

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

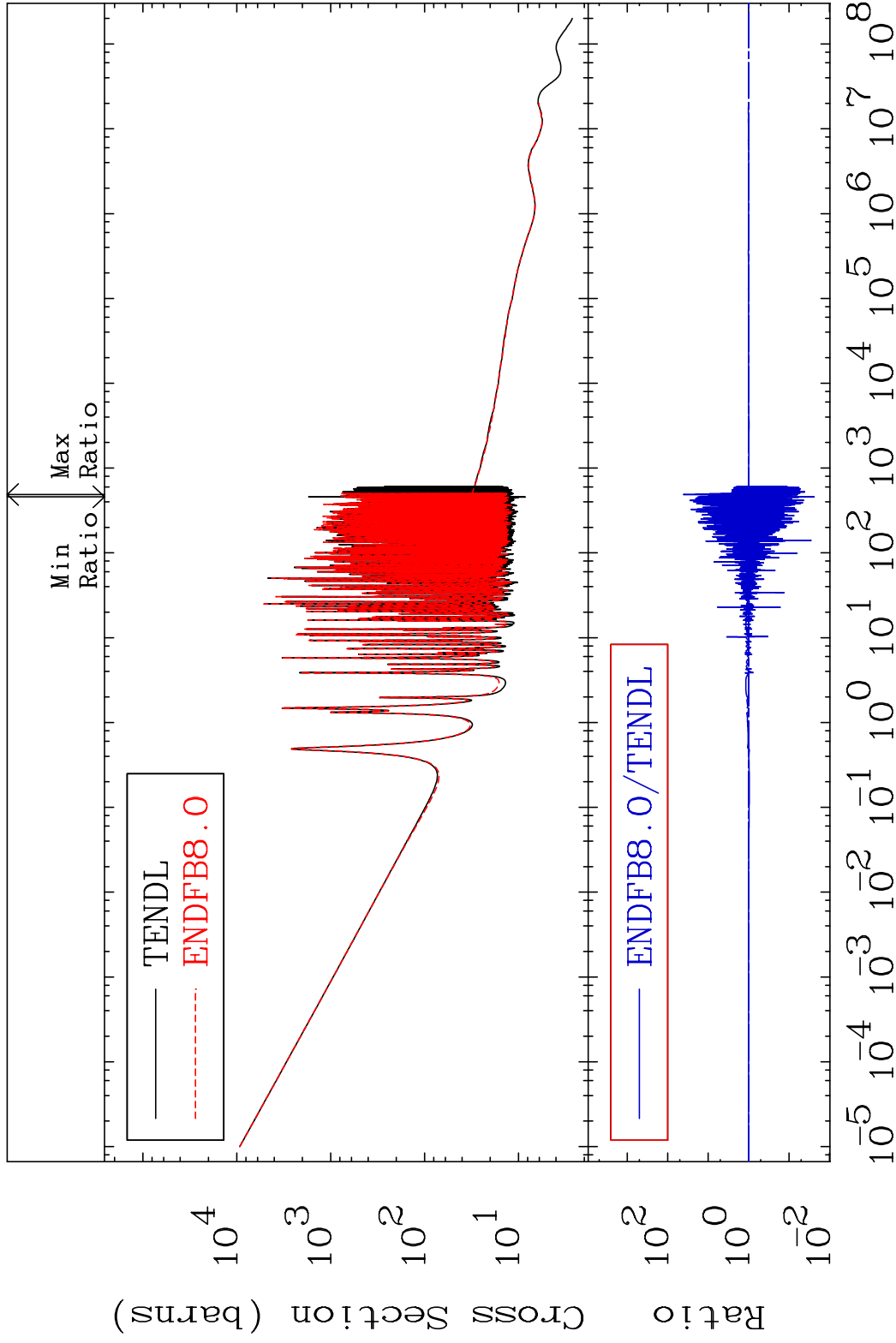
Press Mouse Button to Start

MAT 9346

Total

93-Np-237

Cross Section -97.61 To 3931. %



1

Incident Energy (eV)

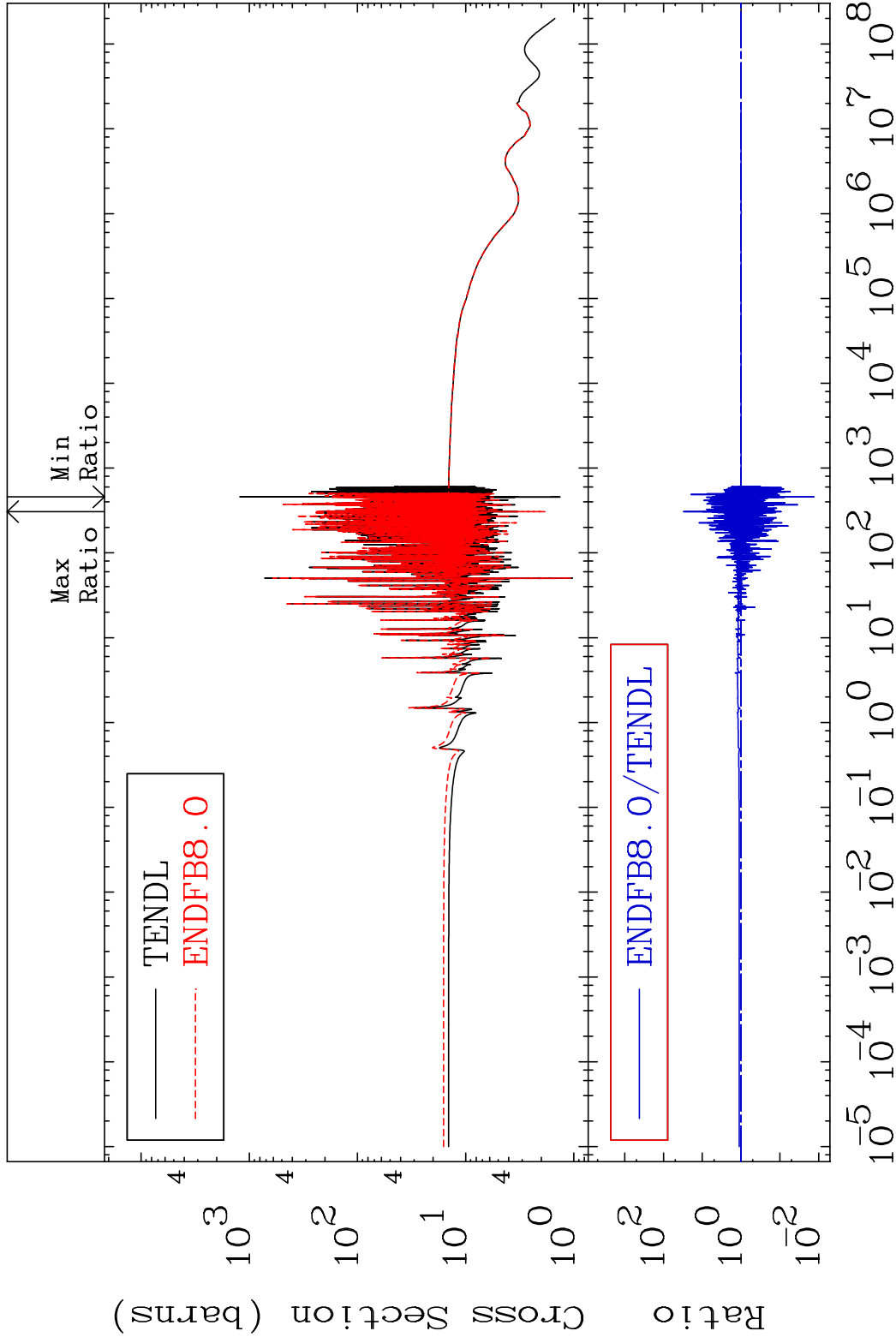
93-Np-237

MAT 9346

Elastic

93-Np-237

Cross Section -98.69 To 2922. %



2

Incident Energy (eV)

93-Np-237

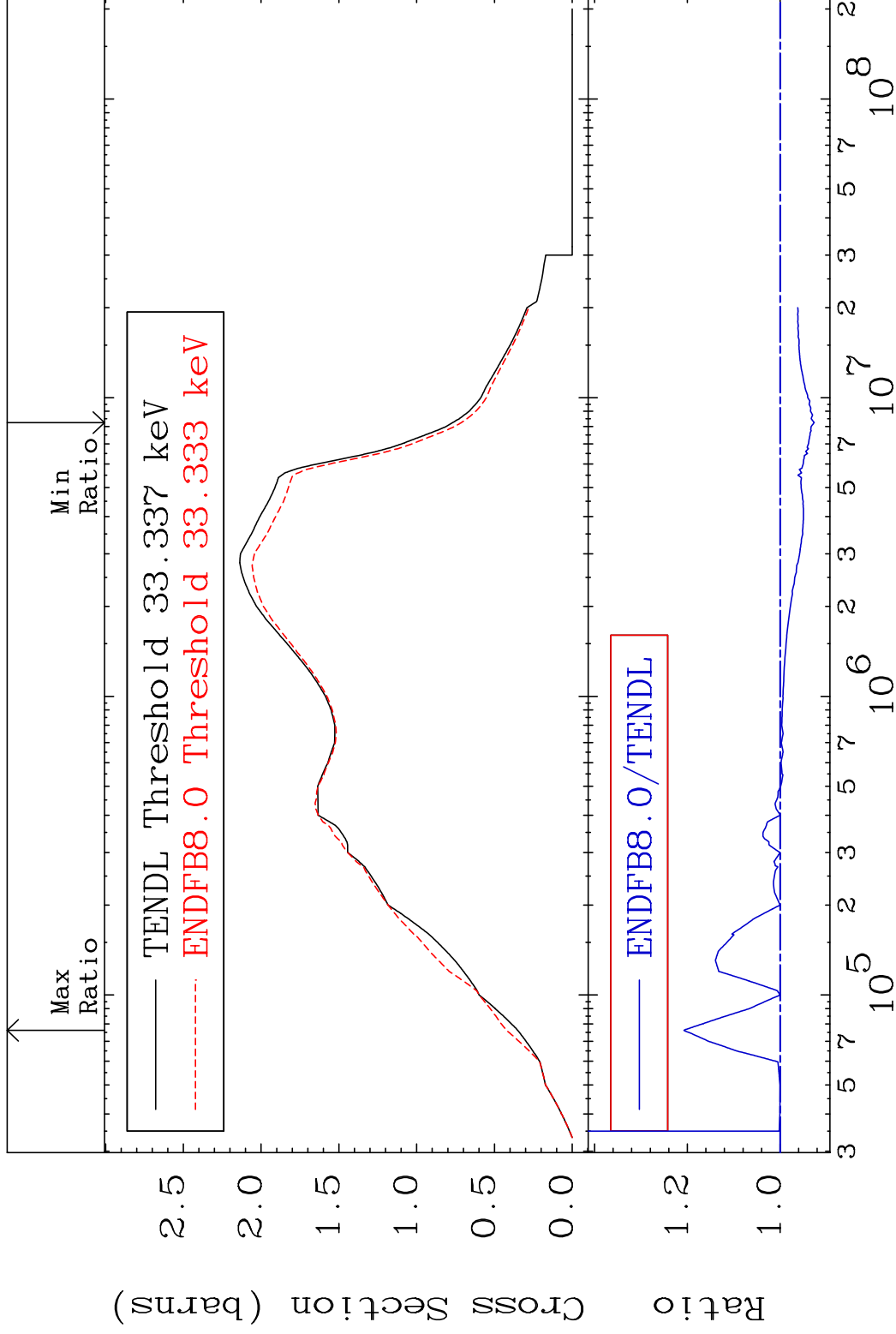
MAT 9346

Inelastic

93-Np-237

Cross Section

-7.332 To 20.80 %



3

Incident Energy (eV)

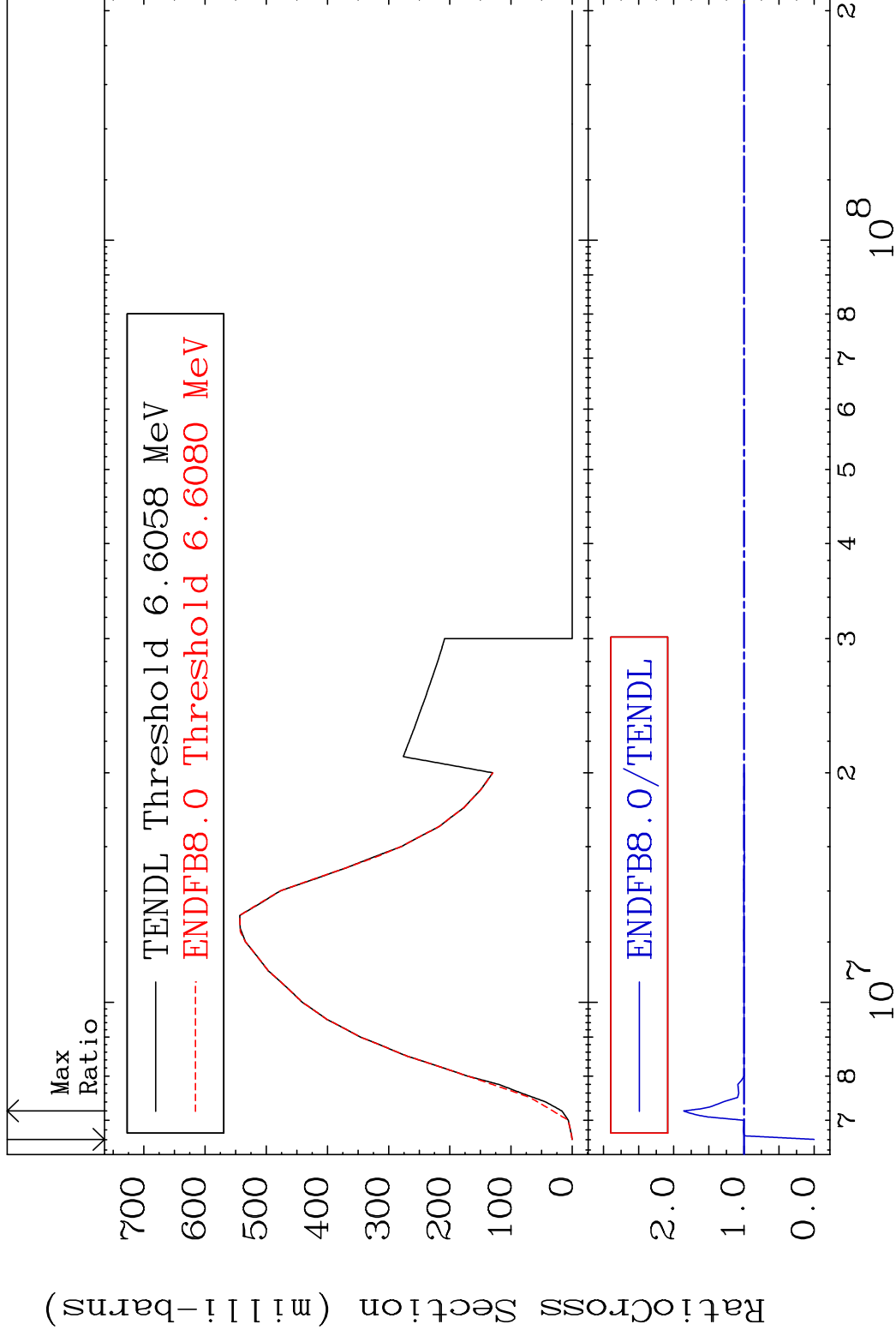
93-Np-237

MAT 9346

(n,2n)

93-Np-237

Cross Section -100.0 To 85.89 %



4

Incident Energy (eV)

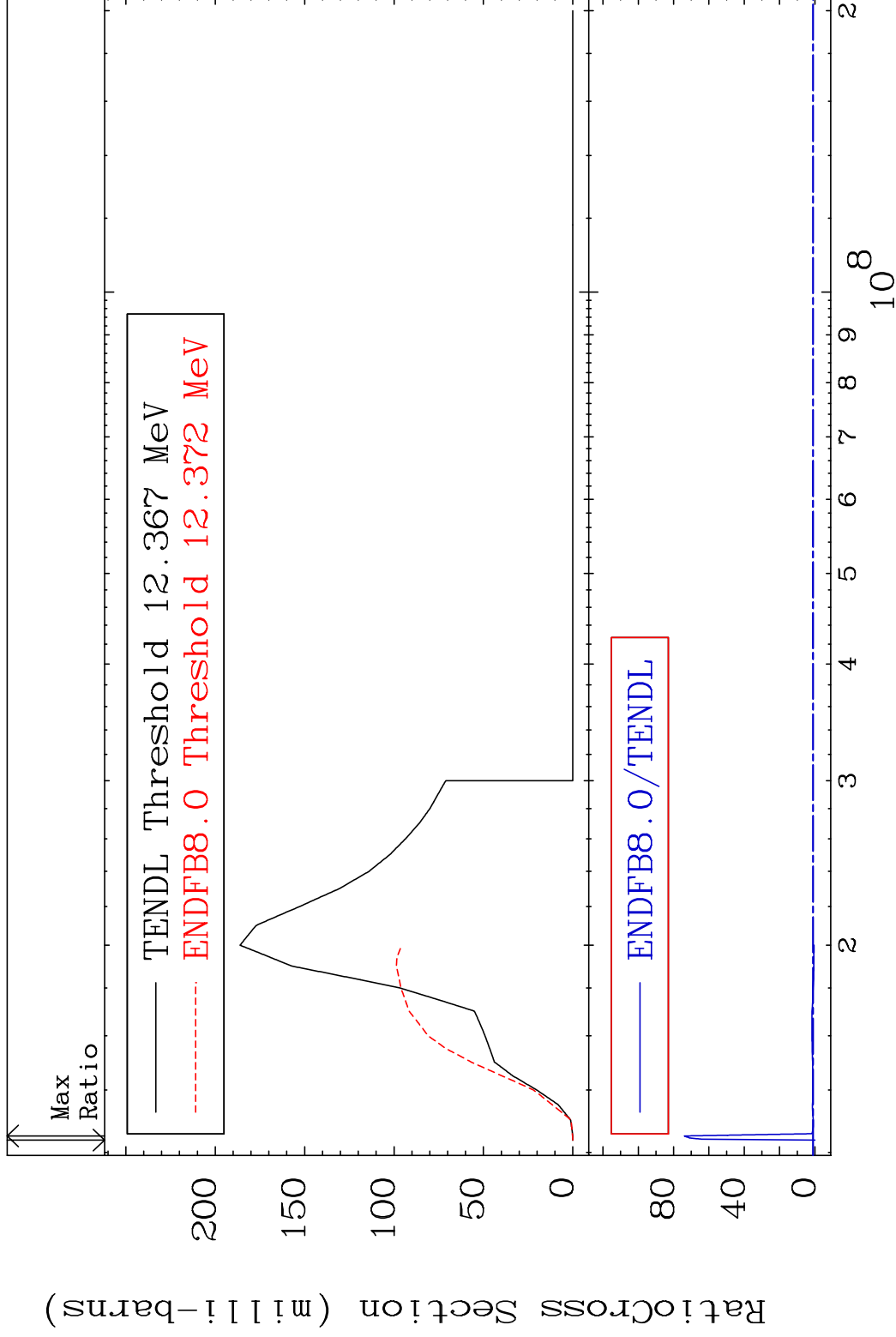
93-Np-237

MAT 9346

(n,3n)

93-Np-237

Cross Section -100.0 To 7294. %



5

Incident Energy (eV)

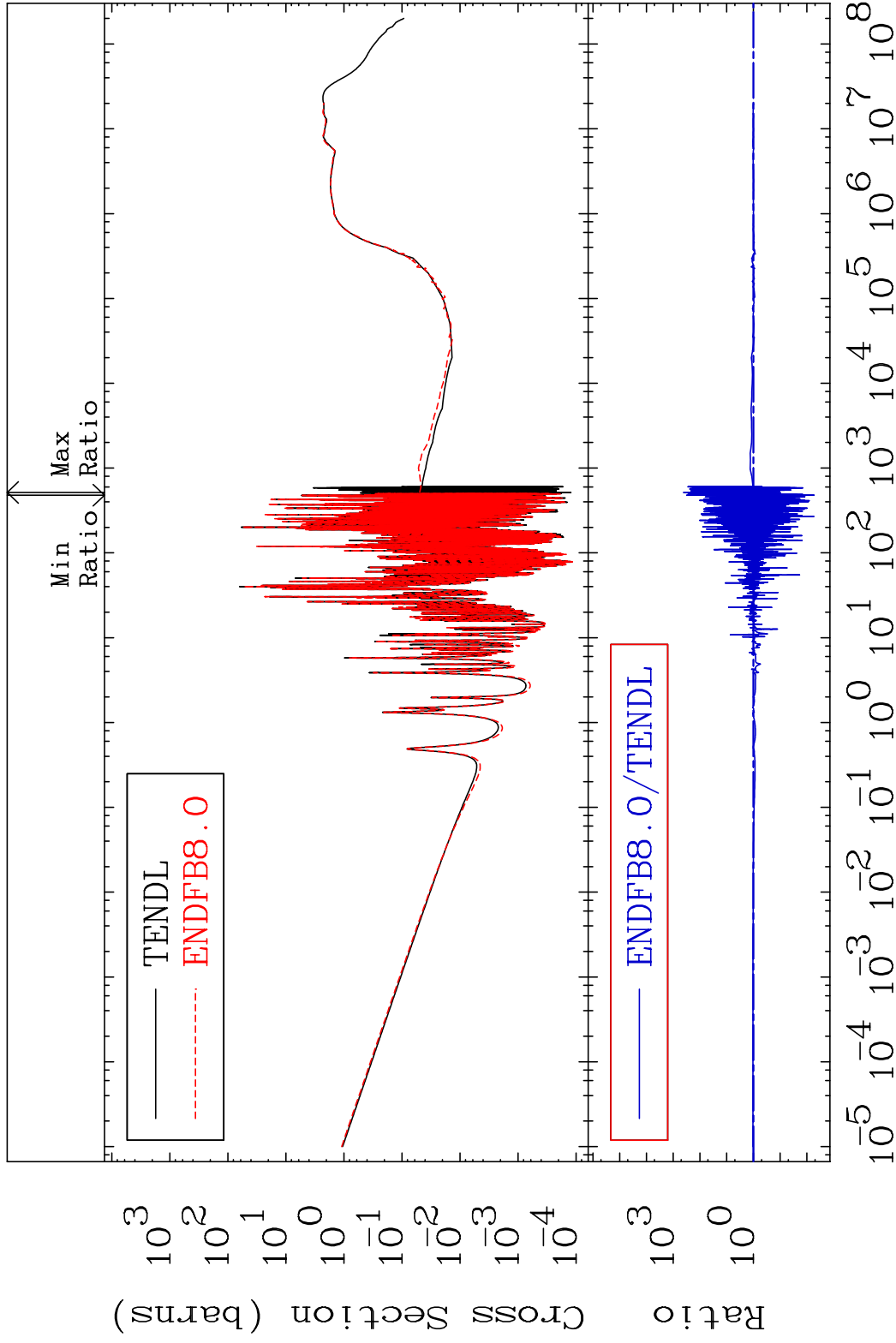
93-Np-237

MAT 9346

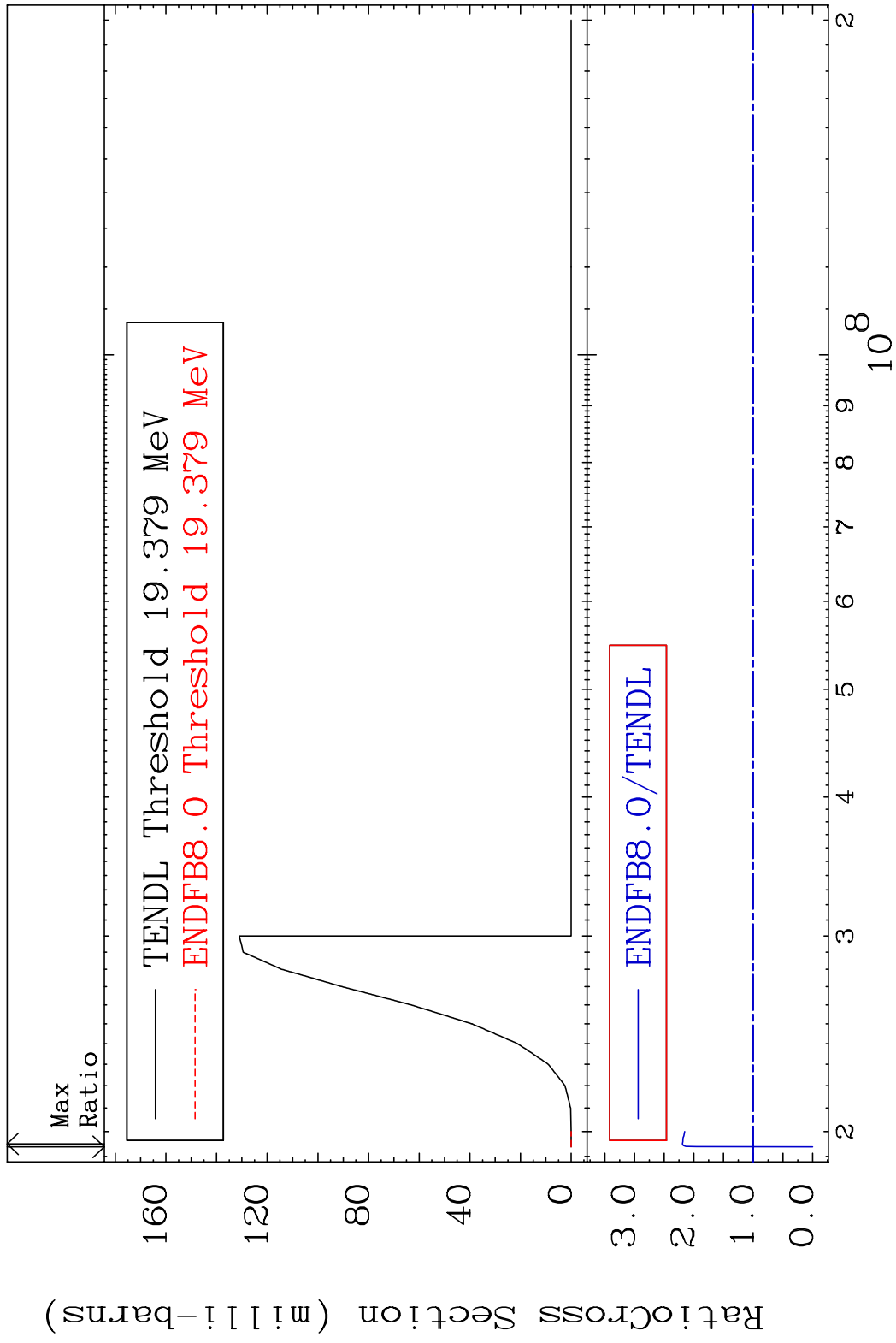
Fission

93-Np-237

Cross Section -99.46 To 9999. %

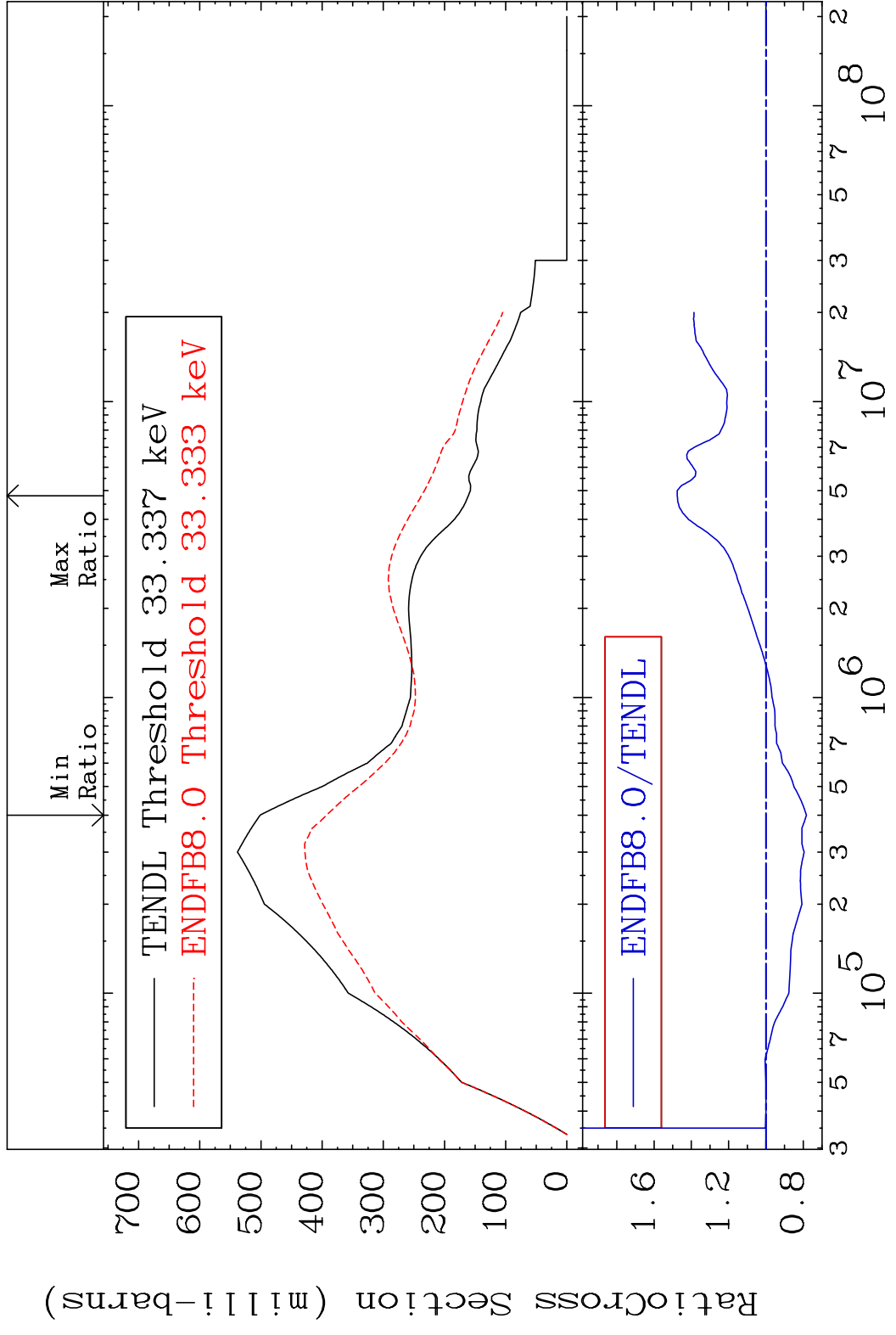


MAT 9346 (n,4n) 93-Np-237
Cross Section -100.0 To 119.3 %

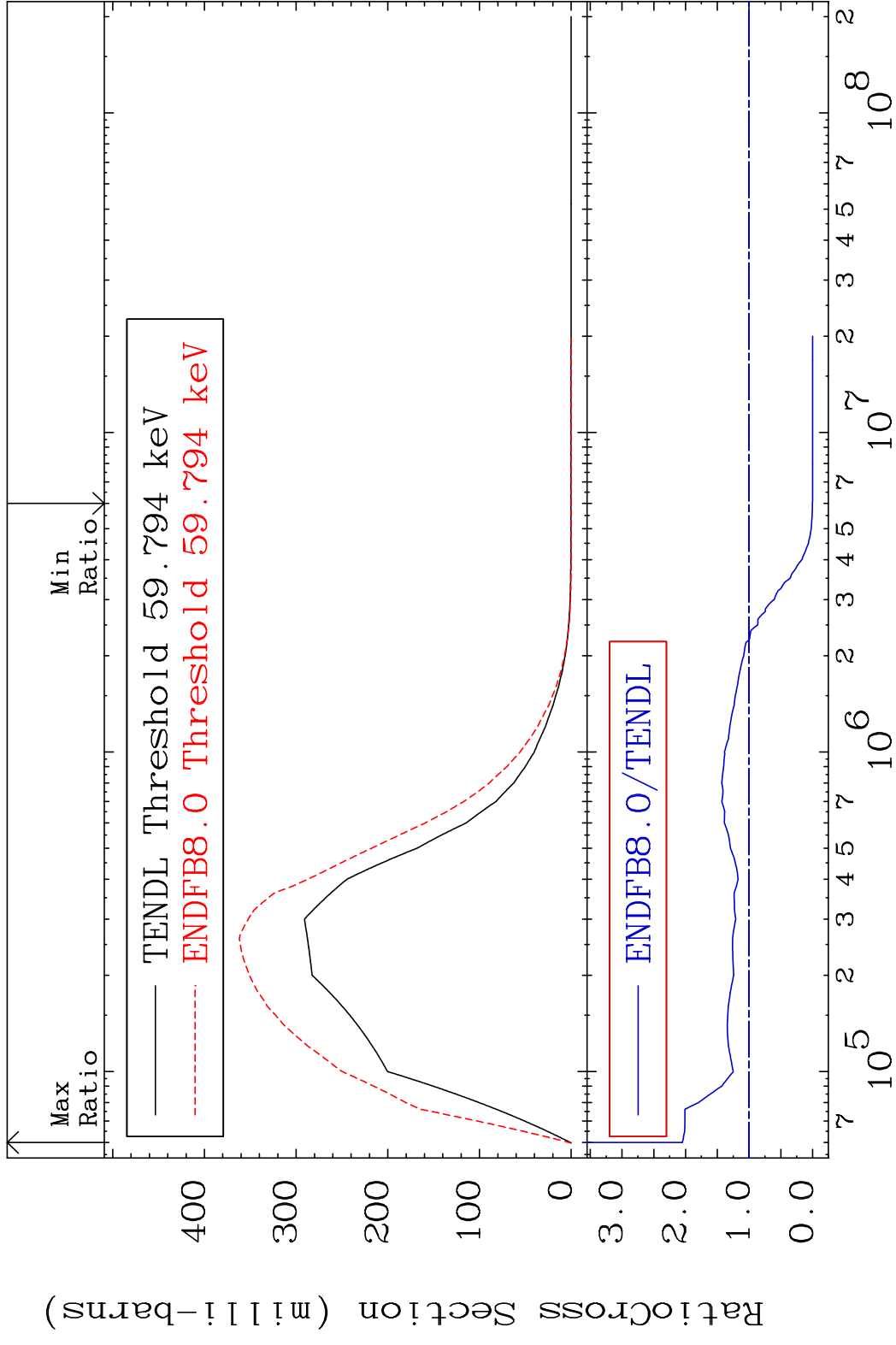


7 Incident Energy (eV) 93-Np-237

MAT 9346 MT= 51 (n, n') Level 93-Np-237
 Cross Section -21.70 To 47.60 %



MAT 9346 MT= 52 (n, n') Level 93-Np-237
 Cross Section -100.0 To 105.0 %

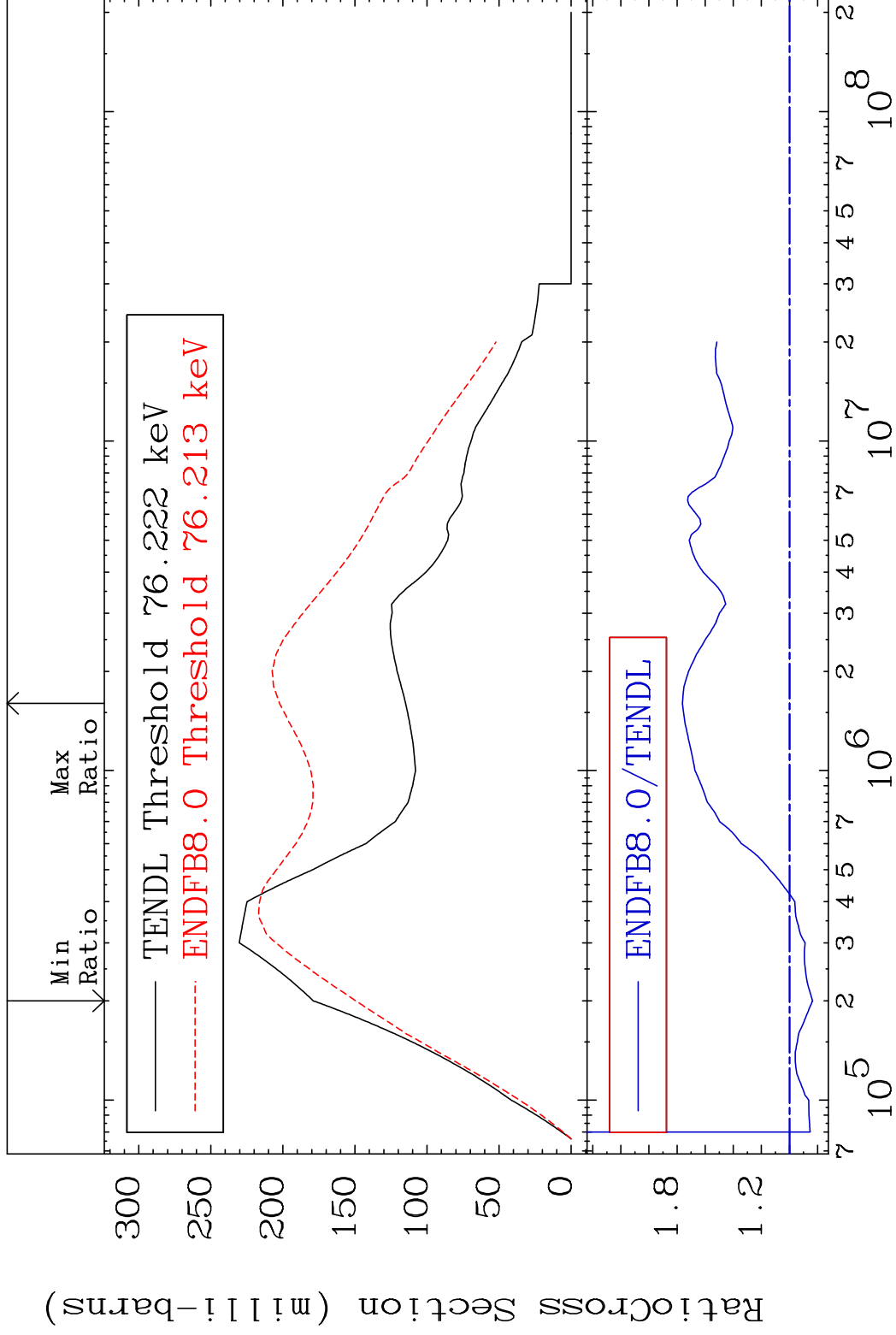


MAT 9346

MT= 53 (n, n') Level

93-Np-237

Cross Section -16.43 To 76.24 %

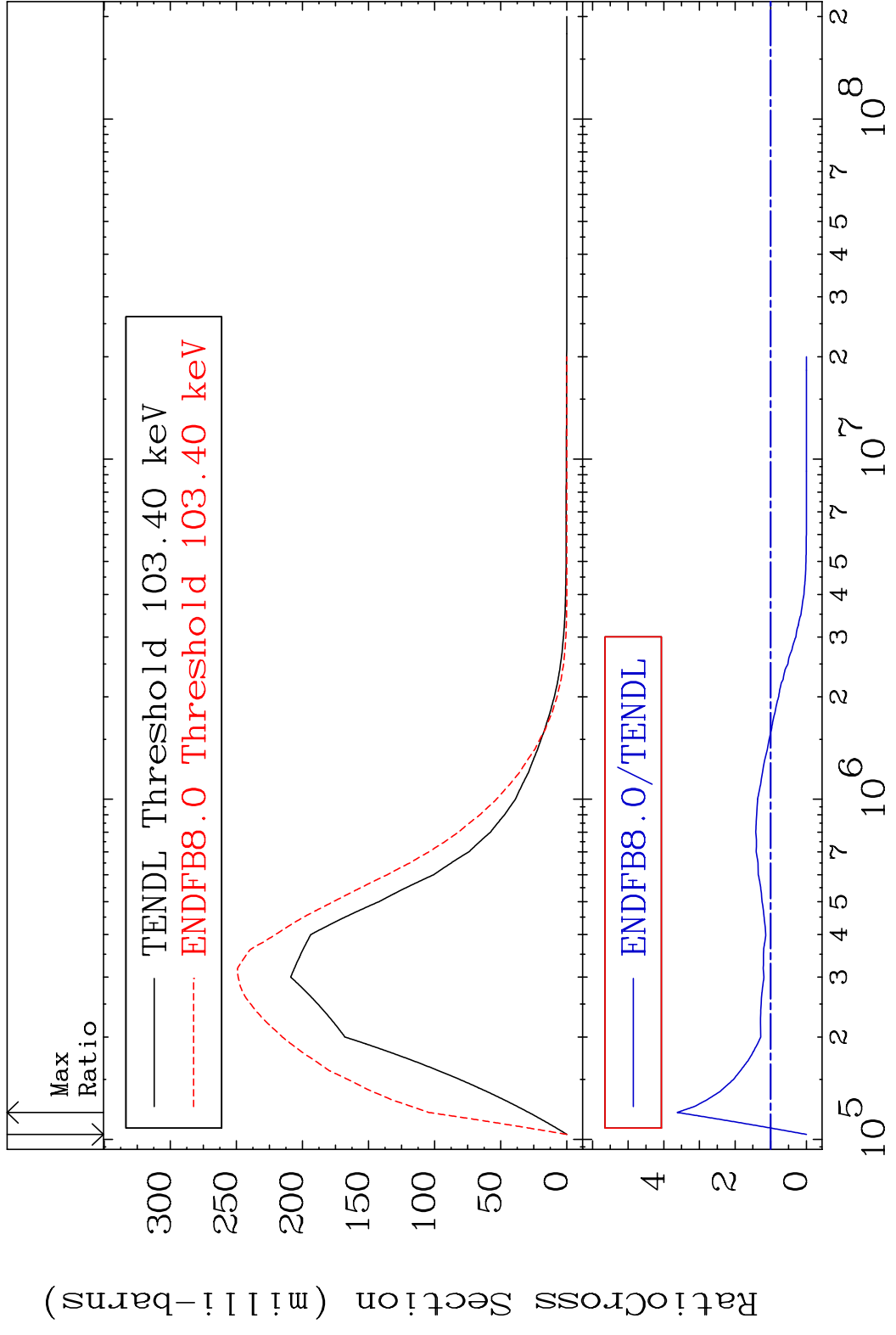


10

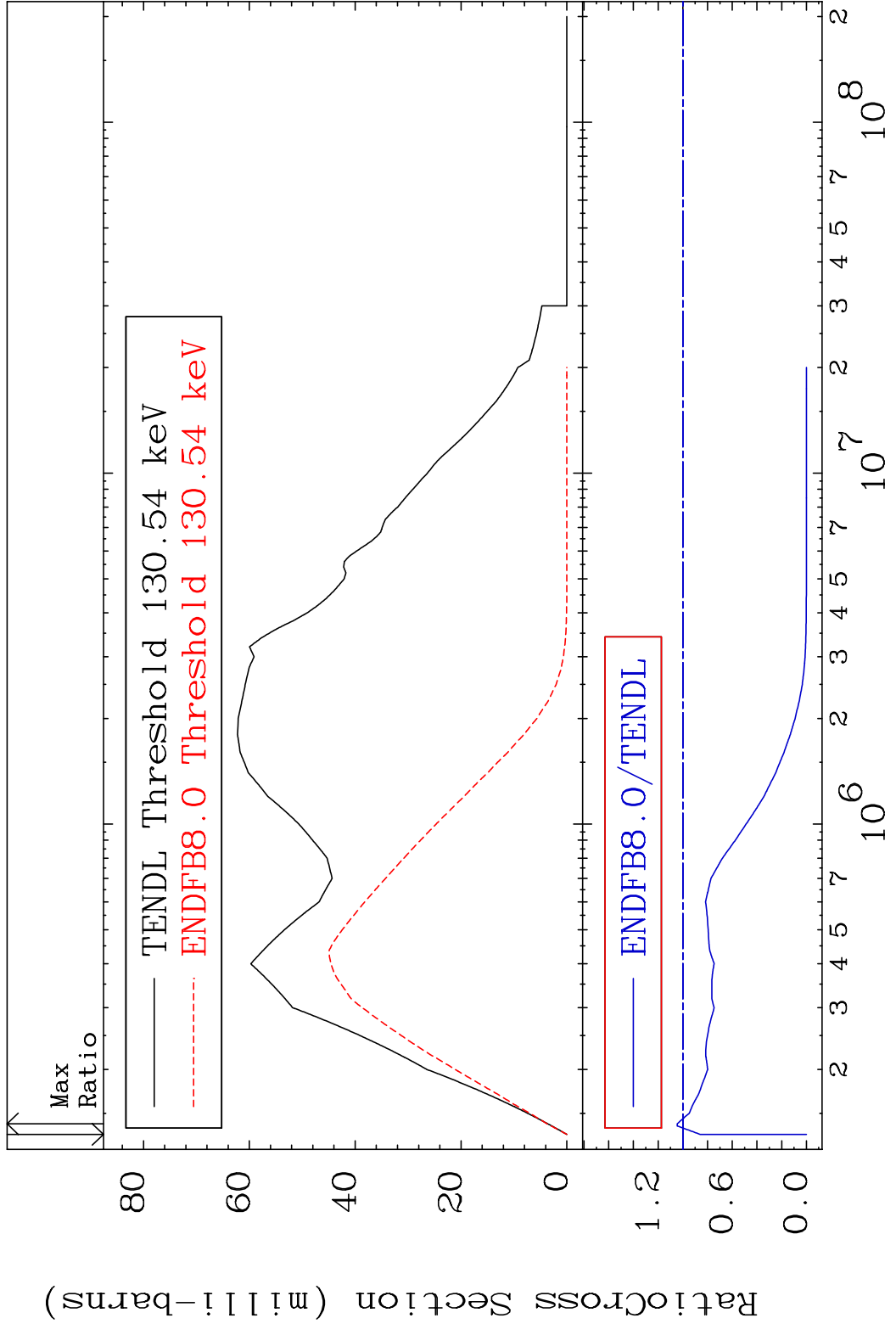
Incident Energy (eV)

93-Np-237

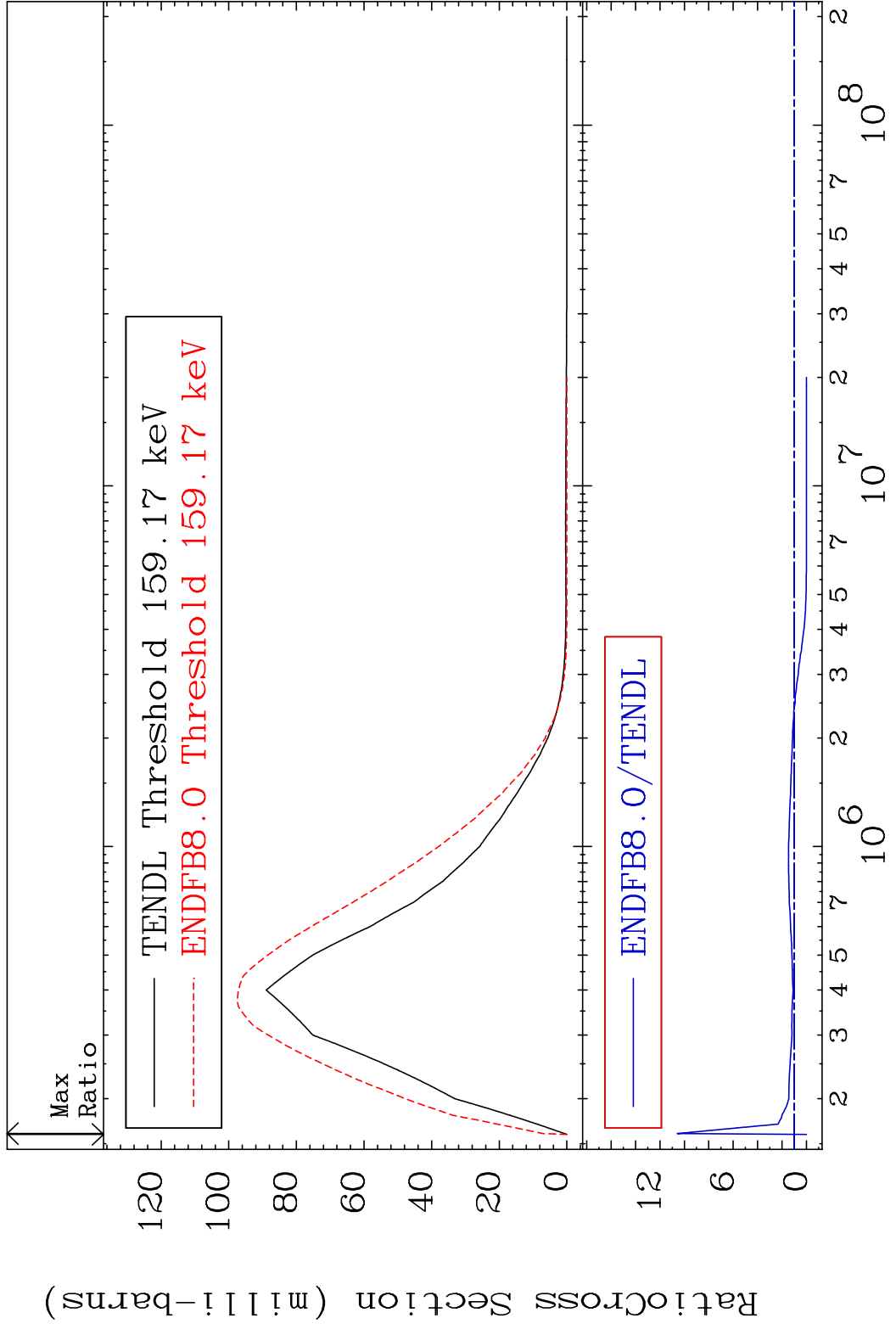
MAT 9346 MT= 54 (n, n') Level 93-Np-237
 Cross Section -100.0 To 262.4 %



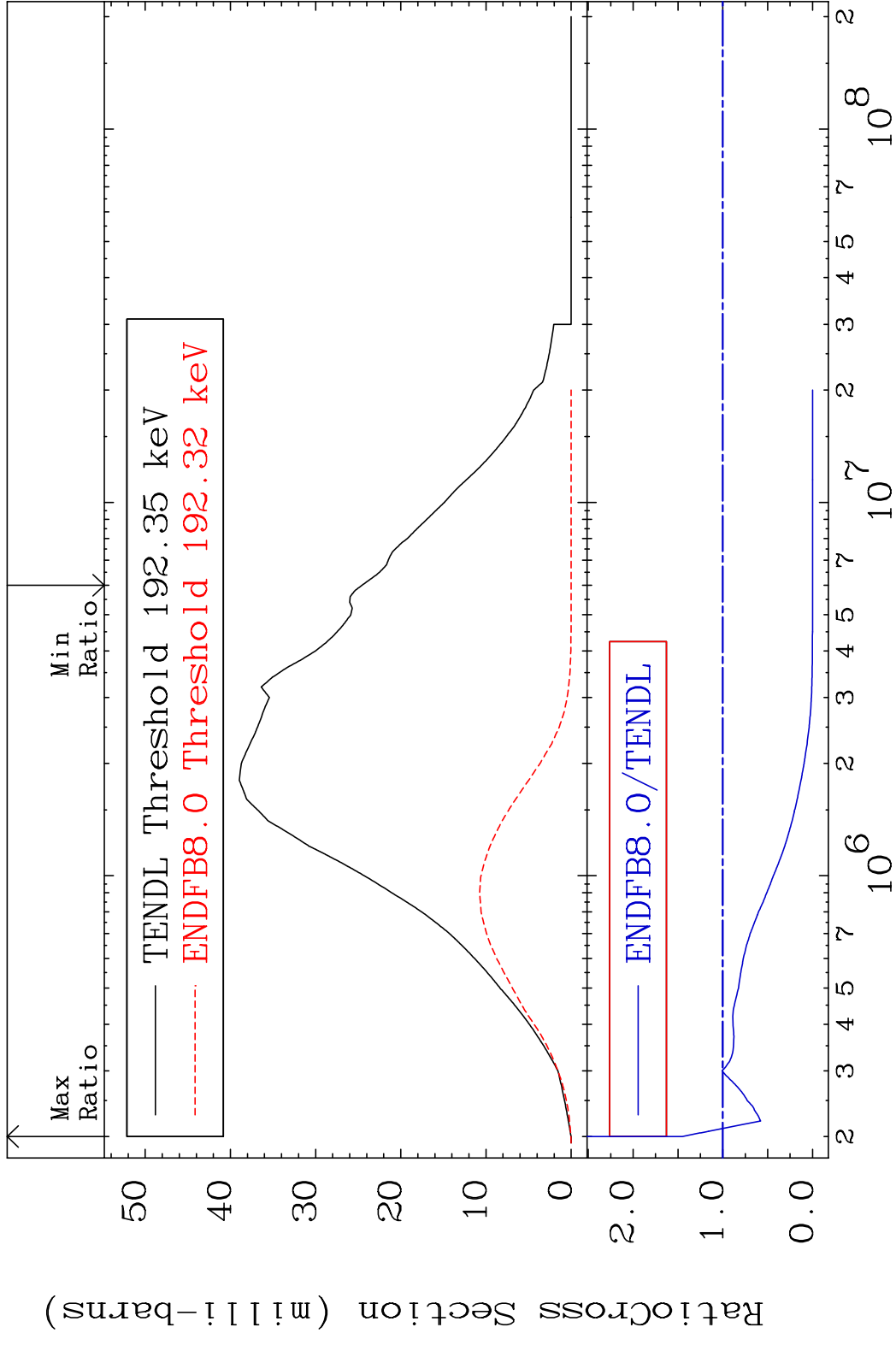
MAT 9346 MT= 55 (n, n') Level 93-Np-237
 Cross Section -100.0 To 4.560 %



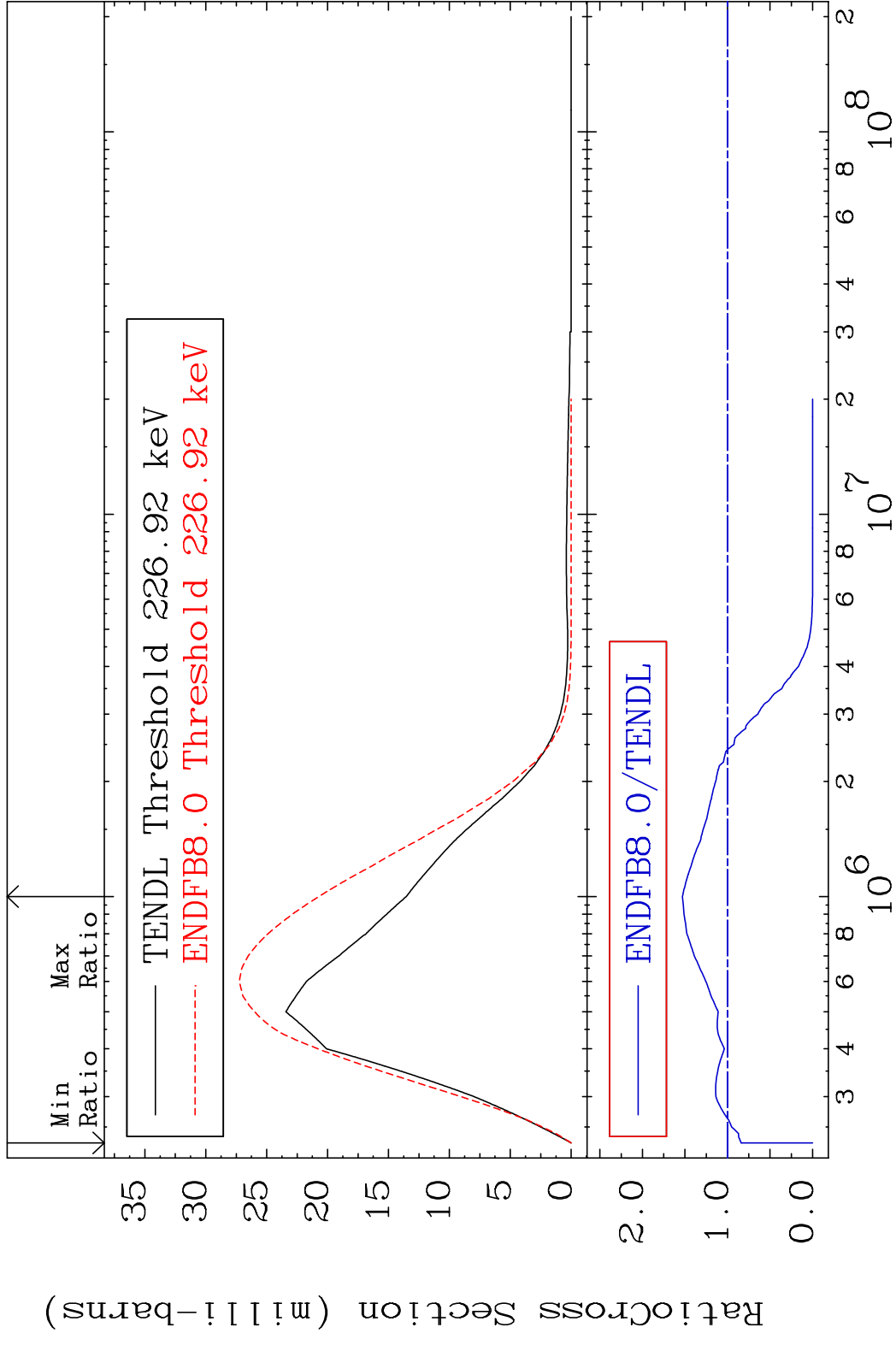
MAT 9346 MT= 56 (n, n') Level 93-Np-237
 Cross Section -100.0 To 958.8 %



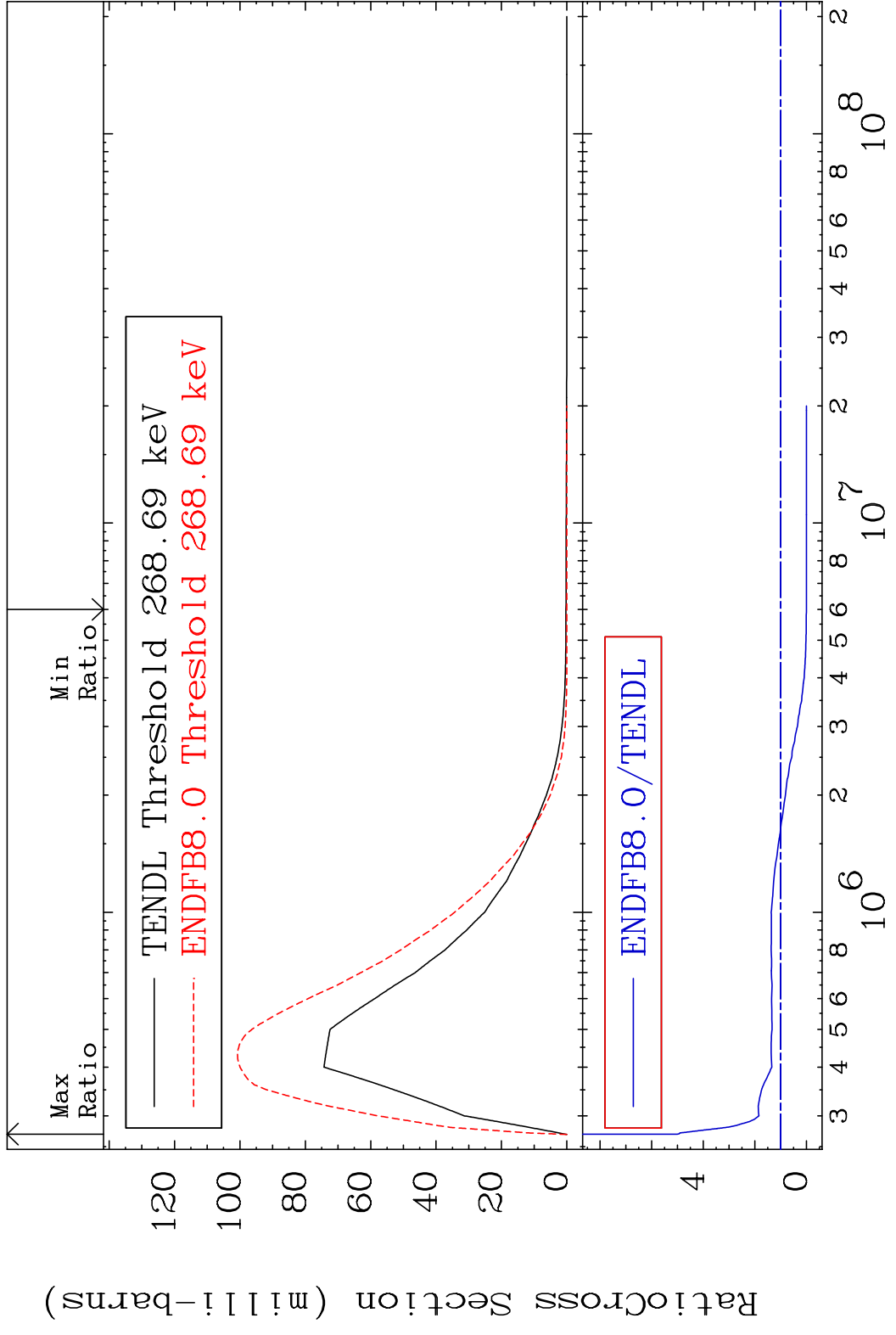
MAT 9346 MT= 57 (n, n') Level 93-Np-237
 Cross Section -100.0 To 45.11 %



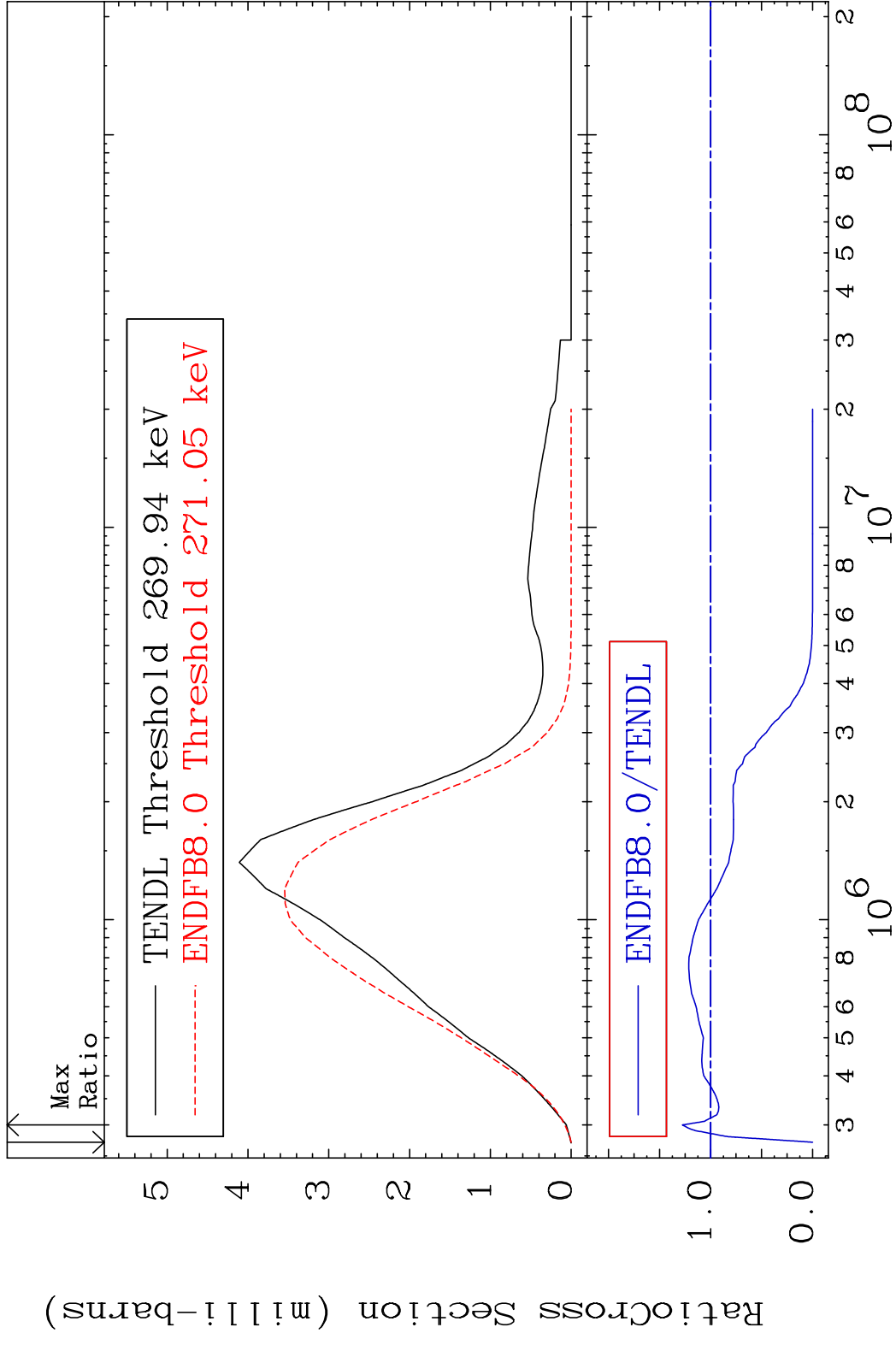
MAT 9346 MT= 58 (n, n') Level 93-Np-237
 Cross Section -100.0 To 53.06 %



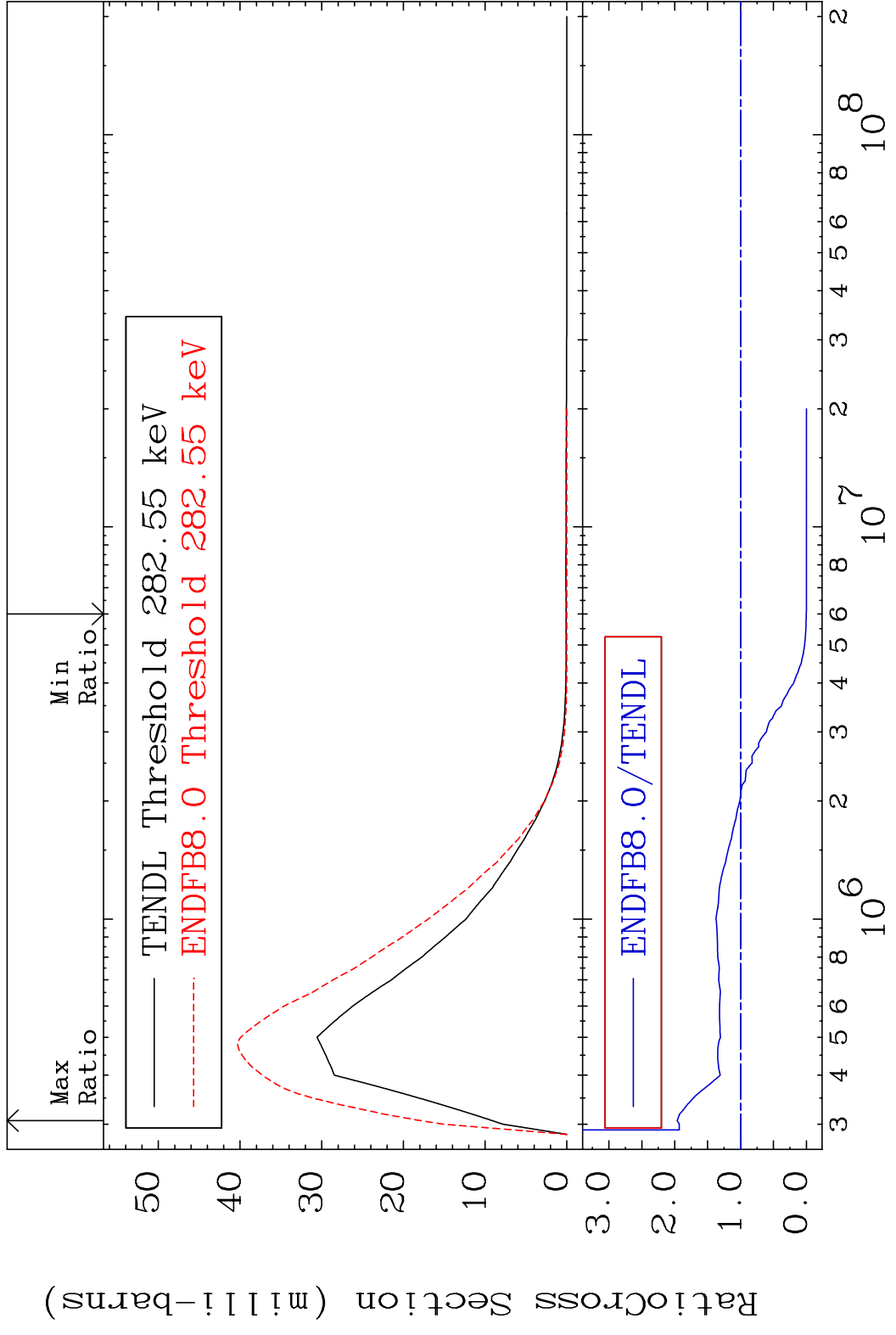
MAT 9346 MT= 59 (n, n') Level 93-Np-237
 Cross Section -100.0 To 401.2 %



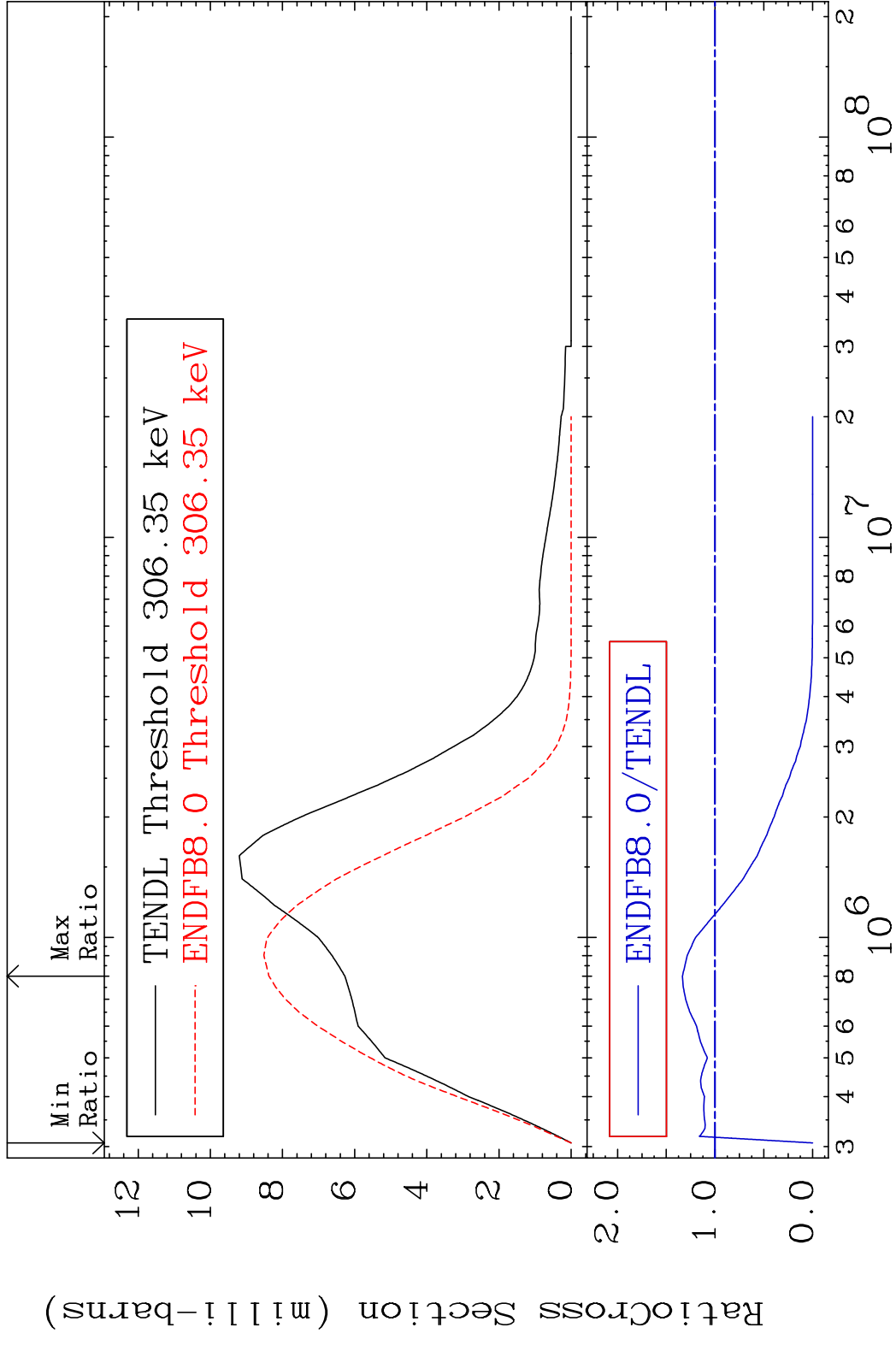
MAT 9346 MT= 60 (n, n') Level 93-Np-237
 Cross Section -100.0 To 27.68 %



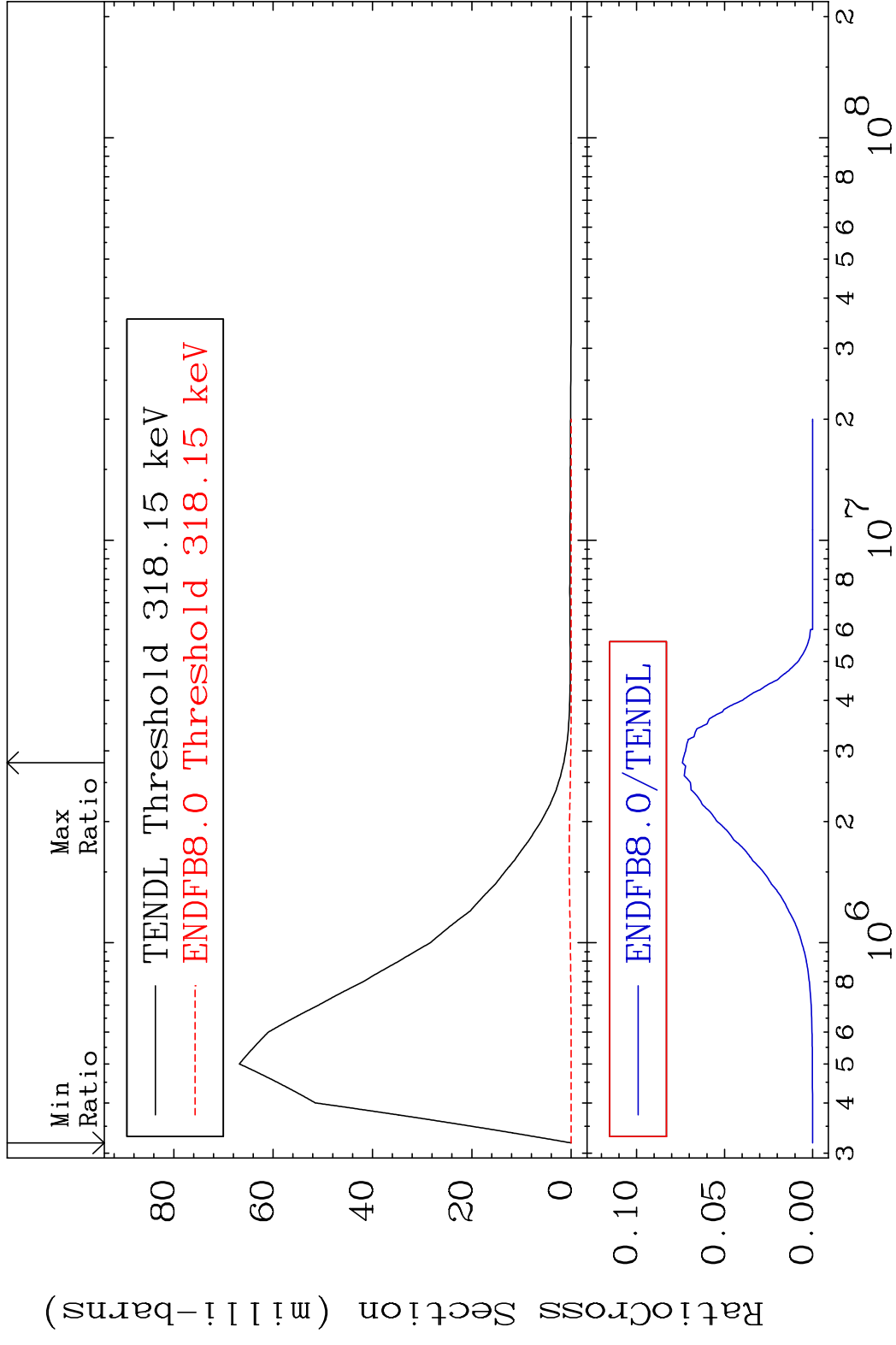
MAT 9346 MT= 61 (n, n') Level 93-Np-237
 Cross Section -100.0 To 96.27 %



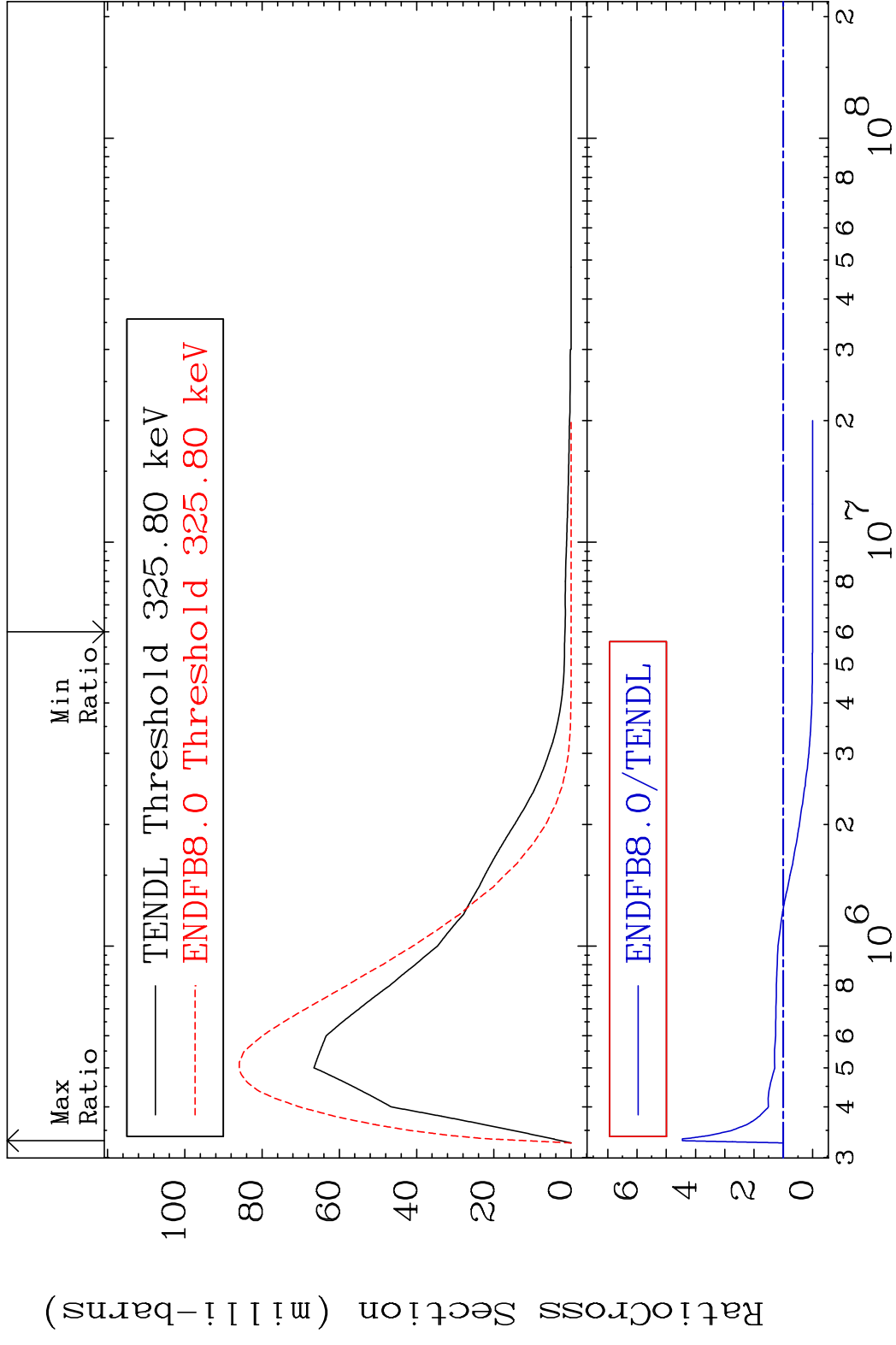
MAT 9346 MT= 62 (n, n') Level 93-Np-237
 Cross Section -100.0 To 33.54 %



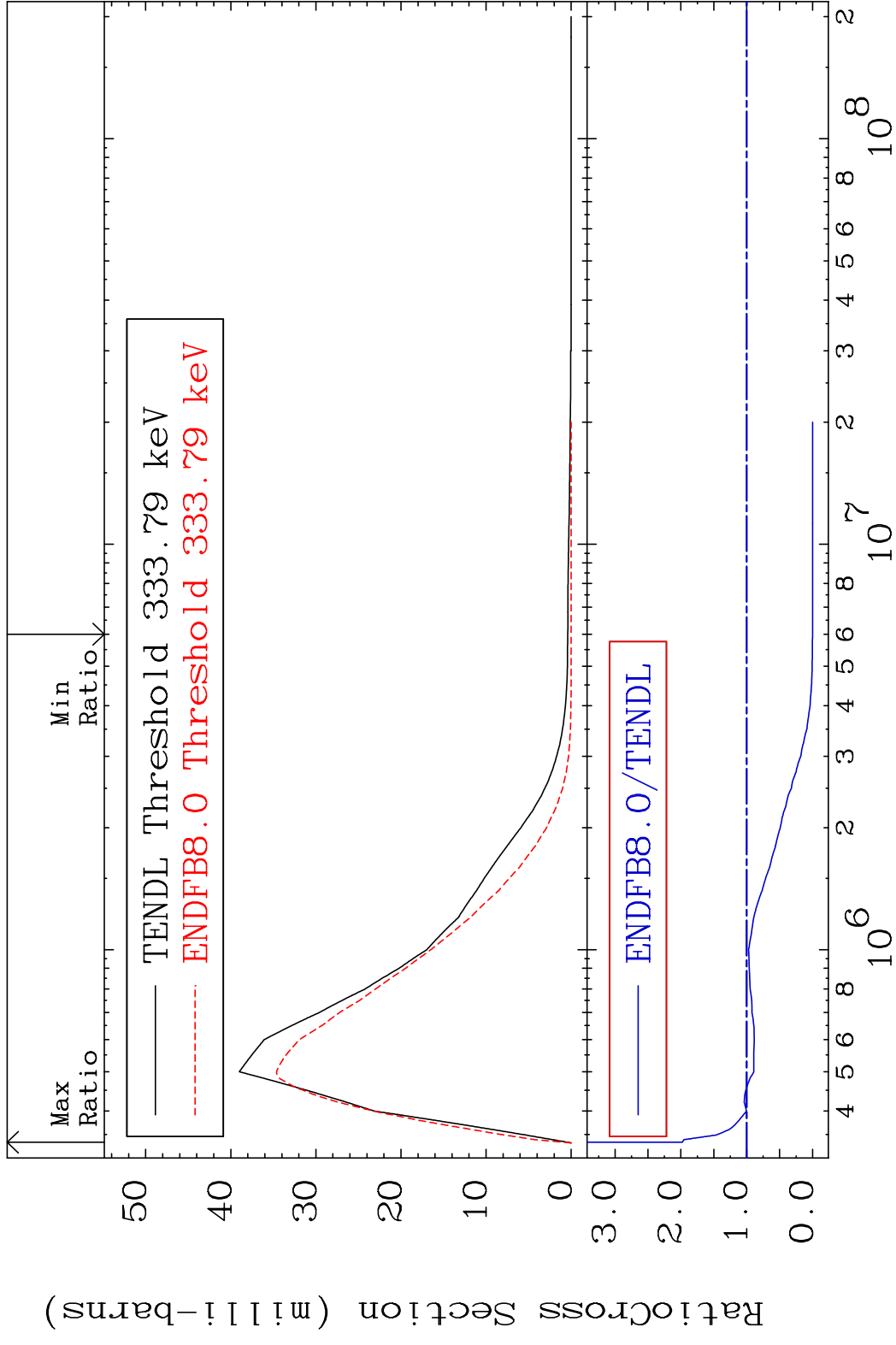
MAT 9346 MT= 63 (n, n') Level 93-Np-237
 Cross Section -100.0 To -92.60%



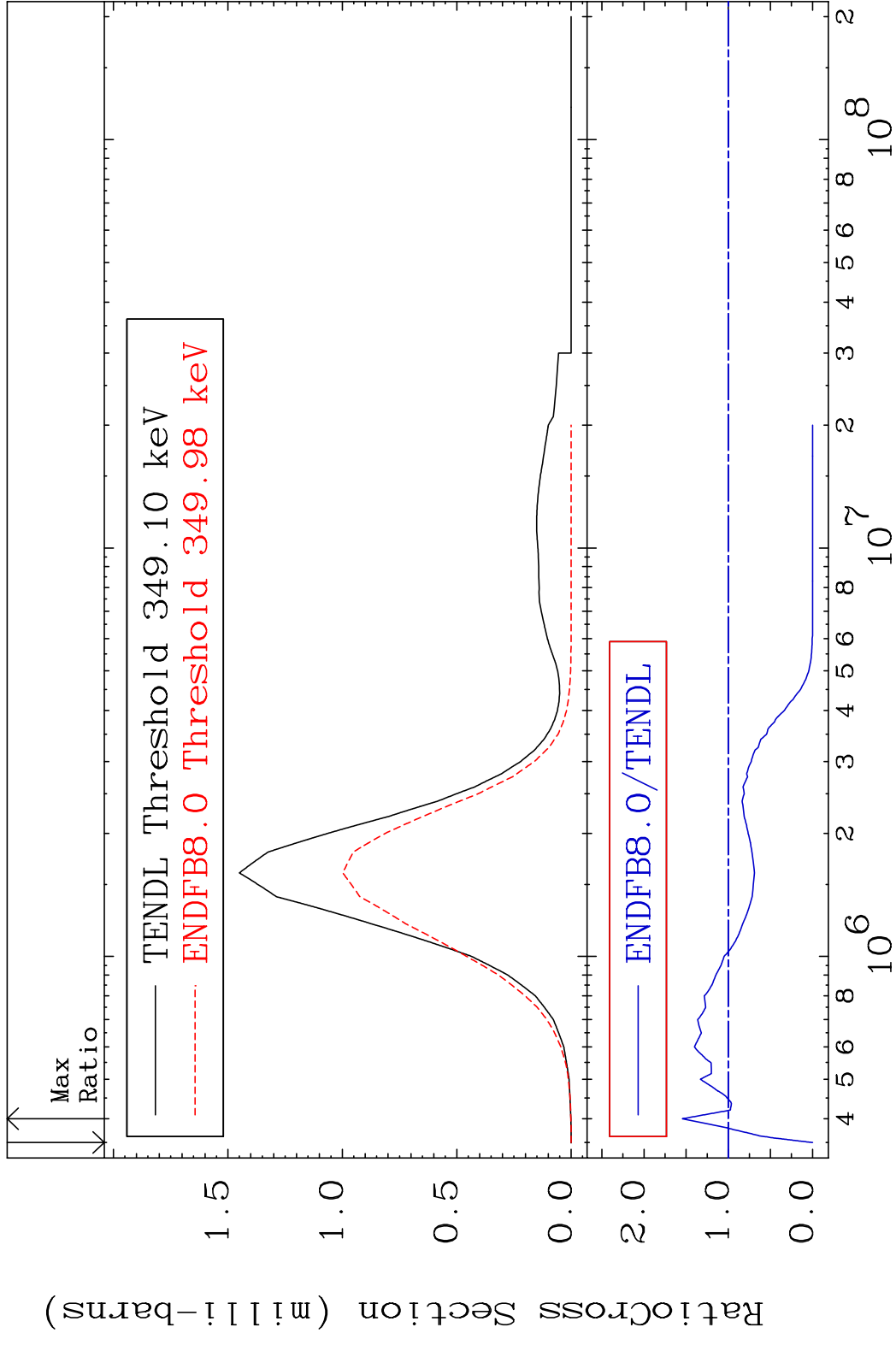
MAT 9346 MT= 64 (n, n') Level 93-Np-237
 Cross Section -100.0 To 345.1 %



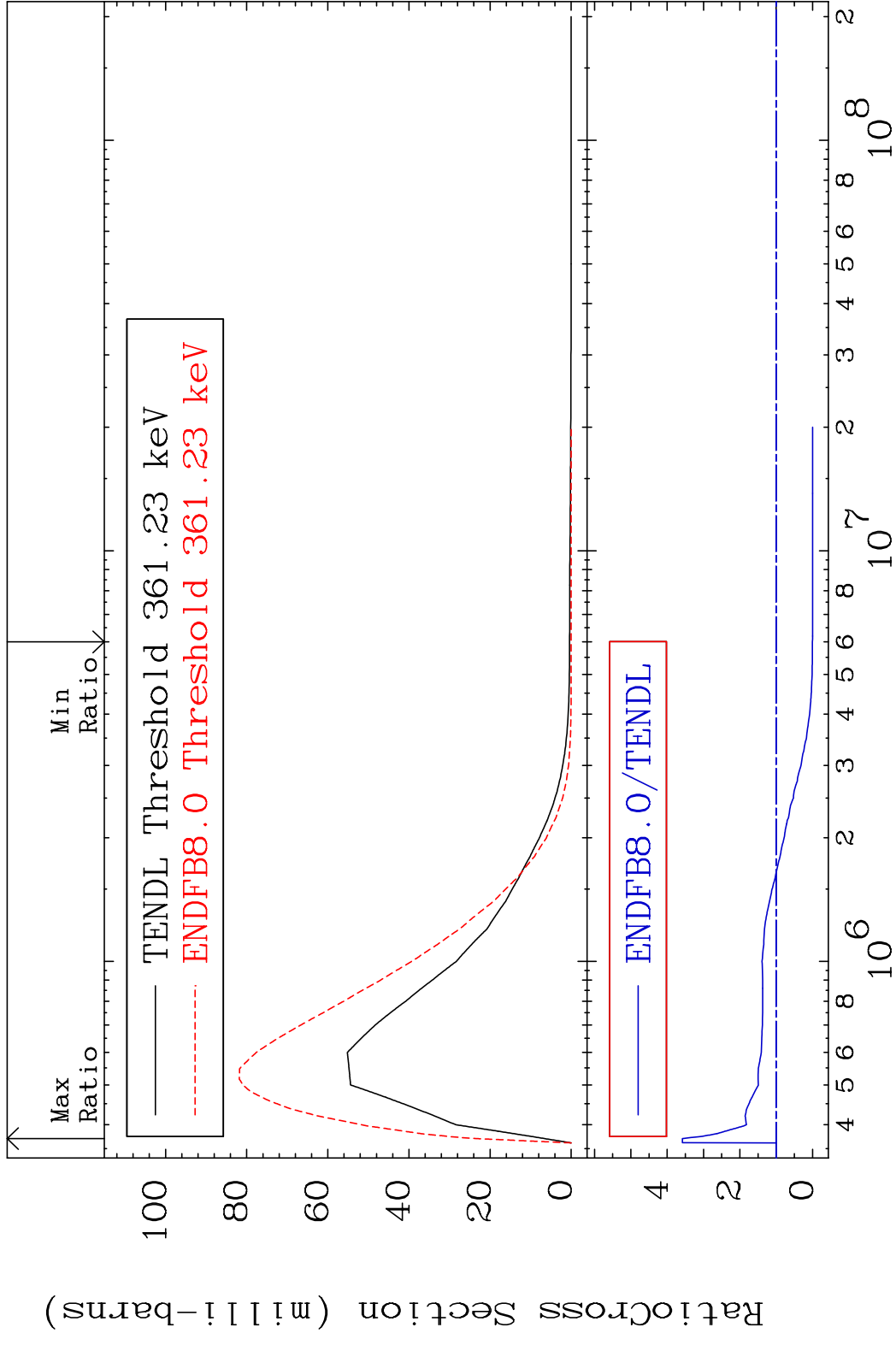
MAT 9346 MT= 65 (n, n') Level 93-Np-237
 Cross Section -100.0 To 97.79 %



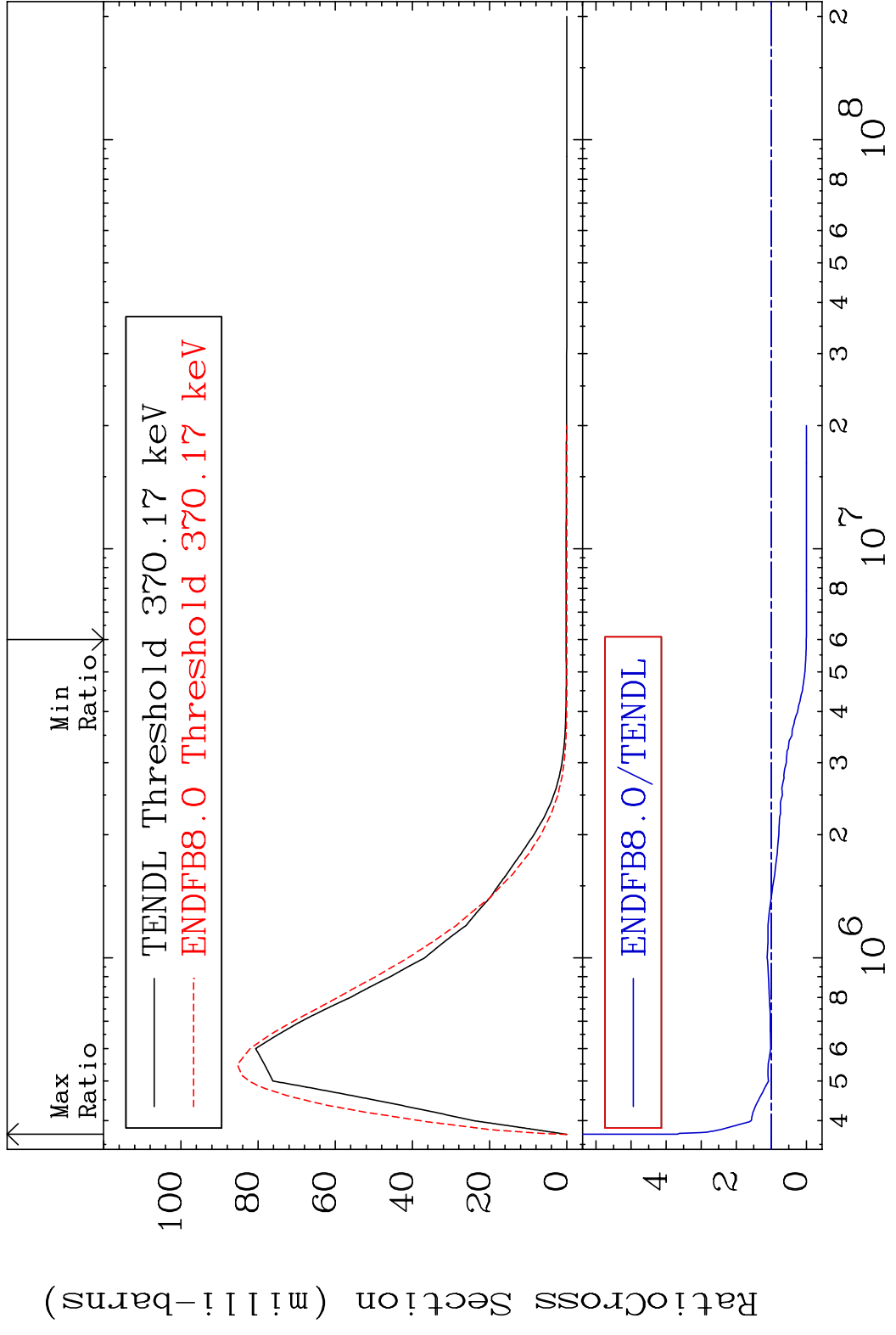
MAT 9346 MT= 66 (n, n') Level 93-Np-237
 Cross Section -100.0 To 54.48 %



MAT 9346 MT= 67 (n, n') Level 93-Np-237
 Cross Section -100.0 To 258.3 %



MAT 9346 MT= 68 (n, n') Level 93-Np-237
 Cross Section -100.0 To 268.5 %

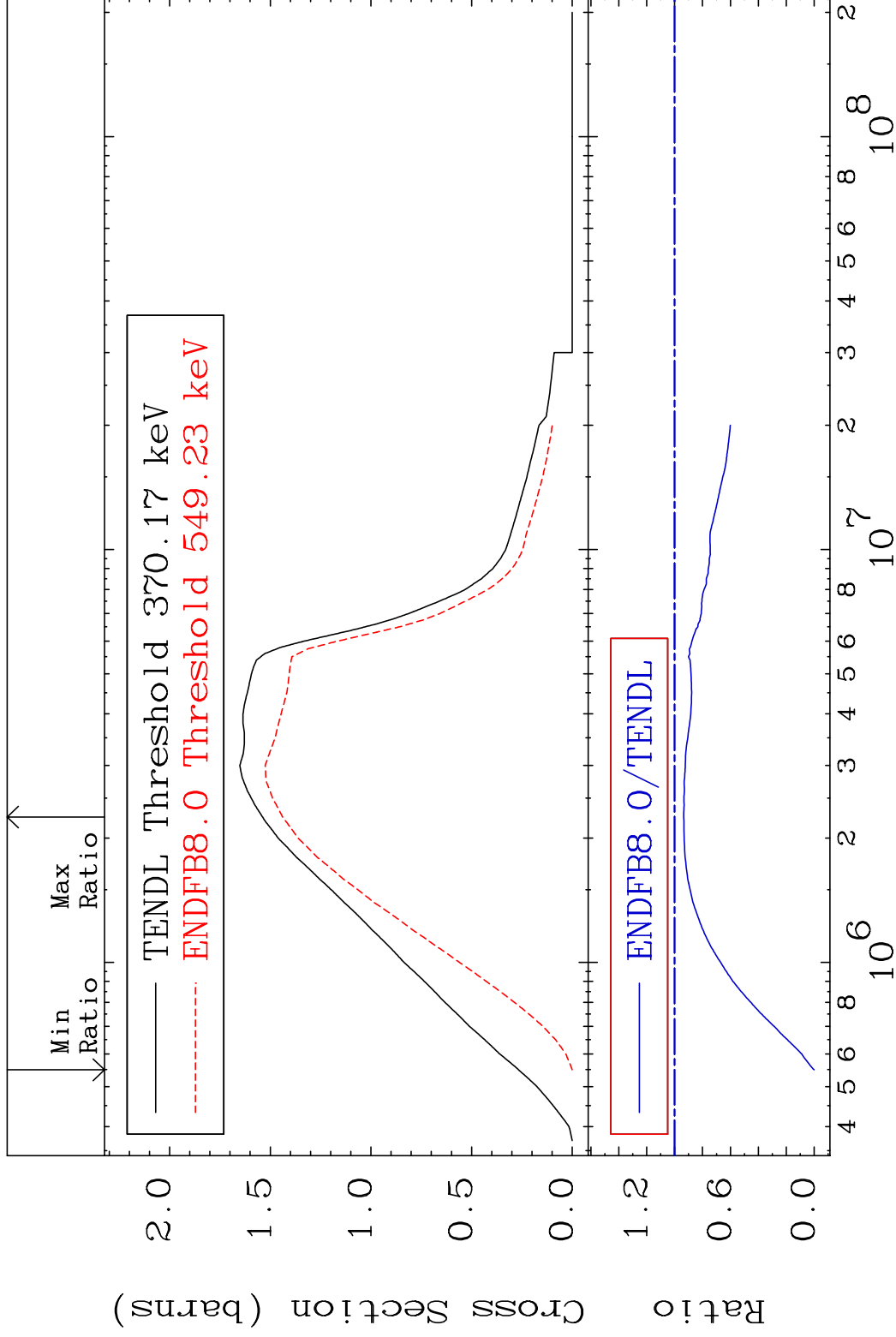


MAT 9346

(n,n') Continuum

93-Np-237

Cross Section -100.0 To -6.459%



26

Incident Energy (eV)

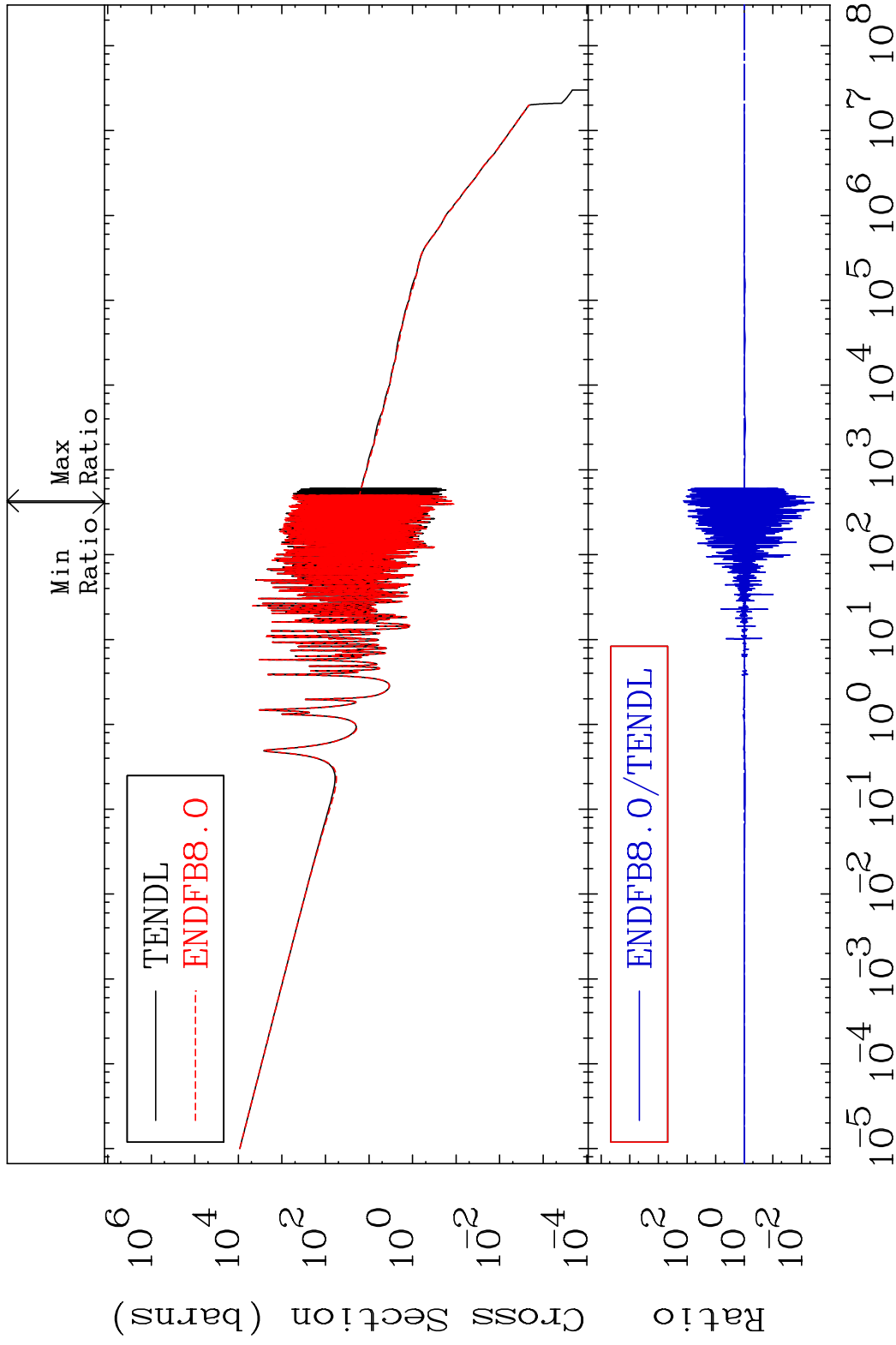
93-Np-237

MAT 9346

(n, γ)

93-Np-237

Cross Section -99.64 To 9999. %



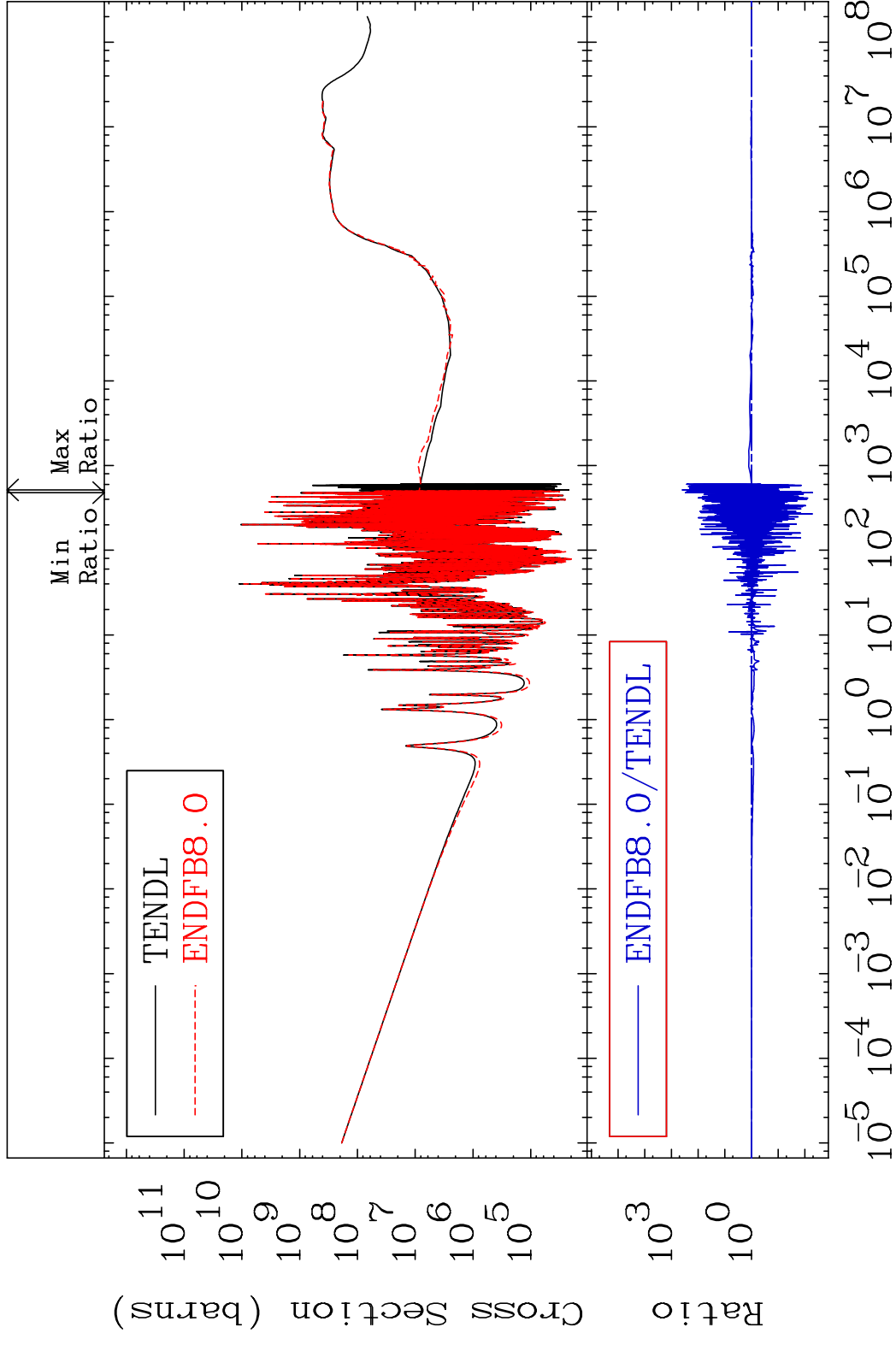
27

Incident Energy (eV)

93-Np-237

MAT 9346

Kerma total (eV-barns) 93-Np-237
Cross Section -99.48 To 9999. %

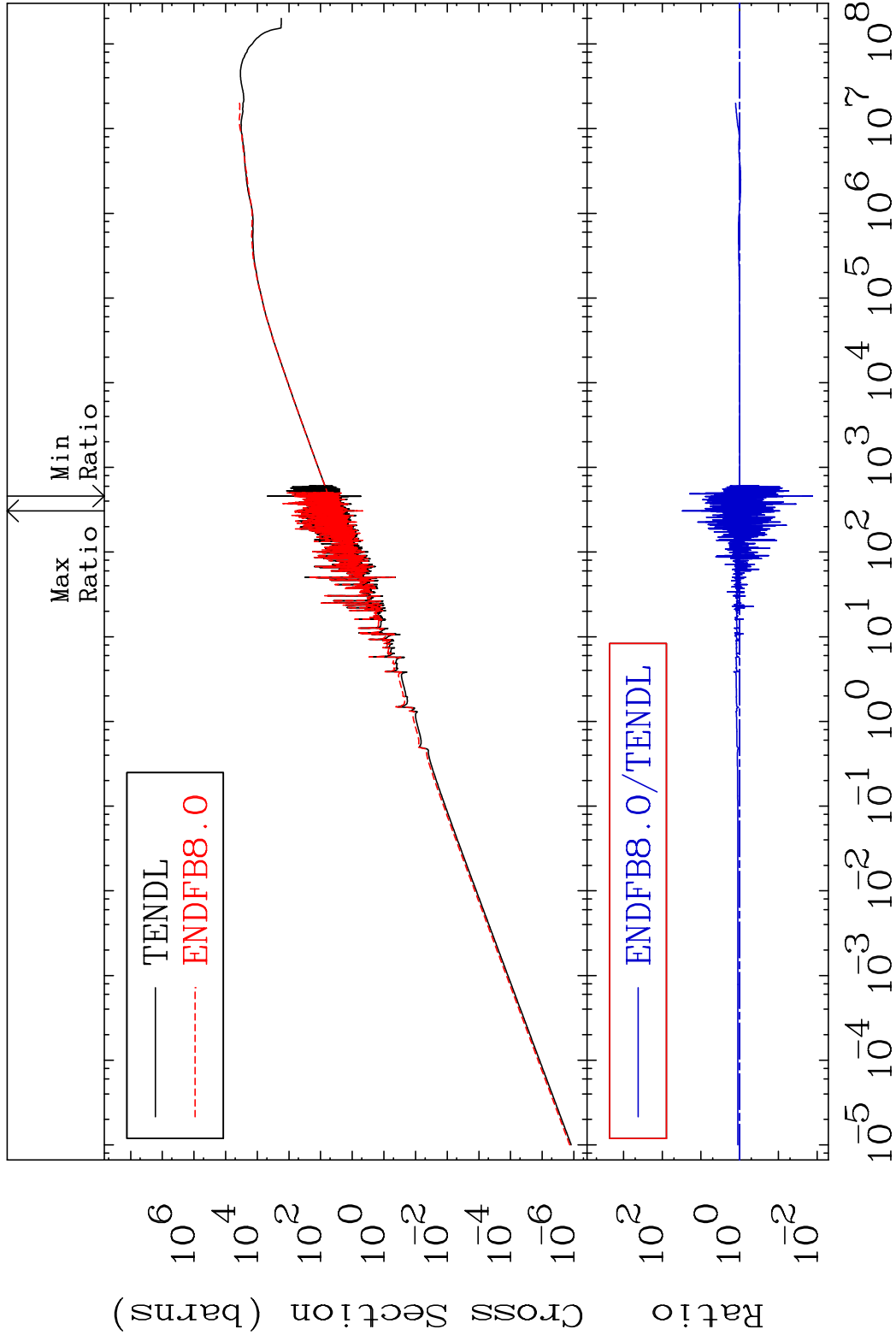


MAT 9346

Kerma elastic

93-Np-237

Cross Section -98.69 To 2921. %

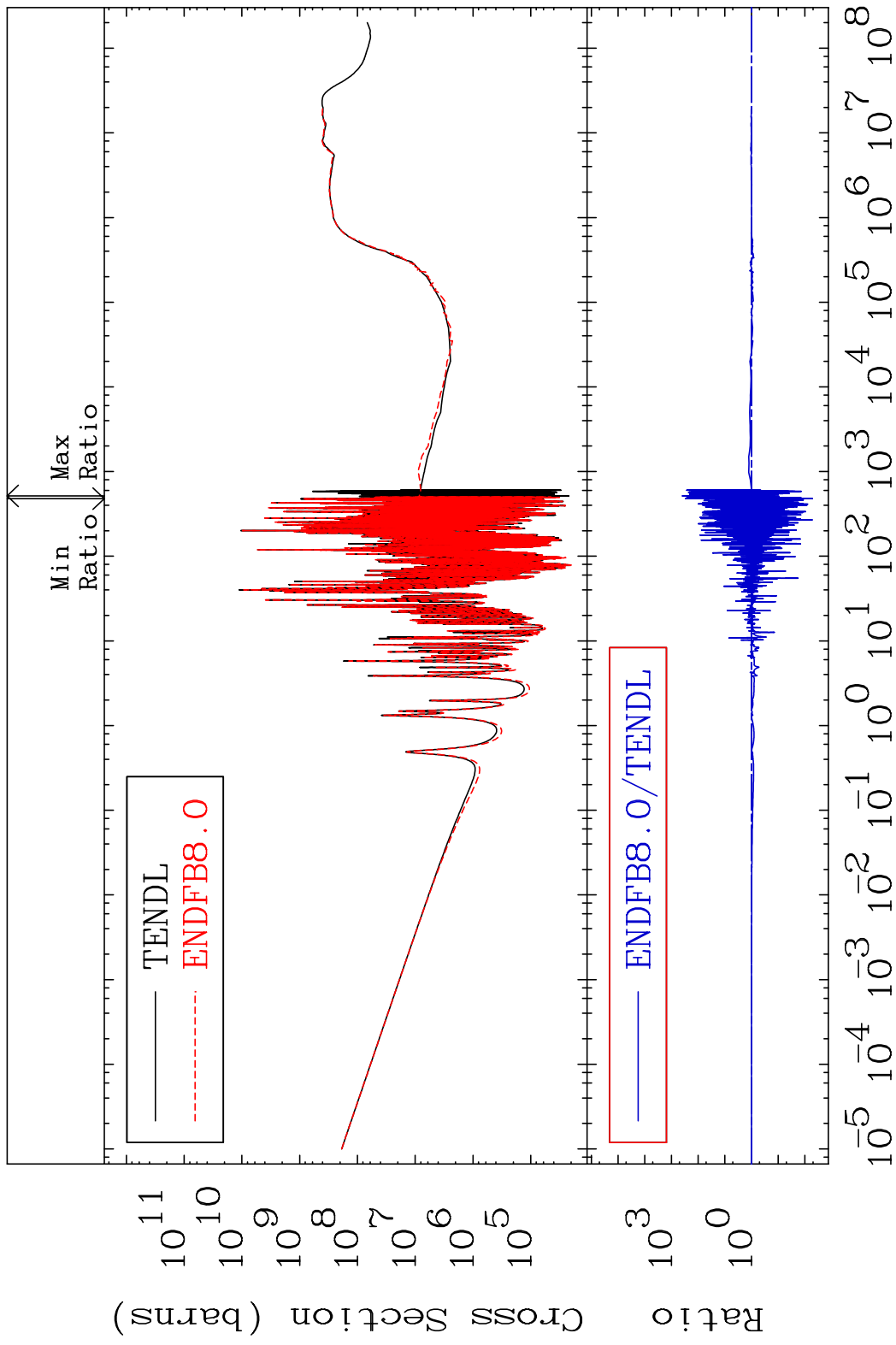


29

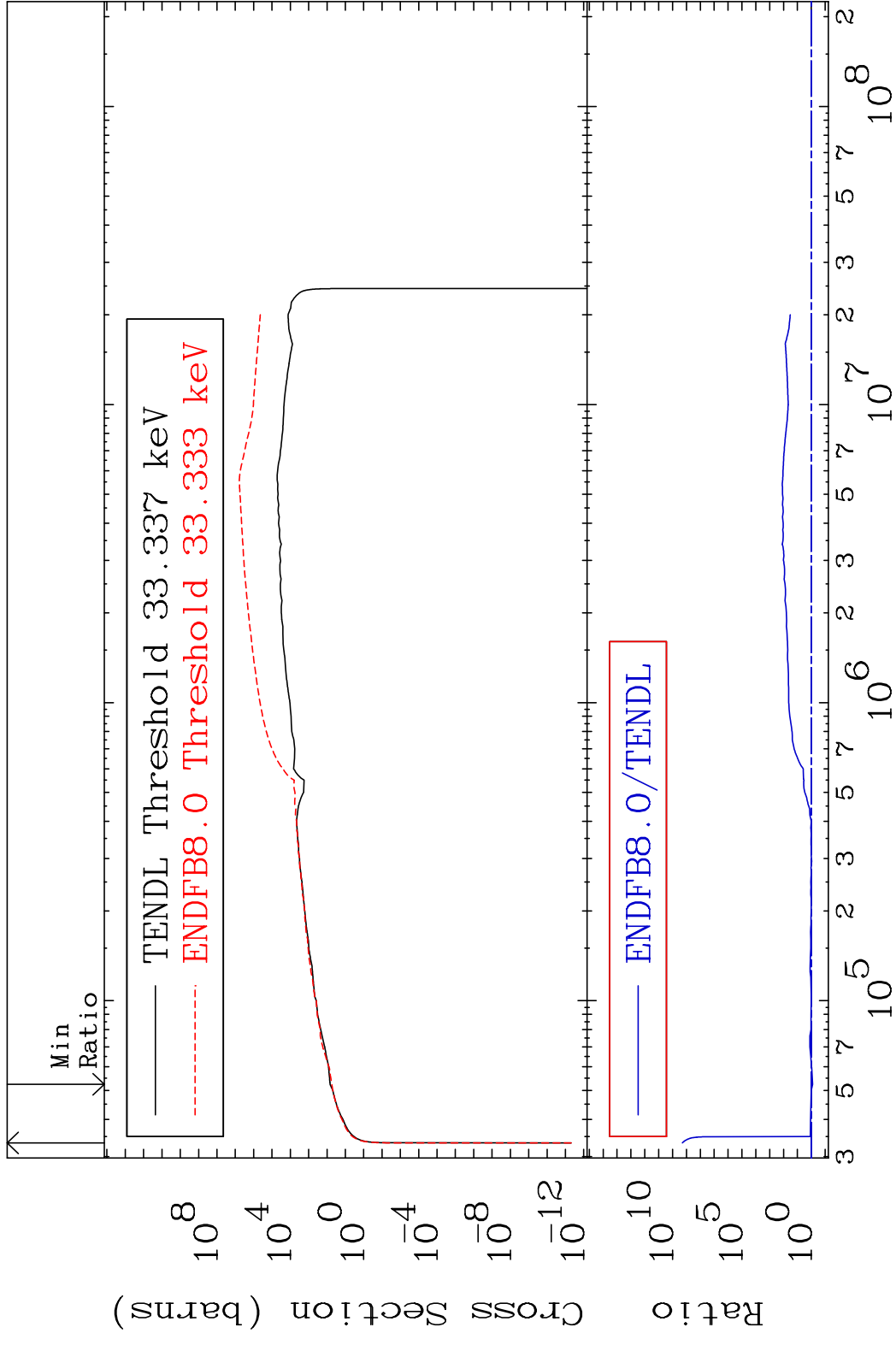
Incident Energy (eV)

93-Np-237

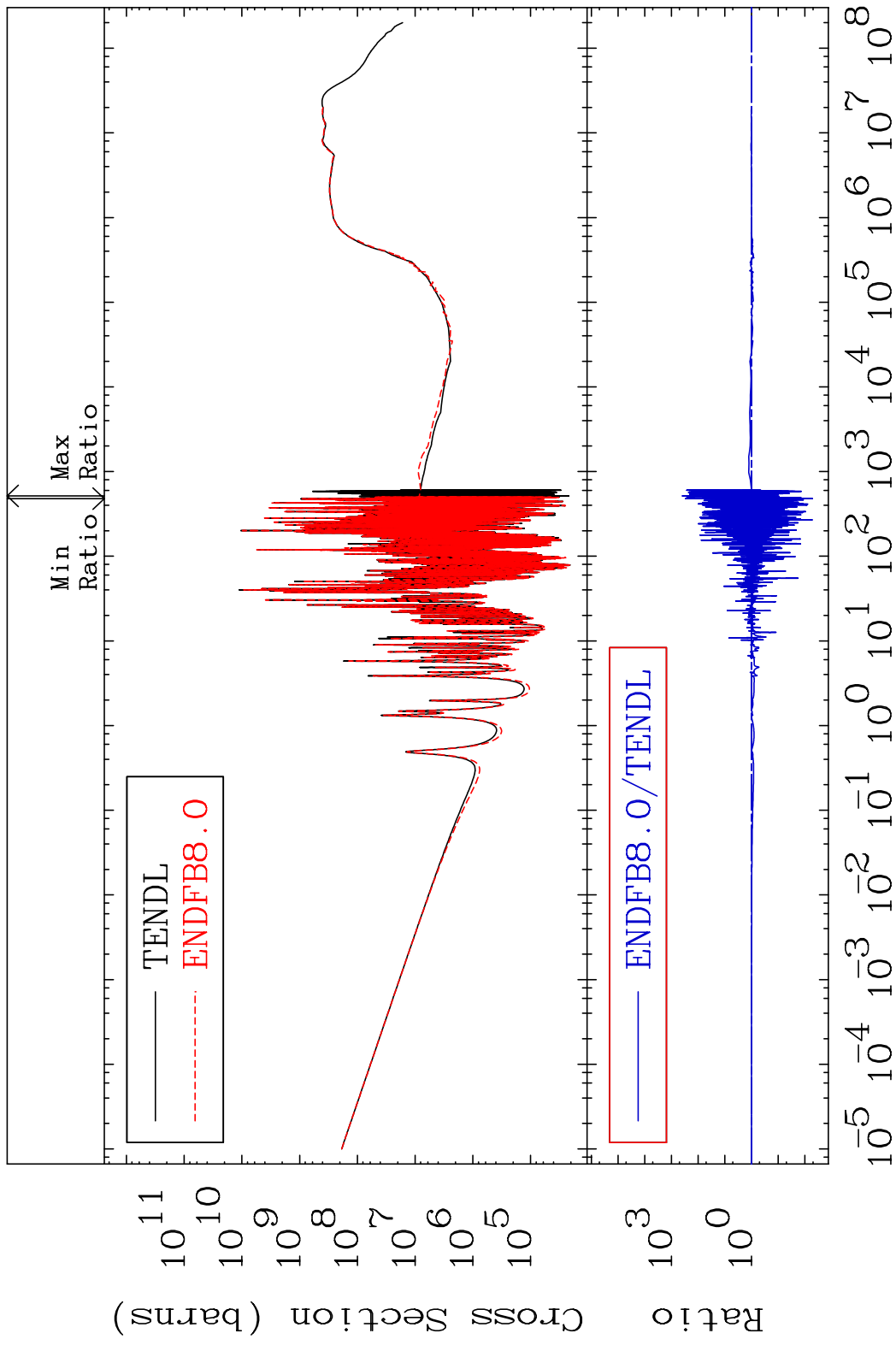
MAT 9346 Kerma non-elastic (all but mt2) 93-Np-237
 Cross Section -99.48 To 9999. %



MAT 9346 Kerma inelastic (mt51-91) 93-Np-237
 Cross Section -18.80 To 9999. %

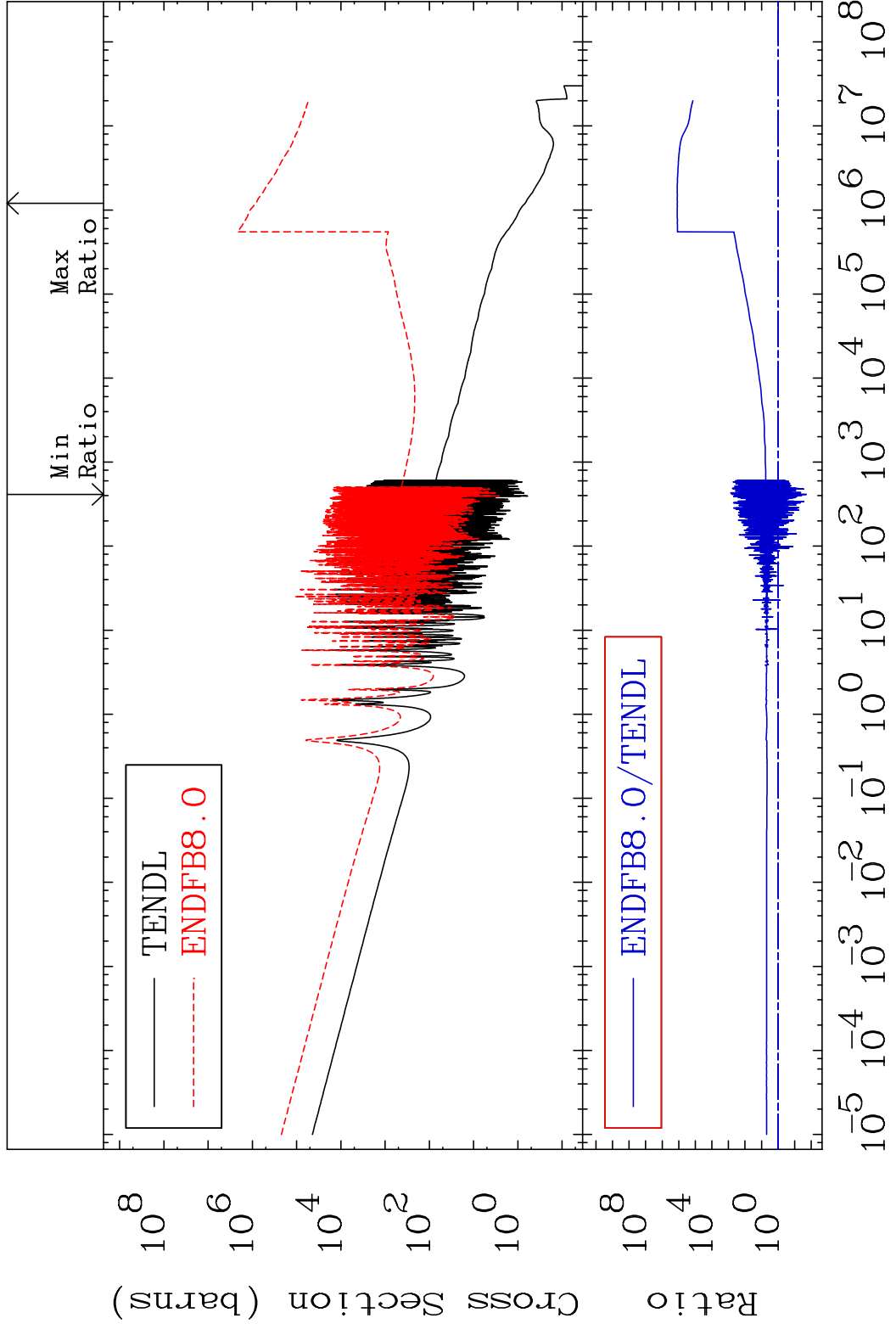


MAT 9346 Kerma fission (mt18 or mt19-20-21-38) 93-Np-237
 Cross Section -99.48 To 9999. %



MAT 9346

Kerma capture (mt102) 93-Np-237
Cross Section -98.05 To 9999. %



33

Incident Energy (eV)

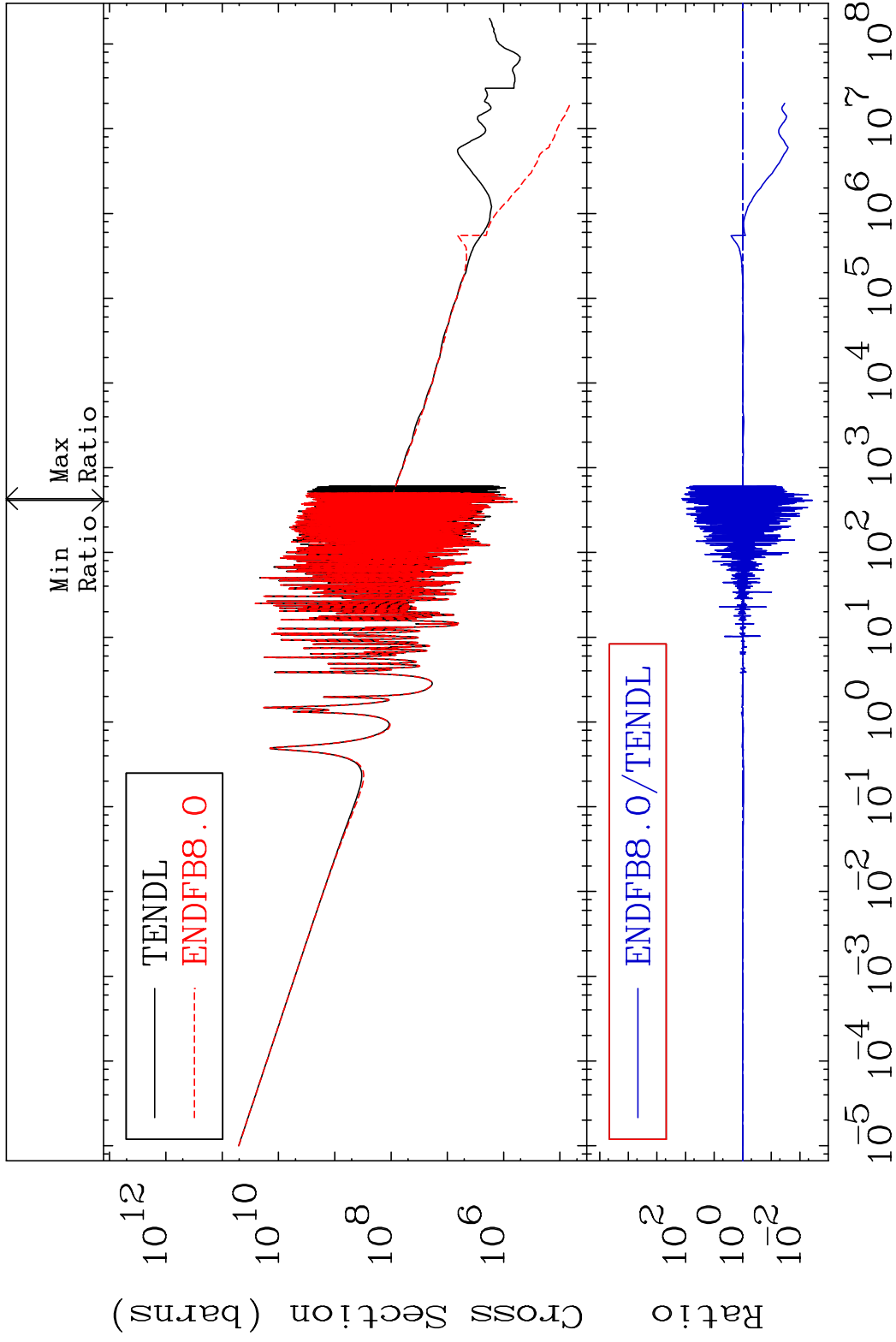
93-Np-237

MAT 9346

Total photon (eV-barns)

93-Np-237

Cross Section -99.64 To 9999. %

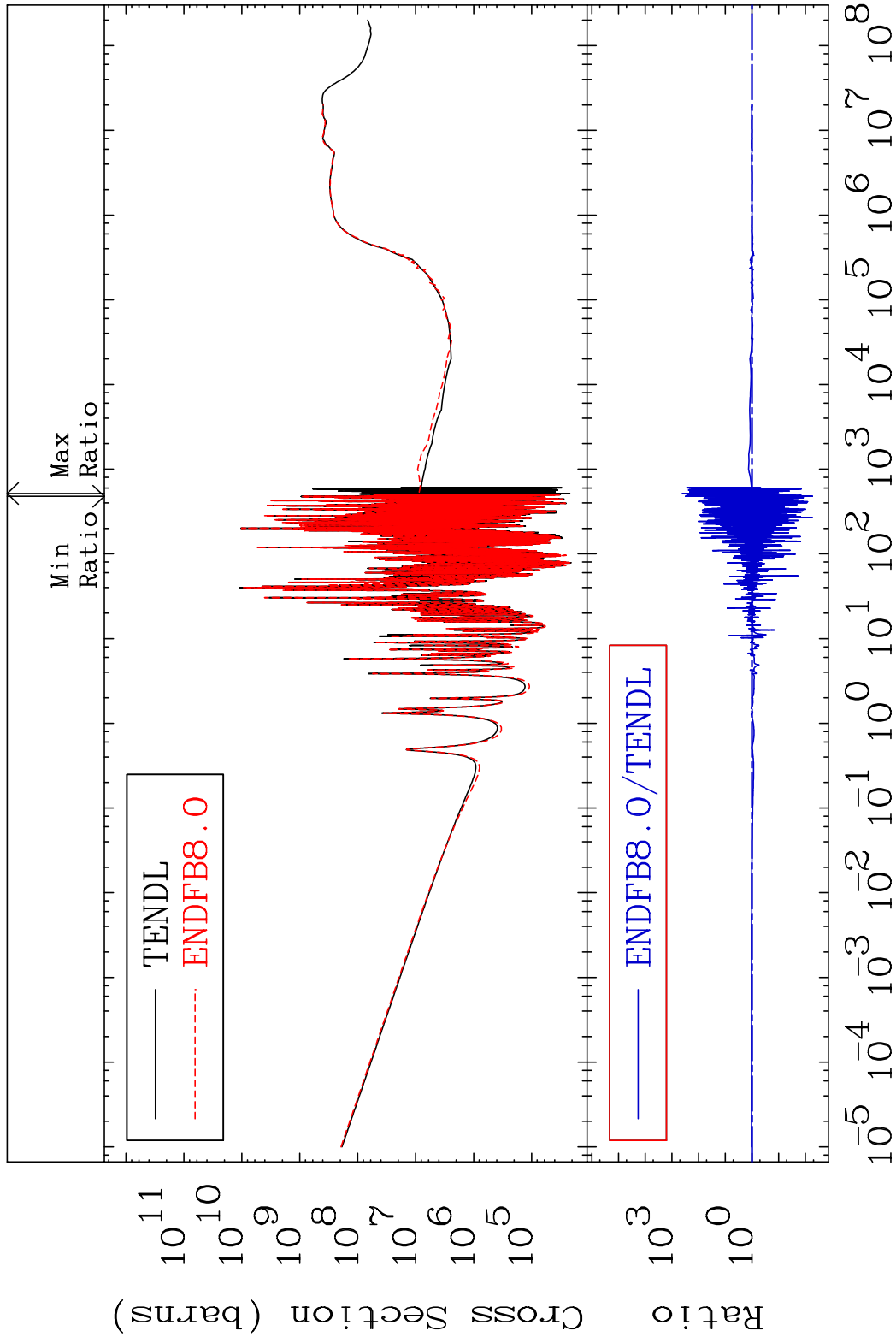


34

Incident Energy (eV)

93-Np-237

MAT 9346 Total kinematic kerma (high limit) 93-Np-237
 Cross Section -99.46 To 9999. %

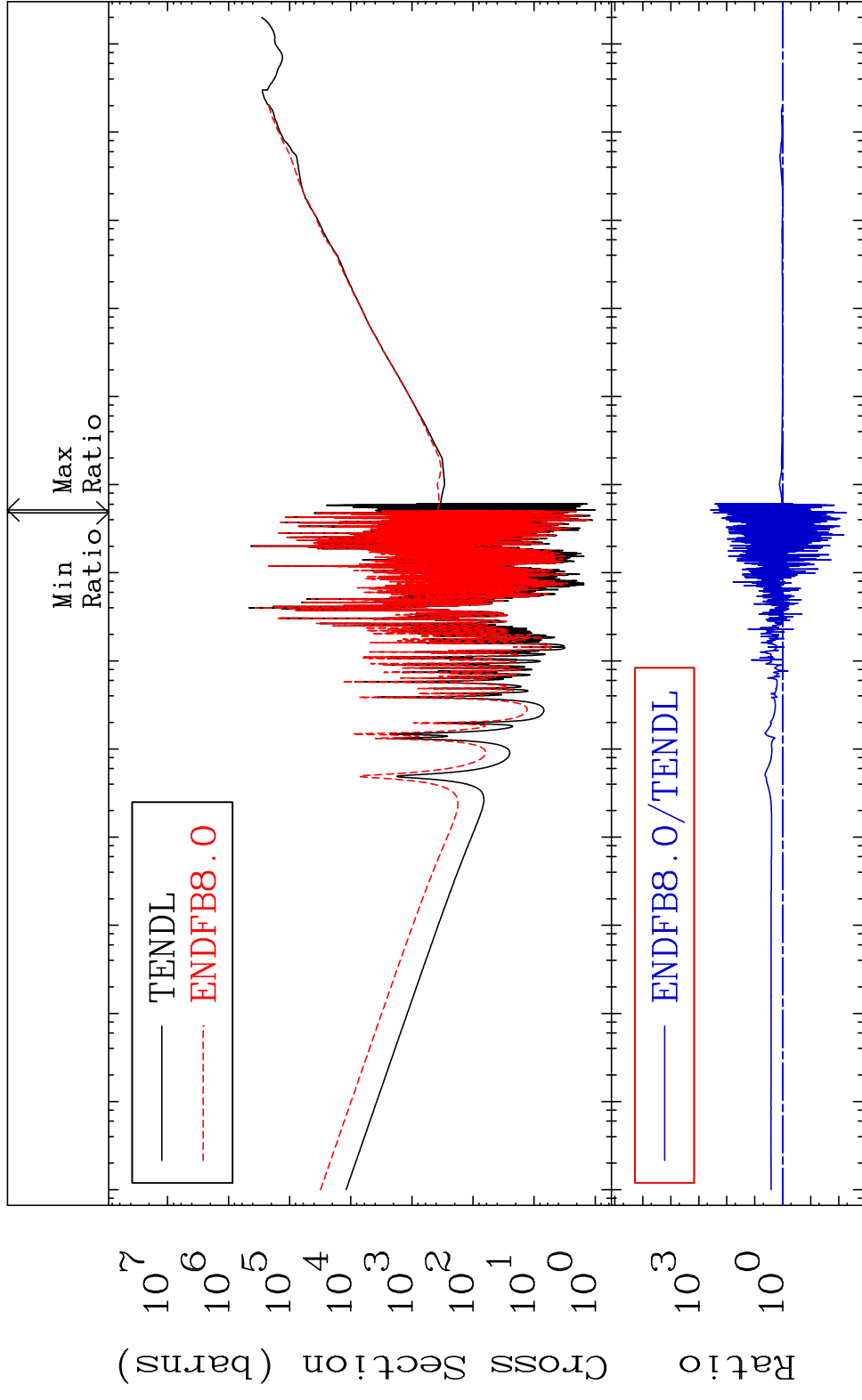


MAT 9346

Dpa total (eV-barns)

93-Np-237

Cross Section -99.47 To 9999. %

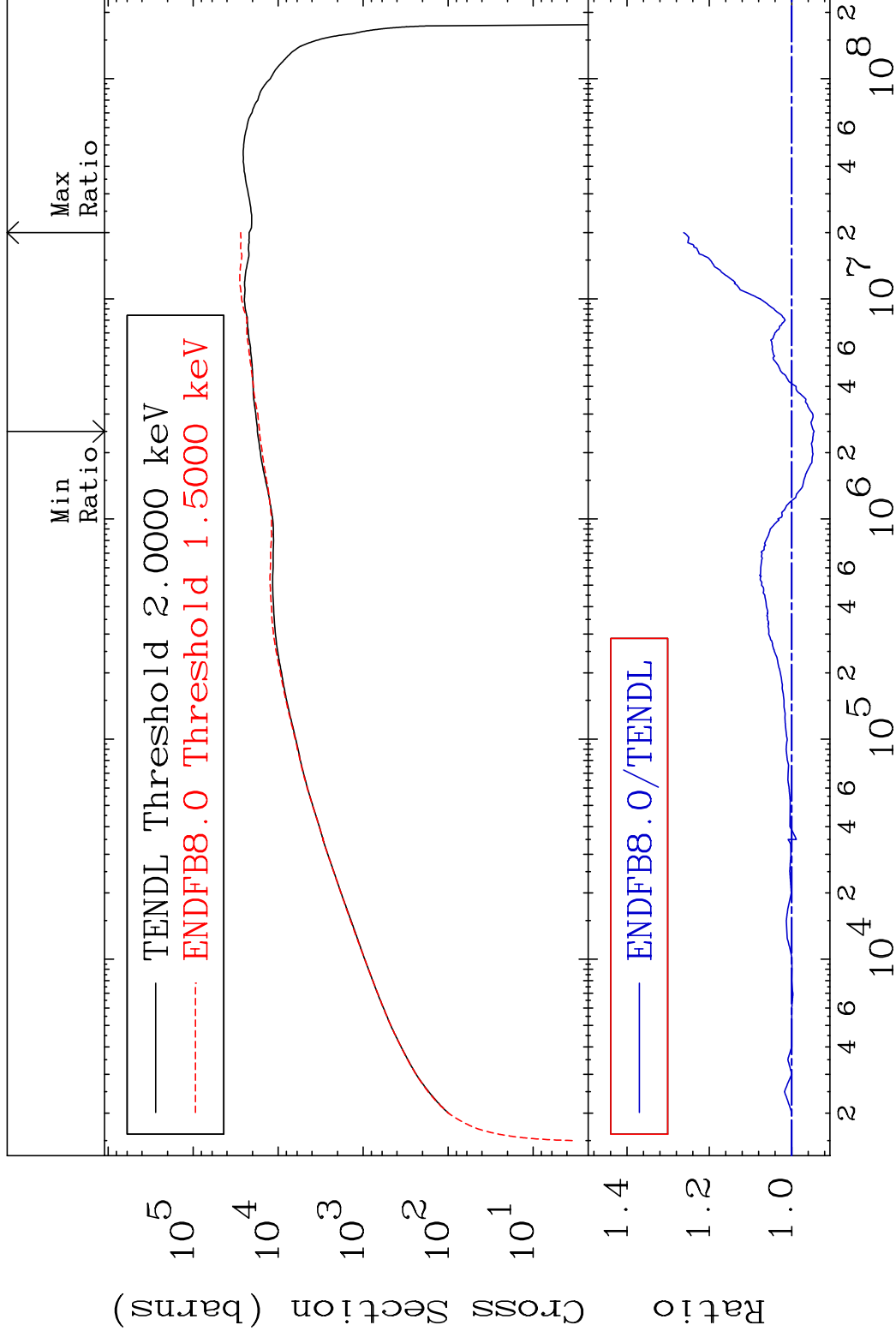


MAT 9346

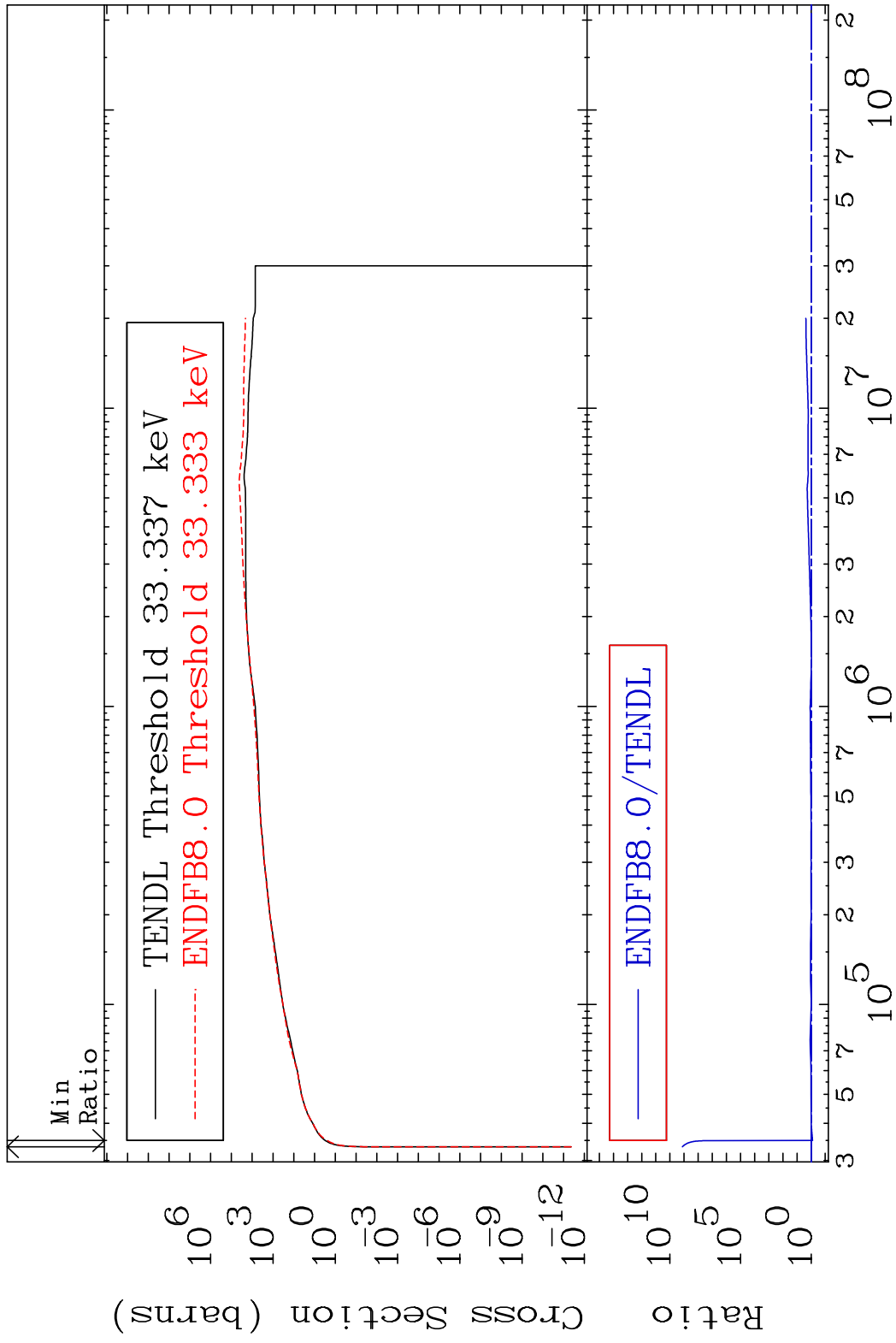
Dpa elastic (mt2)

93-Np-237

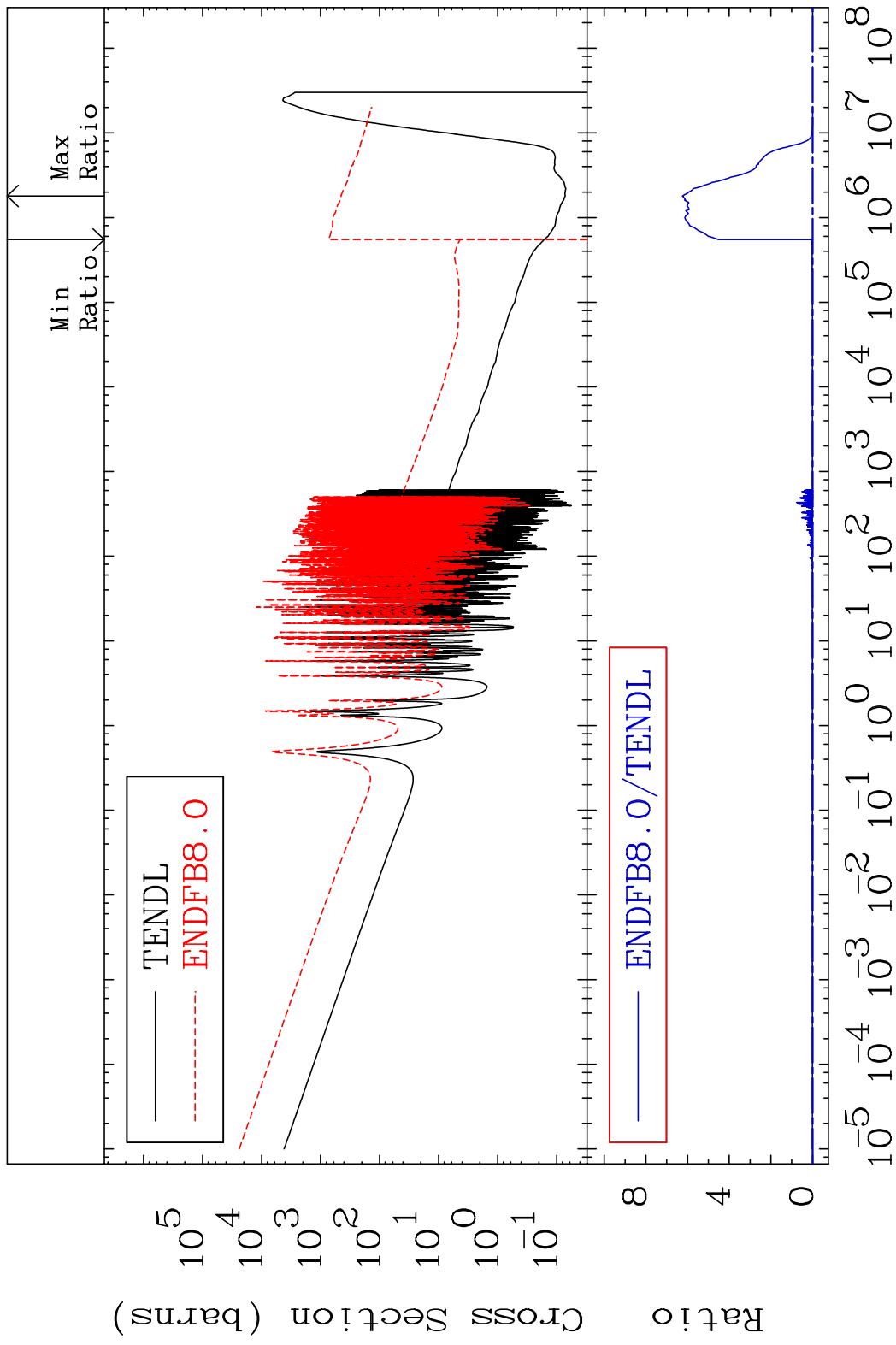
Cross Section -5.449 To 26.23 %



MAT 9346 Dpa inelastic (mt51-91) 93-Np-237
 Cross Section -20.69 To 9999. %



MAT 9346 Dpa disappearance (mt102 -120) 93-Np-237
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 93-Np-237