

Program Complot
(Version 2021-1)

by

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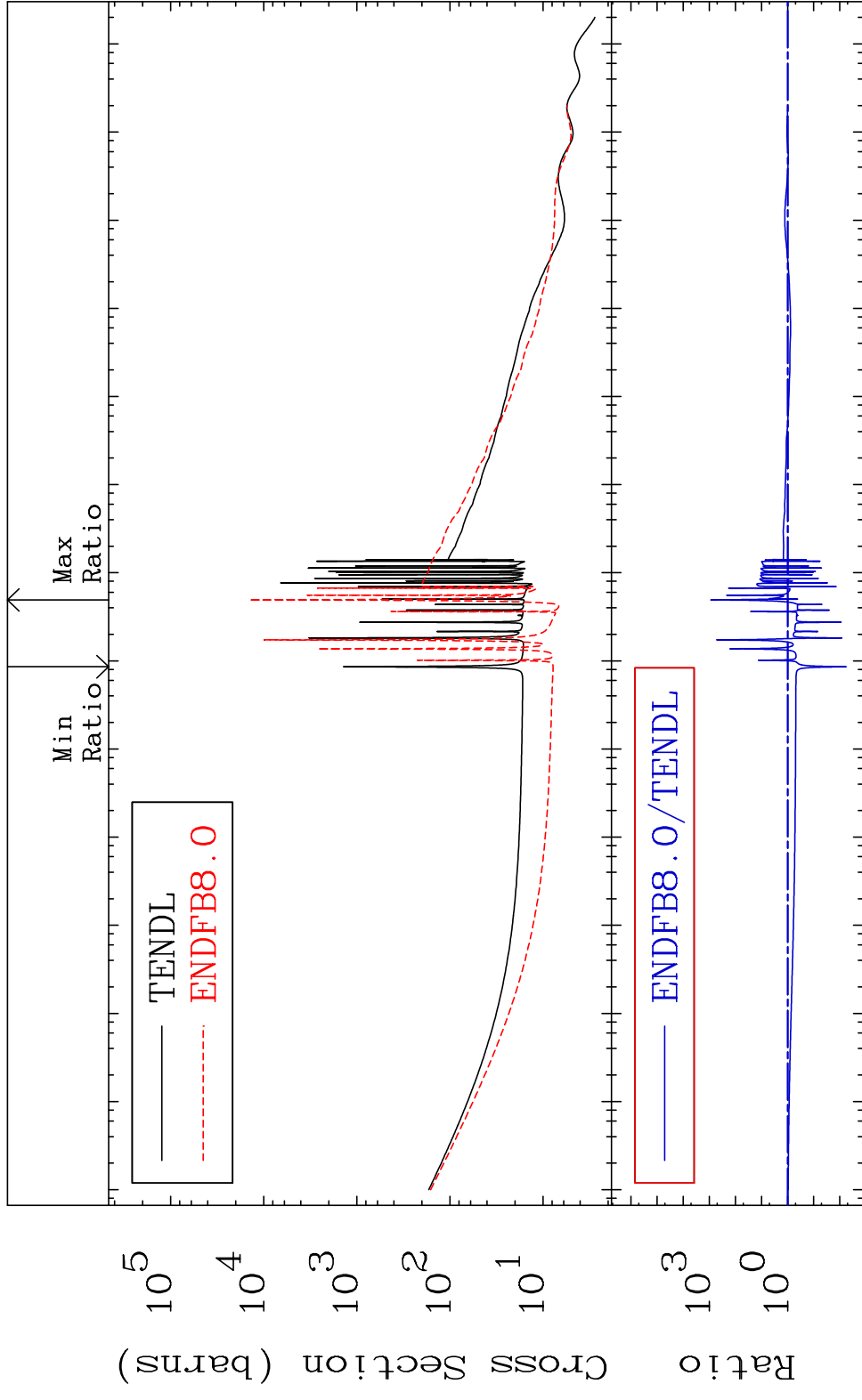
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7440

Total
Cross Section -99.44 To 9999. %

74-W -185



10⁵
10⁴
10³
10²
10¹
Cross Section (barns)

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

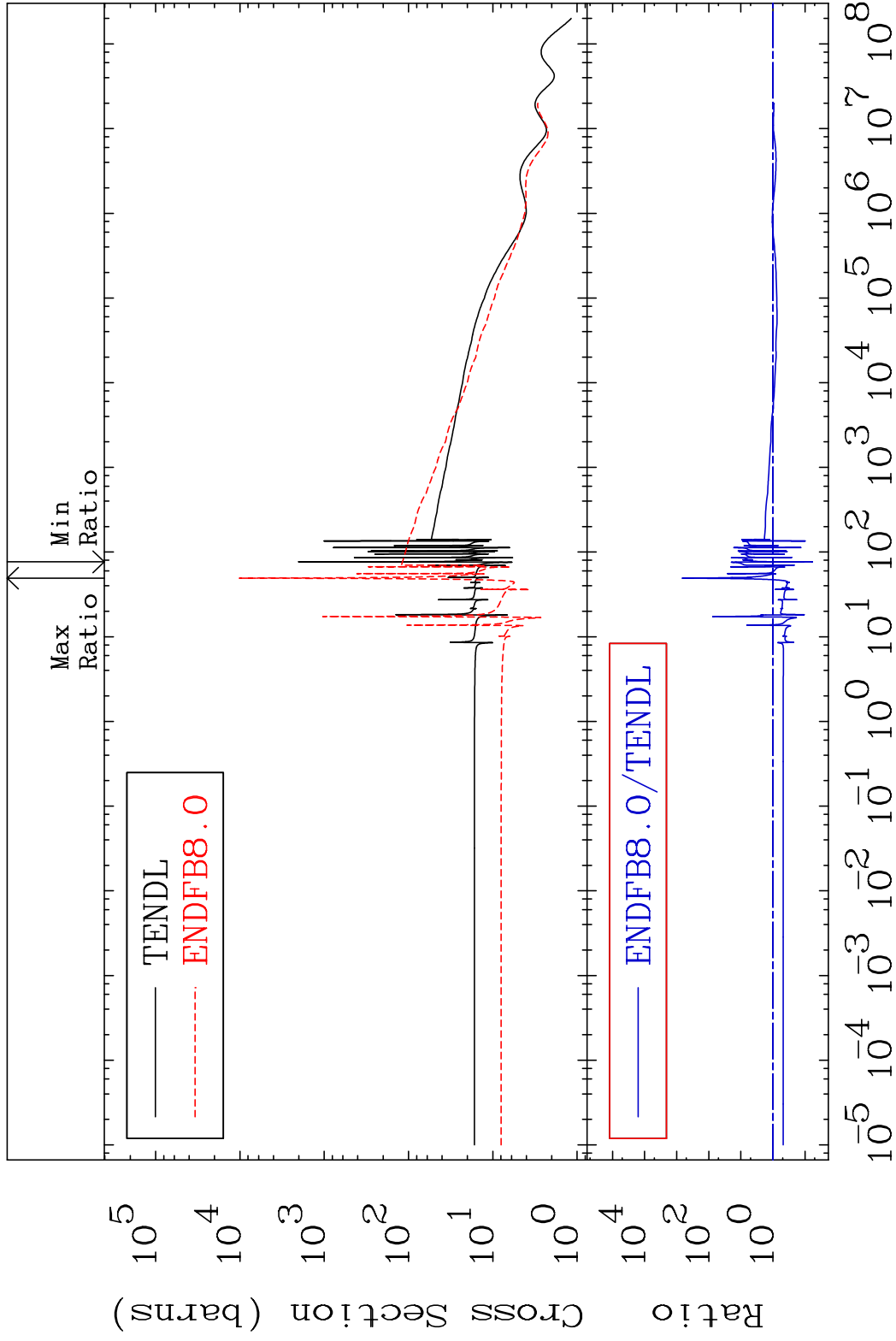
1 74-W -185

MAT 7440

Elastic

74-W -185

Cross Section -94.16 To 9999. %

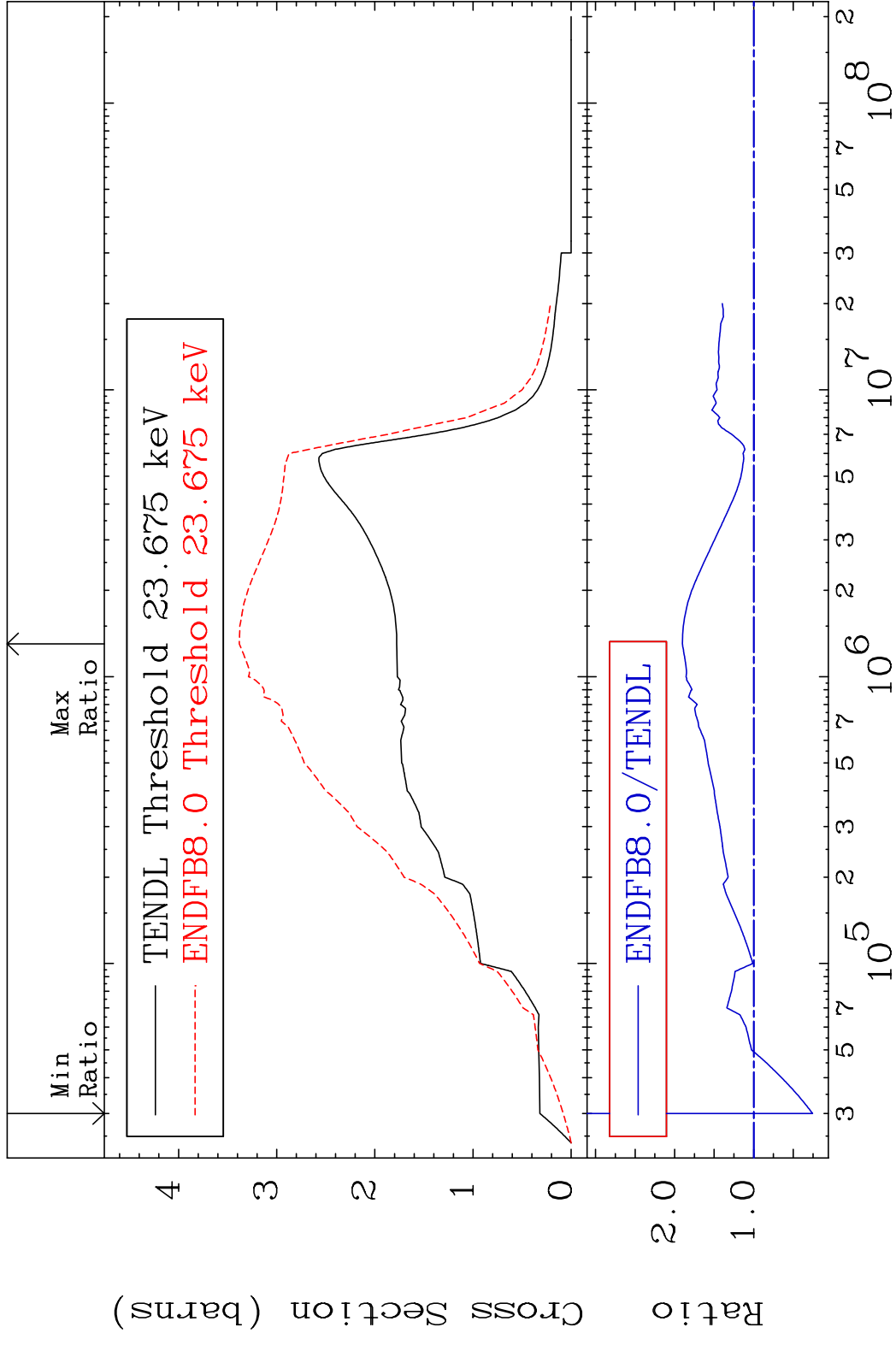


2

Incident Energy (eV)

74-W -185

MAT 7440 Inelastic 74-W -185
 Cross Section -74.47 To 90.21 %



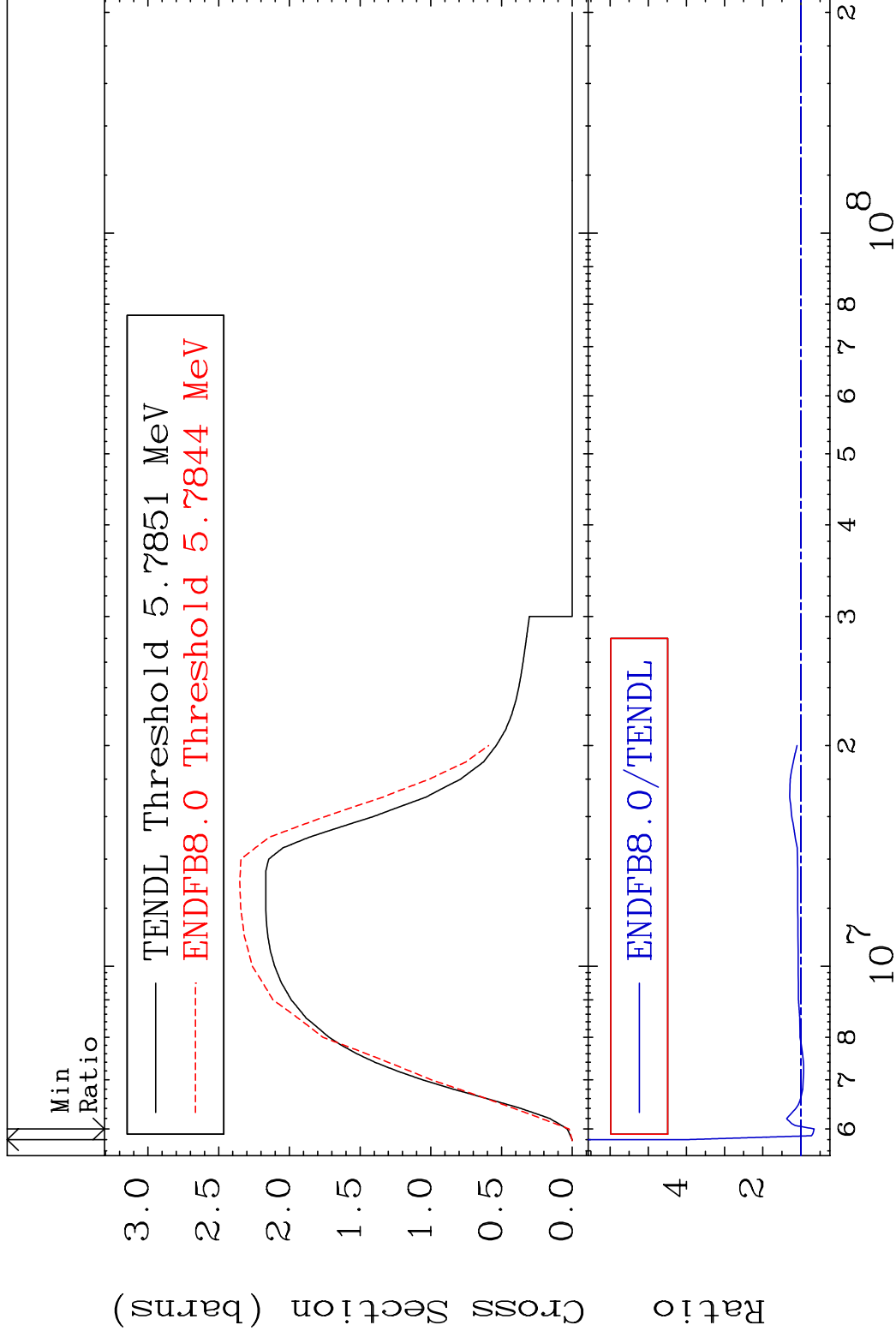
3 3 Incident Energy (eV) 74-W -185

MAT 7440

(n,2n)

74-W -185

Cross Section -34.55 To 307.1 %

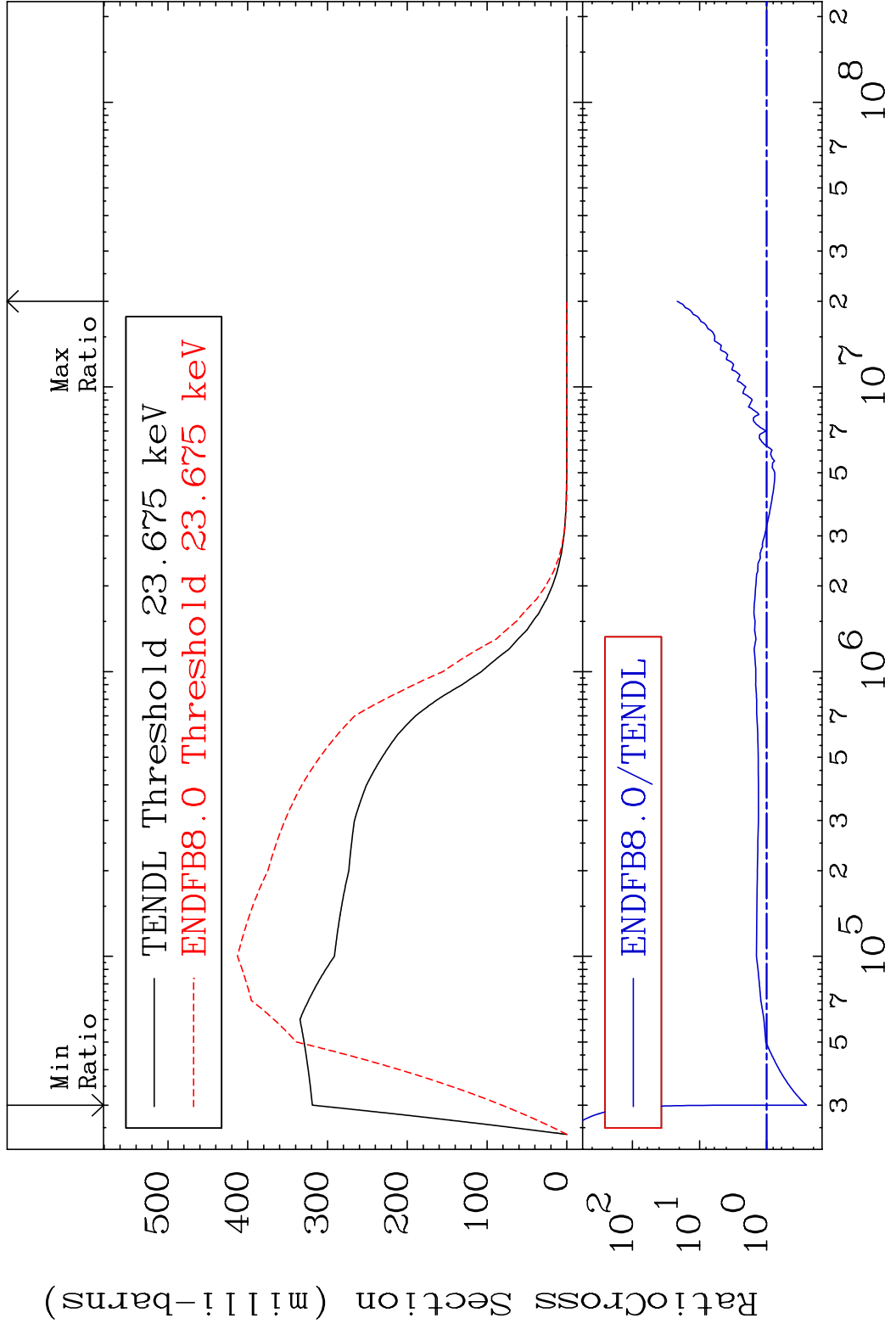


4

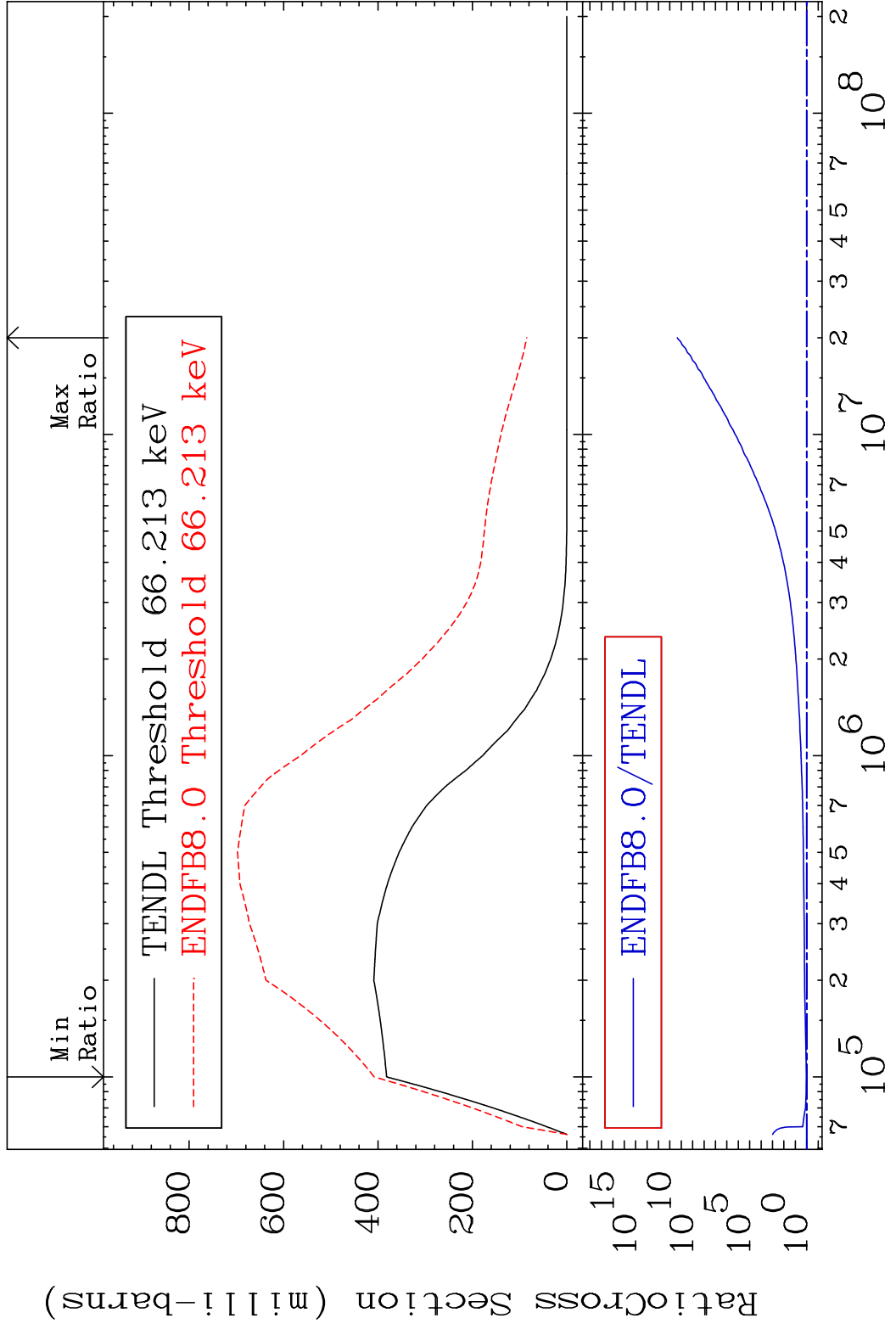
Incident Energy (eV)

74-W -185

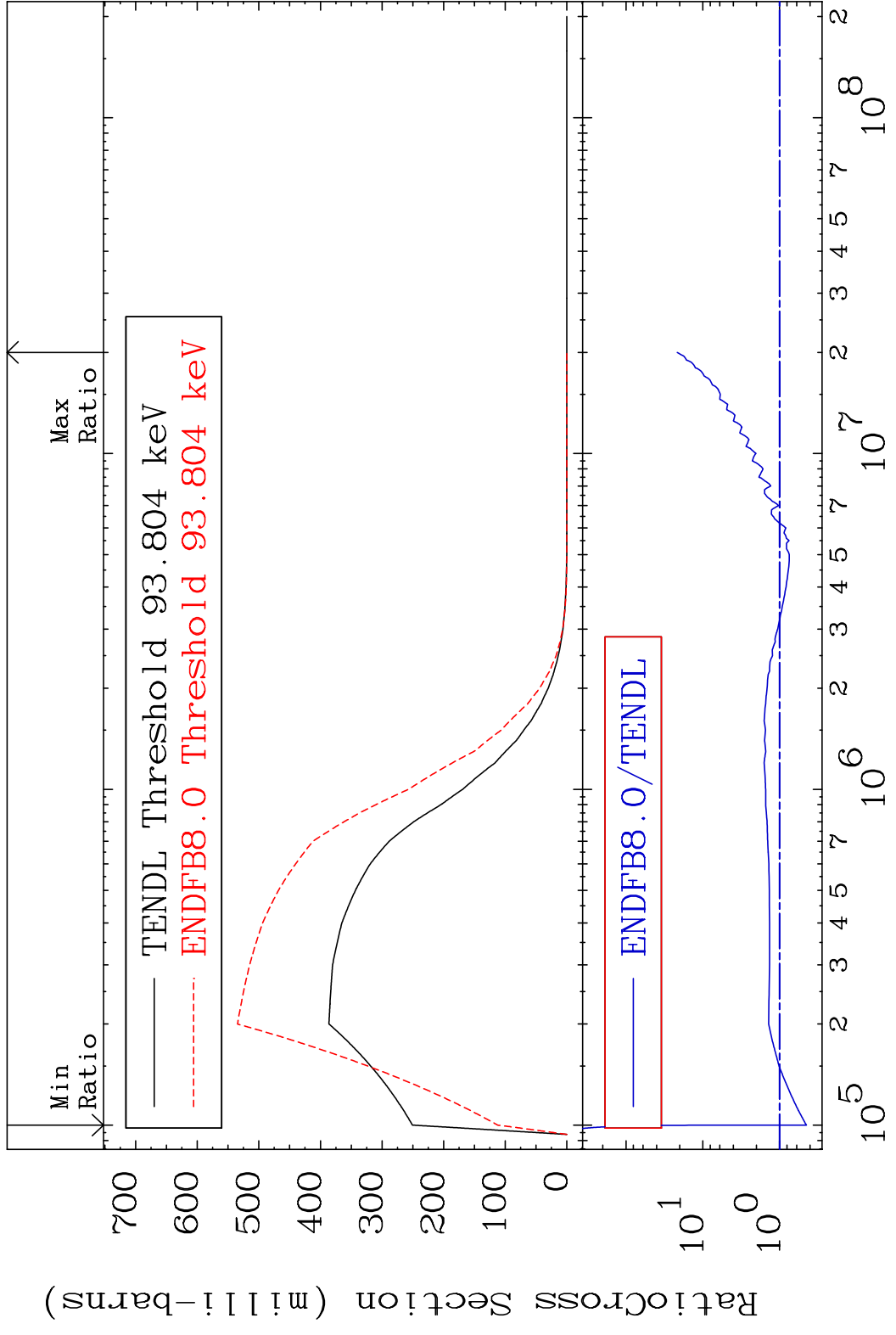
MAT 7440 MT= 51 (n,n') Level 74-W -185
 Cross Section -74.47 To 2055. %



MAT 7440 MT= 52 (n,n') Level 74-W -185
 Cross Section 6.921 To 9999. %

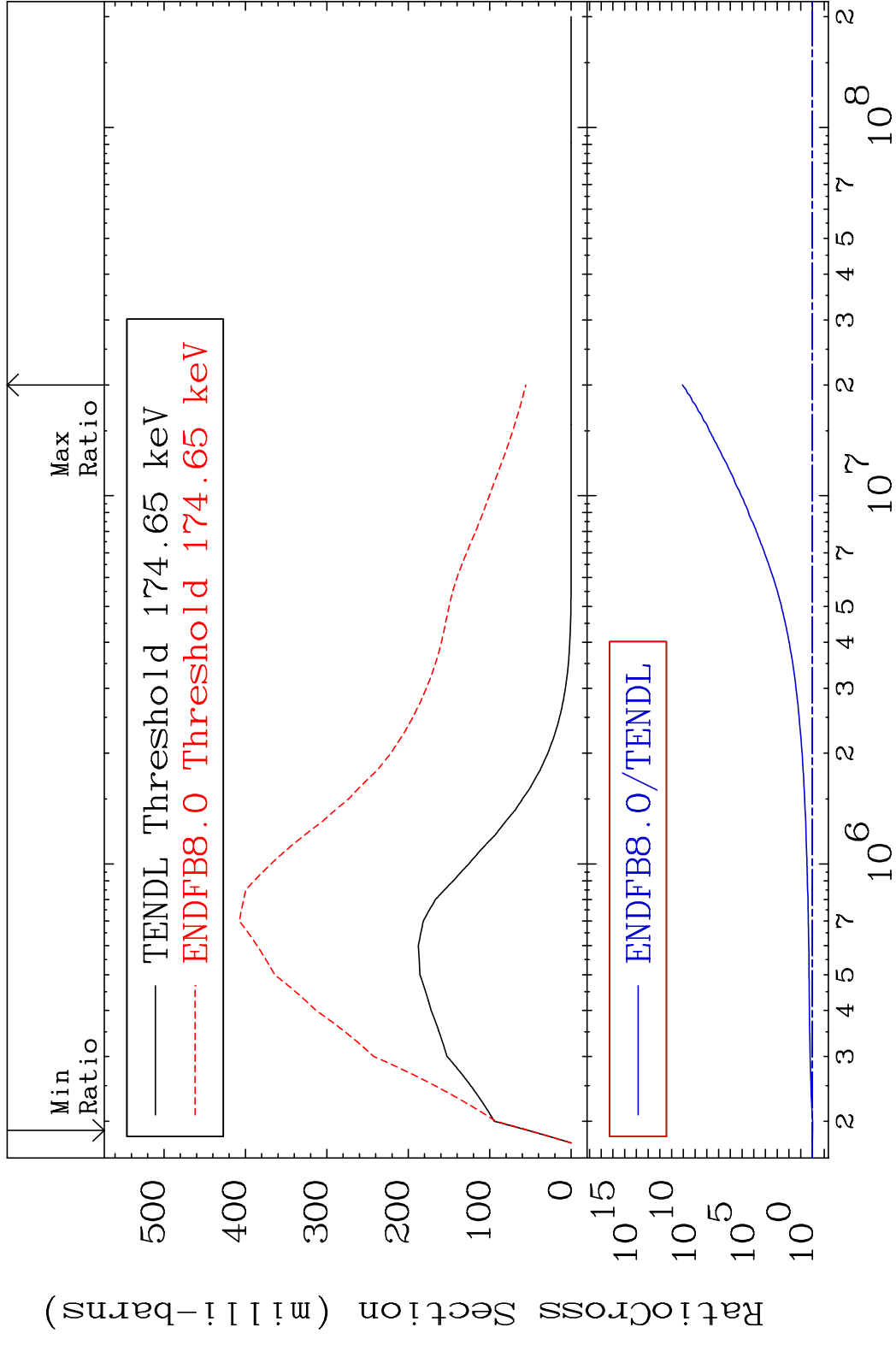


MAT 7440 MT= 53 (n, n') Level 74-W -185
 Cross Section -55.25 To 2054. %

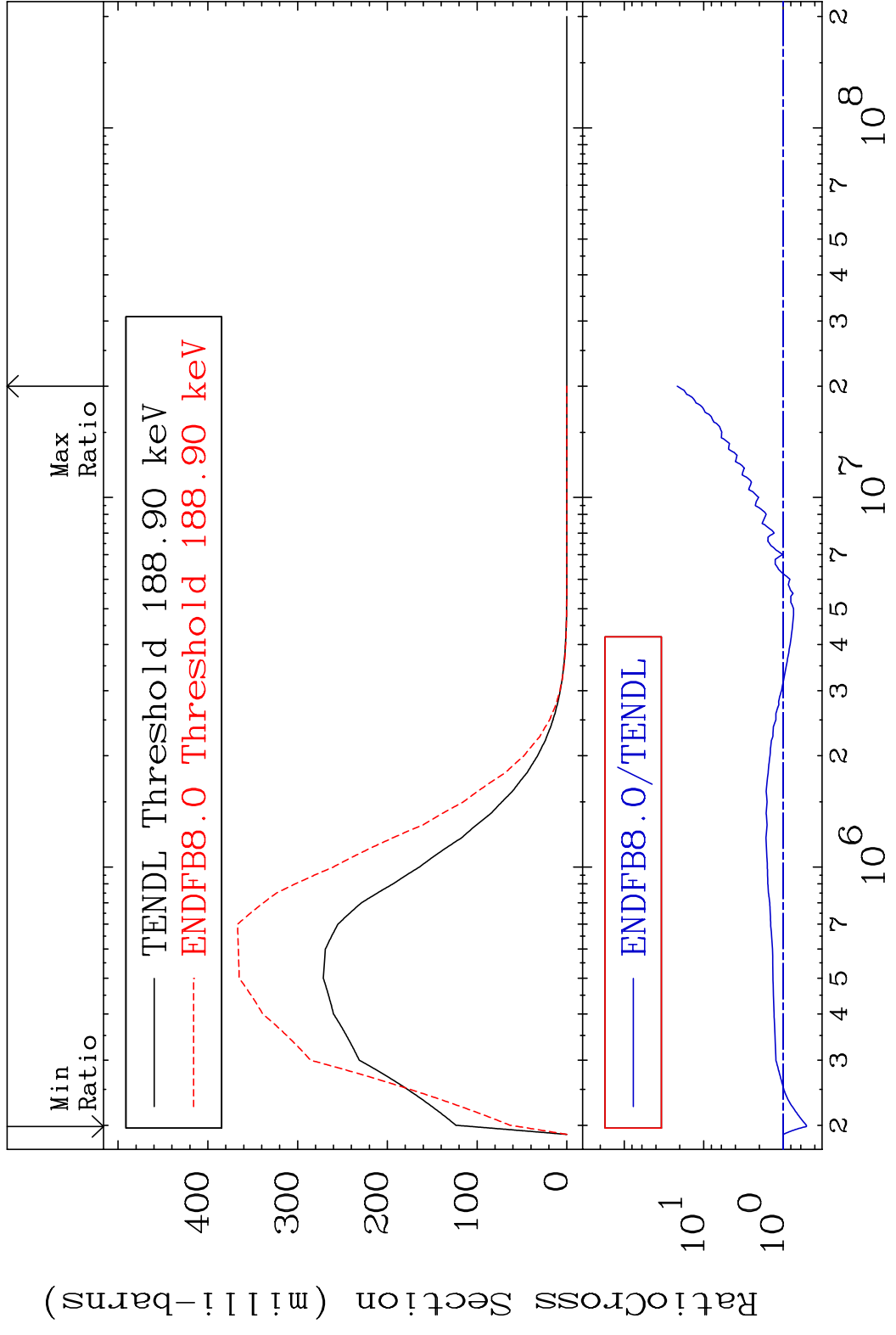


7 Incident Energy (eV) 74-W -185

MAT 7440 MT= 54 (n, n') Level 74-W -185
 Cross Section -1.942 To 9999. %



MAT 7440 MT= 55 (n, n') Level 74-W -185
 Cross Section -48.89 To 2056. %

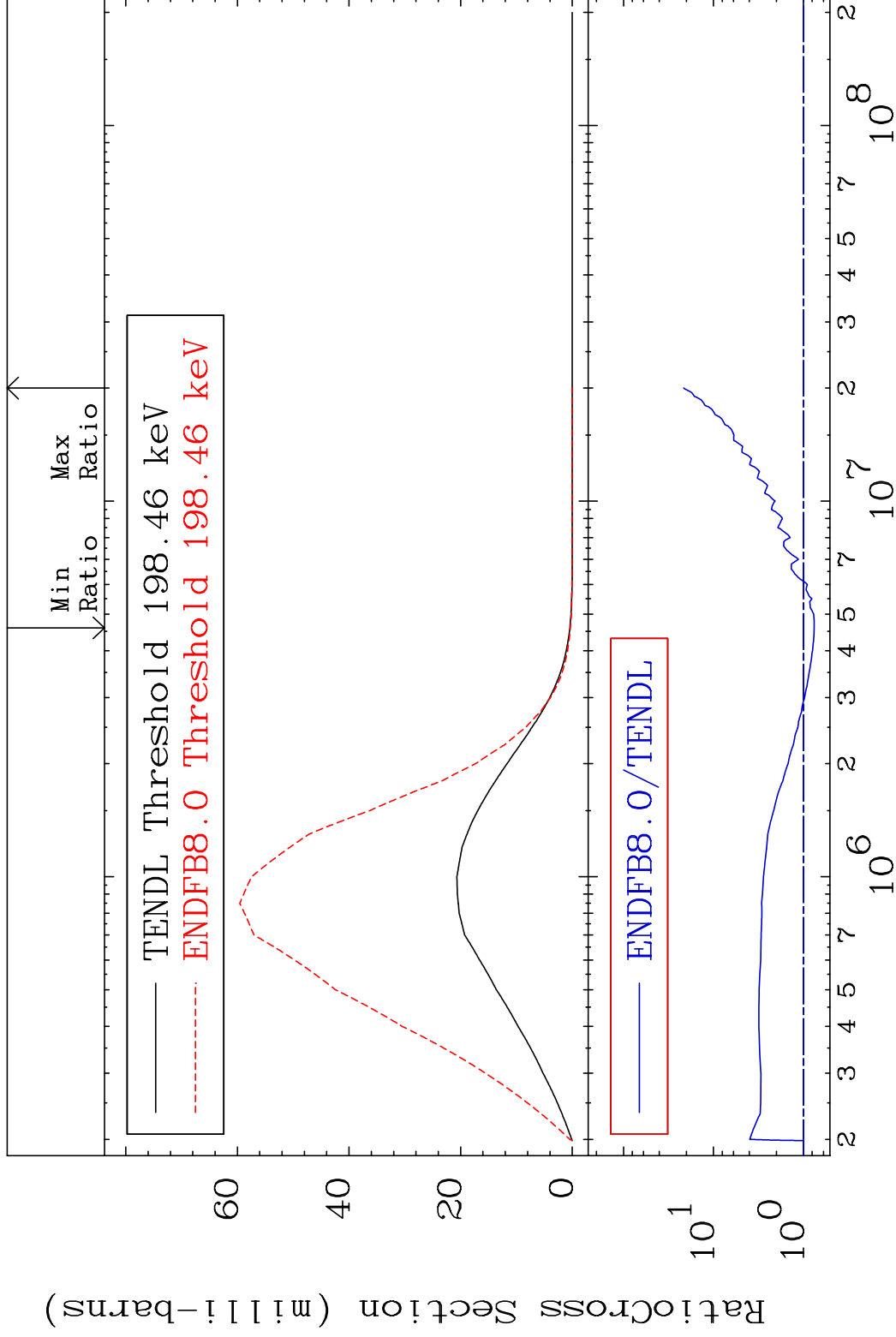


MAT 7440

MT= 56 (n, n') Level

74-W -185

Cross Section -23.80 To 2047. %

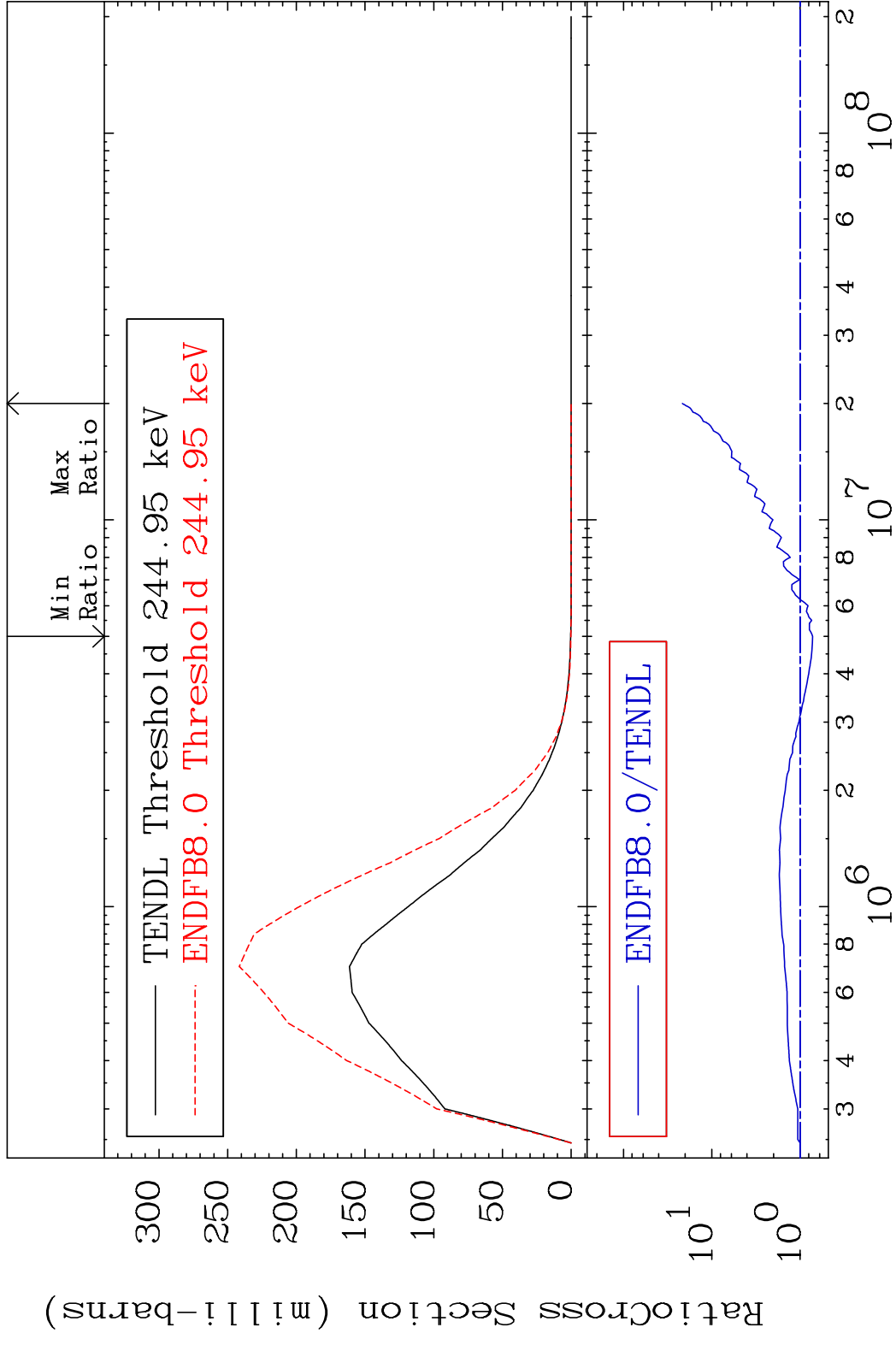


10

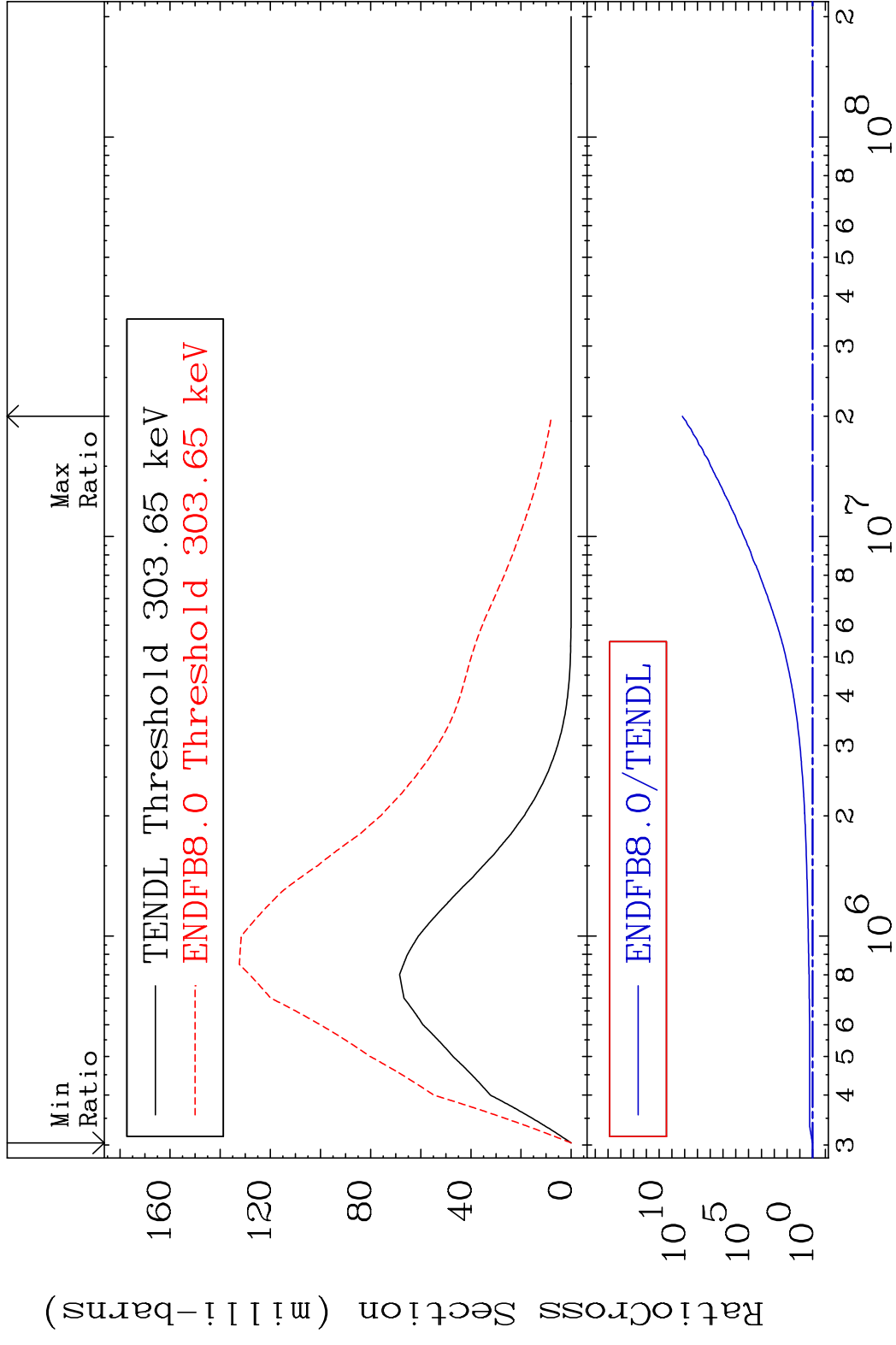
Incident Energy (eV)

74-W -185

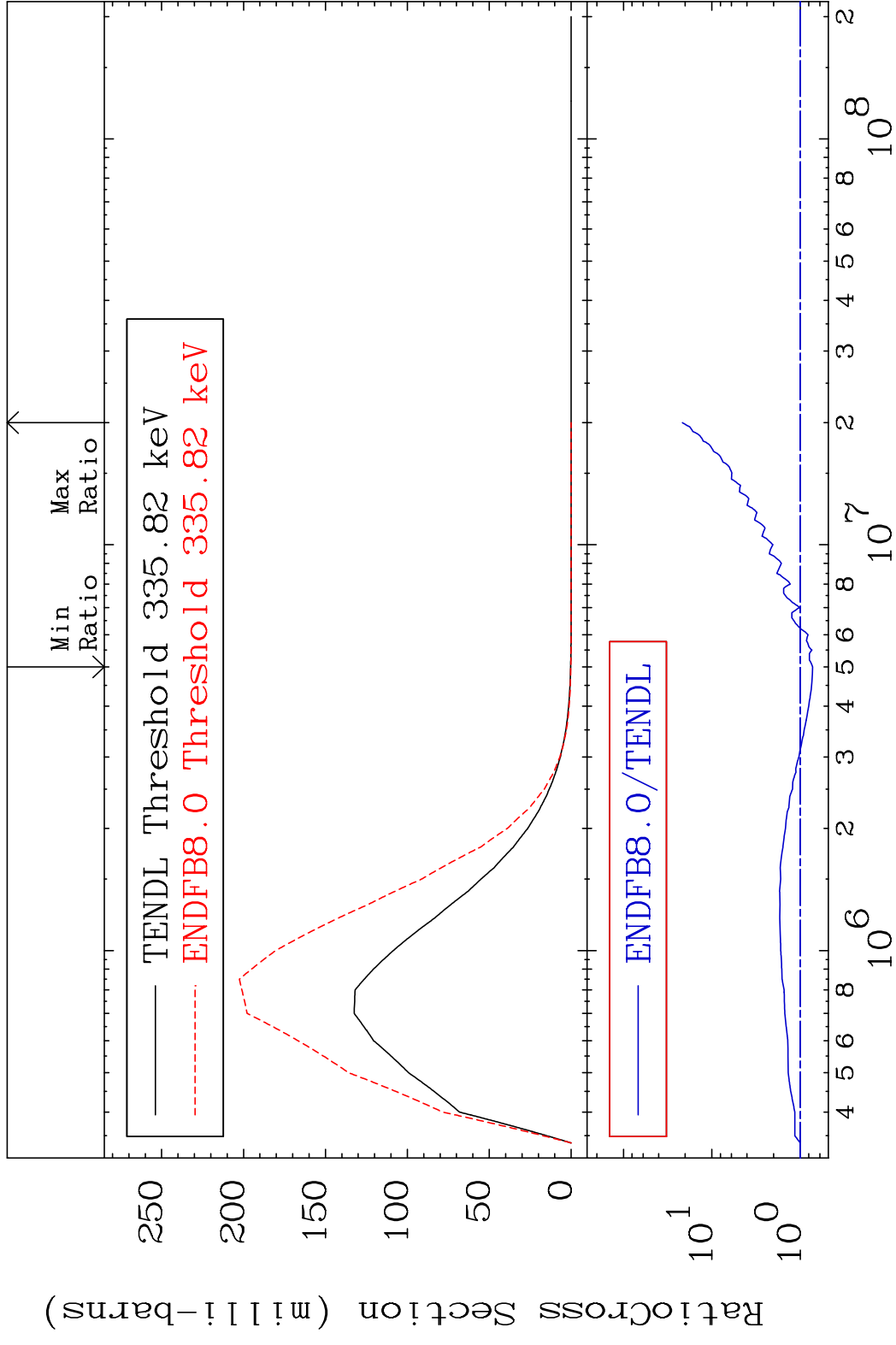
MAT 7440 MT= 57 (n, n') Level 74-W -185
 Cross Section -27.62 To 2055. %



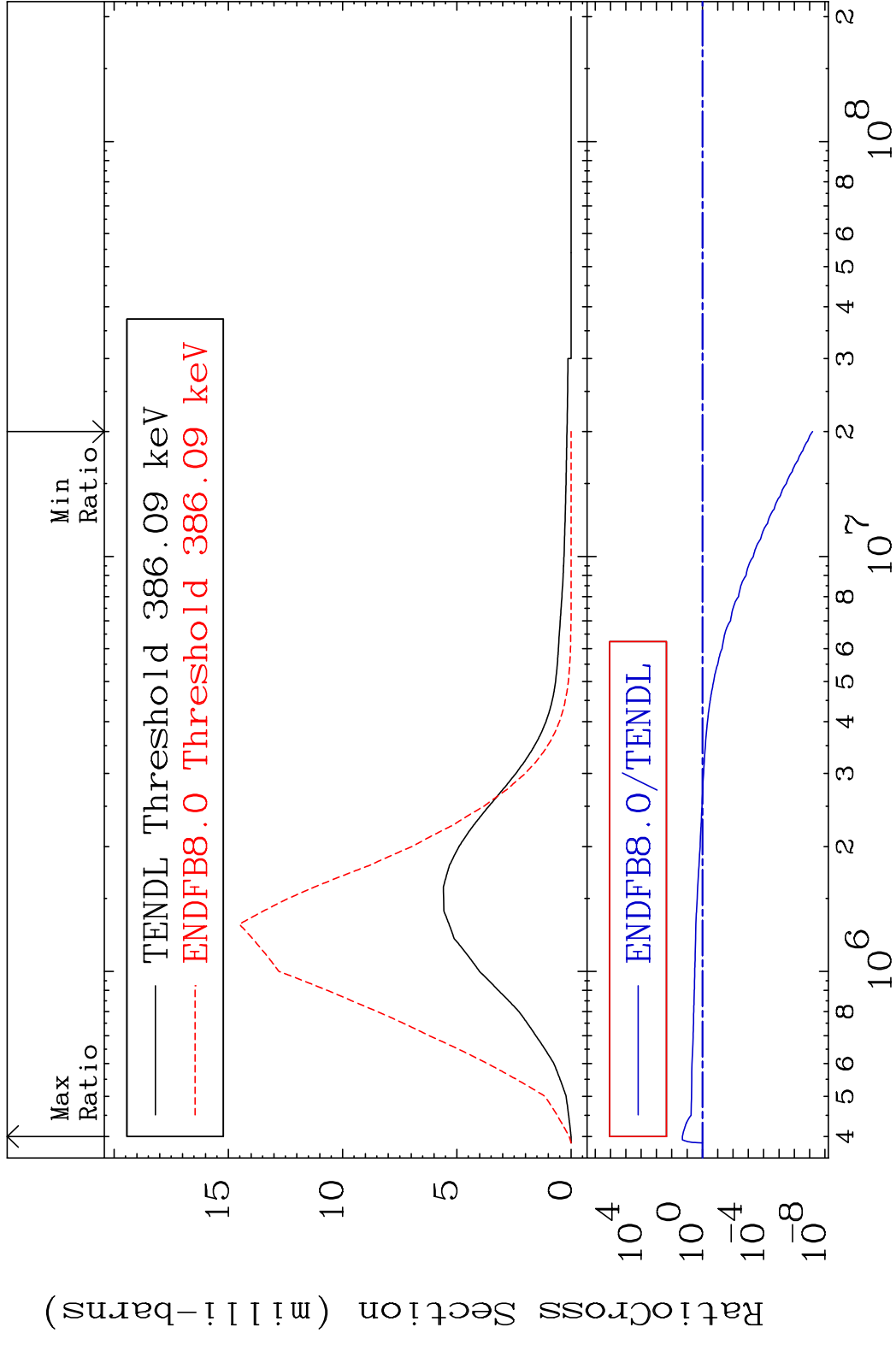
MAT 7440 MT= 58 (n,n') Level 74-W -185
 Cross Section 0.000 To 9999. %



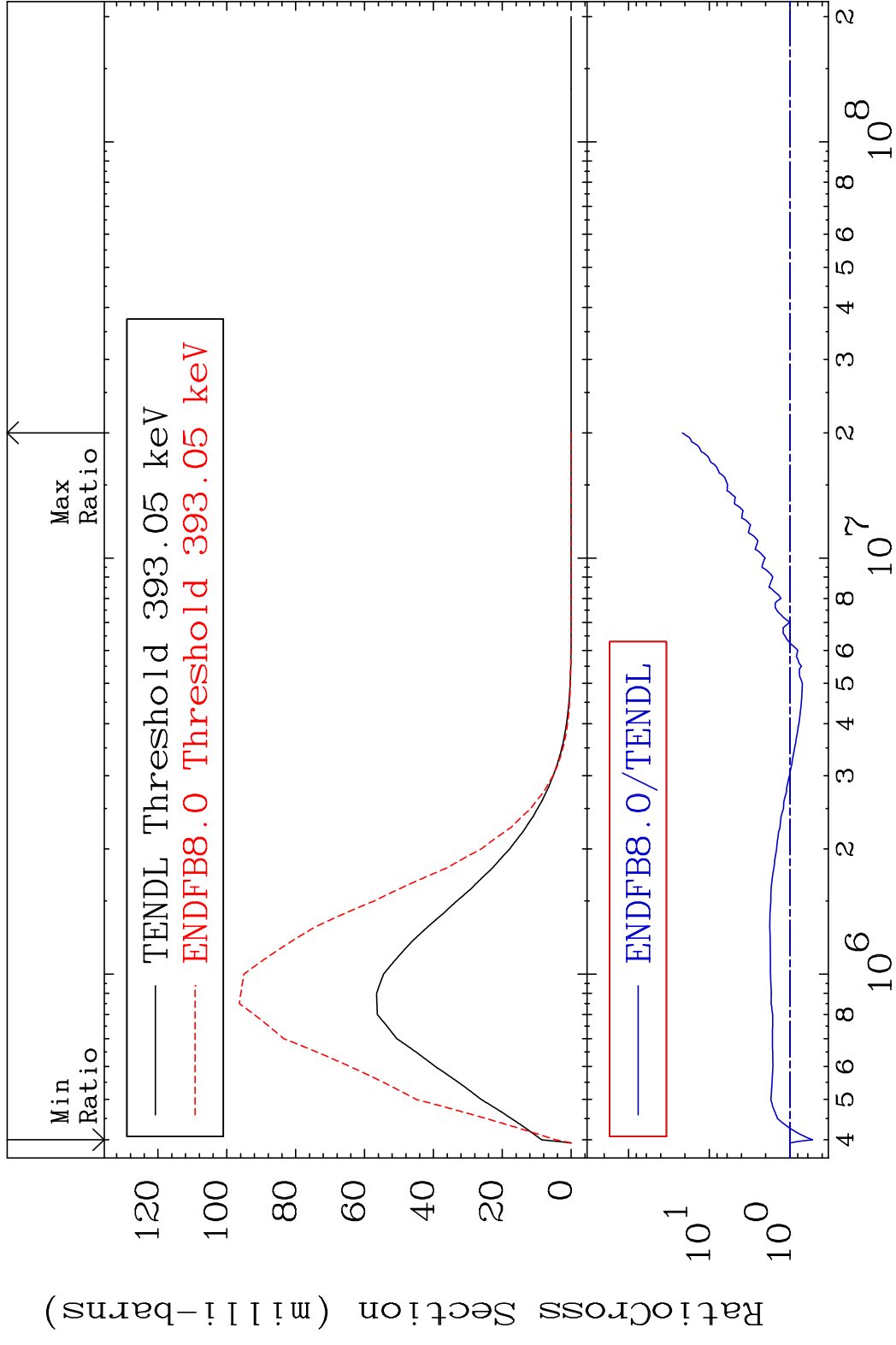
MAT 7440 MT= 59 (n, n') Level 74-W -185
 Cross Section -27.50 To 2055. %



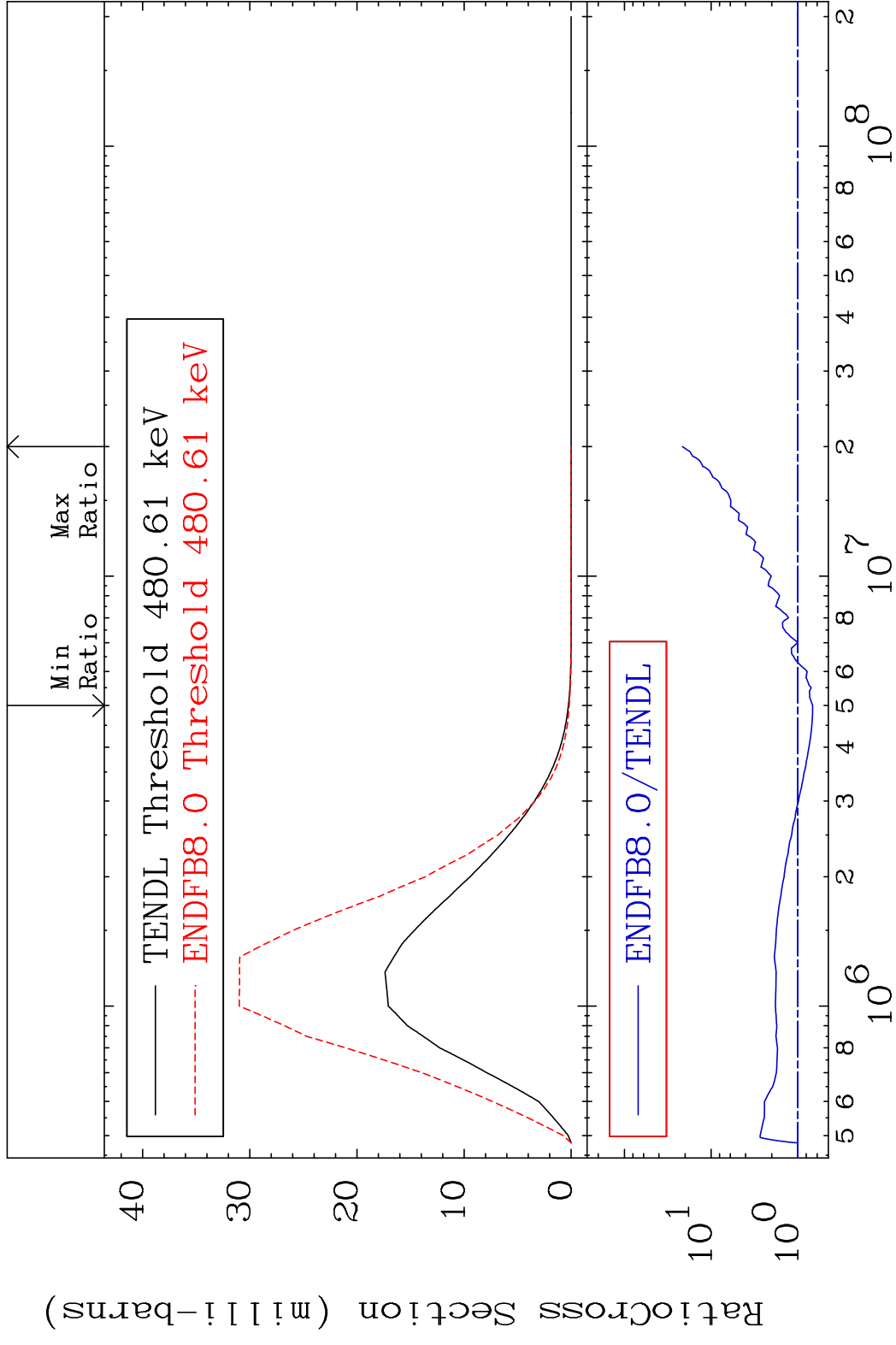
MAT 7440 MT= 60 (n, n') Level 74-W -185
 Cross Section -100.0 To 1934. %



MAT 7440 MT= 61 (n, n') Level 74-W -185
 Cross Section -47.51 To 2053. %

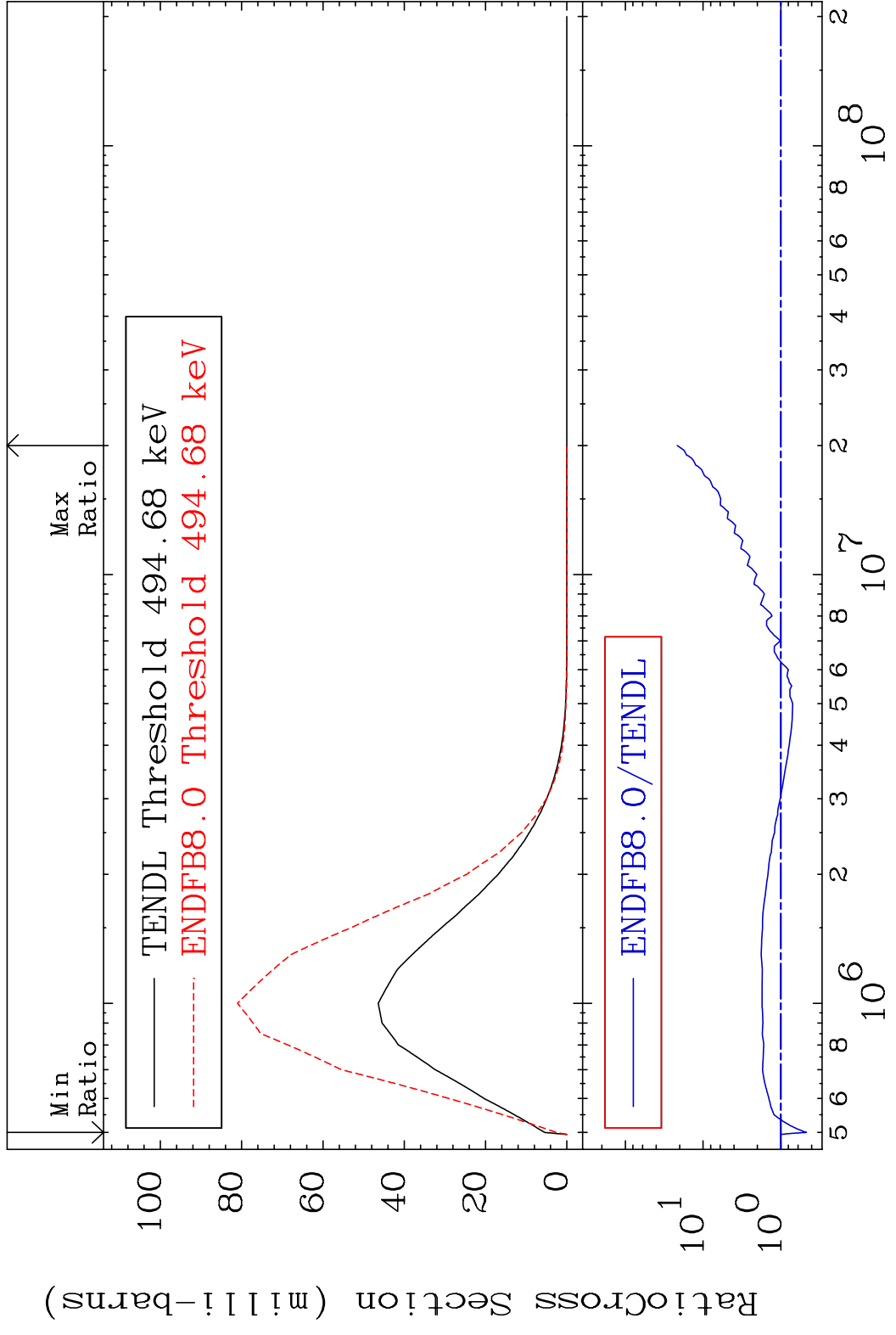


MAT 7440 MT= 62 (n, n') Level 74-W -185
 Cross Section -32.29 To 2049. %

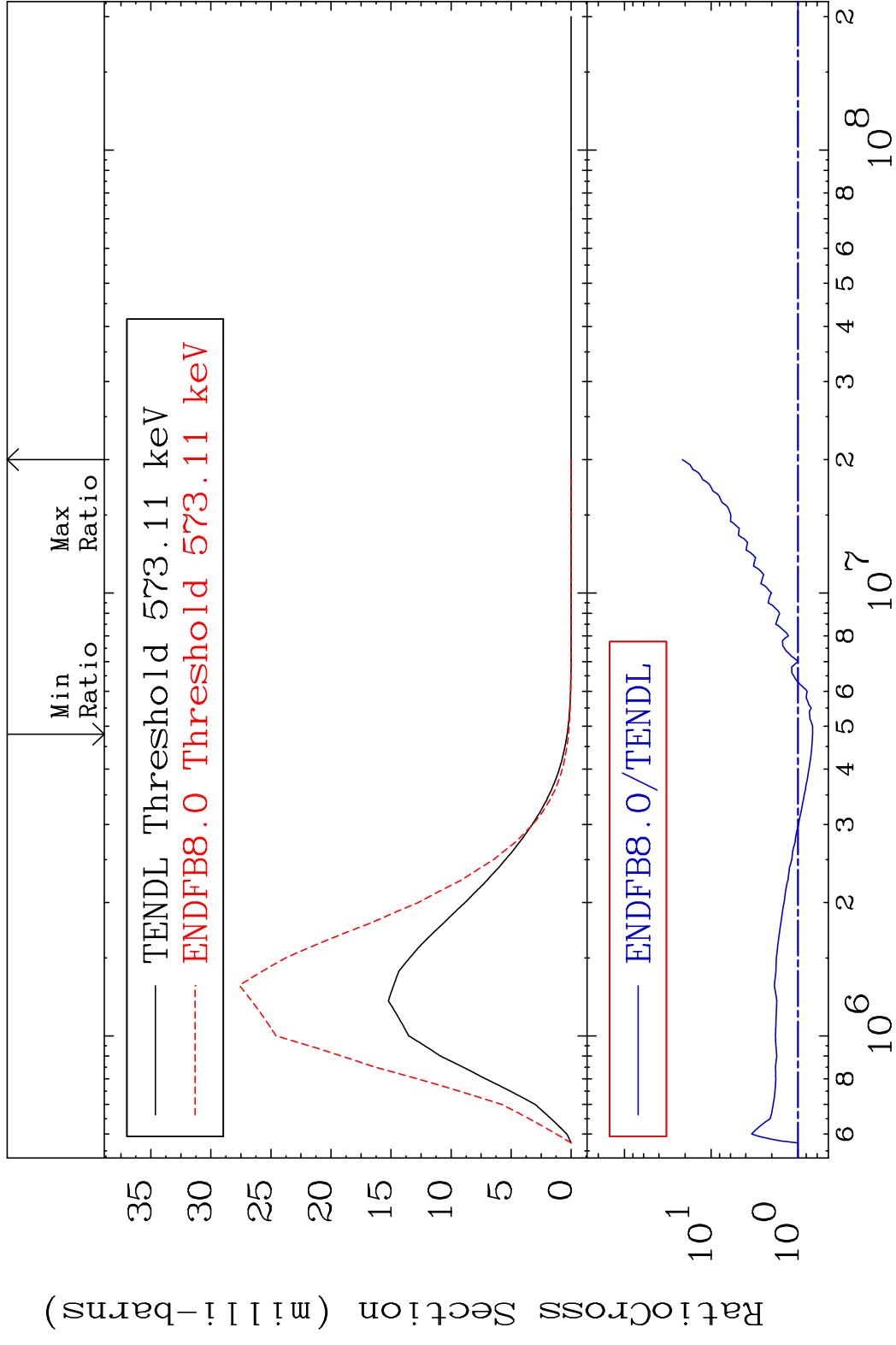


16 Incident Energy (eV) 74-W -185

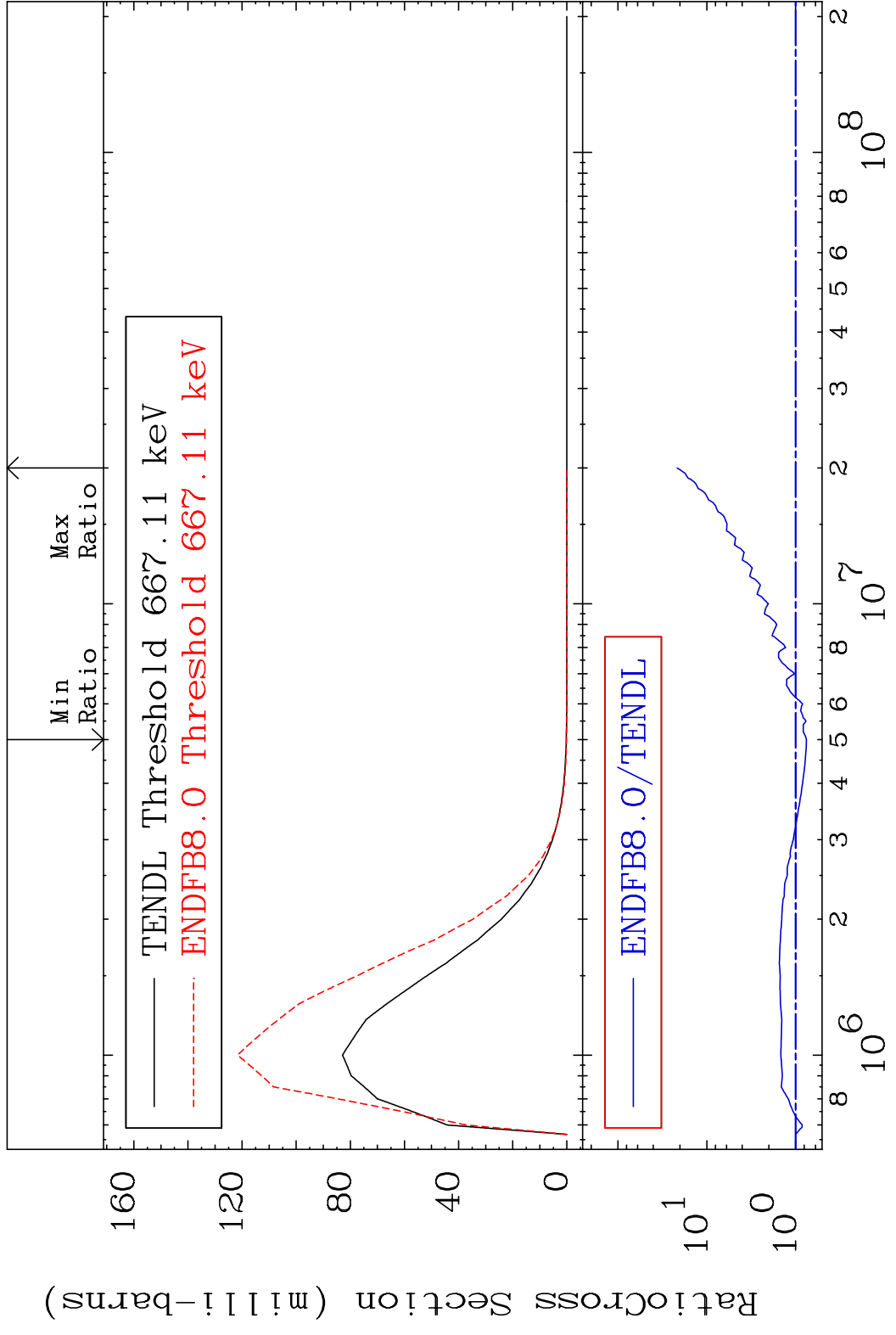
MAT 7440 MT= 63 (n, n') Level 74-W -185
 Cross Section -53.16 To 2053. %



MAT 7440 MT= 64 (n, n') Level 74-W -185
 Cross Section -32.22 To 2049. %

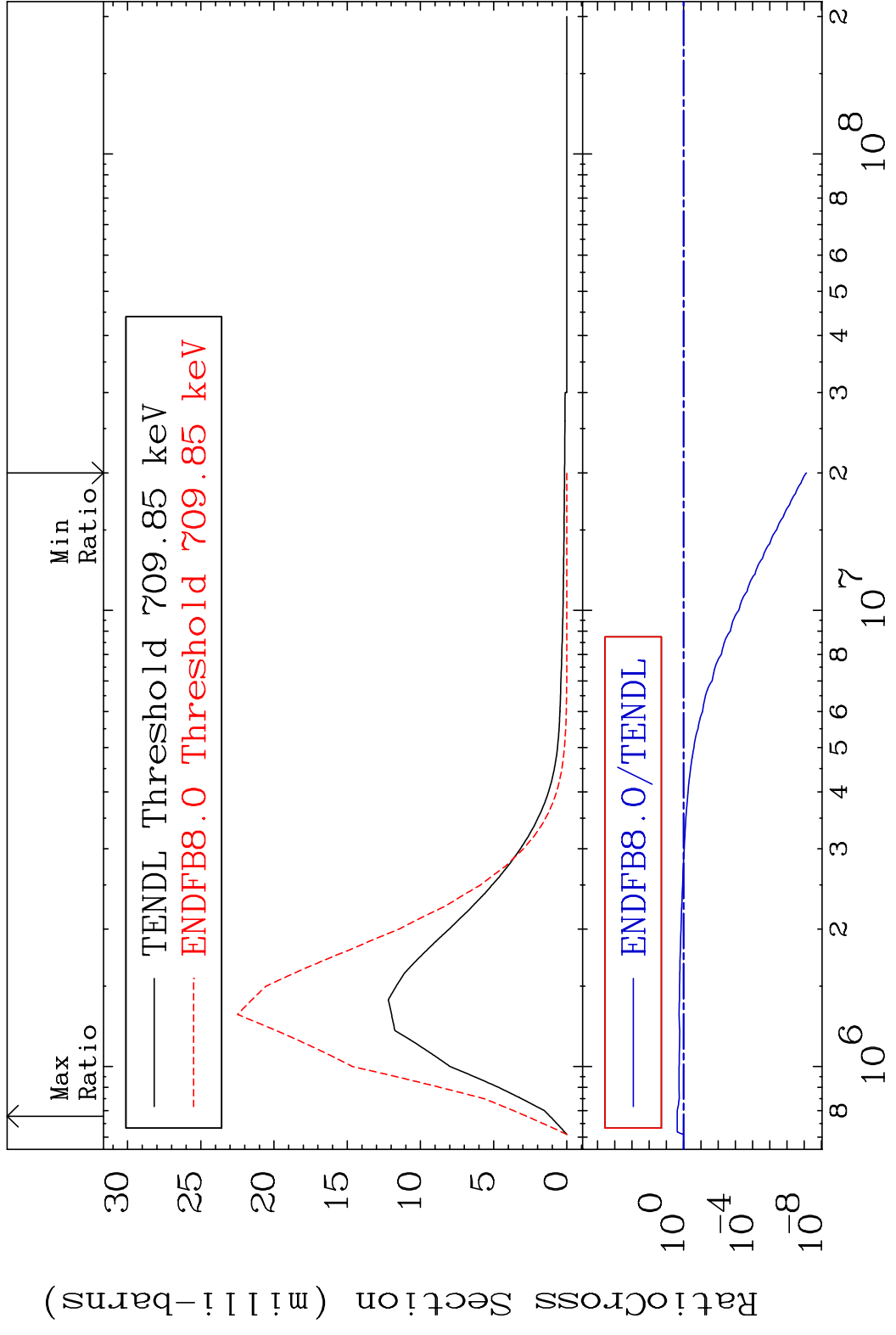


MAT 7440 MT= 65 (n, n') Level 74-W -185
 Cross Section -24.24 To 2054. %



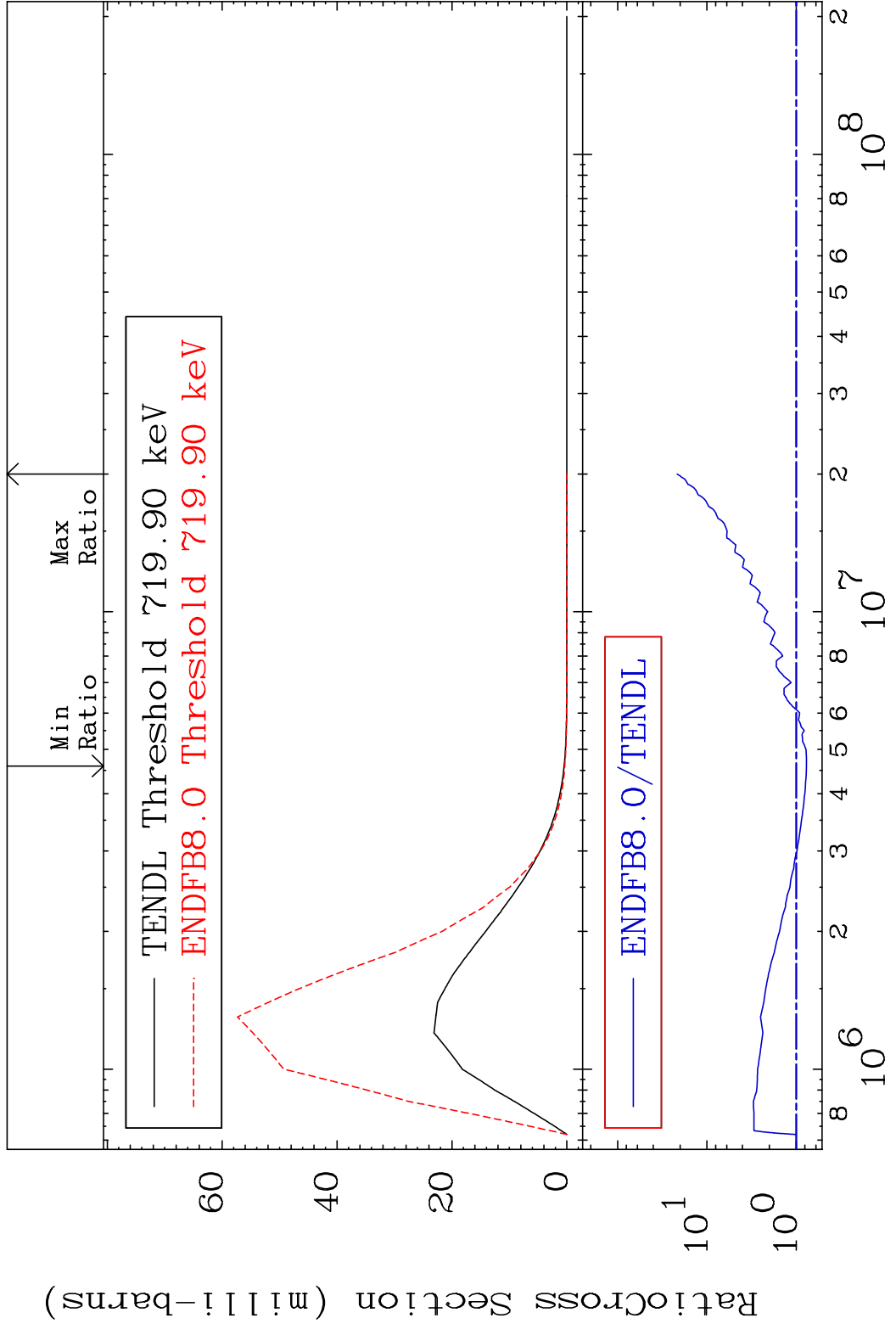
19 Incident Energy (eV) 74-W -185

MAT 7440 MT= 66 (n, n') Level 74-W -185
 Cross Section -100.0 To 137.7 %

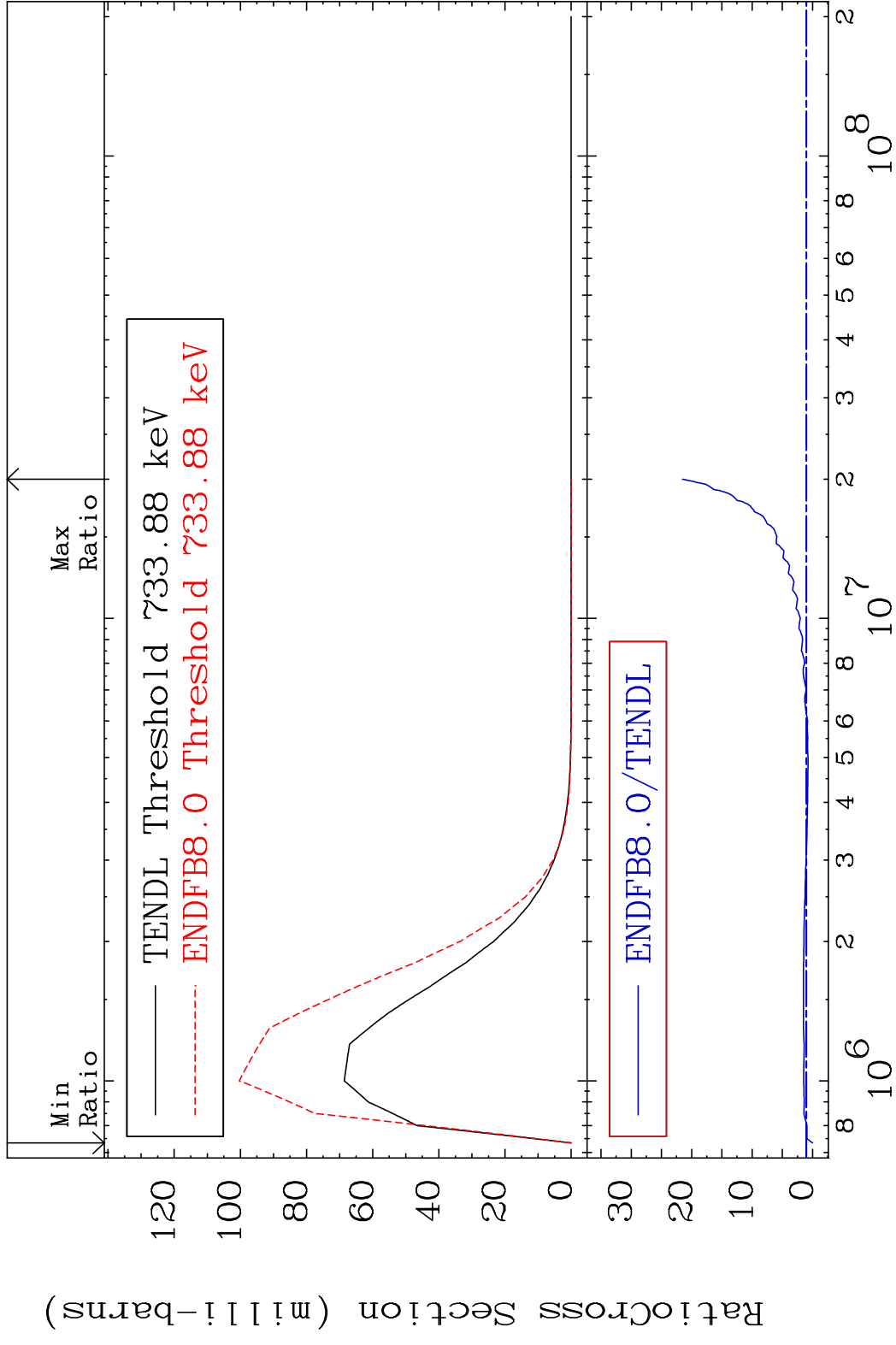


20 Incident Energy (eV) 74-W -185

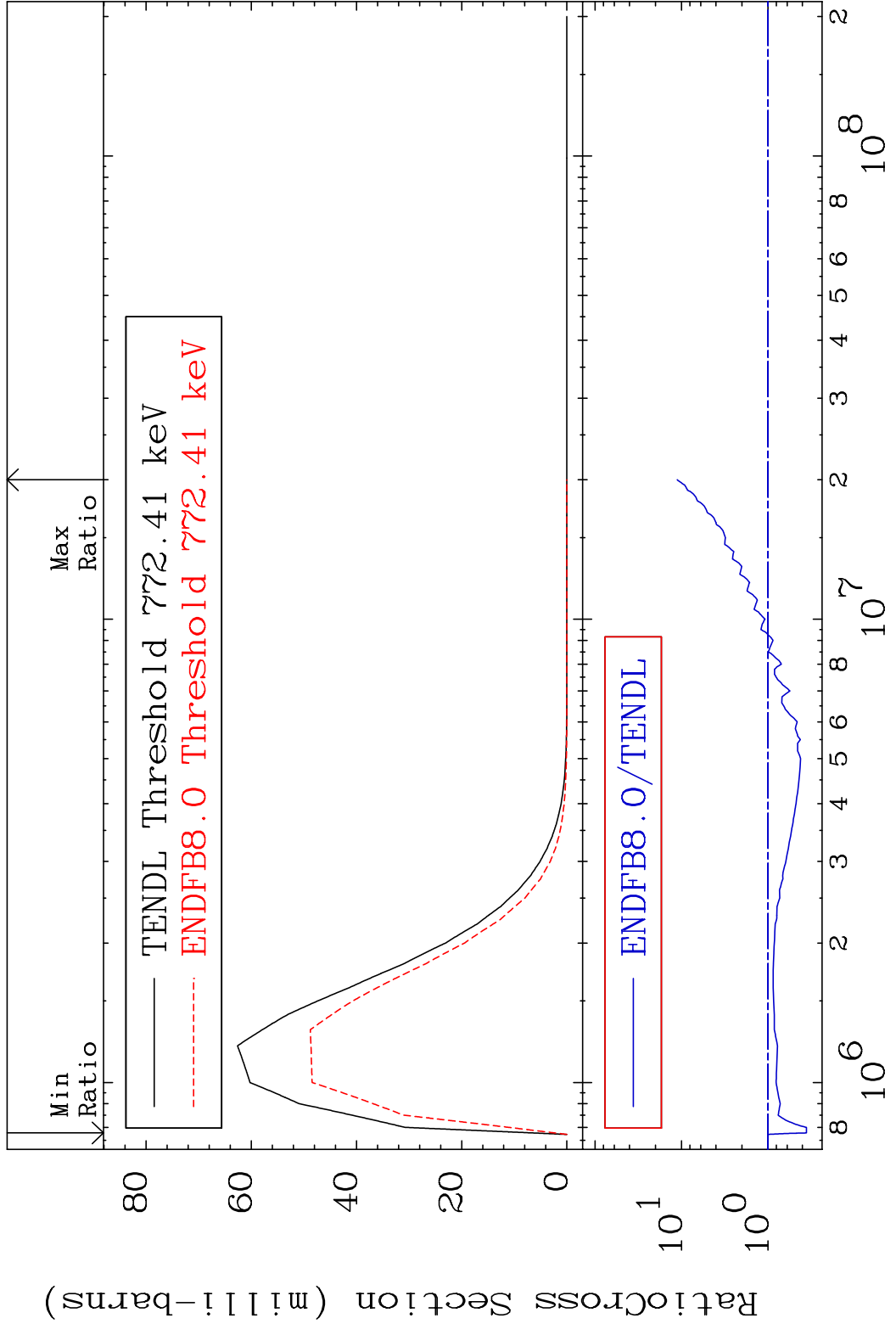
MAT 7440 MT= 67 (n, n') Level 74-W -185
 Cross Section -23.02 To 2053. %



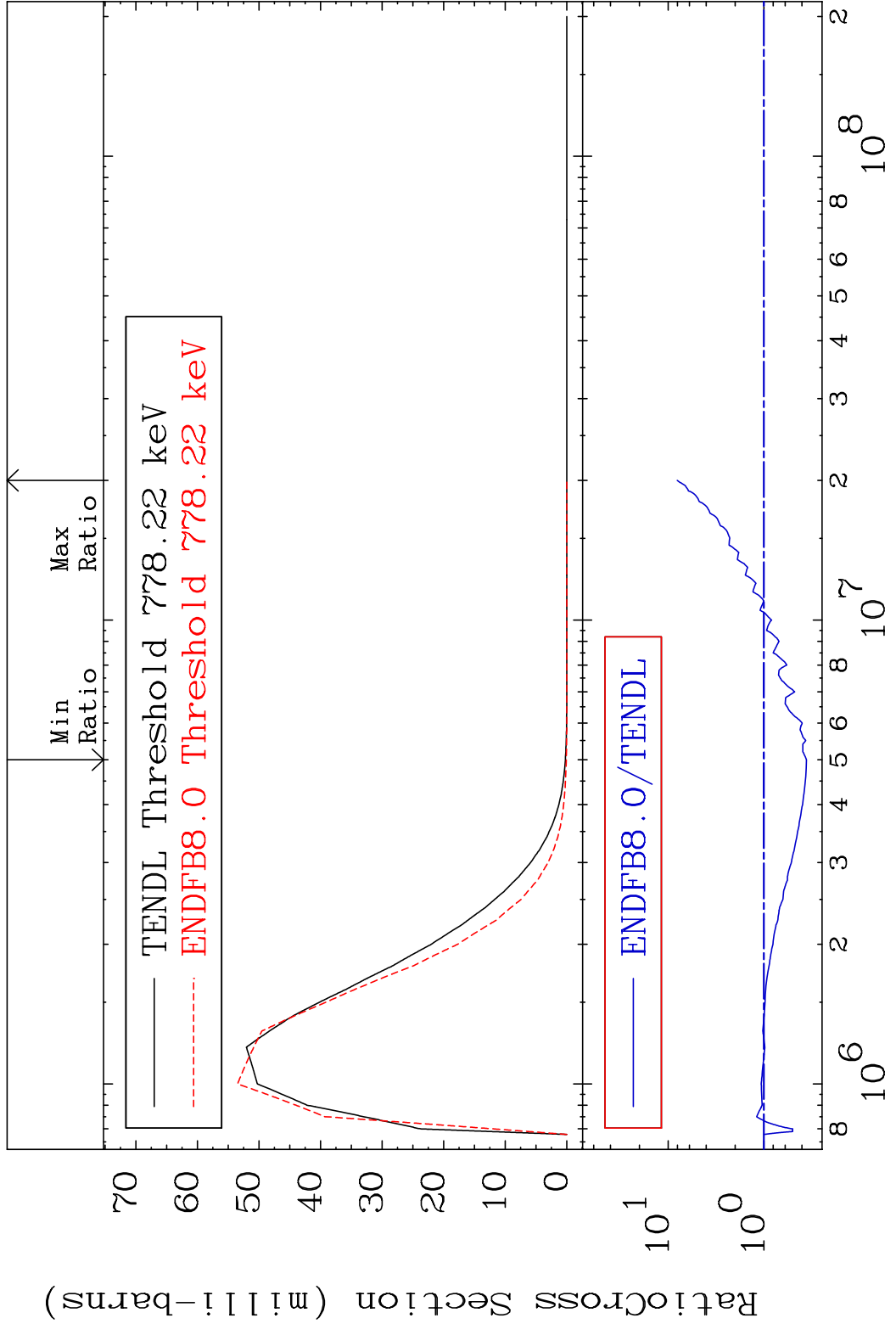
MAT 7440 MT= 68 (n, n') Level 74-W -185
 Cross Section -100.0 To 2054. %



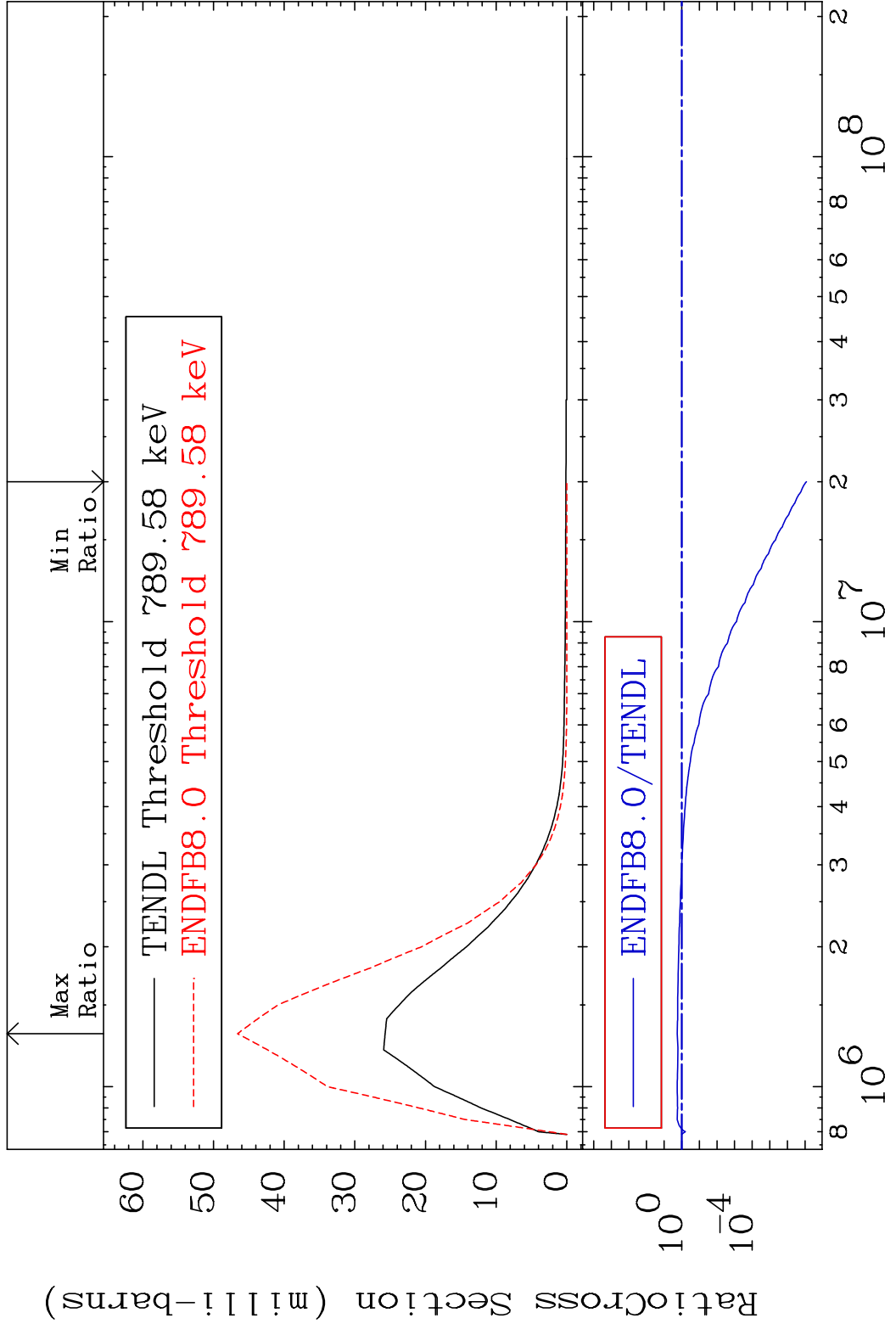
MAT 7440 MT= 69 (n, n') Level 74-W -185
 Cross Section -64.11 To 1023. %



MAT 7440 MT= 70 (n, n') Level 74-W -185
 Cross Section -64.05 To 704.4 %

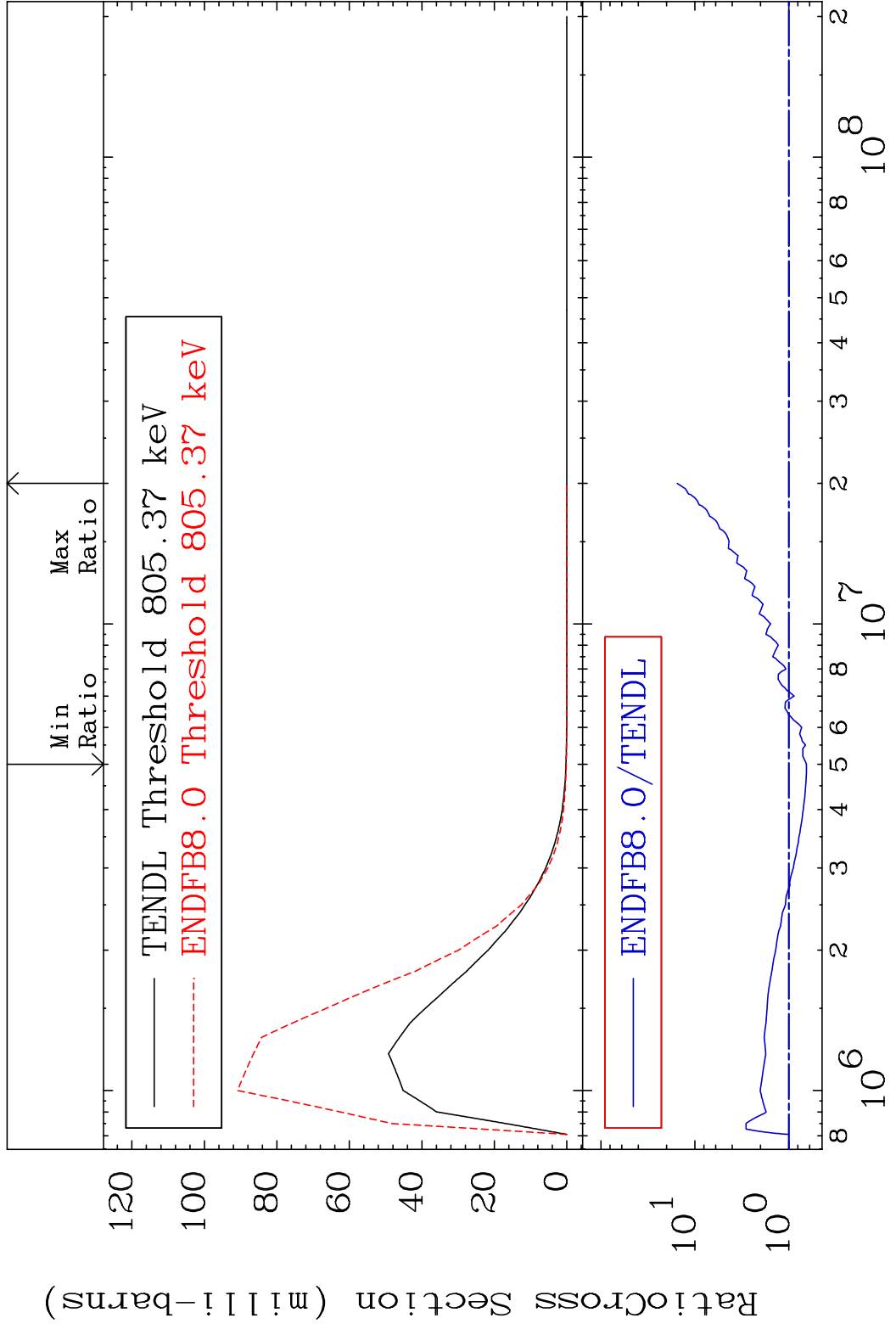


MAT 7440 MT= 71 (n, n') Level 74-W -185
 Cross Section -100.0 To 81.24 %

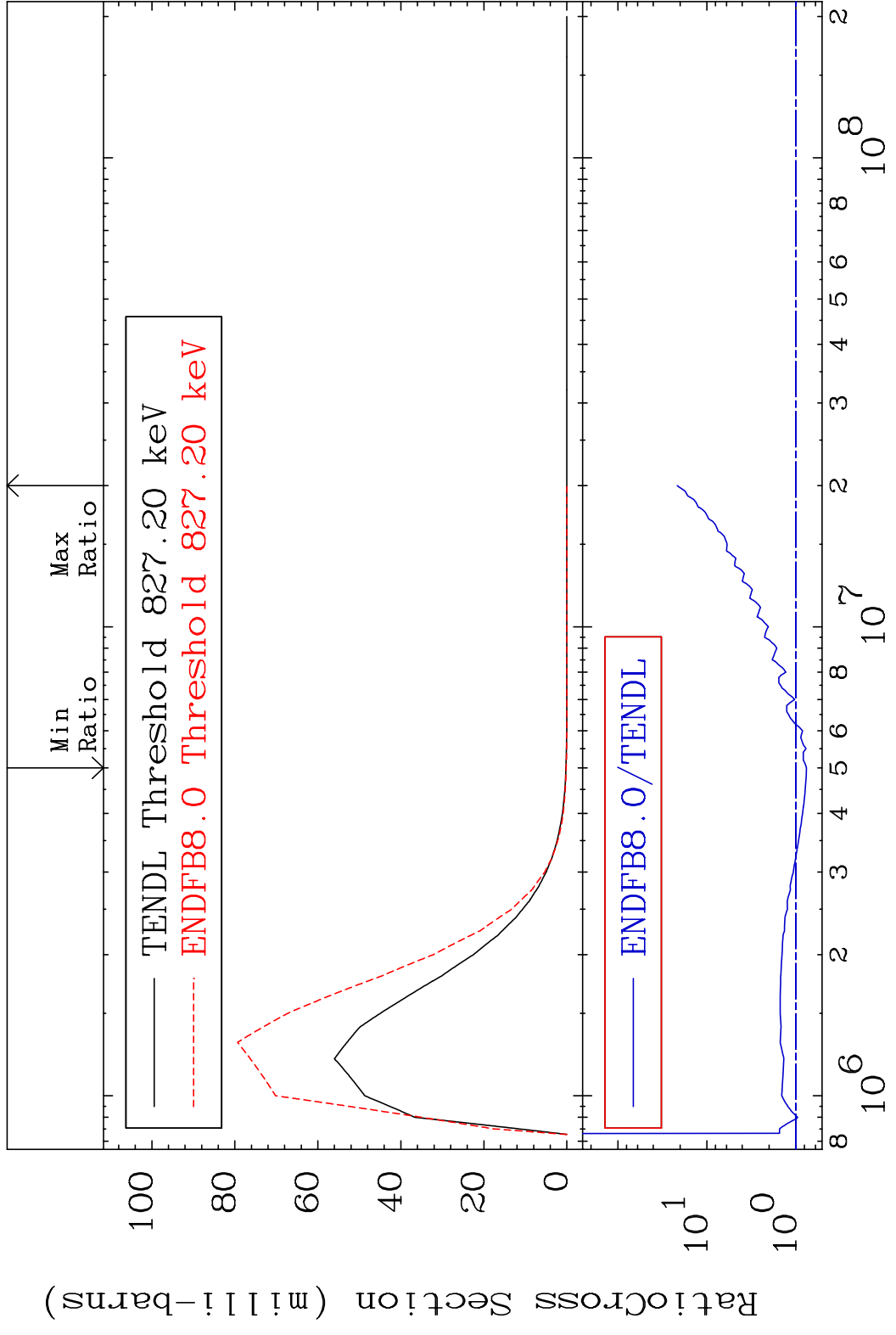


25 Incident Energy (eV) 74-W -185

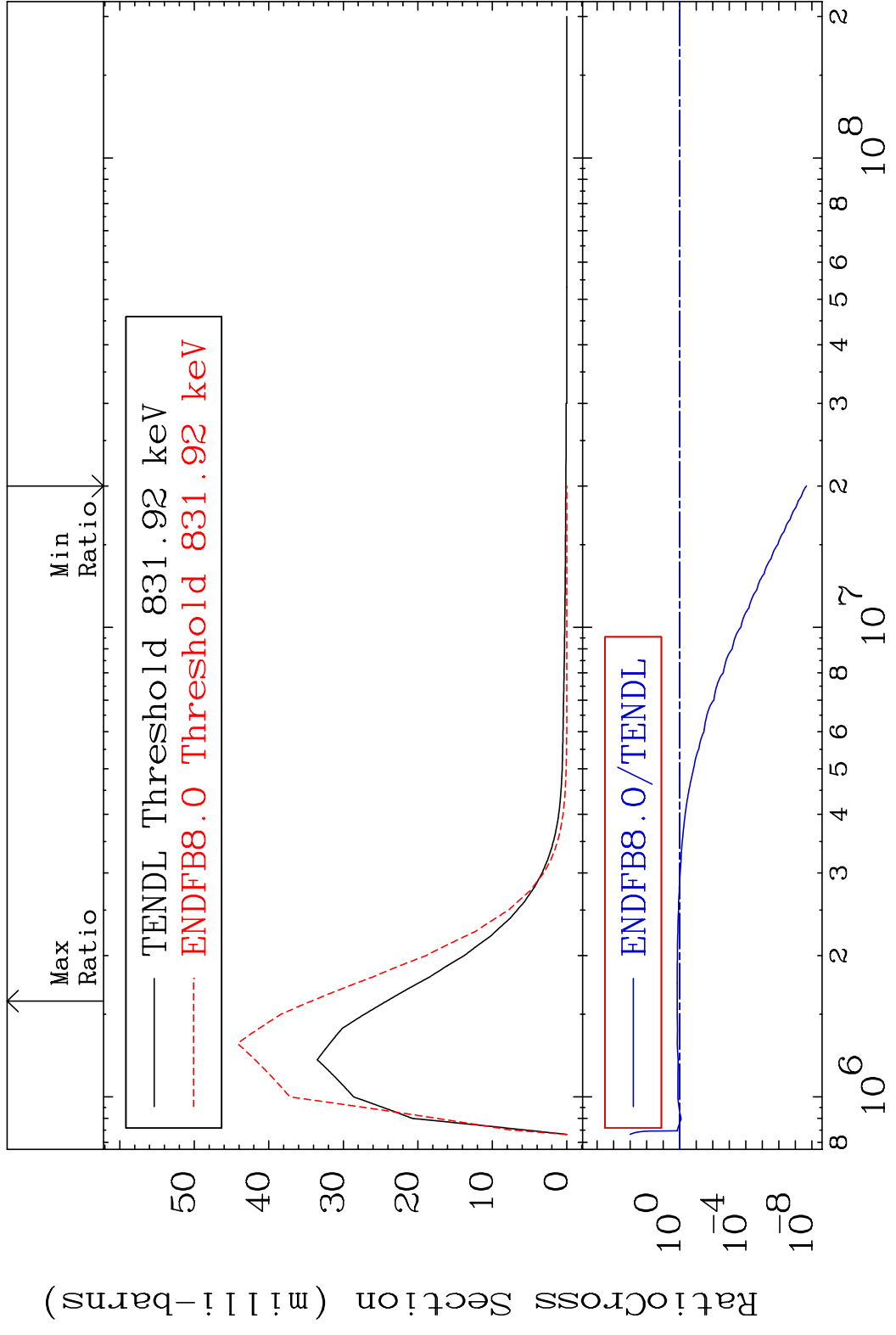
MAT 7440 MT= 72 (n, n') Level 74-W -185
 Cross Section -35.18 To 1442. %



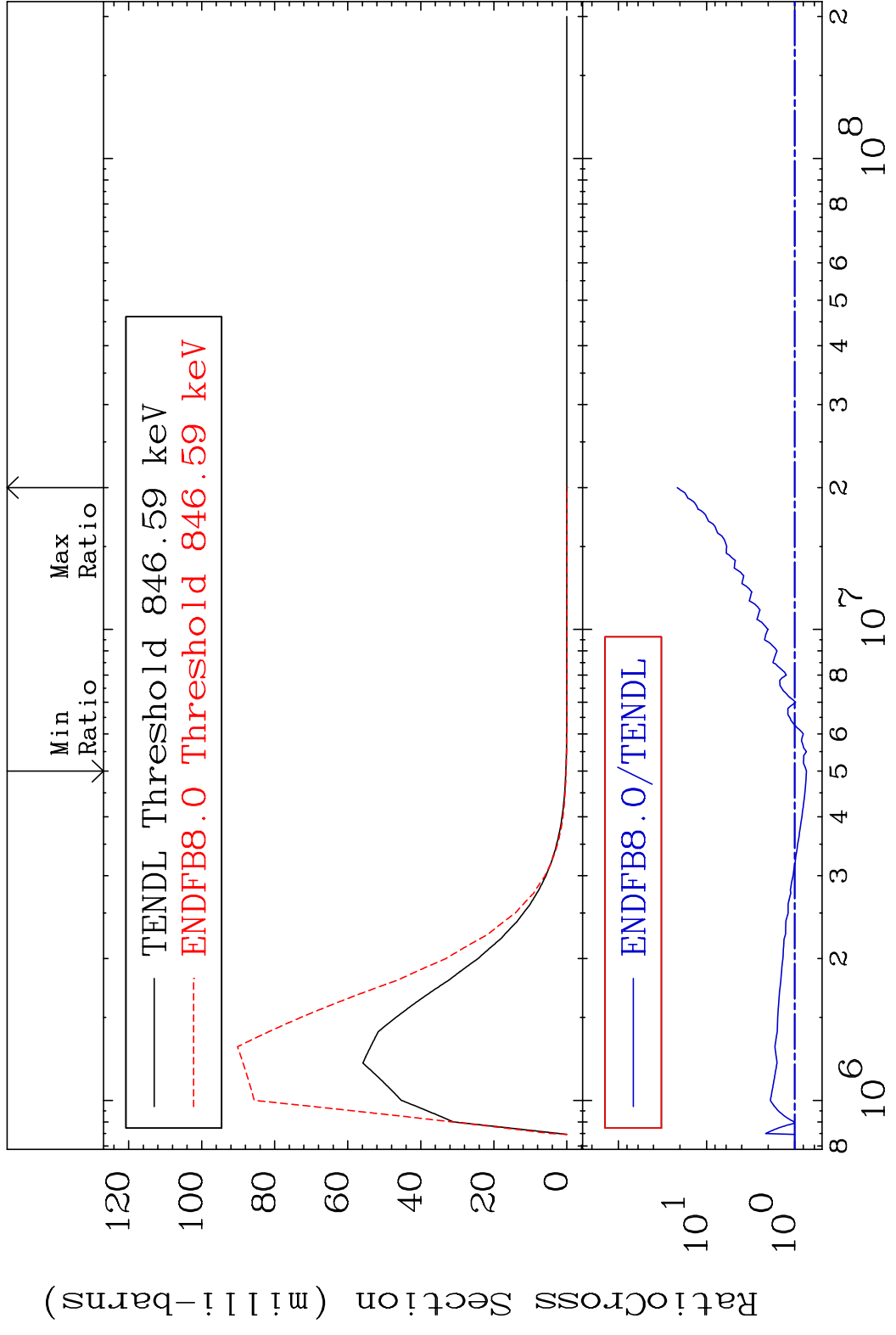
MAT 7440 MT= 73 (n, n') Level 74-W -185
 Cross Section -23.90 To 2054. %



MAT 7440 MT= 74 (n, n') Level 74-W -185
 Cross Section -100.0 To 41.81 %

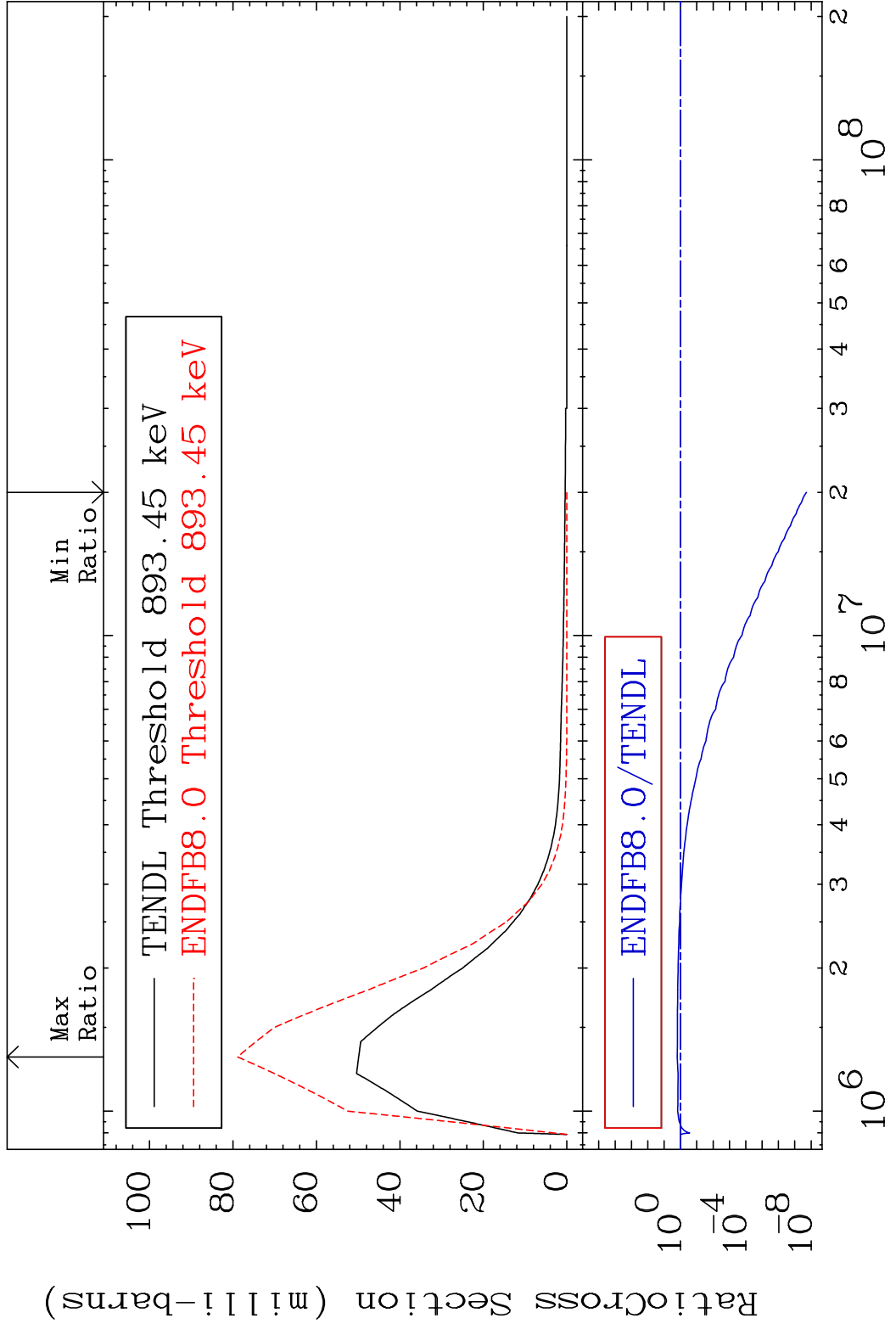


MAT 7440 MT= 75 (n, n') Level 74-W -185
 Cross Section -26.28 To 2054. %



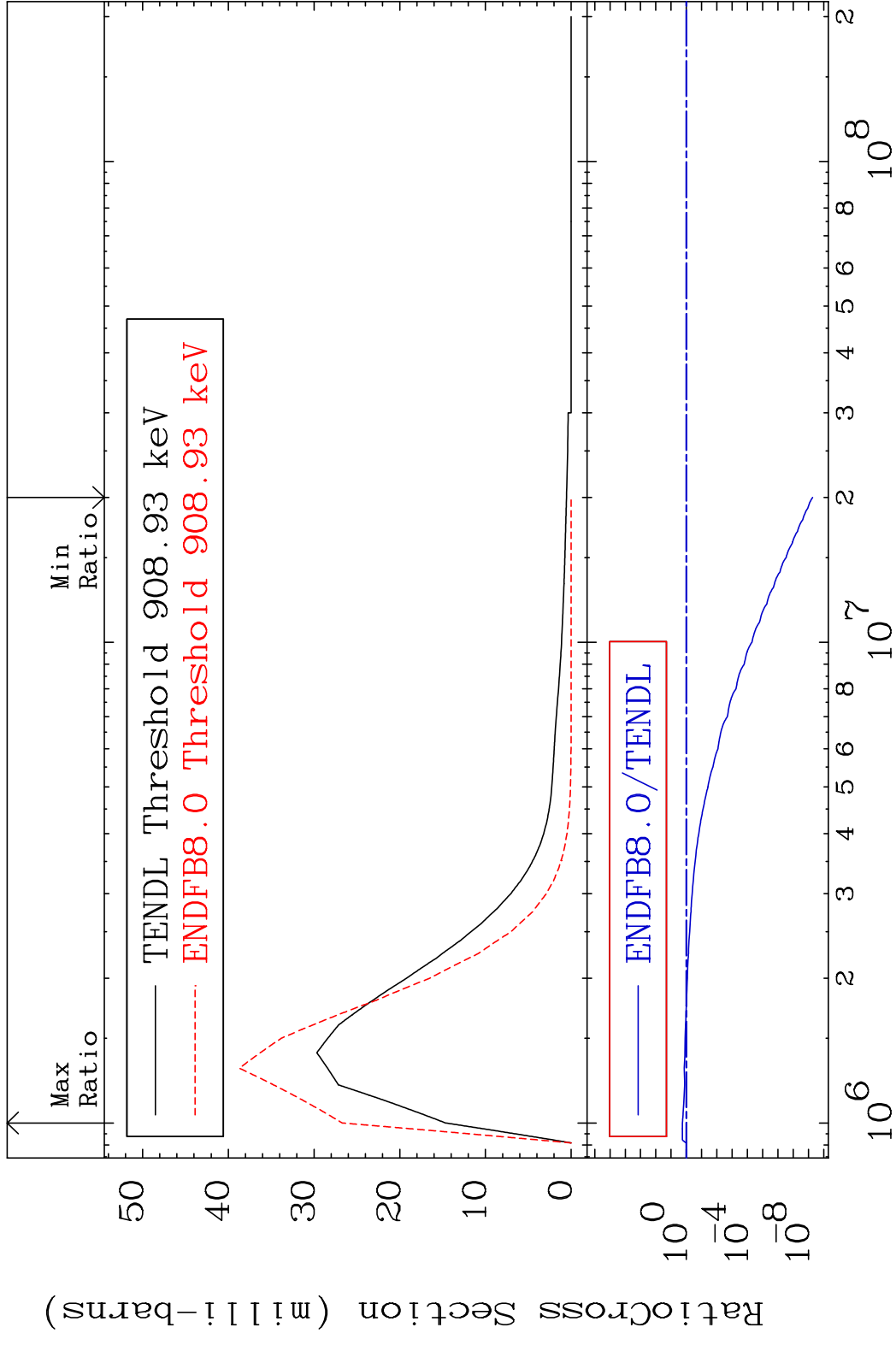
29 Incident Energy (eV) 74-W -185

MAT 7440 MT= 76 (n, n') Level 74-W -185
 Cross Section -100.0 To 58.20 %

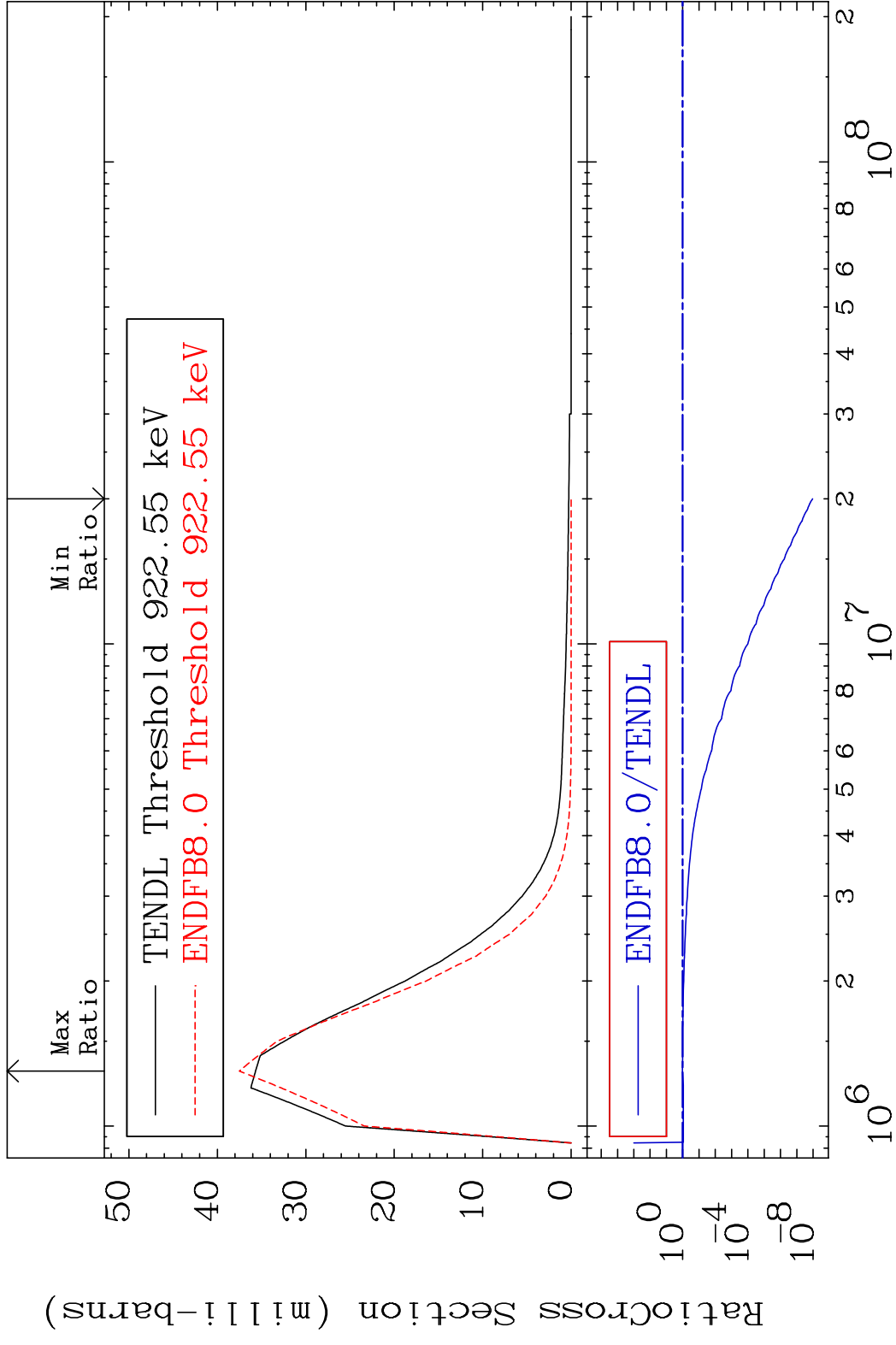


30 Incident Energy (eV) 74-W -185

MAT 7440 MT= 77 (n, n') Level 74-W -185
 Cross Section -100.0 To 82.30 %

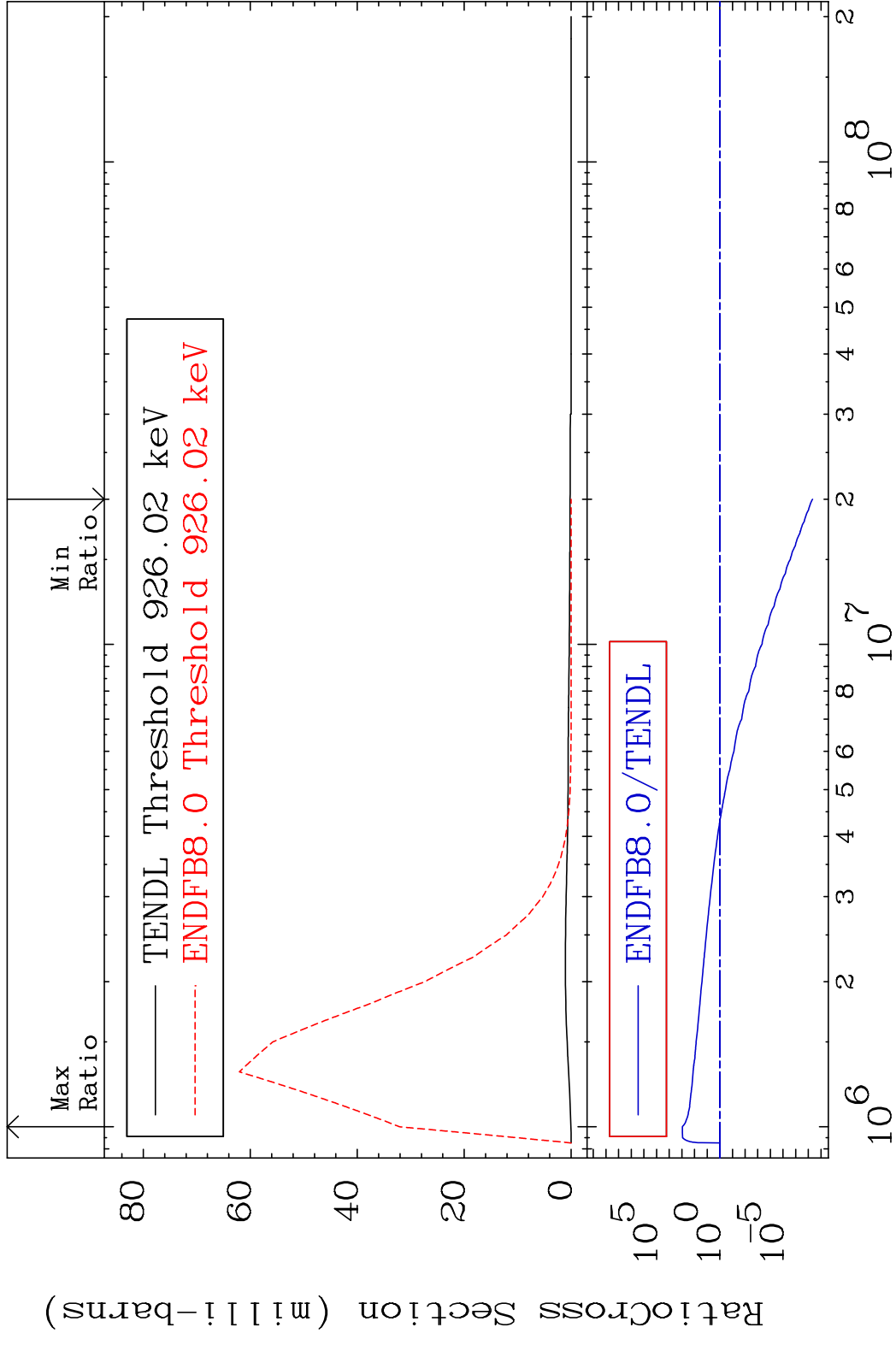


MAT 7440 MT= 78 (n, n') Level 74-W -185
 Cross Section -100.0 To 5.144 %



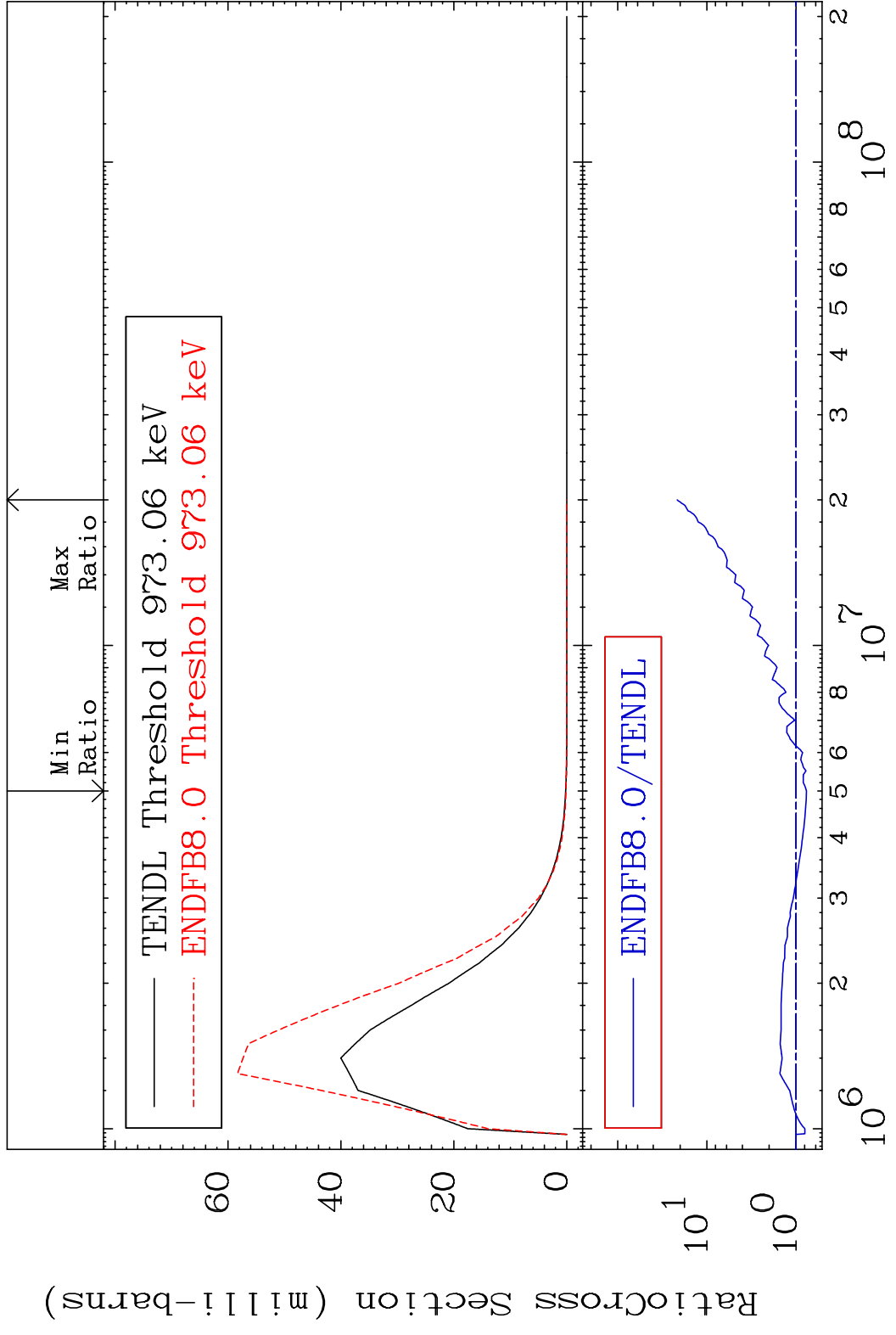
32 Incident Energy (eV) 74-W -185

MAT 7440 MT= 79 (n, n') Level 74-W -185
 Cross Section -100.0 To 9999. %



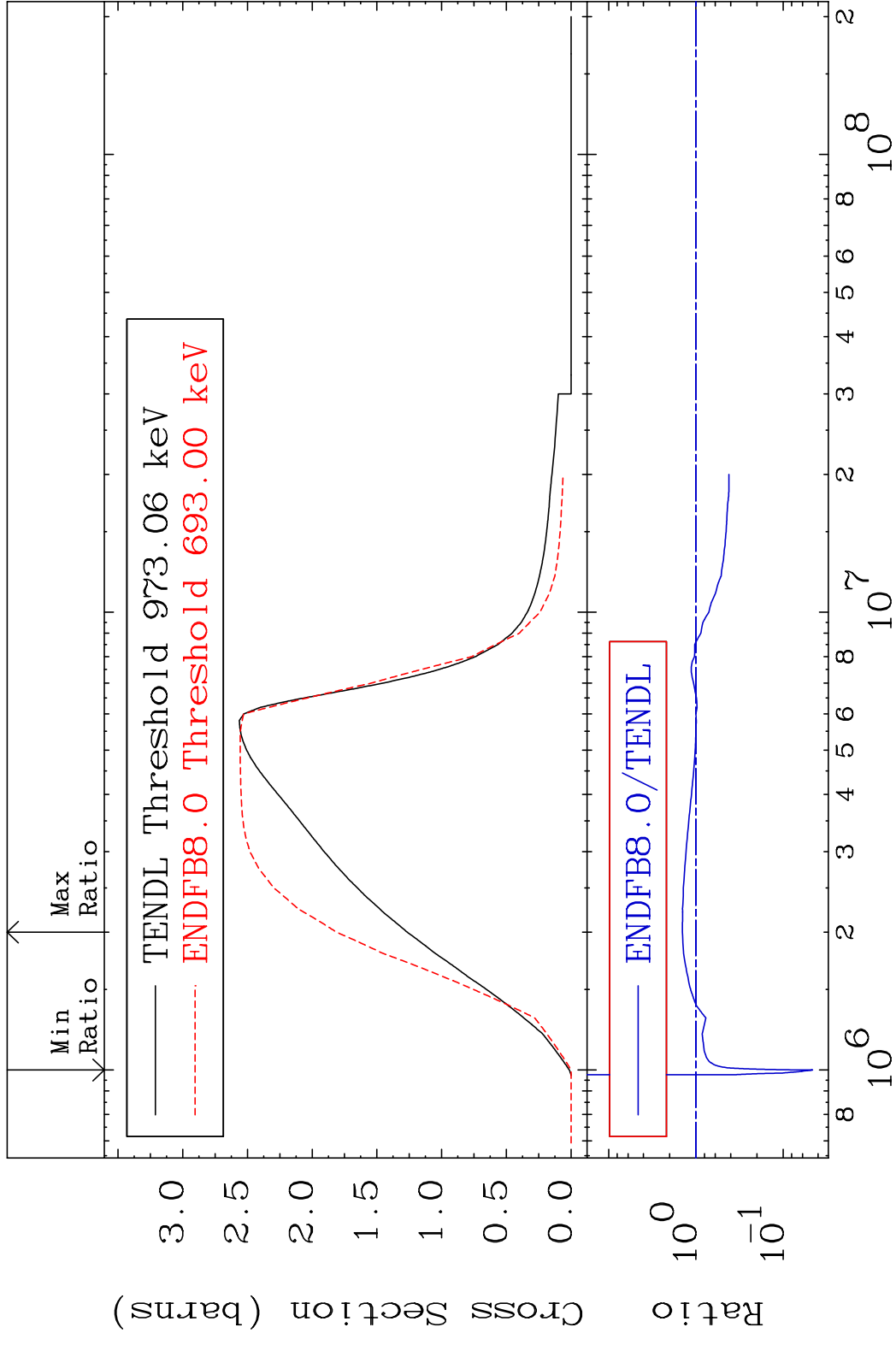
33 Incident Energy (eV) 74-W -185

MAT 7440 MT= 80 (n, n') Level 74-W -185
 Cross Section -23.58 To 2054. %



34 Incident Energy (eV) 74-W -185

MAT 7440 (n,n') Continuum 74-W -185
 Cross Section -95.38 To 43.09 %

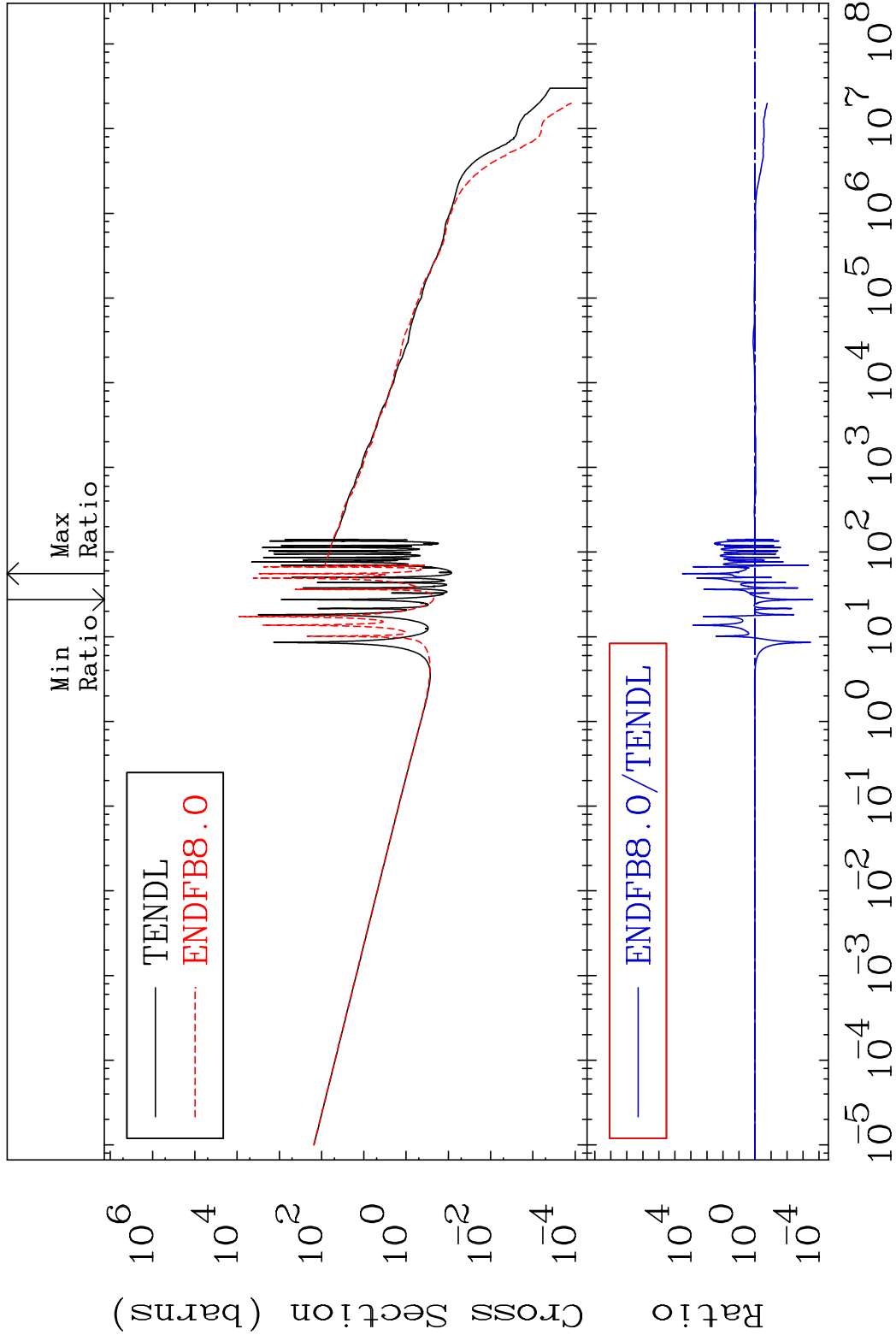


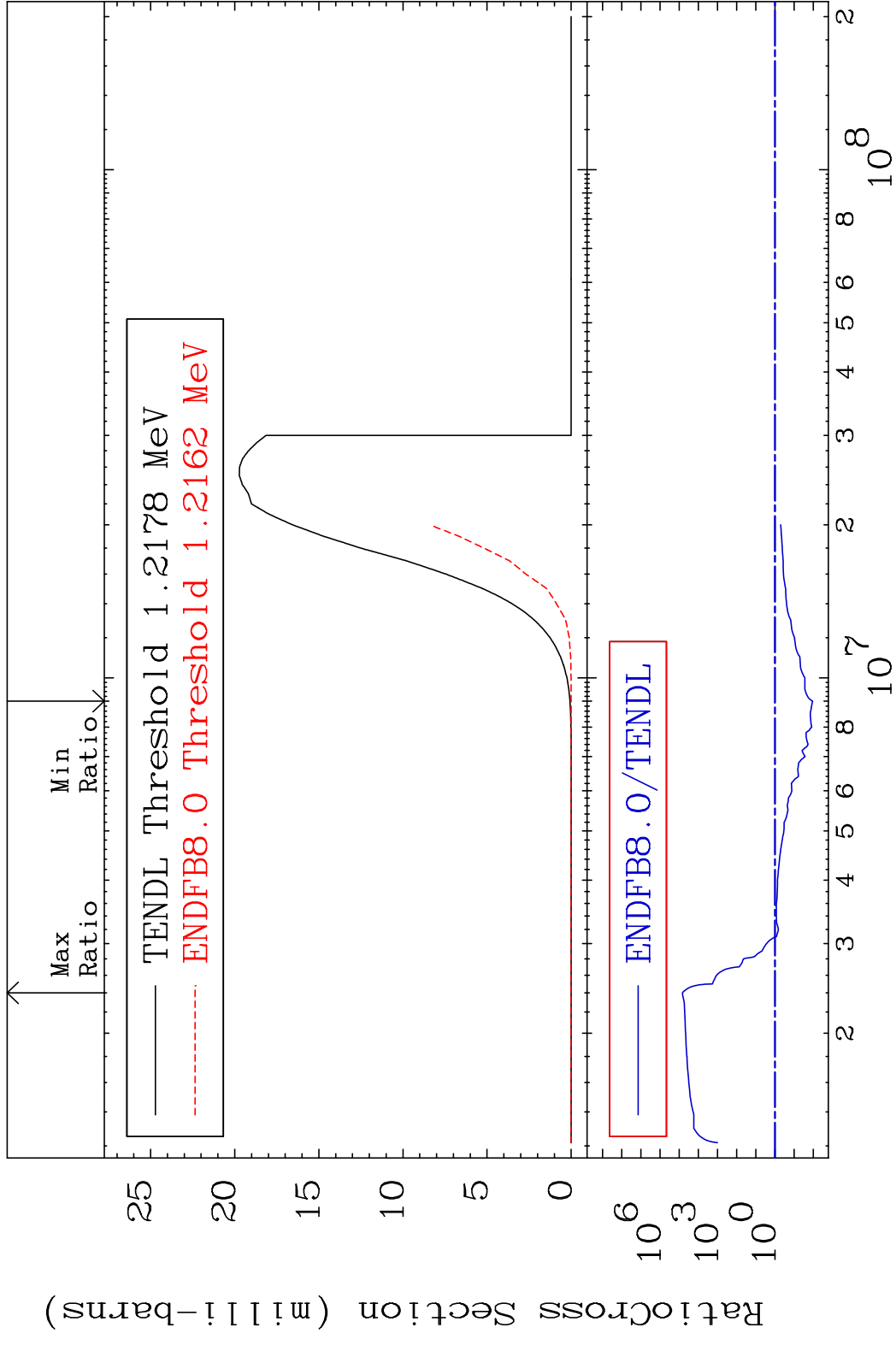
MAT 7440

(n, γ)

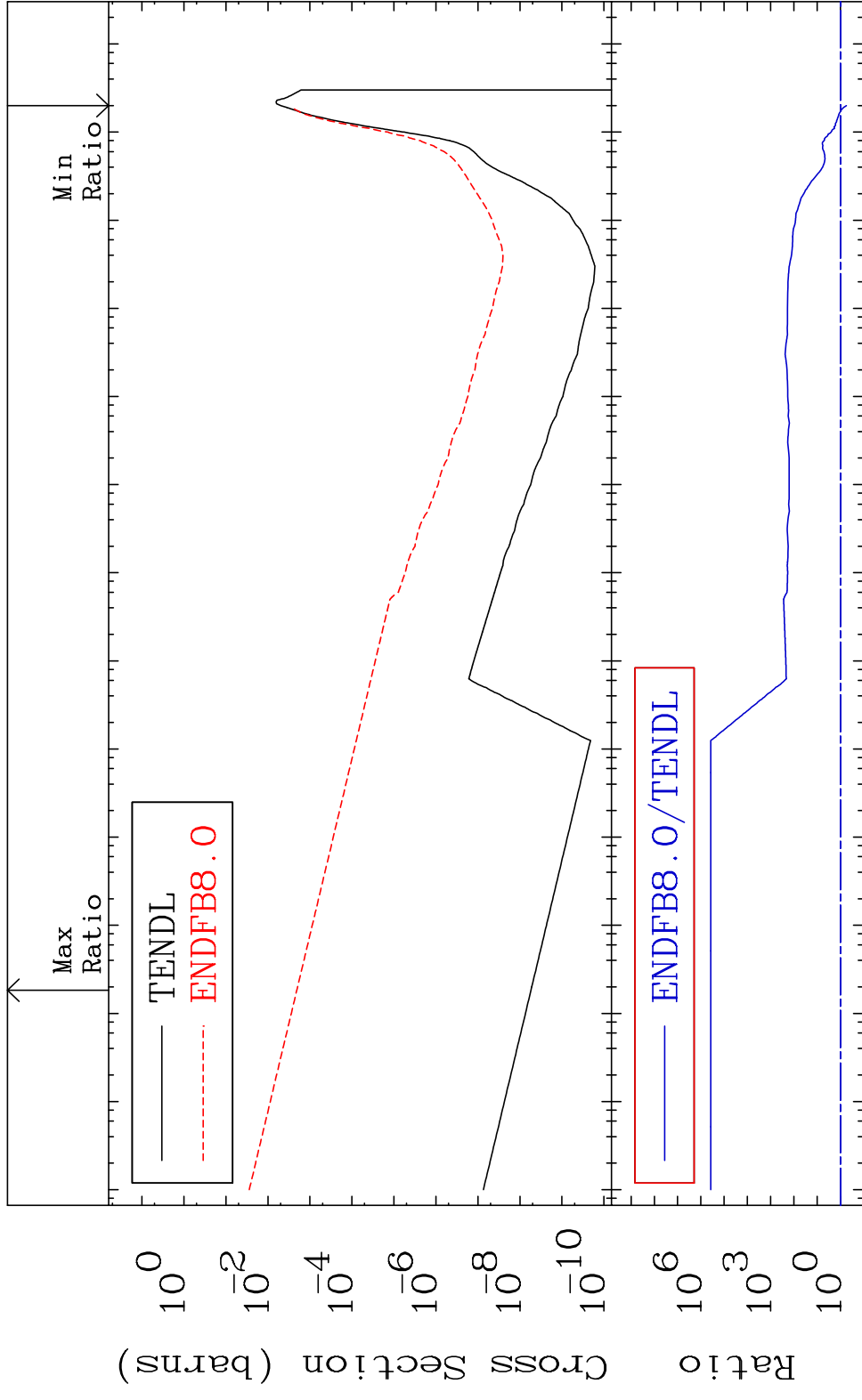
74-W -185

Cross Section -99.97 To 9999. %



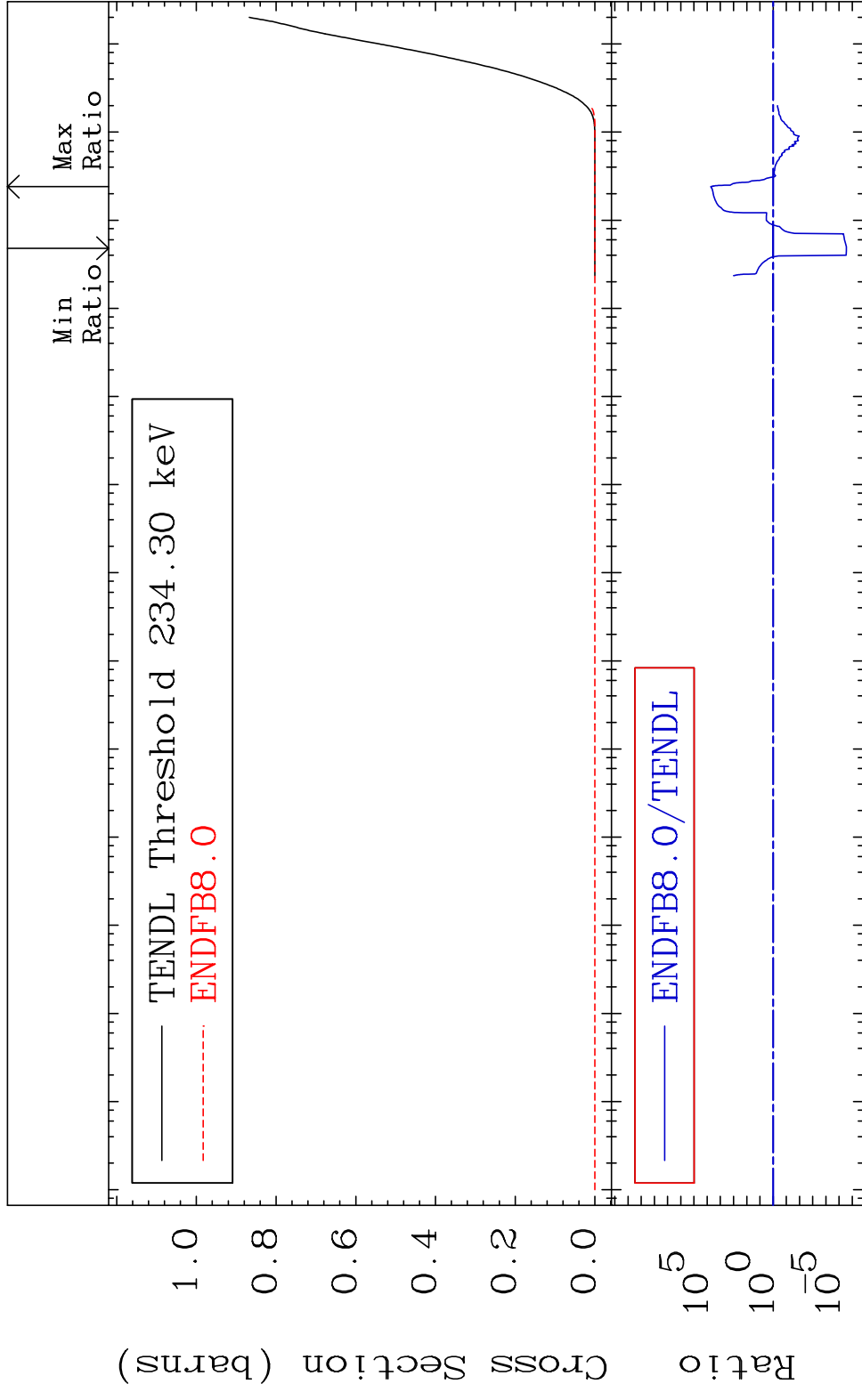


MAT 7440 (n, α) 74-W -185
 Cross Section -44.77 To 9999. %



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

Incident Energy (eV)

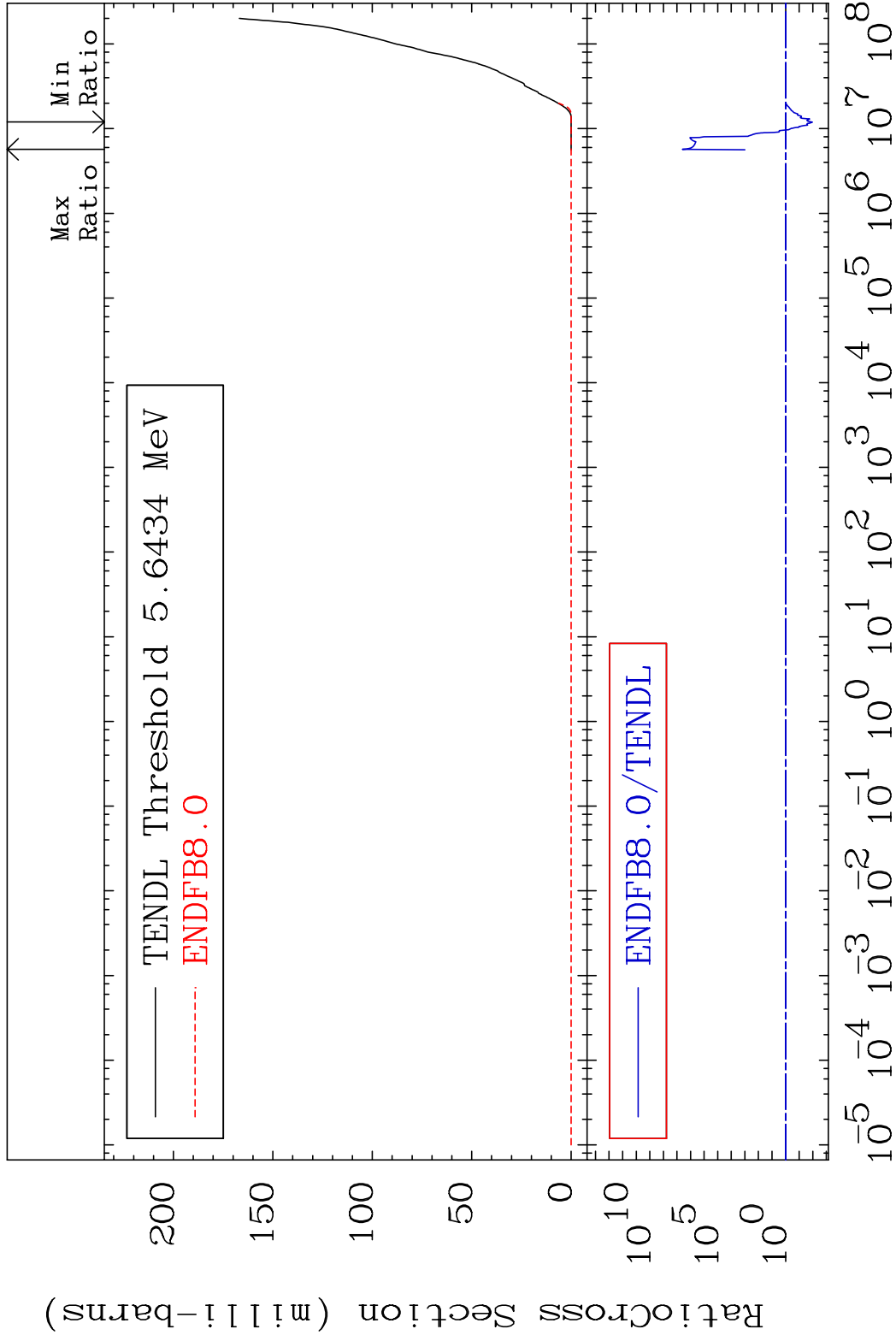


MAT 7440

Deuterium Production

74-W -185

Cross Section -98.97 To 9999. %



40

Incident Energy (eV)

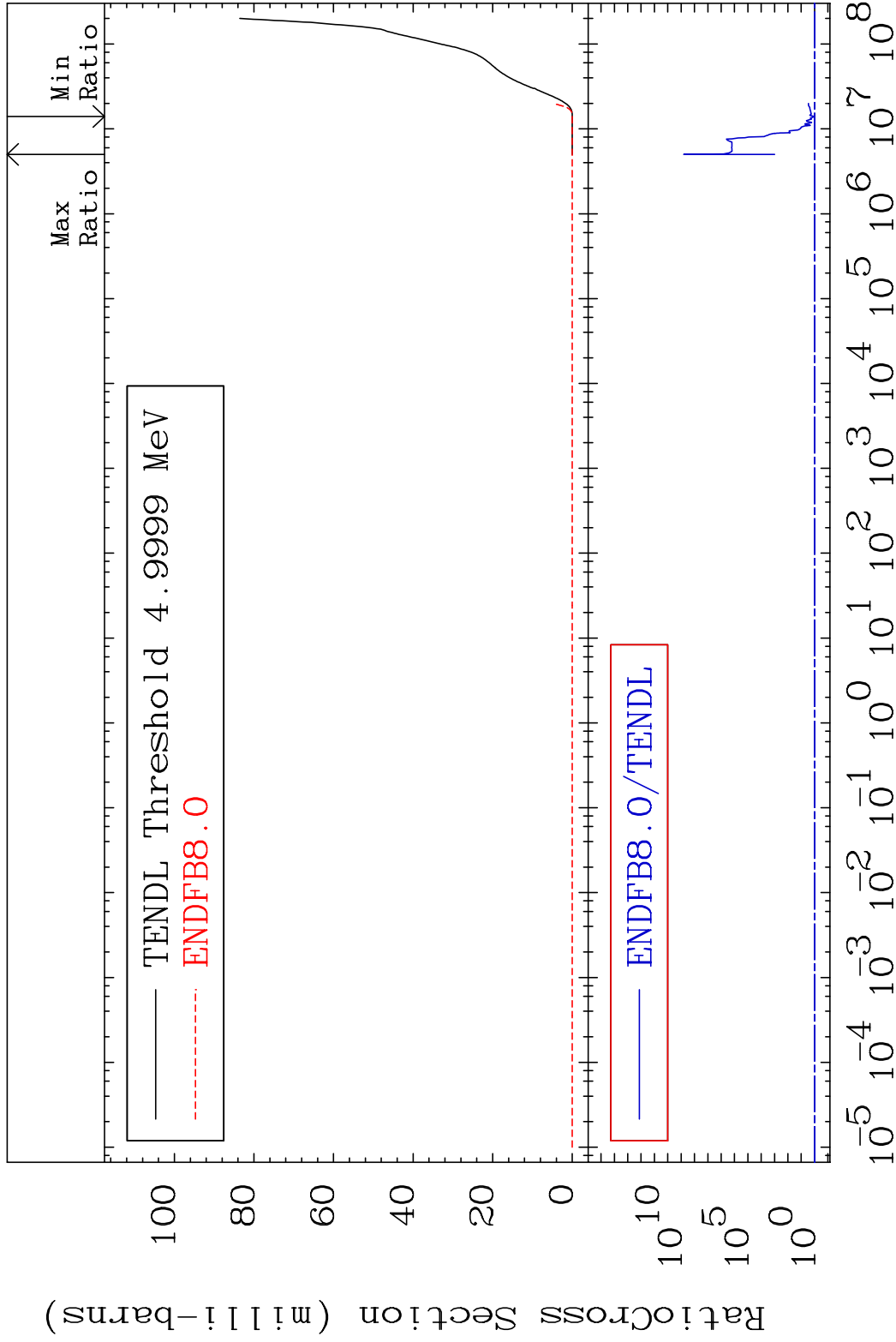
74-W -185

MAT 7440

Tritium Production

74-W -185

Cross Section 8.709 To 9999. %



41

Incident Energy (eV)

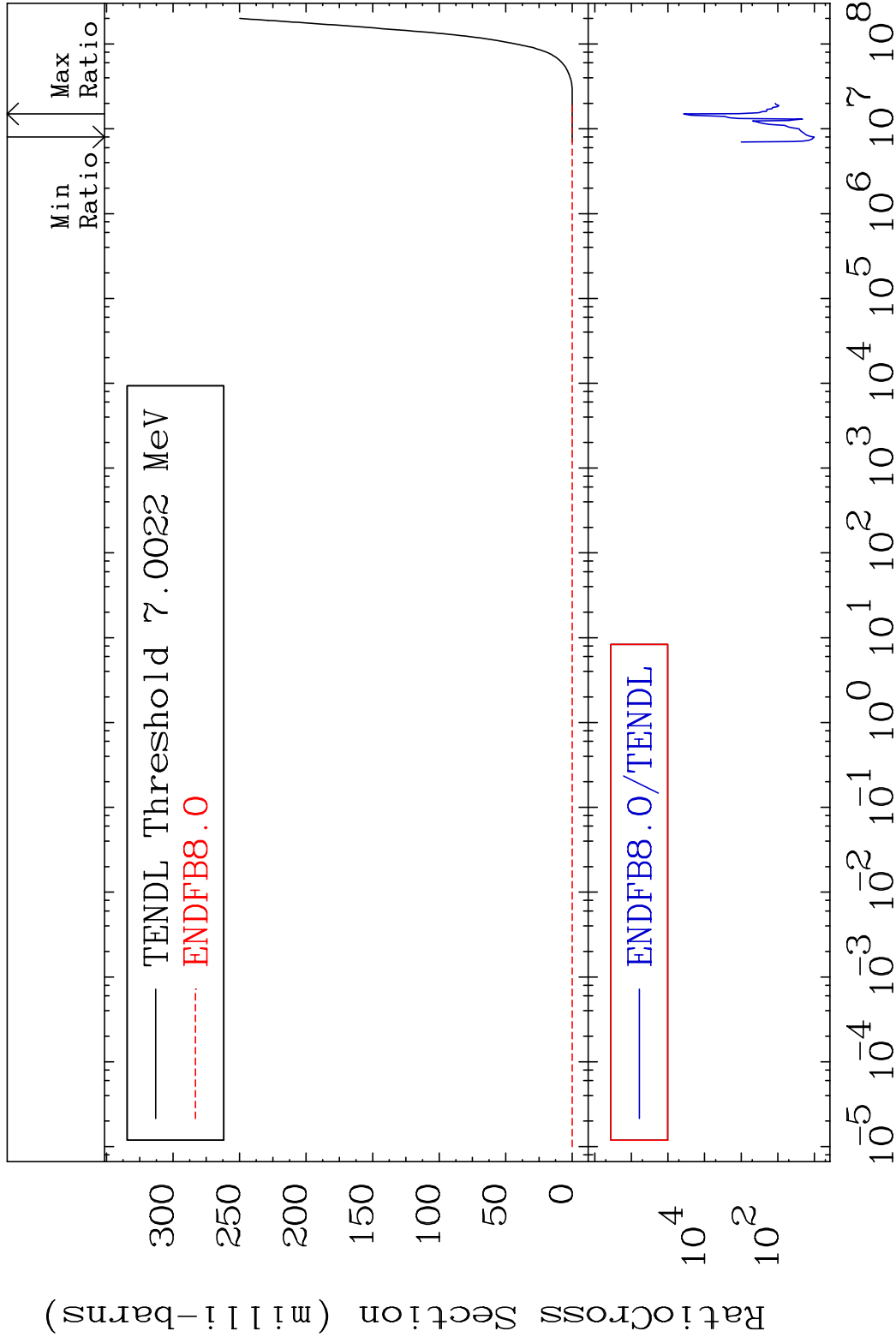
74-W -185

MAT 7440

He-3 Production

74-W -185

Cross Section 917.8 To 9999. %



42

Incident Energy (eV)

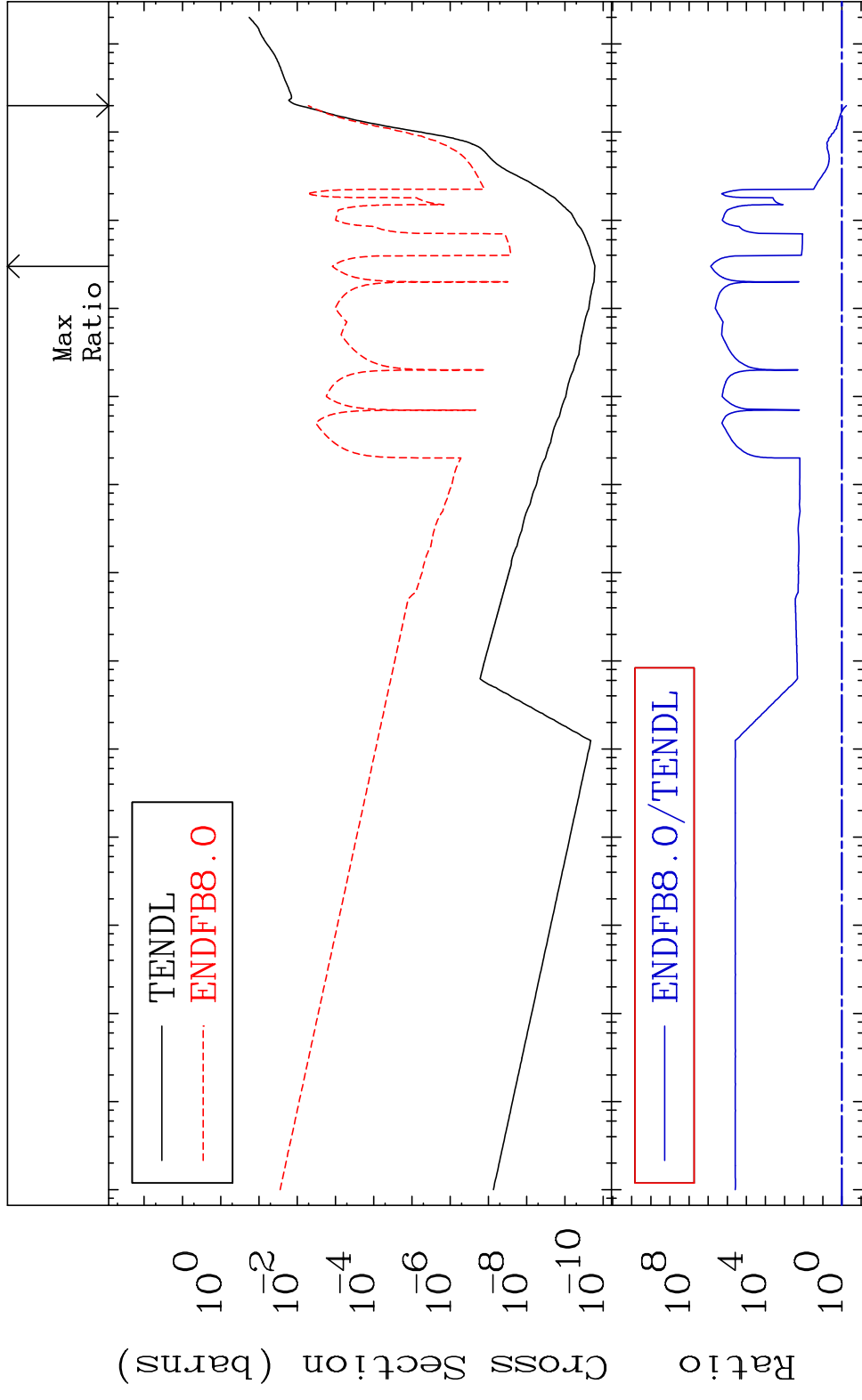
74-W -185

MAT 7440

He-4 Production

74-W -185

Cross Section -40.90 To 9999. %

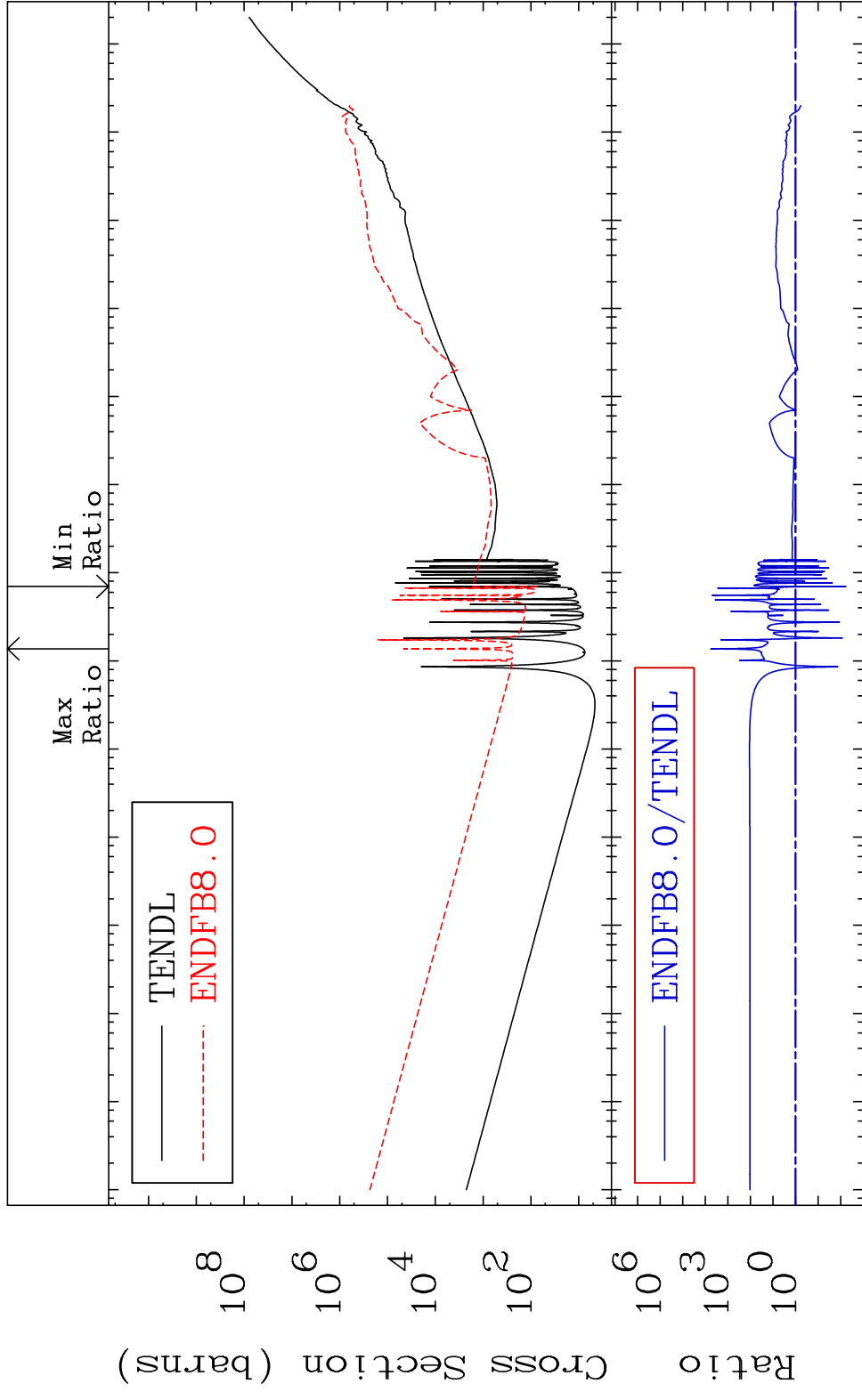


43

Incident Energy (eV)

74-W -185

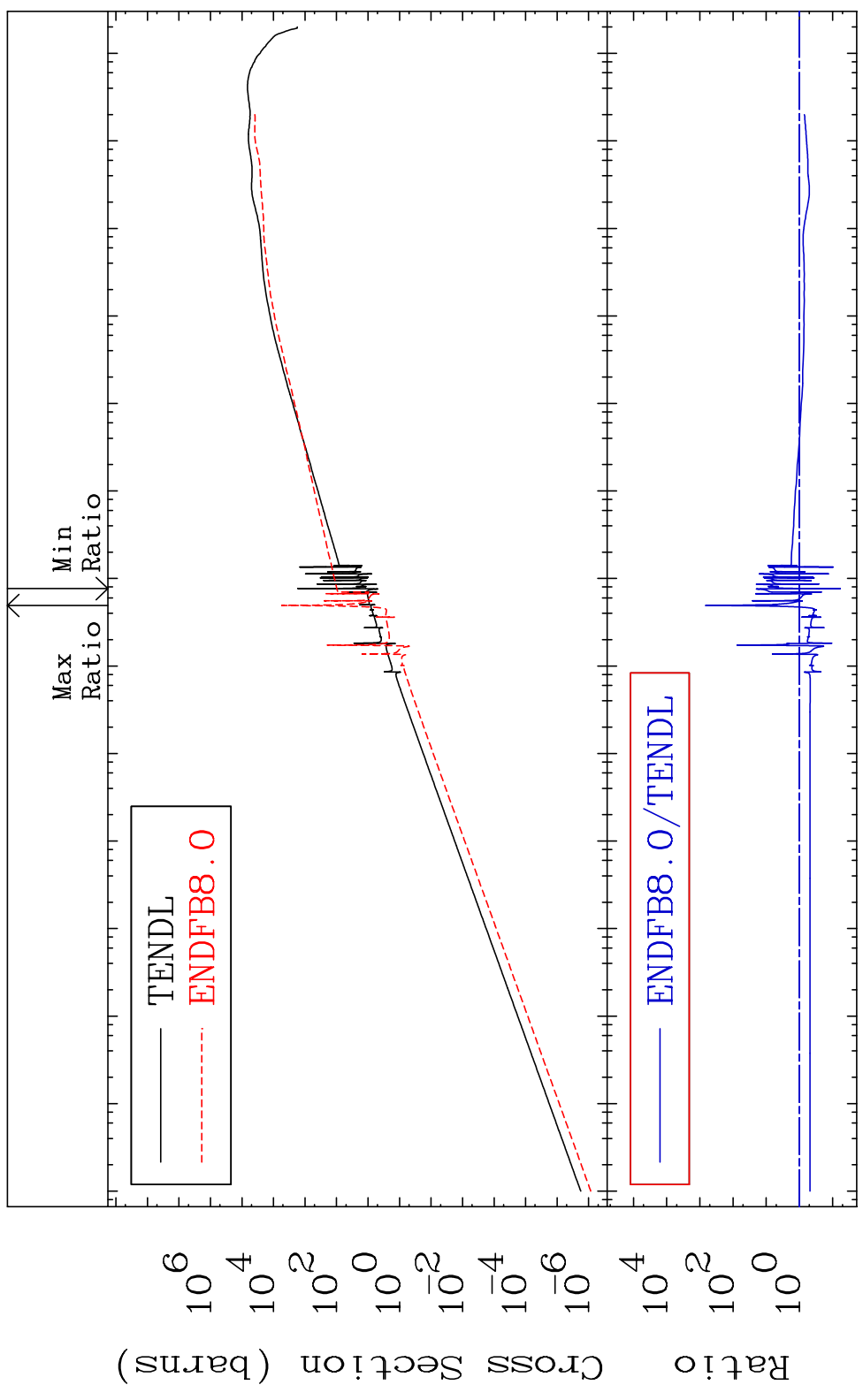
MAT 7440 Kerma total (eV-barns) 74-W -185
 Cross Section -99.44 To 9999. %



44 Incident Energy (eV) 74-W -185

MAT 7440

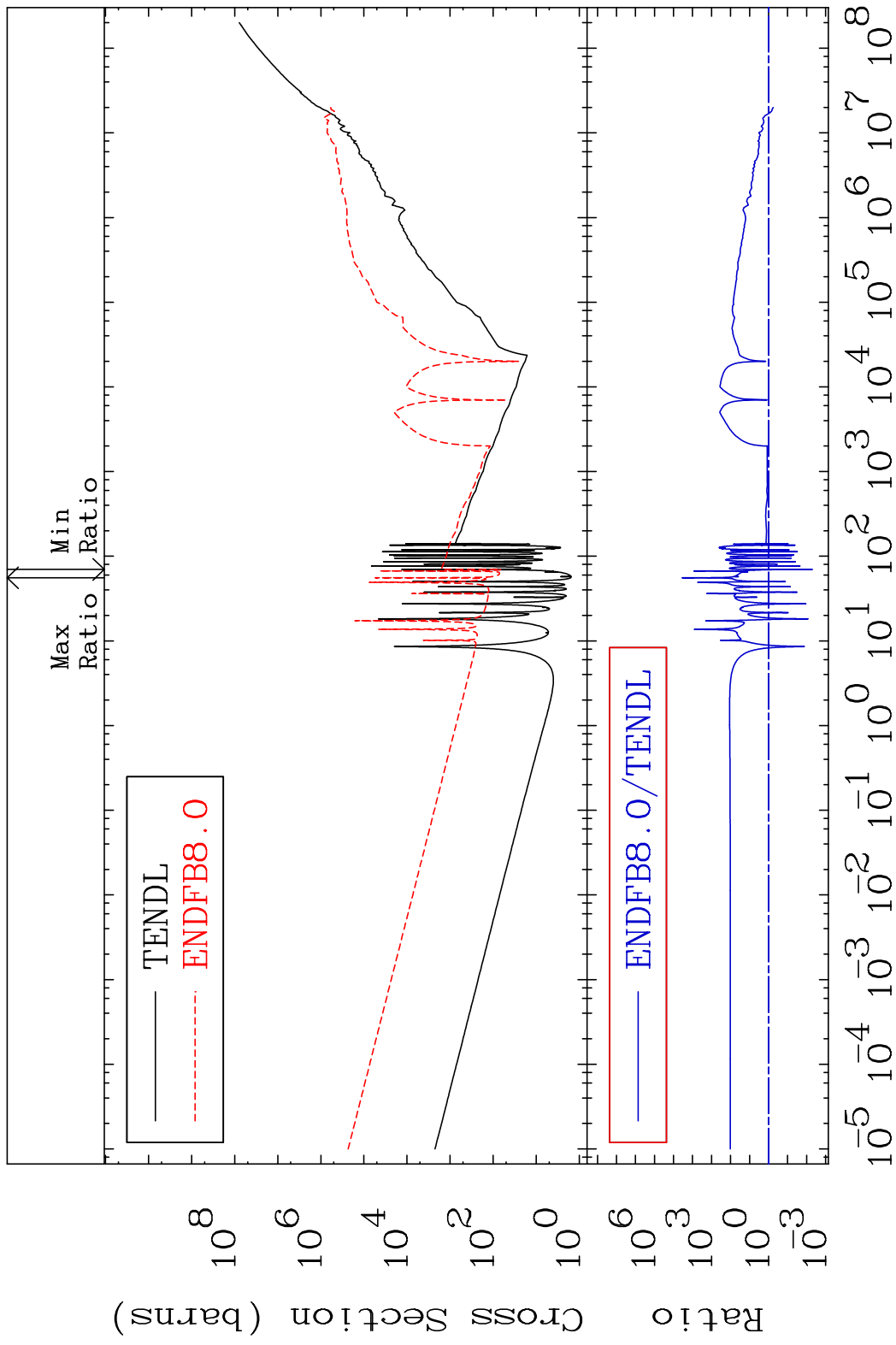
Kerma elastic Cross Section -94.17 To 9999. %
74-W -185



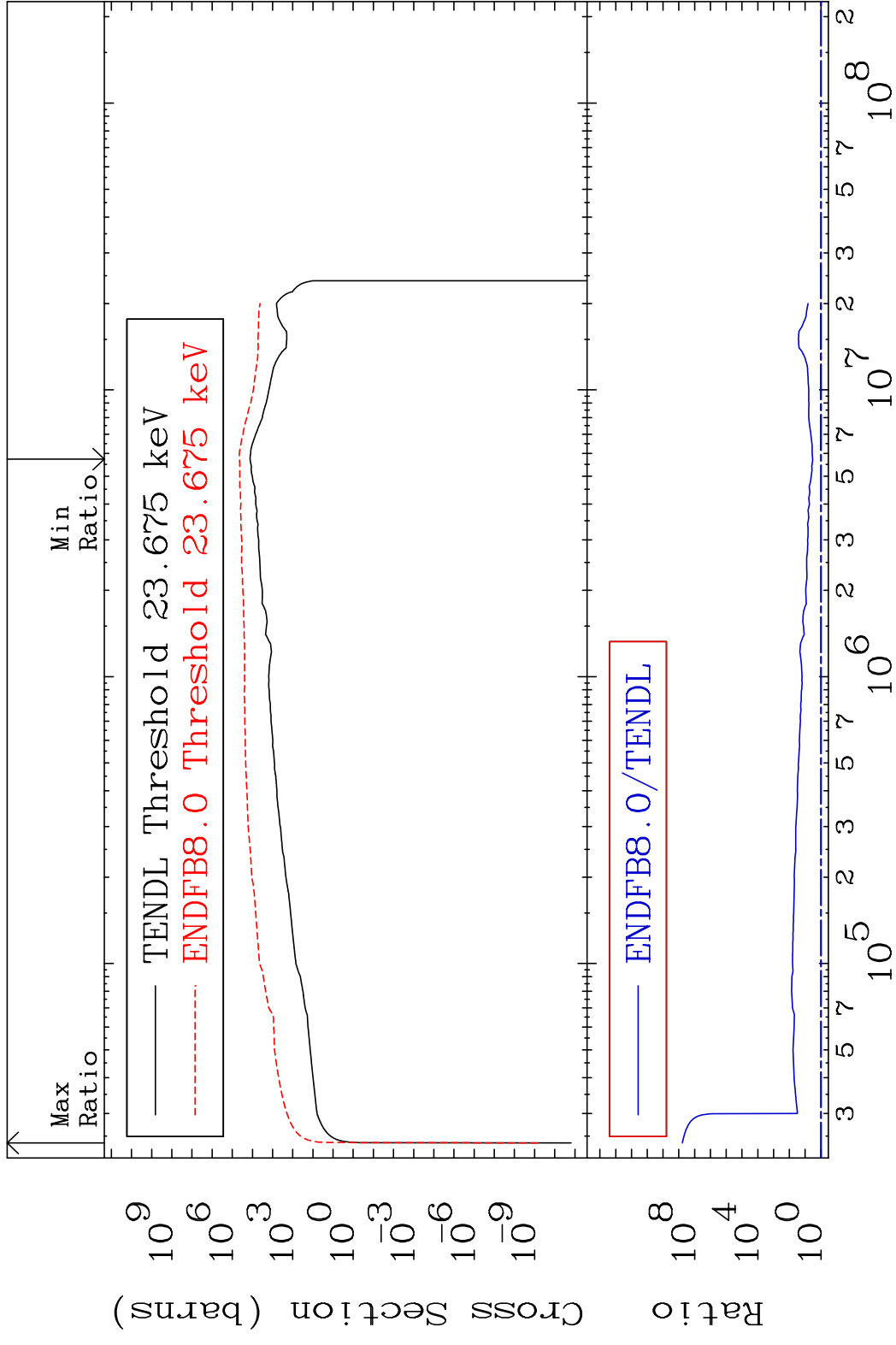
45

Incident Energy (eV) 74-W -185

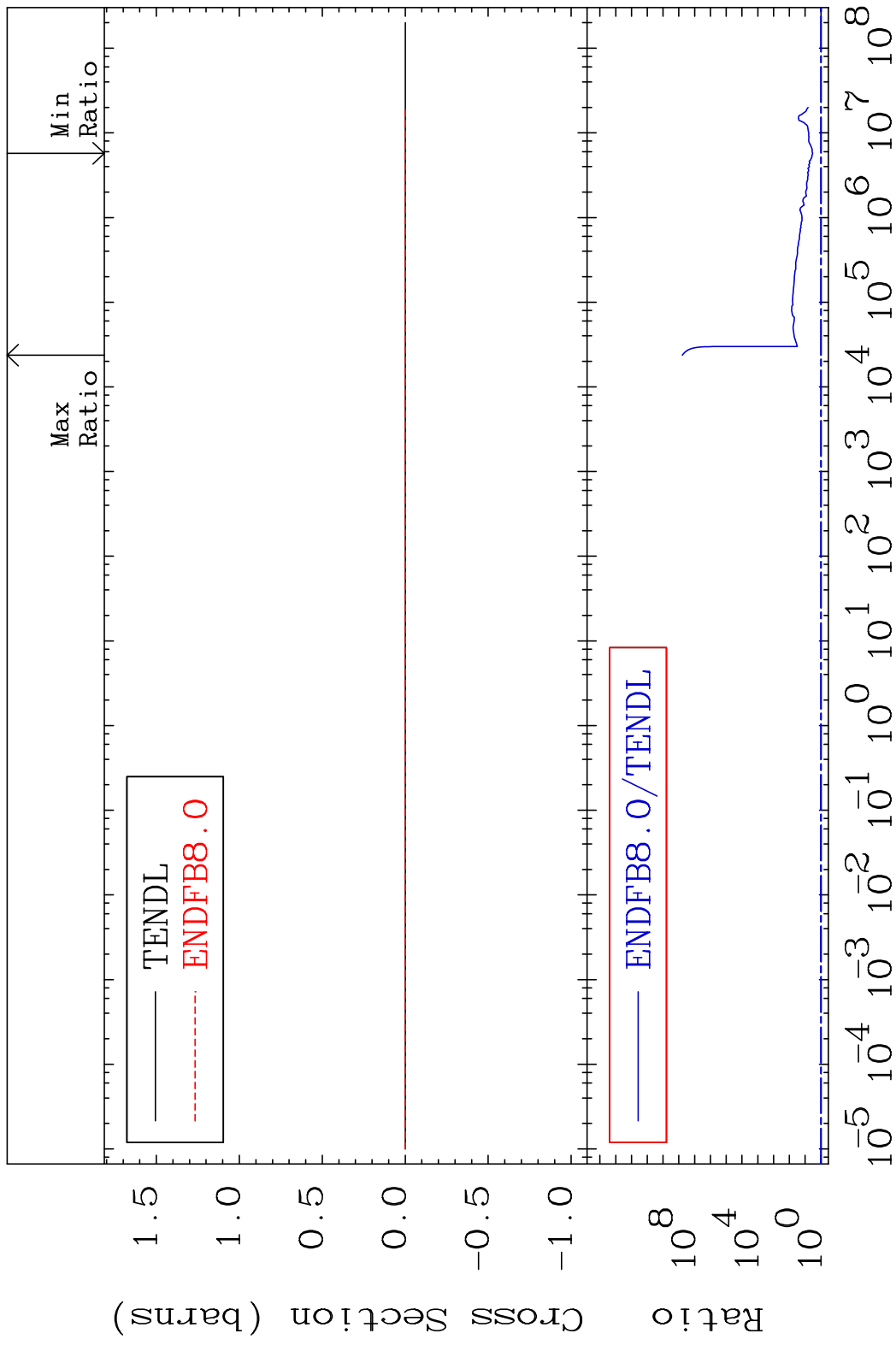
MAT 7440 Kerma non-elastic (all but mt2) 74-W -185
 Cross Section -99.51 To 9999. %



MAT 7440 Kerma inelastic (mt51-91) 74-W -185
 Cross Section 240.5 To 9999. %



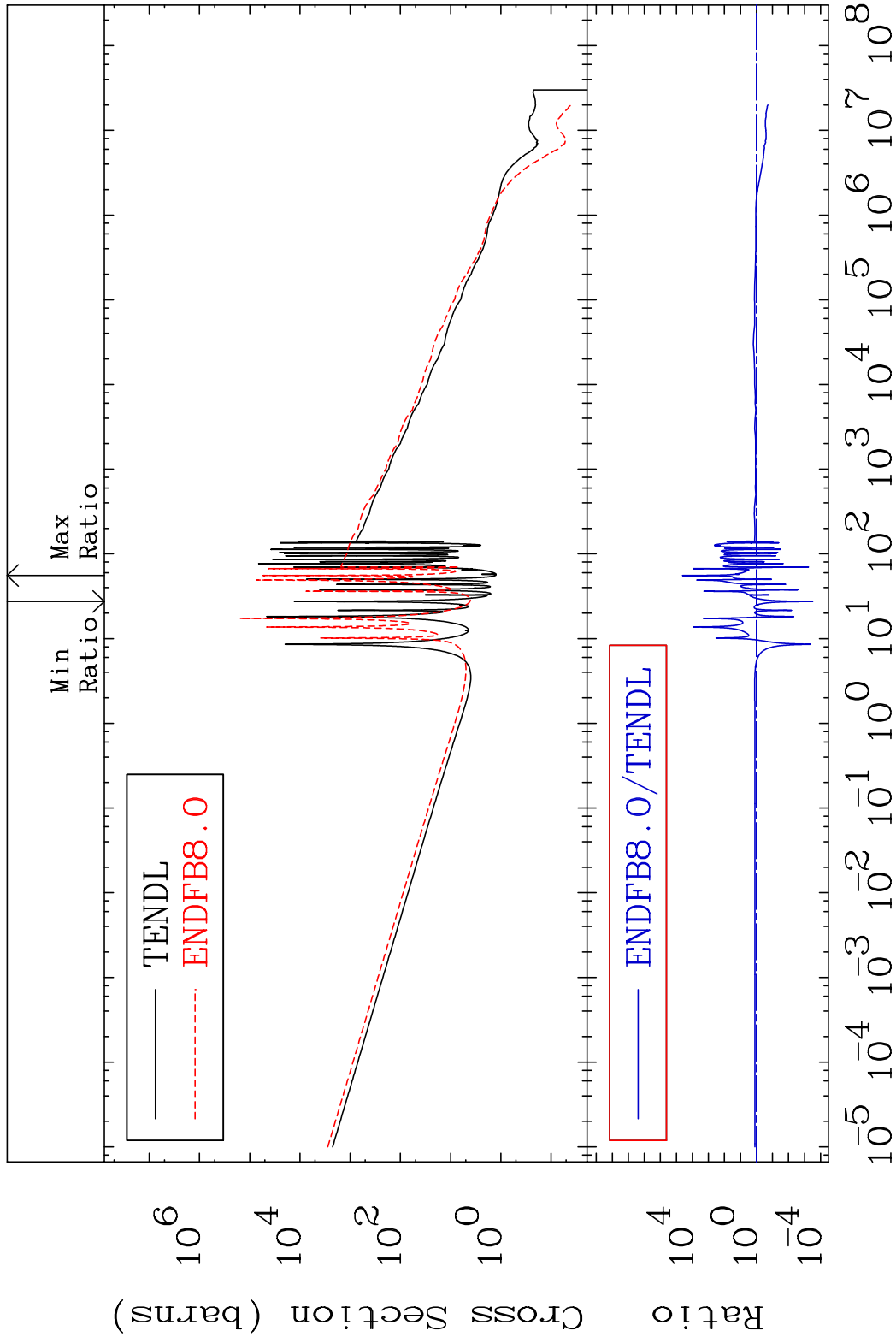
MAT 7440 Kerma fission (mt18 or mt19-20-21-38)74-W -185
 Cross Section 240.5 To 9999. %



MAT 7440

Kerma capture (mt102) 74-W -185

Cross Section -99.97 To 9999. %

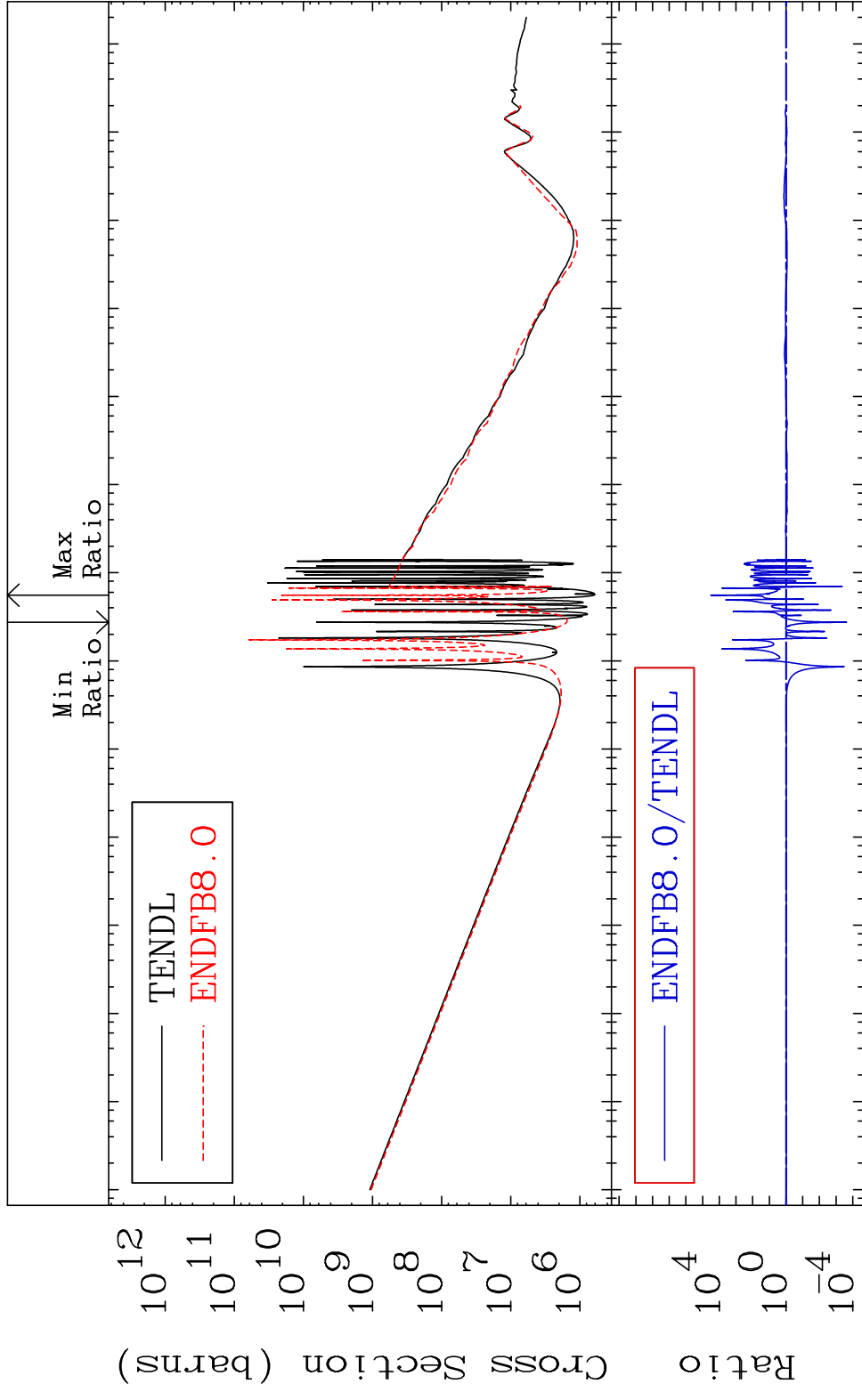


49

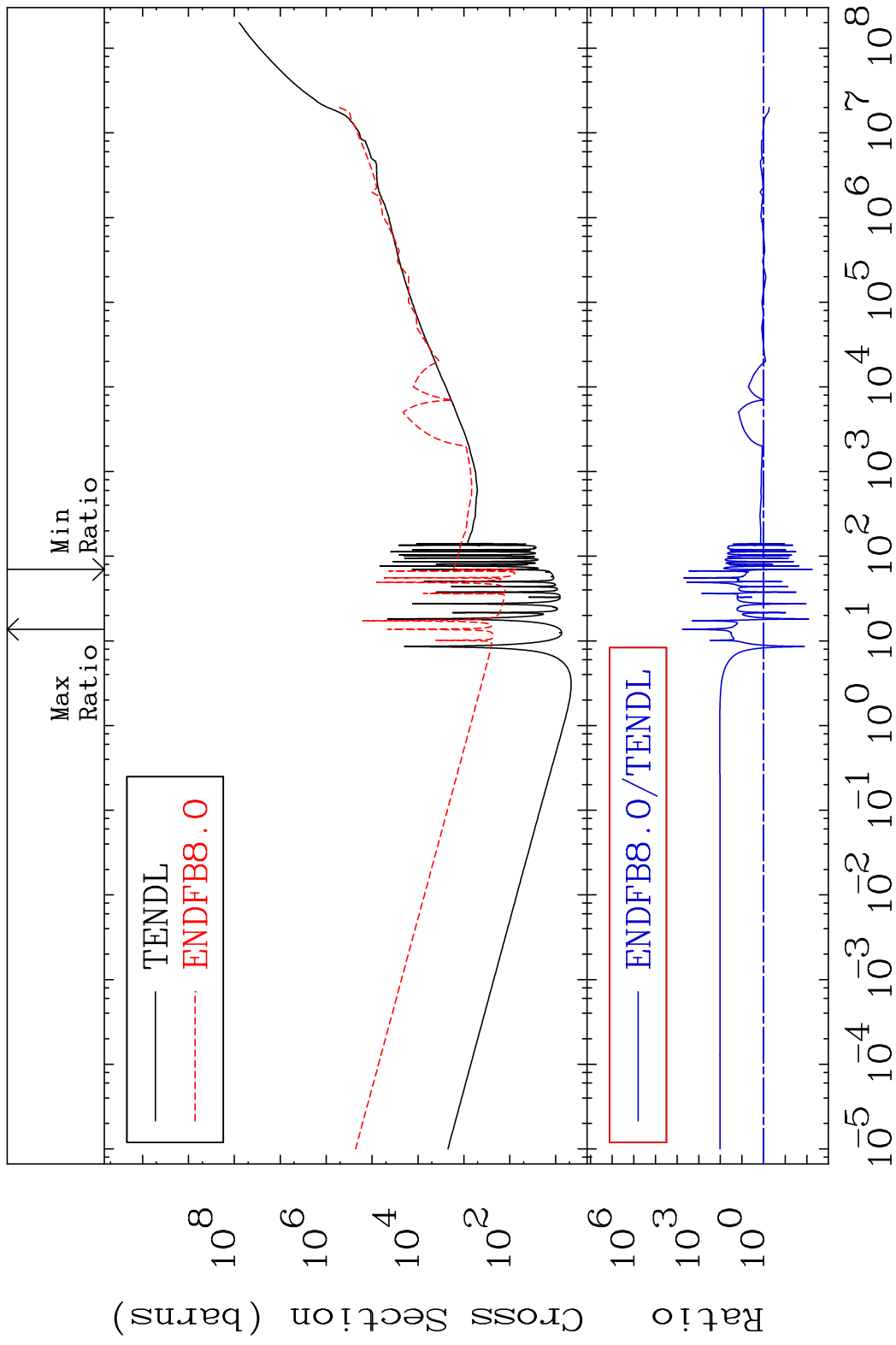
Incident Energy (eV)

74-W -185

MAT 7440 Total photon (eV-barns) 74-W -185
 Cross Section -99.98 To 9999. %



MAT 7440 Total kinematic kerma (high limit) 74-W -185
 Cross Section -99.45 To 9999. %

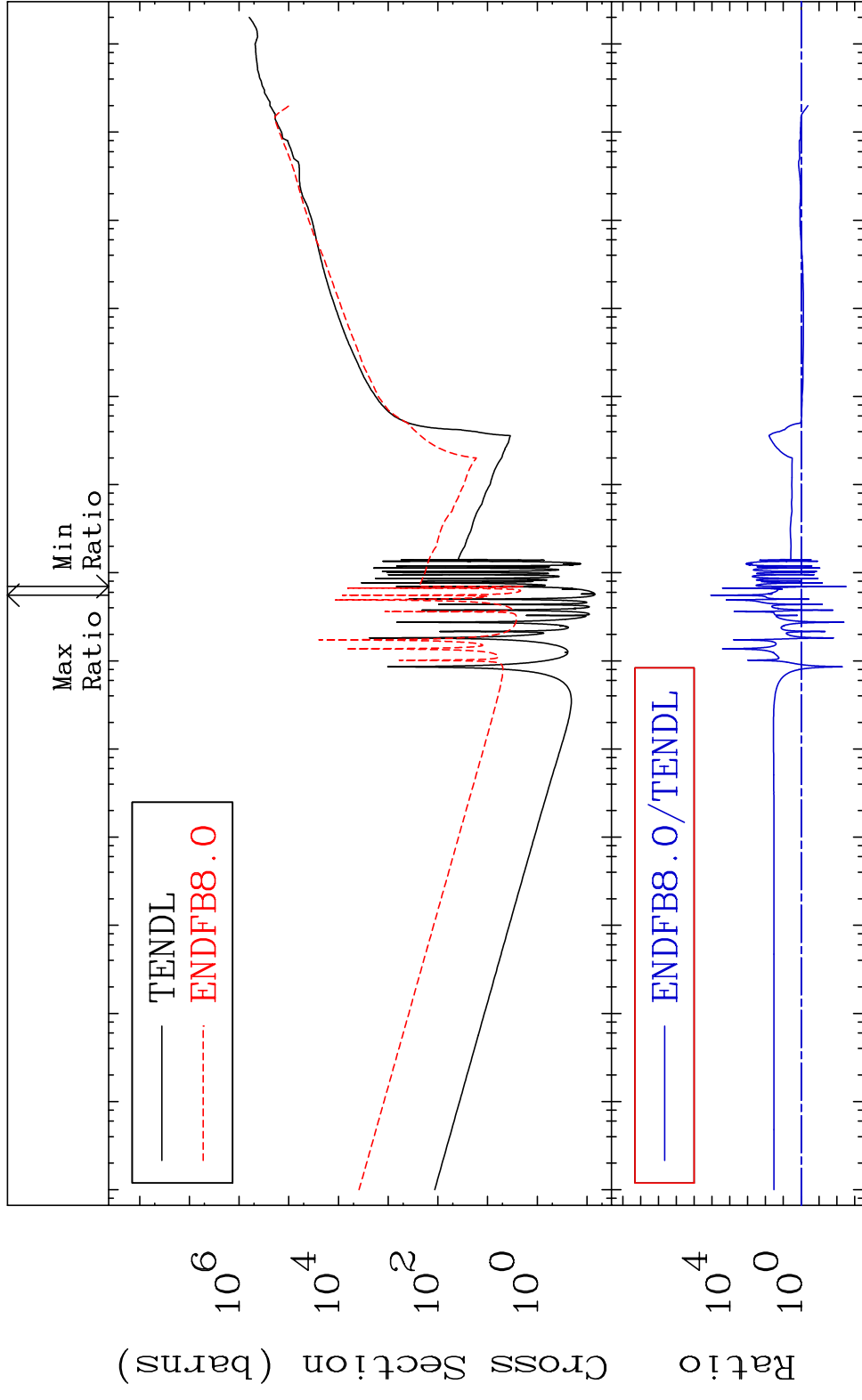


MAT 7440

Dpa total (eV-barns)

74-W -185

Cross Section -99.71 To 9999. %



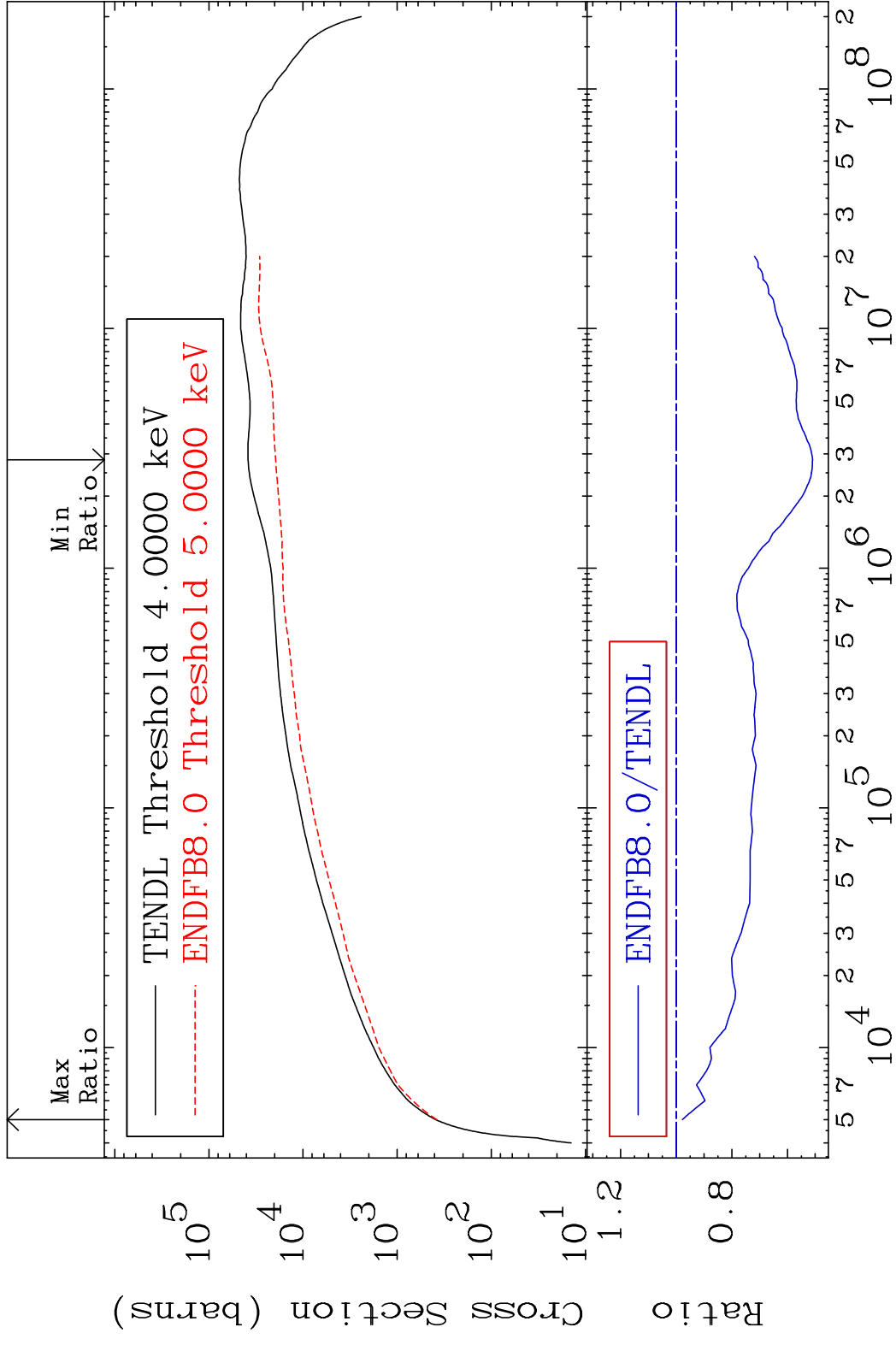
MAT 7440

Dpa elastic (mt2)

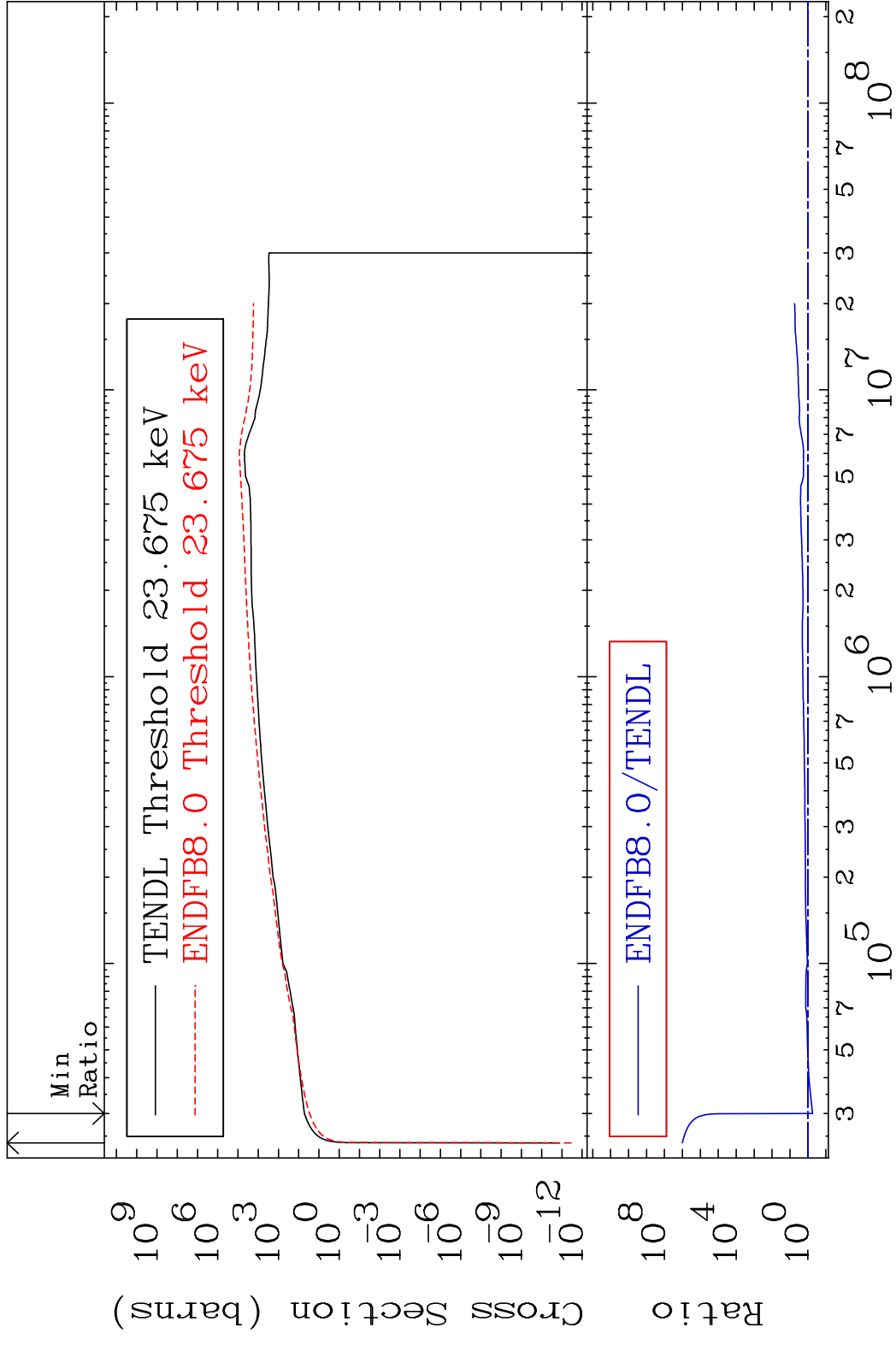
74-W -185

Cross Section

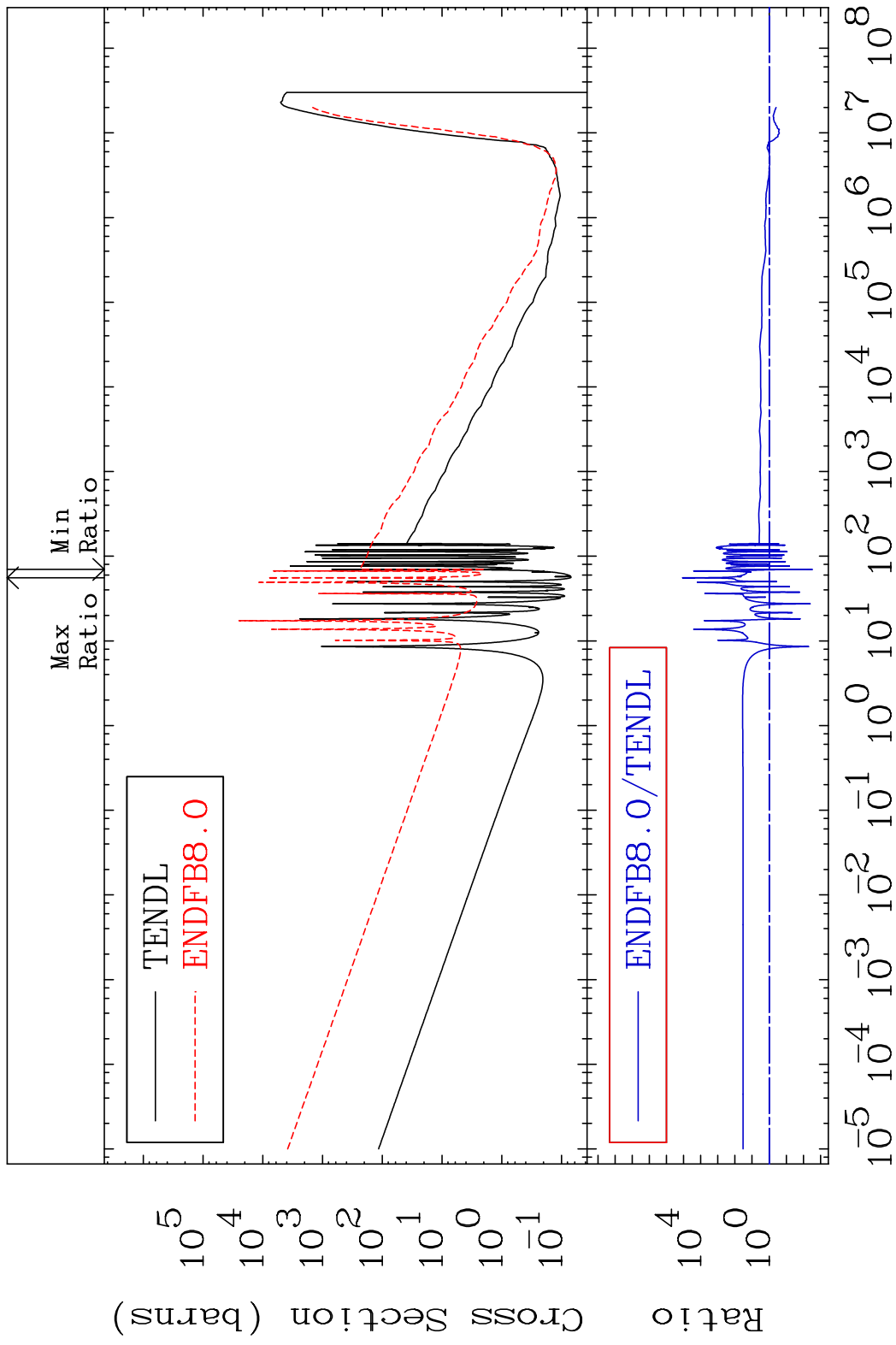
-49.04 To -2.214%



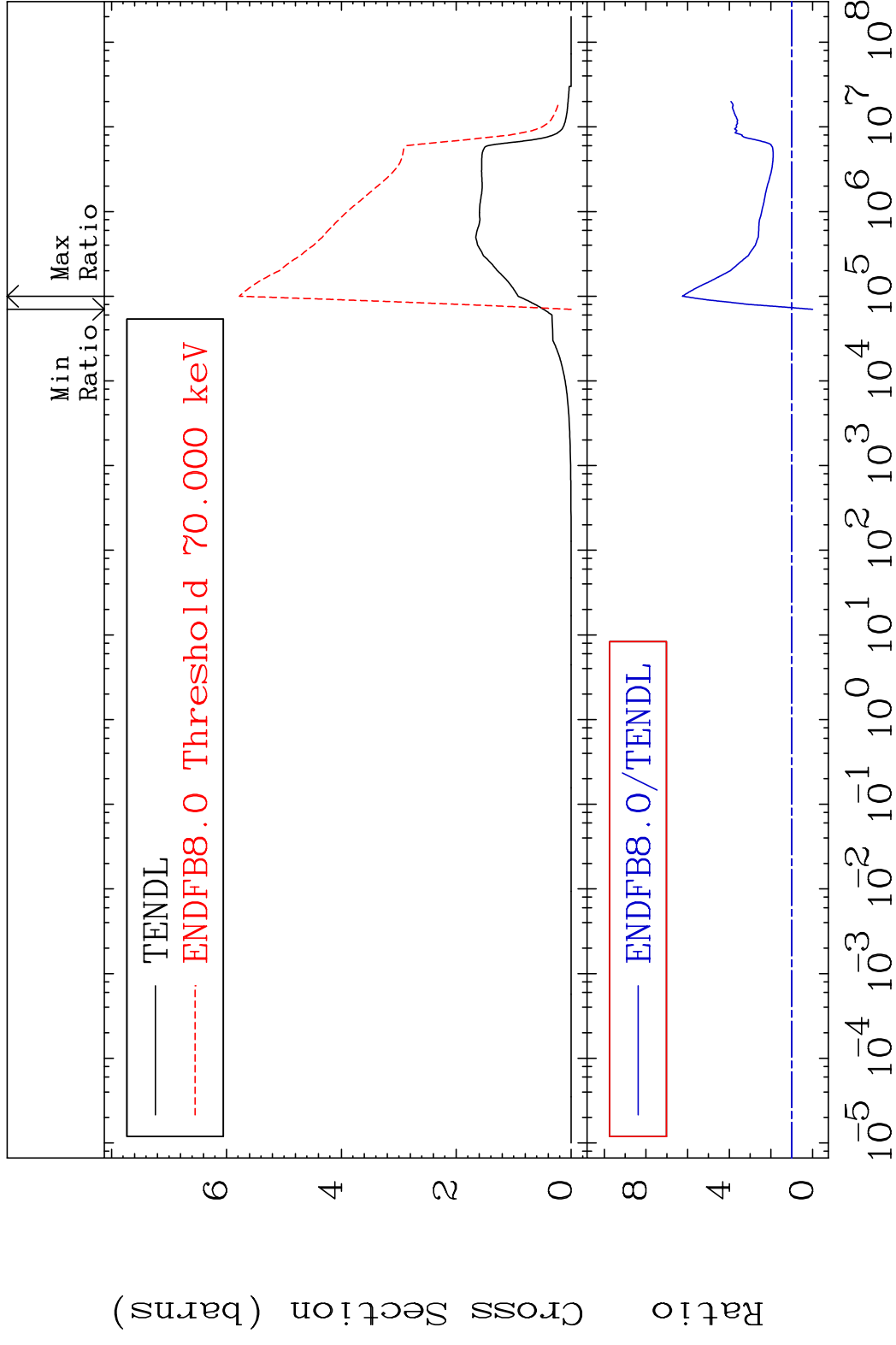
MAT 7440 Dpa inelastic (mt51-91) 74-W -185
 Cross Section -44.91 To 9999. %

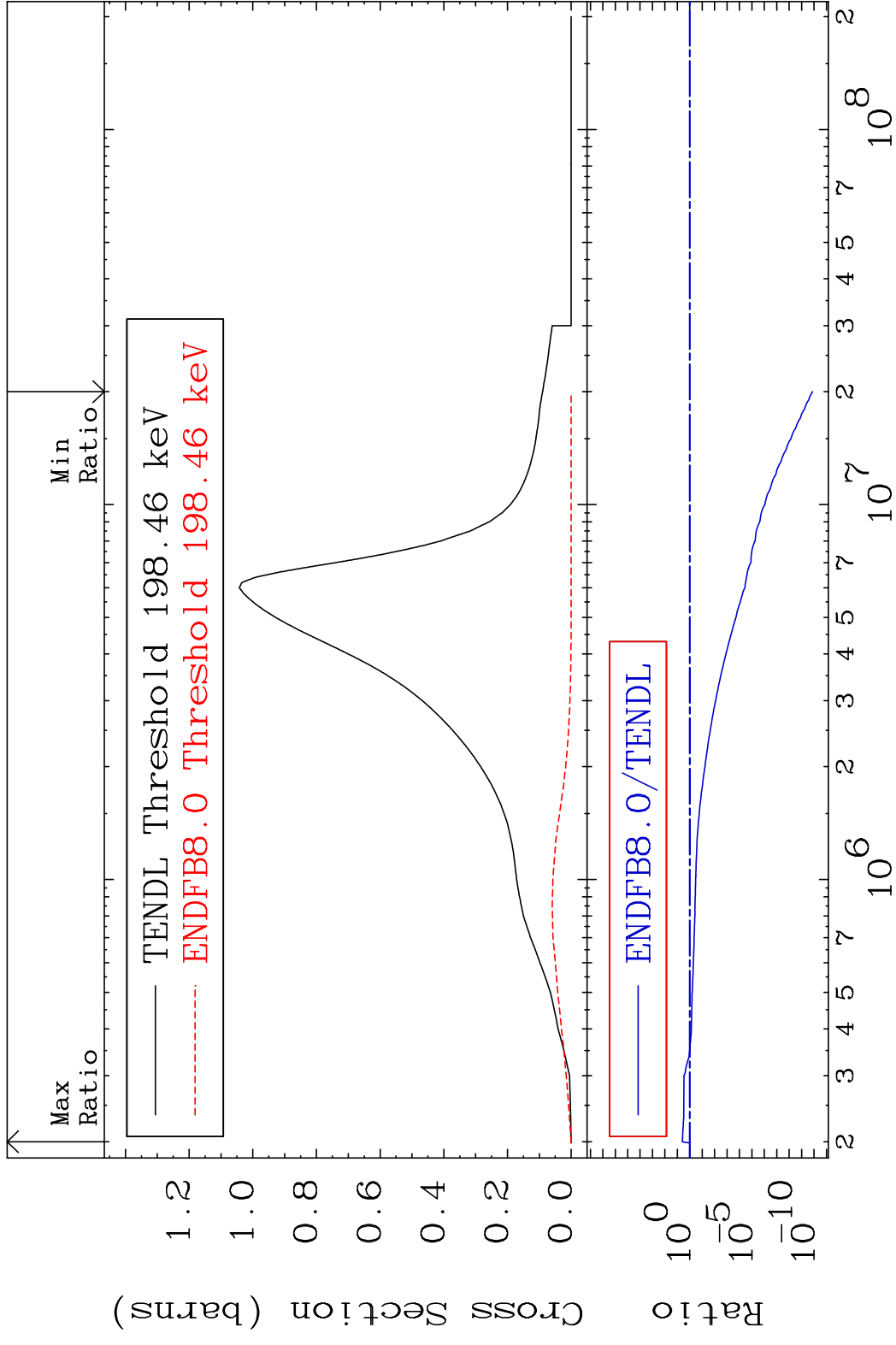


MAT 7440 Dpa disappearance (mt102 -120) 74-W -185
 Cross Section -99.71 To 9999. %

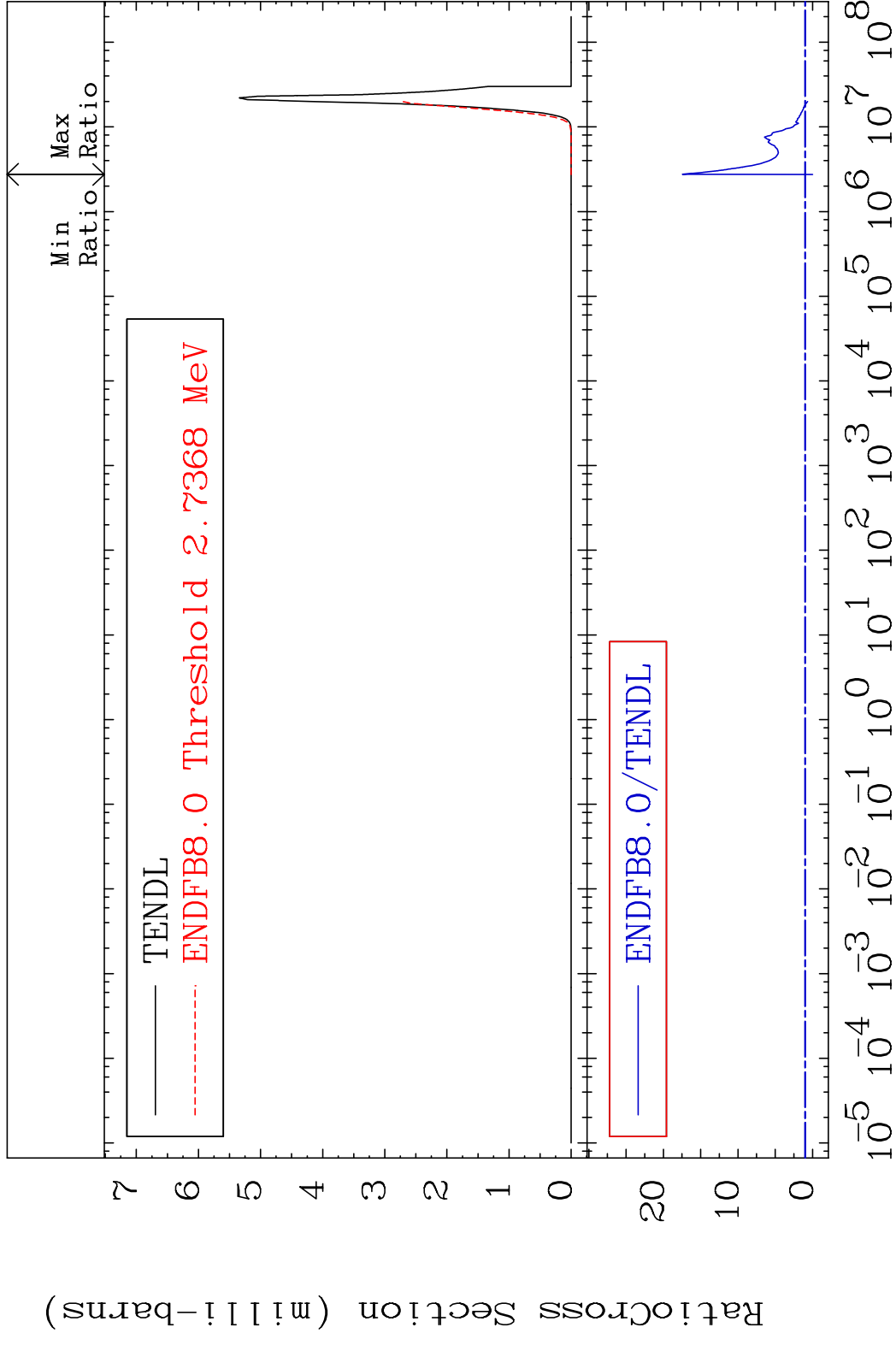


MAT 7440 Inelastic:74-W -185g 74-W -185
 Radionuclide Production Cross Section Ratio 525.3 %





MAT 7440 (n,α):72-Hf-182g 74-W -185
 Radionuclide Production Cross Section 180.0 dth 1646. %



MAT 7440 (n, α): 72-Hf-182m9 74-W -185
 Radionuclide Production Cross Section 182m9 to 1193. %

