

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

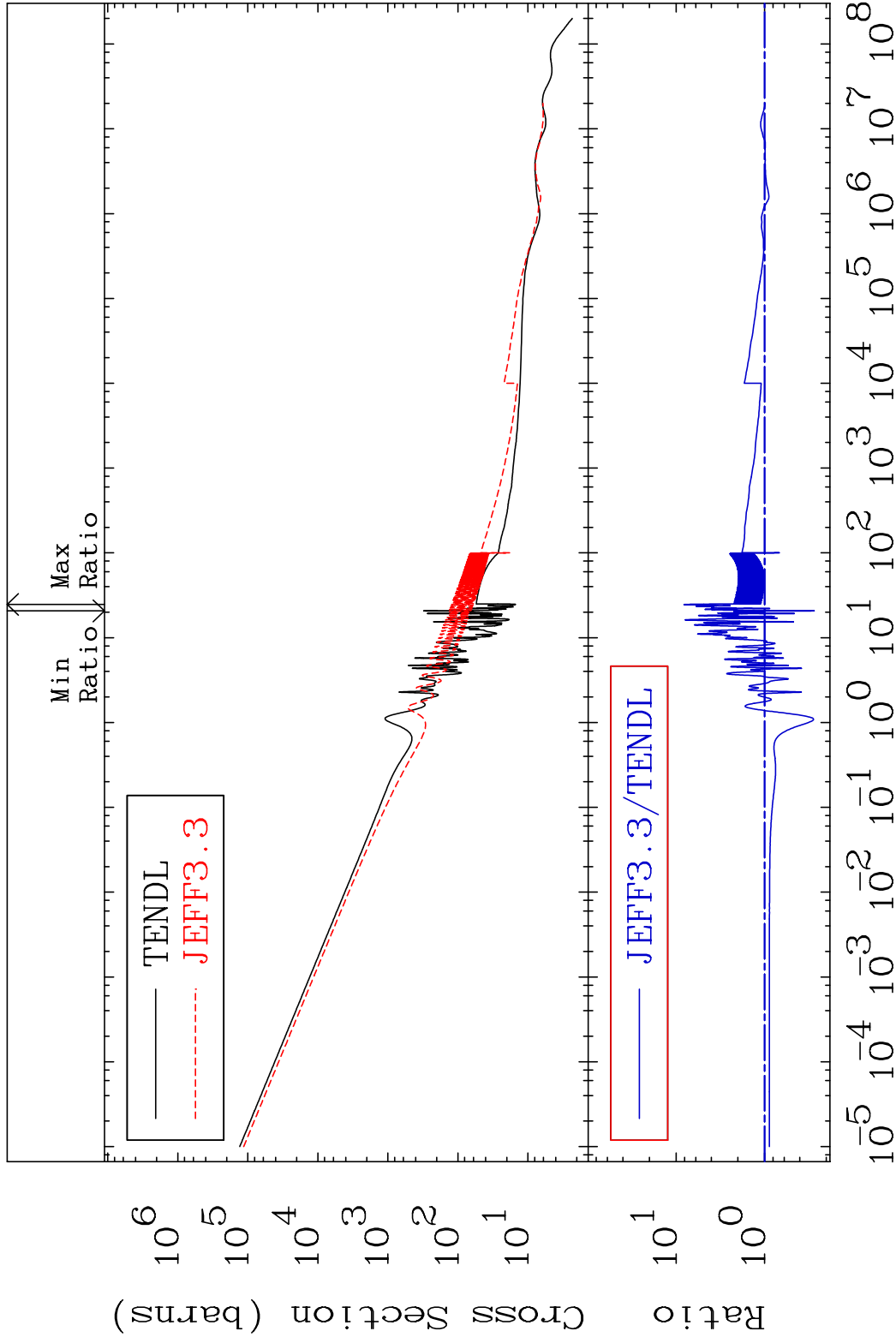
MAT 9349

Total

93-Np-238

Cross Section

-72.52 To 720.9 %



1

Incident Energy (eV)

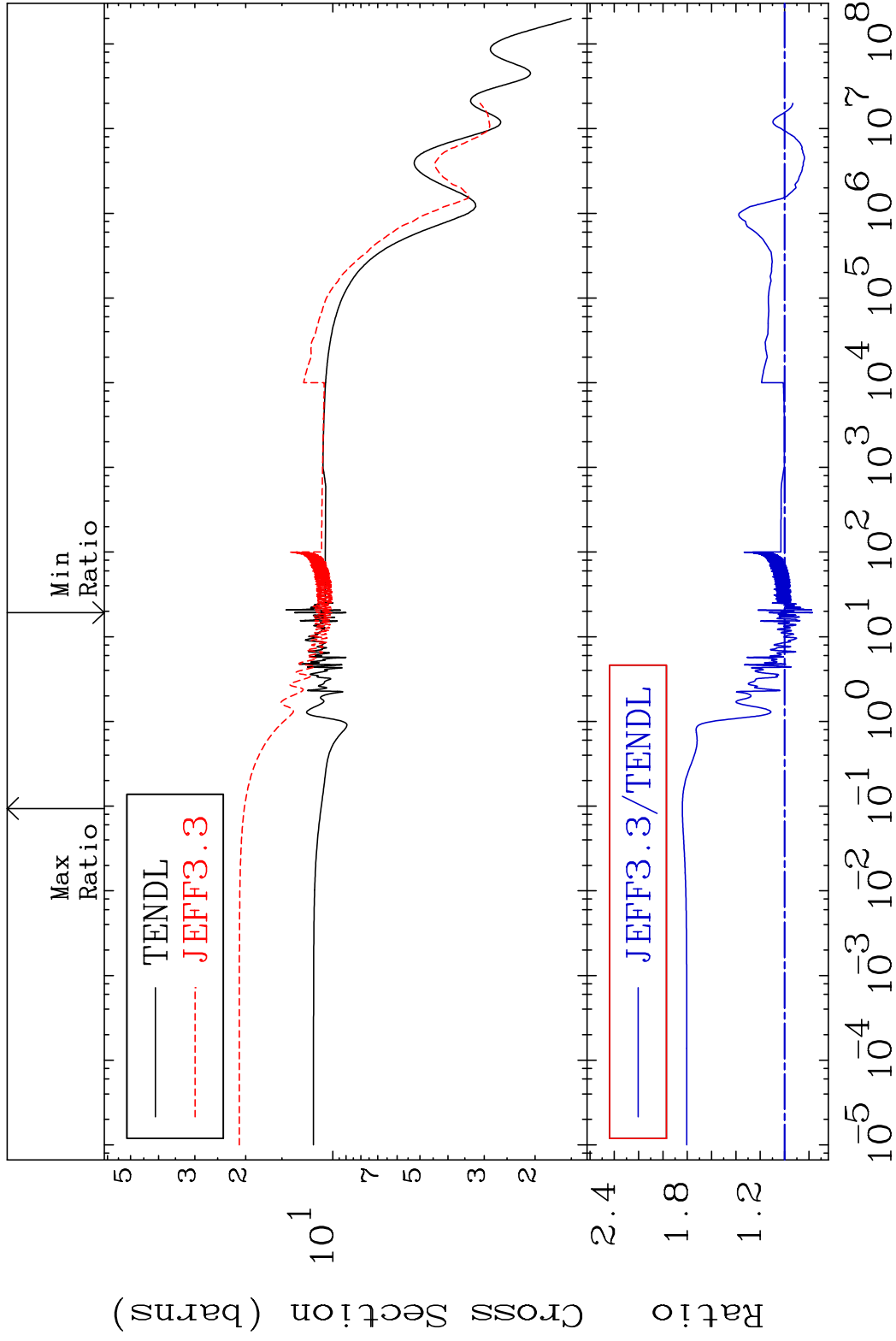
93-Np-238

MAT 9349

Elastic

93-Np-238

Cross Section -22.98 To 84.03 %



2

Incident Energy (eV)

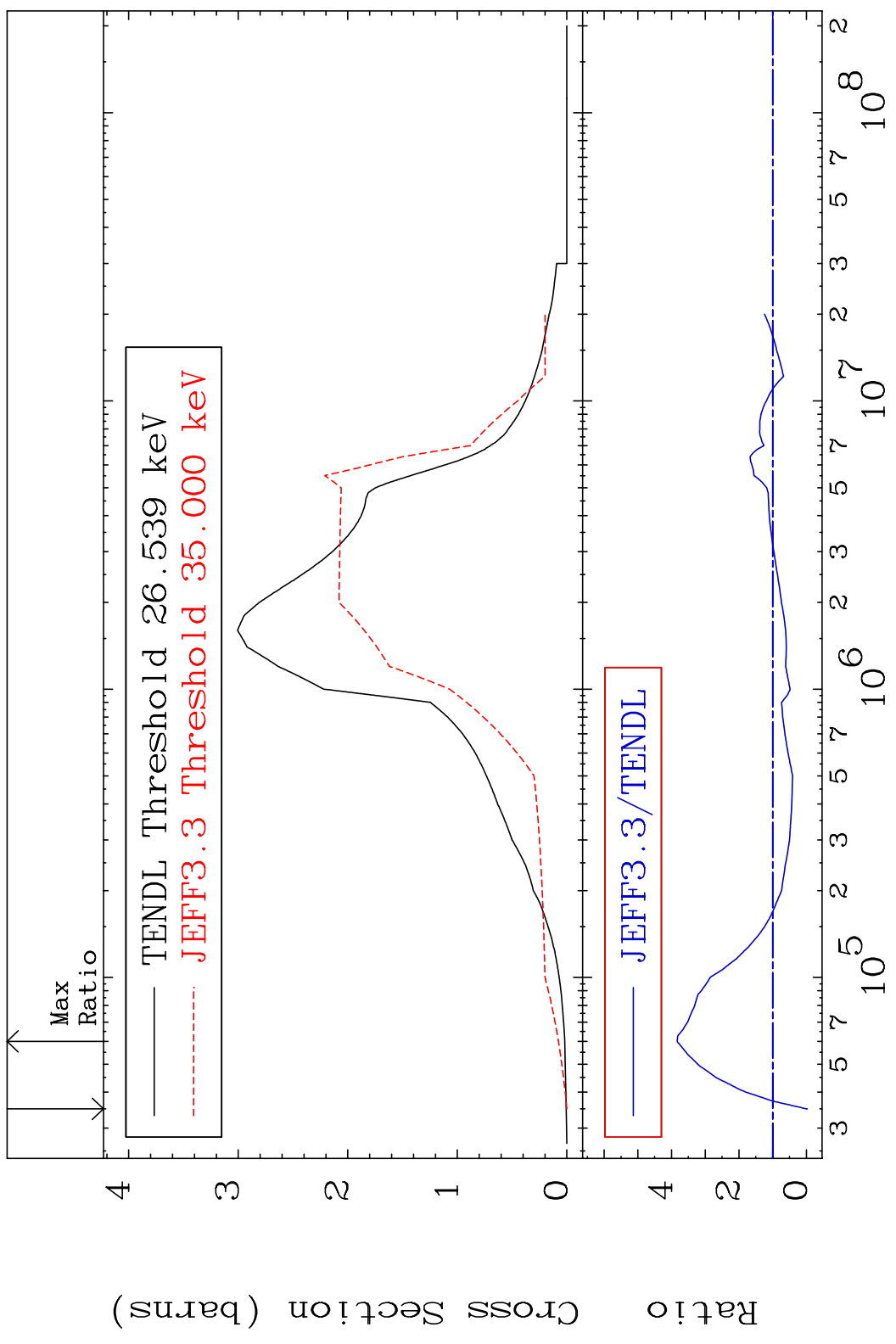
93-Np-238

MAT 9349

Inelastic

93-Np-238

Cross Section -100.0 To 283.3 %



3

Incident Energy (eV)

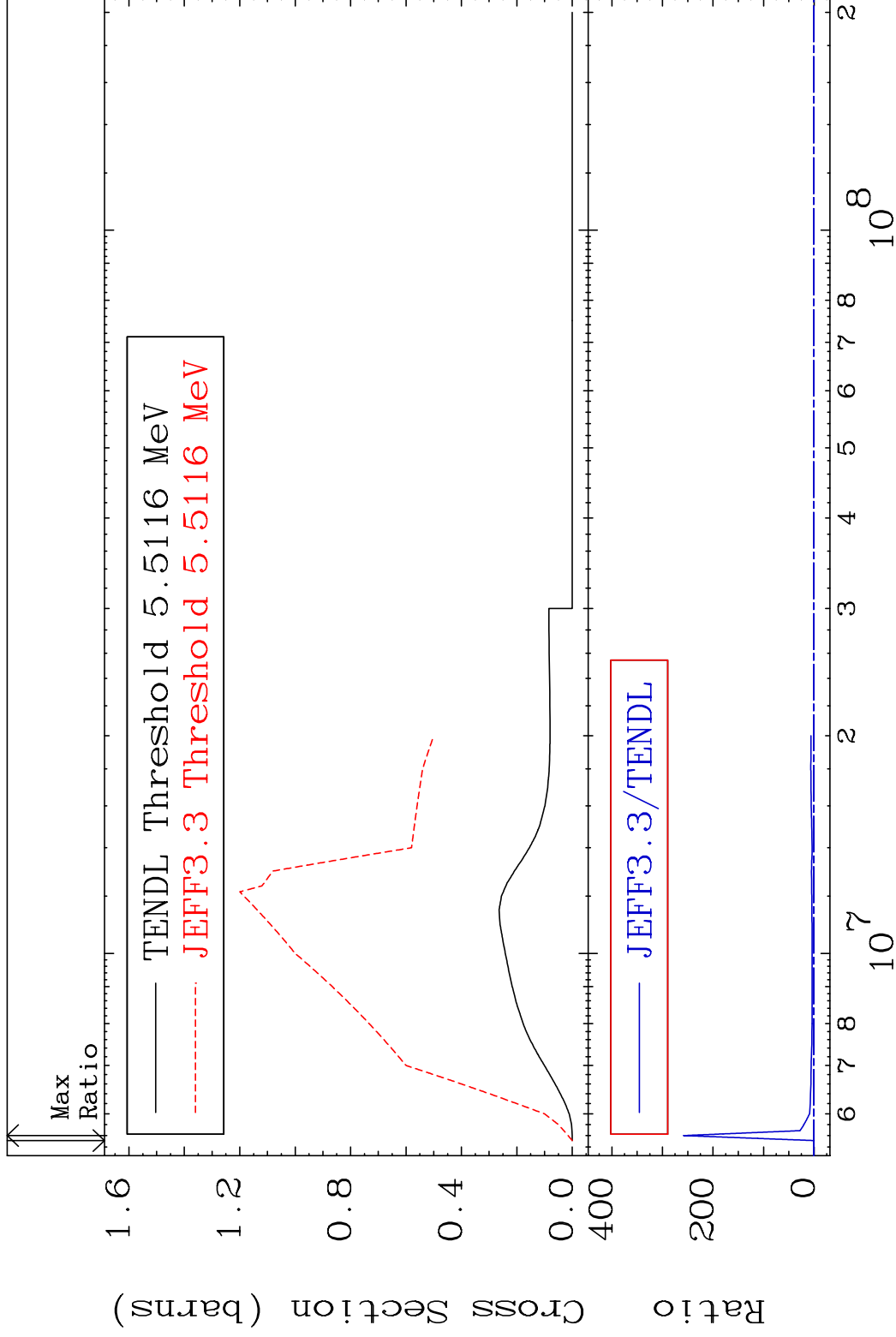
93-Np-238

MAT 9349

(n,2n)

93-Np-238

Cross Section -100.0 To 9999. %



4

Incident Energy (eV)

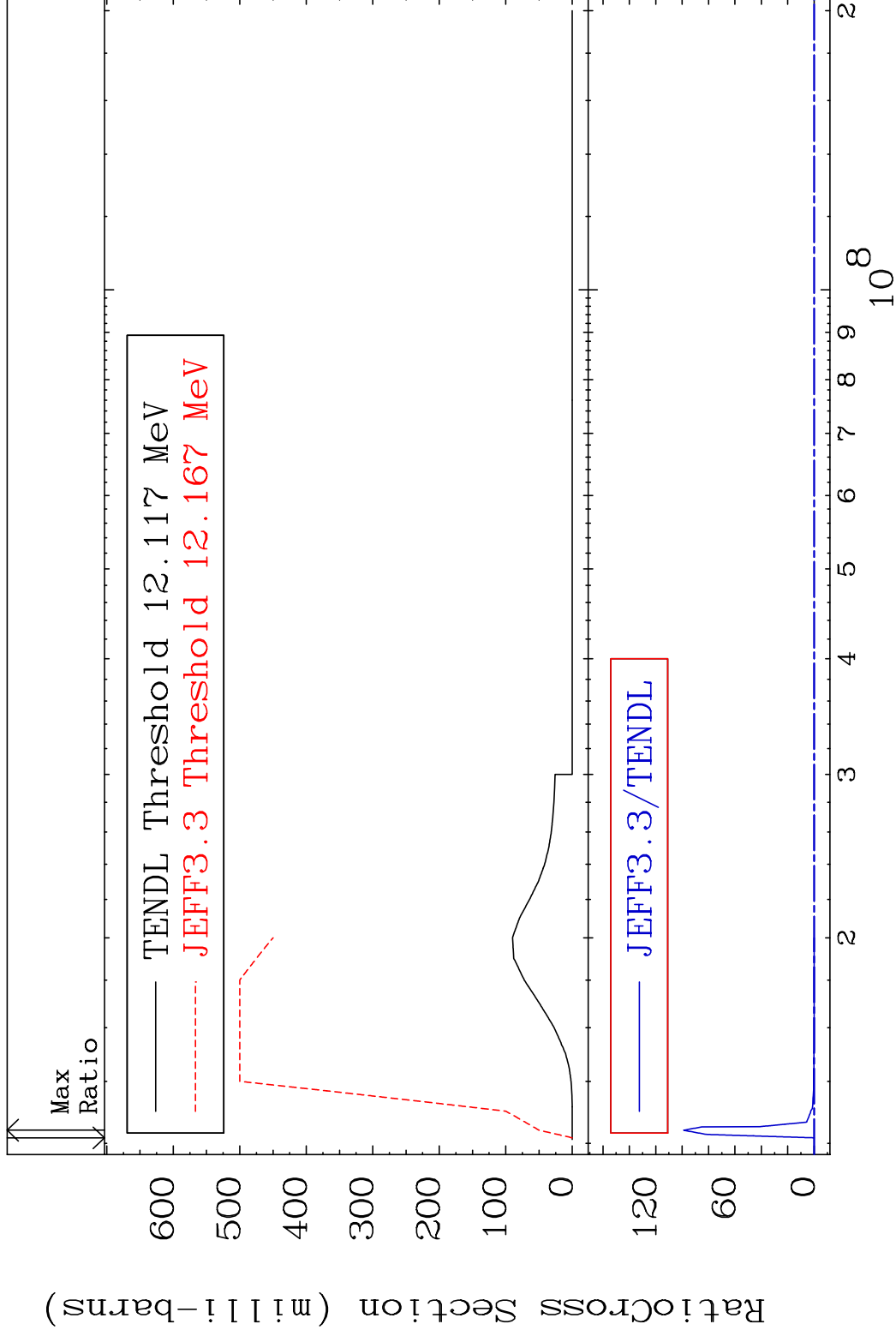
93-Np-238

MAT 9349

(n,3n)

93-Np-238

Cross Section -100.0 To 9999. %



5

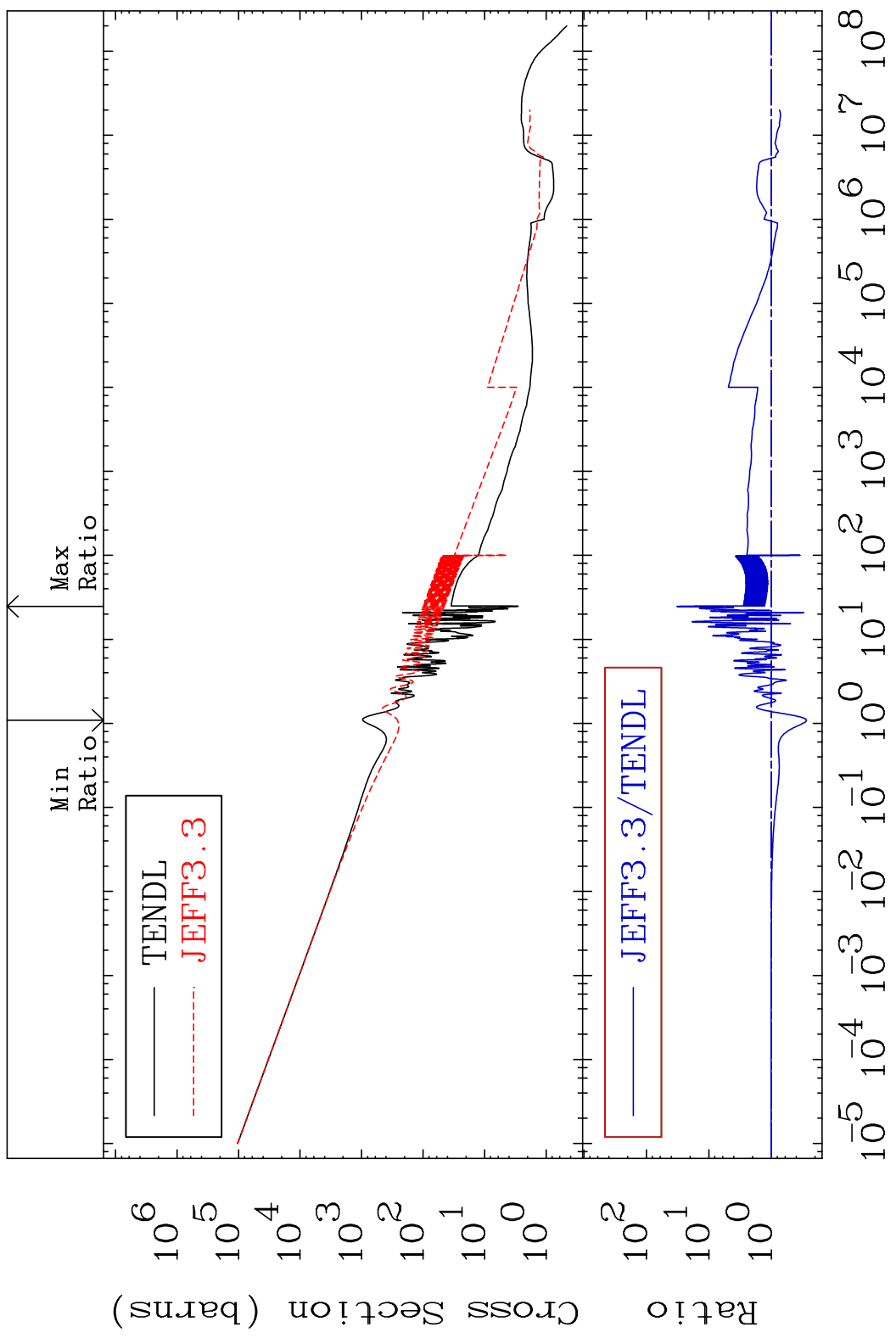
Incident Energy (eV)

93-Np-238

MAT 9349

Fission Cross Section -72.56 To 3112. %

93-Np-238



6

Incident Energy (eV)

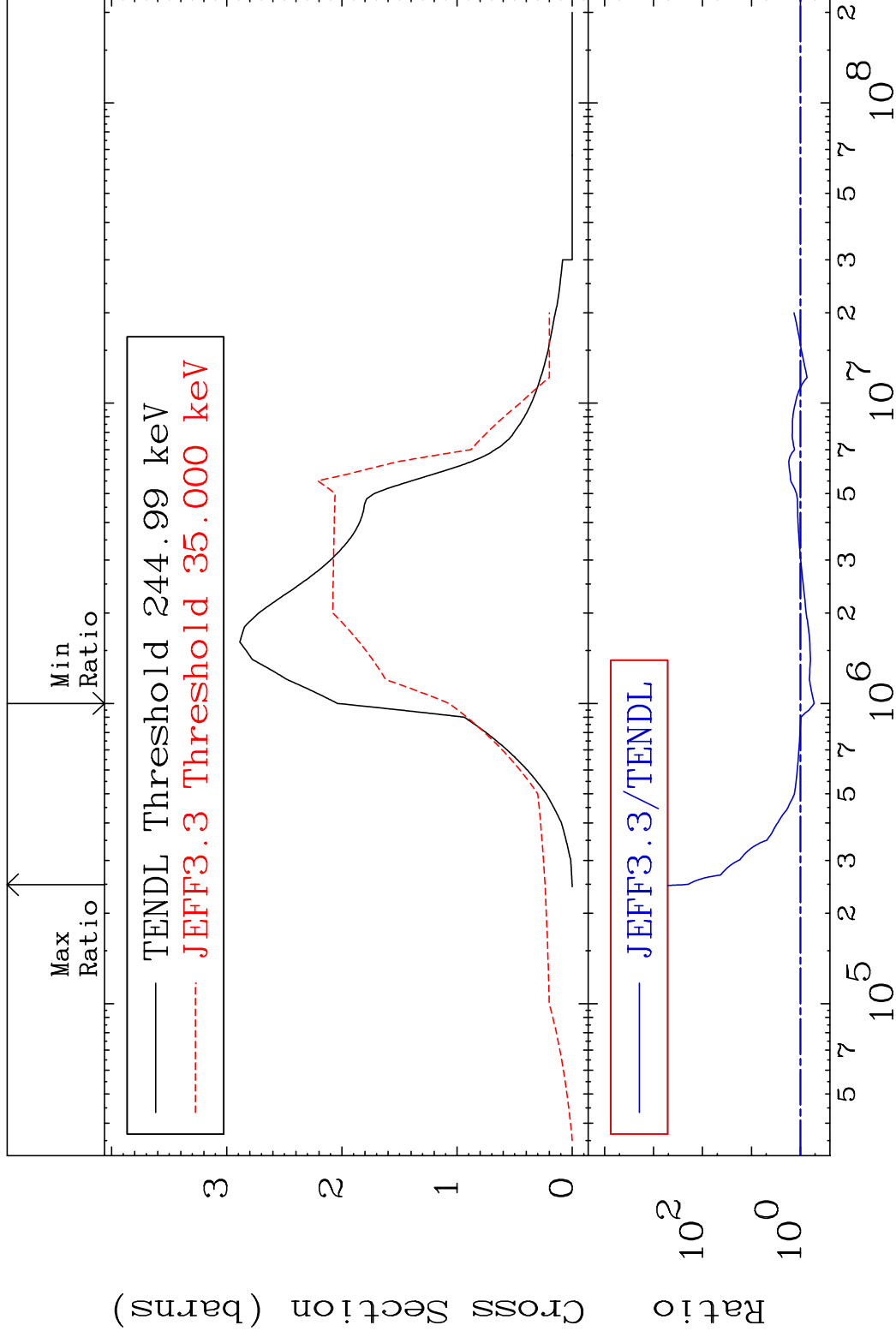
93-Np-238

MAT 9349

(n, n') Continuum

93-Np-238

Cross Section -47.54 To 9999. %



7

Incident Energy (eV)

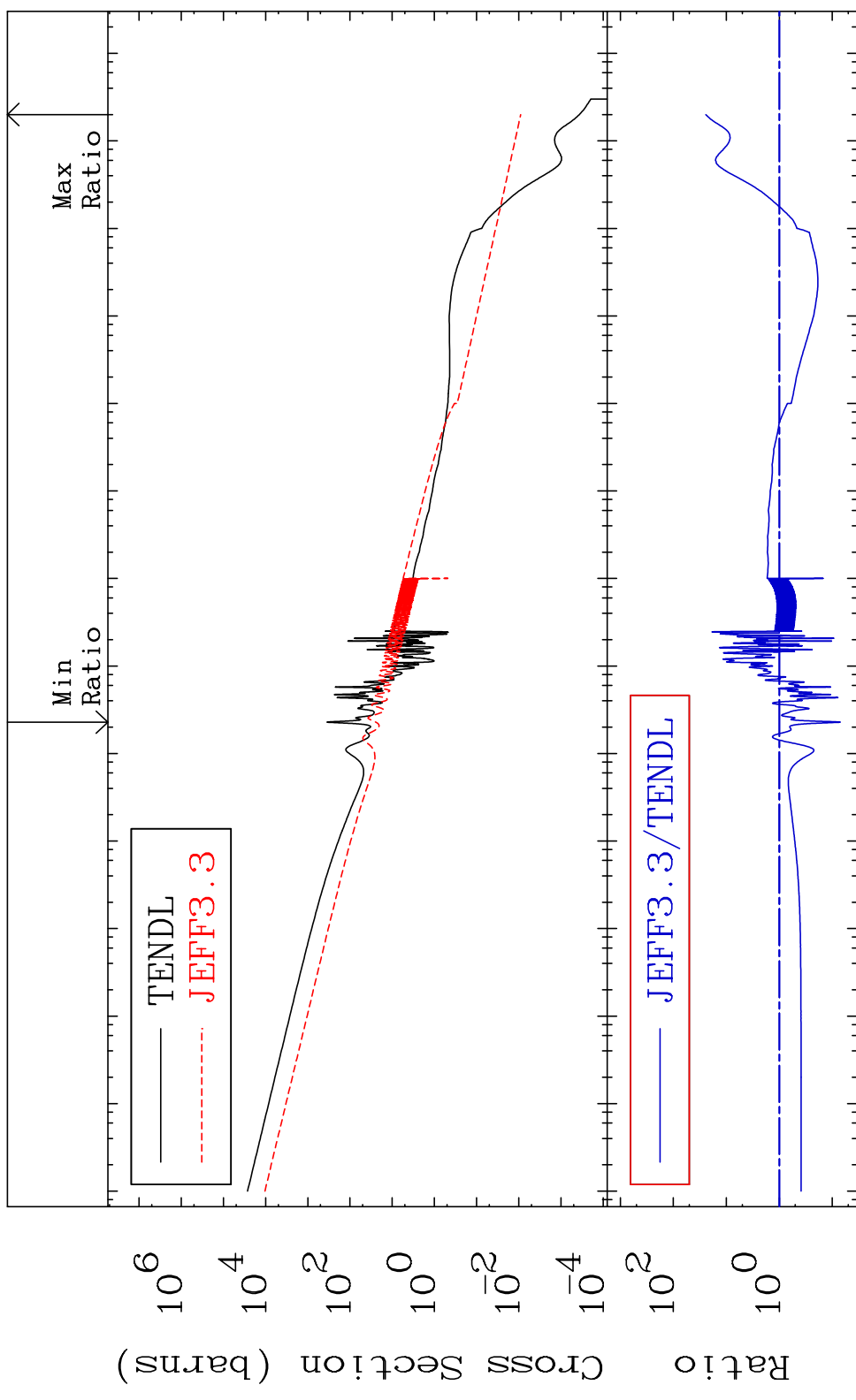
93-Np-238

MAT 9349

(n, γ)

93-Np-238

Cross Section -92.99 To 2345. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

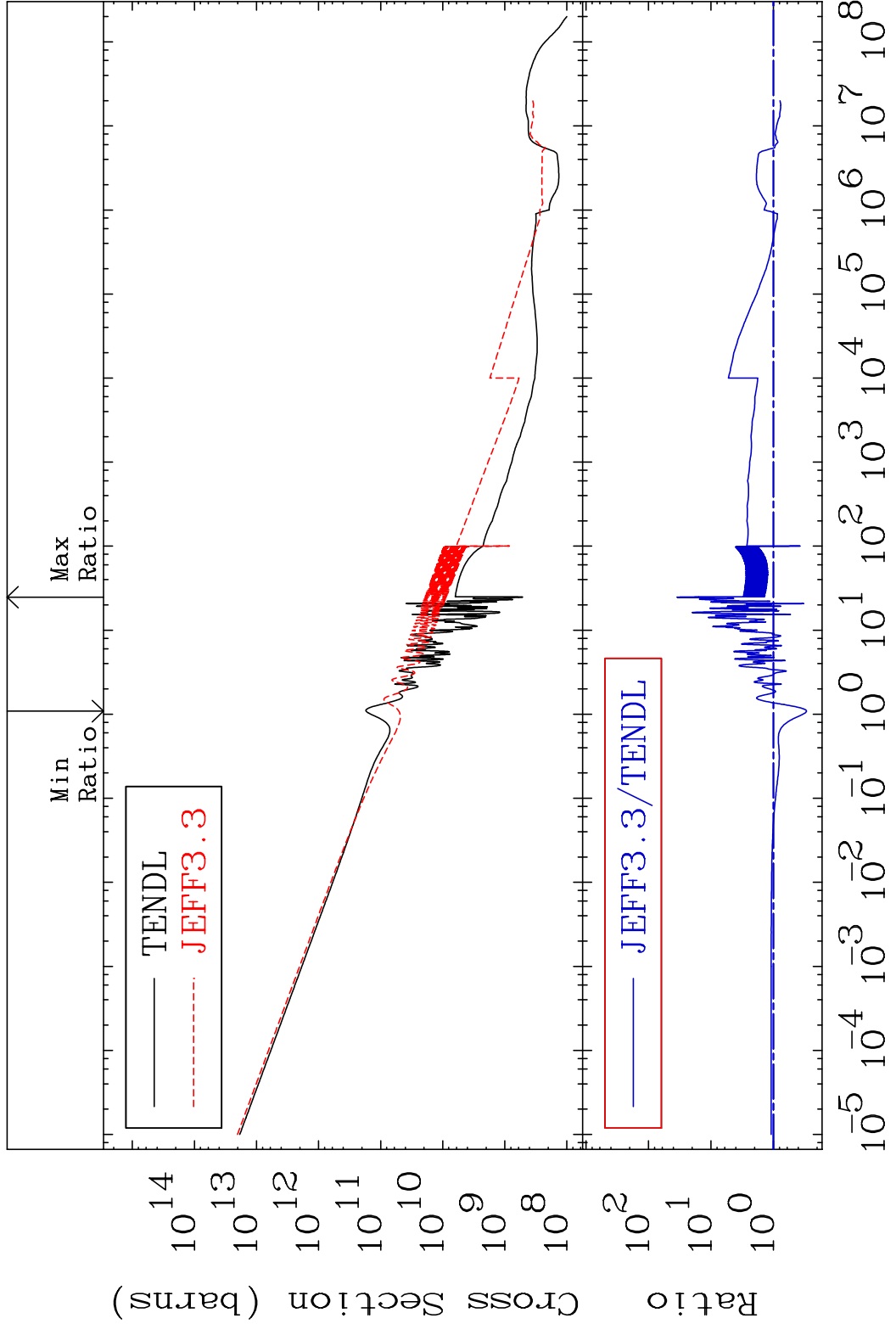
8

Incident Energy (eV)

93-Np-238

MAT 9349

Kerma total (eV-barns) 93-Np-238
Cross Section -70.31 To 3376. %

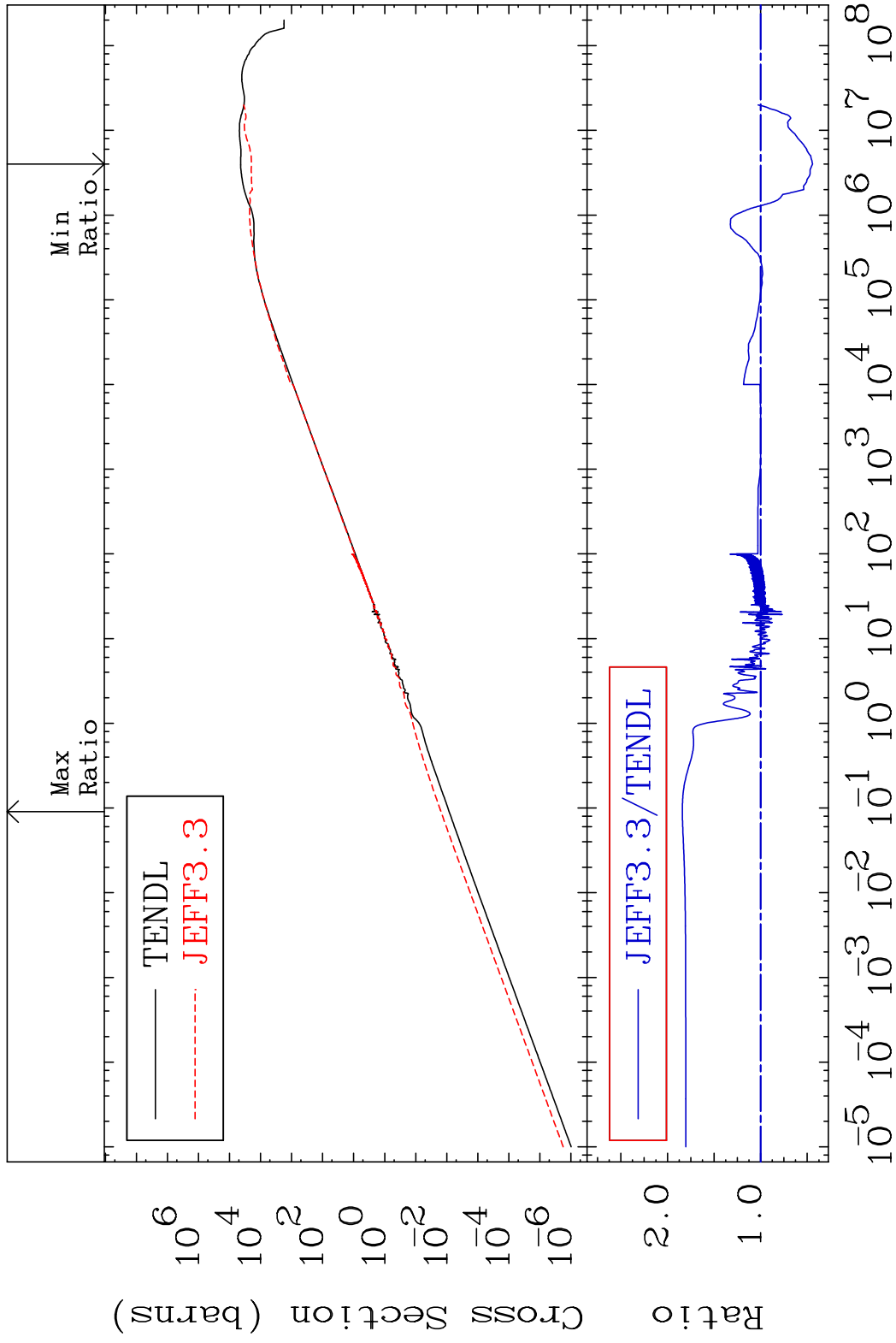


MAT 9349

Kerma elastic

93-Np-238

Cross Section -55.71 To 84.03 %

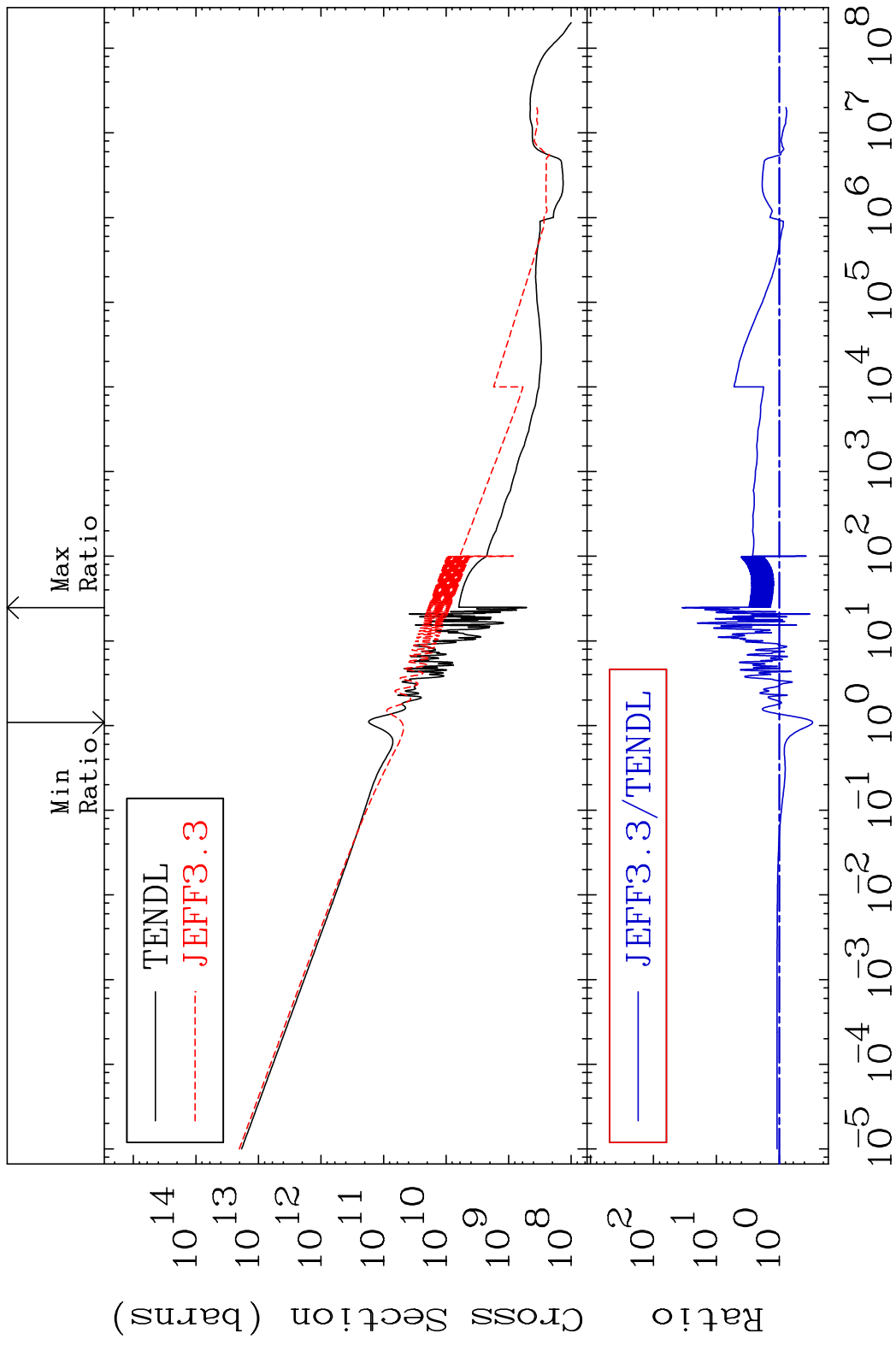


10

Incident Energy (eV)

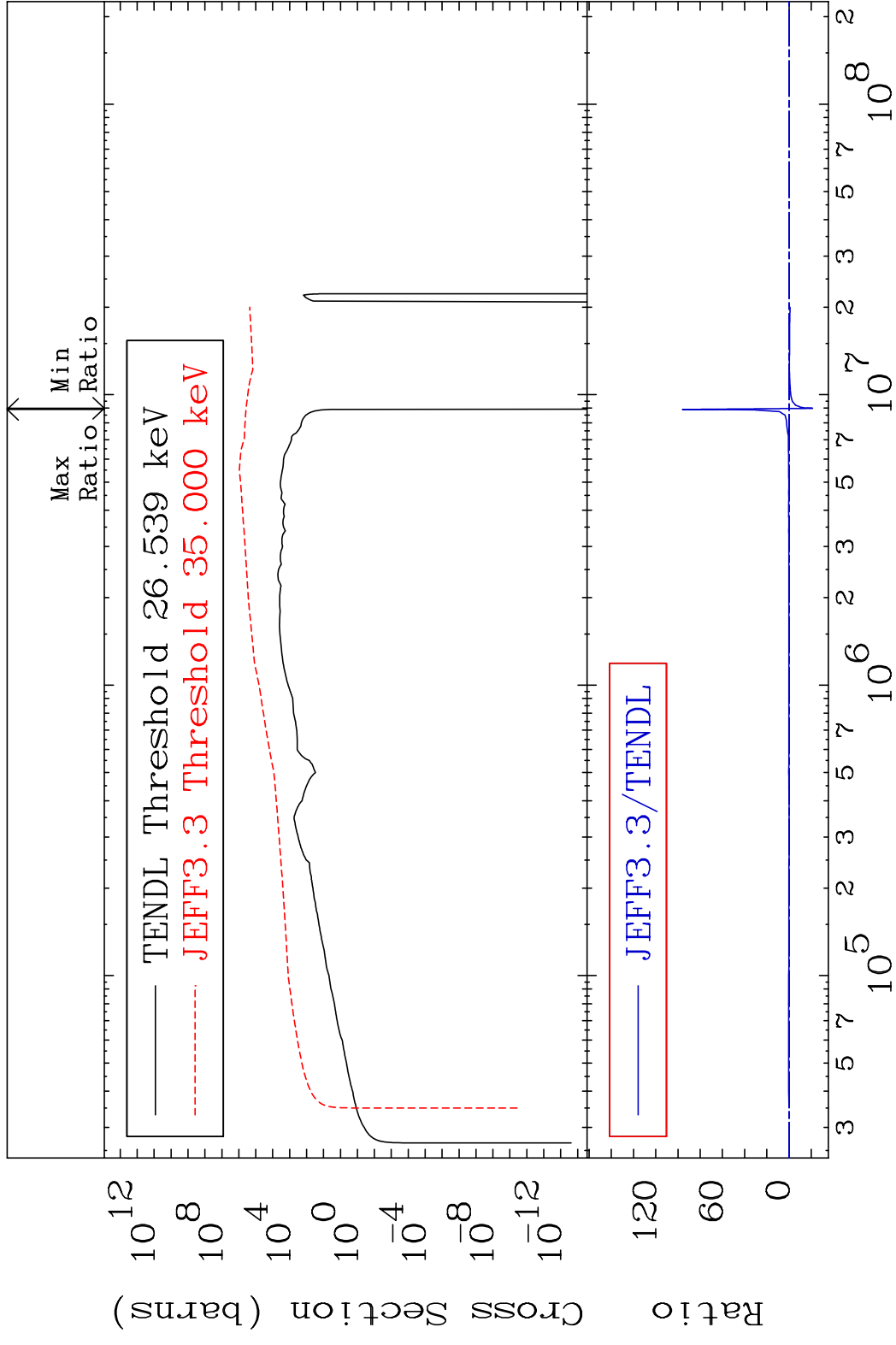
93-Np-238

MAT 9349 Kerma non-elastic (all but mt2) 93-Np-238
 Cross Section -70.31 To 3376. %



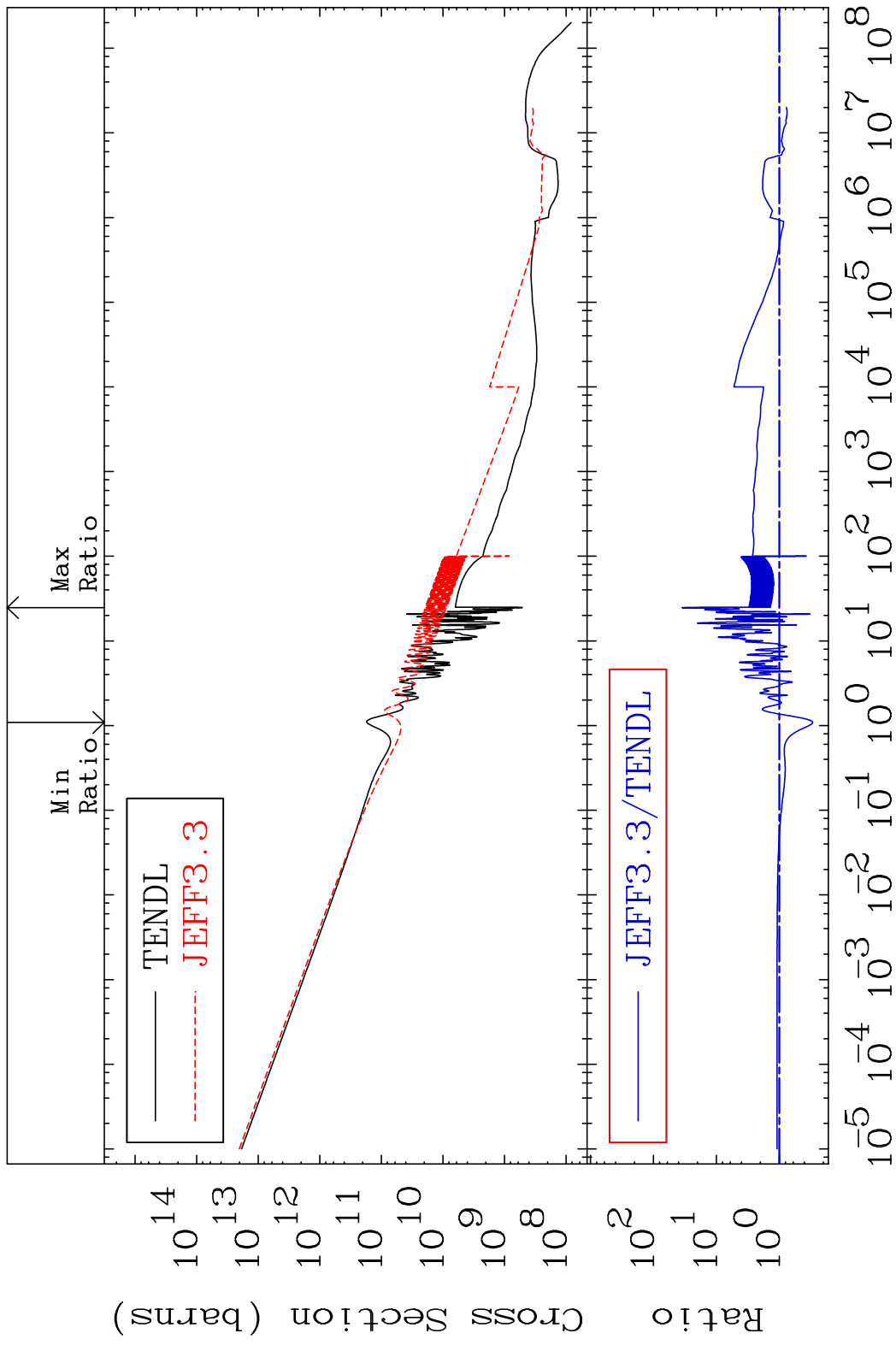
11 Incident Energy (eV) 93-Np-238

MAT 9349 Kerma inelastic (mt51-91) 93-Np-238
 Cross Section -9999. To 9999. %



12 Incident Energy (eV) 93-Np-238

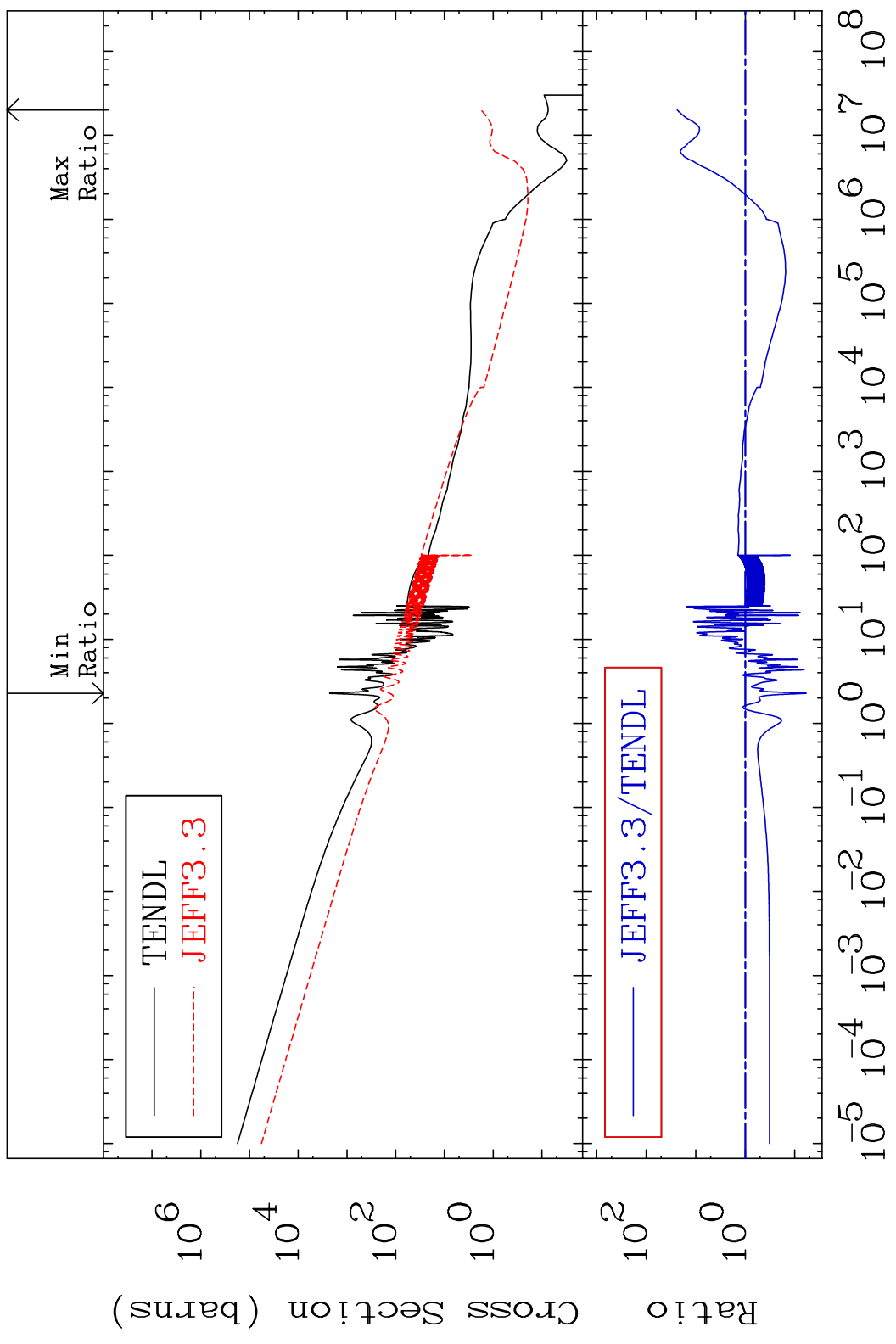
MAT 9349 Kerma fission (mt18 or mt19-20-21-38) 93-Np-238
 Cross Section -70.31 To 3376. %



13 Incident Energy (eV) 93-Np-238

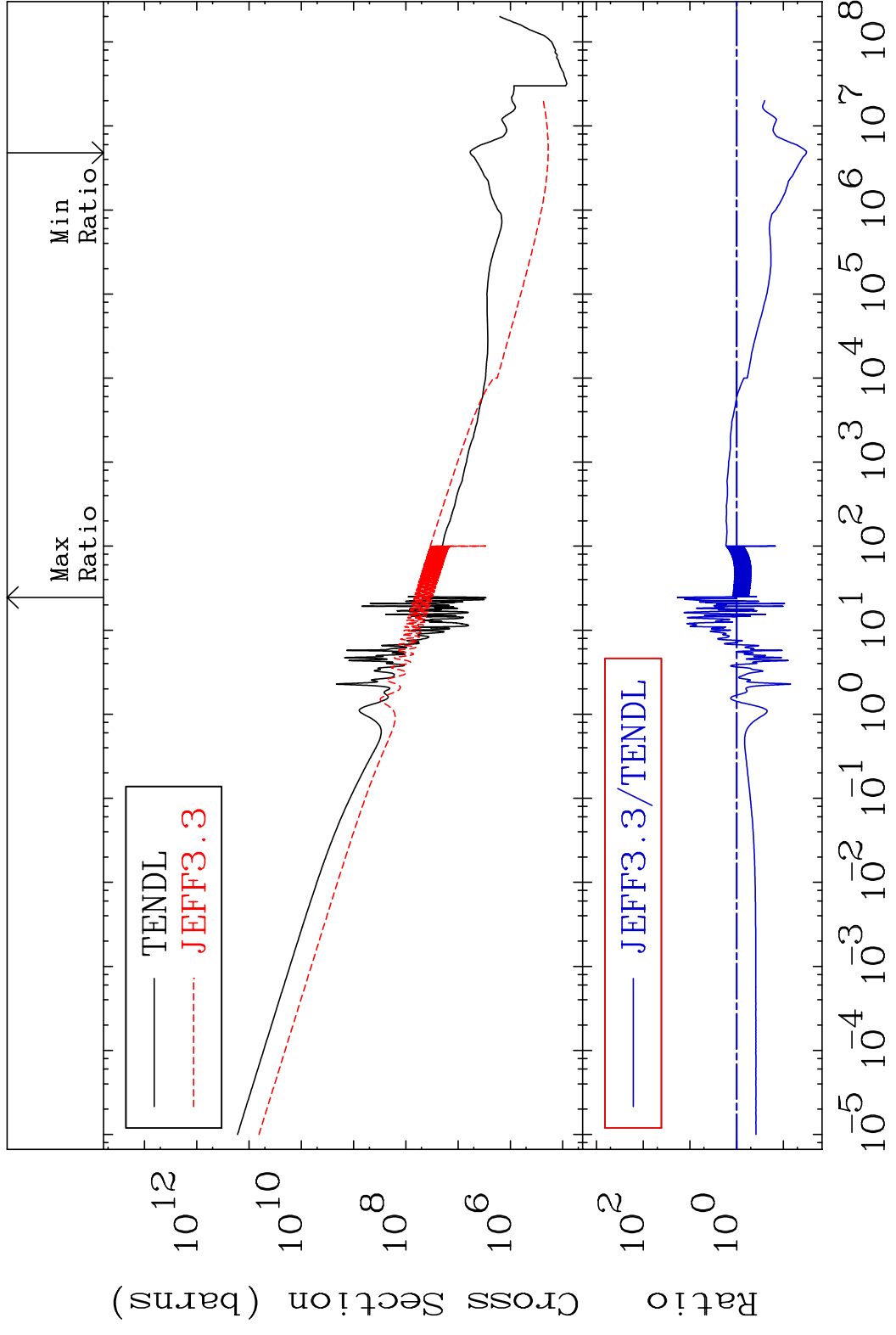
MAT 9349

Kerma capture (mt102) 93-Np-238
Cross Section -94.18 To 2272. %



MAT 9349

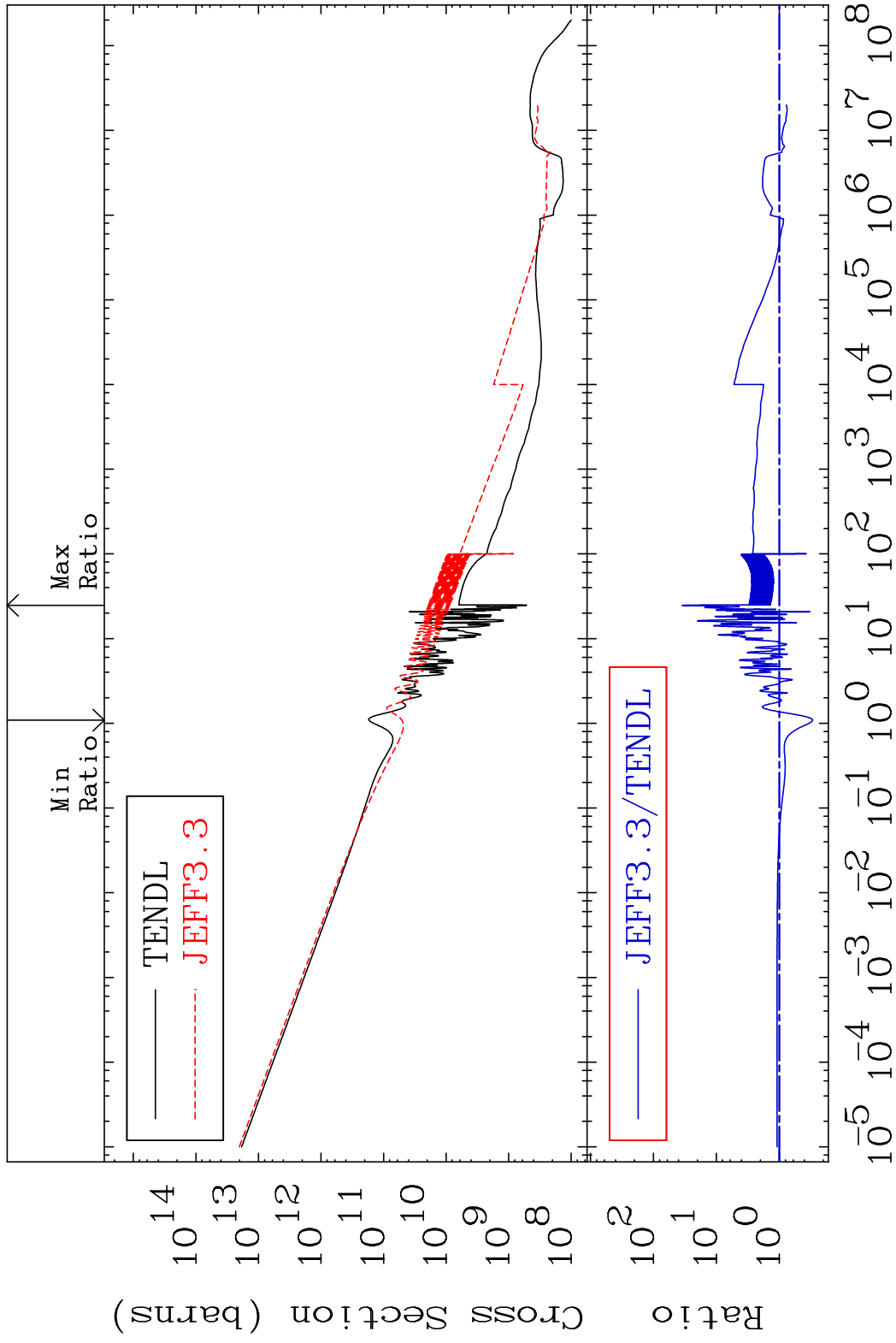
Total photon (eV-barns) 93-Np-238
Cross Section -96.78 To 1775. %



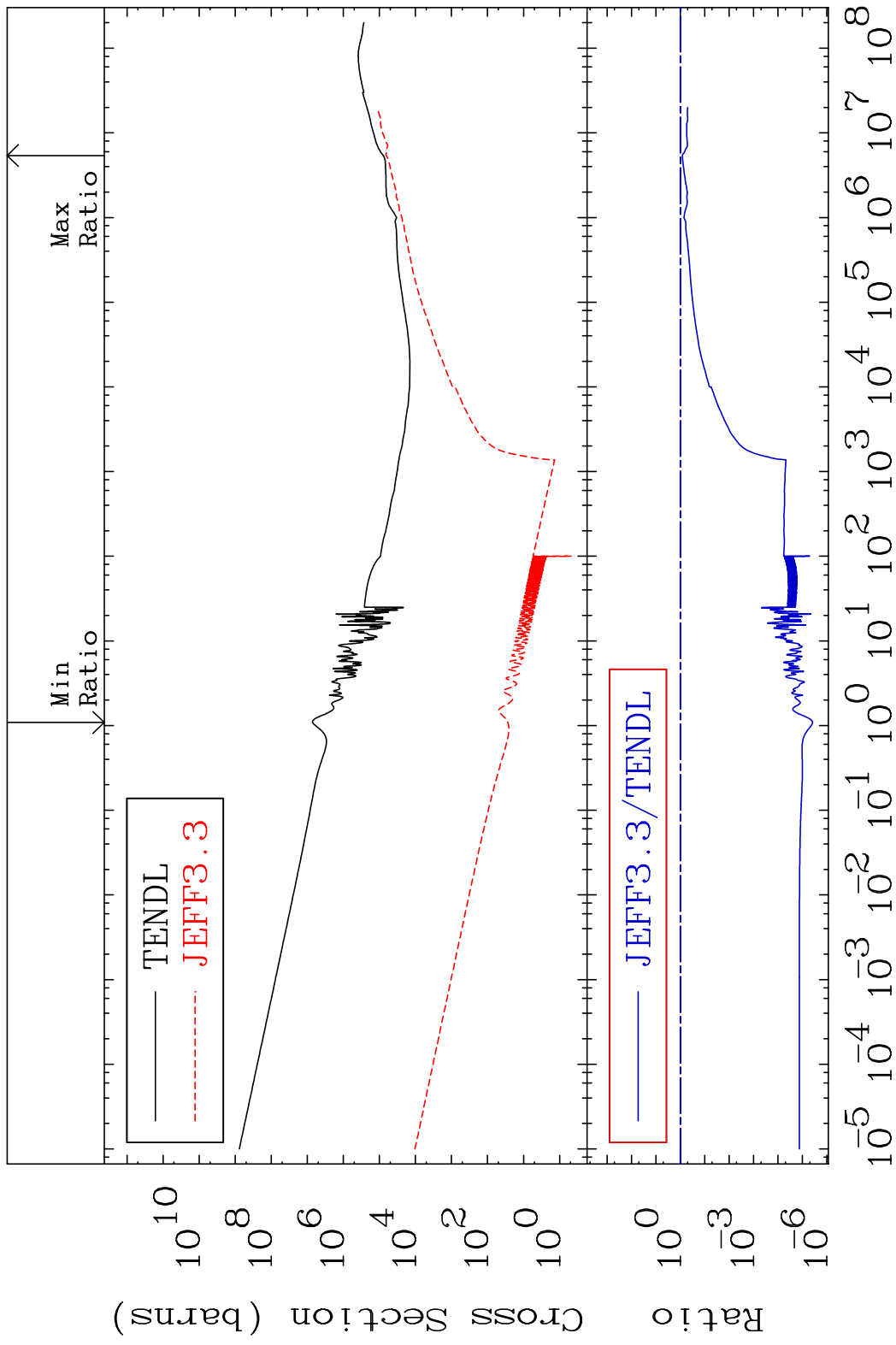
15

Incident Energy (eV) 93-Np-238

MAT 9349 Total kinematic kerma (high limit) 93-Np-238
 Cross Section -70.31 To 3376. %



MAT 9349 Dpa total (eV-barns) ⁹³Np-238
 Cross Section -100.0 To -16.91%

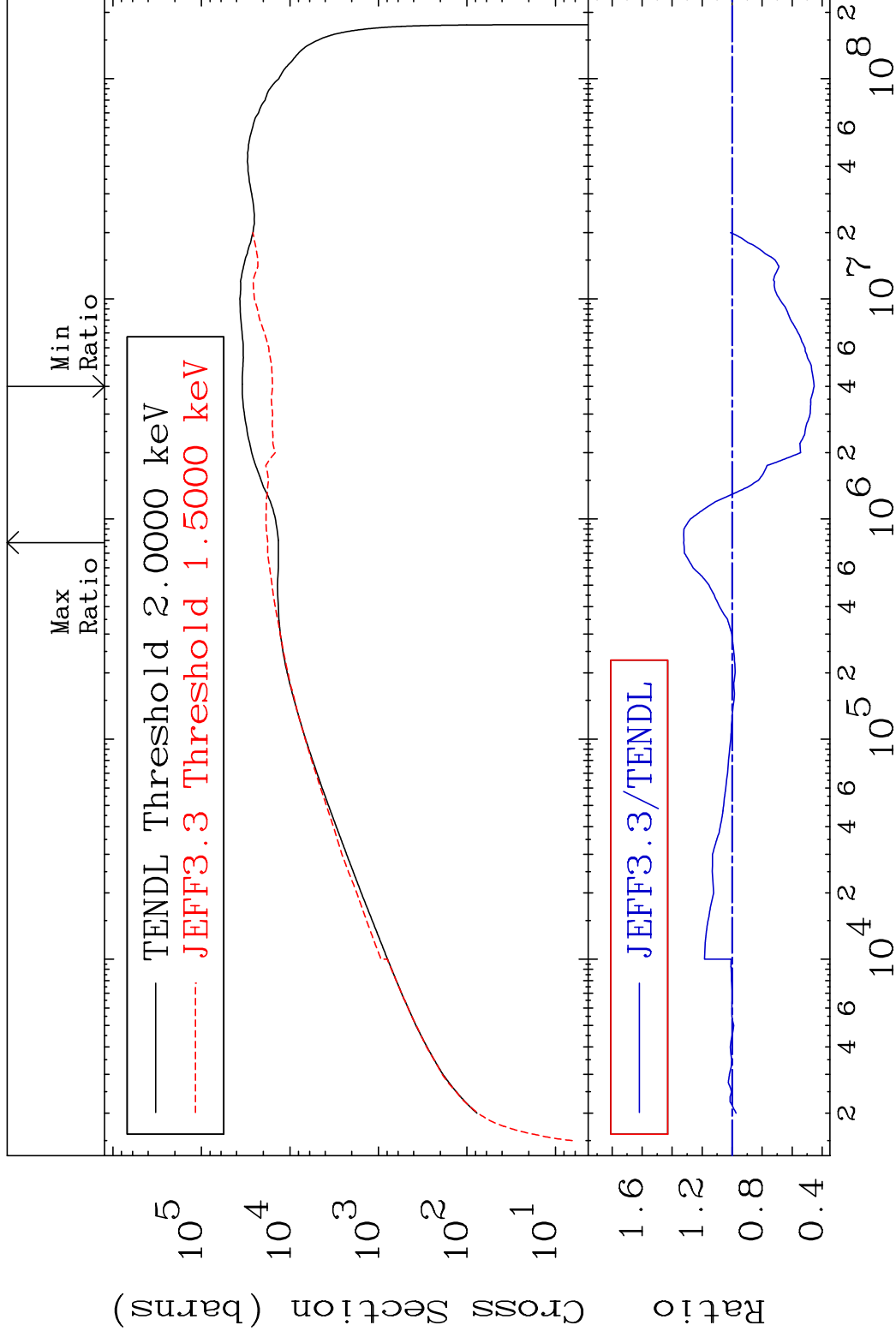


MAT 9349

Dpa elastic (mt2)

93-Np-238

Cross Section -54.62 To 32.32 %



18

Incident Energy (eV)

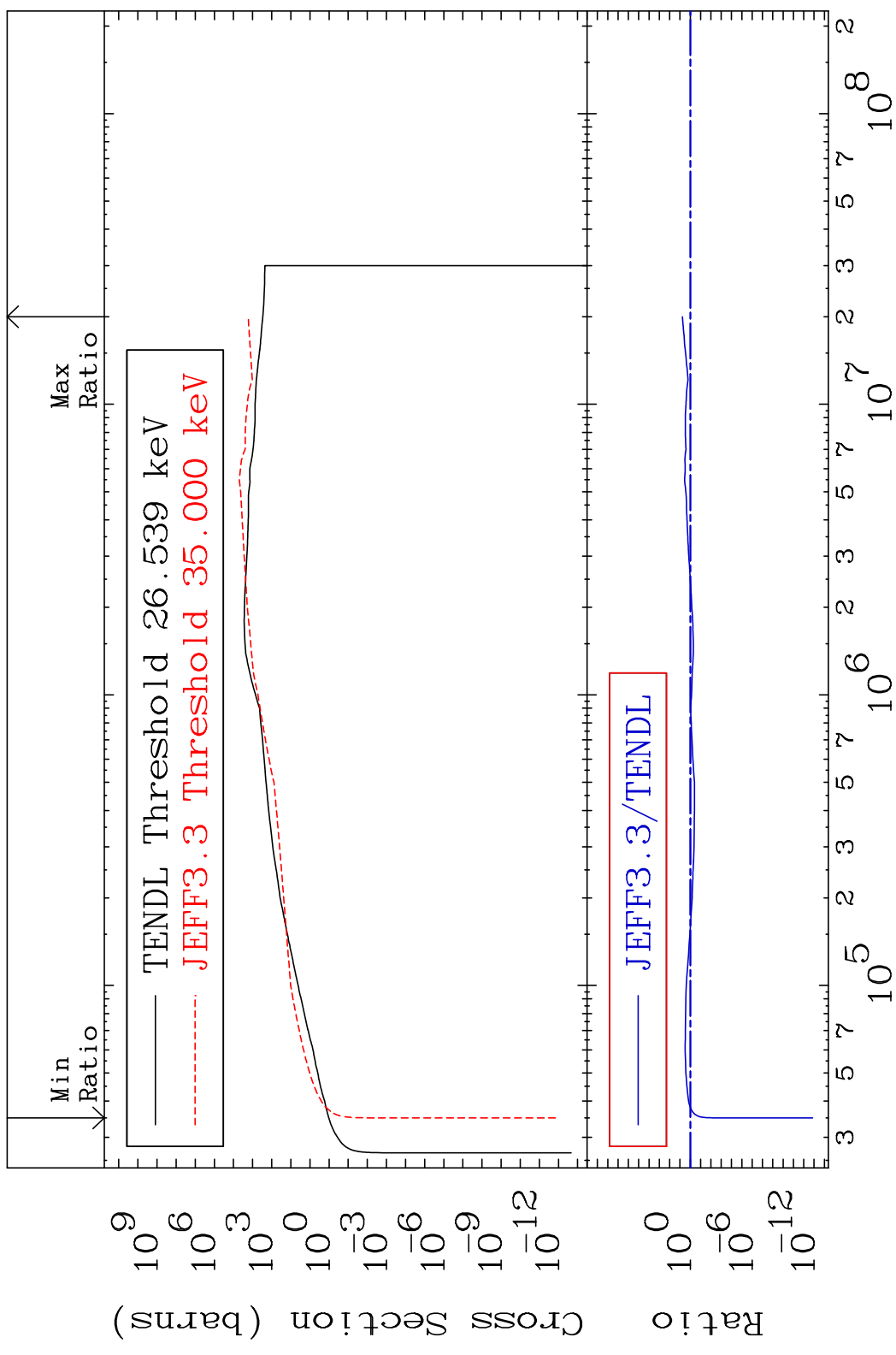
93-Np-238

MAT 9349

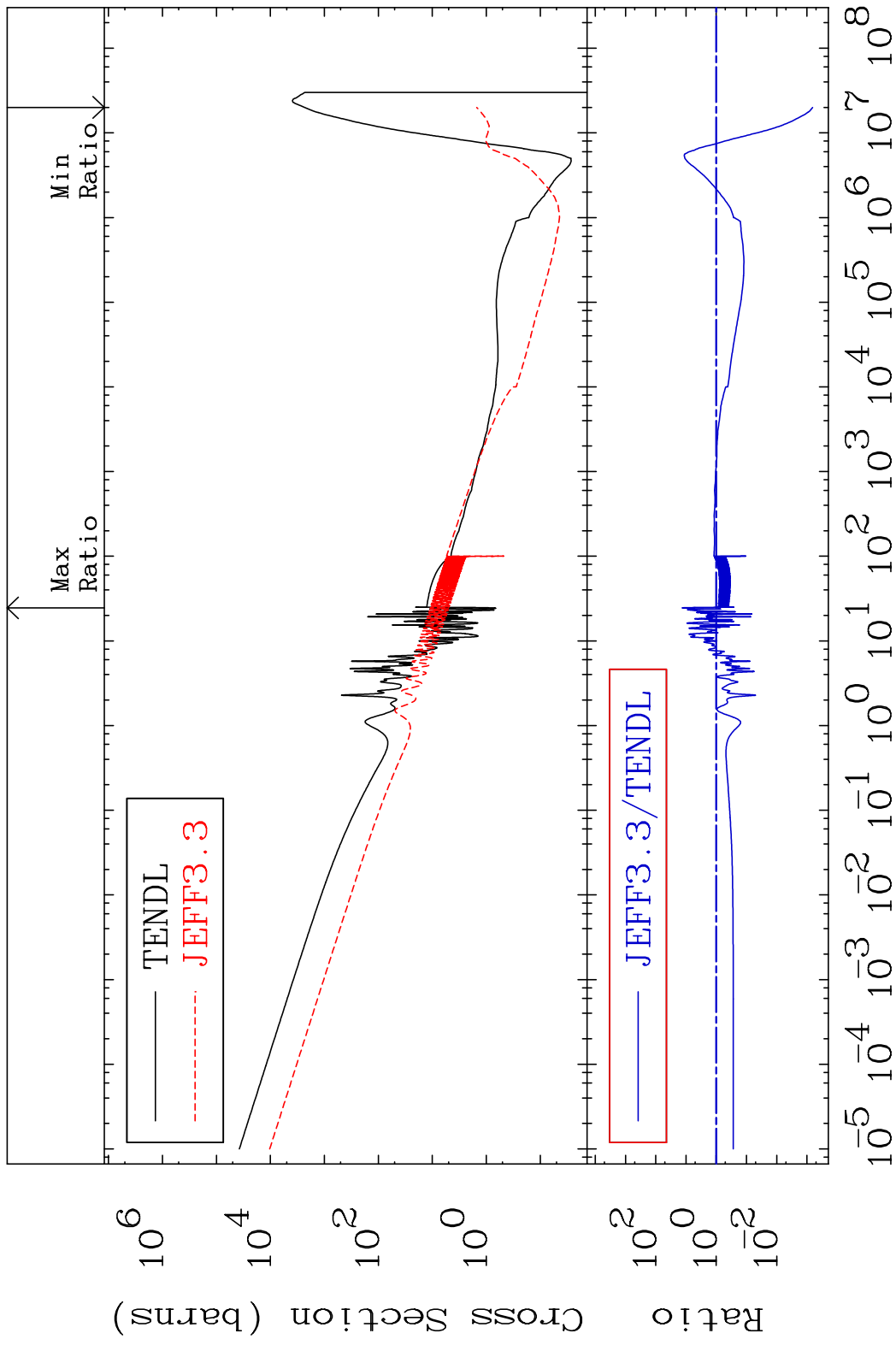
Dpa inelastic (mt51-91)

93-Np-238

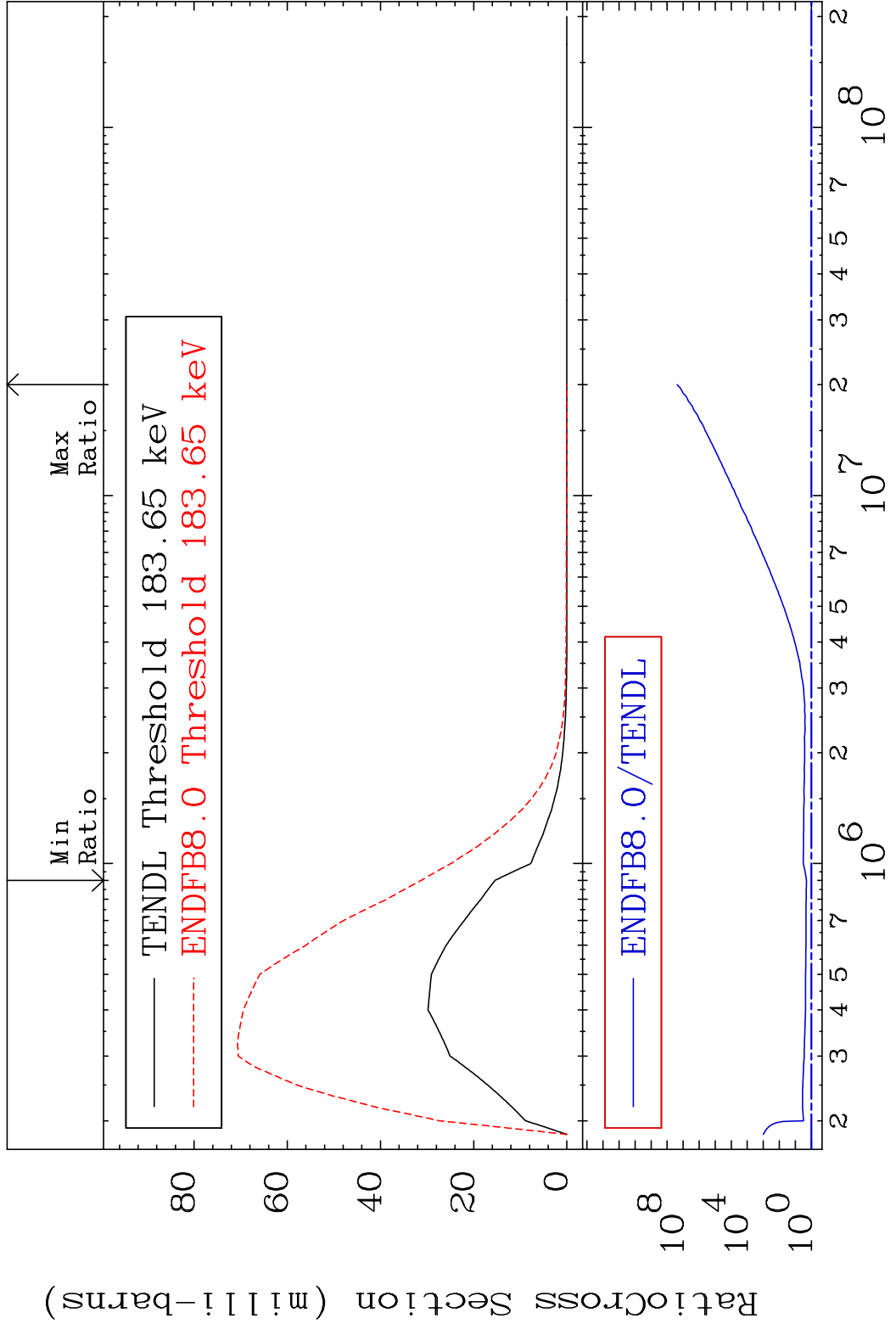
Cross Section -100.0 To 484.5 %



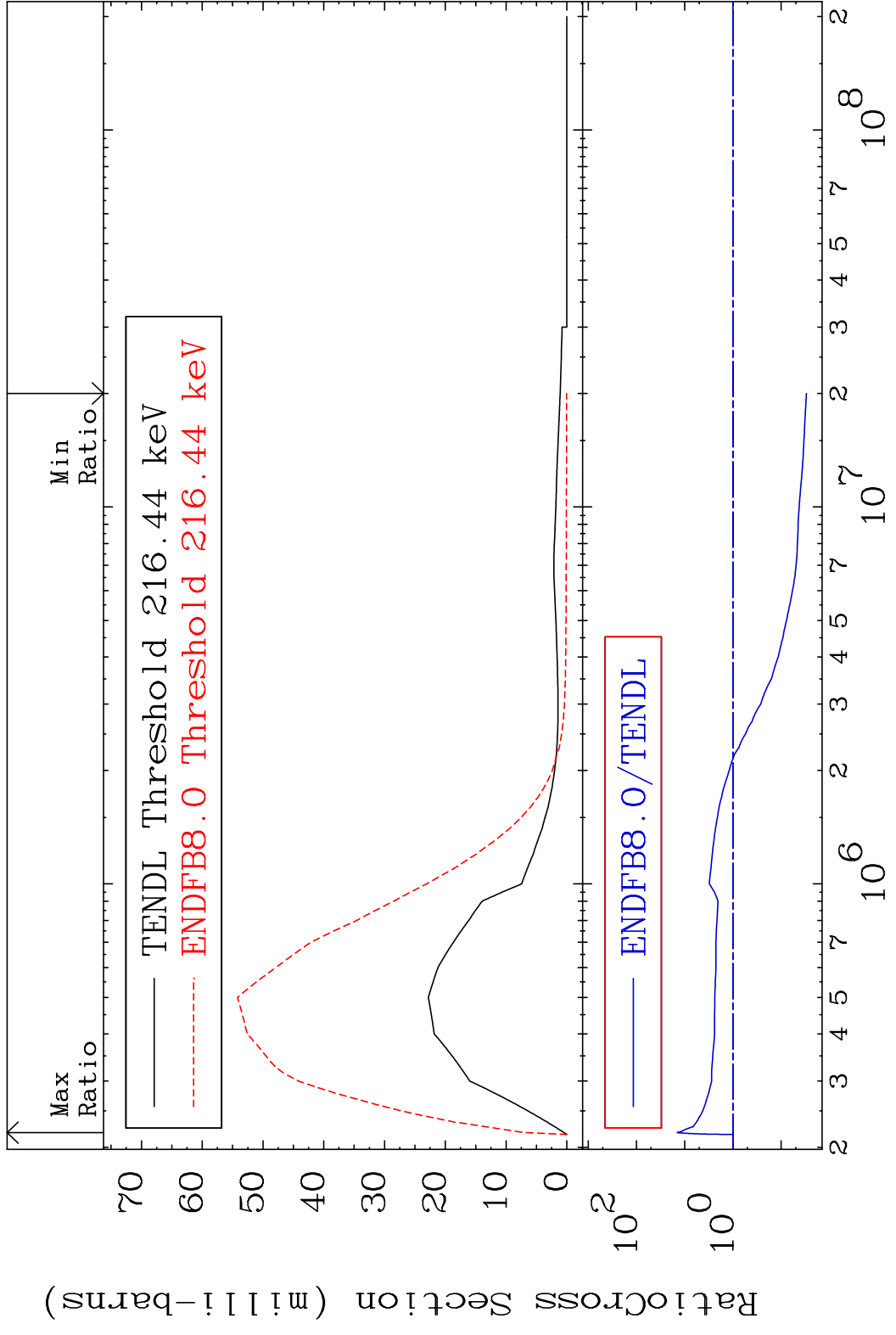
MAT 9349 Dpa disappearance (mt102 -120) 93-Np-238
 Cross Section -99.93 To 1220. %



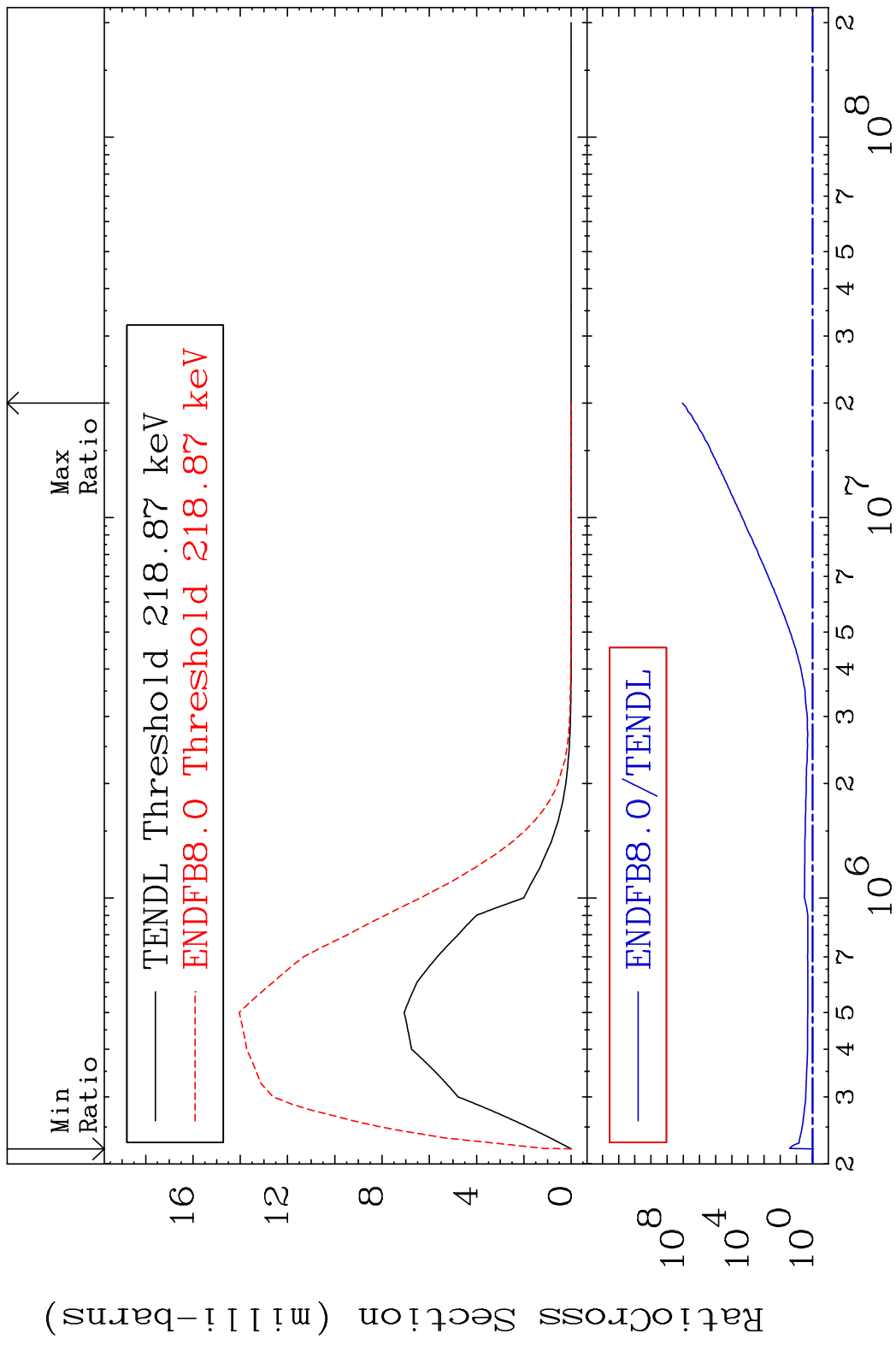
MAT 9349 MT= 60 (n, n') Level 93-Np-238
 Cross Section 102.9 To 9999. %



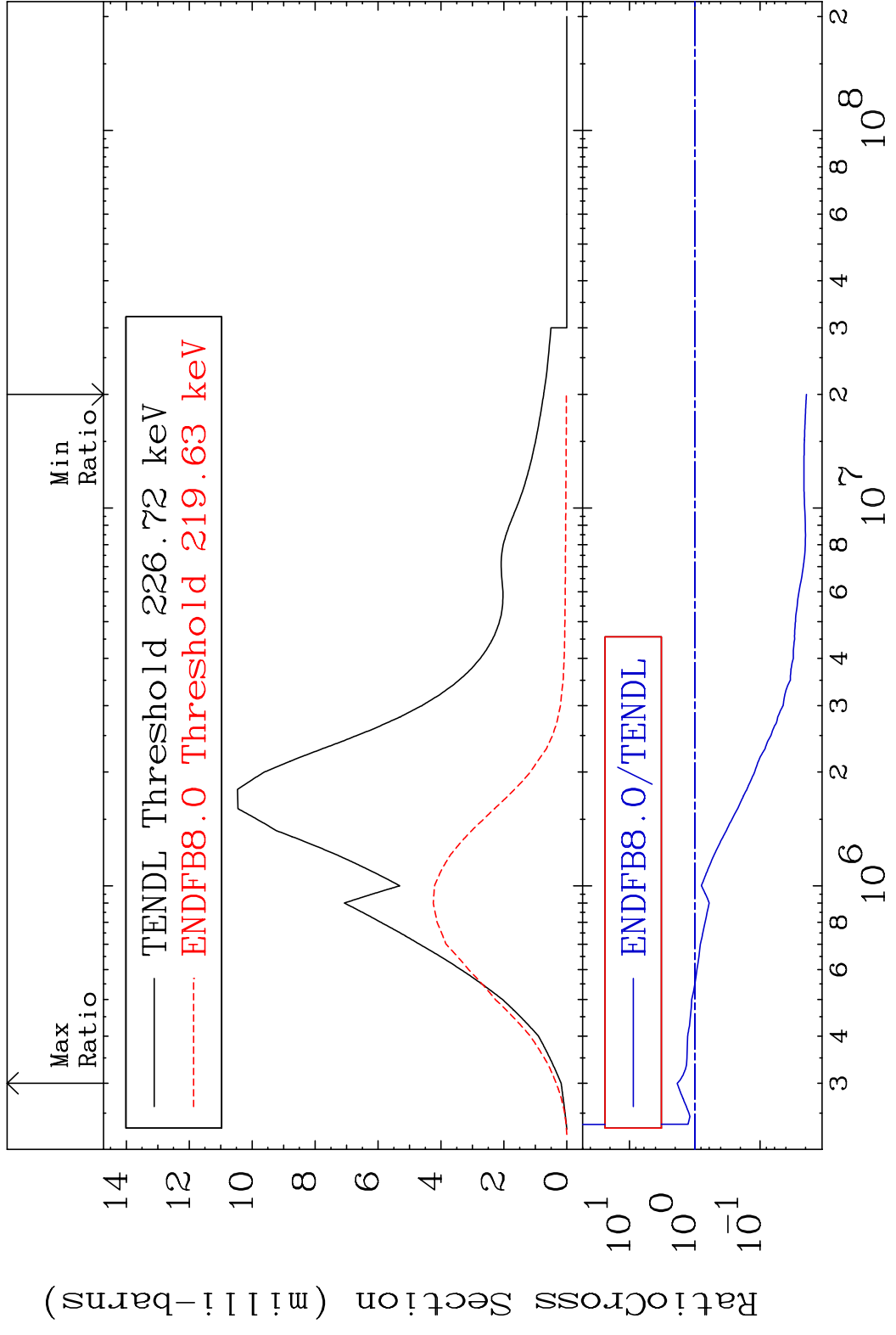
MAT 9349 MT= 61 (n, n') Level 93-Np-238
 Cross Section -97.00 To 1333. %



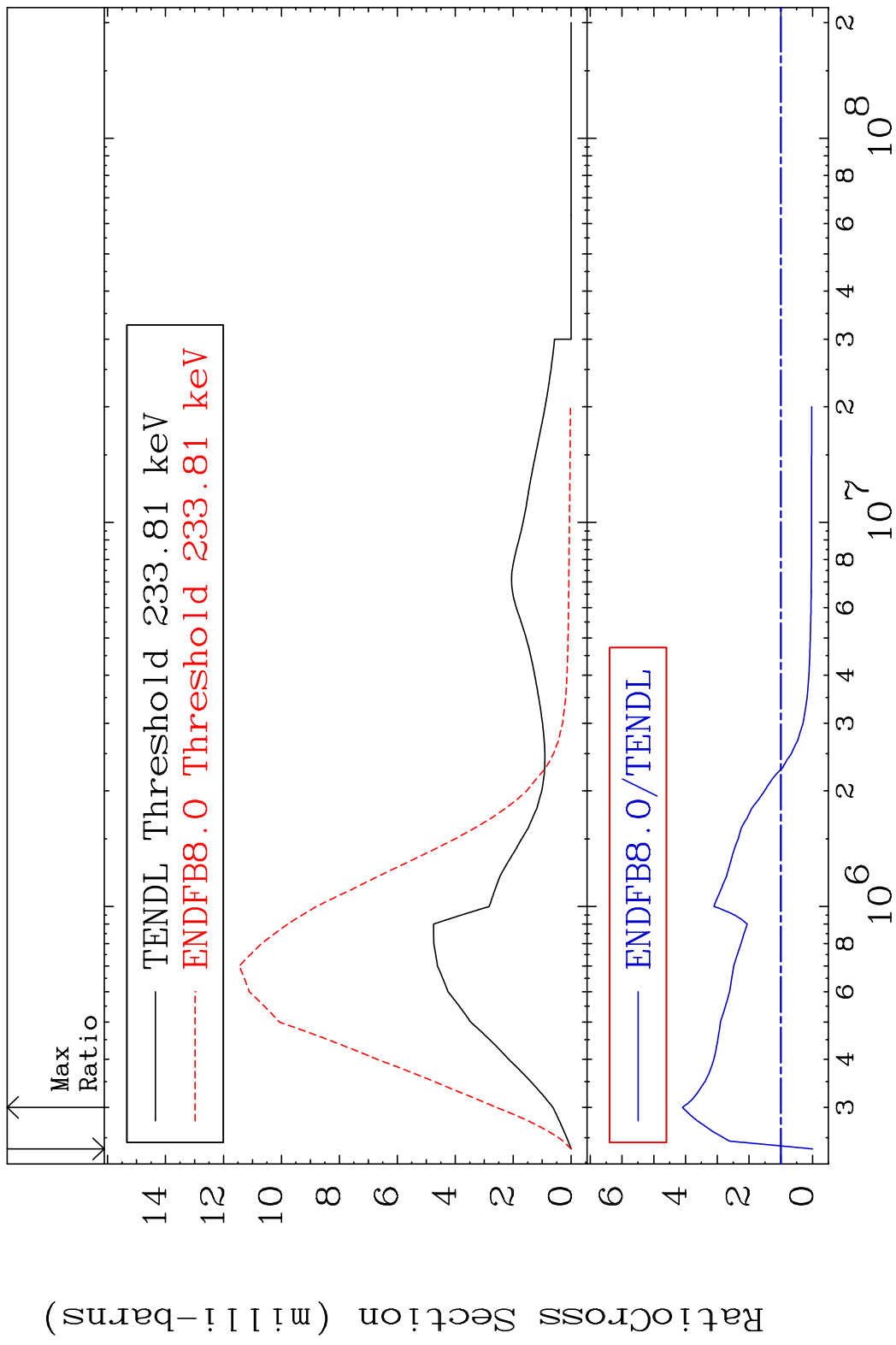
MAT 9349 MT= 62 (n, n') Level 93-Np-238
 Cross Section 0.000 To 9999. %



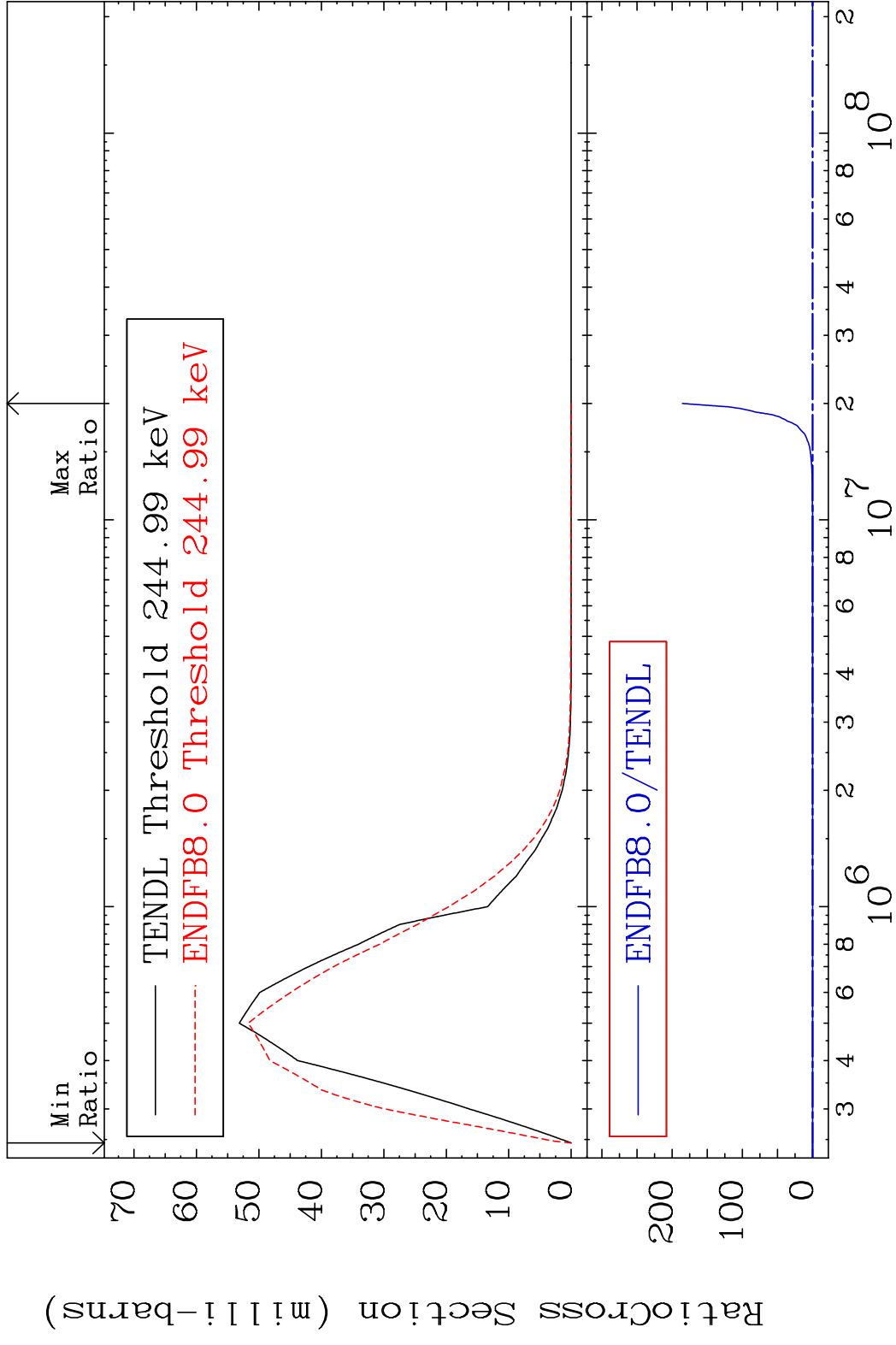
MAT 9349 MT= 63 (n, n') Level 93-Np-238
 Cross Section -98.06 To 86.03 %



MAT 9349 MT= 64 (n, n') Level 93-Np-238
 Cross Section -100.0 To 310.0 %



MAT 9349 MT= 65 (n, n') Level 93-Np-238
 Cross Section -100.0 To 9999. %

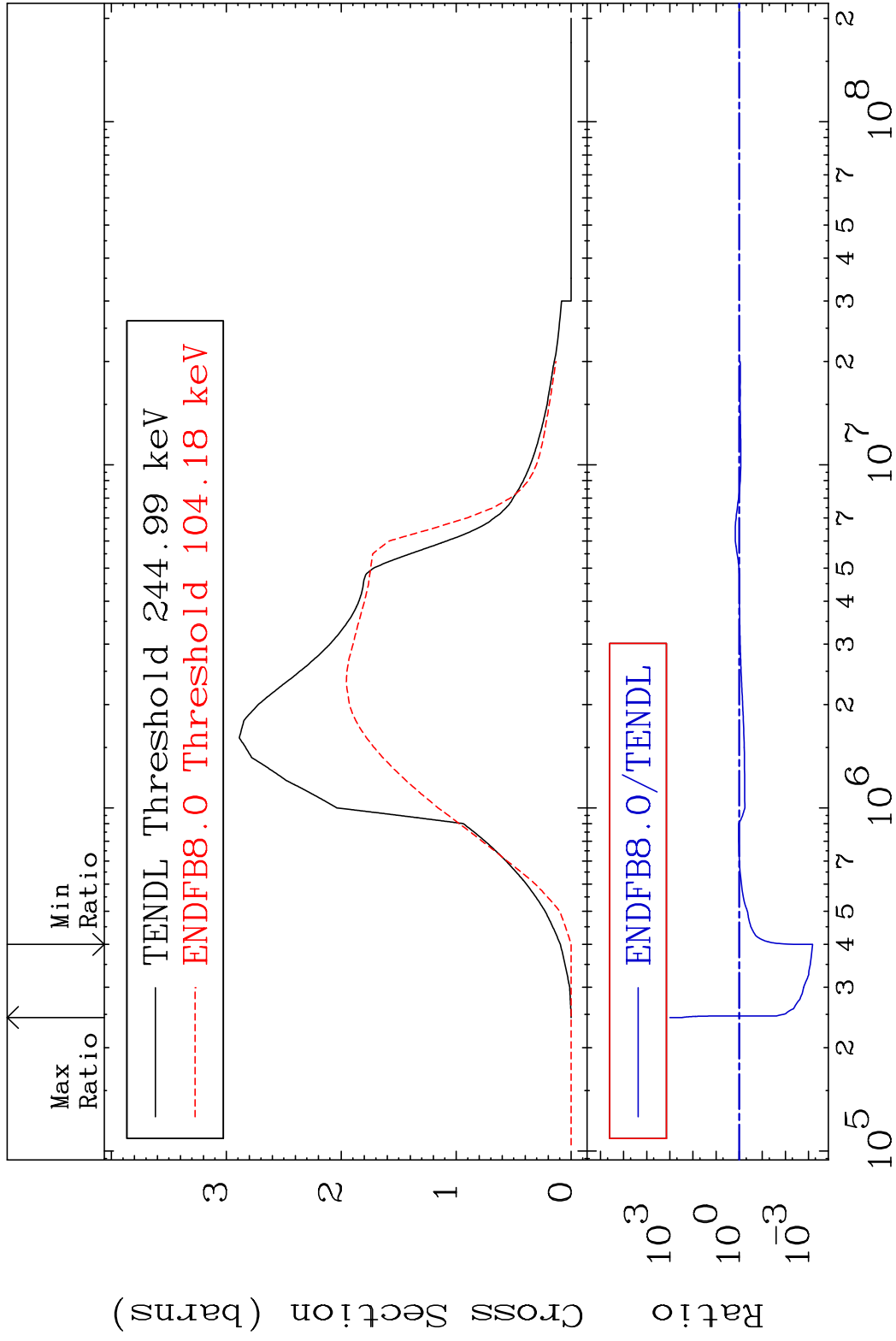


MAT 9349

(n,n') Continuum

93-Np-238

Cross Section -99.93 To 9999. %



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Incident Energy (eV)

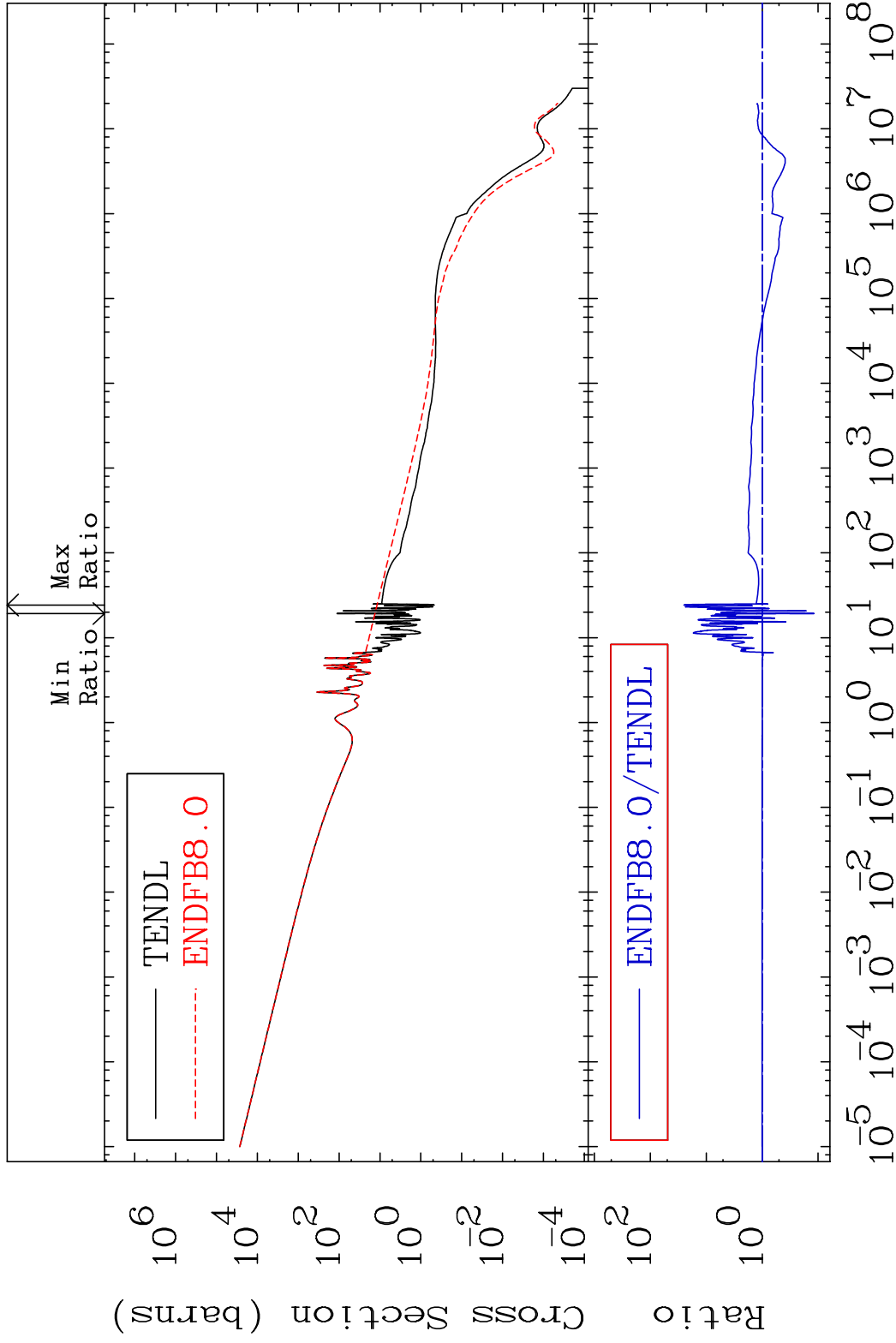
93-Np-238

MAT 9349

(n, γ)

93-Np-238

Cross Section -88.19 To 2436. %



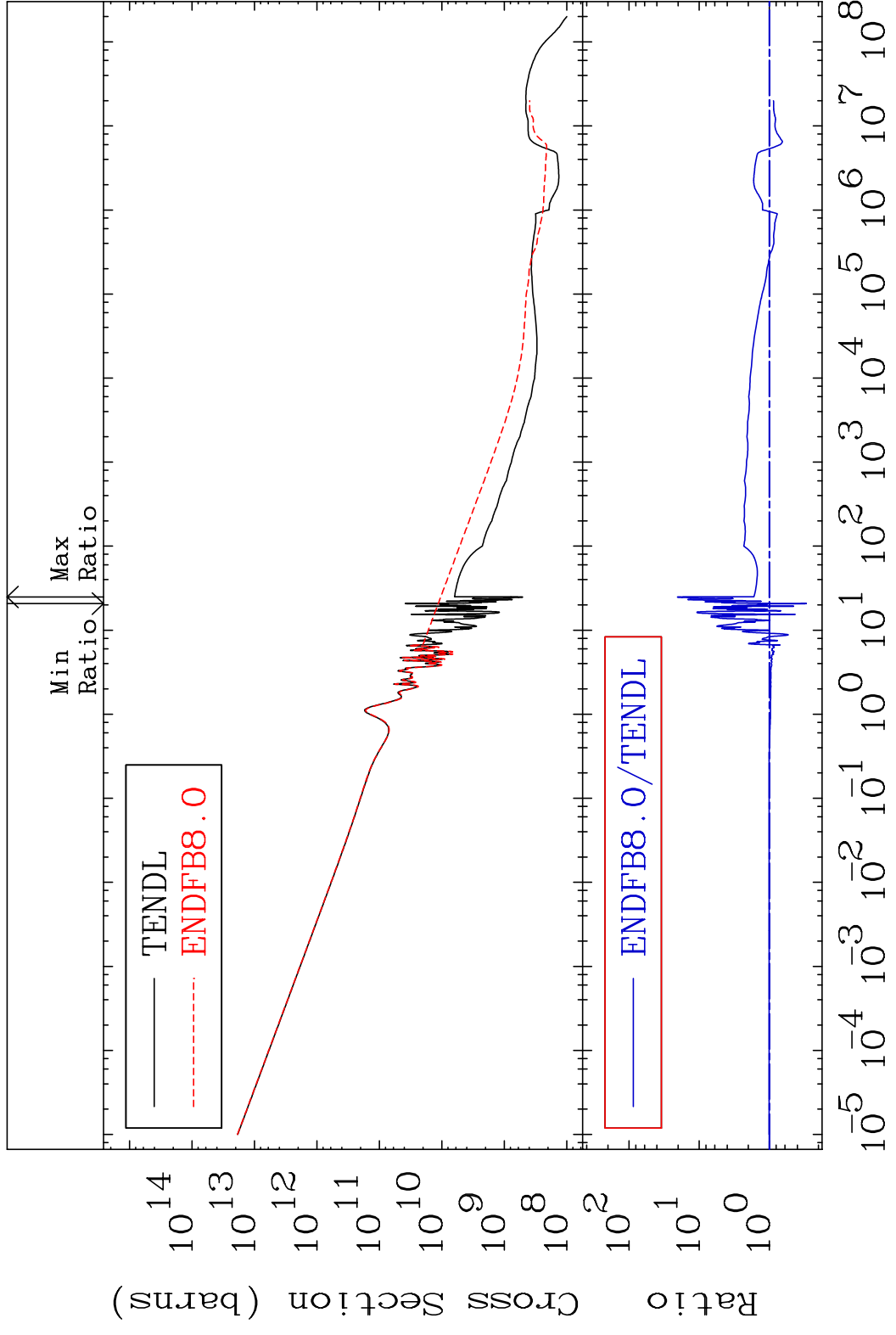
28

Incident Energy (eV)

93-Np-238

MAT 9349

Kerma total (eV-barns) 93-Np-238
Cross Section -70.30 To 1960. %

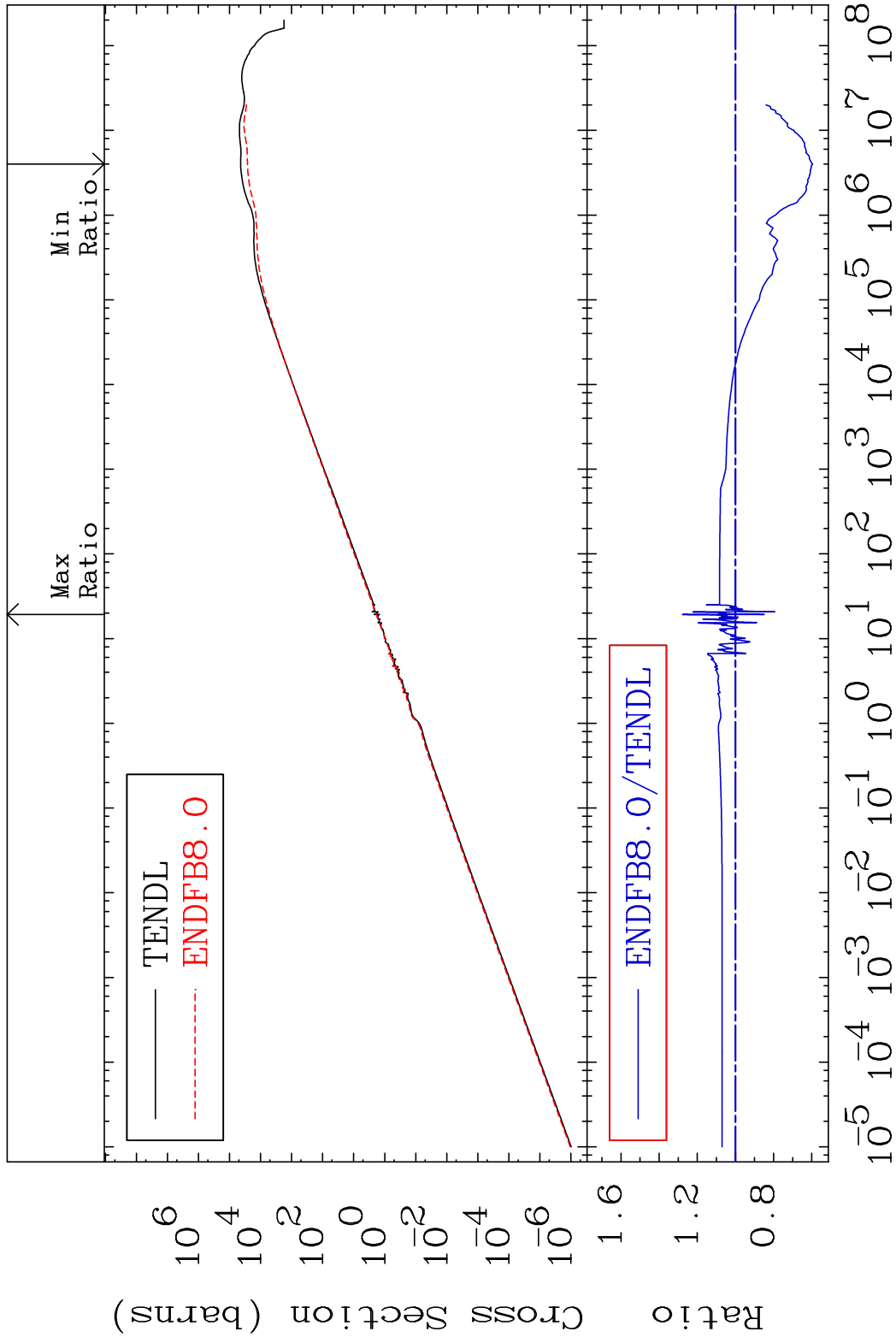


MAT 9349

Kerma elastic
Cross Section

93-Np-238

-40.40 To 27.84 %

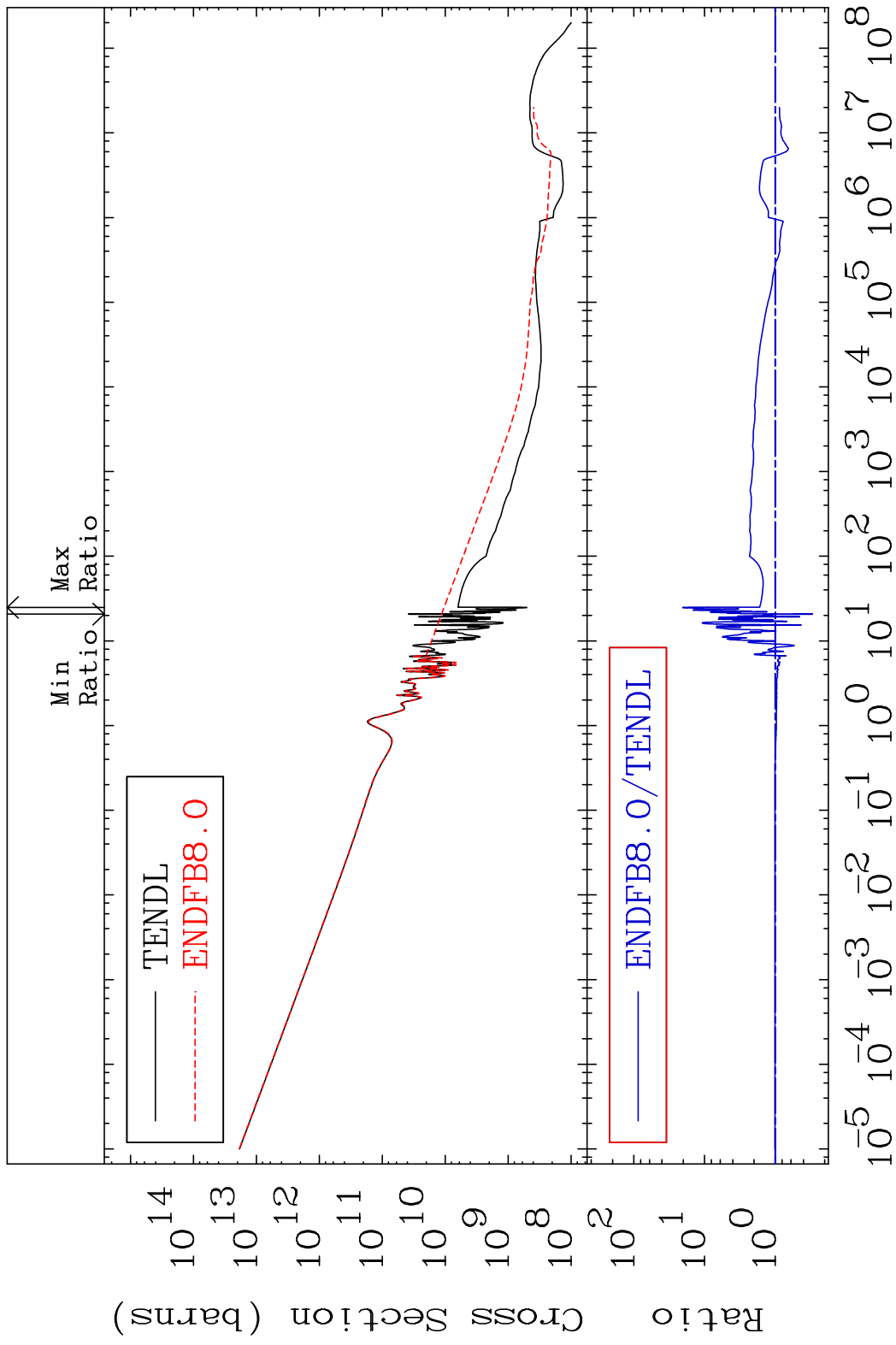


30

Incident Energy (eV)

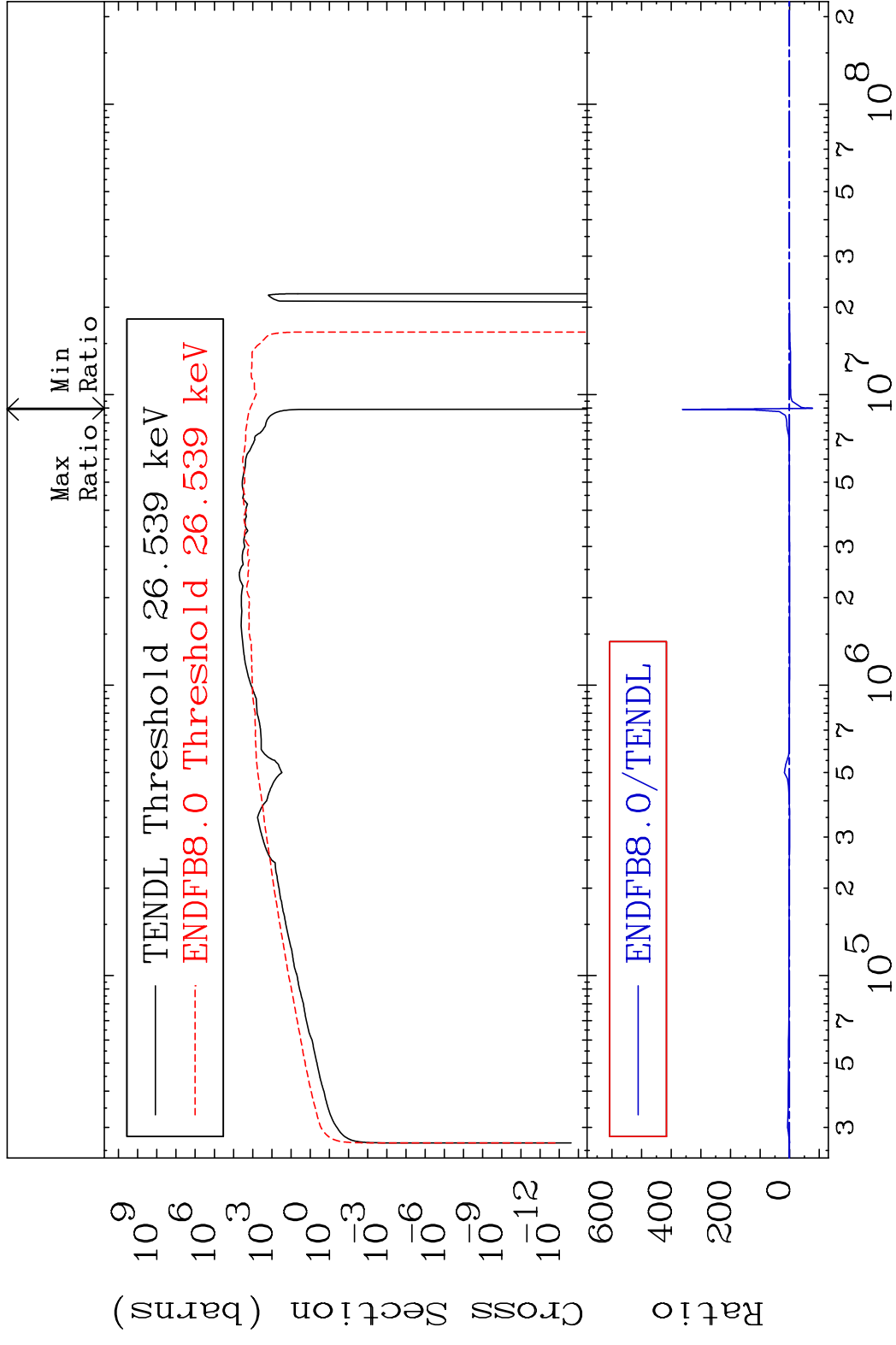
93-Np-238

MAT 9349 Kerma non-elastic (all but mt2) 93-Np-238
 Cross Section -70.30 To 1960. %

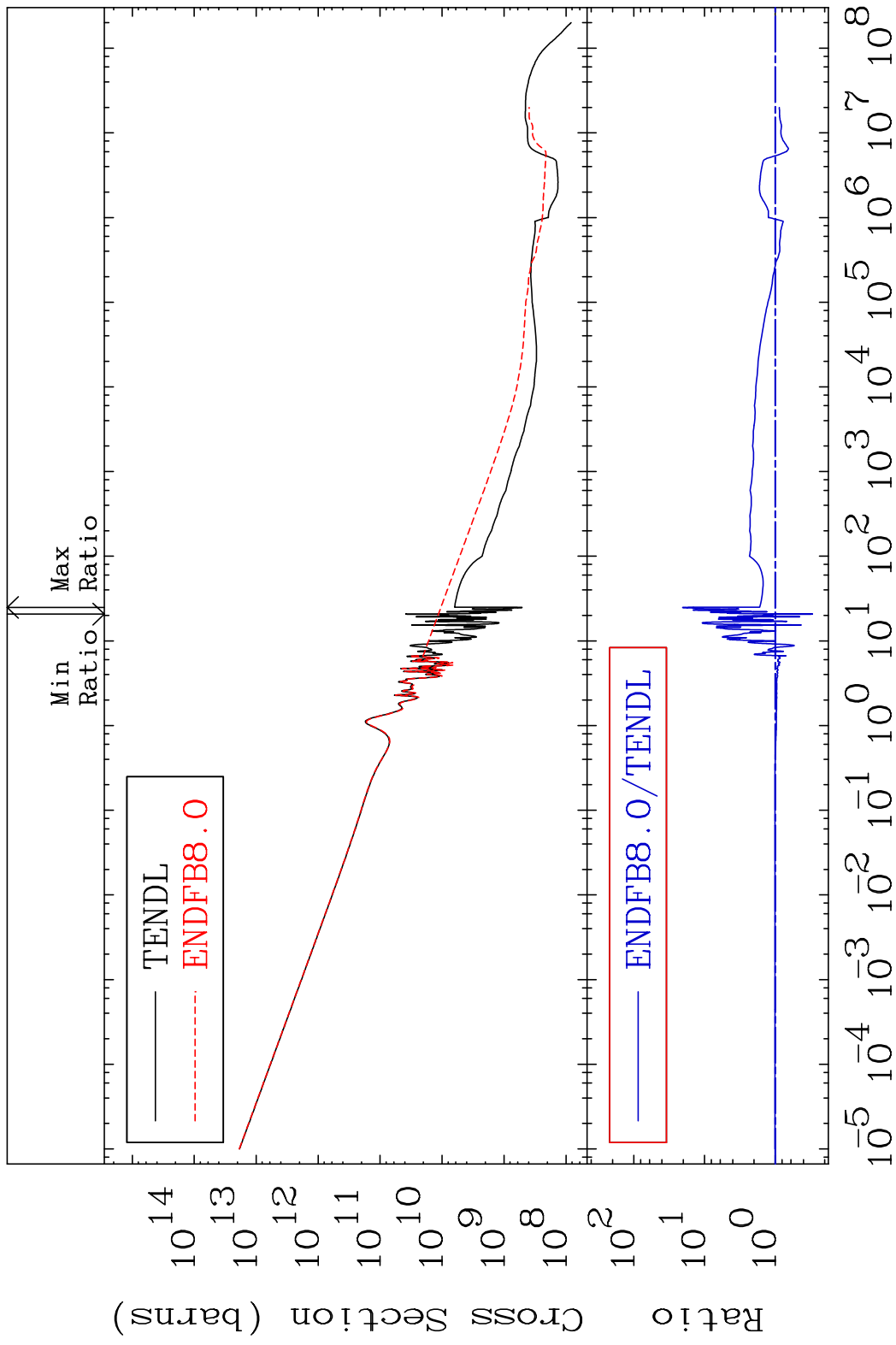


MAT 9349

Kerma inelastic (mt51-91) 93-Np-238
Cross Section -7821. To 9999. %

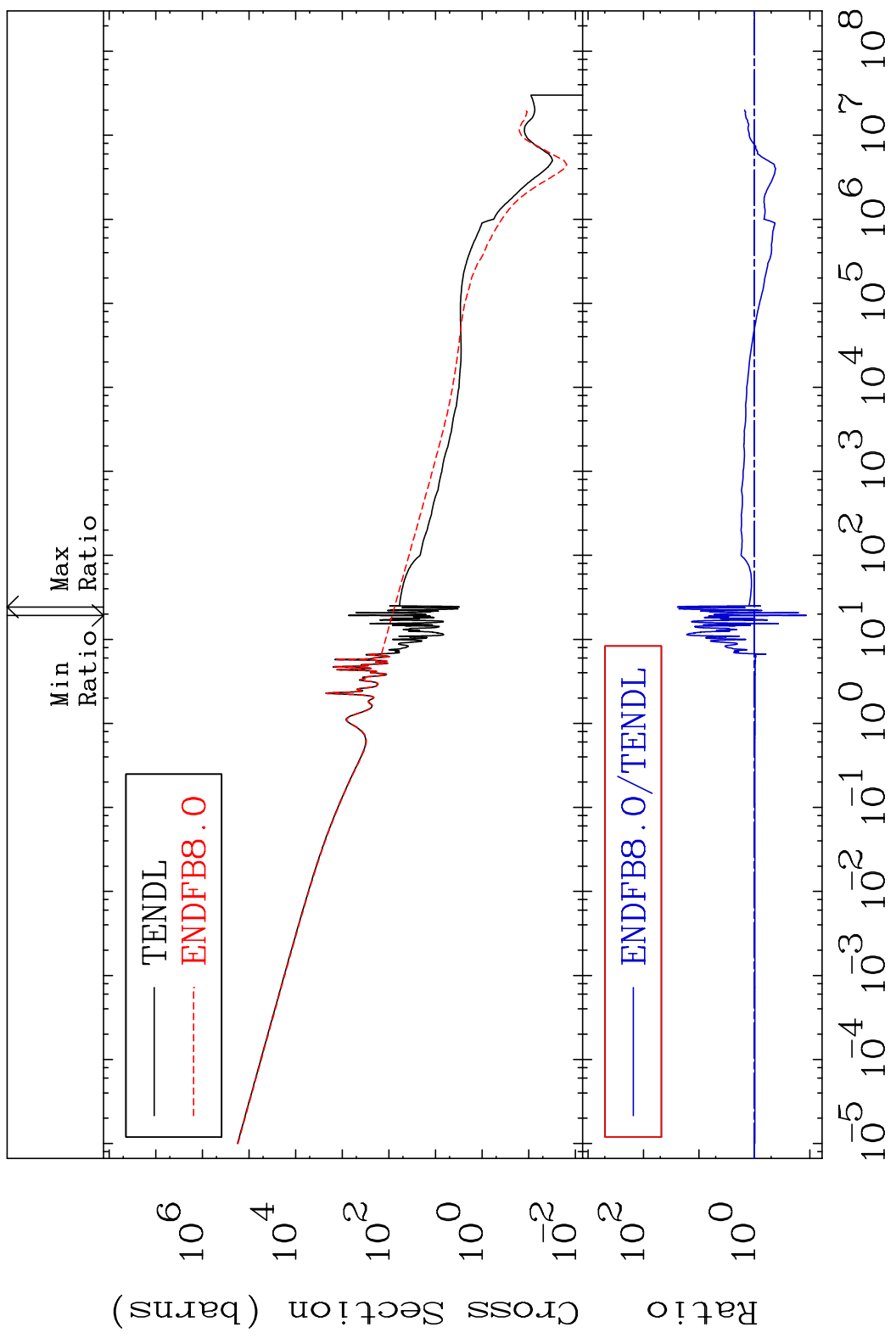


MAT 9349 Kerma fission (mt18 or mt19-20-21-38) 93-Np-238
 Cross Section -70.30 To 1960. %

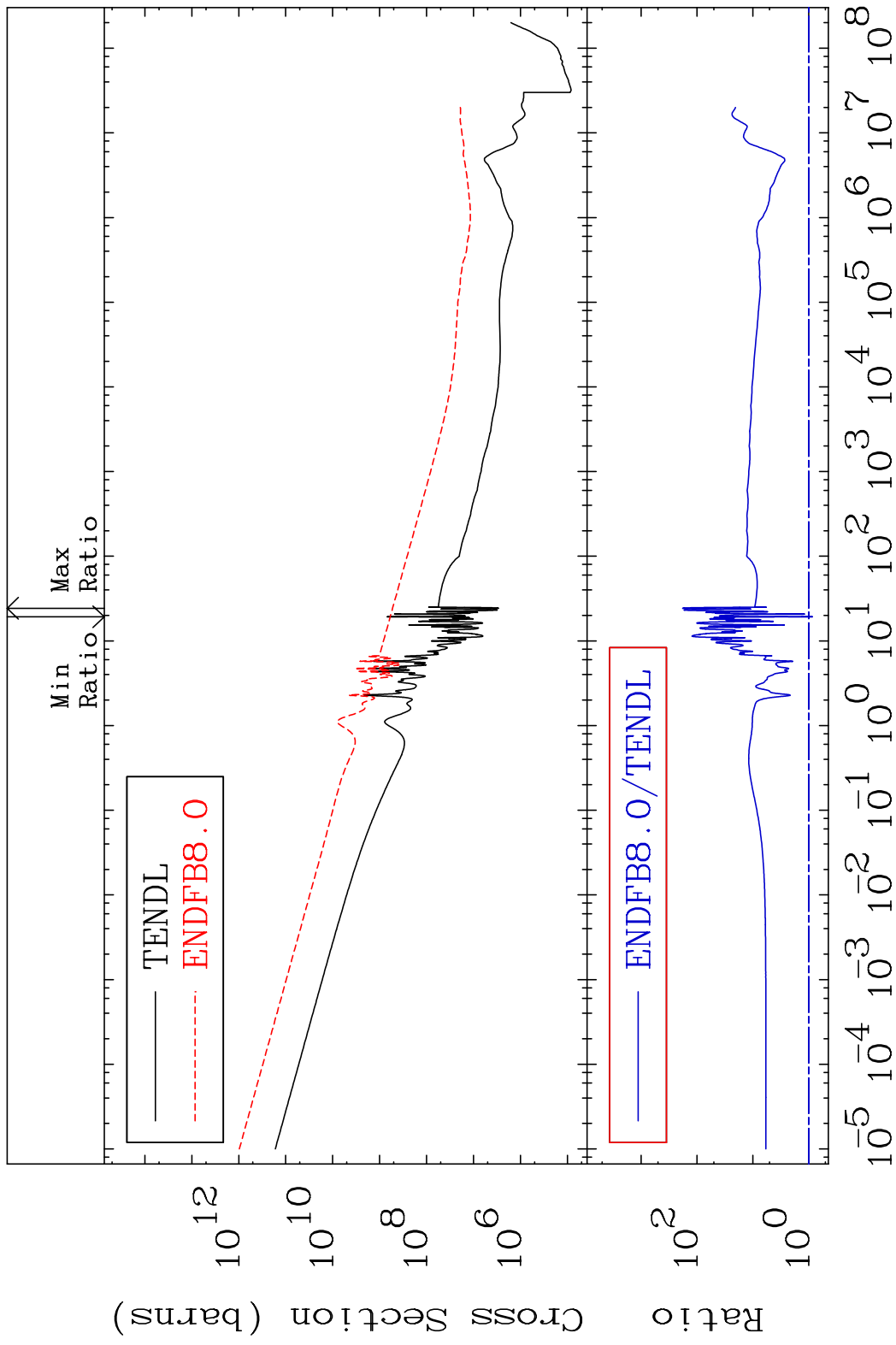


MAT 9349

Kerma capture (mt102) 93-Np-238
Cross Section -88.48 To 2373. %

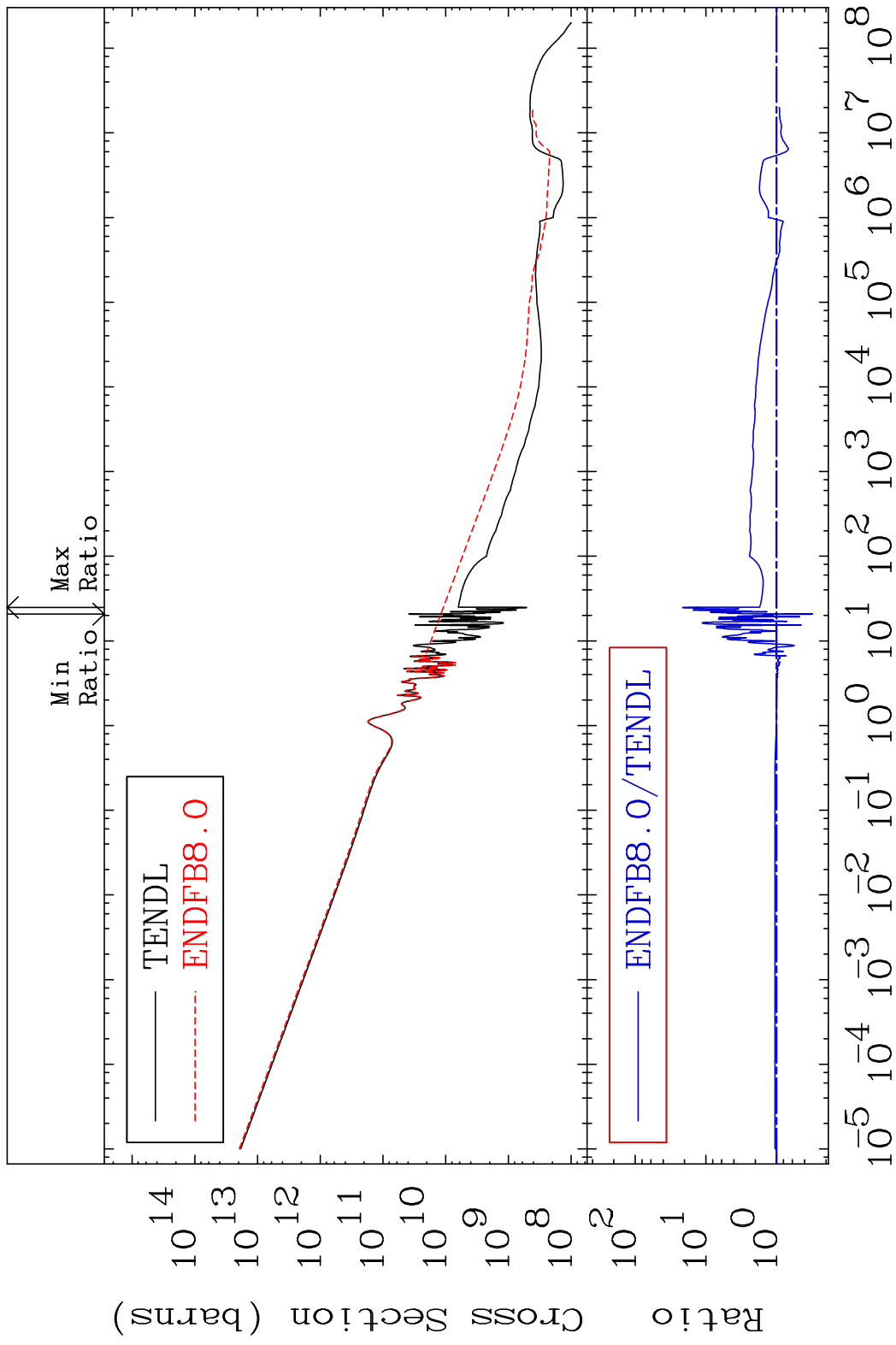


MAT 9349 Total photon (eV-barns) 93-Np-238
 Cross Section -14.91 To 9999. %



35 Incident Energy (eV) 93-Np-238

MAT 9349 Total kinematic kerma (high limit) 93-Np-238
 Cross Section -69.02 To 2048. %

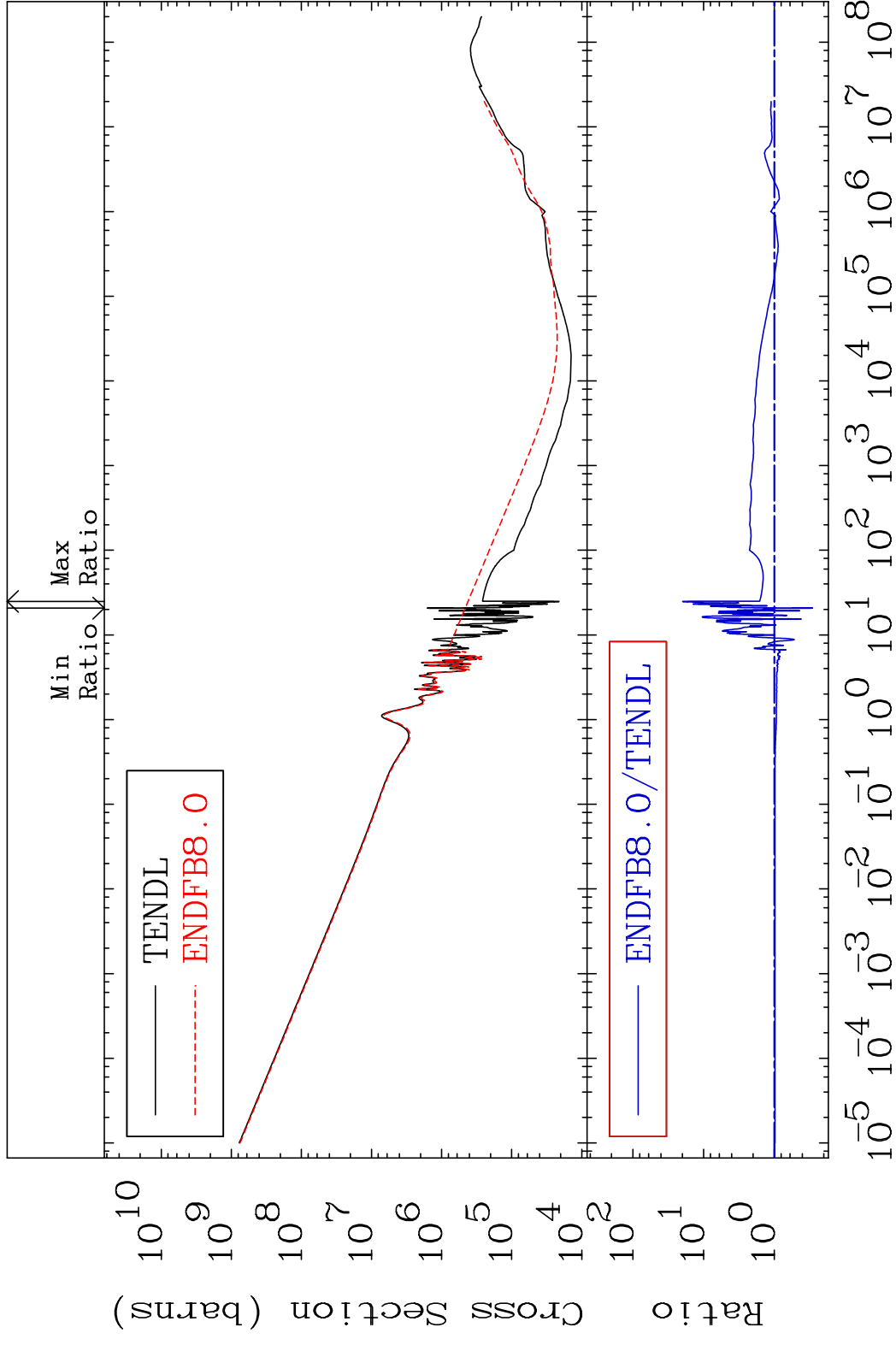


MAT 9349

Dpa total (eV-barns)

93-Np-238

Cross Section -71.21 To 1896. %



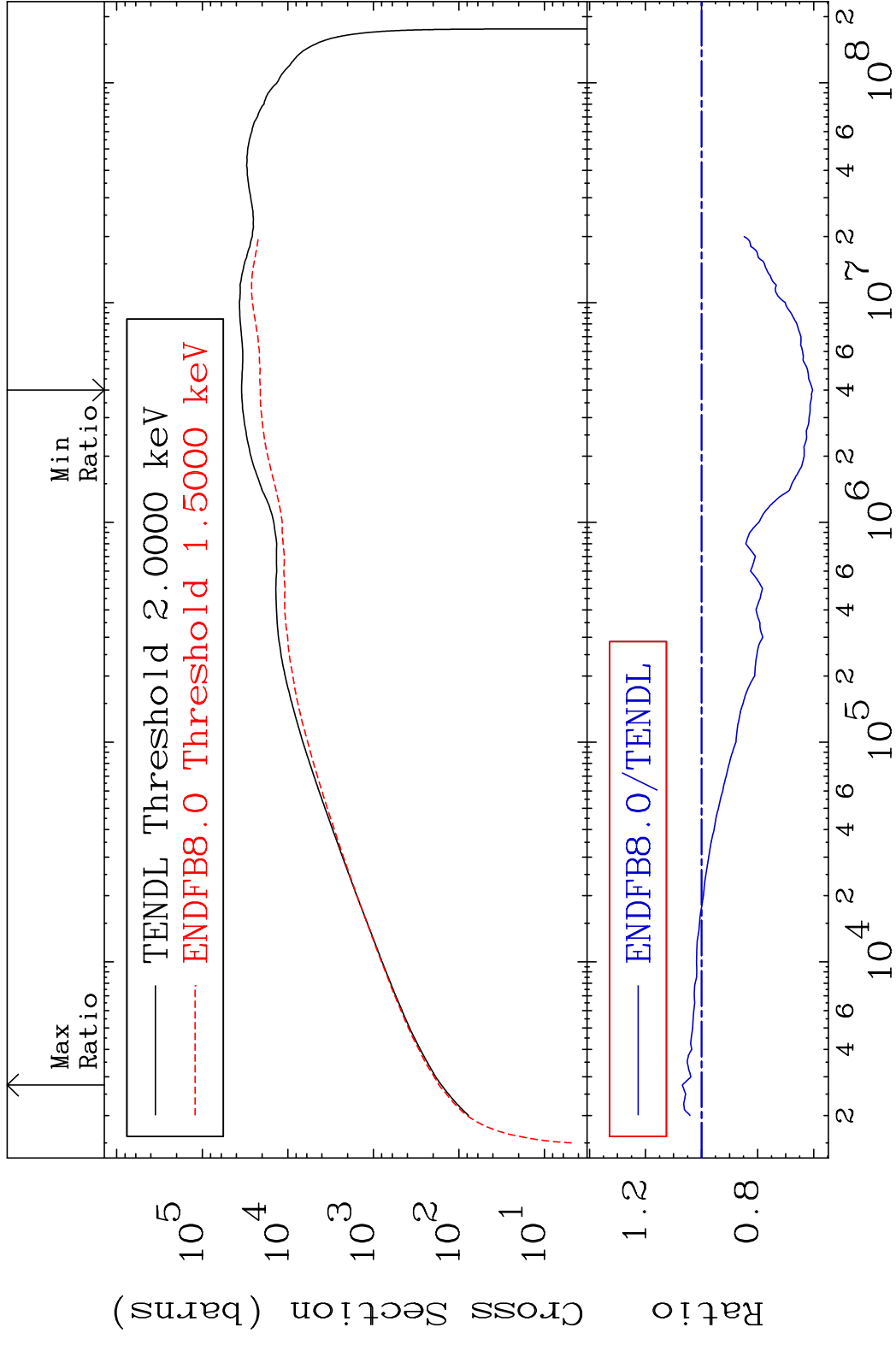
MAT 9349

Dpa elastic (mt2)

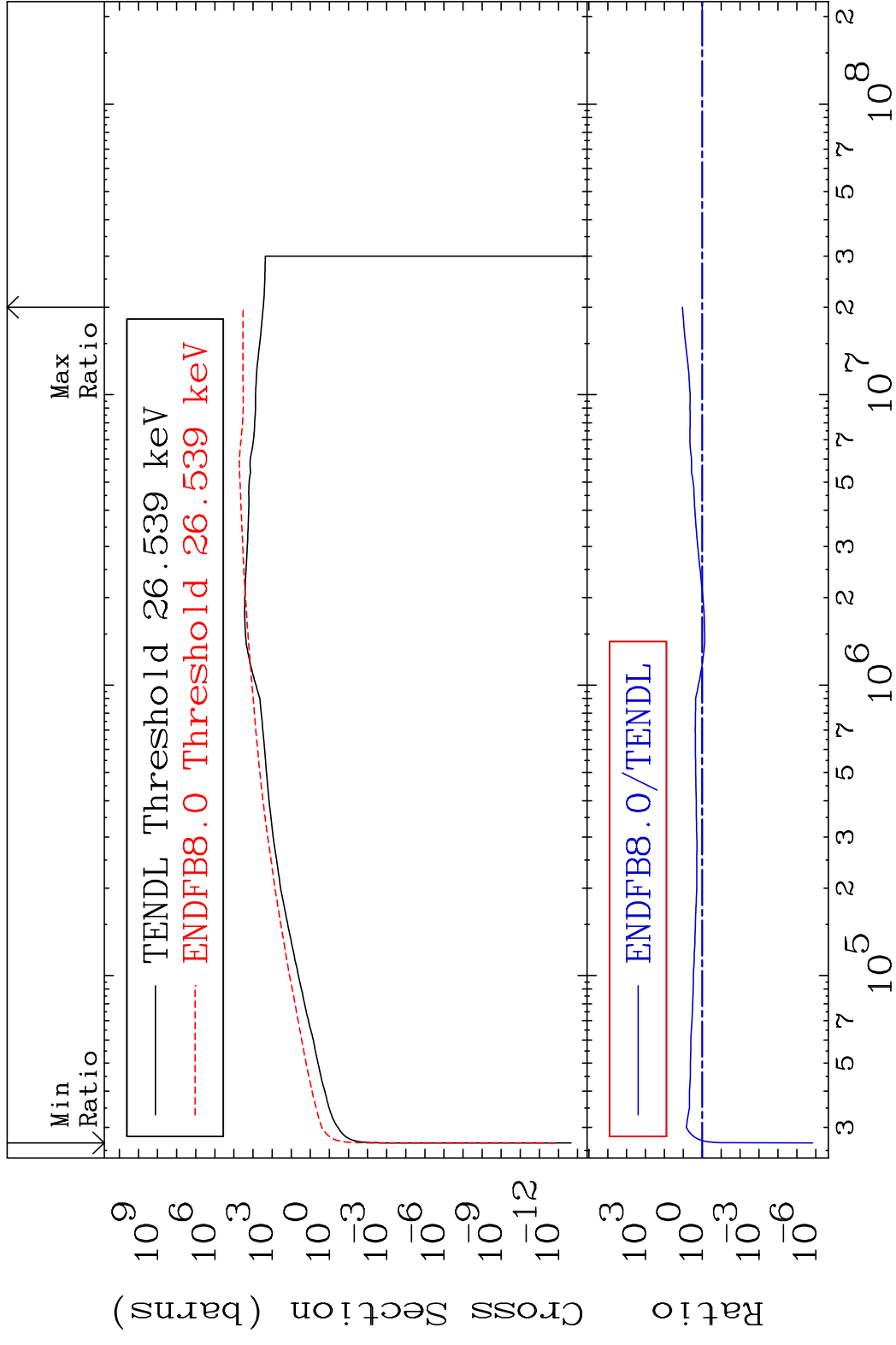
93-Np-238

Cross Section

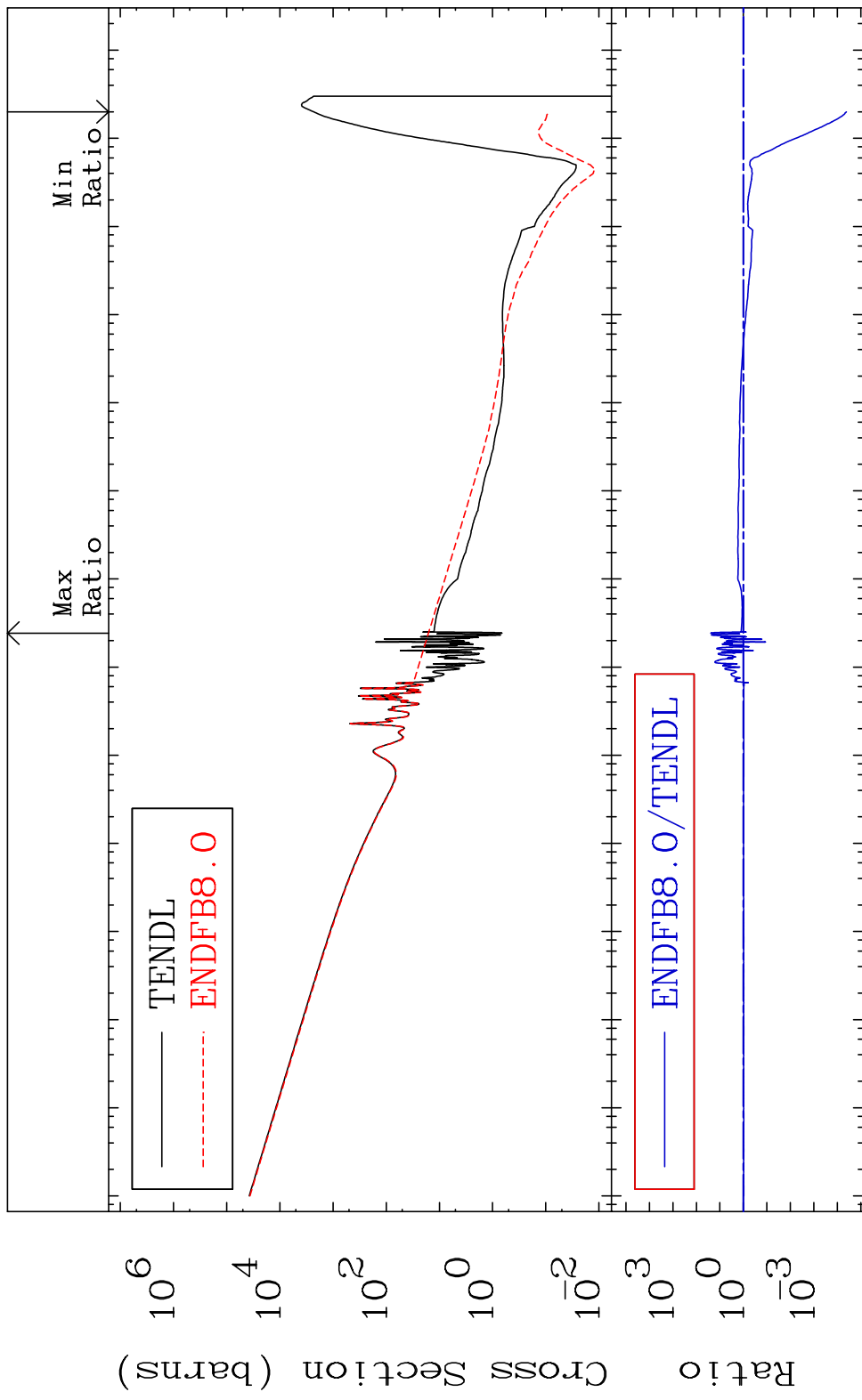
-39.61 To 6.853 %



MAT 9349 Dpa inelastic (mt51-91) 93-Np-238
 Cross Section -100.0 To 1030. %



MAT 9349 Dpa disappearance (mt102 -120) 93-Np-238
 Cross Section -100.0 To 2356. %



40 Incident Energy (eV) 93-Np-238