

Program Complot
(Version 2021-1)

by

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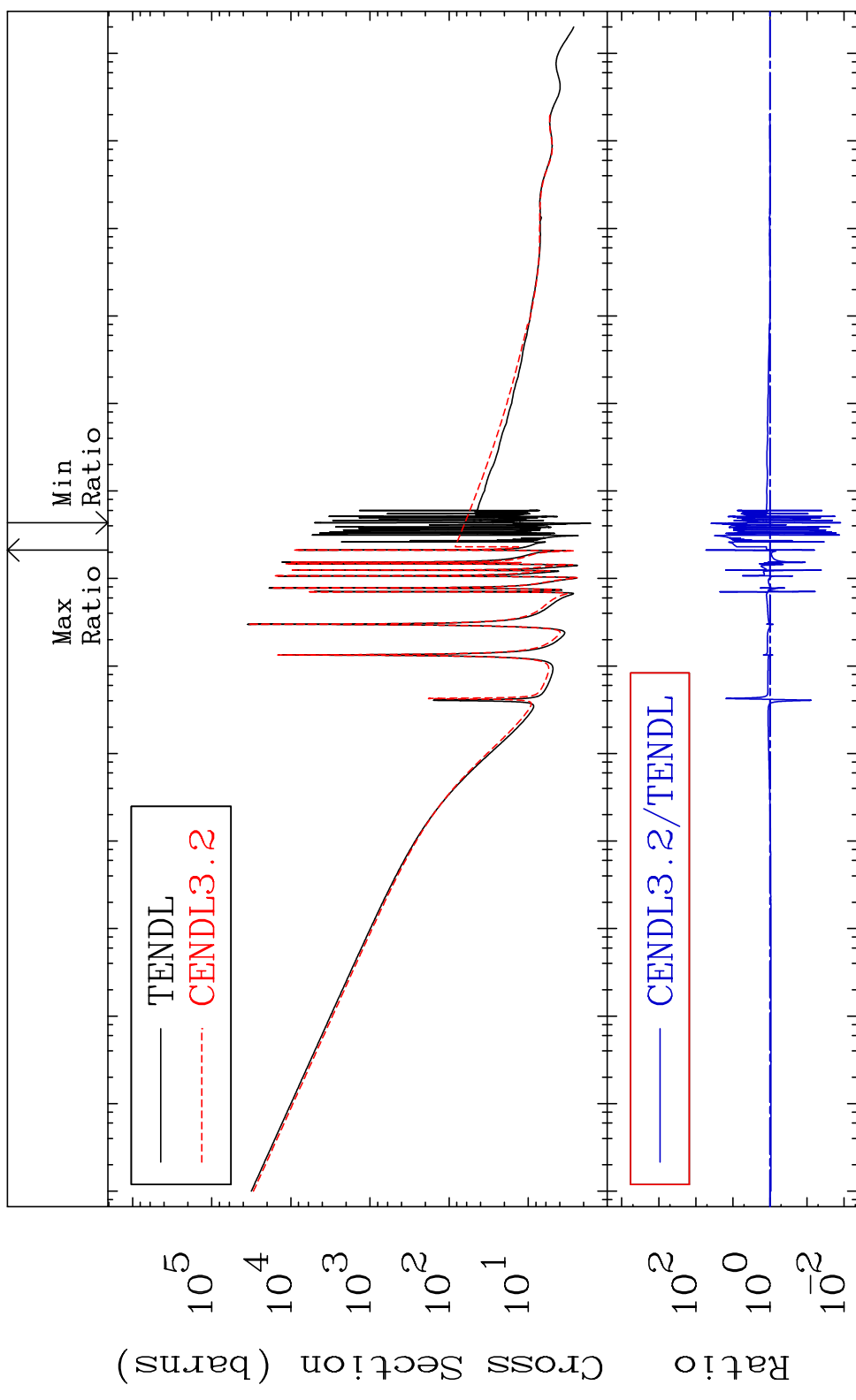
Press Mouse Button to Start

MAT 7225

Total

72-Hf-174

Cross Section -98.75 To 5294. %



1

Incident Energy (eV)

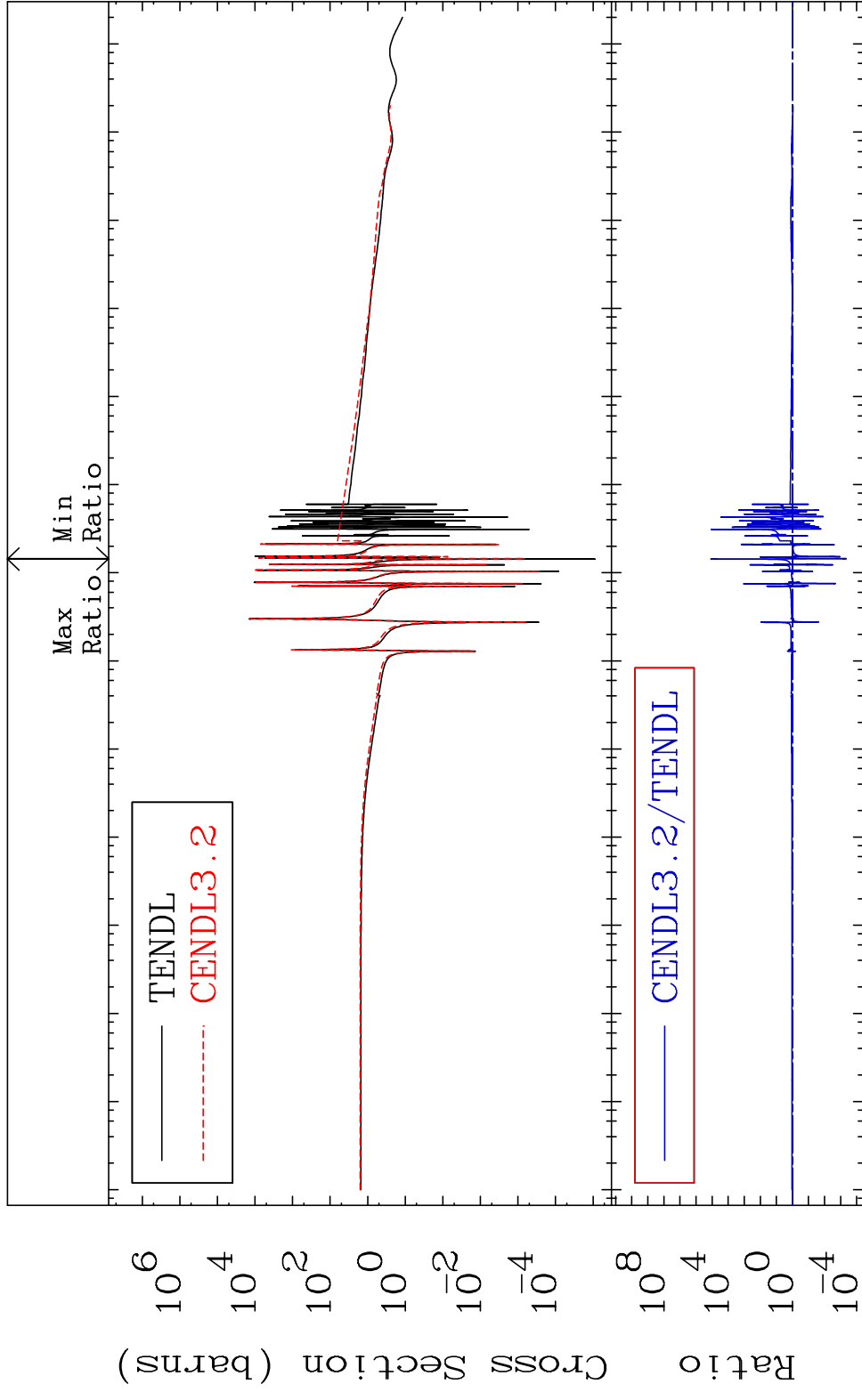
72-Hf-174

MAT 7225

72-Hf-174

Elastic

Cross Section -99.96 To 9999. %

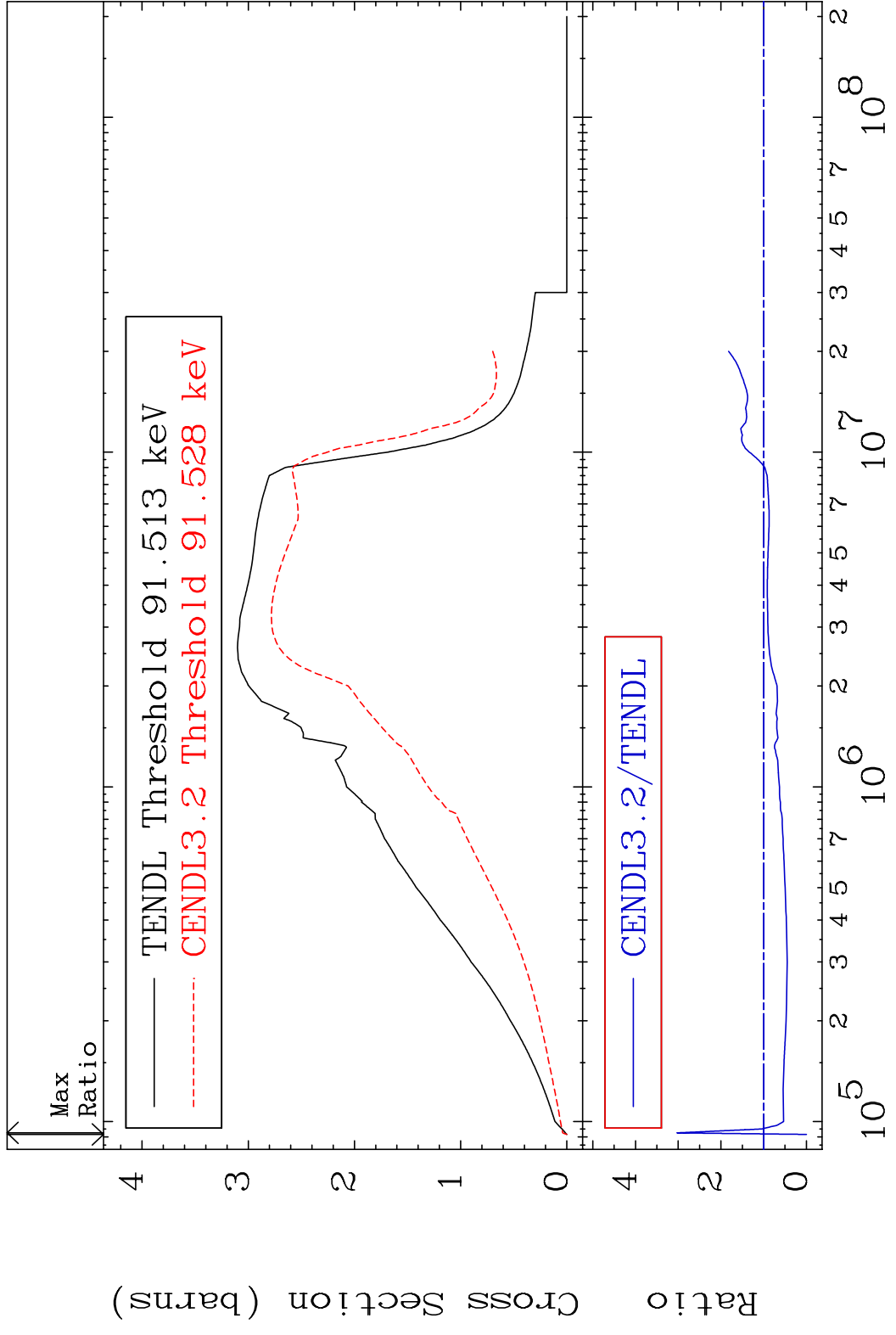


2

Incident Energy (eV)

72-Hf-174

MAT 7225 Inelastic 72-Hf-174
 Cross Section -100.0 To 202.4 %



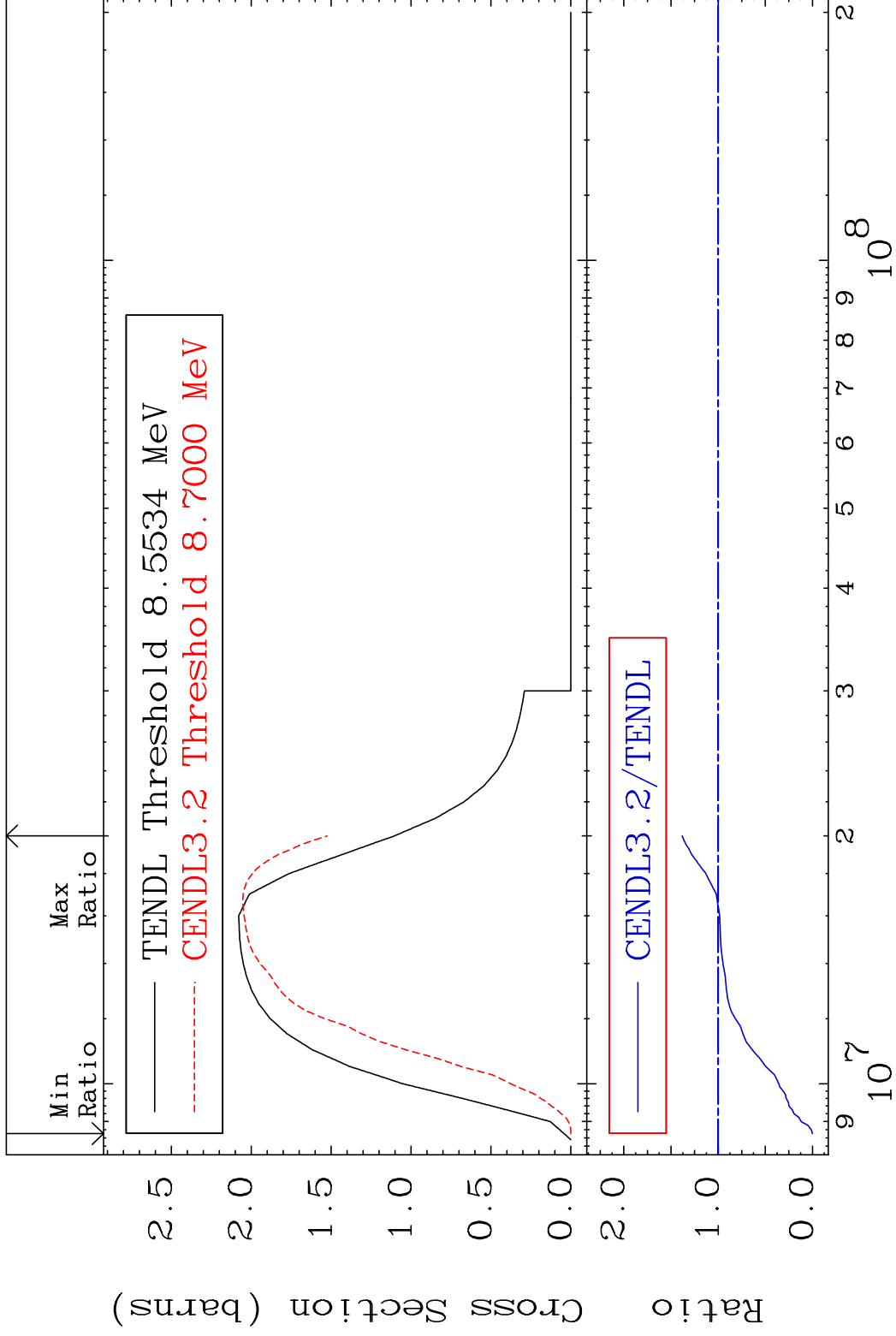
3 72-Hf-174

MAT 7225

(n,2n)

72-Hf-174

Cross Section -100.0 To 38.16 %



4

Incident Energy (eV)

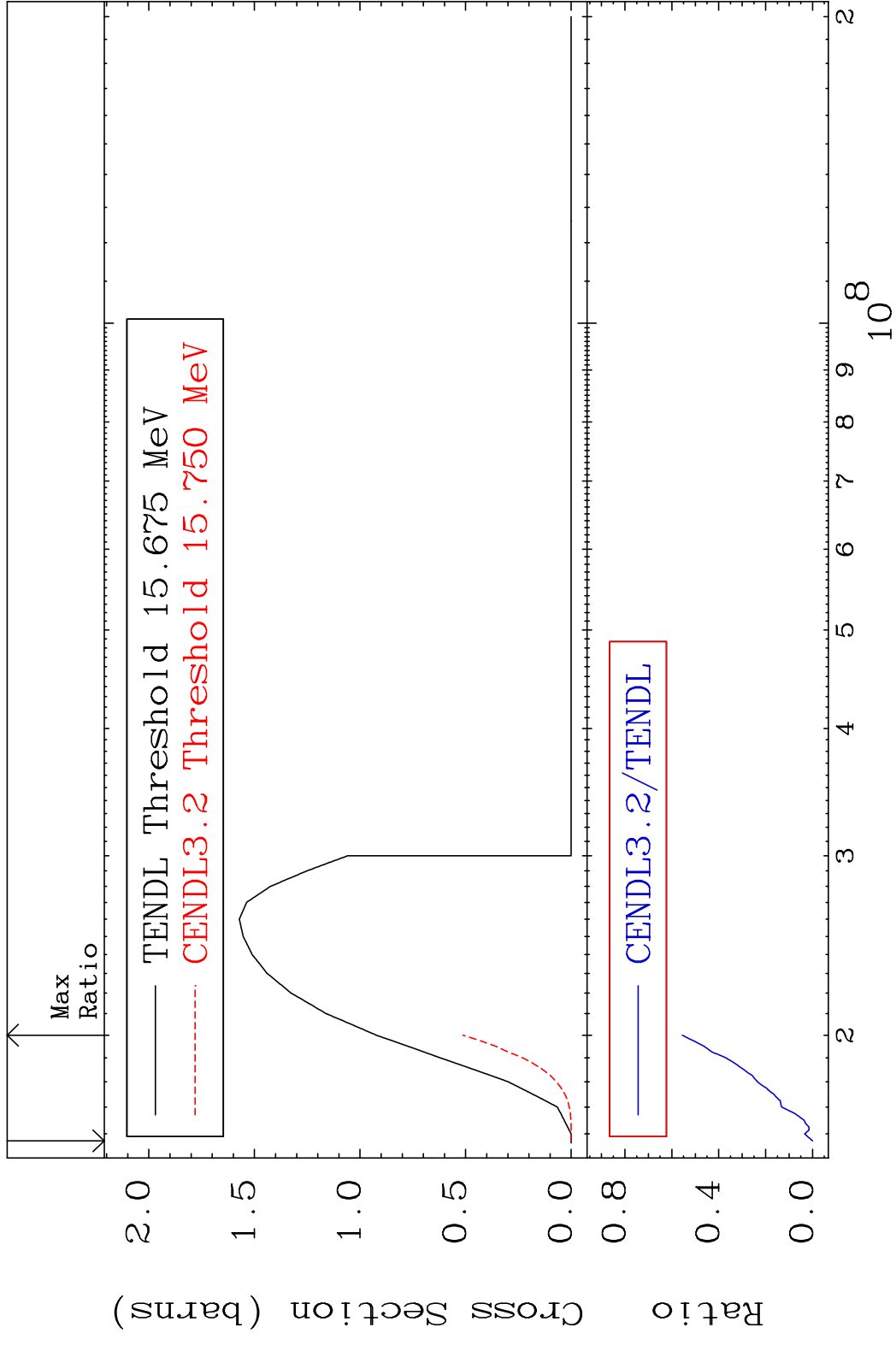
72-Hf-174

MAT 7225

(n,3n)

72-Hf-174

Cross Section -100.0 To -44.48%



5

Incident Energy (eV)

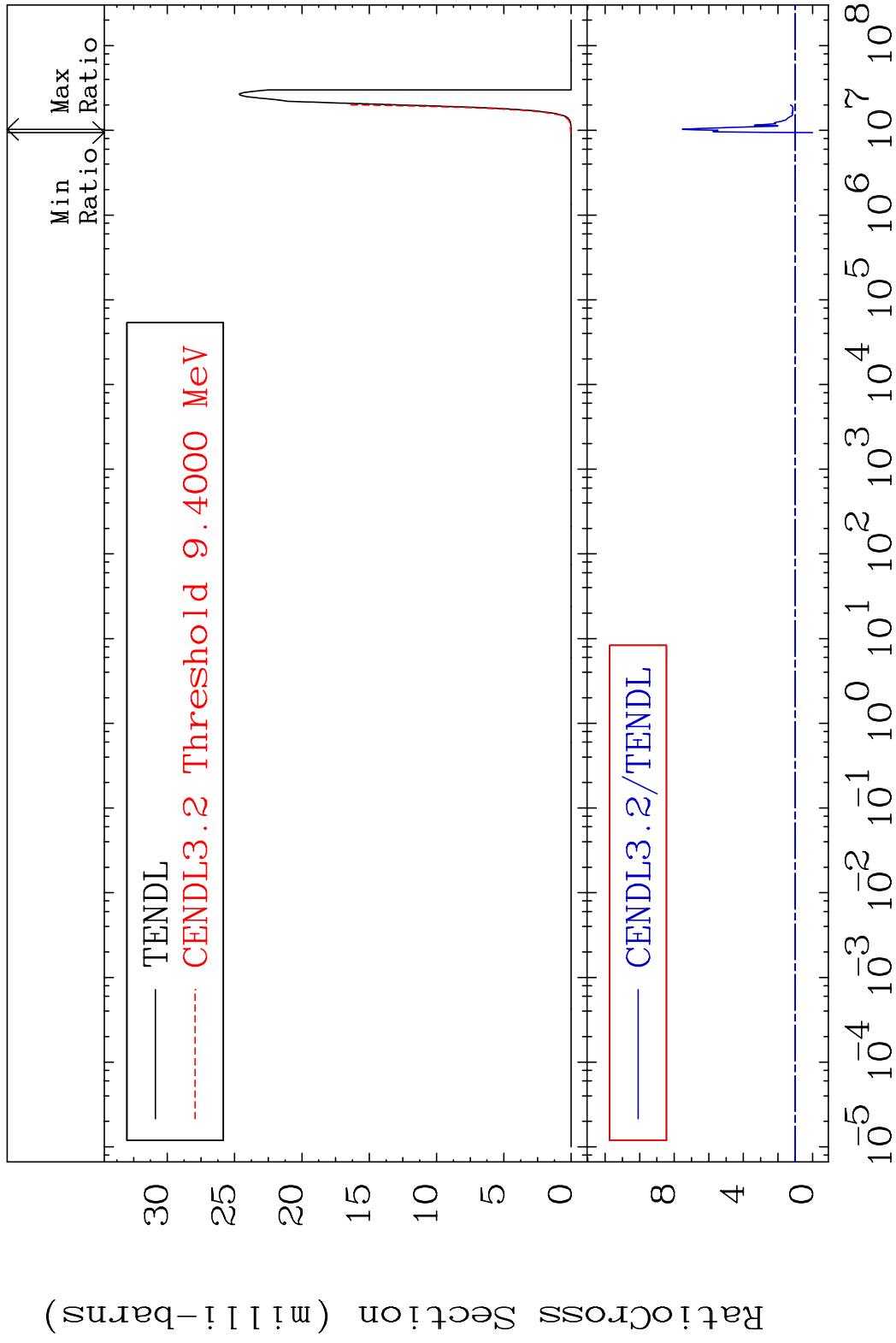
72-Hf-174

MAT 7225

(n, n') α

72-Hf-174

Cross Section -100.0 To 653.0 %



6

Incident Energy (eV)

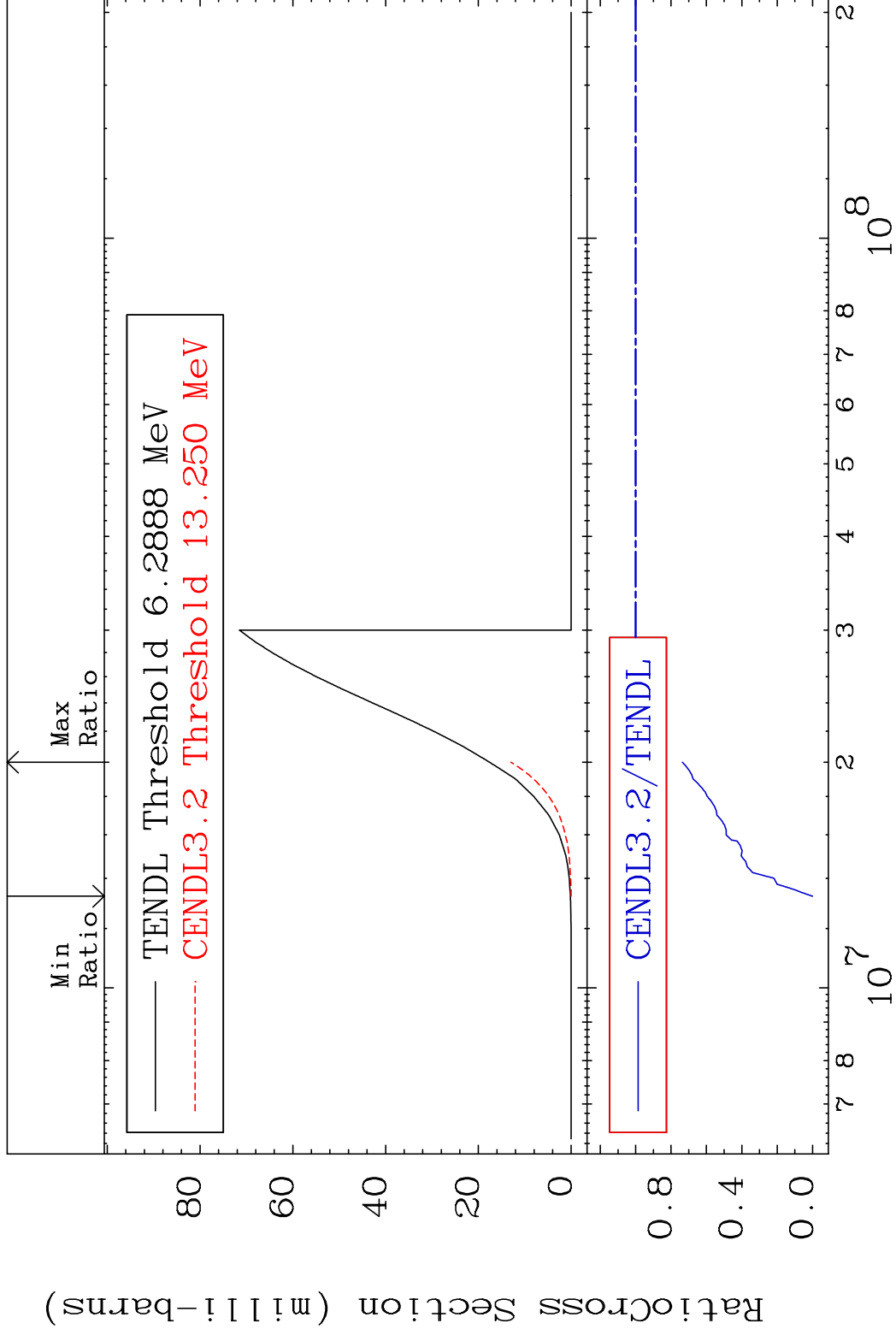
72-Hf-174

MAT 7225

(n, n') p

72-Hf-174

Cross Section -100.0 To -26.39%

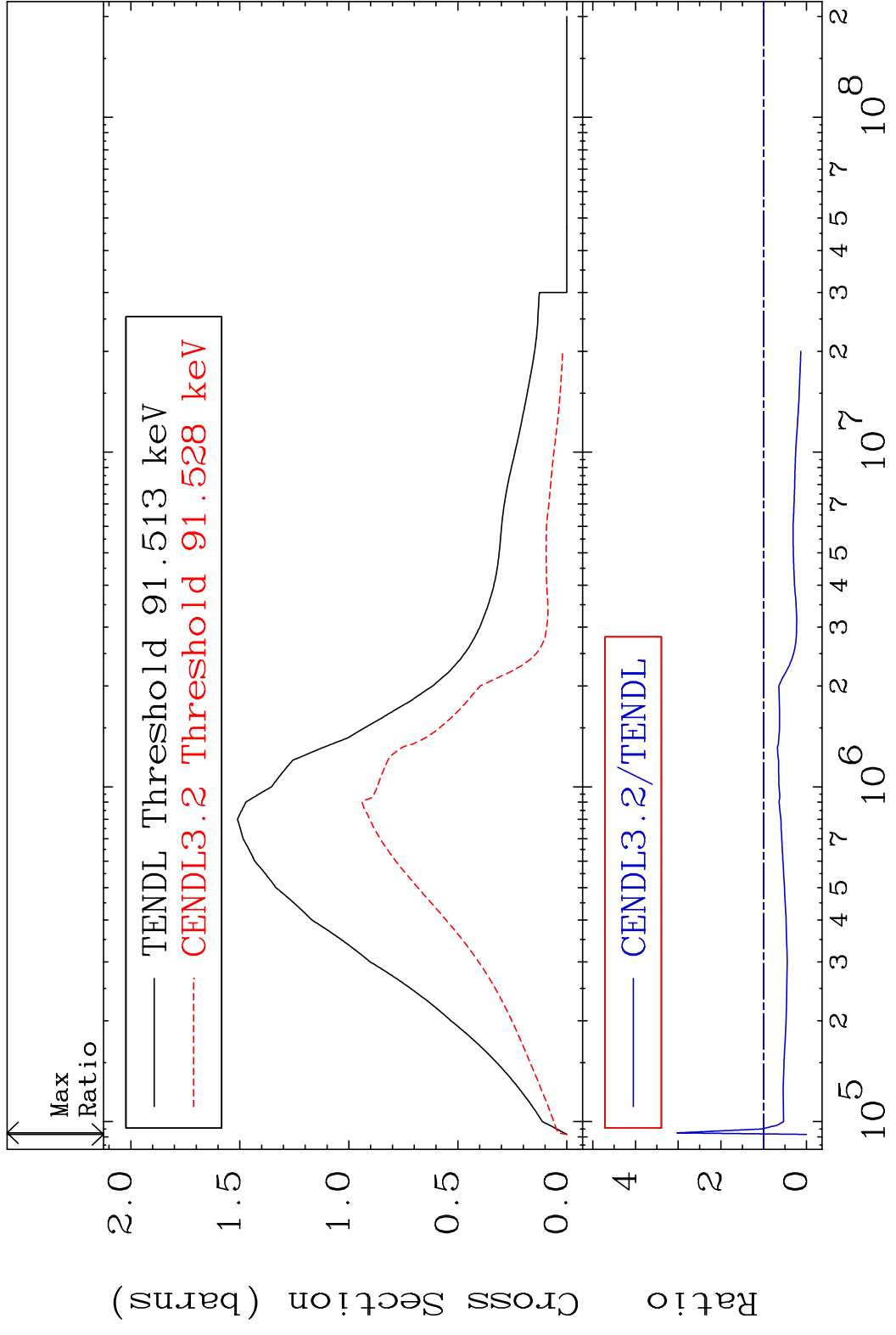


7

Incident Energy (eV)

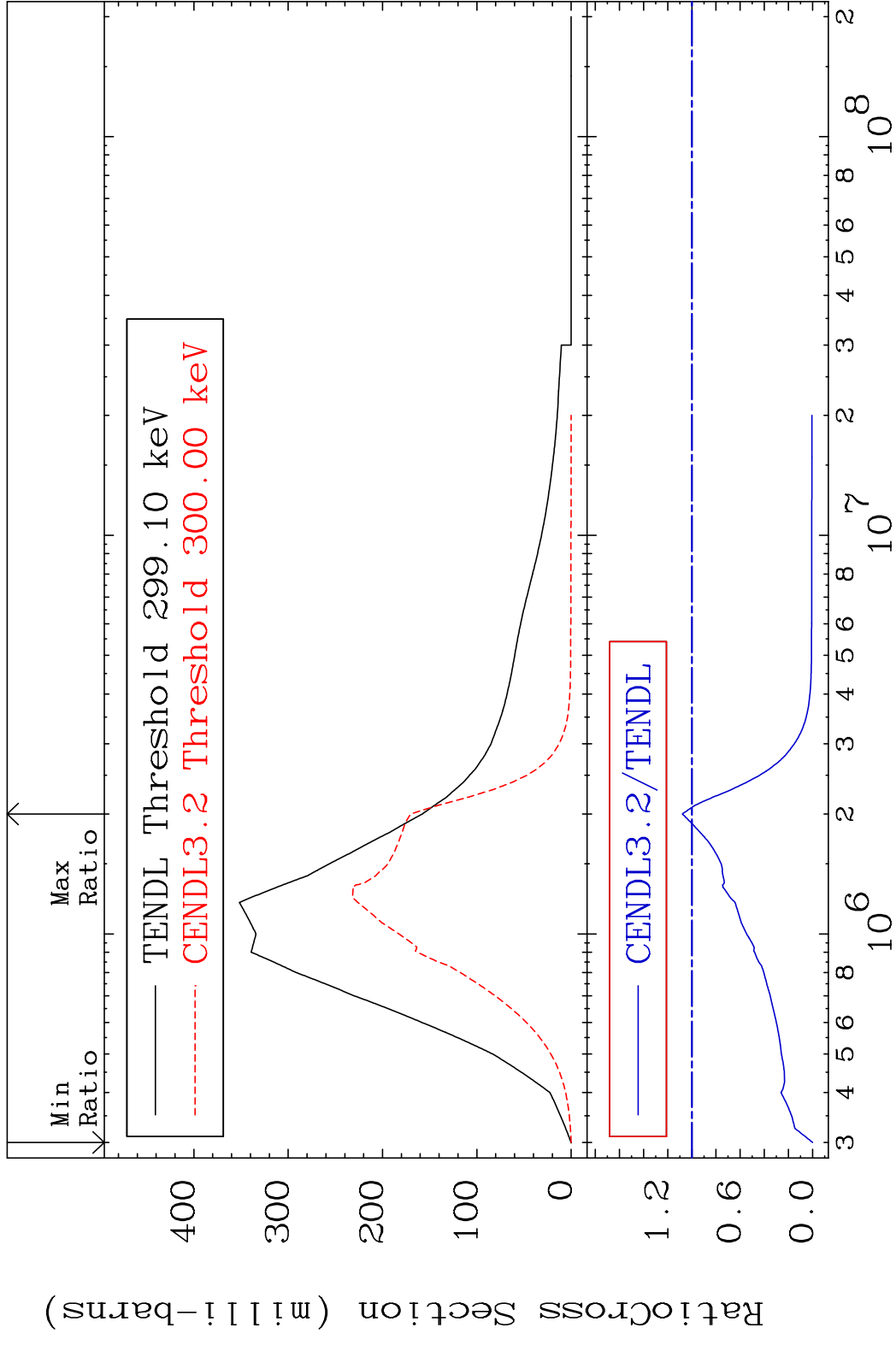
72-Hf-174

MAT 7225 MT= 51 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 202.4 %

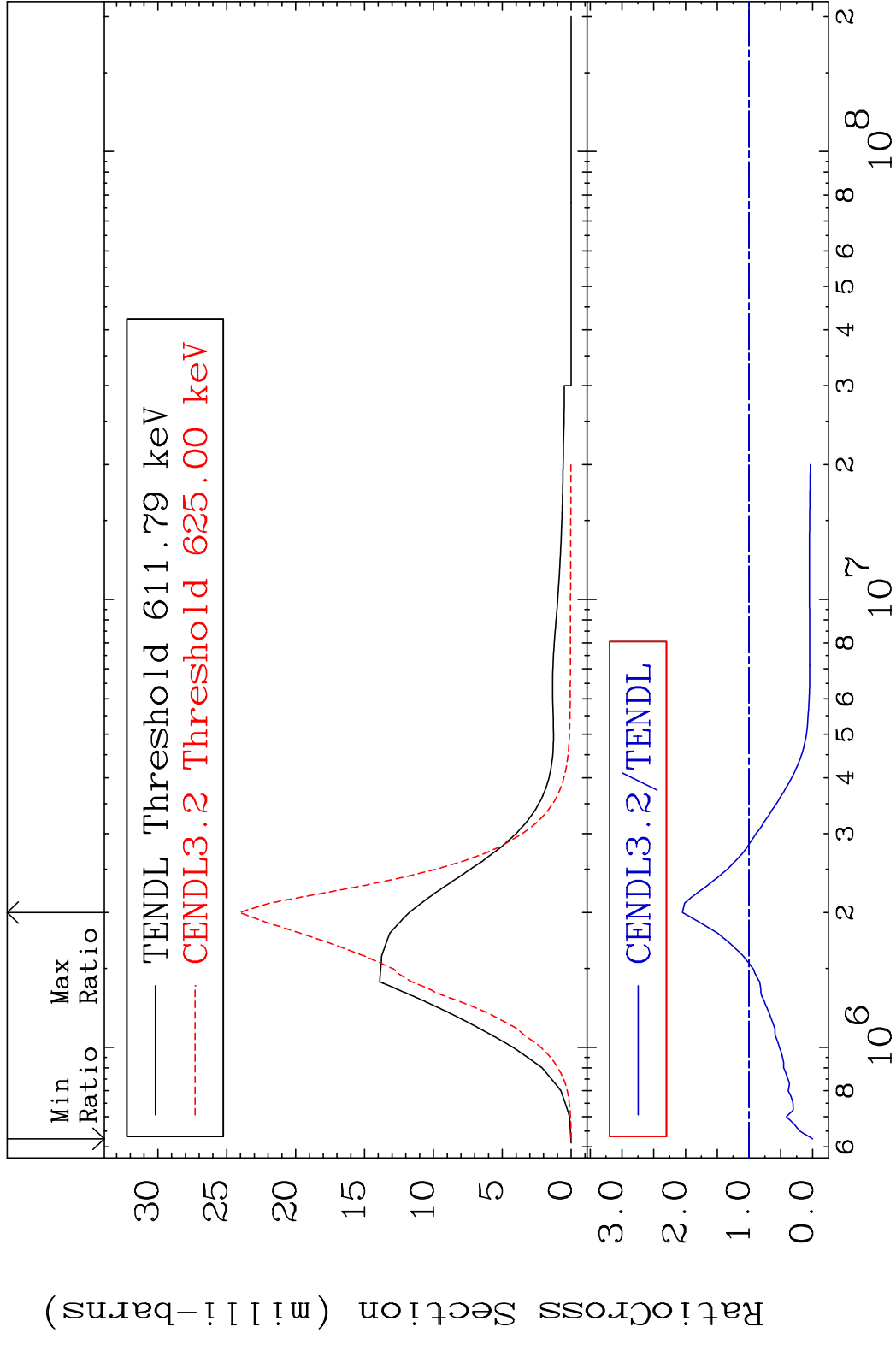


8 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 52 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 7.898 %

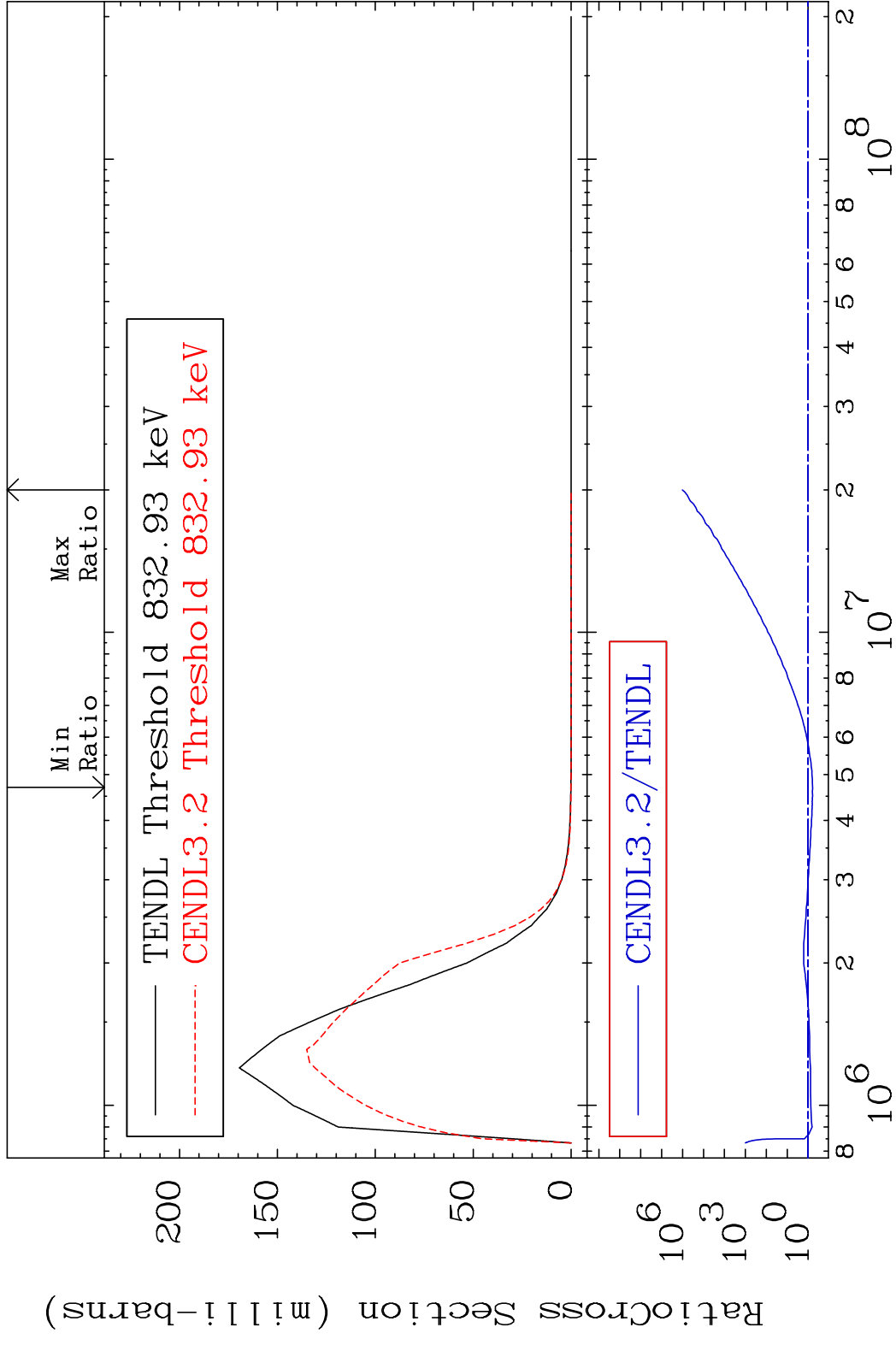


MAT 7225 MT= 53 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 104.9 %

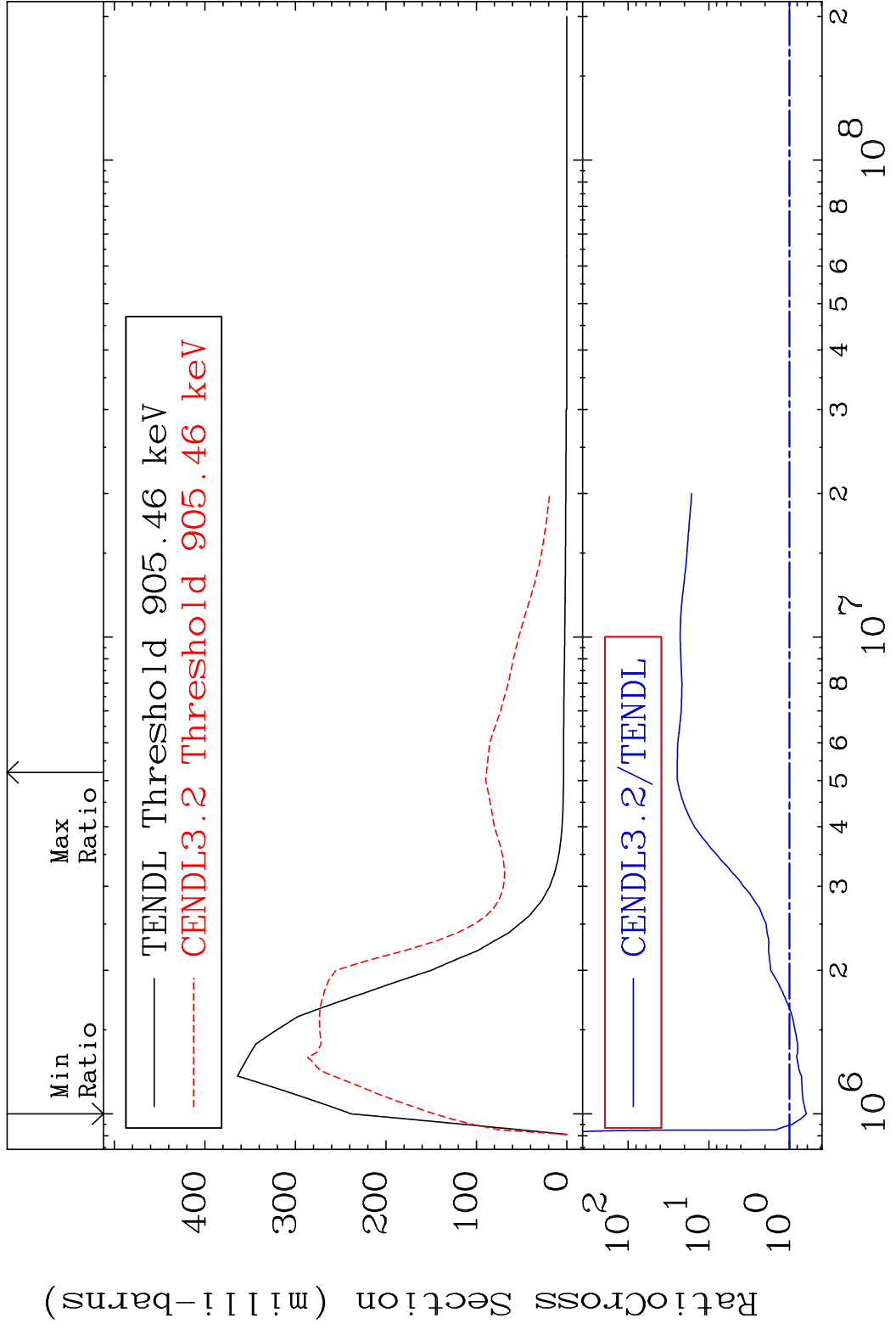


10 Incident Energy (eV) 72-Hf-174

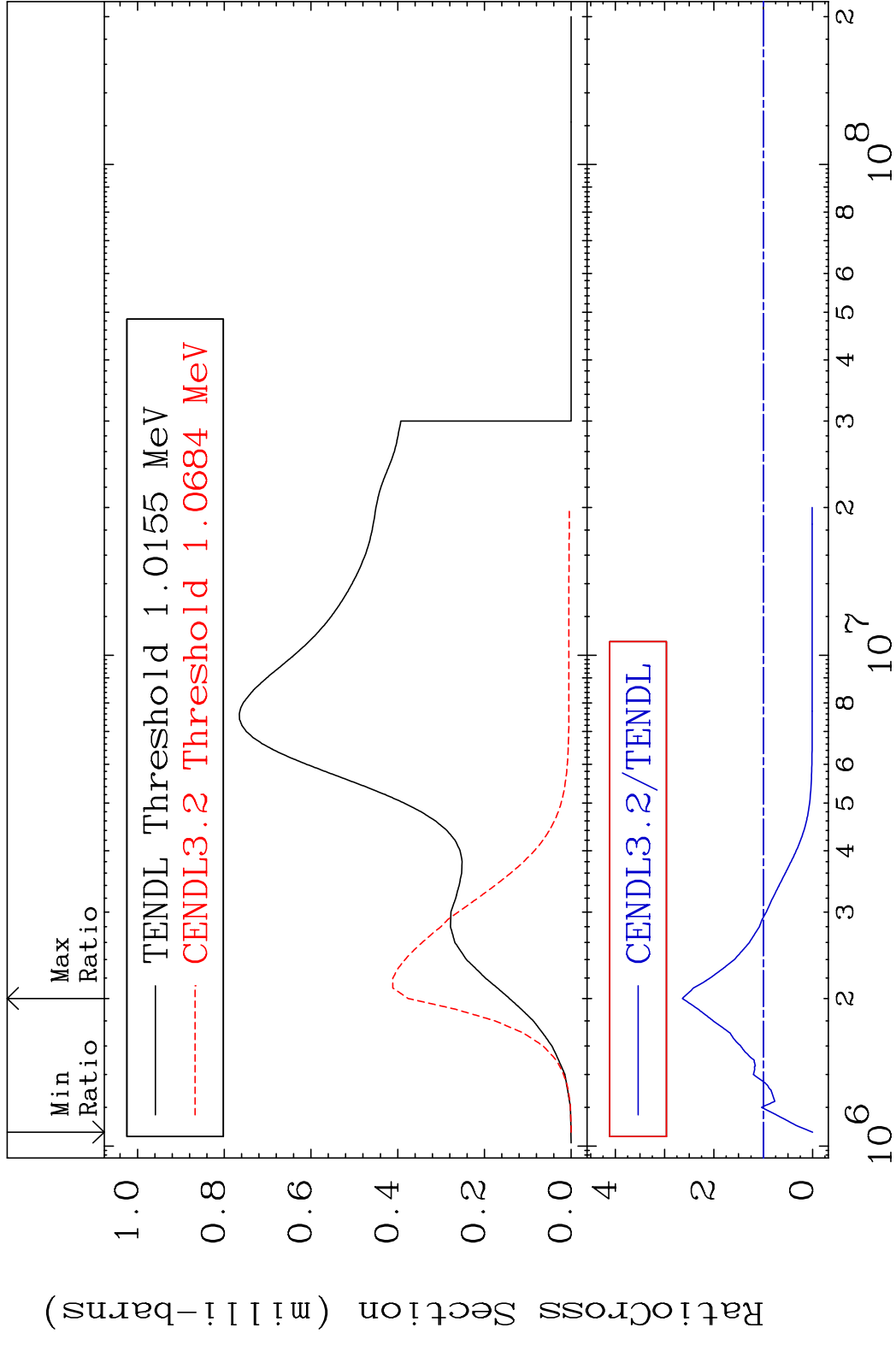
MAT 7225 MT= 54 (n, n') Level 72-Hf-174
 Cross Section -38.53 To 9999. %



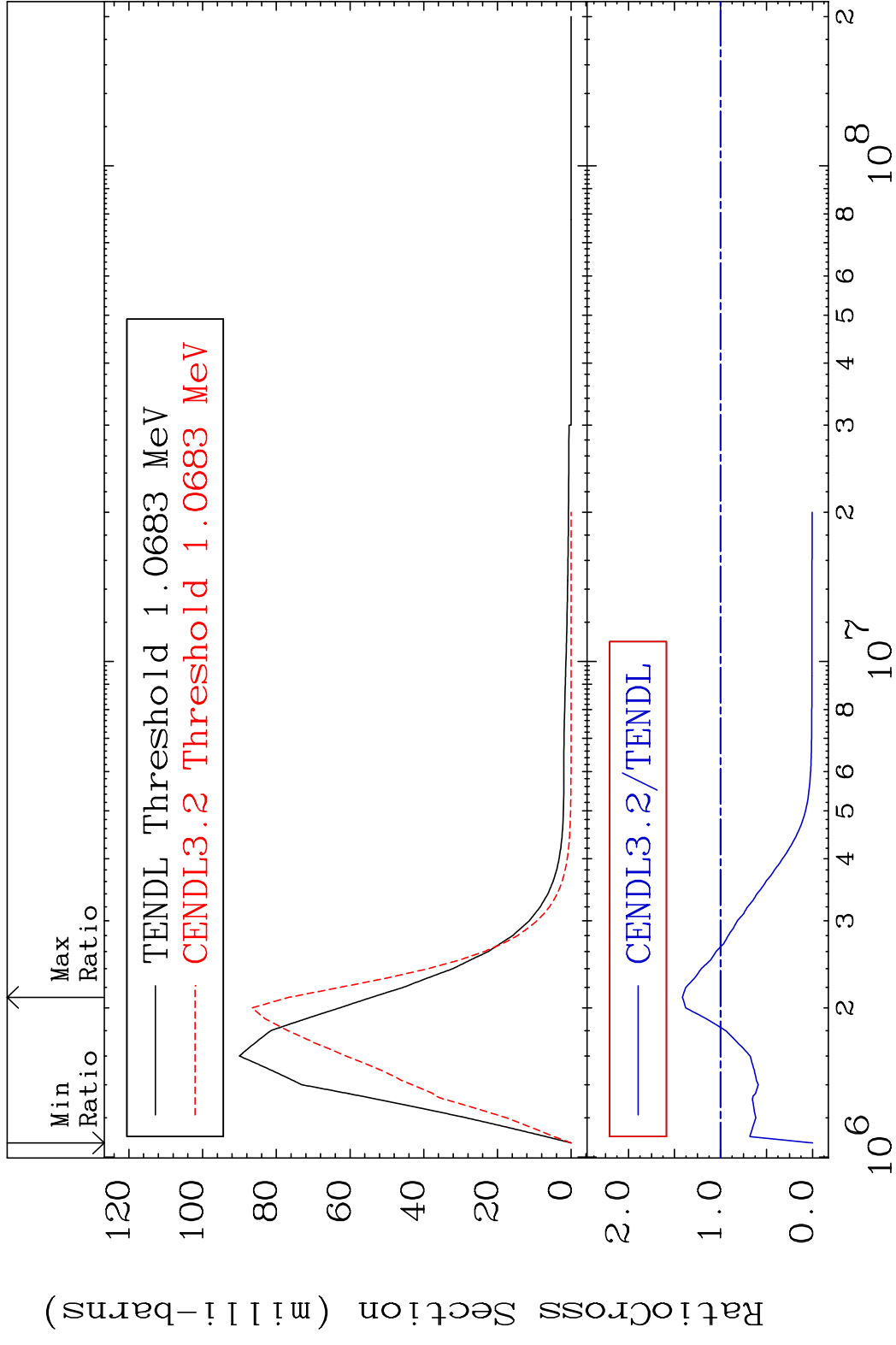
MAT 7225 MT= 55 (n,n') Level 72-Hf-174
 Cross Section -38.47 To 2367. %



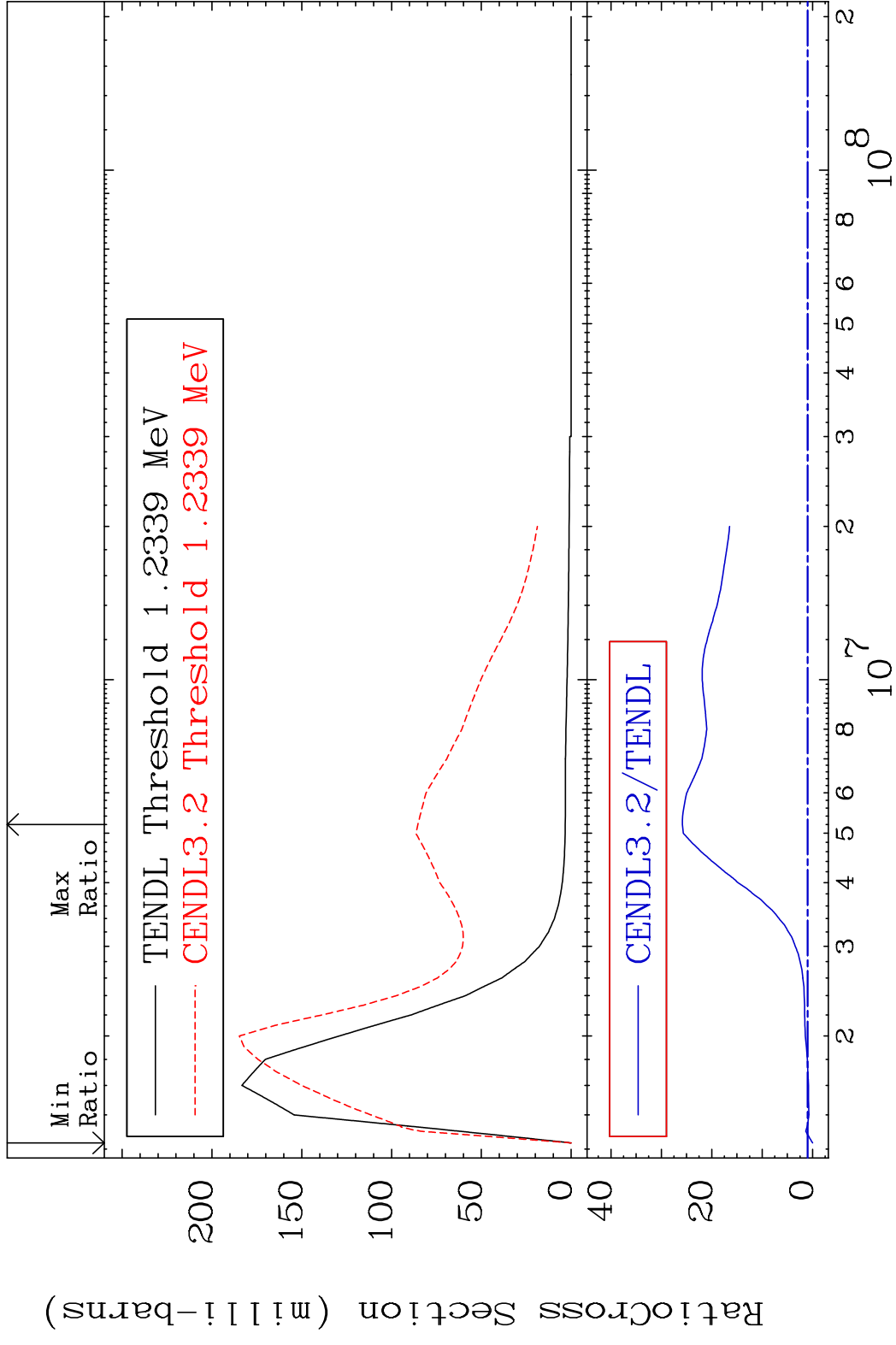
MAT 7225 MT= 56 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 164.1 %



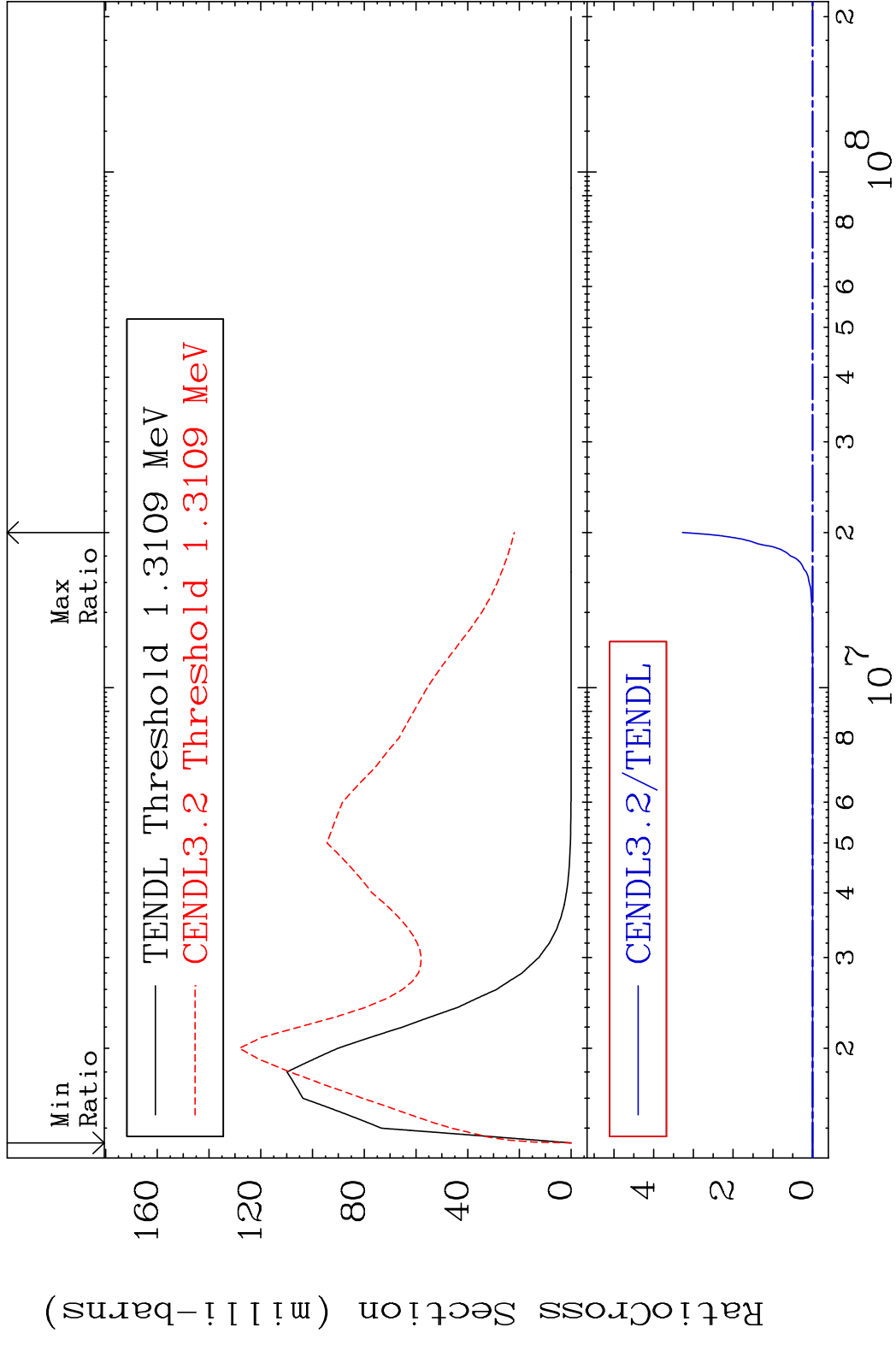
MAT 7225 MT= 57 (n,n') Level 72-Hf-174
 Cross Section -100.0 To 41.48 %



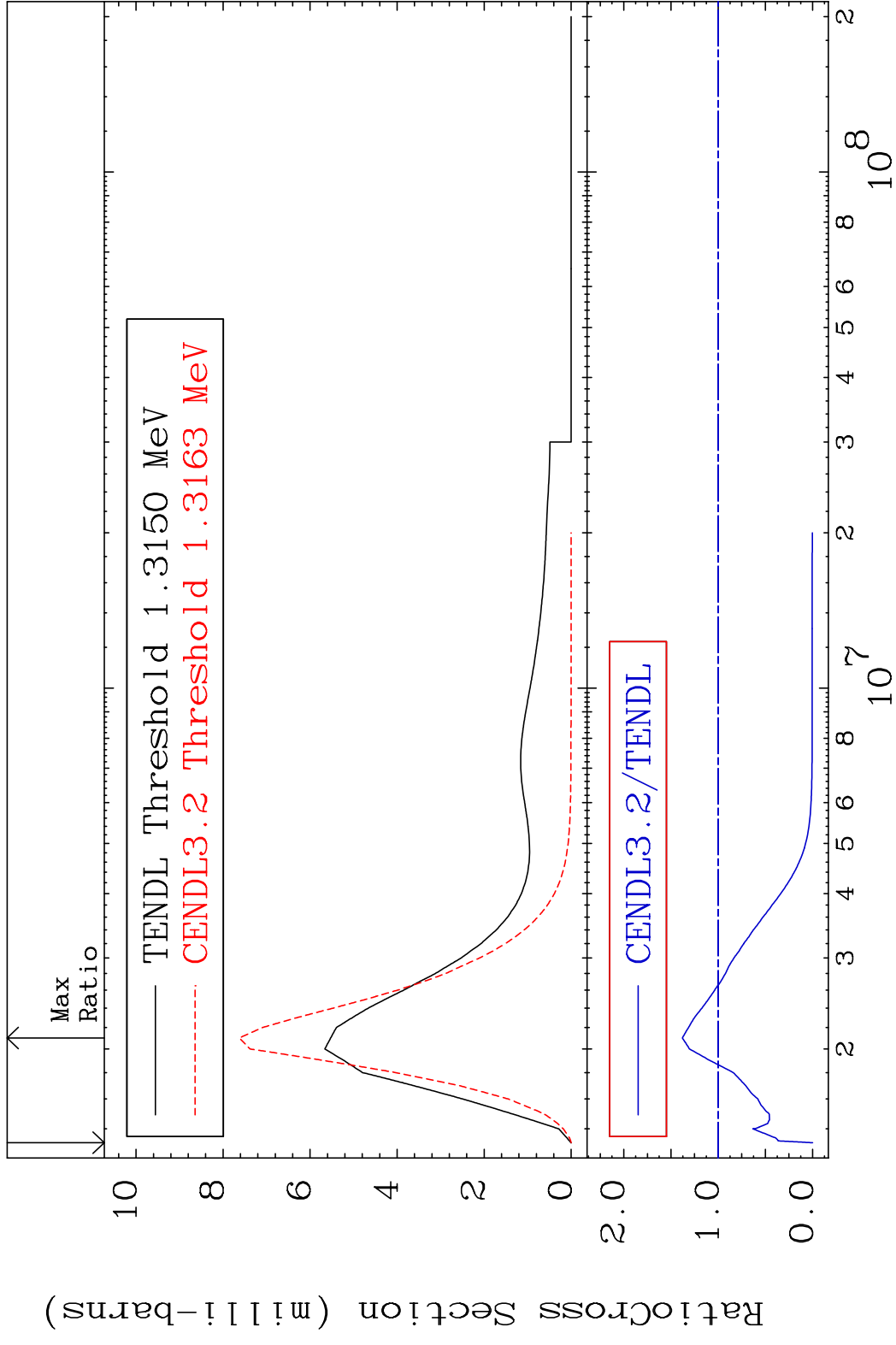
MAT 7225 MT= 58 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 2483. %



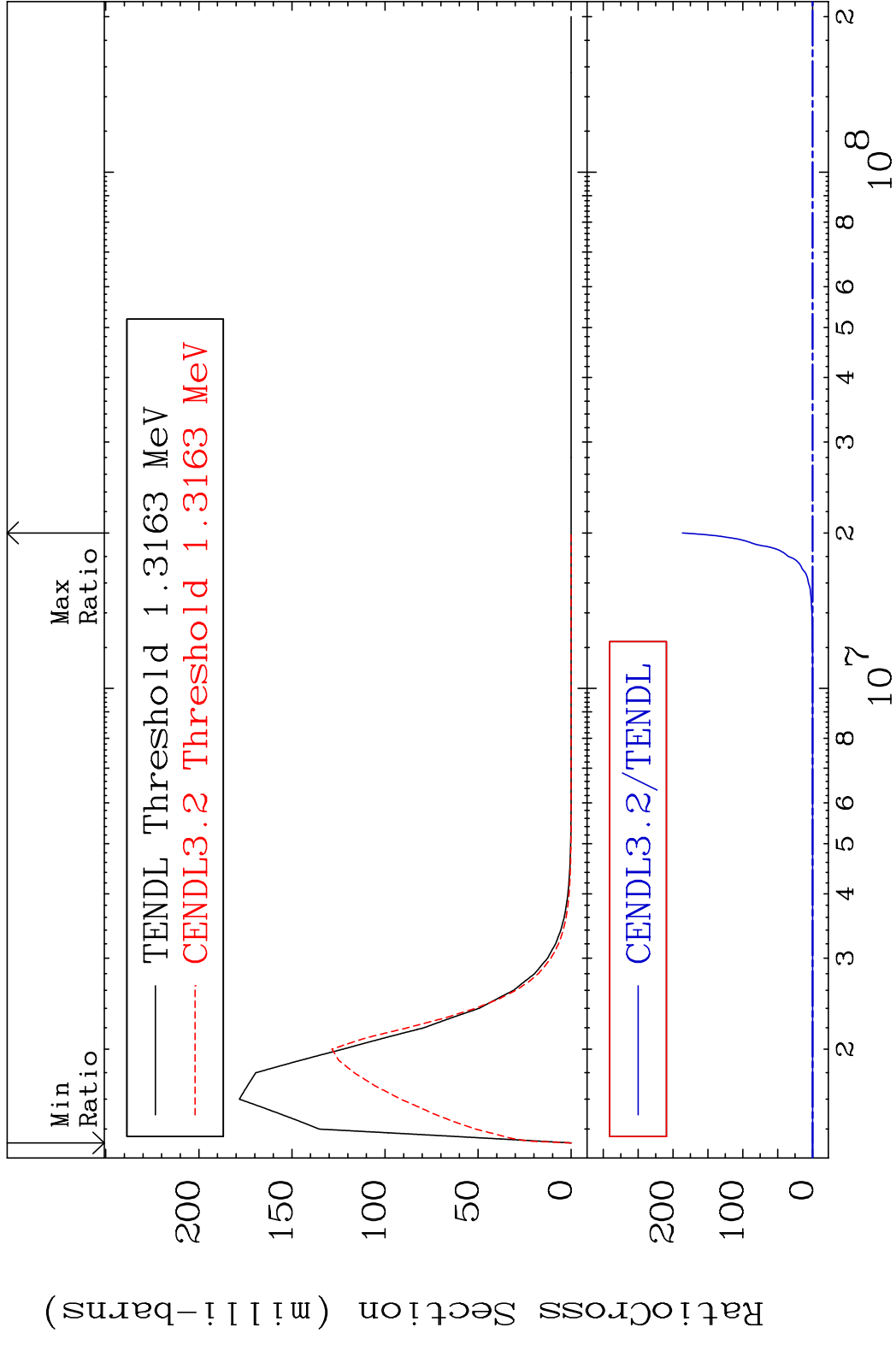
MAT 7225 MT= 59 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



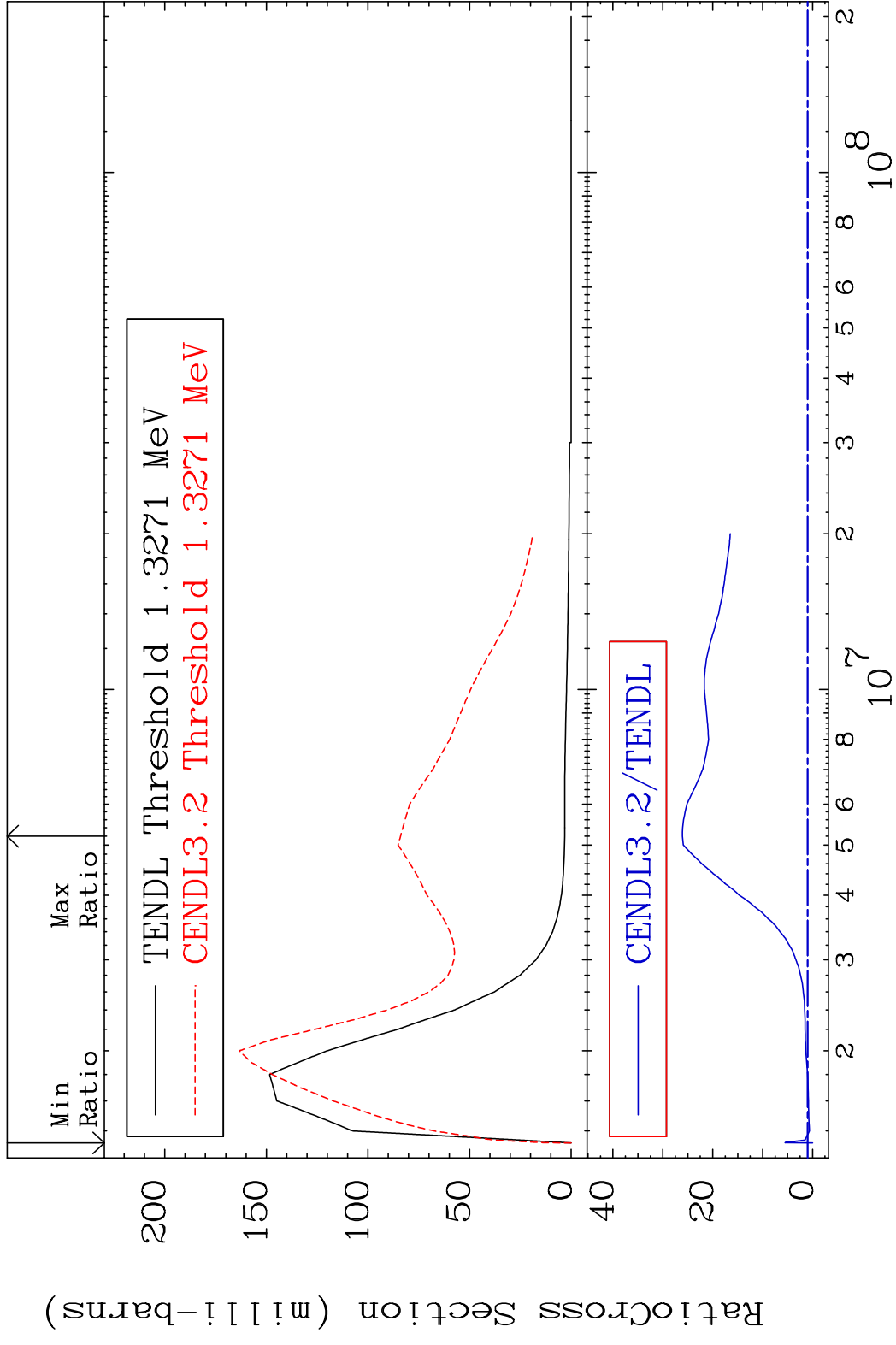
MAT 7225 MT= 60 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 37.95 %



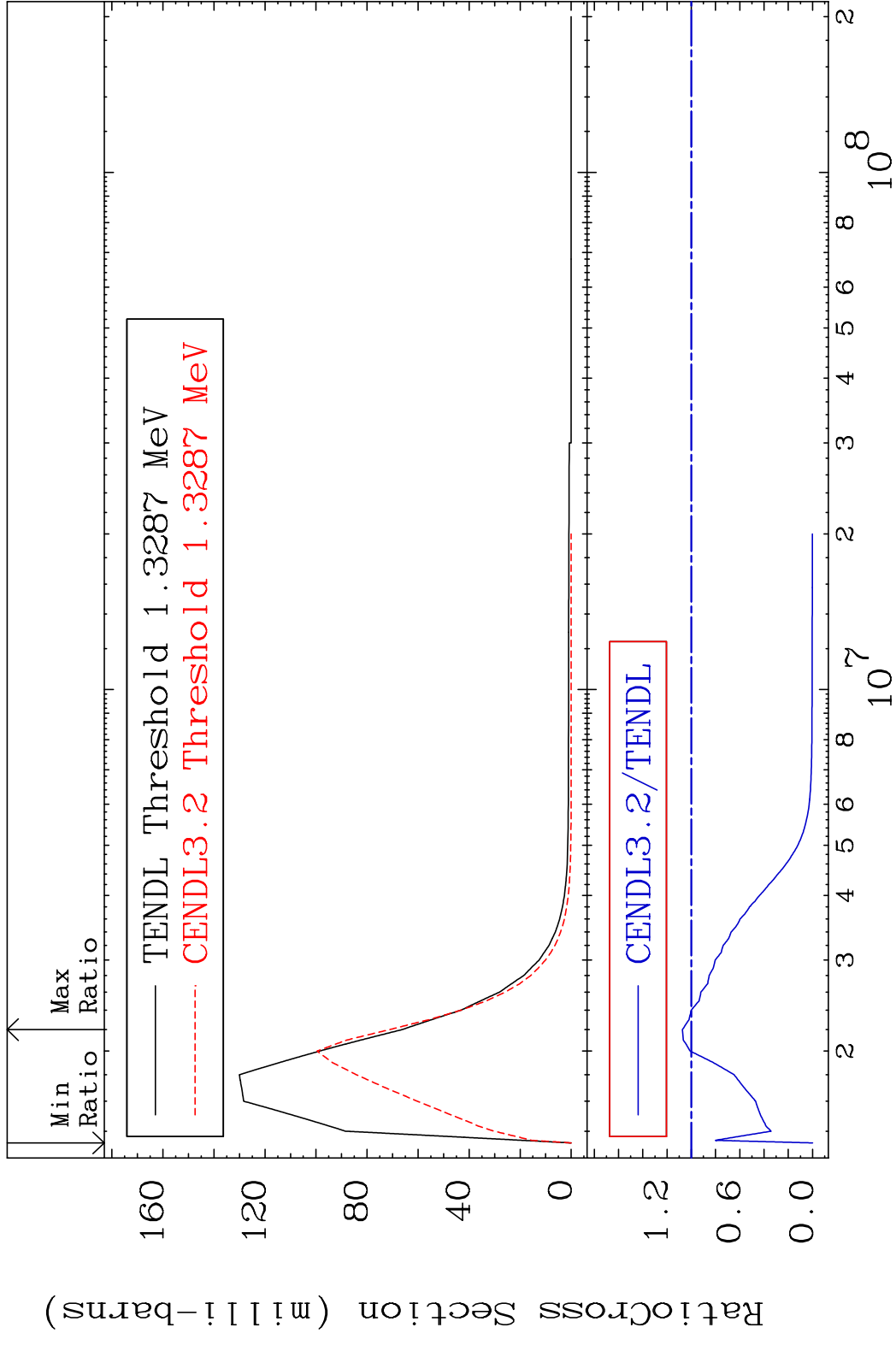
MAT 7225 MT= 61 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



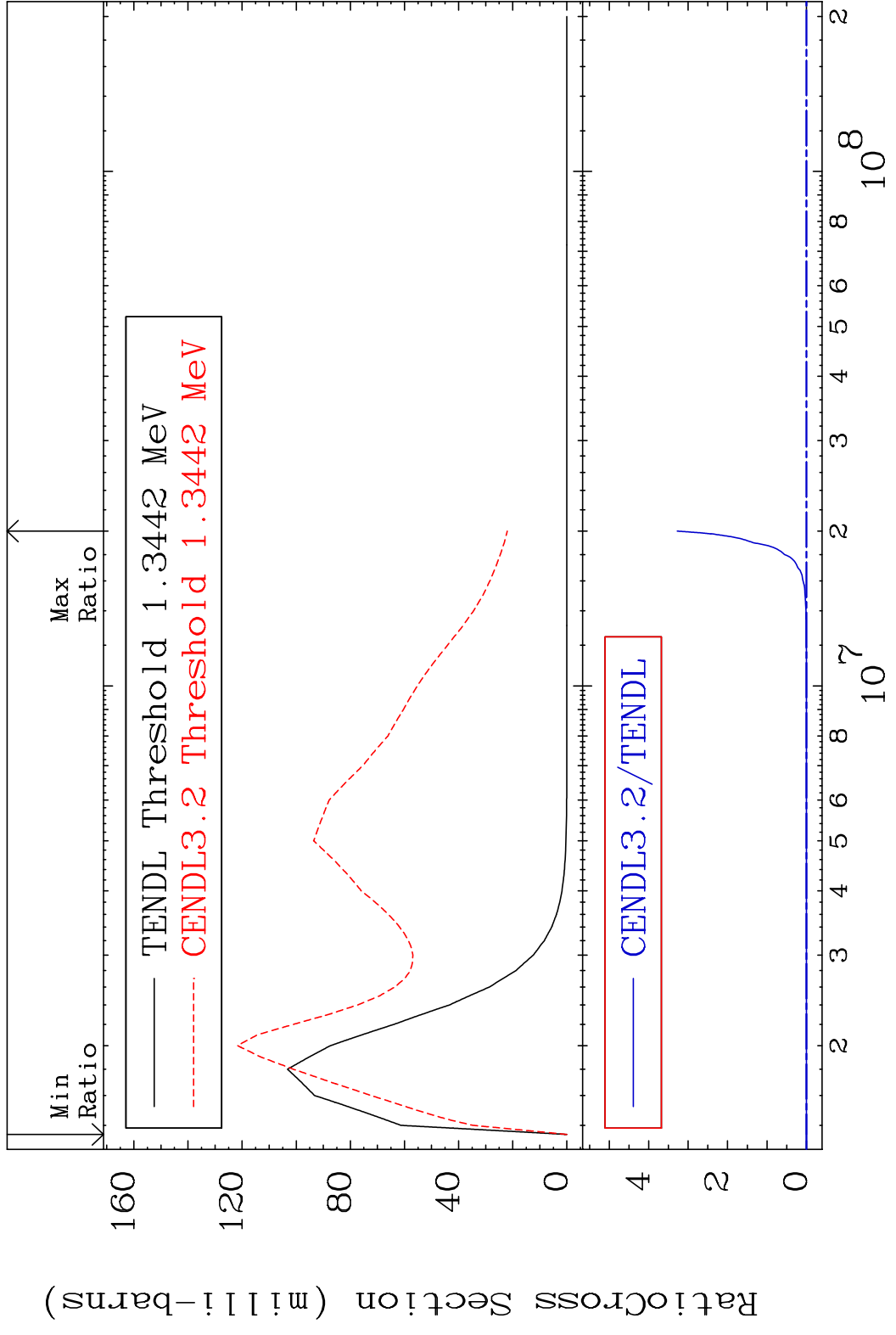
MAT 7225 MT= 62 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 2509. %



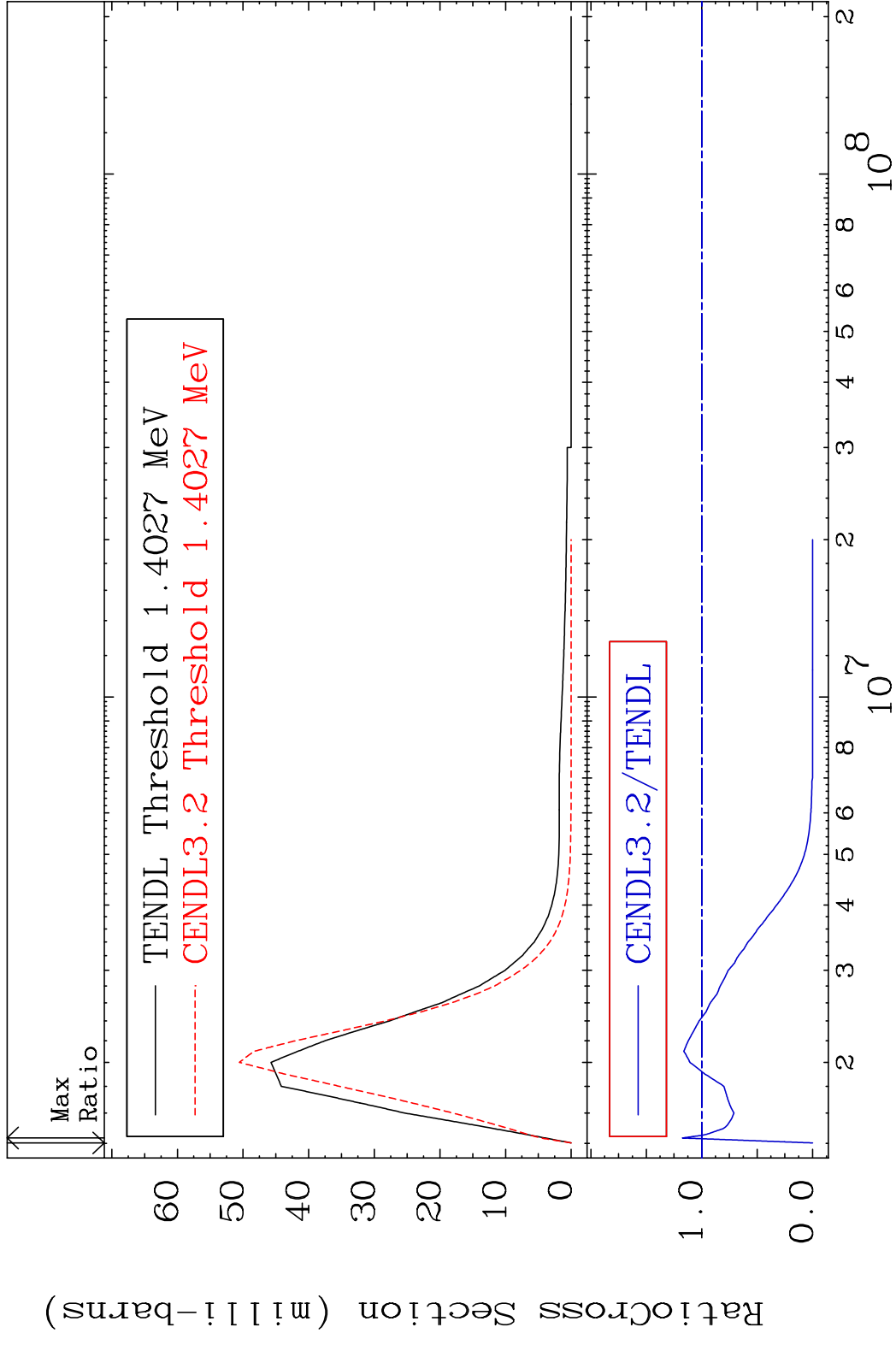
MAT 7225 MT= 63 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 7.378 %



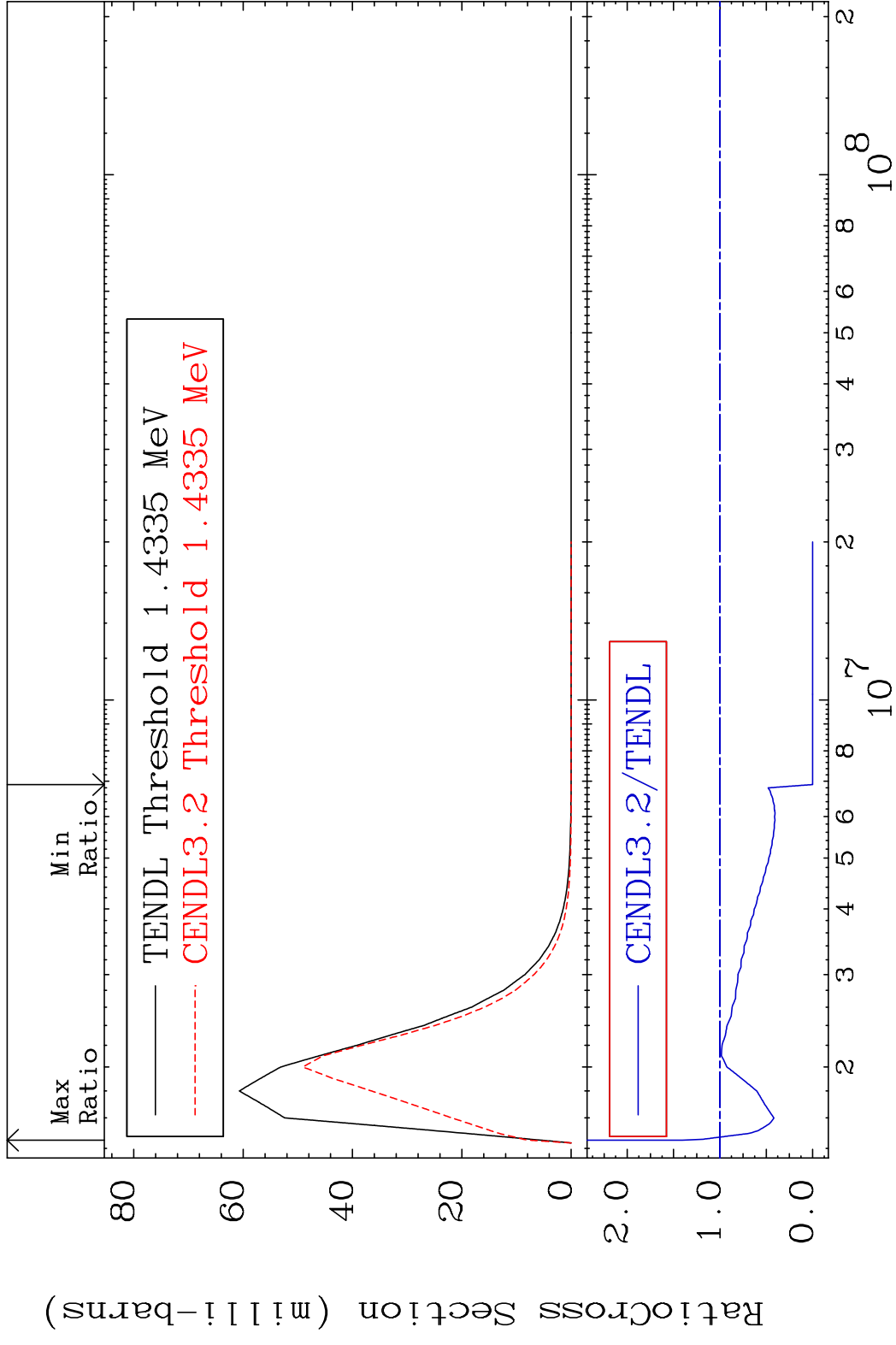
MAT 7225 MT= 64 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



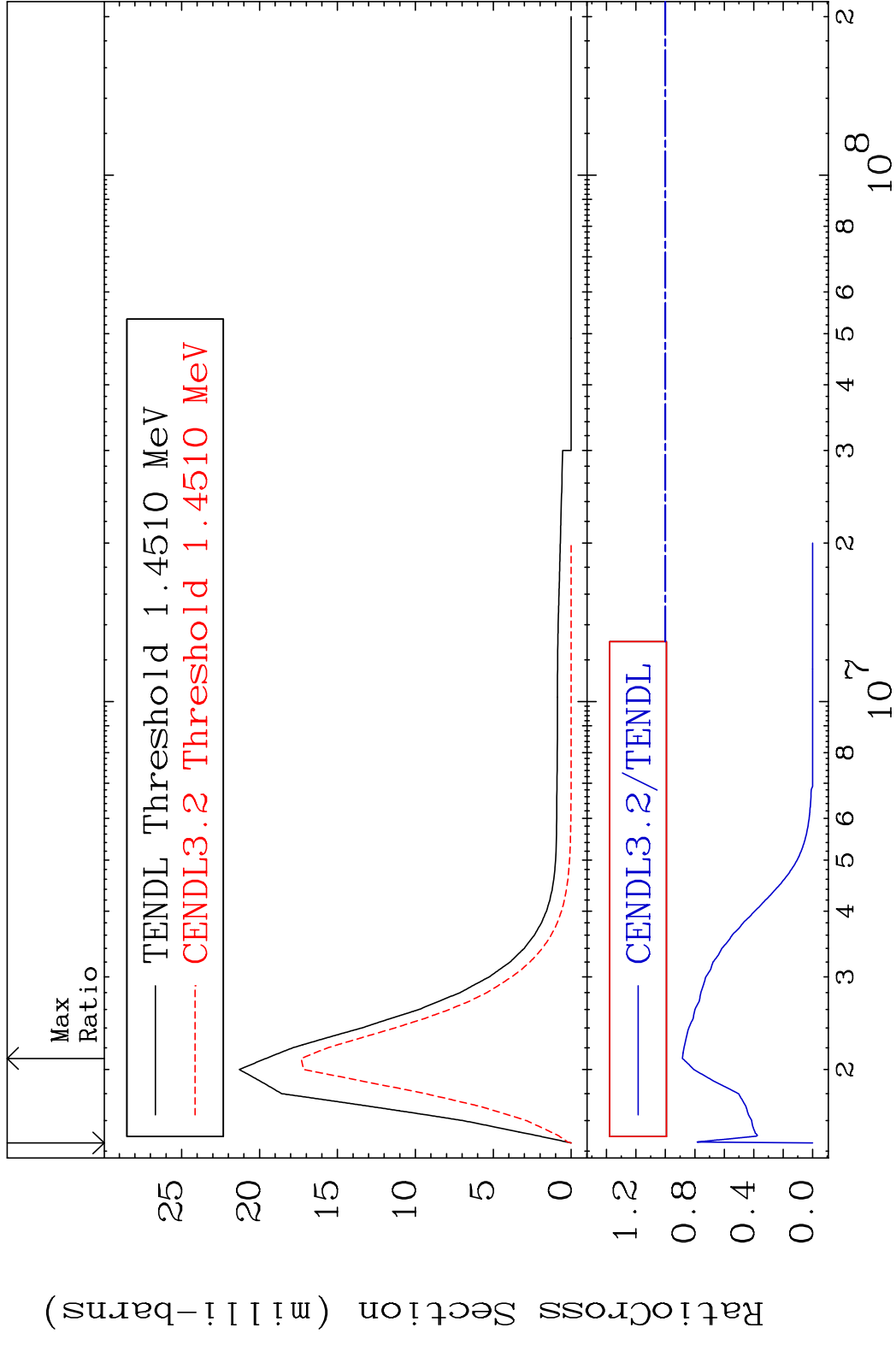
MAT 7225 MT= 65 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 17.45 %



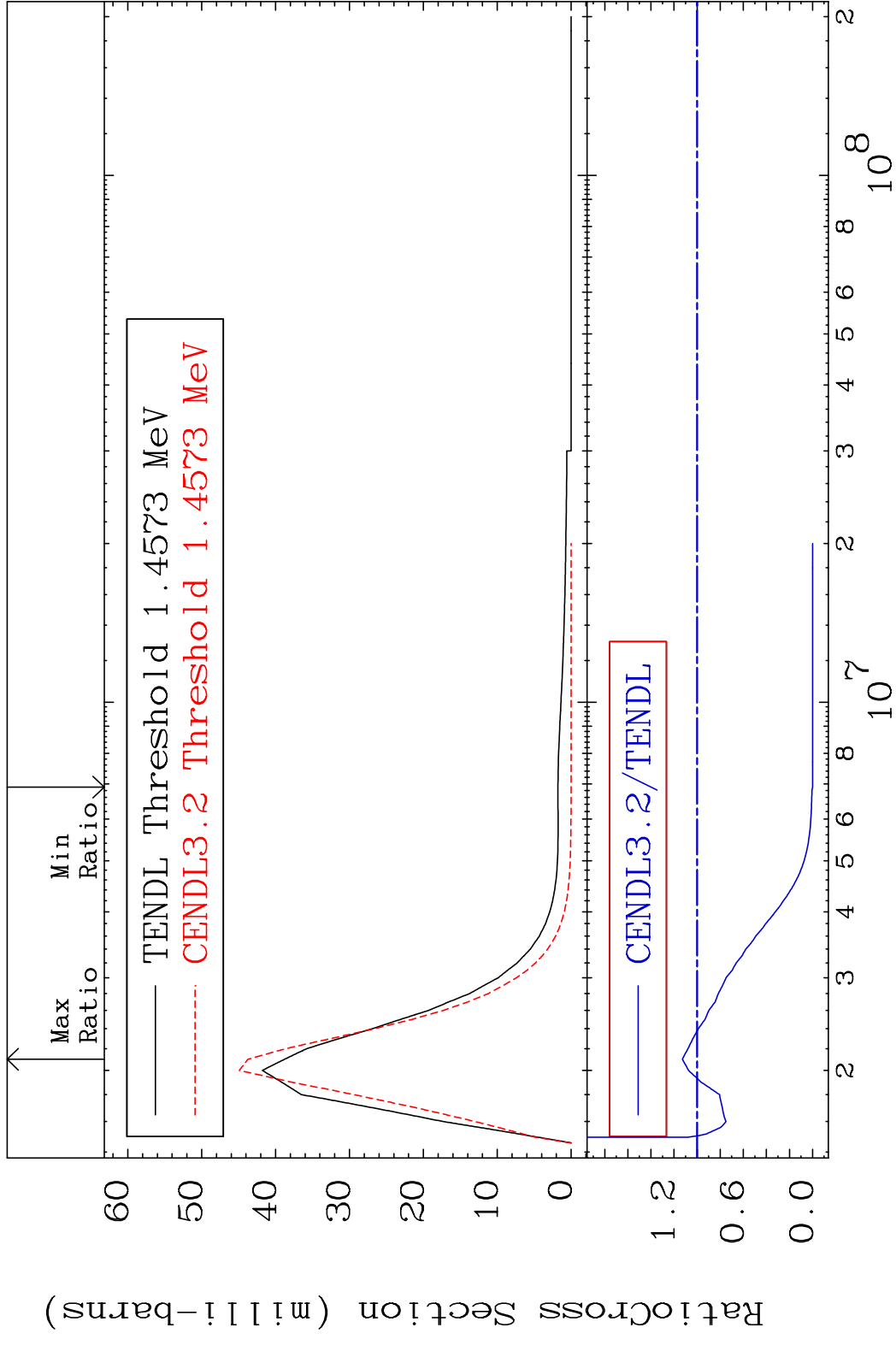
MAT 7225 MT= 66 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 40.53 %



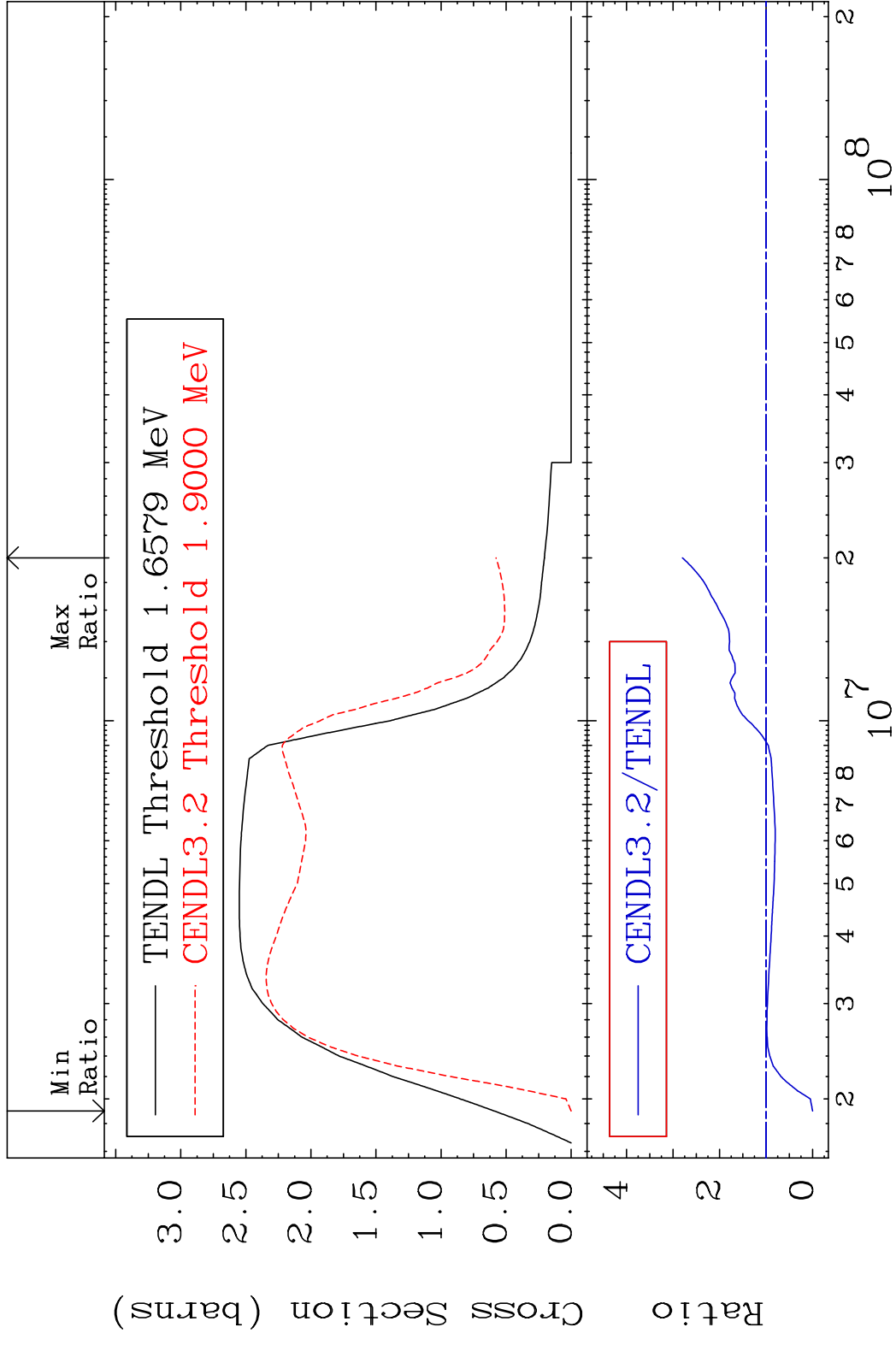
MAT 7225 MT= 67 (n, n') Level 72-Hf-174
 Cross Section -100.0 To -11.52%



MAT 7225 MT= 68 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 12.78 %



MAT 7225 (n, n') Continuum 72-Hf-174
 Cross Section -100.0 To 180.0 %

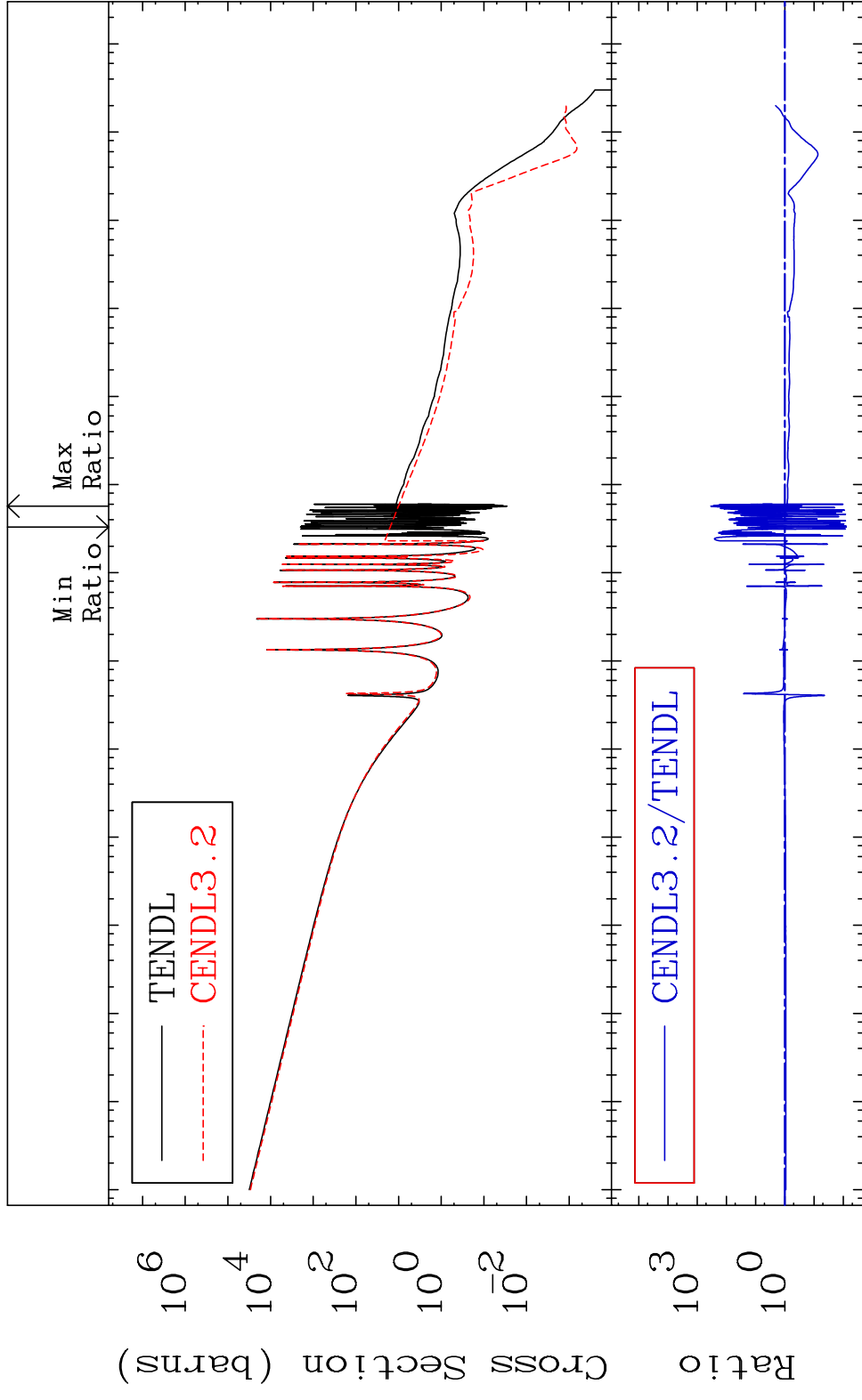


MAT 7225

72-Hf-174

(n, γ)

Cross Section -99.21 To 9999. %

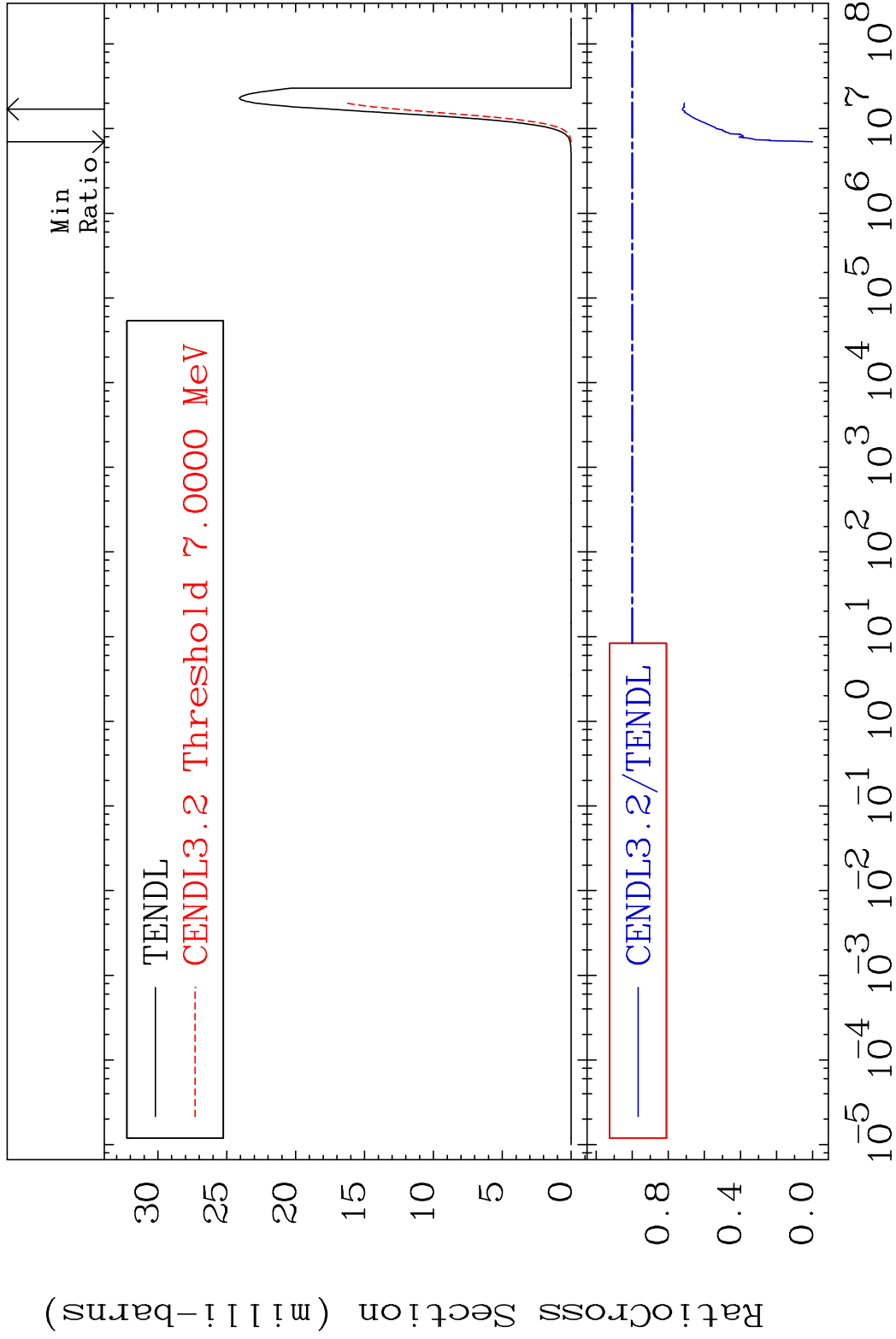


MAT 7225

(n, p)

72-Hf-174

Cross Section -100.0 To -27.78%



28

Incident Energy (eV)

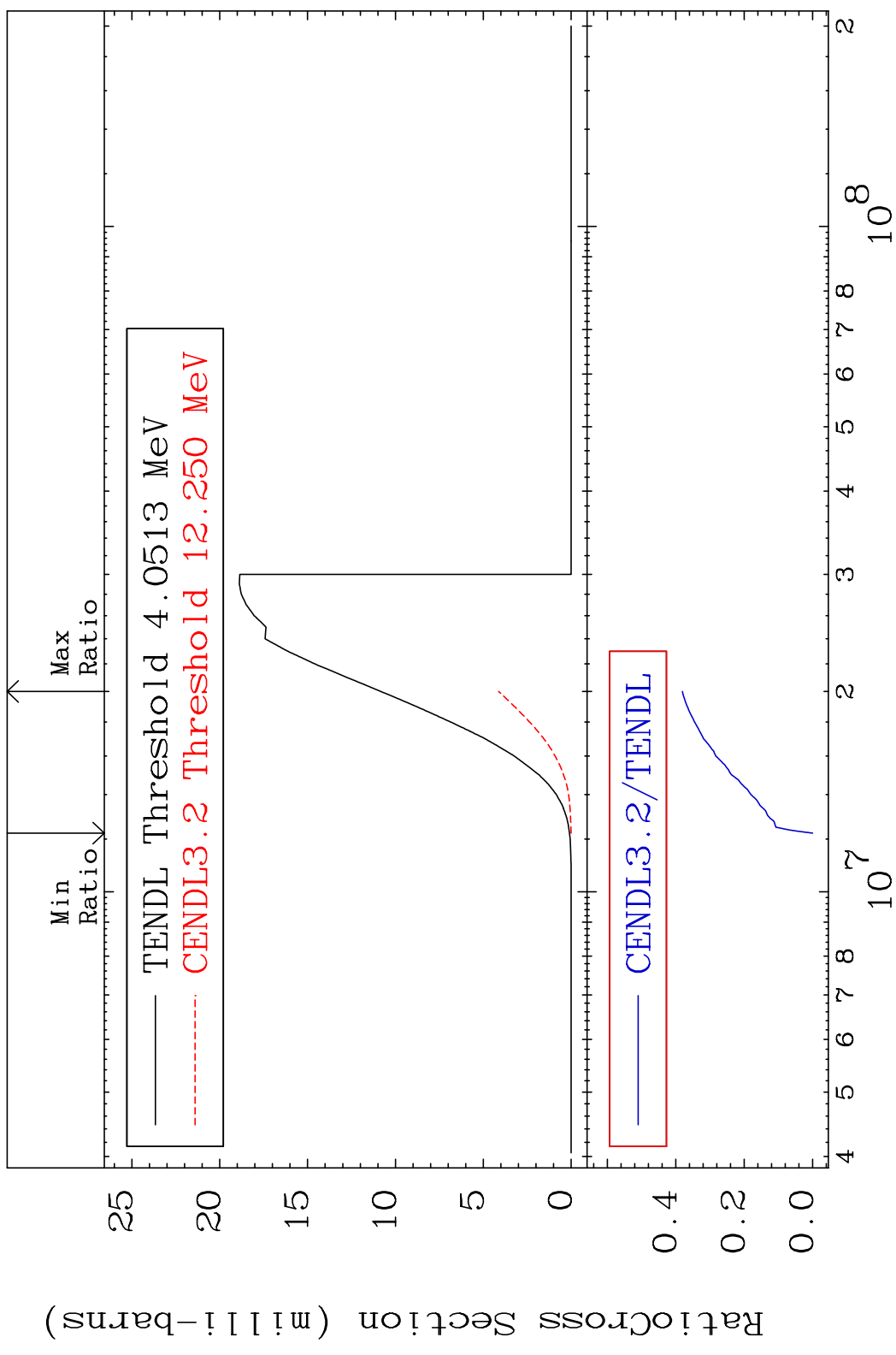
72-Hf-174

MAT 7225

(n, d)

72-Hf-174

Cross Section -100.0 To -61.92%

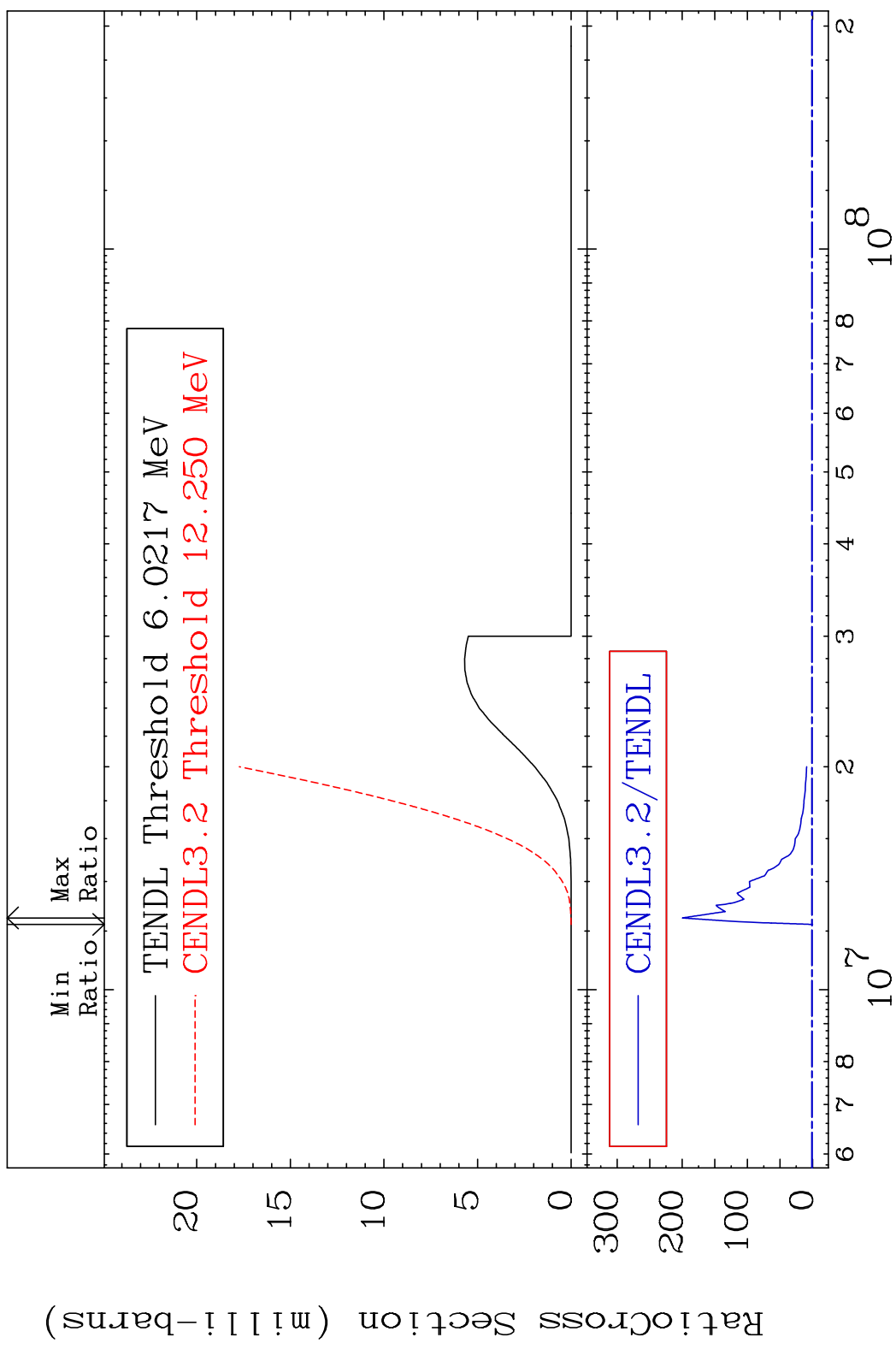


MAT 7225

(n, t)

72-Hf-174

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

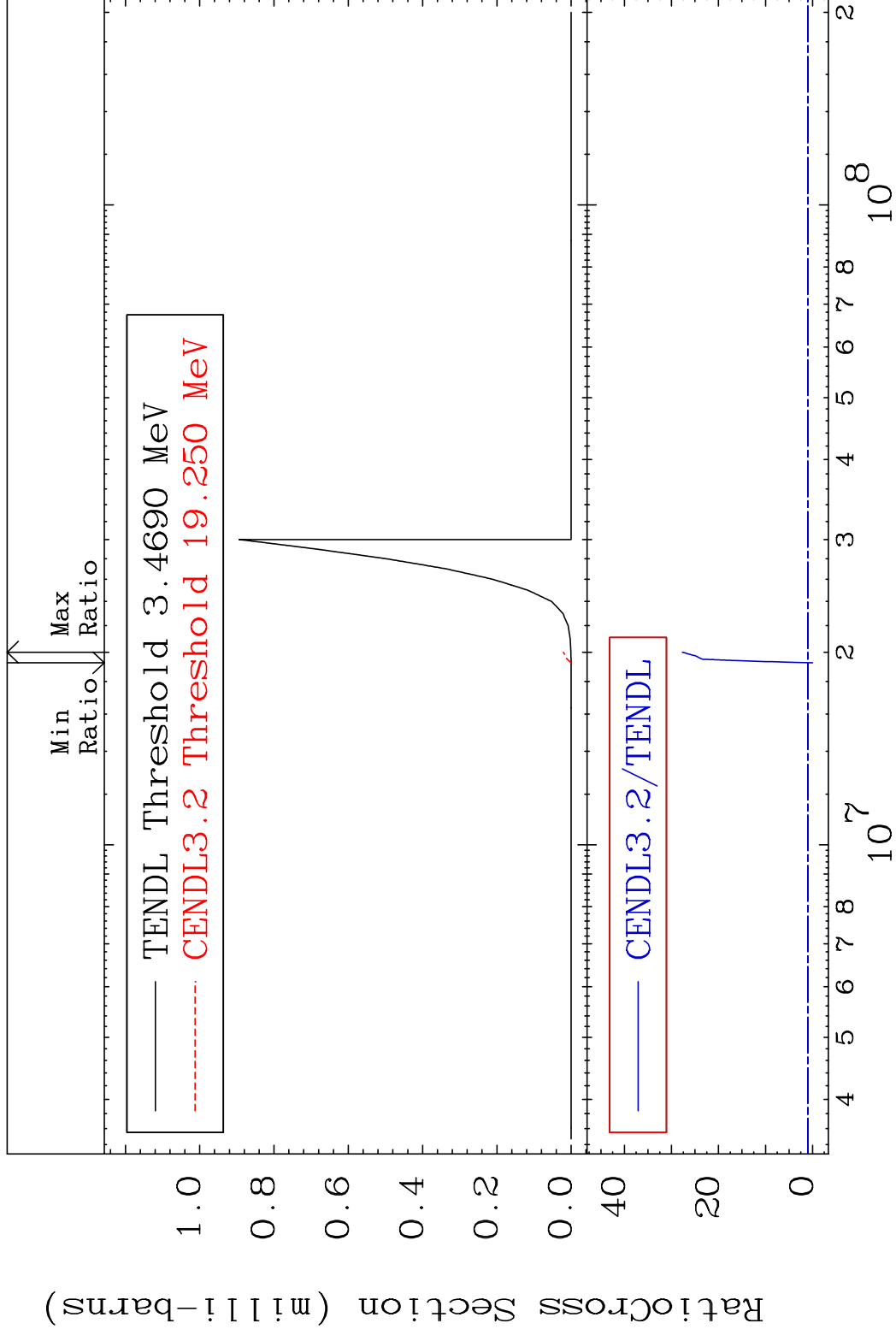
72-Hf-174

MAT 7225

(n, He-3)

72-Hf-174

Cross Section -100.0 To 2669. %



31

Incident Energy (eV)

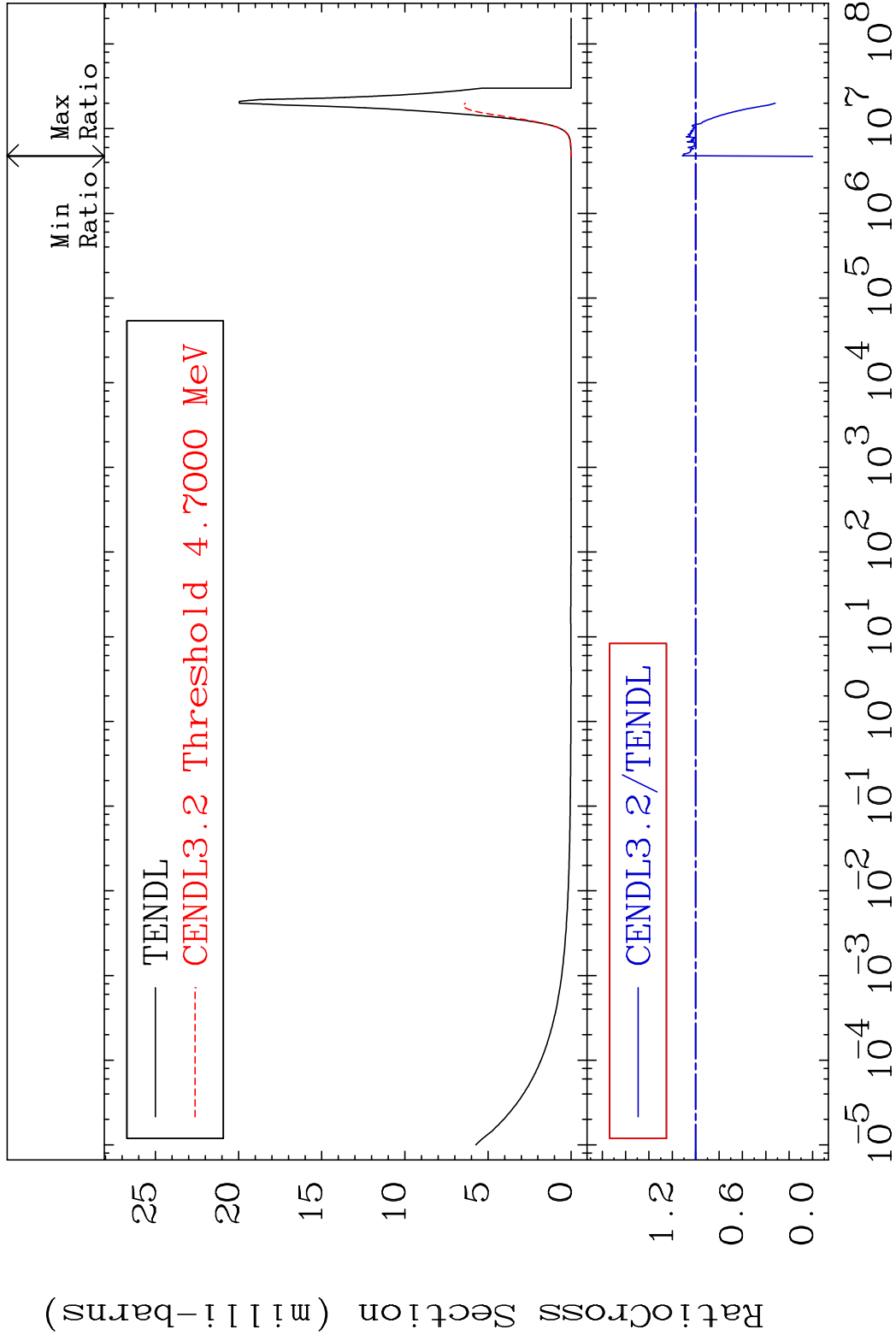
72-Hf-174

MAT 7225

(n, α)

72-Hf-174

Cross Section -100.0 To 11.43 %



32

Incident Energy (eV)

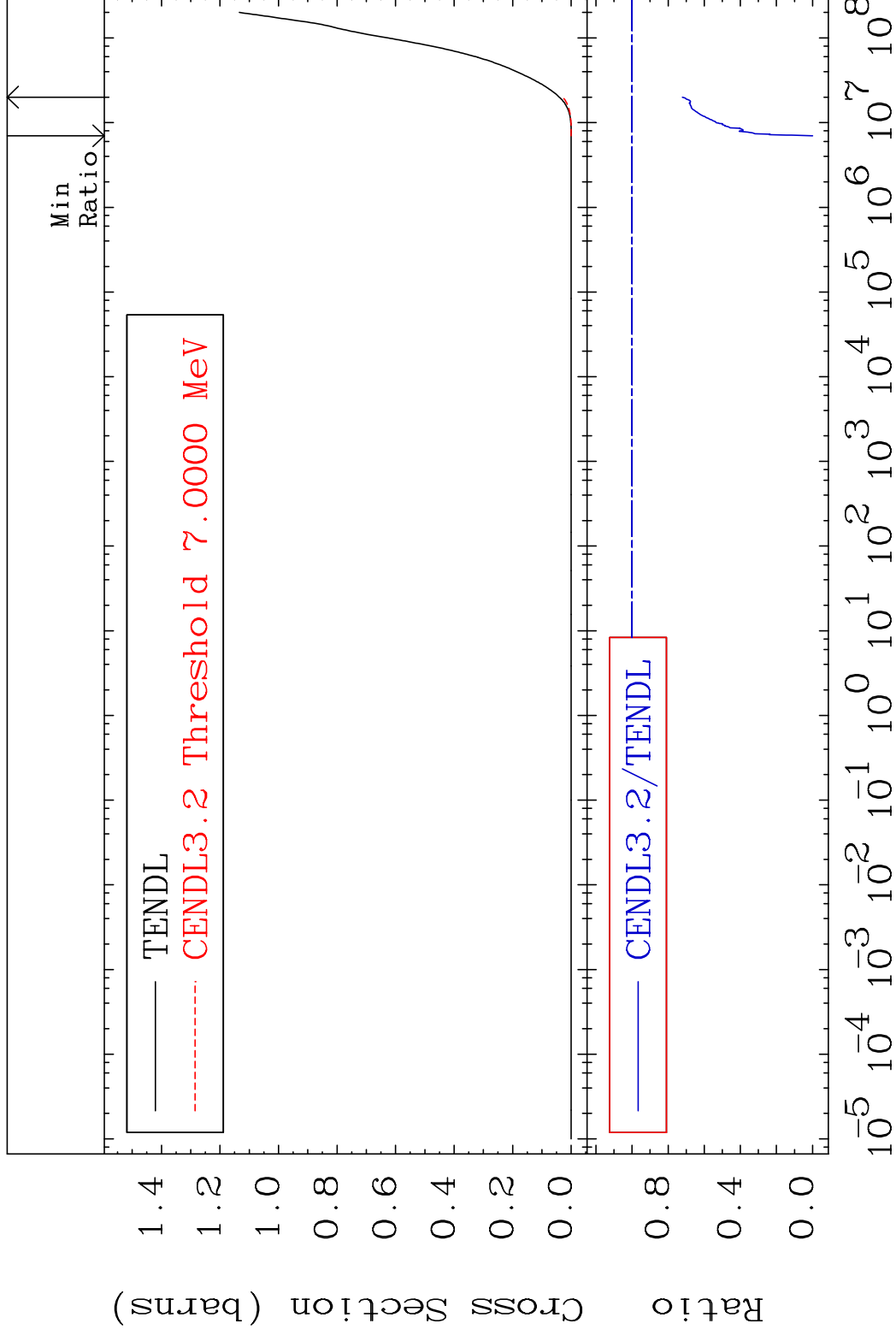
72-Hf-174

MAT 7225

Hydrogen Production

72-Hf-174

Cross Section -100.0 To -27.87%

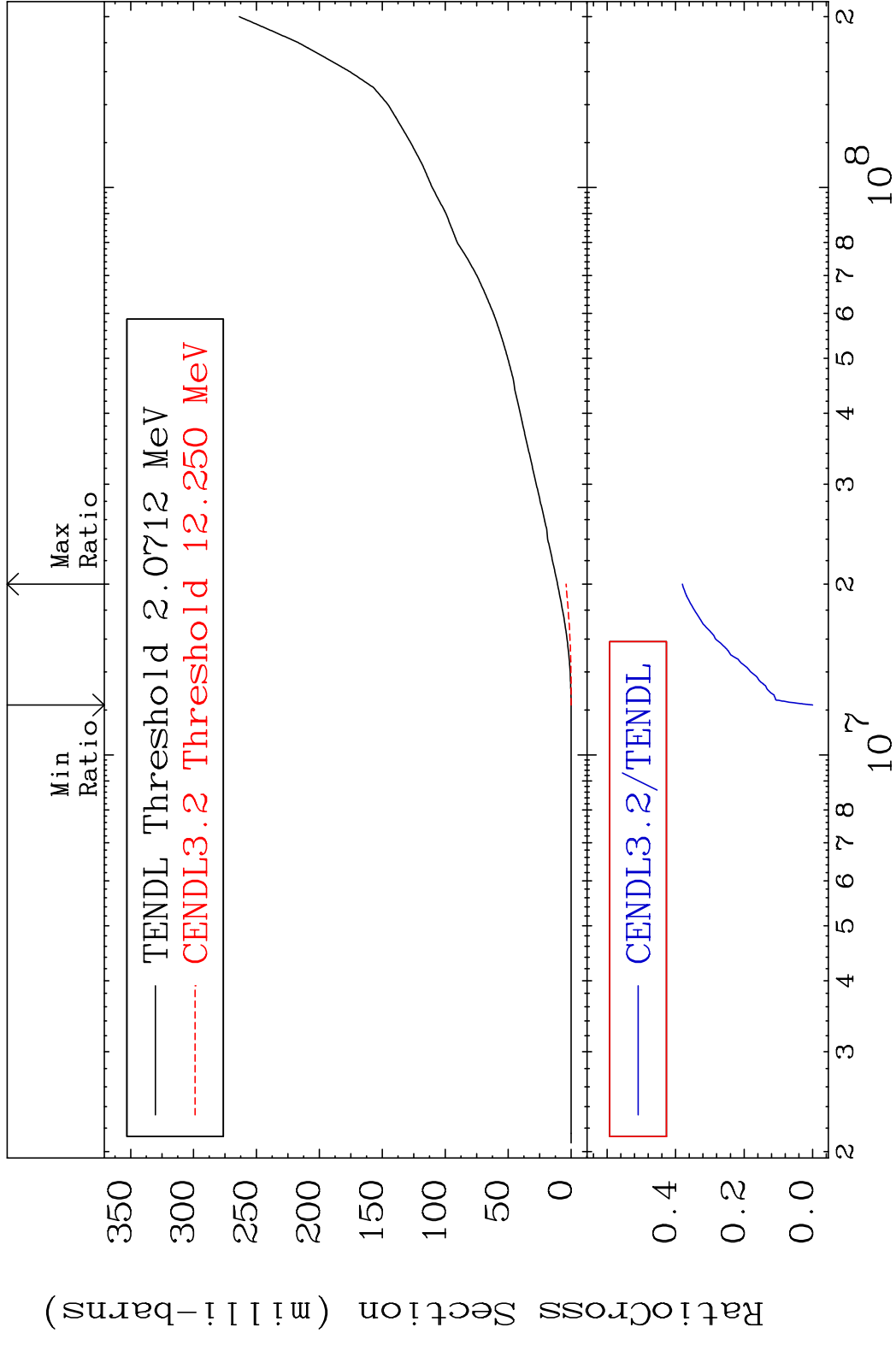


33

Incident Energy (eV)

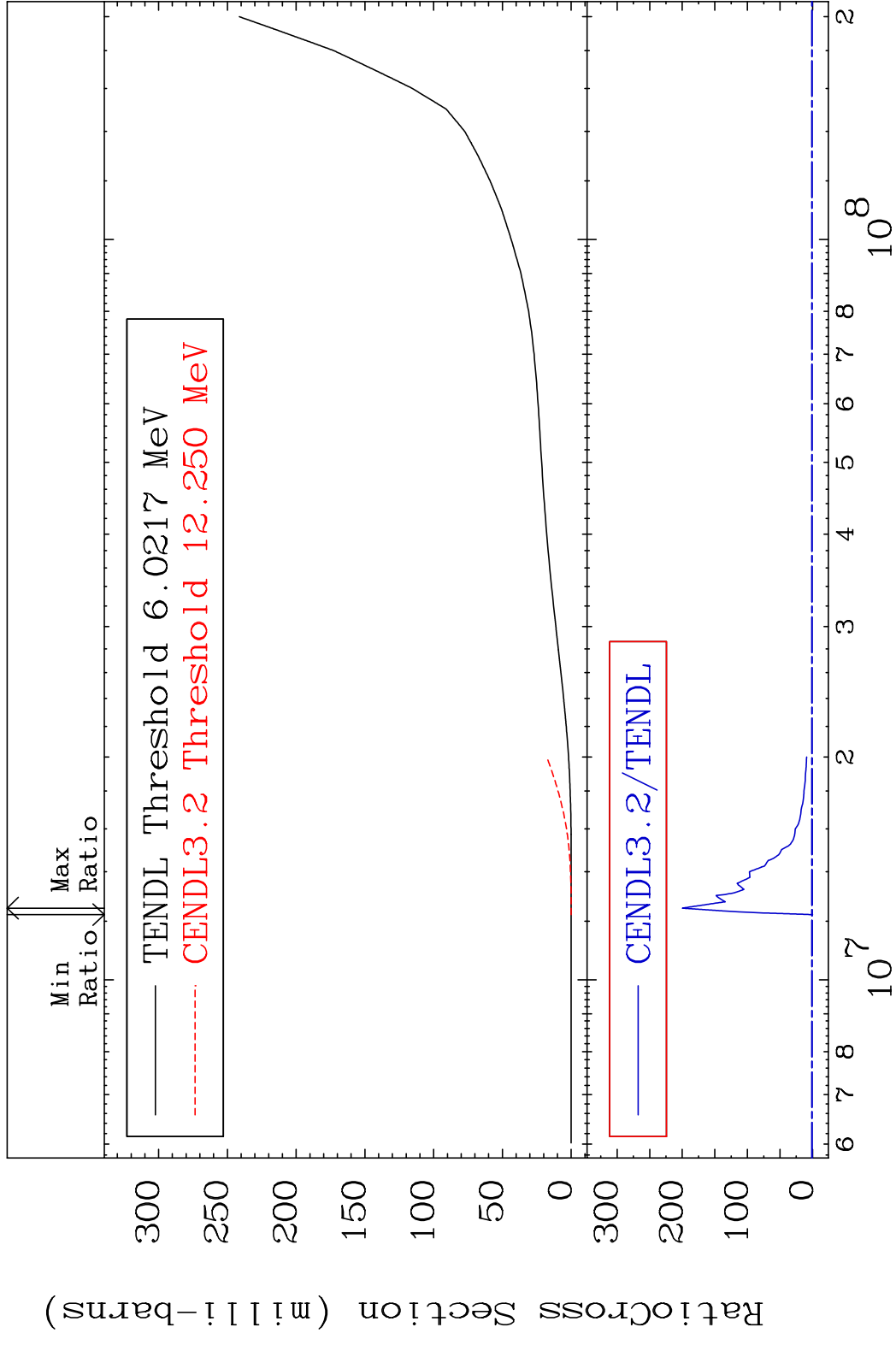
72-Hf-174

MAT 7225 Deuterium Production 72-Hf-174
 Cross Section -100.0 To -61.97%



MAT 7225

Tritium Production 72-Hf-174
Cross Section -100.0 To 9999. %

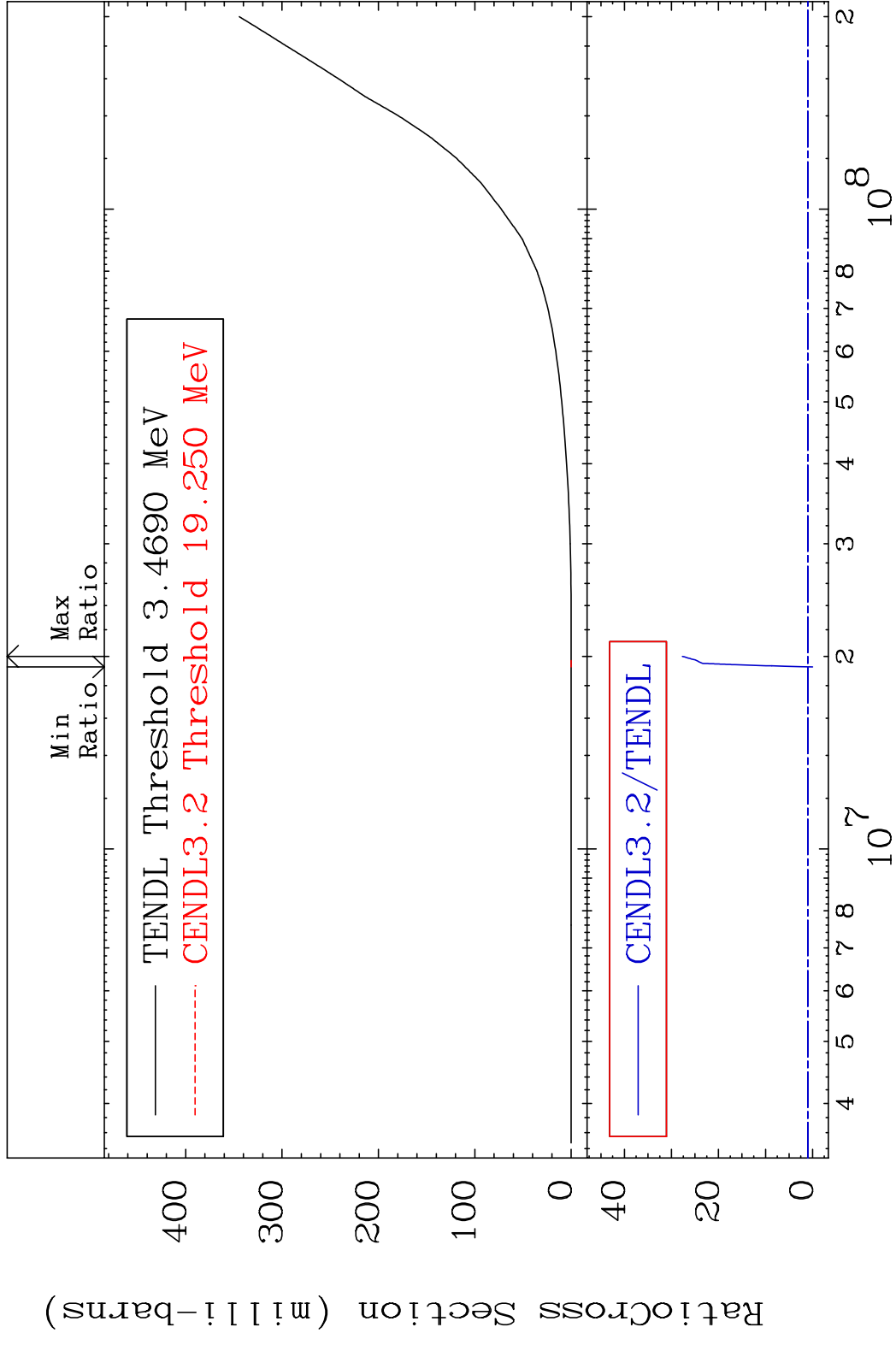


MAT 7225

He-3 Production

72-Hf-174

Cross Section -100.0 To 2669. %

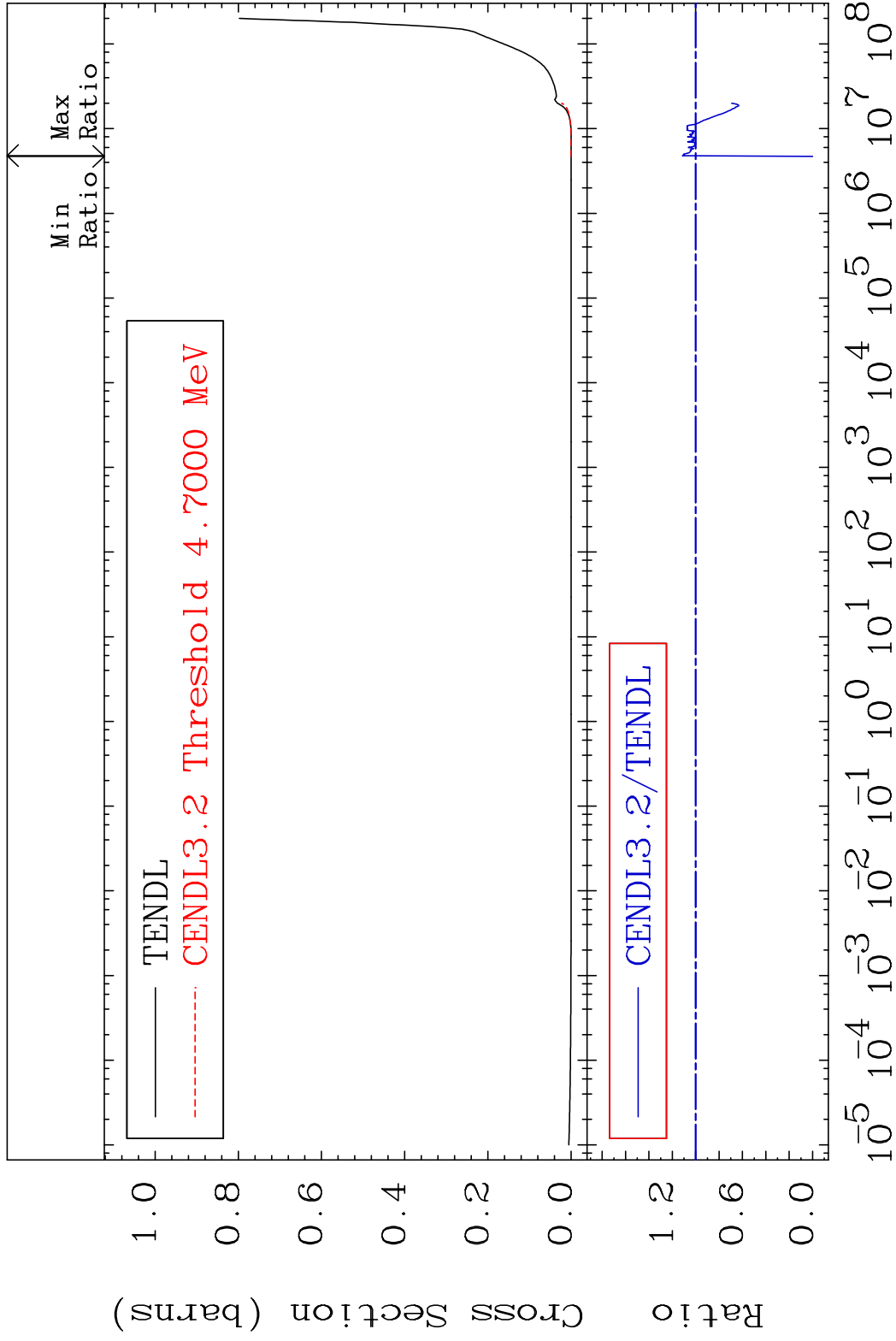


MAT 7225

He-4 Production

72-Hf-174

Cross Section -100.0 To 11.42 %

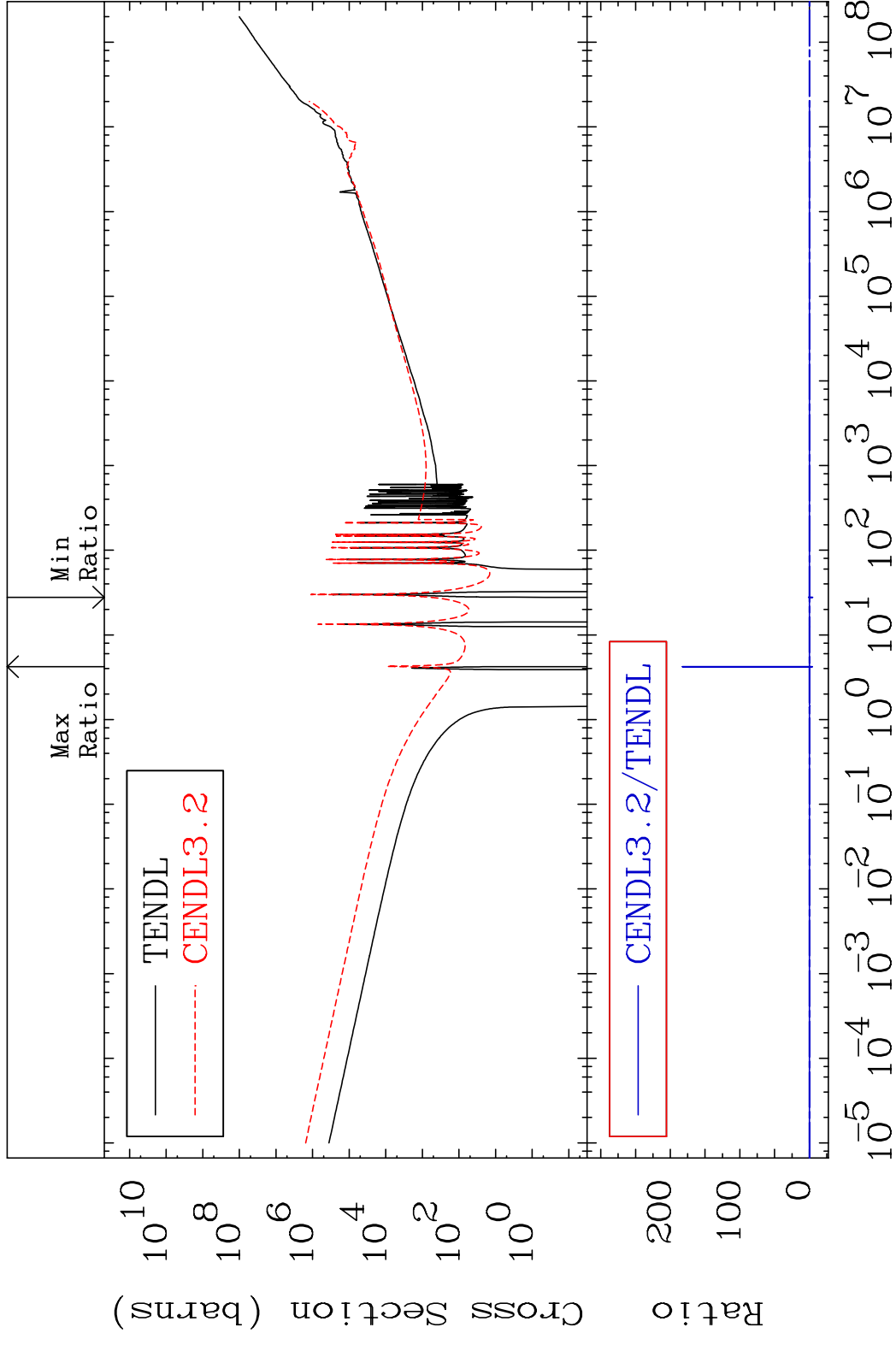


37

Incident Energy (eV)

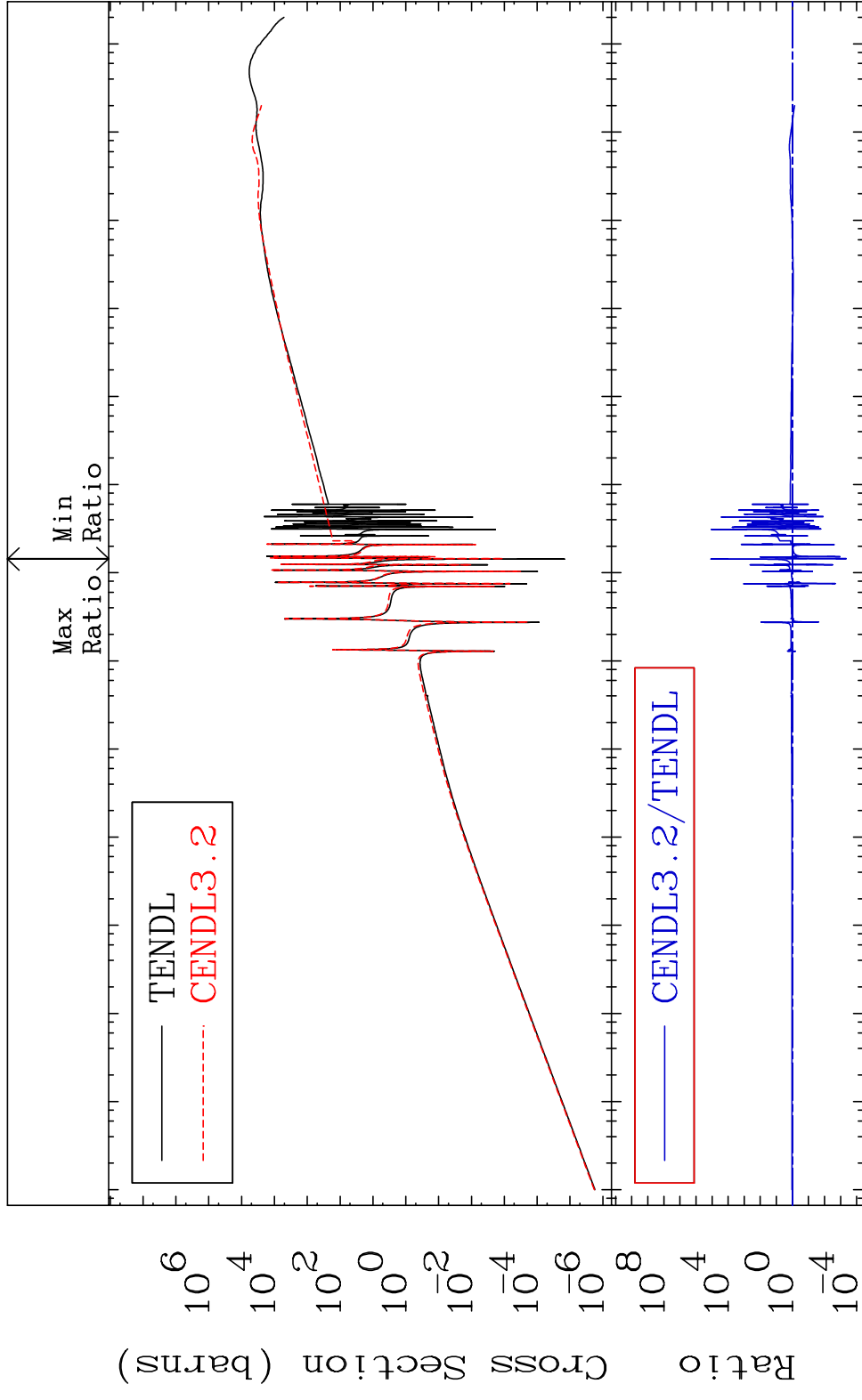
72-Hf-174

MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -9999. To 9999. %

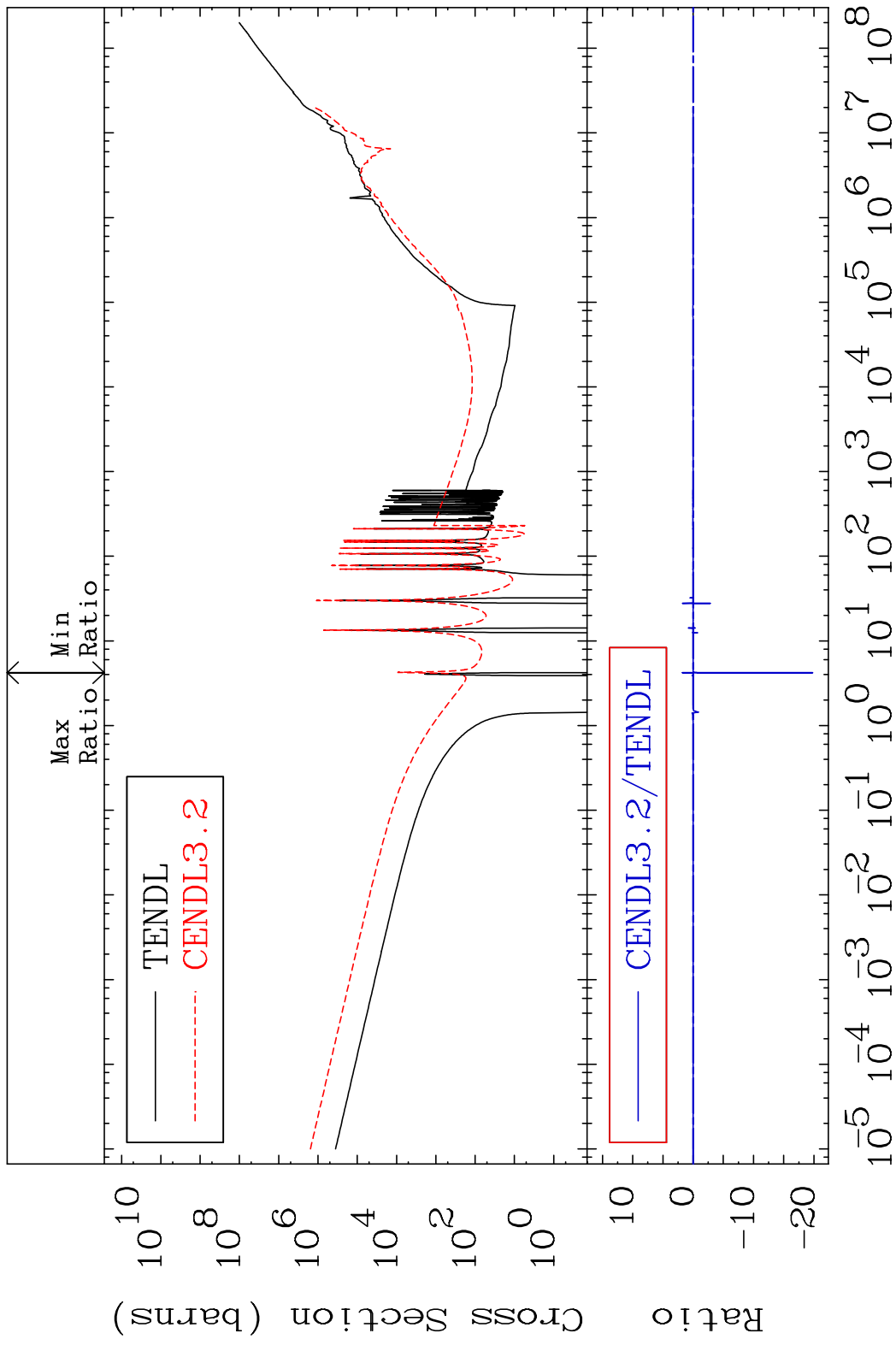


MAT 7225

Kerma elastic Cross Section -99.96 To 9999. %
72-Hf-174

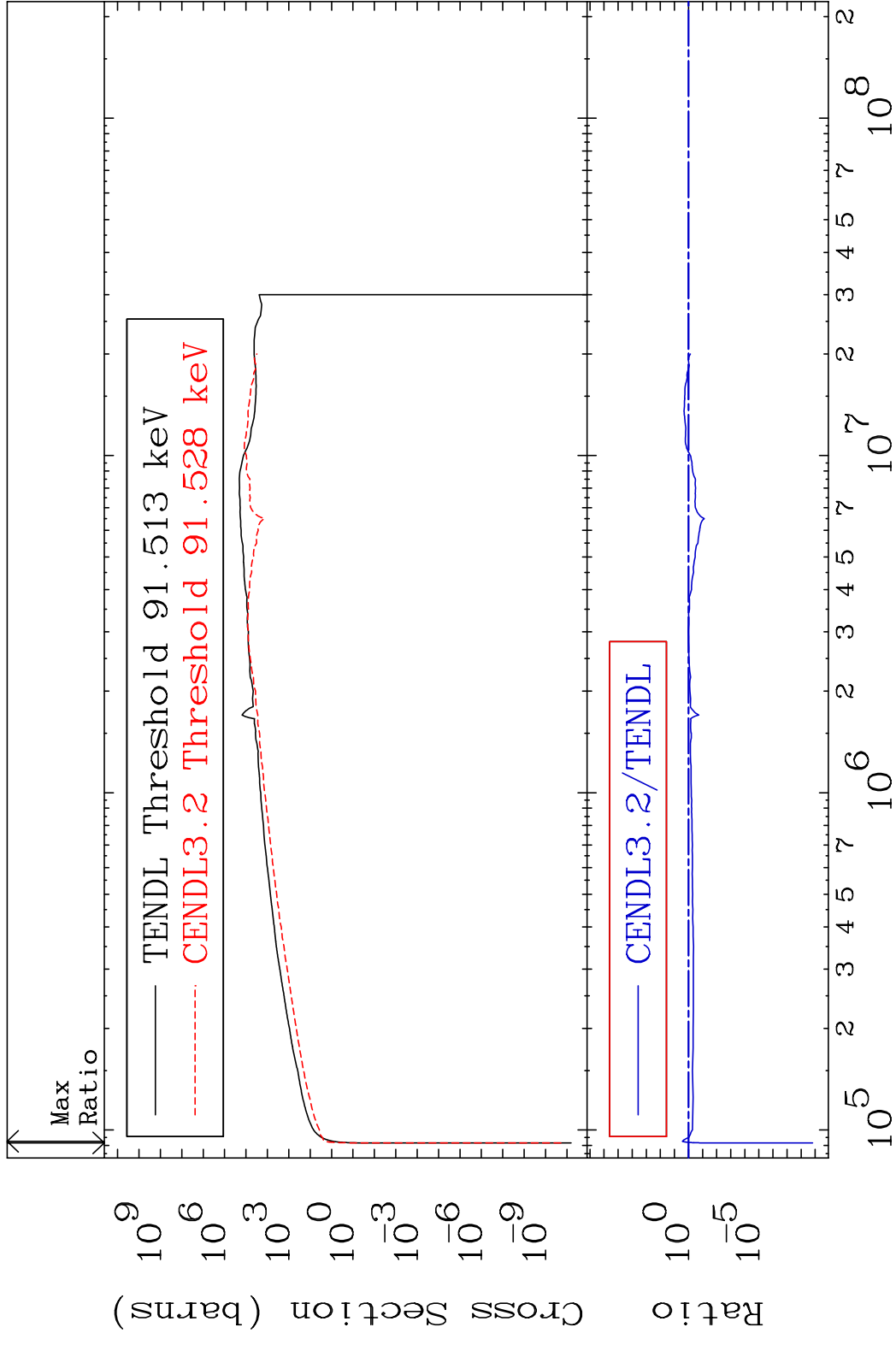


MAT 7225 Kerma non-elastic (all but mt2) 72-Hf-174
 Cross Section -9999. To 9999. %



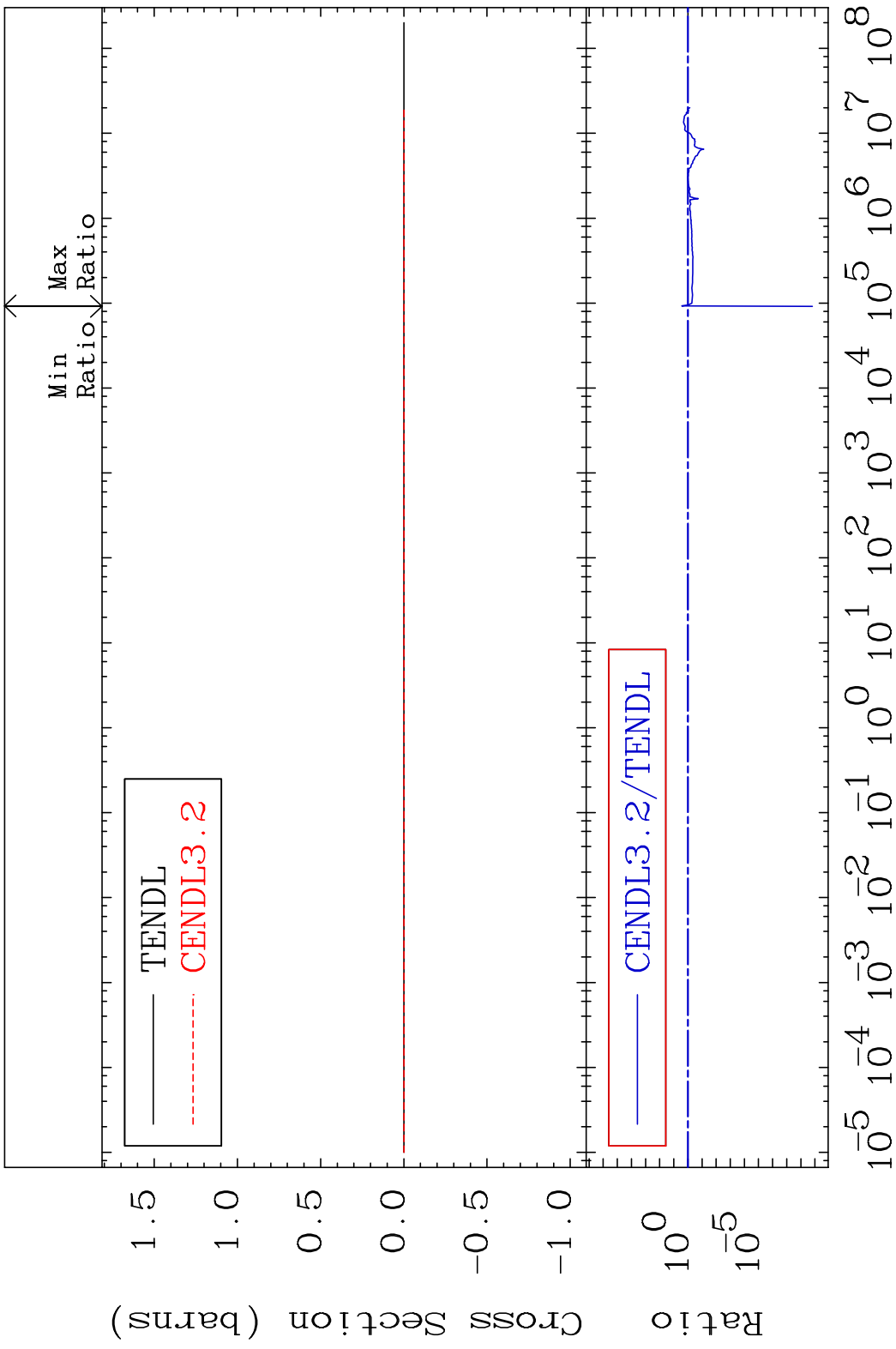
40 Incident Energy (eV) 72-Hf-174

MAT 7225 Kerma inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 173.4 %



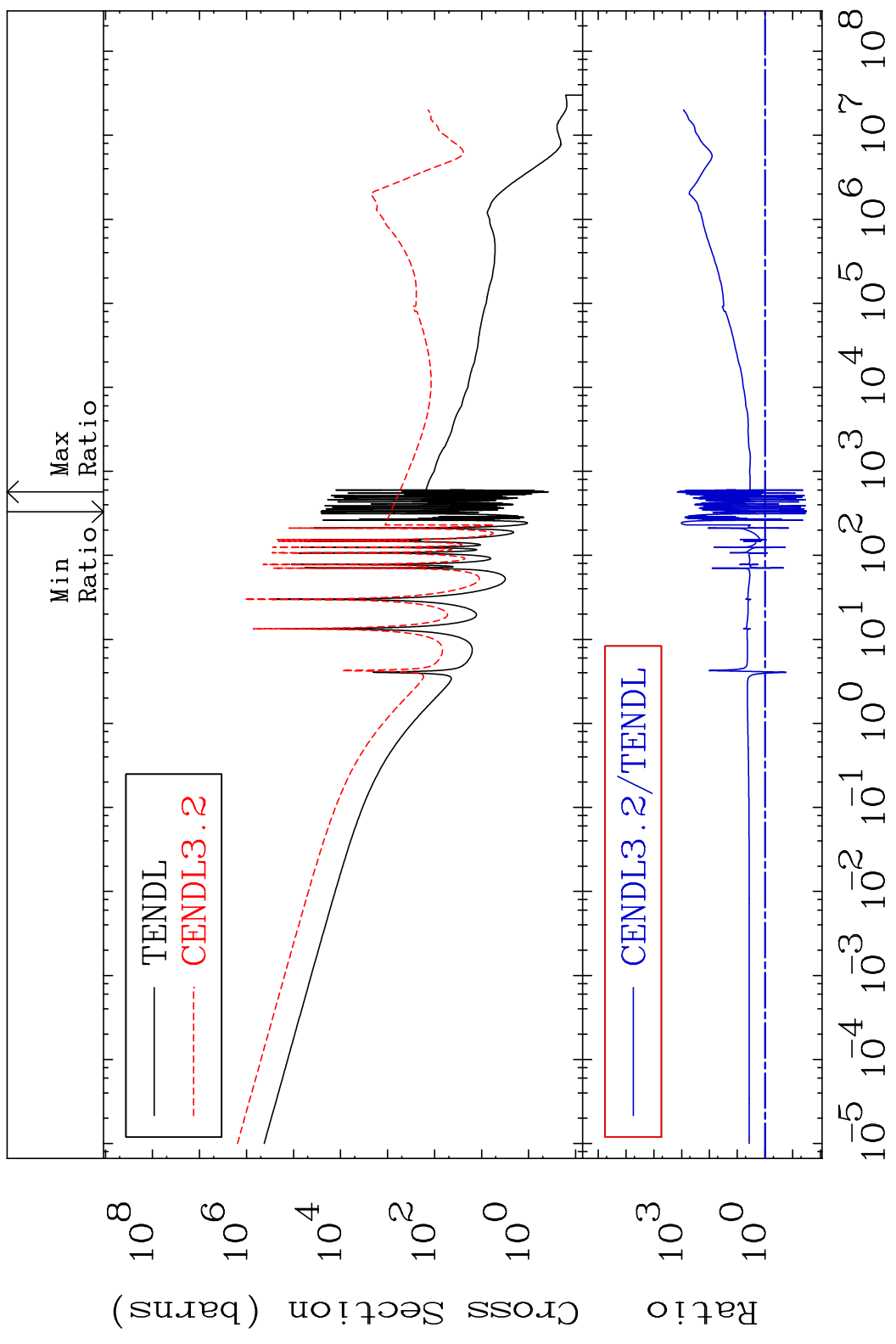
41 Incident Energy (eV) 72-Hf-174

MAT 7225 Kerma fission (mt18 or mt19-20-21-38)72-Hf-174
 Cross Section -100.0 To 173.4 %



MAT 7225

Kerma capture (mt102) 72-Hf-174
Cross Section -96.77 To 9999. %

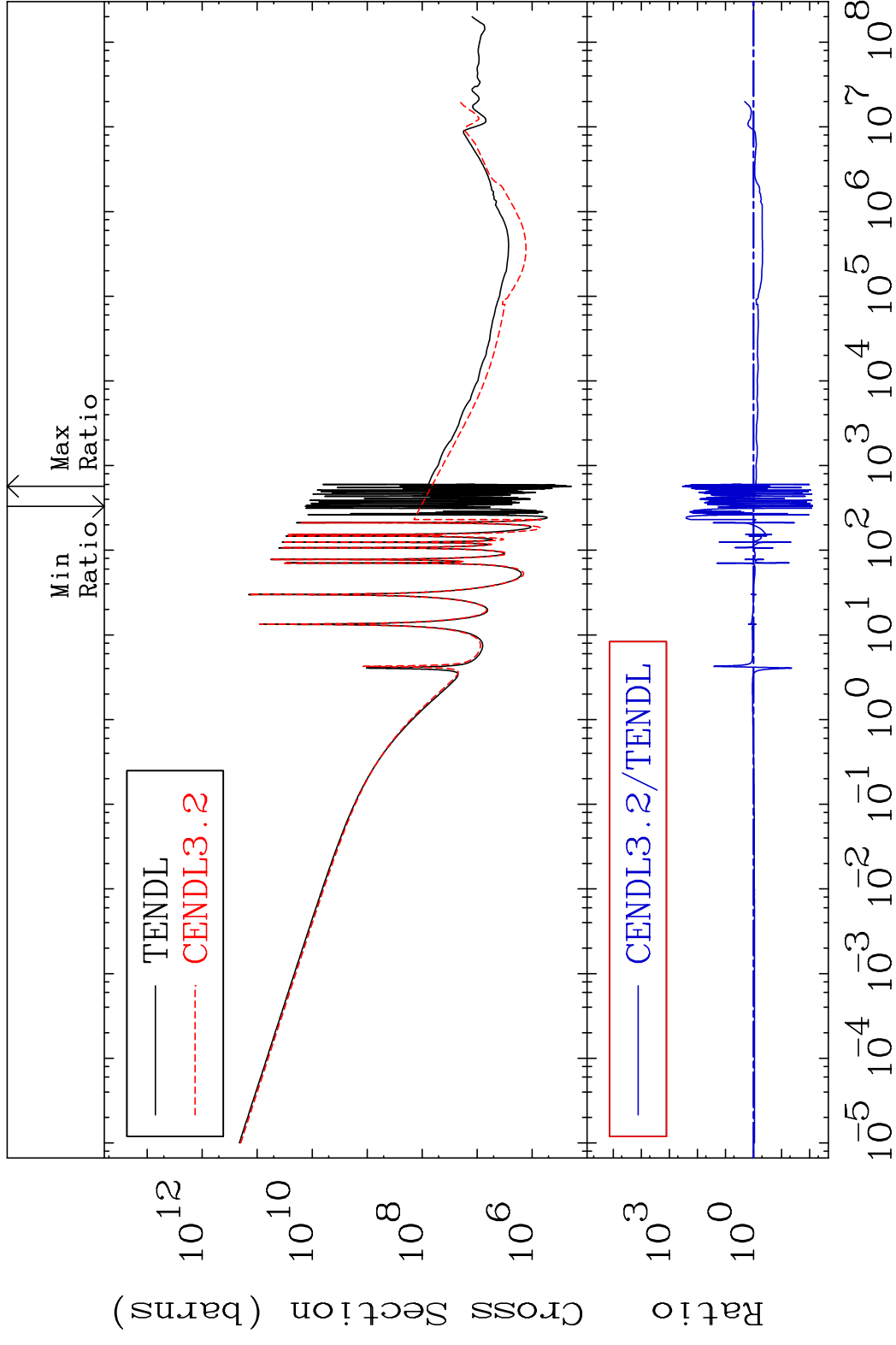


43

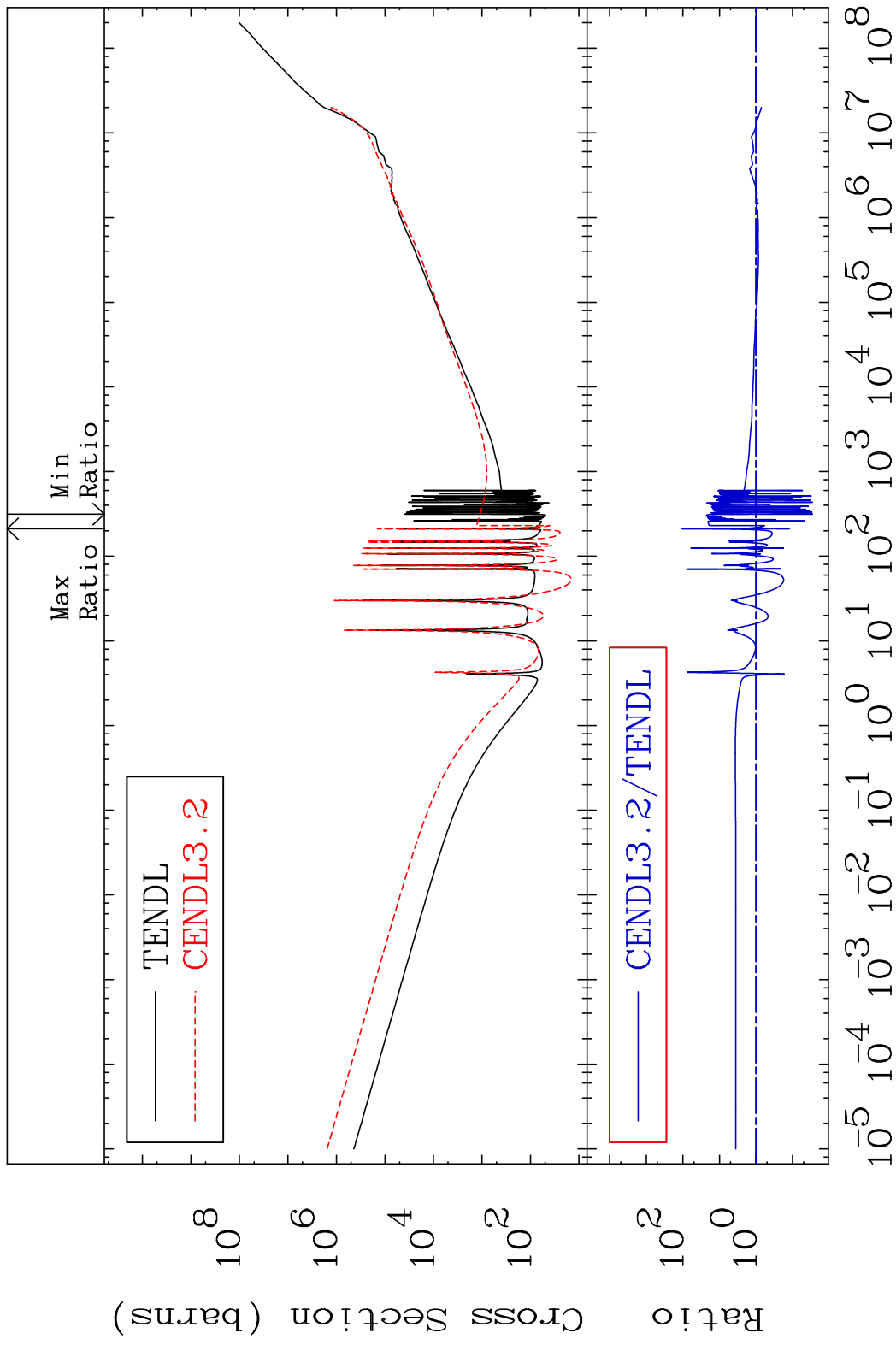
Incident Energy (eV)

72-Hf-174

MAT 7225 Total photon (eV-barns) 72-Hf-174
 Cross Section -99.21 To 9999. %



MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 Cross Section -97.15 To 9999. %

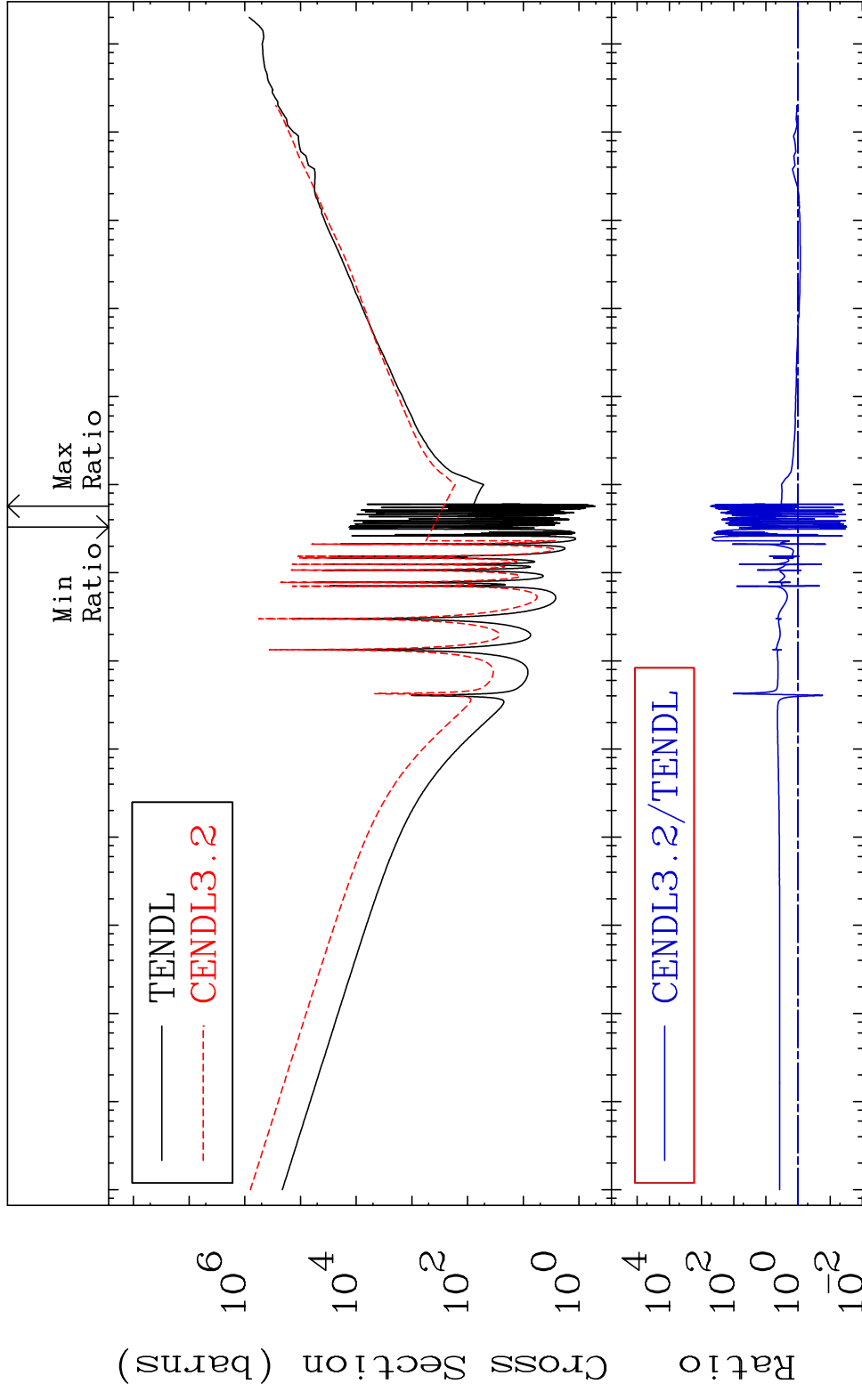


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -96.85 To 9999. %



46

Incident Energy (eV)

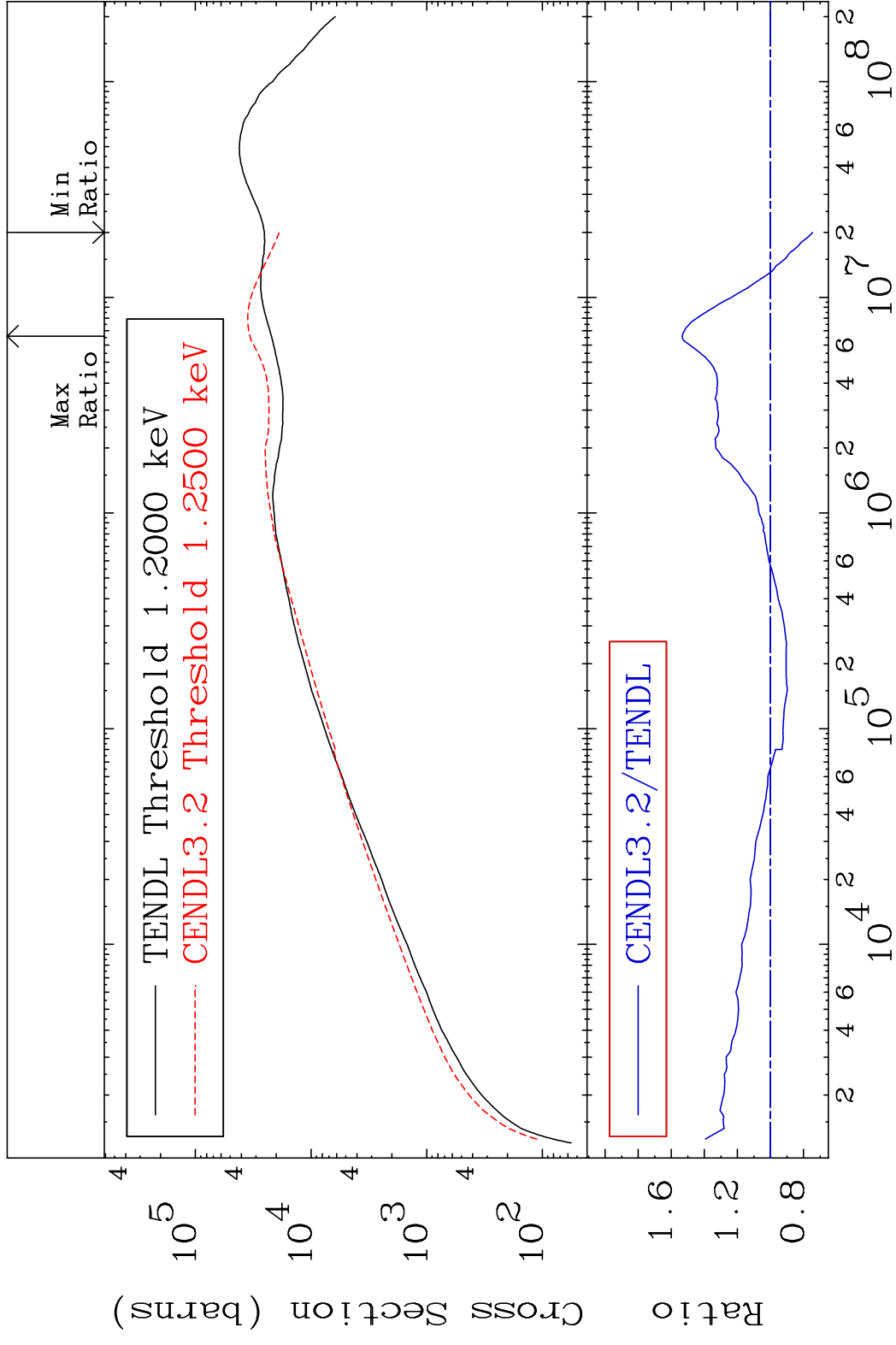
72-Hf-174

MAT 7225

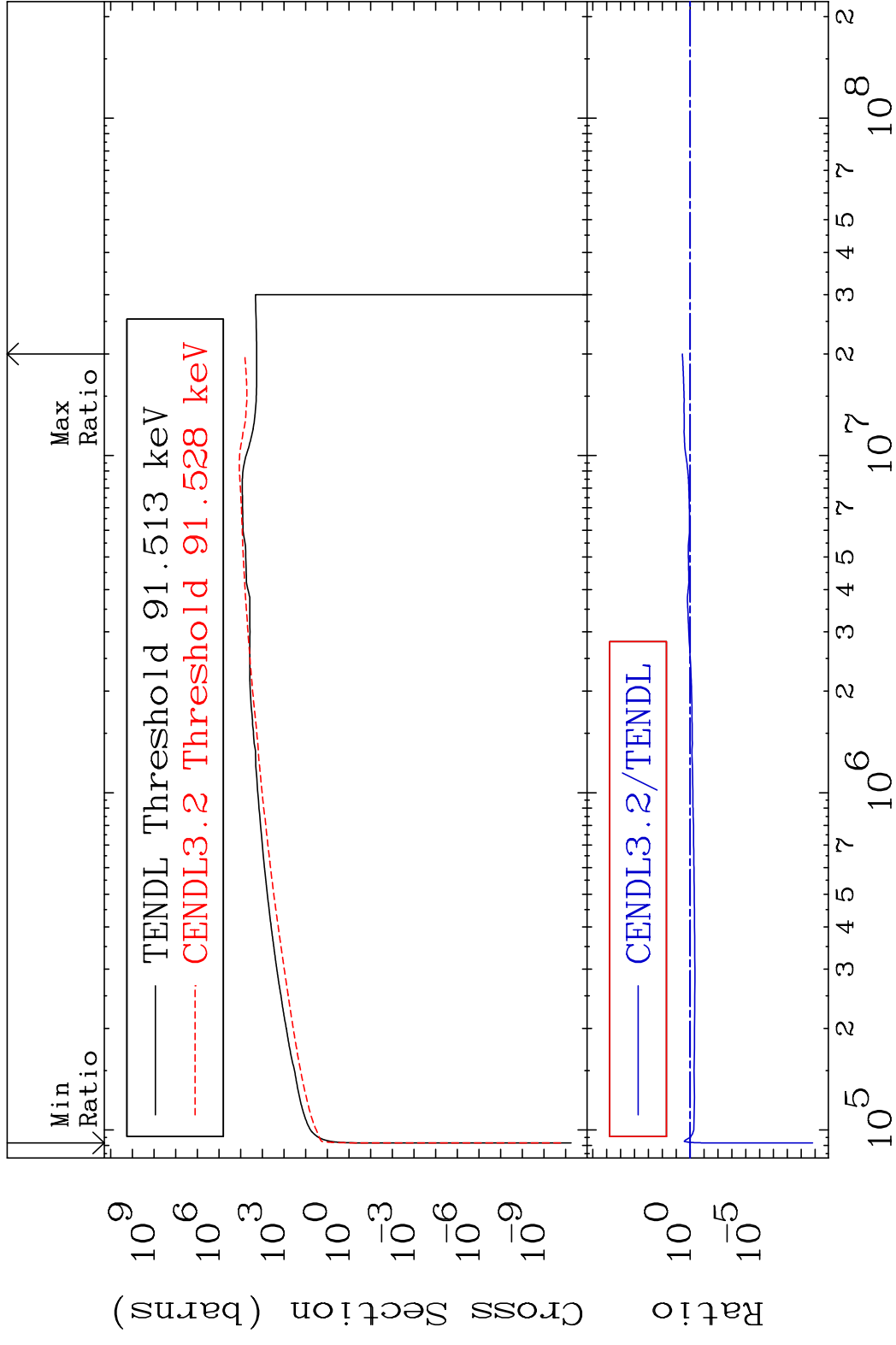
Dpa elastic (mt2)

72-Hf-174

Cross Section -25.44 To 53.30 %

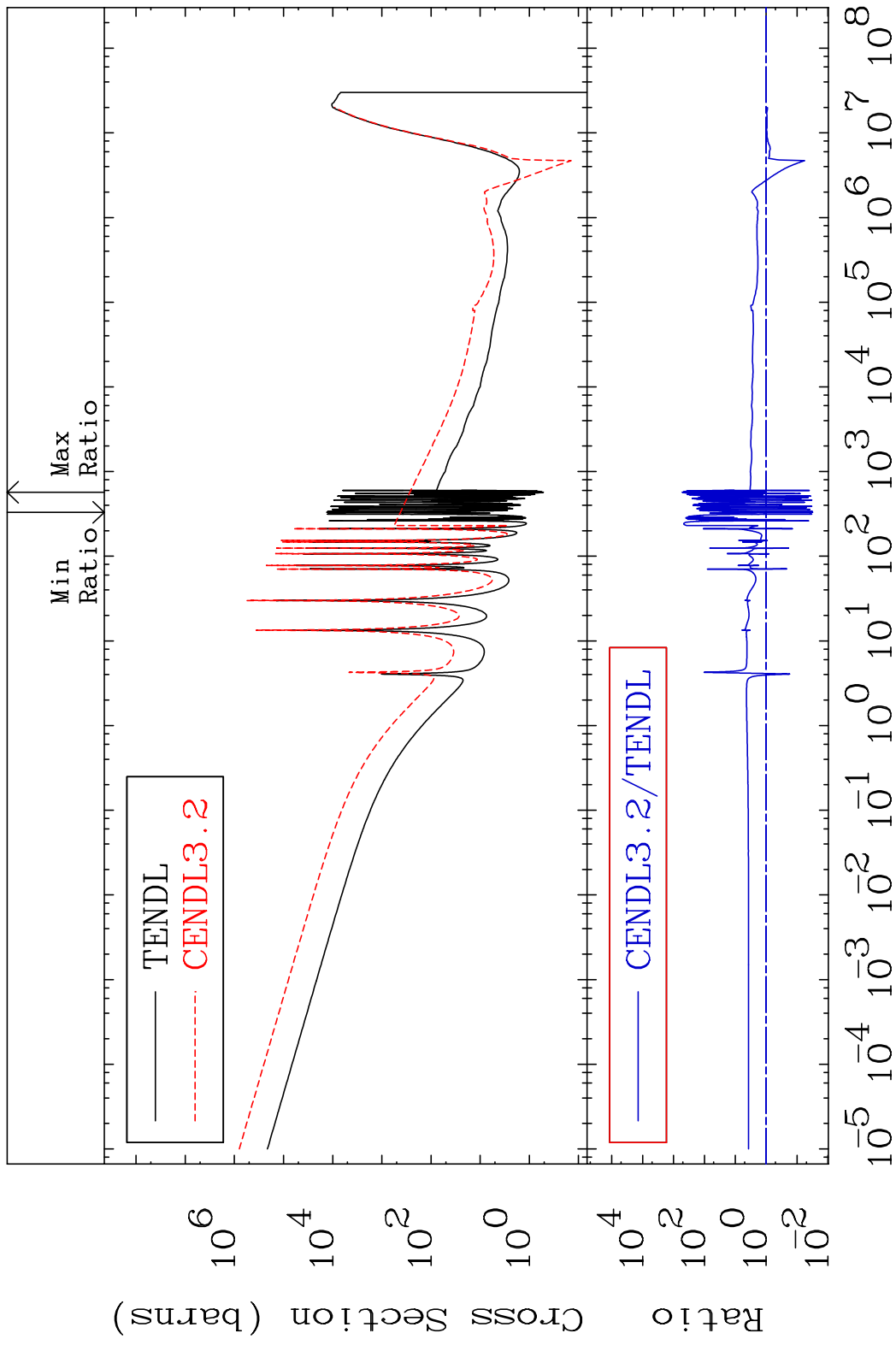


MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 258.3 %



48 Incident Energy (eV) 72-Hf-174

MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -96.85 To 9999. %

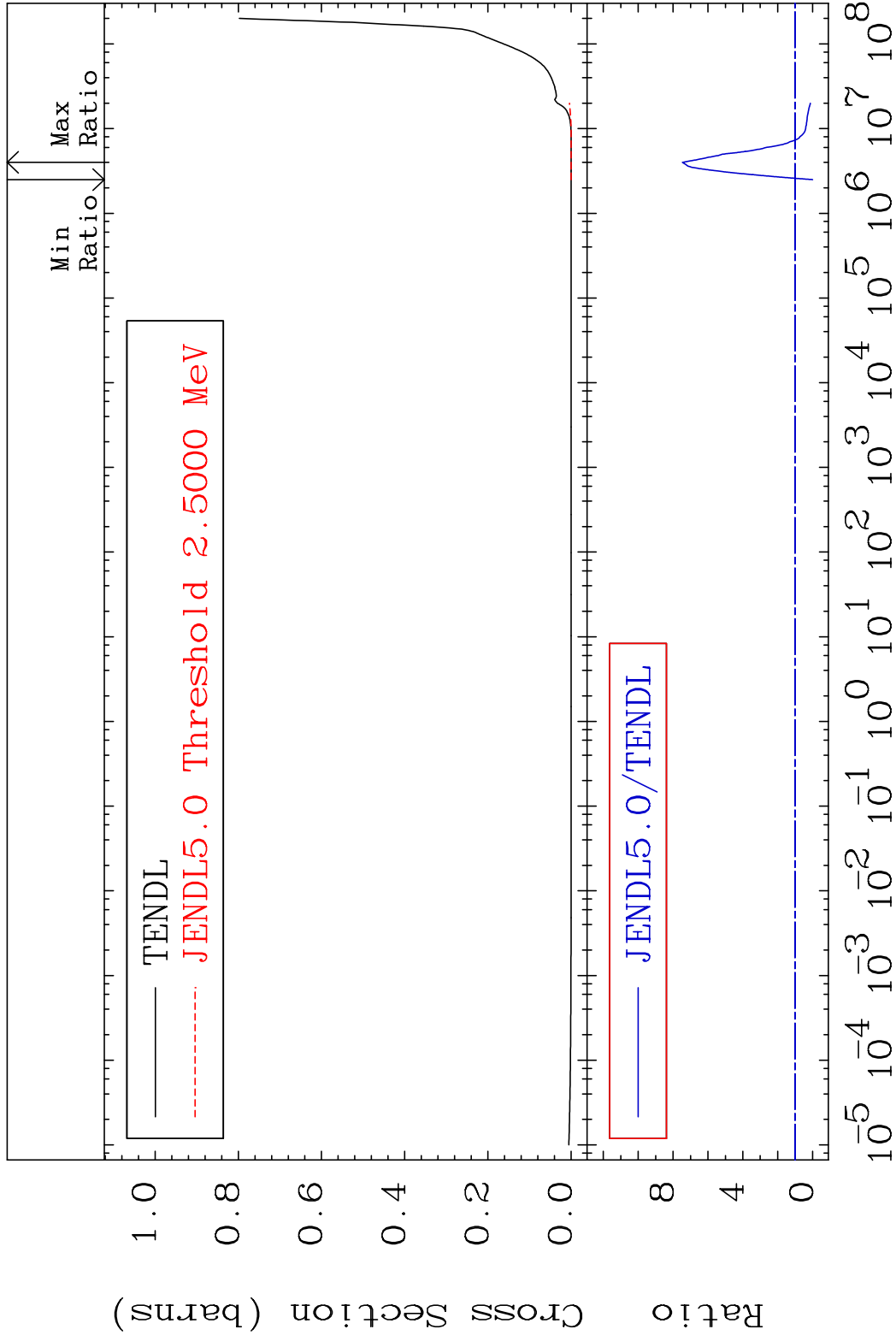


MAT 7225

He-4 Production

72-Hf-174

Cross Section -100.0 To 646.8 %

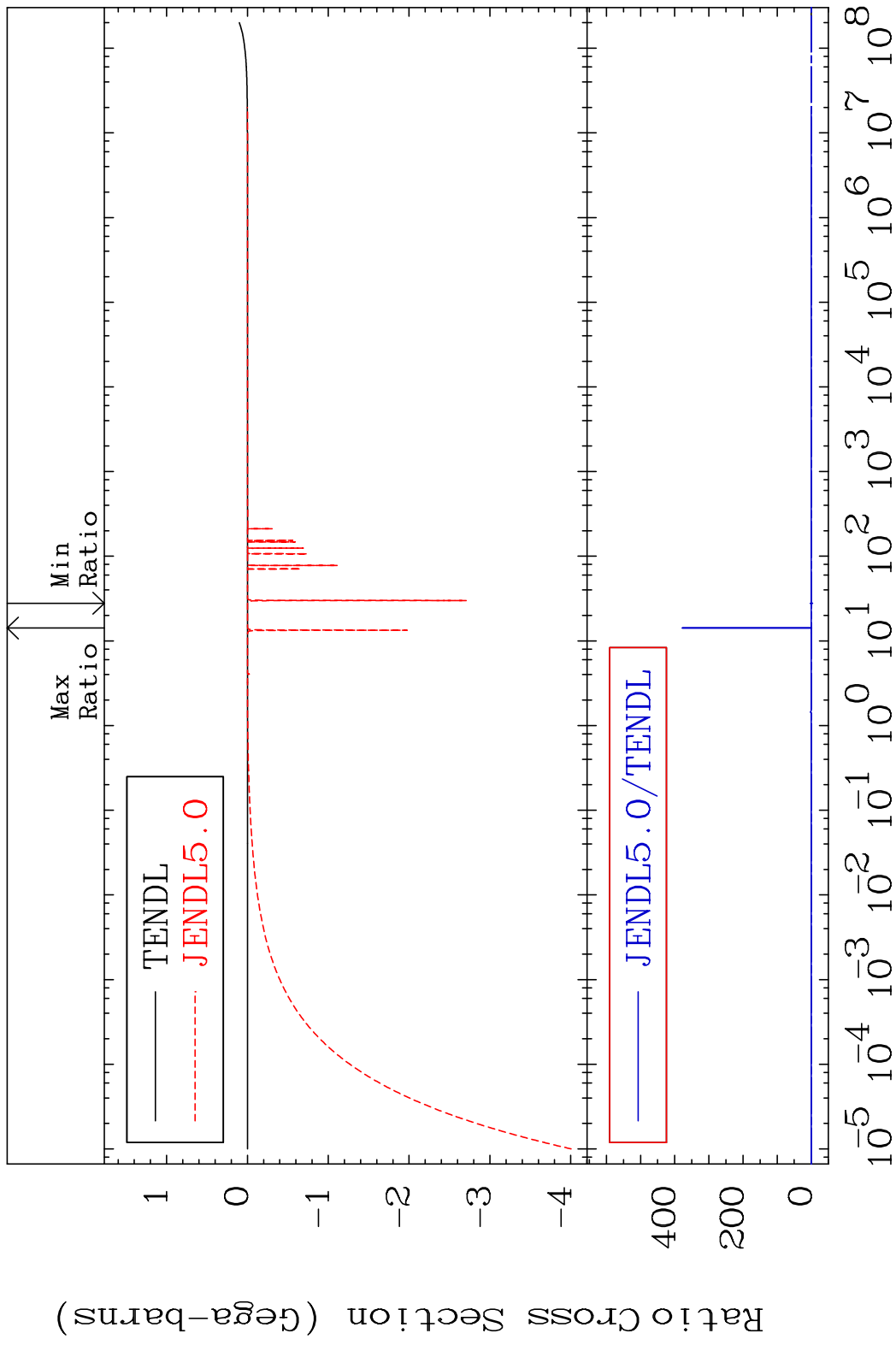


50

Incident Energy (eV)

72-Hf-174

MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -9999. To 9999. %

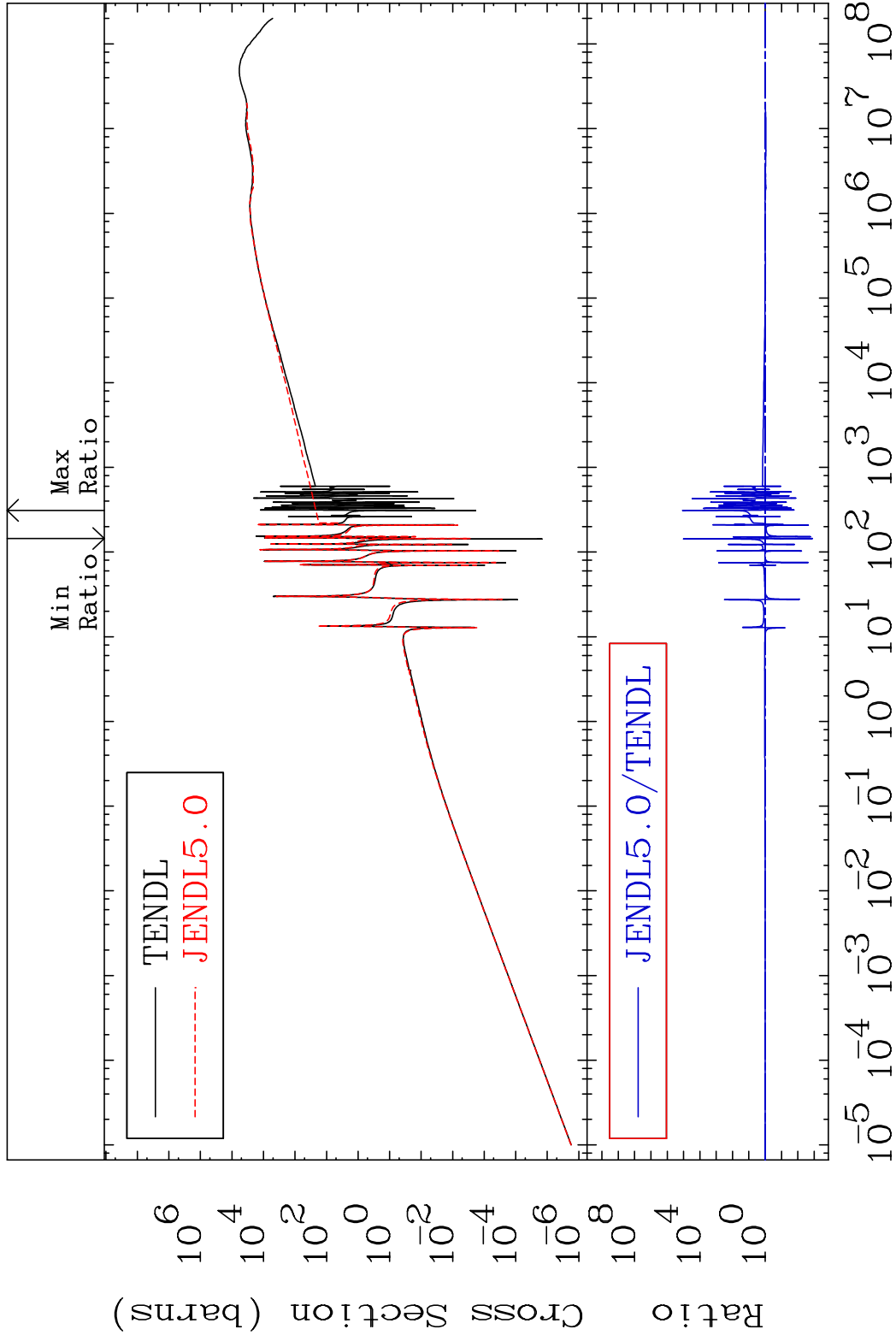


MAT 7225

Kerma elastic

72-Hf-174

Cross Section -99.88 To 9999. %

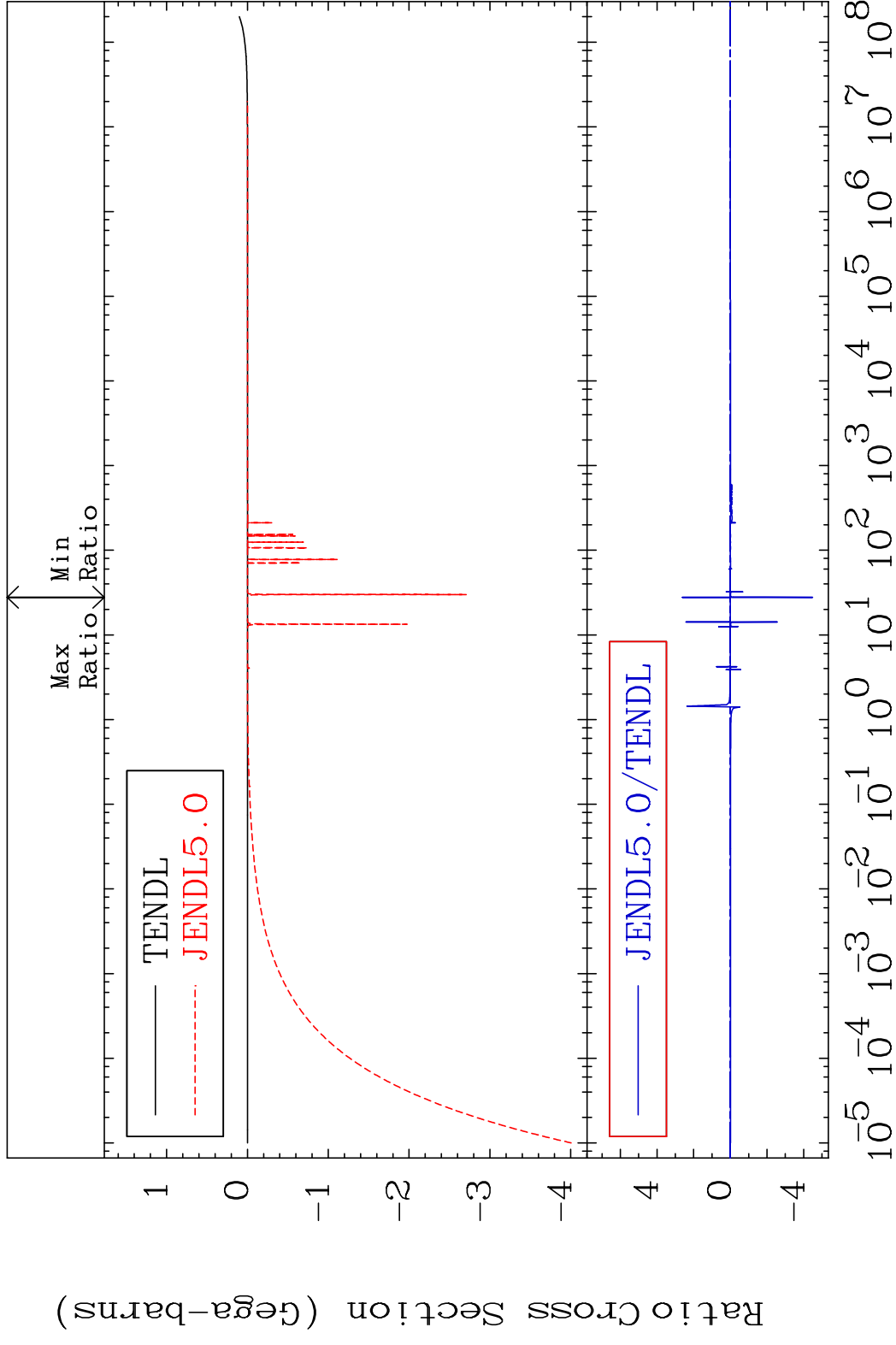


52

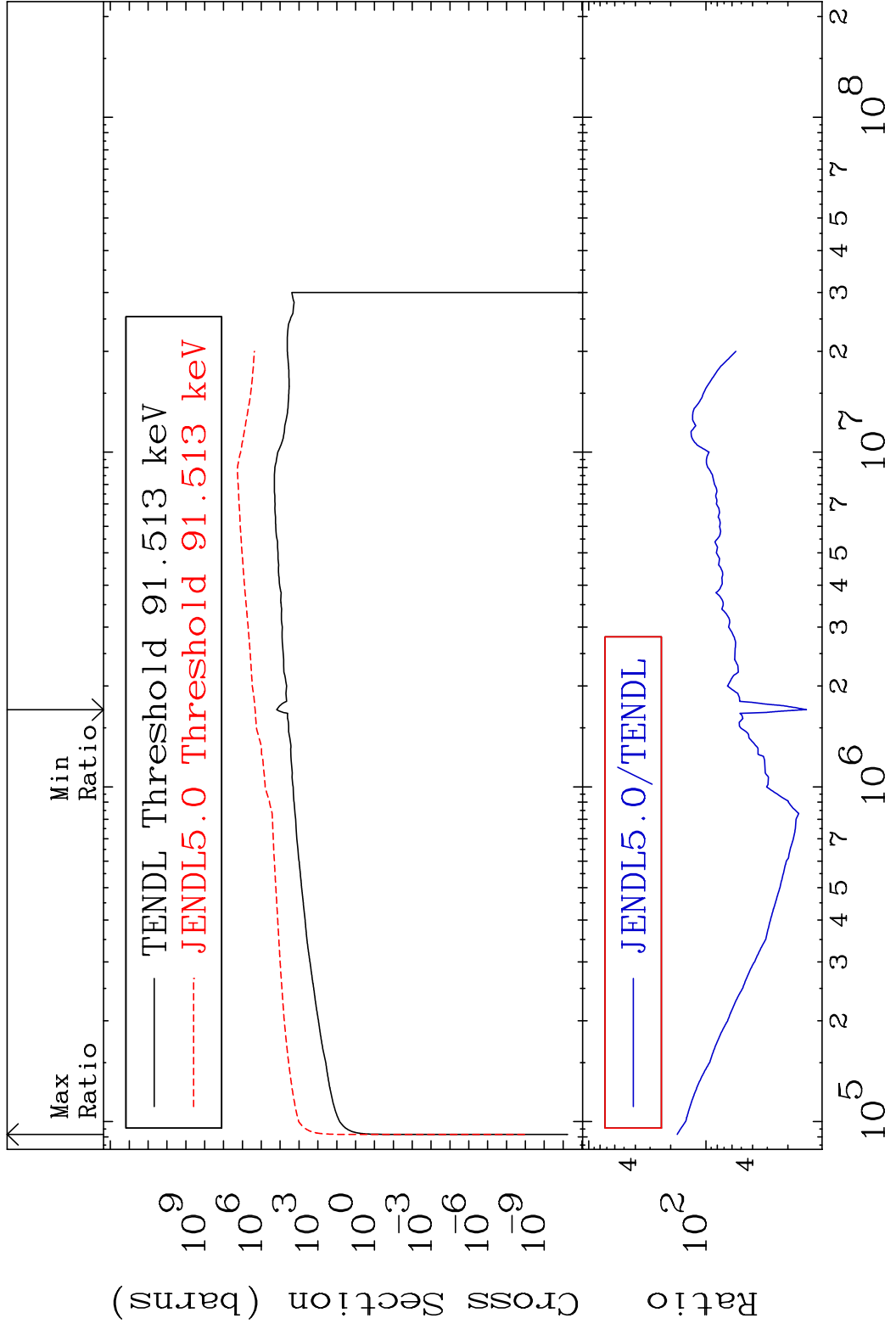
Incident Energy (eV)

72-Hf-174

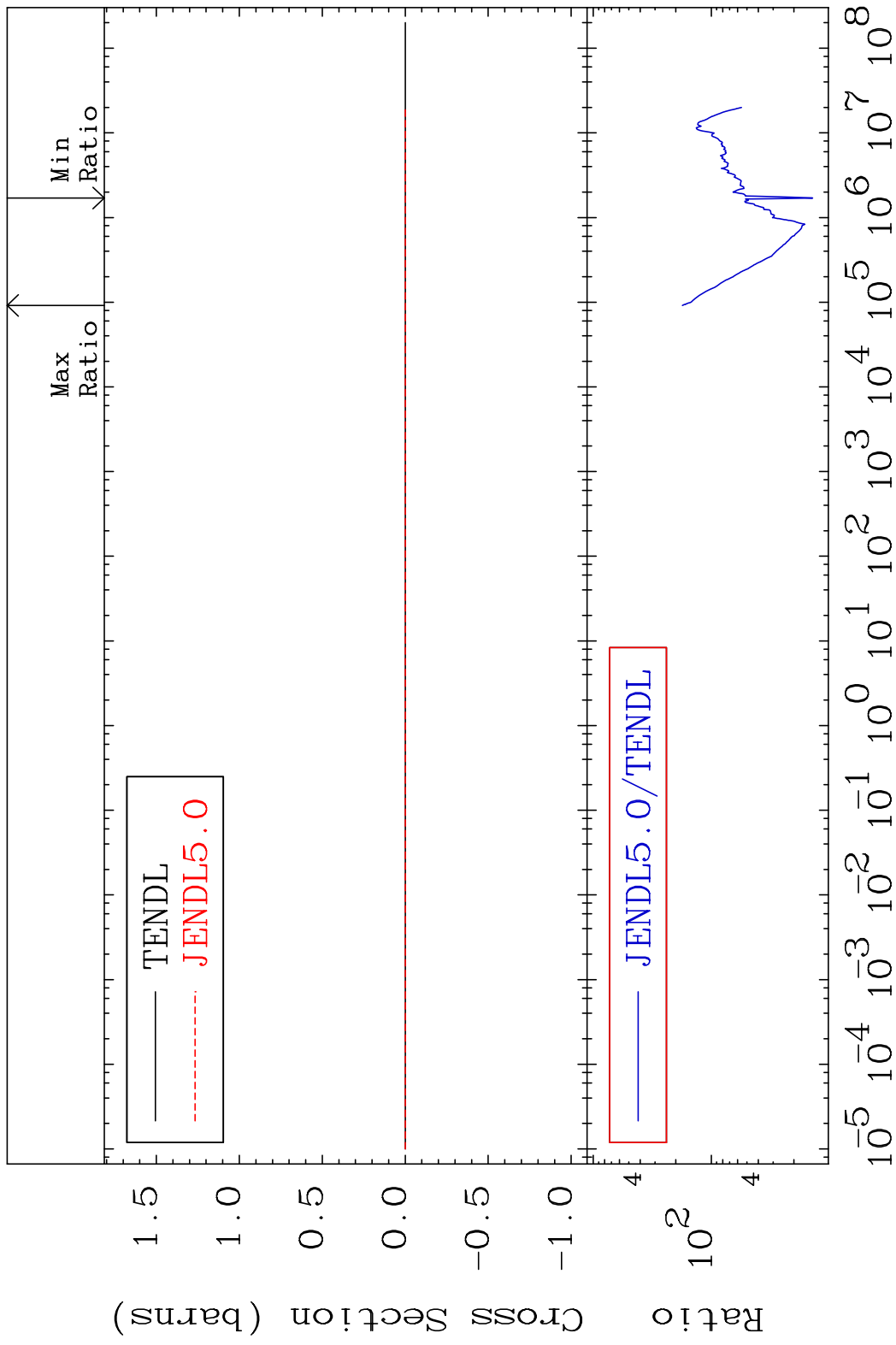
MAT 7225 Kerma non-elastic (all but mt2) 72-Hf-174
 Cross Section -9999. To 9999. %

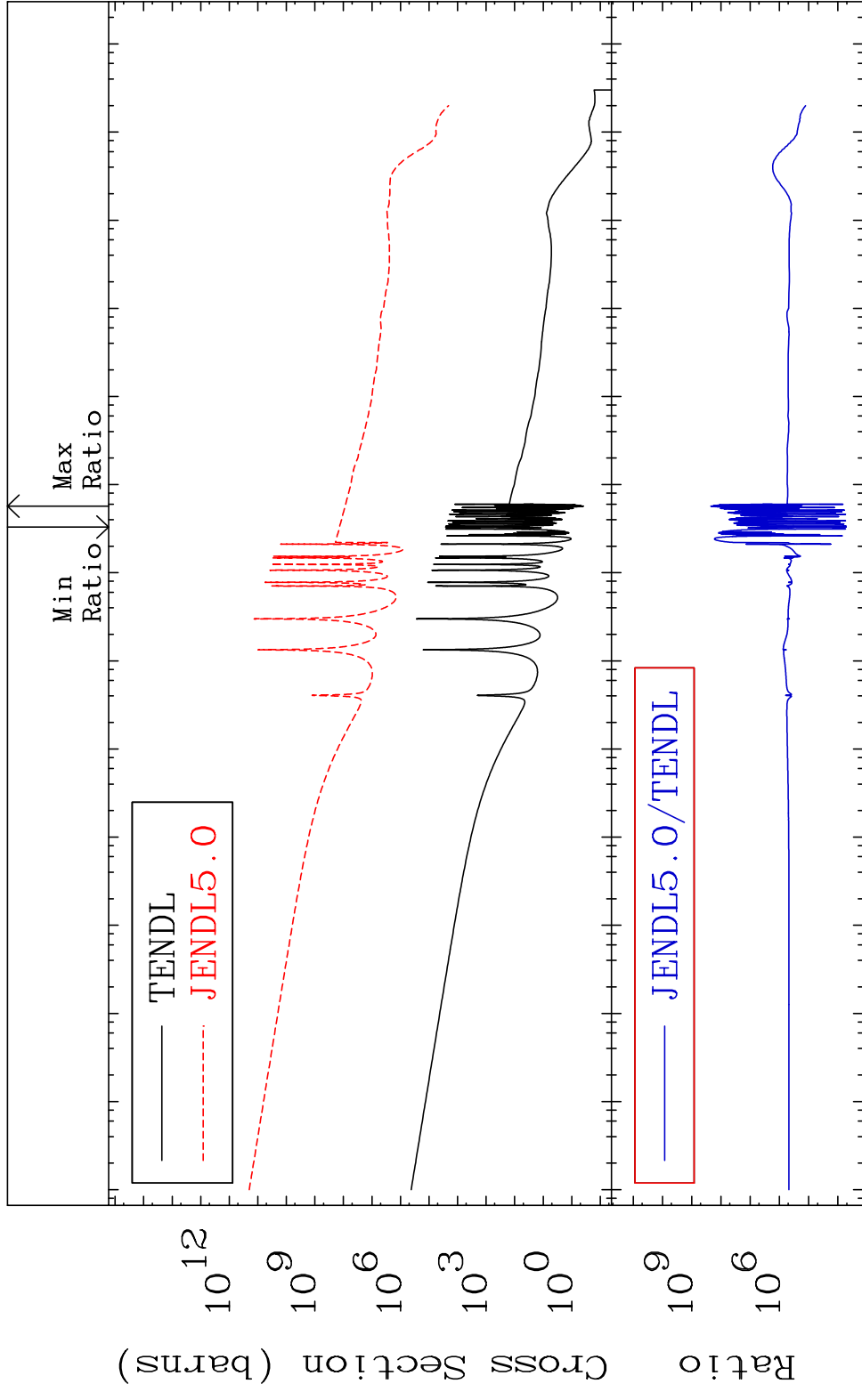


MAT 7225 Kerma inelastic (mt51-91) 72-Hf-174
 Cross Section 1289. To 9999. %

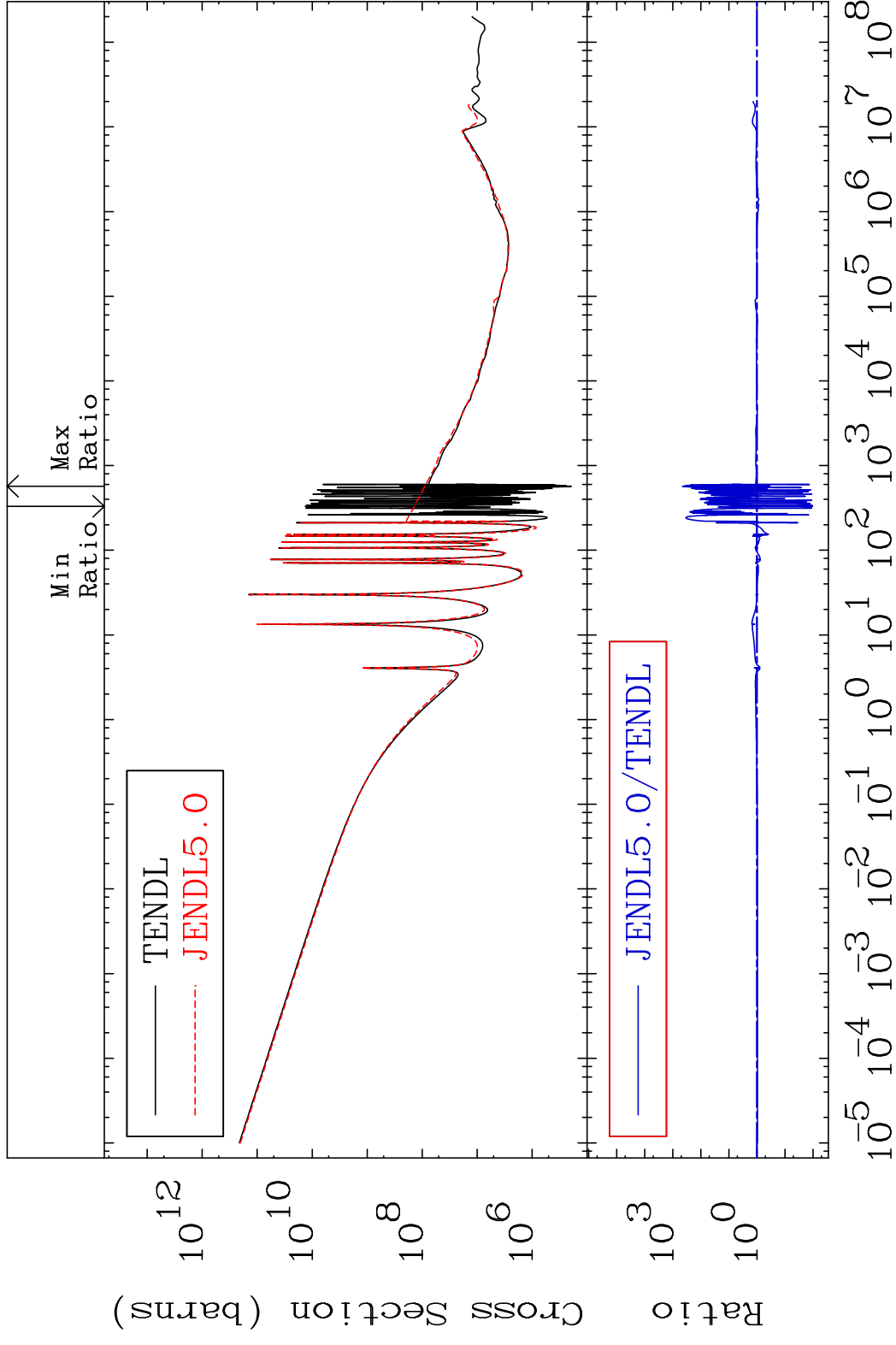


MAT 7225 Kerma fission (mt18 or mt19-20-21-38)72-Hf-174
 Cross Section 1289. To 9999. %

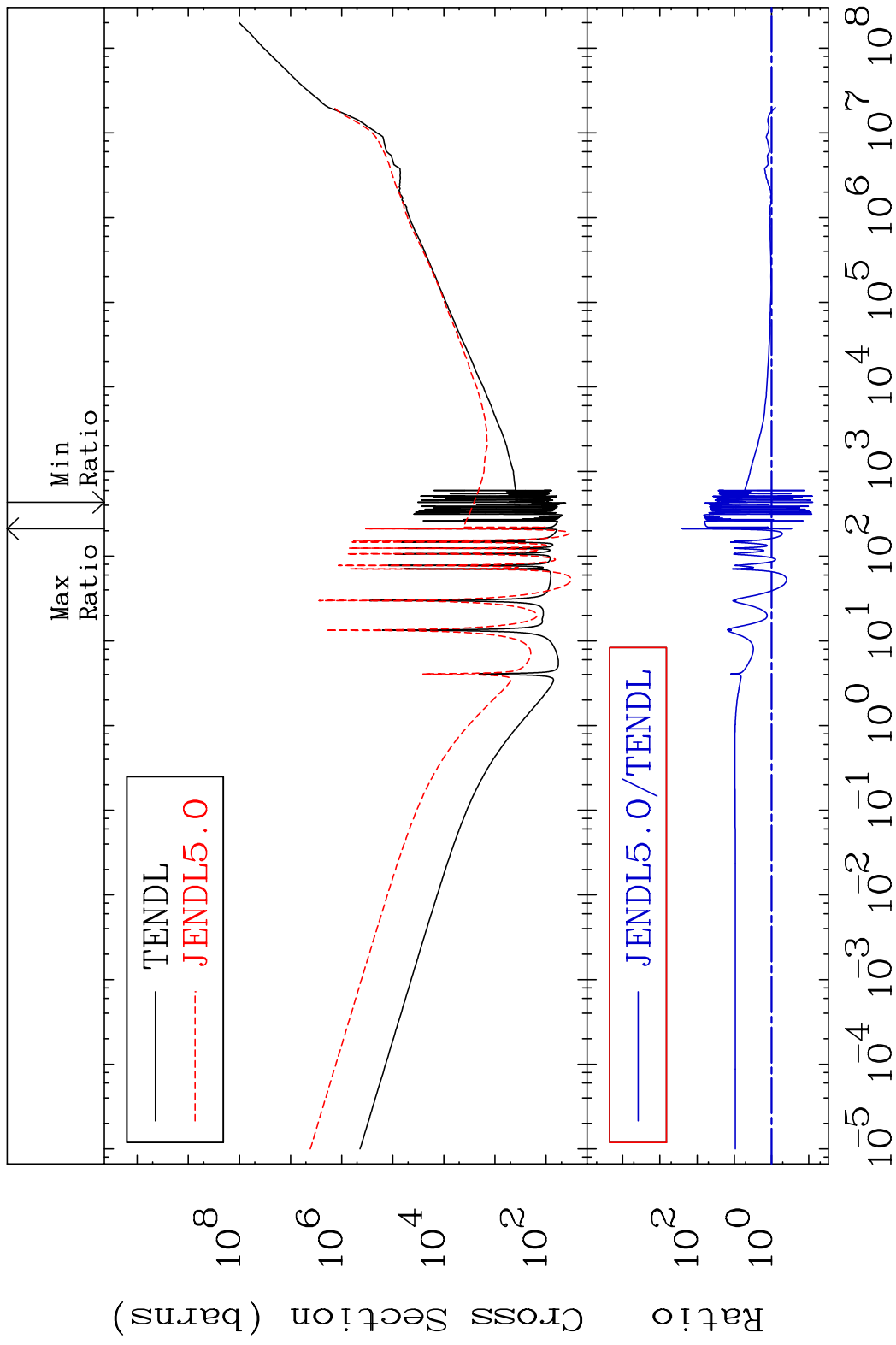




MAT 7225 Total photon (eV-barns) 72-Hf-174
 Cross Section -98.95 To 9999. %



MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 Cross Section -92.06 To 9999. %

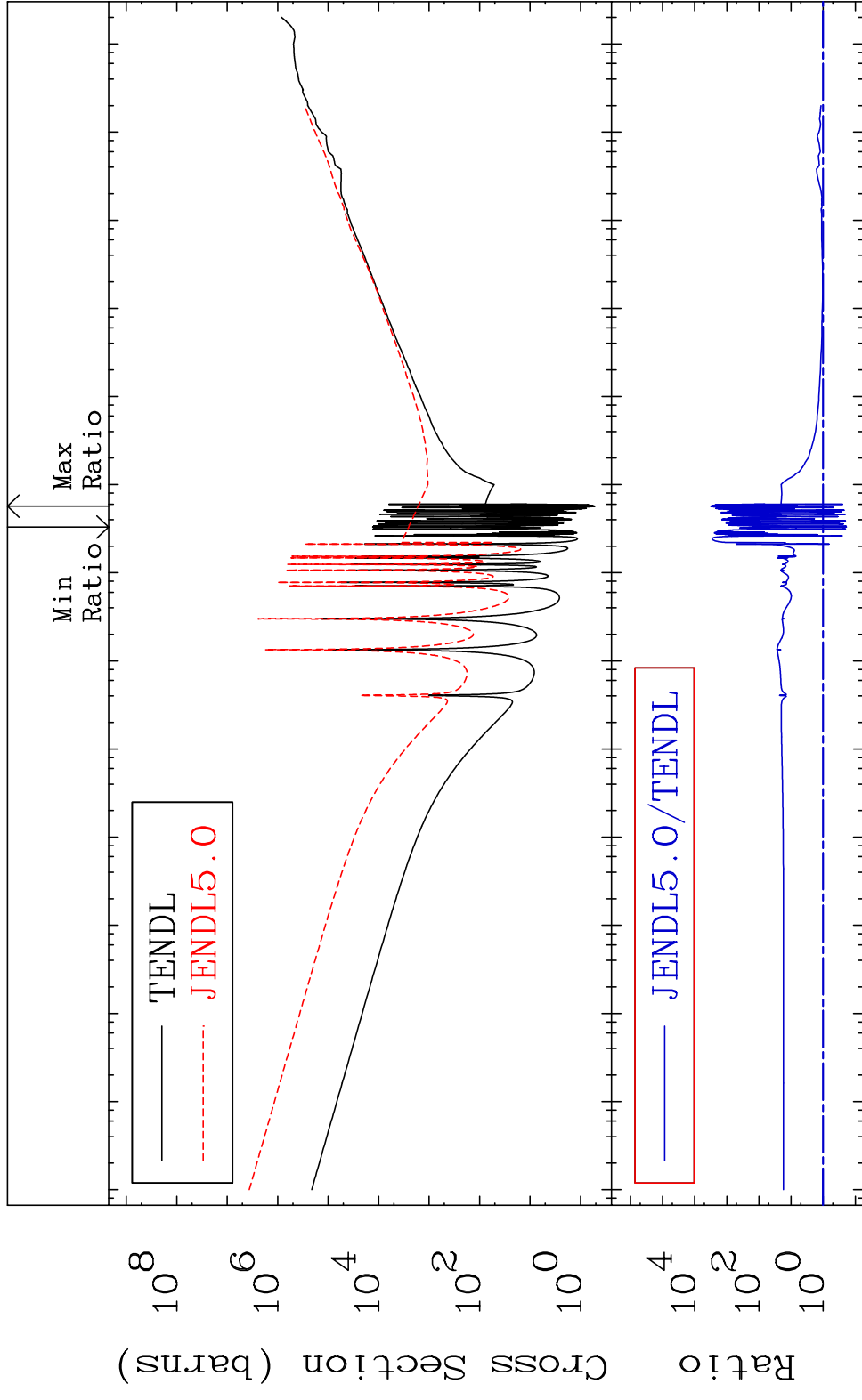


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -80.92 To 9999. %

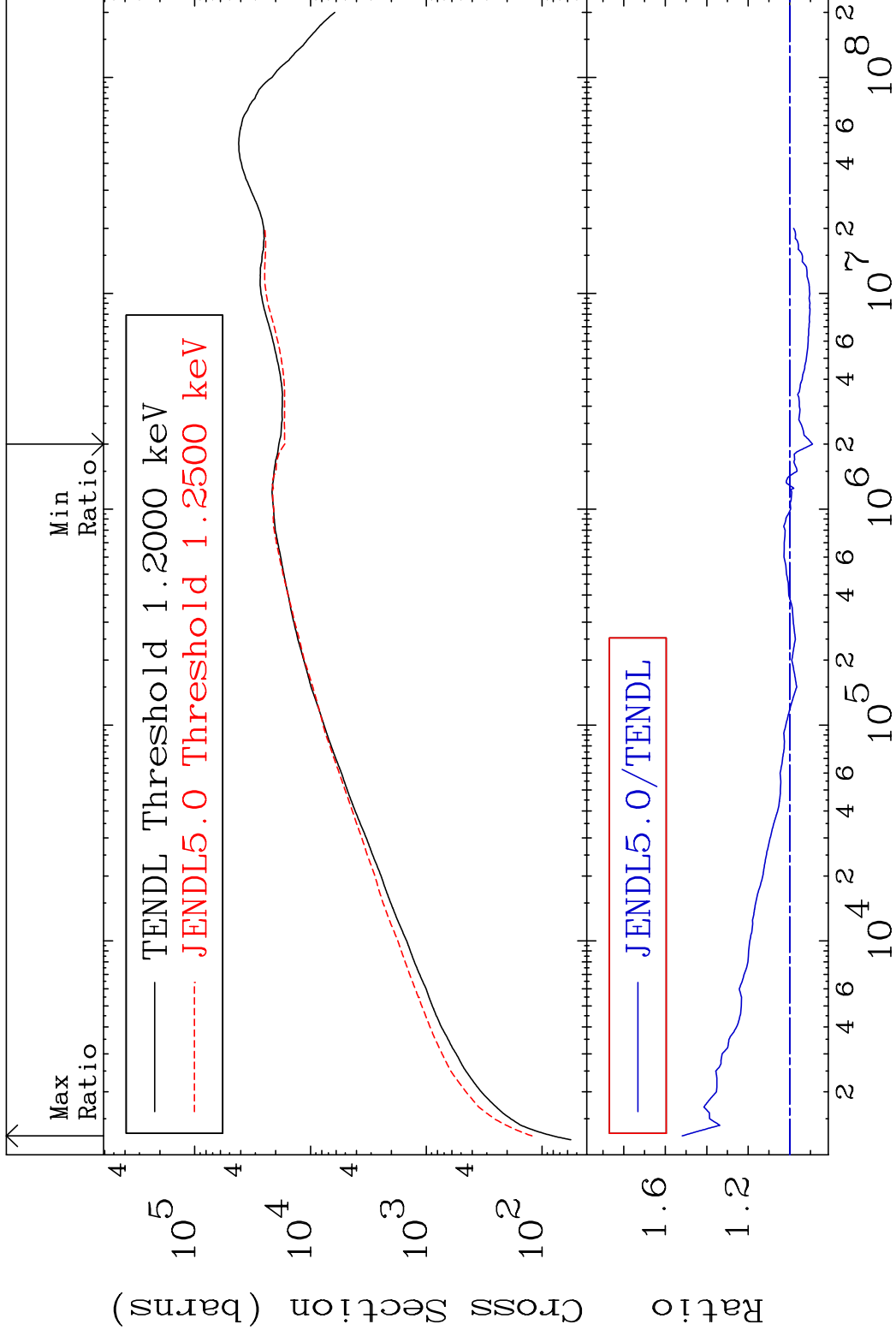


MAT 7225

Dpa elastic (mt2)

72-Hf-174

Cross Section -11.02 To 51.86 %

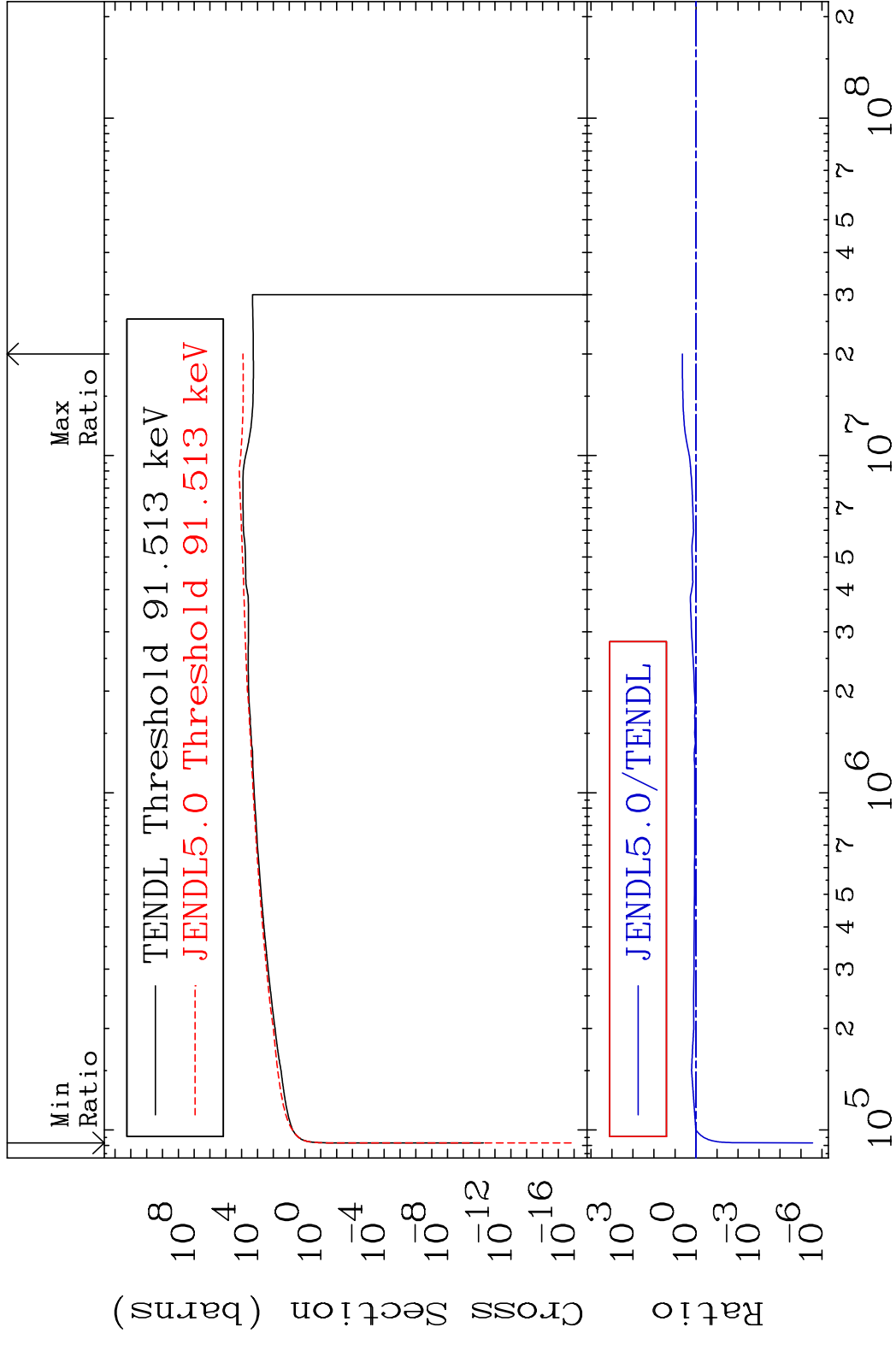


60

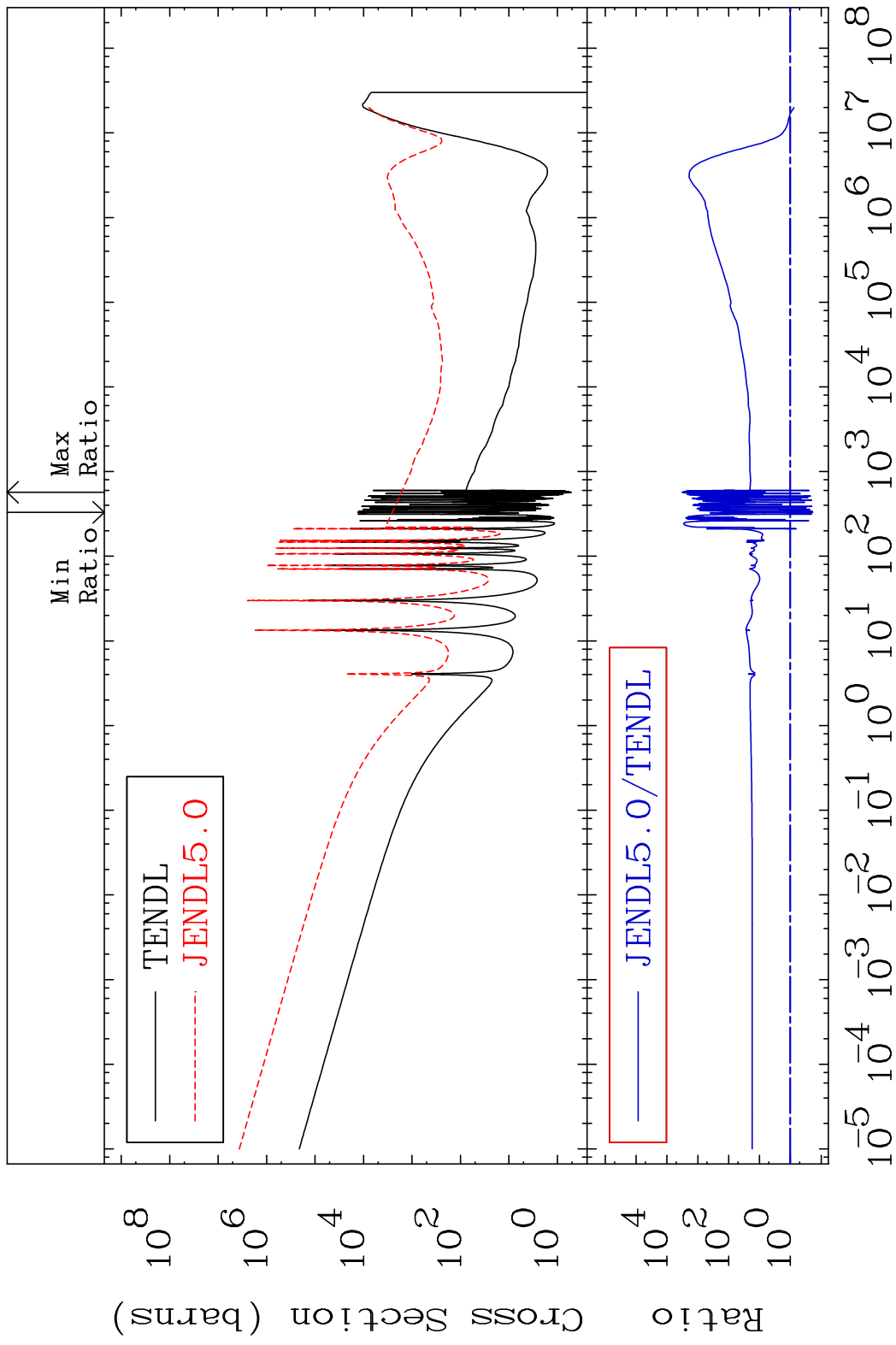
Incident Energy (eV)

72-Hf-174

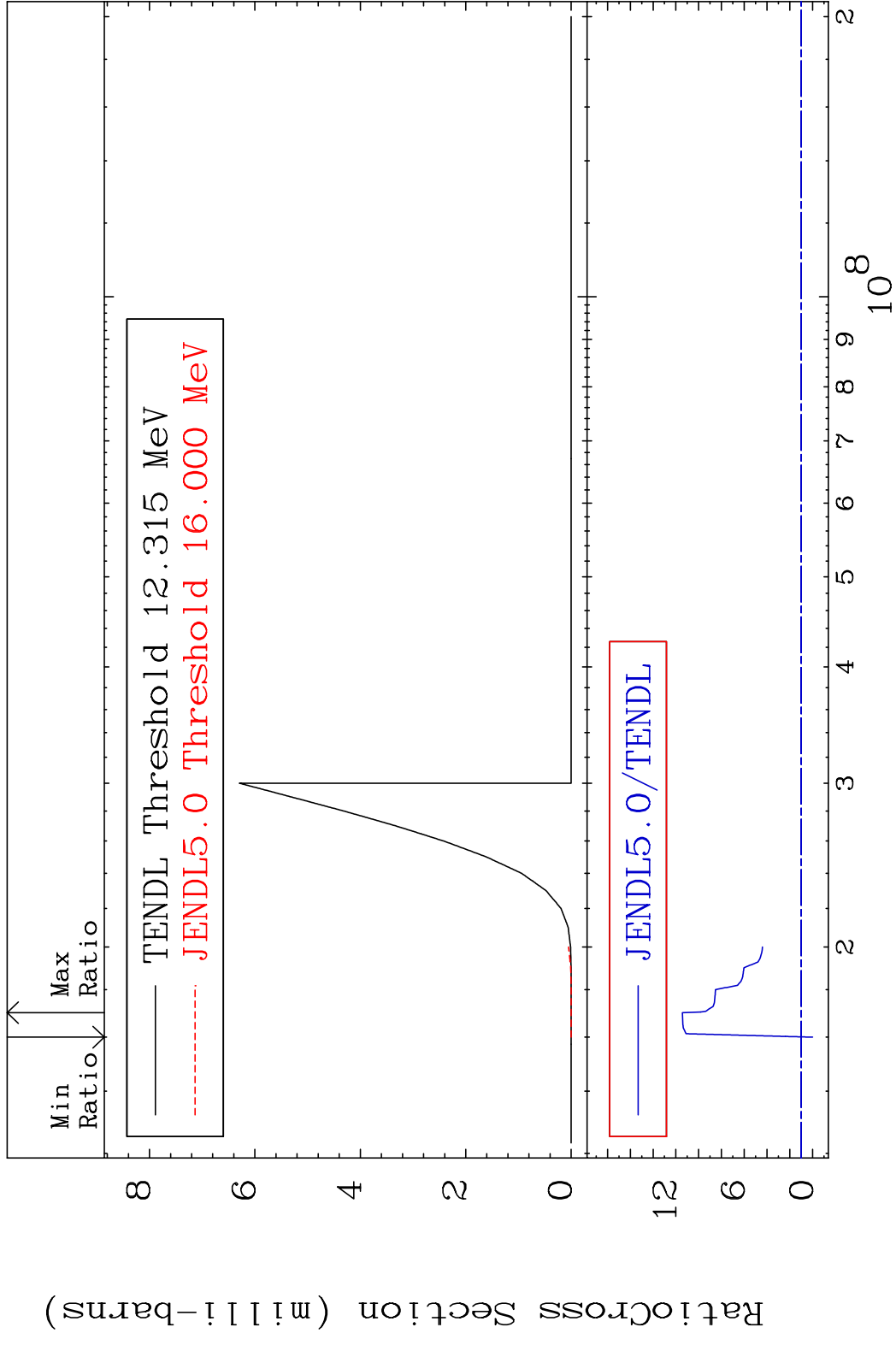
MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 345.9 %

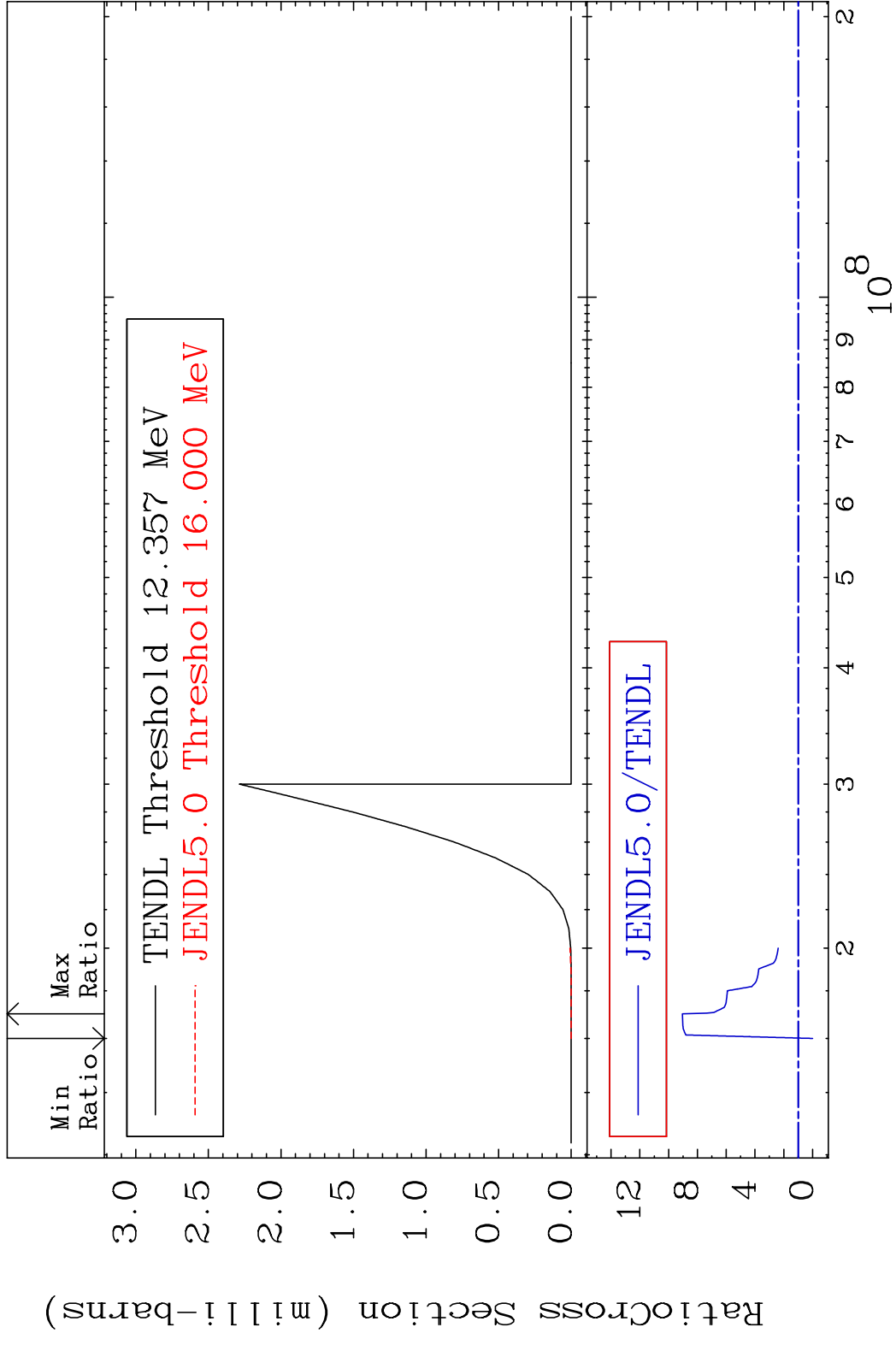


MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -80.92 To 9999. %

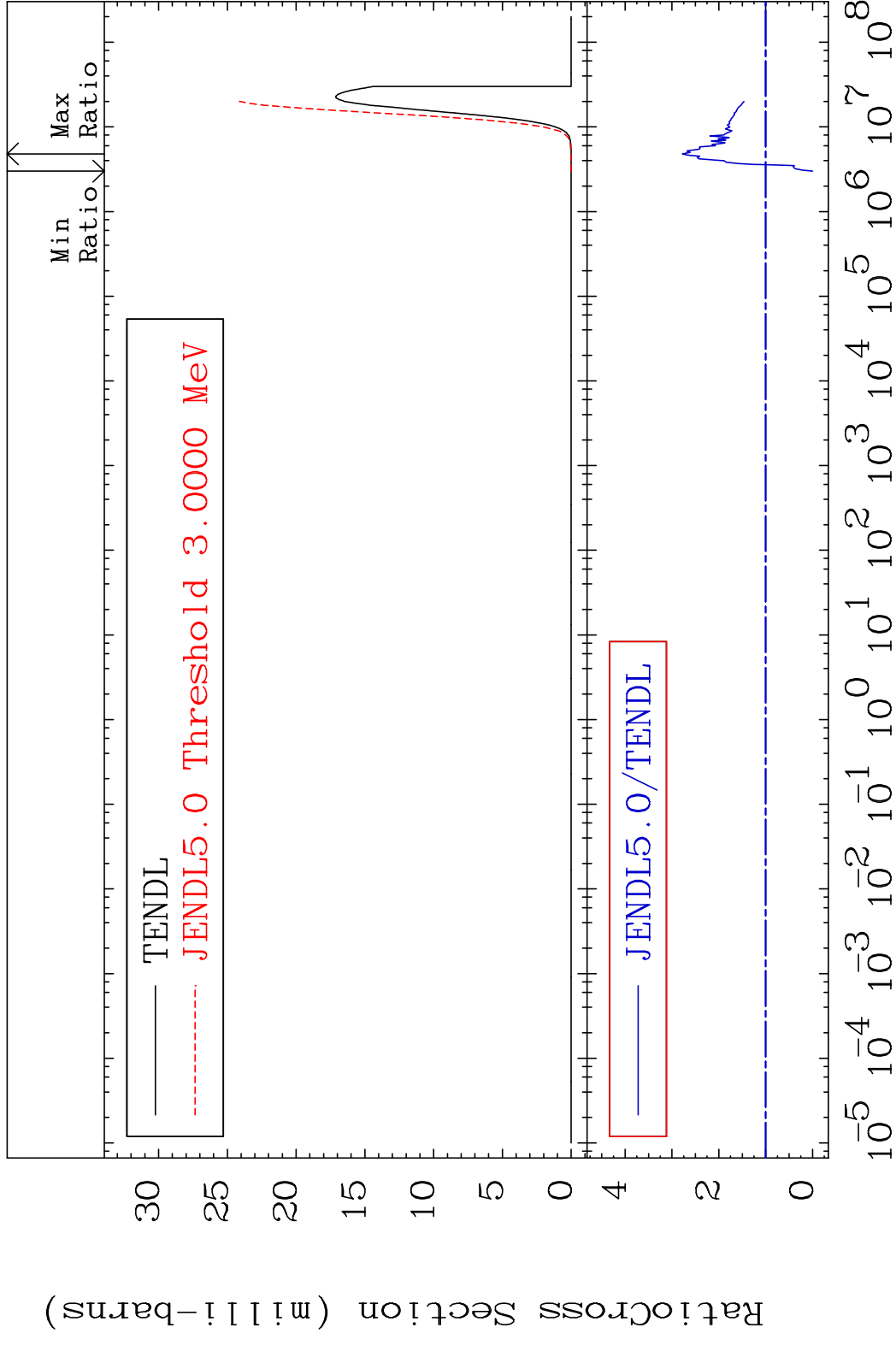


MAT 7225 (n, n') d:71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section 1043. %

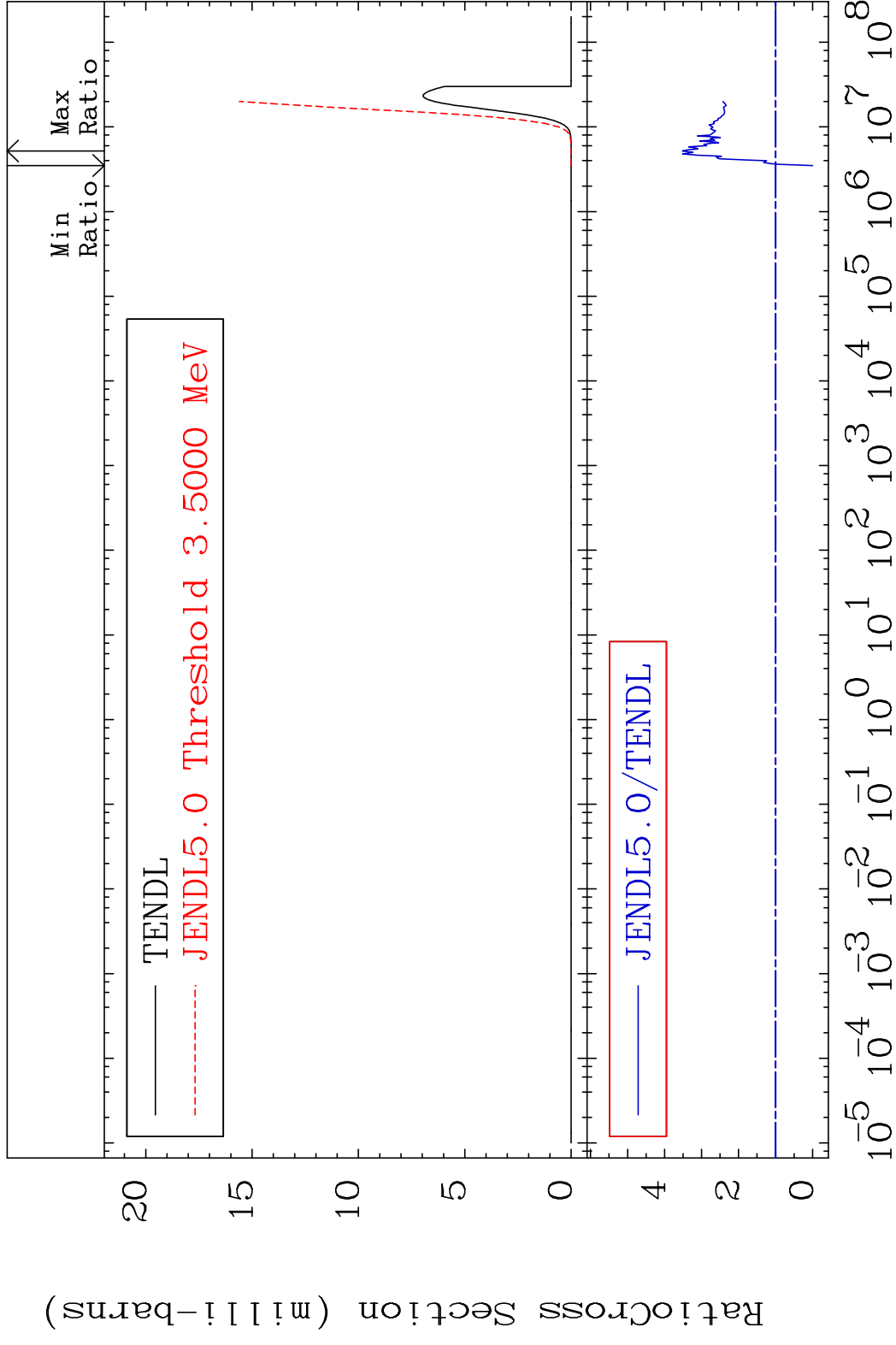




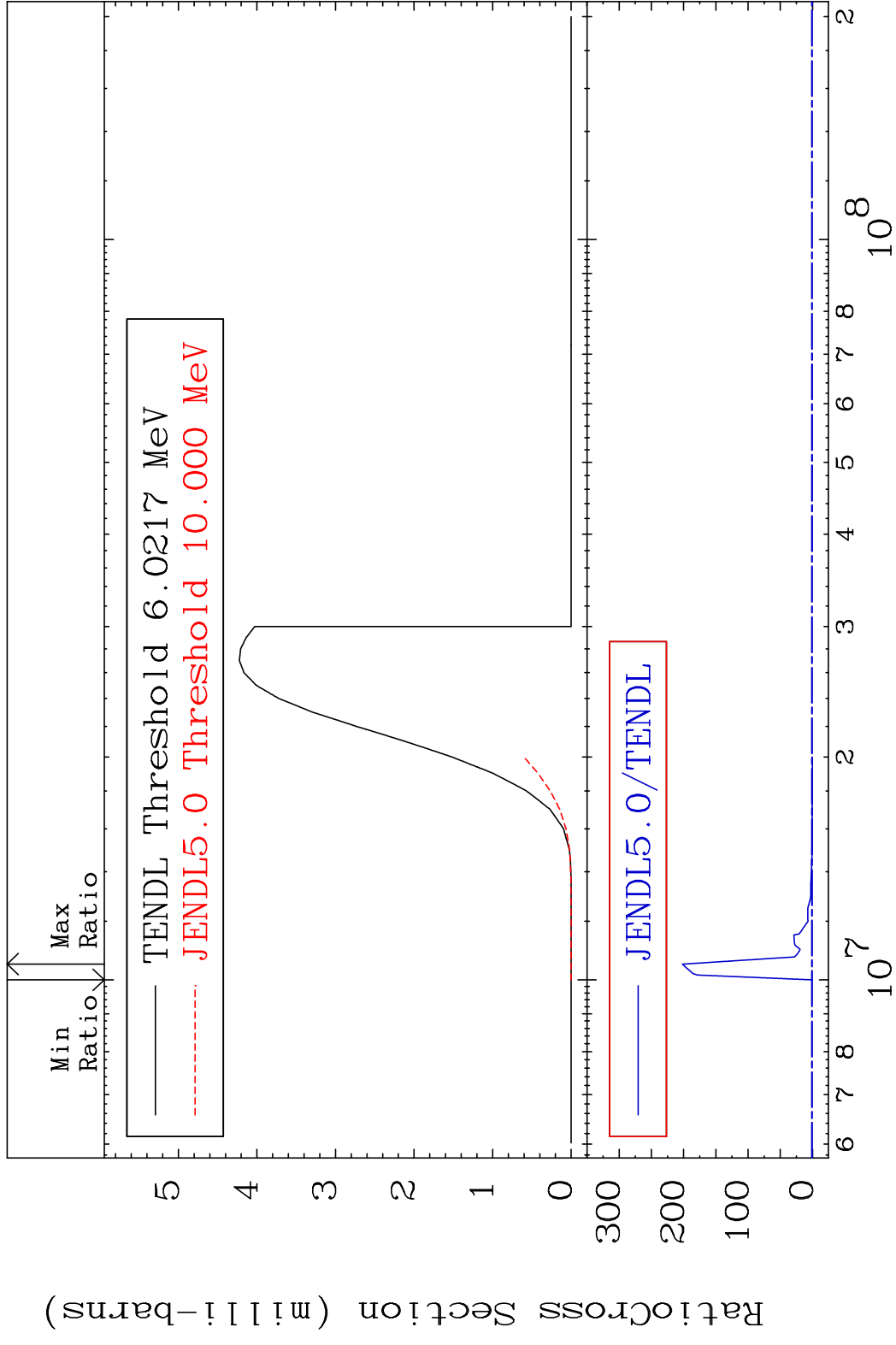
MAT 7225 (n,p):71-Lu-174g 72-Hf-174
 Radionuclide Production Cross Section 180.0 mb 177.9 %



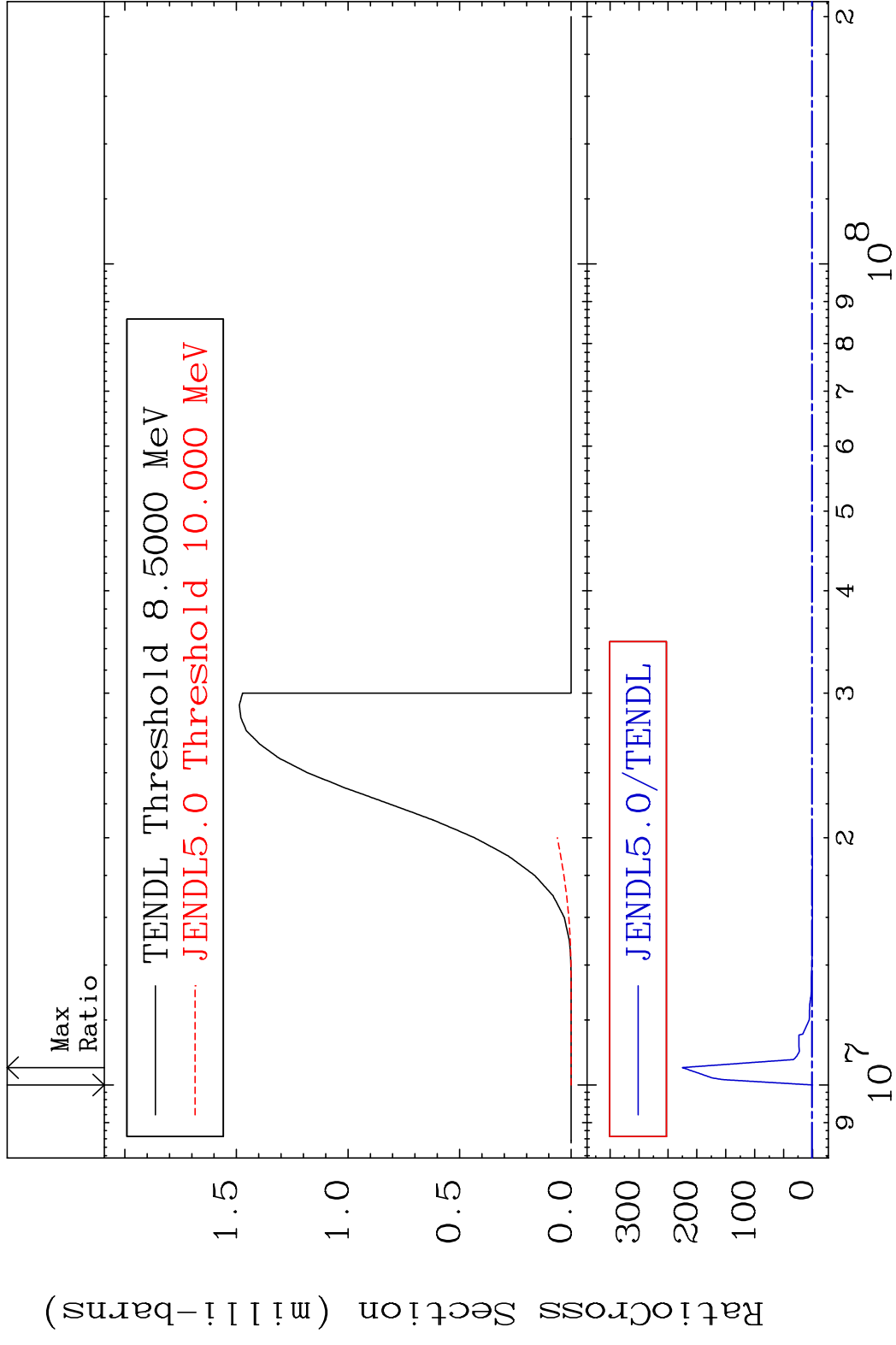
MAT 7225 (n, p): 71-Lu-174m3 72-Hf-174
 Radionuclide Production Cross Section 180.01 dth 251.9 %



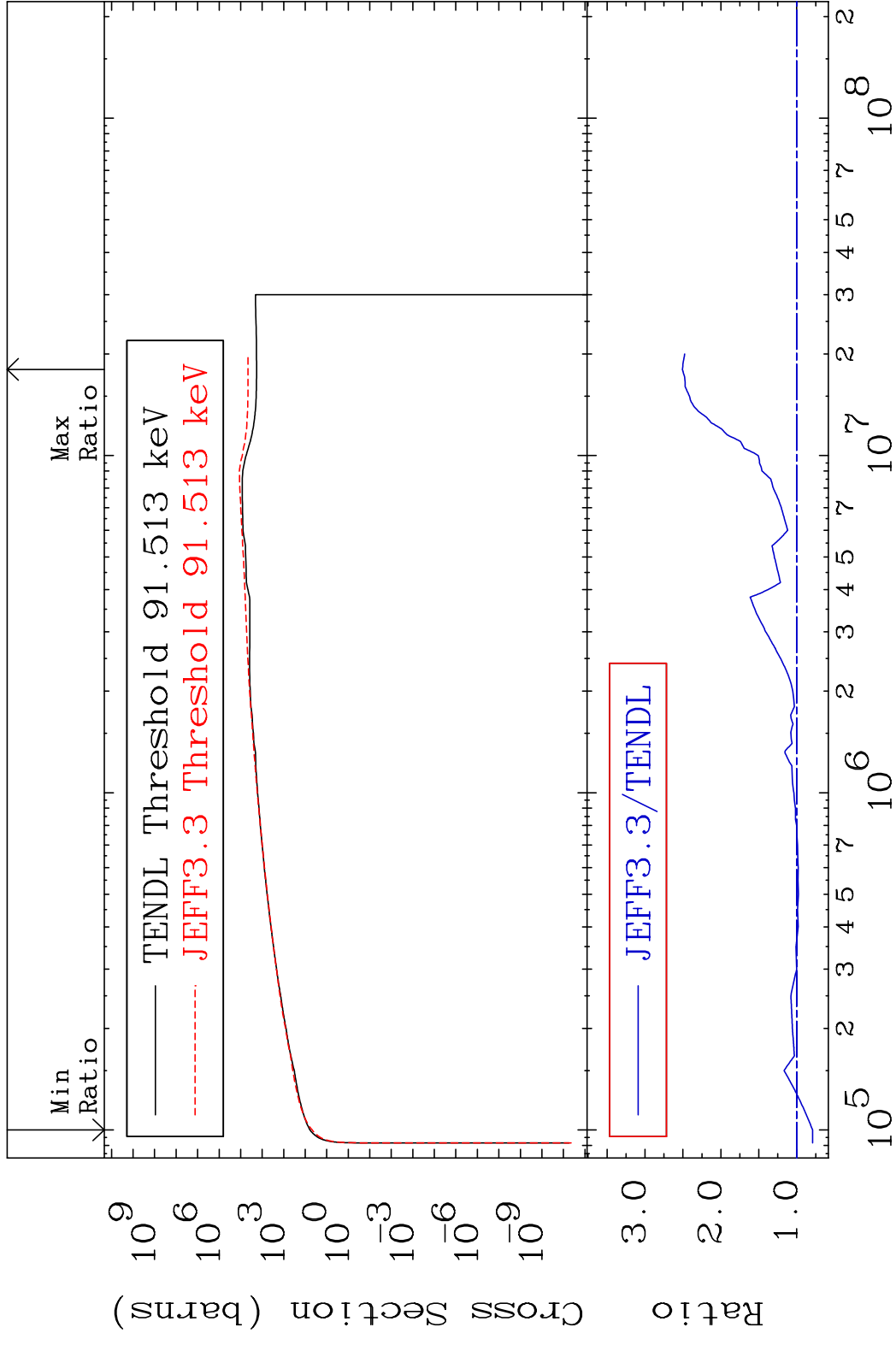
MAT 7225 (n, t): 71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section (%) 9999. %



MAT 7225 (n, t):71-Lu-172m1 72-Hf-174
 Radionuclide Production Cross Section Ratio 9999. %

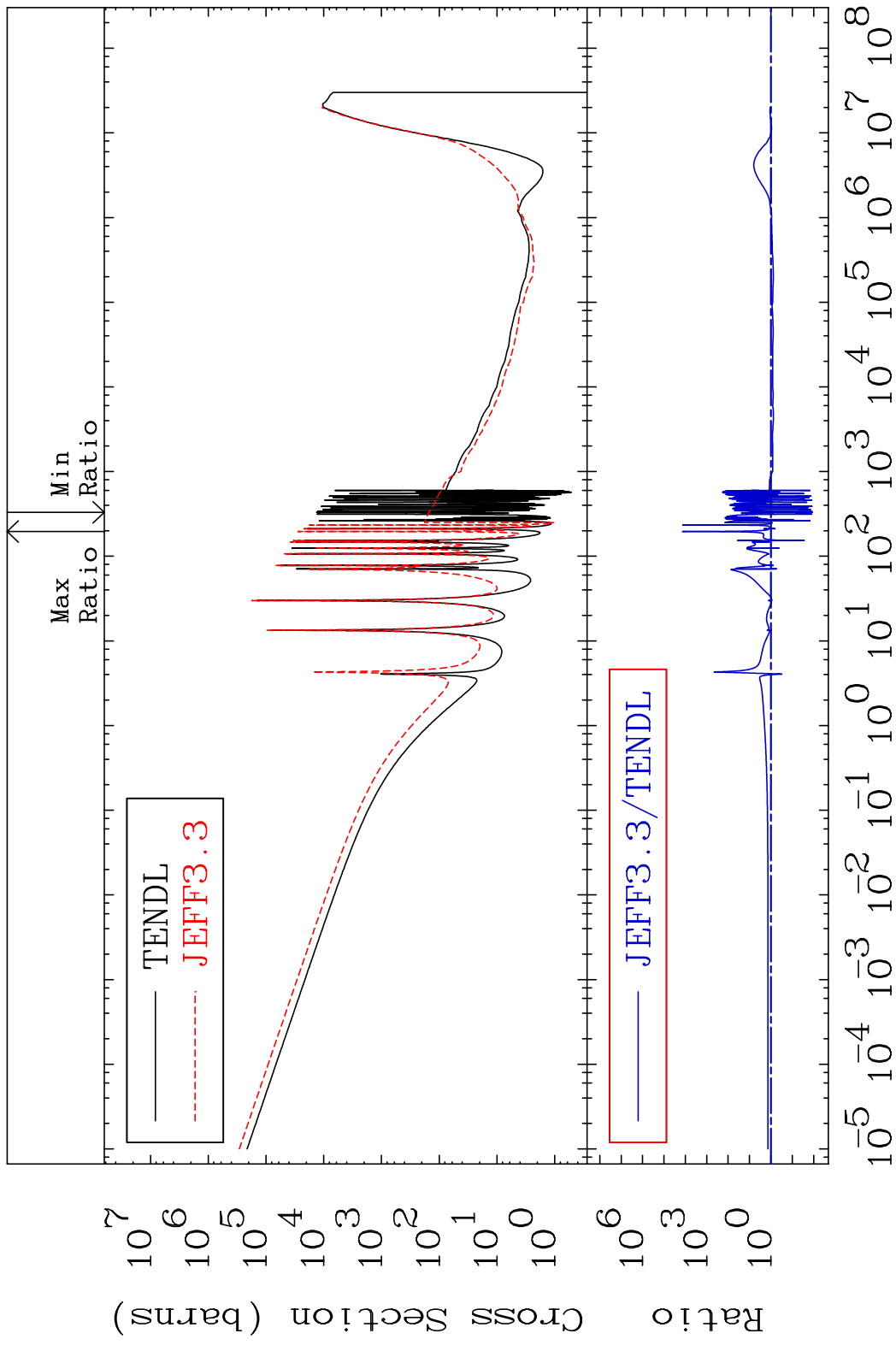


MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -20.85 To 150.7 %

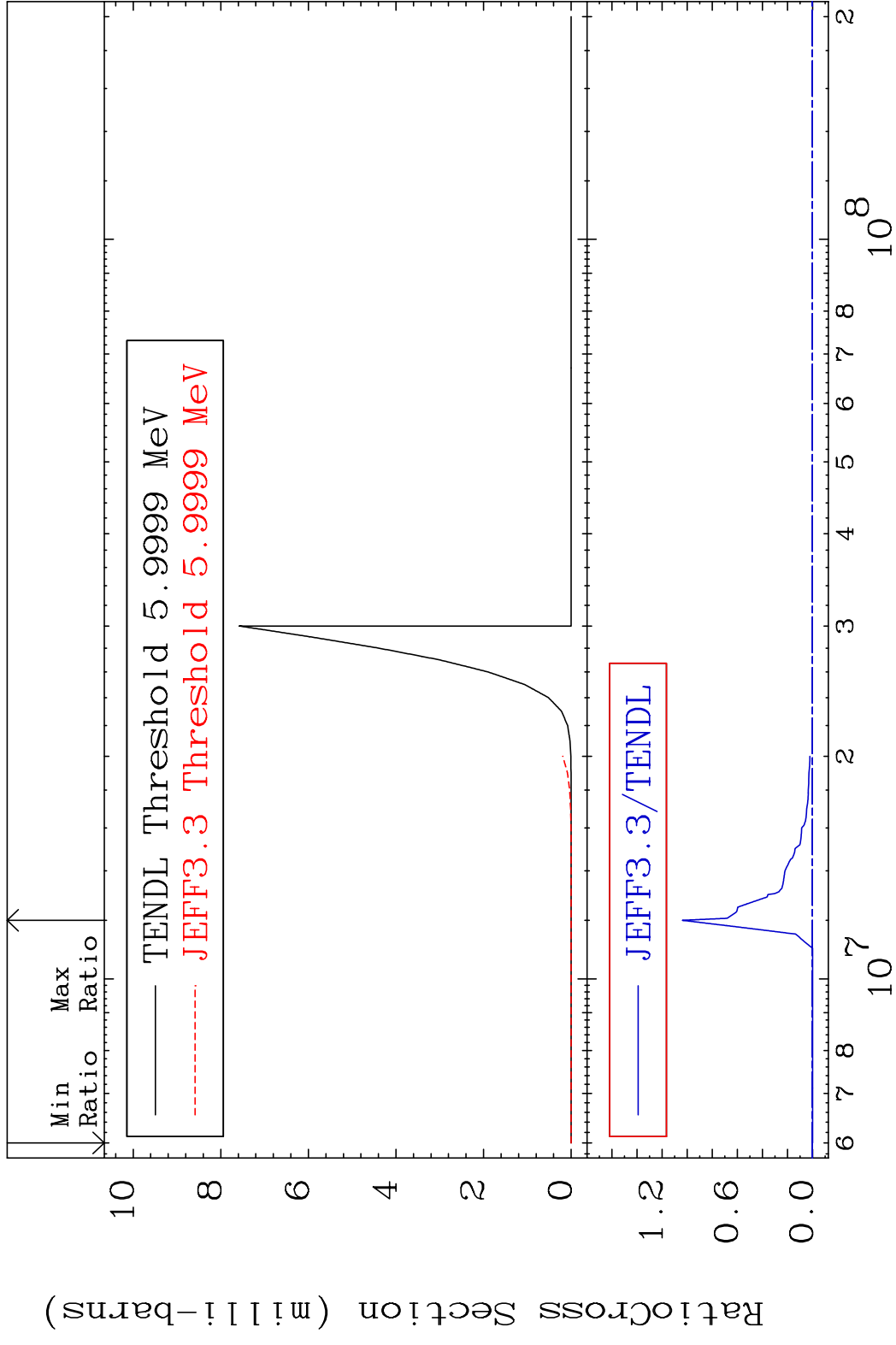


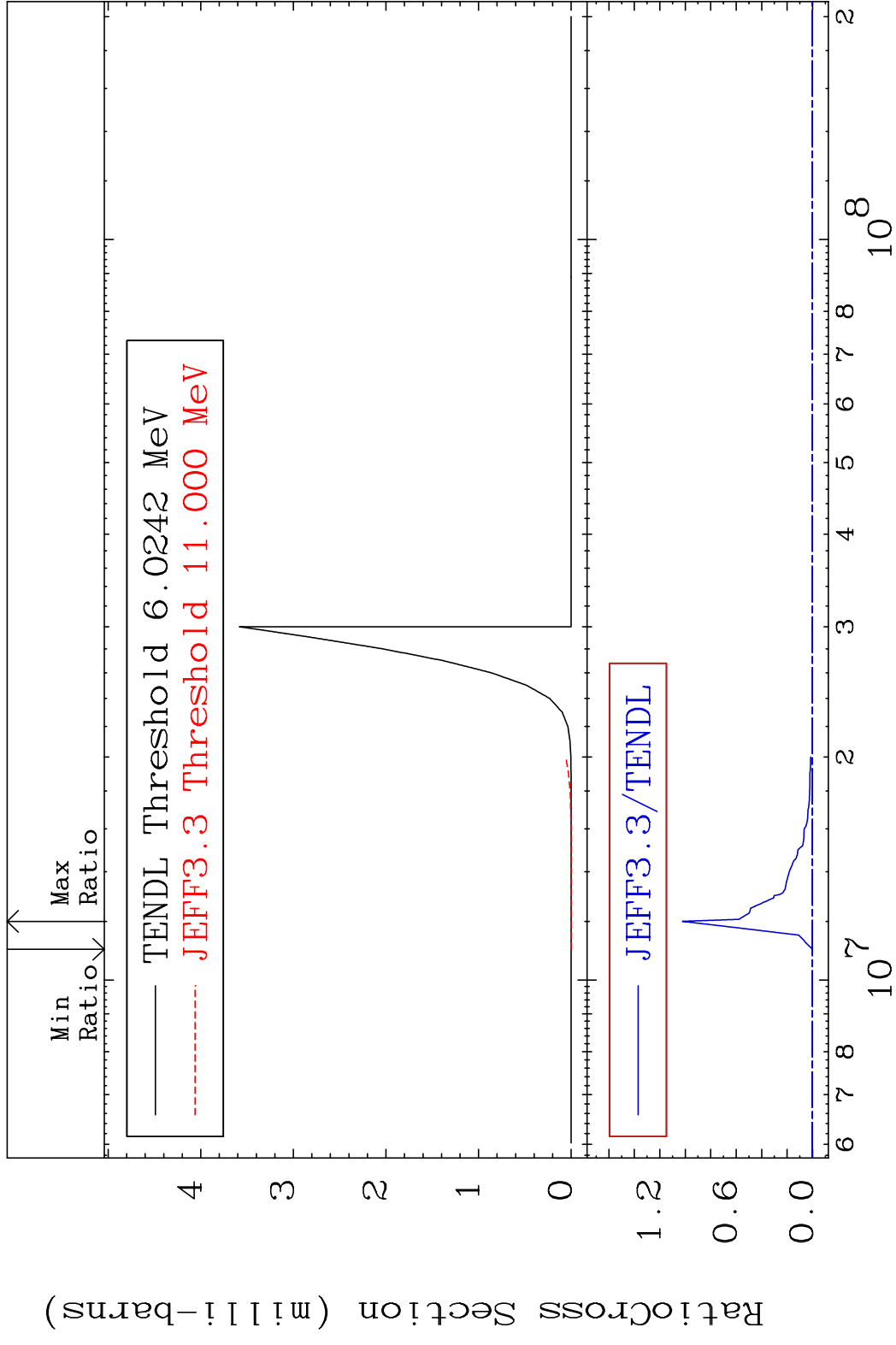
69 Incident Energy (eV) 72-Hf-174

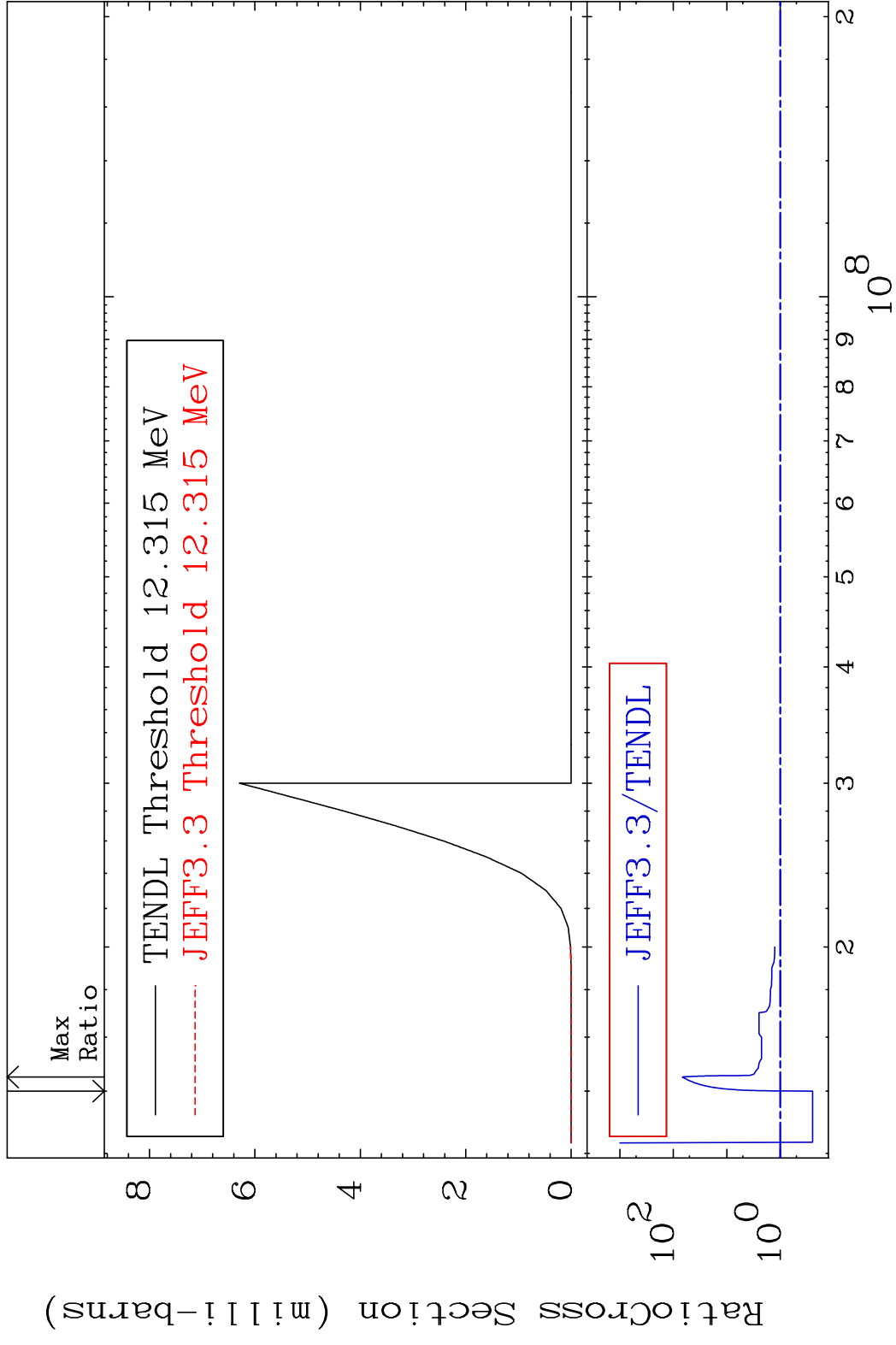
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -98.88 To 9999. %

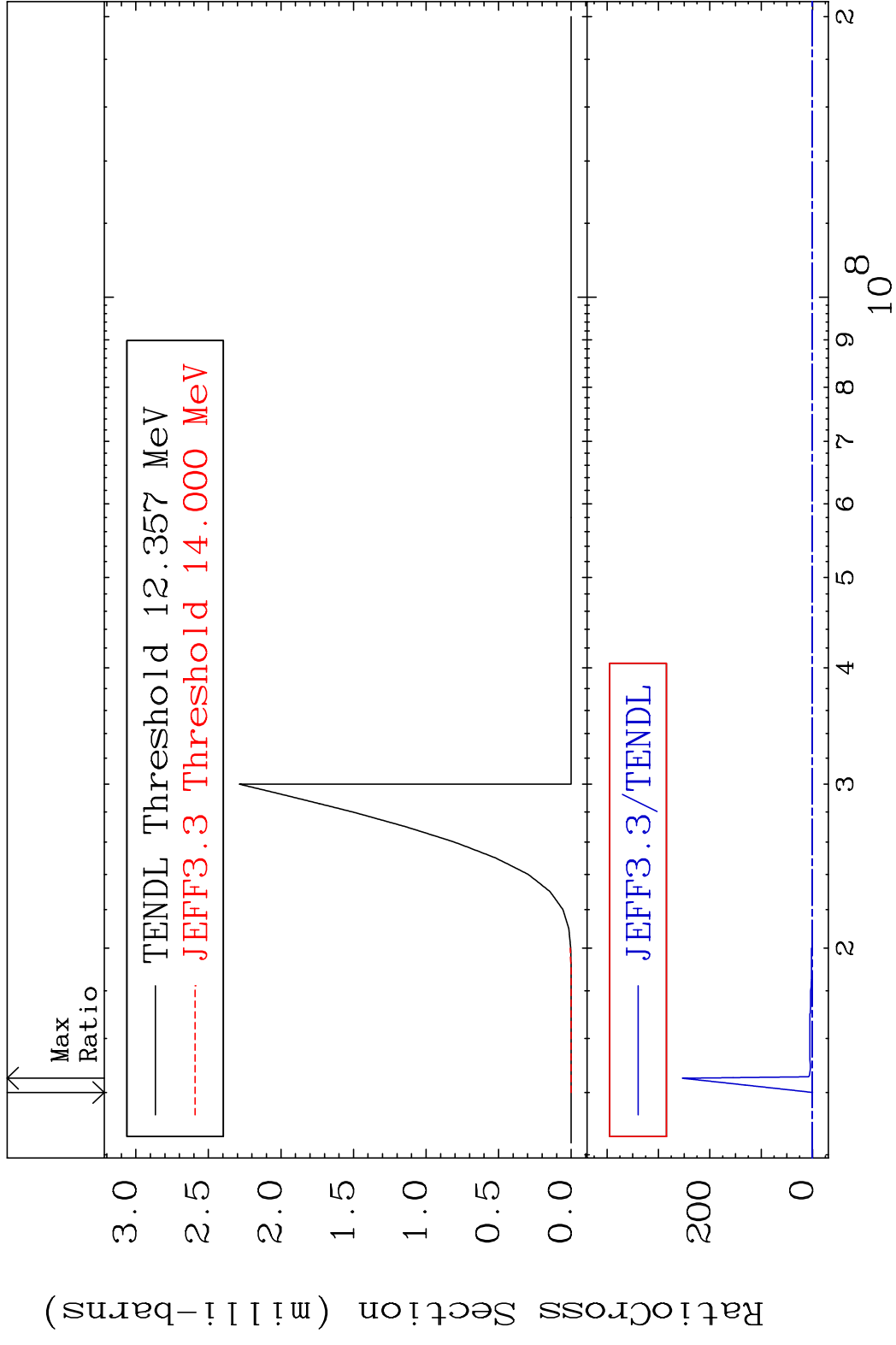


70 Incident Energy (eV) 72-Hf-174

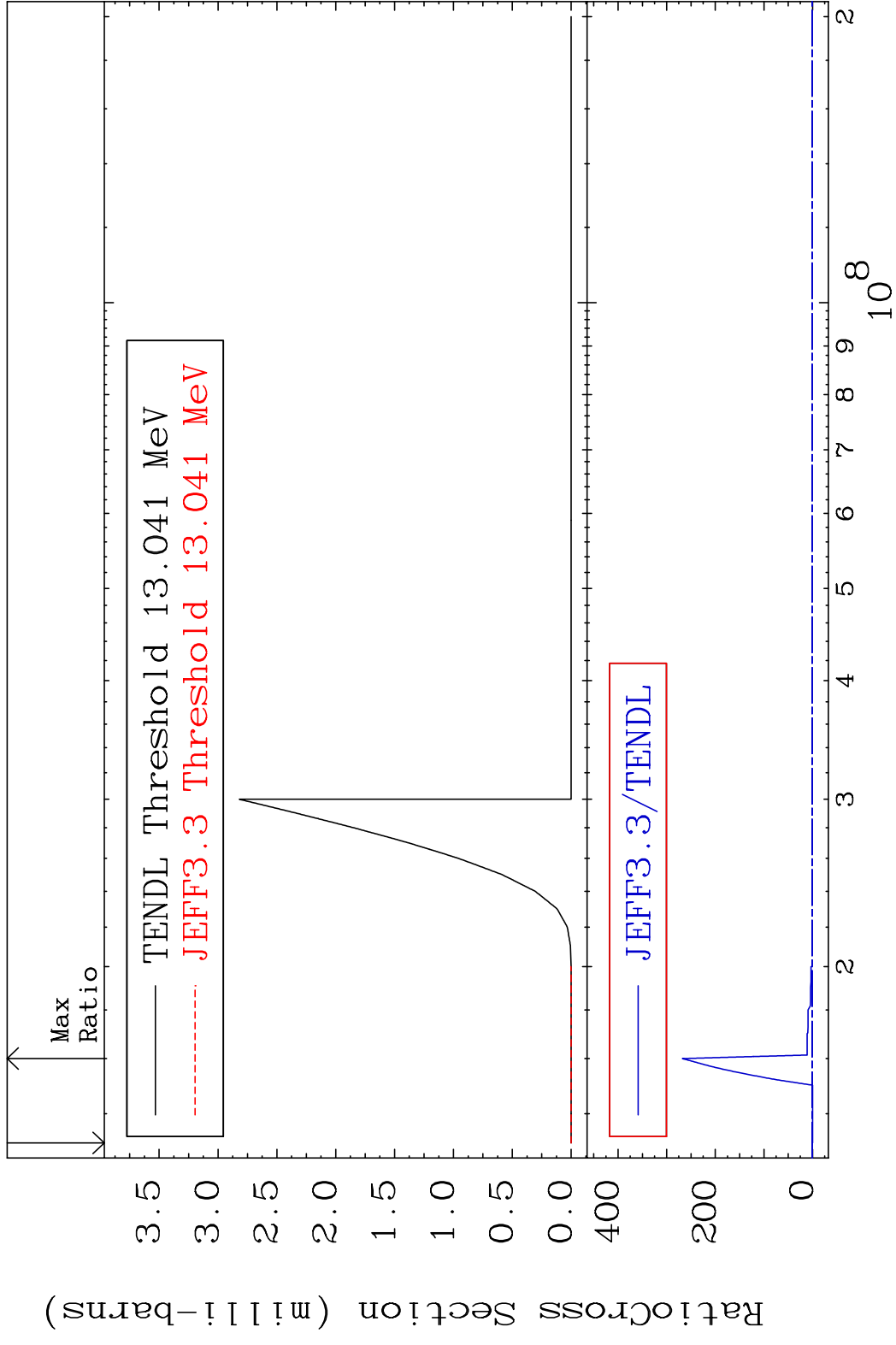


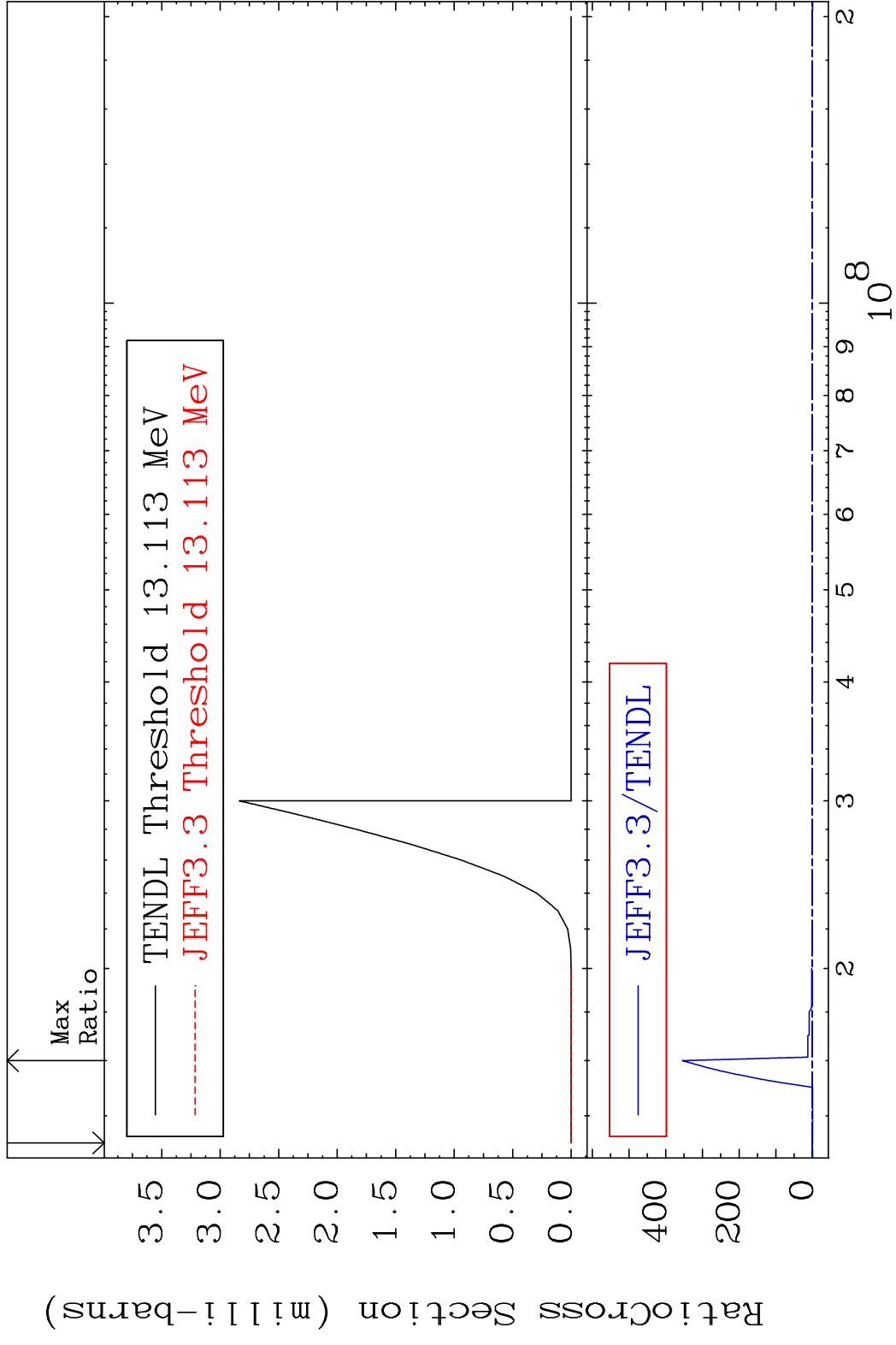


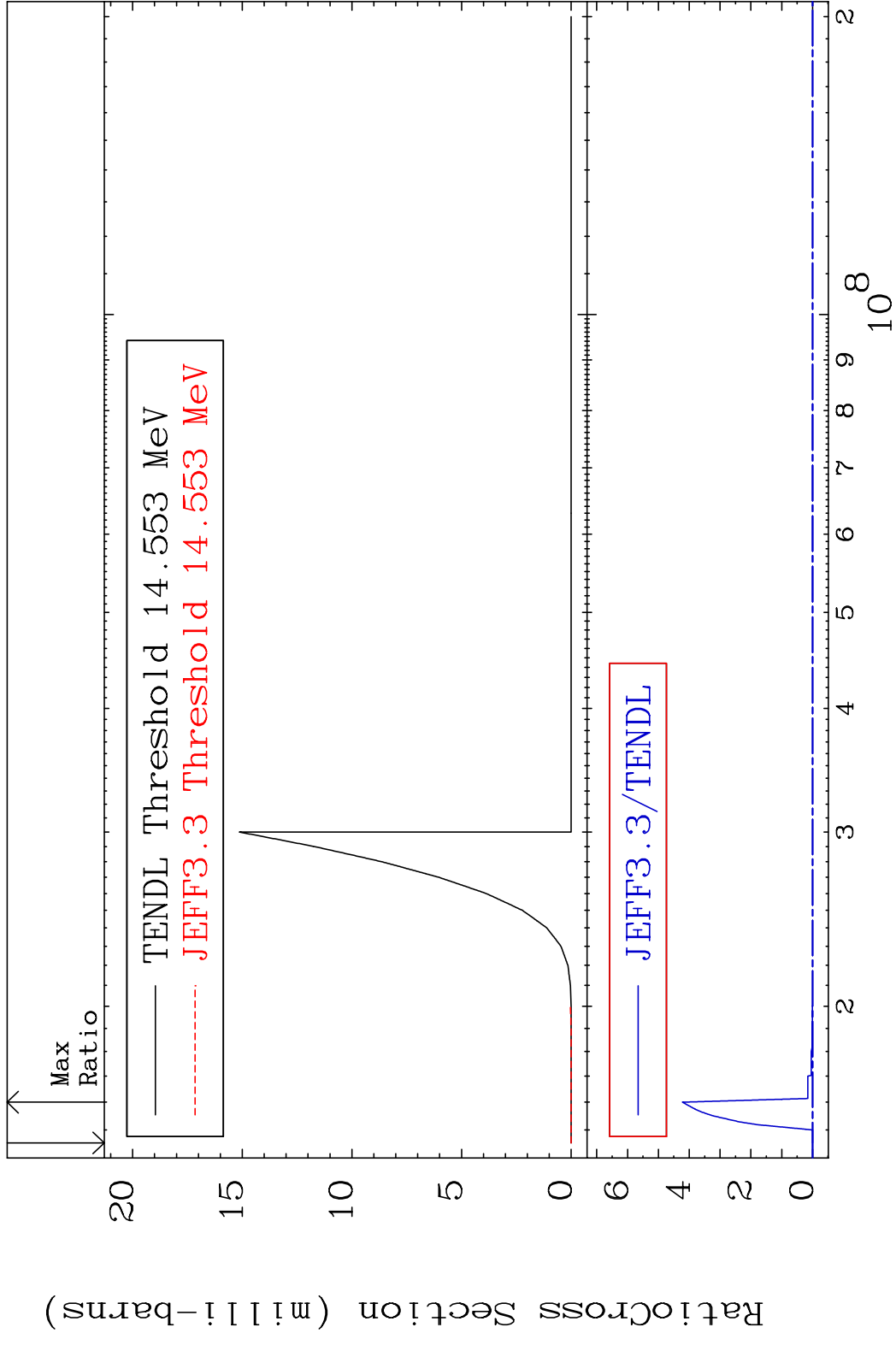


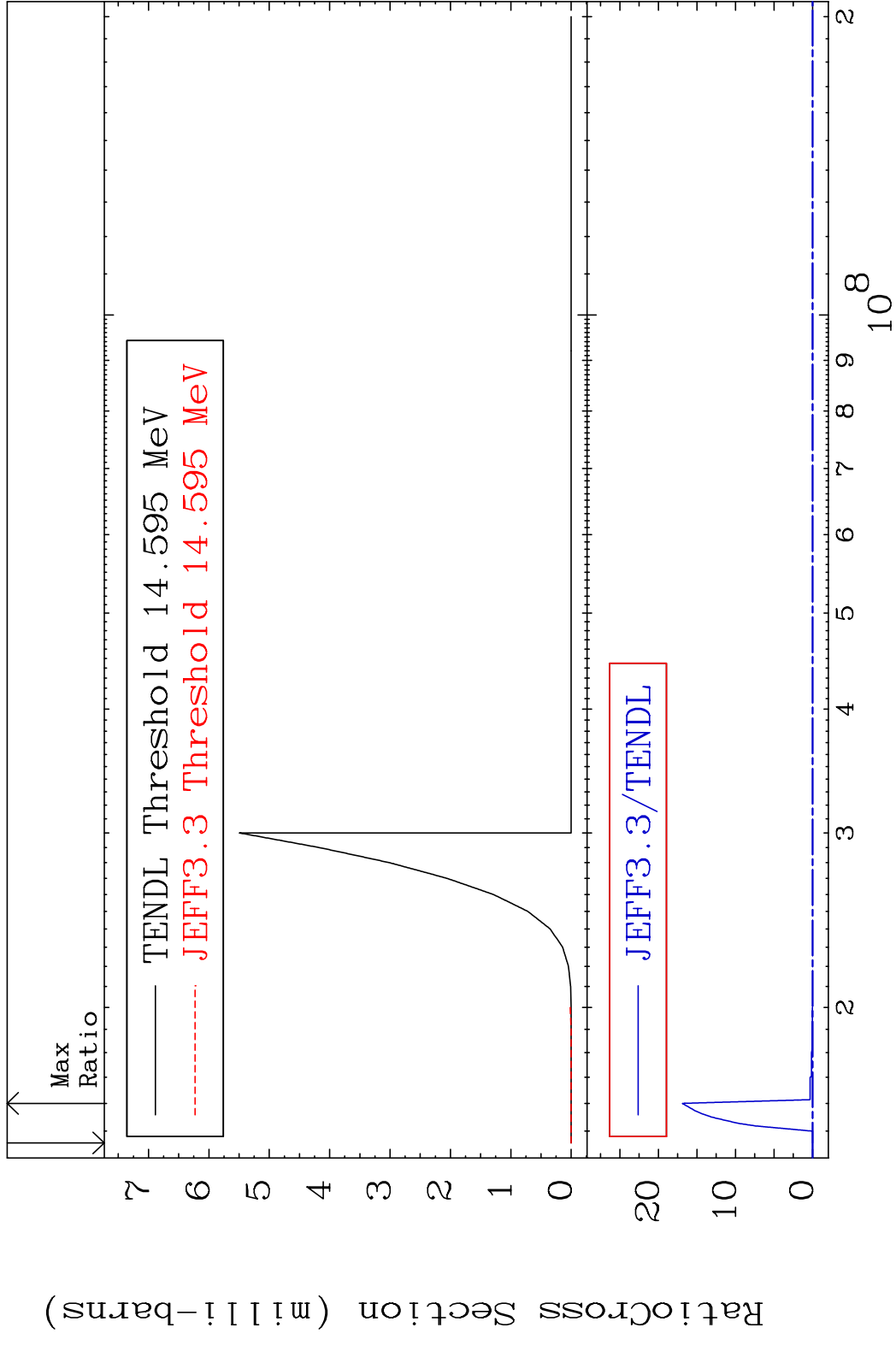


MAT 7225 (n, n') t:71-Lu-171g 72-Hf-174
 Radionuclide Production Cross Section Ratio 9999. %

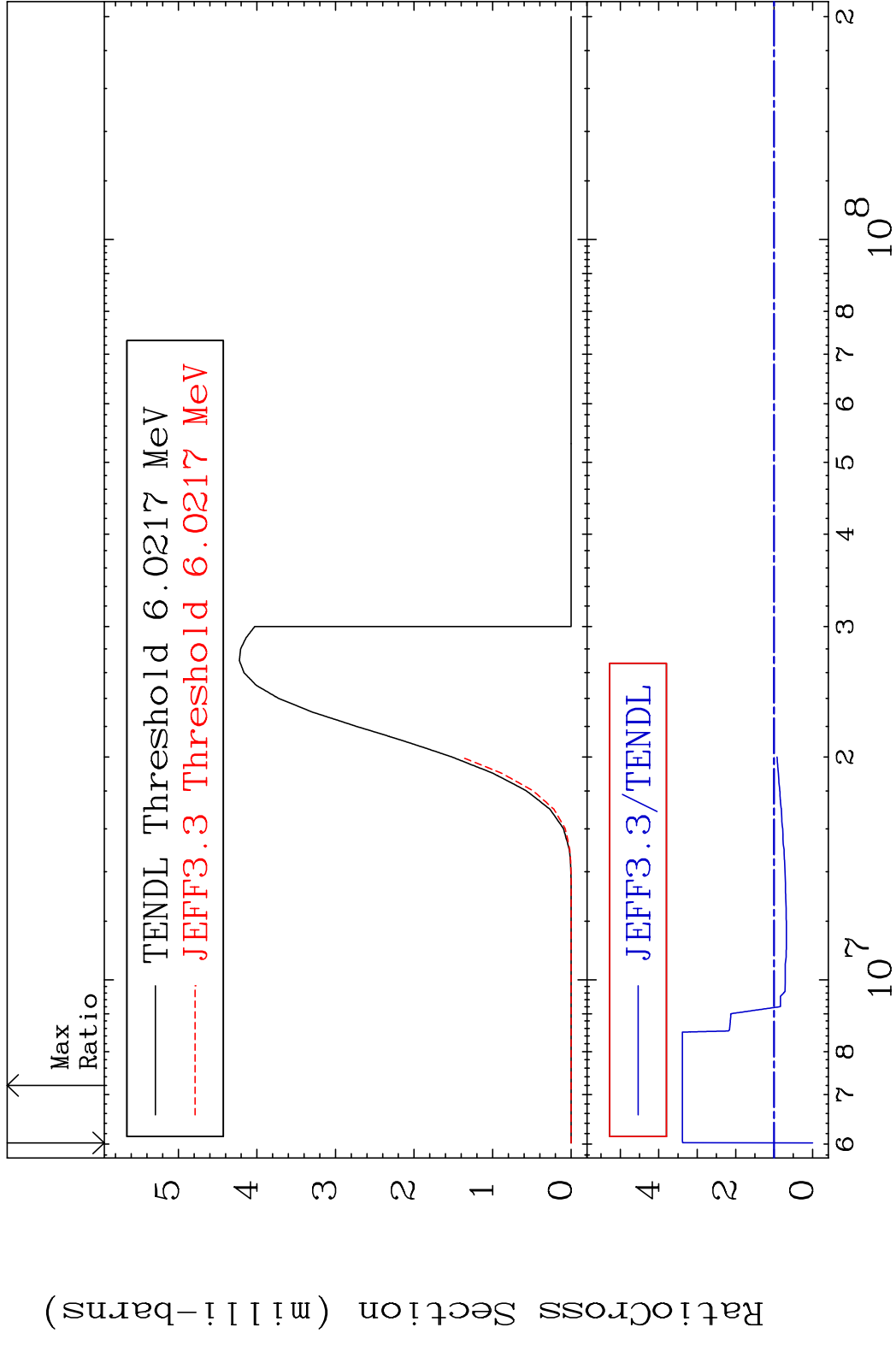




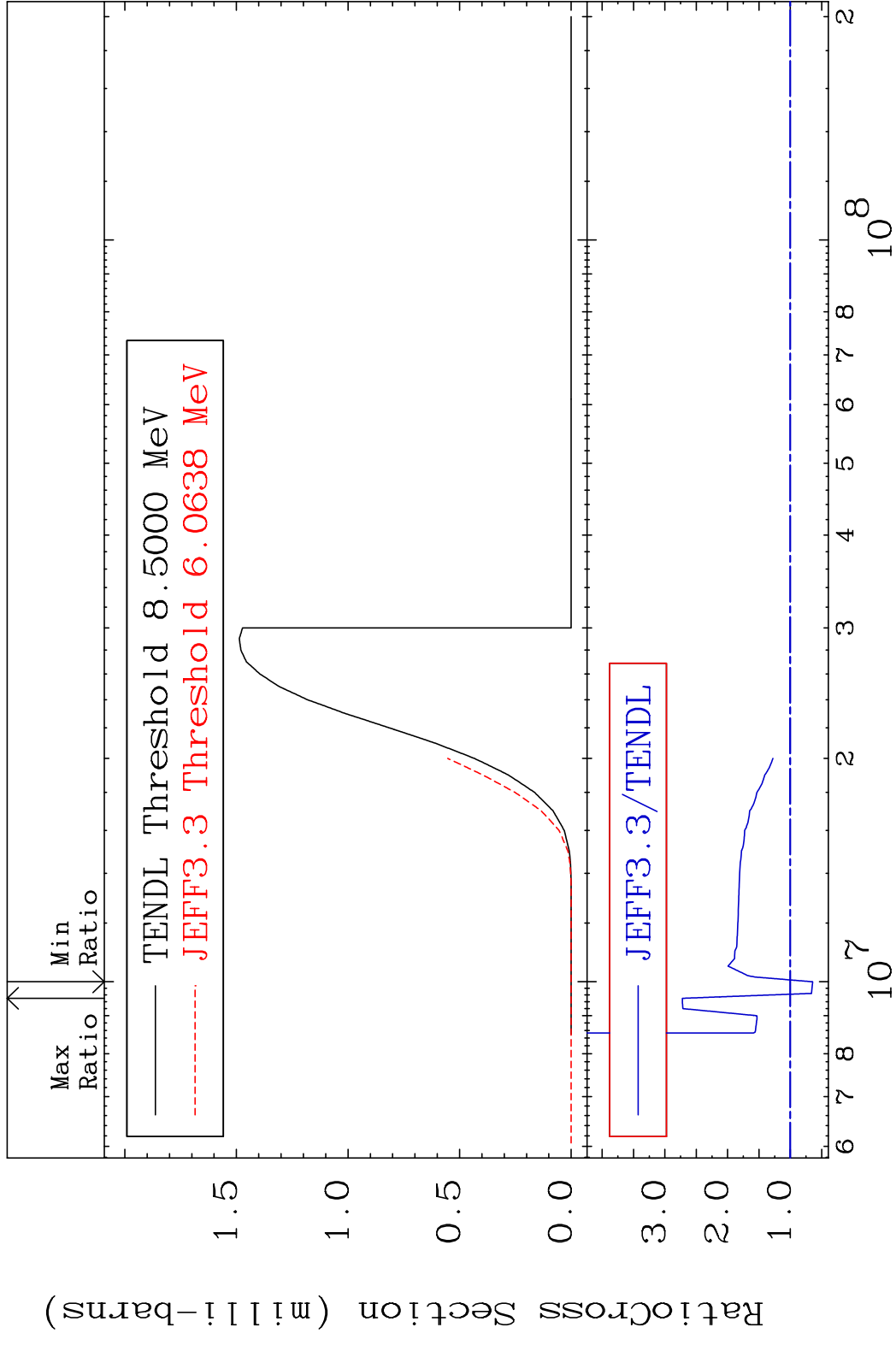




MAT 7225 (n, t): 71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section 180.0 mb 238.6 %



MAT 7225 (n, t): 71-Lu-172m1 72-Hf-174
 Radionuclide Production Cross Section 172.2 %



80 Incident Energy (eV) 72-Hf-174