

Program Complot
(Version 2021-1)

by

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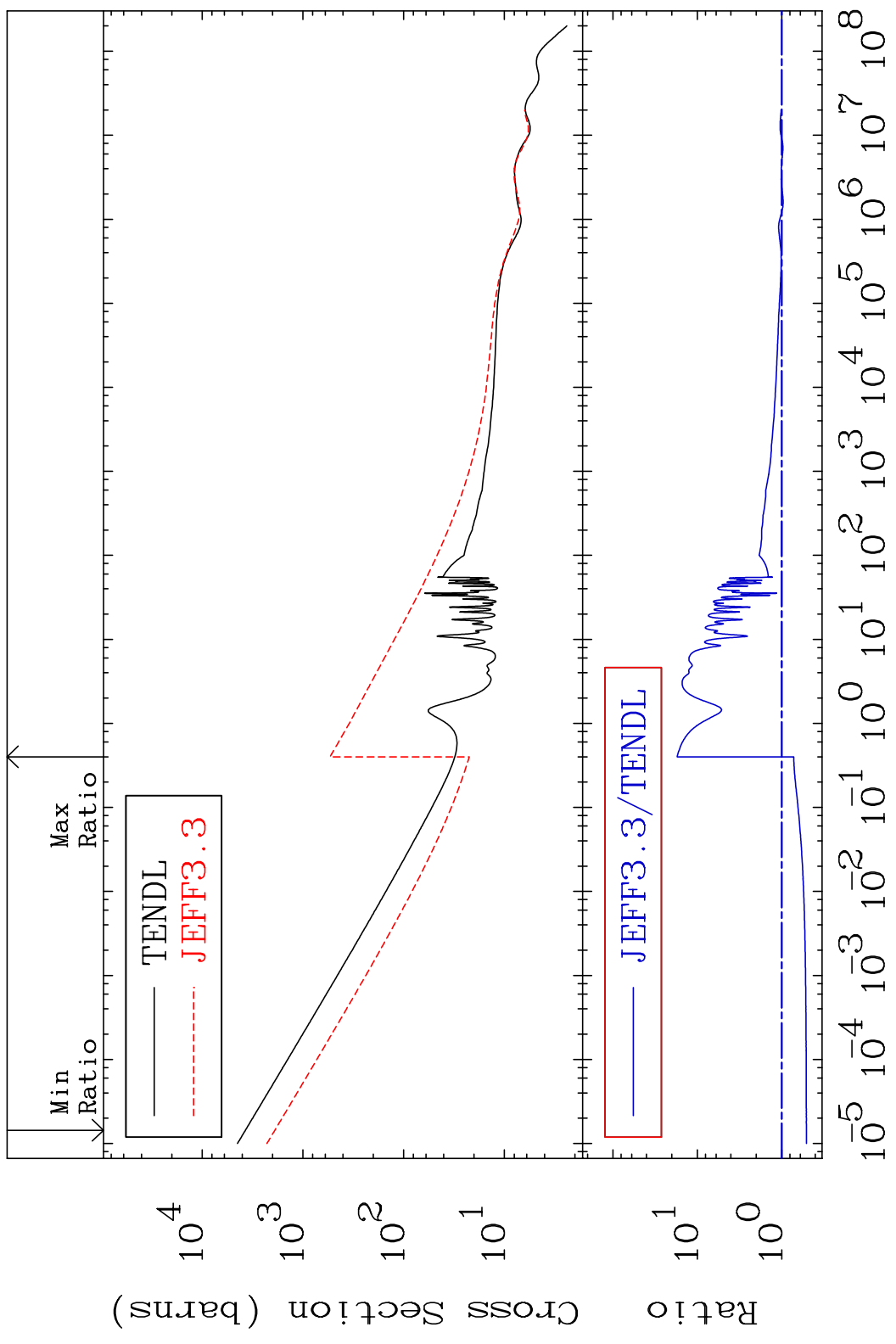
Press Mouse Button to Start

MAT 9352

Total

93-Np-239

Cross Section -48.99 To 1631. %



1

Incident Energy (eV)

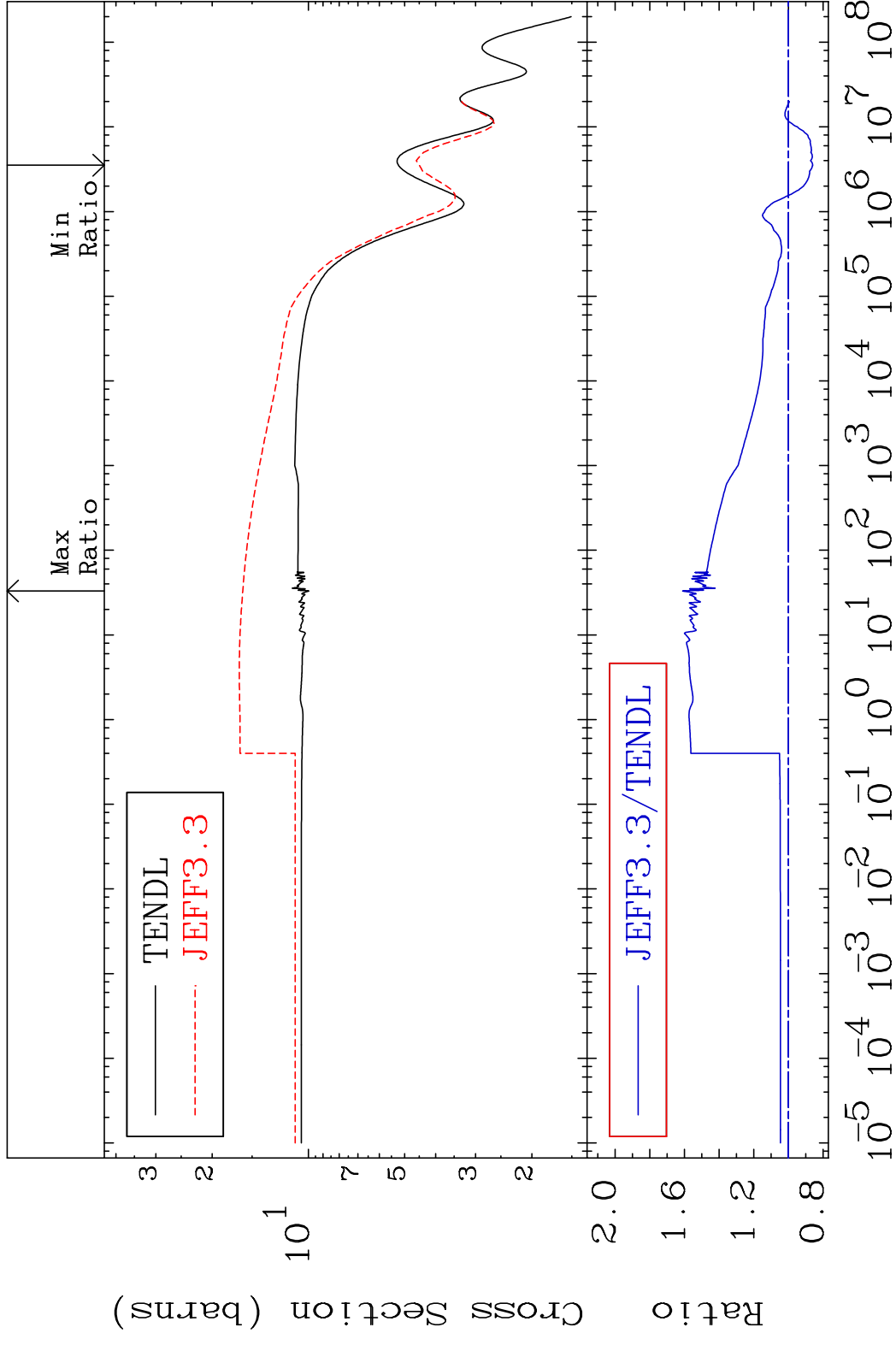
93-Np-239

MAT 9352

Elastic

93-Np-239

Cross Section -13.96 To 61.15 %



2

Incident Energy (eV)

93-Np-239

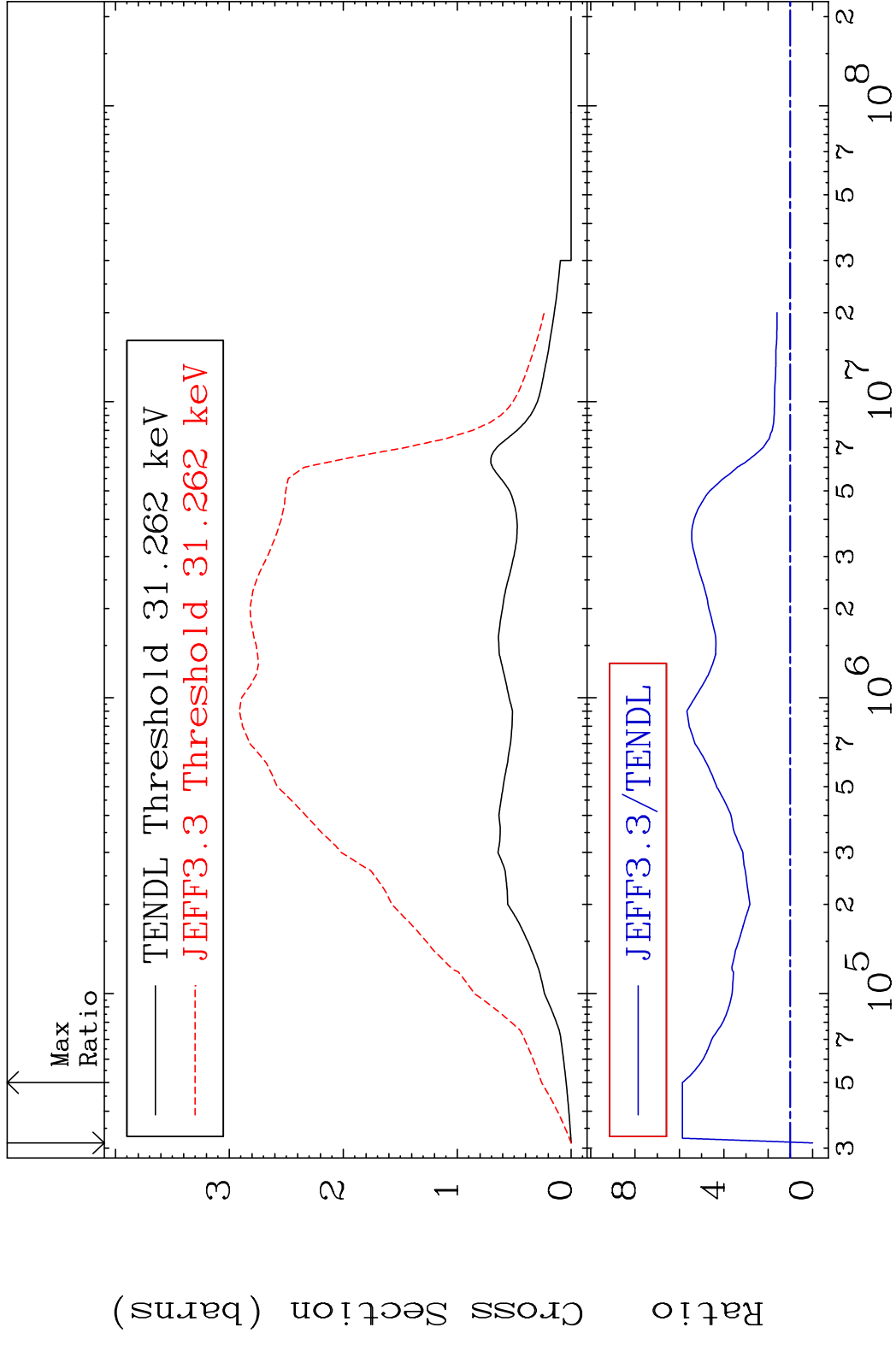
MAT 9352

Inelastic

93-Np-239

Cross Section

-100.0 To 486.7 %



3

Incident Energy (eV)

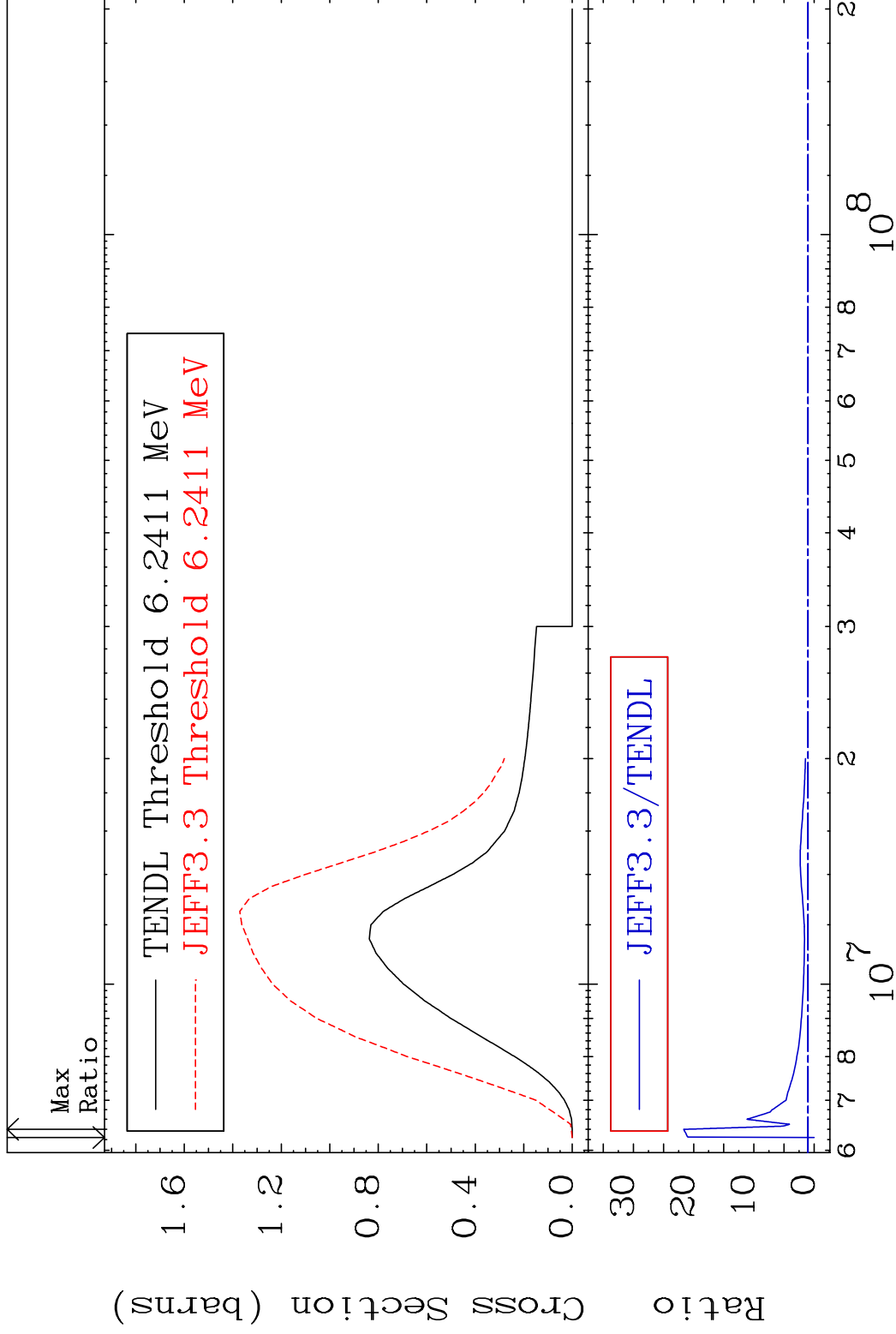
93-Np-239

MAT 9352

(n,2n)

93-Np-239

Cross Section -100.0 To 2066. %



4

Incident Energy (eV)

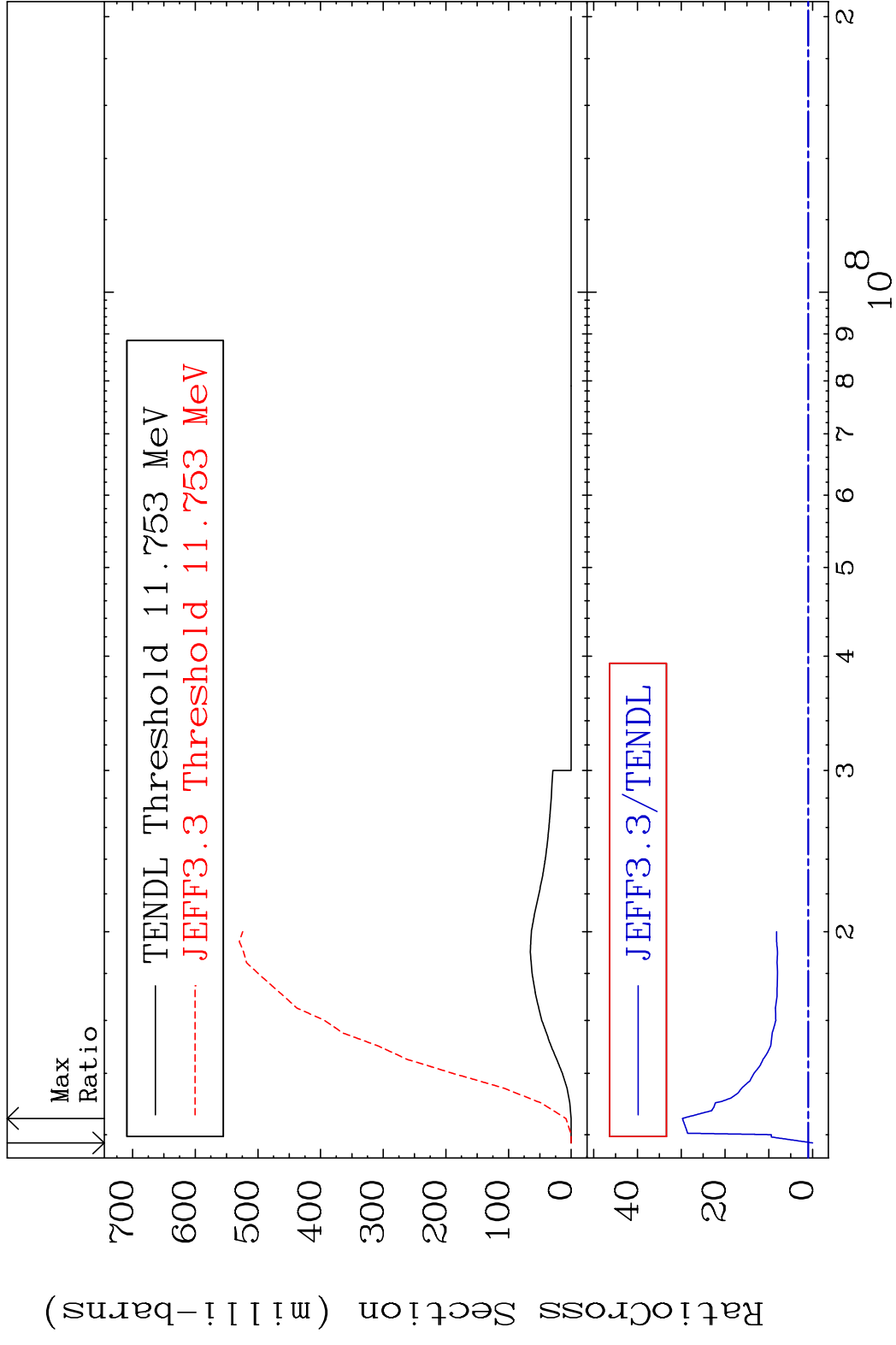
93-Np-239

MAT 9352

(n,3n)

93-Np-239

Cross Section -100.0 To 2875. %



5

Incident Energy (eV)

93-Np-239

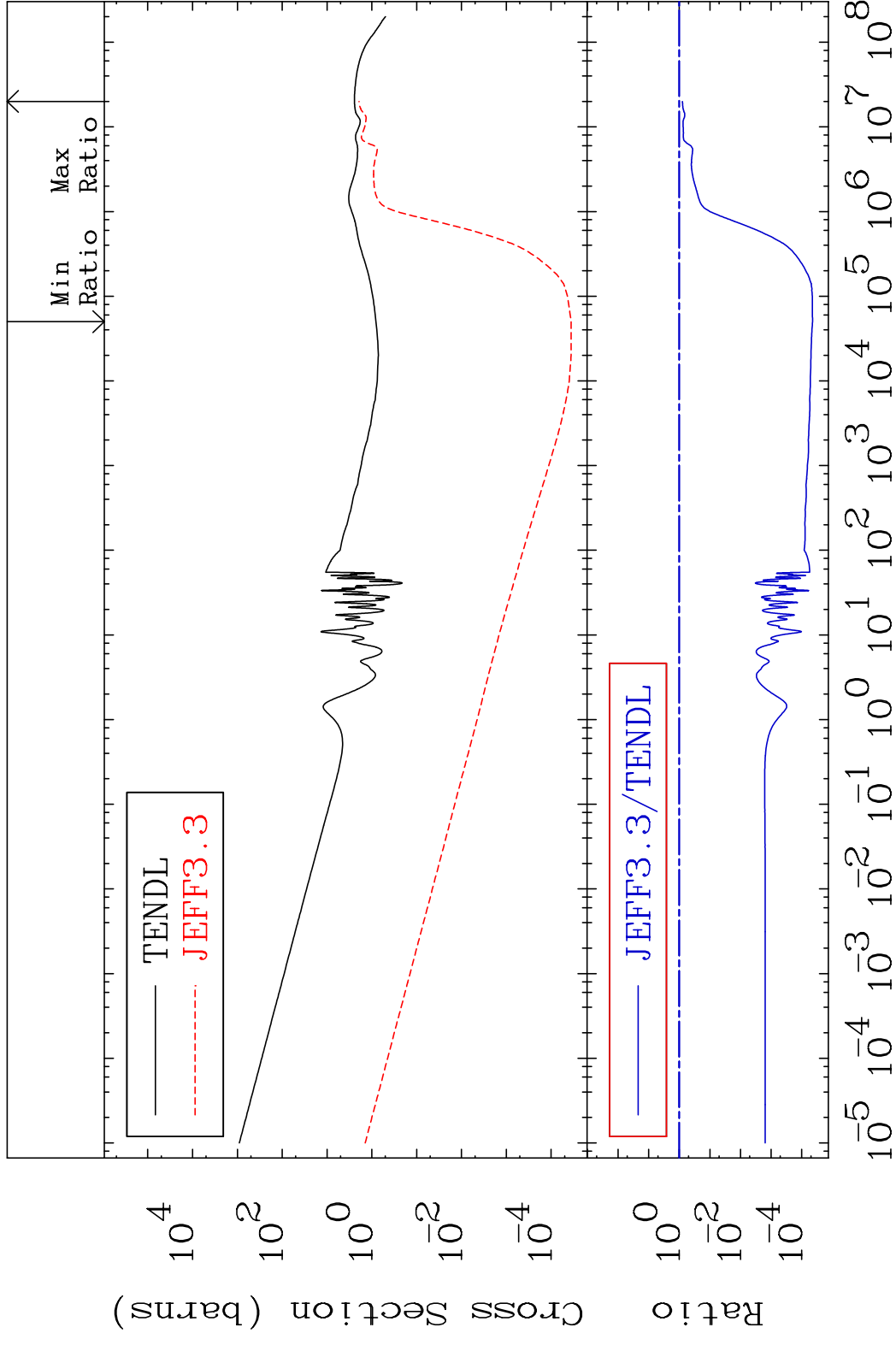
MAT 9352

Fission

93-Np-239

Cross Section

-100.0 To -20.67%

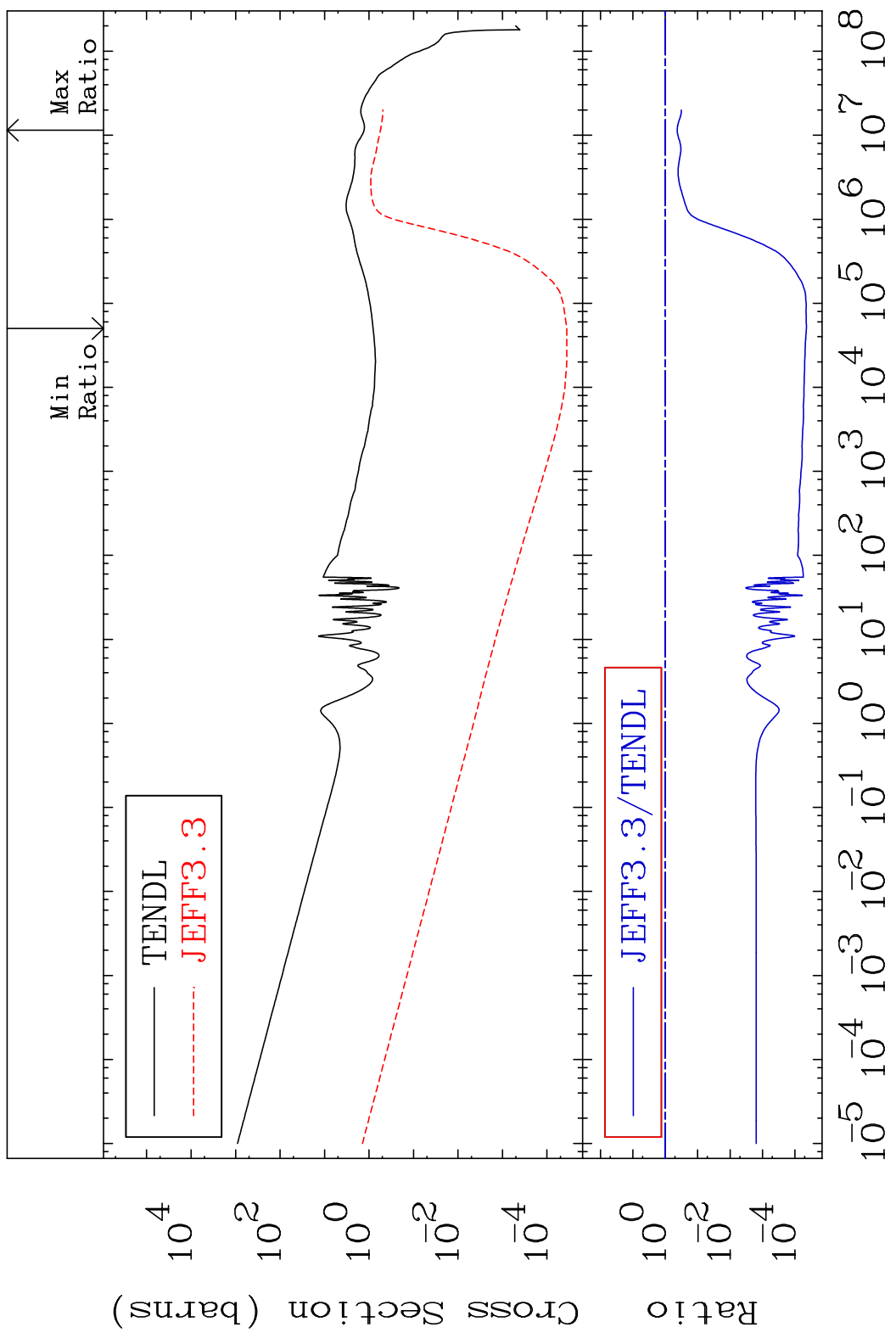


MAT 9352

(n,f) First Chance

93-Np-239

Cross Section -100.0 To -57.16%



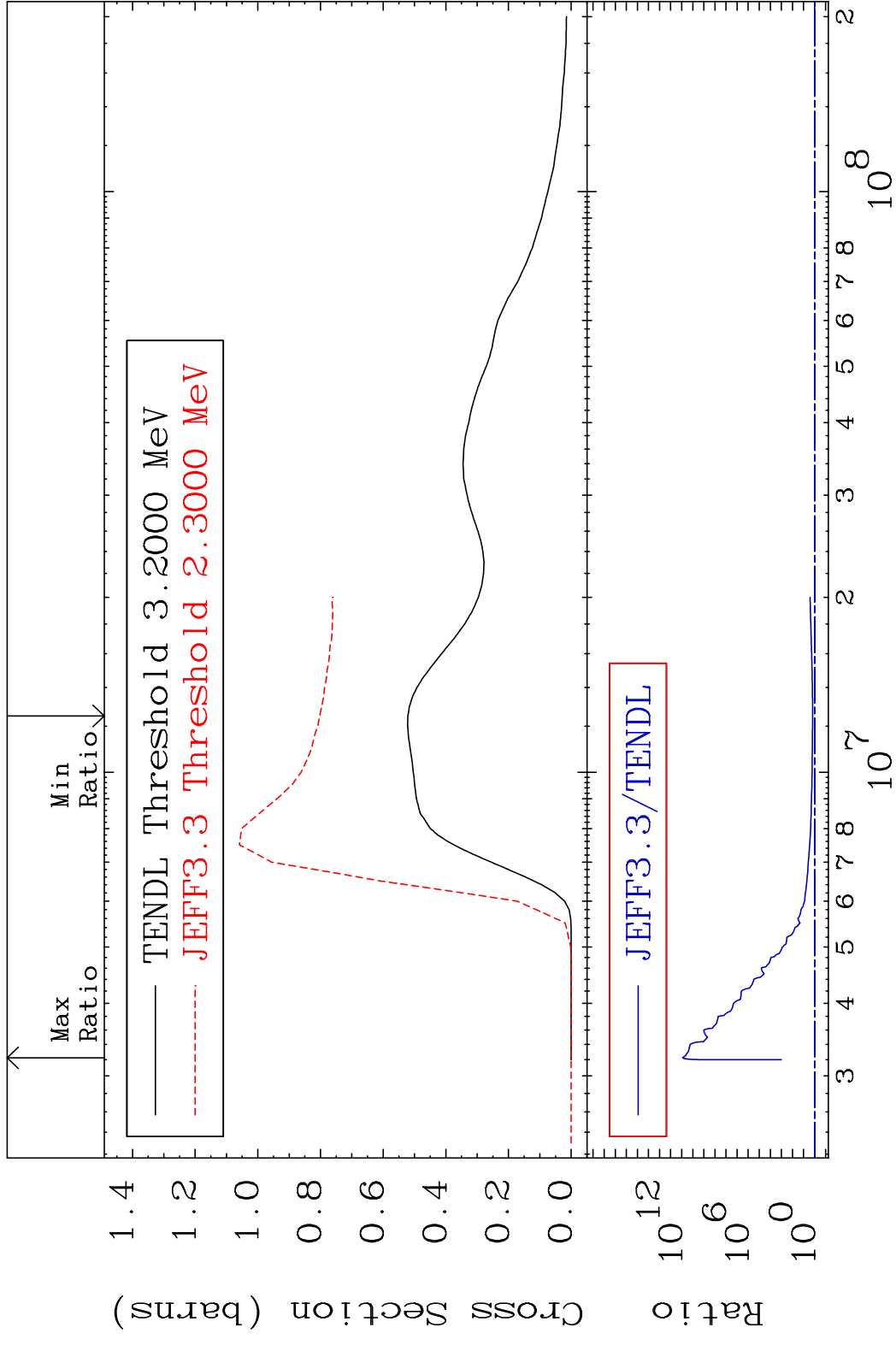
7

Incident Energy (eV)

93-Np-239

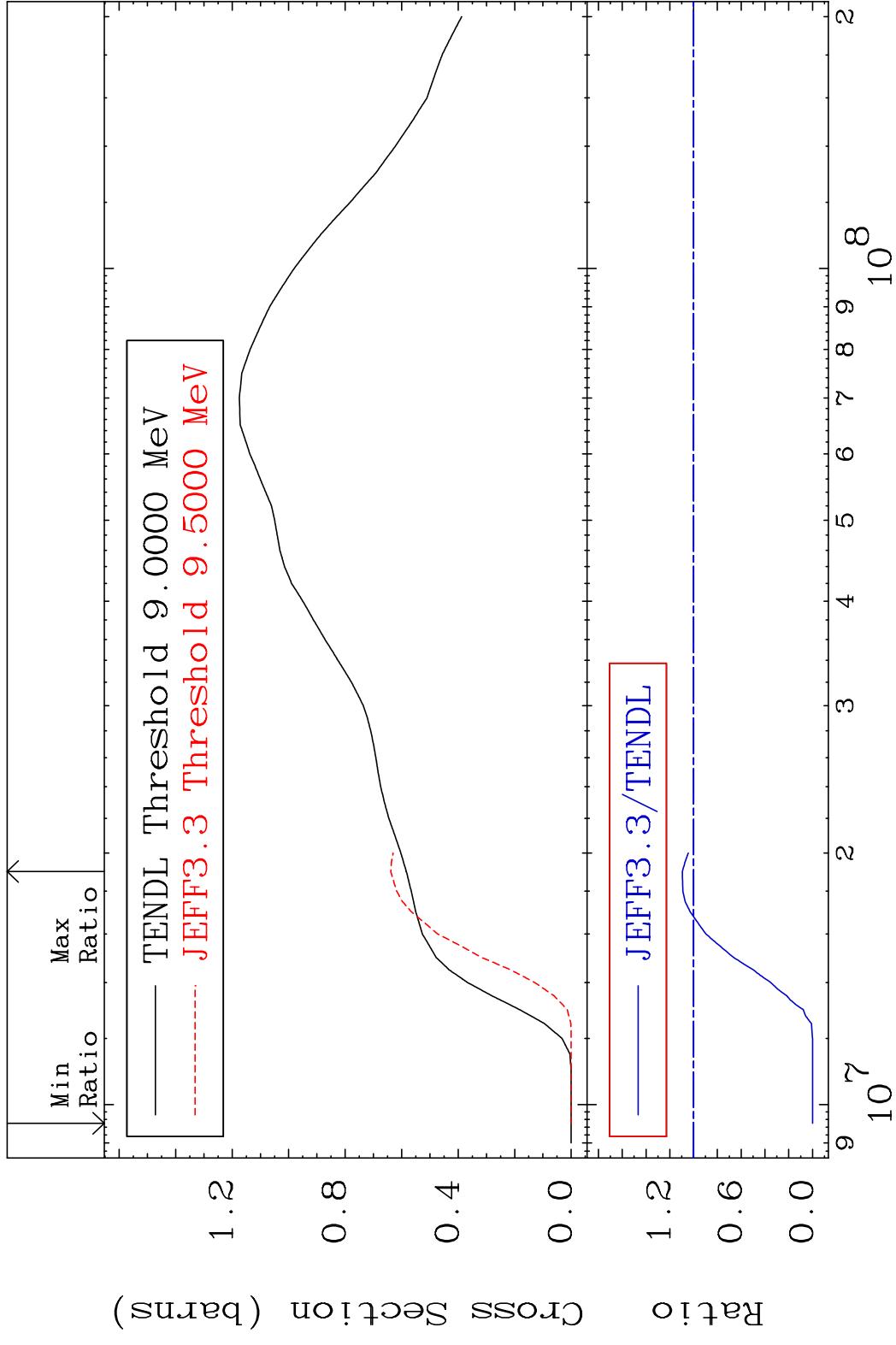
MAT 9352

(n, nf) Second Chance 93-Np-239
Cross Section 53.92 To 9999. %



MAT 9352

(n,2nf) Third Chance 93-Np-239
Cross Section -100.0 To 9.454 %



9

Incident Energy (eV)

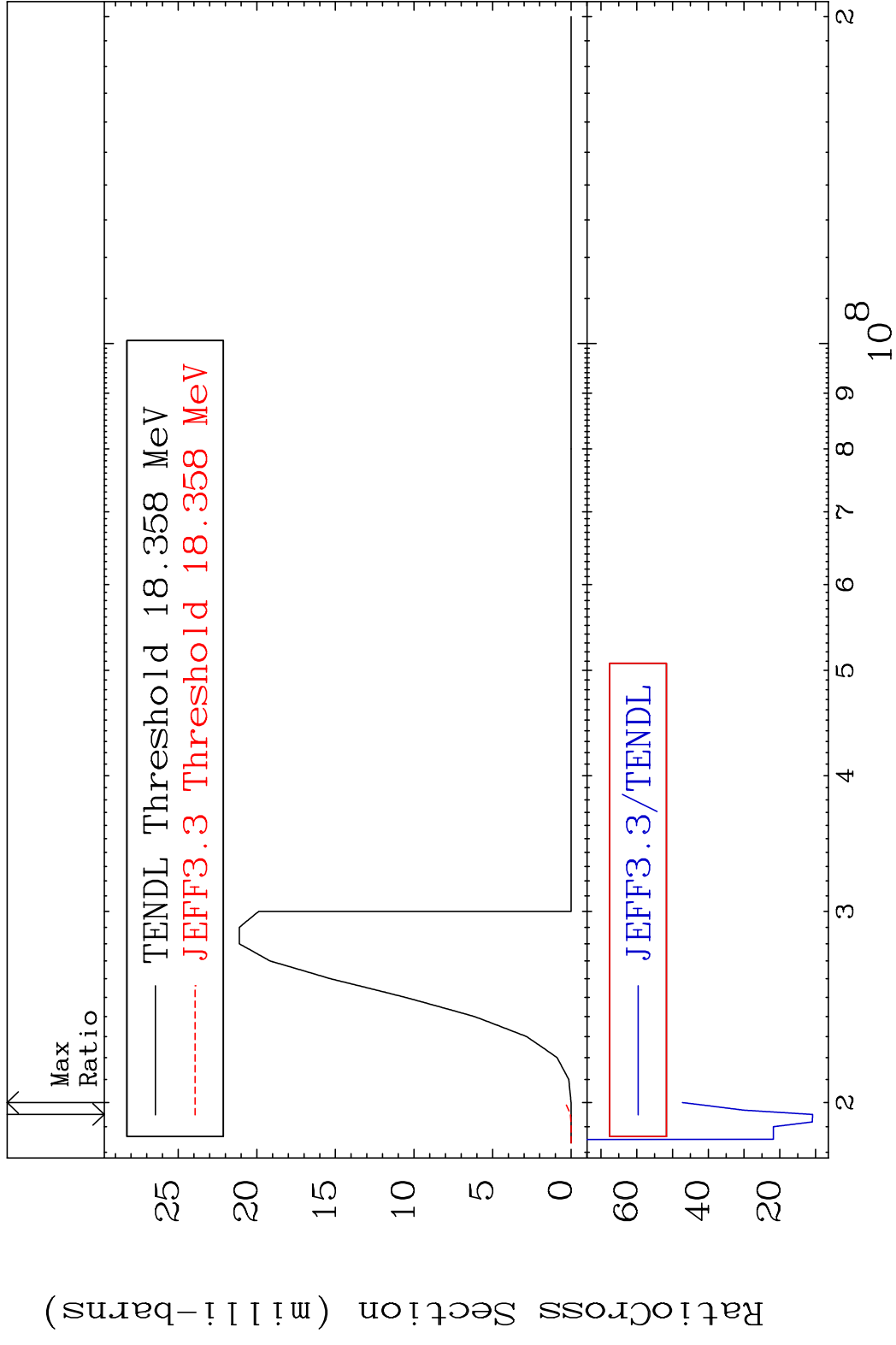
93-Np-239

MAT 9352

(n,4n)

93-Np-239

Cross Section 984.9 To 4625. %

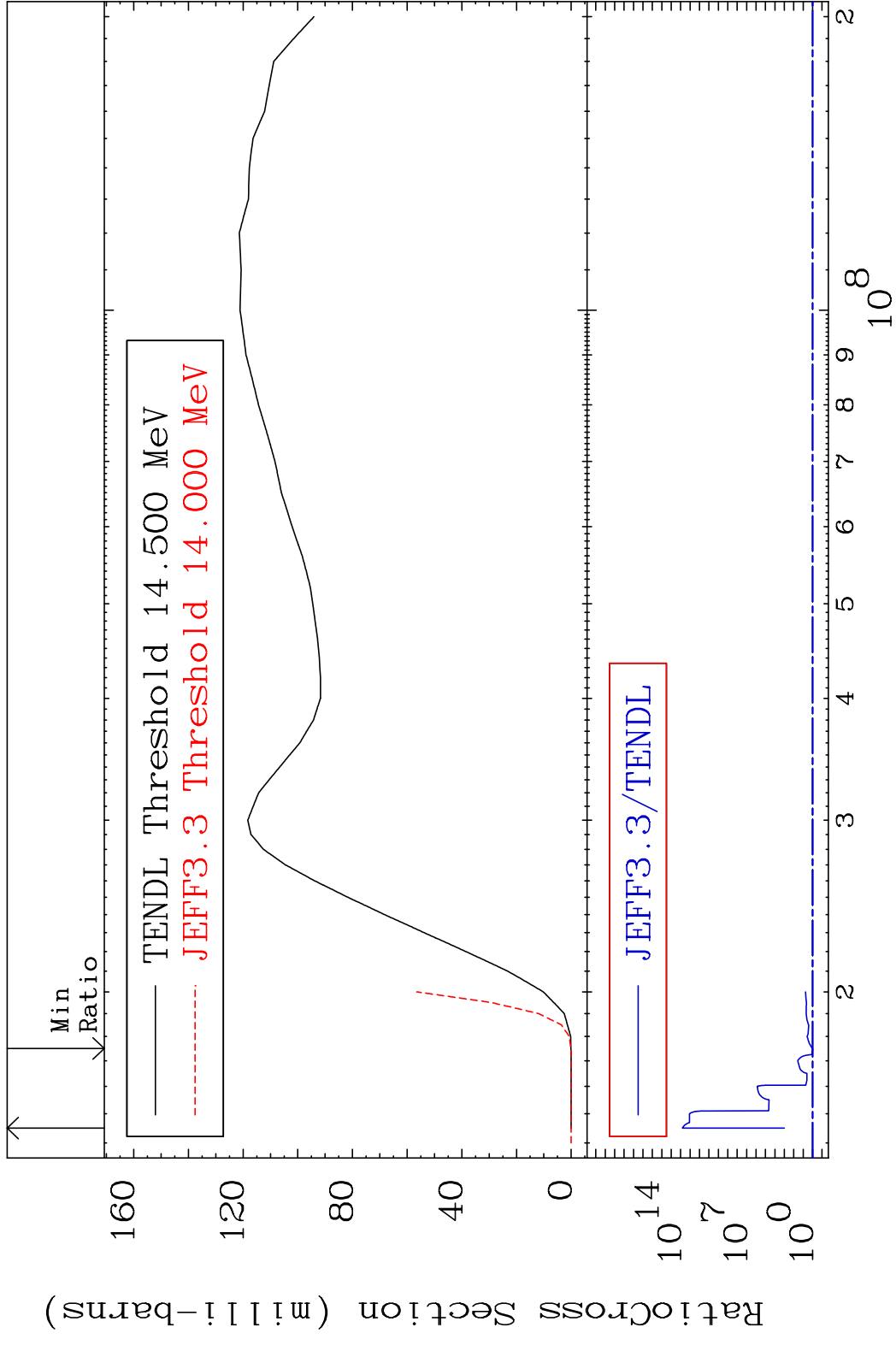


10

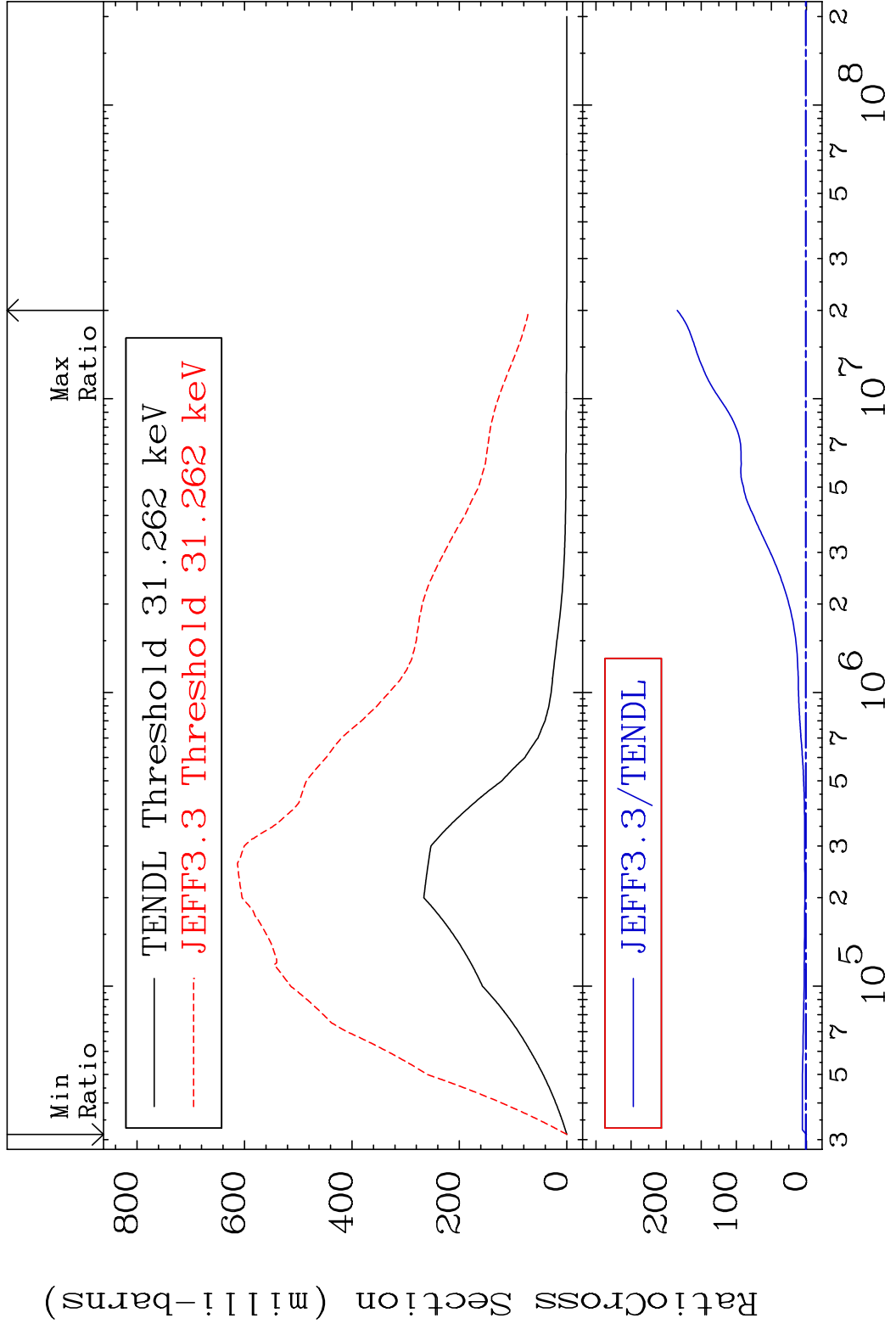
Incident Energy (eV)

93-Np-239

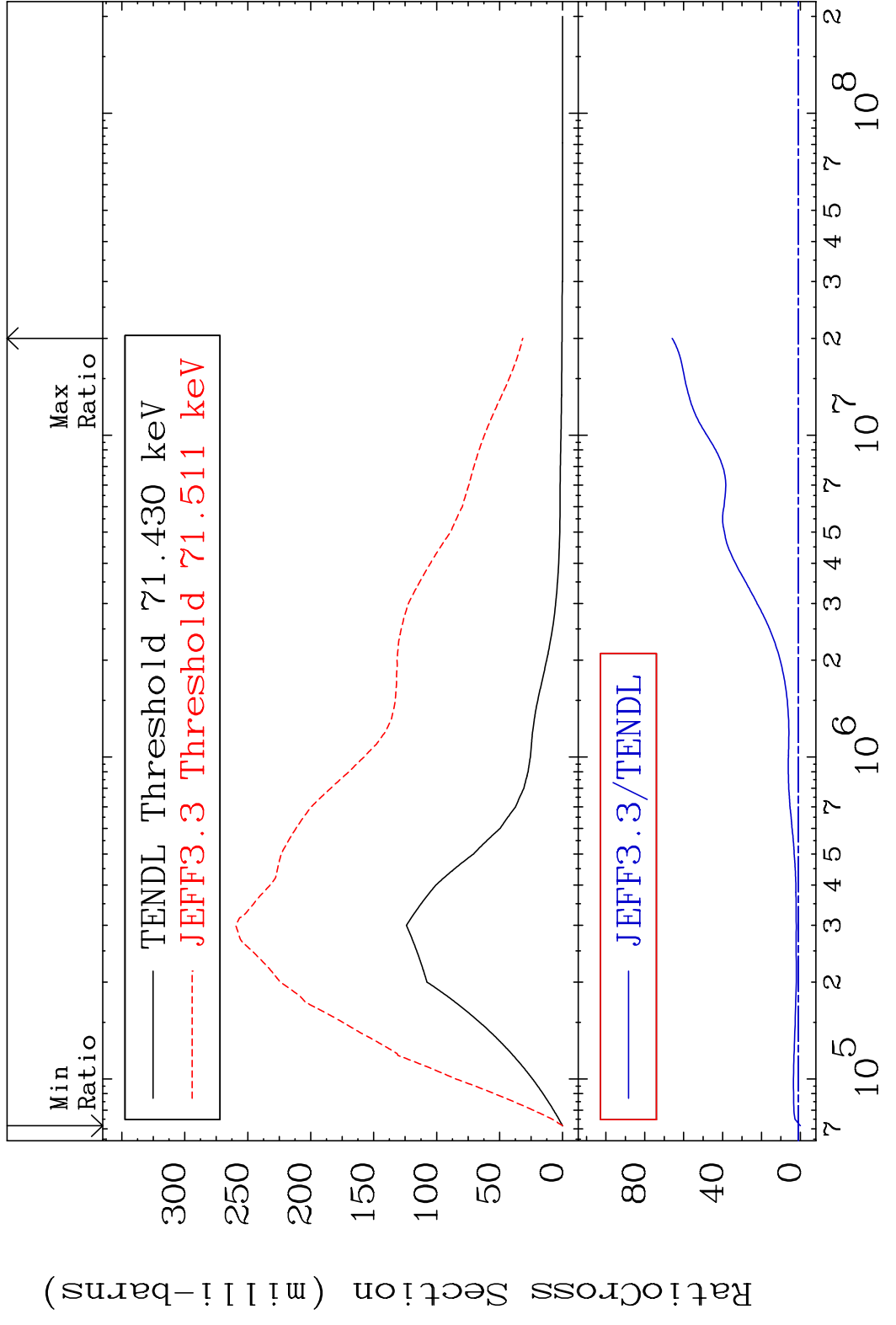
MAT 9352 (n,3nf) Fourth Chance 93-Np-239
 Cross Section 0.293 To 9999. %



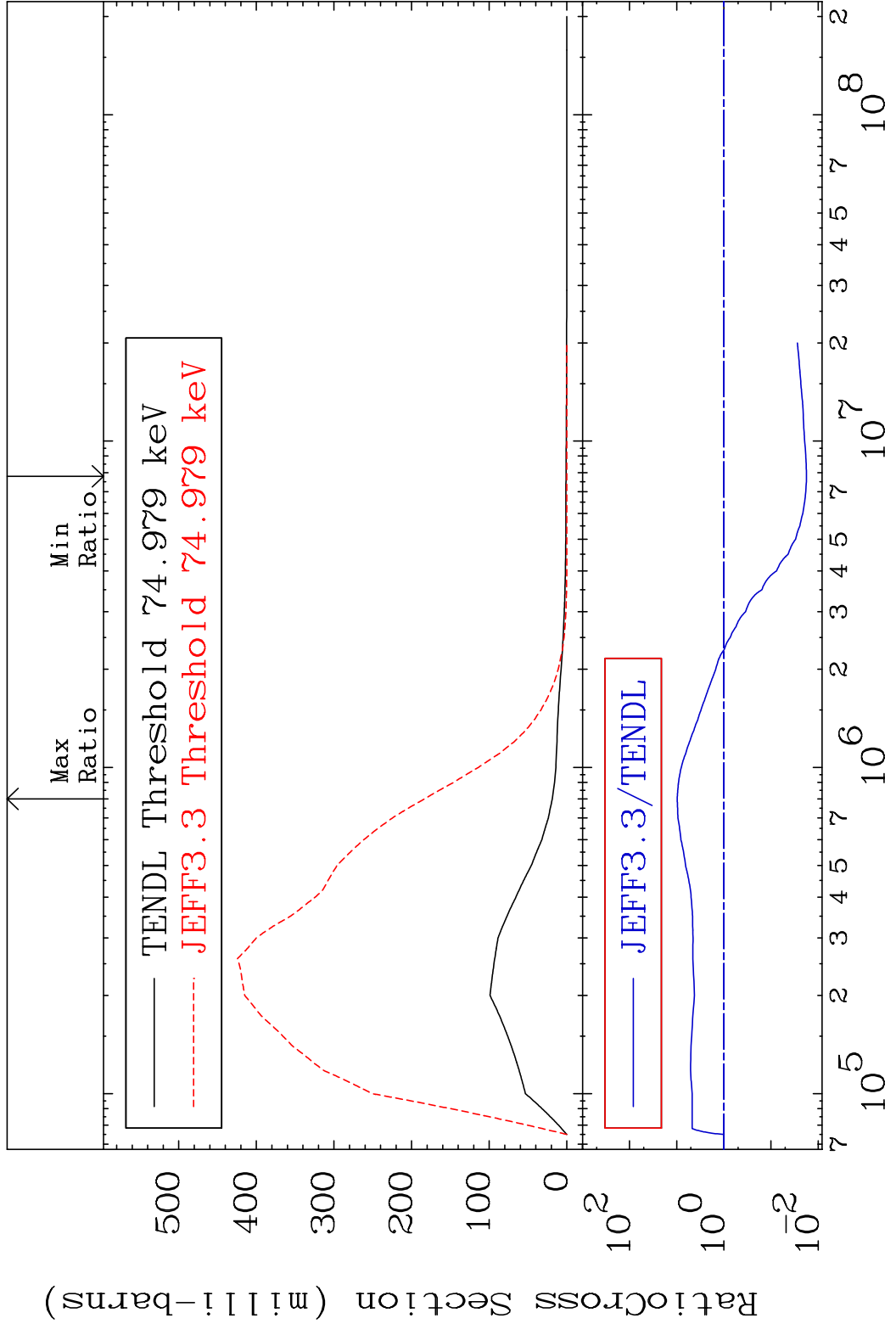
MAT 9352 MT= 51 (n, n') Level 93-Np-239
 Cross Section -100.0 To 9999. %



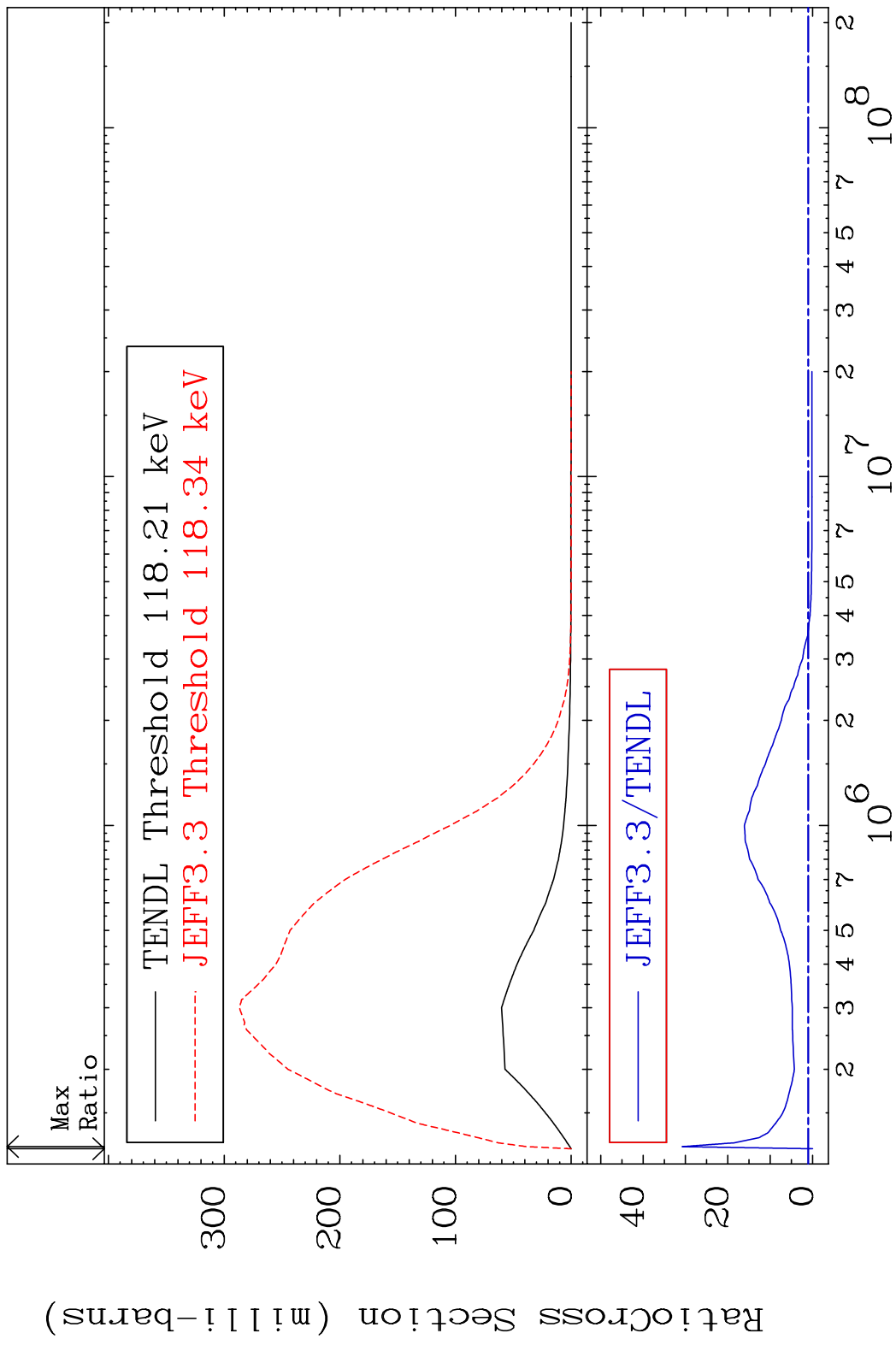
MAT 9352 MT= 52 (n, n') Level 93-Np-239
 Cross Section -100.0 To 6497. %



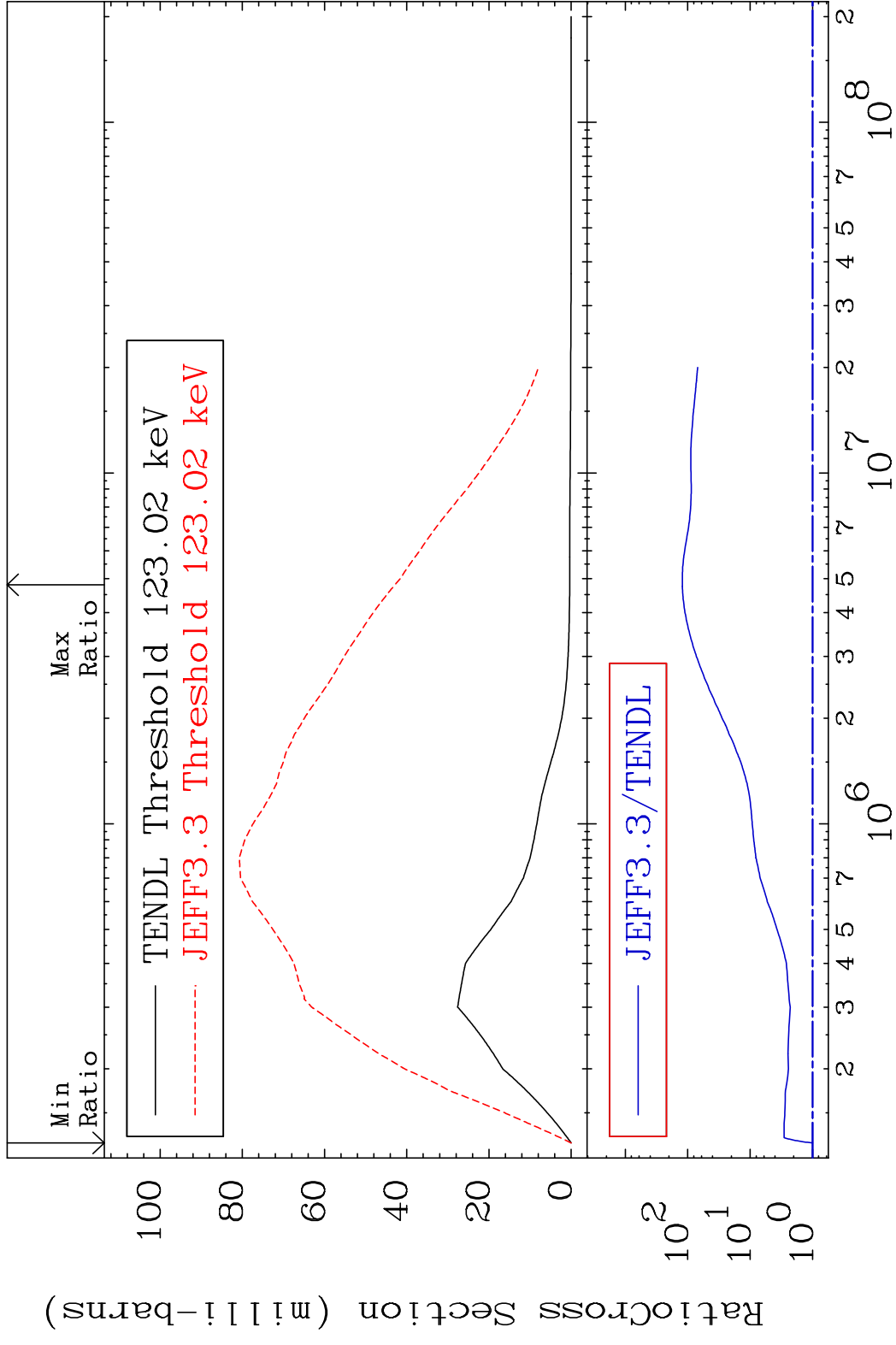
MAT 9352 MT= 53 (n, n') Level 93-Np-239
 Cross Section -98.22 To 875.4 %



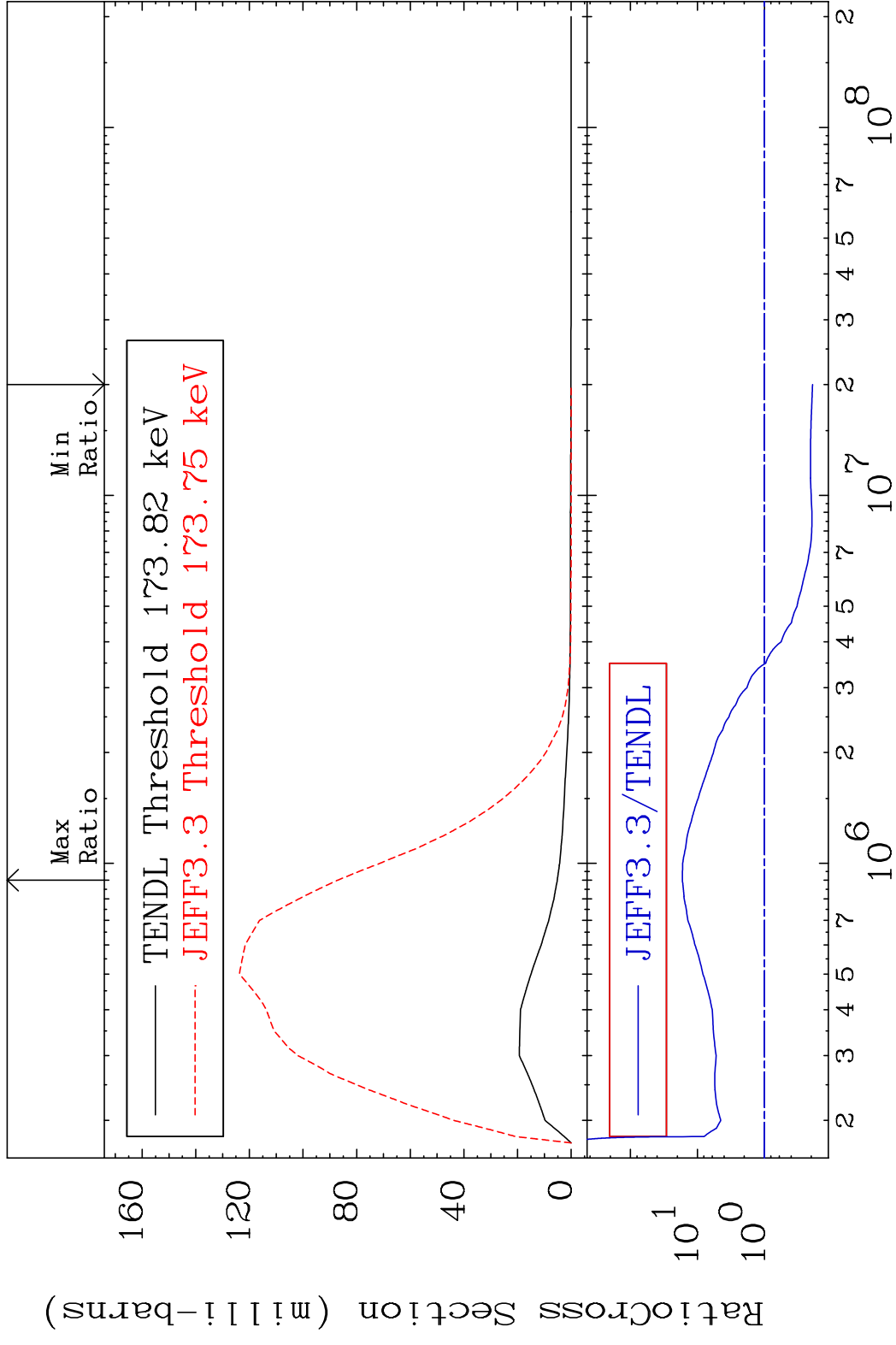
MAT 9352 MT= 54 (n,n') Level 93-Np-239
 Cross Section -100.0 To 2973. %



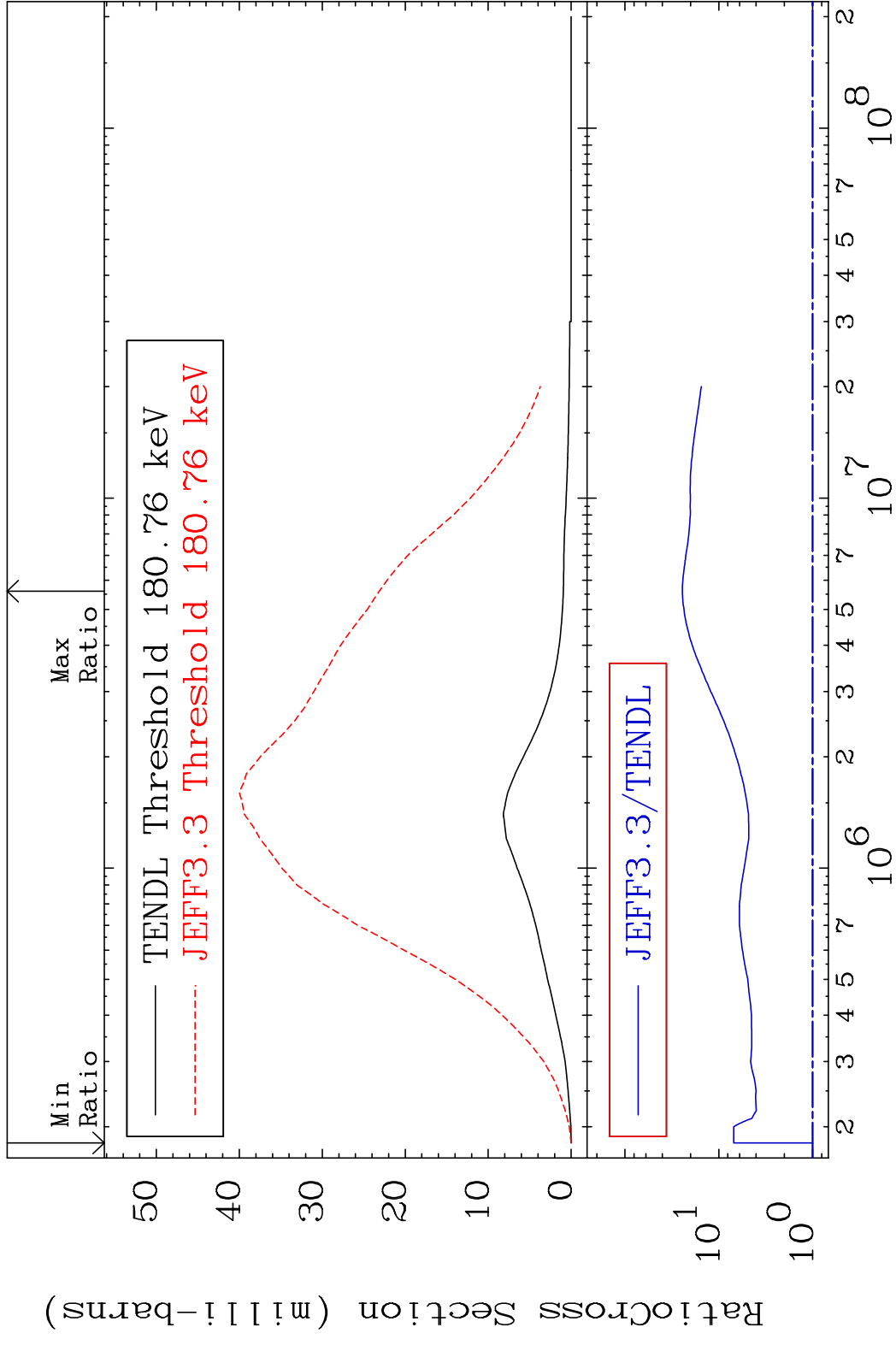
MAT 9352 MT= 55 (n, n') Level 93-Np-239
 Cross Section 0.000 To 9999. %



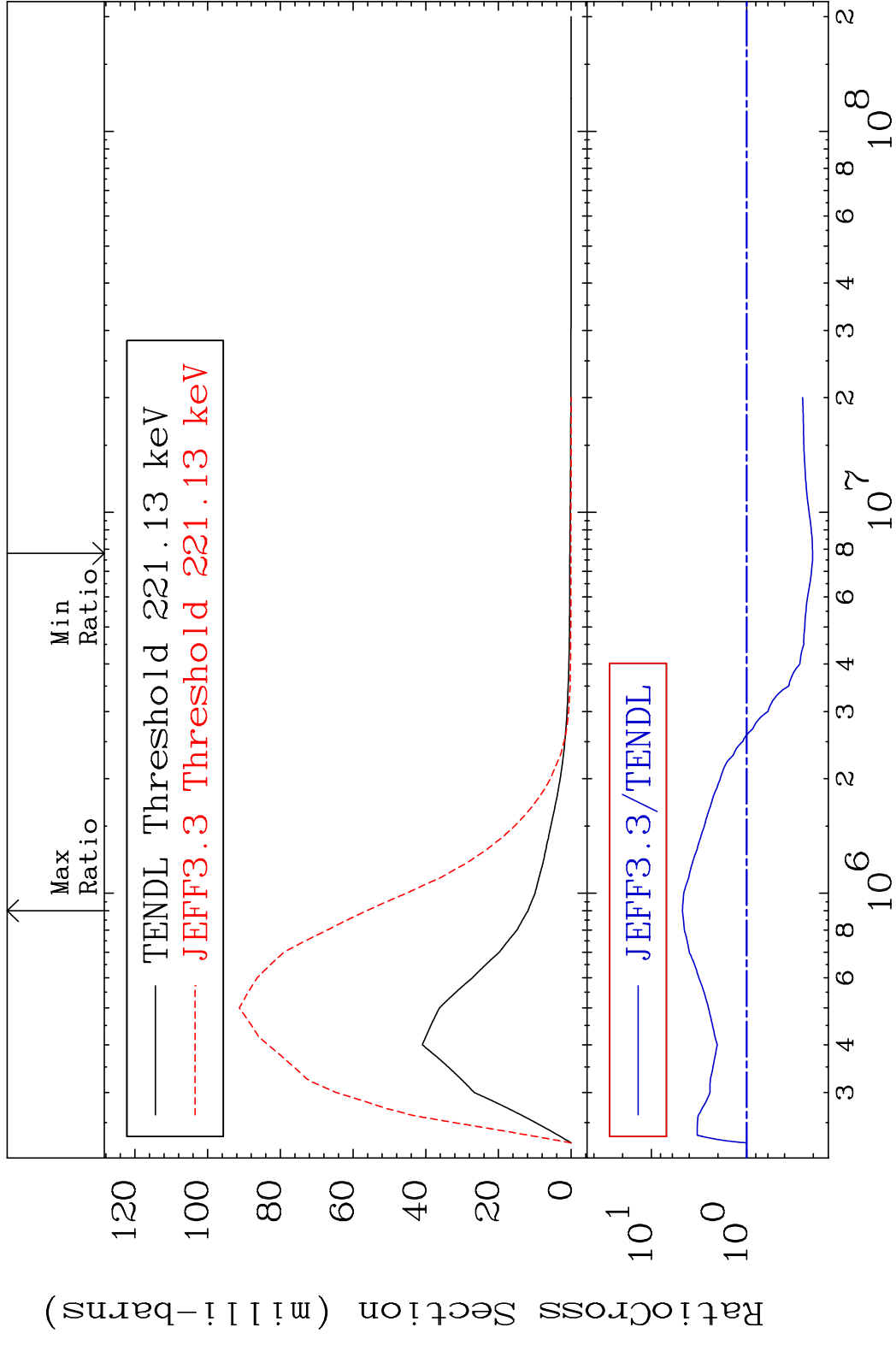
MAT 9352 MT= 56 (n, n') Level 93-Np-239
 Cross Section -80.86 To 1579. %



MAT 9352 MT= 57 (n, n') Level 93-Np-239
 Cross Section 0.000 To 2346. %



MAT 9352 MT= 58 (n, n') Level 93-Np-239
 Cross Section -79.64 To 372.5 %

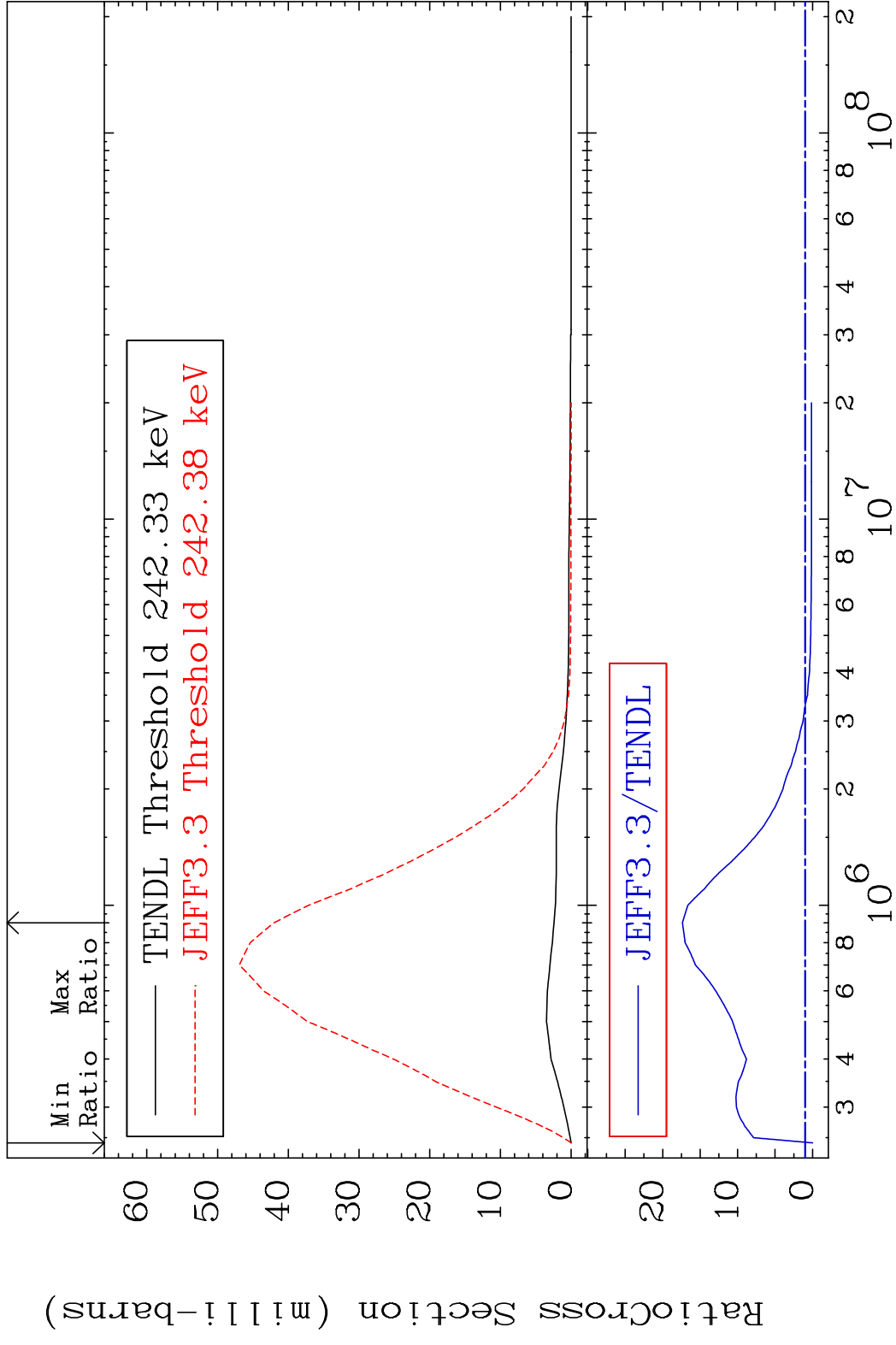


MAT 9352

MT= 59 (n, n') Level

93-Np-239

Cross Section -100.0 To 1637. %

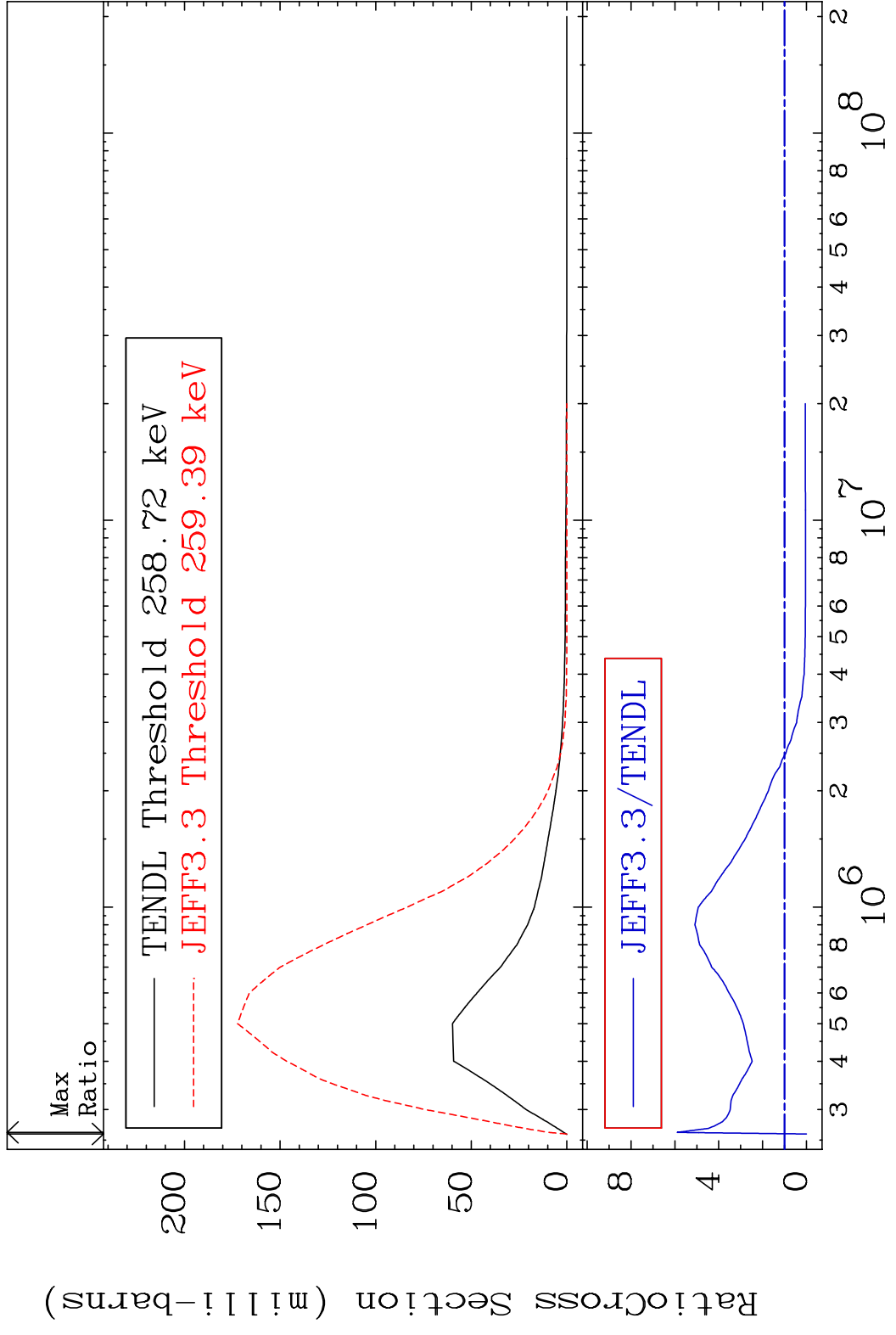


20

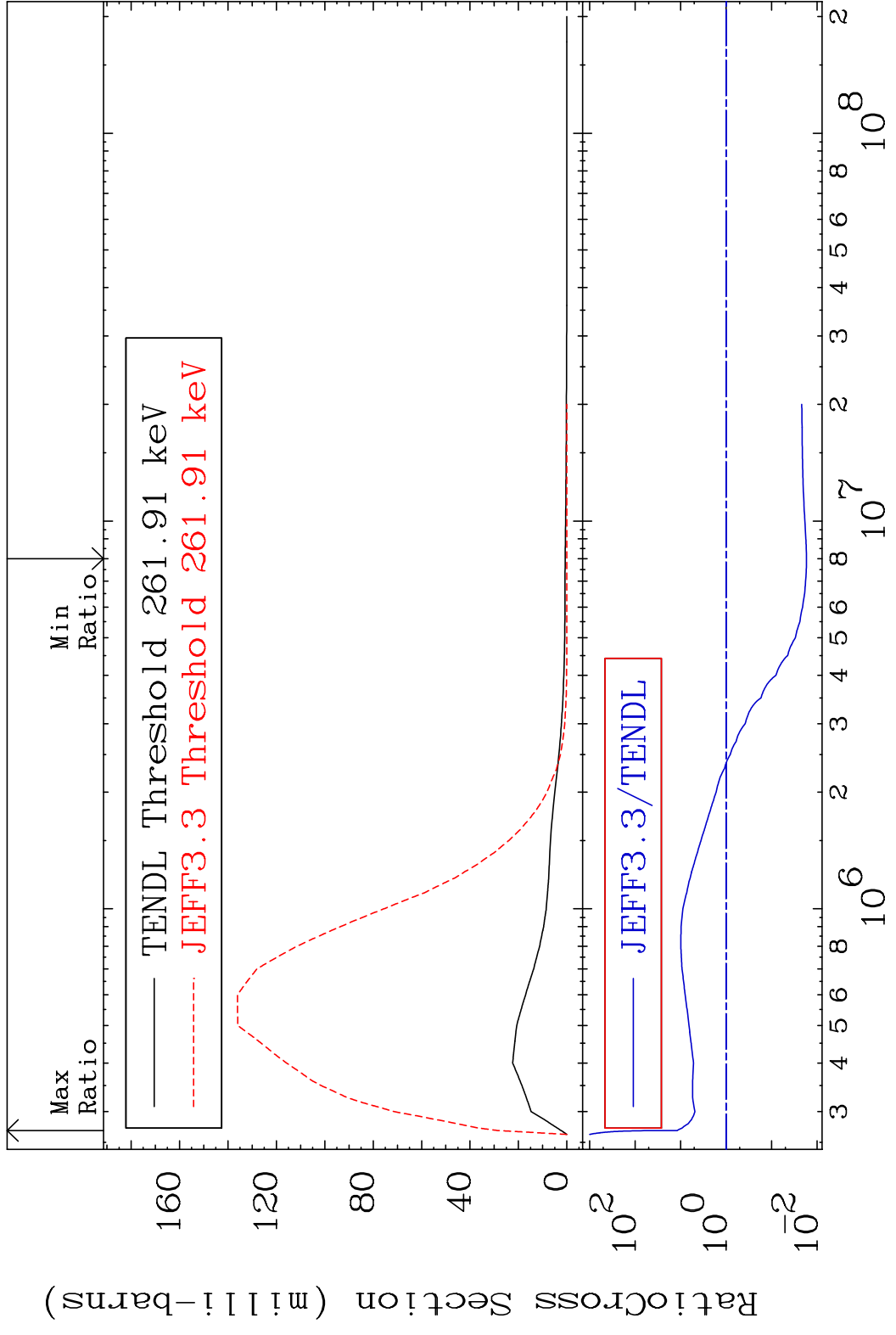
Incident Energy (eV)

93-Np-239

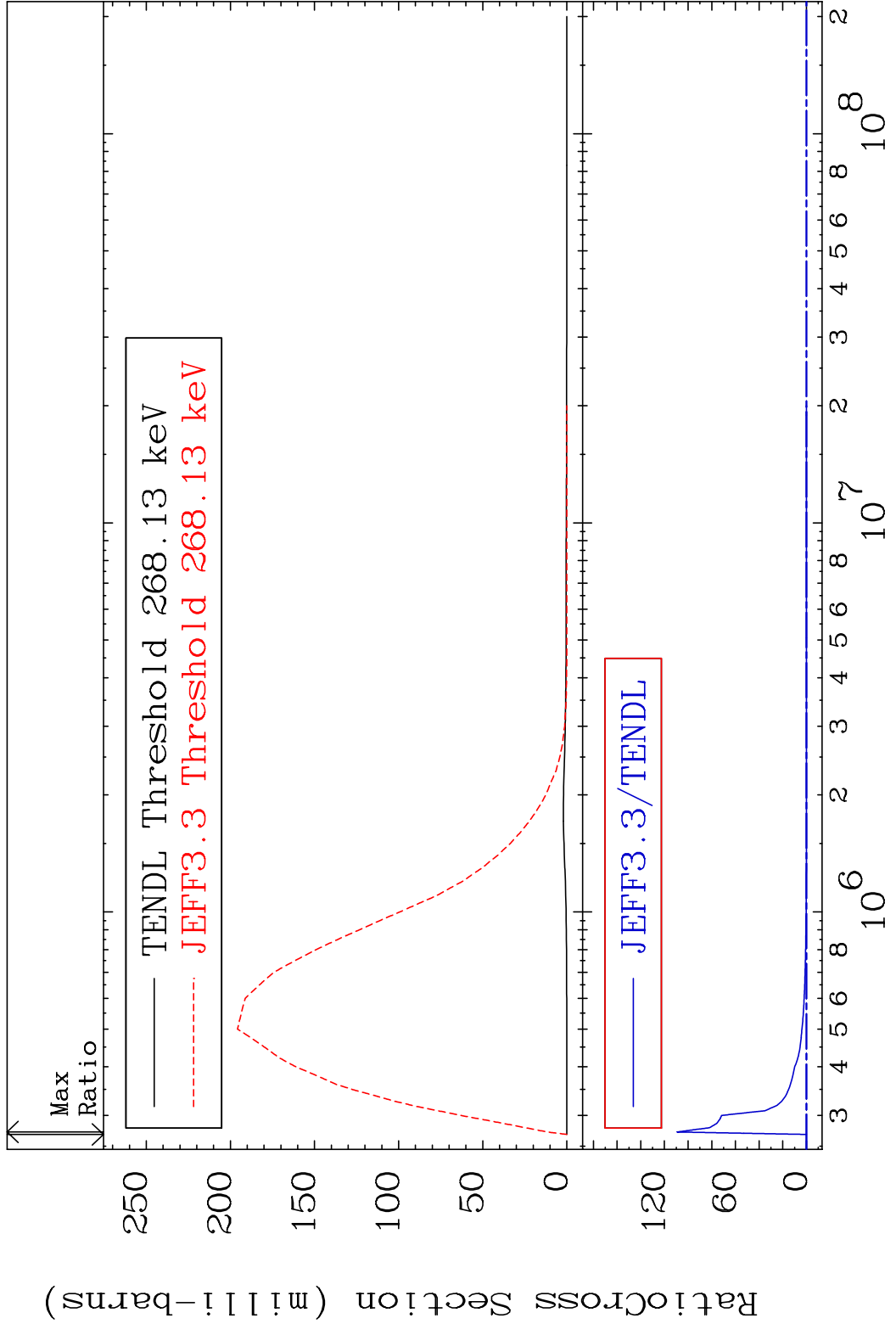
MAT 9352 MT= 60 (n, n') Level 93-Np-239
 Cross Section -100.0 To 489.6 %



MAT 9352 MT= 61 (n, n') Level 93-Np-239
 Cross Section -98.28 To 1087. %



MAT 9352 MT= 62 (n, n') Level 93-Np-239
 Cross Section -100.0 To 9999. %

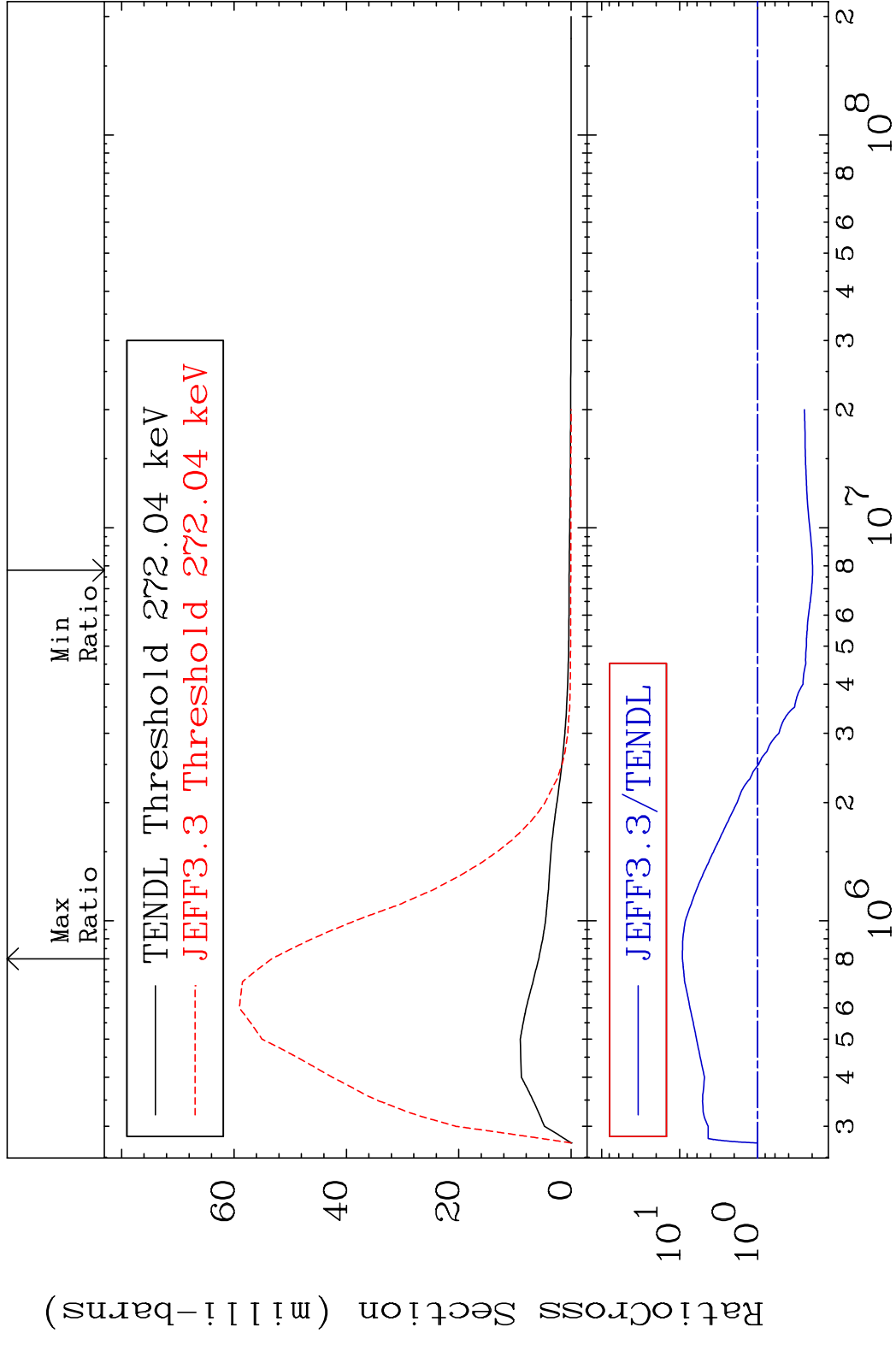


MAT 9352

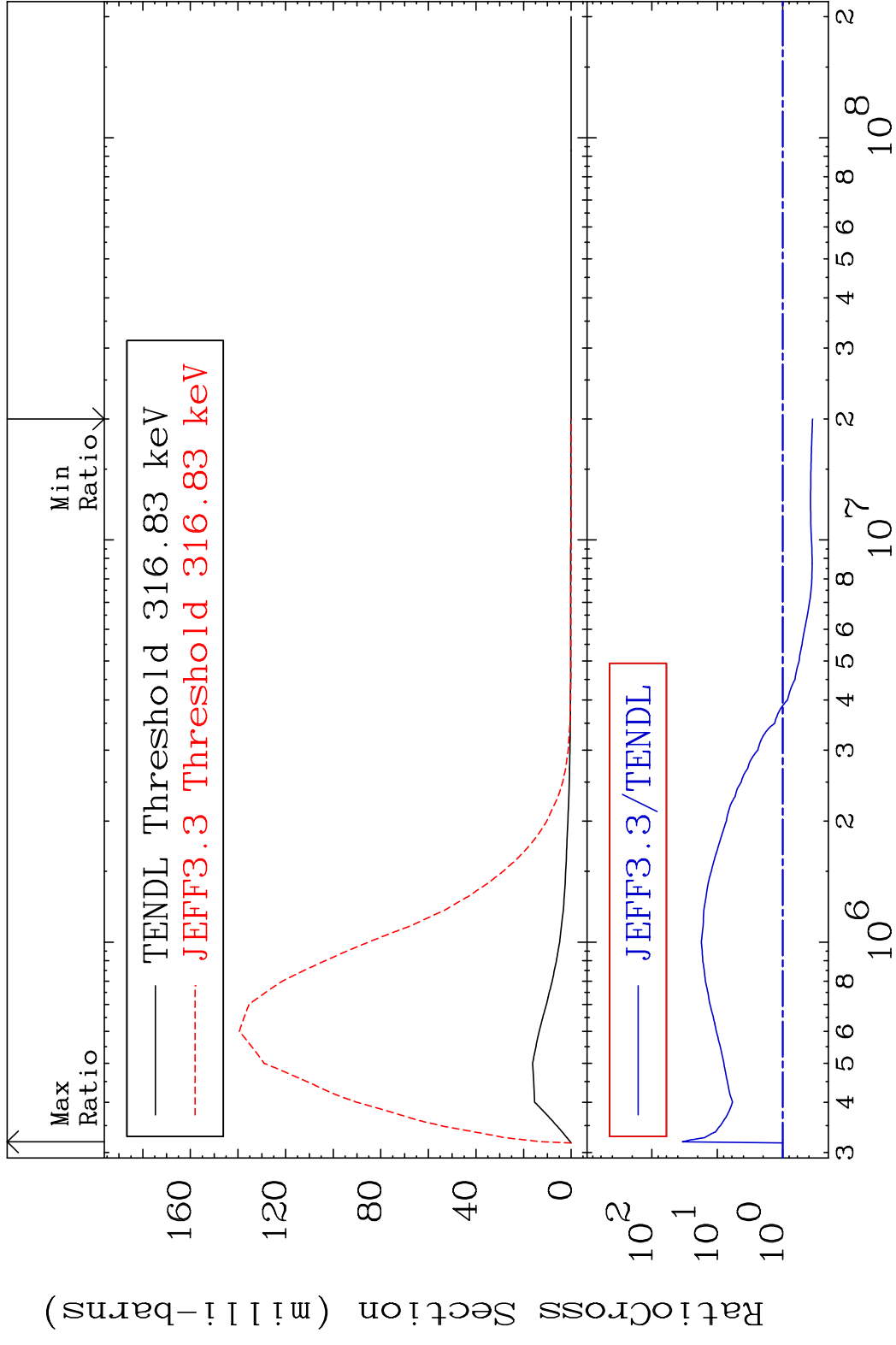
MT= 63 (n, n') Level

93-Np-239

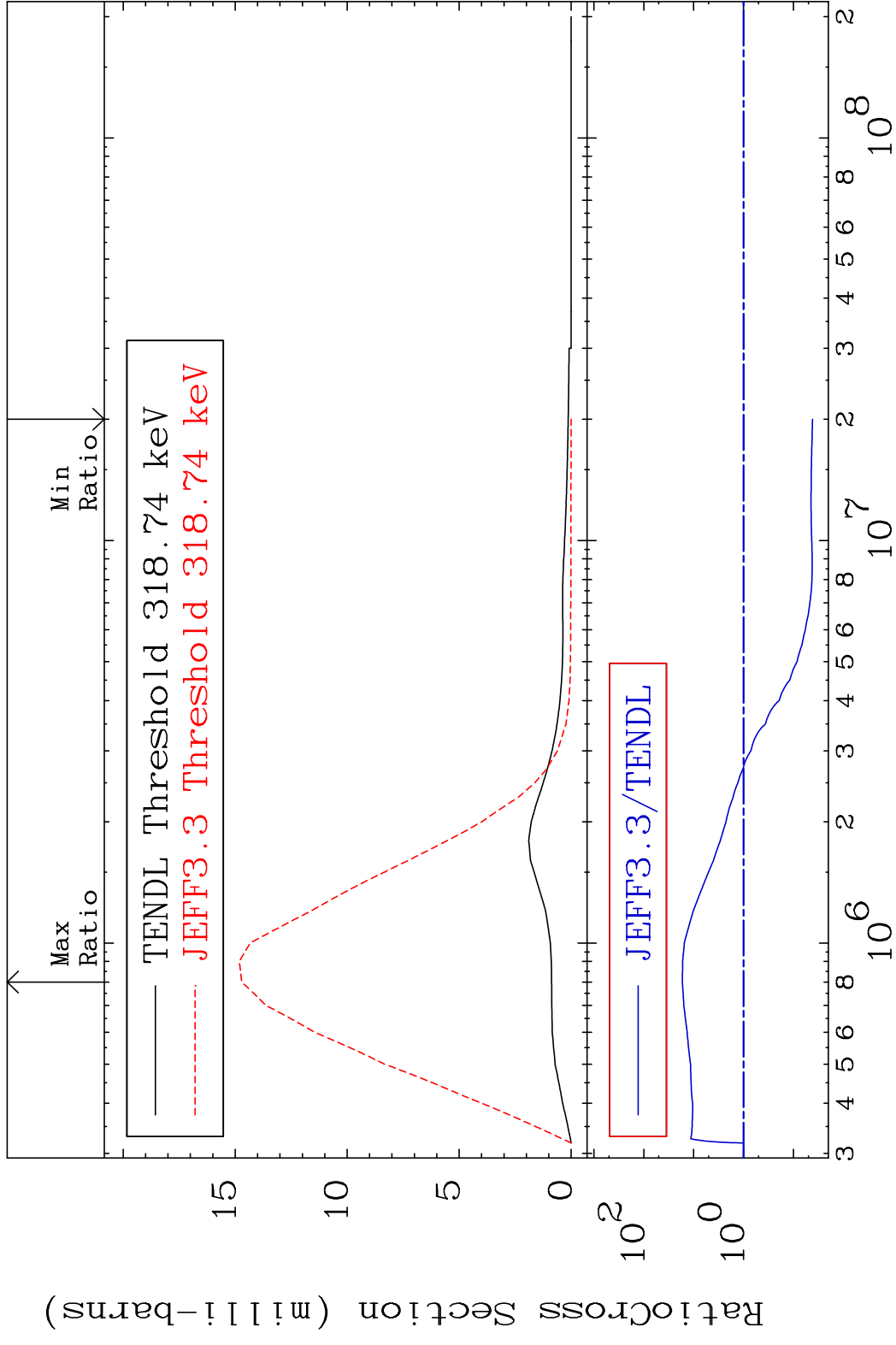
Cross Section -80.22 To 821.7 %



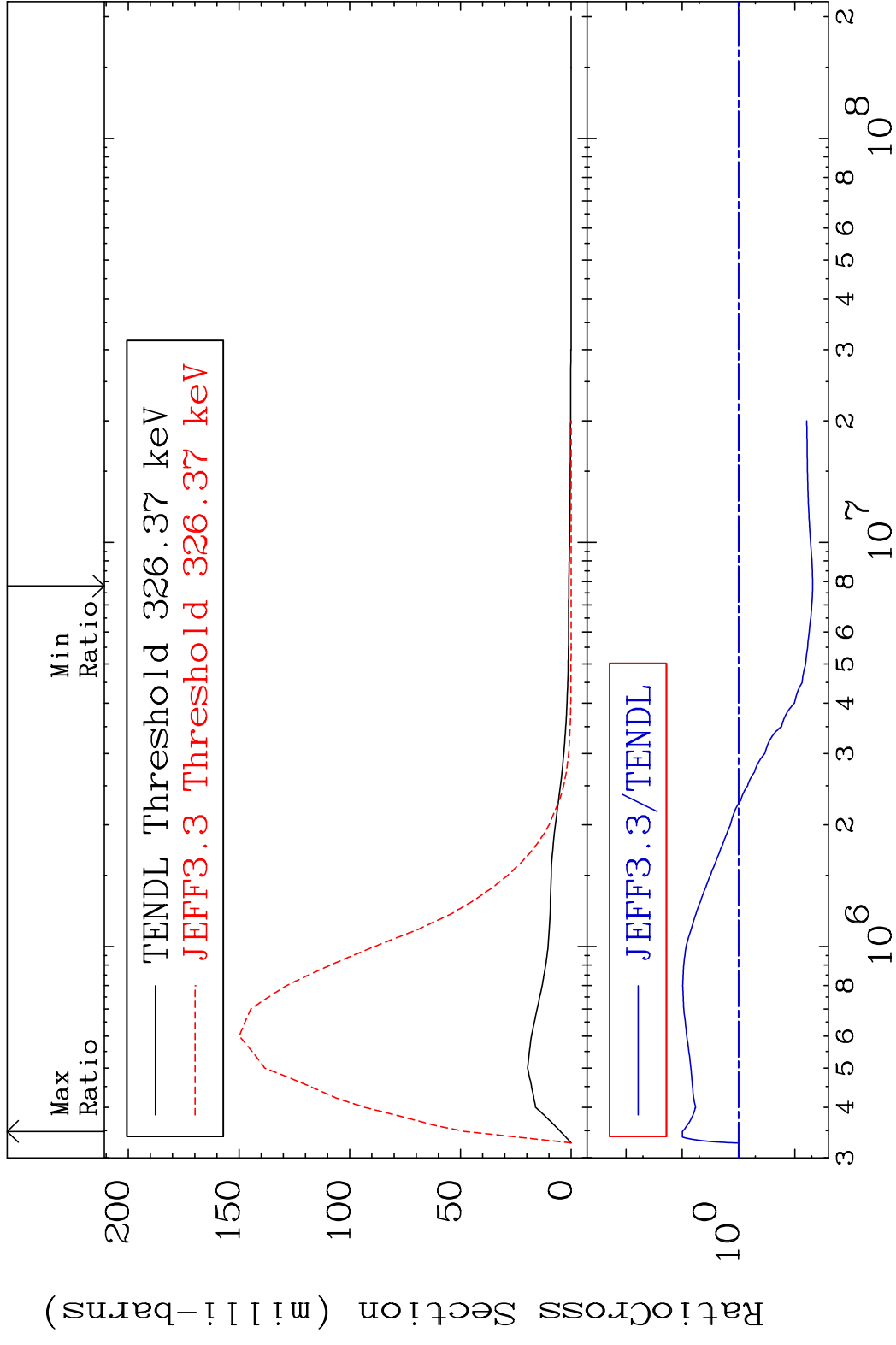
MAT 9352 MT= 64 (n, n') Level 93-Np-239
 Cross Section -64.82 To 3321. %



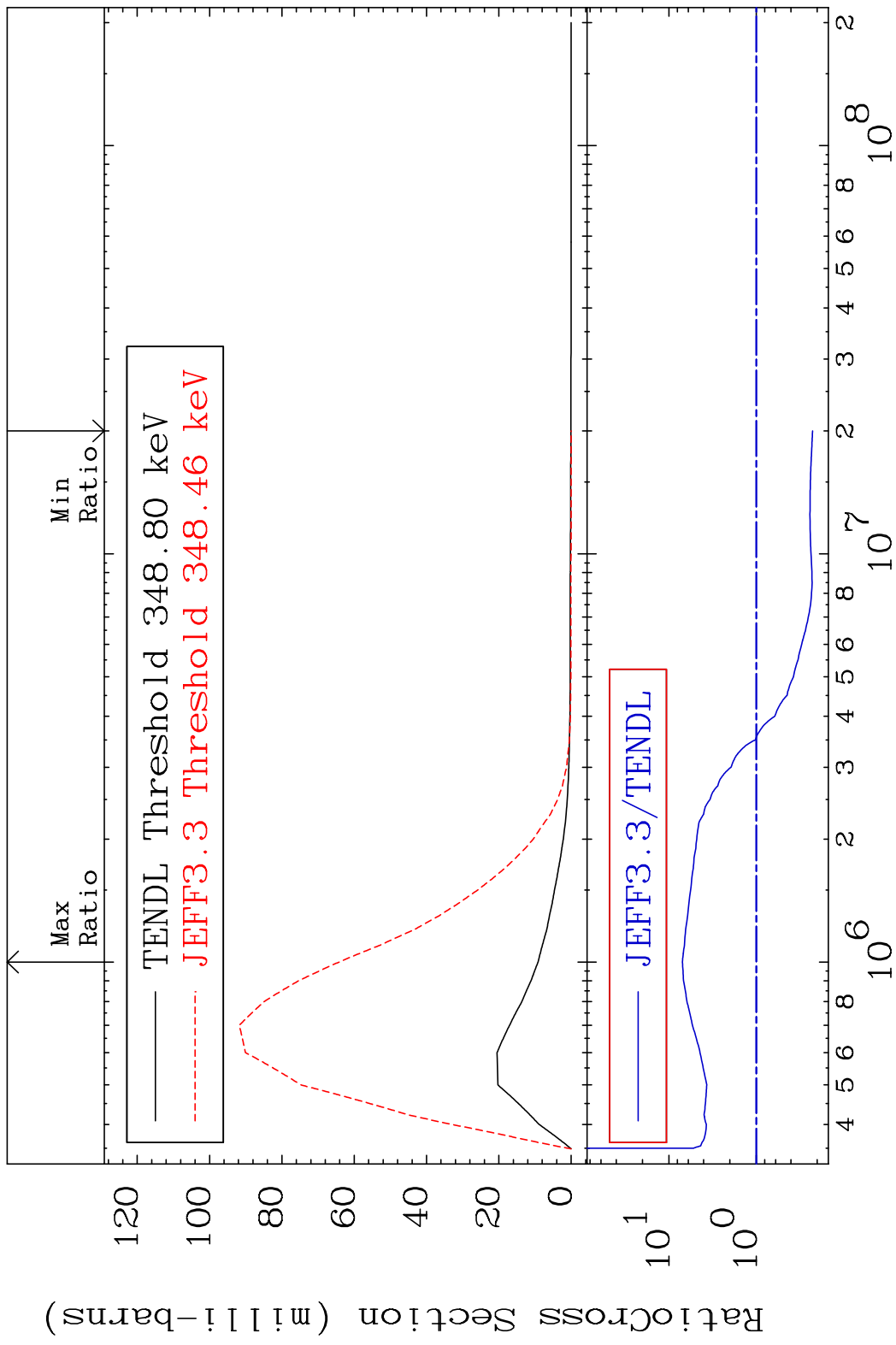
MAT 9352 MT= 65 (n, n') Level 93-Np-239
 Cross Section -95.86 To 1584. %



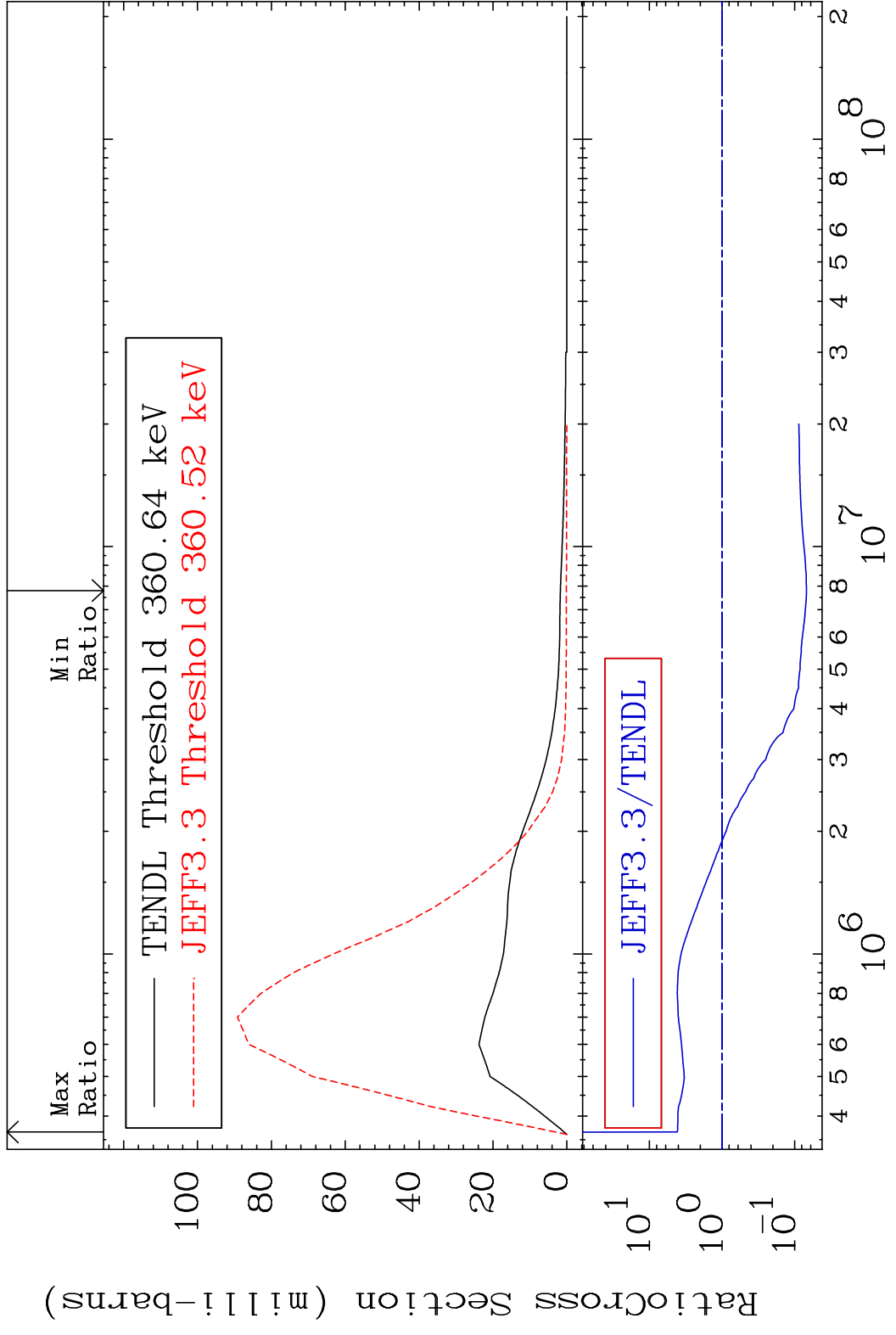
MAT 9352 MT= 66 (n, n') Level 93-Np-239
 Cross Section -95.17 To 896.7 %



MAT 9352 MT= 67 (n, n') Level 93-Np-239
 Cross Section -77.37 To 600.5 %



MAT 9352 MT= 68 (n, n') Level 93-Np-239
 Cross Section -93.10 To 315.5 %

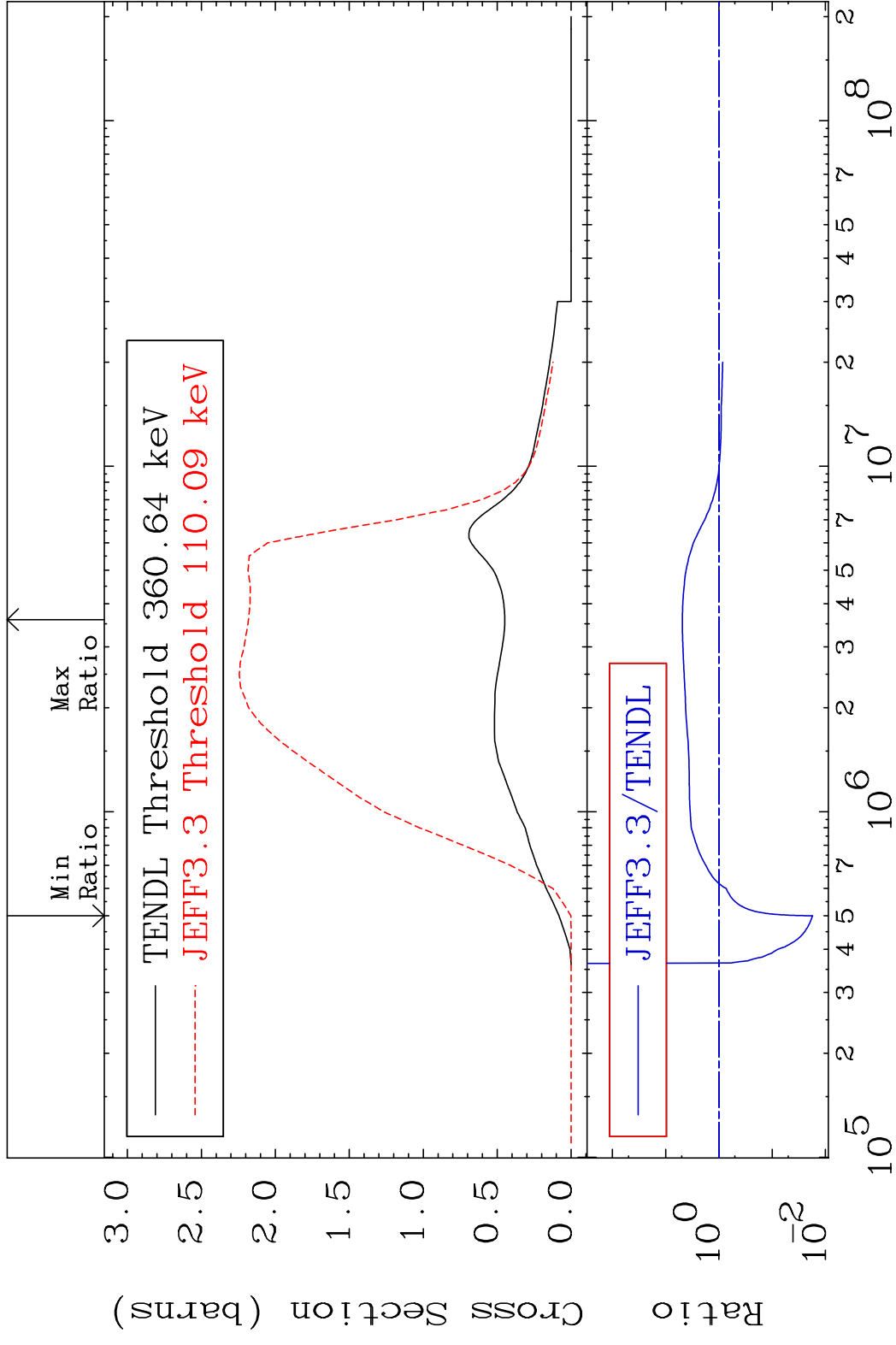


MAT 9352

(n, n') Continuum

93-Np-239

Cross Section -98.26 To 386.4 %



30

Incident Energy (eV)

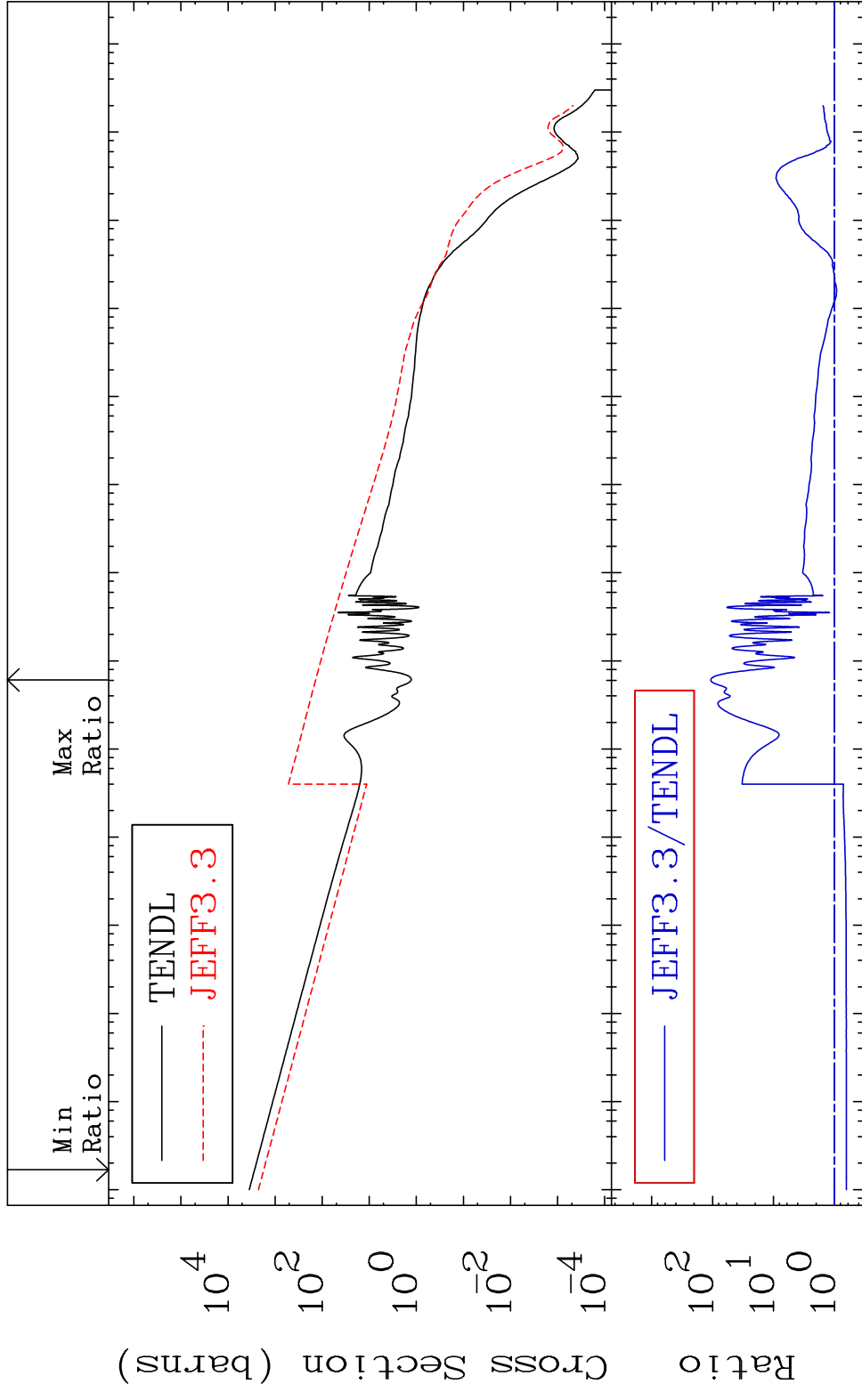
93-Np-239

MAT 9352

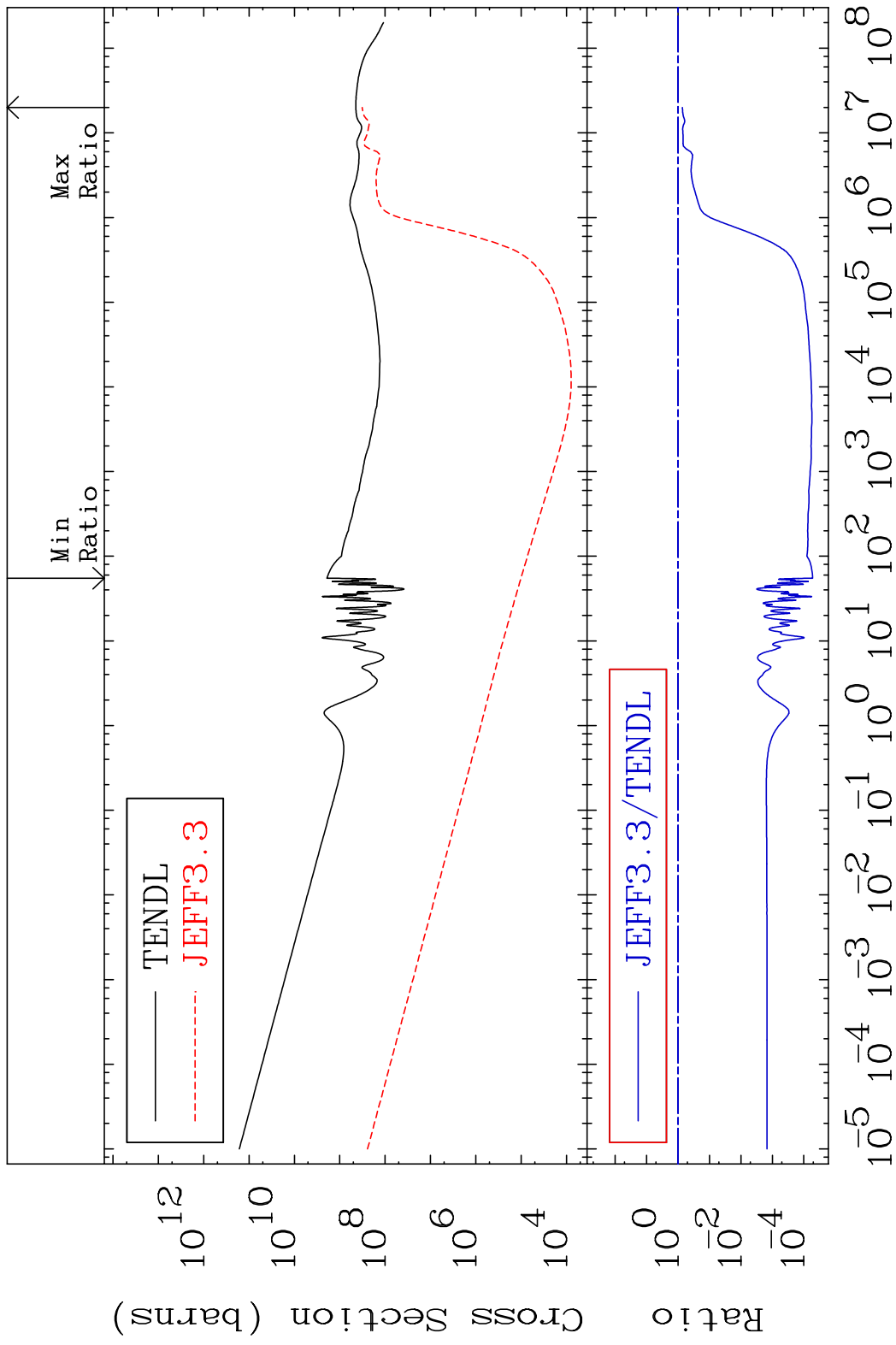
93-Np-239

(n, γ)

Cross Section -36.18 To 9999. %



MAT 9352 Kerma total (eV-barns) 93-Np-239
 Cross Section -99.99 To -27.28%

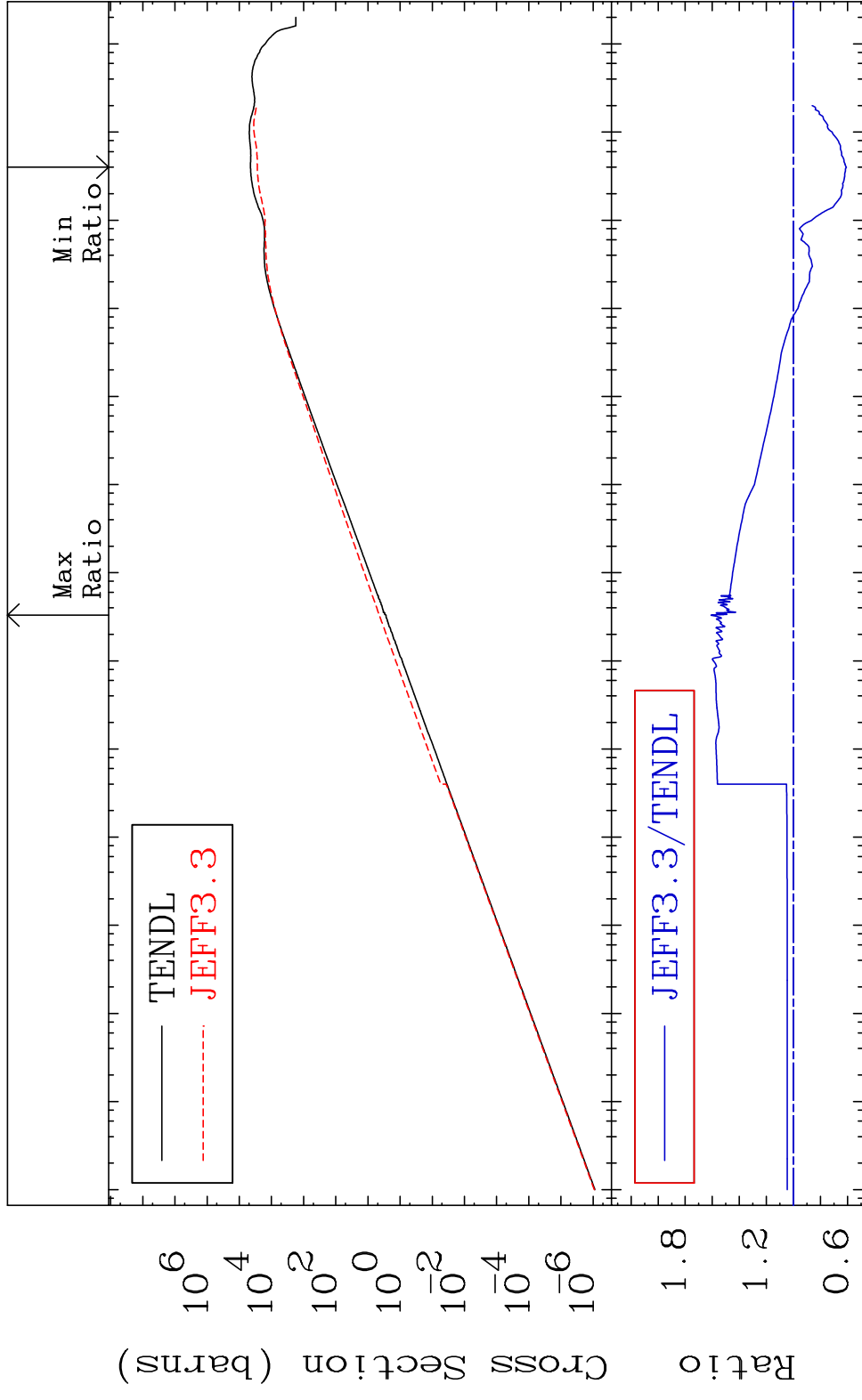


32 Incident Energy (eV) 93-Np-239

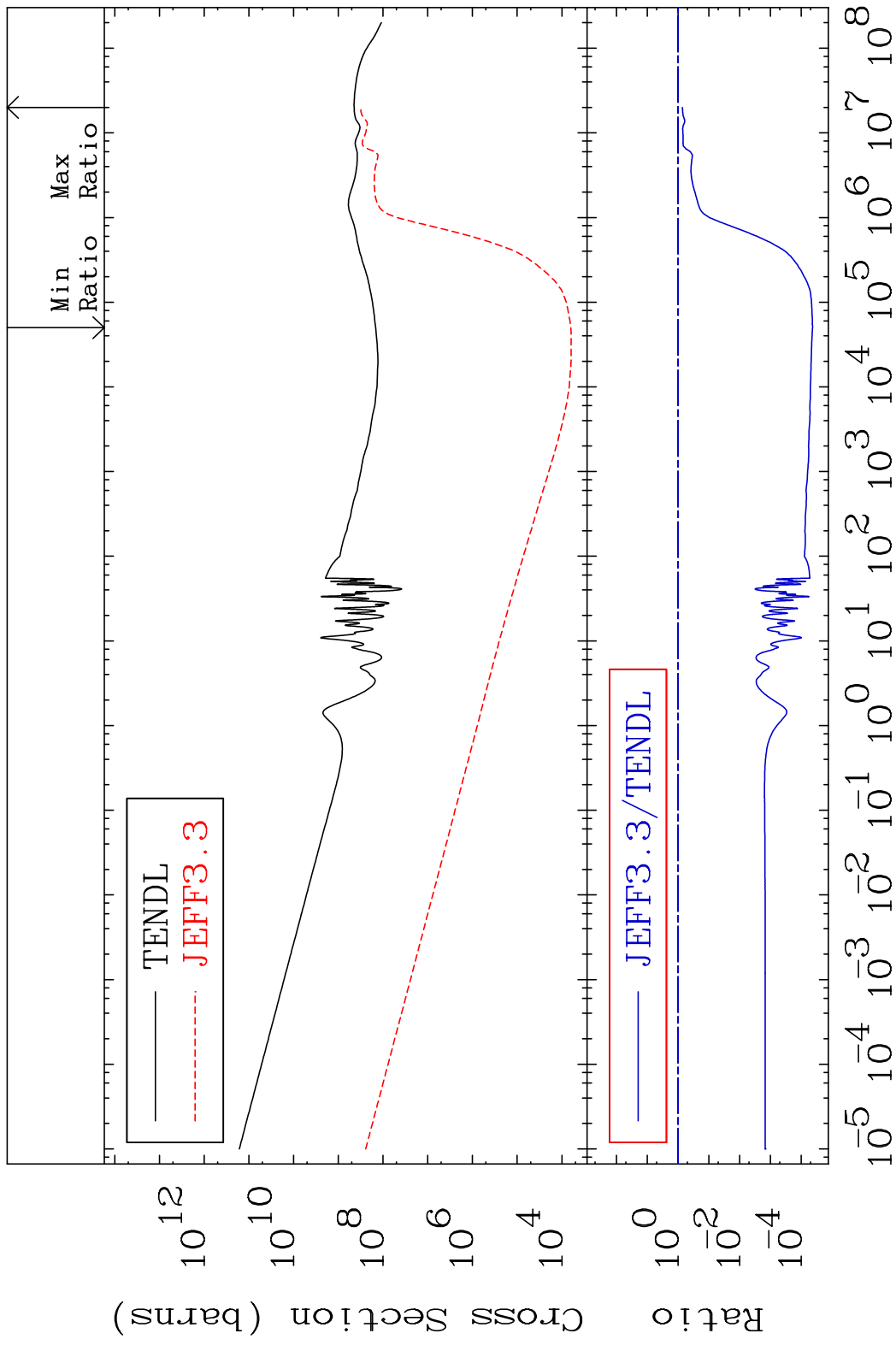
MAT 9352

Kerma elastic Cross Section -39.12 To 61.14 %

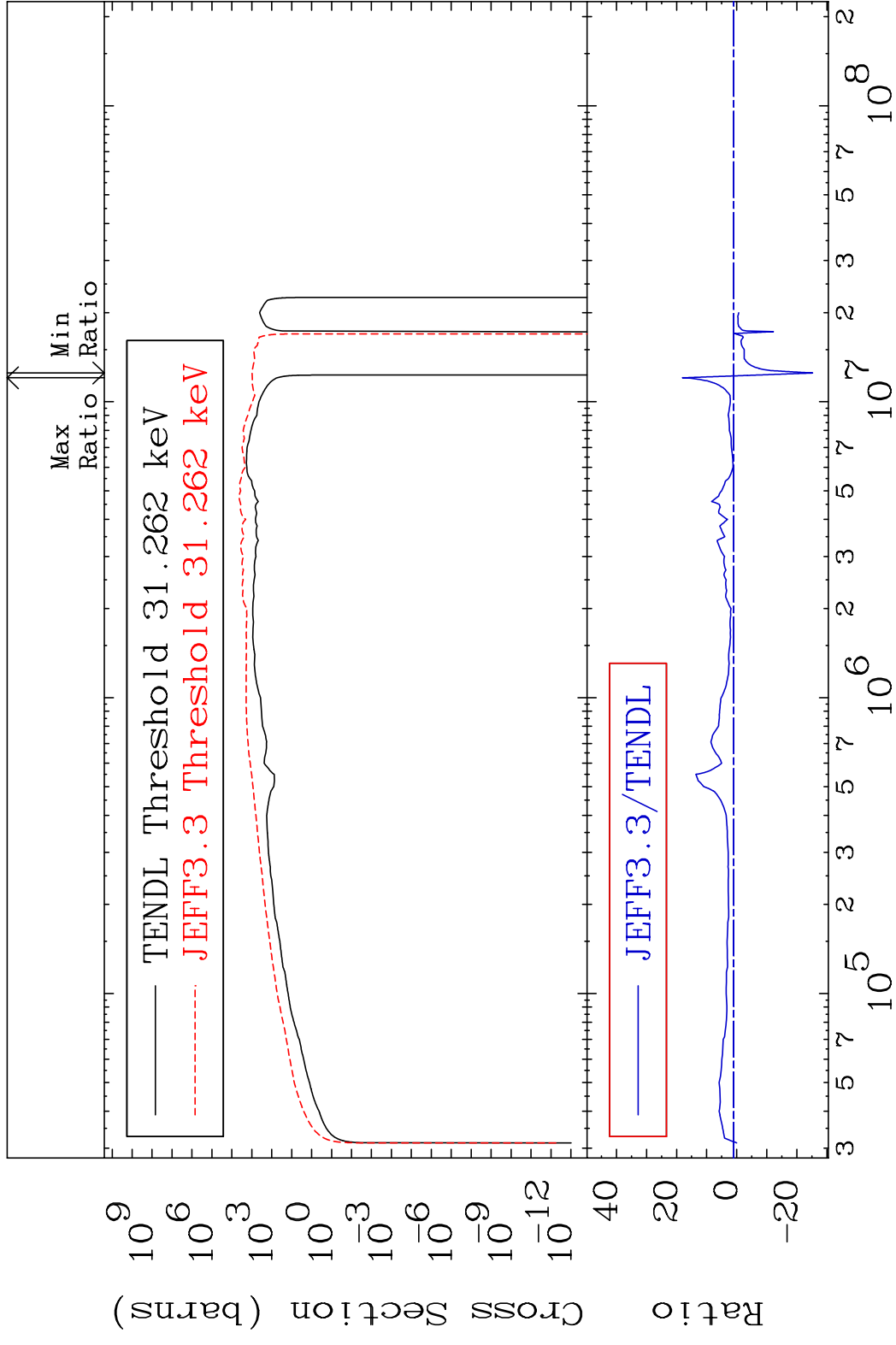
93-Np-239



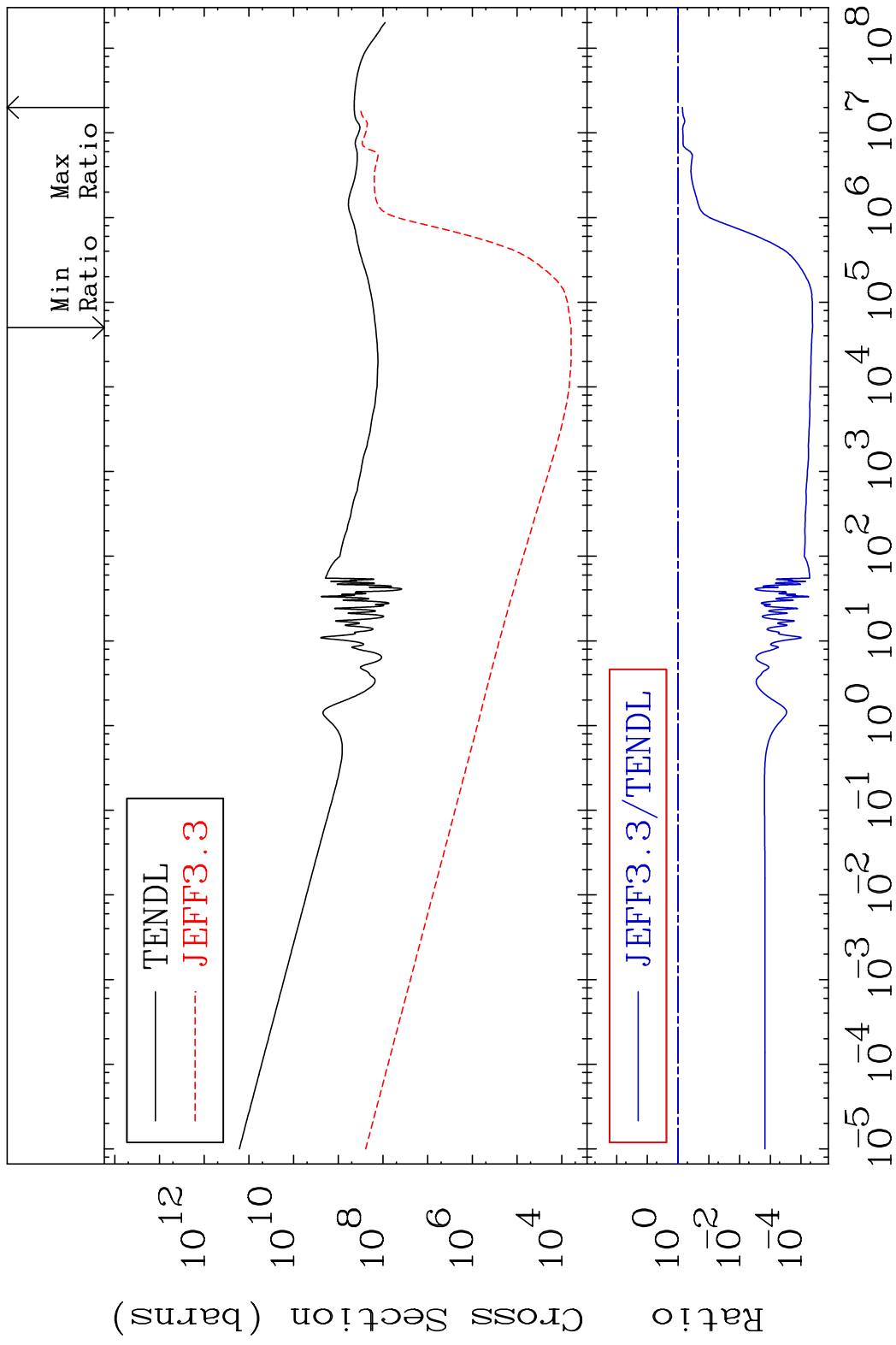
MAT 9352 Kerma non-elastic (all but mt2) 93-Np-239
 Cross Section -100.0 To -27.29%



MAT 9352 Kerma inelastic (mt51-91) 93-Np-239
 Cross Section -2621. To 1708. %

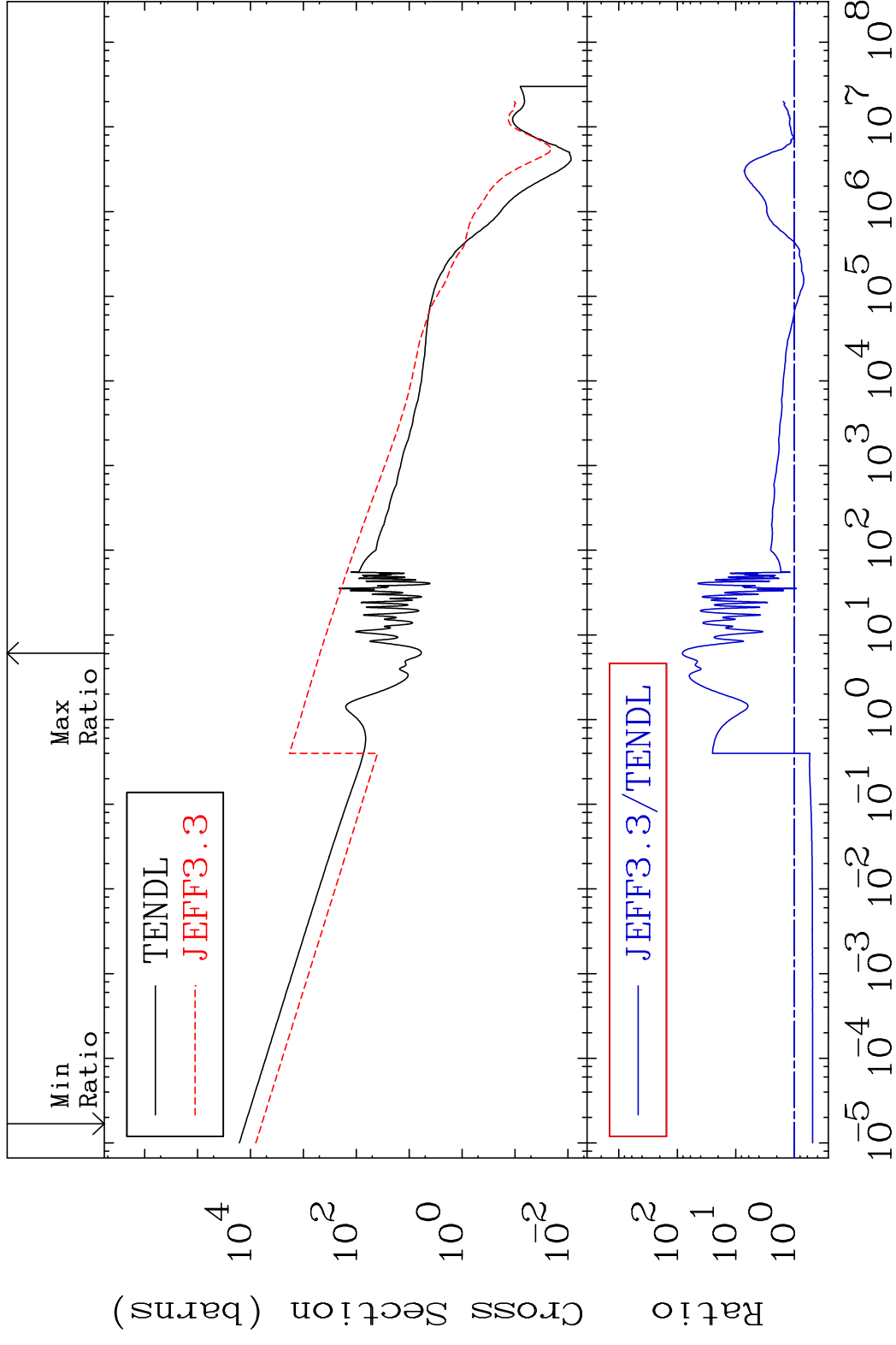


MAT 9352 Kerma fission (mt18 or mt19-20-21-38) 93-Np-239
 Cross Section -100.0 To -27.22%

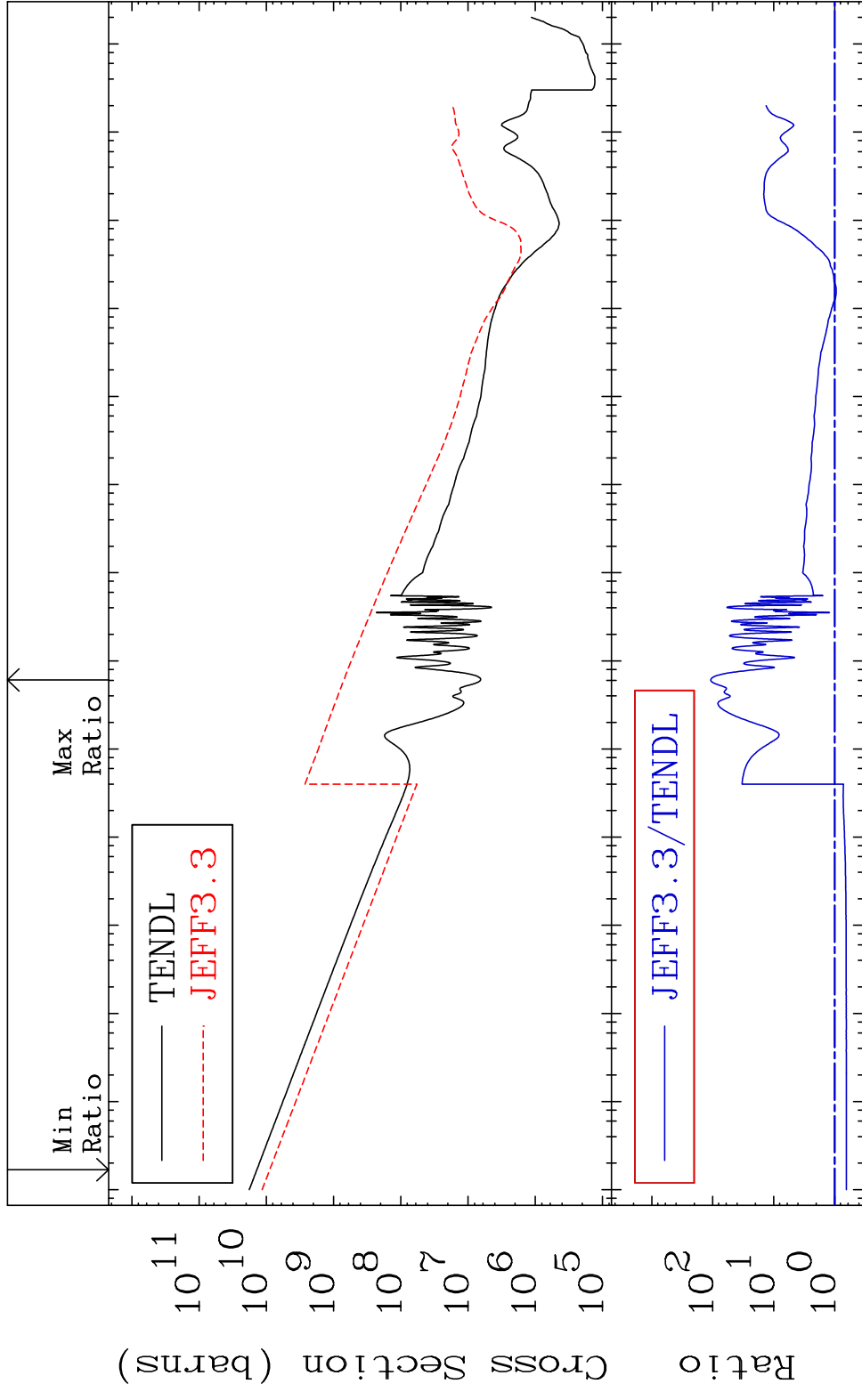


MAT 9352

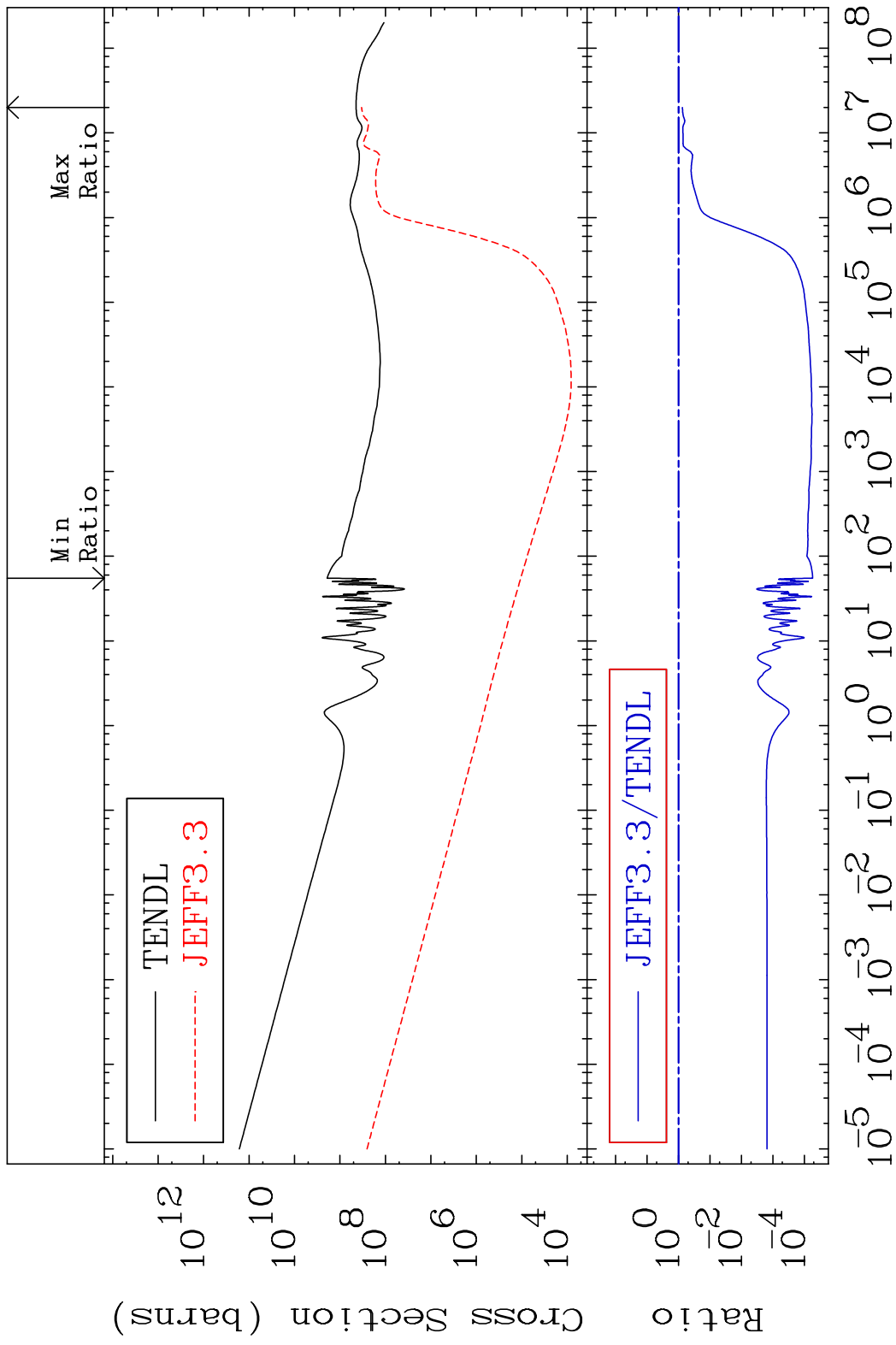
Kerma capture (mt102) 93-Np-239
Cross Section -51.20 To 8105. %



MAT 9352 Total photon (eV-barns) 93-Np-239
 Cross Section -35.70 To 9999. %



MAT 9352 Total kinematic kerma (high limit) 93-Np-239
 Cross Section -99.99 To -24.19%

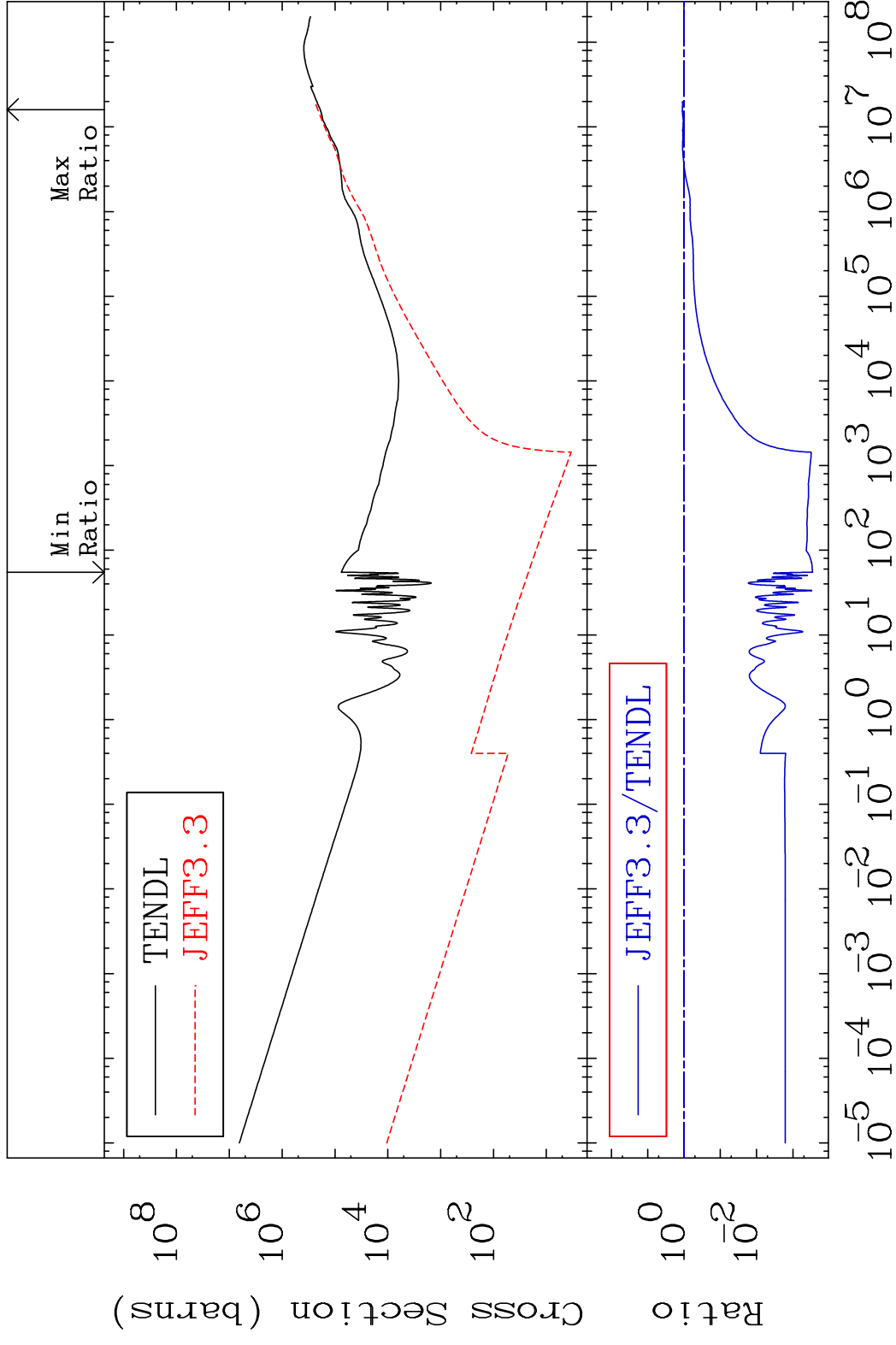


MAT 9352

Dpa total (eV-barns)

93-Np-239

Cross Section -99.97 To 11.05 %



40

Incident Energy (eV)

93-Np-239

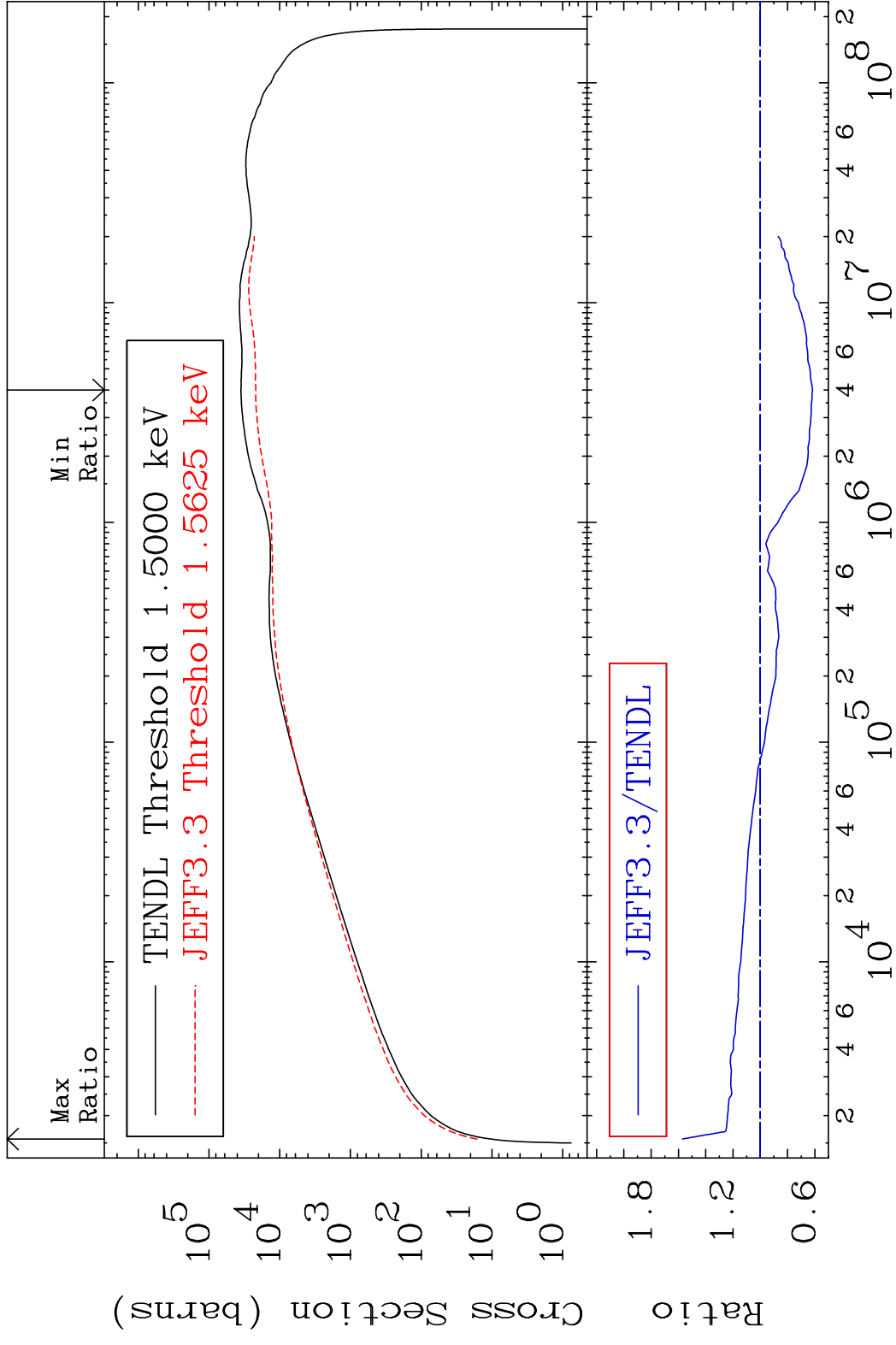
MAT 9352

Dpa elastic (mt2)

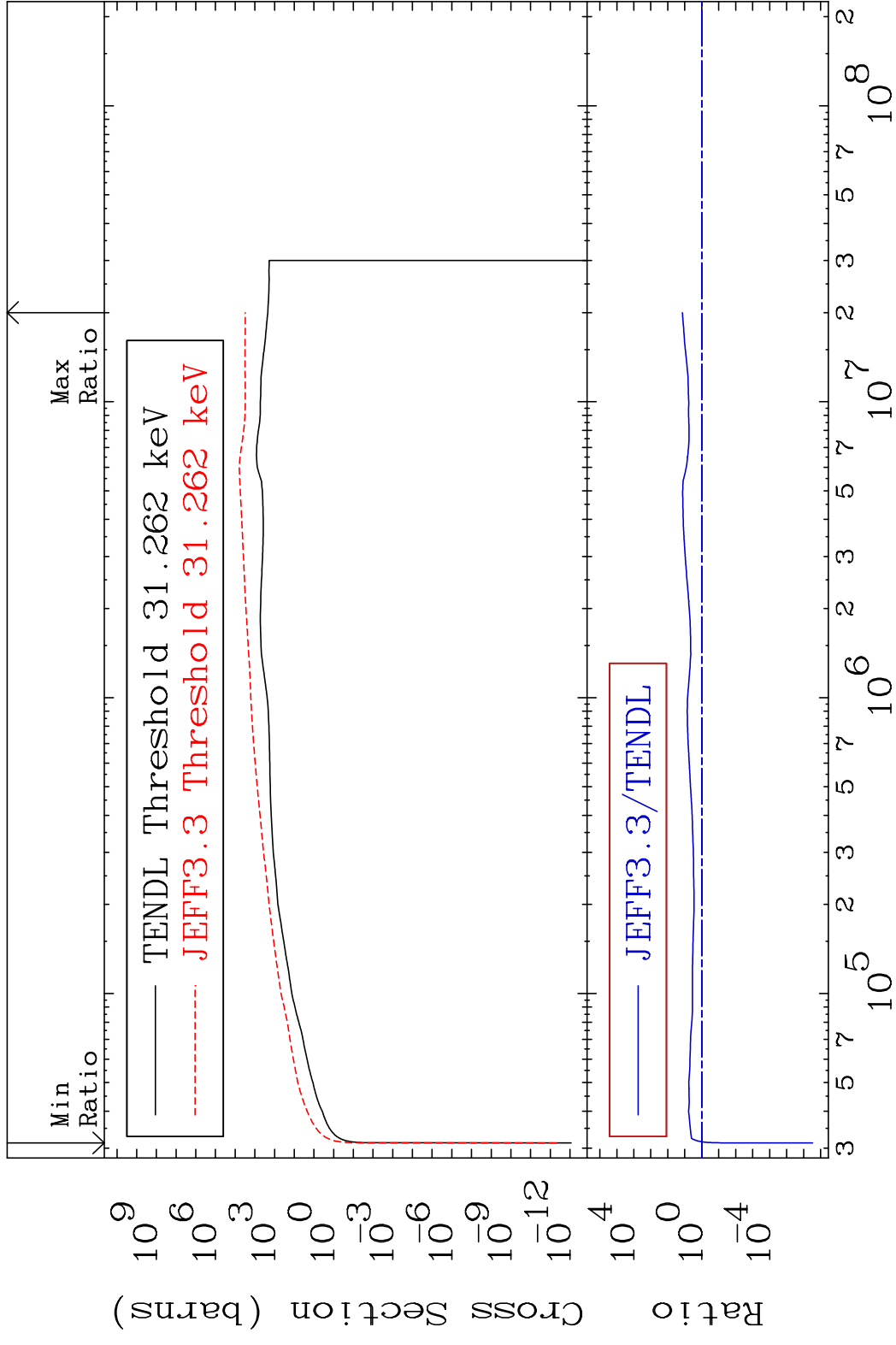
93-Np-239

Cross Section

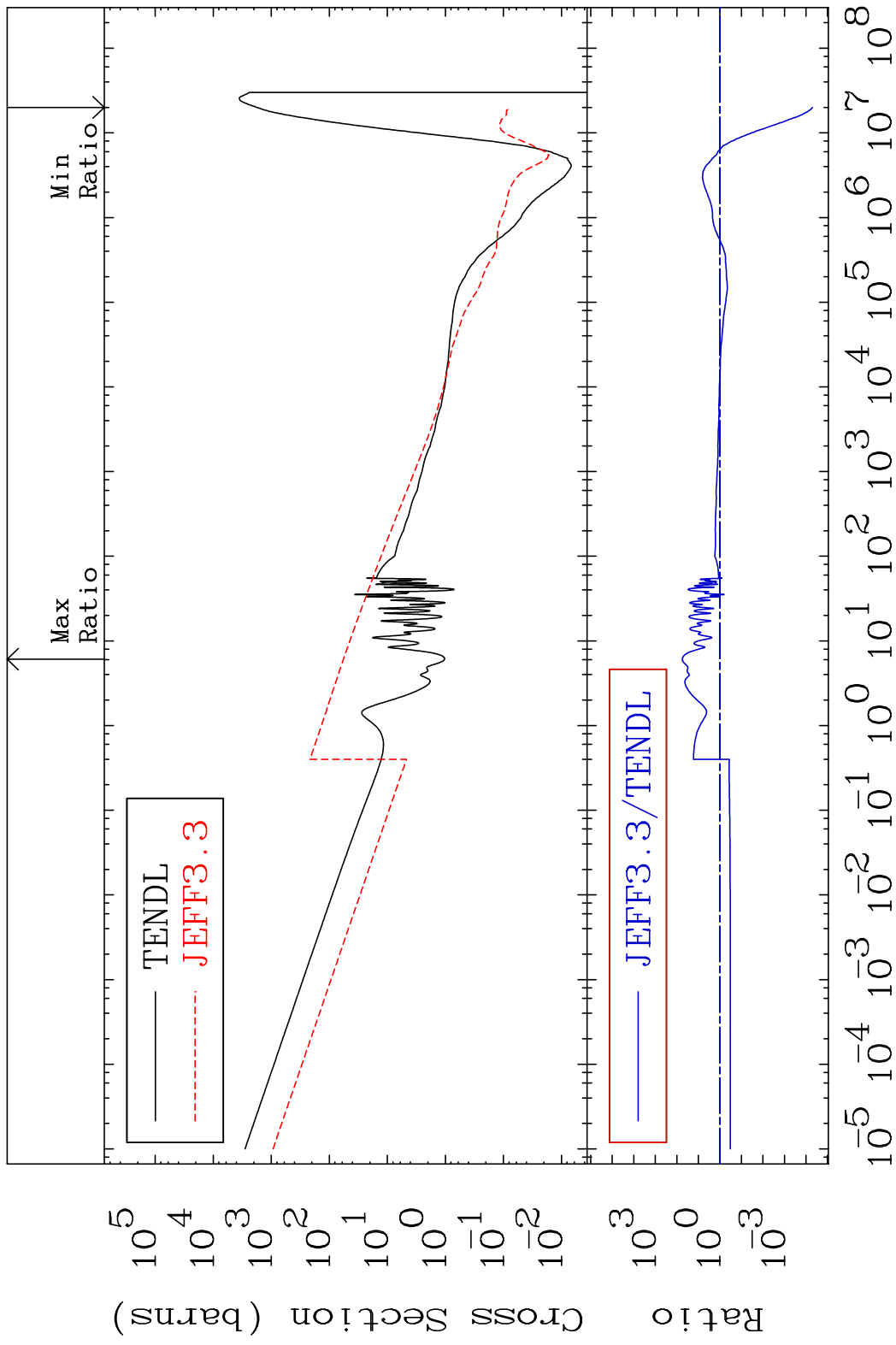
-38.36 To 57.12 %



MAT 9352 Dpa inelastic (mt51-91) 93-Np-239
 Cross Section -100.0 To 1283. %



MAT 9352 Dpa disappearance (mt102 -120) 93-Np-239
 Cross Section -100.0 To 5433. %



43 Incident Energy (eV) 93-Np-239