

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

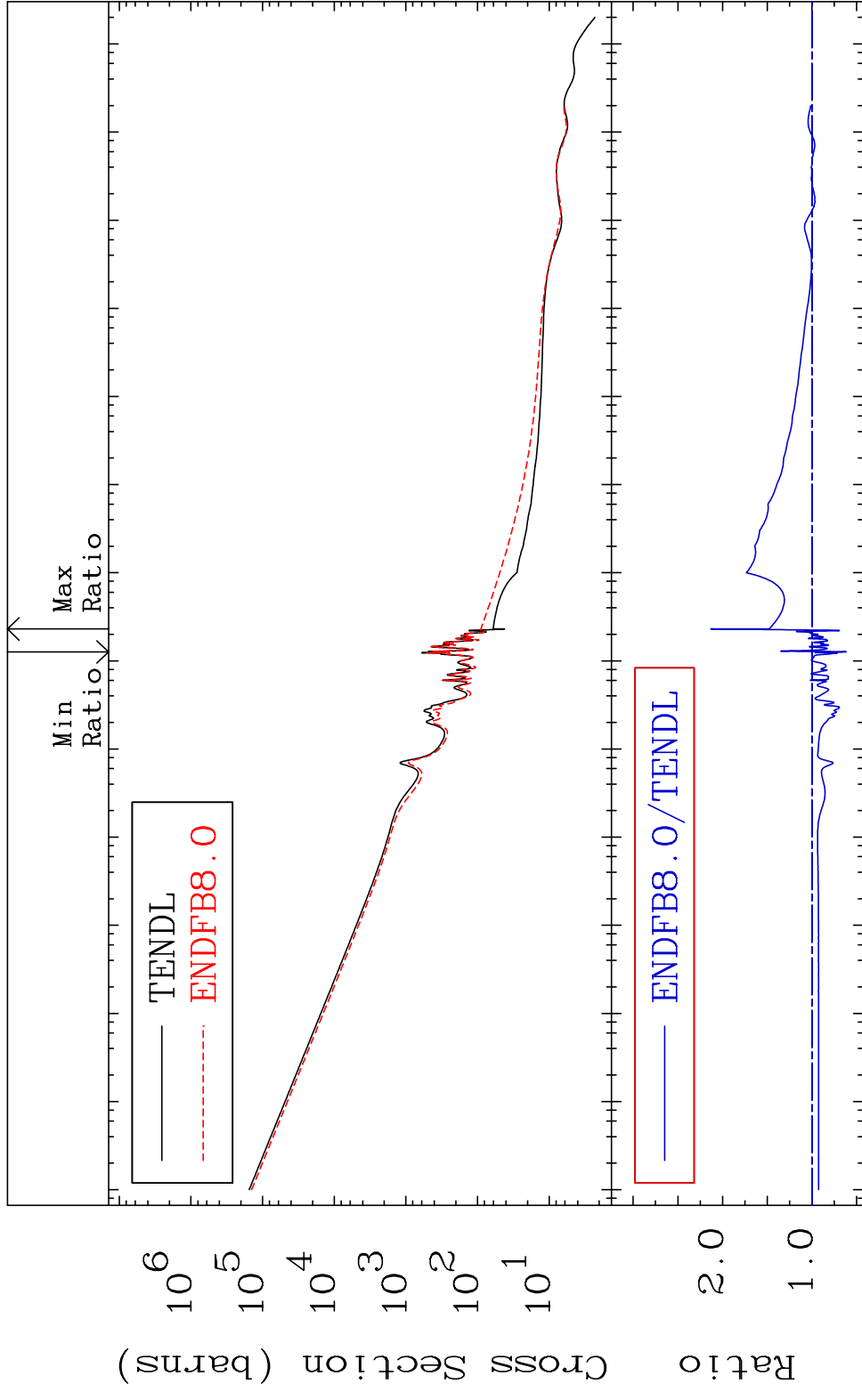
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9343

Total
Cross Section -38.43 To 113.3 %

93-Np-236



1

Incident Energy (eV)

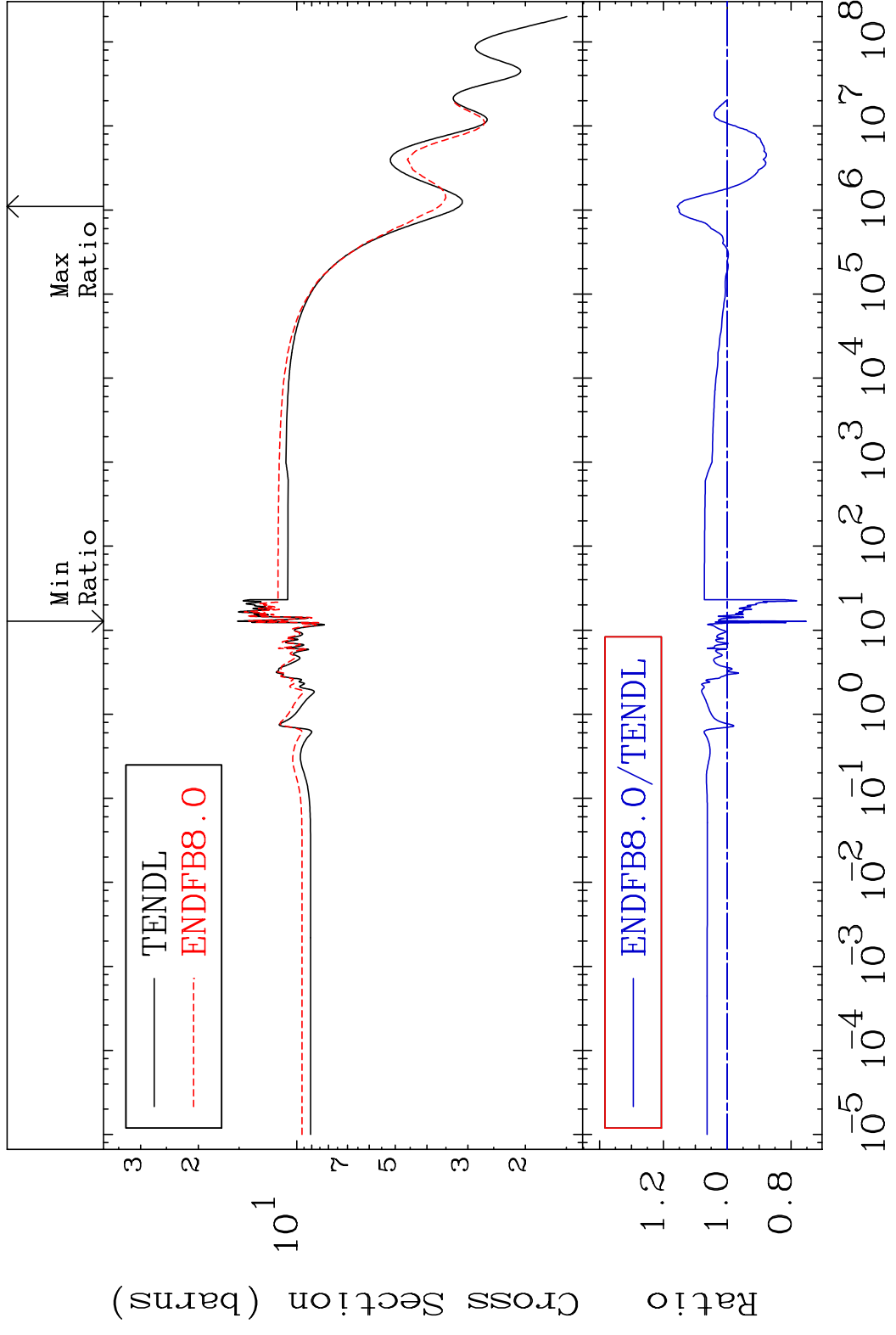
93-Np-236

MAT 9343

Elastic

93-Np-236

Cross Section -24.84 To 15.67 %



2

Incident Energy (eV)

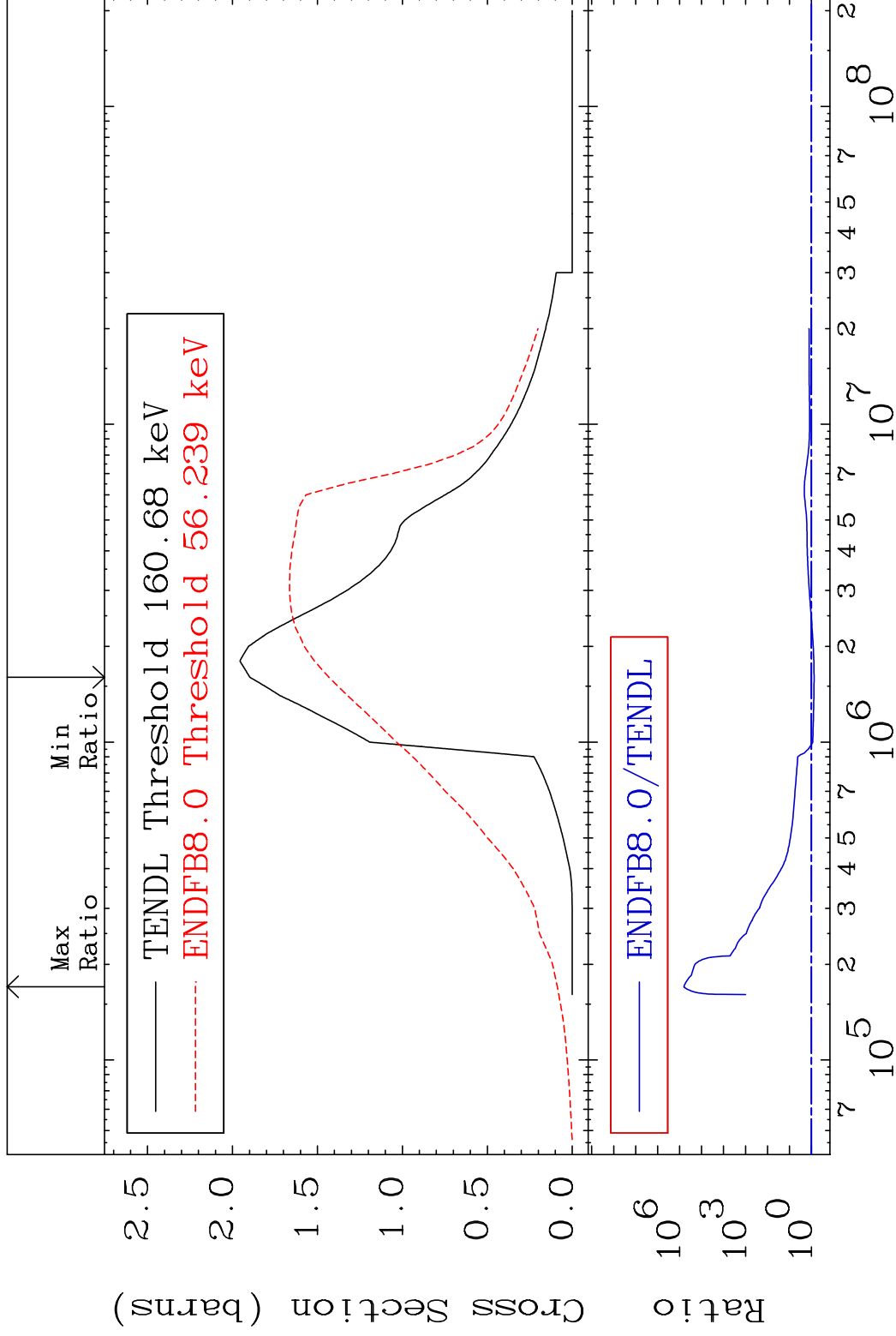
93-Np-236

MAT 9343

Inelastic

93-Np-236

Cross Section -24.53 To 9999. %

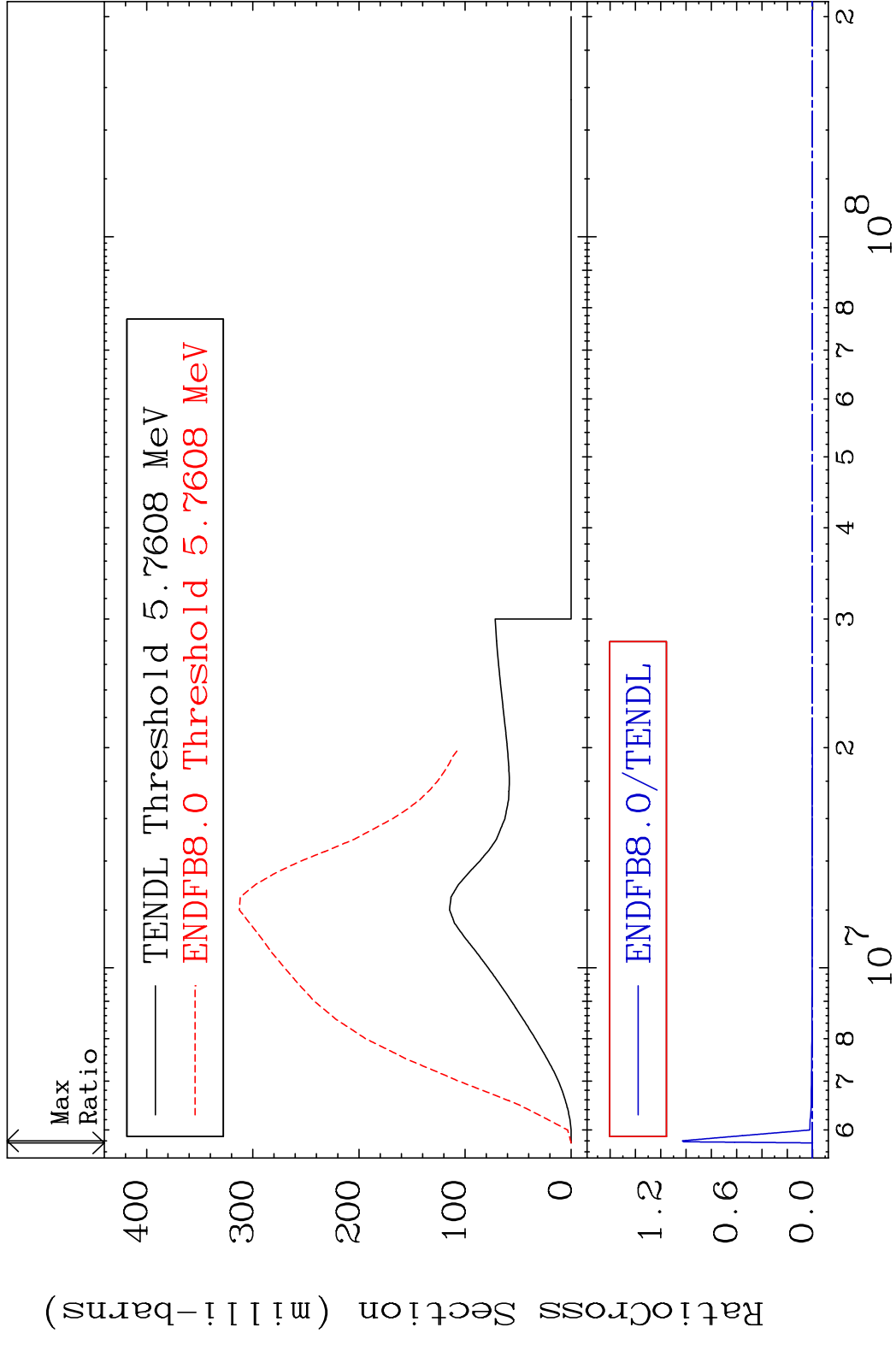


3

Incident Energy (eV)

93-Np-236

MAT 9343 (n,2n) 93-Np-236
 Cross Section -100.0 To 9999. %



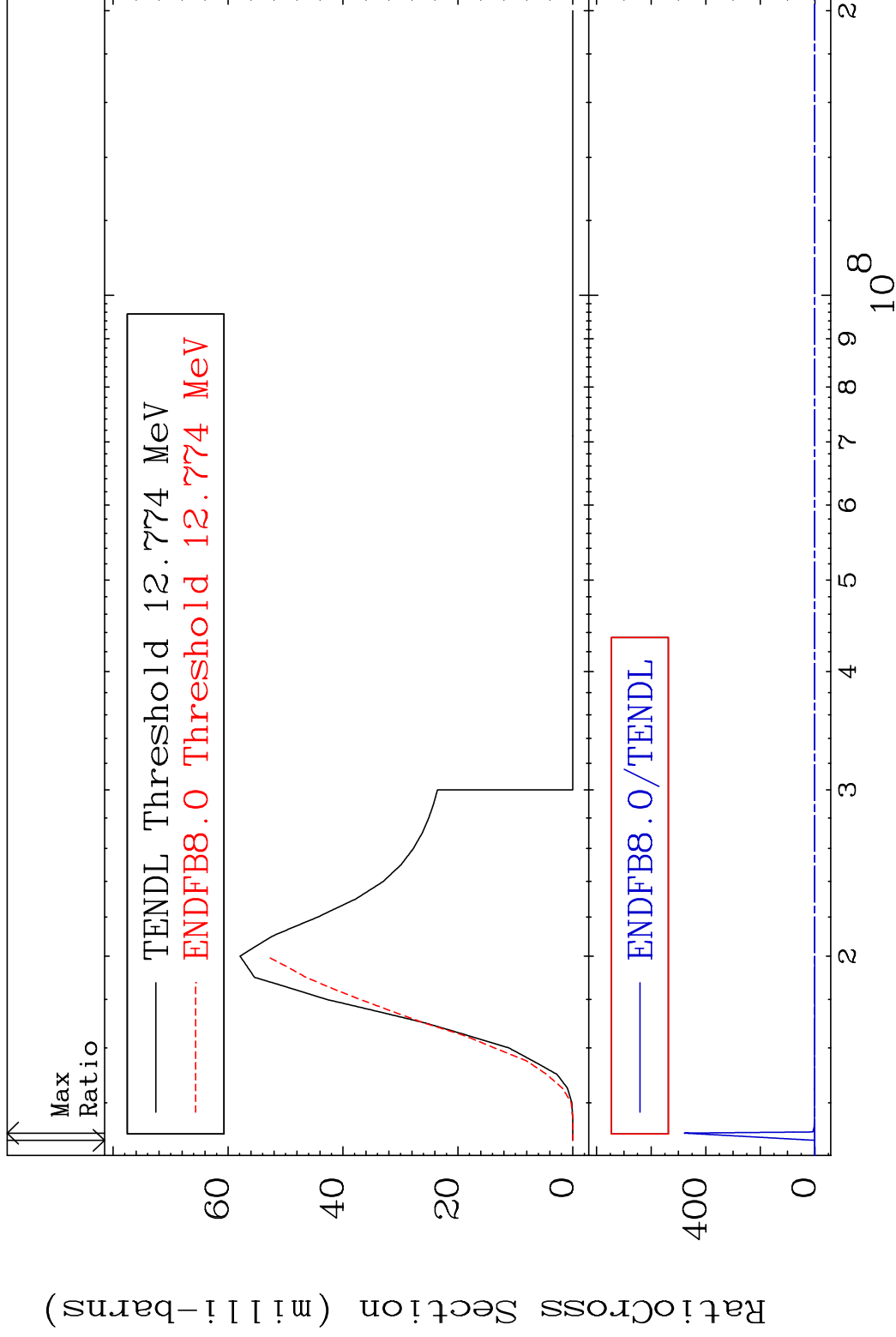
4 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 93-Np-236

MAT 9343

(n,3n)

93-Np-236

Cross Section -100.0 To 9999. %



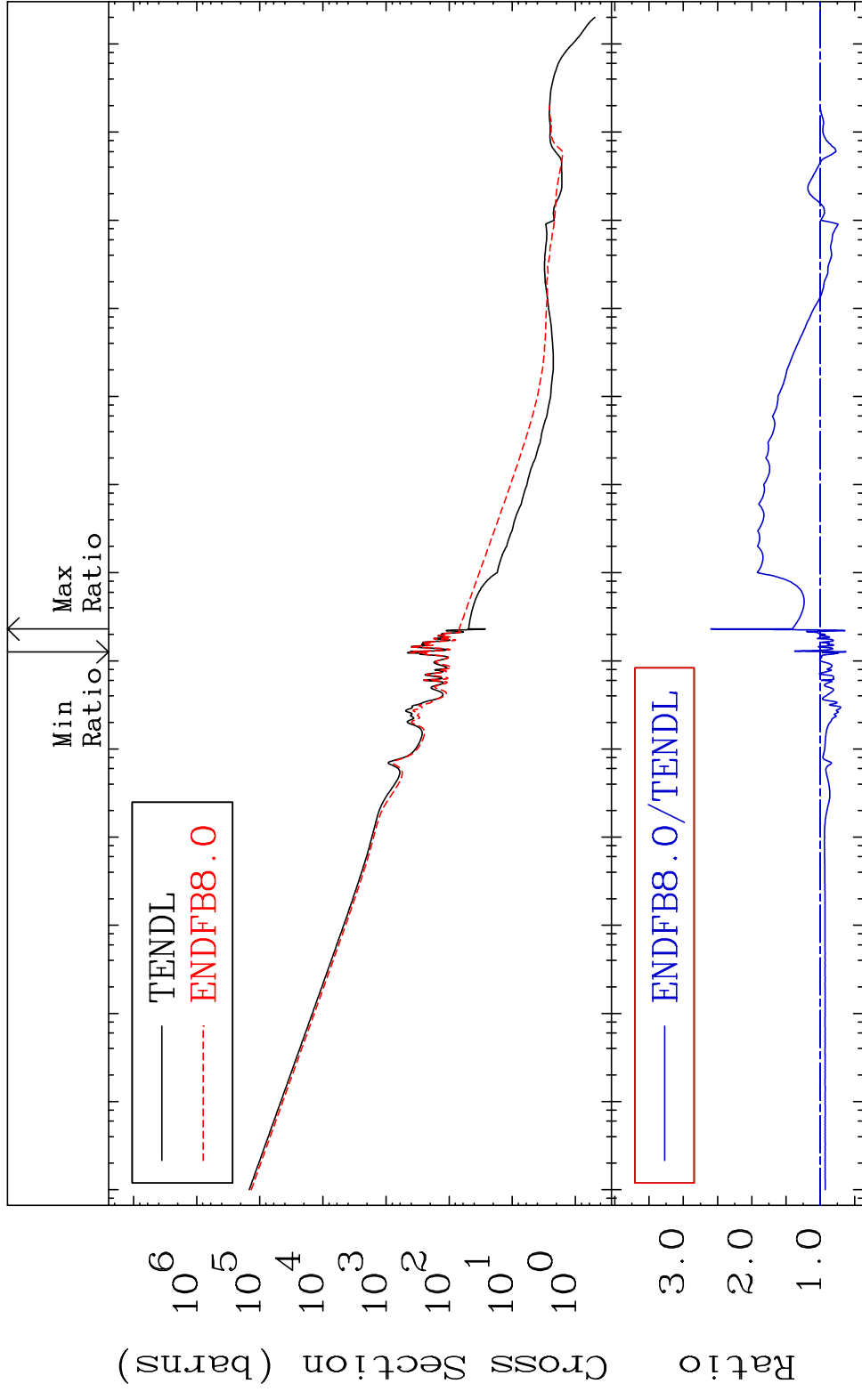
5

Incident Energy (eV)

93-Np-236

MAT 9343

Fission
Cross Section -37.94 To 160.0 %

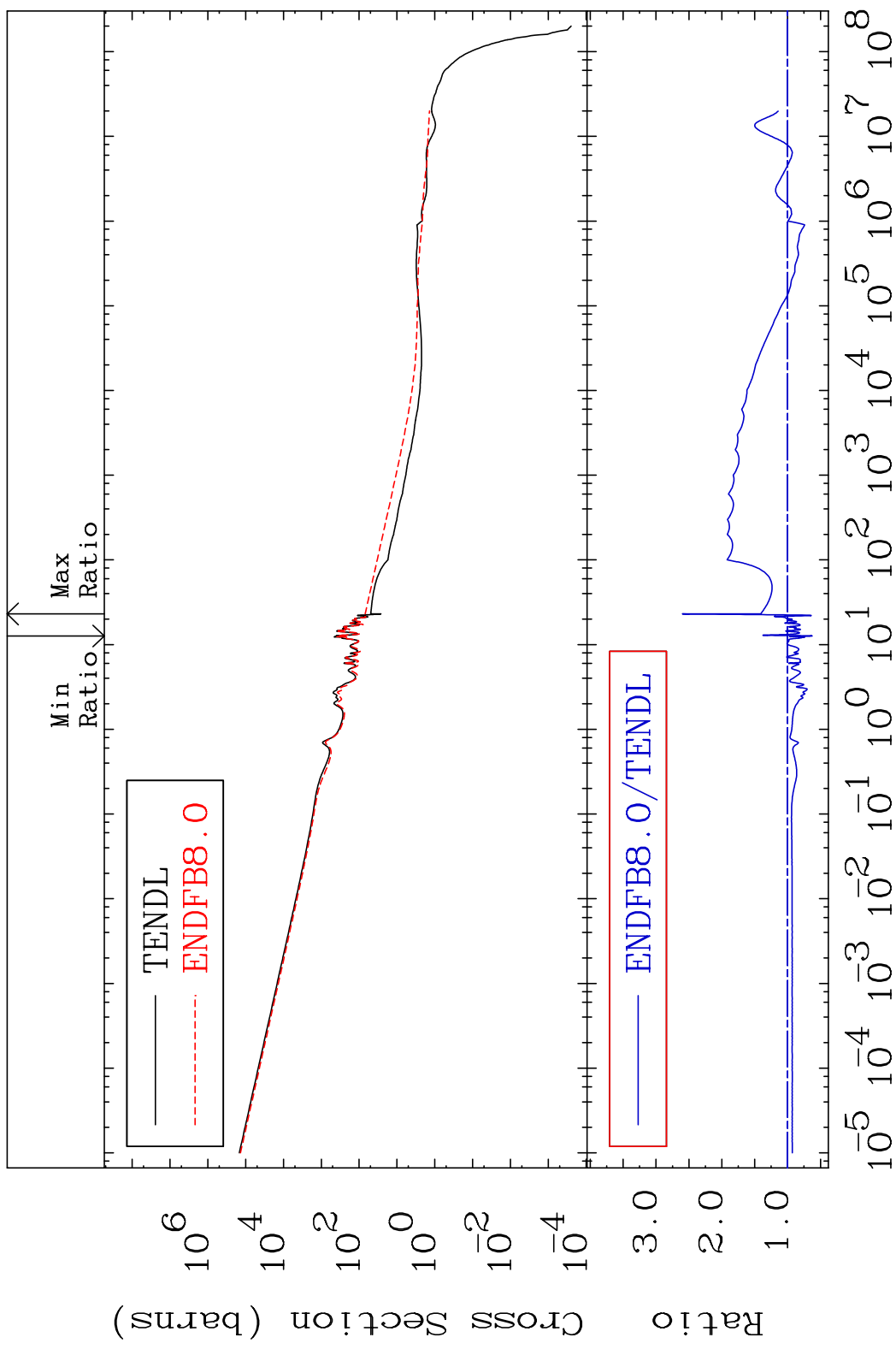


MAT 9343

(n,f) First Chance

93-Np-236

Cross Section -37.94 To 160.0 %



7

Incident Energy (eV)

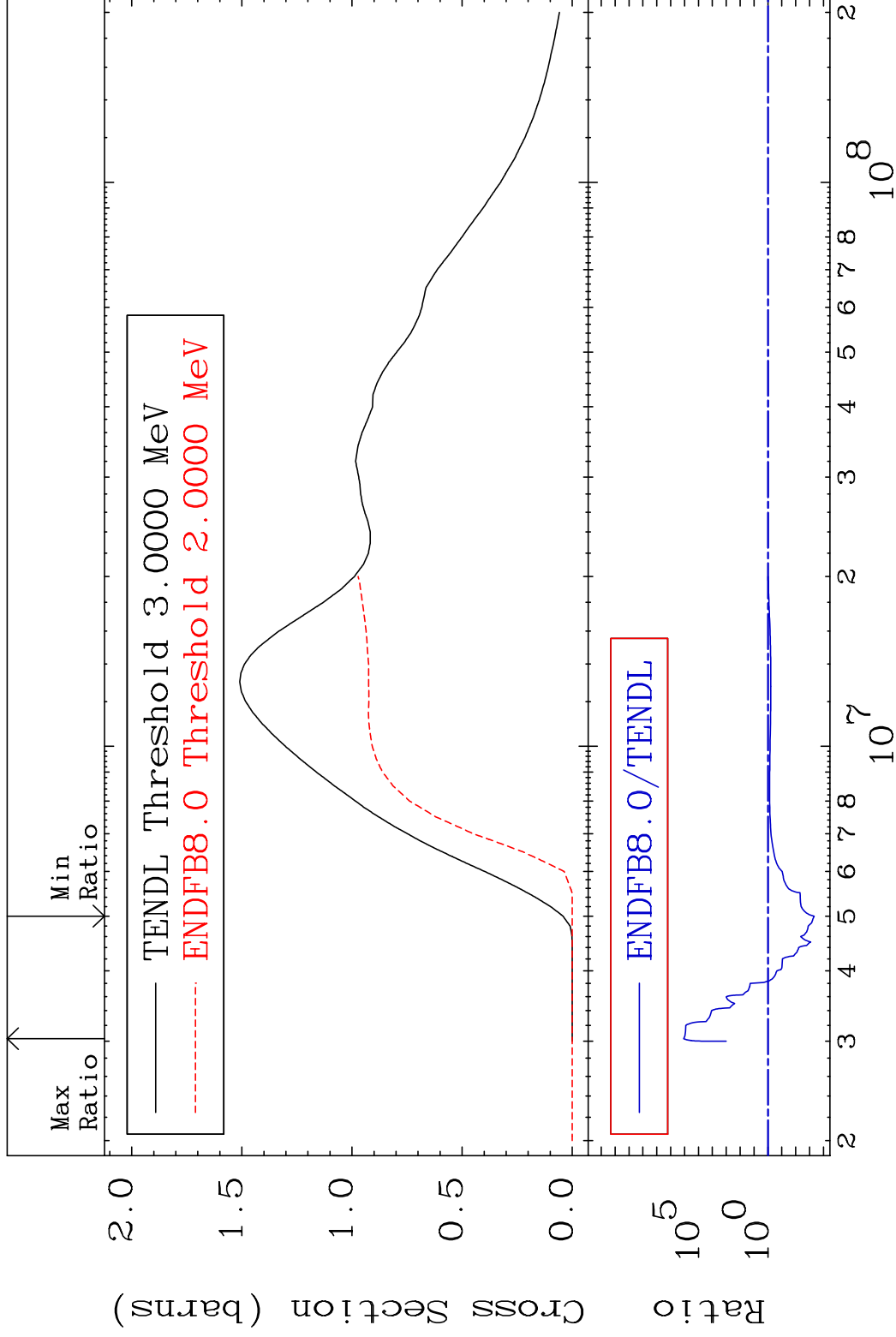
93-Np-236

MAT 9343

(n, nf) Second Chance

93-Np-236

Cross Section -99.95 To 9999. %



8

Incident Energy (eV)

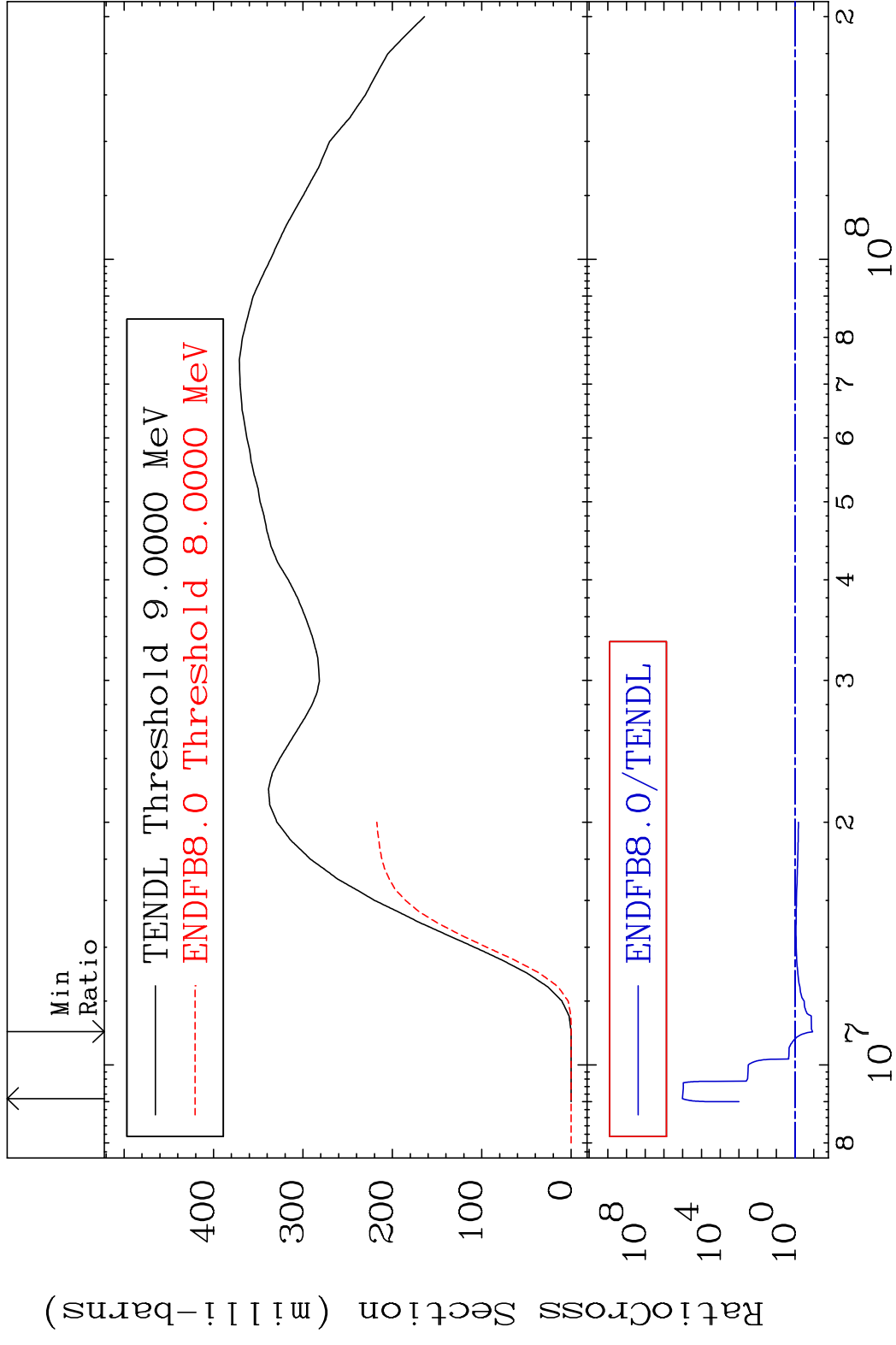
93-Np-236

MAT 9343

(n,2nf) Third Chance

93-Np-236

Cross Section -88.29 To 9999. %



9

Incident Energy (eV)

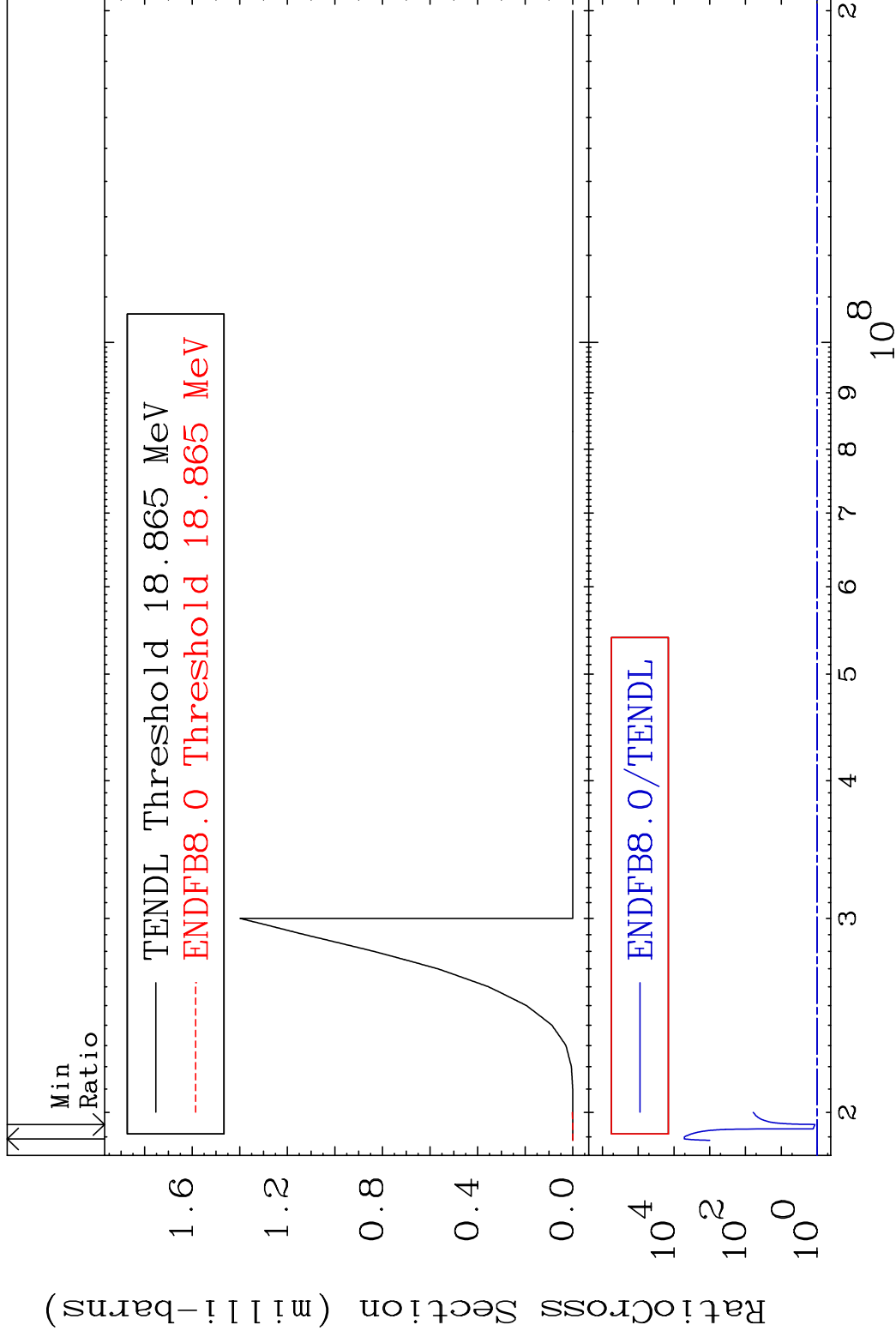
93-Np-236

MAT 9343

(n, 4n)

93-Np-236

Cross Section 14.27 To 9999. %

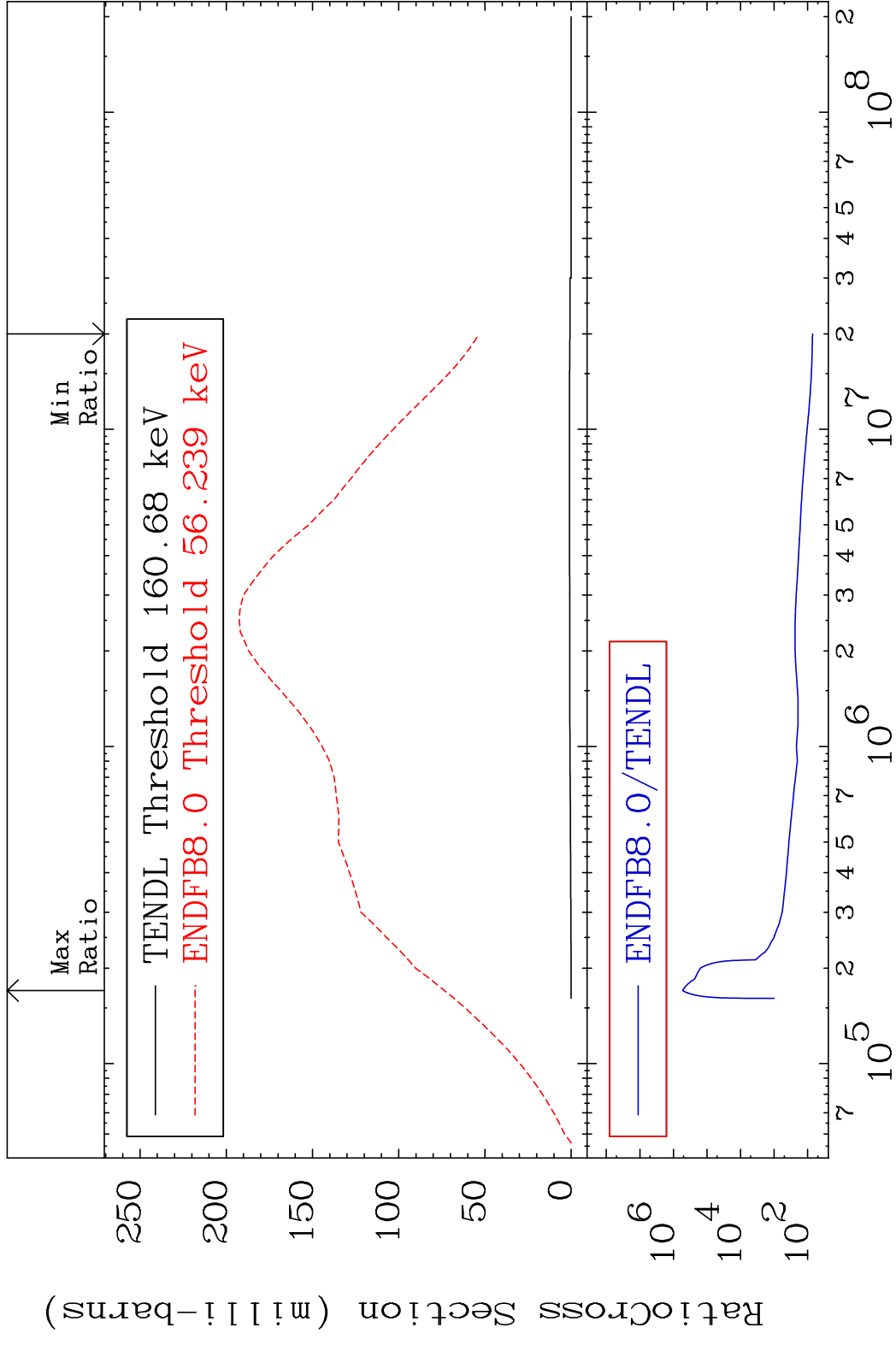


10

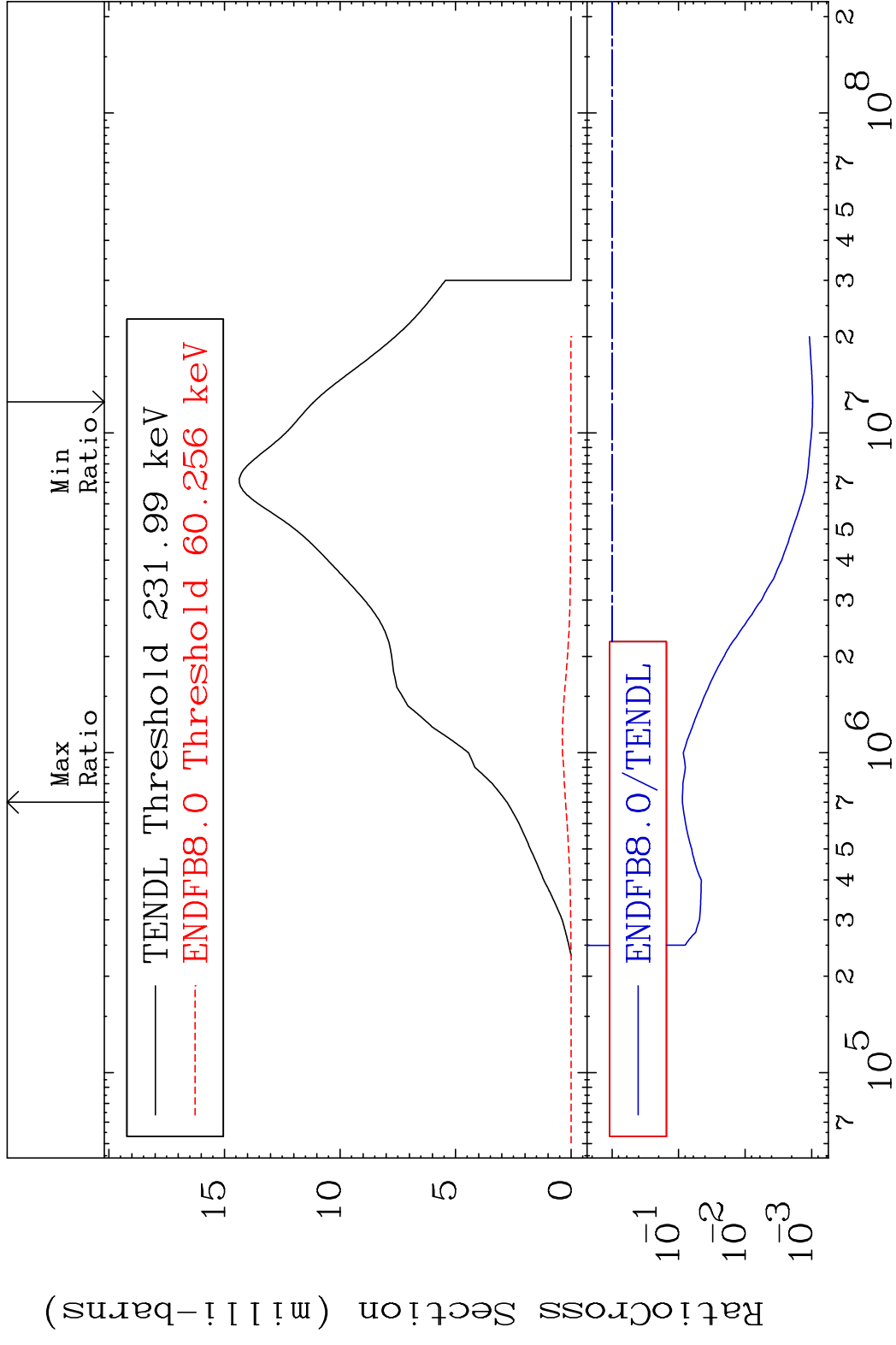
Incident Energy (eV)

93-Np-236

MAT 9343 MT= 51 (n, n') Level 93-Np-236
 Cross Section 7066. To 9999. %

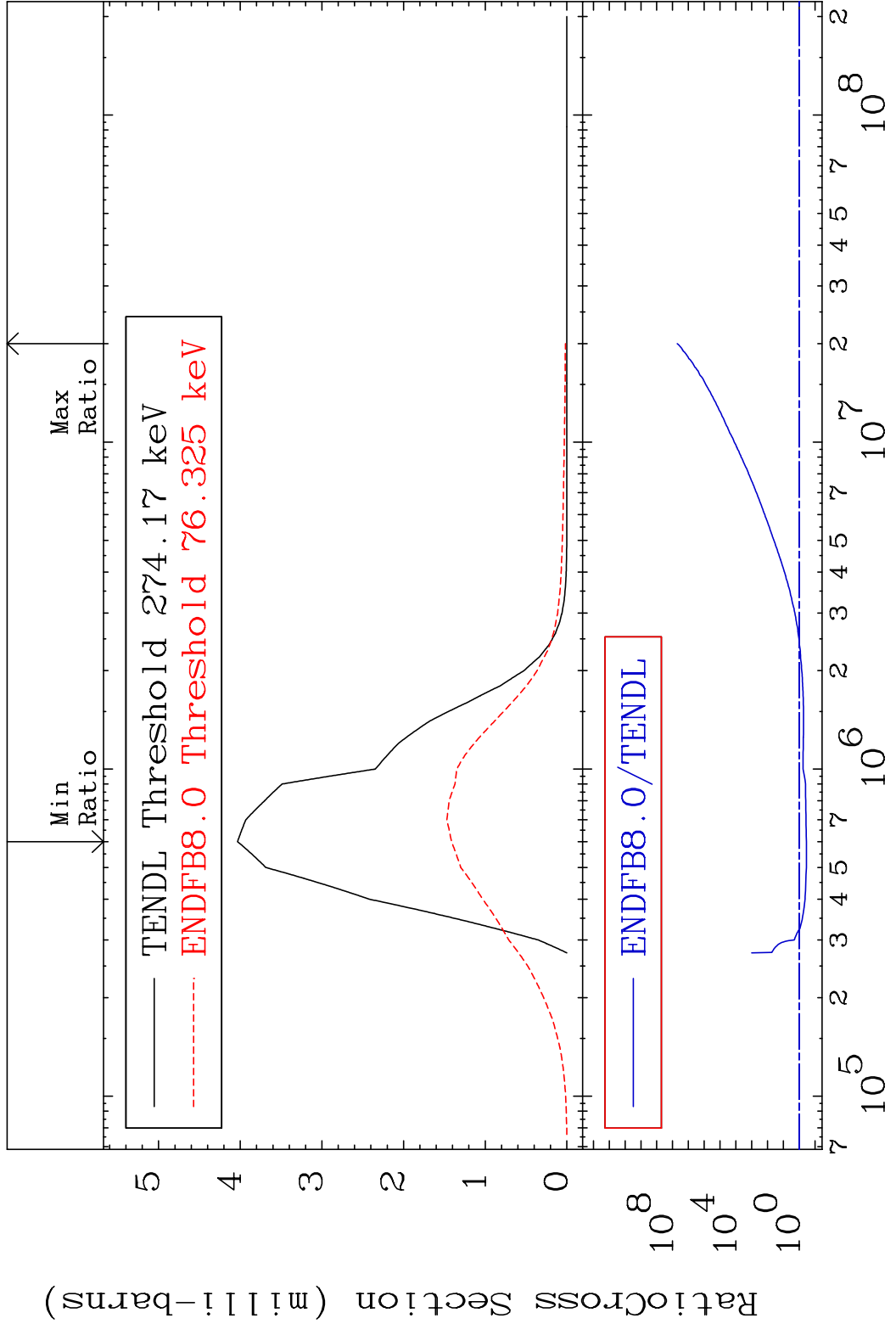


MAT 9343 MT= 52 (n, n') Level 93-Np-236
 Cross Section -99.90 To -91.22%



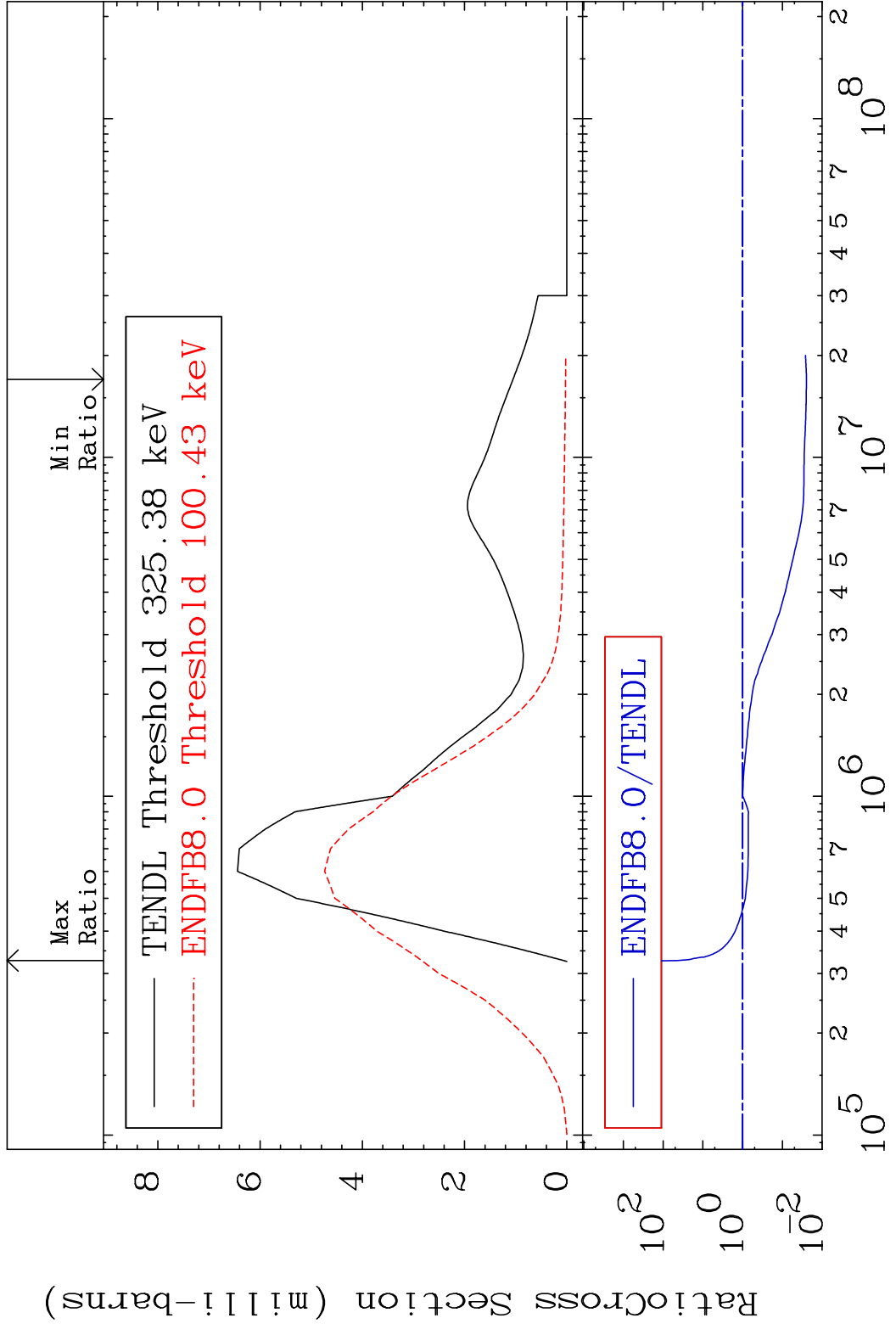
13 Incident Energy (eV) 93-Np-236

MAT 9343 MT= 53 (n, n') Level 93-Np-236
 Cross Section -64.97 To 9999. %



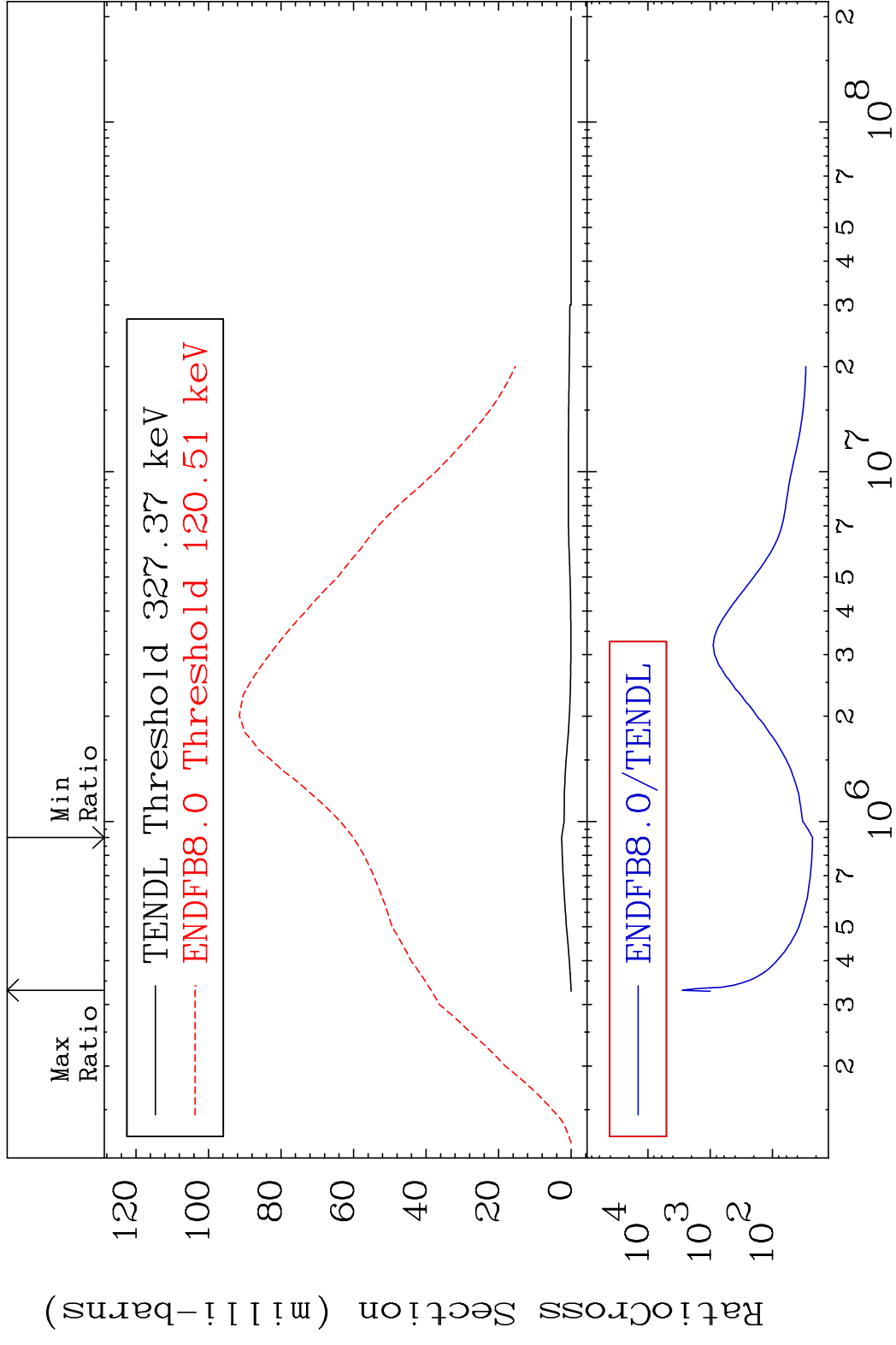
14 Incident Energy (eV) 93-Np-236

MAT 9343 MT= 54 (n, n') Level 93-Np-236
 Cross Section -97.51 To 4334. %

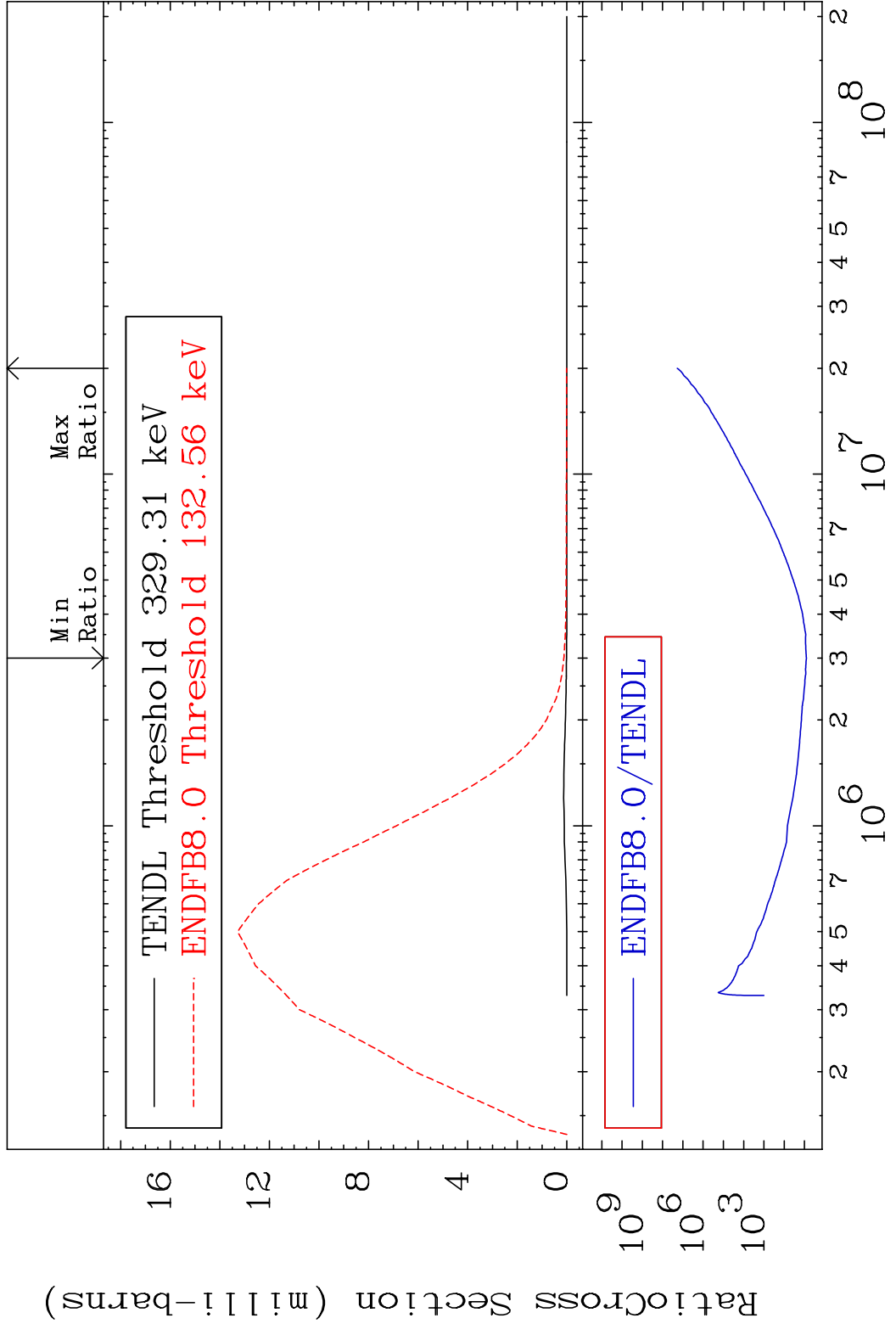


15 Incident Energy (eV) 93-Np-236

MAT 9343 MT= 55 (n, n') Level 93-Np-236
 Cross Section 2181. To 9999. %



MAT 9343 MT= 56 (n, n') Level 93-Np-236
 Cross Section 700.6 To 9999. %

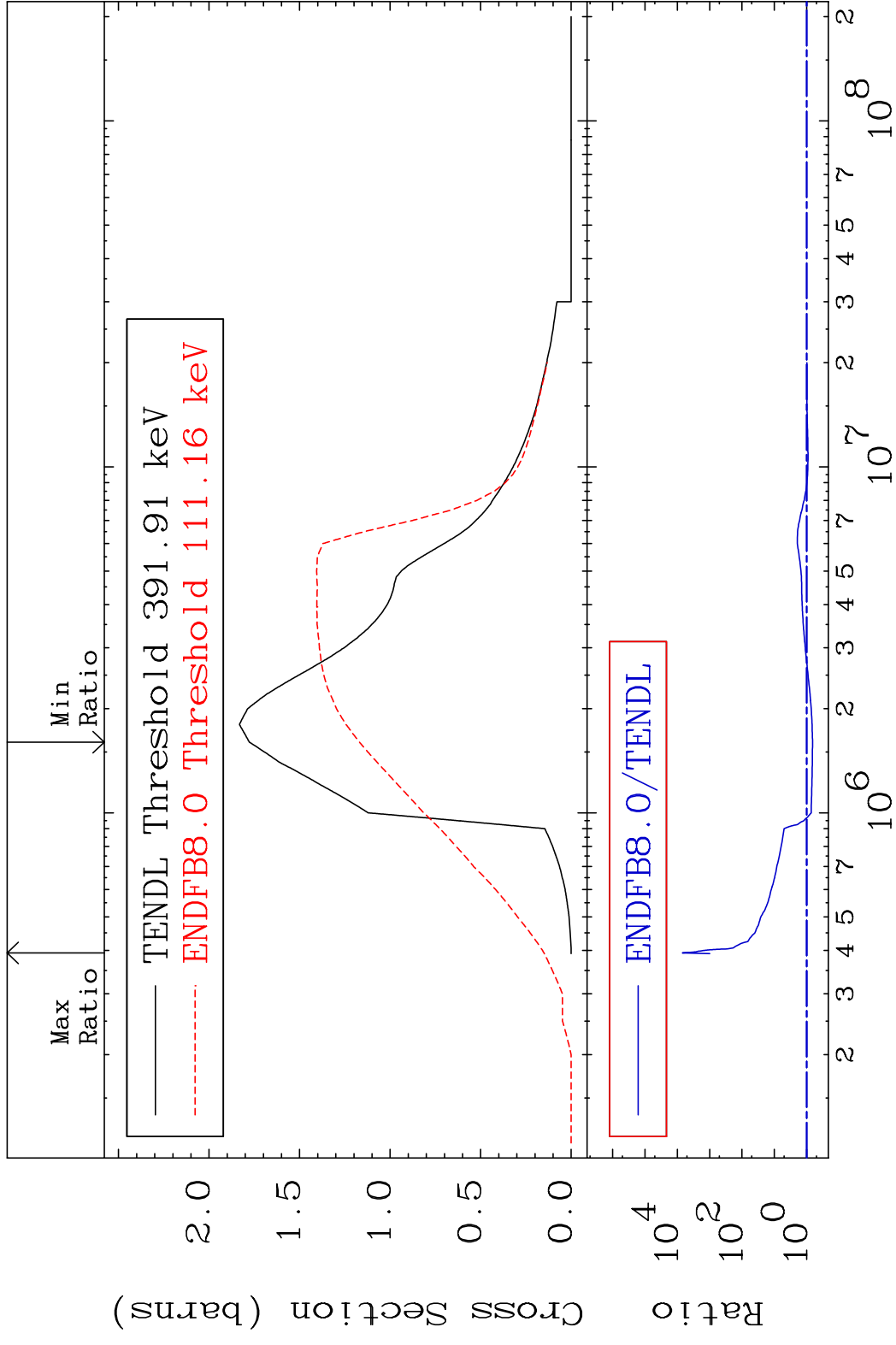


MAT 9343

(n,n') Continuum

93-Np-236

Cross Section -34.23 To 9999. %

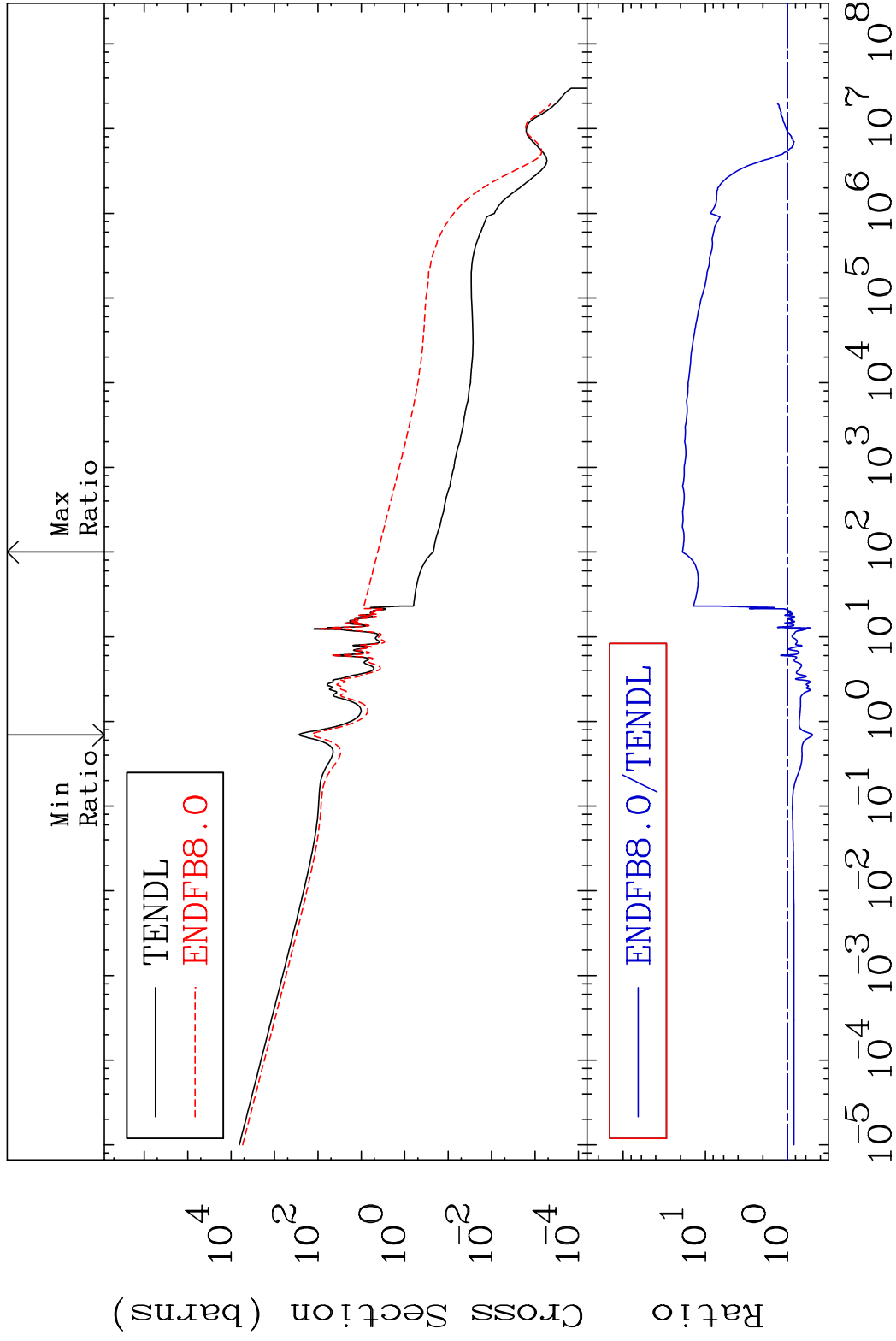


MAT 9343

(n, γ)

93-Np-236

Cross Section -50.23 To 1801. %

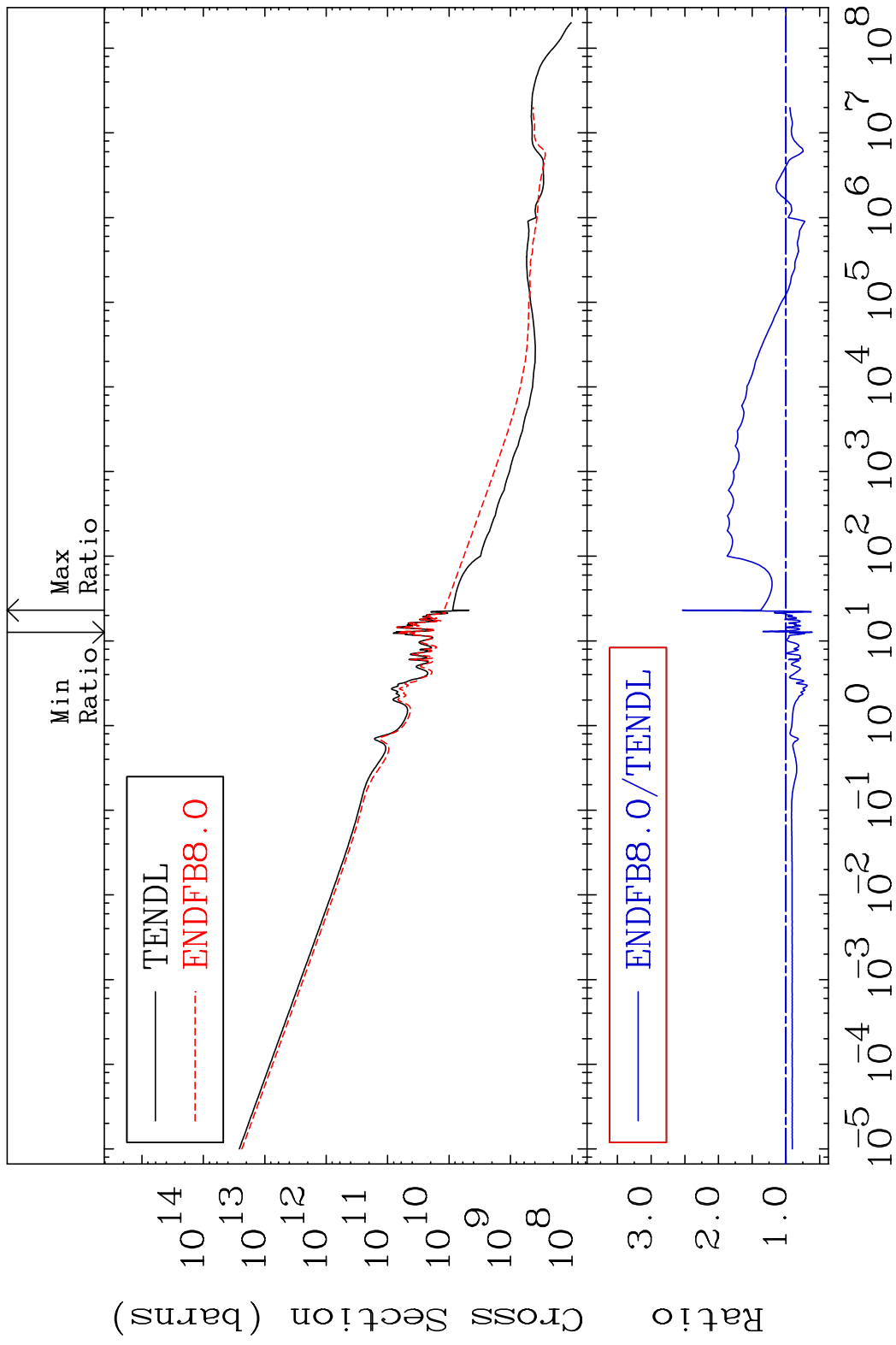


19

Incident Energy (eV)

93-Np-236

MAT 9343 Kerma total (eV-barns) 93-Np-236
 Cross Section -39.46 To 153.7 %

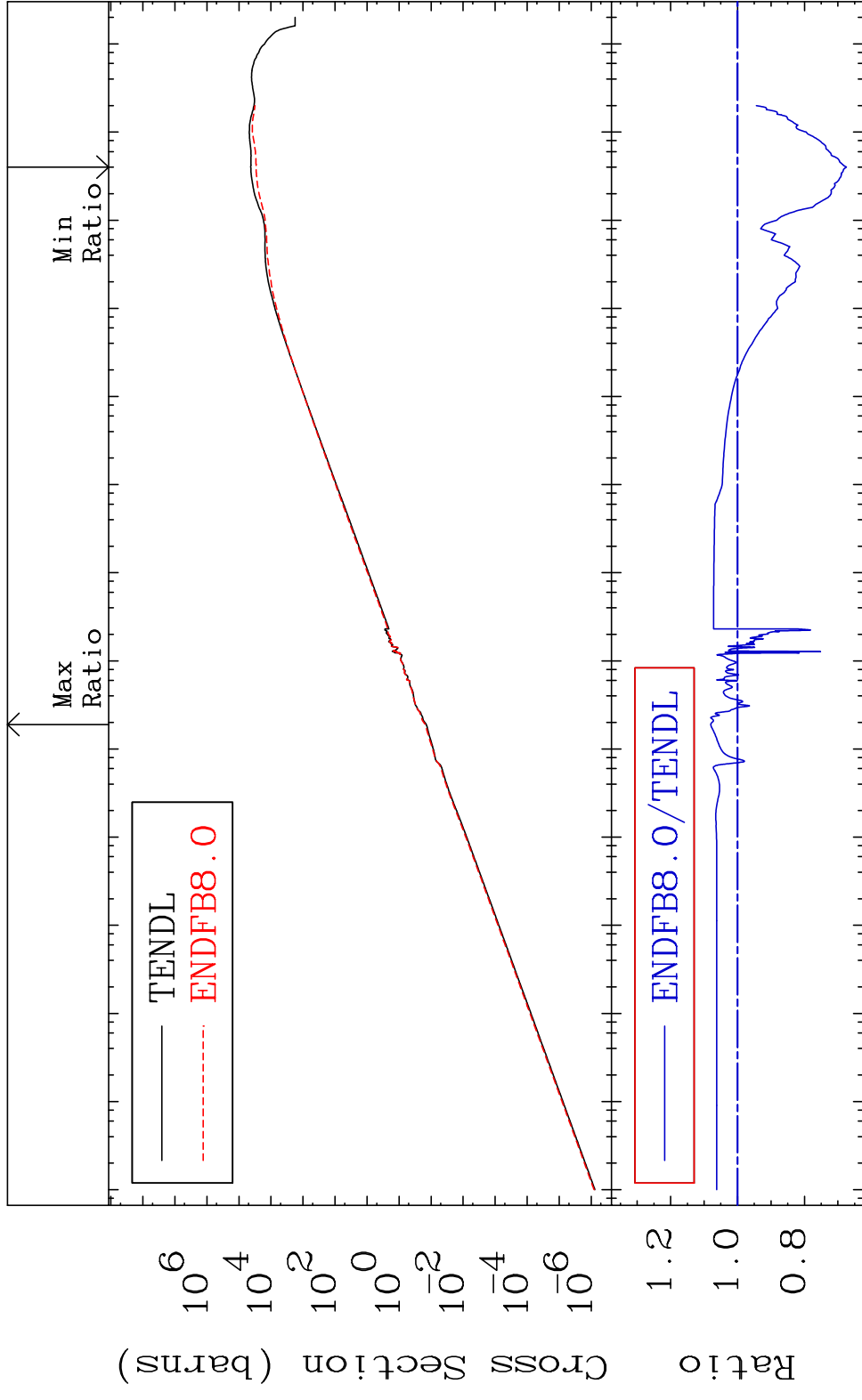


20 Incident Energy (eV) 93-Np-236

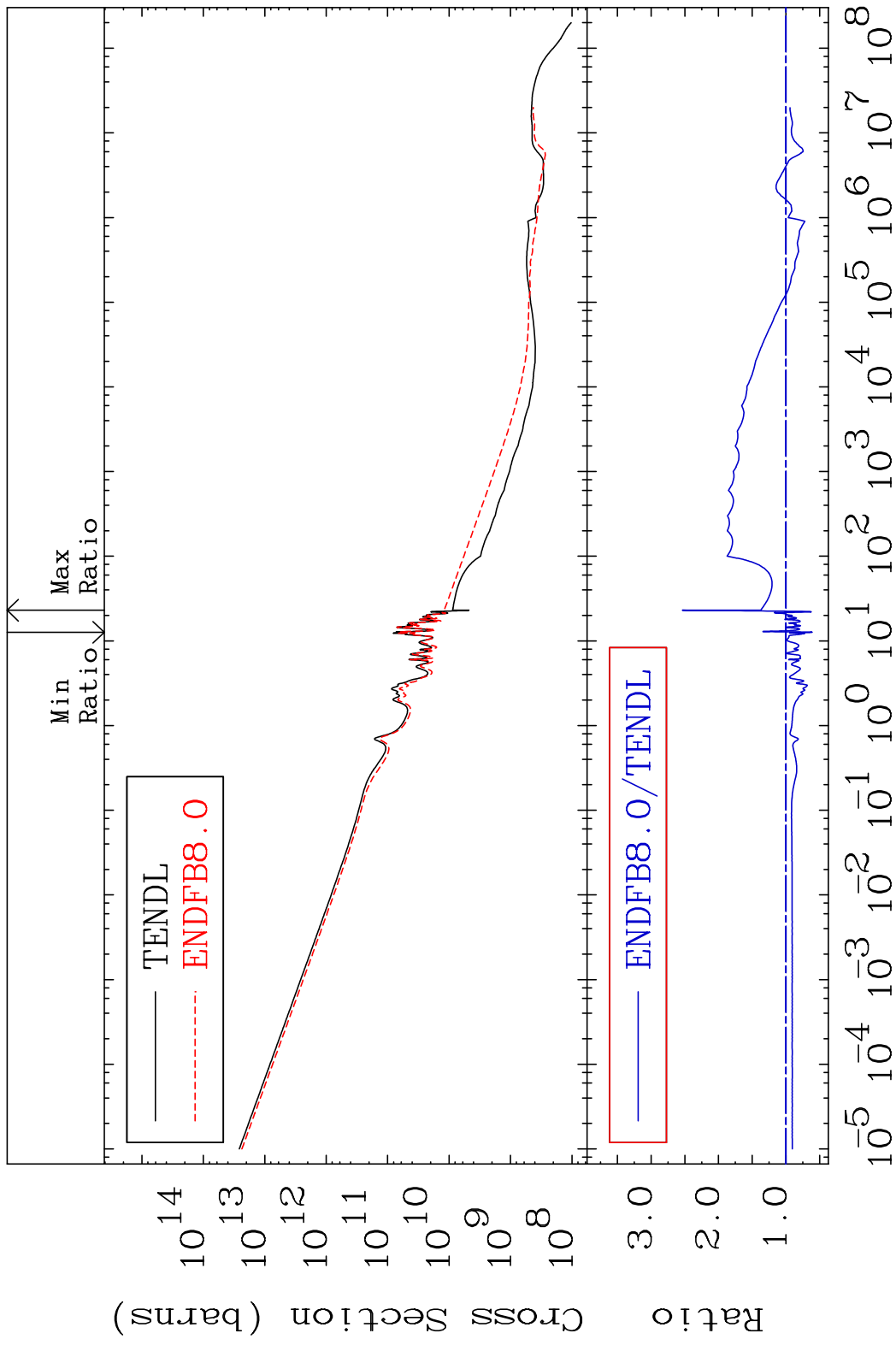
MAT 9343

Kerma elastic
Cross Section -32.51 To 8.019 %

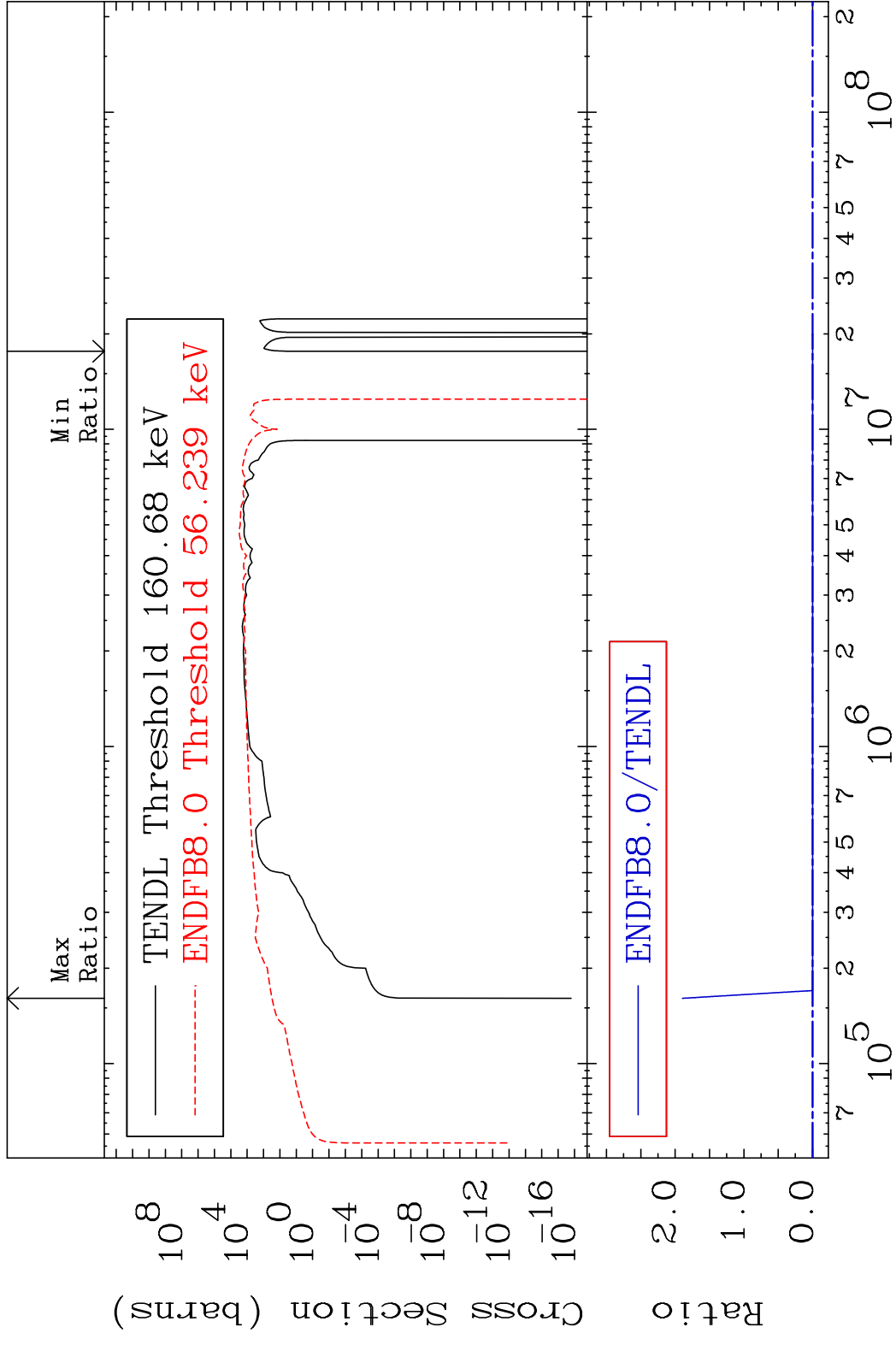
93-Np-236



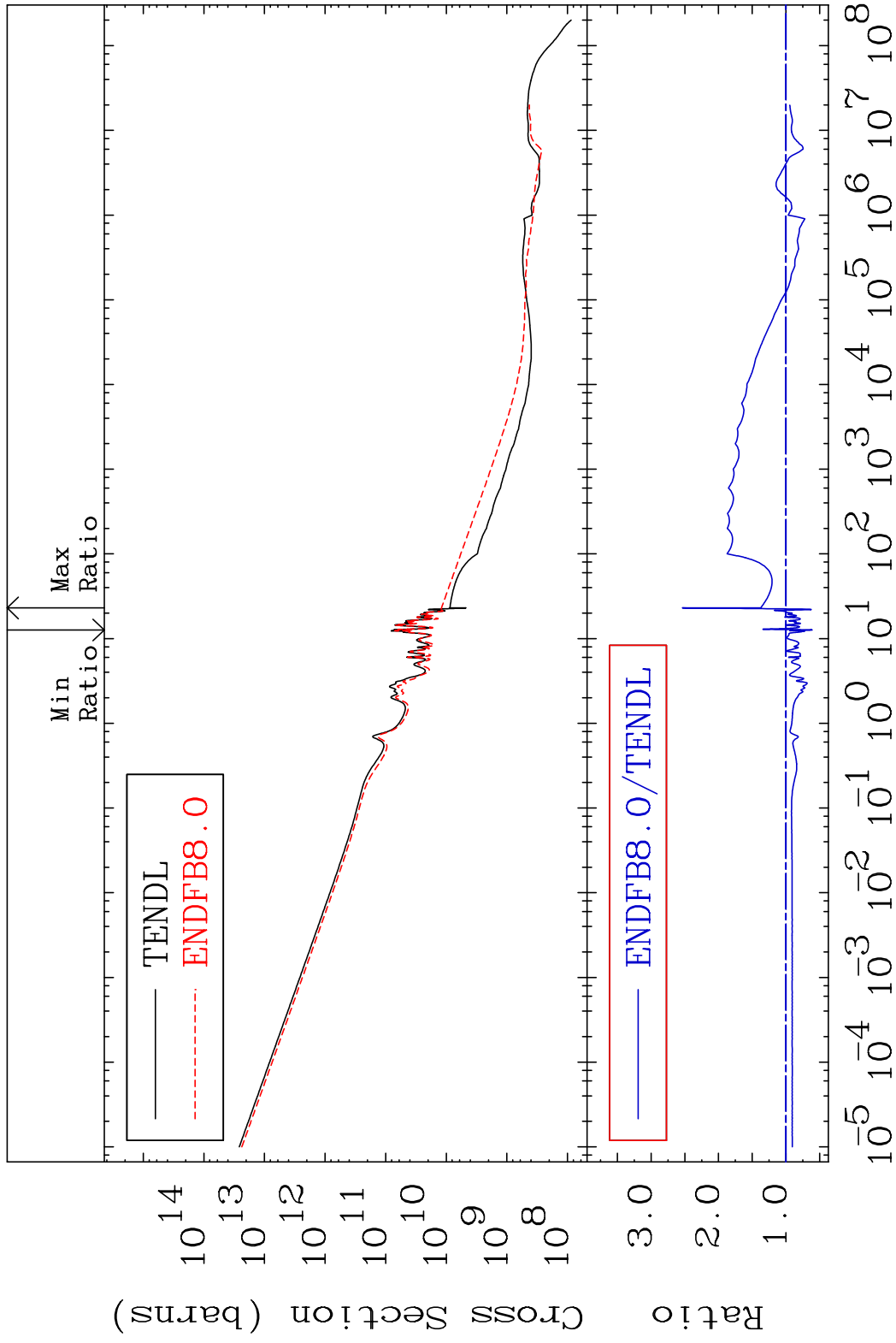
MAT 9343 Kerma non-elastic (all but mt2) 93-Np-236
 Cross Section -39.46 To 153.7 %



MAT 9343 Kerma inelastic (mt51-91) 93-Np-236
 Cross Section -9999. To 9999. %

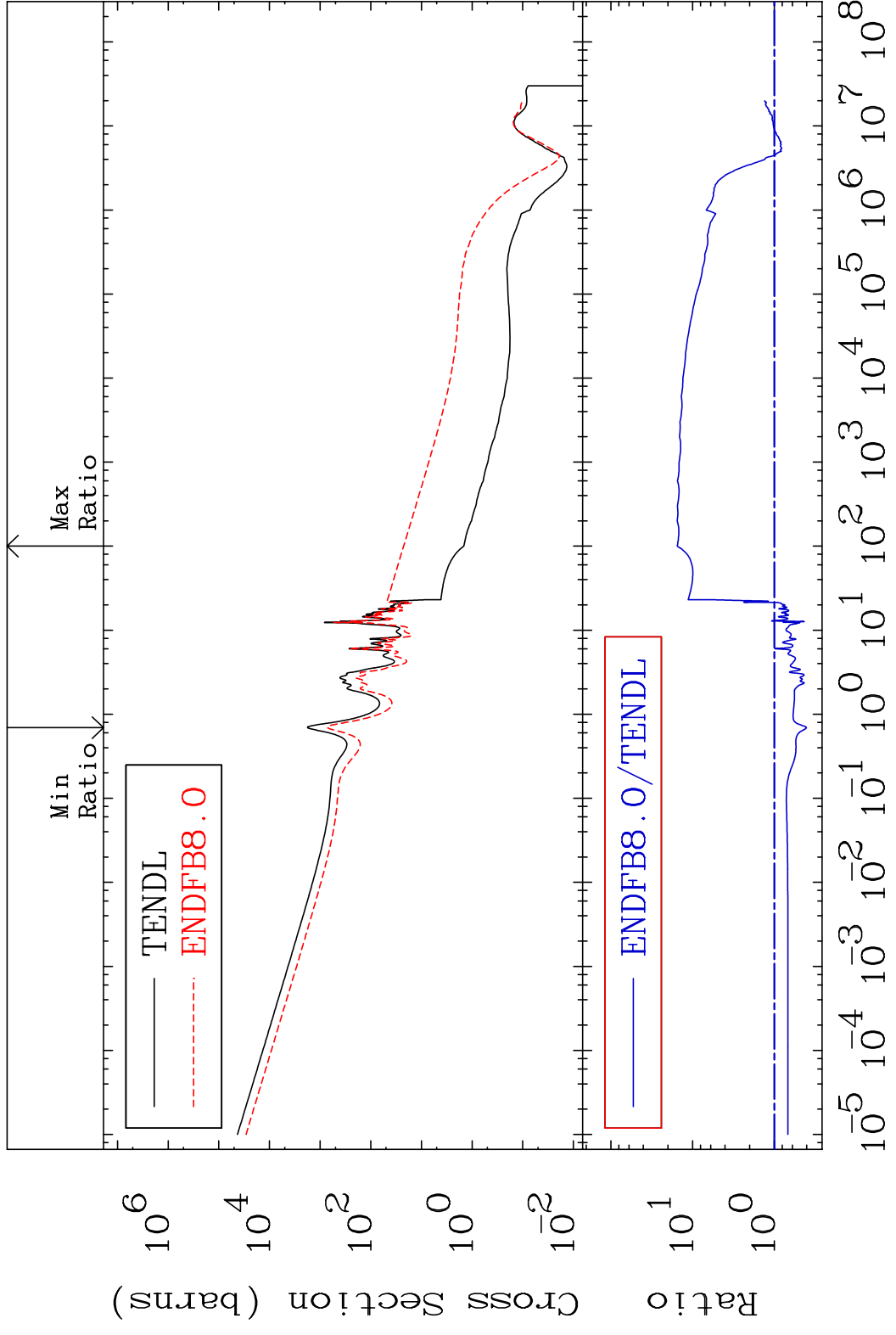


MAT 9343 Kerma fission (mt18 or mt19-20-21-38) 93-Np-236
 Cross Section -39.46 To 153.7 %



MAT 9343

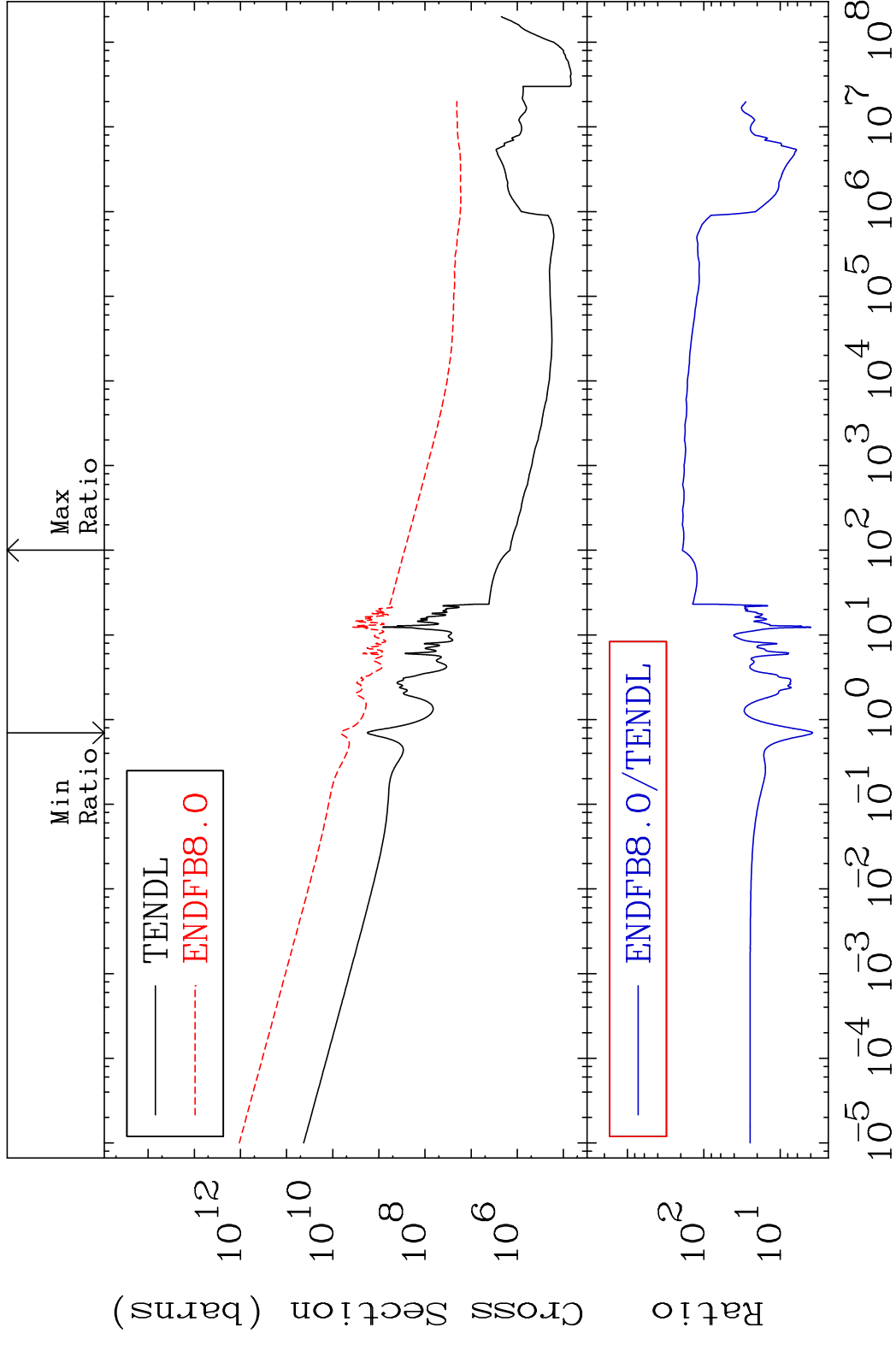
Kerma capture (mt102) 93-Np-236
Cross Section -59.63 To 1442. %



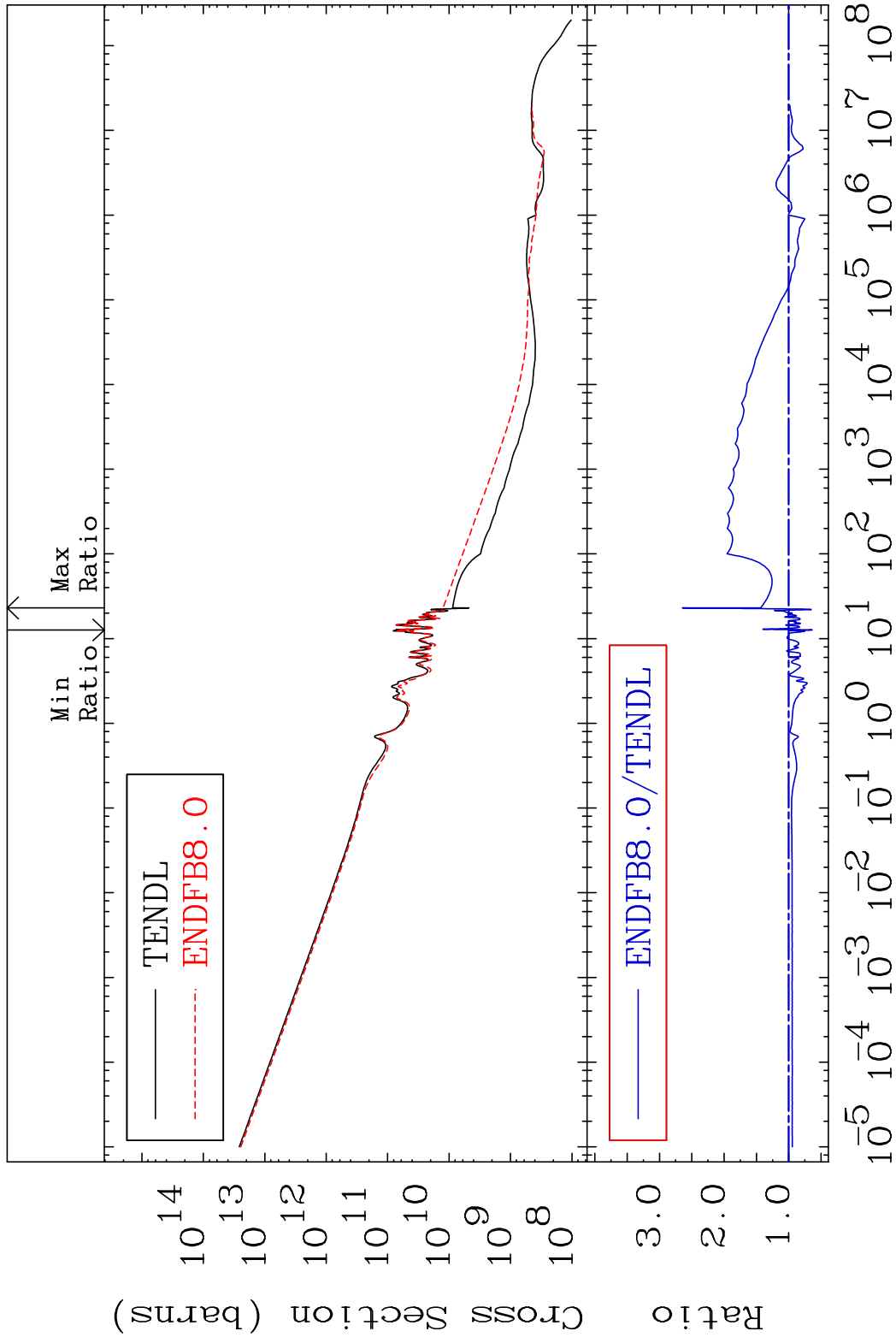
25

Incident Energy (eV) 93-Np-236

MAT 9343 Total photon (eV-barns) 93-Np-236
 Cross Section 278.3 To 9999. %



MAT 9343 Total kinematic kerma (high limit) 93-Np-236
 Cross Section -36.84 To 164.6 %

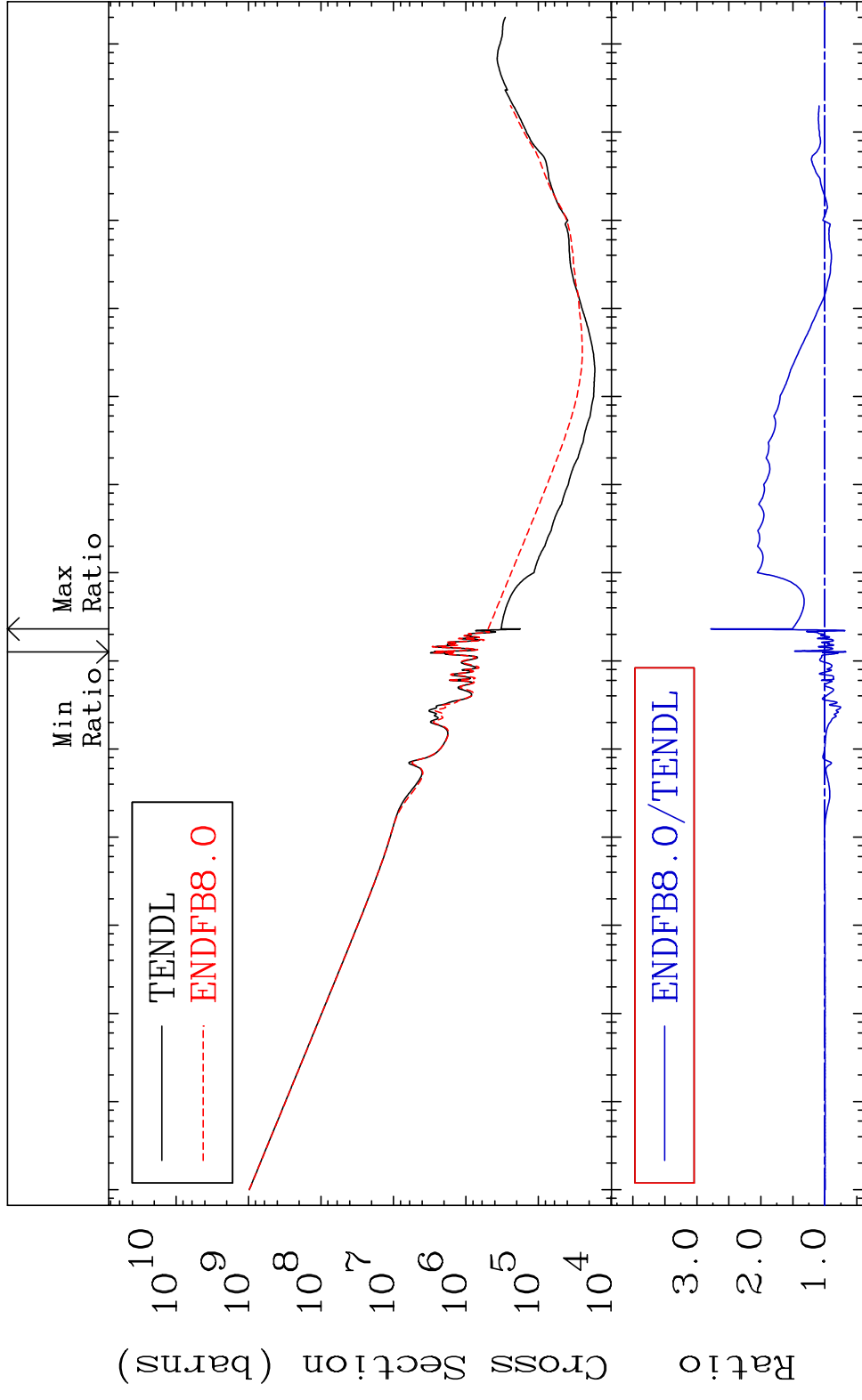


MAT 9343

Dpa total (eV-barns)

93-Np-236

Cross Section -33.56 To 178.4 %

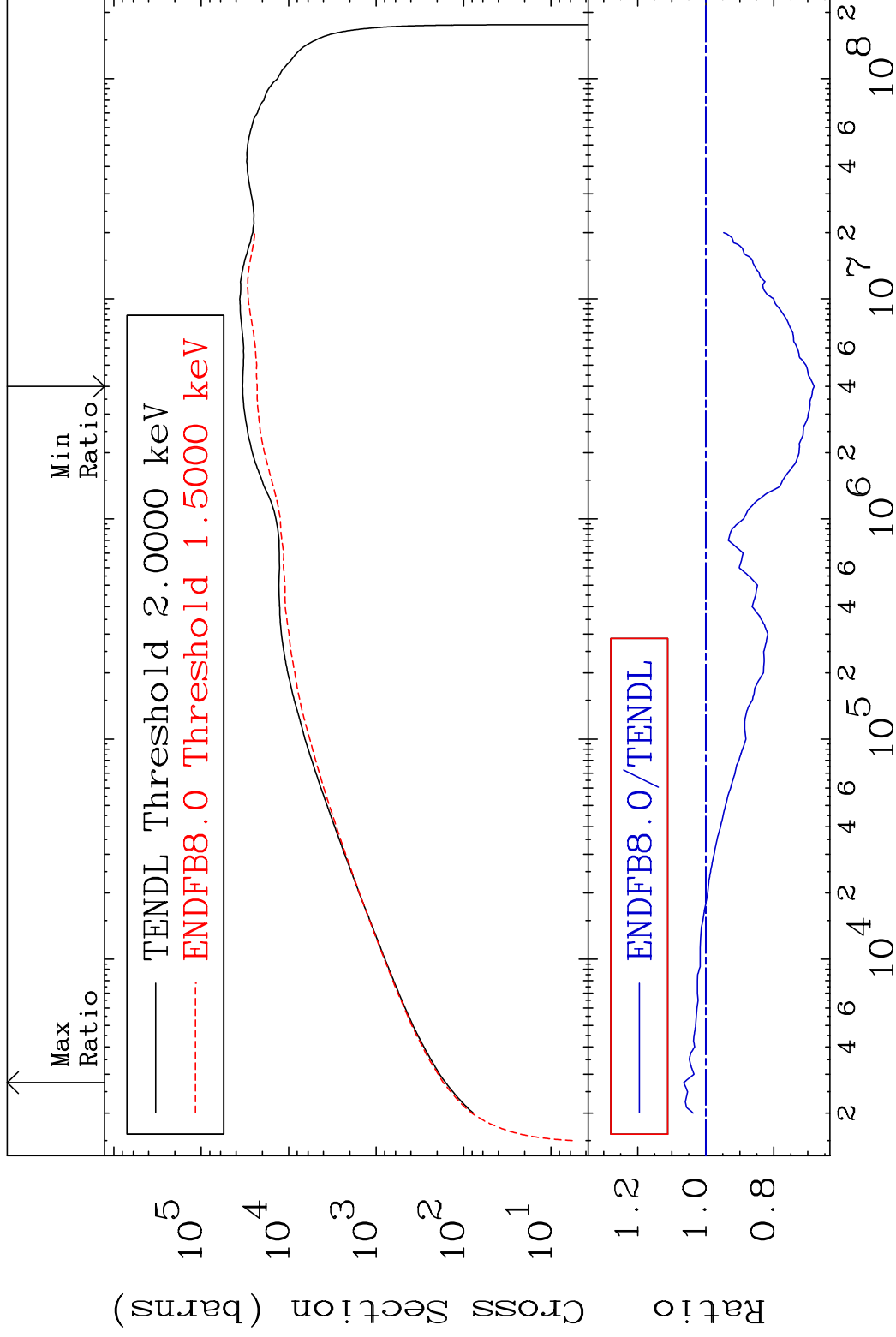


MAT 9343

Dpa elastic (mt2)

93-Np-236

Cross Section -31.85 To 6.502 %

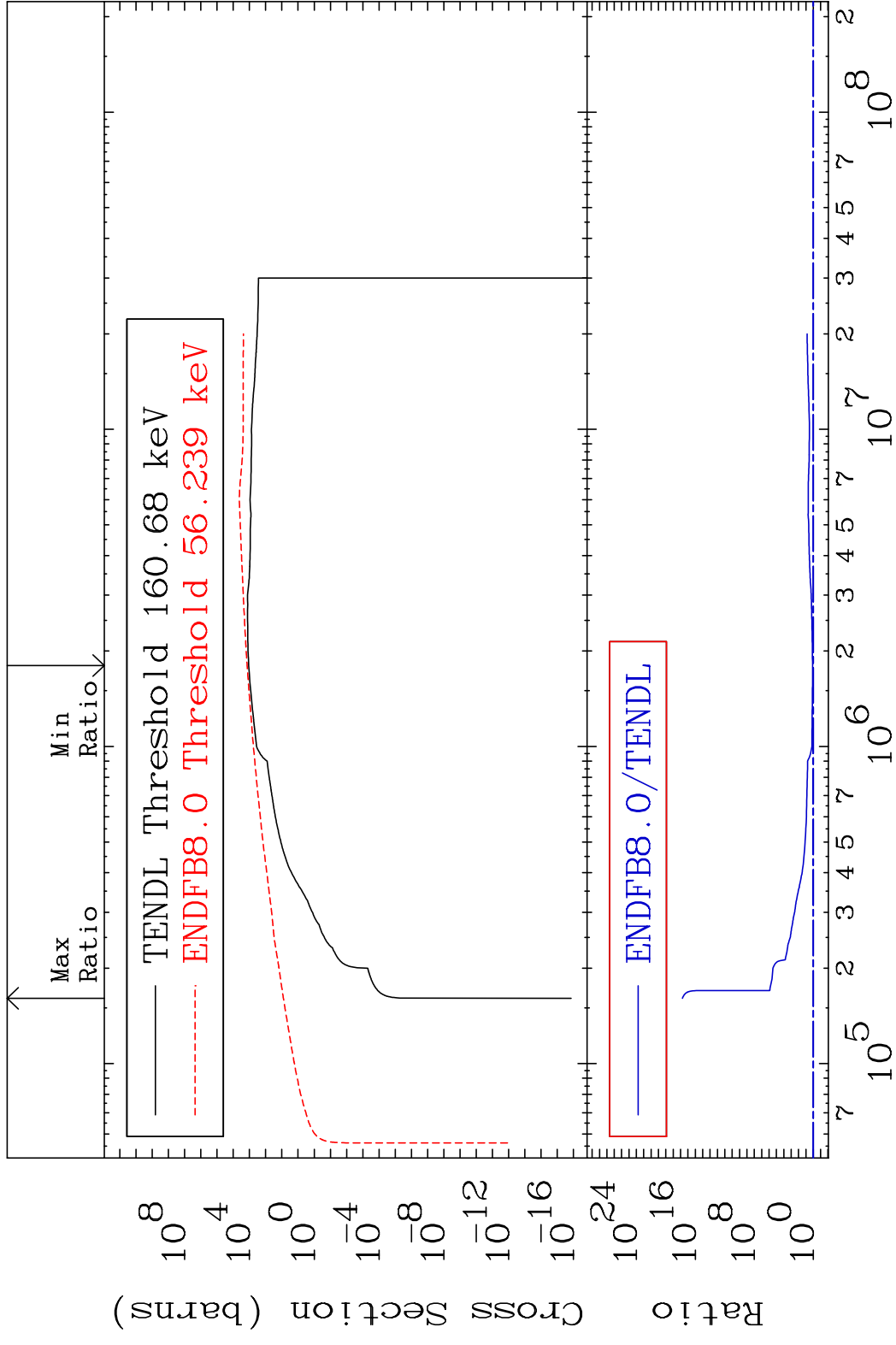


29

Incident Energy (eV)

93-Np-236

MAT 9343 Dpa inelastic (mt51-91) 93-Np-236
 Cross Section 24.19 To 9999. %



MAT 9343 Dpa disappearance (mt102 -120) 93-Np-236
 Cross Section -100.0 To 1010. %

