

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

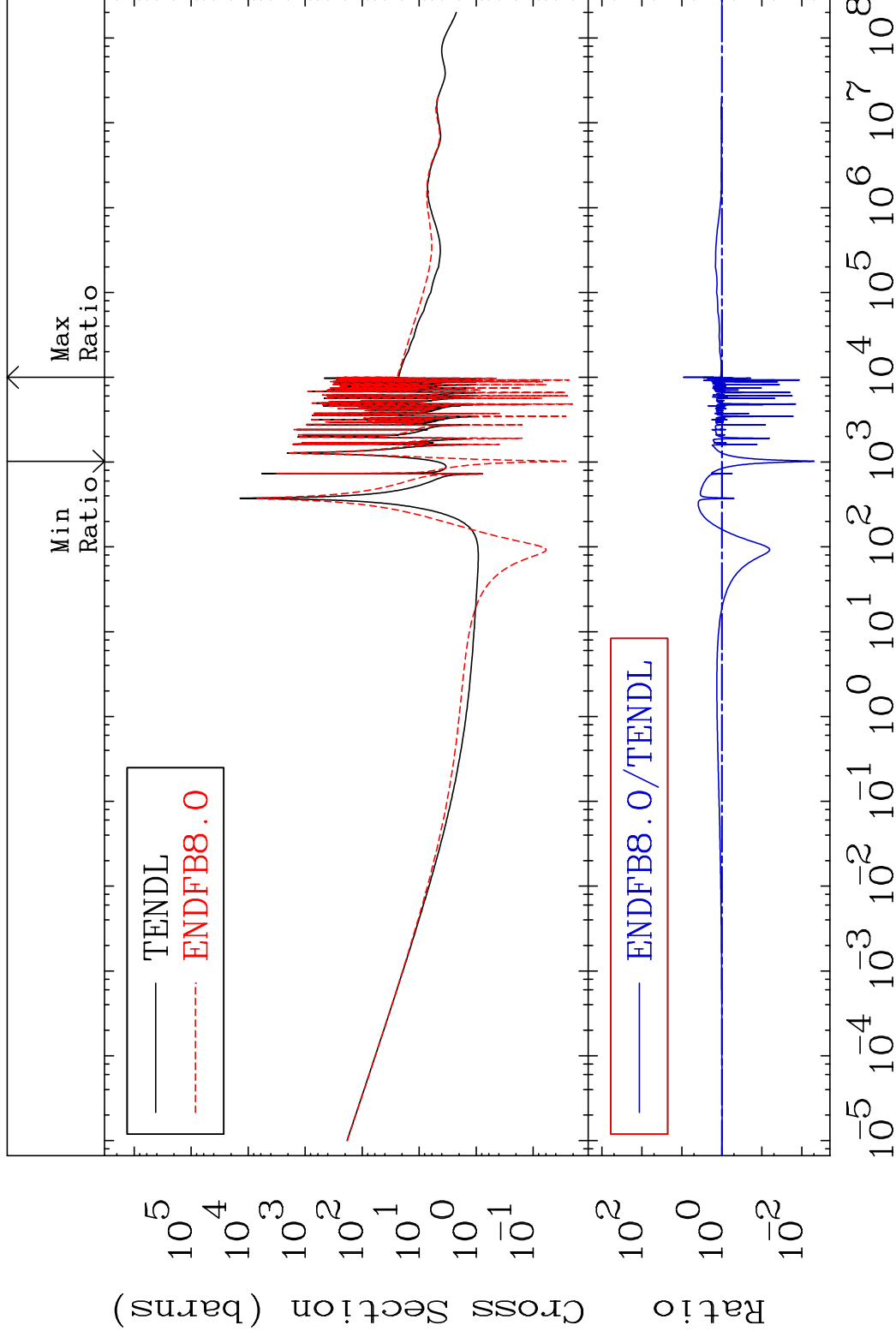
MAT 6031

Total

60-Nd-144

Cross Section

-99.51 To 803.2 %



1

Incident Energy (eV)

60-Nd-144

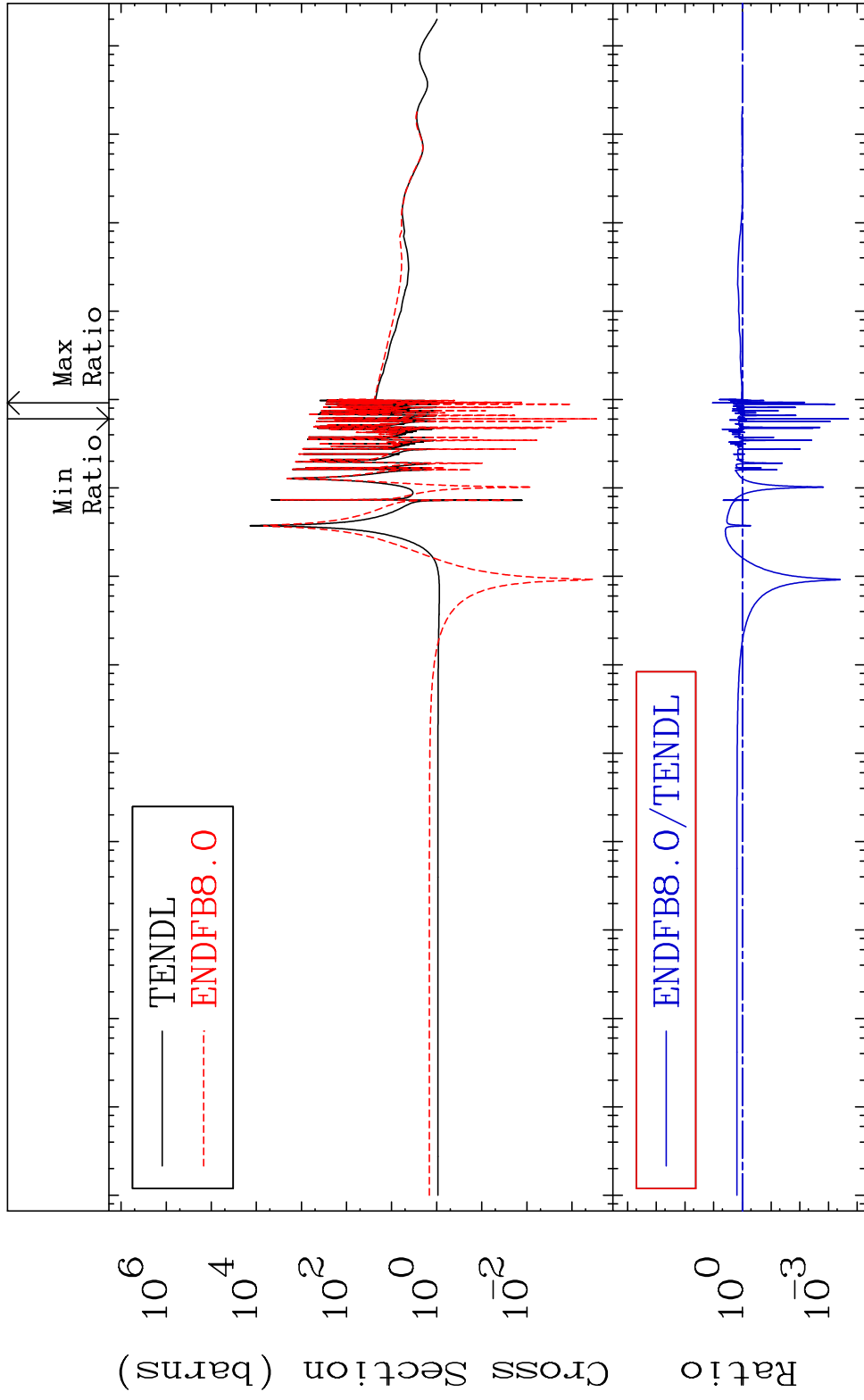
MAT 6031

Elastic

60-Nd-144

Cross Section

-99.98 To 1012. %

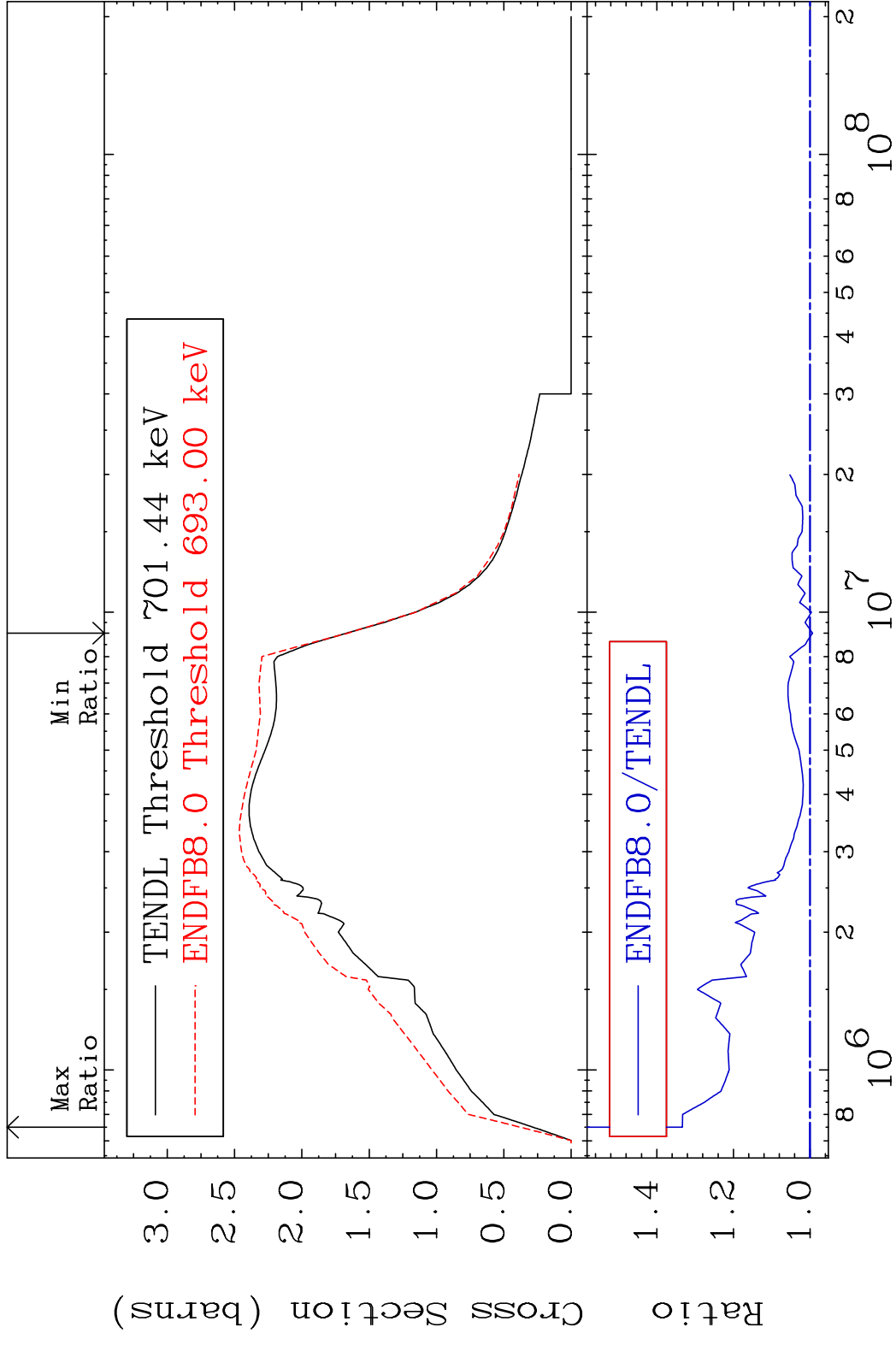


2

Incident Energy (eV)

60-Nd-144

MAT 6031 Inelastic 60-Nd-144
 Cross Section -0.666 To 33.33 %



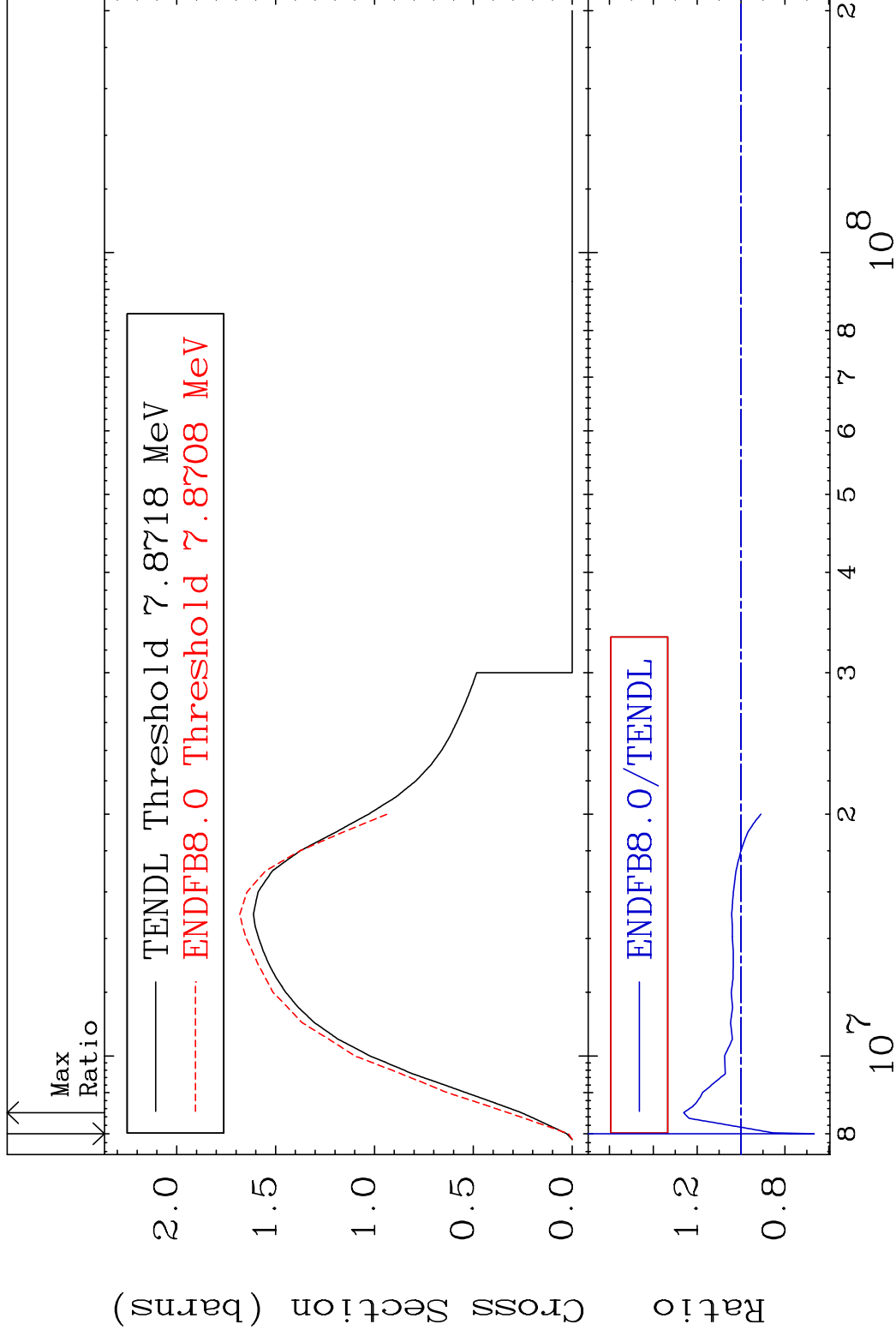
3 Incident Energy (eV) 60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section -33.29 To 26.15 %



4

Incident Energy (eV)

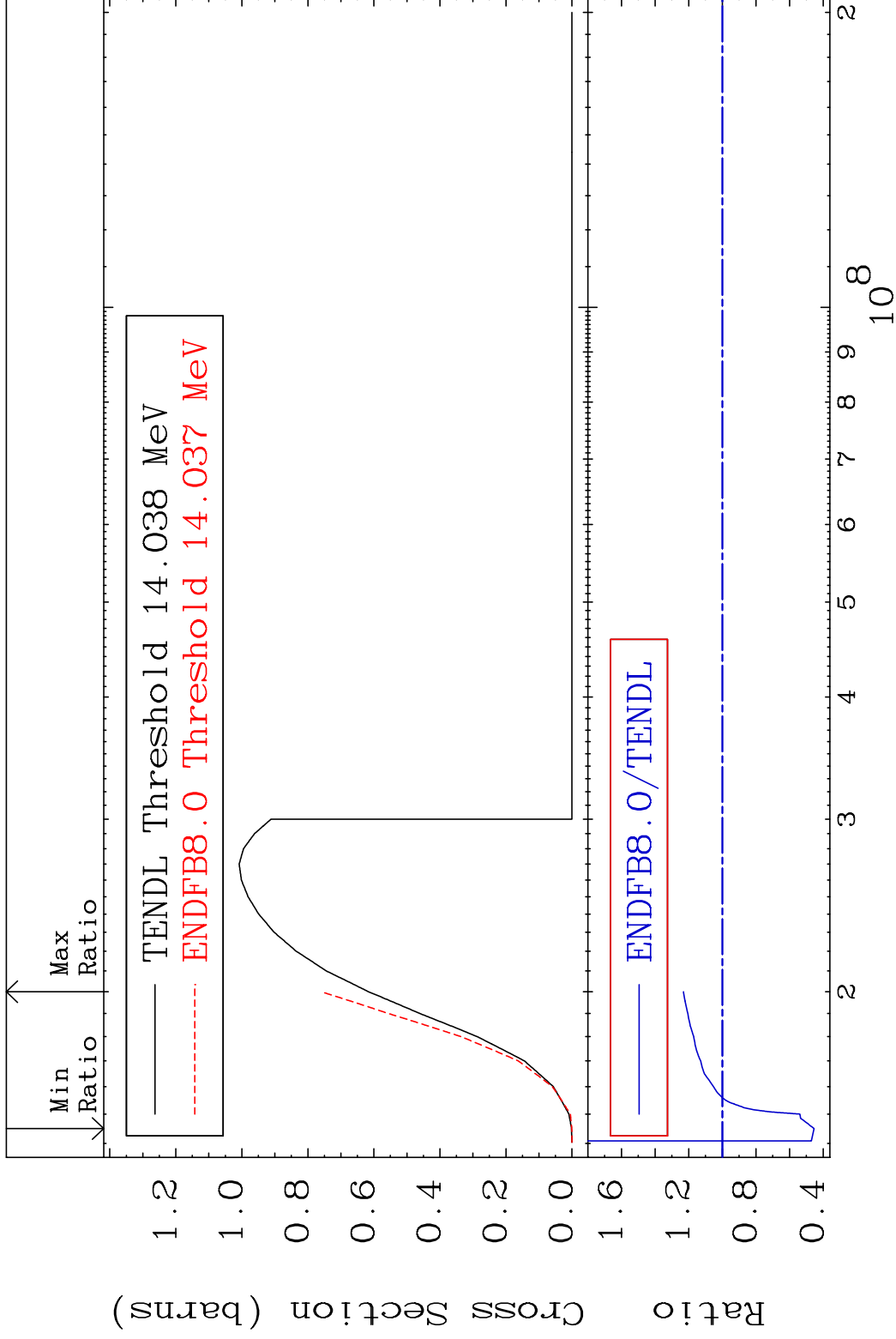
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -54.56 To 23.13 %



5

Incident Energy (eV)

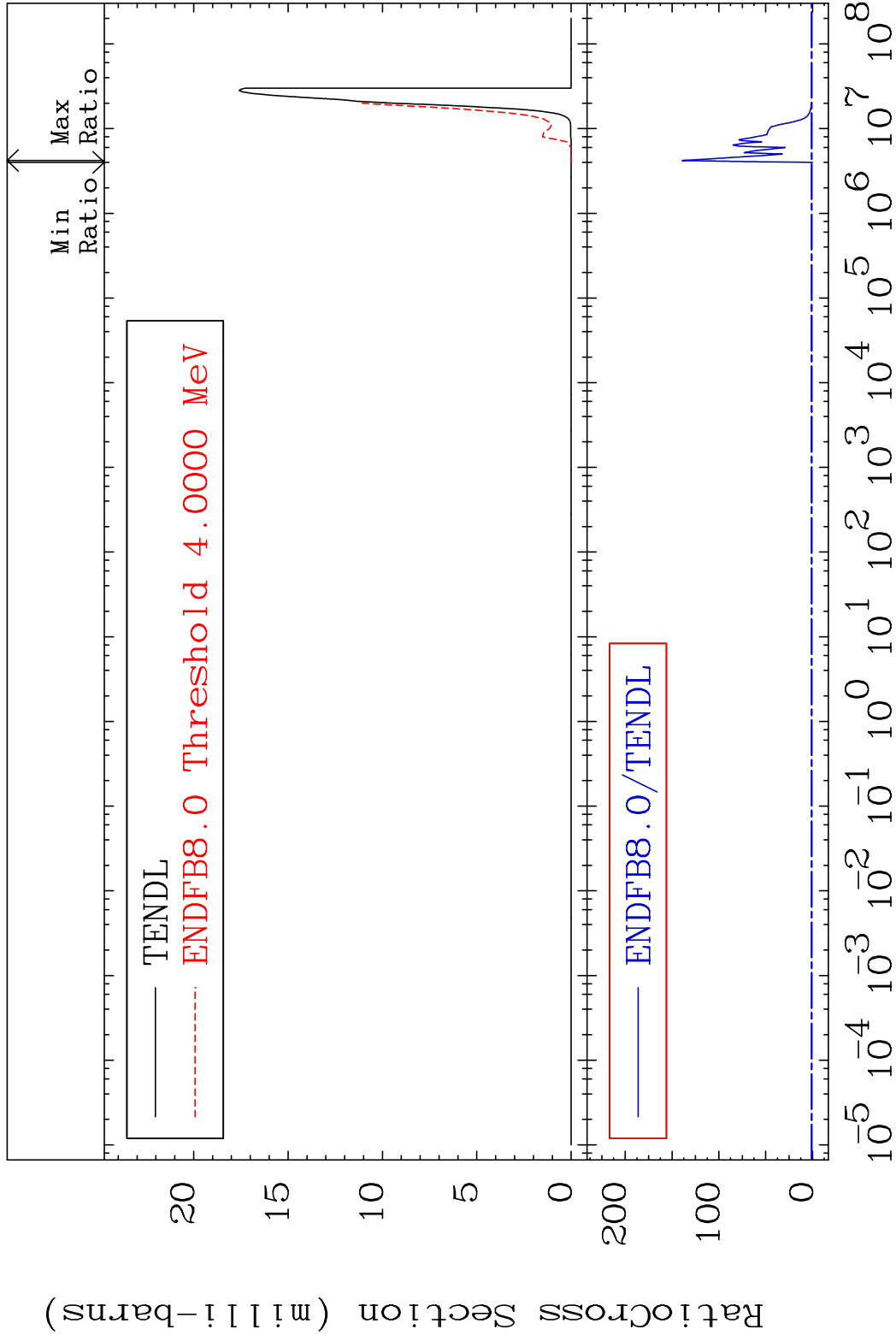
60-Nd-144

MAT 6031

(n, n') α

60-Nd-144

Cross Section -100.0 To 9999. %



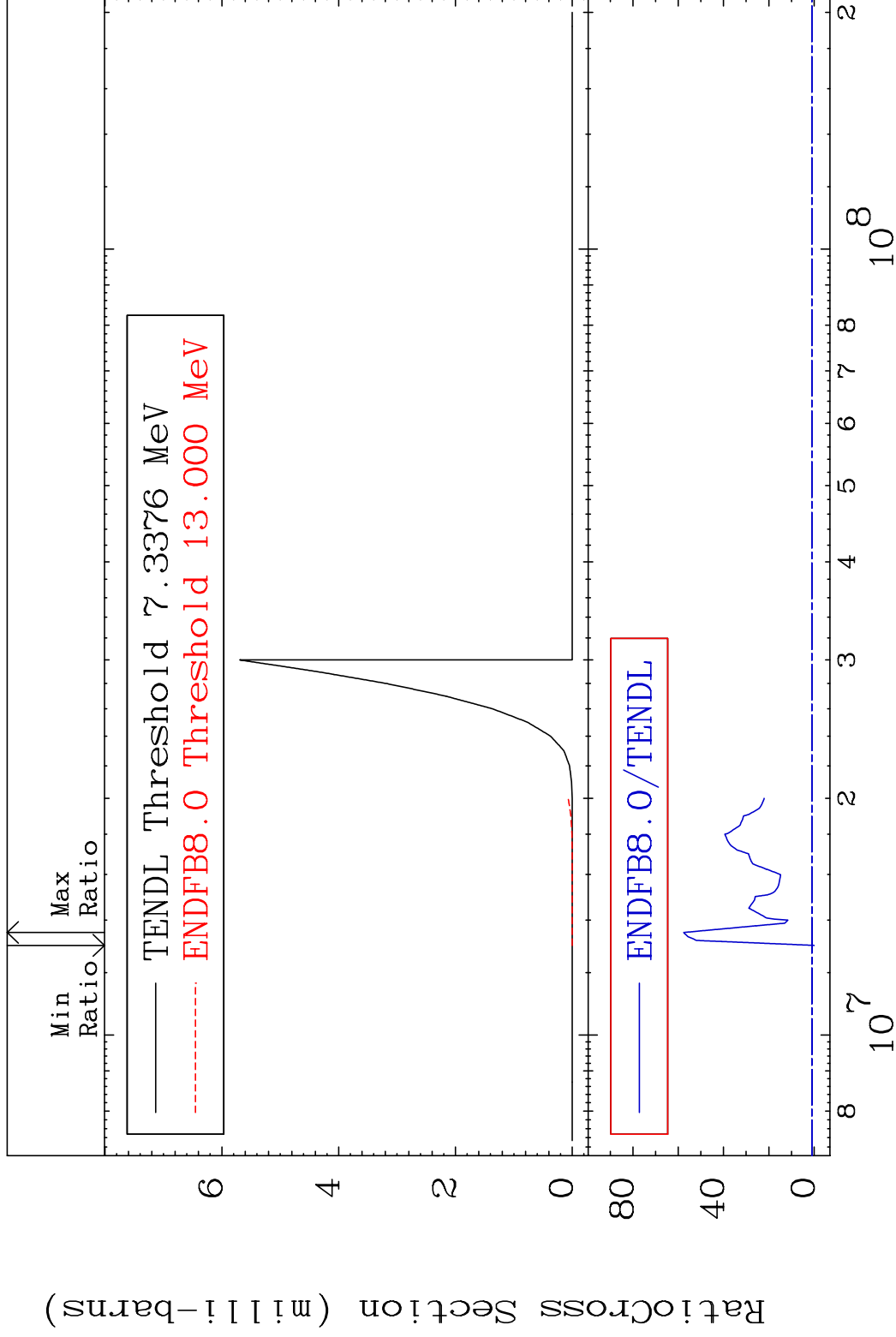
6

Incident Energy (eV)

60-Nd-144

MAT 6031

(n,2n) α 60-Nd-144
Cross Section -100.0 To 5661. %

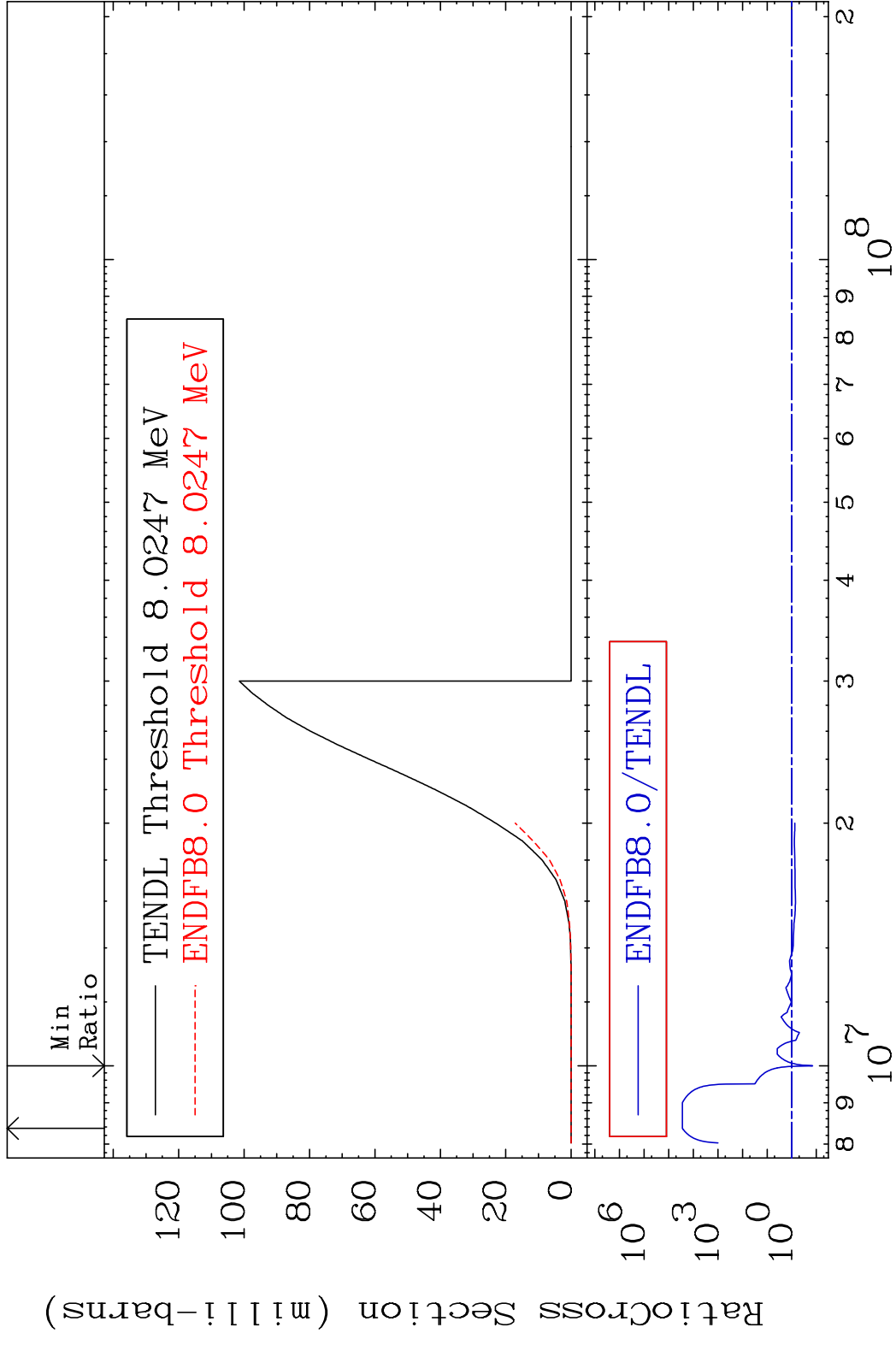


7

Incident Energy (eV)

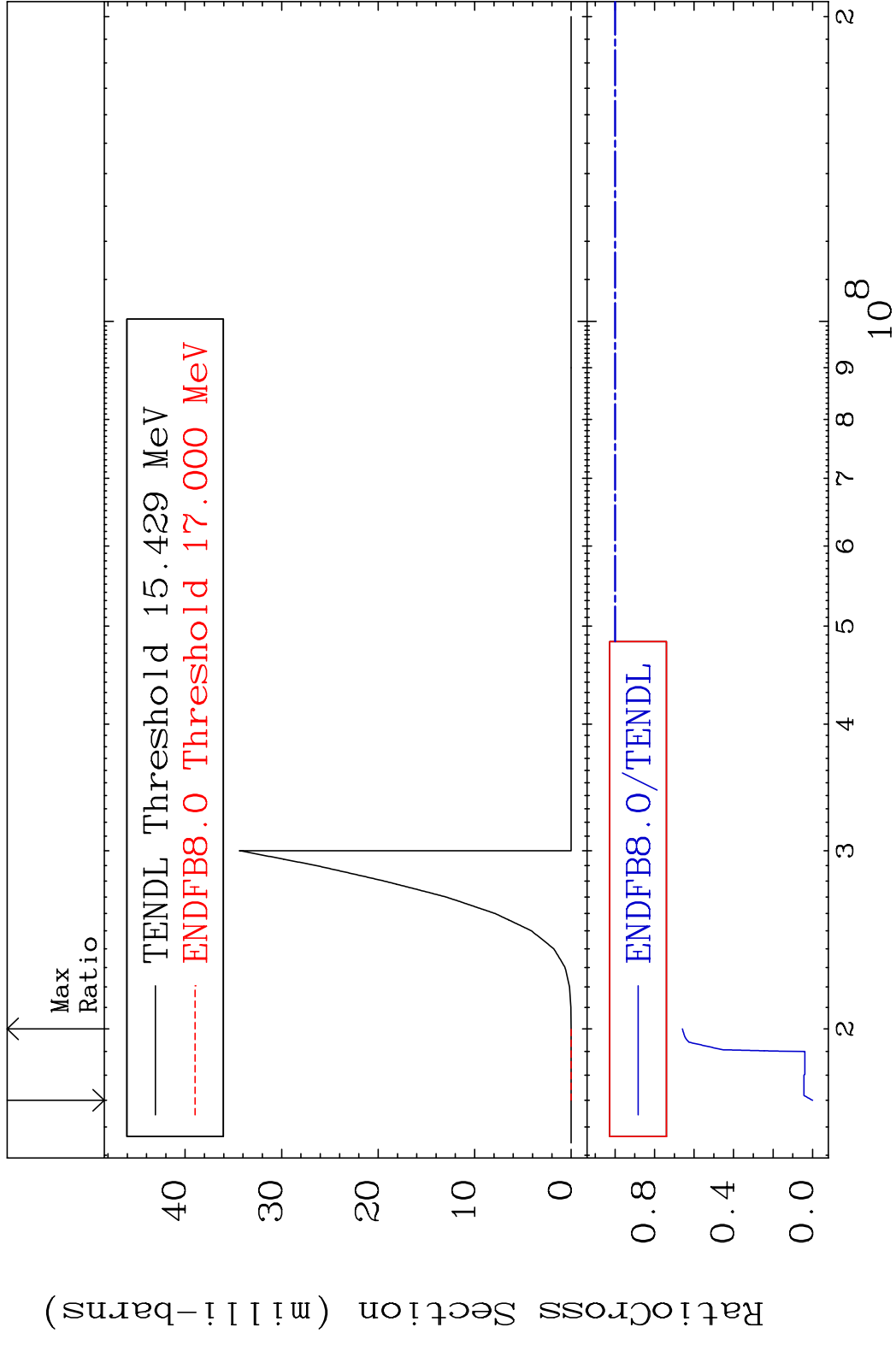
60-Nd-144

MAT 6031 (n, n') p 60-Nd-144
 Cross Section -85.77 To 9999. %

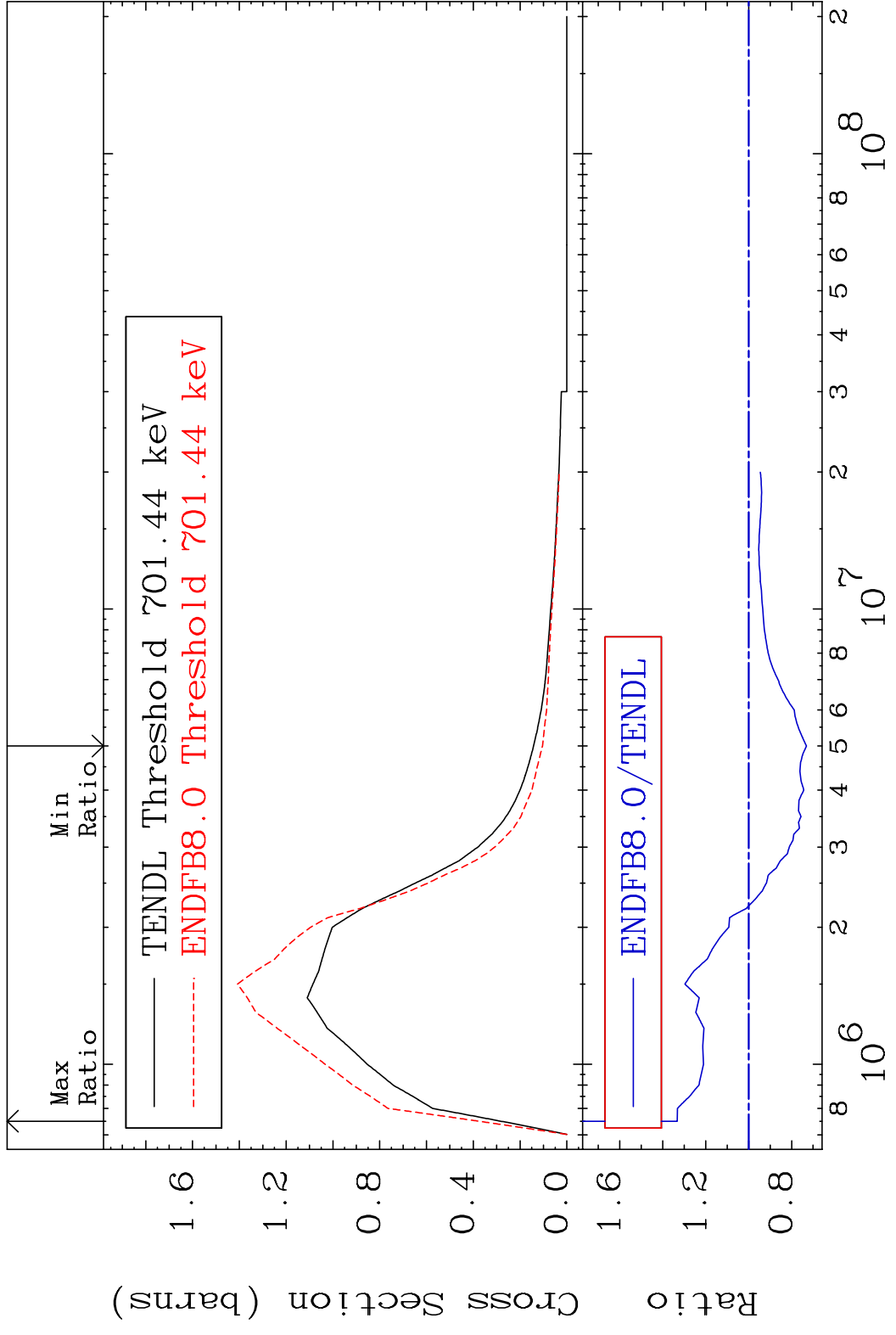


8 8 9 10⁷ 10⁸ 2 60-Nd-144

MAT 6031 (n,2n) p 60-Nd-144
 Cross Section -100.0 To -34.08%

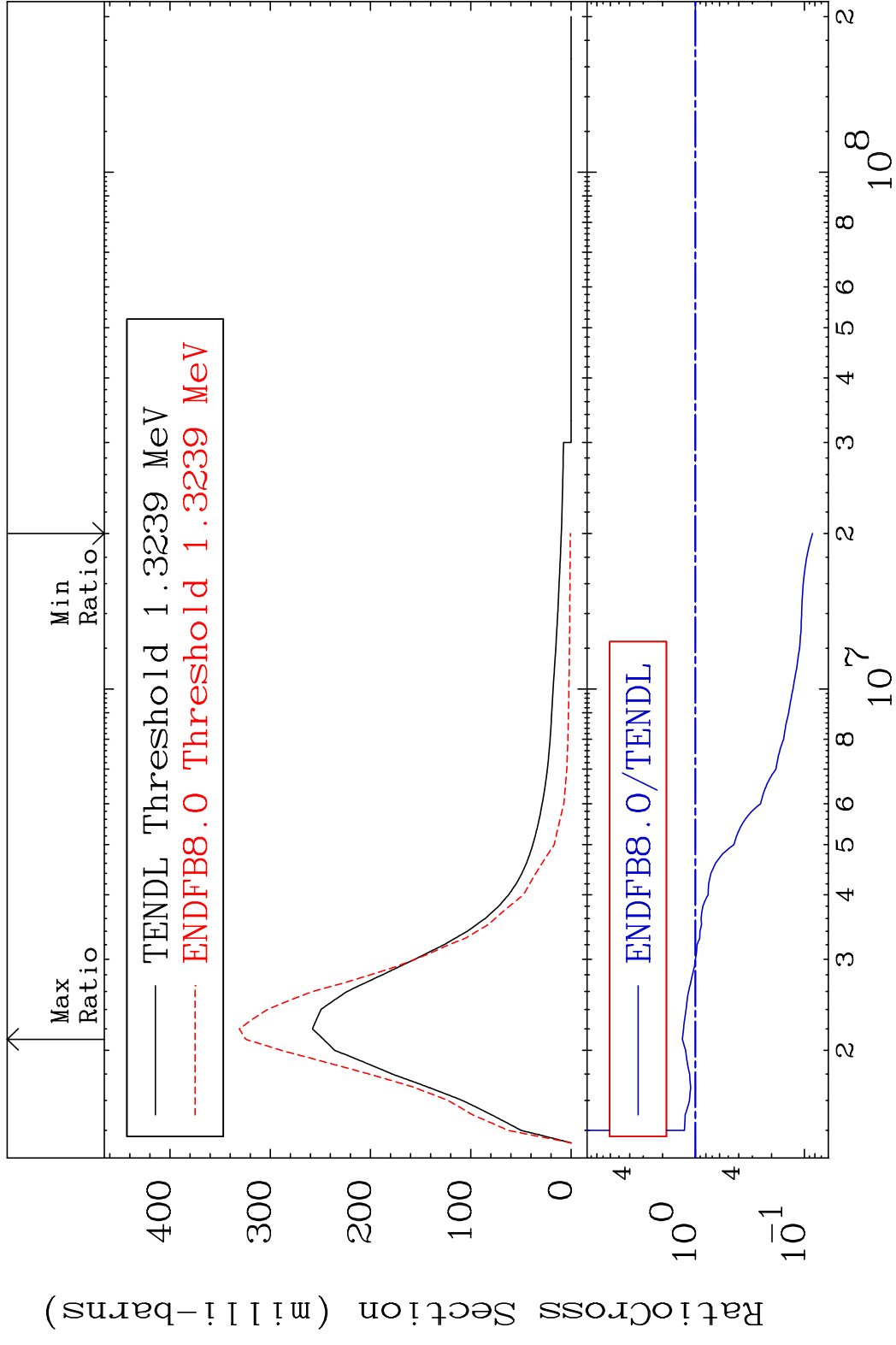


MAT 6031 MT= 51 (n, n') Level 60-Nd-144
 Cross Section -26.88 To 33.29 %

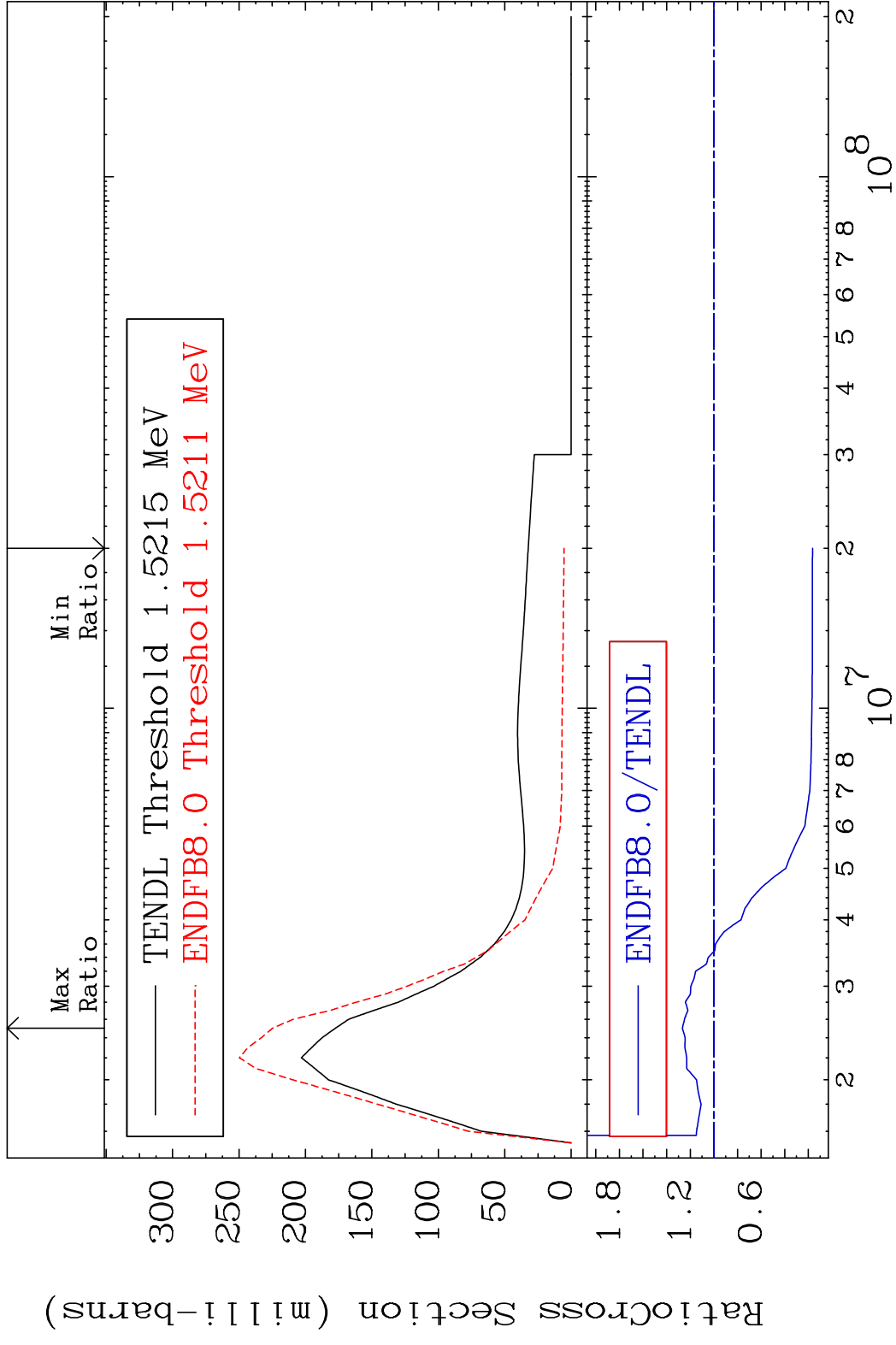


10 8 6 4 2 2 3 4 5 6 8 10⁸ 60-Nd-144

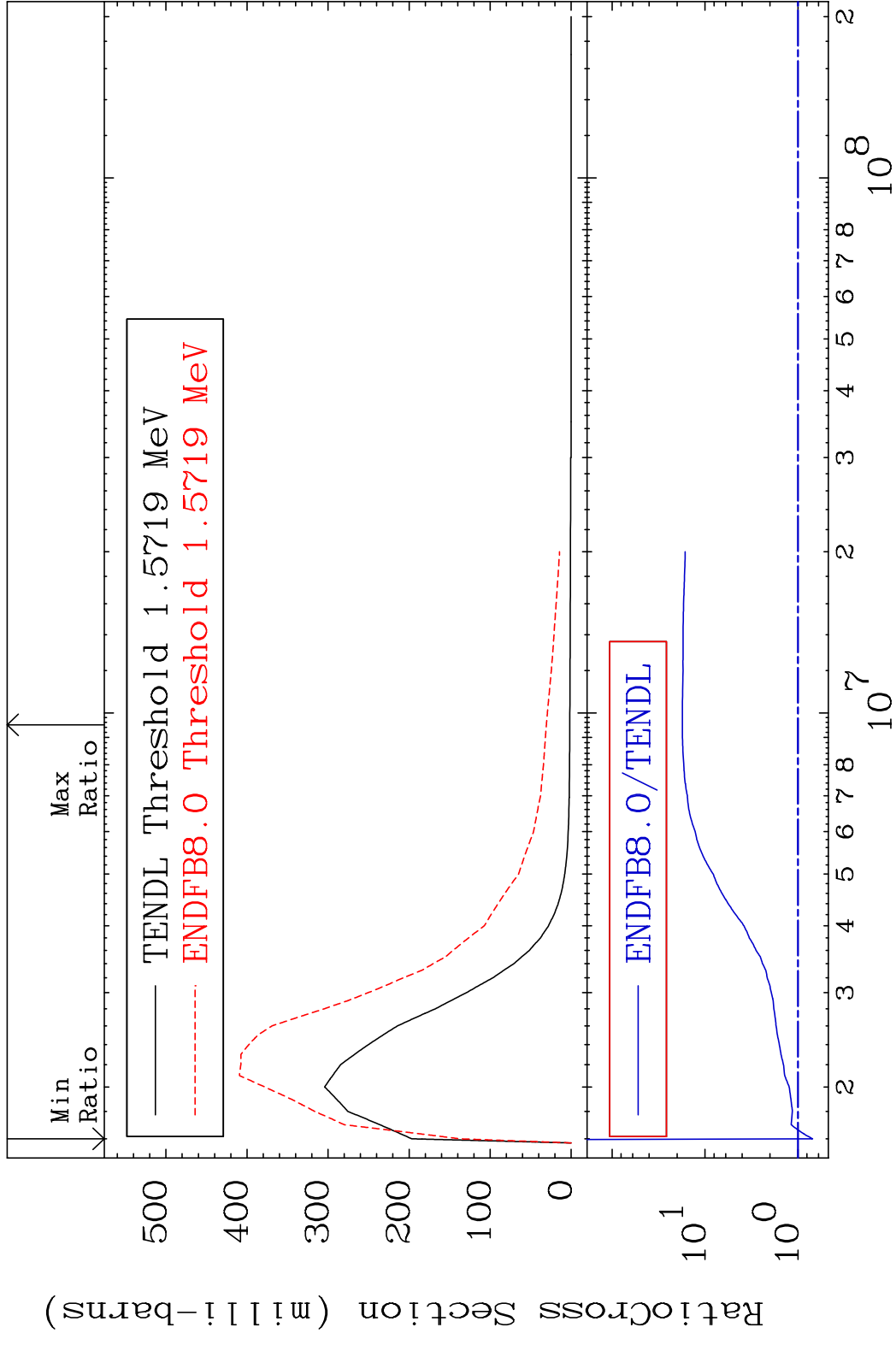
MAT 6031 MT= 52 (n, n') Level 60-Nd-144
 Cross Section -91.58 To 31.39 %



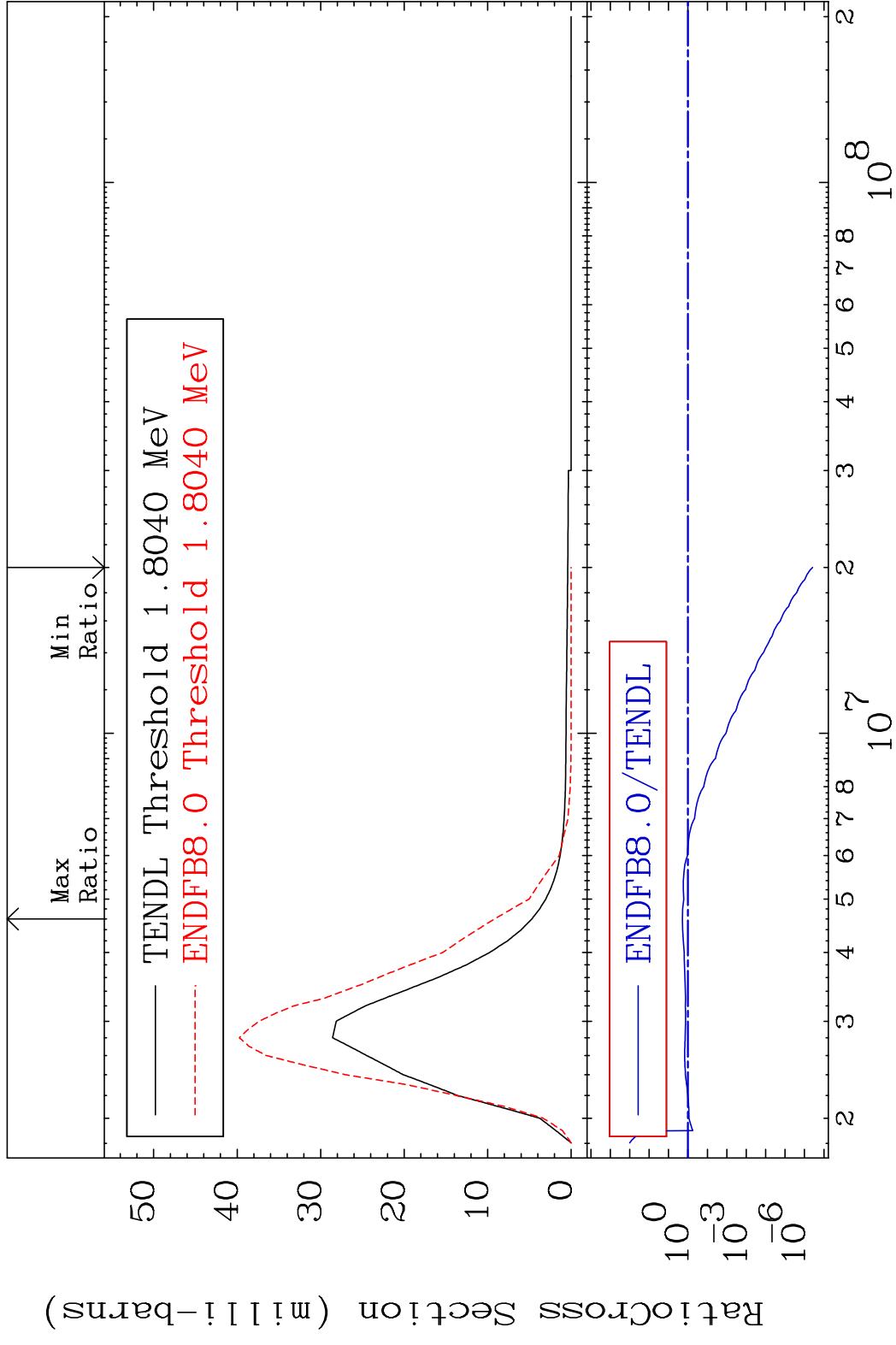
MAT 6031 MT= 53 (n, n') Level 60-Nd-144
 Cross Section -83.59 To 26.70 %



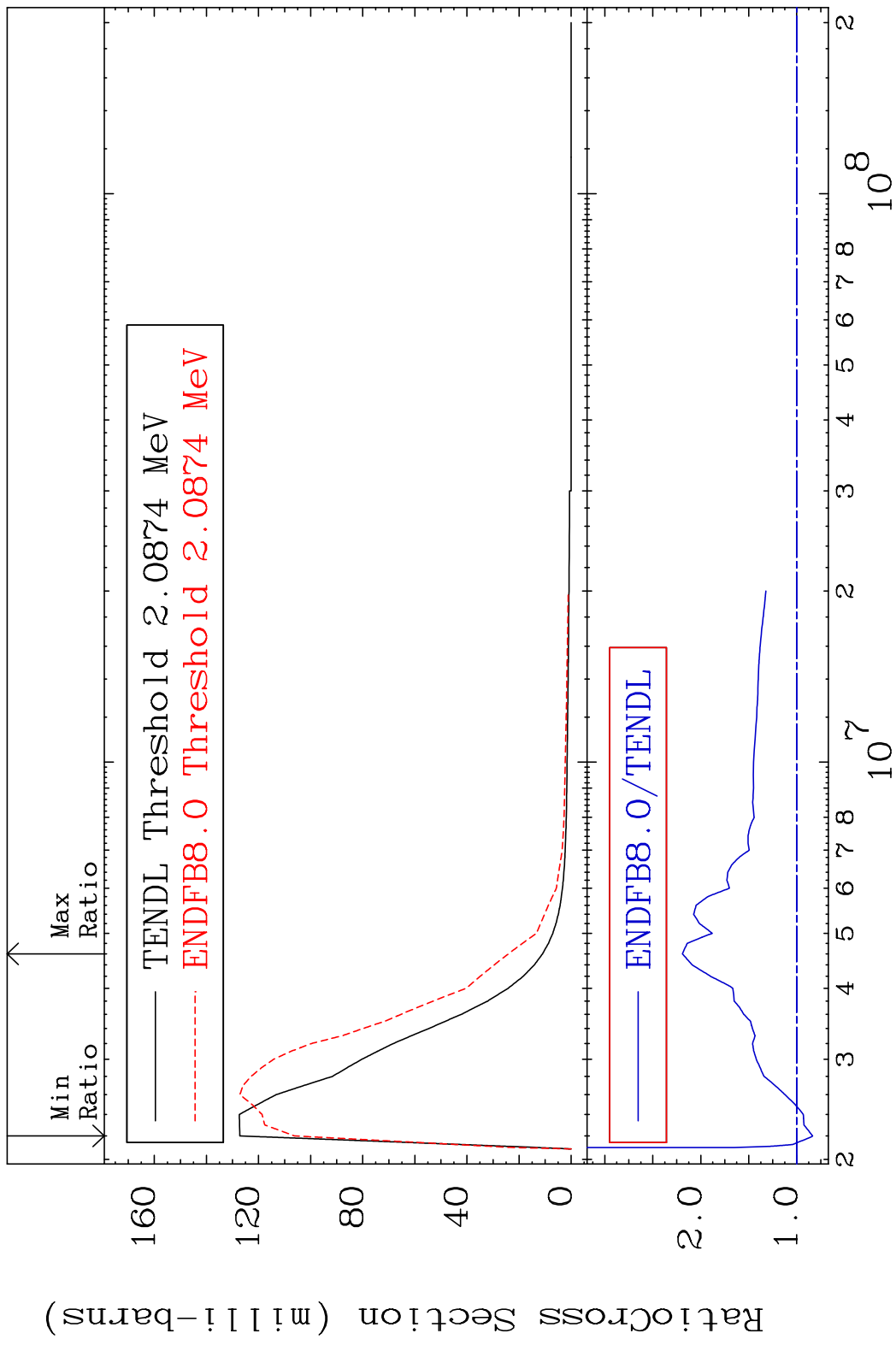
MAT 6031 MT= 54 (n,n') Level 60-Nd-144
 Cross Section -30.28 To 1656. %



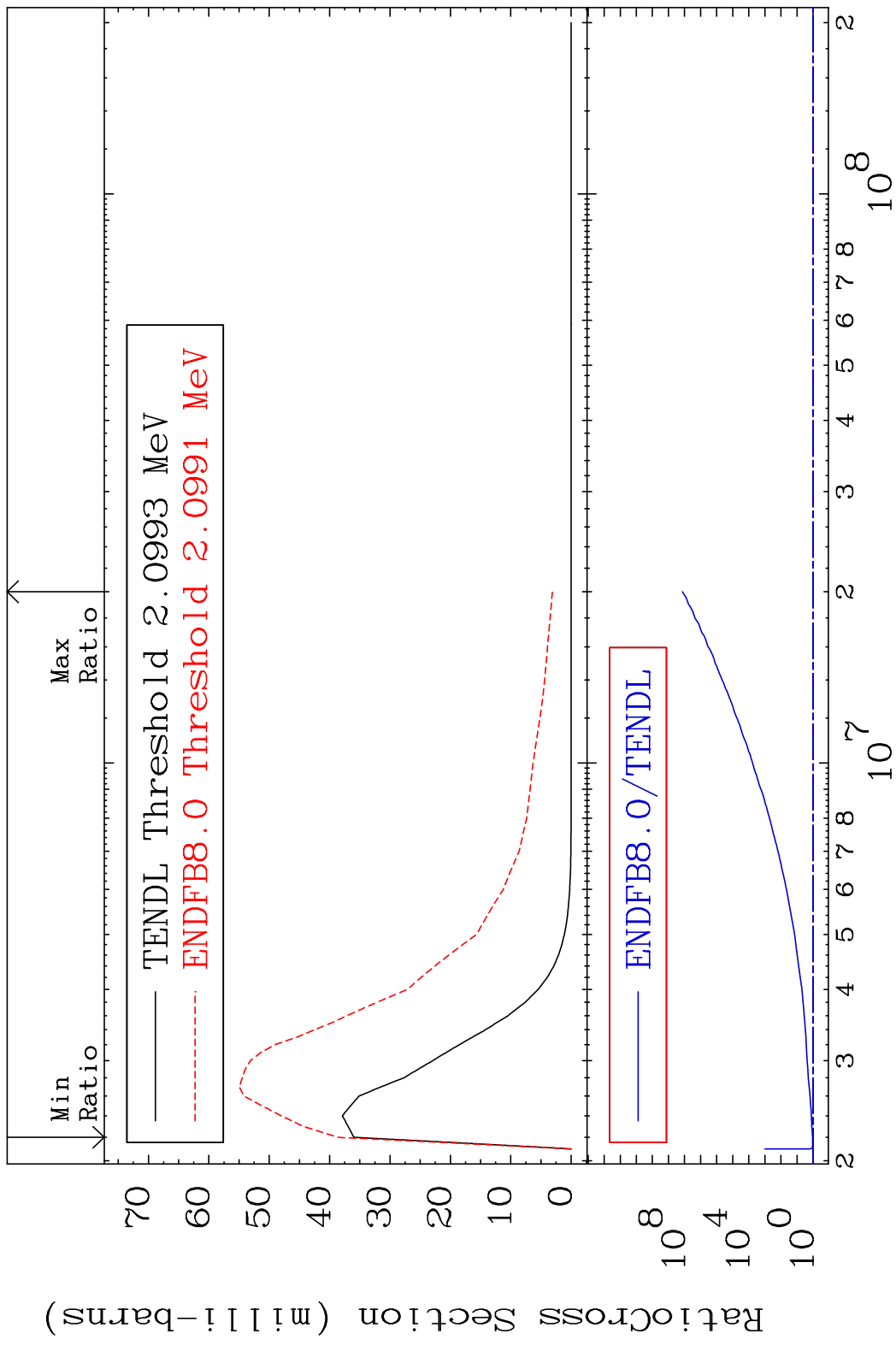
MAT 6031 MT= 55 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 94.57 %



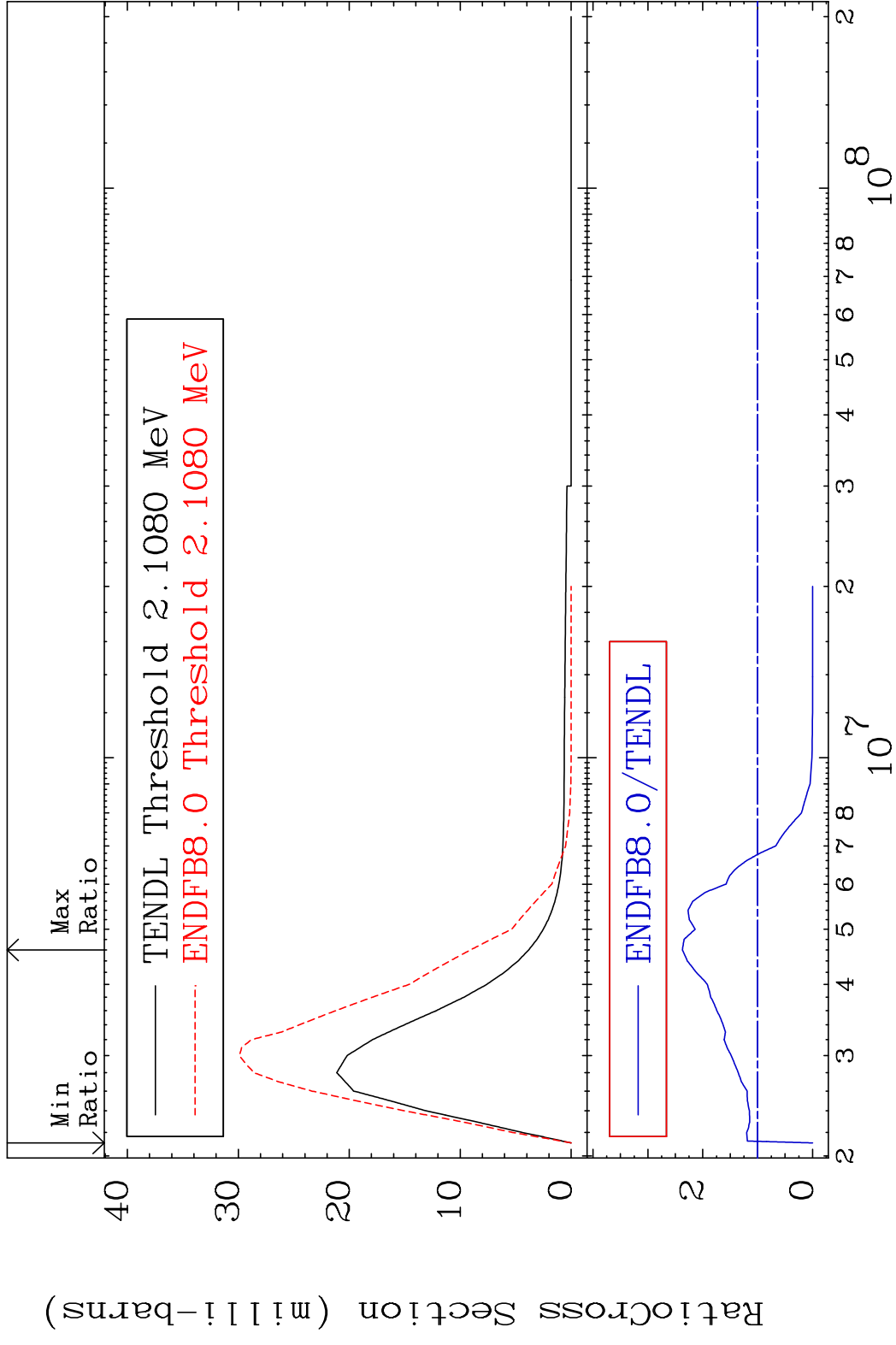
MAT 6031 MT= 56 (n,n') Level 60-Nd-144
 Cross Section -16.50 To 119.2 %



MAT 6031 MT= 57 (n, n') Level 60-Nd-144
 Cross Section 7.437 To 9999. %

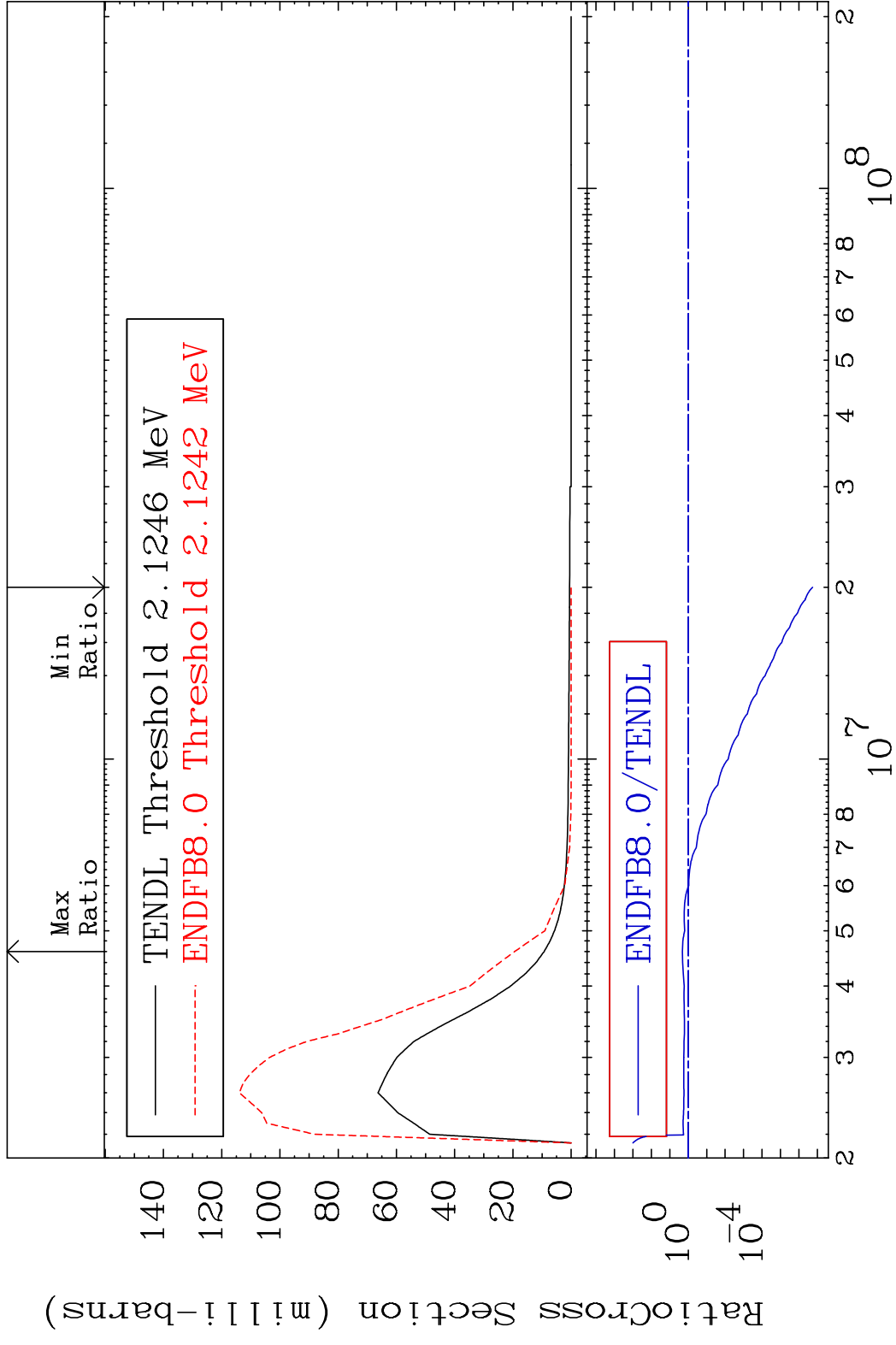


MAT 6031 MT= 58 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 137.2 %

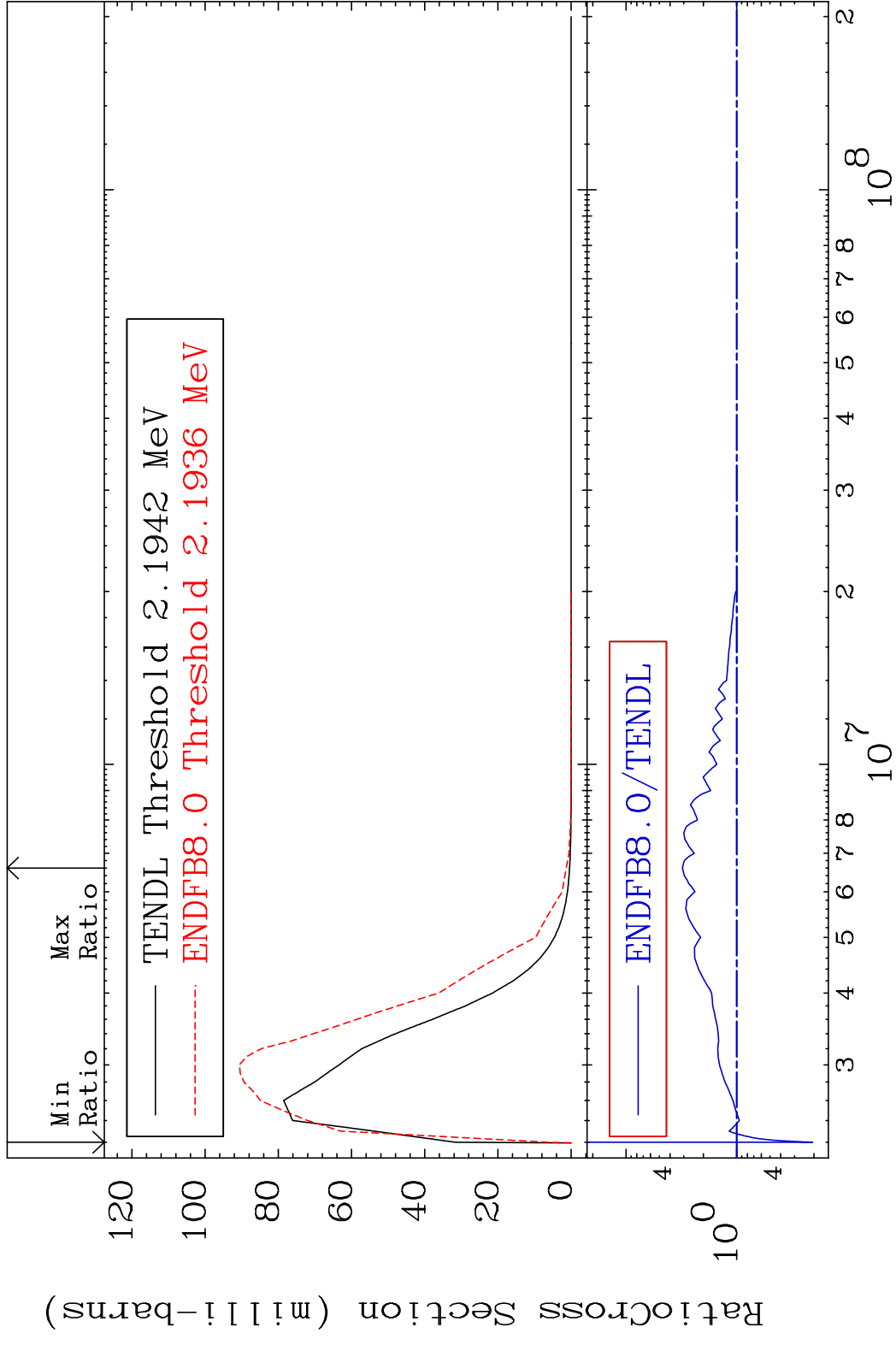


17 Incident Energy (eV) 60-Nd-144

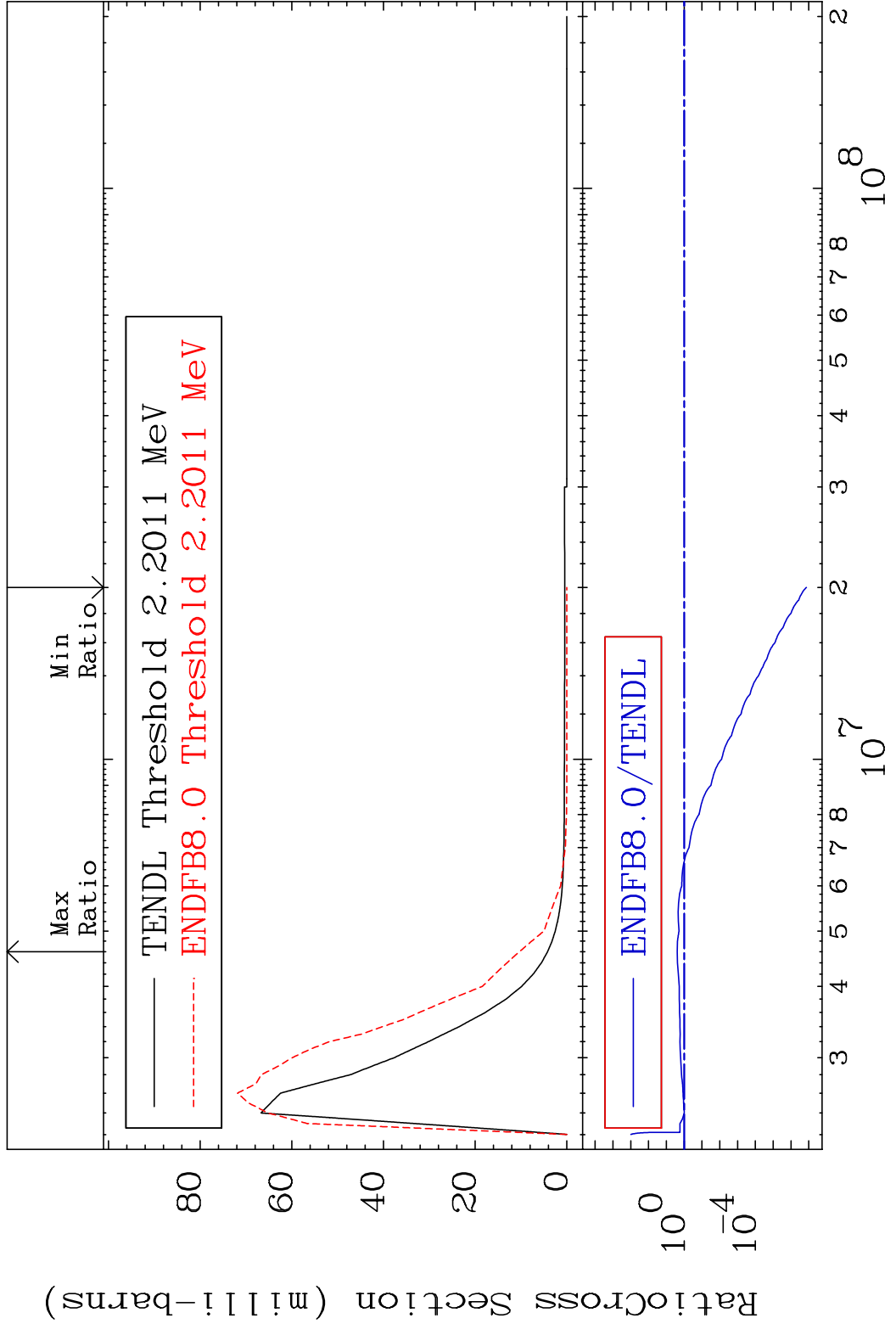
MAT 6031 MT= 59 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 108.7 %



MAT 6031 MT= 60 (n, n') Level 60-Nd-144
 Cross Section -79.38 To 209.5 %

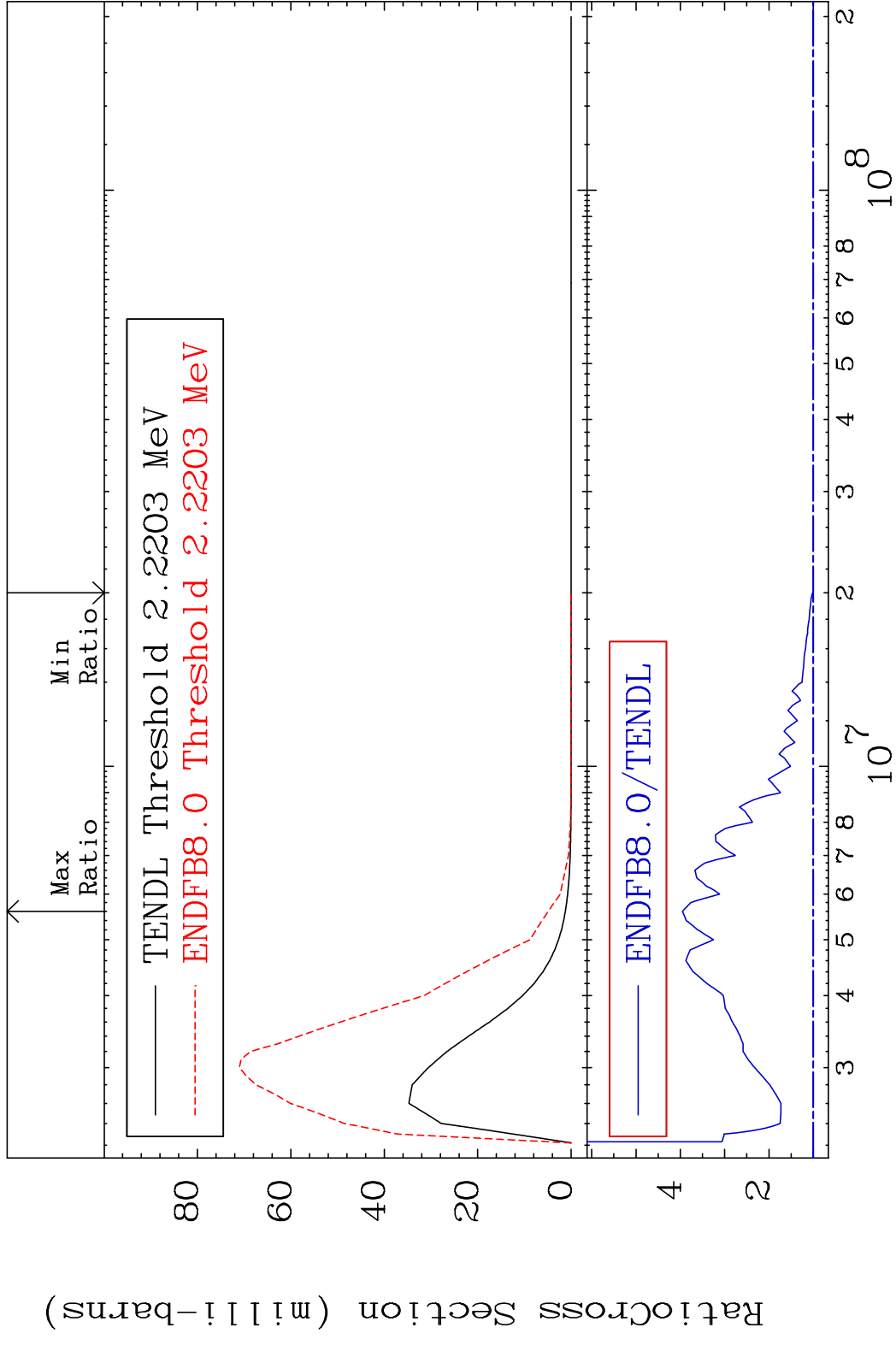


MAT 6031 MT= 61 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 146.3 %

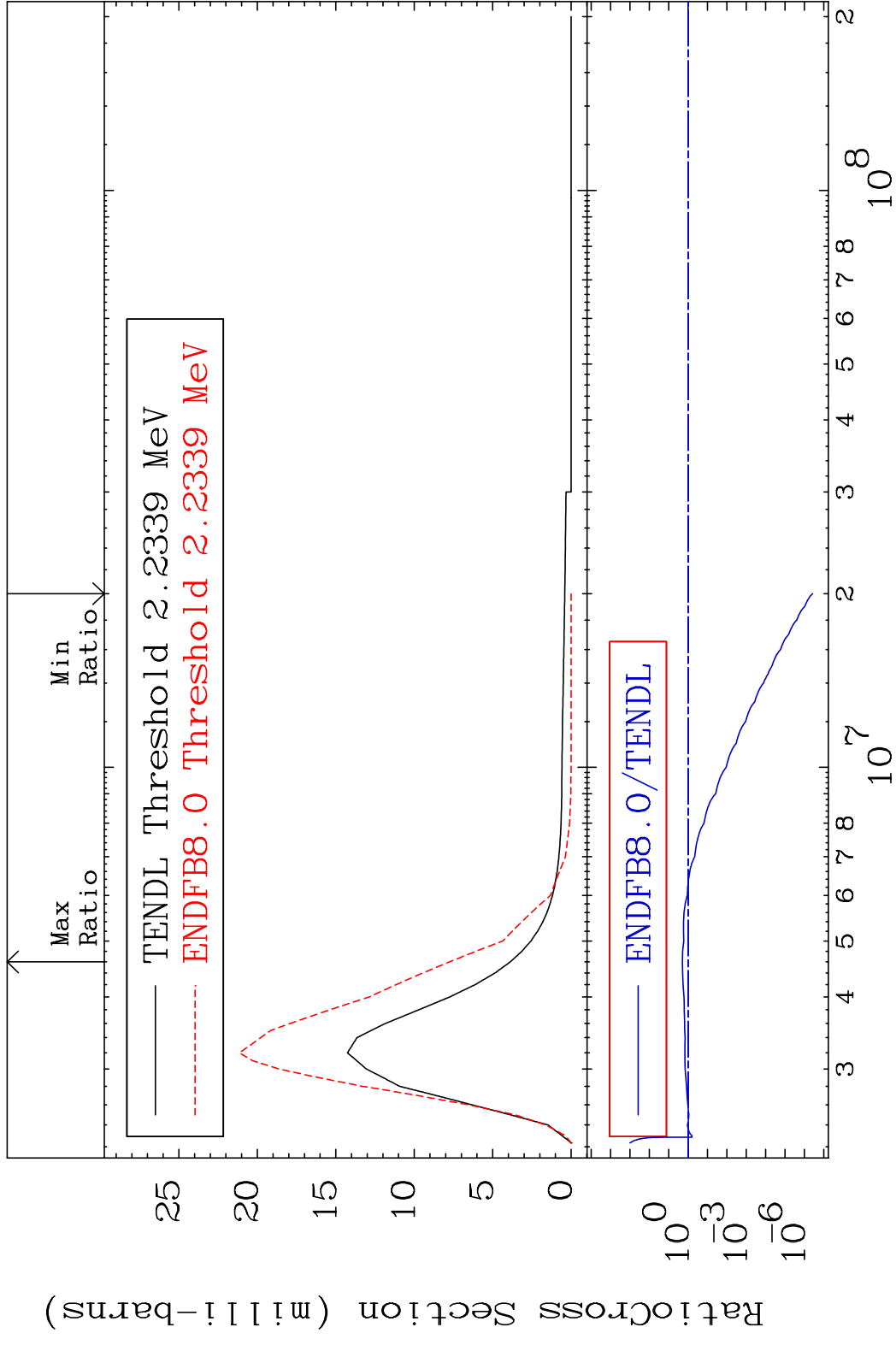


20 60-Nd-144

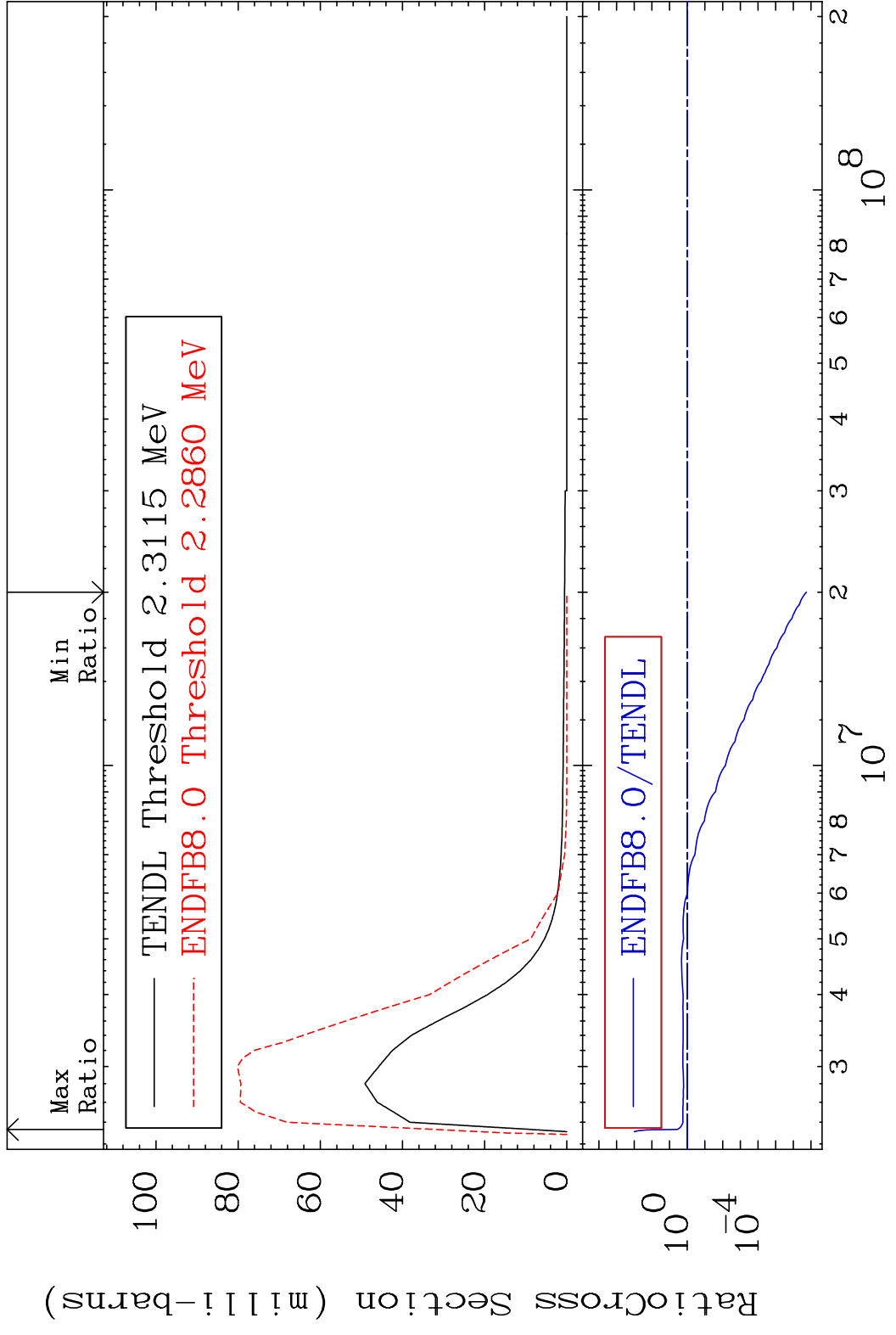
MAT 6031 MT= 62 (n, n') Level 60-Nd-144
 Cross Section 1.652 To 295.4 %



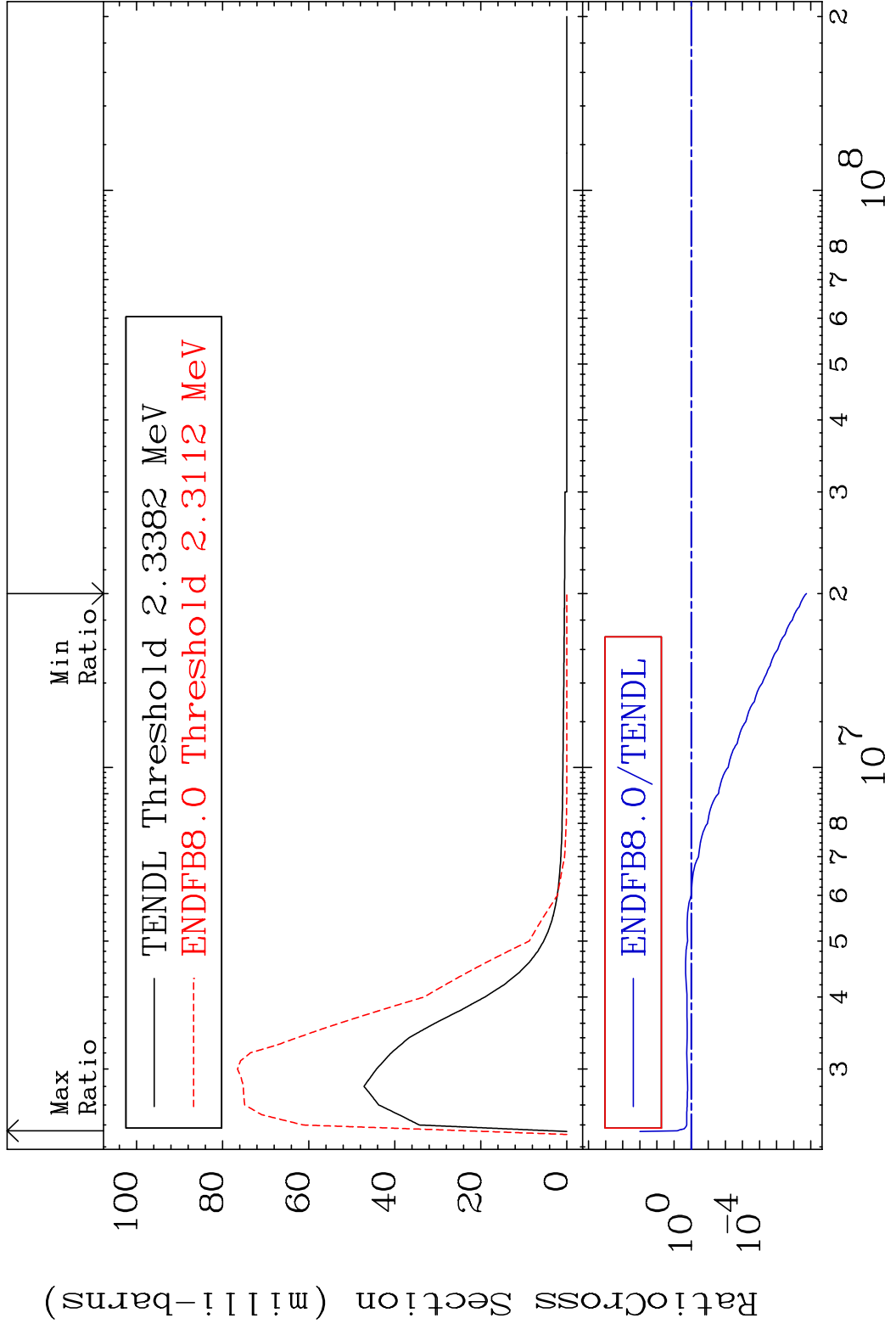
MAT 6031 MT= 63 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 100.1 %



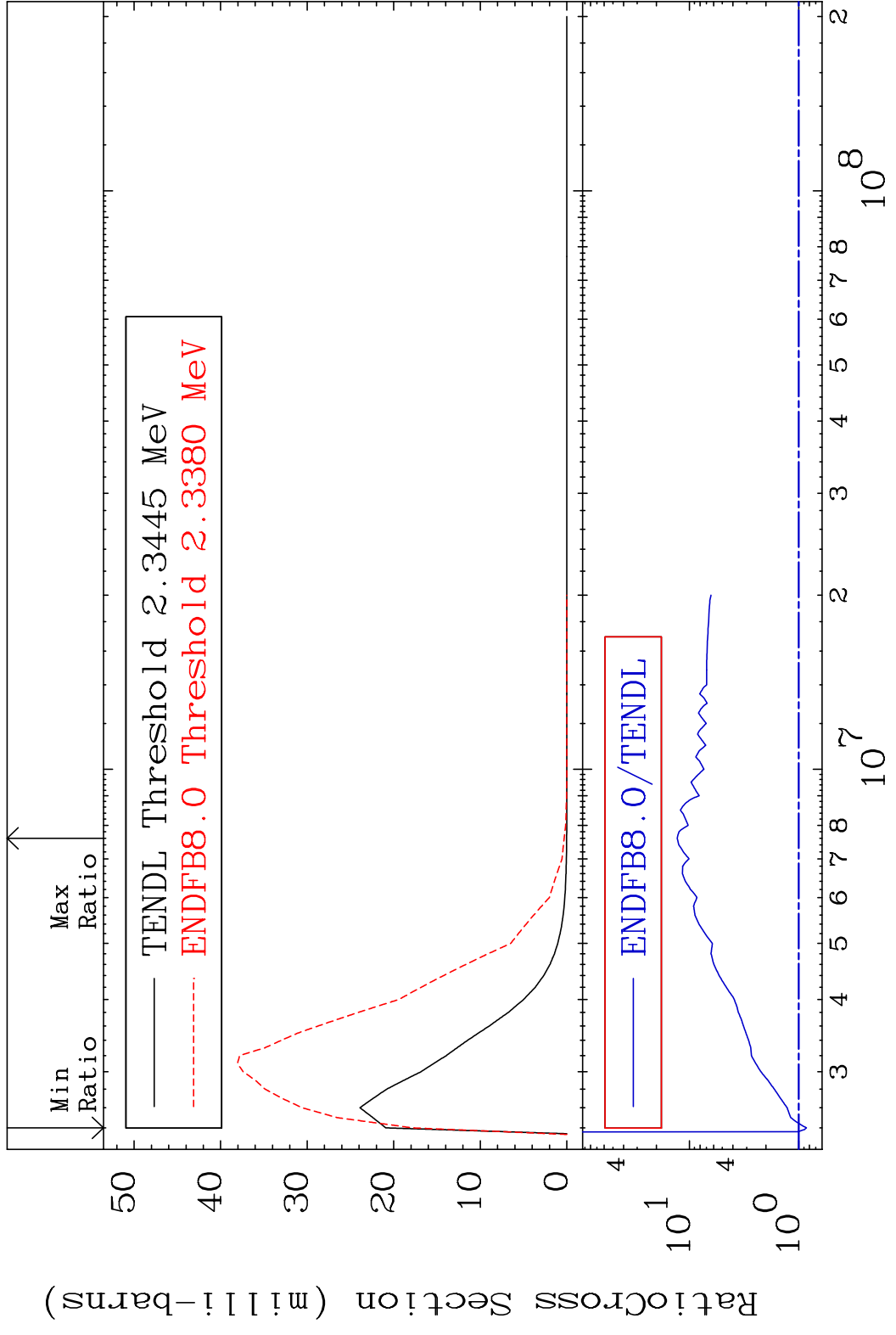
MAT 6031 MT= 64 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 272.0 %



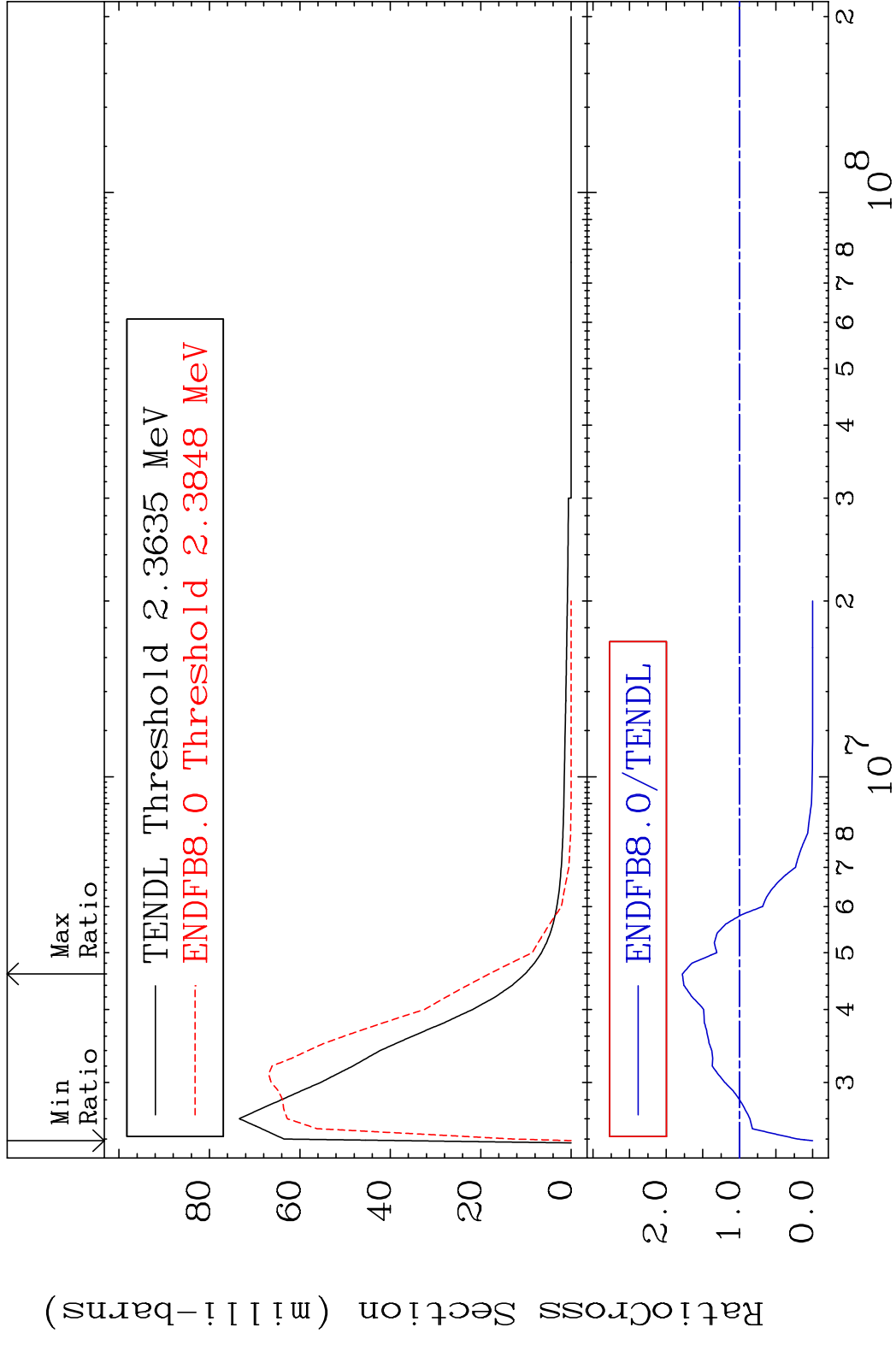
MAT 6031 MT= 65 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 555.3 %



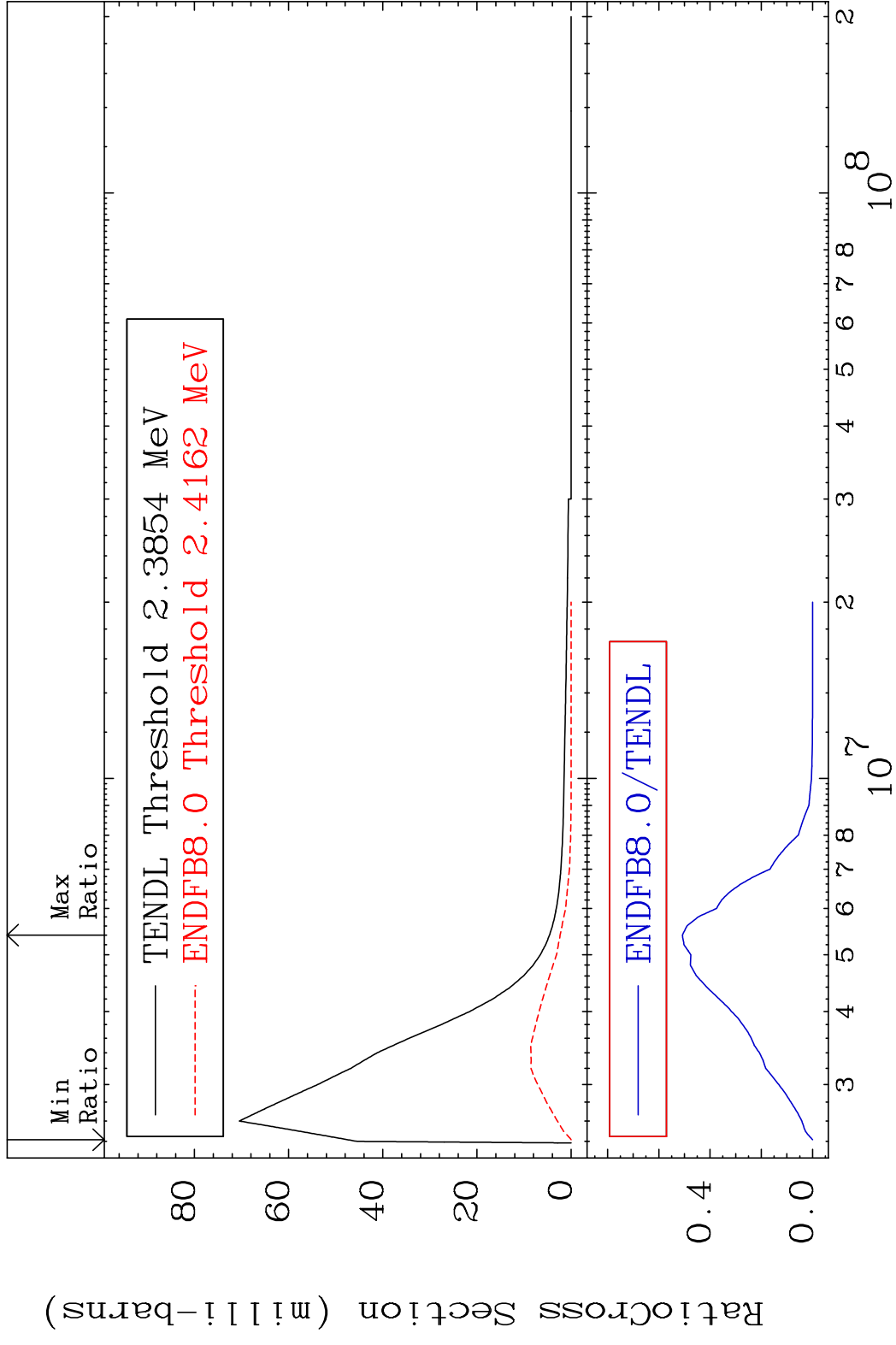
MAT 6031 MT= 66 (n,n') Level 60-Nd-144
 Cross Section -14.70 To 1193. %



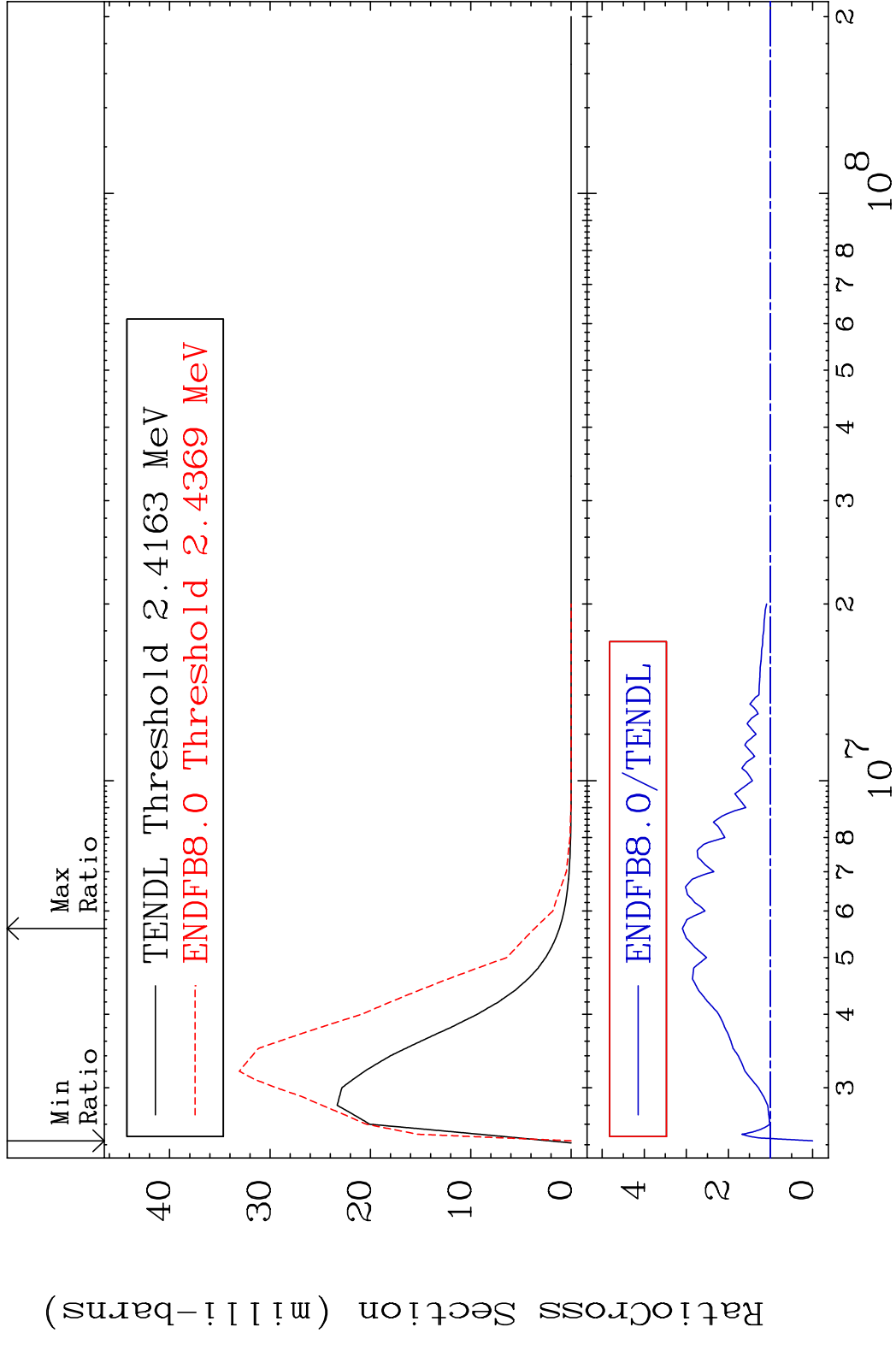
MAT 6031 MT= 67 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 77.87 %



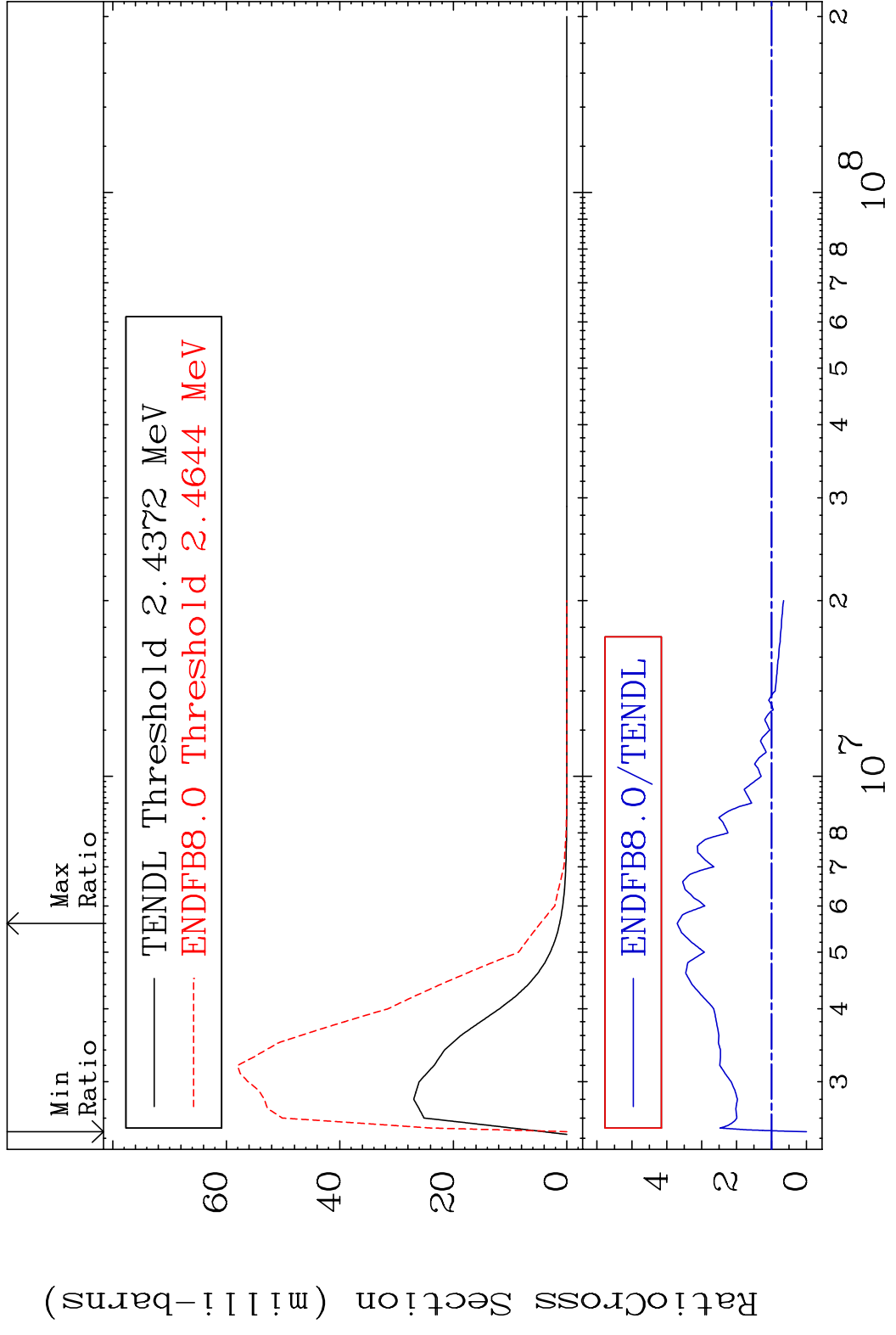
MAT 6031 MT= 68 (n,n') Level 60-Nd-144
 Cross Section -100.0 To -49.19%



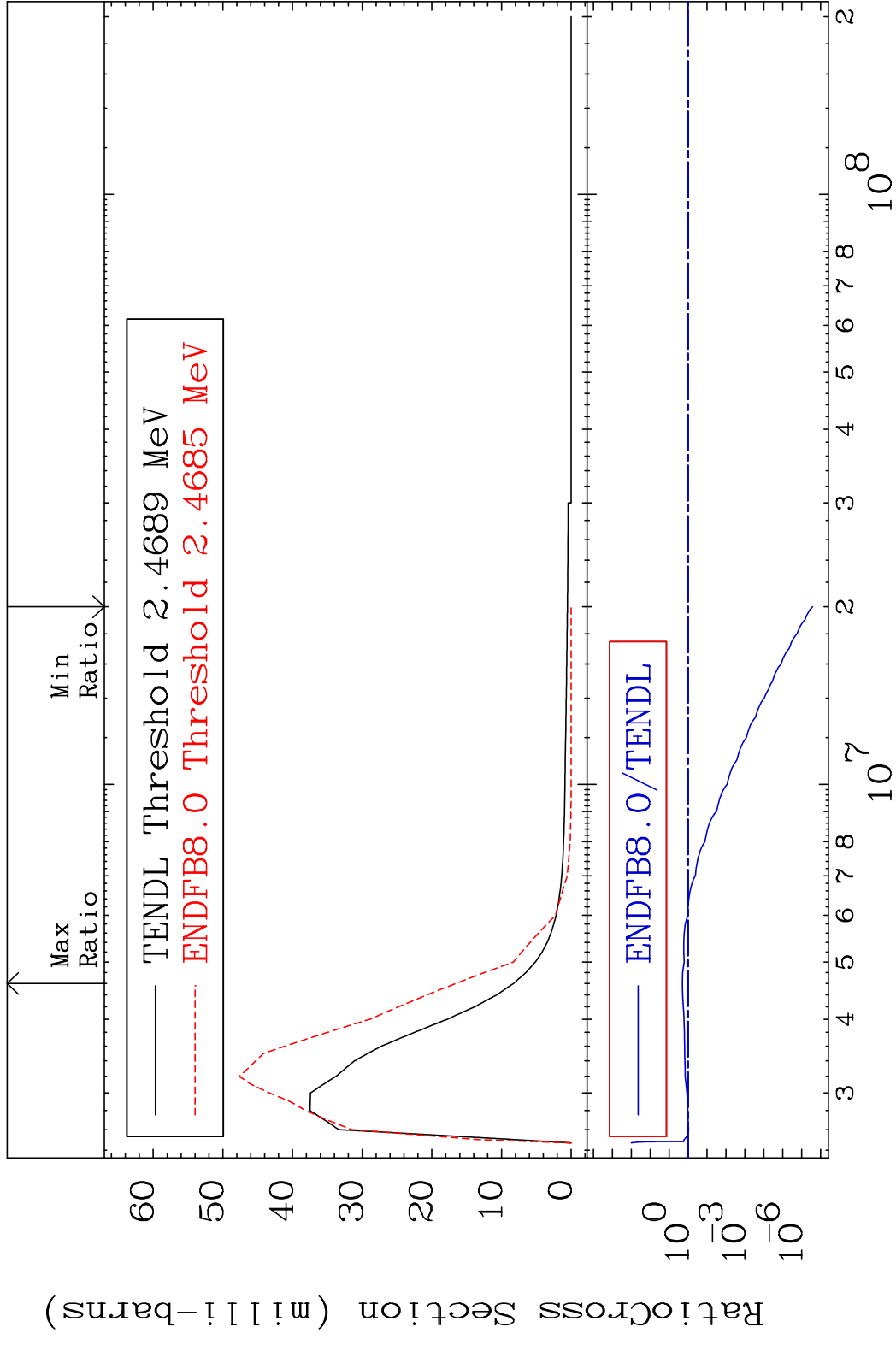
MAT 6031 MT= 69 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 209.4 %



MAT 6031 MT= 70 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 270.2 %

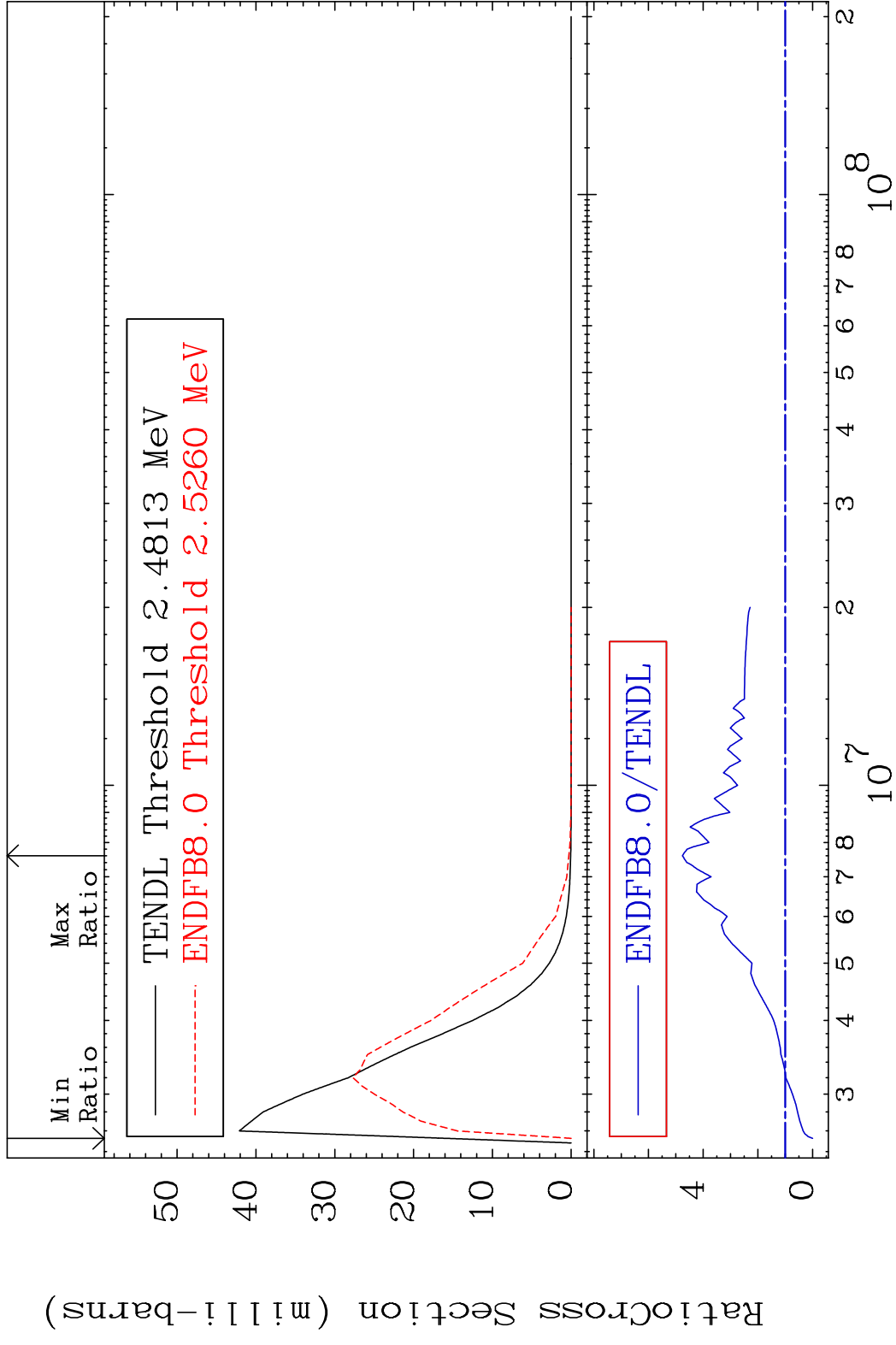


MAT 6031 MT= 71 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 99.98 %

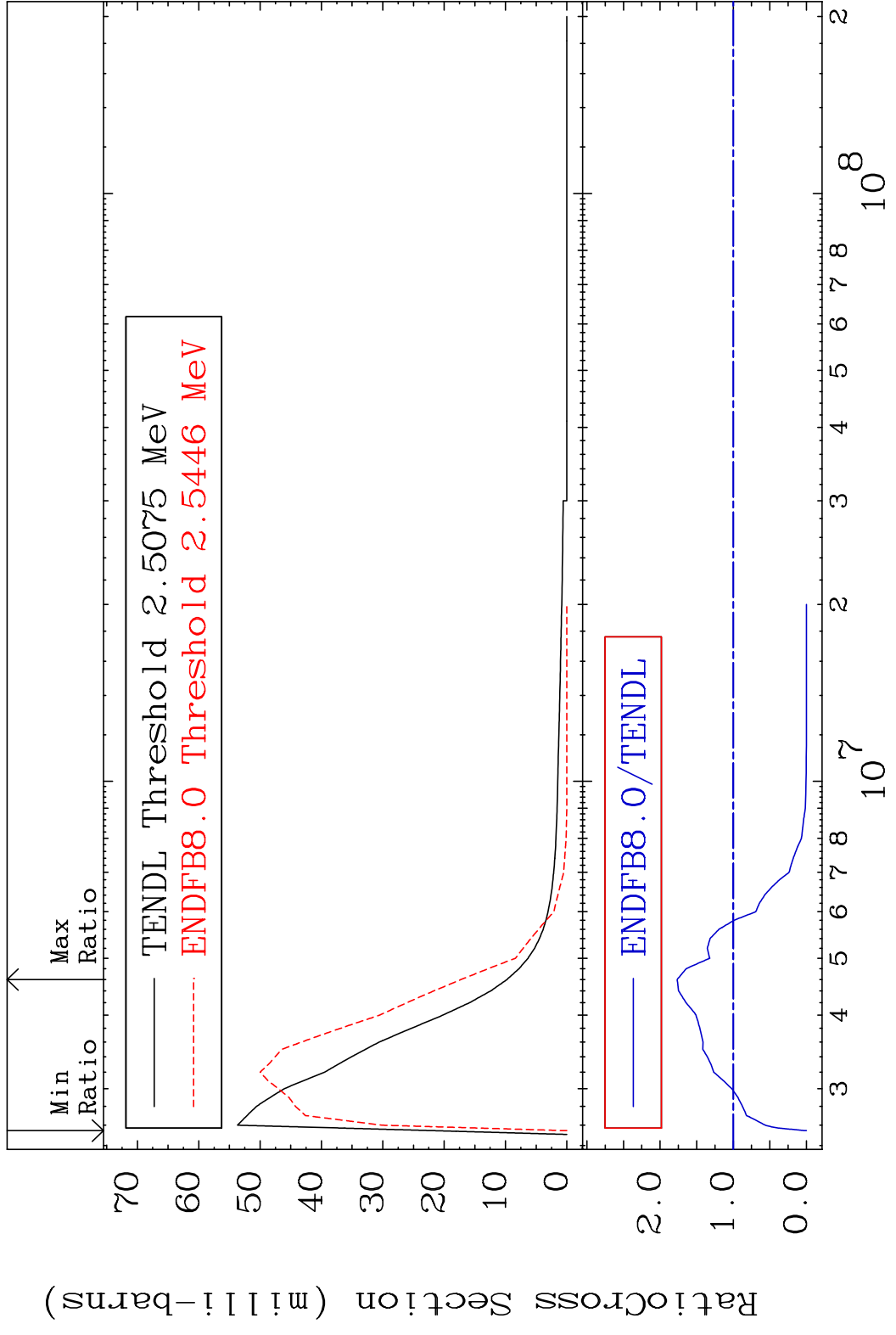


30 Incident Energy (eV) 60-Nd-144

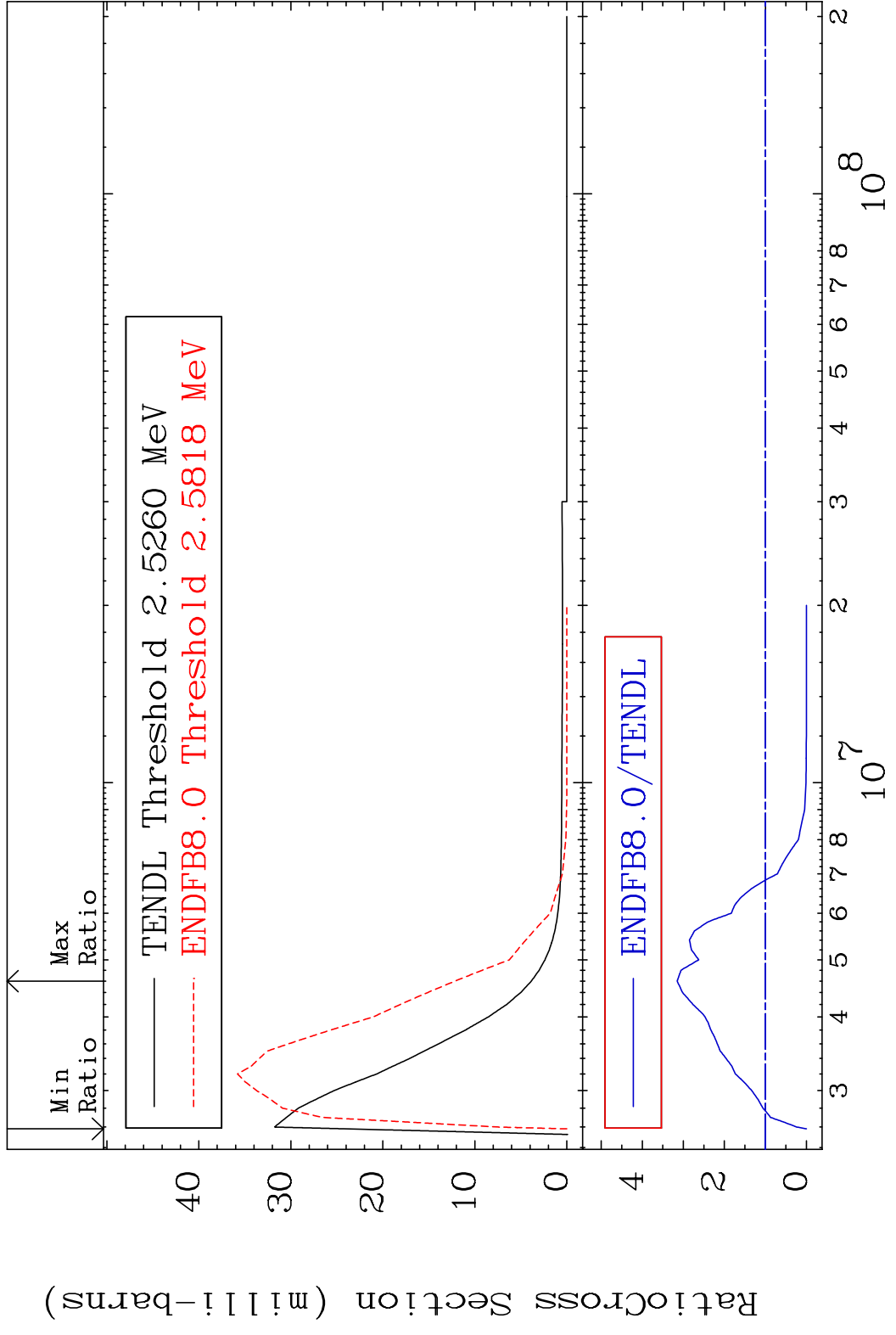
MAT 6031 MT= 72 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 376.2 %



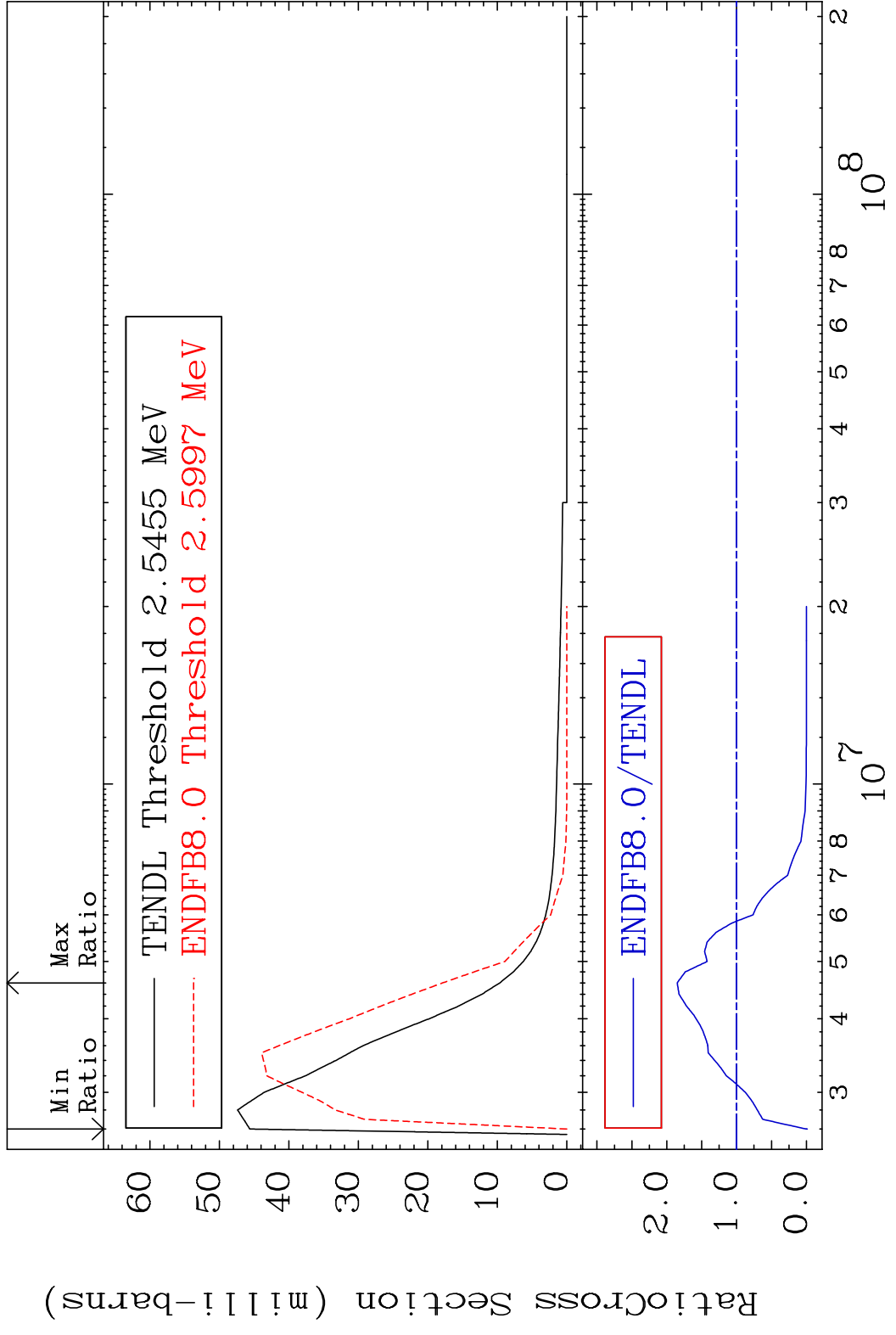
MAT 6031 MT= 73 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 76.63 %



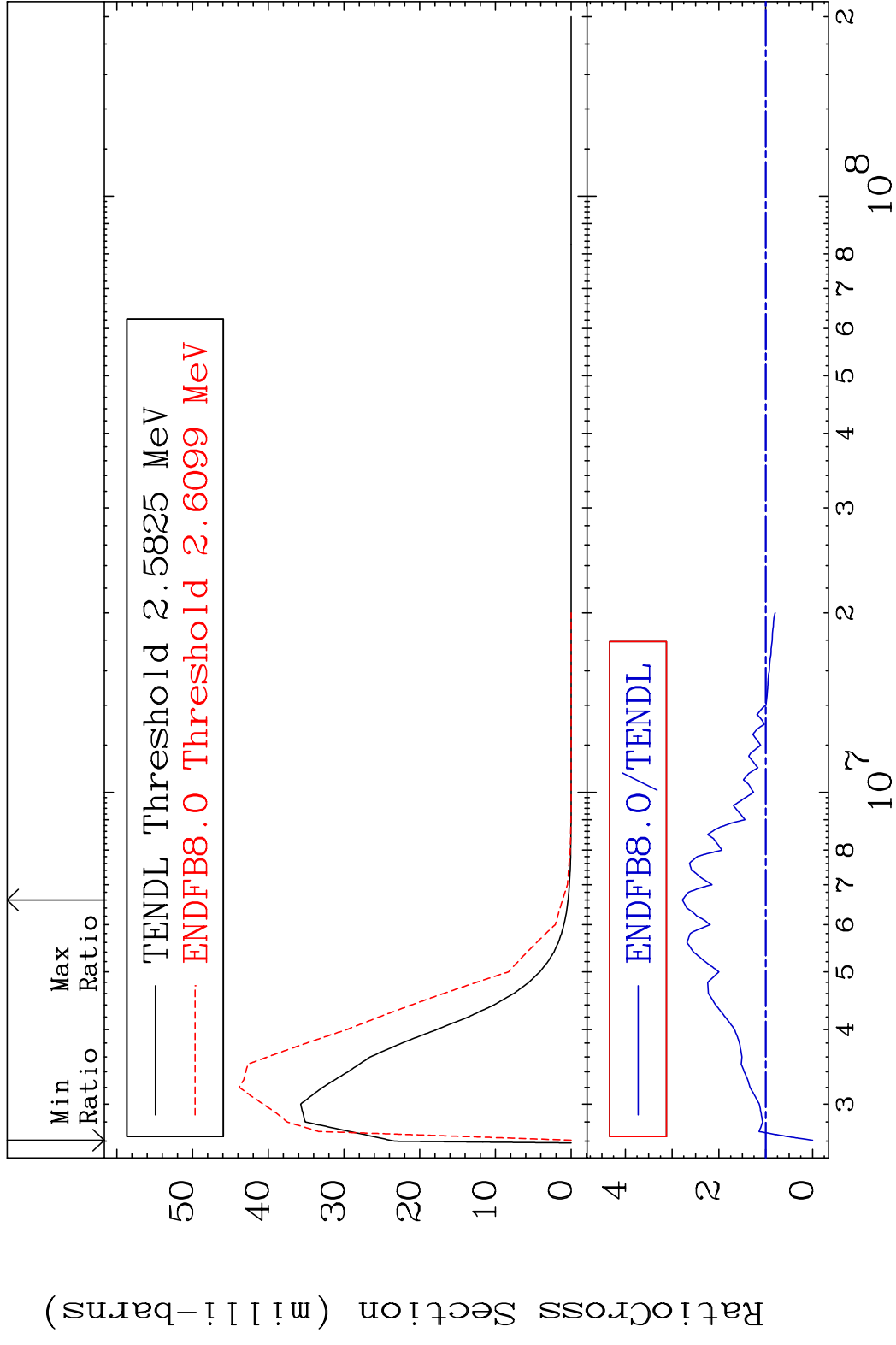
MAT 6031 MT= 74 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 214.9 %



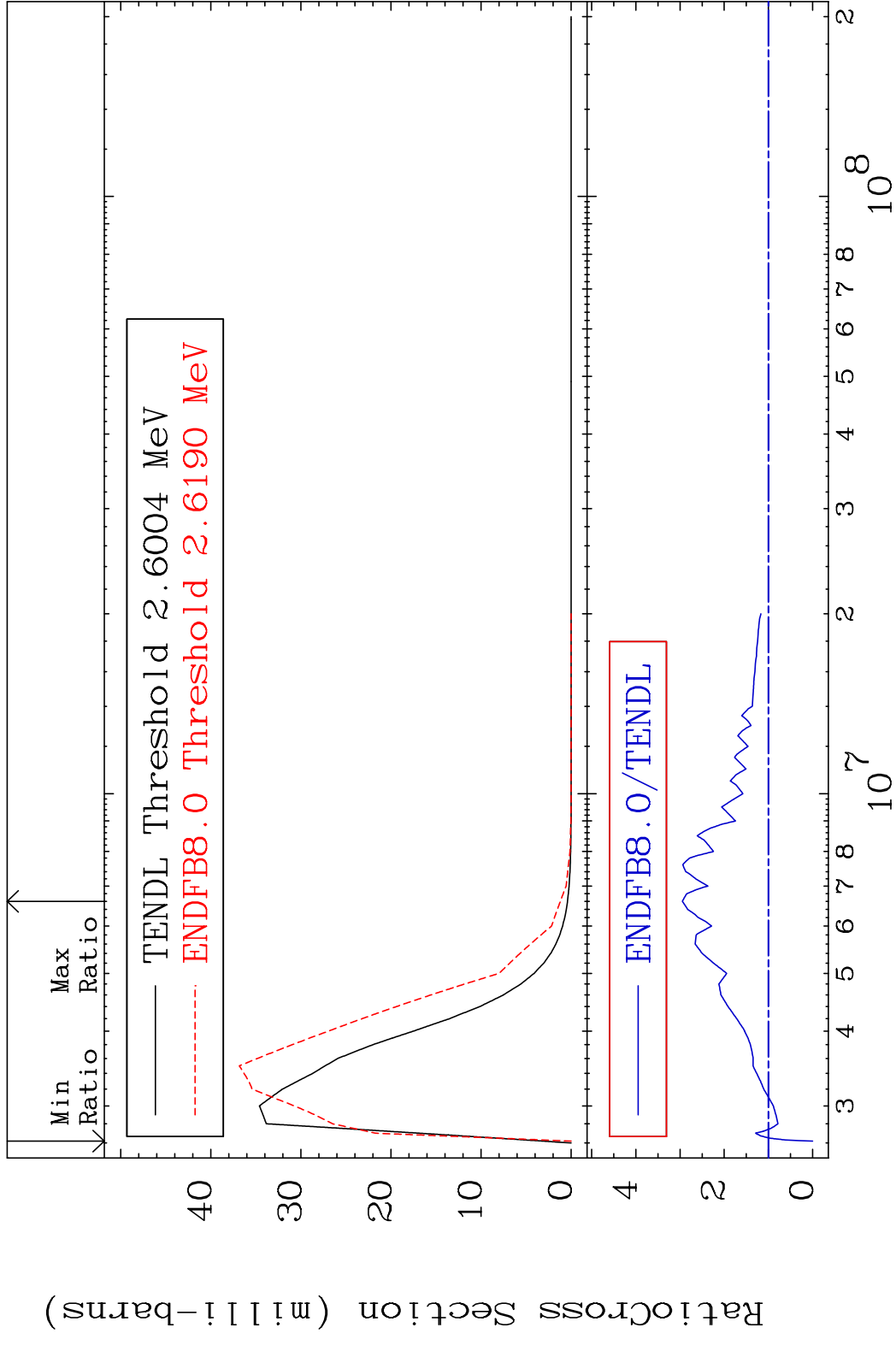
MAT 6031 MT= 75 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 85.10 %



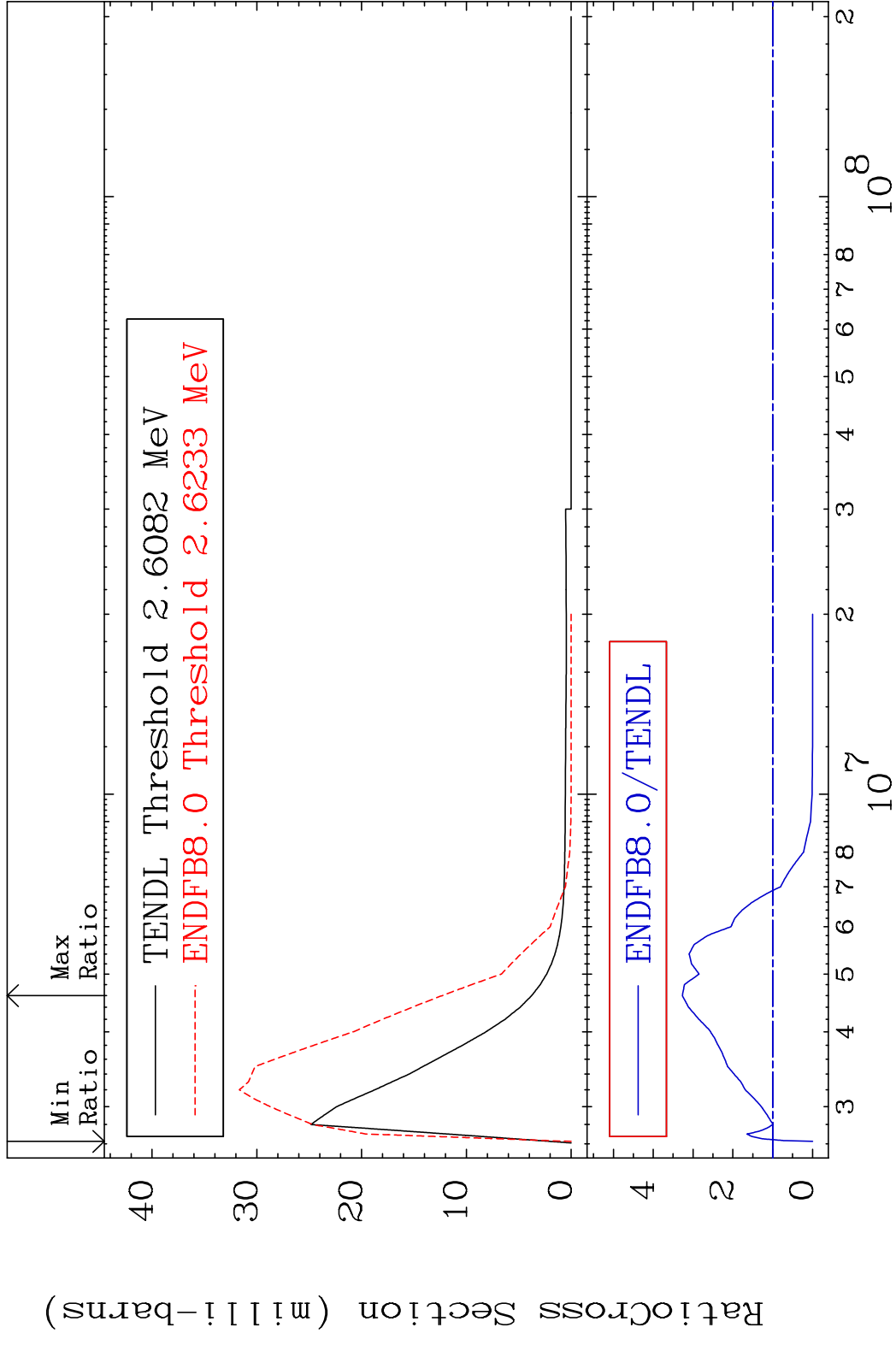
MAT 6031 MT= 76 (n,n') Level 60-Nd-144
 Cross Section -100.0 To 178.1 %



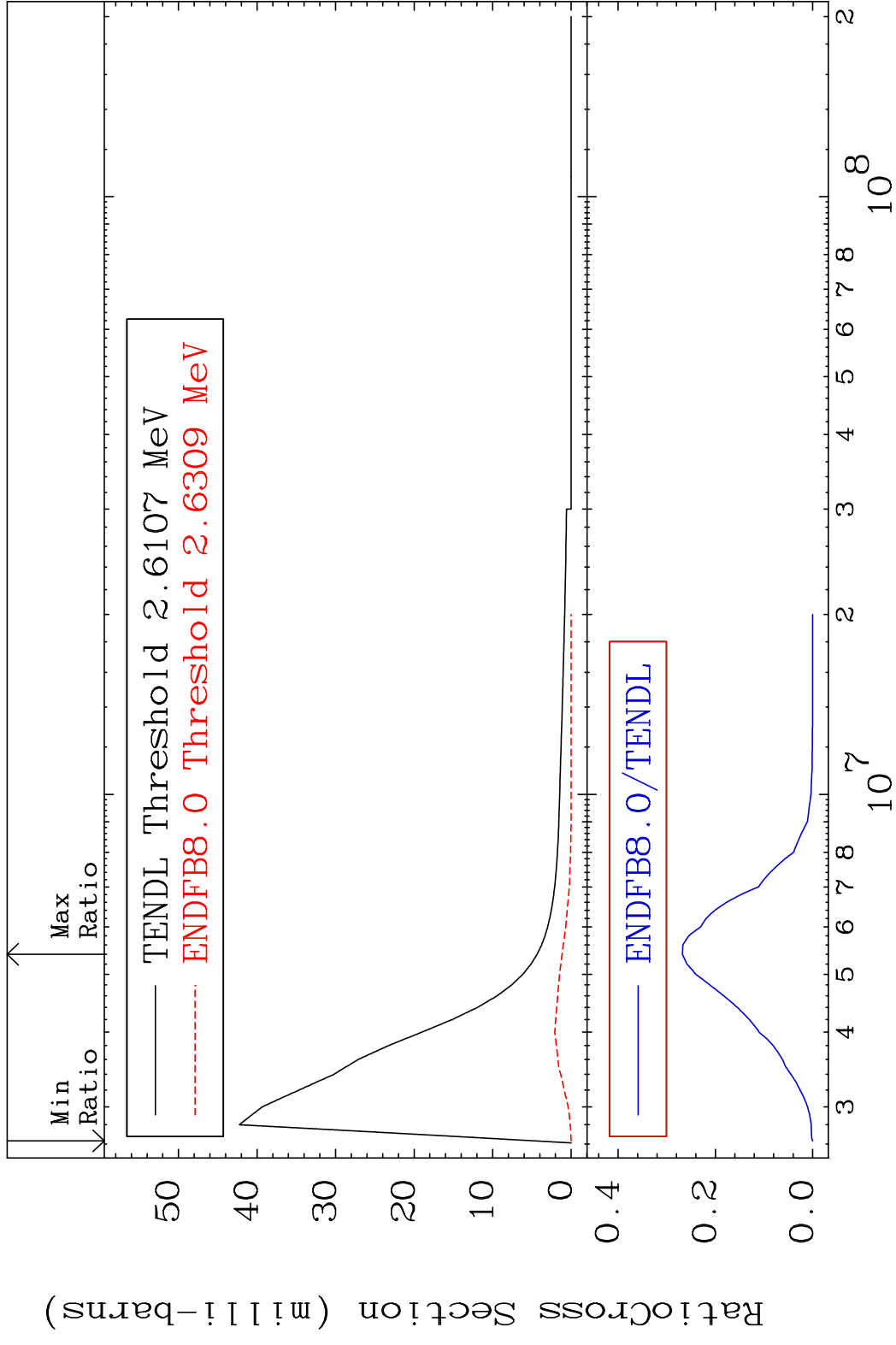
MAT 6031 MT= 77 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 194.8 %



MAT 6031 MT= 78 (n, n') Level 60-Nd-144
 Cross Section -100.0 To 226.9 %

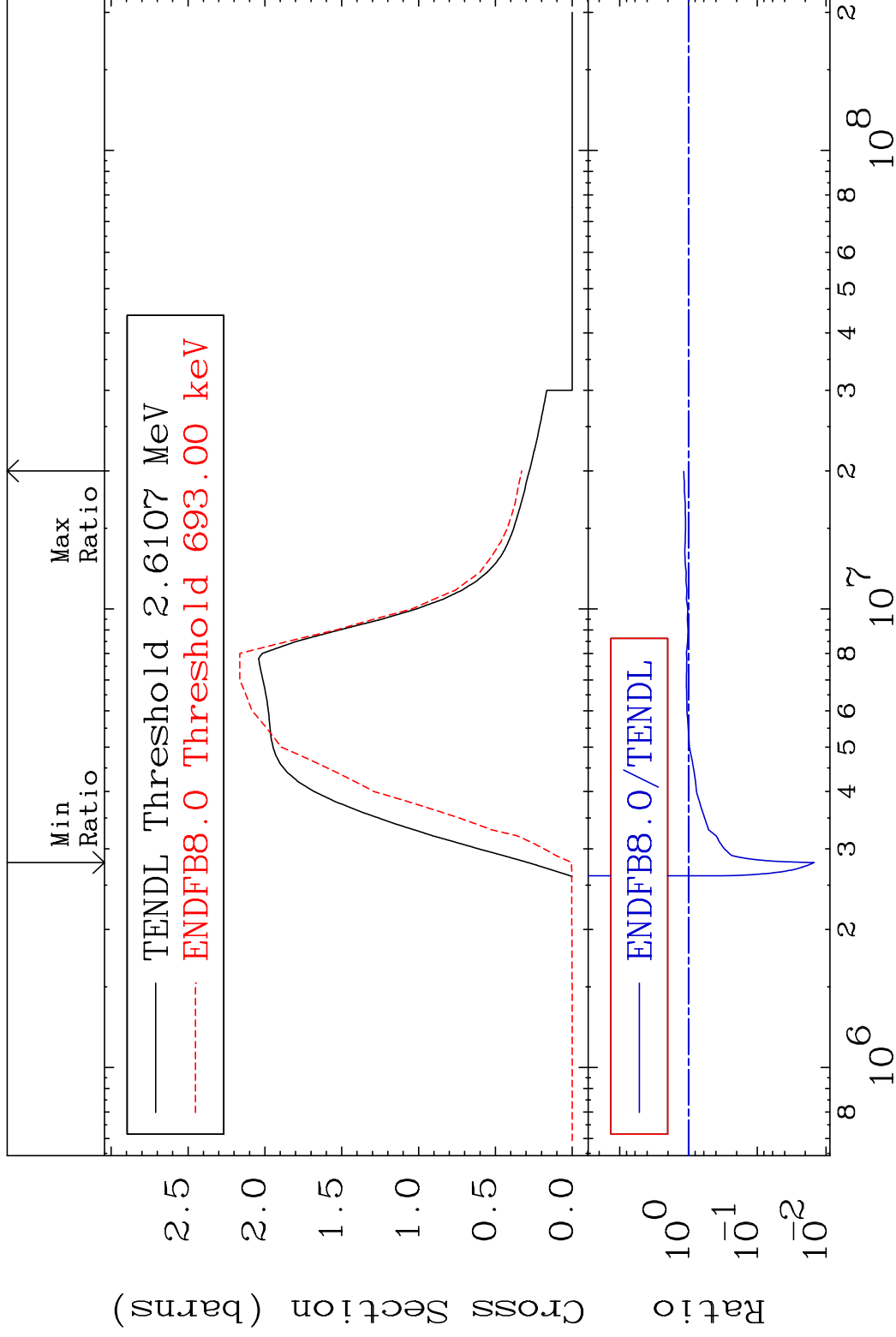


MAT 6031 MT= 79 (n,n') Level 60-Nd-144
 Cross Section -100.0 To -73.21%



MAT 6031

(n, n') Continuum 60-Nd-144
Cross Section -98.51 To 17.80 %



39

Incident Energy (eV)

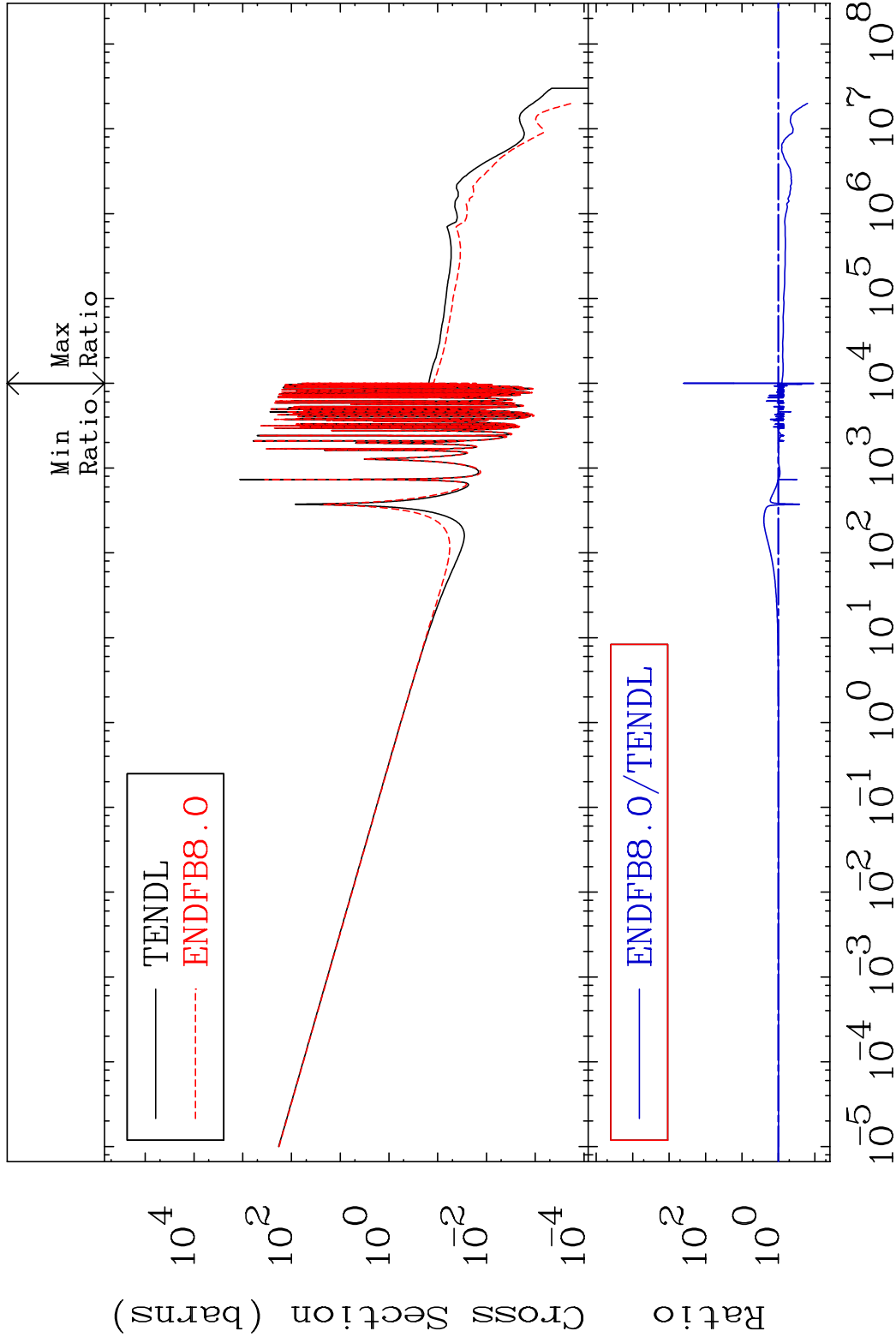
60-Nd-144

MAT 6031

(n, γ)

60-Nd-144

Cross Section -89.58 To 9999. %



40

Incident Energy (eV)

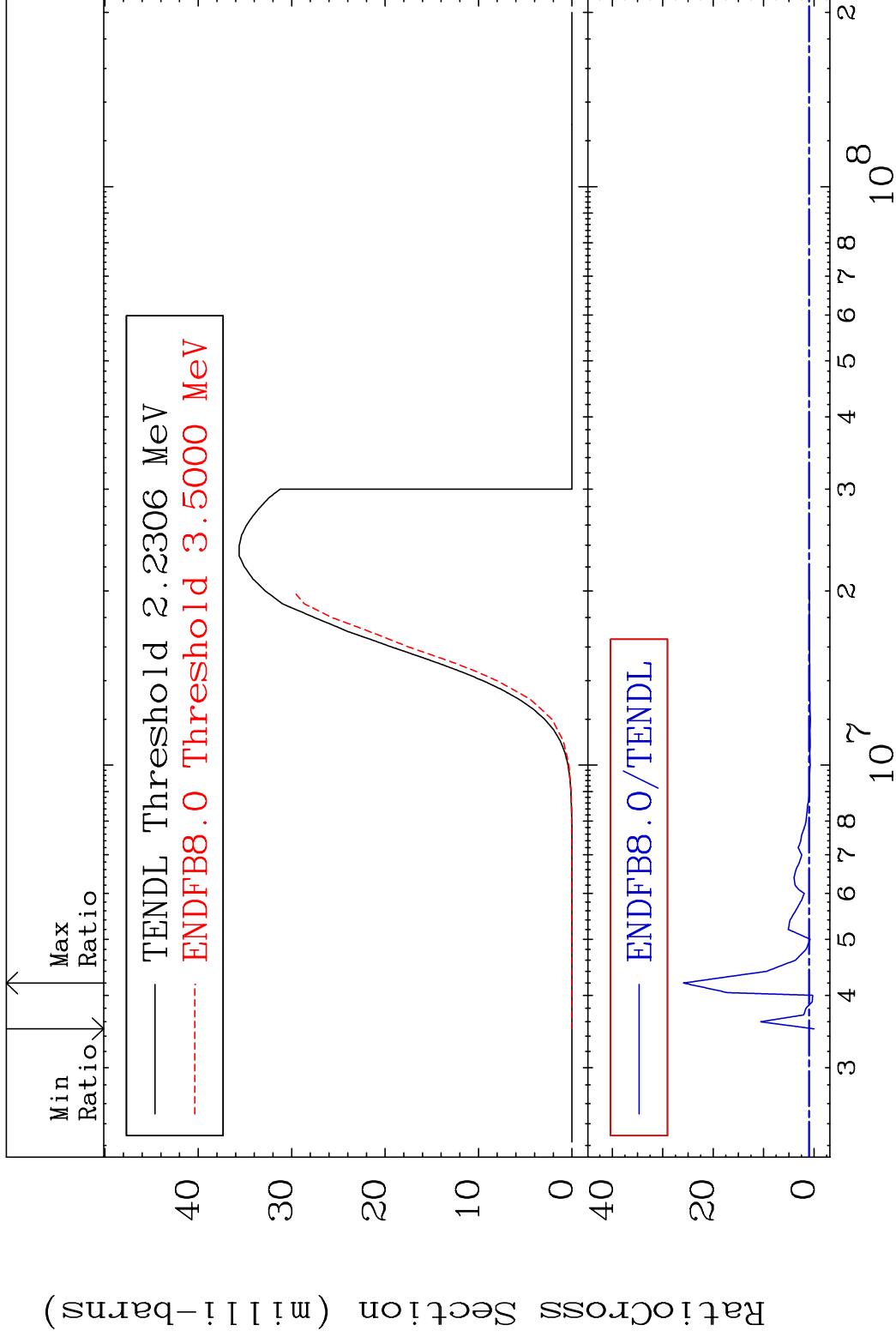
60-Nd-144

MAT 6031

(n,p)

60-Nd-144

Cross Section -100.0 To 2490. %



41

Incident Energy (eV)

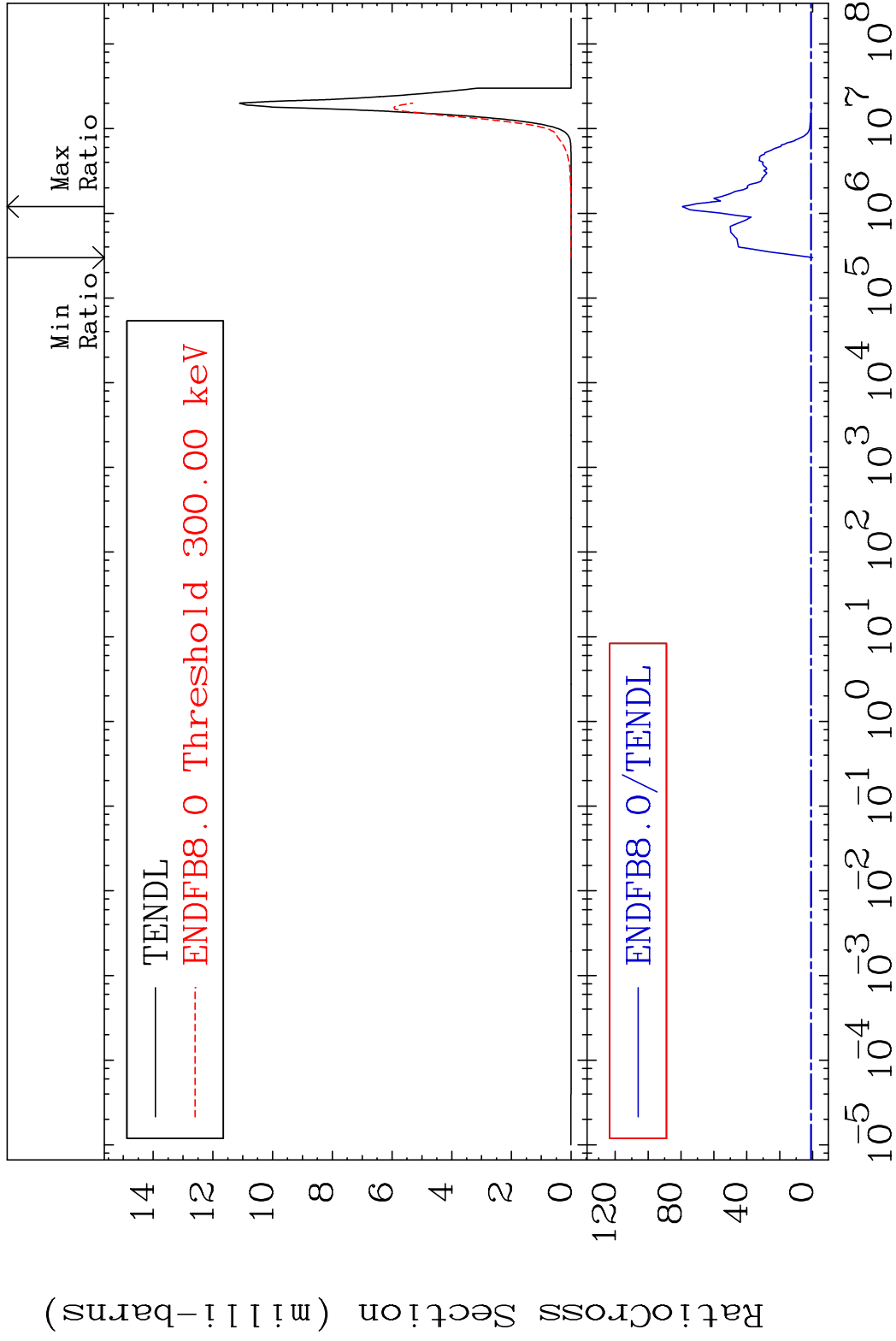
60-Nd-144

MAT 6031

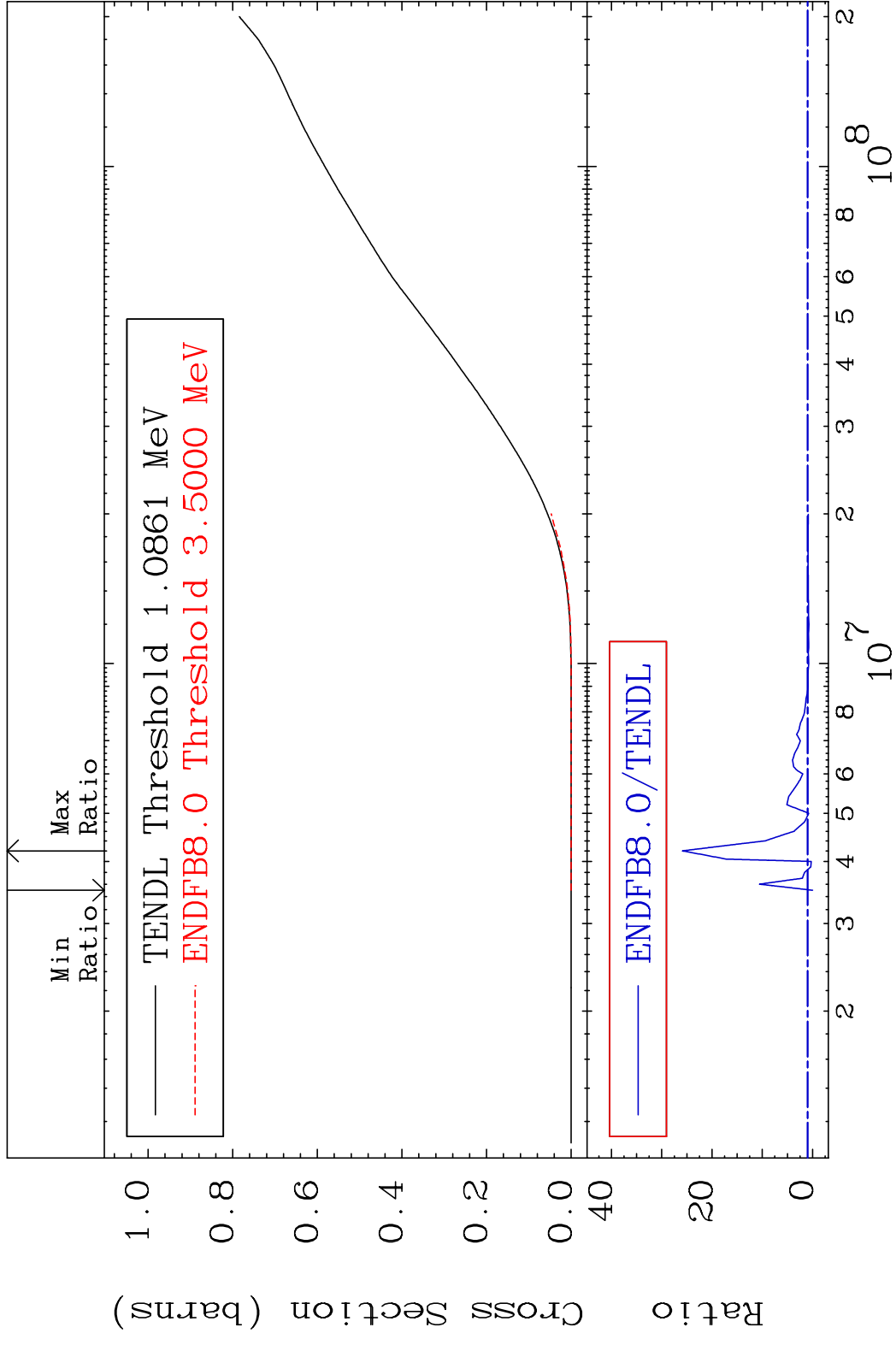
(n, α)

60-Nd-144

Cross Section -100.0 To 7817. %



MAT 6031 Hydrogen Production 60-Nd-144
 Cross Section -100.0 To 2490. %

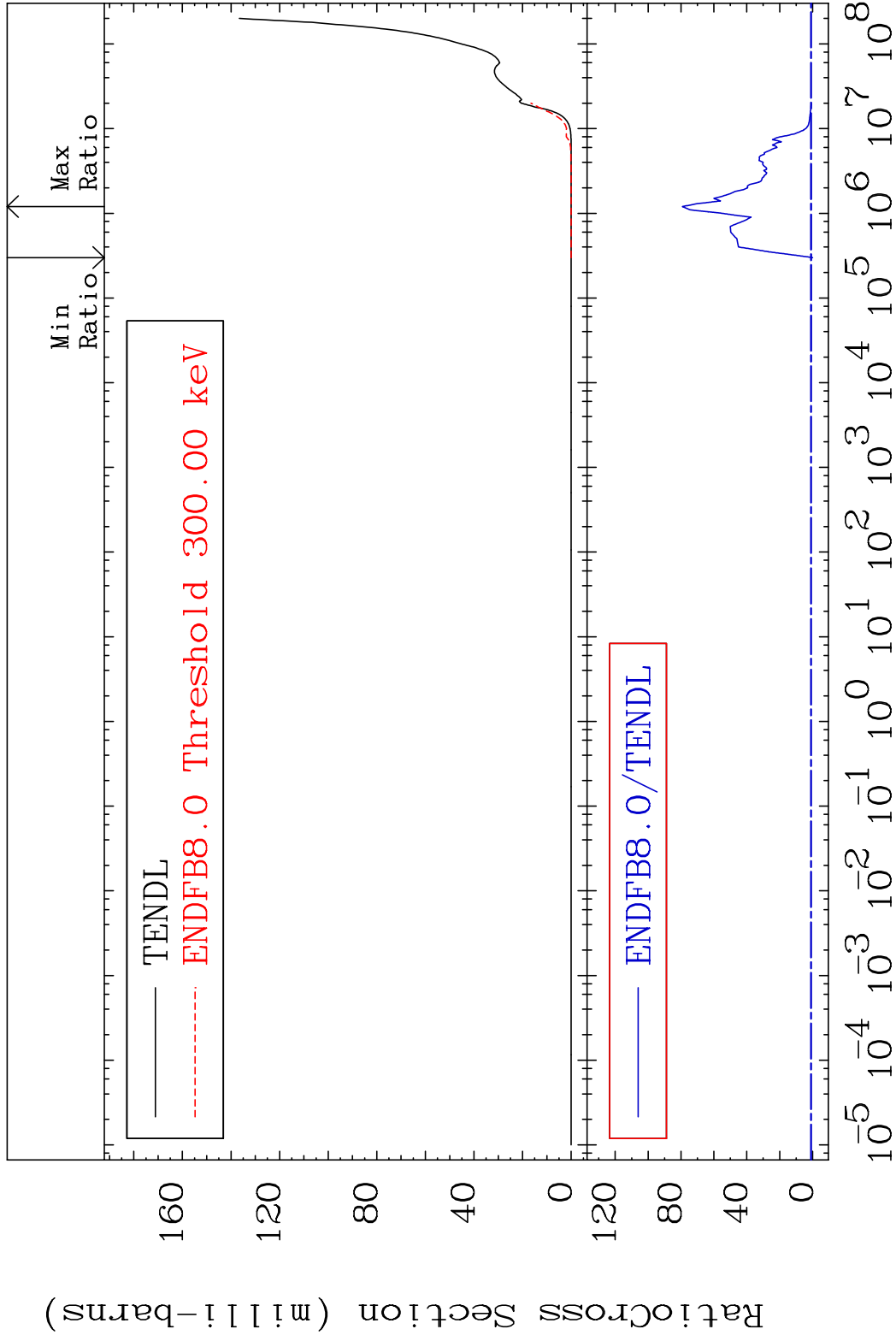


MAT 6031

He-4 Production

60-Nd-144

Cross Section -100.0 To 7817. %

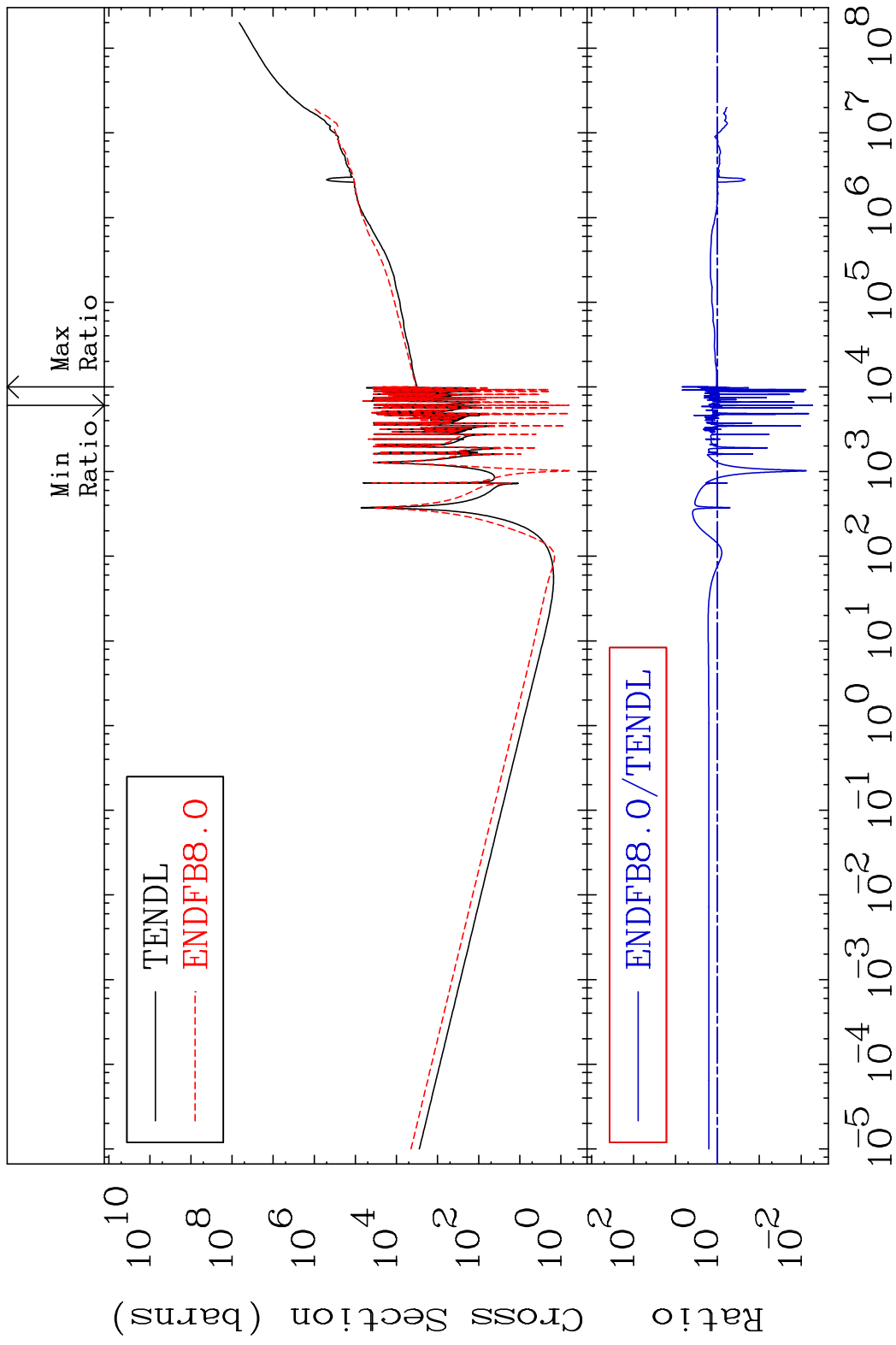


44

Incident Energy (eV)

60-Nd-144

MAT 6031 Kerma total (eV-barns) 60-Nd-144
Cross Section -99.47 To 584.5 %

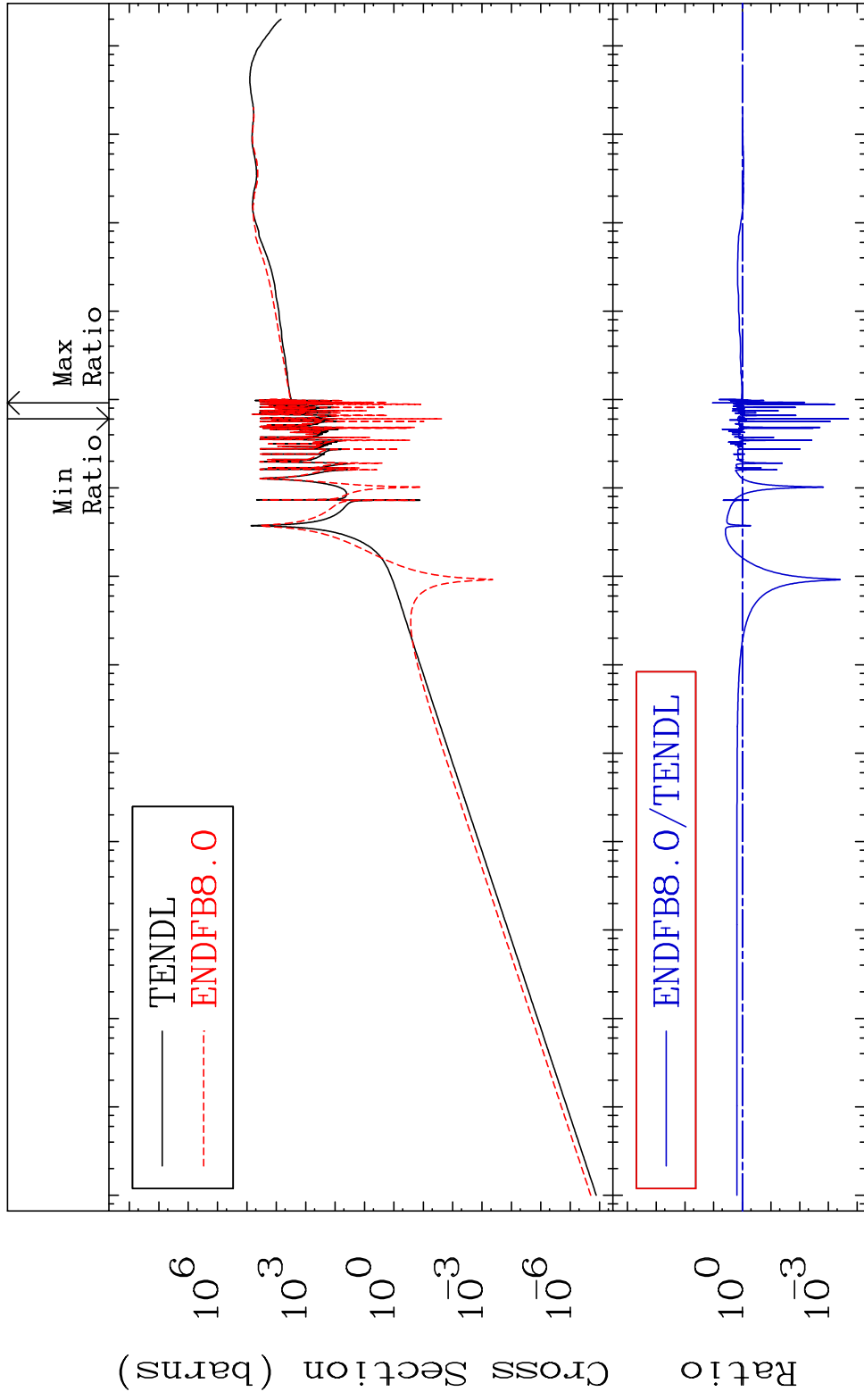


45 Incident Energy (eV) 60-Nd-144

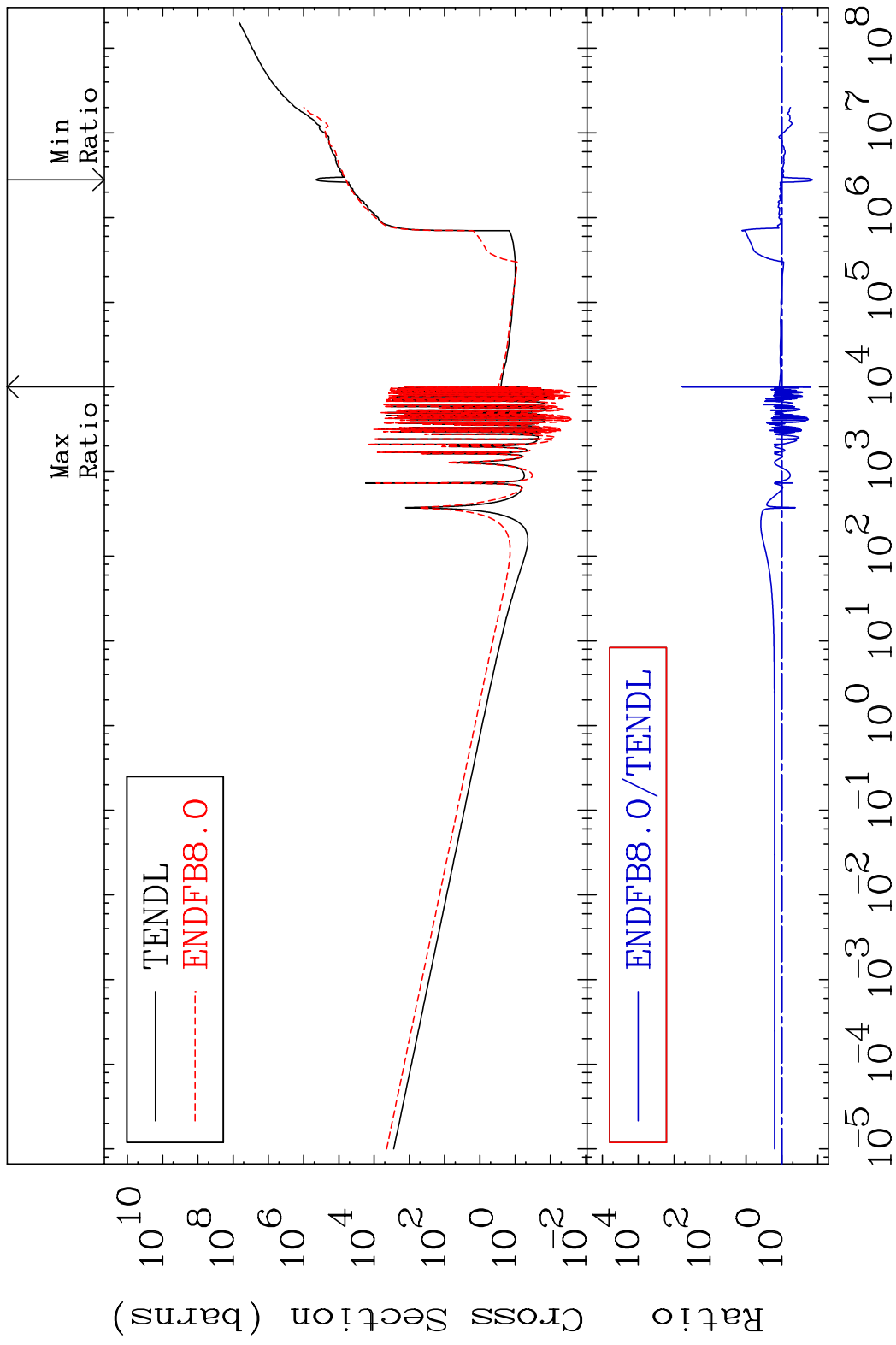
MAT 6031

Kerma elastic
Cross Section

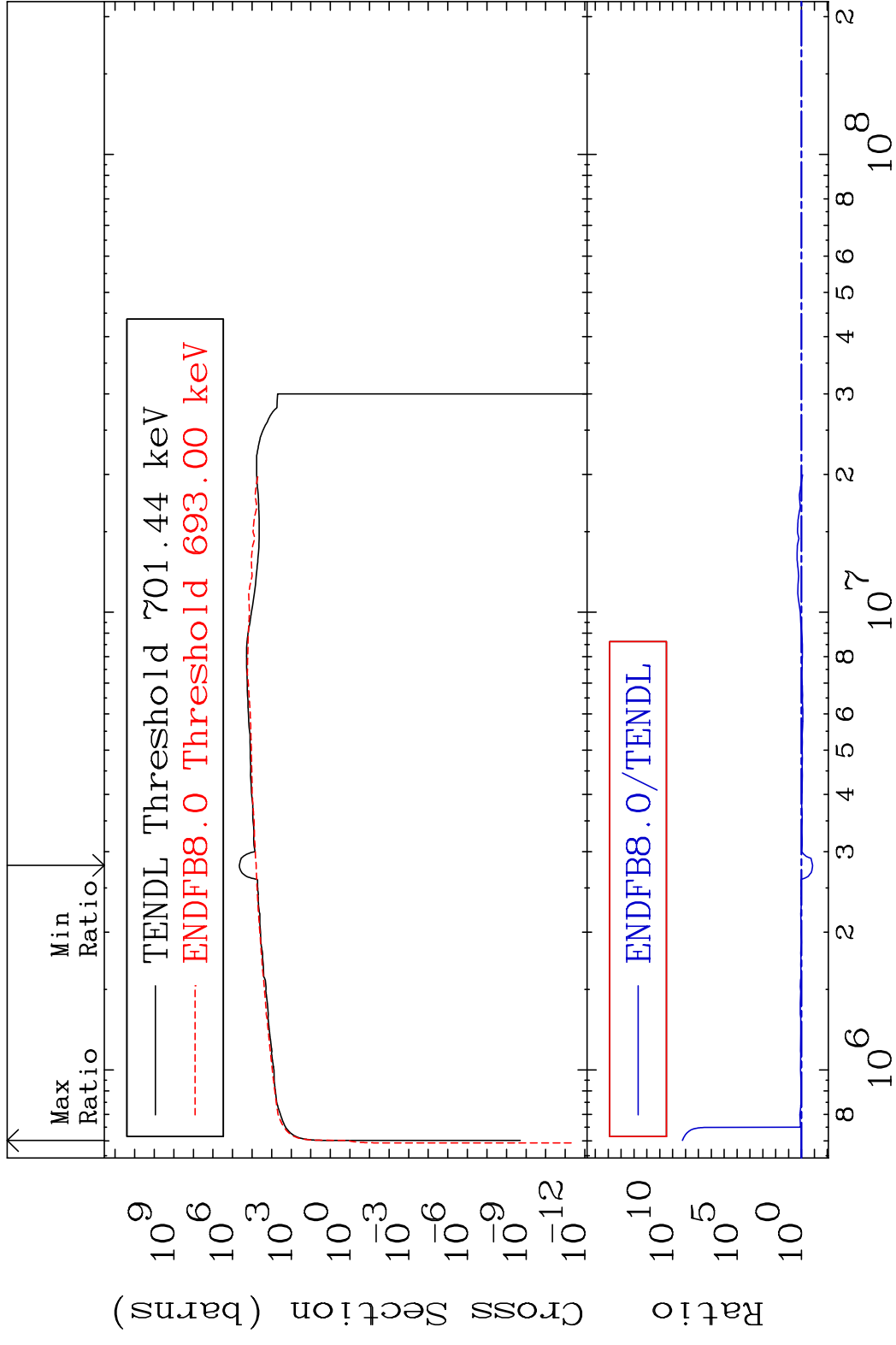
60-Nd-144
-99.98 To 1006. %



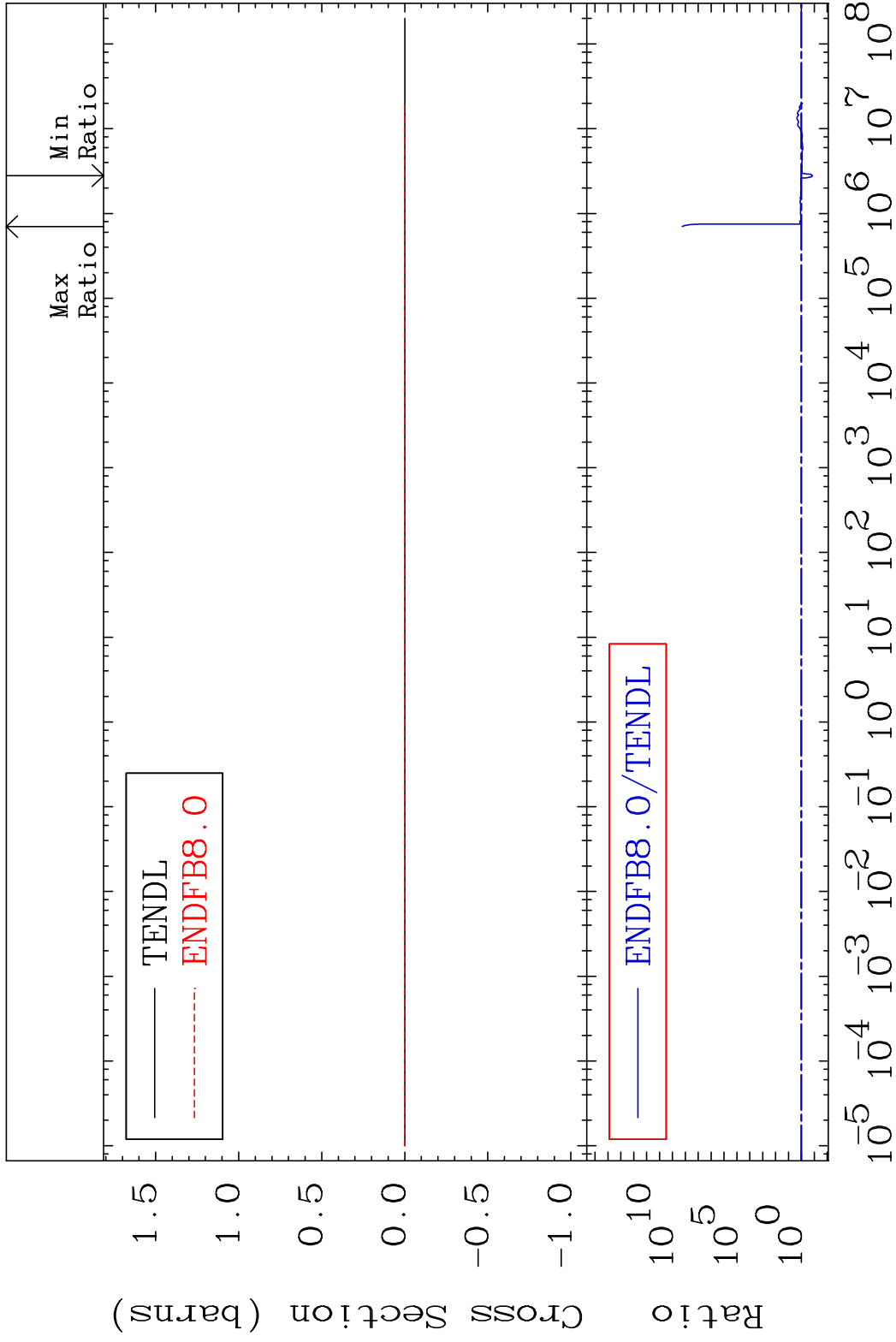
MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144
 Cross Section -86.04 To 9999. %



MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144
 Cross Section -86.11 To 9999. %



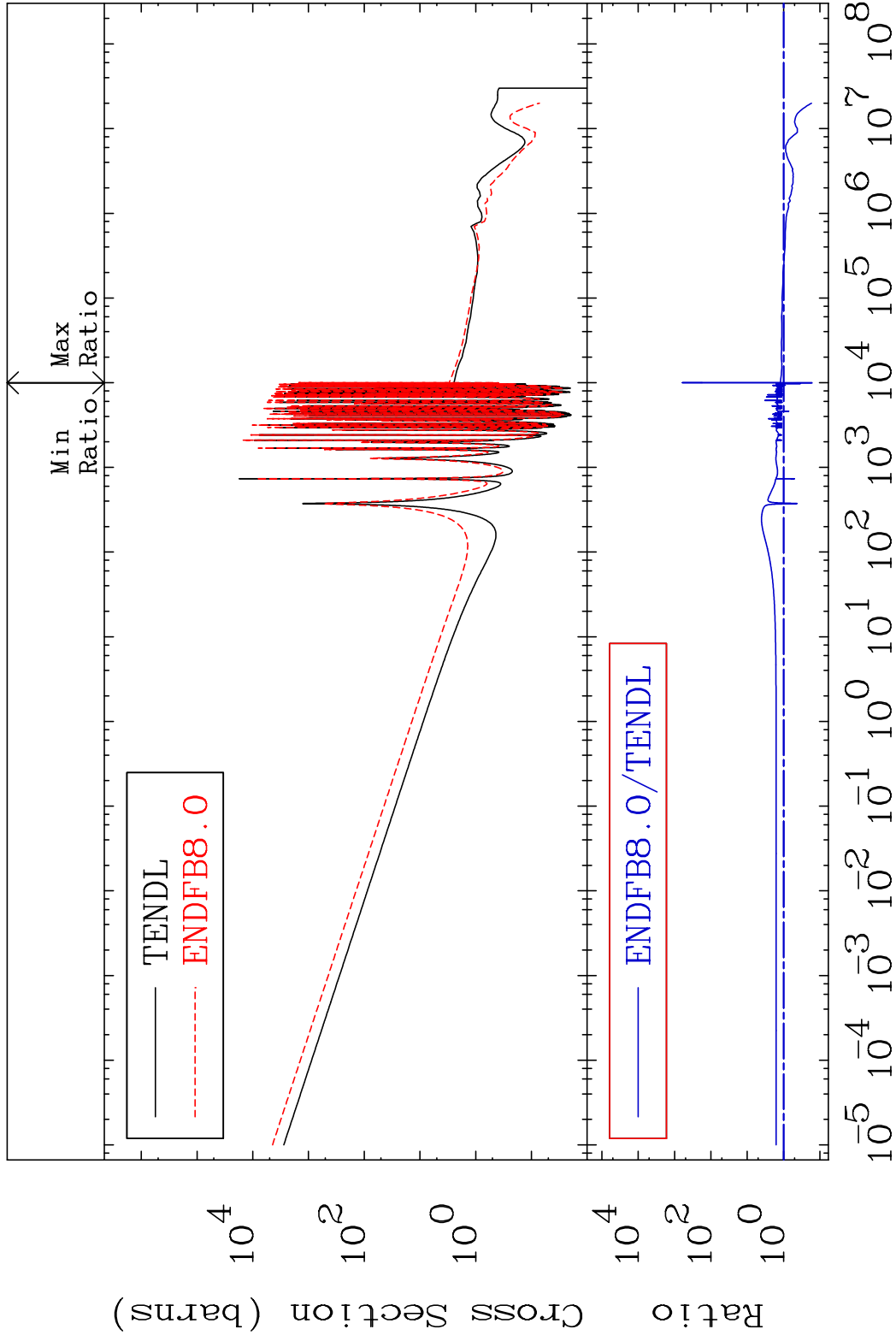
MAT 6031 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-144
 Cross Section -86.11 To 9999. %



MAT 6031

Kerma capture (mt102) 60-Nd-144

Cross Section -84.08 To 9999. %

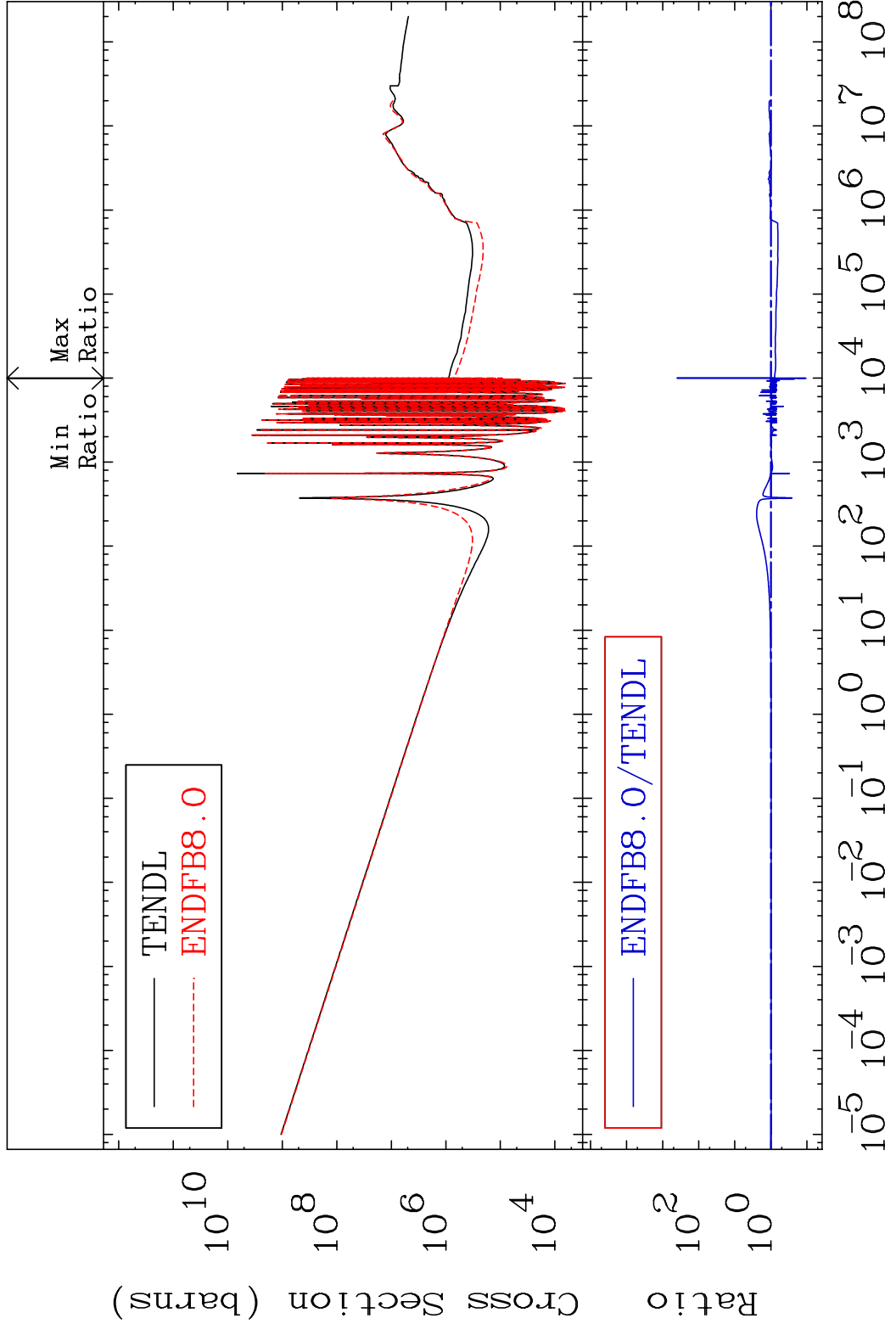


50

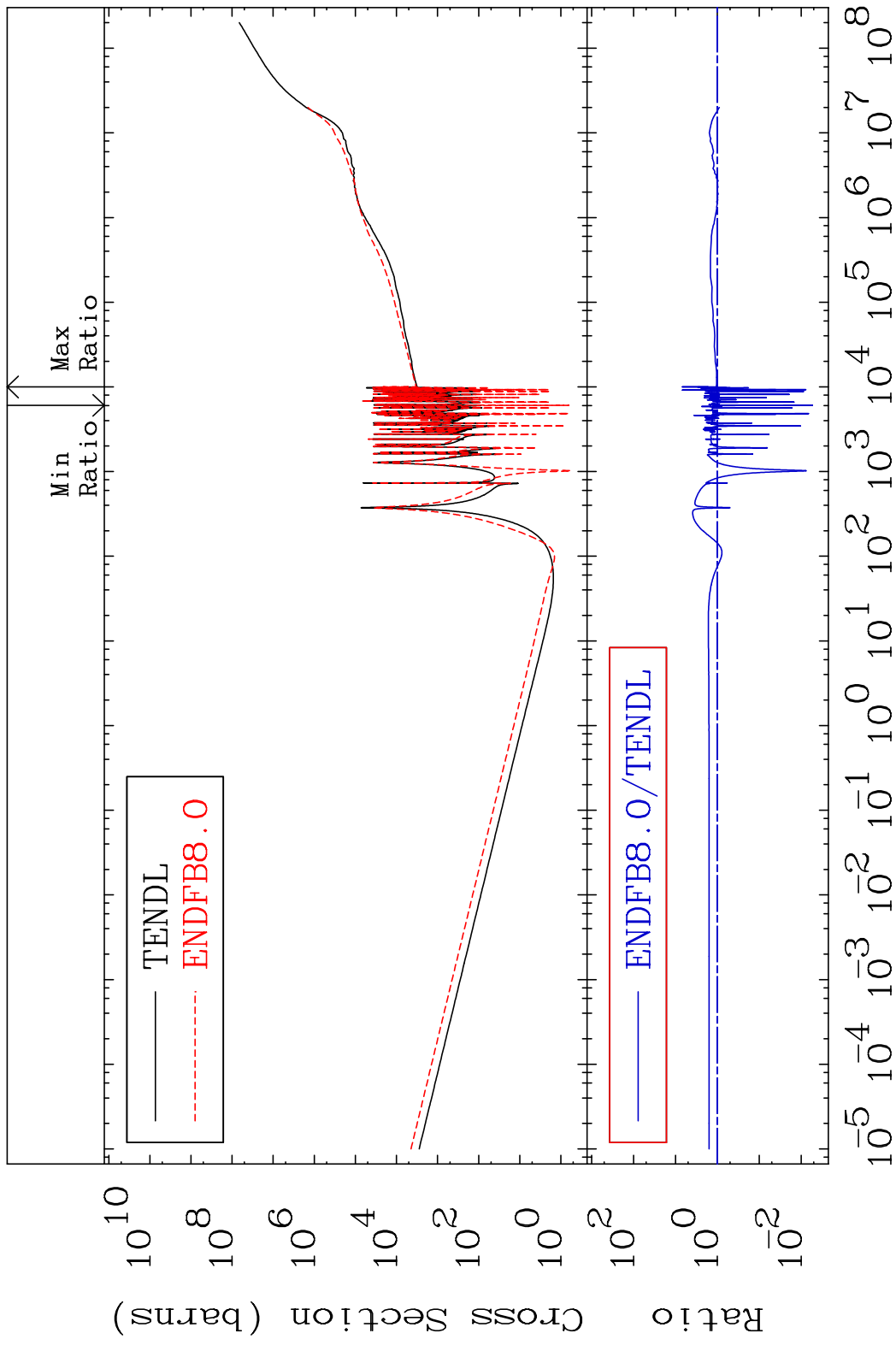
Incident Energy (eV)

60-Nd-144

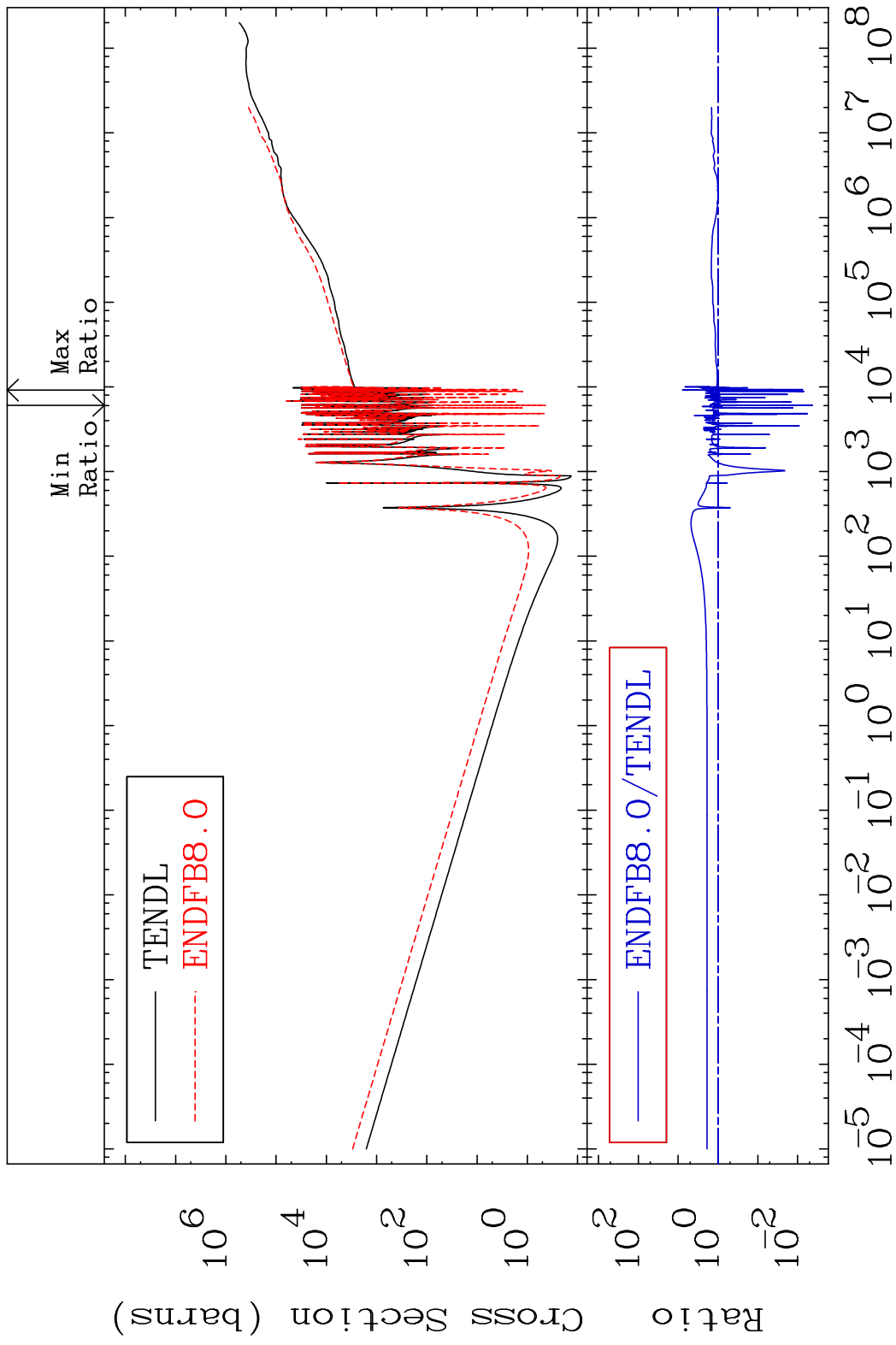
MAT 6031 Total photon (eV-barns) 60-Nd-144
 Cross Section -89.66 To 9999. %



MAT 6031 Total kinematic kerma (high limit) 60-Nd-144
 Cross Section -99.47 To 584.5 %



MAT 6031 Dpa total (eV-barns) 60-Nd-144
 Cross Section -99.58 To 682.5 %



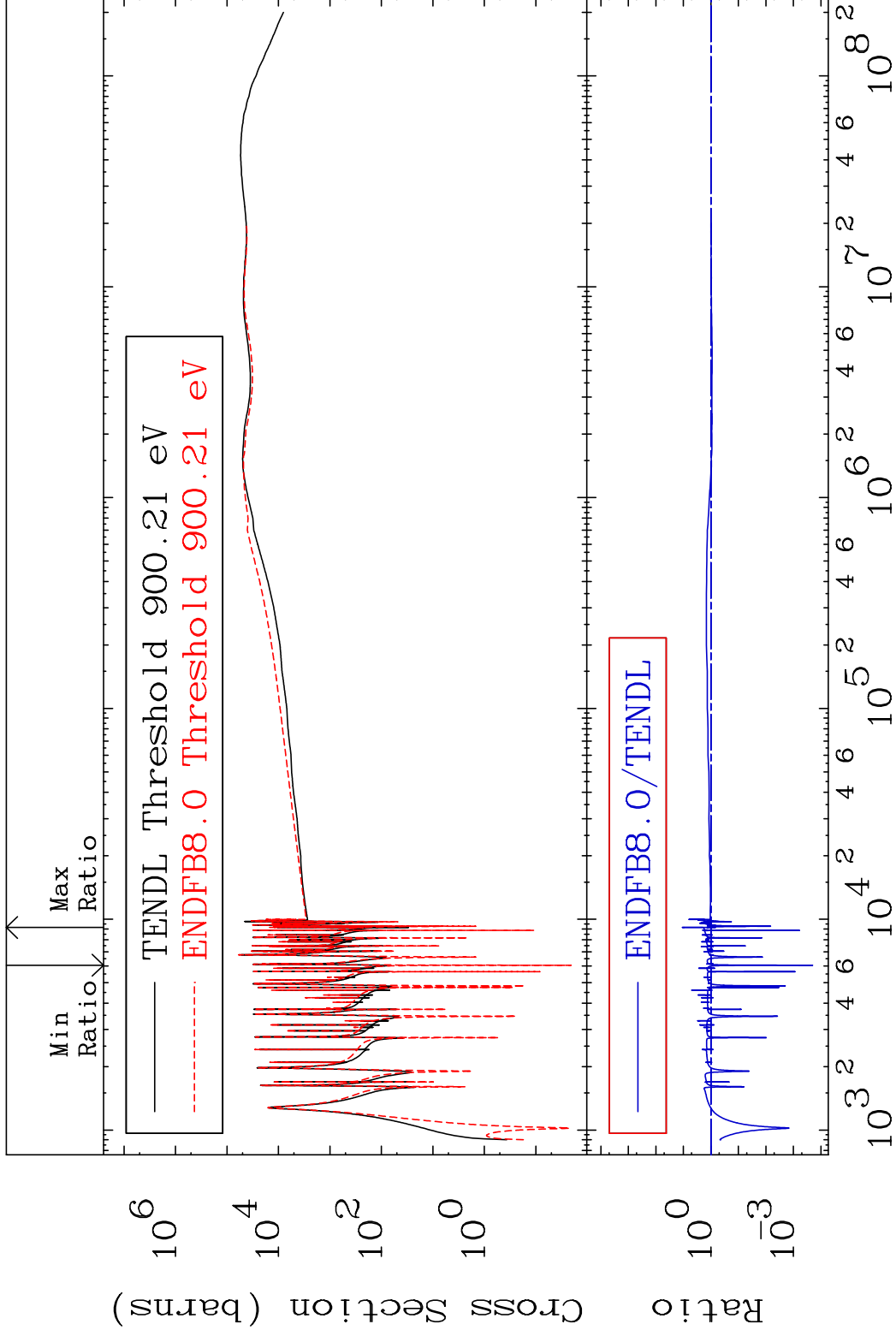
53 Incident Energy (eV) 60-Nd-144

MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.98 To 1007. %

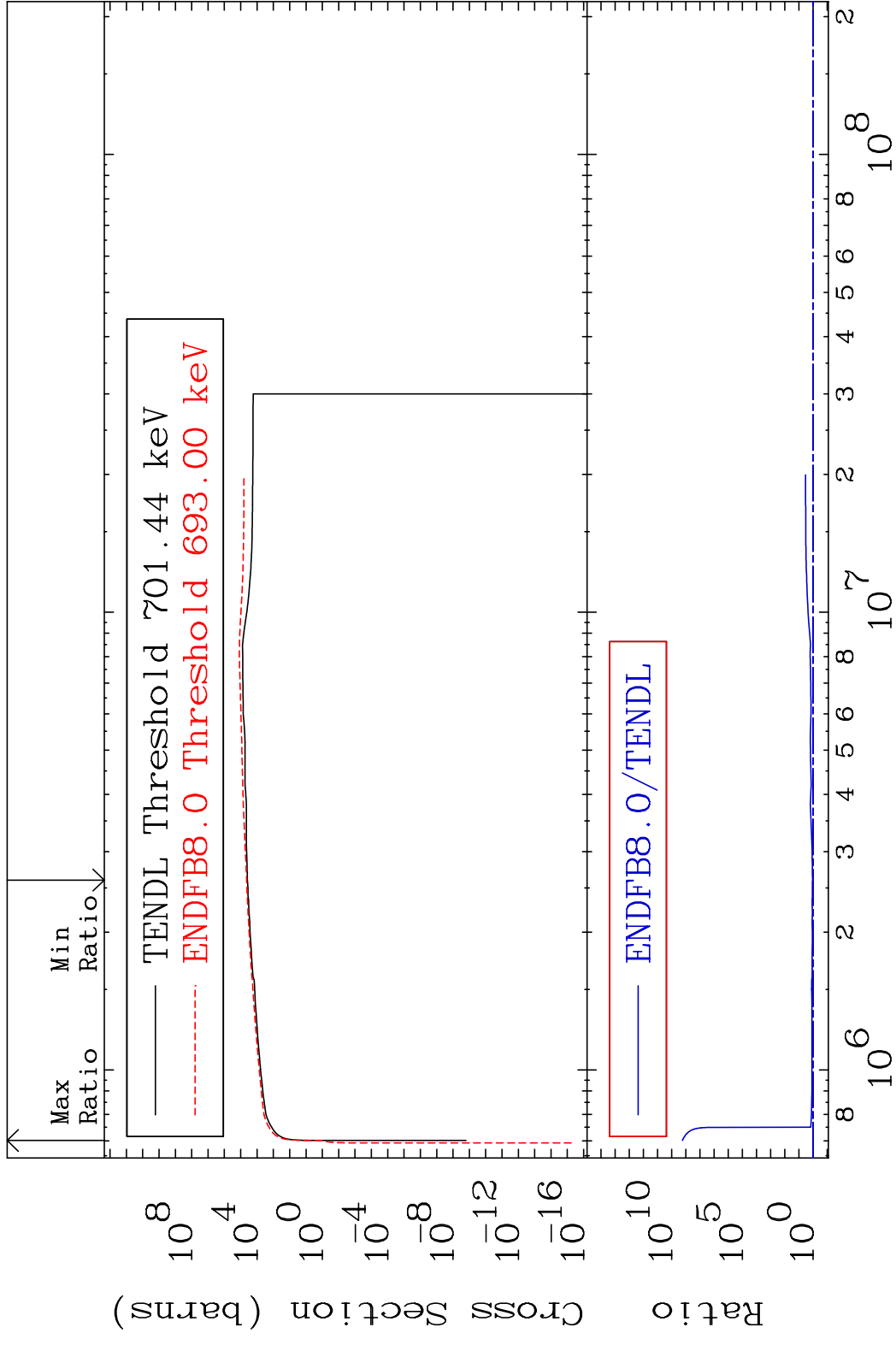


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Incident Energy (eV)

60-Nd-144

MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144
 Cross Section 9.908 To 9999. %



MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144
 Cross Section -81.47 To 9999. %

