

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

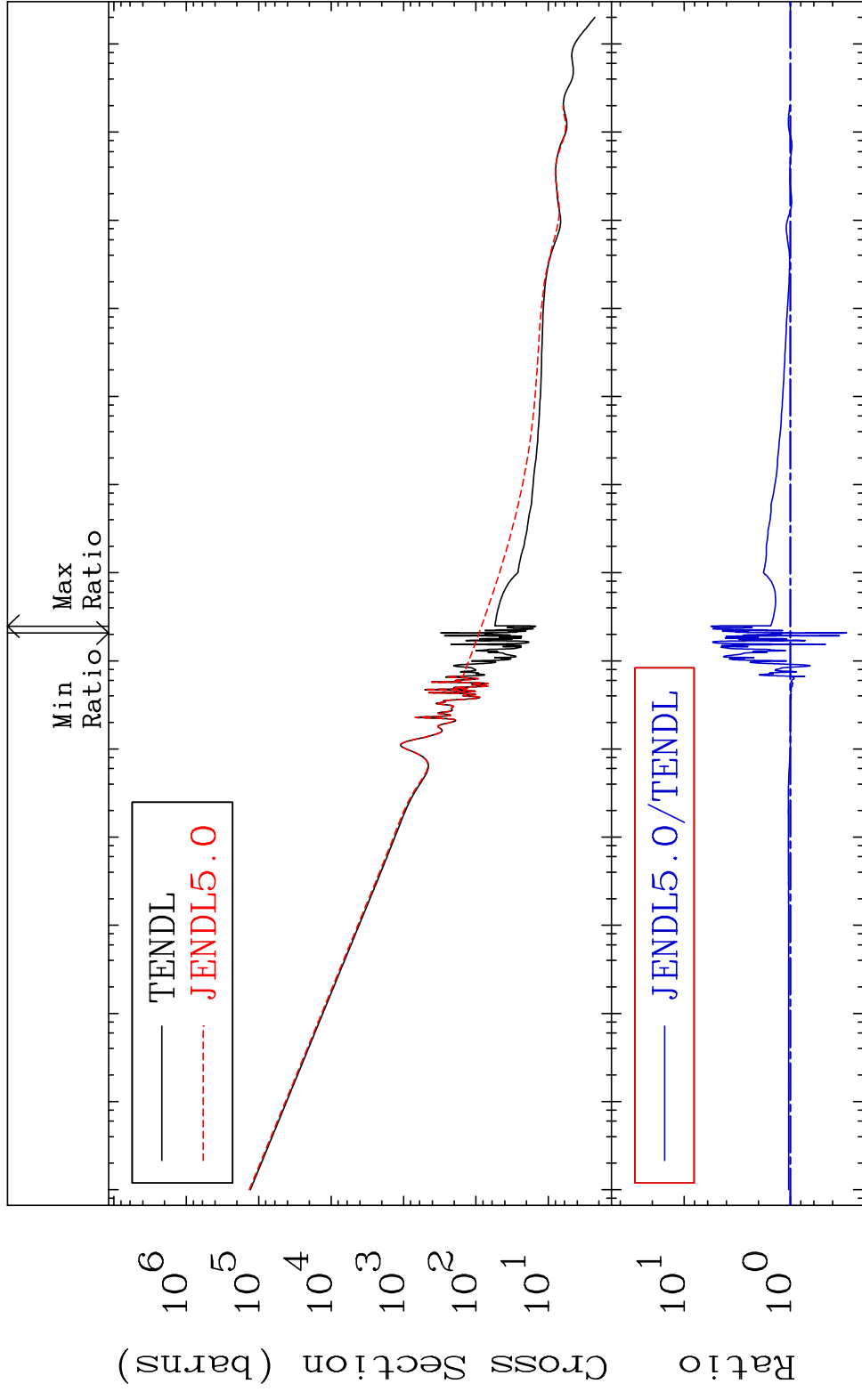
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9349

Total
Cross Section -70.29 To 462.9 %

93-Np-238



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

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

Incident Energy (eV)

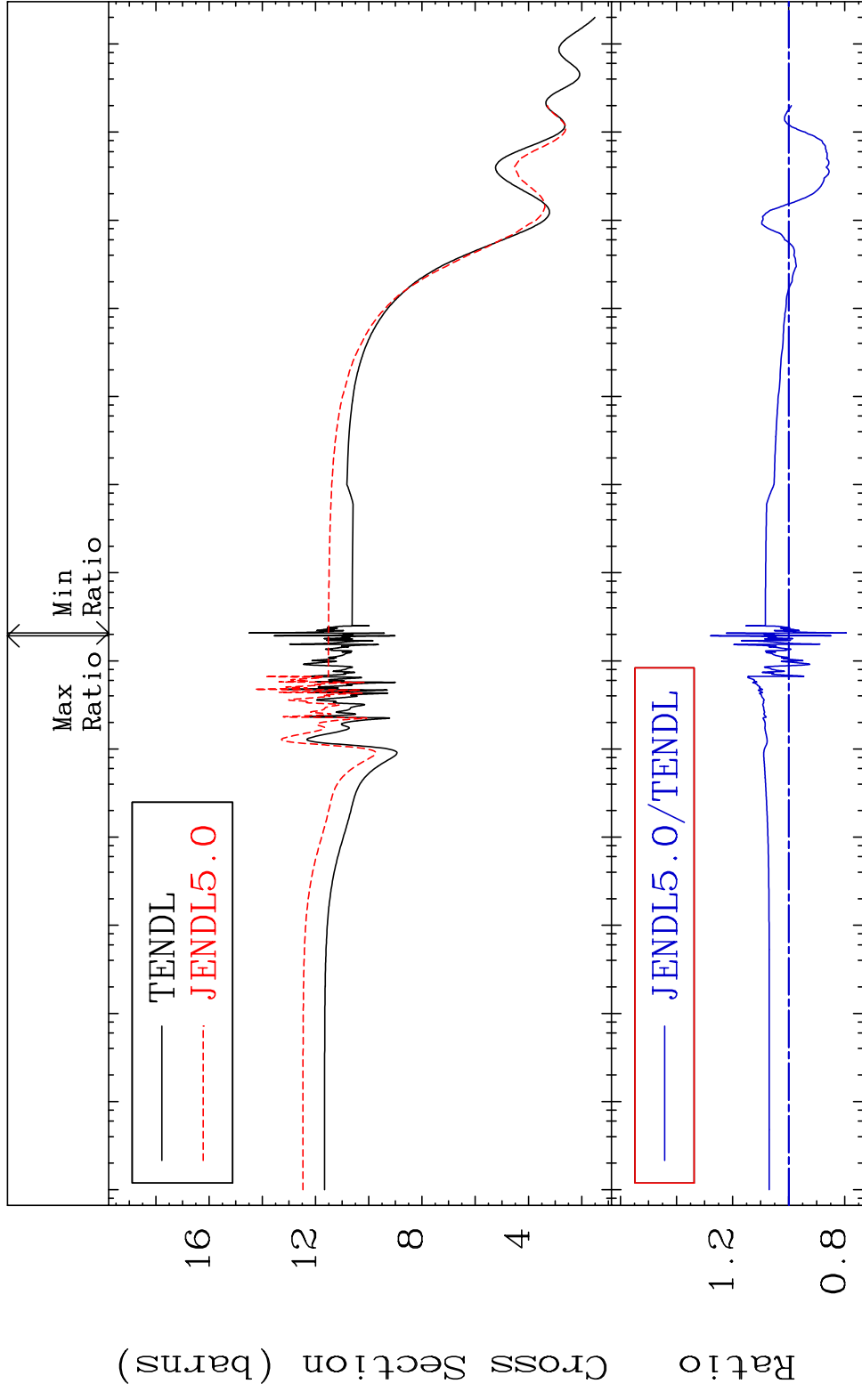
93-Np-238

MAT 9349

Elastic

93-Np-238

Cross Section -20.54 To 27.84 %



2

Incident Energy (eV)

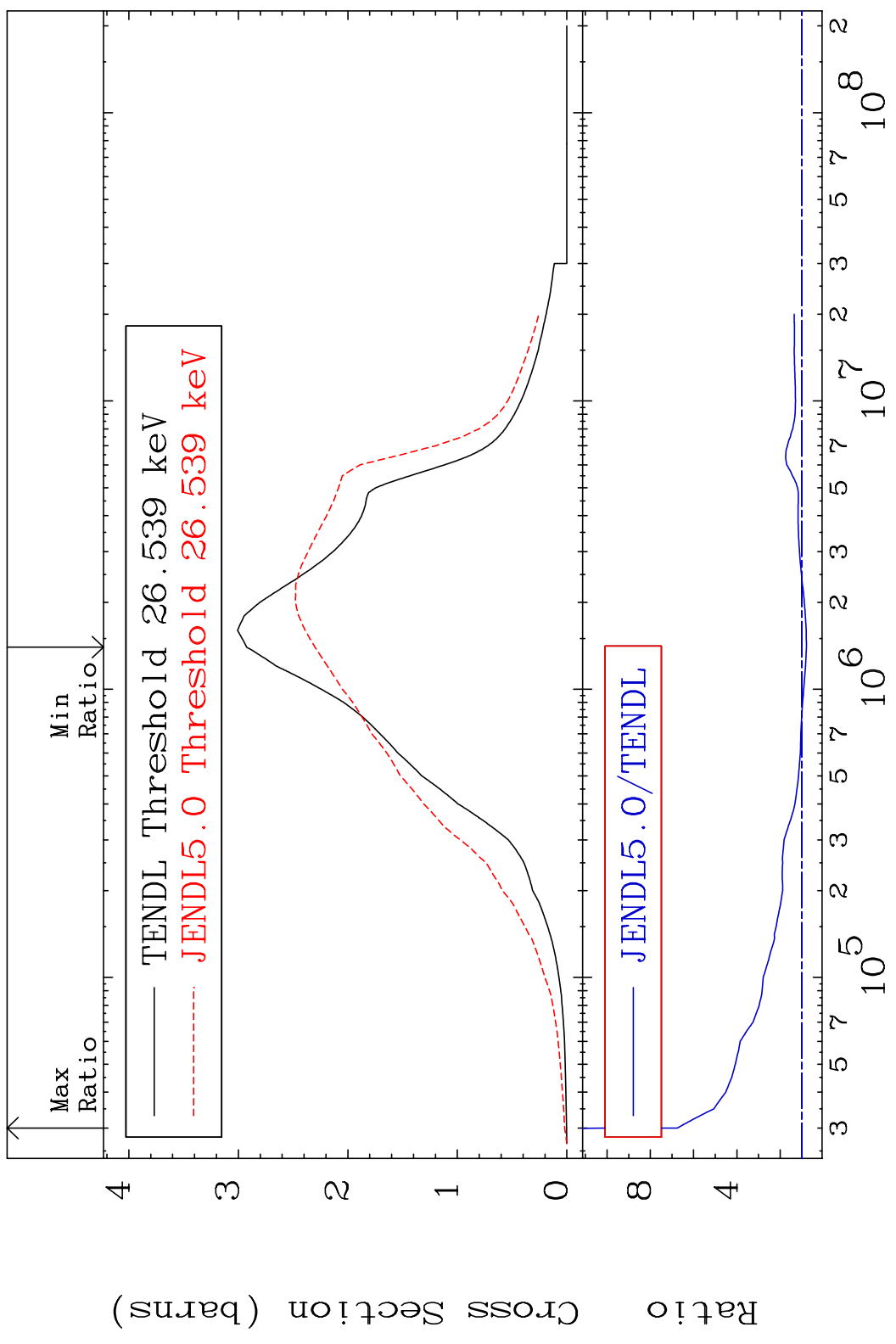
93-Np-238

MAT 9349

Inelastic

93-Np-238

Cross Section -21.33 To 575.8 %



3

Incident Energy (eV)

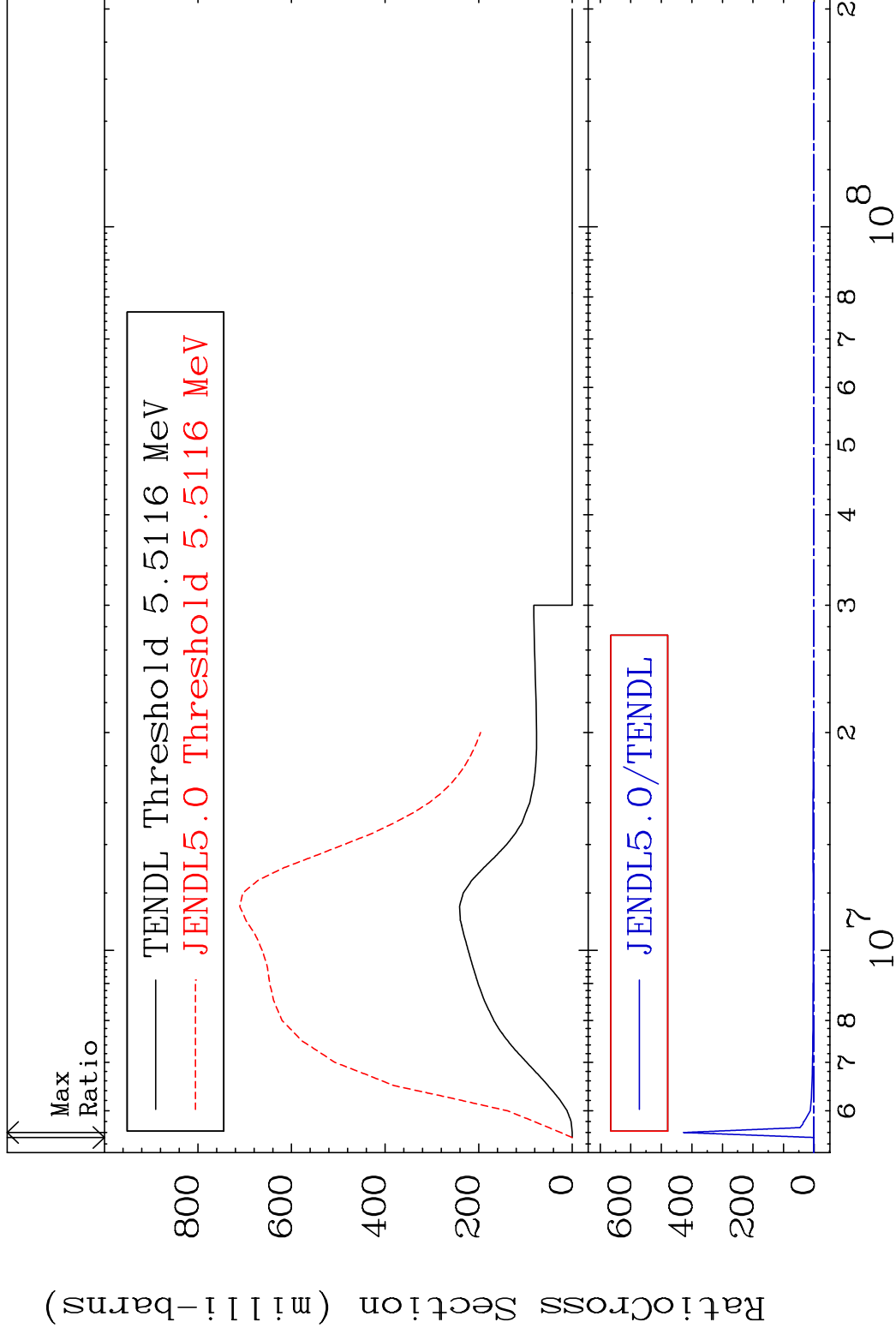
93-Np-238

MAT 9349

(n,2n)

93-Np-238

Cross Section -100.0 To 9999. %



4

Incident Energy (eV)

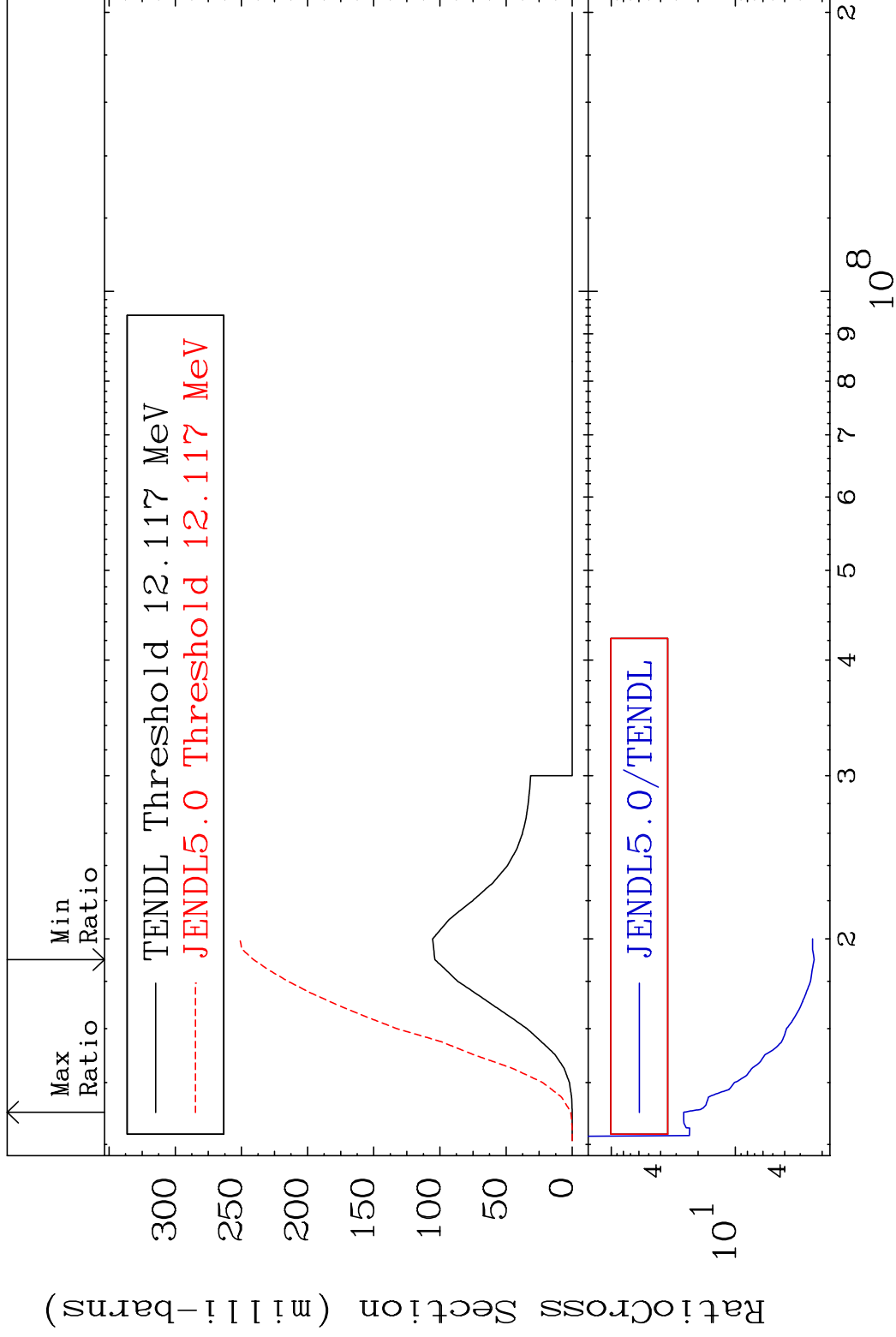
93-Np-238

MAT 9349

(n,3n)

93-Np-238

Cross Section 131.9 To 2511. %



5

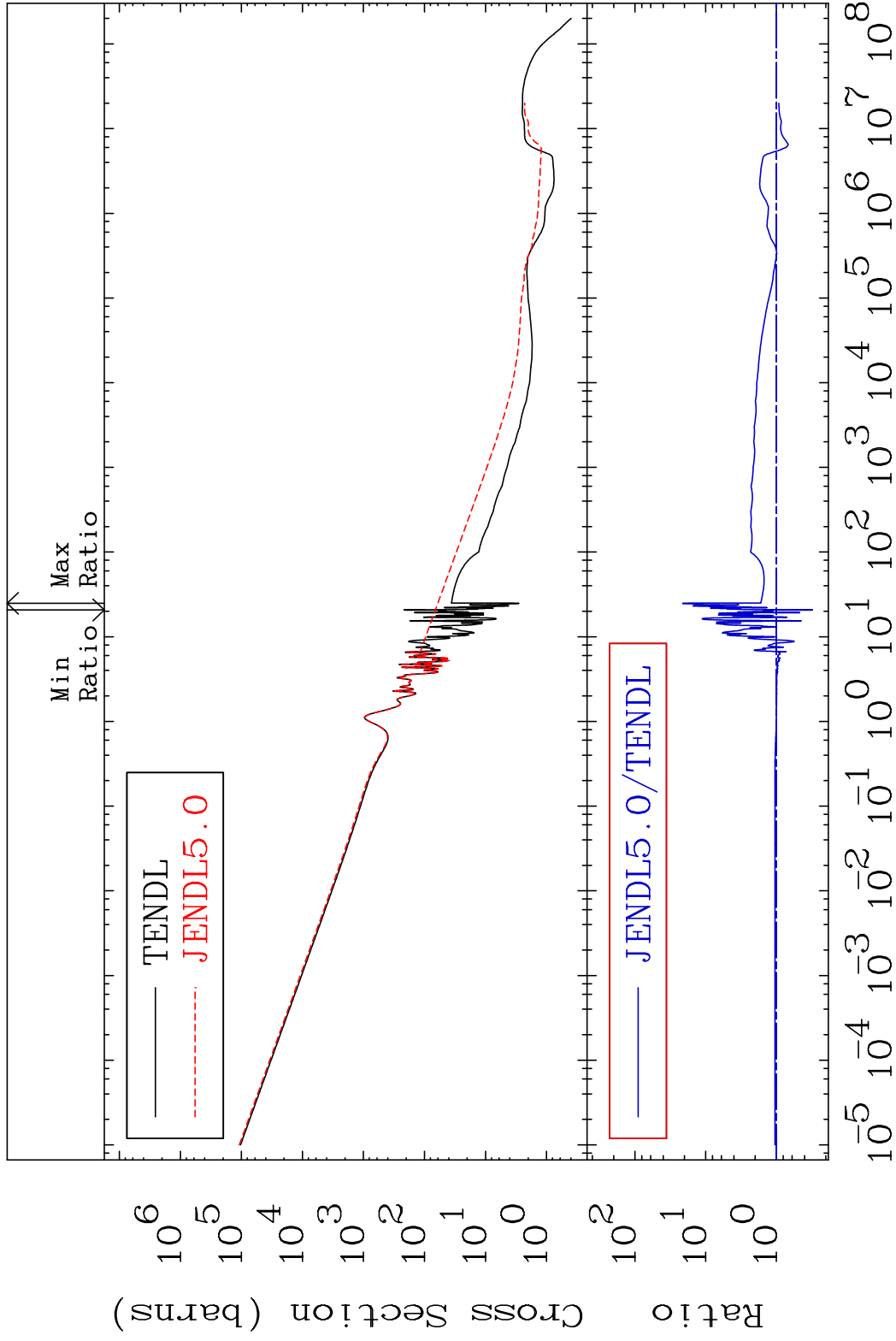
Incident Energy (eV)

93-Np-238

MAT 9349

Fission
Cross Section -69.15 To 2039. %

93-Np-238



6

Incident Energy (eV)

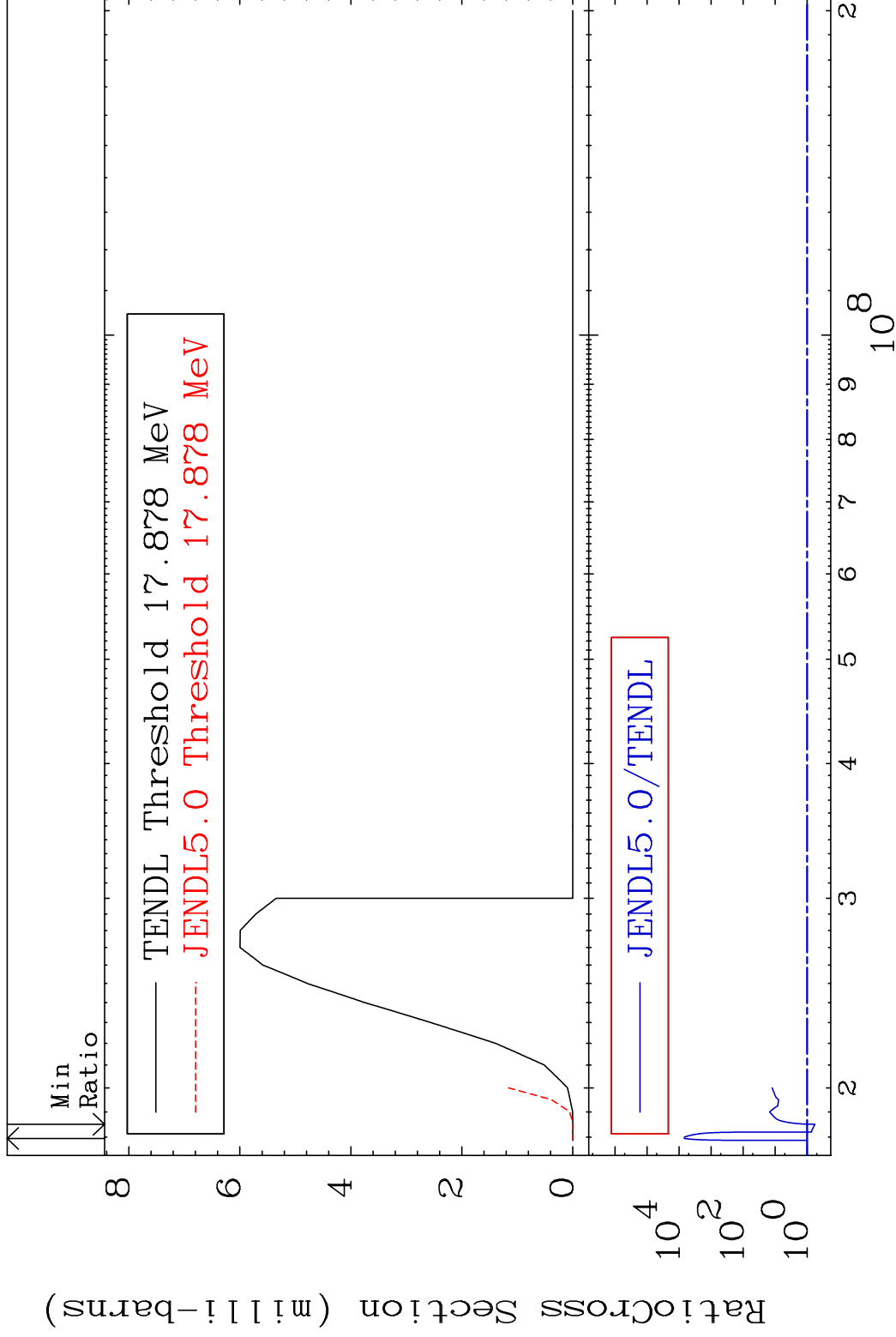
93-Np-238

MAT 9349

(n, 4n)

93-Np-238

Cross Section -43.11 To 9999. %

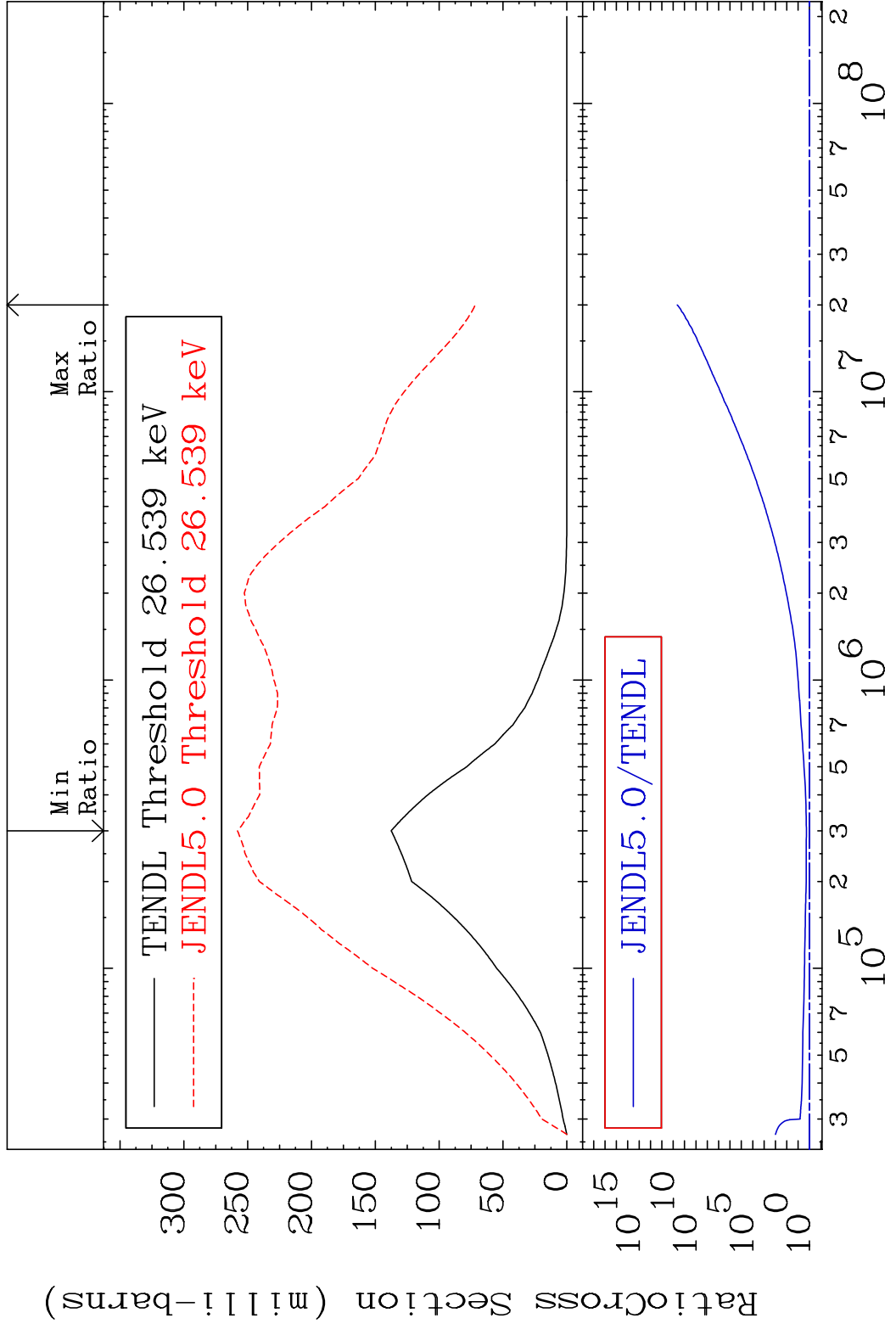


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Incident Energy (eV)

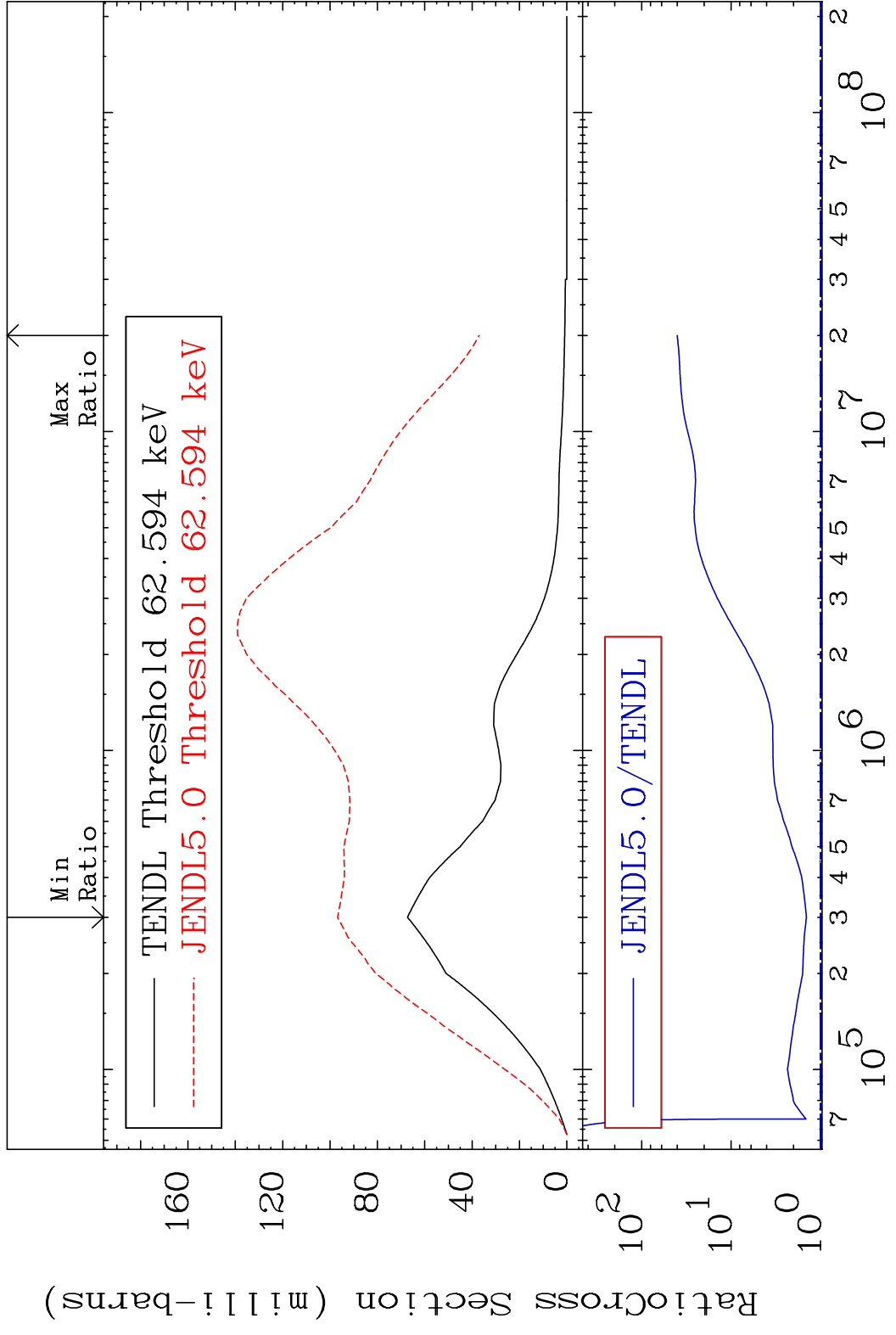
93-Np-238

MAT 9349 MT= 51 (n, n') Level 93-Np-238
 Cross Section 87.45 To 9999. %

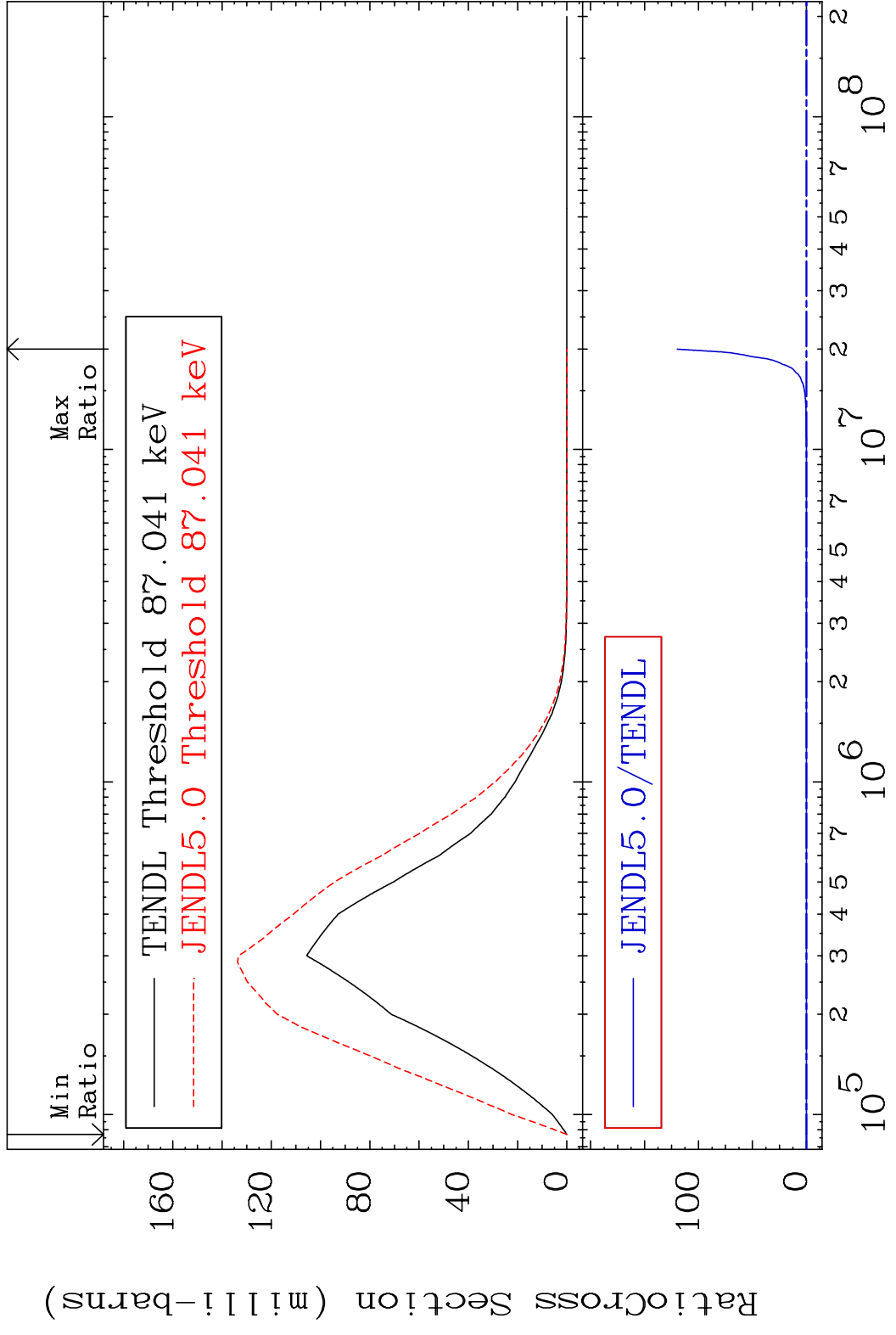


8 Incident Energy (eV) 93-Np-238

MAT 9349 MT= 52 (n, n') Level 93-Np-238
 Cross Section 43.81 To 3914. %

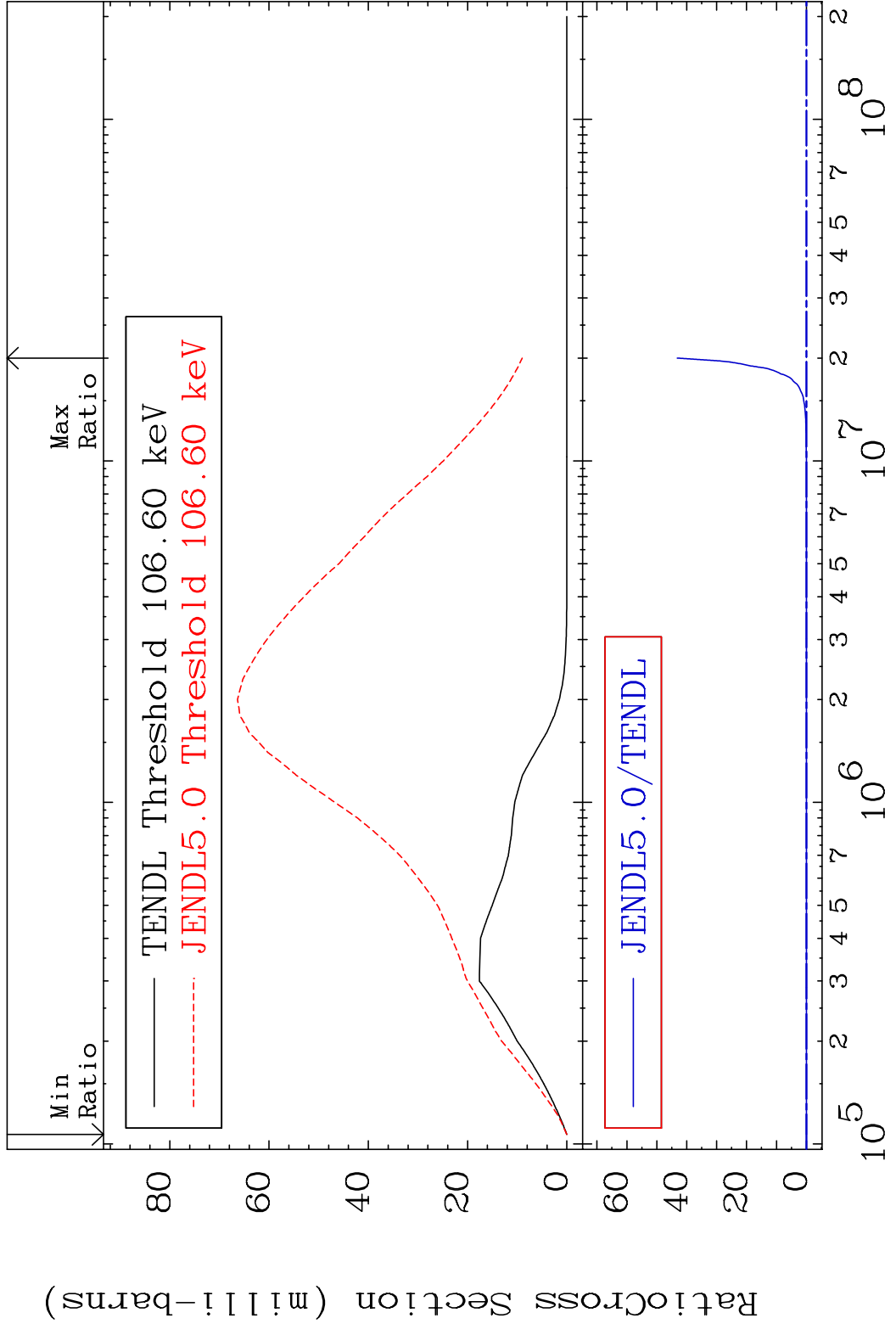


MAT 9349 MT= 53 (n, n') Level 93-Np-238
Cross Section -100.0 To 9999. %

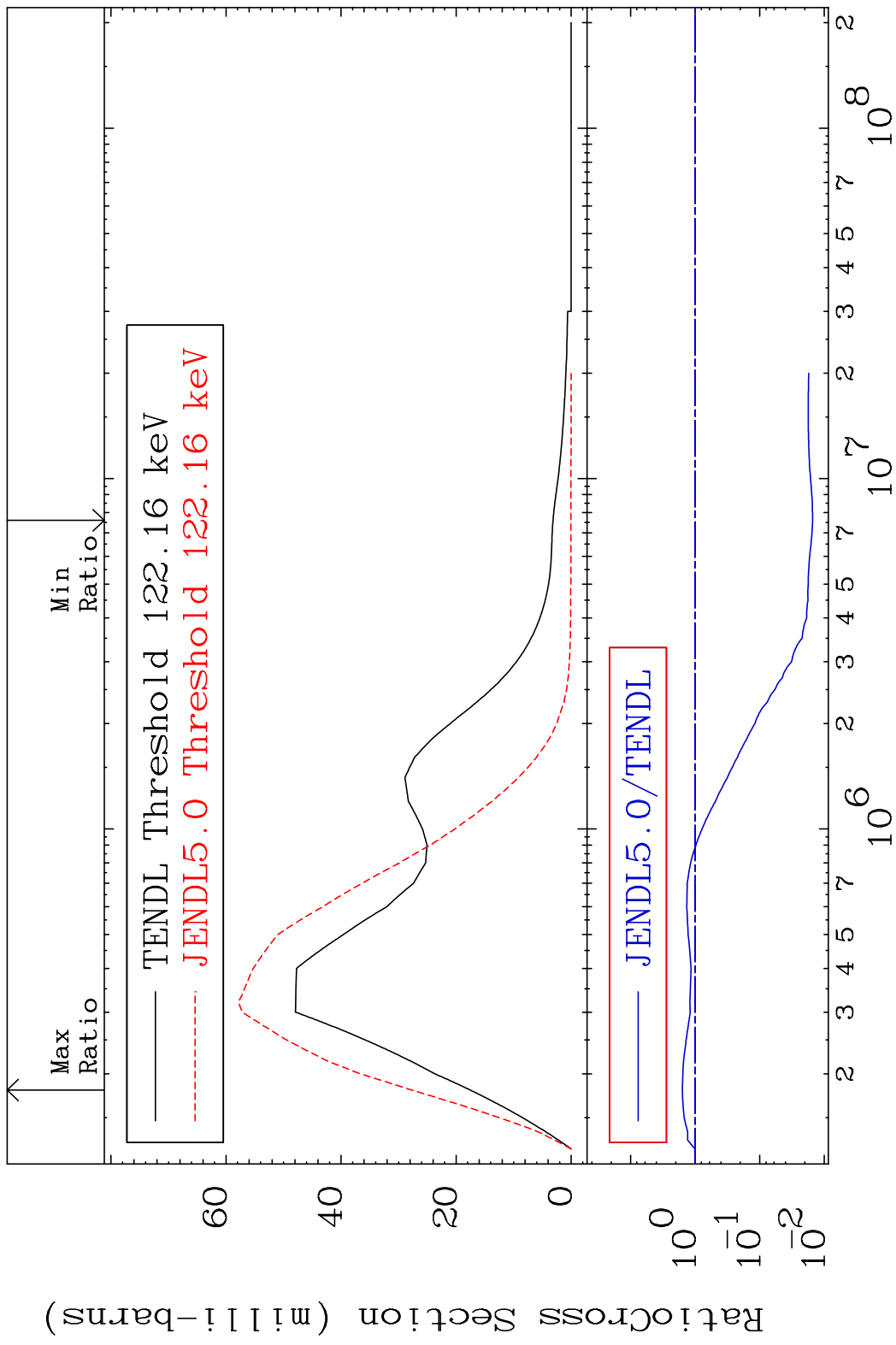


10 100 160 2 3 4 5 6 7 8 10⁵ 10⁶ 10⁷ 10⁸ 93-Np-238

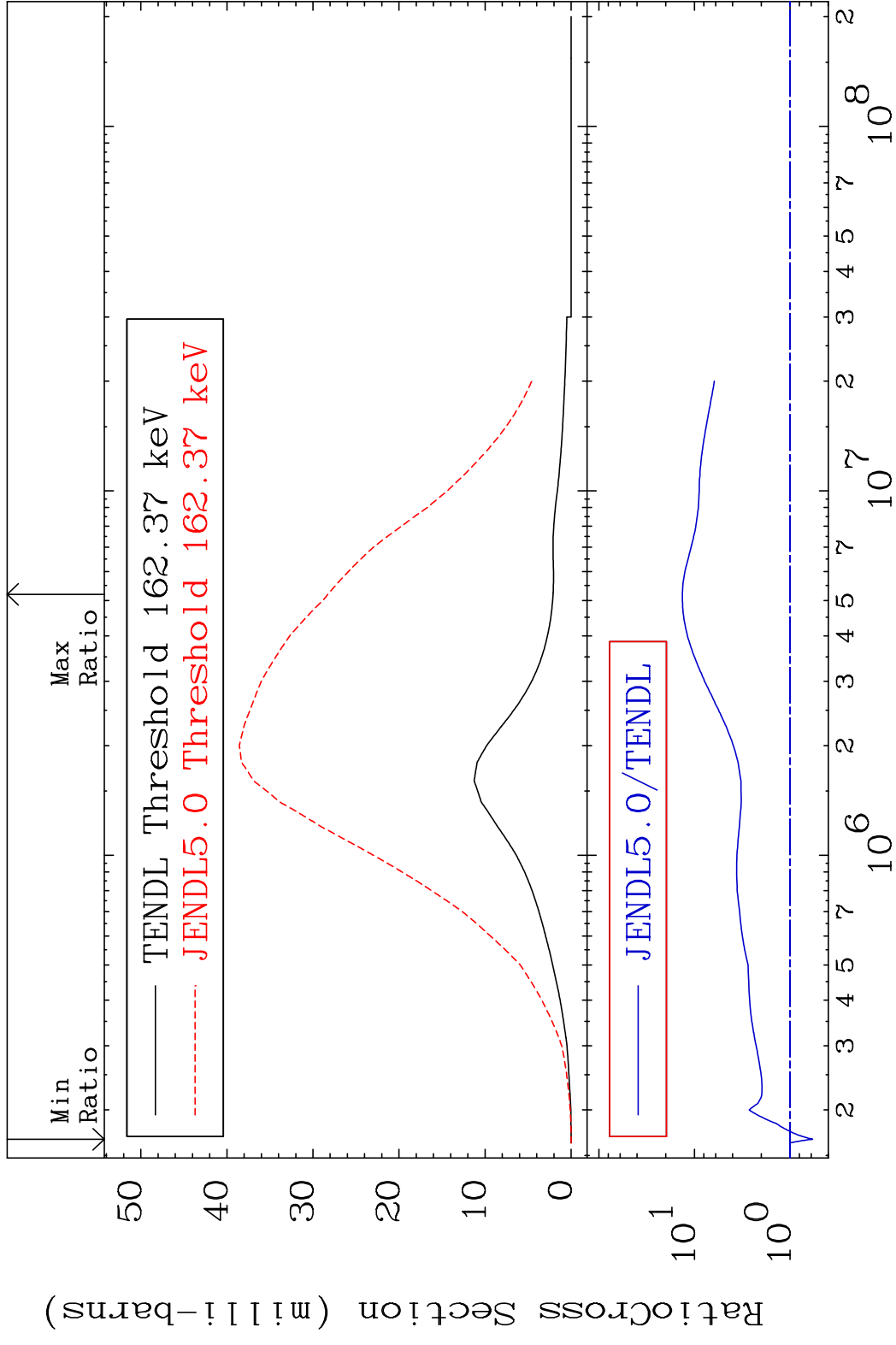
MAT 9349 MT= 54 (n, n') Level 93-Np-238
 Cross Section -100.0 To 9999. %



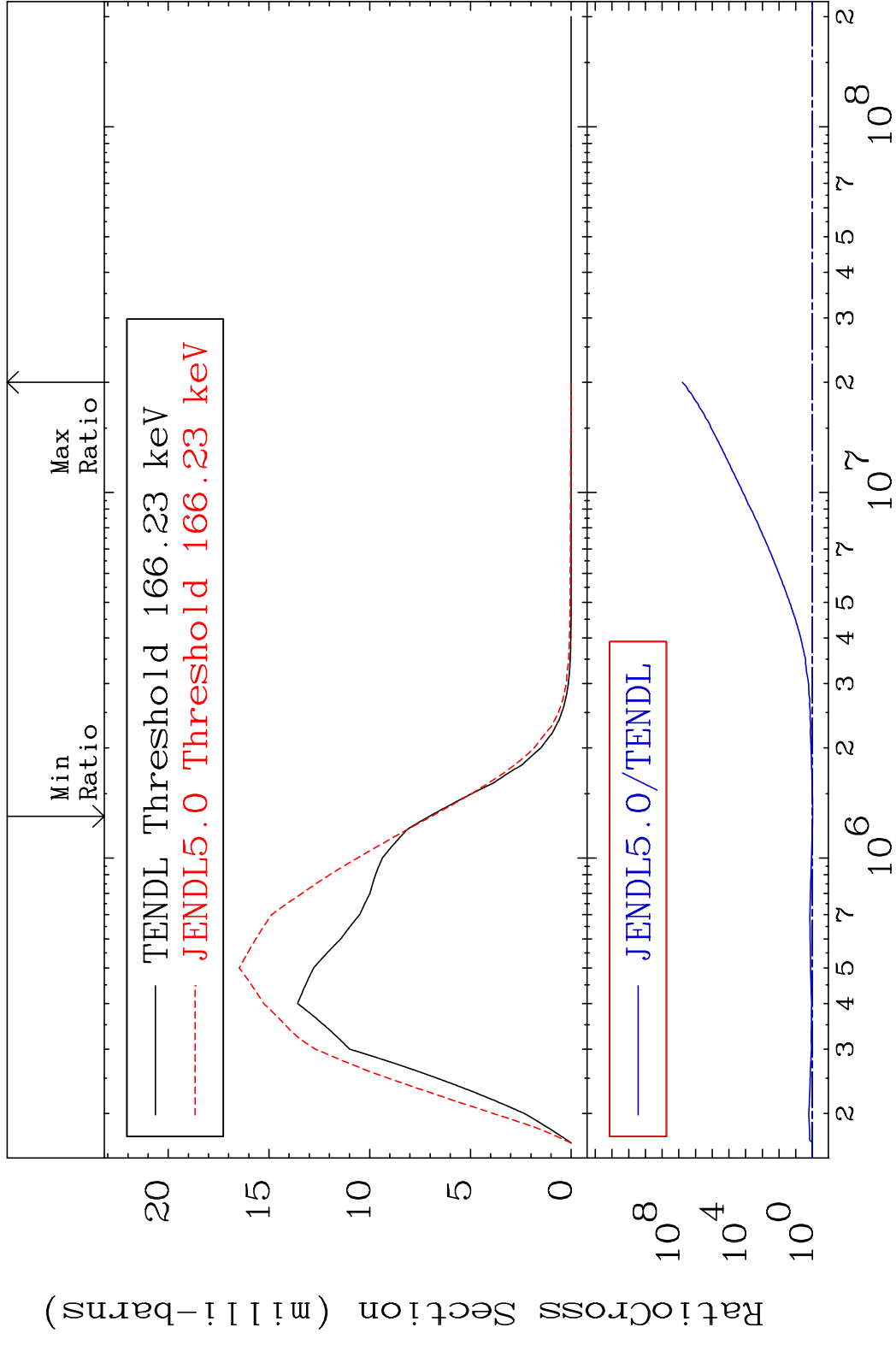
MAT 9349 MT= 55 (n, n') Level 93-Np-238
 Cross Section -98.48 To 57.96 %



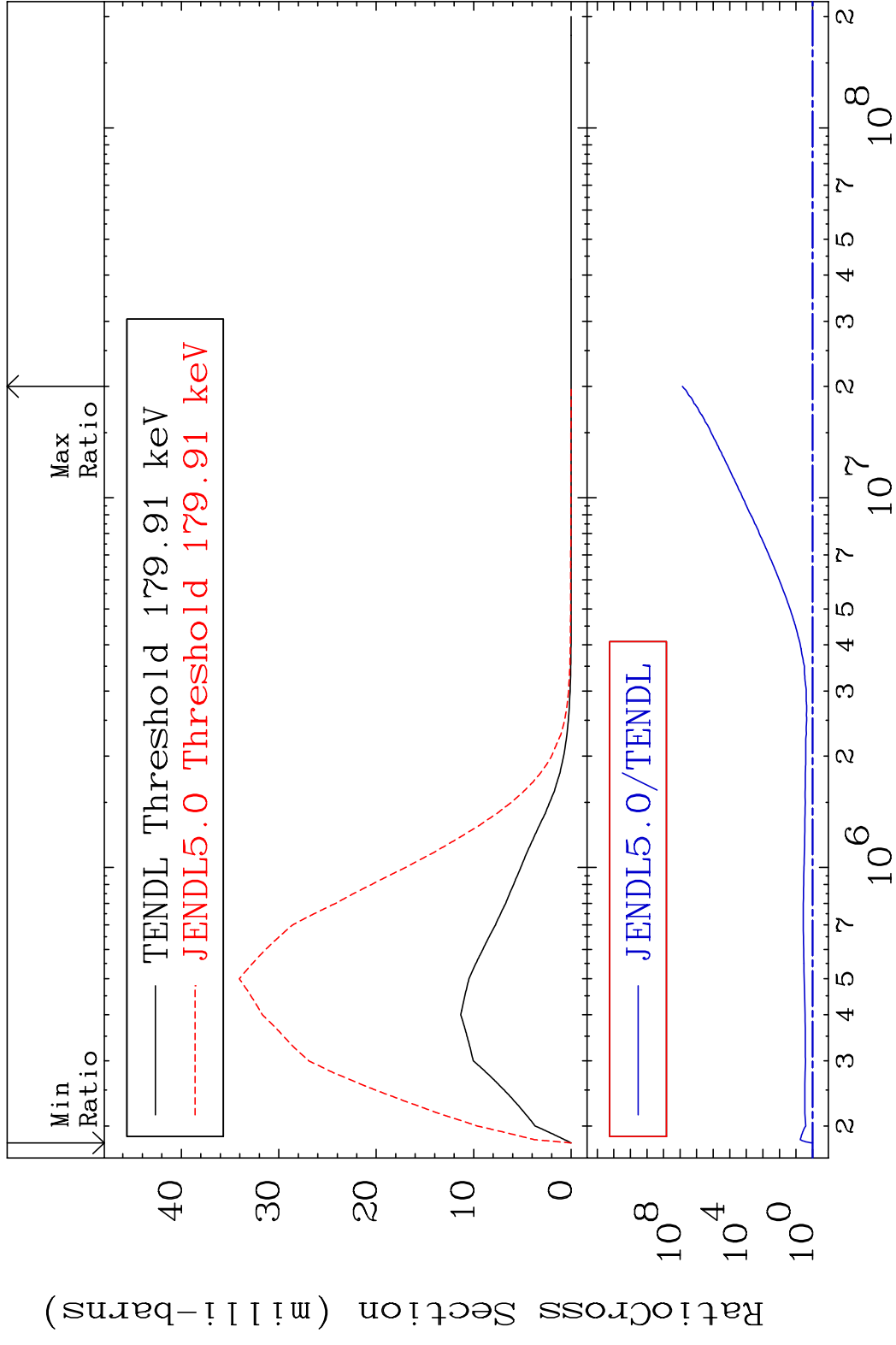
MAT 9349 MT= 57 (n, n') Level 93-Np-238
 Cross Section -41.84 To 1242. %



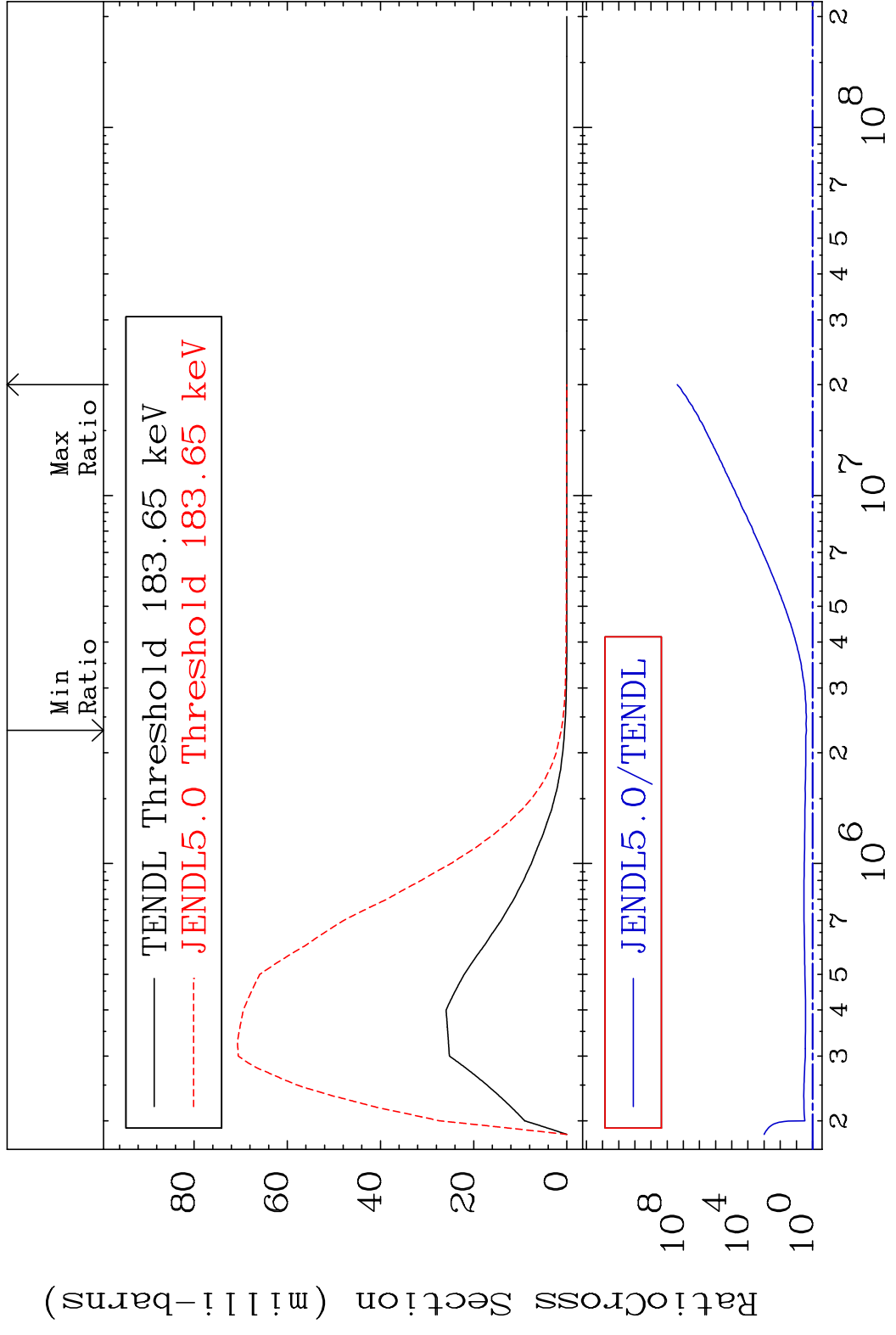
MAT 9349 MT= 58 (n, n') Level 93-Np-238
 Cross Section -1.581 To 9999. %



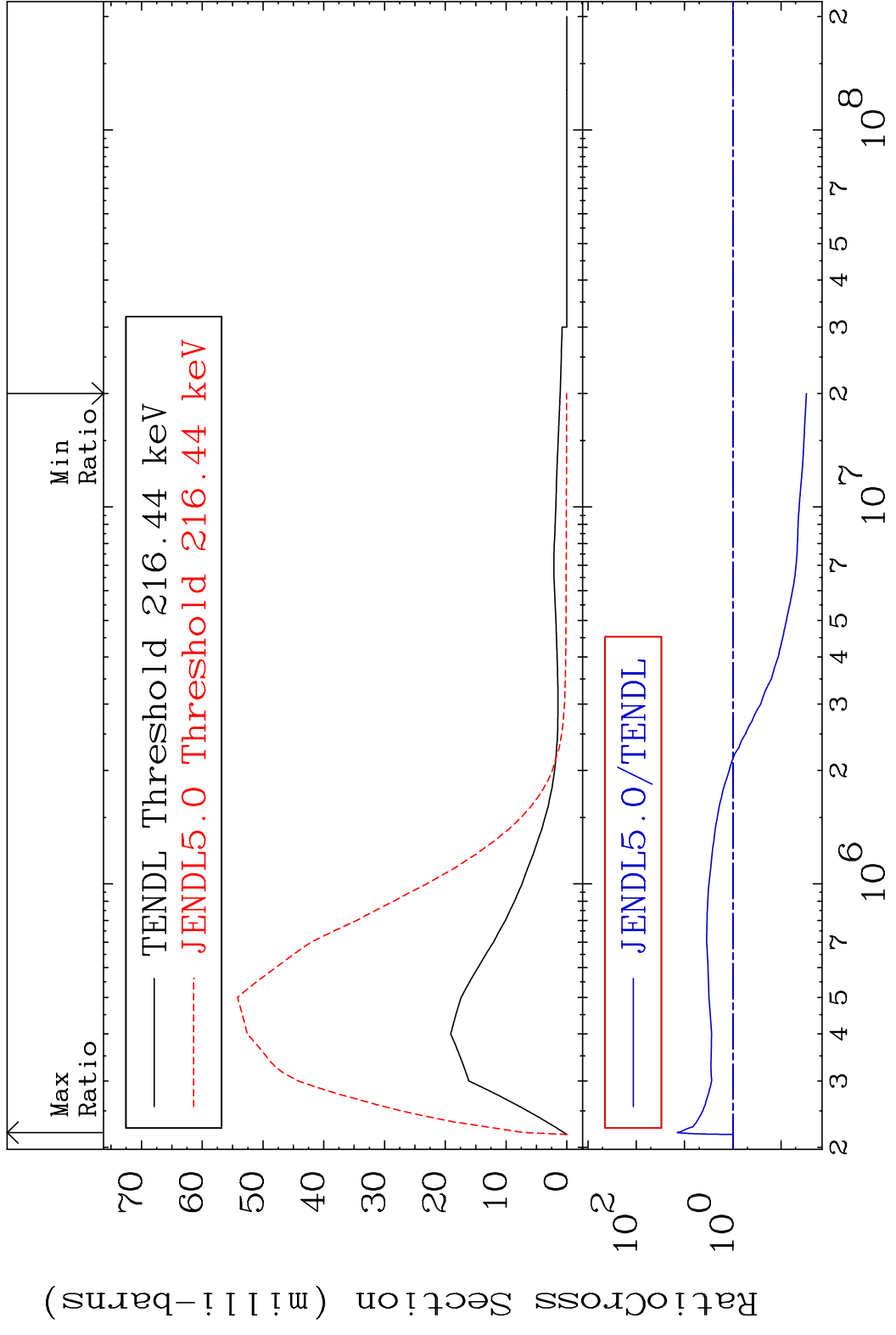
MAT 9349 MT= 59 (n, n') Level 93-Np-238
 Cross Section 0.000 To 9999. %



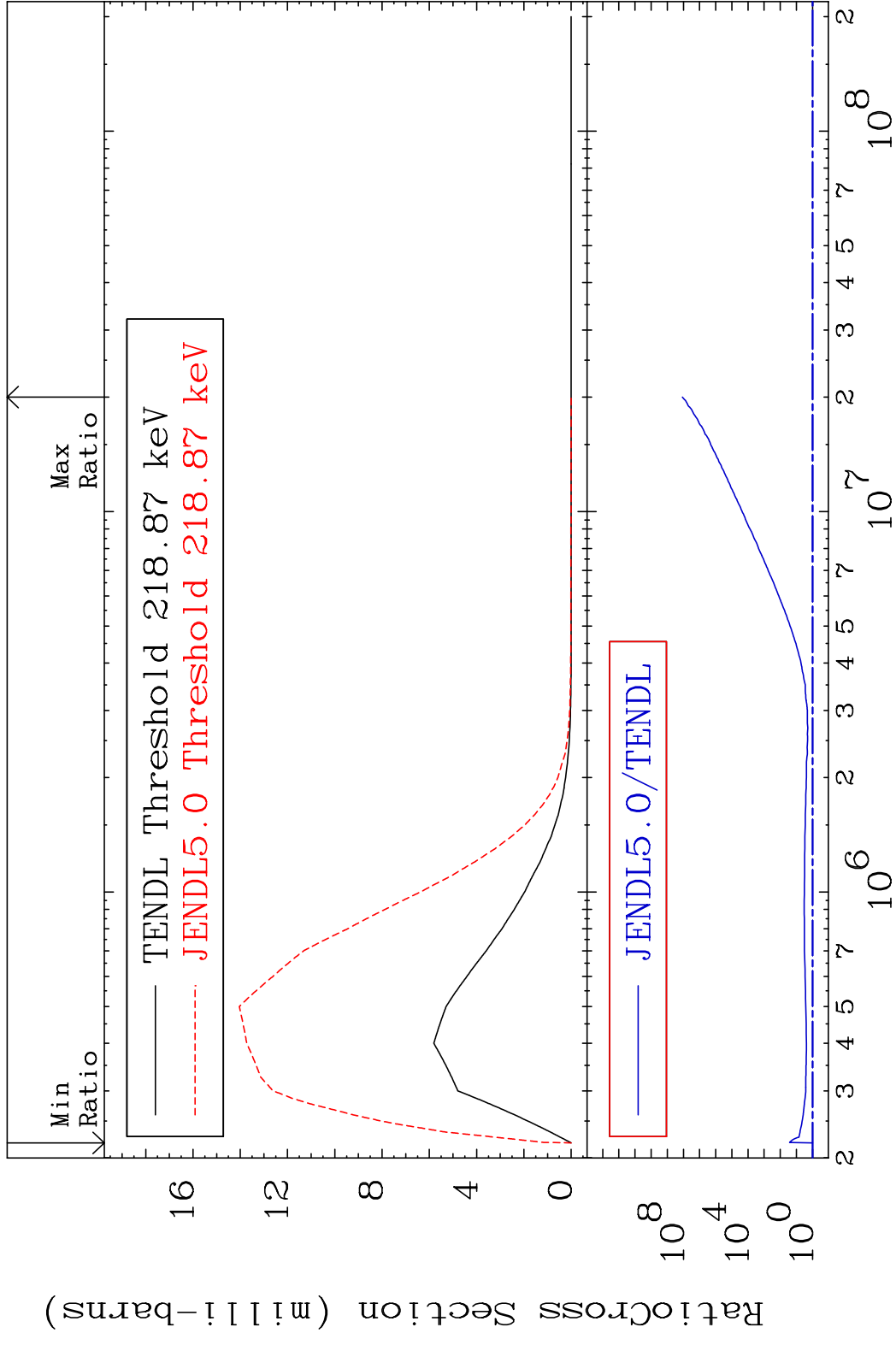
MAT 9349 MT= 60 (n, n') Level 93-Np-238
 Cross Section 140.4 To 9999. %



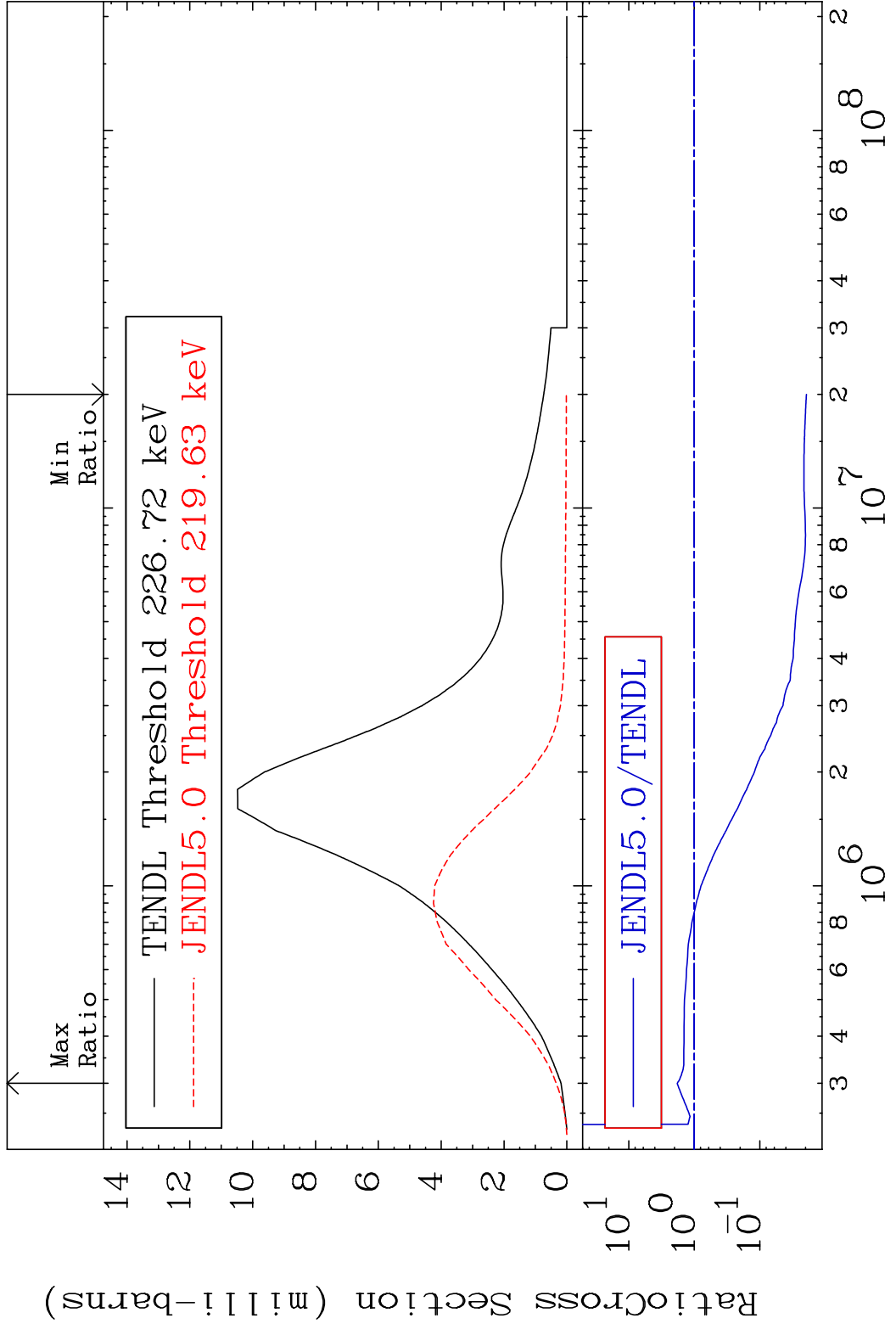
MAT 9349 MT= 61 (n, n') Level 93-Np-238
 Cross Section -97.00 To 1321. %



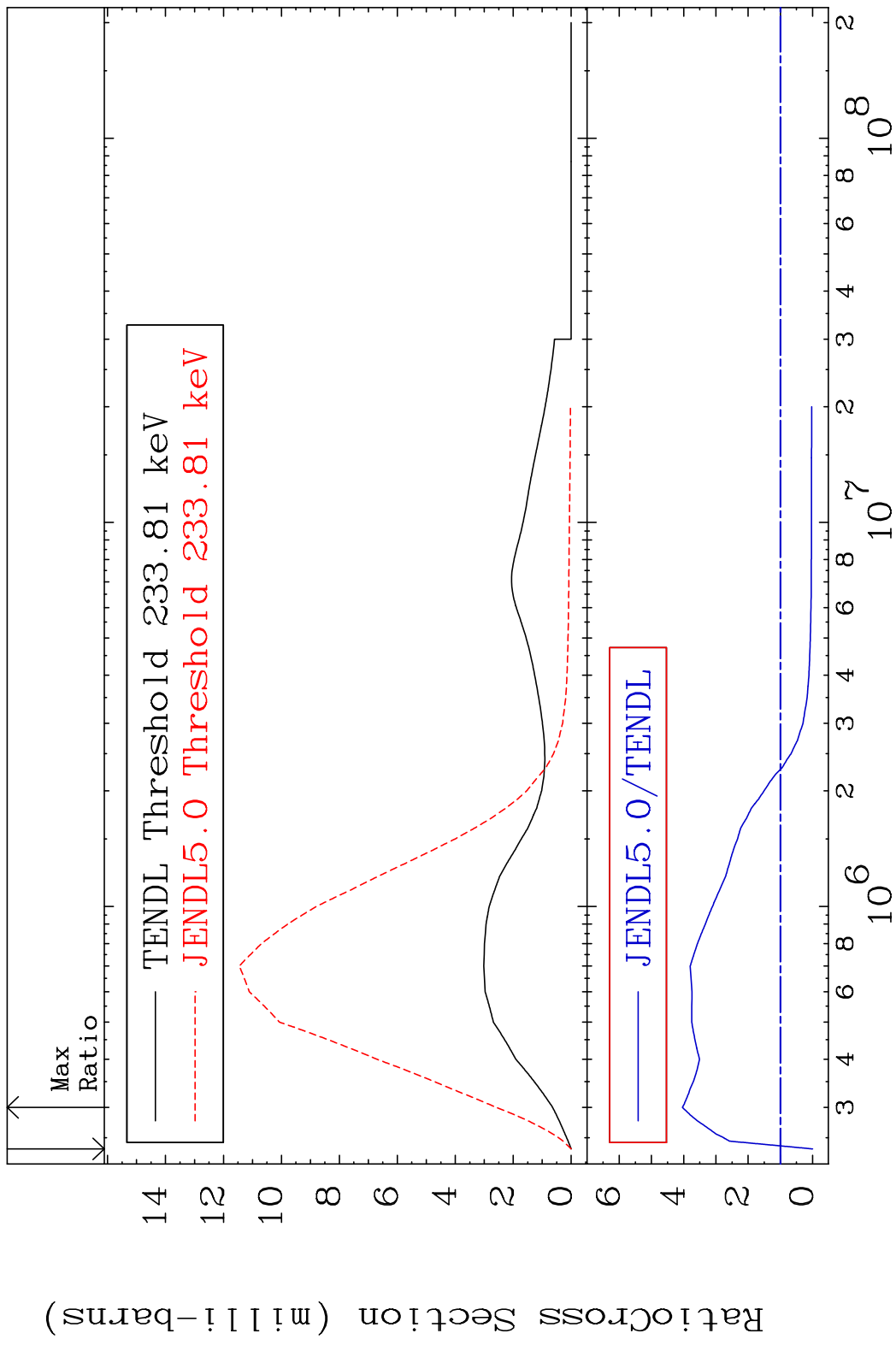
MAT 9349 MT= 62 (n, n') Level 93-Np-238
 Cross Section 0.000 To 9999. %



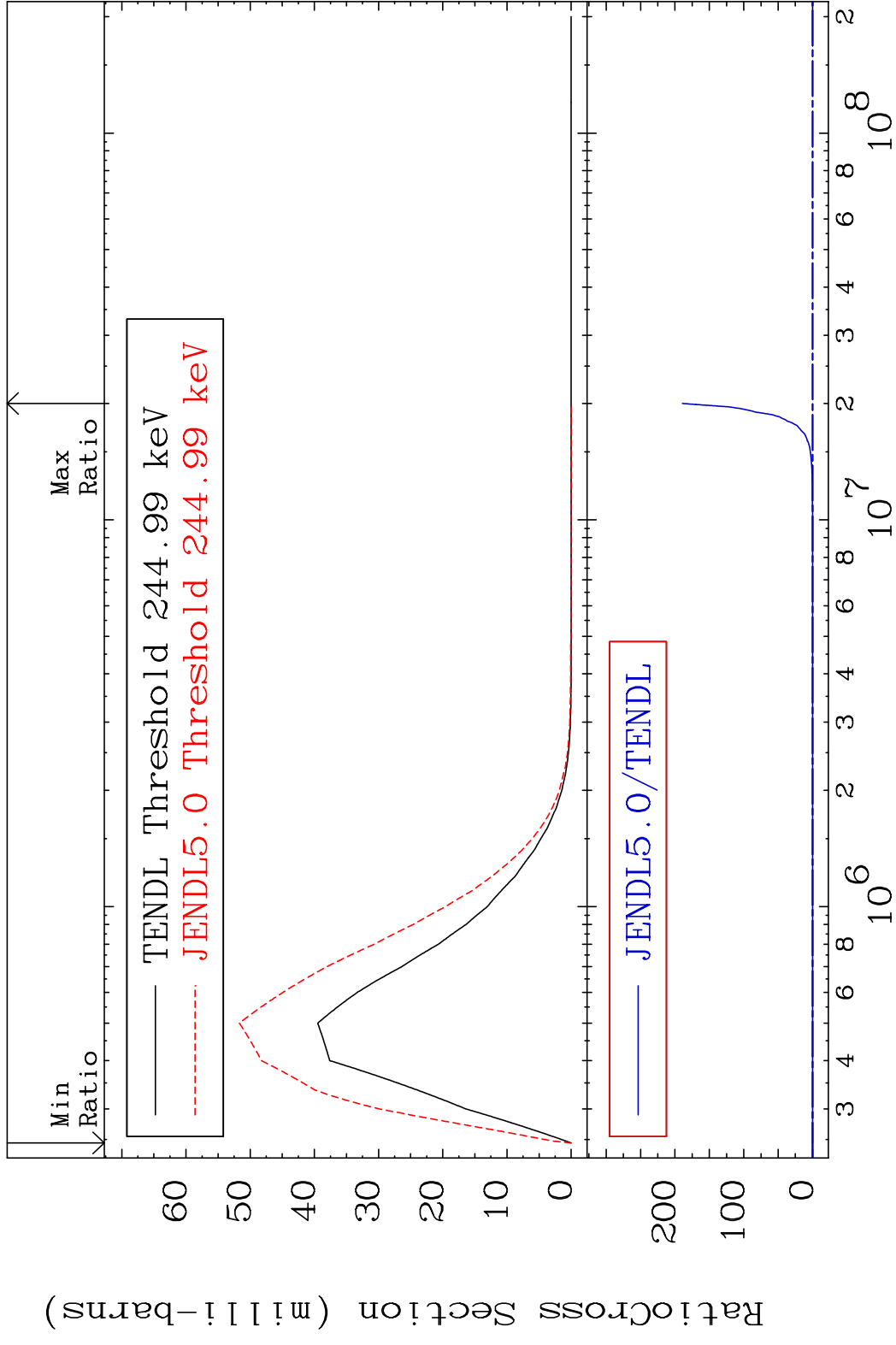
MAT 9349 MT= 63 (n, n') Level 93-Np-238
 Cross Section -98.06 To 82.05 %



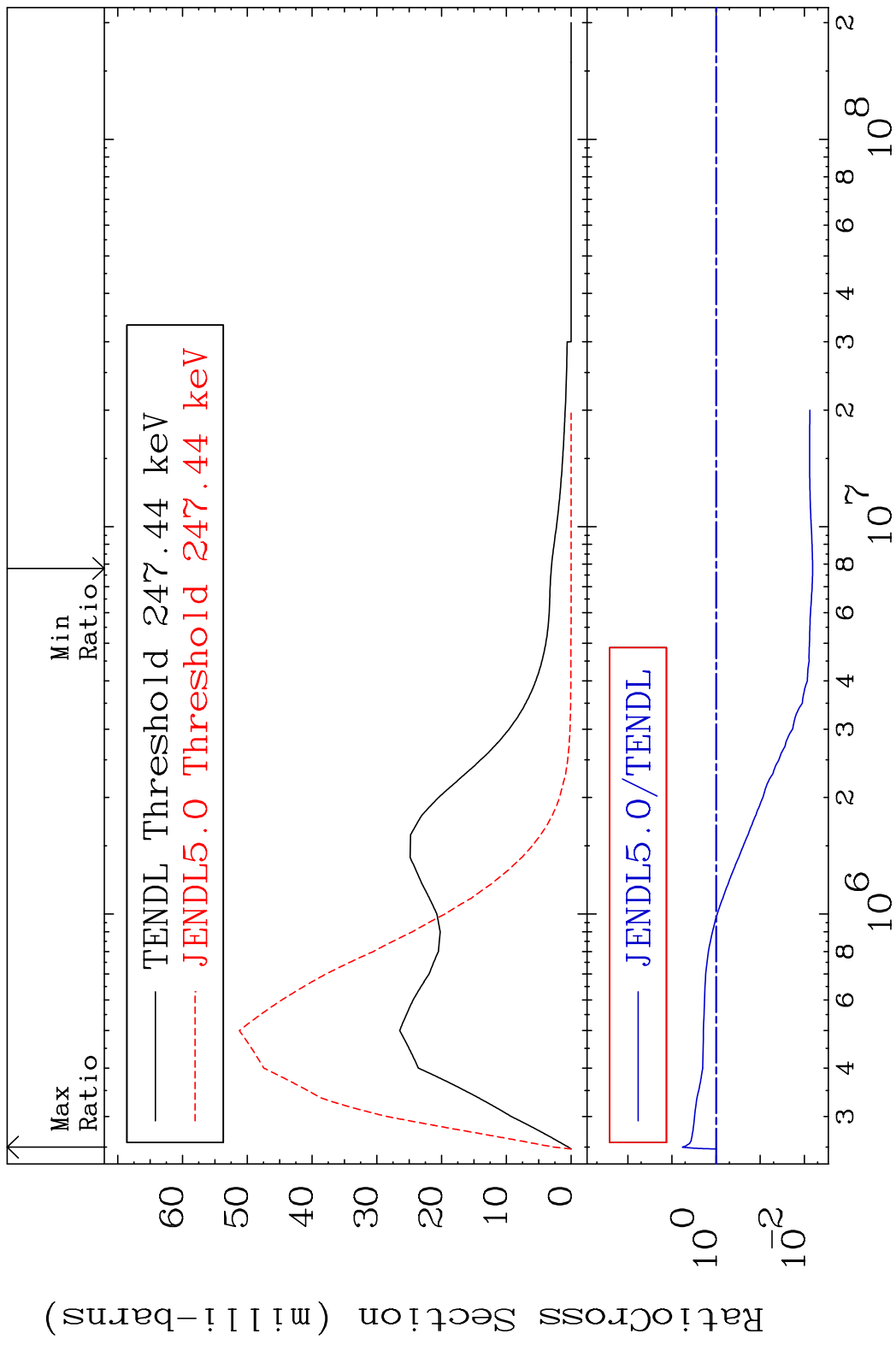
MAT 9349 MT= 64 (n, n') Level 93-Np-238
 Cross Section -100.0 To 304.1 %



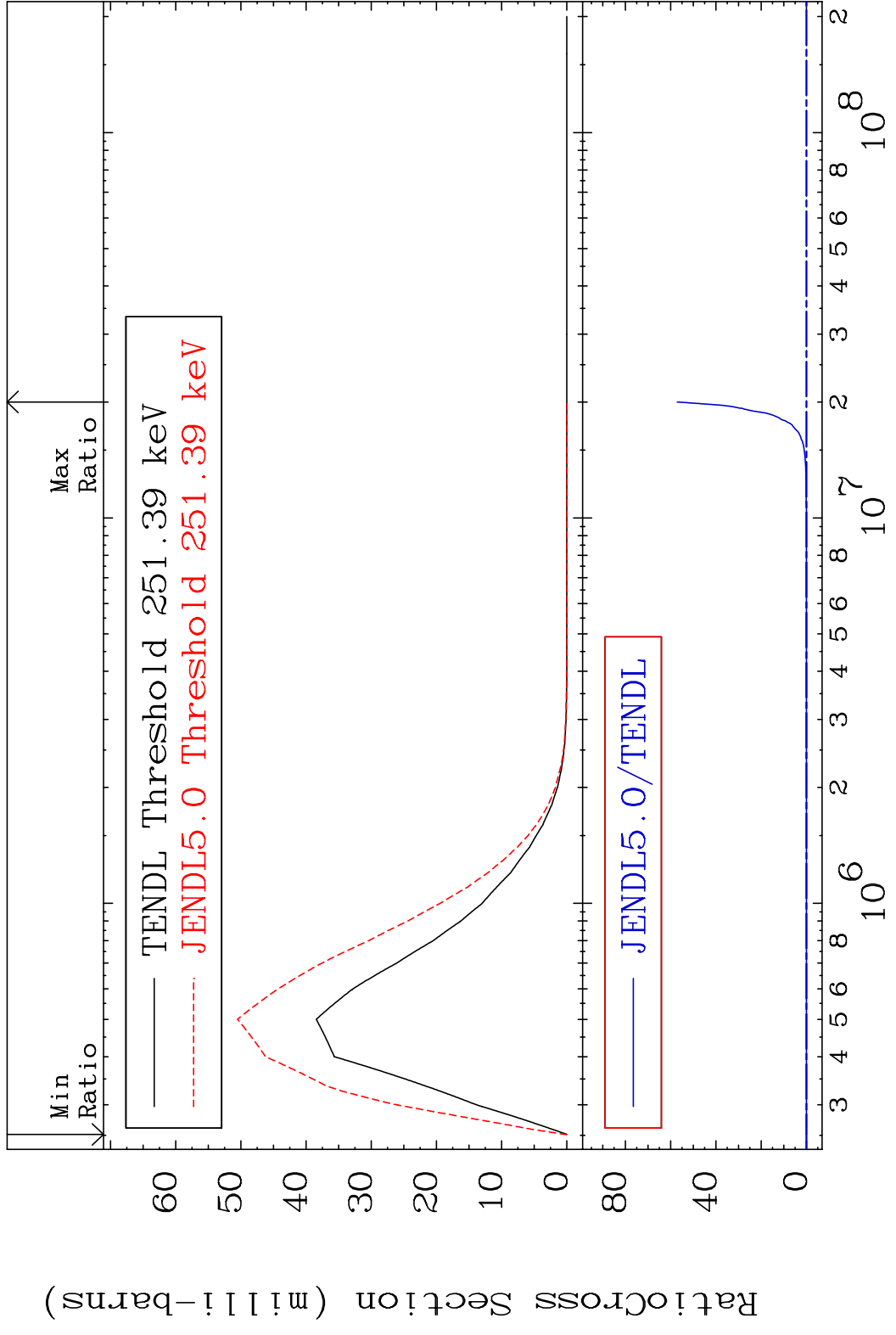
MAT 9349 MT= 65 (n, n') Level 93-Np-238
 Cross Section -100.0 To 9999. %



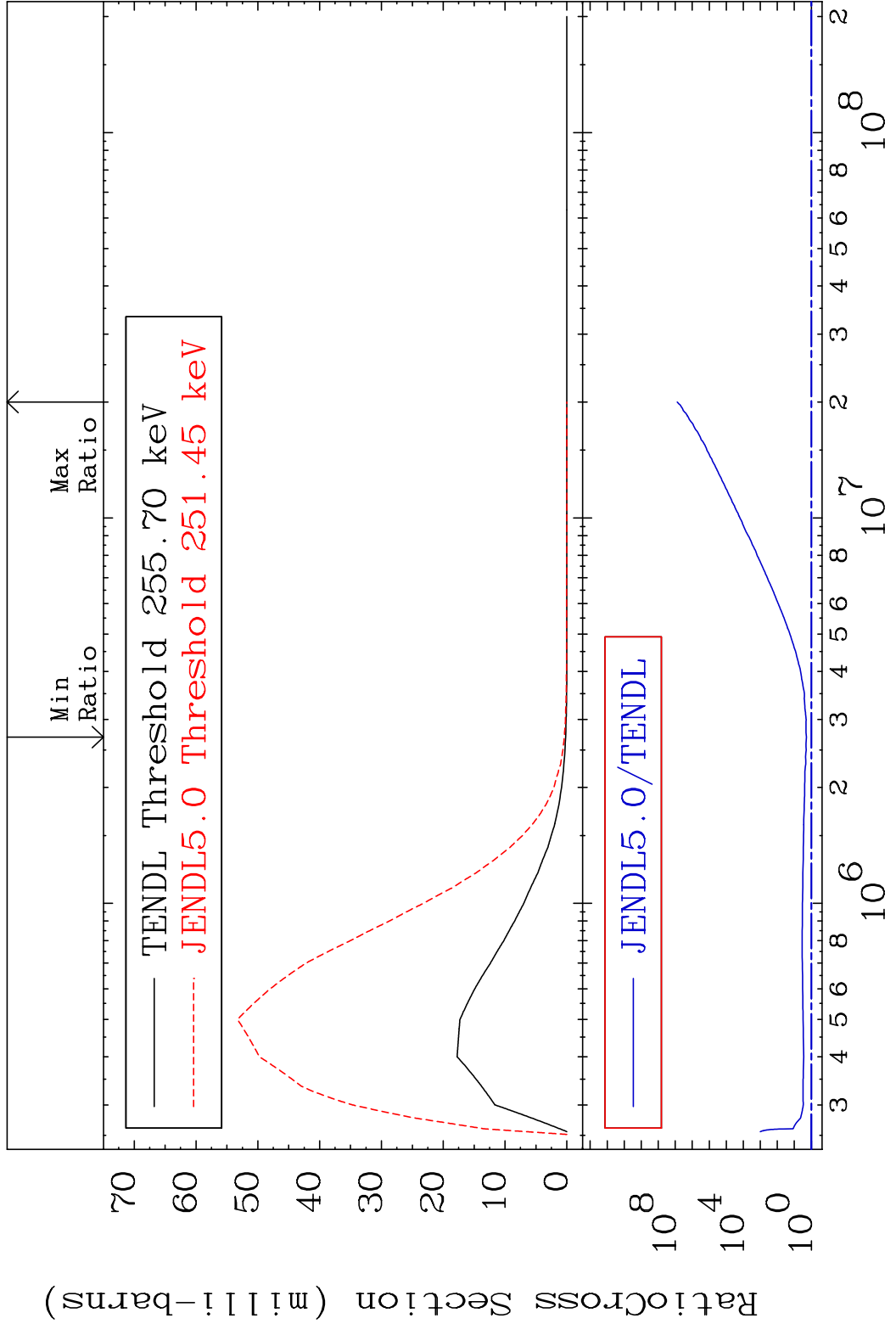
MAT 9349 MT= 66 (n, n') Level 93-Np-238
 Cross Section -99.35 To 481.0 %



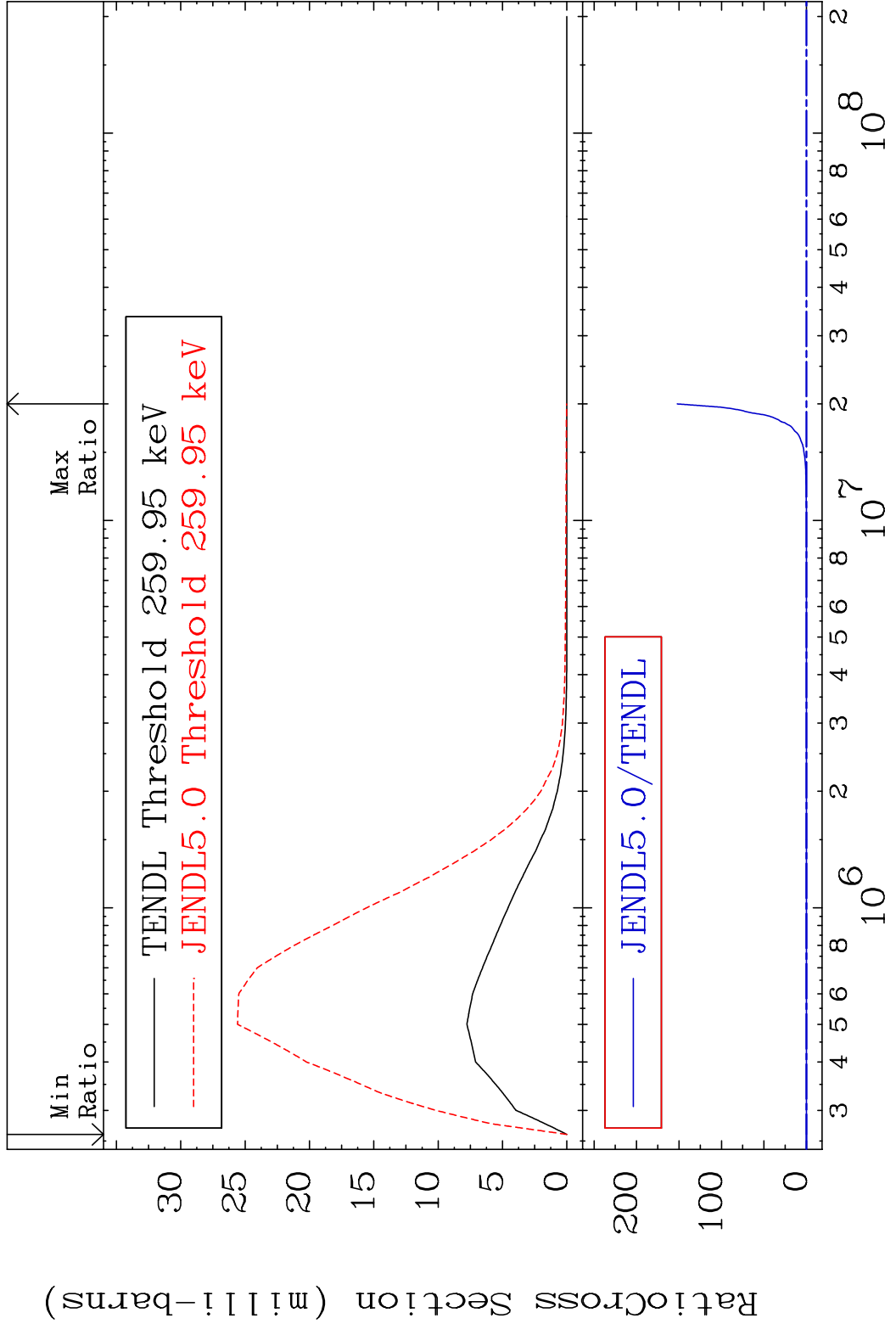
MAT 9349 MT= 67 (n, n') Level 93-Np-238
 Cross Section -100.0 To 9999. %



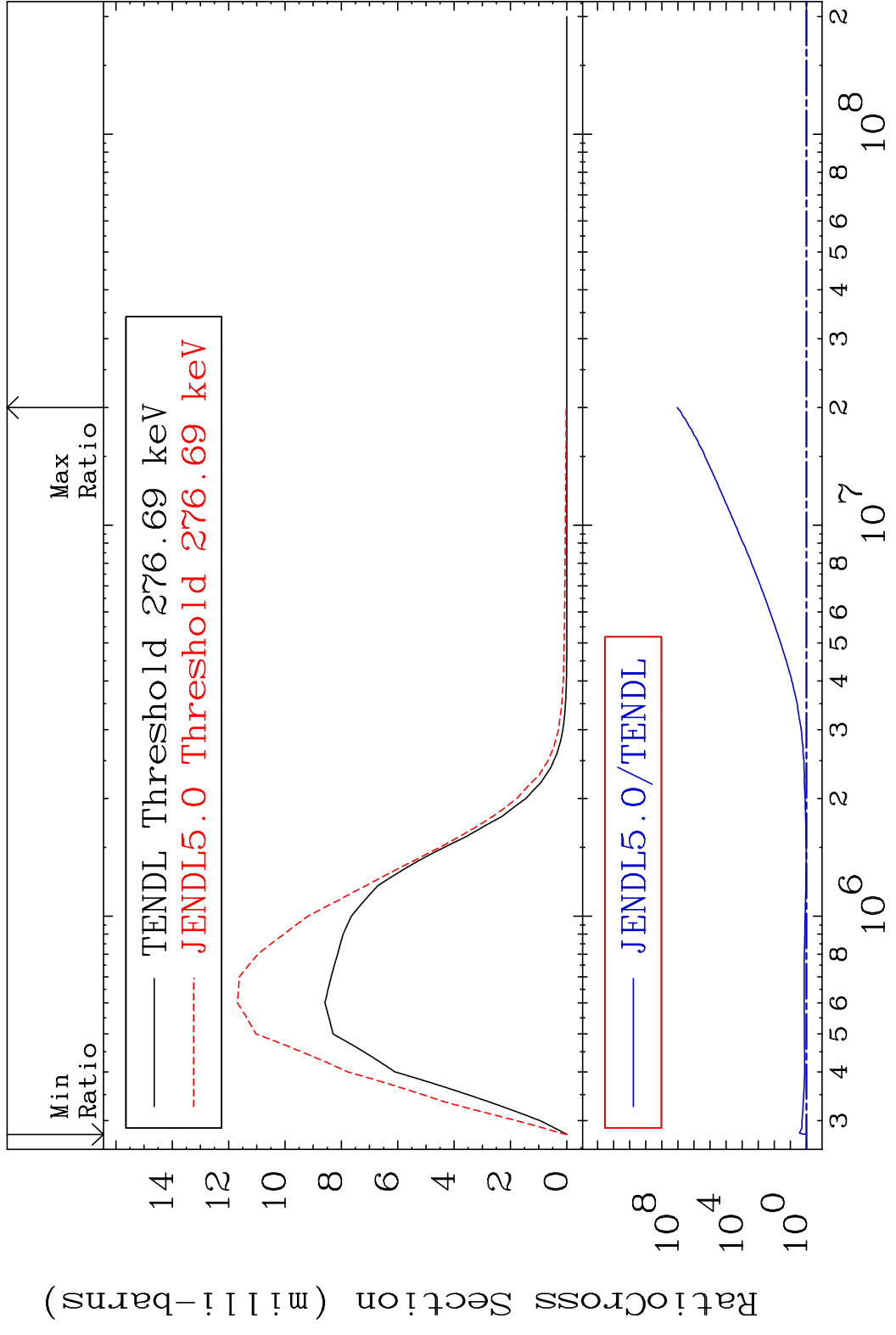
MAT 9349 MT= 68 (n, n') Level 93-Np-238
 Cross Section 95.12 To 9999. %



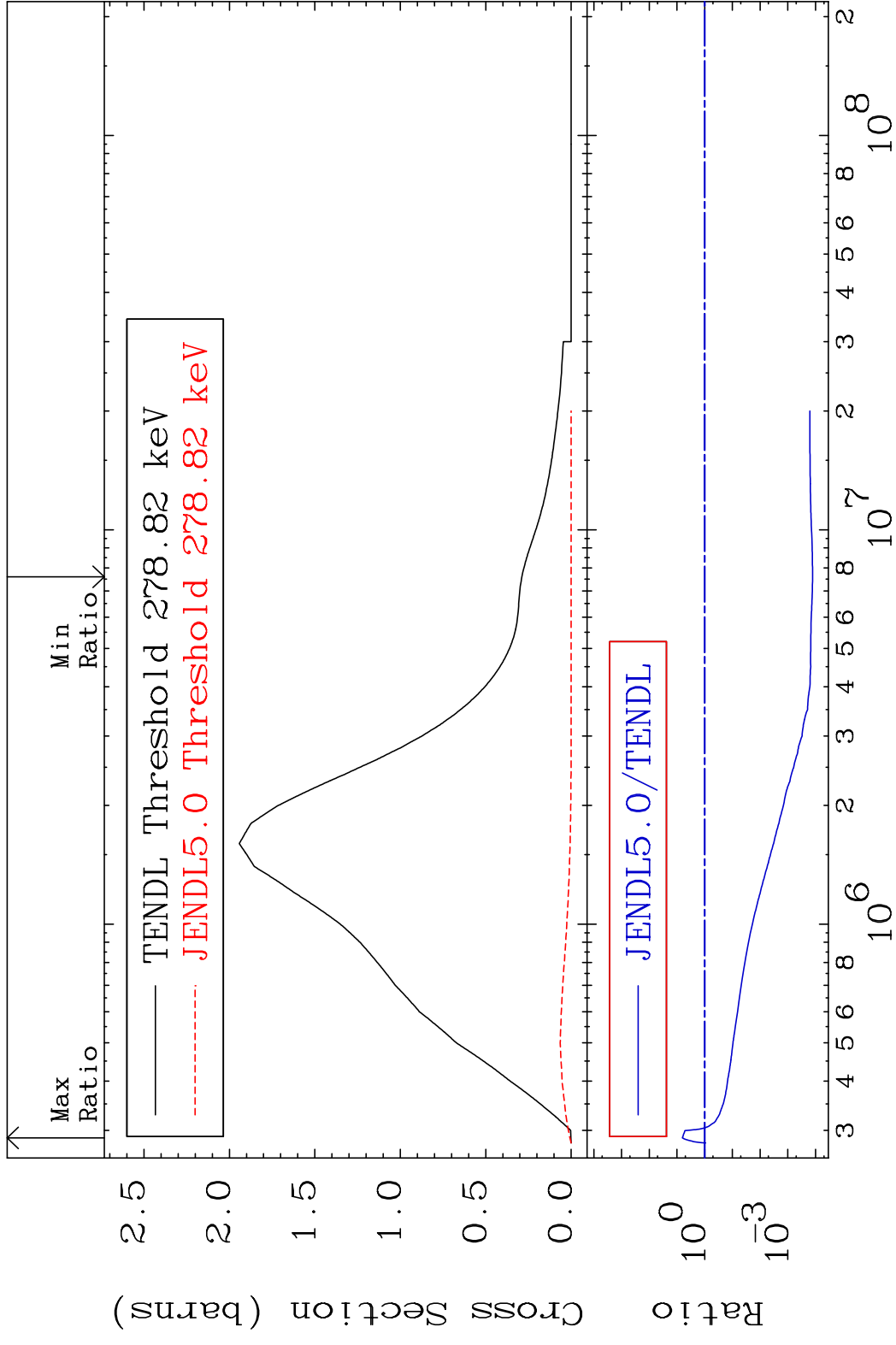
MAT 9349 MT= 69 (n, n') Level 93-Np-238
 Cross Section -100.0 To 9999. %



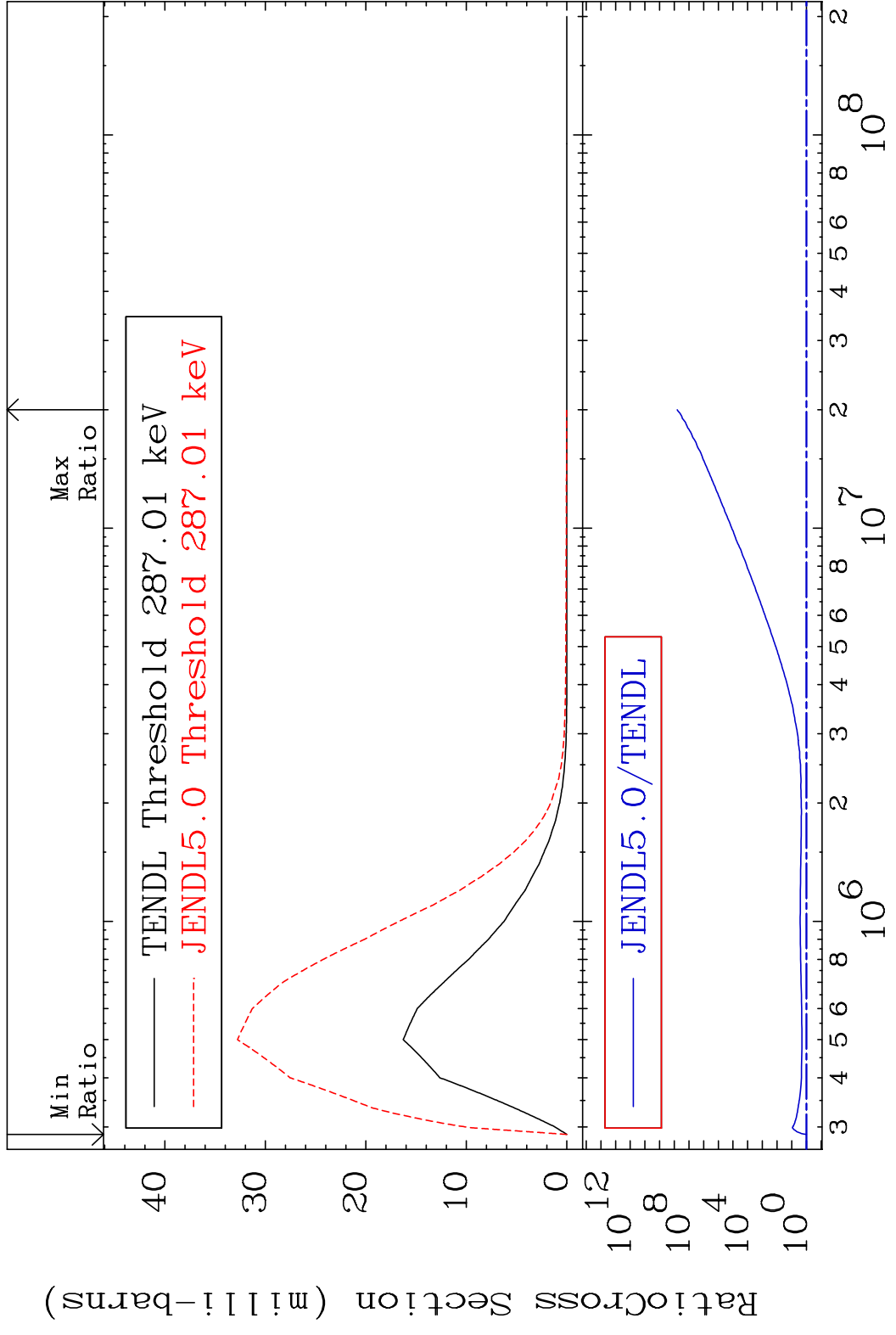
MAT 9349 MT= 70 (n, n') Level 93-Np-238
 Cross Section 0.000 To 9999. %



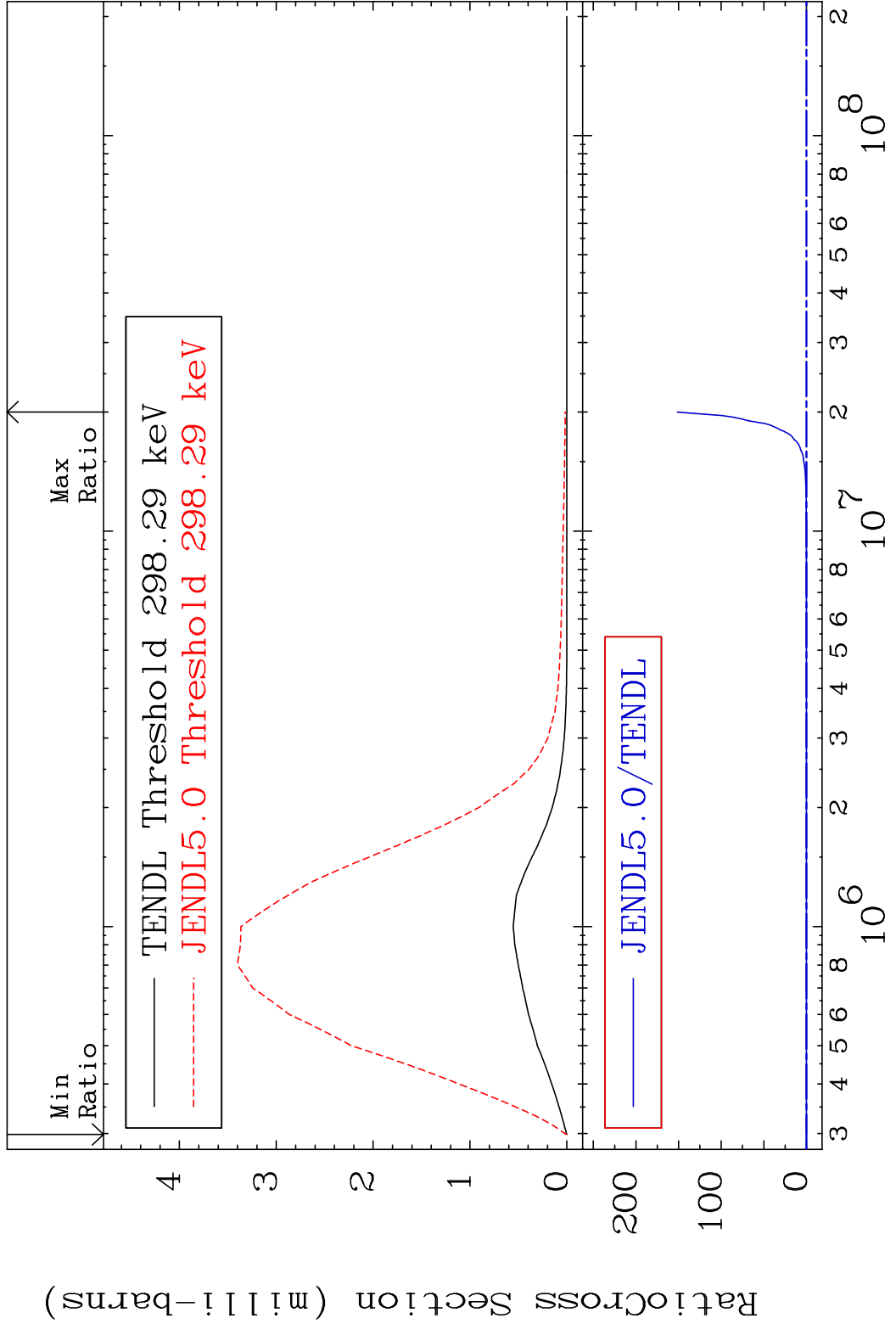
MAT 9349 MT= 71 (n, n') Level 93-Np-238
 Cross Section -99.99 To 540.9 %



MAT 9349 MT= 72 (n, n') Level 93-Np-238
 Cross Section 0.000 To 9999. %

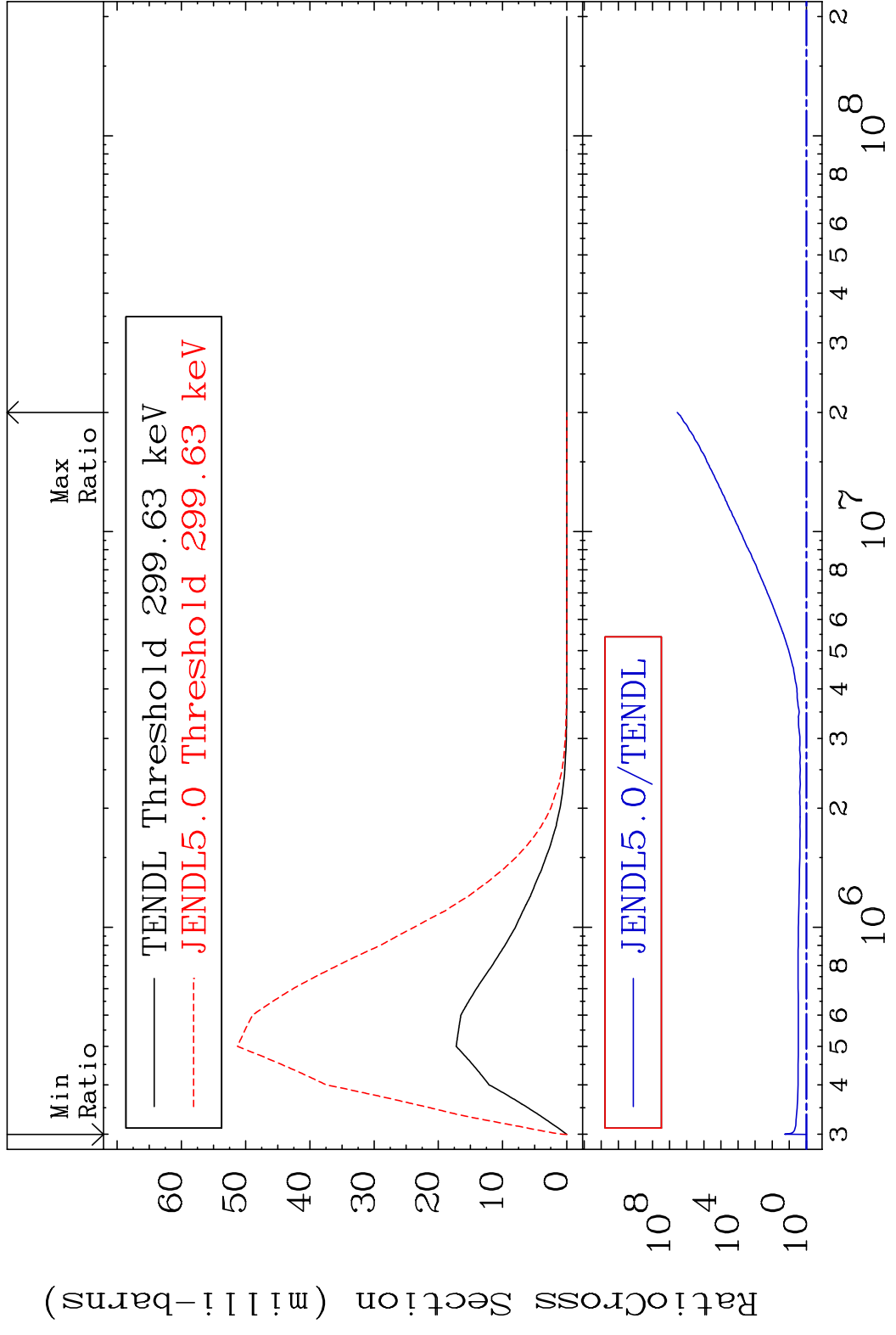


MAT 9349 MT= 73 (n, n') Level 93-Np-238
 Cross Section -100.0 To 9999. %

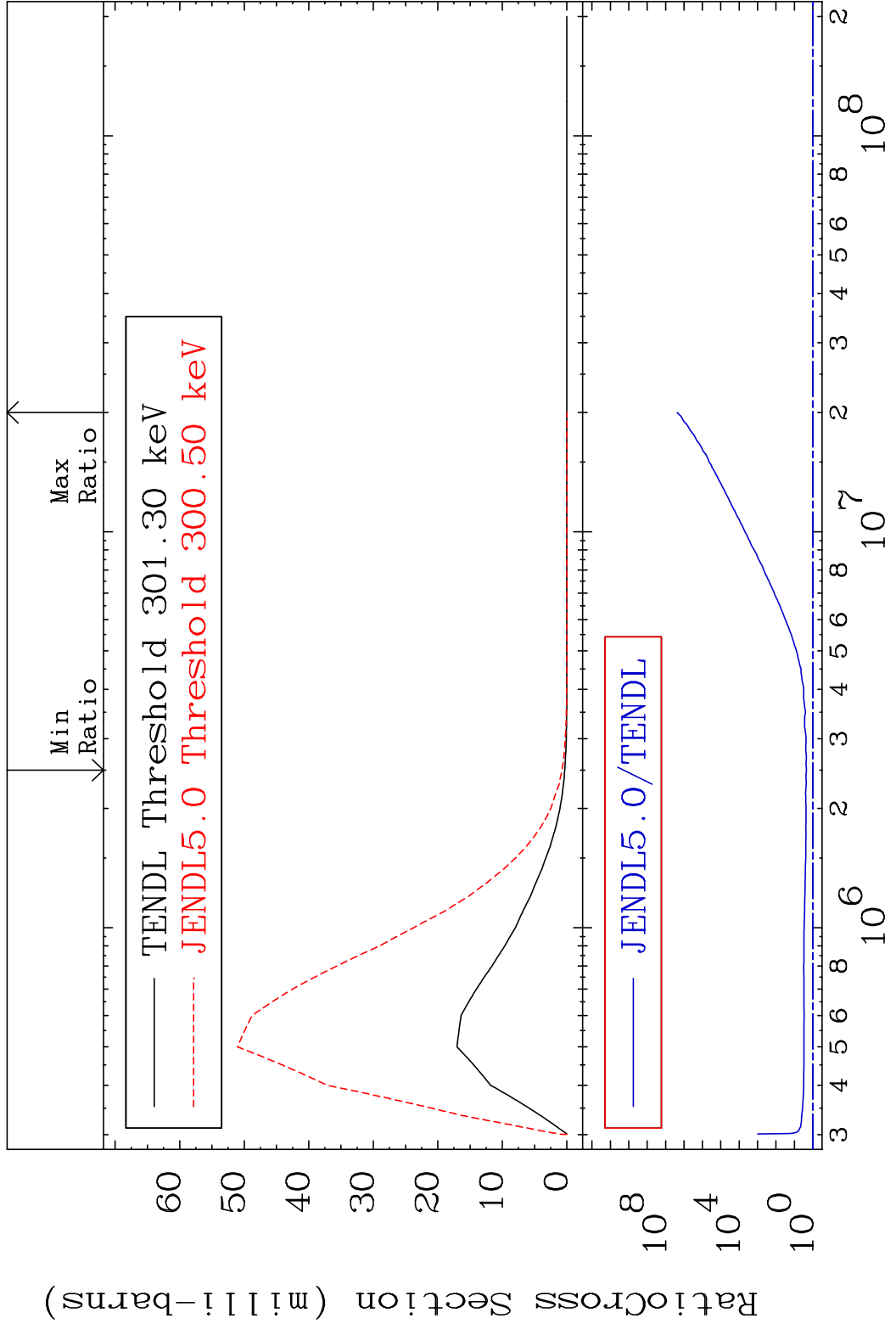


30 Incident Energy (eV) 93-Np-238

MAT 9349 MT= 74 (n, n') Level 93-Np-238
 Cross Section 0.000 To 9999. %



MAT 9349 MT= 75 (n, n') Level 93-Np-238
 Cross Section 122.5 To 9999. %

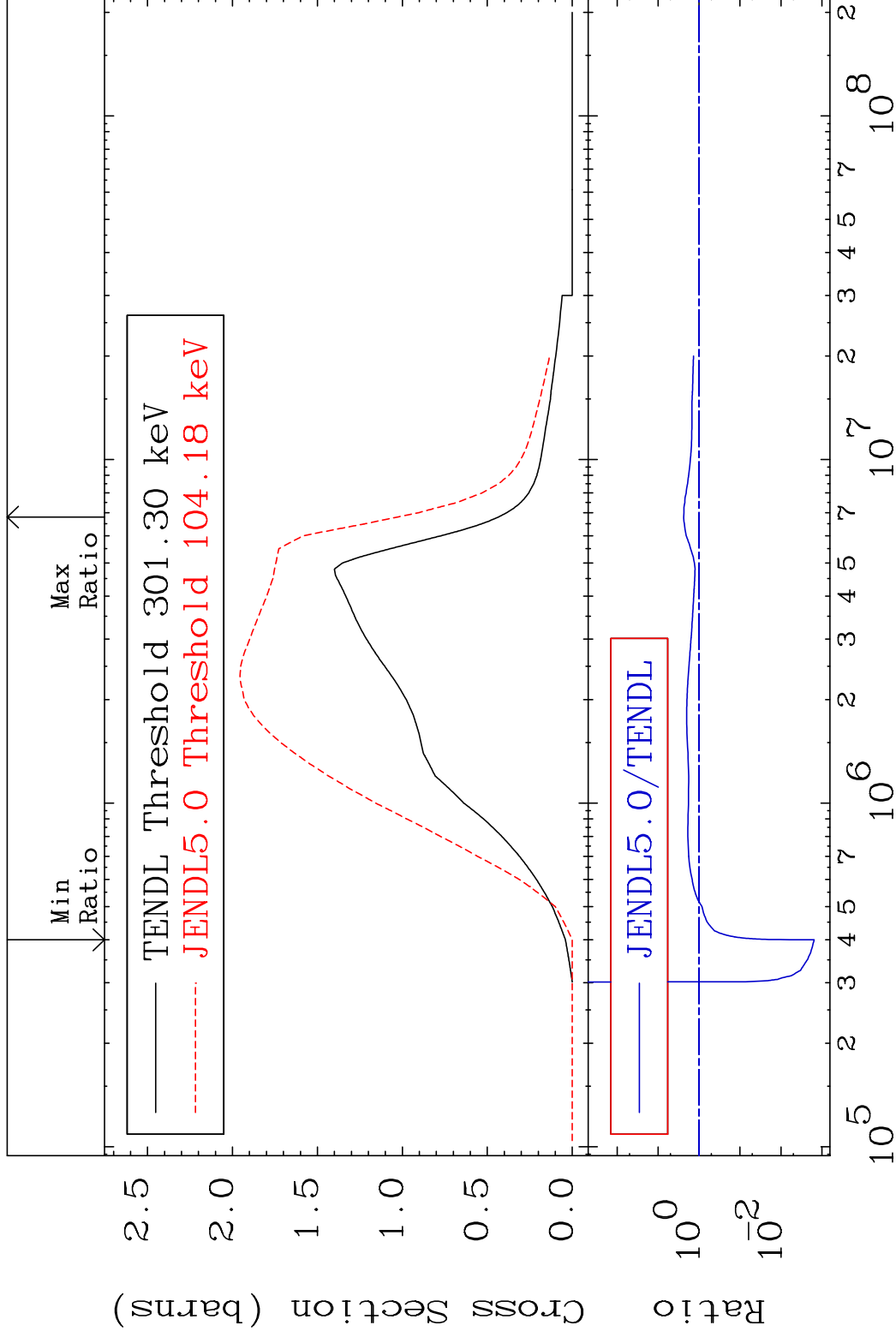


MAT 9349

(n, n') Continuum

93-Np-238

Cross Section -99.85 To 137.3 %



33

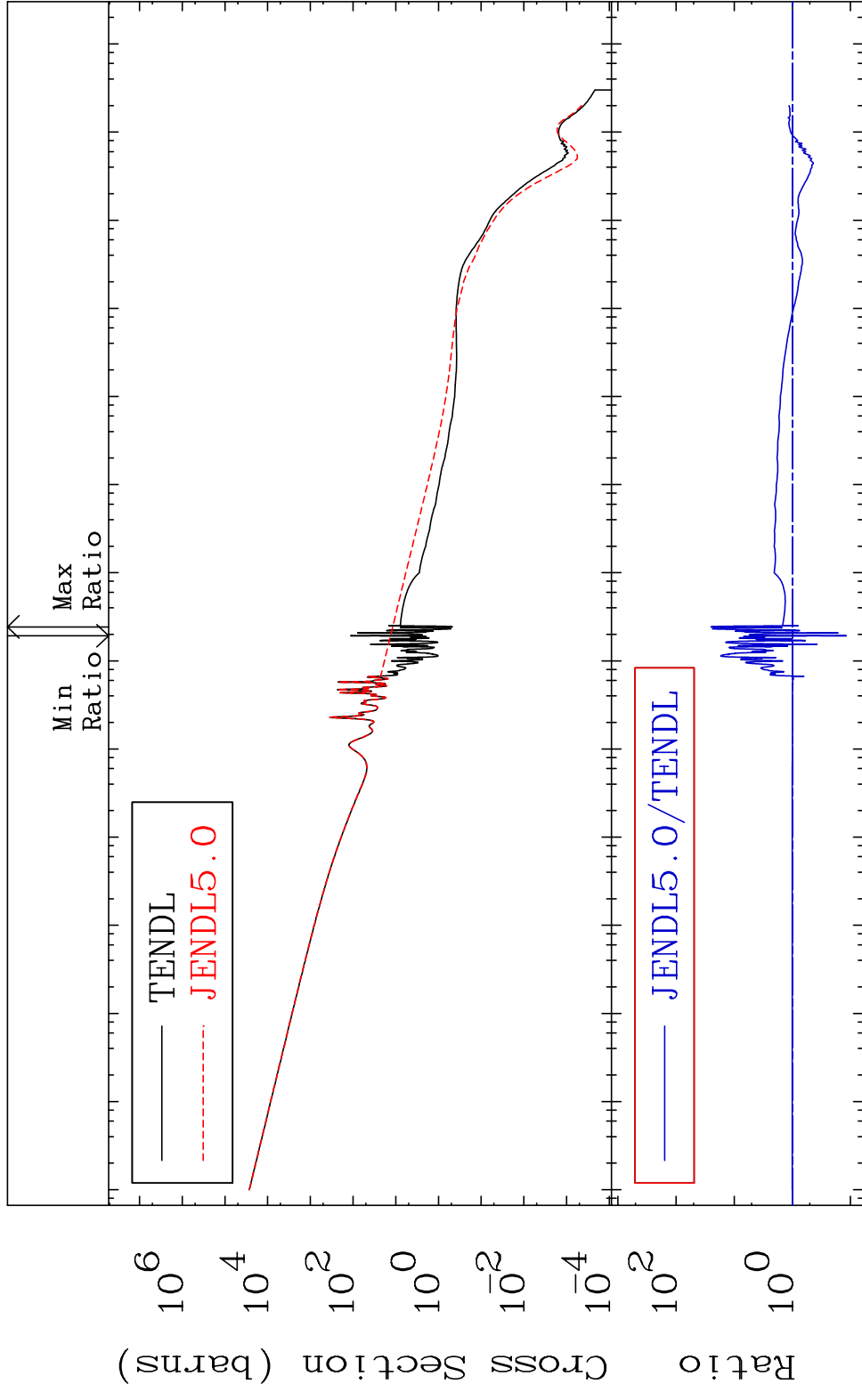
Incident Energy (eV)

93-Np-238

MAT 9349

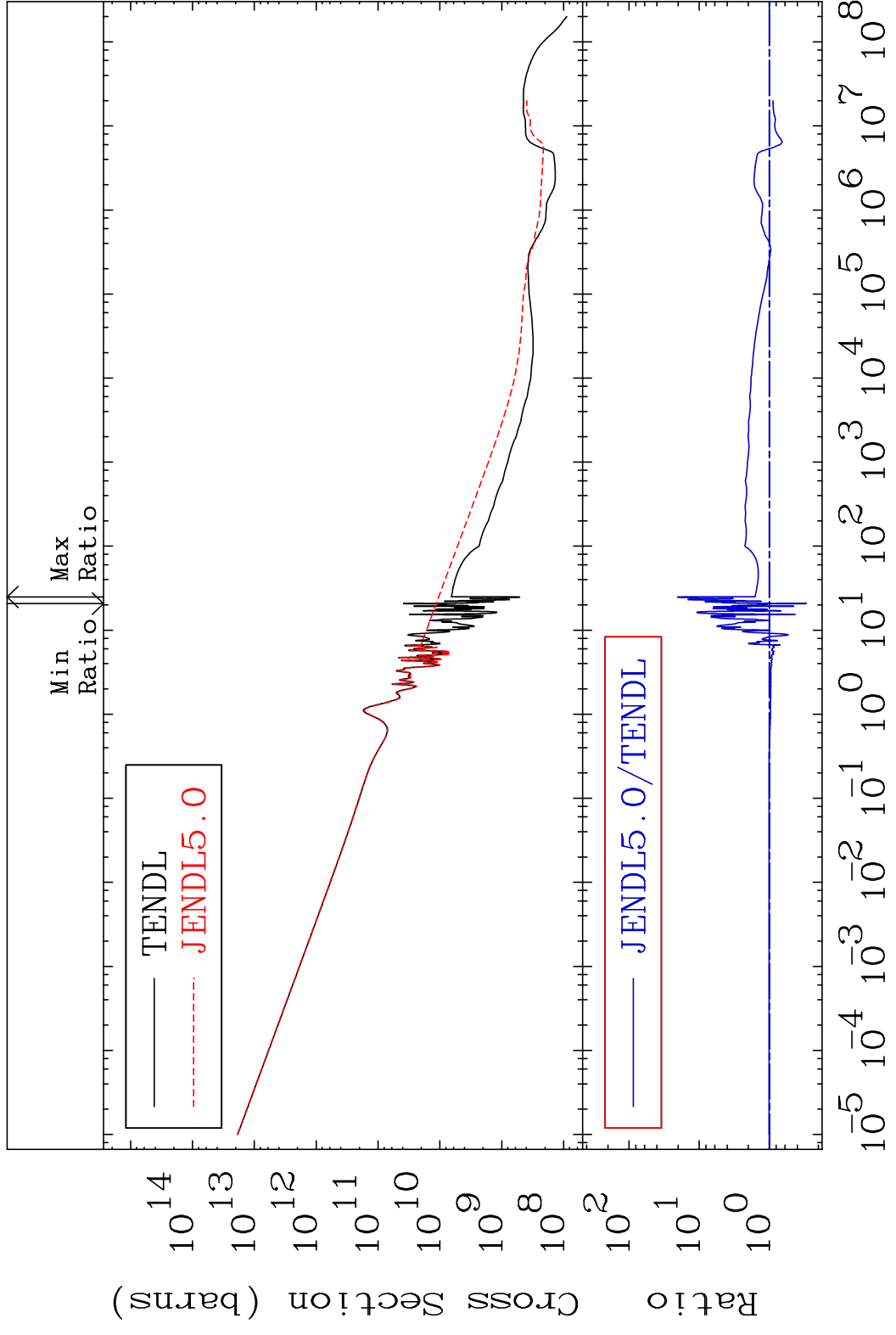
(n, γ)
Cross Section -88.19 To 2436. %

93-Np-238



MAT 9349

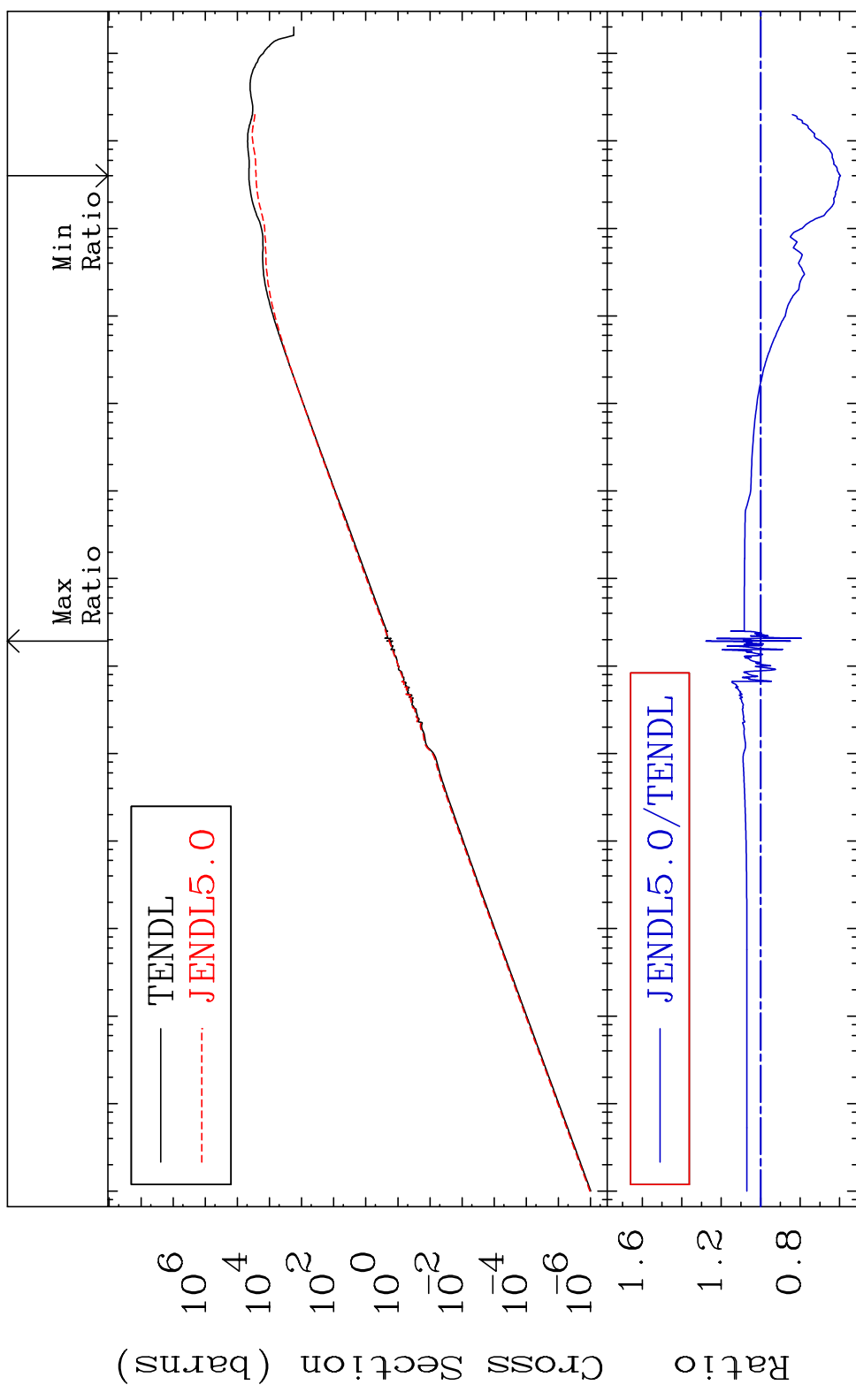
Kerma total (eV-barns) 93-Np-238
Cross Section -70.30 To 1960. %



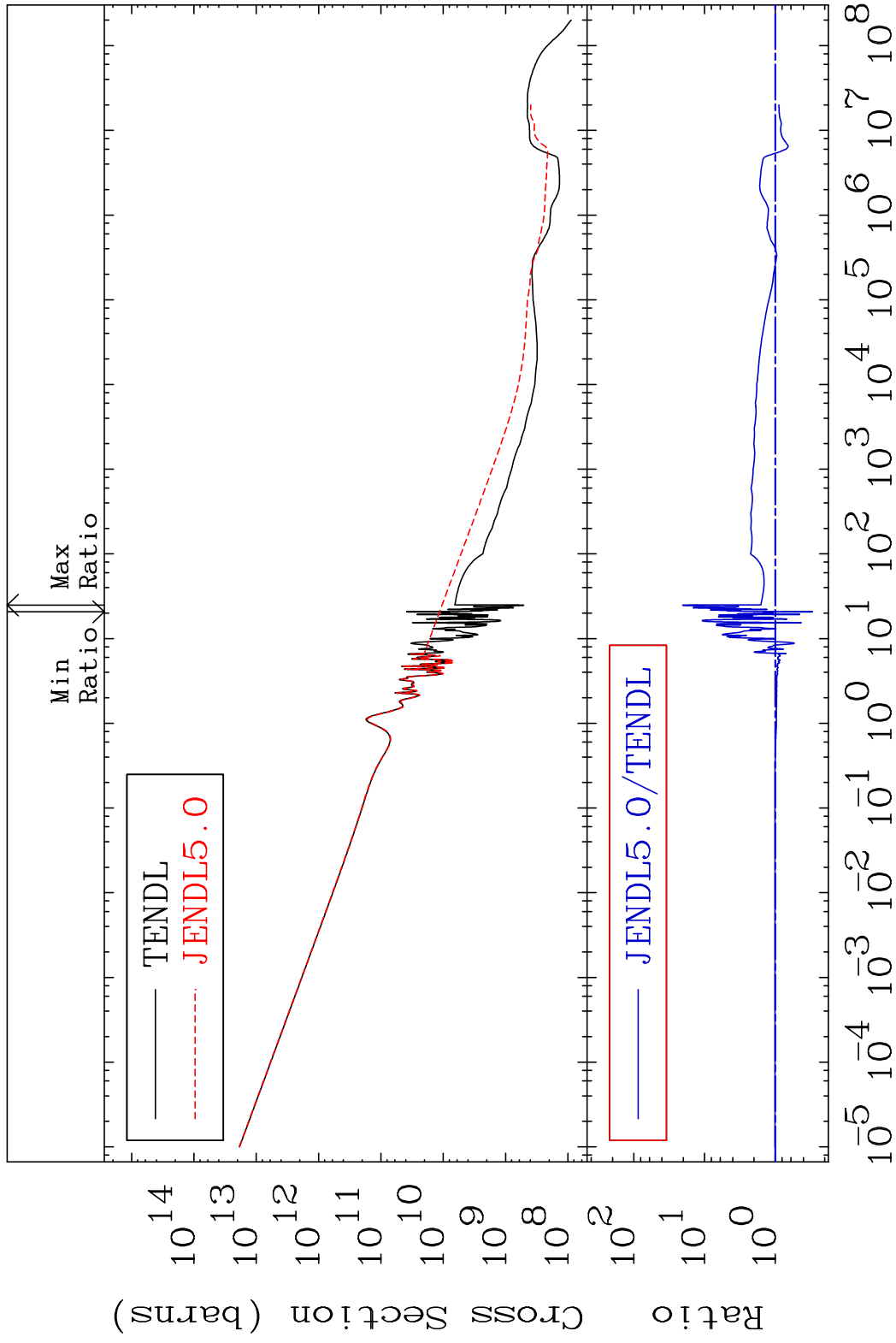
MAT 9349

Kerma elastic Cross Section -40.40 To 27.84 %

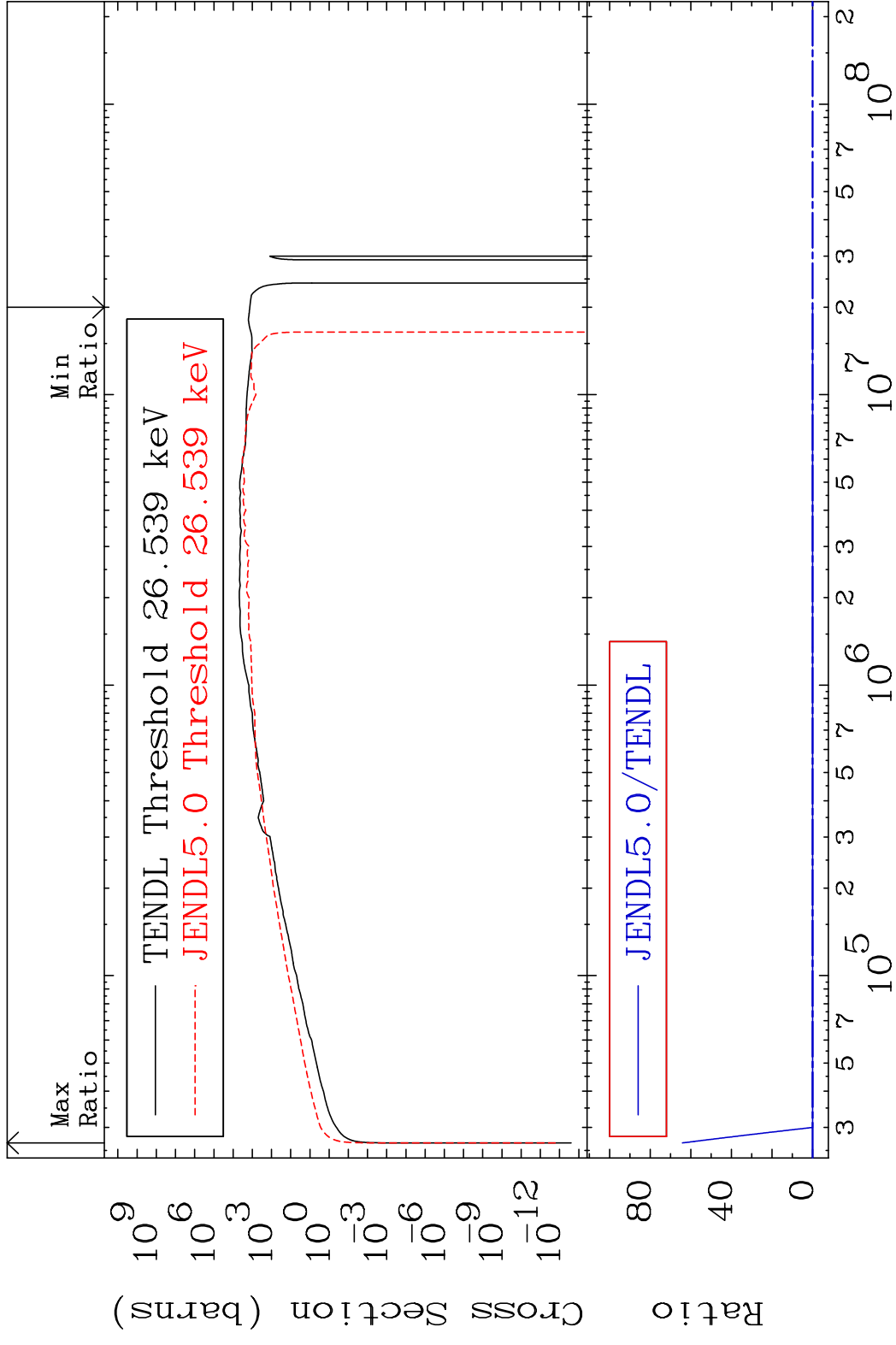
93-Np-238



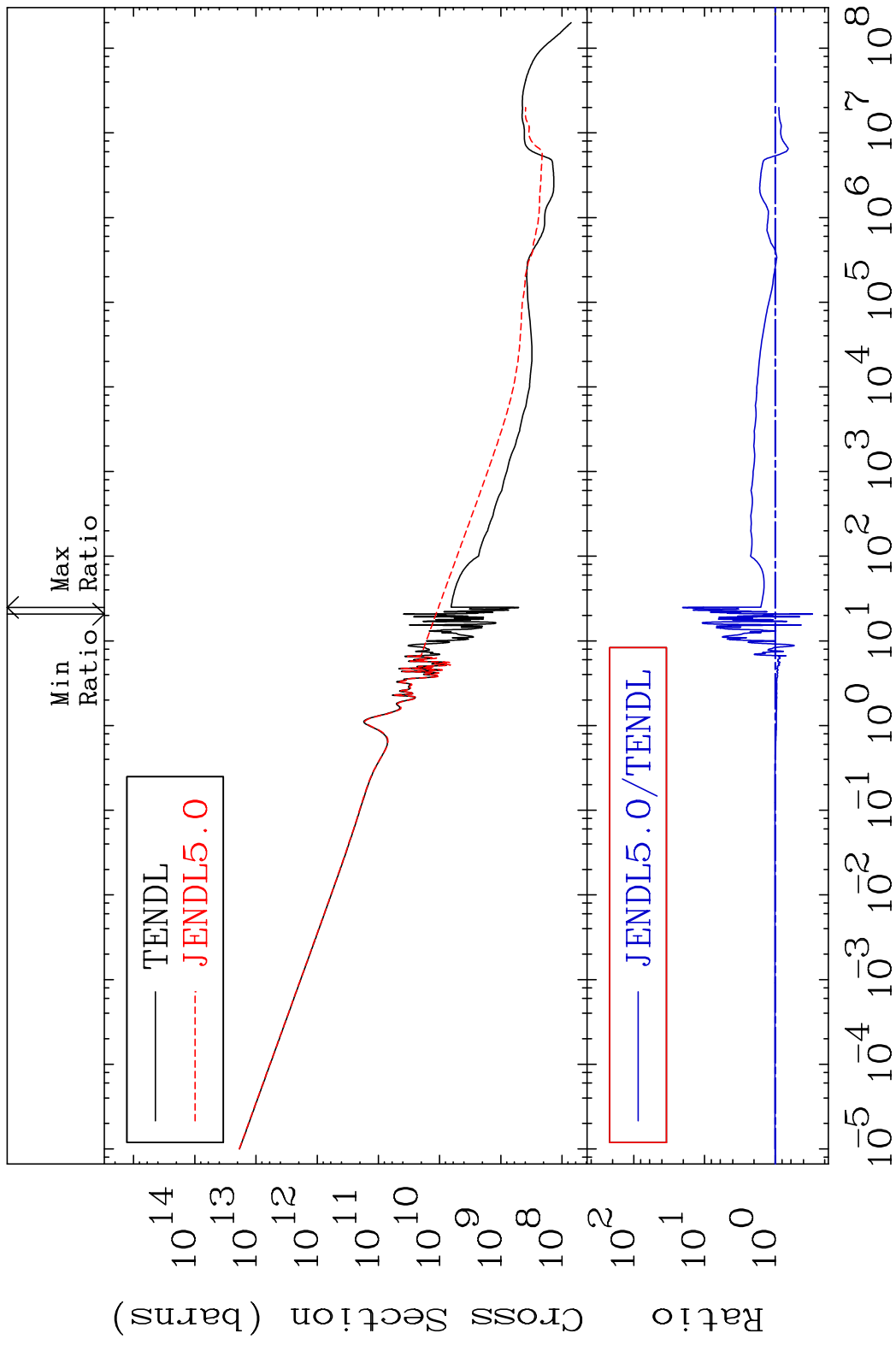
MAT 9349 Kerma non-elastic (all but mt2) 93-Np-238
 Cross Section -70.30 To 1960. %



MAT 9349 Kerma inelastic (mt51-91) 93-Np-238
 Cross Section -116.6 To 9999. %

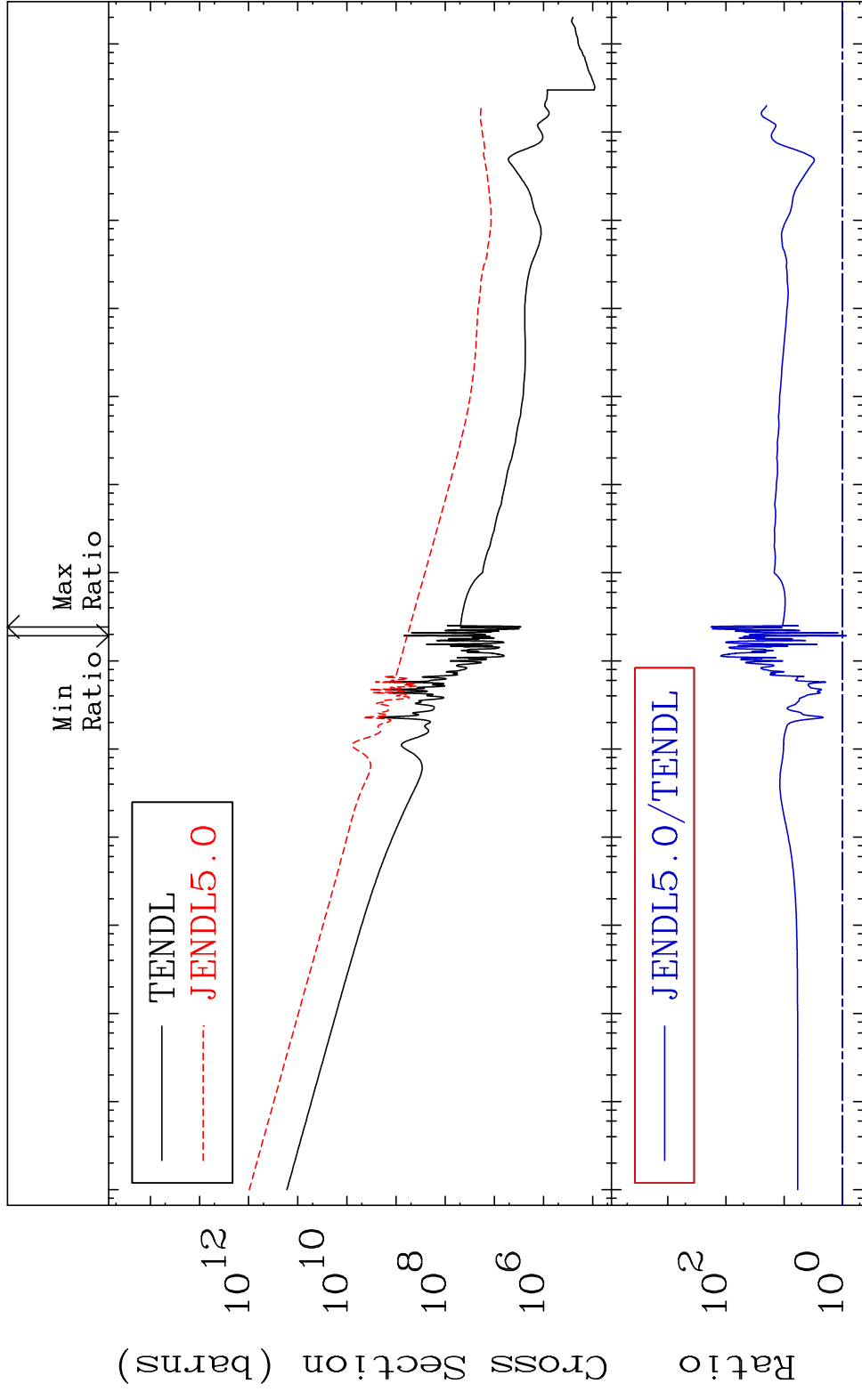


MAT 9349 Kerma fission (mt18 or mt19-20-21-38) 93-Np-238
 Cross Section -70.30 To 1960. %

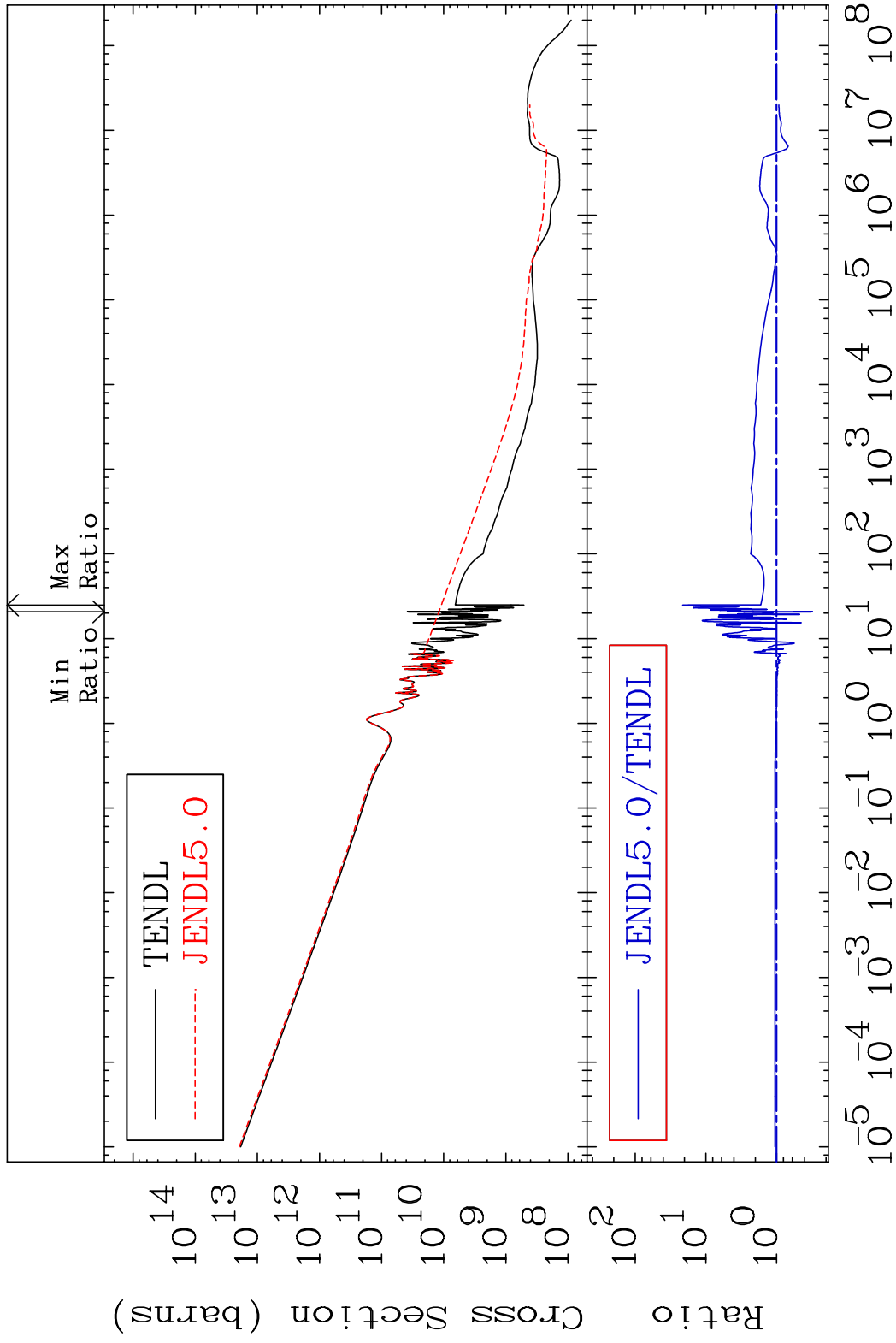


MAT 9349

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



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

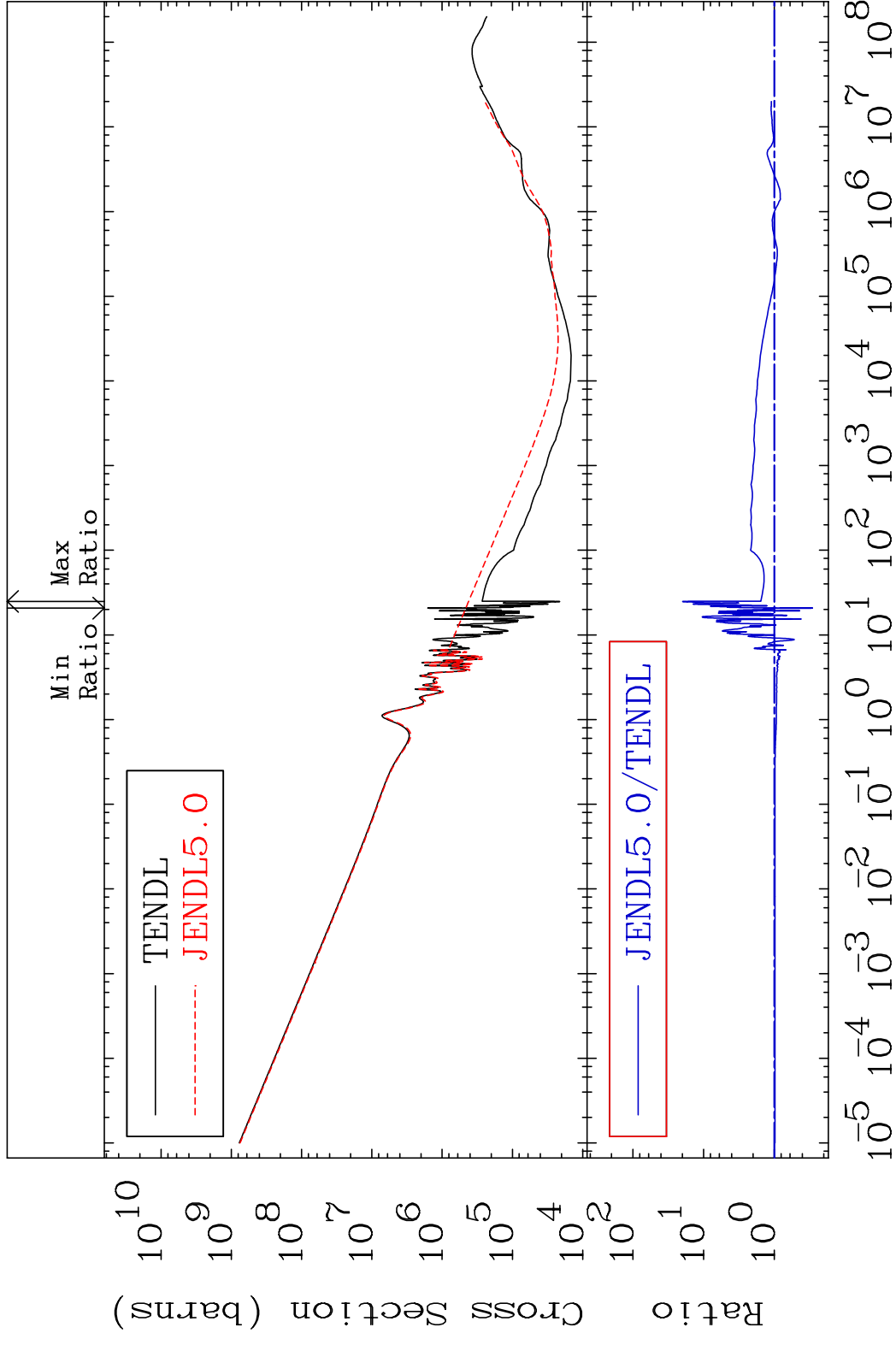


MAT 9349

Dpa total (eV-barns)

93-Np-238

Cross Section -71.21 To 1896. %



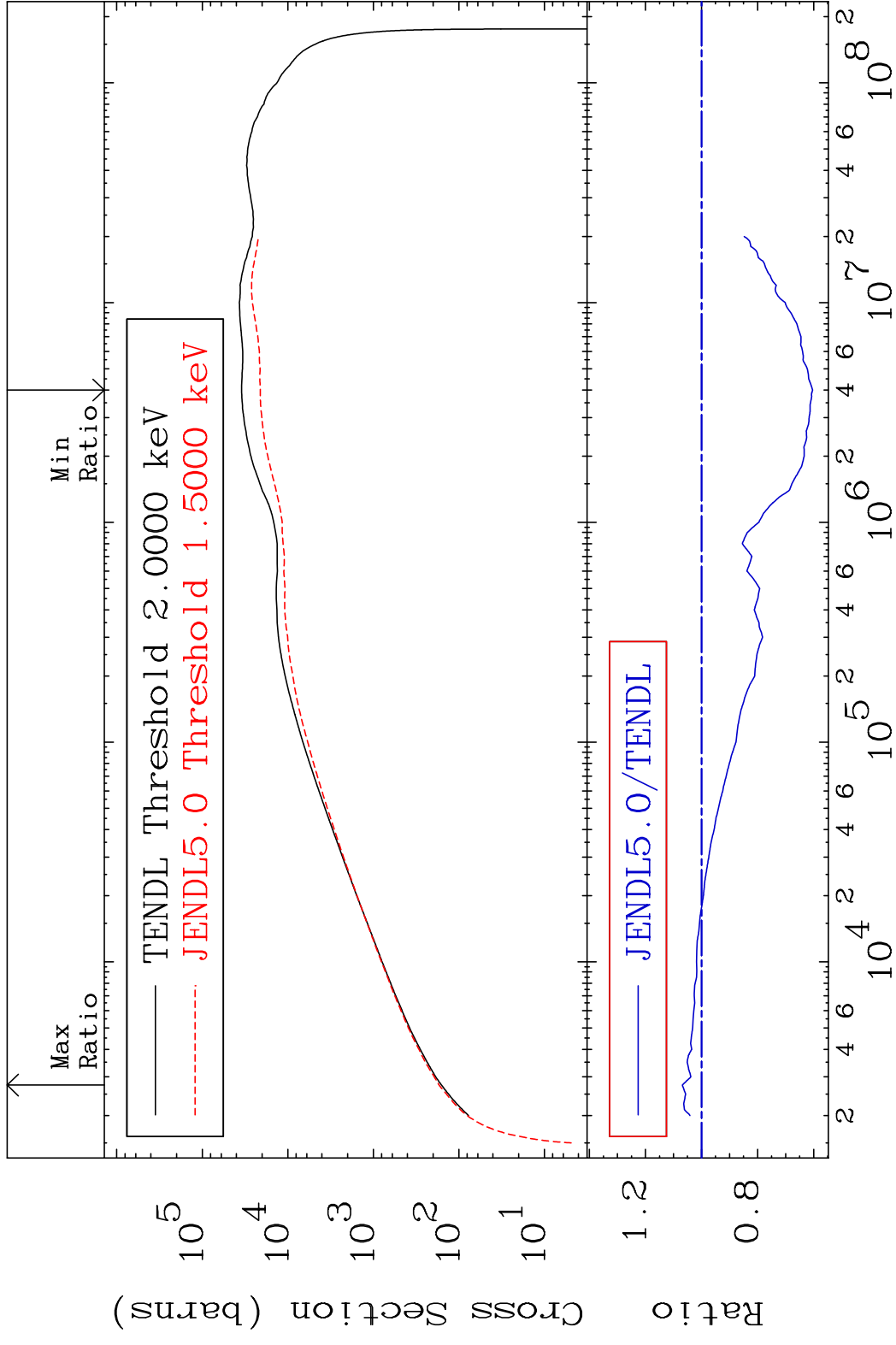
MAT 9349

Dpa elastic (mt2)

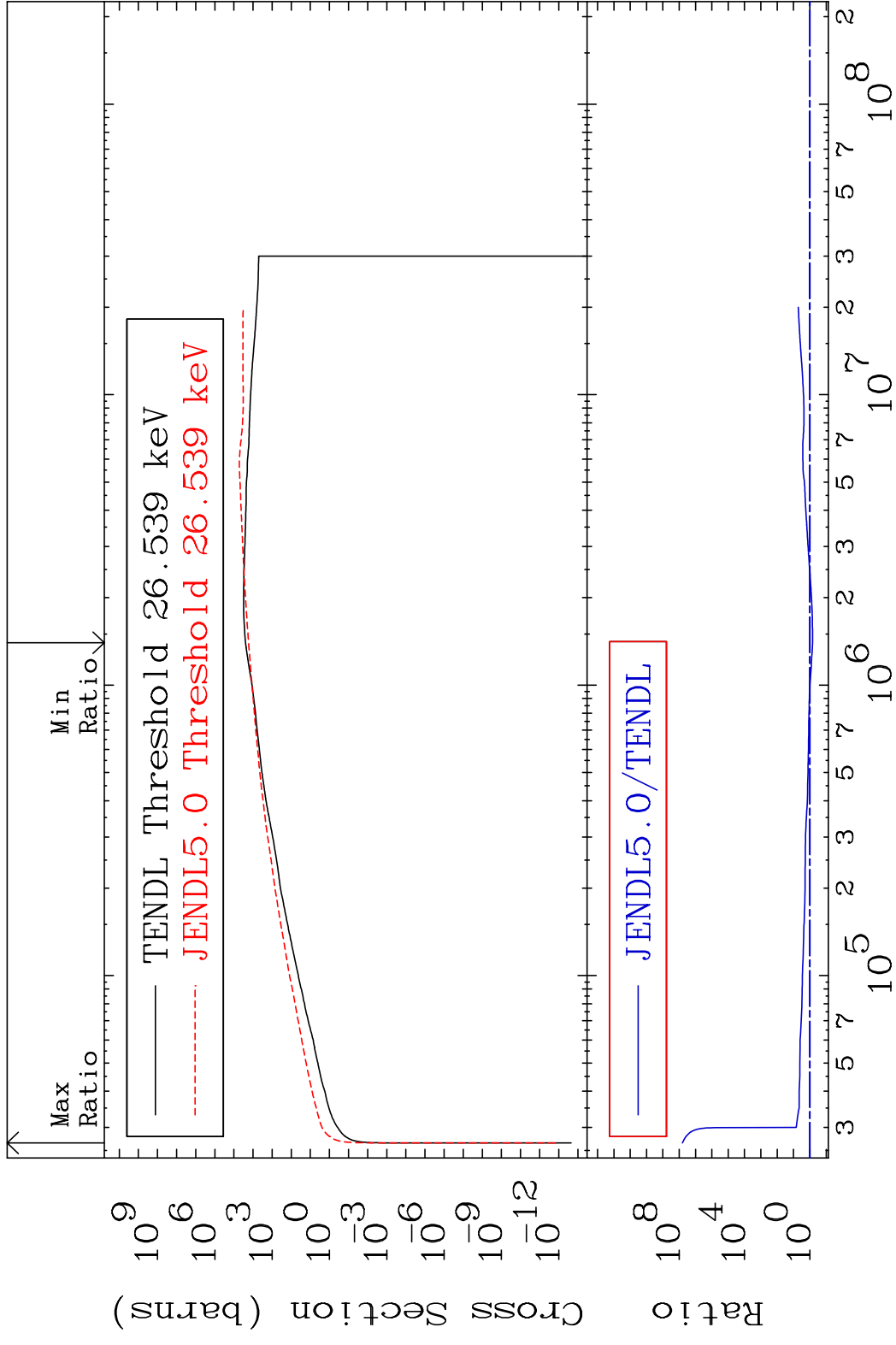
93-Np-238

Cross Section

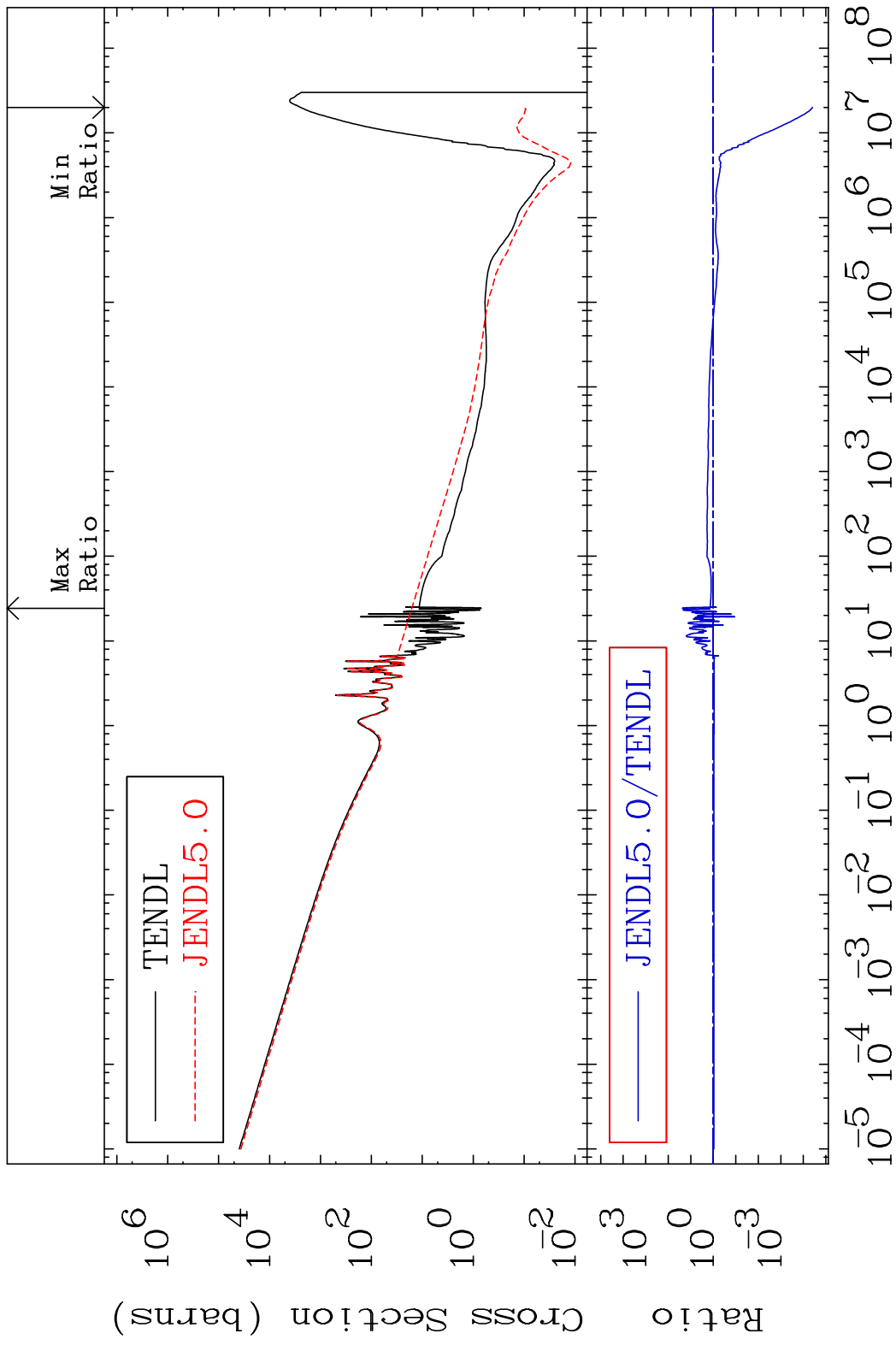
-39.61 To 6.839 %



MAT 9349 Dpa inelastic (mt51-91) 93-Np-238
 Cross Section -31.74 To 9999. %



MAT 9349 Dpa disappearance (mt102 -120) 93-Np-238
 Cross Section -100.0 To 2256. %

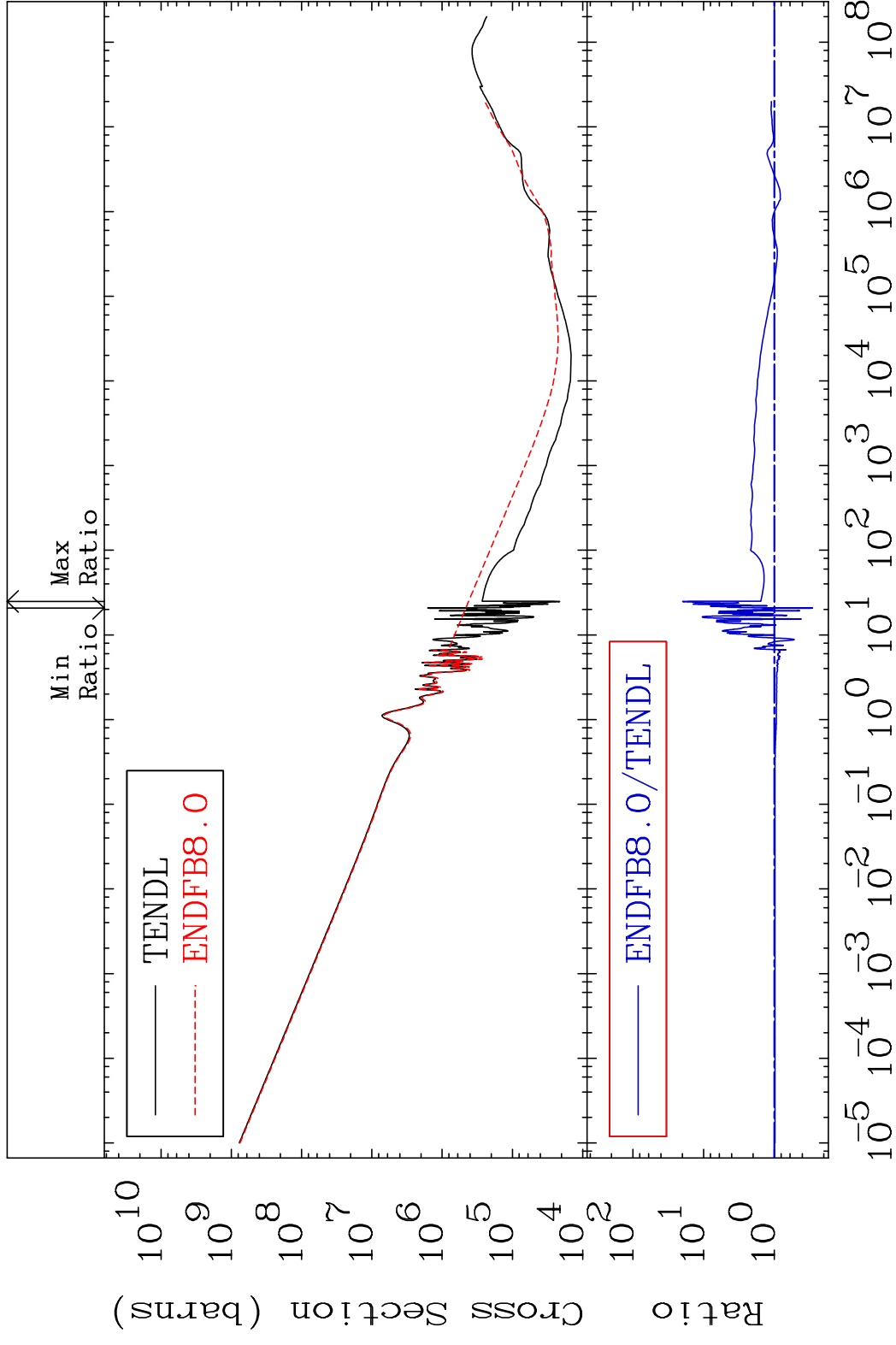


MAT 9349

Dpa total (eV-barns)

93-Np-238

Cross Section -71.21 To 1896. %



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Incident Energy (eV)

93-Np-238

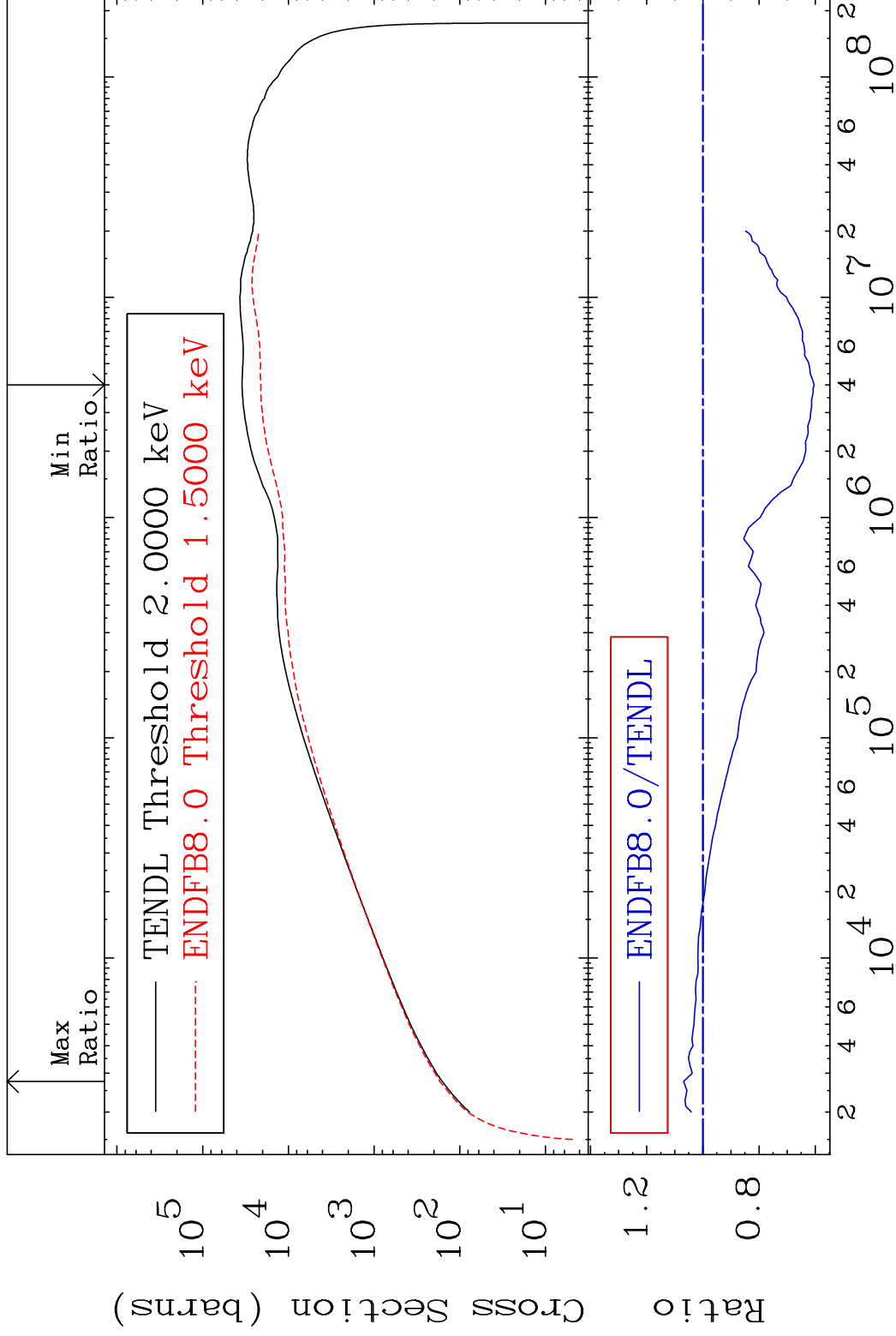
MAT 9349

Dpa elastic (mt2)

93-Np-238

Cross Section

-39.61 To 6.839 %

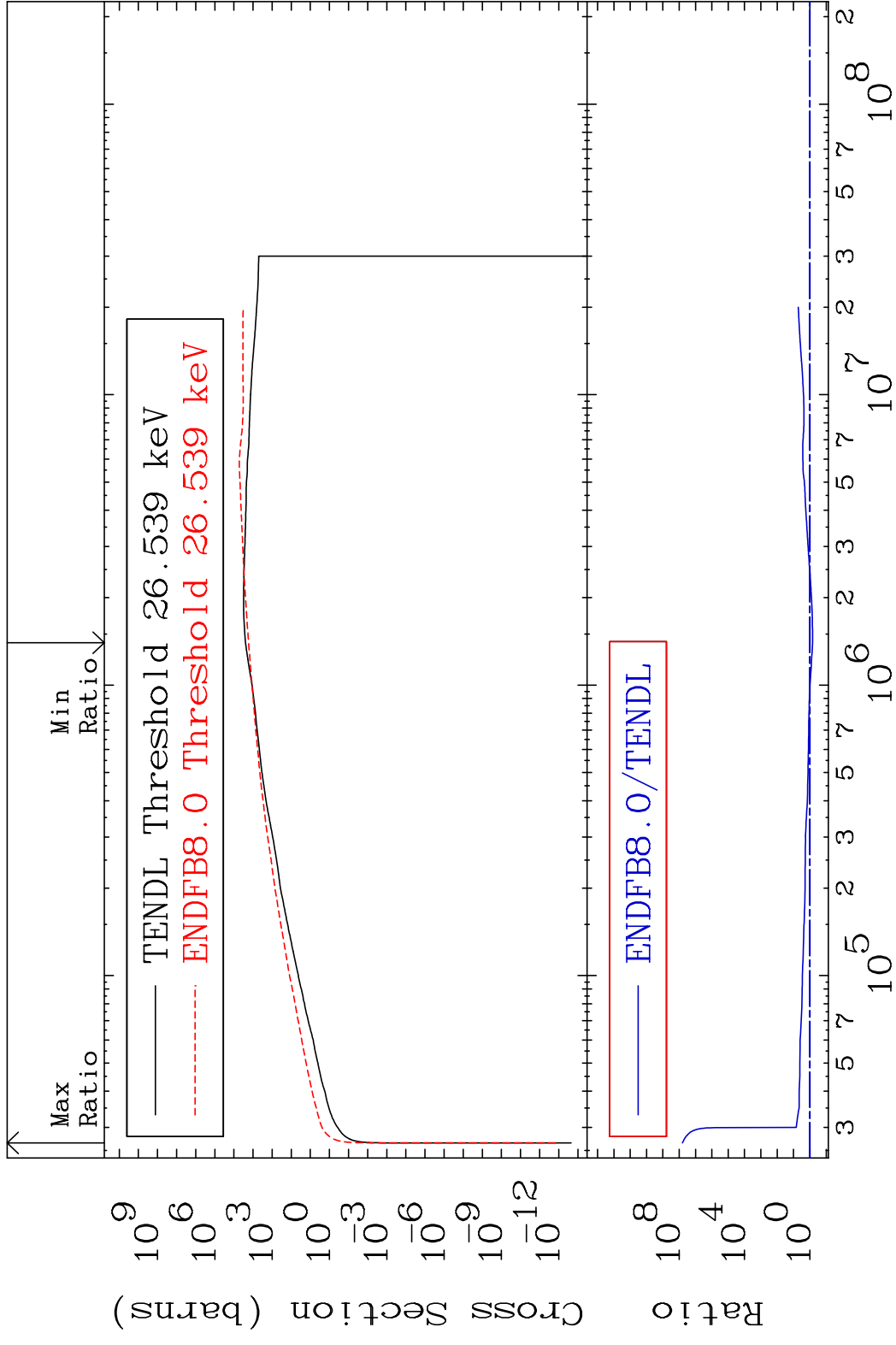


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Incident Energy (eV)

93-Np-238

MAT 9349 Dpa inelastic (mt51-91) 93-Np-238
 Cross Section -31.74 To 9999. %



MAT 9349 Dpa disappearance (mt102 -120) 93-Np-238
 Cross Section -100.0 To 2256. %

