

Program Complot
(Version 2021-1)

by

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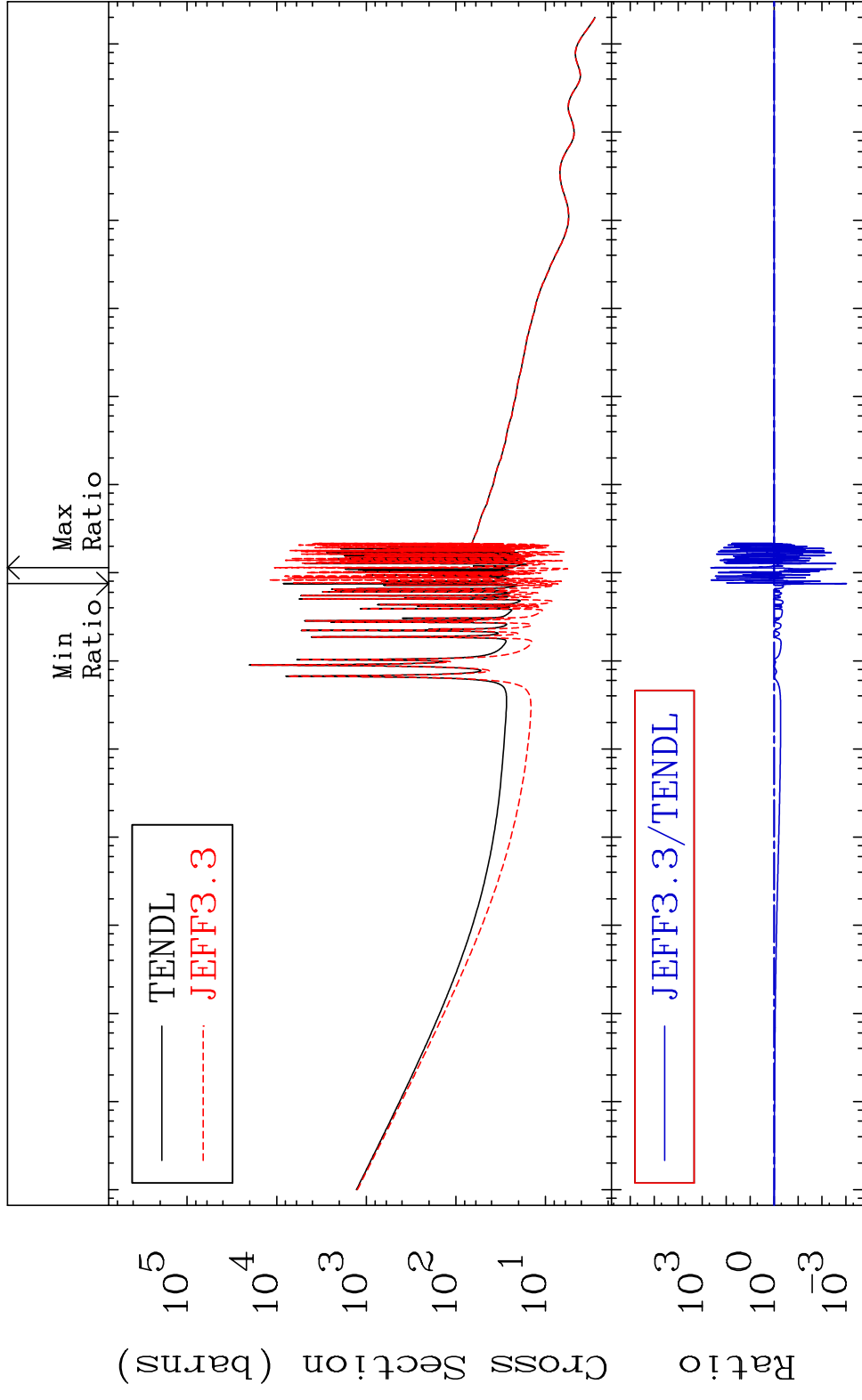
Press Mouse Button to Start

MAT 7640

Total

76-0s-189

Cross Section -99.90 To 9999. %



10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

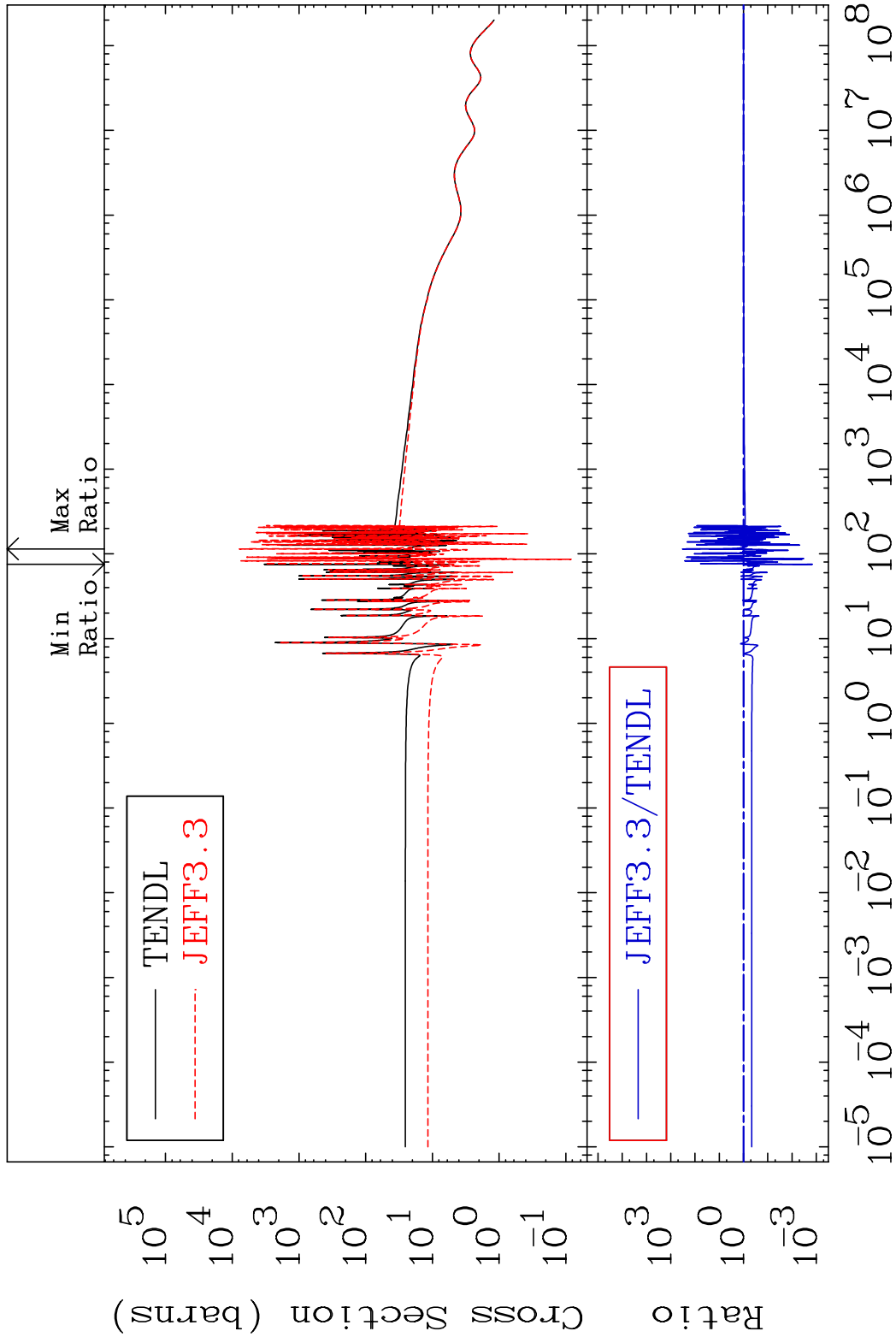
76-0s-189

MAT 7640

Elastic

76-0s-189

Cross Section -99.86 To 9999. %

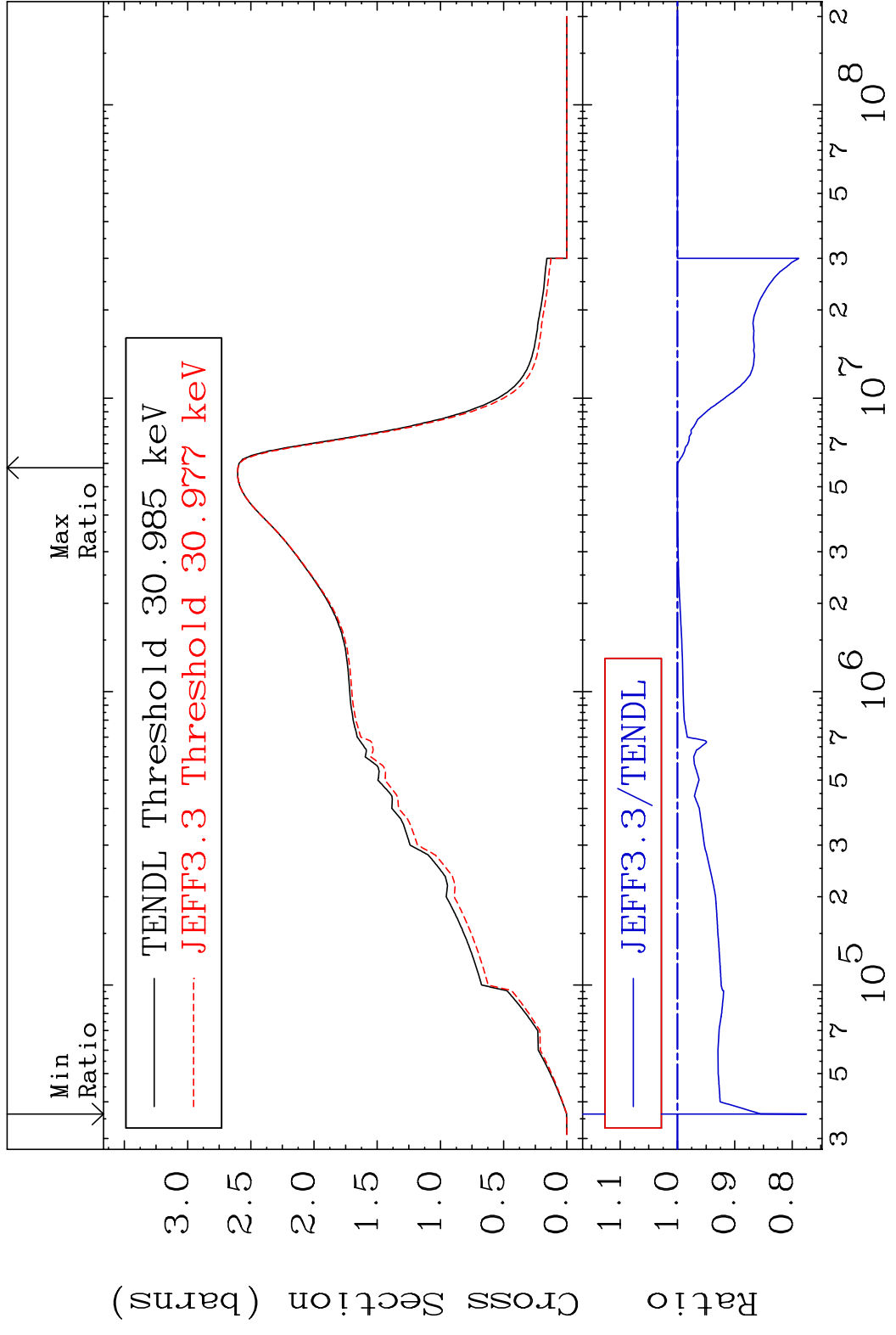


2

Incident Energy (eV)

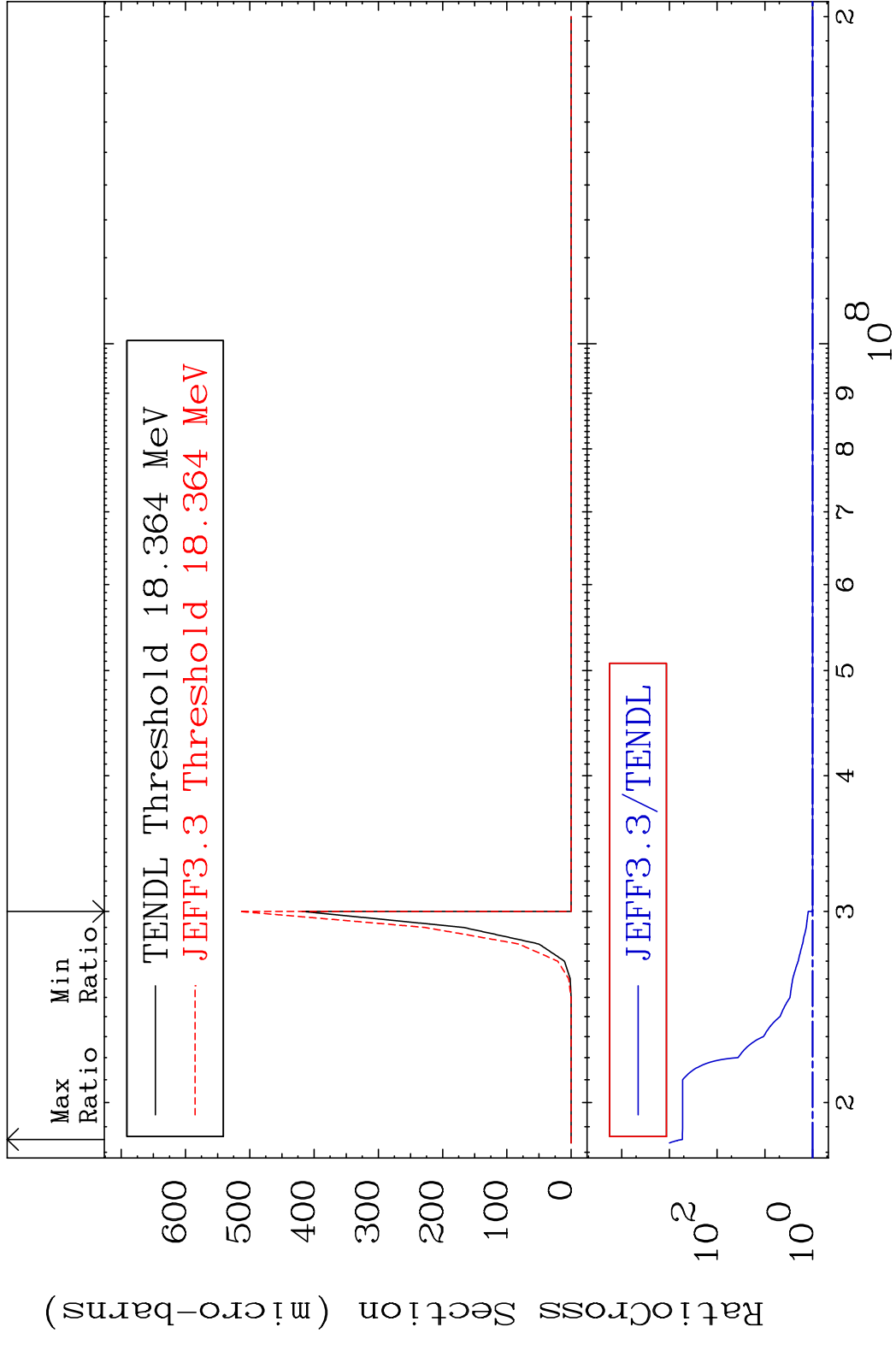
76-0s-189

MAT 7640 Inelastic Cross Section -22.49 To 0.041 % 76-0s-189



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

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



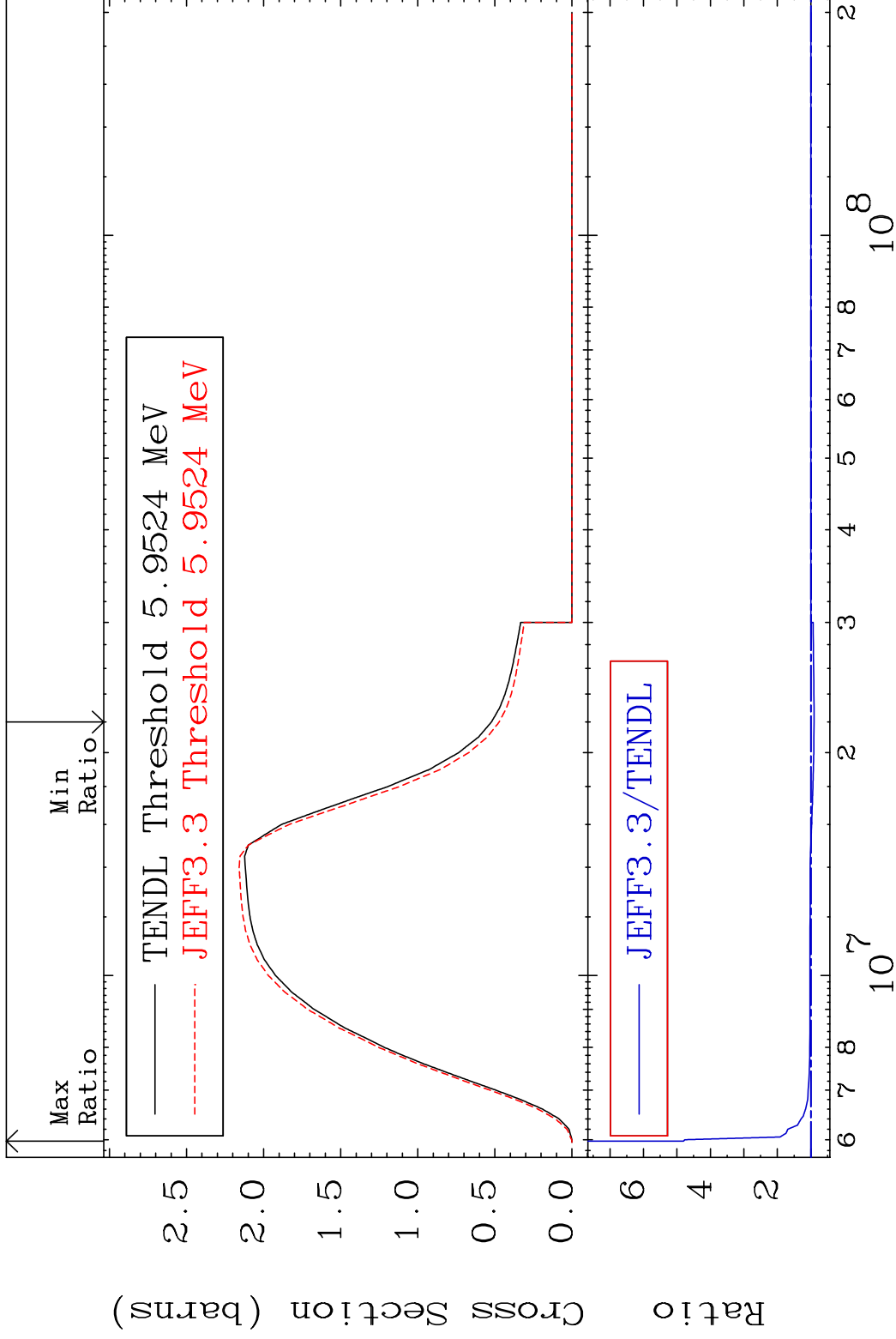
4 Incident Energy (eV) 76-0s-189

MAT 7640

(n,2n)

76-0s-189

Cross Section -9.613 To 380.5 %



5

Incident Energy (eV)

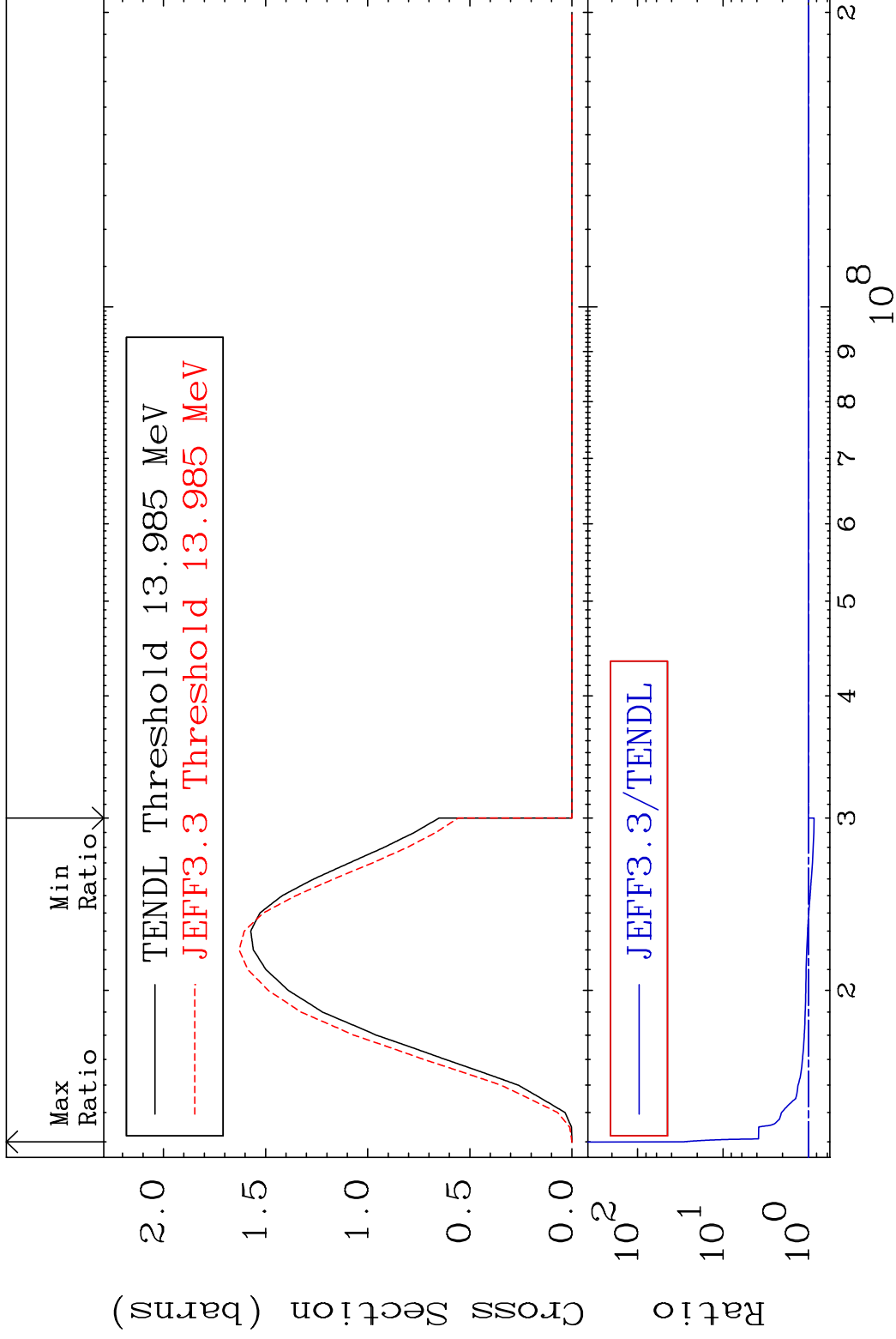
76-0s-189

MAT 7640

(n,3n)

76-0s-189

Cross Section -14.30 To 2804. %



6

Incident Energy (eV)

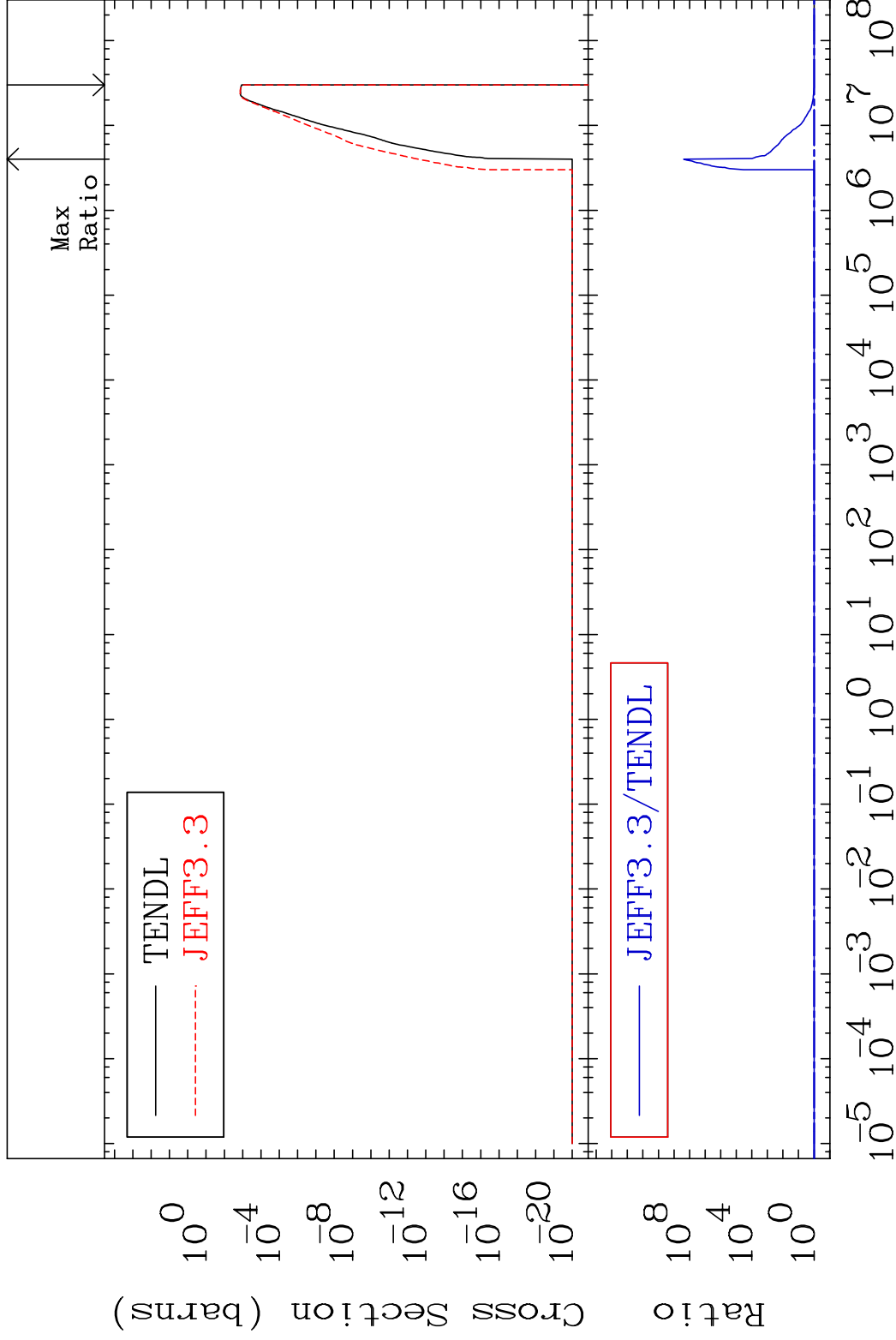
76-0s-189

MAT 7640

(n, n') α

76-Os-189

Cross Section -0.708 To 9999. %

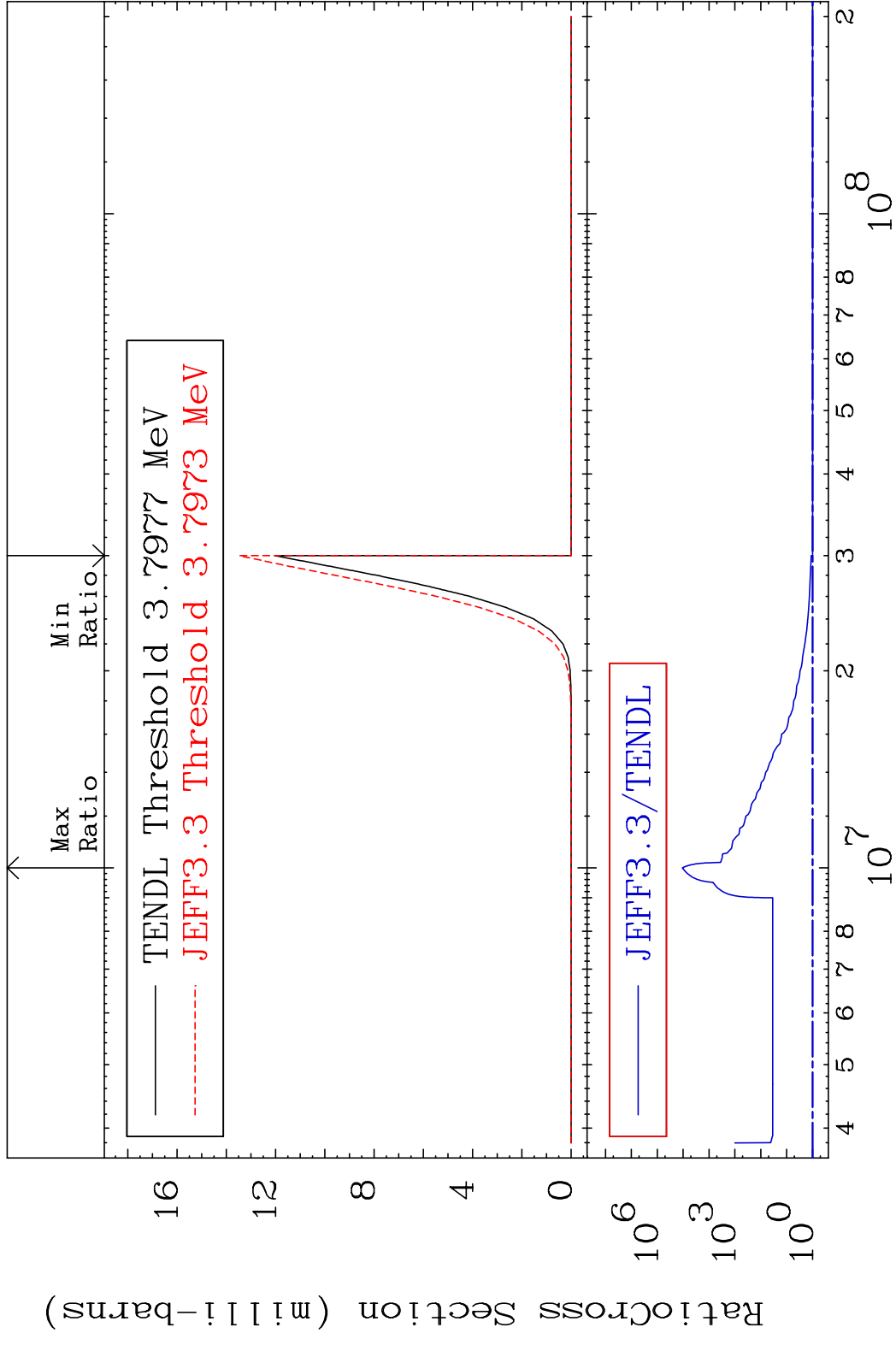


7

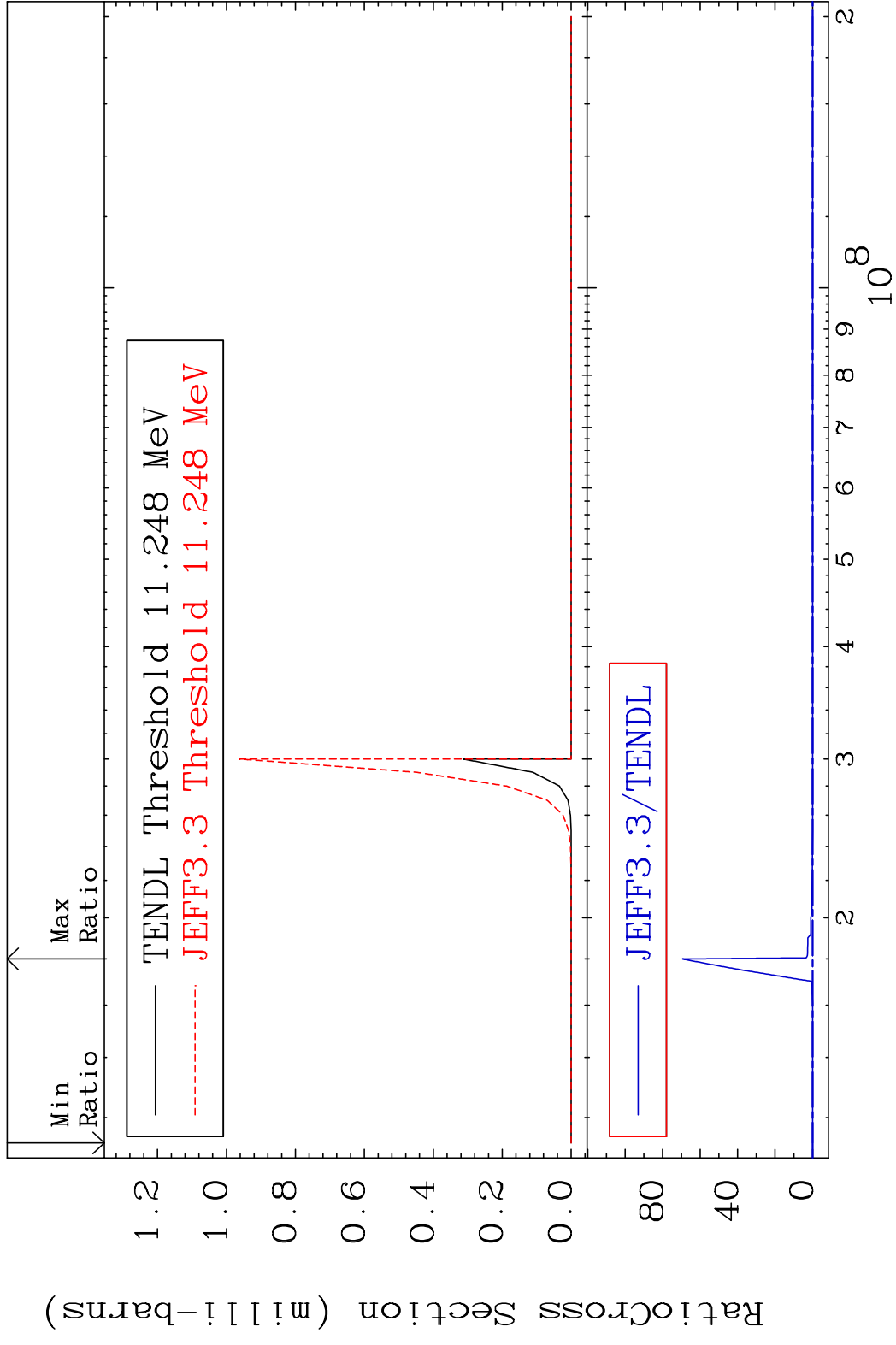
Incident Energy (eV)

76-Os-189

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



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

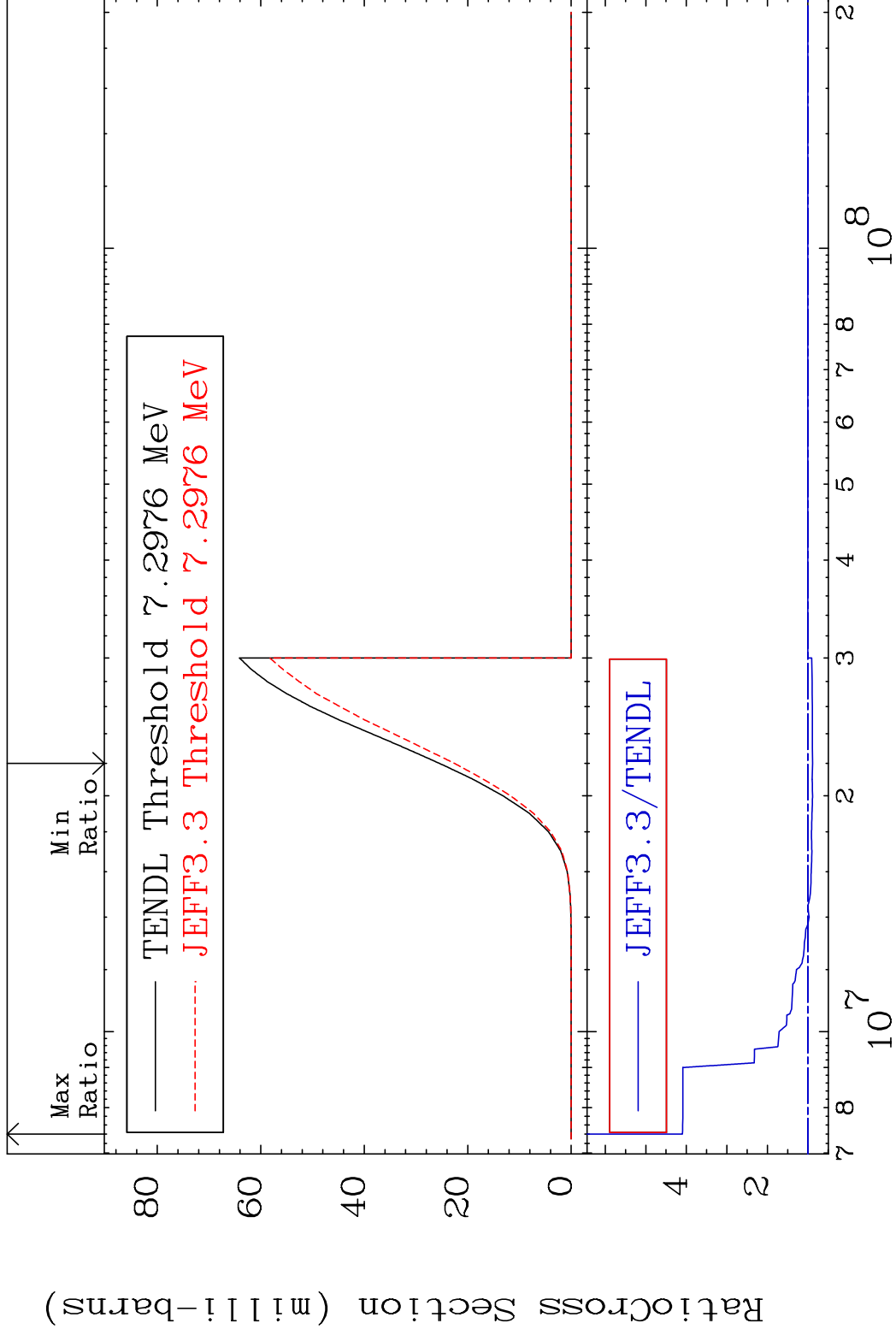


MAT 7640

(n, n') p

76-0s-189

Cross Section -11.45 To 309.8 %

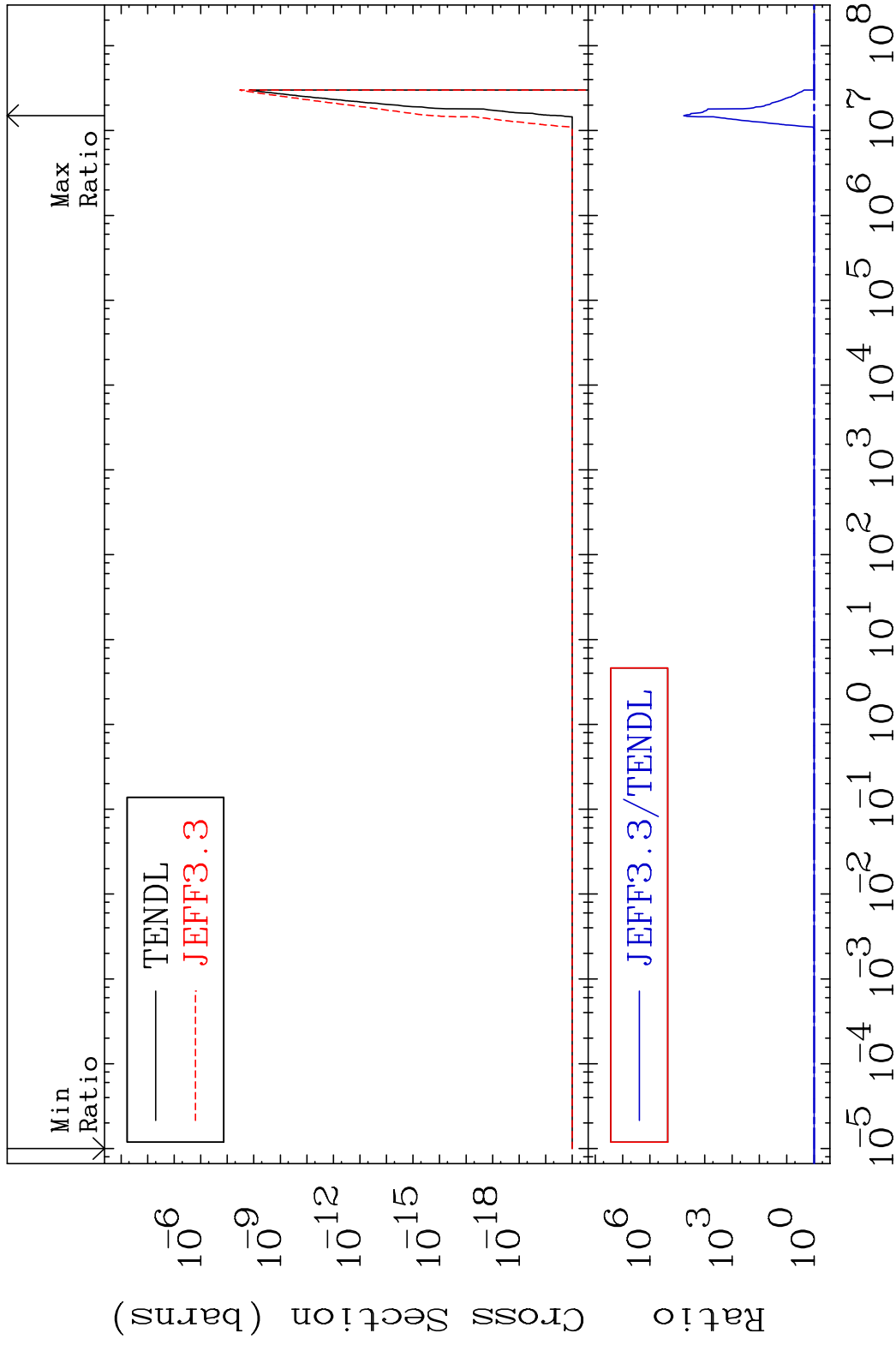


MAT 7640

(n, n') 2α

76-Os-189

Cross Section 0.000 To 9999. %

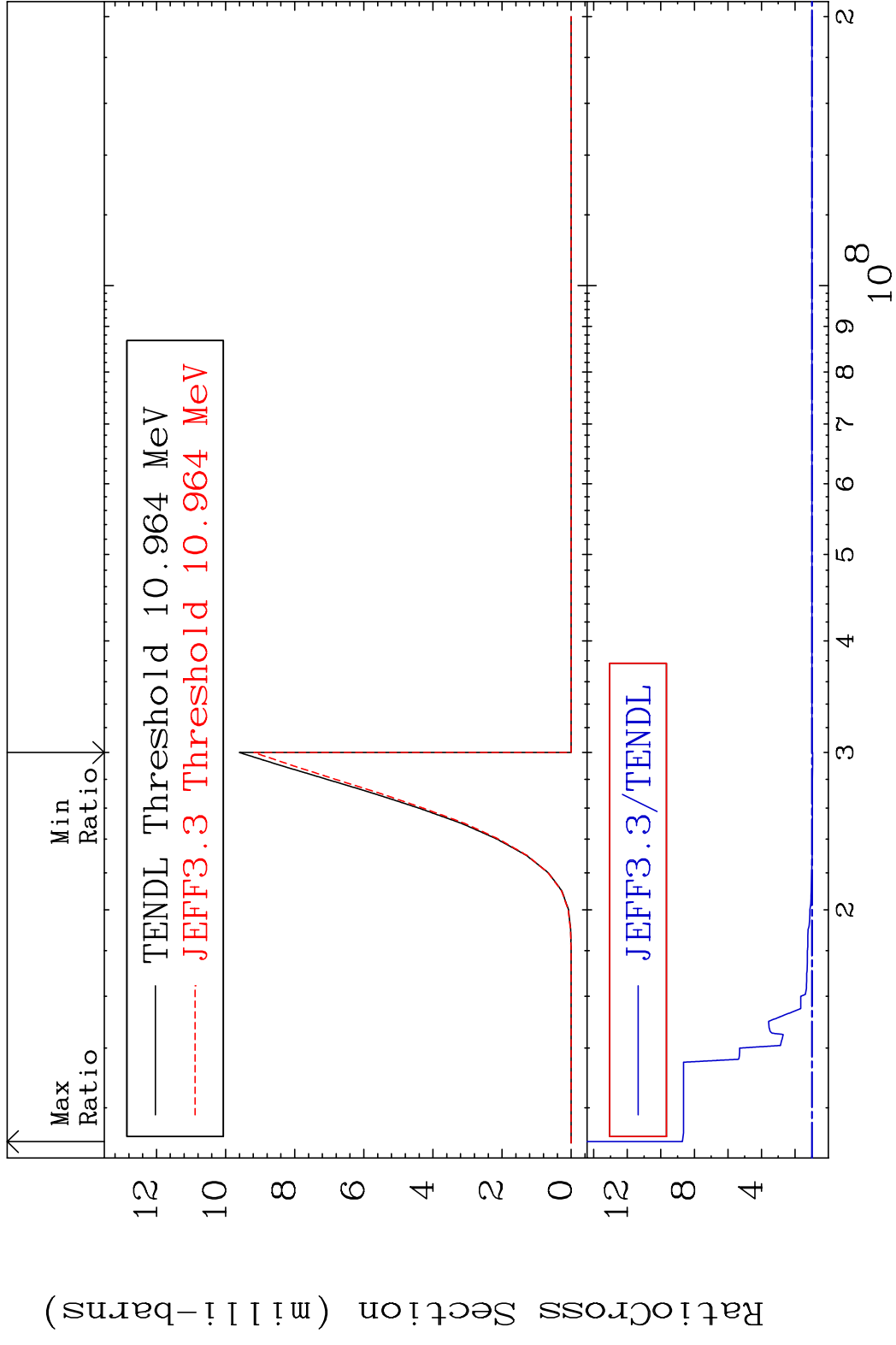


11

Incident Energy (eV)

76-Os-189

MAT 7640 (n, n') d 76-Os-189
 Cross Section -4.384 To 771.6 %

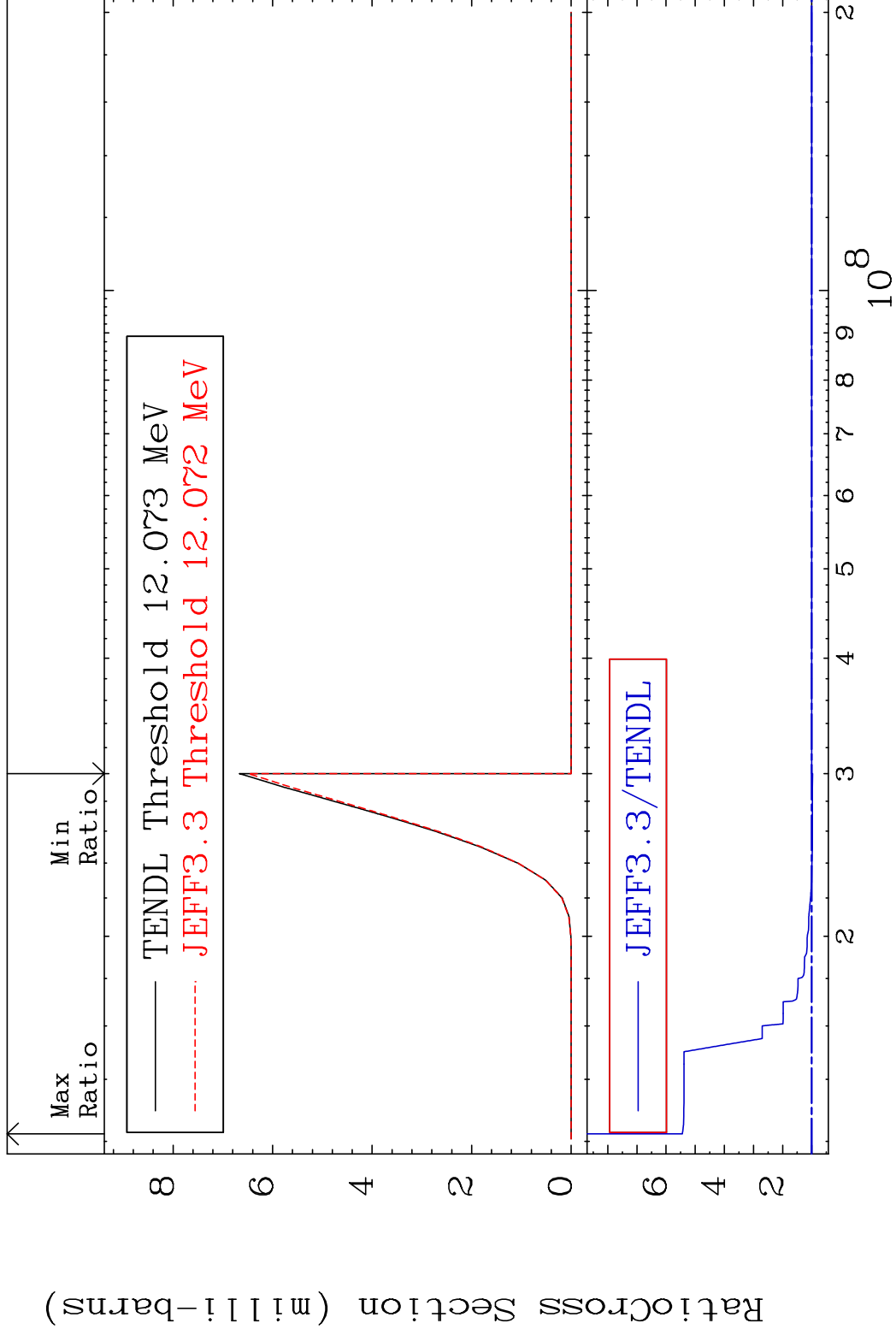


MAT 7640

(n, n') t

76-Os-189

Cross Section -2.700 To 444.1 %

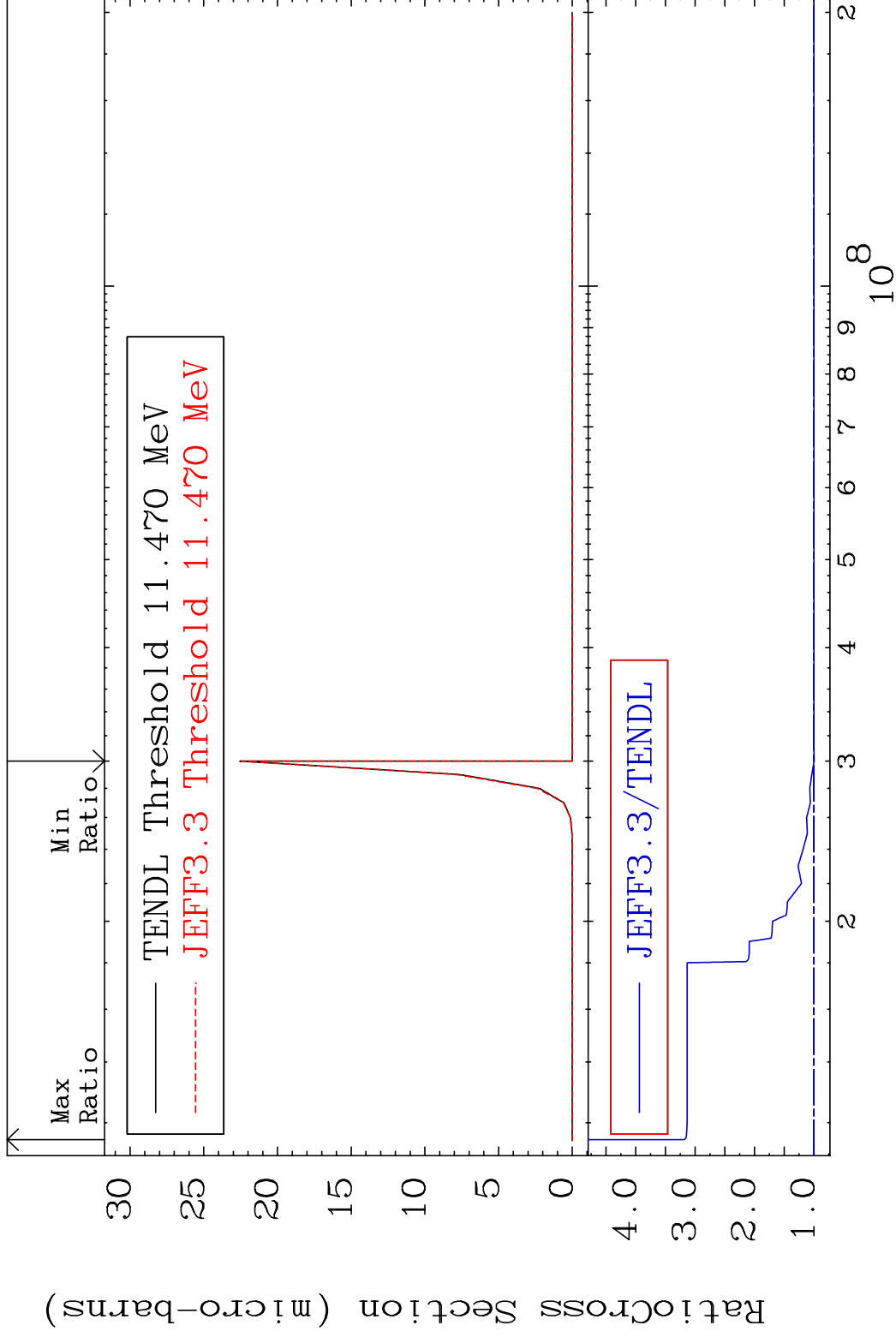


MAT 7640

(n,n') He-3

76-0s-189

Cross Section -0.485 To 219.1 %



14

Incident Energy (eV)

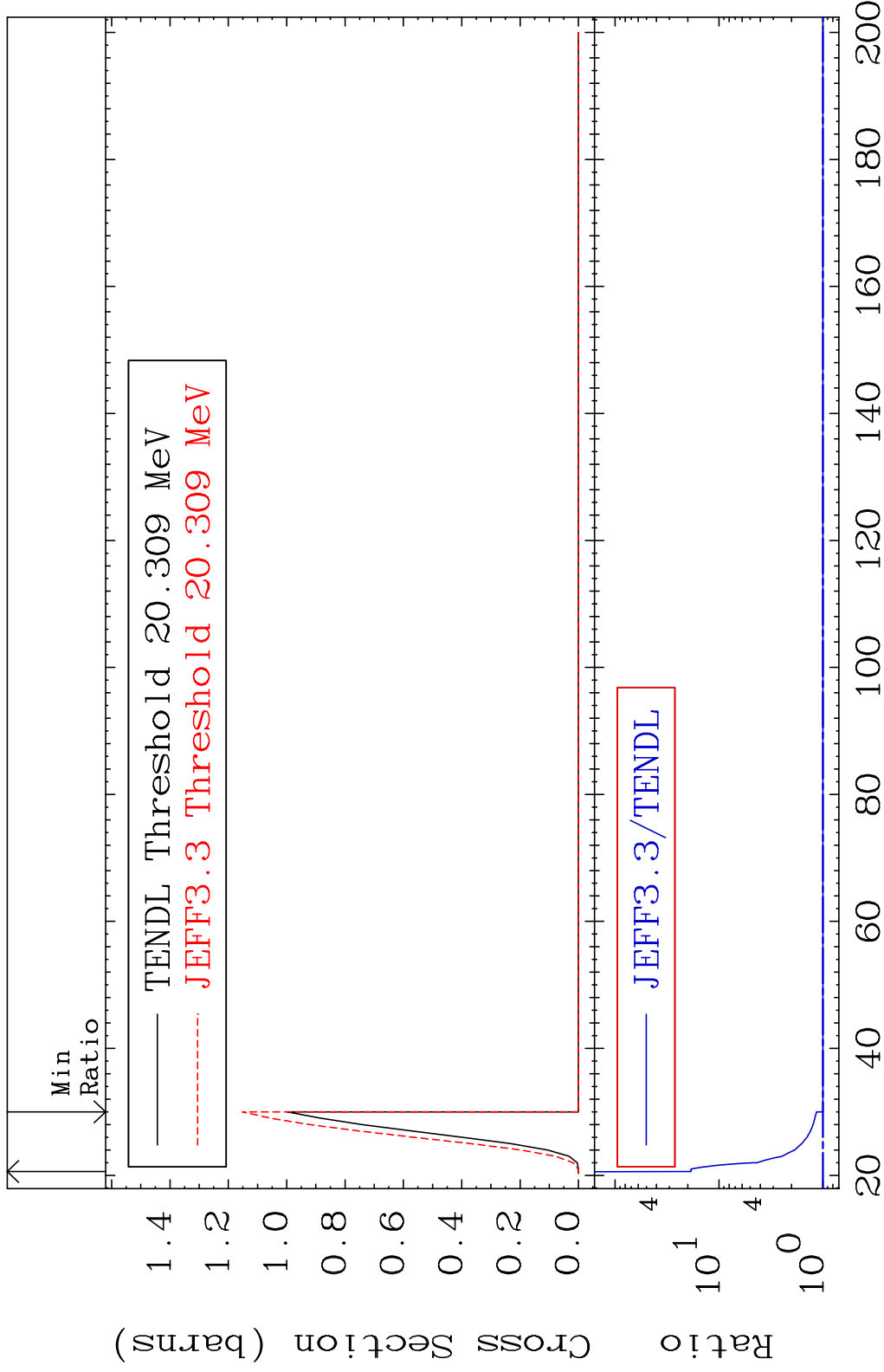
76-0s-189

MAT 7640

(n,4n)

76-Os-189

Cross Section 0.000 To 1760. %



15

Incident Energy (MeV)

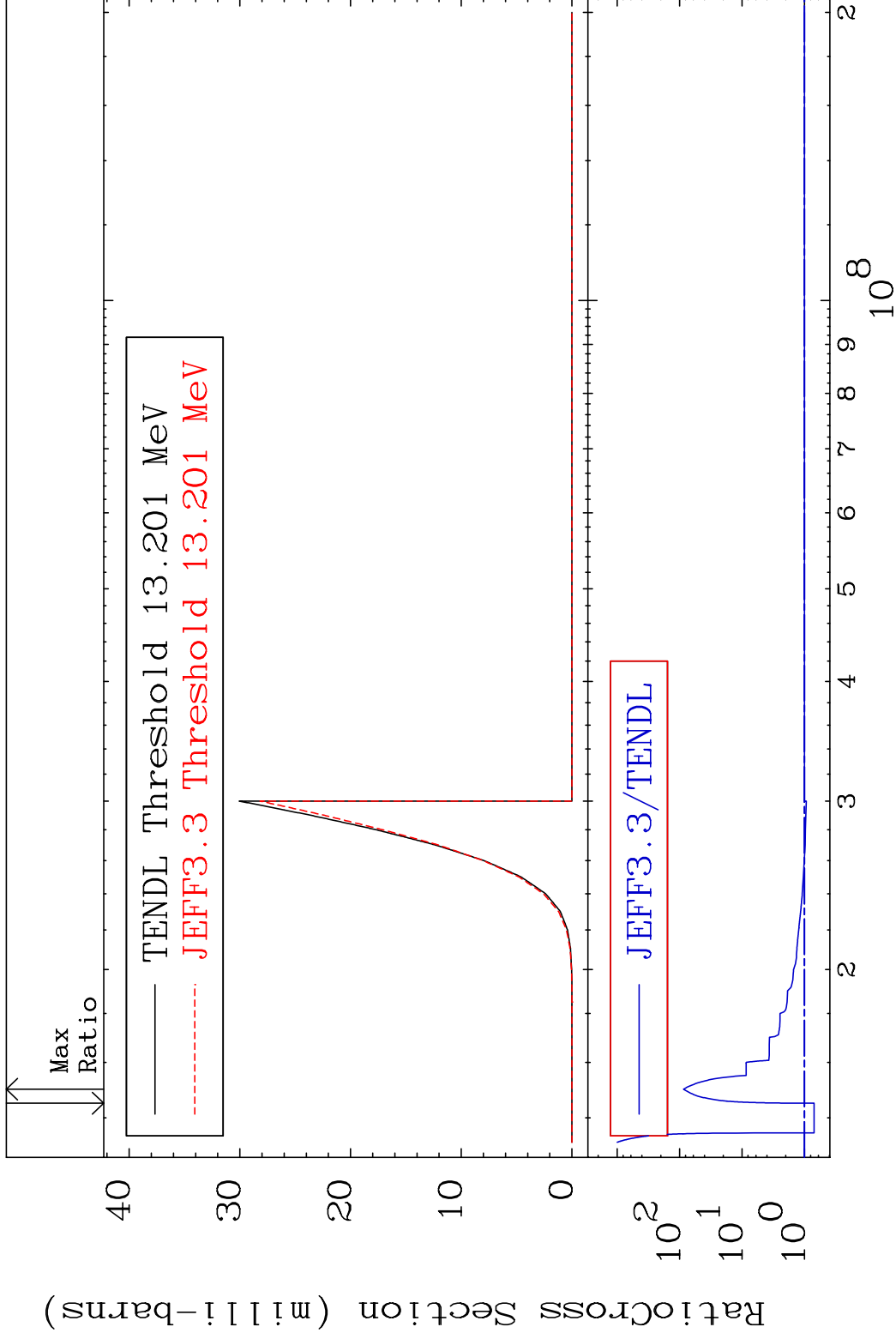
76-Os-189

MAT 7640

(n,2n) p

76-0s-189

Cross Section -29.65 To 8563. %

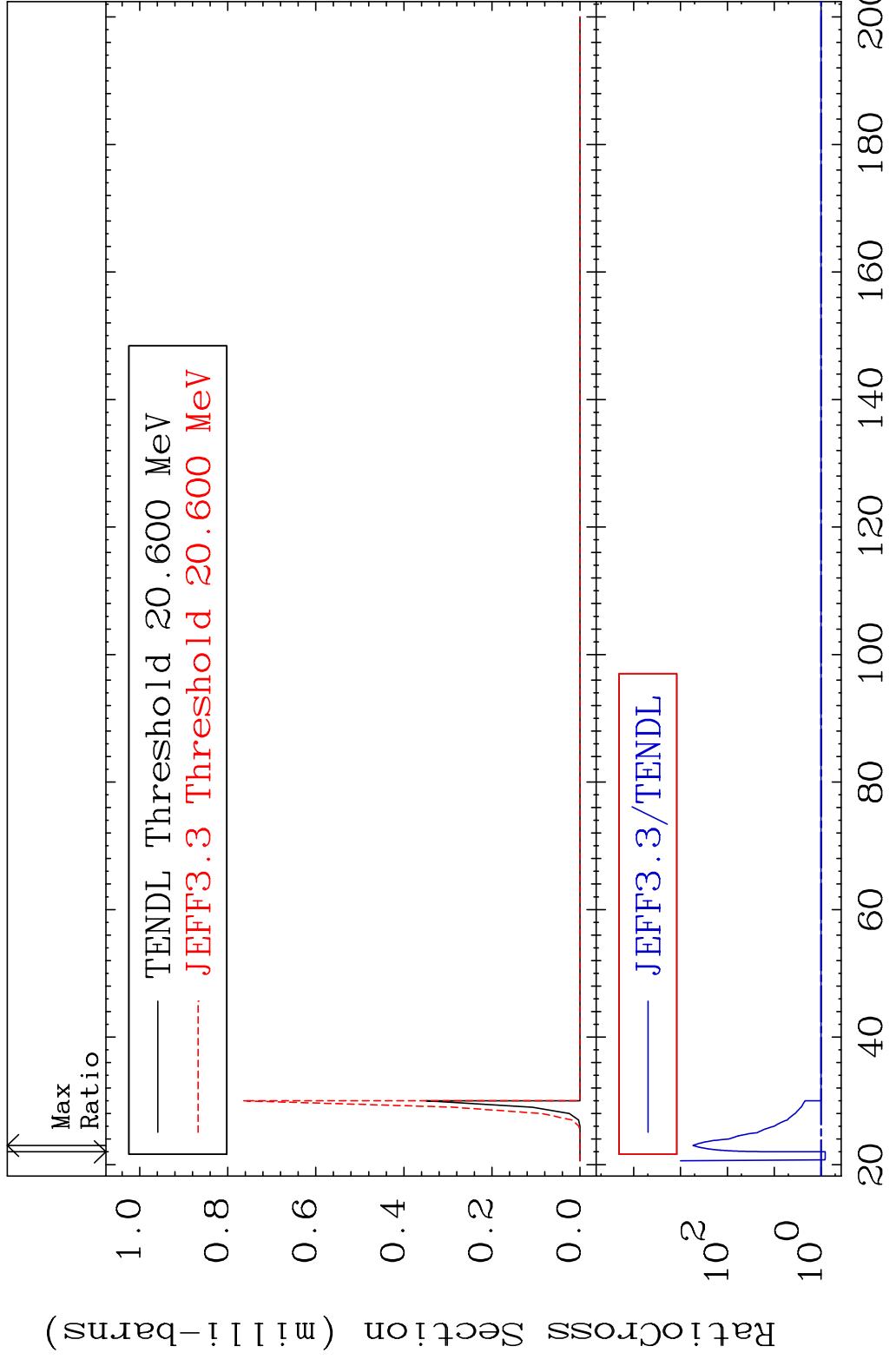


16

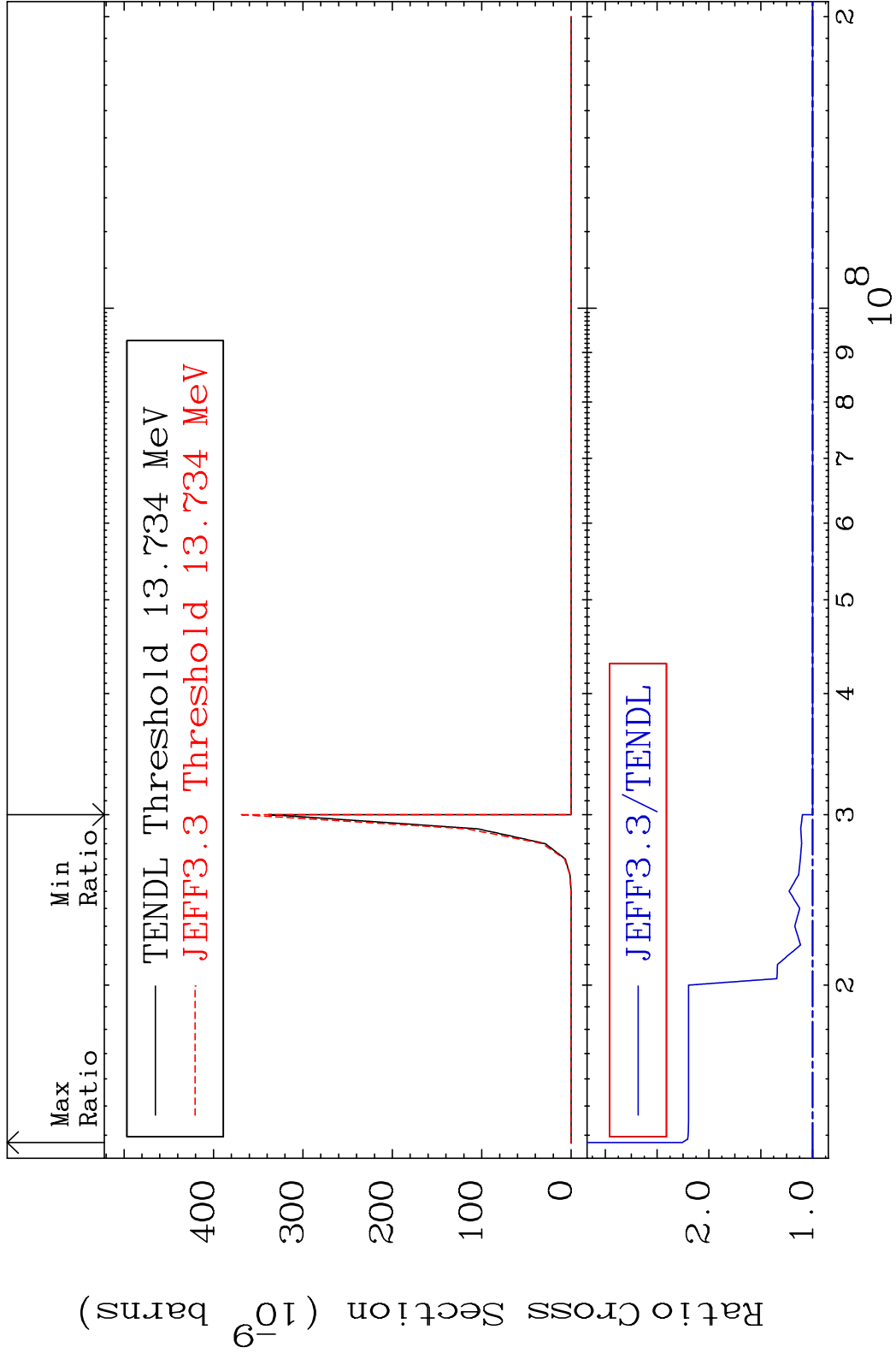
Incident Energy (eV)

76-0s-189

MAT 7640 (n,3n) p 76-0s-189
 Cross Section -18.20 To 9999. %

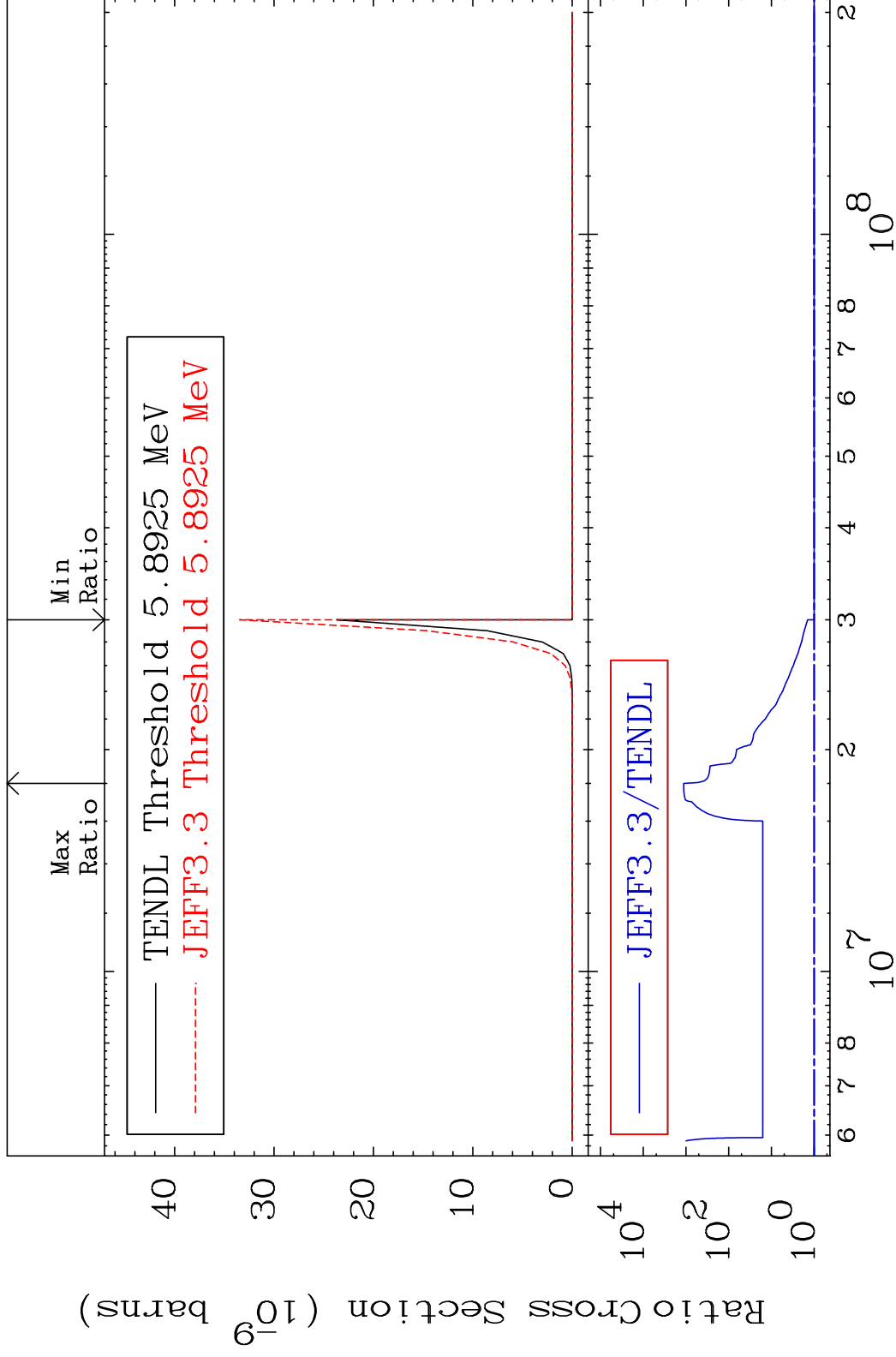


MAT 7640 (n,2n) p 76-0s-189
 Cross Section 0.000 To 125.7 %



MAT 7640

(n, n') p α 76-0s-189
Cross Section 0.000 To 9999. %

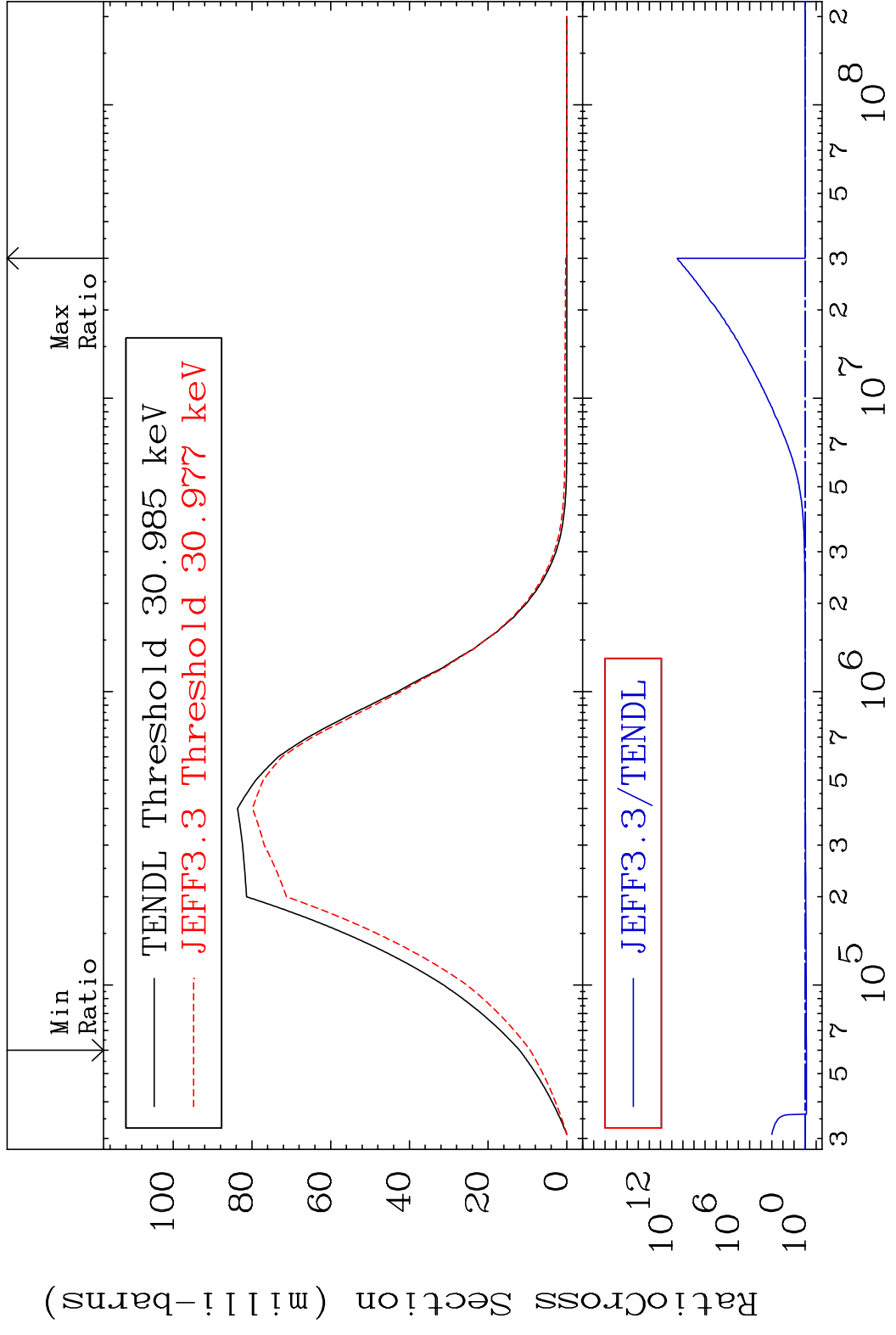


19

Incident Energy (eV)

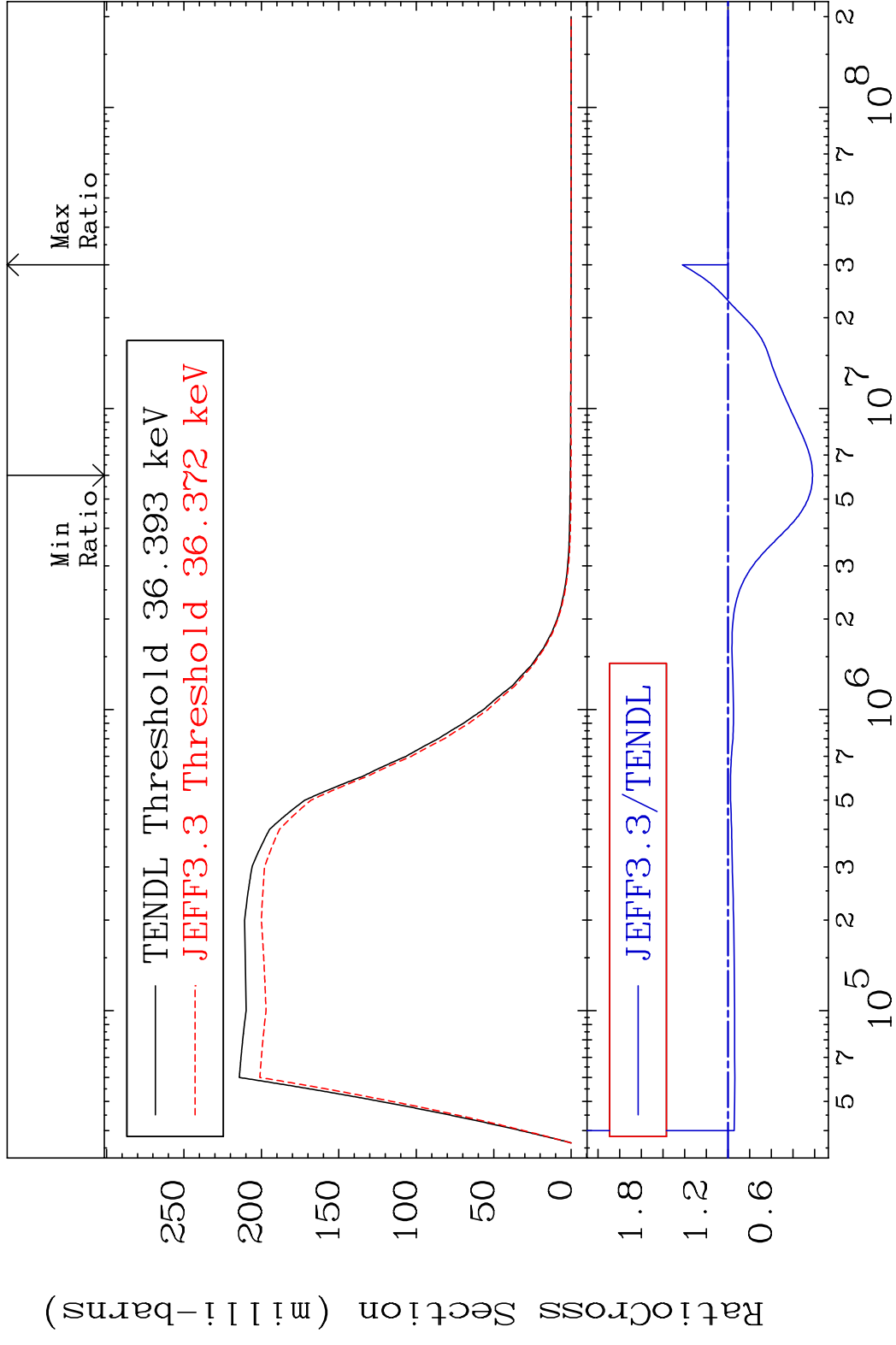
76-0s-189

MAT 7640 MT= 51 (n,n') Level 76-0s-189
 Cross Section -22.59 To 9999. %

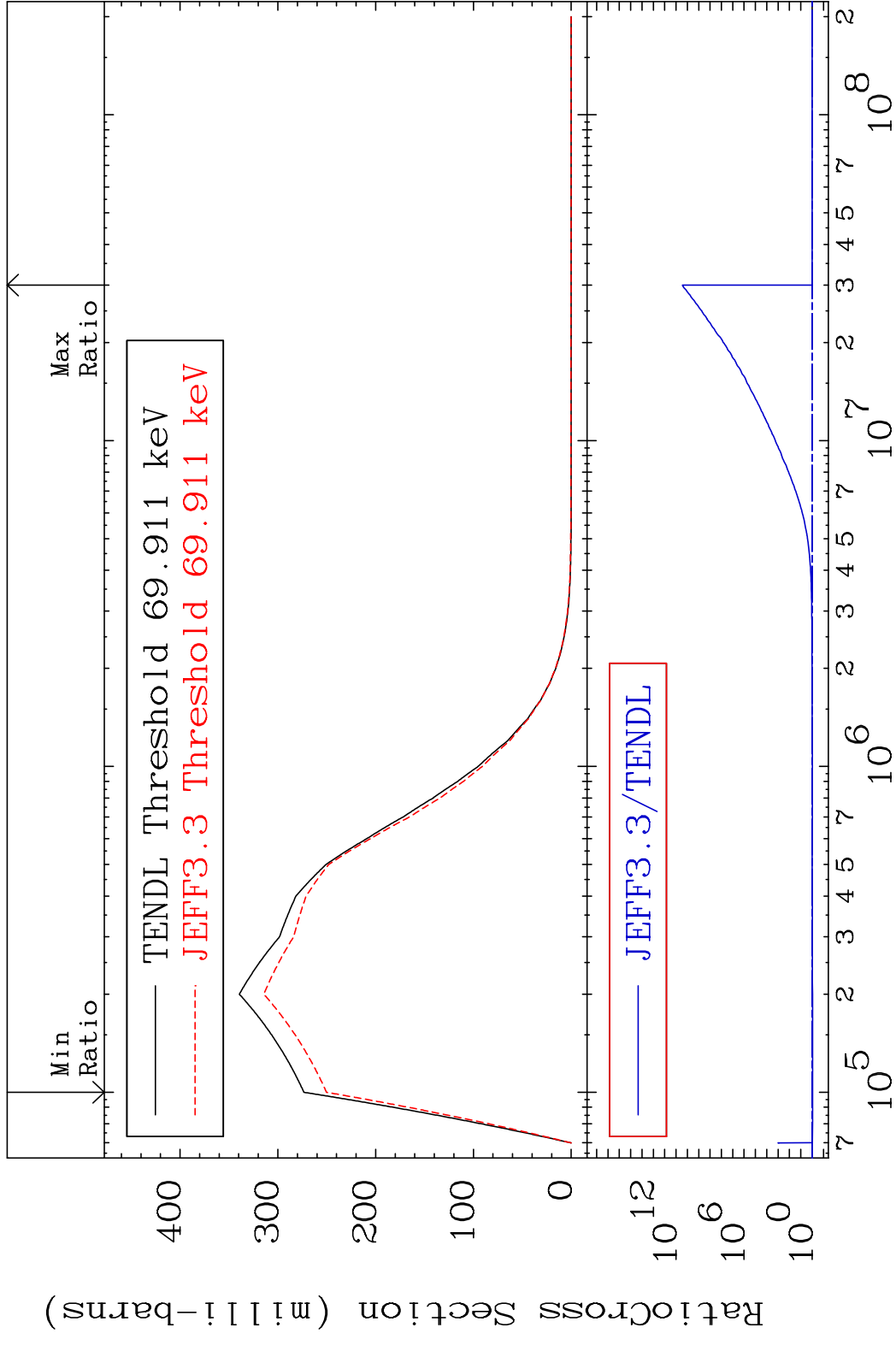


20 Incident Energy (eV) 76-0s-189

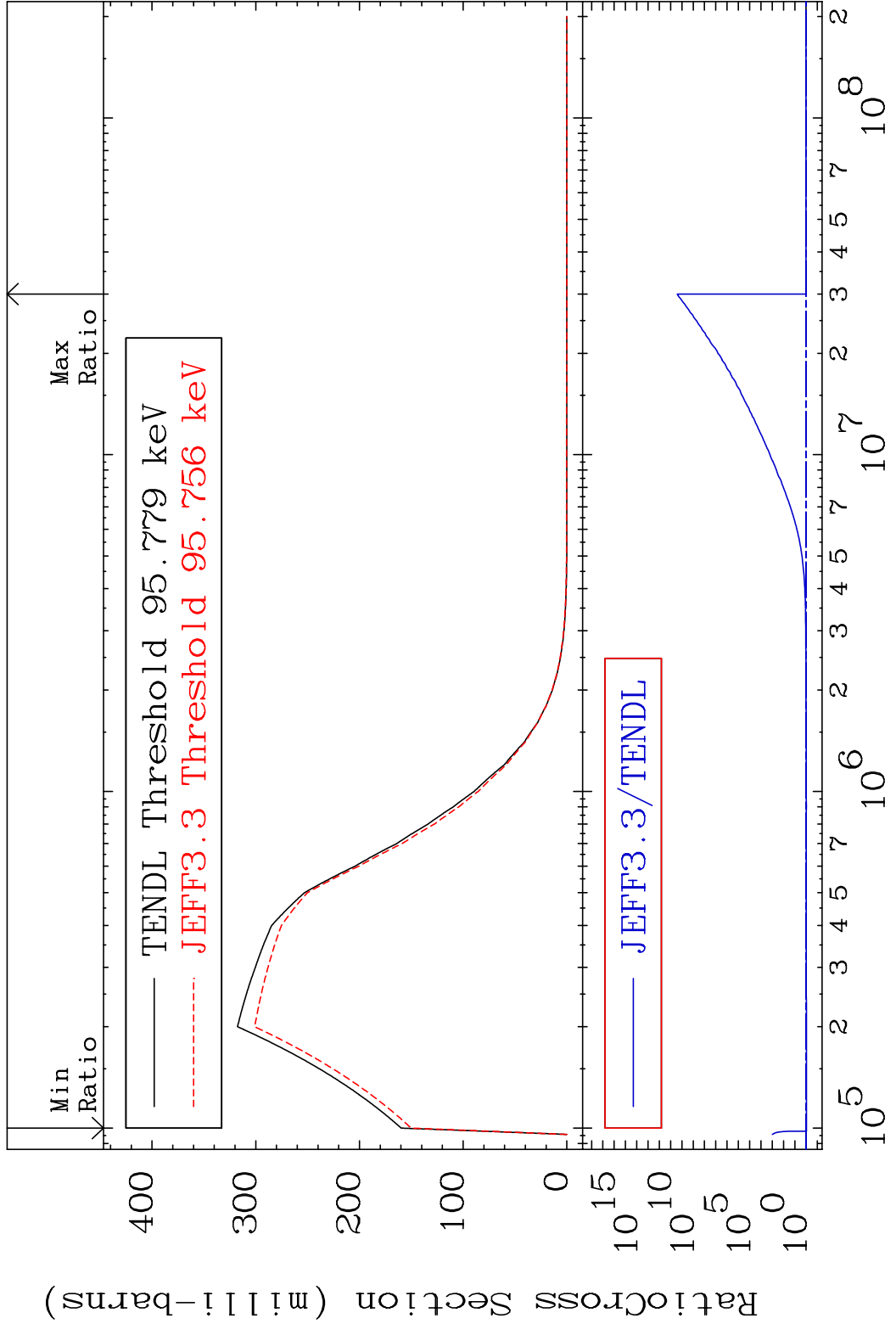
MAT 7640 MT= 52 (n,n') Level 76-0s-189
 Cross Section -77.97 To 42.12 %



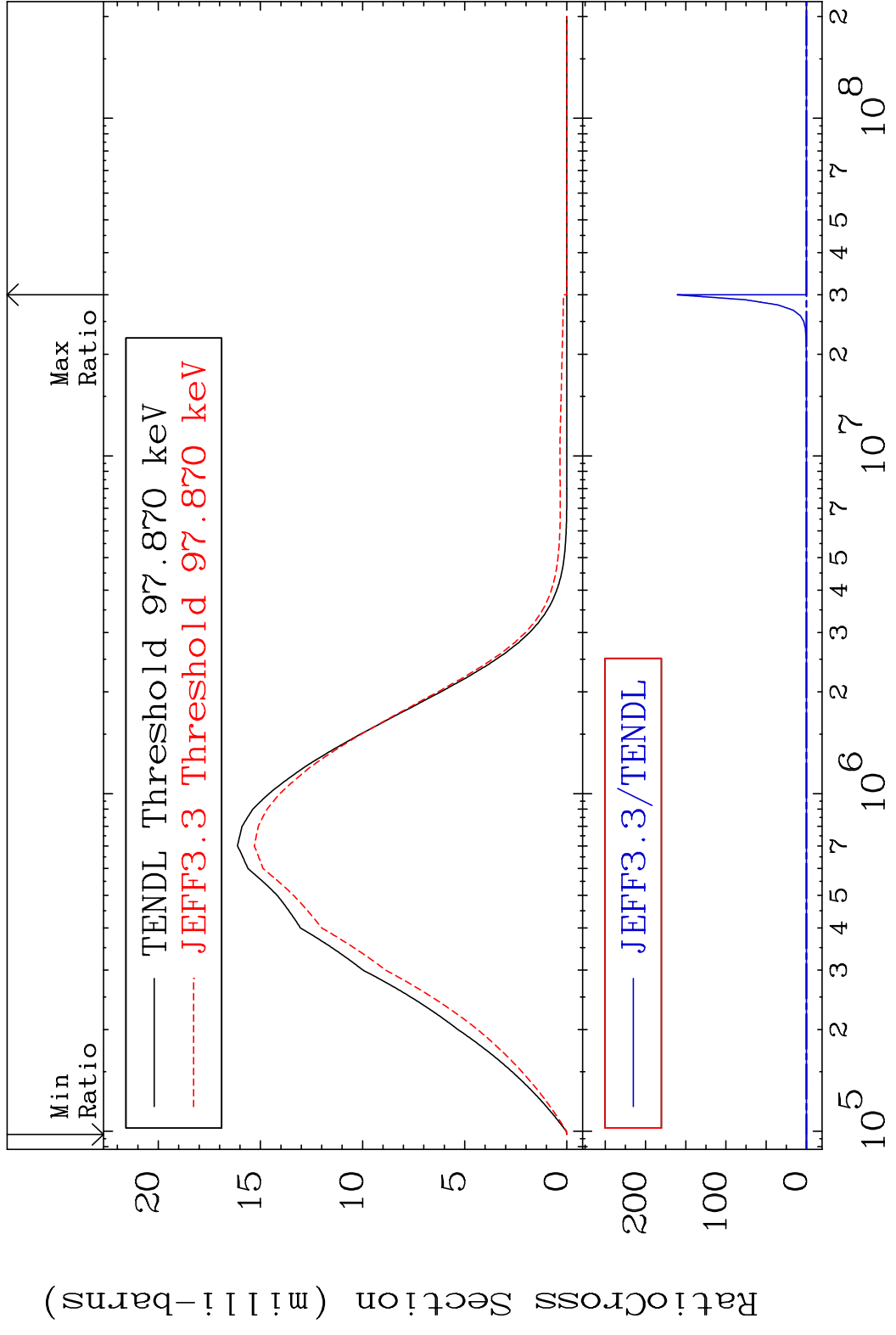
MAT 7640 MT= 53 (n, n') Level 76-0s-189
 Cross Section -8.428 To 9999. %



MAT 7640 MT= 54 (n,n') Level 76-0s-189
 Cross Section -6.039 To 9999. %

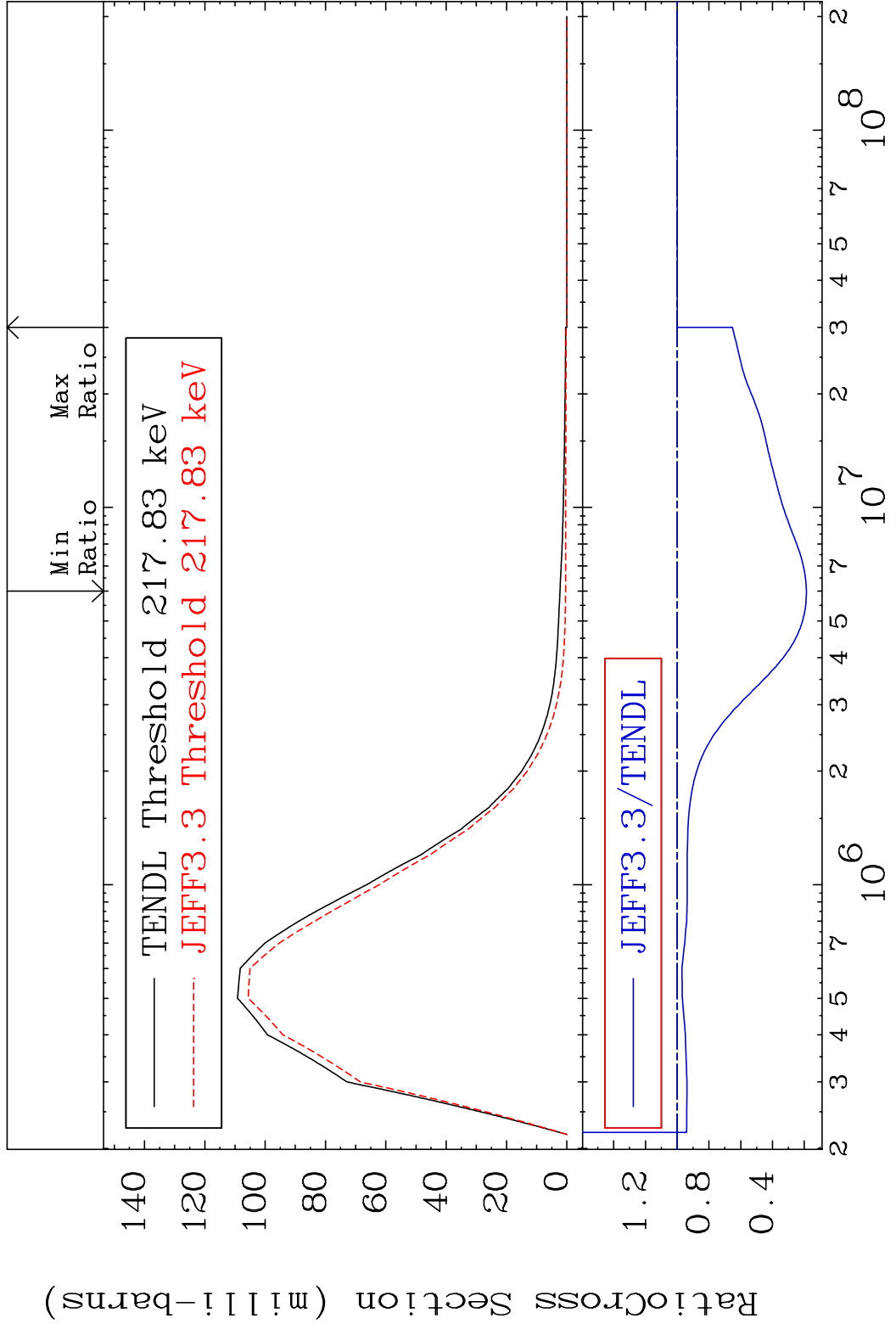


MAT 7640 MT= 55 (n,n') Level 76-0s-189
 Cross Section -100.0 To 9999. %

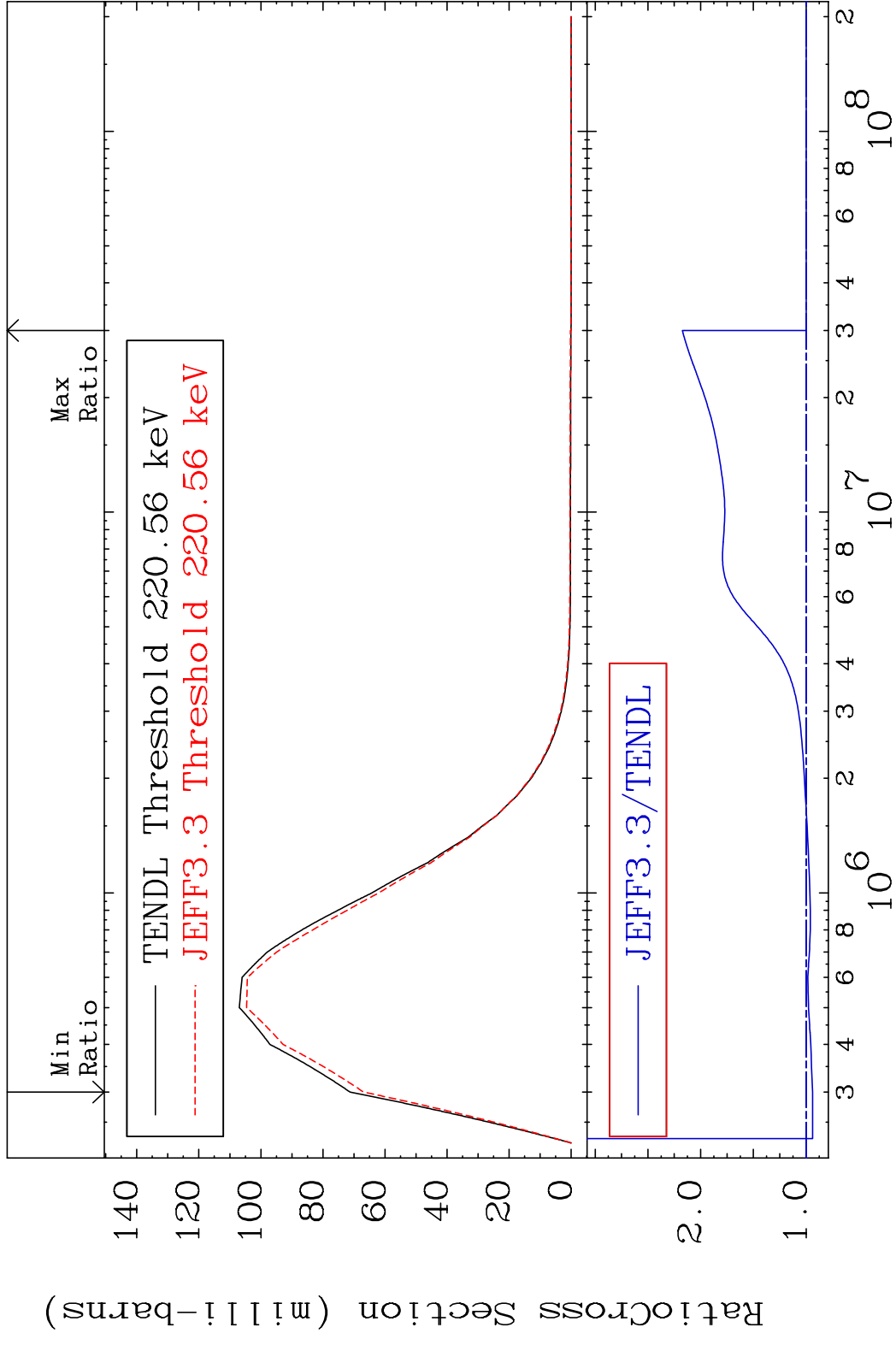


24 Incident Energy (eV) 76-0s-189

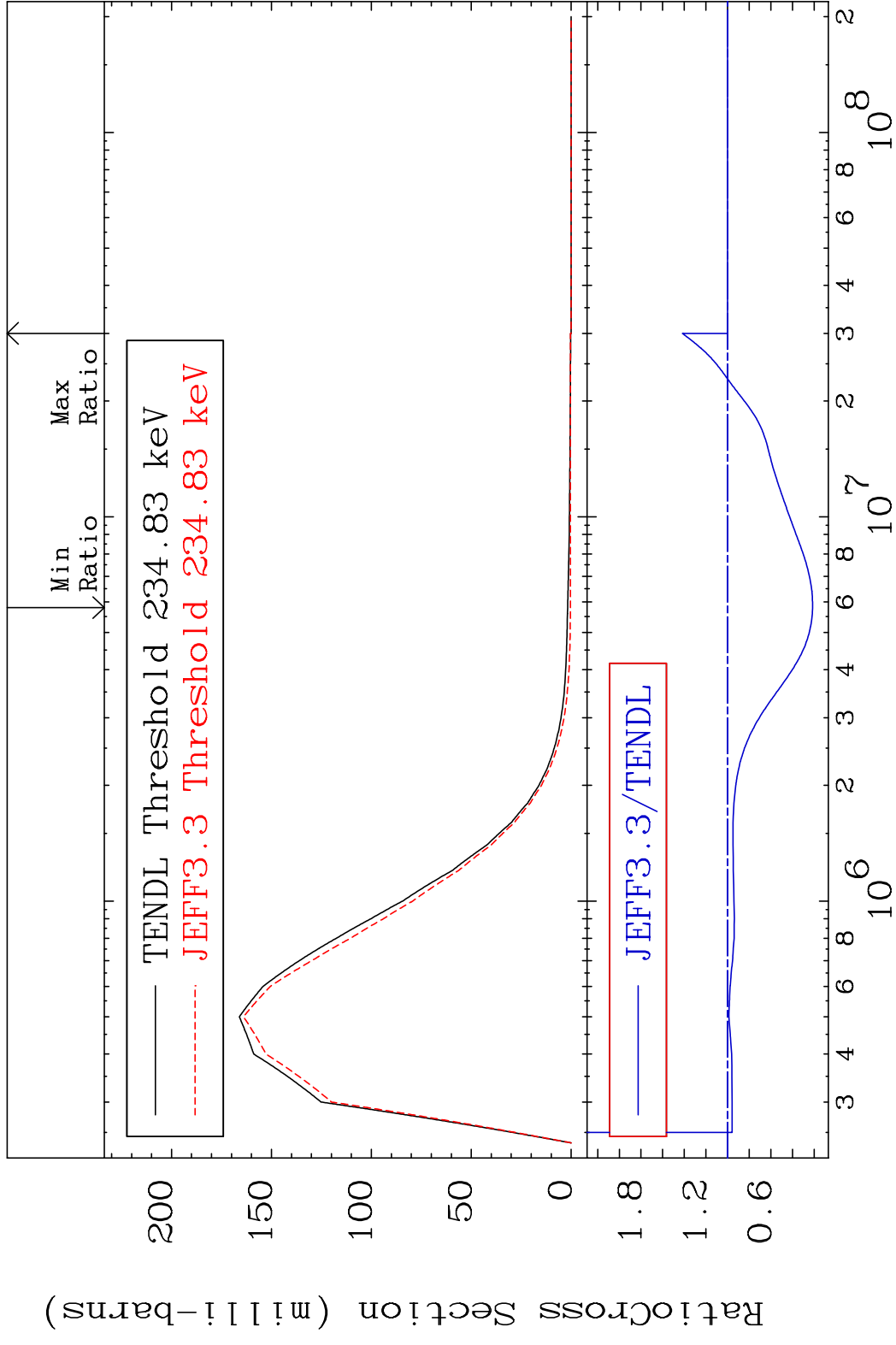
MAT 7640 MT= 56 (n, n') Level 76-0s-189
 Cross Section -81.37 To 0.000 %



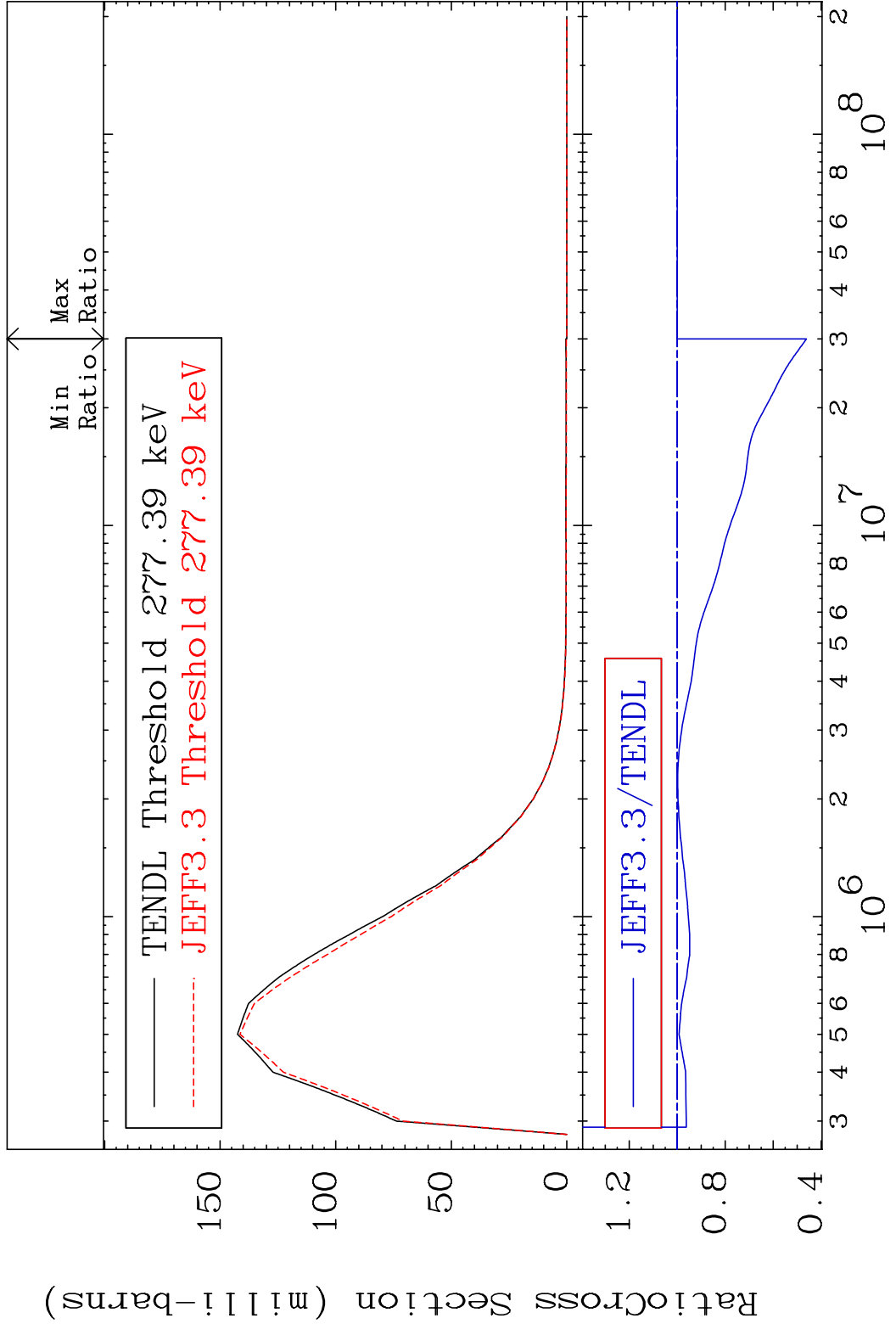
MAT 7640 MT= 57 (n,n') Level 76-0s-189
 Cross Section -6.085 To 117.4 %



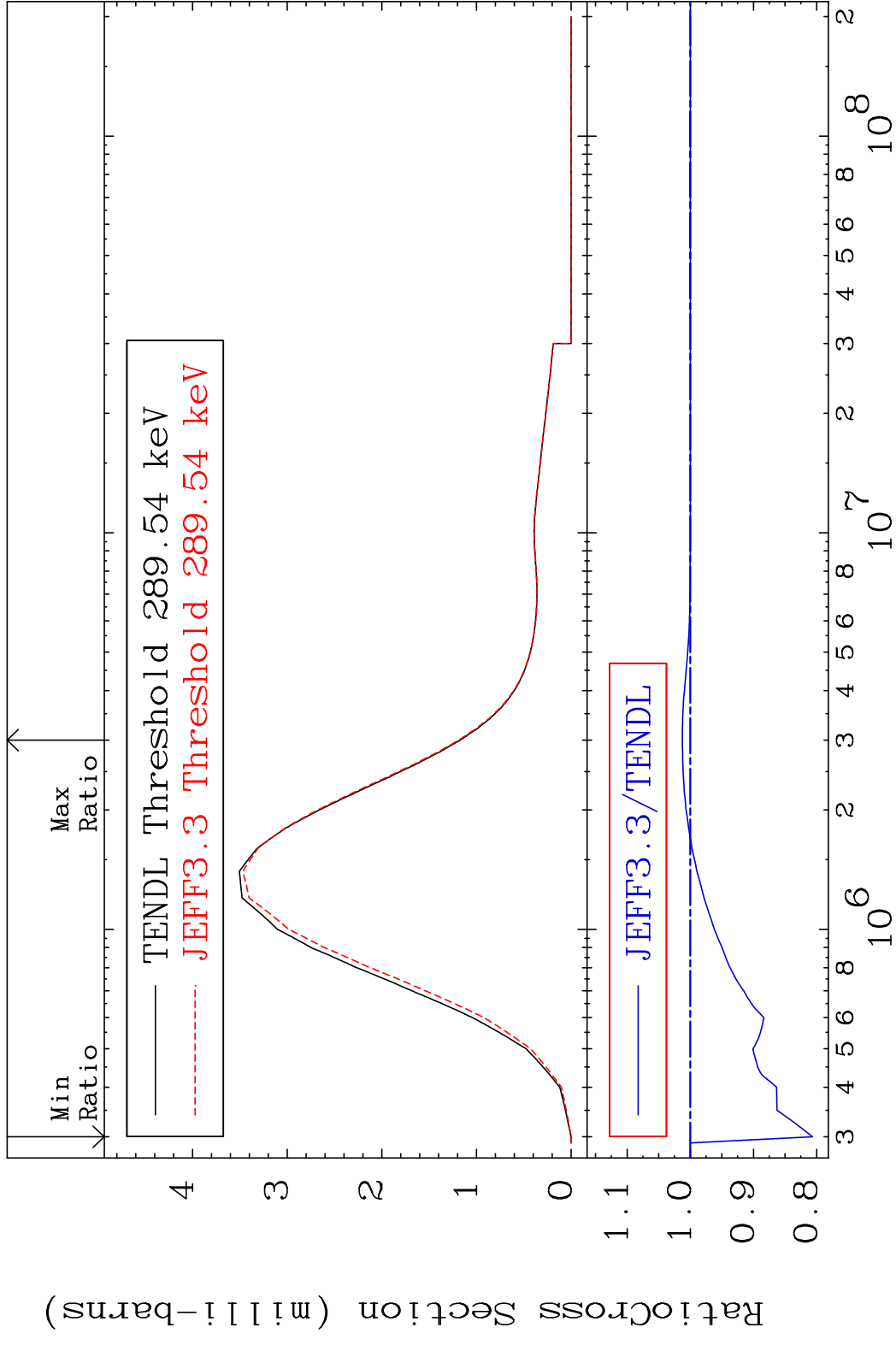
MAT 7640 MT= 58 (n, n') Level 76-0s-189
 Cross Section -78.56 To 41.76 %



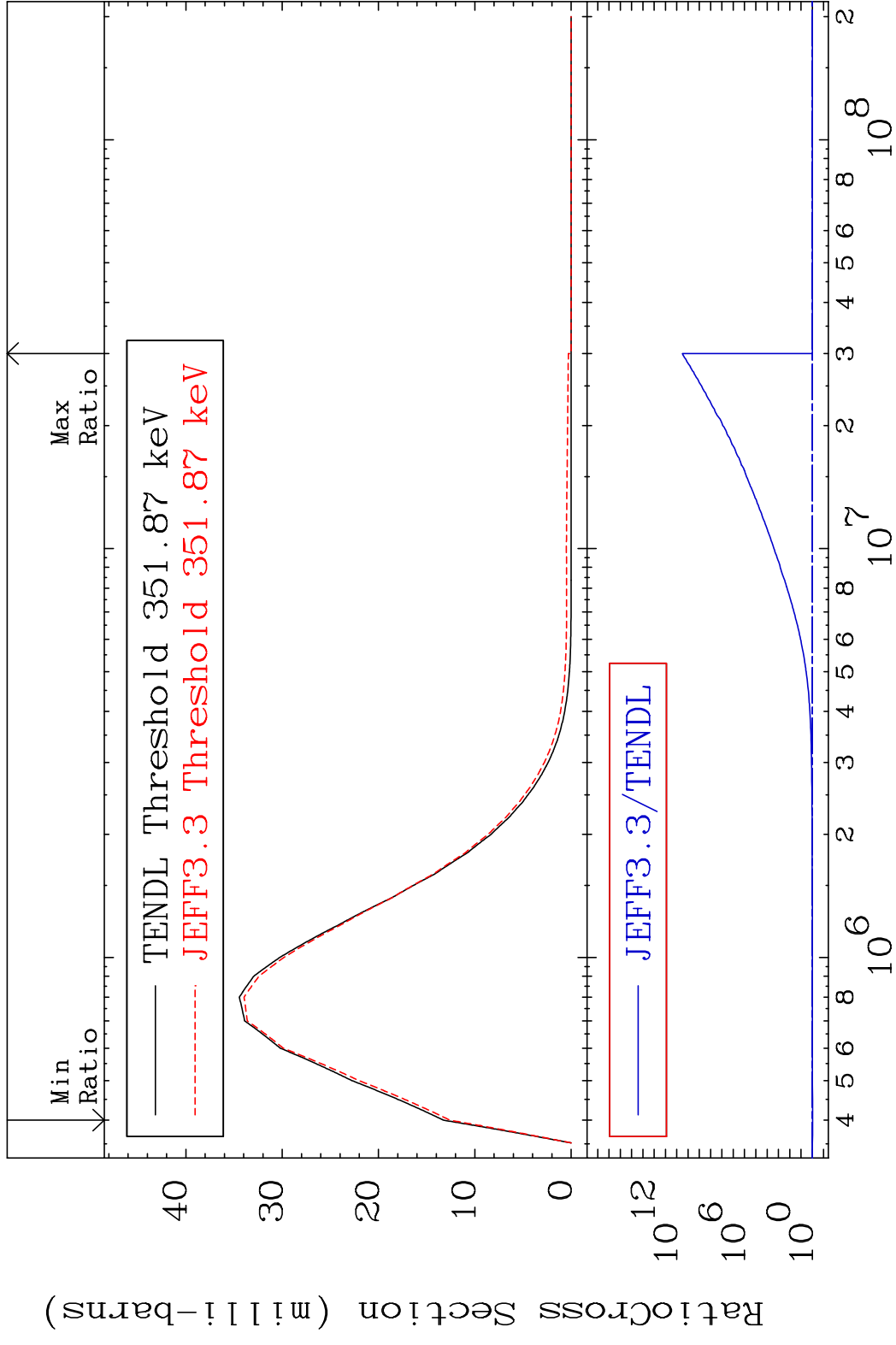
MAT 7640 MT= 59 (n,n') Level 76-0s-189
 Cross Section -53.89 To 0.000 %



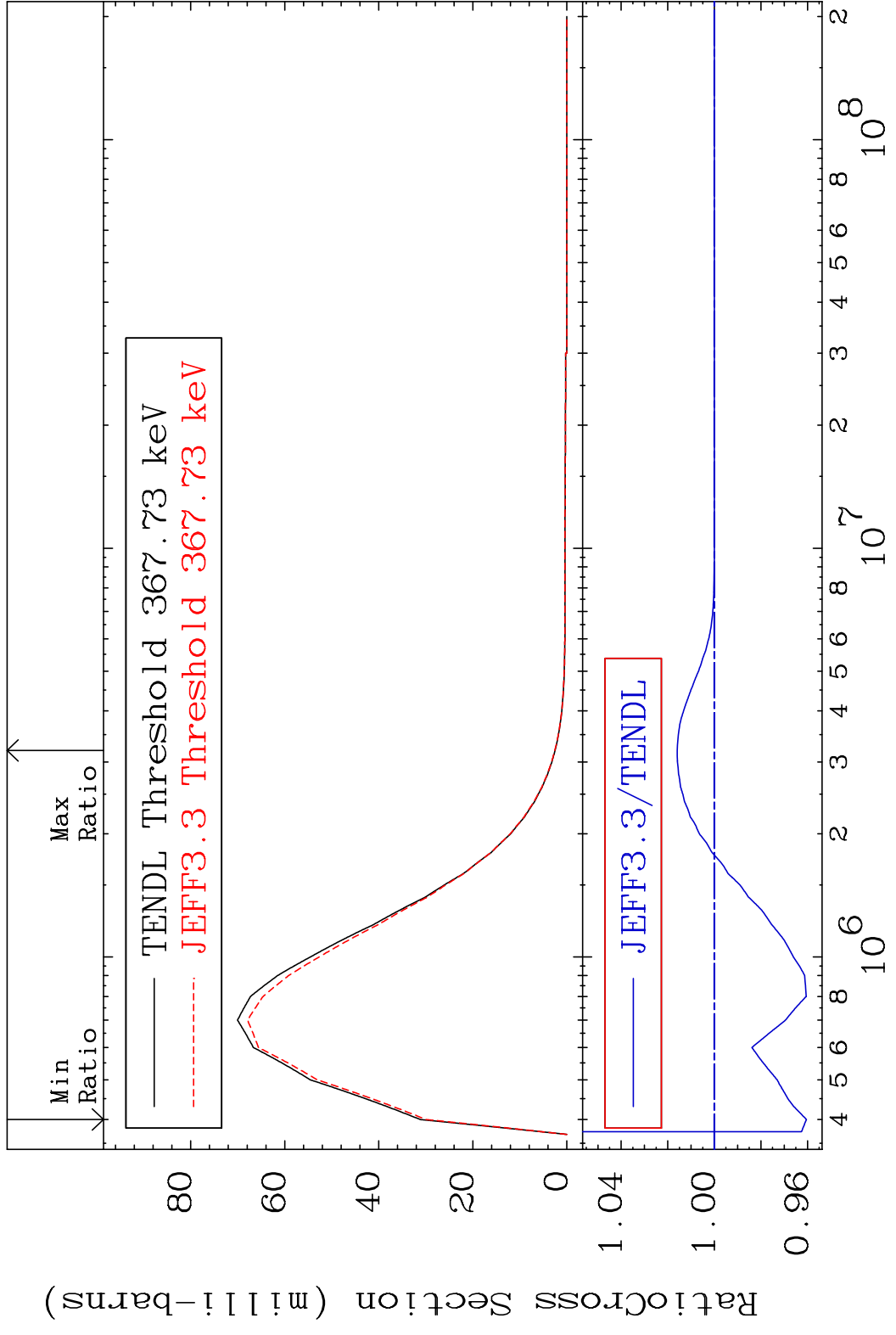
MAT 7640 MT= 60 (n,n') Level 76-0s-189
 Cross Section -19.36 To 1.255 %



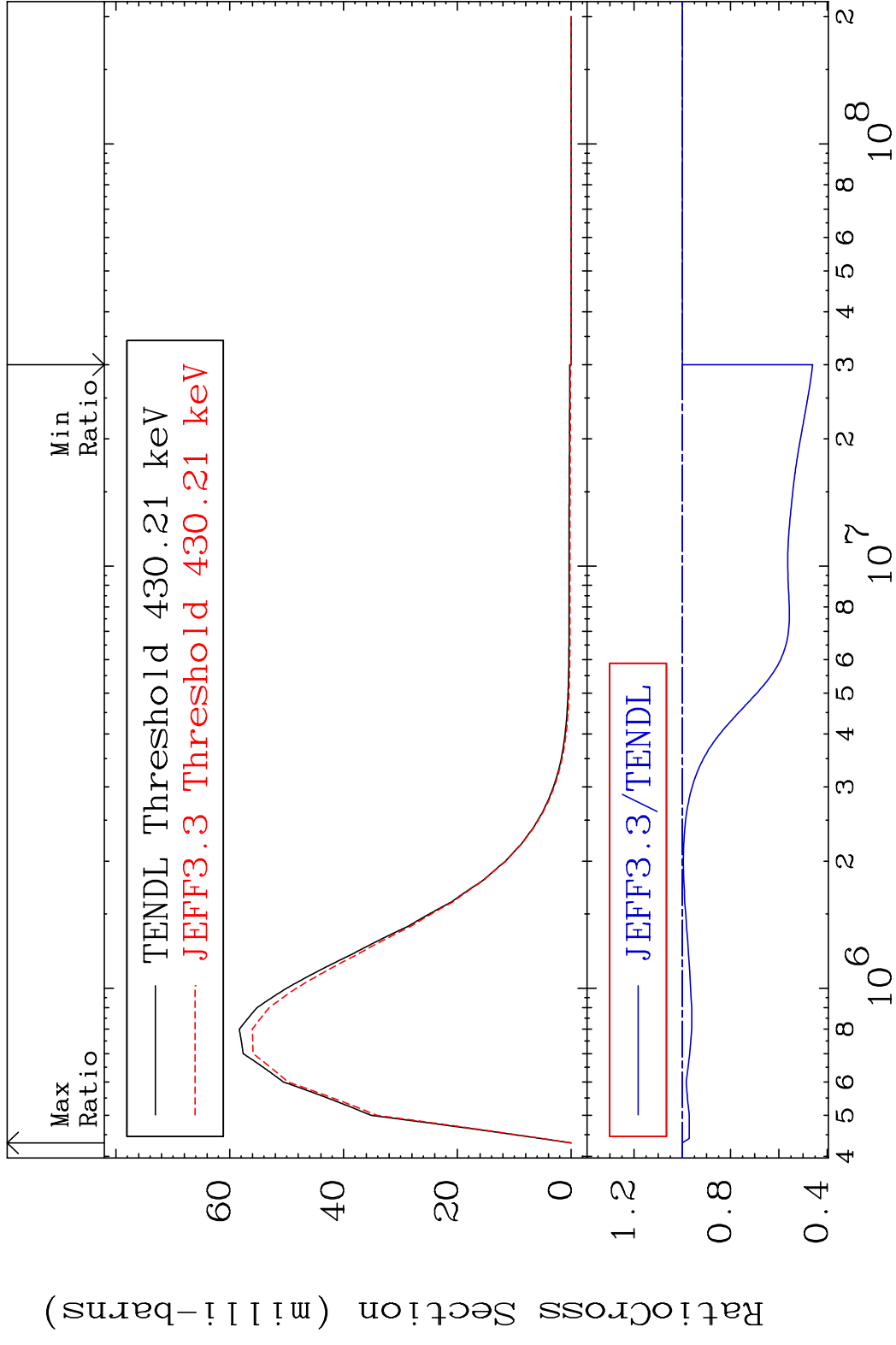
MAT 7640 MT= 61 (n, n') Level 76-0s-189
 Cross Section -5.015 To 9999. %



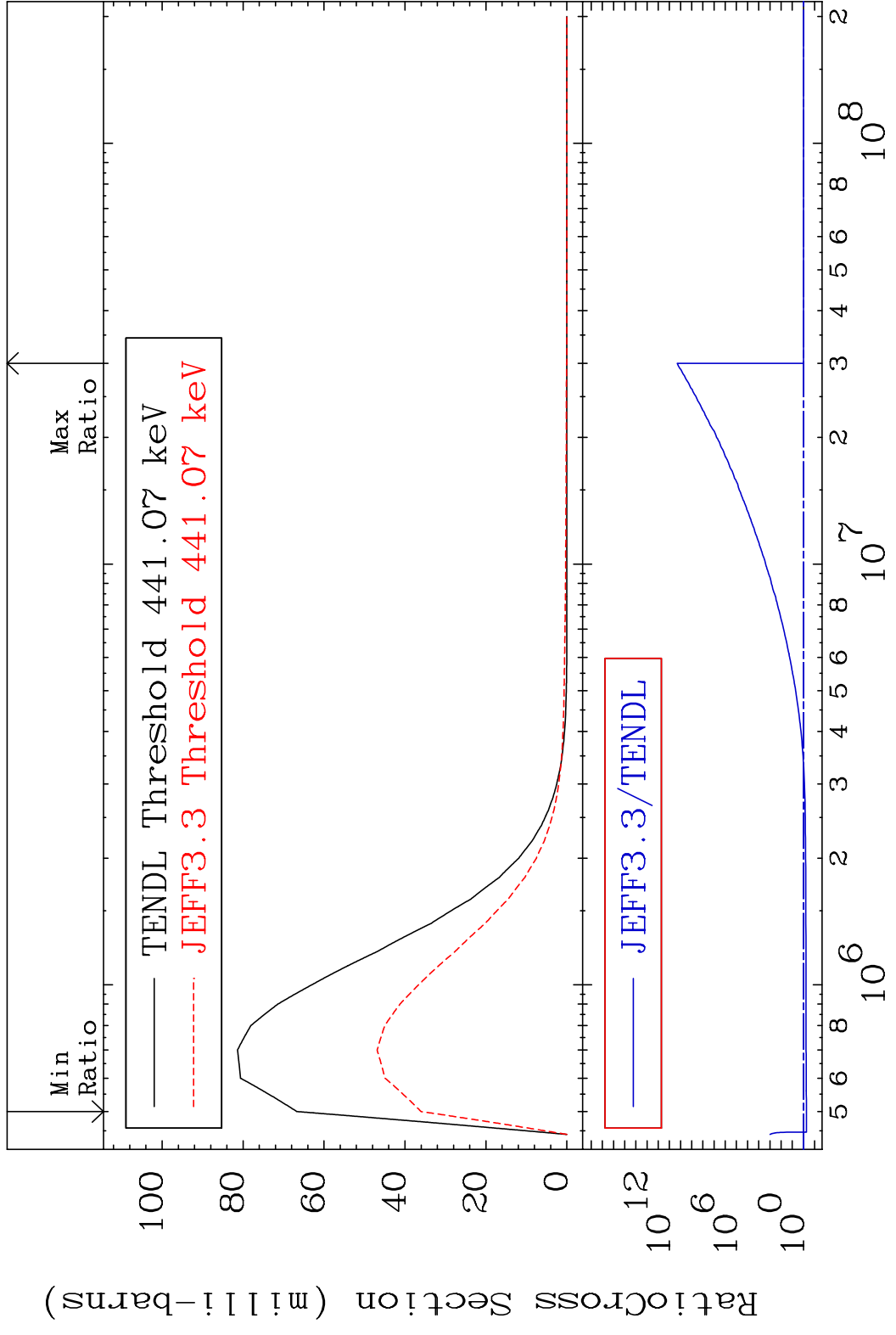
MAT 7640 MT= 62 (n, n') Level 76-0s-189
 Cross Section -3.954 To 1.596 %



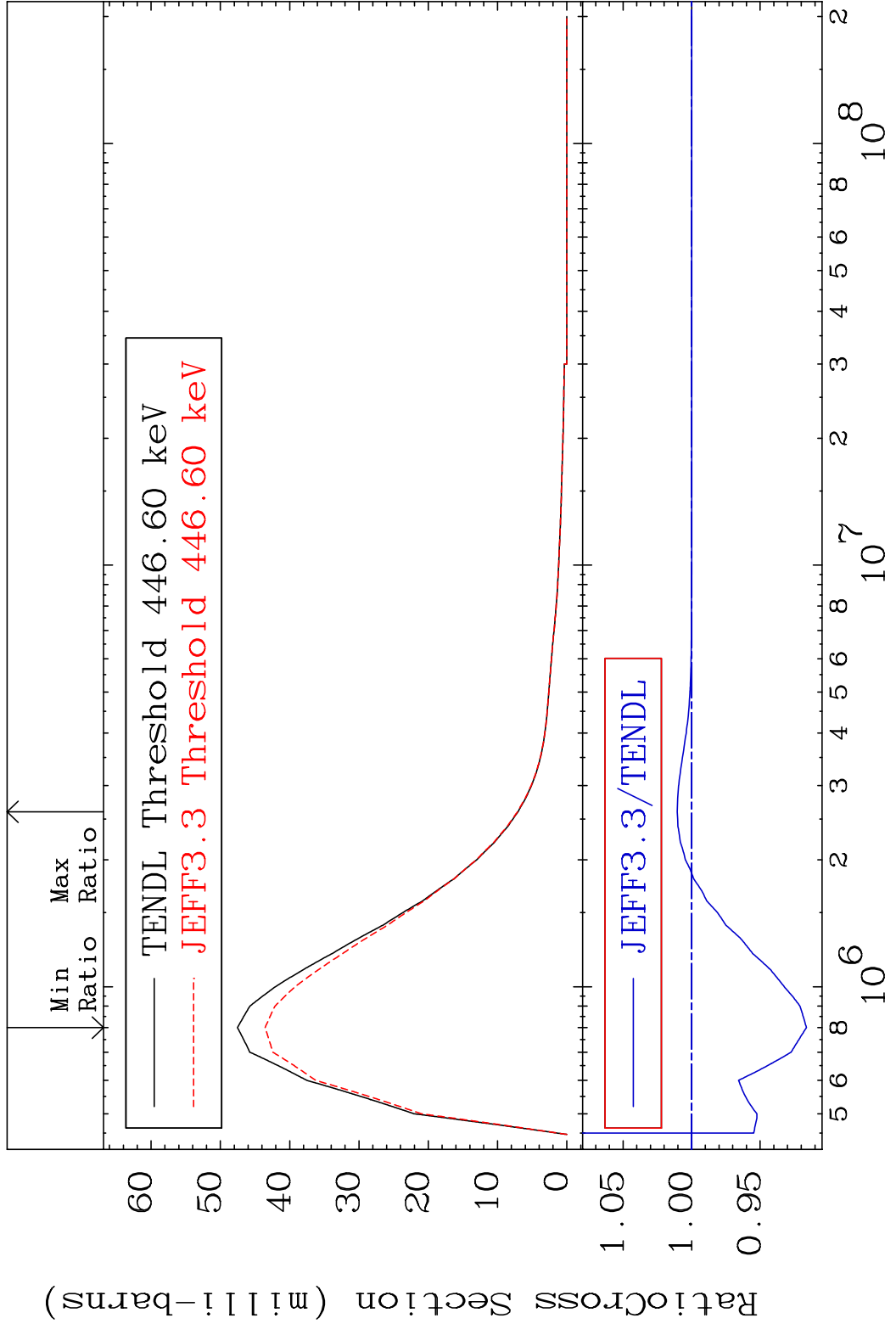
MAT 7640 MT= 63 (n, n') Level 76-0s-189
 Cross Section -53.97 To 0.000 %



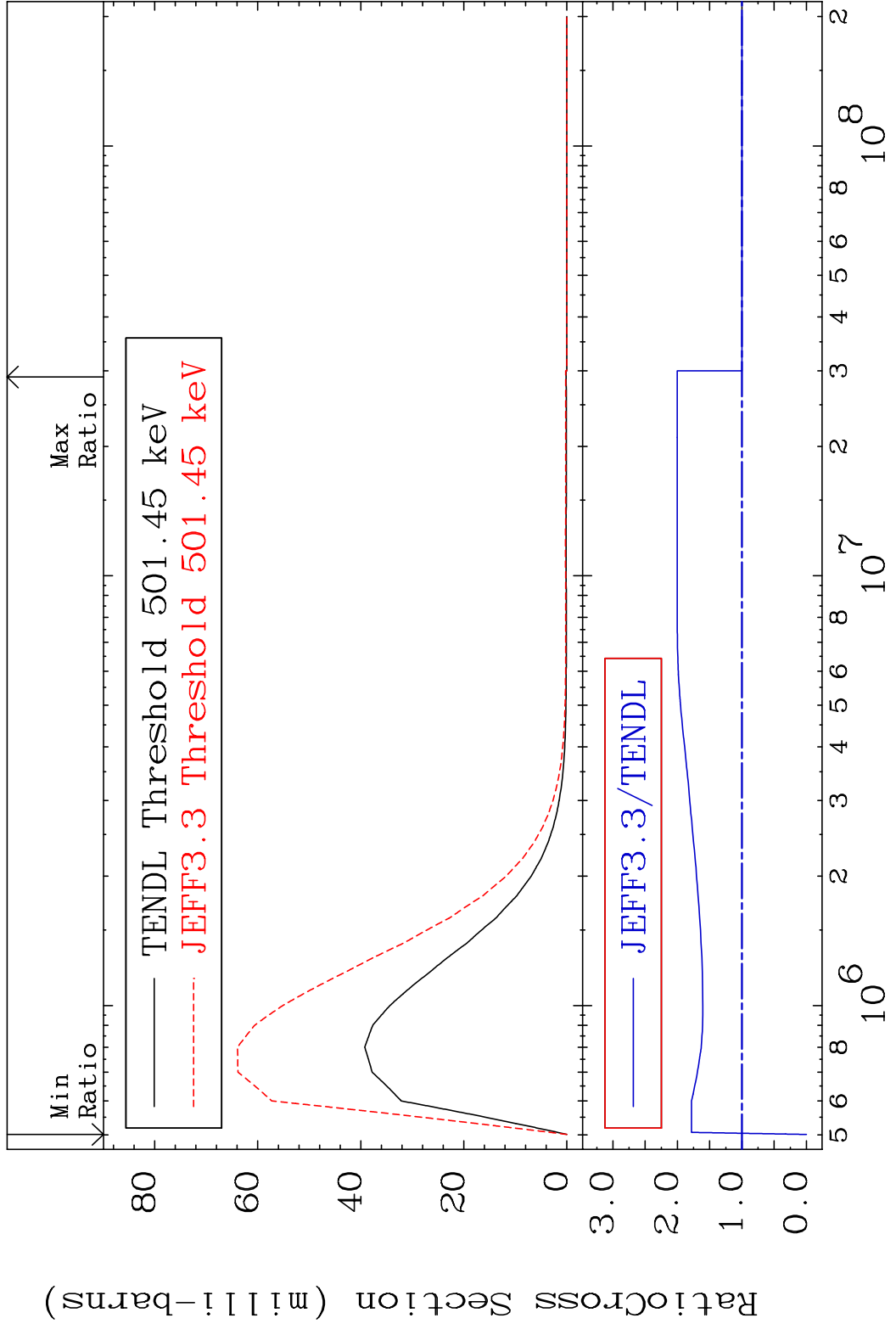
MAT 7640 MT= 64 (n, n') Level 76-0s-189
 Cross Section -46.02 To 9999. %



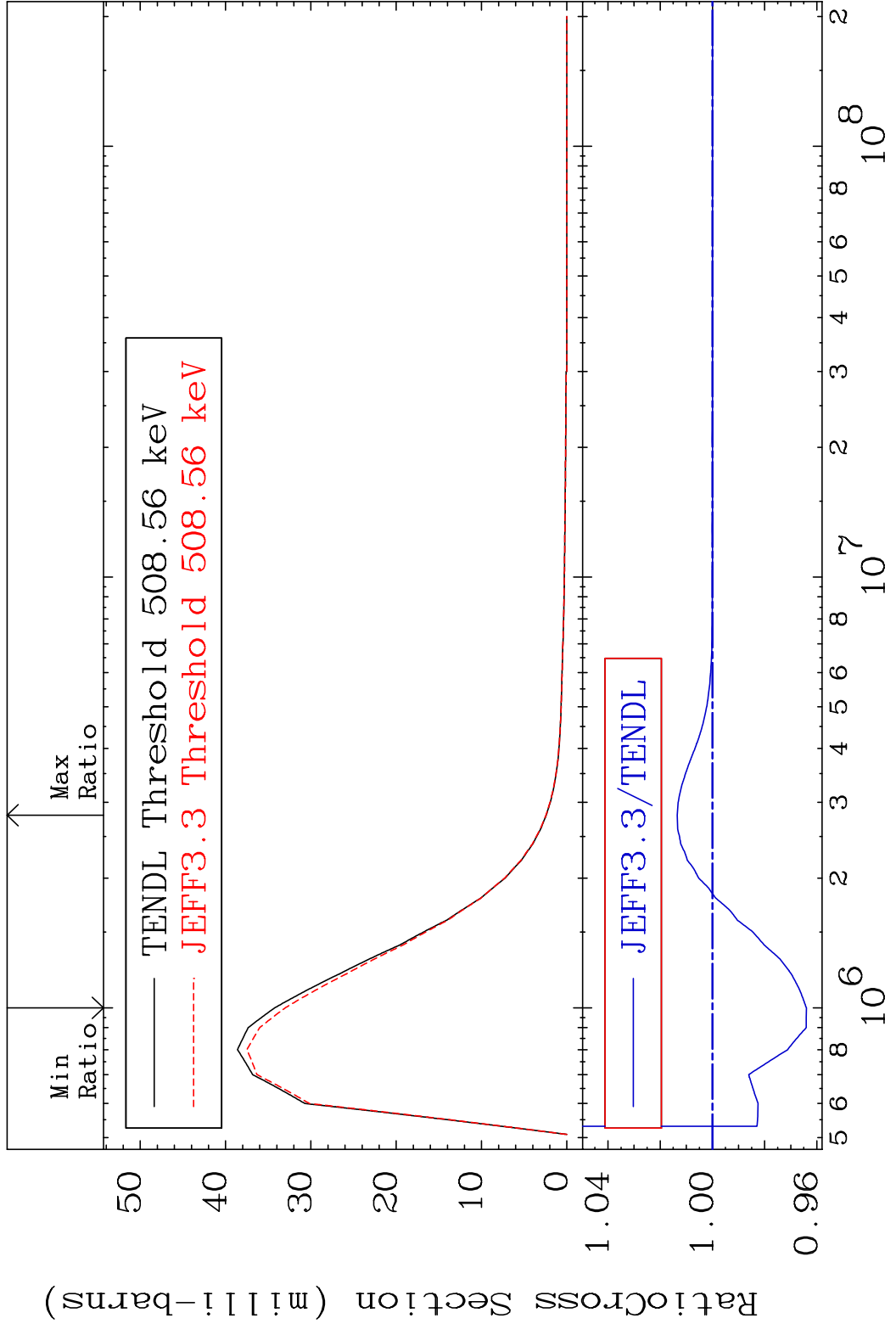
MAT 7640 MT= 65 (n,n') Level 76-0s-189
 Cross Section -8.377 To 1.052 %



MAT 7640 MT= 66 (n, n') Level 76-0s-189
 Cross Section -100.0 To 100.3 %



MAT 7640 MT= 67 (n, n') Level 76-0s-189
 Cross Section -3.599 To 1.349 %

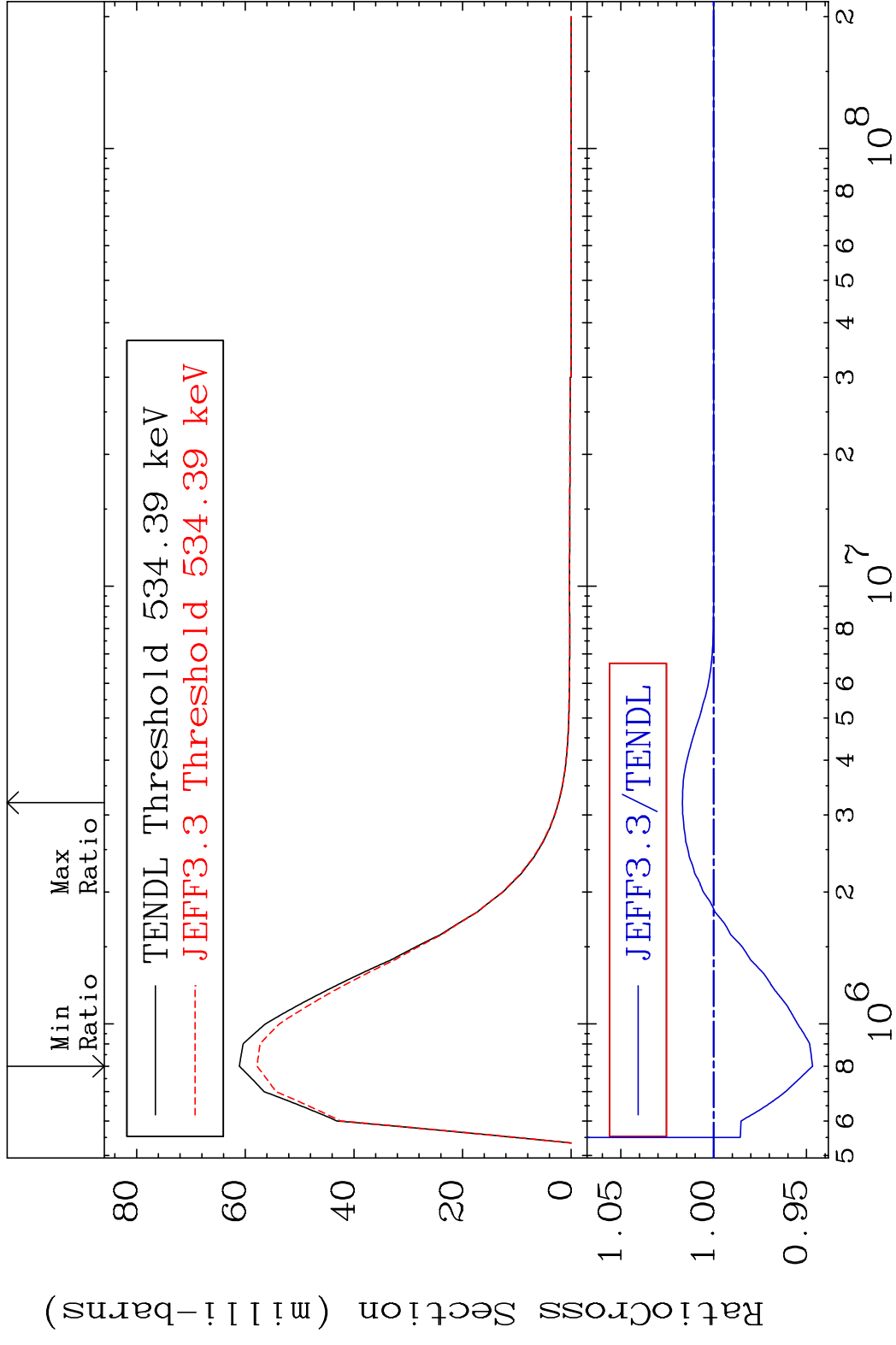


MAT 7640

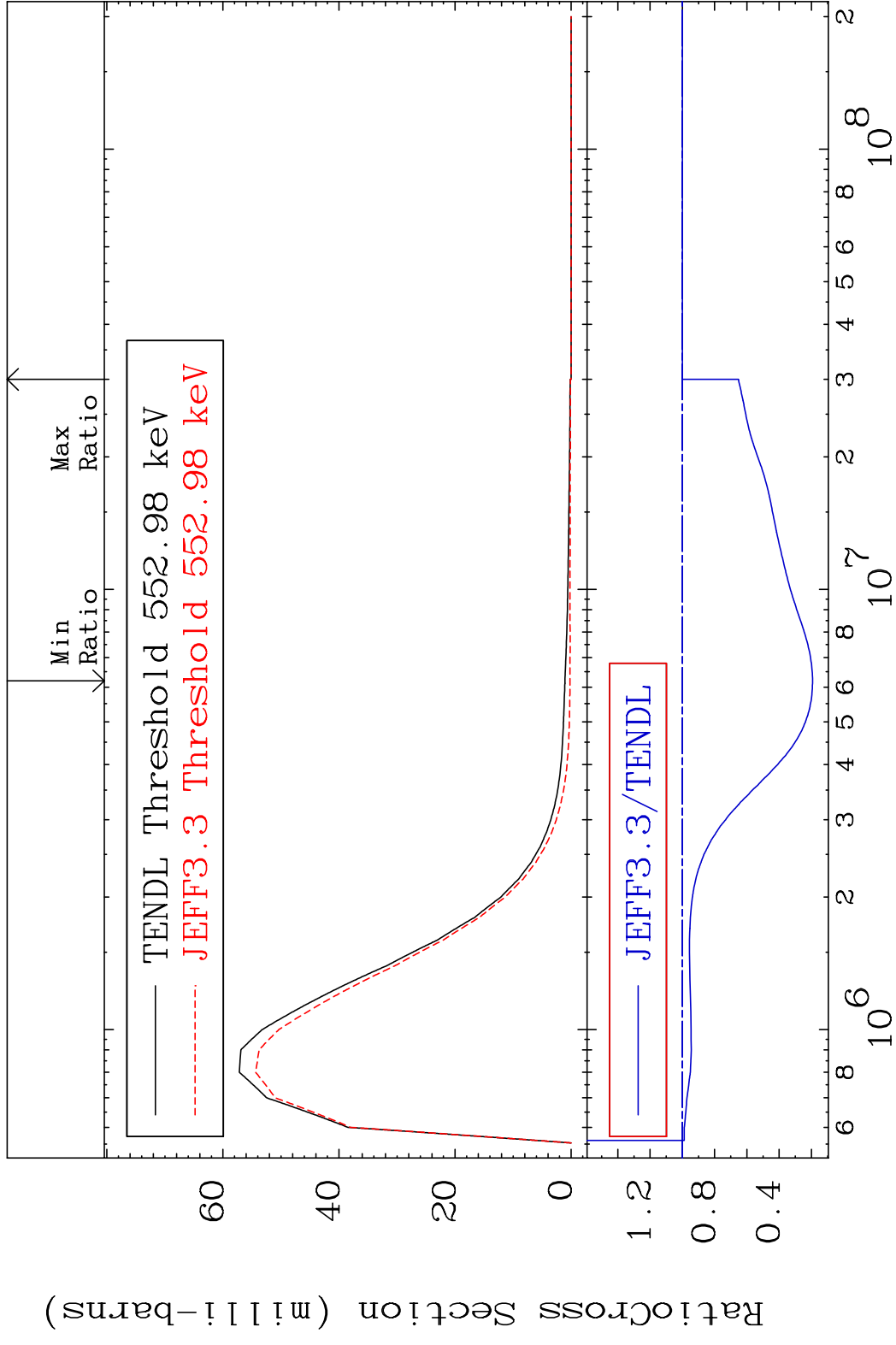
MT= 68 (n, n') Level

76-0s-189

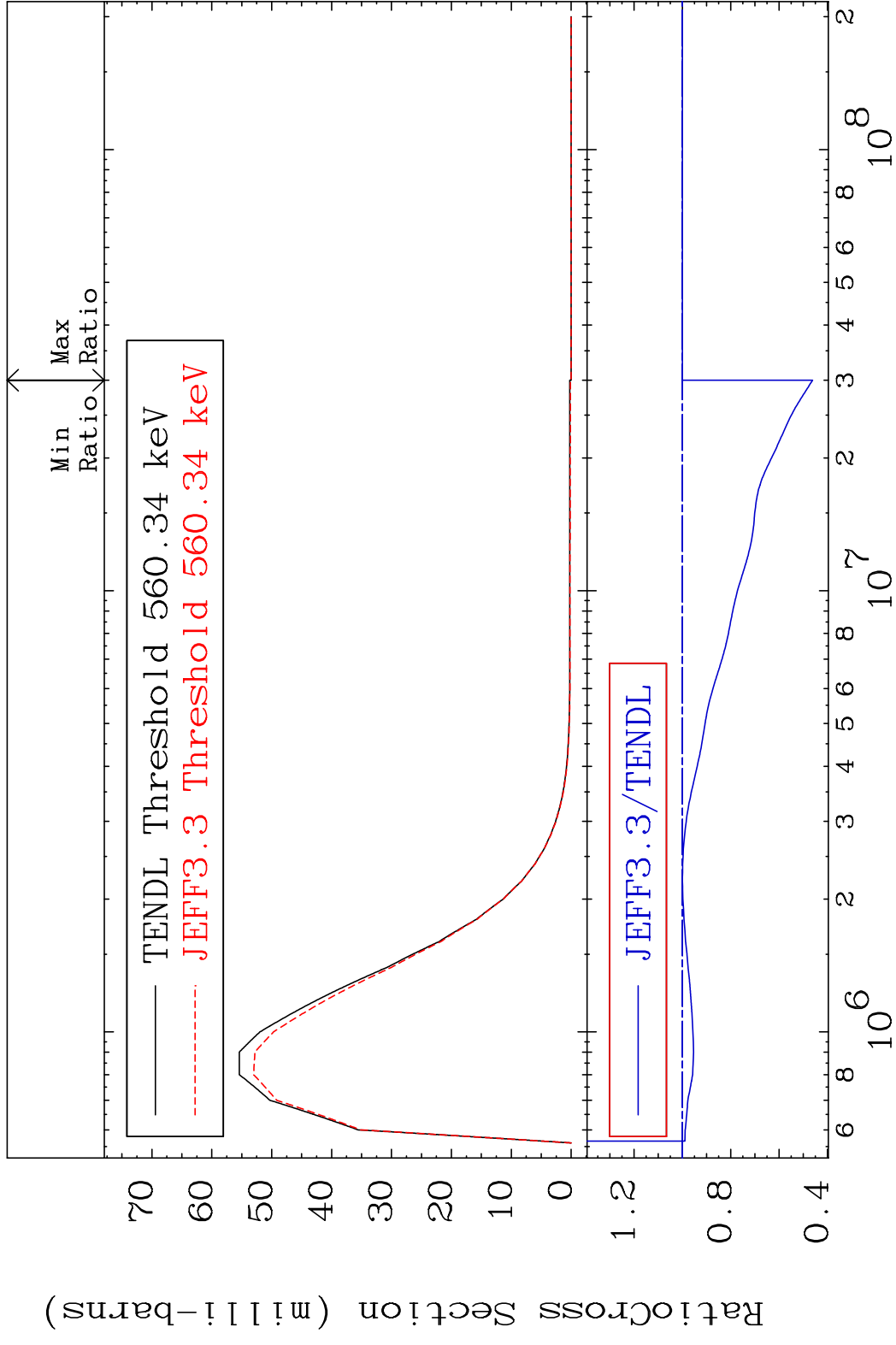
Cross Section -5.327 To 1.689 %



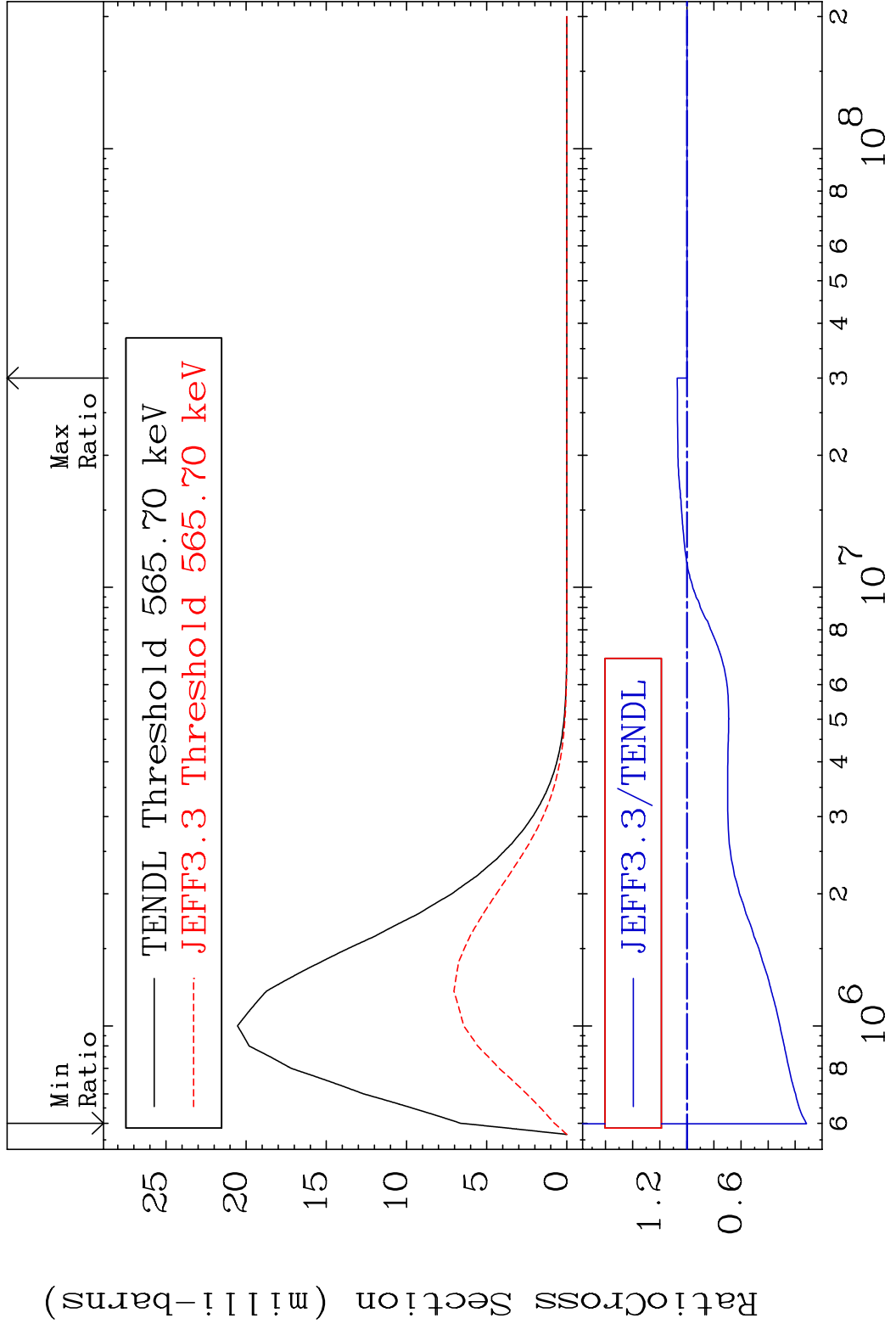
MAT 7640 MT= 69 (n, n') Level 76-0s-189
 Cross Section -80.69 To 0.000 %



MAT 7640 MT= 70 (n,n') Level 76-0s-189
 Cross Section -53.88 To 0.000 %

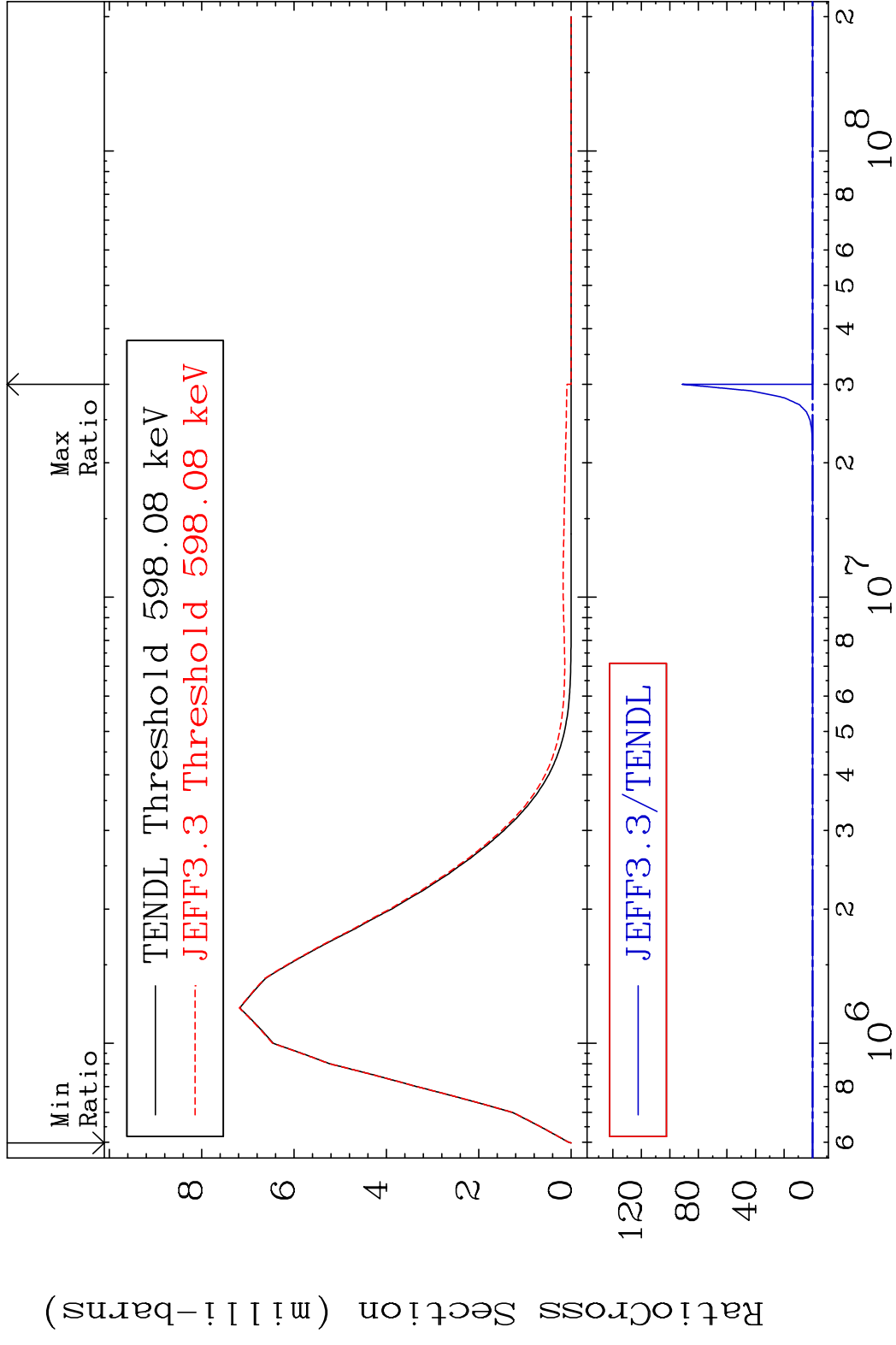


MAT 7640 MT= 71 (n, n') Level 76-0s-189
 Cross Section -88.26 To 7.140 %

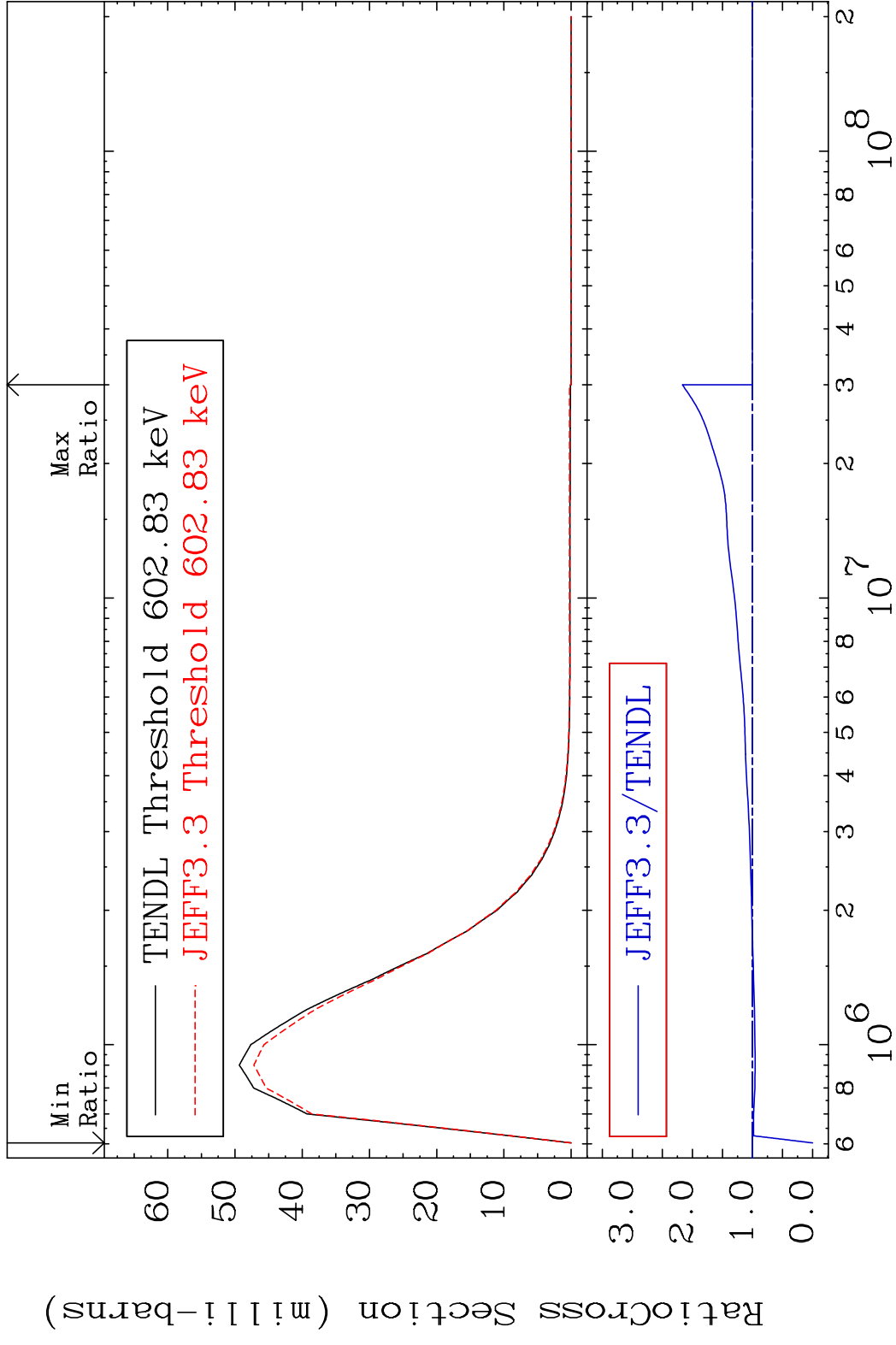


40 Incident Energy (eV) 76-0s-189

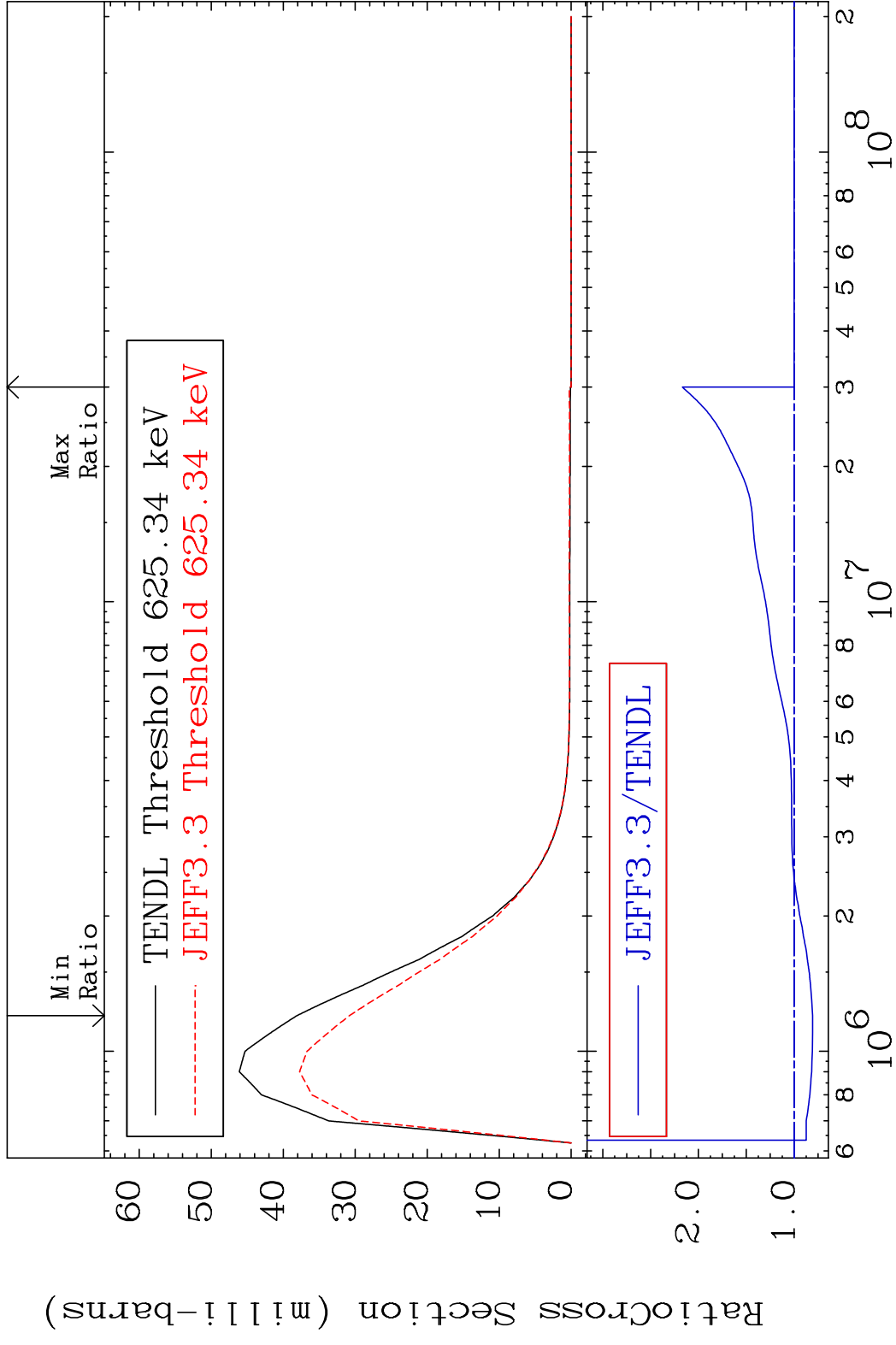
MAT 7640 MT= 72 (n, n') Level 76-0s-189
 Cross Section -100.0 To 9999. %



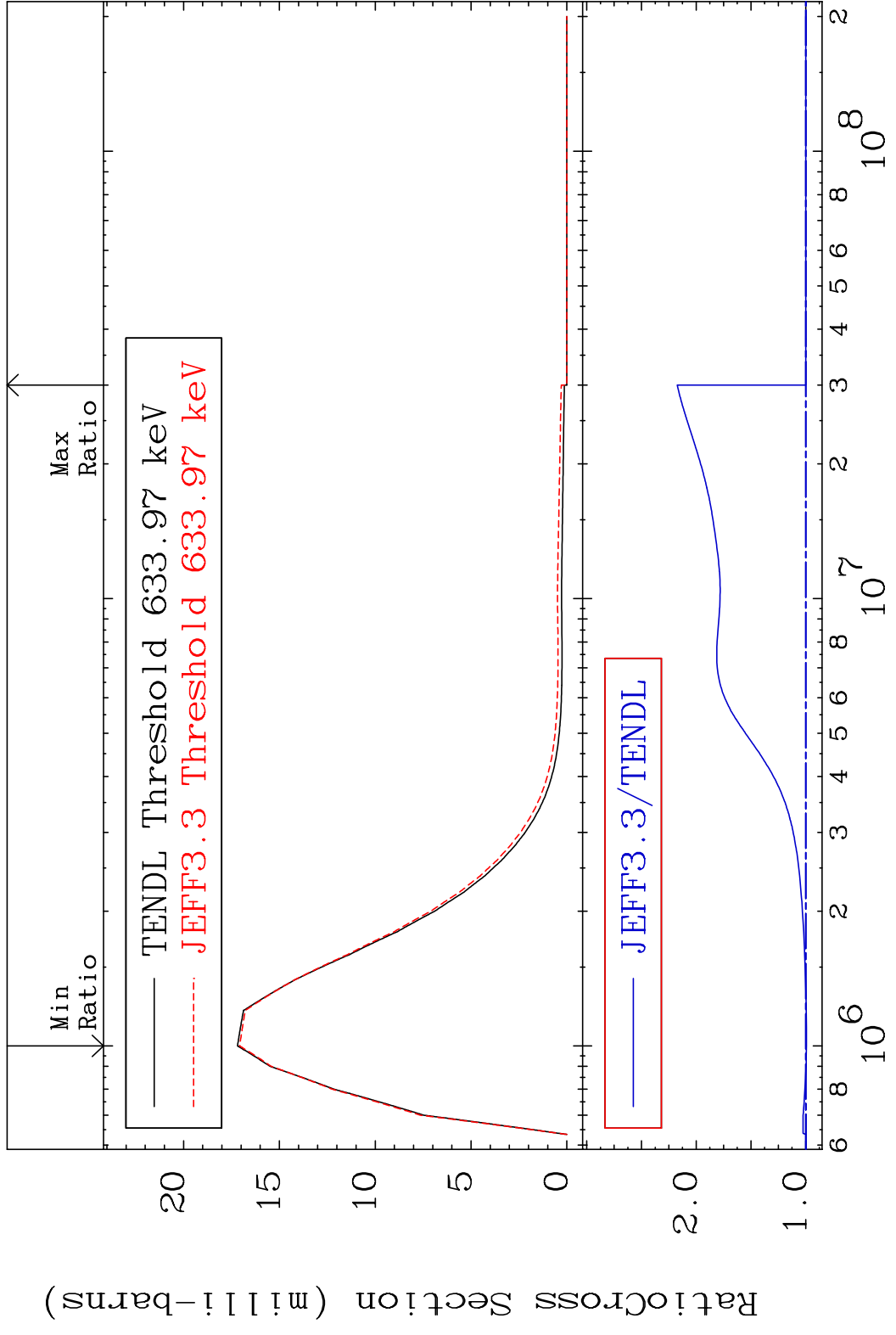
MAT 7640 MT= 73 (n, n') Level 76-0s-189
 Cross Section -100.0 To 116.8 %



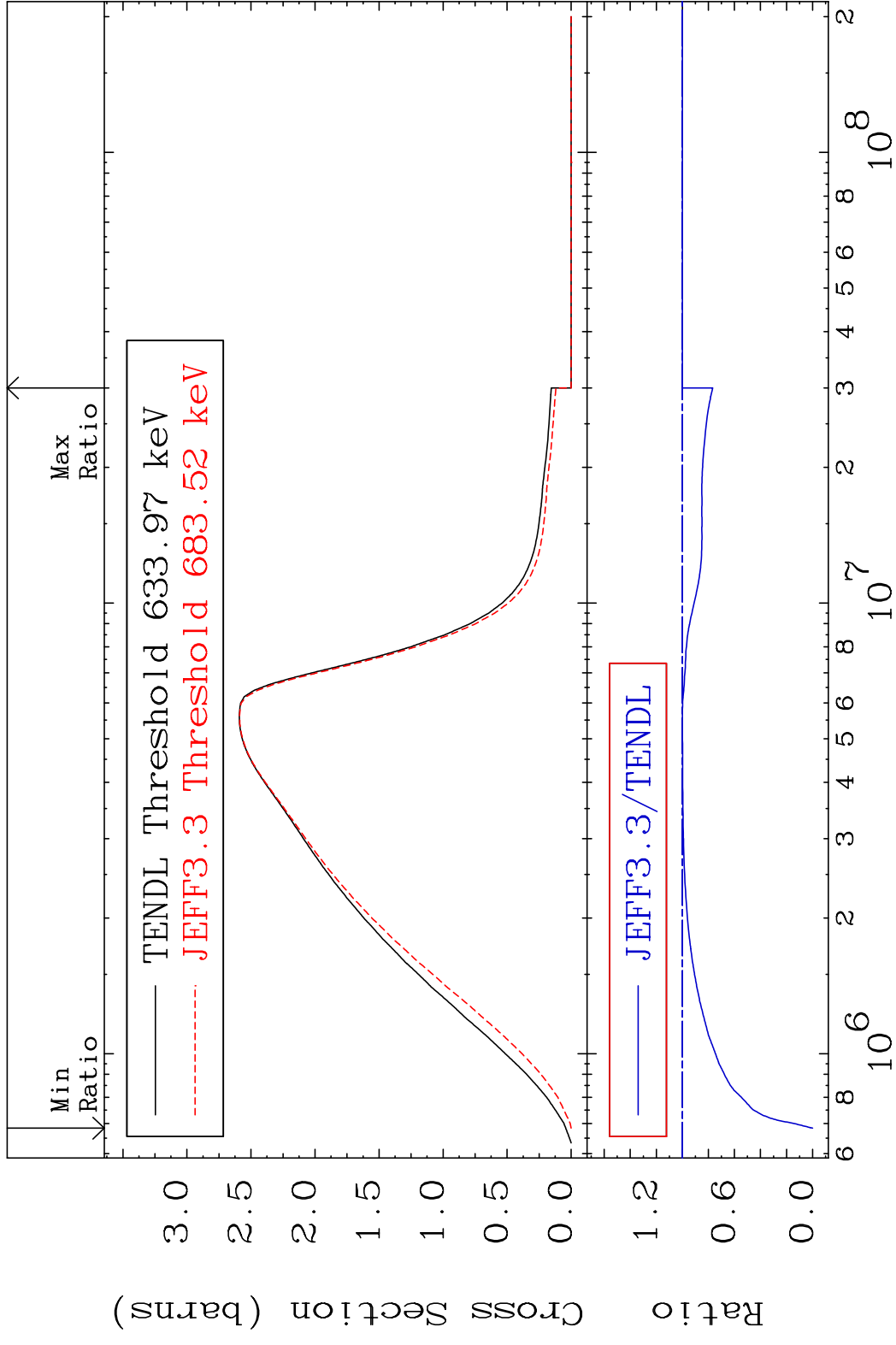
MAT 7640 MT= 74 (n, n') Level 76-0s-189
 Cross Section -19.14 To 116.8 %



MAT 7640 MT= 75 (n, n') Level 76-0s-189
 Cross Section -0.650 To 117.4 %



MAT 7640 (n, n') Continuum 76-0s-189
 Cross Section -100.0 To 0.000 %

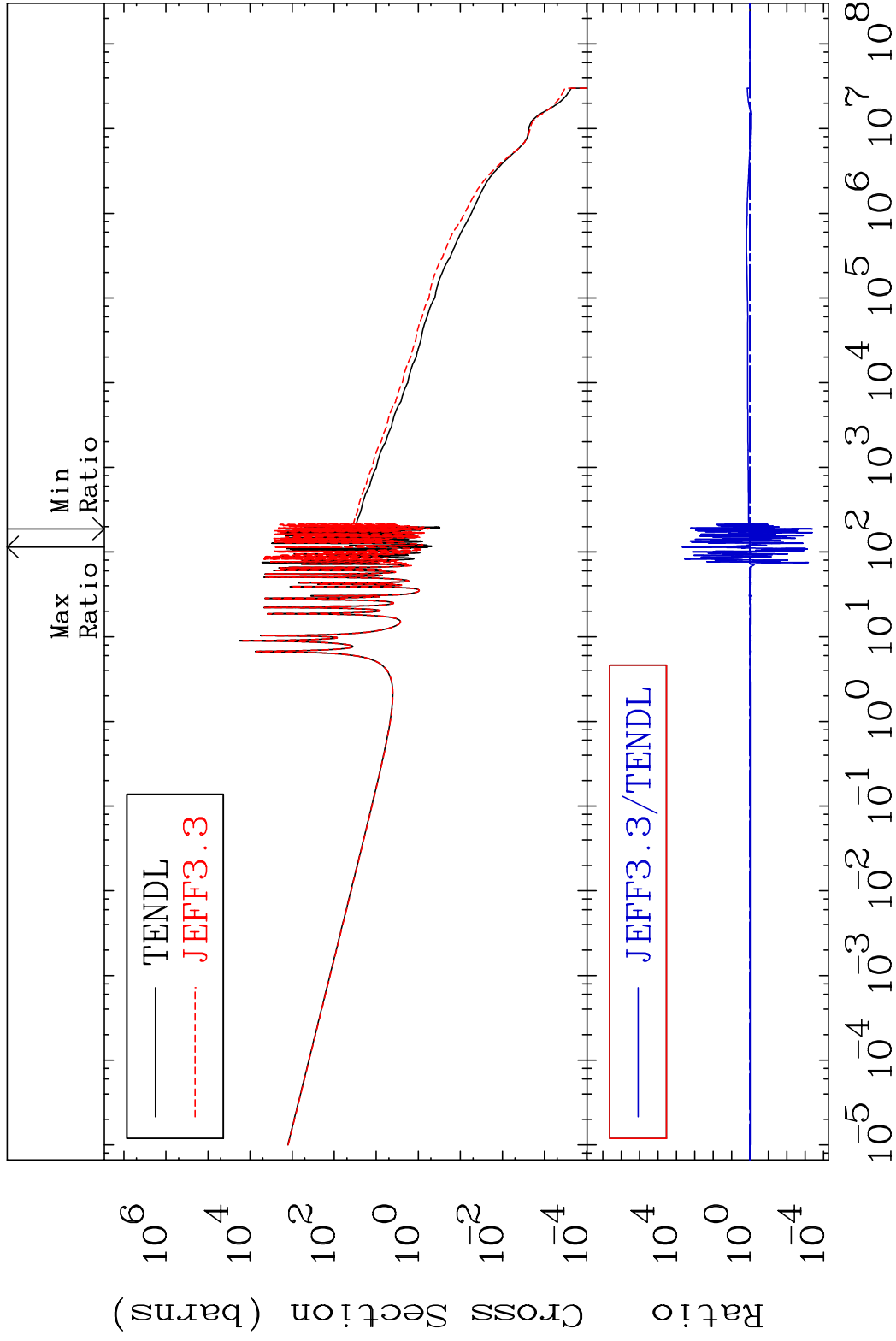


MAT 7640

(n, γ)

76-0s-189

Cross Section -99.96 To 9999. %

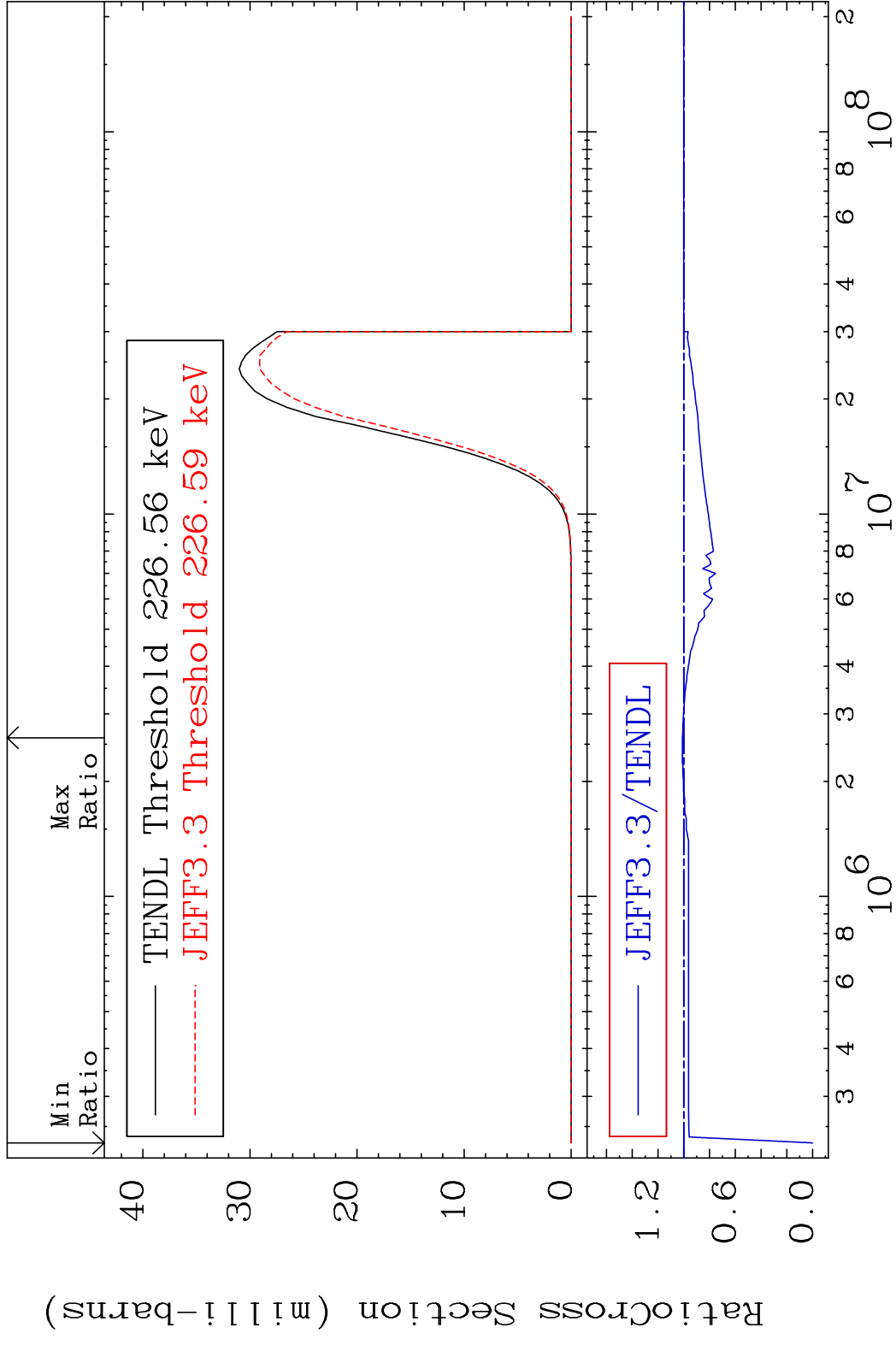


46

Incident Energy (eV)

76-0s-189

MAT 7640 (n,p) 76-0s-189
 Cross Section -100.0 To 1.108 %

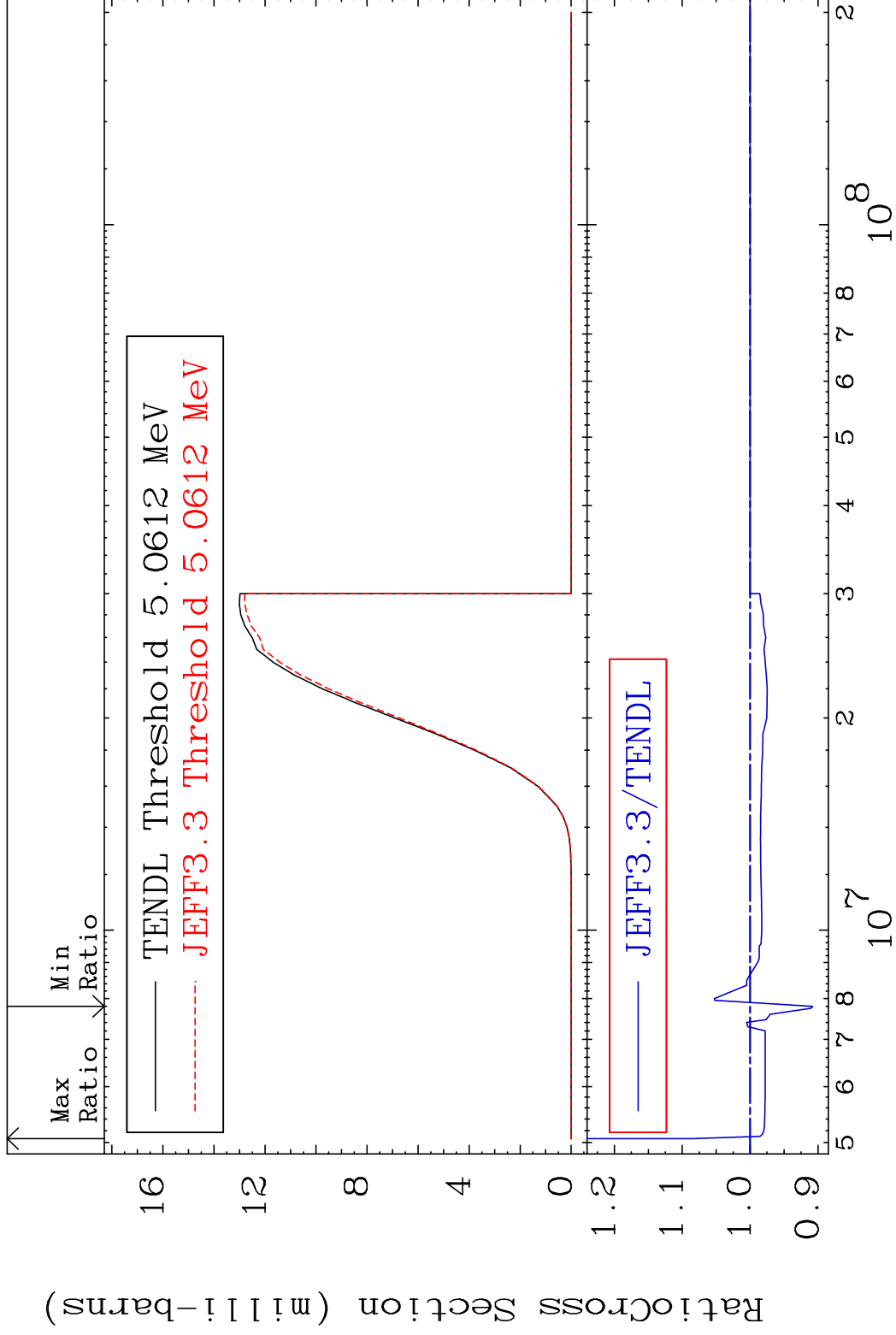


MAT 7640

(n,d)

76-0s-189

Cross Section -9.198 To 9.984 %



48

Incident Energy (eV)

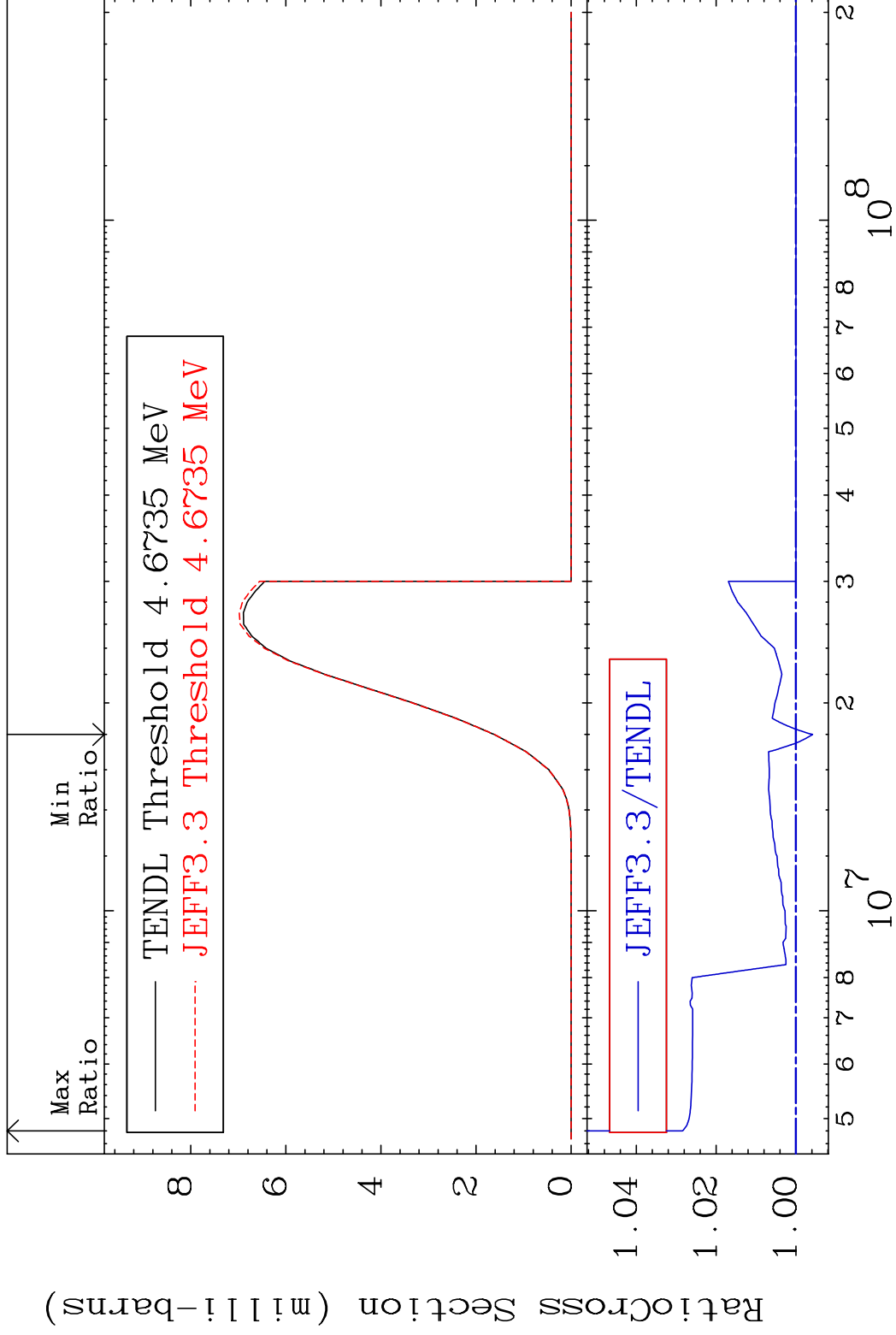
76-0s-189

MAT 7640

(n, t)

76-0s-189

Cross Section -0.418 To 2.847 %



49

Incident Energy (eV)

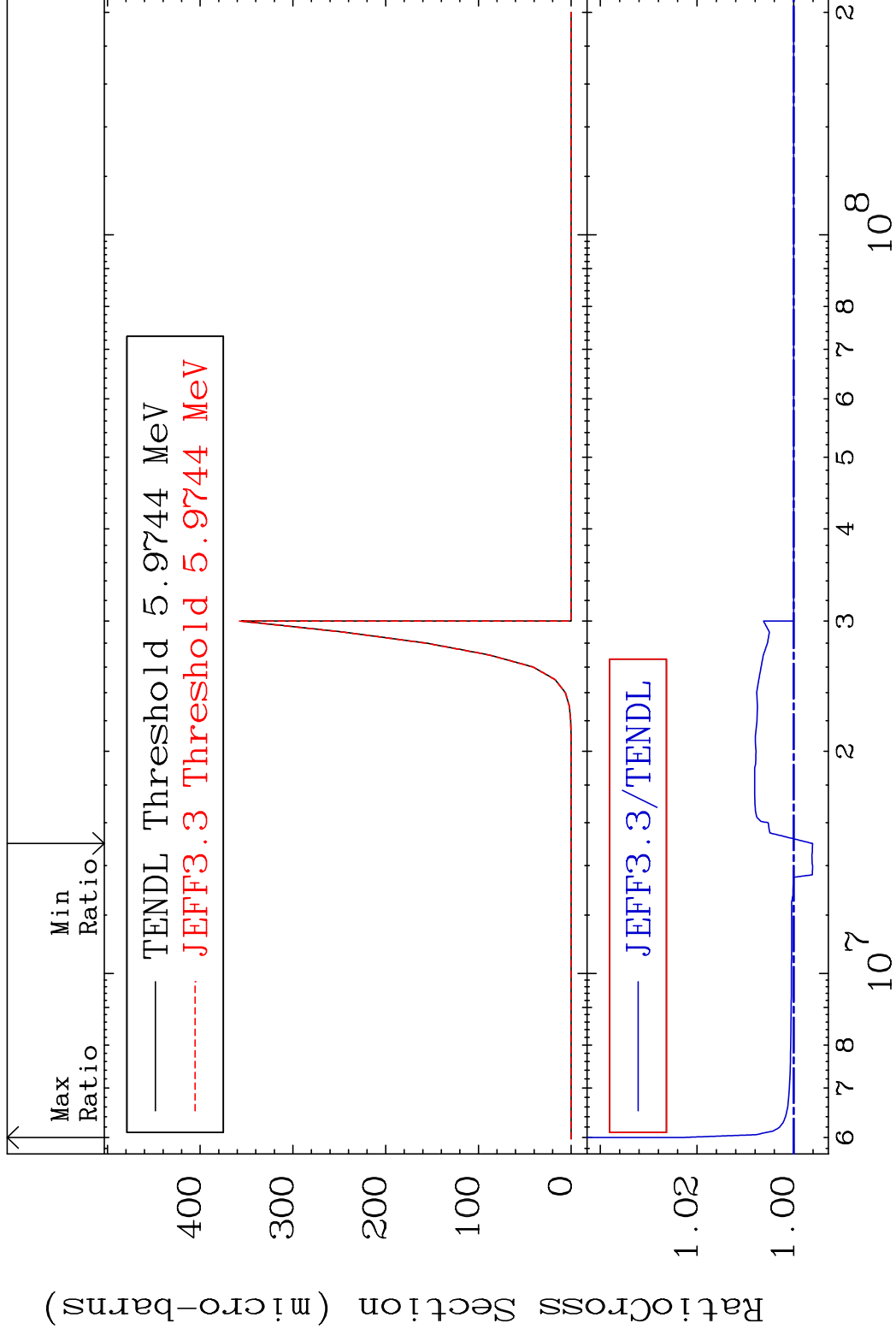
76-0s-189

MAT 7640

(n, He-3)

76-0s-189

Cross Section -0.390 To 2.303 %



50

Incident Energy (eV)

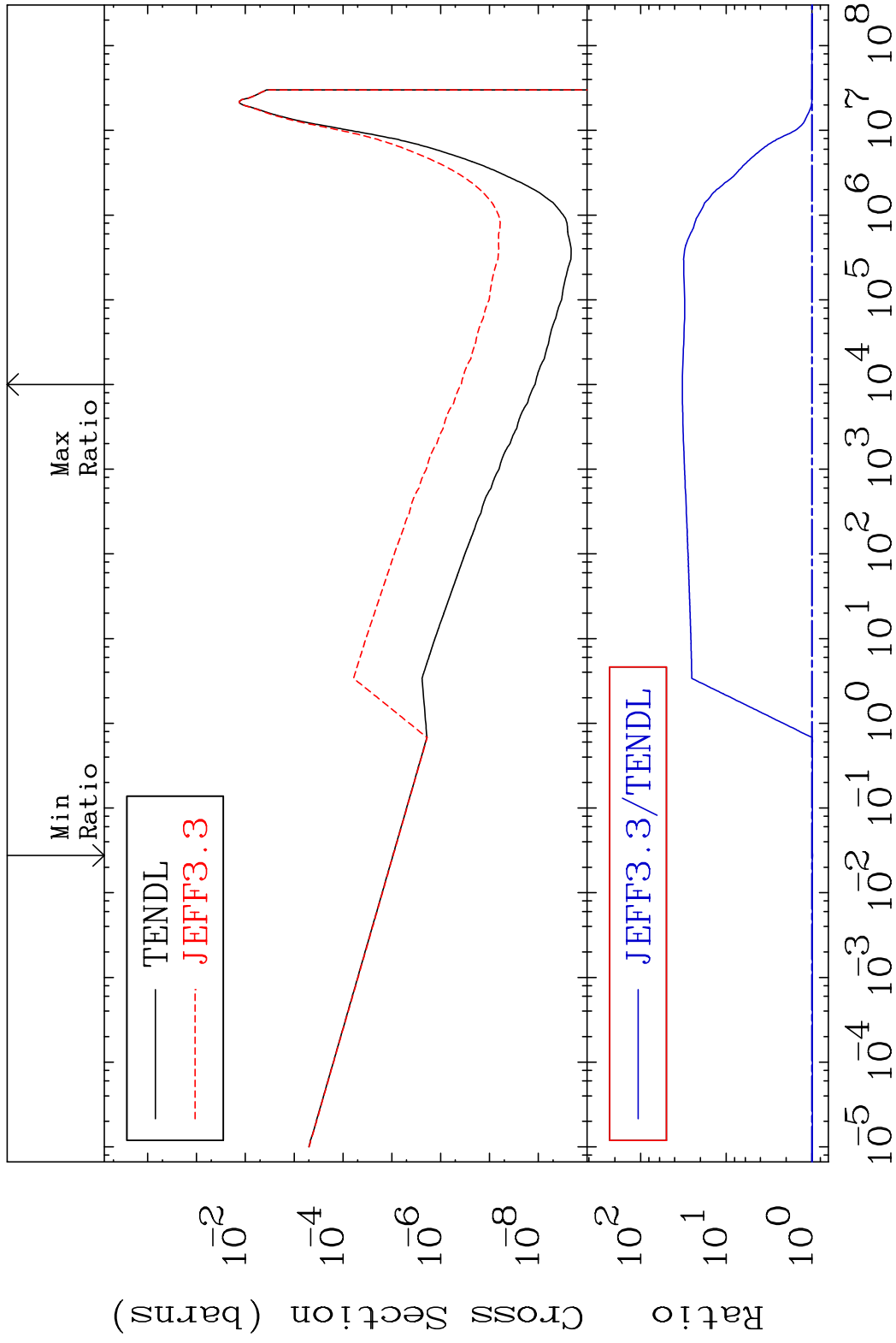
76-0s-189

MAT 7640

(n, α)

76-Os-189

Cross Section -1.602 To 3154. %

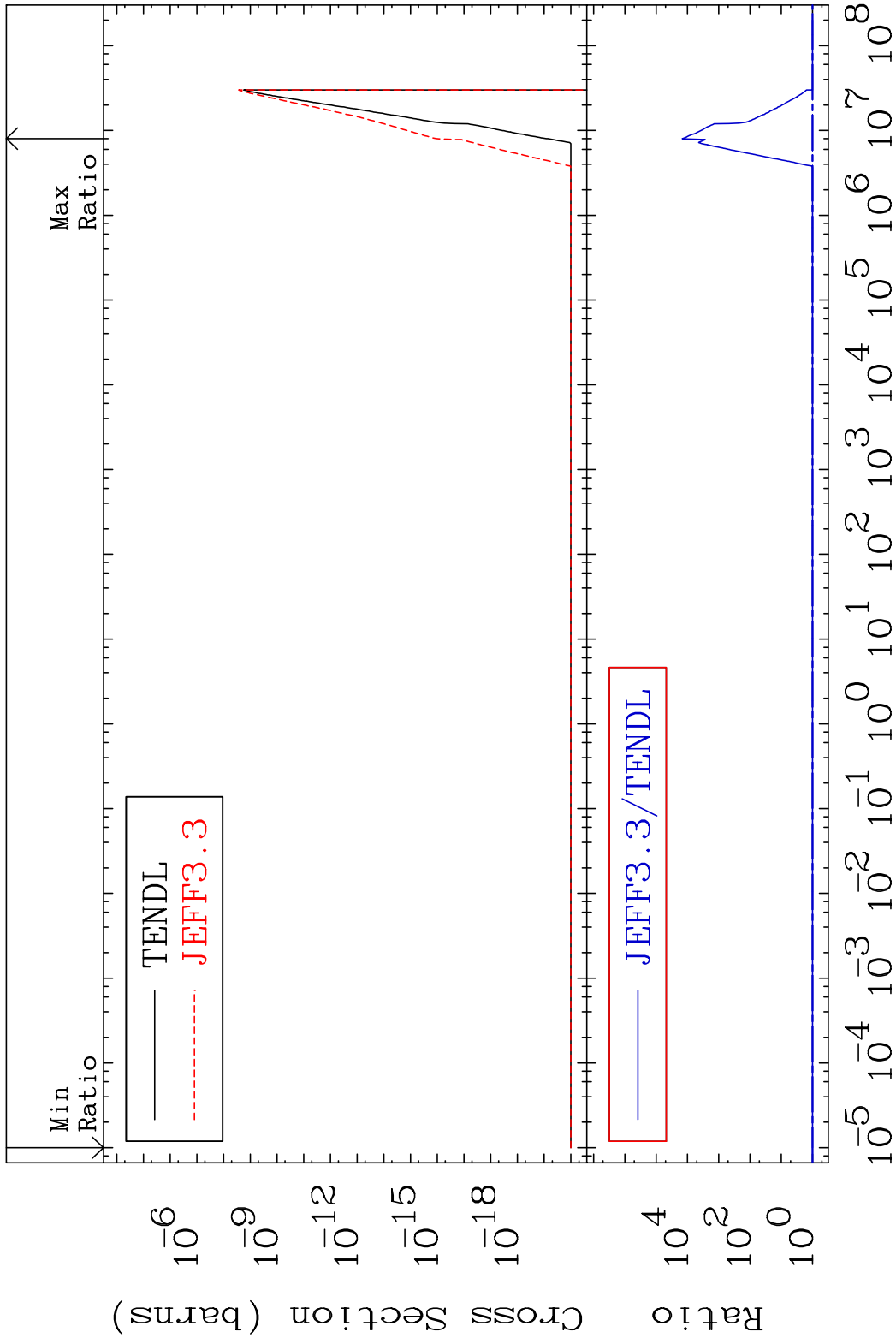


MAT 7640

(n, 2α)

76-Os-189

Cross Section 0.000 To 9999. %

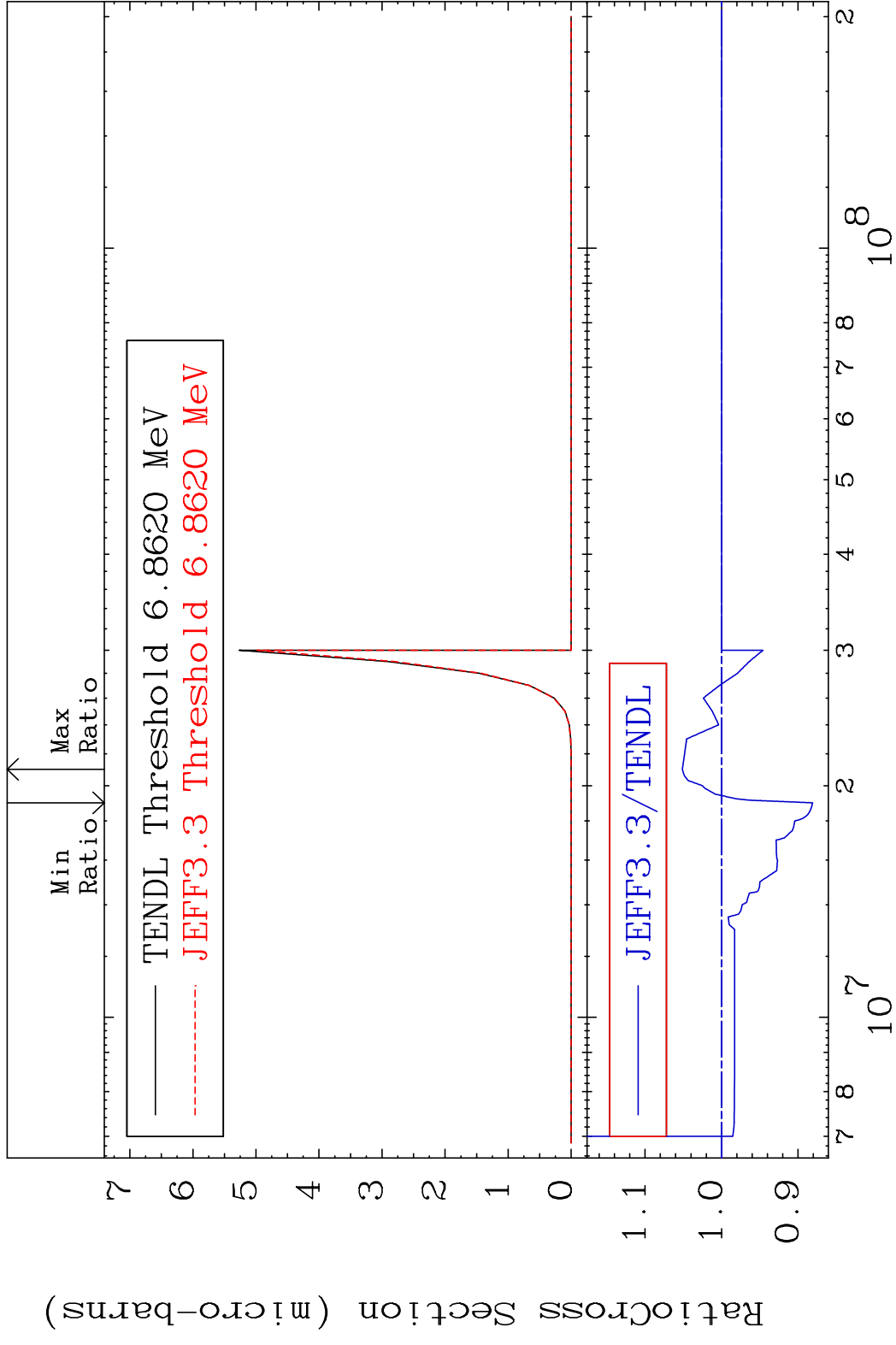


52

Incident Energy (eV)

76-Os-189

MAT 7640 (n,2p) 76-0s-189
 Cross Section -11.90 To 5.123 %

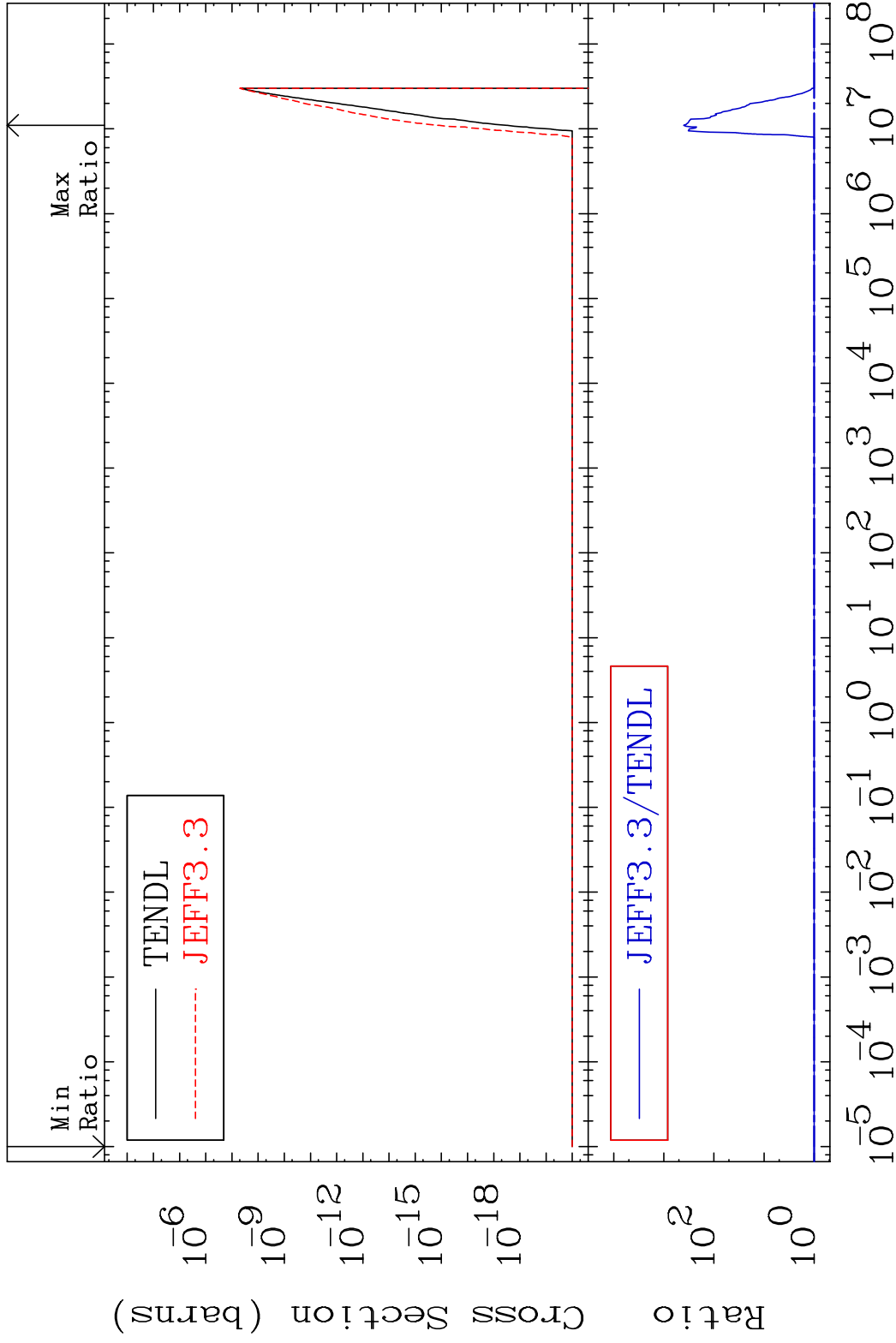


MAT 7640

(n,p) α

76-Os-189

Cross Section 0.000 To 9999. %

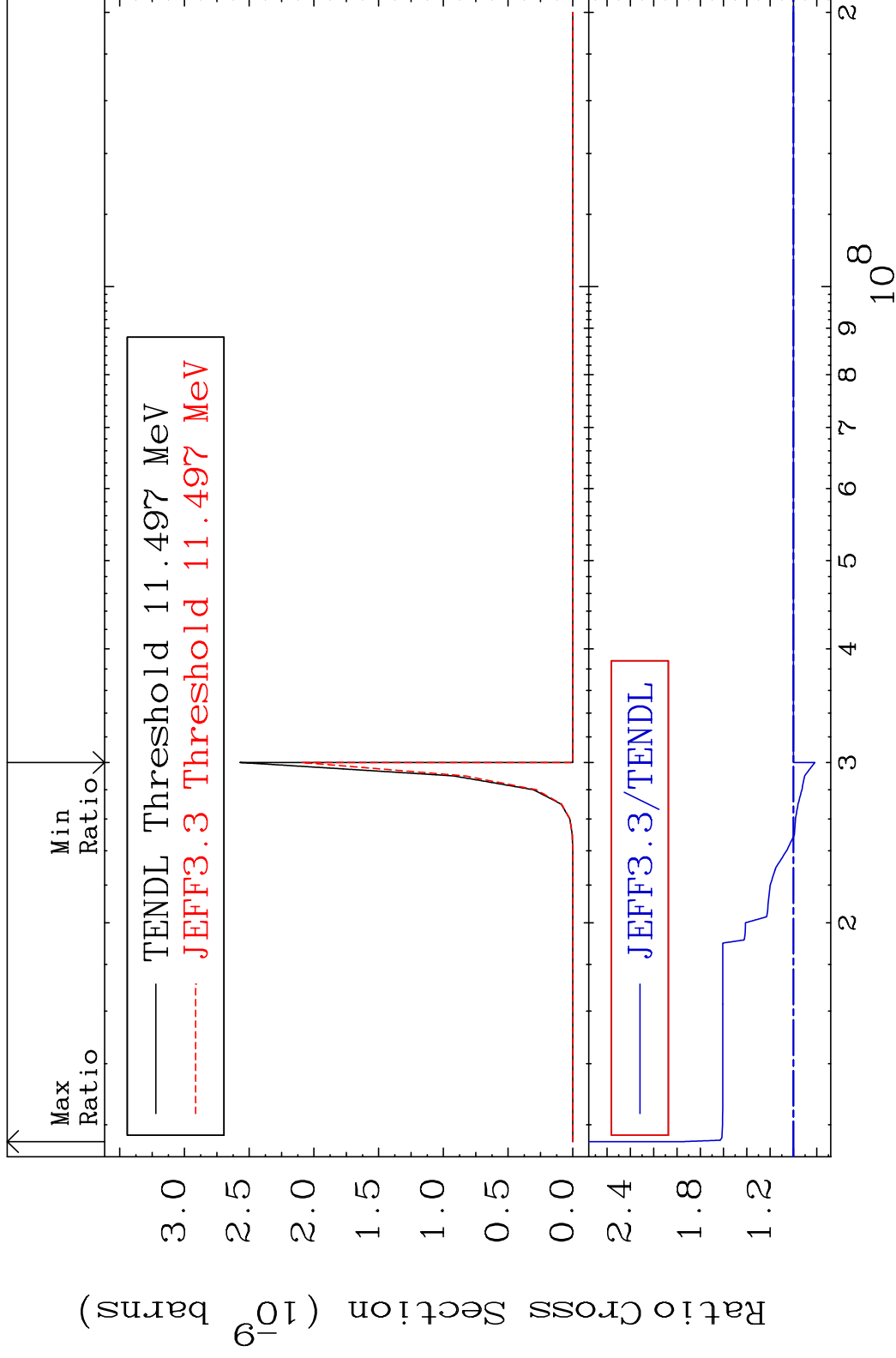


MAT 7640

(n,p) d

76-0s-189

Cross Section -18.44 To 93.71 %

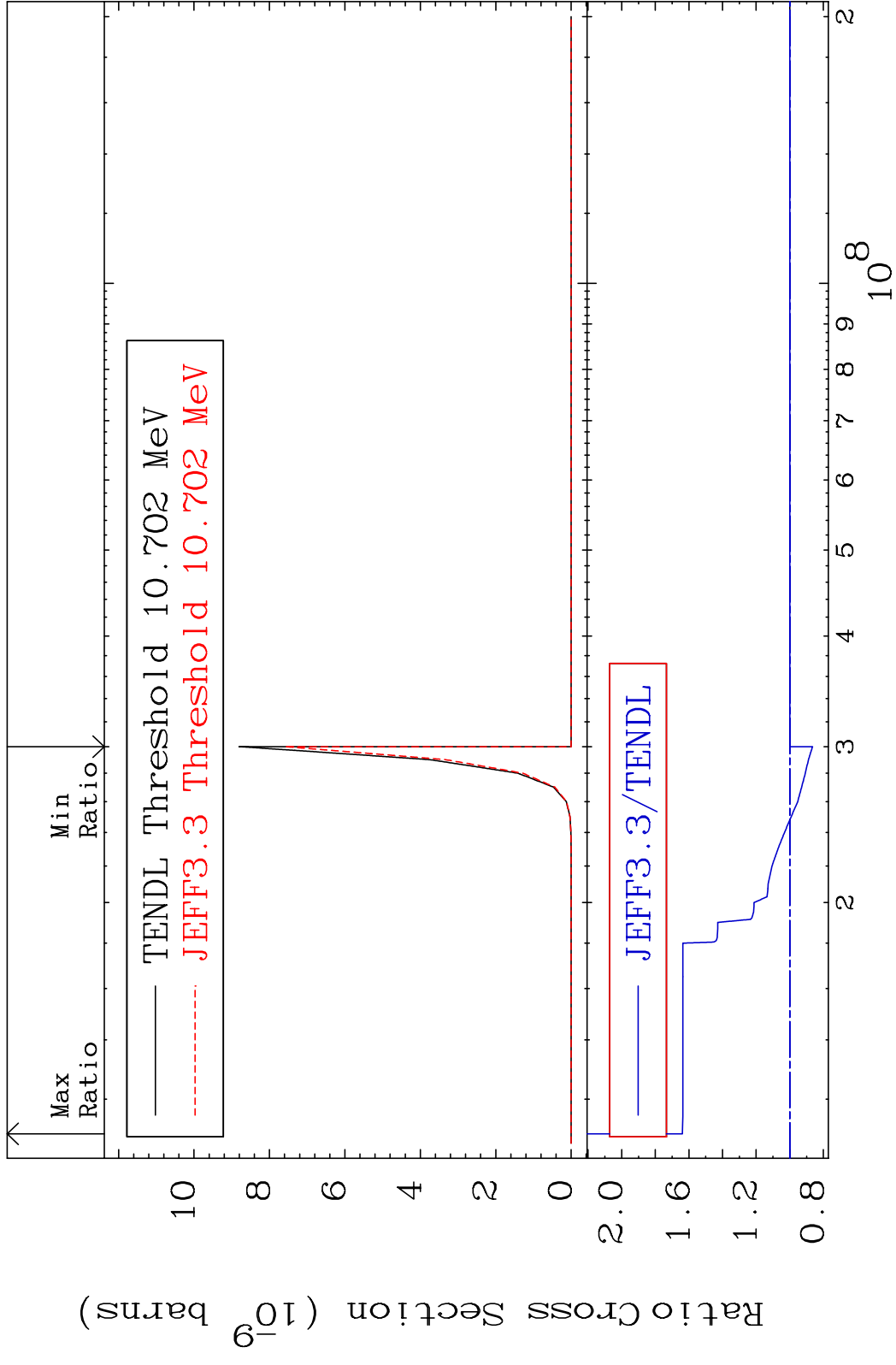


55

Incident Energy (eV)

76-0s-189

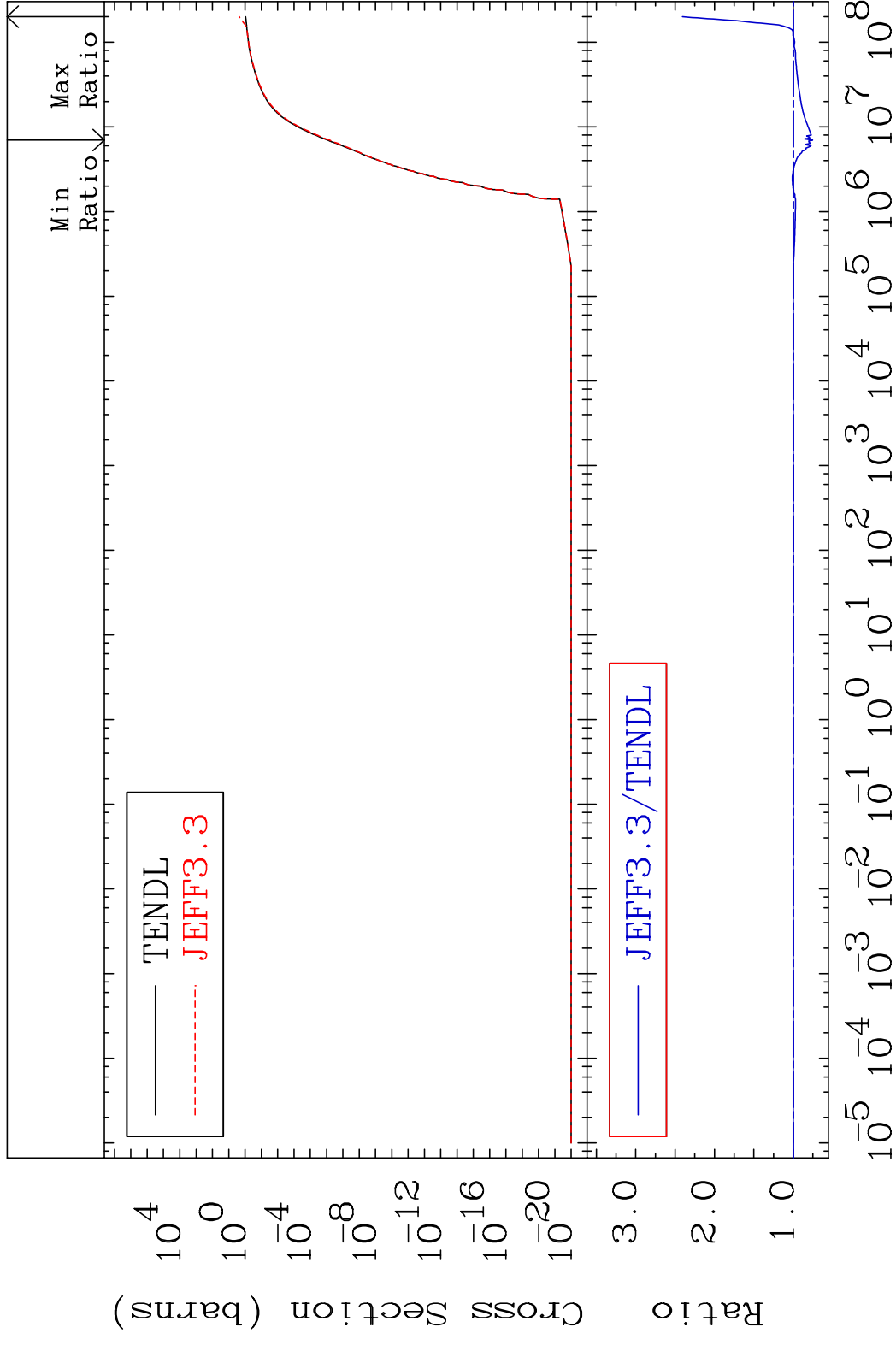
MAT 7640 (n,p) t 76-0s-189
 Cross Section -13.56 To 63.91 %



MAT 7640

Hydrogen Production
Cross Section -24.55 To 140.8 %

76-0s-189



57

Incident Energy (eV)

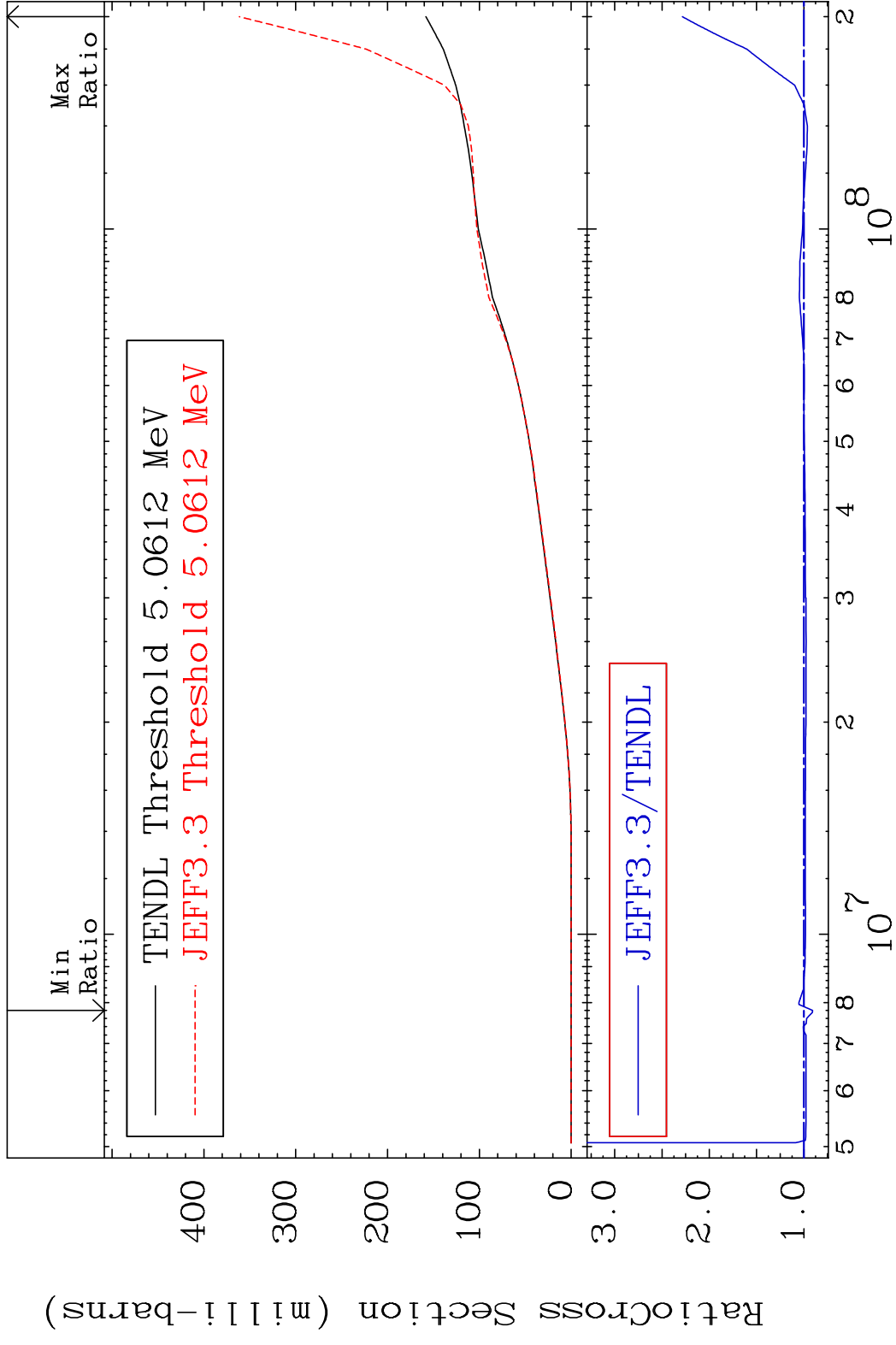
76-0s-189

MAT 7640

Deuterium Production

76-Os-189

Cross Section -9.198 To 128.5 %

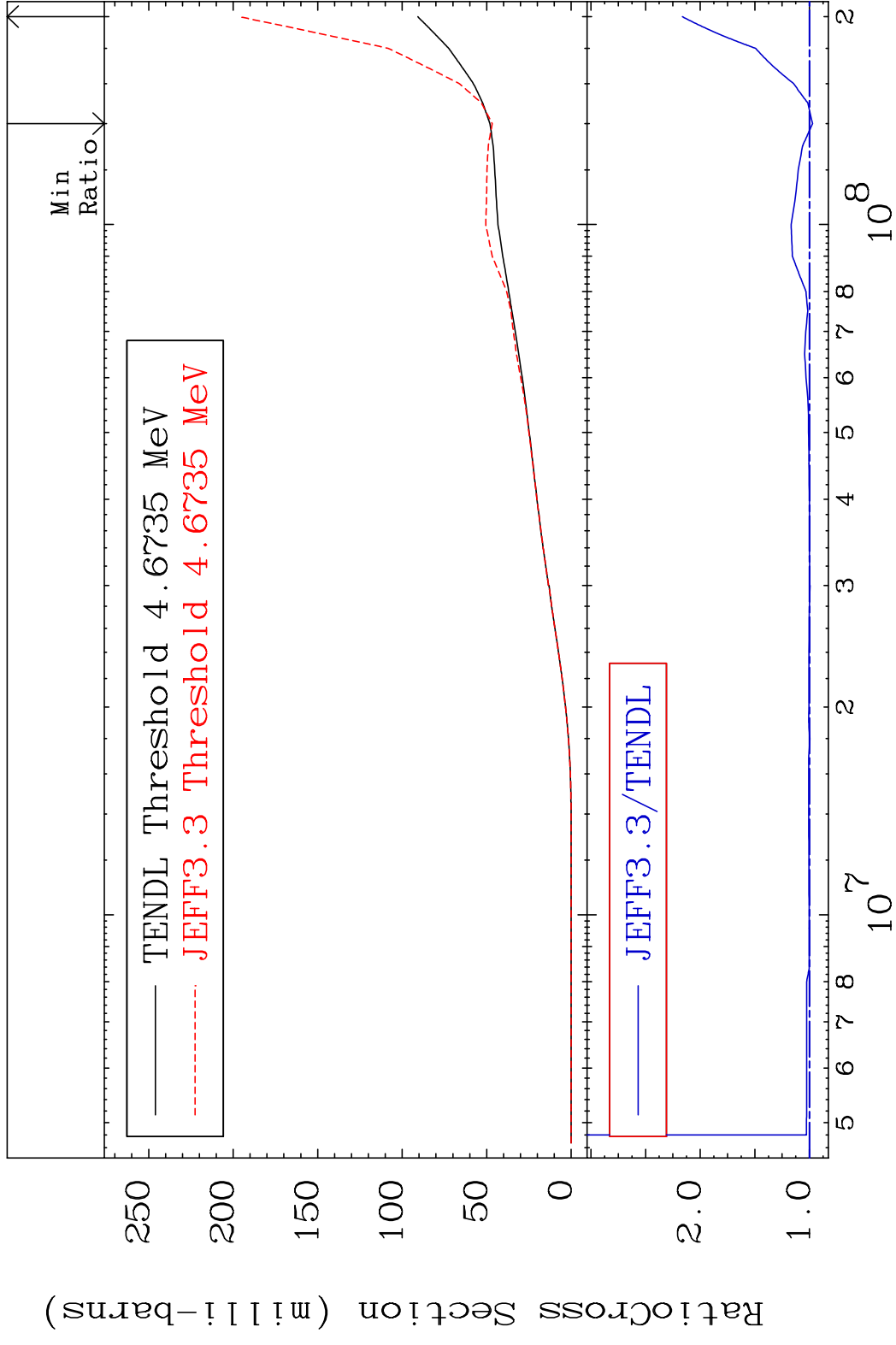


MAT 7640

Tritium Production

76-0s-189

Cross Section -2.829 To 116.3 %



59

Incident Energy (eV)

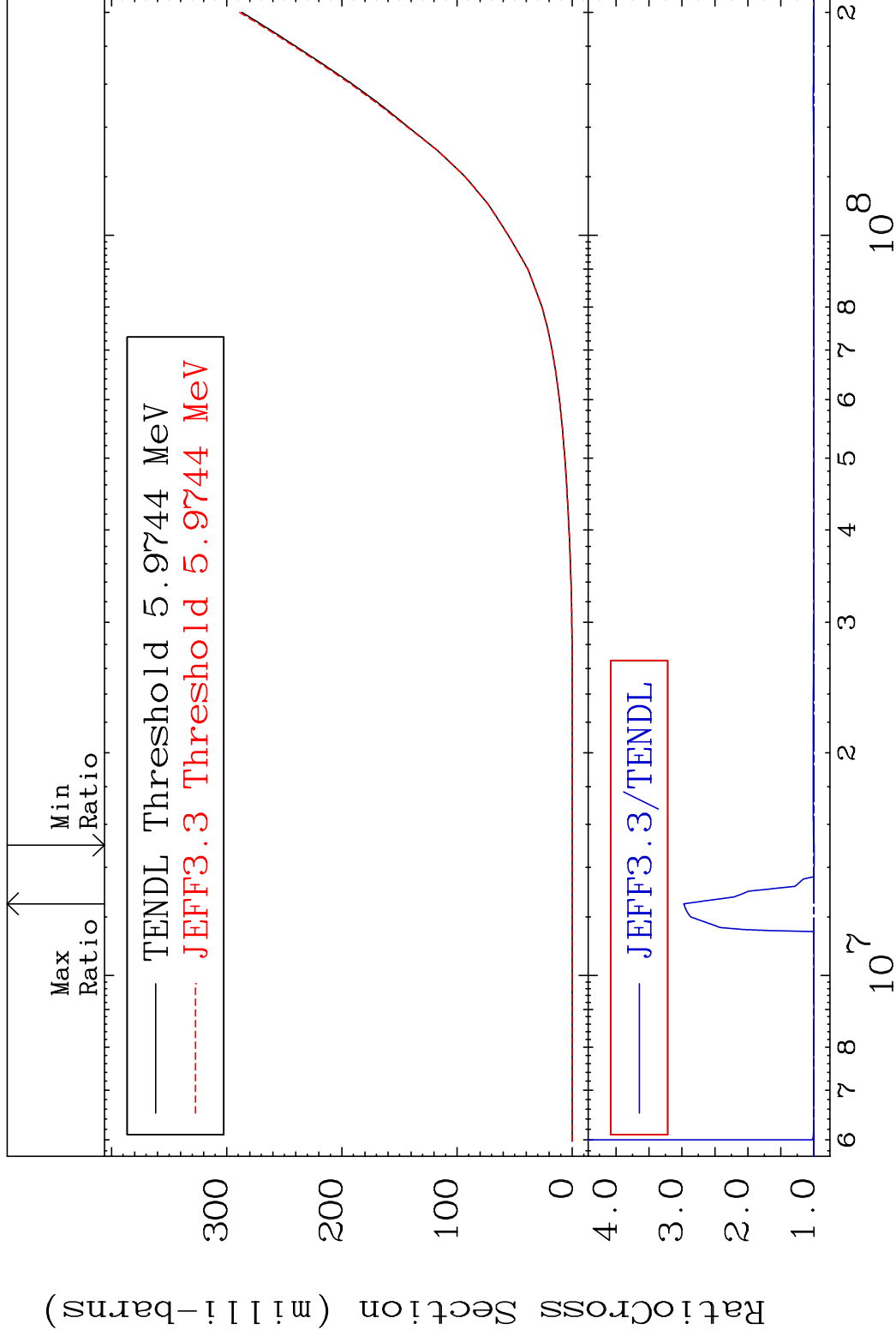
76-0s-189

MAT 7640

He-3 Production

76-Os-189

Cross Section -0.387 To 197.4 %



60

Incident Energy (eV)

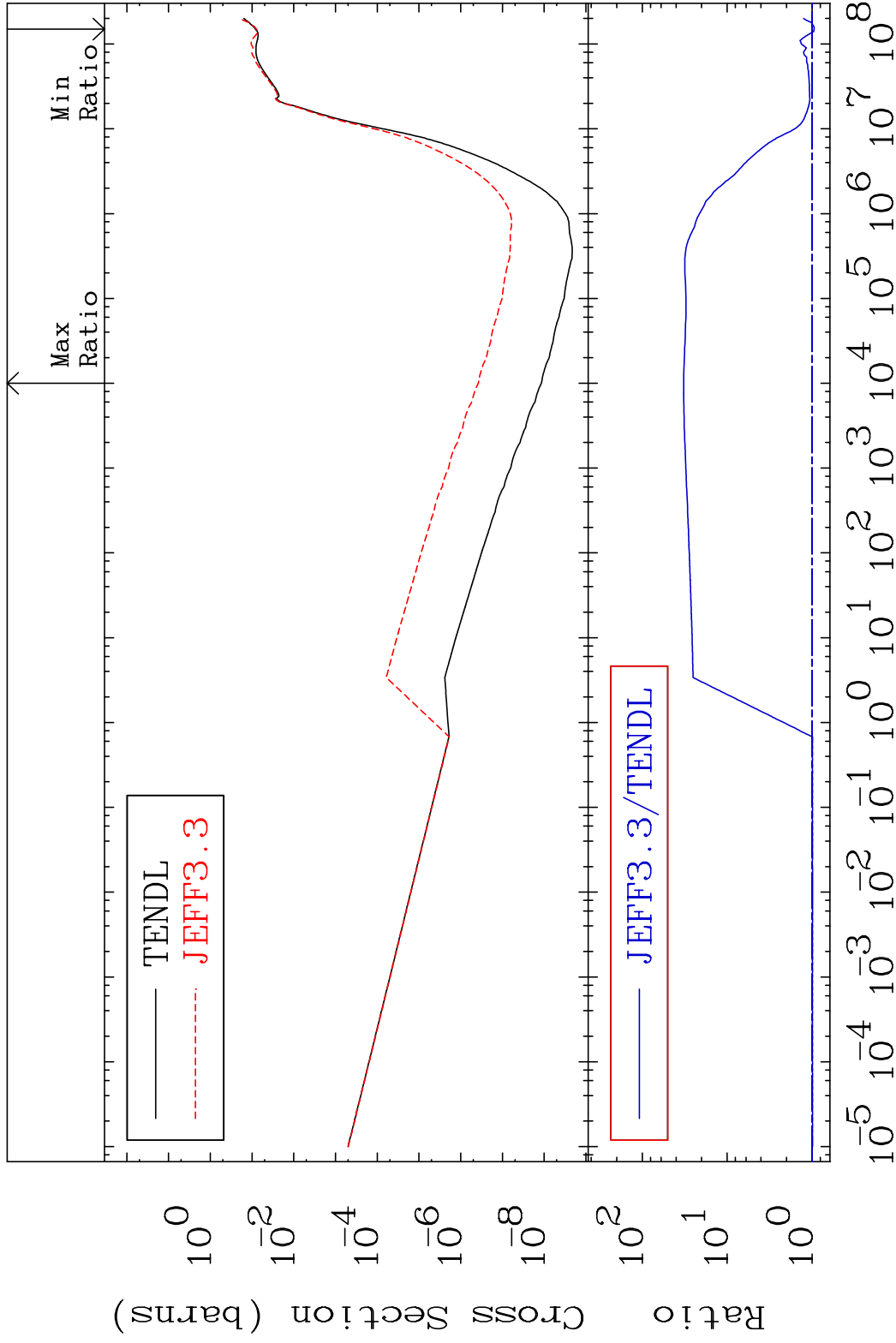
76-Os-189

MAT 7640

He-4 Production

76-0s-189

Cross Section -5.409 To 3154. %



61

Incident Energy (eV)

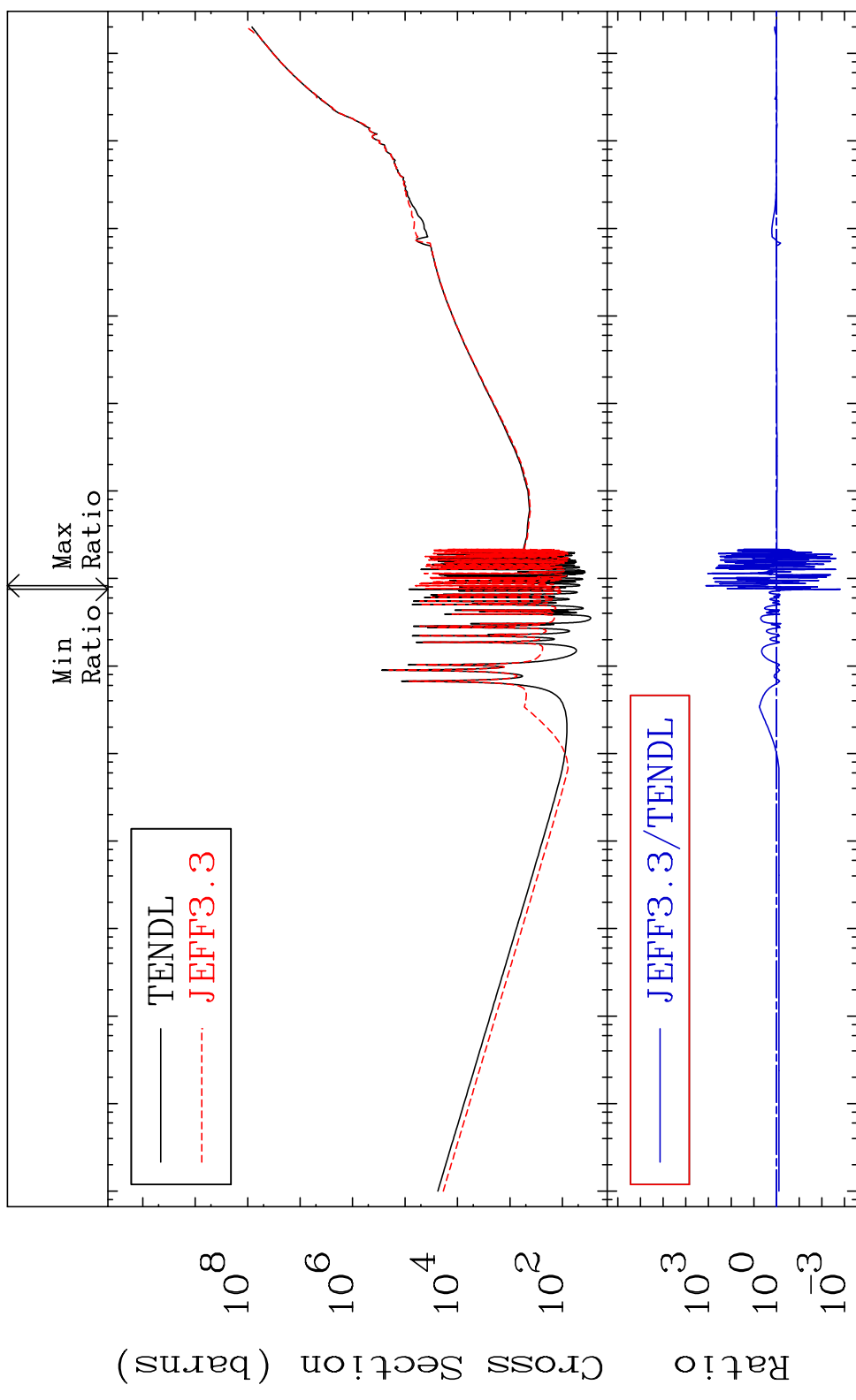
76-0s-189

MAT 7640

Kerma total (eV-barns)

76-0s-189

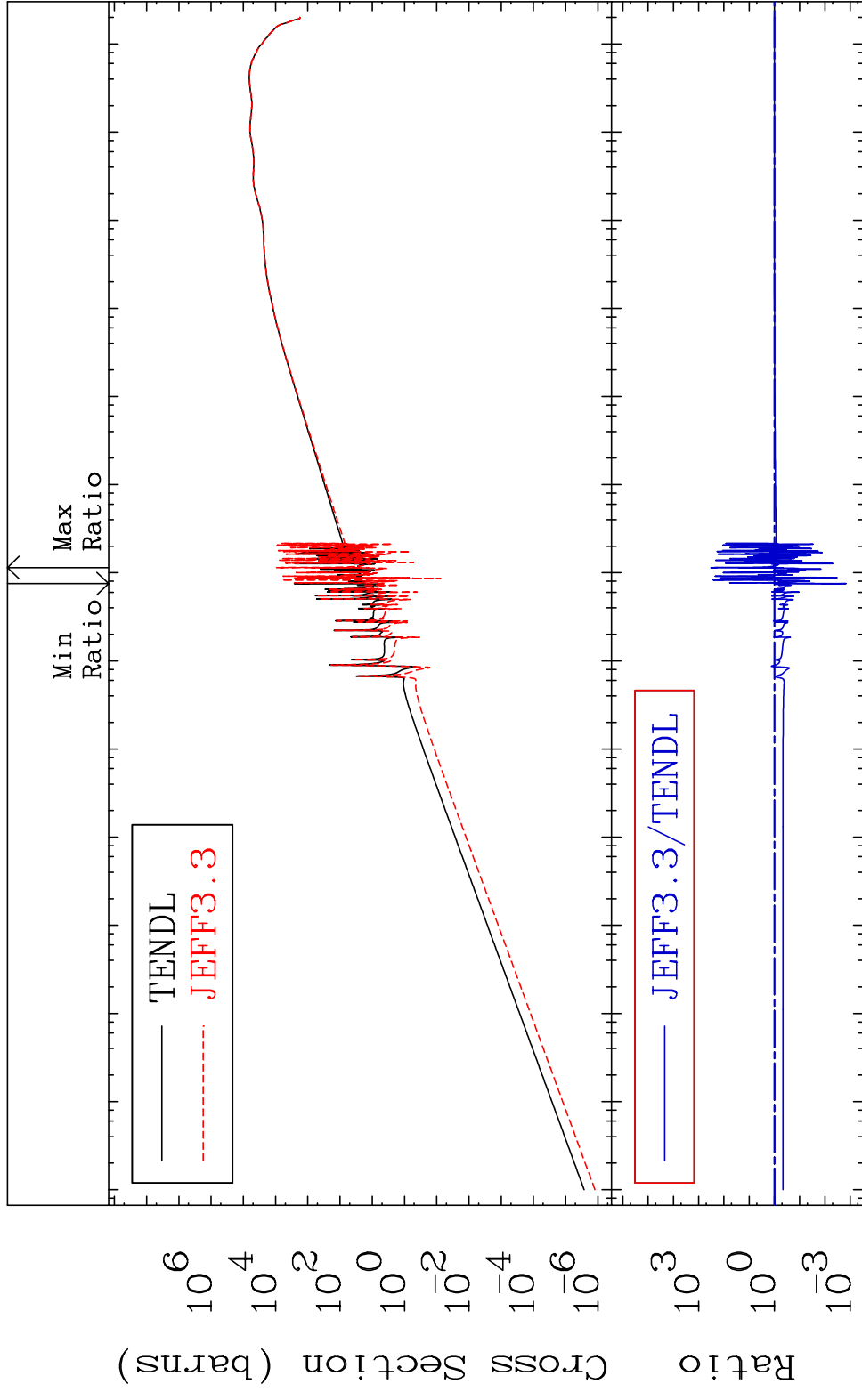
Cross Section -99.85 To 9999. %



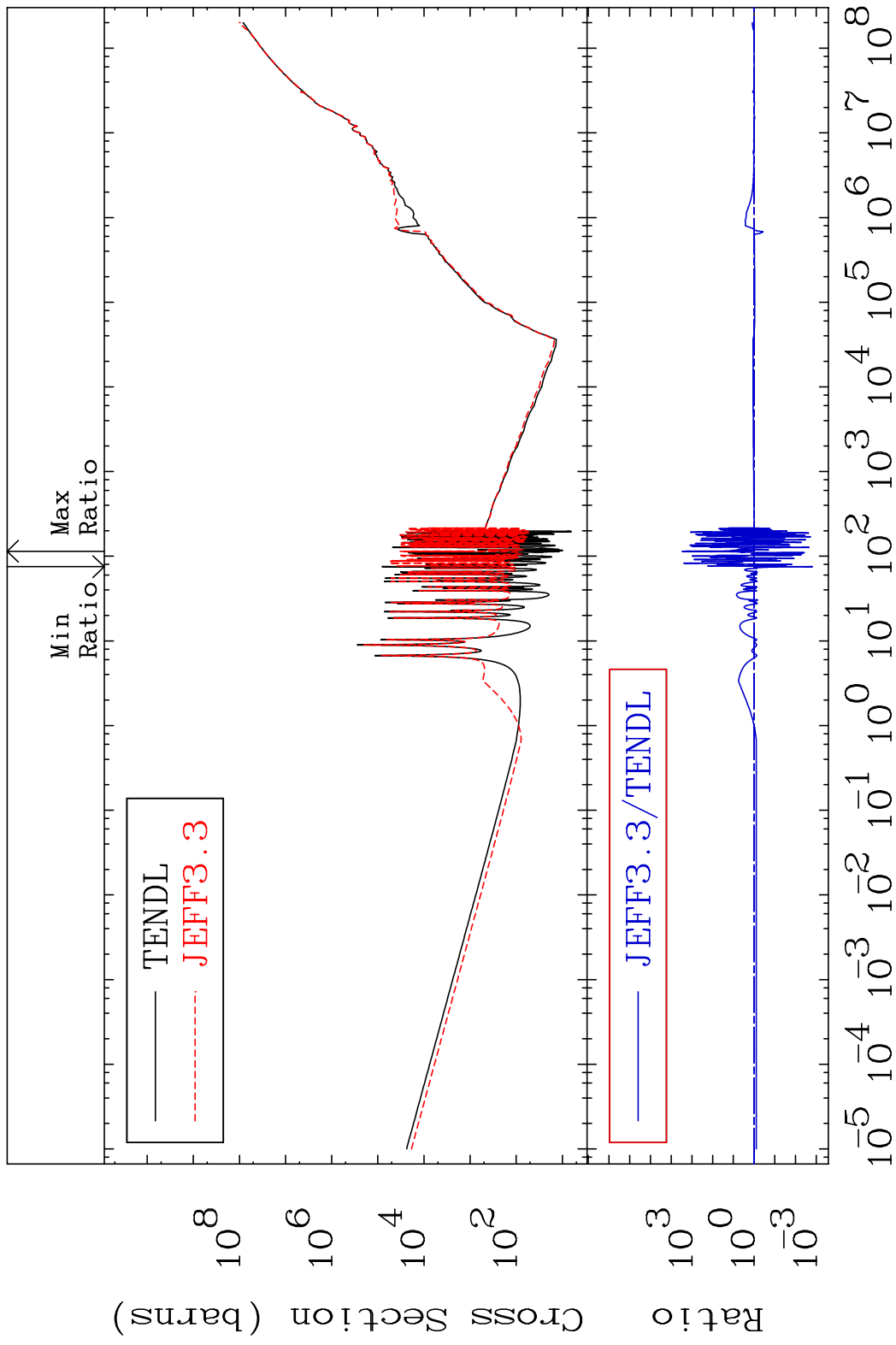
MAT 7640

Kerma elastic
Cross Section

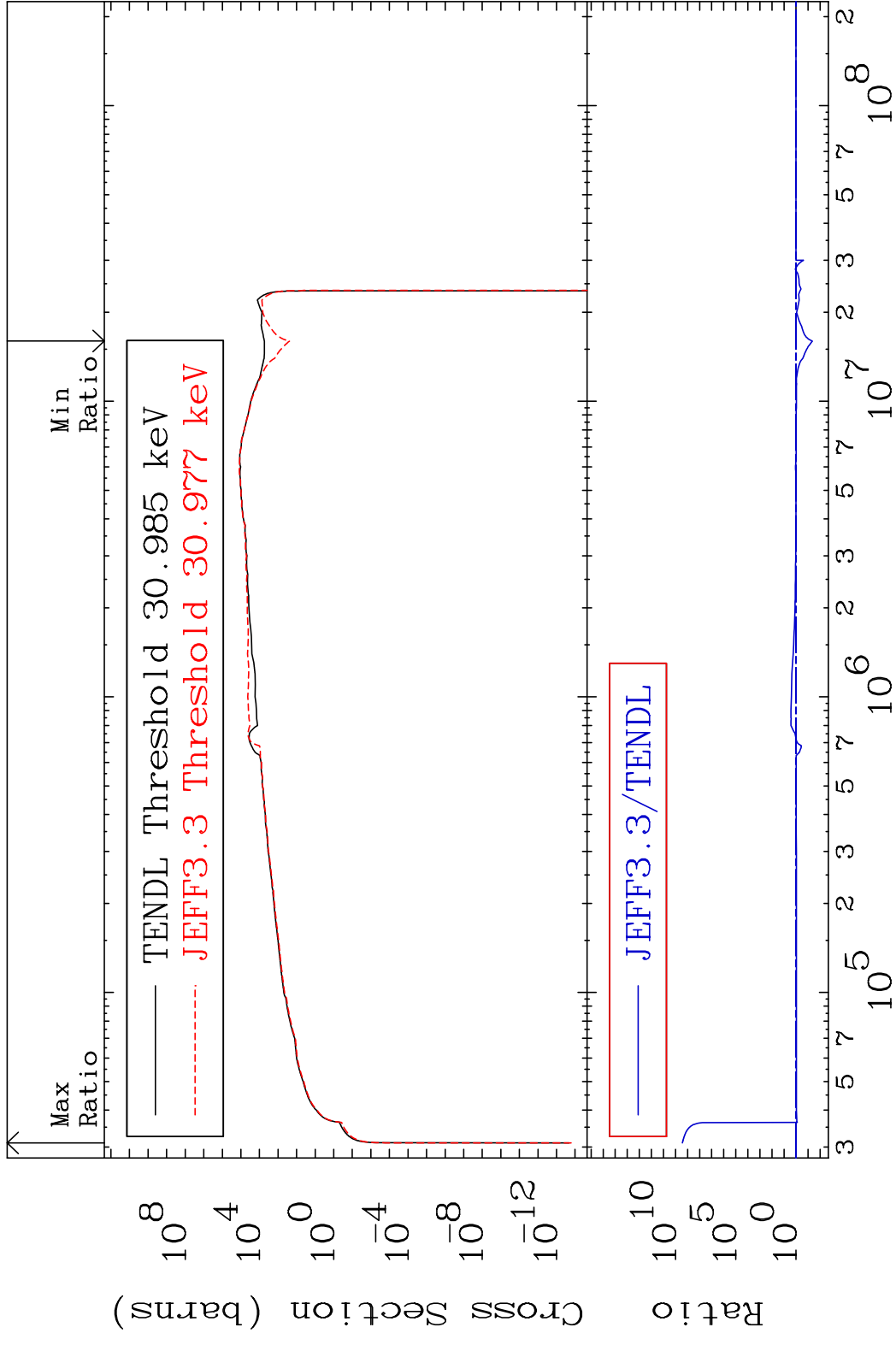
76-0s-189
-99.86 To 9999. %



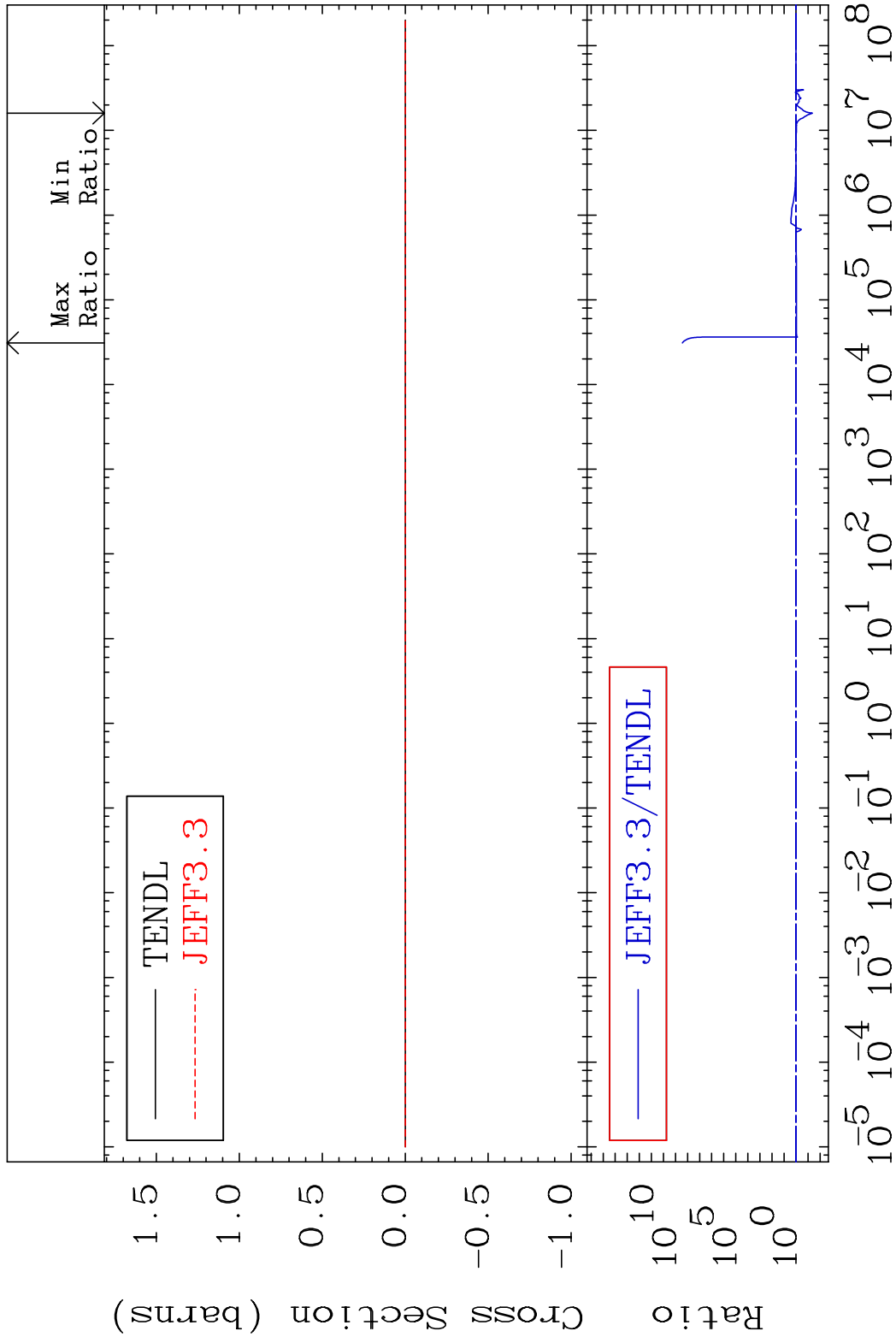
MAT 7640 Kerma non-elastic (all but mt2) 76-0s-189
 Cross Section -99.85 To 9999. %



MAT 7640 Kerma inelastic (mt51-91) 76-Os-189
 Cross Section -95.71 To 9999. %



MAT 7640 Kerma fission (mt18 or mt19-20-21-38)76-0s-189
 Cross Section -95.71 To 9999. %

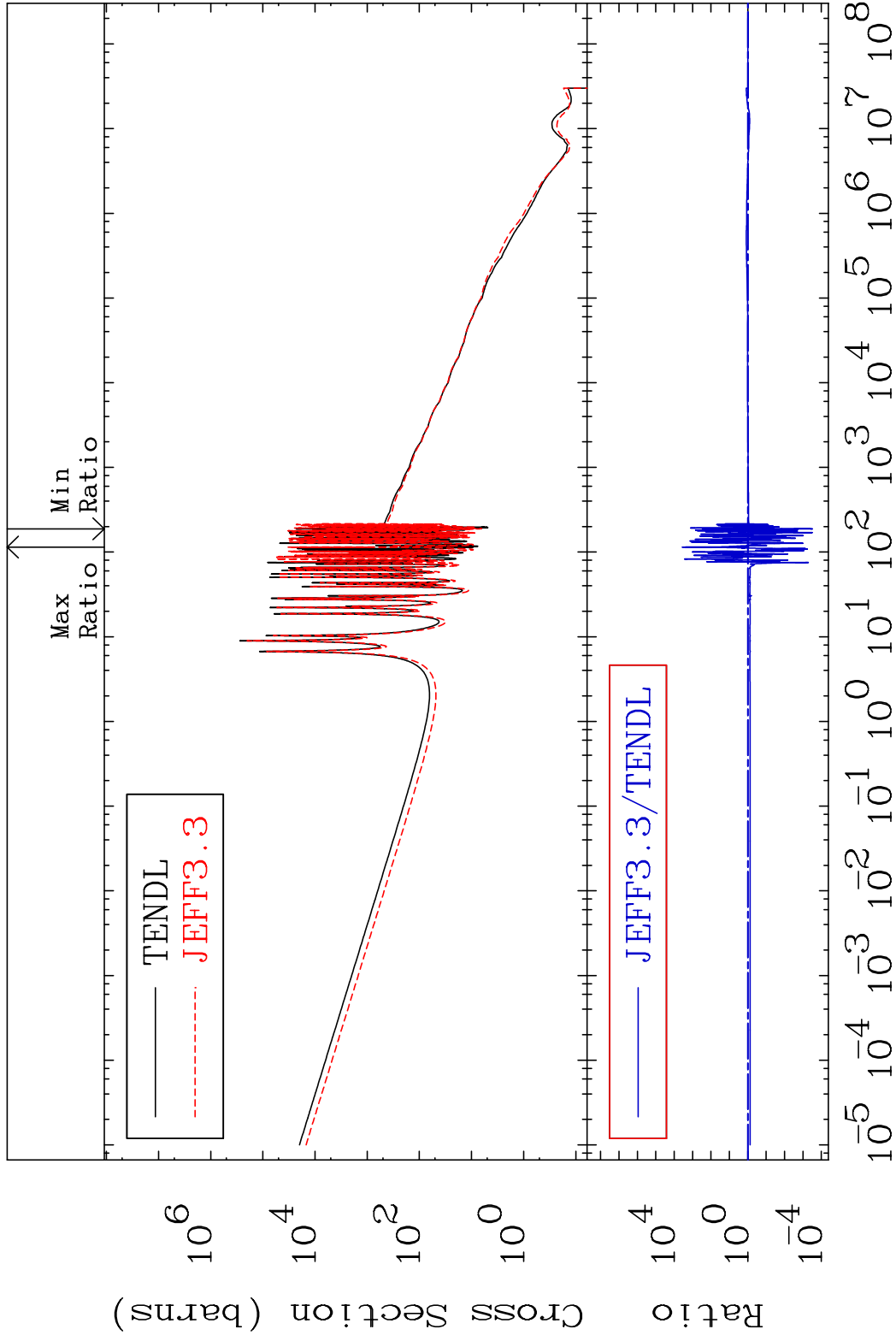


MAT 7640

Kerma capture (mt102)

76-0s-189

Cross Section -99.97 To 9999. %

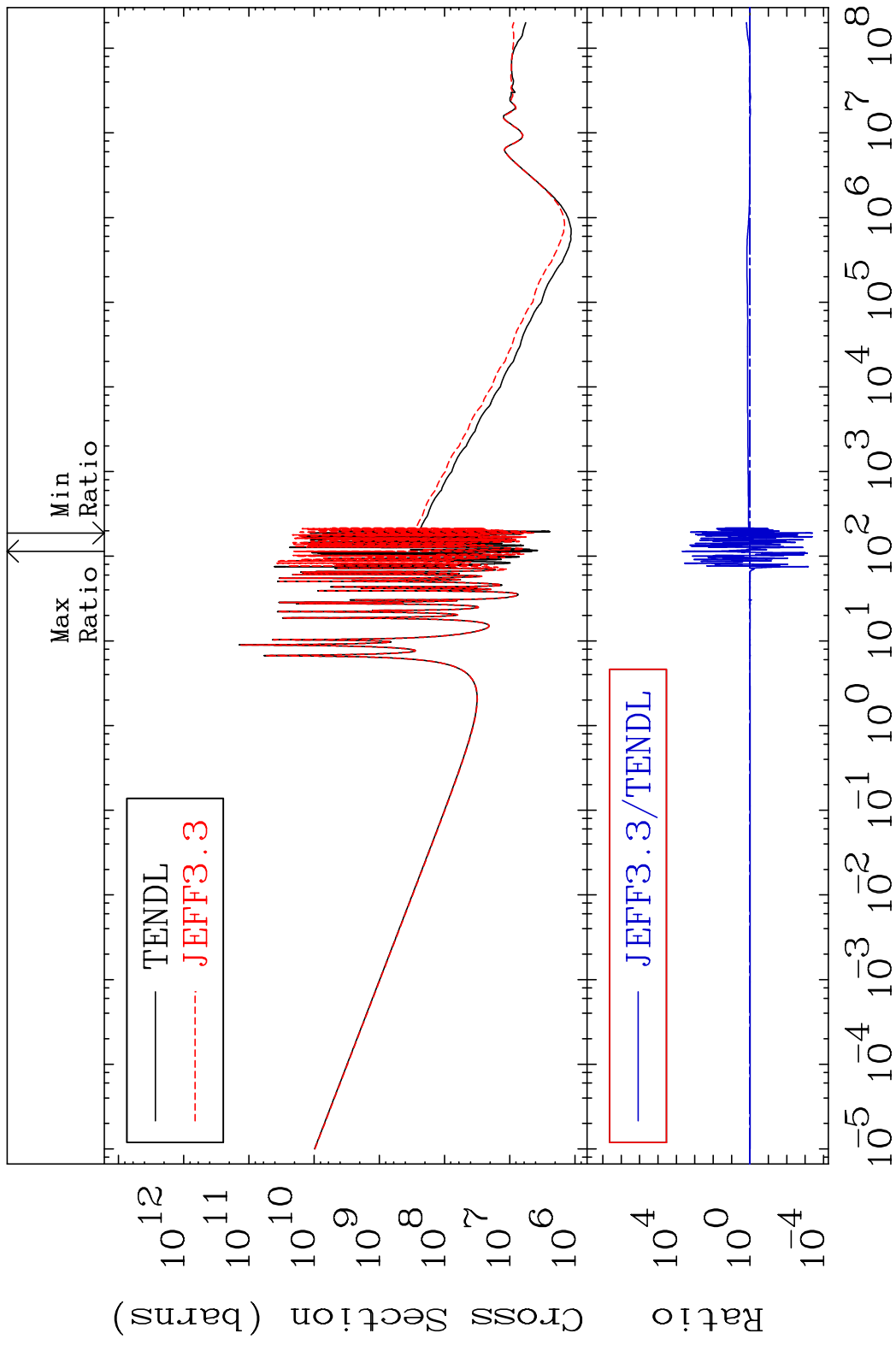


67

Incident Energy (eV)

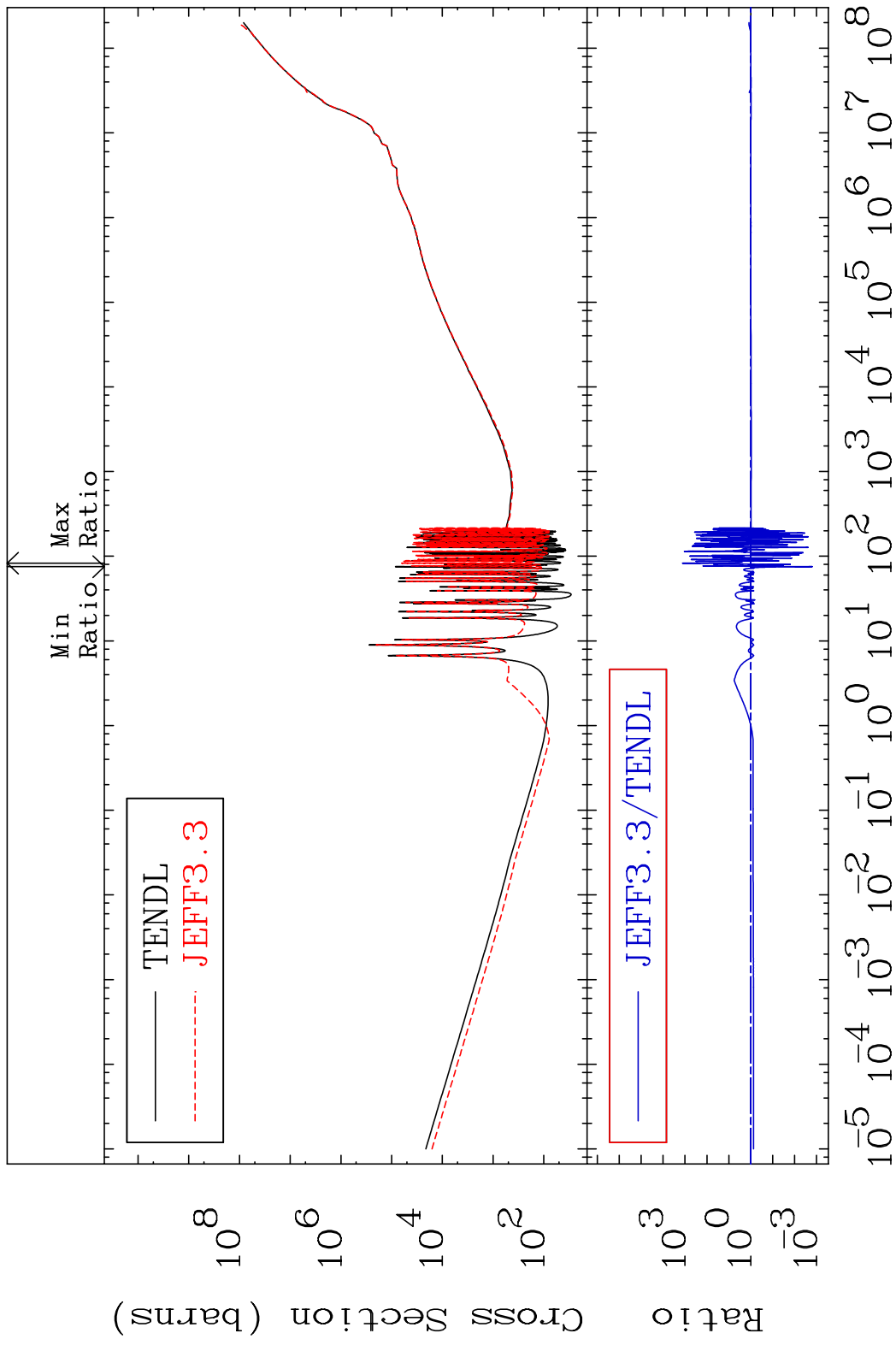
76-0s-189

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



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

MAT 7640 Total kinematic kerma (high limit) 76-0s-189
 Cross Section -99.85 To 9999. %

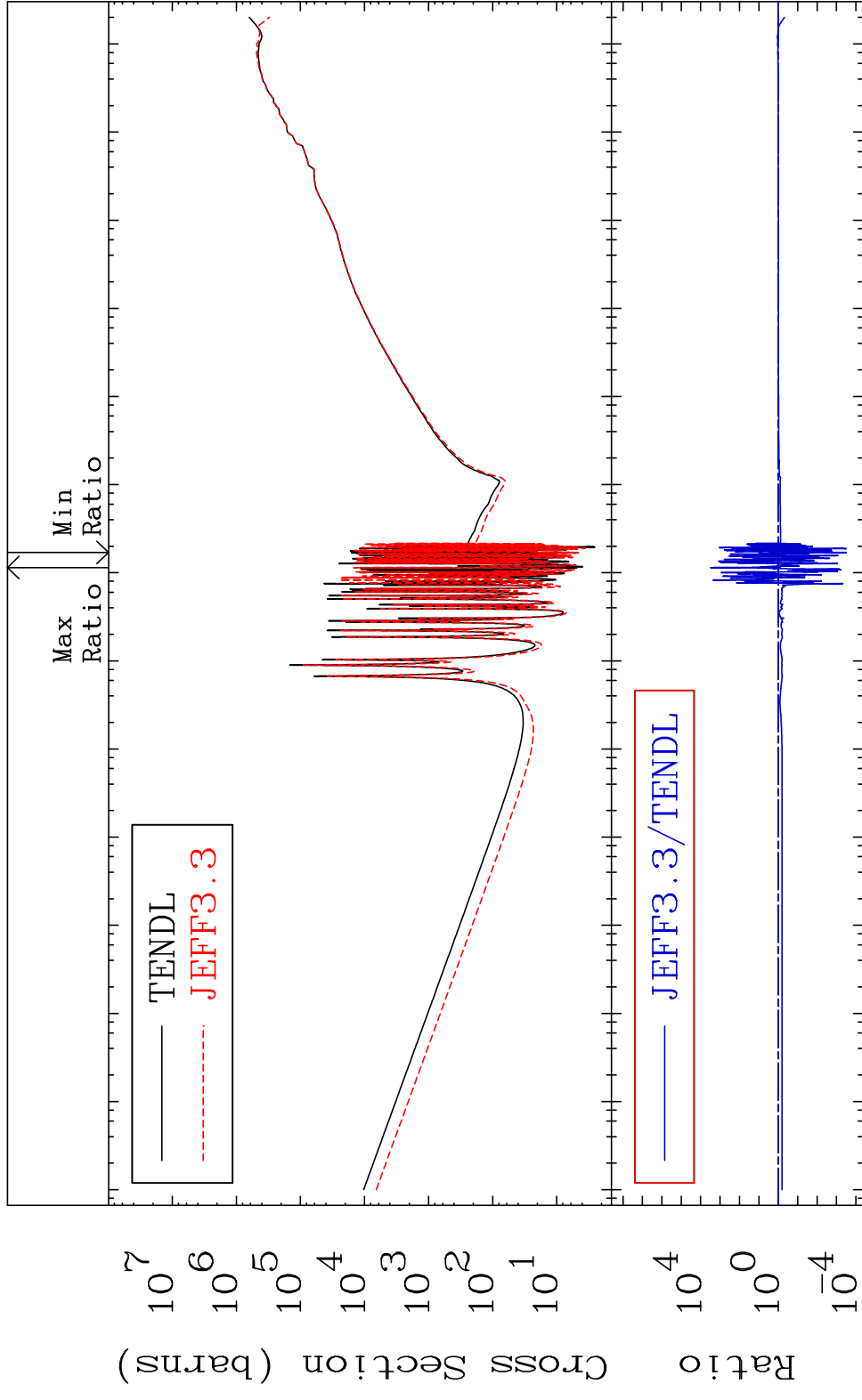


MAT 7640

Dpa total (eV-barns)

76-0s-189

Cross Section -99.97 To 9999. %



70

Incident Energy (eV)

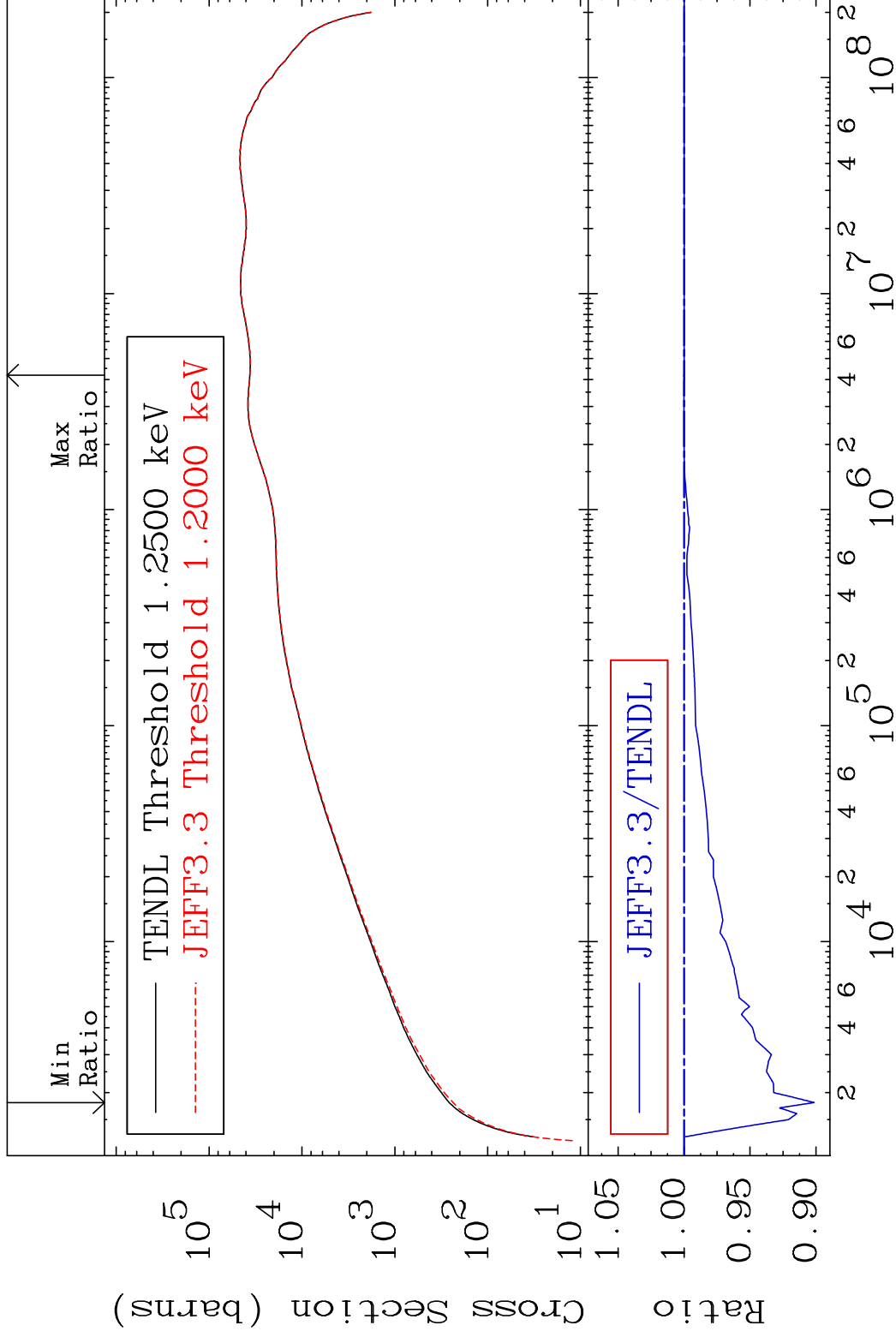
76-0s-189

MAT 7640

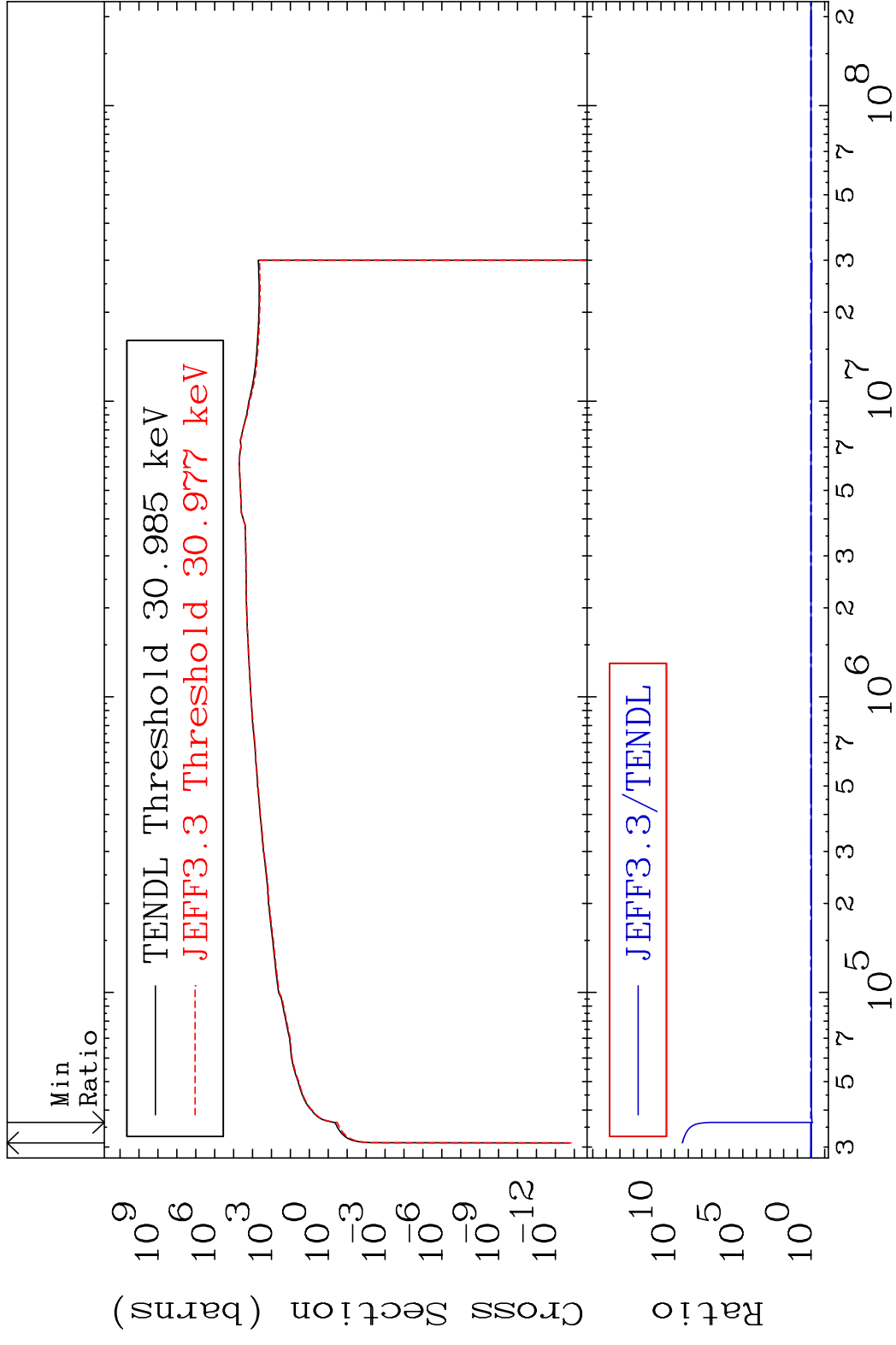
Dpa elastic (mt2)

76-0s-189

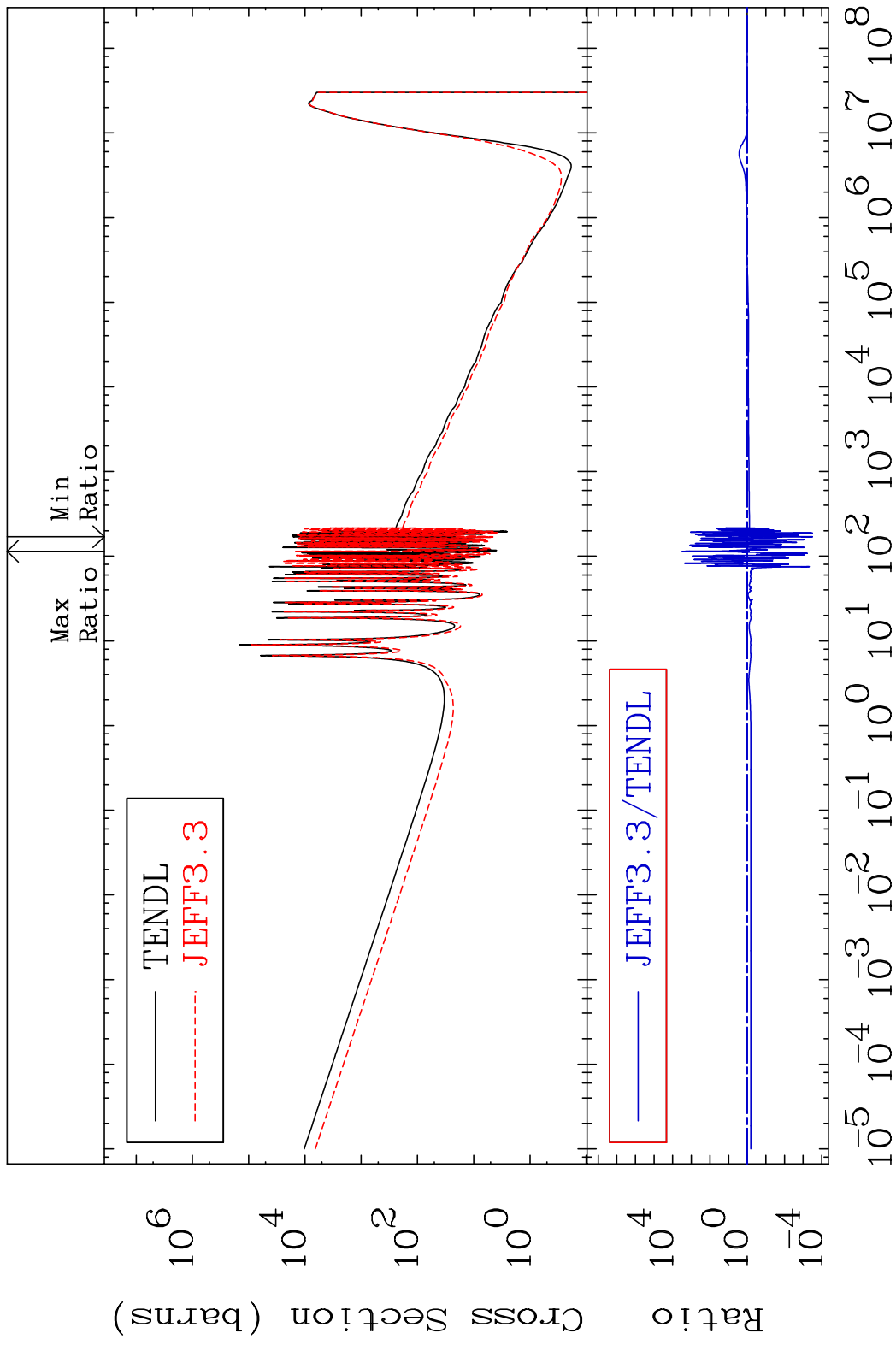
Cross Section -9.856 To 0.030 %



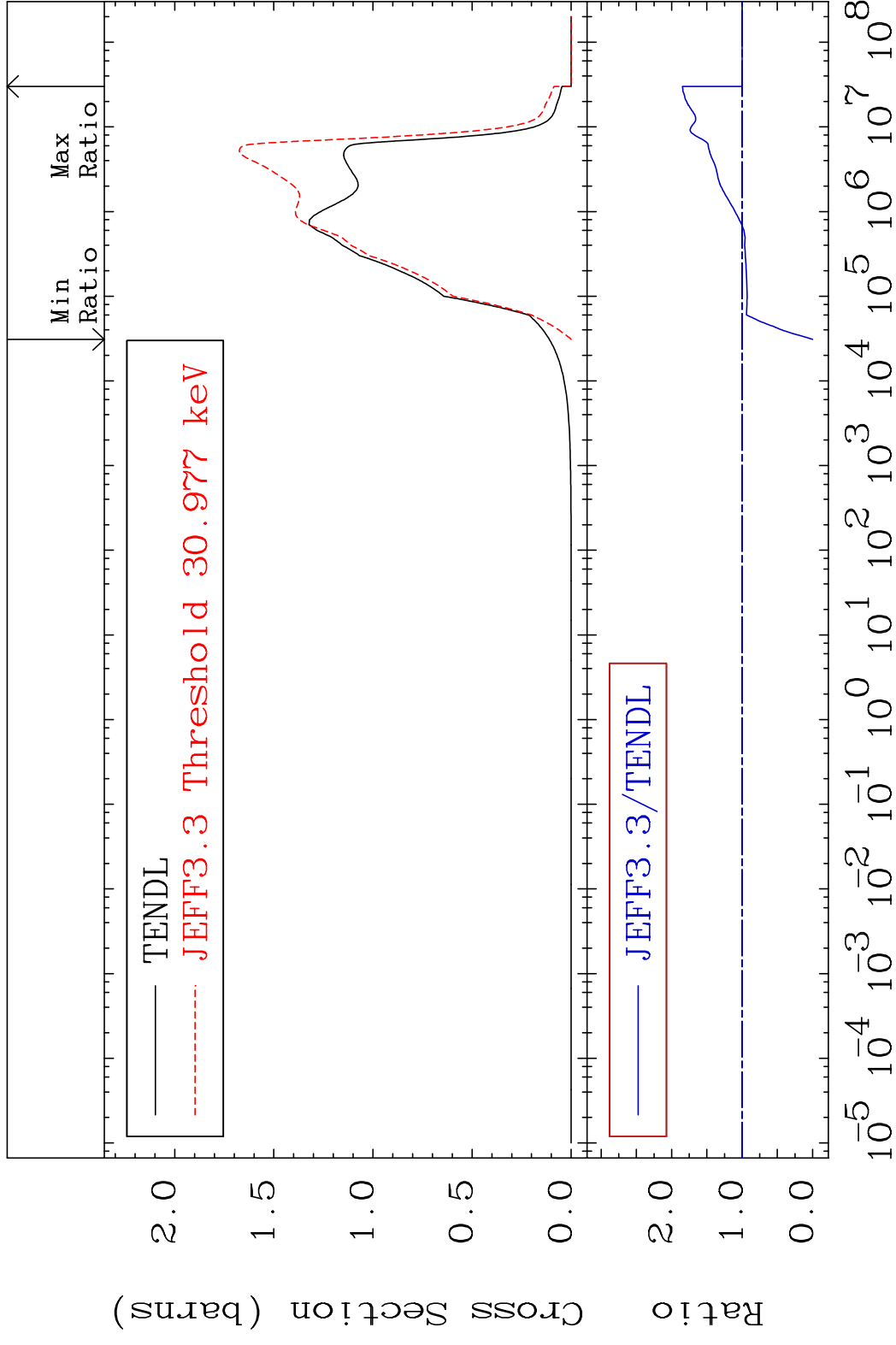
MAT 7640 Dpa inelastic (mt51-91) 76-Os-189
 Cross Section -22.56 To 9999. %



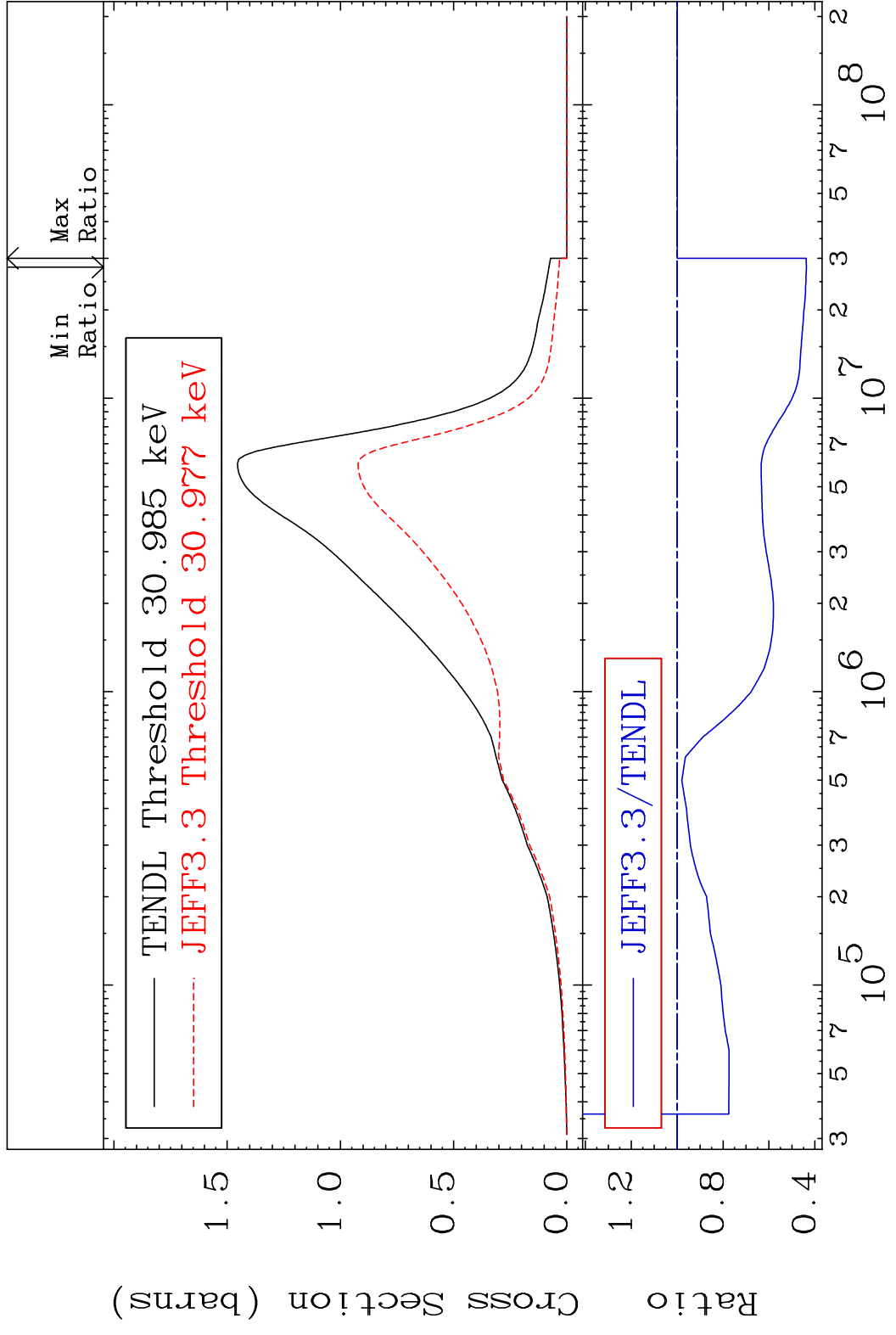
MAT 7640 Dpa disappearance (mt102 -120) 76-0s-189
 Cross Section -99.97 To 9999. %



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

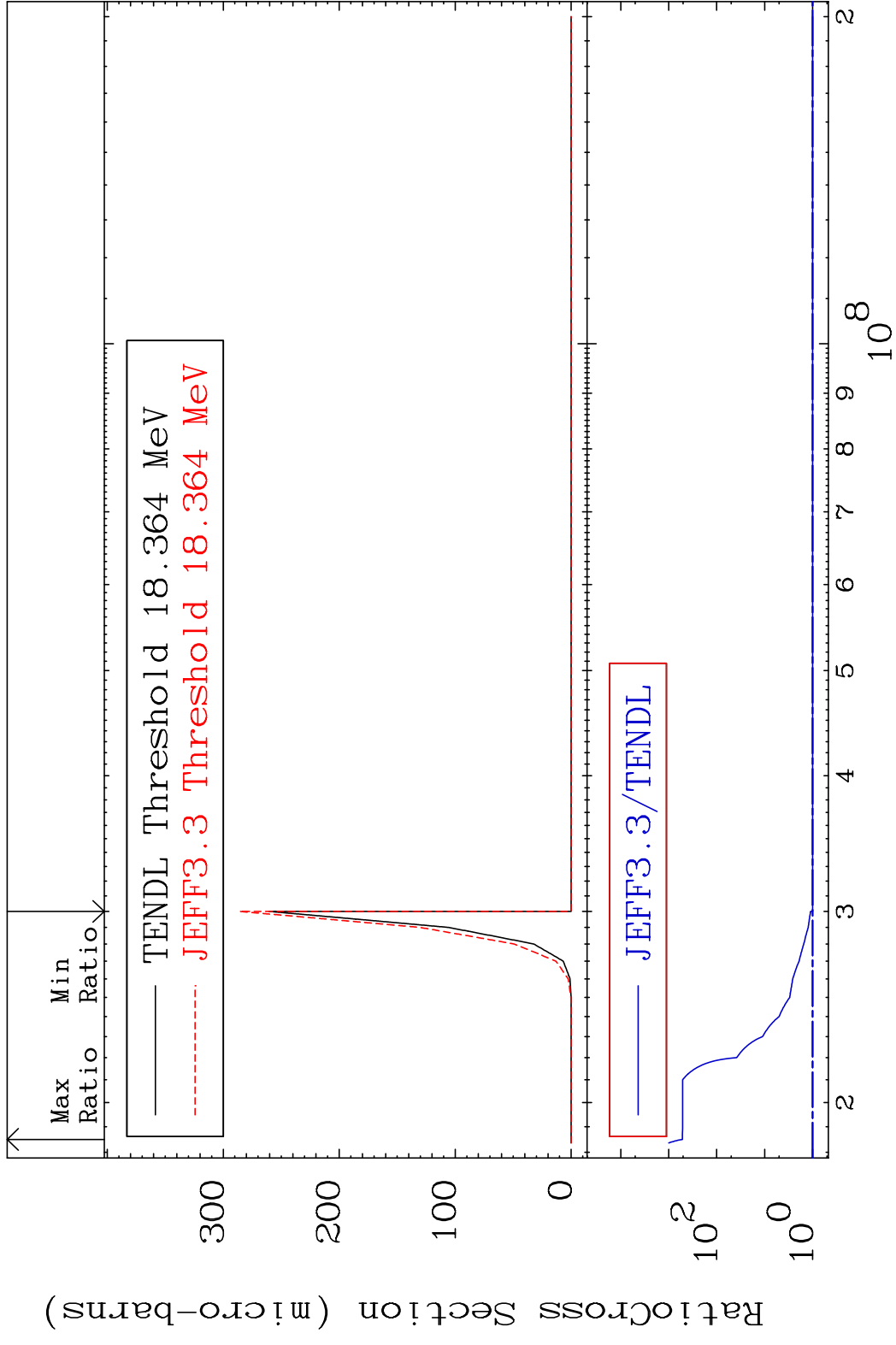


MAT 7640 Inelastic: 76-Os-189m1 76-Os-189
 Radionuclide Production Cross Section 0.000 %

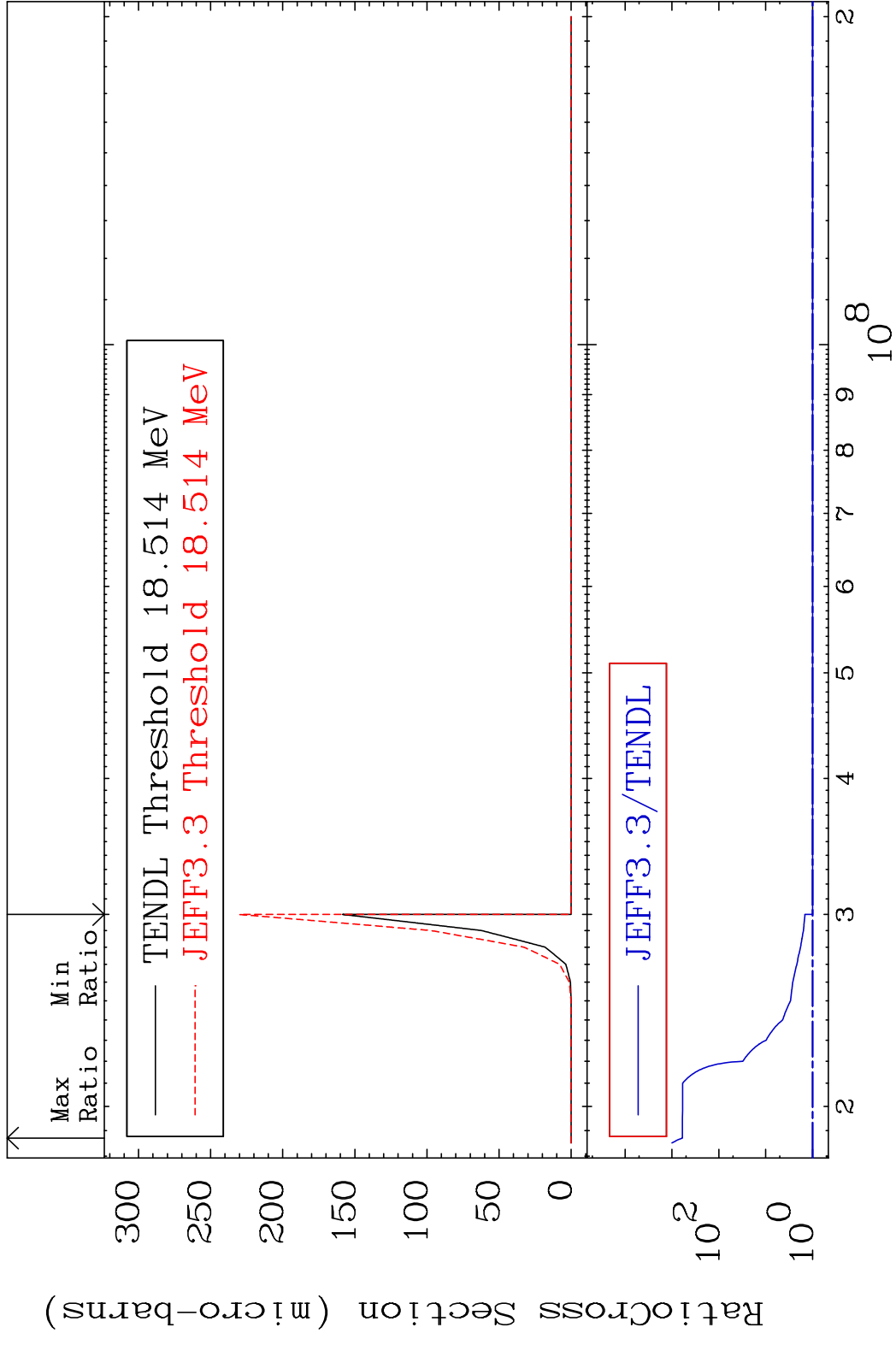


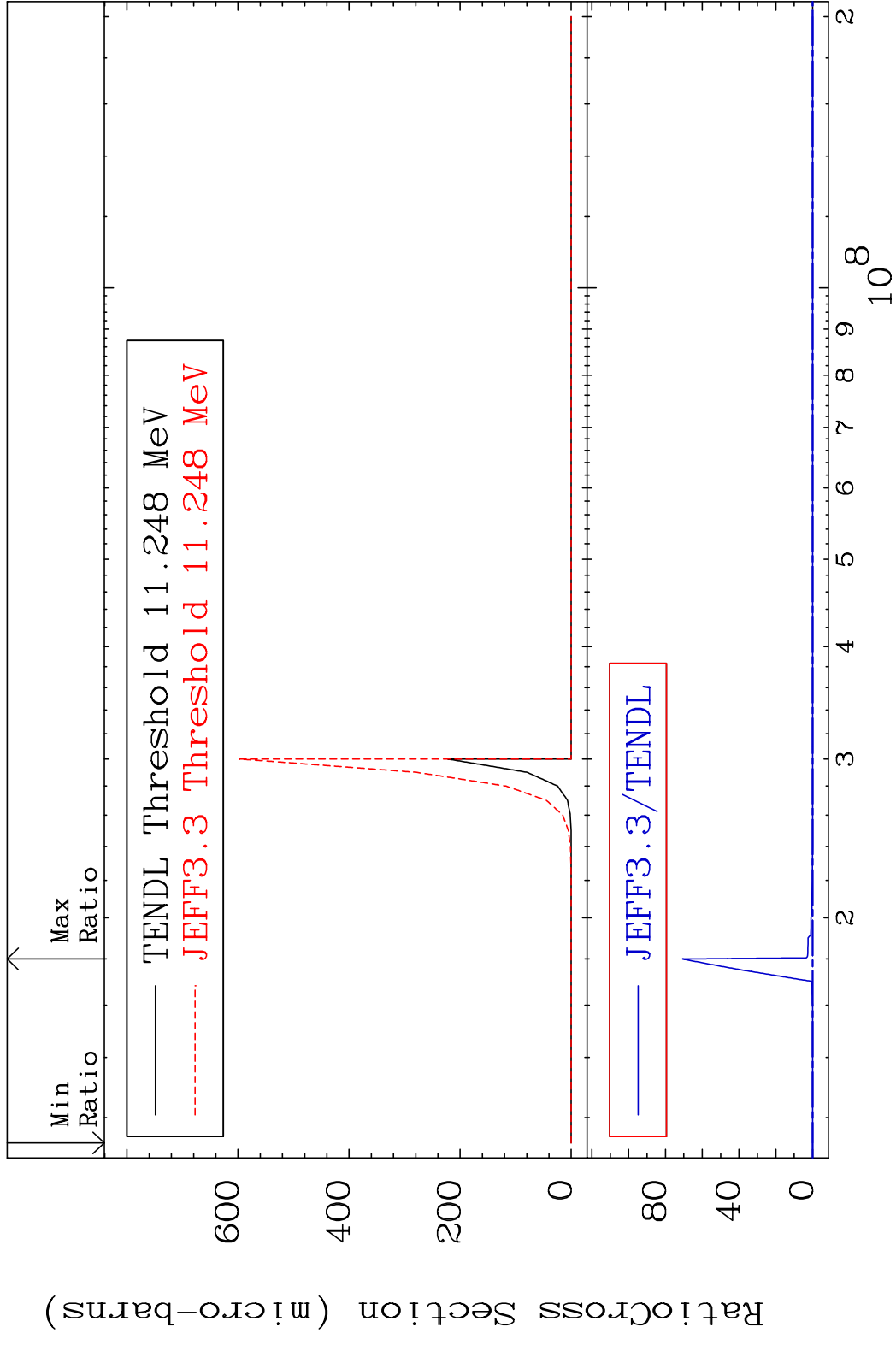
75 Incident Energy (eV) 76-Os-189

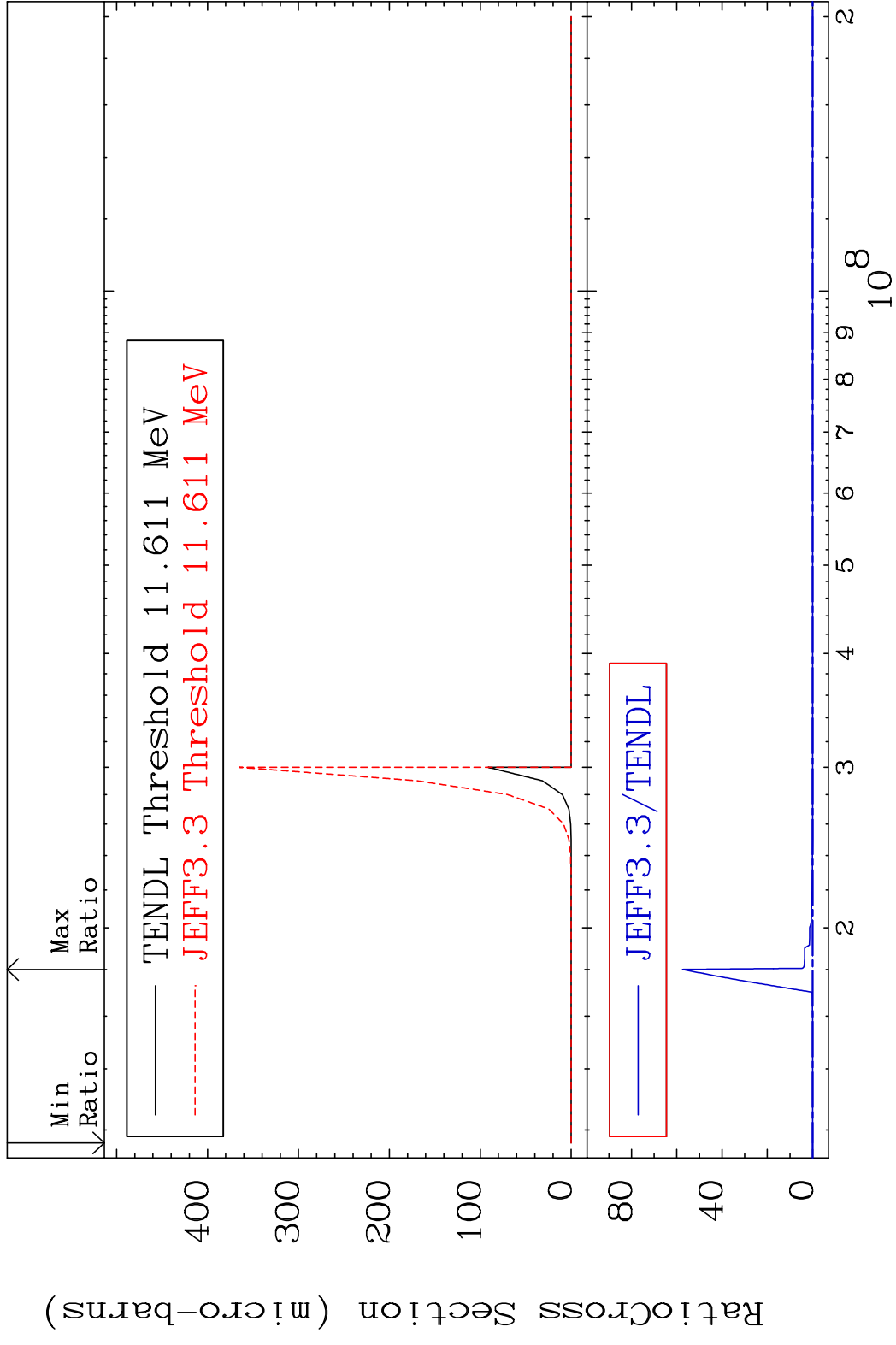
MAT 7640 (n,2n) d:75-Re-186g 76-0s-189
 Radionuclide Production Cross Section 9999. %



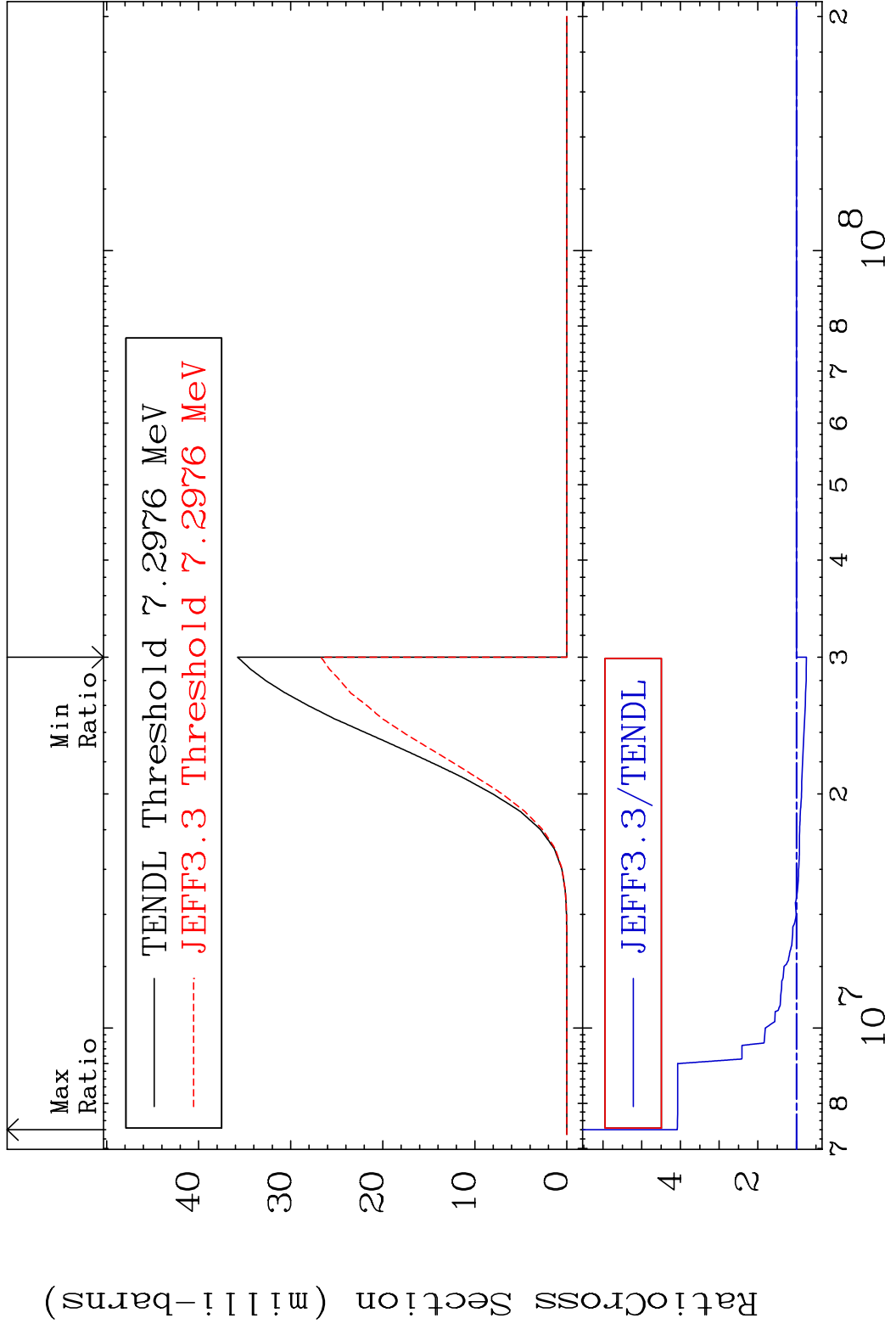
76 Incident Energy (eV) 76-0s-189





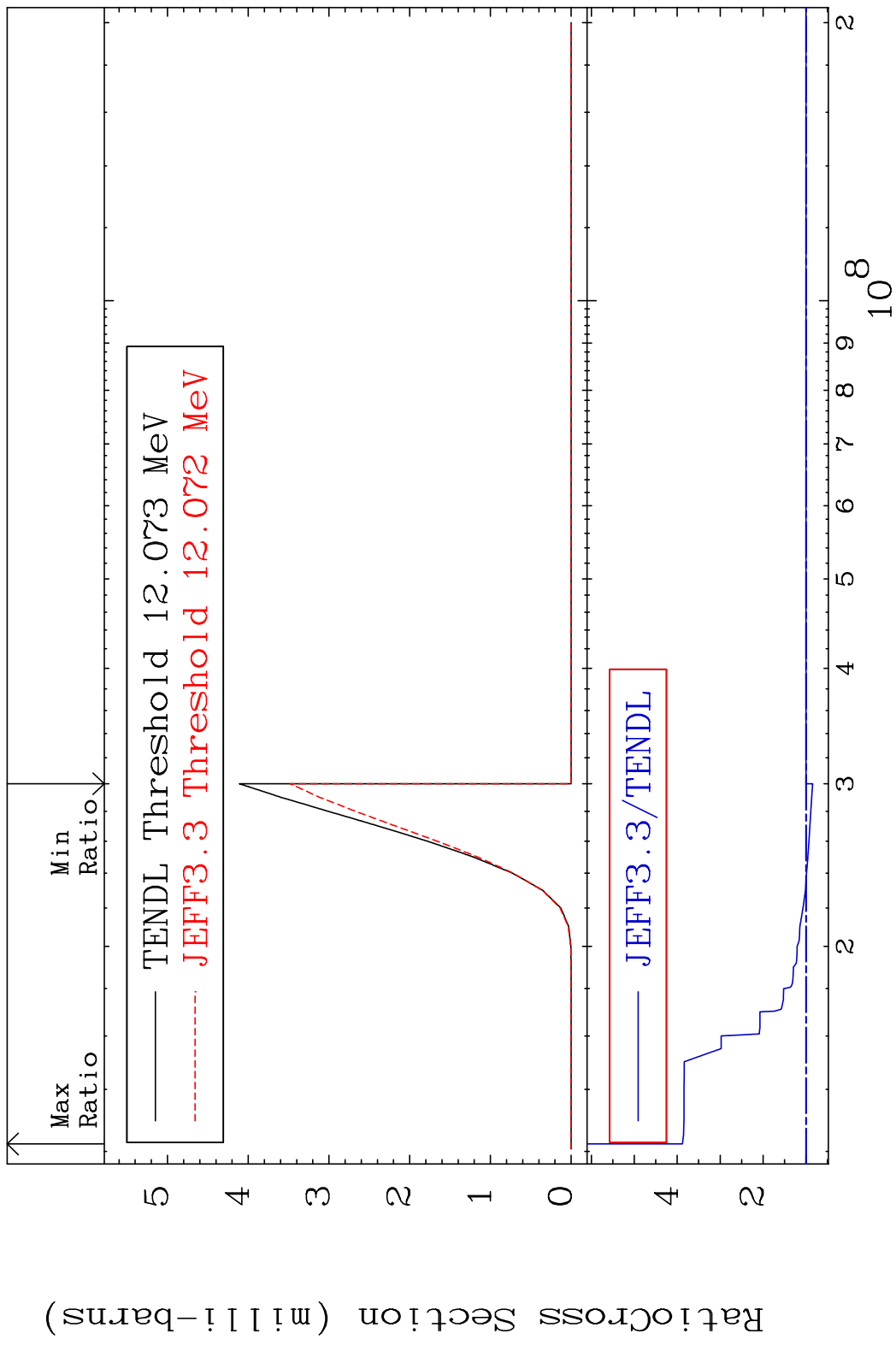


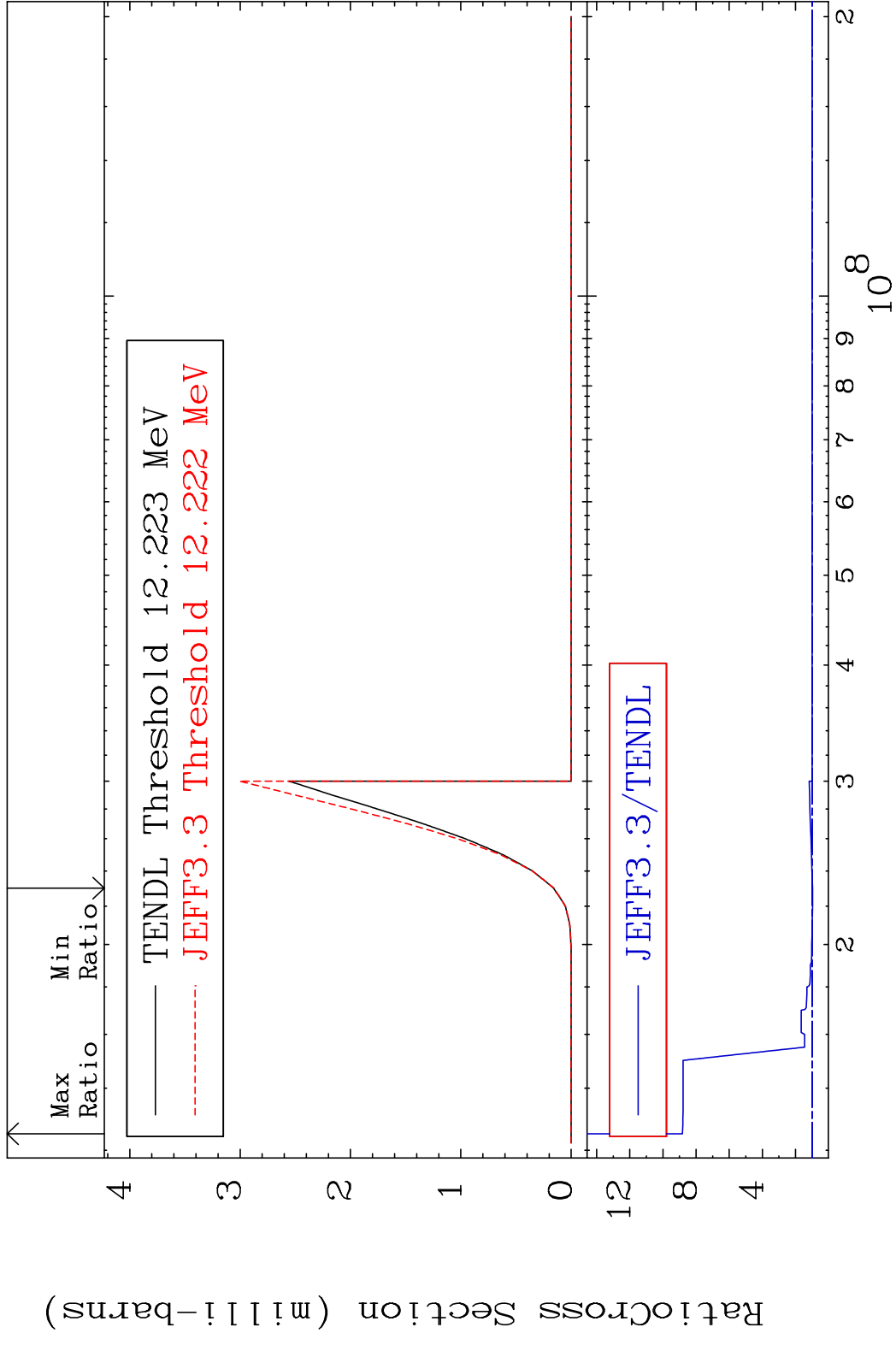
MAT 7640 (n, n') p:75-Re-188g 76-0s-189
 Radionuclide Production Cross Section 308.5 %

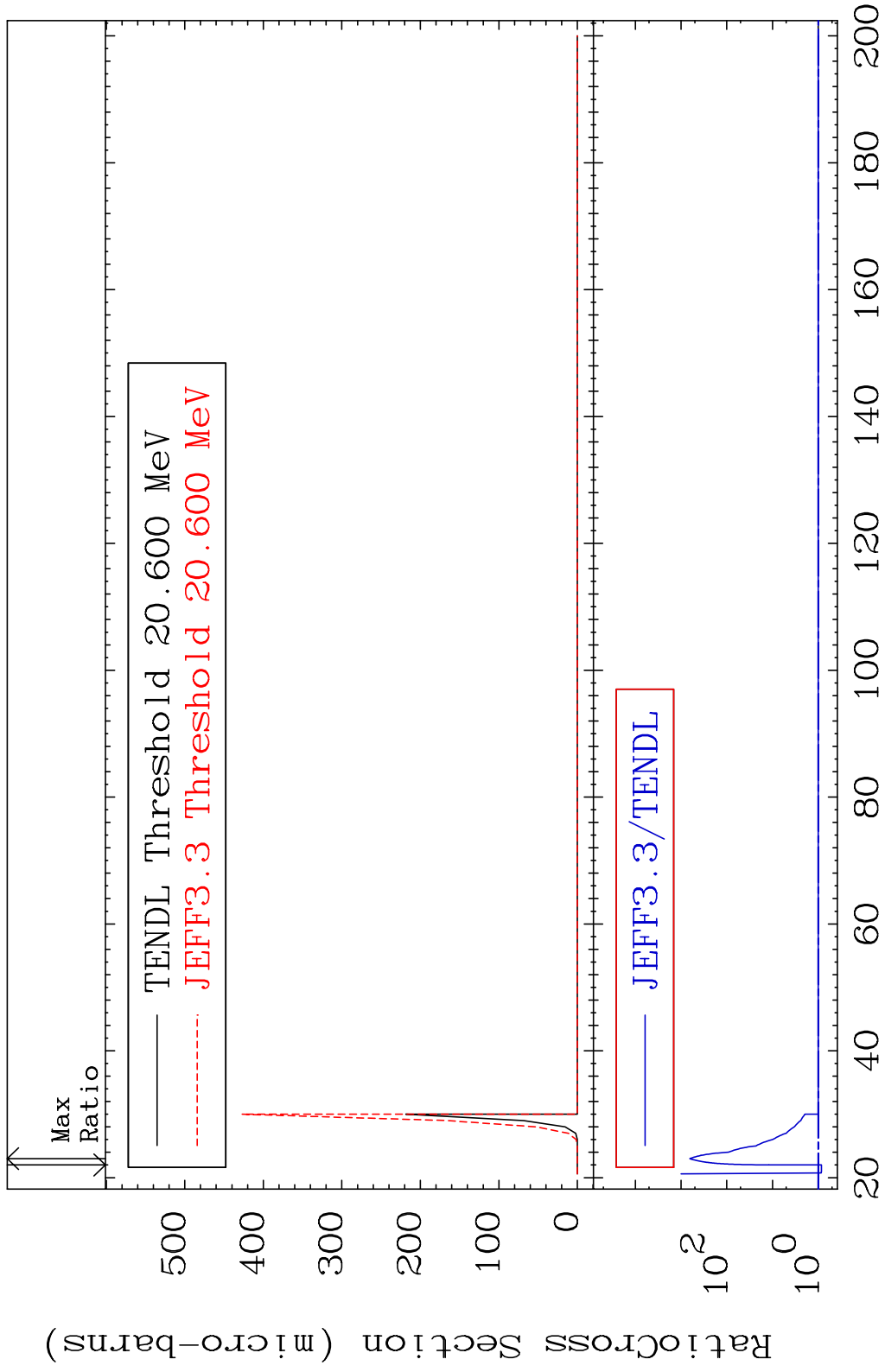


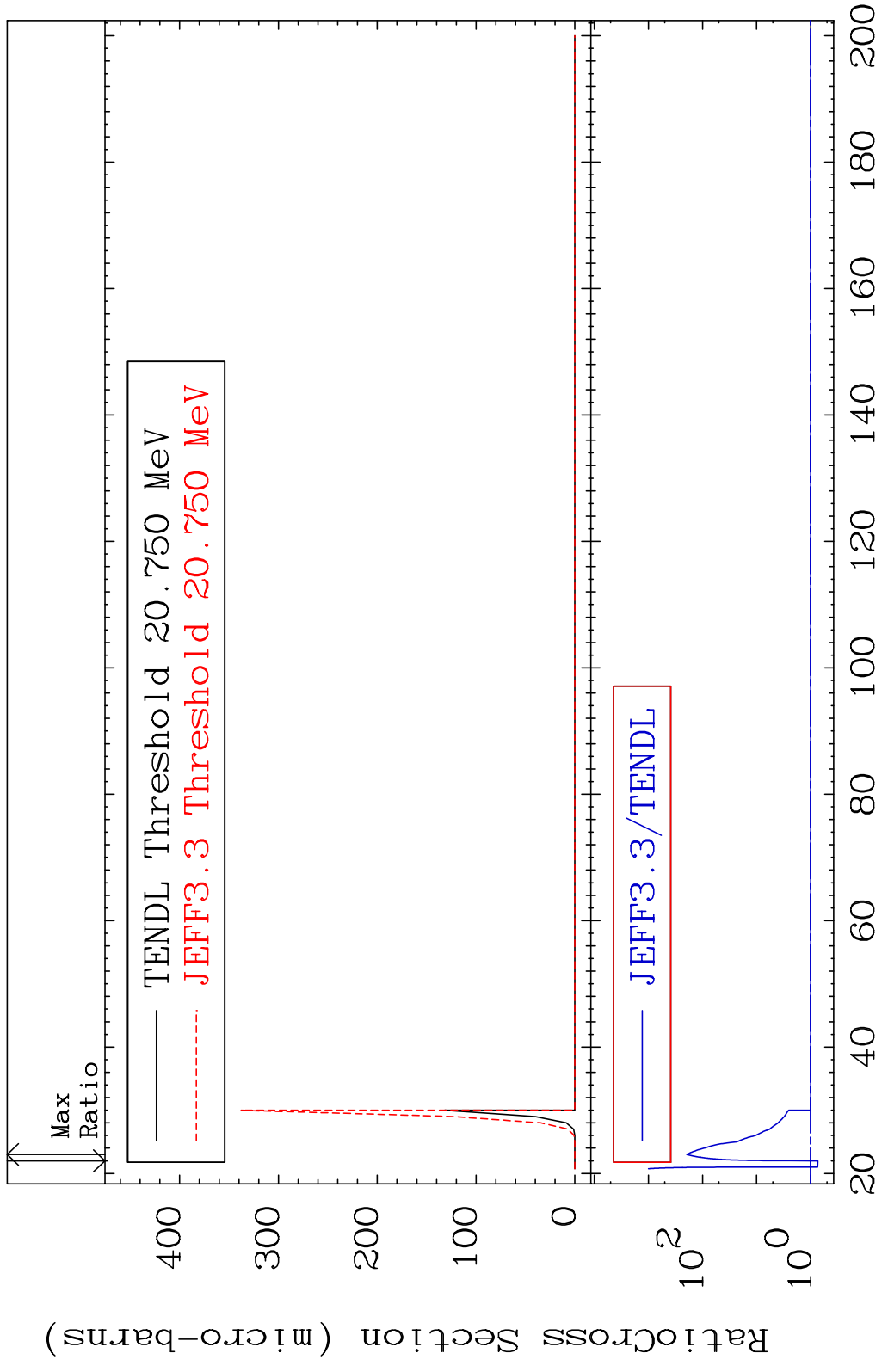
80 76-0s-189

MAT 7640 (n, n') t:75-Re-186g 76-0s-189
 Radionuclide Production Cross Section 15e30 d10 288.0 %









MAT 7640 (n,d):75-Re-188g 76-0s-189
 Radionuclide Production Cross Section 188Re 15.44 %

