

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

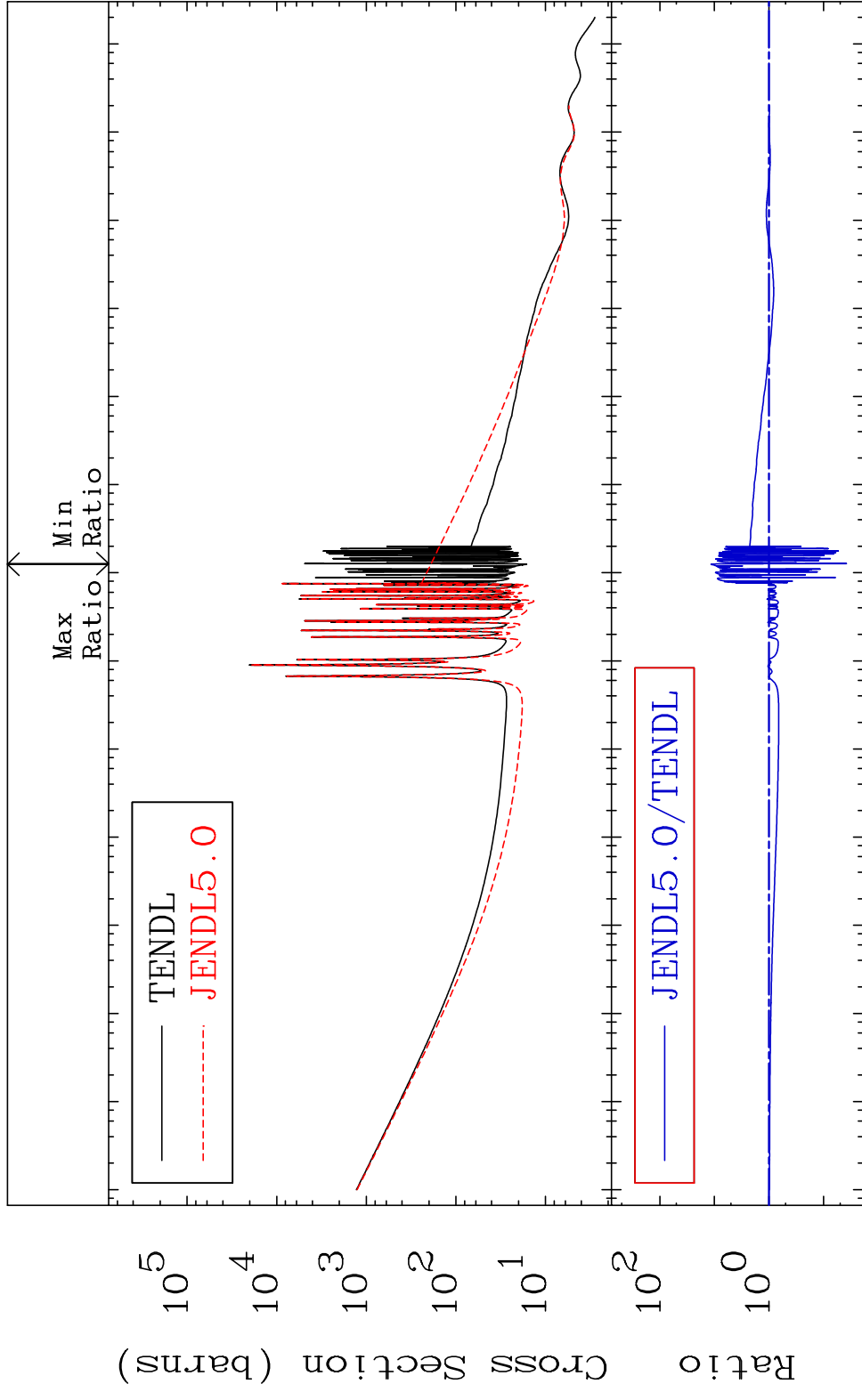
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7640

Total Cross Section -96.15 To 1069. %
76-0s-189



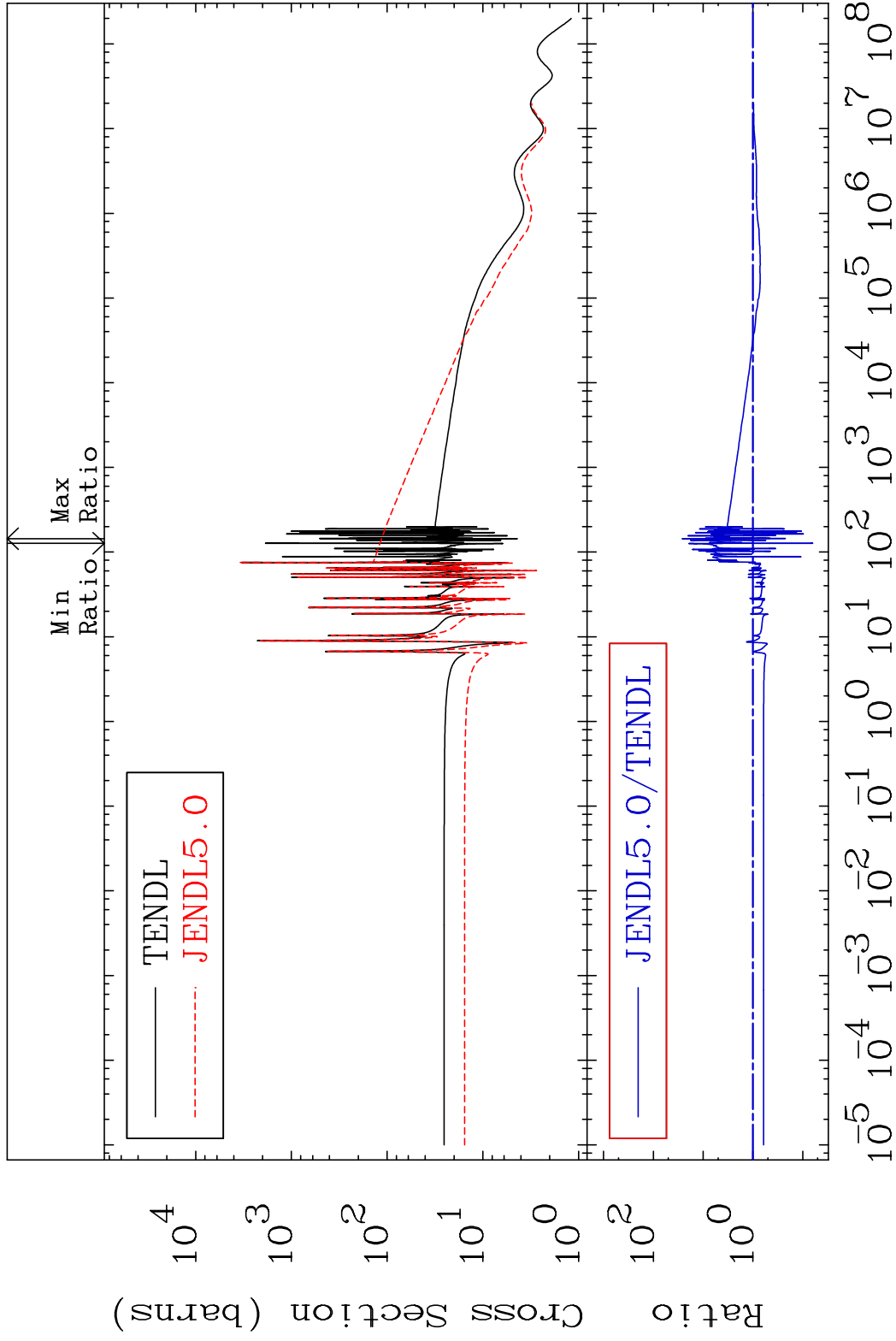
1 Incident Energy (eV) 76-0s-189

MAT 7640

Elastic

76-0s-189

Cross Section -93.66 To 2514. %

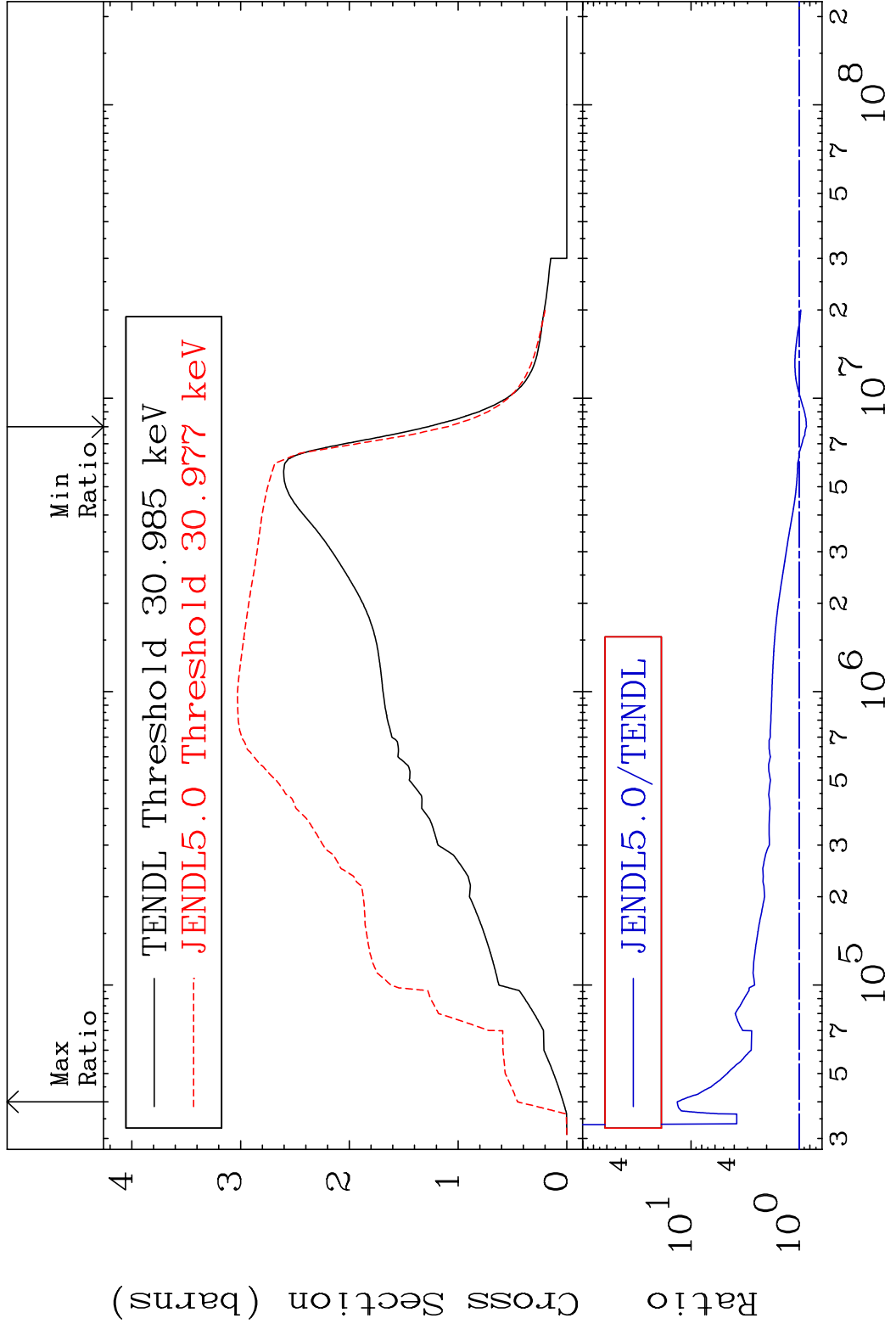


2

Incident Energy (eV)

76-0s-189

MAT 7640 Inelastic 76-Os-189
 Cross Section -14.09 To 1245. %



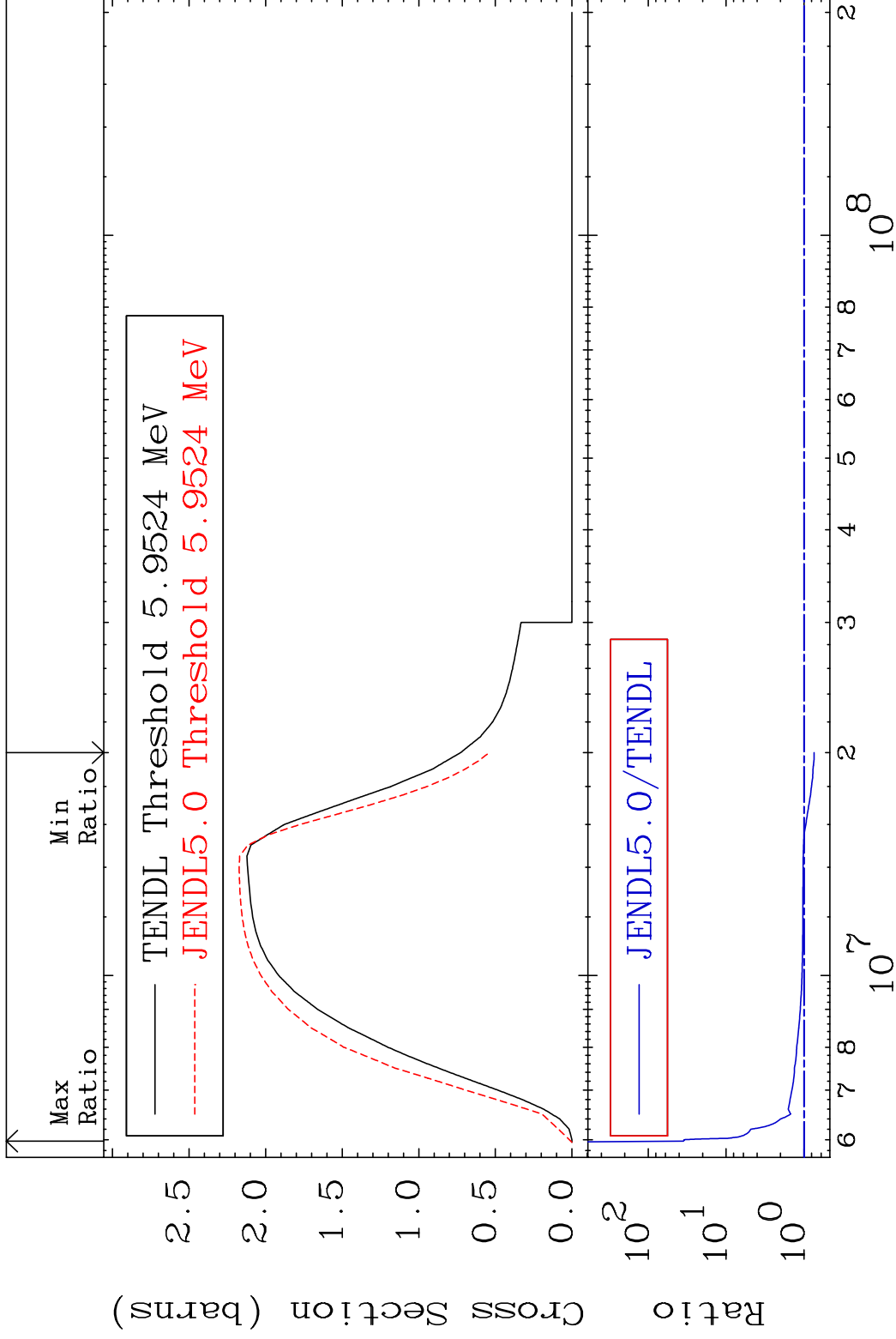
3 3 Incident Energy (eV) 76-Os-189

MAT 7640

(n,2n)

76-0s-189

Cross Section -25.72 To 3430. %



4

Incident Energy (eV)

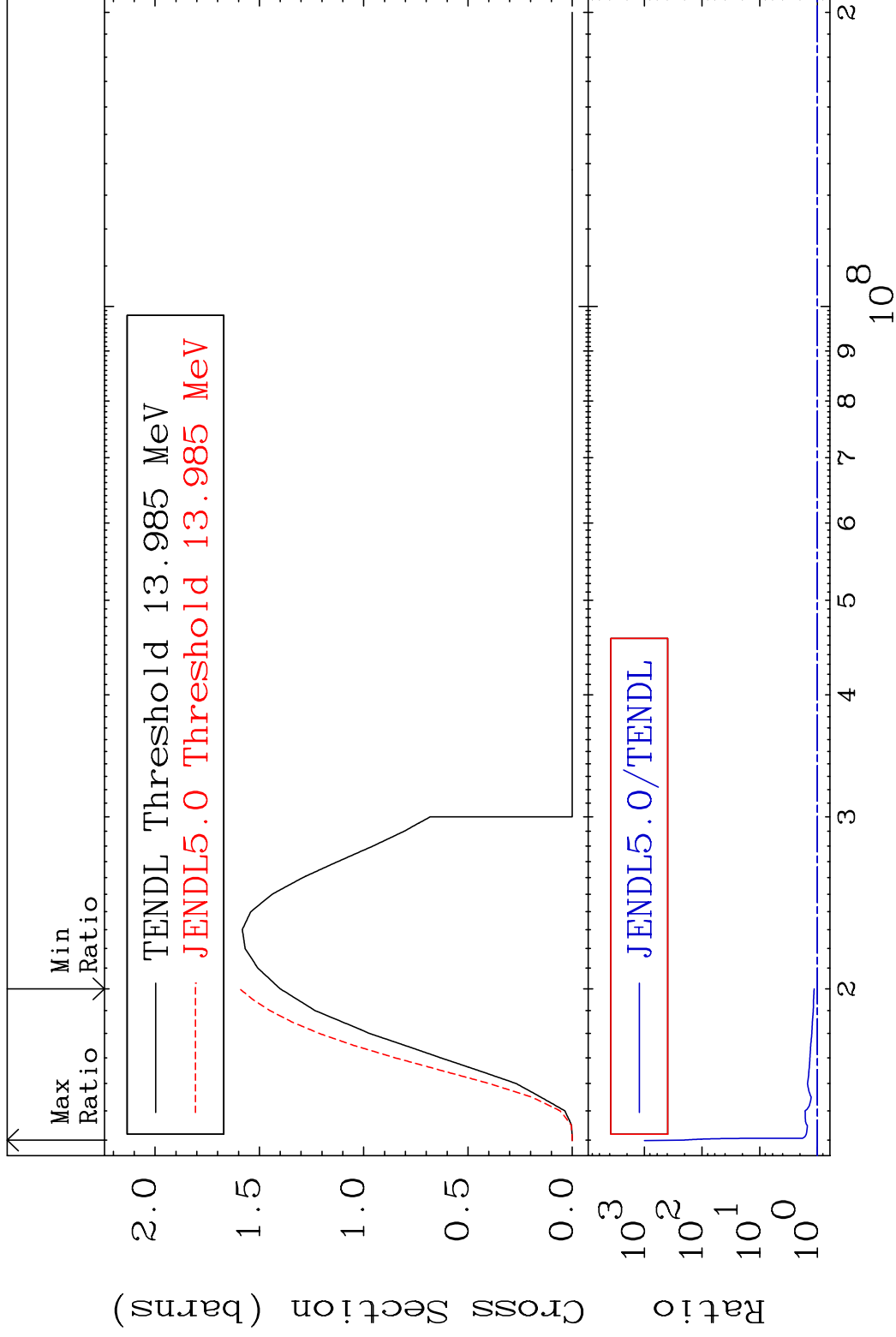
76-0s-189

MAT 7640

(n,3n)

76-0s-189

Cross Section 13.85 To 9999. %



5

Incident Energy (eV)

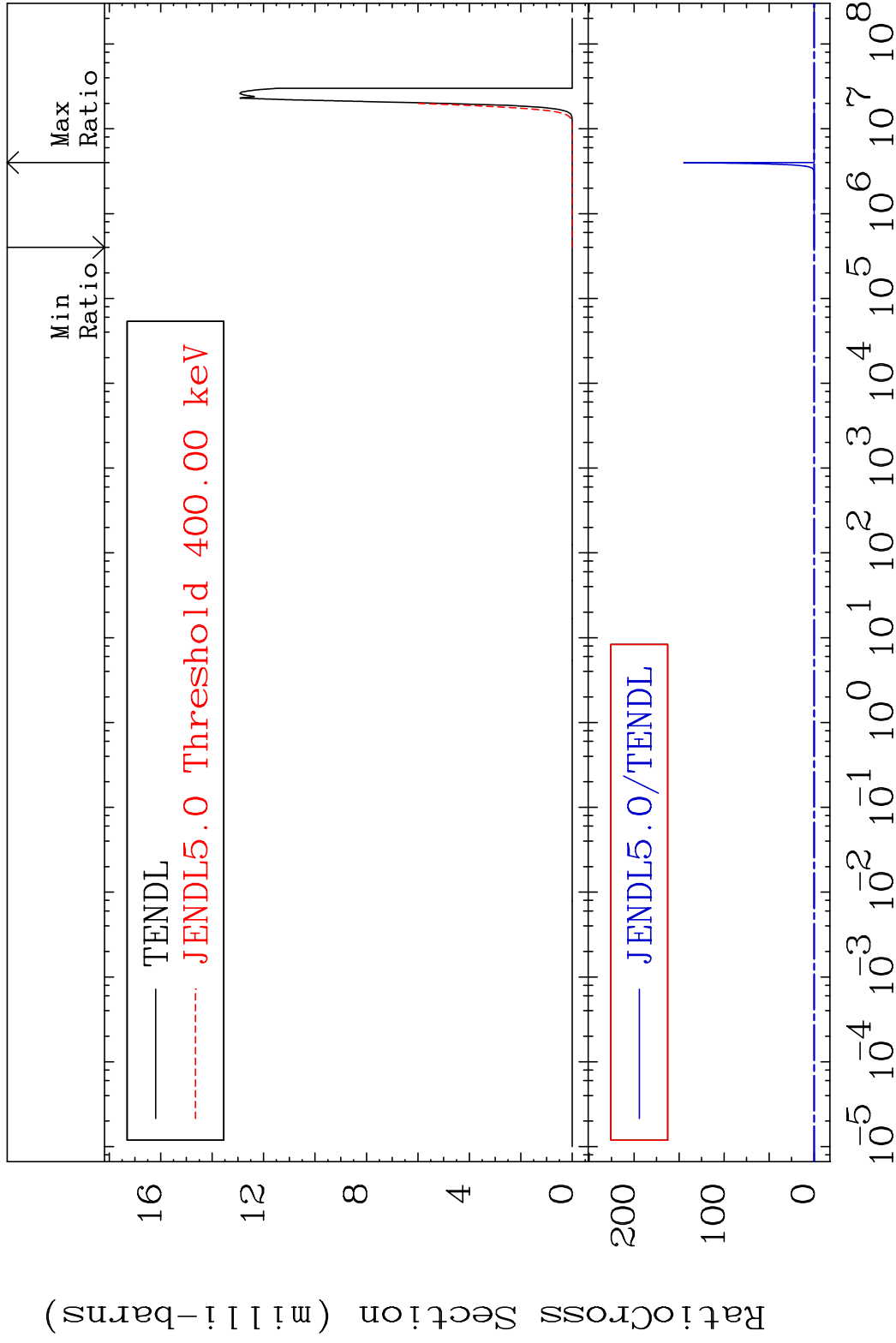
76-0s-189

MAT 7640

(n, n') α

76-Os-189

Cross Section -100.0 To 9999. %

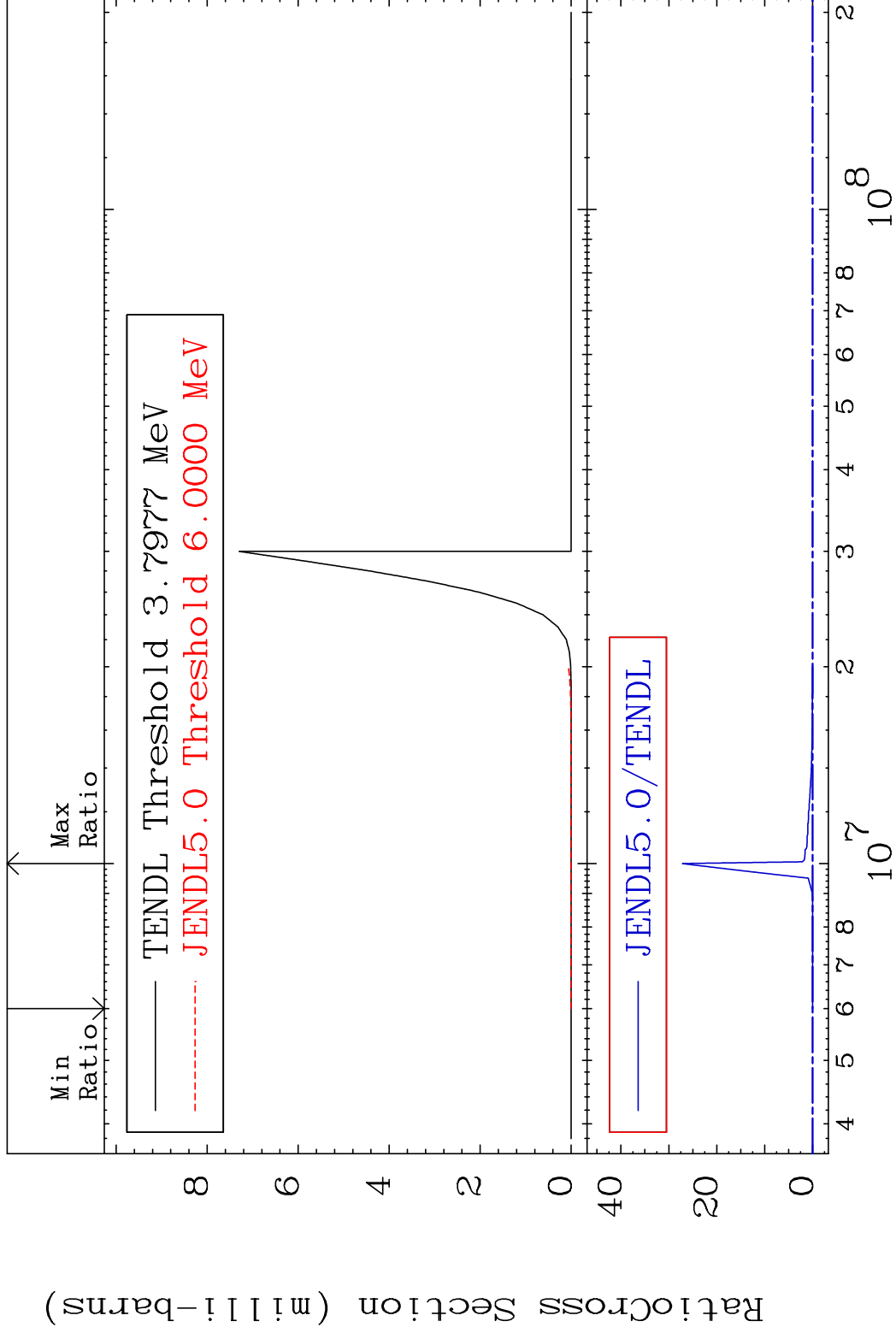


MAT 7640

(n,2n) α

76-0s-189

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

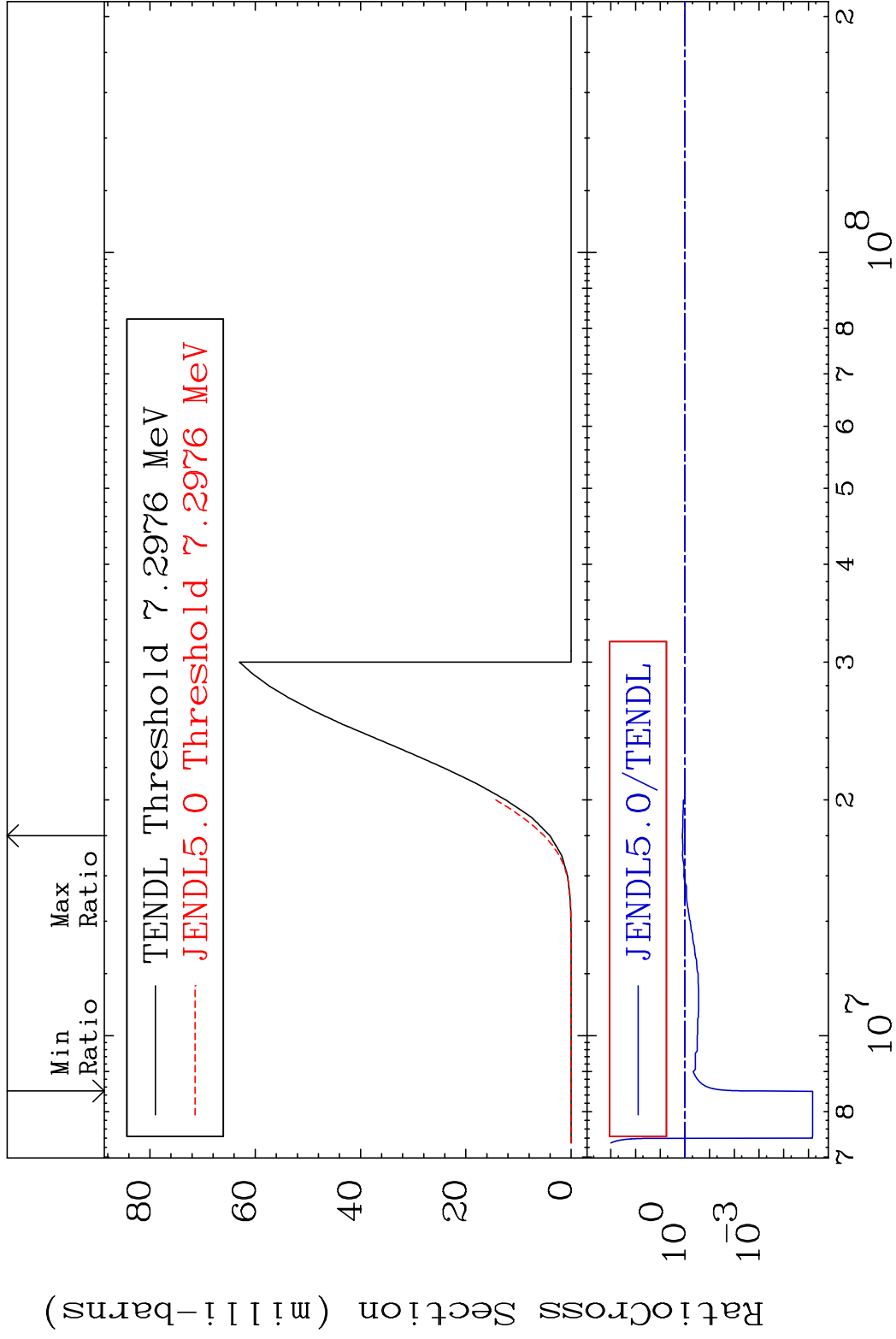
76-0s-189

MAT 7640

(n, n') p

76-0s-189

Cross Section -100.0 To 27.23 %



8

Incident Energy (eV)

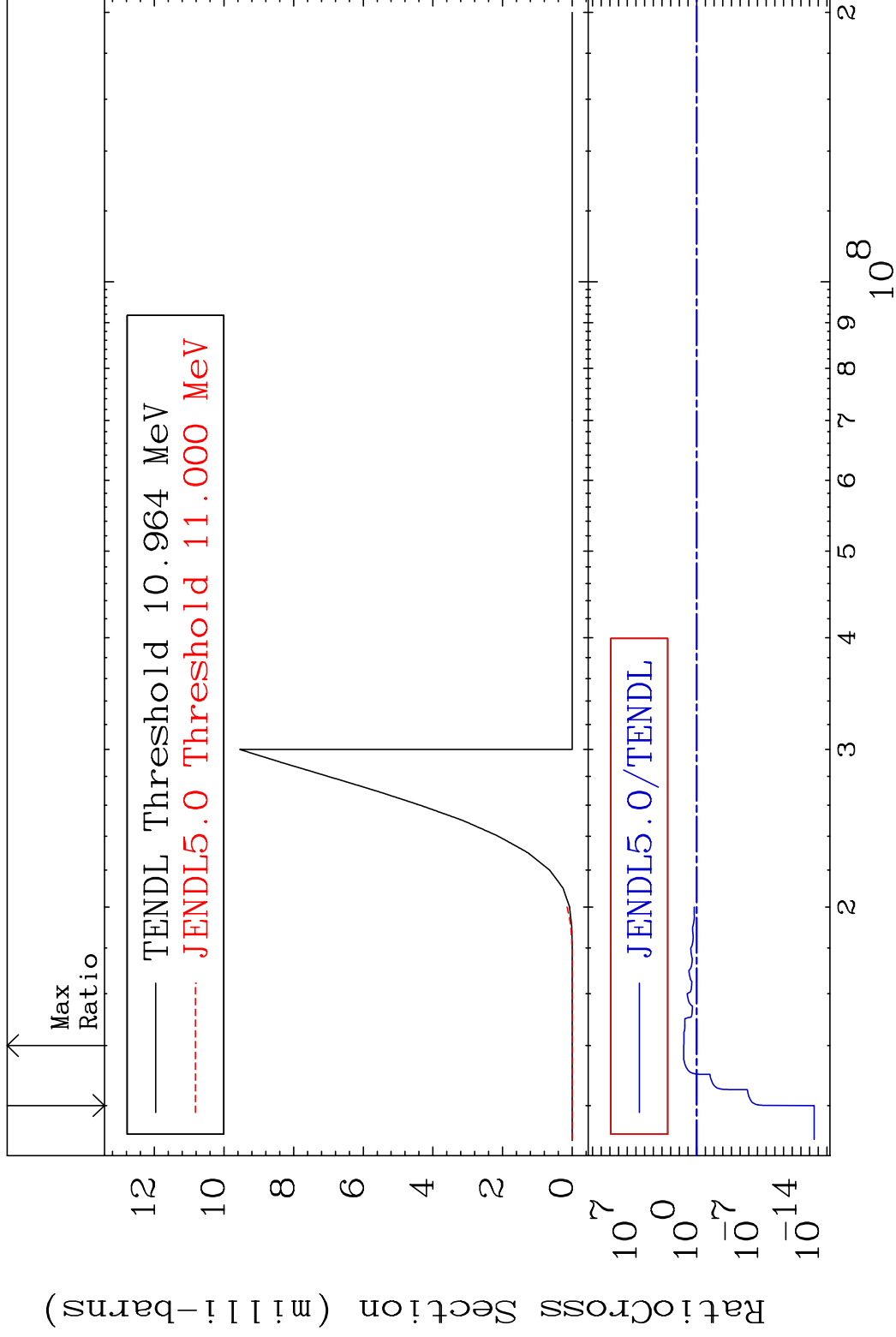
76-0s-189

MAT 7640

(n, n') d

76-0s-189

Cross Section -100.0 To 3064. %

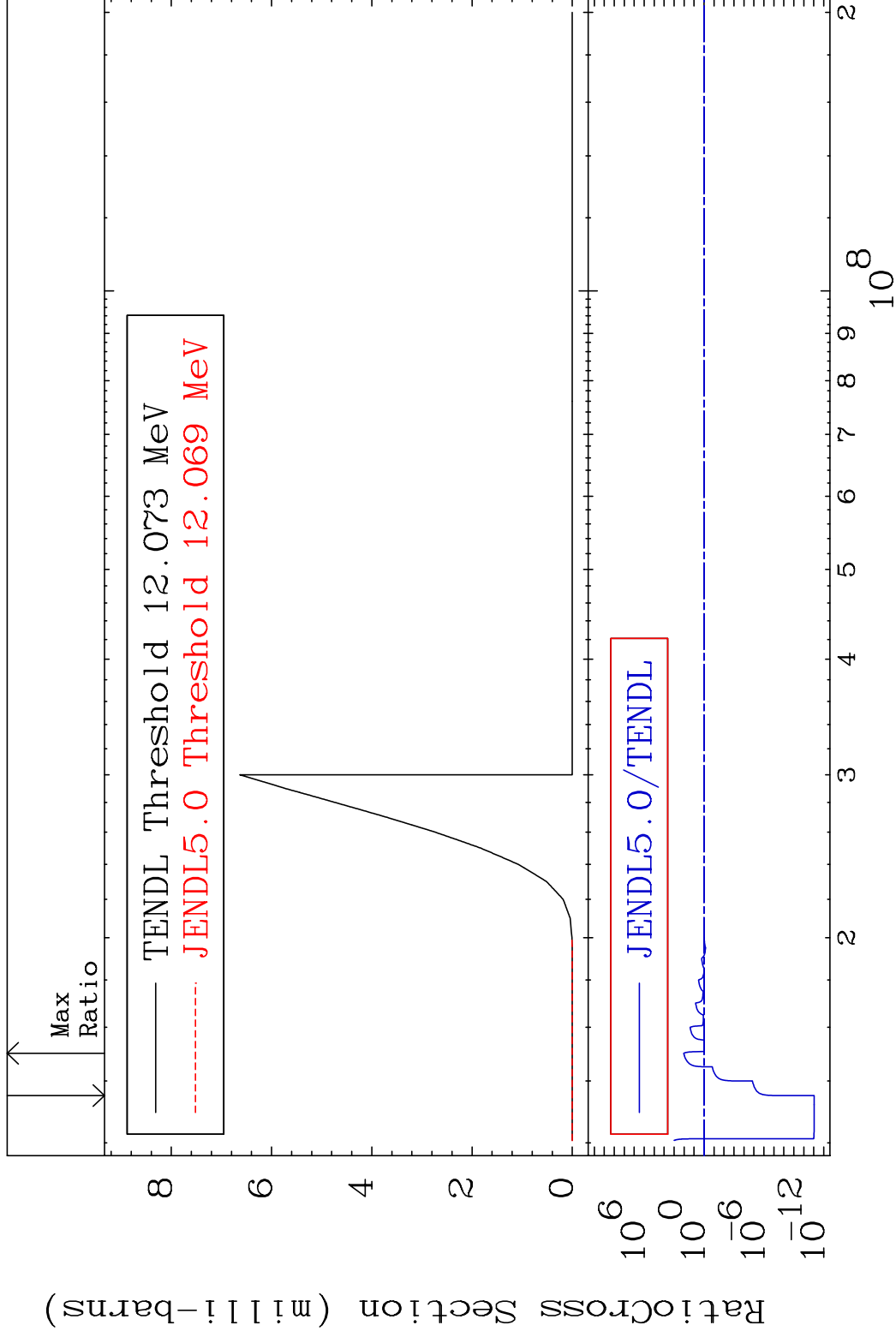


MAT 7640

(n, n') t

76-0s-189

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

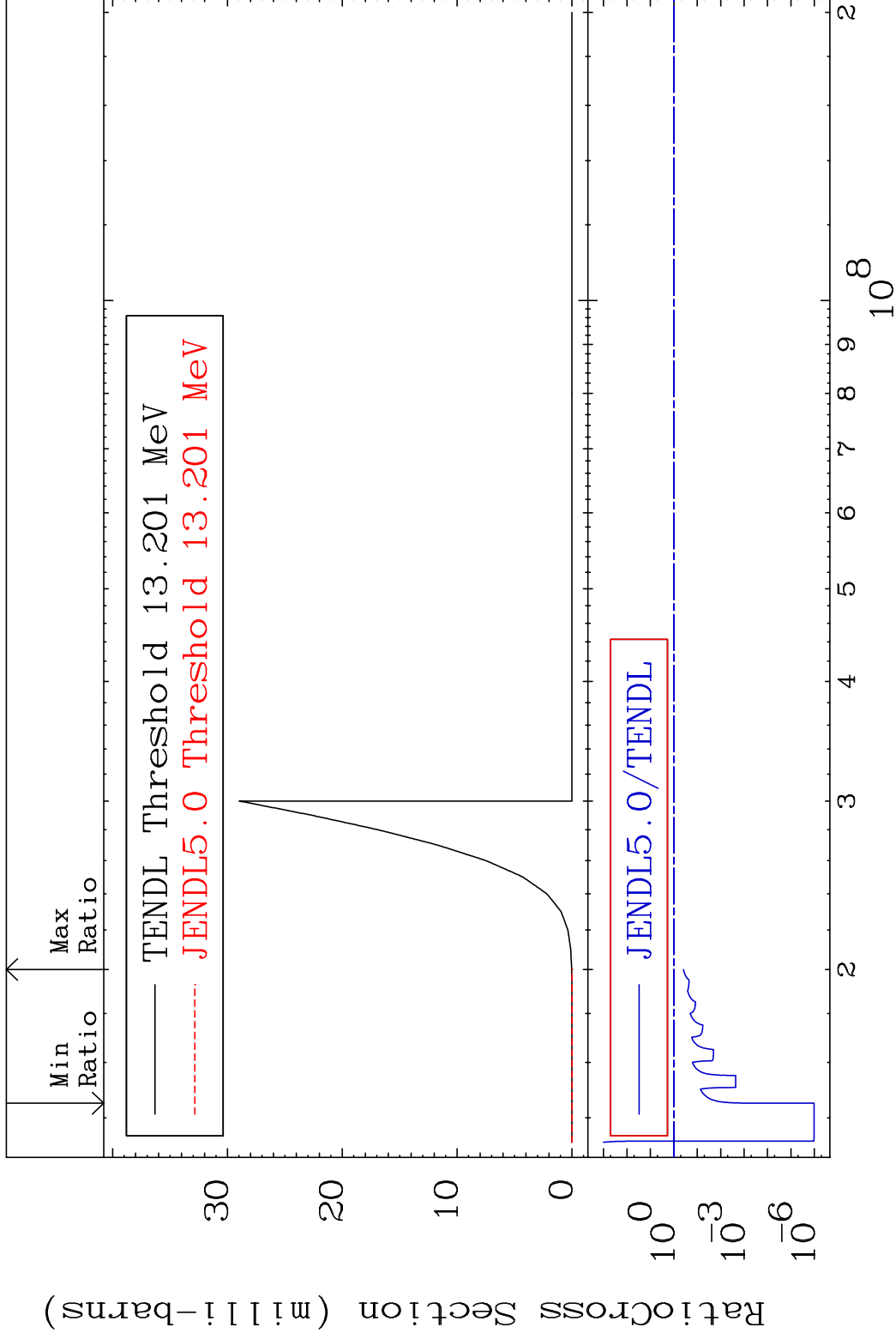
76-0s-189

MAT 7640

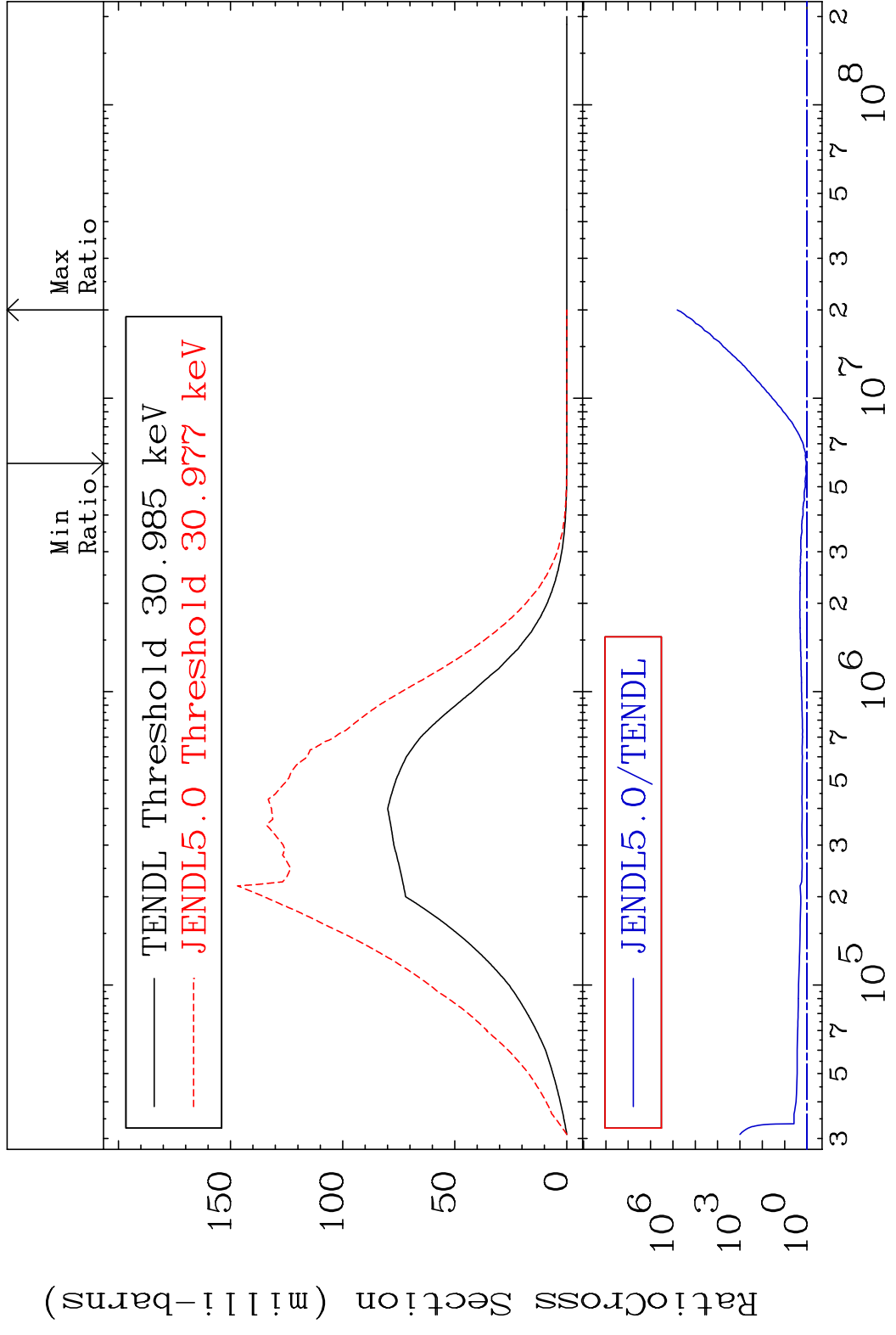
(n,2n) p

76-0s-189

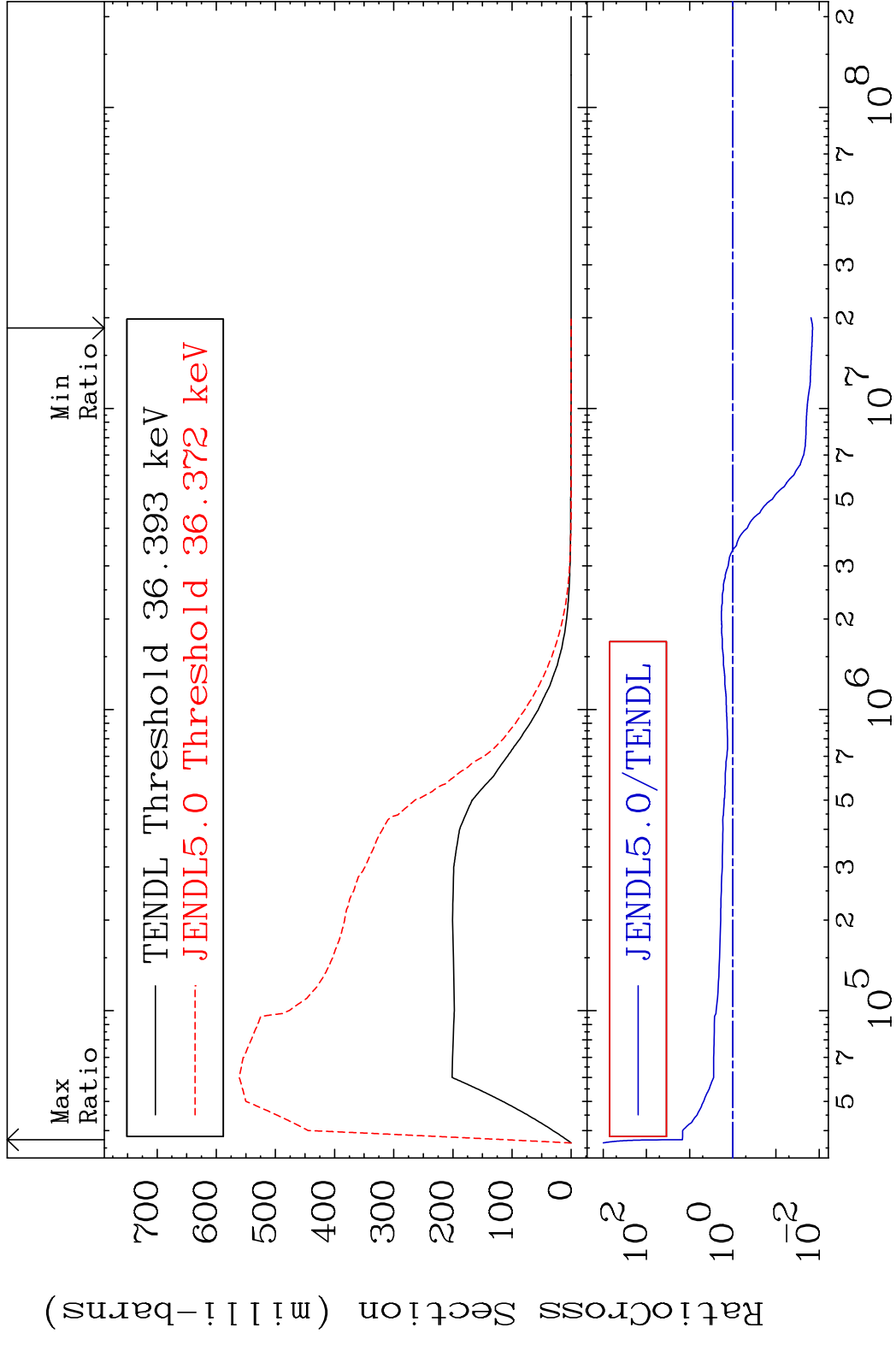
Cross Section -100.0 To -61.28%



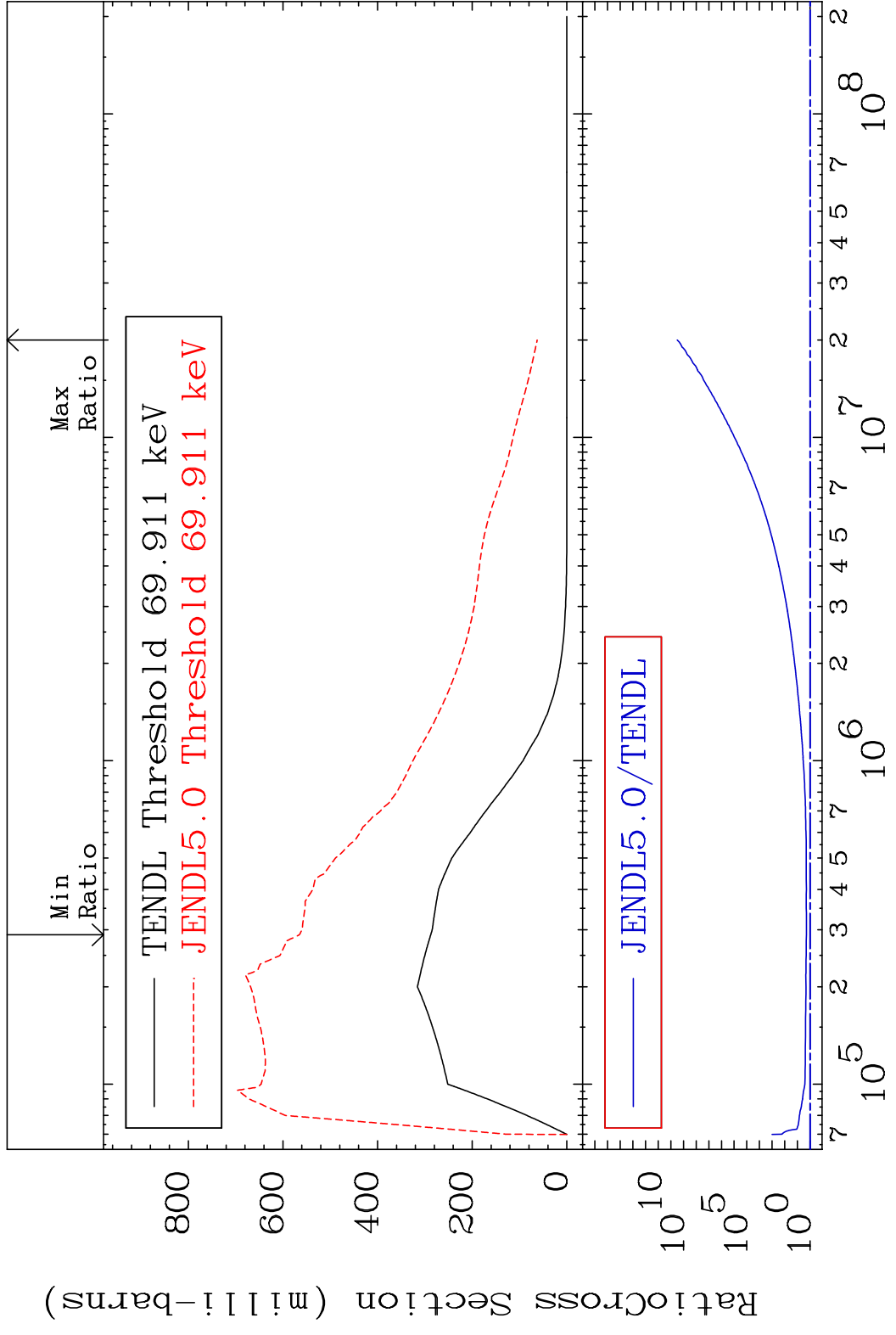
MAT 7640 MT= 51 (n,n') Level 76-0s-189
 Cross Section 6.265 To 9999. %



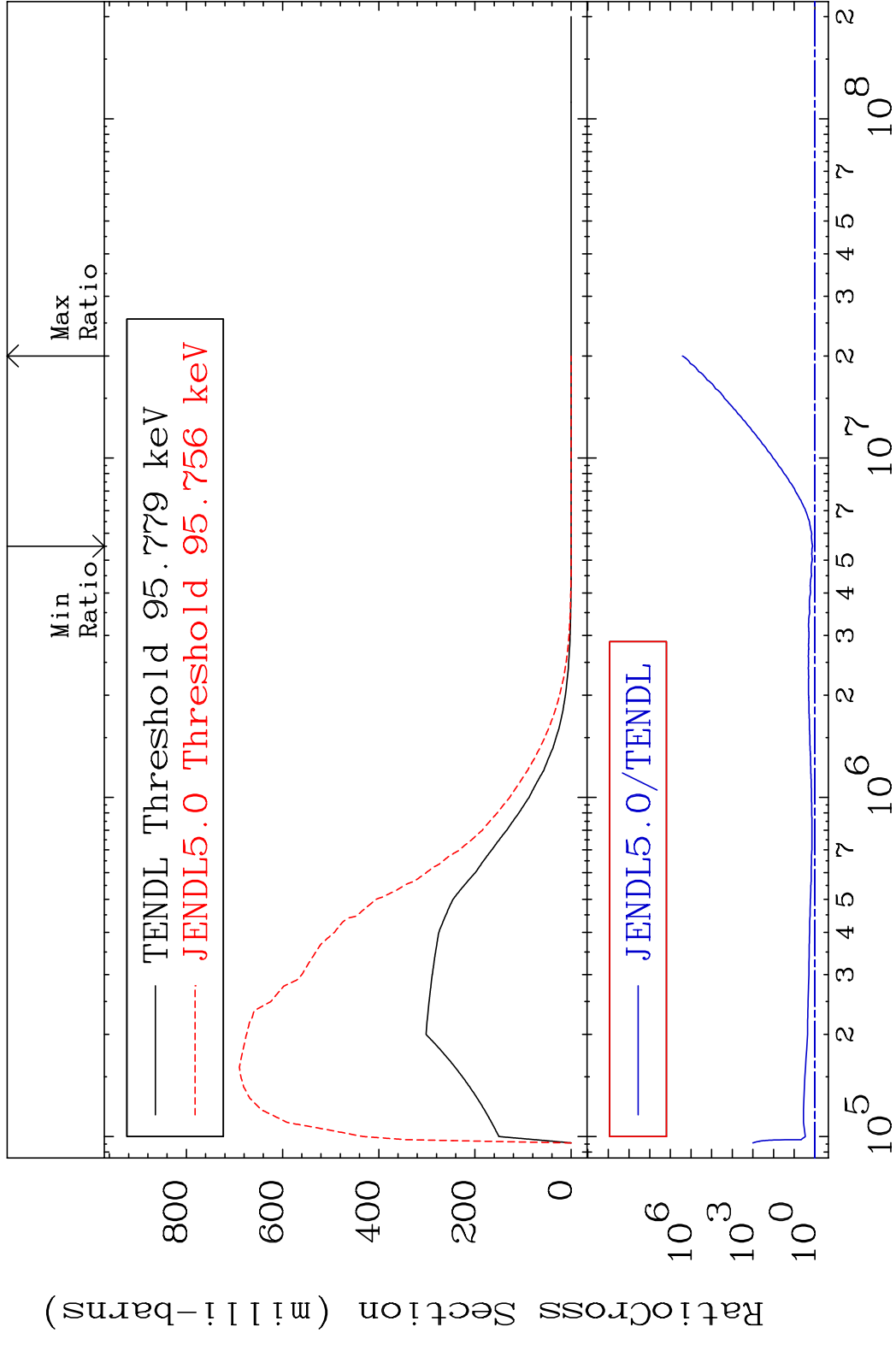
MAT 7640 MT= 52 (n,n') Level 76-0s-189
 Cross Section -98.58 To 1370. %



MAT 7640 MT= 53 (n, n') Level 76-0s-189
 Cross Section 96.45 To 9999. %

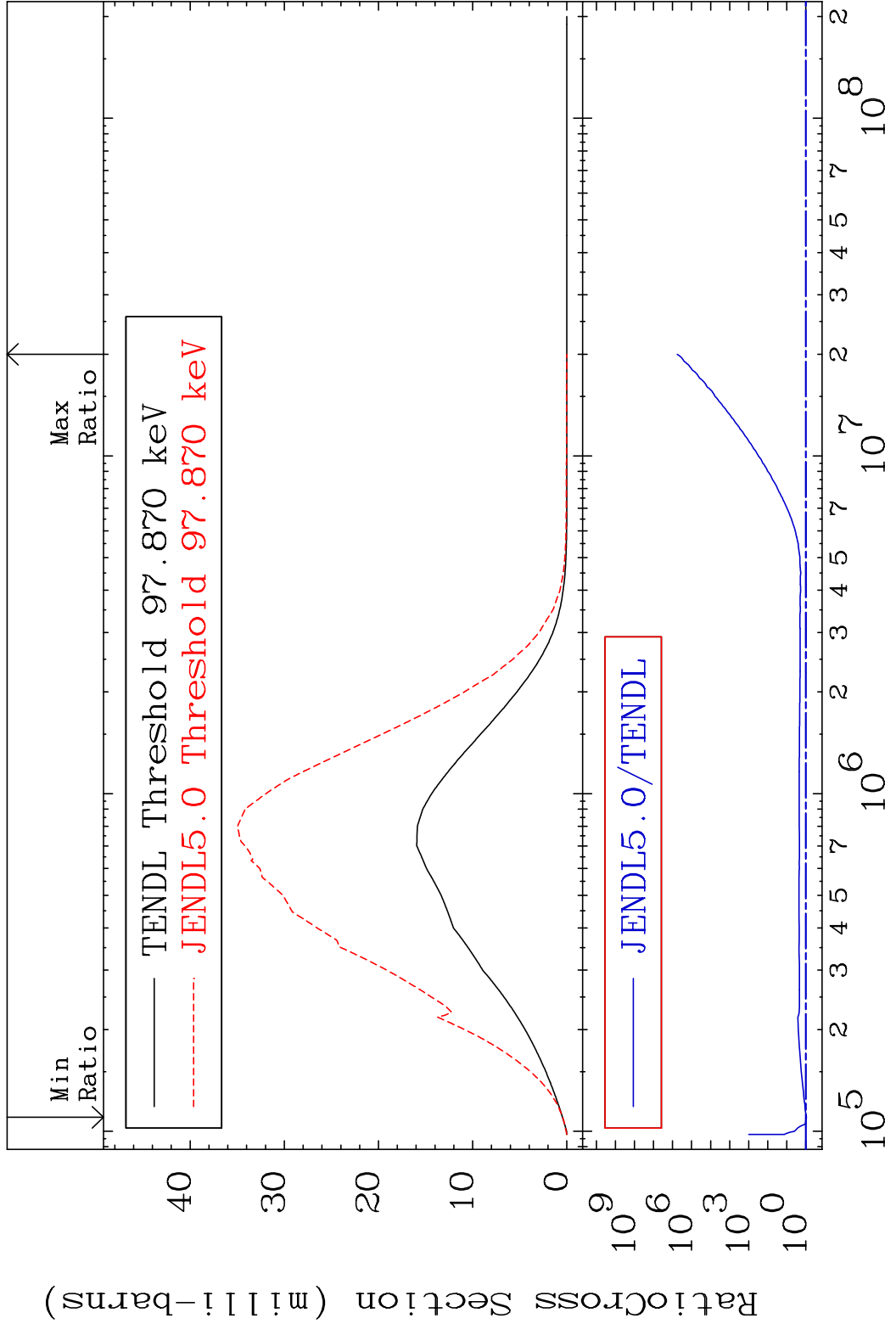


MAT 7640 MT= 54 (n,n') Level 76-0s-189
 Cross Section 29.50 To 9999. %



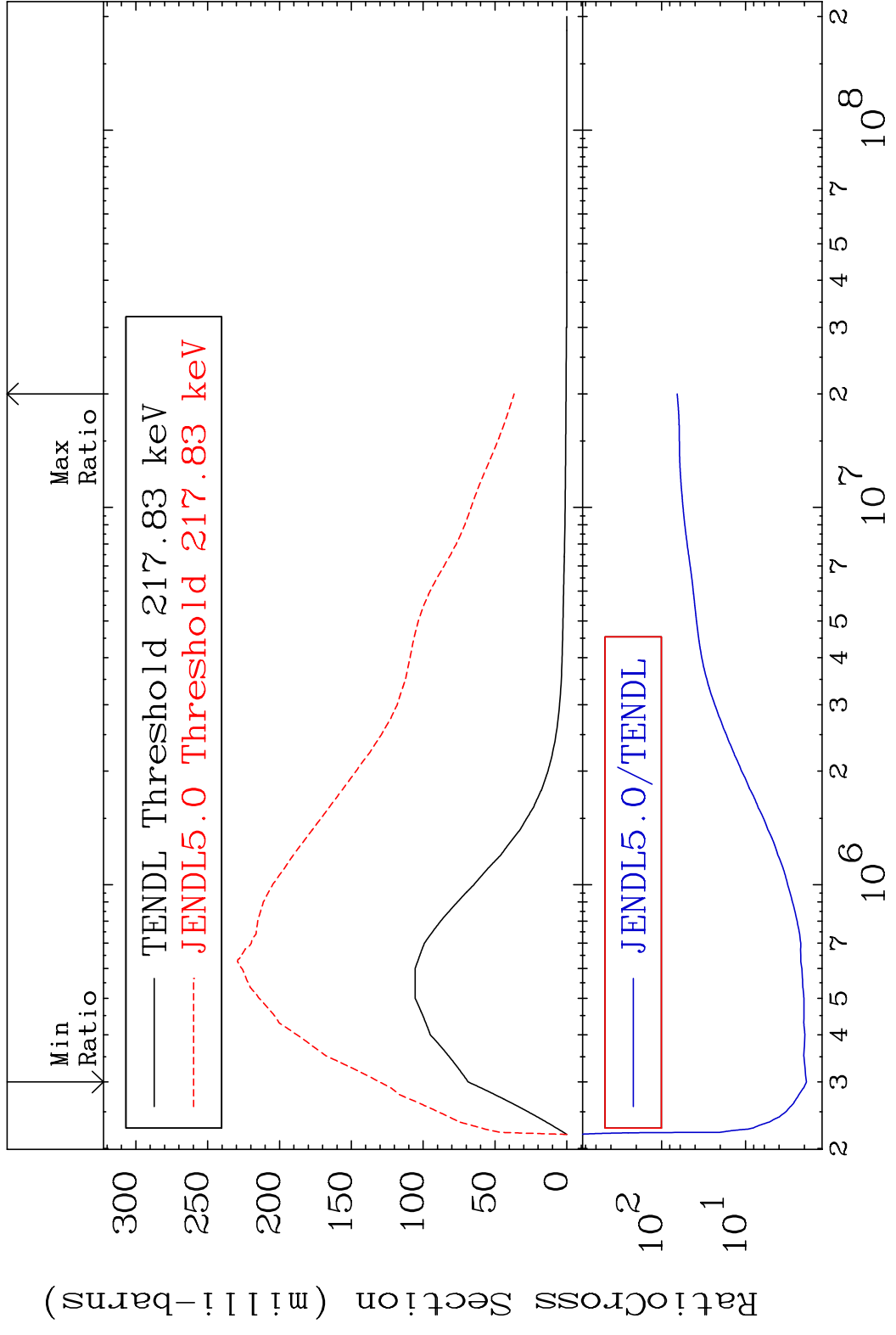
15 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 55 (n,n') Level 76-0s-189
 Cross Section -7.002 To 9999. %

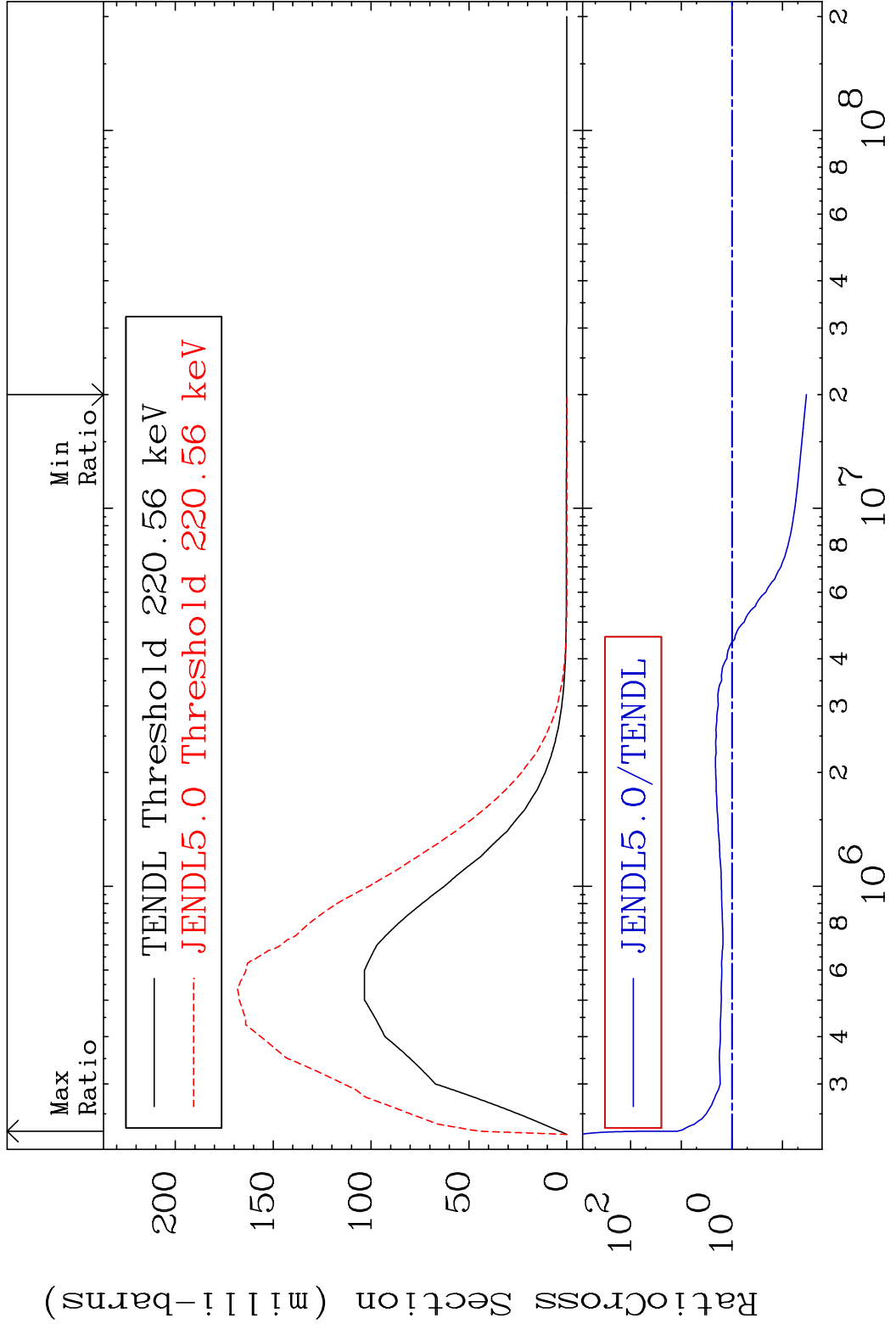


16 Incident Energy (eV) 76-0s-189

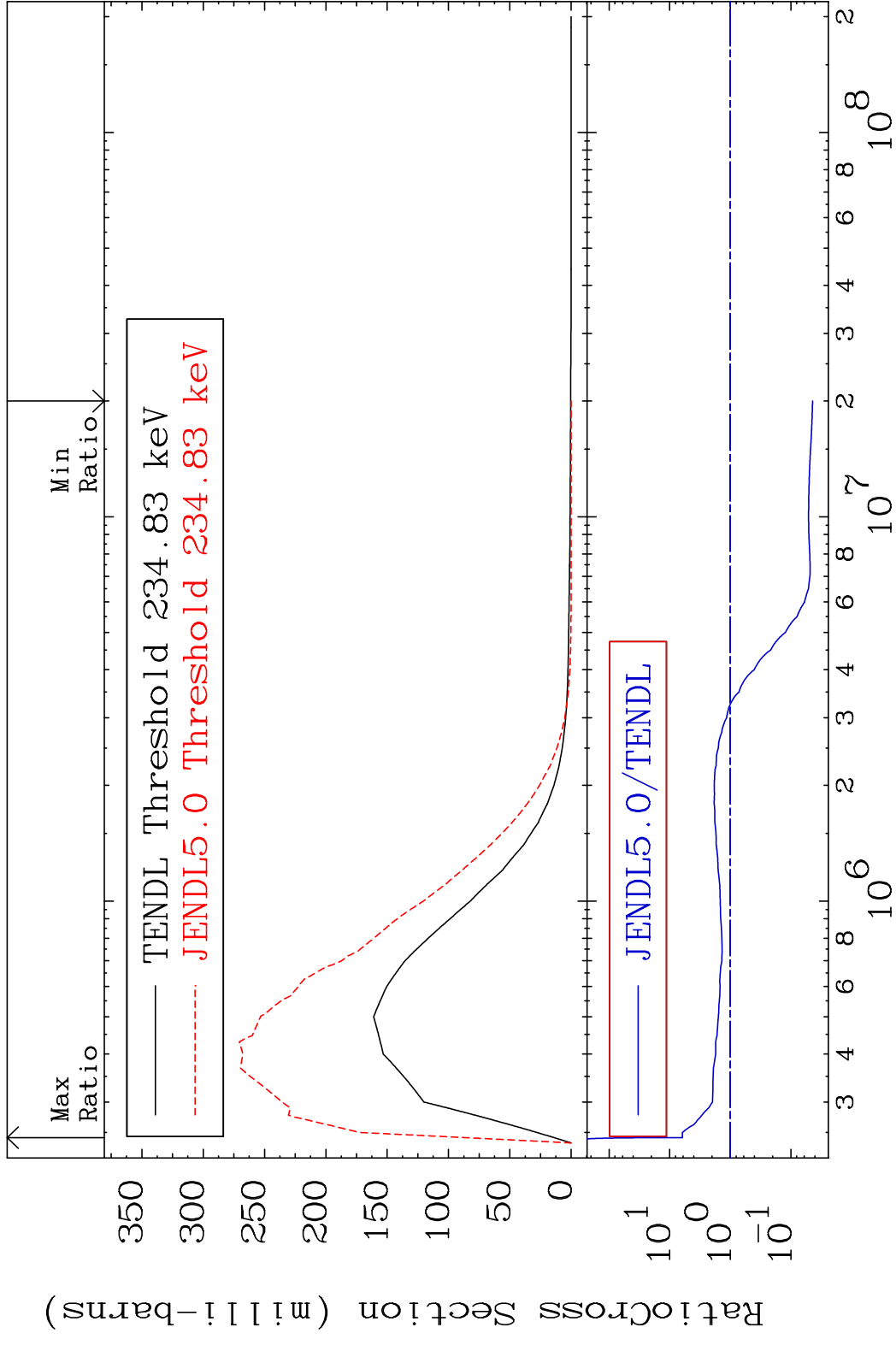
MAT 7640 MT= 56 (n,n') Level 76-0s-189
 Cross Section 89.78 To 6412. %



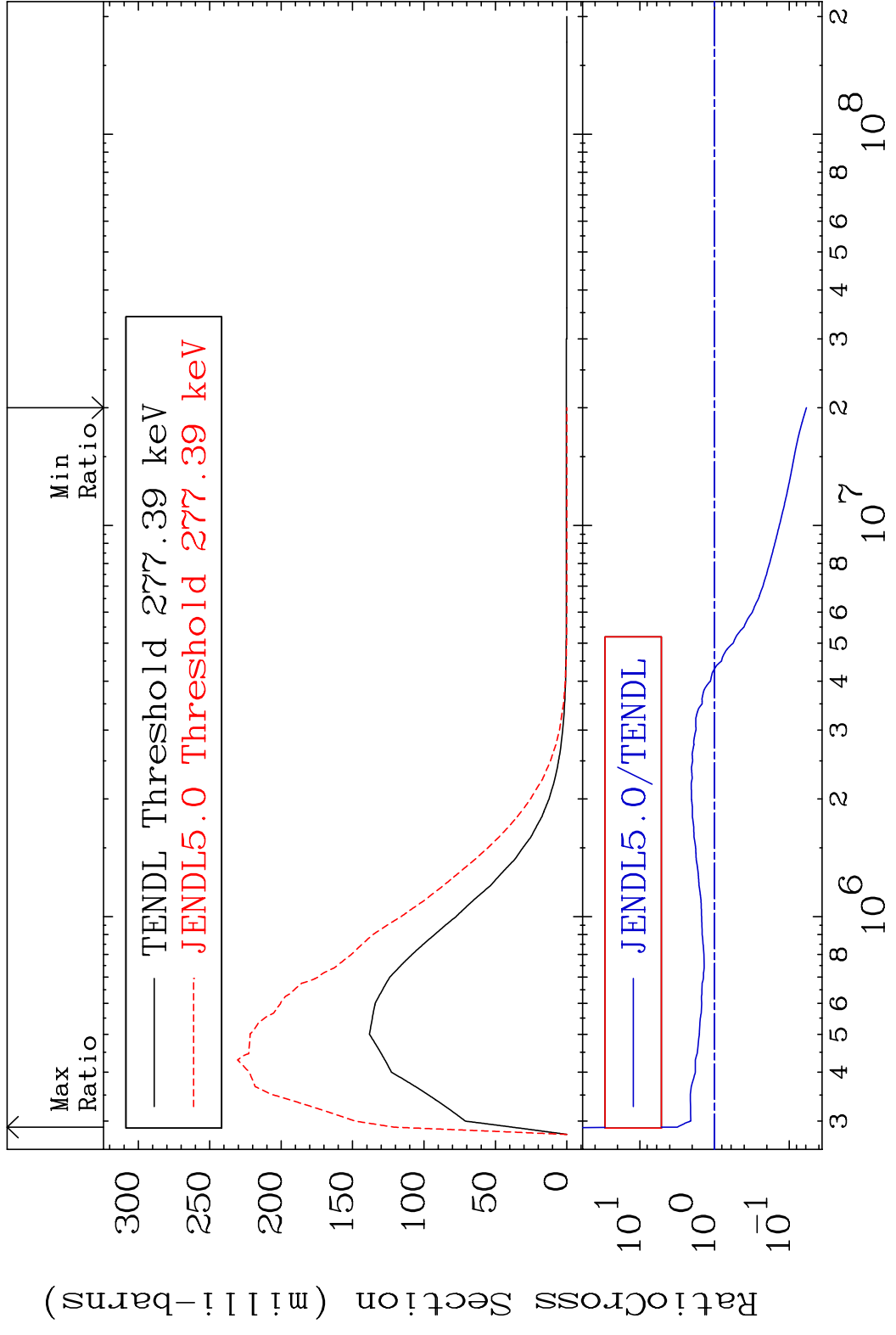
MAT 7640 MT= 57 (n,n') Level 76-0s-189
 Cross Section -96.61 To 1103. %



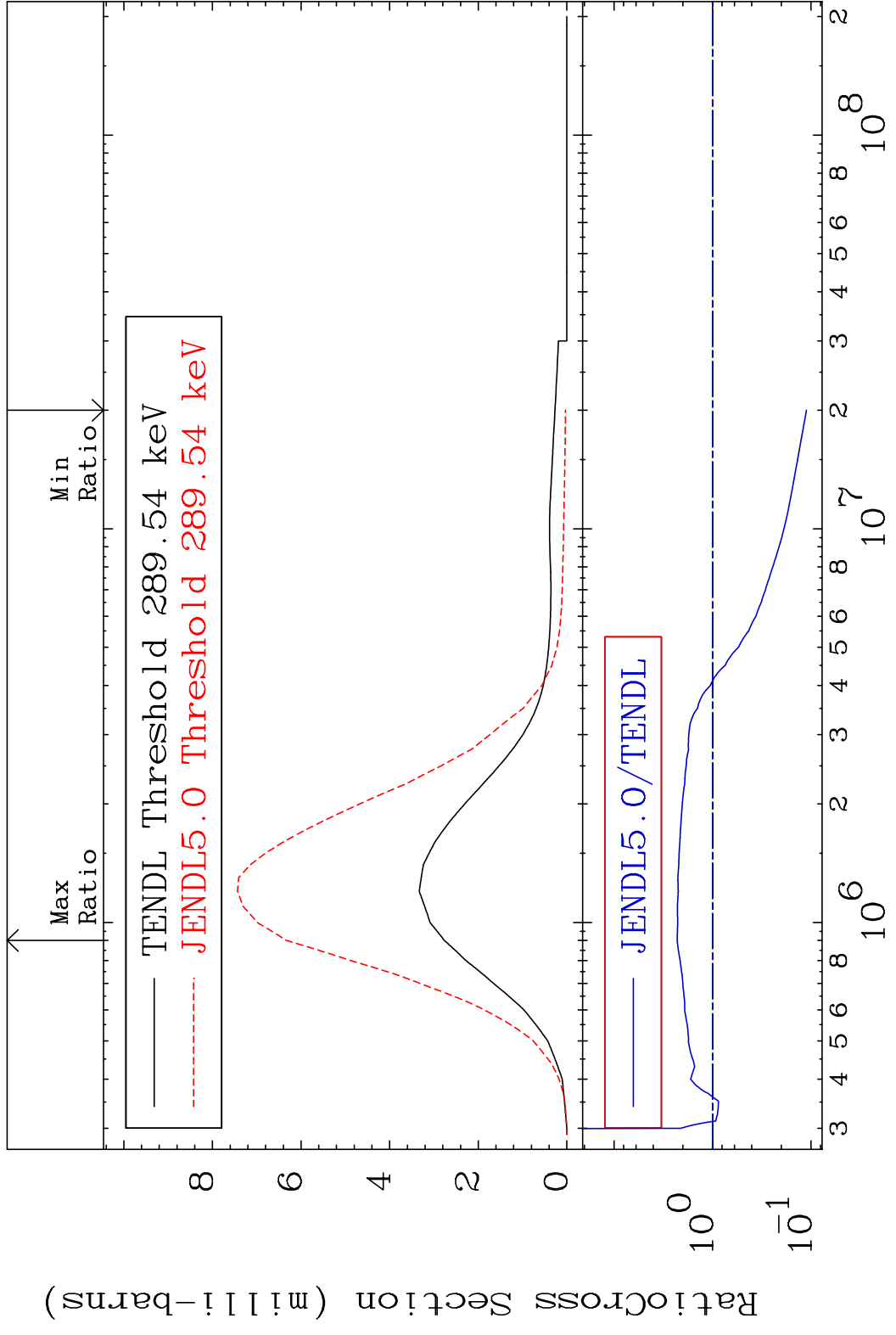
MAT 7640 MT= 58 (n, n') Level 76-0s-189
 Cross Section -95.62 To 517.9 %



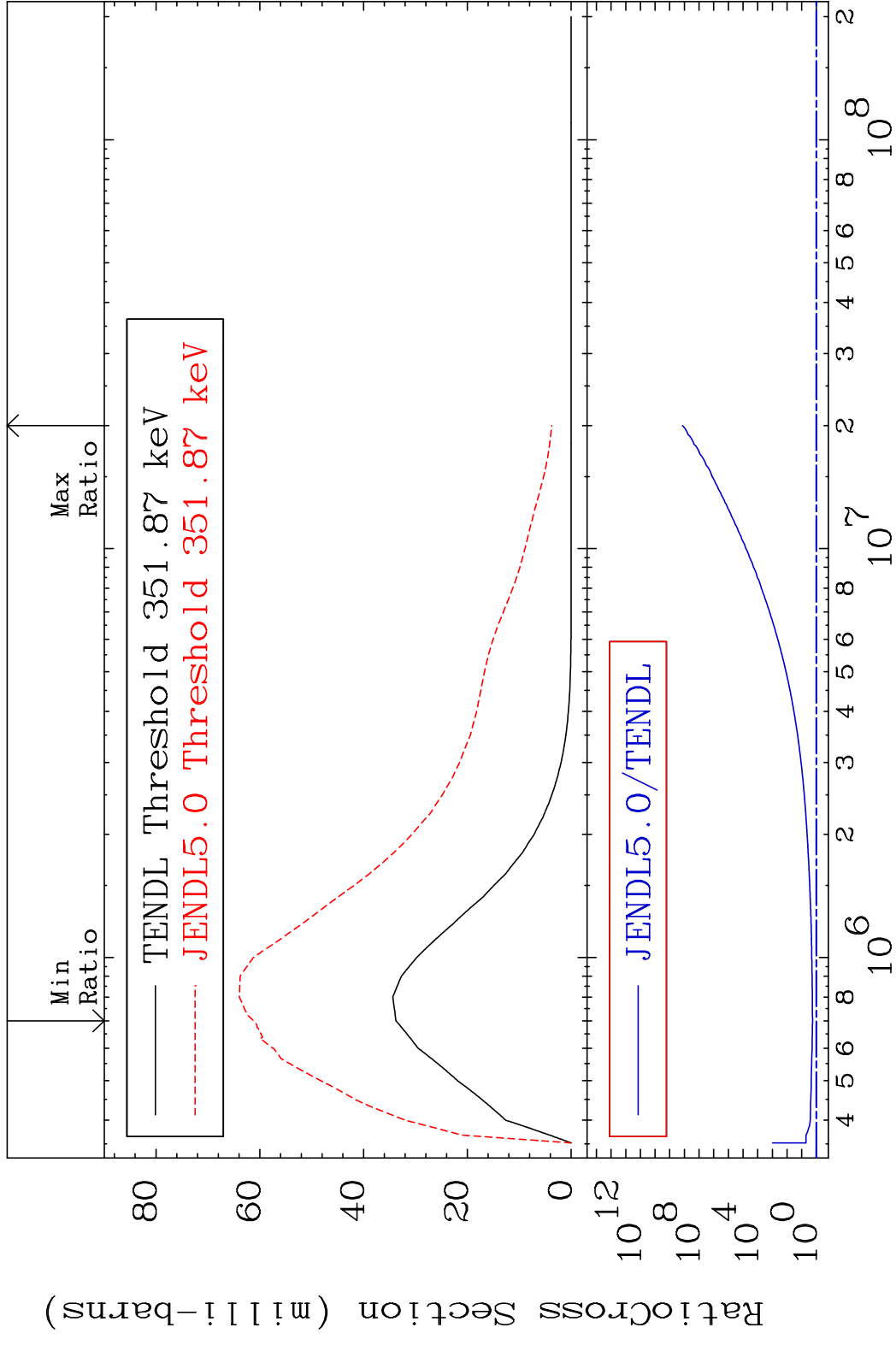
MAT 7640 MT= 59 (n,n') Level 76-0s-189
 Cross Section -94.11 To 217.2 %



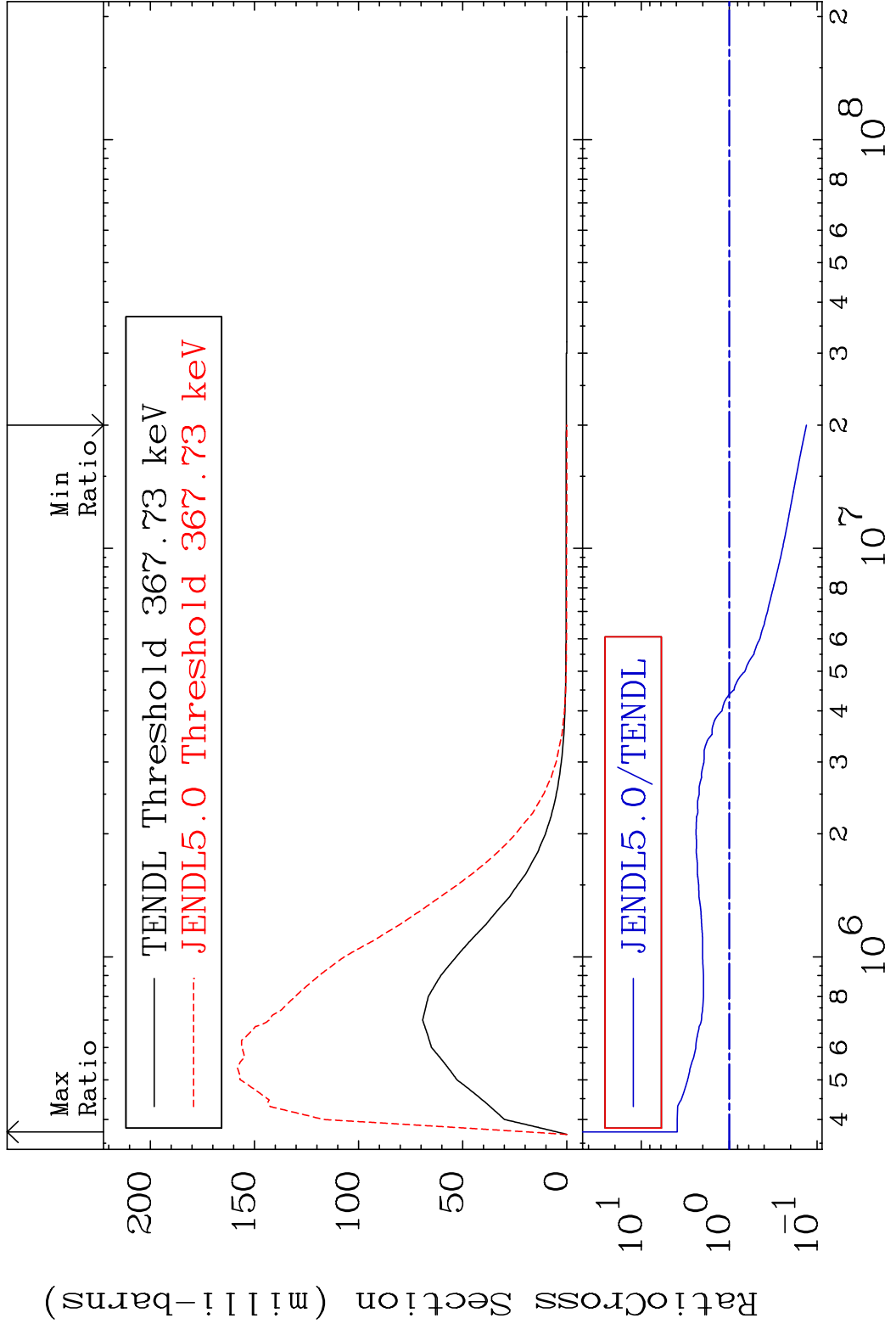
MAT 7640 MT= 60 (n, n') Level 76-0s-189
 Cross Section -88.88 To 128.8 %



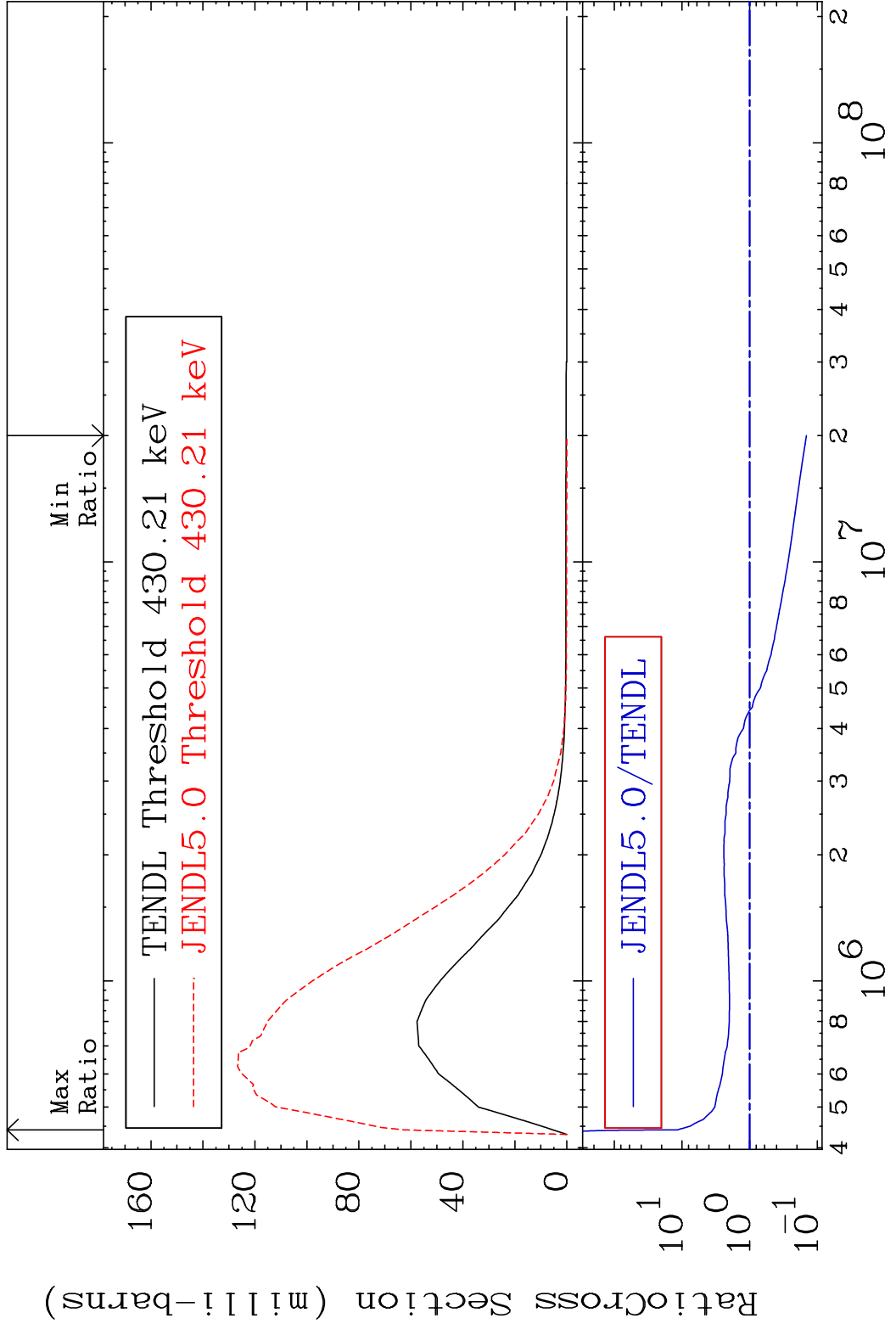
MAT 7640 MT= 61 (n, n') Level 76-0s-189
 Cross Section 81.20 To 9999. %



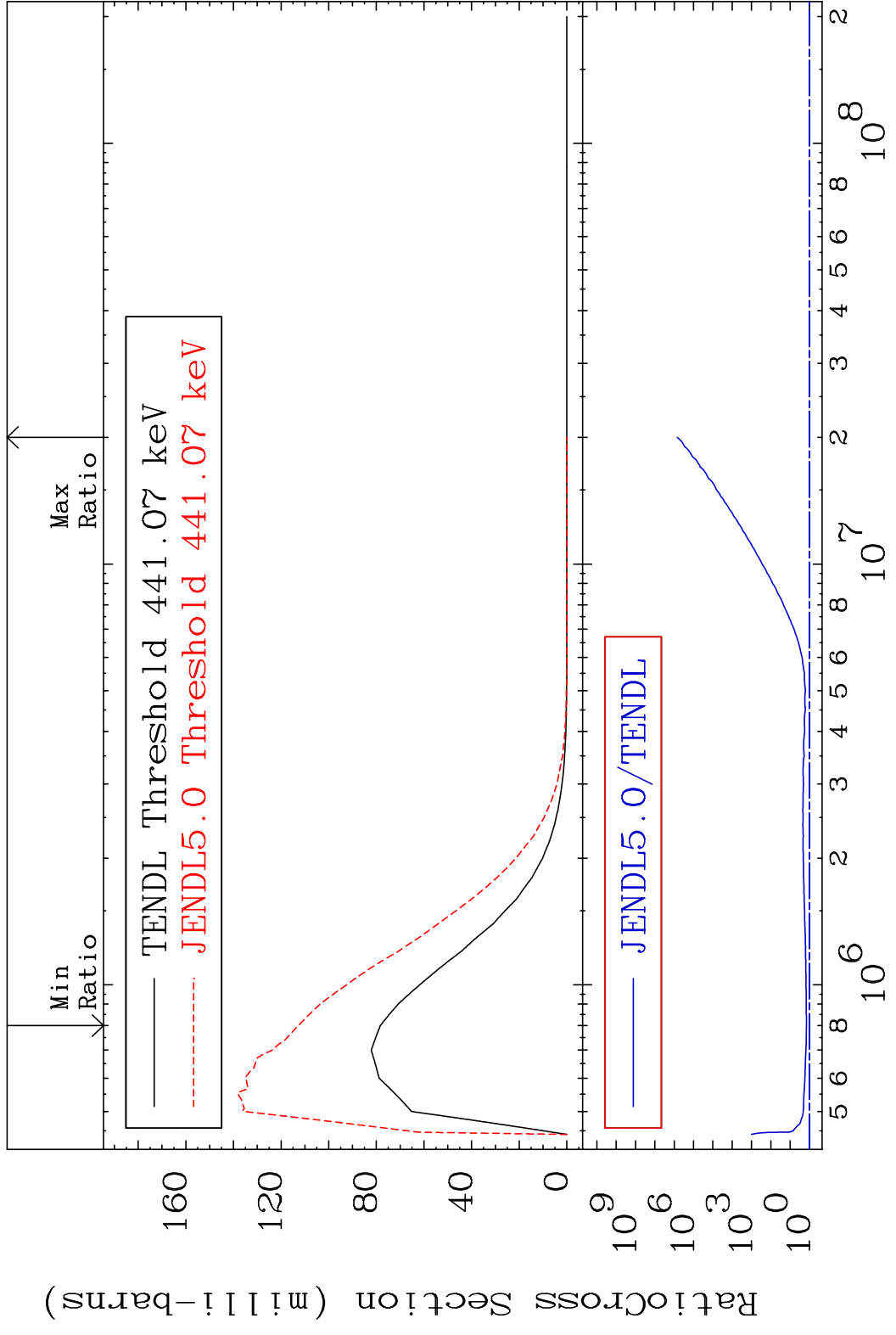
MAT 7640 MT= 62 (n,n') Level 76-0s-189
 Cross Section -86.76 To 290.9 %



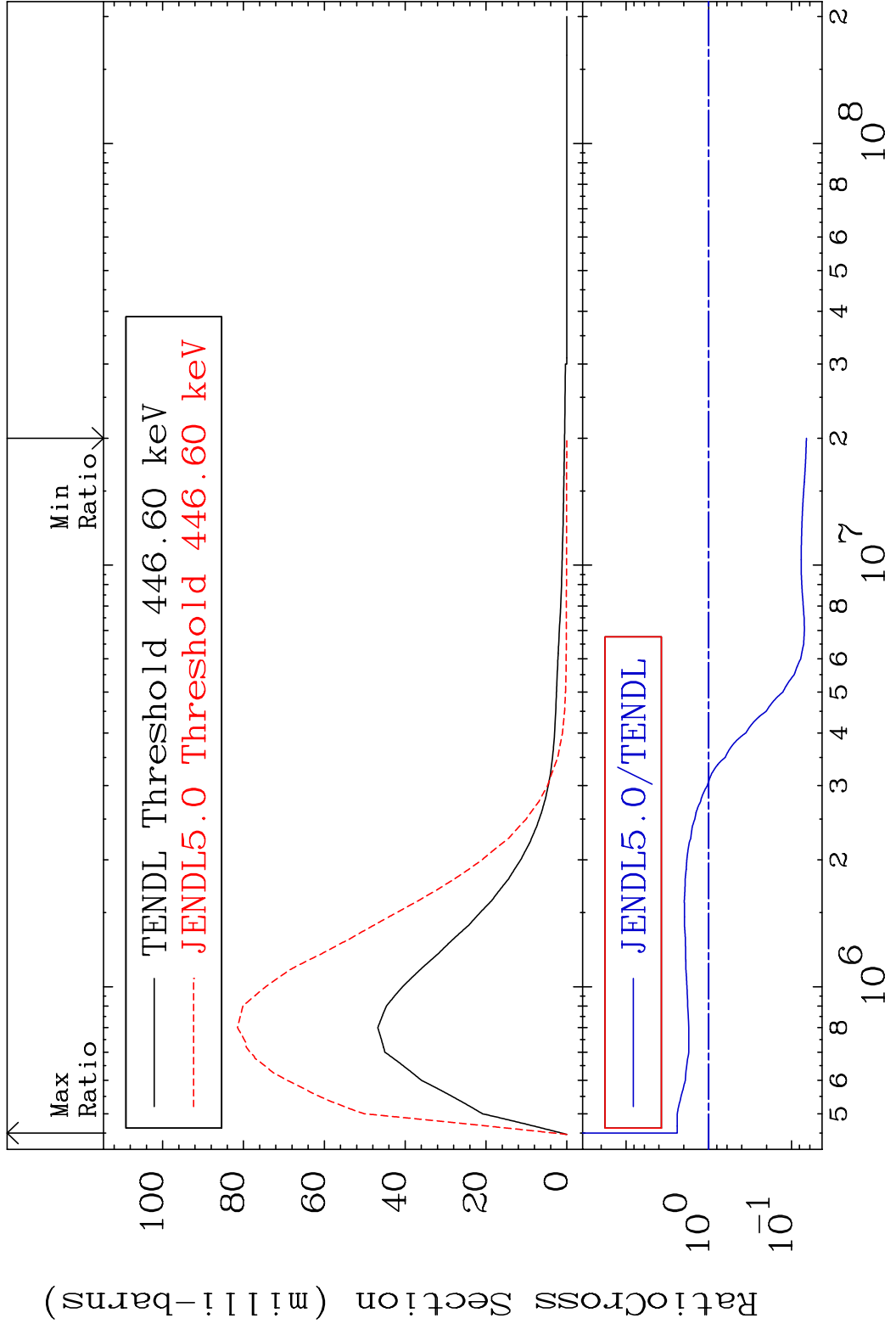
MAT 7640 MT= 63 (n, n') Level 76-0s-189
 Cross Section -85.51 To 1079. %



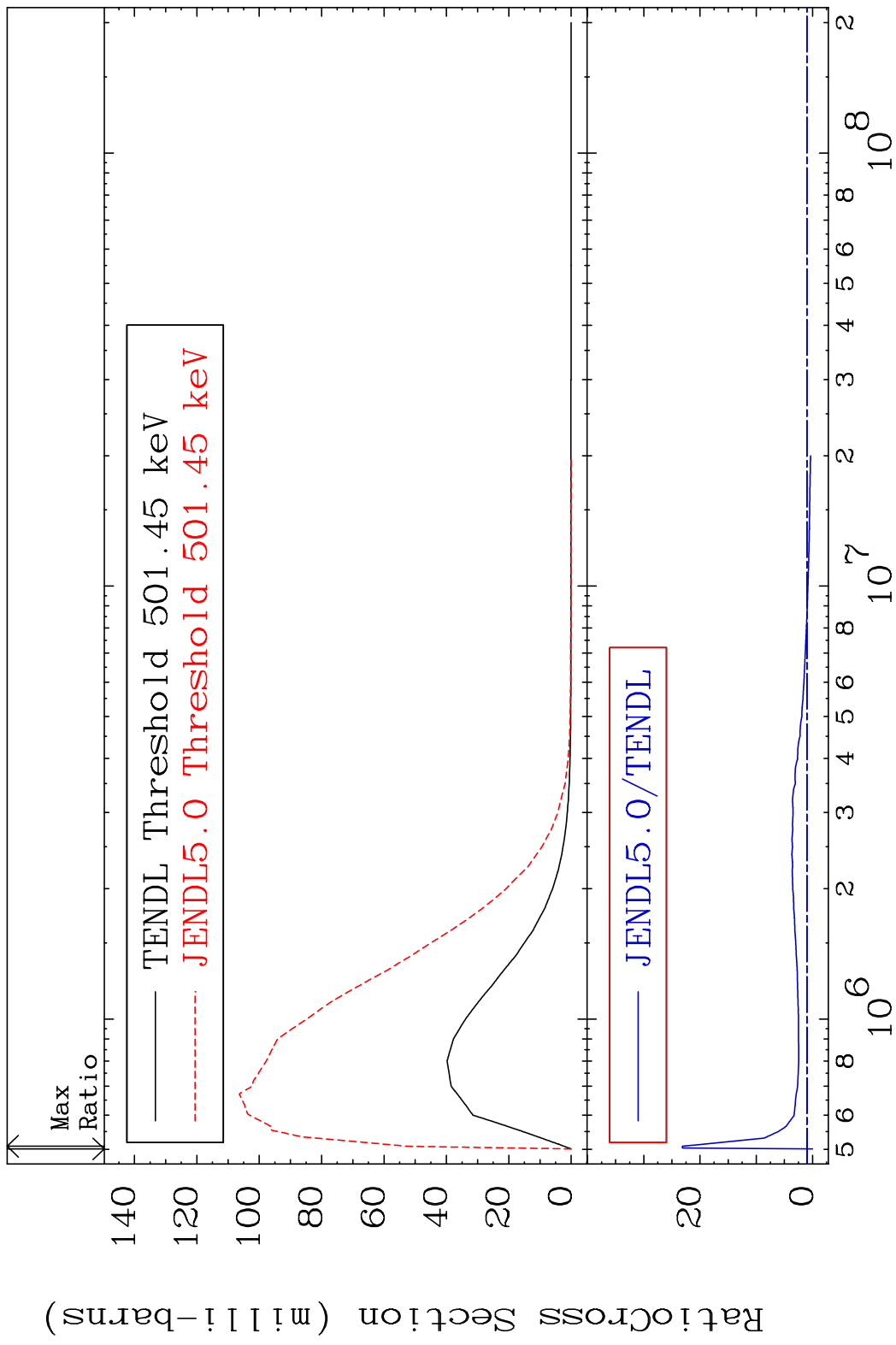
MAT 7640 MT= 64 (n, n') Level 76-0s-189
 Cross Section 43.99 To 9999. %



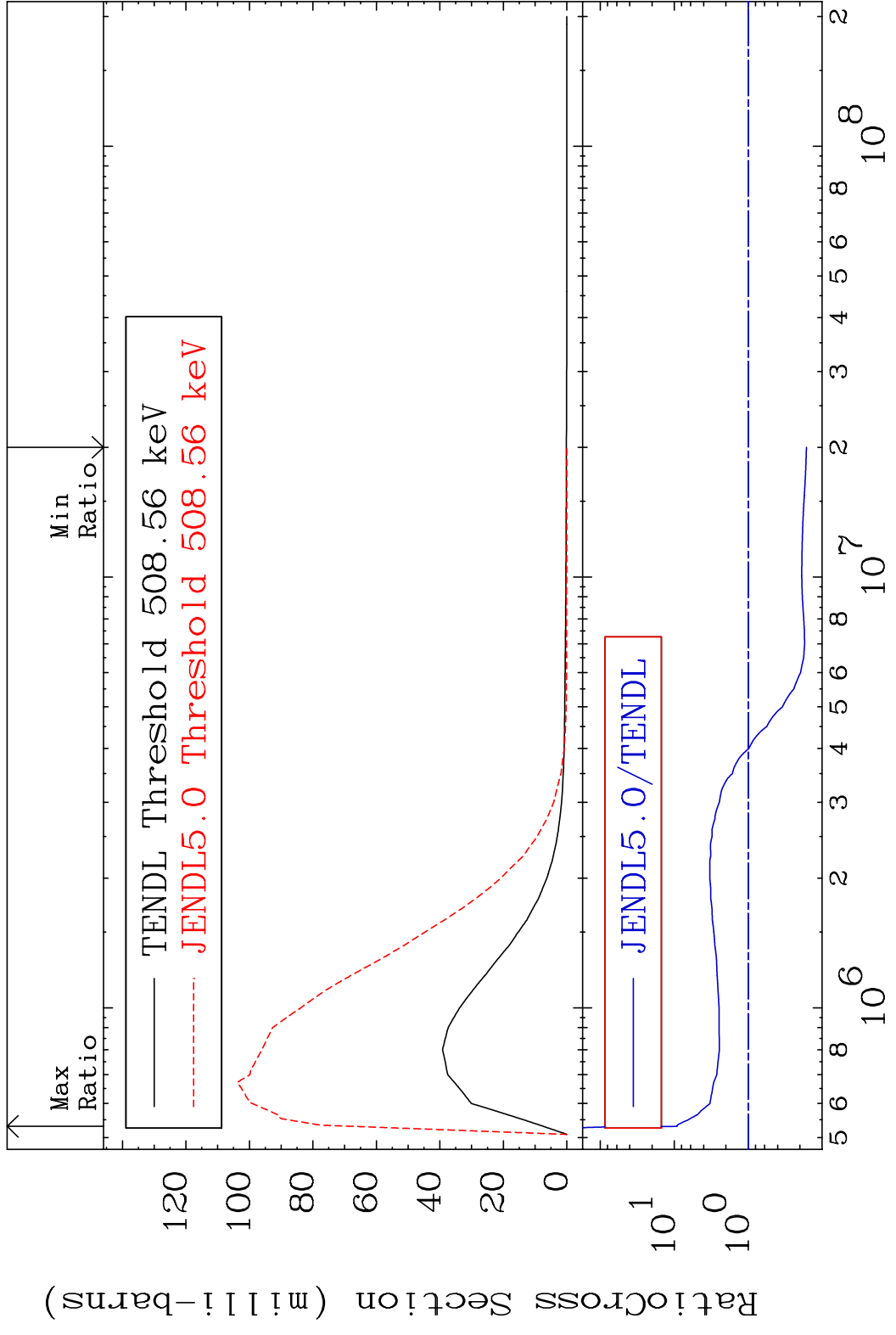
MAT 7640 MT= 65 (n, n') Level 76-0s-189
 Cross Section -93.41 To 140.7 %



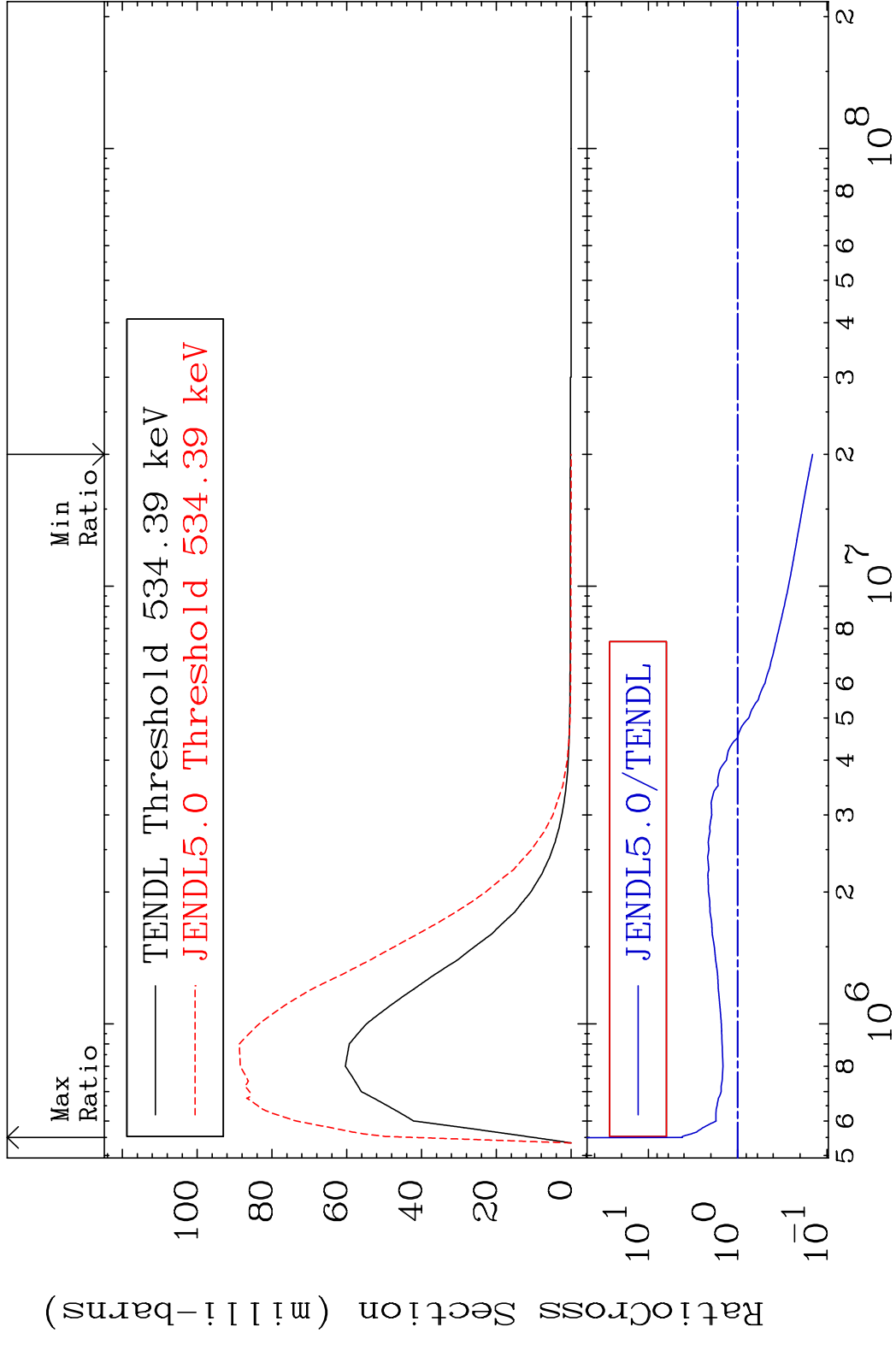
MAT 7640 MT= 66 (n,n') Level 76-0s-189
 Cross Section -100.0 To 2214. %



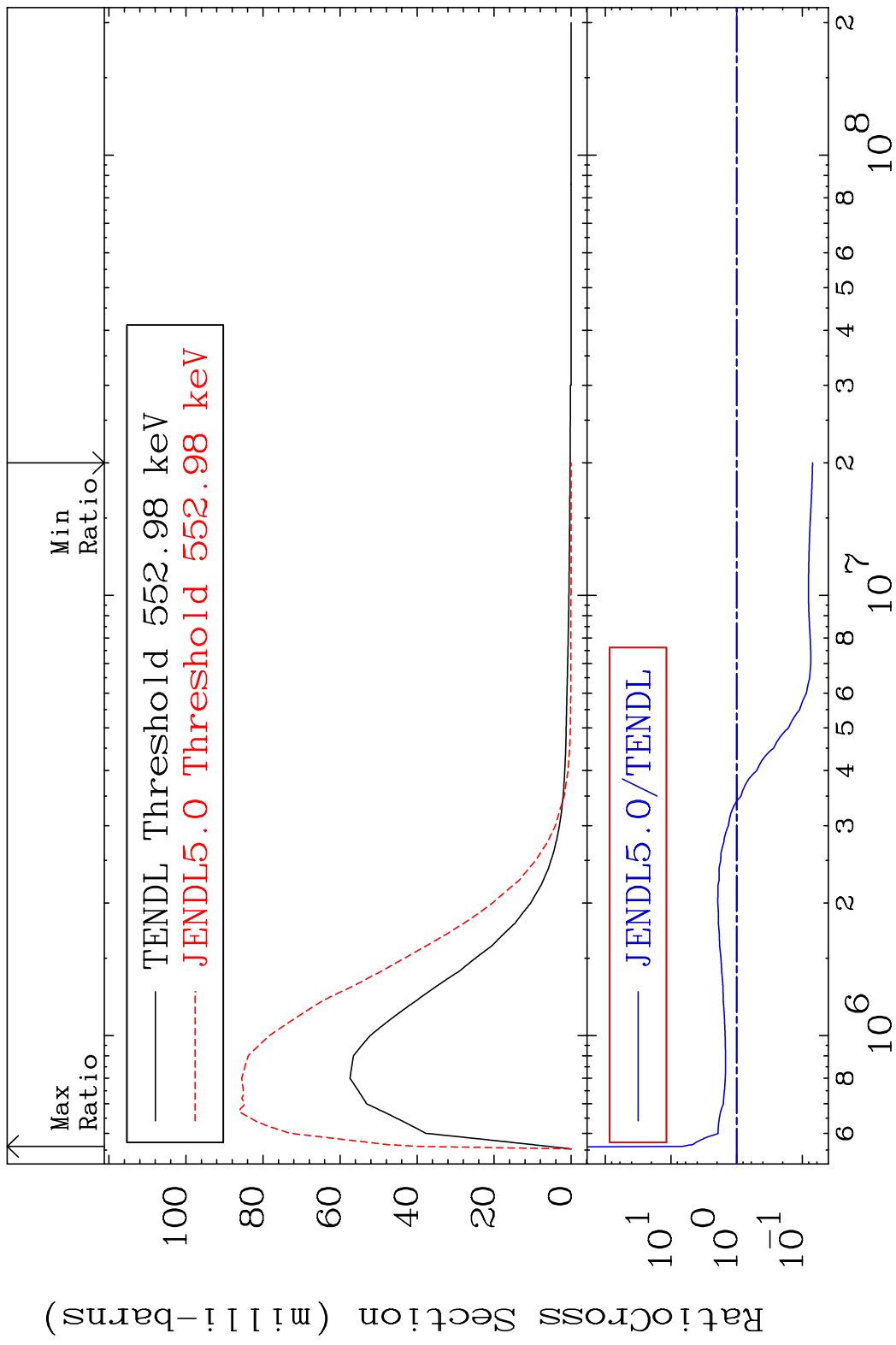
MAT 7640 MT= 67 (n, n') Level 76-0s-189
 Cross Section -83.63 To 813.1 %



MAT 7640 MT= 68 (n, n') Level 76-0s-189
 Cross Section -85.50 To 316.6 %

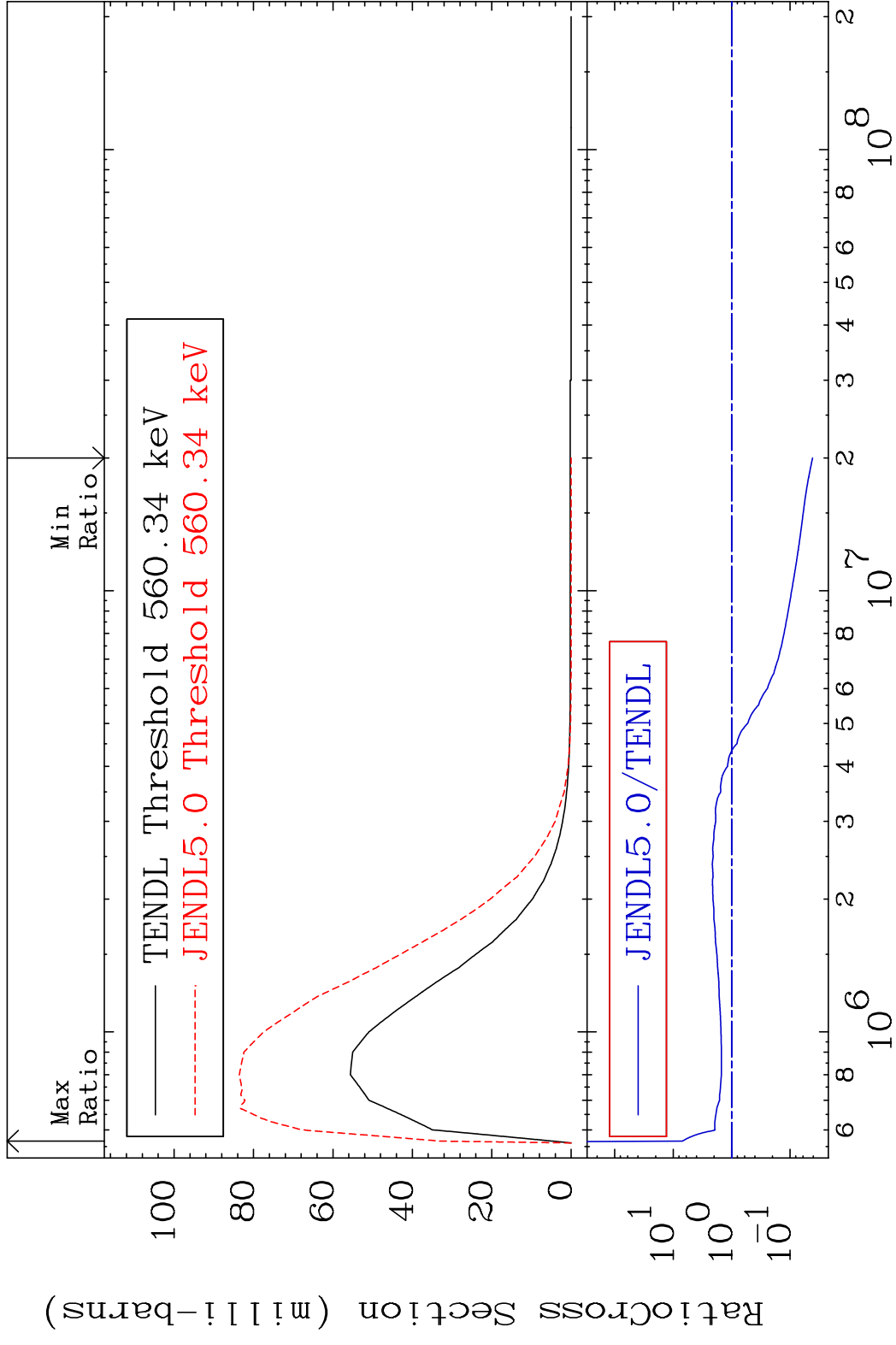


MAT 7640 MT= 69 (n, n') Level 76-0s-189
 Cross Section -93.00 To 572.6 %

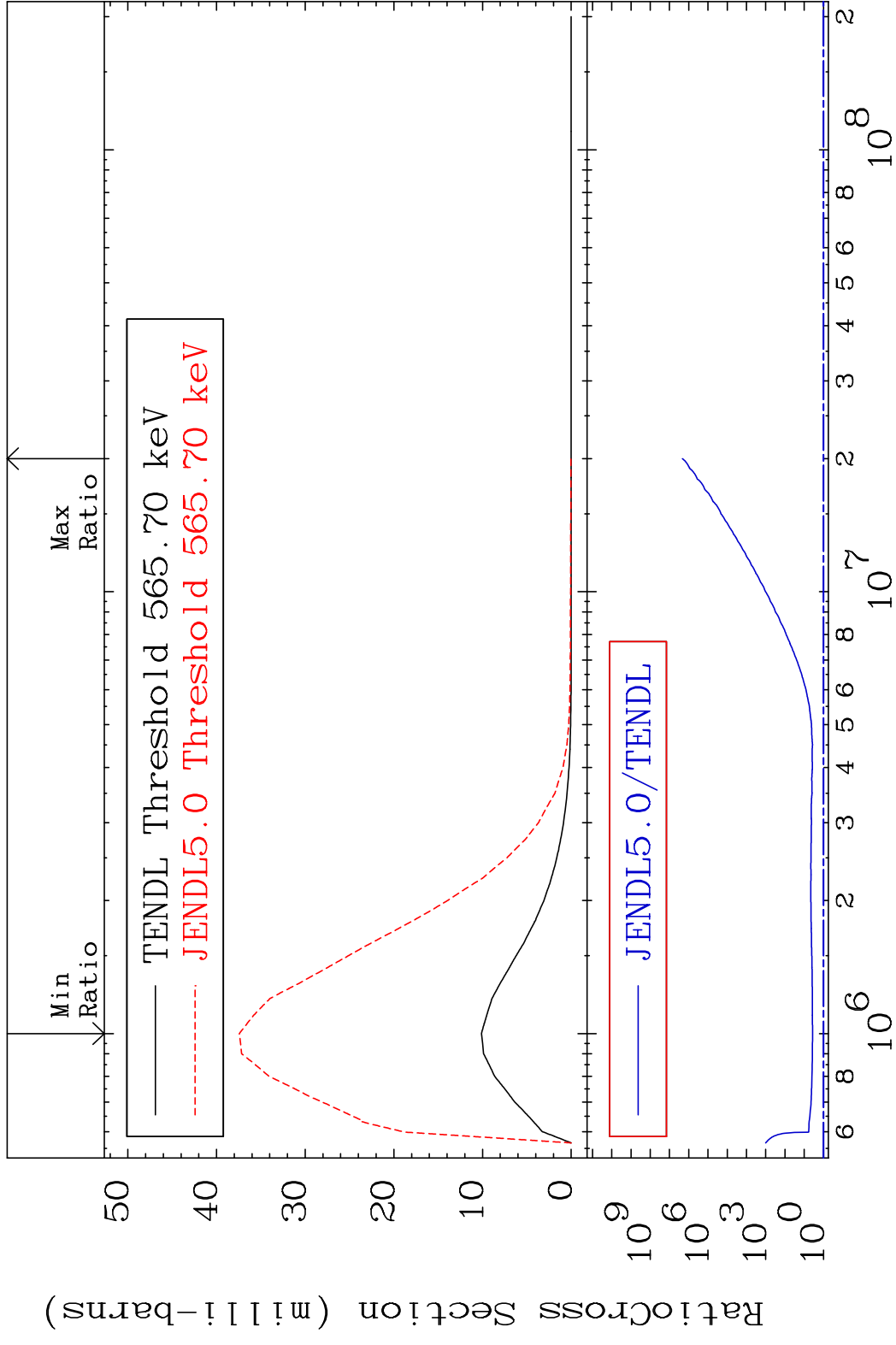


30 Incident Energy (eV) 76-0s-189

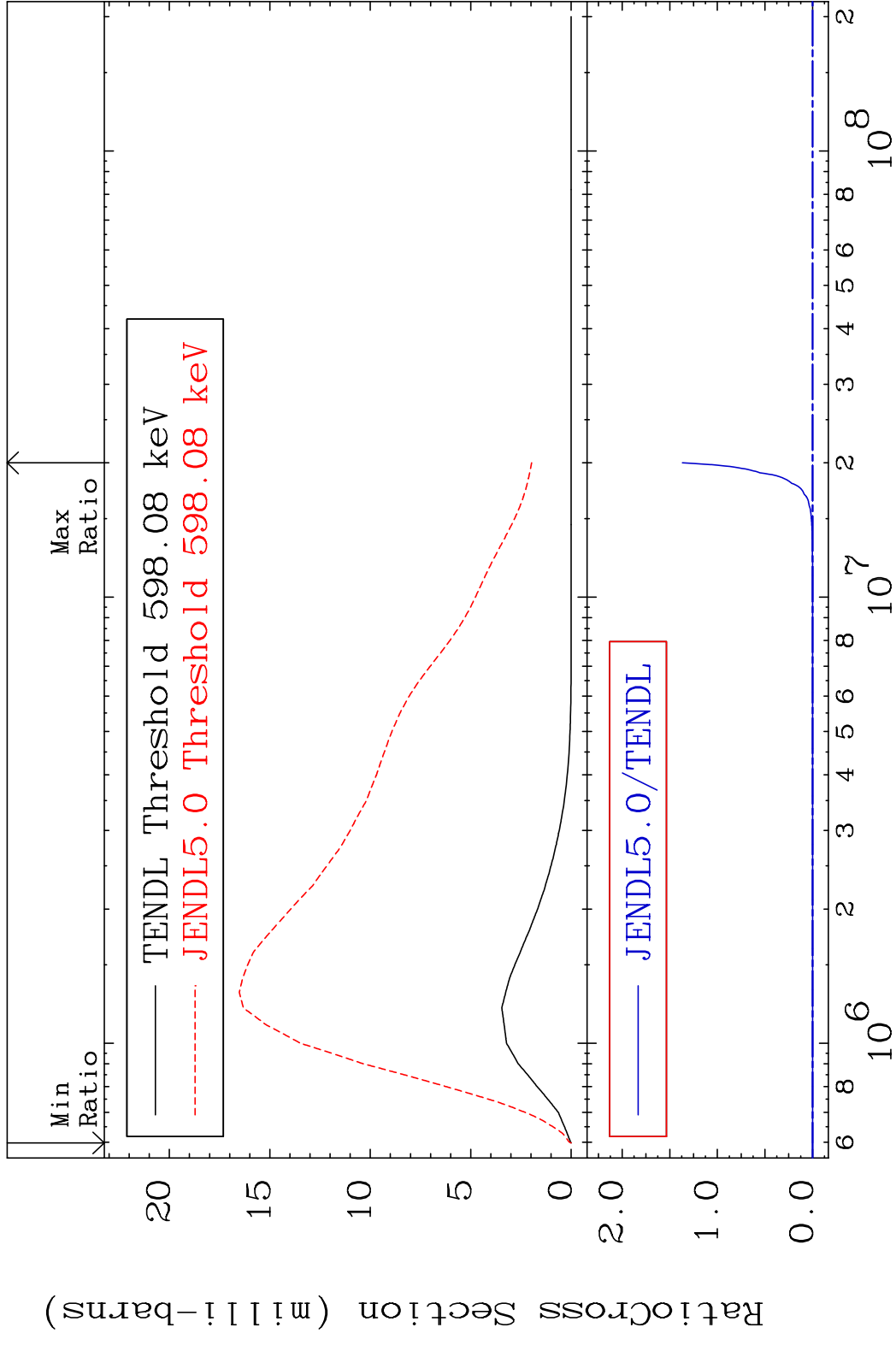
MAT 7640 MT= 70 (n, n') Level 76-0s-189
 Cross Section -95.88 To 597.1 %



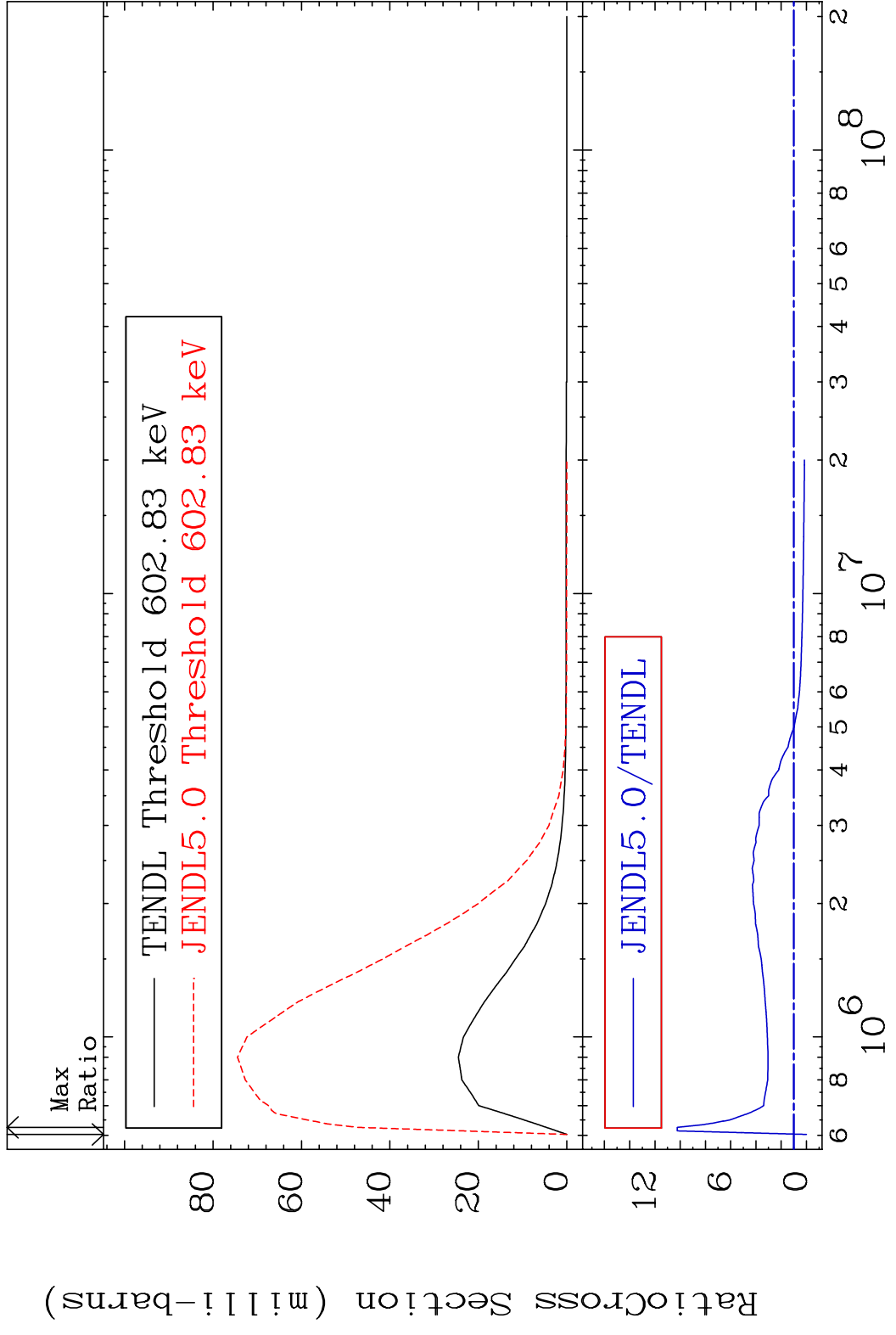
MAT 7640 MT= 71 (n, n') Level 76-0s-189
 Cross Section 269.7 To 9999. %



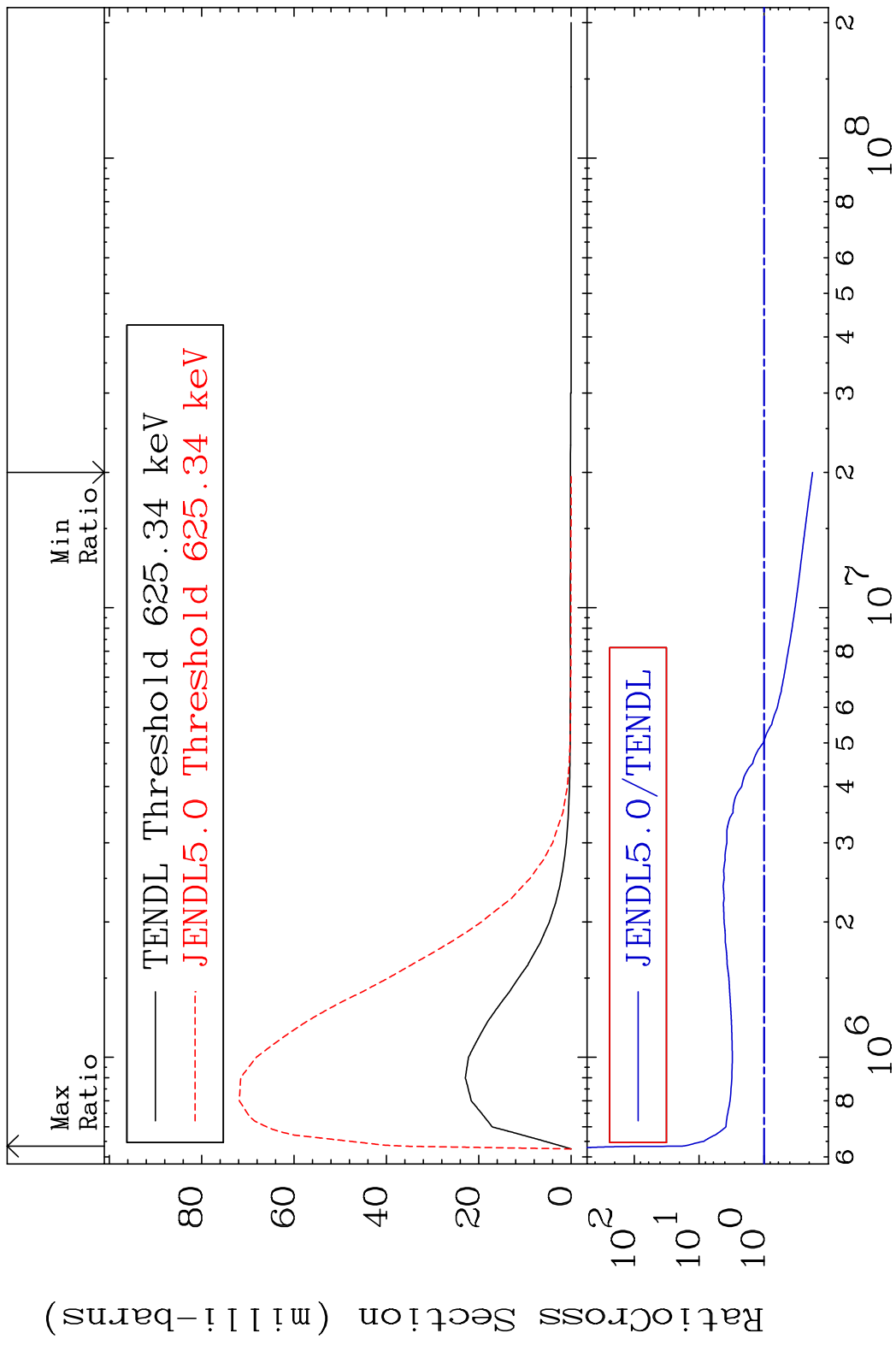
MAT 7640 MT= 72 (n, n') Level 76-0s-189
 Cross Section -100.0 To 9999. %



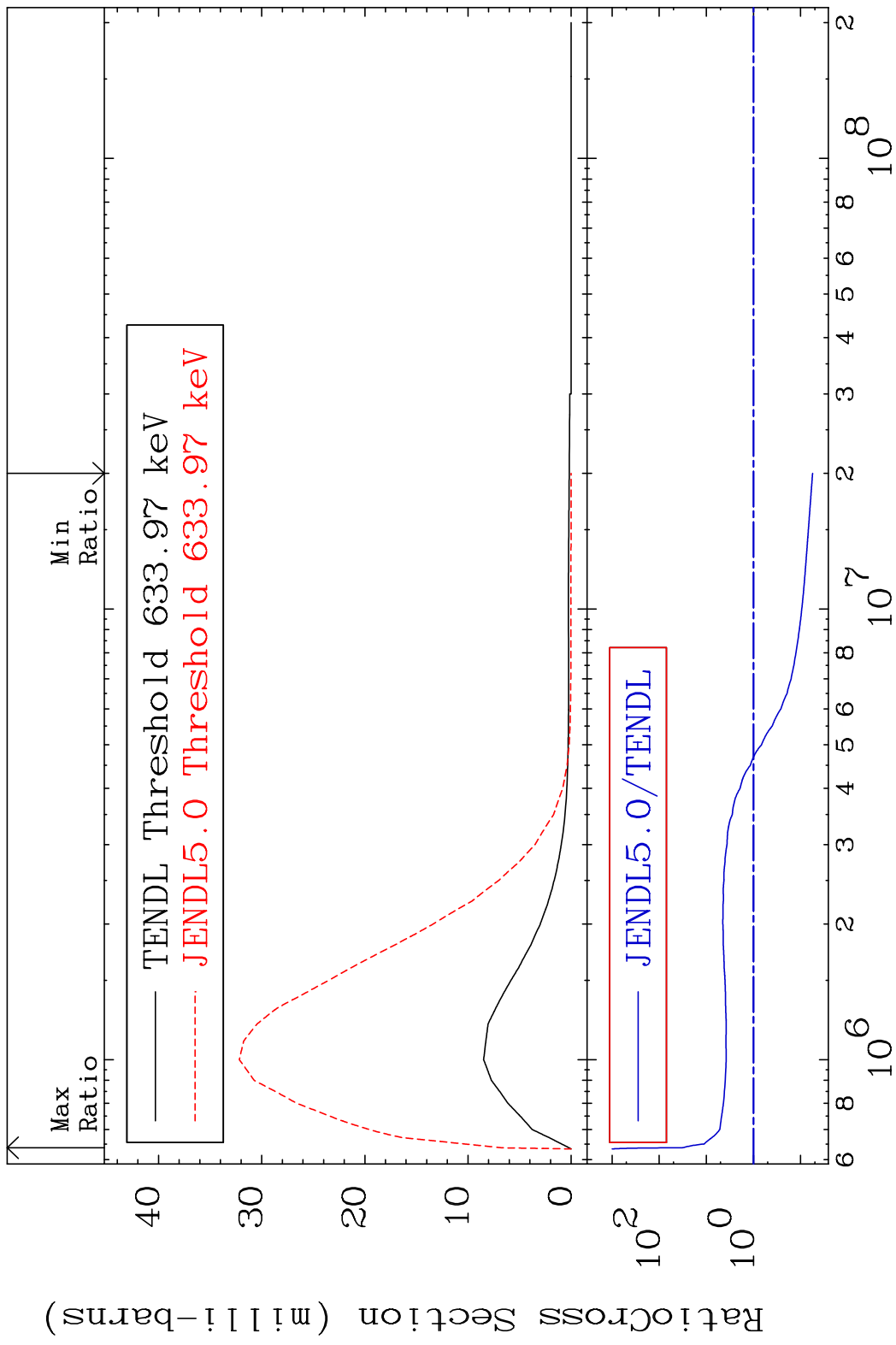
MAT 7640 MT= 73 (n, n') Level 76-0s-189
 Cross Section -100.0 To 923.8 %



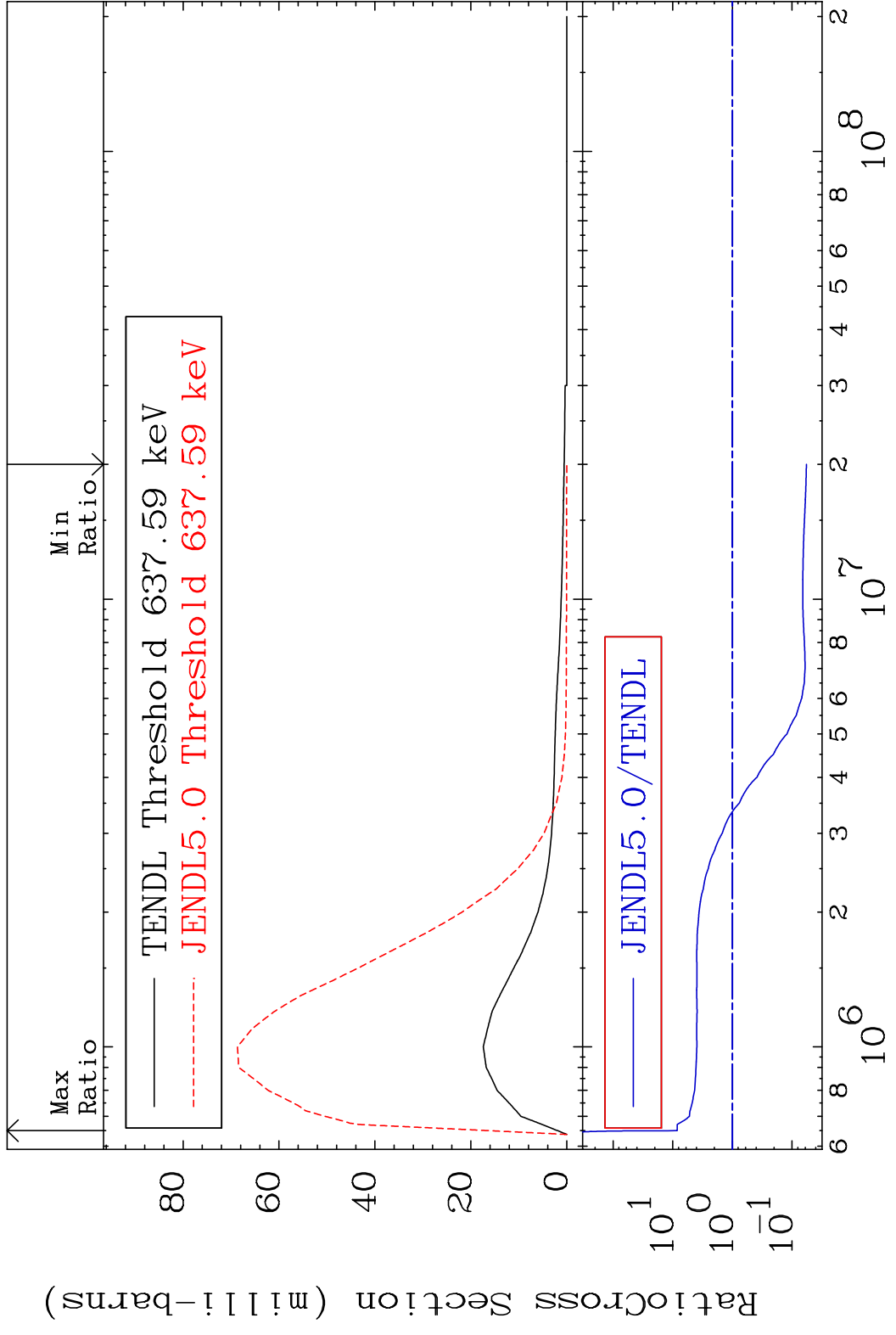
MAT 7640 MT= 74 (n, n') Level 76-0s-189
 Cross Section -82.19 To 1710. %



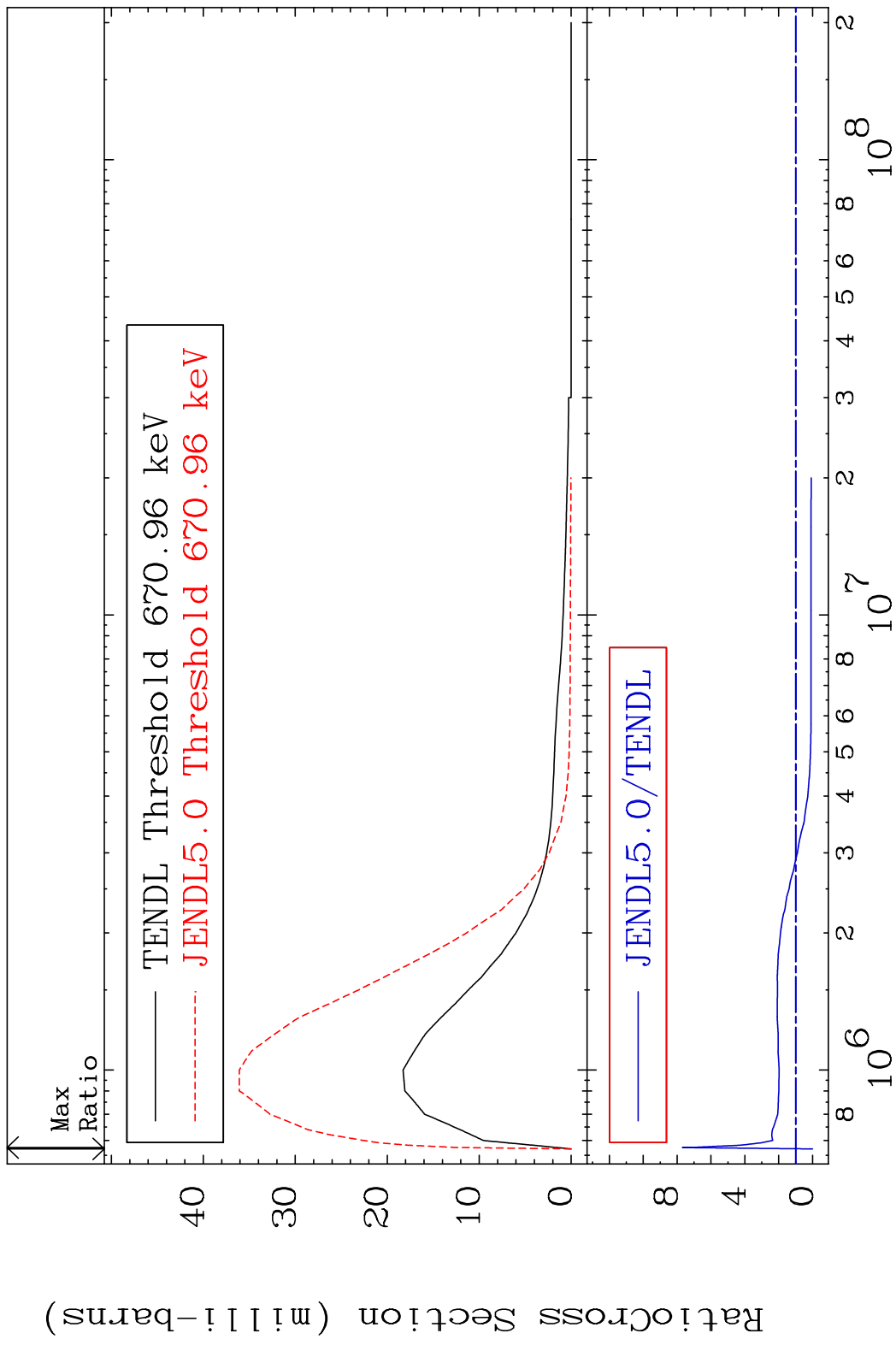
MAT 7640 MT= 75 (n,n') Level 76-0s-189
 Cross Section -94.43 To 3132. %



MAT 7640 MT= 76 (n,n') Level 76-0s-189
 Cross Section -94.26 To 742.5 %

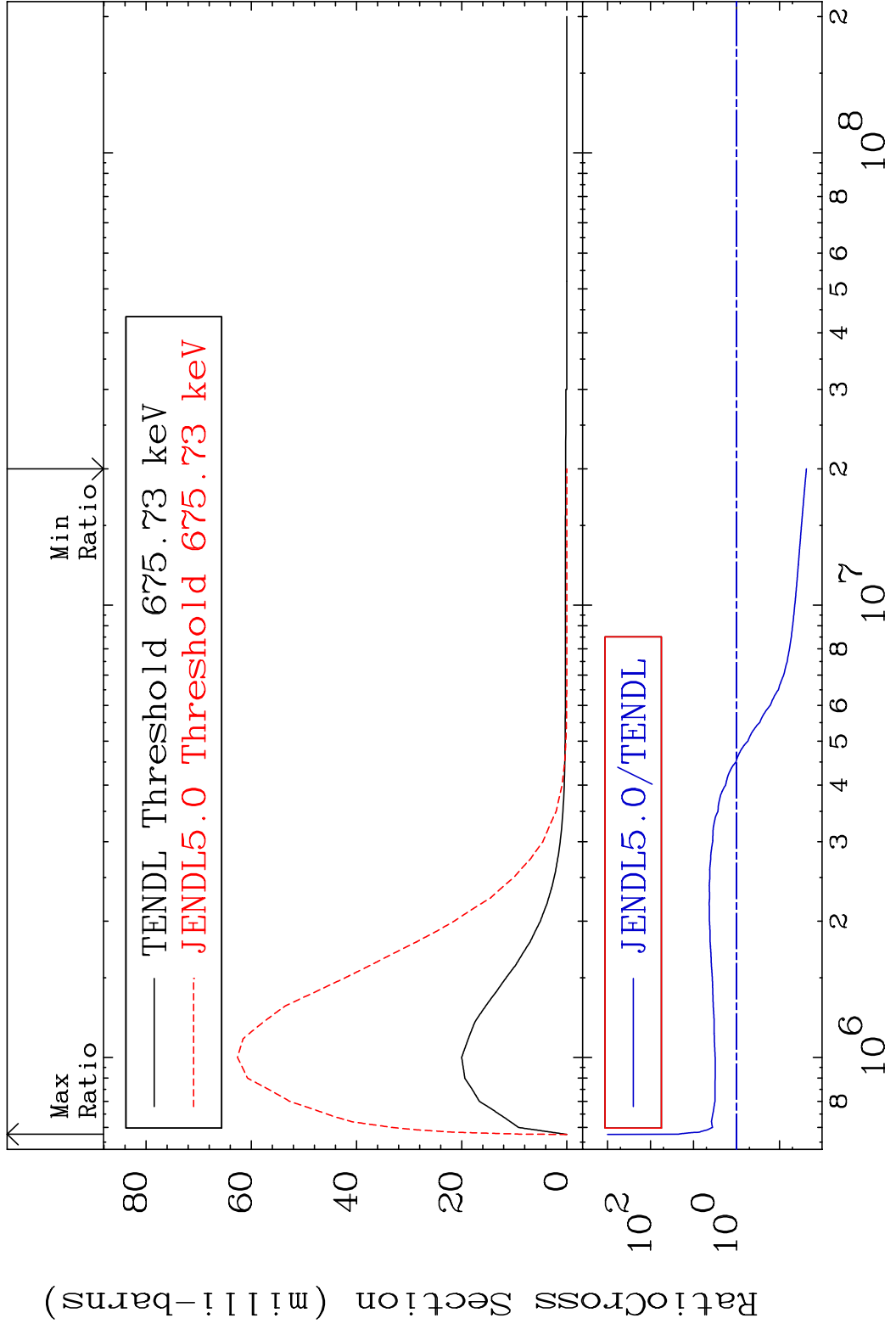


MAT 7640 MT= 77 (n, n') Level 76-0s-189
 Cross Section -100.0 To 668.9 %

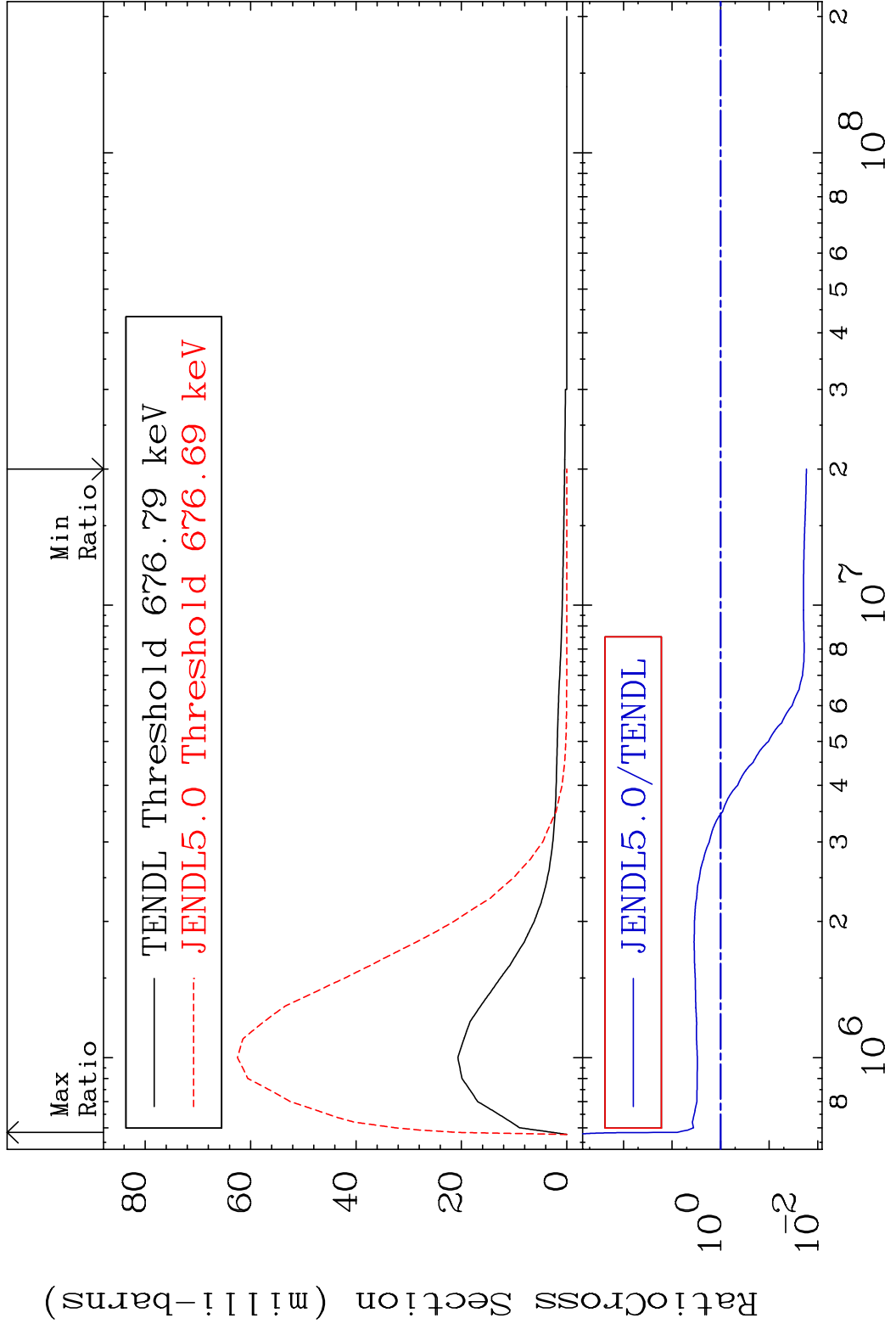


38 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 78 (n, n') Level 76-0s-189
 Cross Section -97.64 To 2291. %

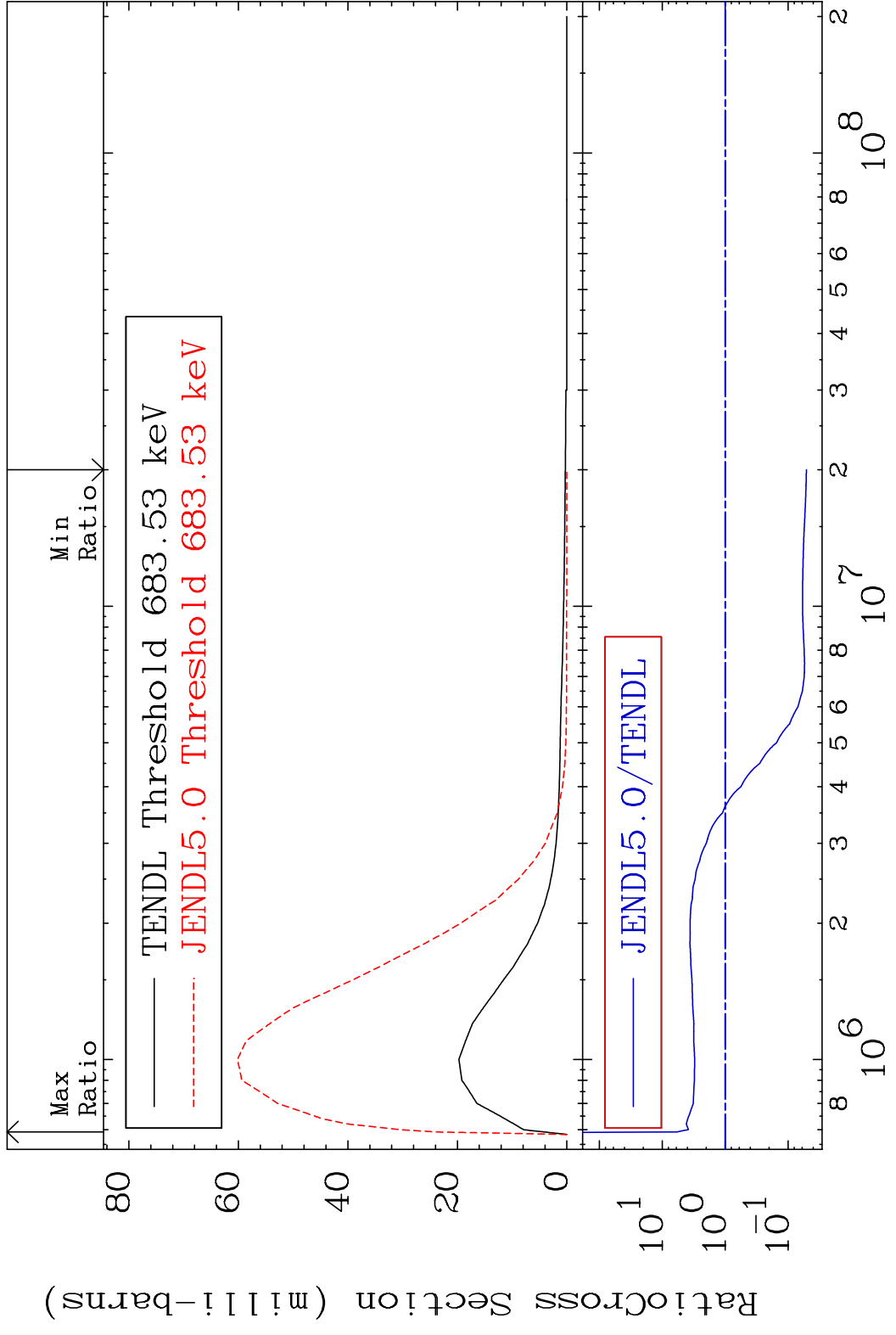


MAT 7640 MT= 79 (n, n') Level 76-0s-189
 Cross Section -98.29 To 686.1 %



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

MAT 7640 MT= 80 (n, n') Level 76-0s-189
 Cross Section -94.88 To 479.4 %

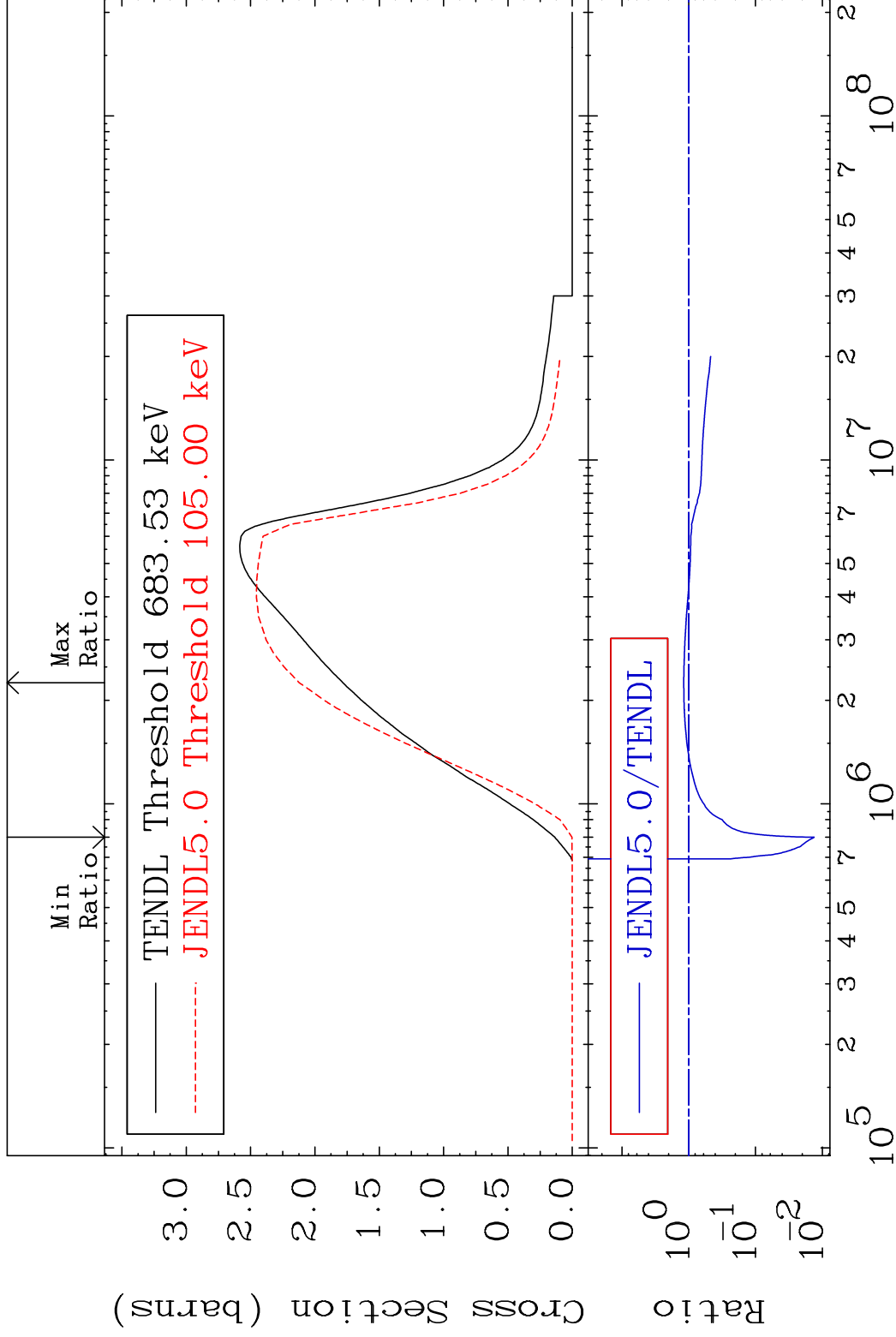


MAT 7640

(n, n') Continuum

76-Os-189

Cross Section -98.67 To 19.10 %



42

Incident Energy (eV)

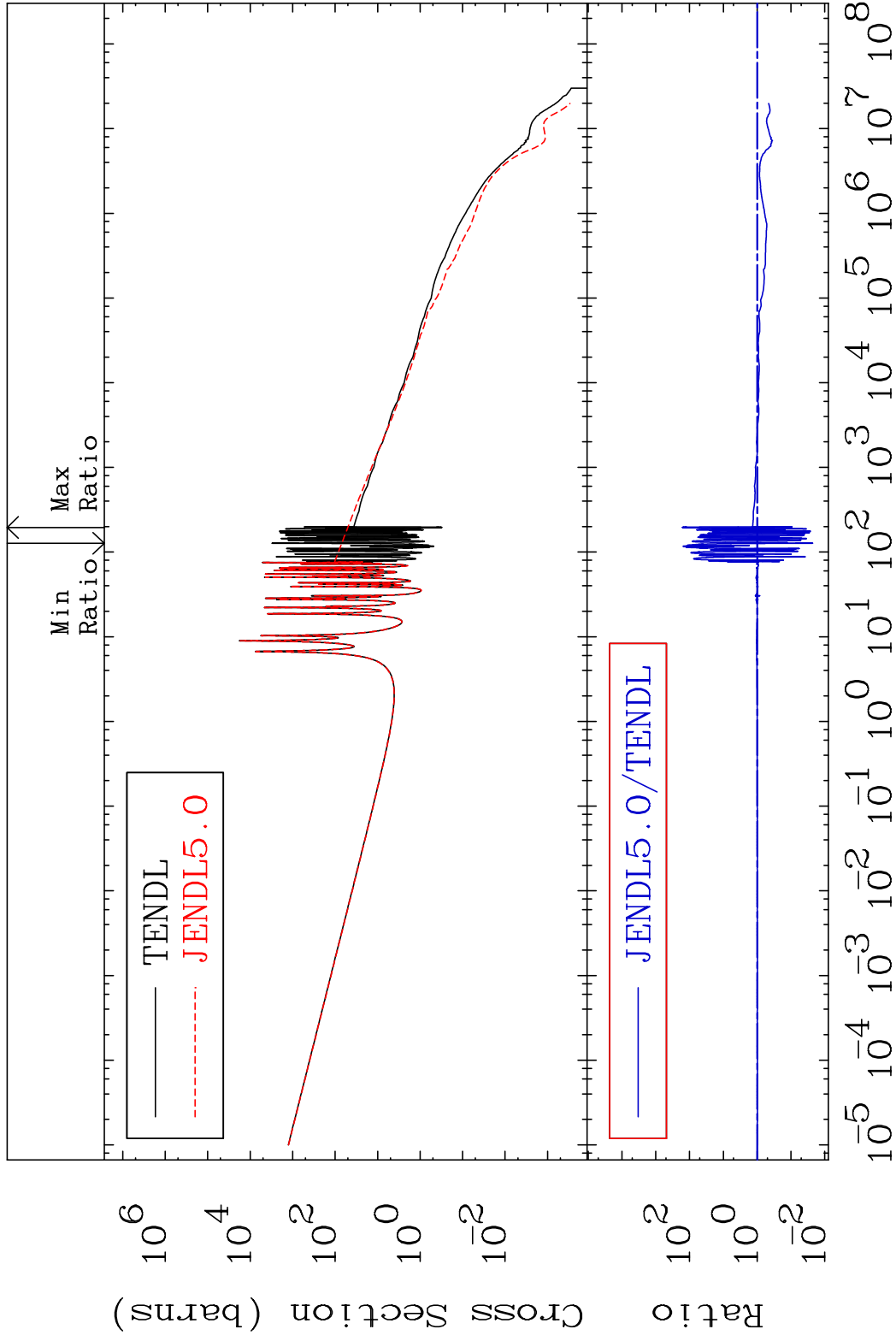
76-Os-189

MAT 7640

(n, γ)

76-Os-189

Cross Section -97.70 To 9999. %



43

Incident Energy (eV)

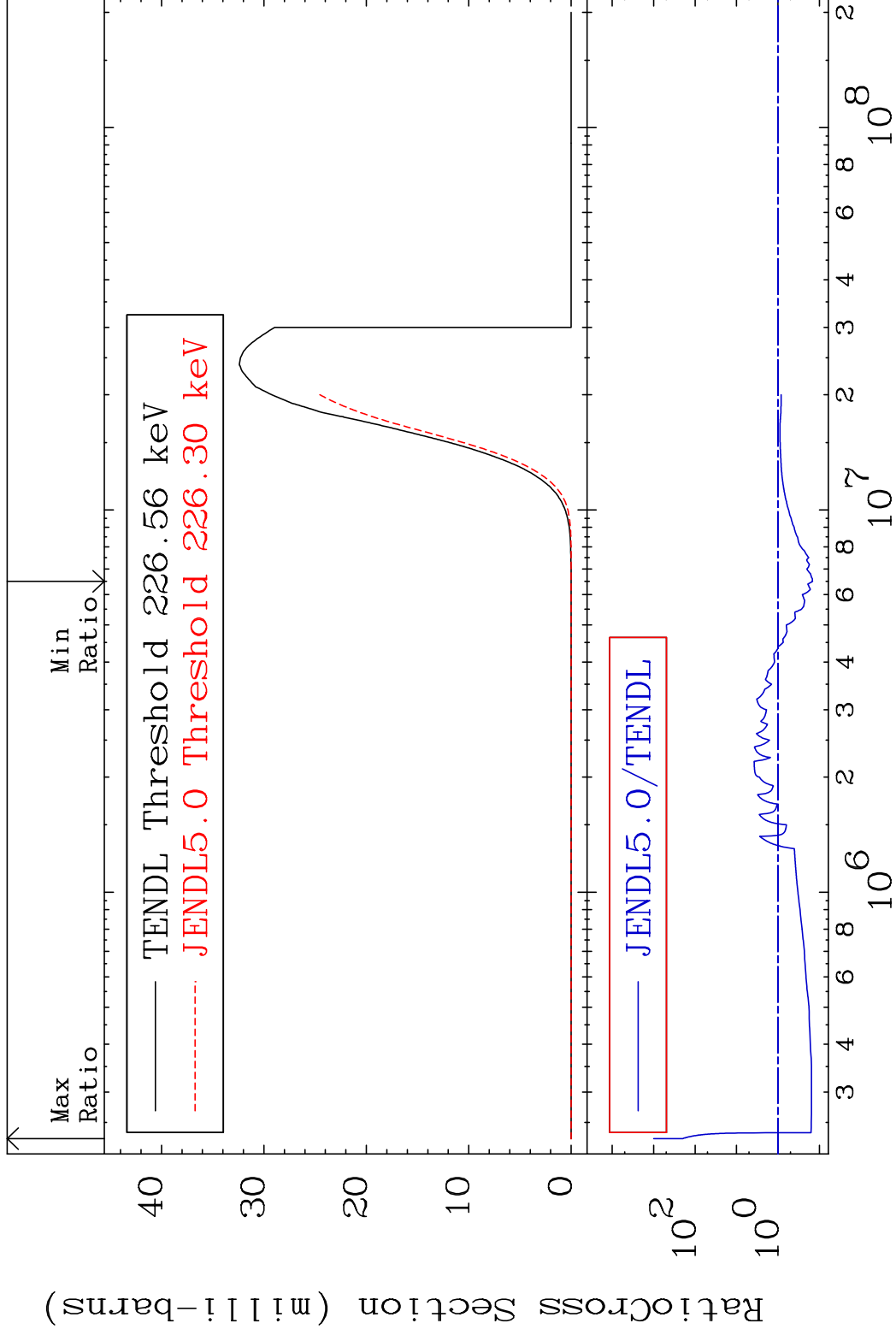
76-Os-189

MAT 7640

(n, p)

76-0s-189

Cross Section -85.36 To 9999. %



44

Incident Energy (eV)

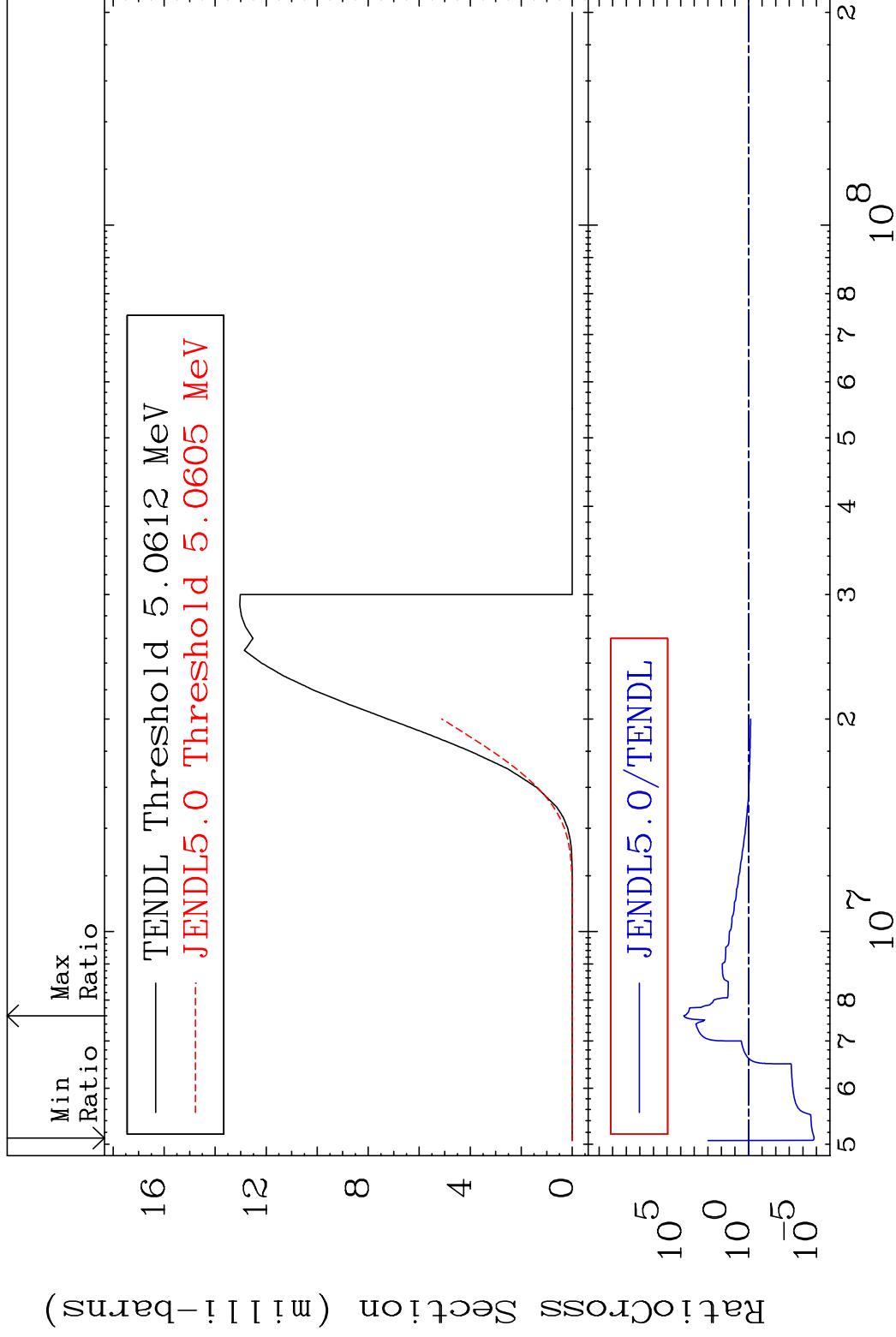
76-0s-189

MAT 7640

(n,d)

76-0s-189

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

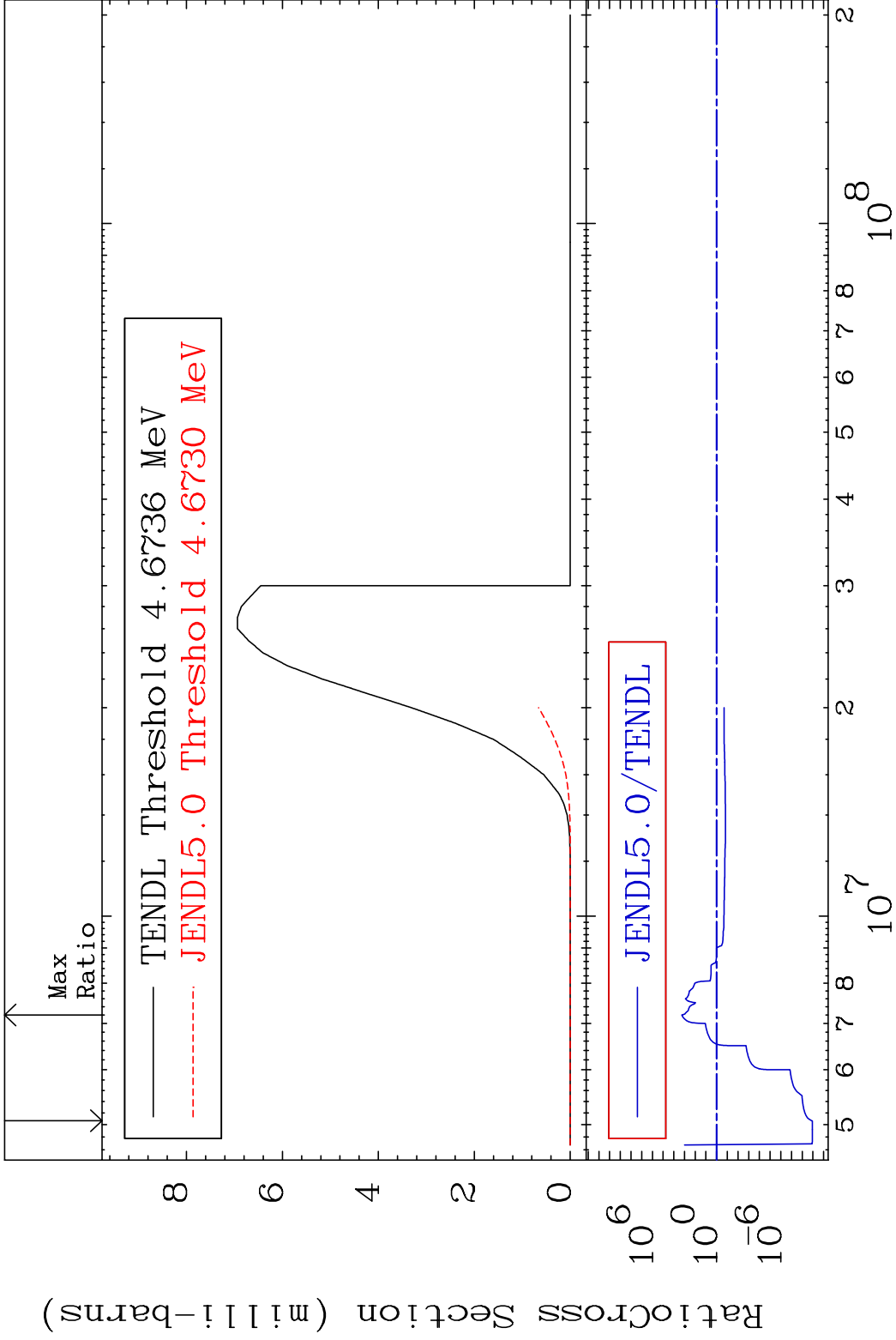
76-0s-189

MAT 7640

(n, t)

76-Os-189

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

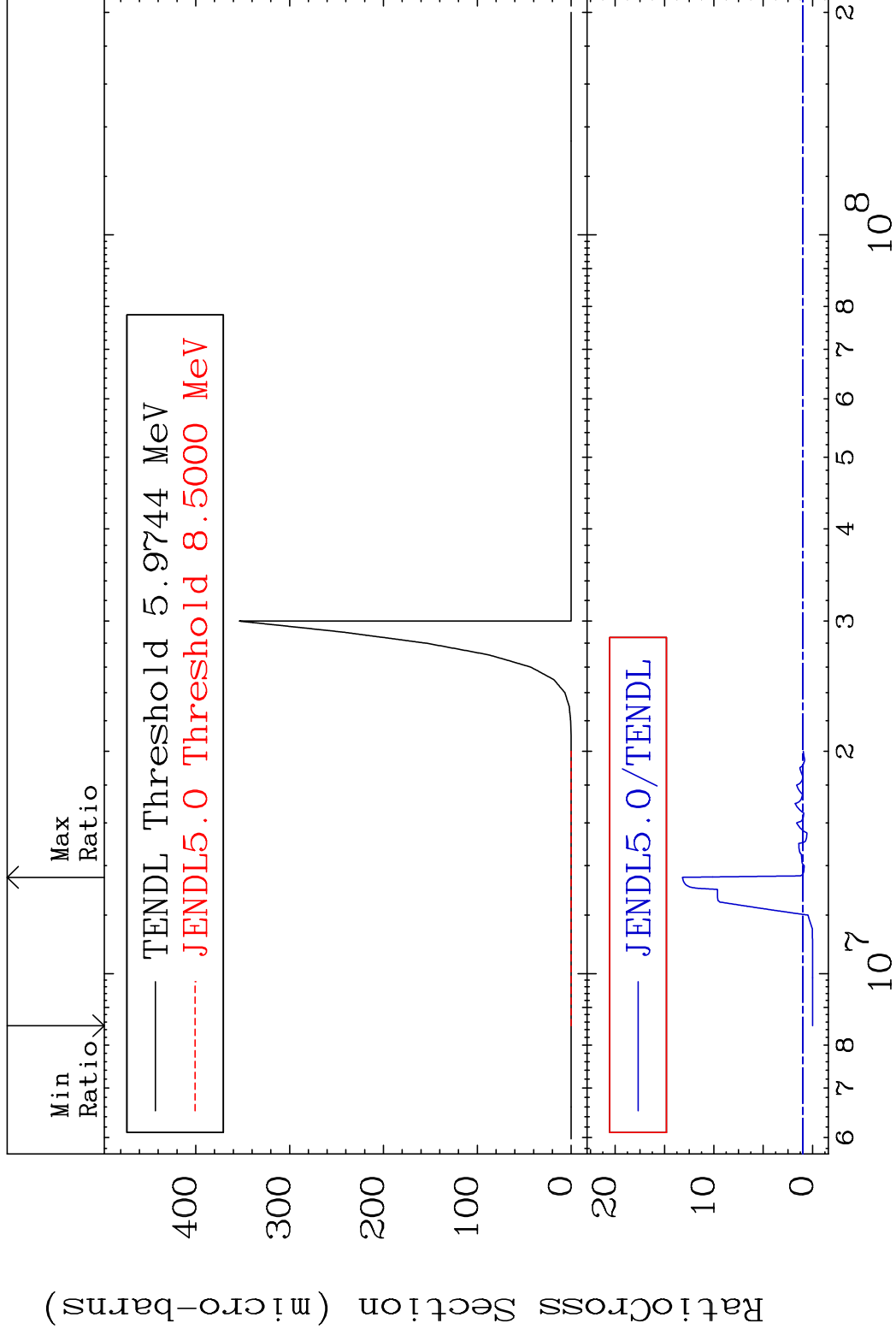
76-Os-189

MAT 7640

(n, He-3)

76-Os-189

Cross Section -100.0 To 1219. %



47

Incident Energy (eV)

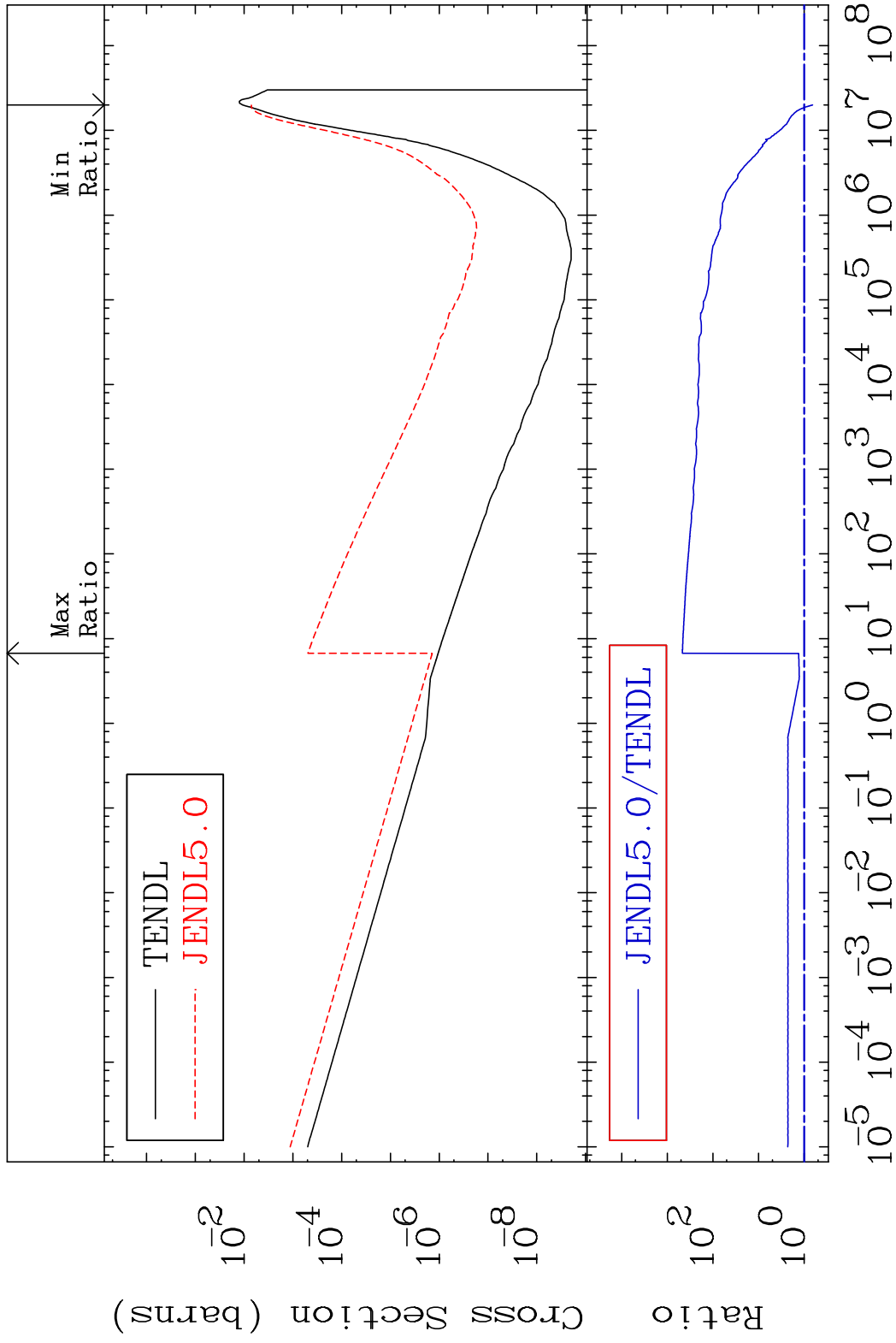
76-Os-189

MAT 7640

(n, α)

76-0s-189

Cross Section -34.20 To 9999. %



48

Incident Energy (eV)

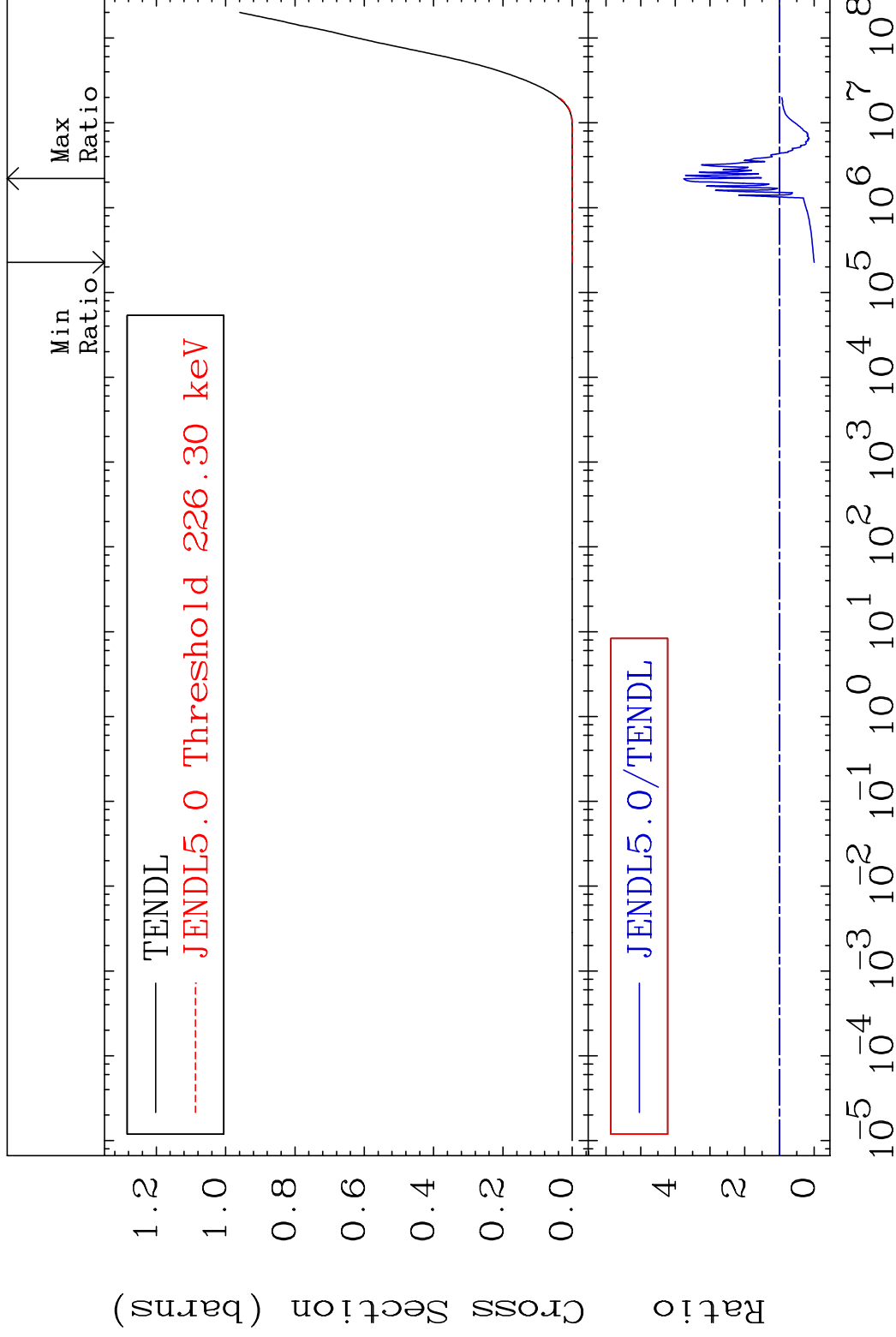
76-0s-189

MAT 7640

Hydrogen Production

76-Os-189

Cross Section -100.0 To 276.0 %



49

Incident Energy (eV)

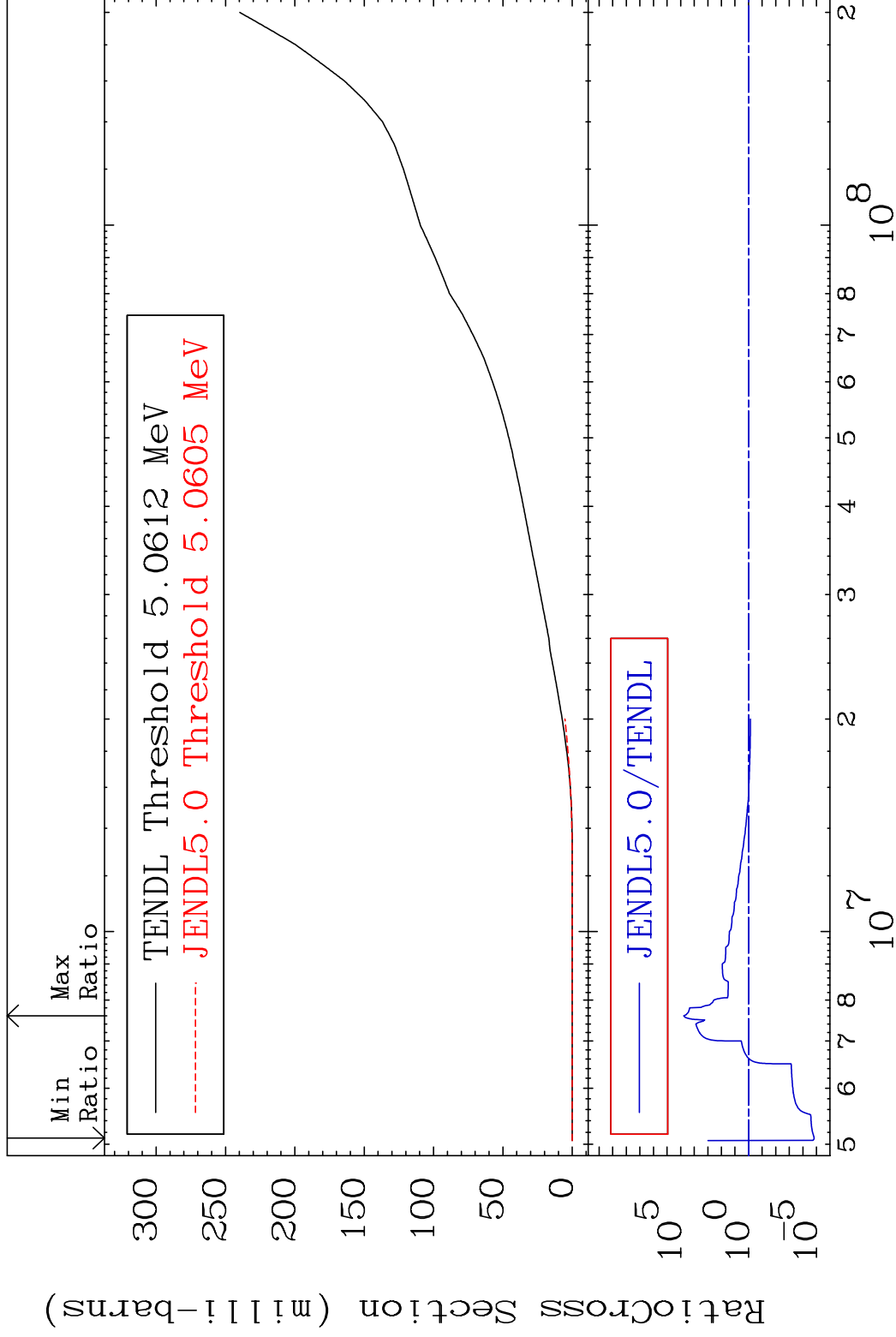
76-Os-189

MAT 7640

Deuterium Production

76-Os-189

Cross Section -100.0 To 9999. %



50

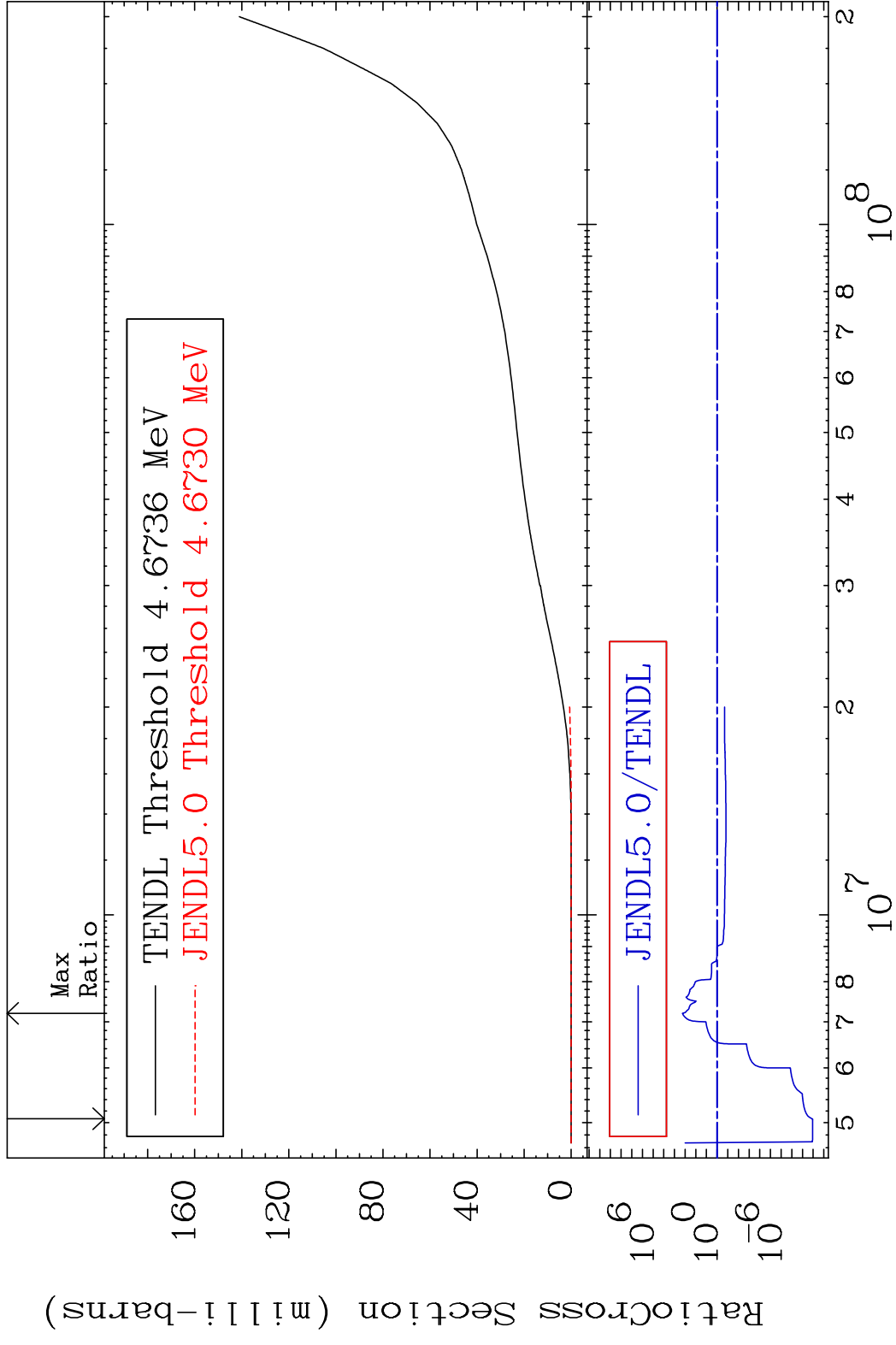
Incident Energy (eV)

76-Os-189

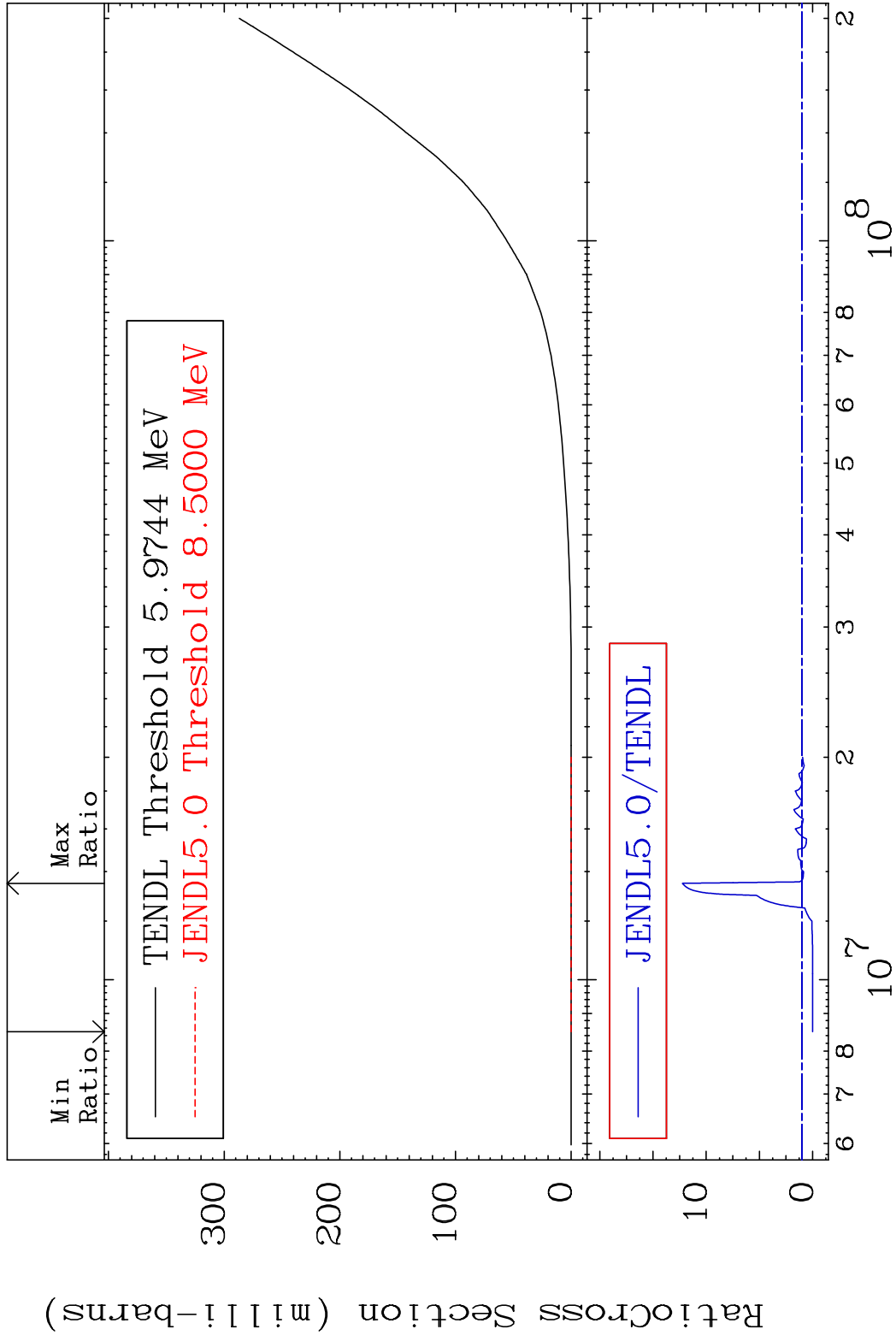
MAT 7640

Tritium Production 76-0s-189

Cross Section -100.0 To 9999. %



Cross Section -100.0 To 1124. %

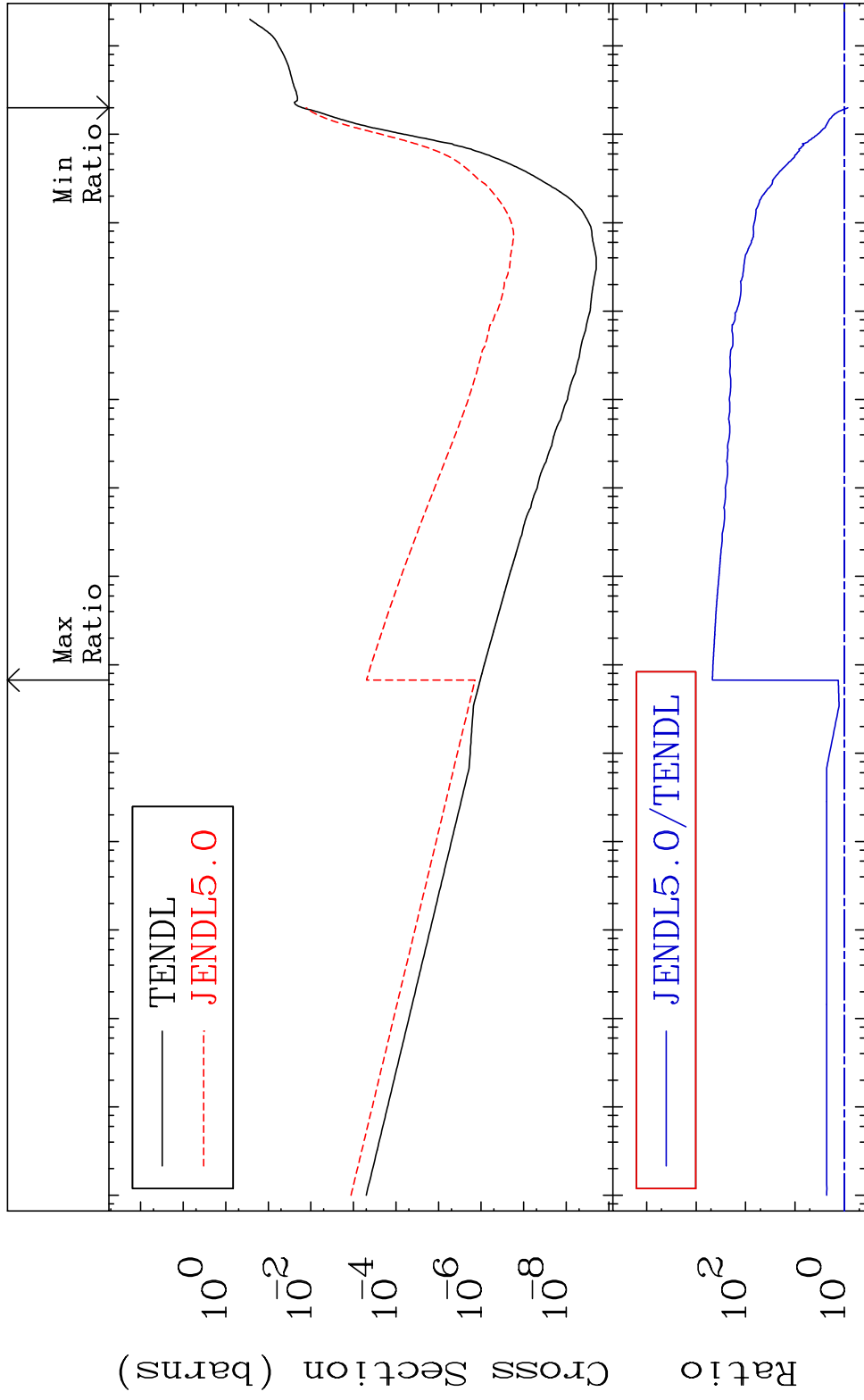


MAT 7640

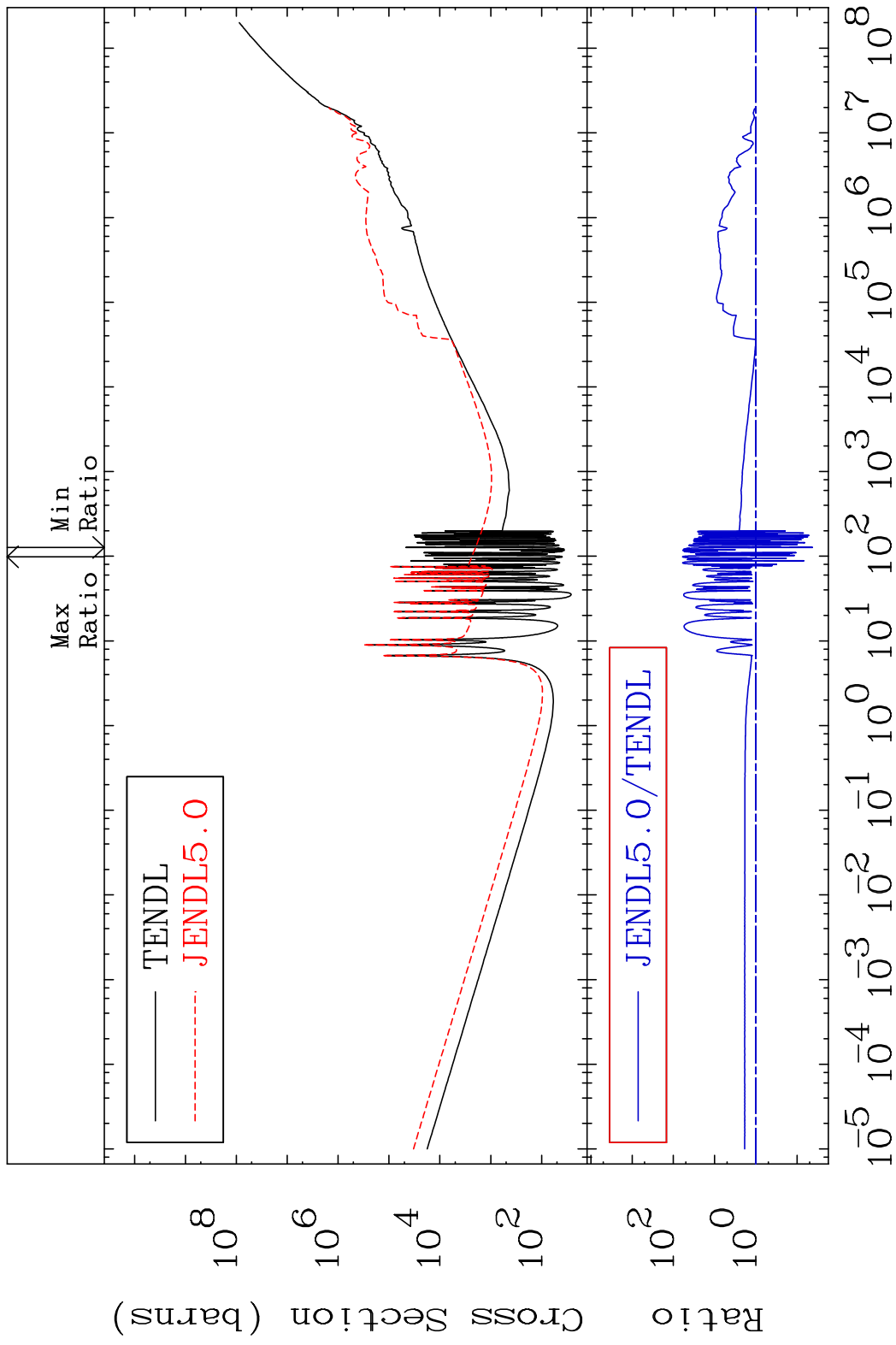
He-4 Production

76-Os-189

Cross Section -16.61 To 9999. %



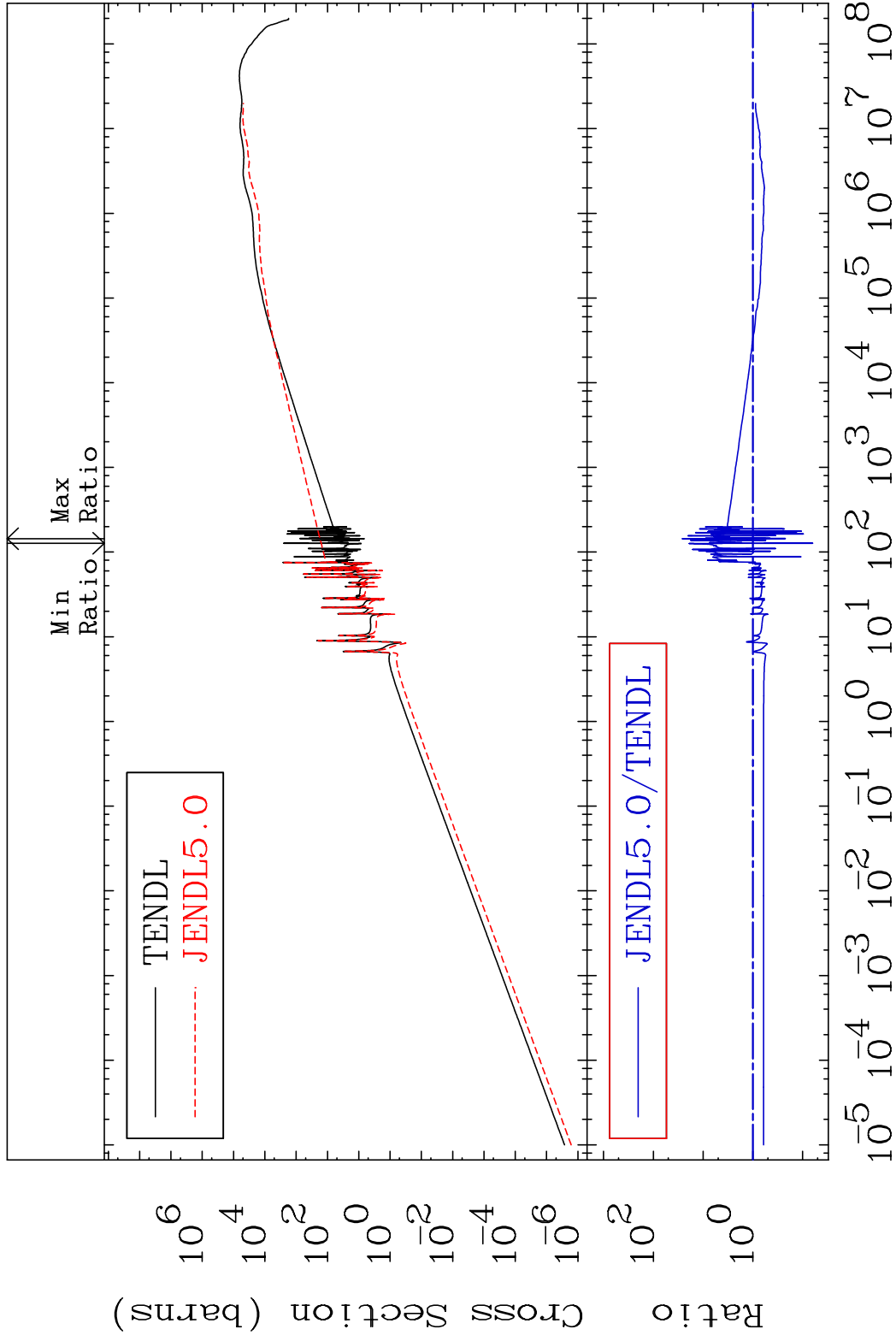
MAT 7640 Kerma total (eV-barns) 76-0s-189
 Cross Section -95.76 To 5960. %



MAT 7640

Kerma elastic
Cross Section

76-0s-189
-93.67 To 2514. %

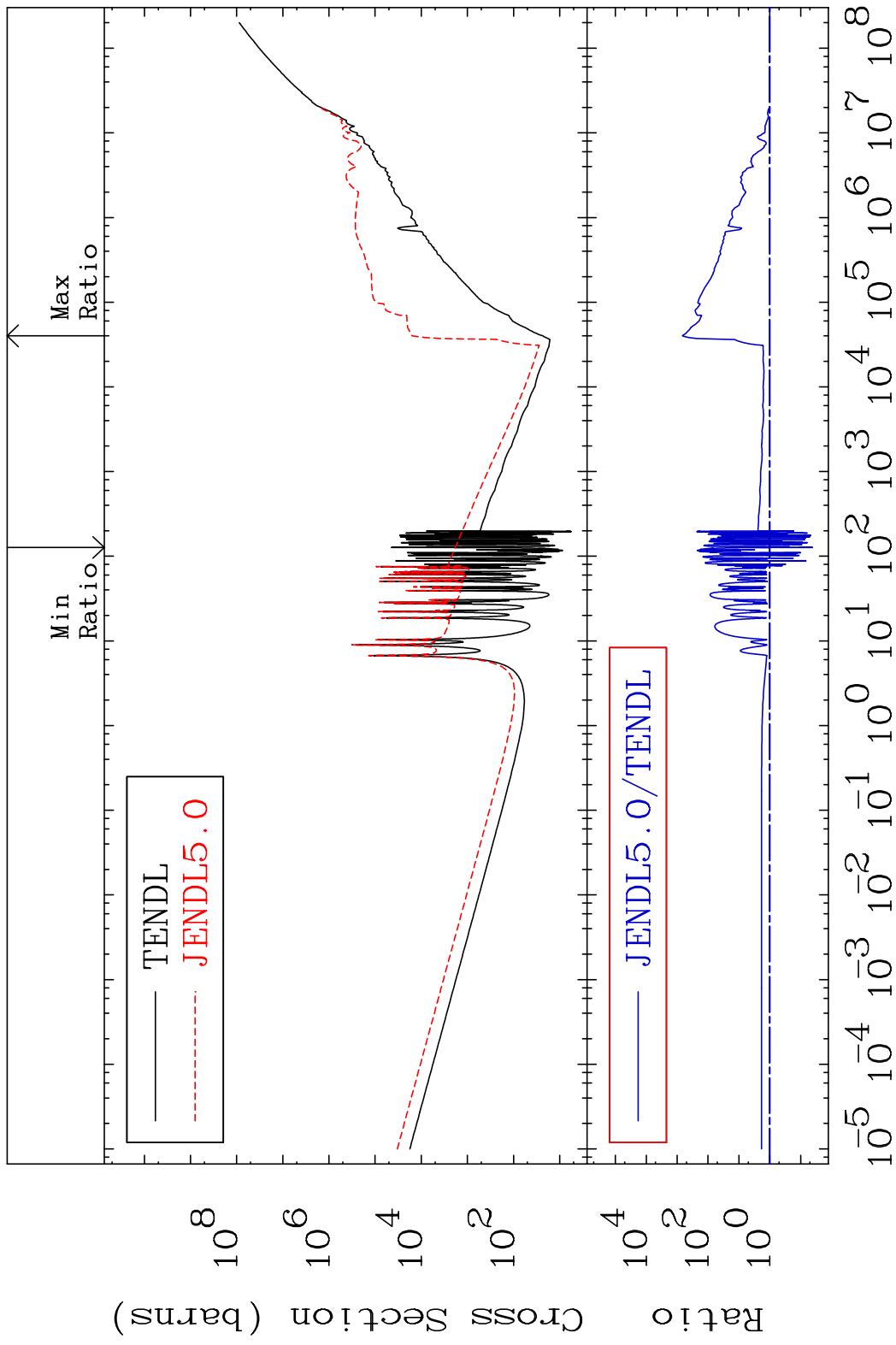


55

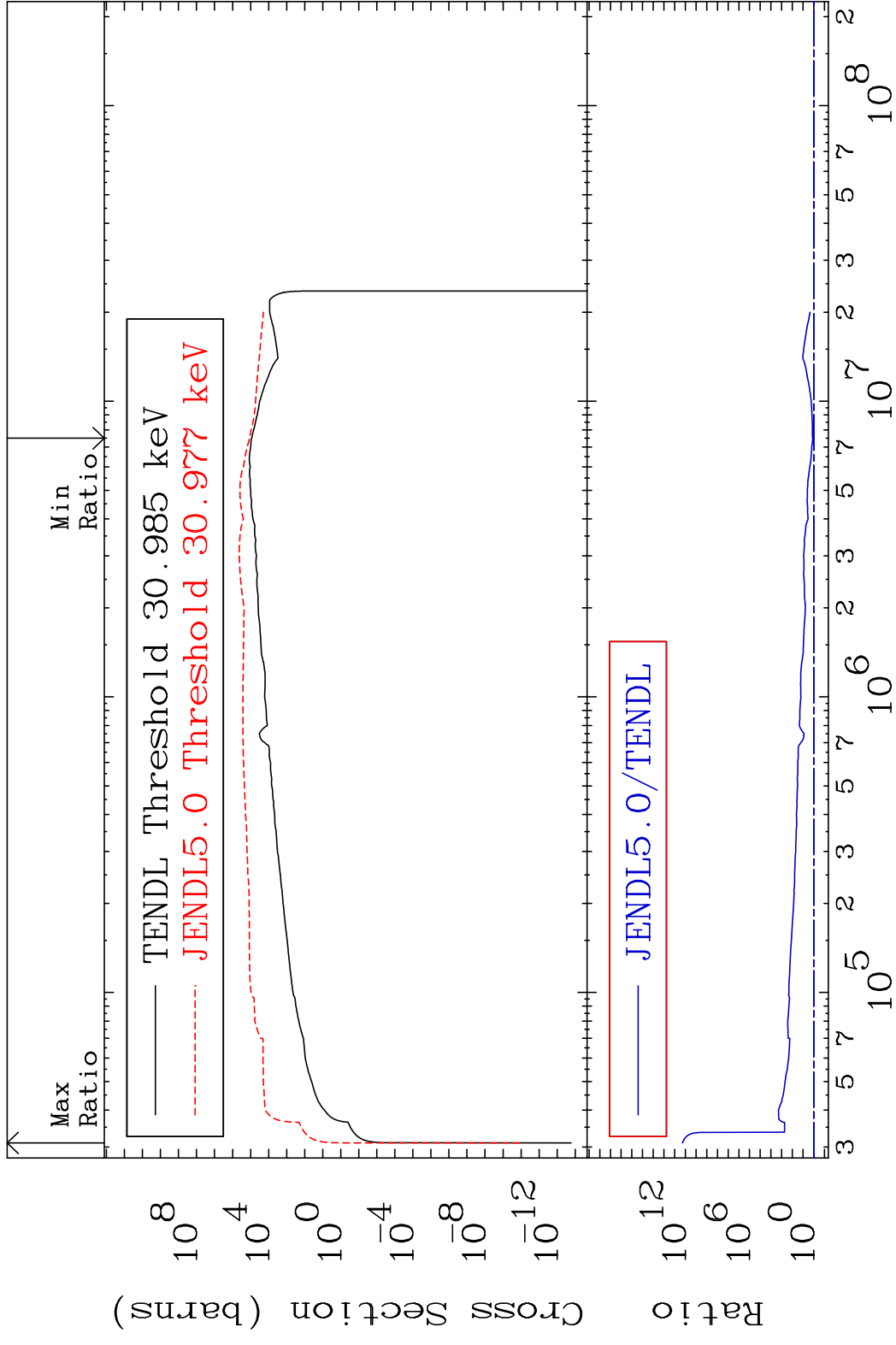
Incident Energy (eV)

76-0s-189

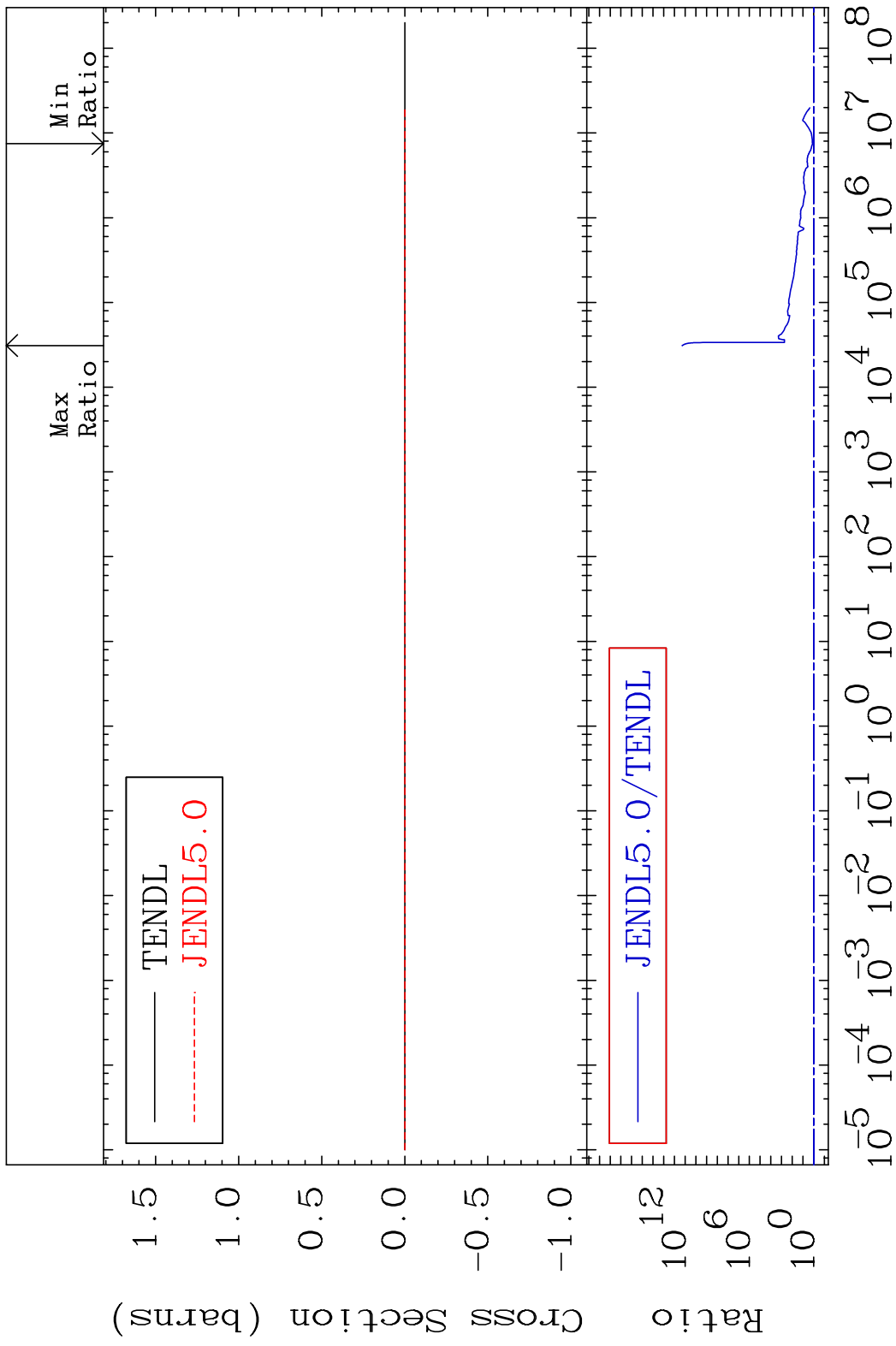
MAT 7640 Kerma non-elastic (all but mt2) 76-Os-189
 Cross Section -95.88 To 9999. %



MAT 7640 Kerma inelastic (mt51-91) 76-Os-189
 Cross Section 29.25 To 9999. %

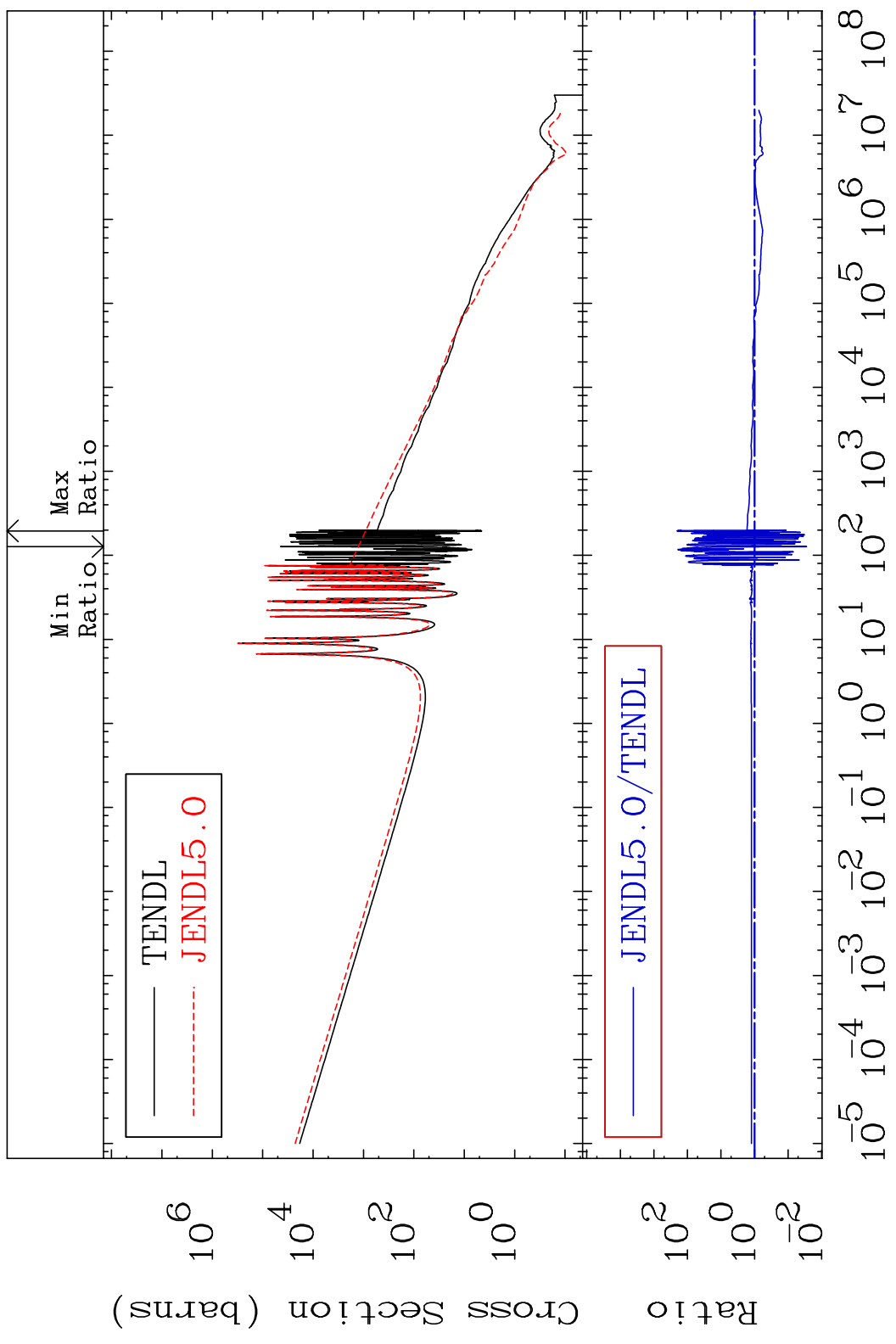


MAT 7640 Kerma fission (mt18 or mt19-20-21-38)76-0s-189
 Cross Section 29.25 To 9999. %

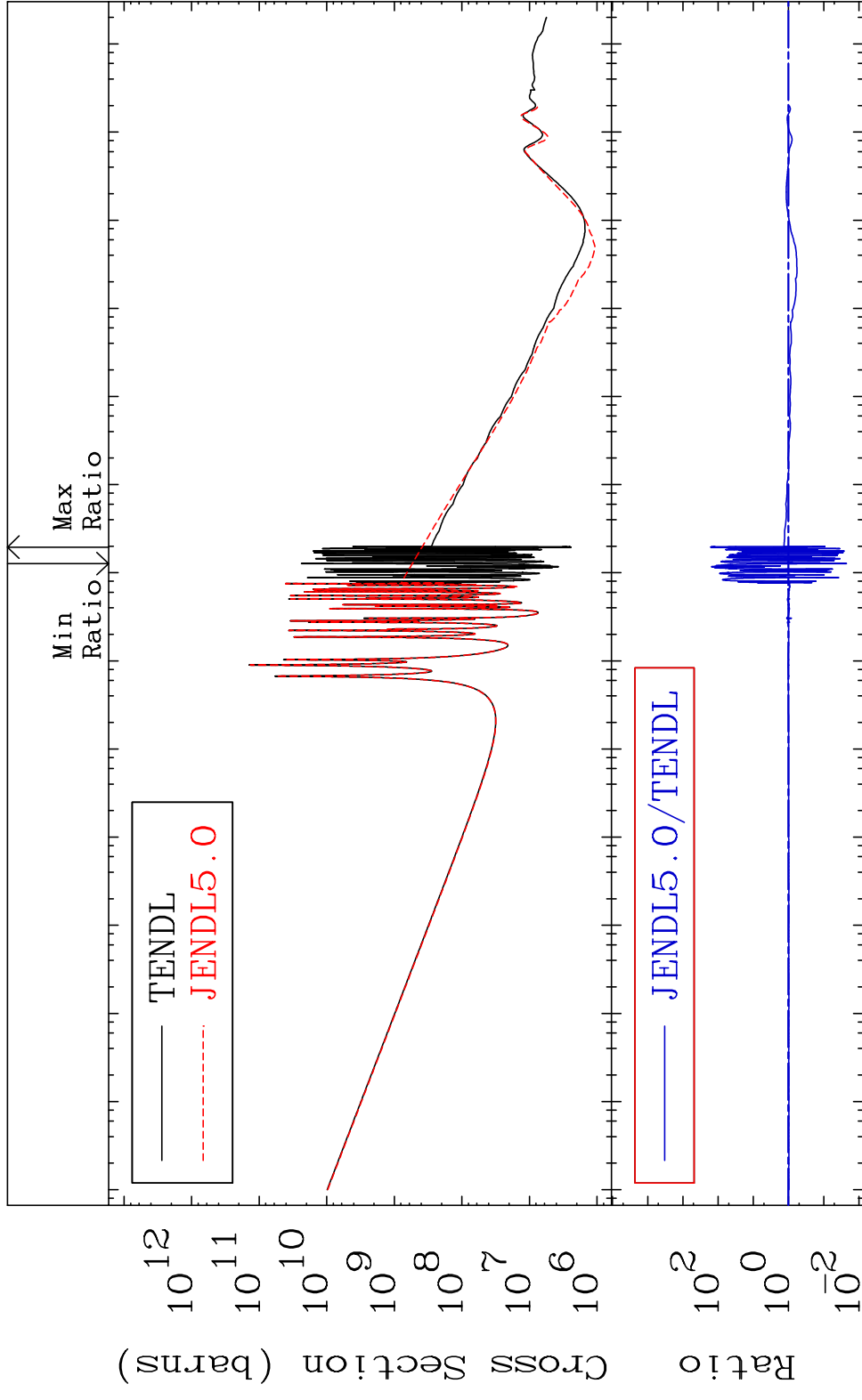


MAT 7640

Kerma capture (mt102) 76-0s-189
Cross Section -97.15 To 9999. %

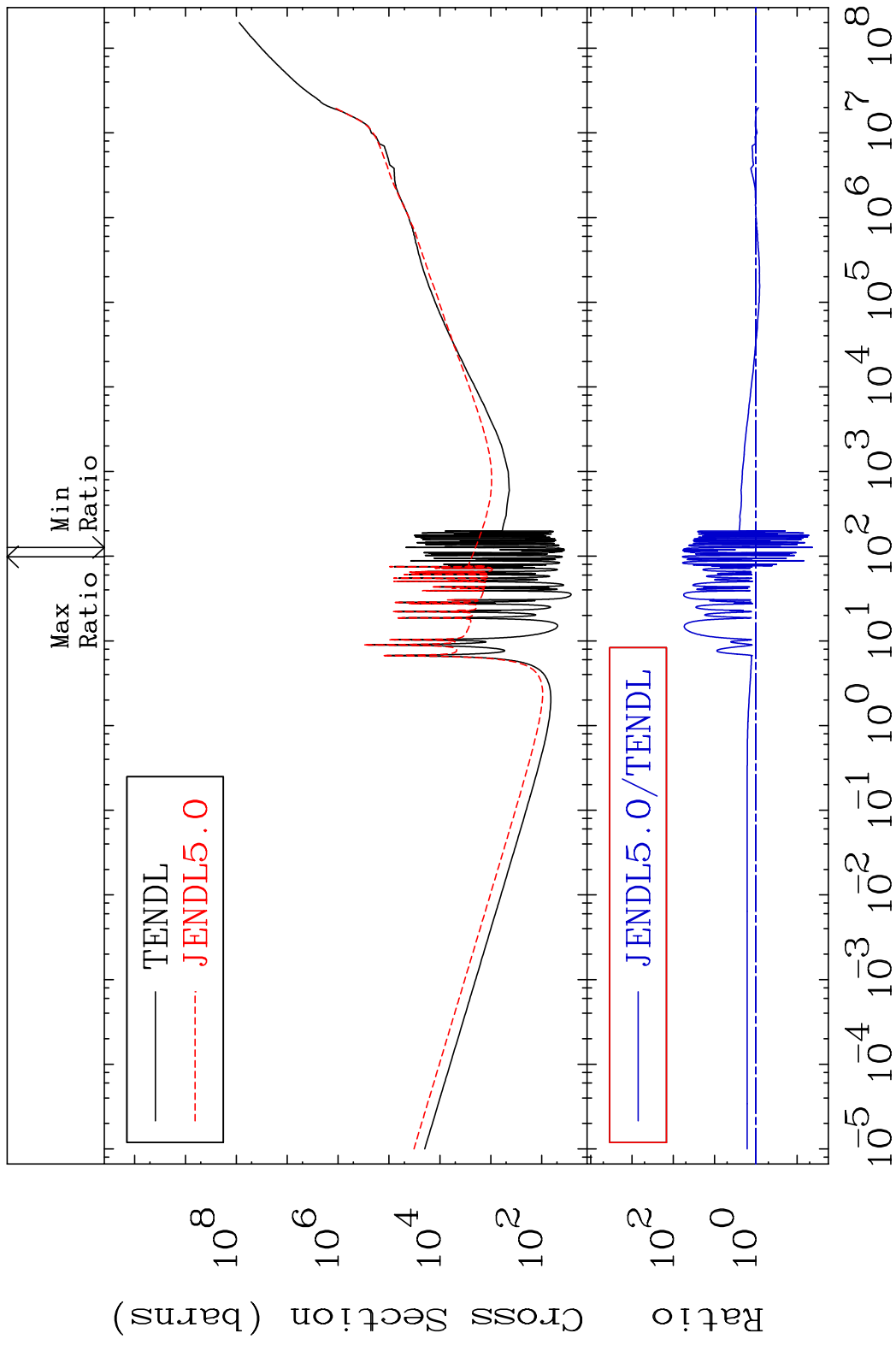


MAT 7640 Total photon (eV-barns) 76-0s-189
 Cross Section -97.72 To 9999. %



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

MAT 7640 Total kinematic kerma (high limit) 76-Os-189
 Cross Section -95.77 To 5947. %

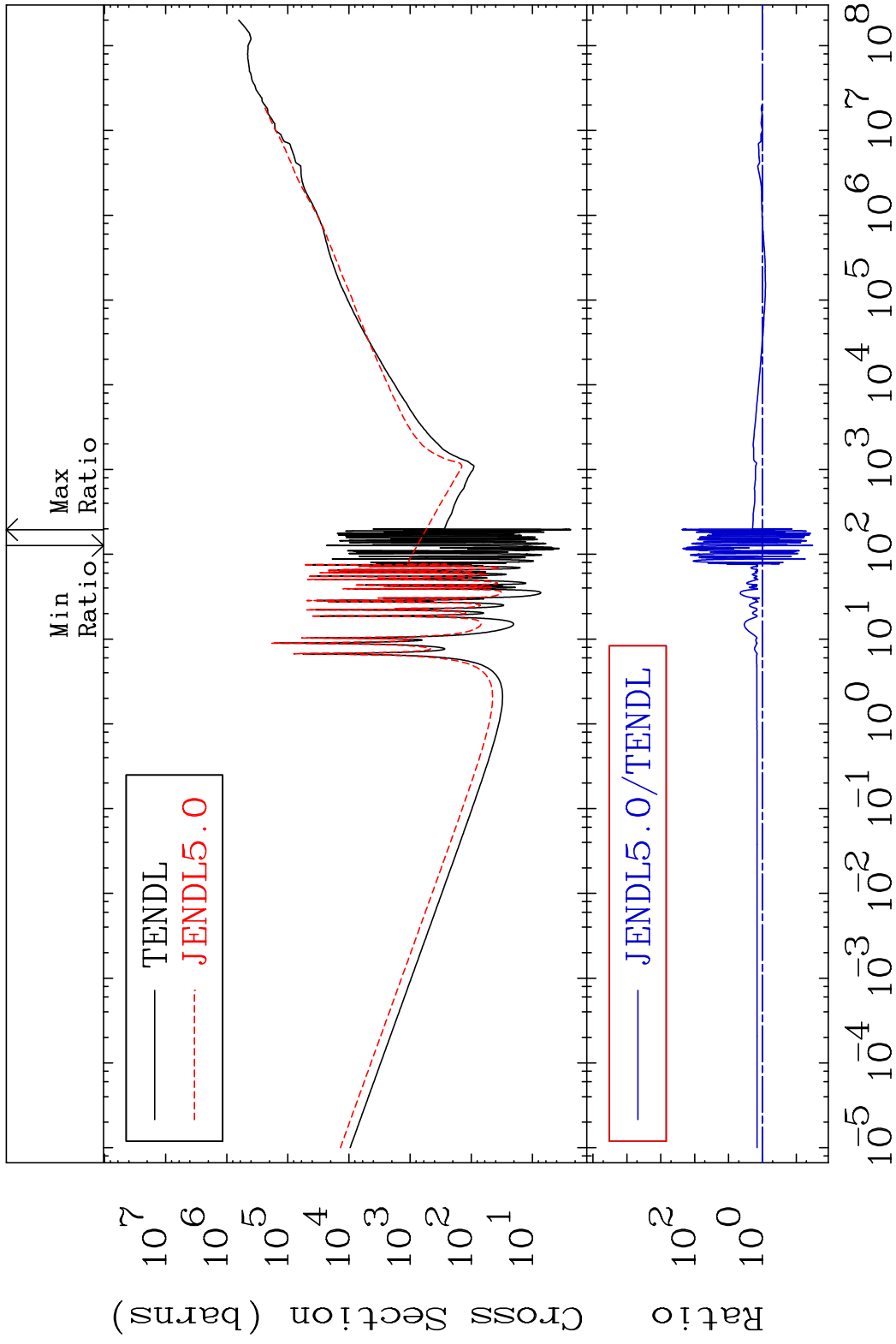


MAT 7640

Dpa total (eV-barns)

76-0s-189

Cross Section -96.68 To 9999. %



62

Incident Energy (eV)

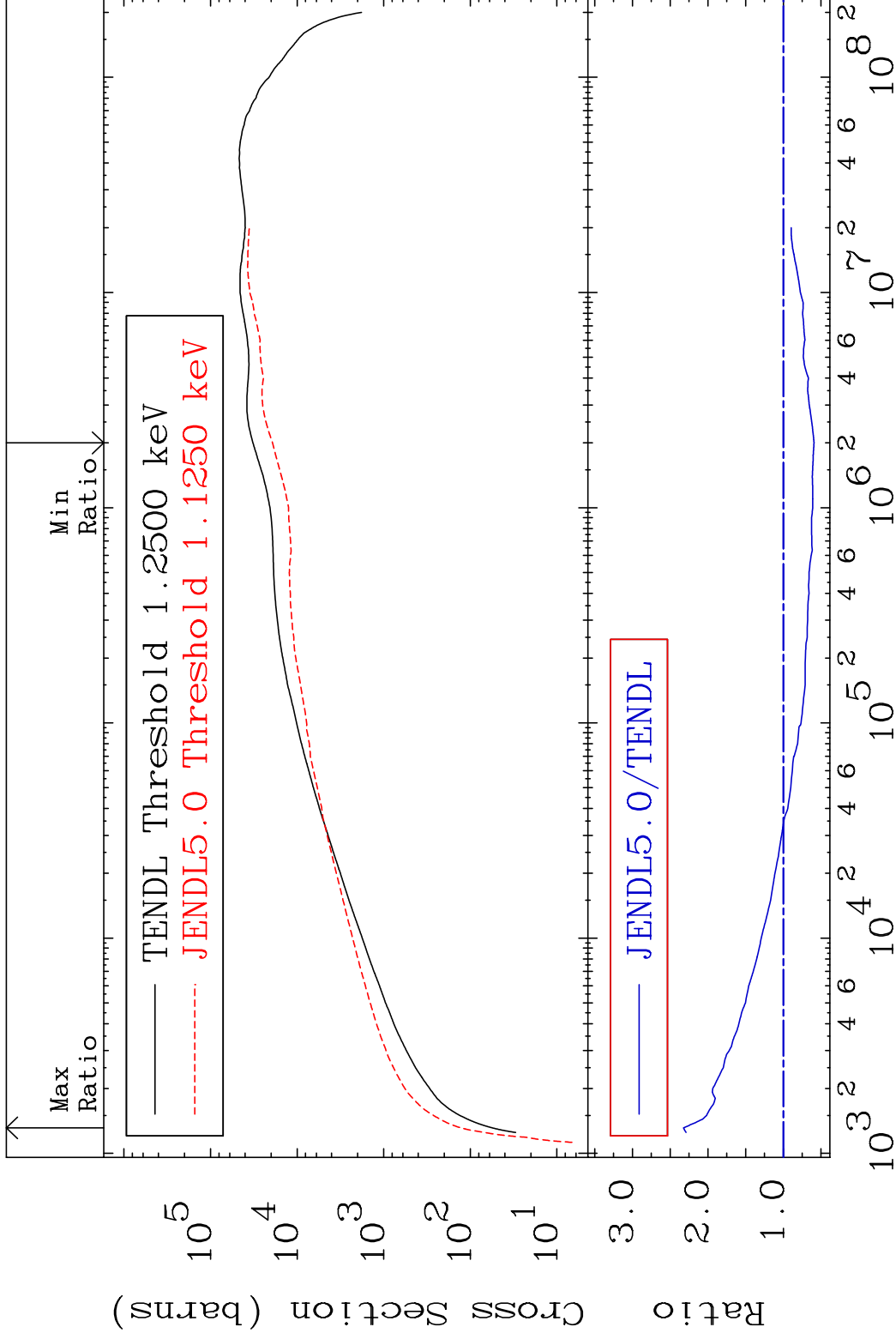
76-0s-189

MAT 7640

Dpa elastic (mt2)

76-0s-189

Cross Section -40.70 To 132.3 %

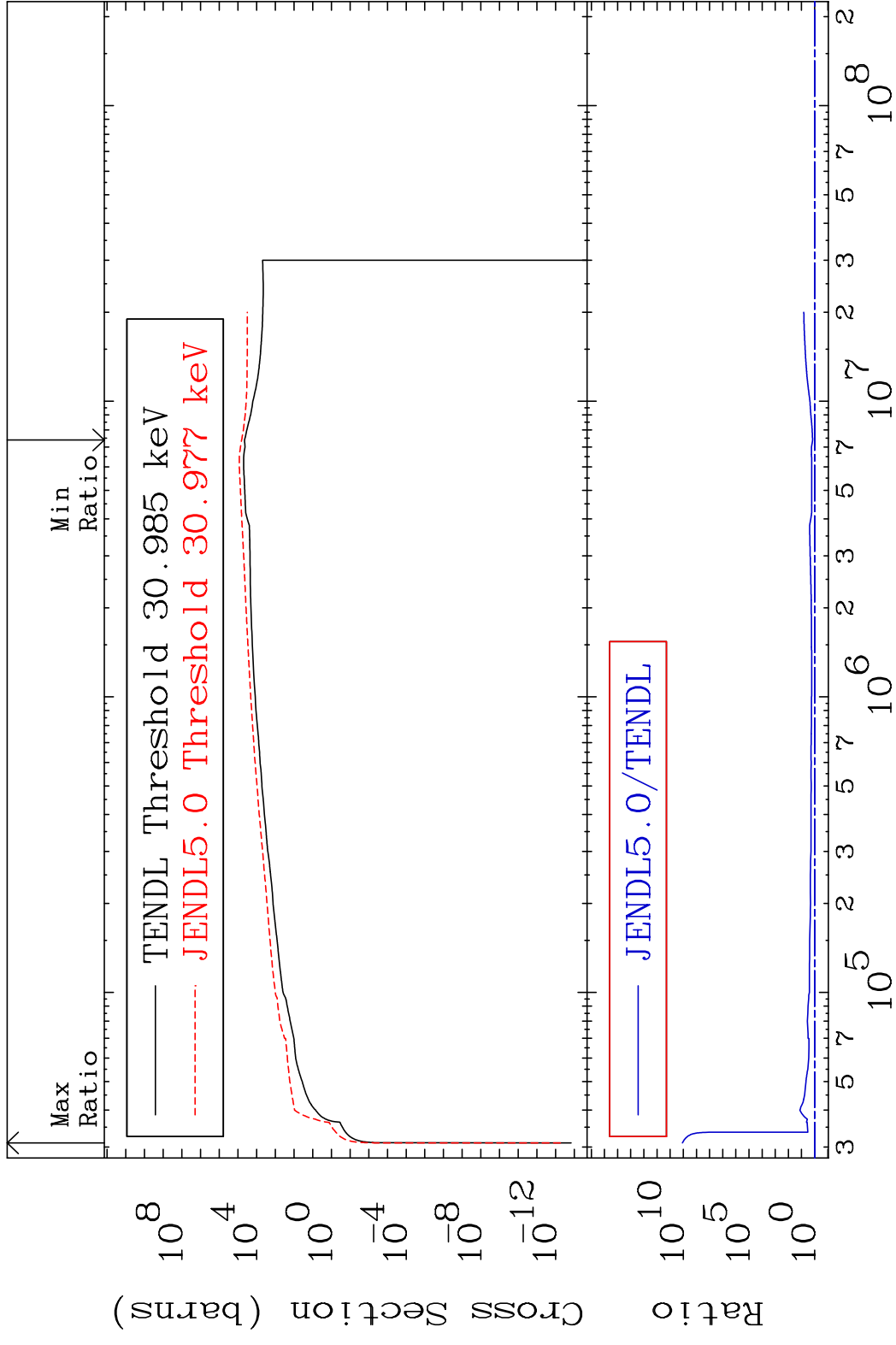


63

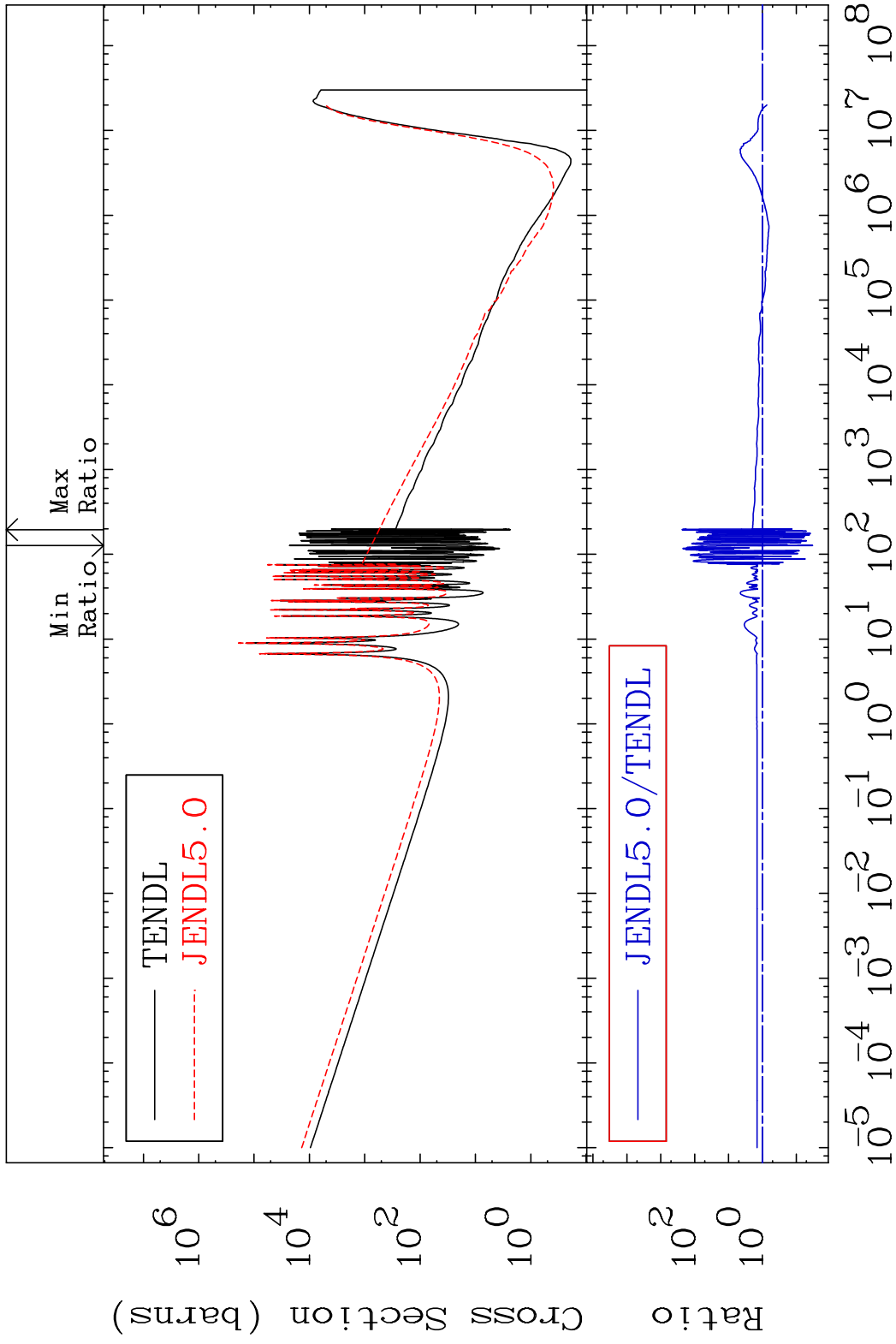
Incident Energy (eV)

76-0s-189

MAT 7640 Dpa inelastic (mt51-91) 76-0s-189
 Cross Section 44.95 To 9999. %



MAT 7640 Dpa disappearance (mt102 -120) 76-0s-189
 Cross Section -96.68 To 9999. %

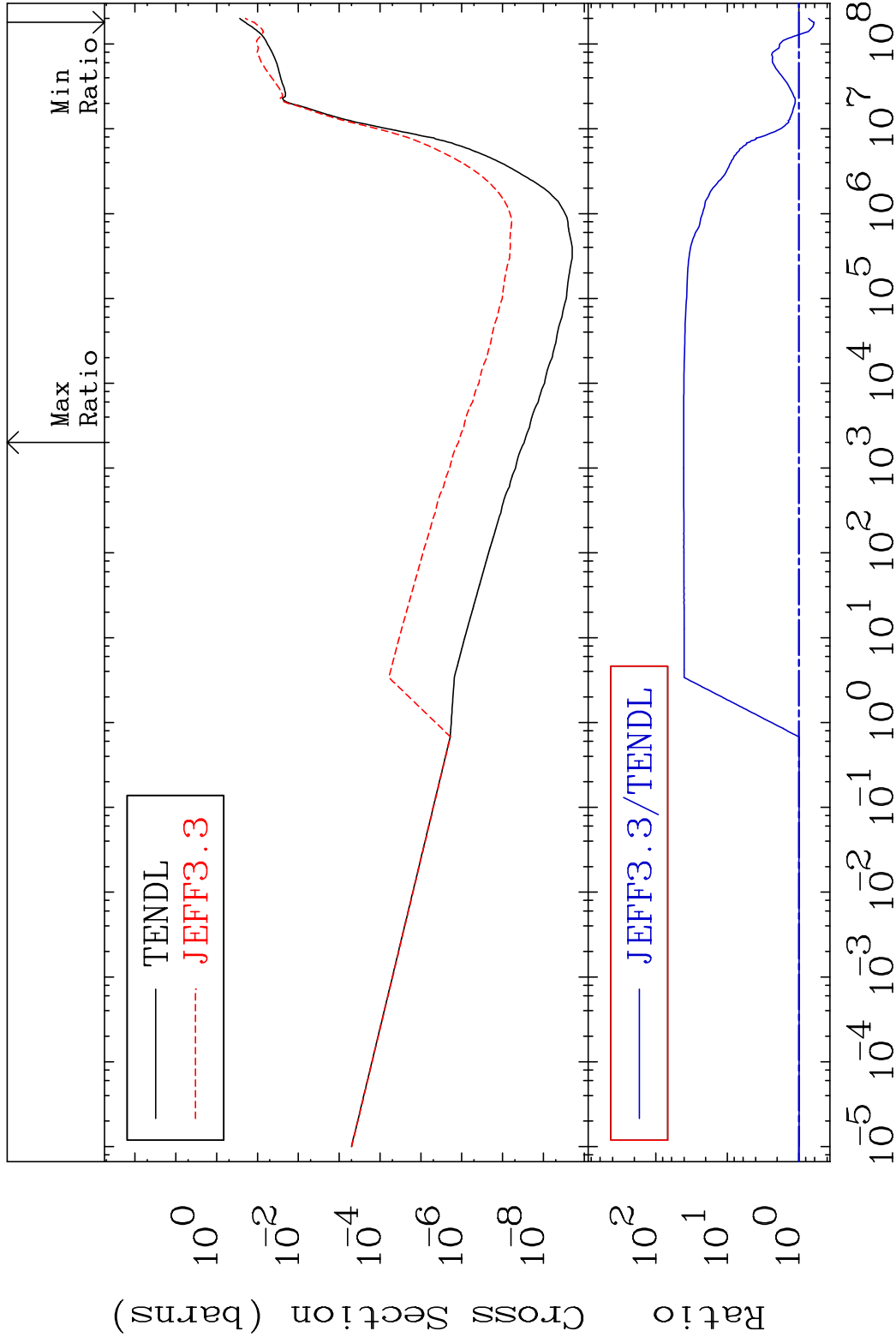


MAT 7640

He-4 Production

76-0s-189

Cross Section -39.02 To 3972. %



66

Incident Energy (eV)

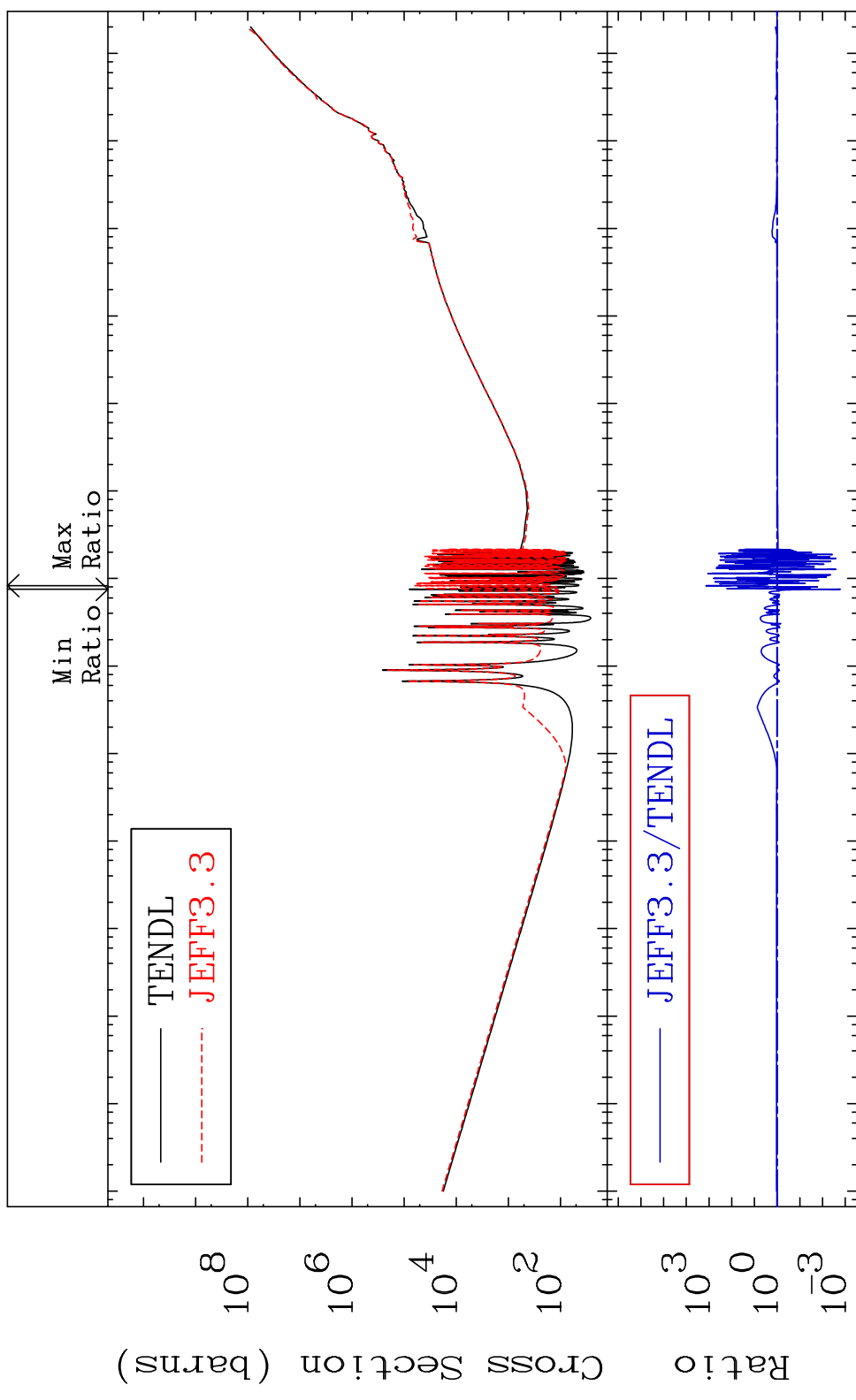
76-0s-189

MAT 7640

Kerma total (eV-barns)

76-0s-189

Cross Section -99.84 To 9999. %



67

Incident Energy (eV)

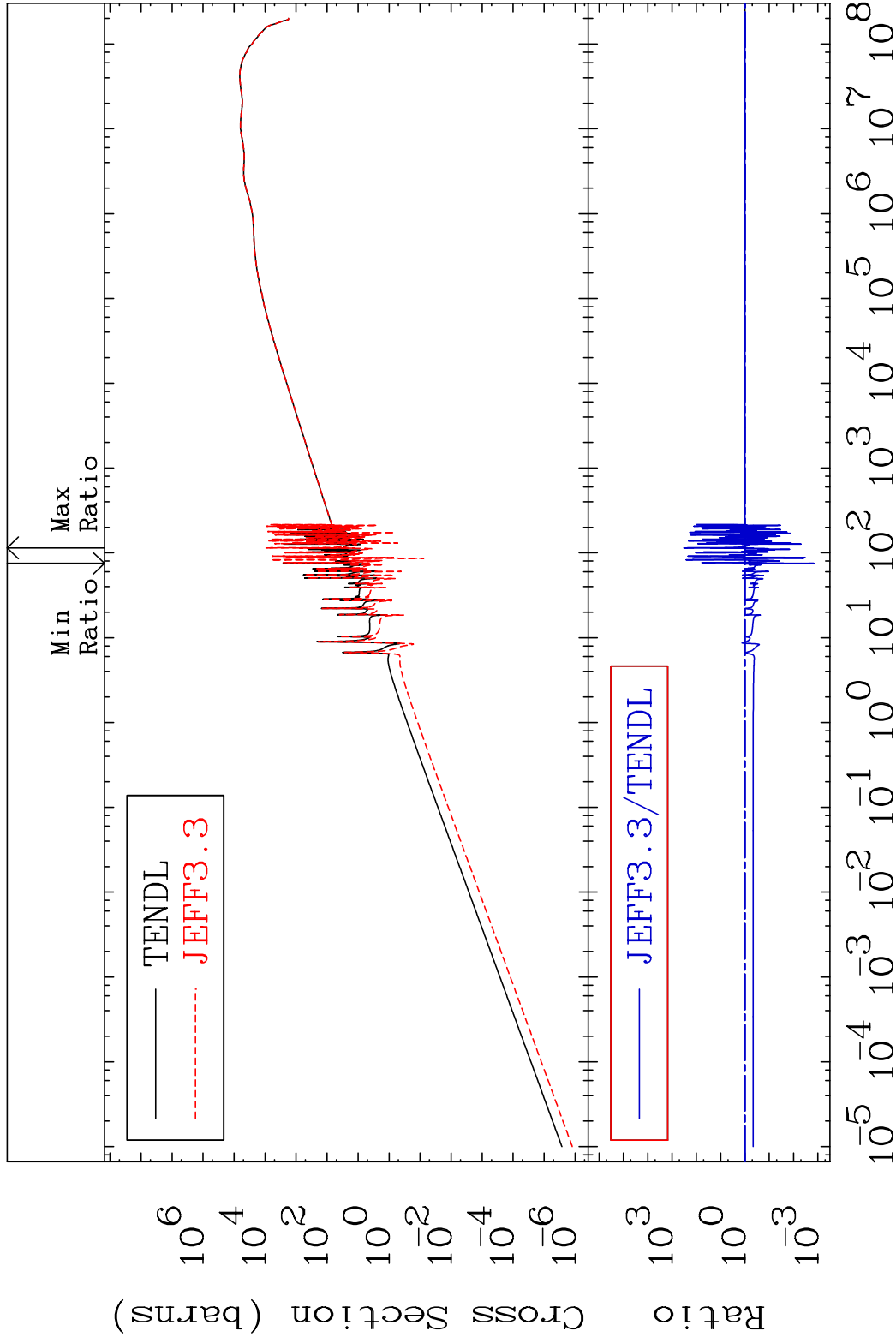
76-0s-189

MAT 7640

Kerma elastic

76-0s-189

Cross Section -99.86 To 9999. %

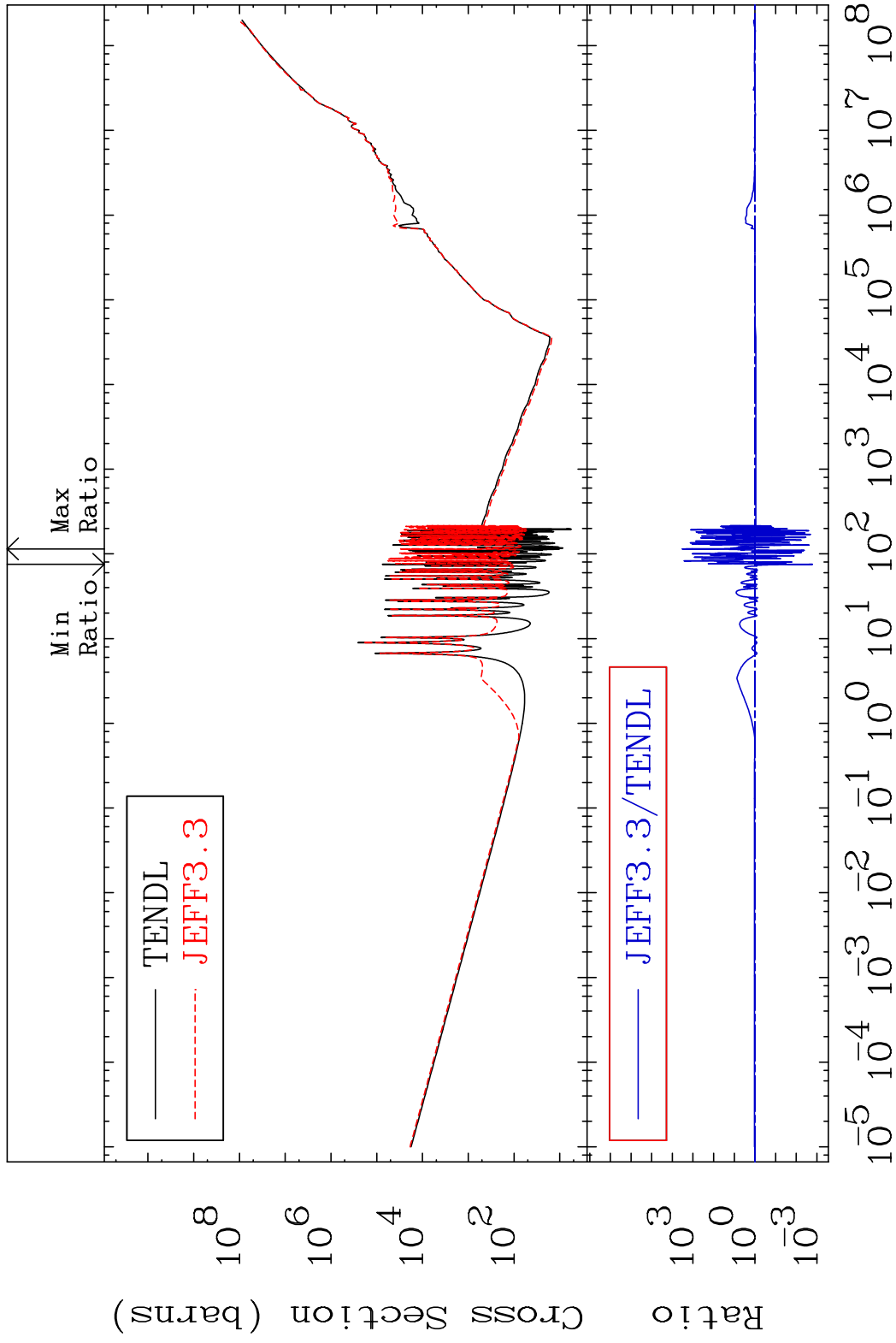


68

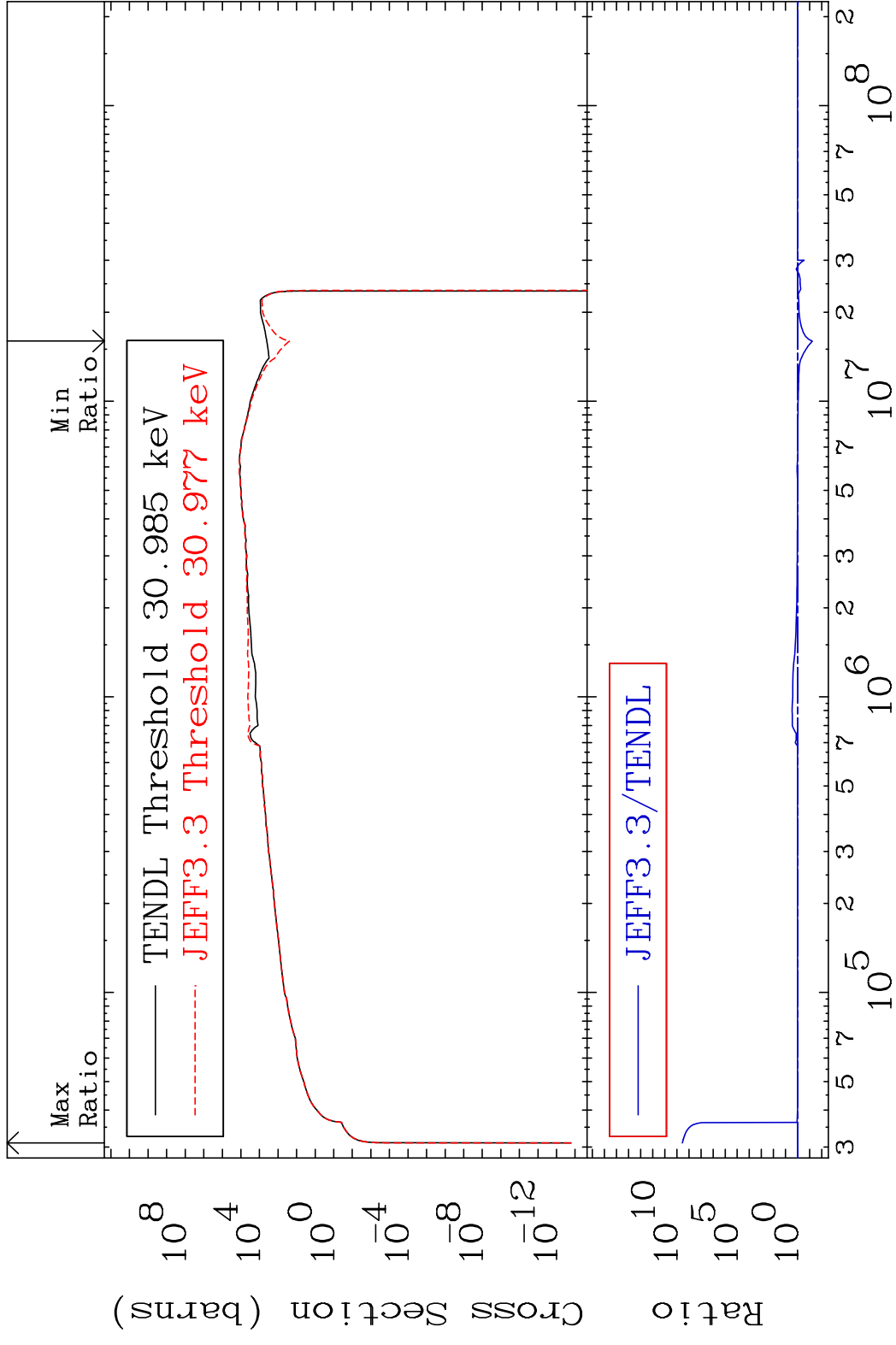
Incident Energy (eV)

76-0s-189

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

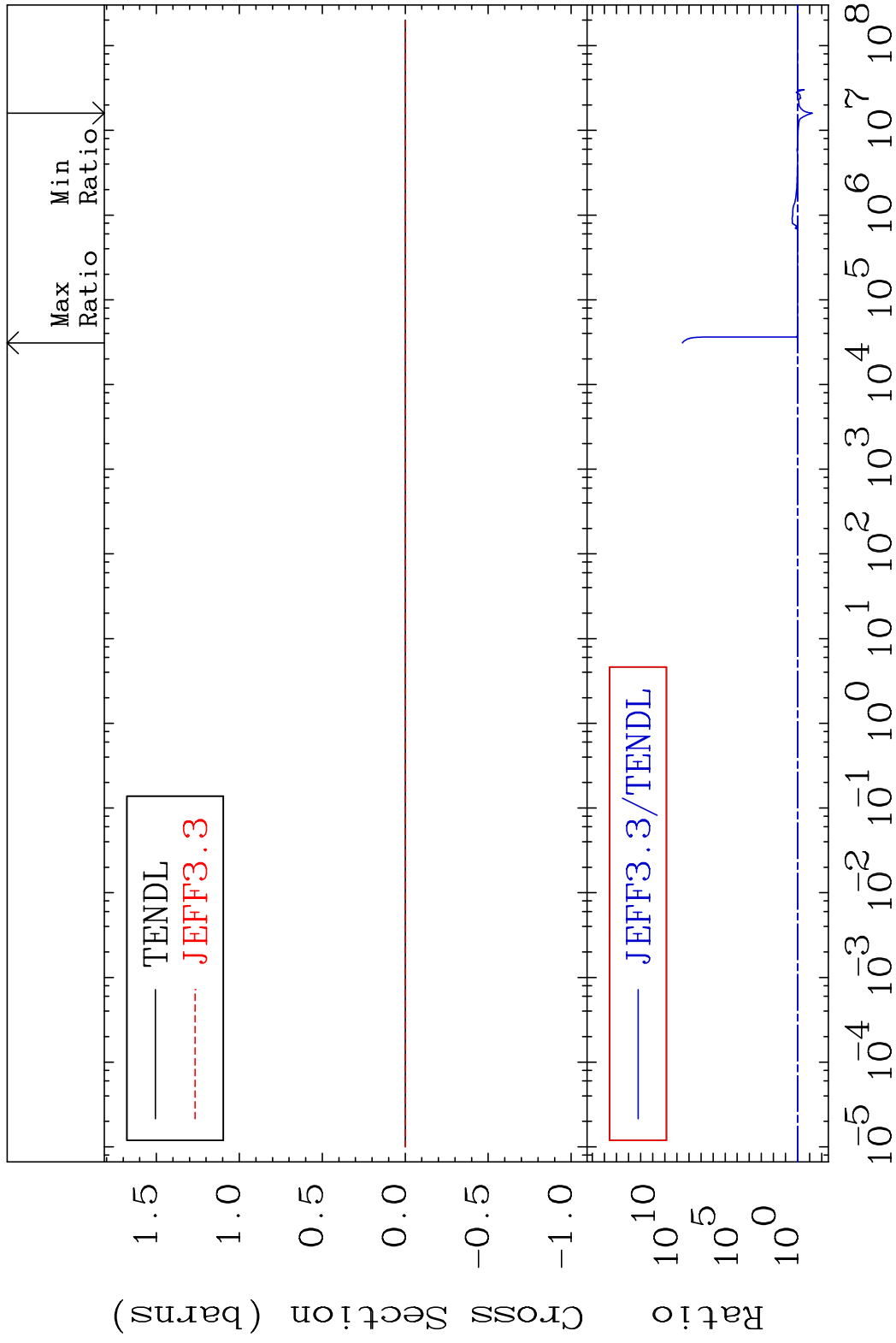


MAT 7640 Kerma inelastic (mt51-91) 76-Os-189
 Cross Section -94.25 To 9999. %



70 Incident Energy (eV) 76-Os-189

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

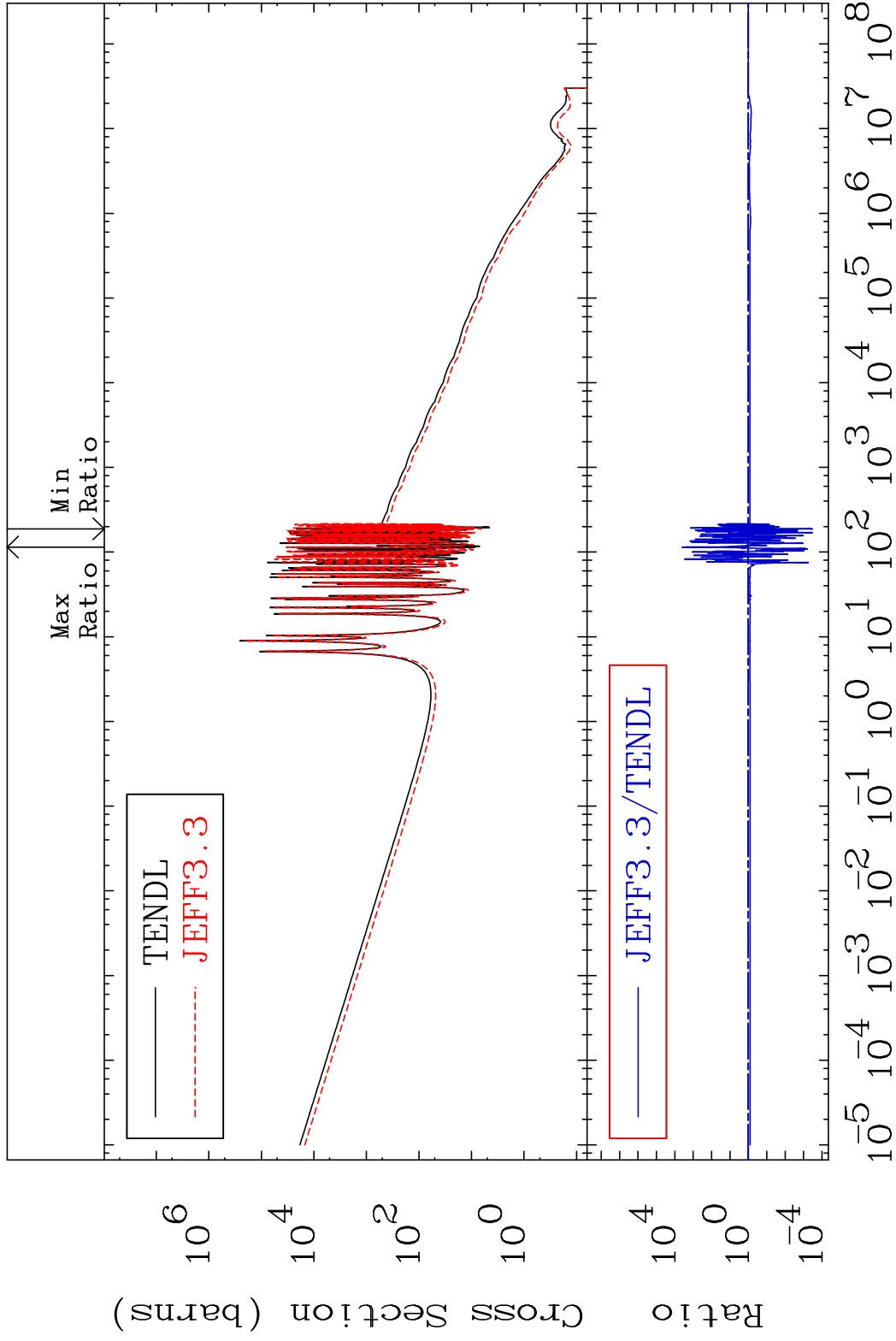


MAT 7640

Kerma capture (mt102)

76-0s-189

Cross Section -99.97 To 9999. %

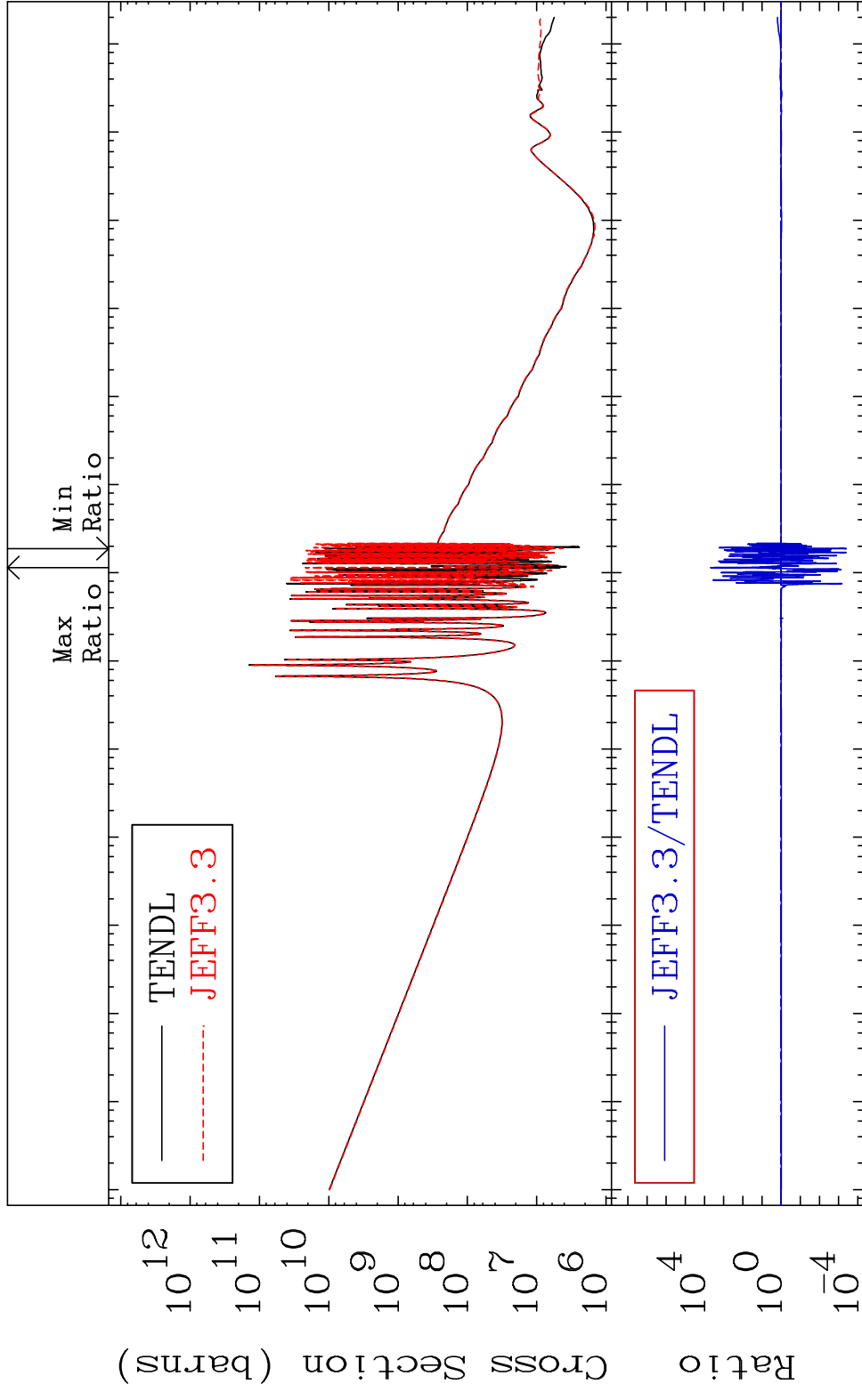


72

Incident Energy (eV)

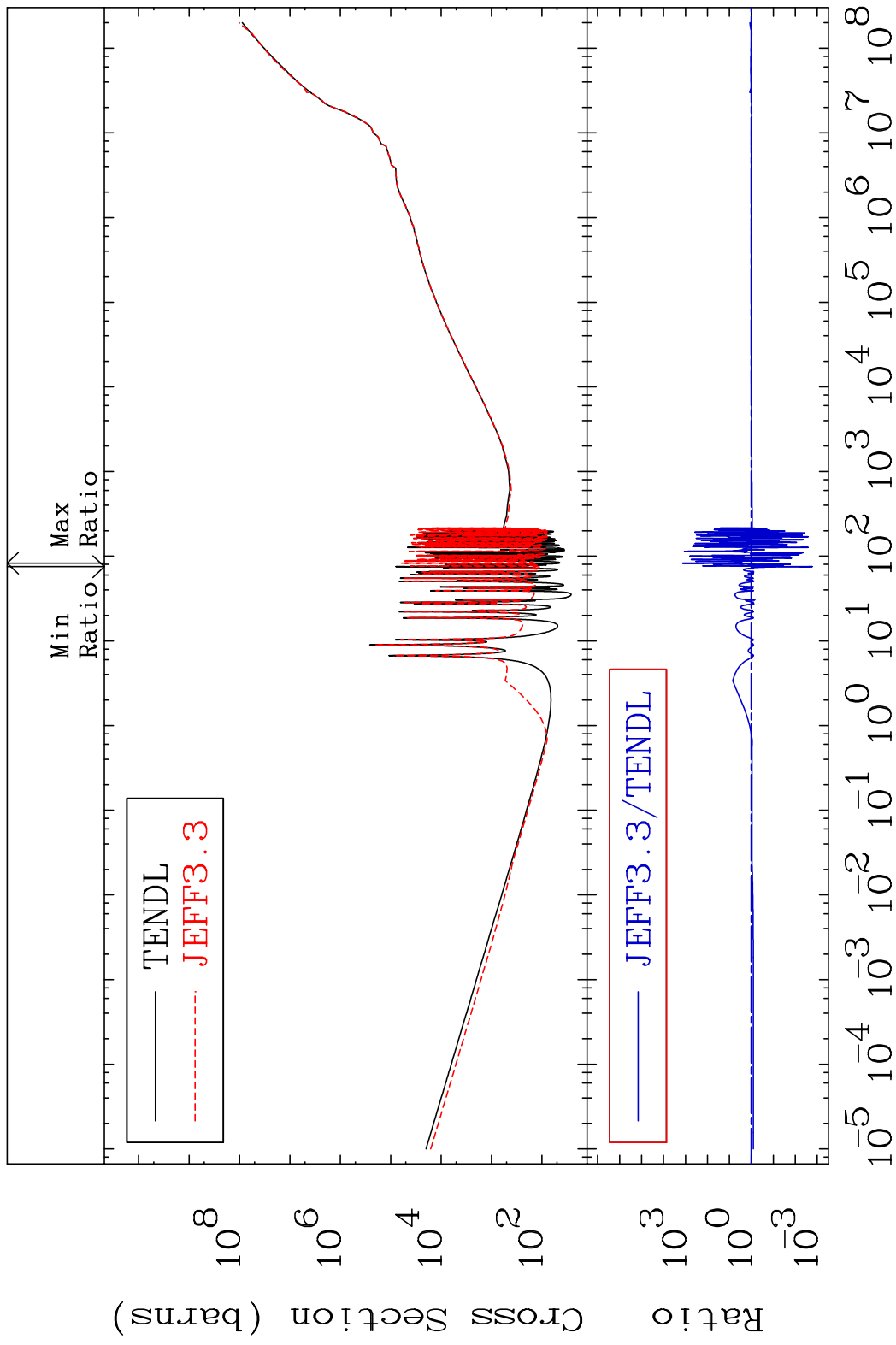
76-0s-189

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. %

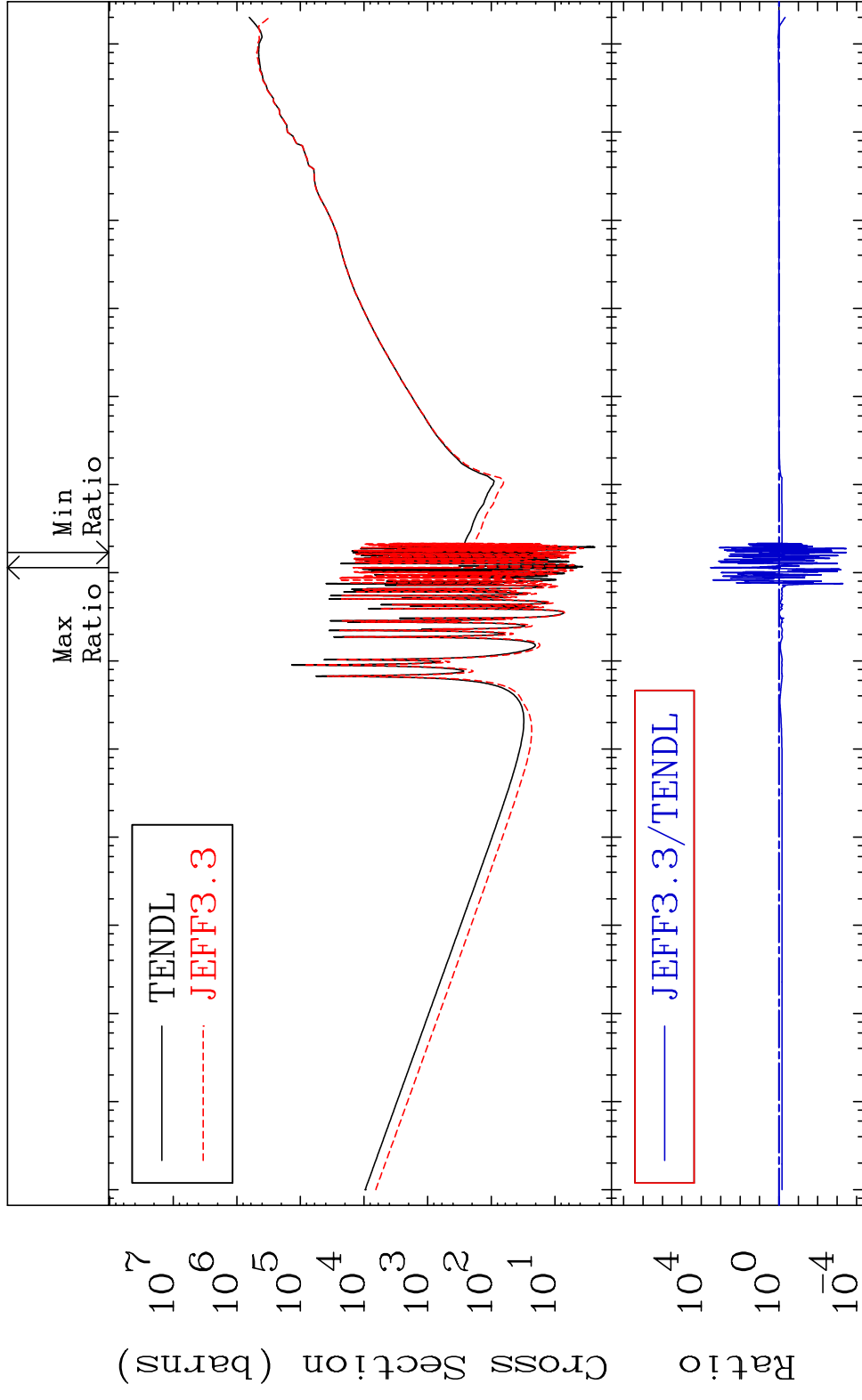


MAT 7640

Dpa total (eV-barns)

76-0s-189

Cross Section -99.97 To 9999. %



75

Incident Energy (eV)

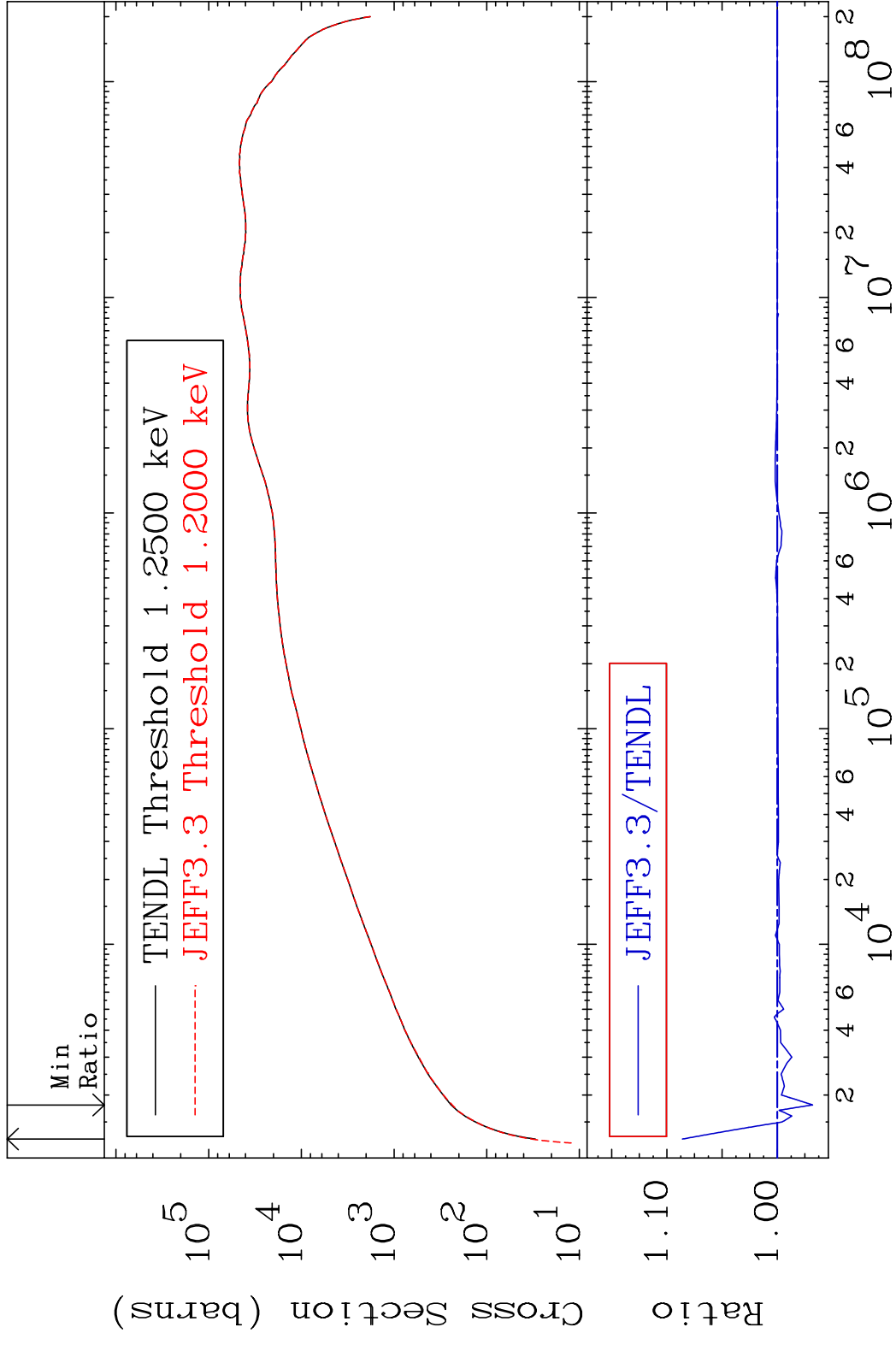
76-0s-189

MAT 7640

Dpa elastic (mt2)

76-0s-189

Cross Section -3.194 To 8.600 %



76

Incident Energy (eV)

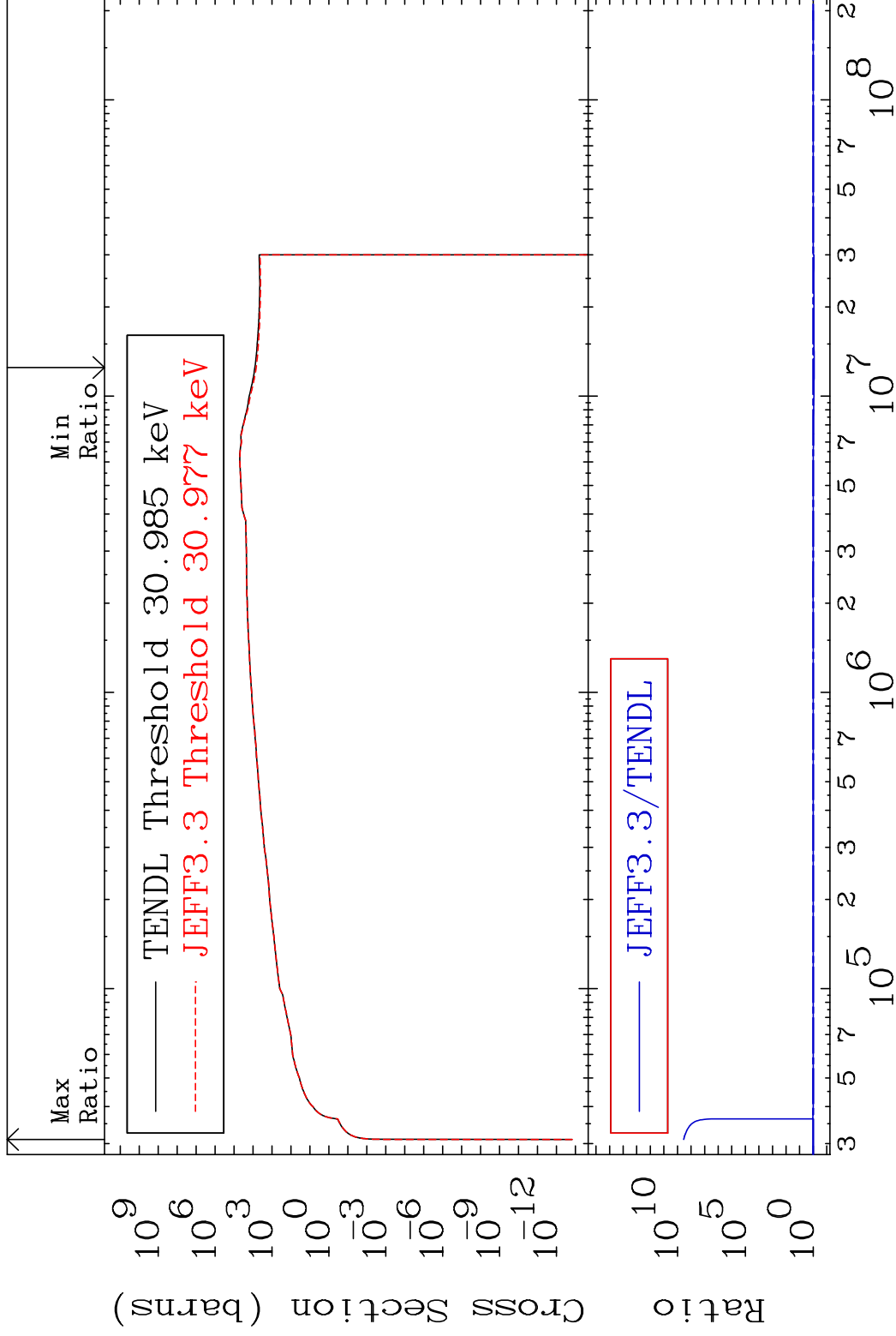
76-0s-189

MAT 7640

Dpa inelastic (mt51-91)

76-0s-189

Cross Section -14.12 To 9999. %

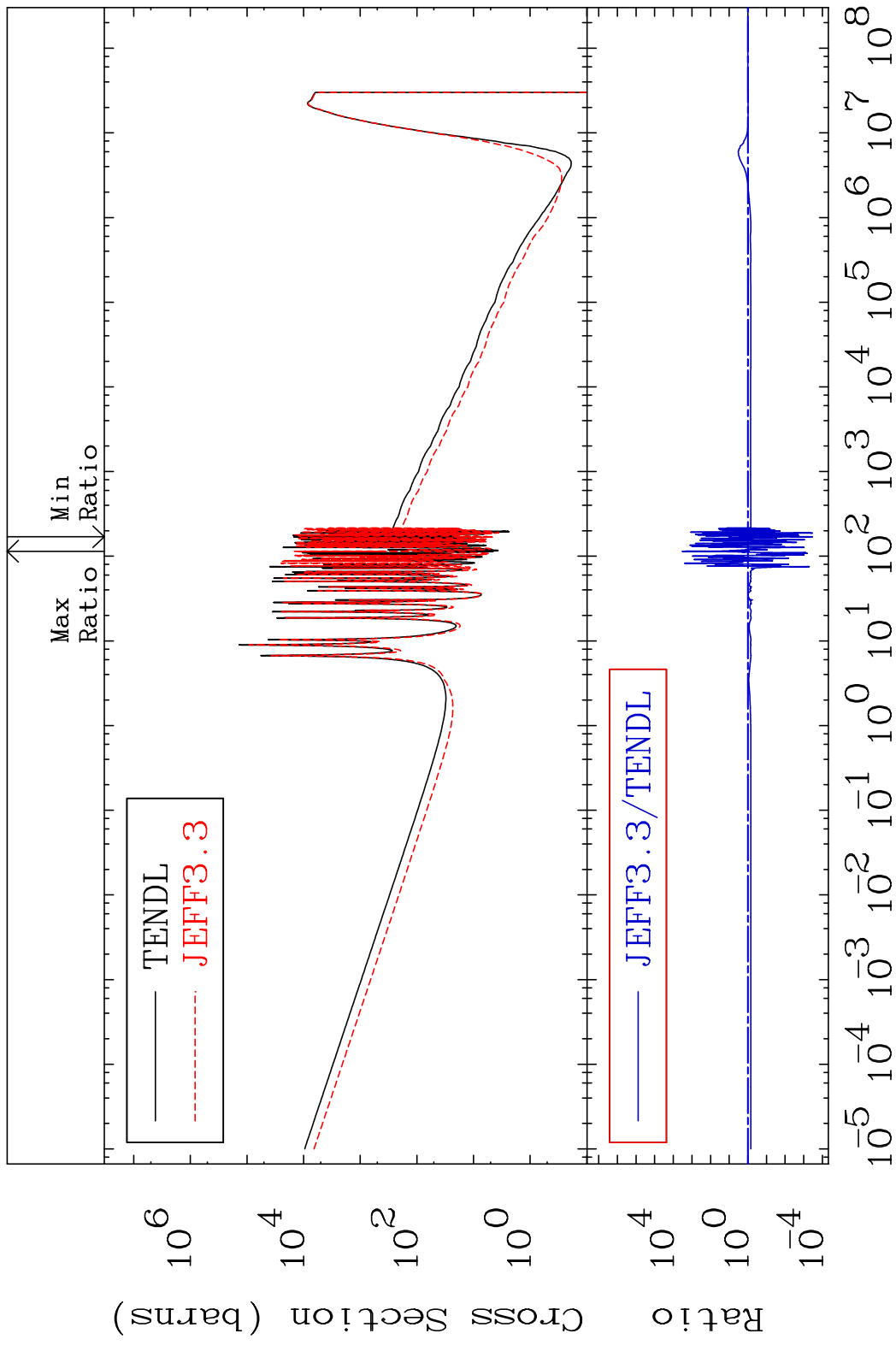


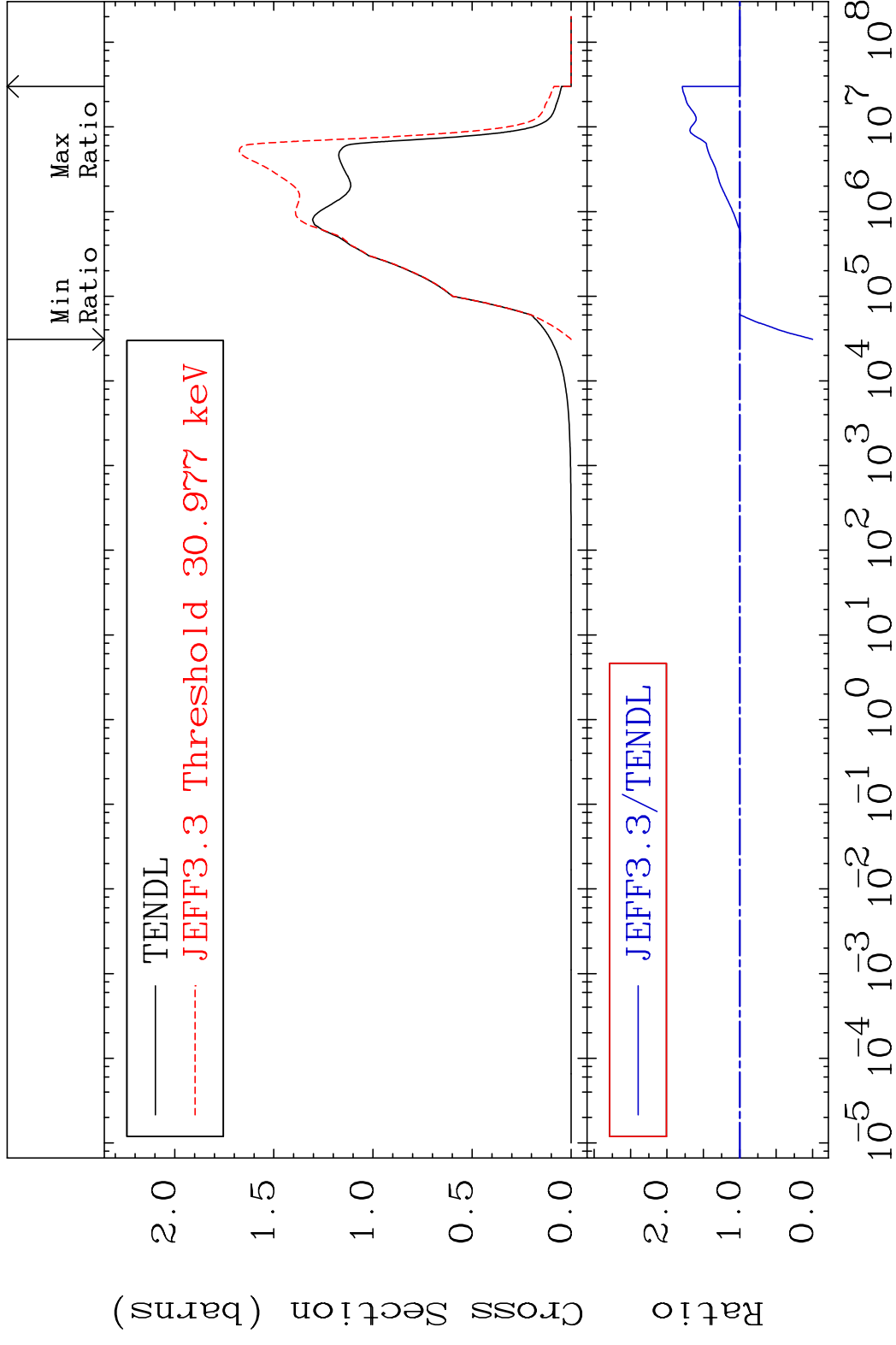
77

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 56.22 dno 1.540 %

