

Program Complot  
(Version 2021-1)

by

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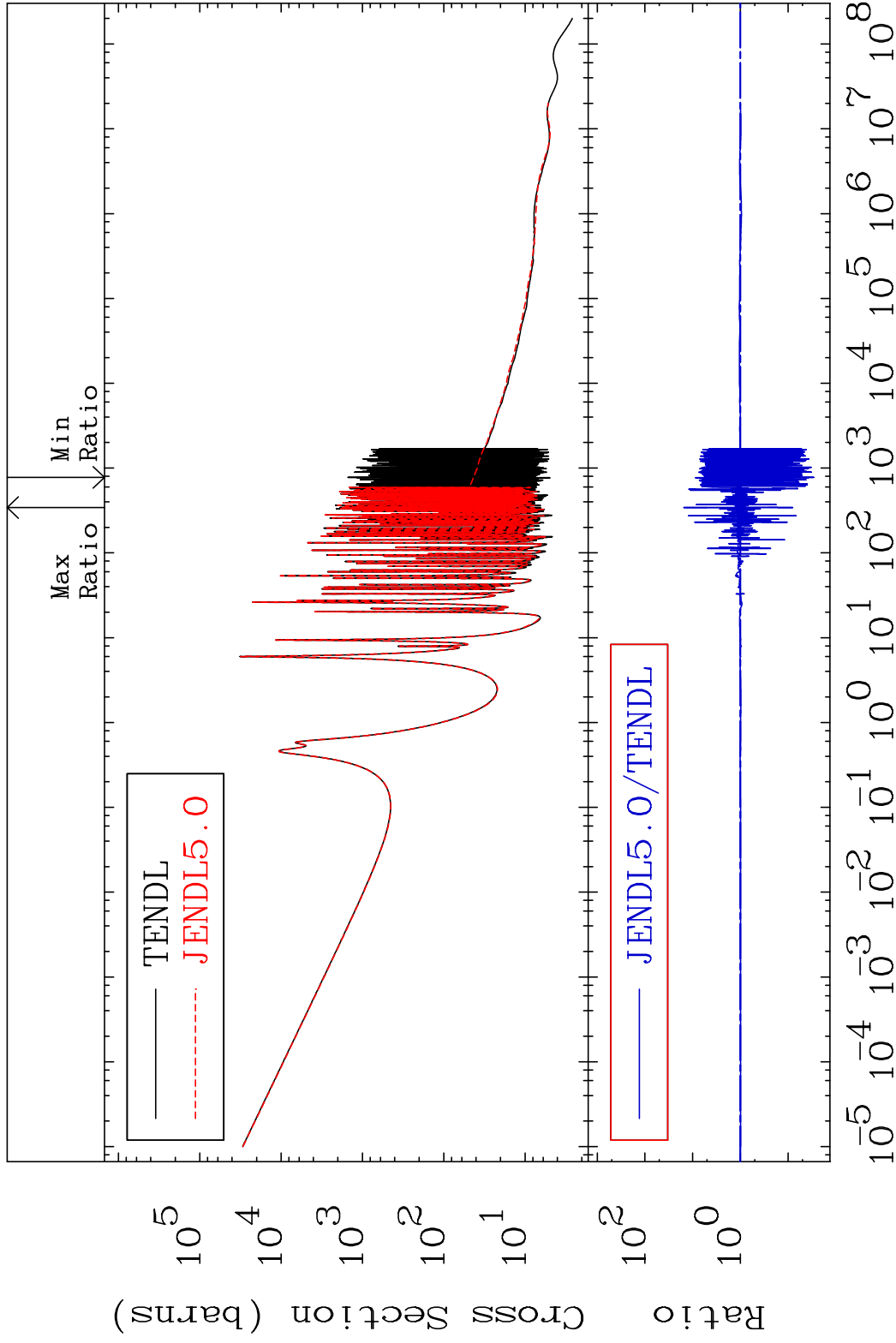
Press Mouse Button to Start

MAT 6840

Total

68-Er-167

Cross Section -97.15 To 1445. %



1

Incident Energy (eV)

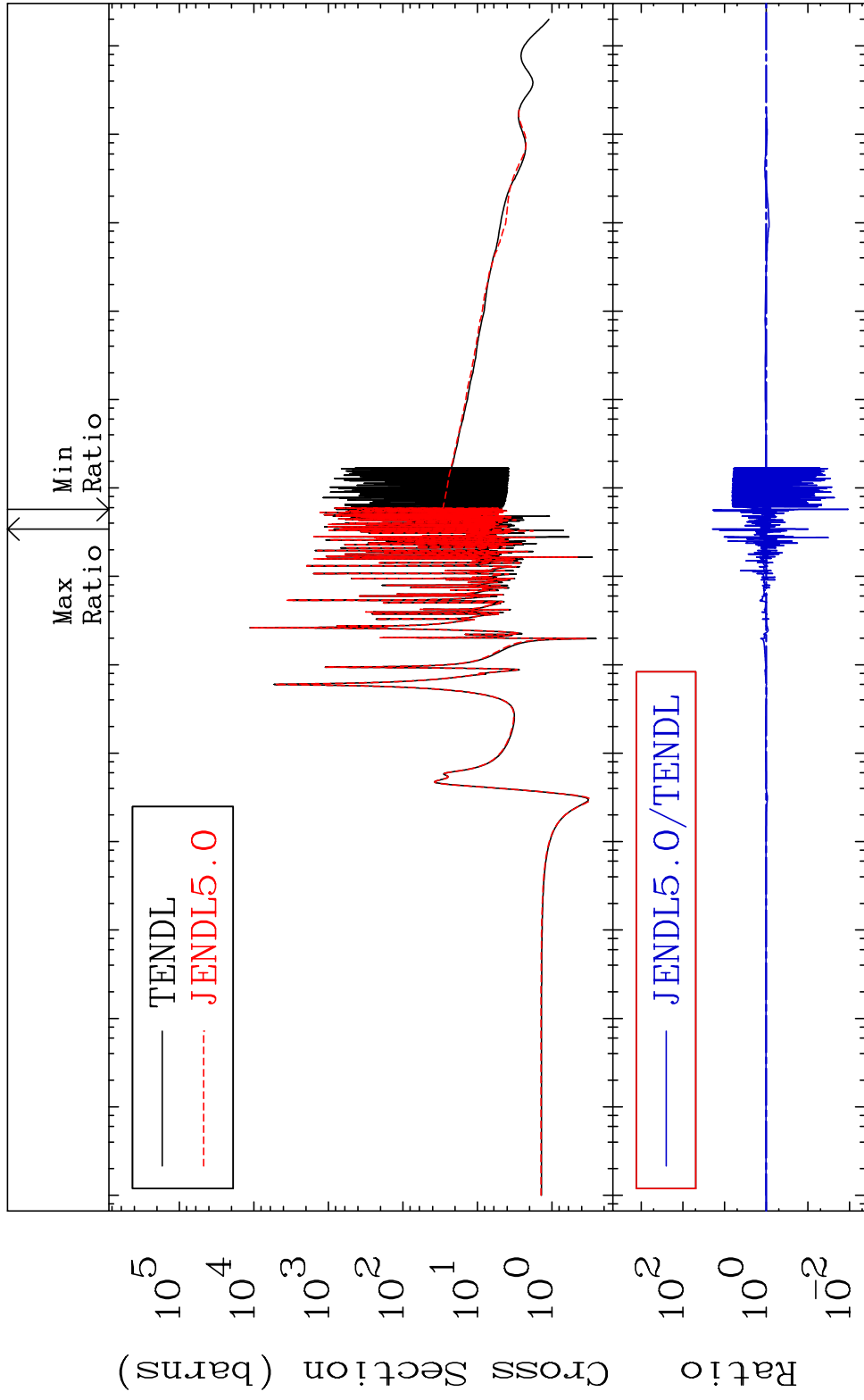
68-Er-167

MAT 6840

Elastic

68-Er-167

Cross Section -98.92 To 1859. %

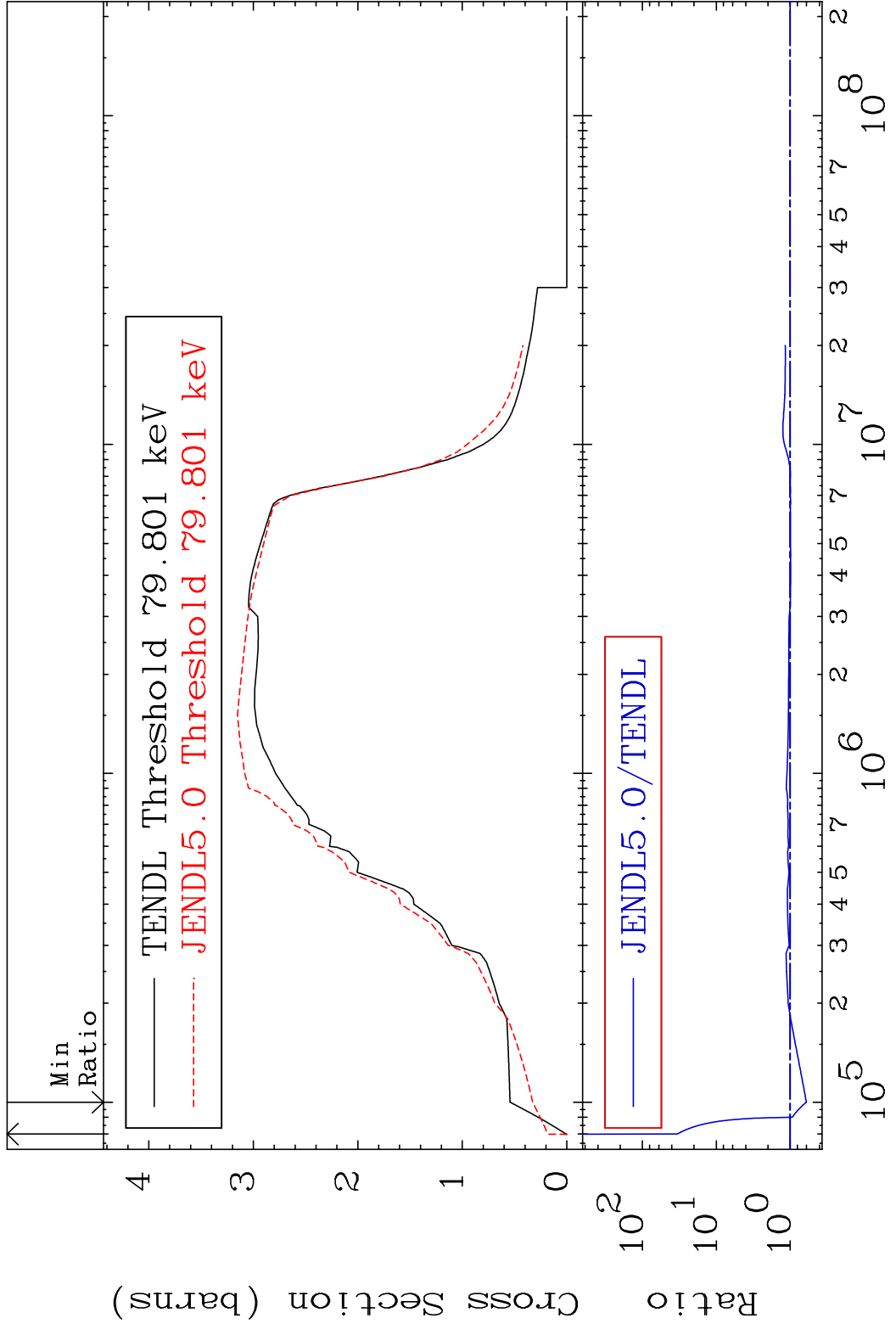


2

Incident Energy (eV)

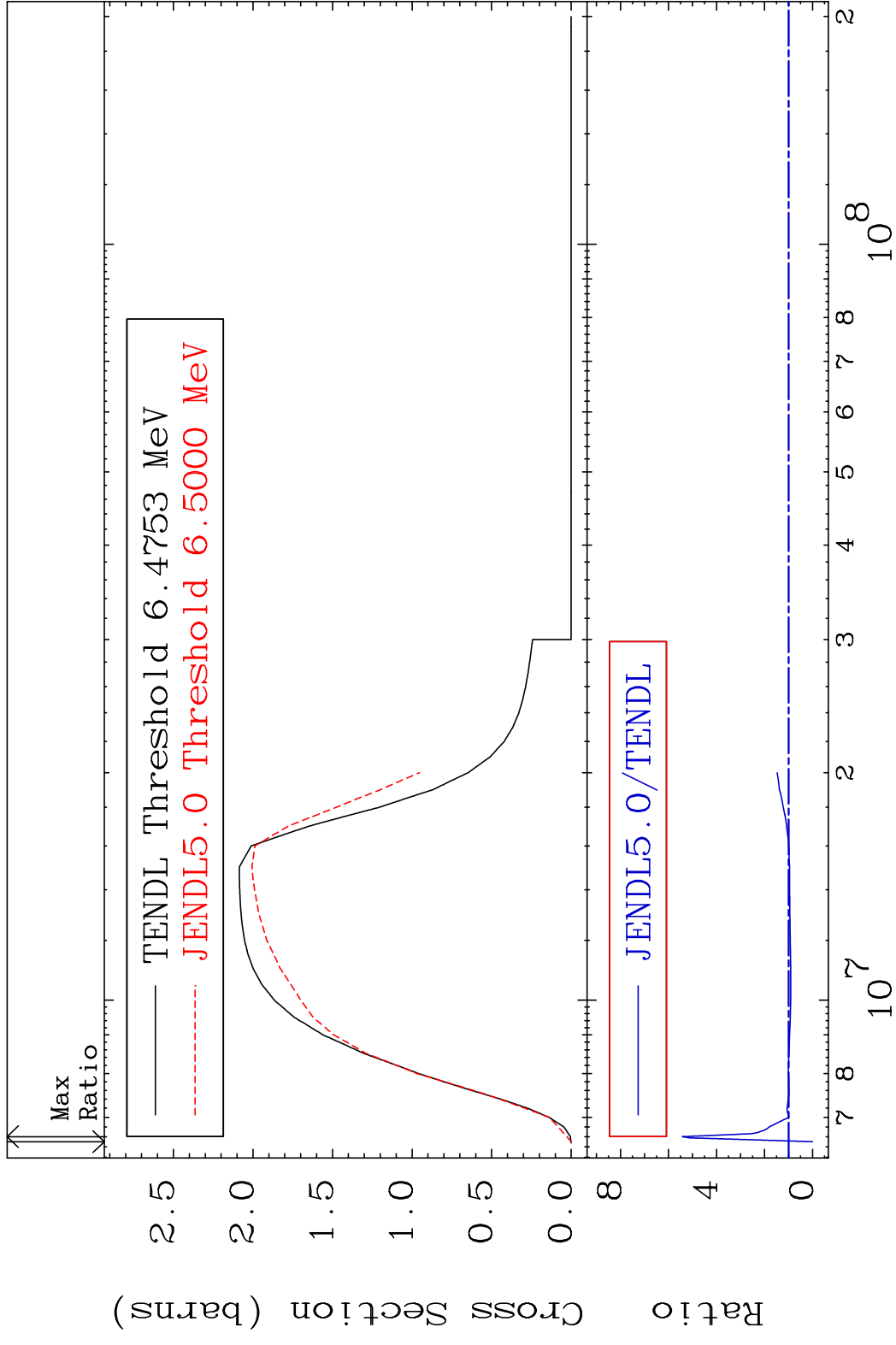
68-Er-167

MAT 6840 Inelastic 68-Er-167  
 Cross Section -39.78 To 3287. %

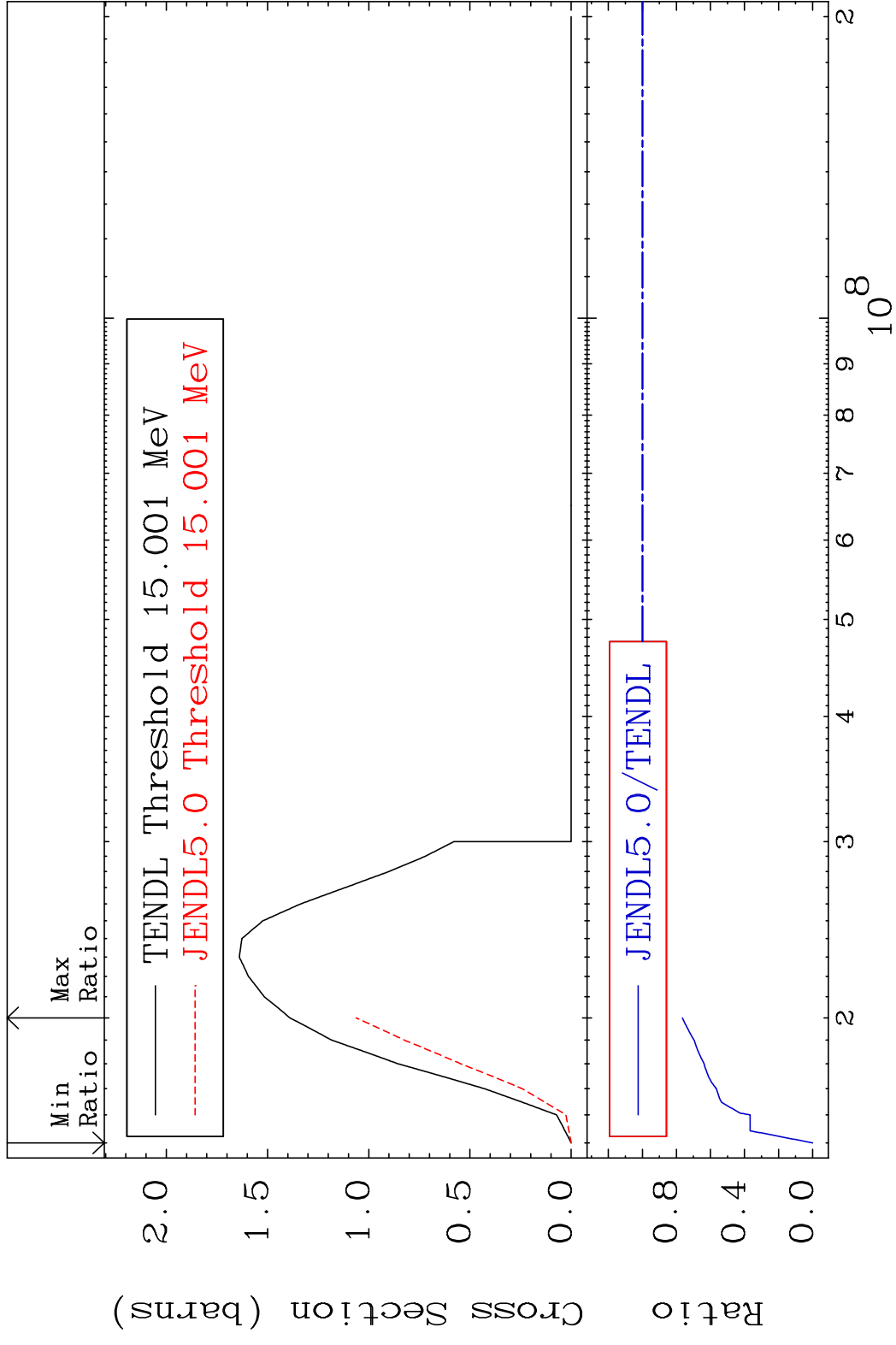


3 Incident Energy (eV) 68-Er-167

MAT 6840 (n,2n) 68-Er-167  
 Cross Section -100.0 To 442.4 %



MAT 6840 (n,3n) 68-Er-167  
 Cross Section -100.0 To -23.49%

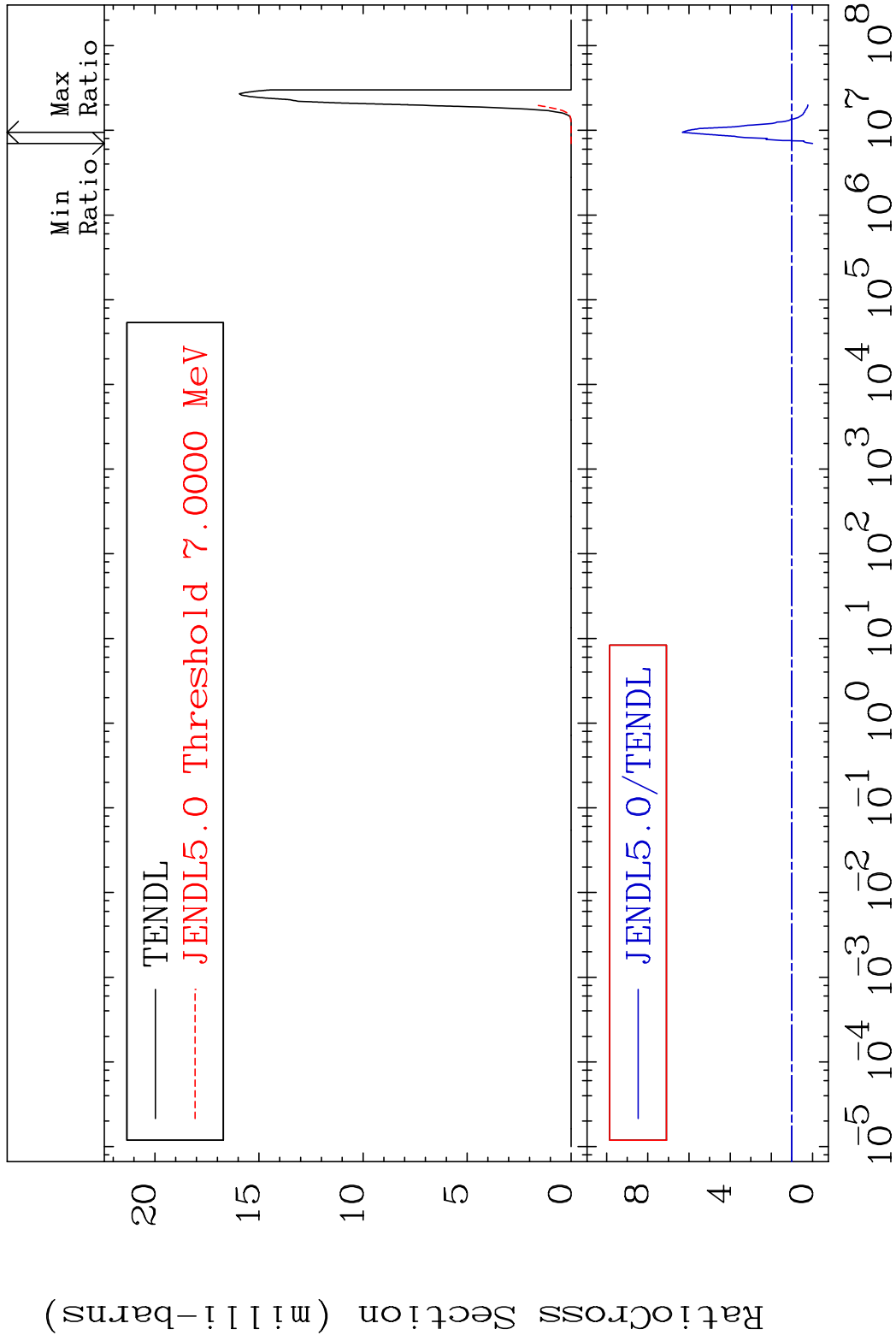


MAT 6840

(n, n')  $\alpha$

68-Er-167

Cross Section -100.0 To 532.1 %

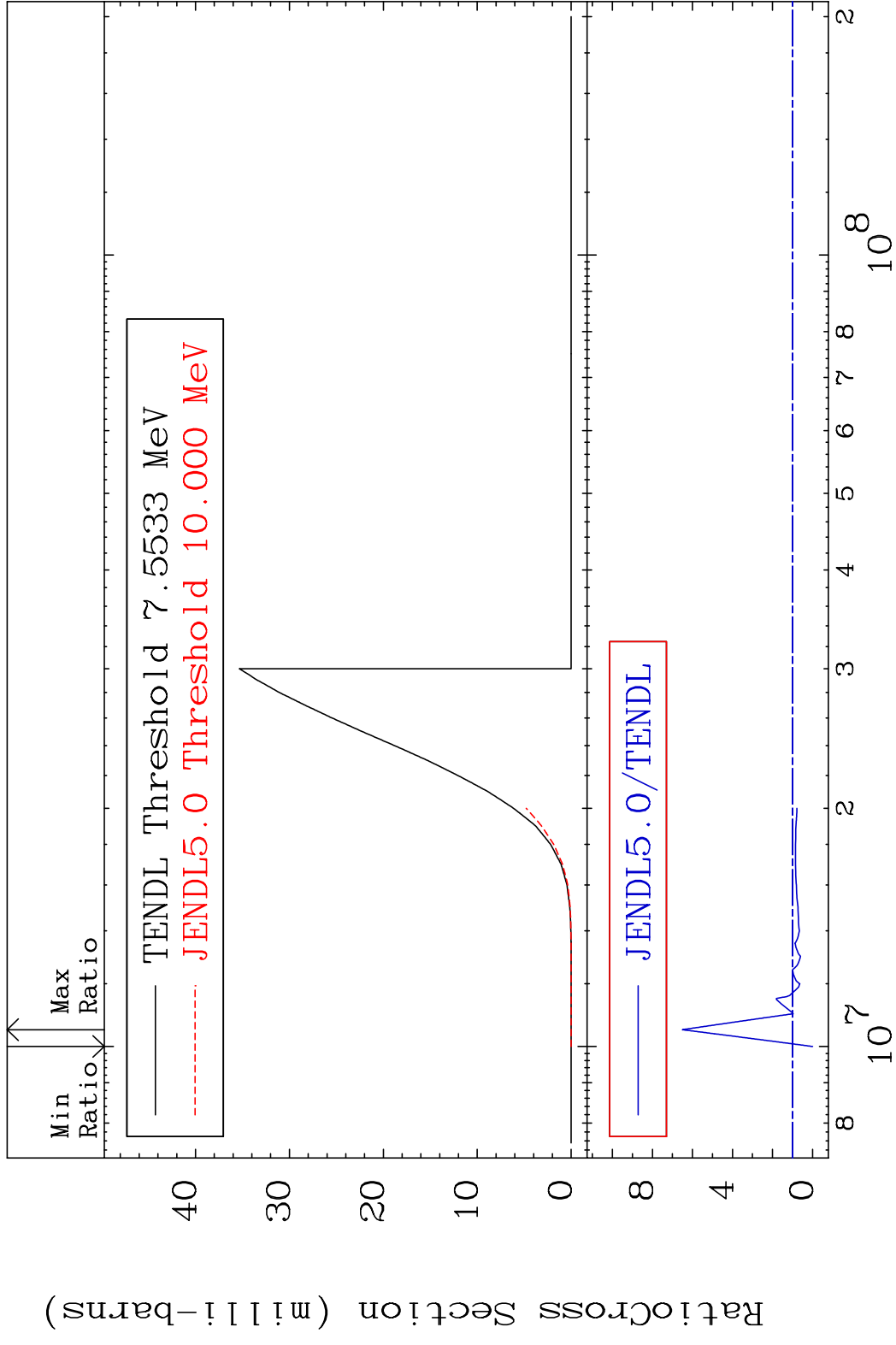


6

Incident Energy (eV)

68-Er-167

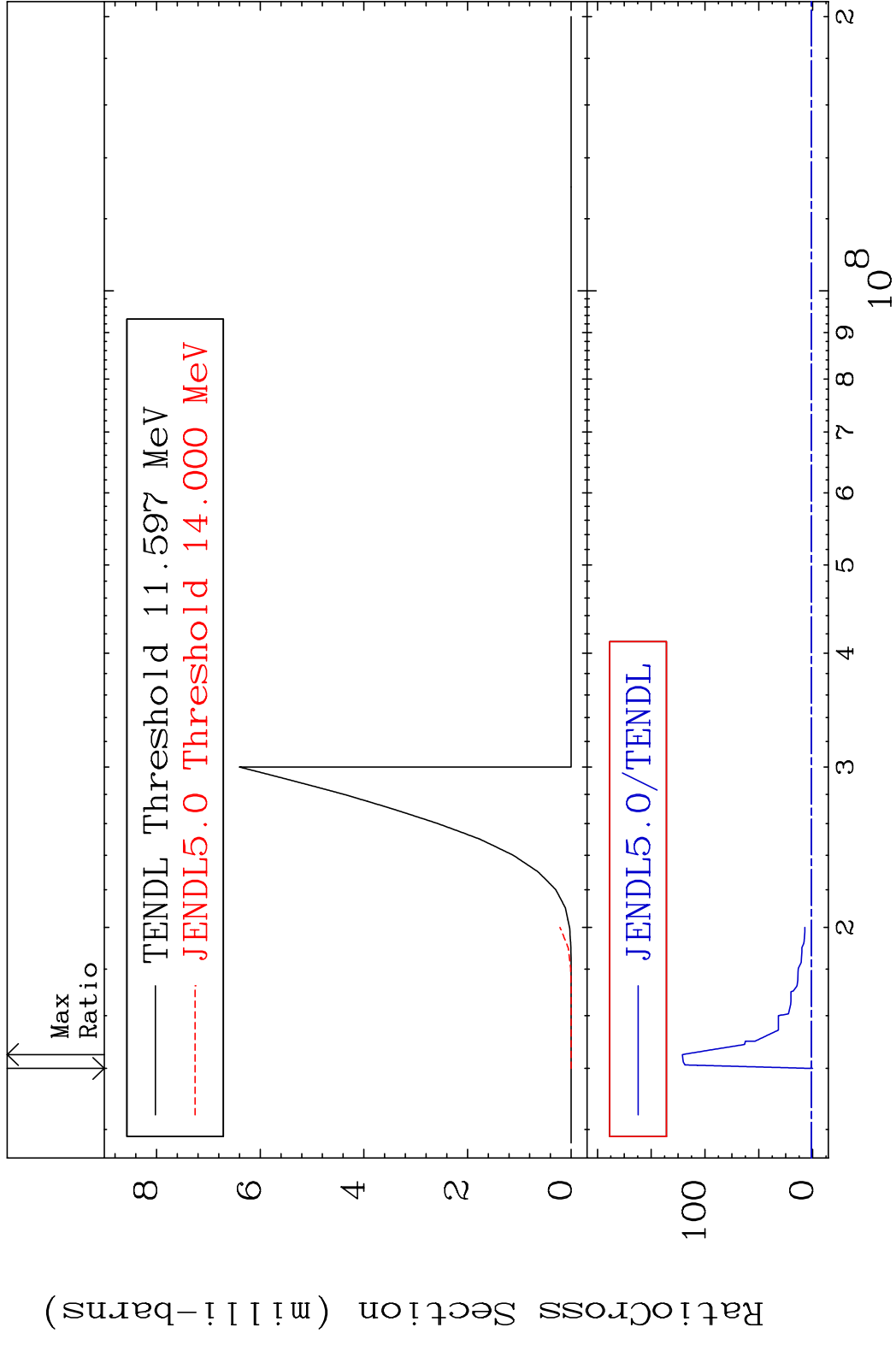
MAT 6840 (n, n') p 68-Er-167  
 Cross Section -100.0 To 550.5 %



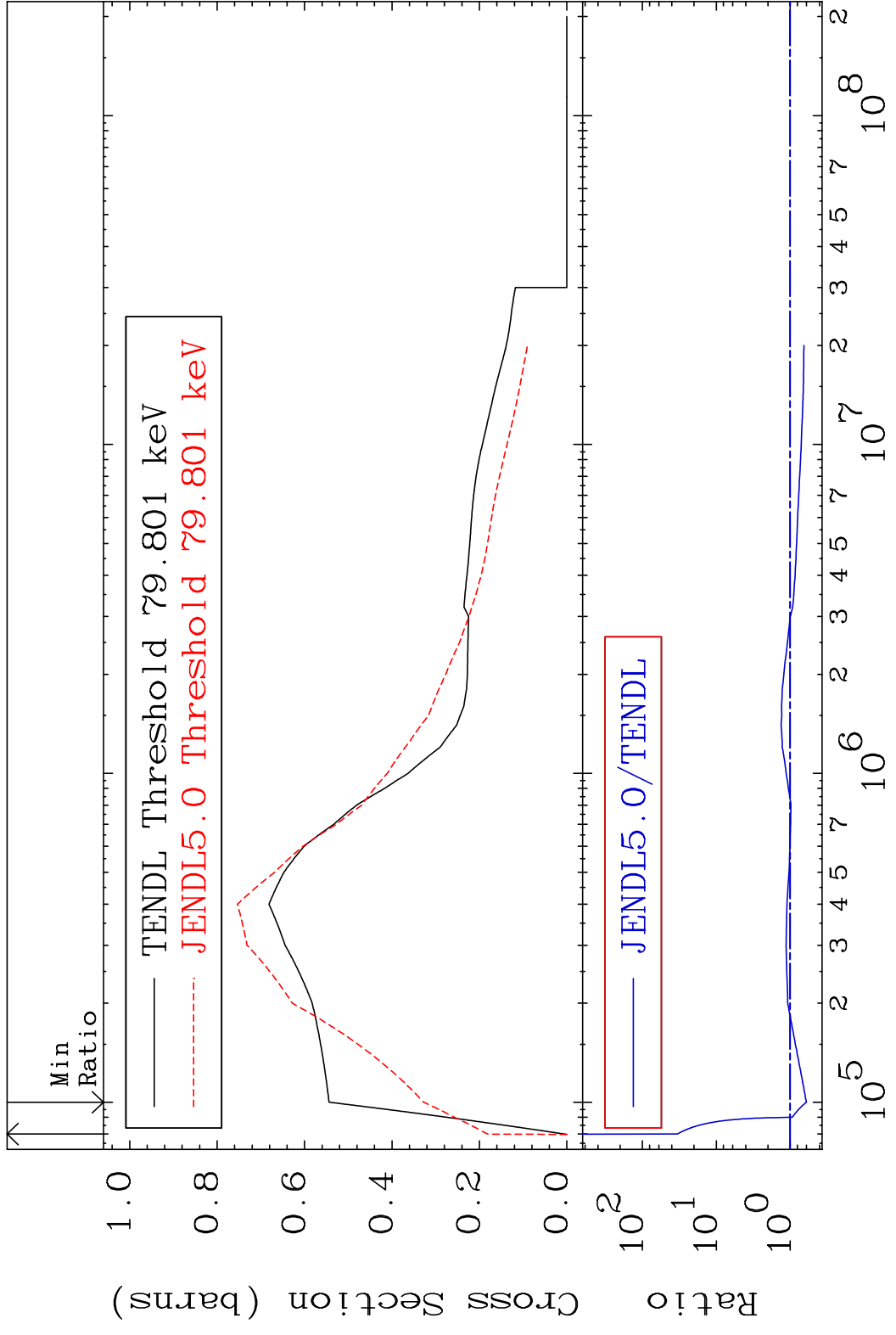
7 Incident Energy (eV) 68-Er-167



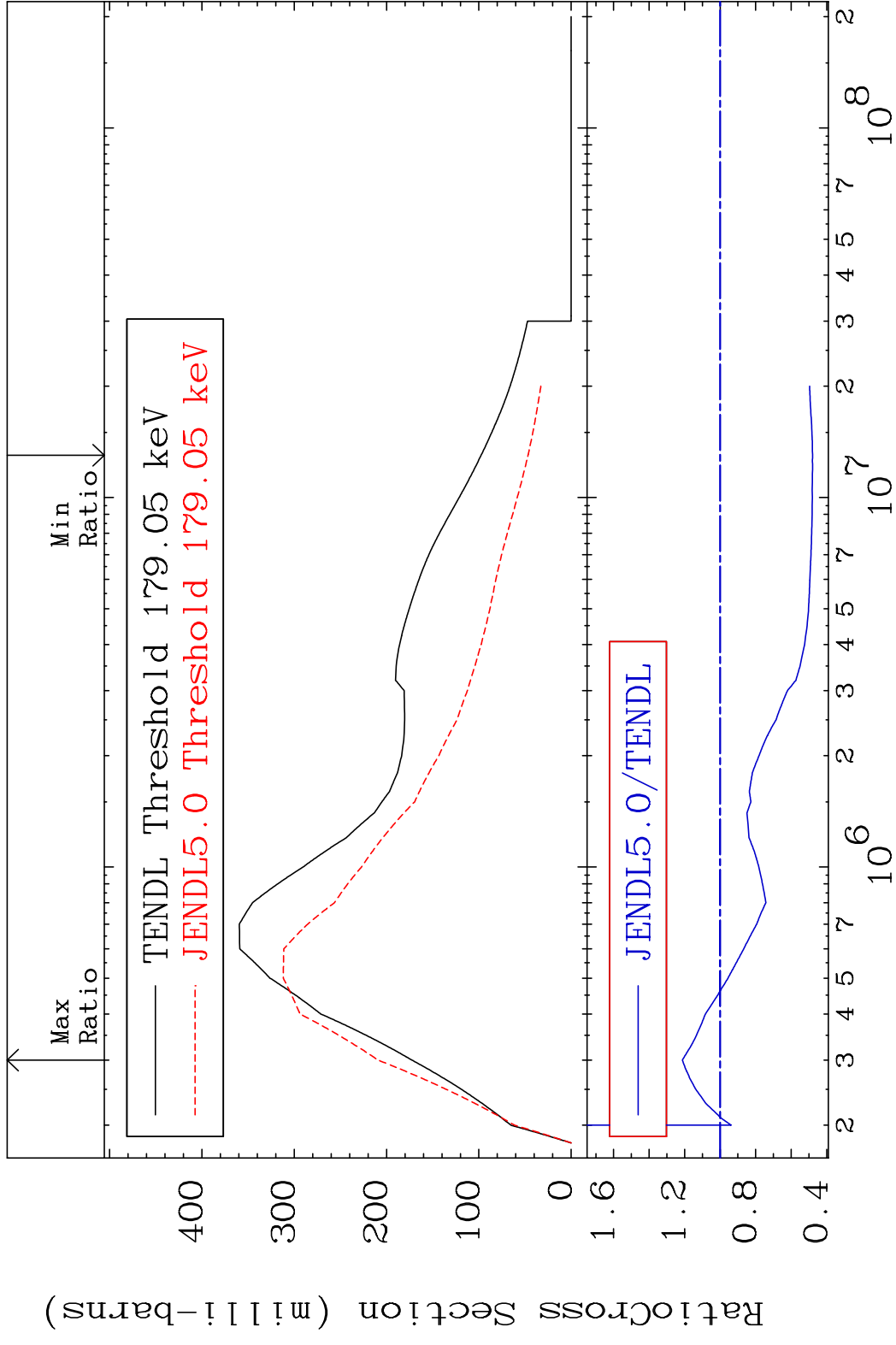
MAT 6840 (n, n') d 68-Er-167  
 Cross Section -100.0 To 9999. %



MAT 6840 MT= 51 (n,n') Level 68-Er-167  
 Cross Section -39.78 To 3287. %

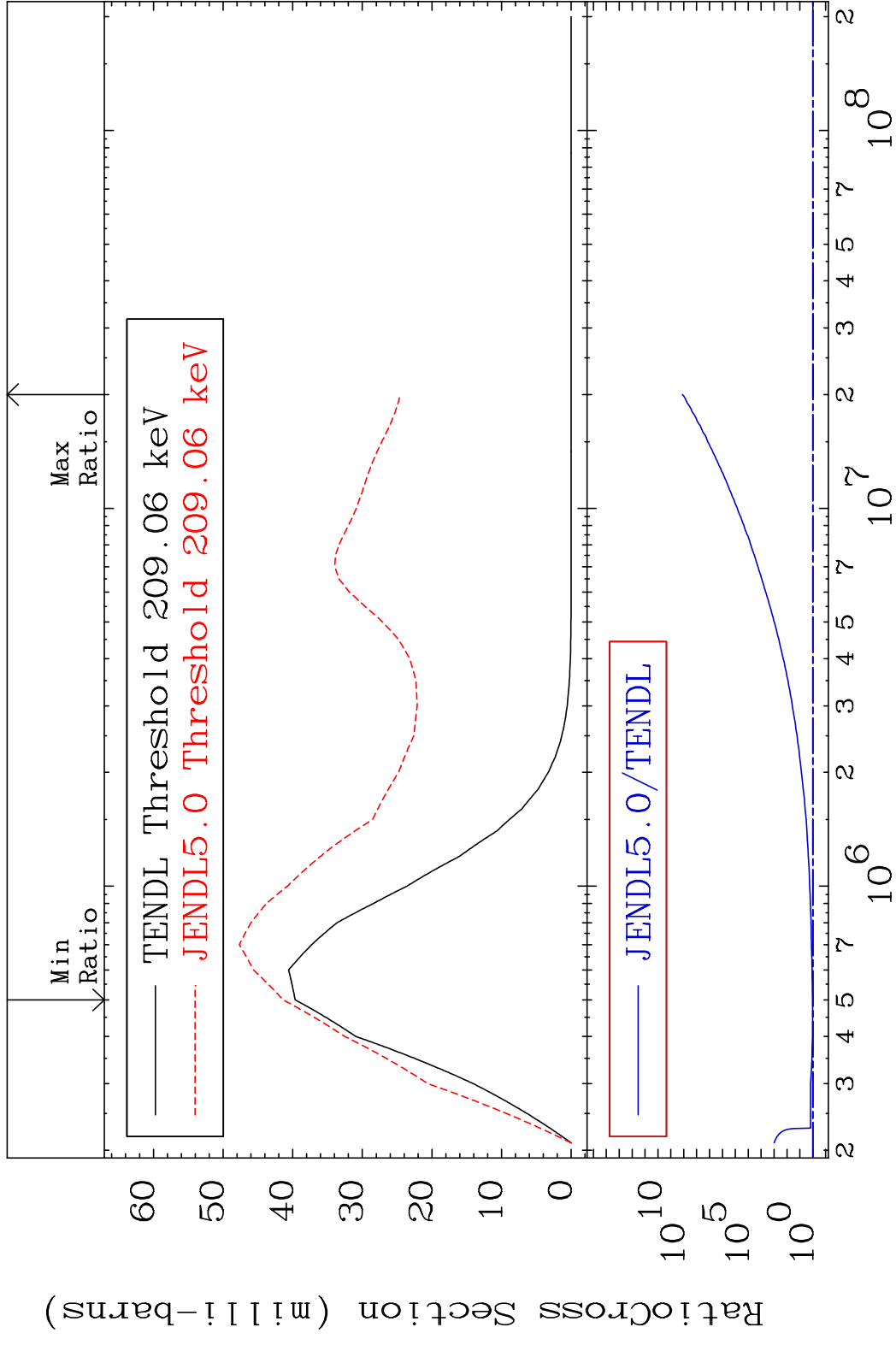


MAT 6840 MT= 52 (n, n') Level 68-Er-167  
 Cross Section -52.04 To 21.28 %

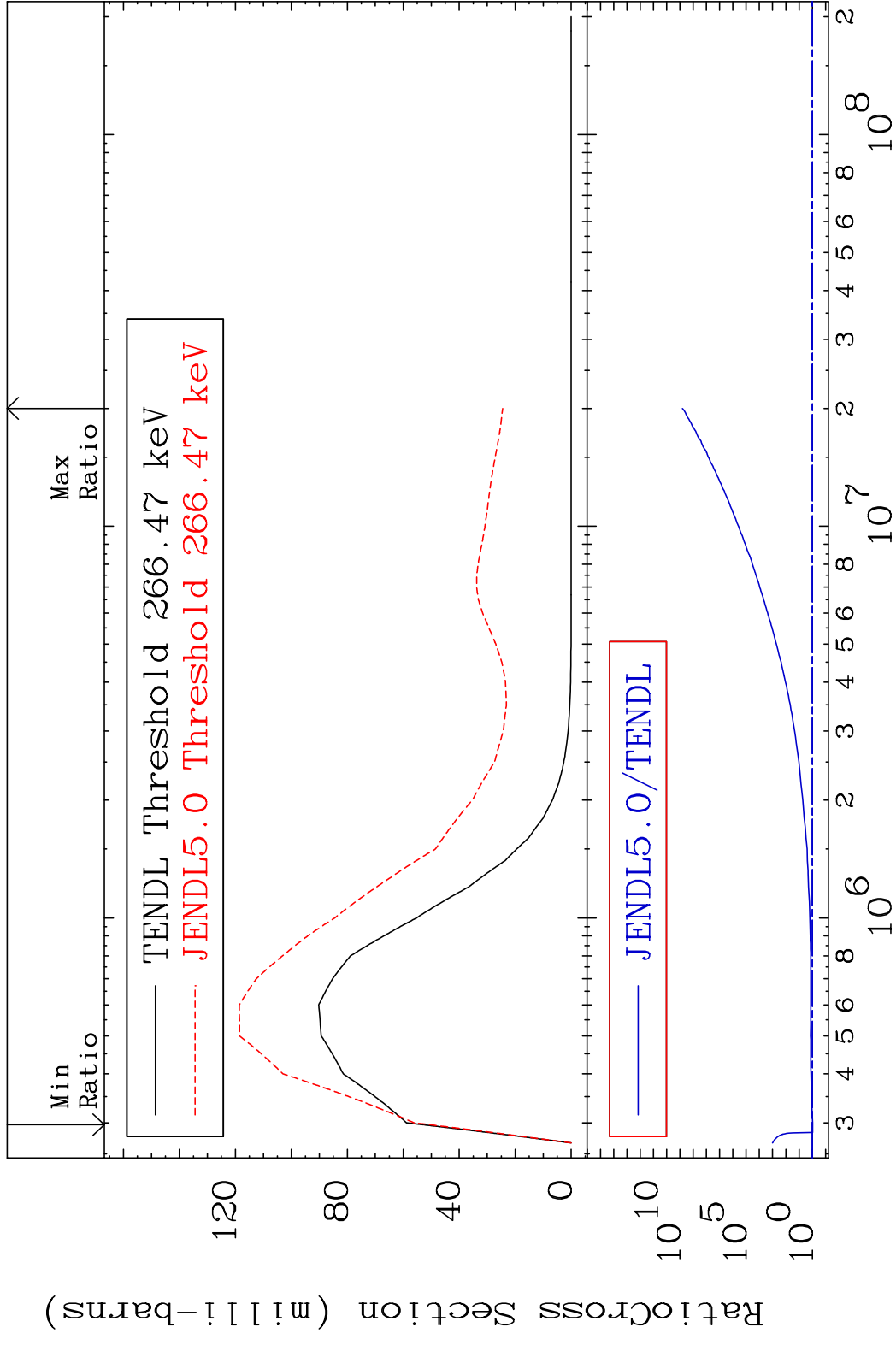


10 Incident Energy (eV) 68-Er-167

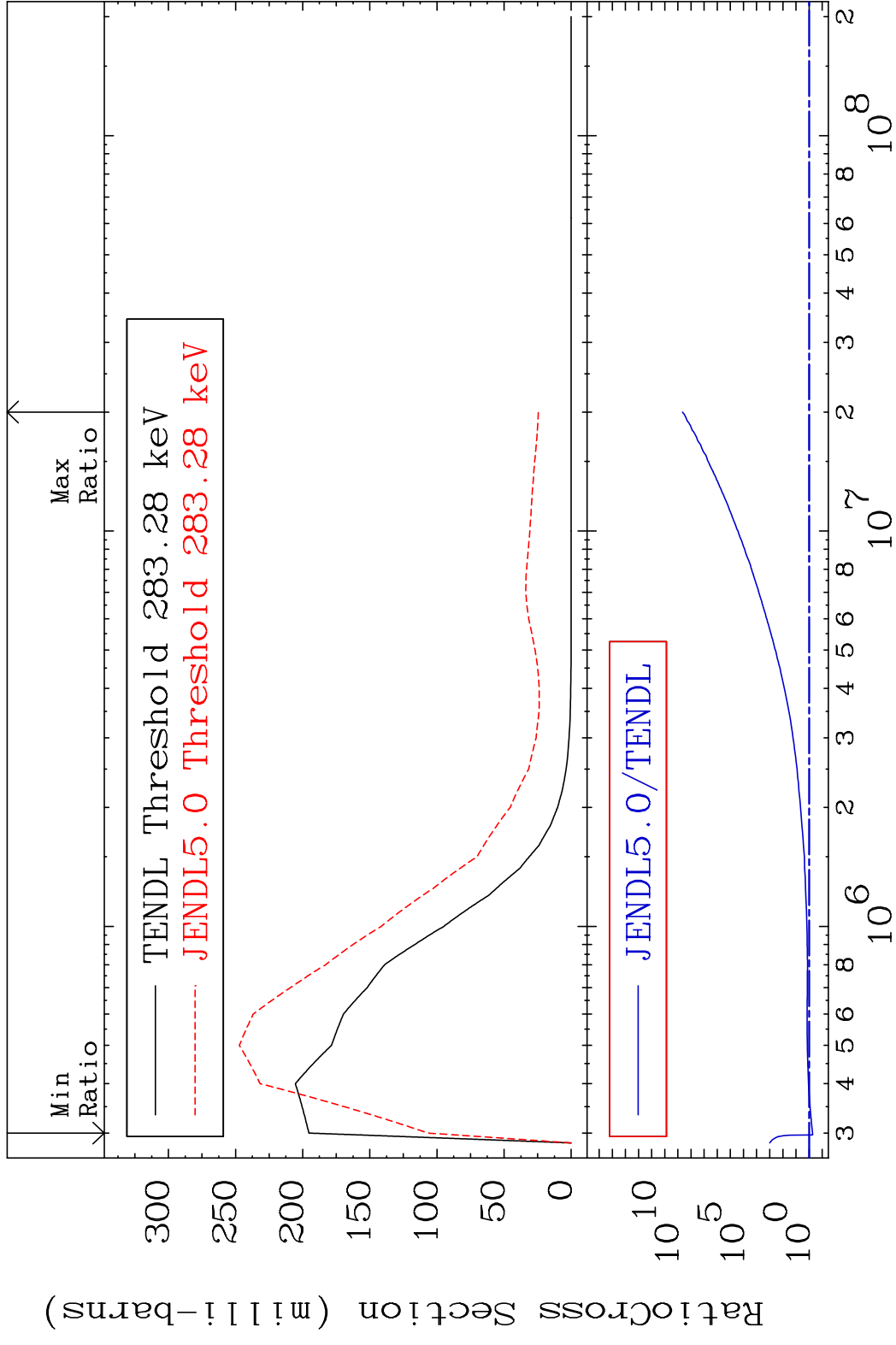
MAT 6840 MT= 53 (n, n') Level 68-Er-167  
 Cross Section 4.406 To 9999. %



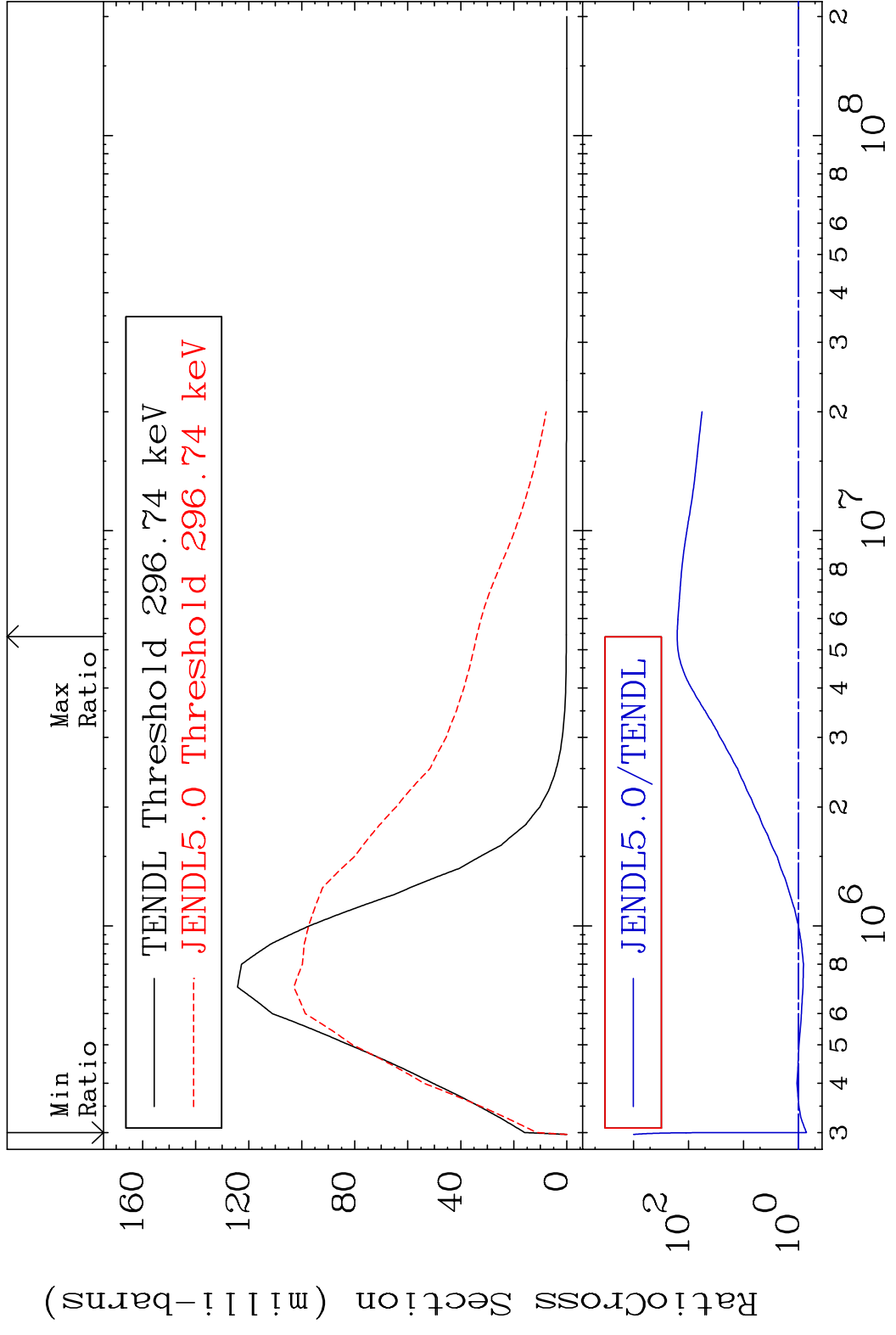
MAT 6840 MT= 54 (n, n') Level 68-Er-167  
 Cross Section -4.615 To 9999. %



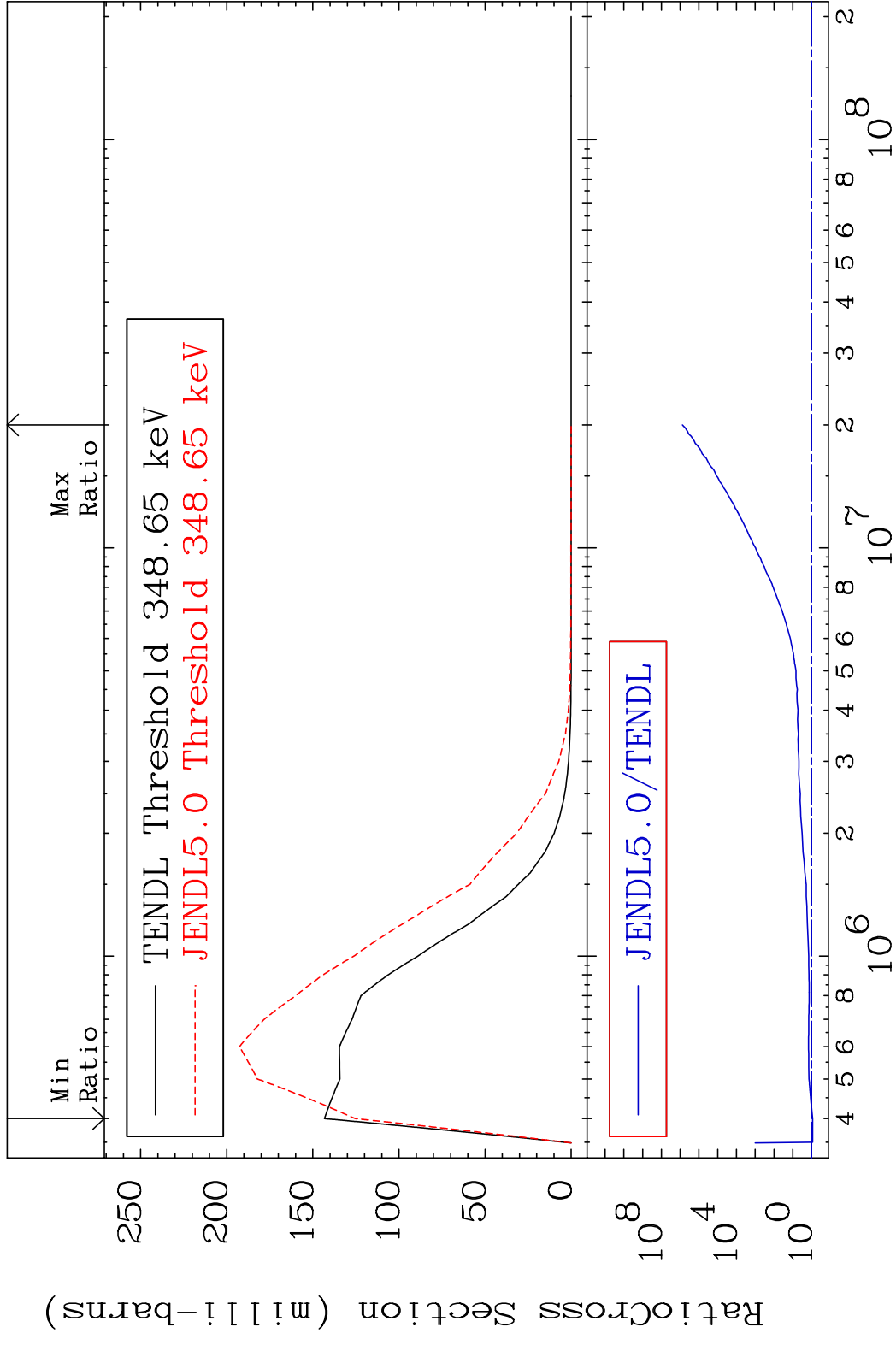
MAT 6840 MT= 55 (n, n') Level 68-Er-167  
 Cross Section -45.45 To 9999. %



MAT 6840 MT= 56 (n,n') Level 68-Er-167  
 Cross Section -28.11 To 9999. %

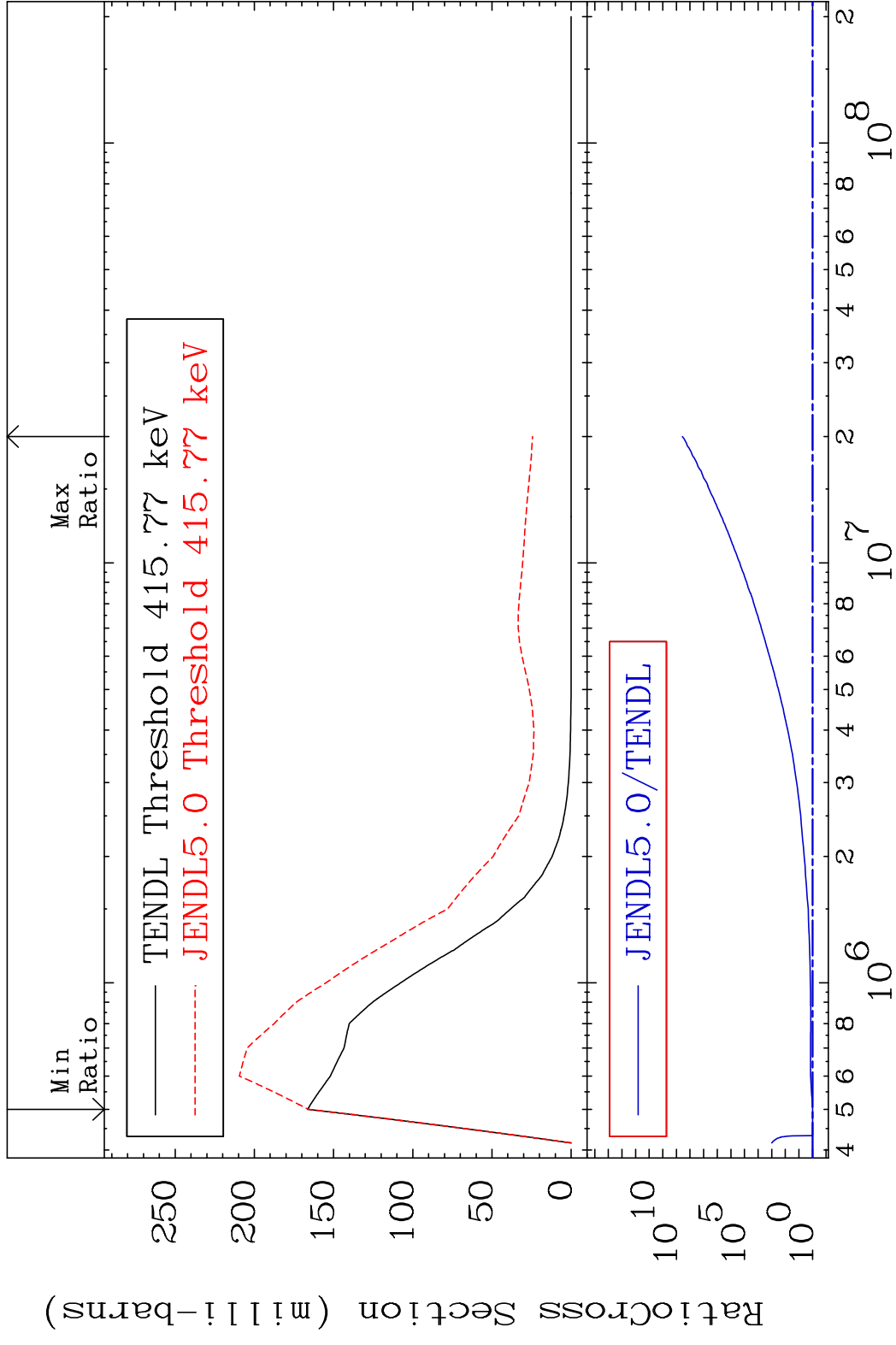


MAT 6840 MT= 57 (n, n') Level 68-Er-167  
 Cross Section -12.42 To 9999. %

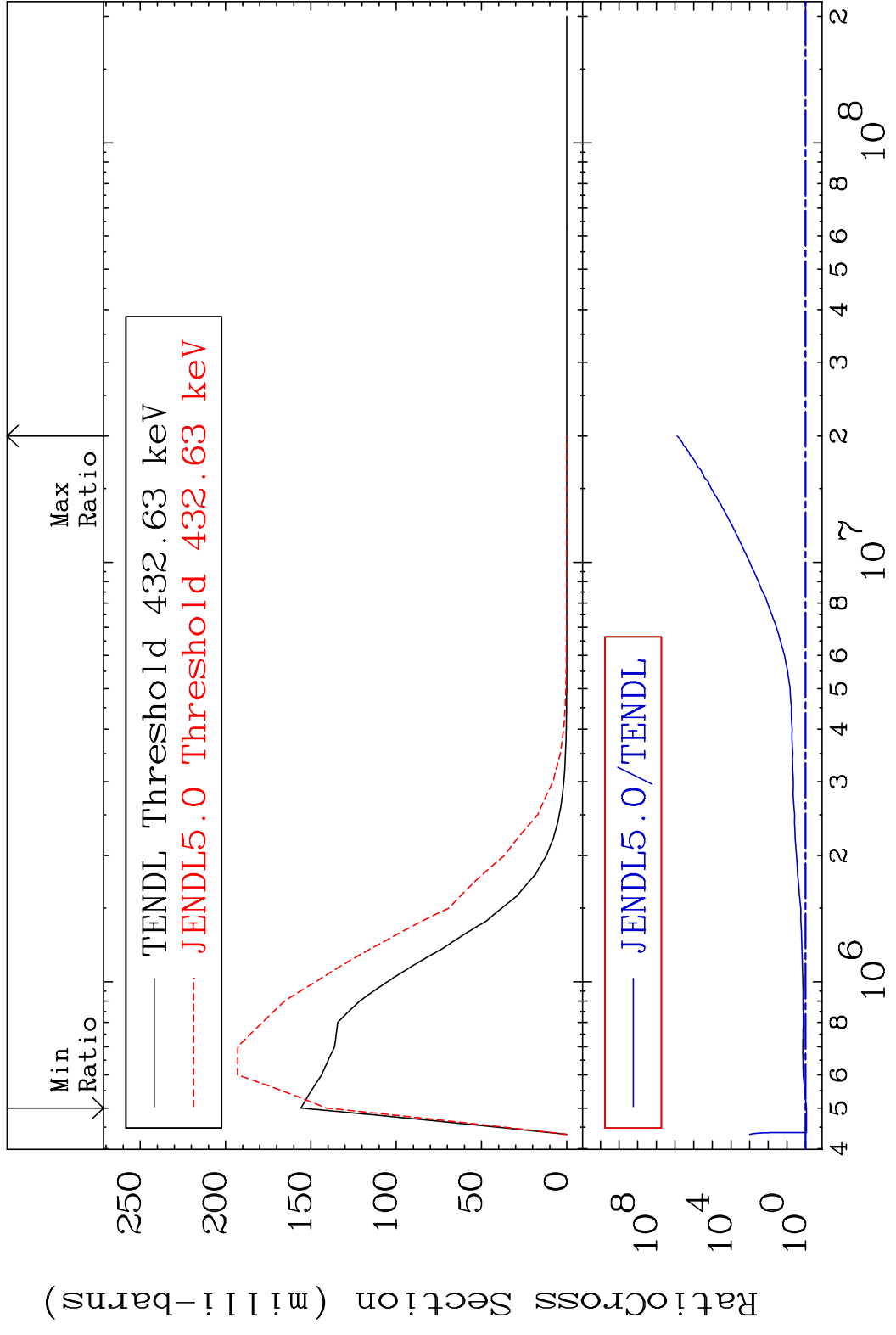




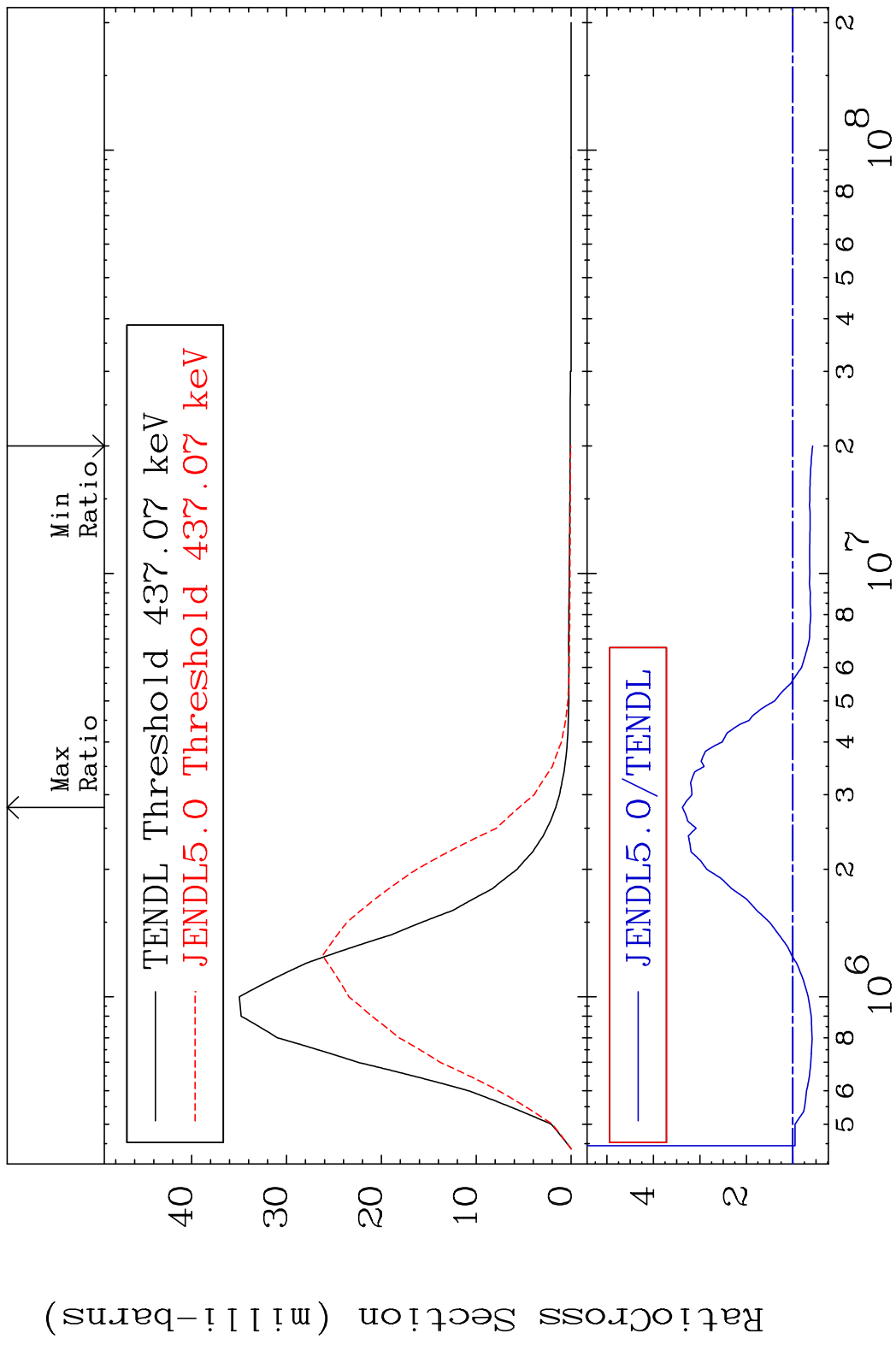
MAT 6840 MT= 58 (n, n') Level 68-Er-167  
 Cross Section -0.209 To 9999. %



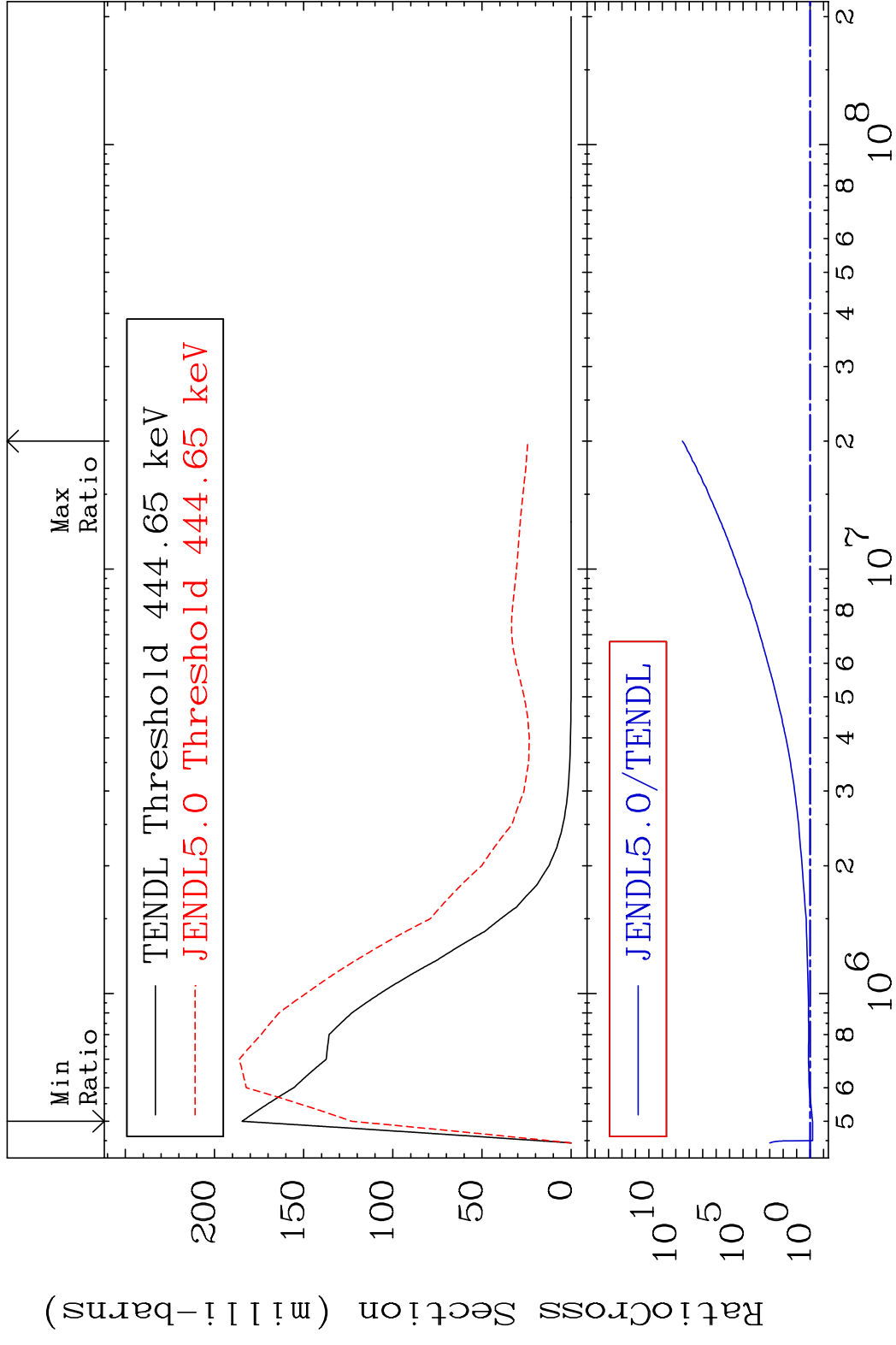
MAT 6840 MT= 59 (n, n') Level 68-Er-167  
 Cross Section -9.524 To 9999. %



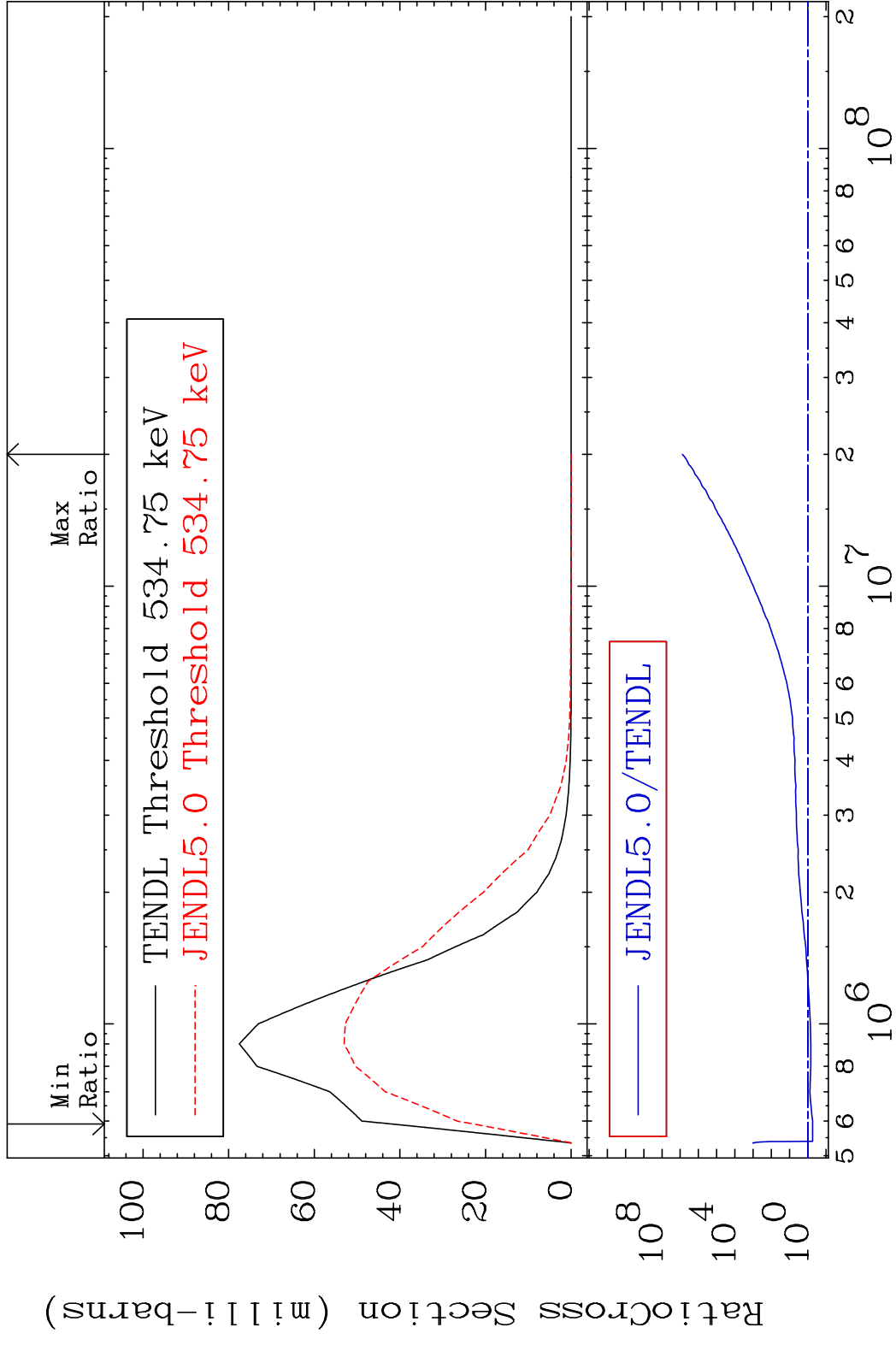
MAT 6840 MT= 60 (n, n') Level 68-Er-167  
 Cross Section -42.40 To 237.7 %



MAT 6840 MT= 61 (n, n') Level 68-Er-167  
 Cross Section -33.34 To 9999. %

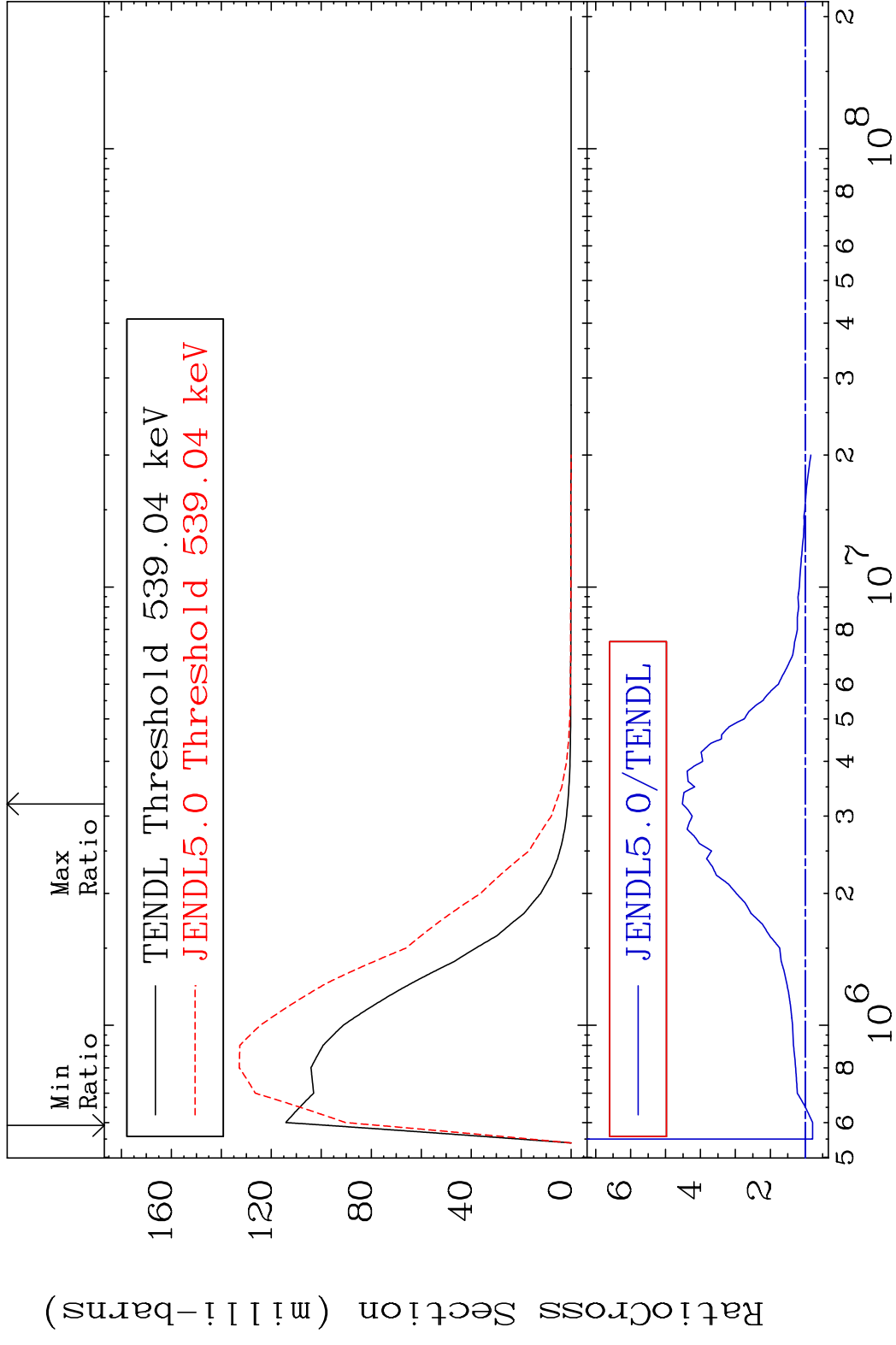


MAT 6840 MT= 62 (n, n') Level 68-Er-167  
 Cross Section -45.49 To 9999. %

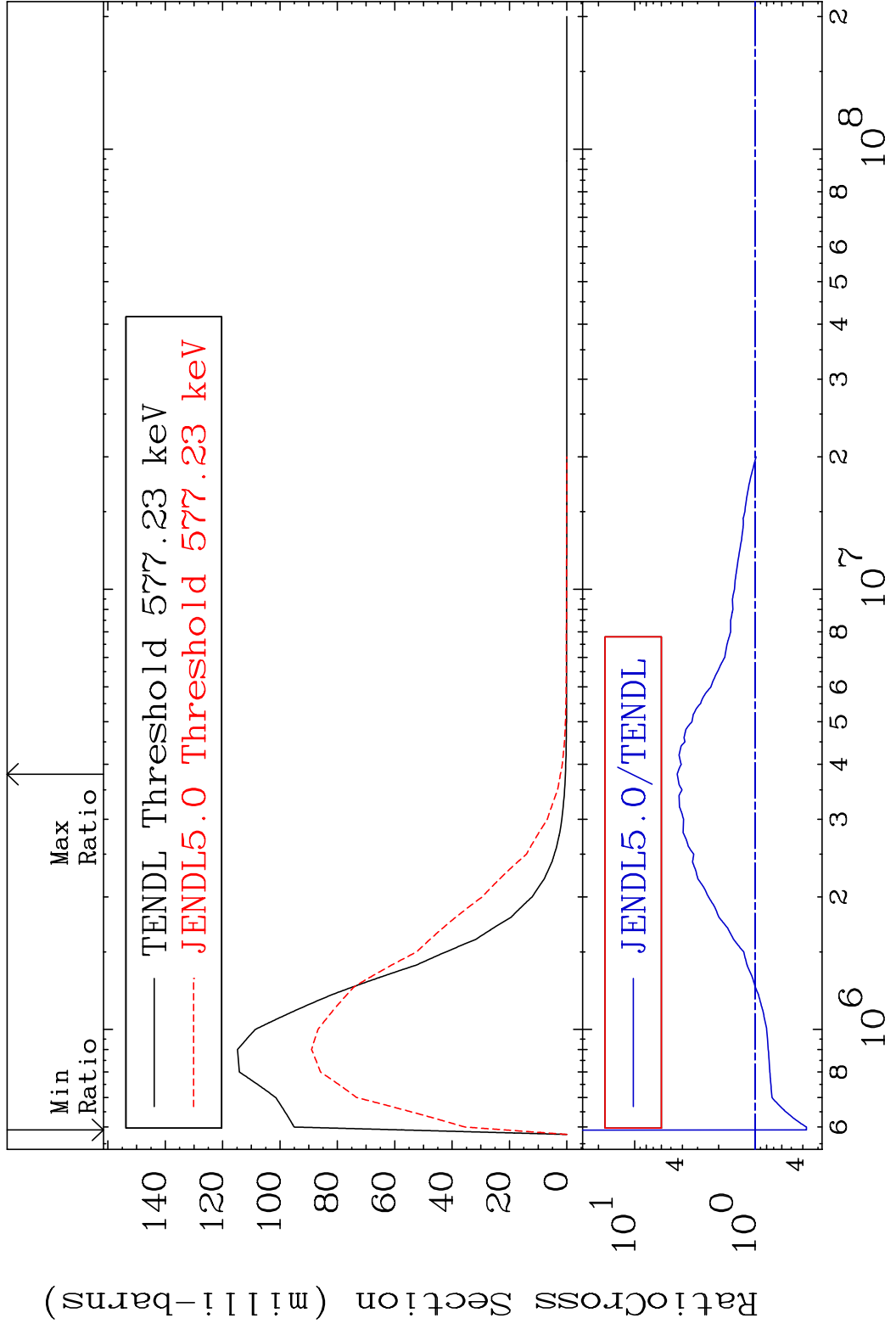


20 Incident Energy (eV) 68-Er-167

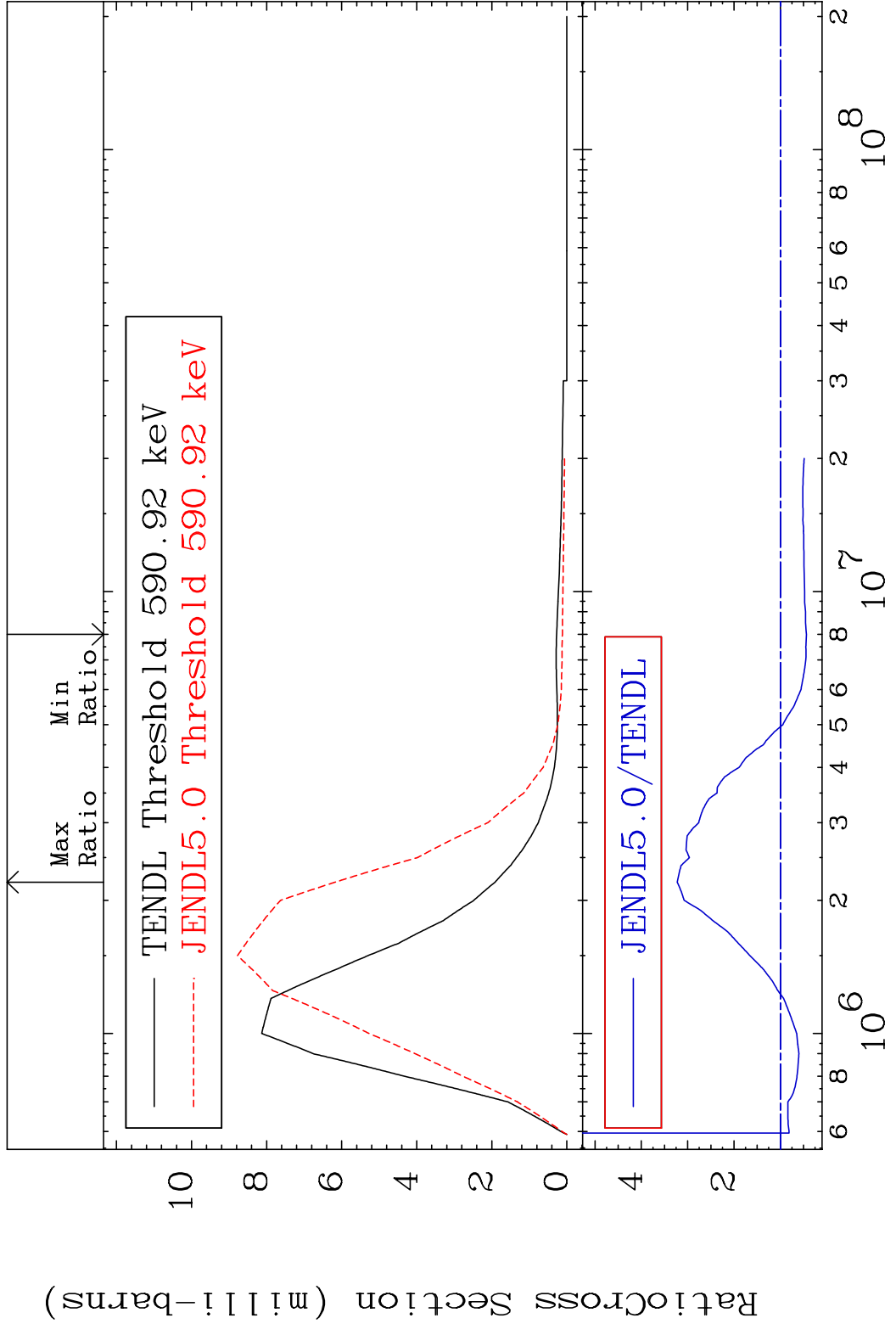
MAT 6840 MT= 63 (n, n') Level 68-Er-167  
 Cross Section -20.89 To 351.8 %



MAT 6840 MT= 64 (n, n') Level 68-Er-167  
 Cross Section -62.60 To 342.9 %

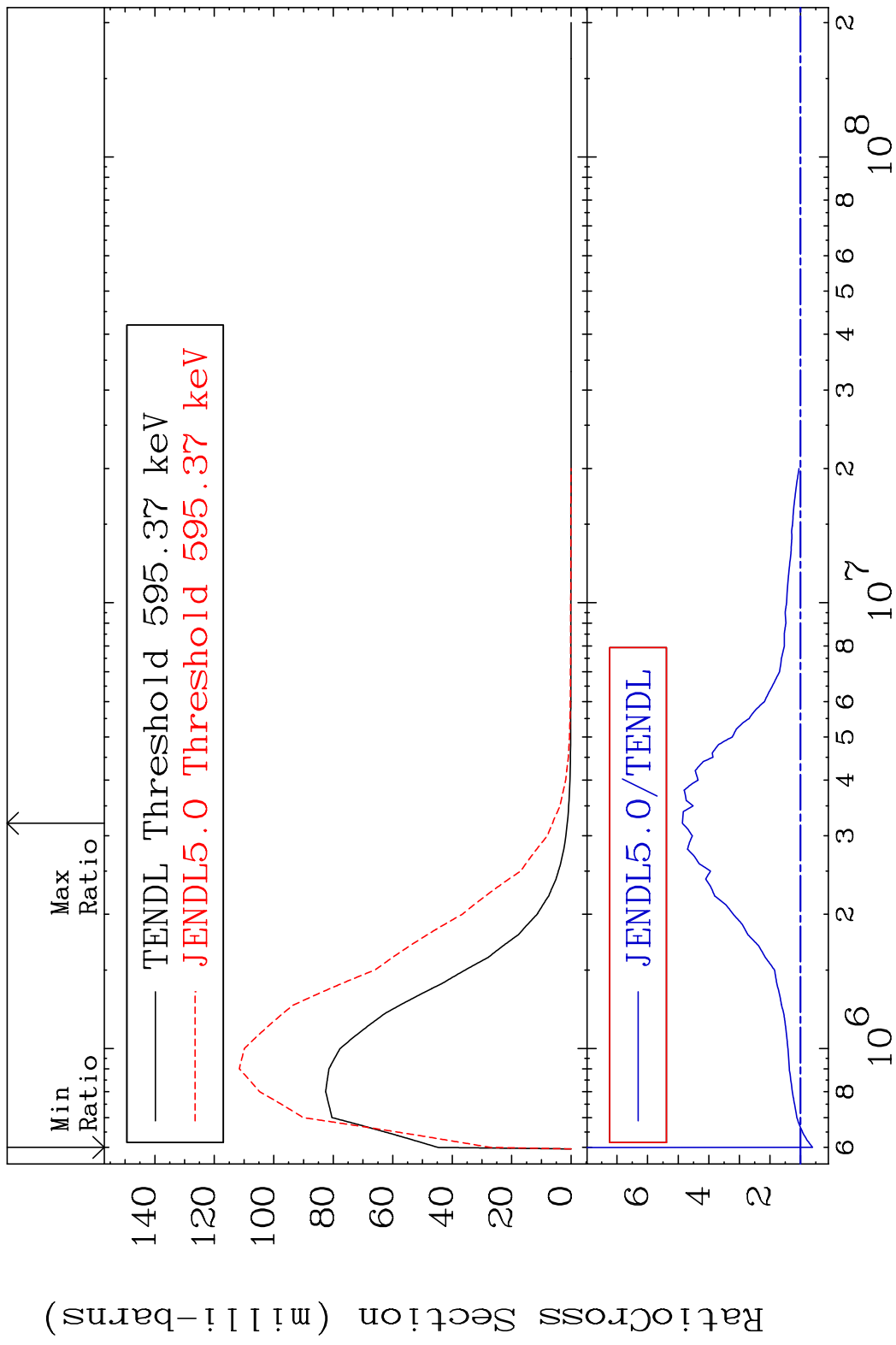


MAT 6840 MT= 65 (n, n') Level 68-Er-167  
 Cross Section -56.28 To 222.6 %

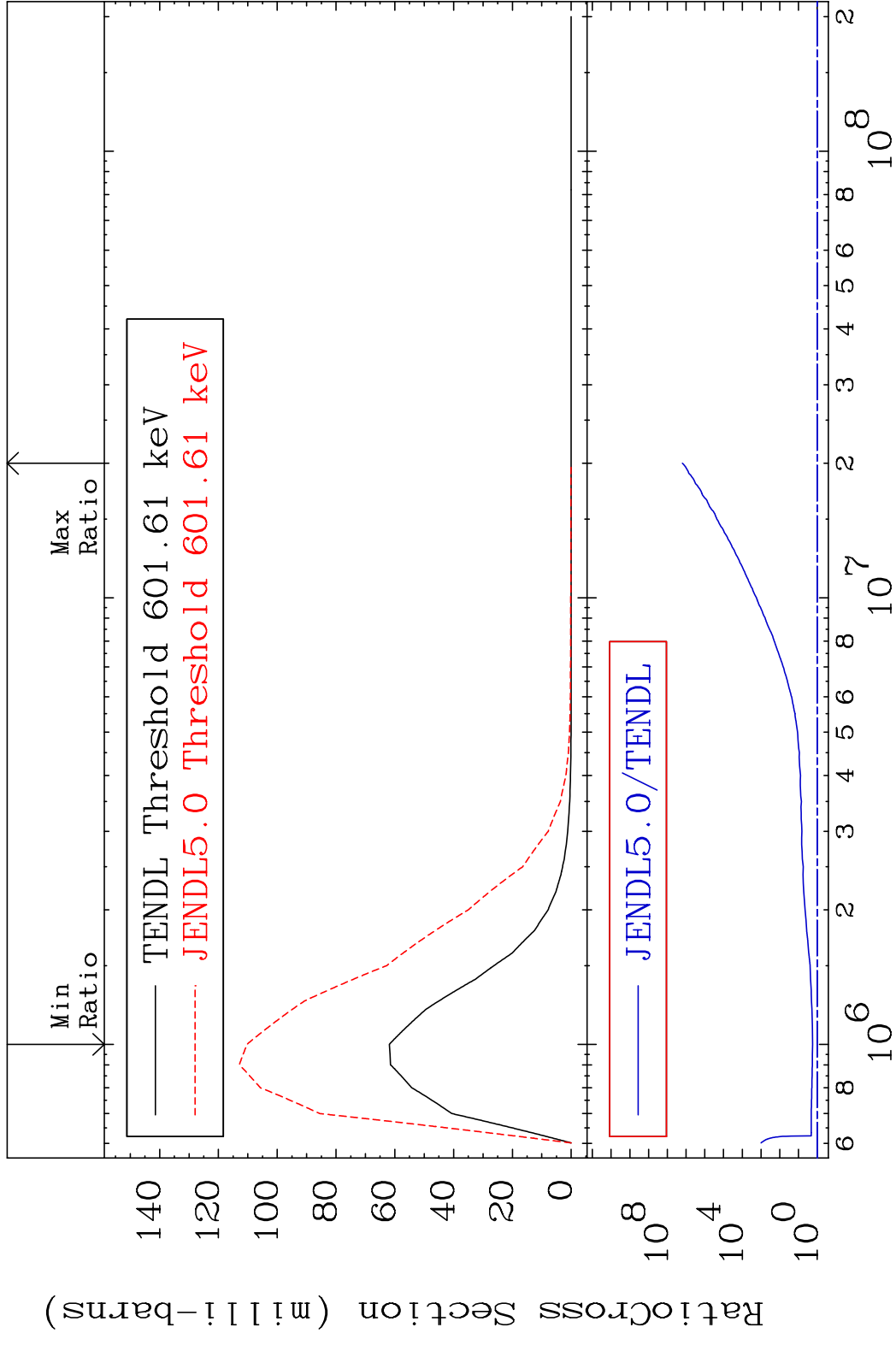




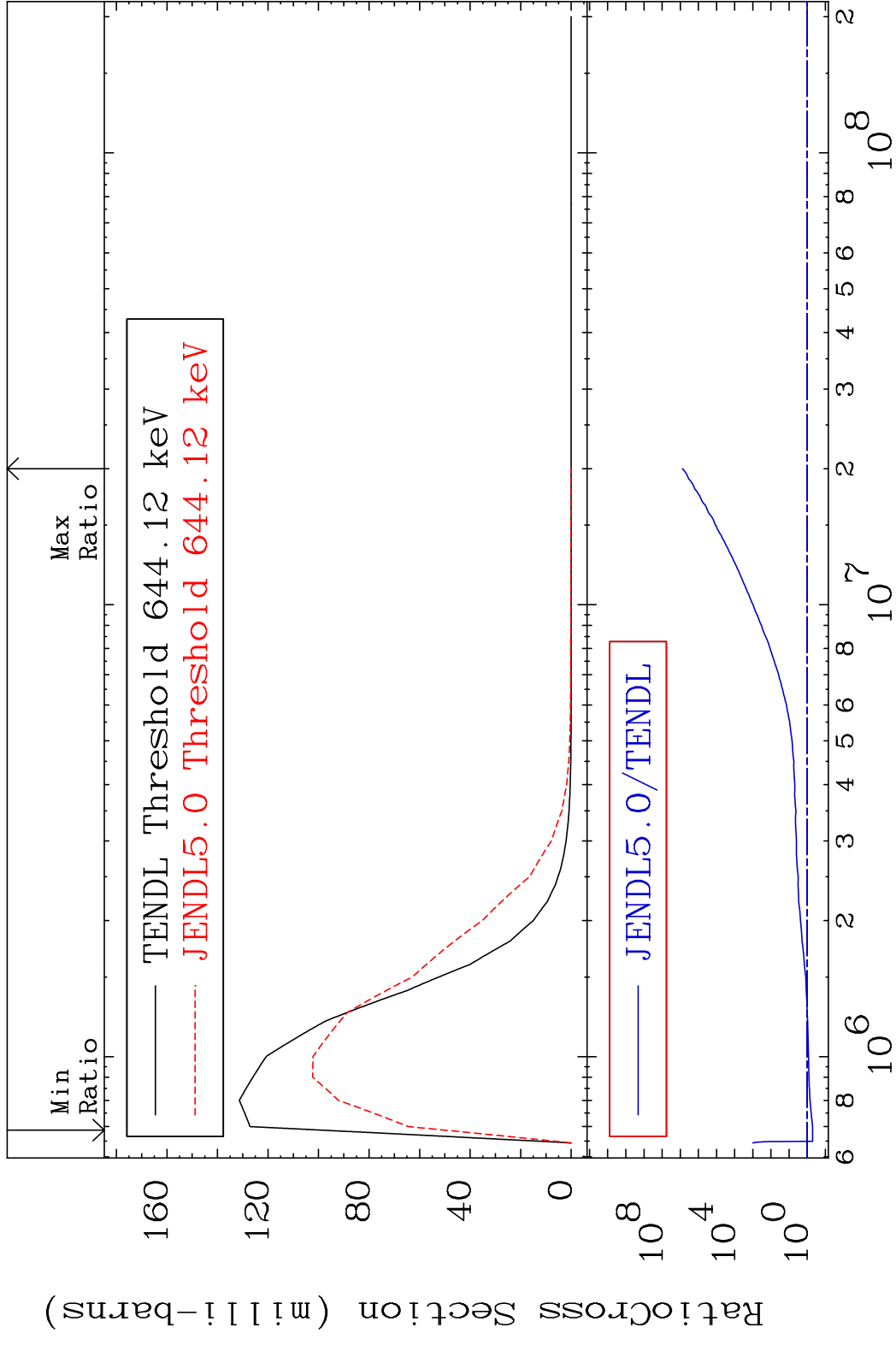
MAT 6840 MT= 66 (n, n') Level 68-Er-167  
 Cross Section -39.24 To 386.4 %



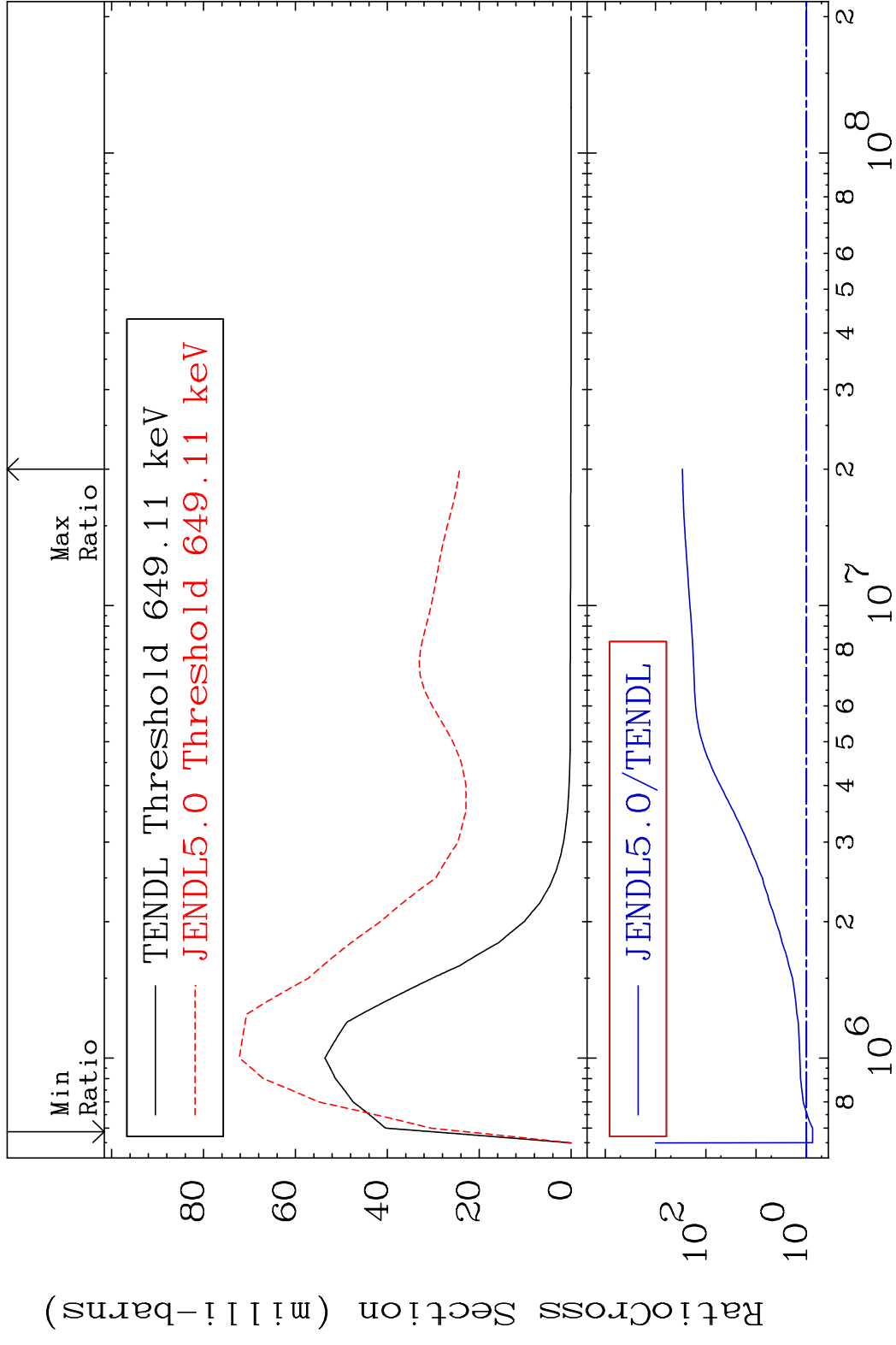
MAT 6840 MT= 67 (n, n') Level 68-Er-167  
 Cross Section 78.24 To 9999. %



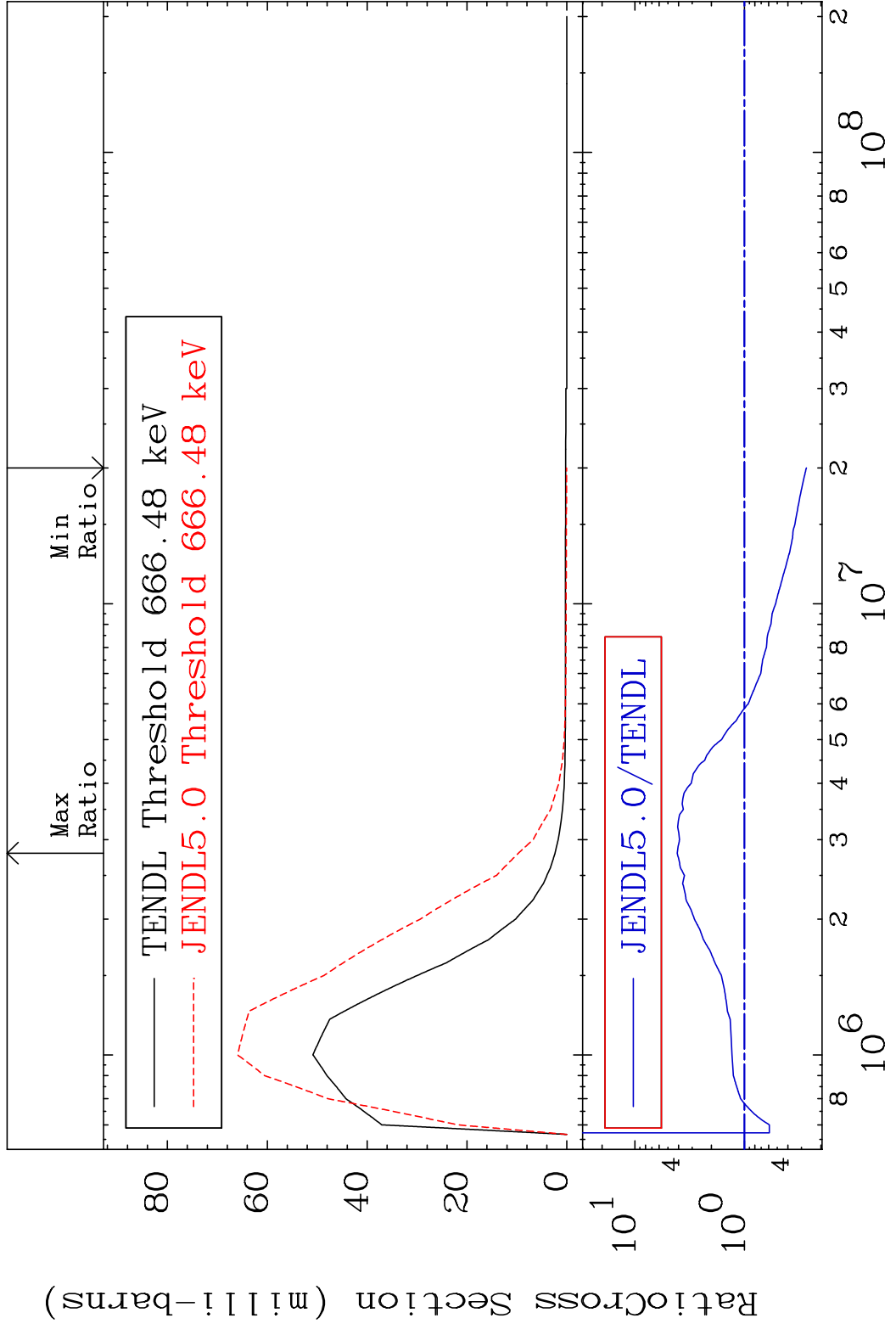
MAT 6840 MT= 68 (n, n') Level 68-Er-167  
 Cross Section -49.29 To 9999. %



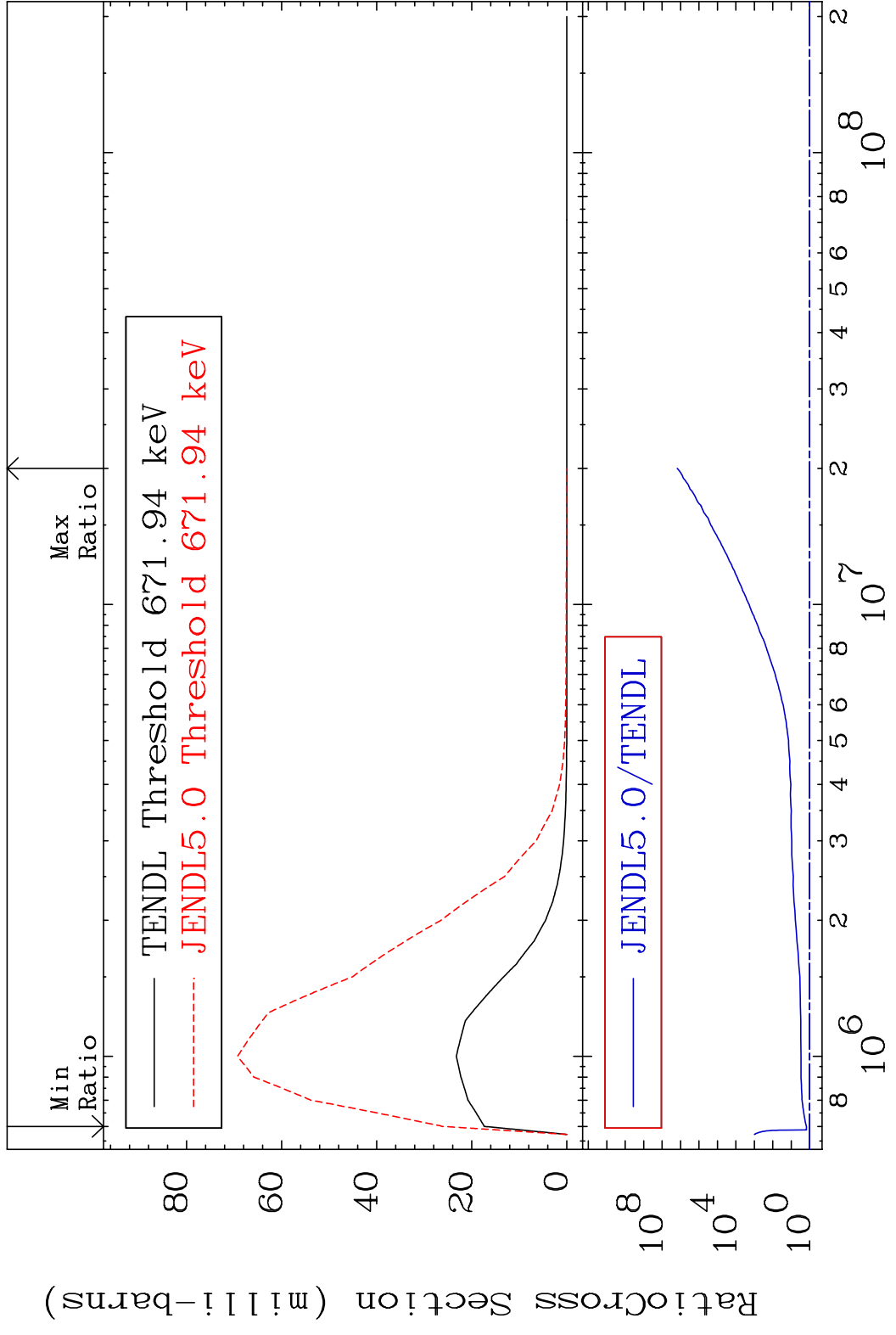
MAT 6840 MT= 69 (n, n') Level 68-Er-167  
 Cross Section -24.39 To 9999. %



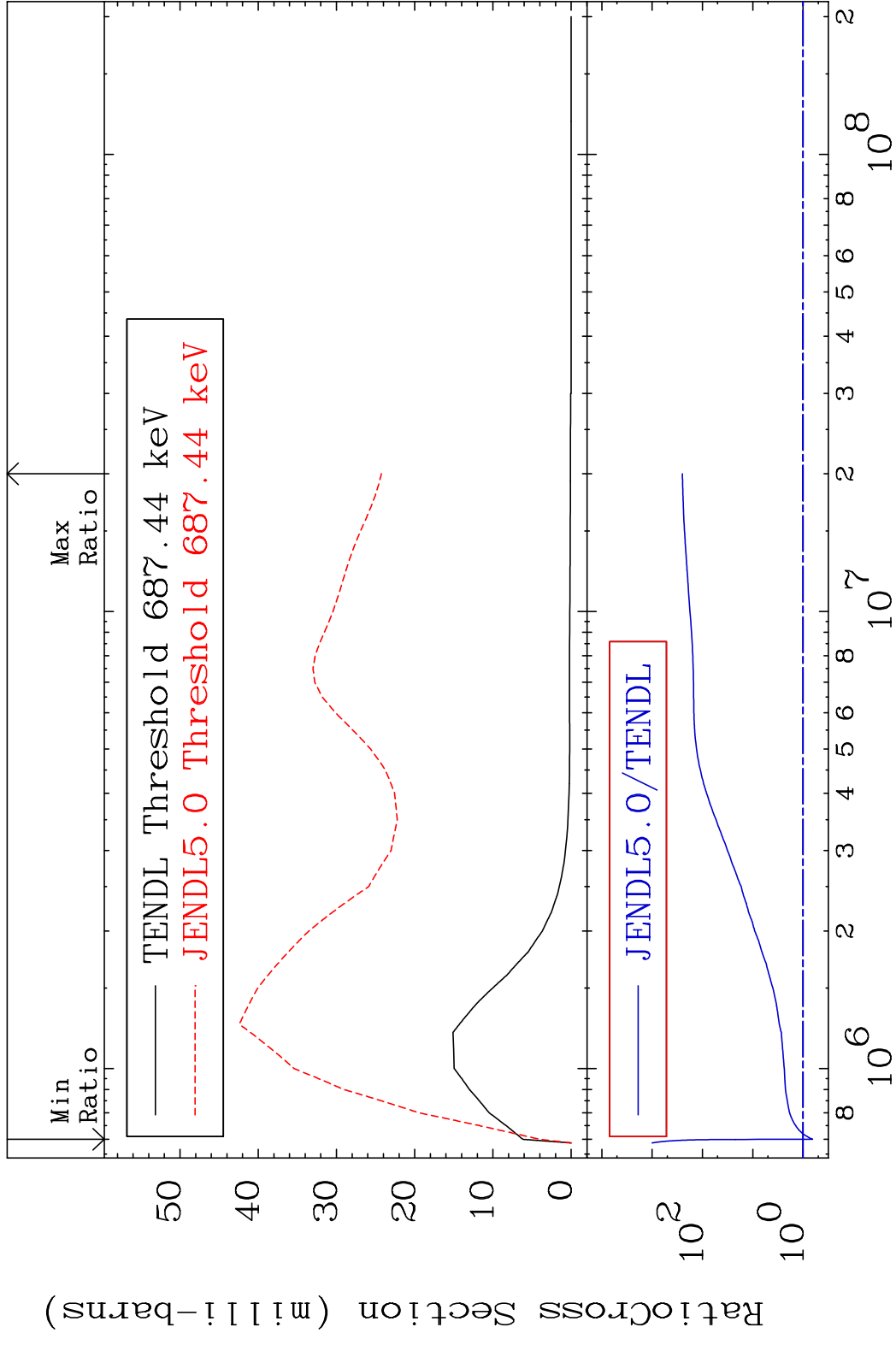
MAT 6840 MT= 70 (n, n') Level 68-Er-167  
 Cross Section -72.91 To 311.0 %



MAT 6840 MT= 71 (n, n') Level 68-Er-167  
 Cross Section 50.44 To 9999. %

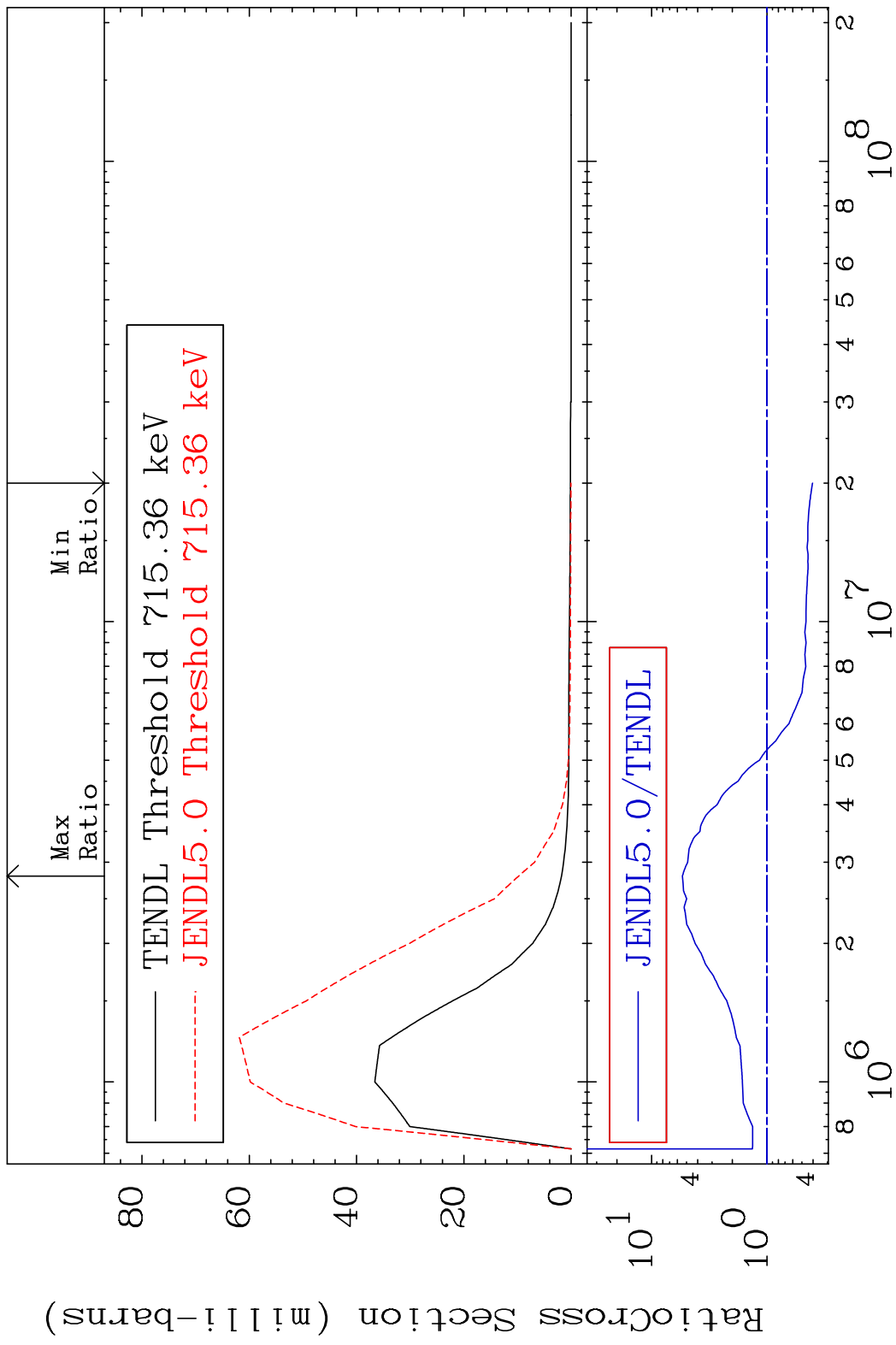


MAT 6840 MT= 72 (n, n') Level 68-Er-167  
 Cross Section -35.17 To 9999. %



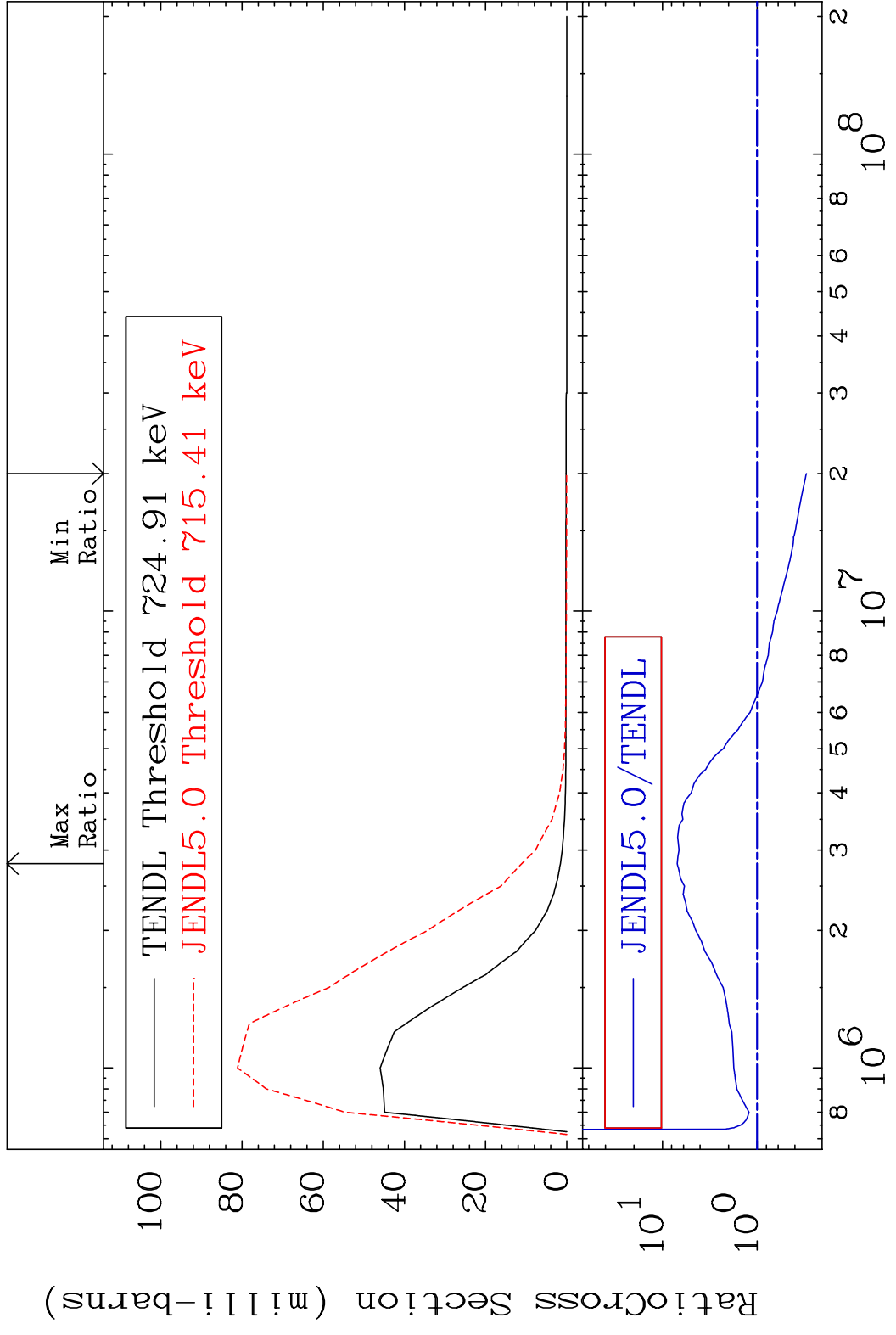
30 Incident Energy (eV) 68-Er-167

MAT 6840 MT= 73 (n, n') Level 68-Er-167  
 Cross Section -59.61 To 442.0 %

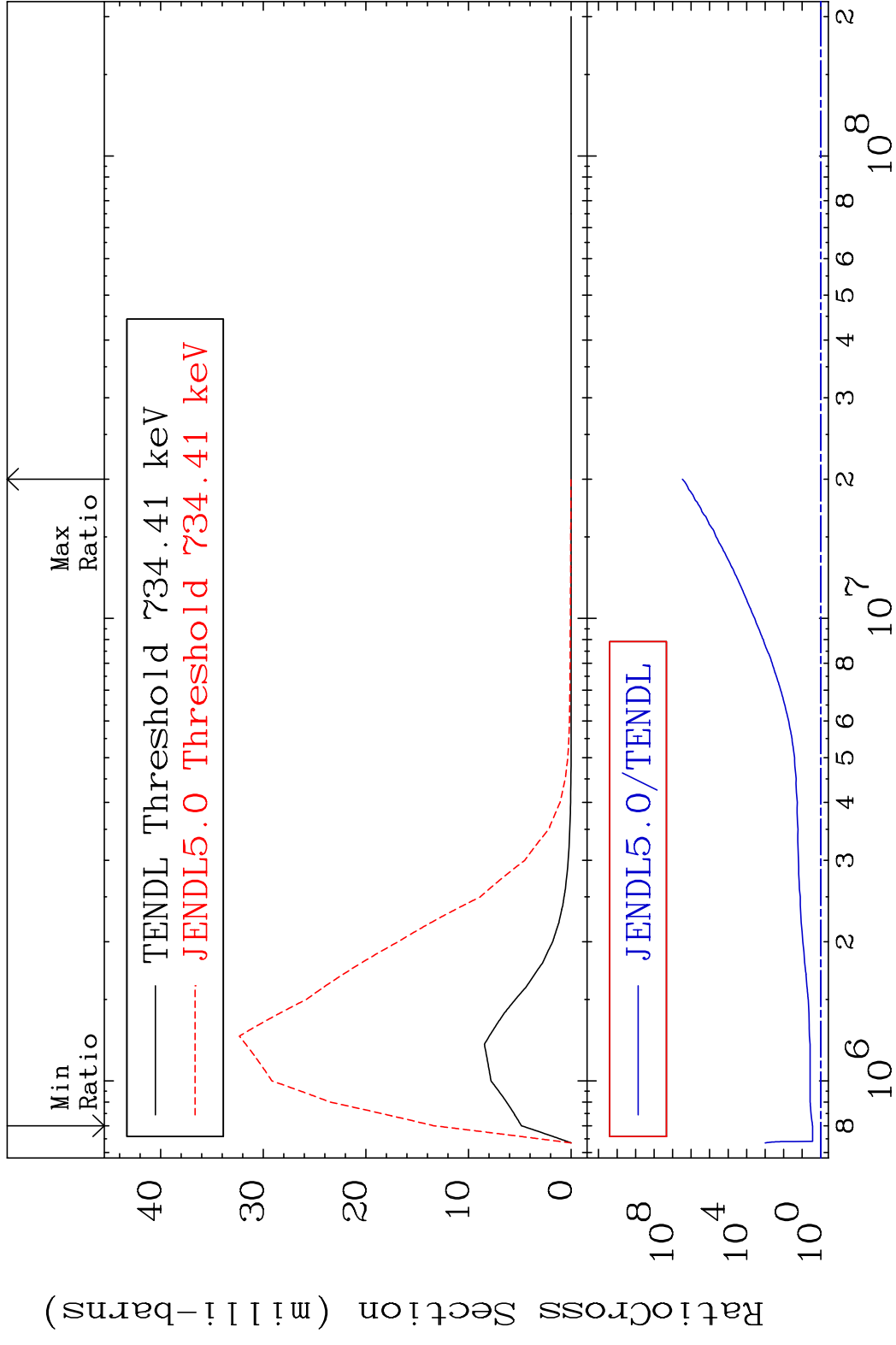




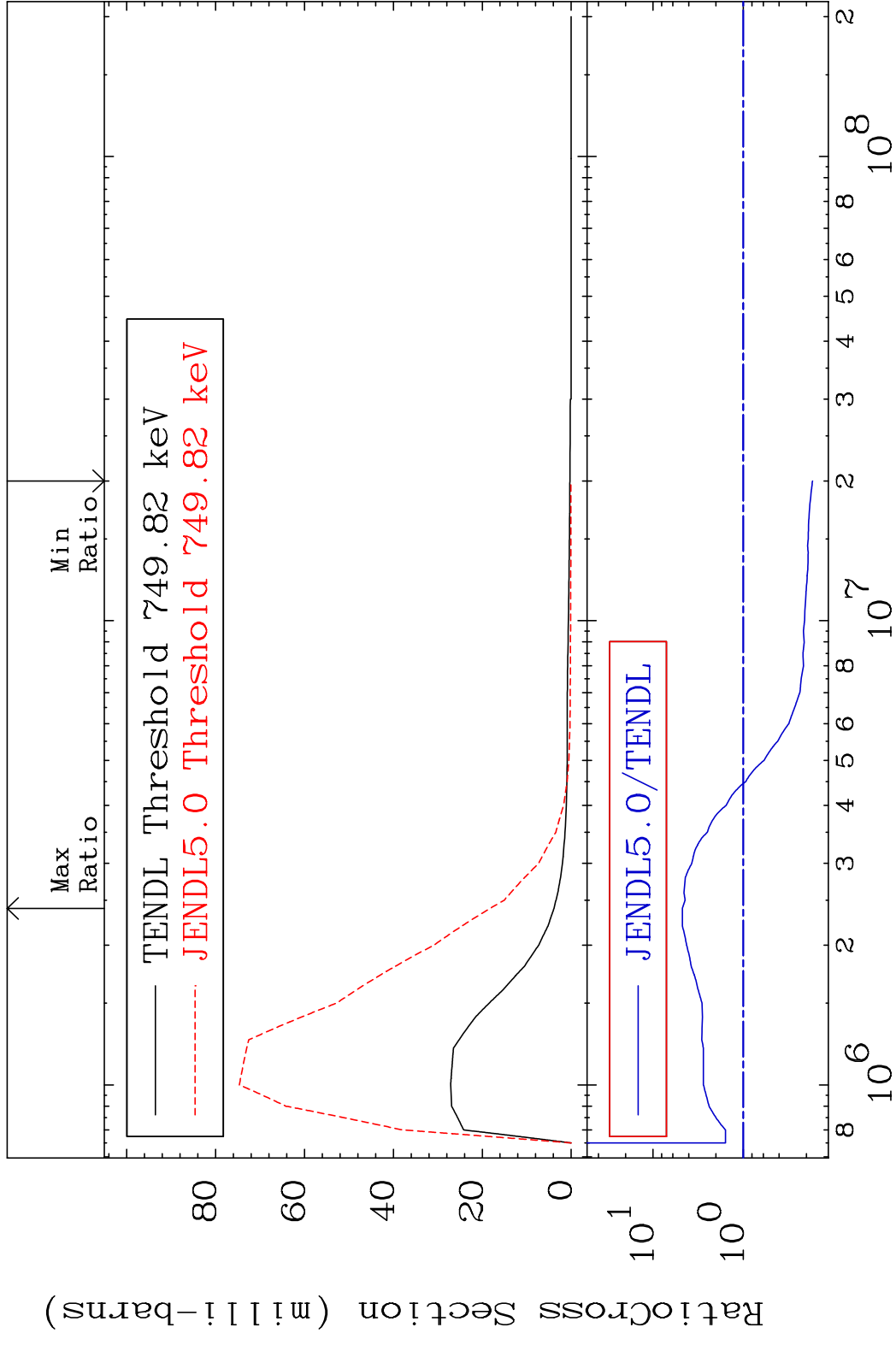
MAT 6840 MT= 74 (n, n') Level 68-Er-167  
 Cross Section -69.83 To 598.7 %



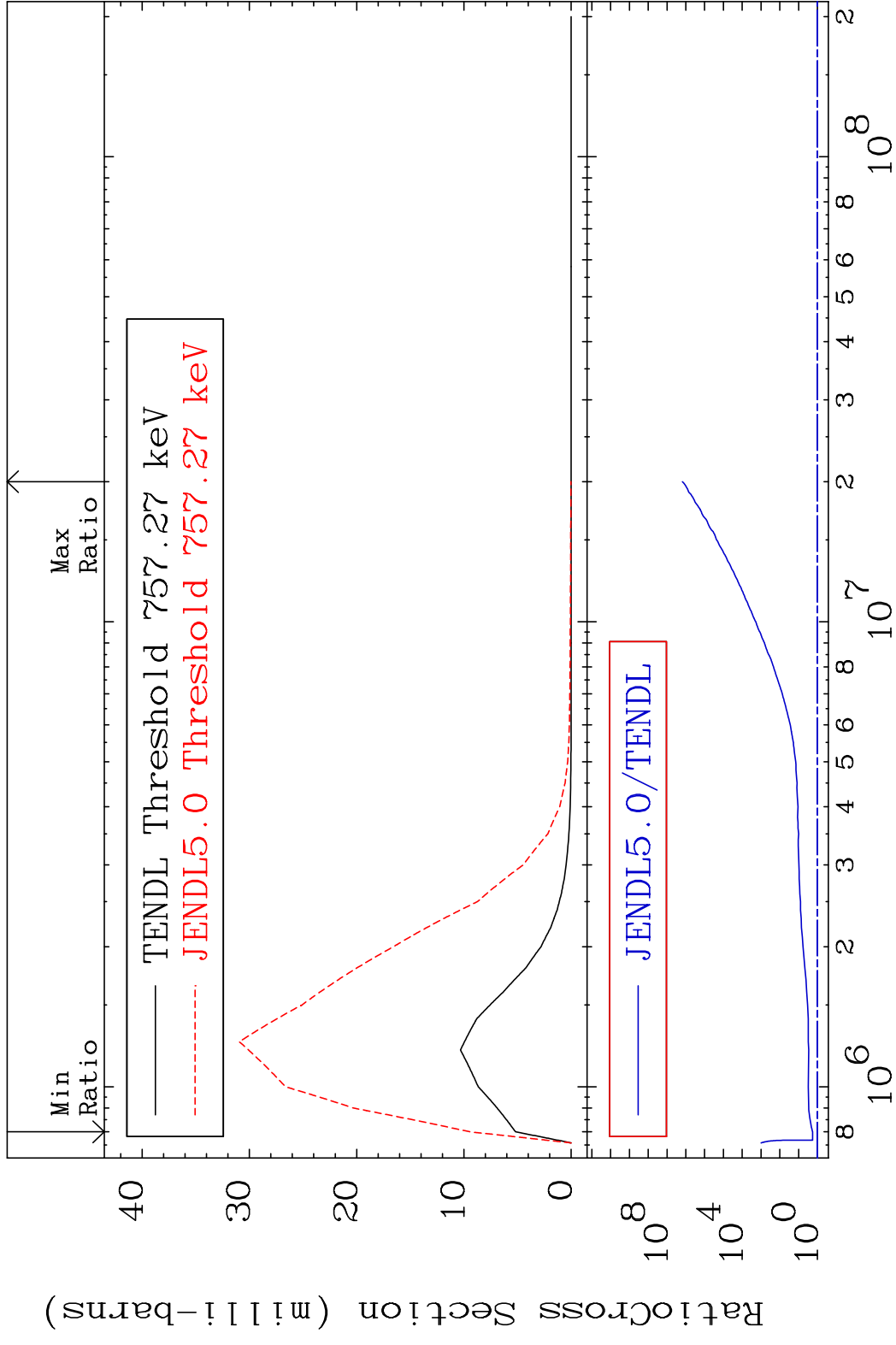
MAT 6840 MT= 75 (n, n') Level 68-Er-167  
 Cross Section 176.0 To 9999. %



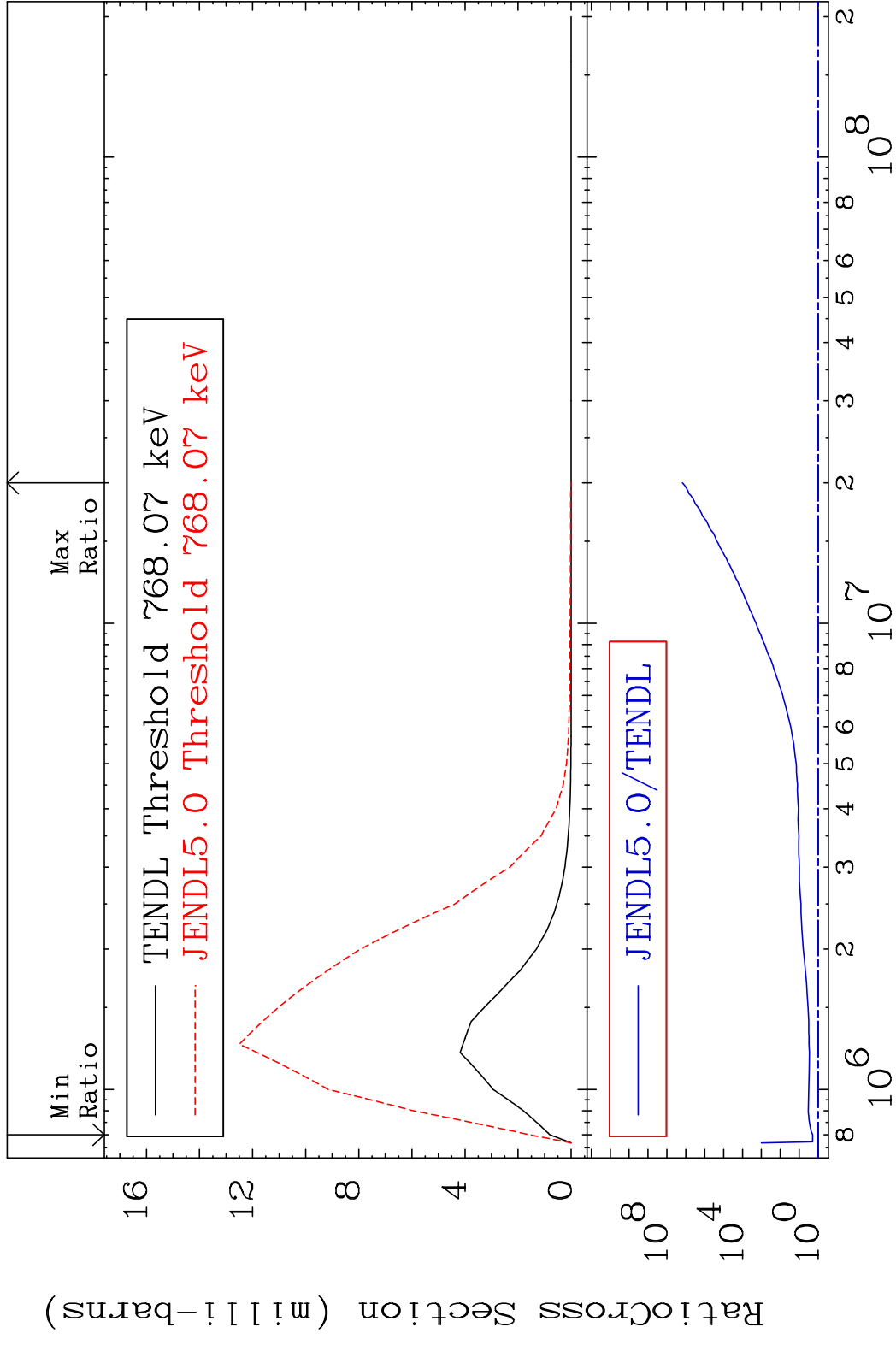
MAT 6840 MT= 76 (n, n') Level 68-Er-167  
 Cross Section -82.92 To 371.6 %



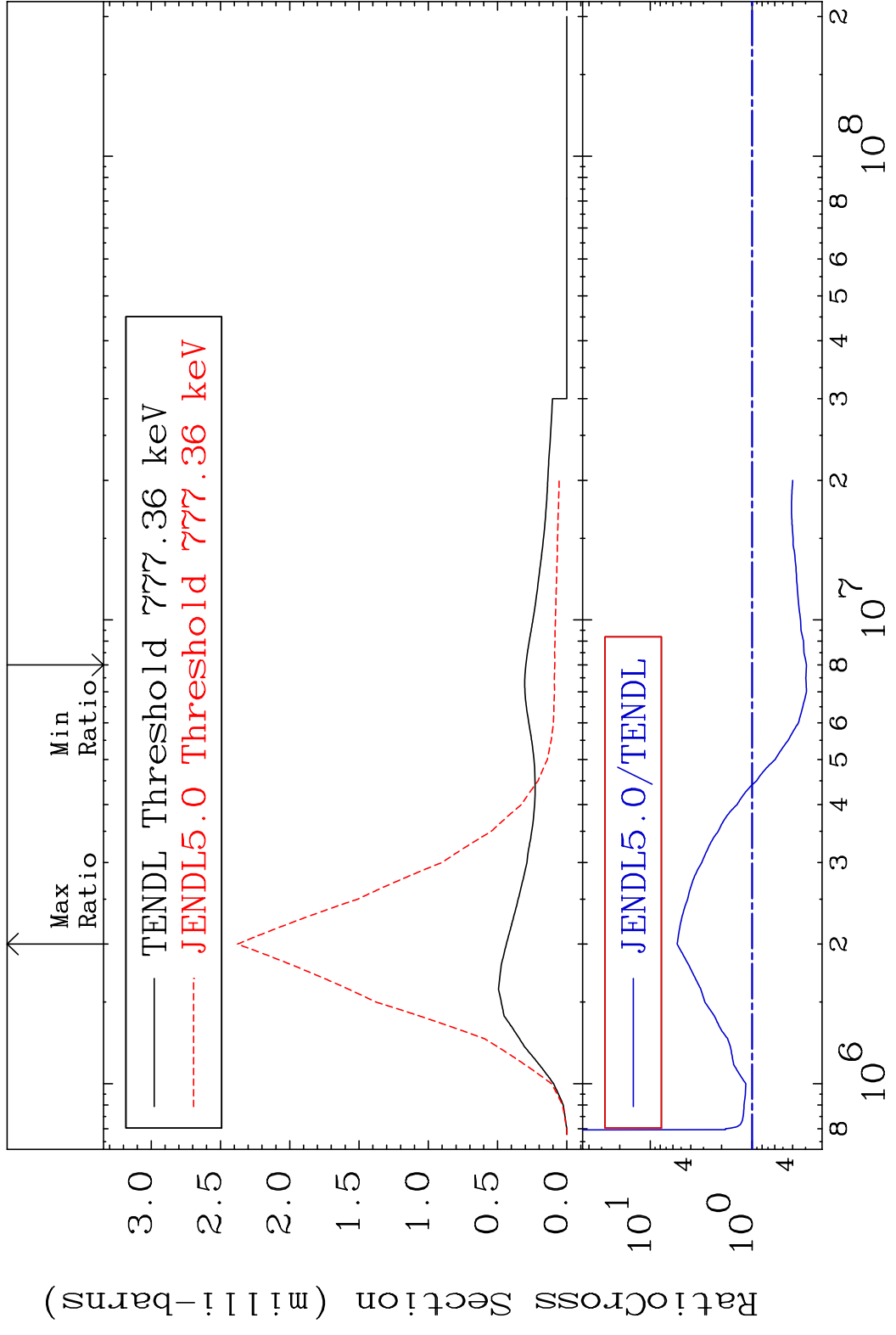
MAT 6840 MT= 77 (n, n') Level 68-Er-167  
 Cross Section 81.88 To 9999. %



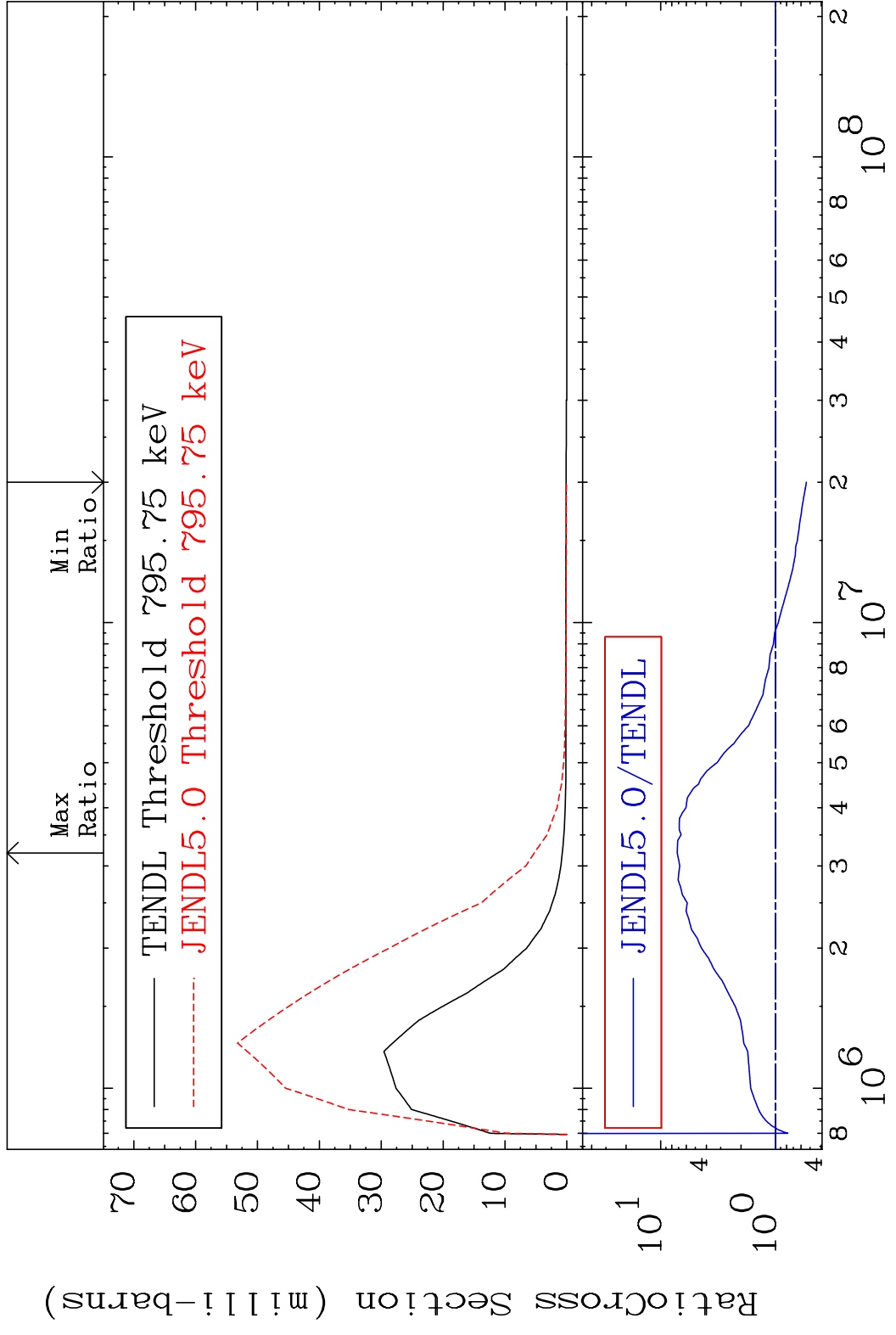
MAT 6840 MT= 78 (n, n') Level 68-Er-167  
 Cross Section 95.52 To 9999. %



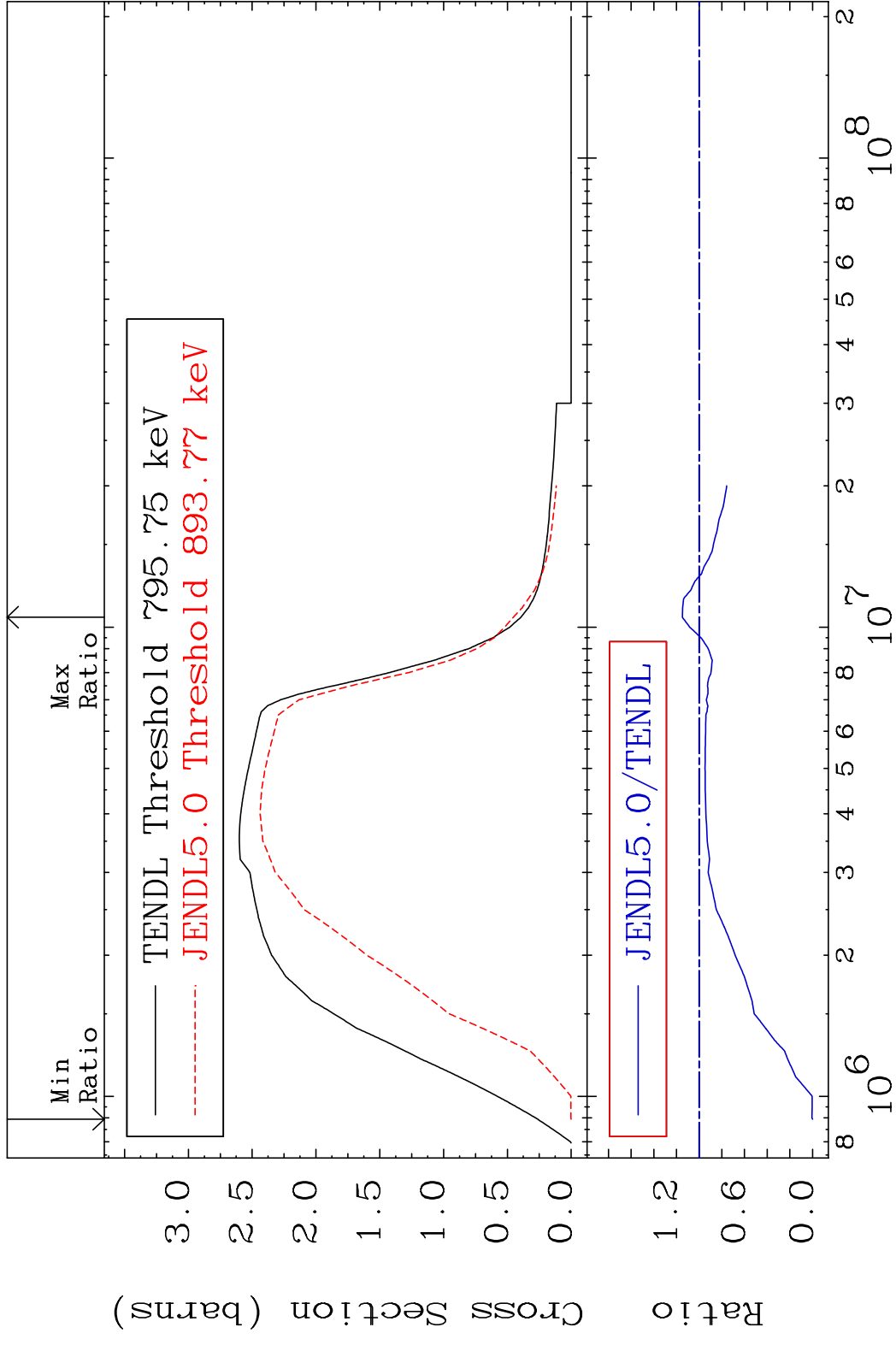
MAT 6840 MT= 79 (n, n') Level 68-Er-167  
 Cross Section -70.63 To 444.6 %



MAT 6840 MT= 80 (n, n') Level 68-Er-167  
 Cross Section -46.19 To 618.7 %



MAT 6840 (n,n') Continuum 68-Er-167  
 Cross Section -100.0 To 14.82 %



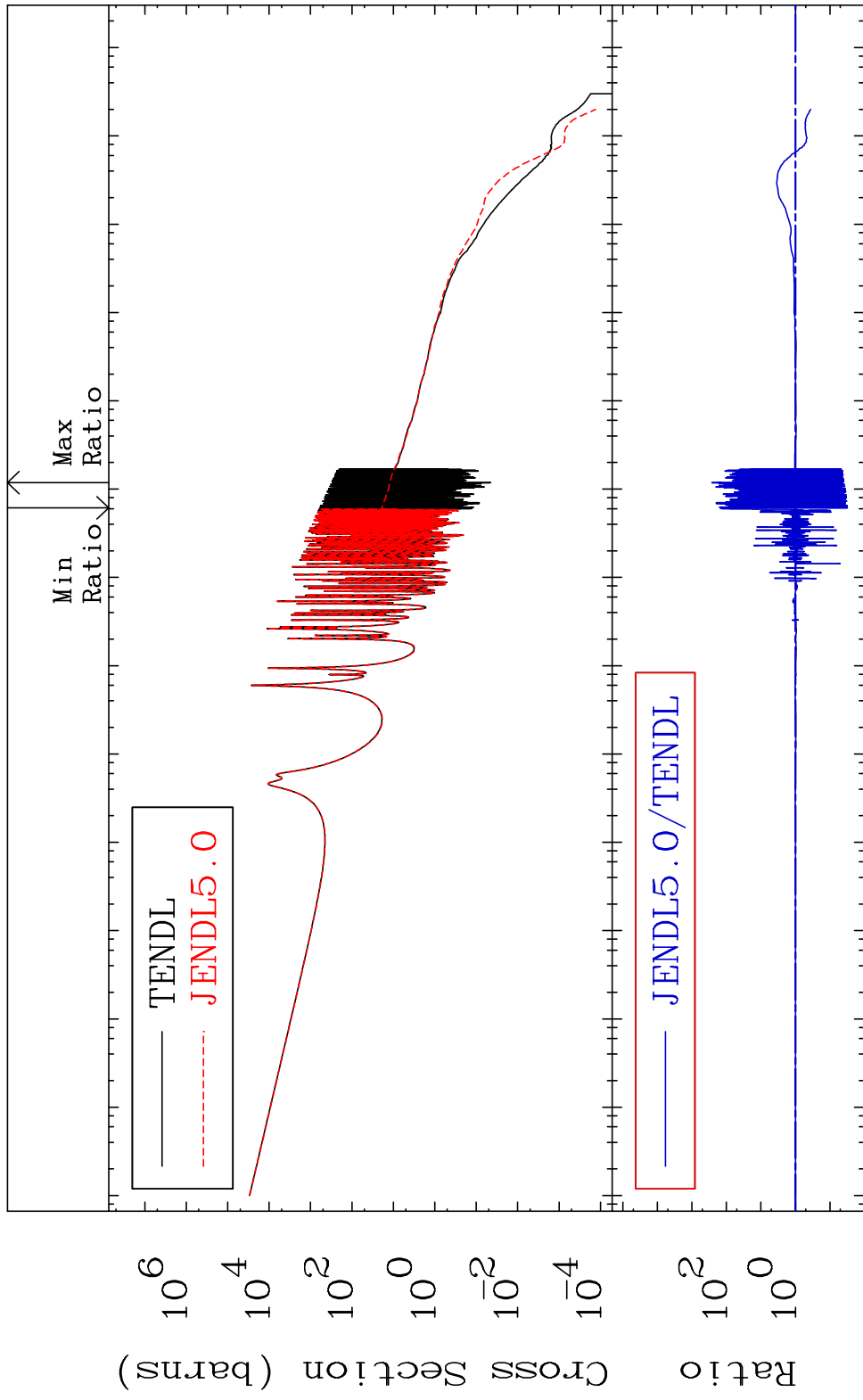


MAT 6840

(n,  $\gamma$ )

68-Er-167

Cross Section -96.86 To 9999. %



40

Incident Energy (eV)

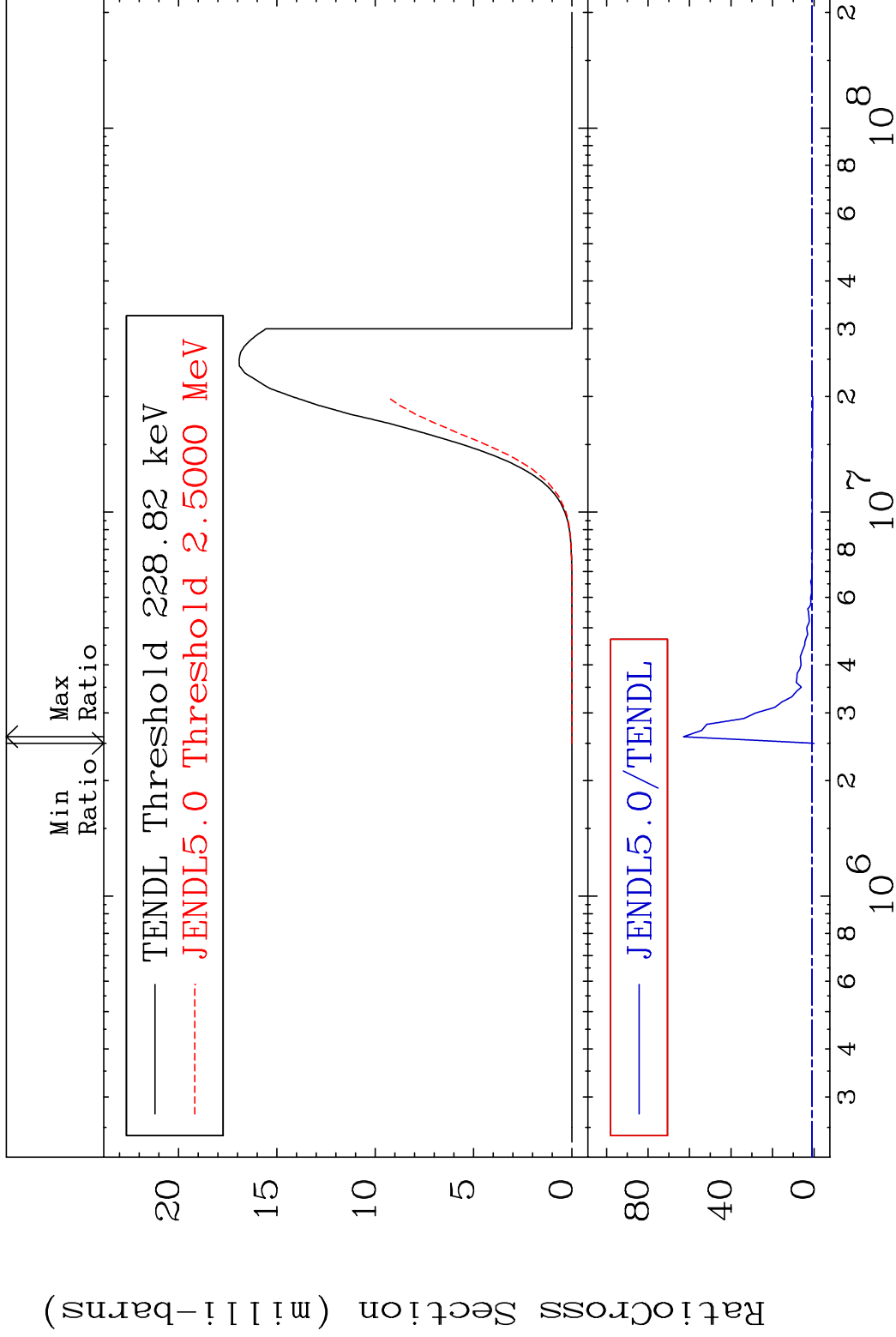
68-Er-167

MAT 6840

(n, p)

68-Er-167

Cross Section -100.0 To 6193. %

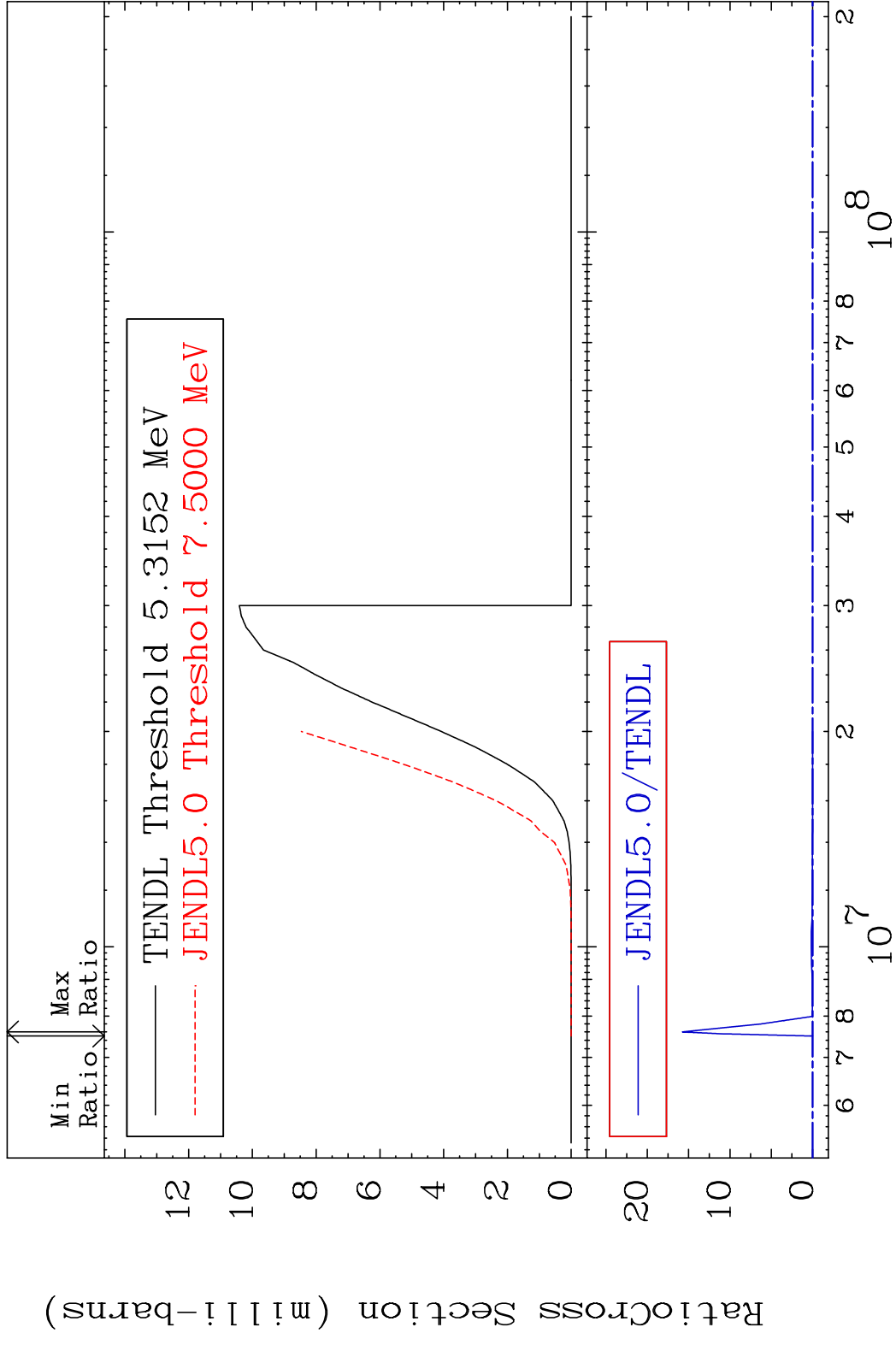


41

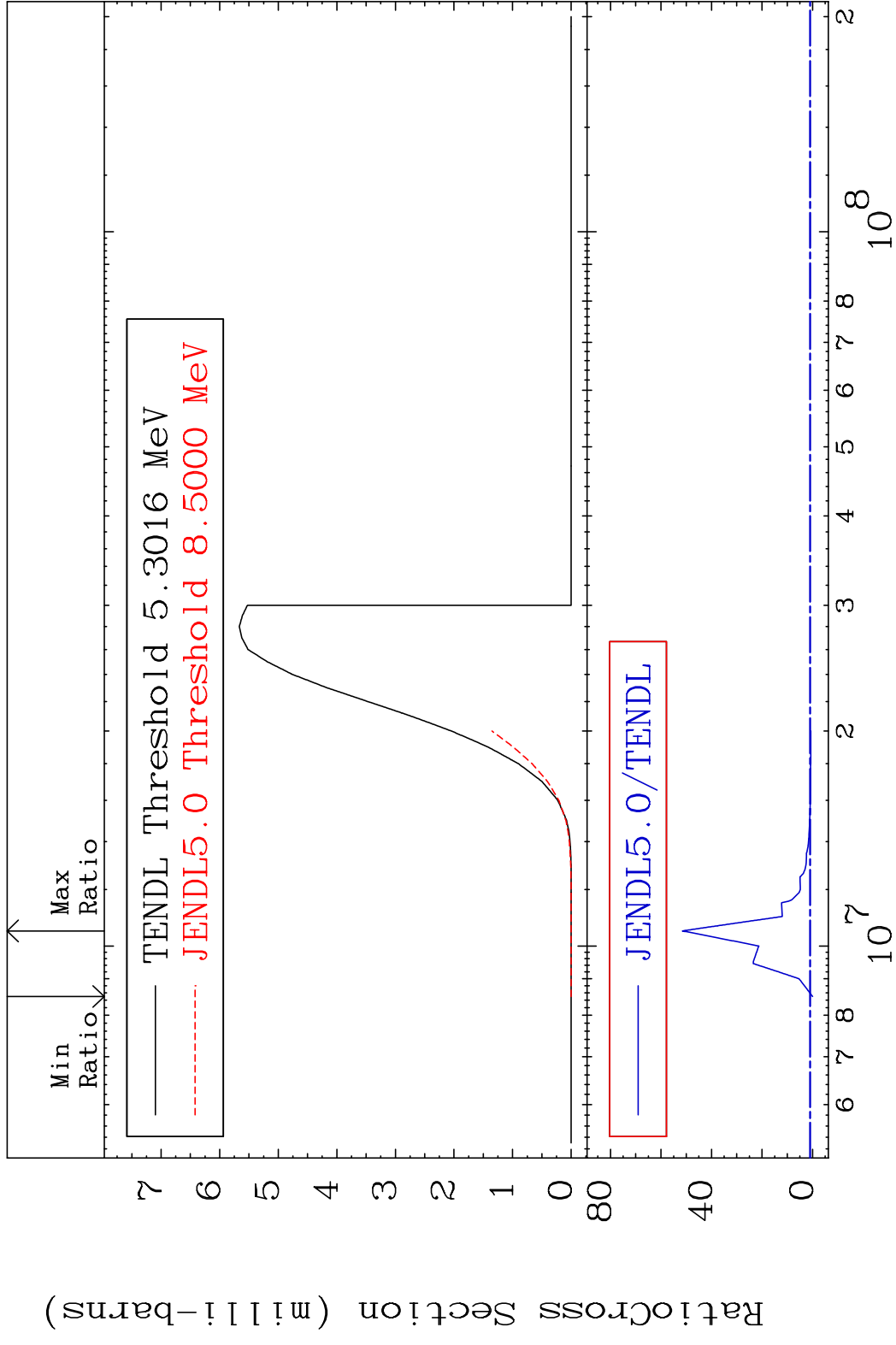
Incident Energy (eV)

68-Er-167

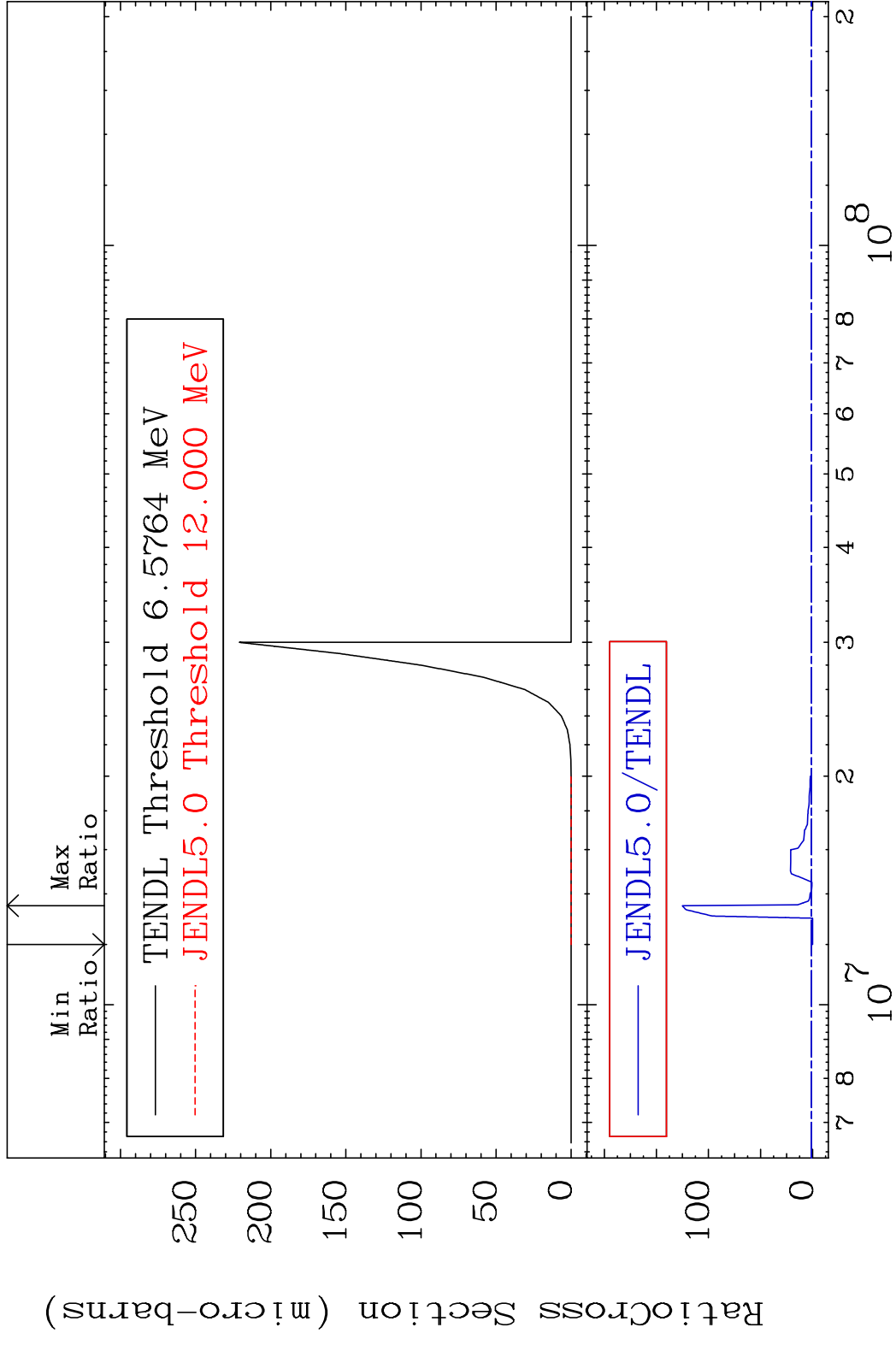
MAT 6840 (n,d) 68-Er-167  
 Cross Section -100.0 To 9999. %



MAT 6840 (n, t) 68-Er-167  
 Cross Section -100.0 To 5054. %



MAT 6840 (n, He-3) 68-Er-167  
 Cross Section -100.0 To 9999. %

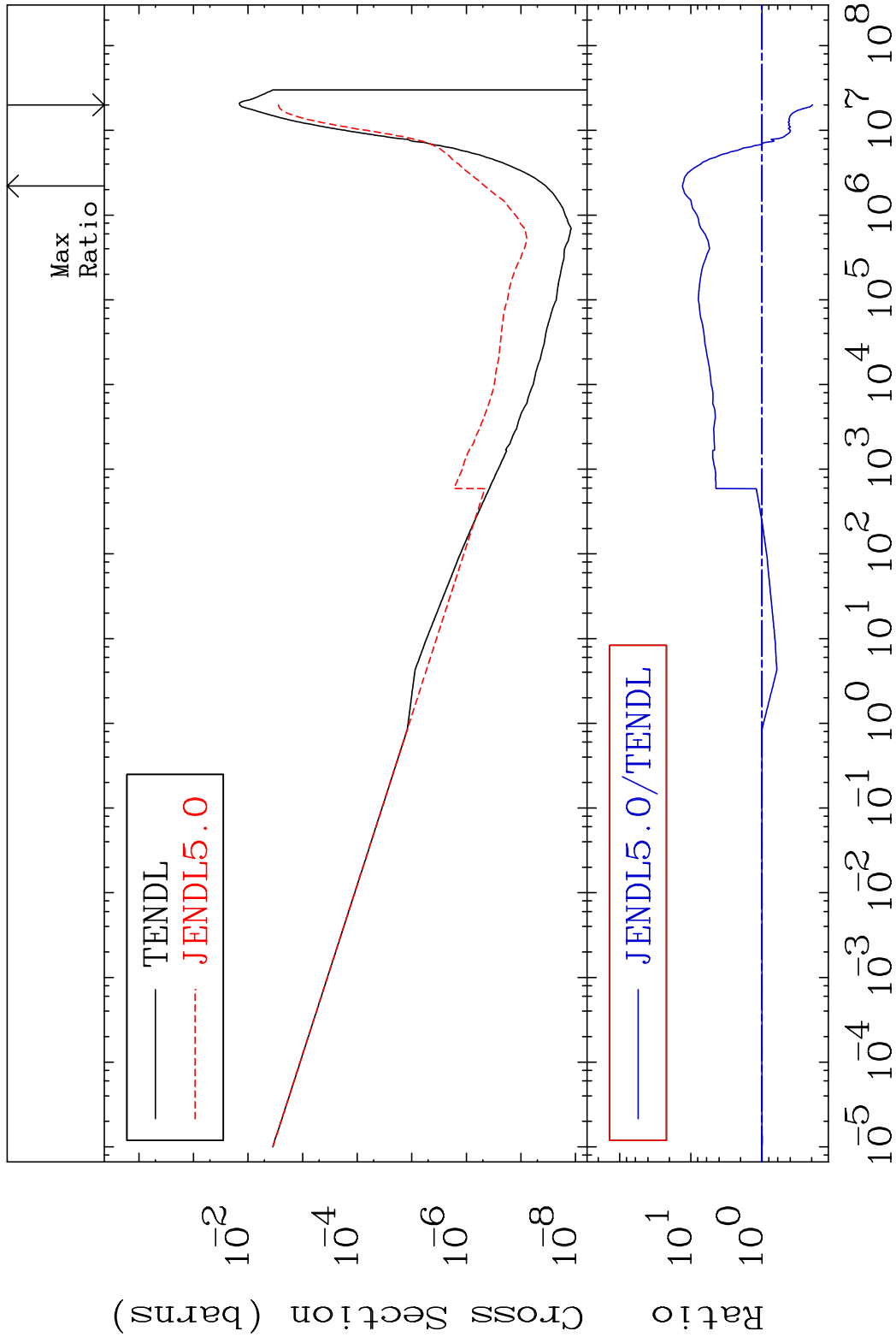


MAT 6840

(n,  $\alpha$ )

68-Er-167

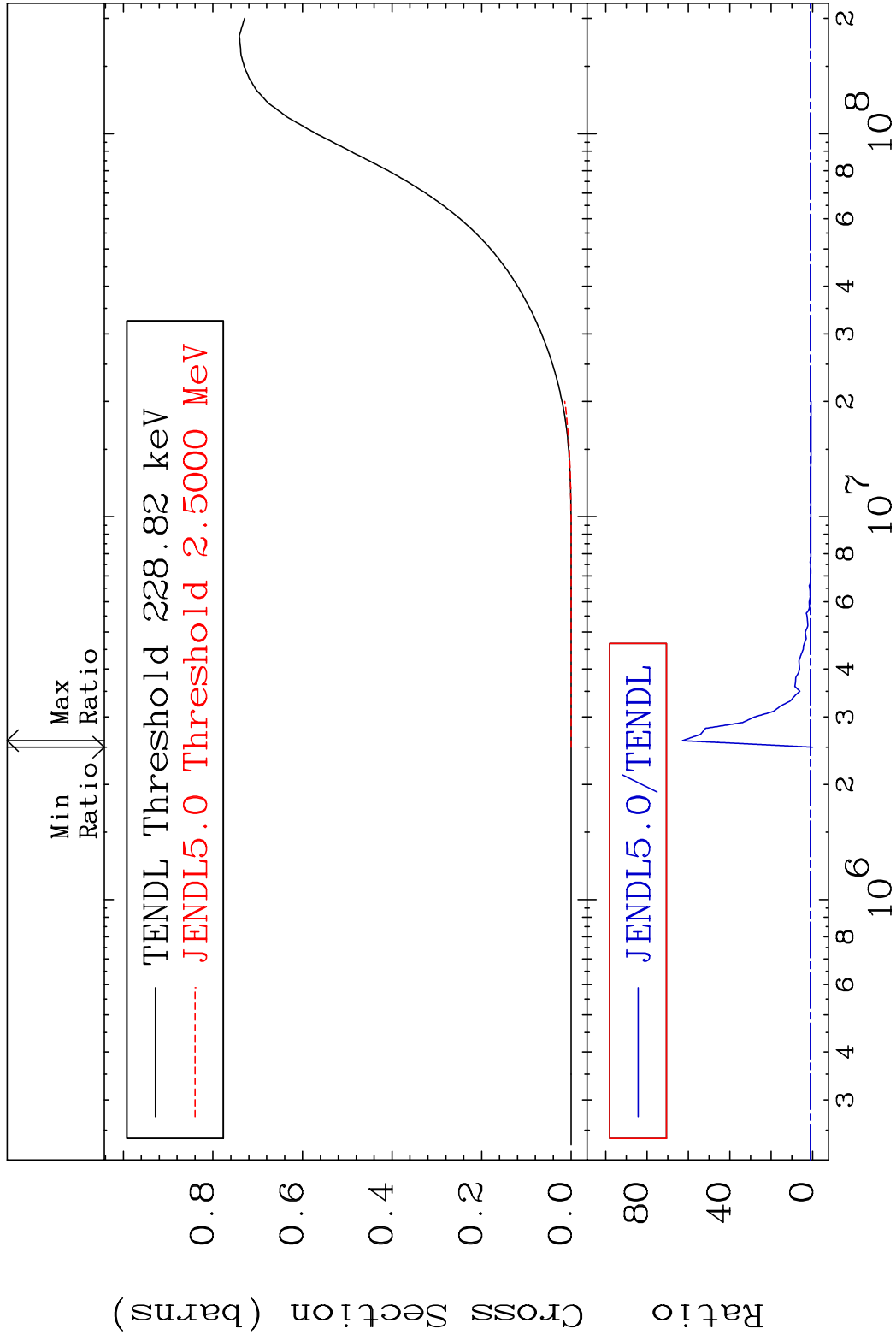
Cross Section -80.52 To 1214. %



45

Incident Energy (eV)

68-Er-167

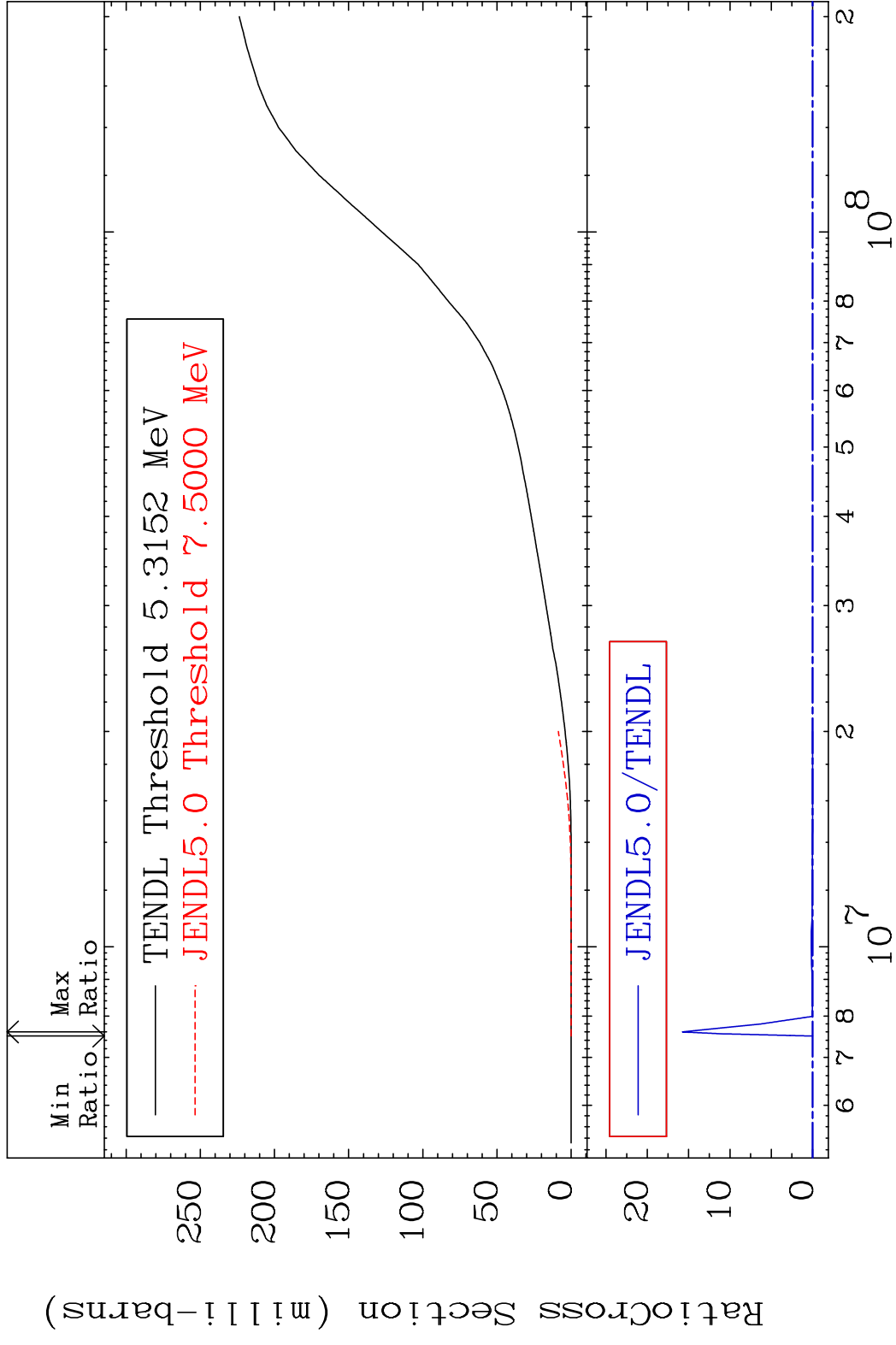


MAT 6840

Deuterium Production

68-Er-167

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

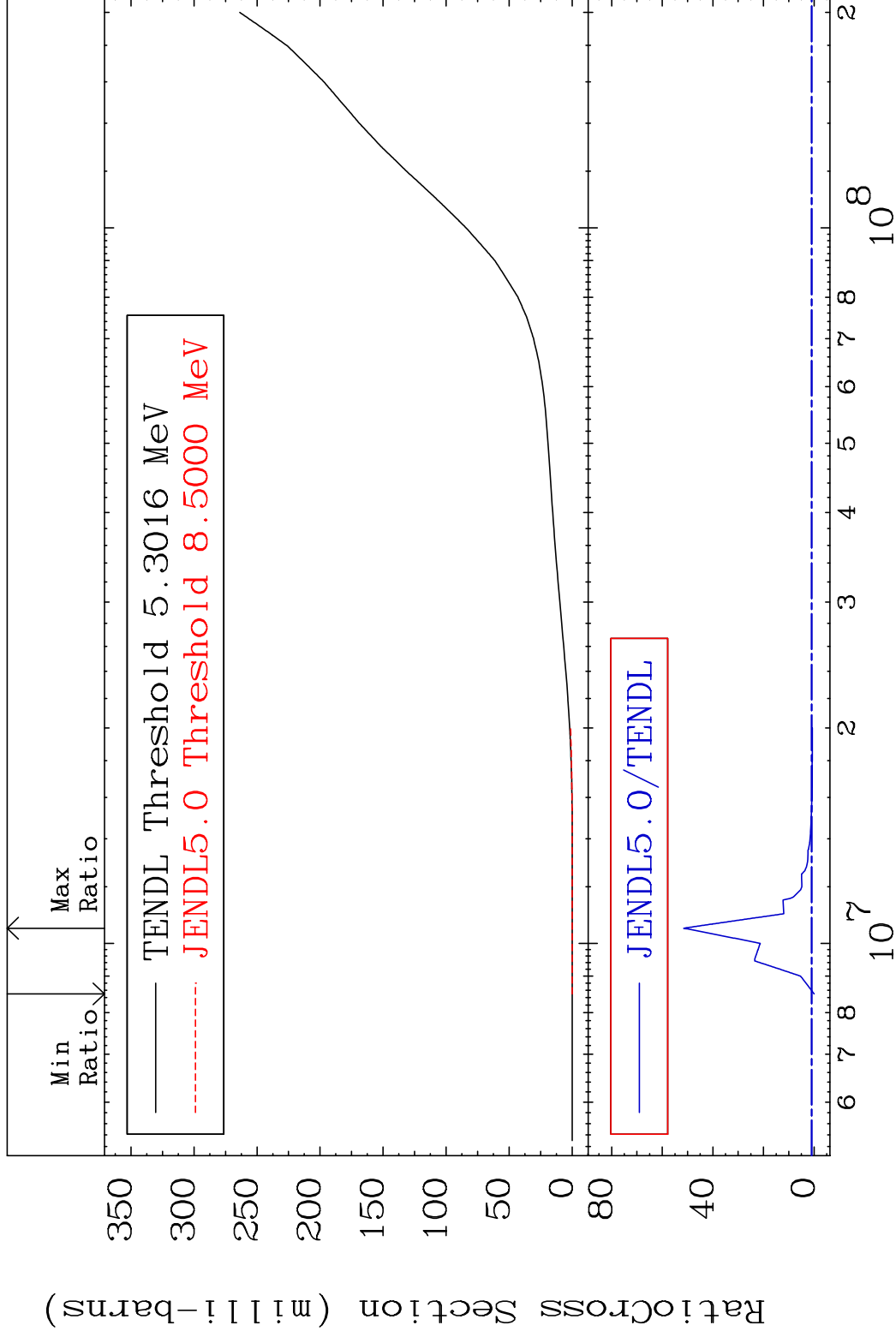
68-Er-167



MAT 6840

Tritium Production 68-Er-167

Cross Section -100.0 To 5054. %



48

Incident Energy (eV)

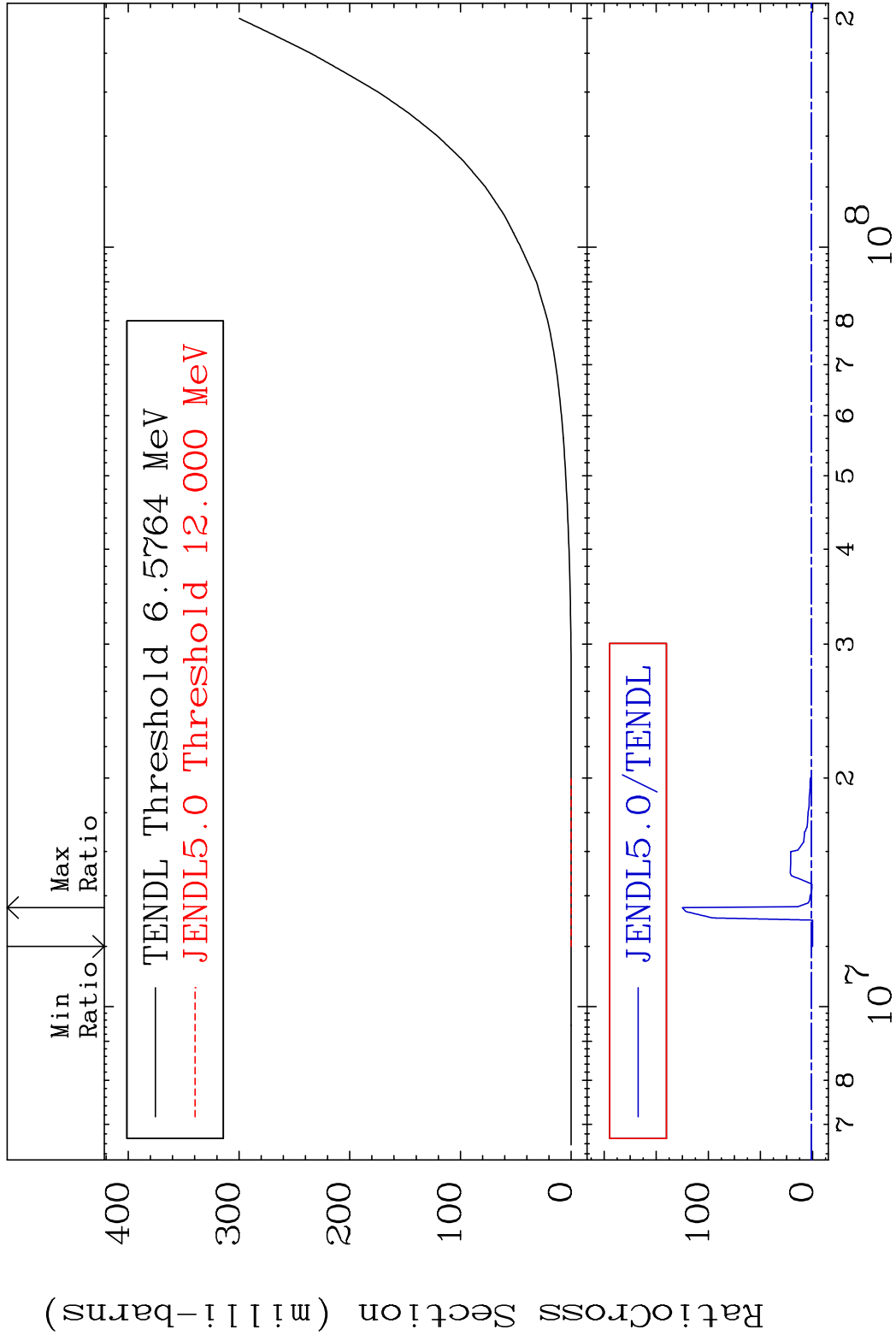
68-Er-167

MAT 6840

He-3 Production

68-Er-167

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

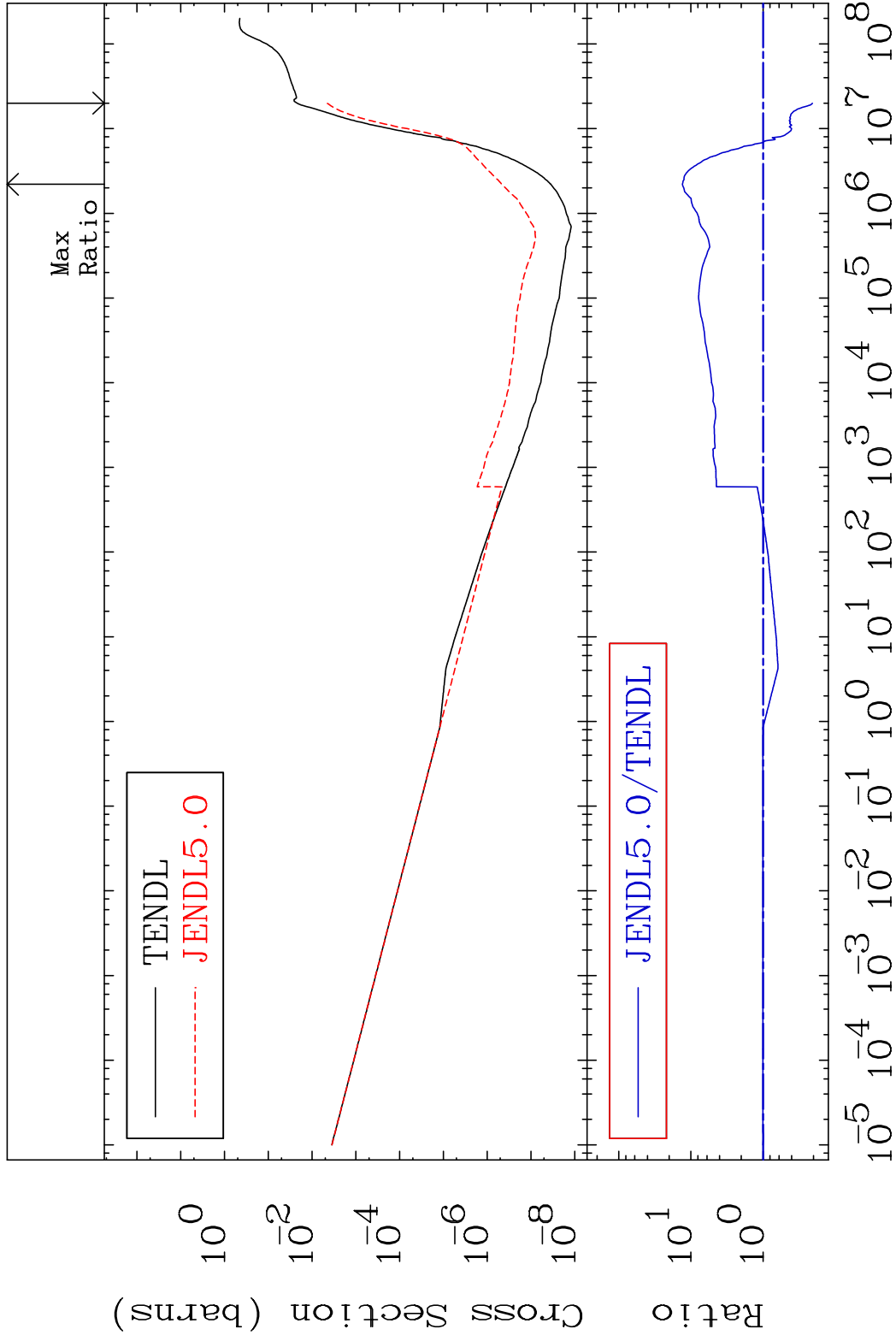
68-Er-167

MAT 6840

He-4 Production

68-Er-167

Cross Section -79.44 To 1214. %

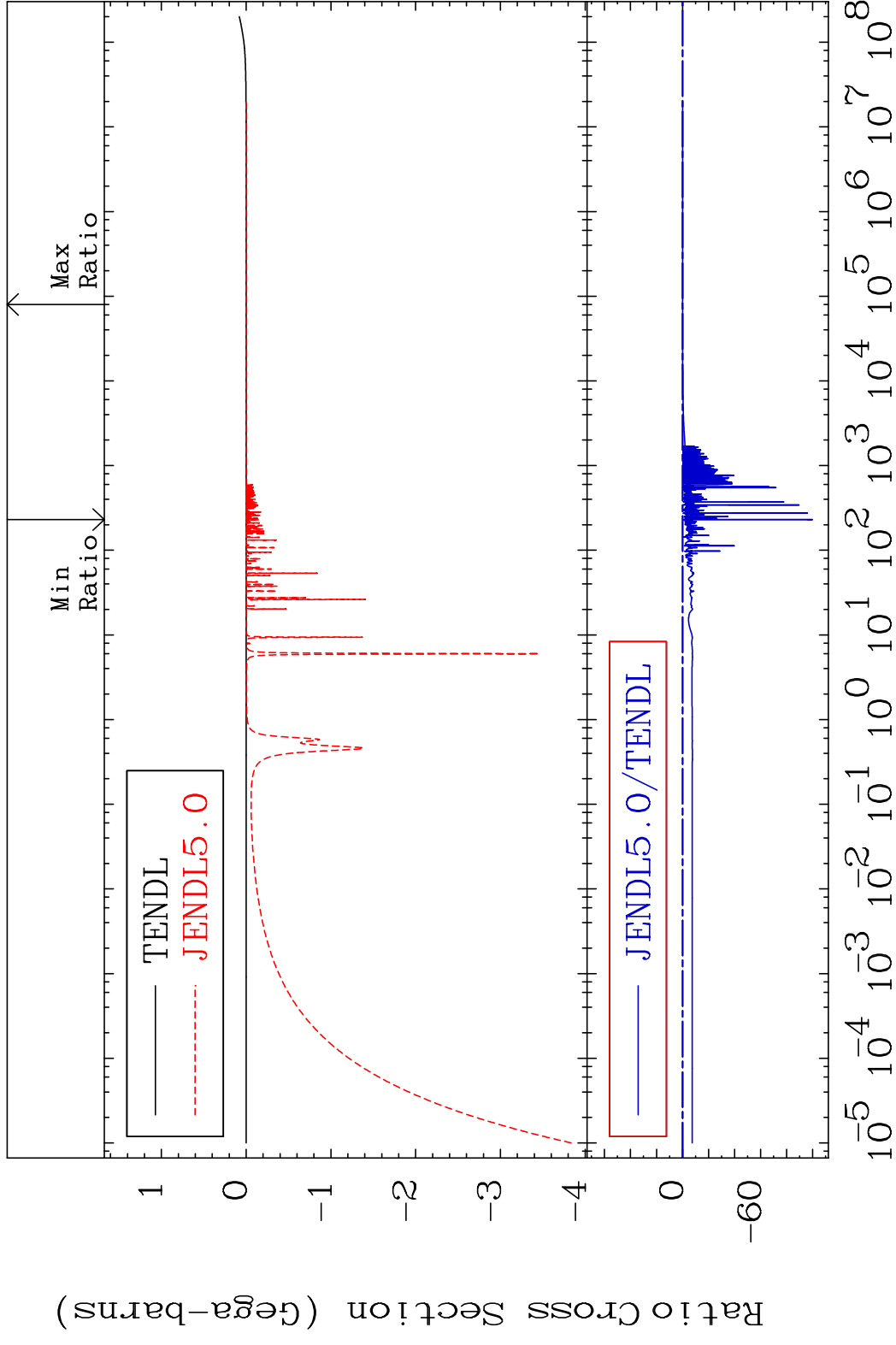


50

Incident Energy (eV)

68-Er-167

MAT 6840 Kerma total (eV-barns) 68-Er-167  
 Cross Section -9999. To 9999. %

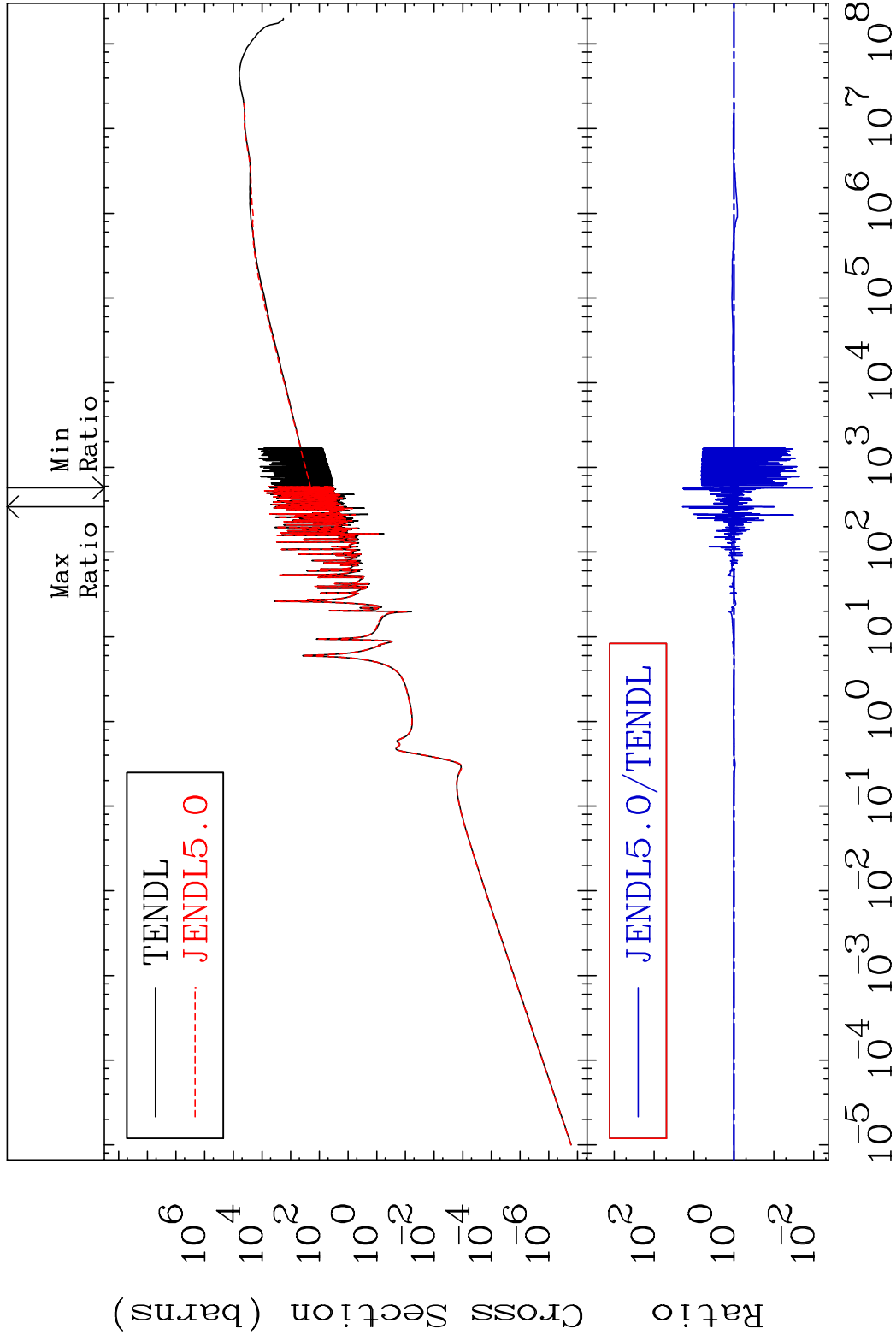


MAT 6840

Kerma elastic

68-Er-167

Cross Section -98.92 To 1859. %

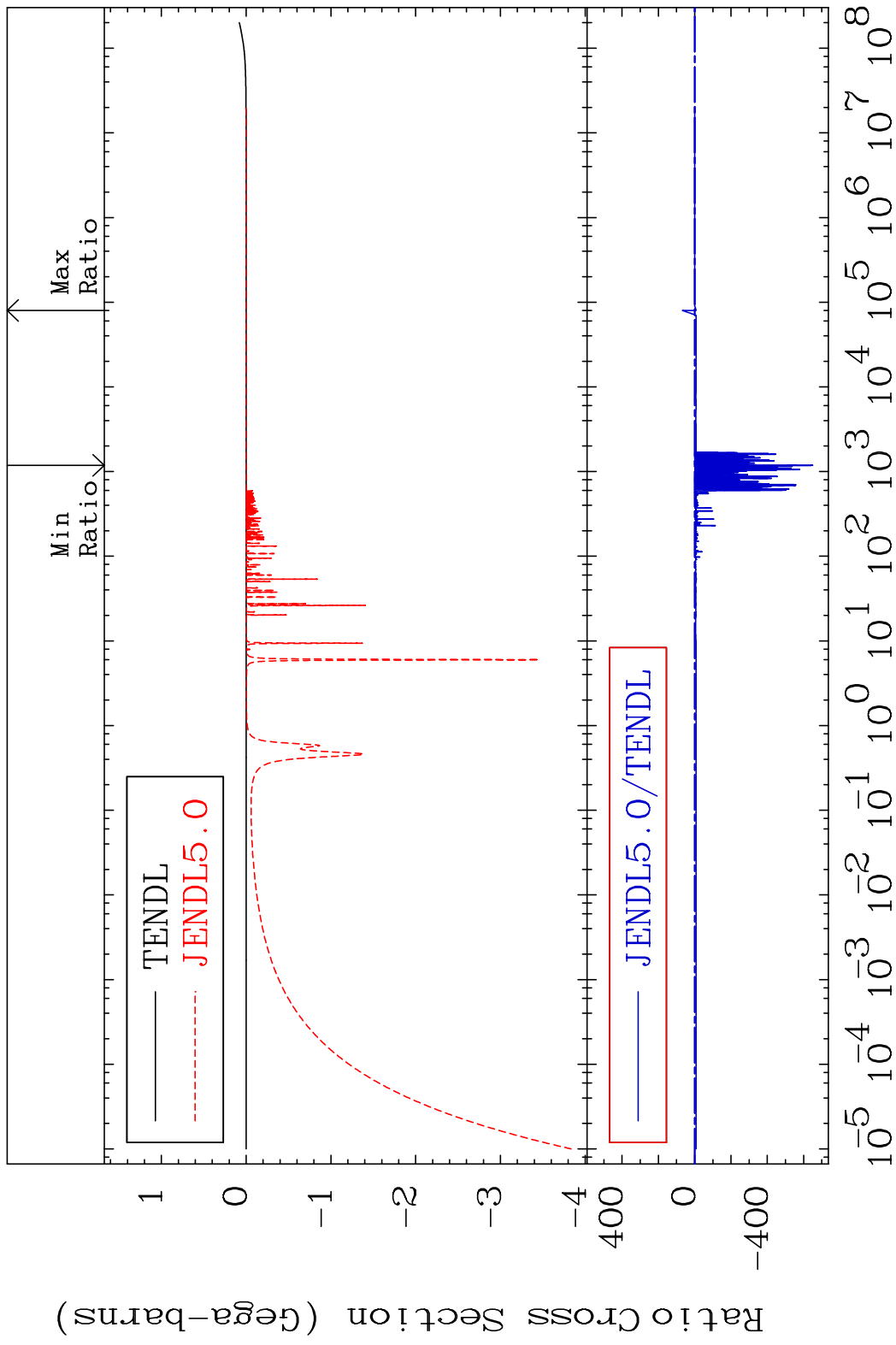


52

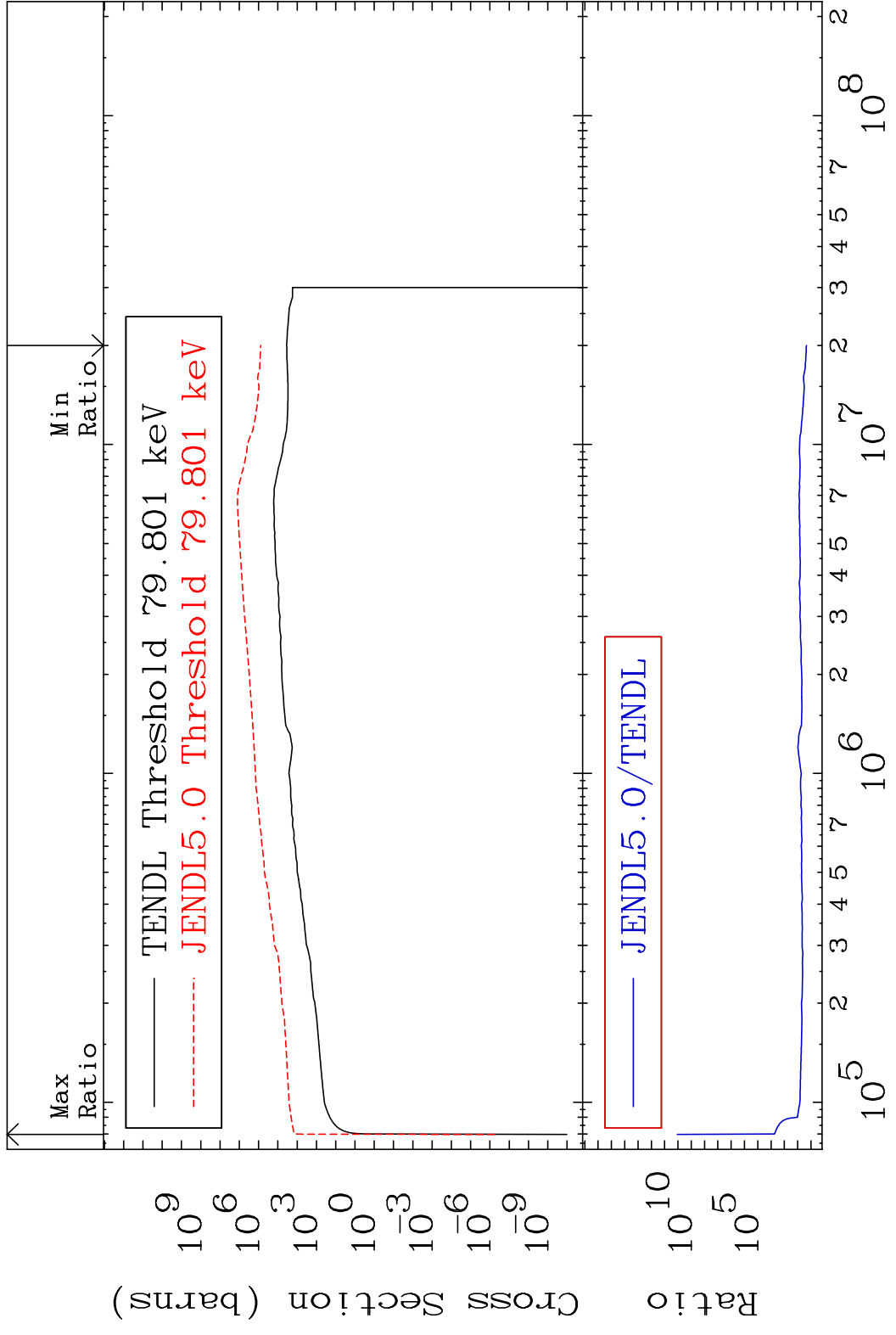
Incident Energy (eV)

68-Er-167

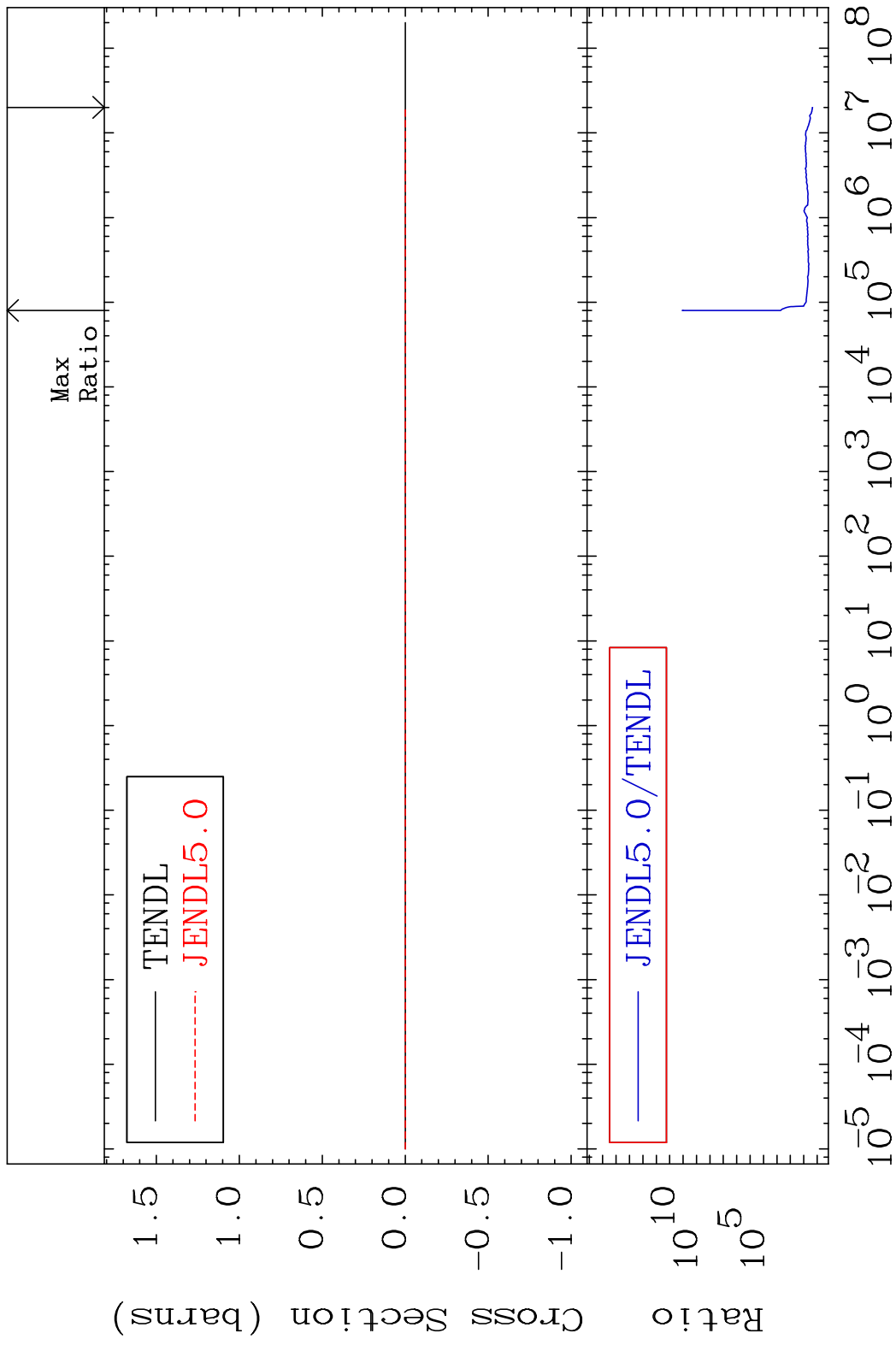
MAT 6840 Kerma non-elastic (all but mt2) 68-Er-167  
 Cross Section -9999. To 9999. %



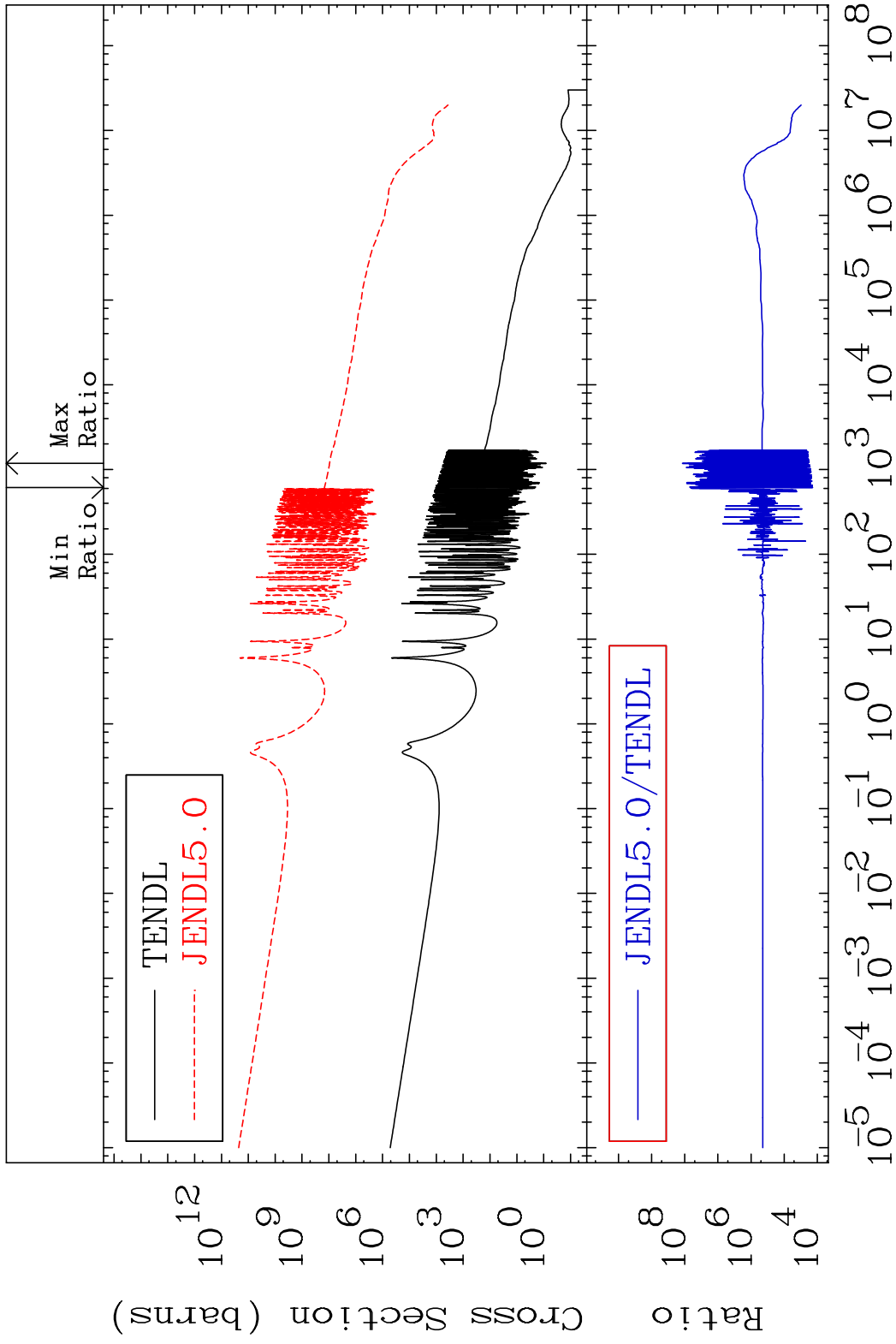
MAT 6840 Kerma inelastic (mt51-91) 68-Er-167  
 Cross Section 2109. To 9999. %



MAT 6840 Kerma fission (mt18 or mt19-20-21-38) 68-Er-167  
 Cross Section 2109. To 9999. %





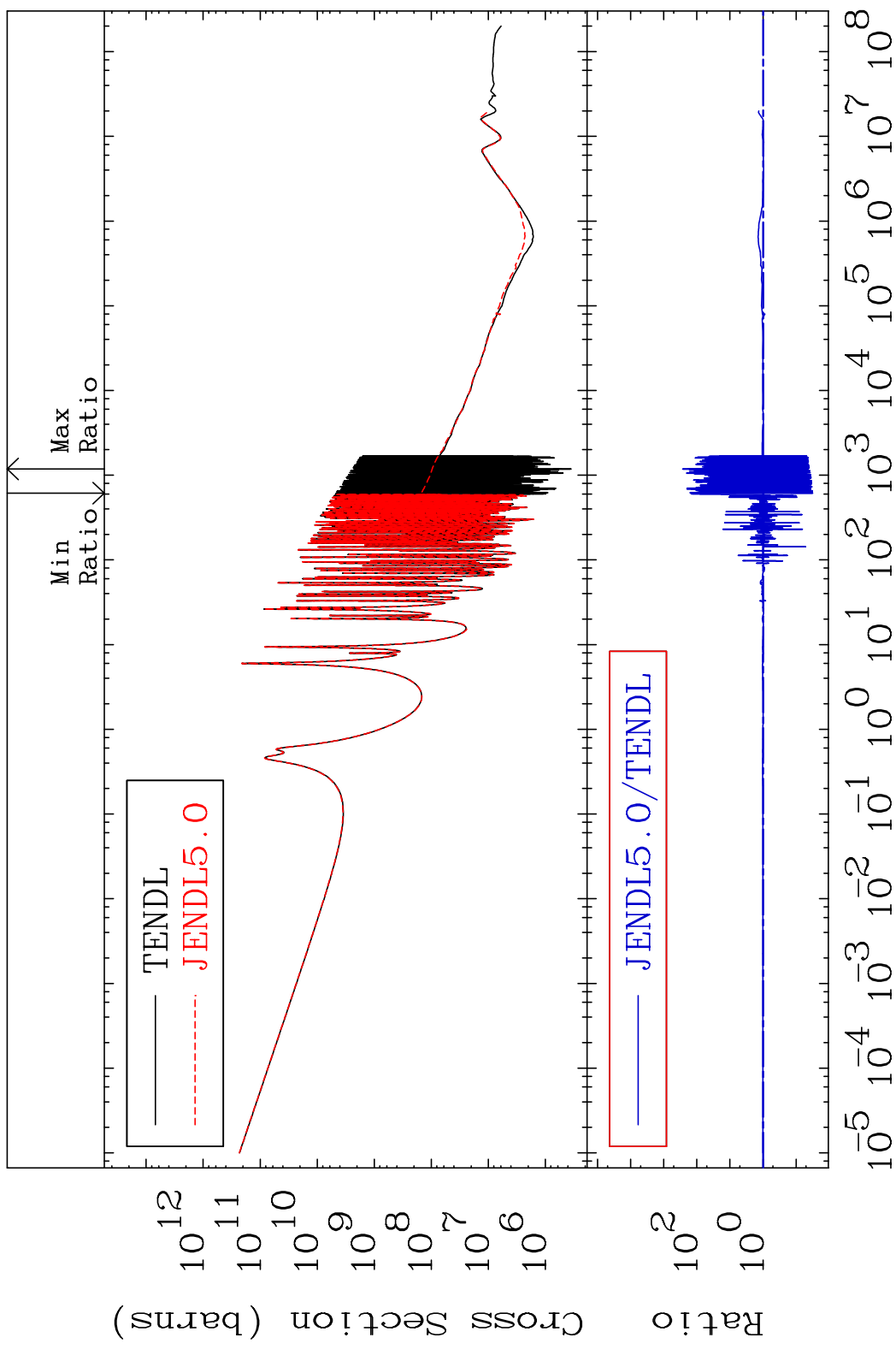


MAT 6840

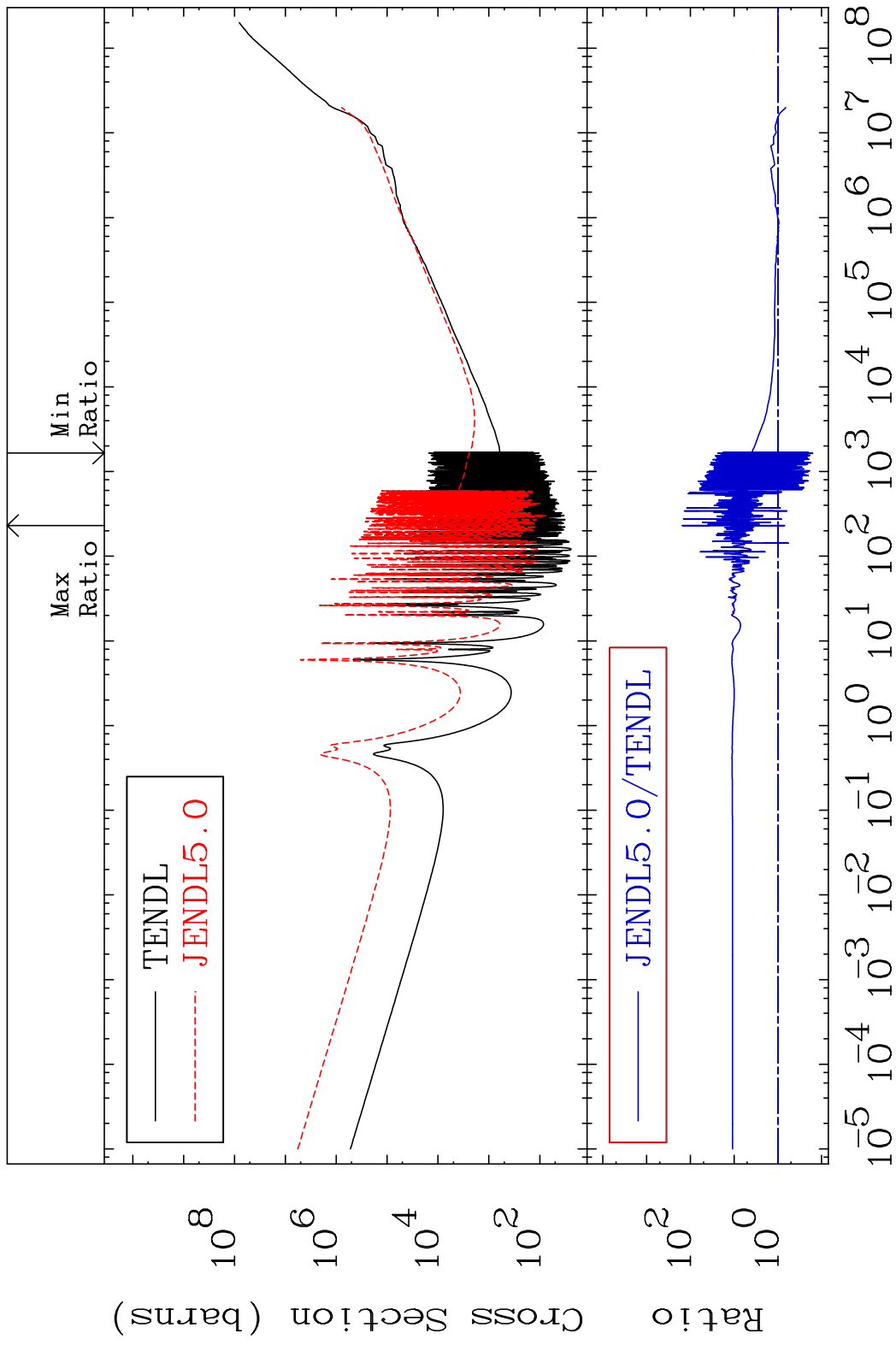
Total photon (eV-barns)

68-Er-167

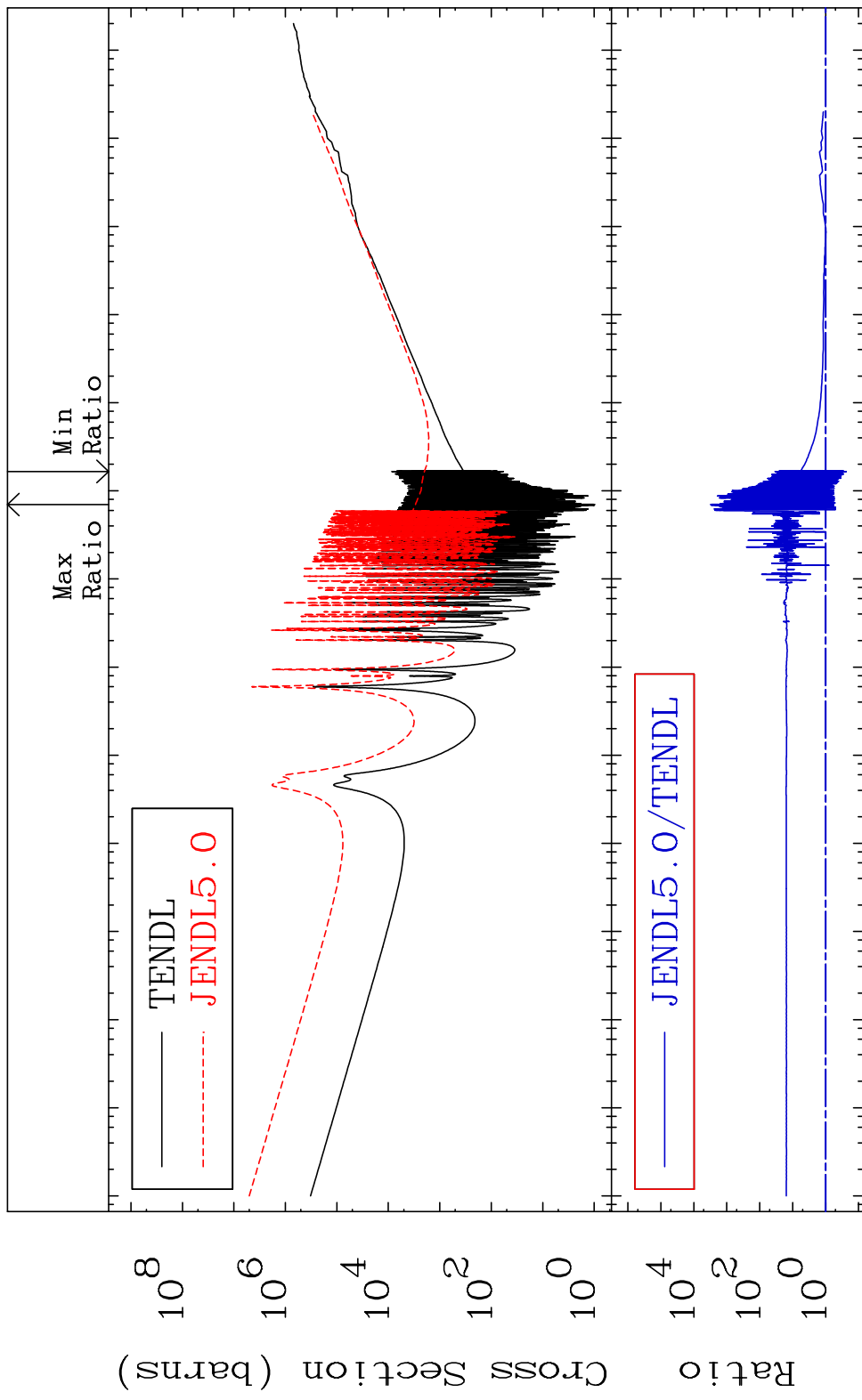
Cross Section -96.81 To 9999. %



MAT 6840 Total kinematic kerma (high limit) 68-Er-167  
 Cross Section -83.91 To 9999. %



MAT 6840      Dpa total (eV-barns)      68-Er-167  
 Cross Section      -76.44 To 9999. %



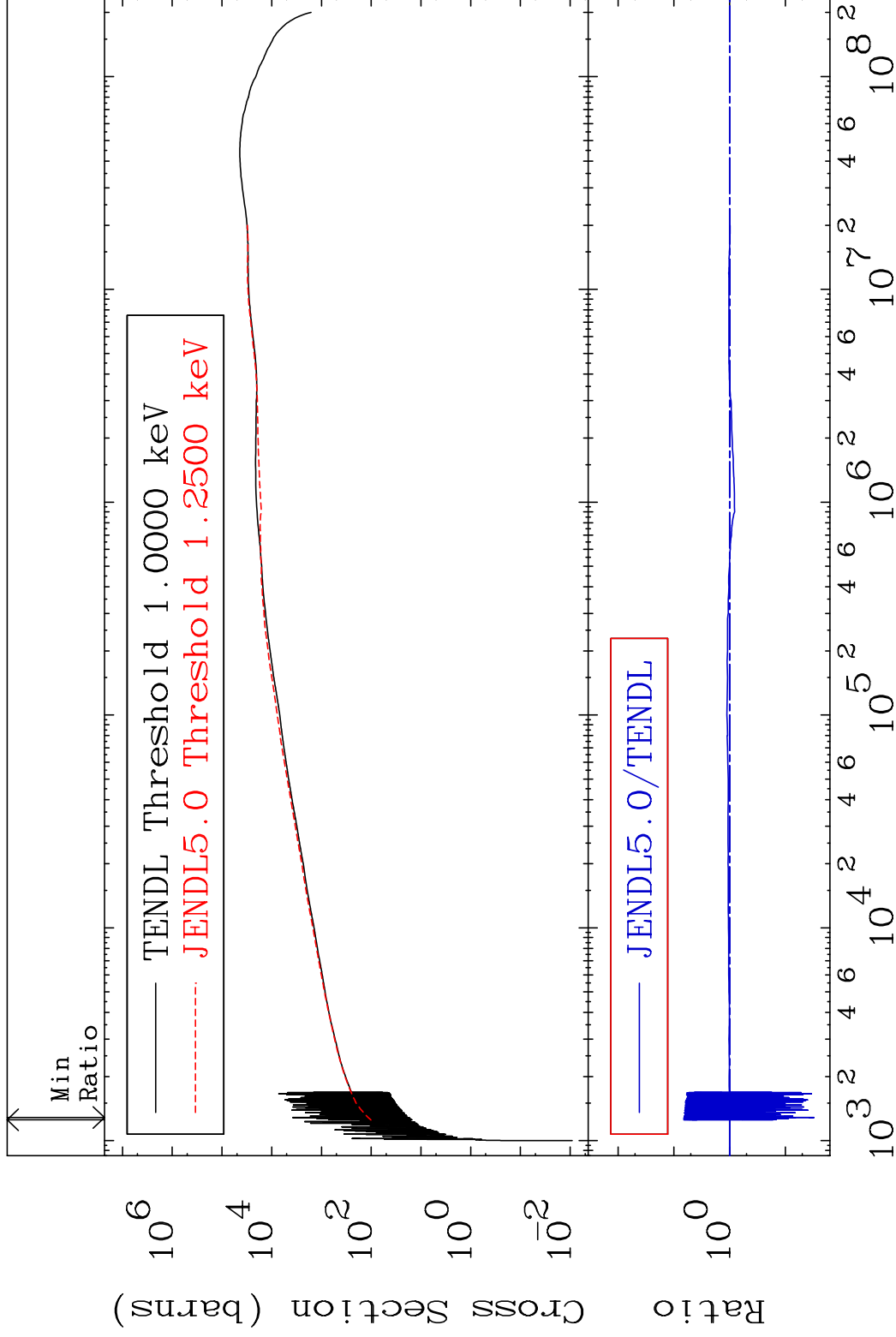
59      Incident Energy (eV)      68-Er-167

MAT 6840

Dpa elastic (mt2)

68-Er-167

Cross Section -96.94 To 570.0 %

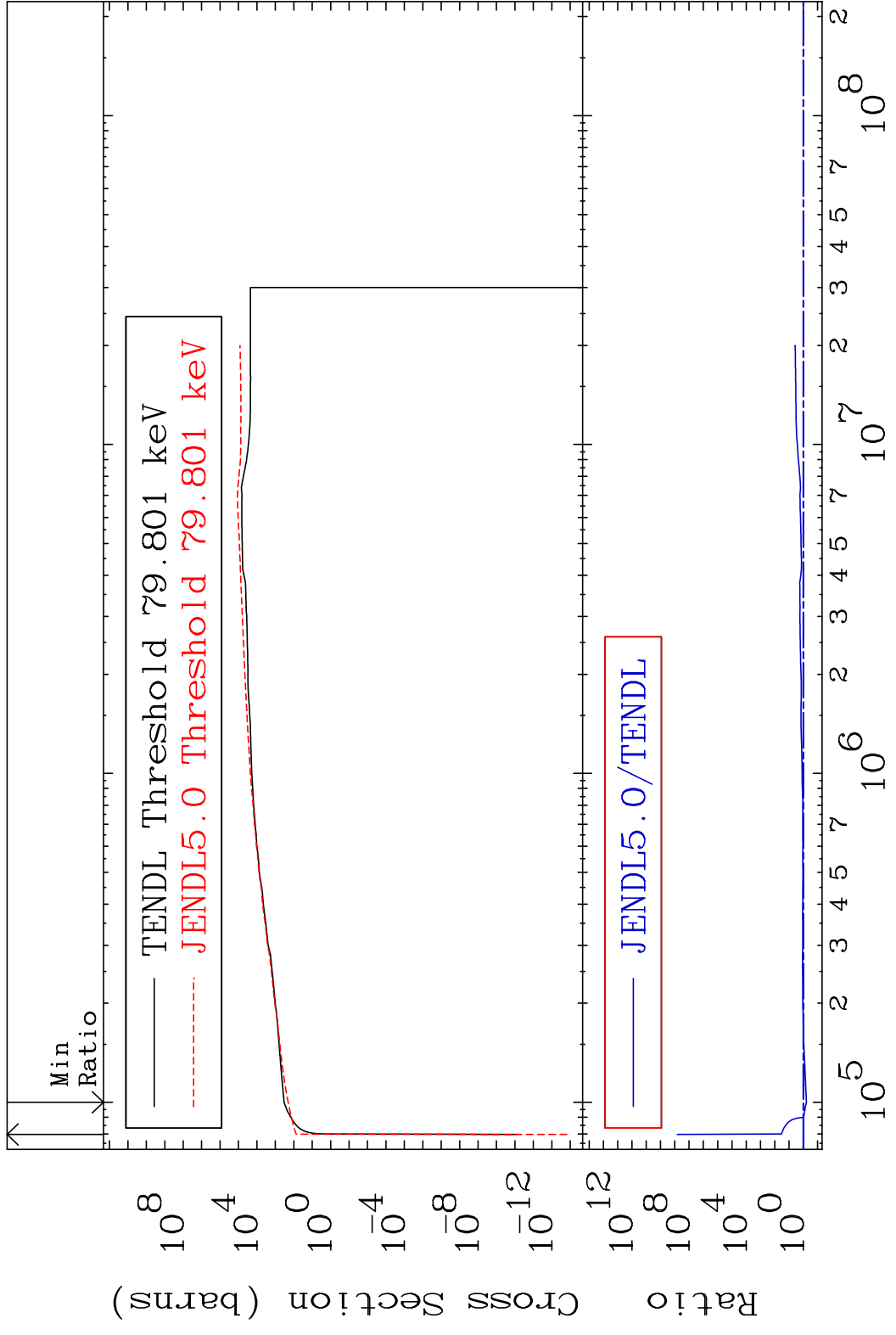


60

Incident Energy (eV)

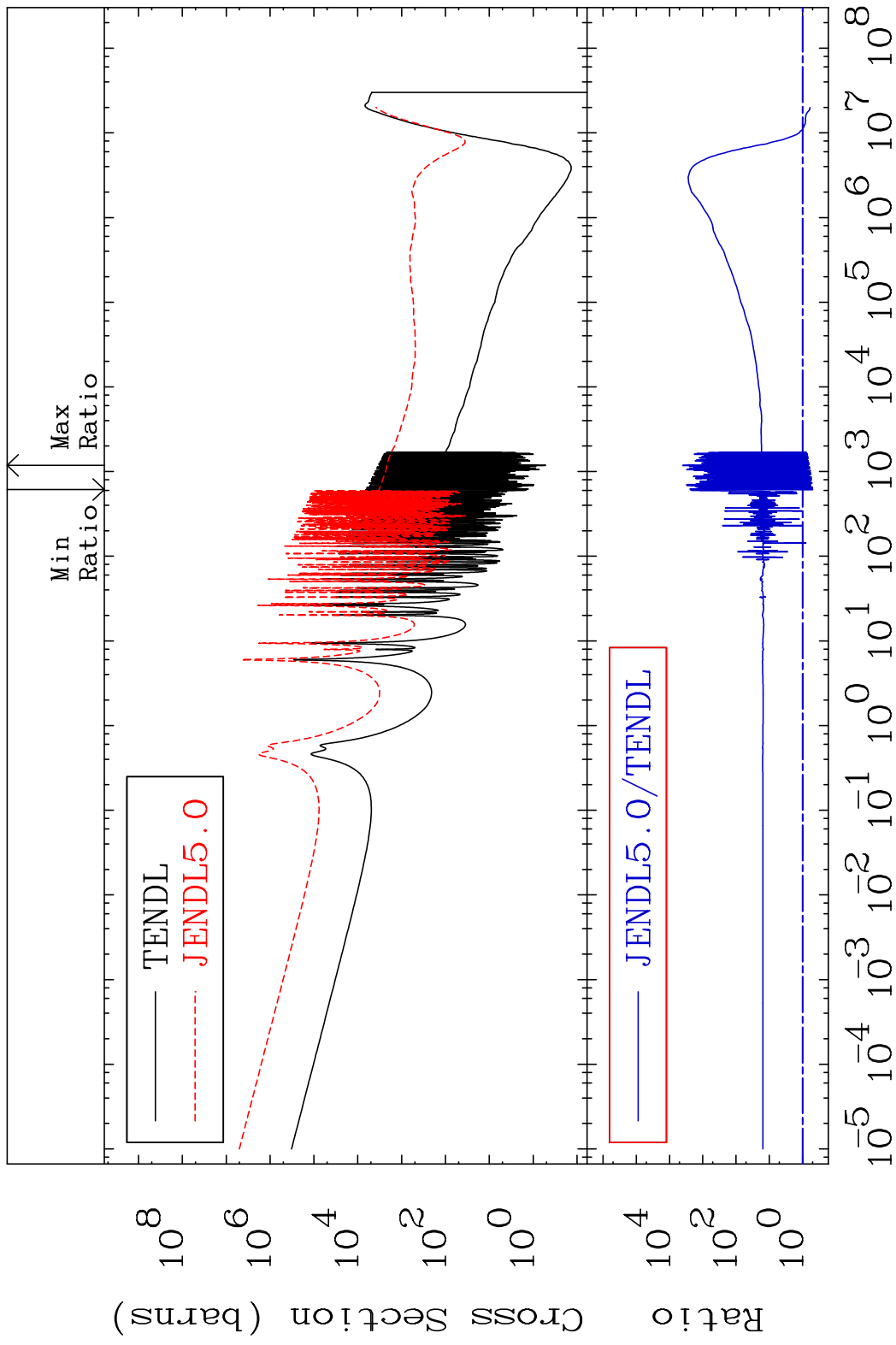
68-Er-167

MAT 6840      Dpa inelastic (mt51-91)      68-Er-167  
 Cross Section    -39.77 To 9999. %

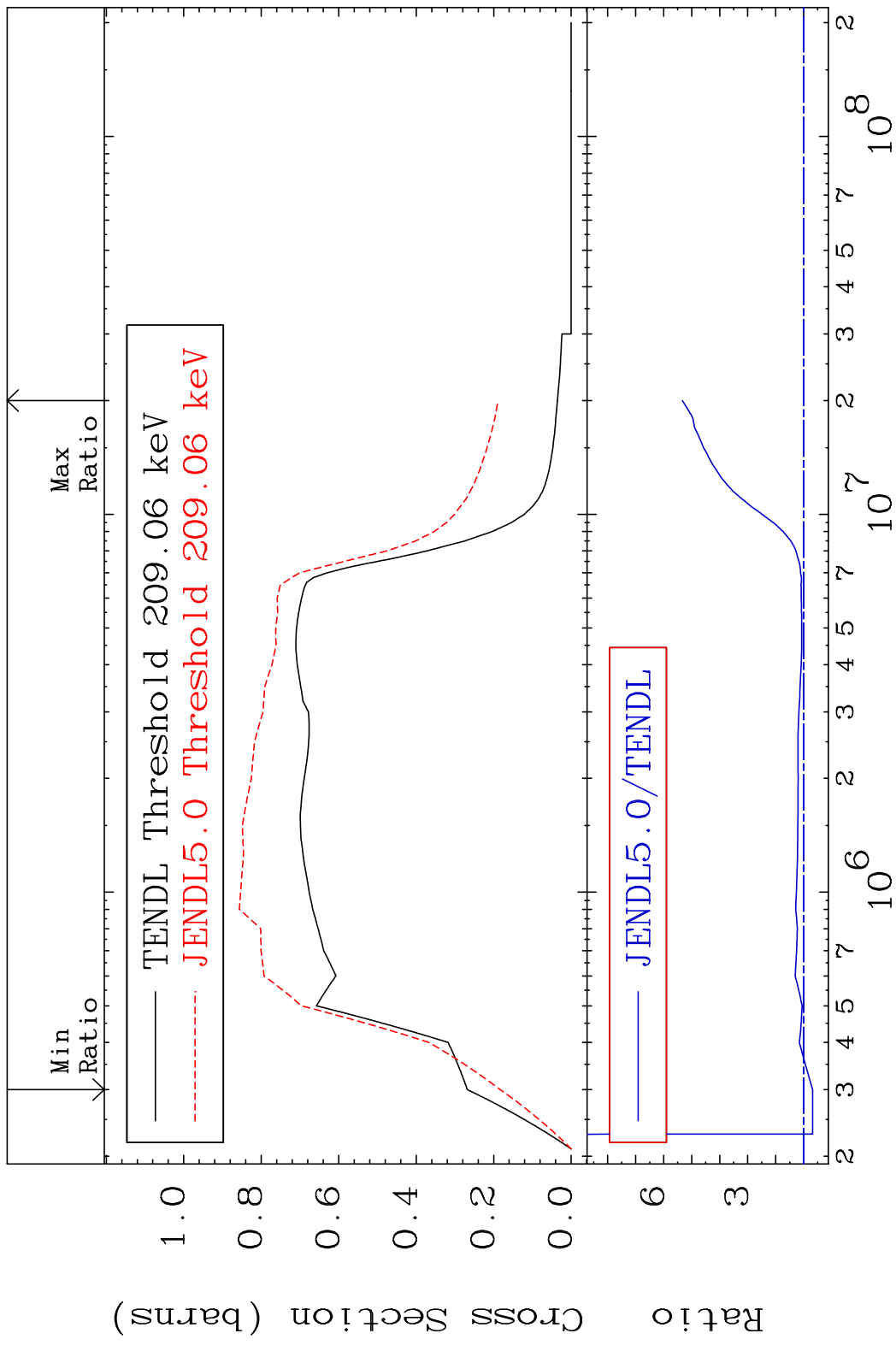


61      Incident Energy (eV)      68-Er-167

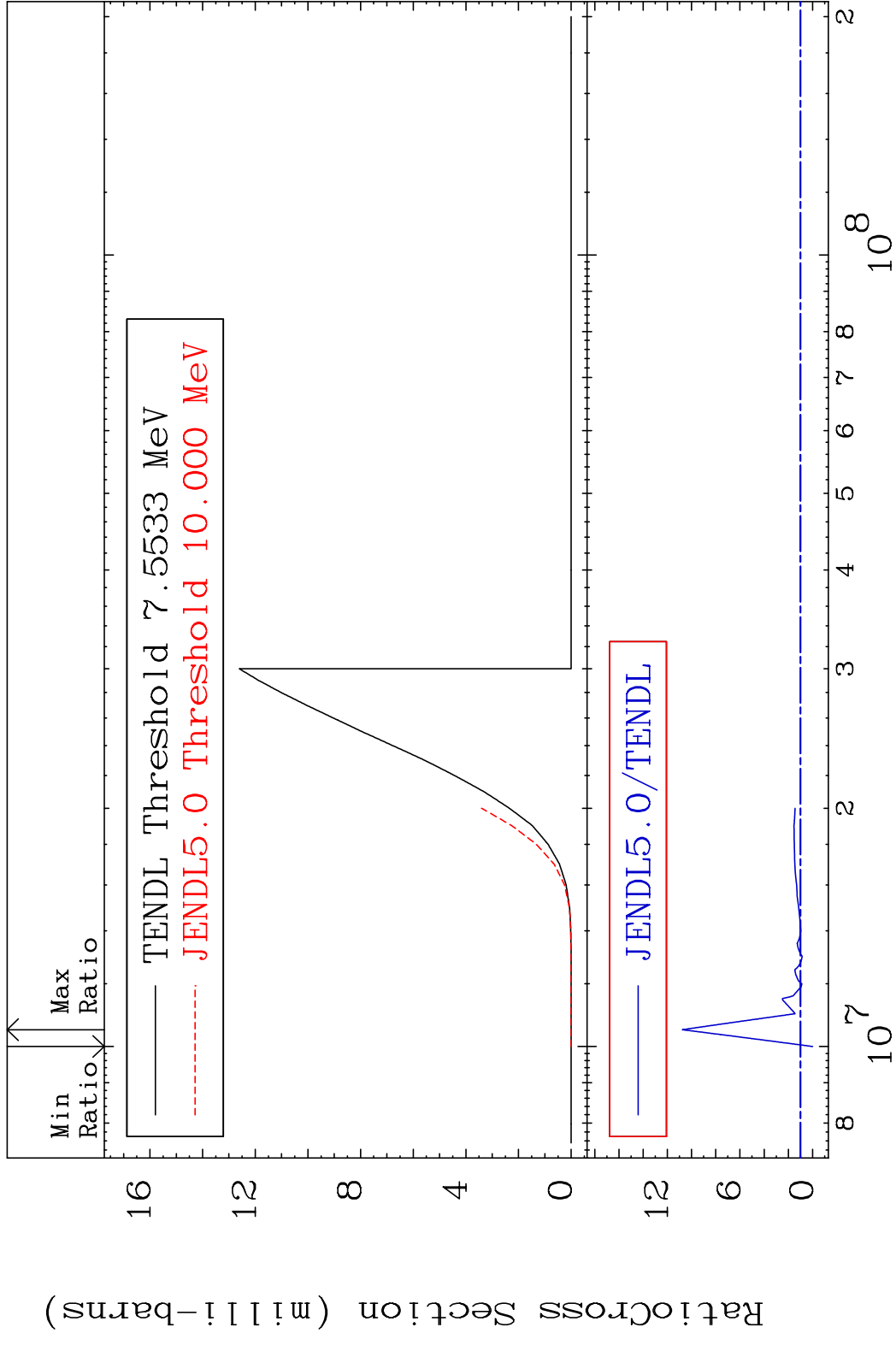
MAT 6840 Dpa disappearance (mt102 -120) 68-Er-167  
 Cross Section -49.96 To 9999. %

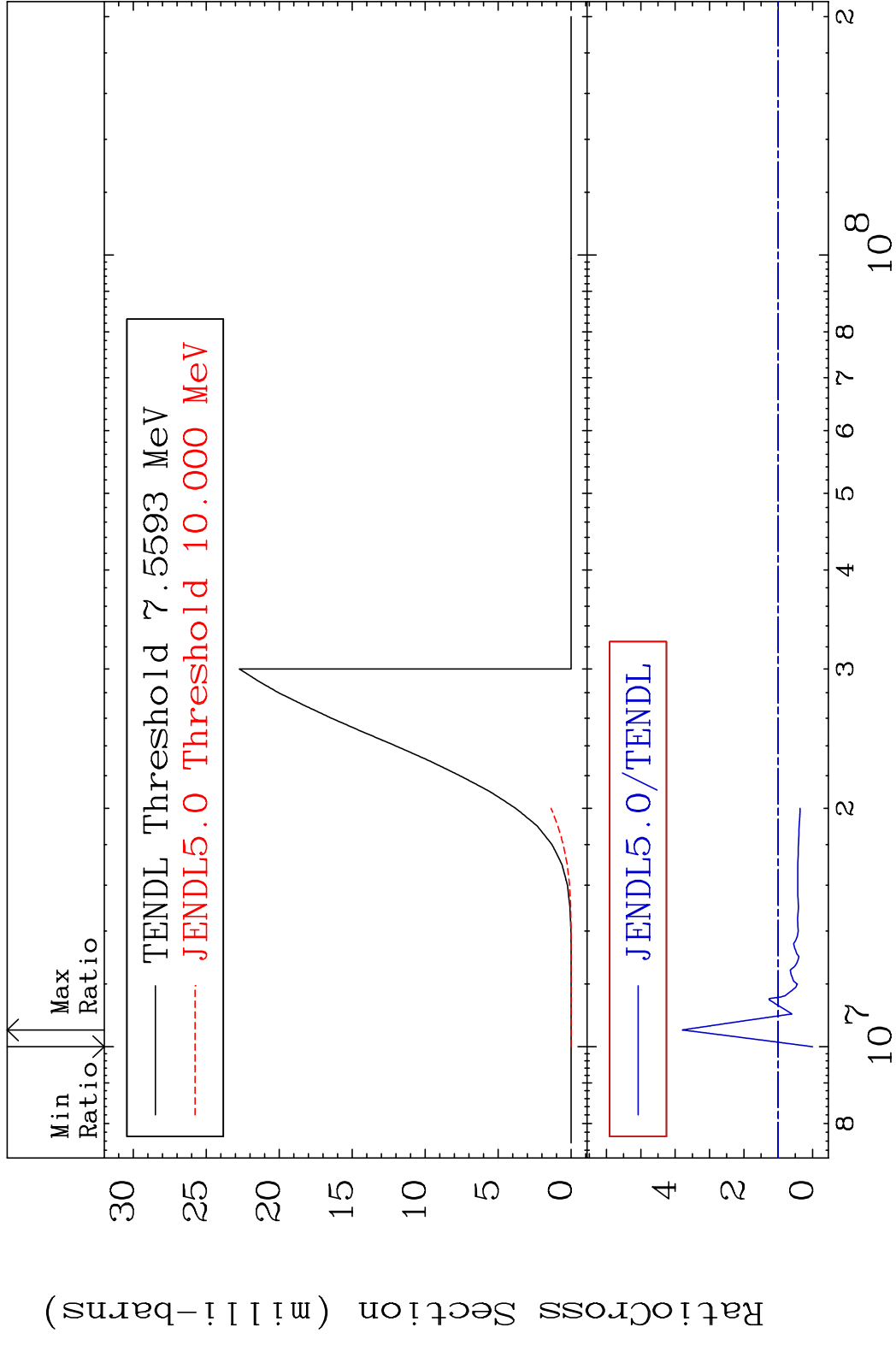


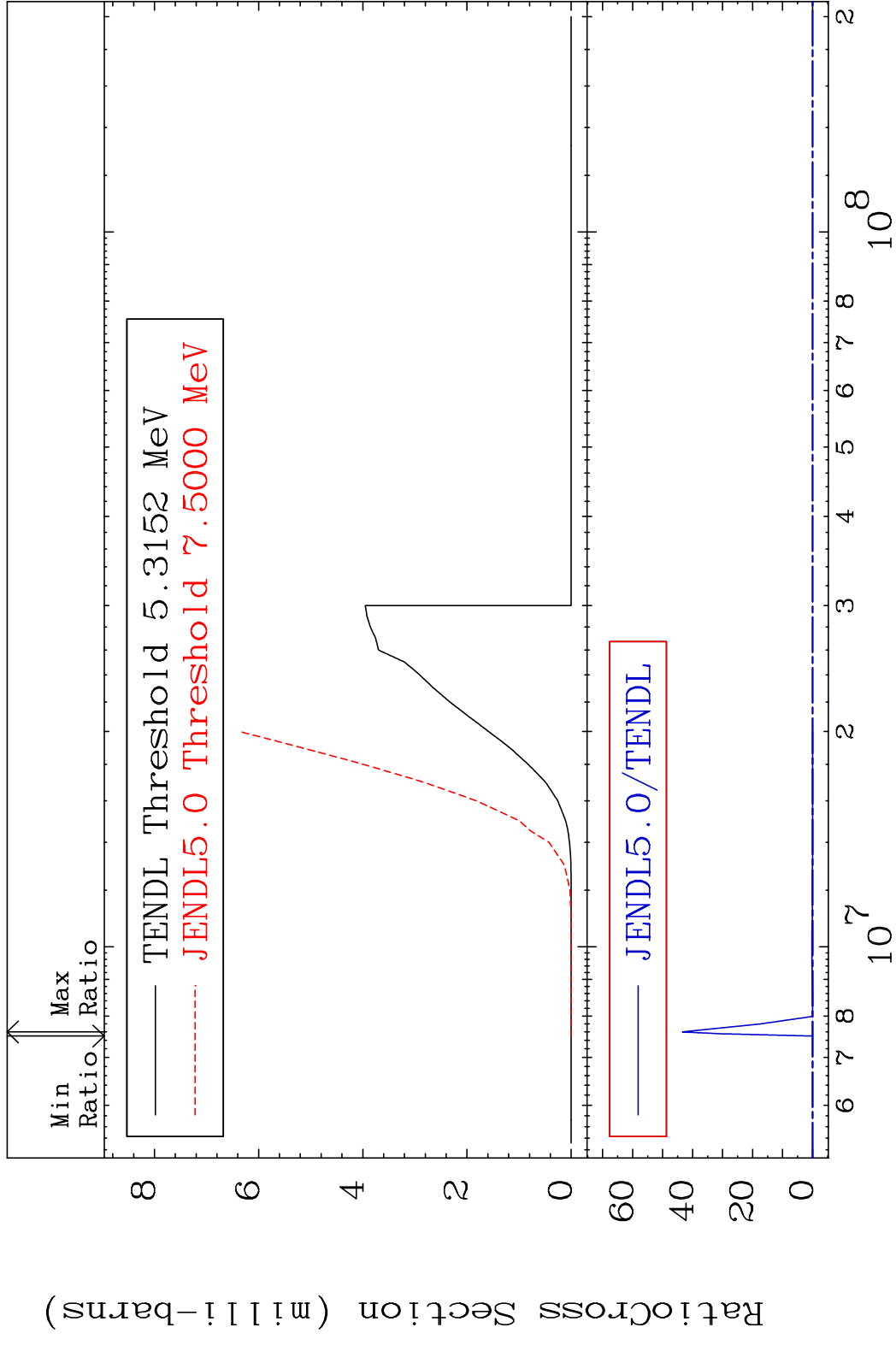
62 Incident Energy (eV) 68-Er-167

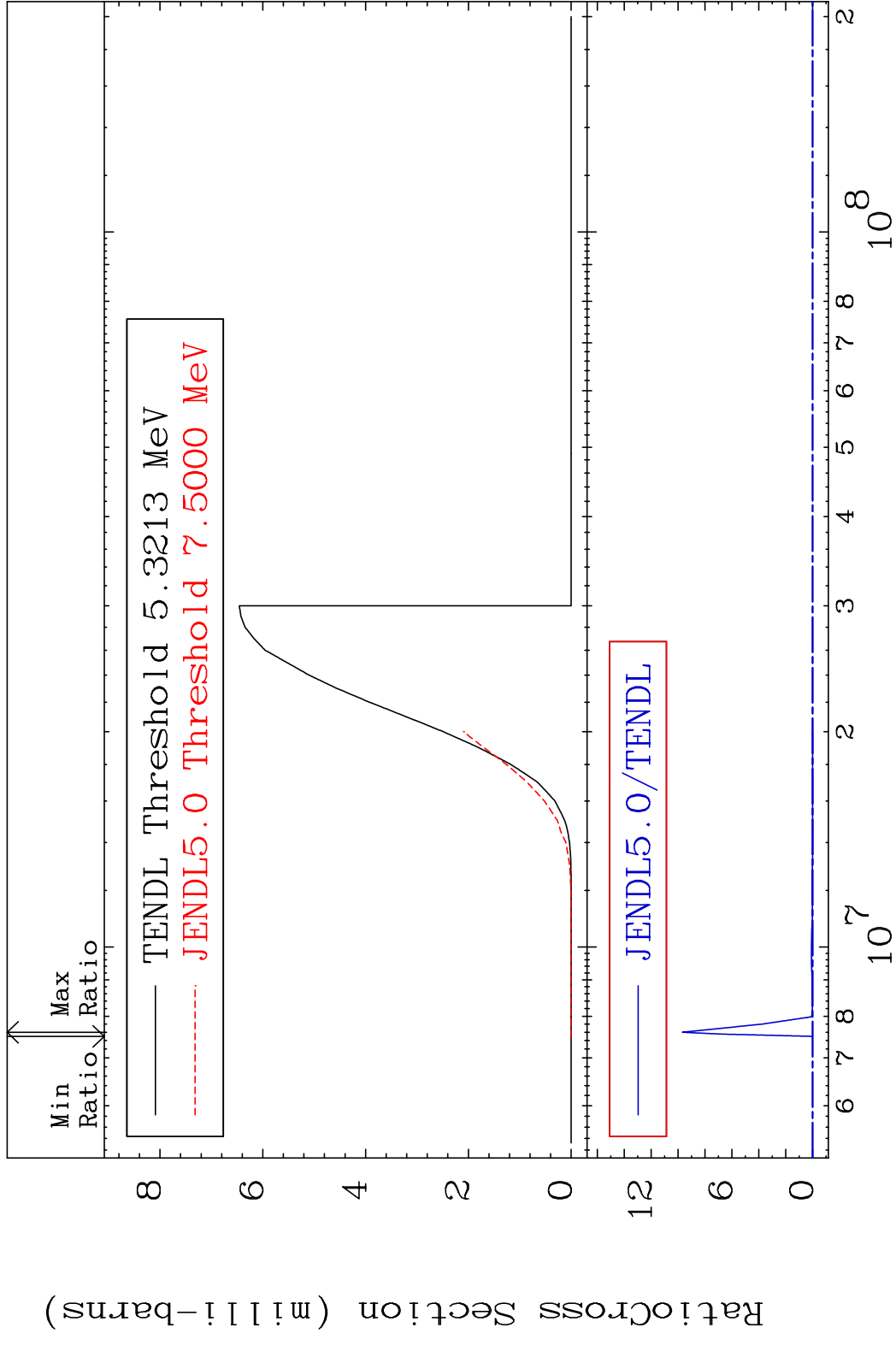


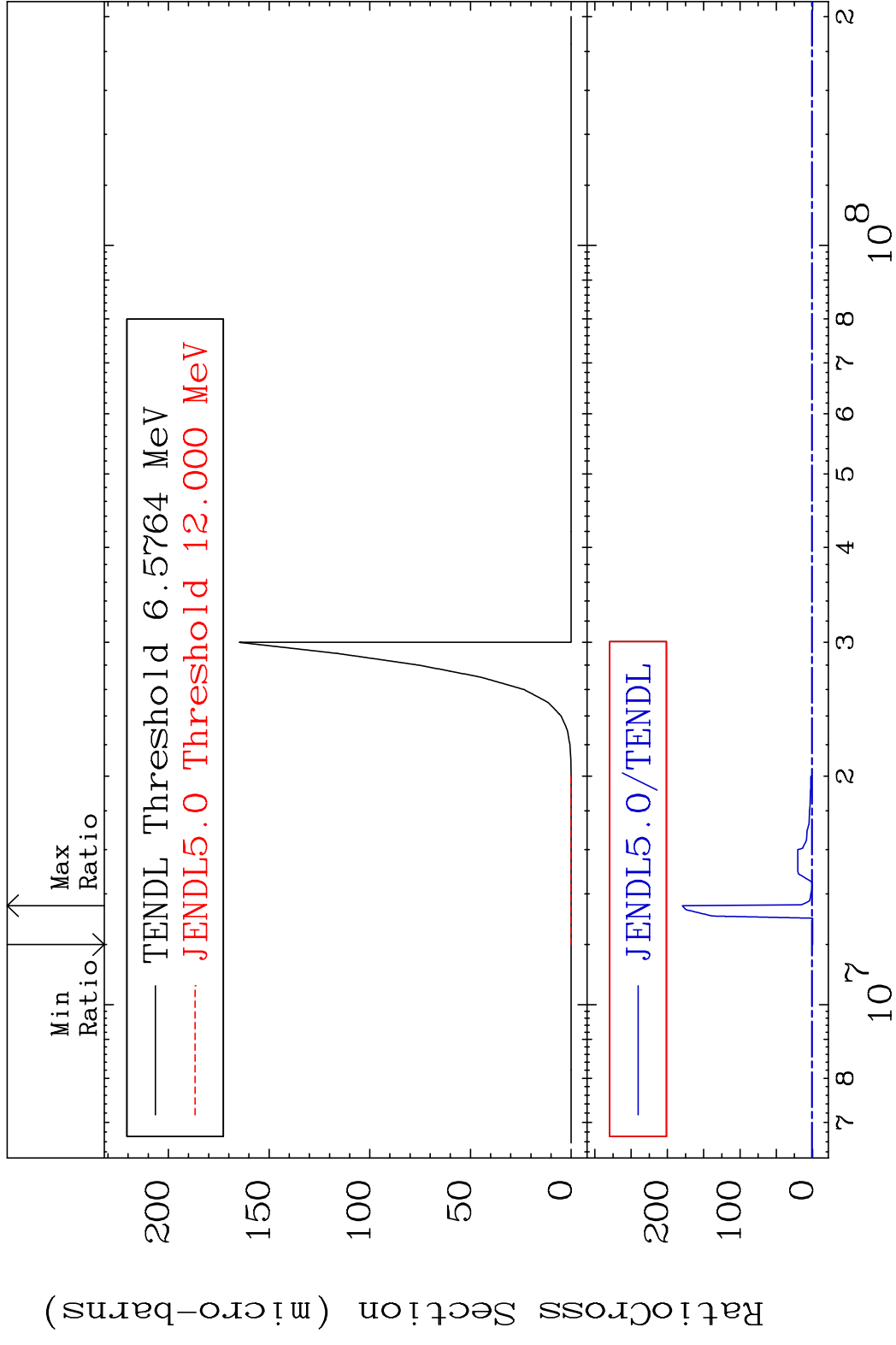


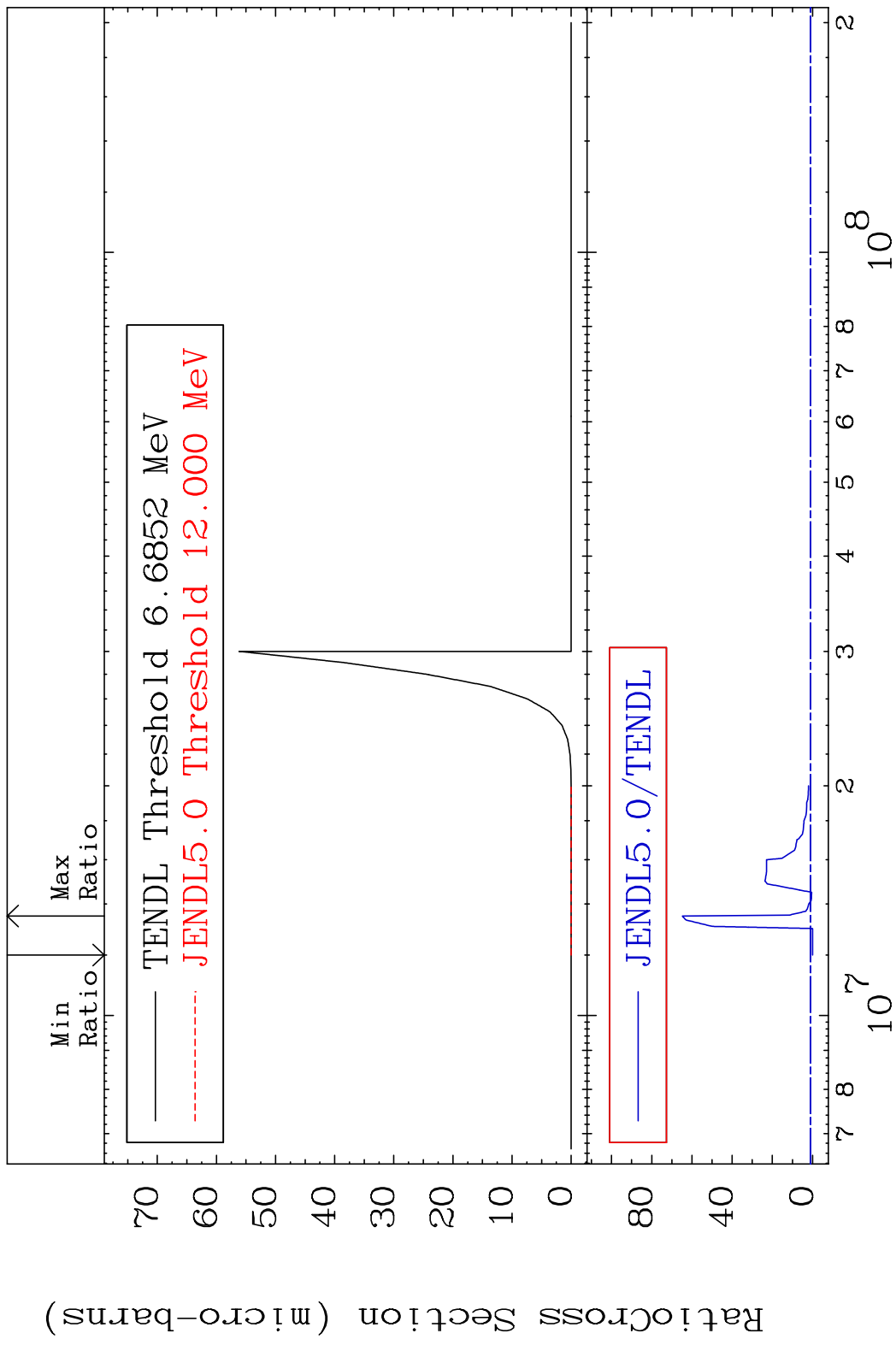




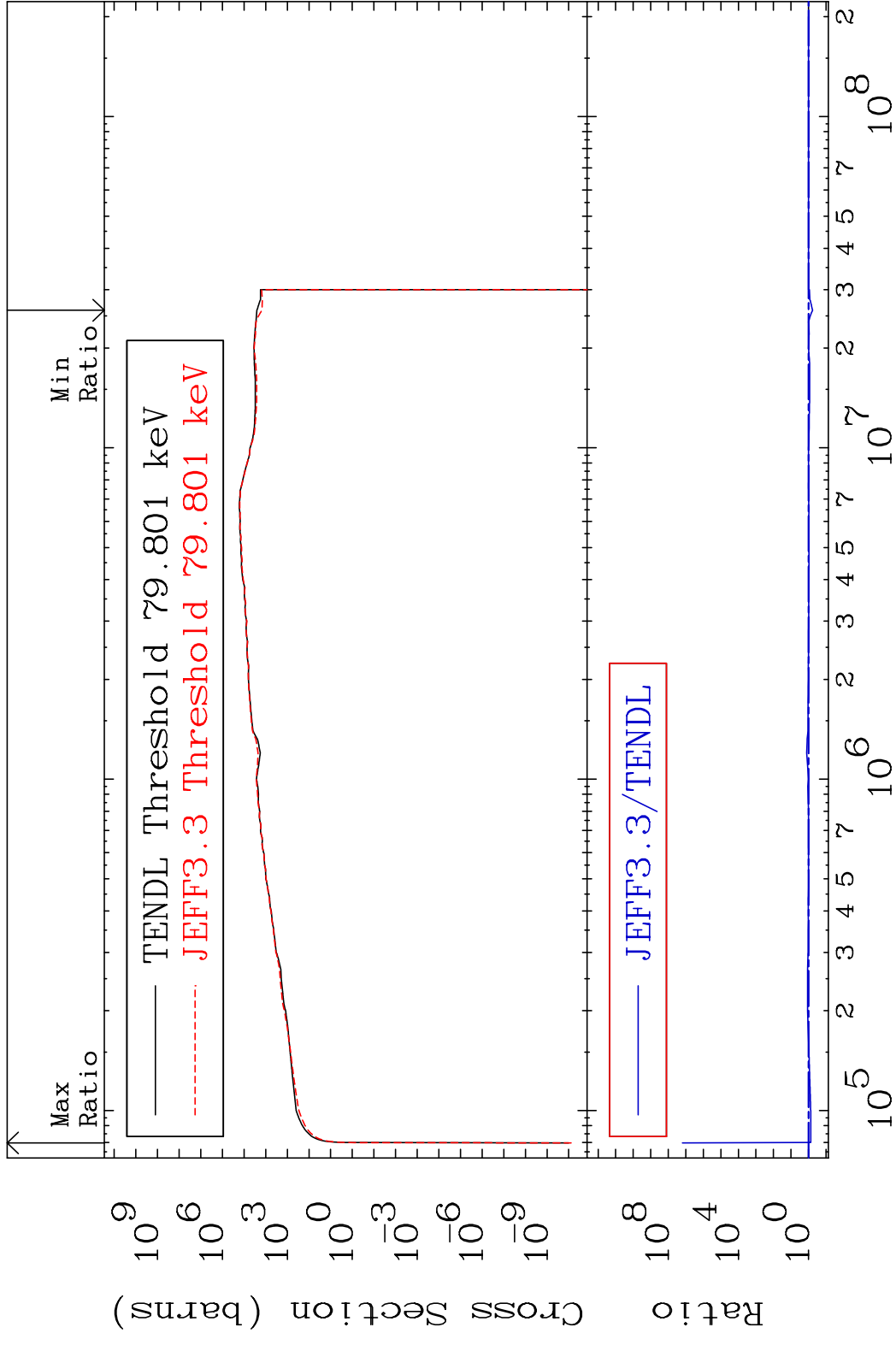






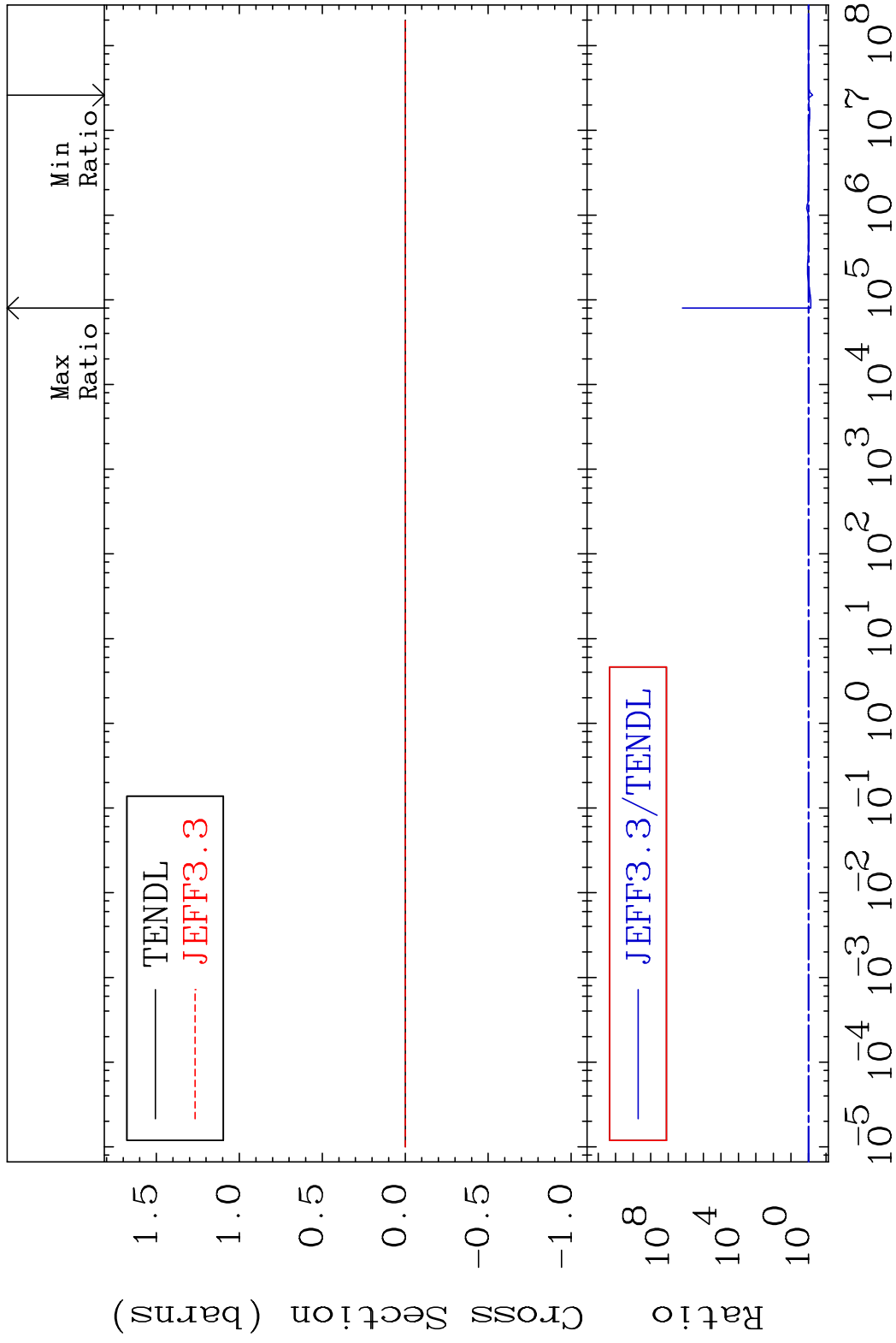


MAT 6840 Kerma inelastic (mt51-91) 68-Er-167  
 Cross Section -41.12 To 9999. %



70 Incident Energy (eV) 68-Er-167

MAT 6840 Kerma fission (mt18 or mt19-20-21-38) 68-Er-167  
 Cross Section -41.12 To 9999. %



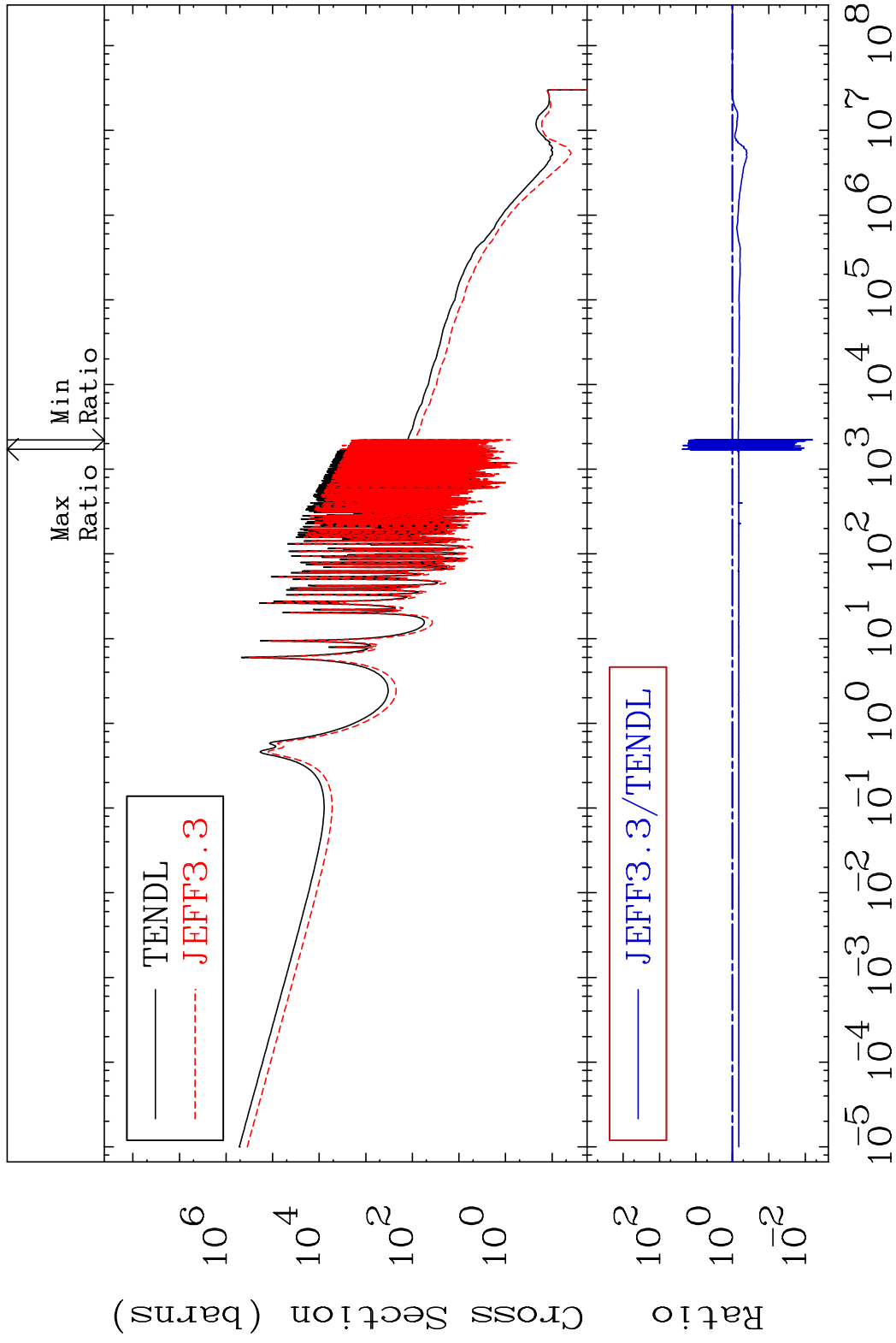


MAT 6840

Kerma capture (mt102)

68-Er-167

Cross Section -99.37 To 2261. %

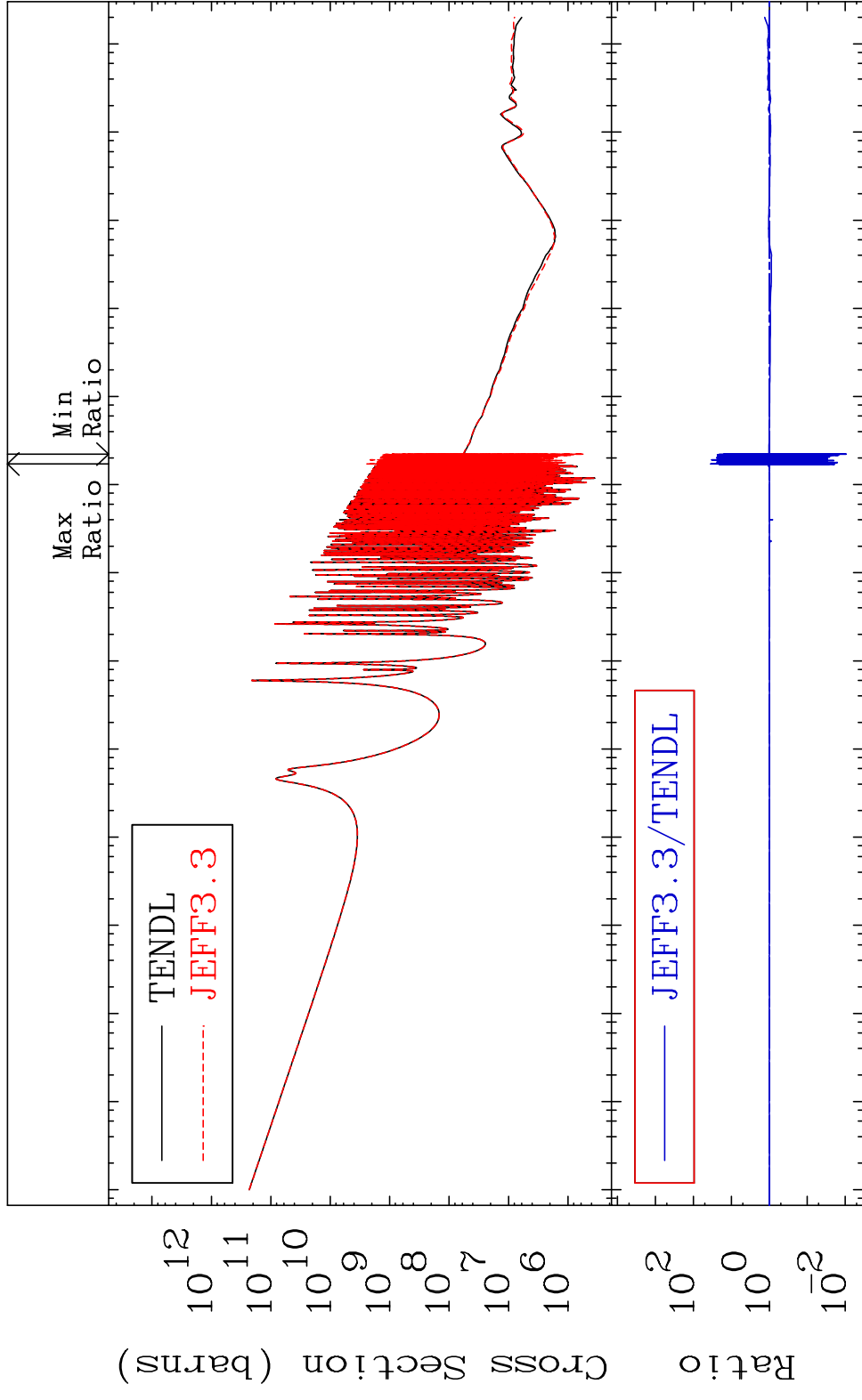


72

Incident Energy (eV)

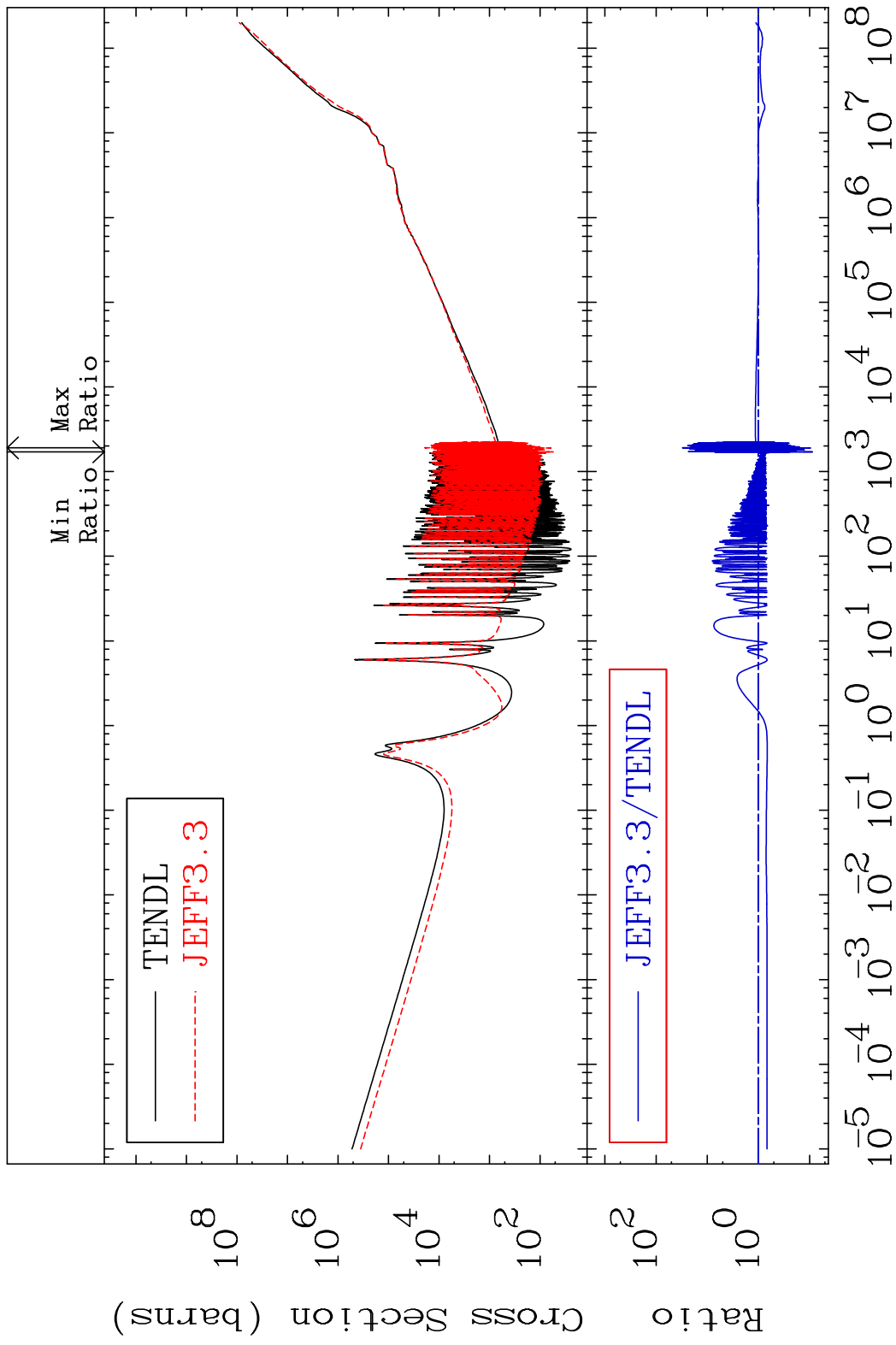
68-Er-167

MAT 6840 Total photon (eV-barns) 68-Er-167  
 Cross Section -99.06 To 3401. %



73 Incident Energy (eV) 68-Er-167

MAT 6840 Total kinematic kerma (high limit) 68-Er-167  
 Cross Section -91.24 To 2965. %

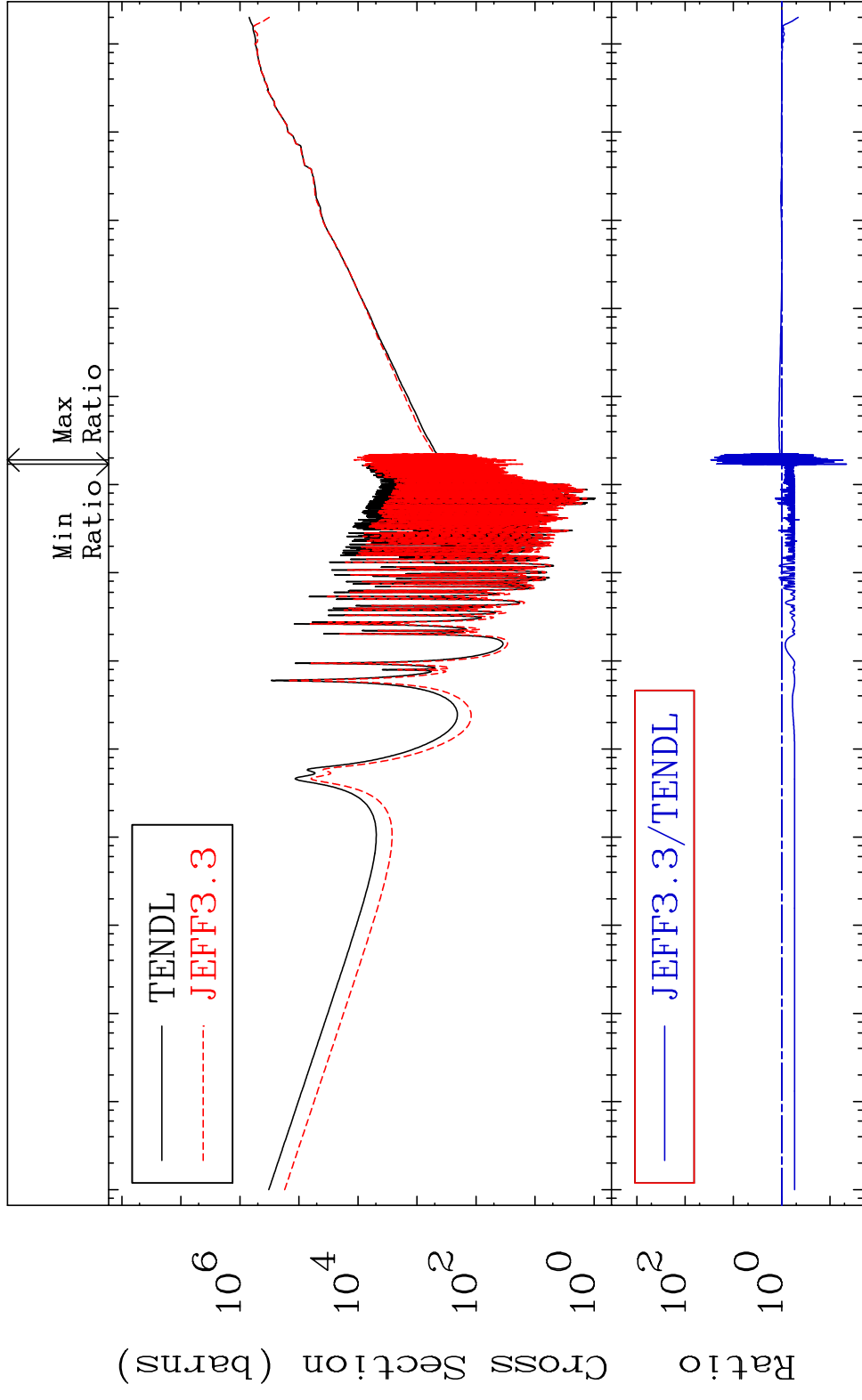


MAT 6840

Dpa total (eV-barns)

68-Er-167

Cross Section -95.40 To 2848. %



75

Incident Energy (eV)

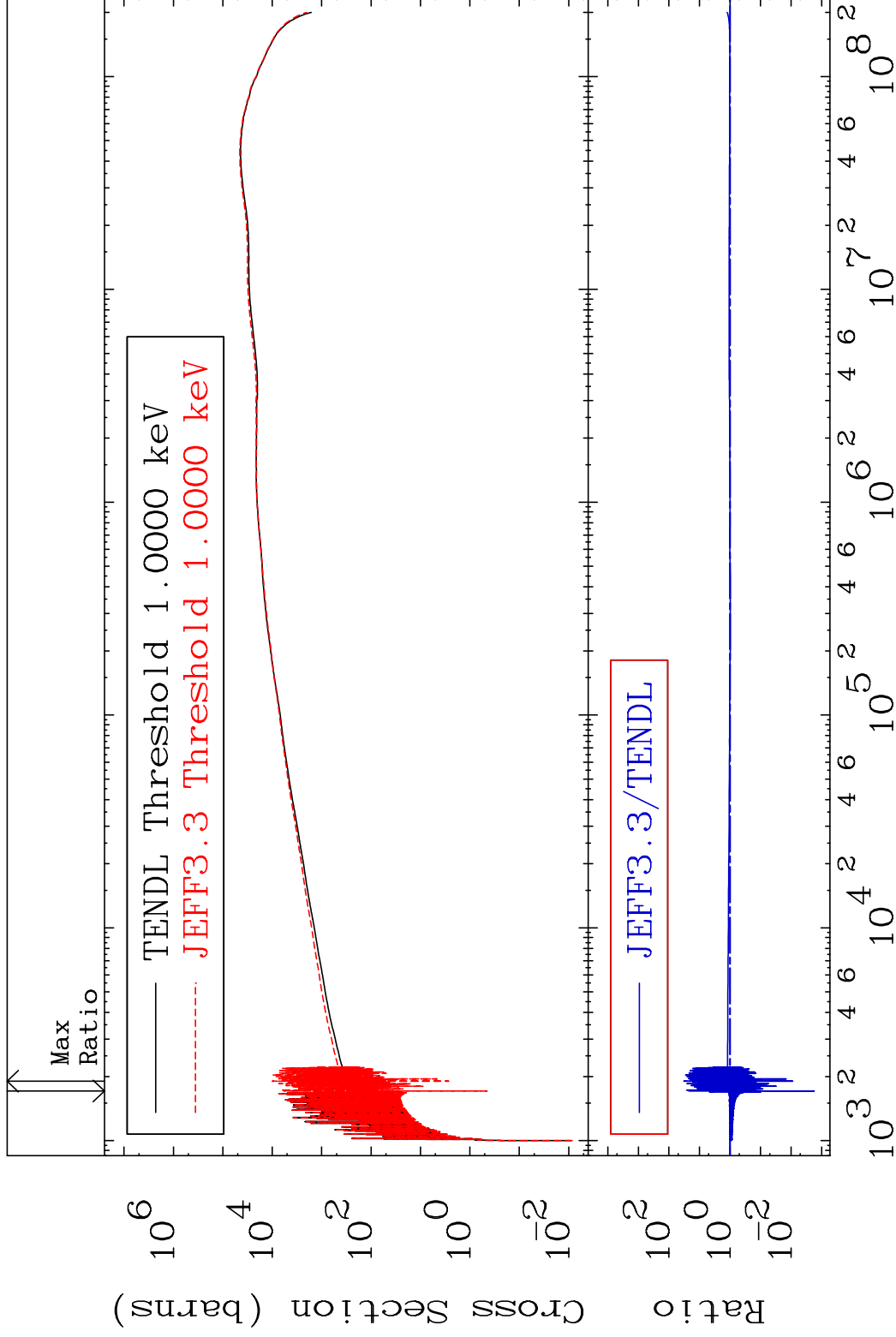
68-Er-167

MAT 6840

Dpa elastic (mt2)

68-Er-167

Cross Section -99.82 To 3191. %

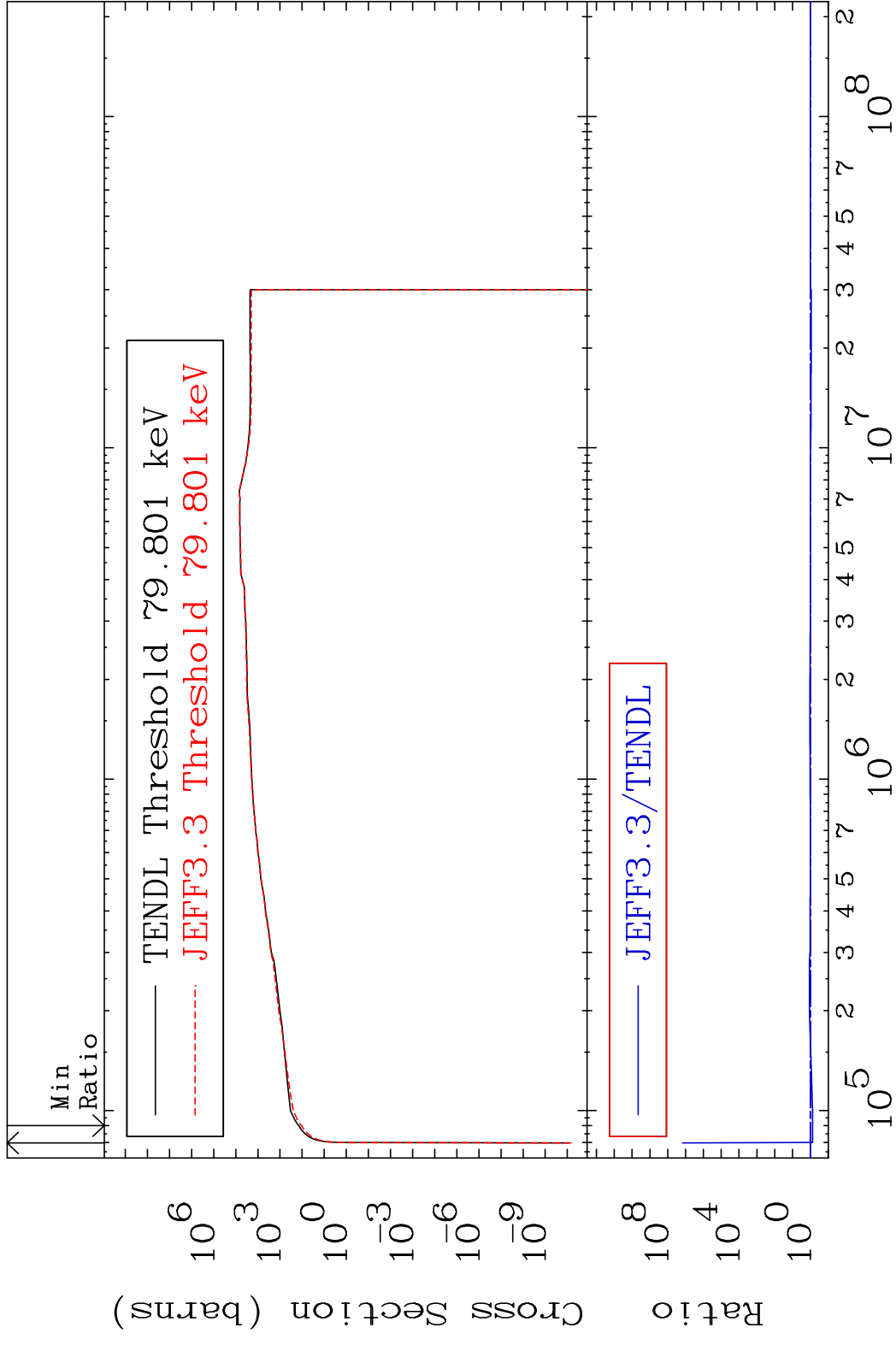


76

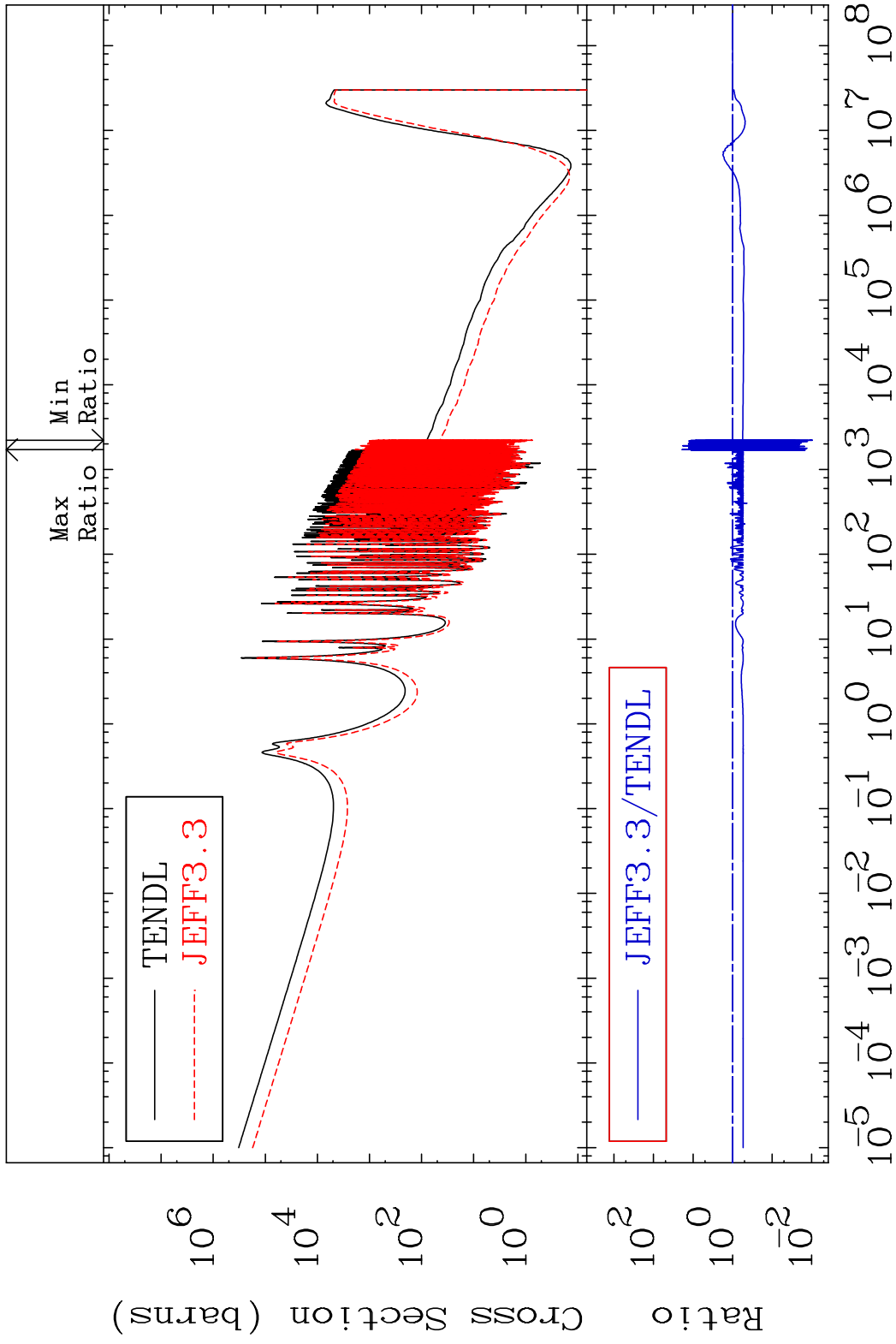
Incident Energy (eV)

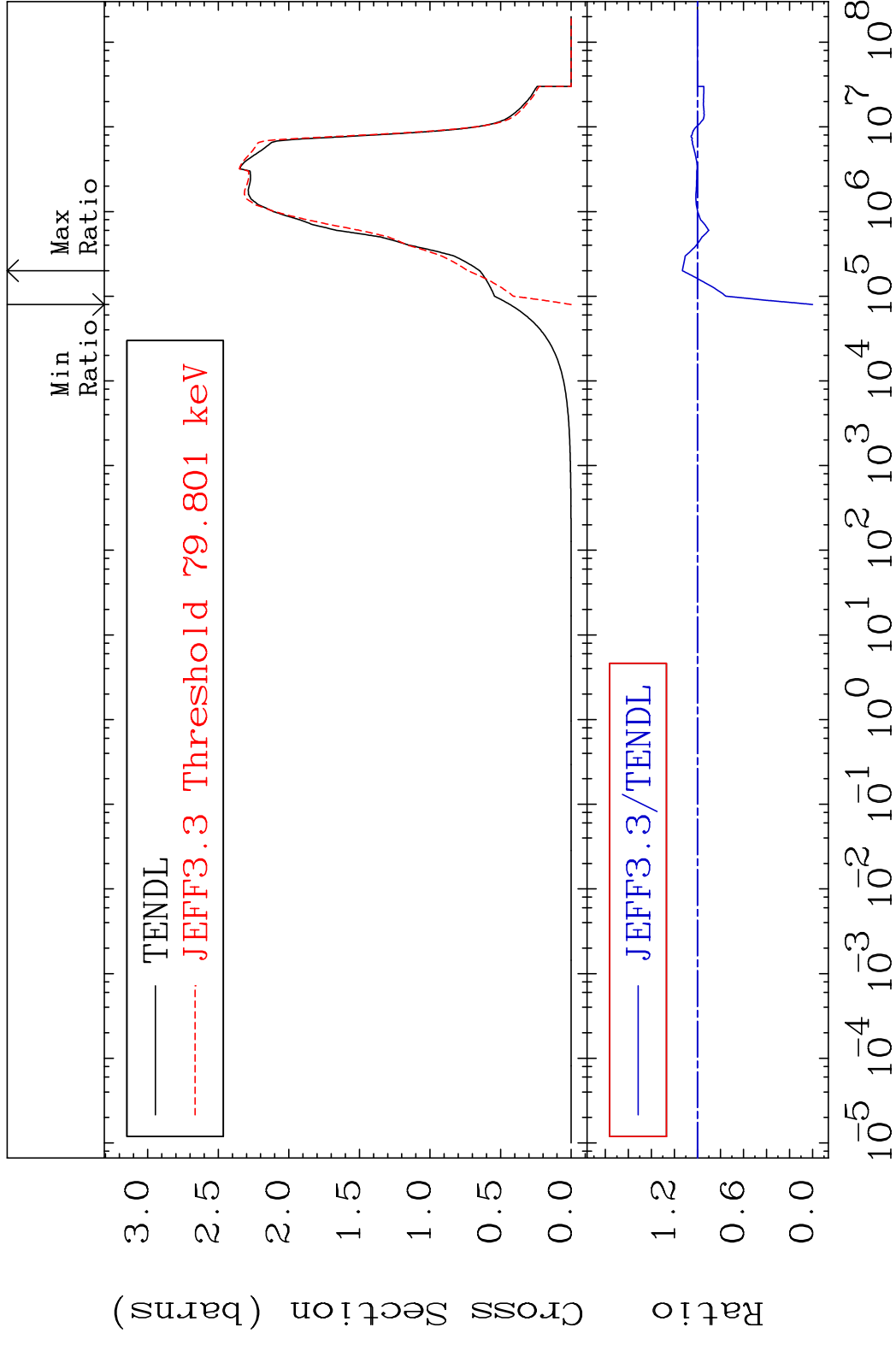
68-Er-167

MAT 6840      Dpa inelastic (mt51-91)      68-Er-167  
 Cross Section    -24.82 To 9999. %

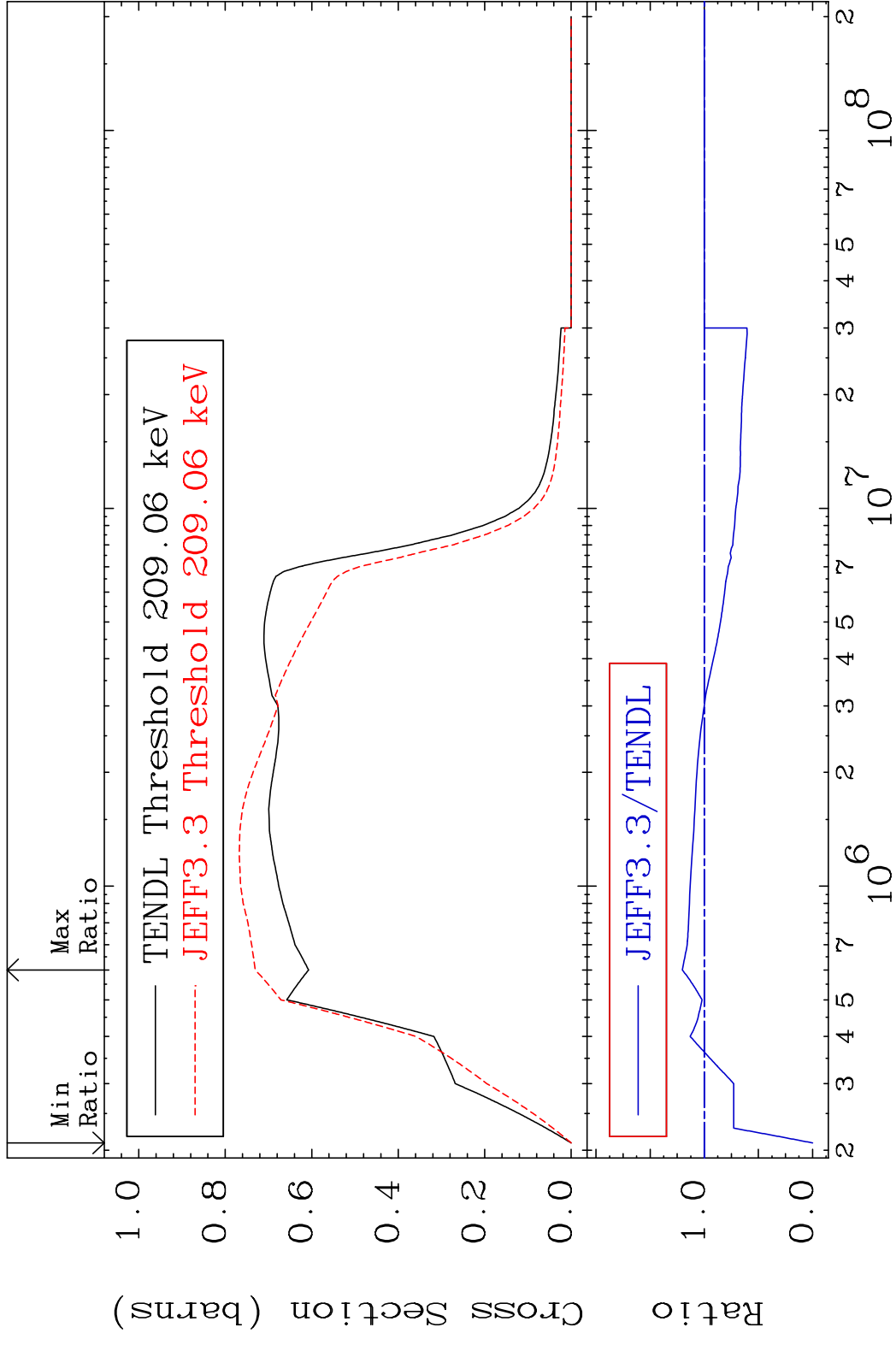


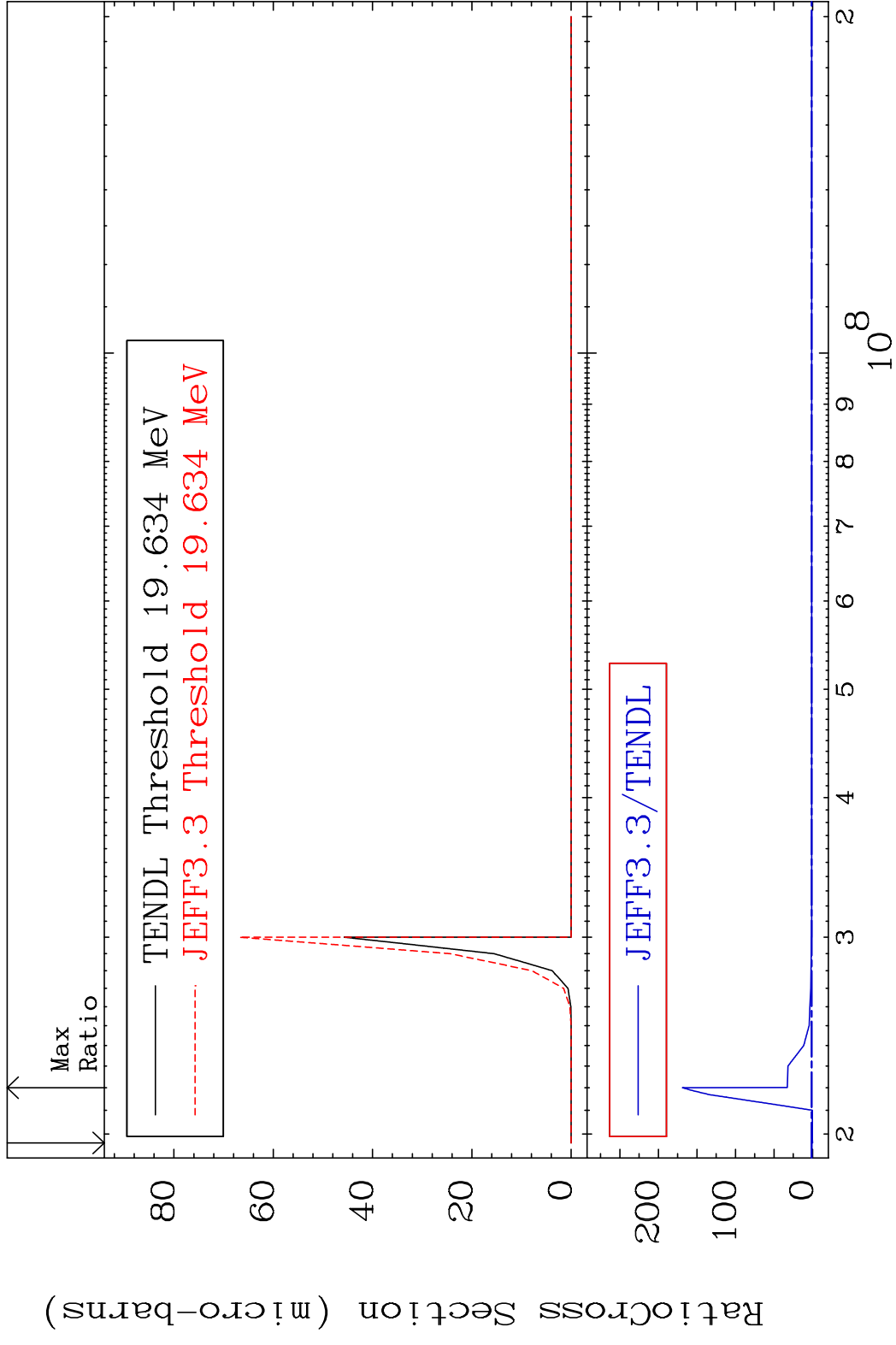
MAT 6840 Dpa disappearance (mt102 -120) 68-Er-167  
Cross Section -99.04 To 1787. %

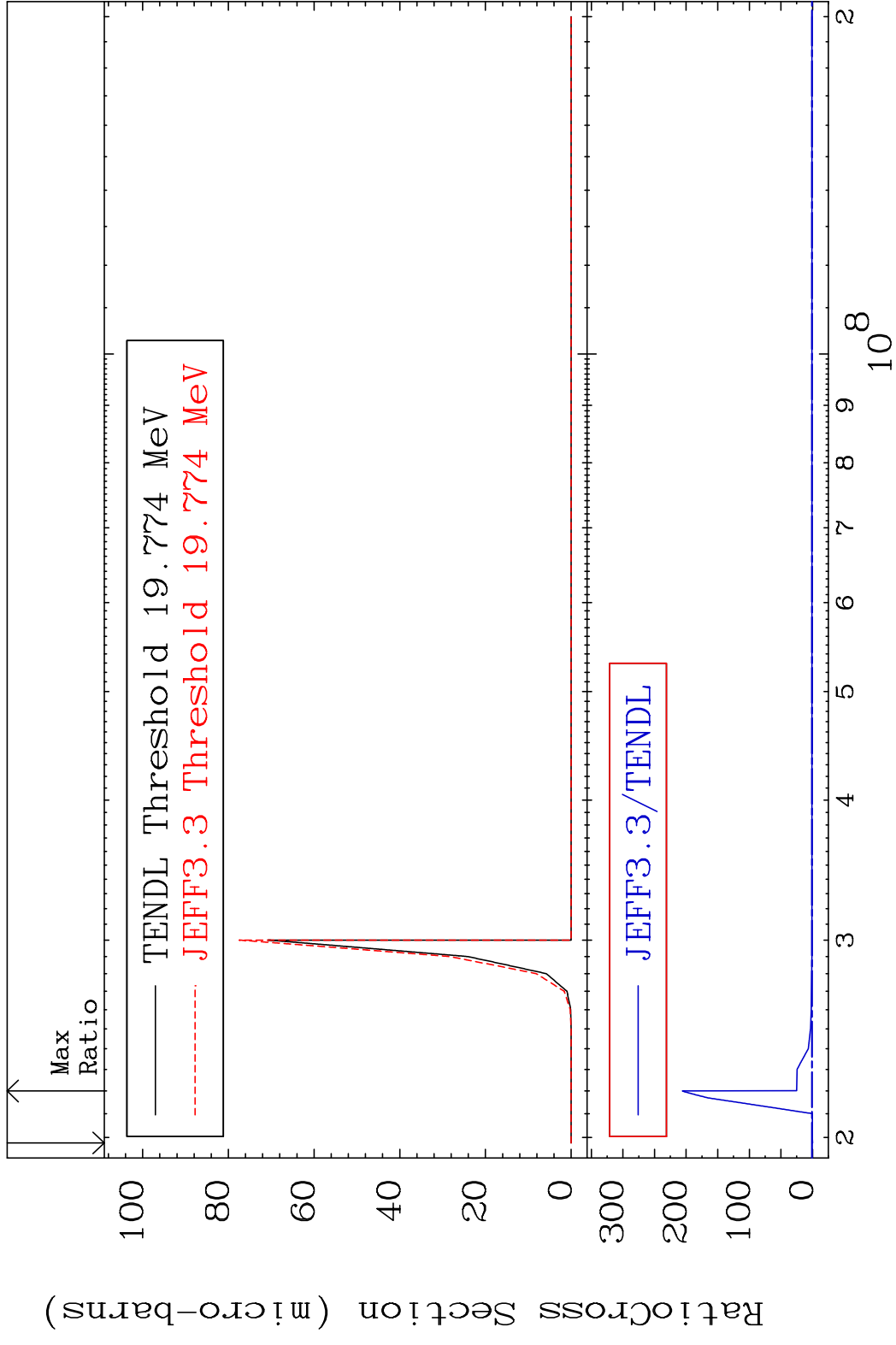


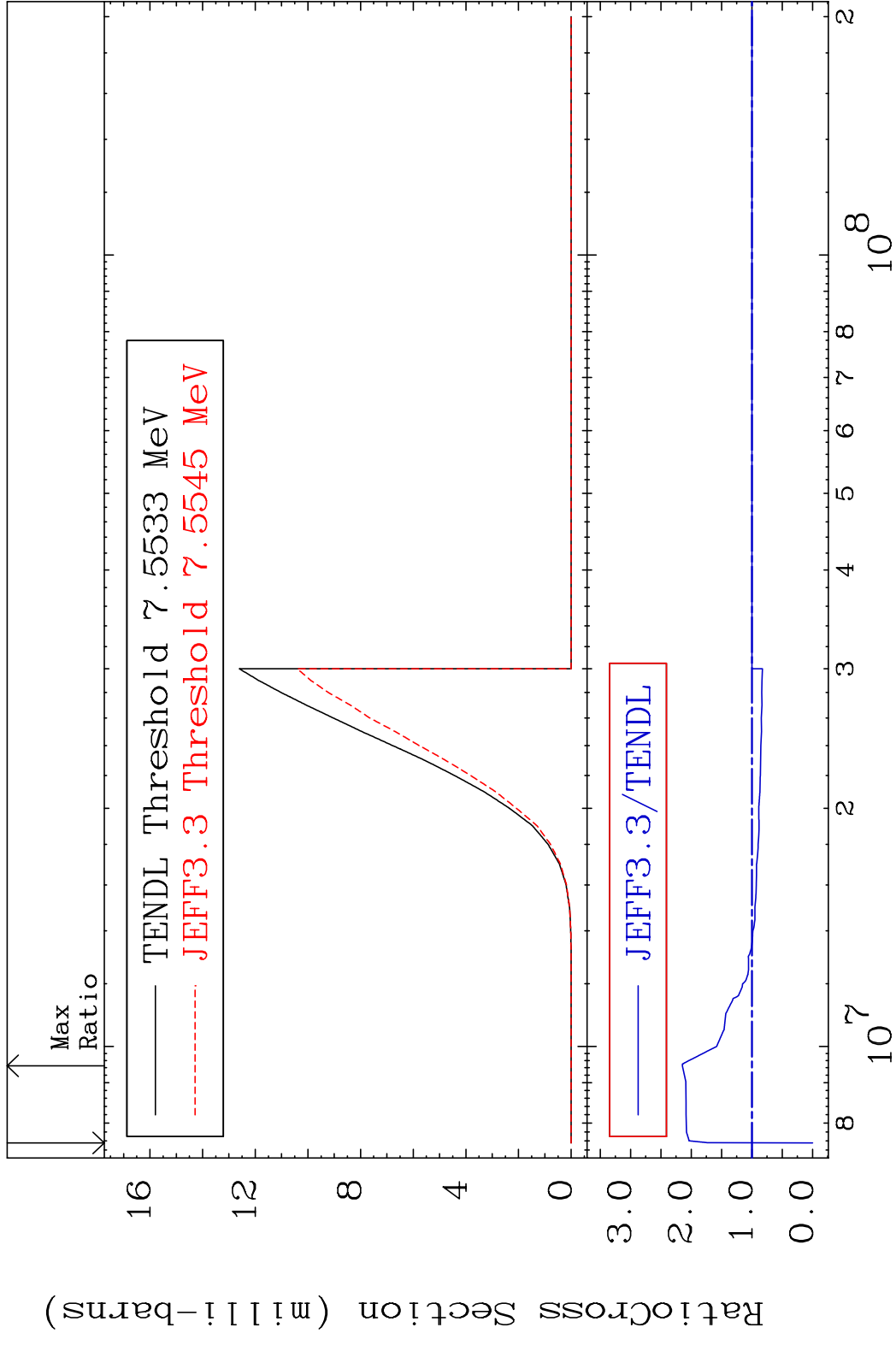


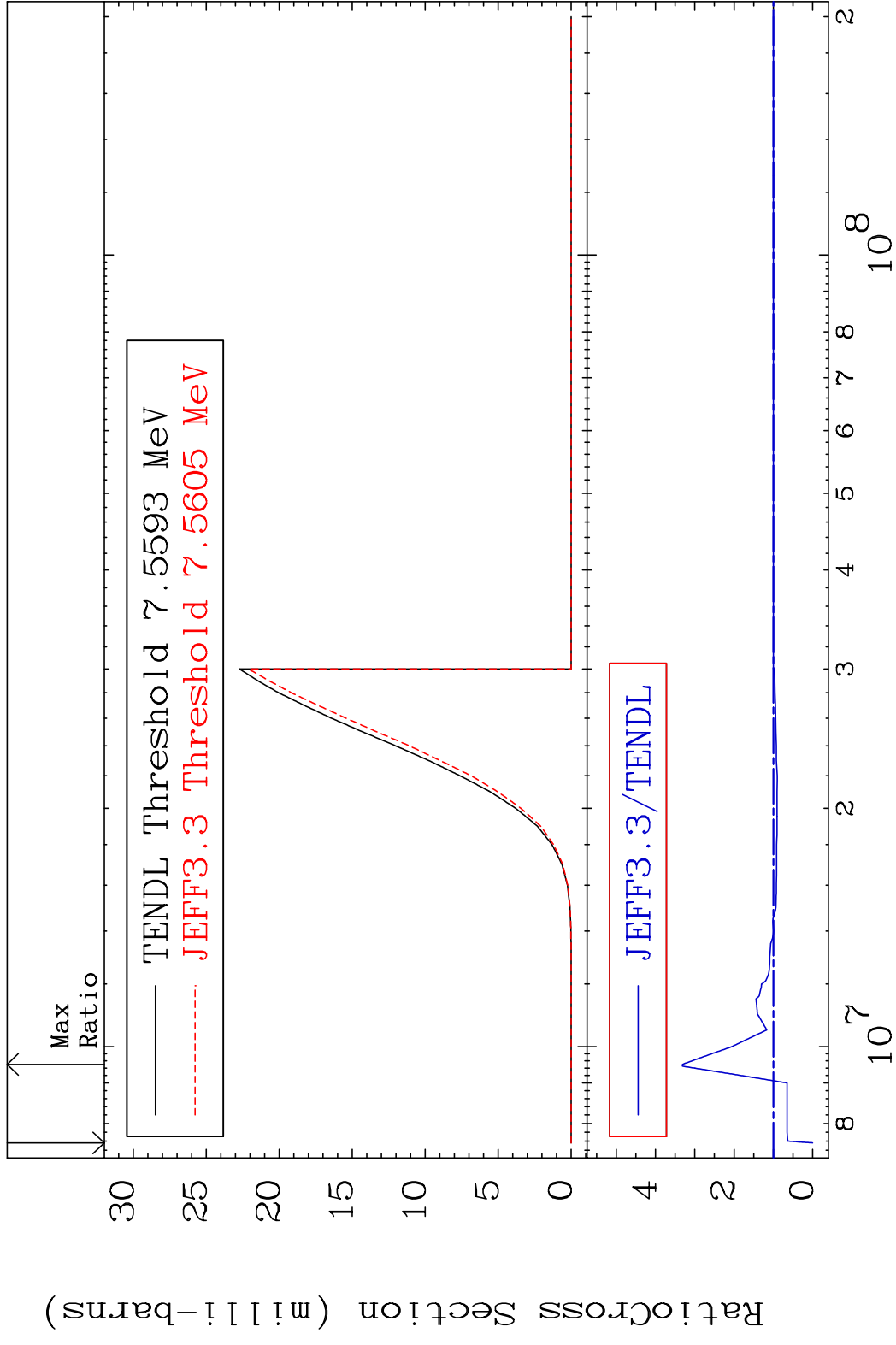


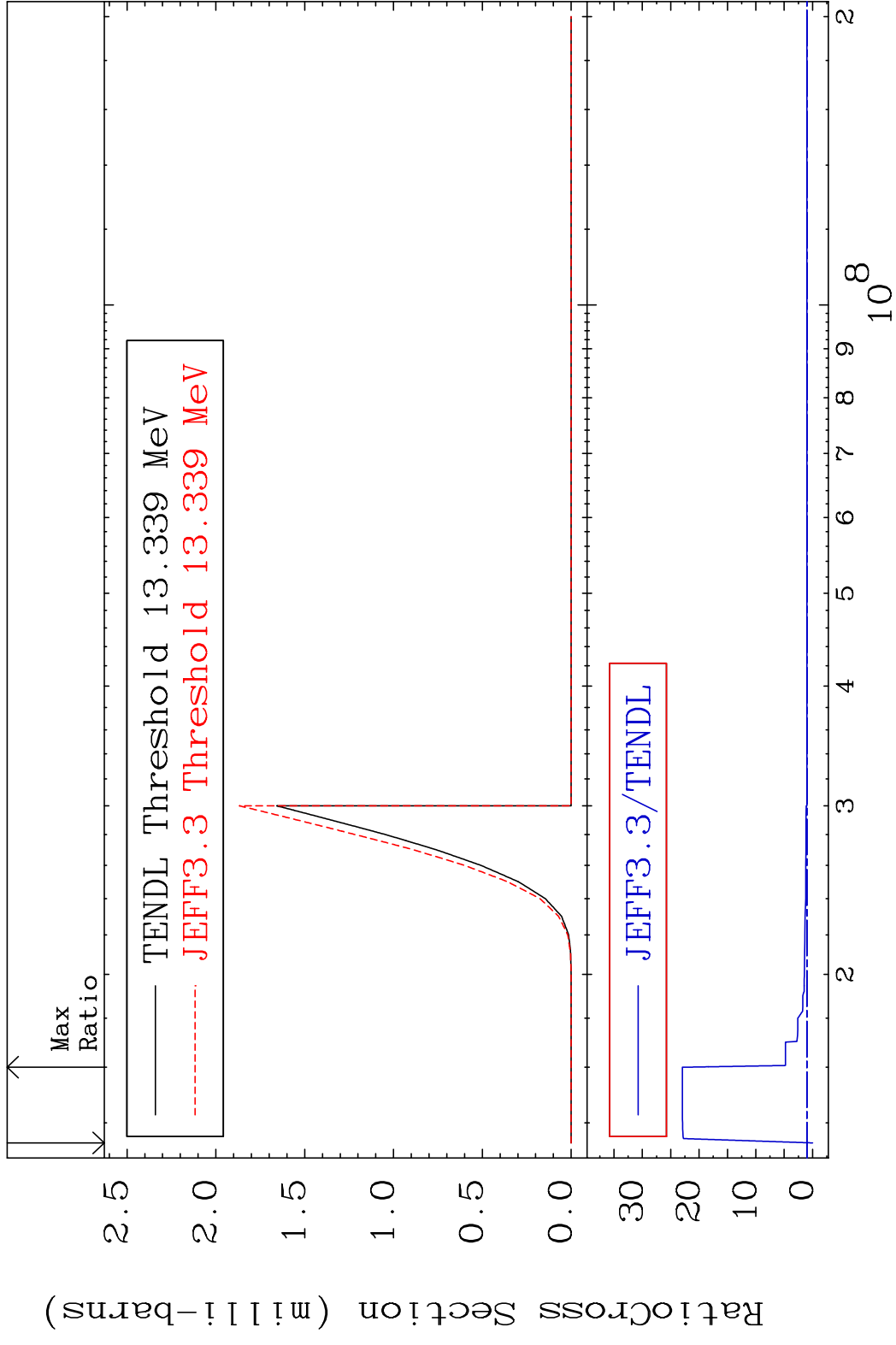




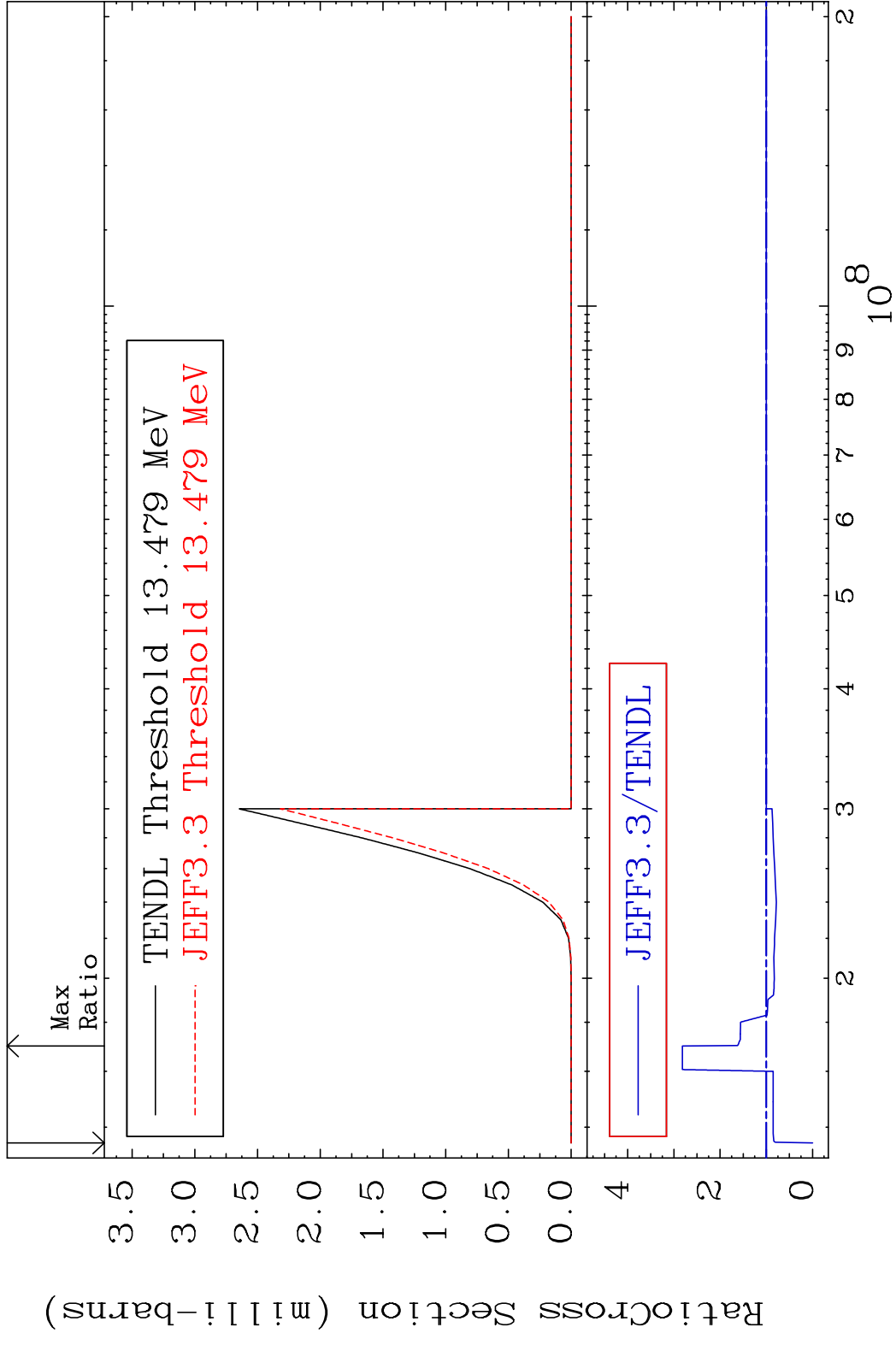


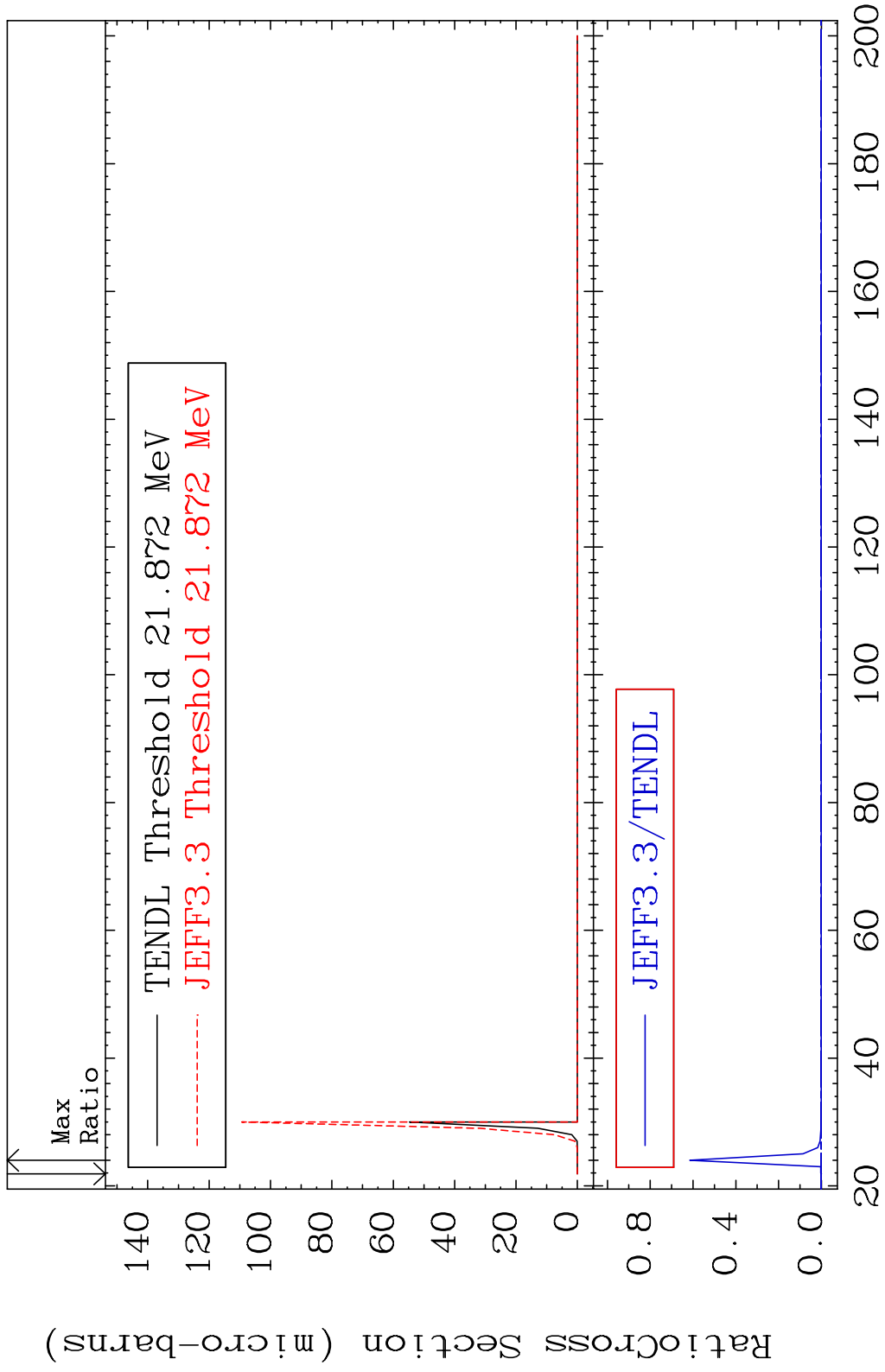




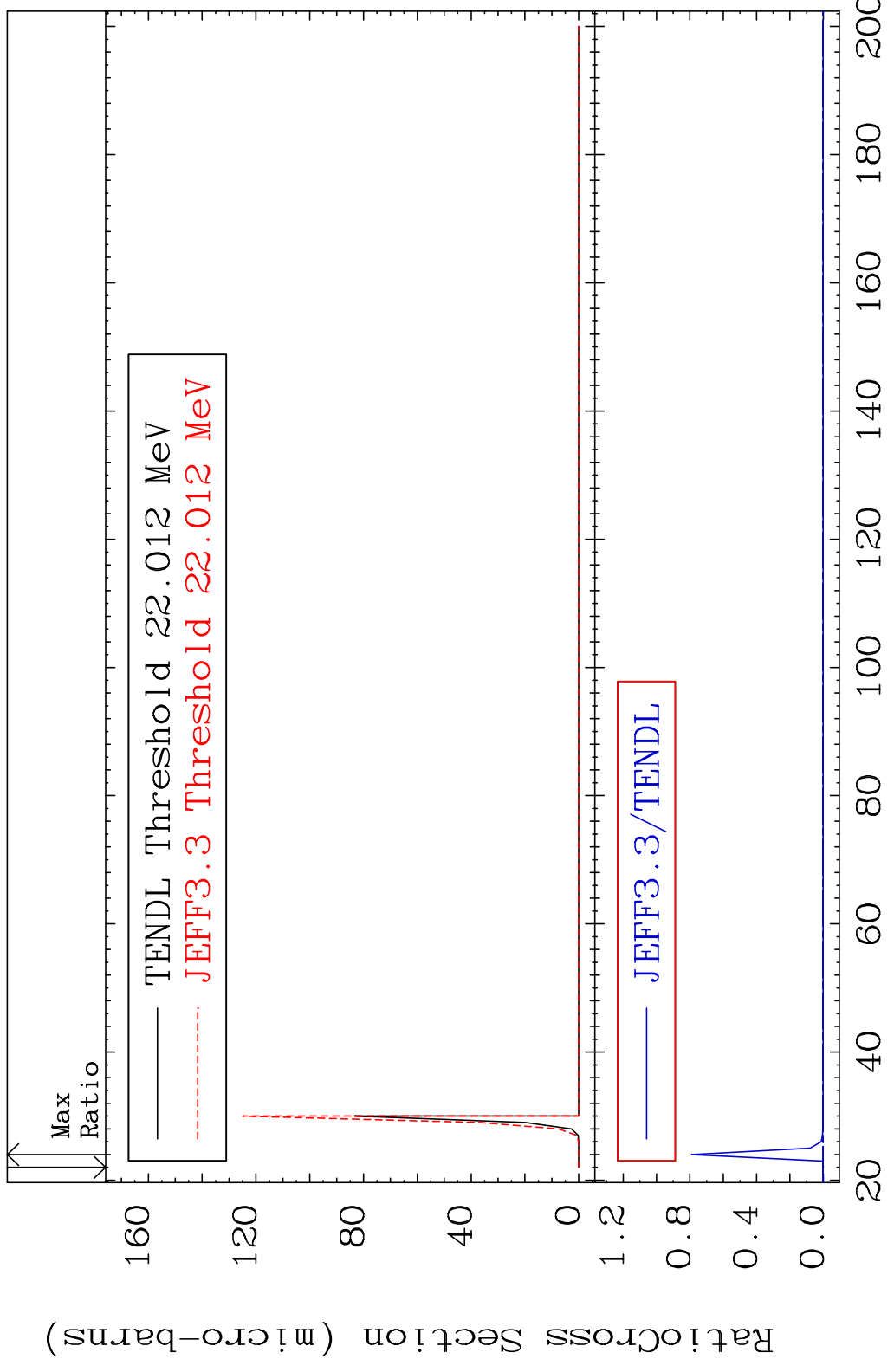


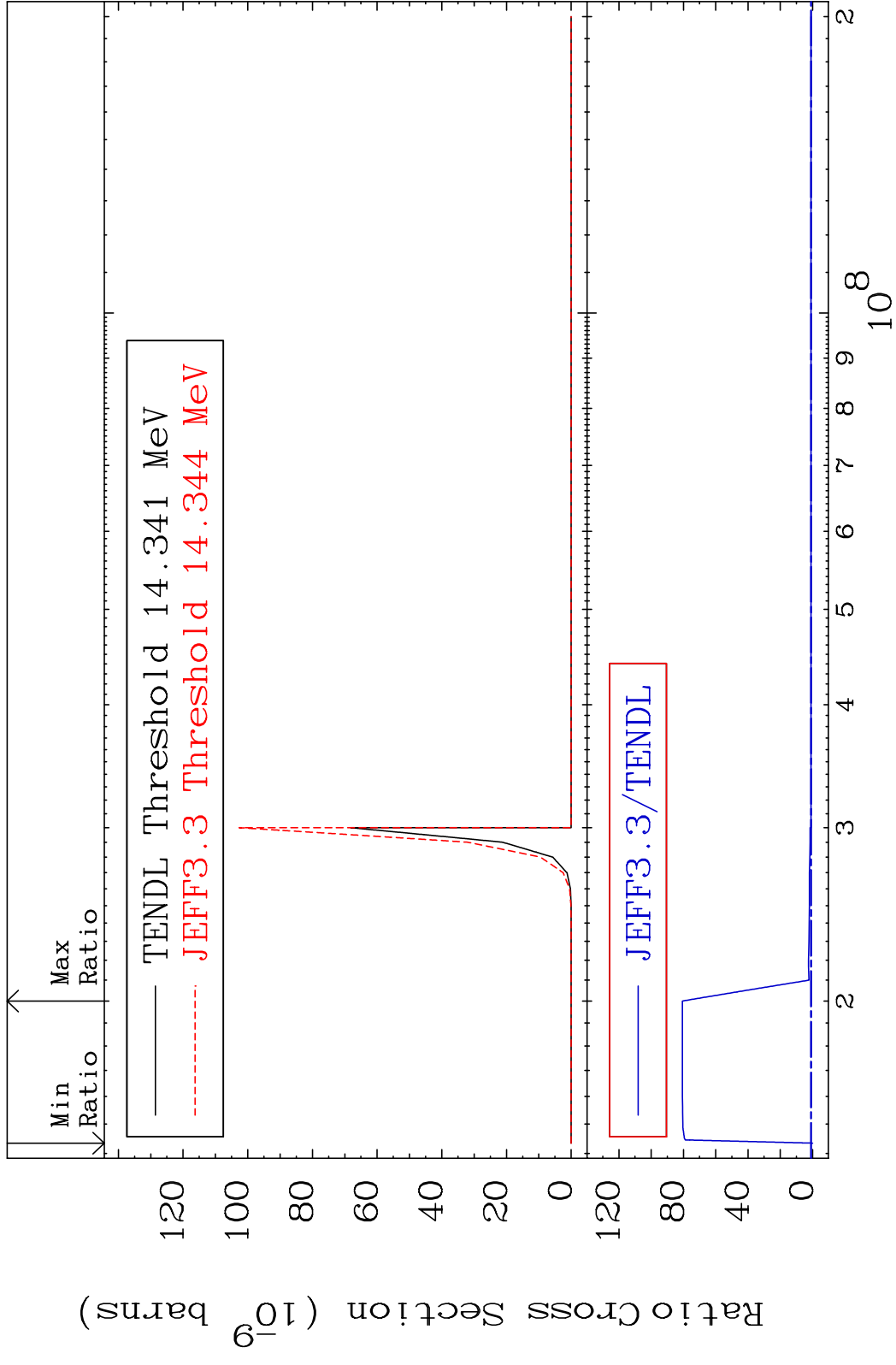
MAT 6840 (n, n') t:67-Ho-164m3 68-Er-167  
 Radionuclide Production Cross Section 181.7 %

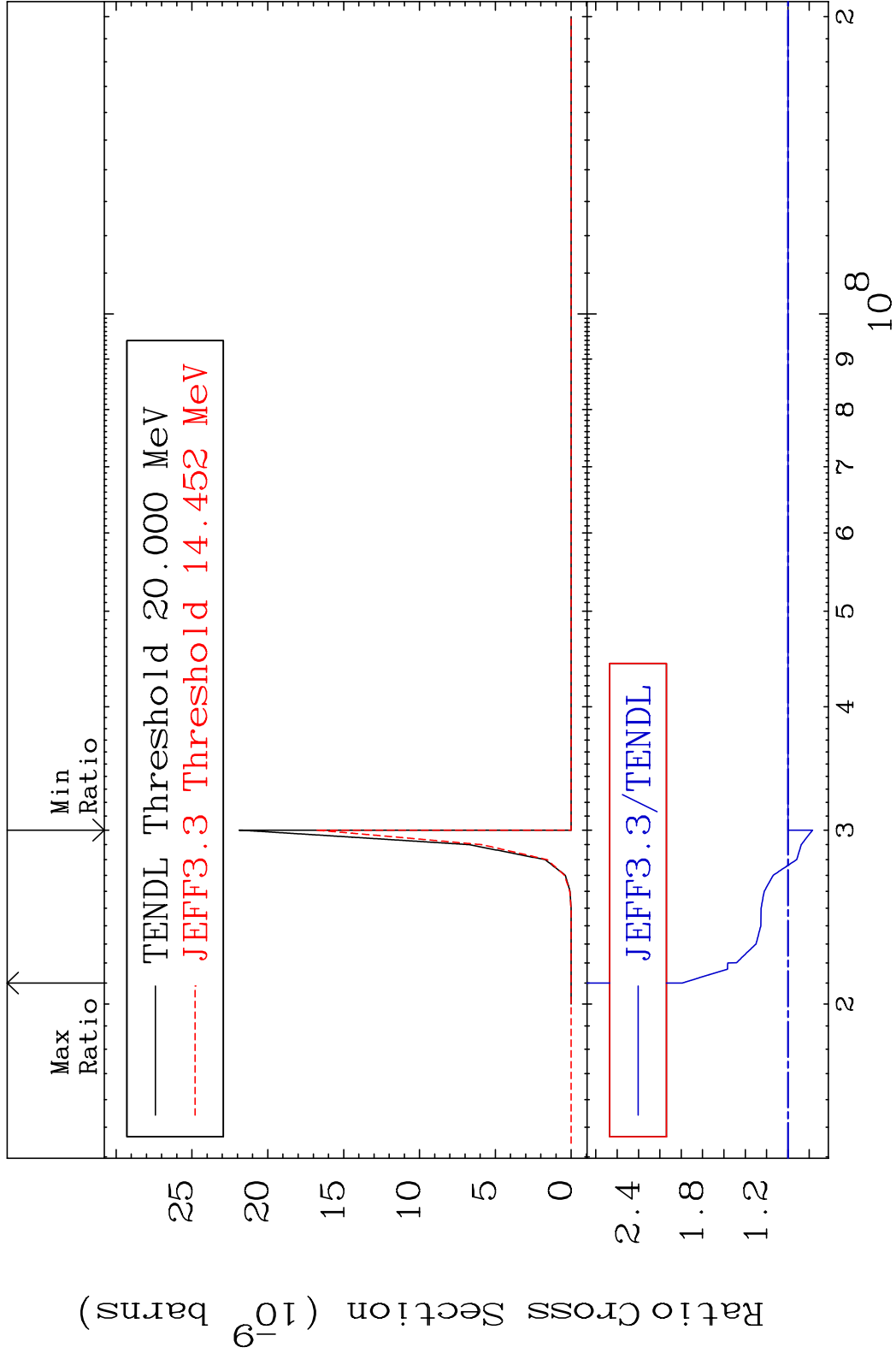




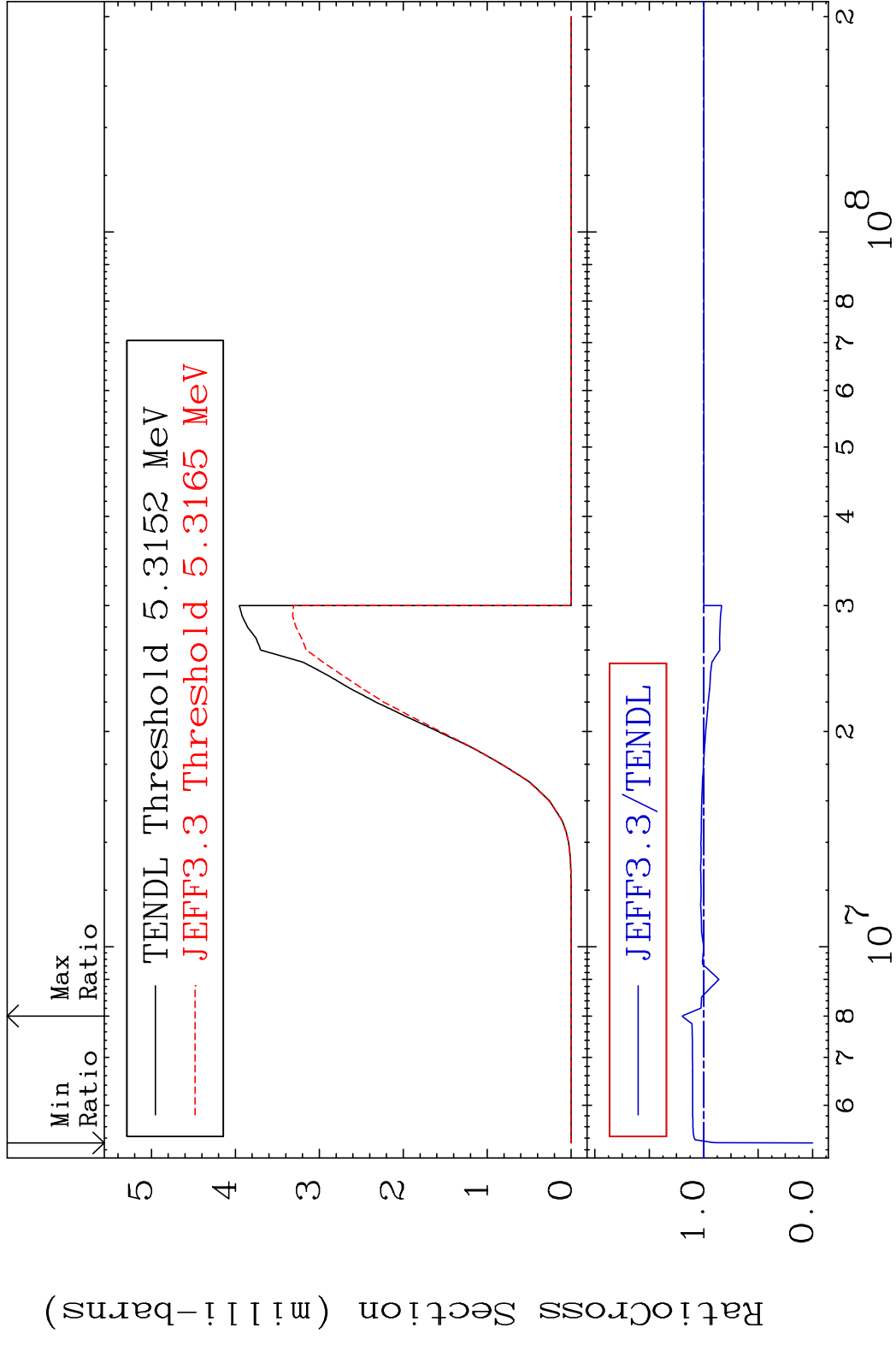


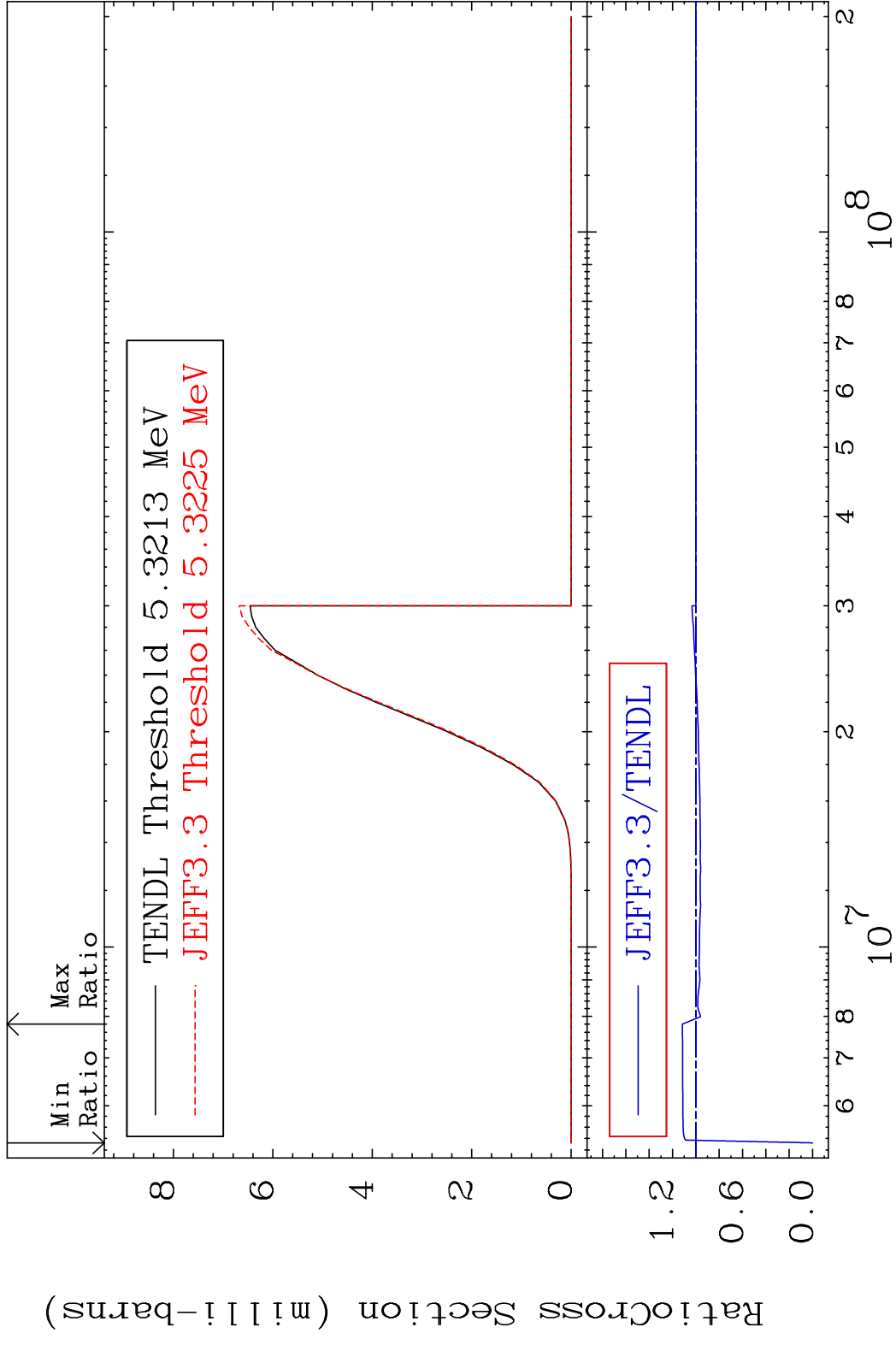




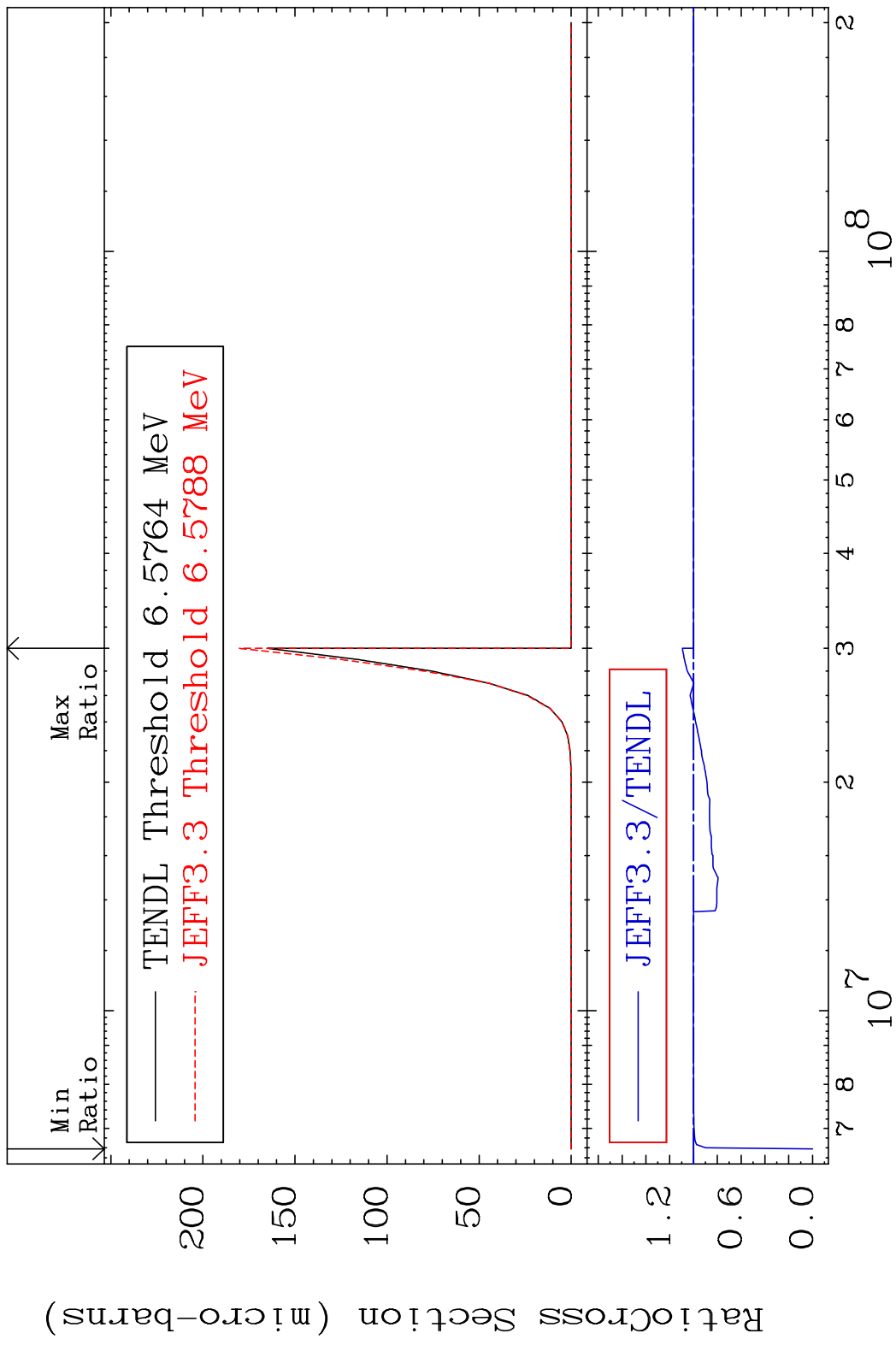


MAT 6840 (n, d):67-Ho-166g 68-Er-167  
 Radionuclide Production Cross Section 19.64 %





MAT 6840 (n, He-3):66-Dy-165g 68-Er-167  
 Radionuclide Production Cross Section Ratio 9.372 %



MAT 6840 (n, He-3) : 66-Dy-165m2 68-Er-167  
 Radionuclide Production Cross Section Ratio 0.028 %

