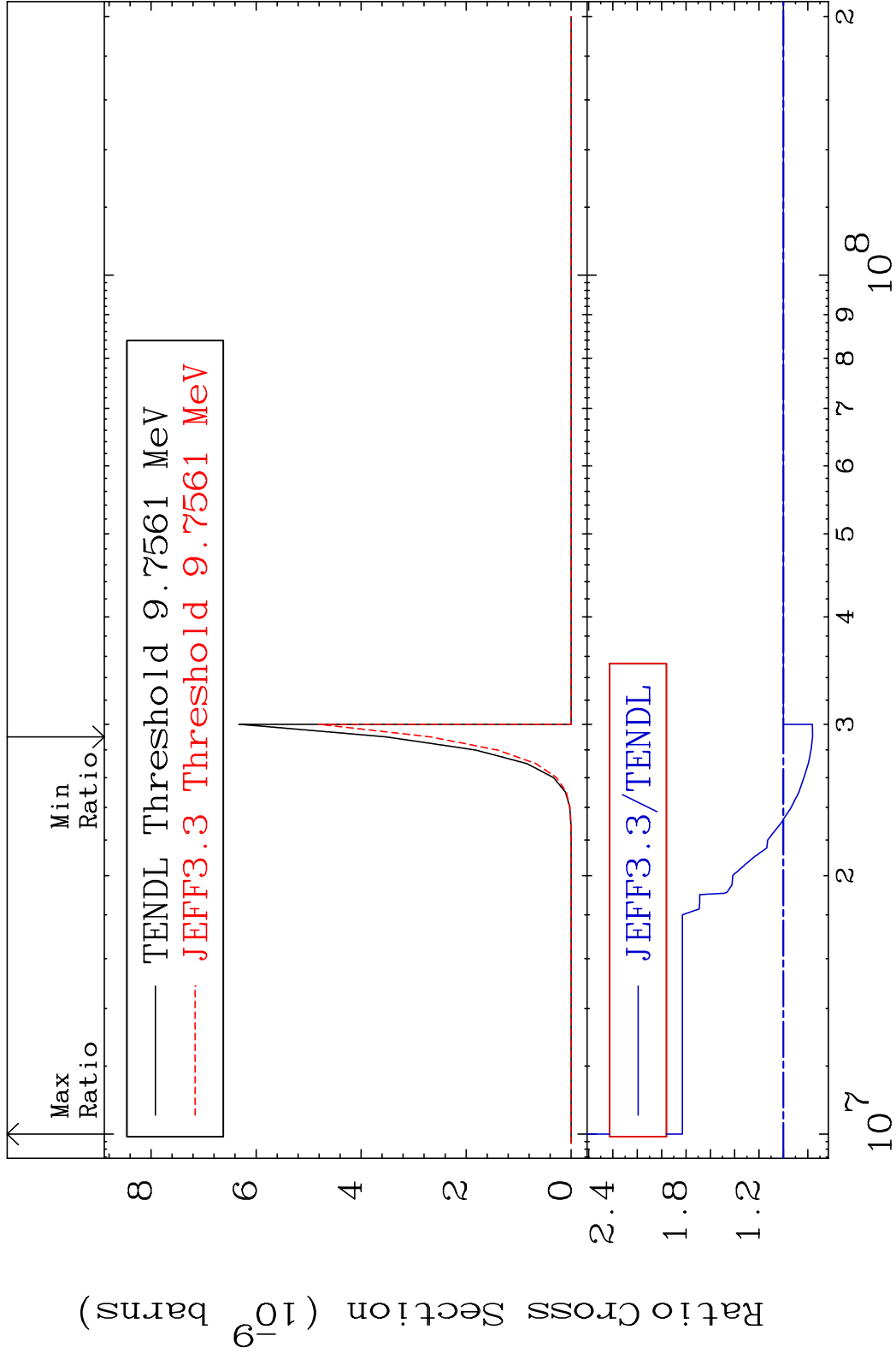


MAT 7722

(n,p) t

77-Ir-190

Cross Section -23.97 To 82.98 %



59

Incident Energy (eV)

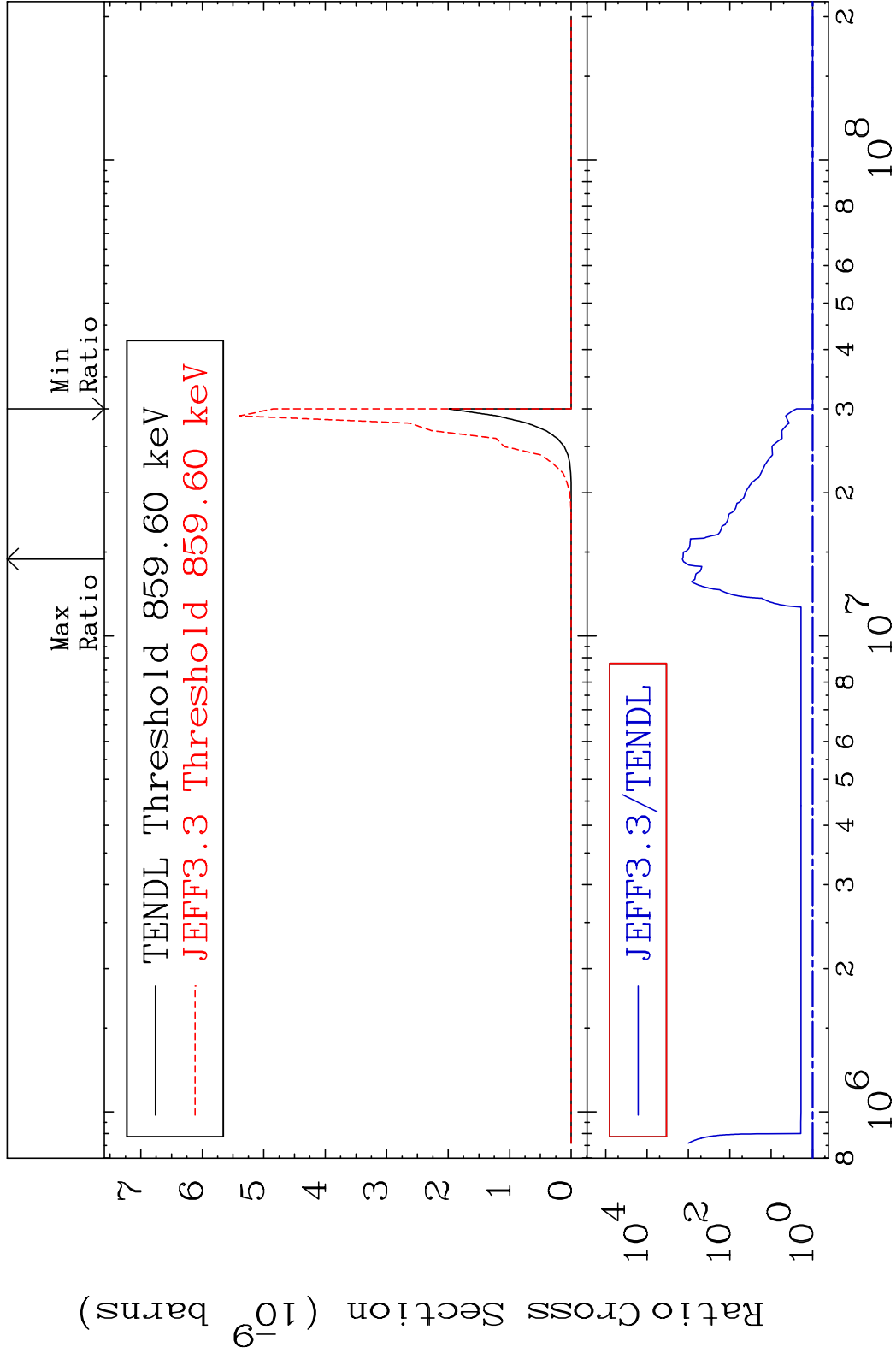
77-Ir-190

MAT 7722

(n, d)  $\alpha$

77-Ir-190

Cross Section 0.000 To 9999. %



60

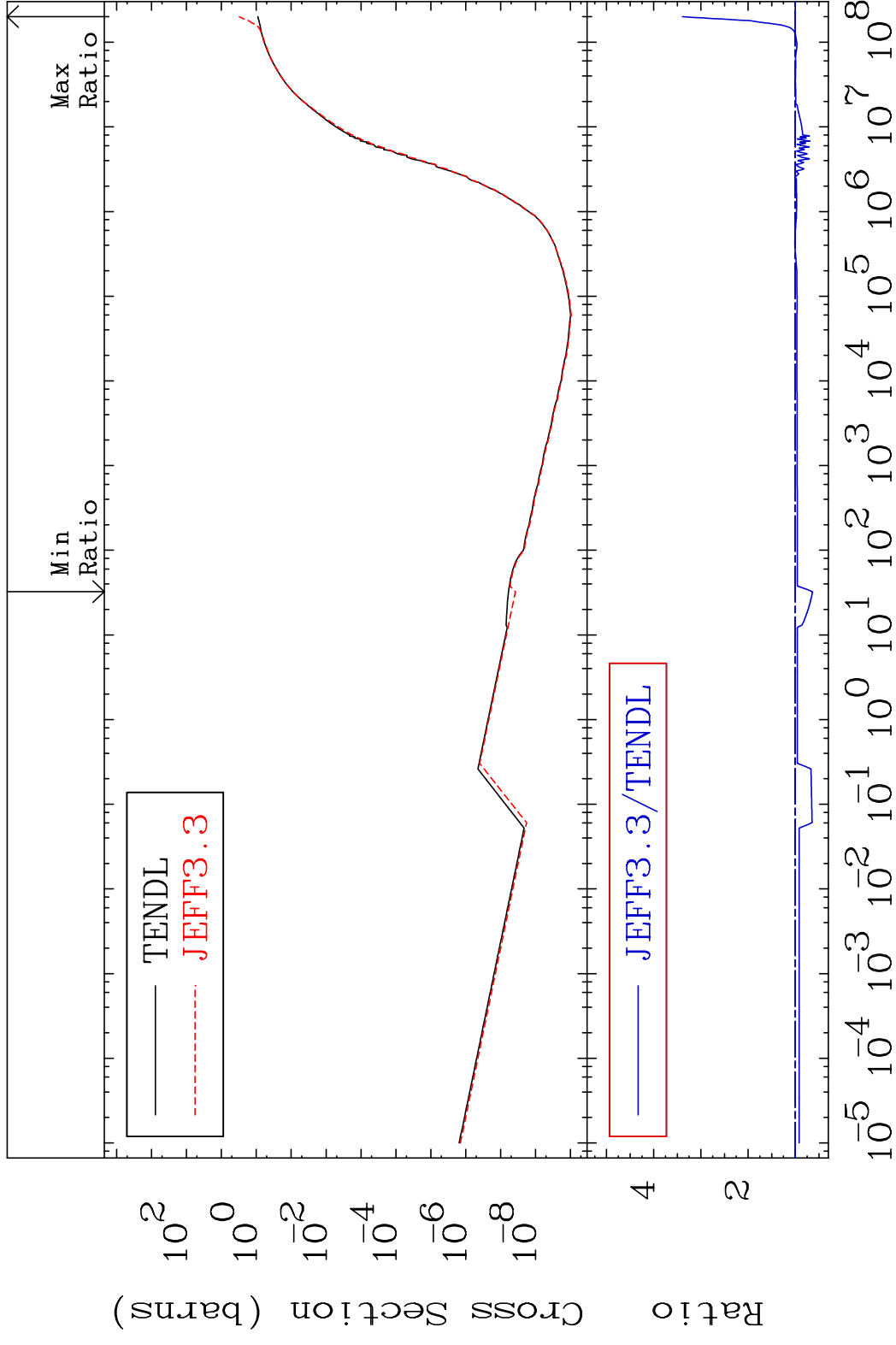
Incident Energy (eV)

77-Ir-190

MAT 7722

Hydrogen Production  
Cross Section -36.59 To 239.3 %

77-Ir-190

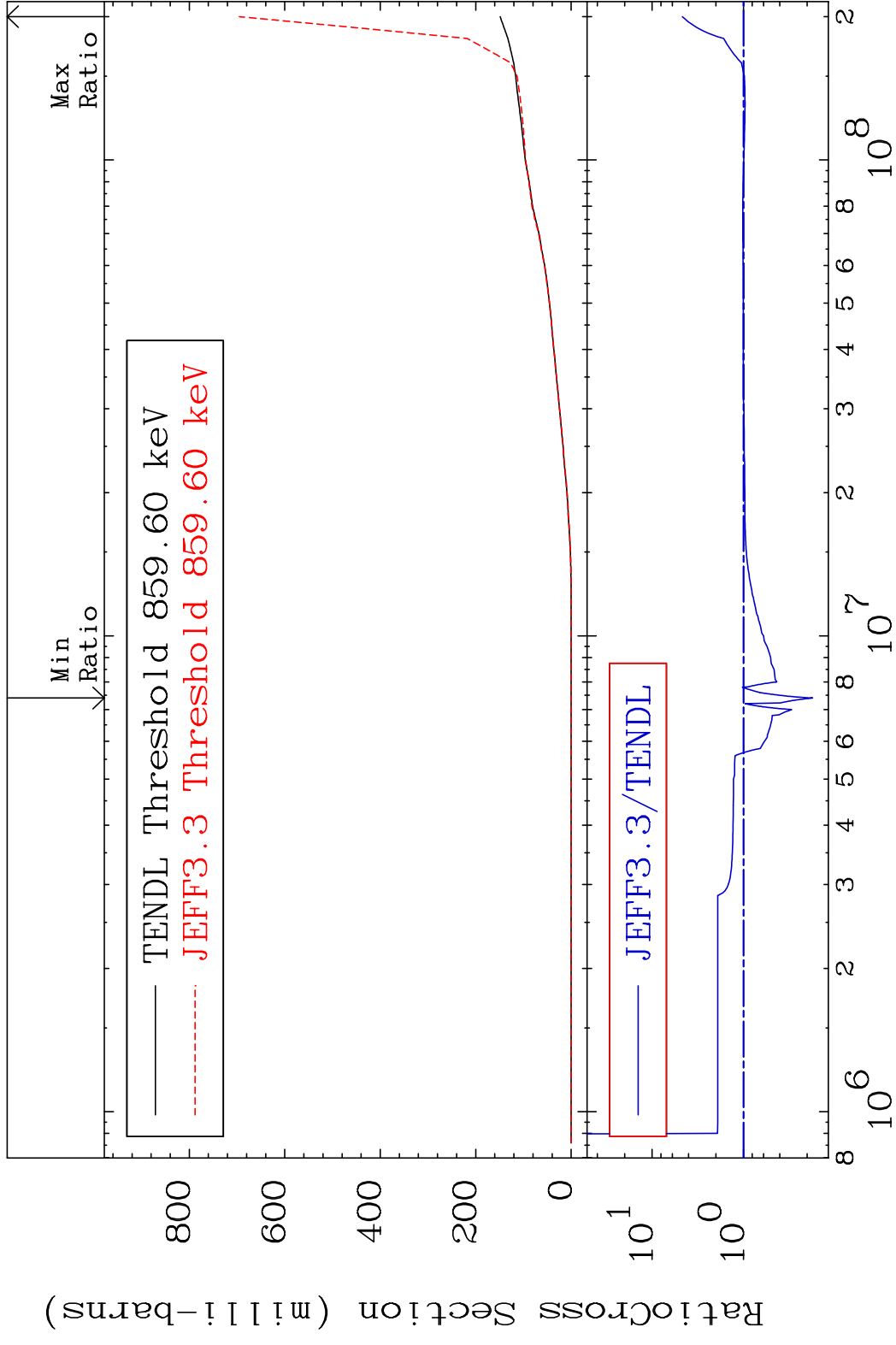


MAT 7722

Deuterium Production

77-Ir-190

Cross Section -82.53 To 366.9 %



62

Incident Energy (eV)

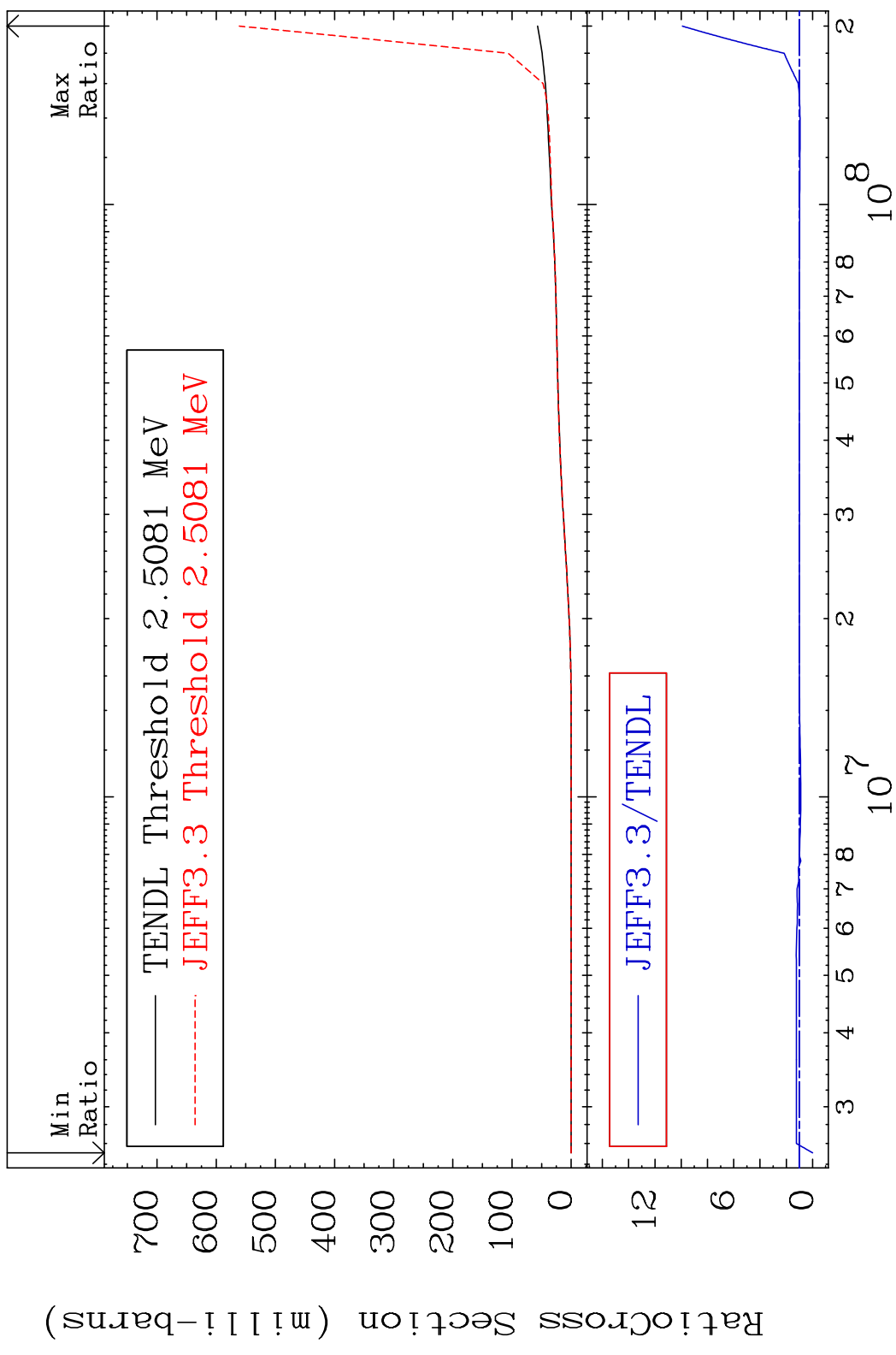
77-Ir-190

MAT 7722

Tritium Production

77-Ir-190

Cross Section -100.0 To 891.2 %



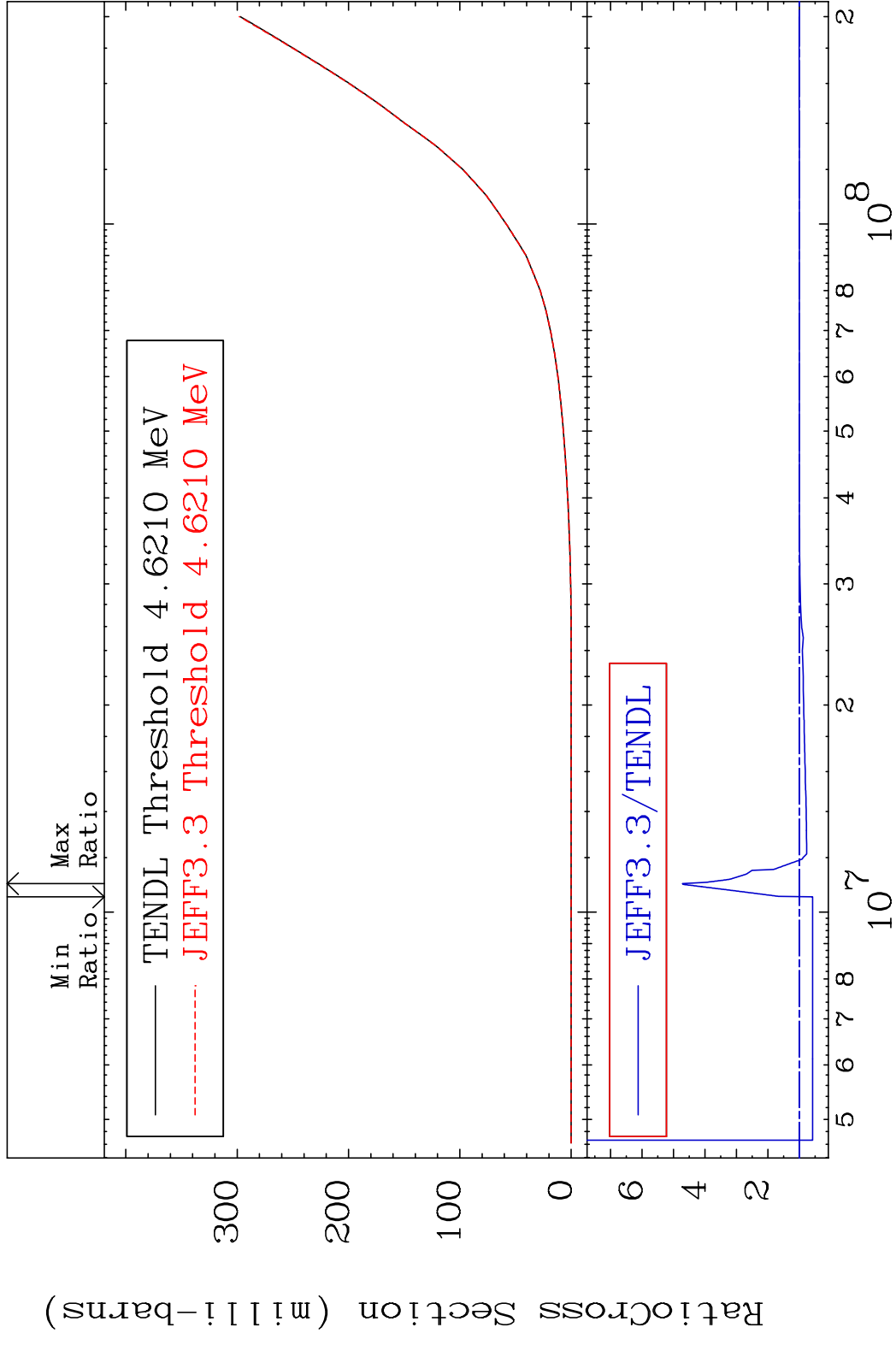


MAT 7722

He-3 Production

77-Ir-190

Cross Section -42.08 To 371.6 %



64

Incident Energy (eV)

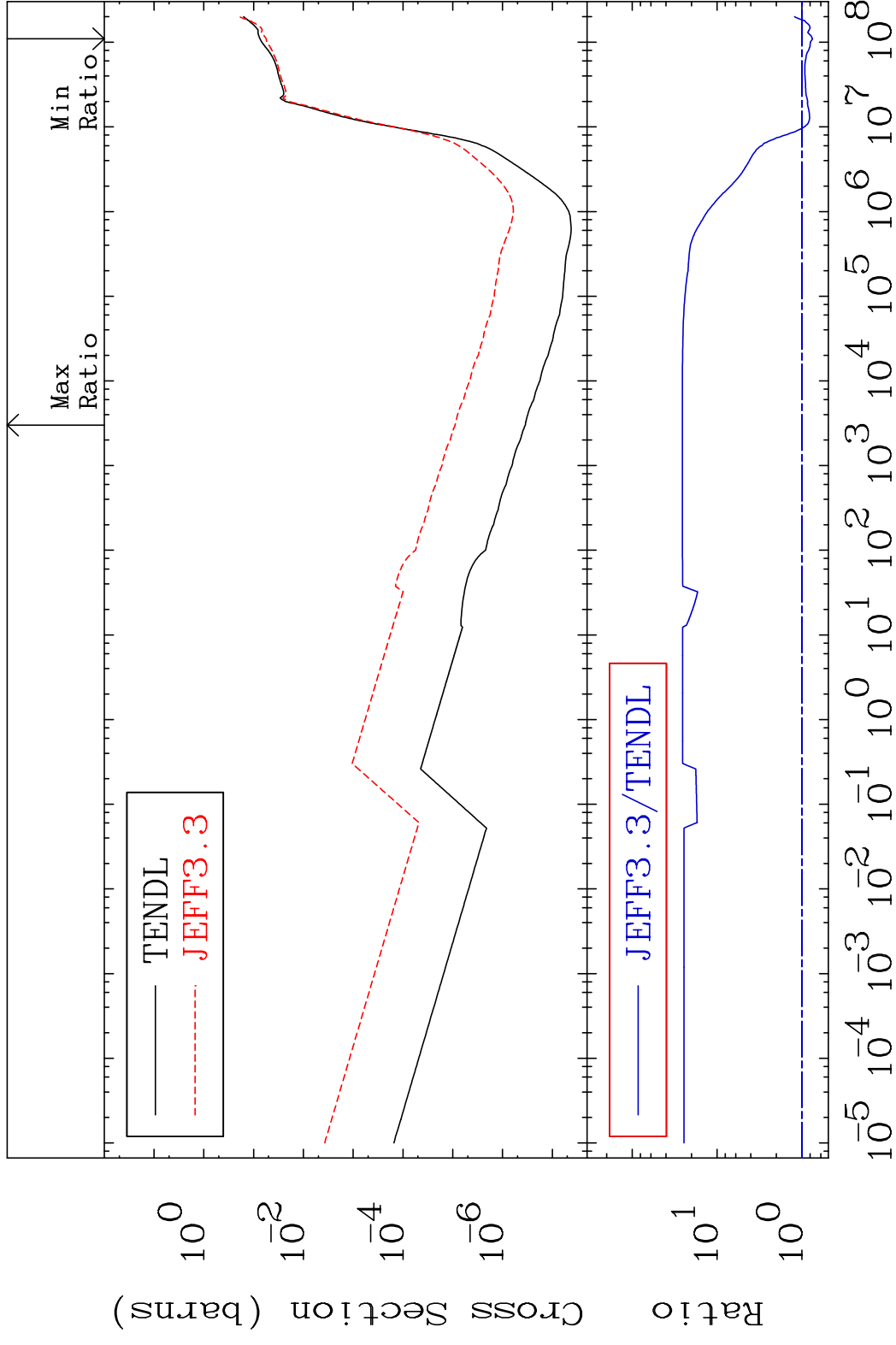
77-Ir-190

MAT 7722

He-4 Production

77-Ir-190

Cross Section -25.12 To 2463. %

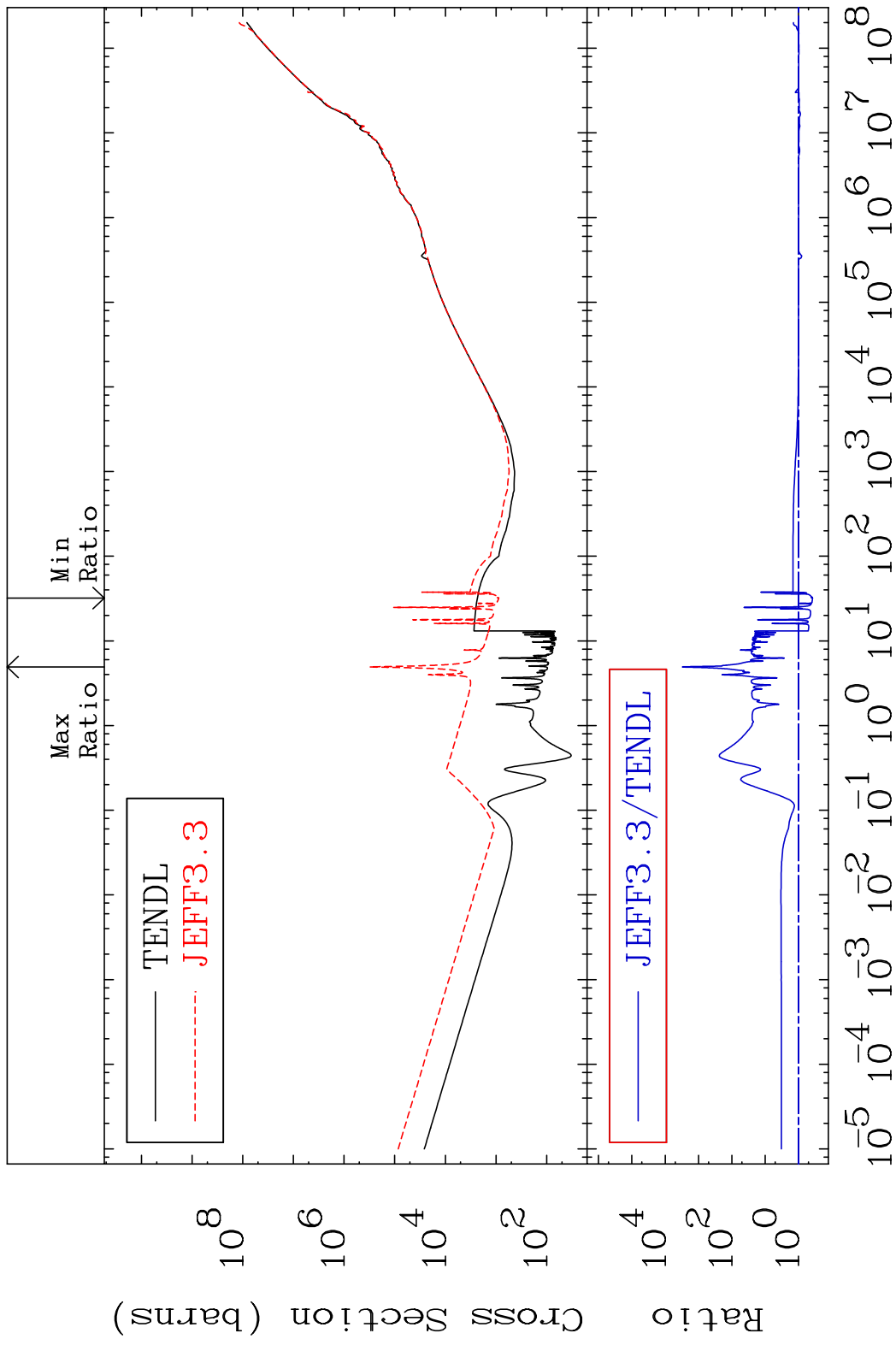


65

Incident Energy (eV)

77-Ir-190

MAT 7722 Kerma total (eV-barns) 77-Ir-190  
 Cross Section -62.11 To 9999. %

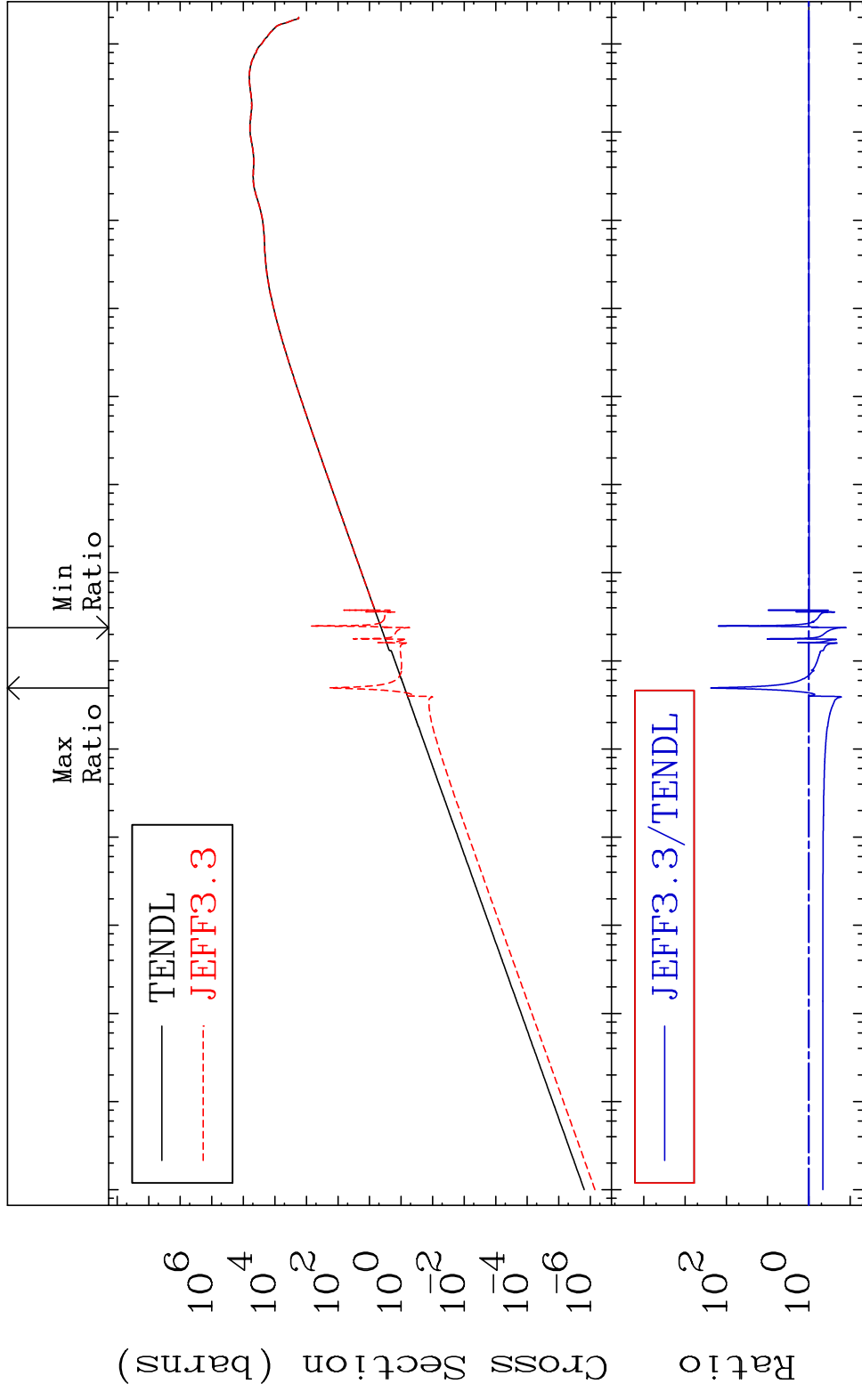


66 Incident Energy (eV) 77-Ir-190

MAT 7722

Kerma elastic Cross Section -87.60 To 9999. %

77-Ir-190

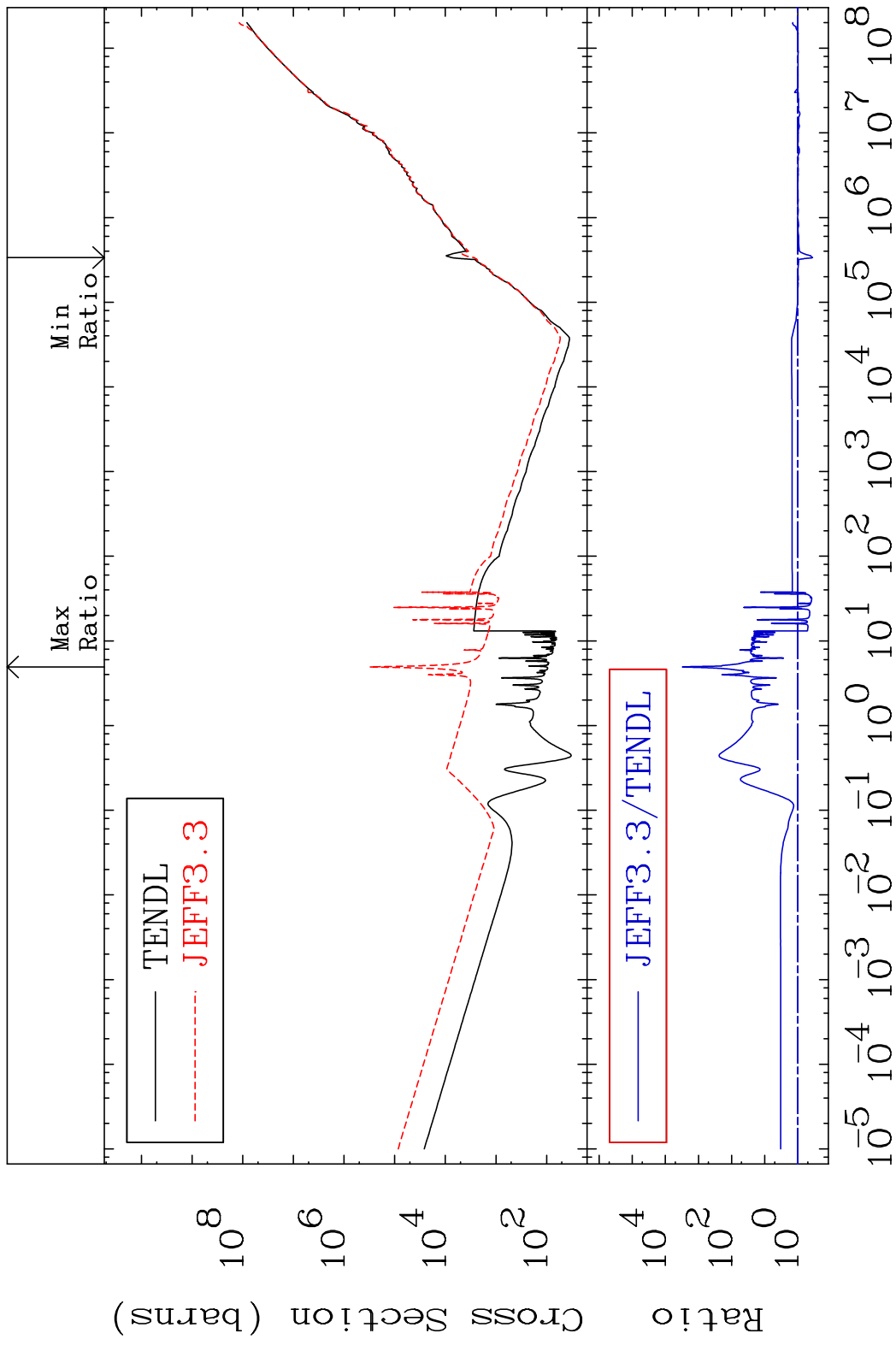


67

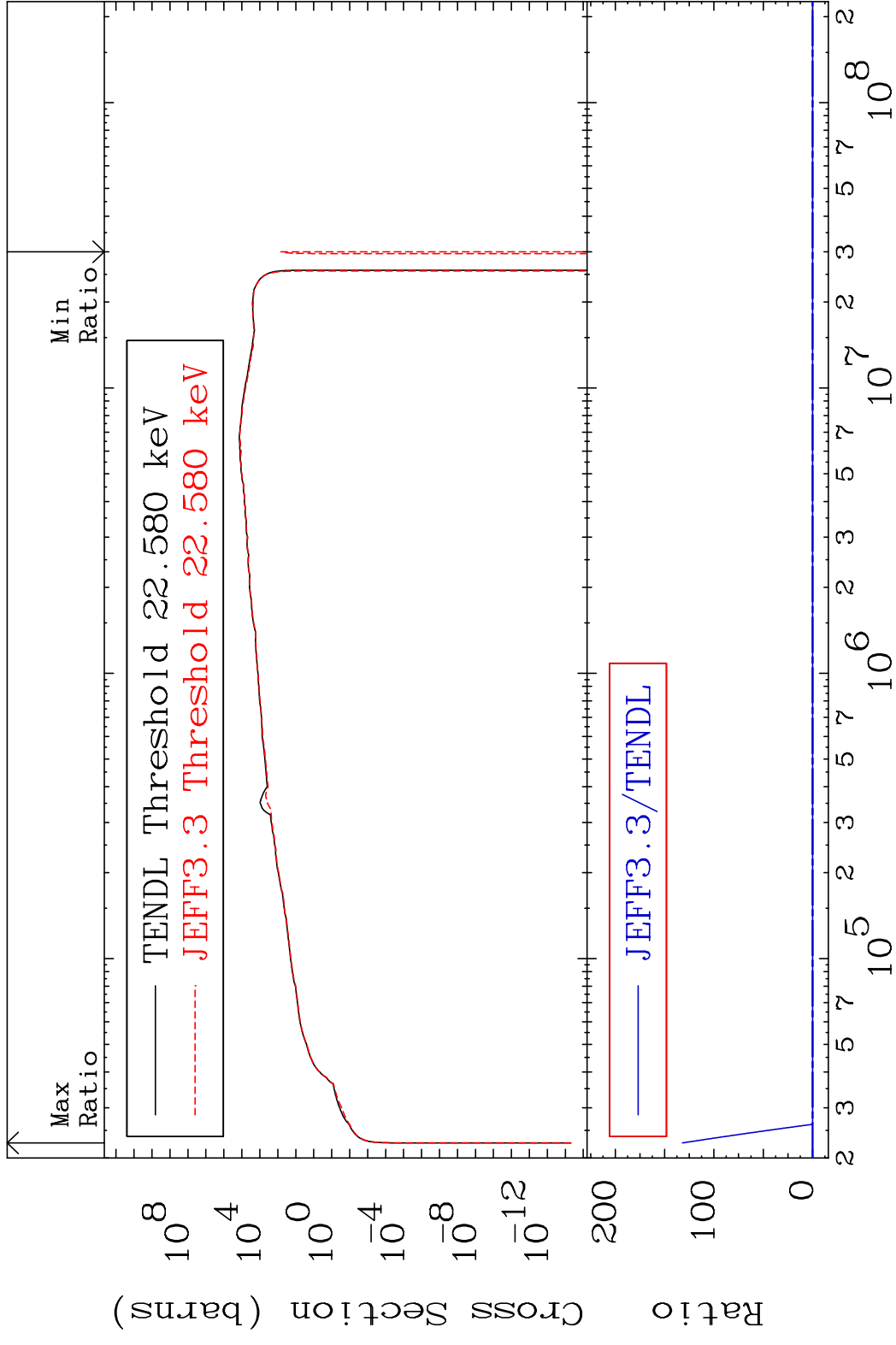
Incident Energy (eV)

77-Ir-190

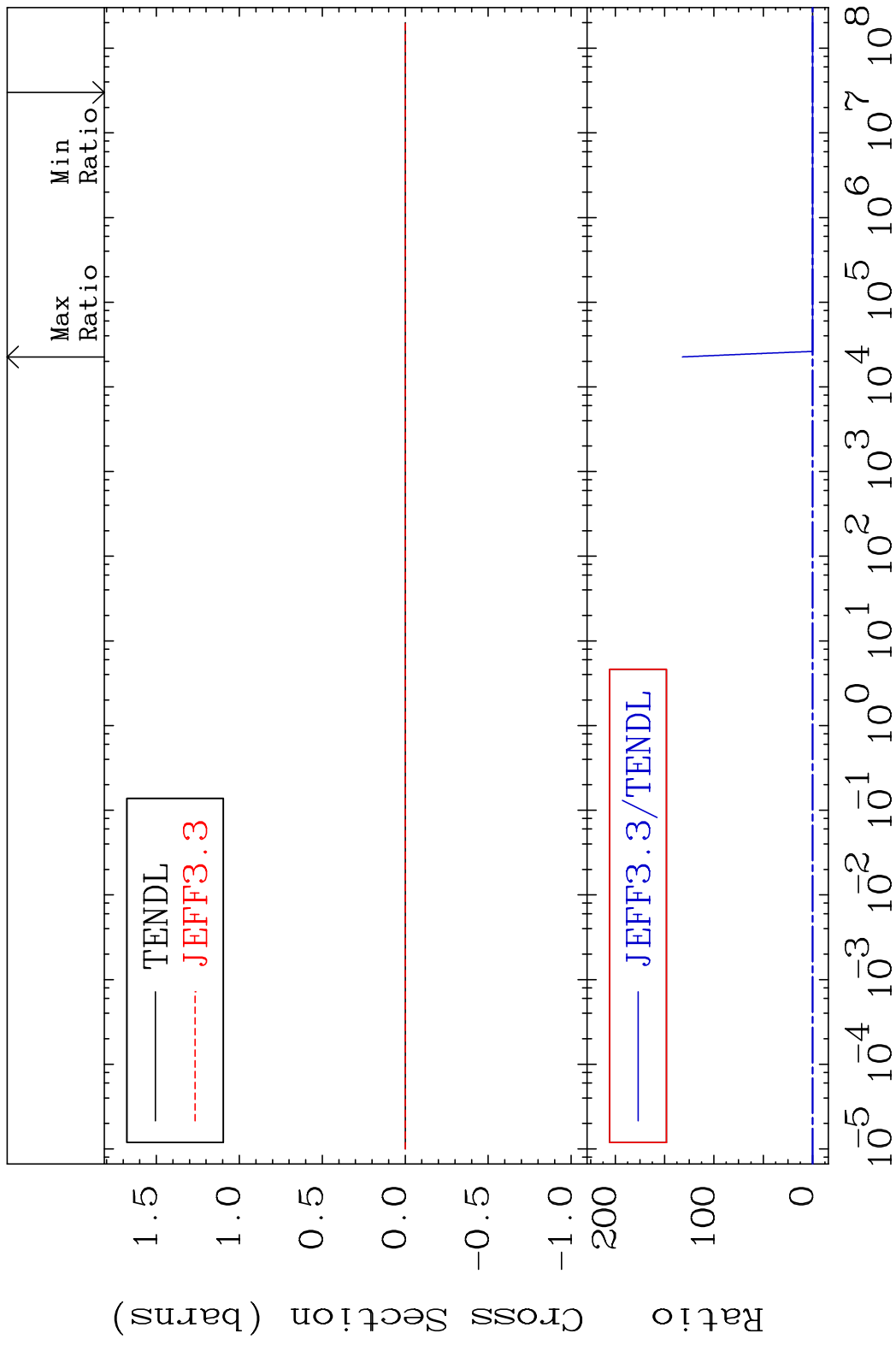
MAT 7722 Kerma non-elastic (all but mt2) 77-Ir-190  
 Cross Section -64.22 To 9999. %



MAT 7722 Kerma inelastic (mt51-91) 77-Ir-190  
 Cross Section -118.2 To 9999. %

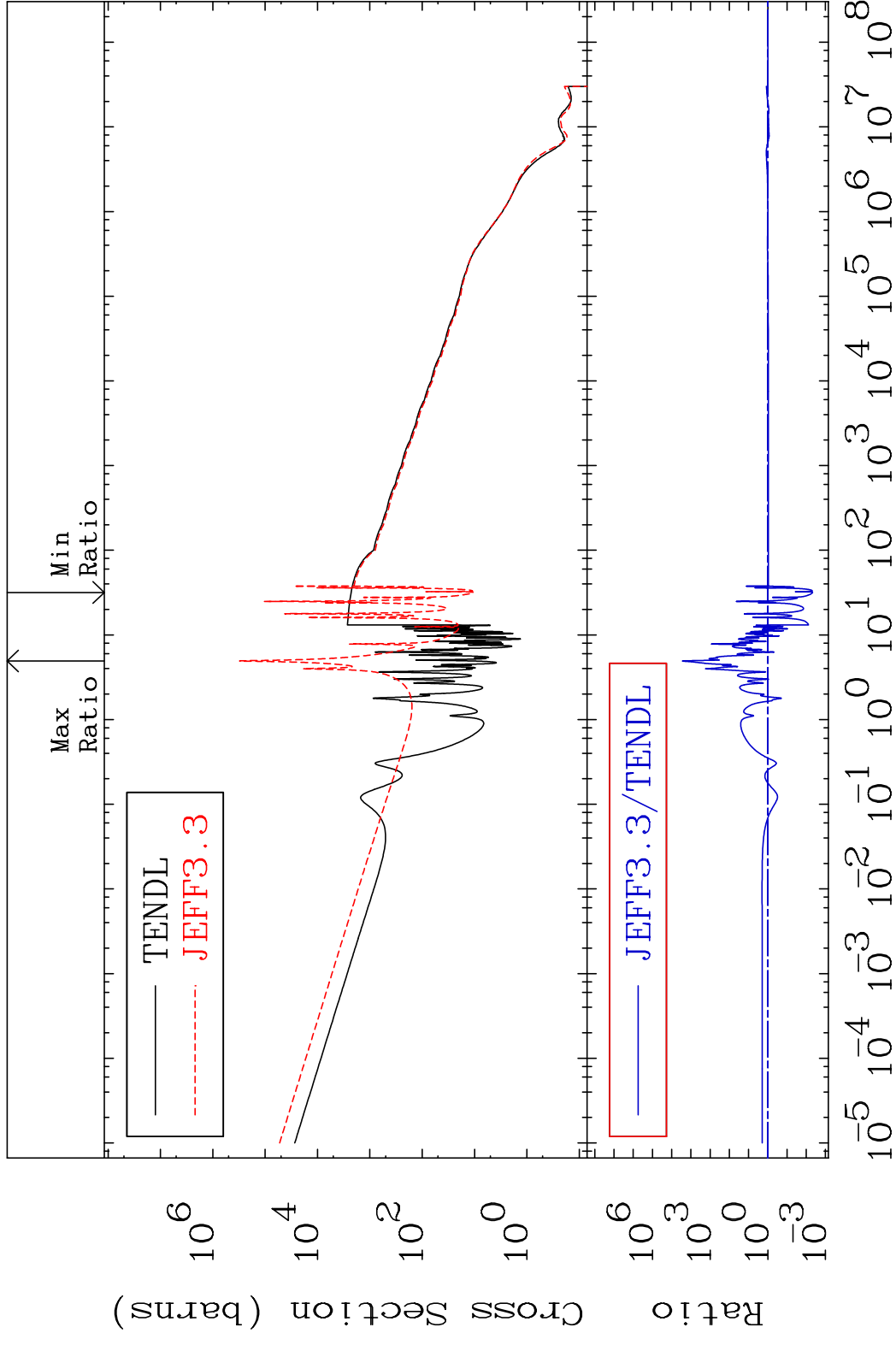


MAT 7722 Kerma fission (mt18 or mt19-20-21-38)77-Ir-190  
 Cross Section -118.2 To 9999. %



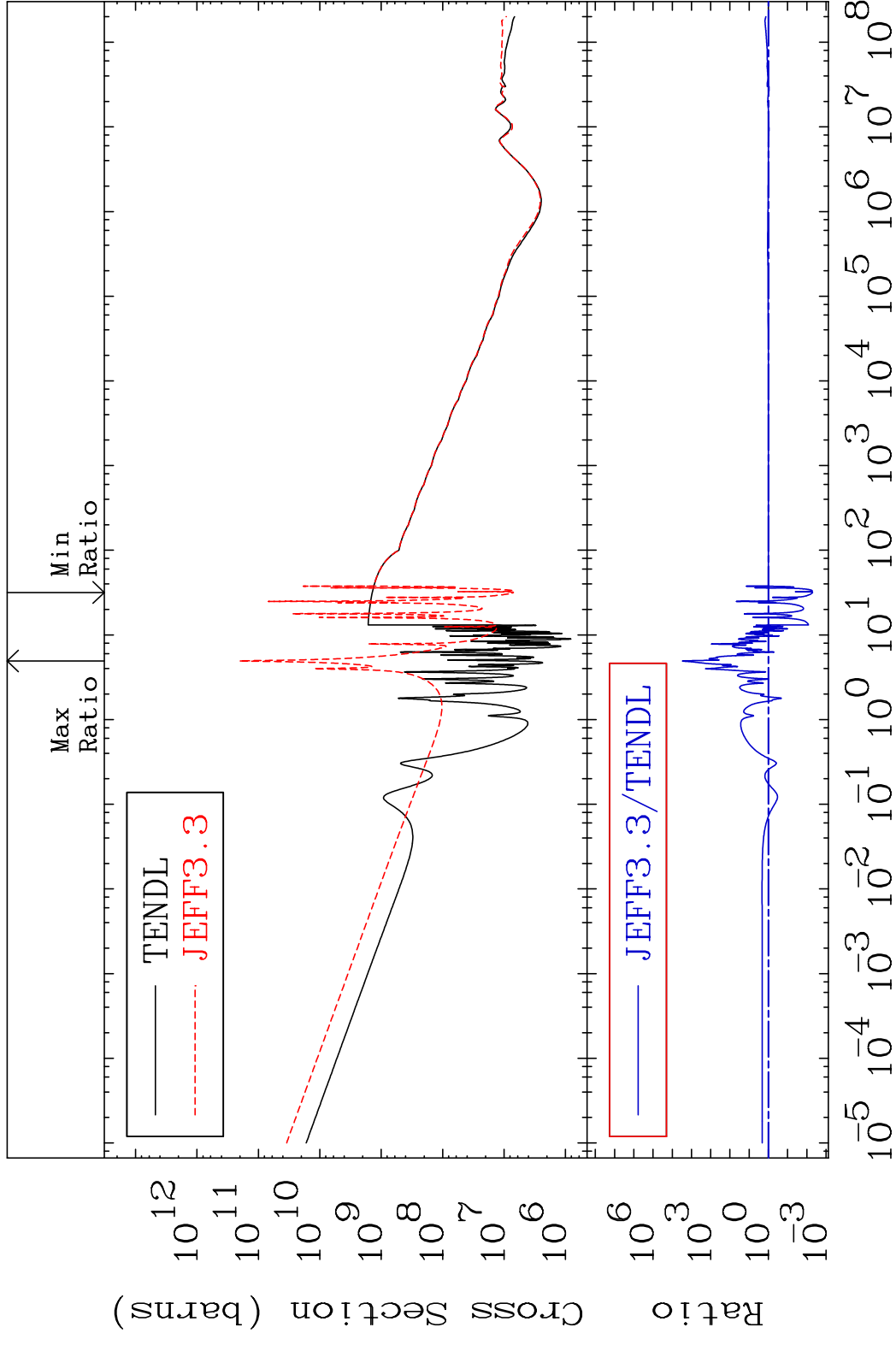
MAT 7722

Kerma capture (mt102) 77-Ir-190  
Cross Section -99.53 To 9999. %



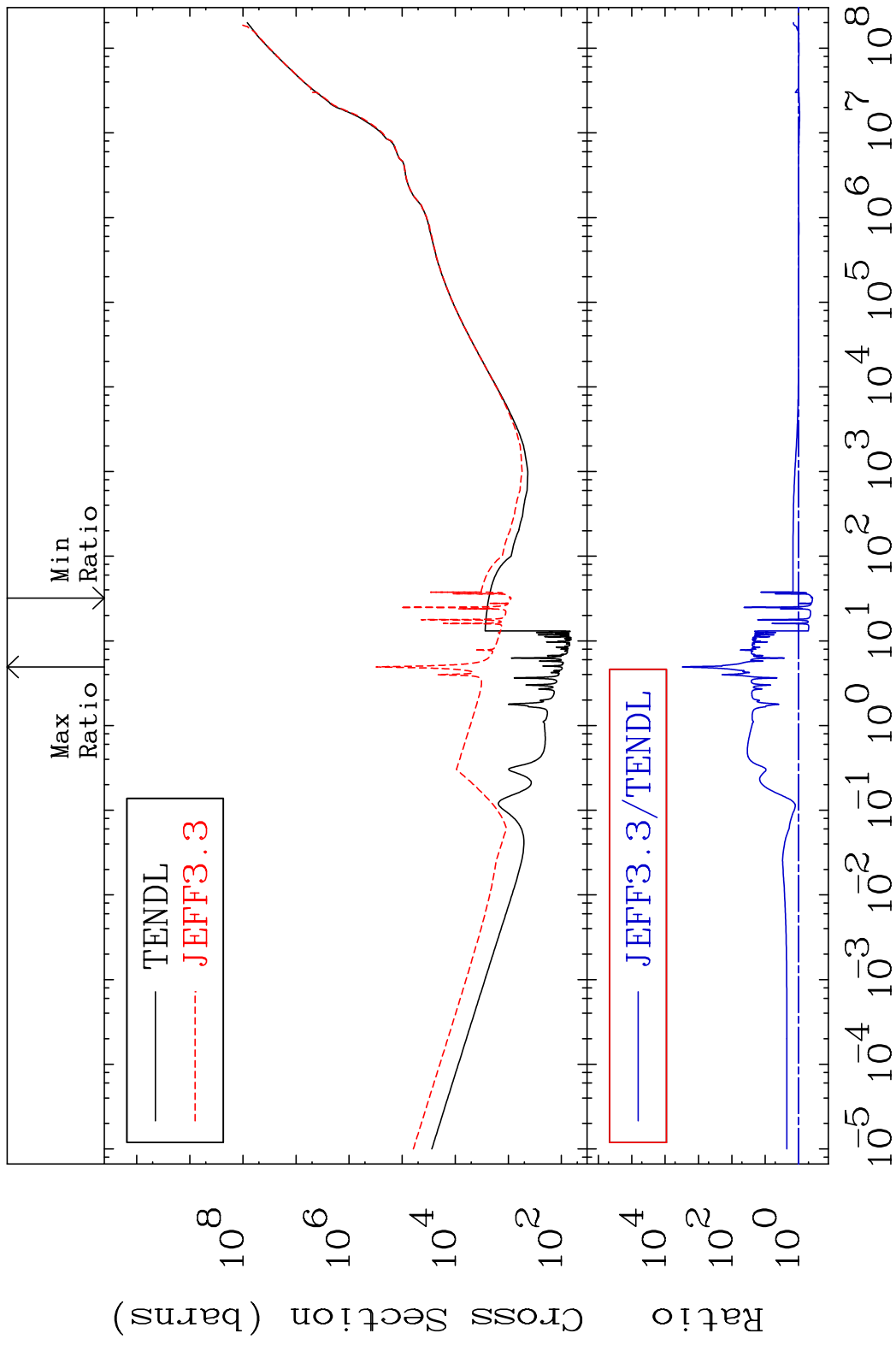


MAT 7722 Total photon (eV-barns) 77-Ir-190  
 Cross Section -99.50 To 9999. %



72 Incident Energy (eV) 77-Ir-190

MAT 7722 Total kinematic kerma (high limit) 77-Ir-190  
 Cross Section -61.92 To 9999. %

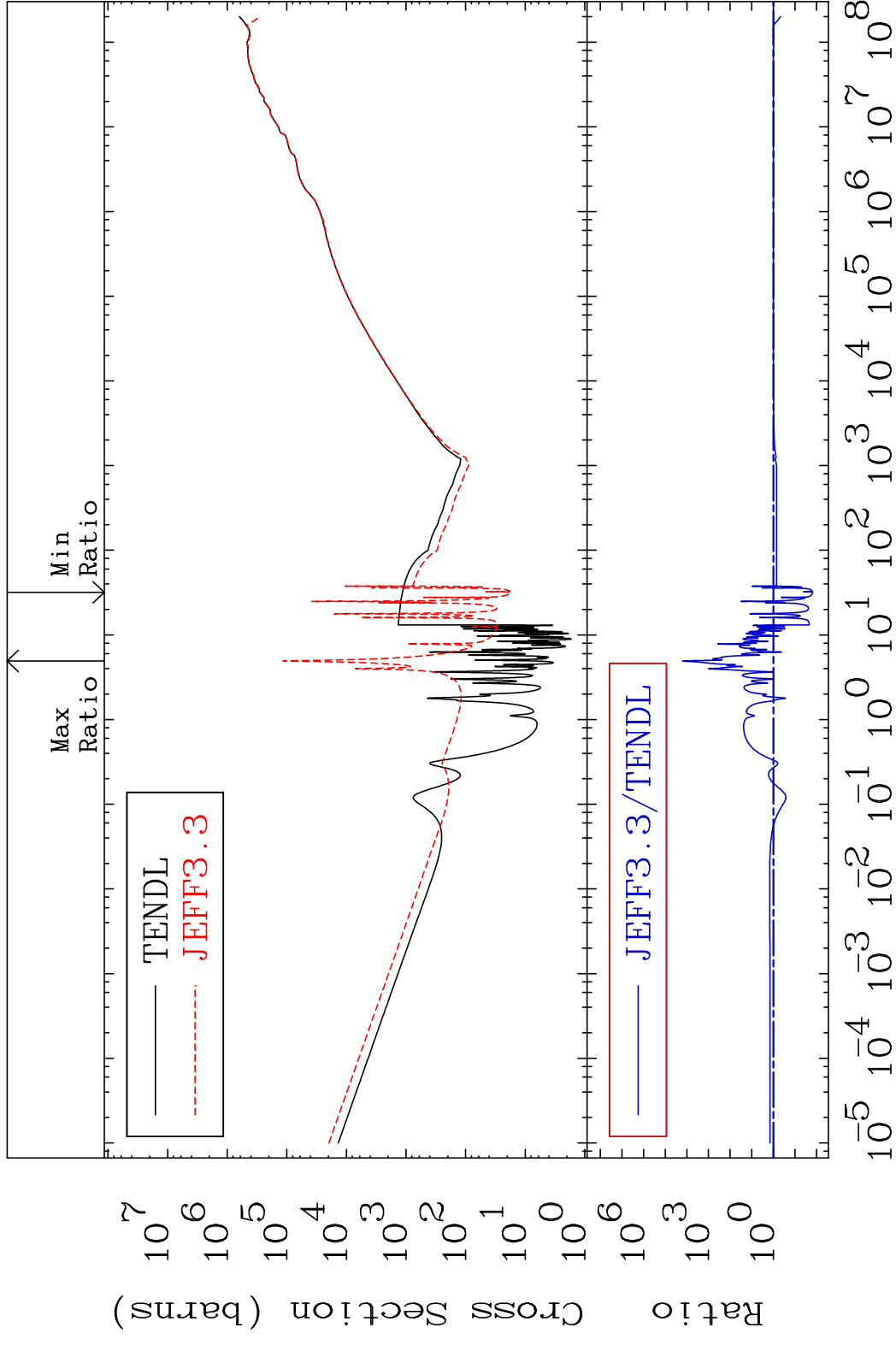


MAT 7722

Dpa total (eV-barns)

77-Ir-190

Cross Section -98.47 To 9999. %

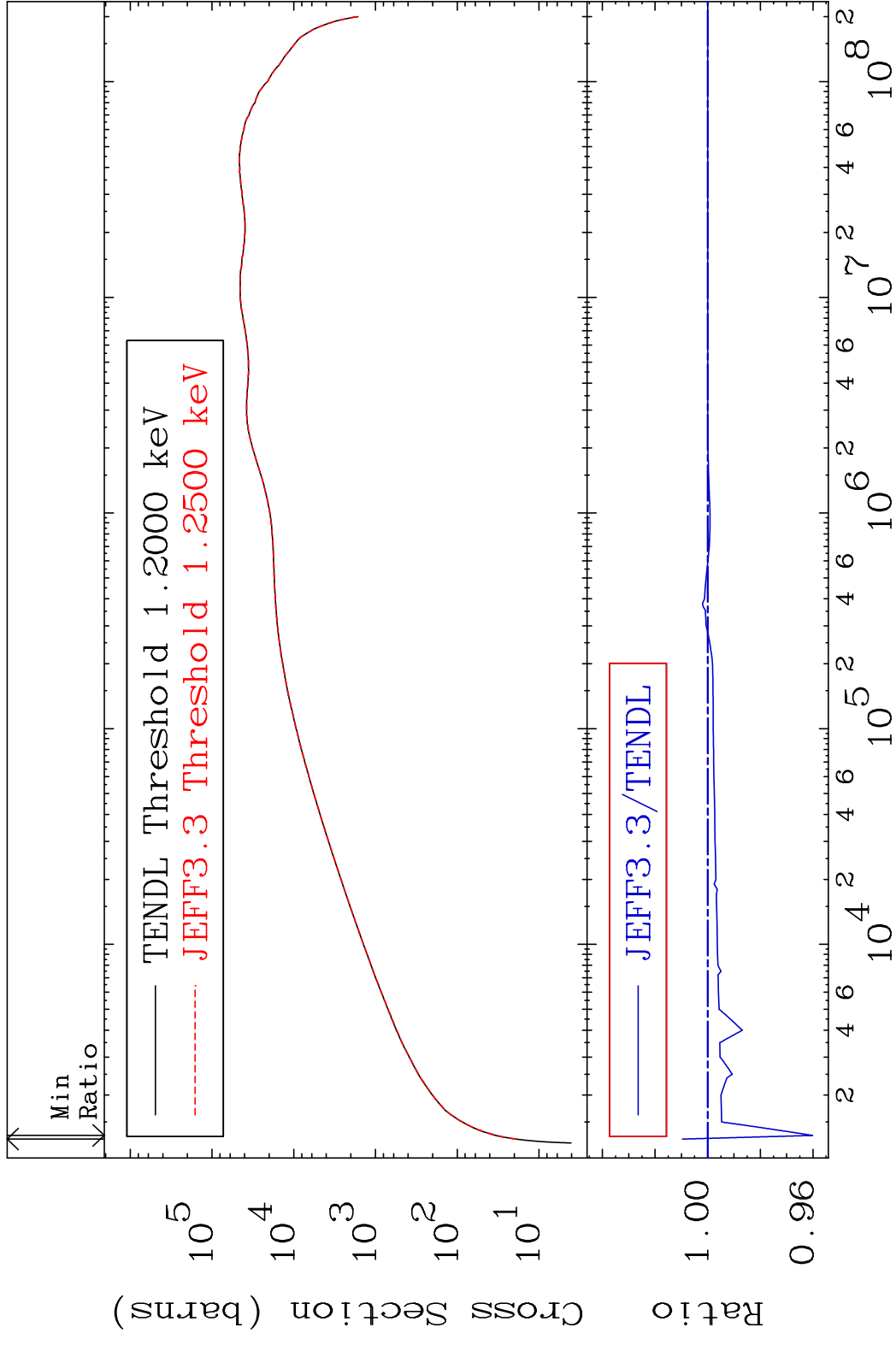


MAT 7722

Dpa elastic (mt2)

77-Ir-190

Cross Section -3.983 To 0.964 %



75

Incident Energy (eV)

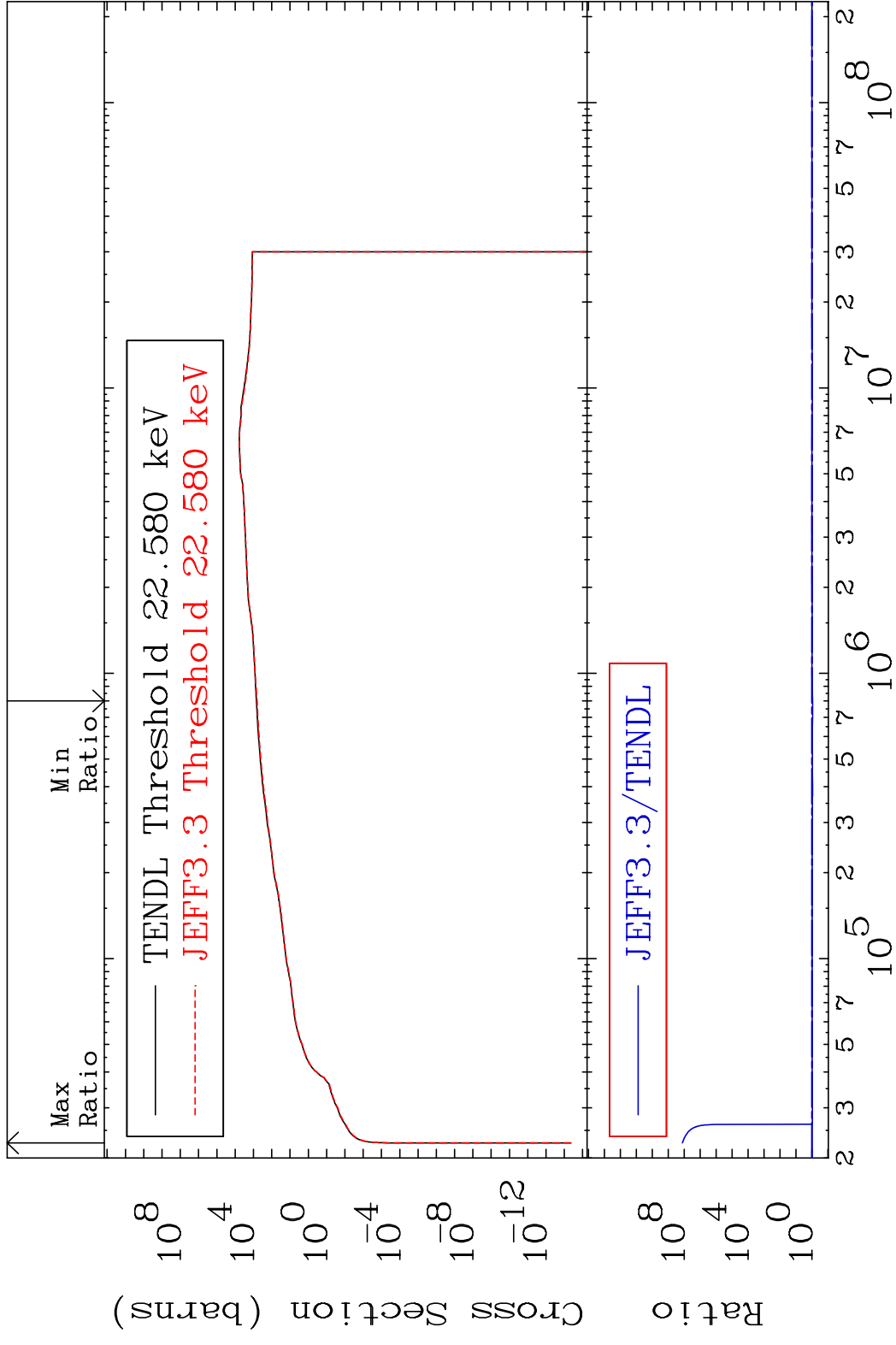
77-Ir-190

MAT 7722

Dpa inelastic (mt51-91)

77-Ir-190

Cross Section -8.240 To 9999. %

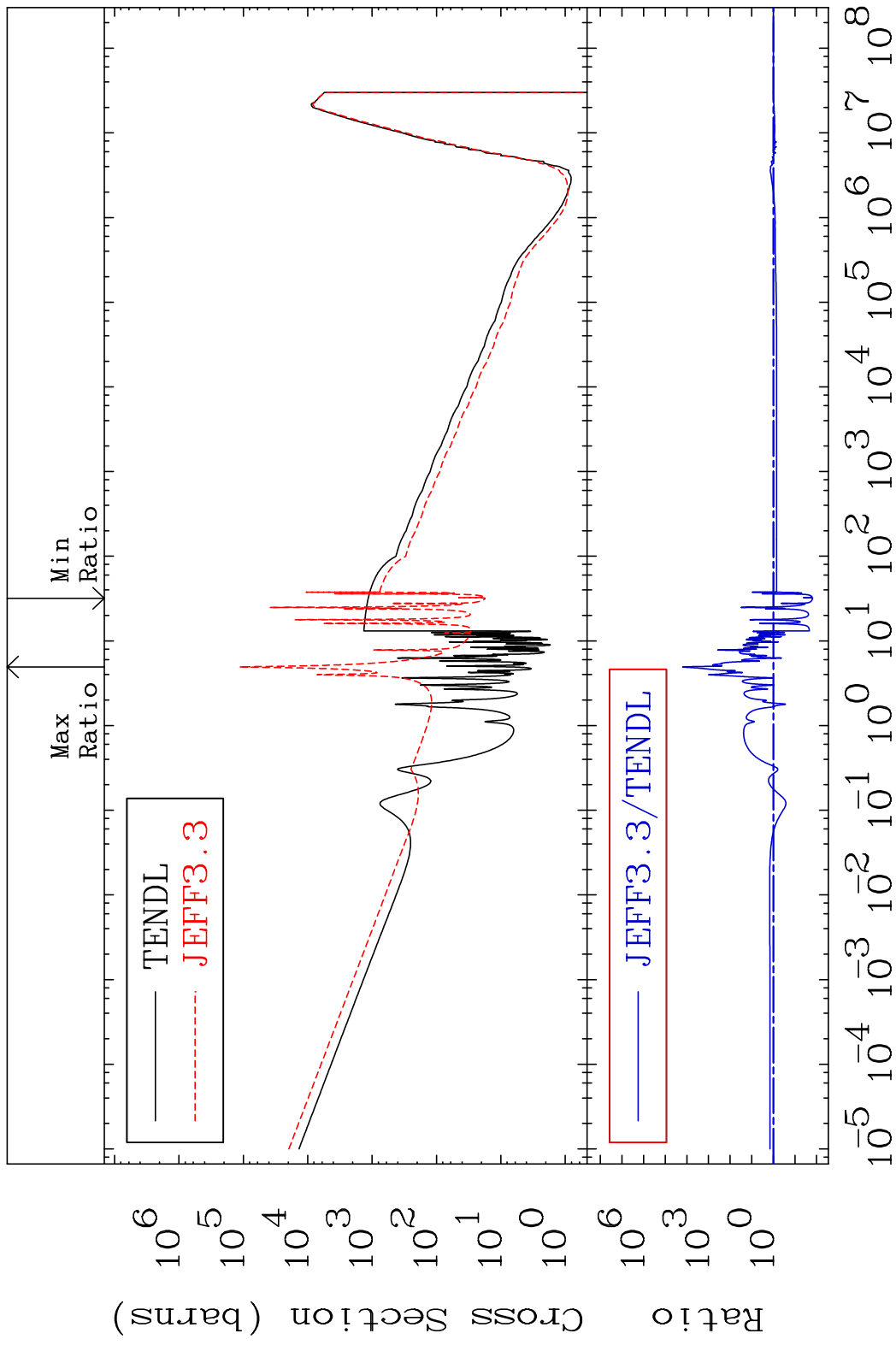


76

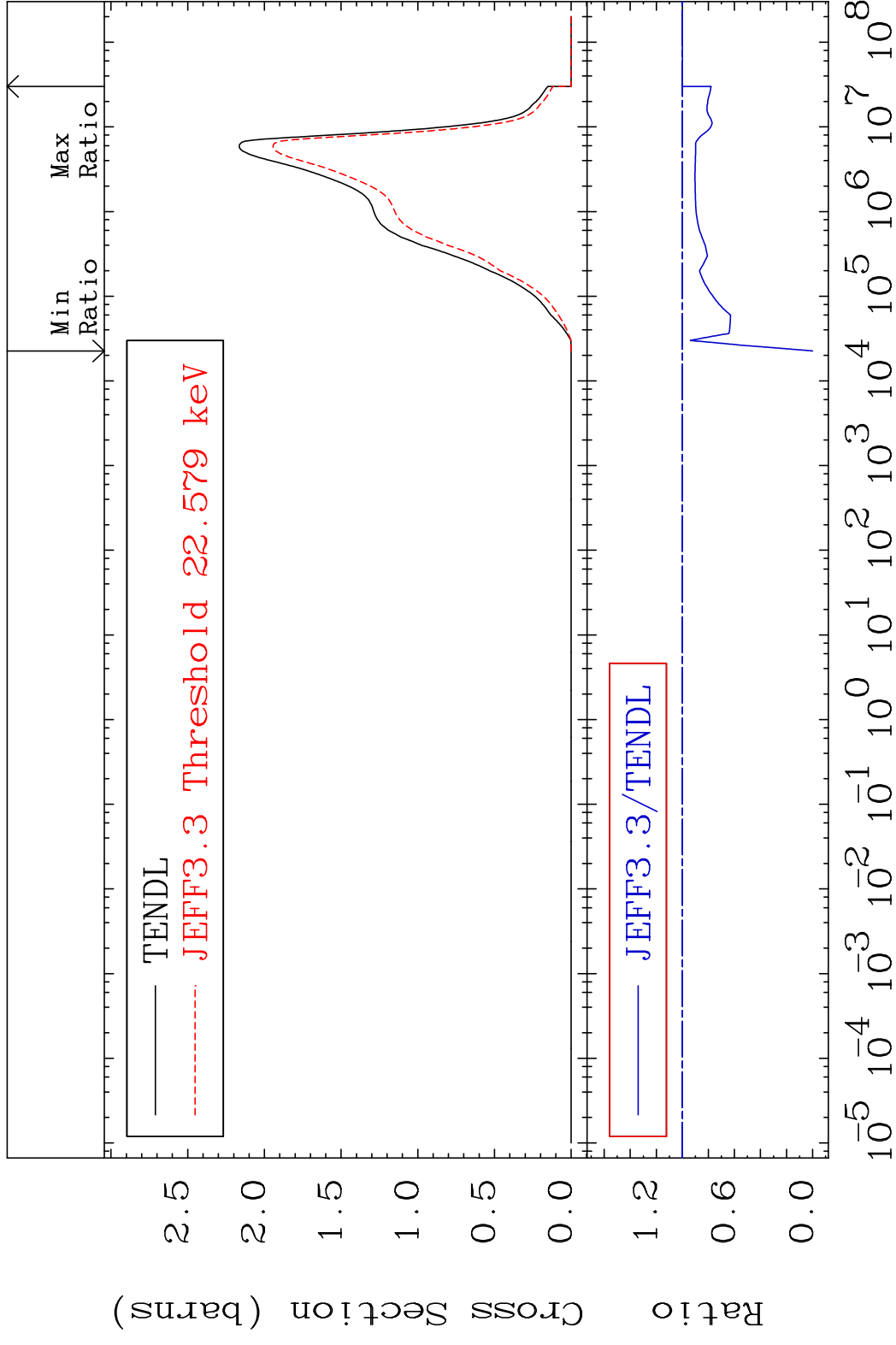
Incident Energy (eV)

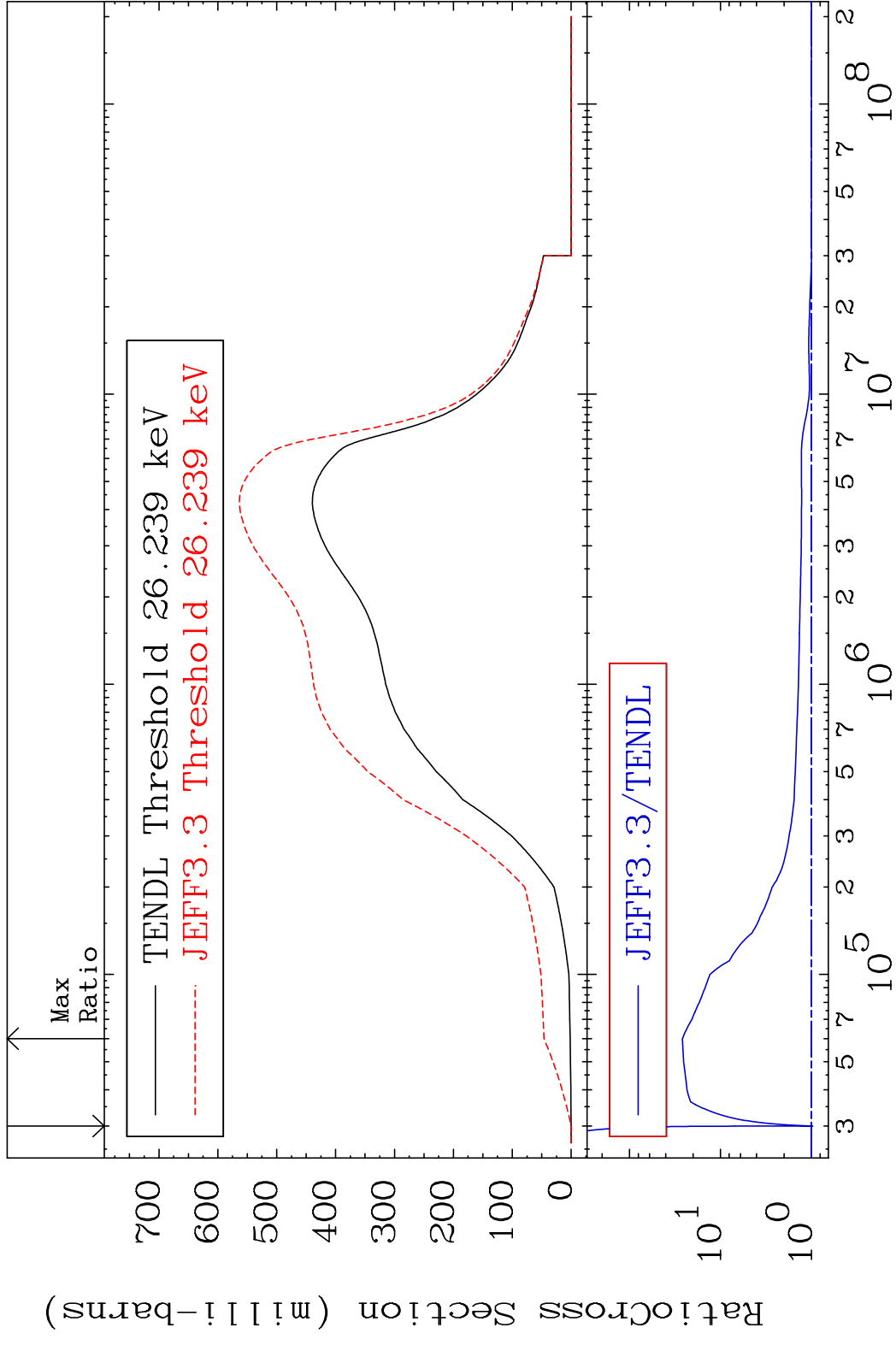
77-Ir-190

MAT 7722 Dpa disappearance (mt102 -120) 77-Ir-190  
 Cross Section -98.47 To 9999. %

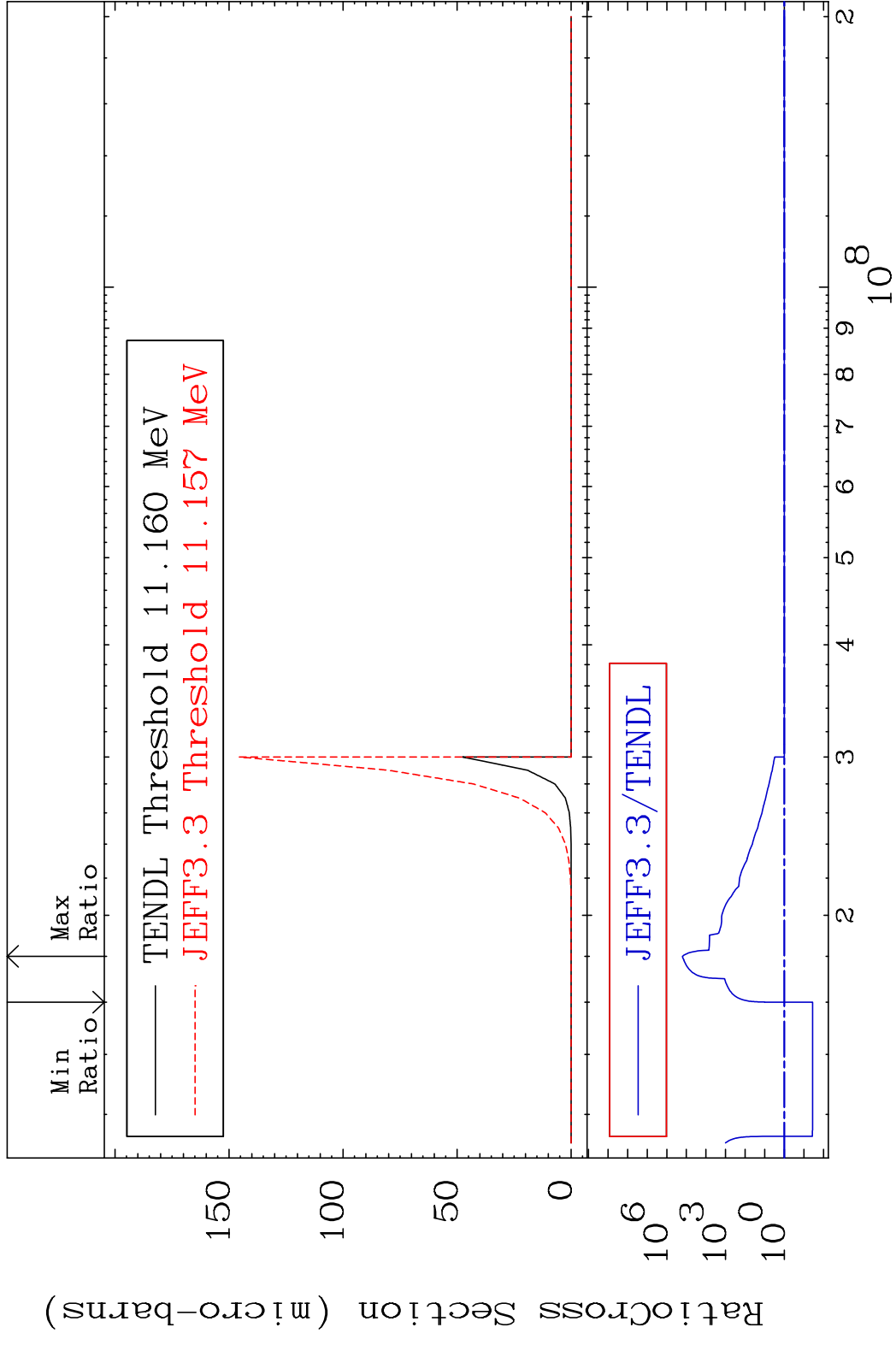


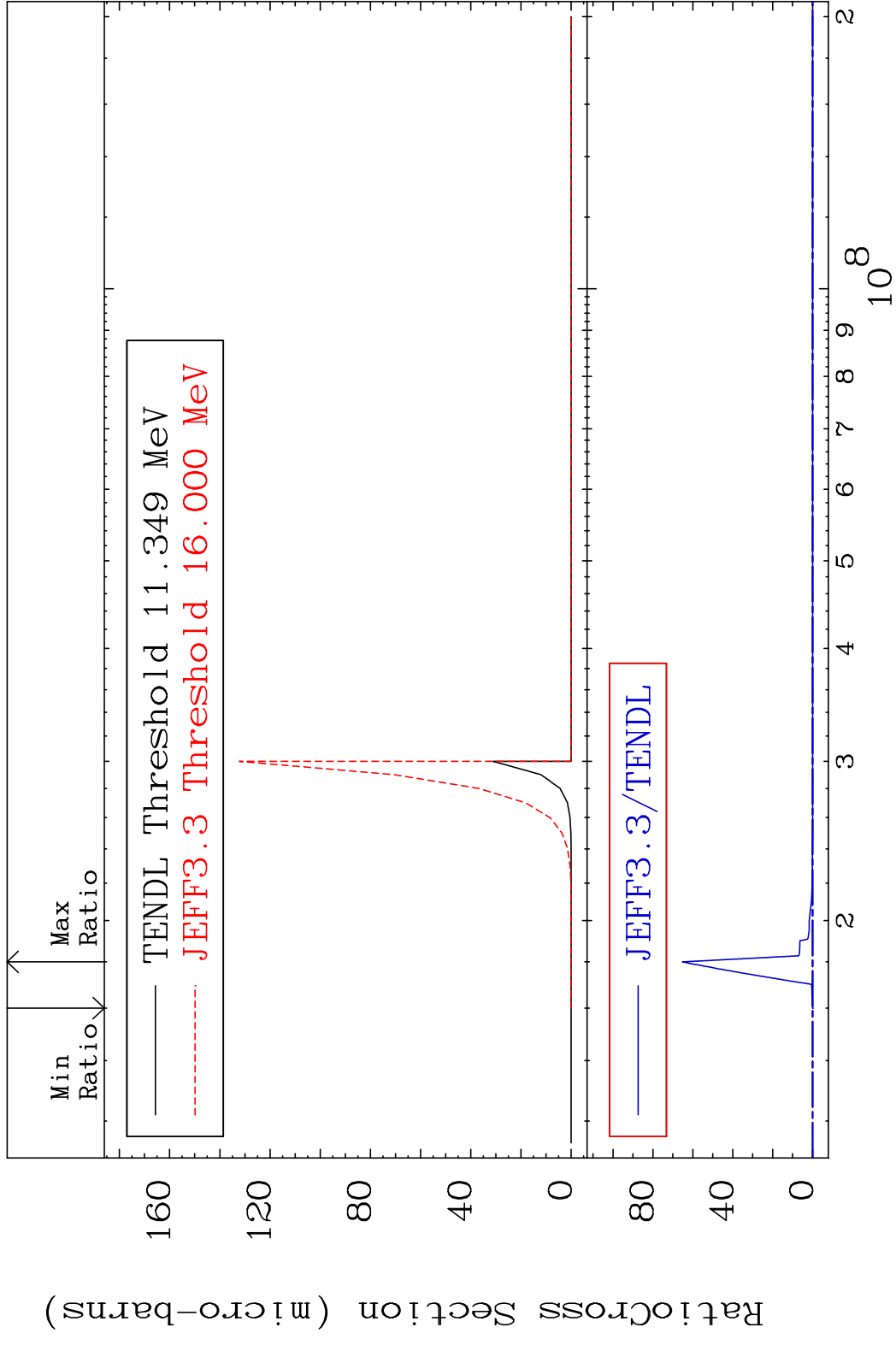
77 Ir-190

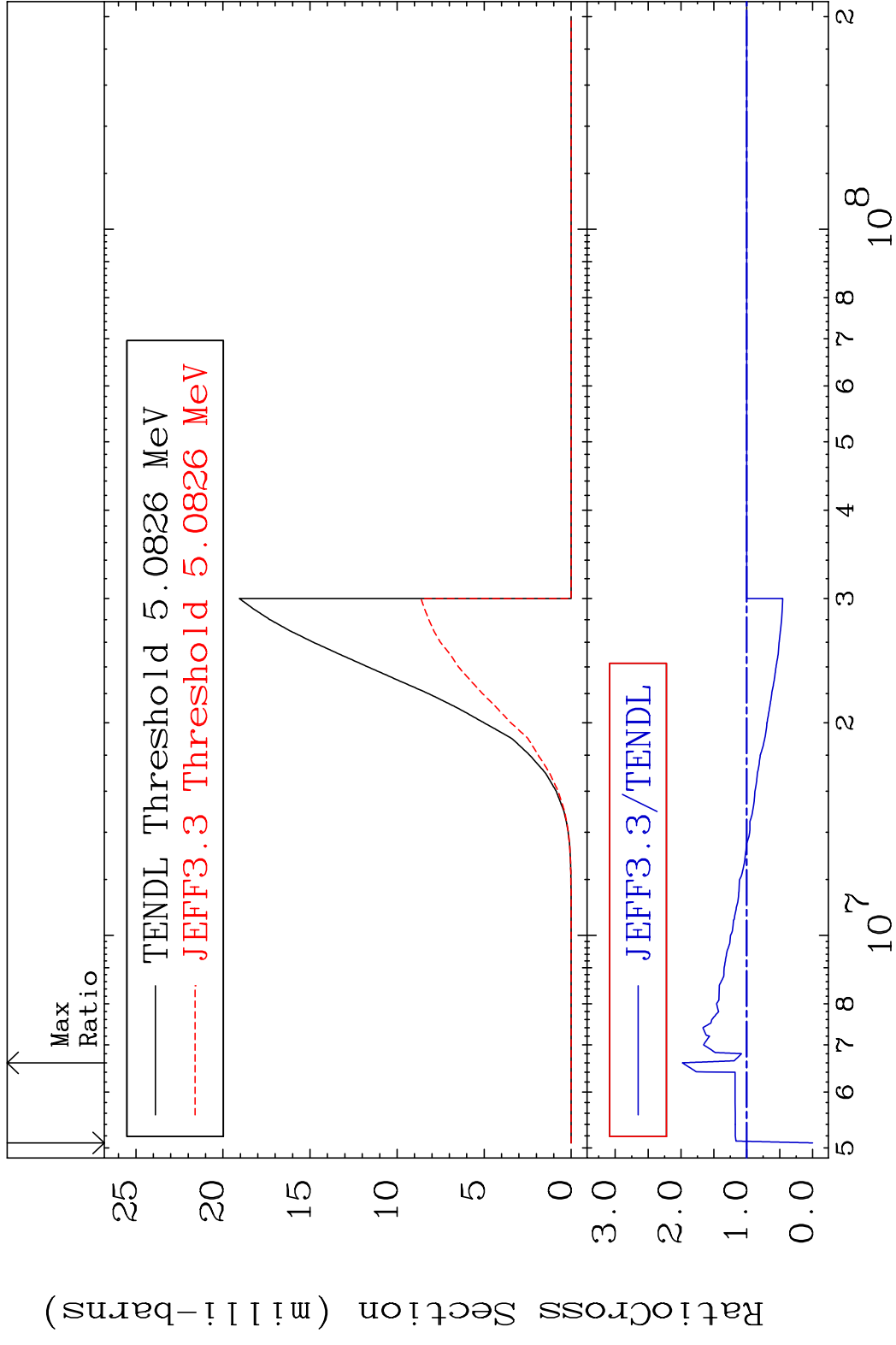


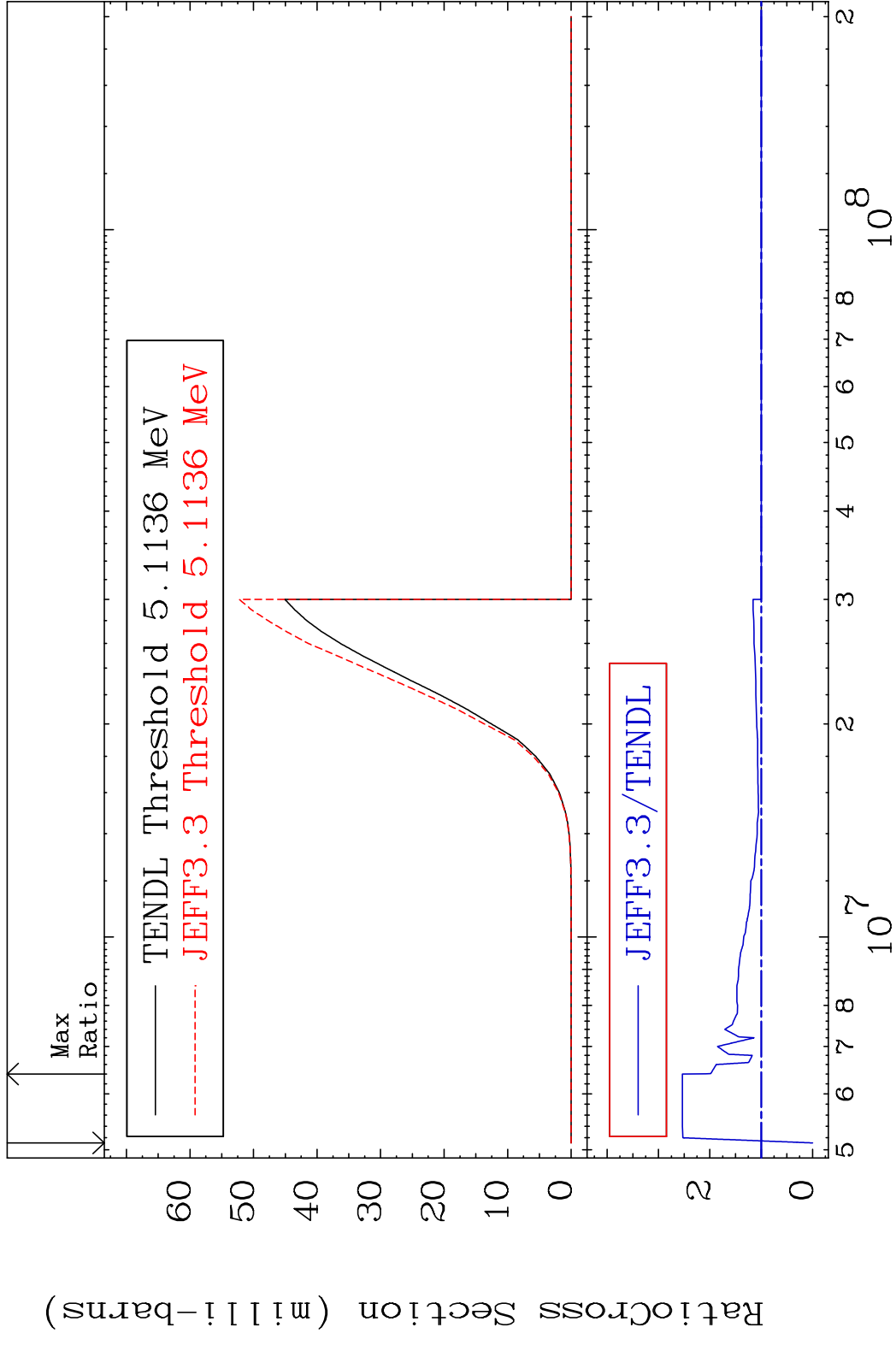


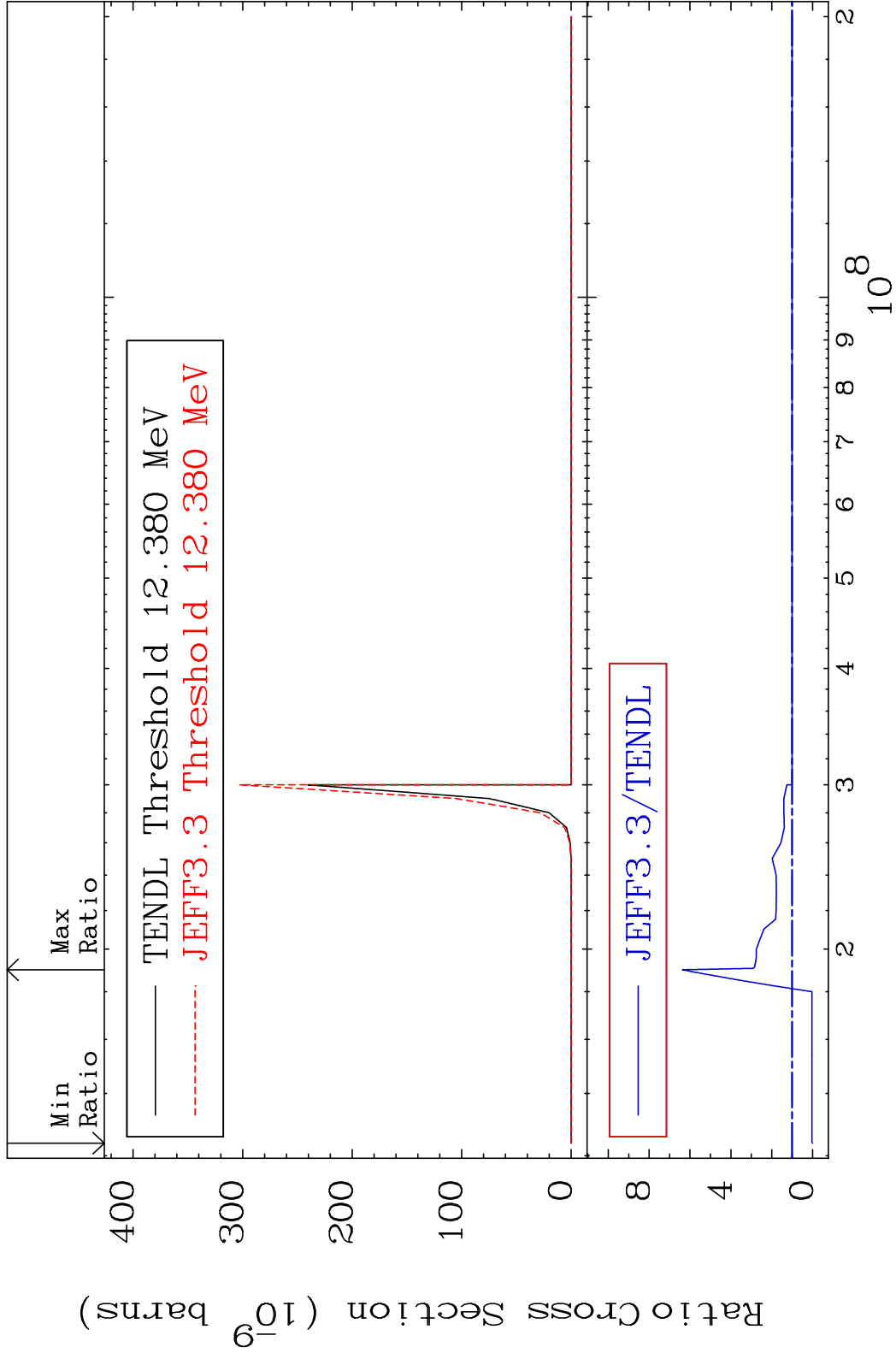


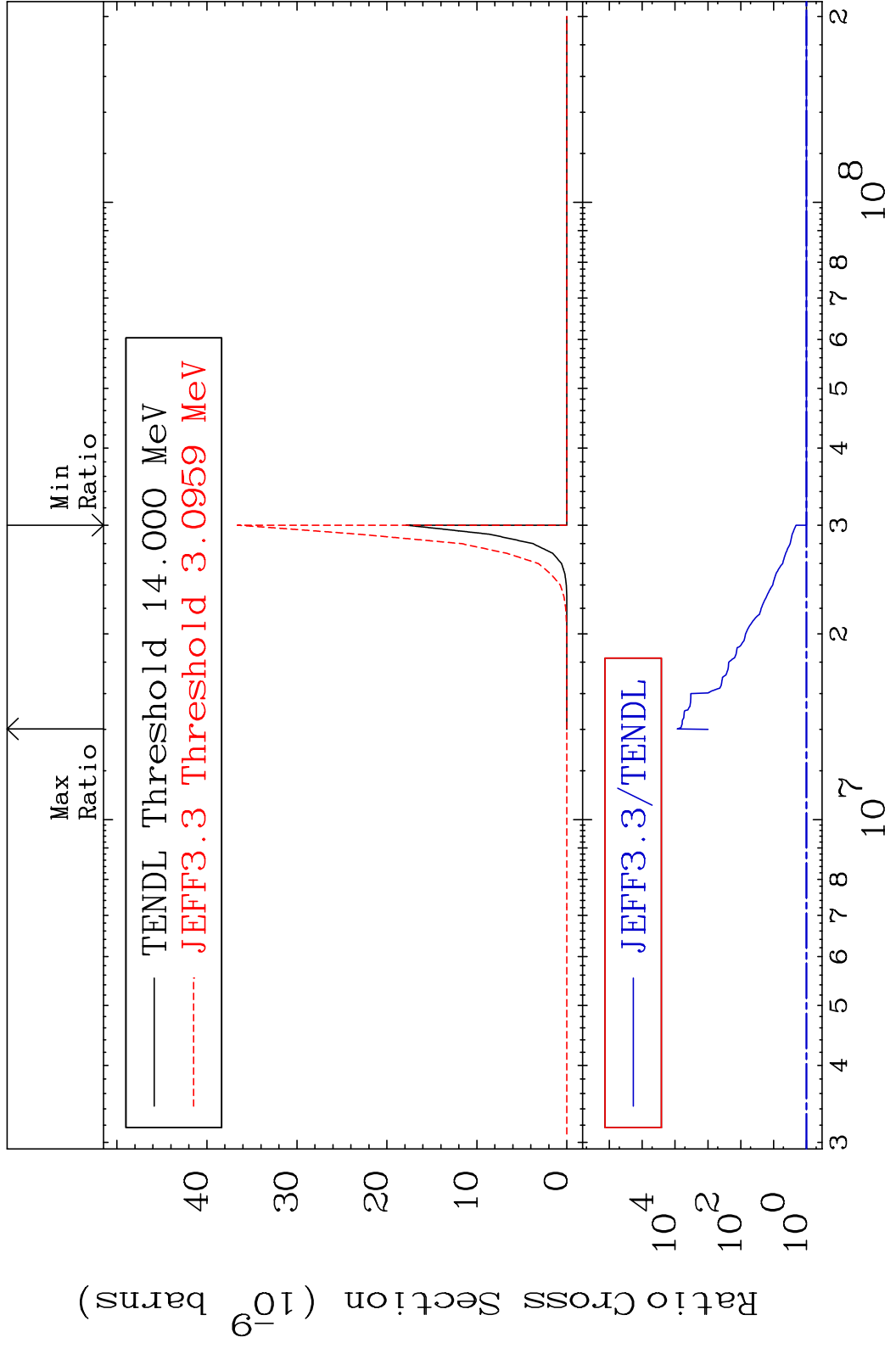


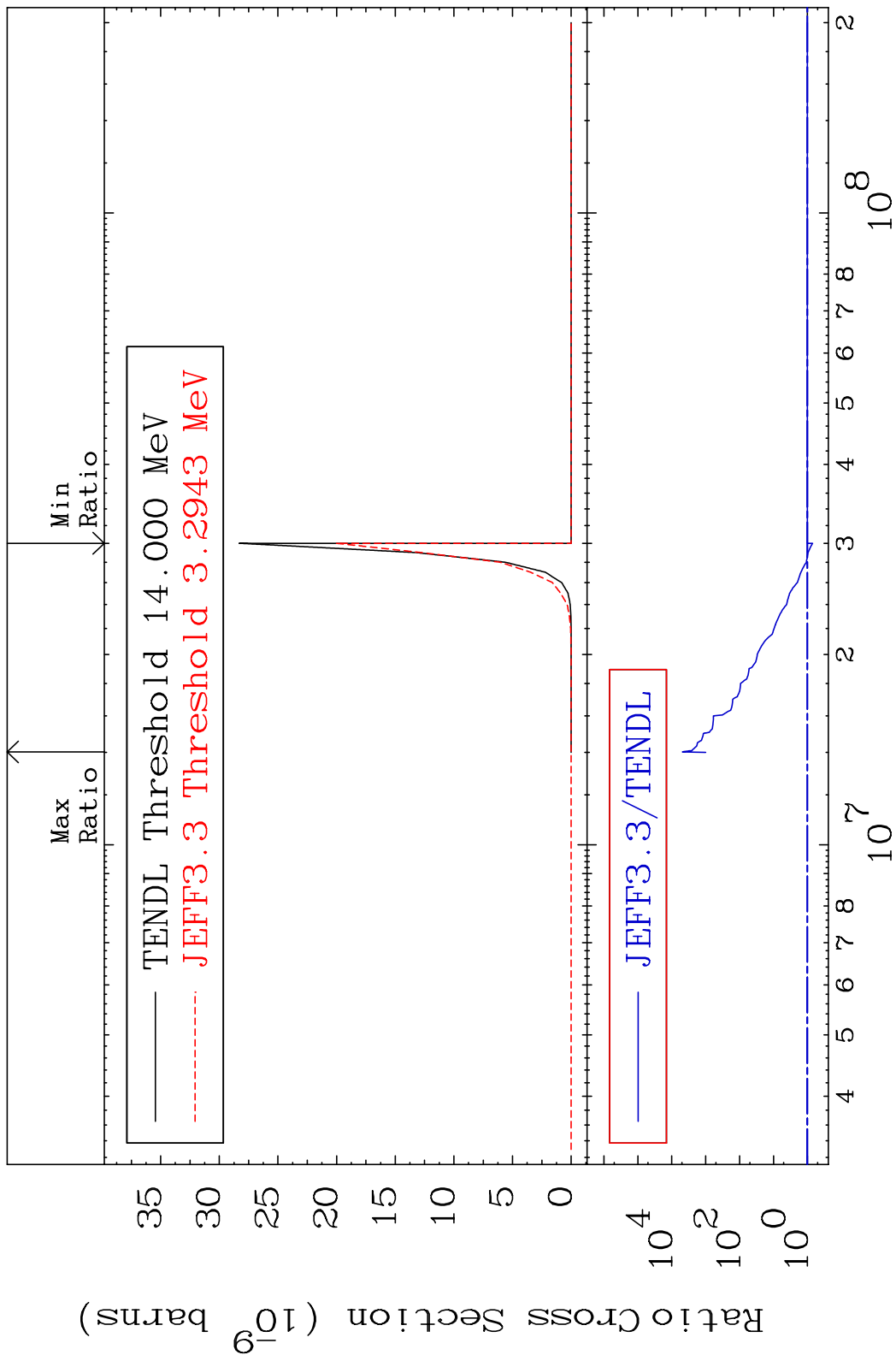




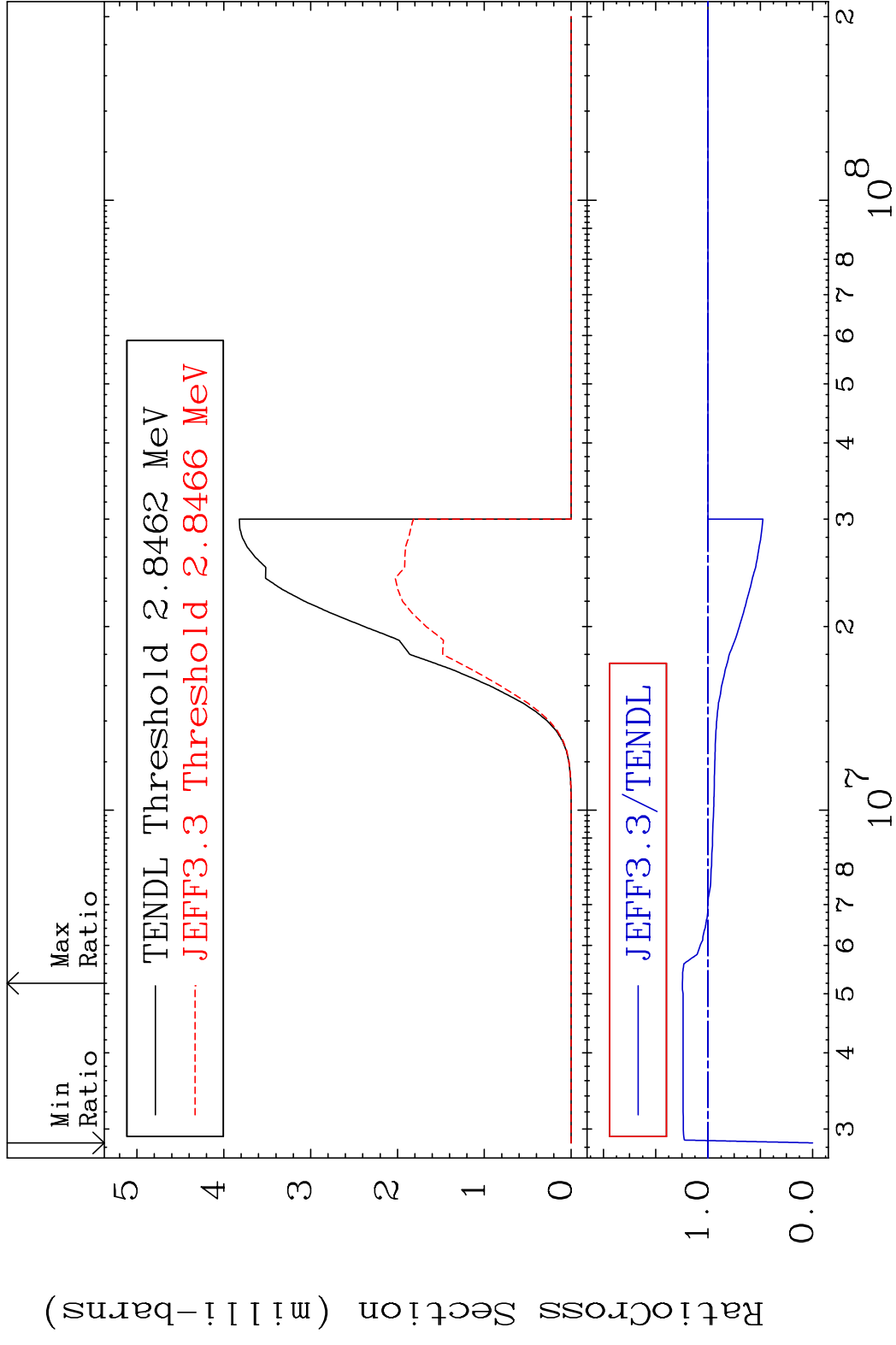








MAT 7722 (n, d): 76-0s-189g 77-Ir-190  
 Radionuclide Production Cross Section 189g 24.53 %





MAT 7722 (n, d): 76-Os-189m1 77-Ir-190  
 Radionuclide Production Cross Section Ratio 24.75 %

