

Program Complot  
(Version 2021-1)

by

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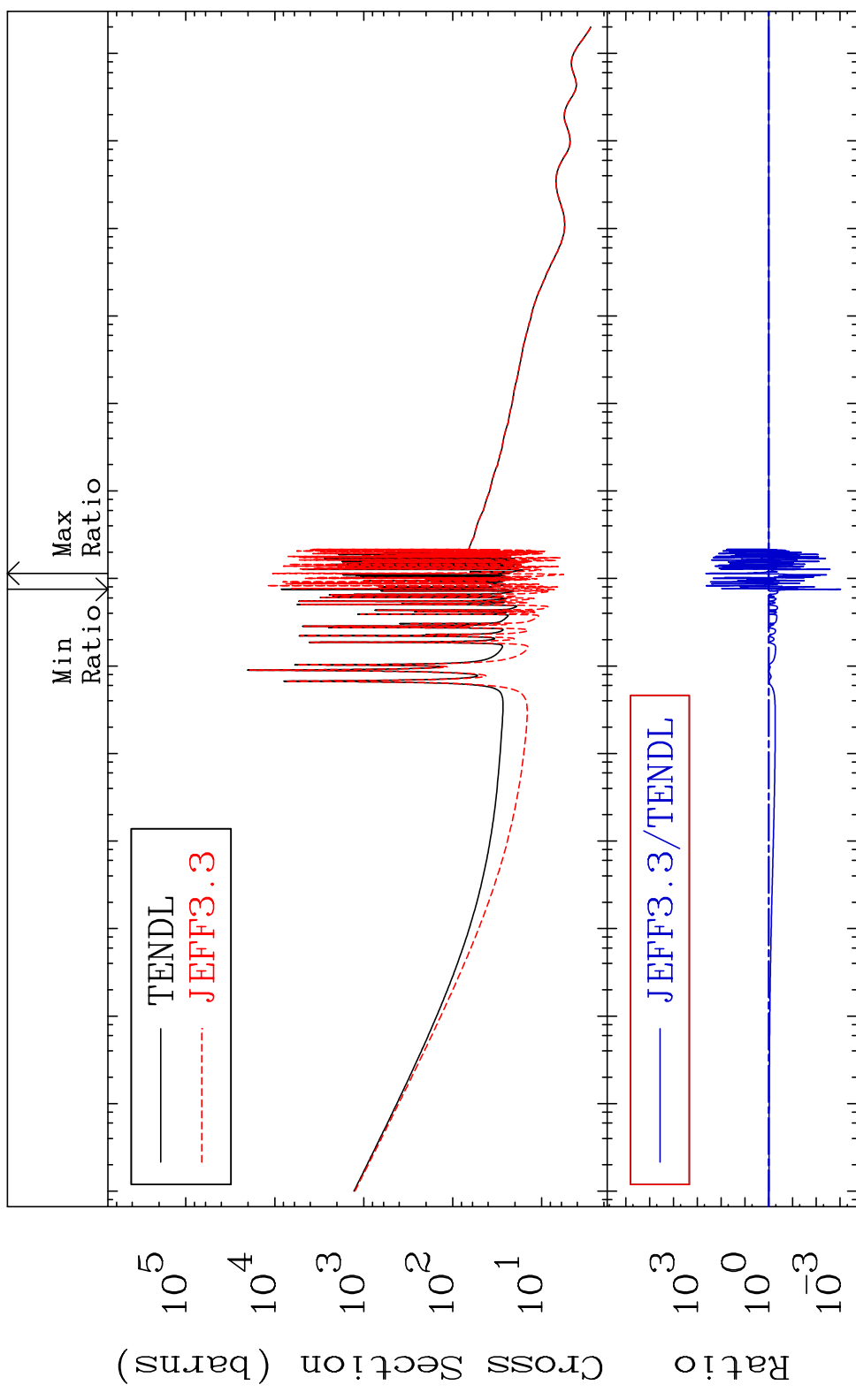
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7640

Total Cross Section -99.90 To 9999. %  
76-0s-189



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>-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>

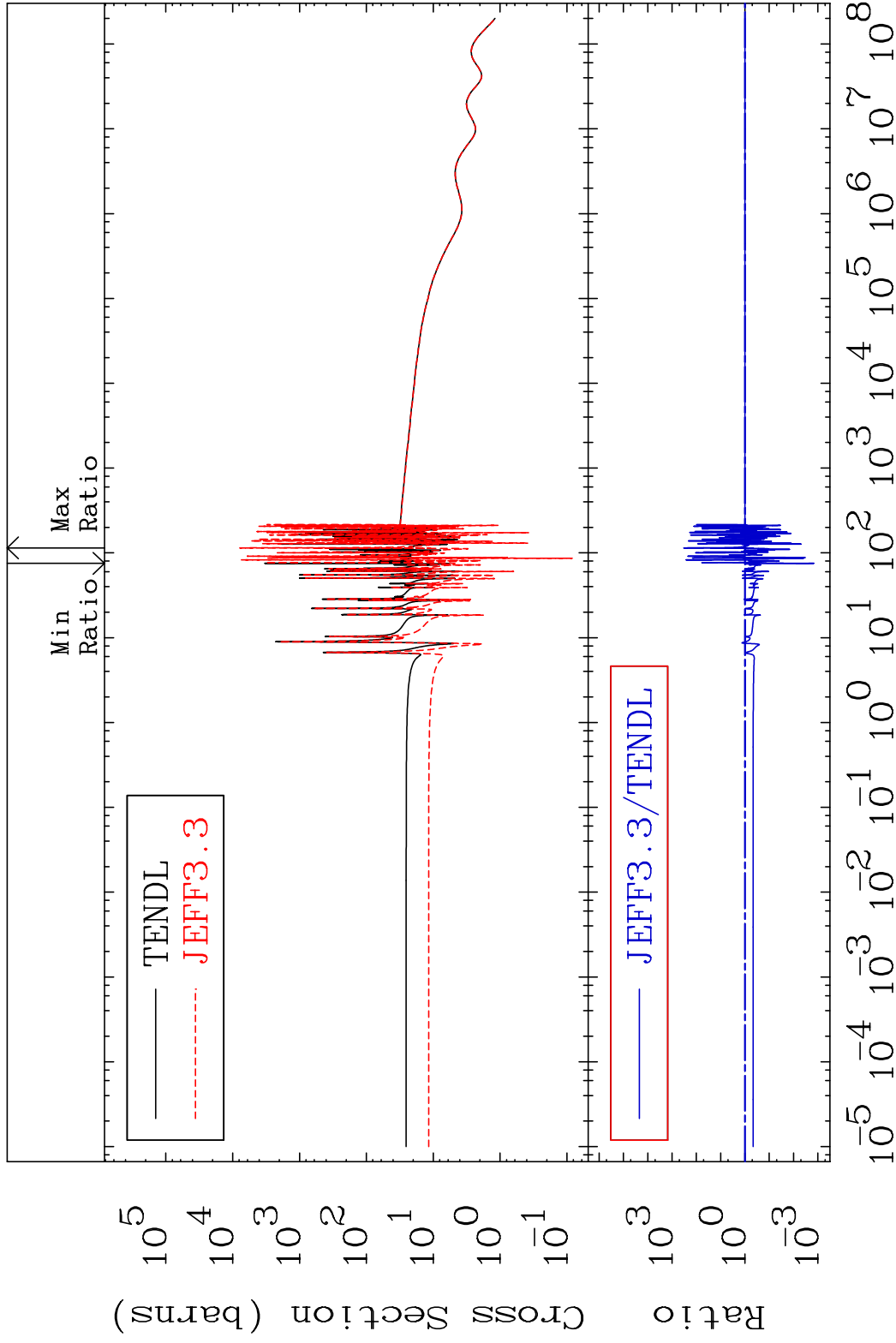
1 Incident Energy (eV) 76-0s-189

MAT 7640

Elastic

76-0s-189

Cross Section -99.86 To 9999. %

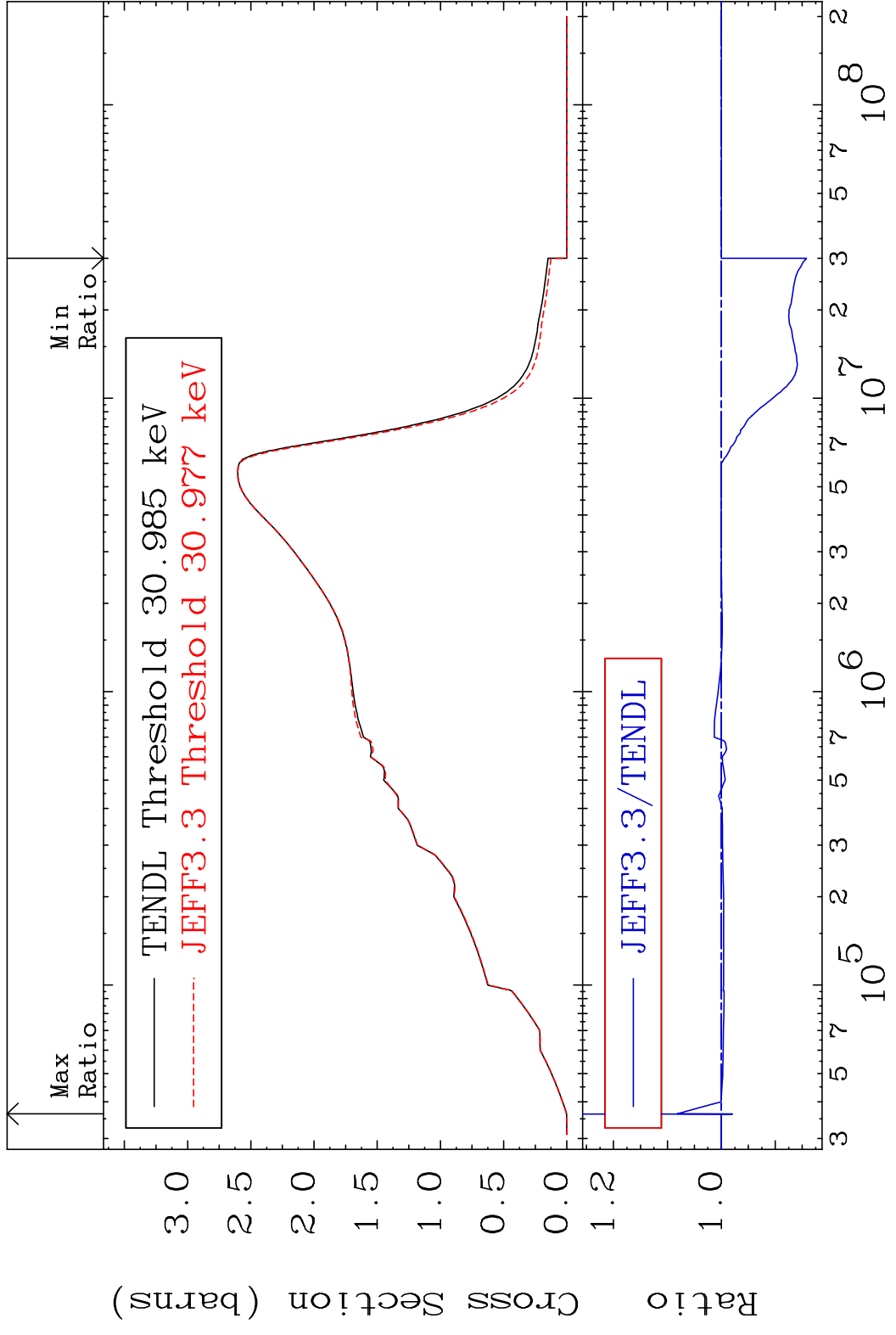


2

Incident Energy (eV)

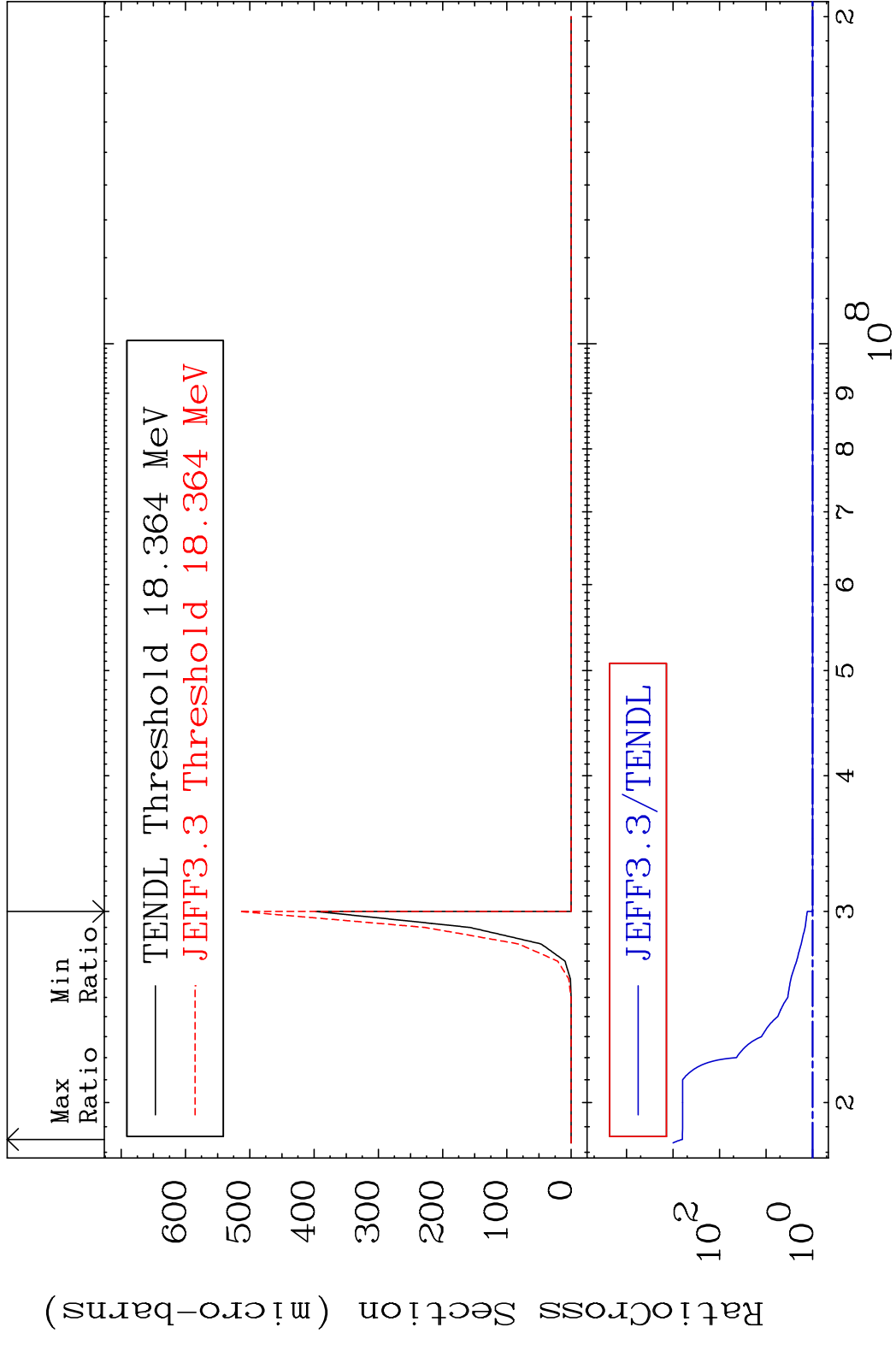
76-0s-189

MAT 7640 Inelastic 76-0s-189  
 Cross Section -15.77 To 8.192 %



3 3 Incident Energy (eV) 76-0s-189

MAT 7640 (n,2n) d 76-0s-189  
 Cross Section 0.000 To 9999. %

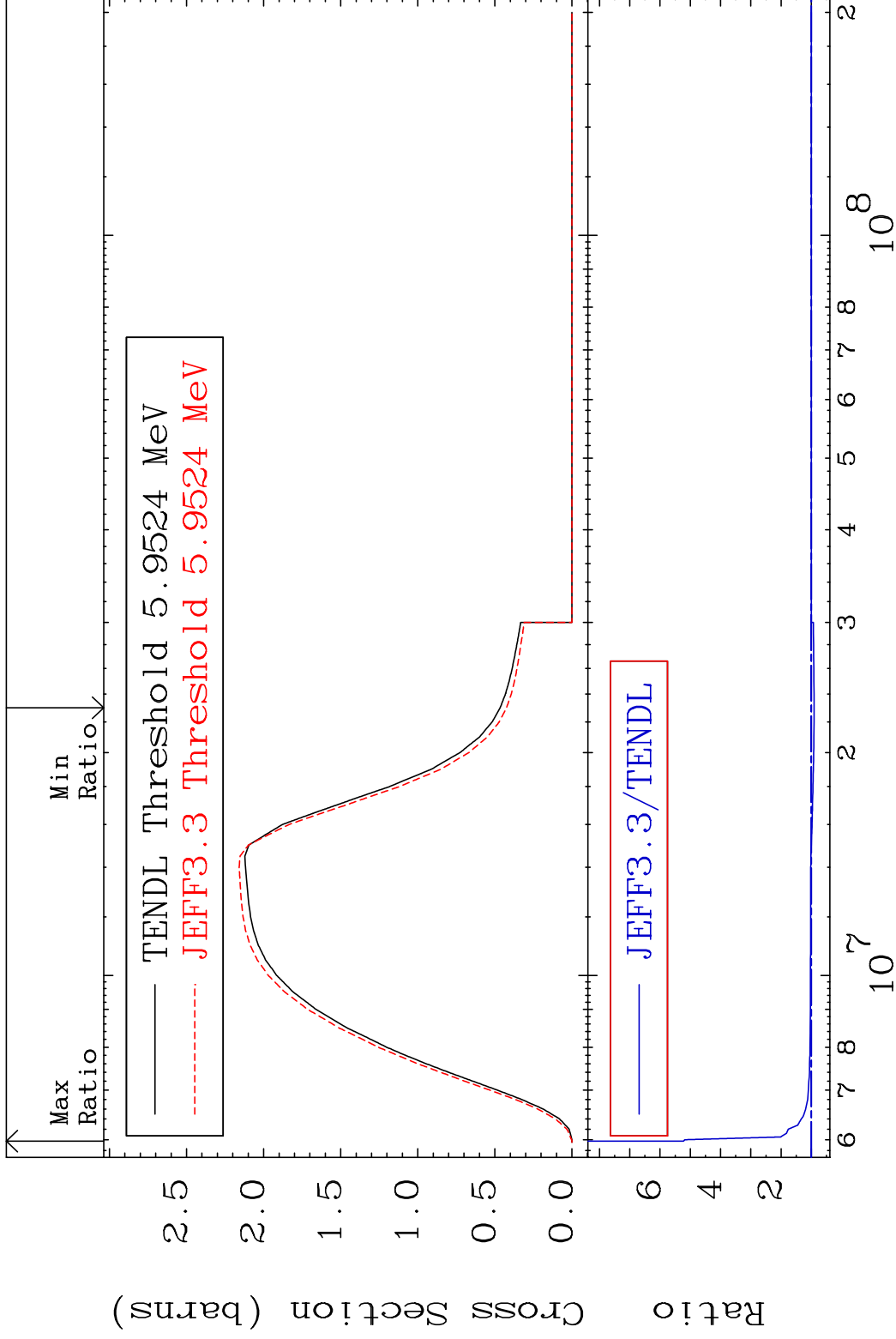


MAT 7640

(n,2n)

76-Os-189

Cross Section -8.872 To 422.6 %



5

Incident Energy (eV)

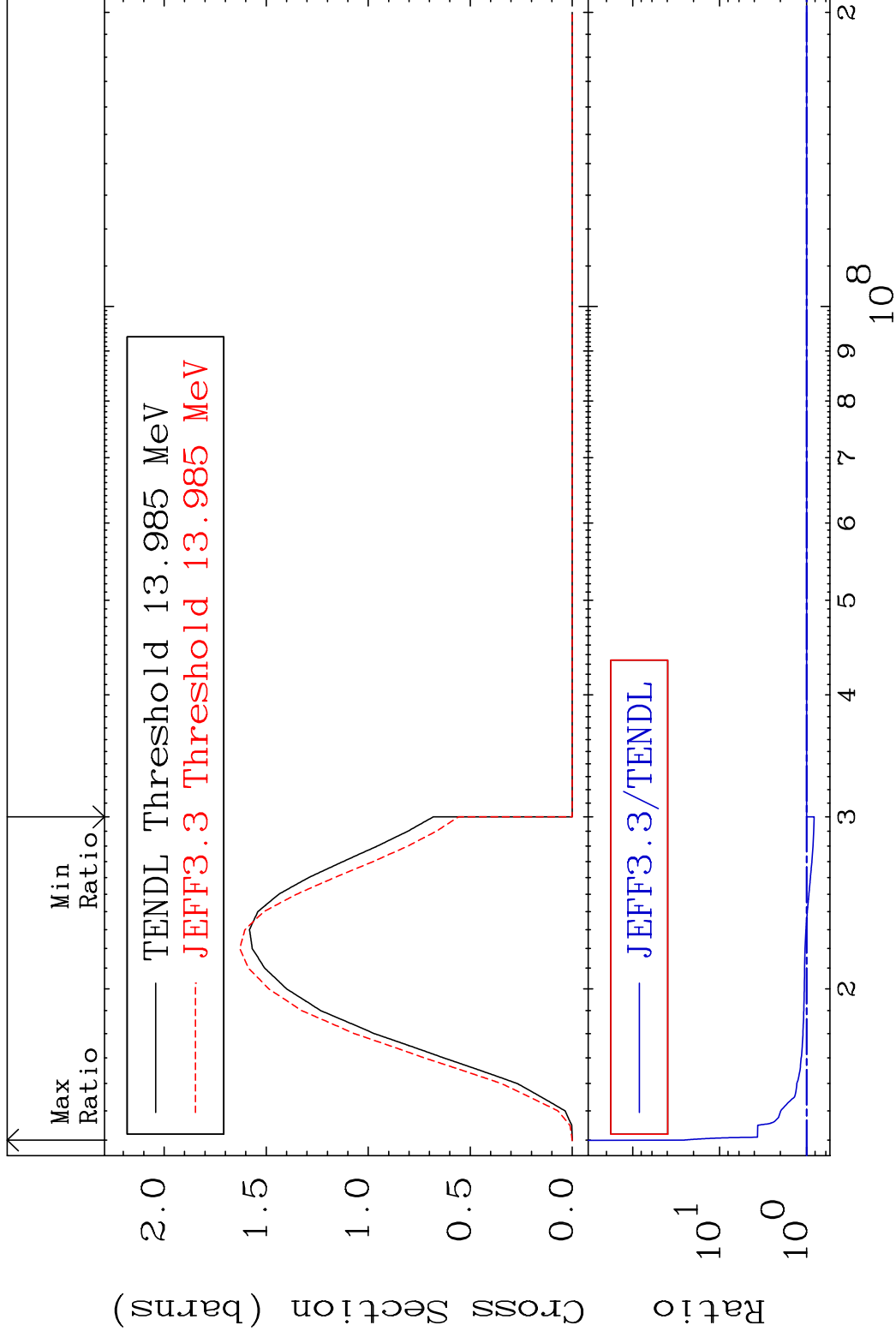
76-Os-189

MAT 7640

(n,3n)

76-0s-189

Cross Section -18.16 To 2492. %



6

Incident Energy (eV)

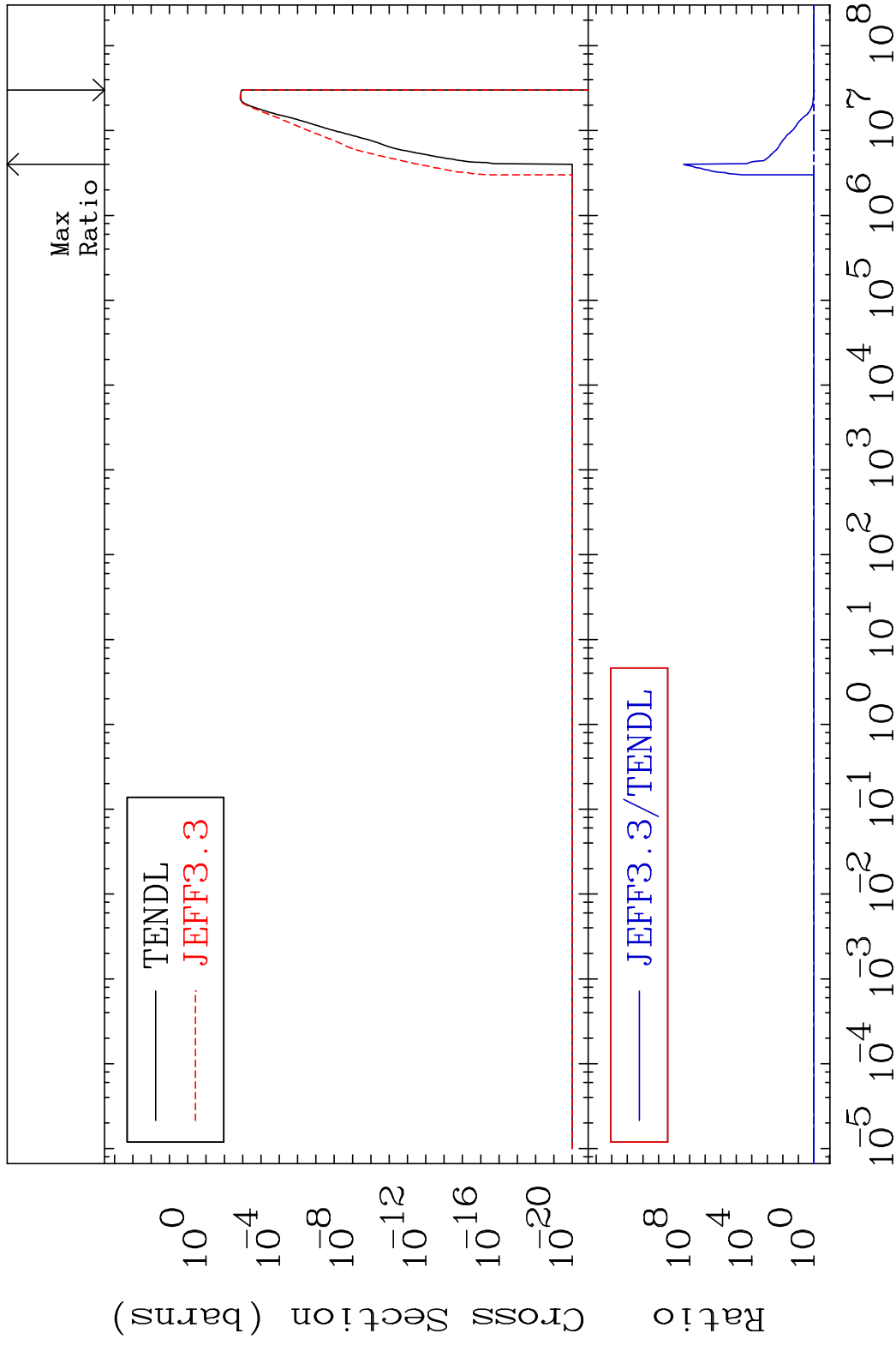
76-0s-189

MAT 7640

(n, n')  $\alpha$

76-0s-189

Cross Section -2.188 To 9999. %



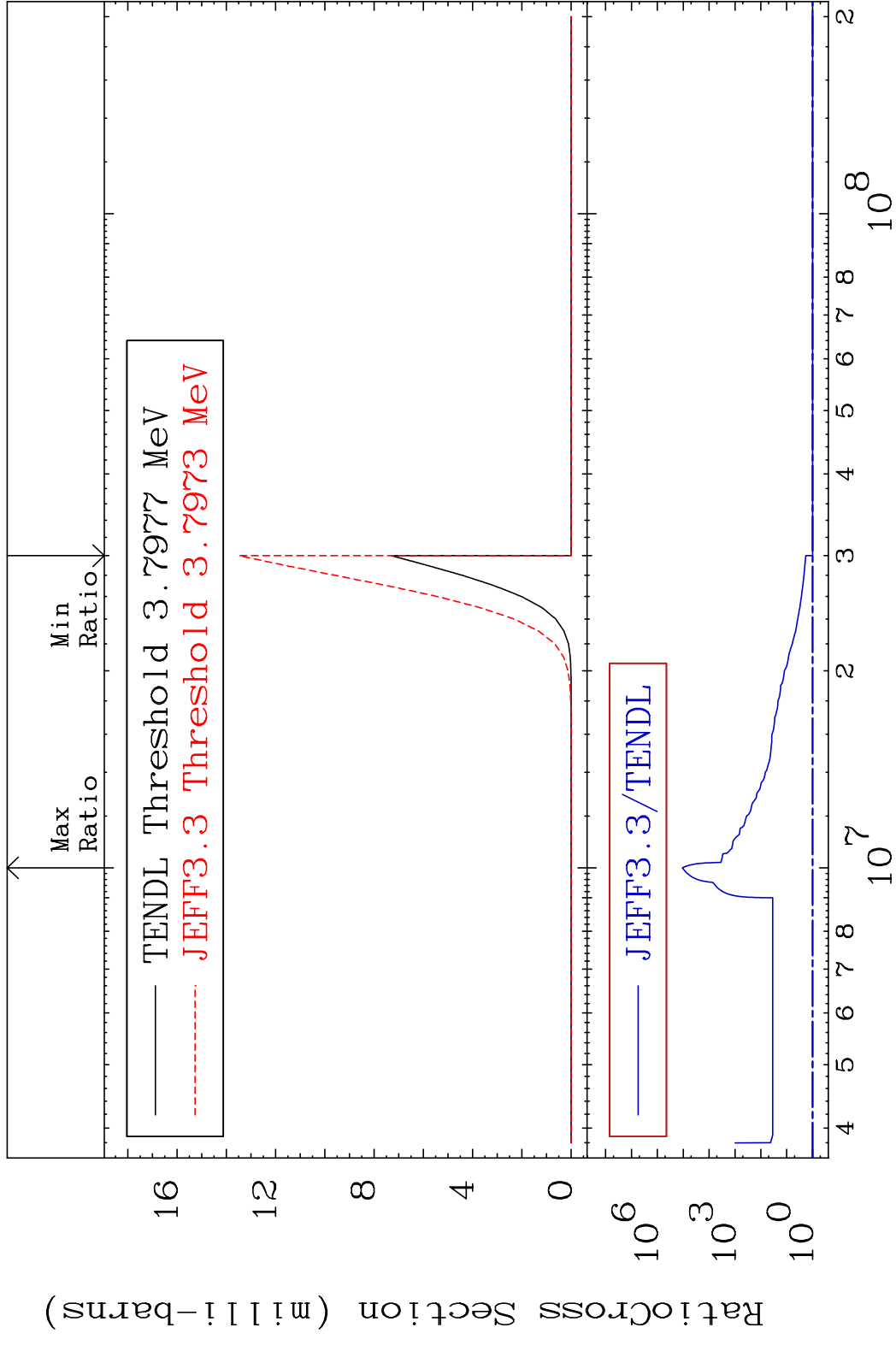
7

Incident Energy (eV)

76-0s-189

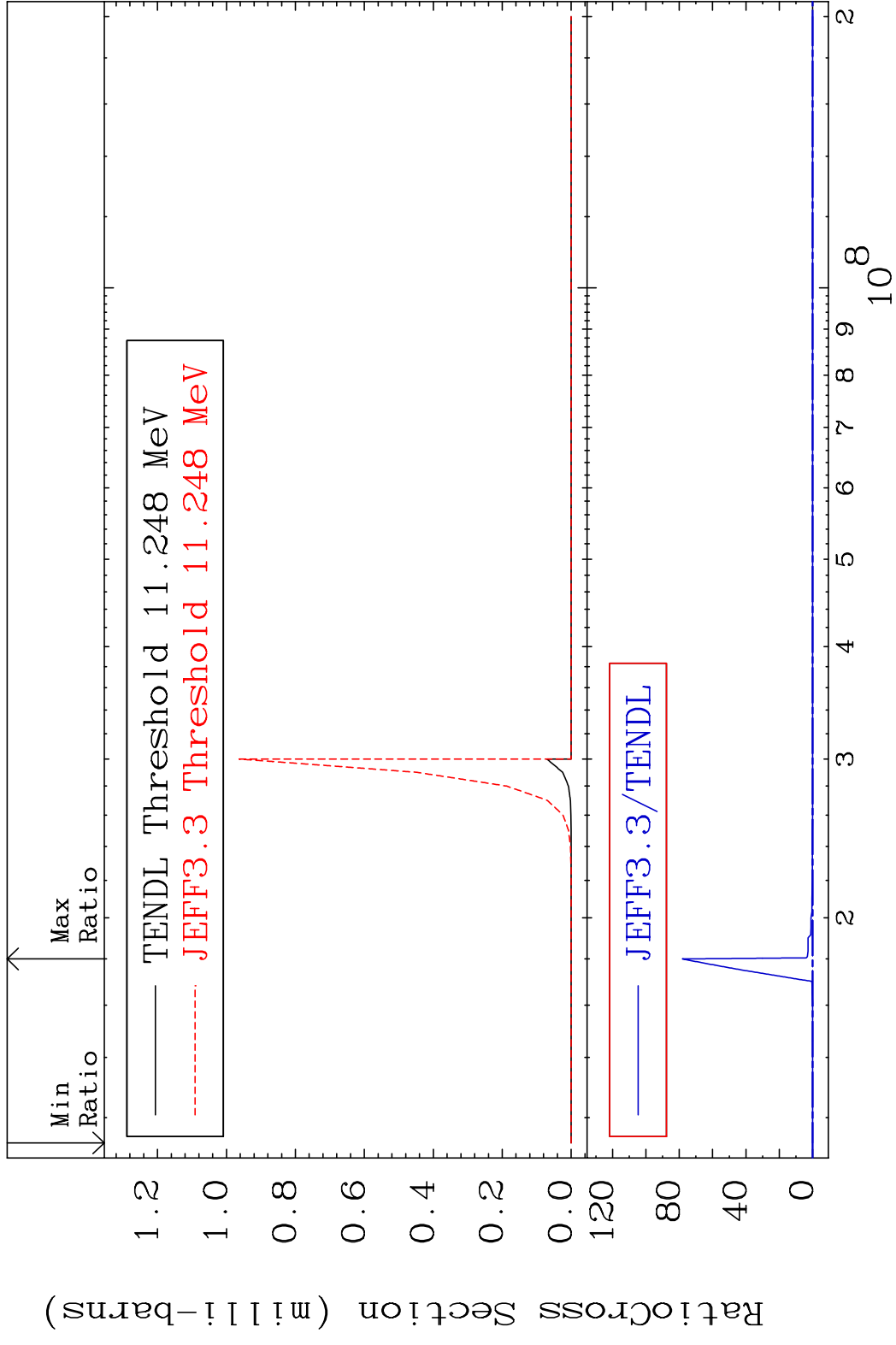


MAT 7640 (n,2n)  $\alpha$  76-0s-189  
 Cross Section 0.000 To 9999. %

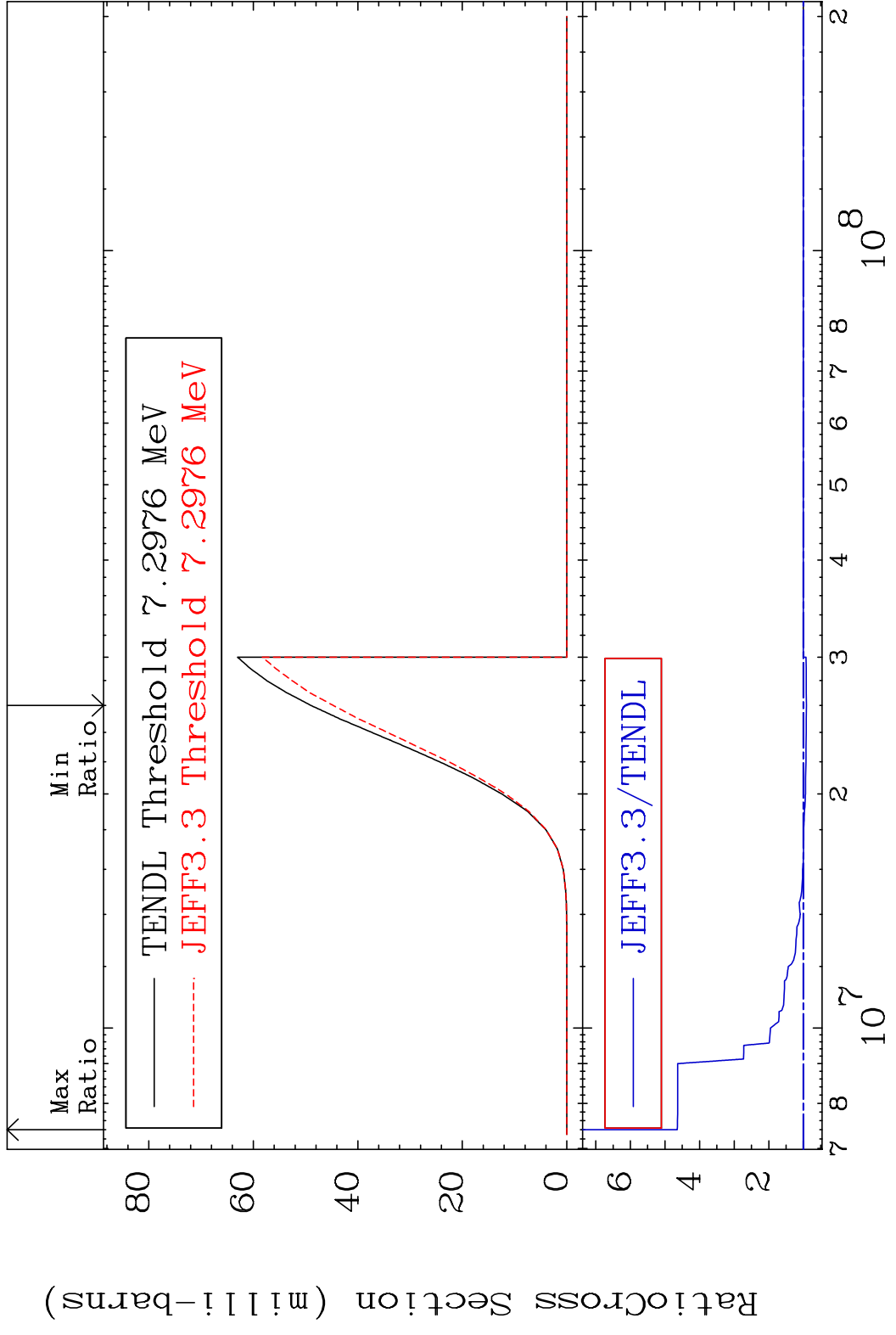


8 Incident Energy (eV) 76-0s-189

MAT 7640 (n,3n)  $\alpha$  76-0s-189  
 Cross Section -100.0 To 9999. %



MAT 7640 (n, n') p 76-Os-189  
 Cross Section -8.711 To 364.7 %



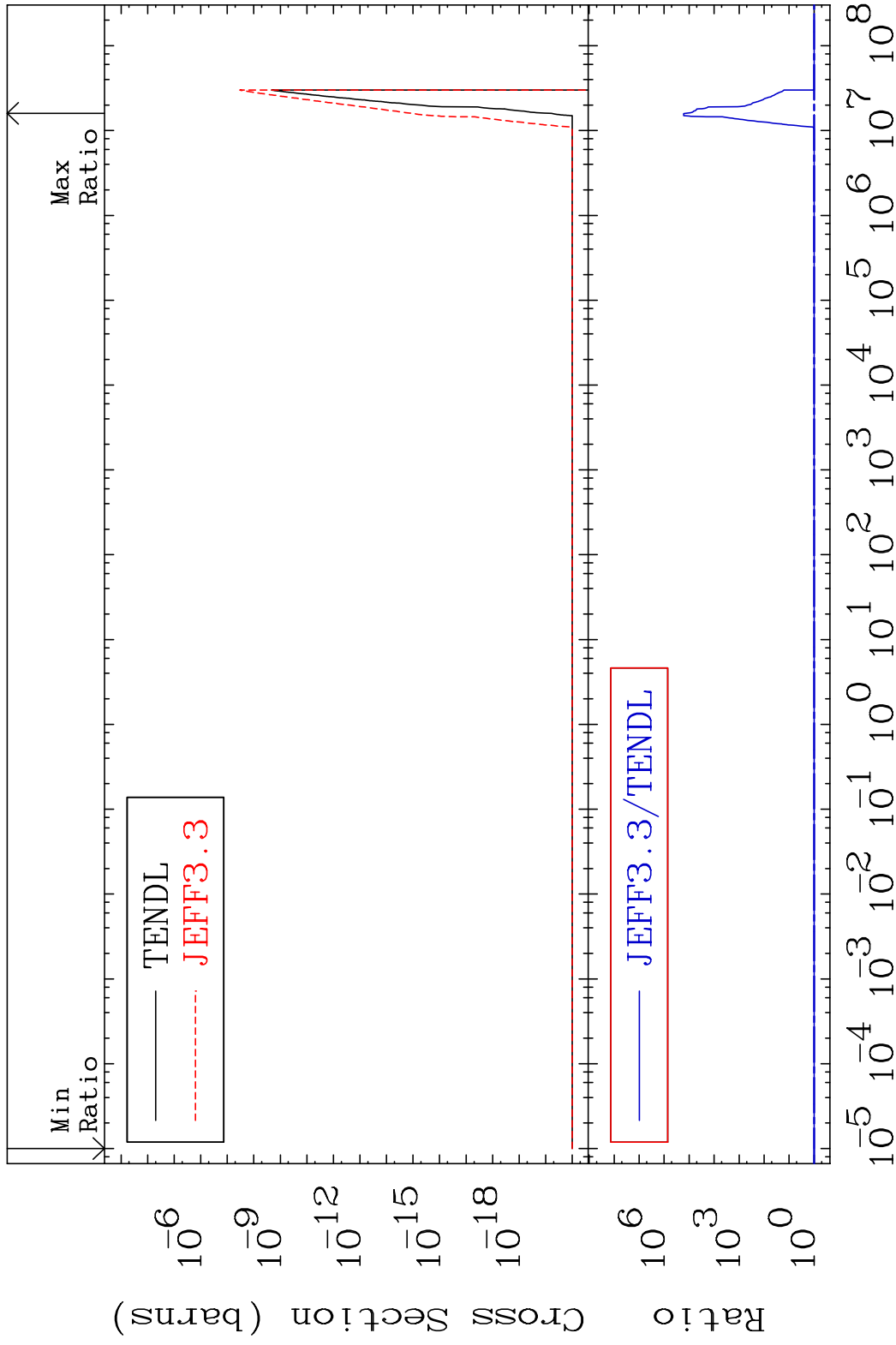
10 7 8 2 8 10 2 76-Os-189

MAT 7640

(n, n') 2α

76-Os-189

Cross Section 0.000 To 9999. %

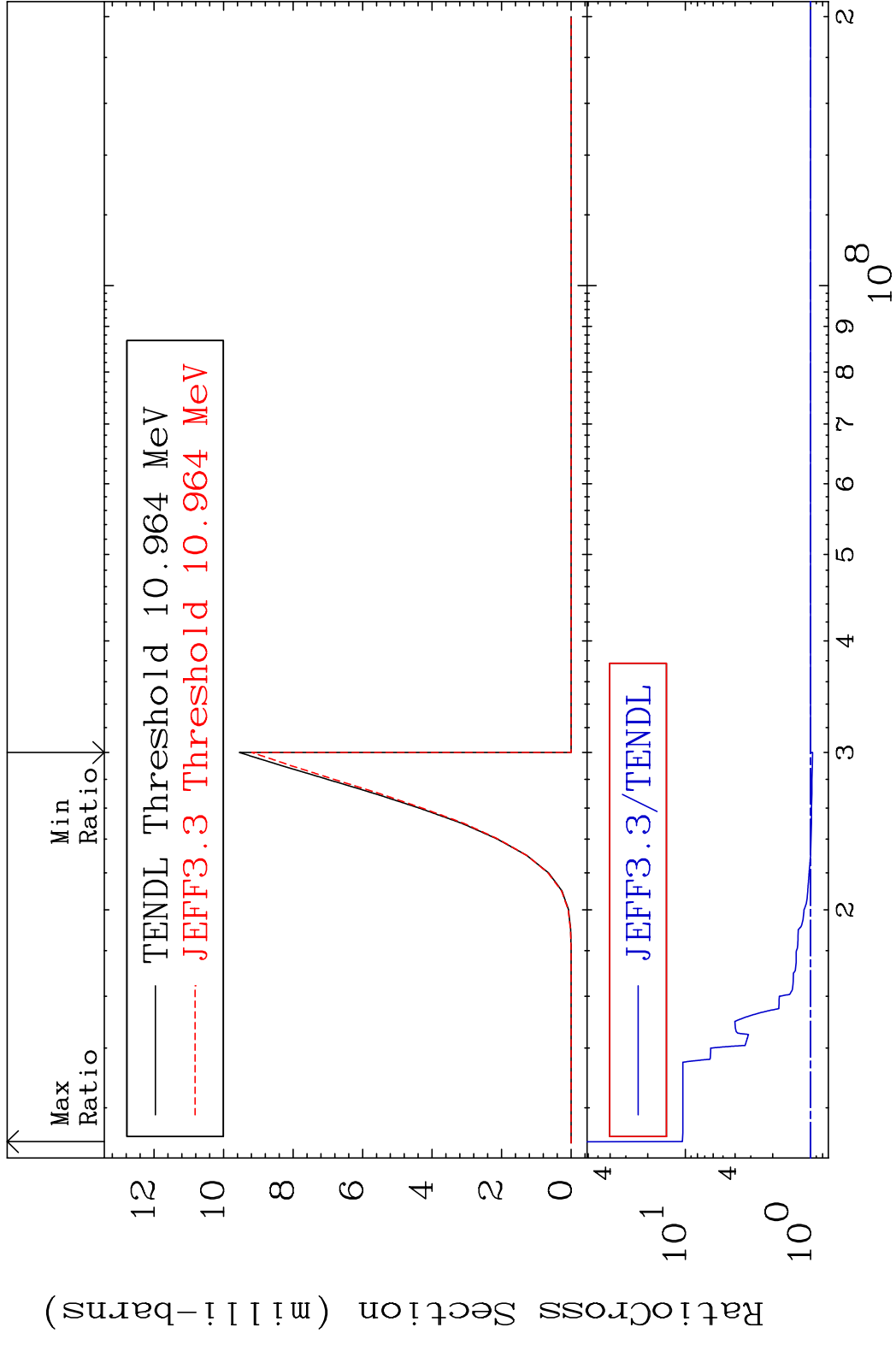


11

Incident Energy (eV)

76-Os-189

MAT 7640 (n, n') d 76-0s-189  
 Cross Section -3.798 To 957.9 %

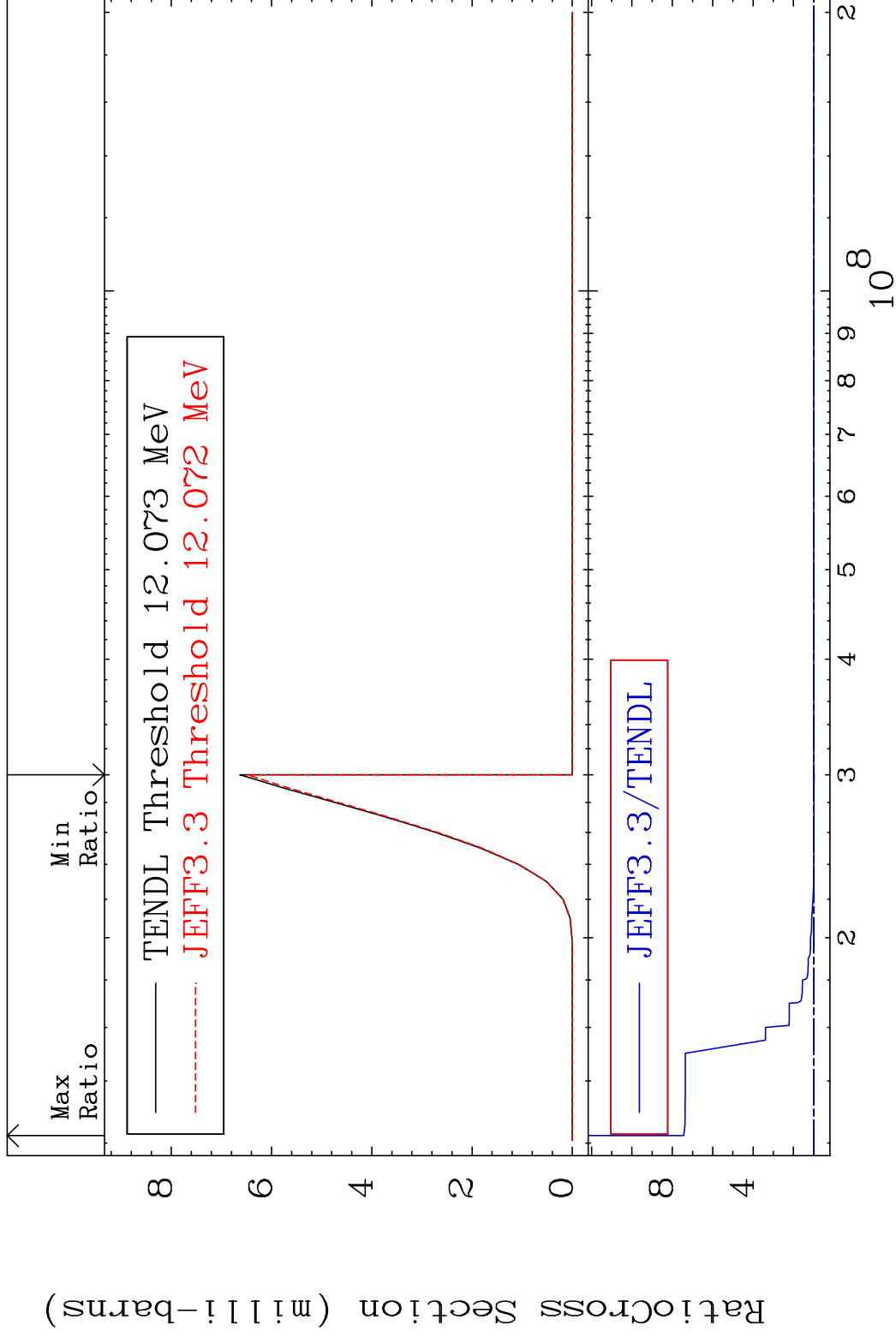


MAT 7640

(n, n') t

76-0s-189

Cross Section -2.193 To 643.8 %



13

Incident Energy (eV)

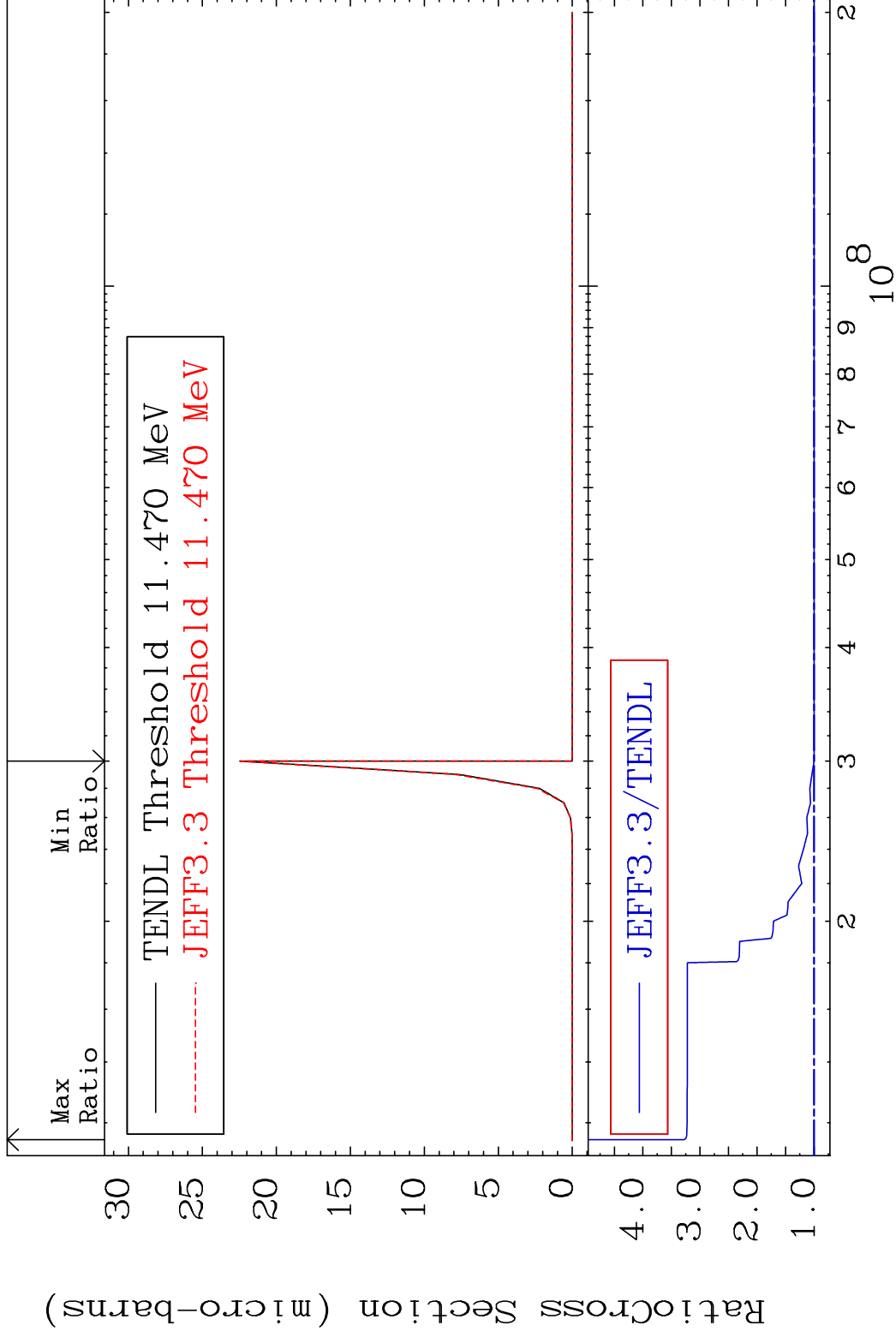
76-0s-189

MAT 7640

(n,n') He-3

76-Os-189

Cross Section -0.111 To 228.6 %

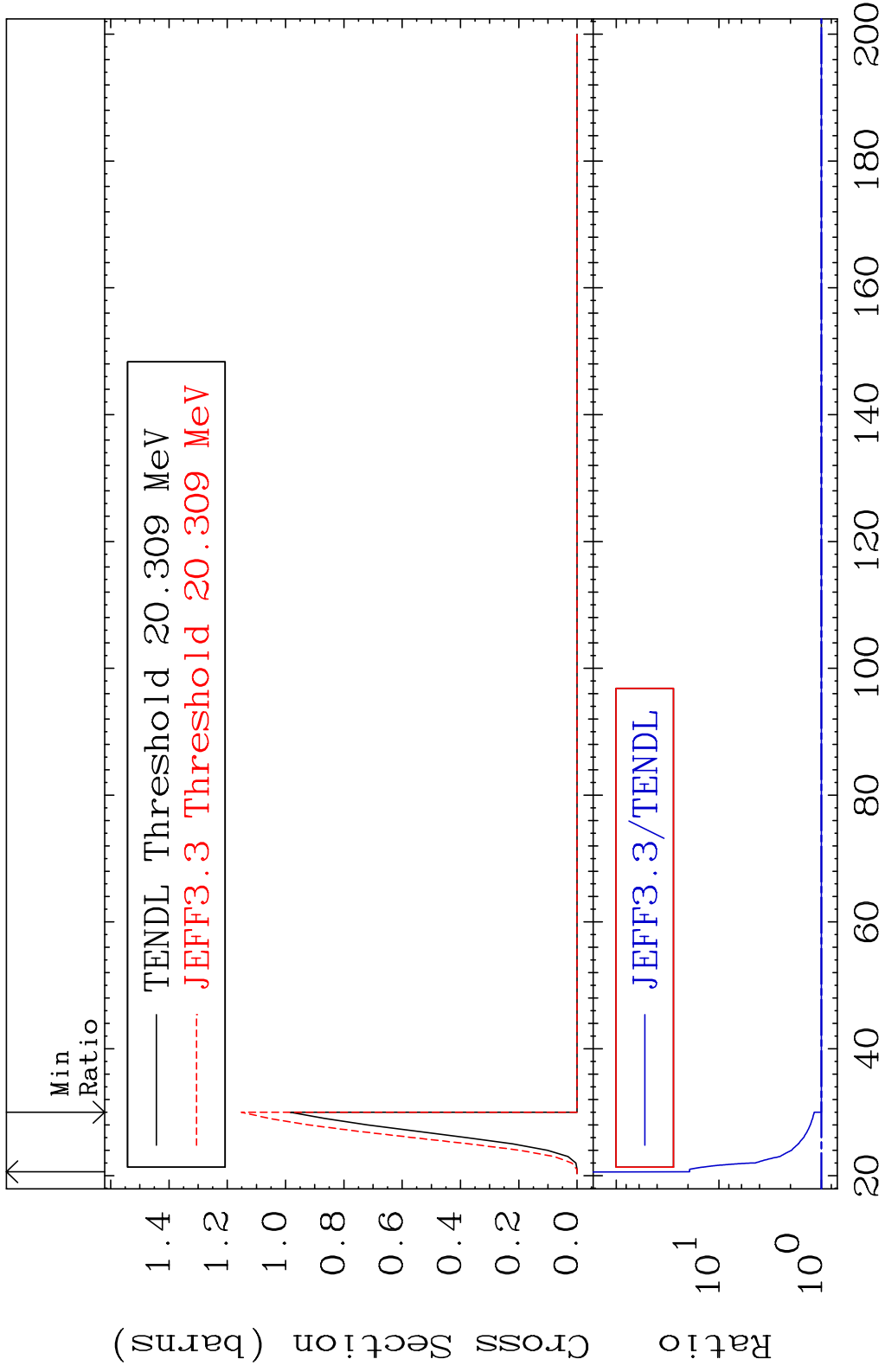


MAT 7640

(n,4n)

76-0s-189

Cross Section 0.000 To 1828. %



15

Incident Energy (MeV)

76-0s-189

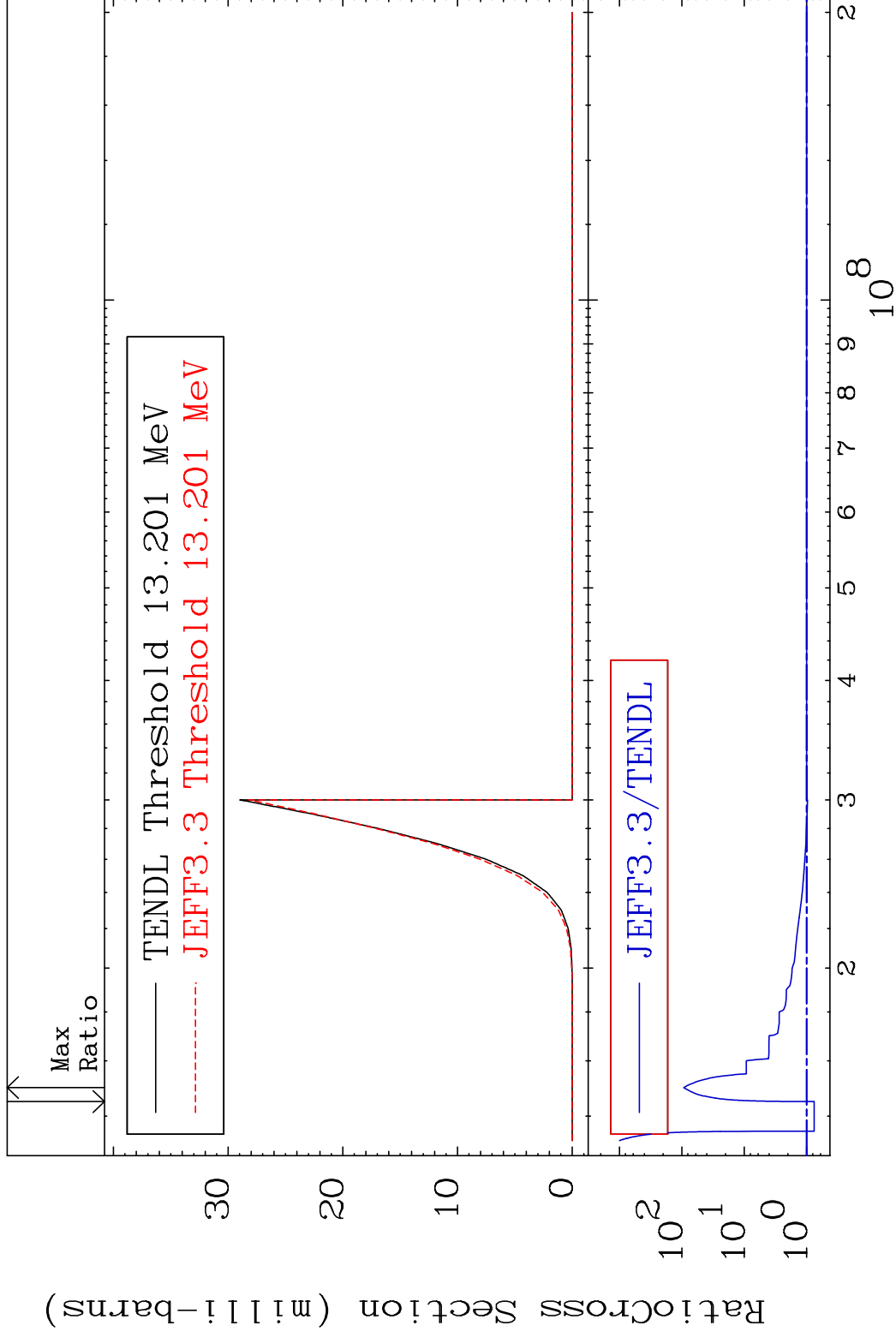


MAT 7640

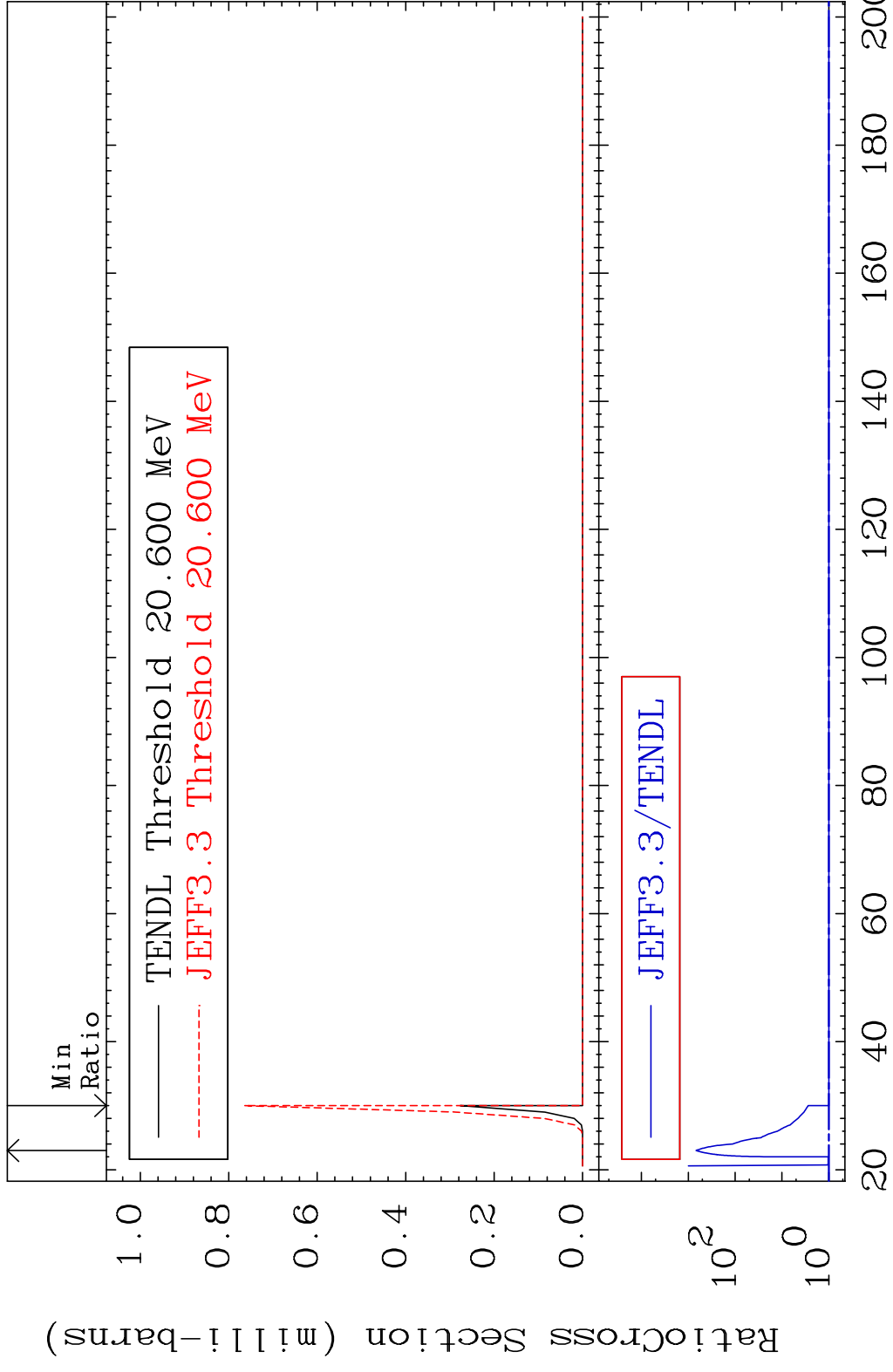
(n,2n) p

76-0s-189

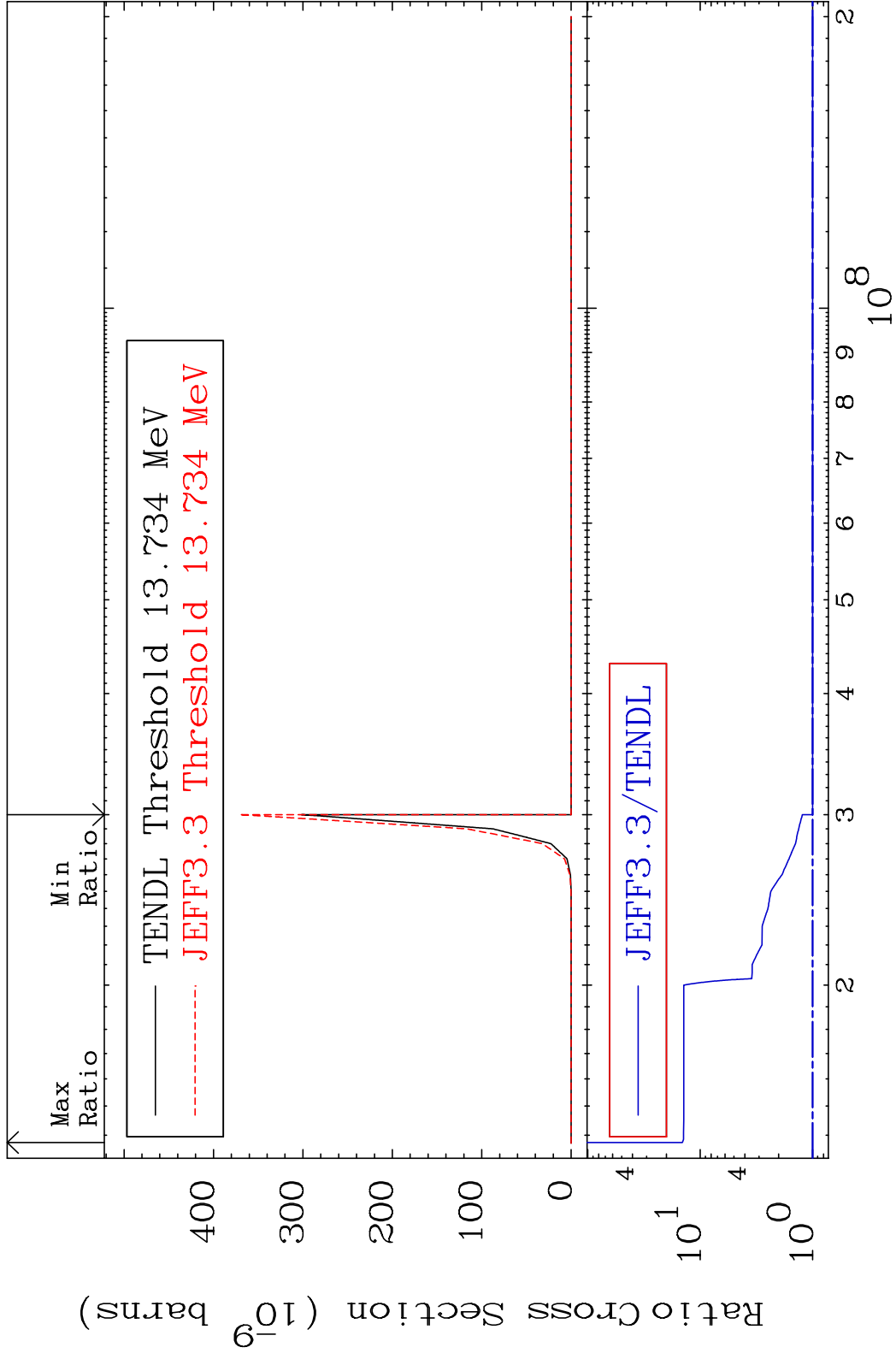
Cross Section -24.02 To 9256. %



MAT 7640 (n,3n) p 76-0s-189  
 Cross Section 0.000 To 9999. %



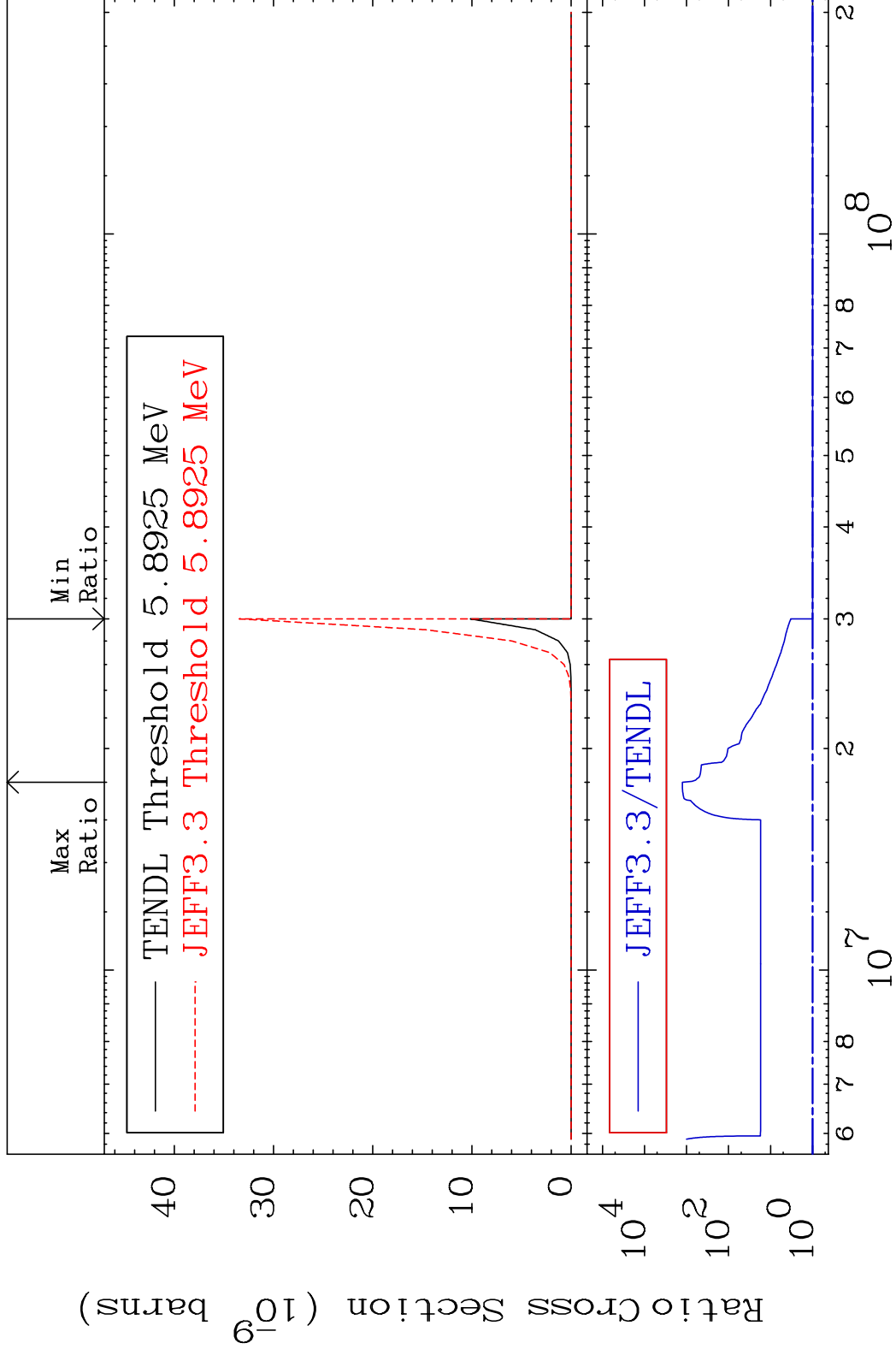
MAT 7640 (n,2n) p 76-Os-189  
 Cross Section 0.000 To 1341. %



MAT 7640

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

76-0s-189

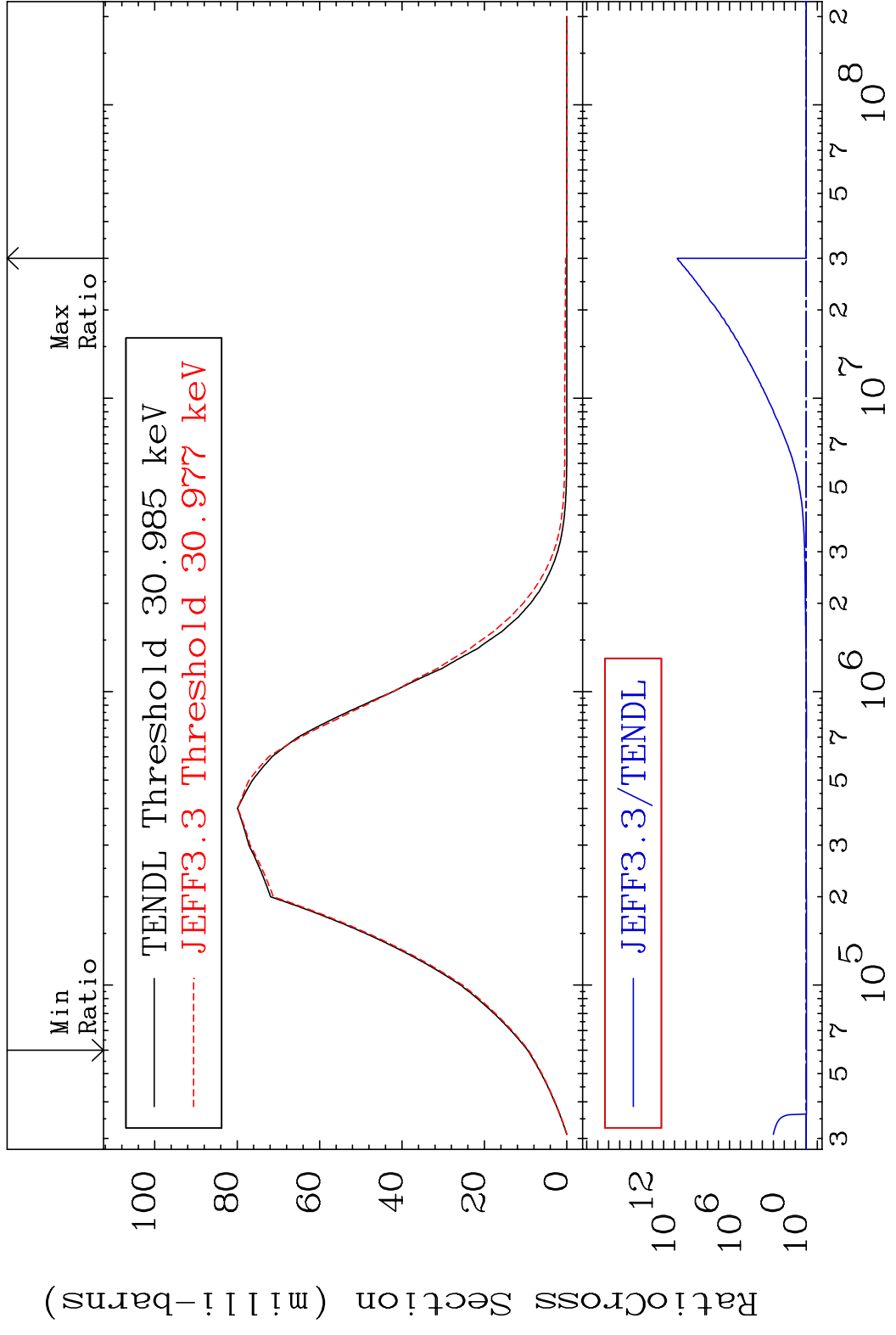


19

Incident Energy (eV)

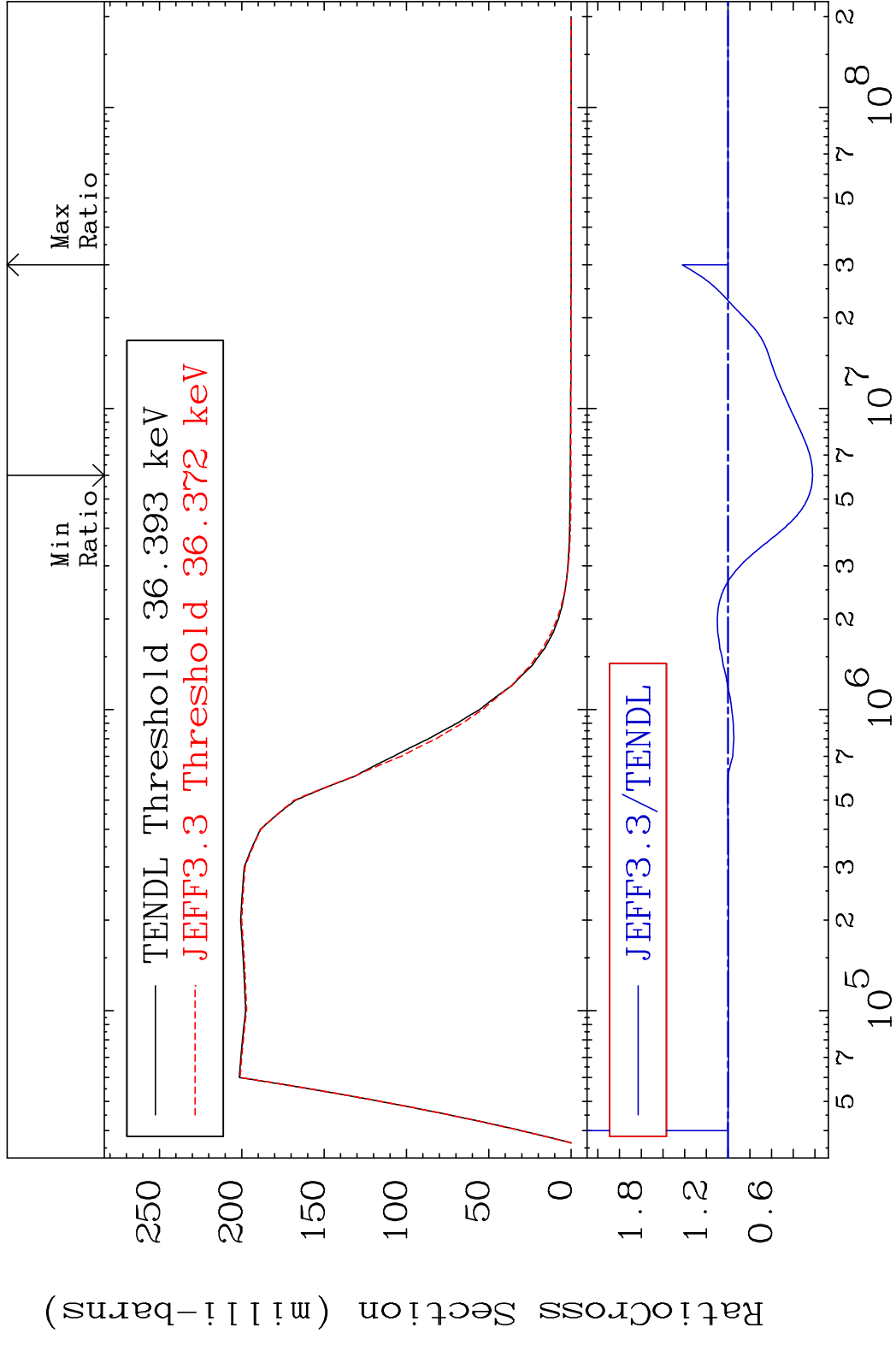
76-0s-189

MAT 7640 MT= 51 (n,n') Level 76-0s-189  
 Cross Section -2.164 To 9999. %

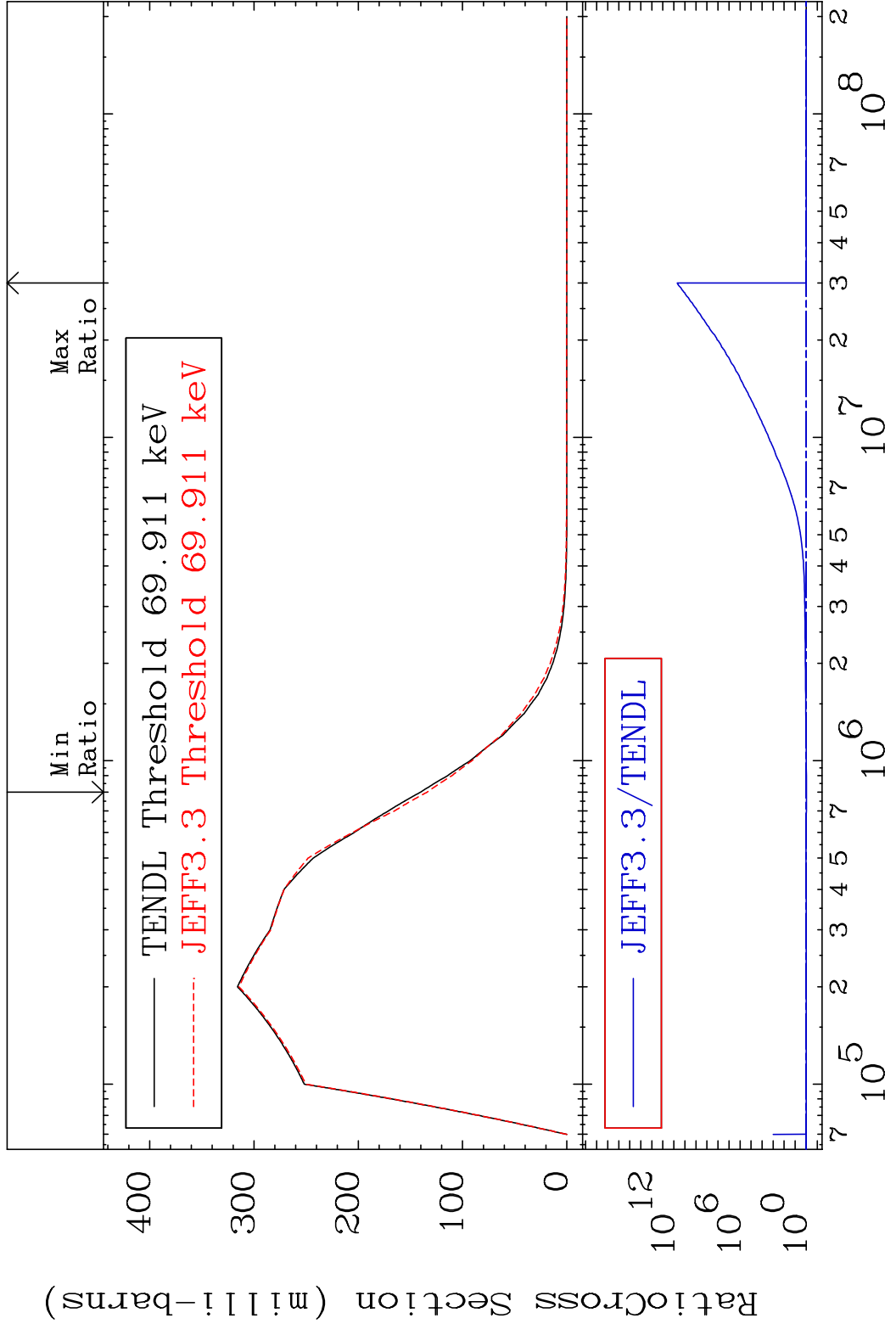


20 Incident Energy (eV) 76-0s-189

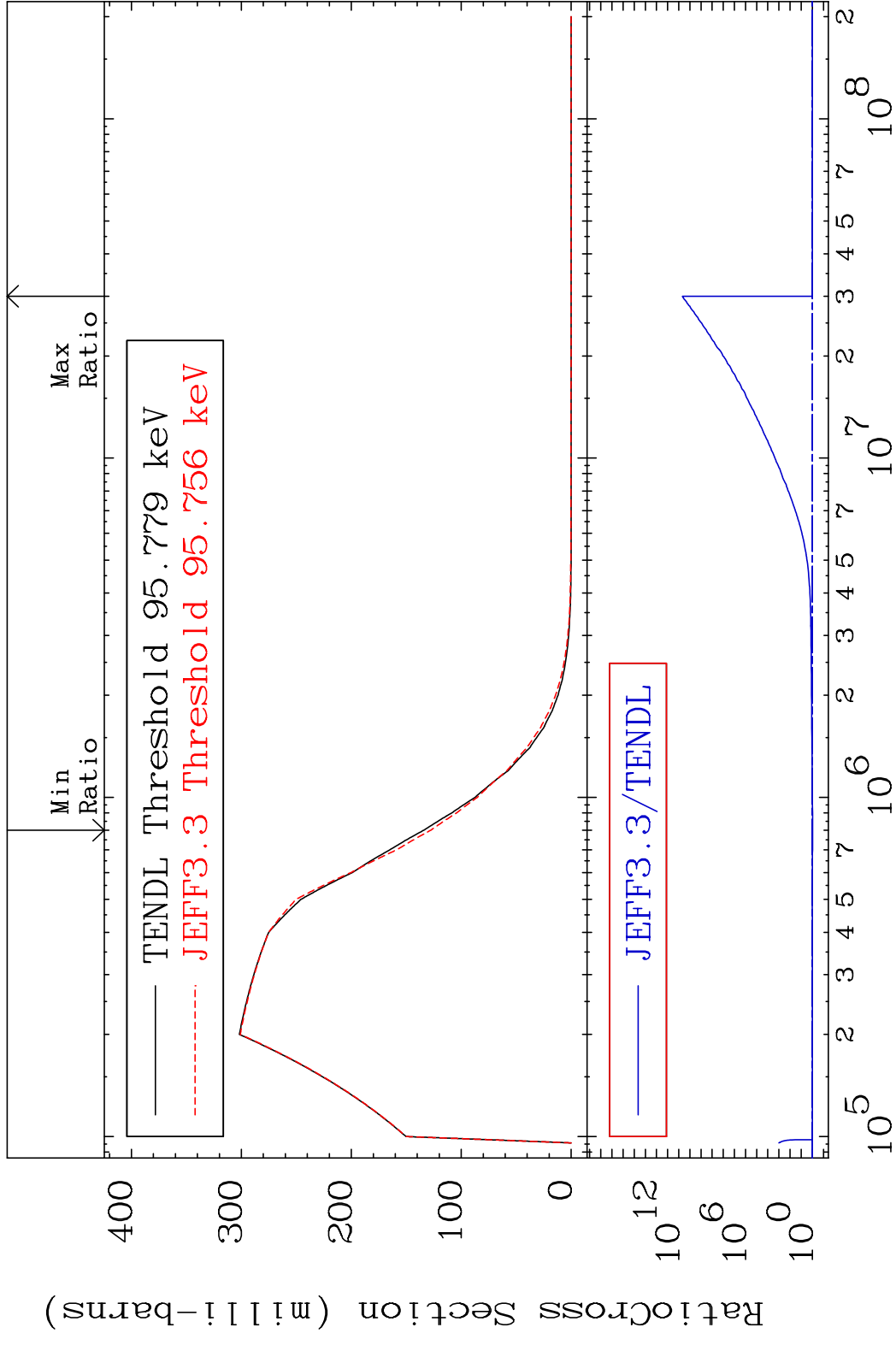
MAT 7640 MT= 52 (n, n') Level 76-0s-189  
 Cross Section -77.80 To 42.12 %



MAT 7640 MT= 53 (n, n') Level 76-0s-189  
 Cross Section -4.347 To 9999. %

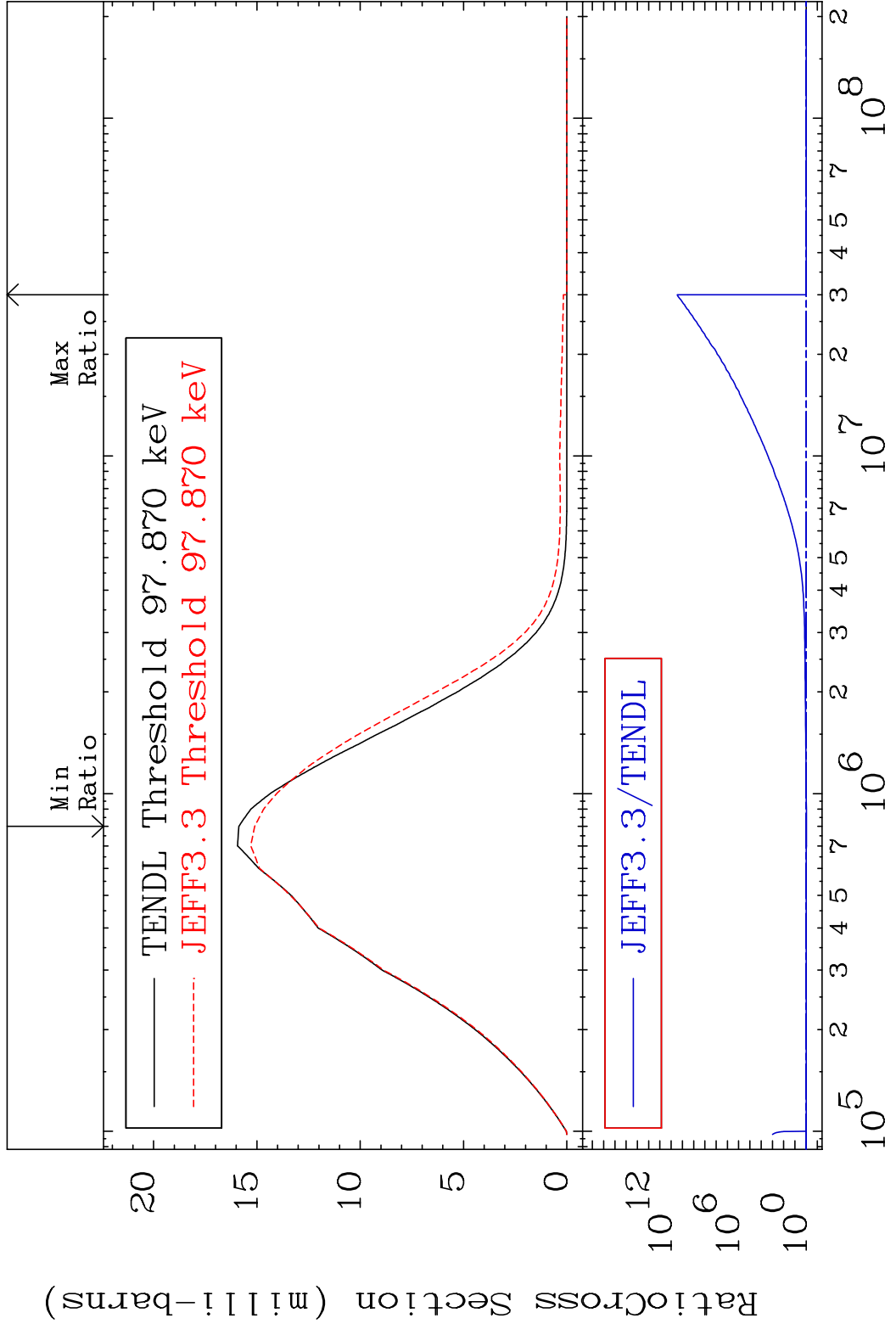


MAT 7640 MT= 54 (n,n') Level 76-0s-189  
 Cross Section -4.748 To 9999. %

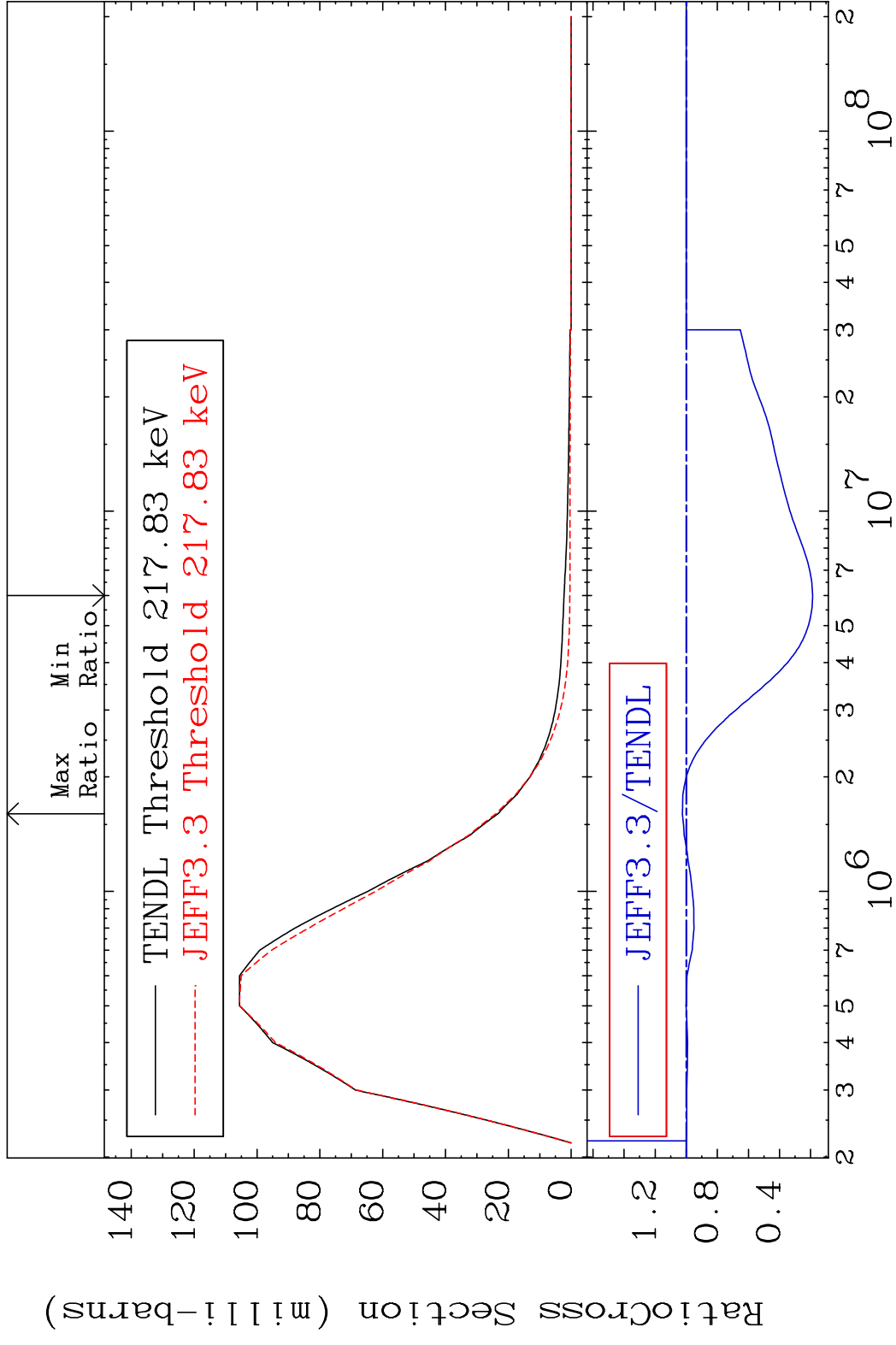




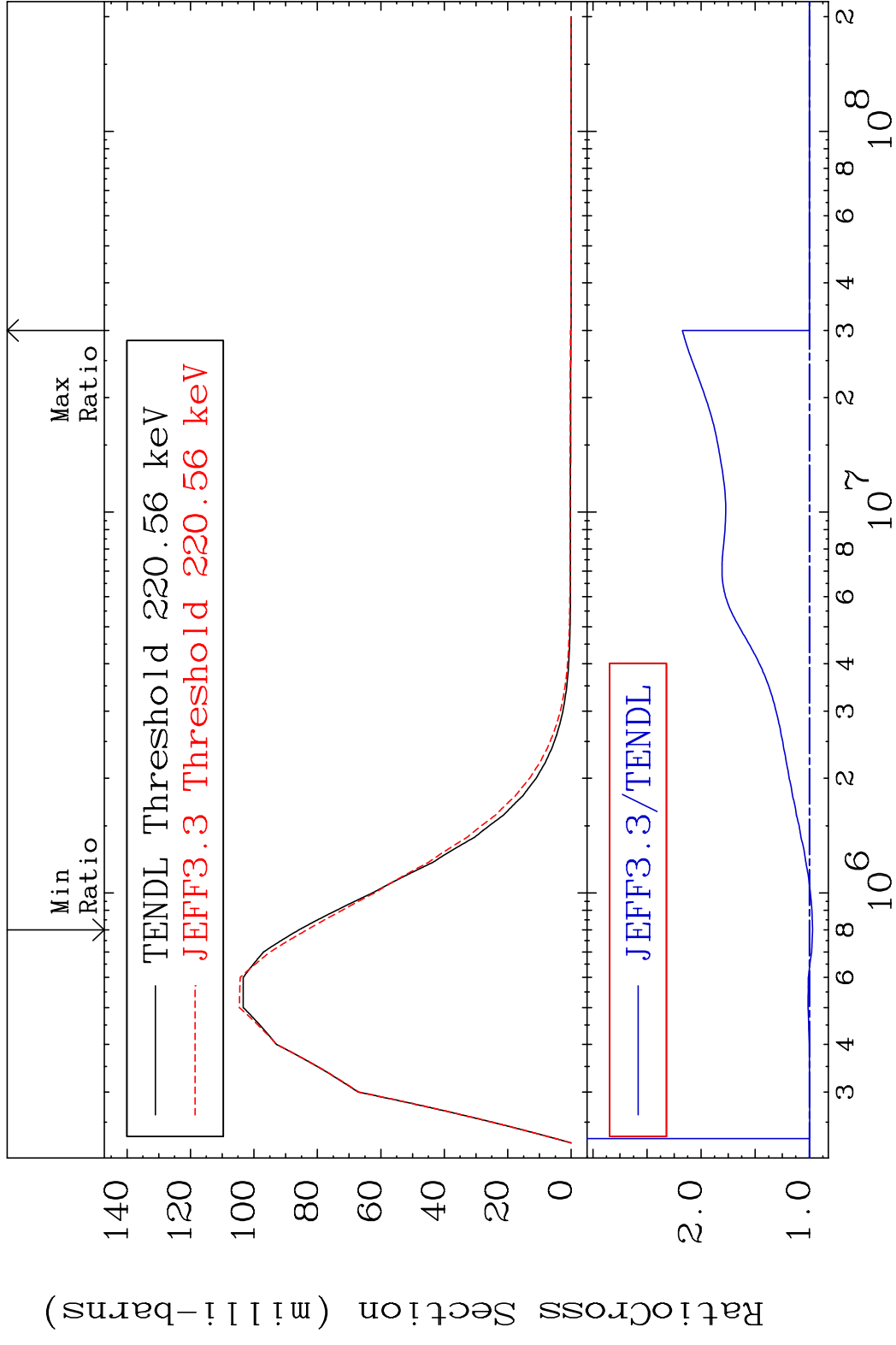
MAT 7640 MT= 55 (n,n') Level 76-0s-189  
 Cross Section -4.848 To 9999. %



MAT 7640 MT= 56 (n,n') Level 76-0s-189  
 Cross Section -81.27 To 2.506 %



MAT 7640 MT= 57 (n, n') Level 76-0s-189  
 Cross Section -2.987 To 117.4 %

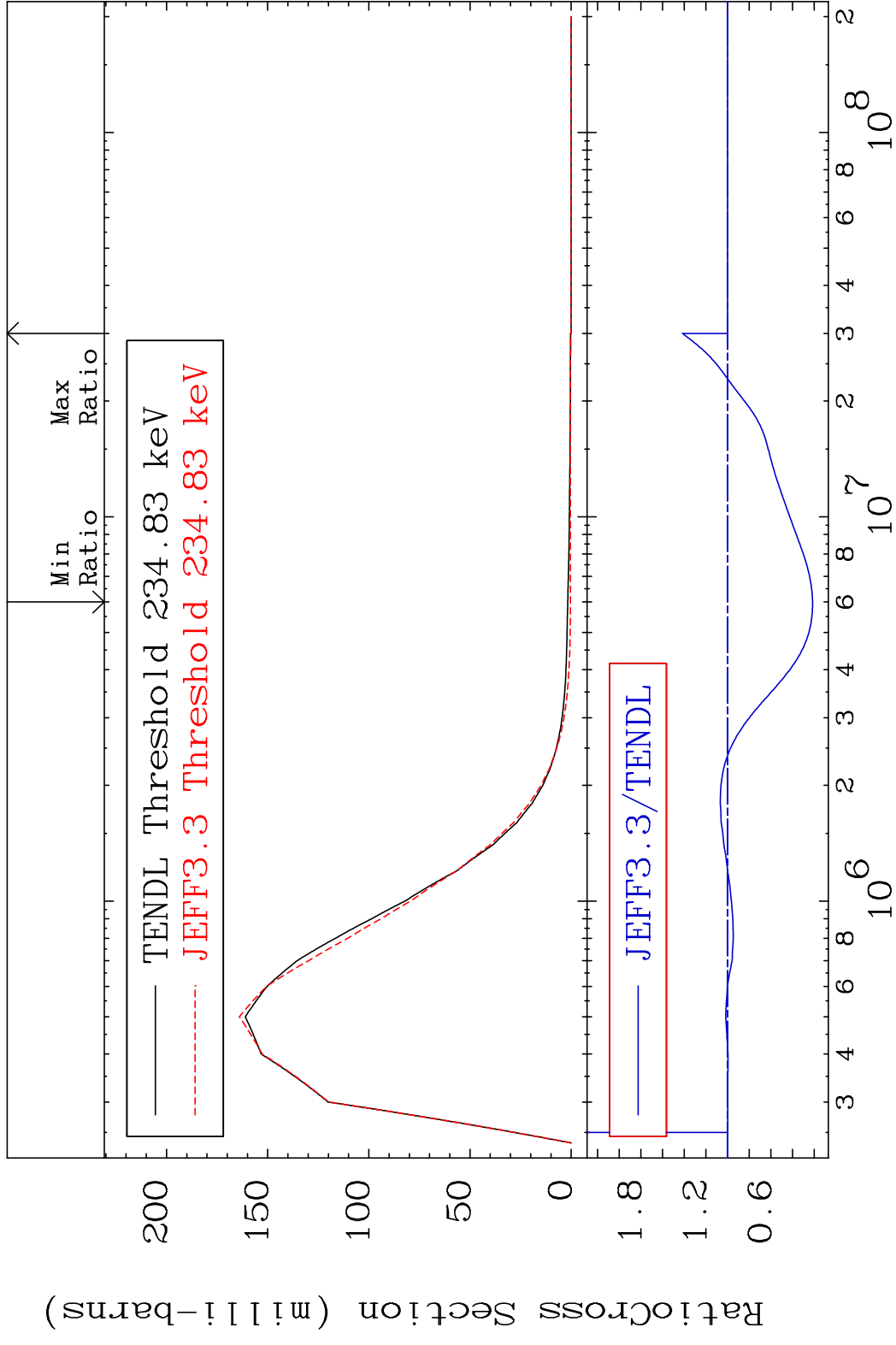


MAT 7640

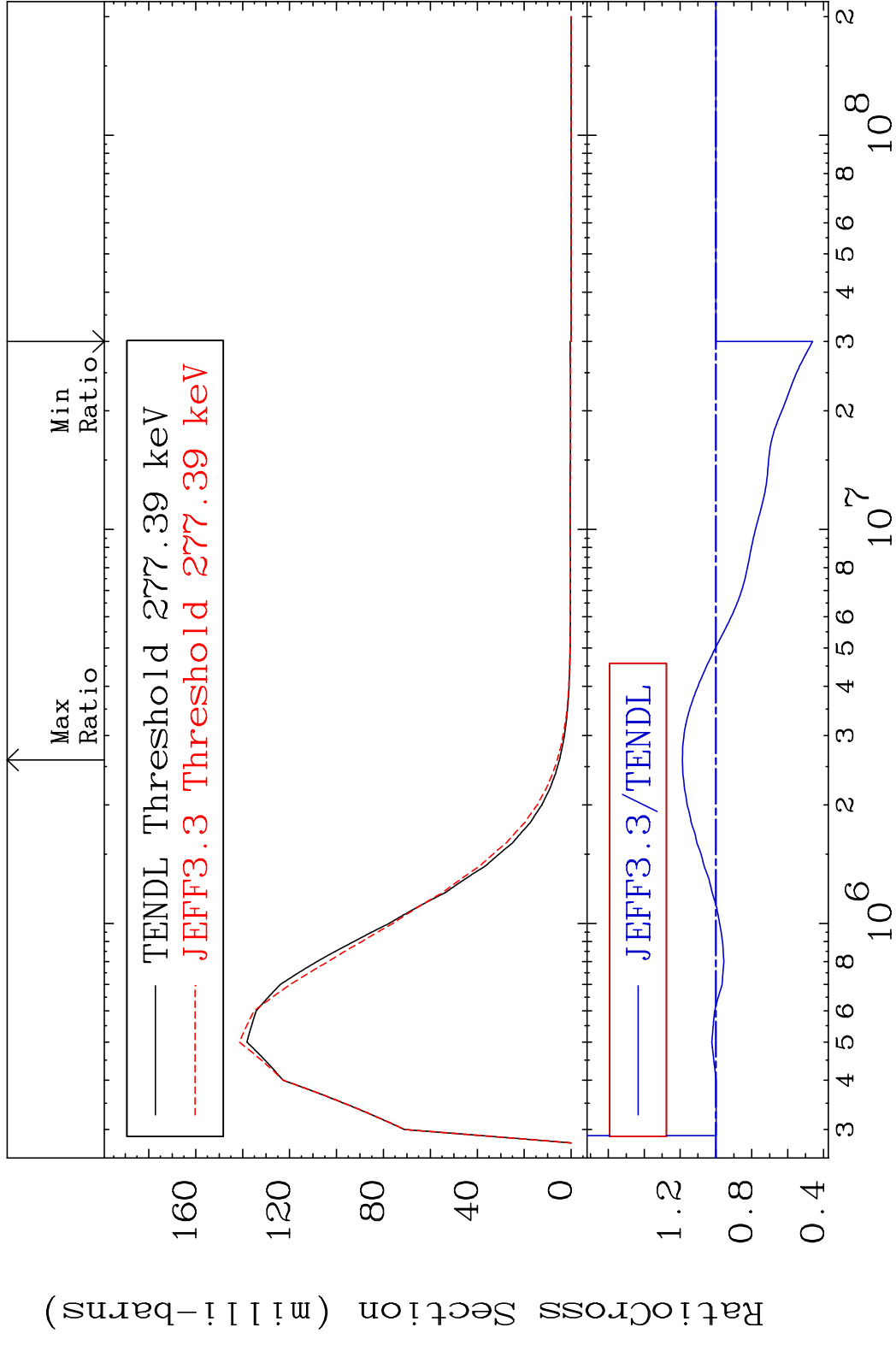
MT= 58 (n, n') Level

76-0s-189

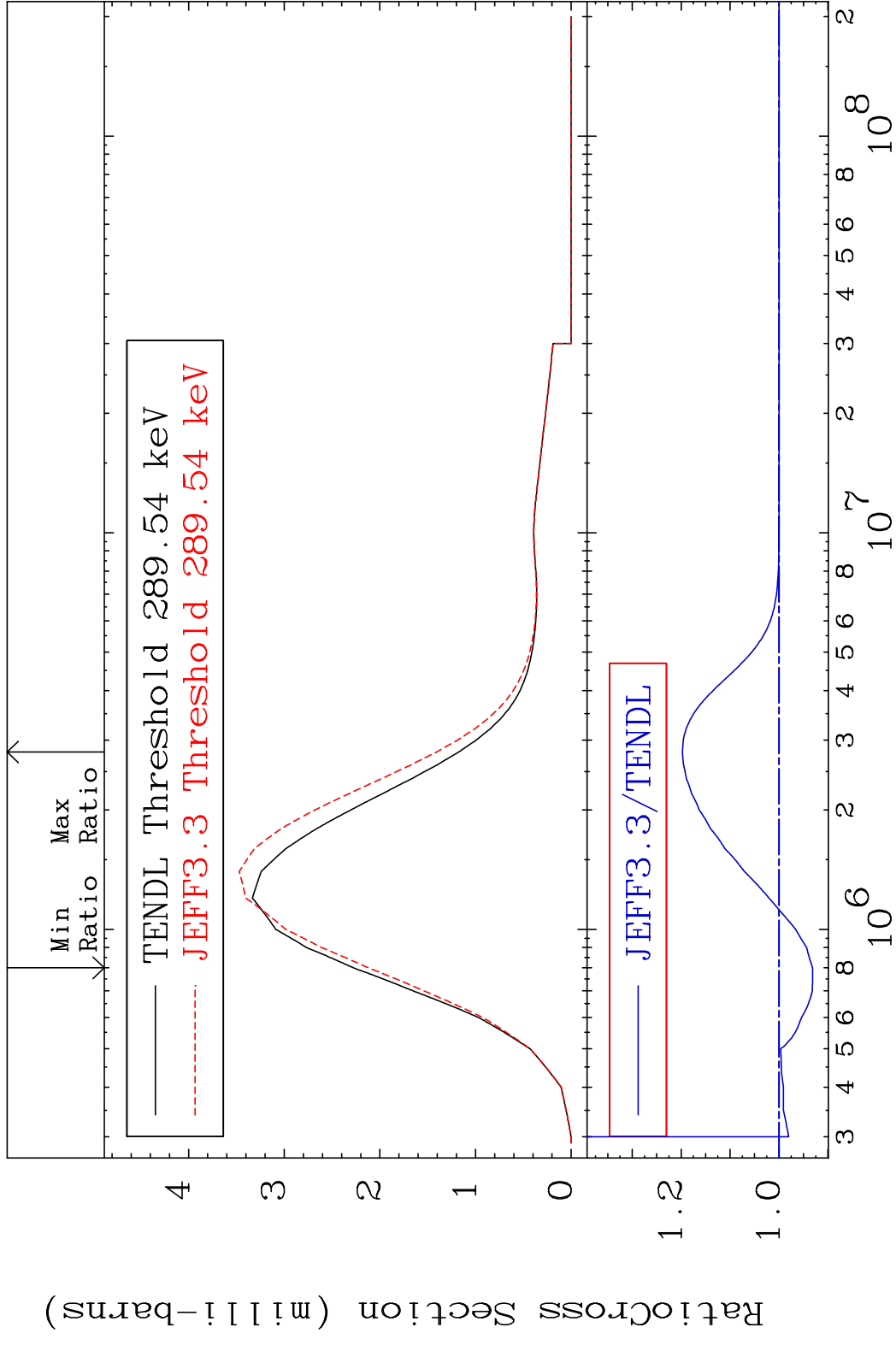
Cross Section -78.42 To 41.76 %



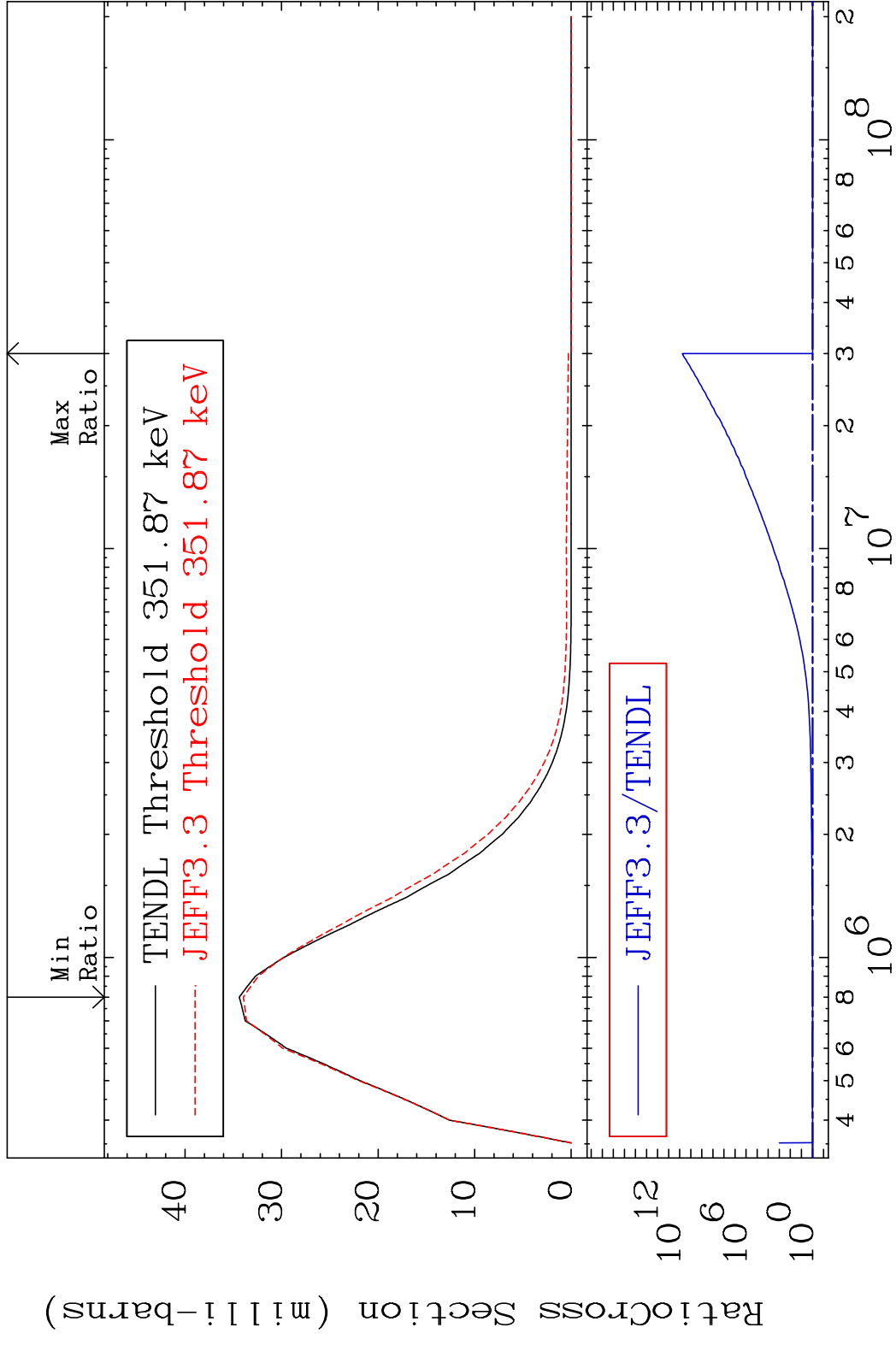
MAT 7640 MT= 59 (n,n') Level 76-0s-189  
 Cross Section -53.89 To 18.73 %



MAT 7640 MT= 60 (n,n') Level 76-0s-189  
 Cross Section -6.851 To 19.75 %

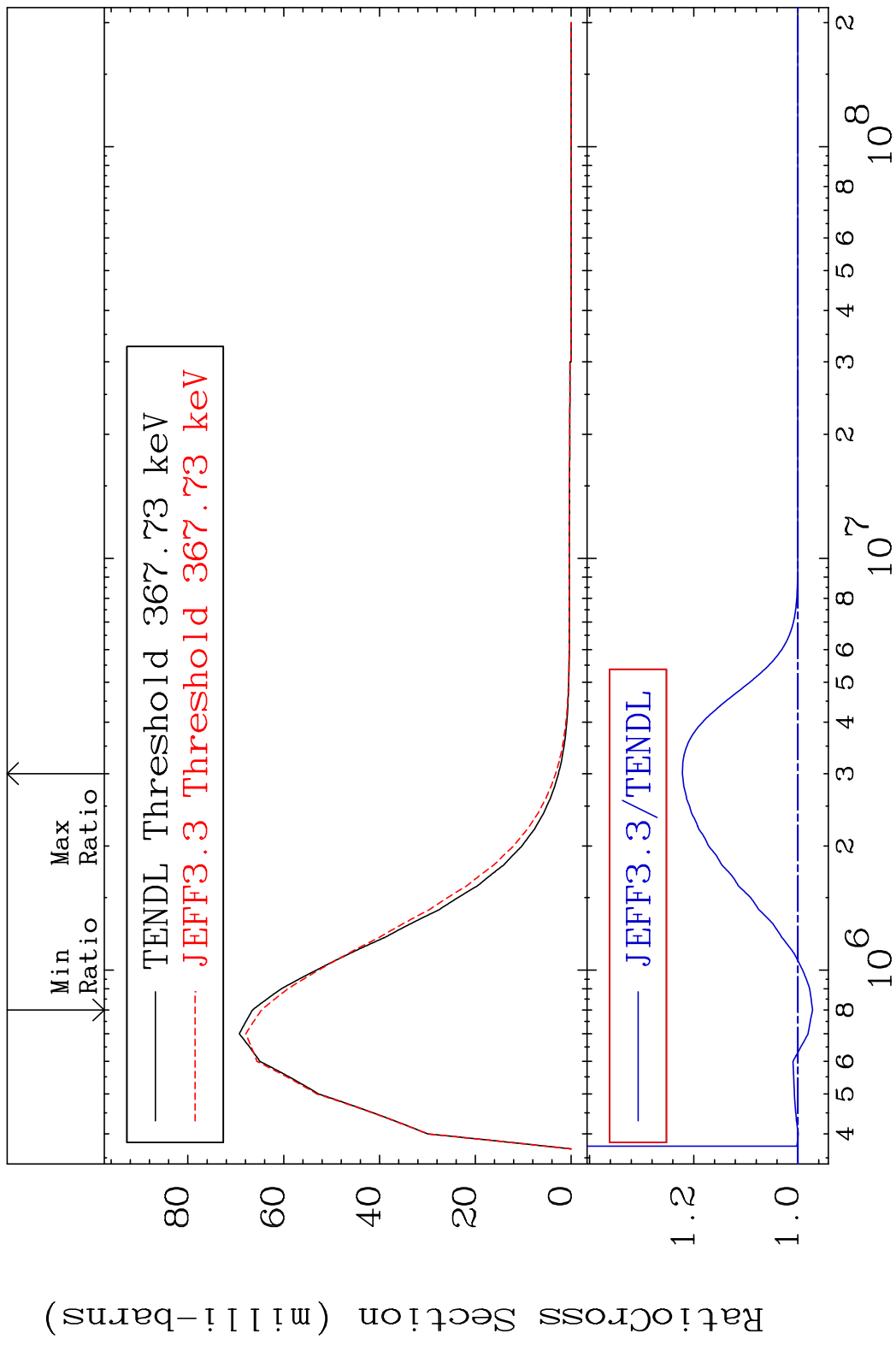


MAT 7640 MT= 61 (n, n') Level 76-0s-189  
 Cross Section -1.210 To 9999. %



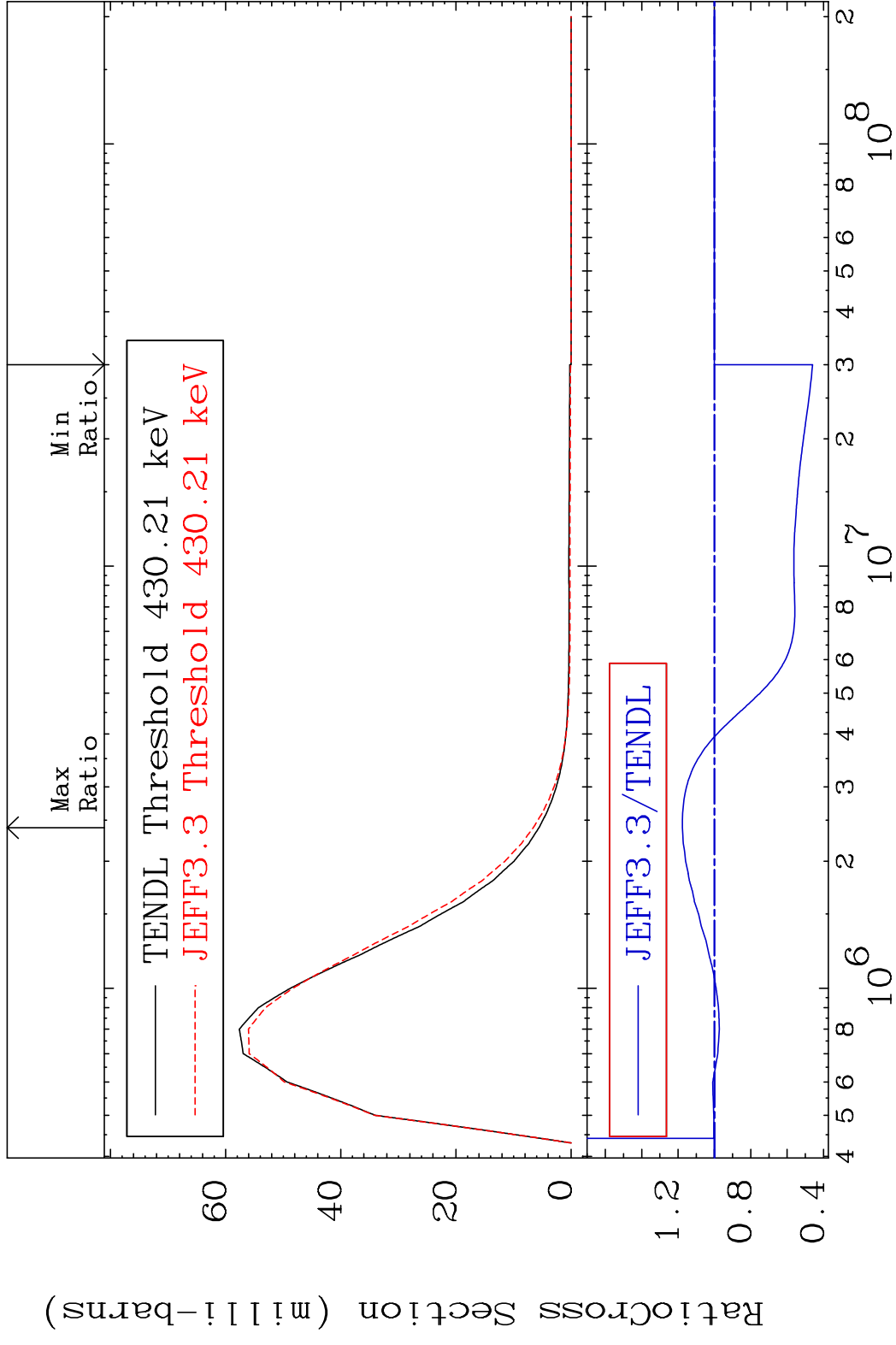
30 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 62 (n, n') Level 76-0s-189  
 Cross Section -2.815 To 22.18 %

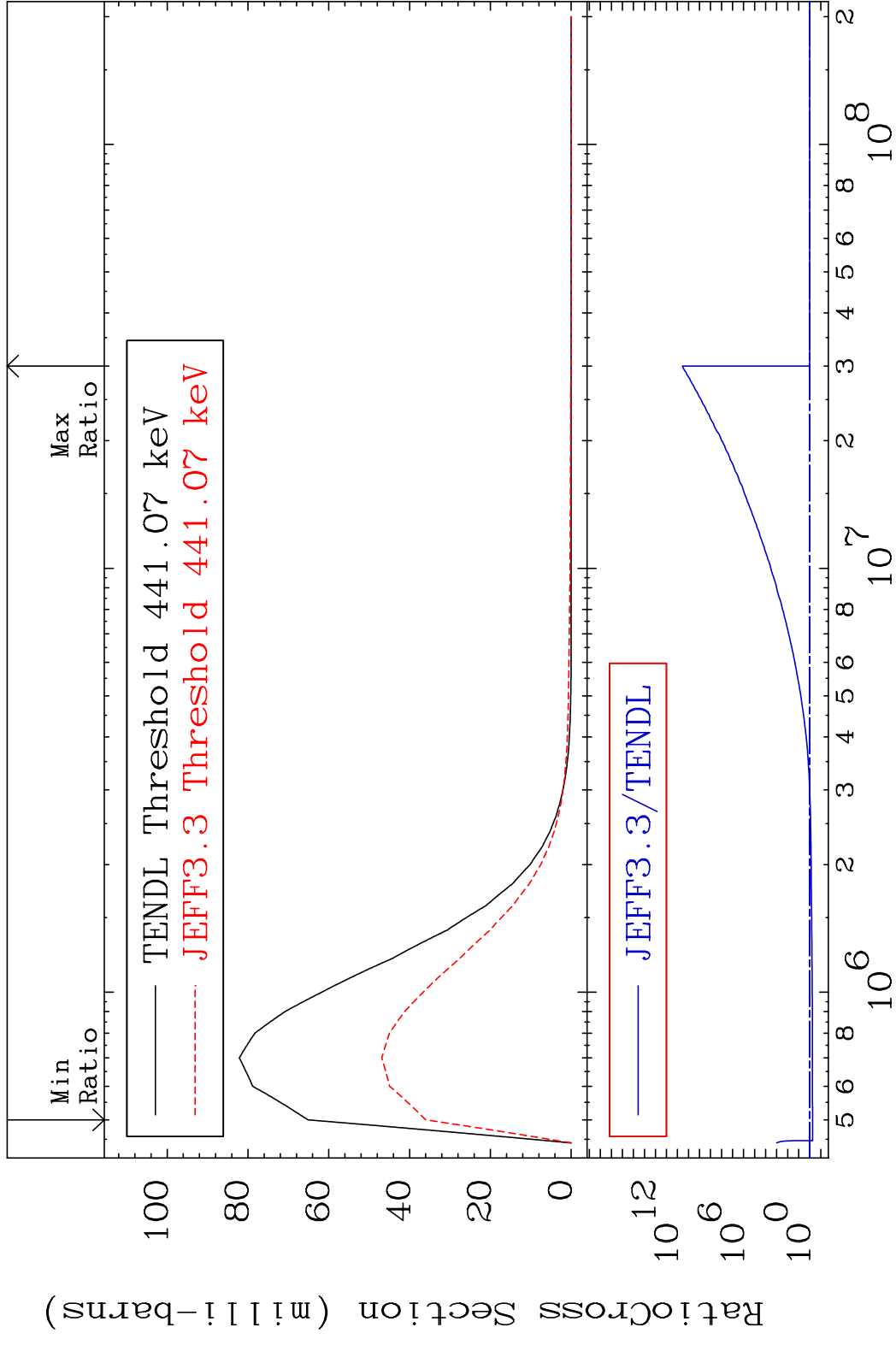




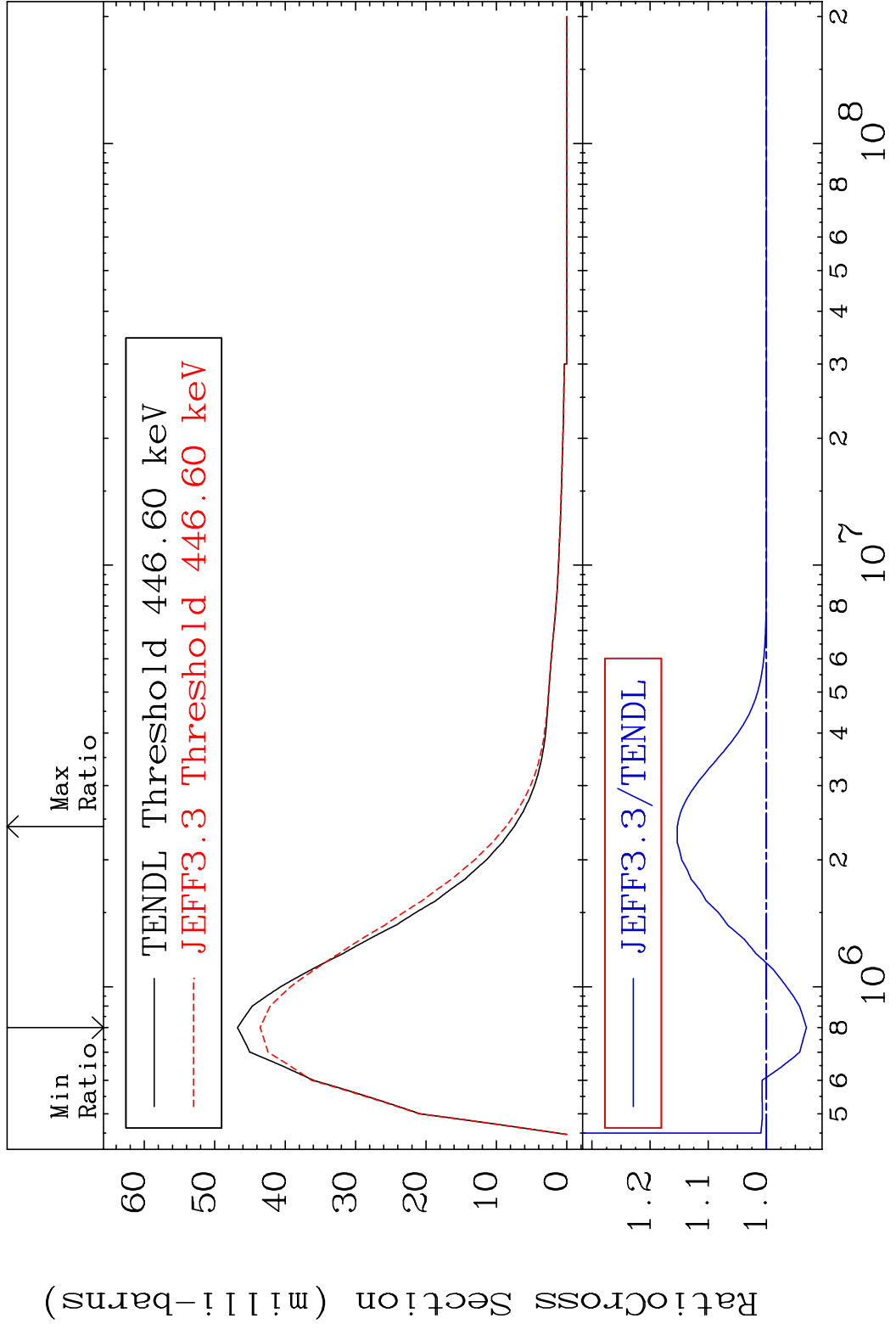
MAT 7640 MT= 63 (n, n') Level 76-0s-189  
 Cross Section -53.97 To 17.63 %



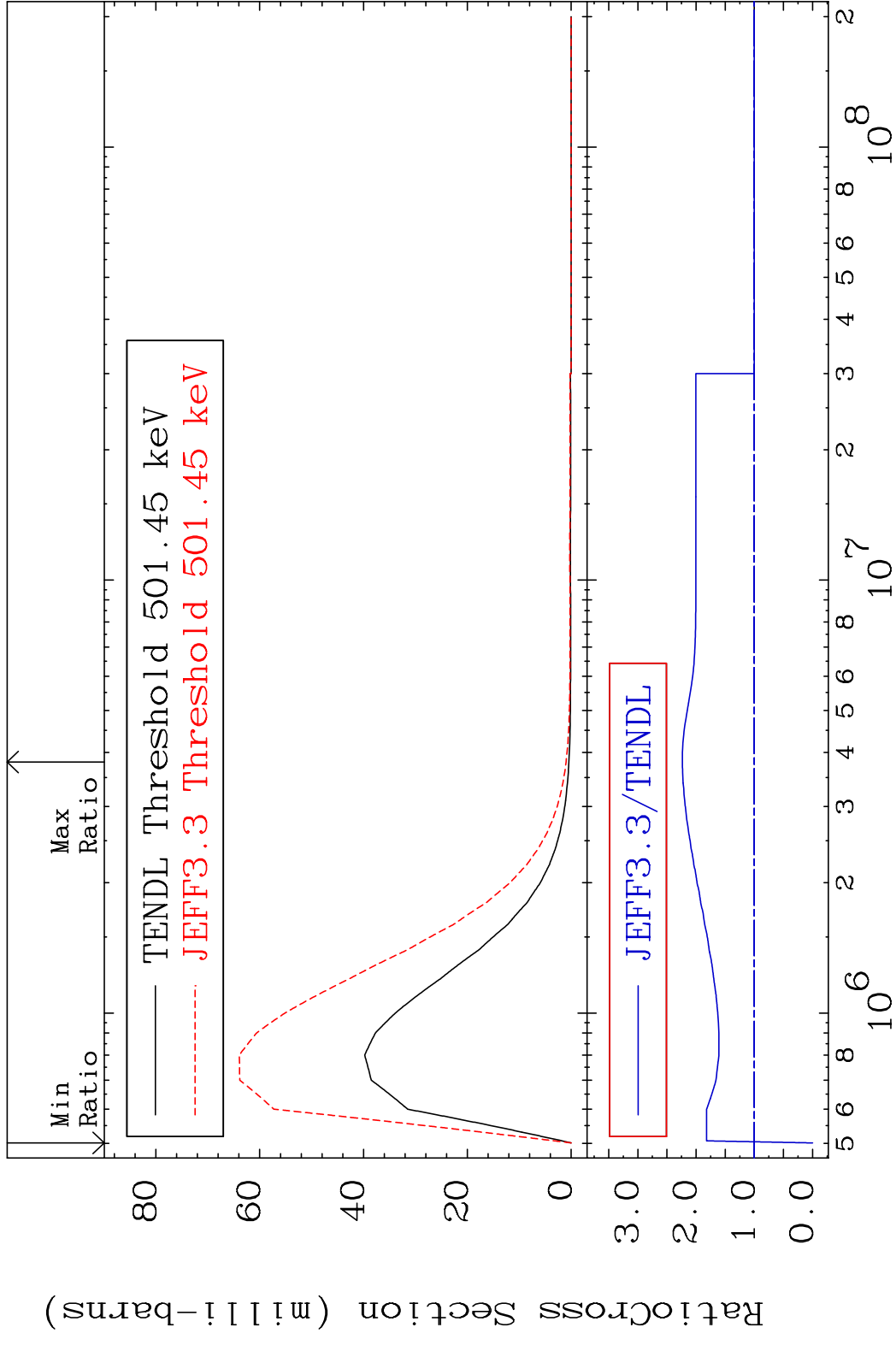
MAT 7640 MT= 64 (n, n') Level 76-0s-189  
 Cross Section -44.71 To 9999. %



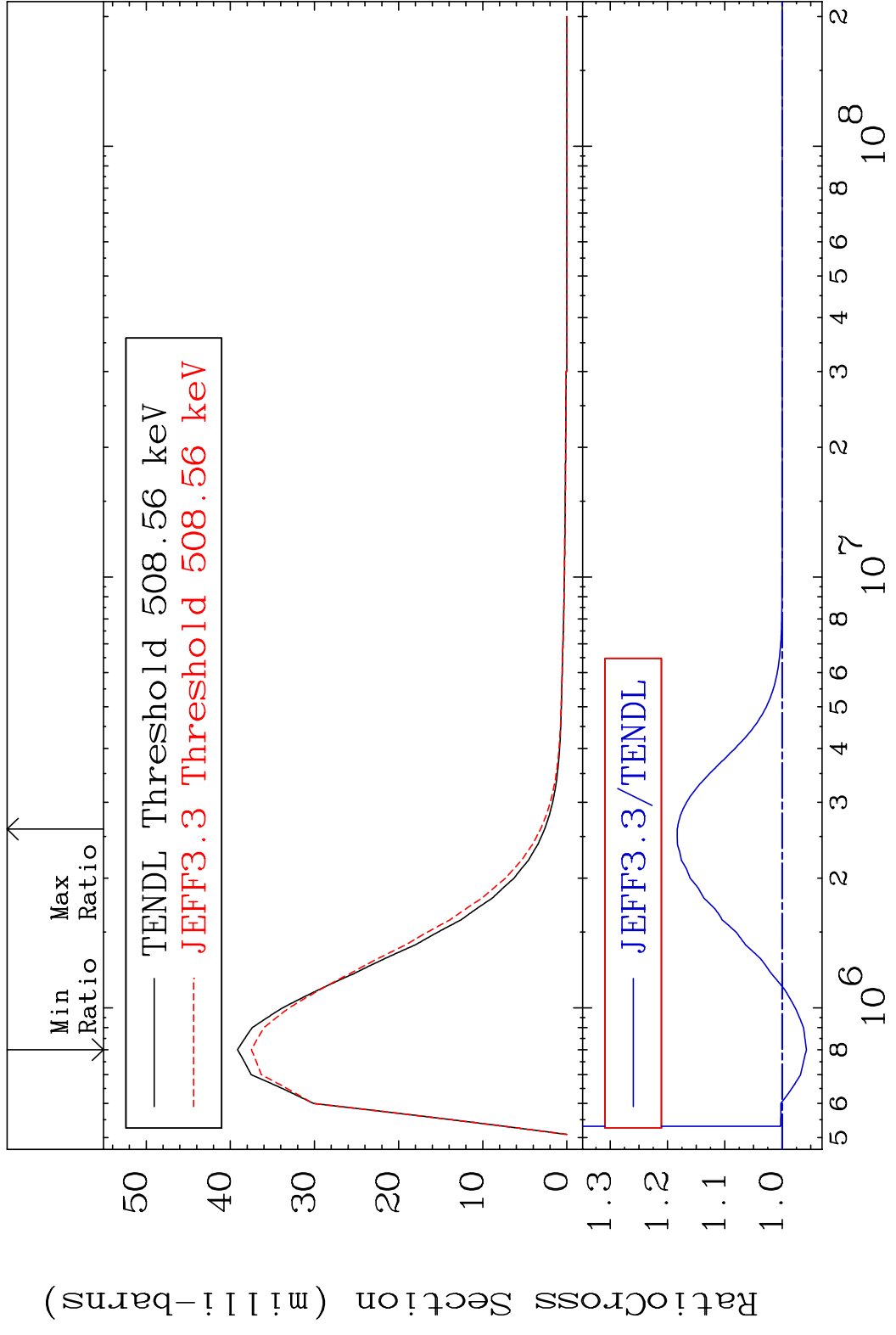
MAT 7640 MT= 65 (n, n') Level 76-0s-189  
 Cross Section -6.881 To 15.34 %



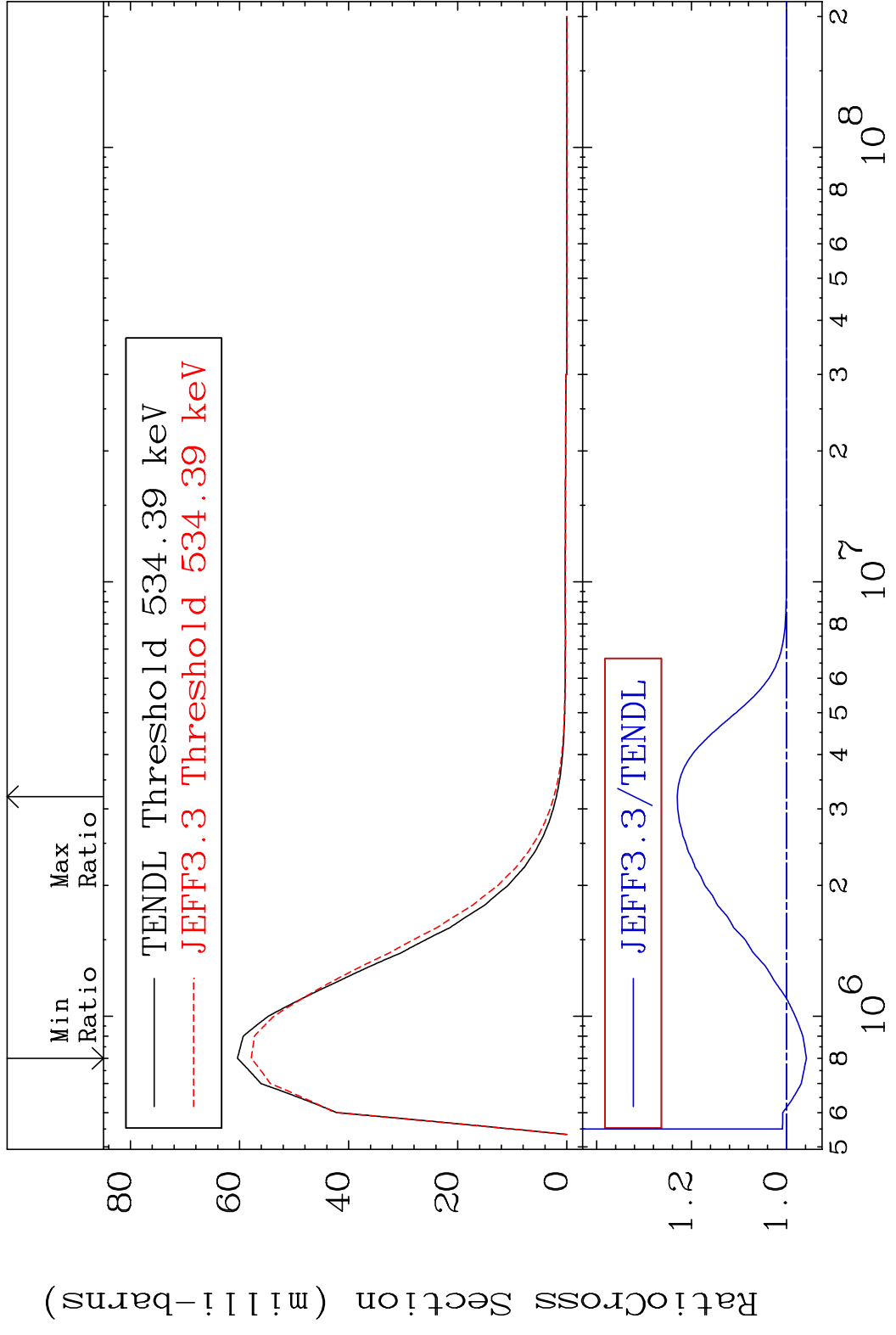
MAT 7640 MT= 66 (n, n') Level 76-0s-189  
 Cross Section -100.0 To 123.5 %



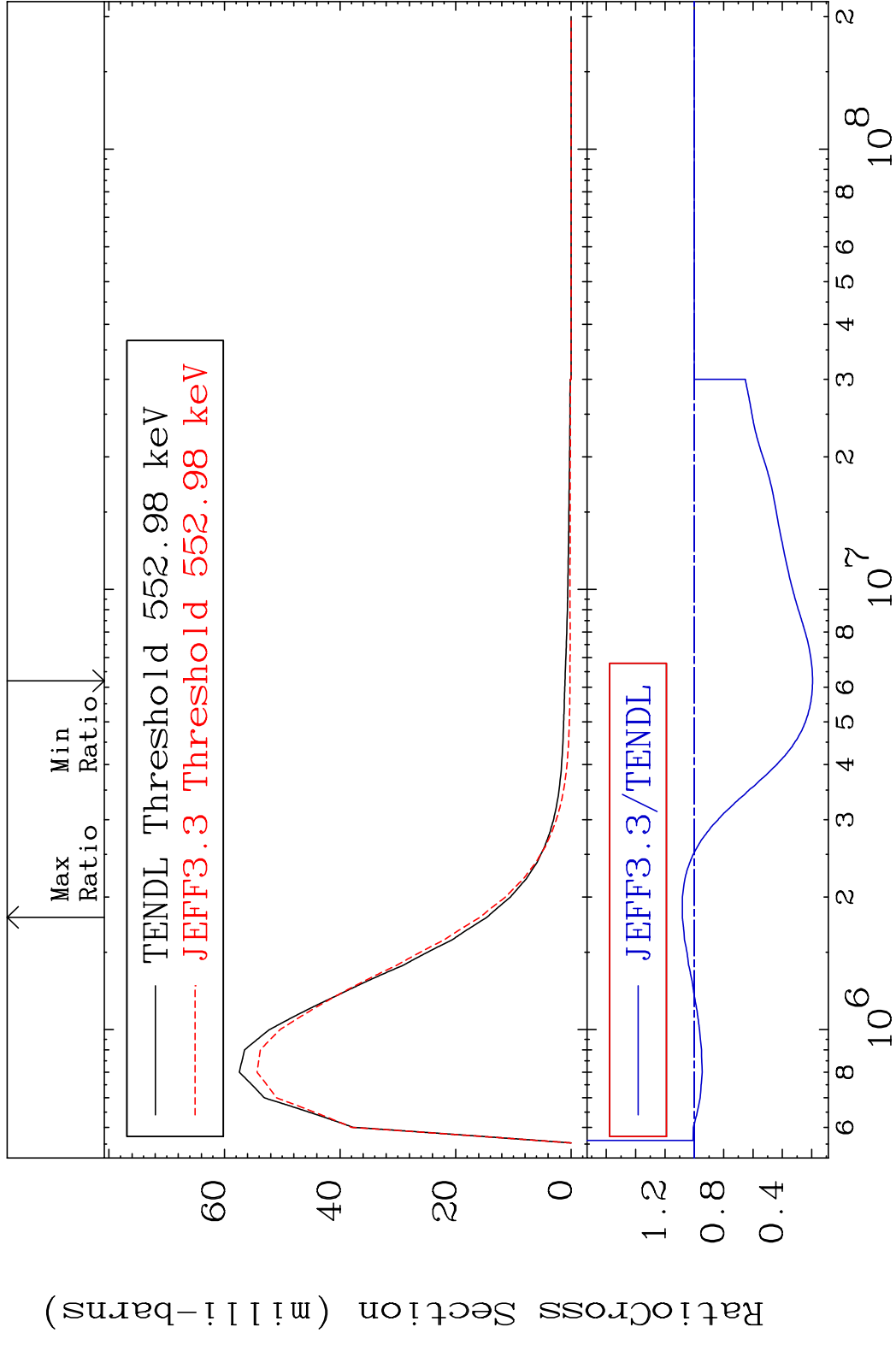
MAT 7640 MT= 67 (n, n') Level 76-0s-189  
 Cross Section -4.230 To 18.32 %



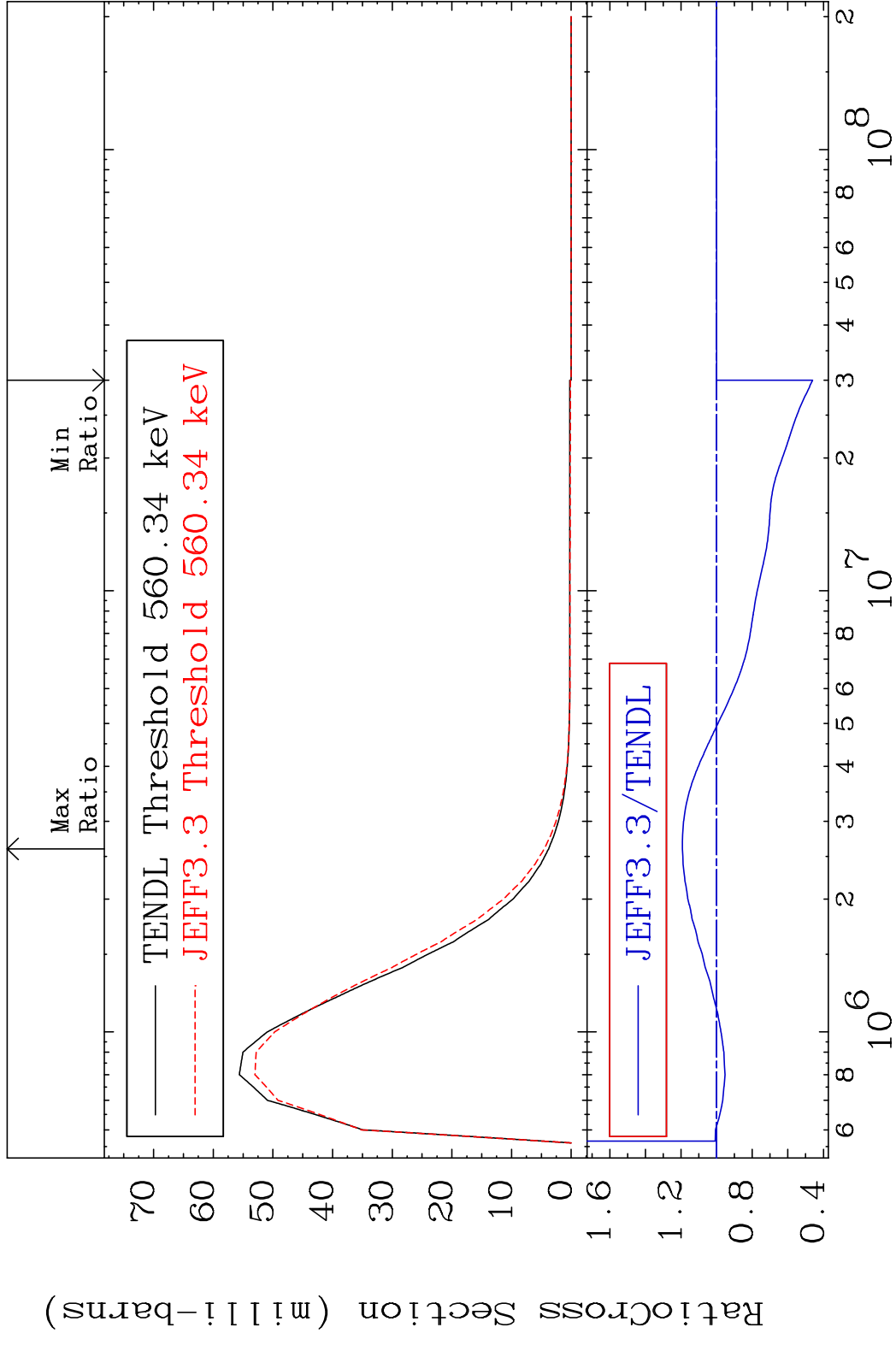
MAT 7640 MT= 68 (n, n') Level 76-0s-189  
 Cross Section -4.196 To 23.02 %



MAT 7640 MT= 69 (n, n') Level 76-0s-189  
 Cross Section -80.58 To 8.154 %

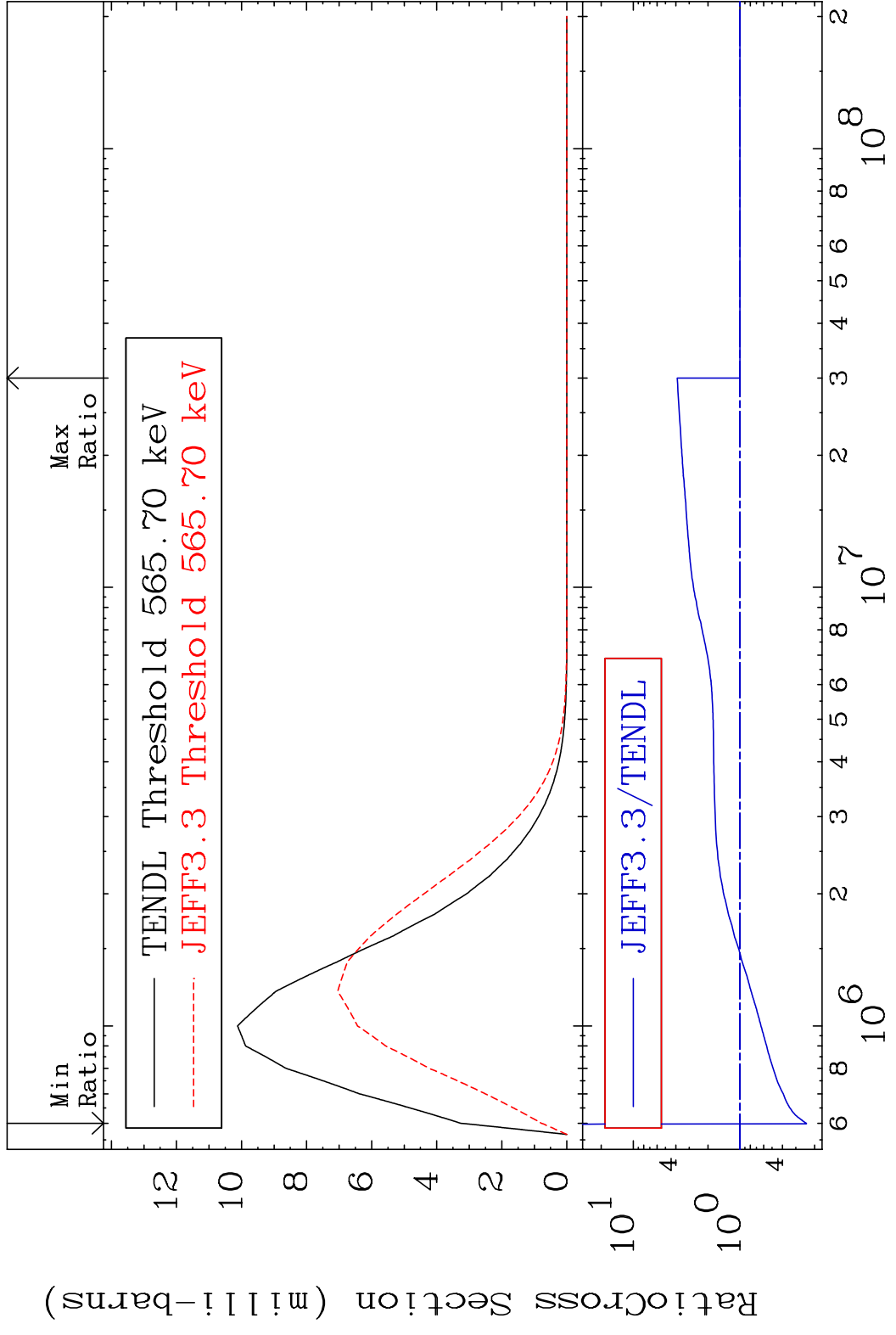


MAT 7640 MT= 70 (n,n') Level 76-0s-189  
 Cross Section -53.88 To 19.26 %



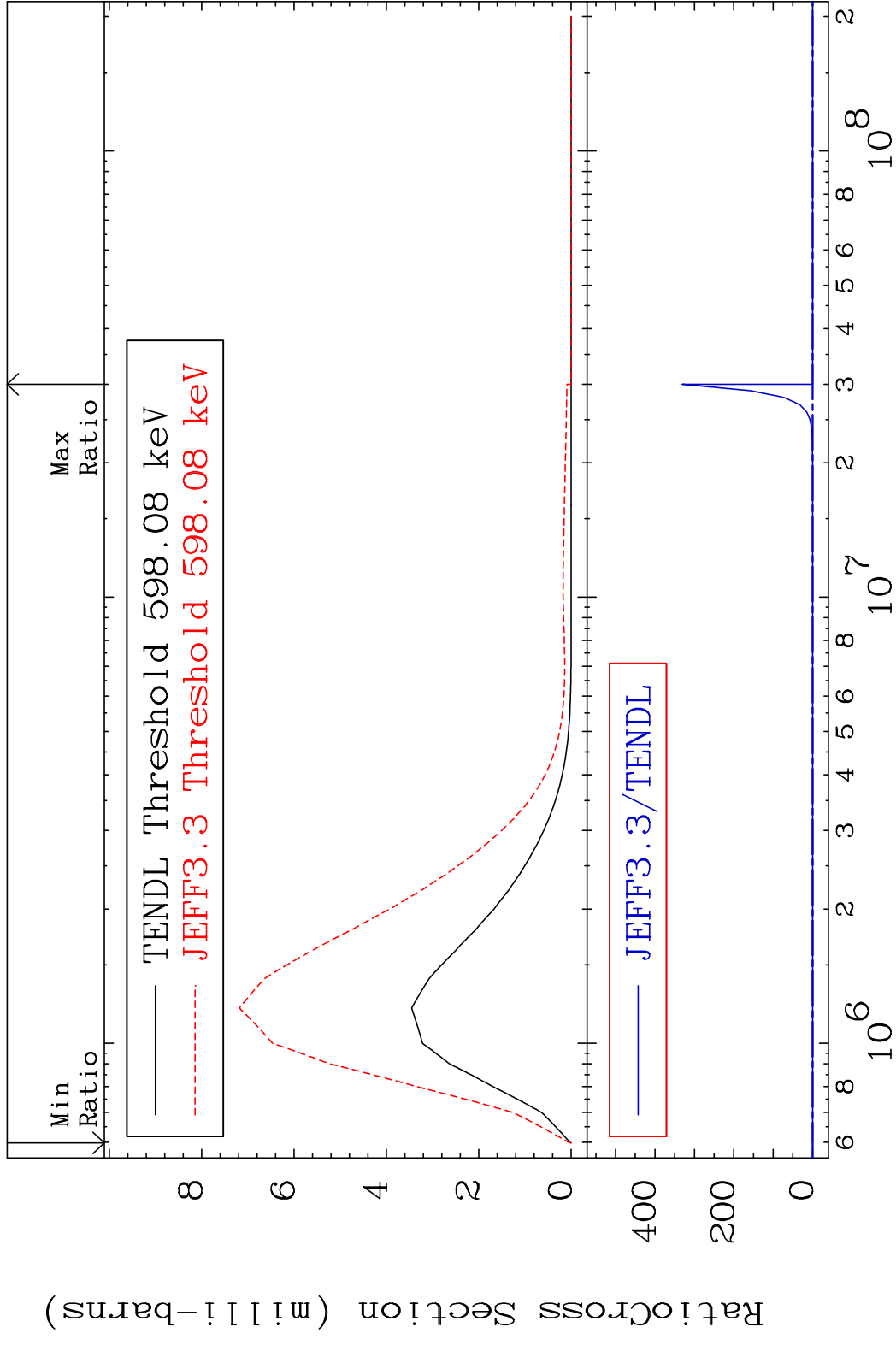


MAT 7640 MT= 71 (n, n') Level 76-0s-189  
 Cross Section -76.13 To 288.0 %

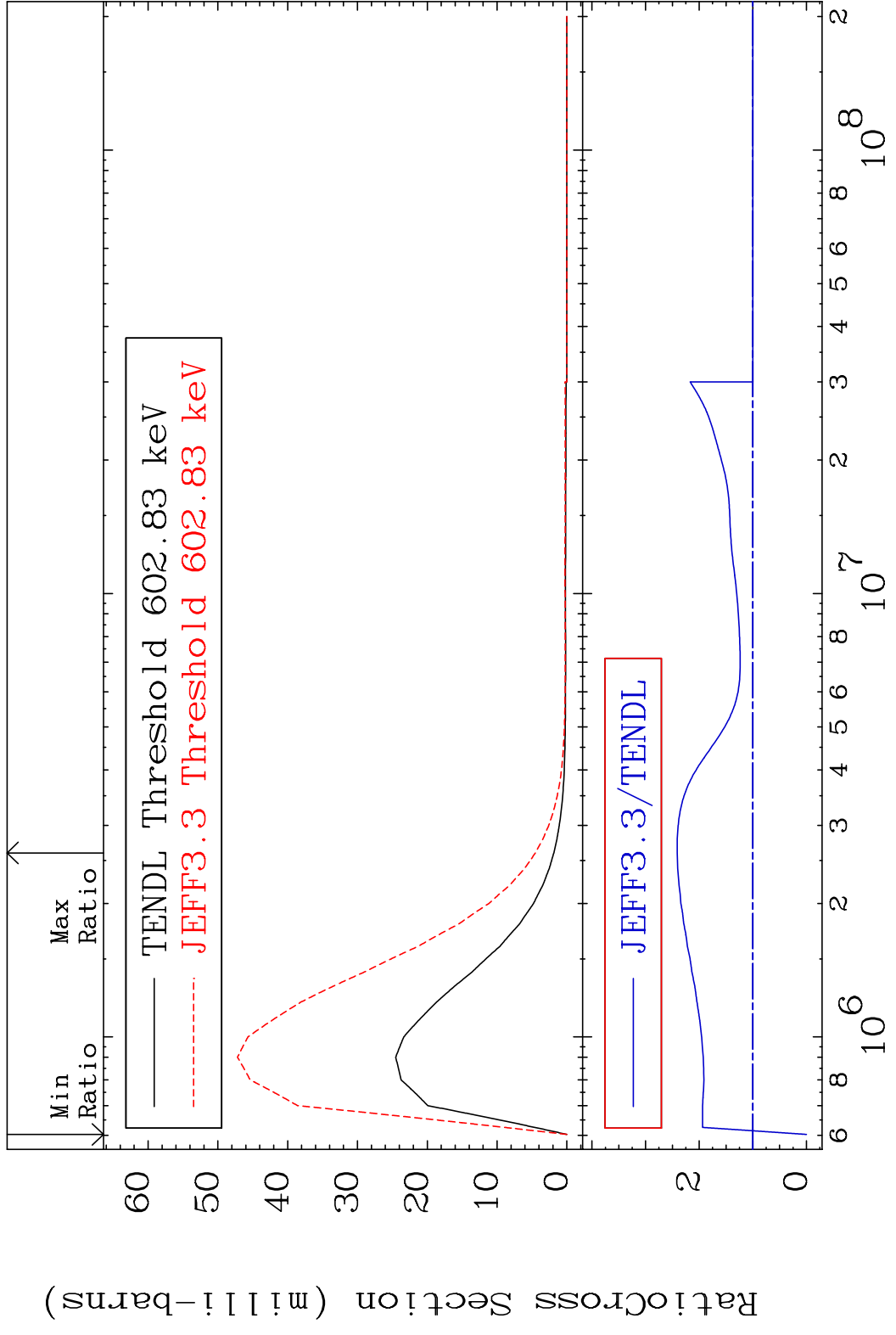


40 Incident Energy (eV) 76-0s-189

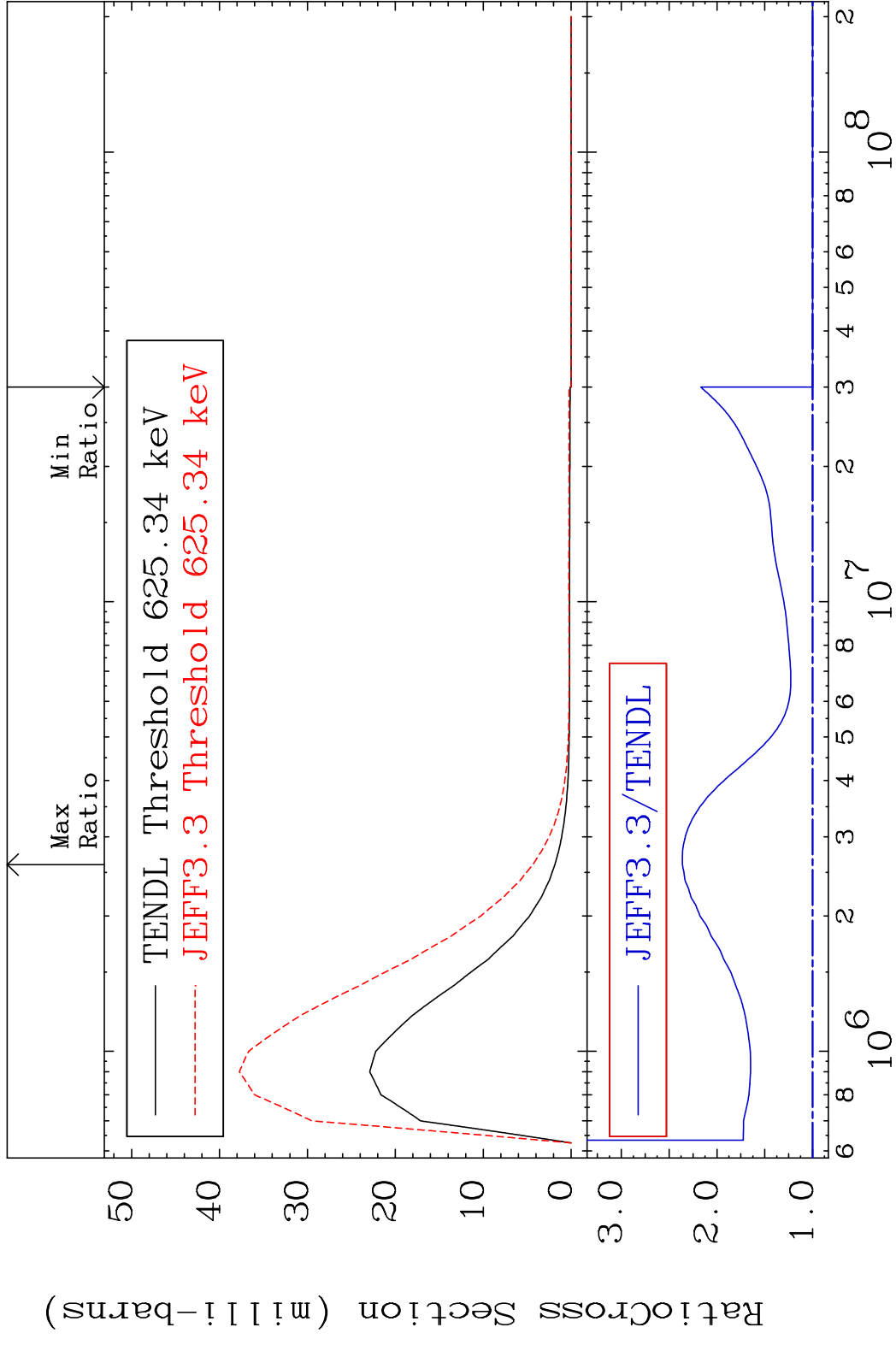
MAT 7640 MT= 72 (n, n') Level 76-0s-189  
 Cross Section -100.0 To 9999. %



MAT 7640 MT= 73 (n, n') Level 76-Os-189  
 Cross Section -100.0 To 141.1 %

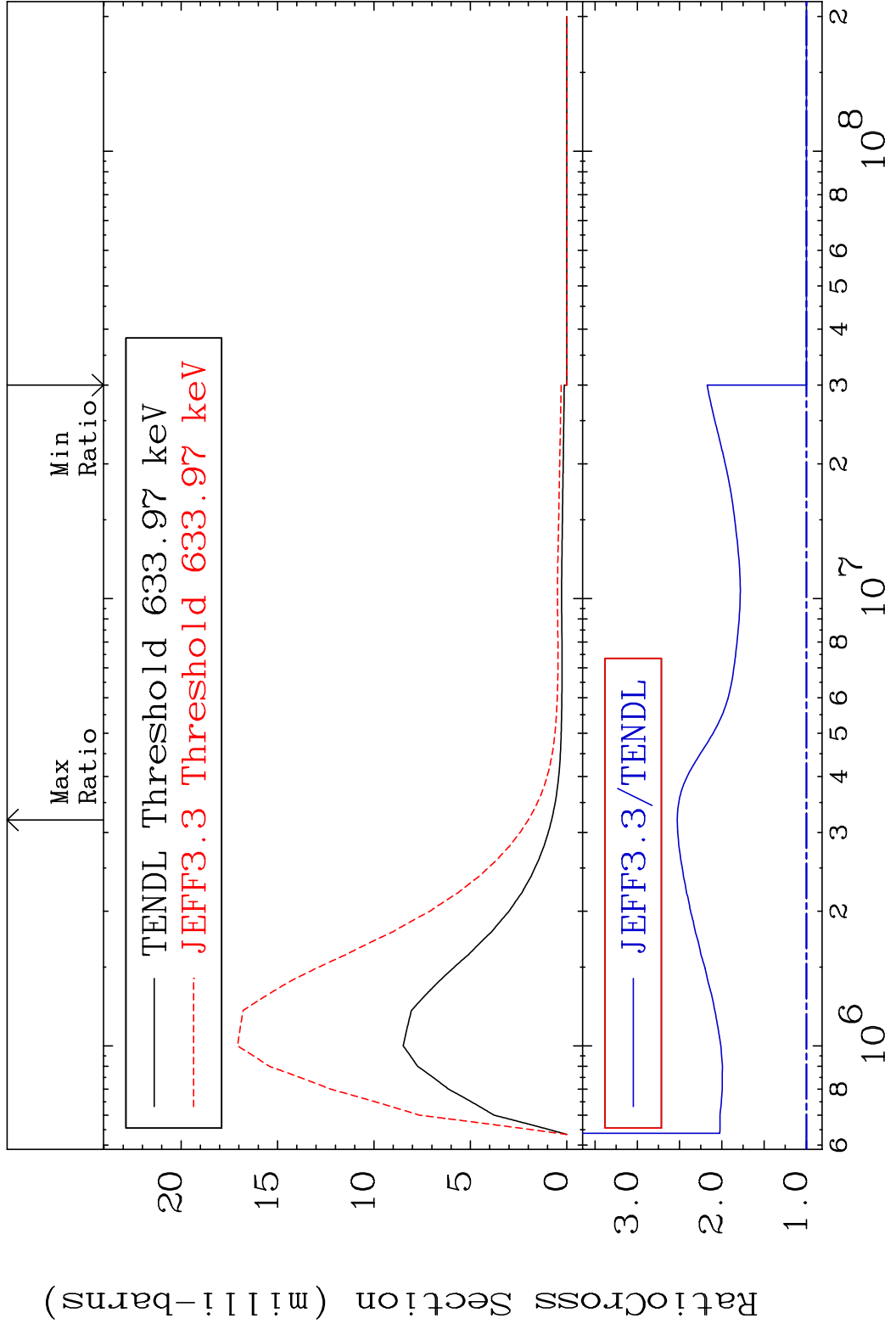


MAT 7640 MT= 74 (n, n') Level 76-0s-189  
 Cross Section 0.000 To 136.2 %

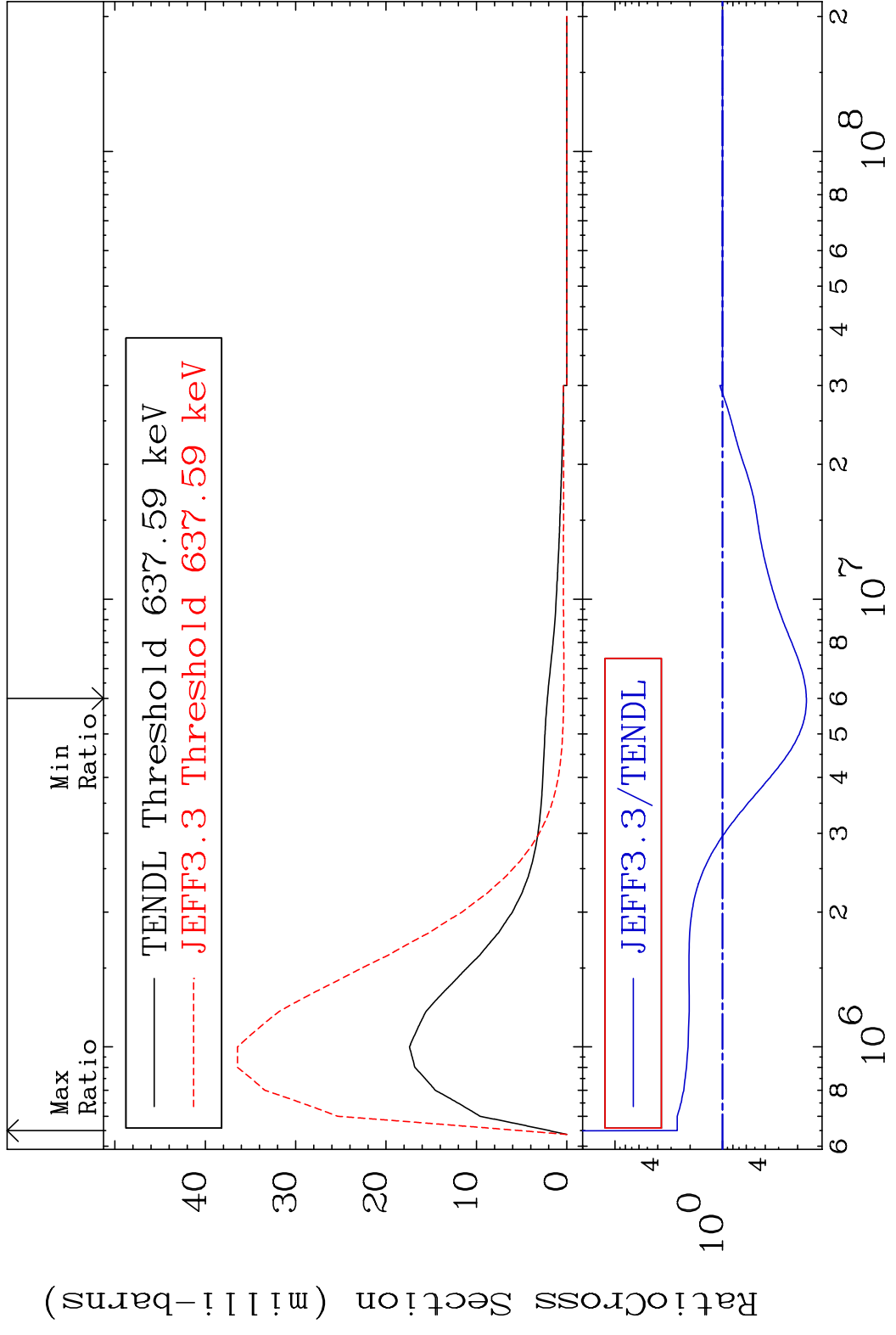


43 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 75 (n, n') Level 76-0s-189  
 Cross Section 0.000 To 152.8 %

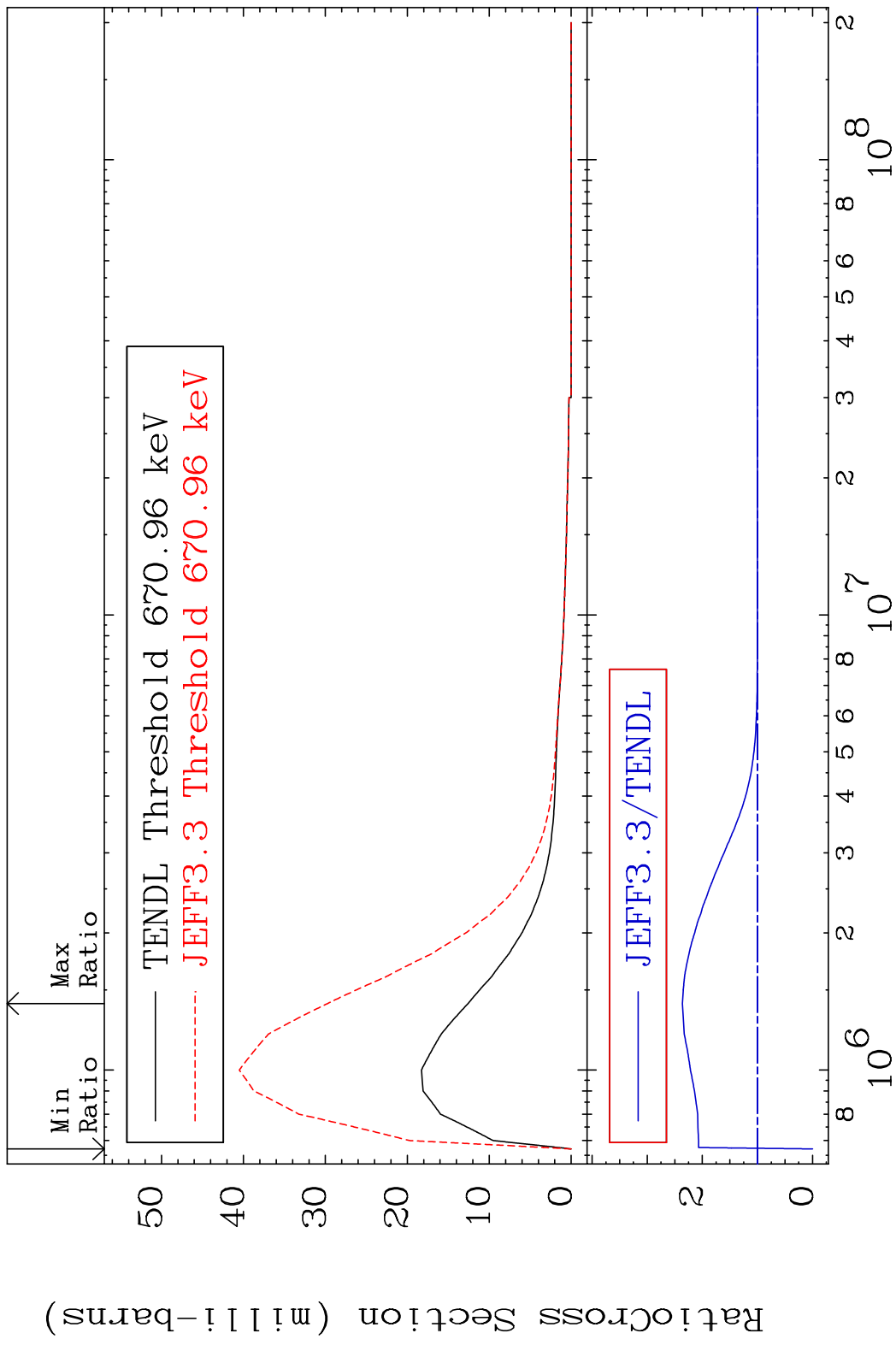


MAT 7640 MT= 76 (n,n') Level 76-0s-189  
 Cross Section -83.46 To 164.0 %



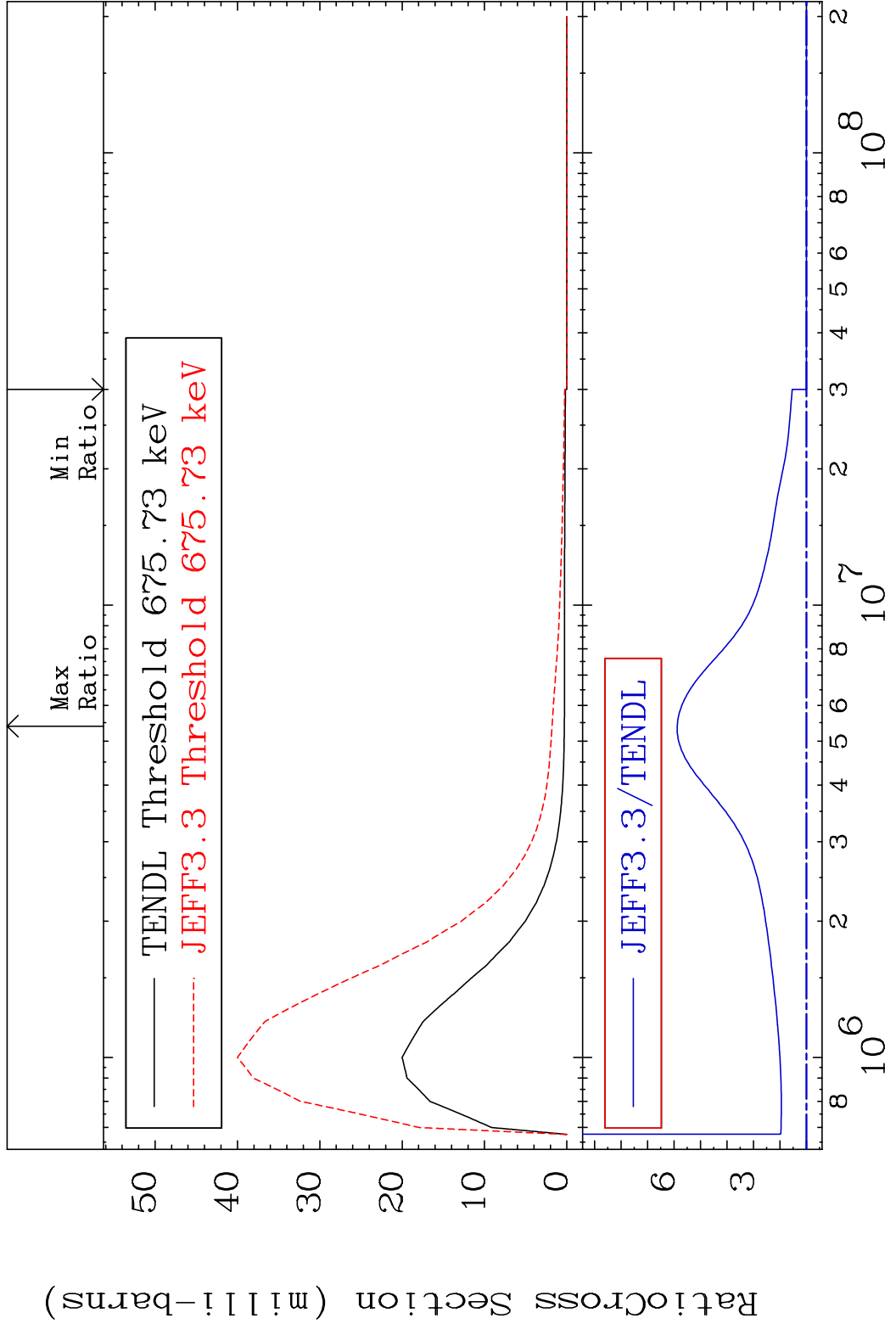
45 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 77 (n, n') Level 76-0s-189  
 Cross Section -100.0 To 136.3 %



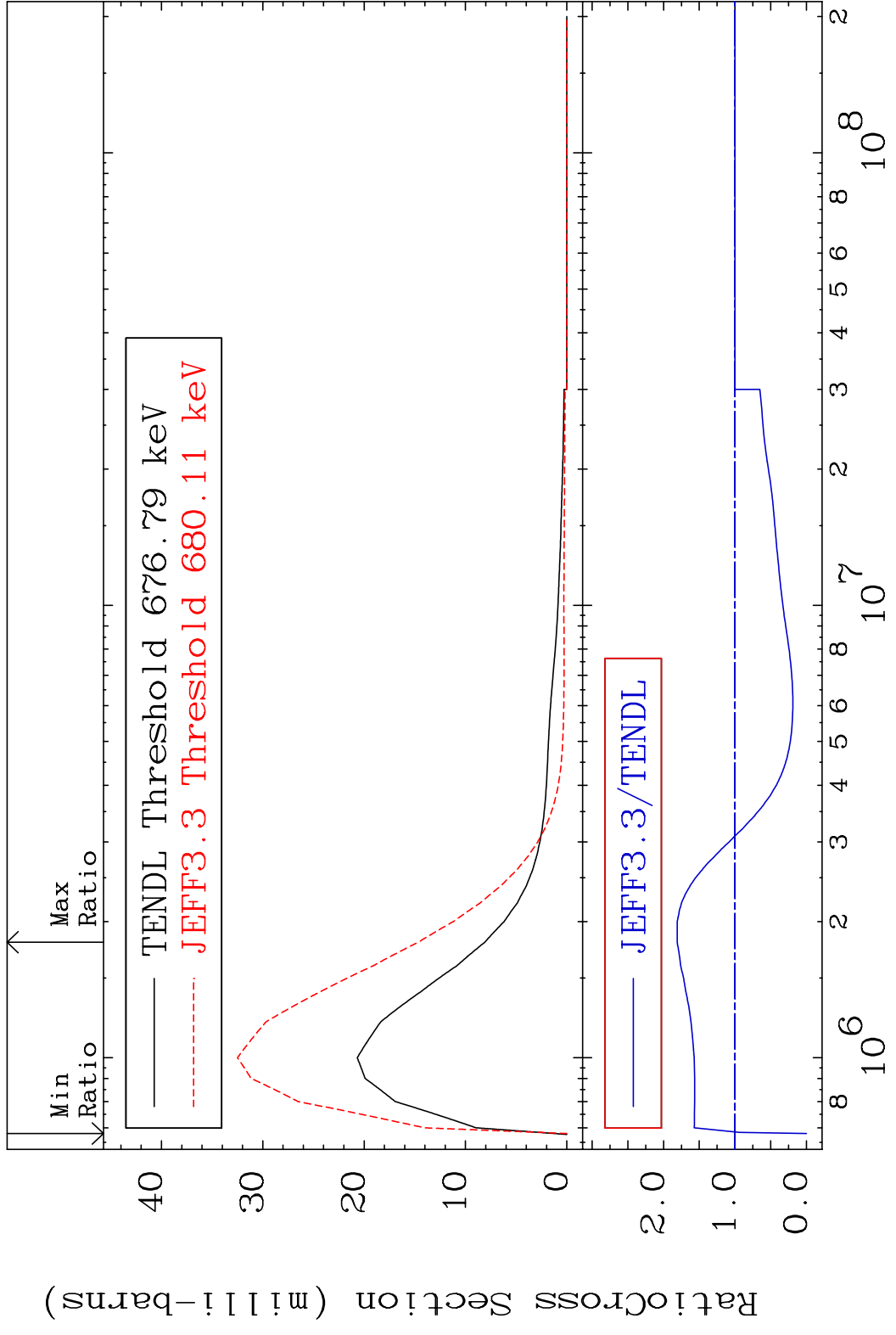
46 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 78 (n,n') Level 76-0s-189  
 Cross Section 0.000 To 488.0 %

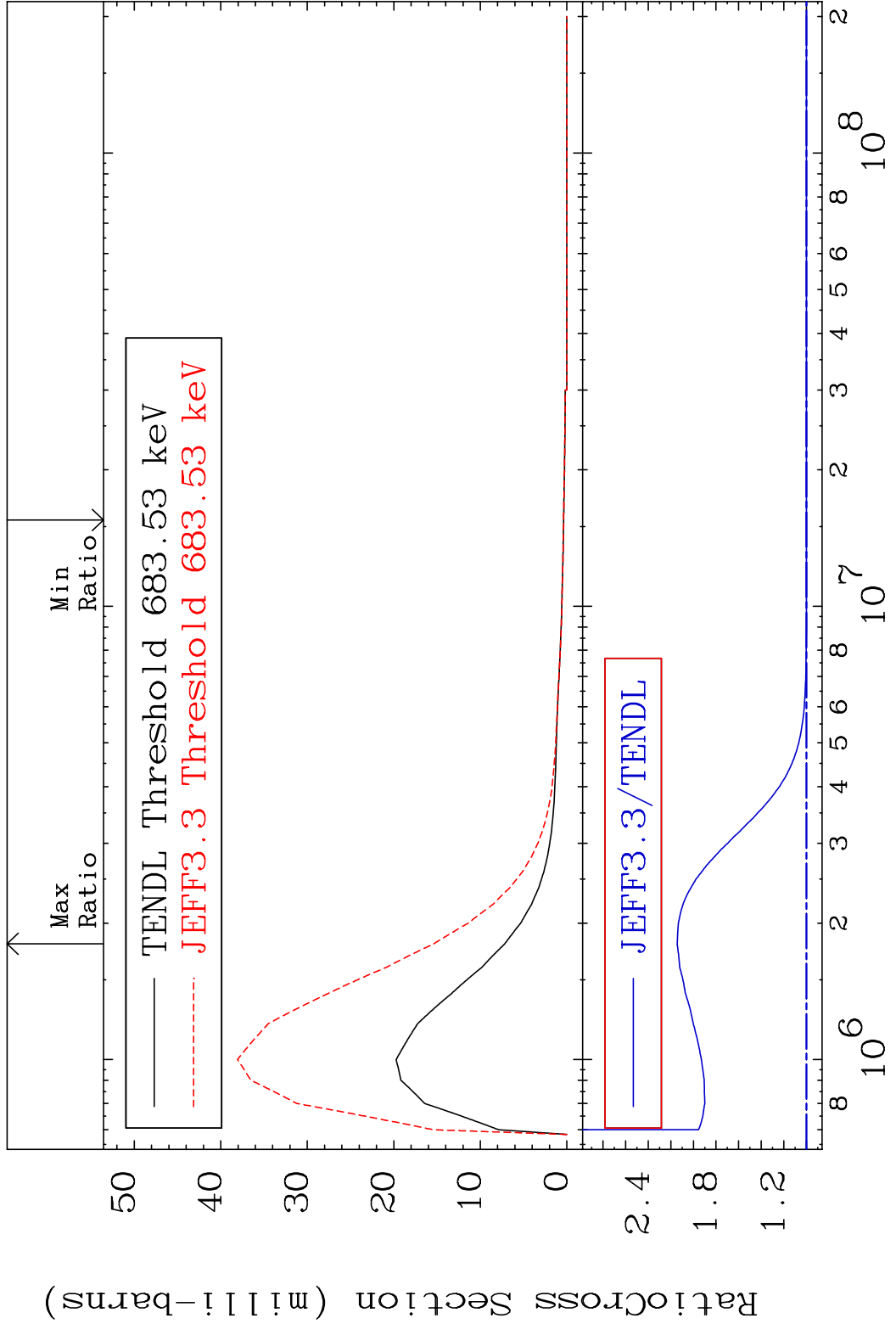




MAT 7640 MT= 79 (n, n') Level 76-0s-189  
 Cross Section -100.0 To 80.92 %



MAT 7640 MT= 80 (n, n') Level 76-0s-189  
 Cross Section 0.000 To 114.4 %

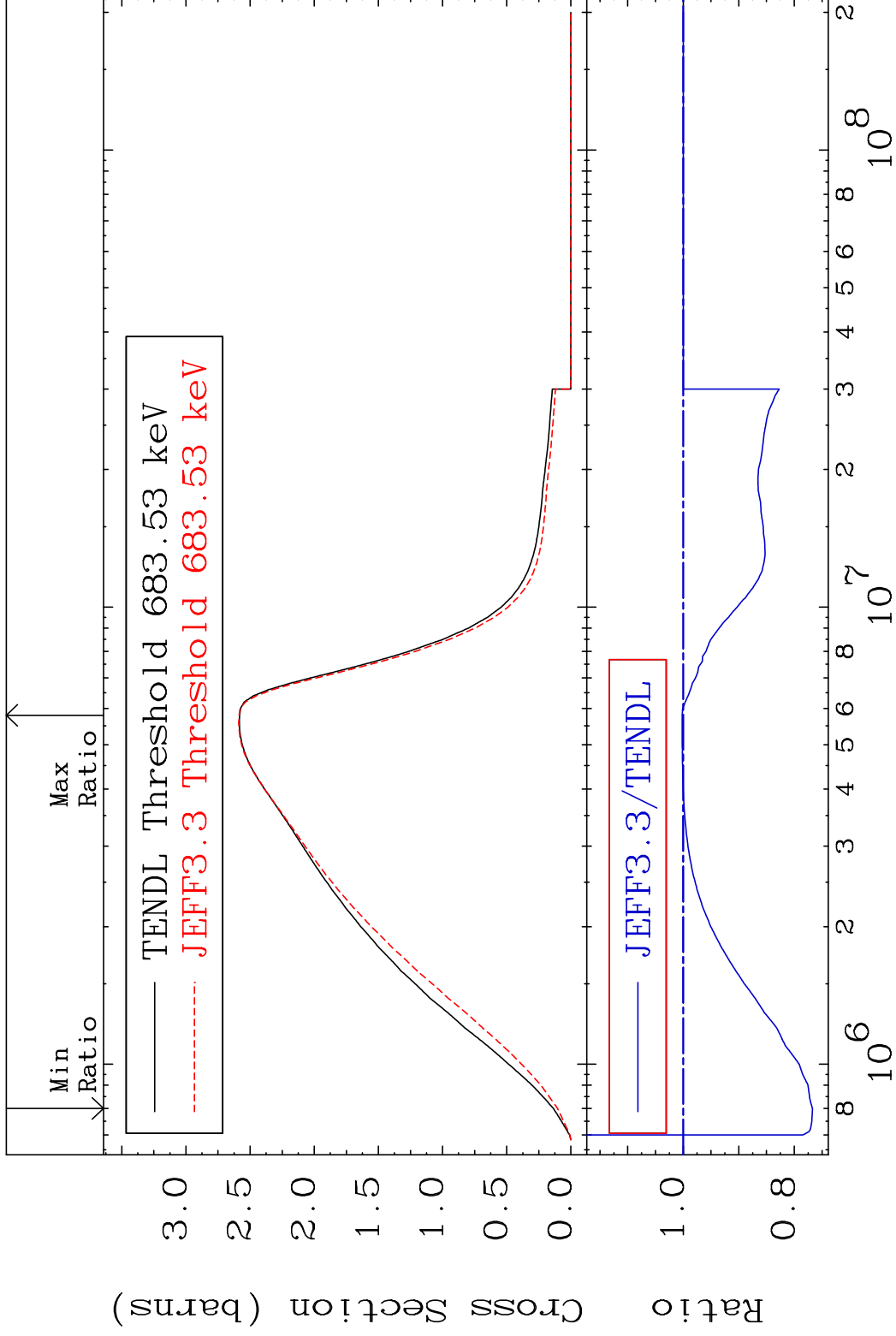


MAT 7640

(n, n') Continuum

76-0s-189

Cross Section -23.28 To 0.194 %



50

Incident Energy (eV)

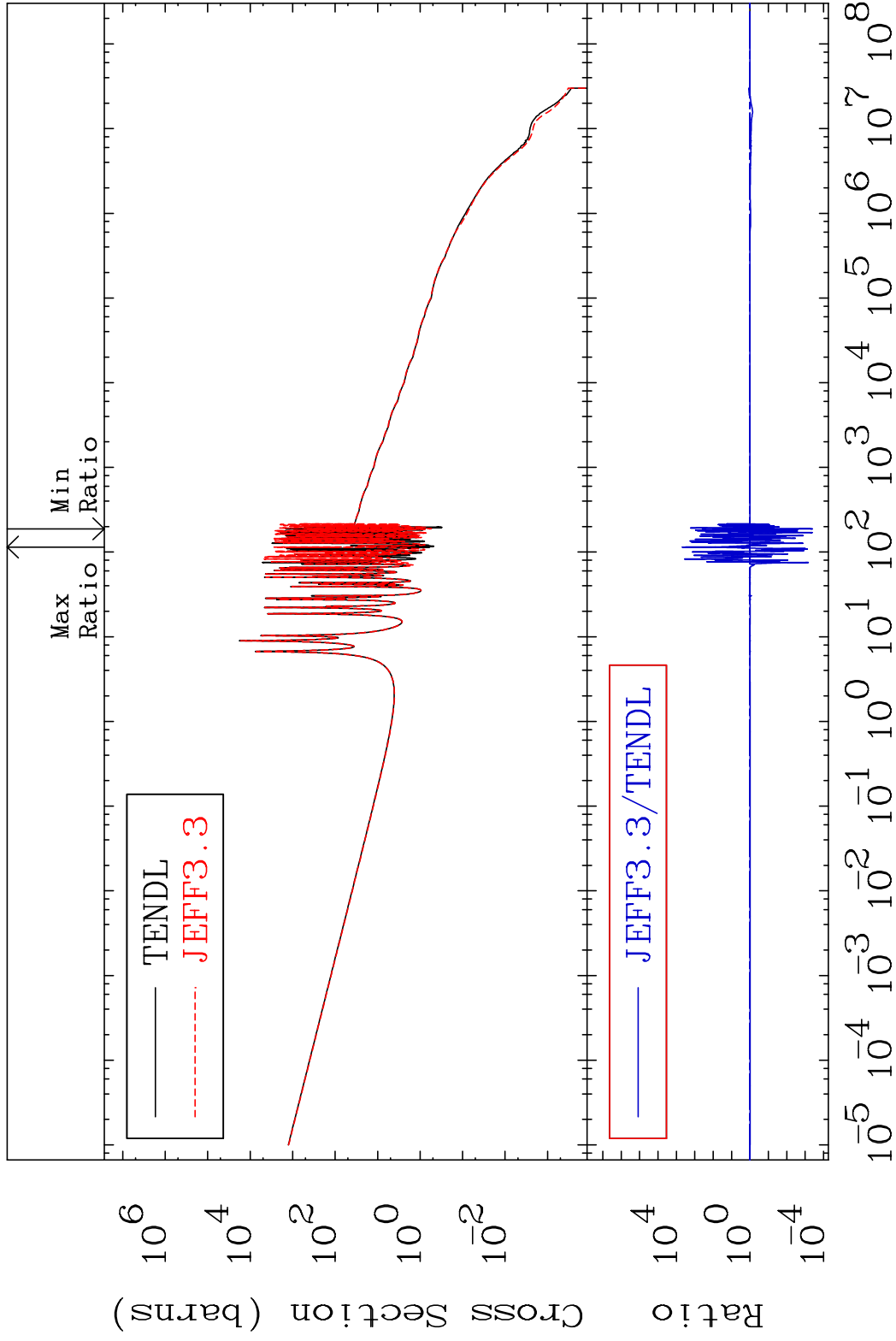
76-0s-189

MAT 7640

(n,  $\gamma$ )

76-0s-189

Cross Section -99.96 To 9999. %

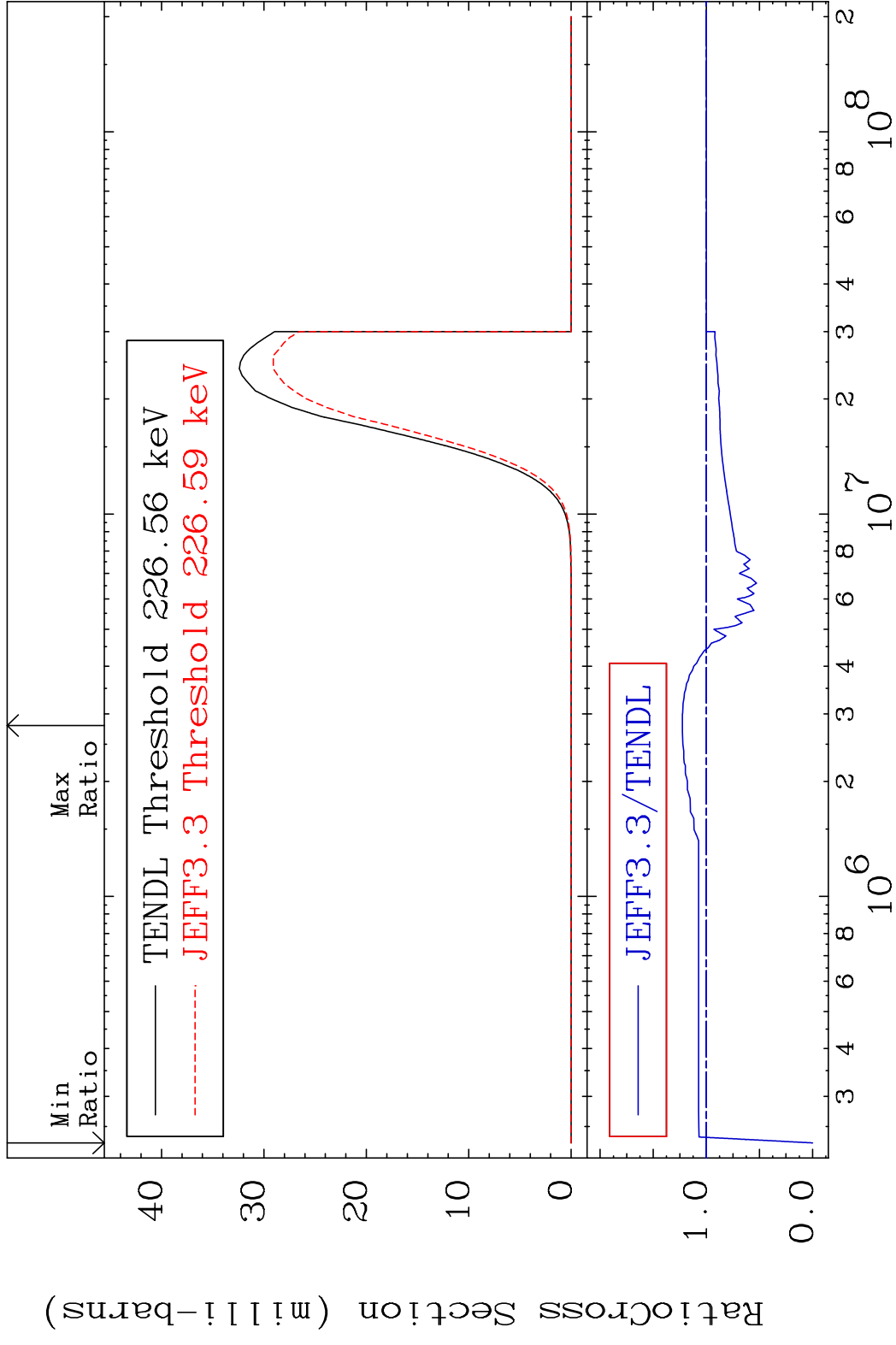


51

Incident Energy (eV)

76-0s-189

MAT 7640 (n,p) 76-Os-189  
 Cross Section -100.0 To 22.60 %

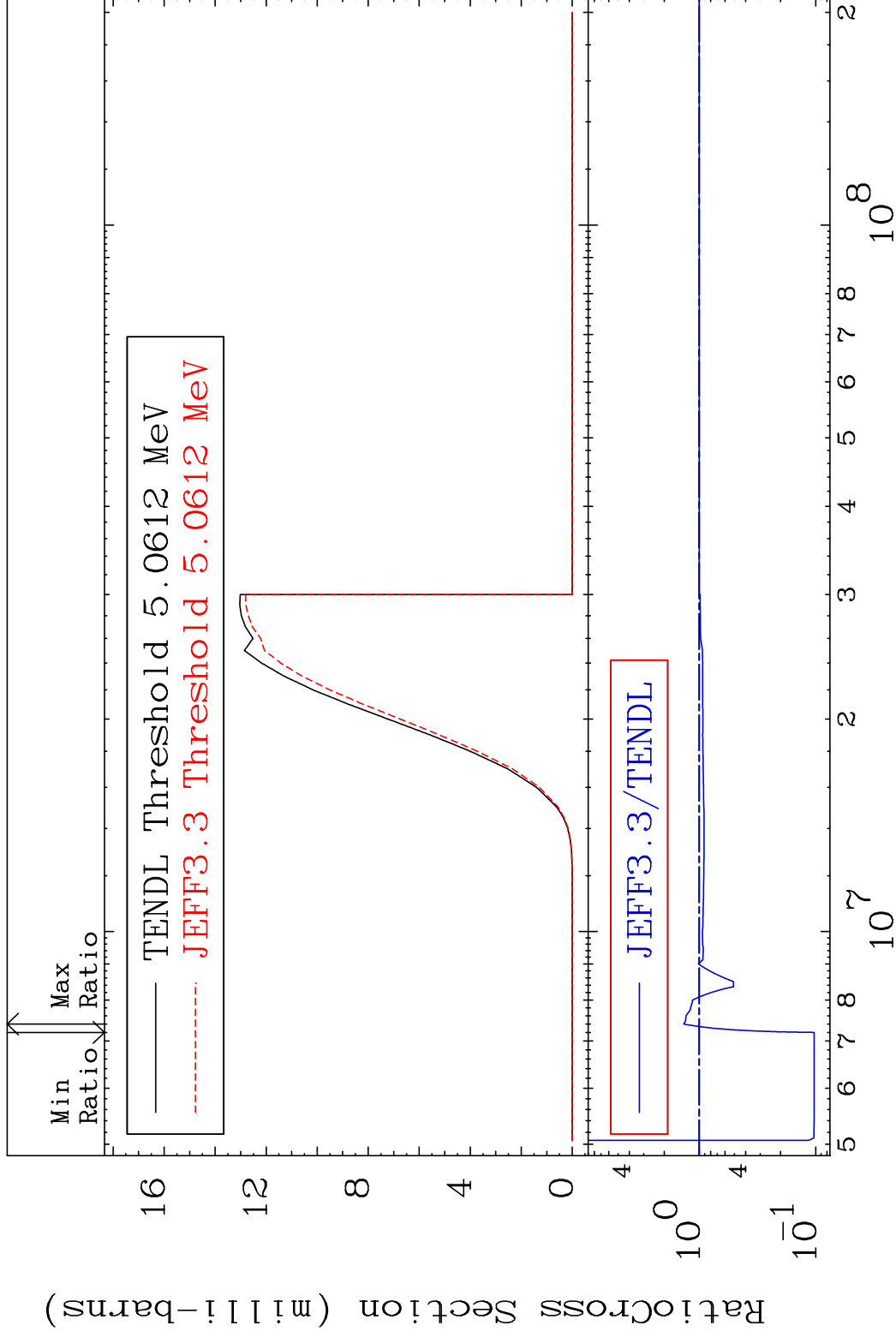


MAT 7640

(n, d)

76-0s-189

Cross Section -89.69 To 36.36 %

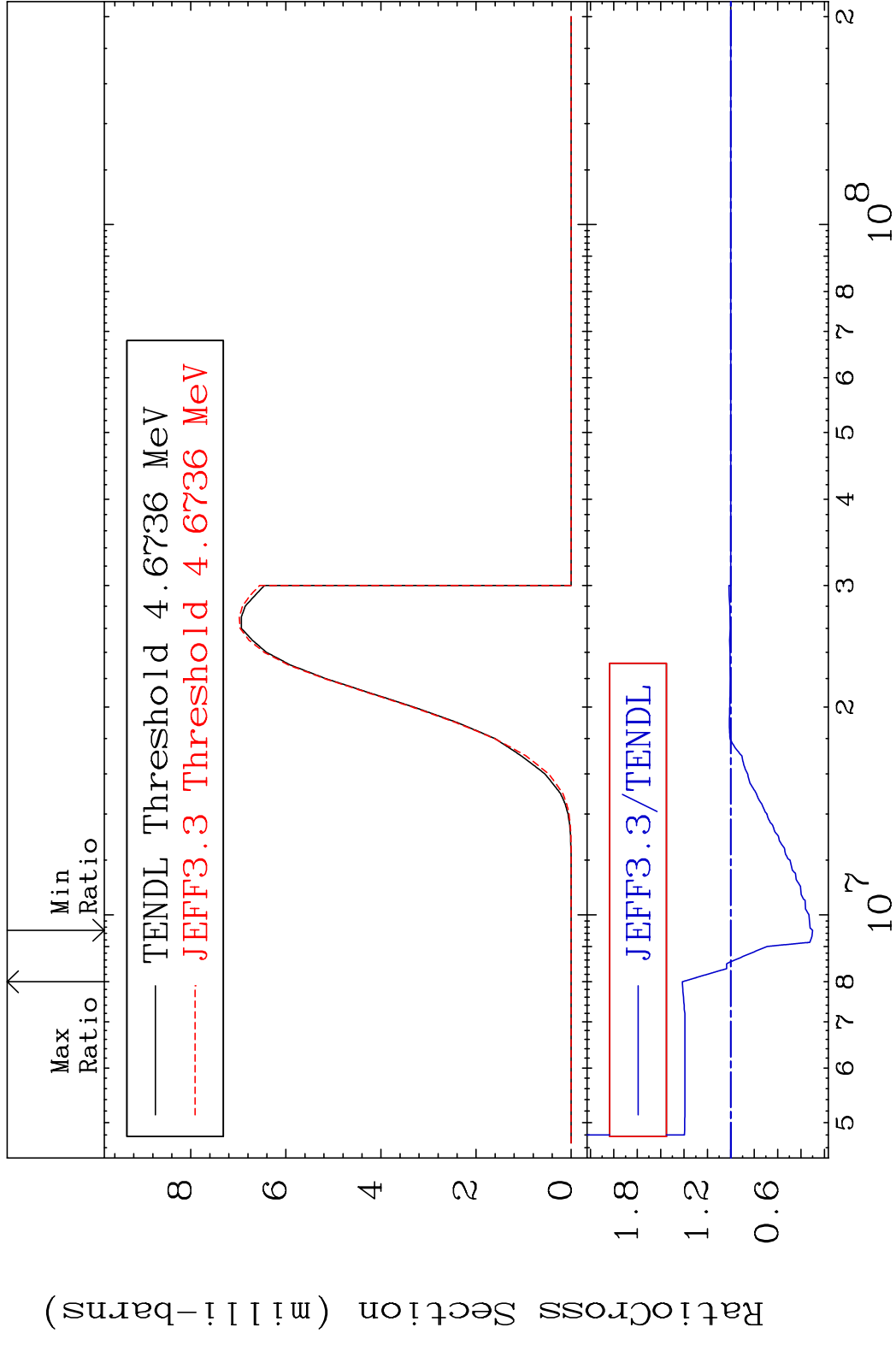


53

Incident Energy (eV)

76-0s-189

MAT 7640 (n, t) 76-0s-189  
 Cross Section -69.88 To 41.44 %

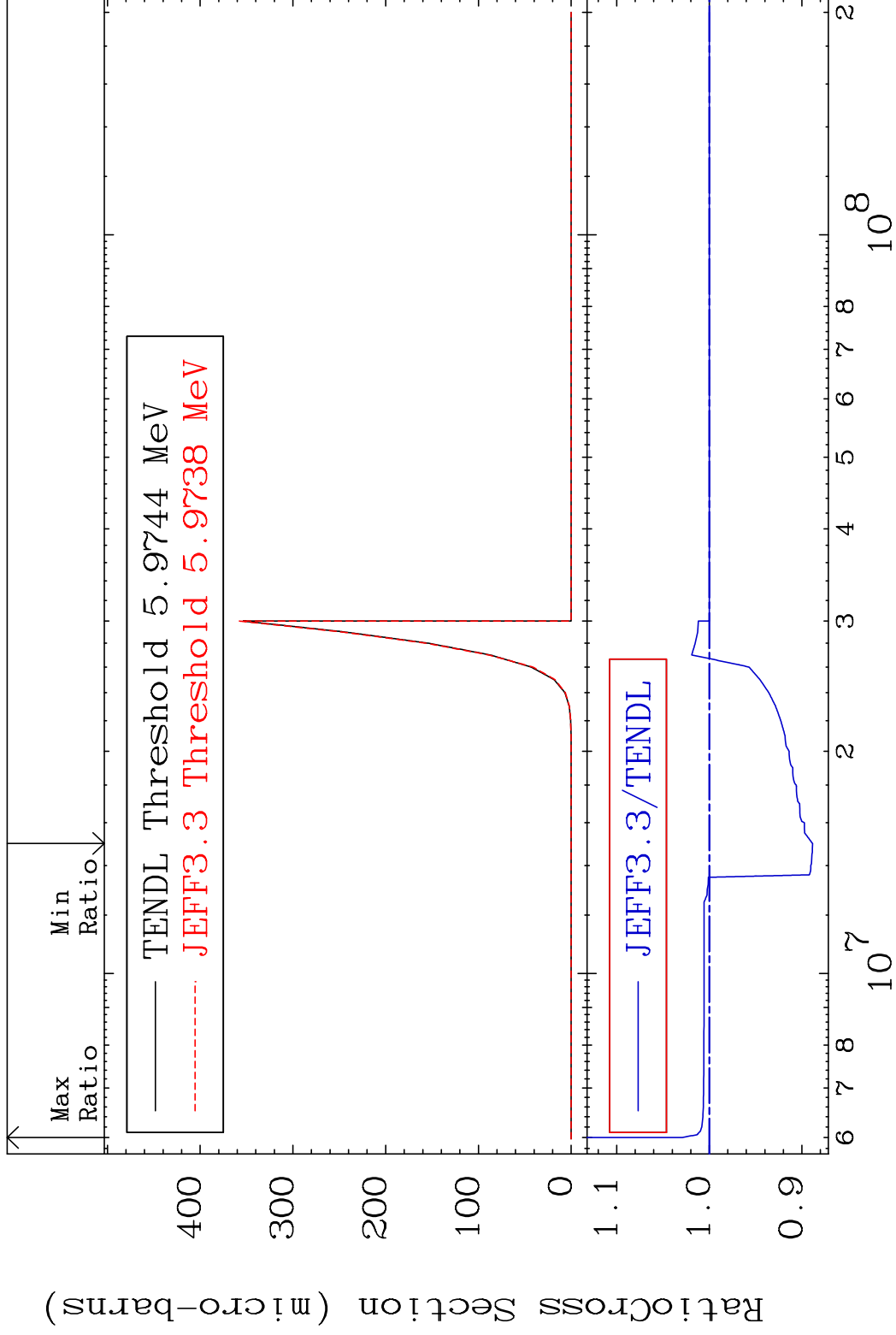


MAT 7640

(n, He-3)

76-0s-189

Cross Section -11.15 To 2.911 %



55

Incident Energy (eV)

76-0s-189

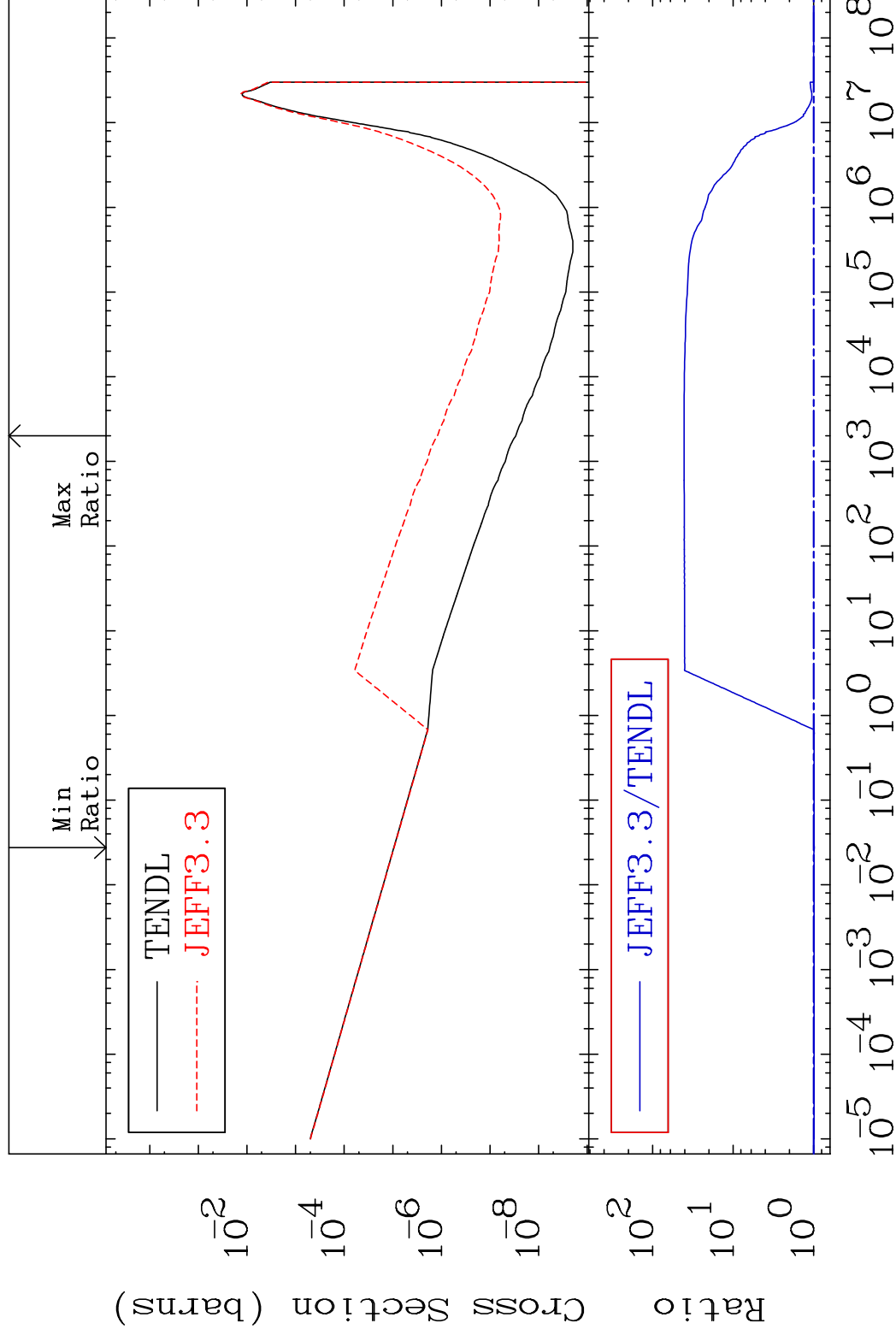


MAT 7640

76-Os-189

(n,  $\alpha$ )

Cross Section -1.548 To 3972. %



56

Incident Energy (eV)

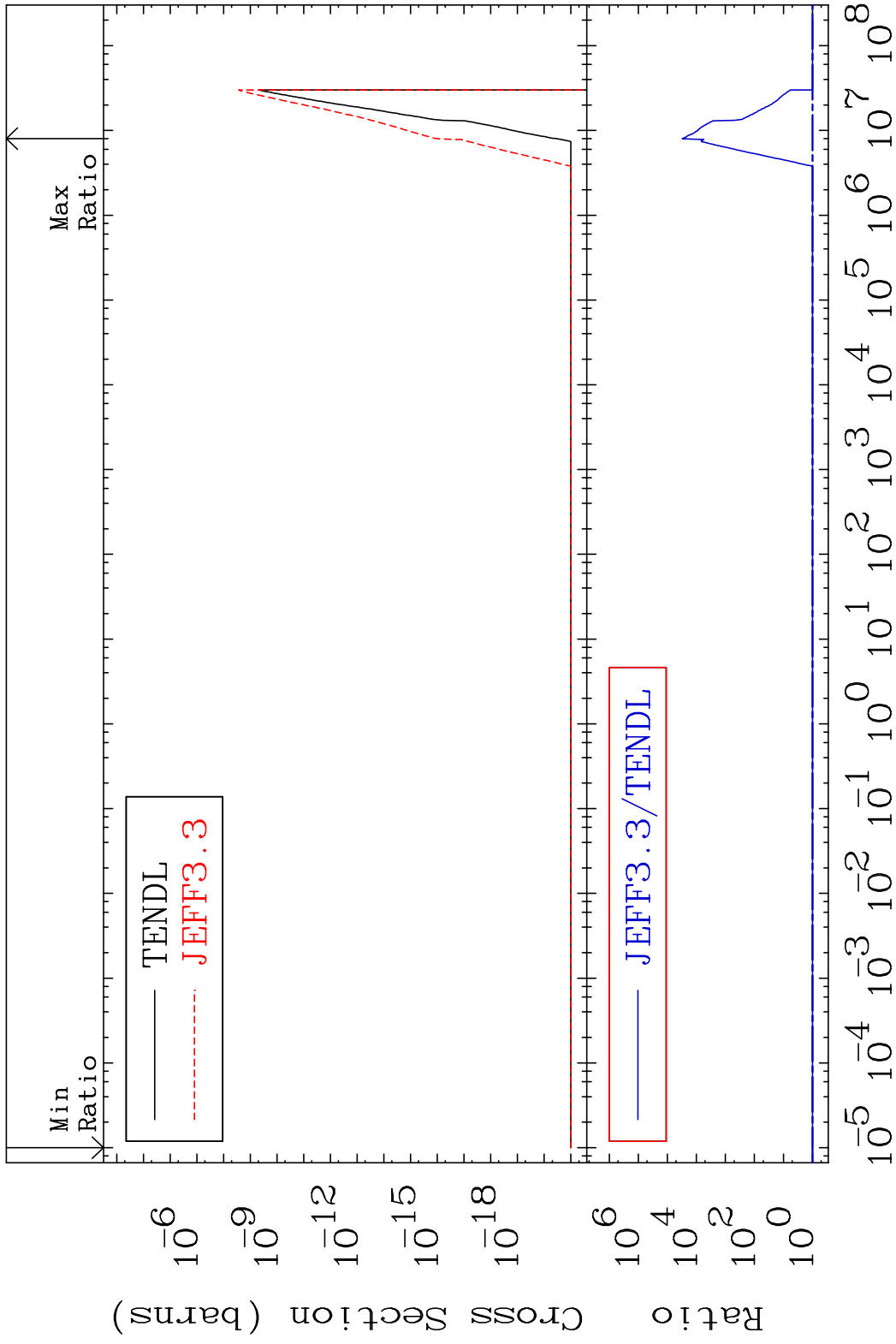
76-Os-189

MAT 7640

(n, 2α)

76-Os-189

Cross Section 0.000 To 9999. %



57

Incident Energy (eV)

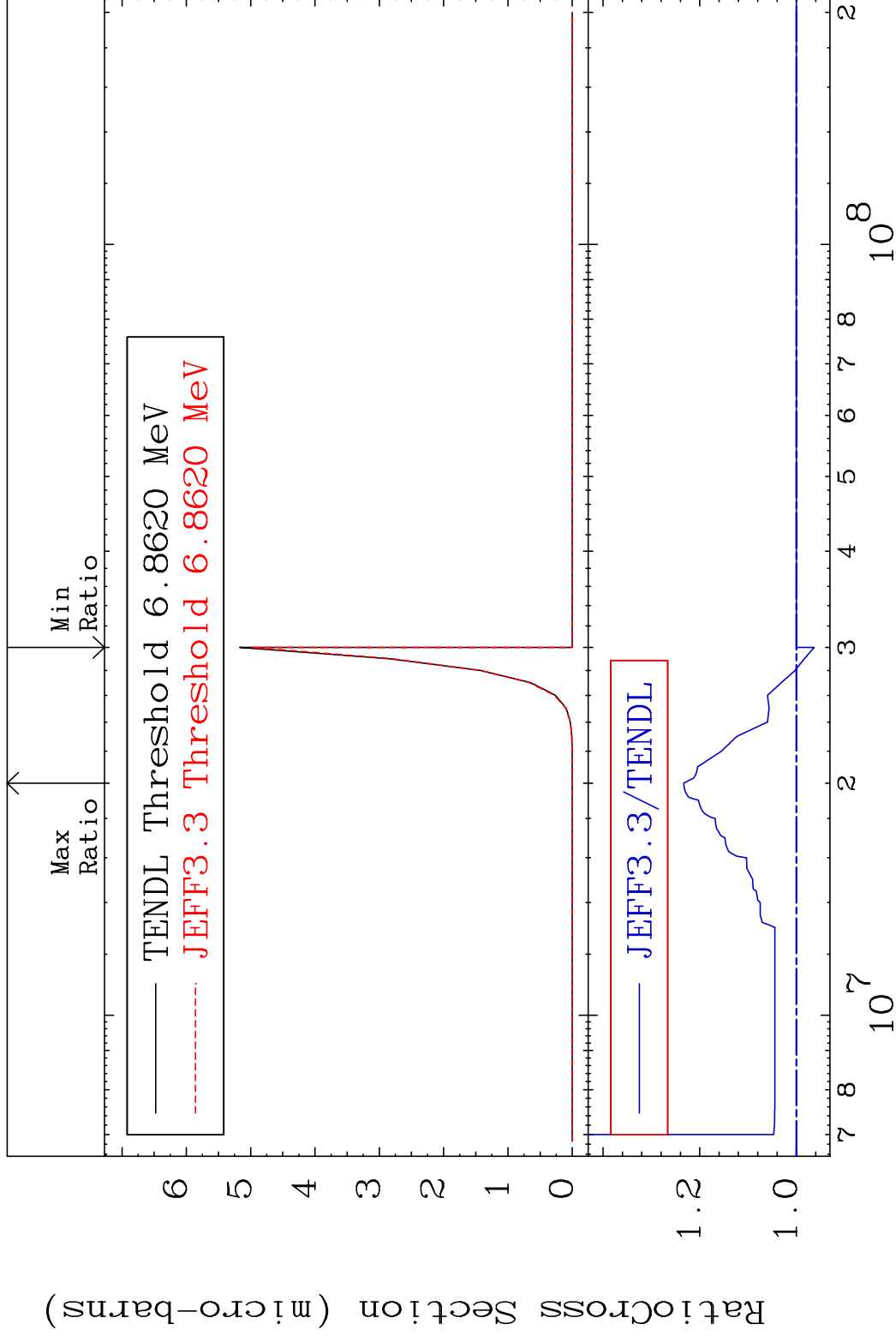
76-Os-189

MAT 7640

(n,2p)

76-0s-189

Cross Section -3.674 To 23.33 %



58

Incident Energy (eV)

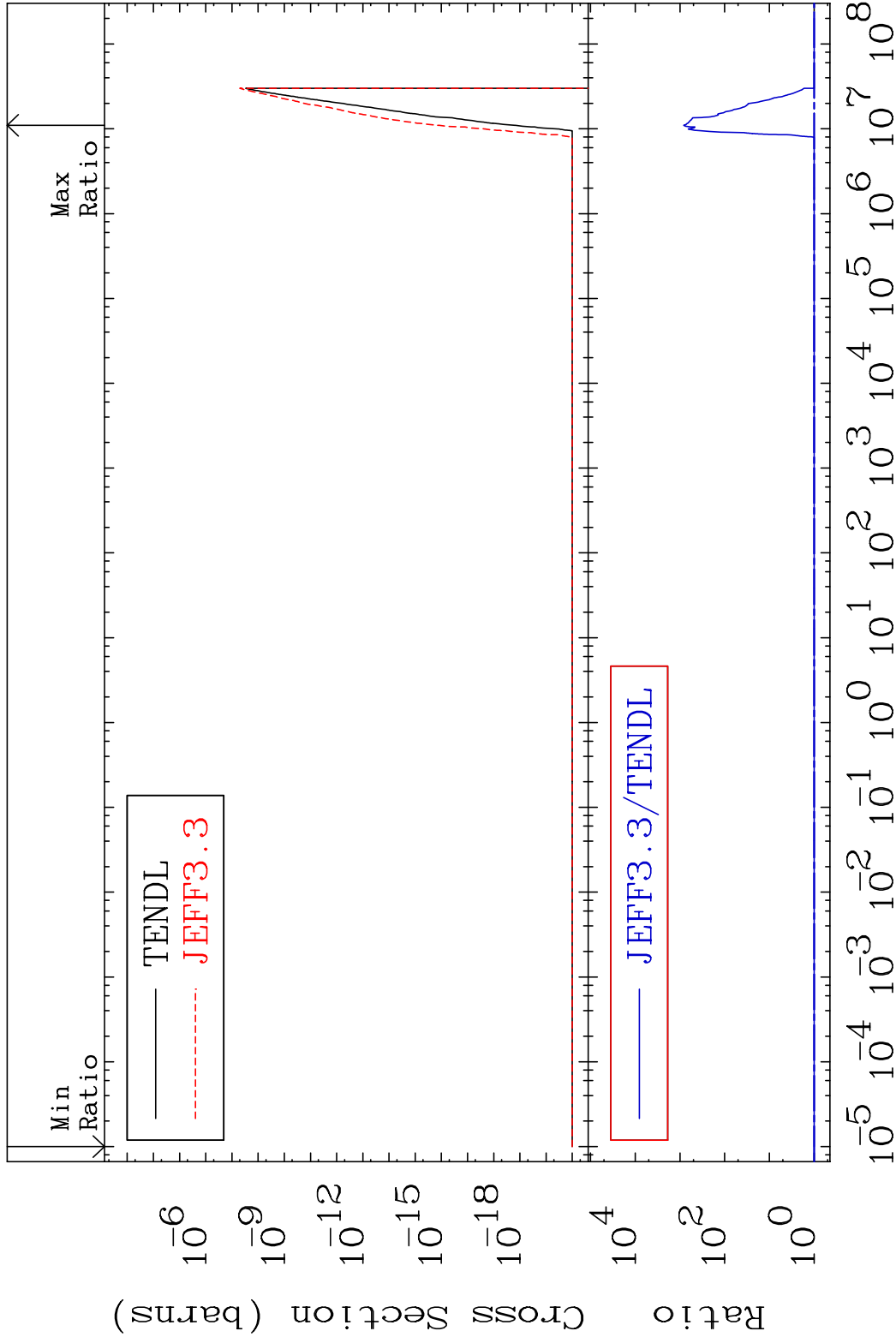
76-0s-189

MAT 7640

(n,p)  $\alpha$

76-Os-189

Cross Section 0.000 To 9999. %



59

Incident Energy (eV)

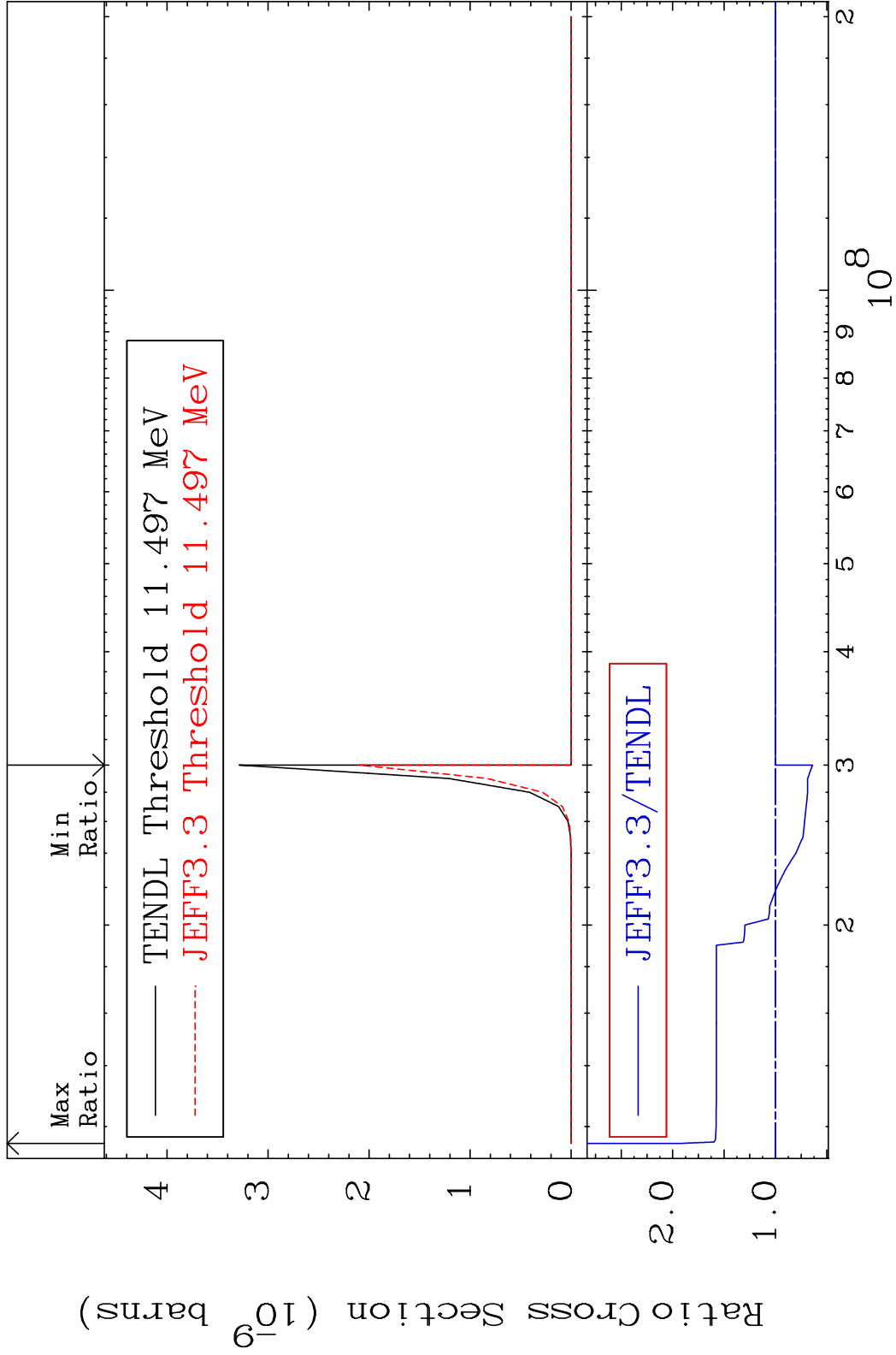
76-Os-189

MAT 7640

(n,p) d

76-0s-189

Cross Section -36.16 To 90.53 %

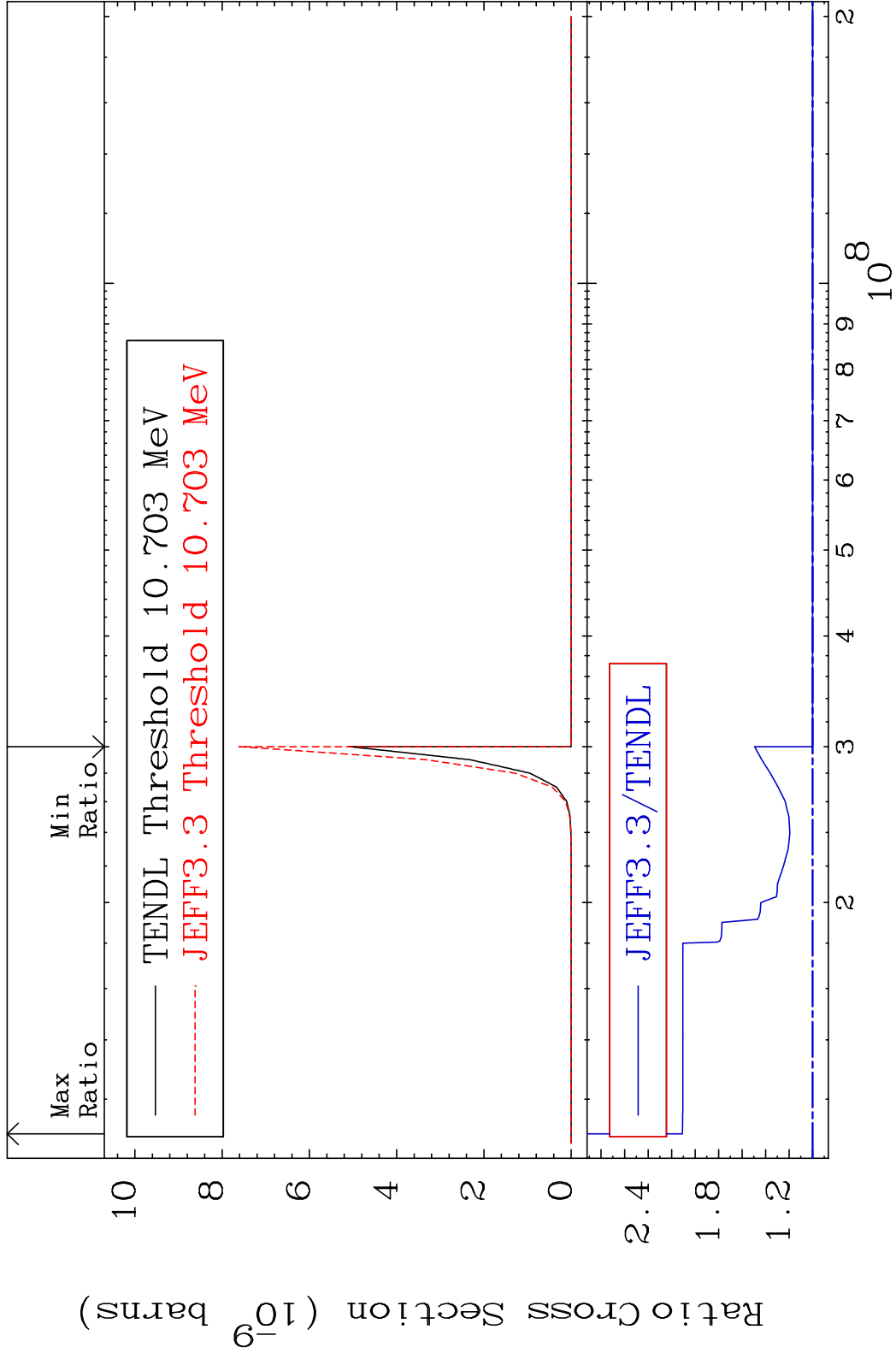


60

Incident Energy (eV)

76-0s-189

MAT 7640 (n,p) t 76-Os-189  
 Cross Section 0.000 To 110.8 %

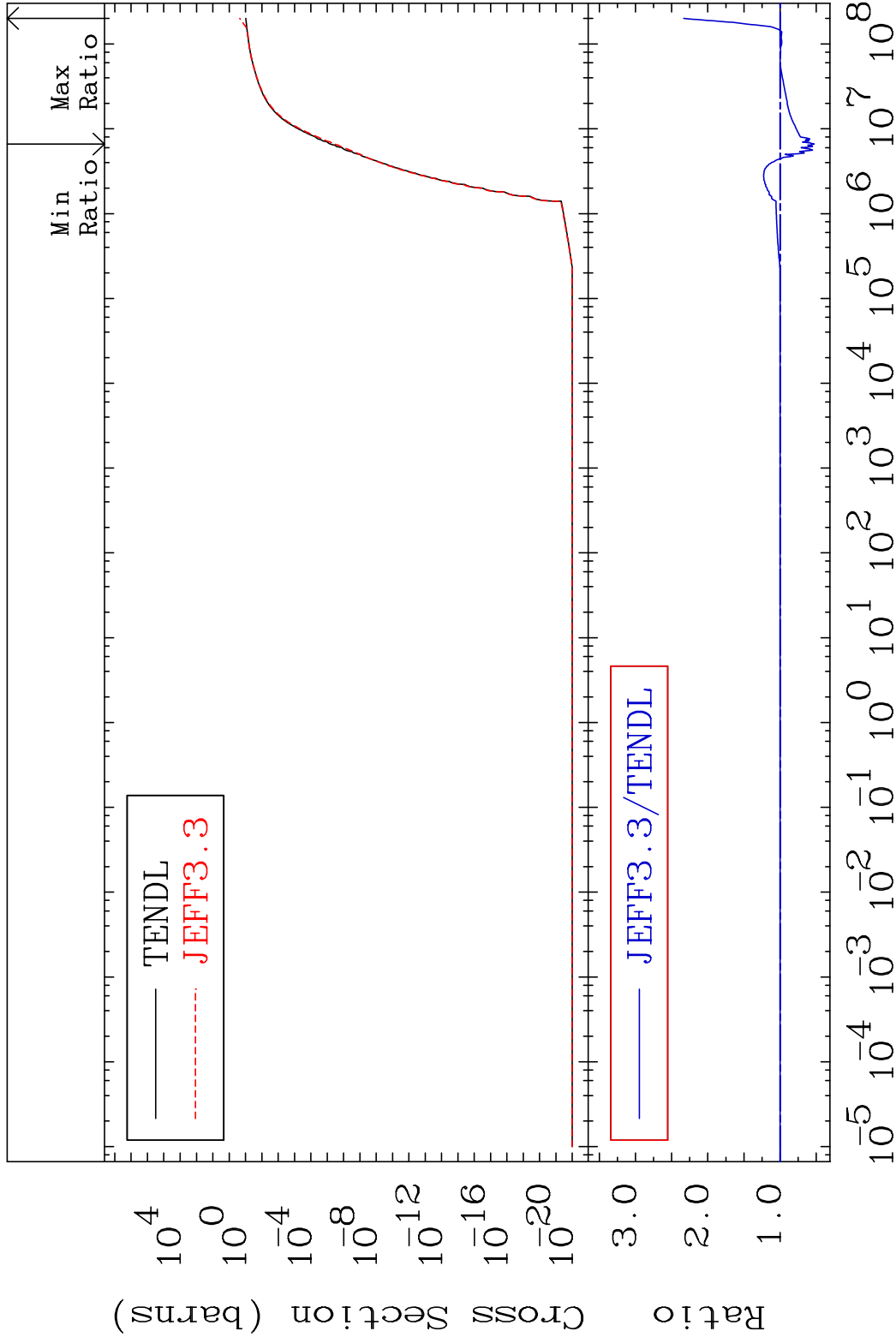


MAT 7640

Hydrogen Production

76-Os-189

Cross Section -47.12 To 133.4 %



62

Incident Energy (eV)

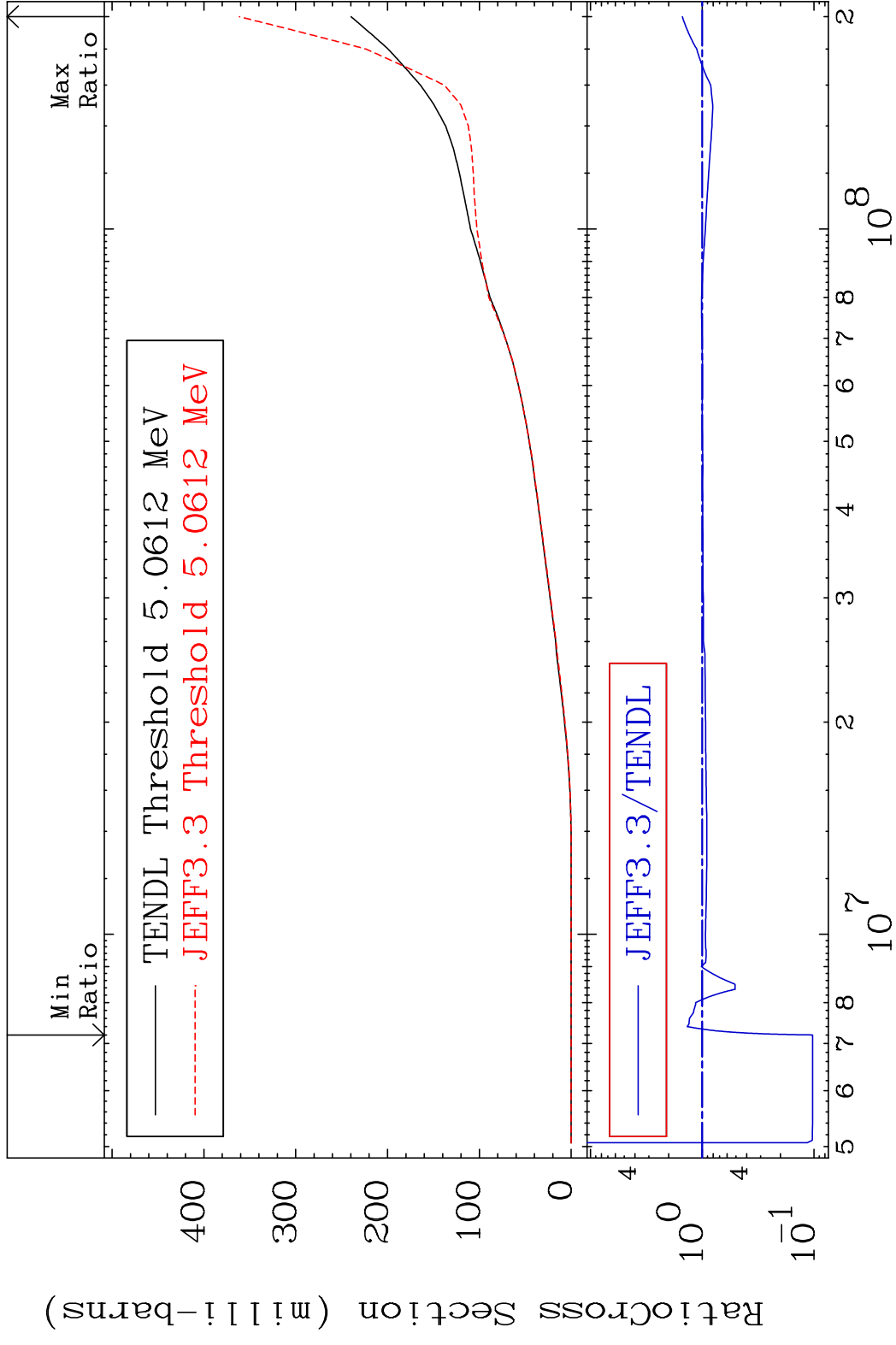
76-Os-189

MAT 7640

Deuterium Production

76-0s-189

Cross Section -89.69 To 50.78 %



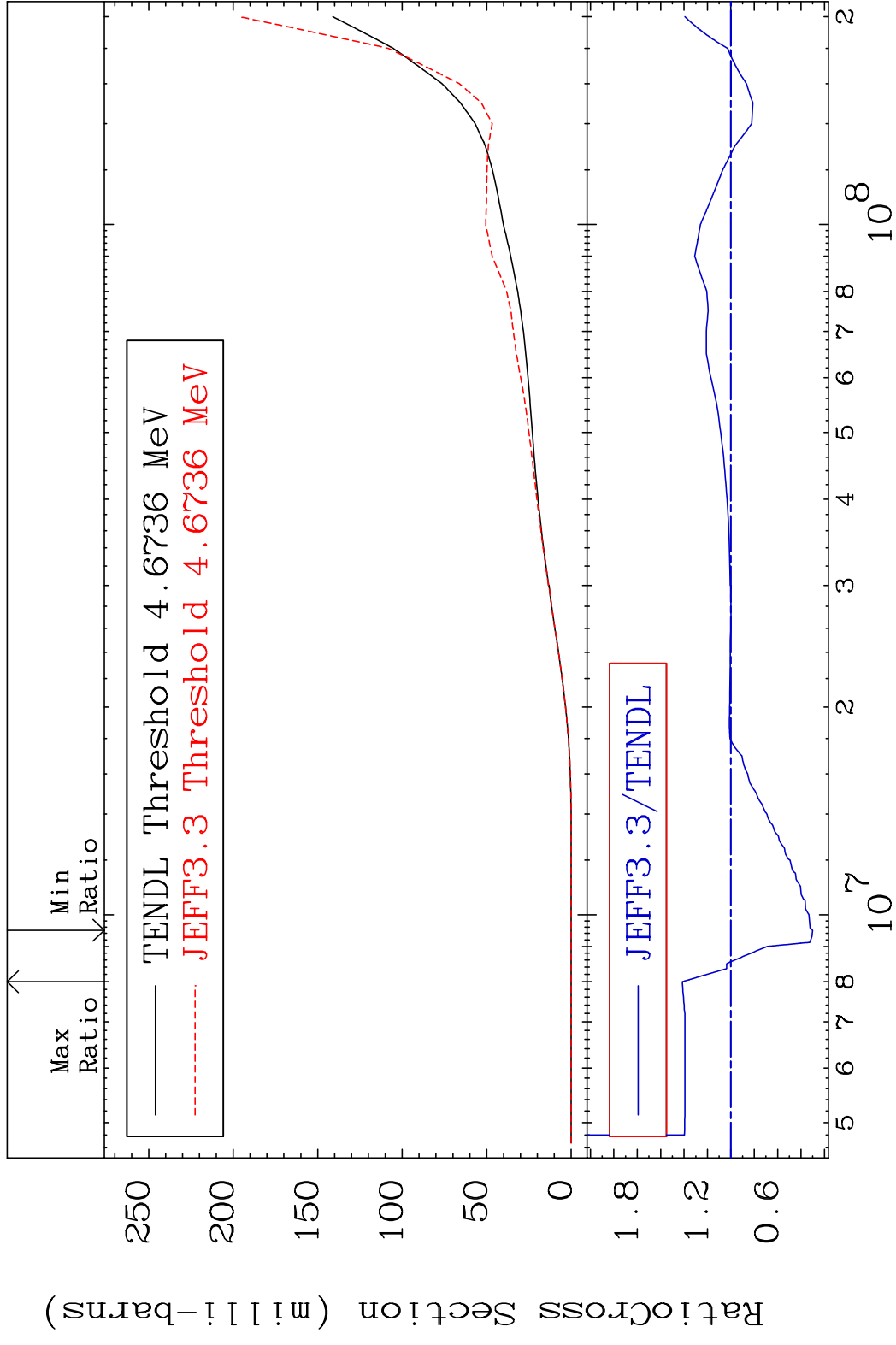
63

Incident Energy (eV)

76-0s-189



MAT 7640 Tritium Production 76-Os-189  
 Cross Section -69.88 To 41.44 %

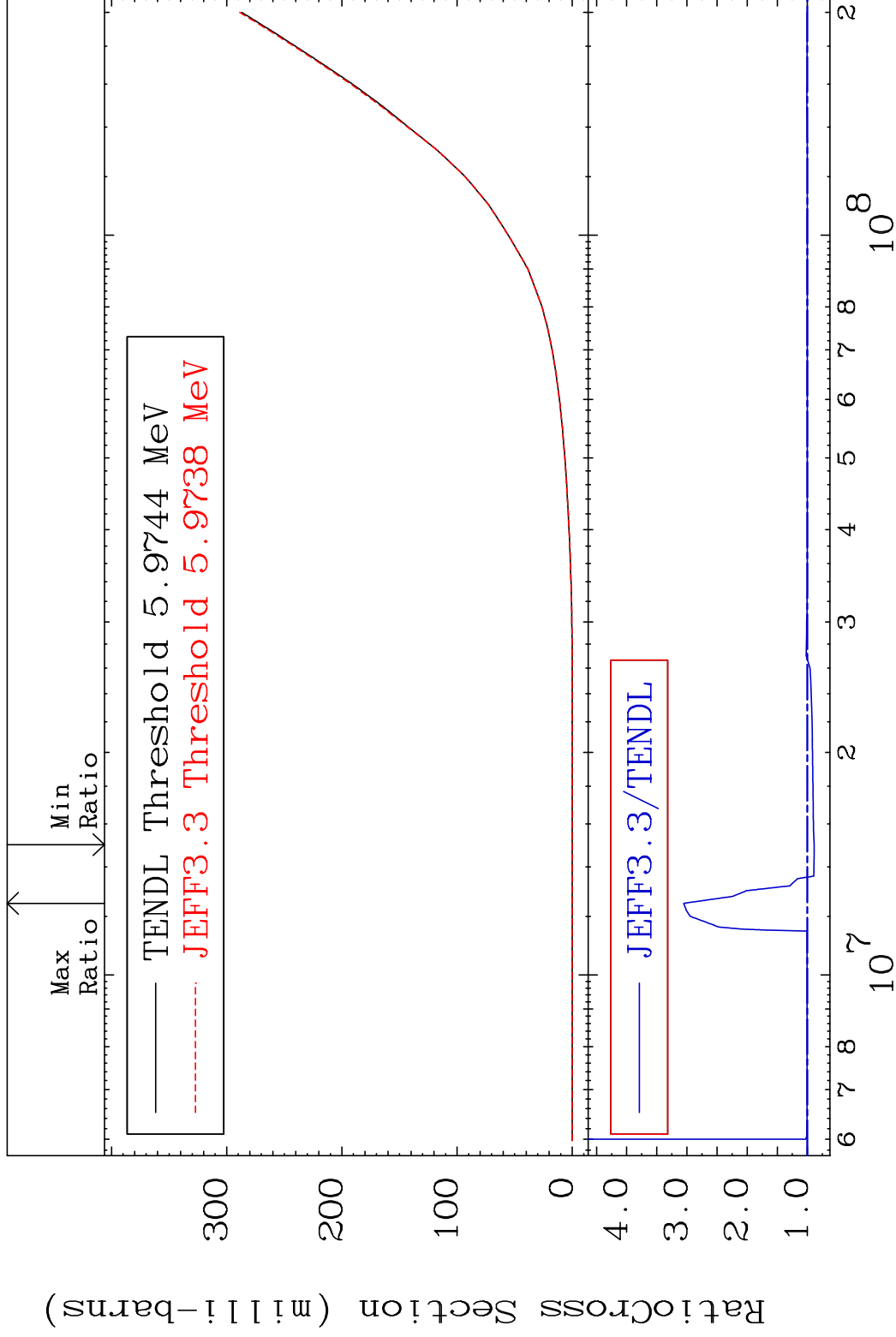


MAT 7640

He-3 Production

76-0s-189

Cross Section -11.15 To 205.4 %



65

Incident Energy (eV)

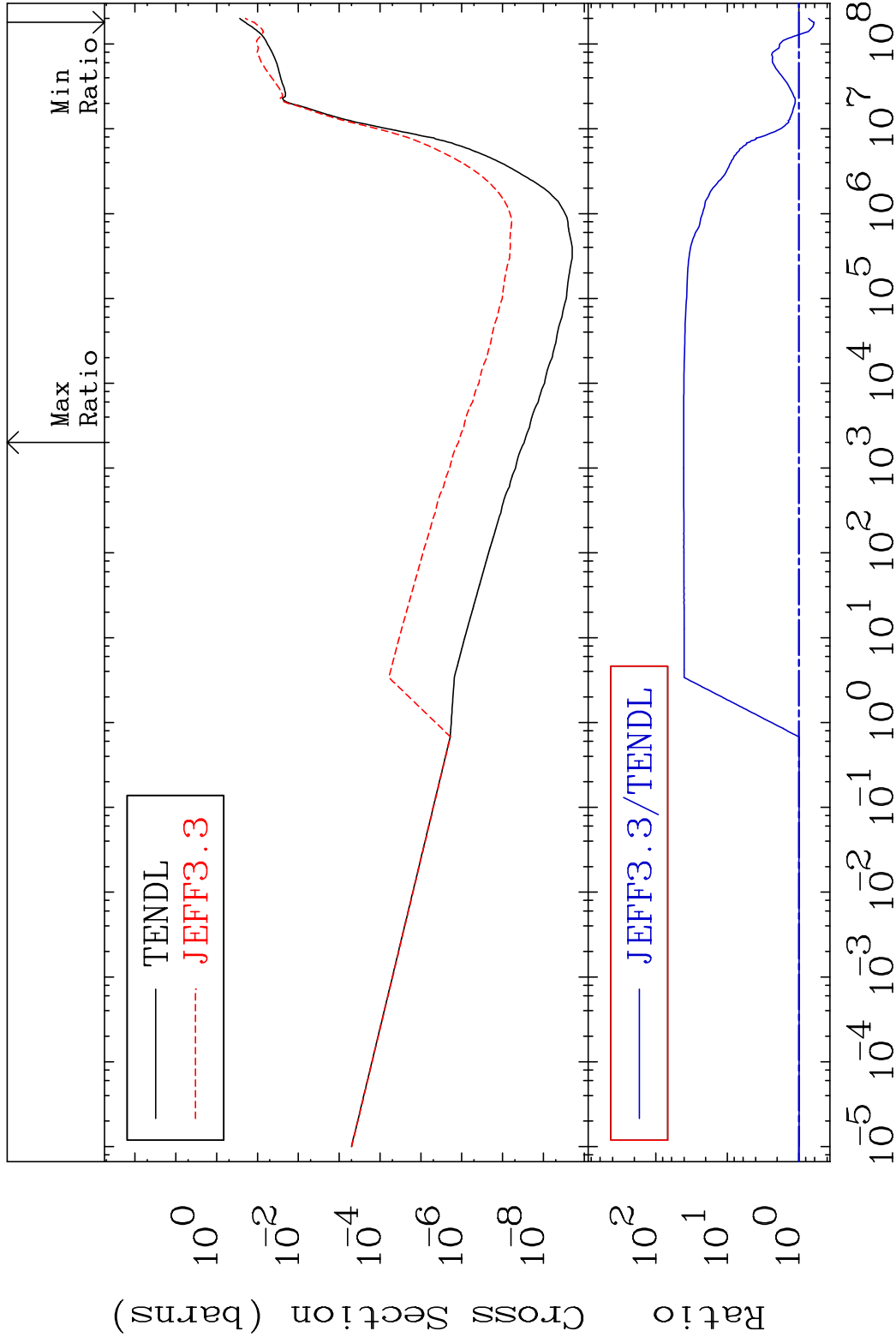
76-0s-189

MAT 7640

He-4 Production

76-0s-189

Cross Section -39.02 To 3972. %



66

Incident Energy (eV)

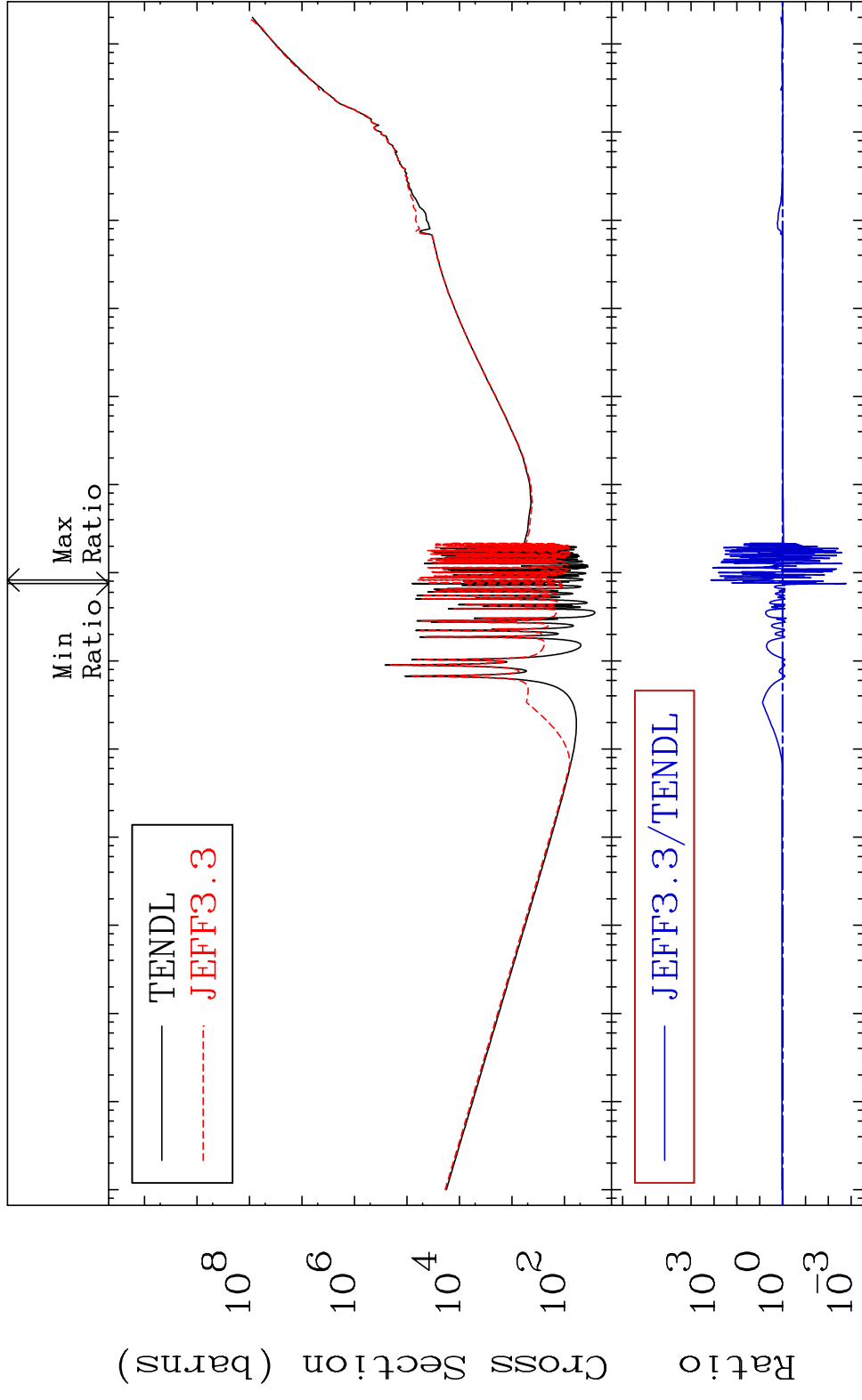
76-0s-189

MAT 7640

Kerma total (eV-barns)

76-0s-189

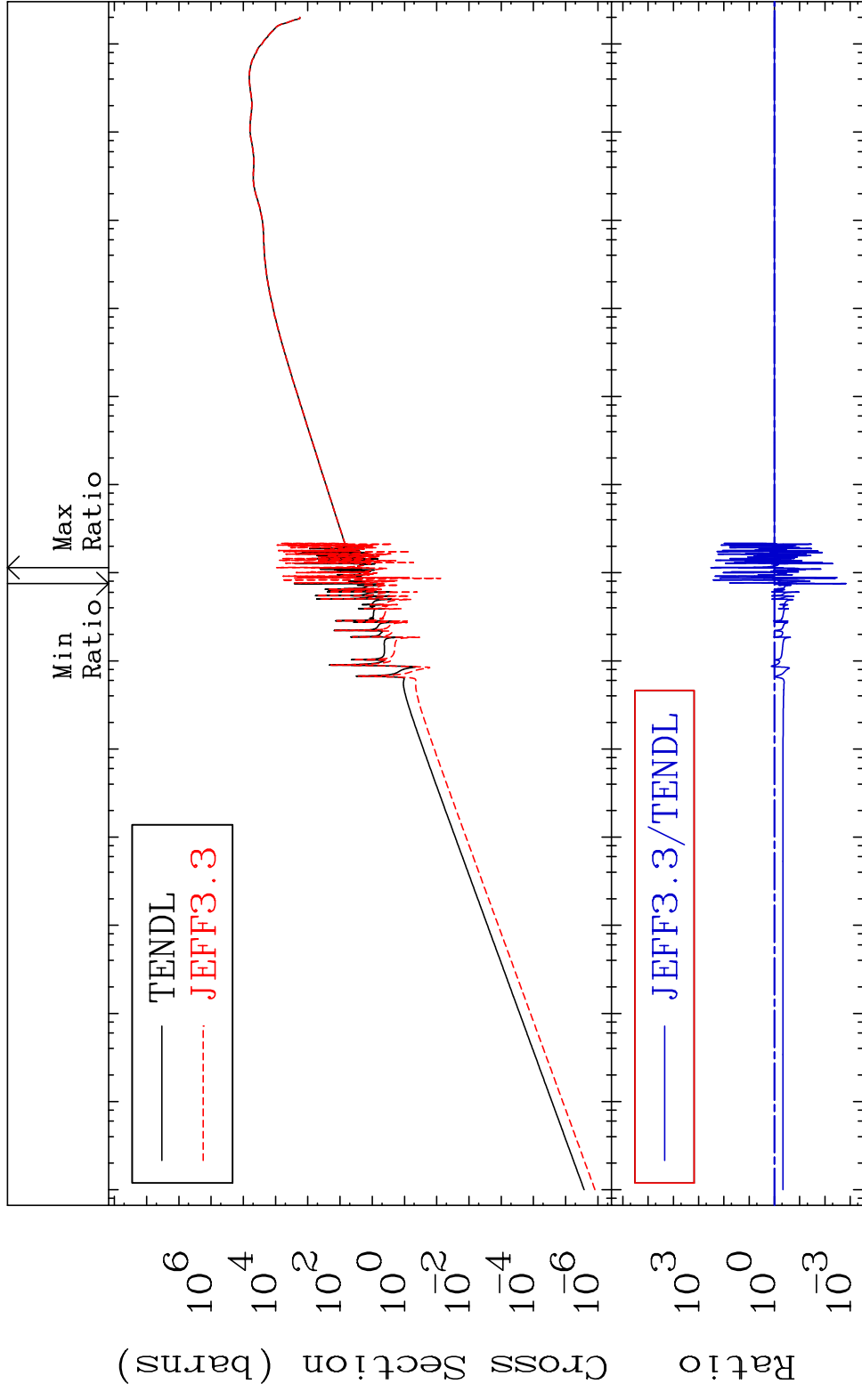
Cross Section -99.84 To 9999. %



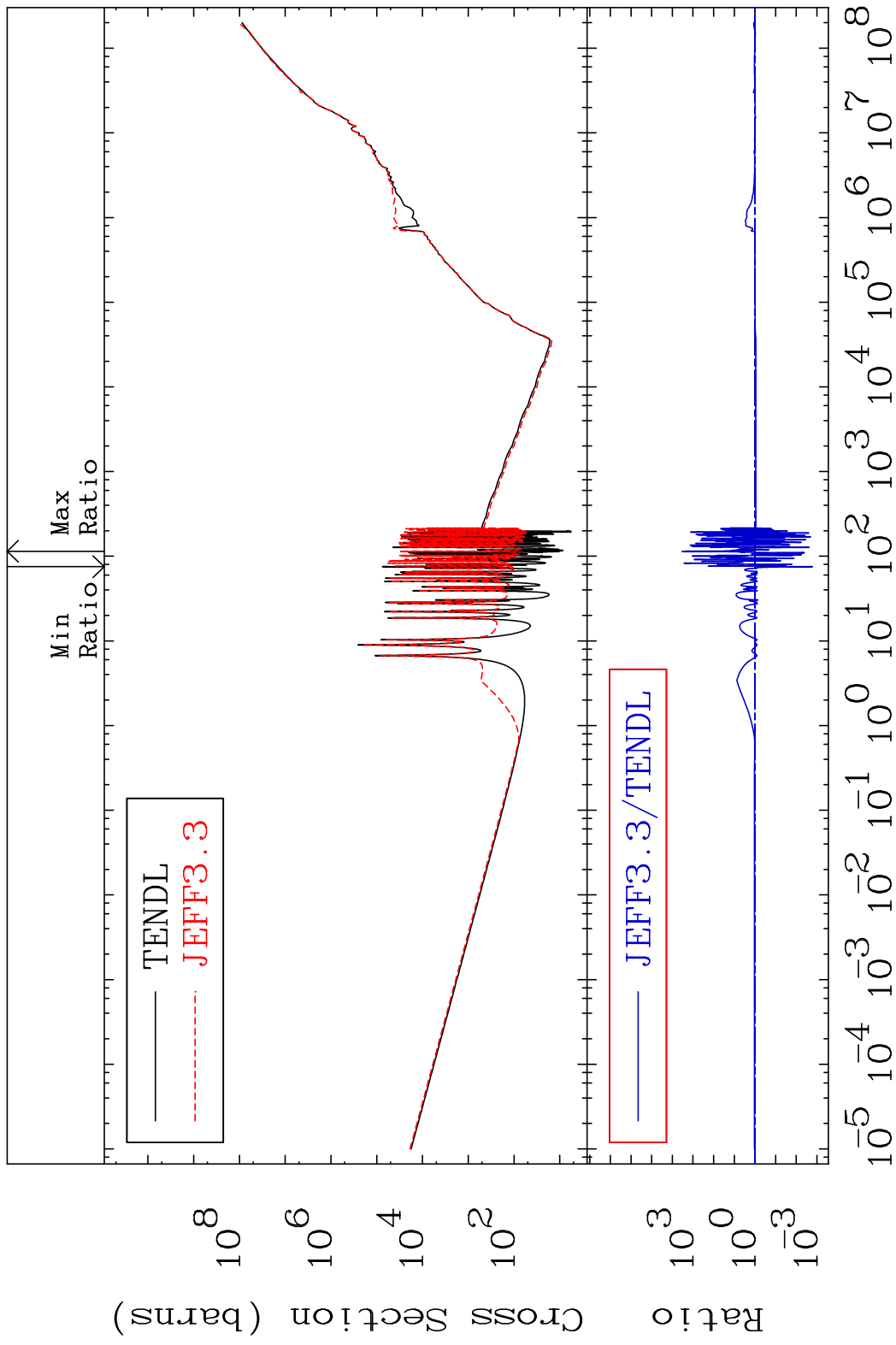
MAT 7640

Kerma elastic  
Cross Section

76-0s-189  
-99.86 To 9999. %

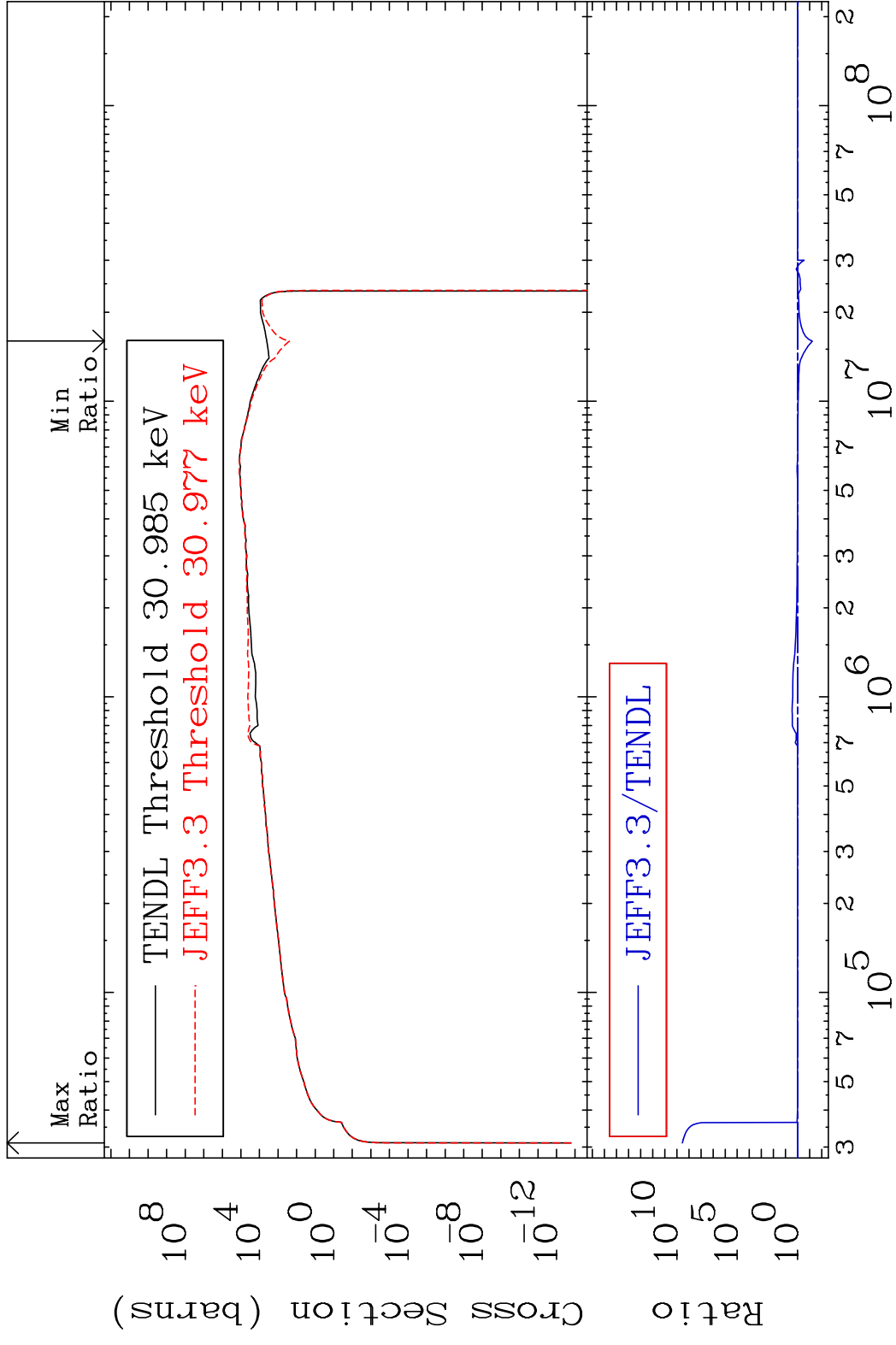


MAT 7640 Kerma non-elastic (all but mt2) 76-Os-189  
 Cross Section -99.84 To 9999. %



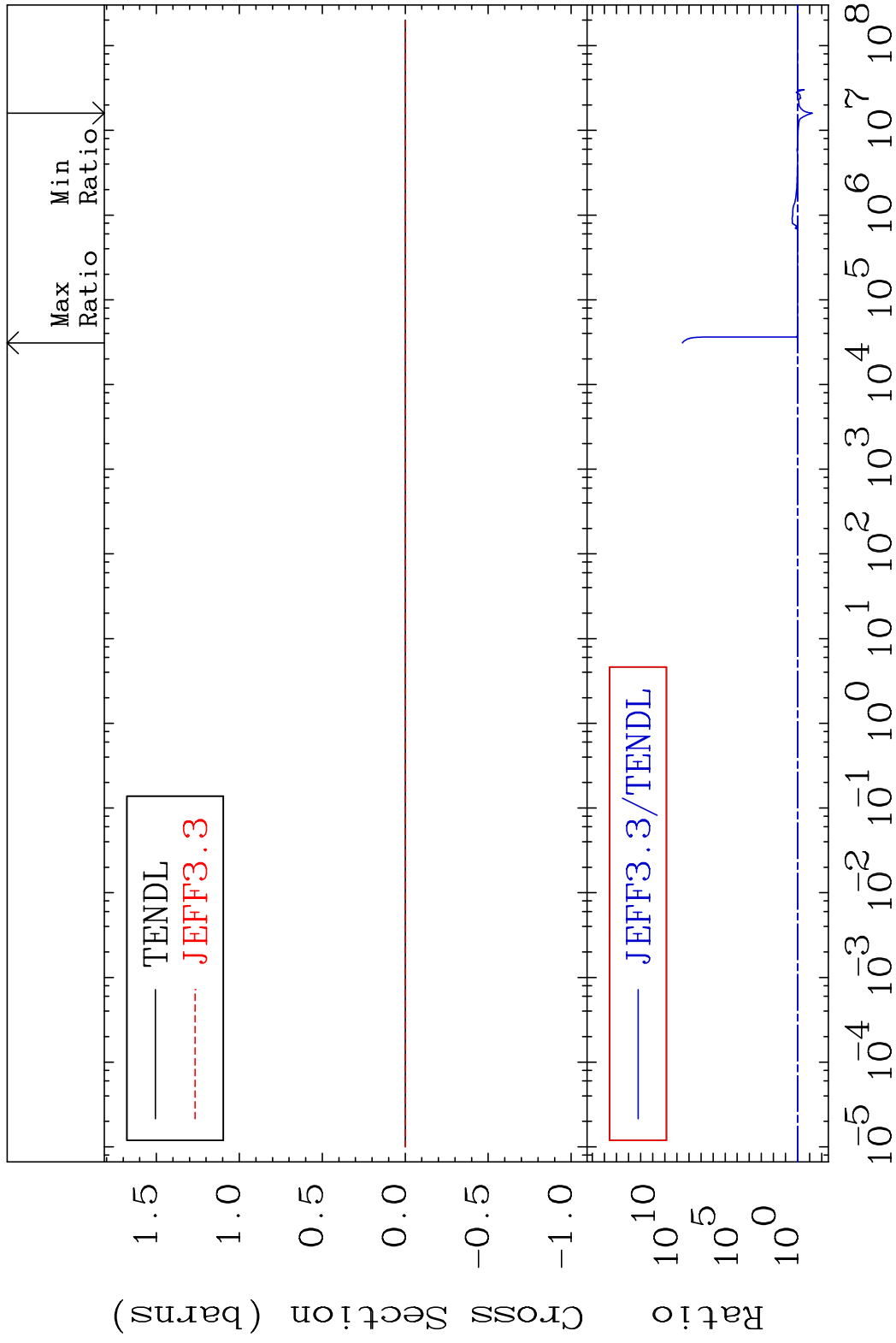
69 Incident Energy (eV) 76-Os-189

MAT 7640 Kerma inelastic (mt51-91) 76-0s-189  
 Cross Section -94.25 To 9999. %



70 Incident Energy (eV) 76-0s-189

MAT 7640 Kerma fission (mt18 or mt19-20-21-38)76-0s-189  
 Cross Section -94.25 To 9999. %



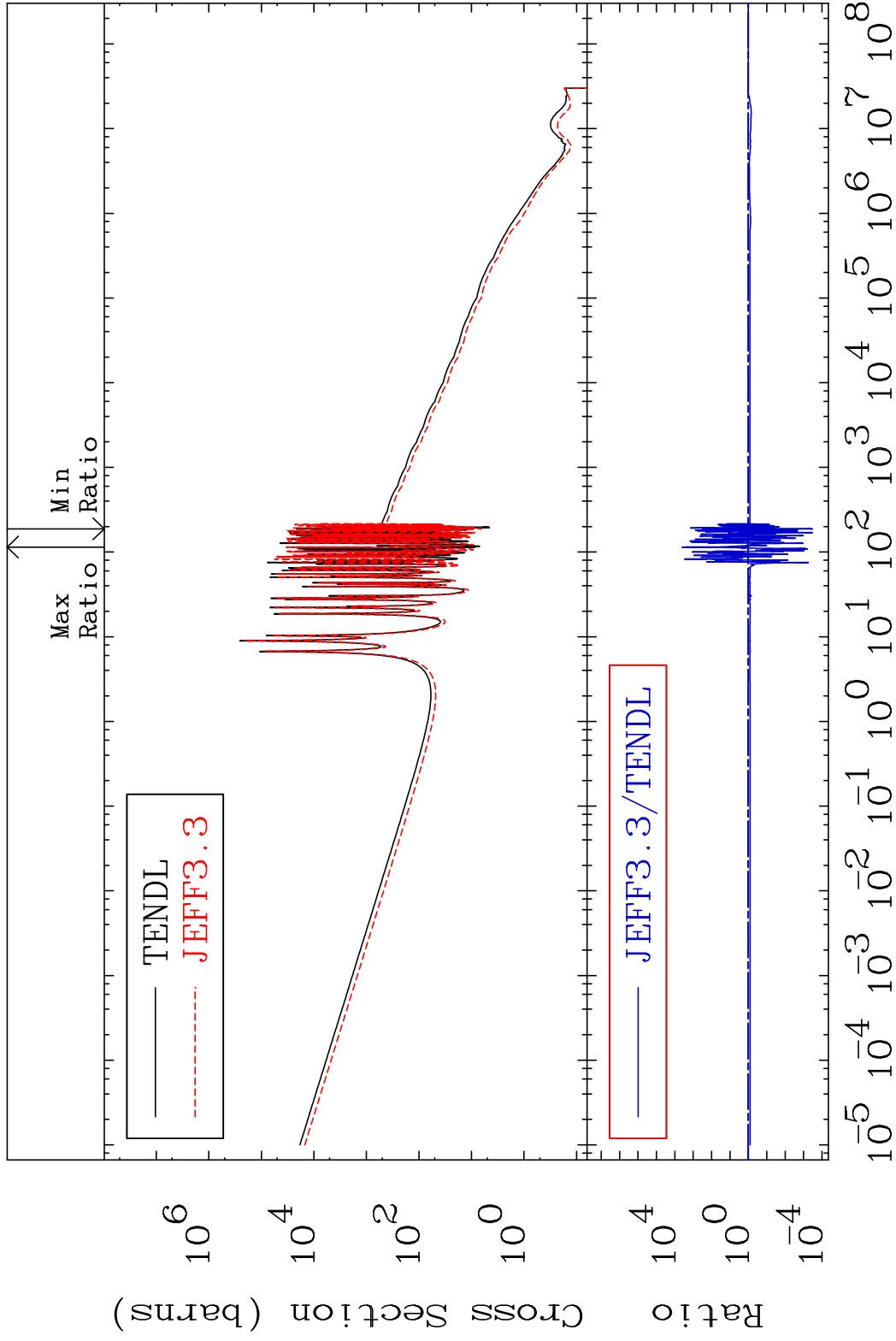


MAT 7640

Kerma capture (mt102)

76-0s-189

Cross Section -99.97 To 9999. %

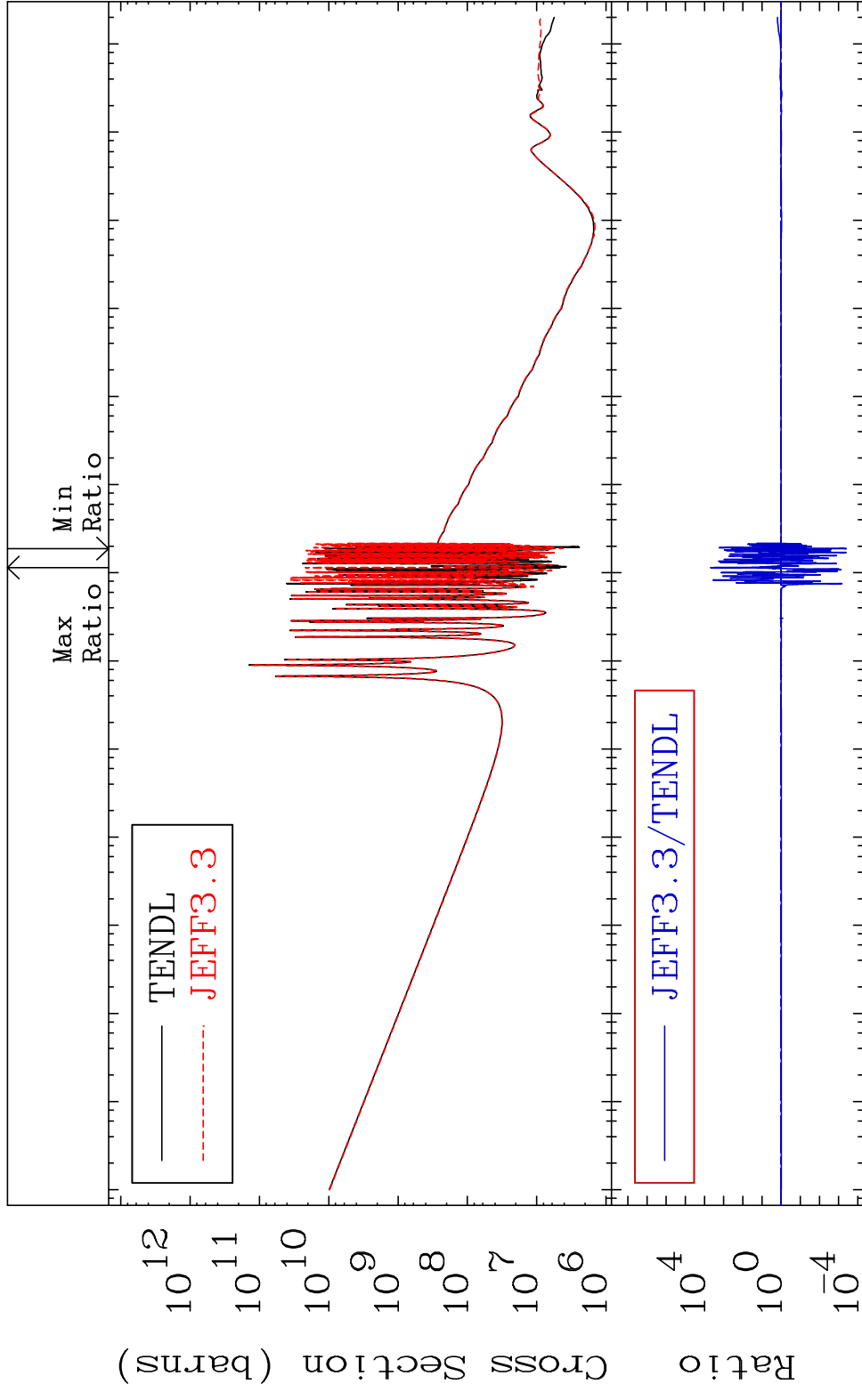


72

Incident Energy (eV)

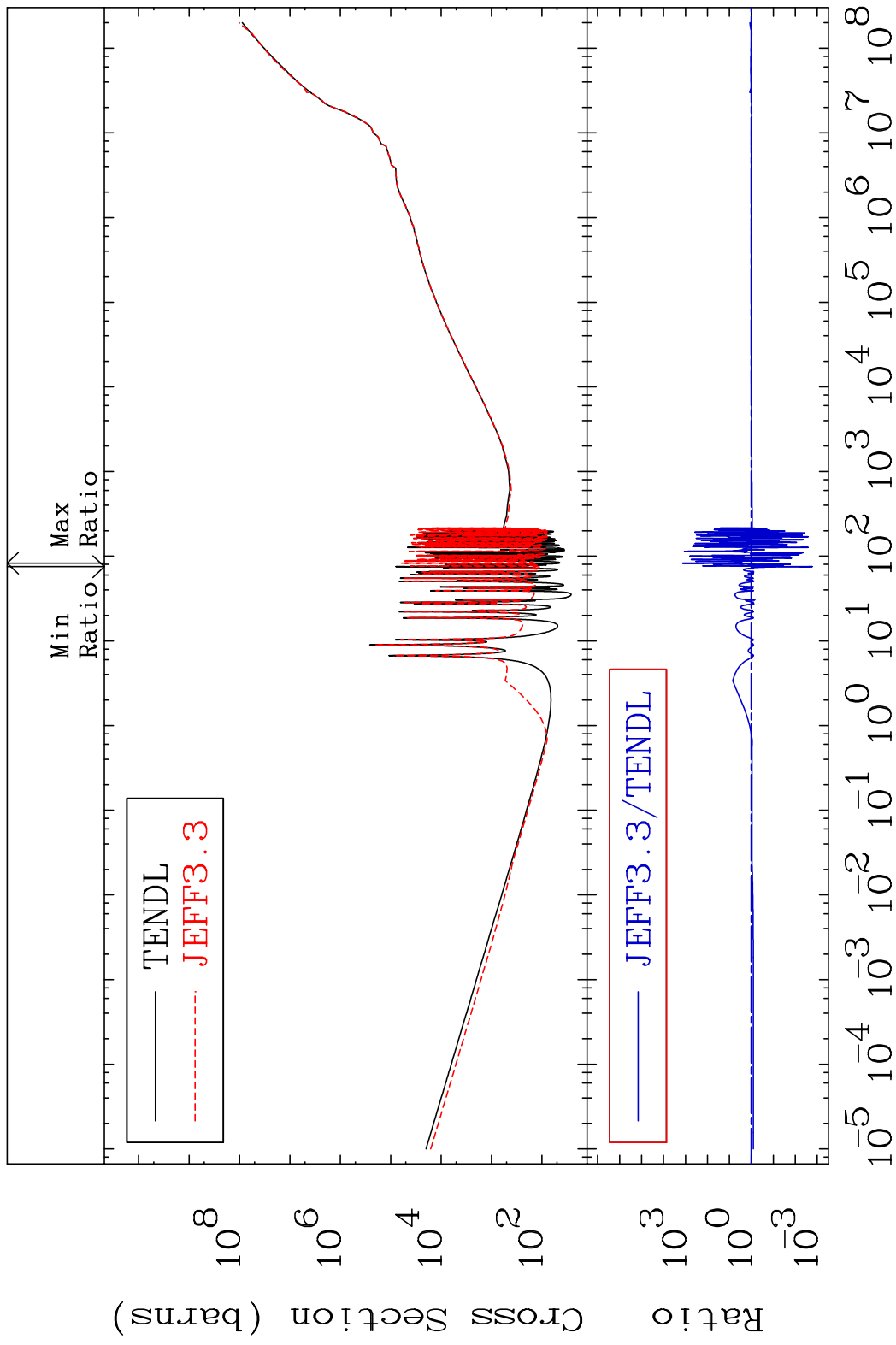
76-0s-189

MAT 7640 Total photon (eV-barns) 76-0s-189  
 Cross Section -99.96 To 9999. %



73 Incident Energy (eV) 76-0s-189

MAT 7640 Total kinematic kerma (high limit) 76-0s-189  
 Cross Section -99.84 To 9999. %

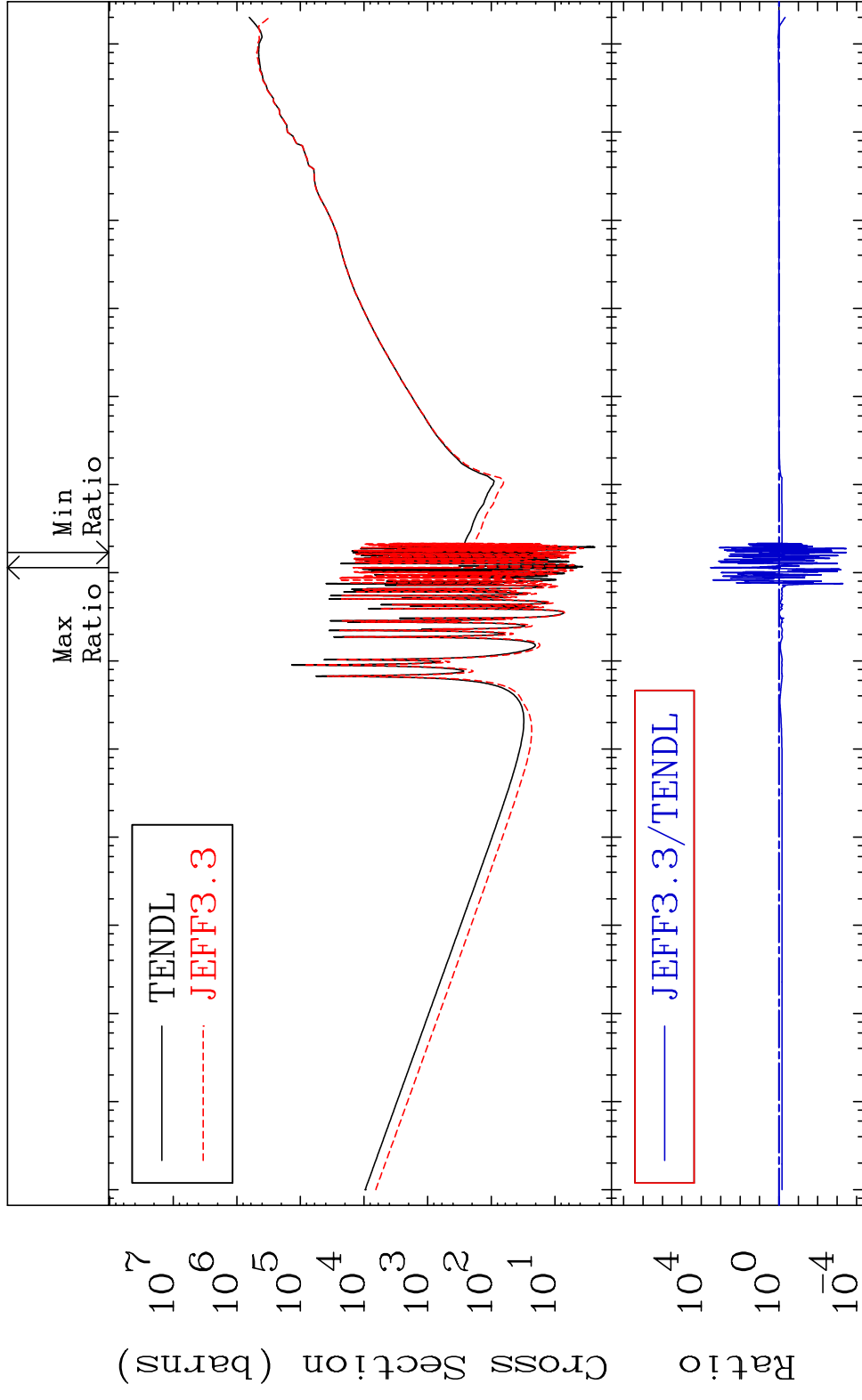


MAT 7640

Dpa total (eV-barns)

76-0s-189

Cross Section -99.97 To 9999. %



75

Incident Energy (eV)

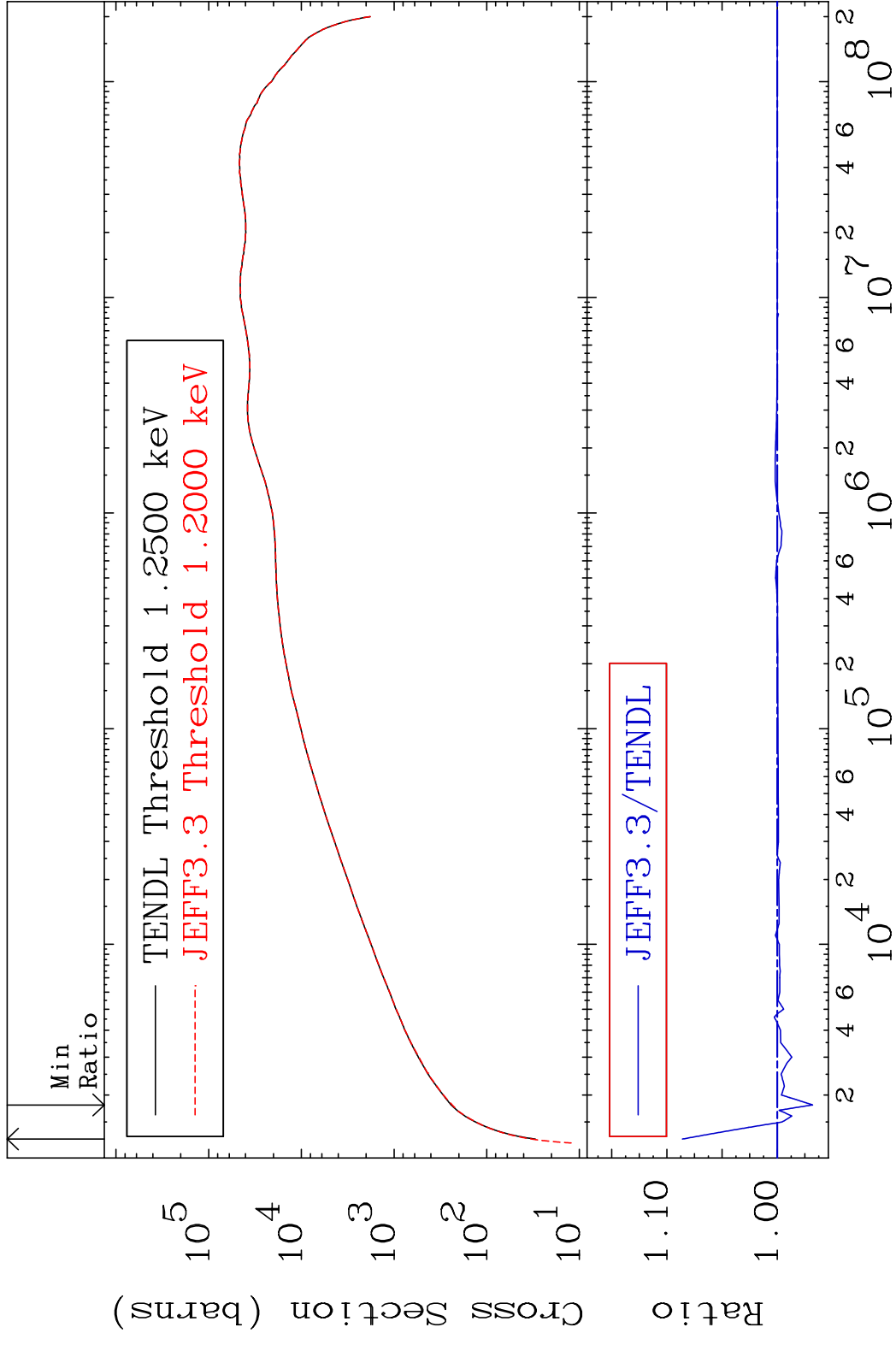
76-0s-189

MAT 7640

Dpa elastic (mt2)

76-0s-189

Cross Section -3.194 To 8.600 %



76

Incident Energy (eV)

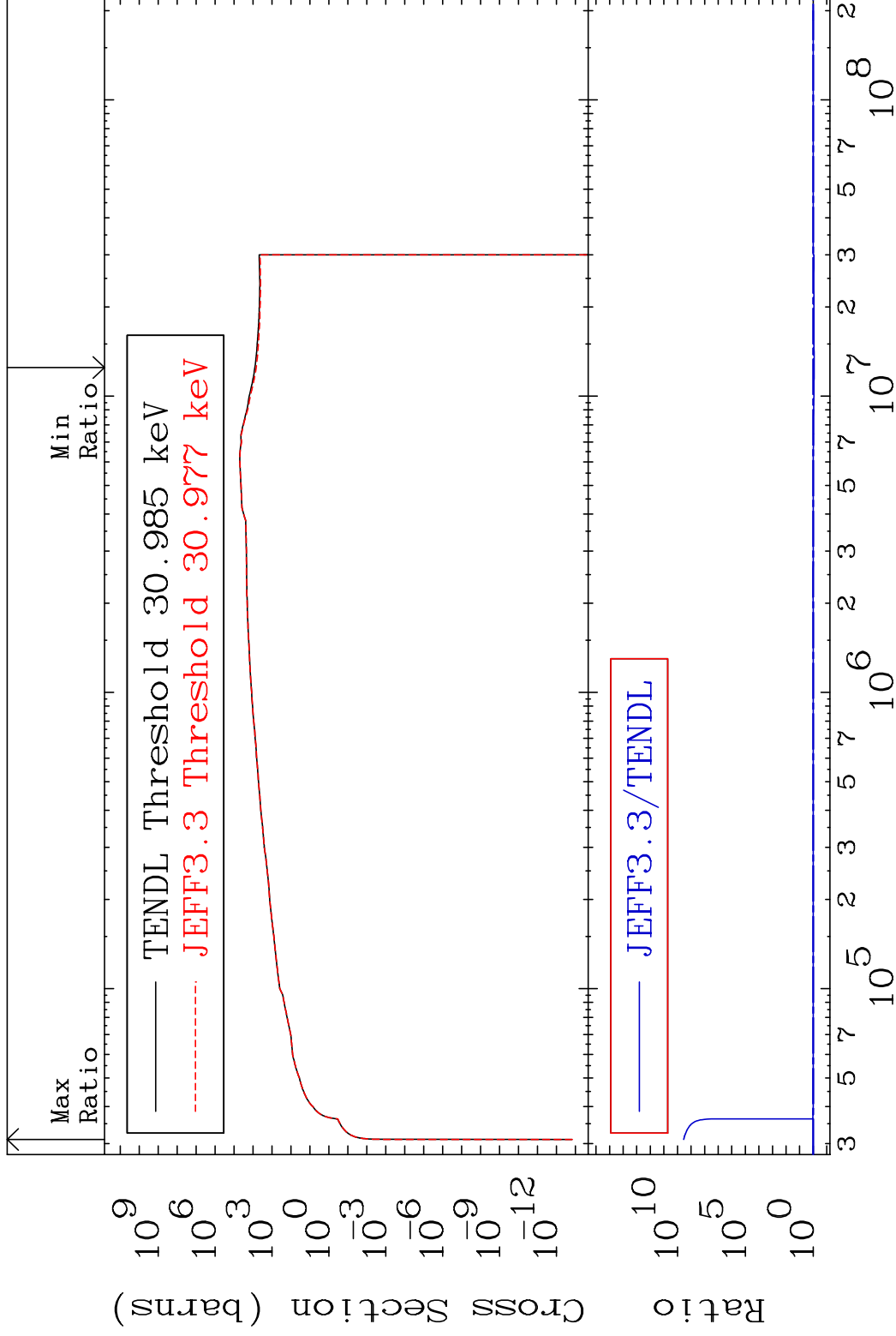
76-0s-189

MAT 7640

Dpa inelastic (mt51-91)

76-0s-189

Cross Section -14.12 To 9999. %

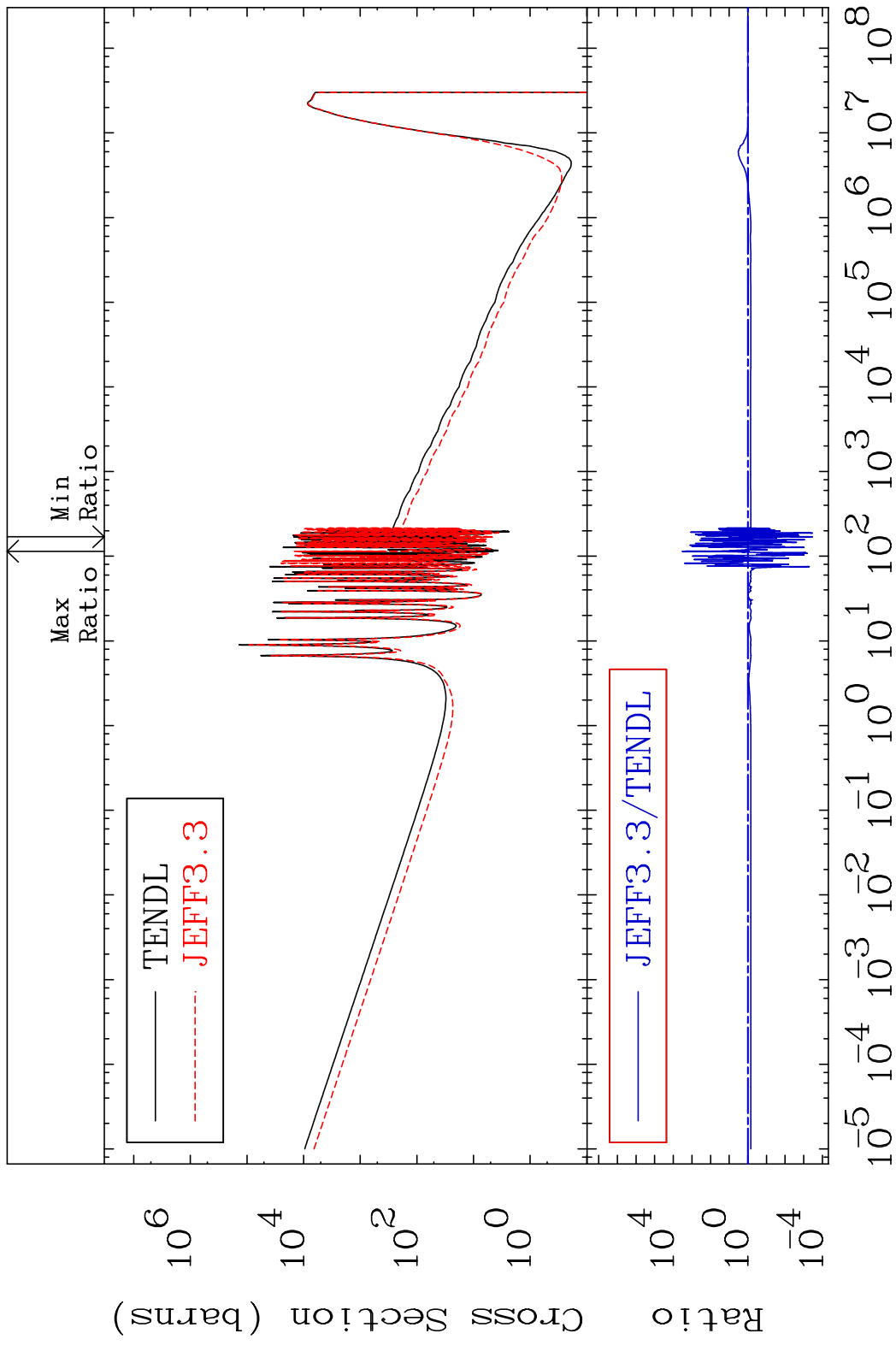


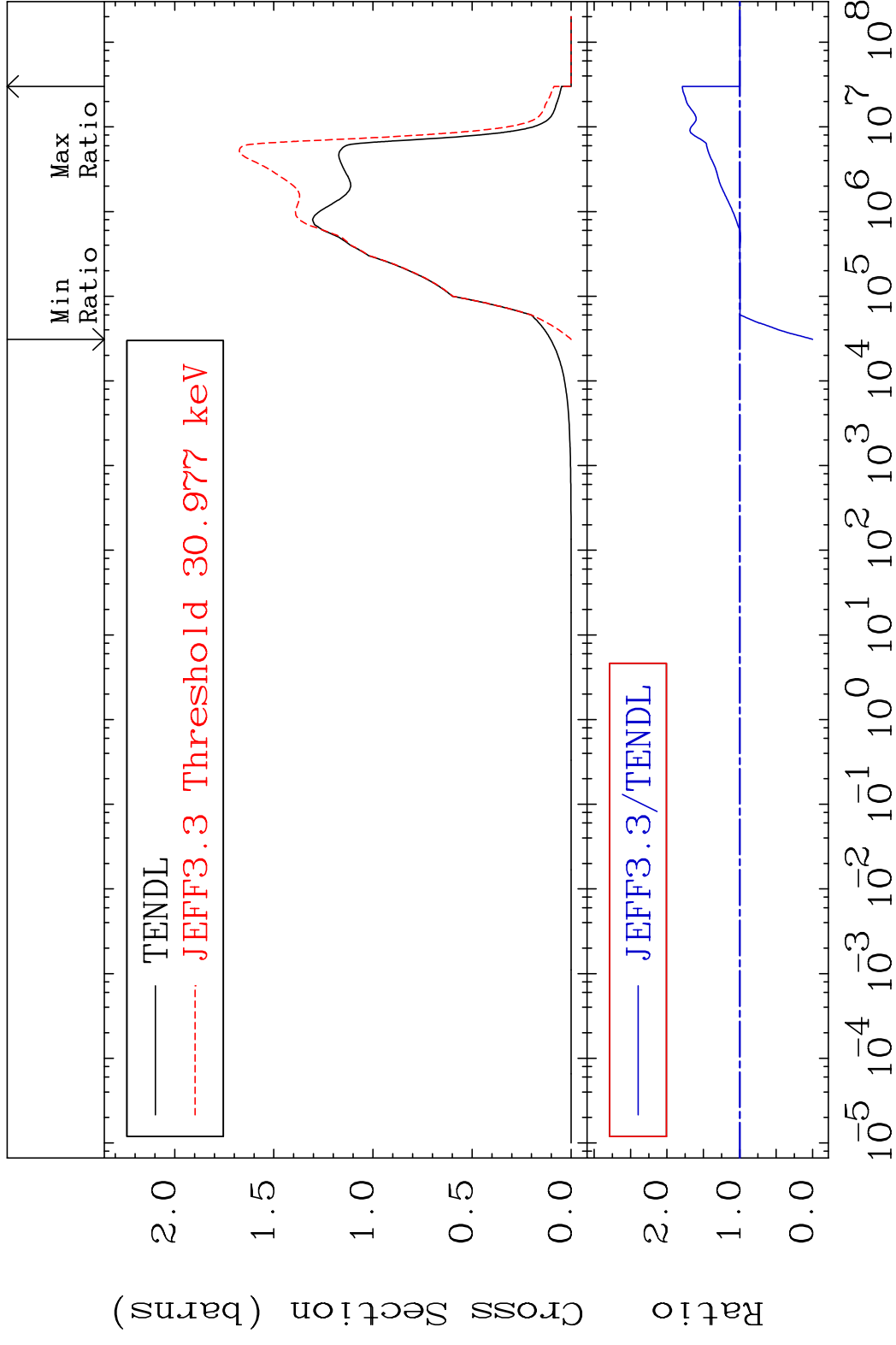
77

Incident Energy (eV)

76-0s-189

MAT 7640 Dpa disappearance (mt102 -120) 76-0s-189  
 Cross Section -99.97 To 9999. %







MAT 7640 Inelastic: 76-Os-189m1 76-Os-189  
 Radionuclide Production Cross Section 56.221 d10 1.540 %

