

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

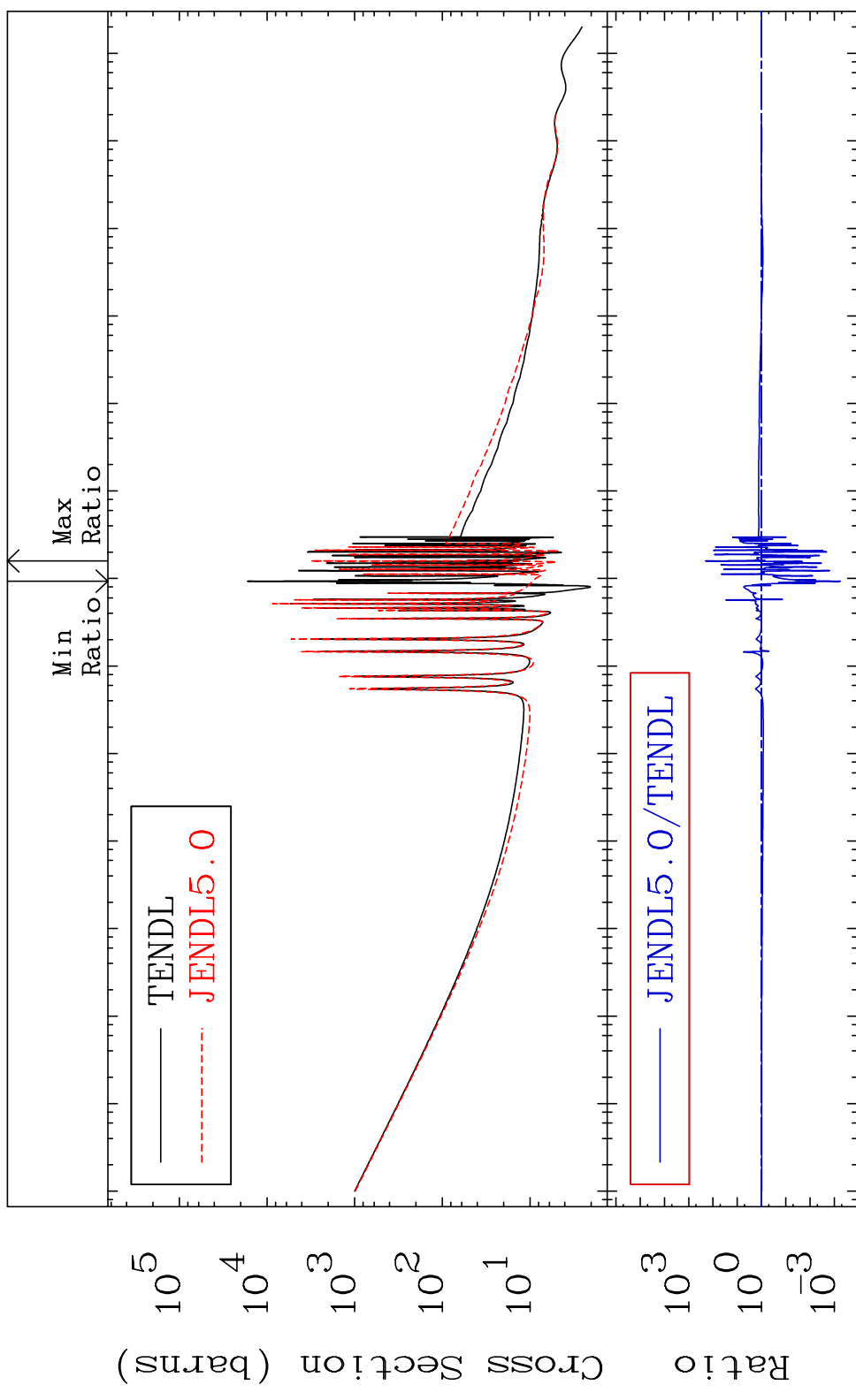
MAT 6825

Total

68-Er-162

Cross Section

-99.94 To 9999. %



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

1

Incident Energy (eV)

68-Er-162

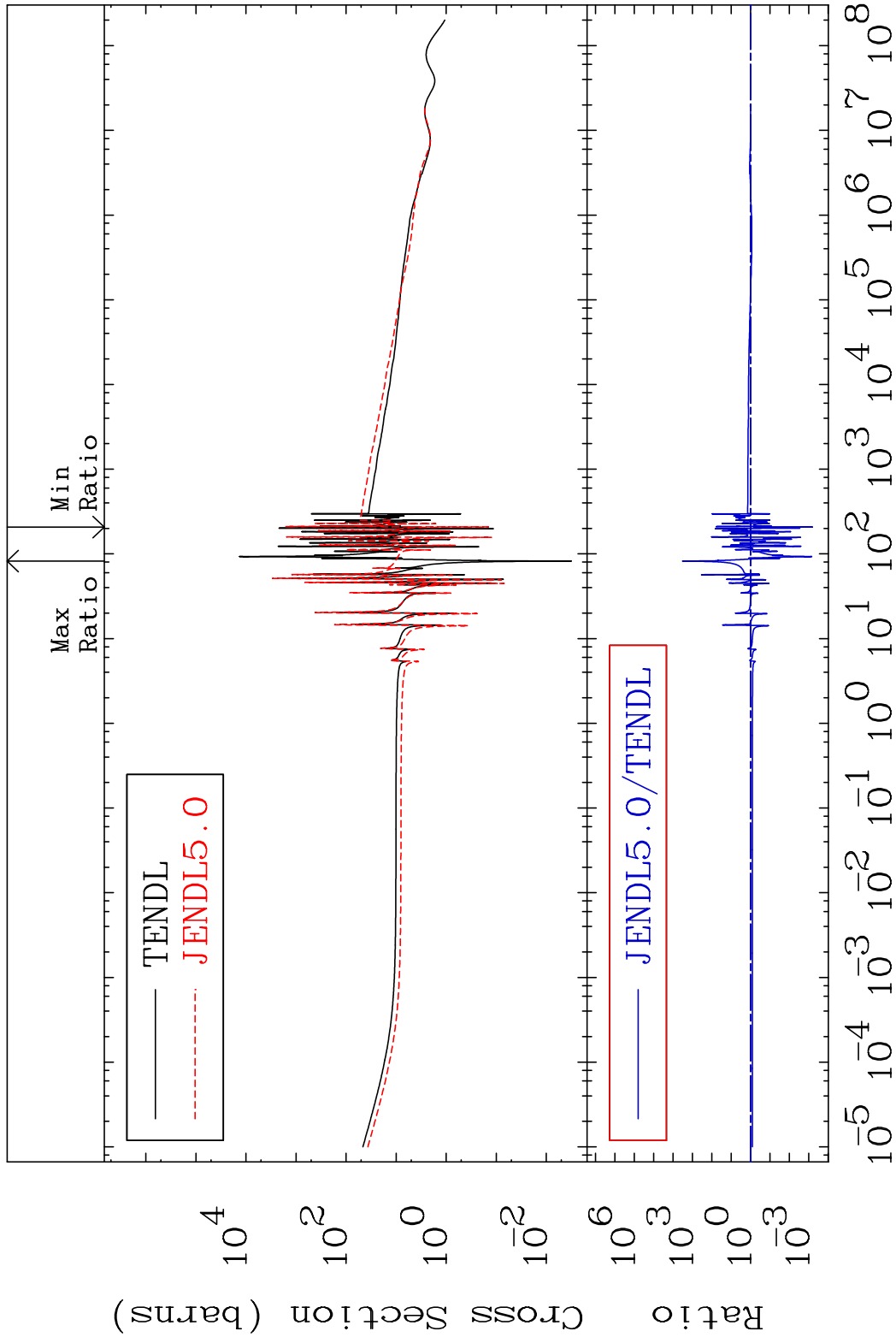
MAT 6825

Elastic

68-Er-162

Cross Section

-99.94 To 9999. %

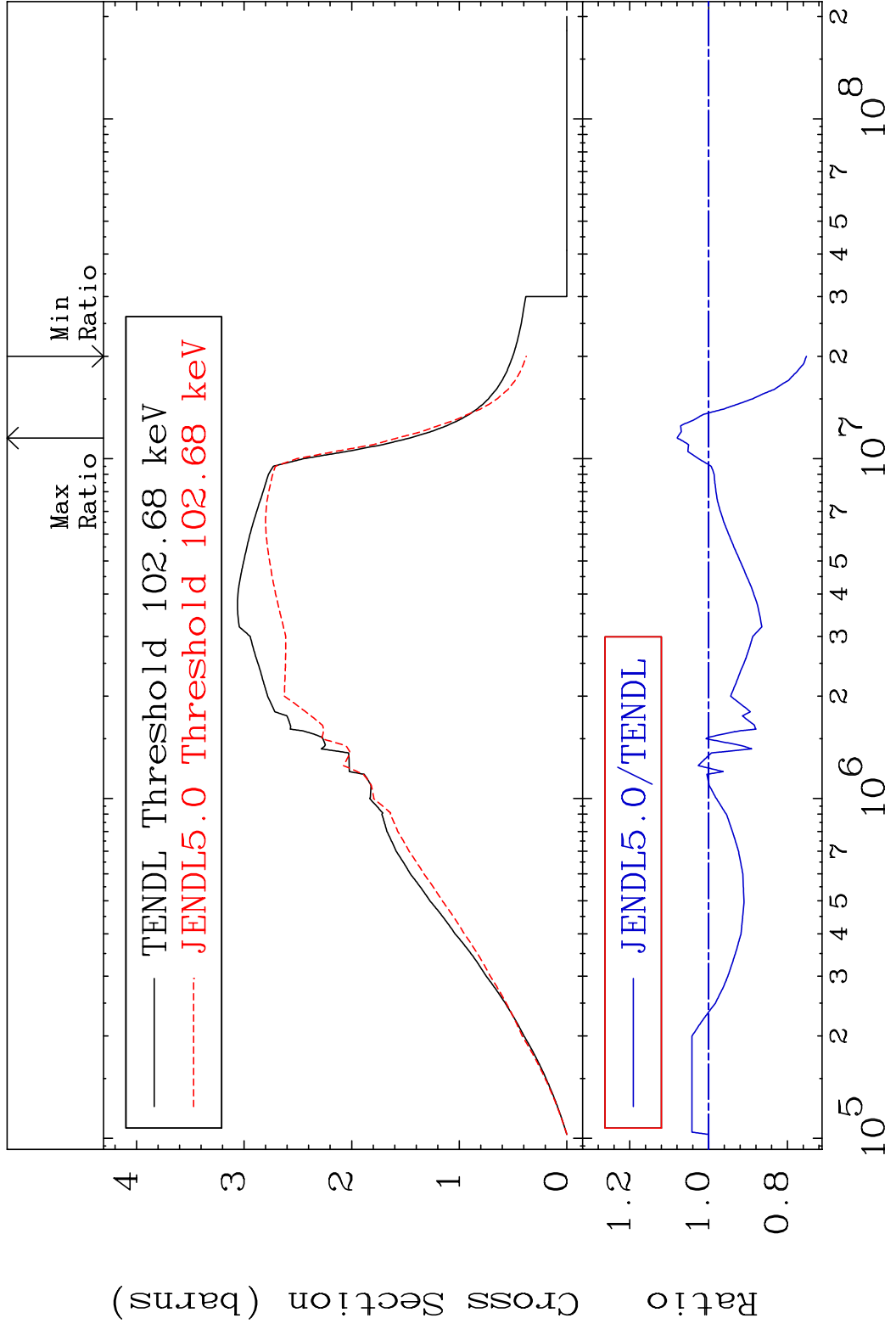


2

Incident Energy (eV)

68-Er-162

MAT 6825 Inelastic Cross Section 68-Er-162
 Cross Section -24.81 To 7.969 %



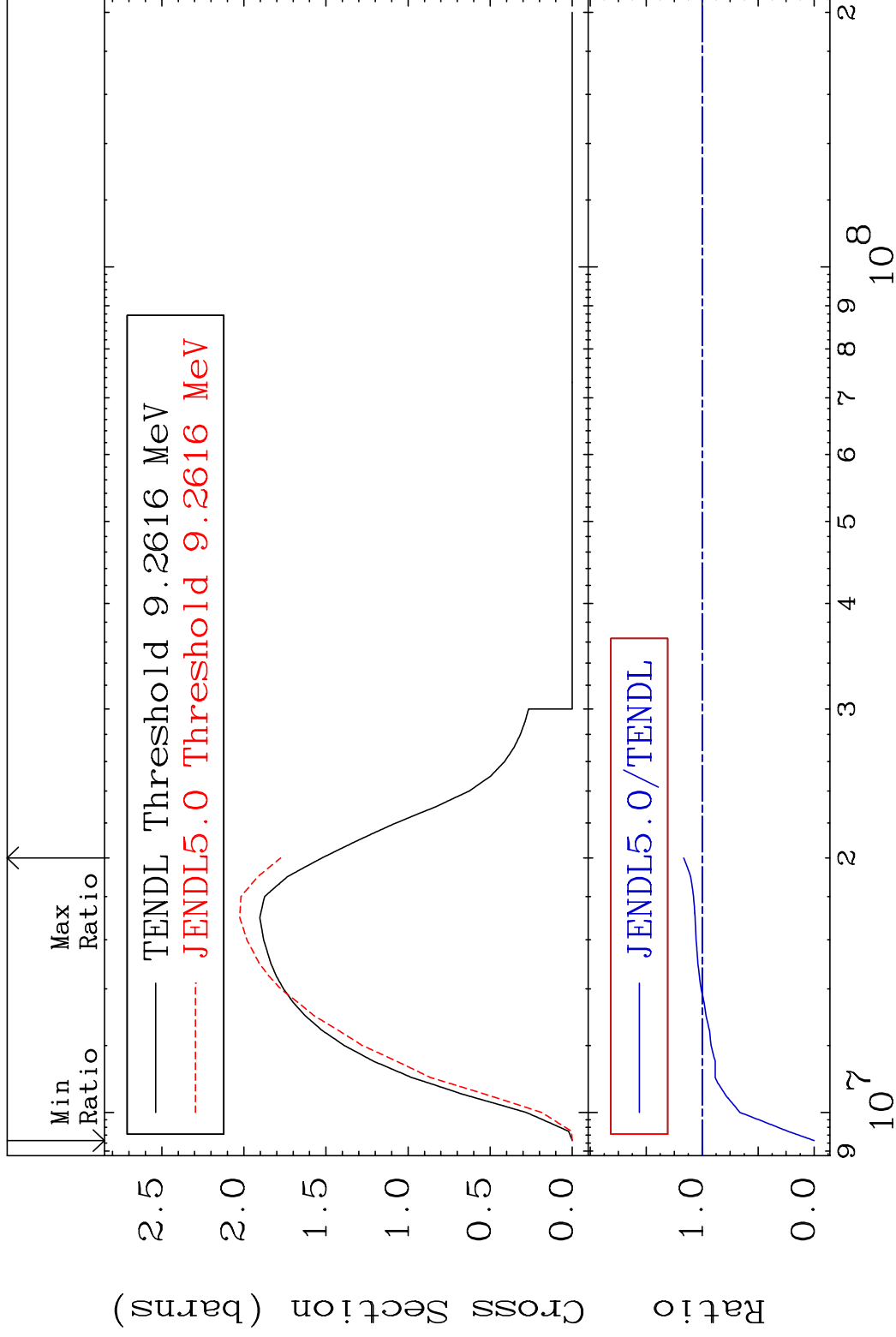
3 Incident Energy (eV) 68-Er-162

MAT 6825

(n,2n)

68-Er-162

Cross Section -100.0 To 16.57 %



4

Incident Energy (eV)

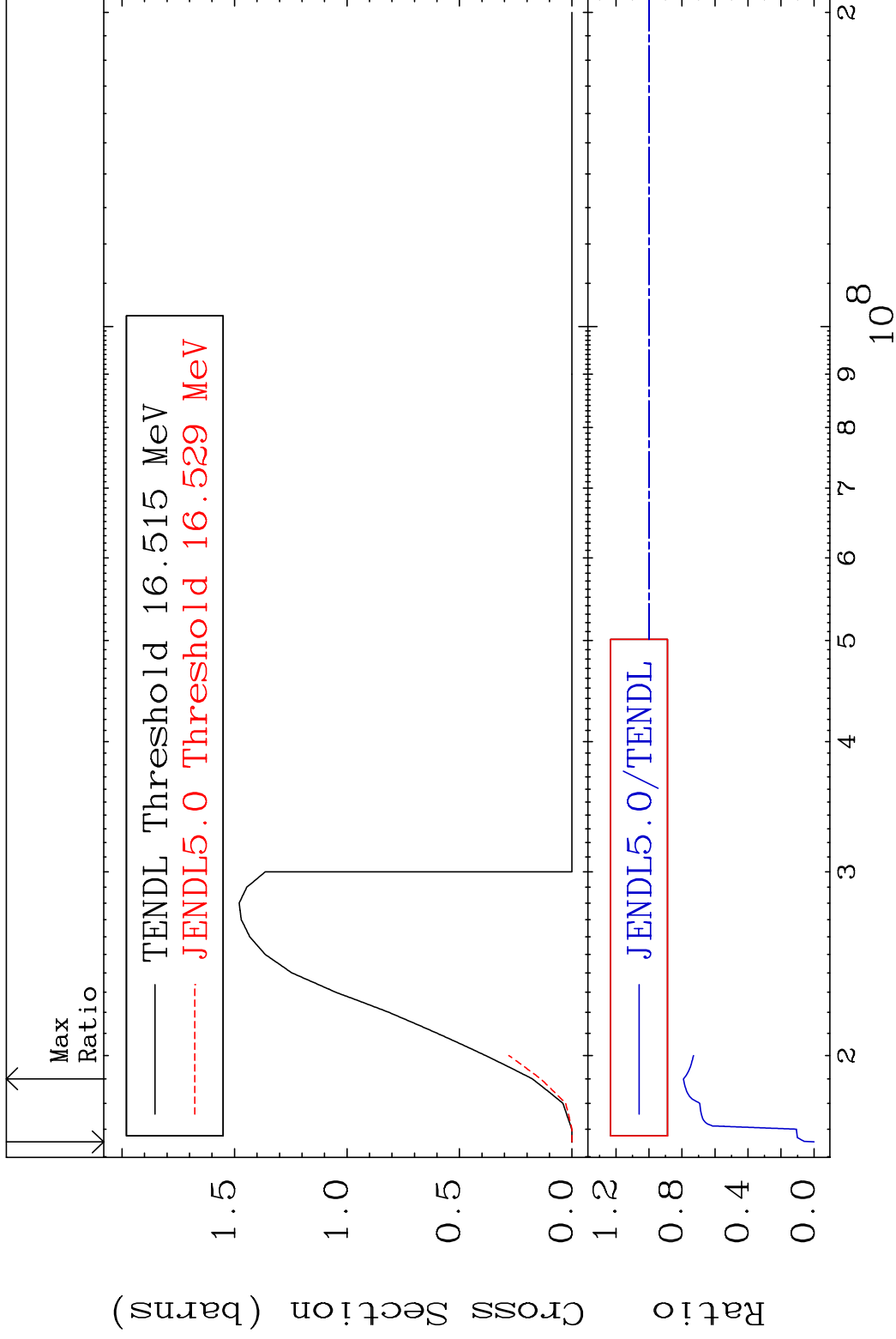
68-Er-162

MAT 6825

(n,3n)

68-Er-162

Cross Section -100.0 To -20.88%



5

Incident Energy (eV)

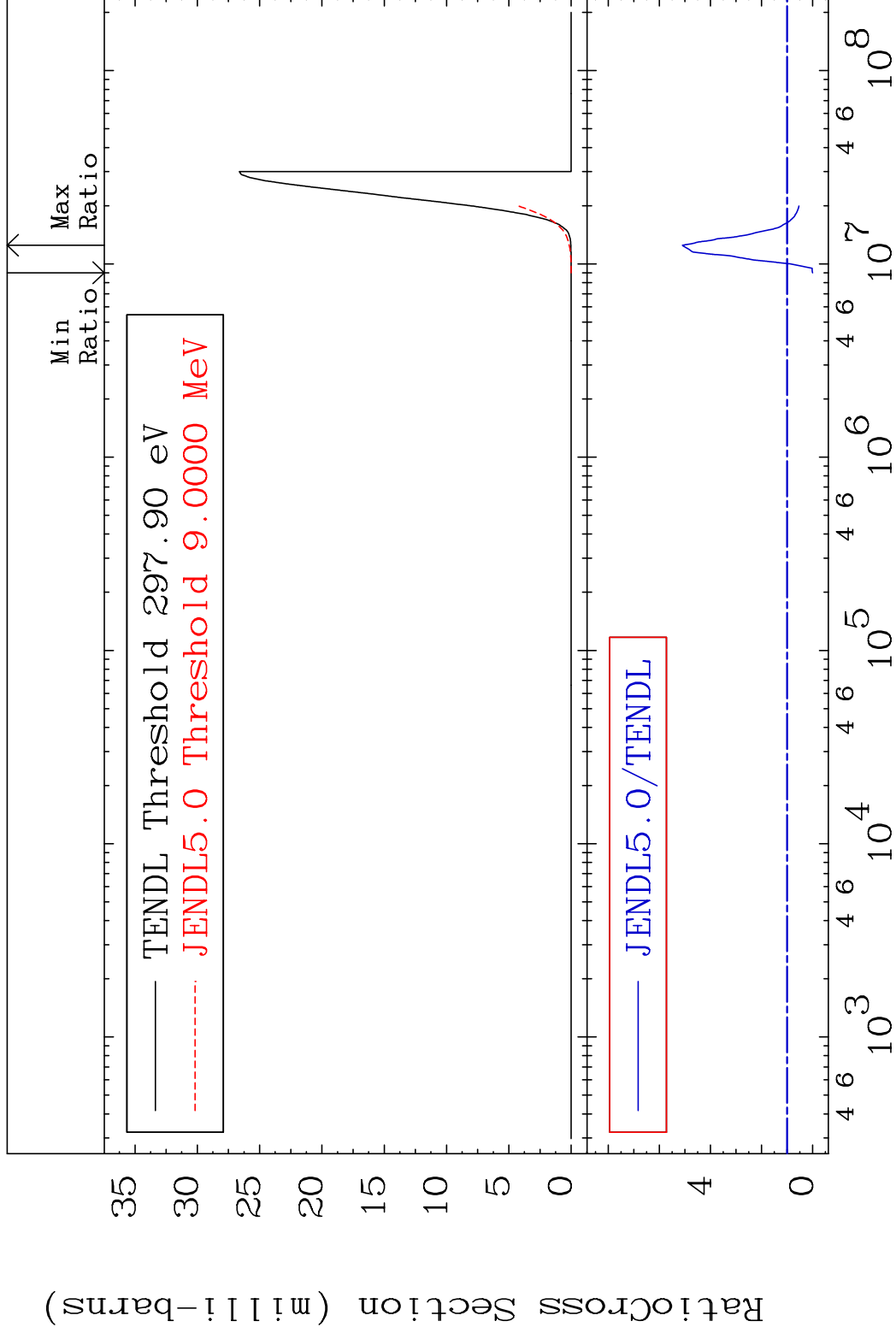
68-Er-162

MAT 6825

(n, n') α

68-Er-162

Cross Section -100.0 To 410.1 %

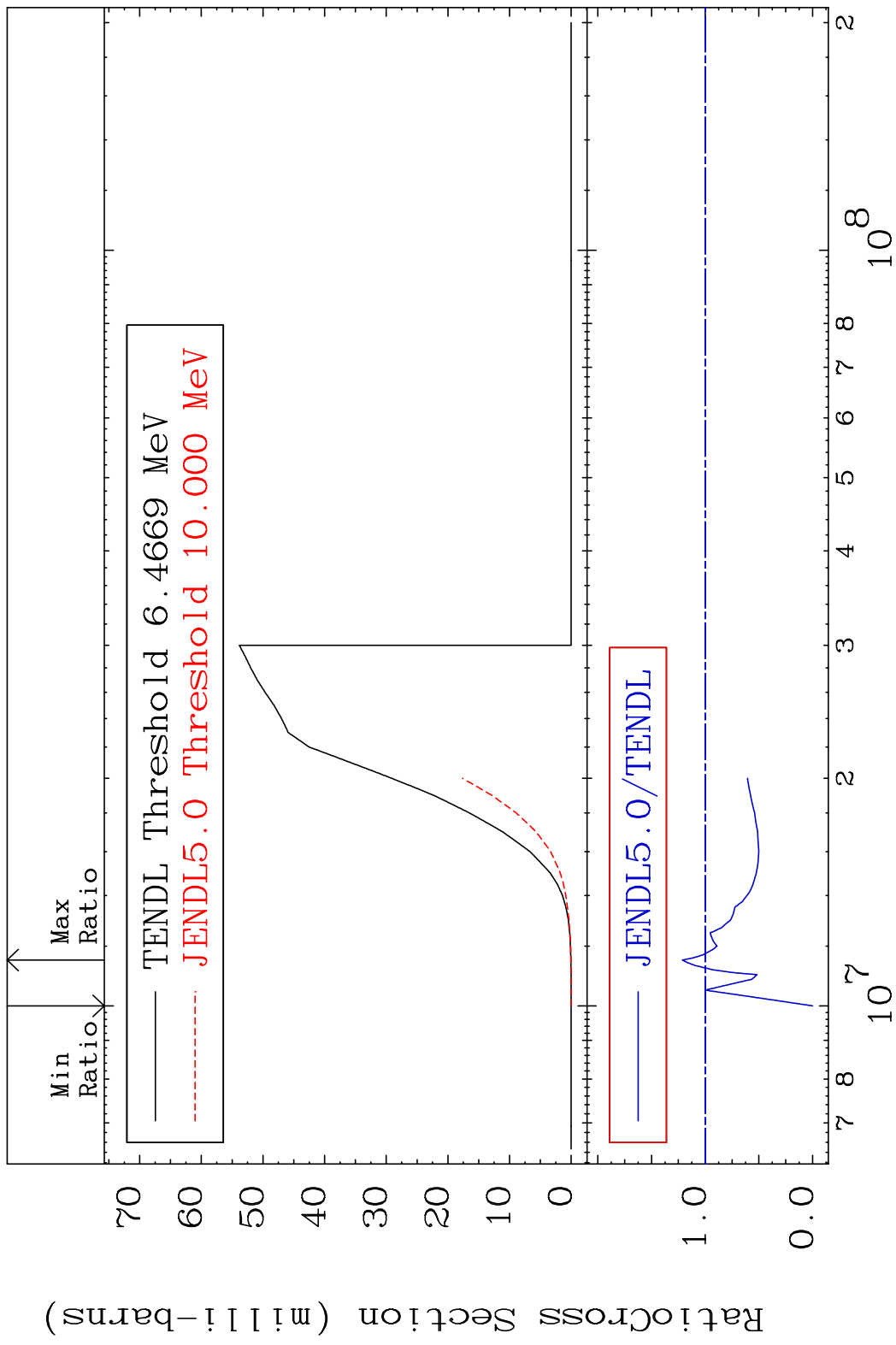


6

Incident Energy (eV)

68-Er-162

MAT 6825 (n, n') p 68-Er-162
 Cross Section -100.0 To 21.30 %



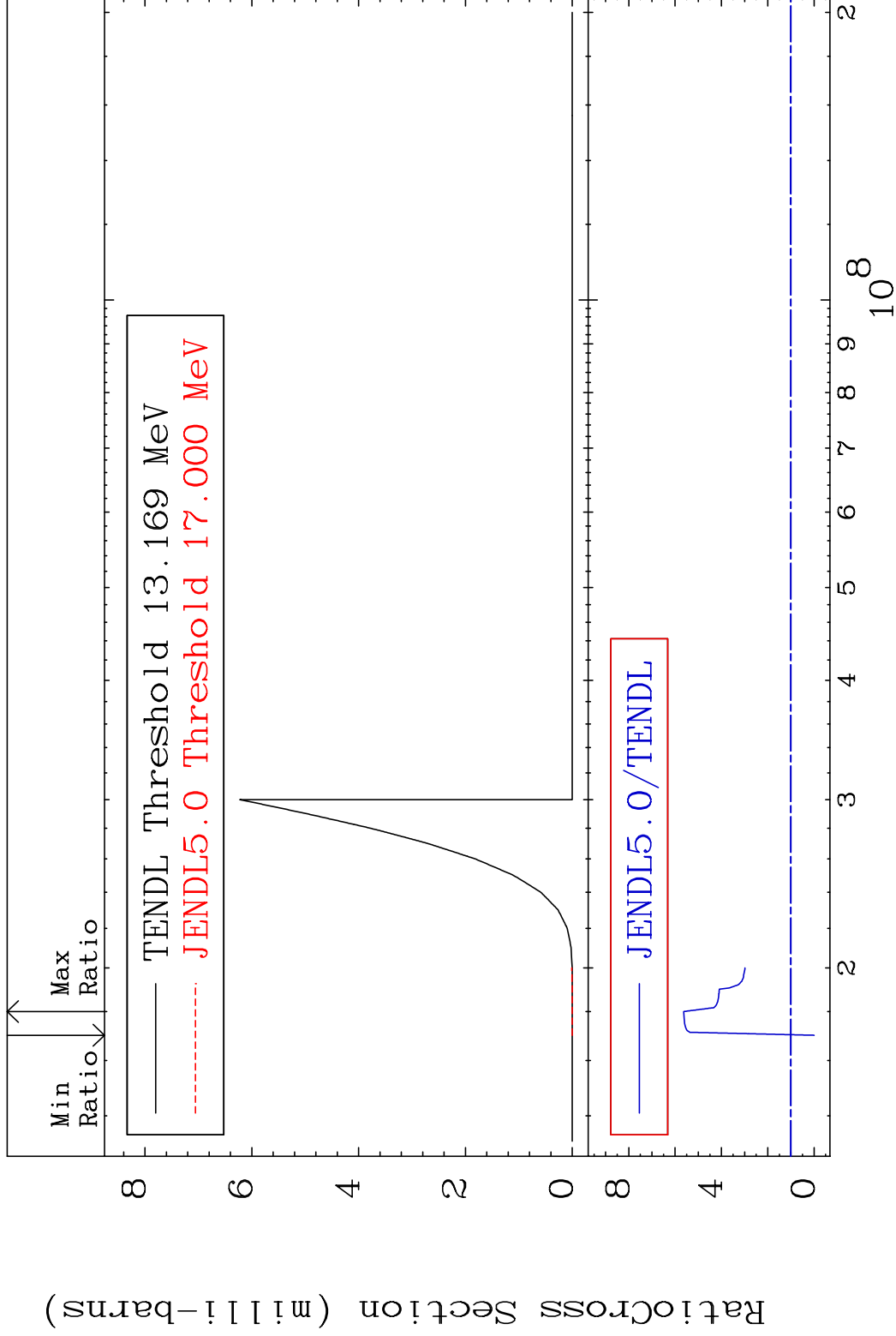
7 Incident Energy (eV) 68-Er-162

MAT 6825

(n, n') d

68-Er-162

Cross Section -100.0 To 463.1 %

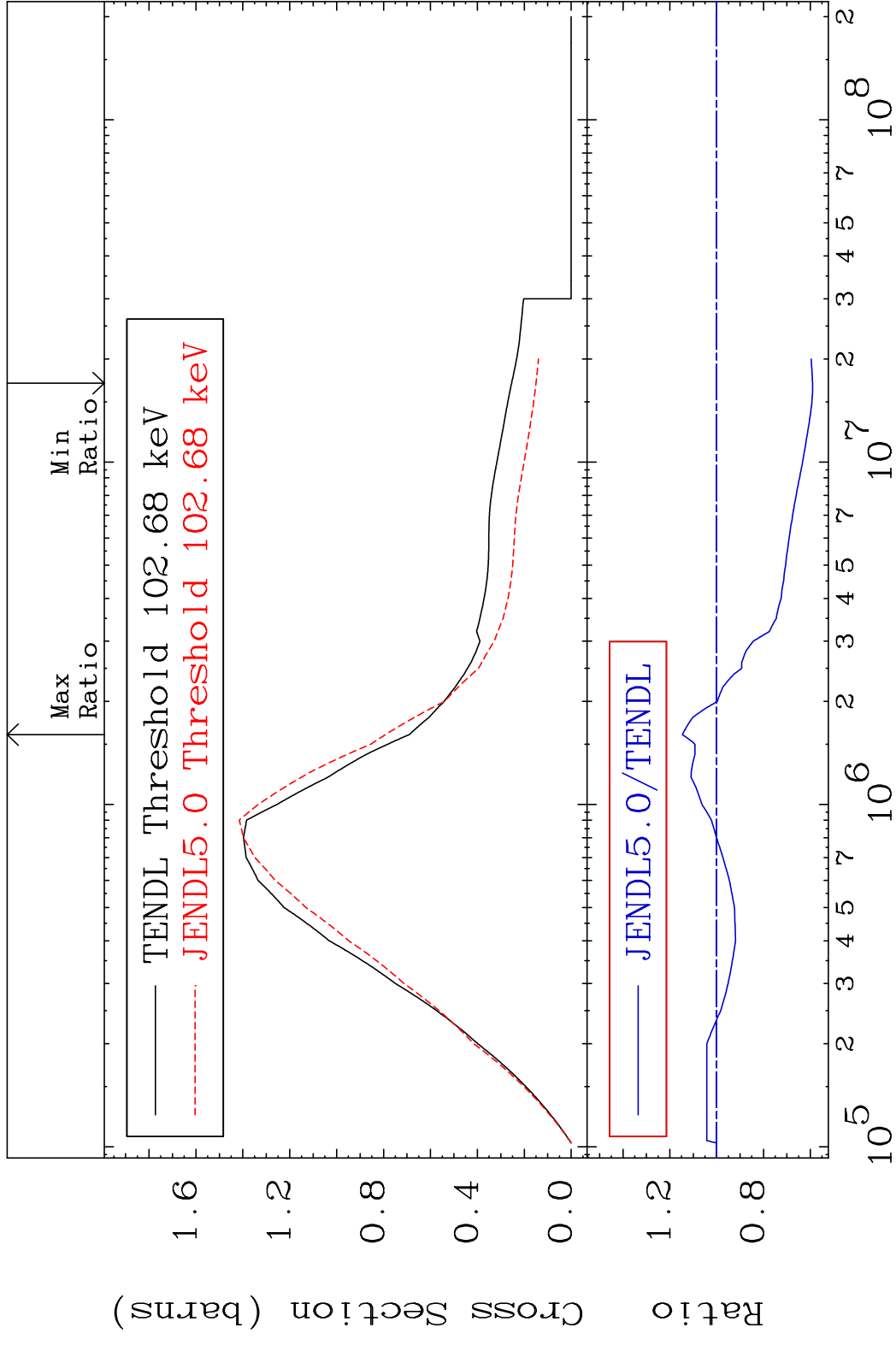


8

Incident Energy (eV)

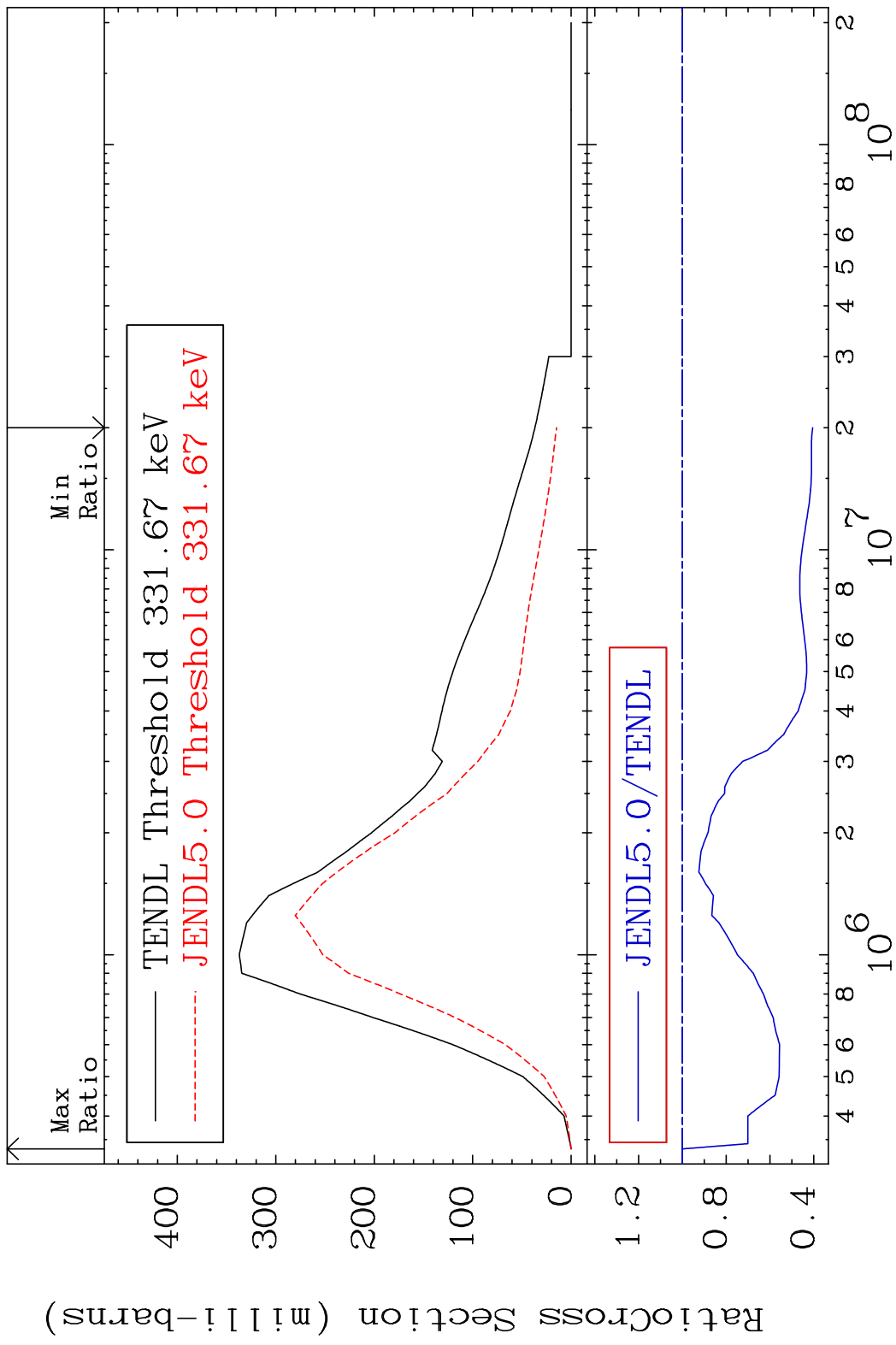
68-Er-162

MAT 6825 MT= 51 (n, n') Level 68-Er-162
 Cross Section -40.96 To 14.65 %



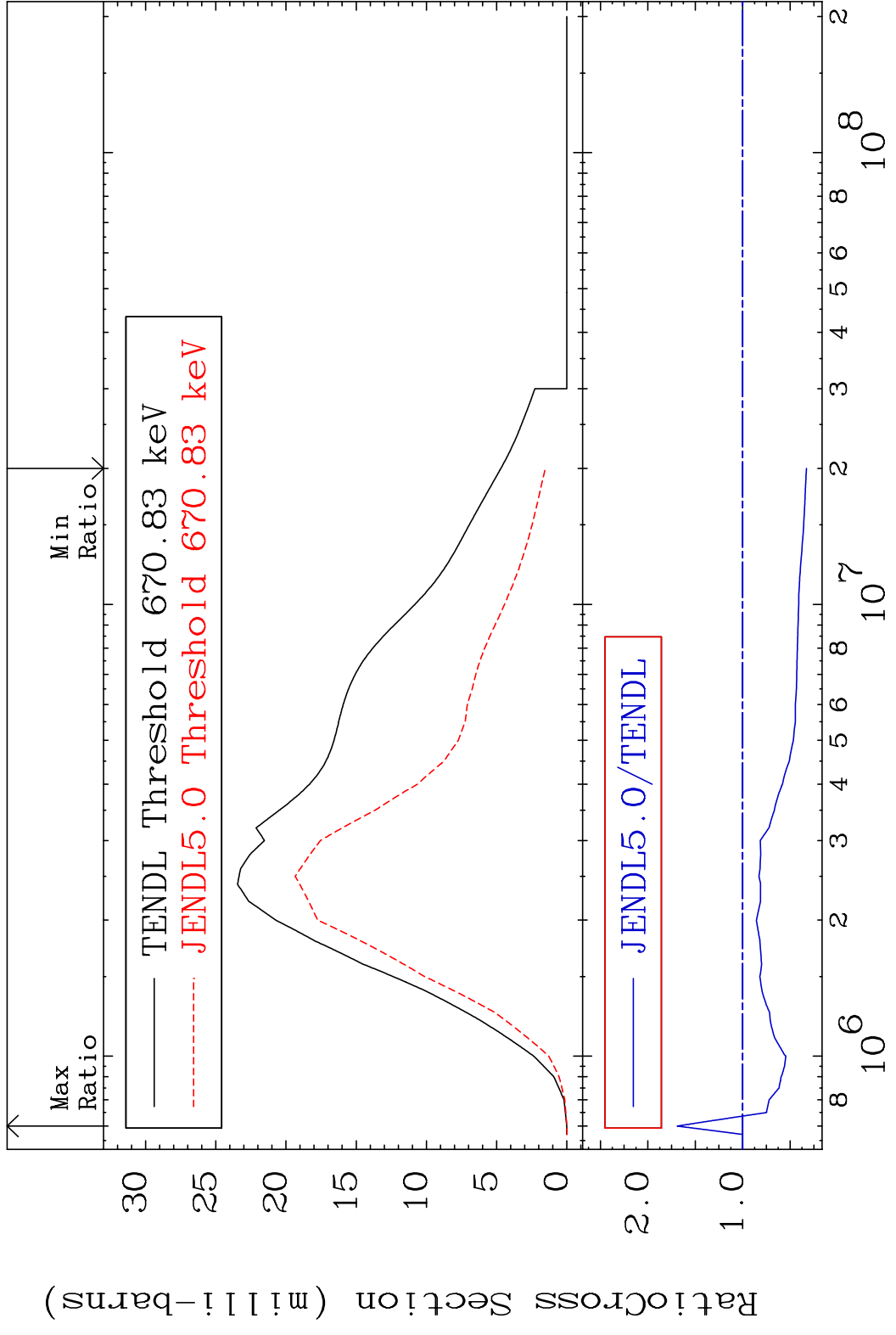
9 Incident Energy (eV) 68-Er-162

MAT 6825 MT= 52 (n, n') Level 68-Er-162
 Cross Section -59.48 To 0.000 %

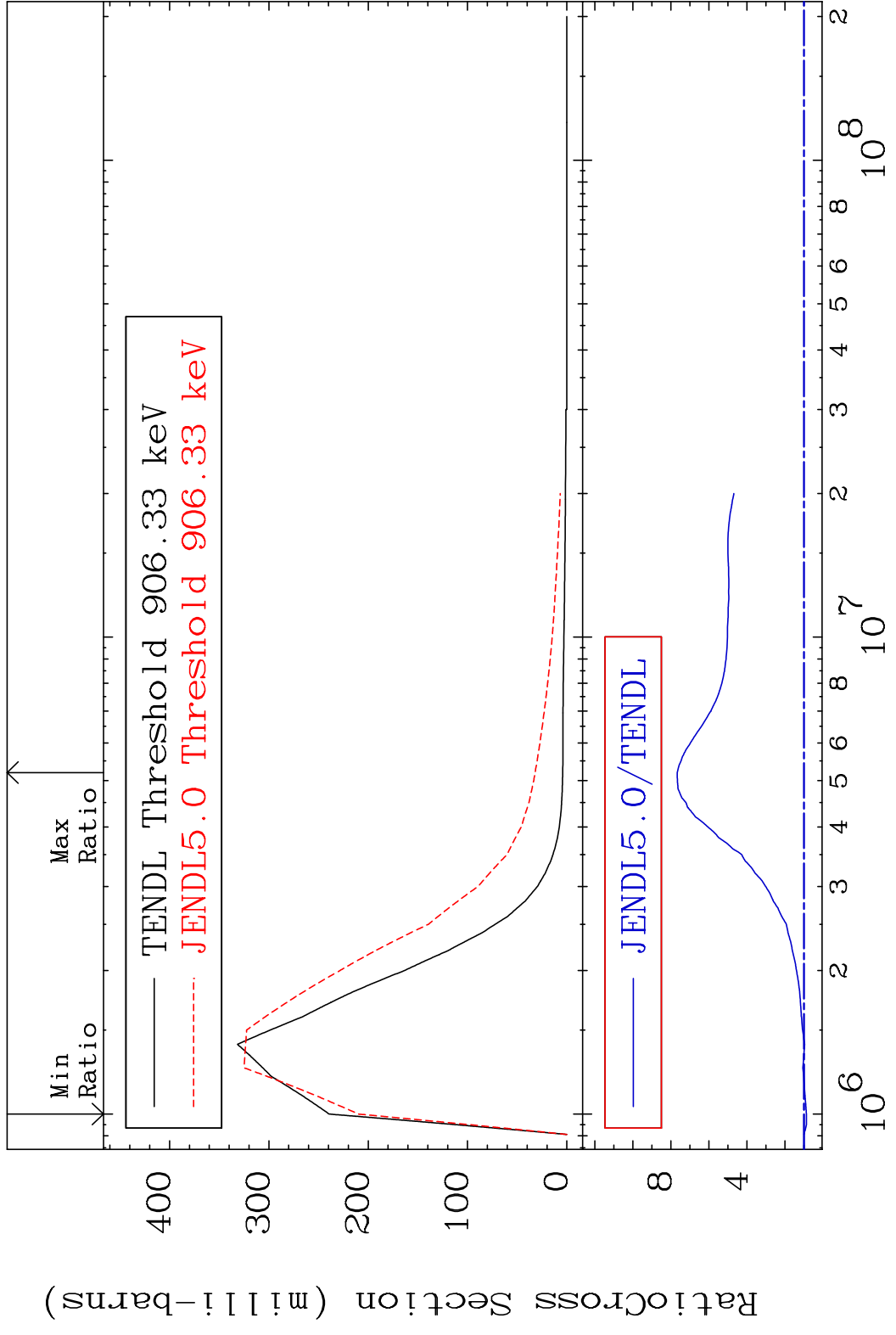


10 Incident Energy (eV) 68-Er-162

MAT 6825 MT= 53 (n, n') Level 68-Er-162
 Cross Section -67.16 To 69.05 %

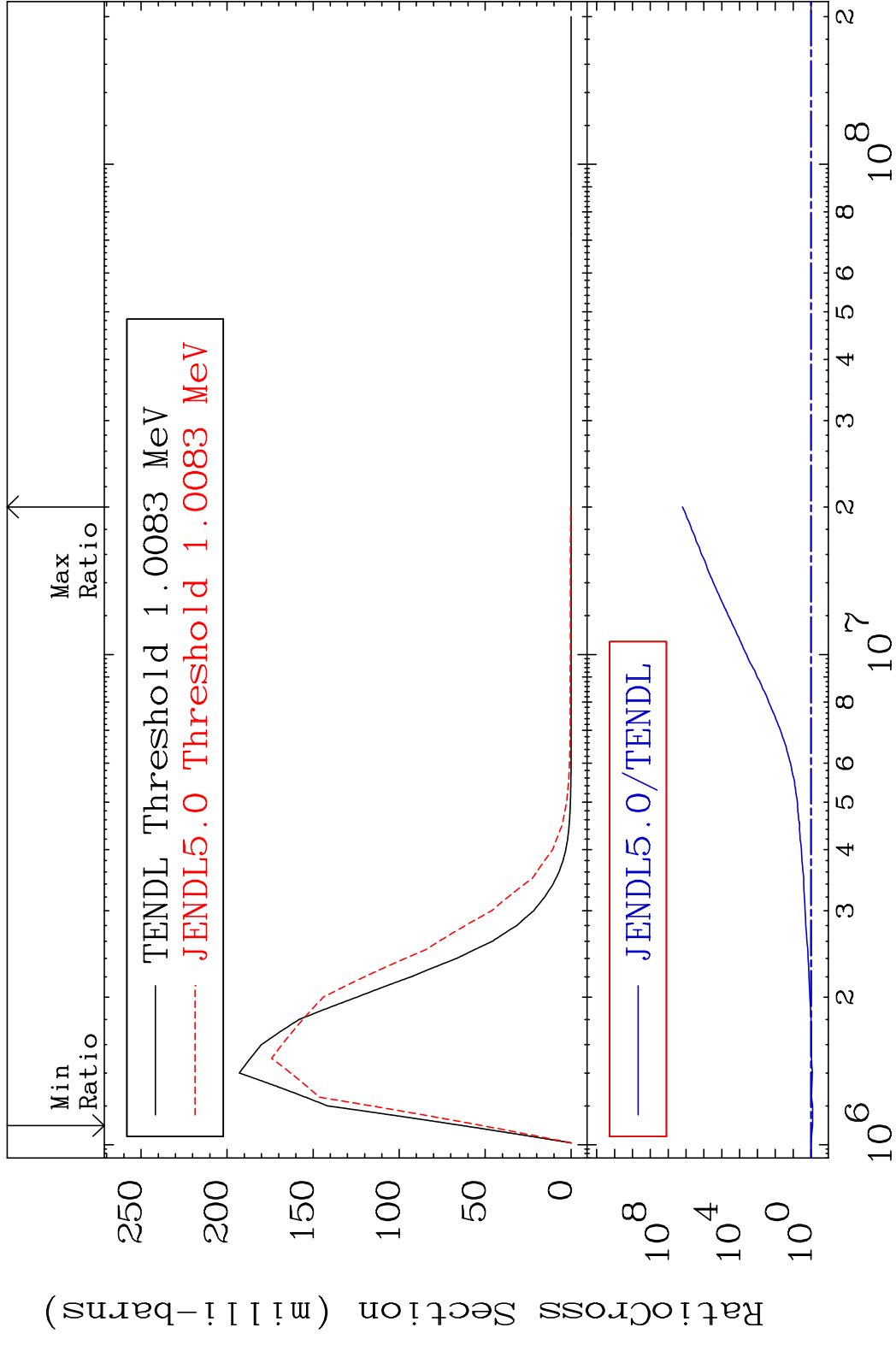


MAT 6825 MT= 54 (n, n') Level 68-Er-162
 Cross Section -12.29 To 666.7 %



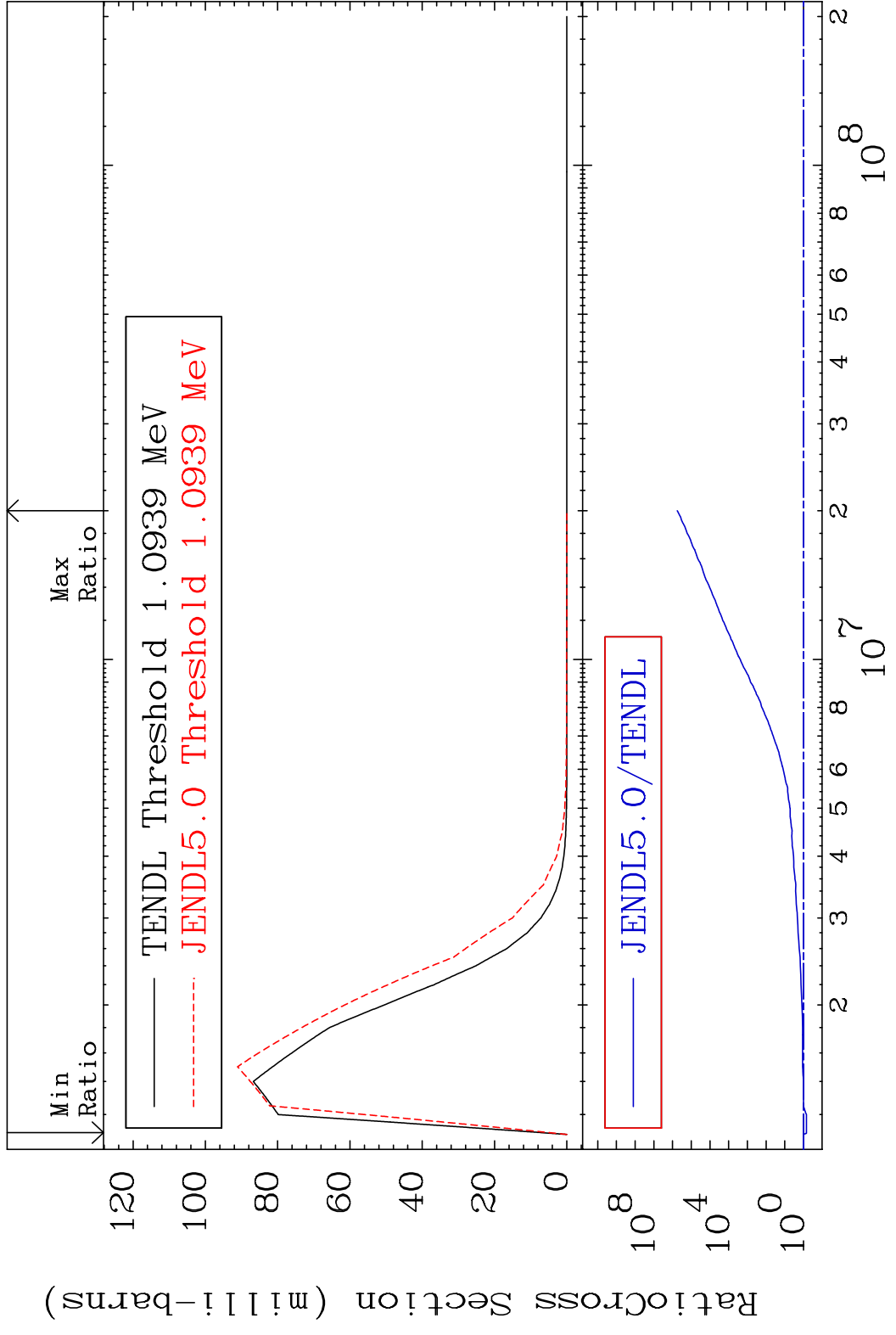
12 Incident Energy (eV) 68-Er-162

MAT 6825 MT= 55 (n, n') Level 68-Er-162
 Cross Section -18.02 To 9999. %

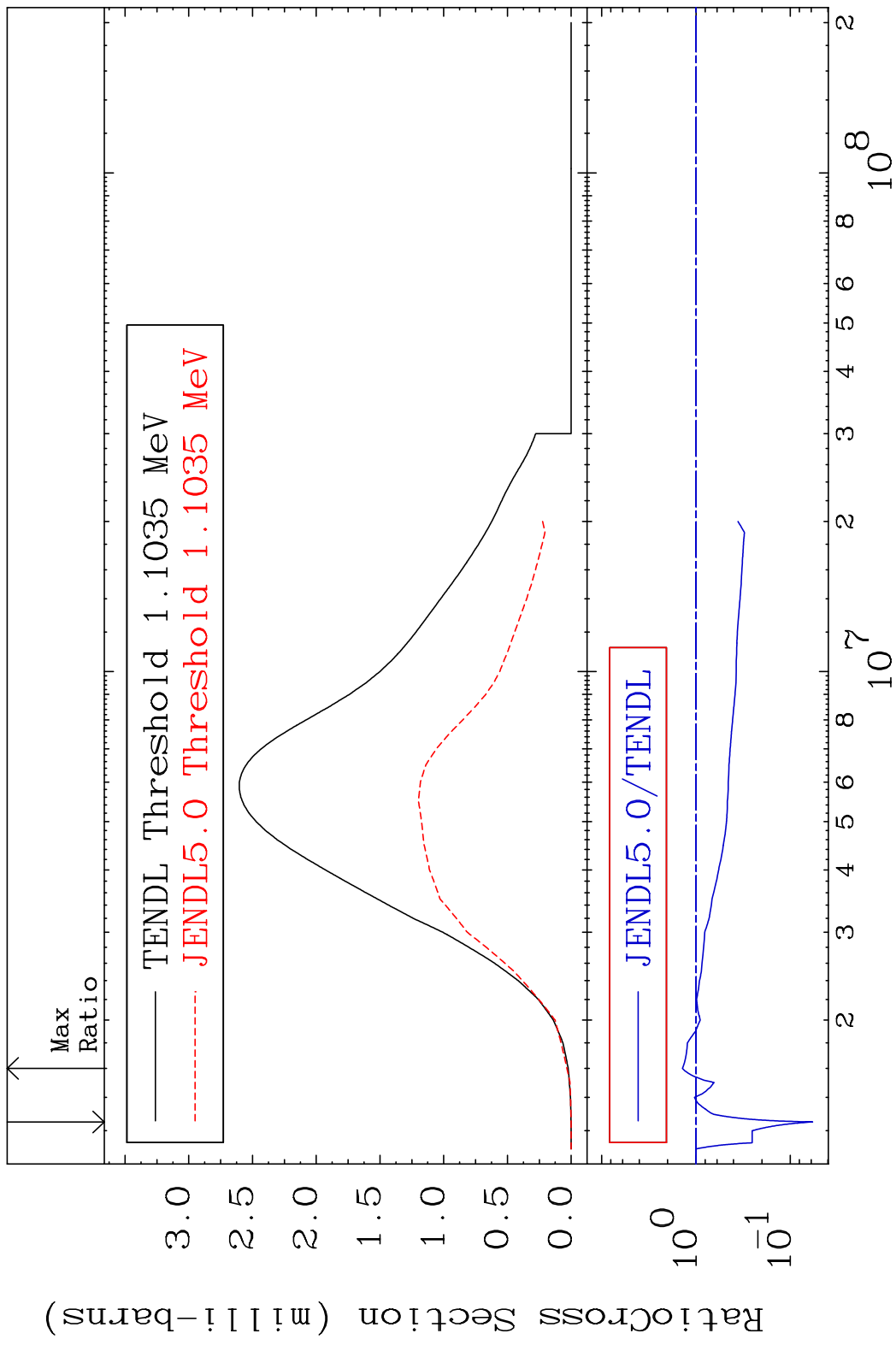


13 Incident Energy (eV) 68-Er-162

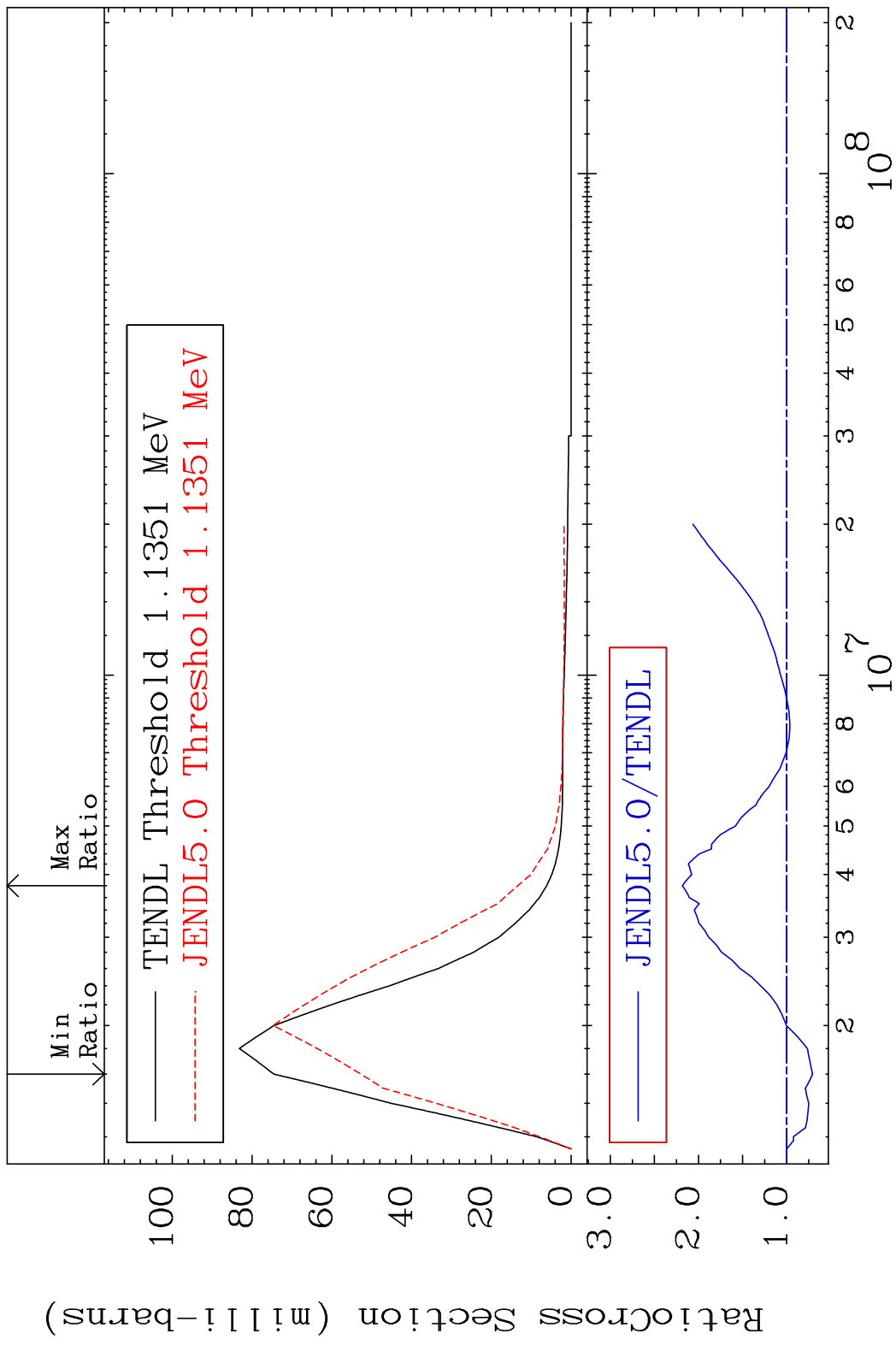
MAT 6825 MT= 56 (n, n') Level 68-Er-162
 Cross Section -30.03 To 9999. %



MAT 6825 MT= 57 (n, n') Level 68-Er-162
 Cross Section -94.19 To 39.65 %

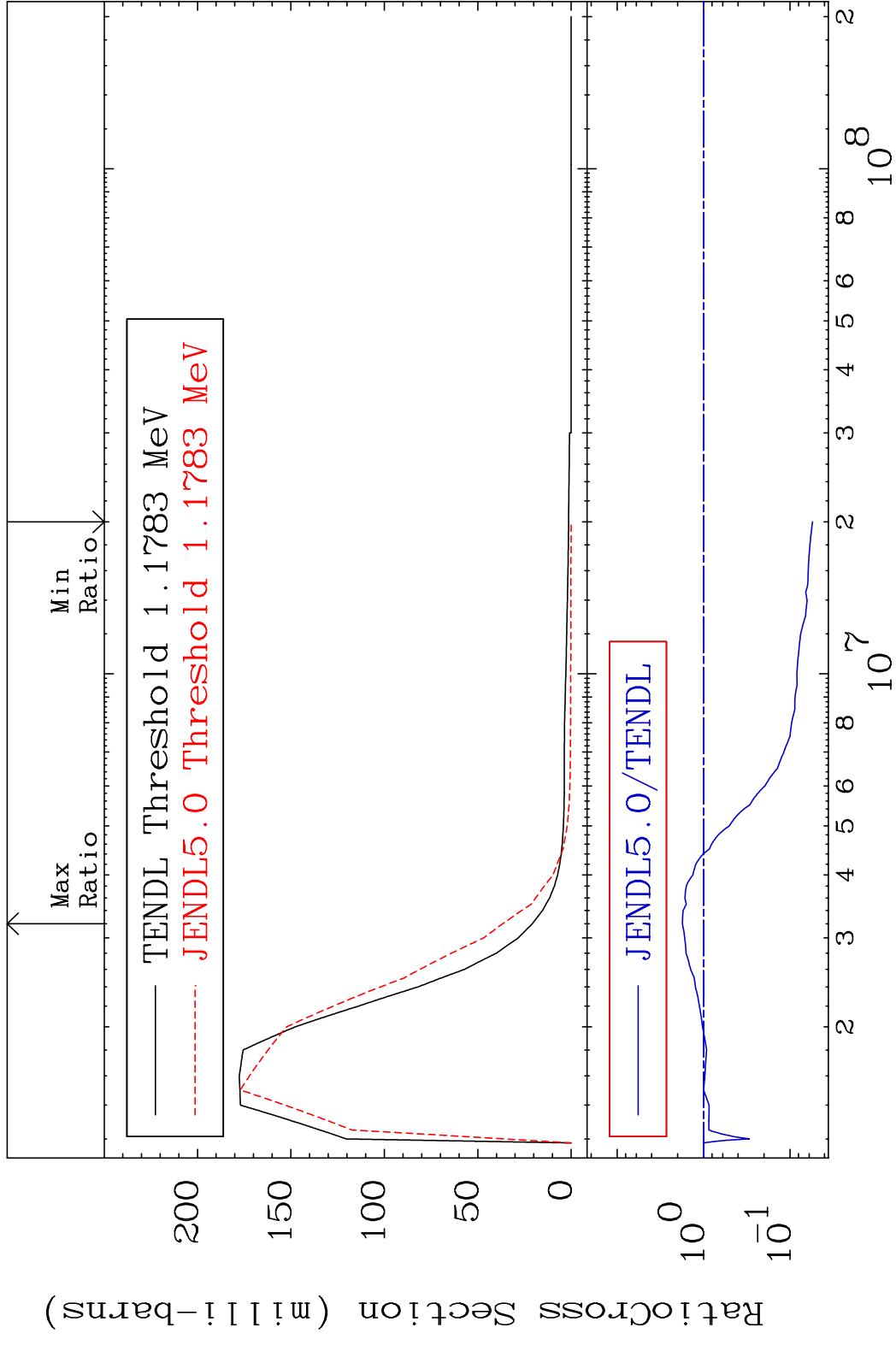


MAT 6825 MT= 58 (n, n') Level 68-Er-162
 Cross Section -29.30 To 118.3 %

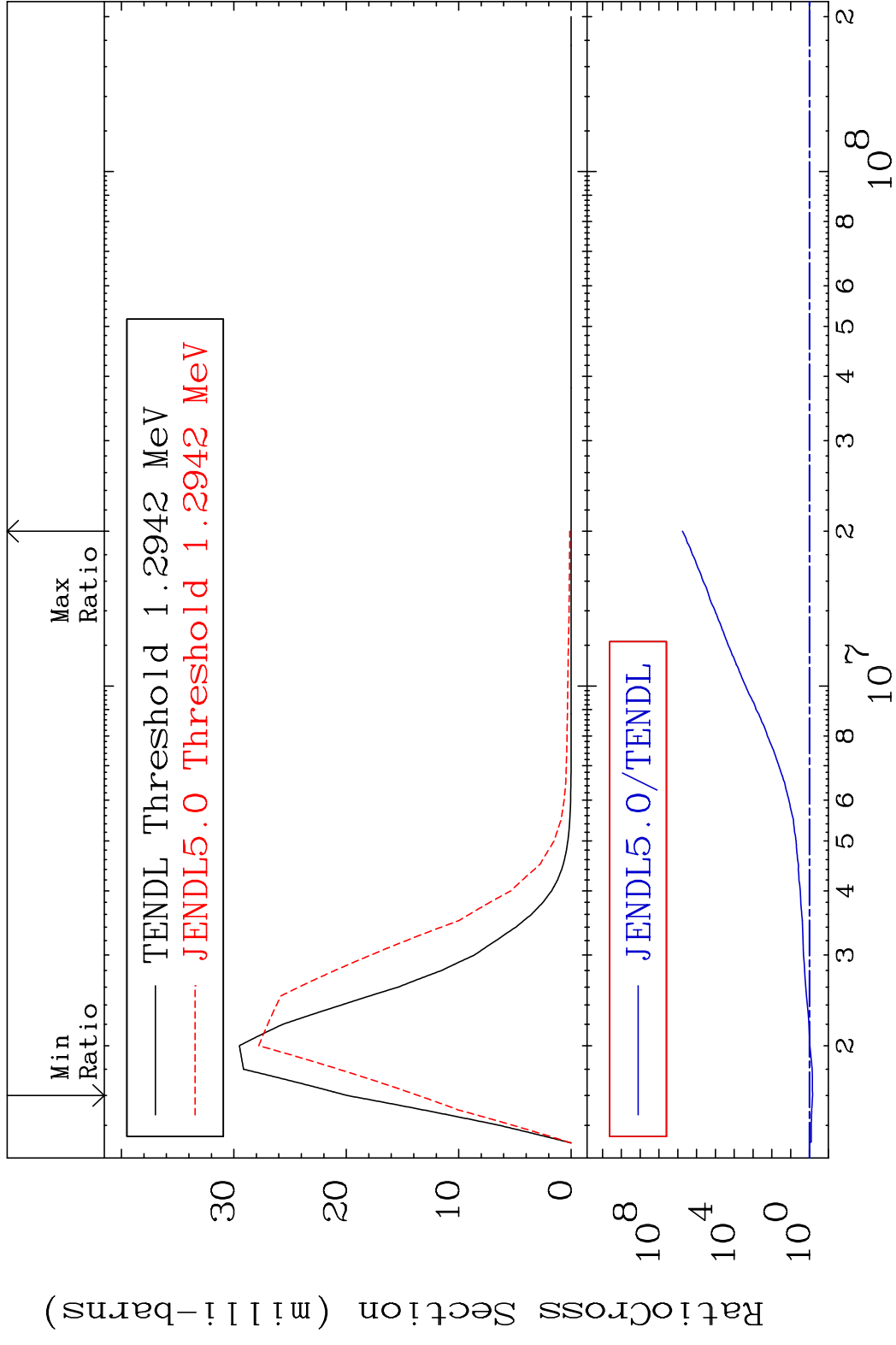


16 Incident Energy (eV) 68-Er-162

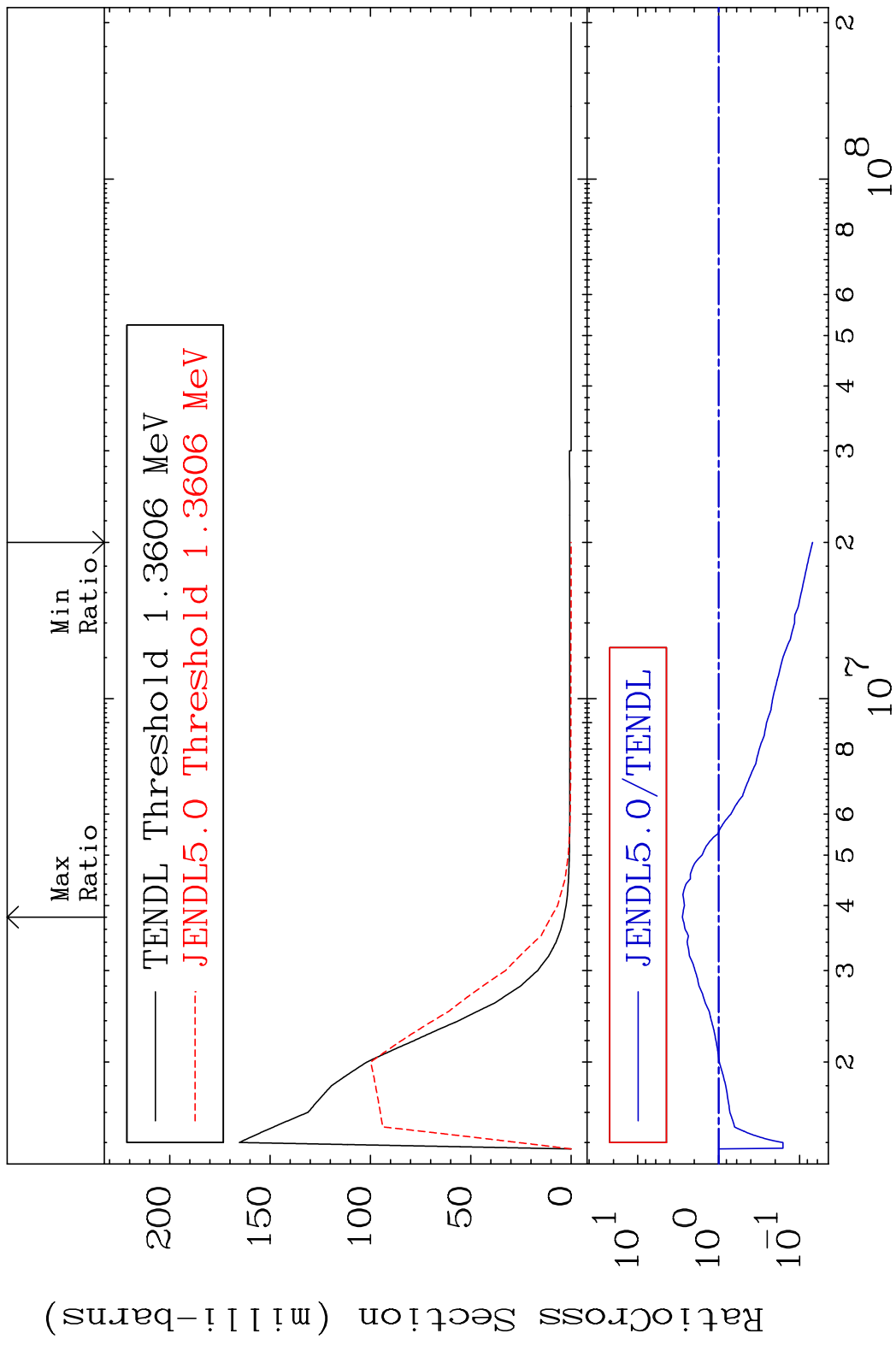
MAT 6825 MT= 59 (n, n') Level 68-Er-162
 Cross Section -94.50 To 76.33 %



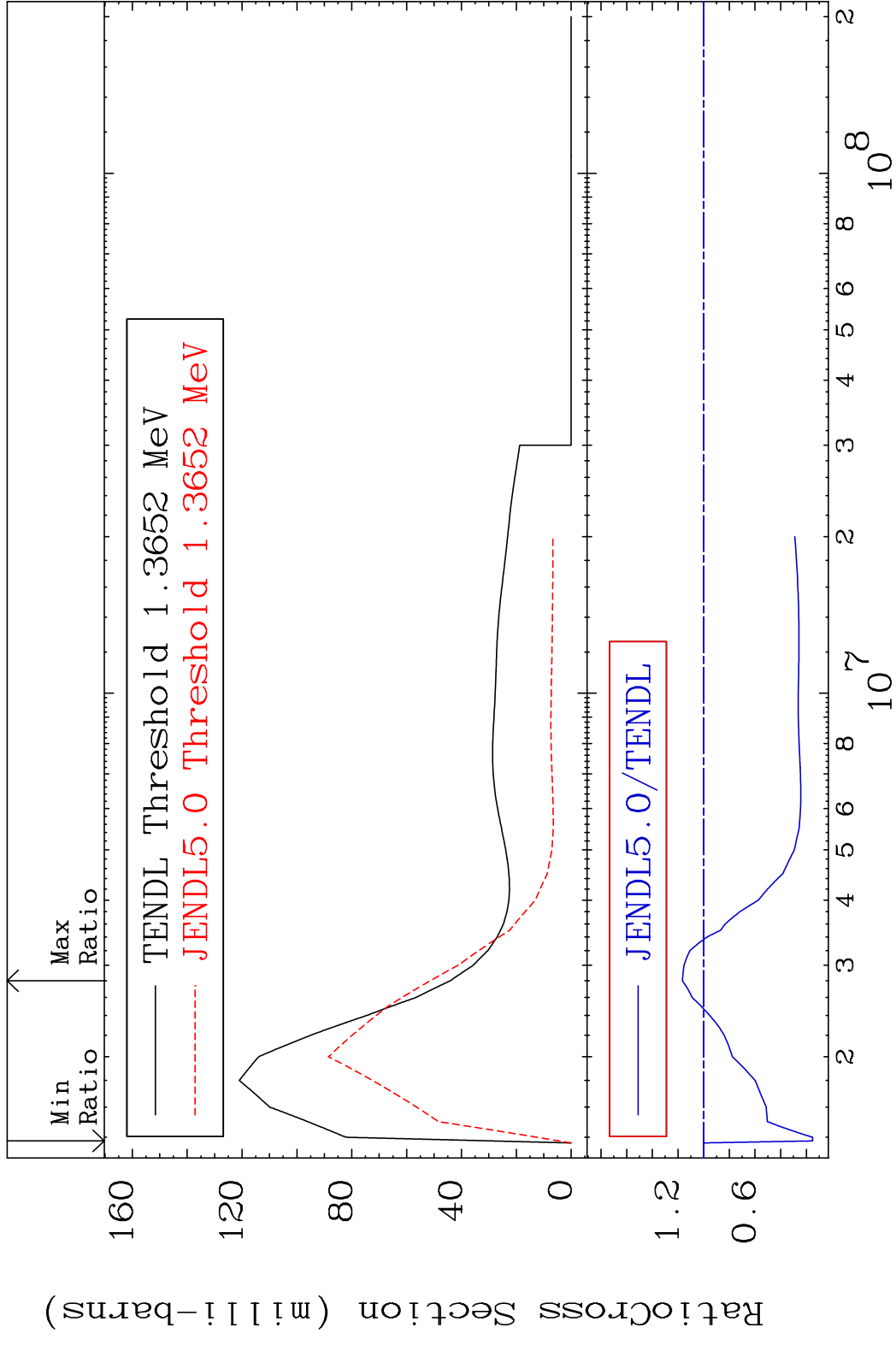
MAT 6825 MT= 60 (n, n') Level 68-Er-162
 Cross Section -31.77 To 9999. %



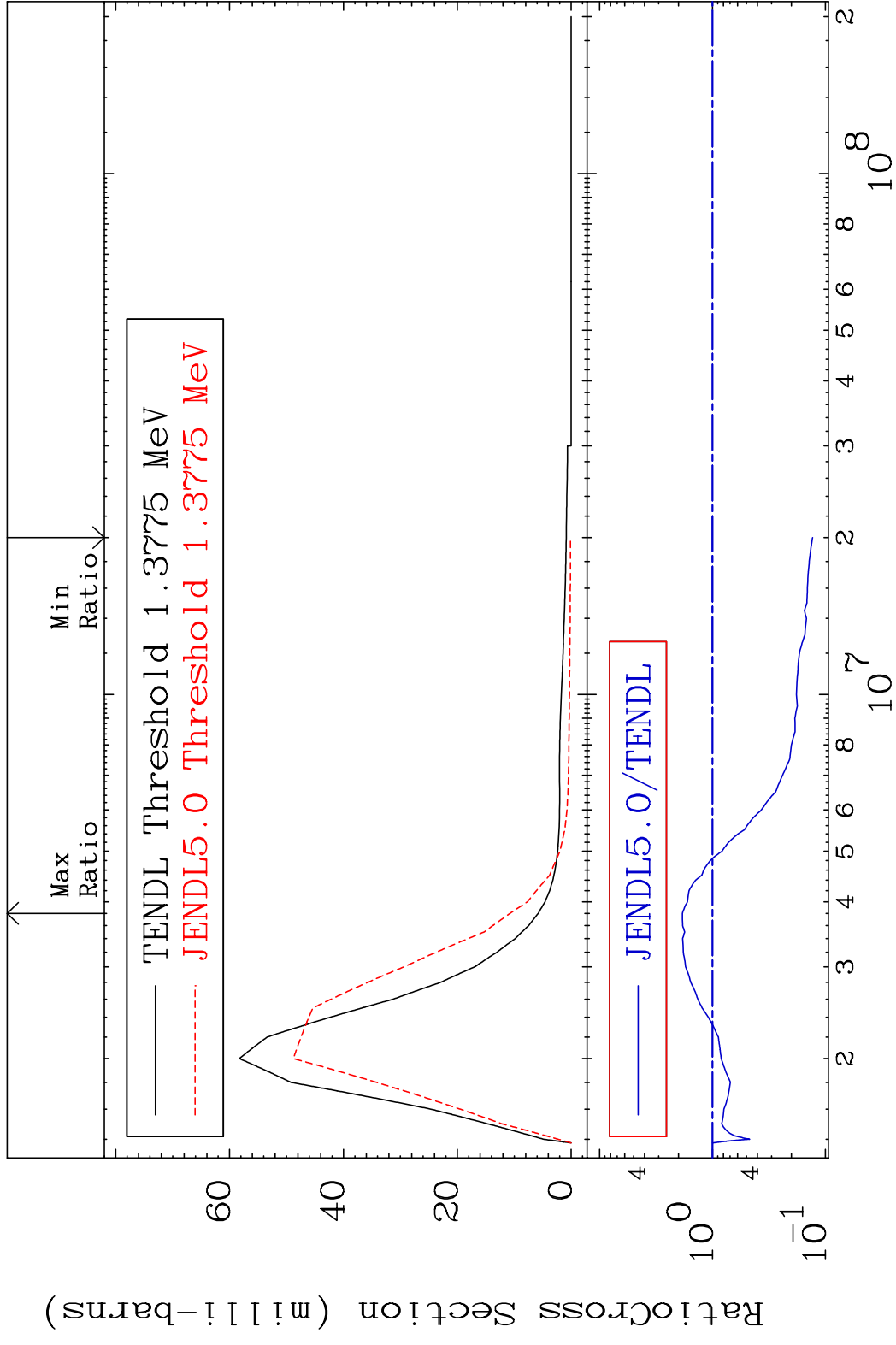
MAT 6825 MT= 61 (n, n') Level 68-Er-162
 Cross Section -93.10 To 180.9 %



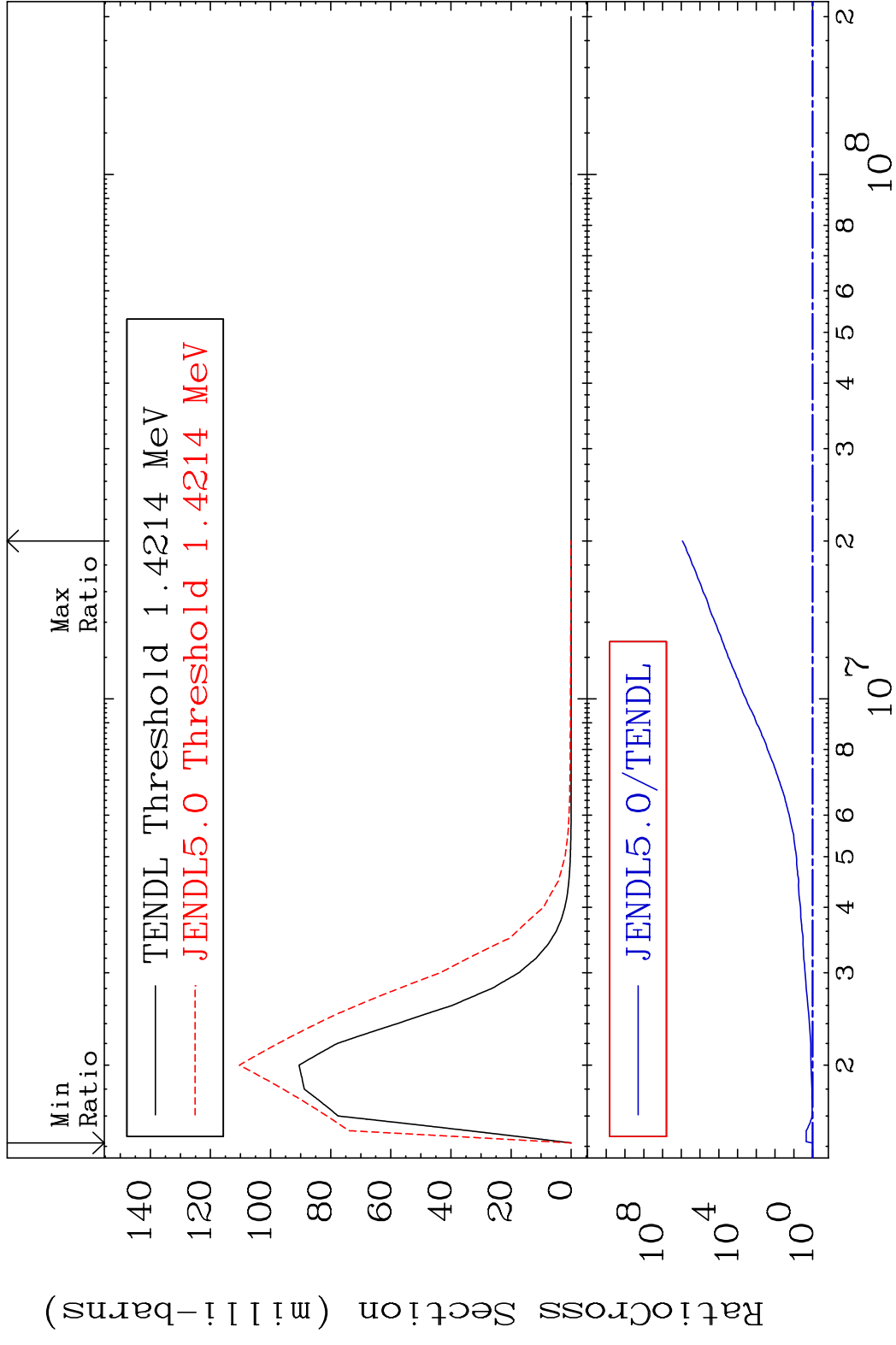
MAT 6825 MT= 62 (n,n') Level 68-Er-162
 Cross Section -84.82 To 16.61 %



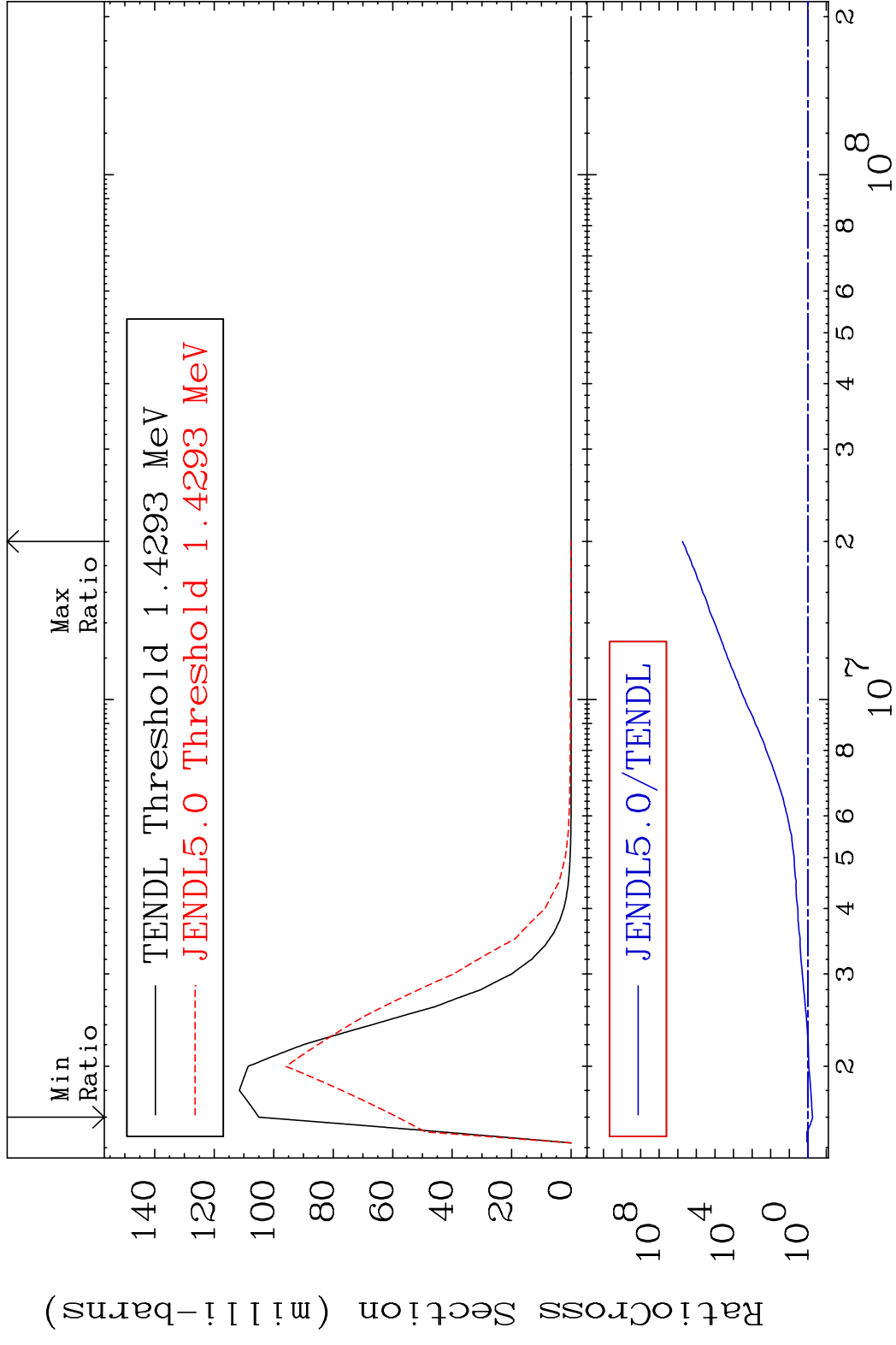
MAT 6825 MT= 63 (n, n') Level 68-Er-162
 Cross Section -87.01 To 85.08 %



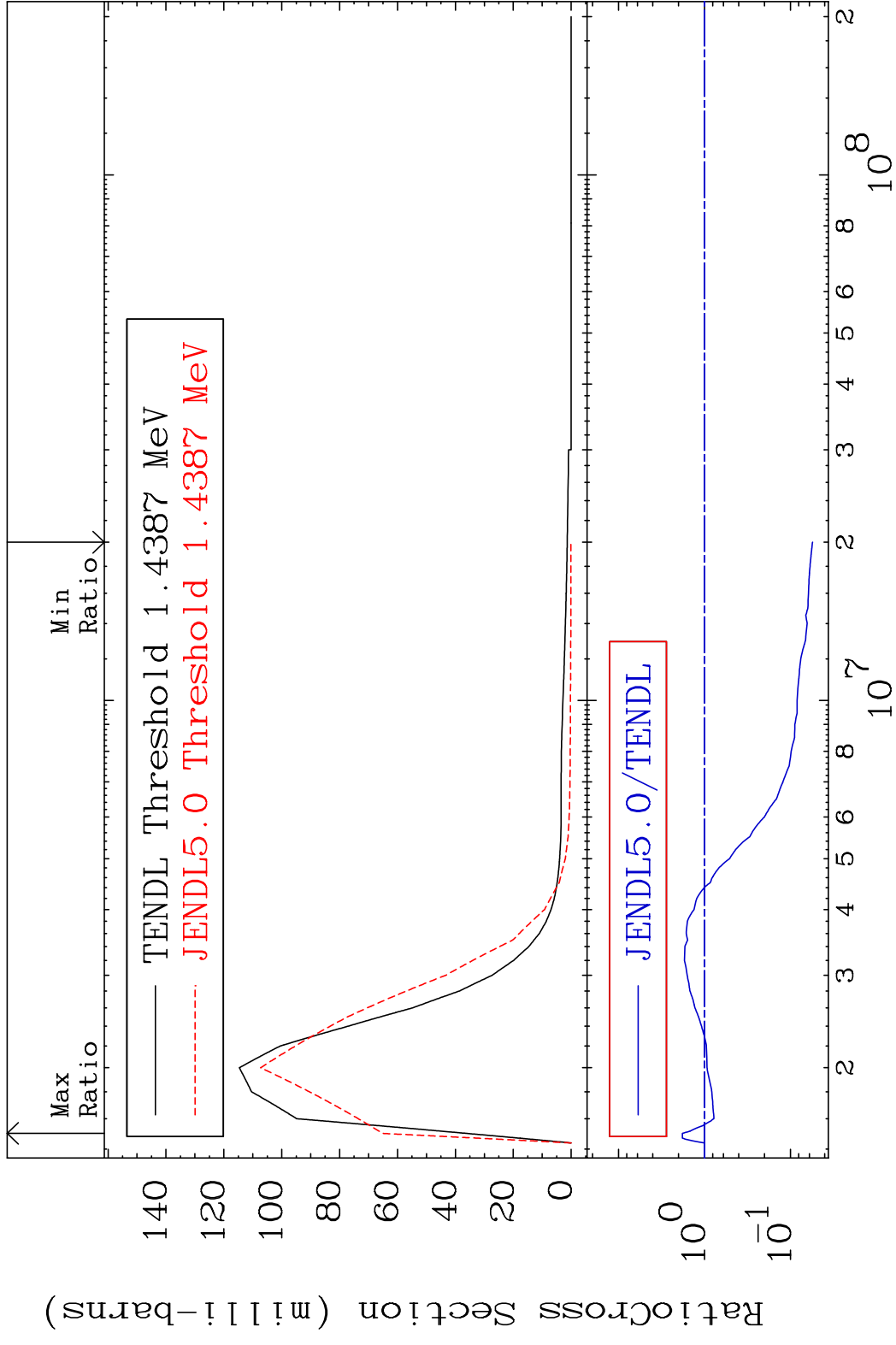
MAT 6825 MT= 64 (n, n') Level 68-Er-162
 Cross Section 0.000 To 9999. %



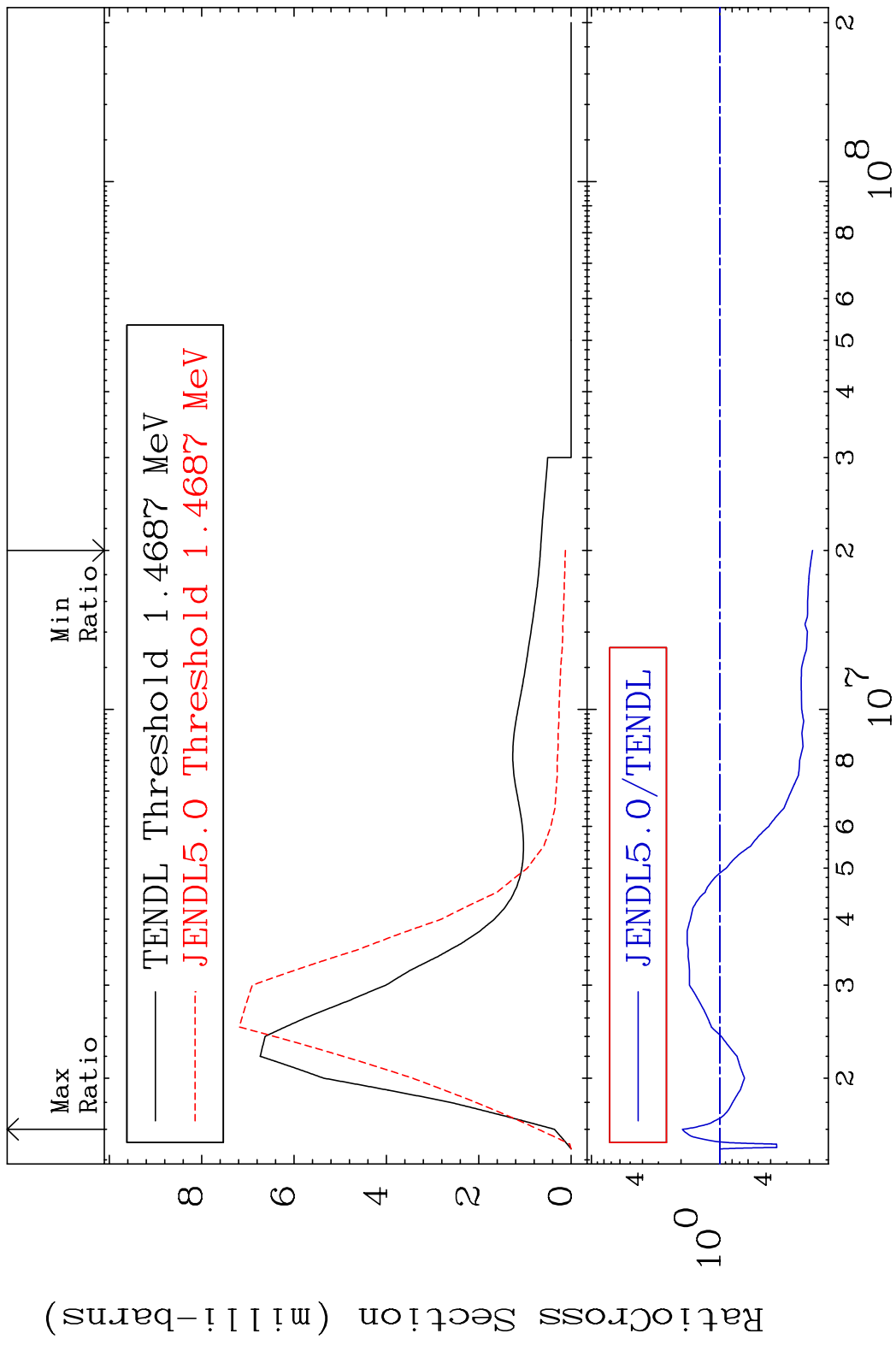
MAT 6825 MT= 65 (n,n') Level 68-Er-162
 Cross Section -44.38 To 9999. %



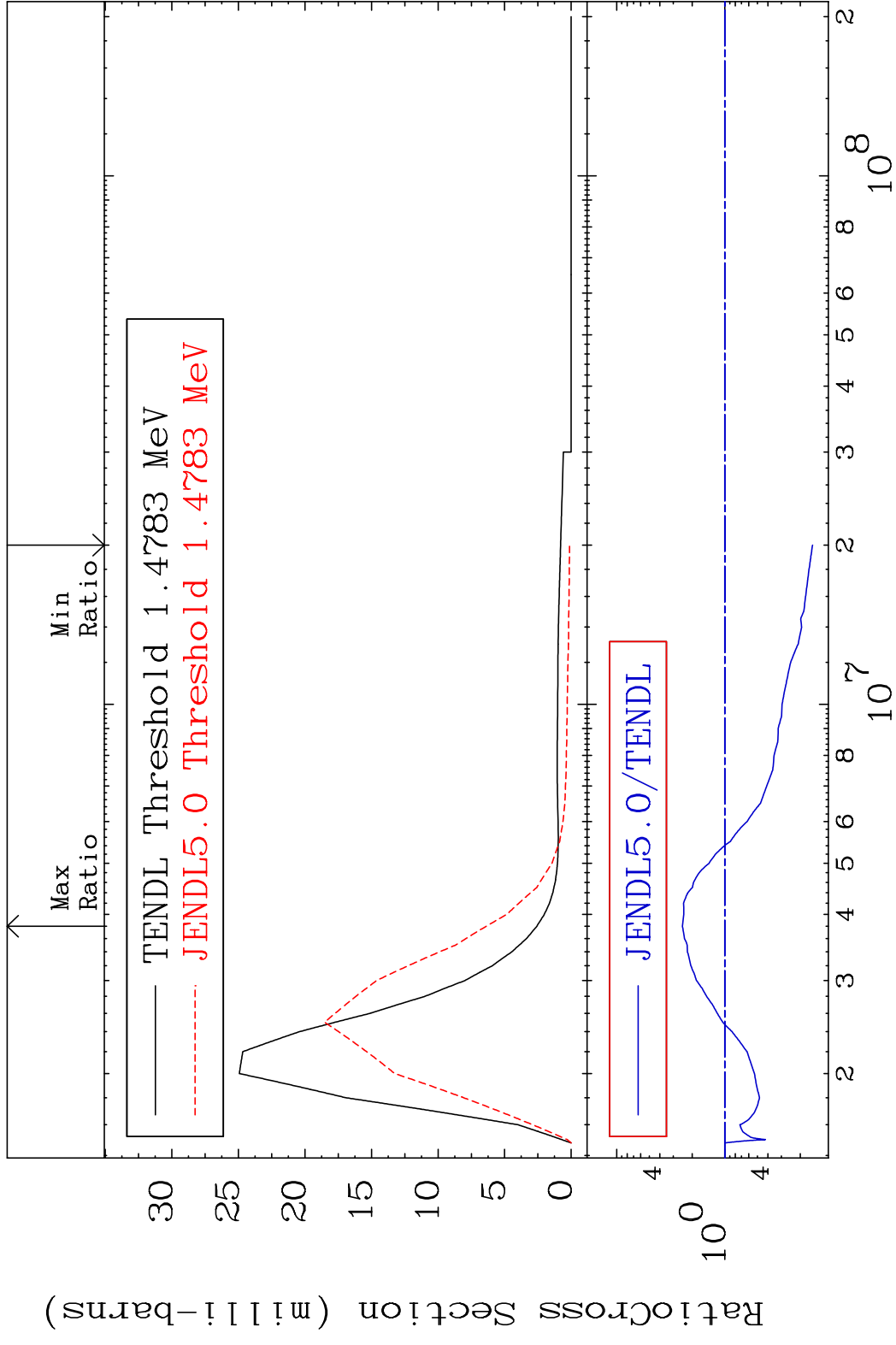
MAT 6825 MT= 66 (n, n') Level 68-Er-162
 Cross Section -94.47 To 80.68 %



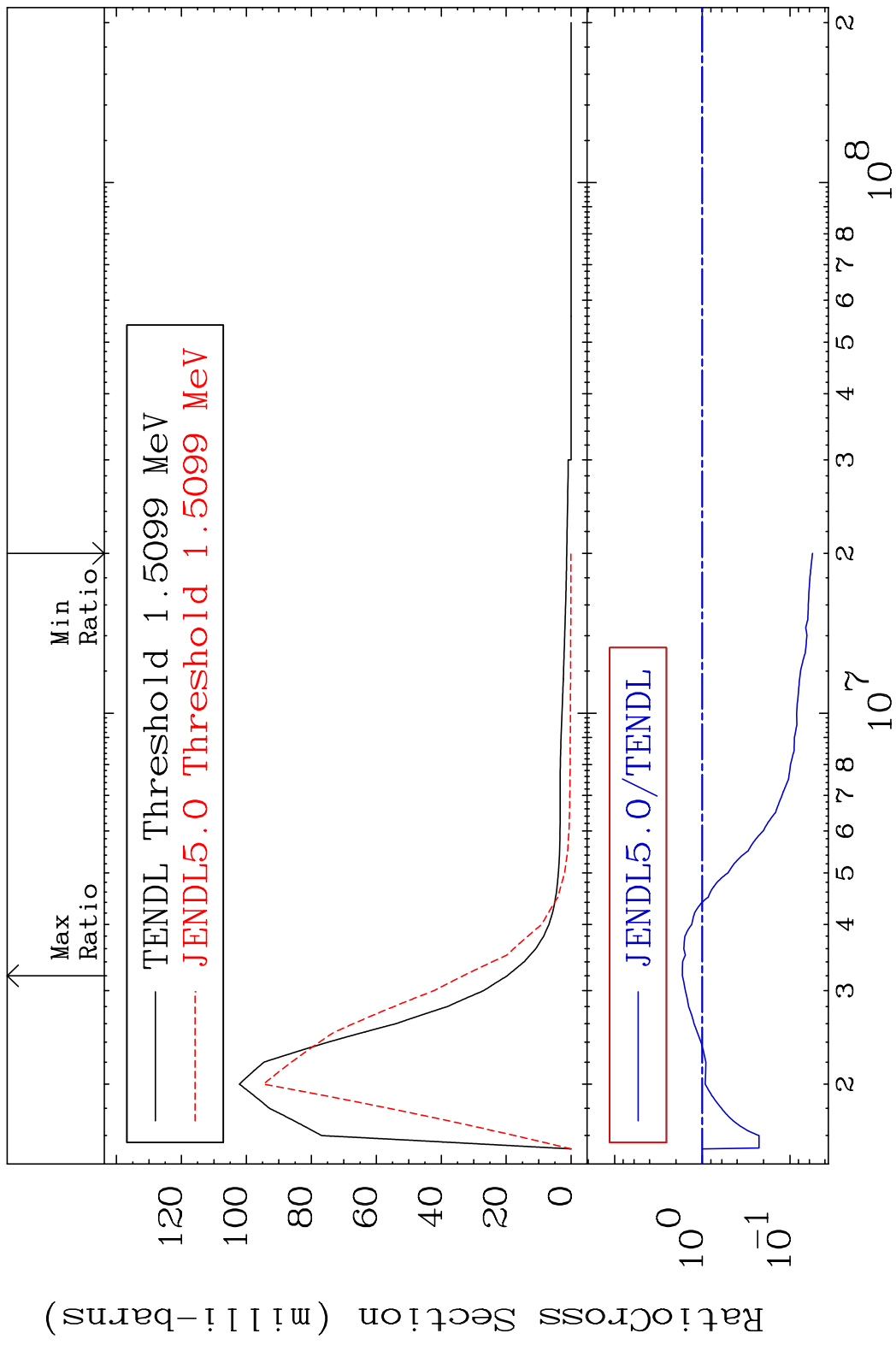
MAT 6825 MT= 67 (n, n') Level 68-Er-162
 Cross Section -81.11 To 95.58 %



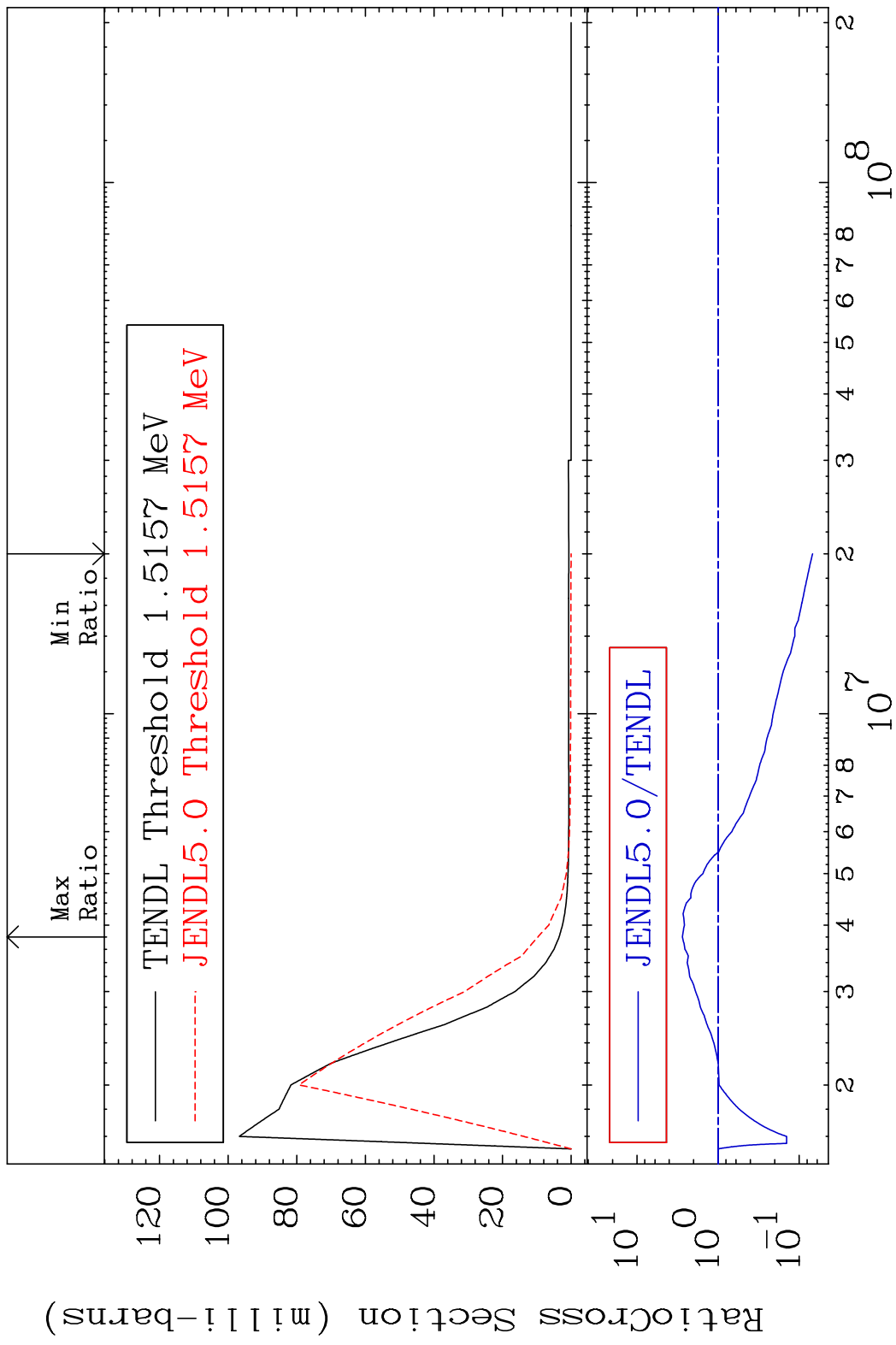
MAT 6825 MT= 68 (n, n') Level 68-Er-162
 Cross Section -84.58 To 147.2 %



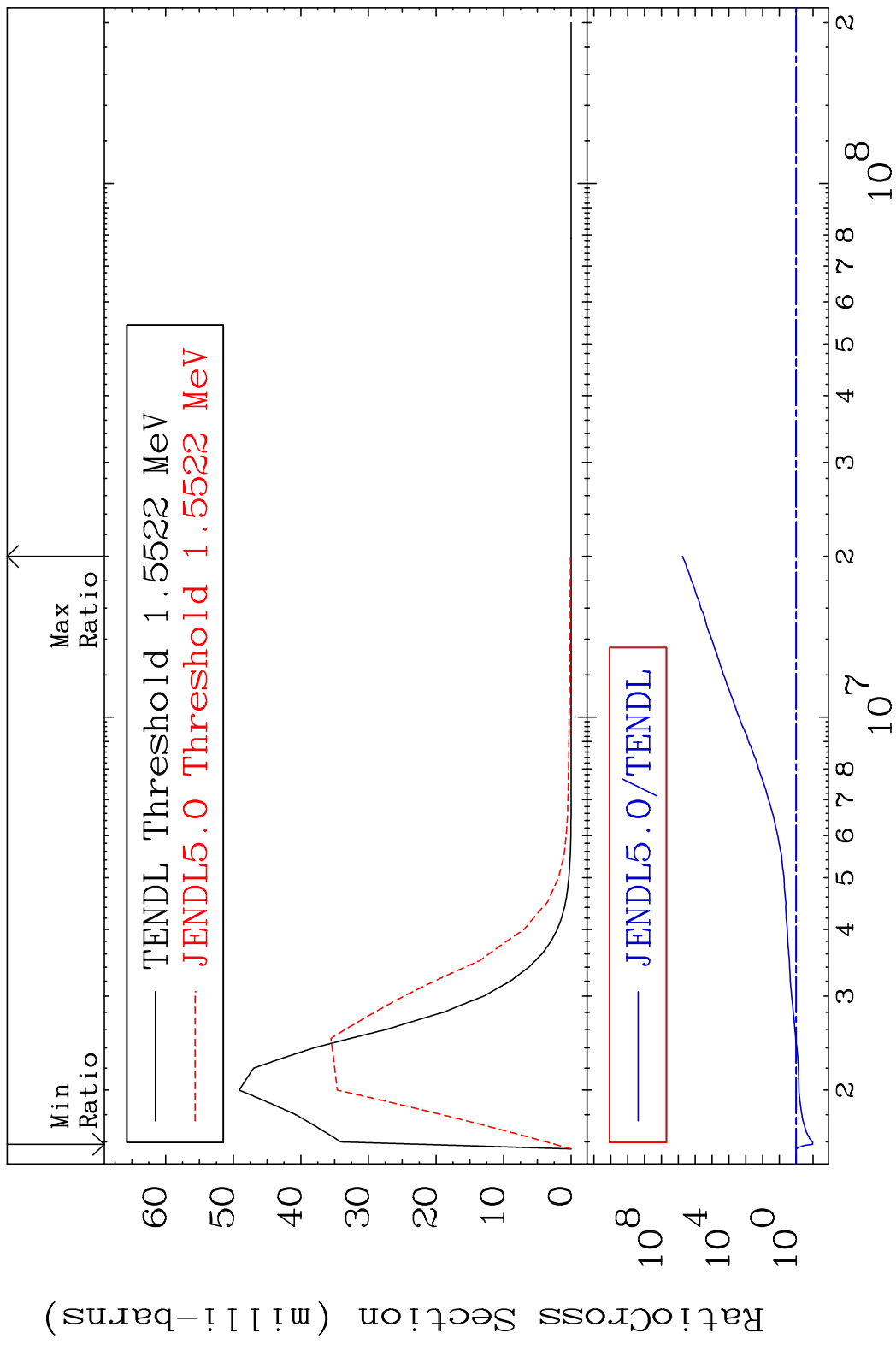
MAT 6825 MT= 69 (n, n') Level 68-Er-162
 Cross Section -94.46 To 68.91 %



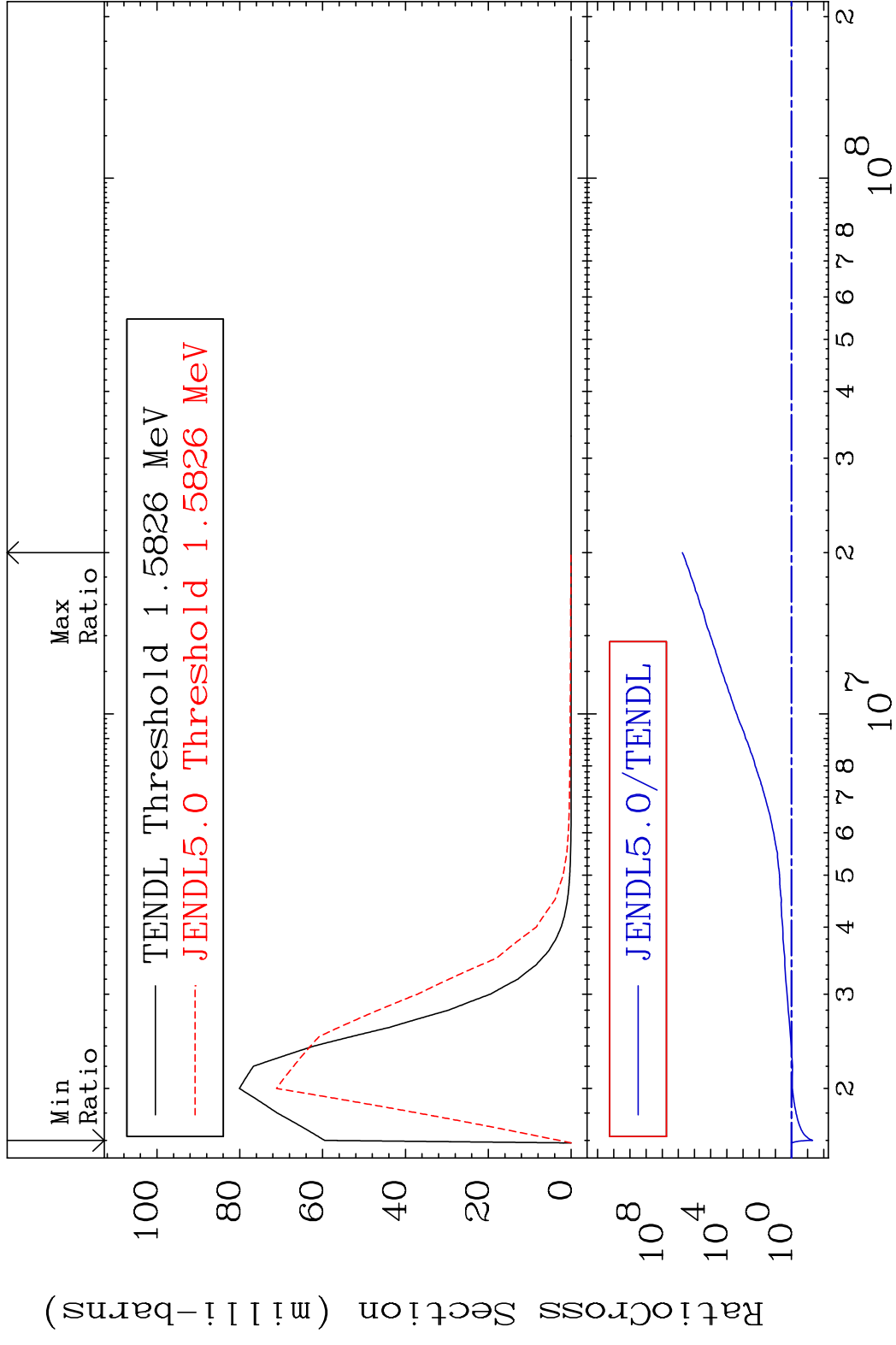
MAT 6825 MT= 70 (n,n') Level 68-Er-162
 Cross Section -93.15 To 175.7 %



MAT 6825 MT= 71 (n, n') Level 68-Er-162
 Cross Section -89.16 To 9999. %

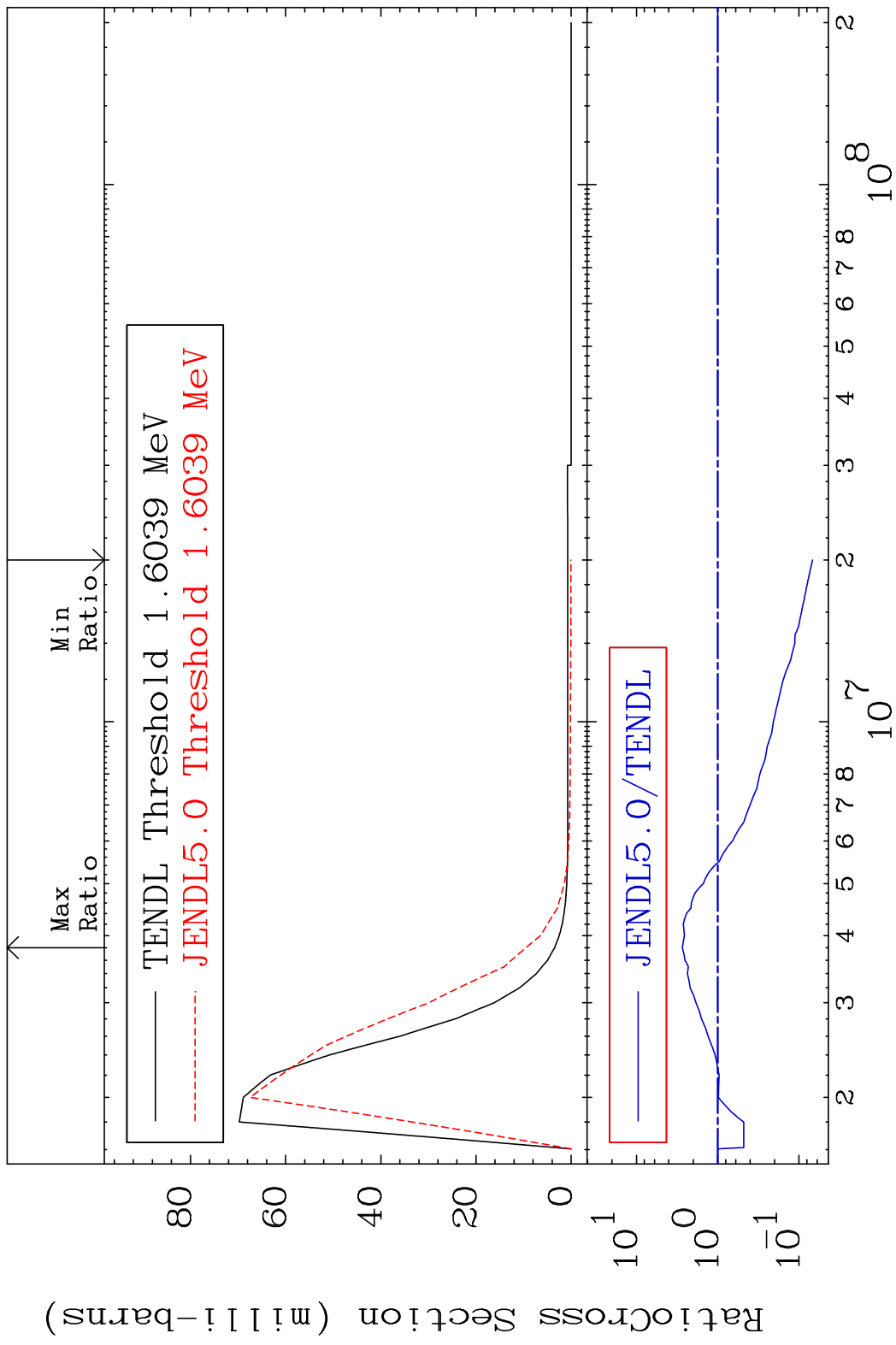


MAT 6825 MT= 72 (n, n') Level 68-Er-162
 Cross Section -95.03 To 9999. %

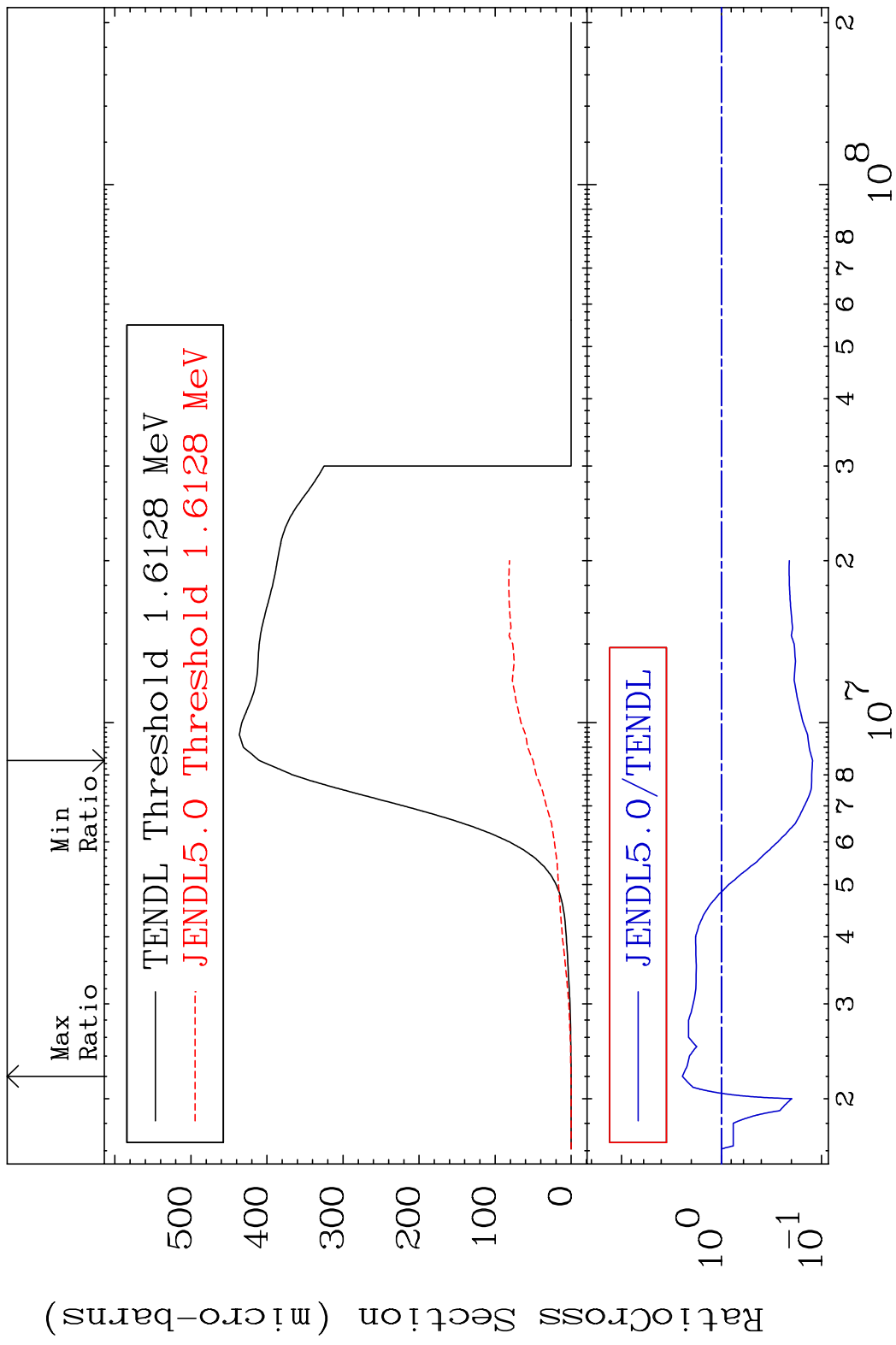


30 Incident Energy (eV) 68-Er-162

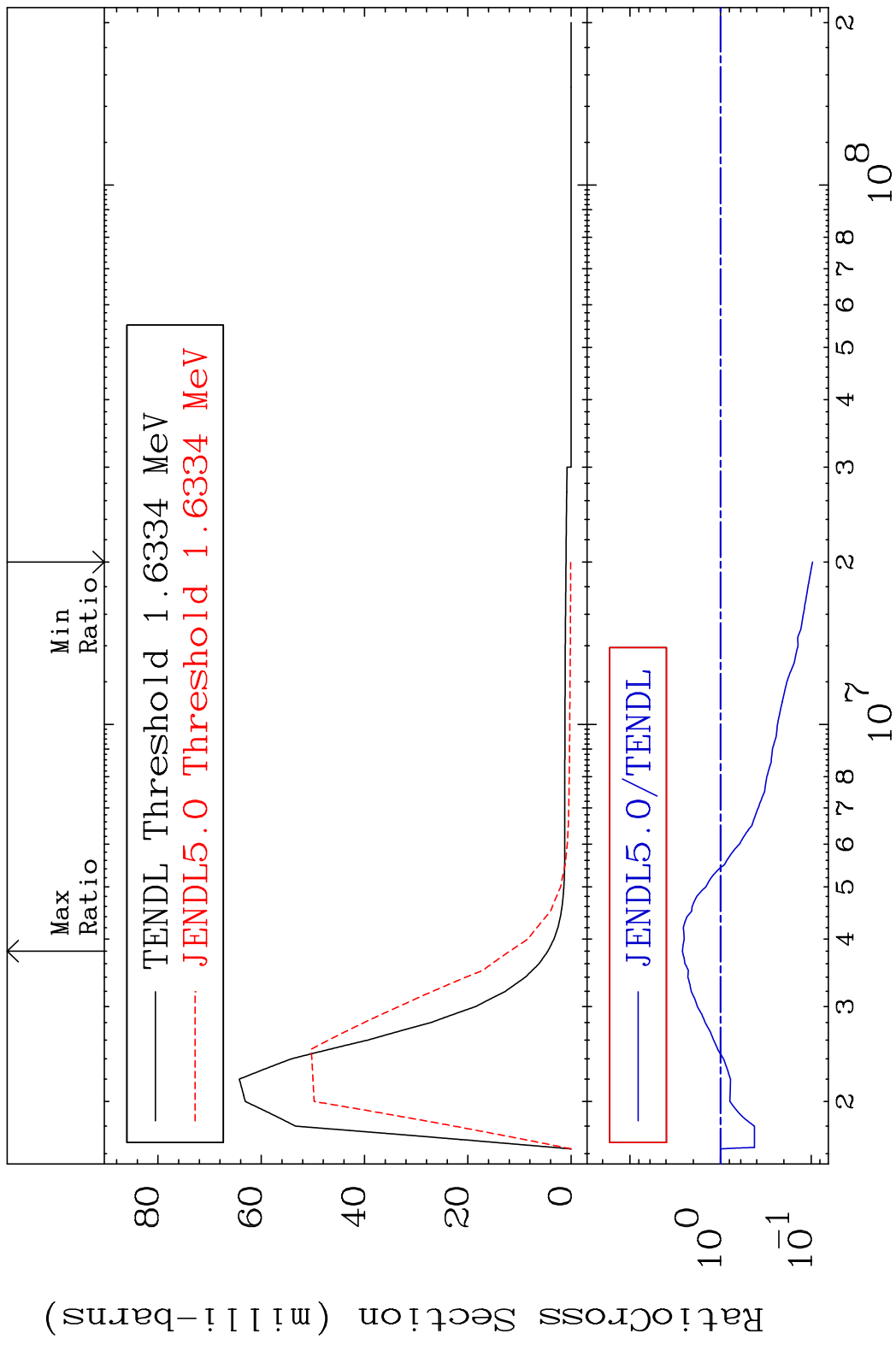
MAT 6825 MT= 73 (n, n') Level 68-Er-162
 Cross Section -93.18 To 172.4 %



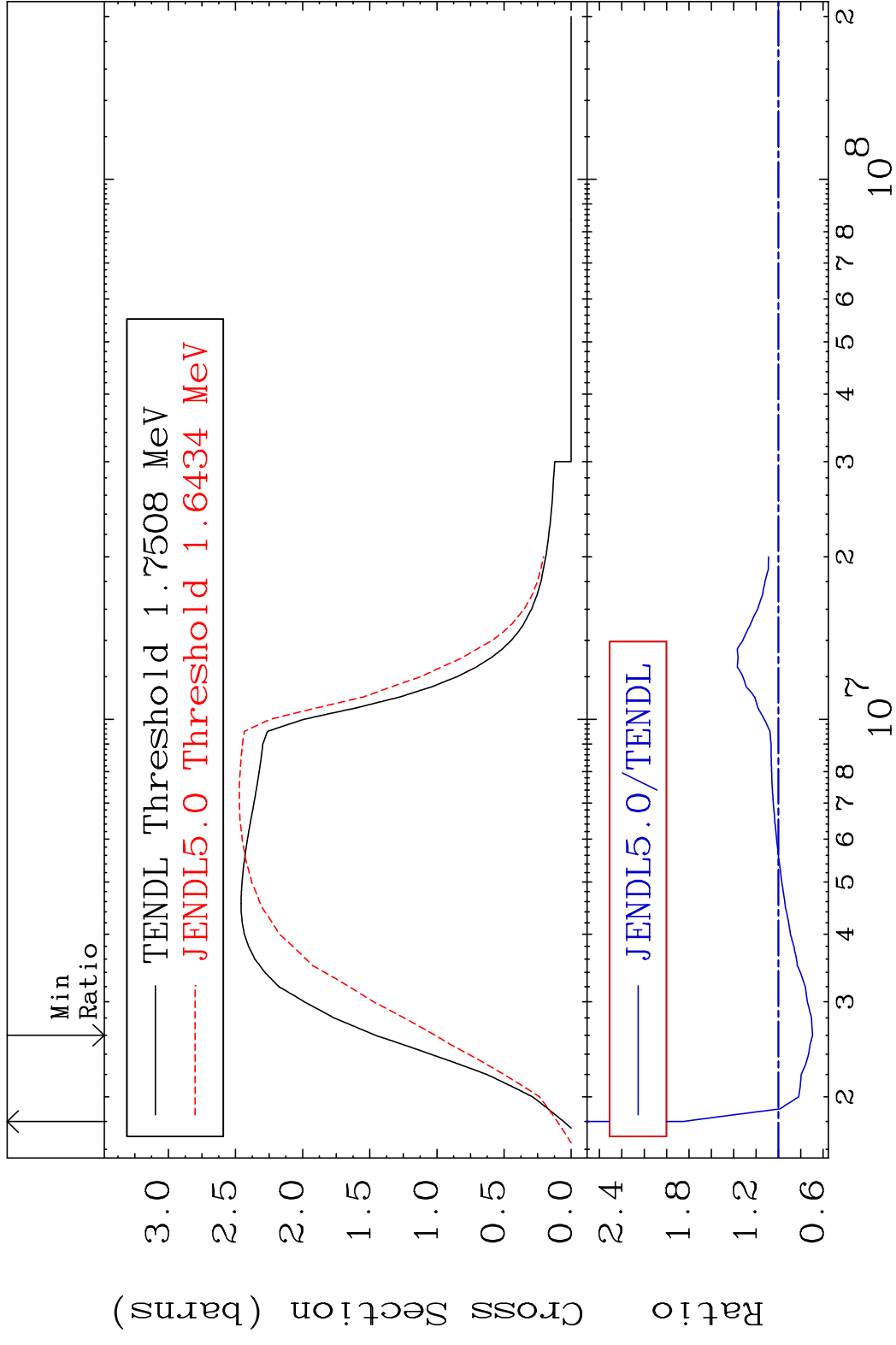
MAT 6825 MT= 74 (n, n') Level 68-Er-162
 Cross Section -87.74 To 145.9 %



MAT 6825 MT= 75 (n, n') Level 68-Er-162
 Cross Section -90.34 To 164.1 %



MAT 6825 (n,n') Continuum 68-Er-162
 Cross Section -30.50 To 85.89 %

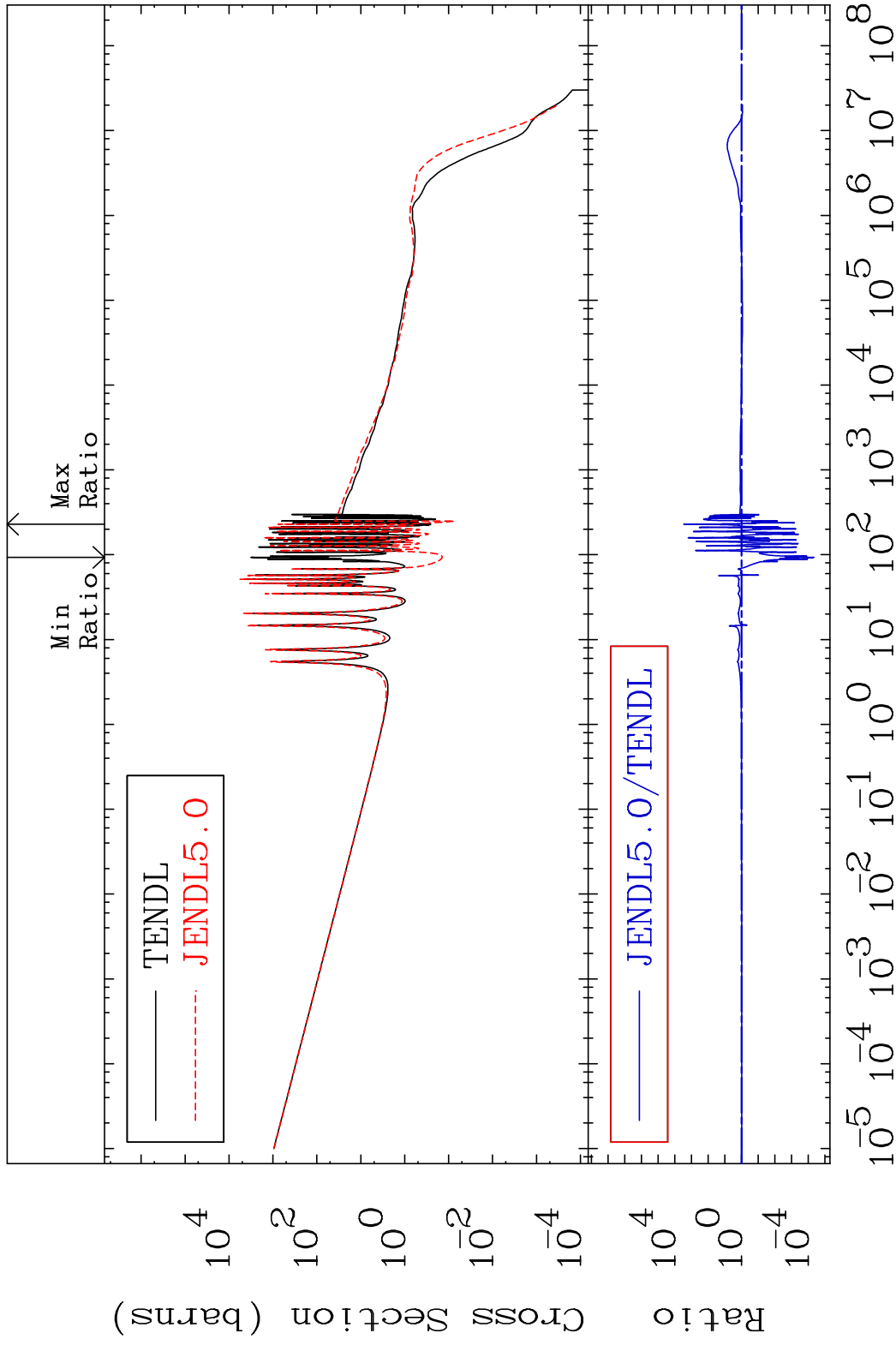


MAT 6825

(n, γ)

68-Er-162

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

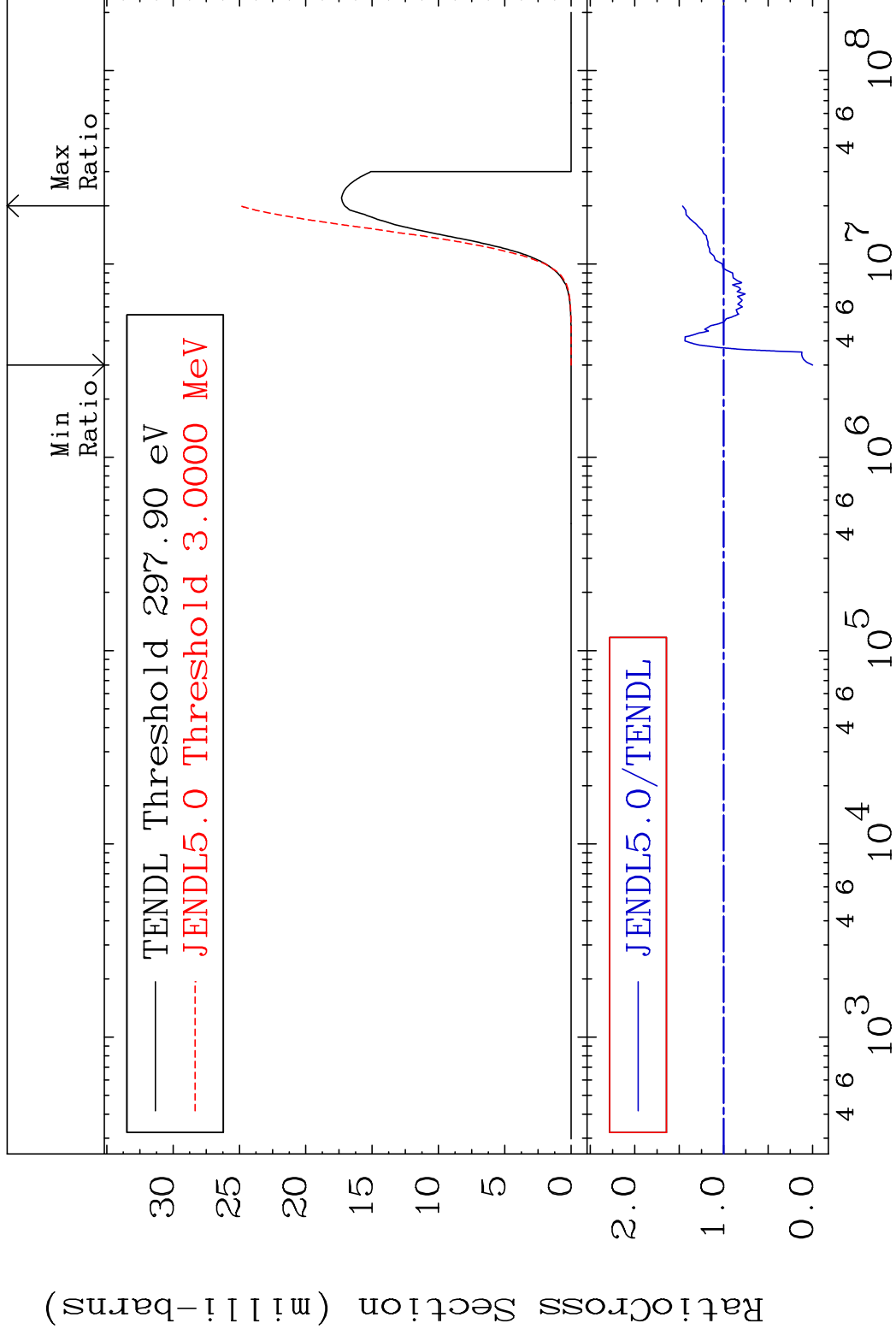
68-Er-162

MAT 6825

(n, p)

68-Er-162

Cross Section -100.0 To 46.49 %

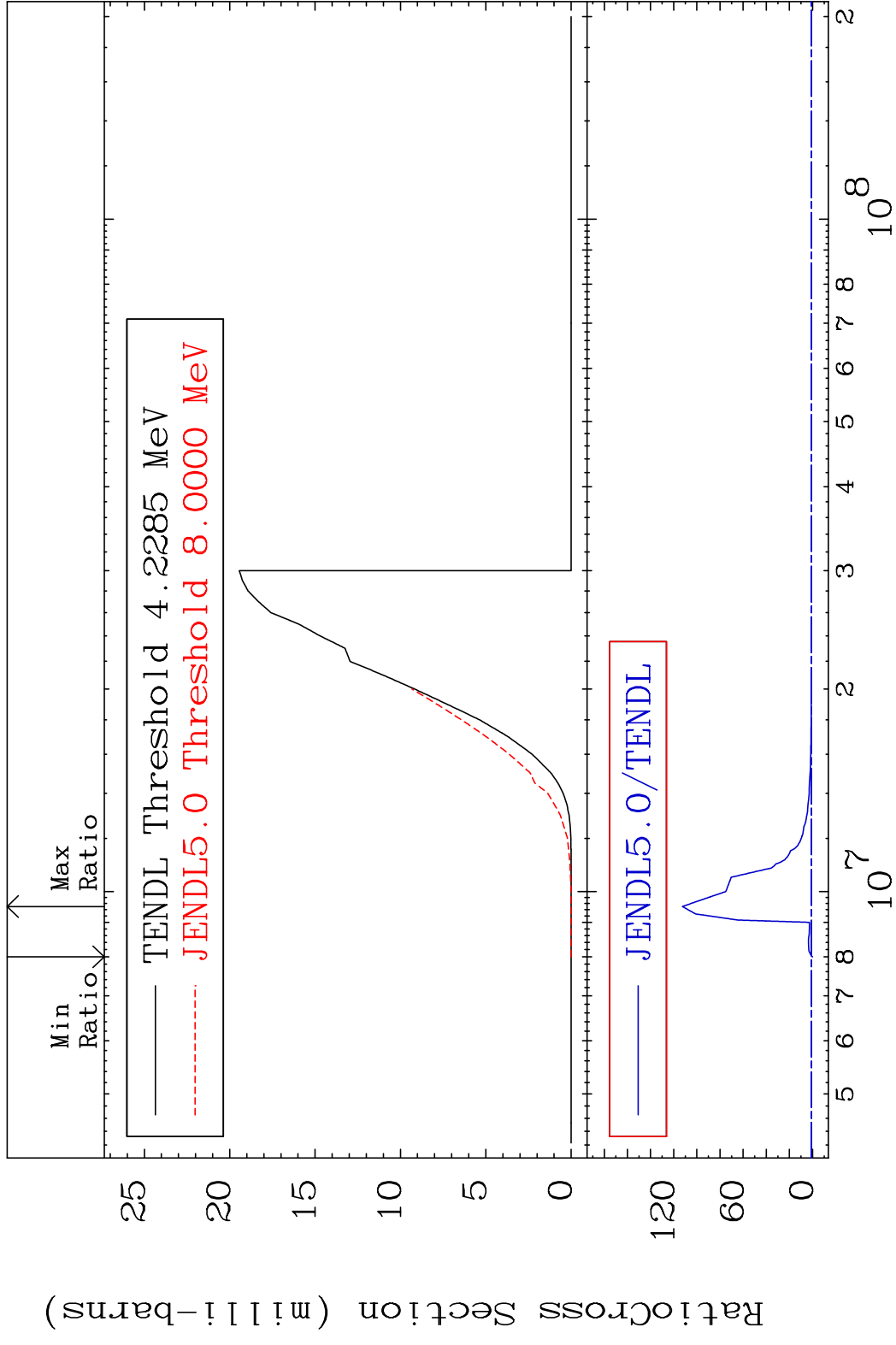


36

Incident Energy (eV)

68-Er-162

MAT 6825 (n,d) 68-Er-162
 Cross Section -100.0 To 9999. %

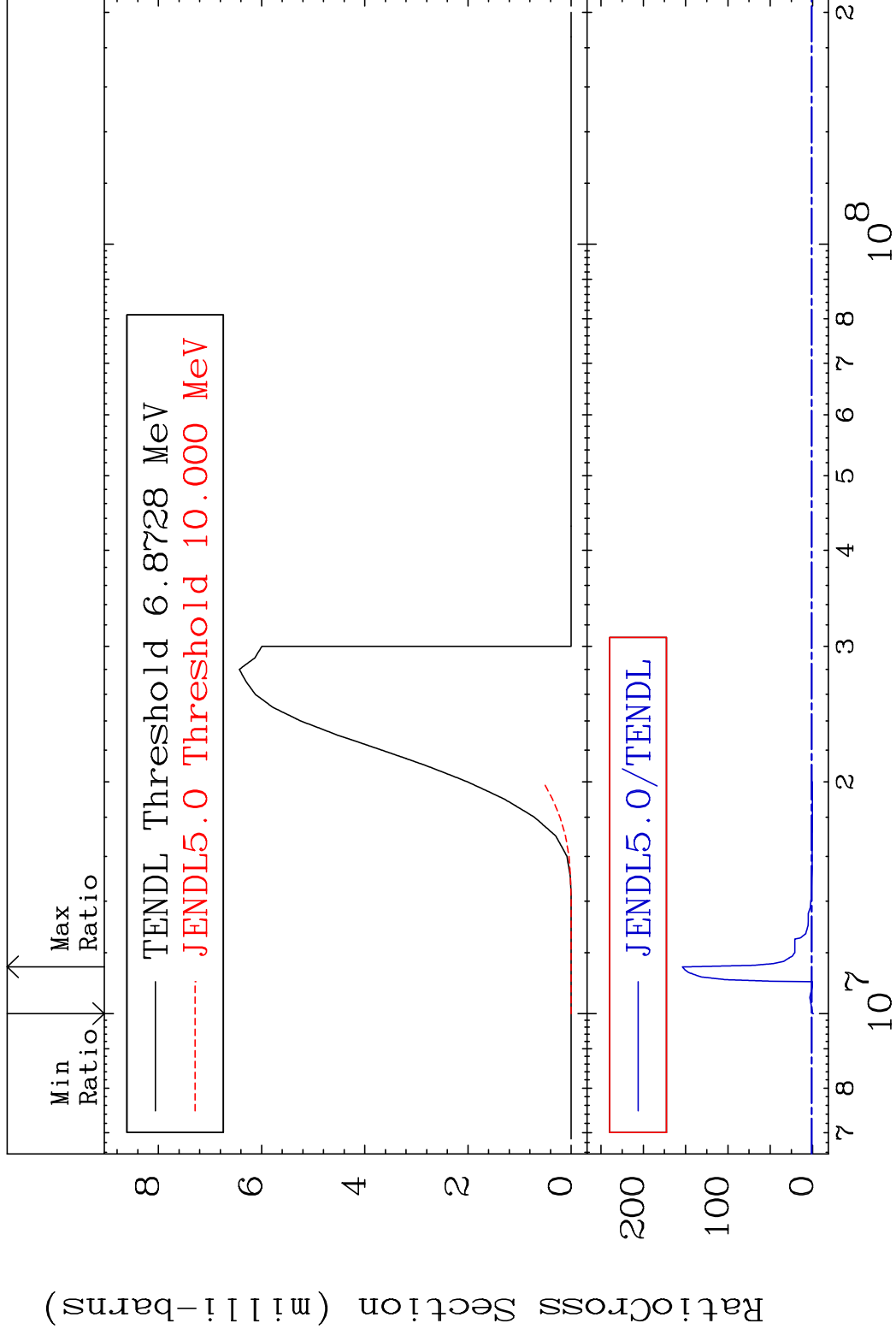


MAT 6825

(n, t)

68-Er-162

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

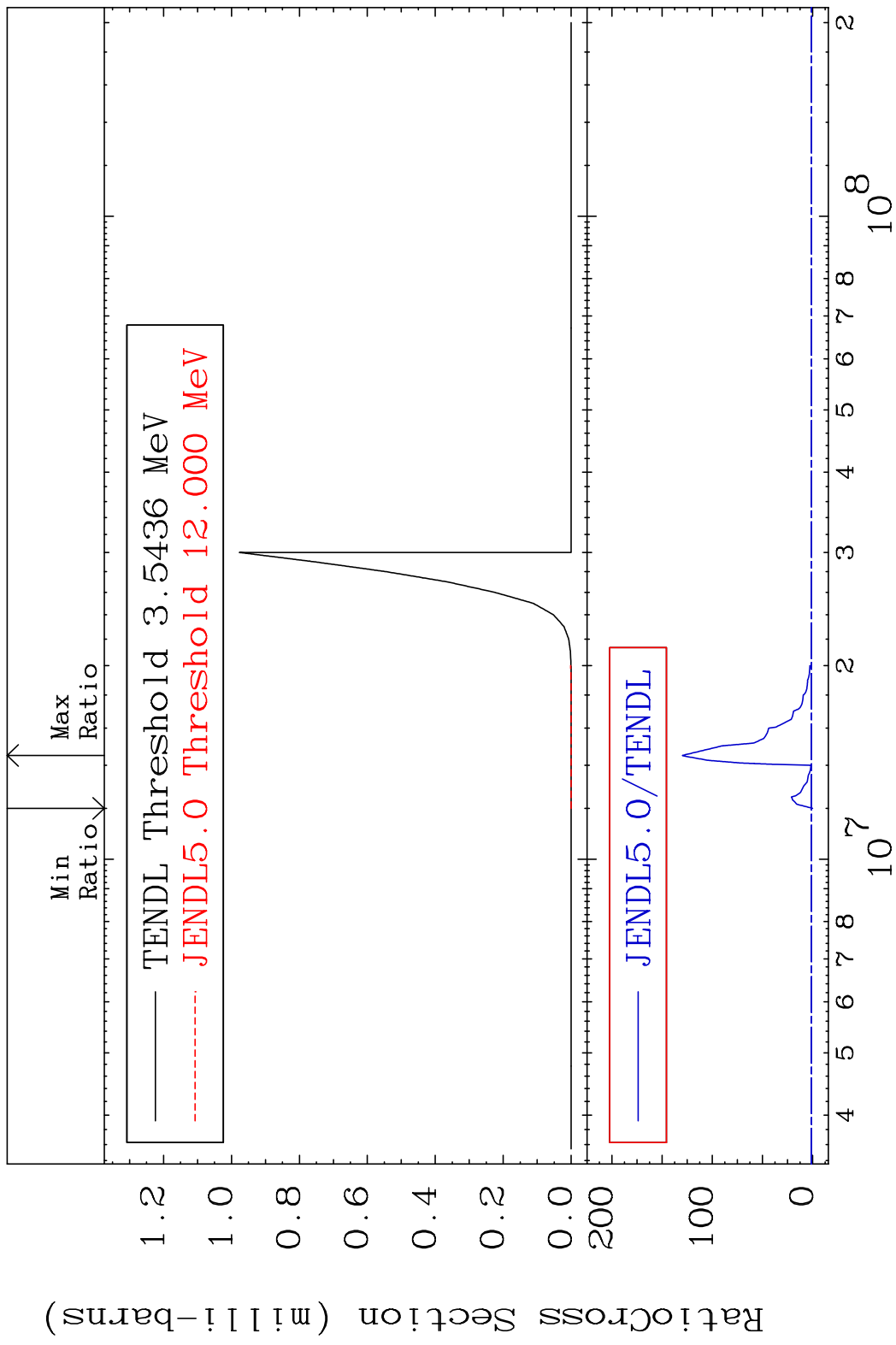
68-Er-162

MAT 6825

(n, He-3)

68-Er-162

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

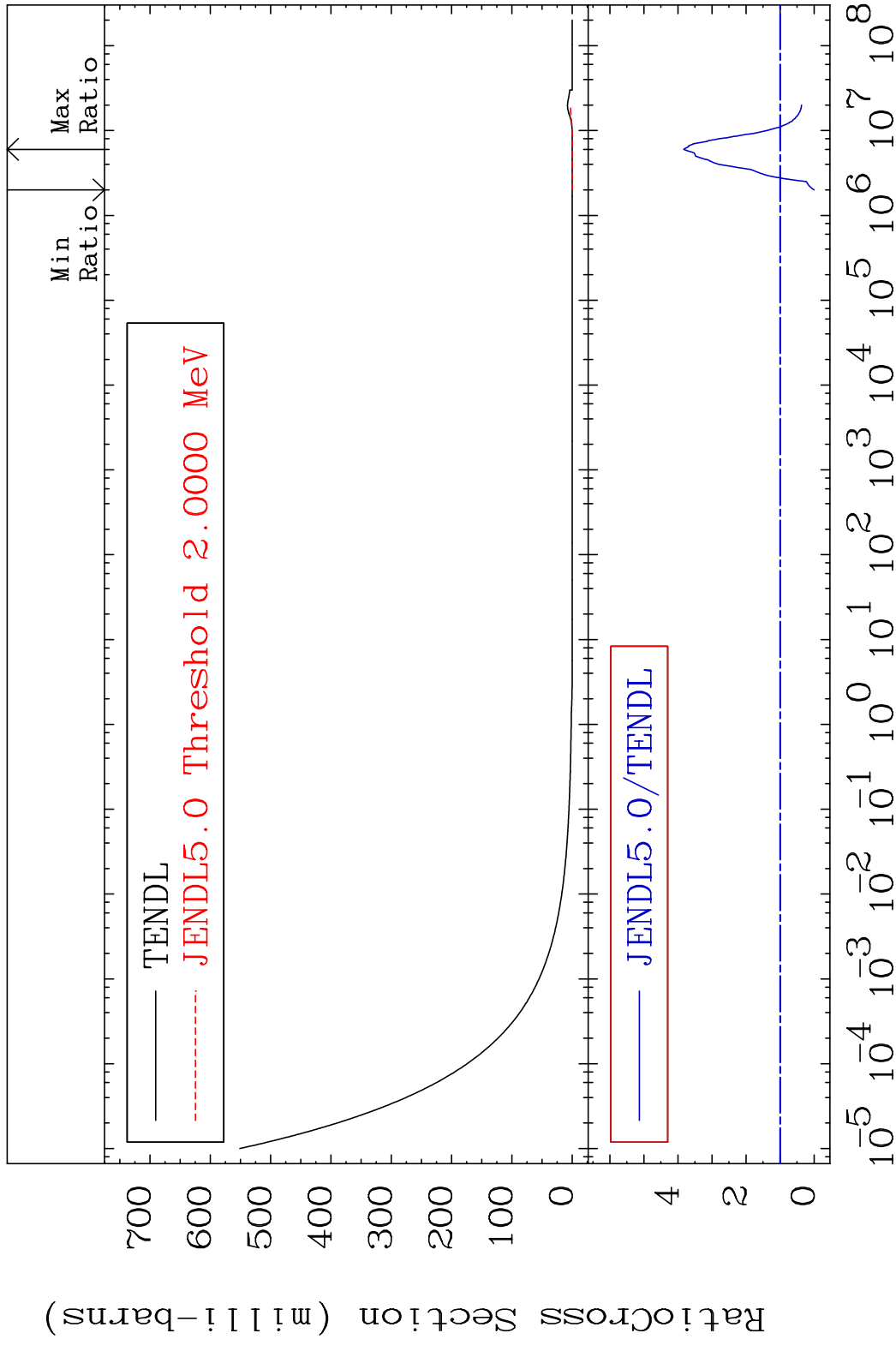
68-Er-162

MAT 6825

(n, α)

68-Er-162

Cross Section -100.0 To 283.3 %

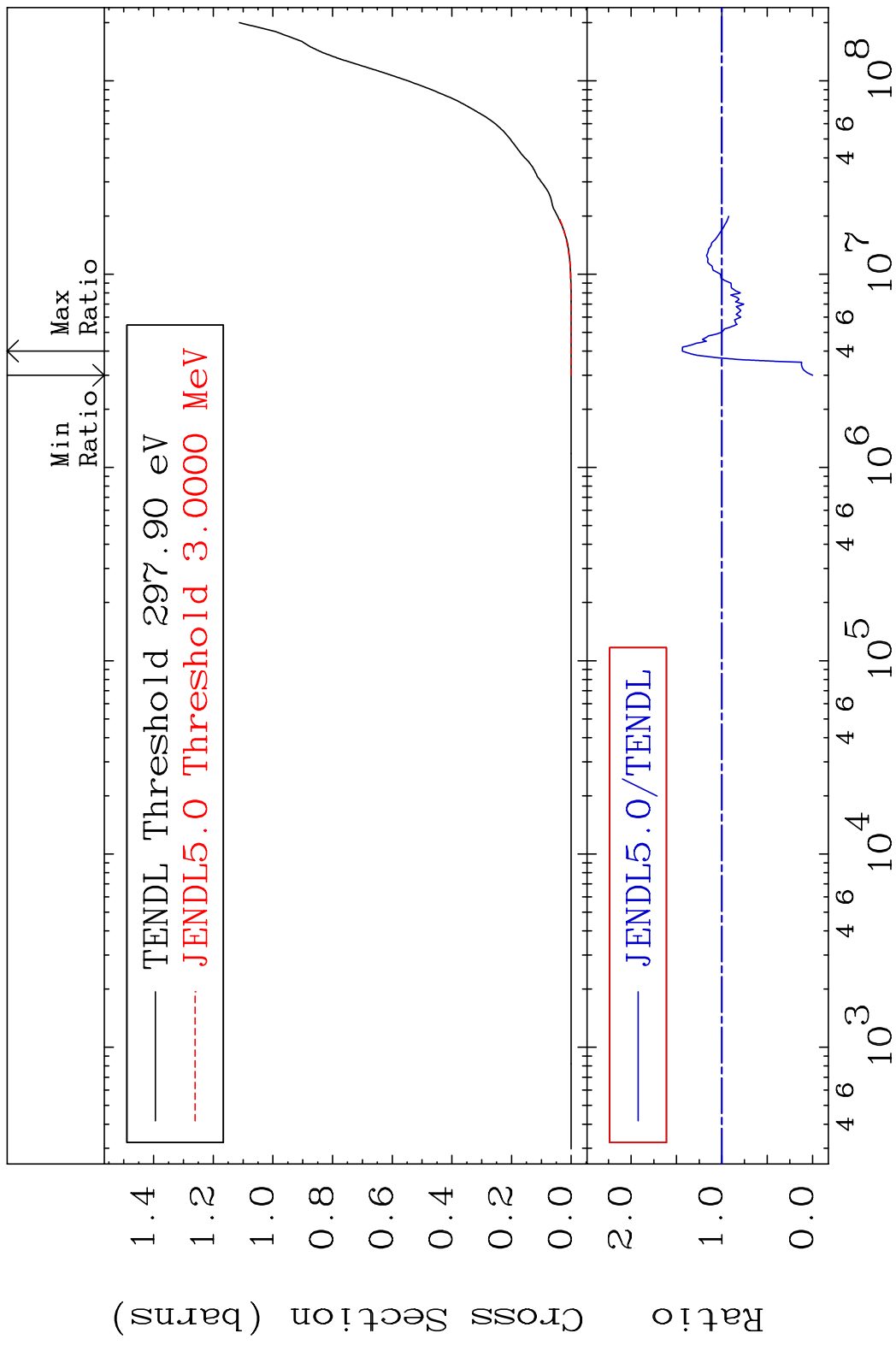


40

Incident Energy (eV)

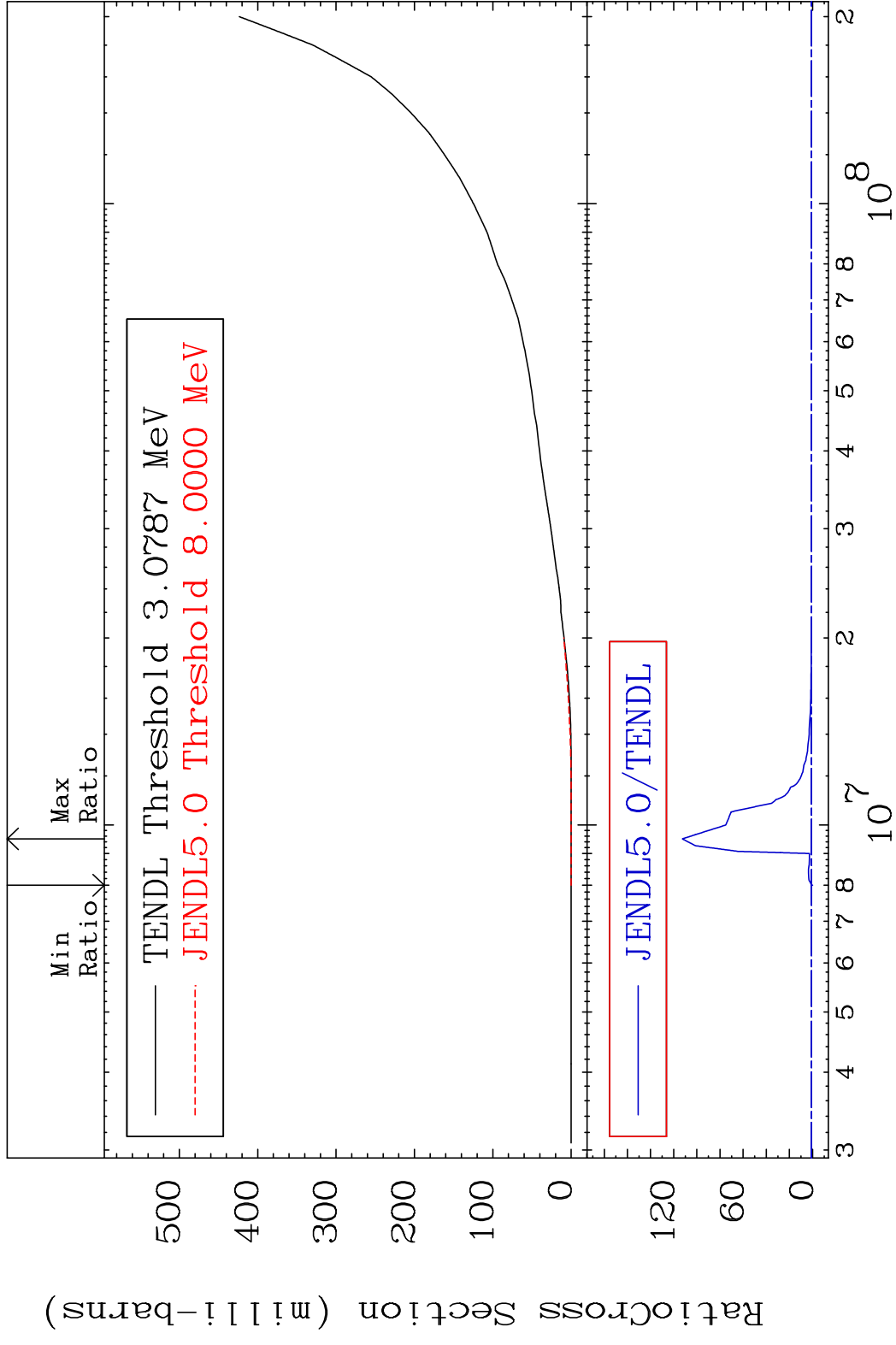
68-Er-162

MAT 6825 Hydrogen Production 68-Er-162
 Cross Section -100.0 To 43.52 %



MAT 6825

Deuterium Production 68-Er-162
Cross Section -100.0 To 9999. %



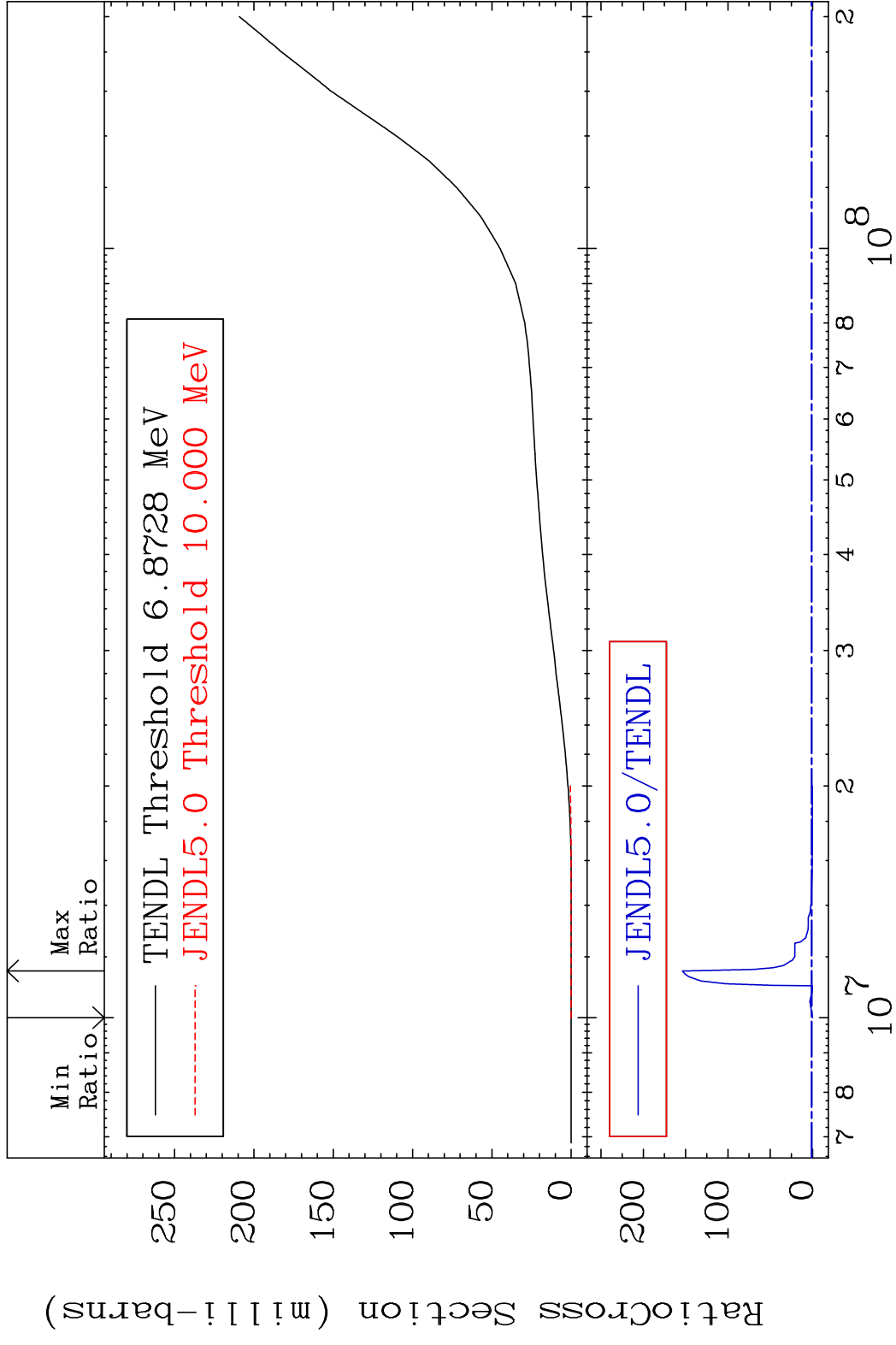
42

Incident Energy (eV)

68-Er-162

MAT 6825

Tritium Production 68-Er-162
Cross Section -100.0 To 9999. %

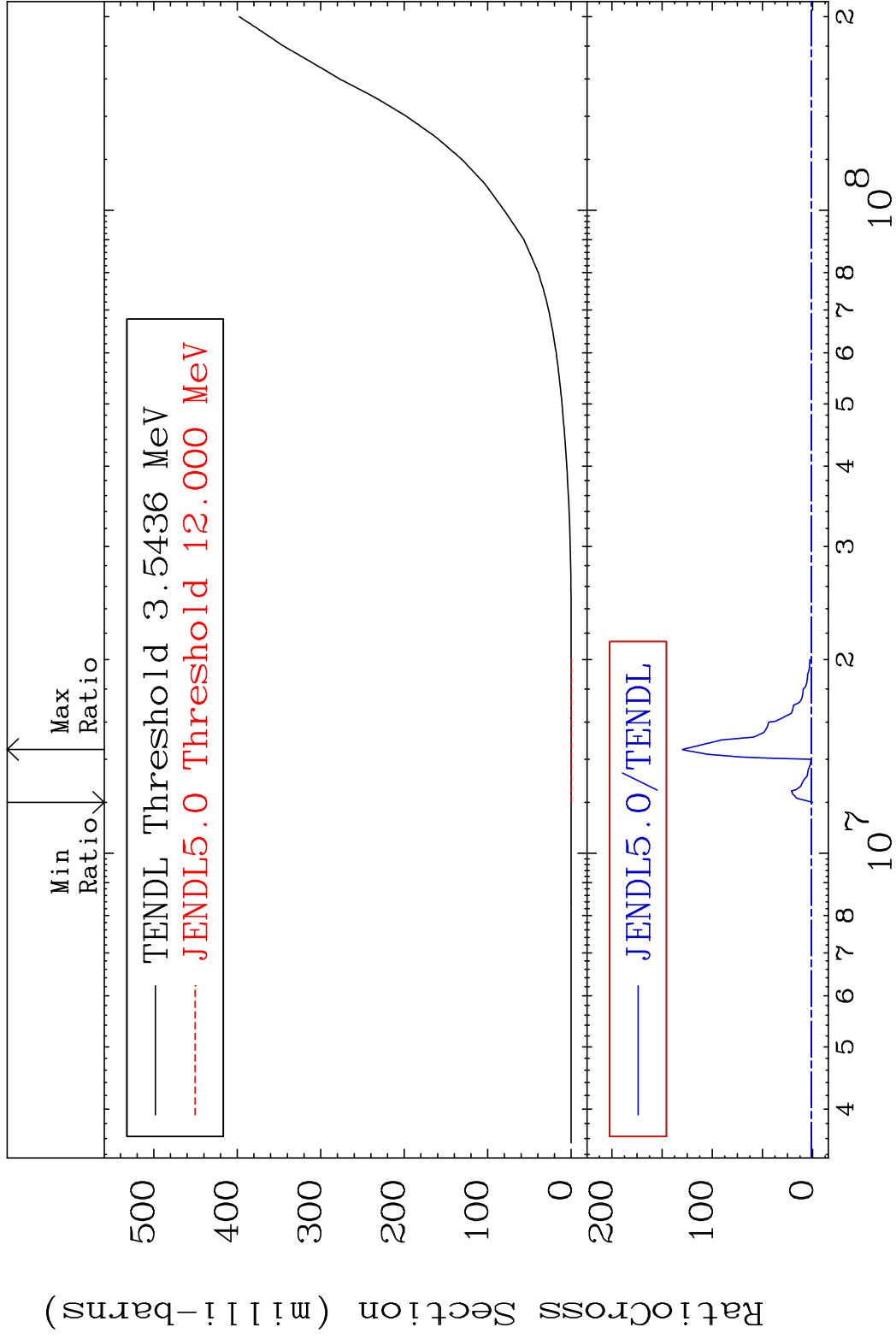


MAT 6825

He-3 Production

68-Er-162

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

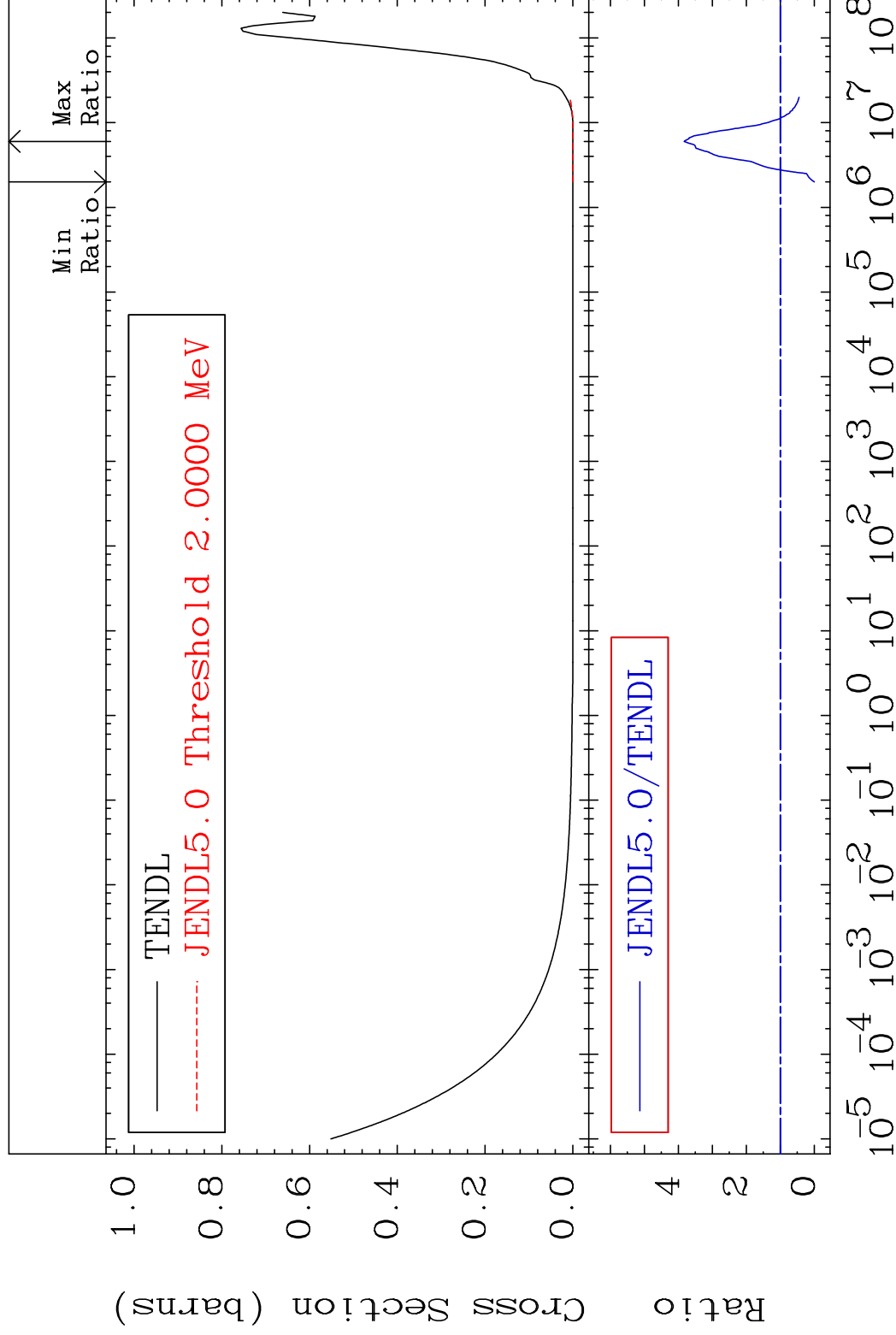
68-Er-162

MAT 6825

He-4 Production

68-Er-162

Cross Section -100.0 To 283.2 %

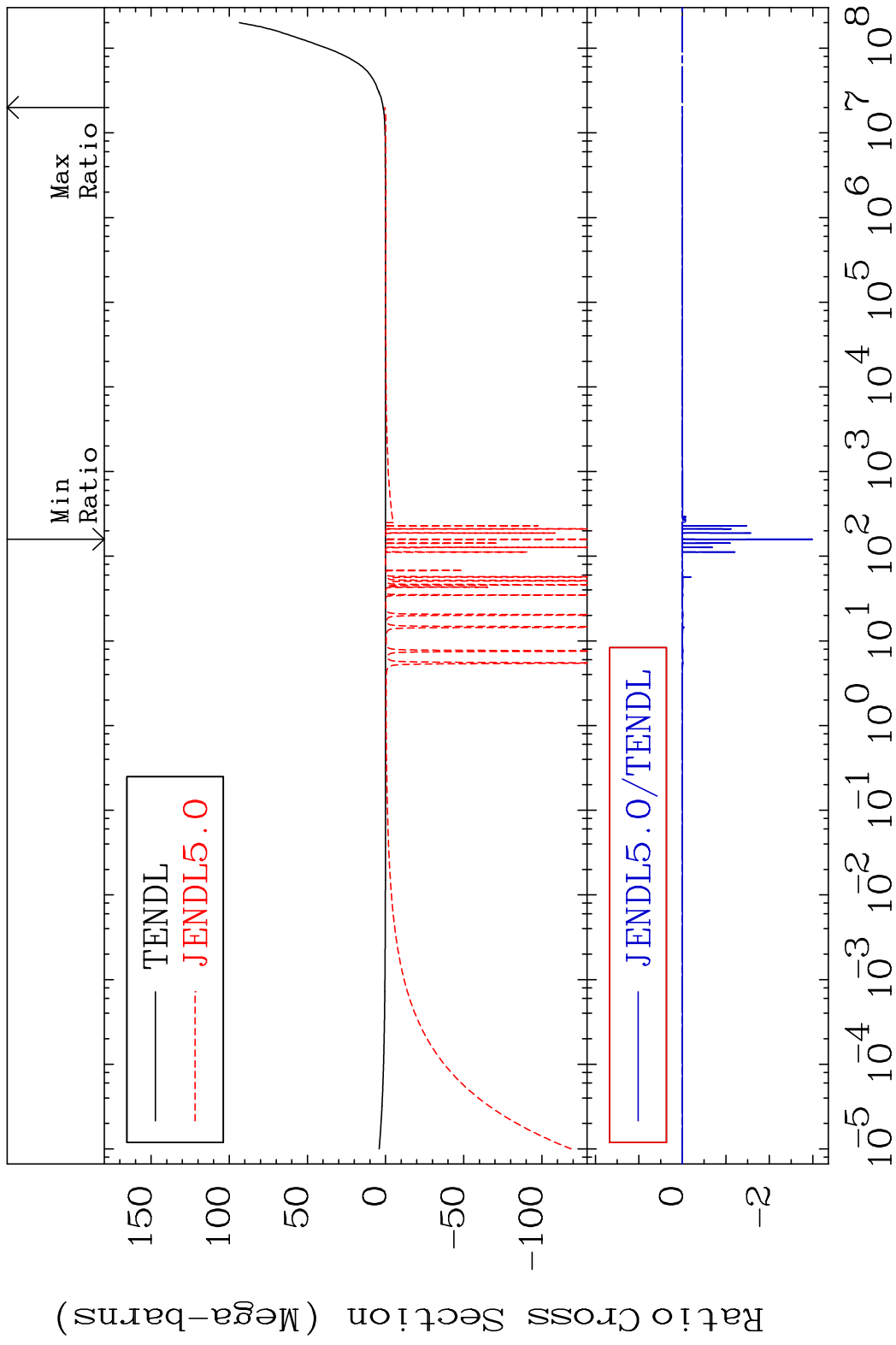


45

Incident Energy (eV)

68-Er-162

MAT 6825 Kerma total (eV-barns) 68-Er-162
 Cross Section -9999. To -65.29%



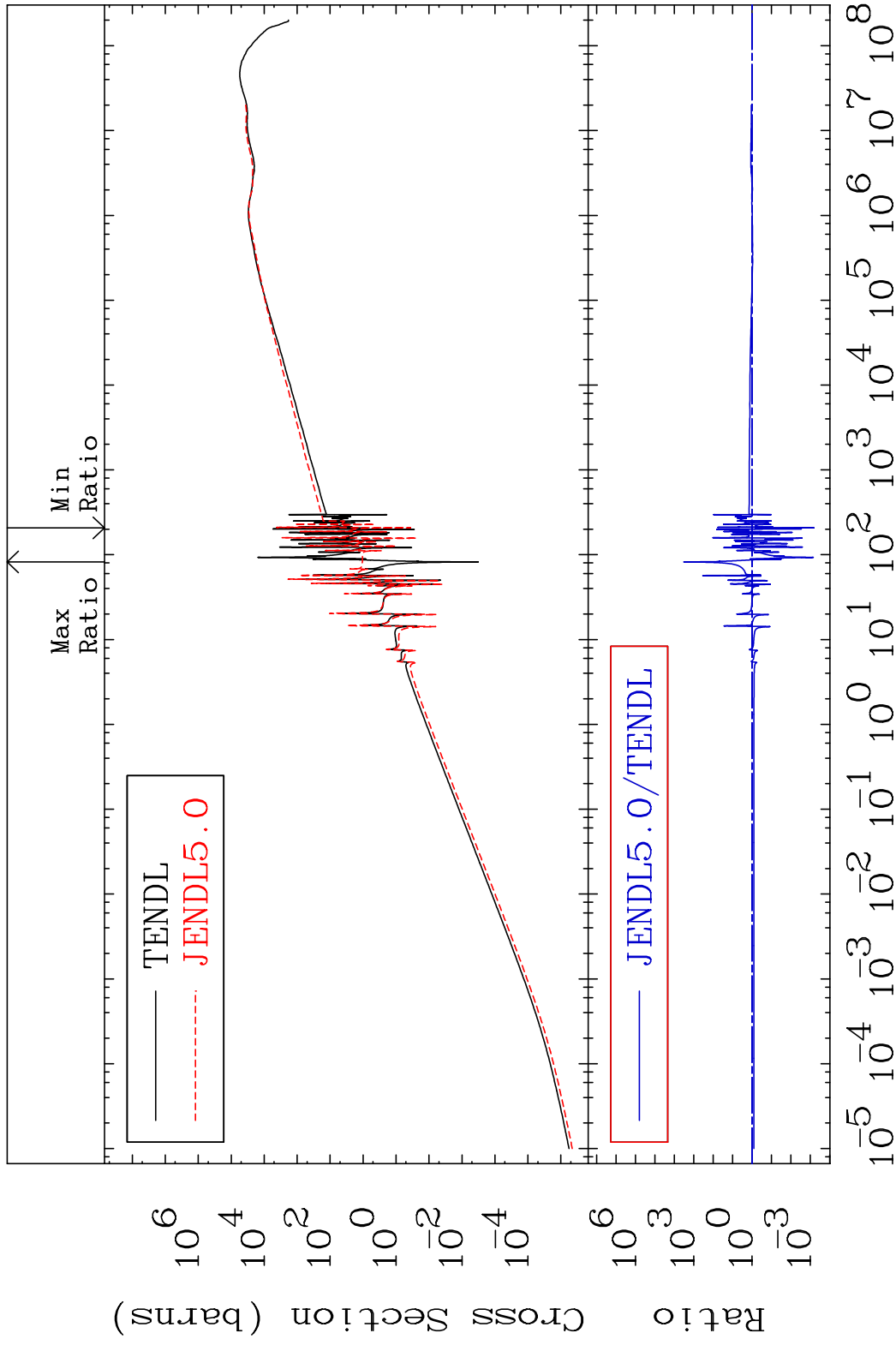
46 Incident Energy (eV) 68-Er-162

MAT 6825

Kerma elastic

68-Er-162

Cross Section -99.94 To 9999. %

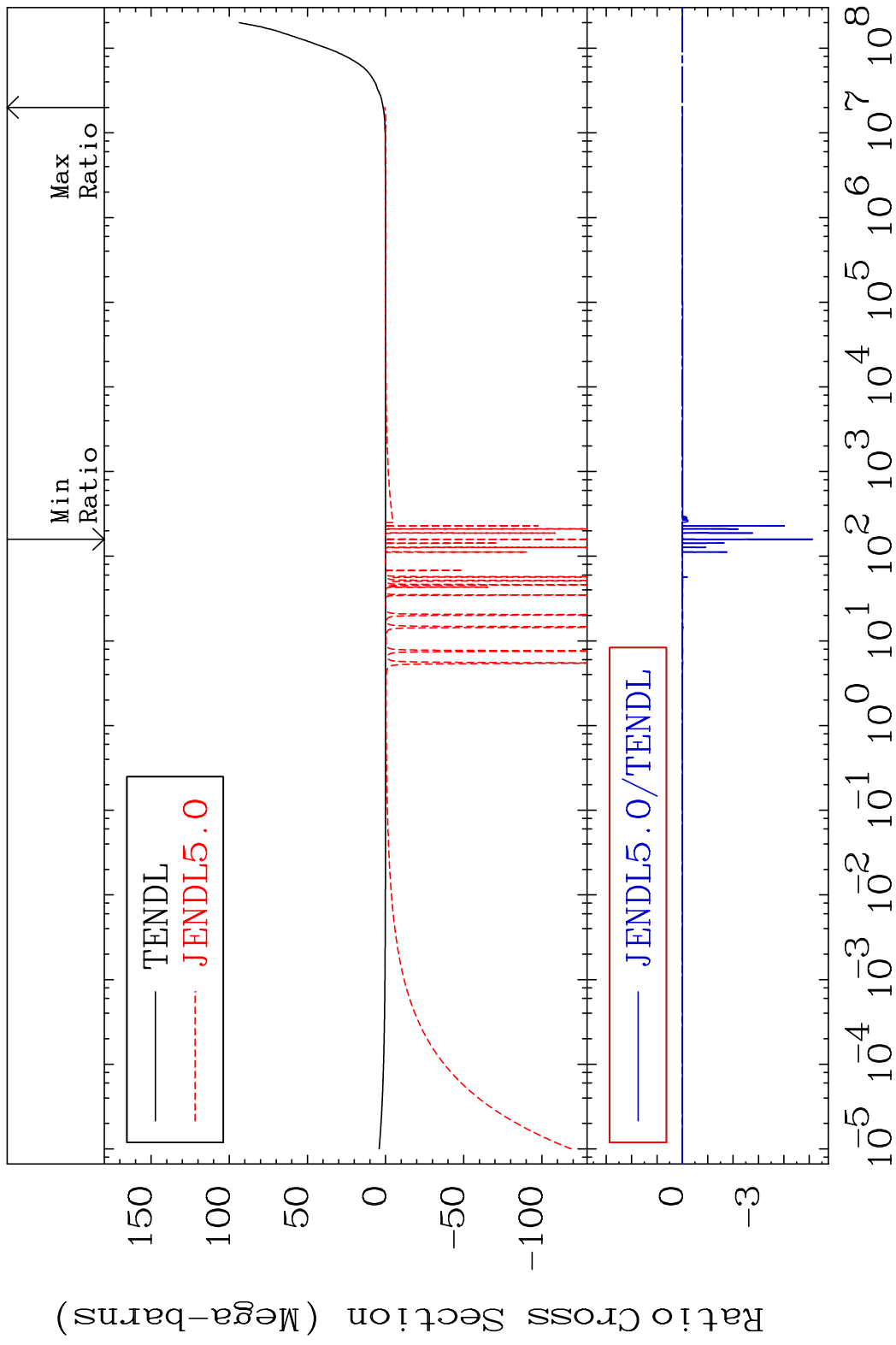


47

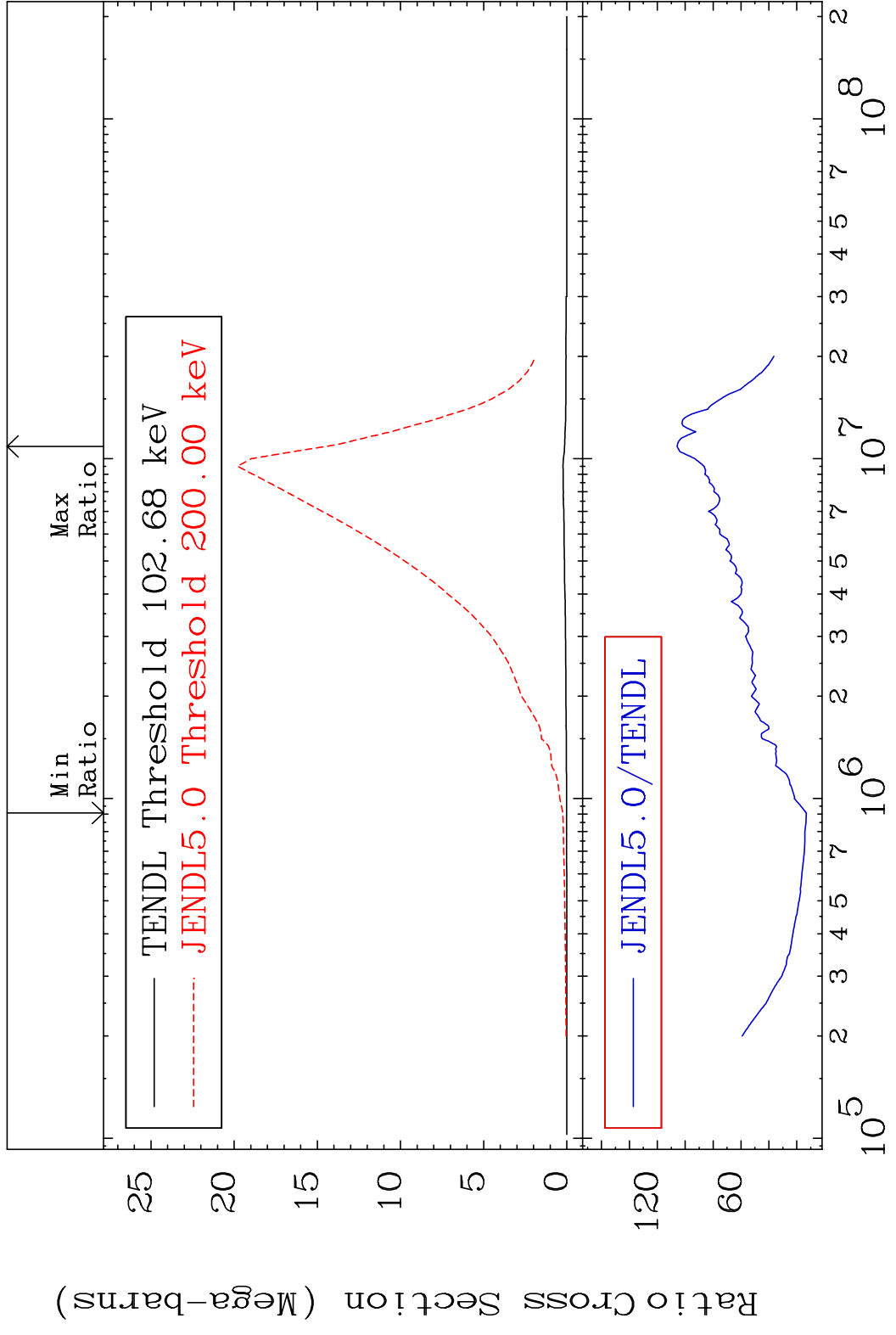
Incident Energy (eV)

68-Er-162

MAT 6825 Kerma non-elastic (all but mt2) 68-Er-162
 Cross Section -9999. To -66.90%

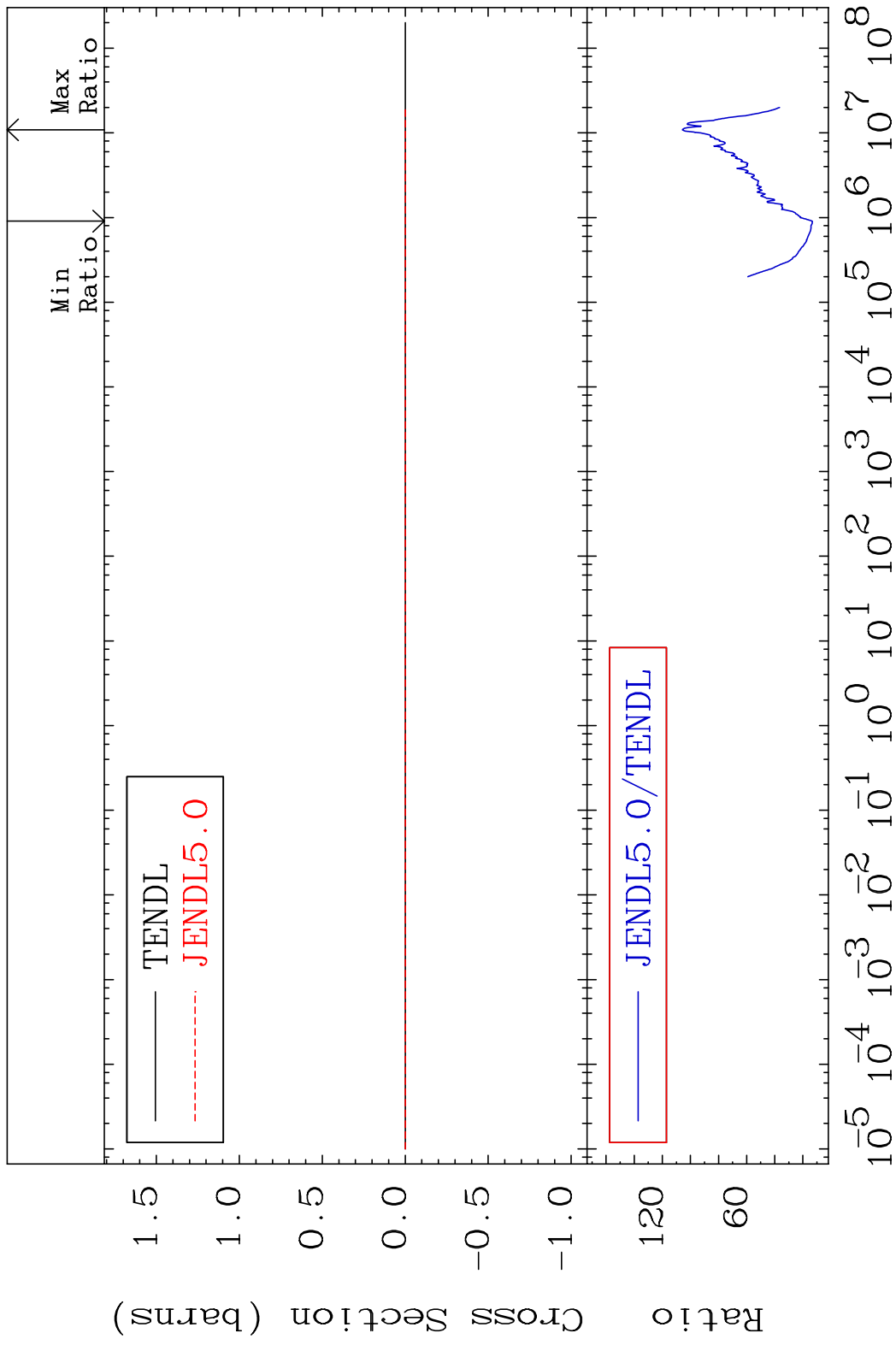


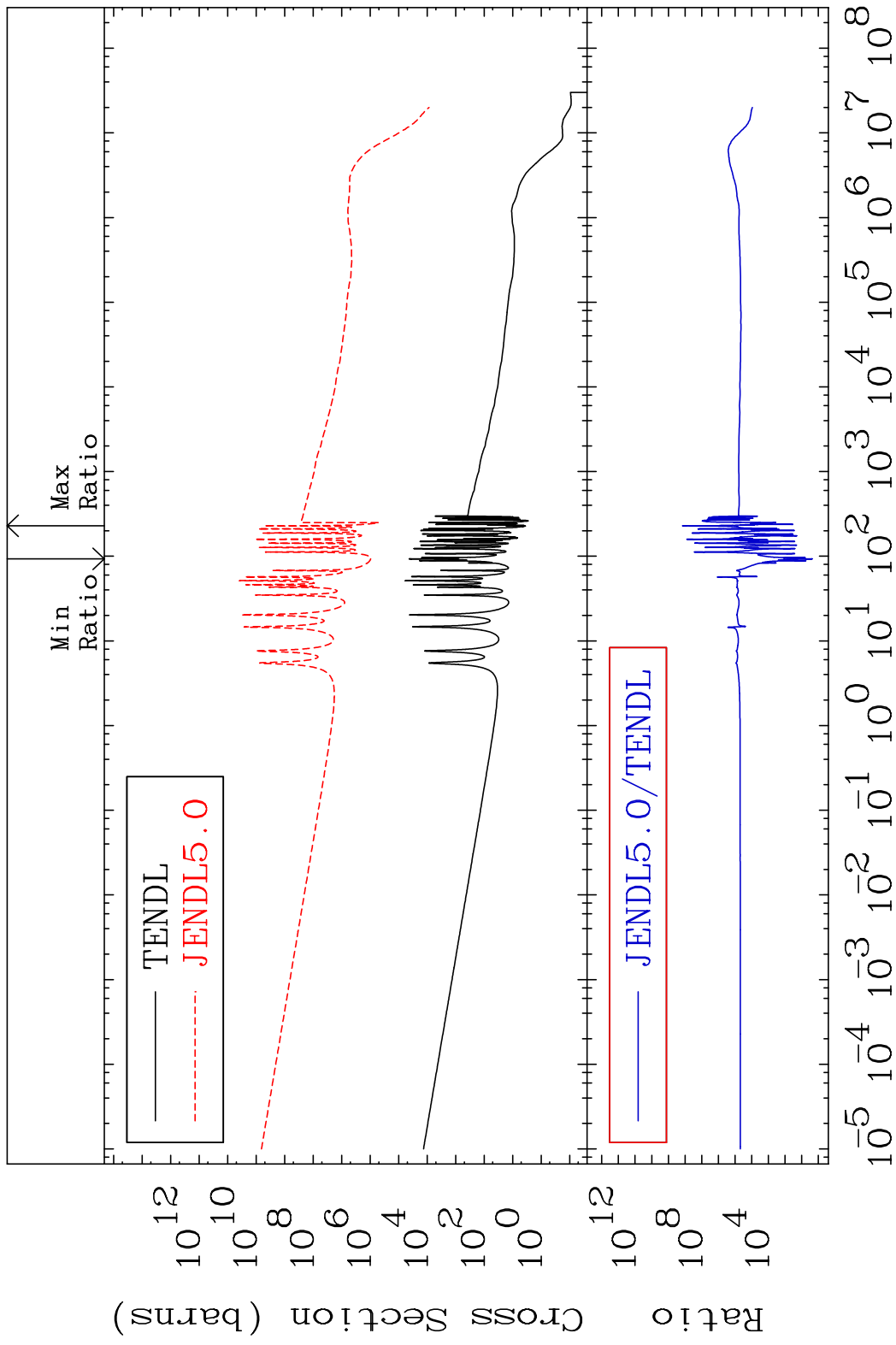
MAT 6825 Kerma inelastic (mt51-91) 68-Er-162
 Cross Section 1213. To 9999. %



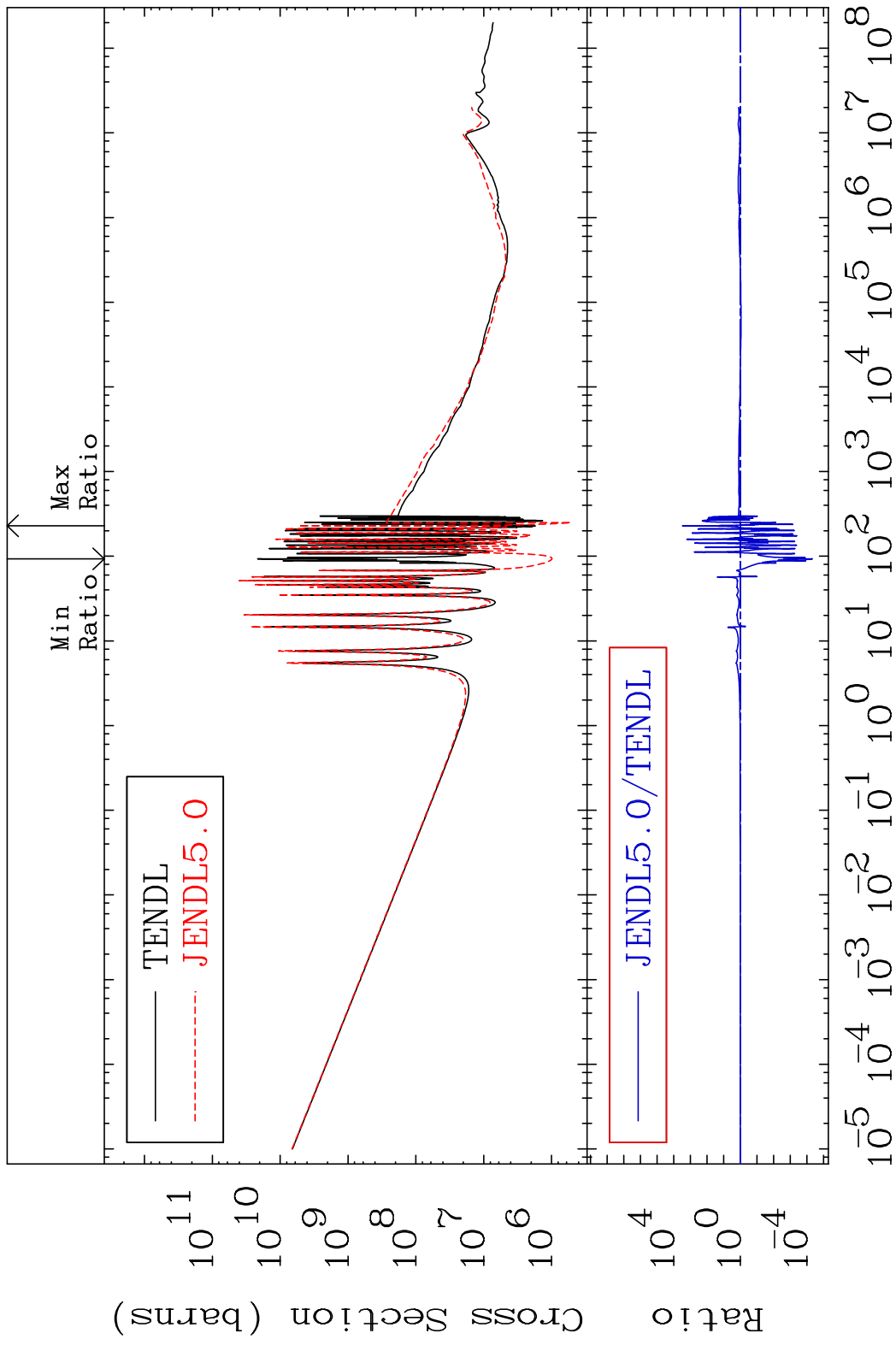
49 Incident Energy (eV) 68-Er-162

MAT 6825 Kerma fission (mt18 or mt19-20-21-38) 68-Er-162
 Cross Section 1213. To 9999. %

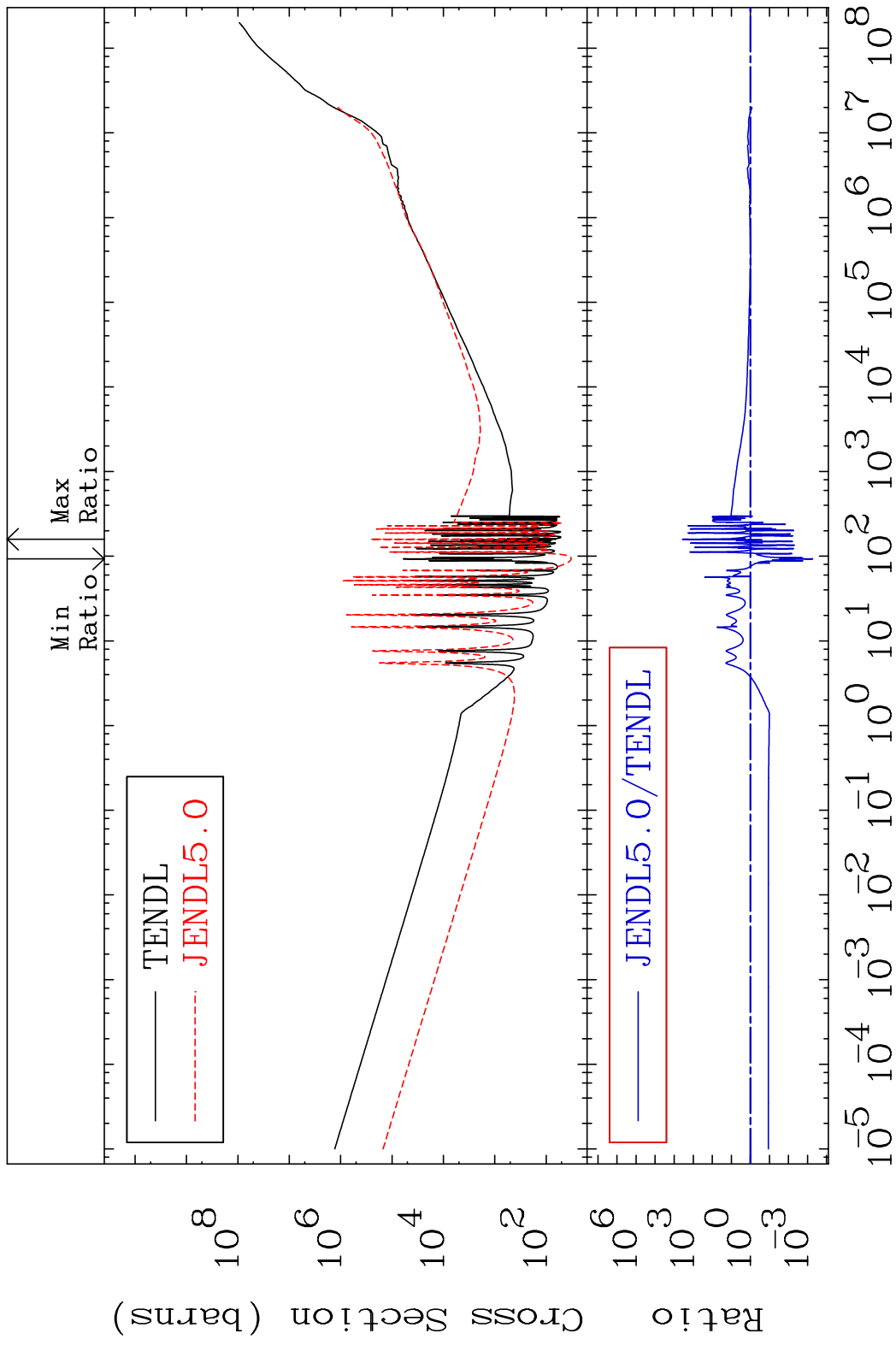




MAT 6825 Total photon (eV-barns) 68-Er-162
 Cross Section -100.0 To 9999. %



MAT 6825 Total kinematic kerma (high limit) 68-Er-162
 Cross Section -99.95 To 9999. %

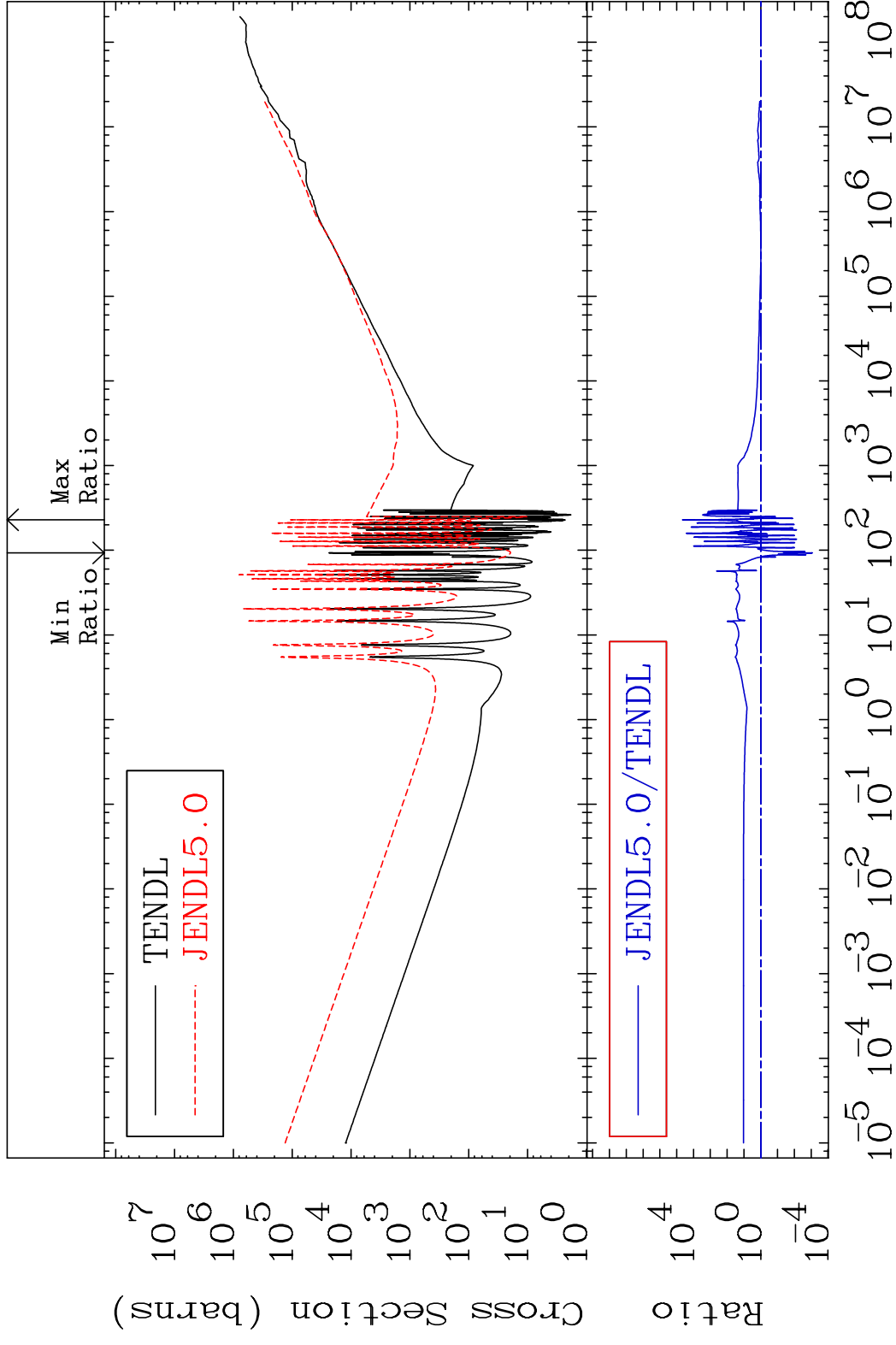


MAT 6825

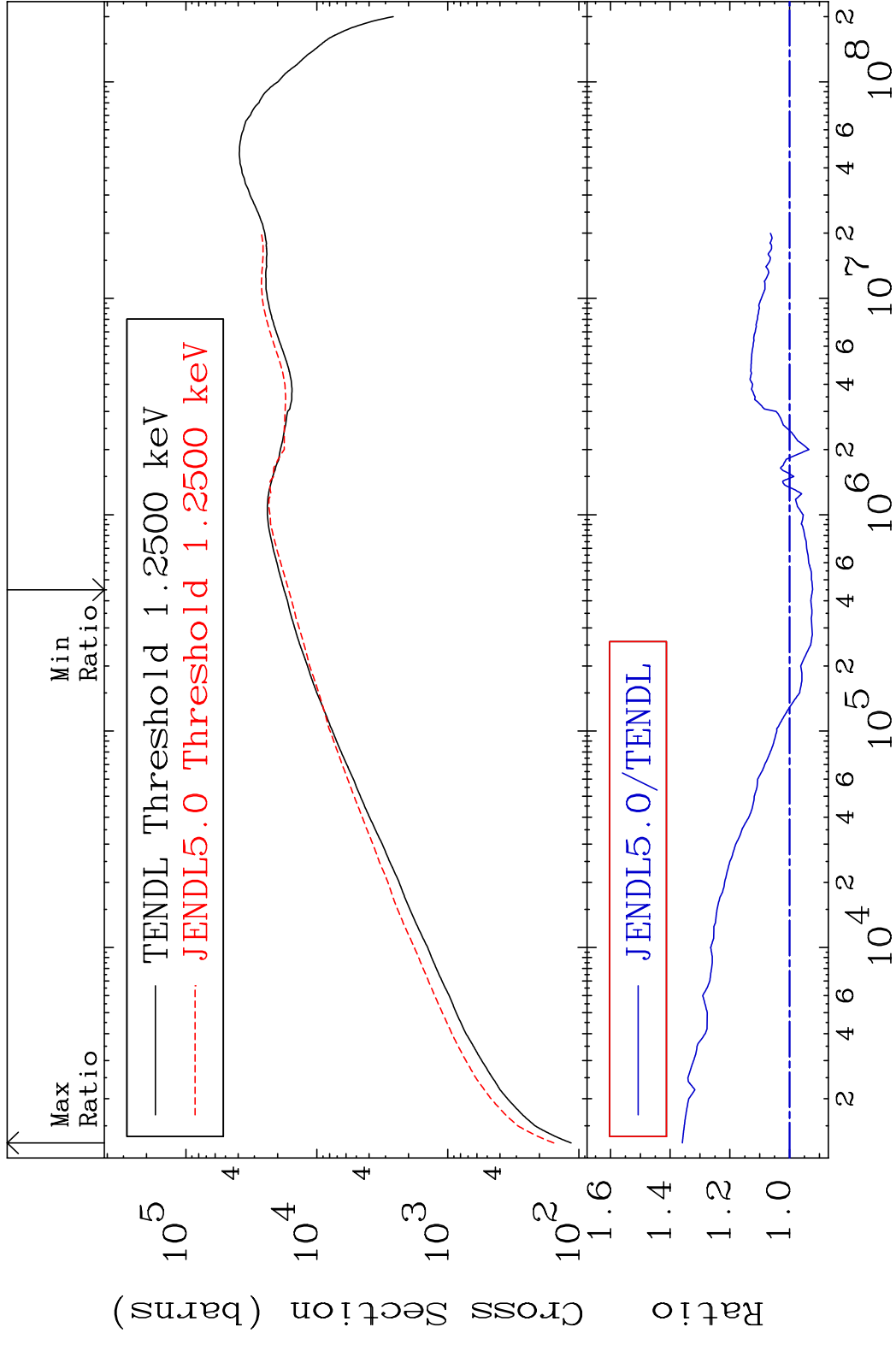
Dpa total (eV-barns)

68-Er-162

Cross Section -99.92 To 9999. %



MAT 6825 Dpa elastic (mt2) 68-Er-162
 Cross Section -7.716 To 35.92 %

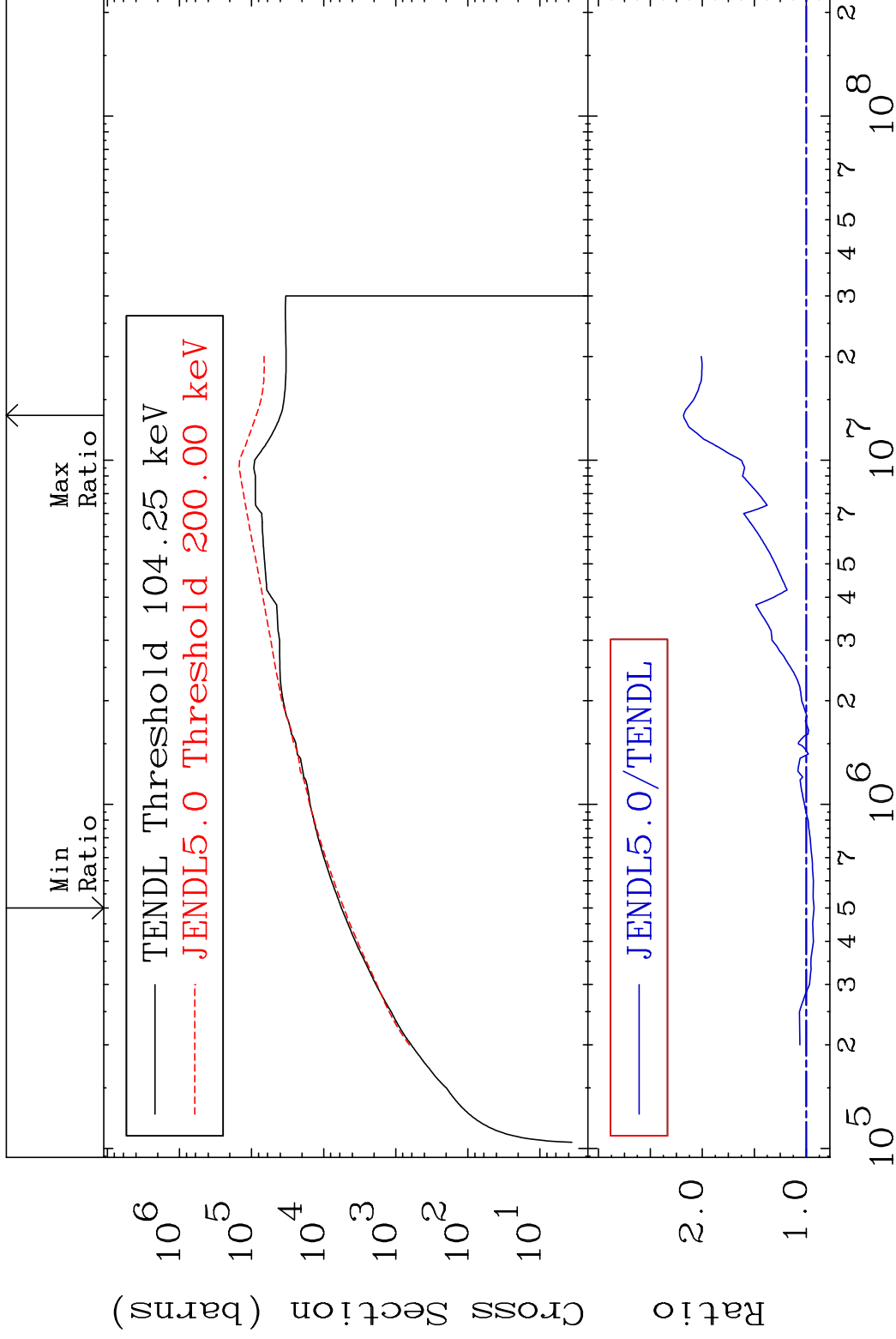


MAT 6825

Dpa inelastic (mt51-91)

68-Er-162

Cross Section -7.472 To 118.2 %

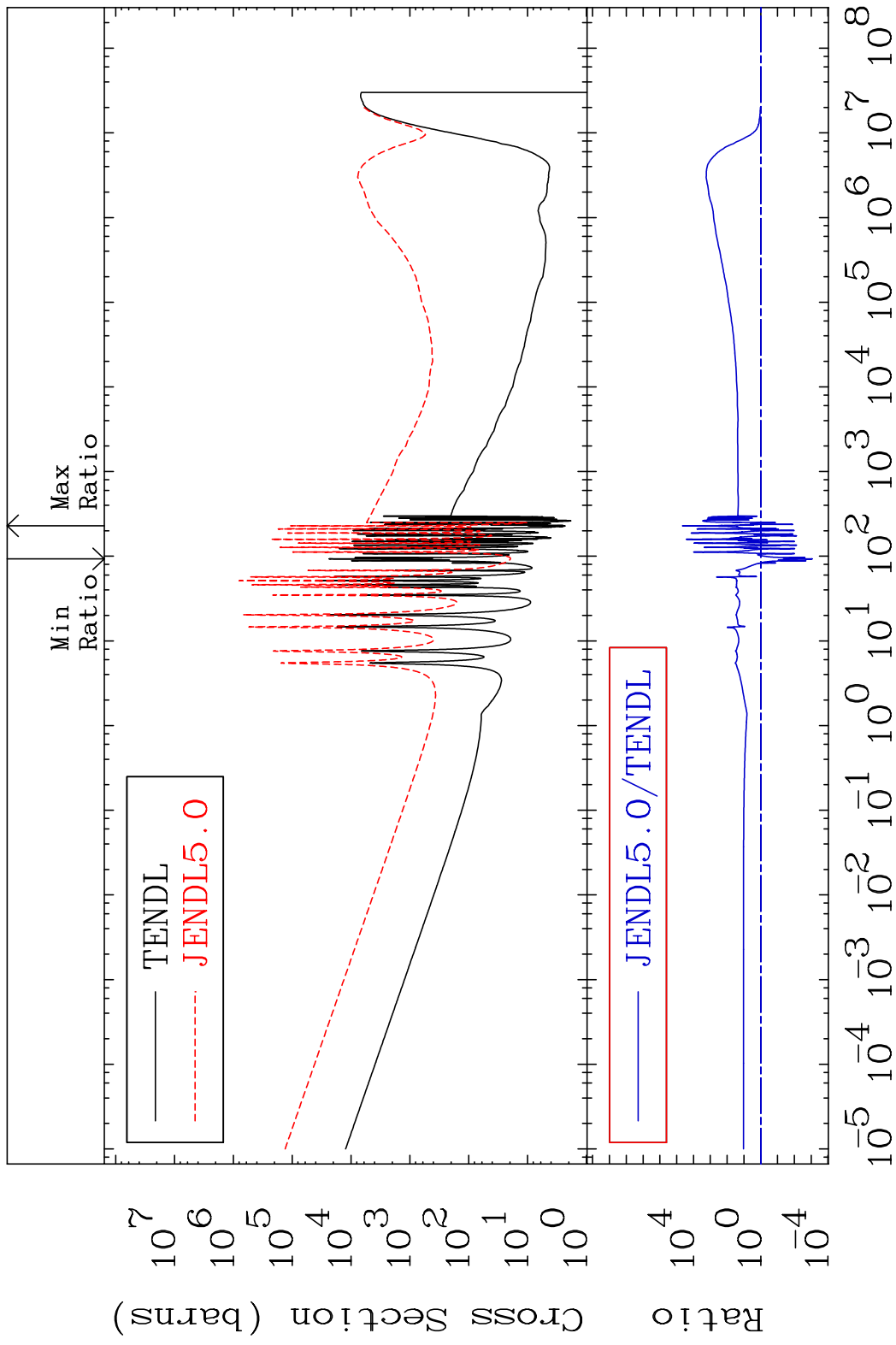


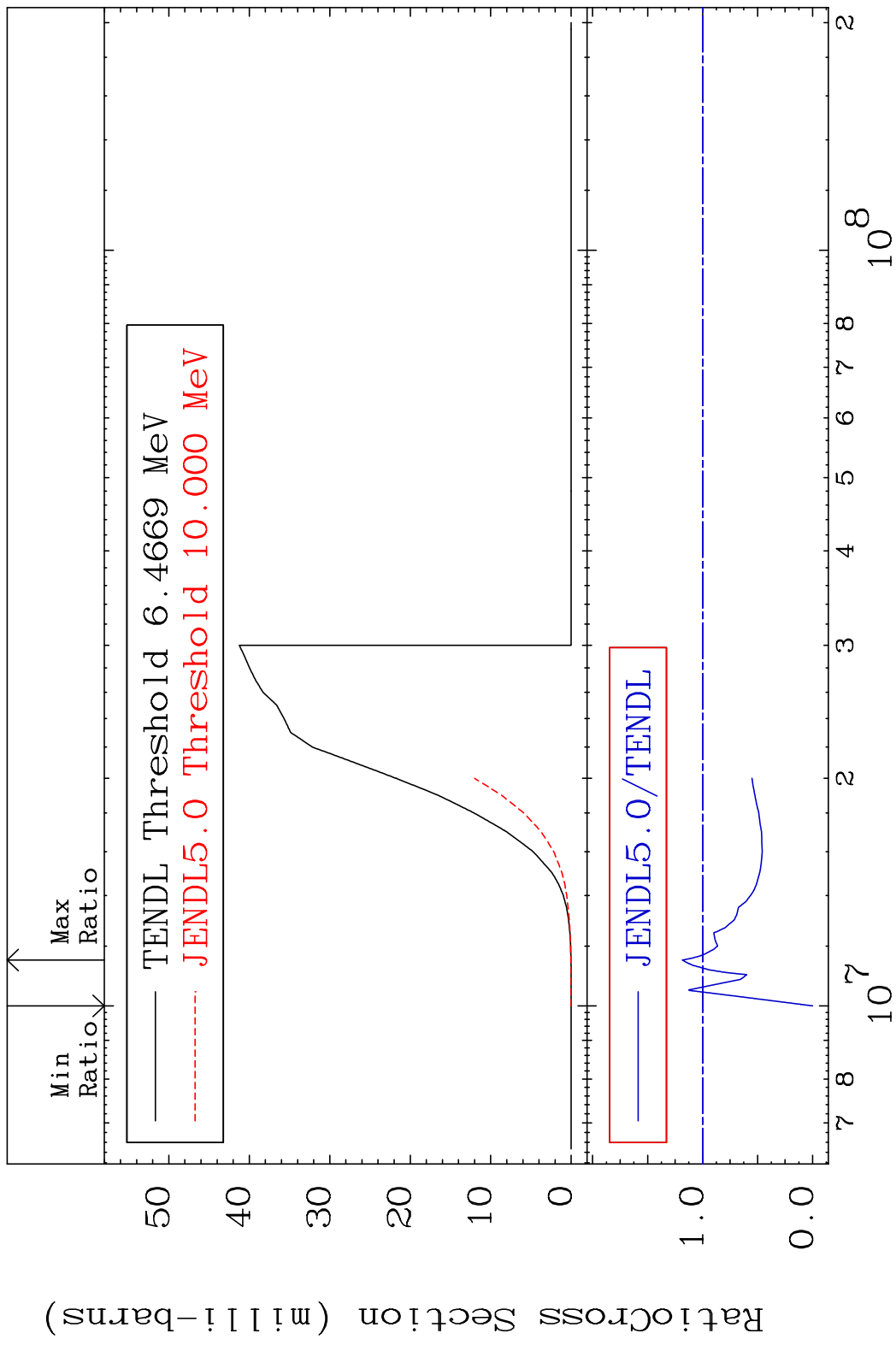
56

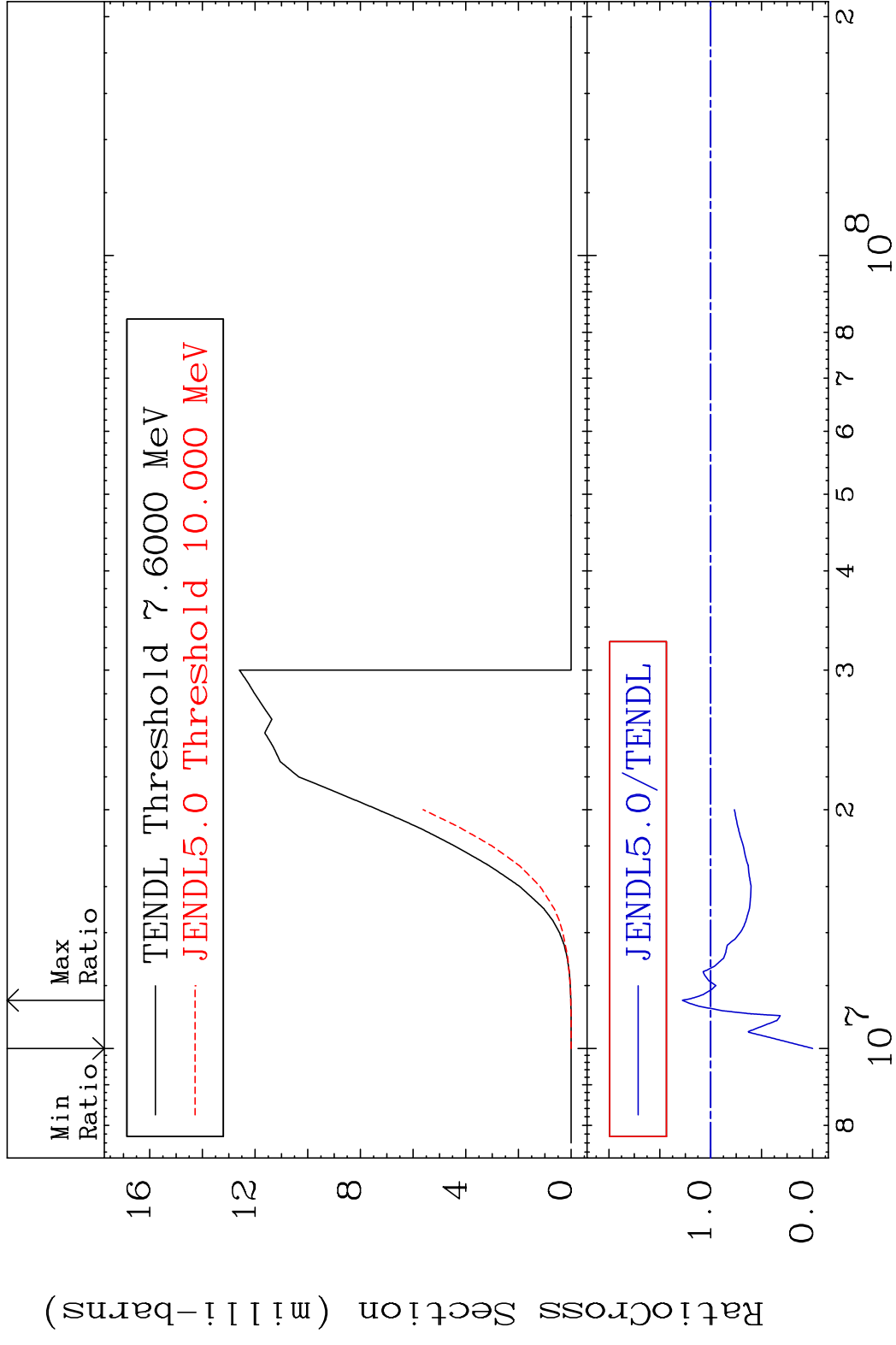
Incident Energy (eV)

68-Er-162

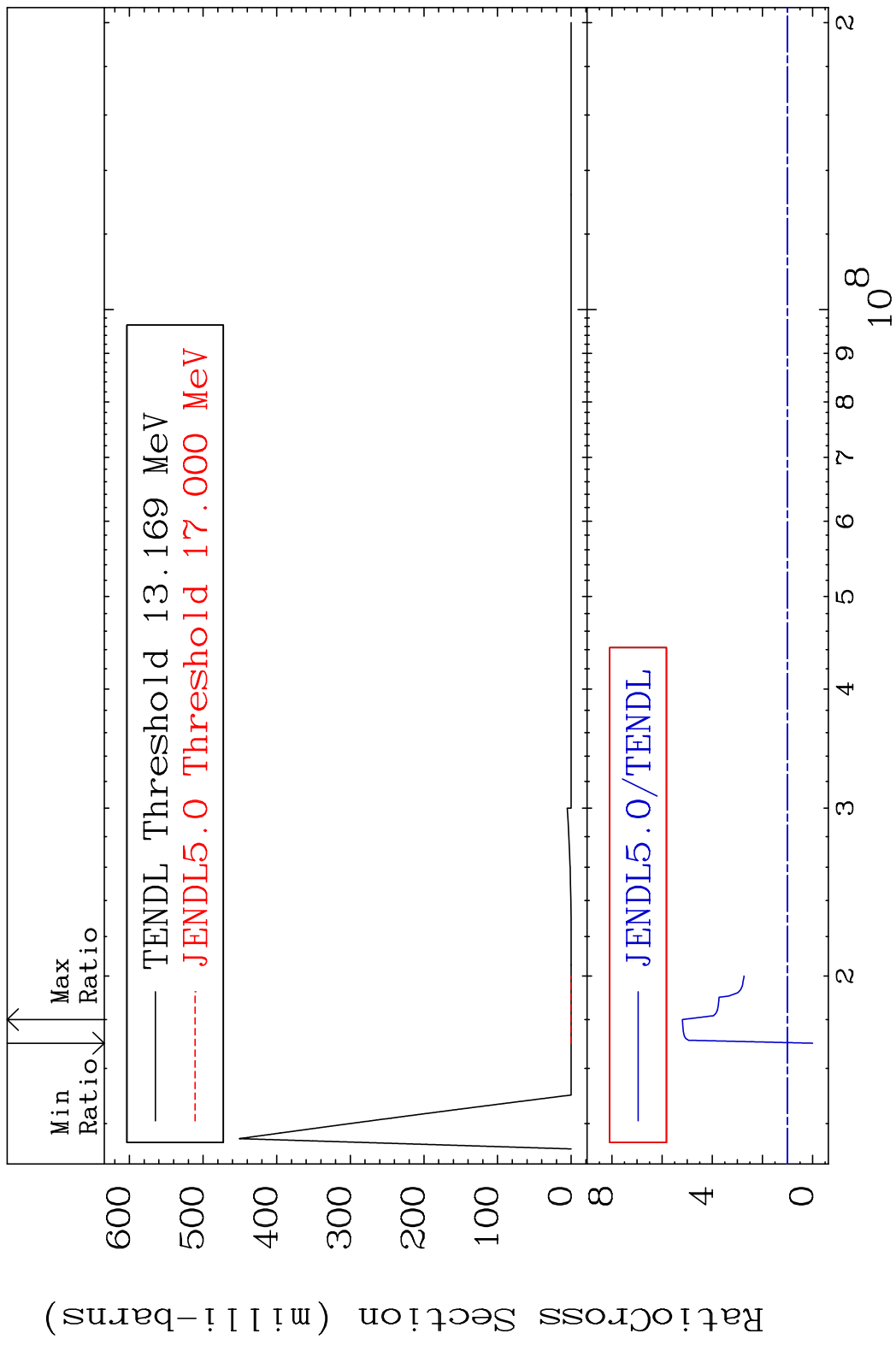
MAT 6825 Dpa disappearance (mt102 -120) 68-Er-162
 Cross Section -99.92 To 9999. %

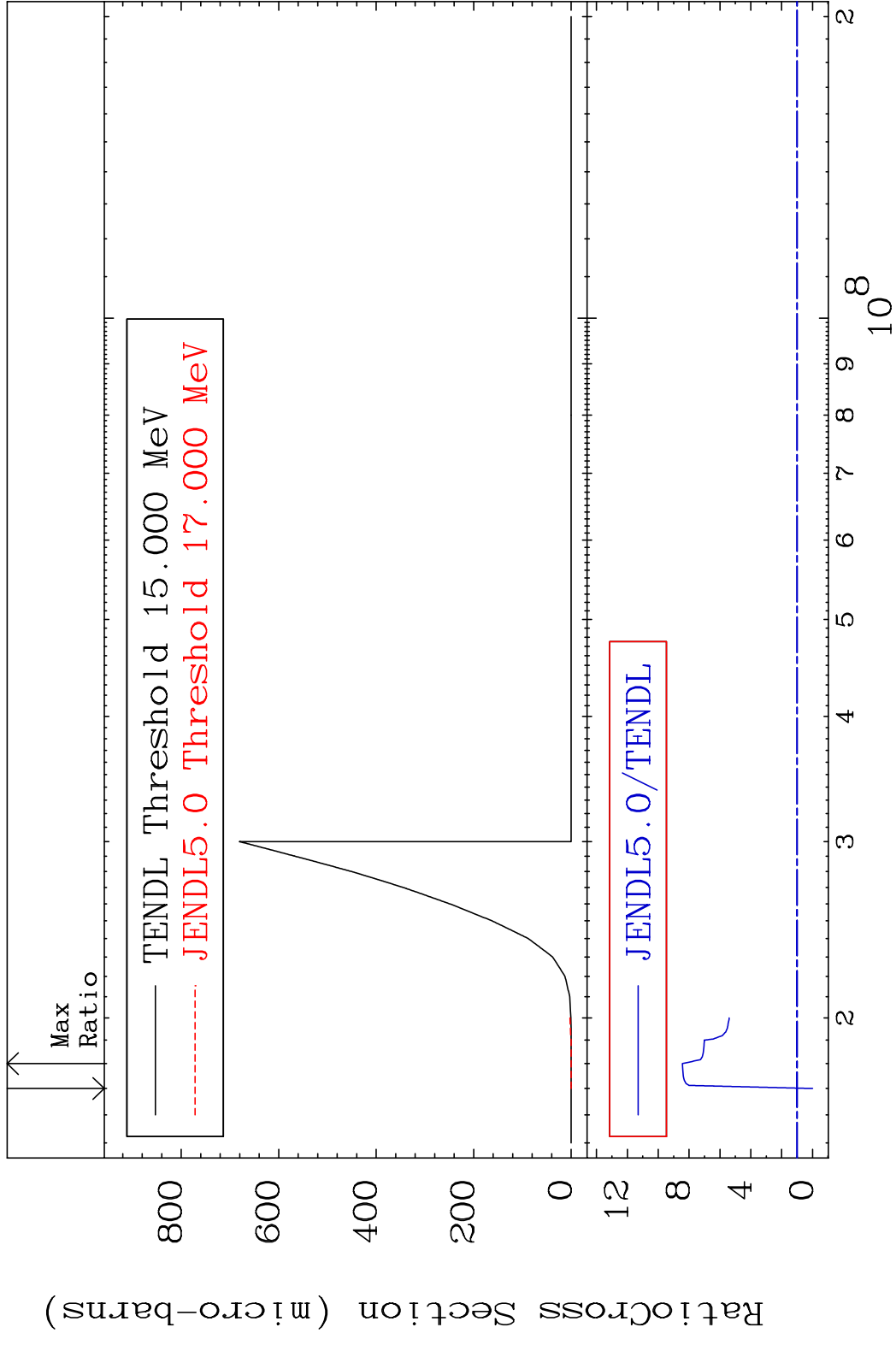




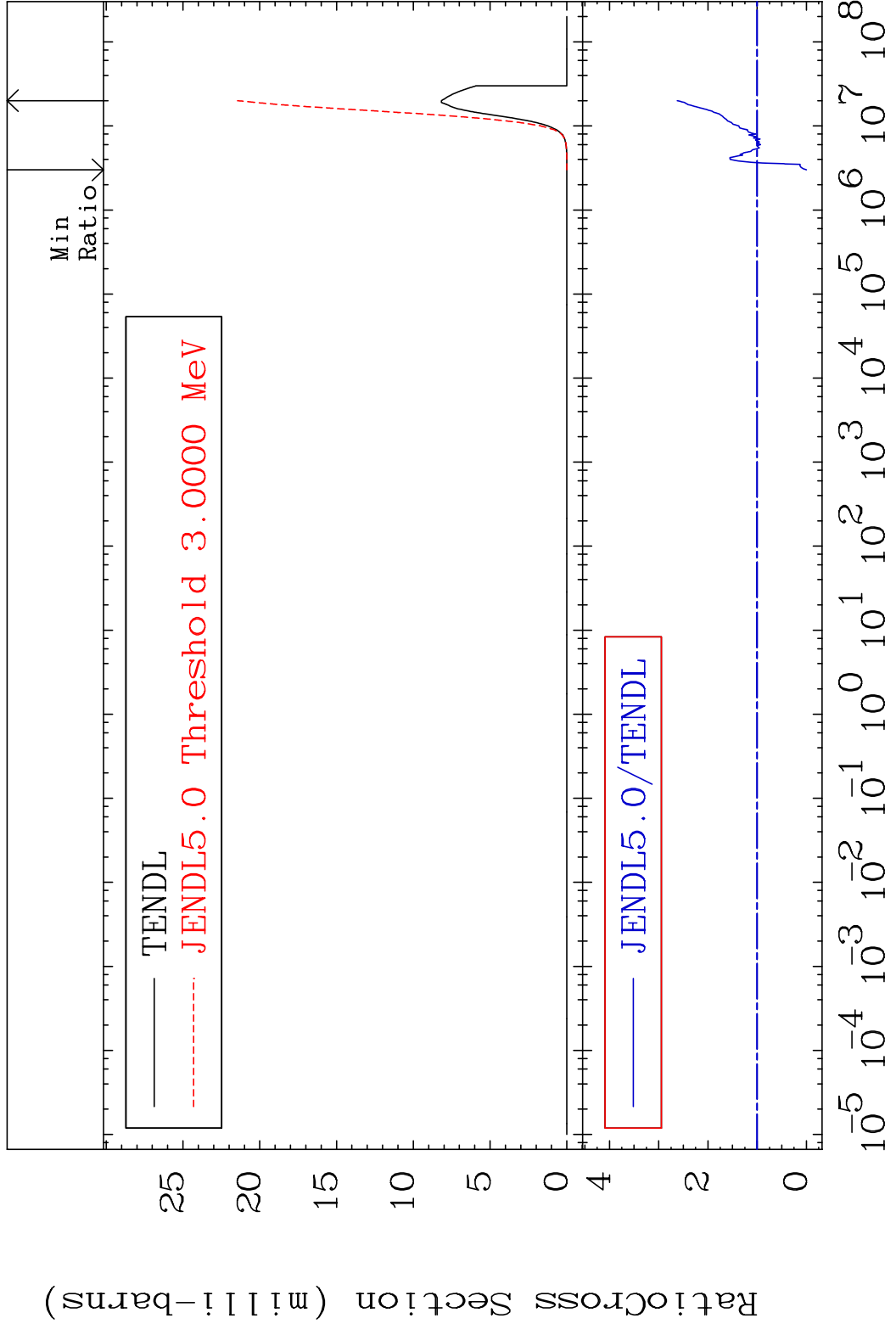


MAT 6825 (n, n') d:67-Ho-160g 68-Er-162
 Radionuclide Production Cross Section 180.0 dth 419.0 %

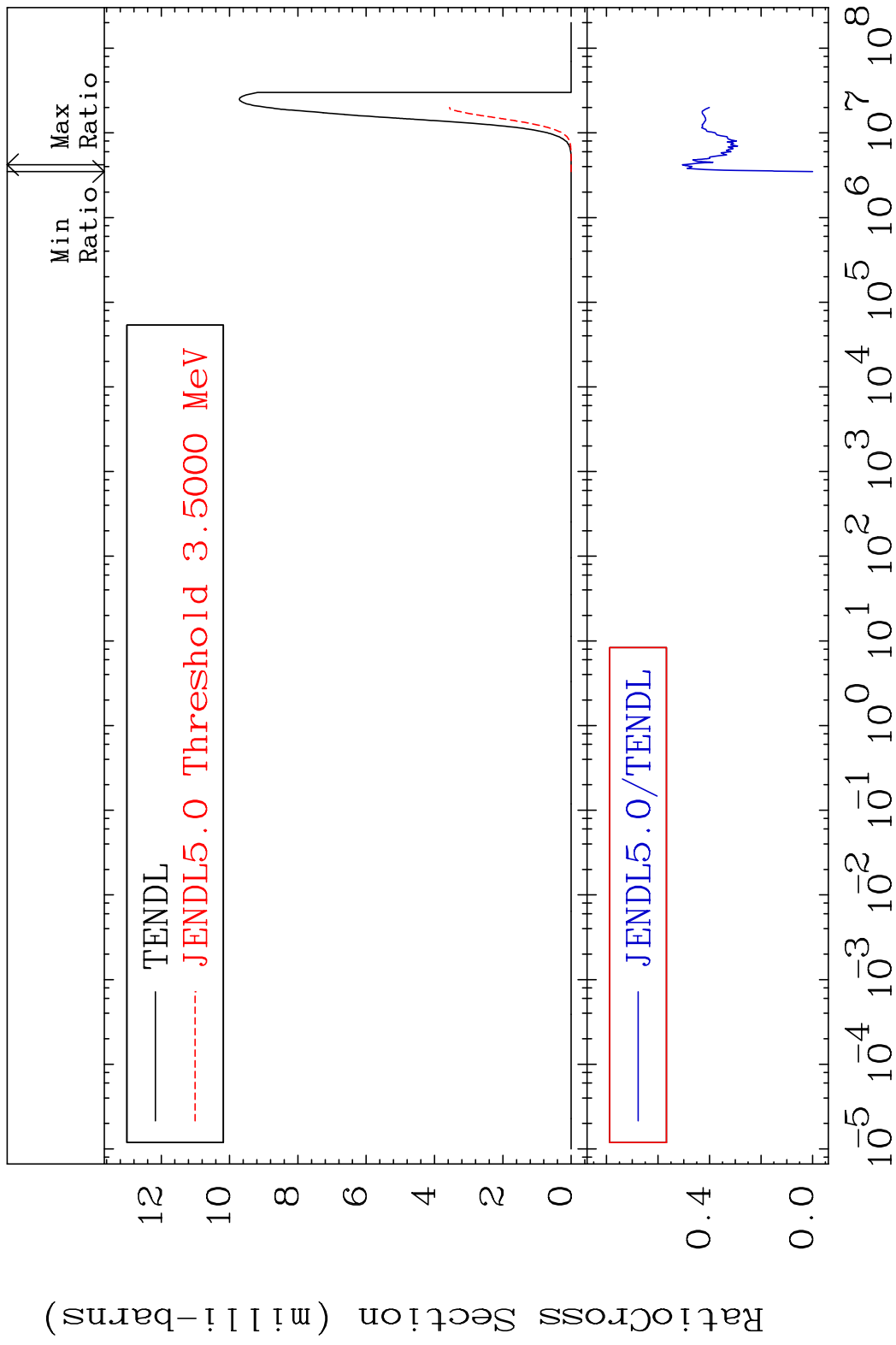


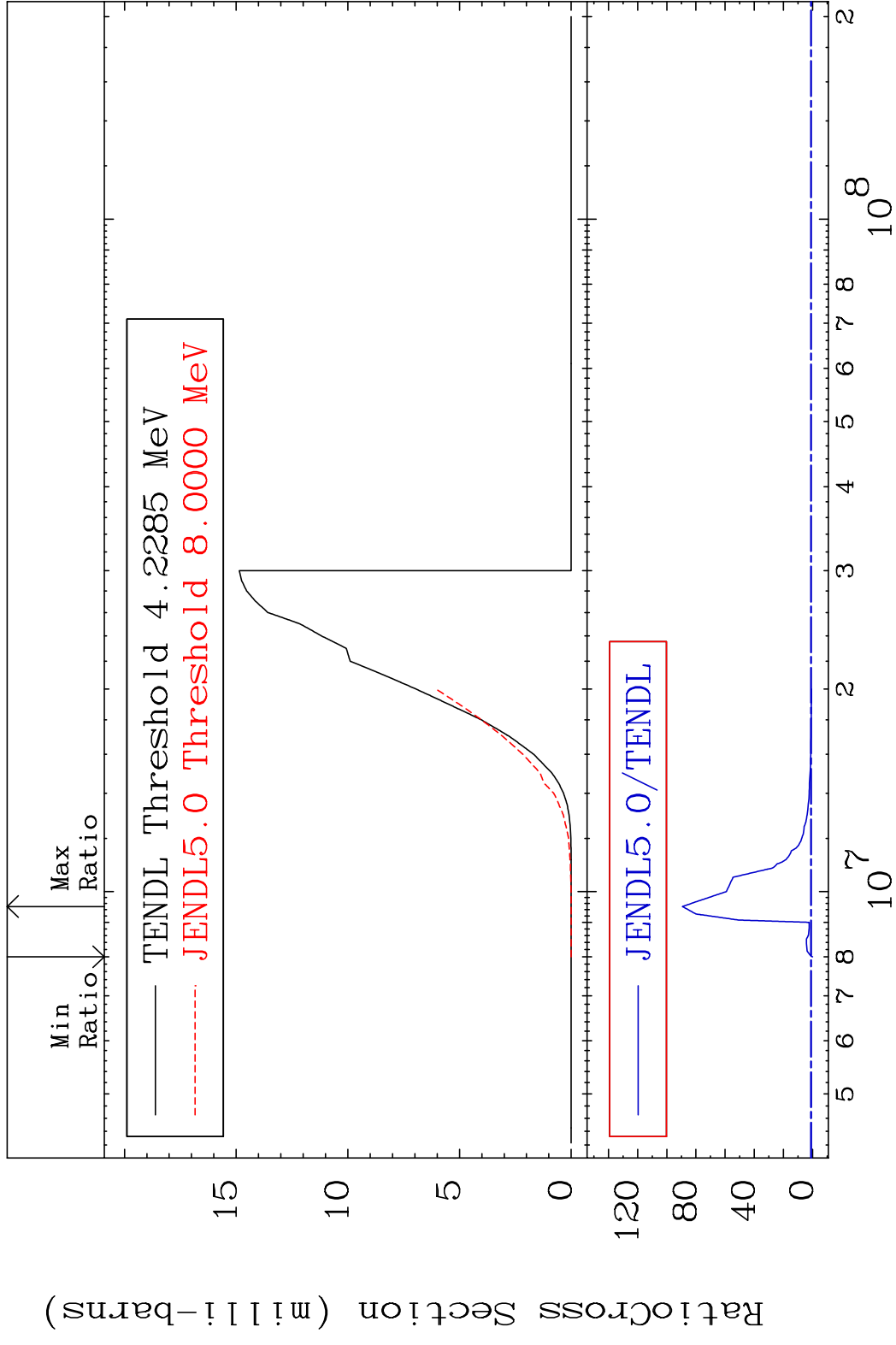


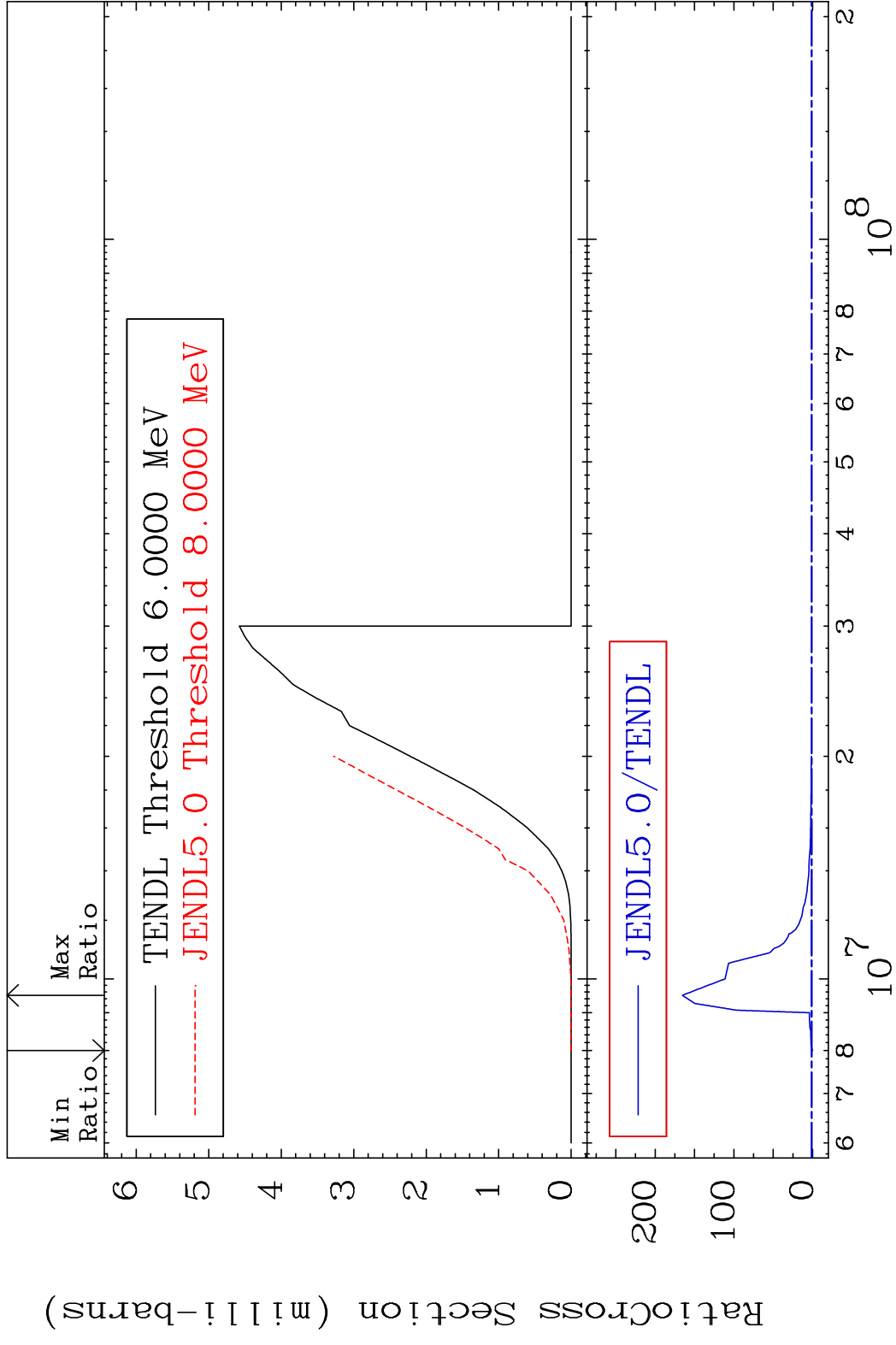
MAT 6825 (n,p):67-Ho-162g 68-Er-162
 Radionuclide Production Cross Section 100.0% to 162.5 %

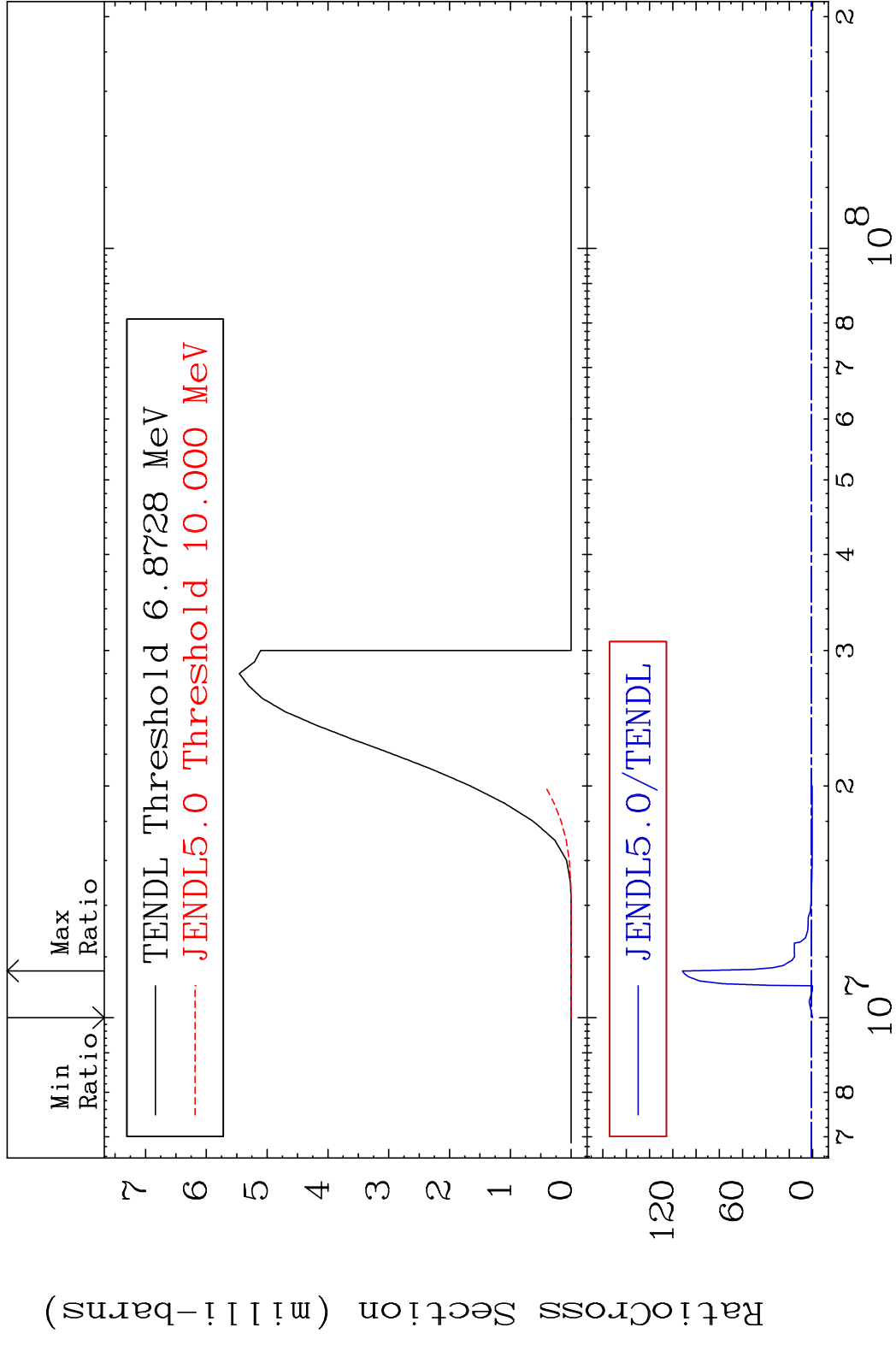


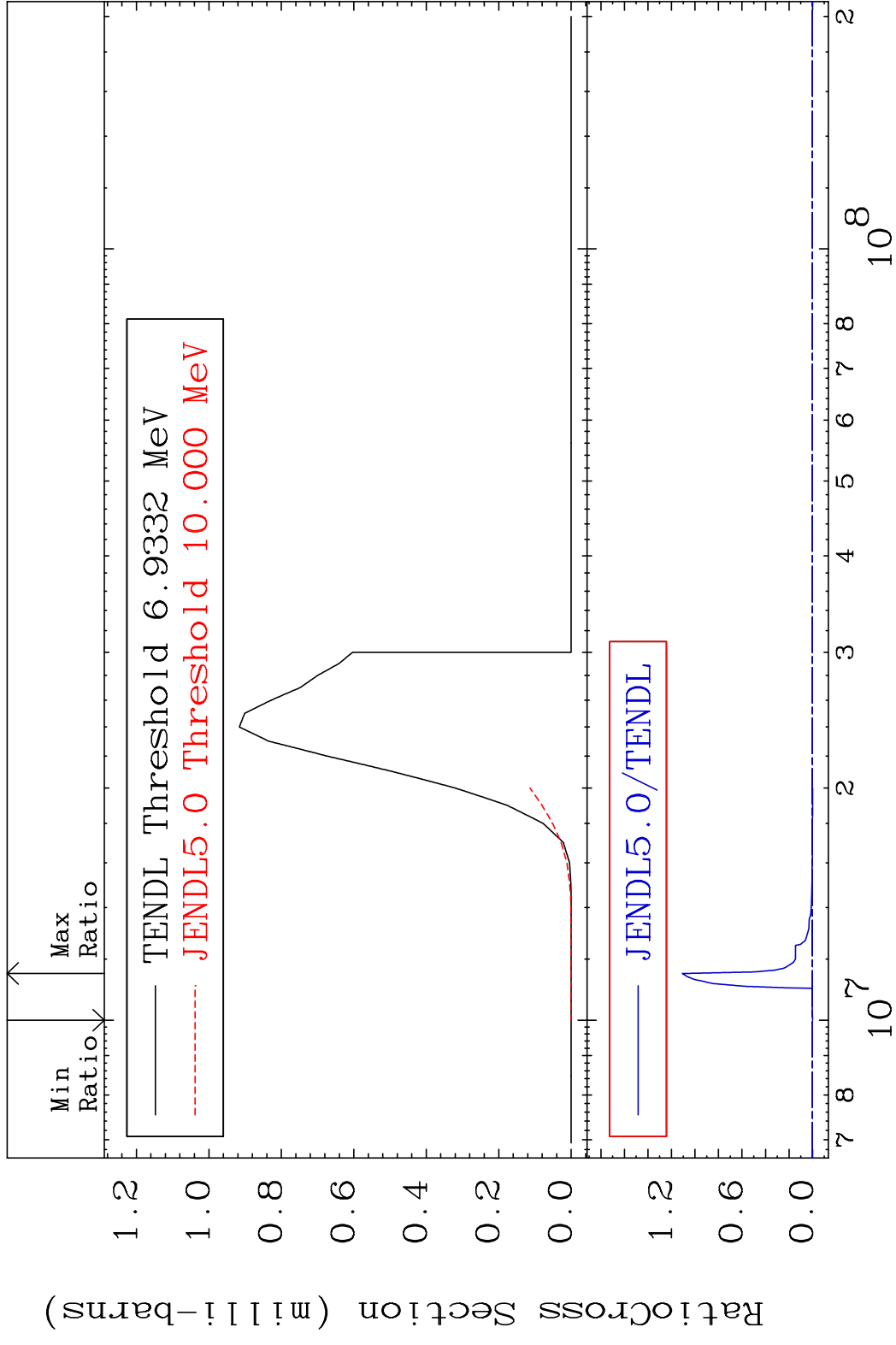
62 Incident Energy (eV) 68-Er-162









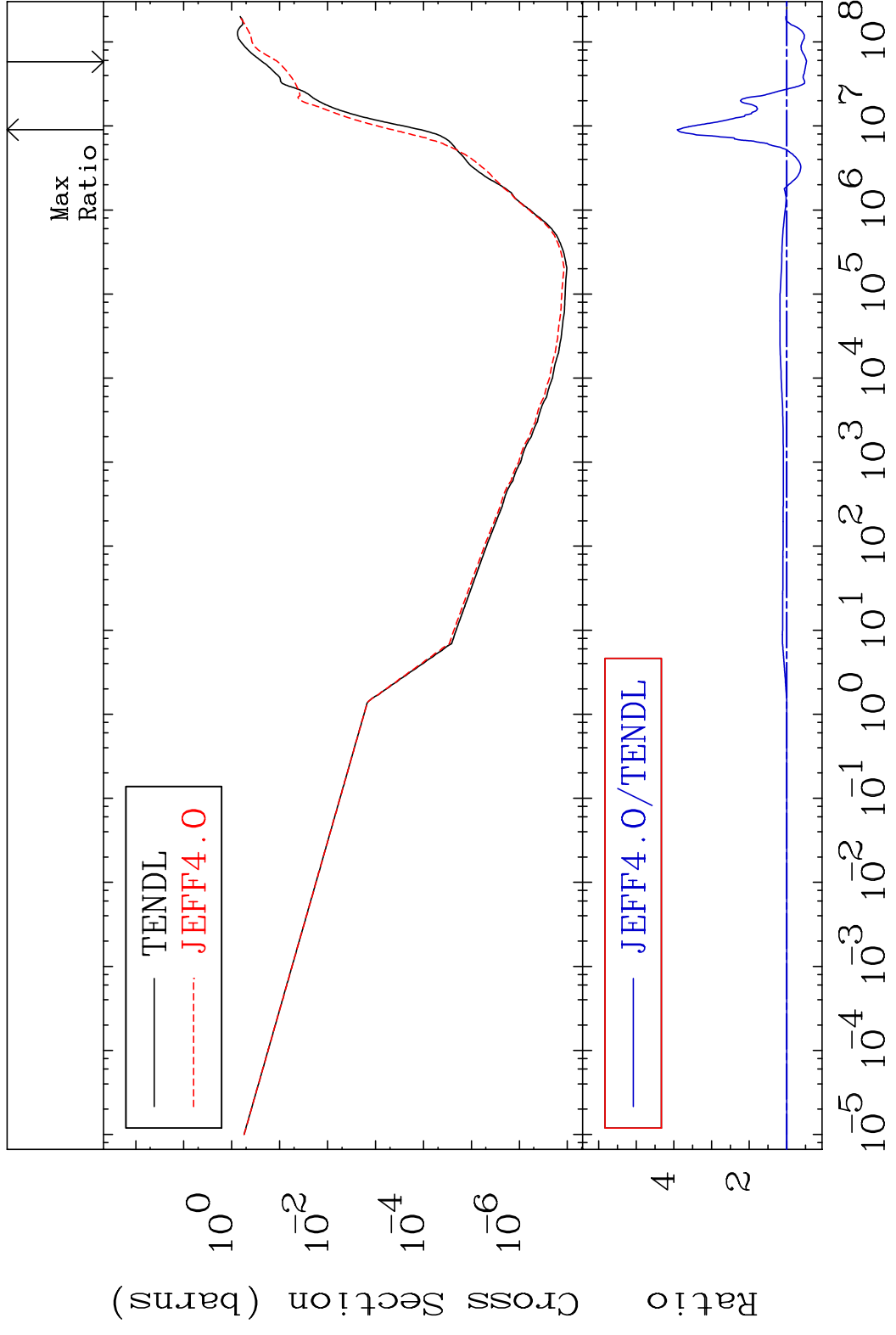


MAT 6825

He-4 Production

68-Er-162

Cross Section -52.02 To 291.3 %

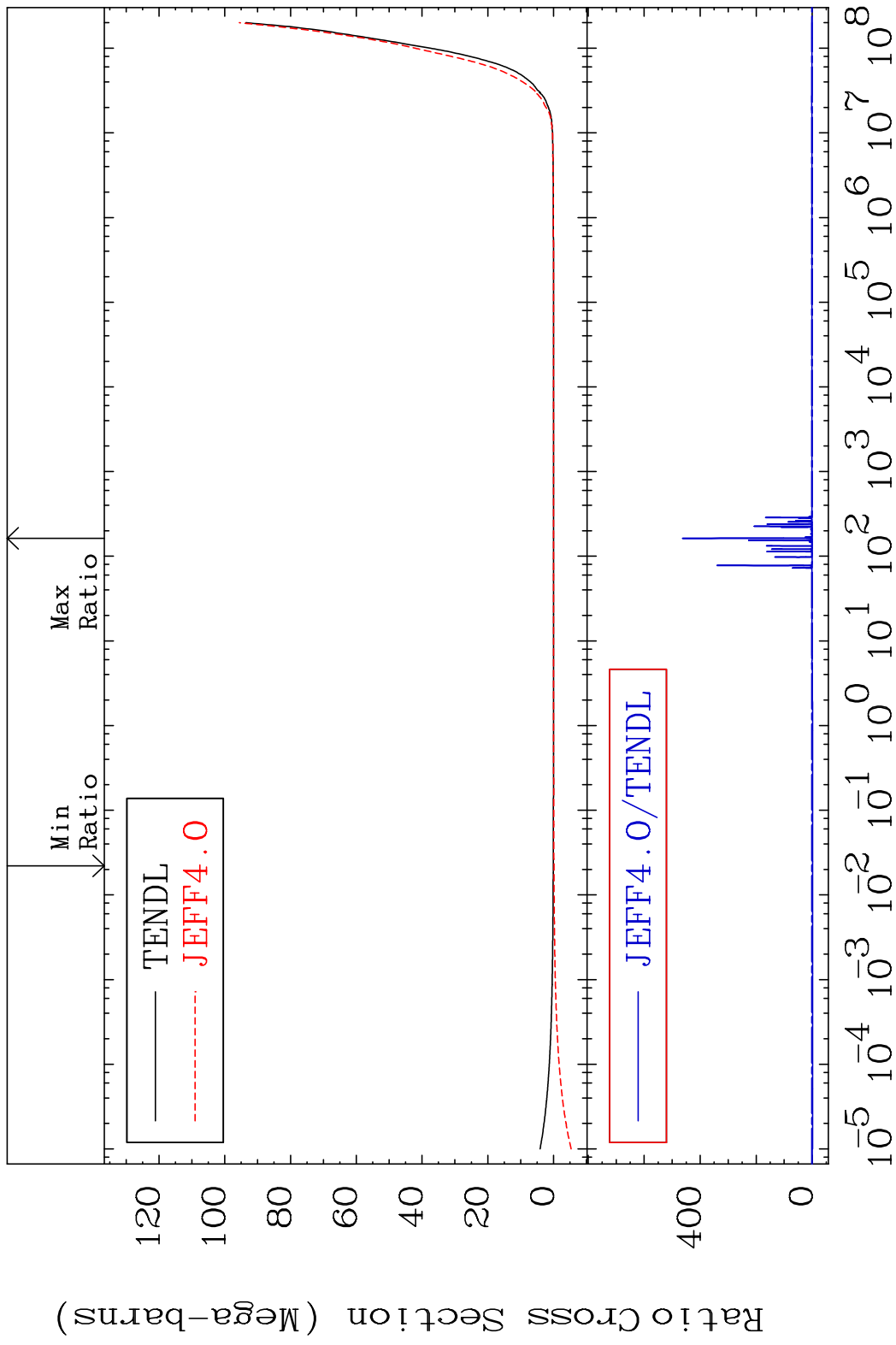


68

Incident Energy (eV)

68-Er-162

MAT 6825 Kerma total (eV-barns) 68-Er-162
 Cross Section -230.7 To 9999. %



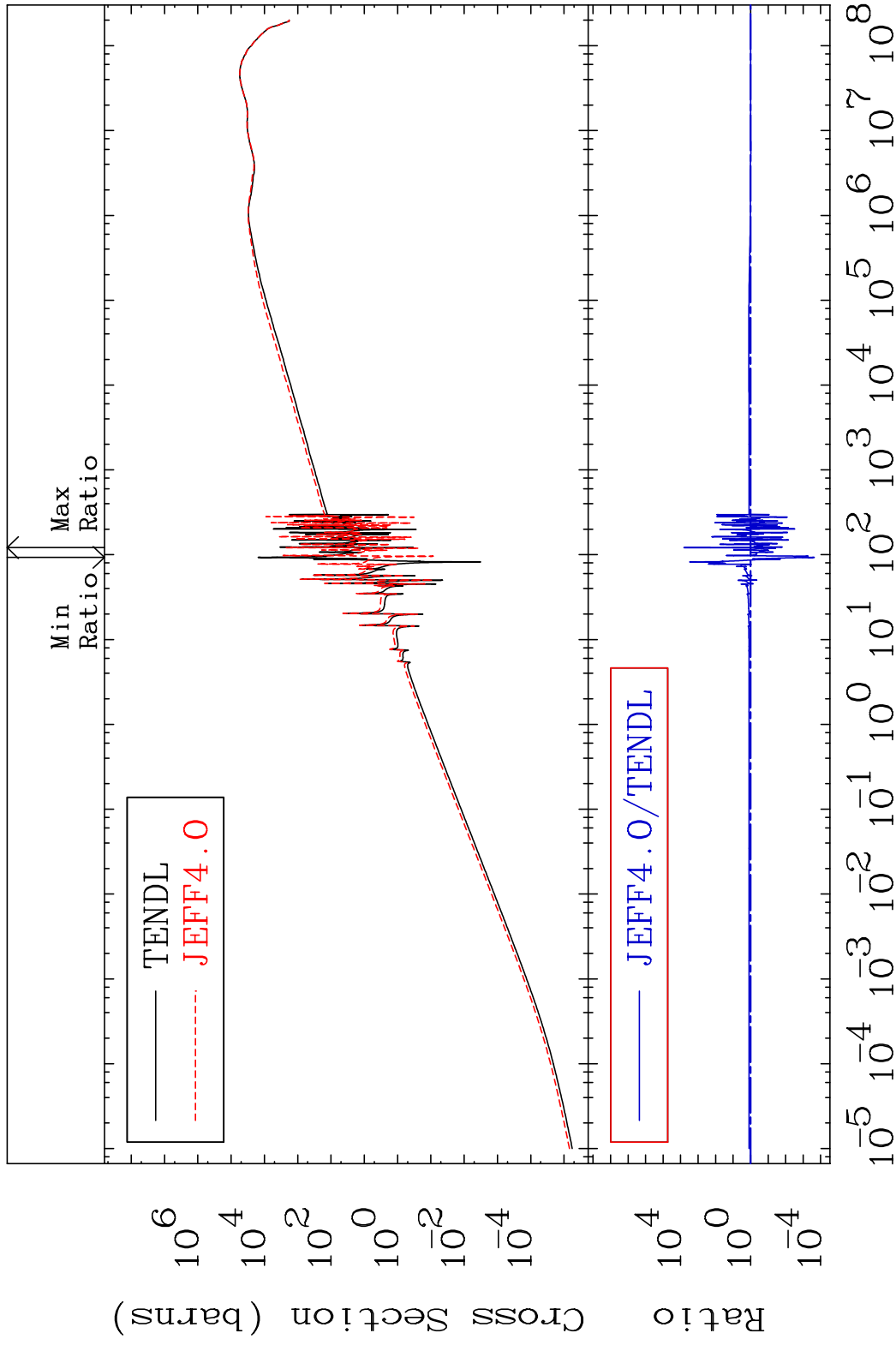
69 Incident Energy (eV) 68-Er-162

MAT 6825

Kerma elastic

68-Er-162

Cross Section -99.98 To 9999. %

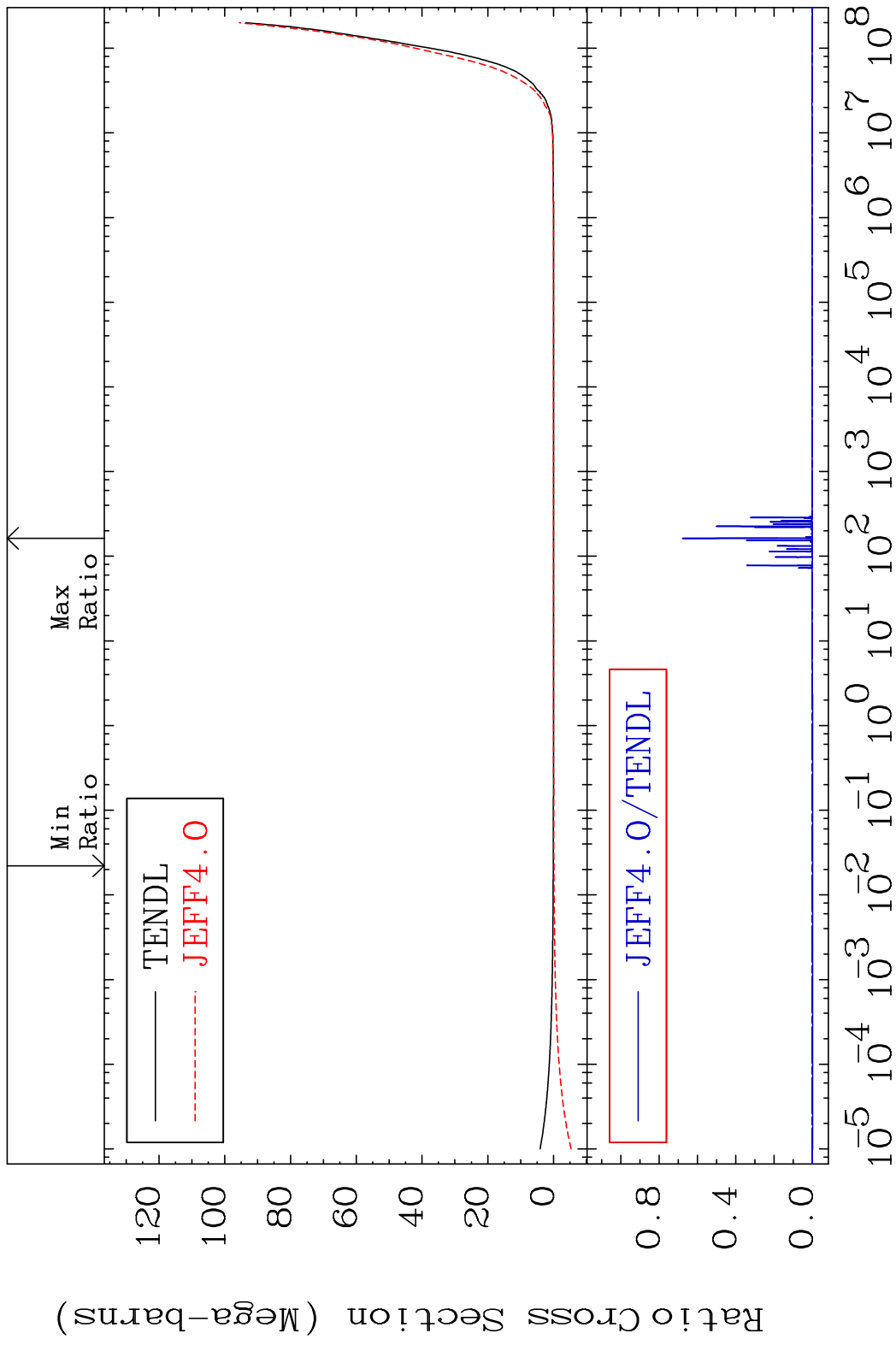


70

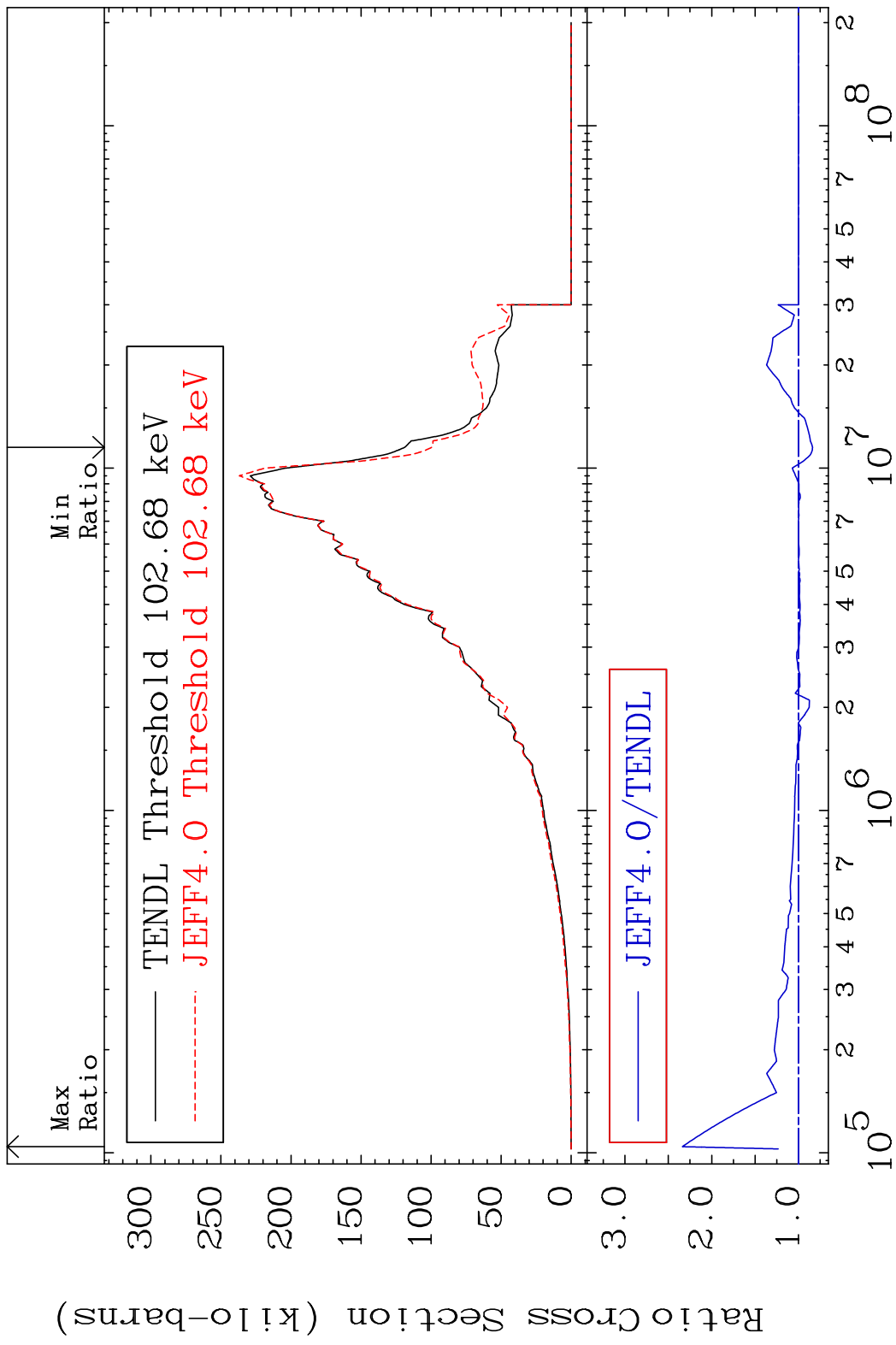
Incident Energy (eV)

68-Er-162

MAT 6825 Kerma non-elastic (all but mt2) 68-Er-162
 Cross Section -230.7 To 9999. %

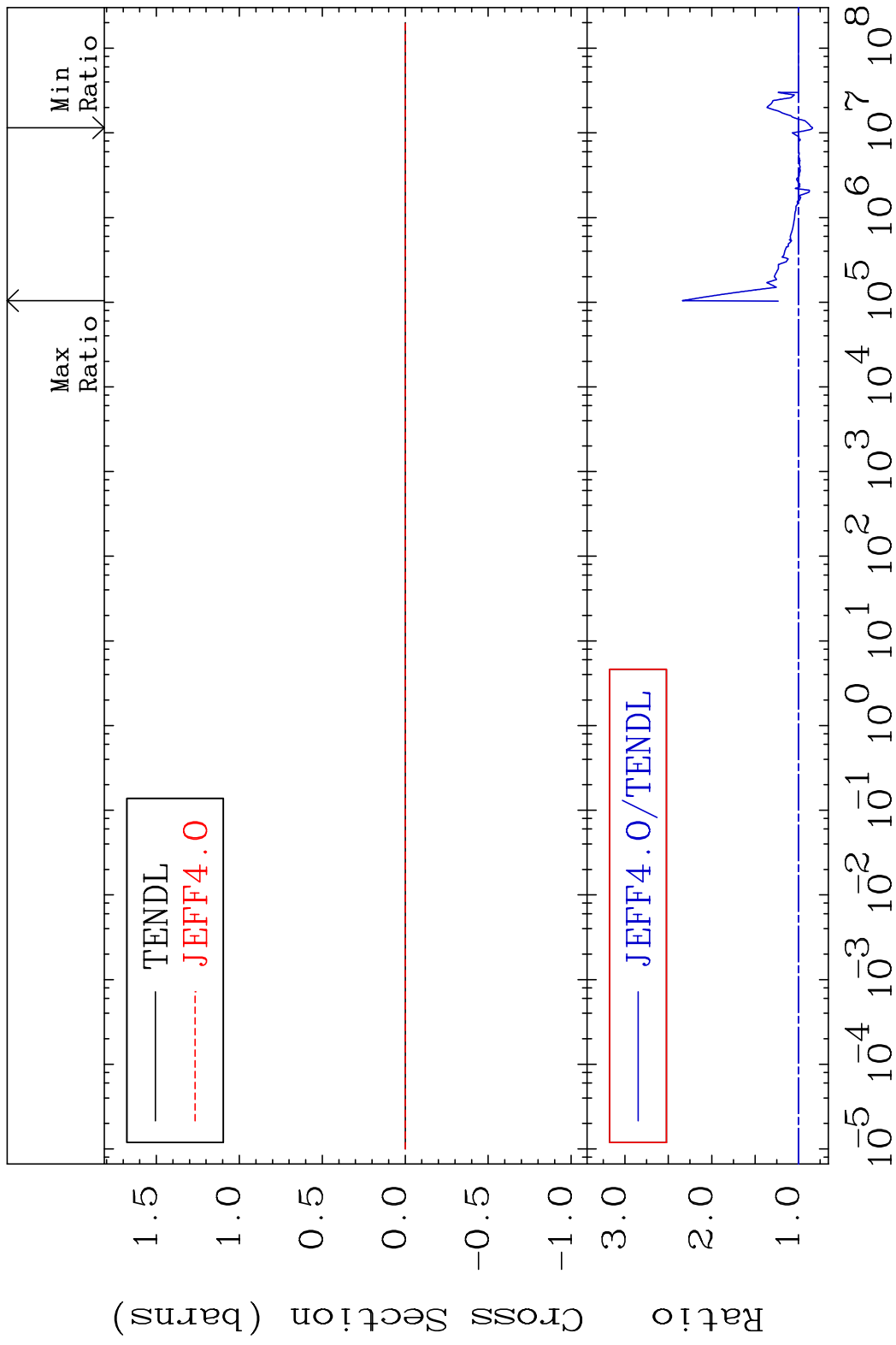


MAT 6825 Kerma inelastic (mt51-91) 68-Er-162
Cross Section -16.16 To 133.8 %



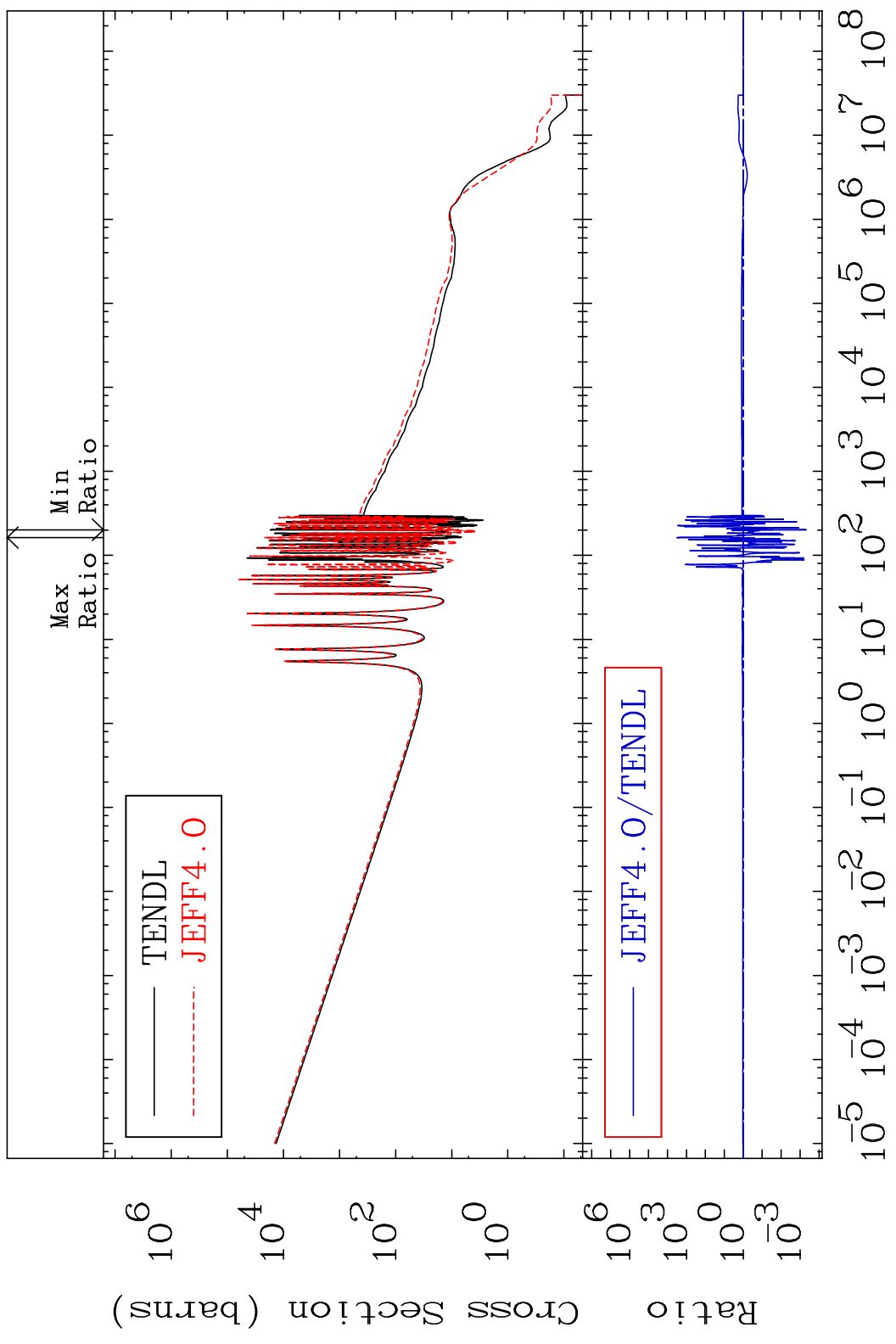
72 68-Er-162

MAT 6825 Kerma fission (mt18 or mt19-20-21-38) 68-Er-162
 Cross Section -16.16 To 133.8 %

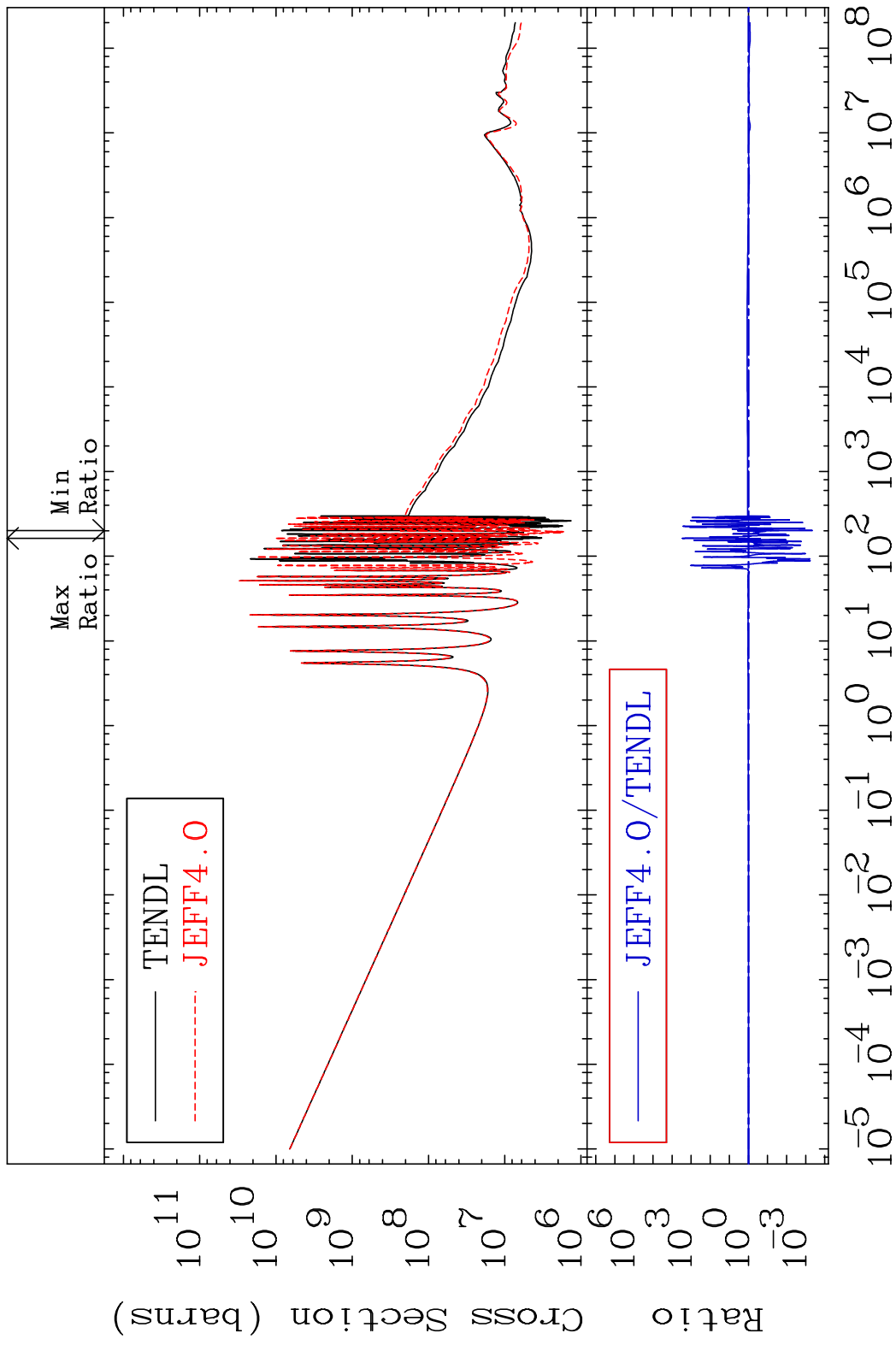


MAT 6825

Kerma capture (mt102) 68-Er-162
Cross Section -99.95 To 9999. %

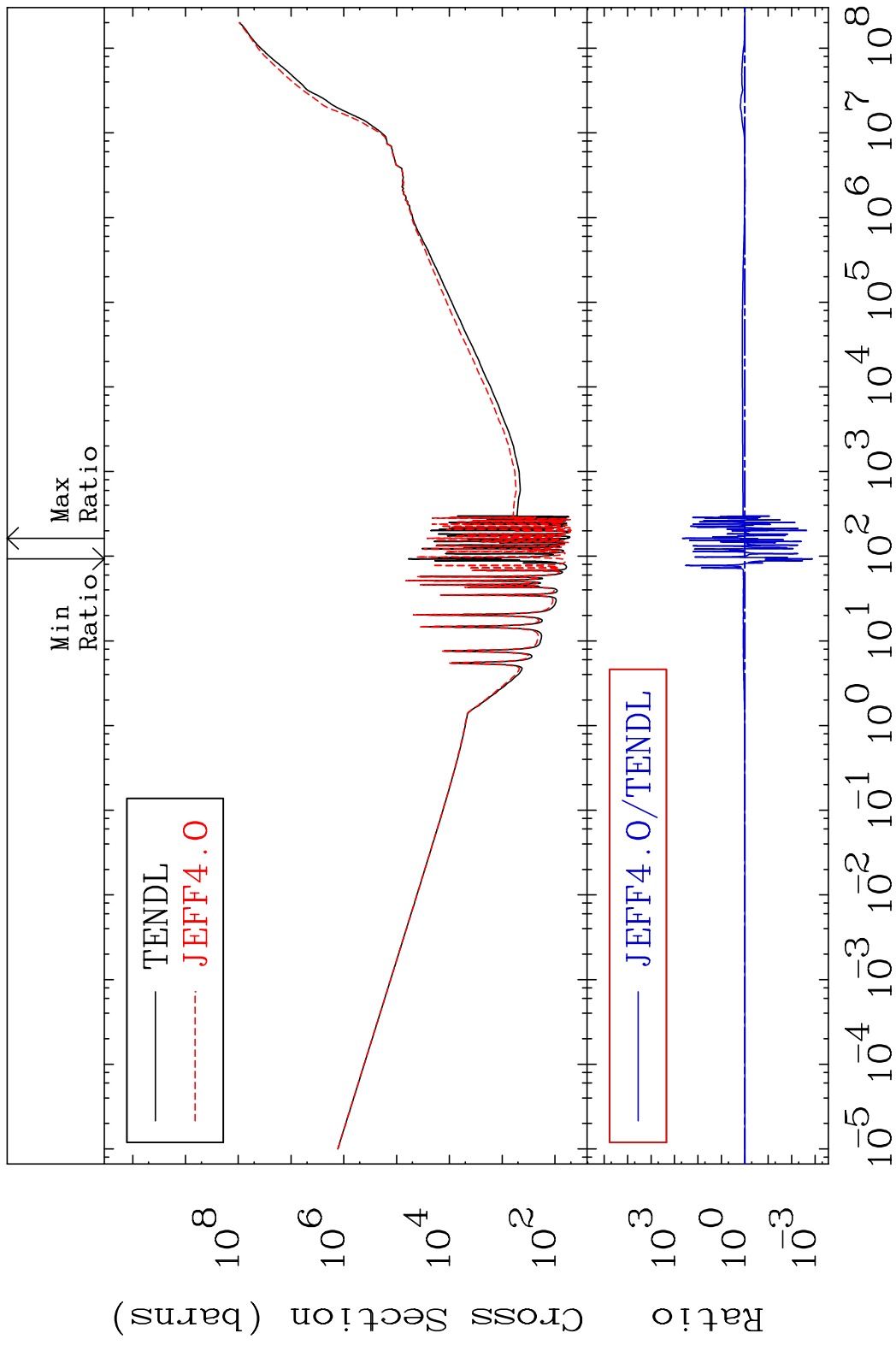


MAT 6825 Total photon (eV-barns) 68-Er-162
 Cross Section -99.96 To 9999. %



75 Incident Energy (eV) 68-Er-162

MAT 6825 Total kinematic kerma (high limit) 68-Er-162
 Cross Section -99.87 To 9999. %

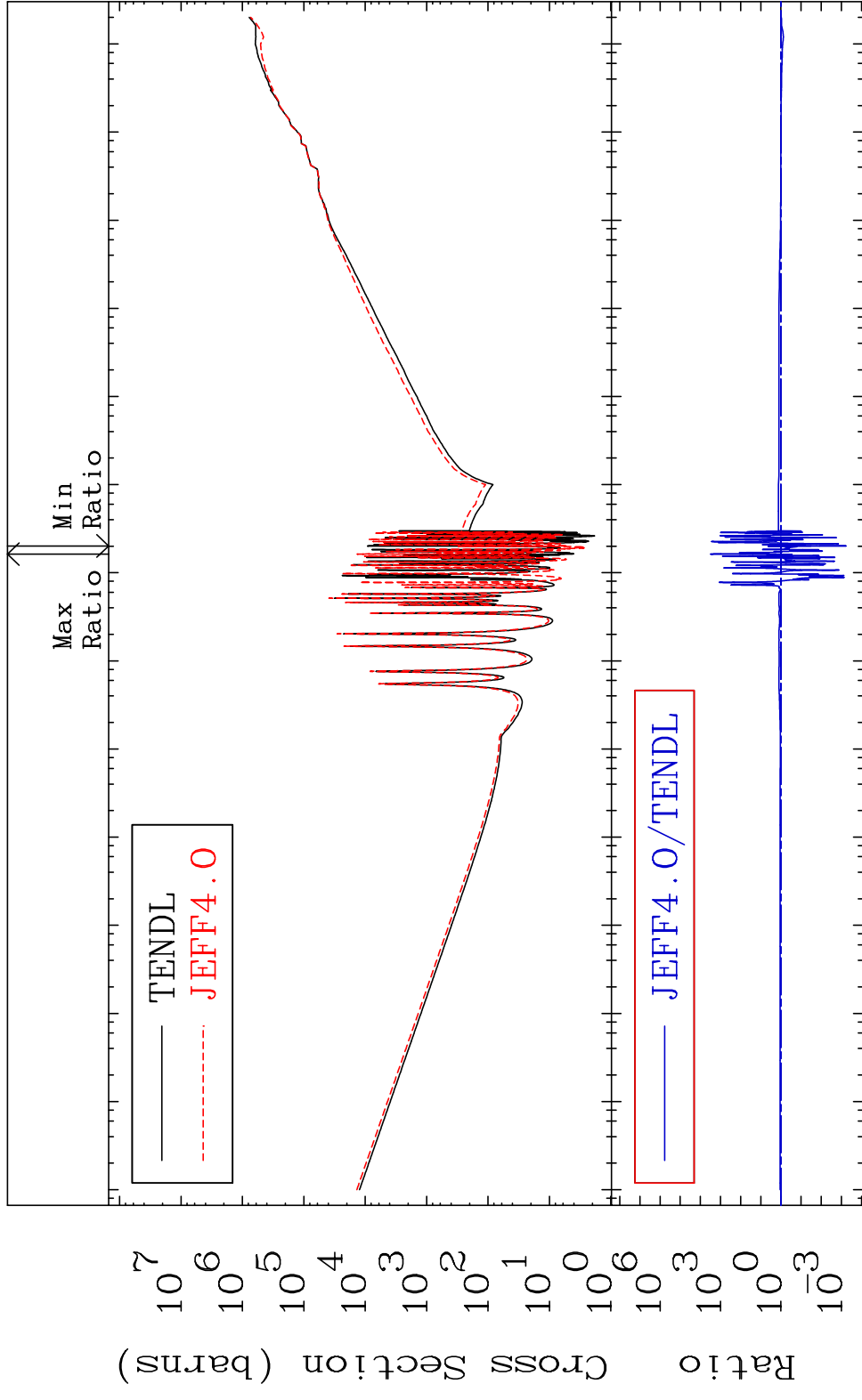


MAT 6825

Dpa total (eV-barns)

68-Er-162

Cross Section -99.94 To 9999. %



77

Incident Energy (eV)

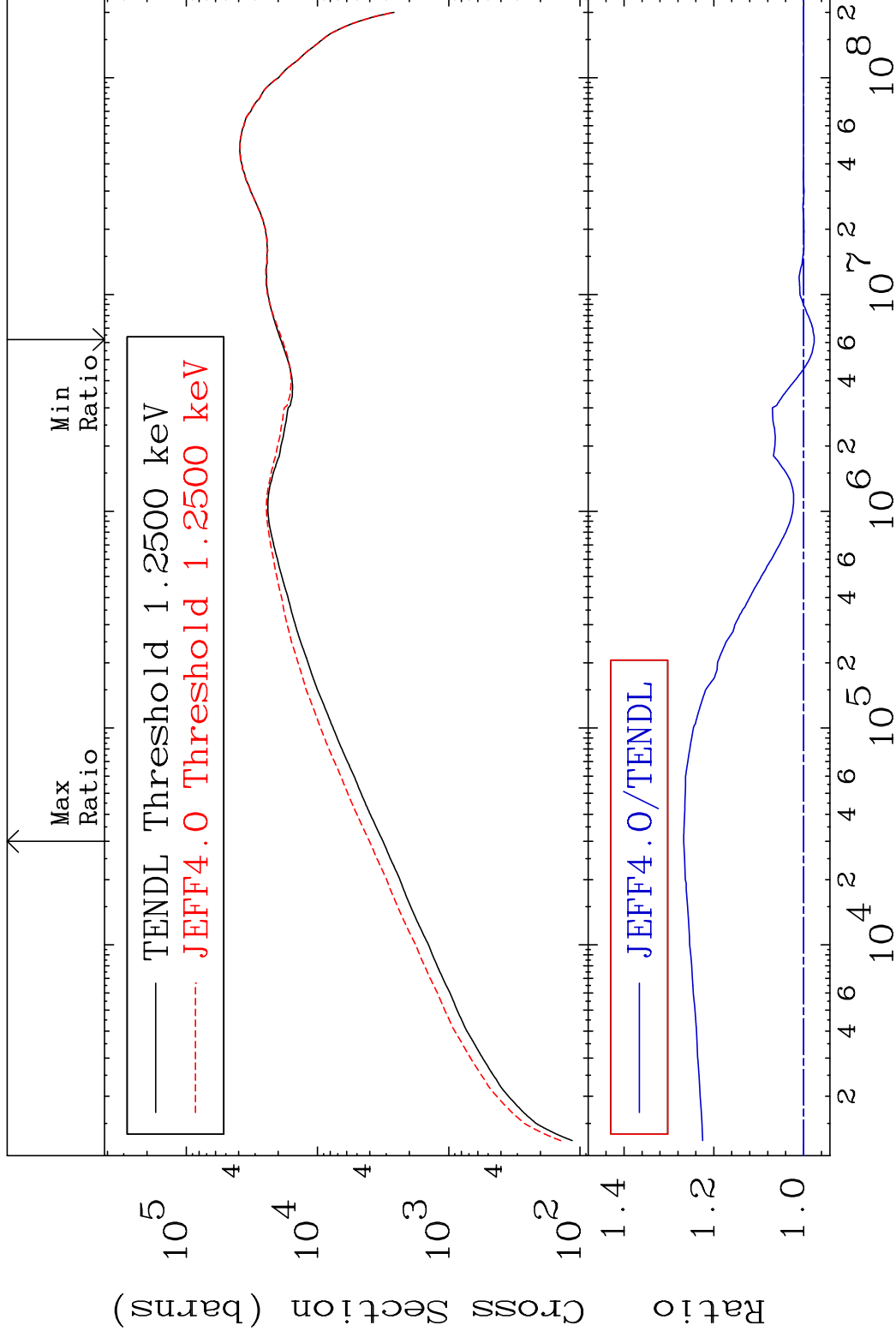
68-Er-162

MAT 6825

Dpa elastic (mt2)

68-Er-162

Cross Section -2.341 To 26.72 %



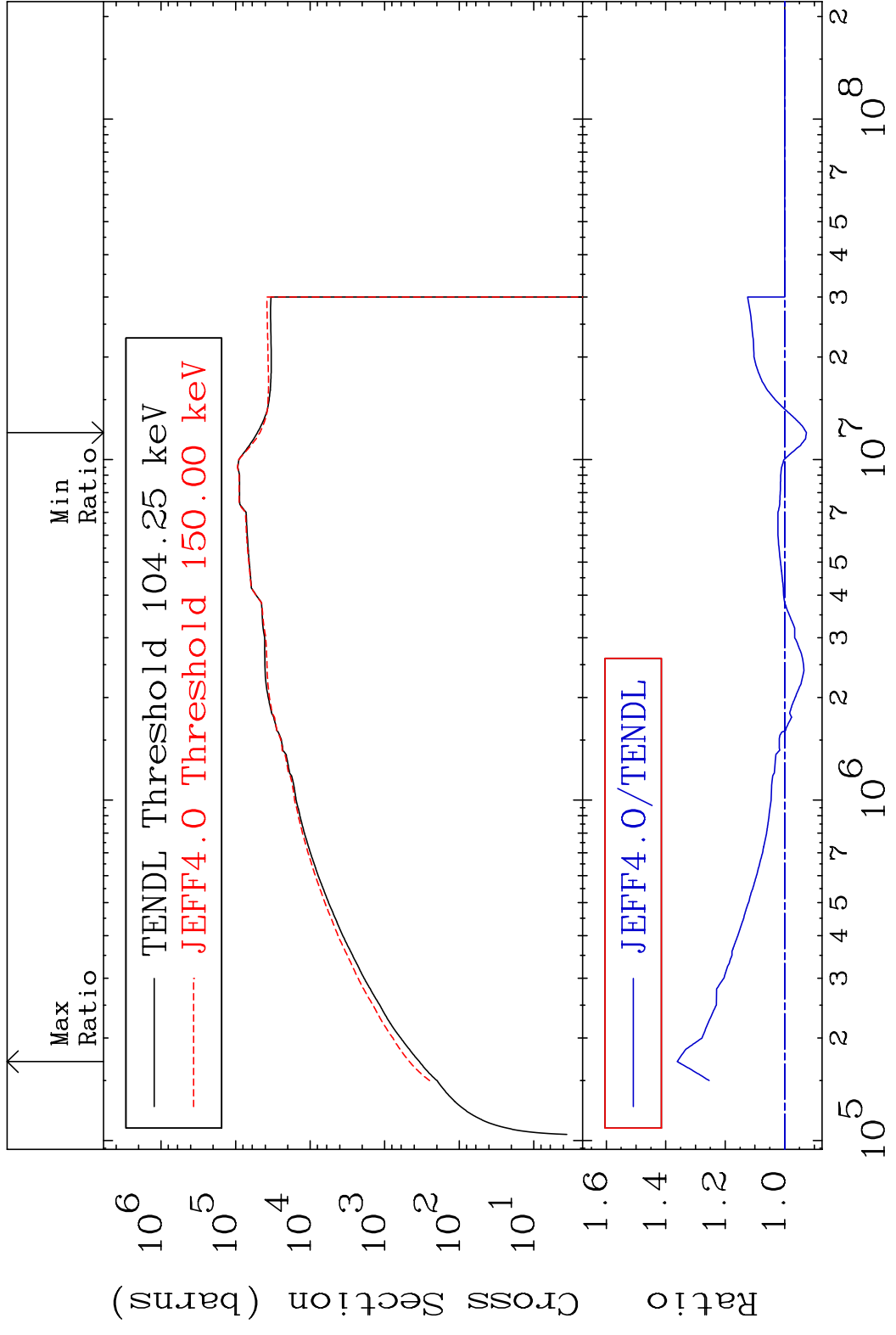
78

Incident Energy (eV)

68-Er-162

MAT 6825

Dpa inelastic (mt51-91) 68-Er-162
Cross Section -7.315 To 36.15 %

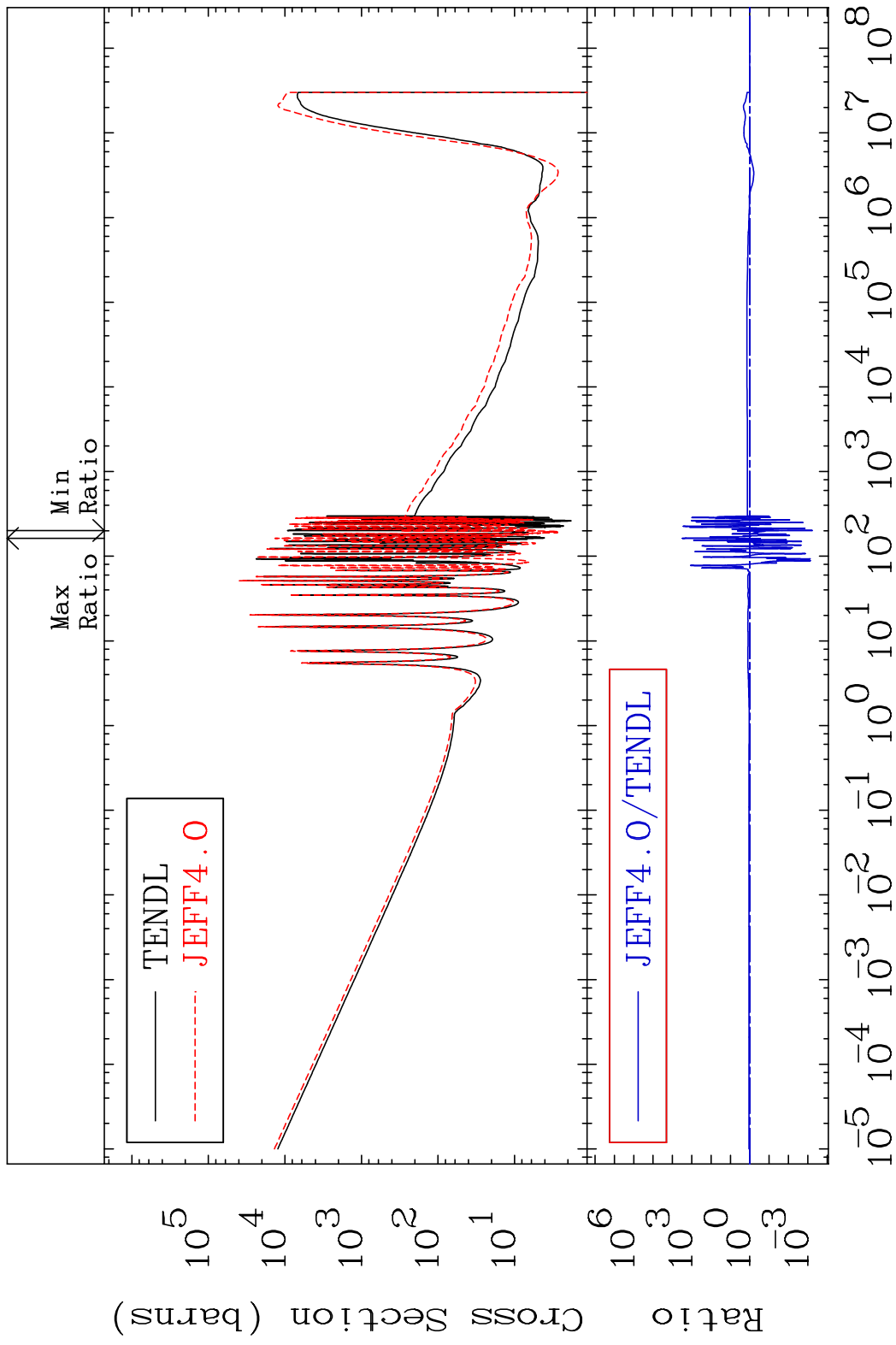


79

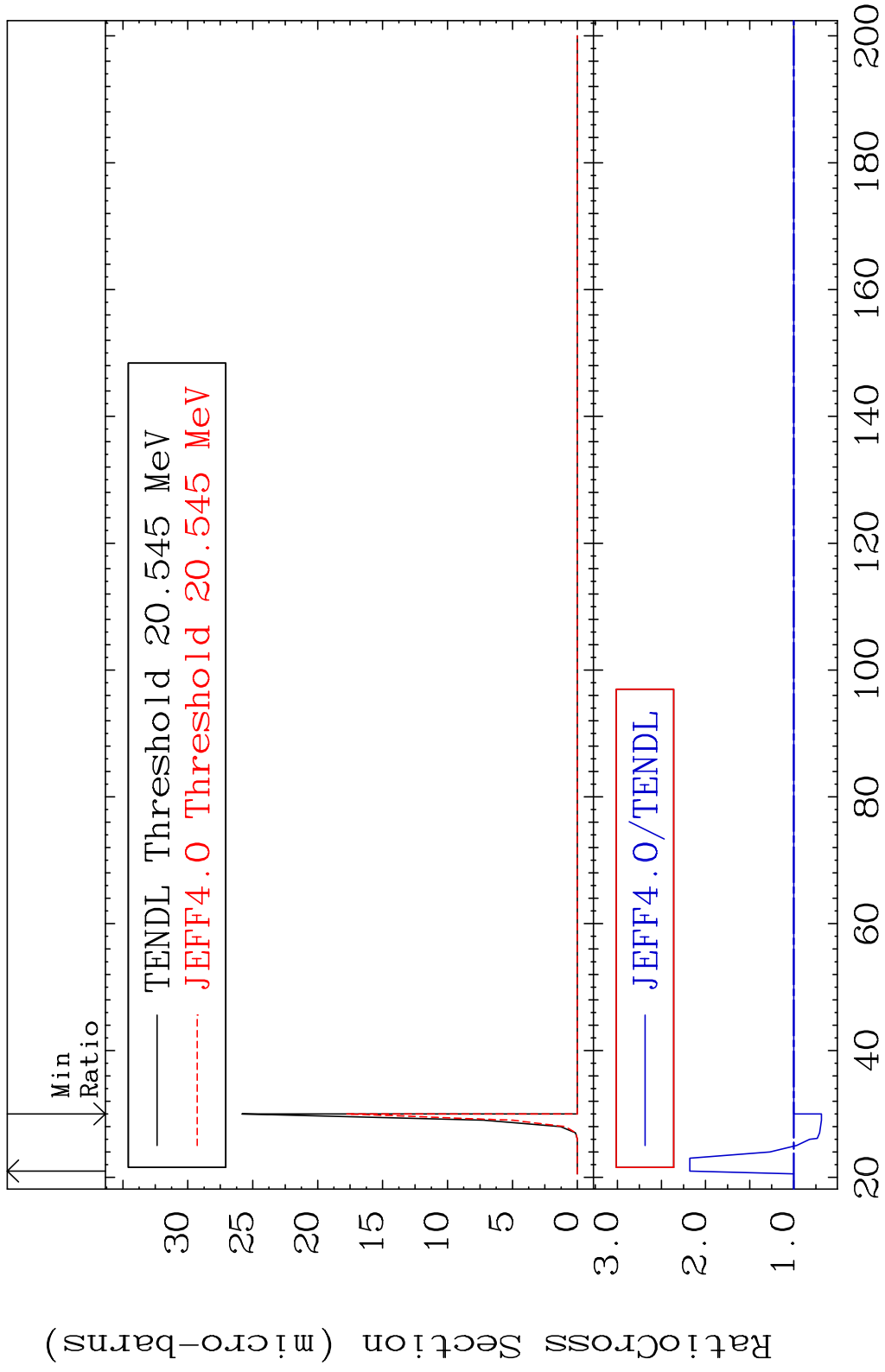
Incident Energy (eV)

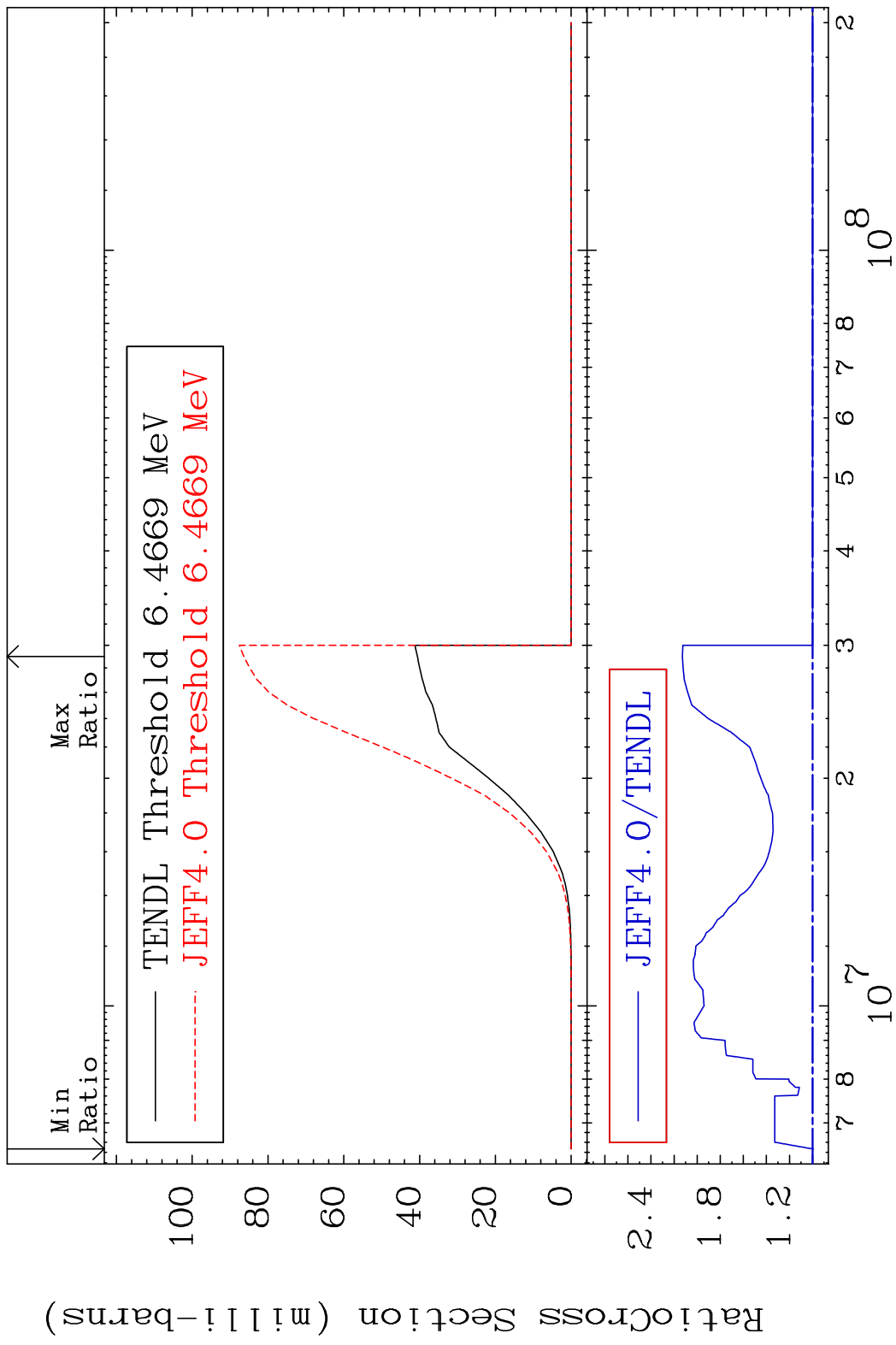
68-Er-162

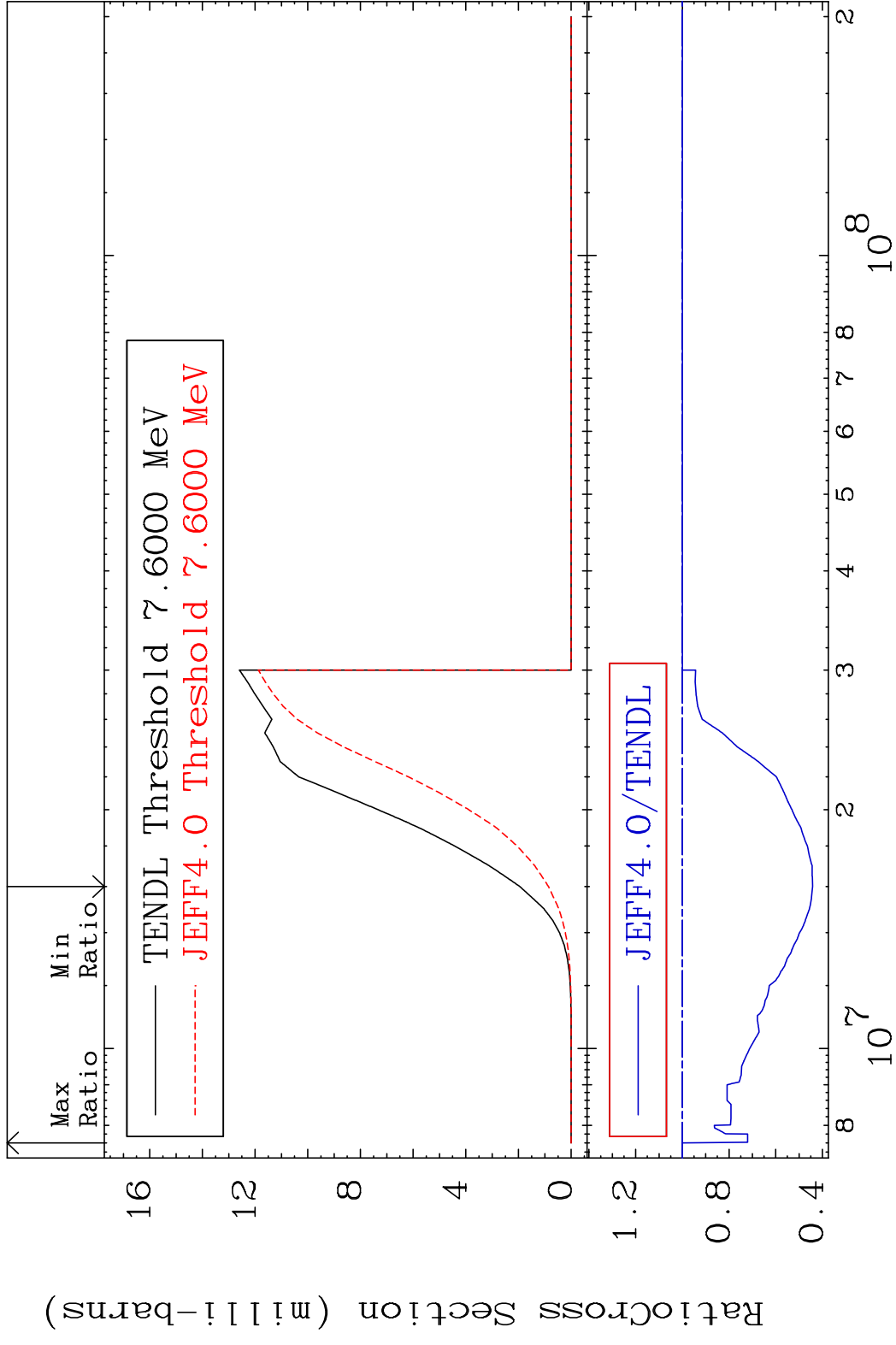
MAT 6825 Dpa disappearance (mt102 -120) 68-Er-162
 Cross Section -99.94 To 9999. %

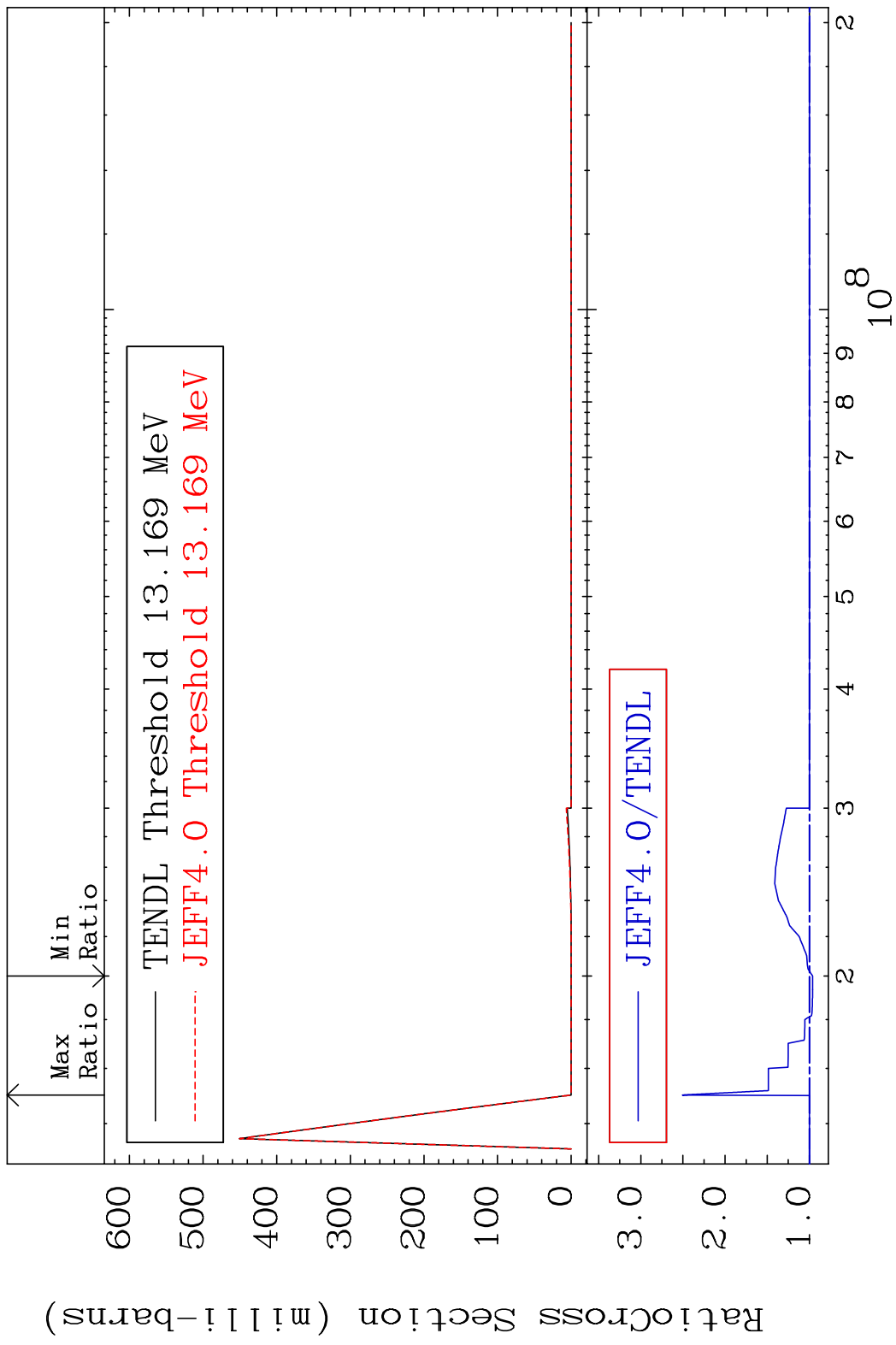


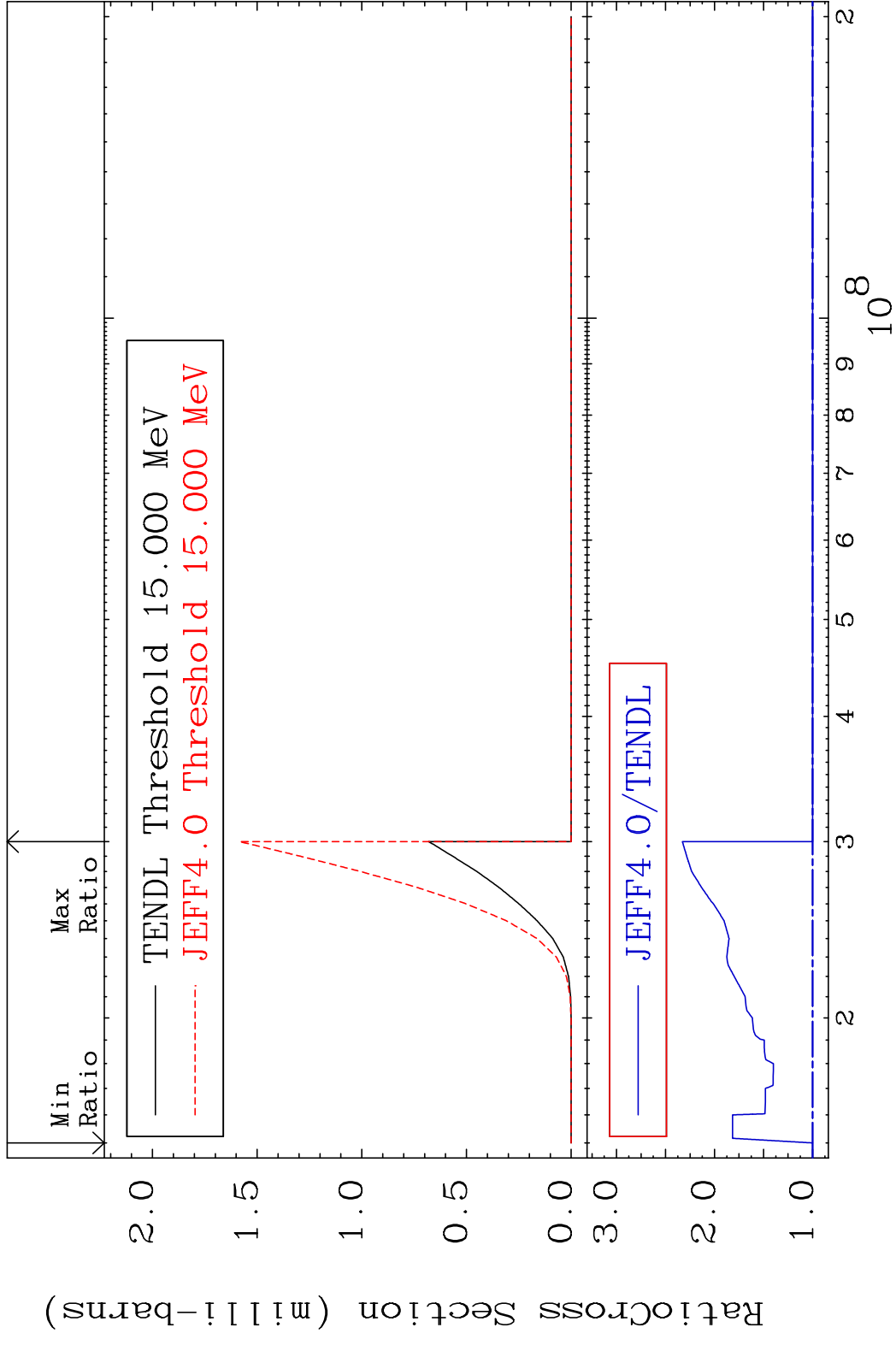
80 Incident Energy (eV) 68-Er-162

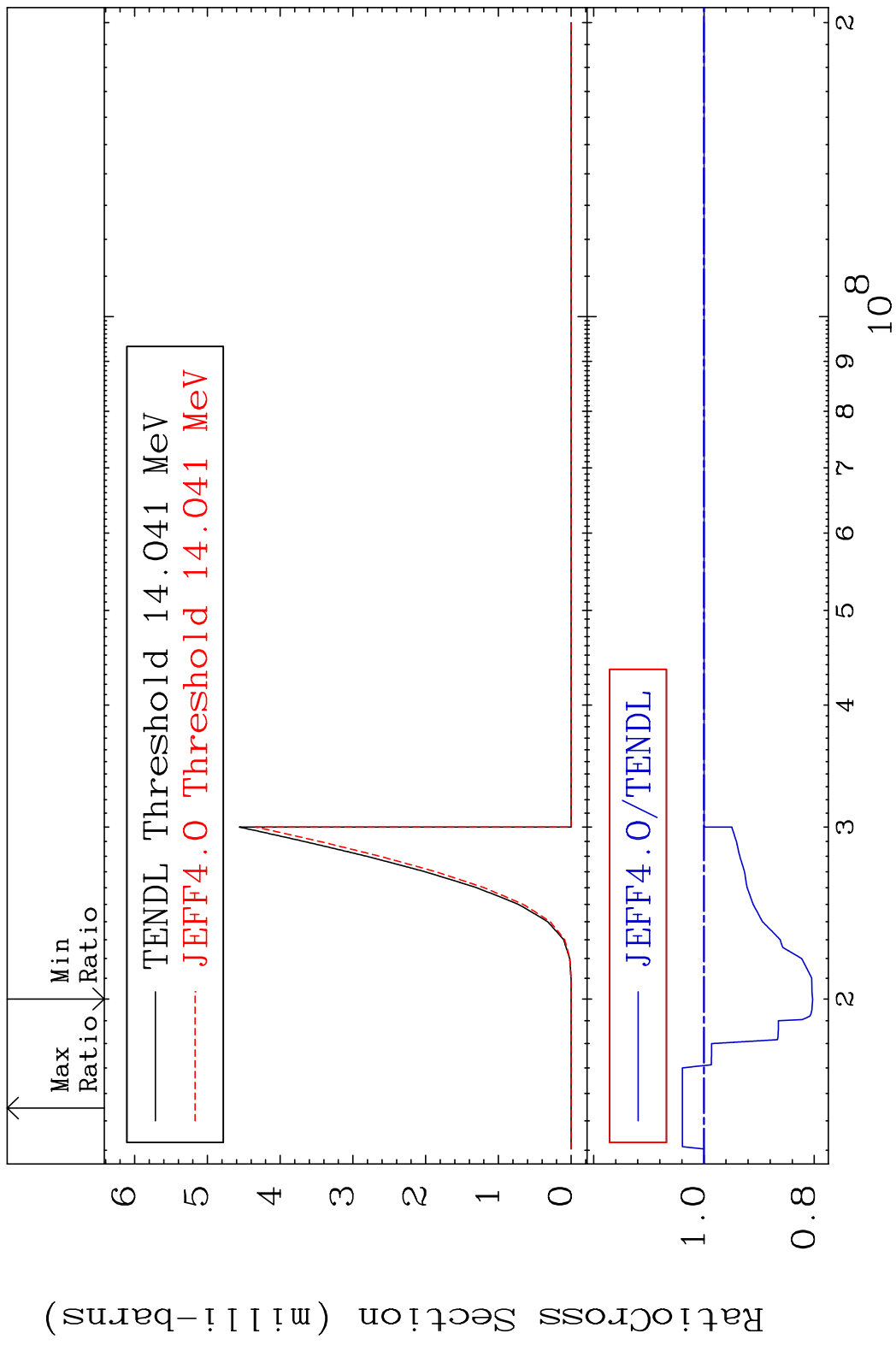


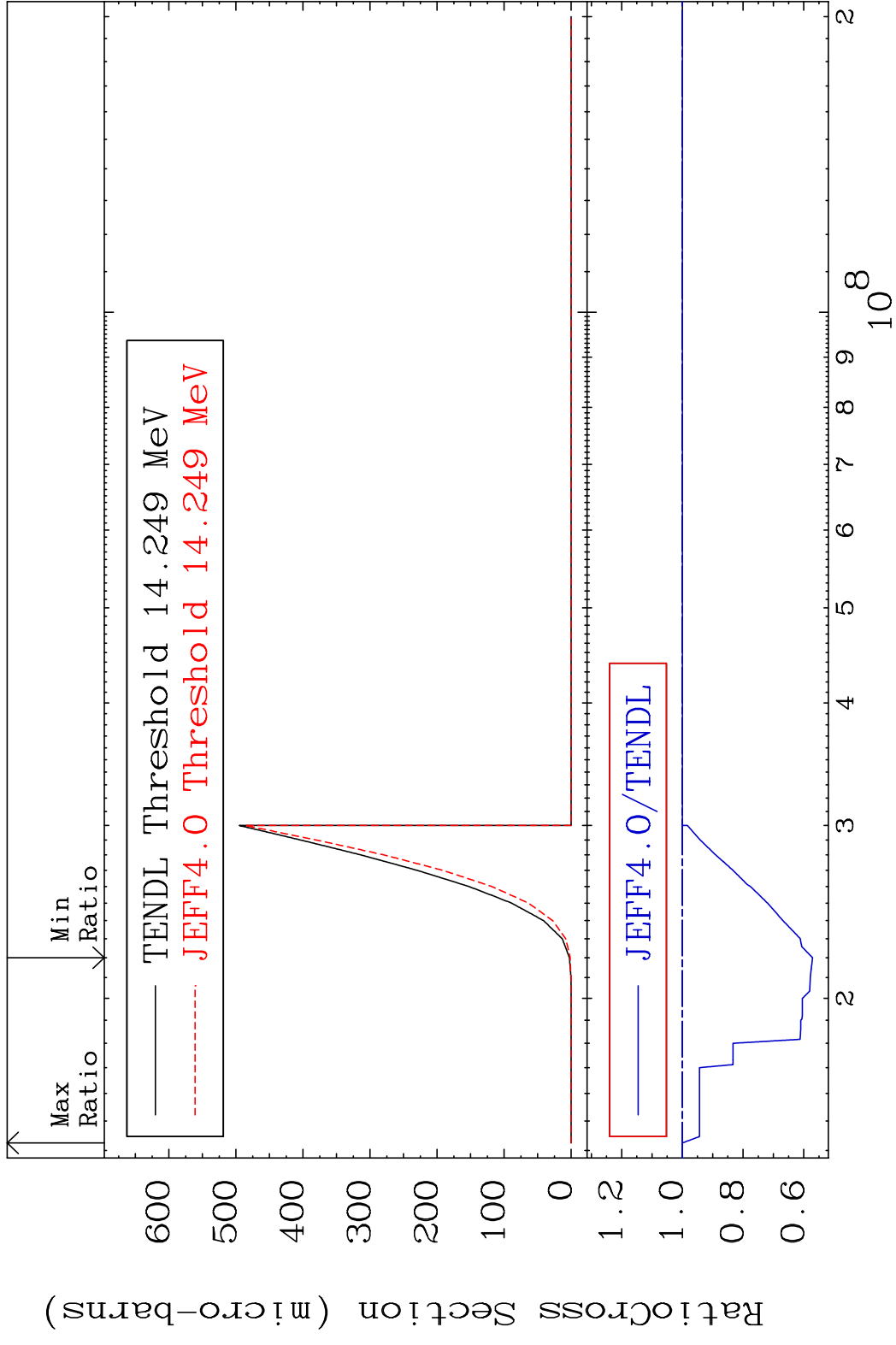




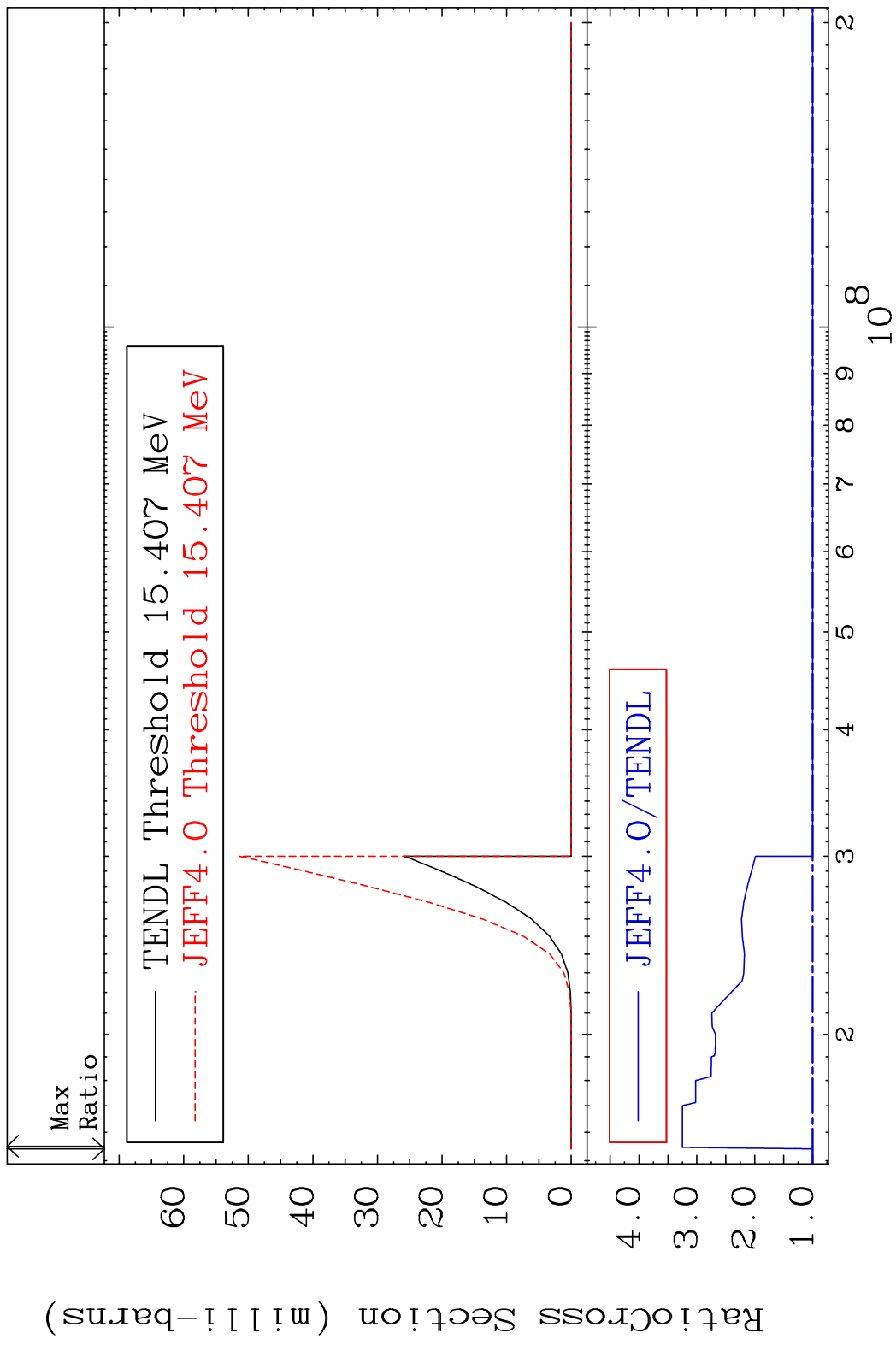


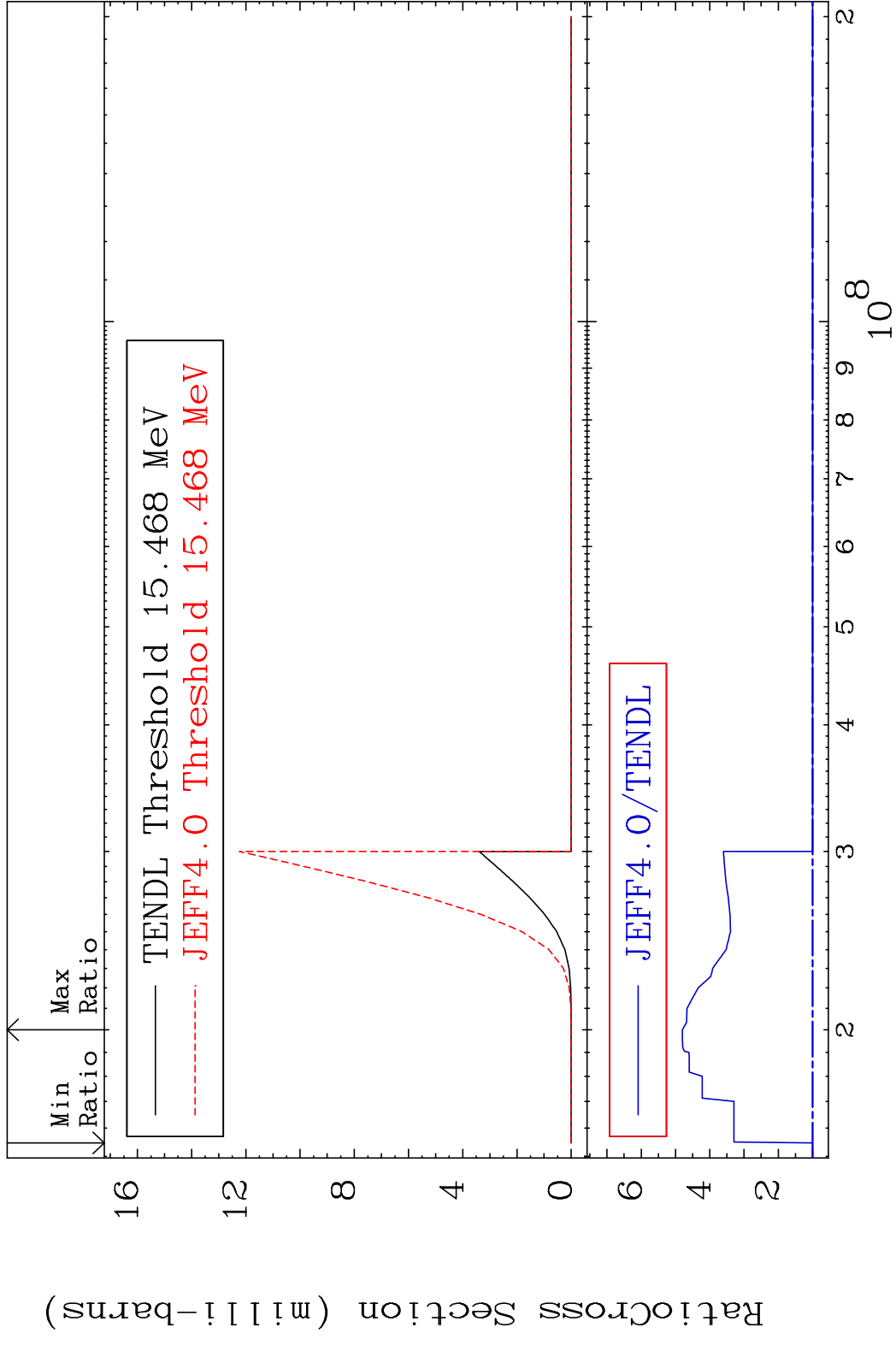


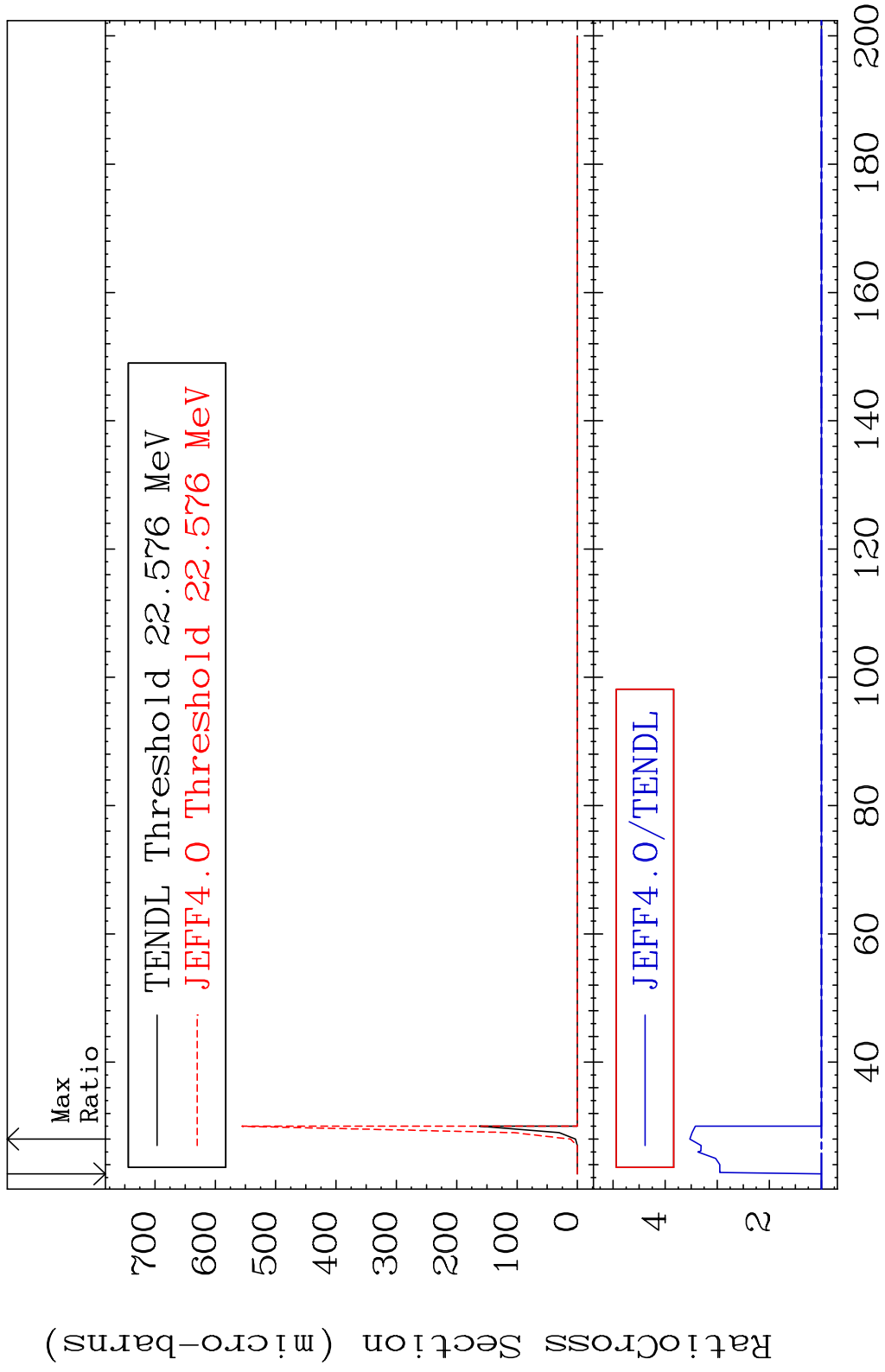


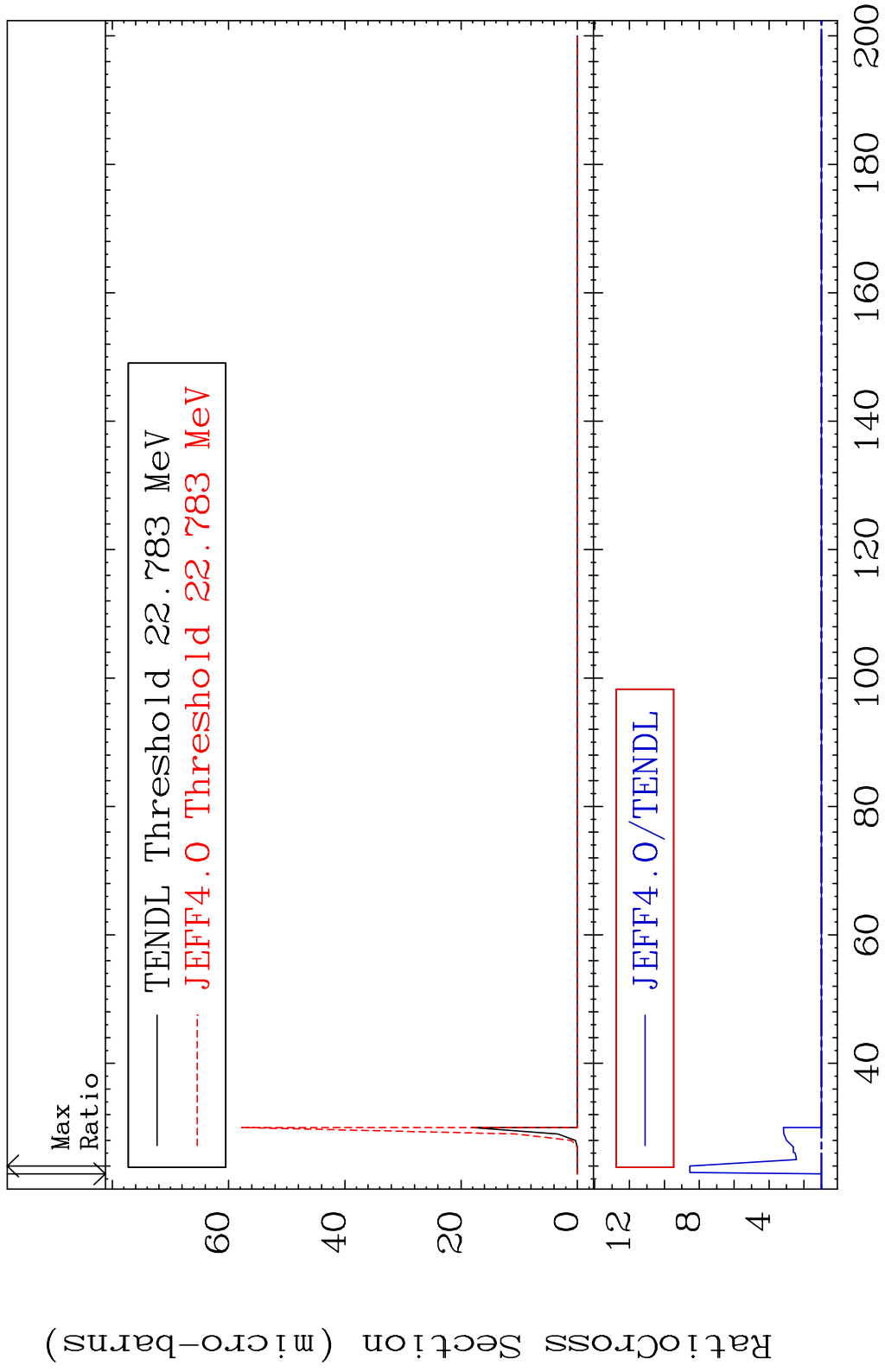


MAT 6825 (n,2n) p:67-Ho-160g 68-Er-162
 Radionuclide Production Cross Section 225.0 %







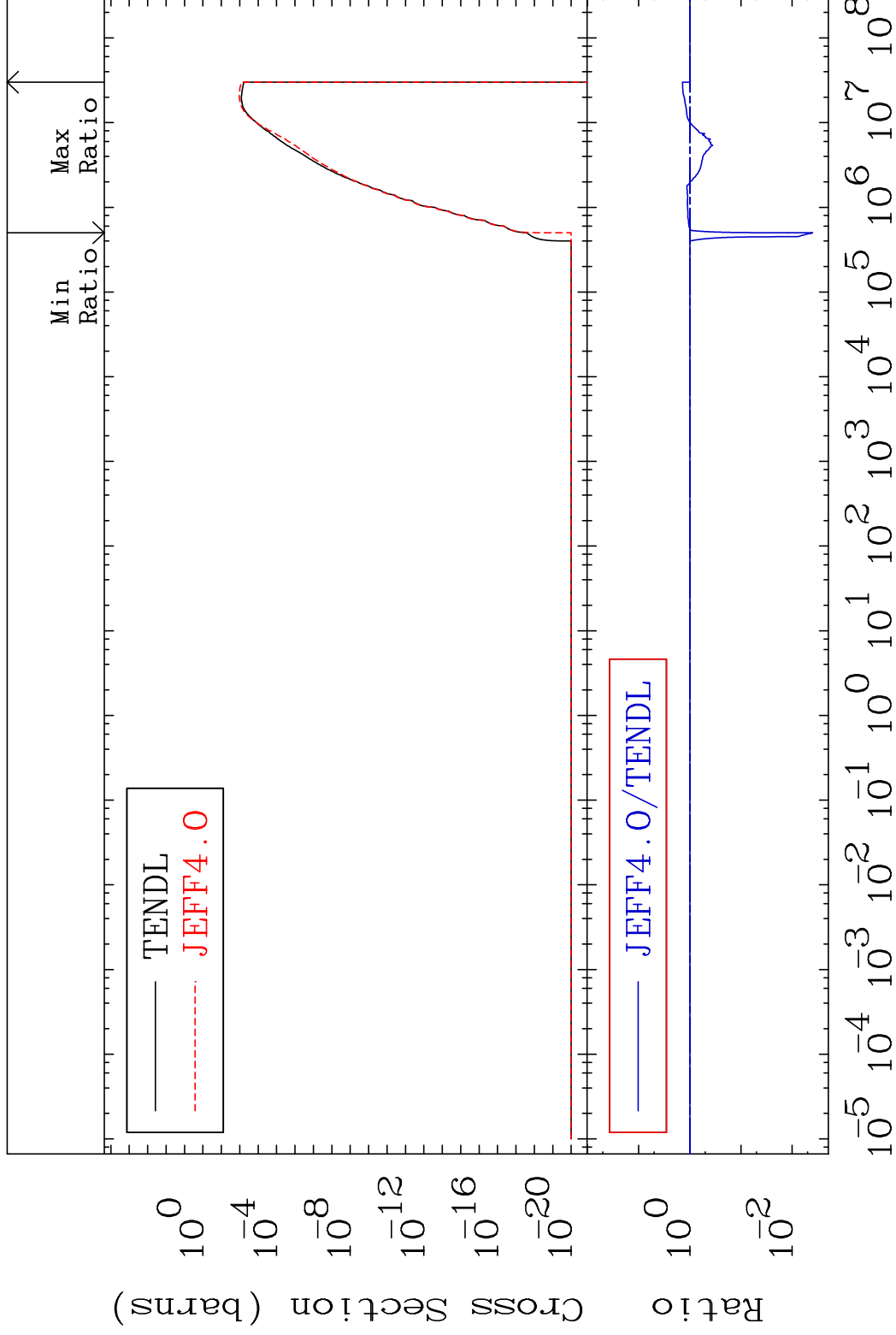


MAT 6825

(n,p):67-Ho-162g

68-Er-162

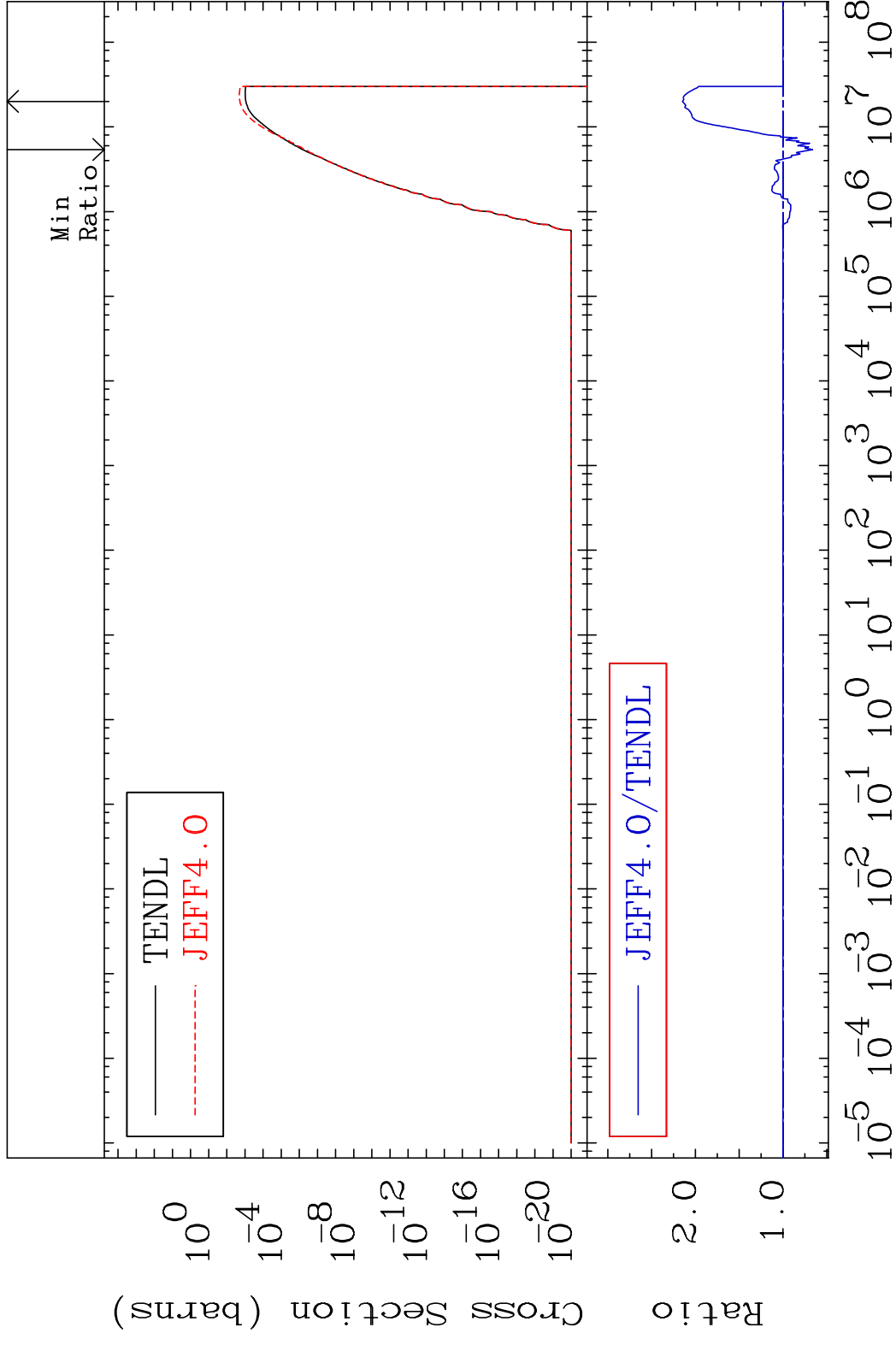
Radionuclide Production Cross Section to 40.02 %

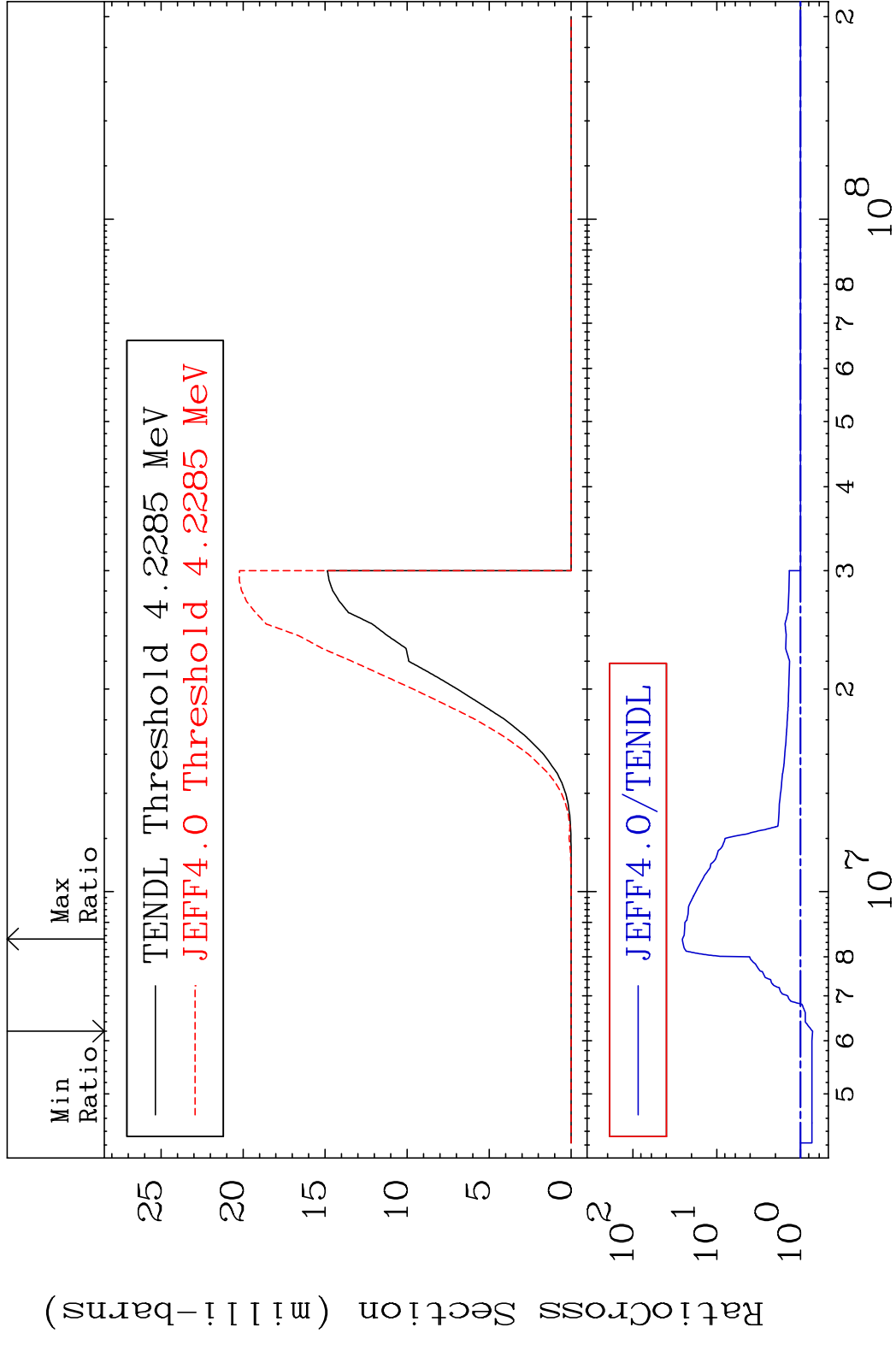


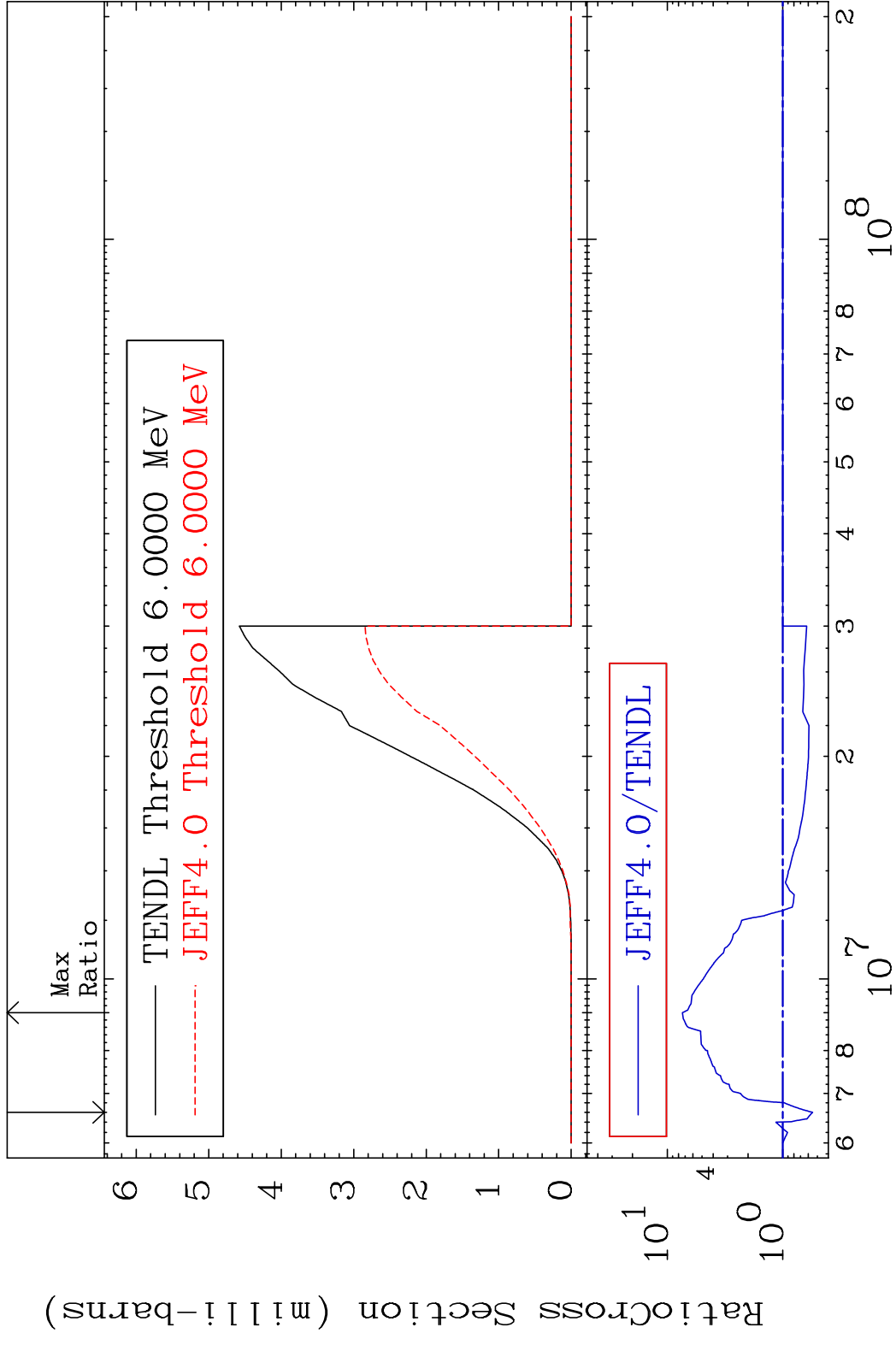
93

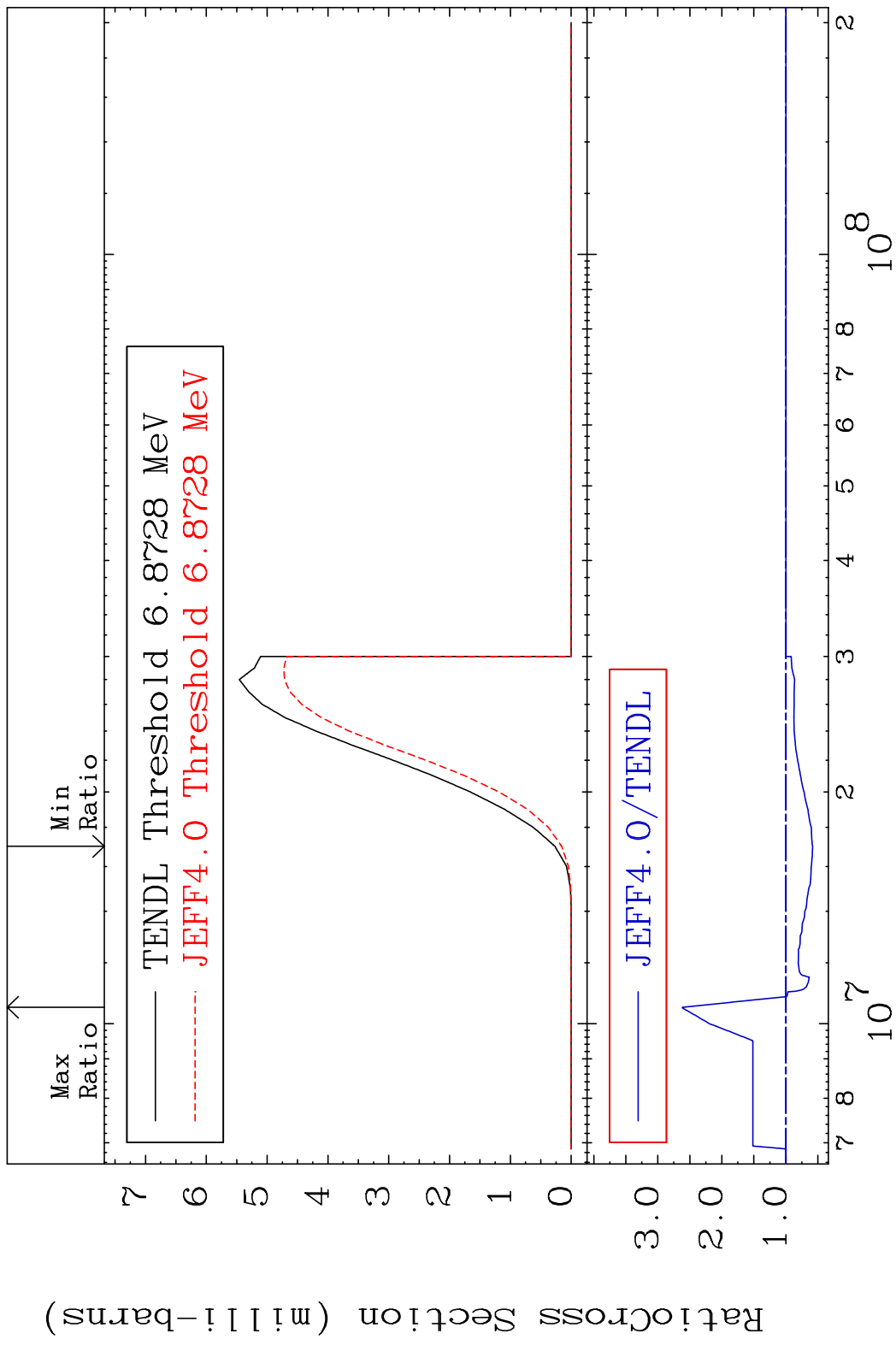
Incident Energy (eV)

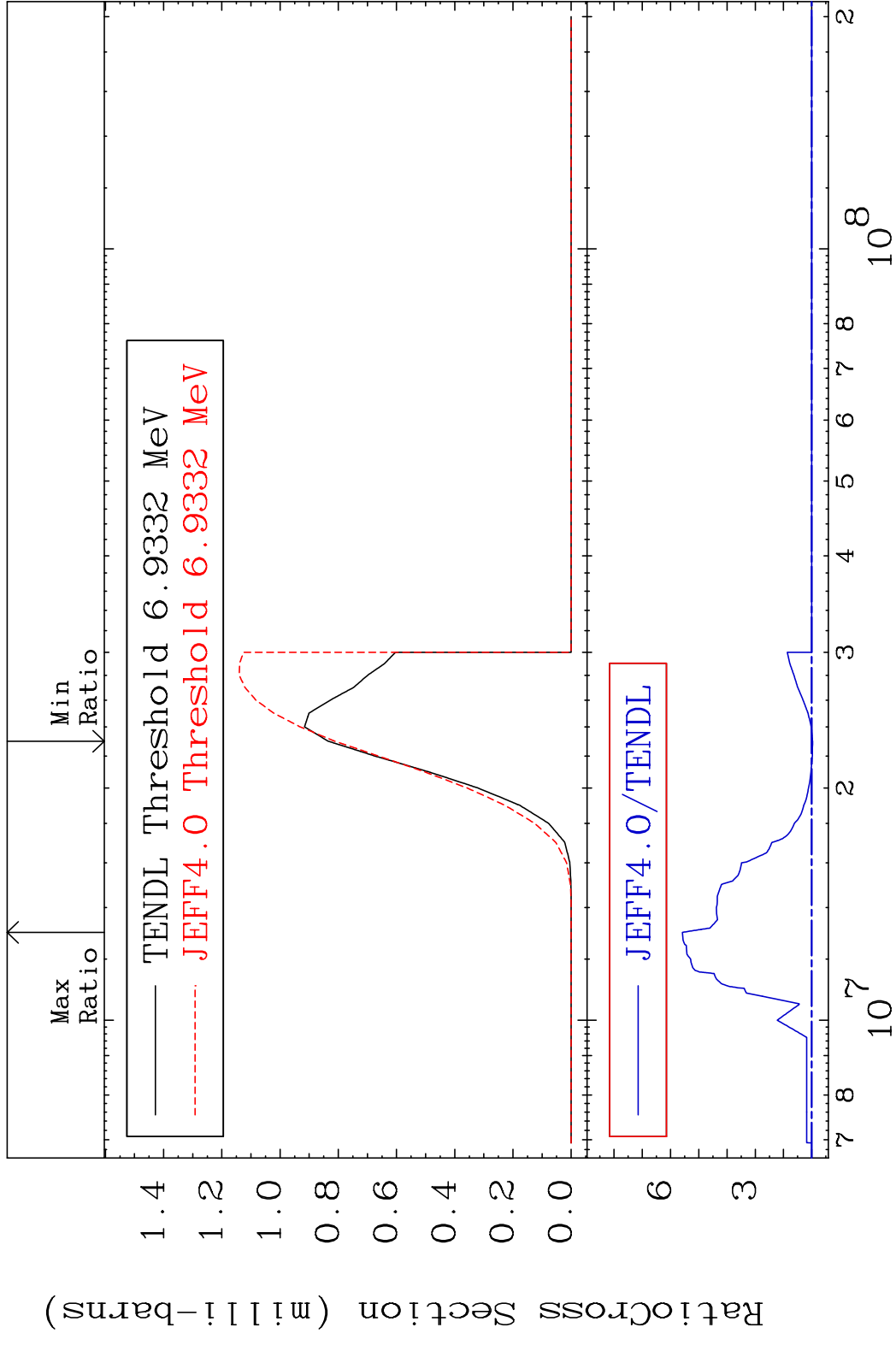
68-Er-162

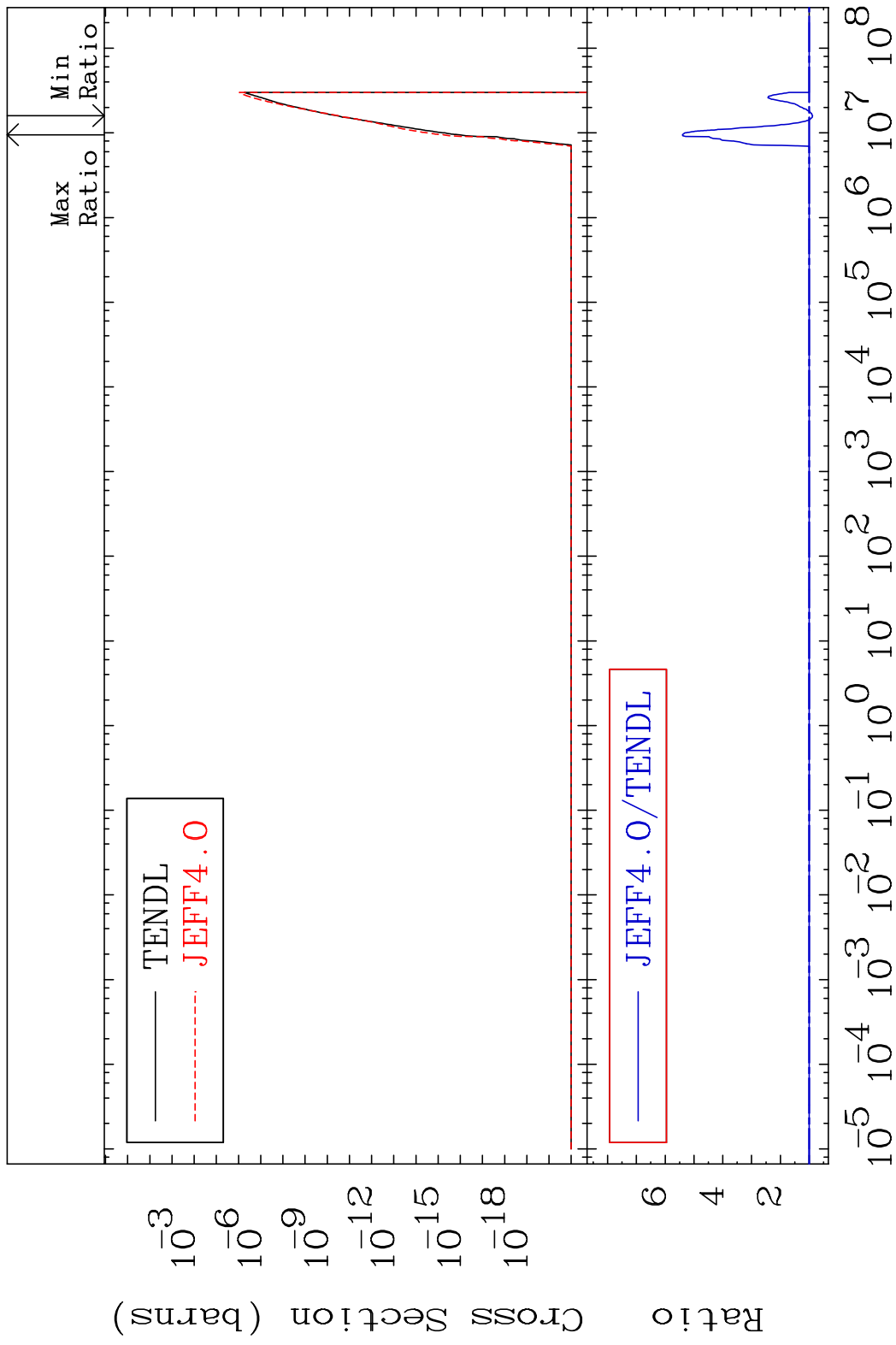




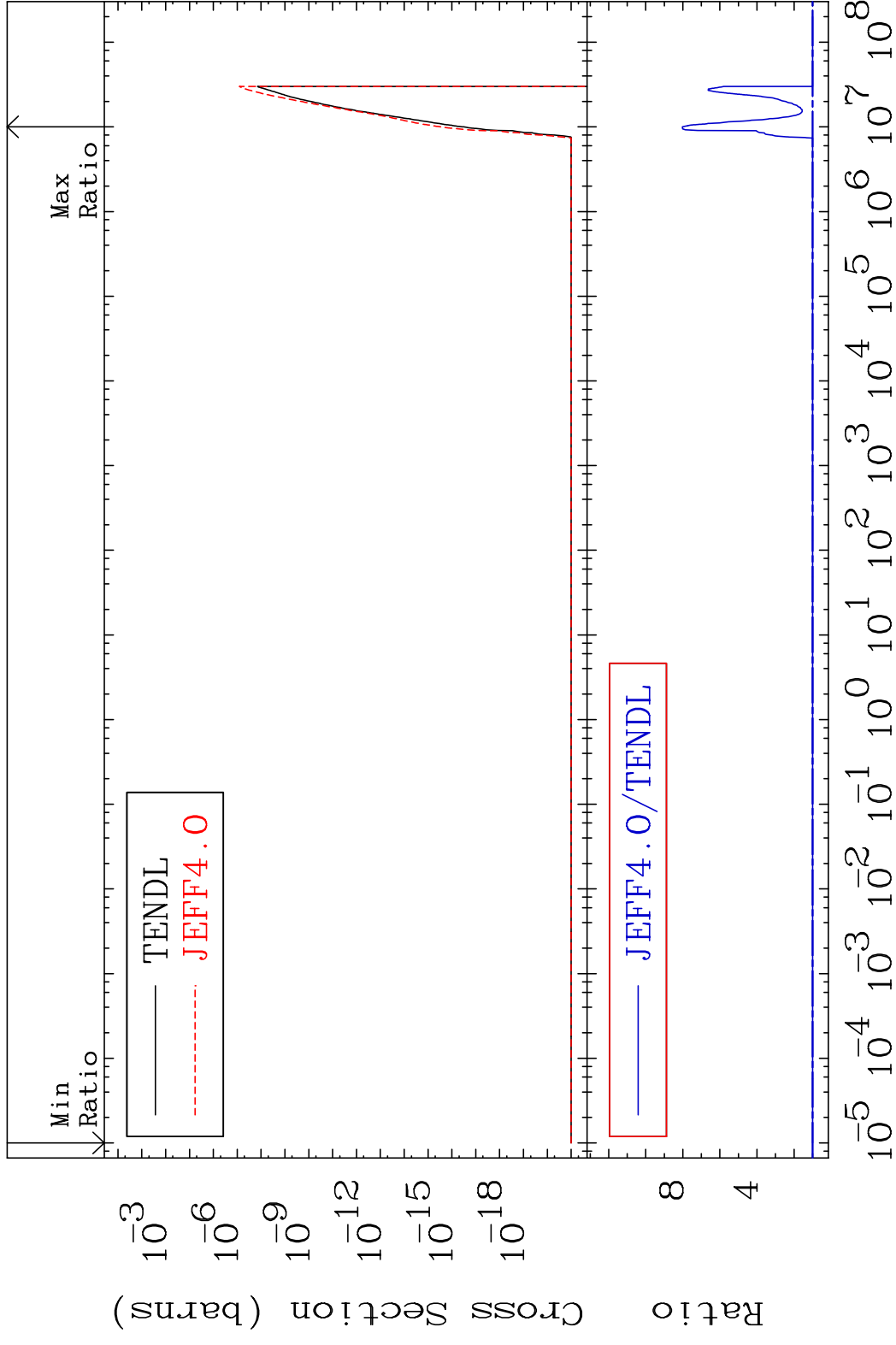








MAT 6825 (n, p) α :65-Tb-158m3 68-Er-162
 Radionuclide Production Cross Section 702.5 %



68-Er-162