

Program Complot
(Version 2018-1)

by

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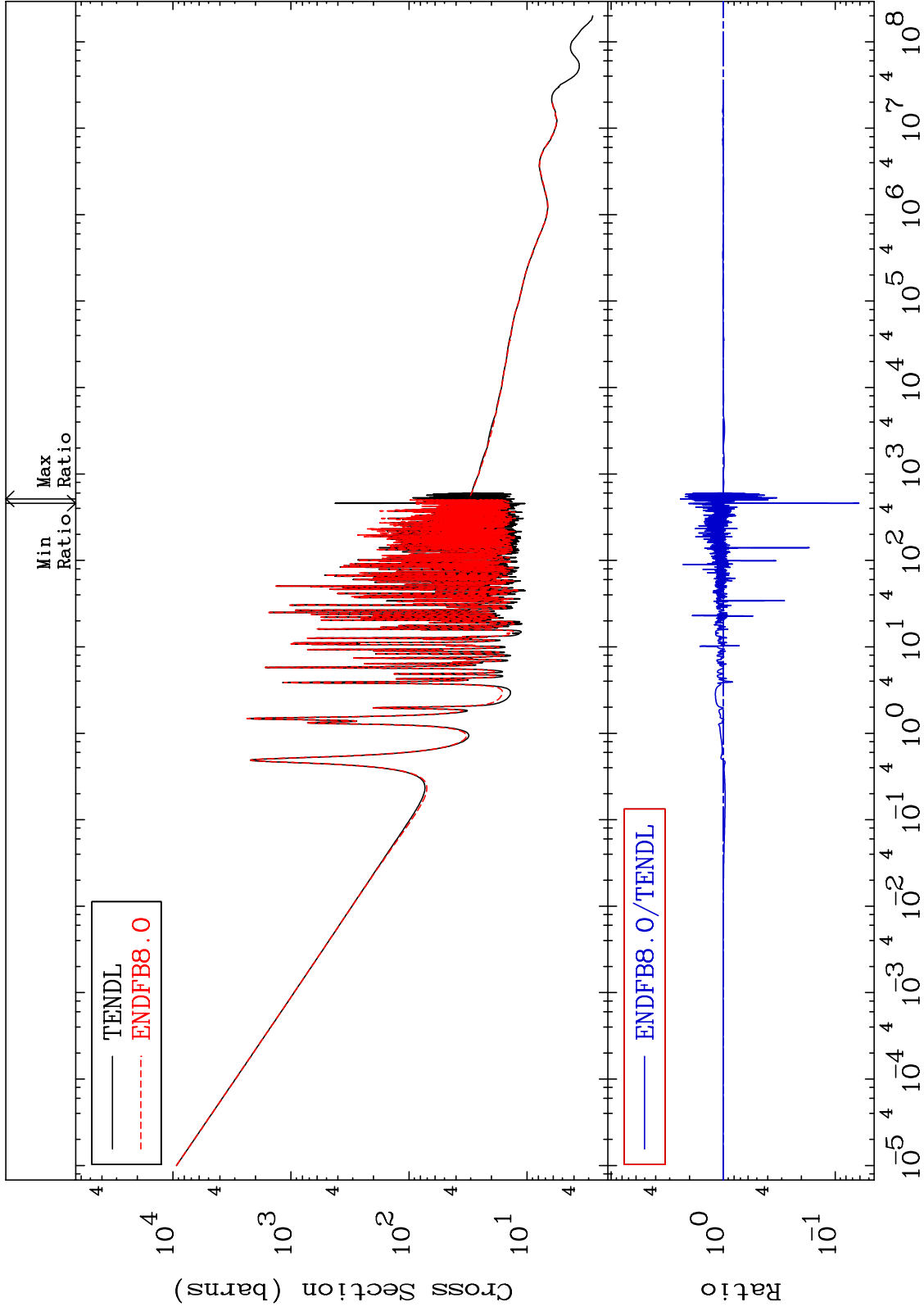
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9346

Total
Cross Section

93-Np-237
-93.86 To 141.7 %



1

Incident Energy (eV)

93-Np-237

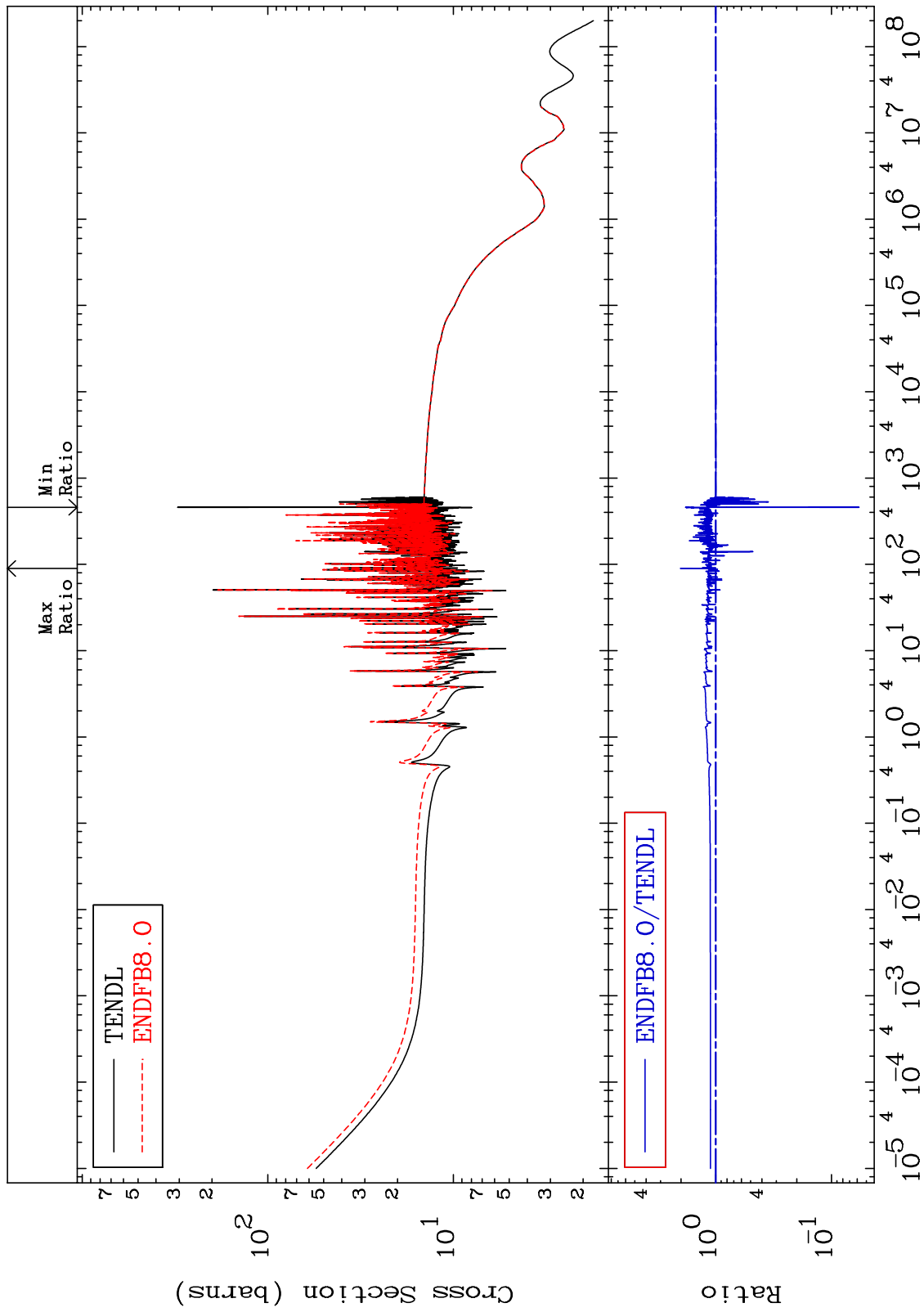
MAT 9346

Elastic

93-Np-237

Cross Section

-94.21 To 101.2 %

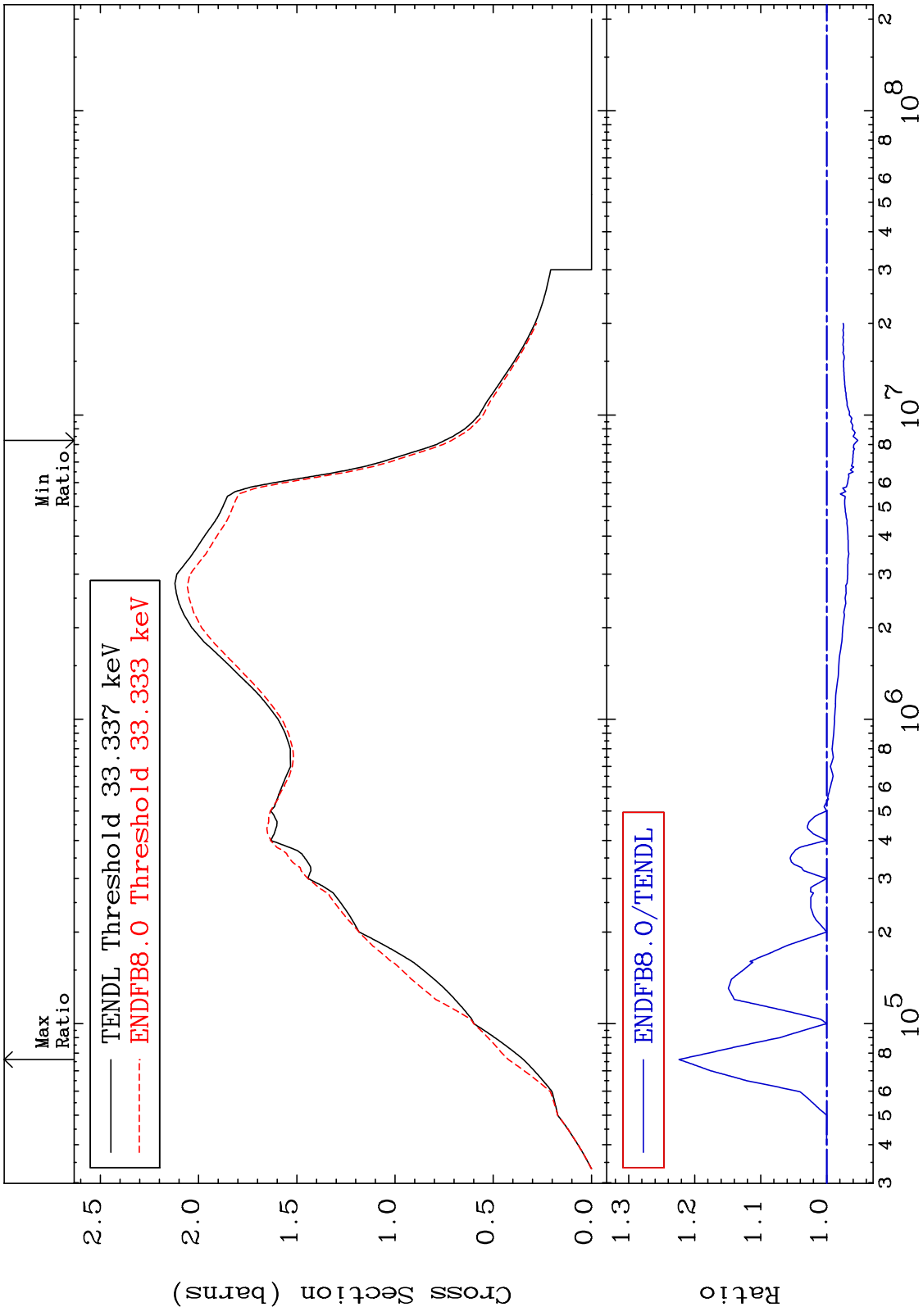


2

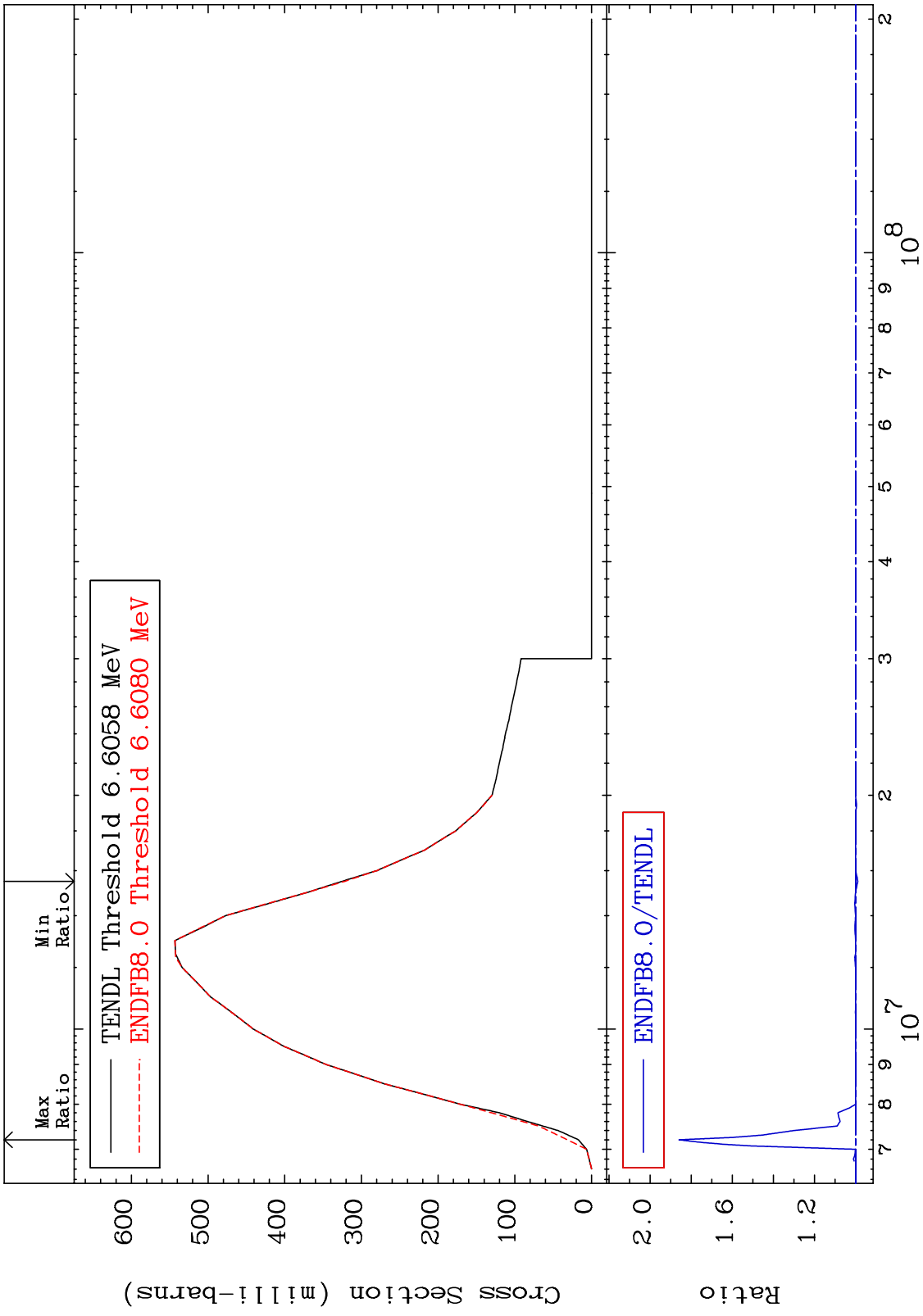
Incident Energy (eV)

93-Np-237

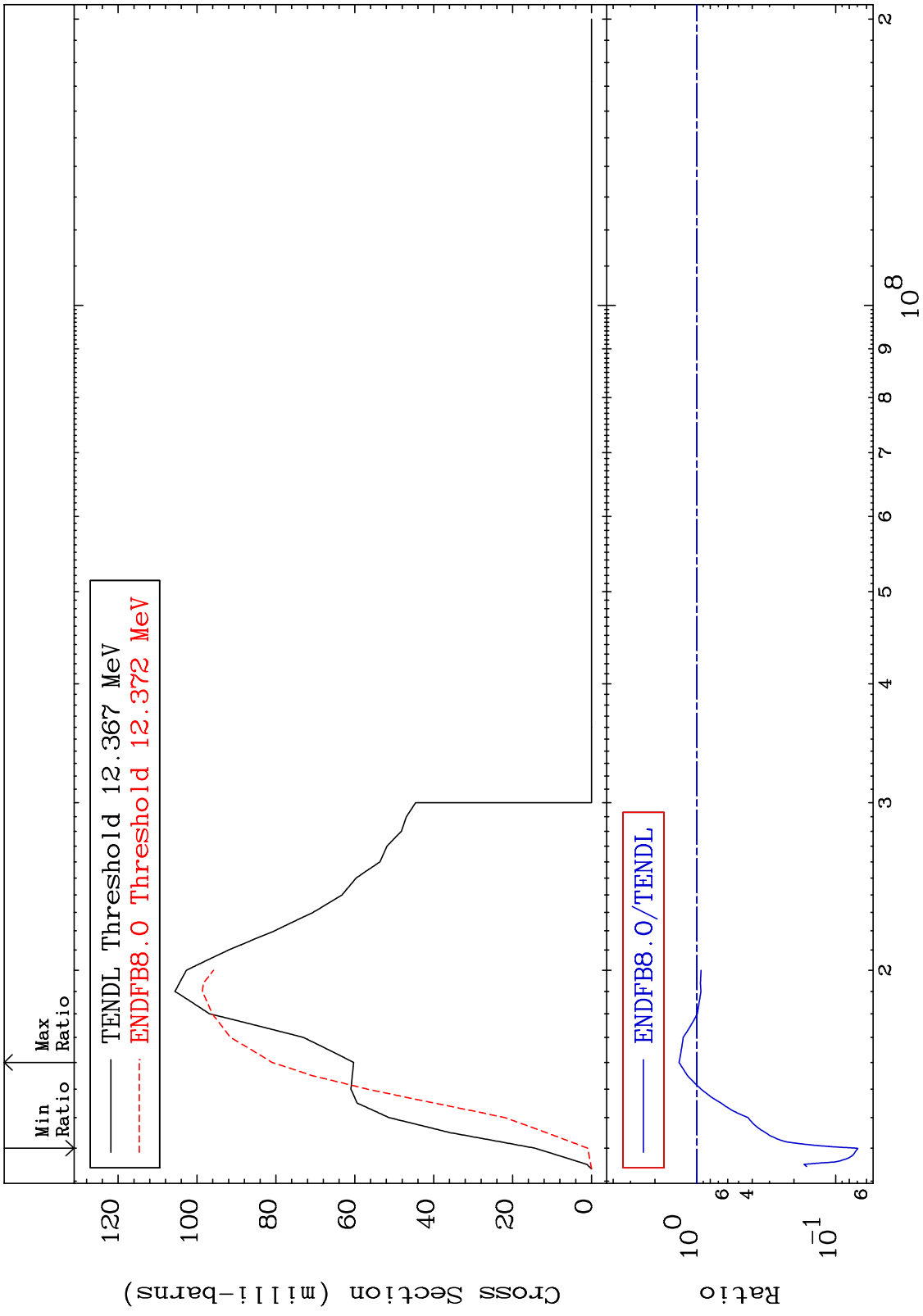
MAT 9346 Inelastic Cross Section 93-Np-237 -4.715 To 22.37 %



MAT 9346 (n,2n) Cross Section 93-Np-237 -1.108 To 85.89 %



MAT 9346 (n,3n) Cross Section 93-Np-237 -93.07 To 34.27 %



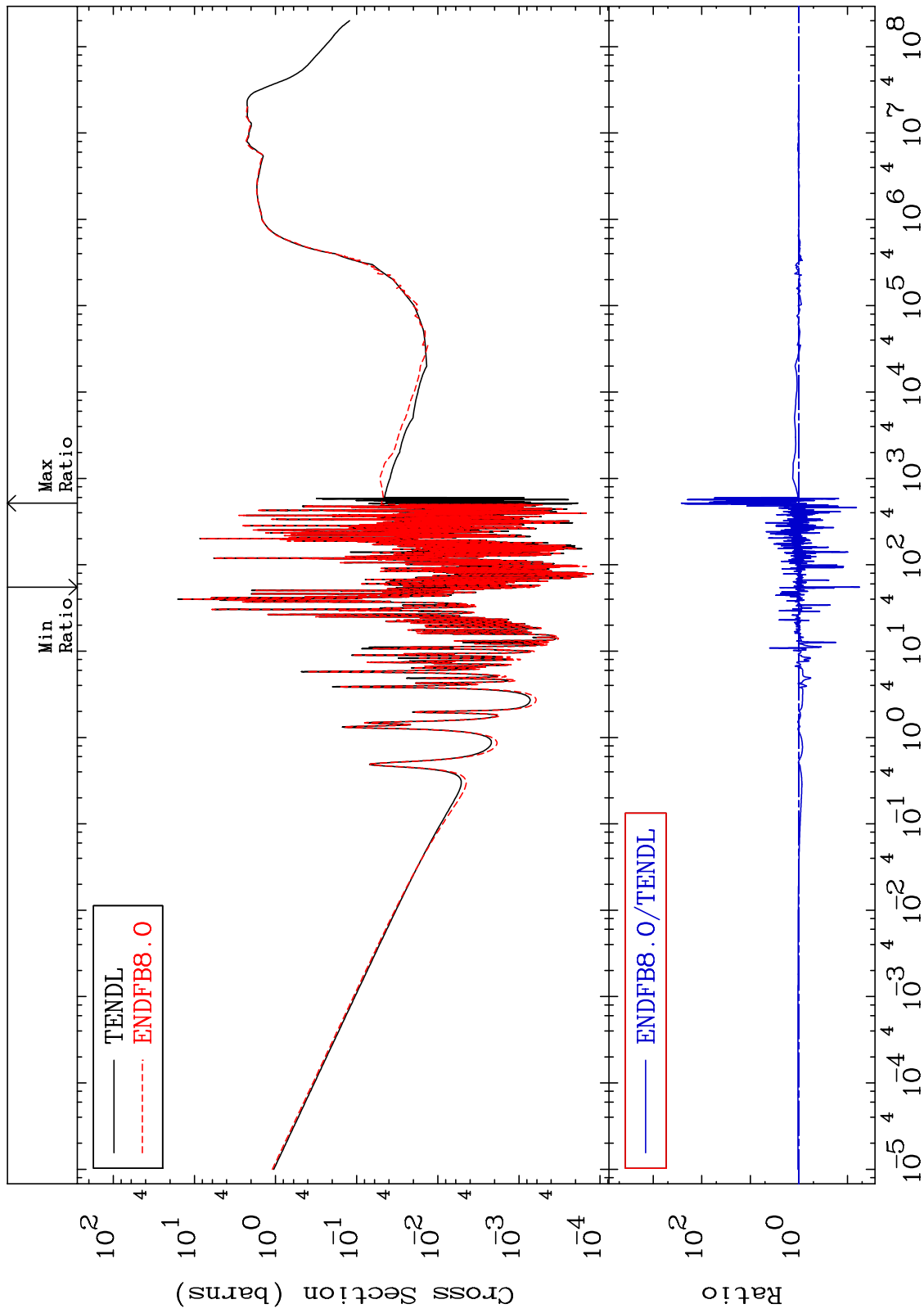
MAT 9346

Fission

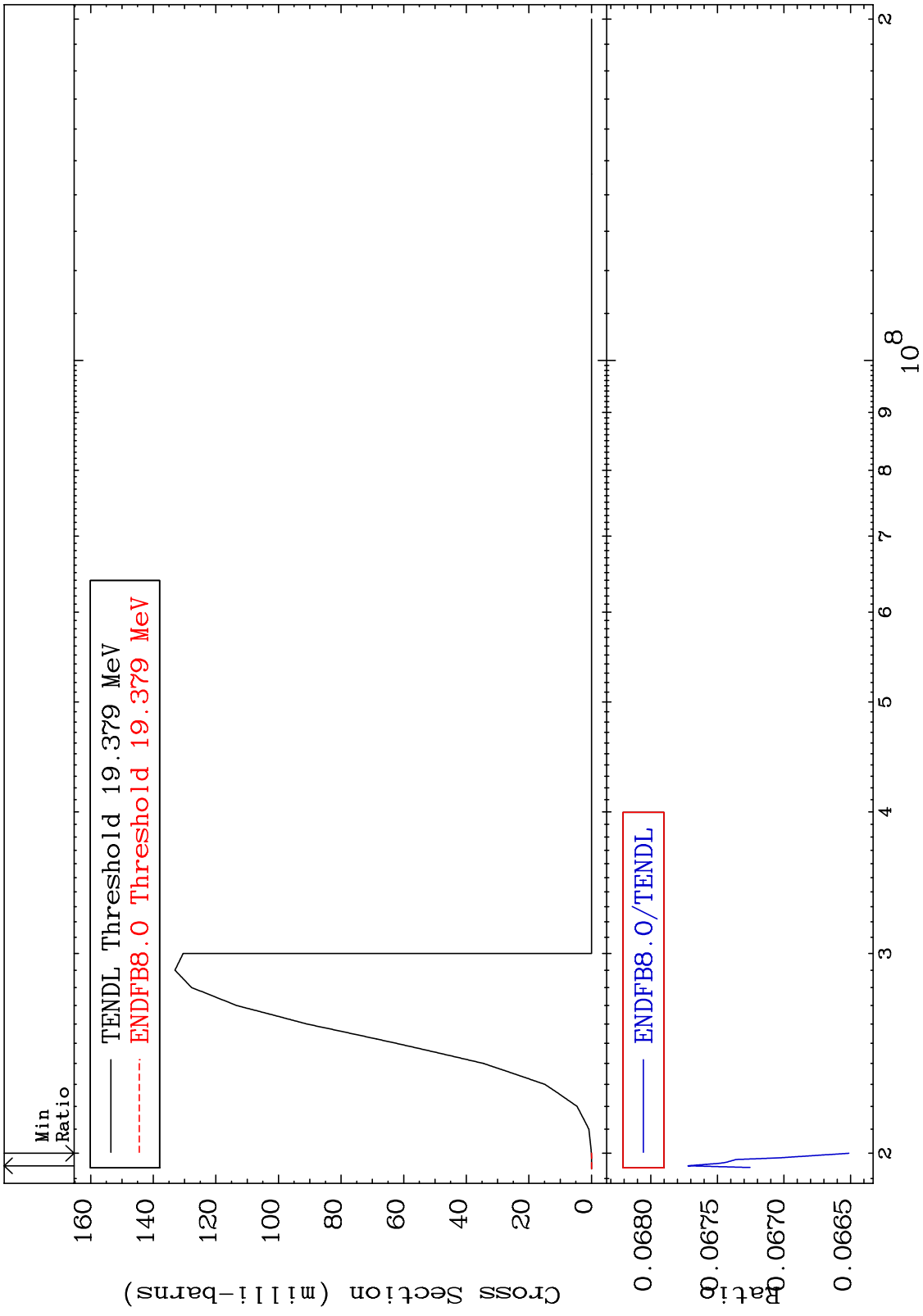
93-Np-237

Cross Section

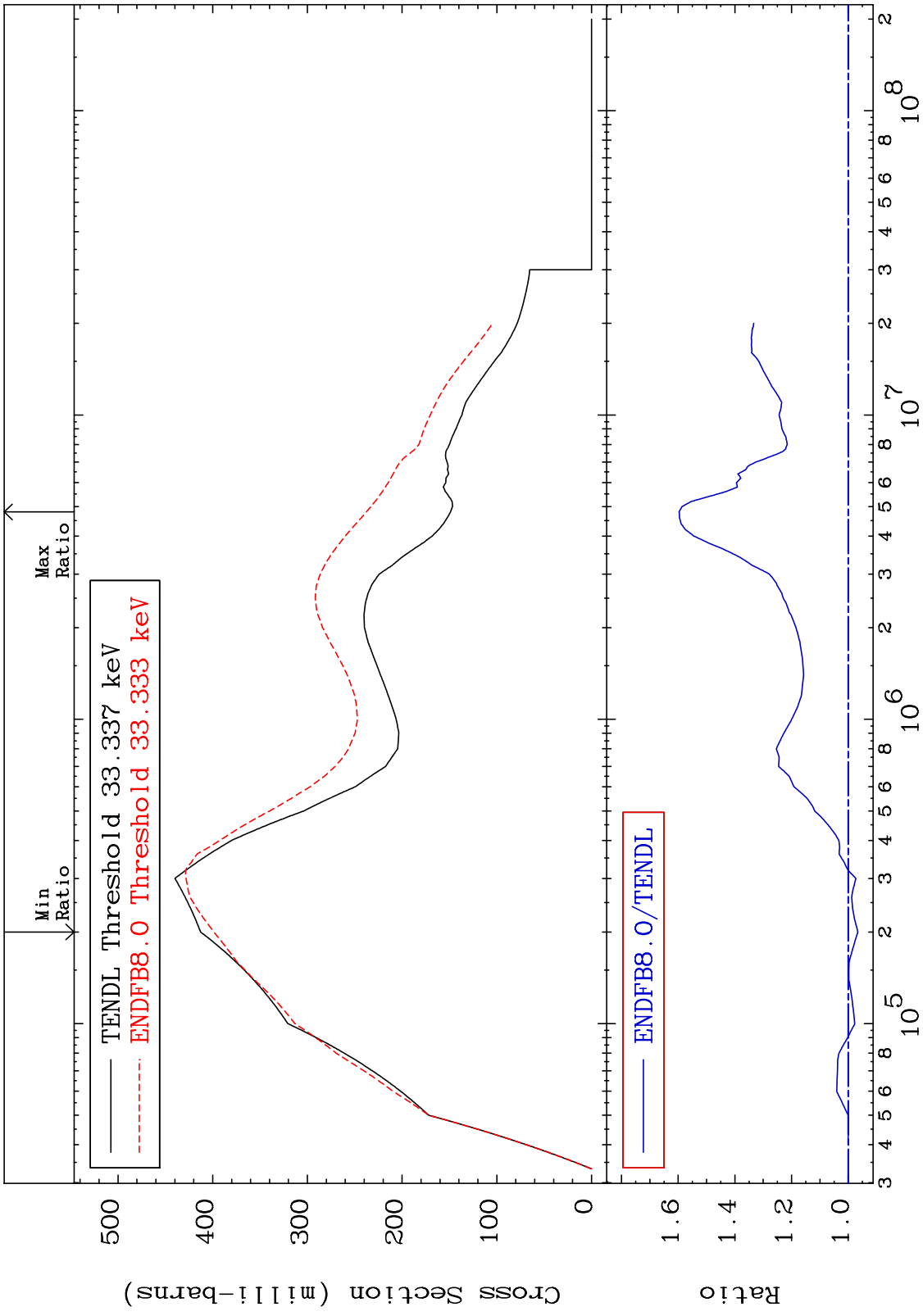
-94.42 To 9999. %



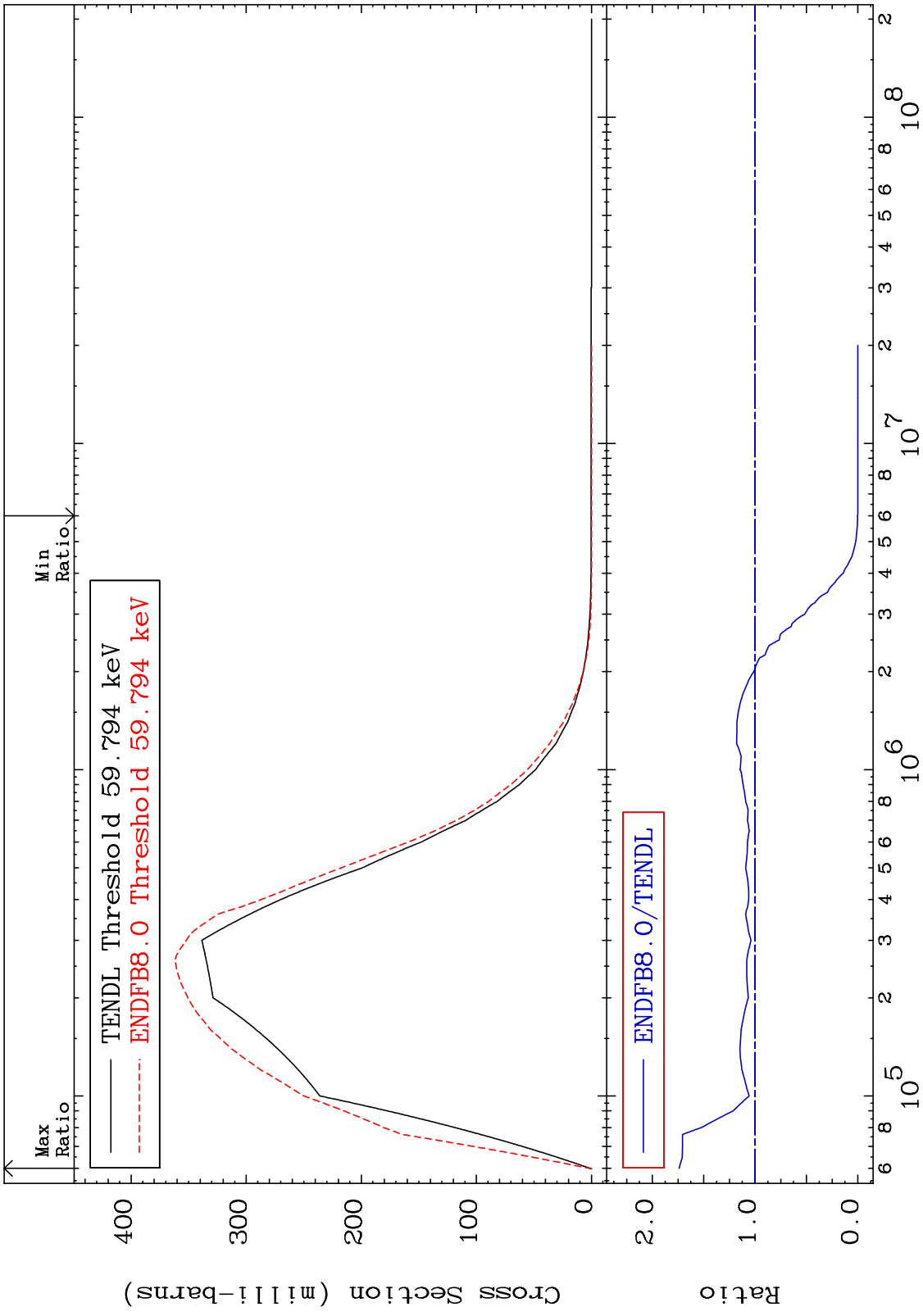
MAT 9346 (n,4n) Cross Section 93-Np-237 -93.35 To -93.23%



MAT 9346 MT= 51 (n,n') Level Cross Section 93-Np-237
 -3.383 To 59.70 %

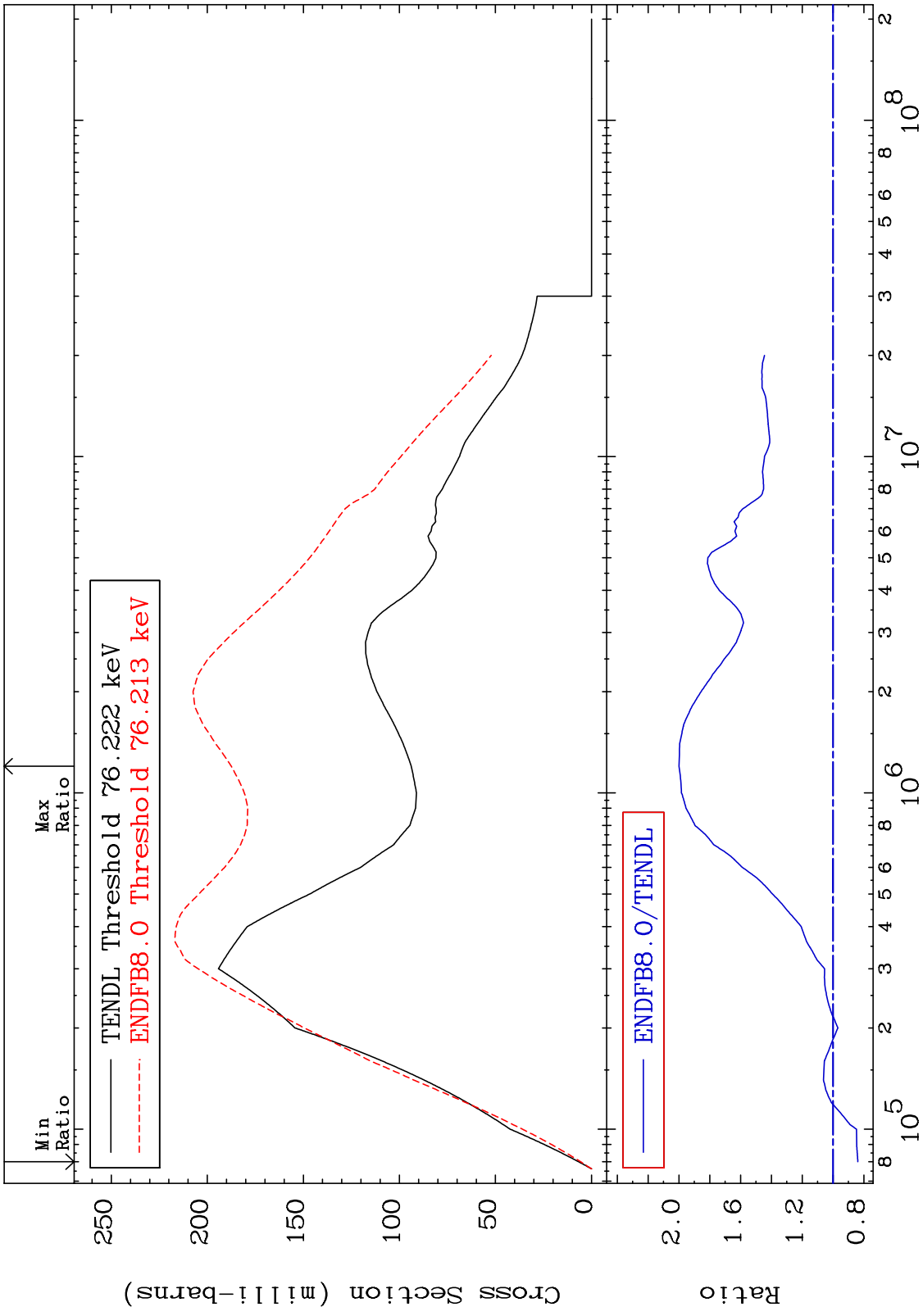


MAT 9346 MT= 52 (n,n') Level Cross Section 93-Np-237
 -100.0 To 74.03 %



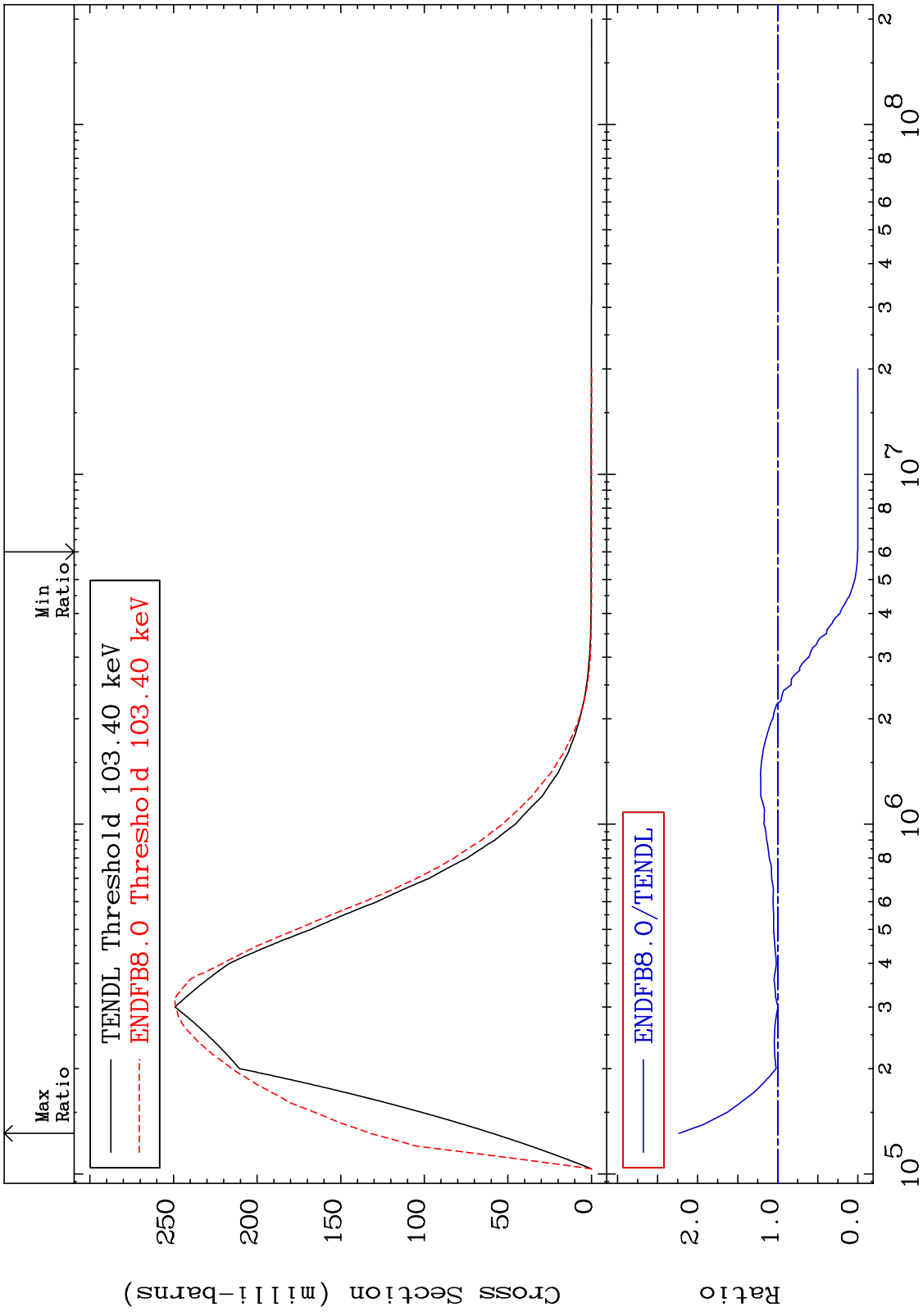
9 93-Np-237

MAT 9346 MT= 53 (n,n') Level Cross Section 93-Np-237
 -16.07 To 99.90 %

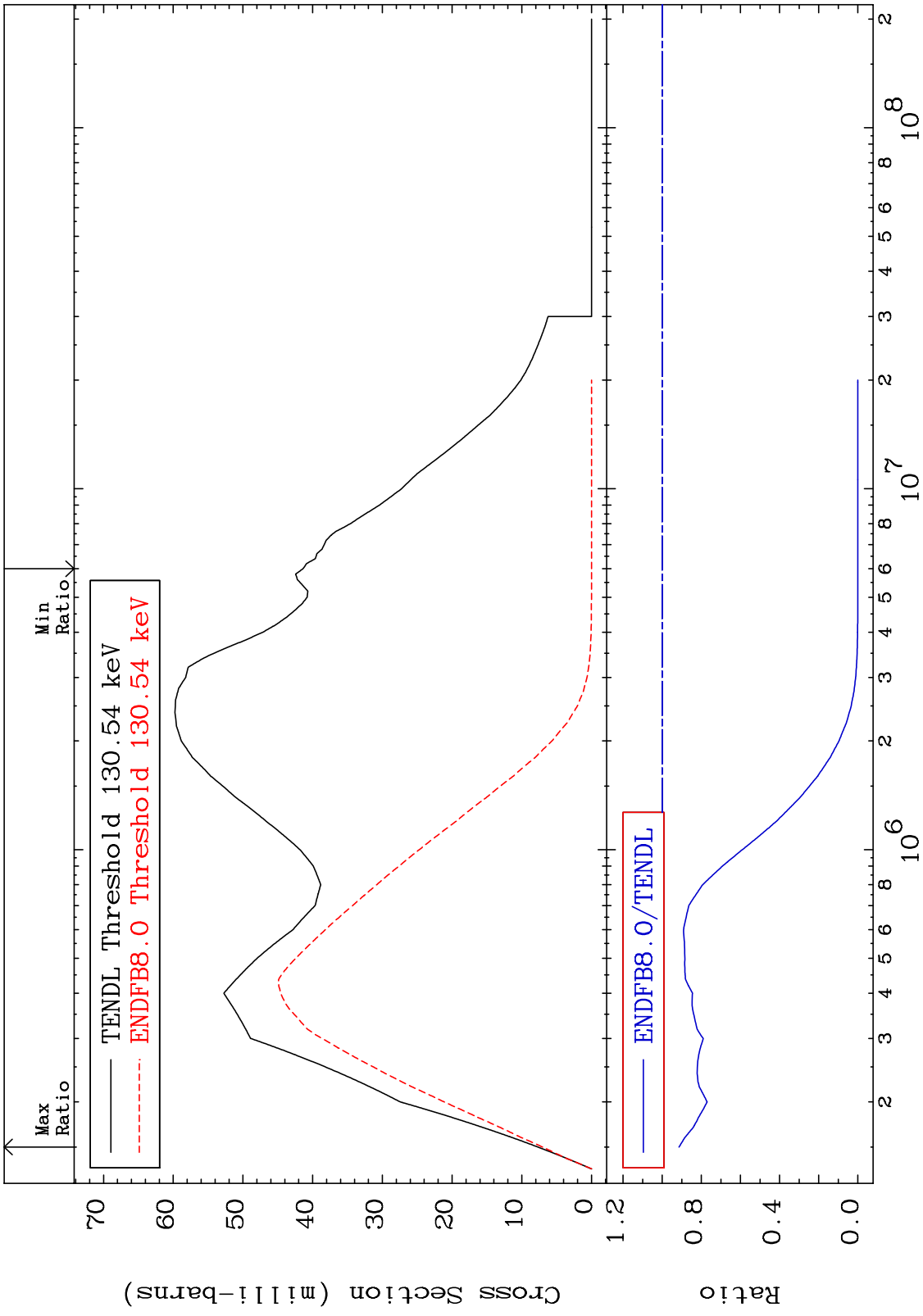


10 Incident Energy (eV) 93-Np-237

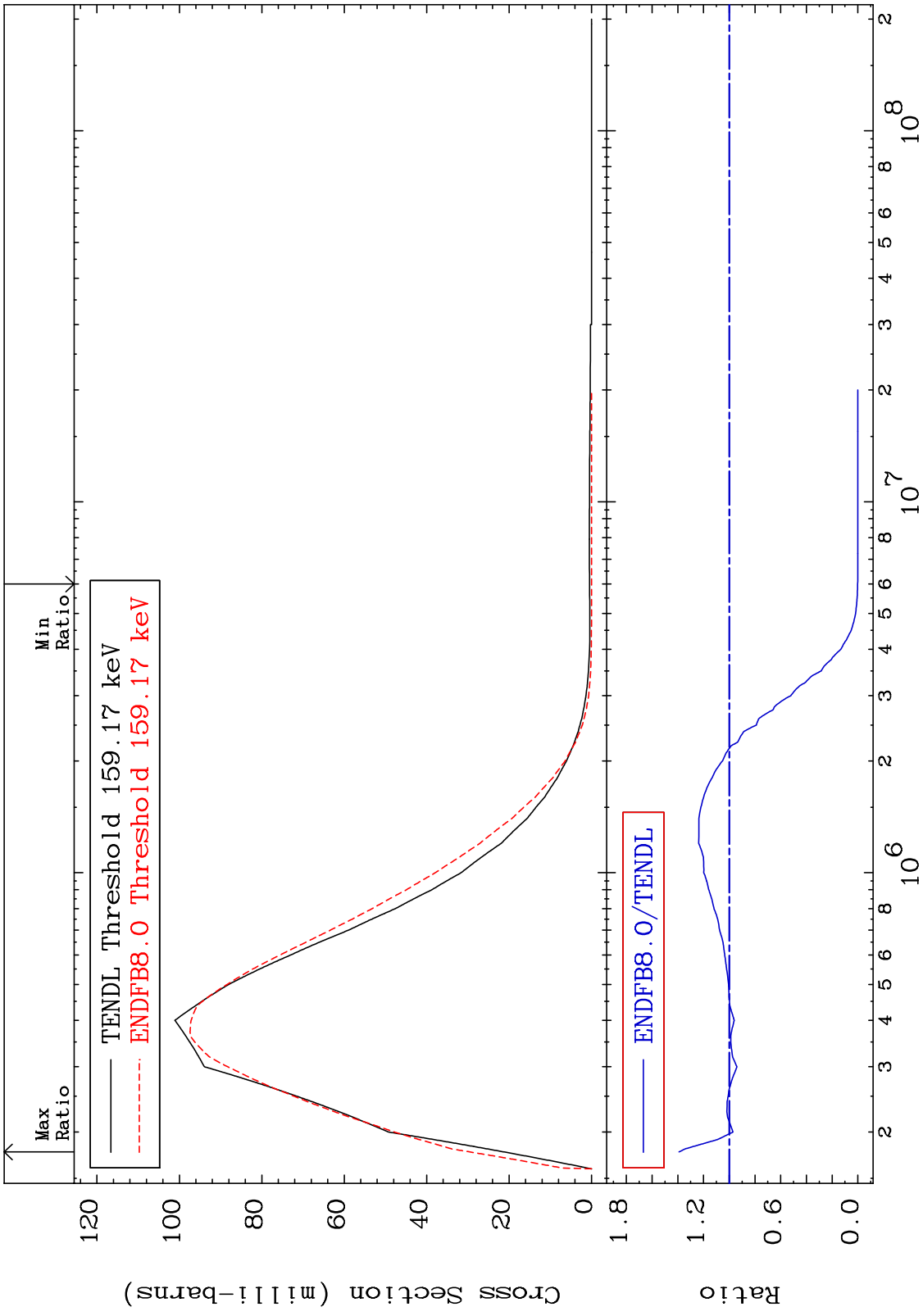
MAT 9346 MT= 54 (n,n') Level Cross Section 93-Np-237
 -100.0 To 123.2 %



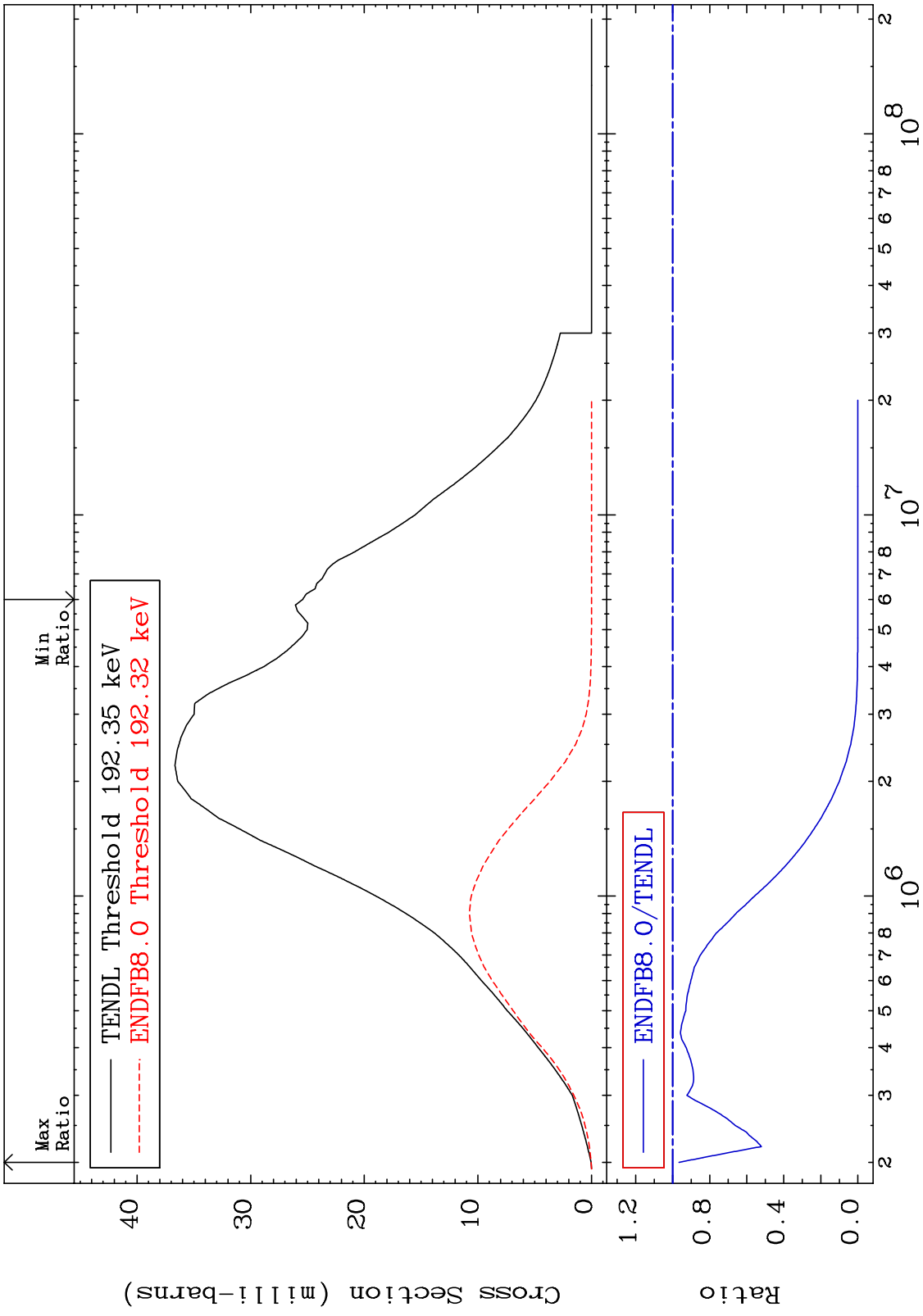
MAT 9346 MT= 55 (n,n') Level Cross Section -100.0 To -8.600% 93-Np-237



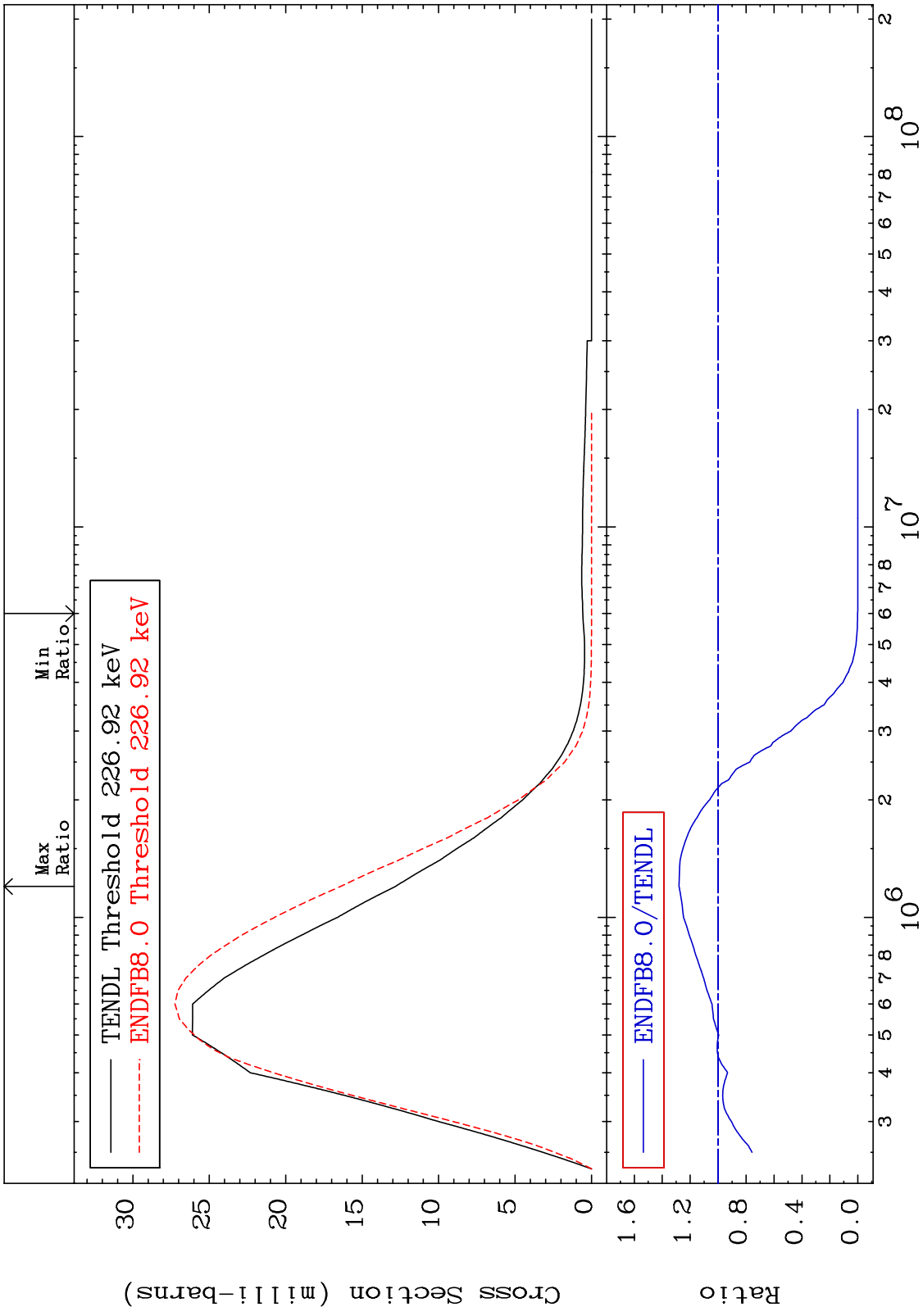
MAT 9346 MT= 56 (n,n') Level Cross Section -100.0 To 39.02 % 93-Np-237



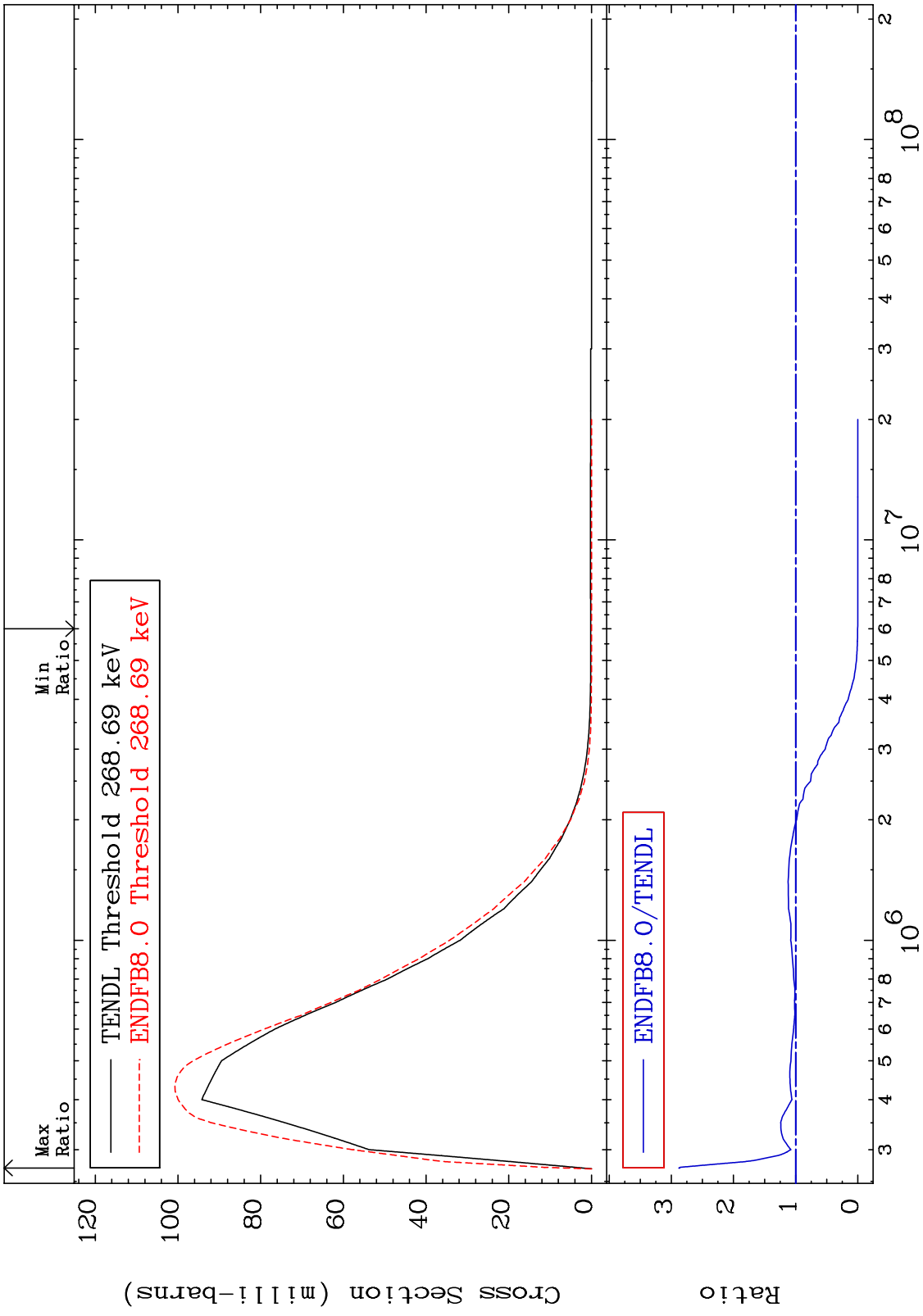
MAT 9346 MT= 57 (n,n') Level Cross Section 93-Np-237 -100.0 To -3.430%



MAT 9346 MT= 58 (n,n') Level Cross Section -100.0 To 27.97 % 93-Np-237



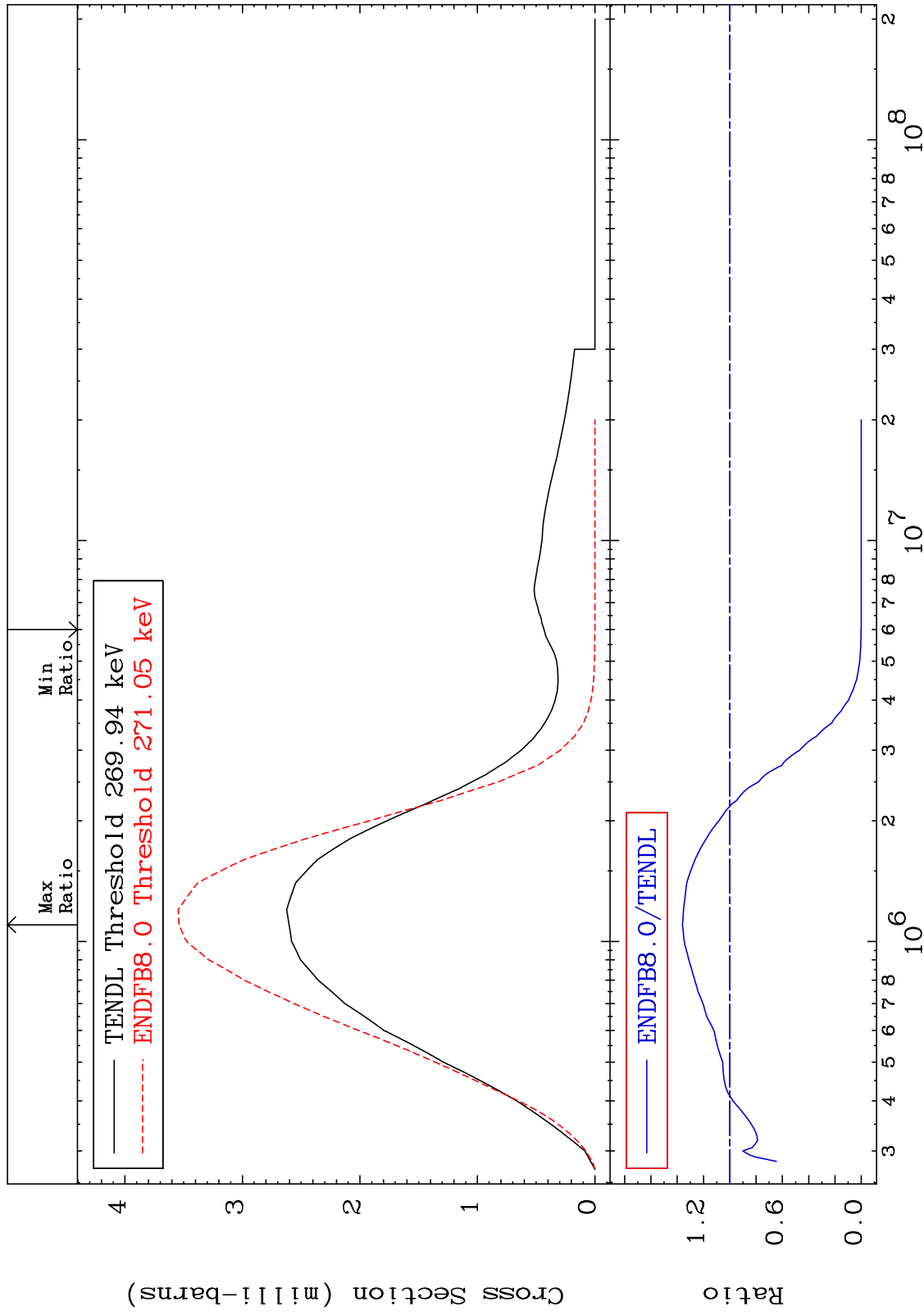
MAT 9346 MT= 59 (n,n') Level Cross Section -100.0 To 187.6 % 93-Np-237



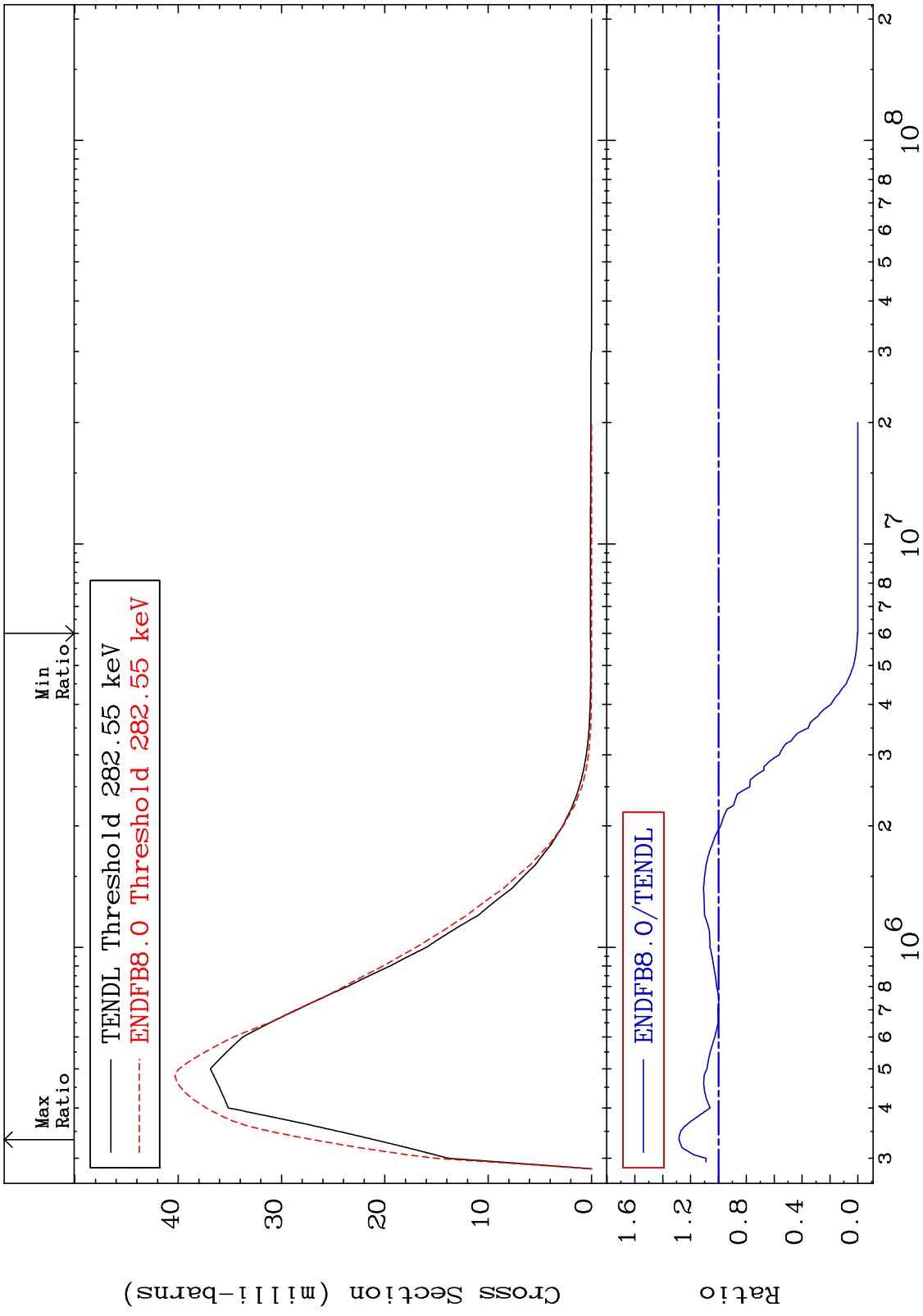
MAT 9346

MT= 60 (n,n') Level
Cross Section

93-Np-237
-100.0 To 36.01 %



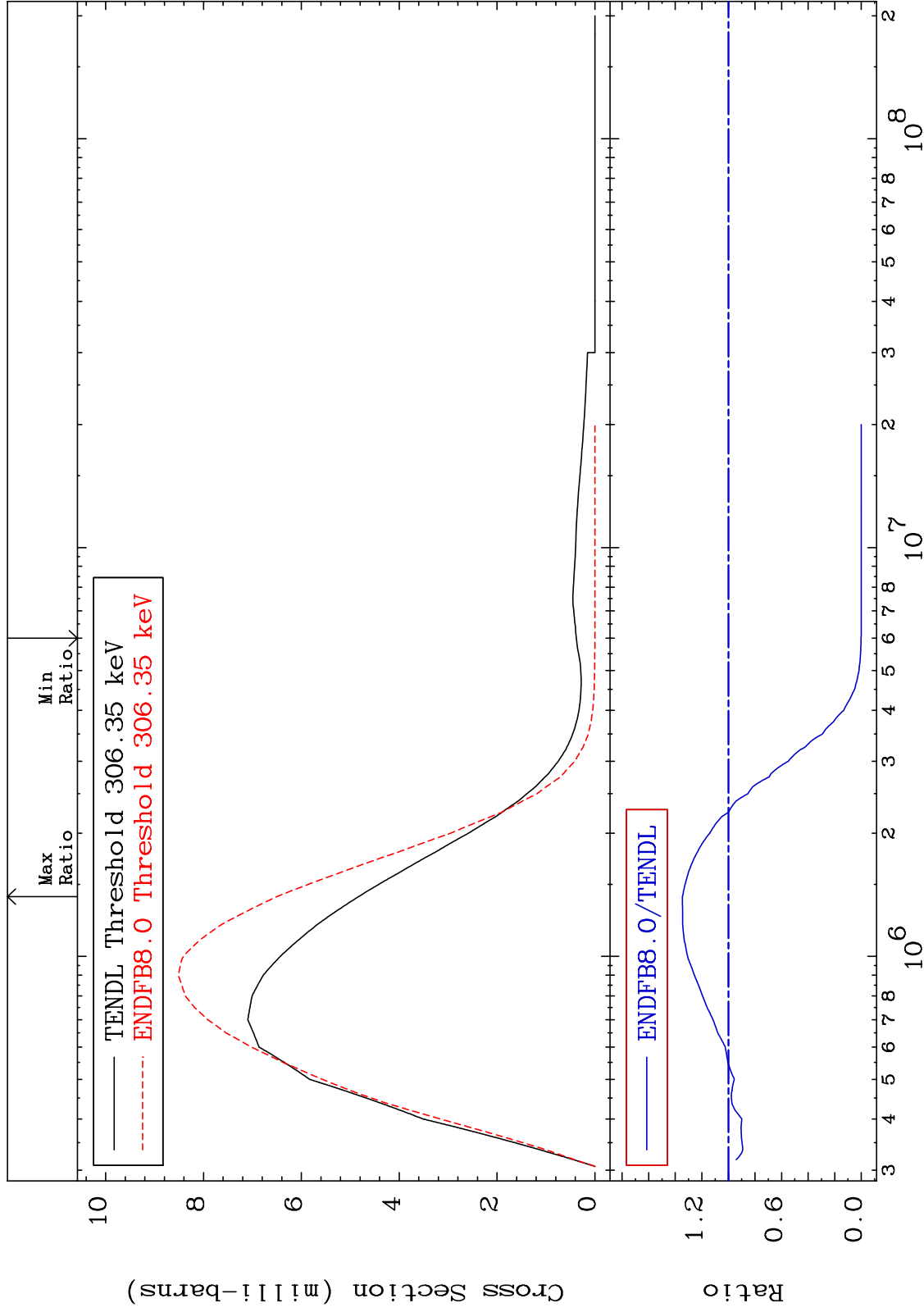
MAT 9346 MT= 61 (n,n') Level Cross Section -100.0 To 28.29 % 93-Np-237



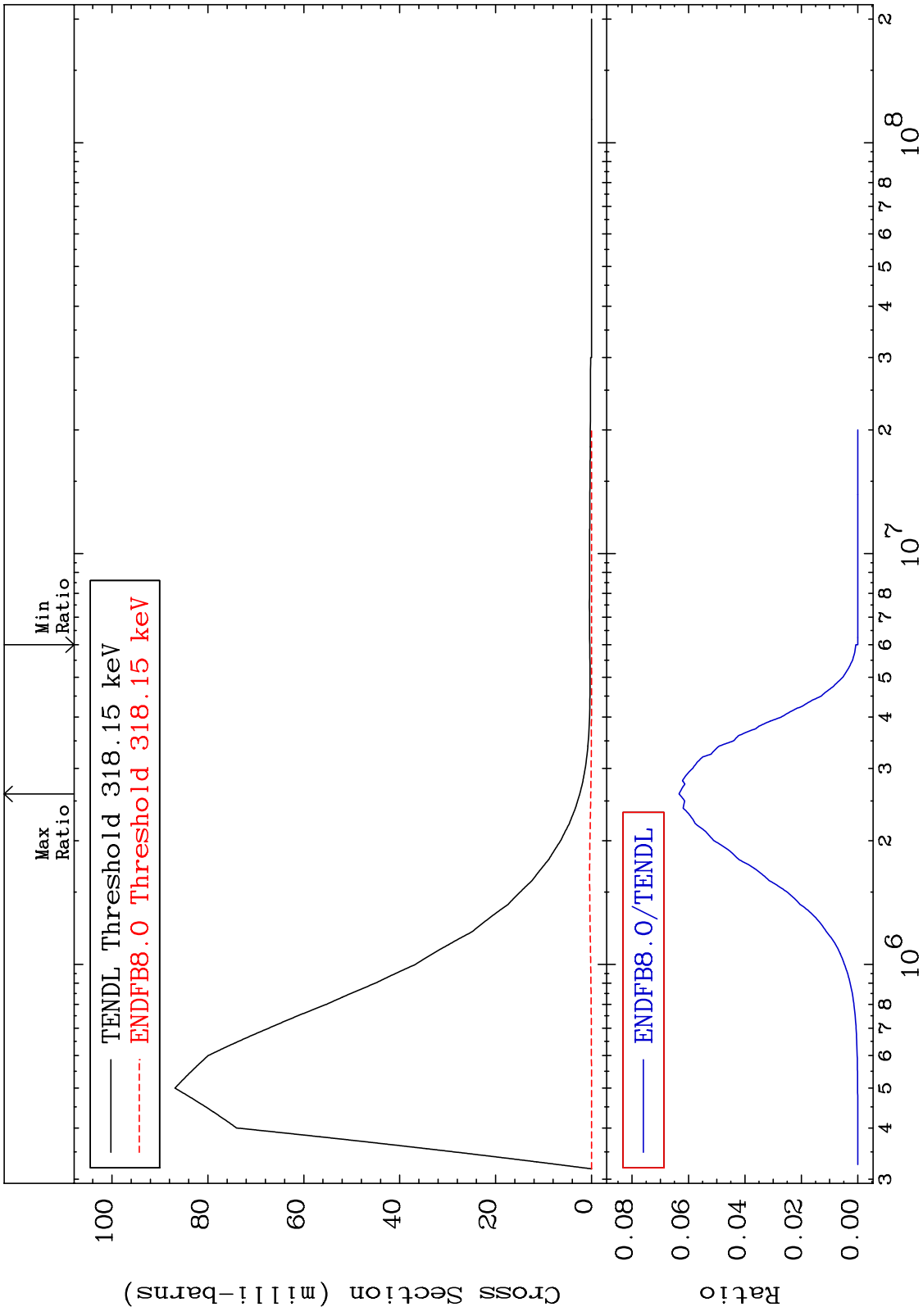
MAT 9346

MT= 62 (n,n') Level
Cross Section

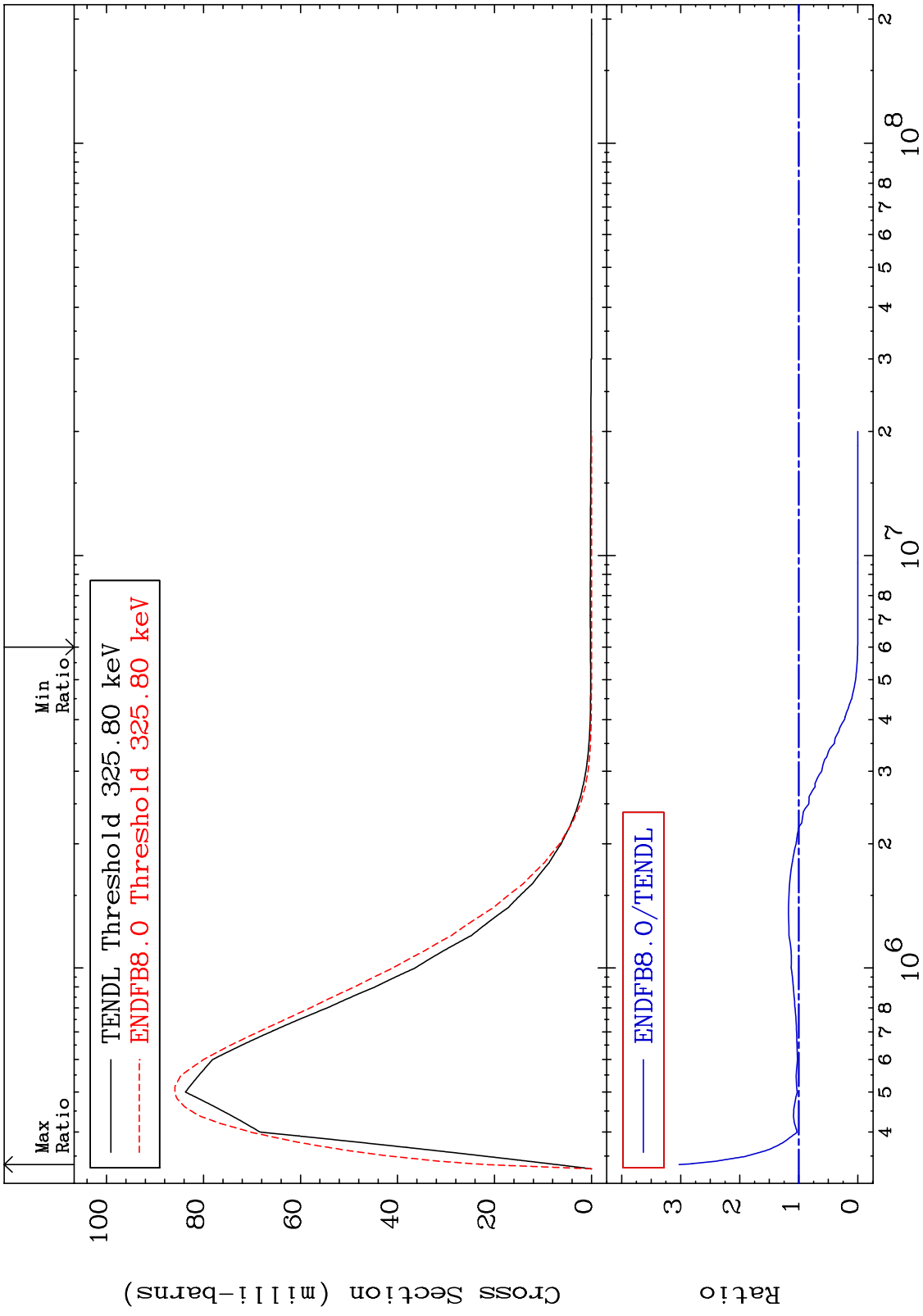
93-Np-237
-100.0 To 34.59 %



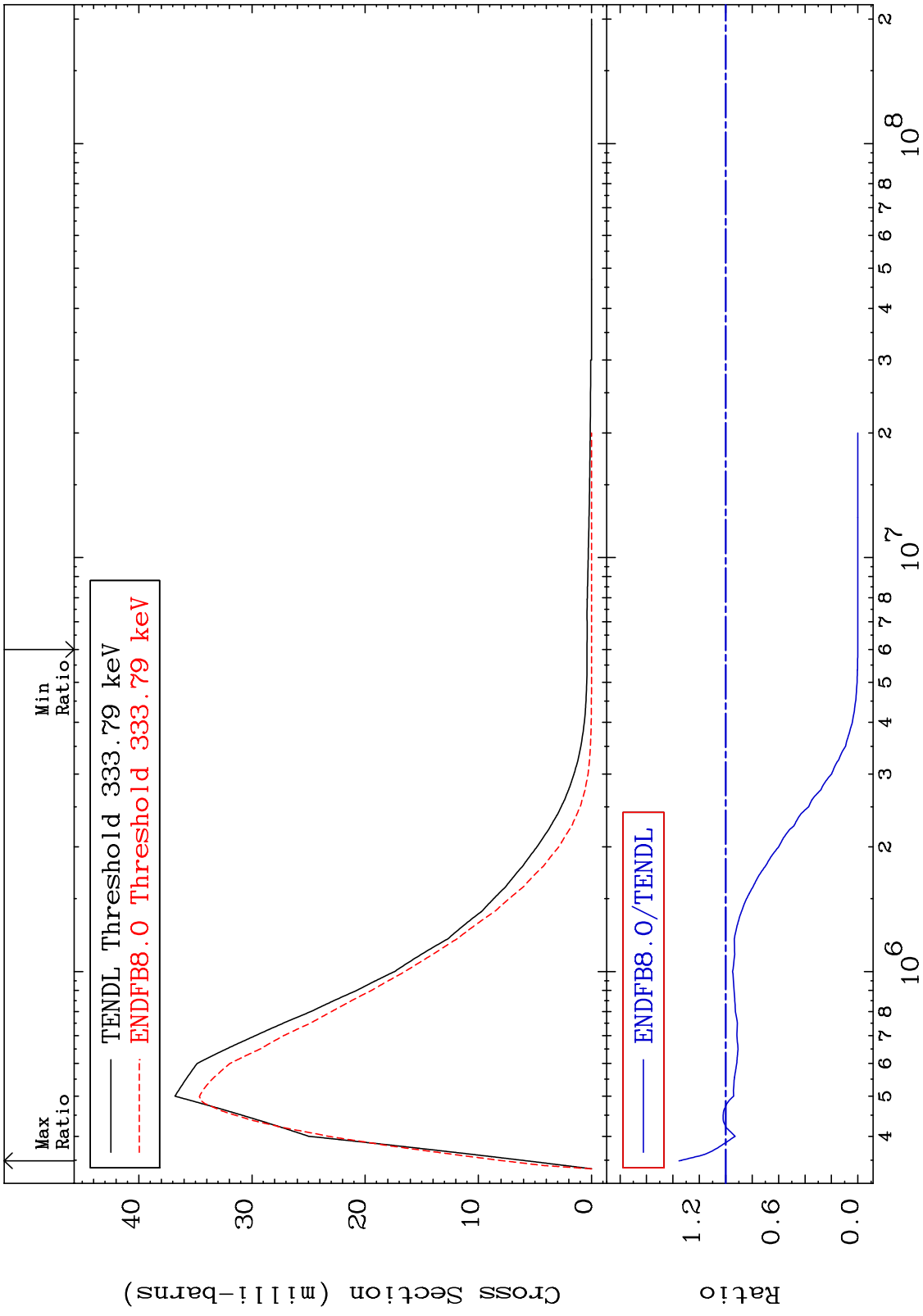
MAT 9346 MT= 63 (n,n') Level Cross Section -100.0 To -93.66% 93-Np-237



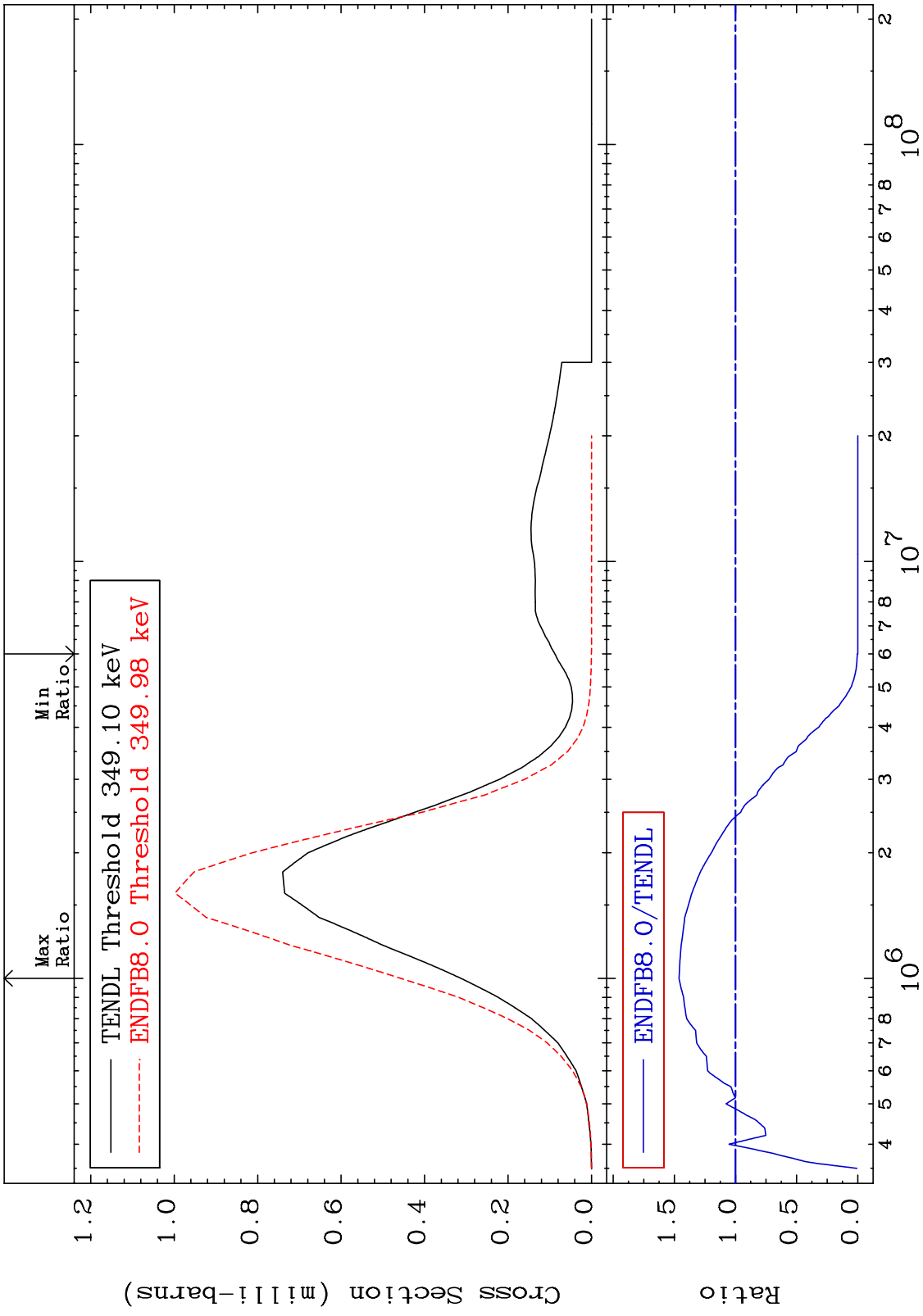
MAT 9346 MT= 64 (n,n') Level Cross Section -100.0 To 202.9 % 93-Np-237



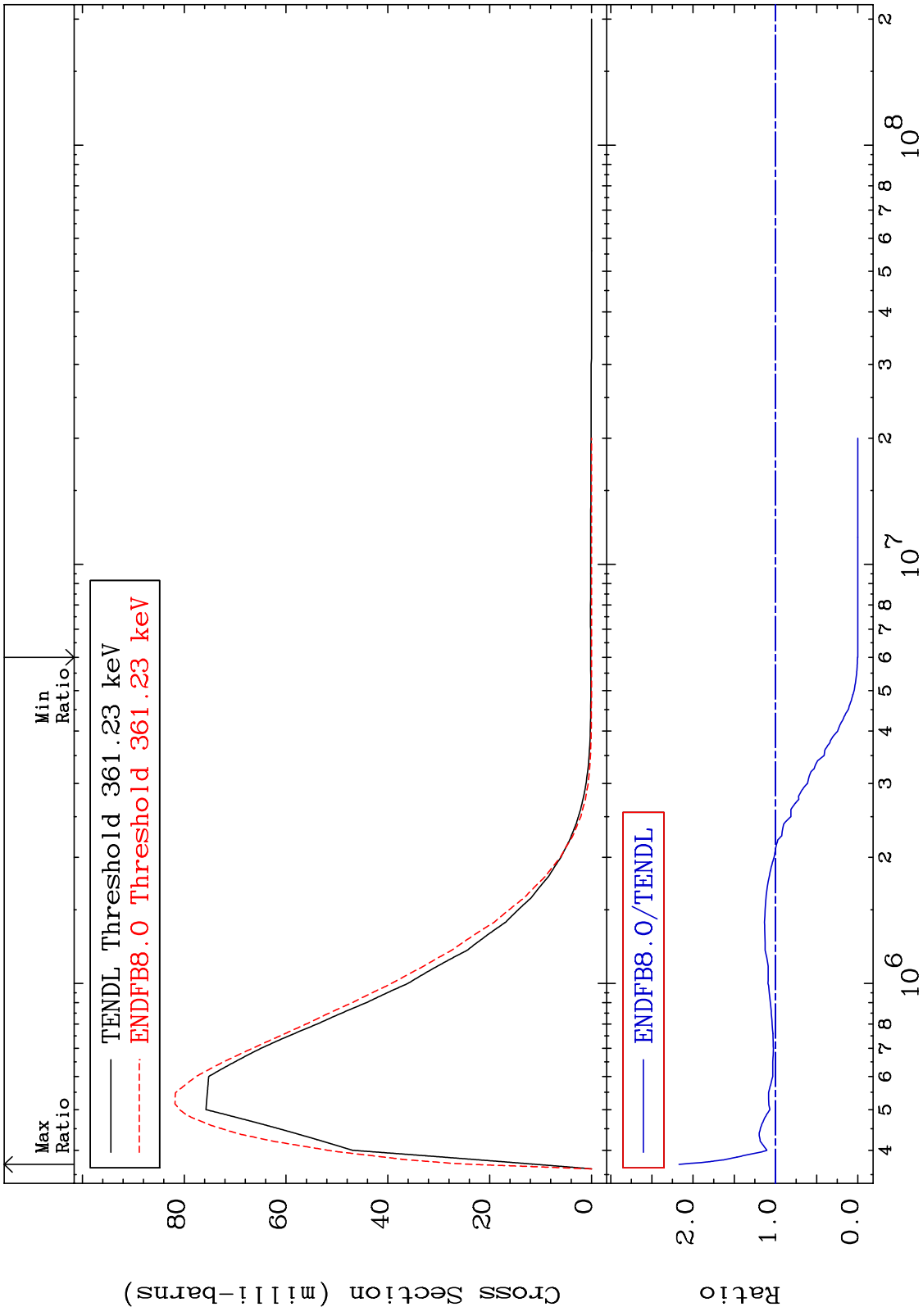
MAT 9346 MT= 65 (n,n') Level Cross Section -100.0 To 35.35 % 93-Np-237



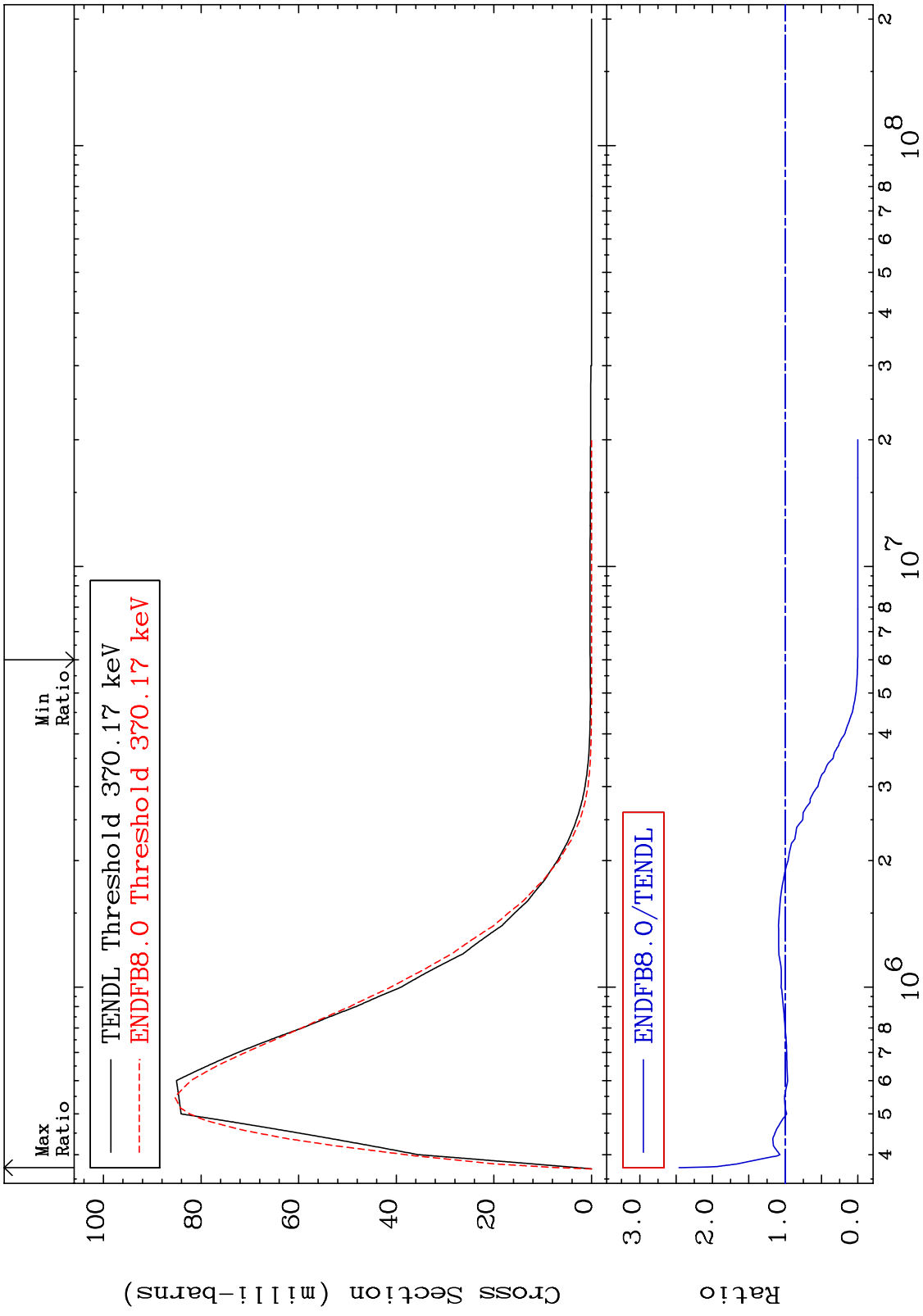
MAT 9346 MT= 66 (n,n') Level Cross Section 93-Np-237
 -100.0 To 46.13 %



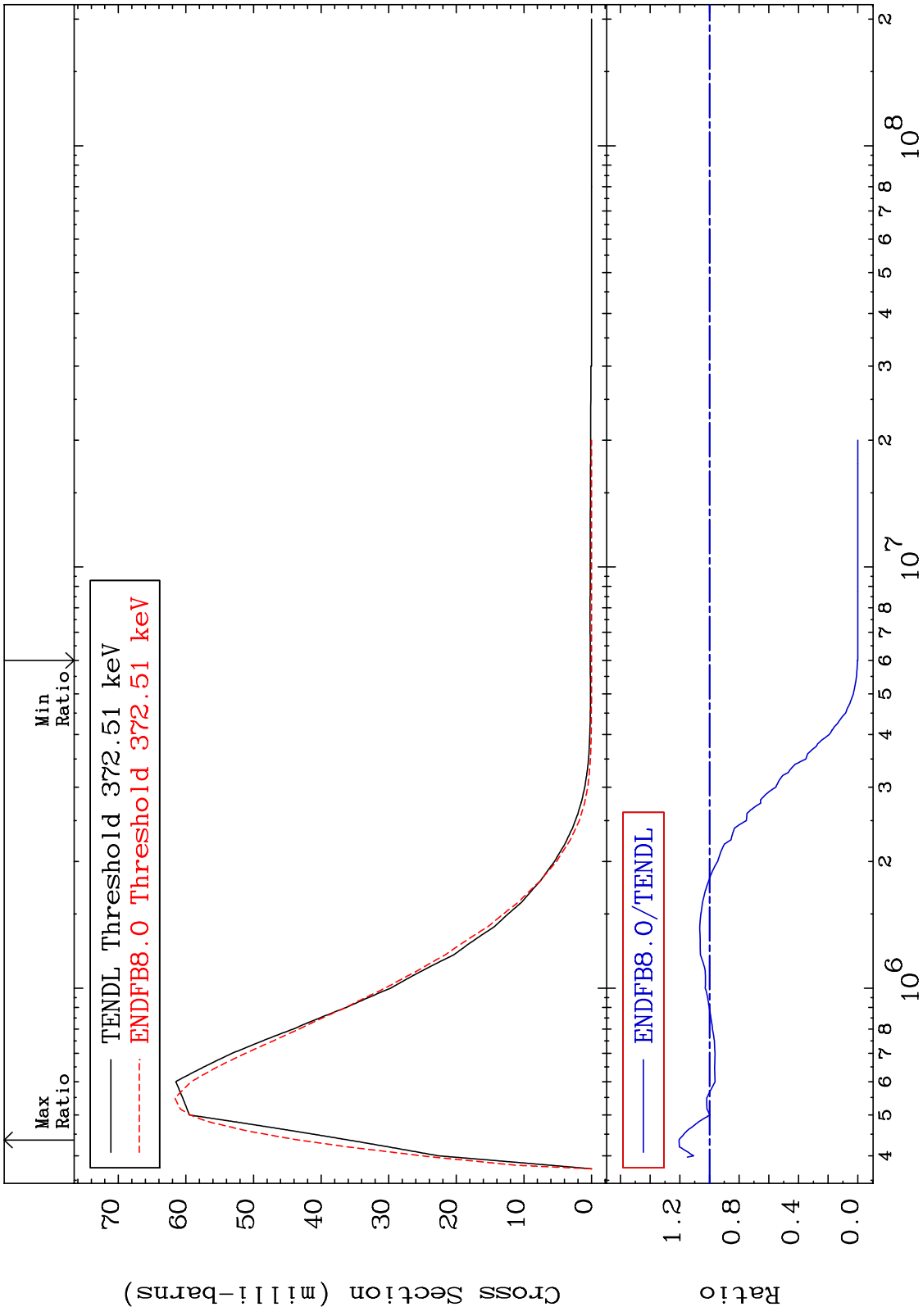
MAT 9346 MT= 67 (n,n') Level Cross Section 93-Np-237
 -100.0 To 117.0 %



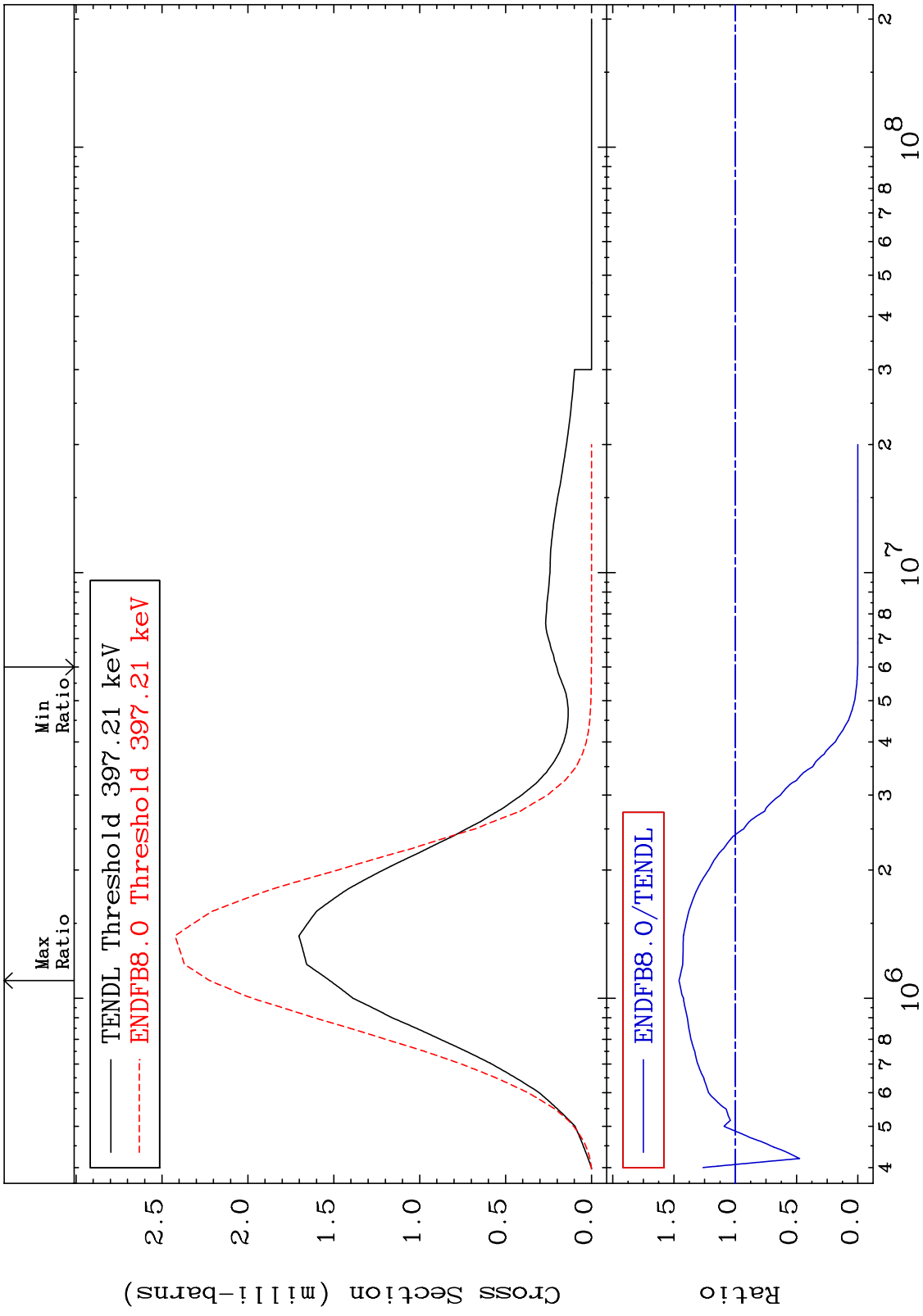
MAT 9346 MT= 68 (n,n') Level Cross Section -100.0 To 145.9 % 93-Np-237



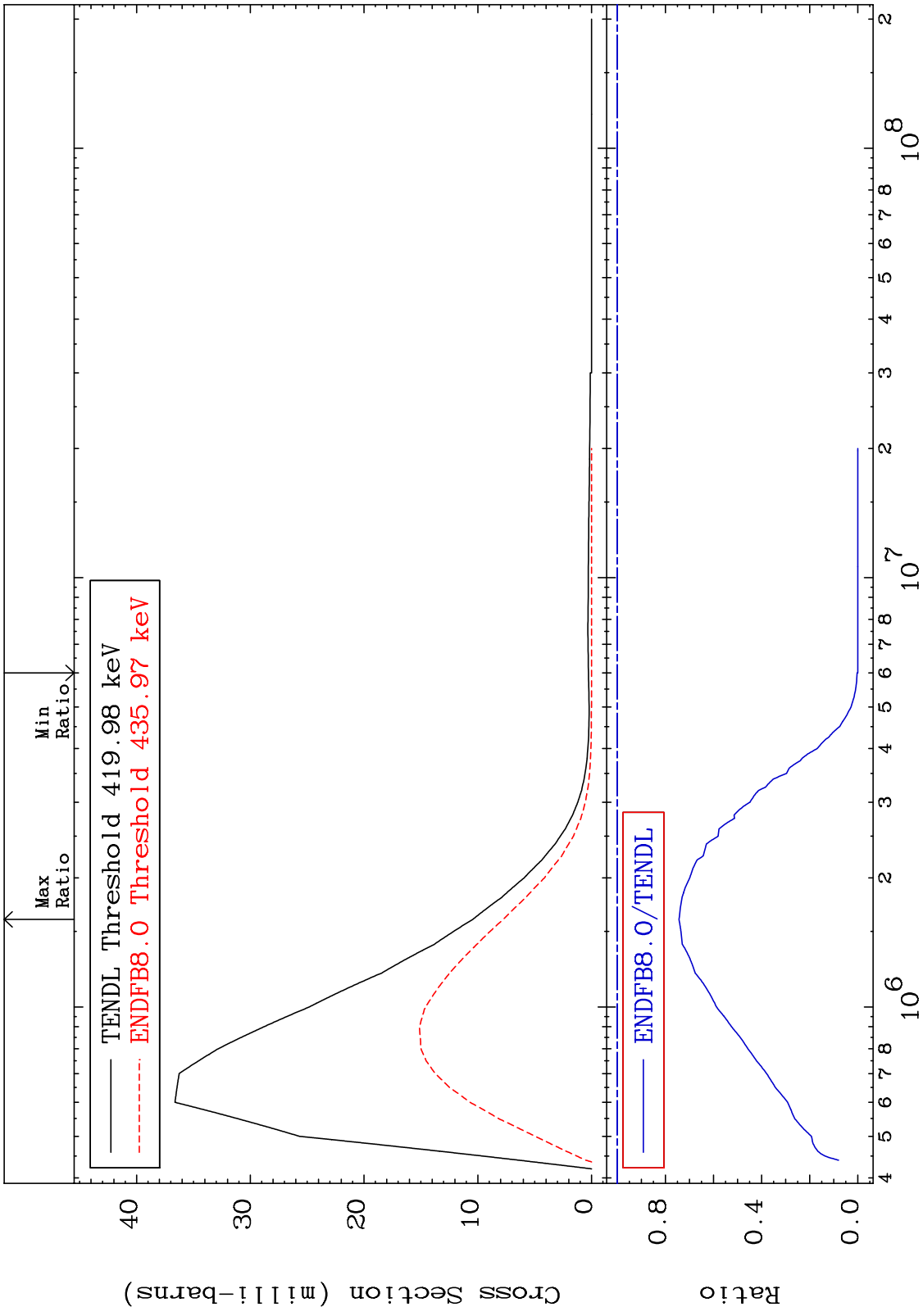
MAT 9346 MT= 69 (n,n') Level Cross Section -100.0 To 20.53 % 93-Np-237



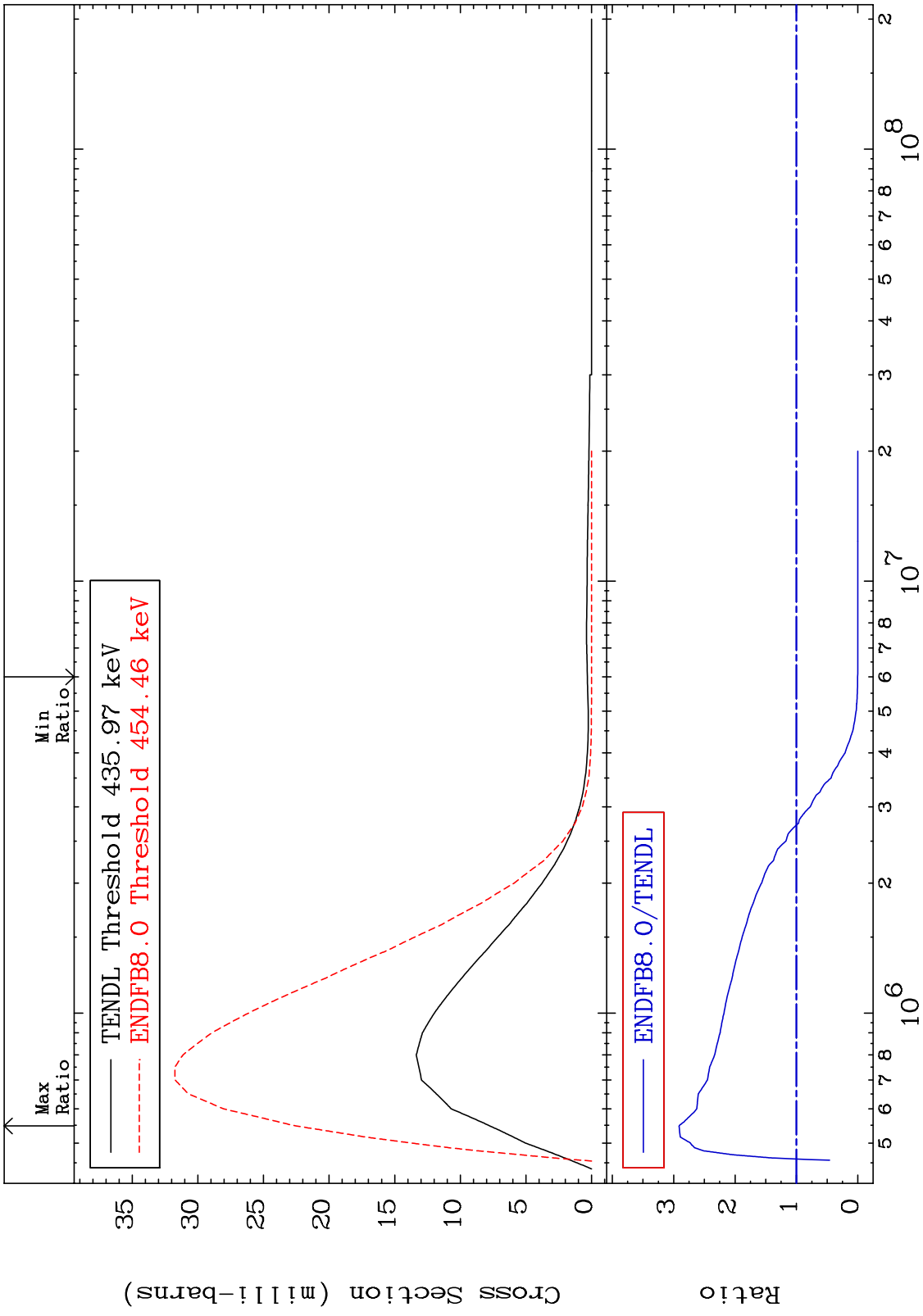
MAT 9346 MT= 70 (n,n') Level Cross Section -100.0 To 45.90 % 93-Np-237



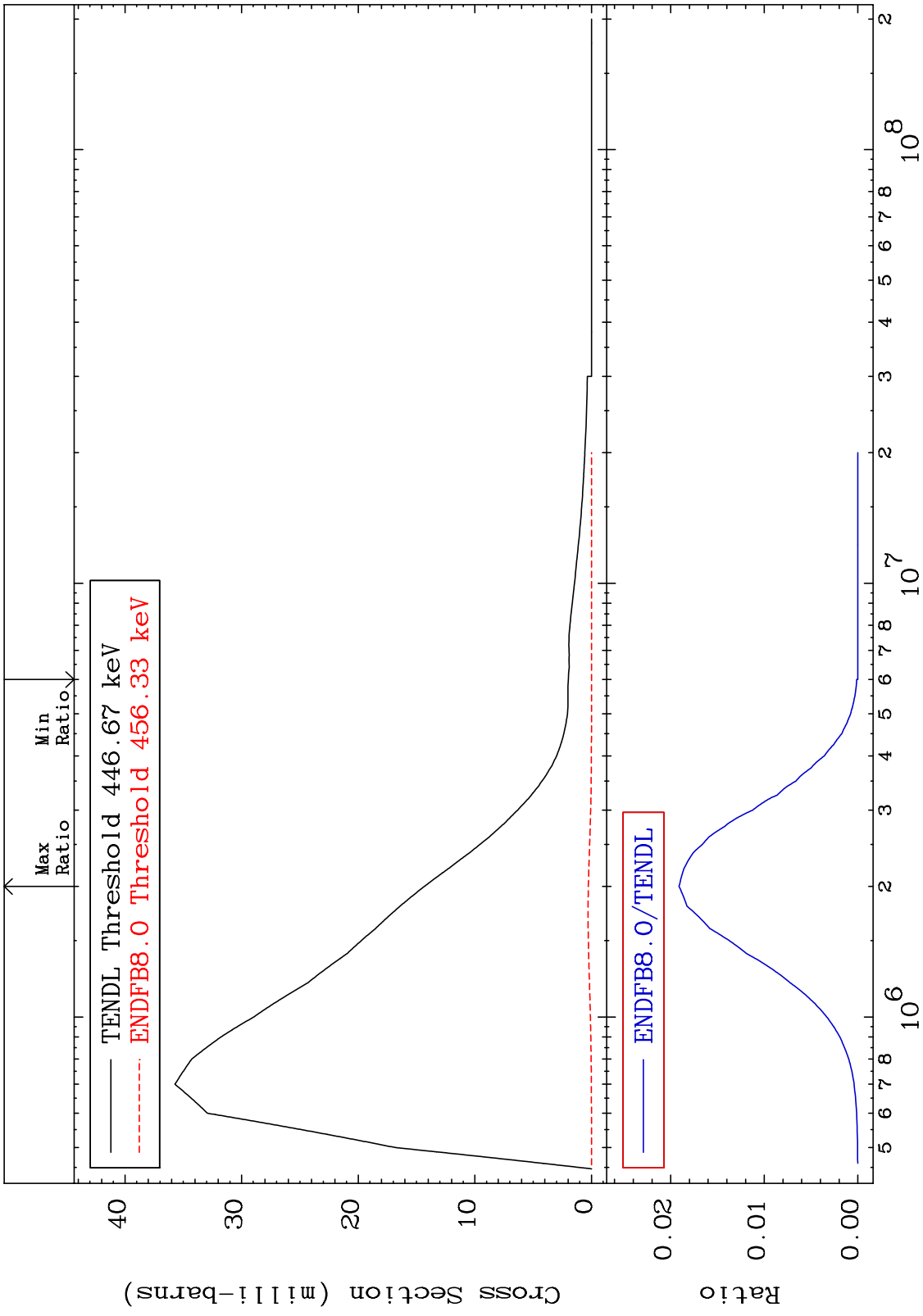
MAT 9346 MT= 71 (n,n') Level Cross Section 93-Np-237
 -100.0 To -25.69%



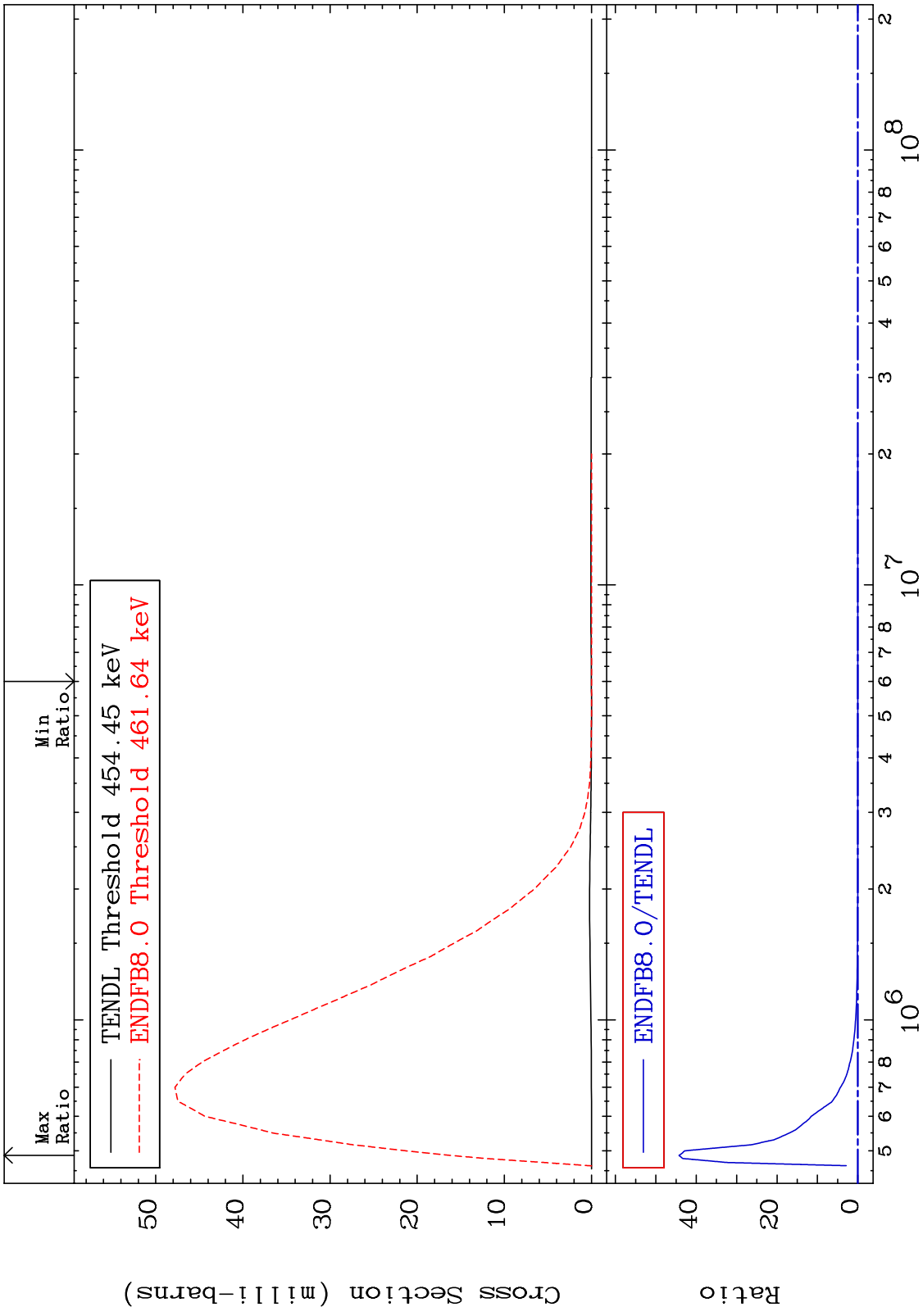
MAT 9346 MT= 72 (n,n') Level Cross Section 93-Np-237
 -100.0 To 191.3 %



MAT 9346 MT= 73 (n,n') Level Cross Section 93-Np-237 -100.0 To -98.09%



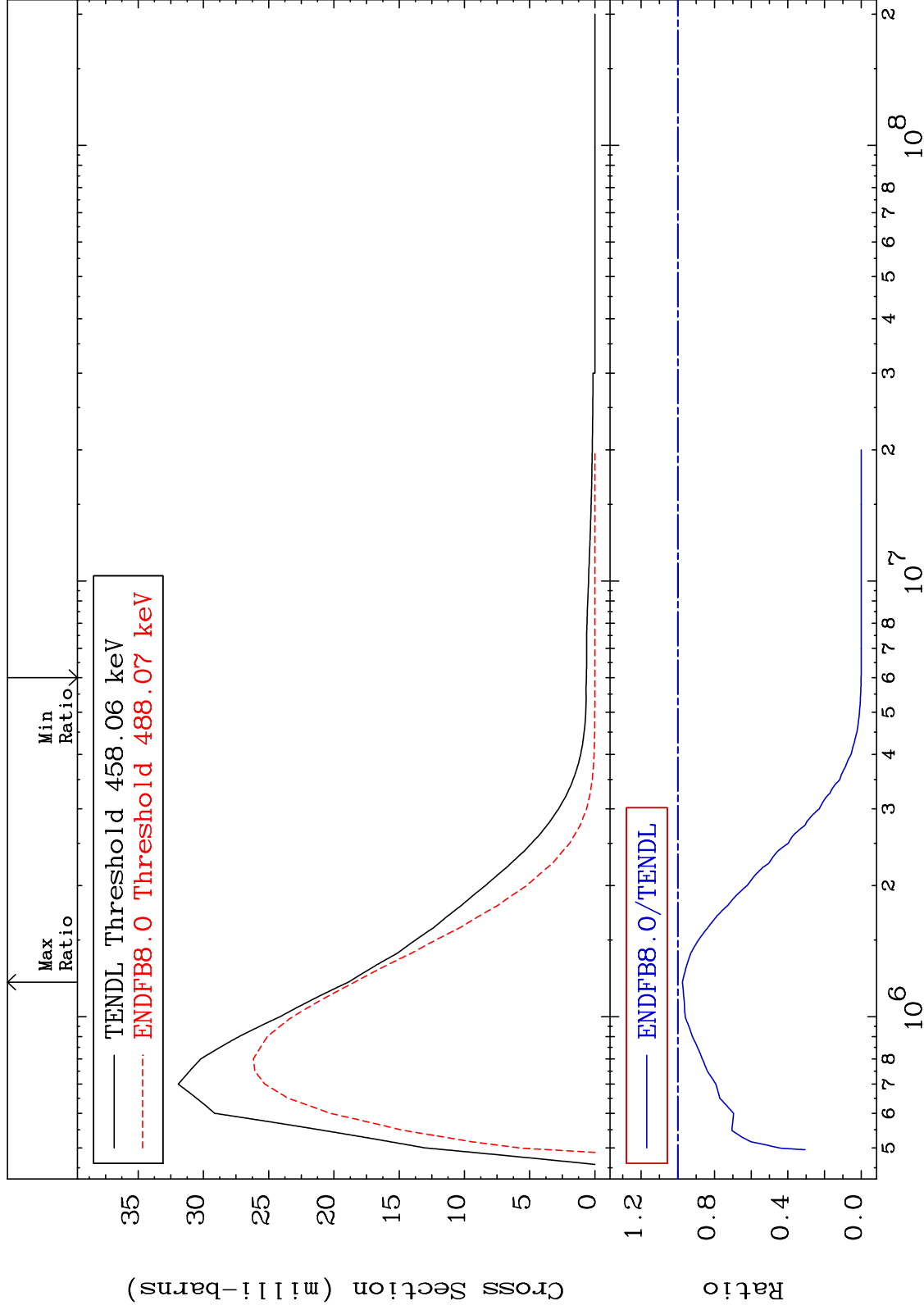
MAT 9346 MT= 74 (n,n') Level Cross Section 93-Np-237
 -100.0 To 9999. %



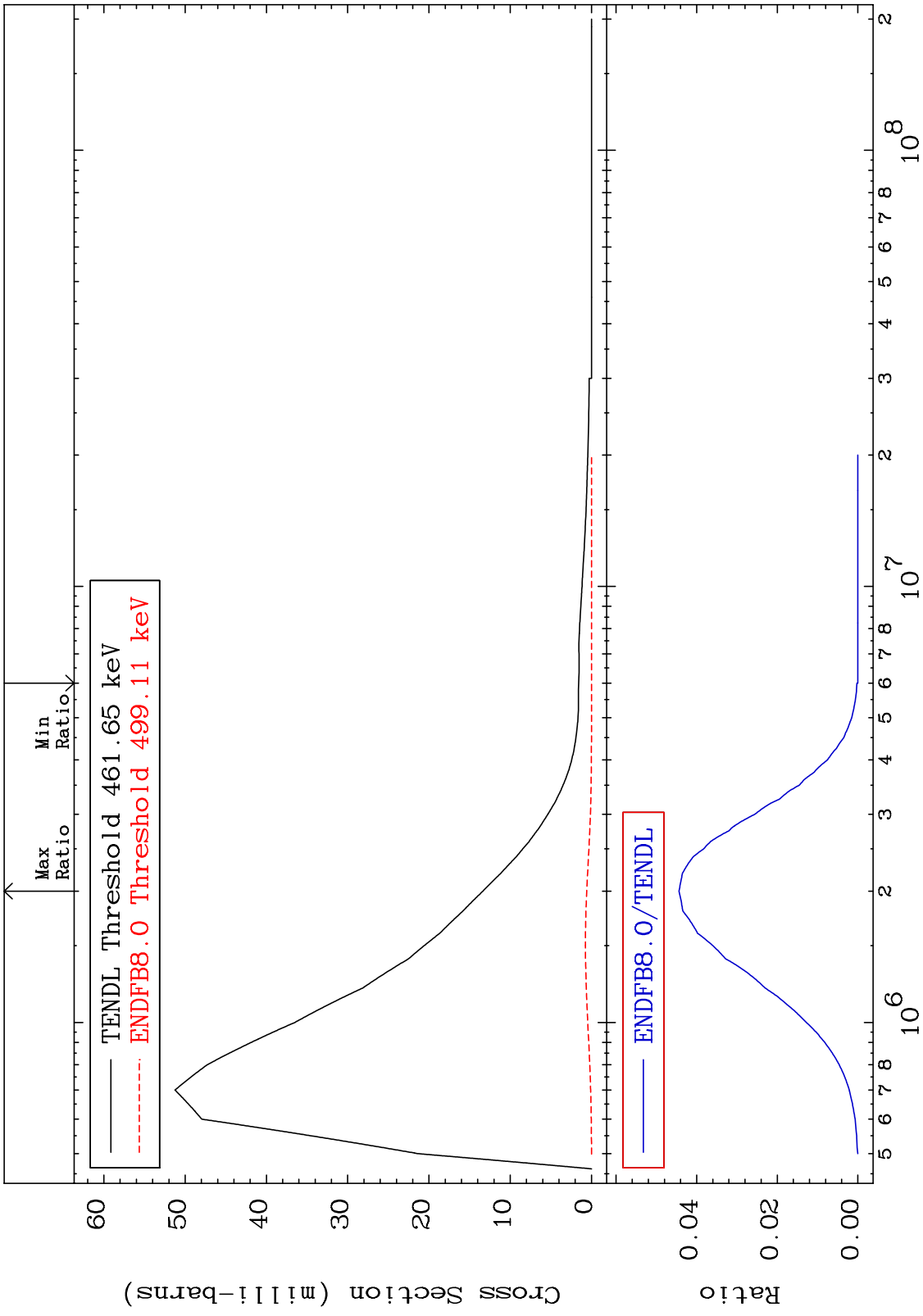
MAT 9346

MT= 75 (n,n') Level
Cross Section

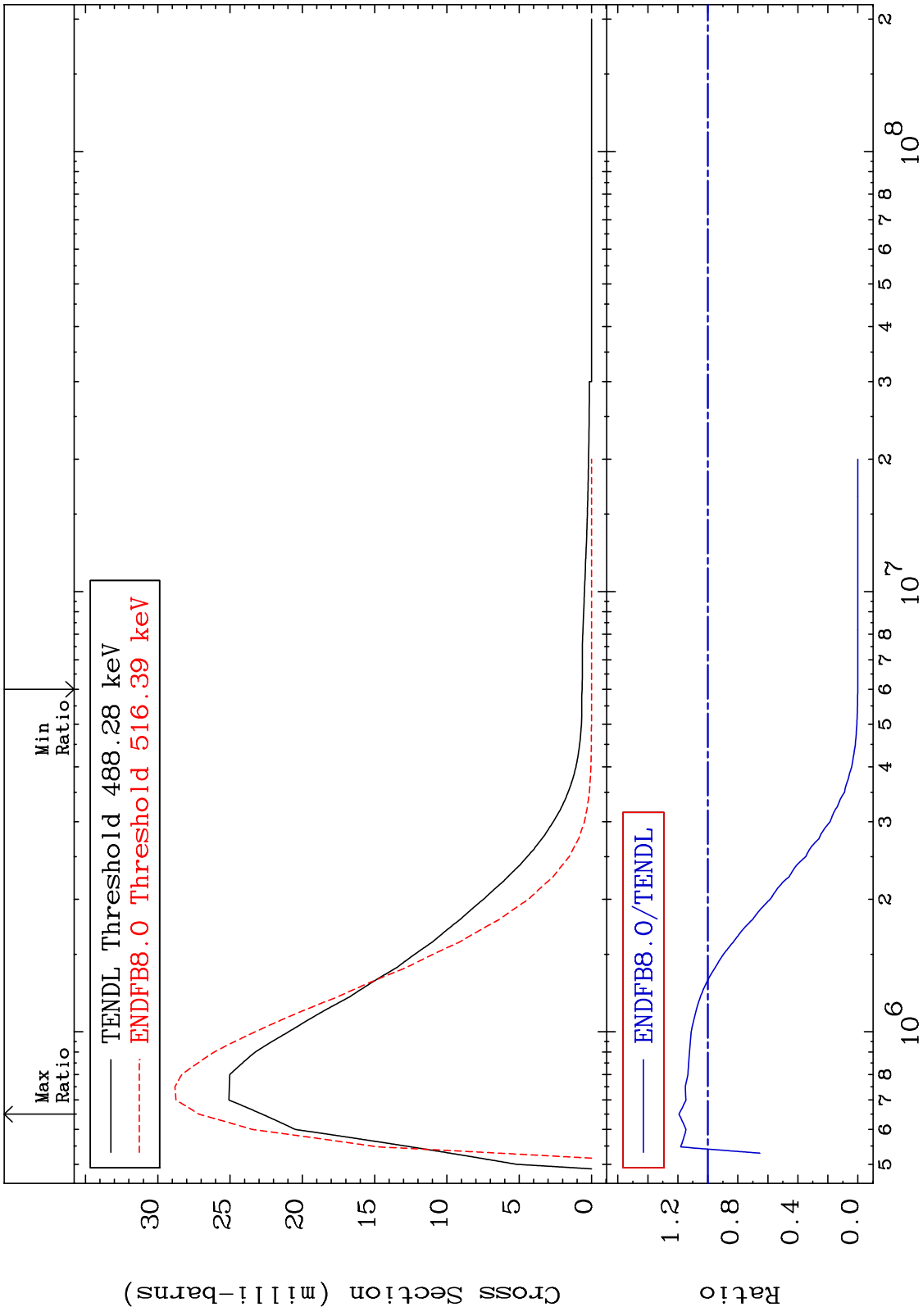
93-Np-237
-100.0 To -2.565%



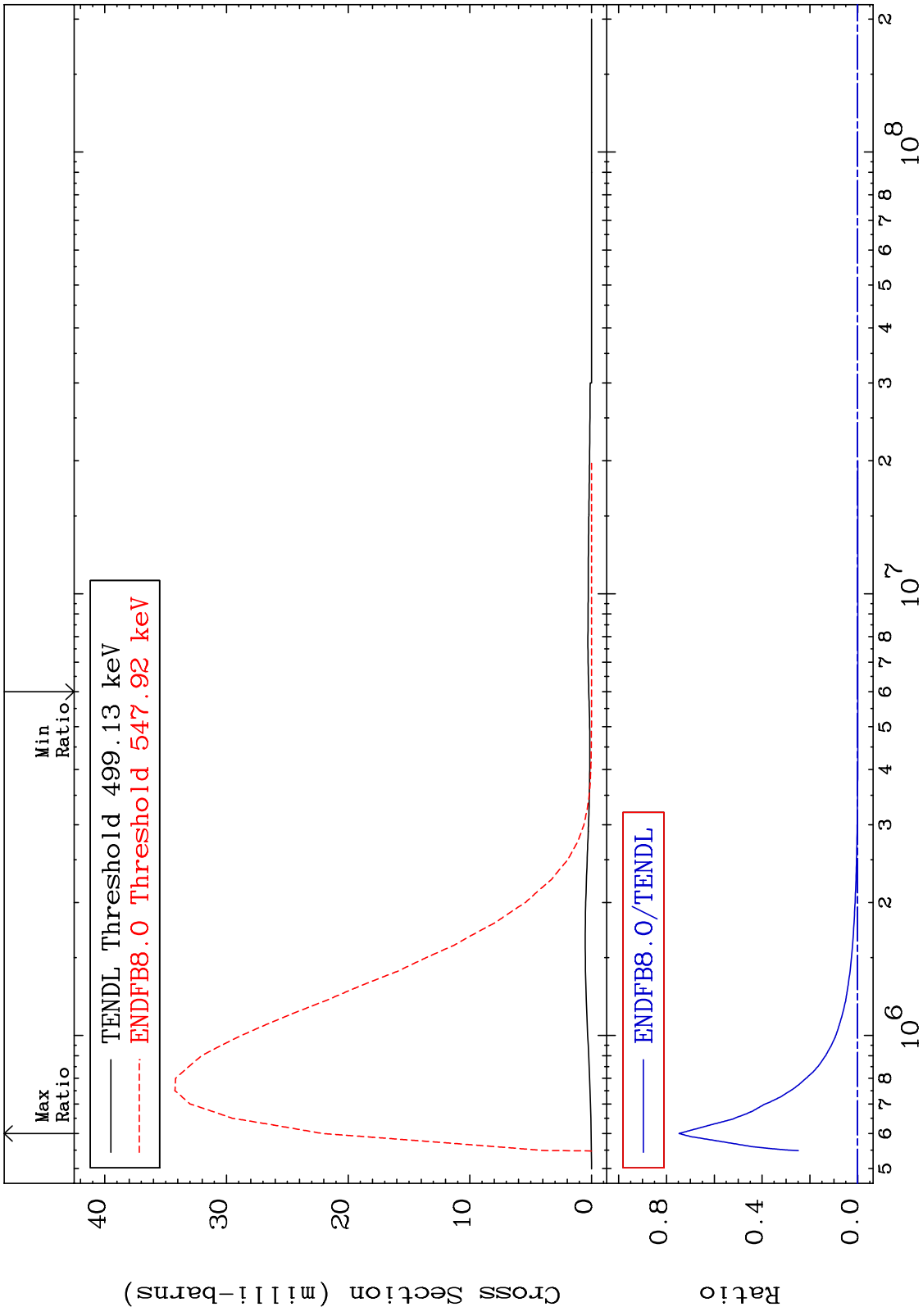
MAT 9346 MT= 76 (n,n') Level Cross Section 93-Np-237
 -100.0 To -95.56%



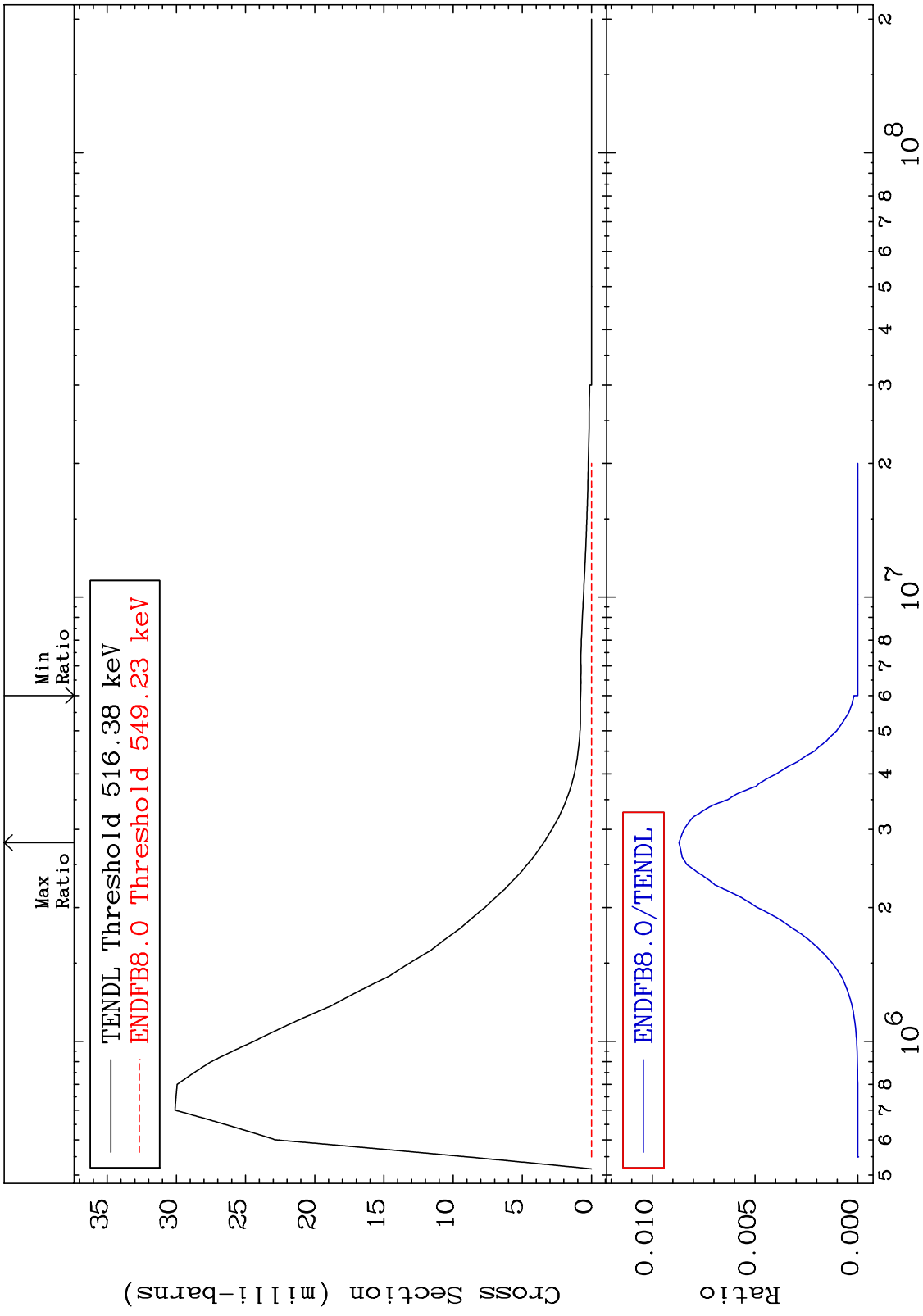
MAT 9346 MT= 77 (n,n') Level Cross Section 93-Np-237
 -100.0 To 19.20 %



MAT 9346 MT= 78 (n,n') Level Cross Section 93-Np-237
 -100.0 To 9999. %



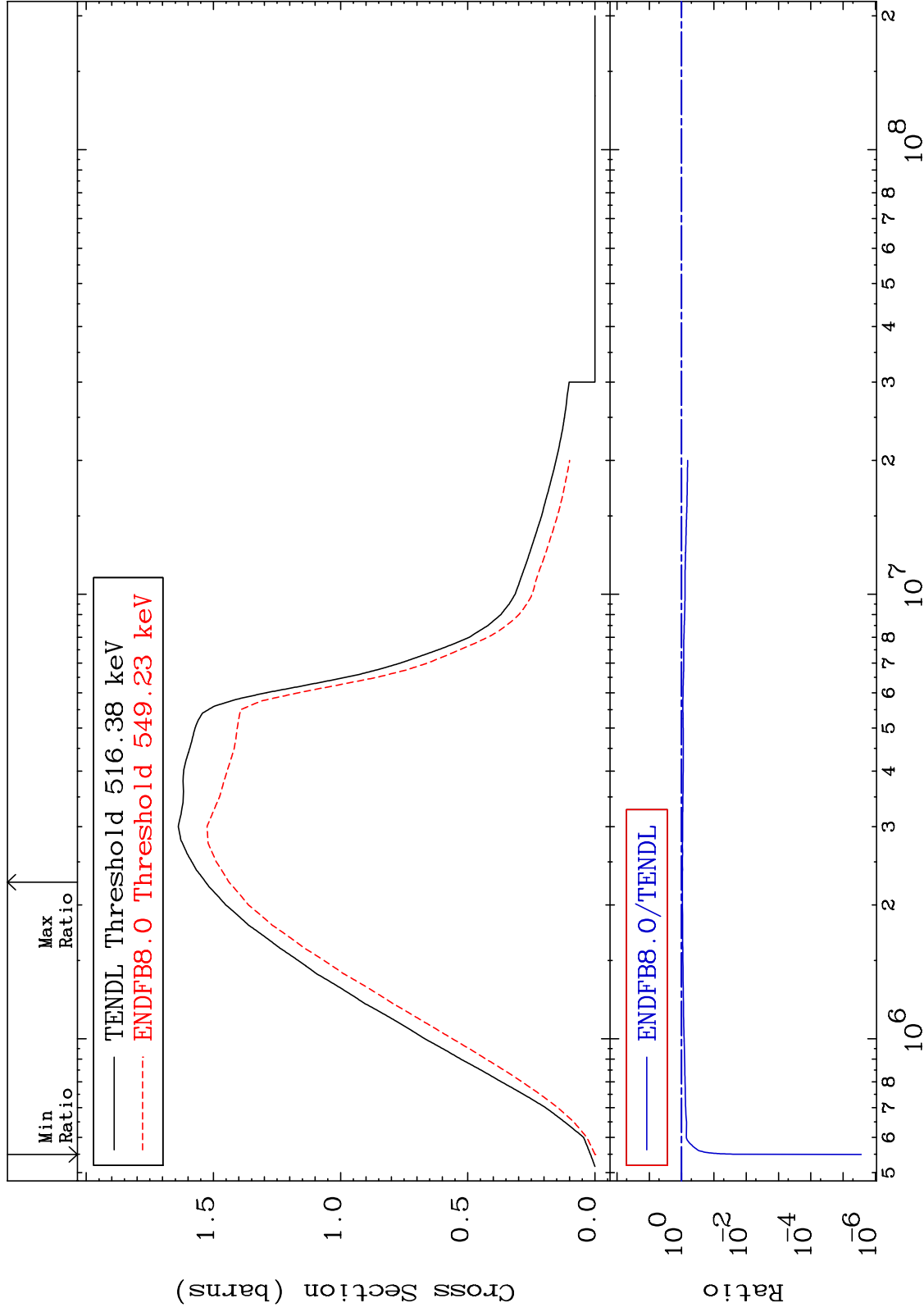
MAT 9346 MT= 79 (n,n') Level Cross Section 93-Np-237 -100.0 To -99.13%



MAT 9346

(n,n') Continuum
Cross Section

93-Np-237
-100.0 To -5.971%

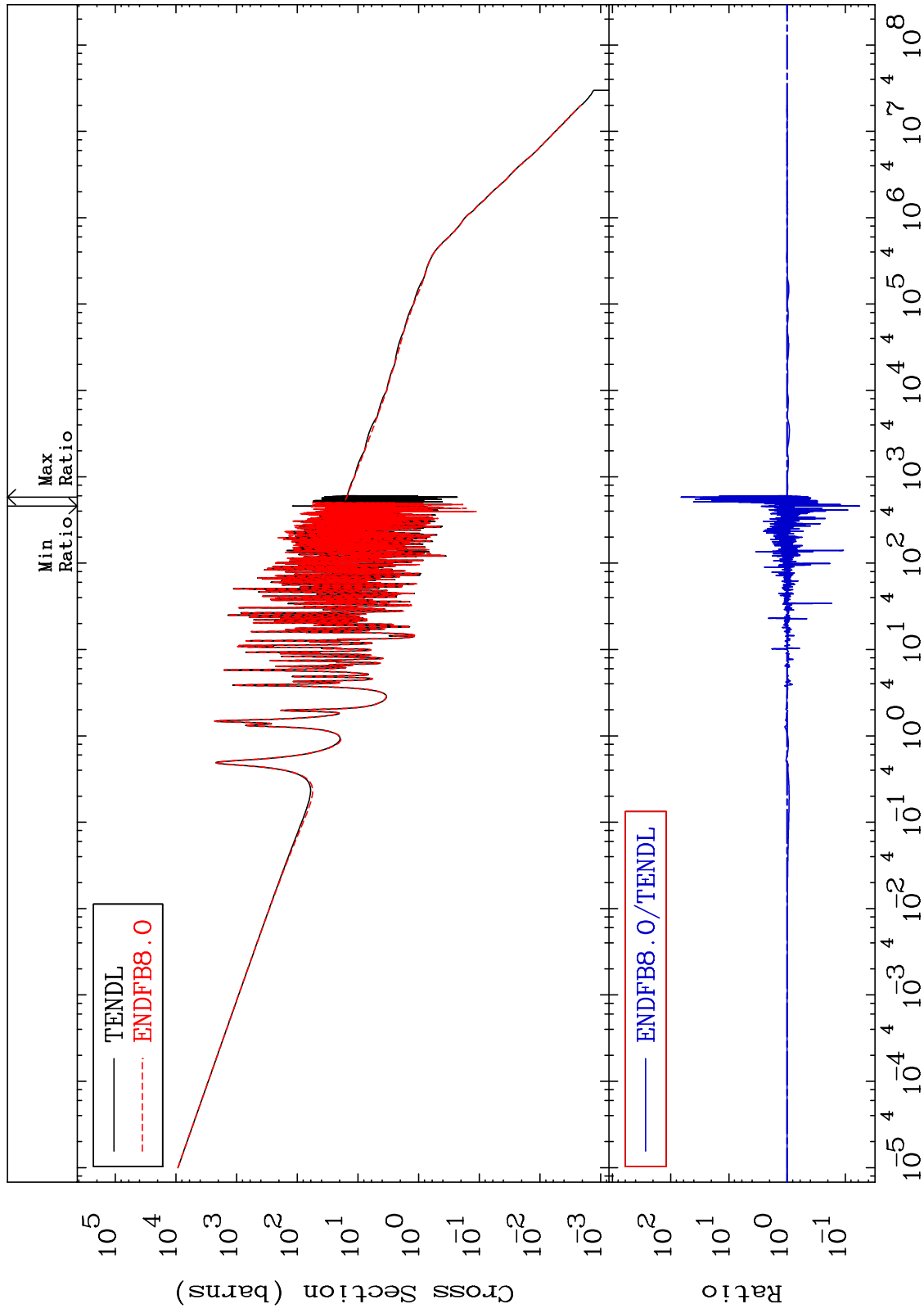


MAT 9346

(n, γ)

⁹³Np-237

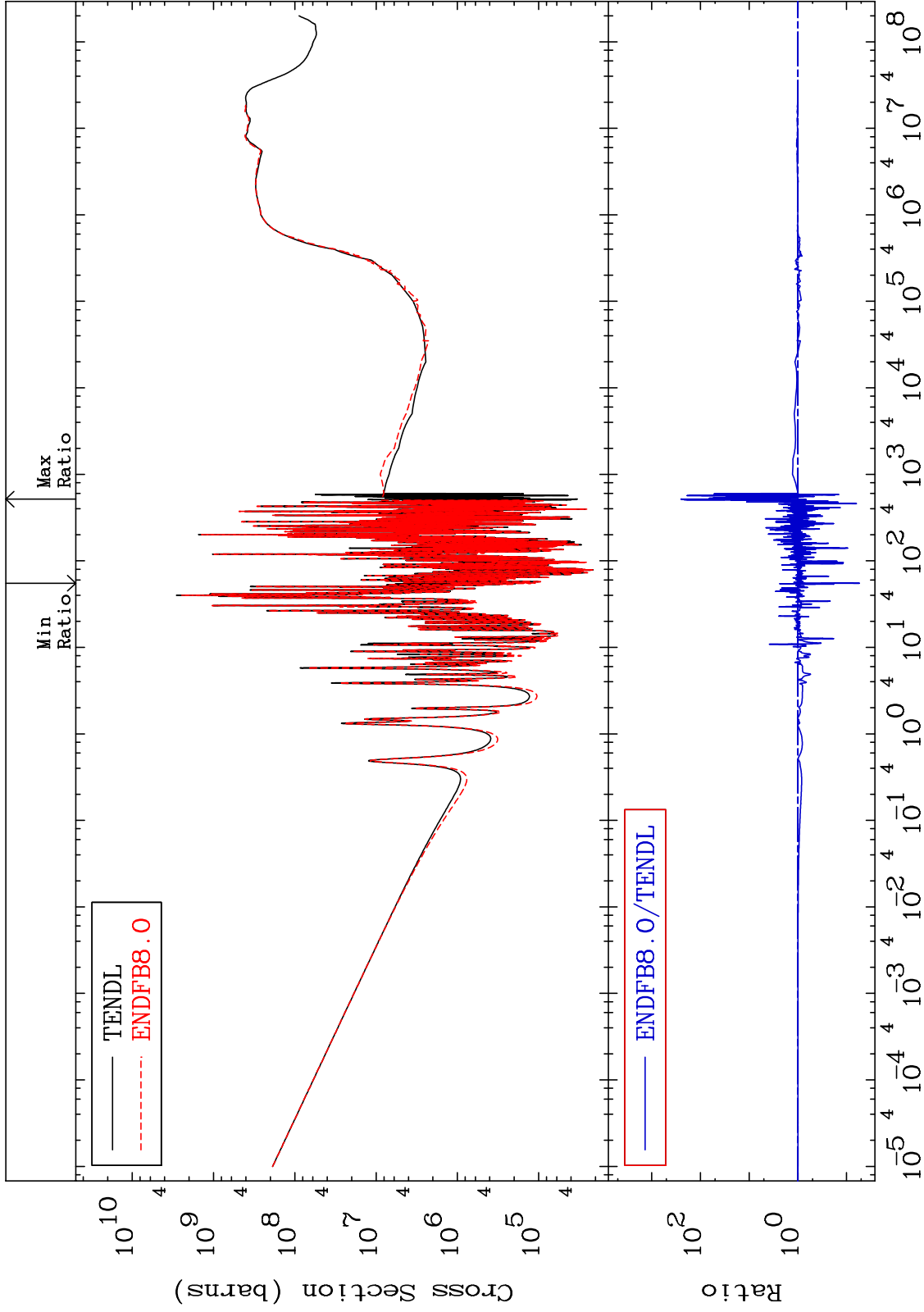
-94.34 To 6478. %



MAT 9346

Kerma total (eV-barns)
Cross Section

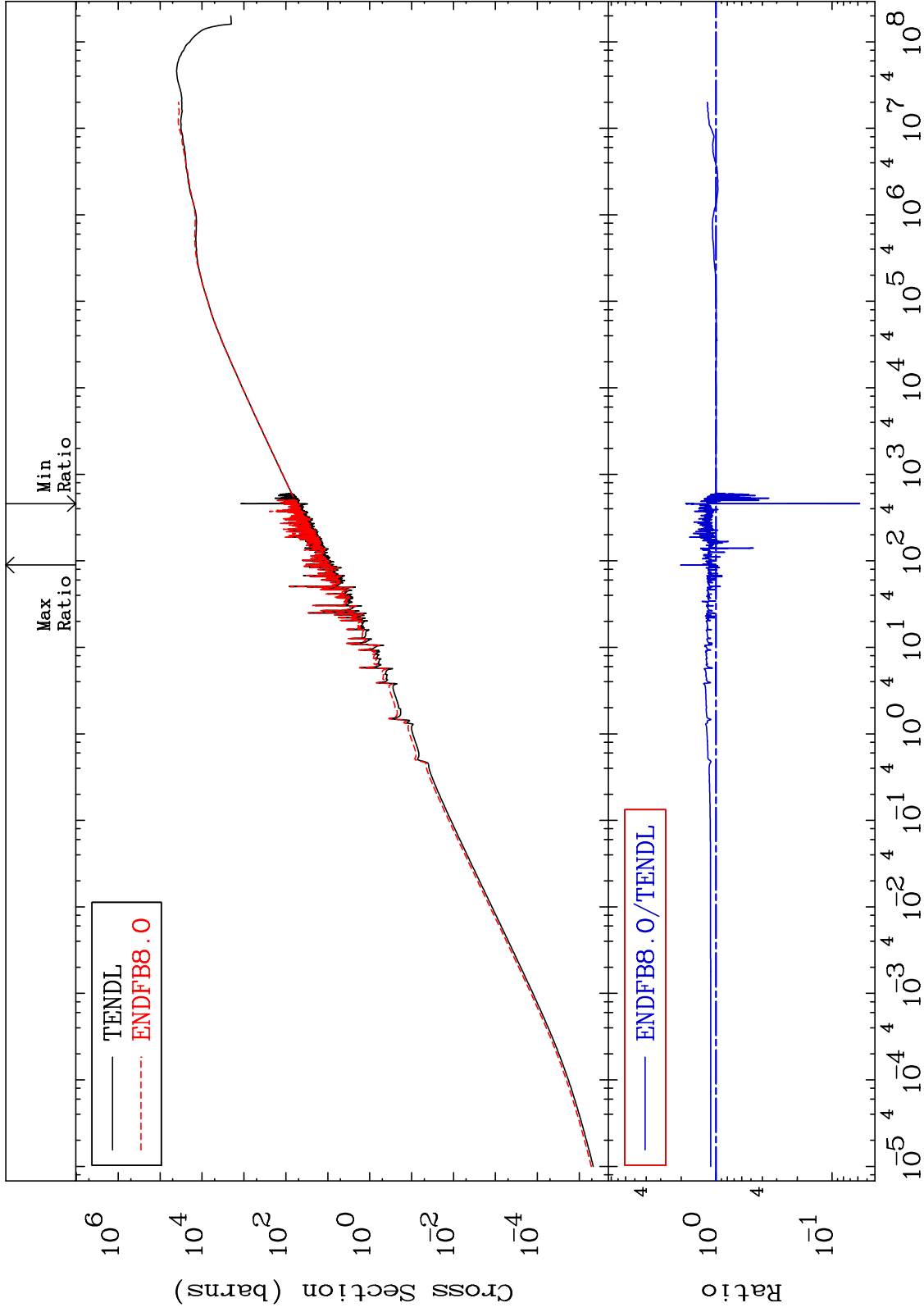
93-Np-237
-94.62 To 9999. %



MAT 9346

Kerma elastic
Cross Section

93-Np-237
-94.21 To 101.2 %

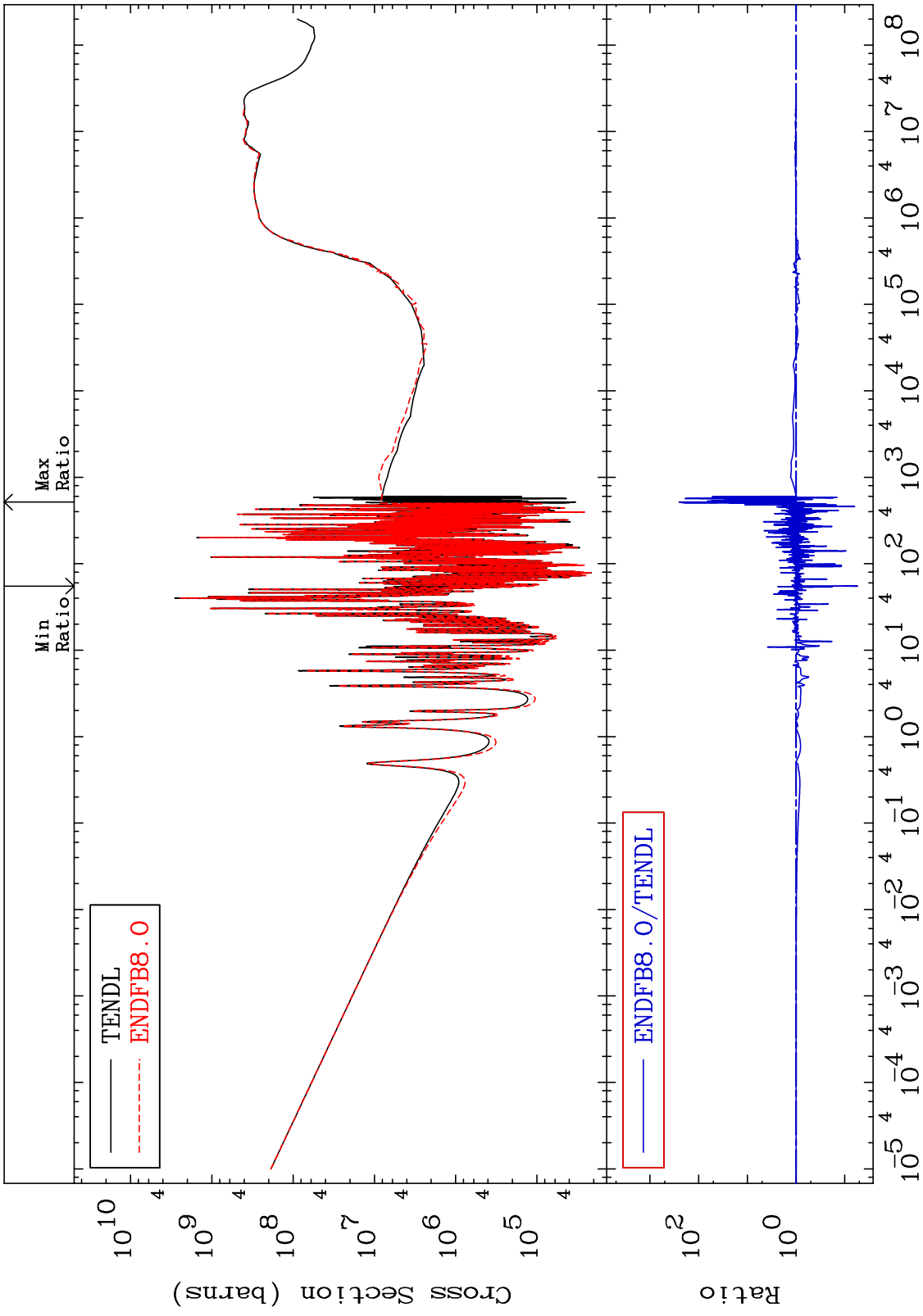


40

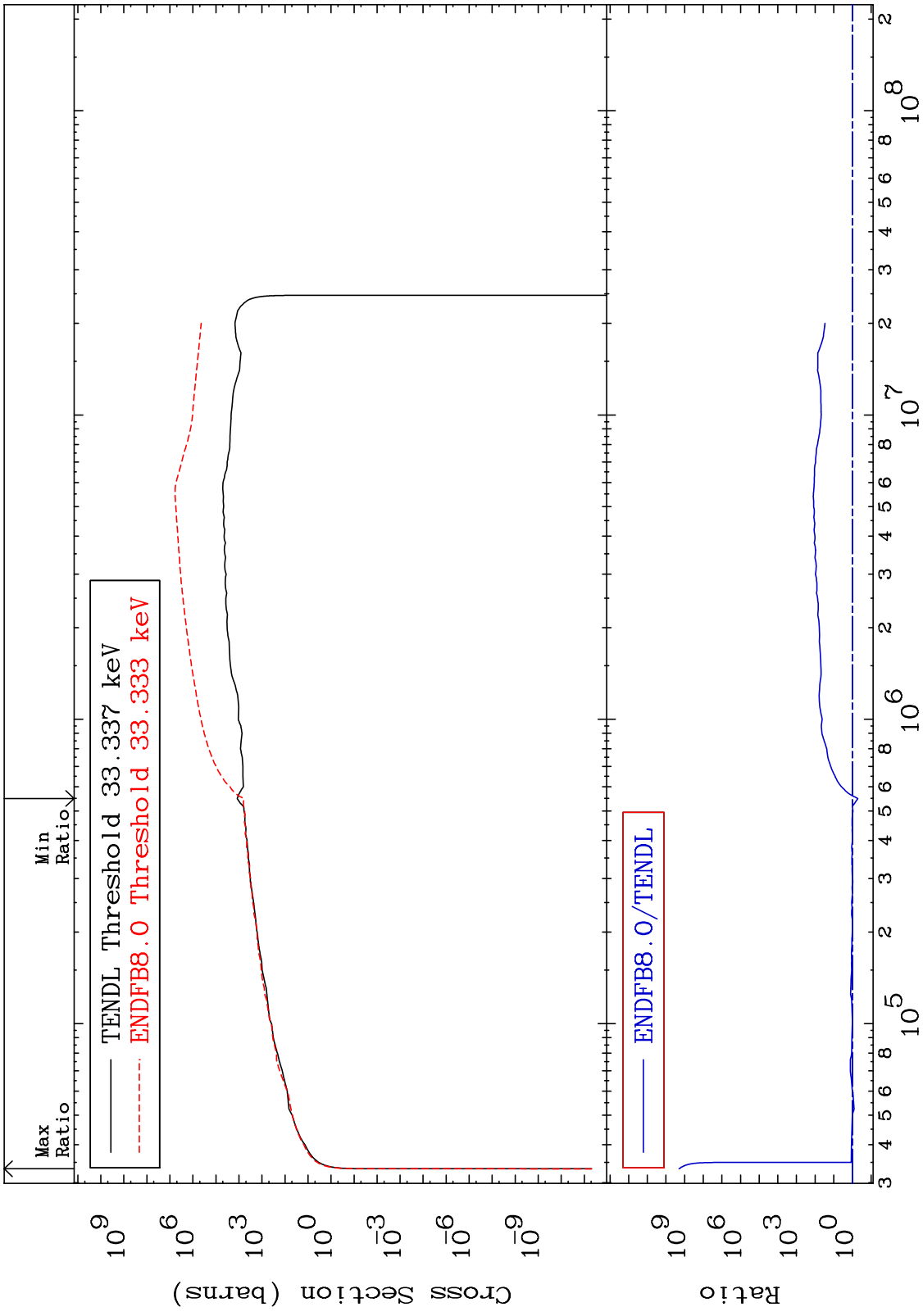
Incident Energy (eV)

93-Np-237

MAT 9346 Kerma non-elastic (all but mt2) 93-Np-237
 -94.62 To 9999. %
 Cross Section



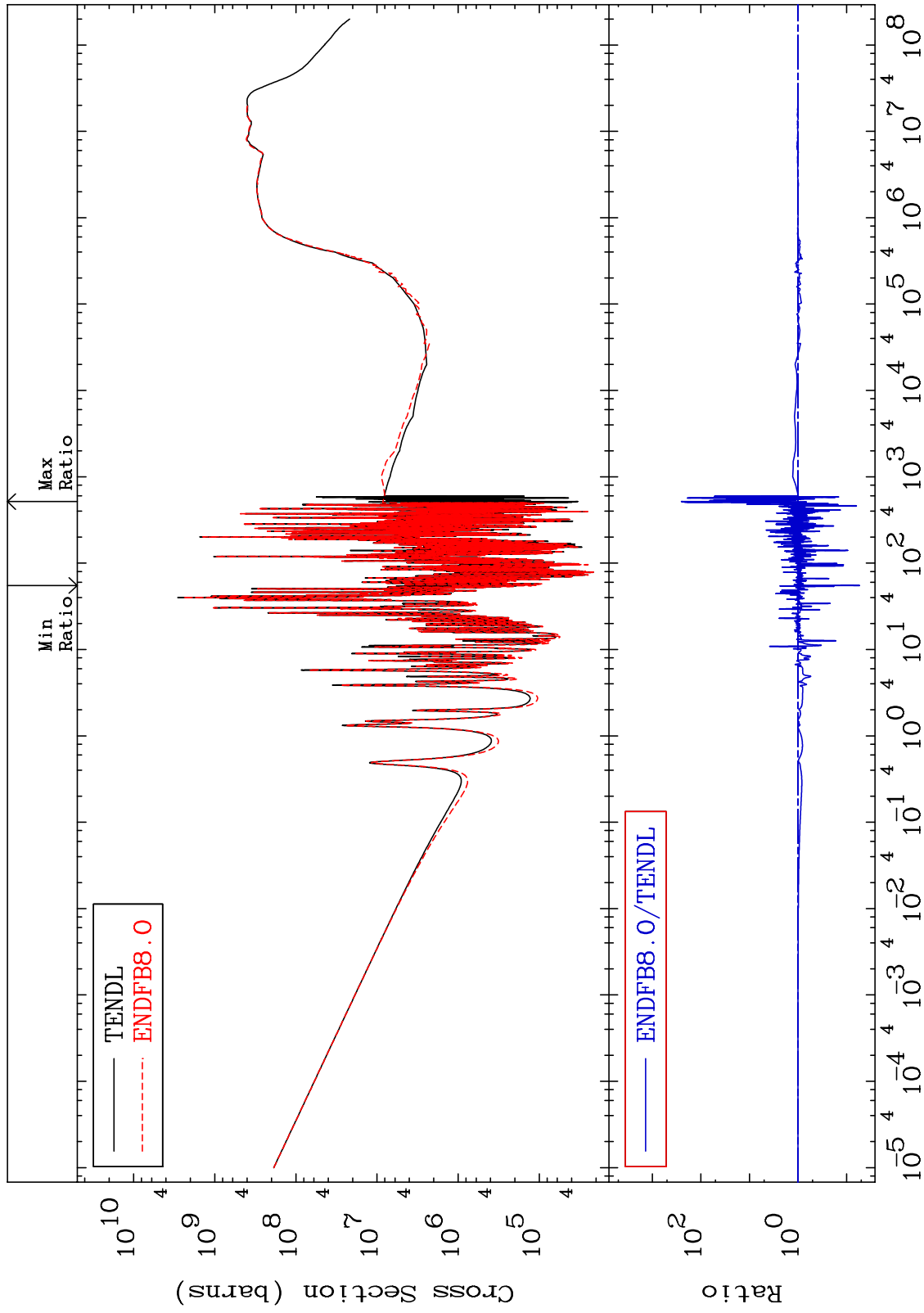
MAT 9346 Kerma inelastic (mt51-91) 93-Np-237
 Cross Section -48.85 To 9999. %



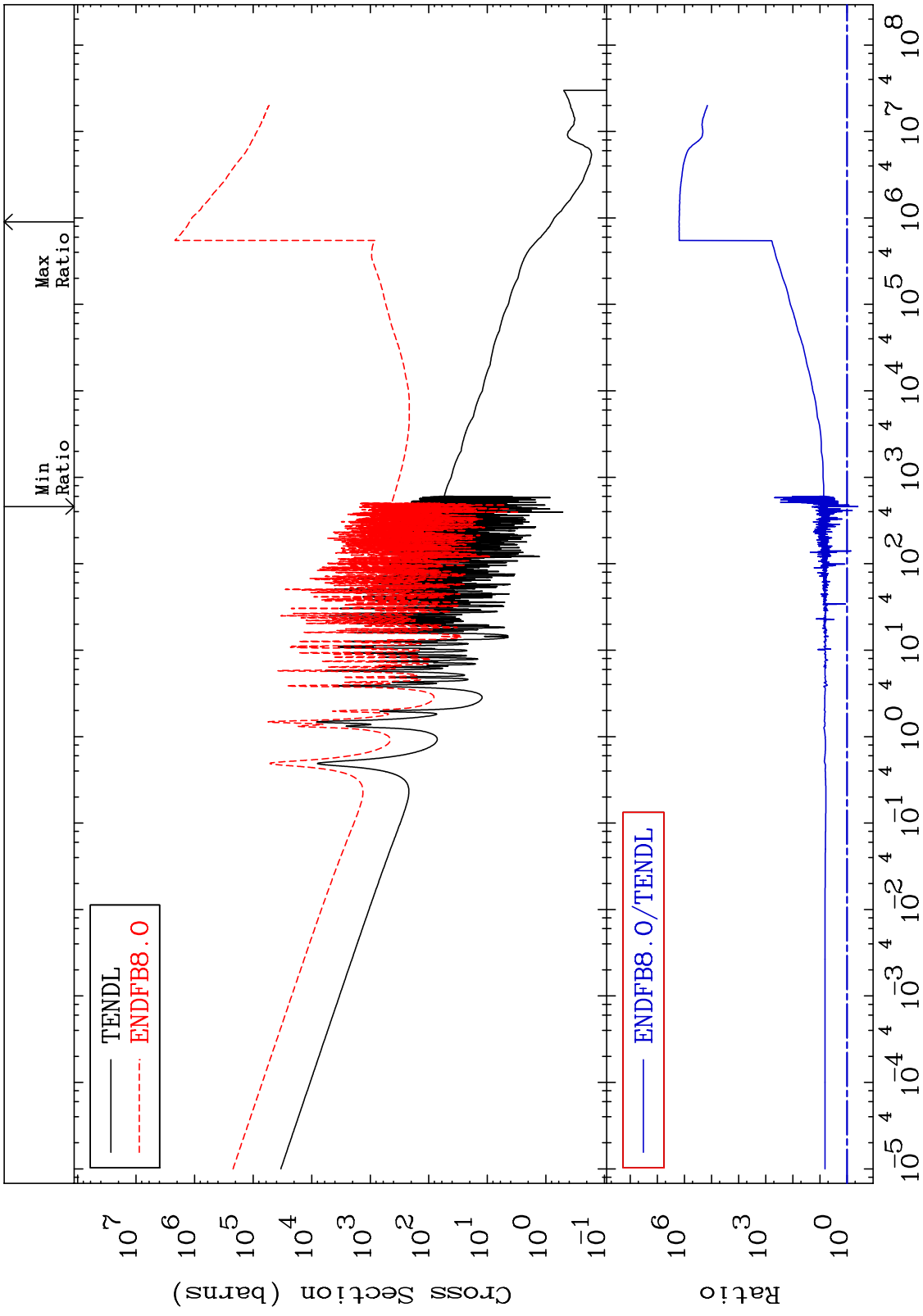
MAT 9346

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

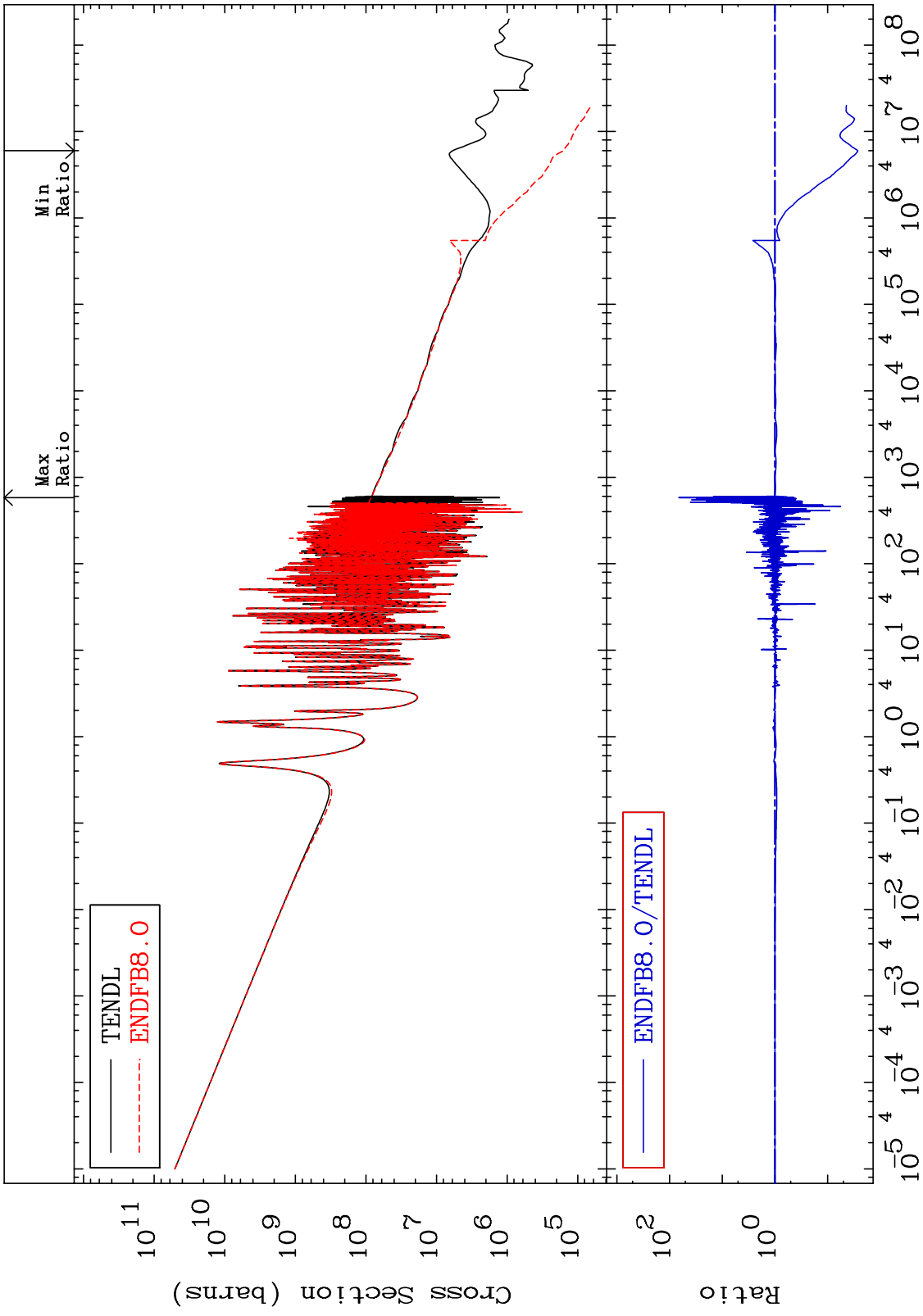
93-Np-237
-94.65 To 9999. %



MAT 9346 Kerma capture (mt102) 93-Np-237
 Cross Section -59.86 To 9999. %



MAT 9346 93-Np-237
 Total photon (eV-barns) -97.34 To 6496. %
 Cross Section

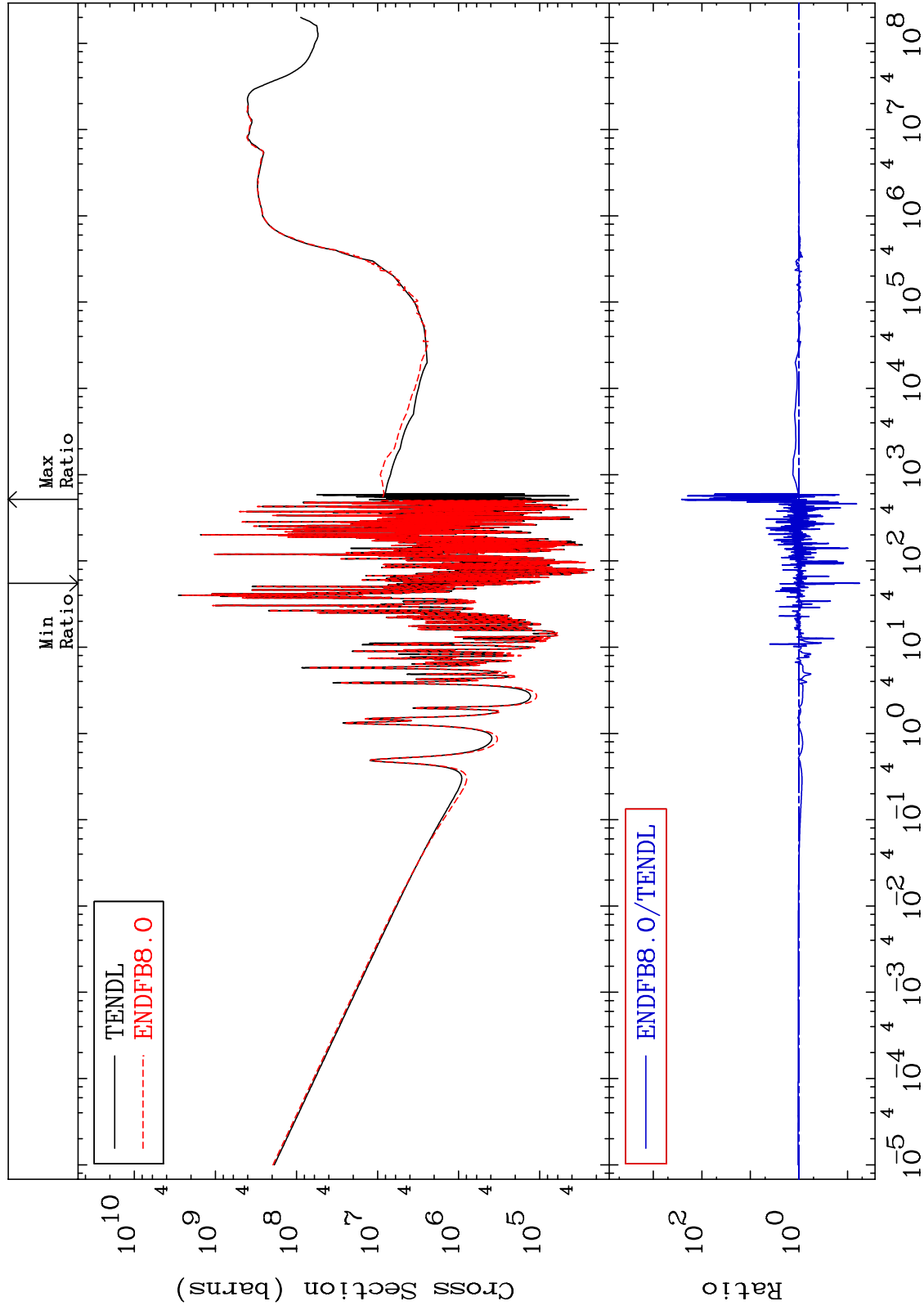


45 93-Np-237

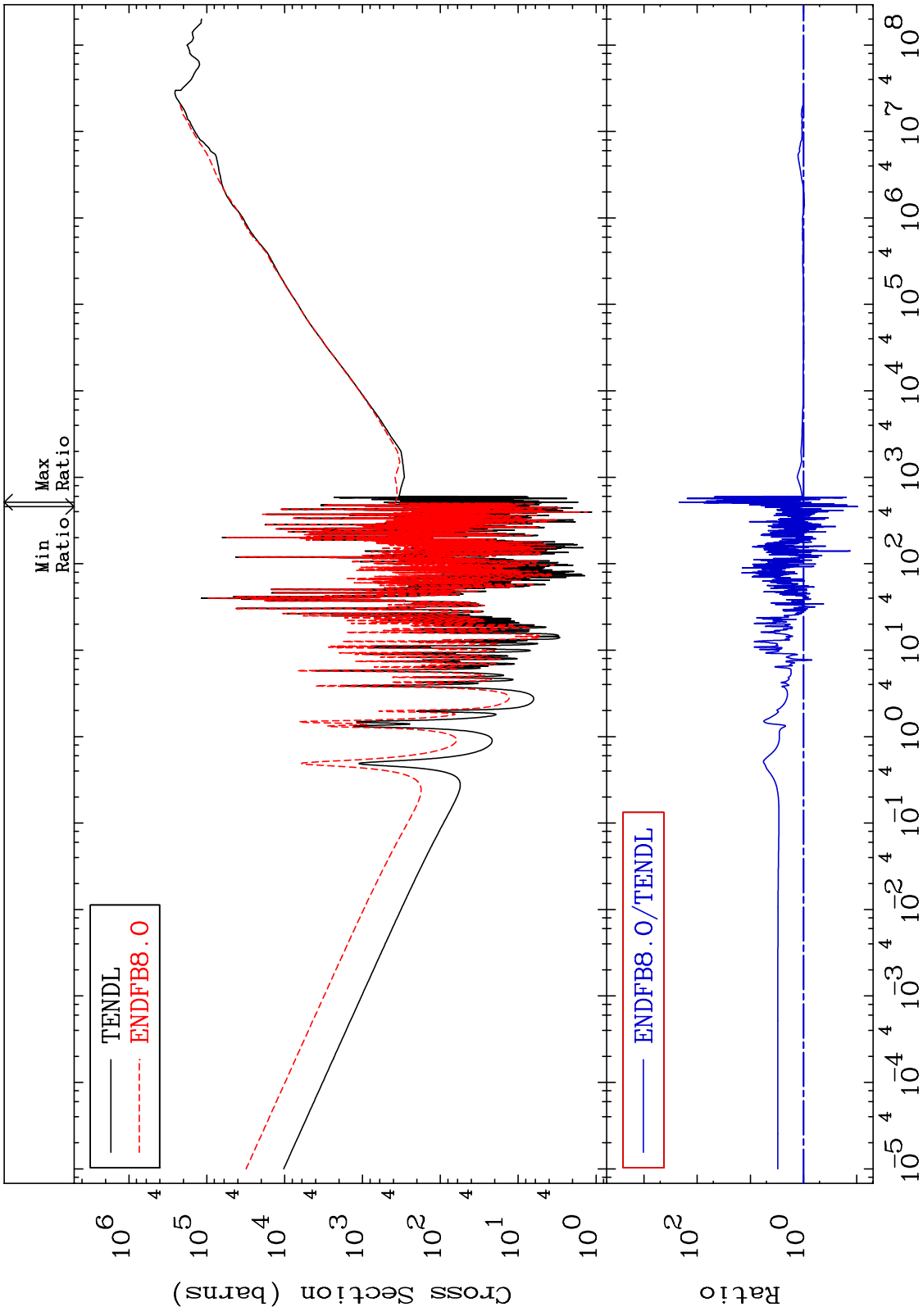
MAT 9346

Total kinematic kerma (high limit)
Cross Section

93-Np-237
-94.41 To 9999. %



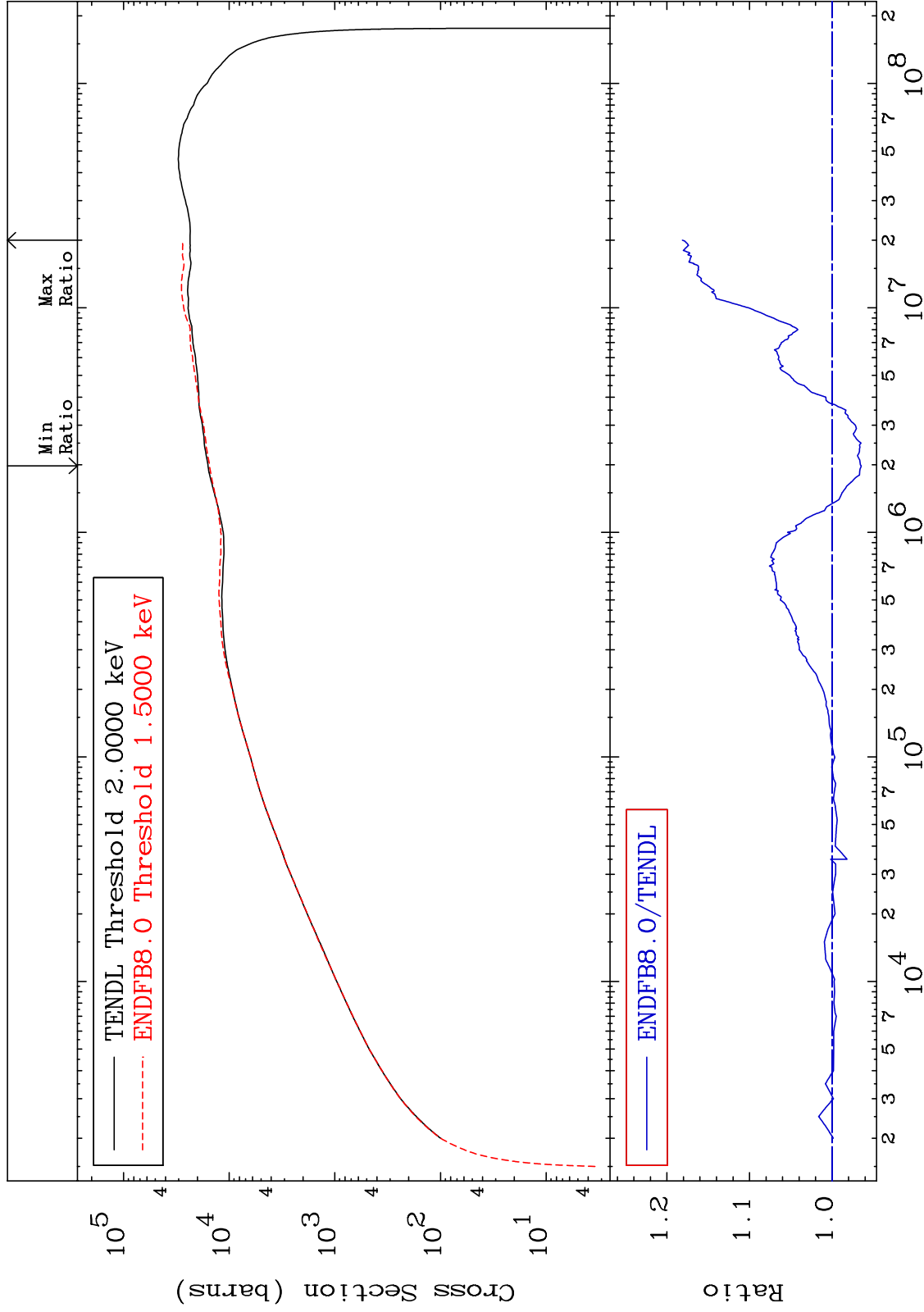
MAT 9346 93-Np-237
 Dpa total (eV-barns) -90.50 To 9999. %
 Cross Section



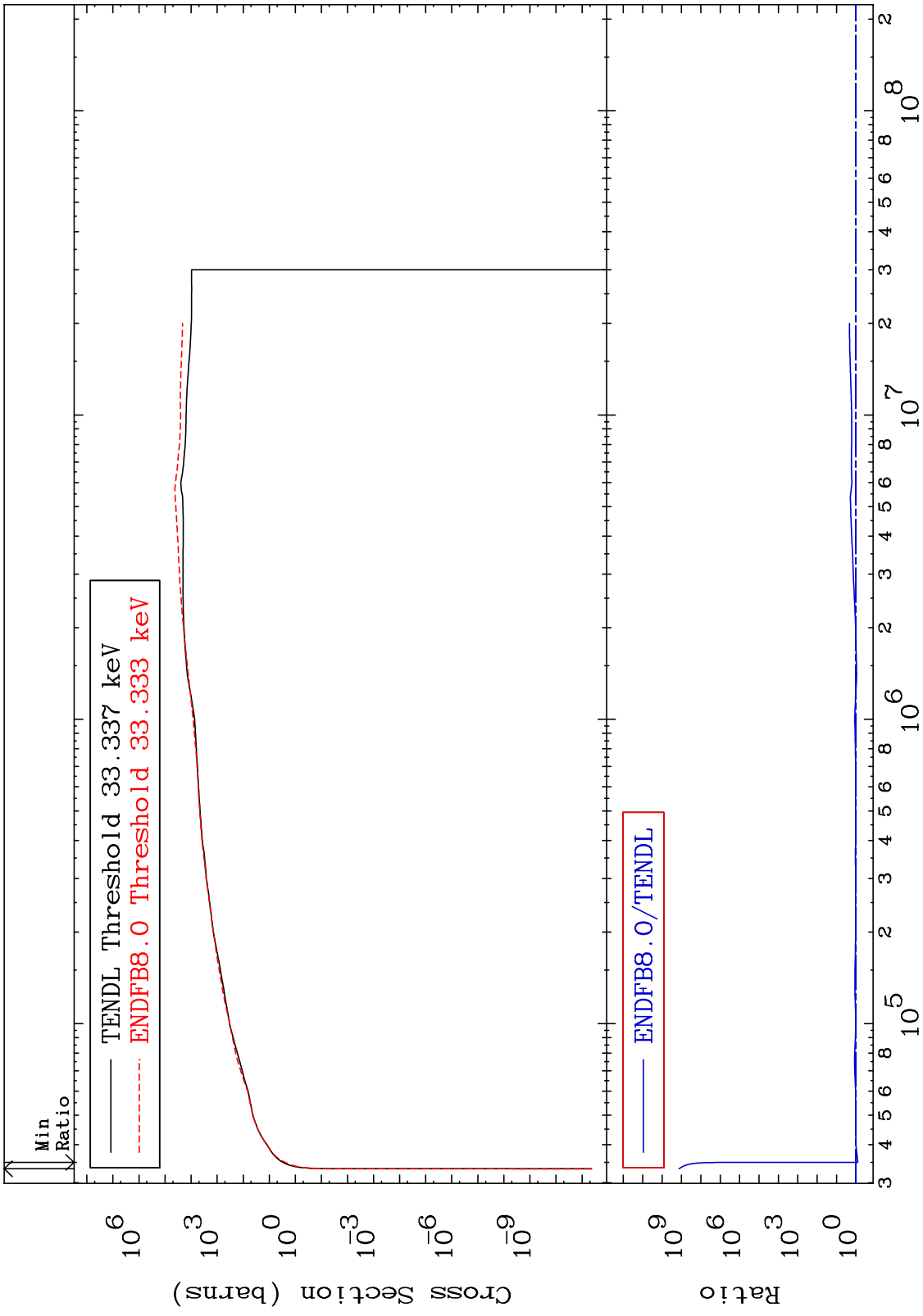
MAT 9346

Dpa elastic (mt2)
Cross Section

93-Np-237
-3.534 To 18.12 %



MAT 9346 Dpa inelastic (mt51-91) 93-Np-237
 Cross Section -20.80 To 9999. %



MAT 9346

Dpa disappearance (mt102 -120)
Cross Section

93-Np-237
-100.0 To 9999. %

