

Program Complot
(Version 2021-1)

by

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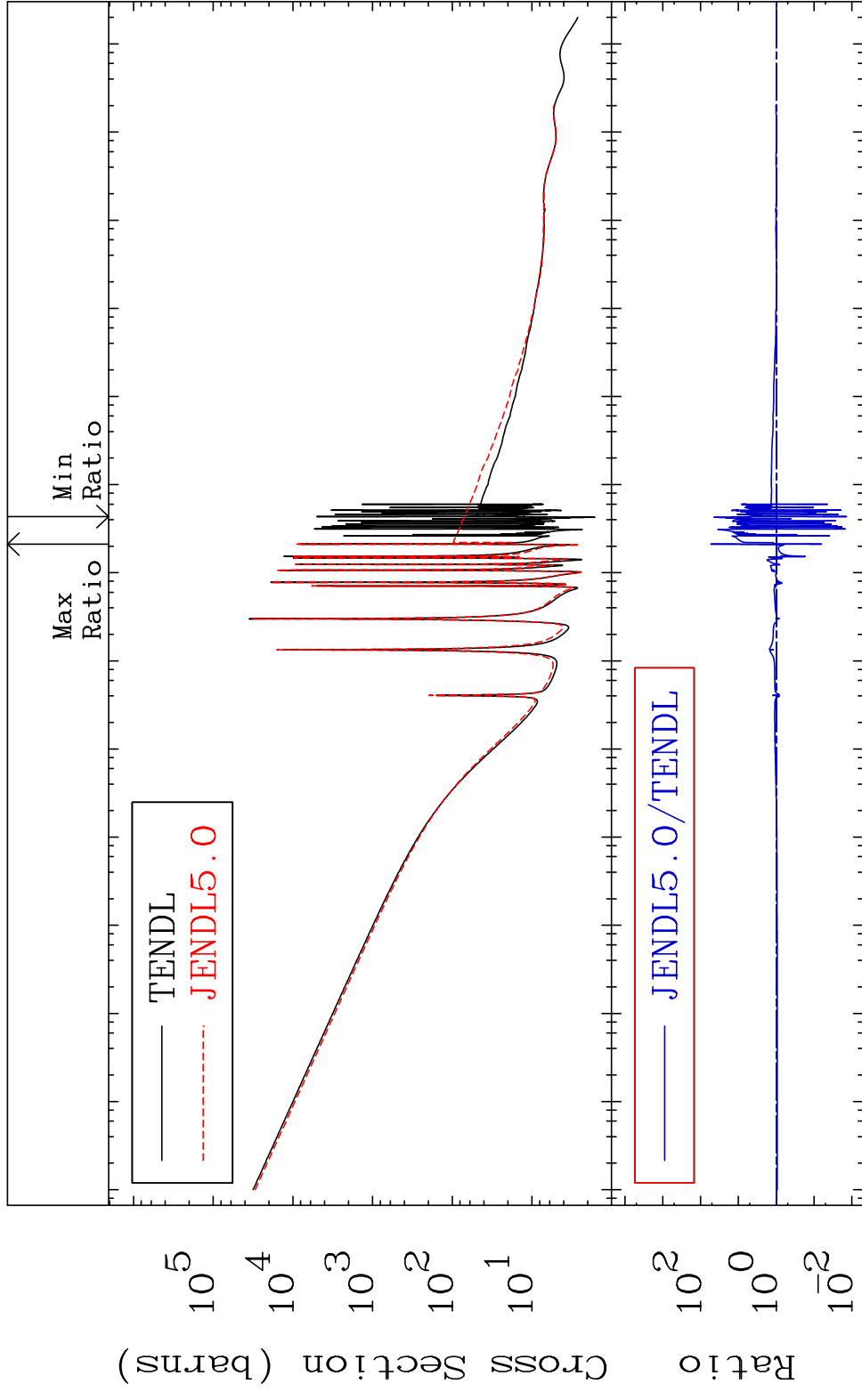
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7225

Total Cross Section -98.60 To 5295. %

72-Hf-174



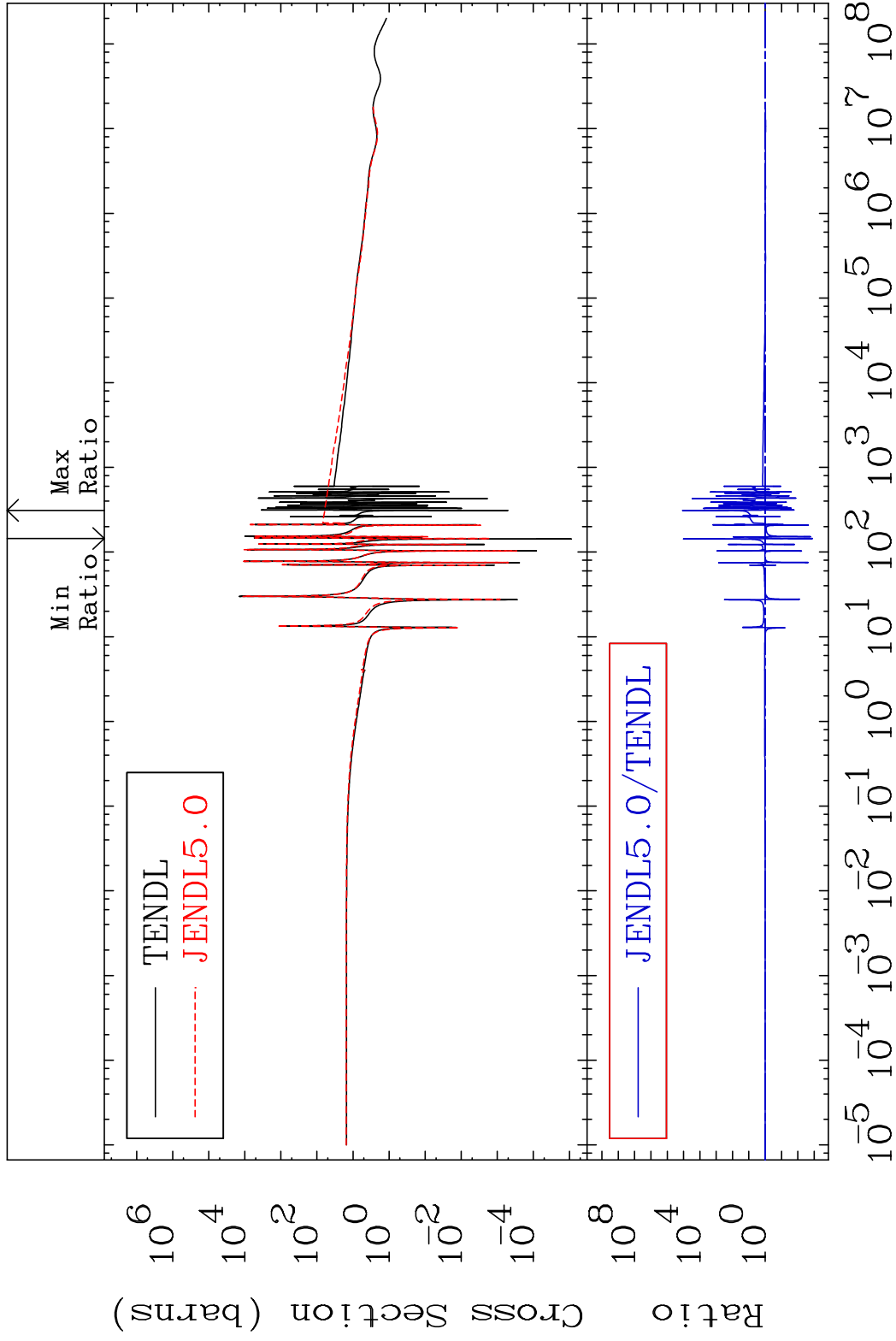
1 Incident Energy (eV) 72-Hf-174

MAT 7225

Elastic

72-Hf-174

Cross Section -99.88 To 9999. %

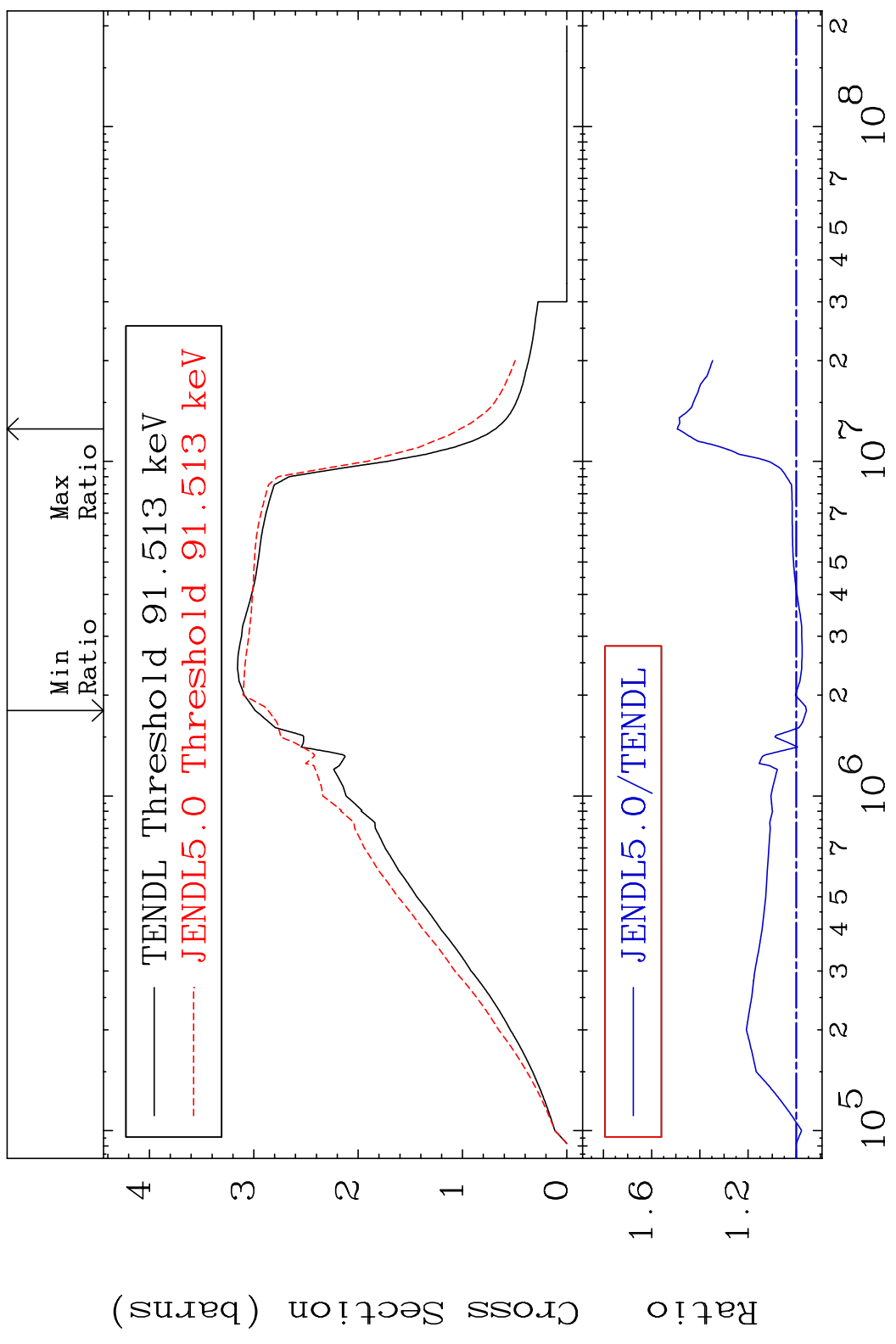


MAT 7225

Inelastic

72-Hf-174

Cross Section -4.181 To 49.42 %



3

Incident Energy (eV)

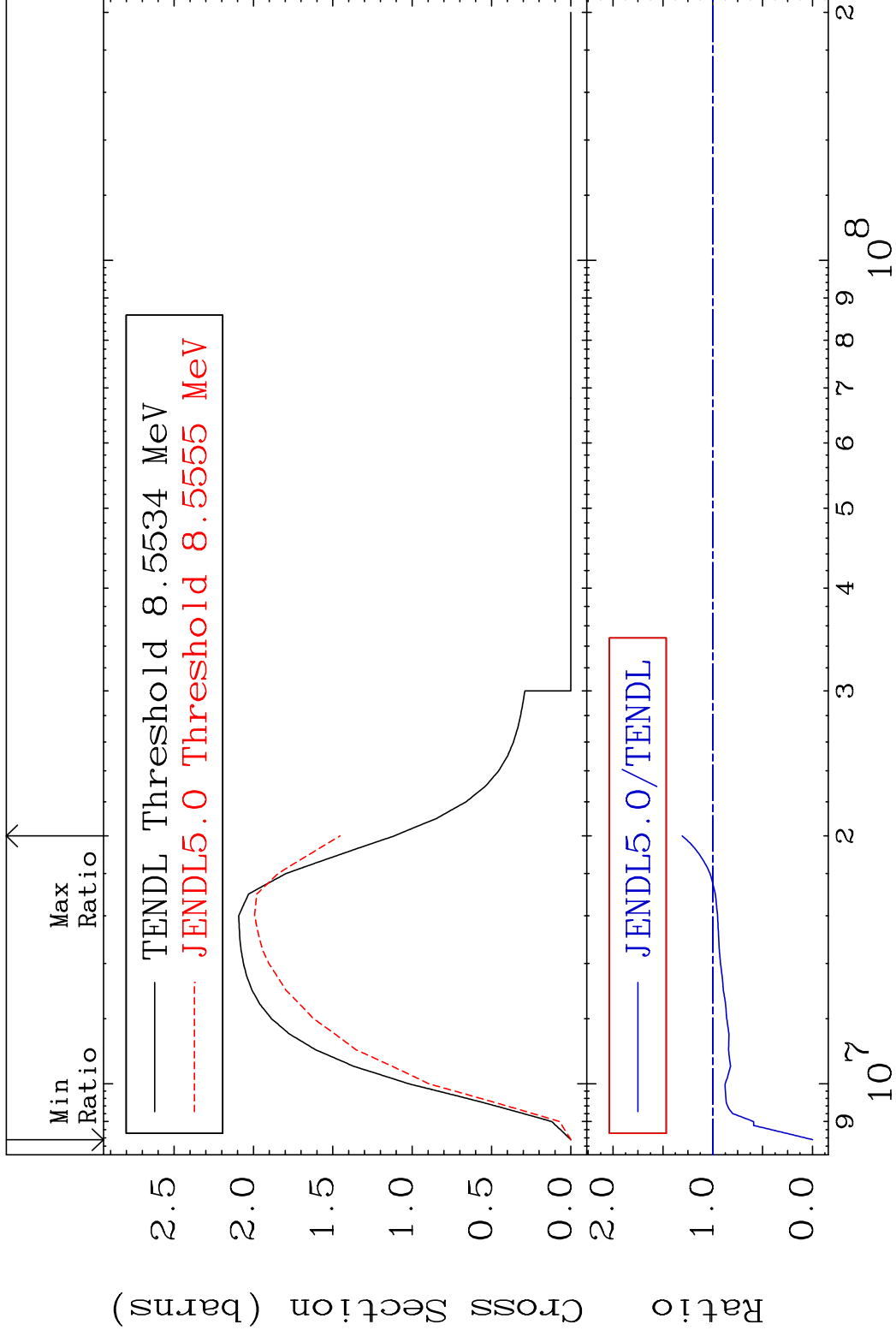
72-Hf-174

MAT 7225

(n,2n)

72-Hf-174

Cross Section -100.0 To 30.72 %



4

Incident Energy (eV)

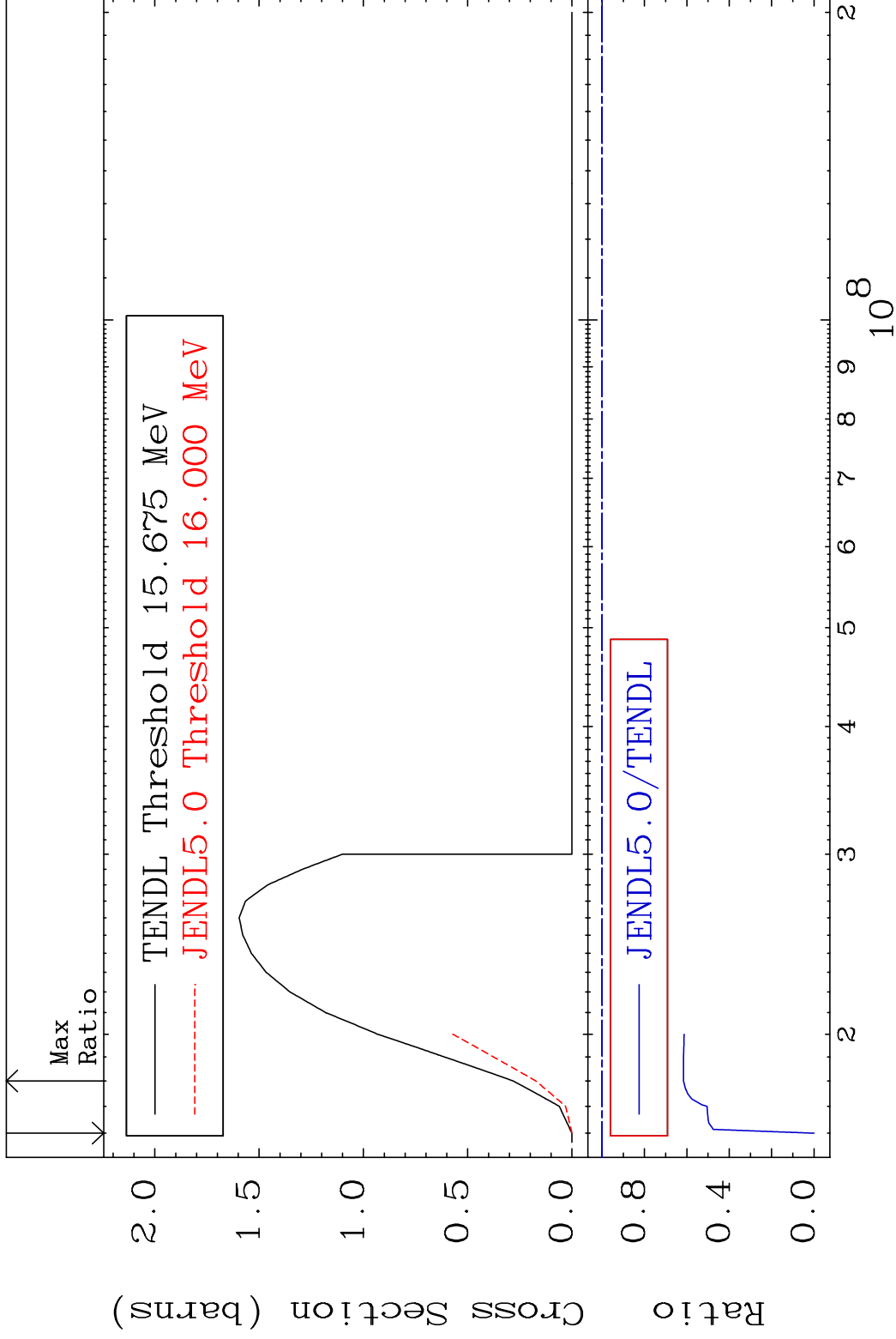
72-Hf-174

MAT 7225

(n,3n)

72-Hf-174

Cross Section -100.0 To -38.39%



5

Incident Energy (eV)

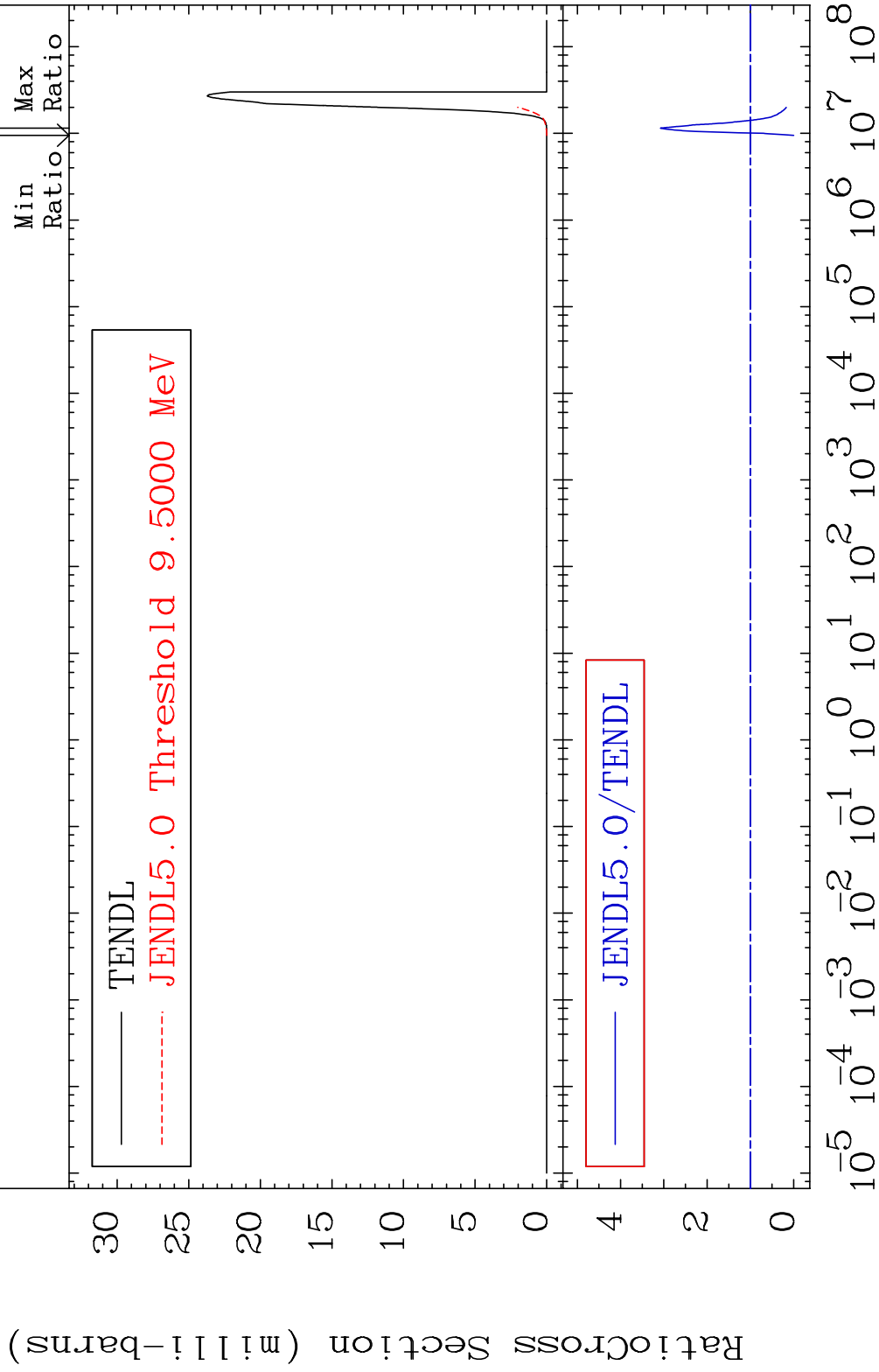
72-Hf-174

MAT 7225

(n, n') α

72-Hf-174

Cross Section -100.0 To 207.9 %



6

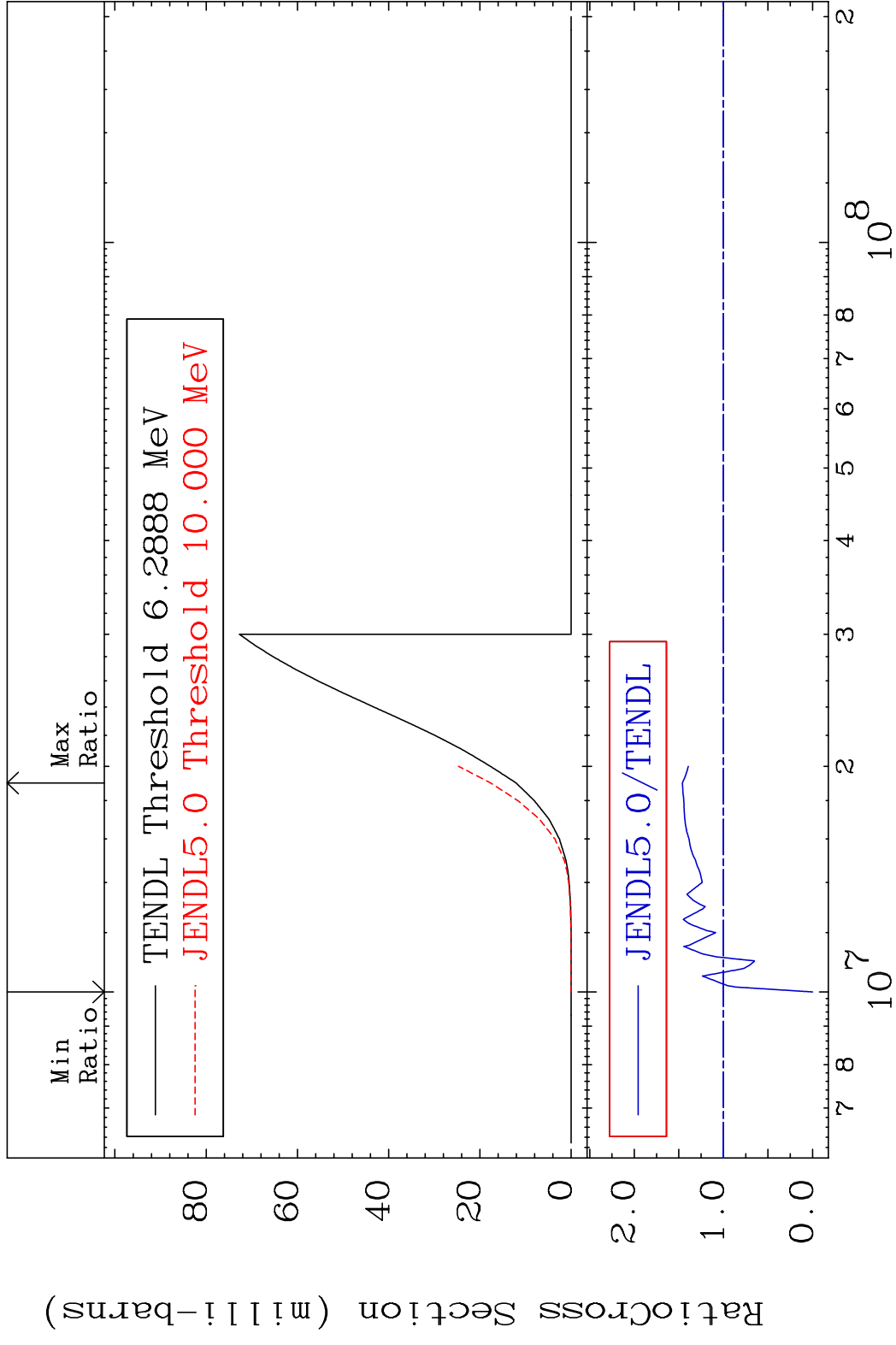
Incident Energy (eV)

72-Hf-174

MAT 7225

(n, n') p 72-Hf-174

Cross Section -100.0 To 46.06 %

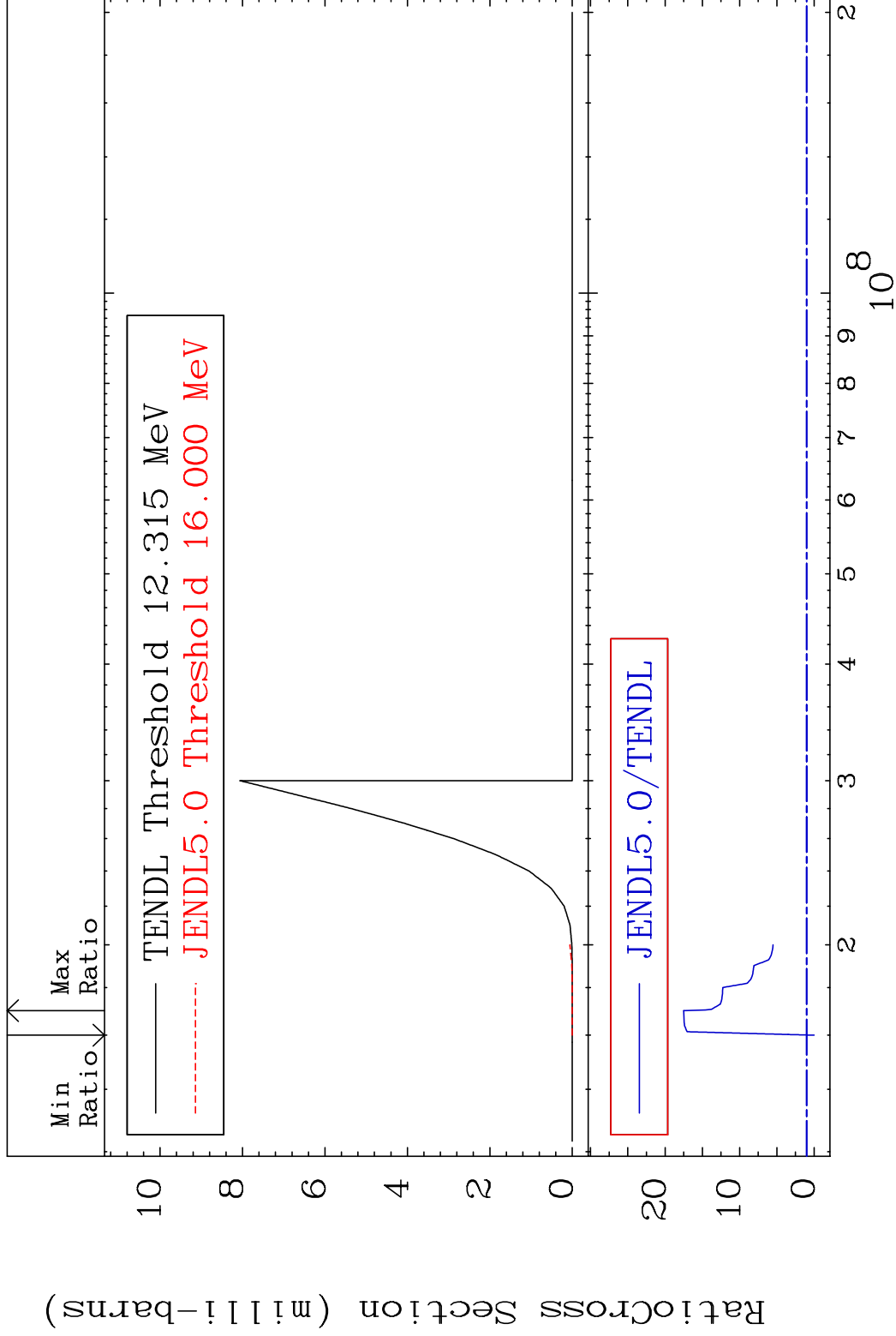


MAT 7225

(n, n') d

72-Hf-174

Cross Section -100.0 To 1651. %

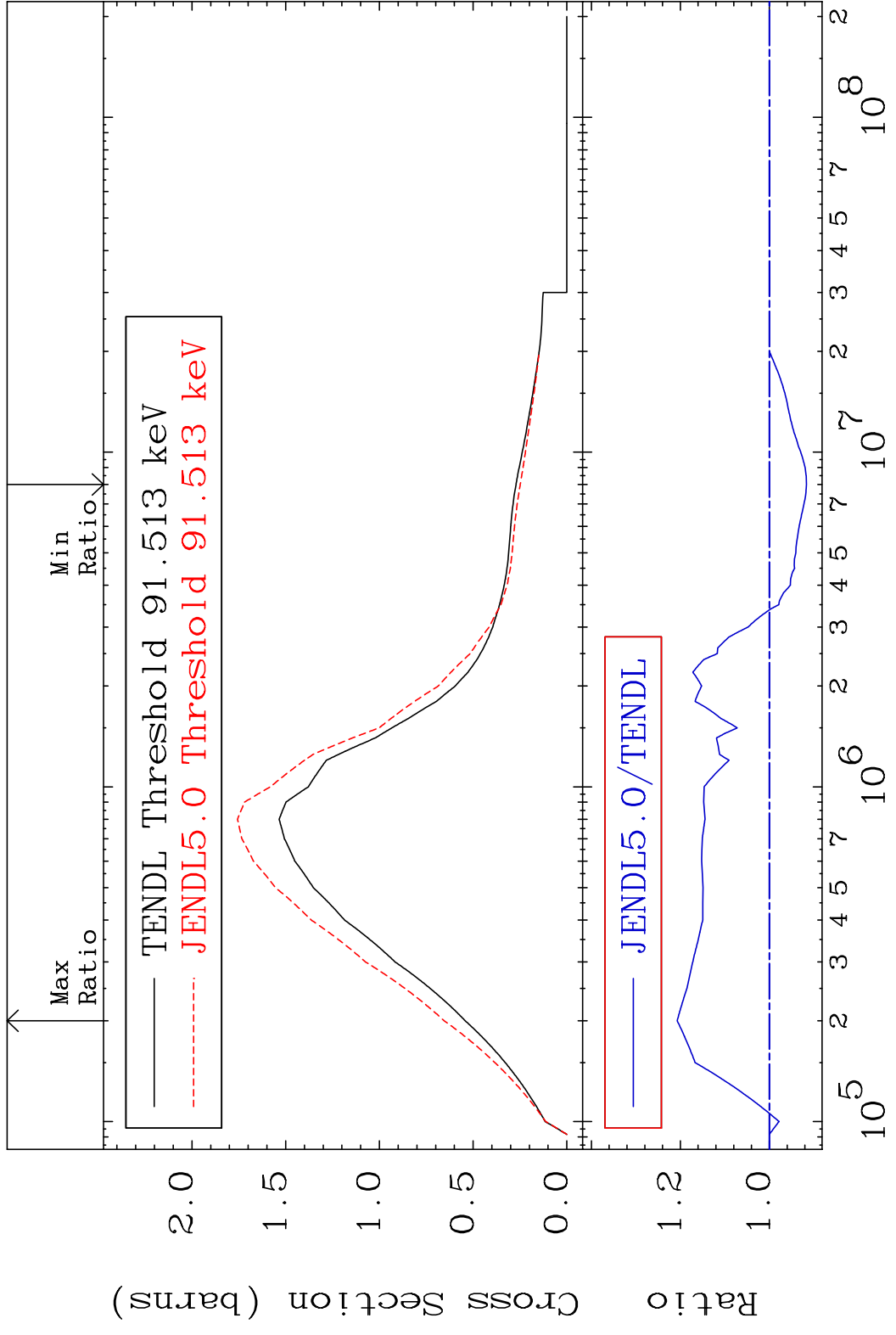


8

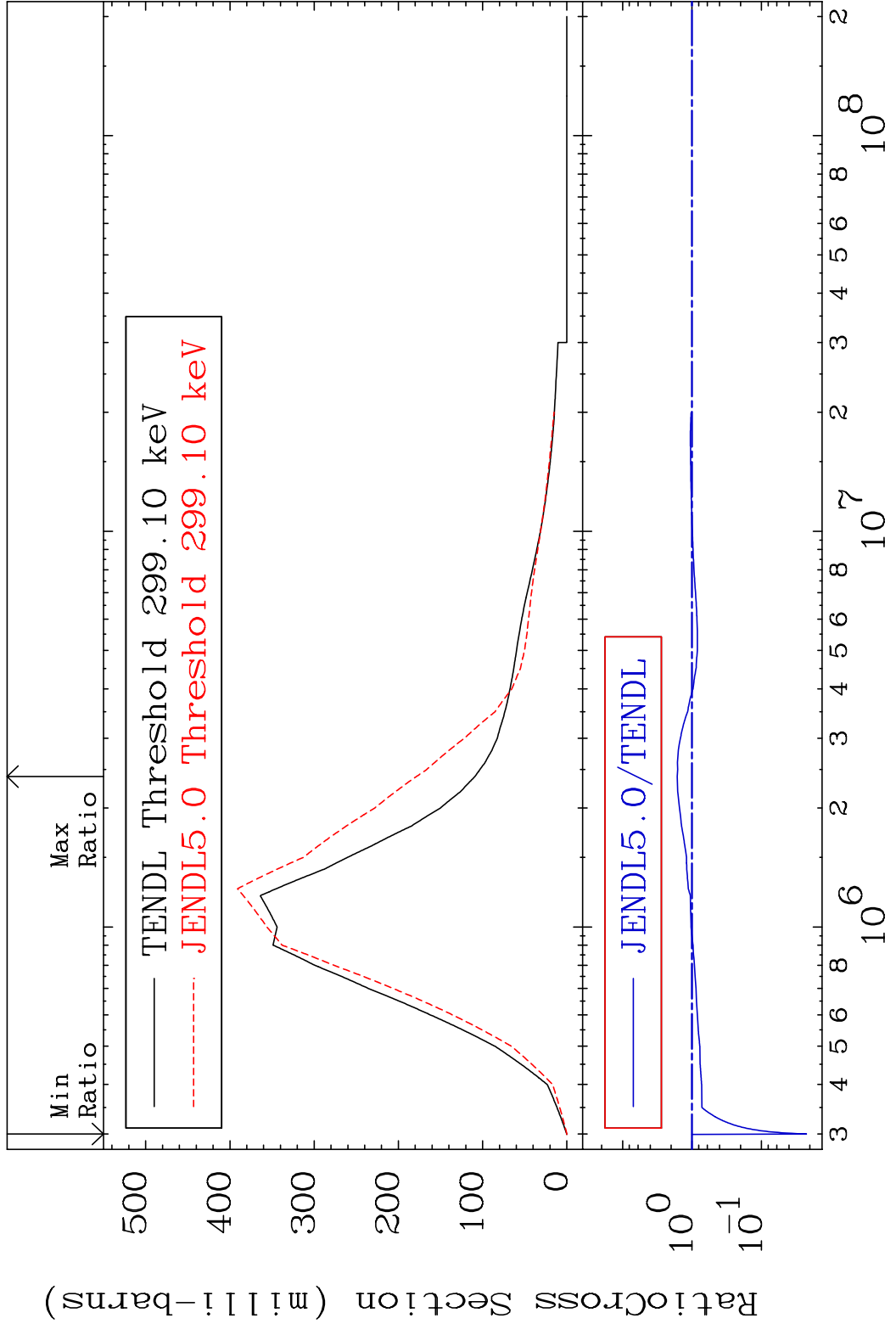
Incident Energy (eV)

72-Hf-174

MAT 7225 MT= 51 (n, n') Level 72-Hf-174
 Cross Section -8.334 To 20.71 %

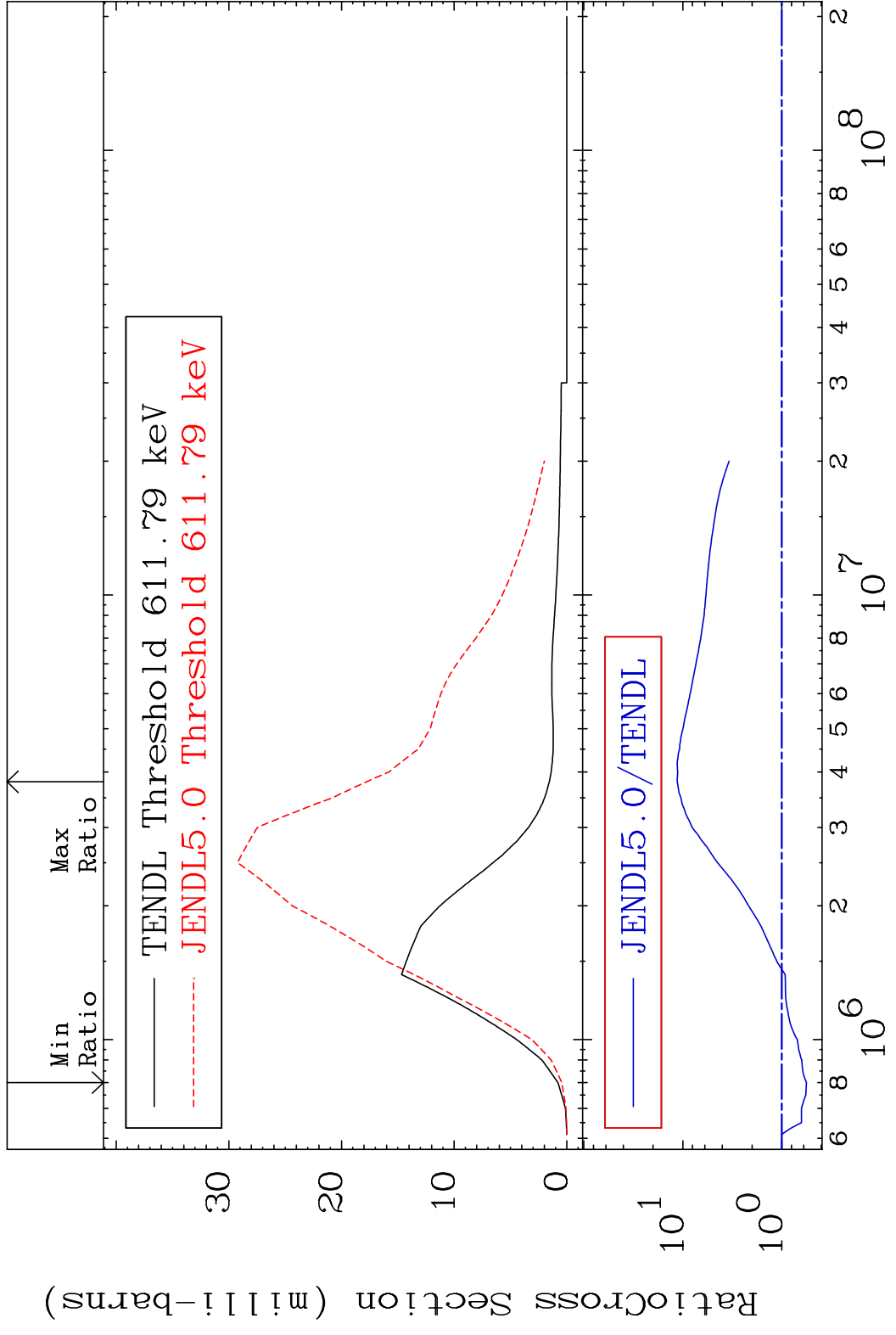


MAT 7225 MT= 52 (n, n') Level 72-Hf-174
 Cross Section -97.75 To 63.61 %

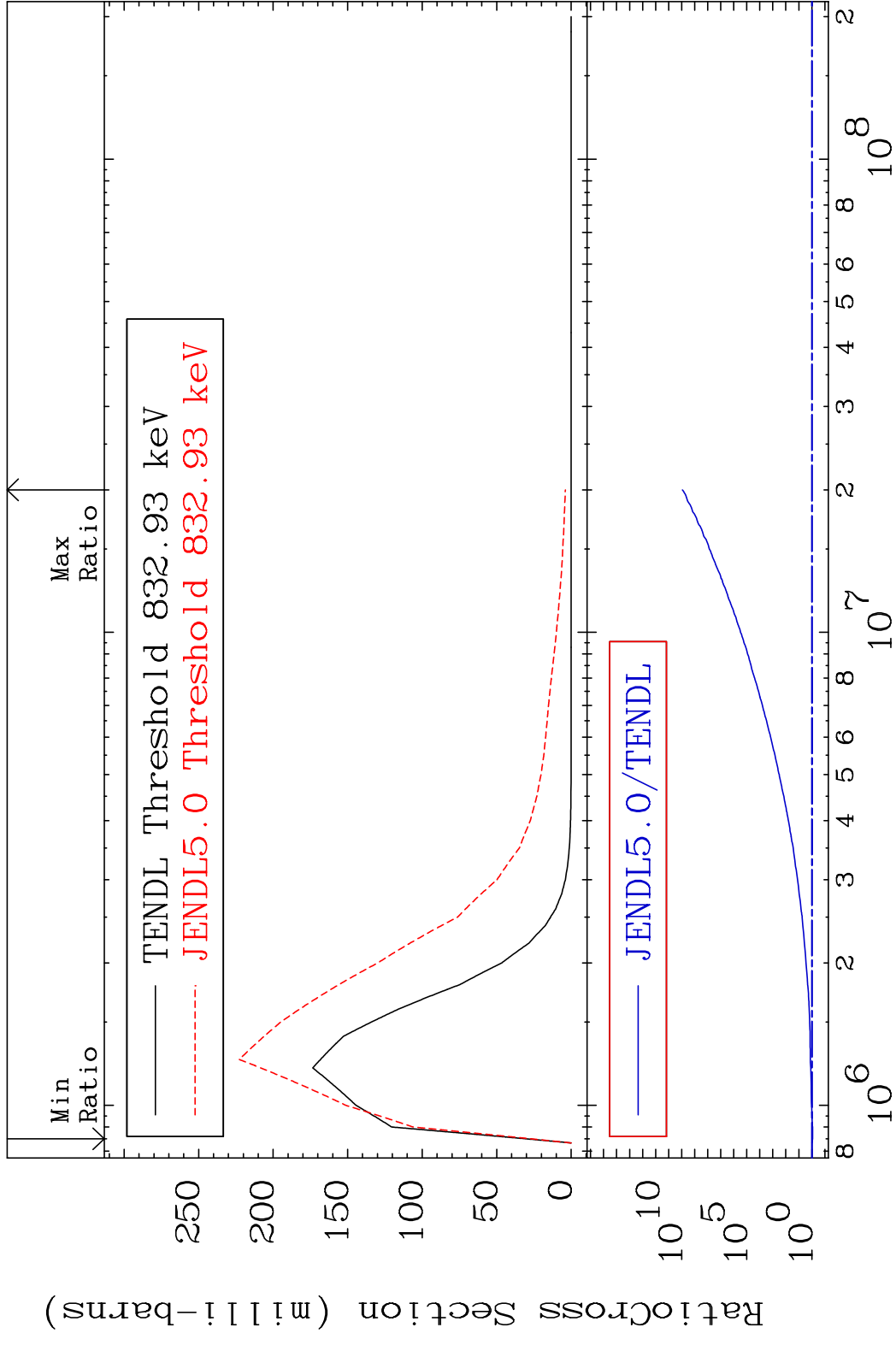


10 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 53 (n,n') Level 72-Hf-174
 Cross Section -43.51 To 1041. %

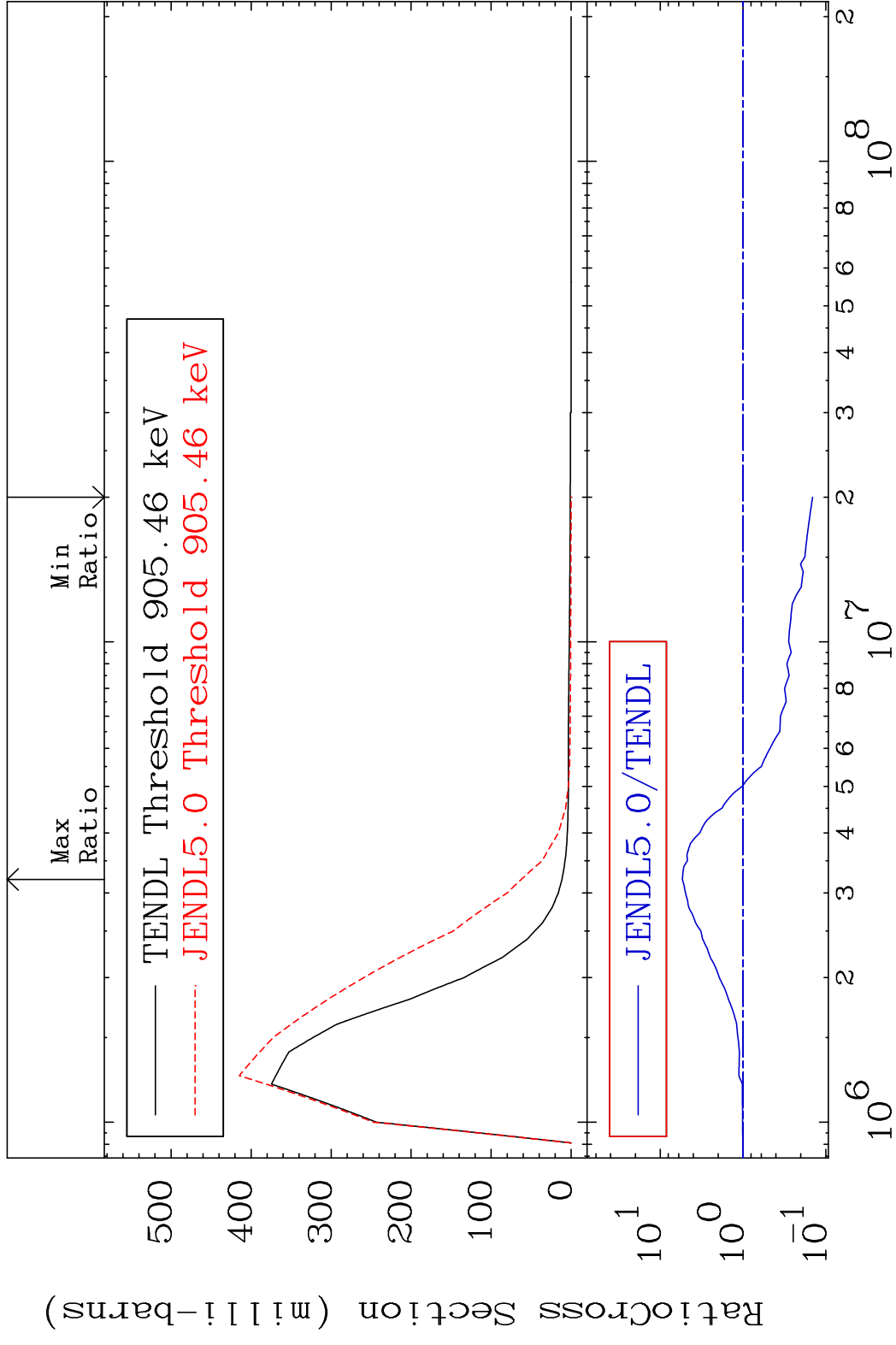


MAT 7225 MT= 54 (n, n') Level 72-Hf-174
 Cross Section -11.88 To 9999. %

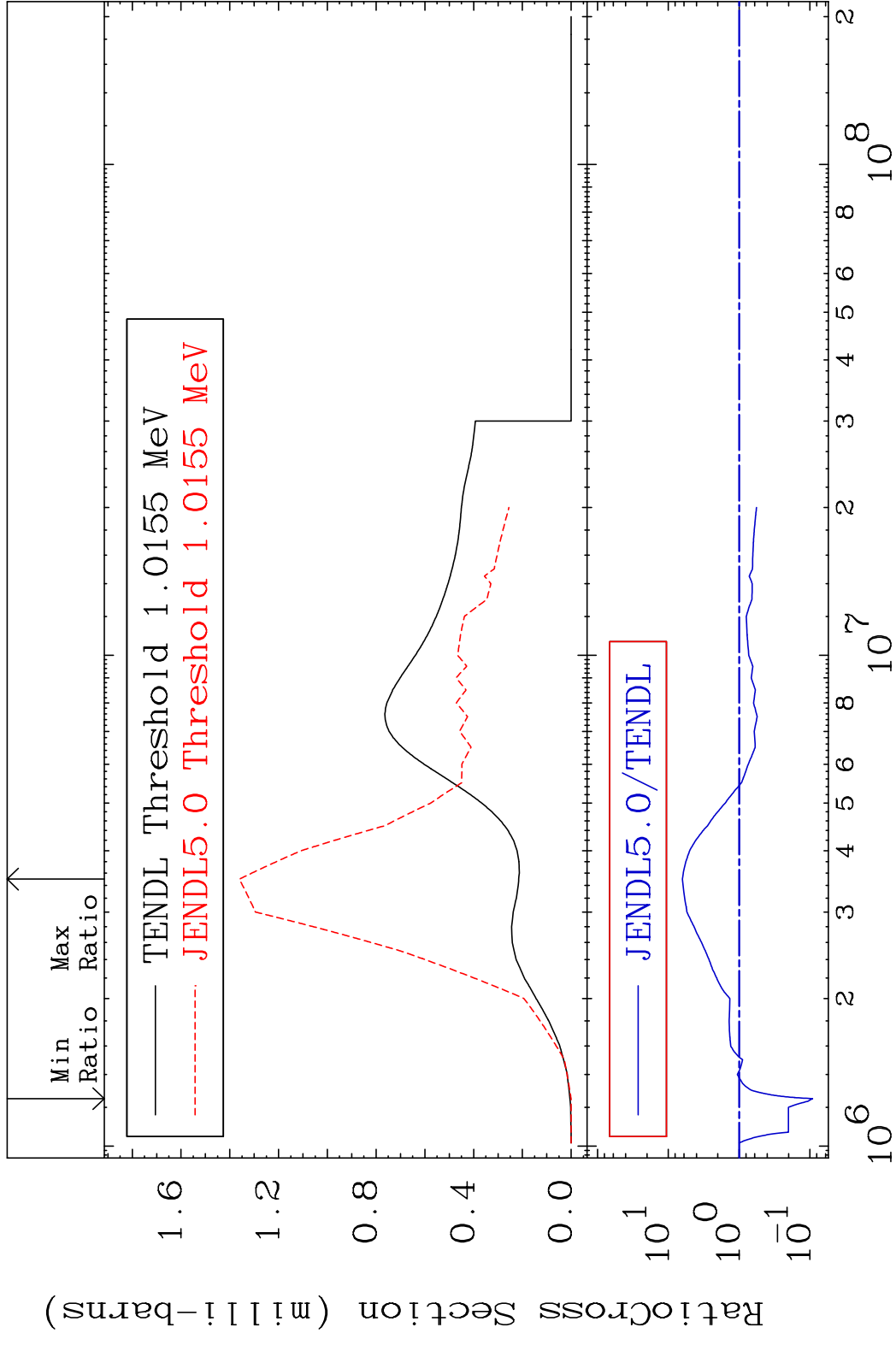


12 Incident Energy (eV) 72-Hf-174

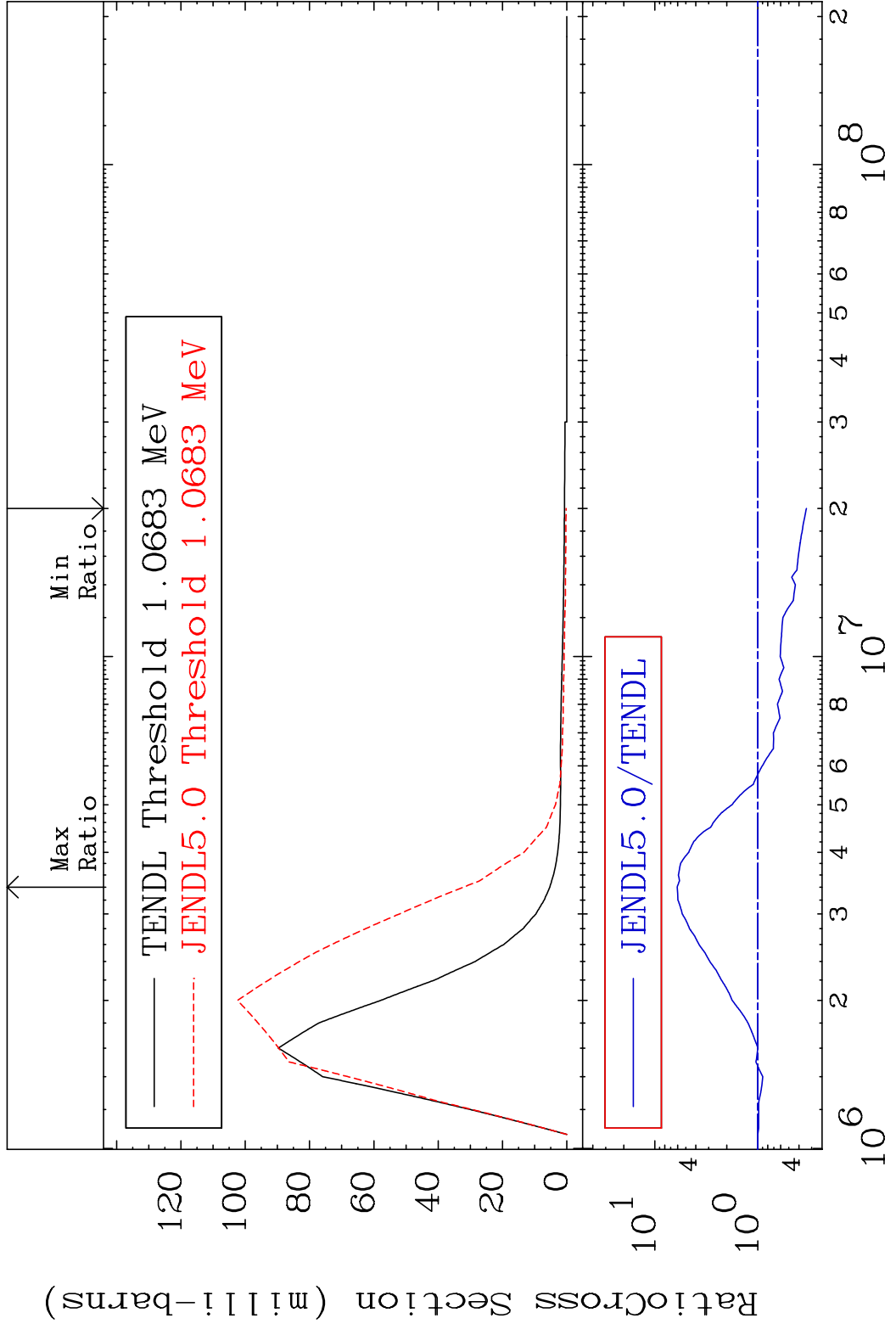
MAT 7225 MT= 55 (n, n') Level 72-Hf-174
 Cross Section -85.57 To 441.6 %



MAT 7225 MT= 56 (n,n') Level 72-Hf-174
 Cross Section -90.84 To 532.9 %

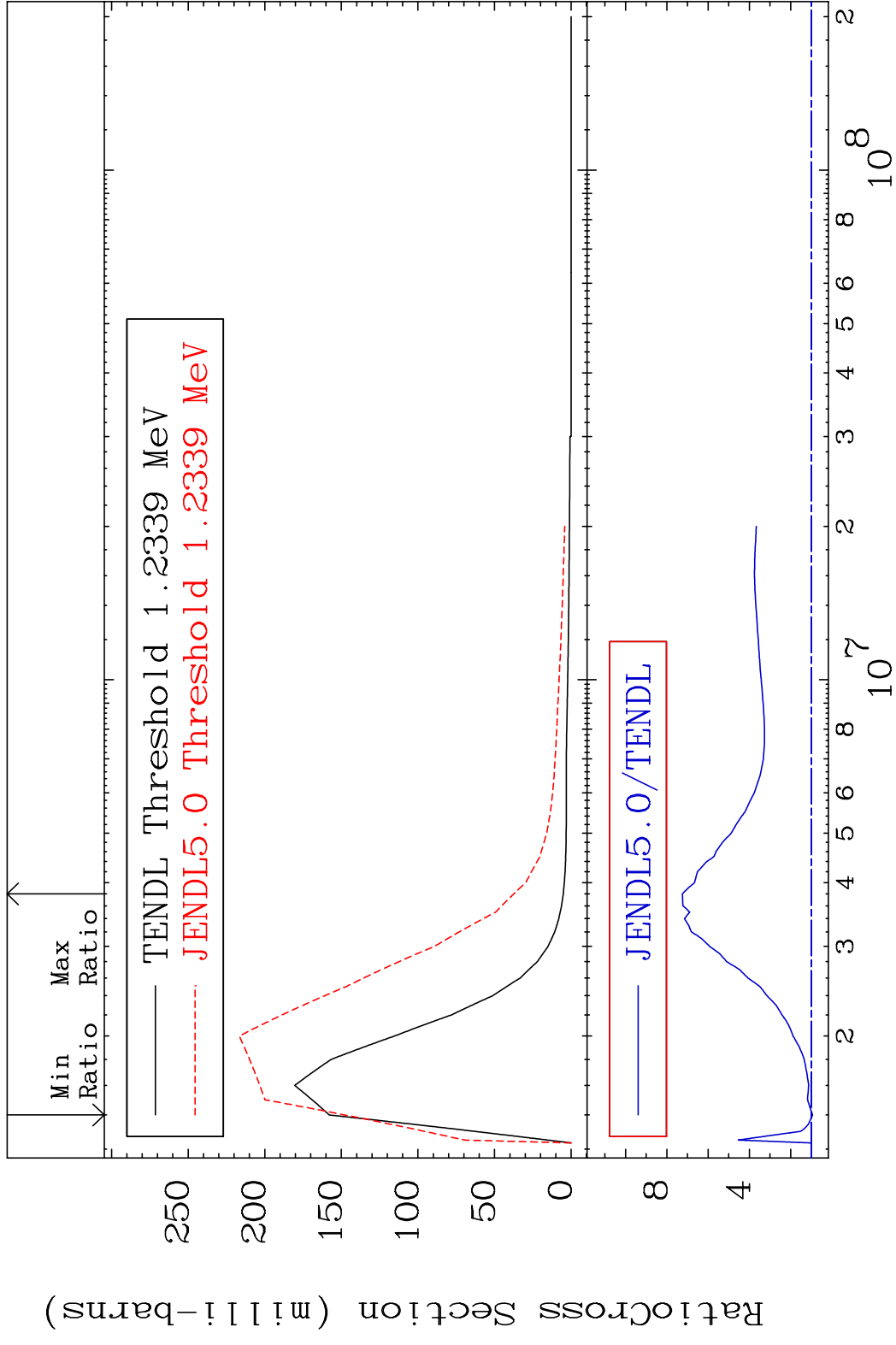


MAT 7225 MT= 57 (n, n') Level 72-Hf-174
 Cross Section -66.19 To 506.2 %

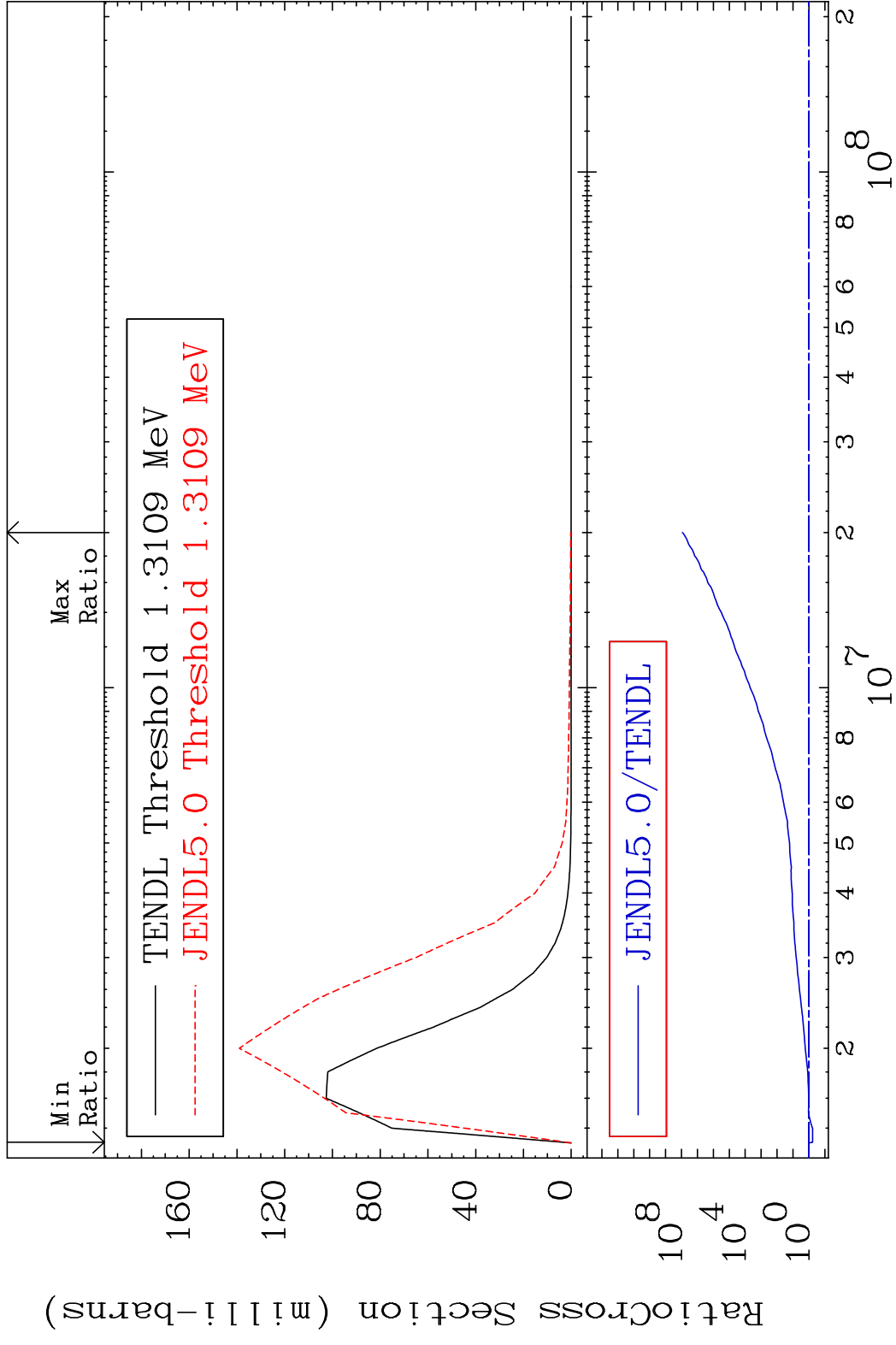


15 Incident Energy (eV) 72-Hf-174

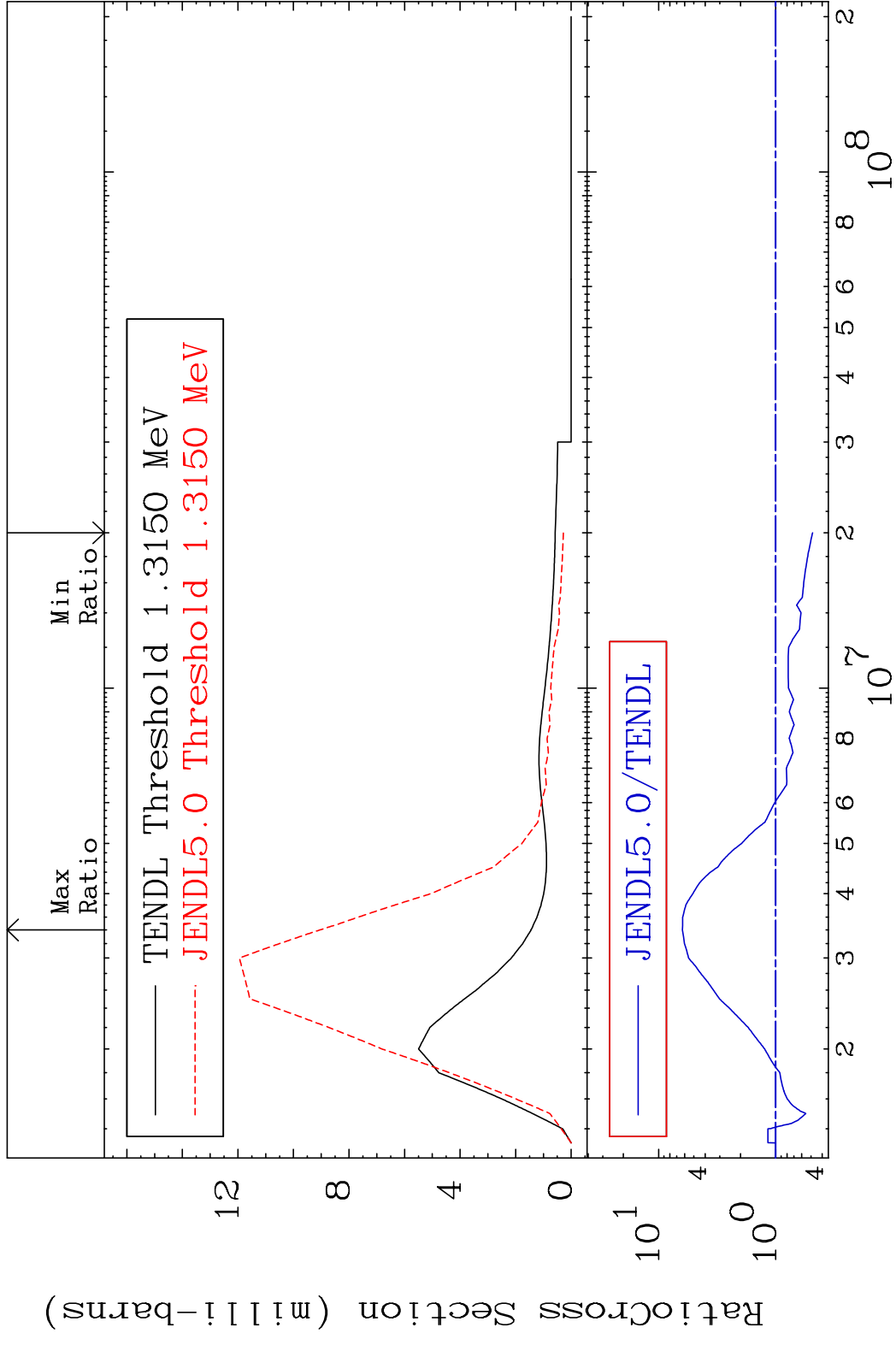
MAT 7225 MT= 58 (n,n') Level 72-Hf-174
 Cross Section -6.418 To 624.8 %



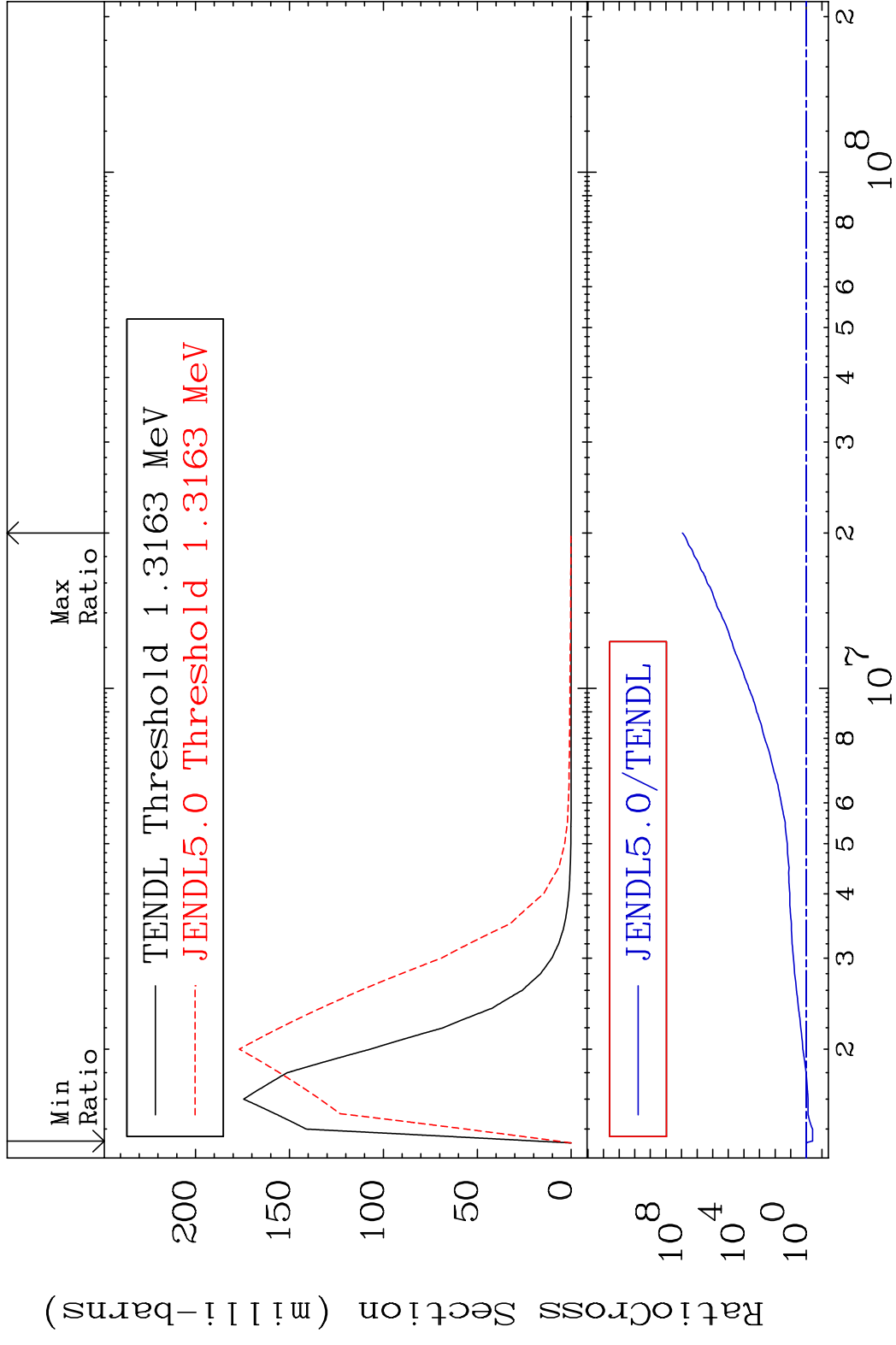
MAT 7225 MT= 59 (n, n') Level 72-Hf-174
 Cross Section -40.80 To 9999. %



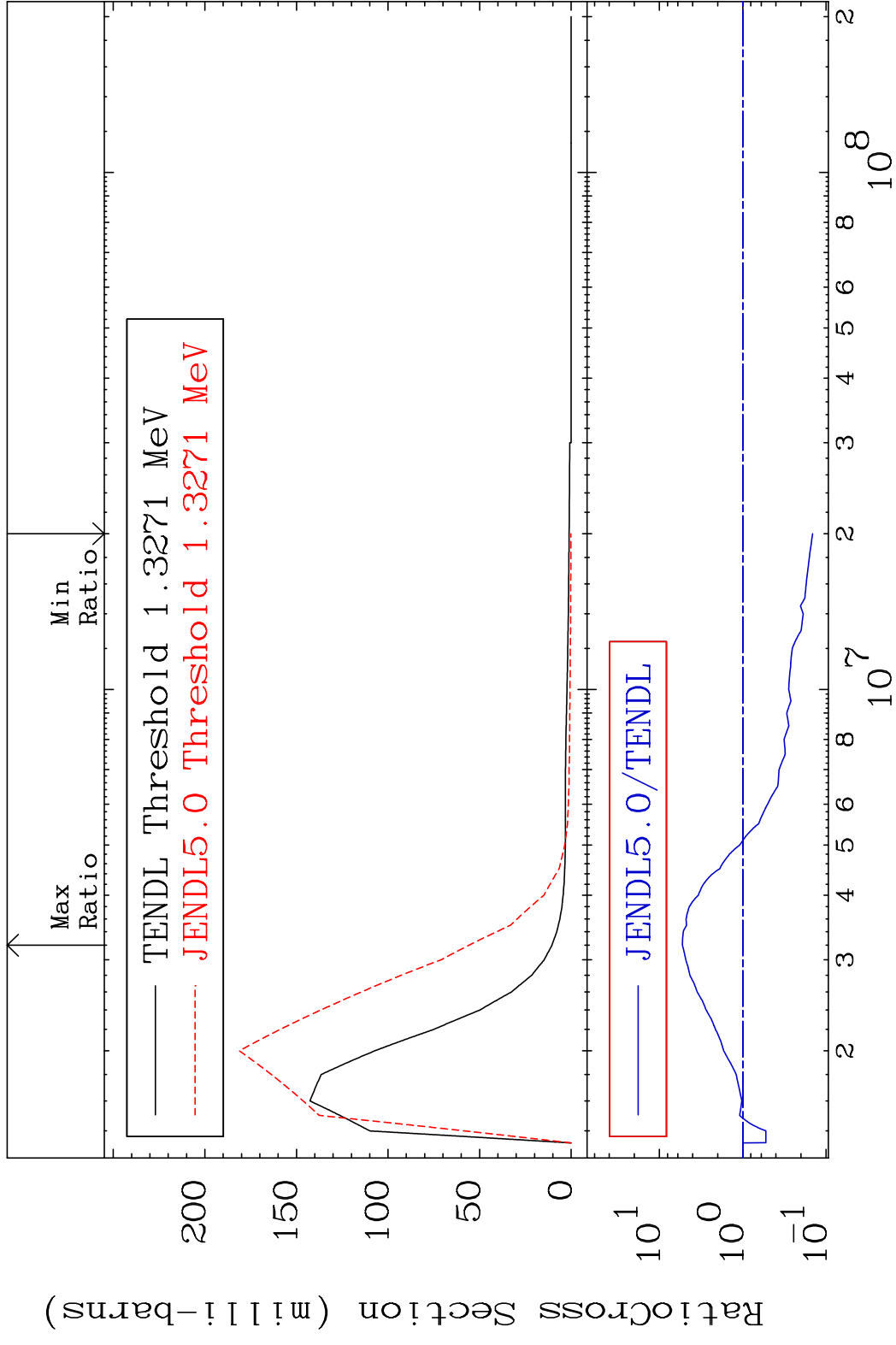
MAT 7225 MT= 60 (n, n') Level 72-Hf-174
 Cross Section -51.57 To 526.9 %



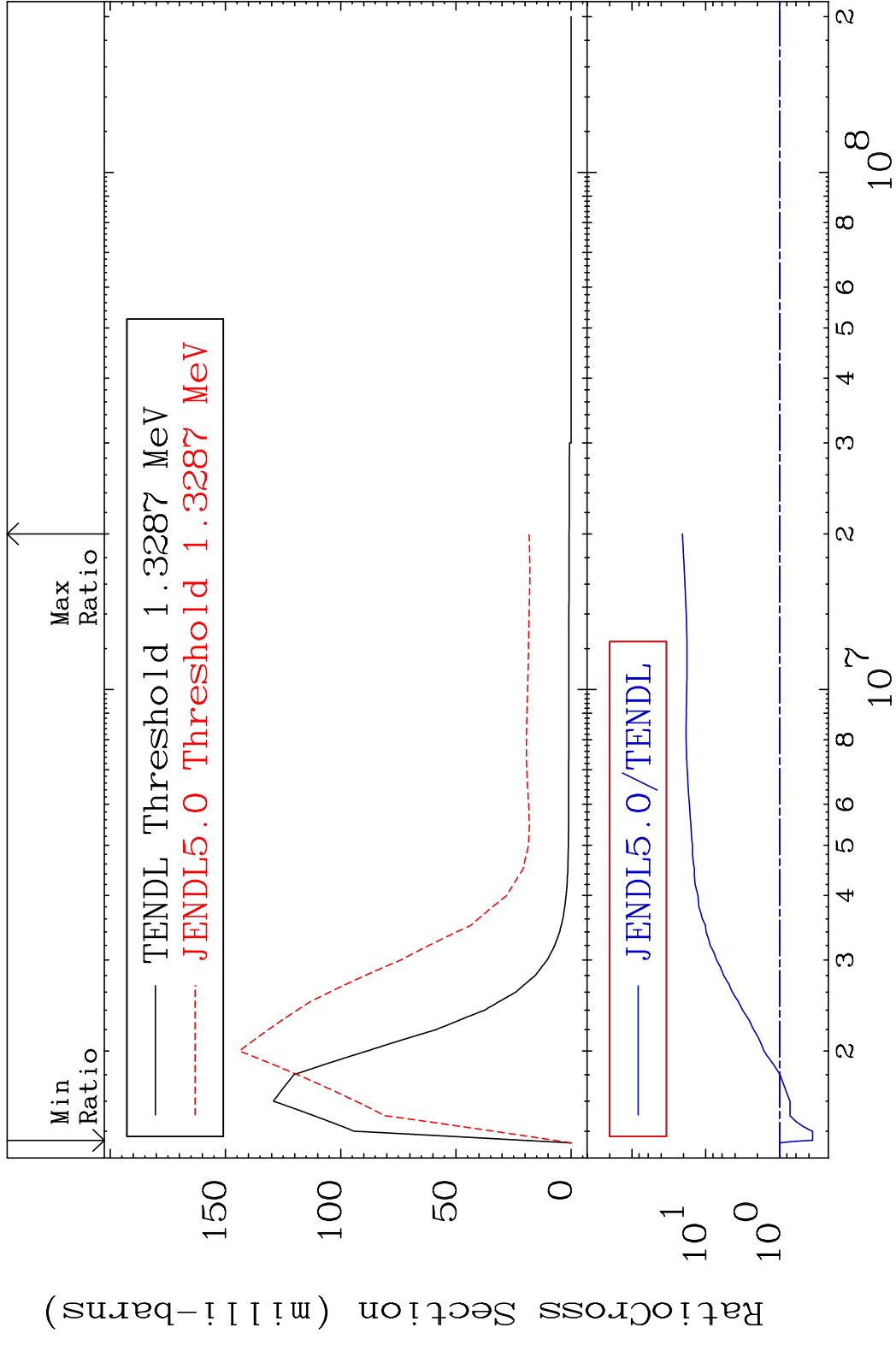
MAT 7225 MT= 61 (n, n') Level 72-Hf-174
 Cross Section -60.23 To 9999. %



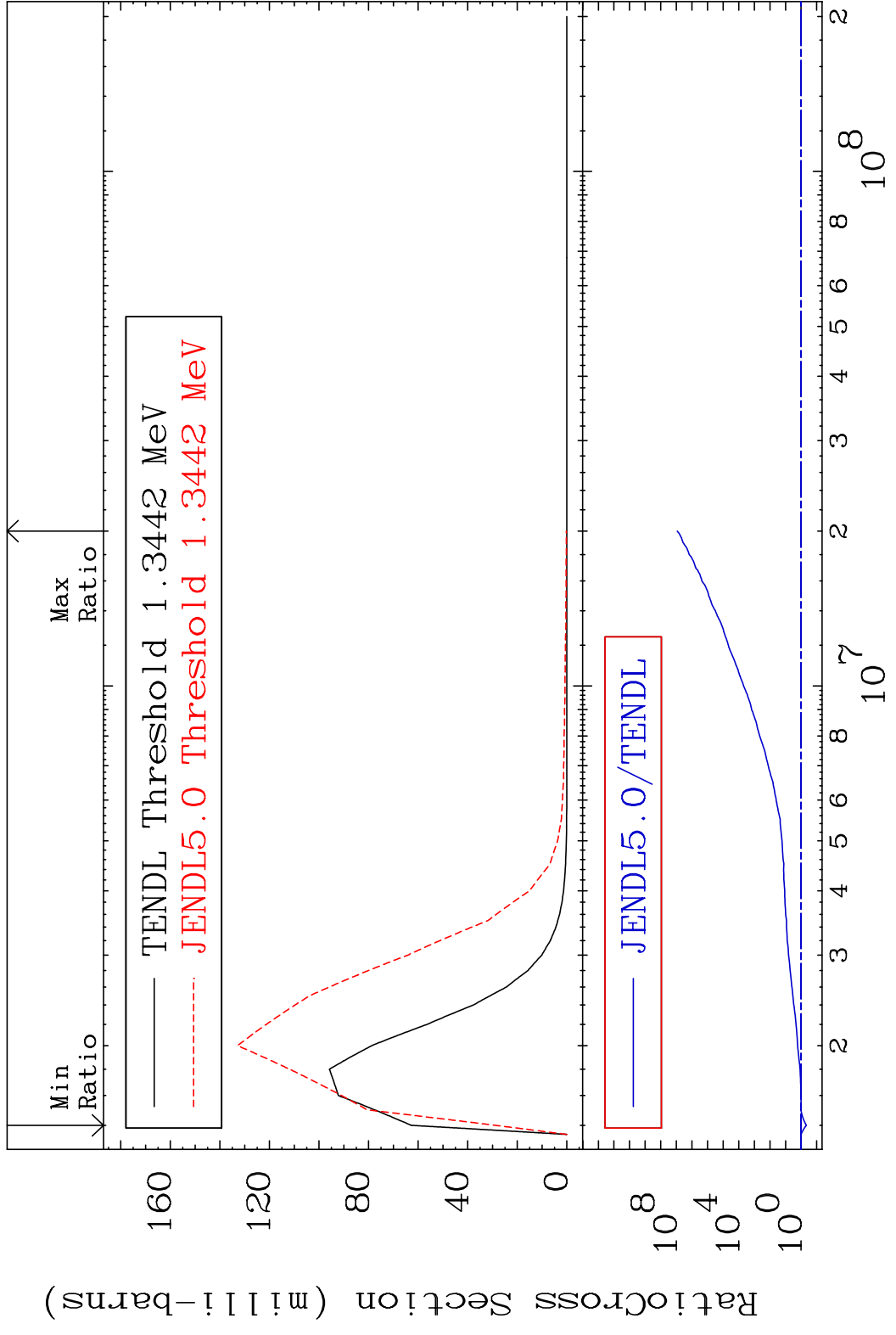
MAT 7225 MT= 62 (n, n') Level 72-Hf-174
 Cross Section -85.47 To 430.1 %



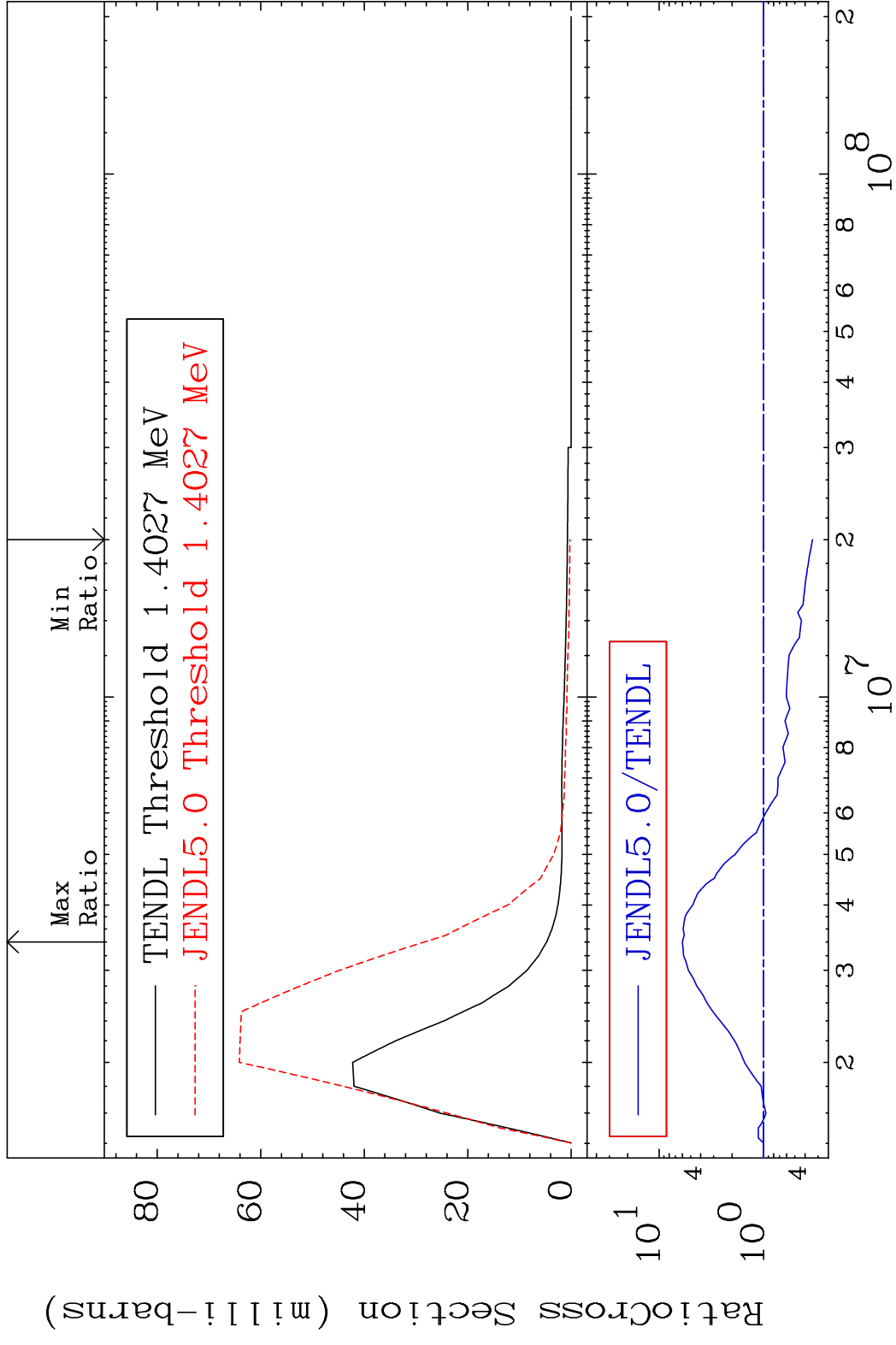
MAT 7225 MT= 63 (n, n') Level 72-Hf-174
 Cross Section -64.22 To 1974. %



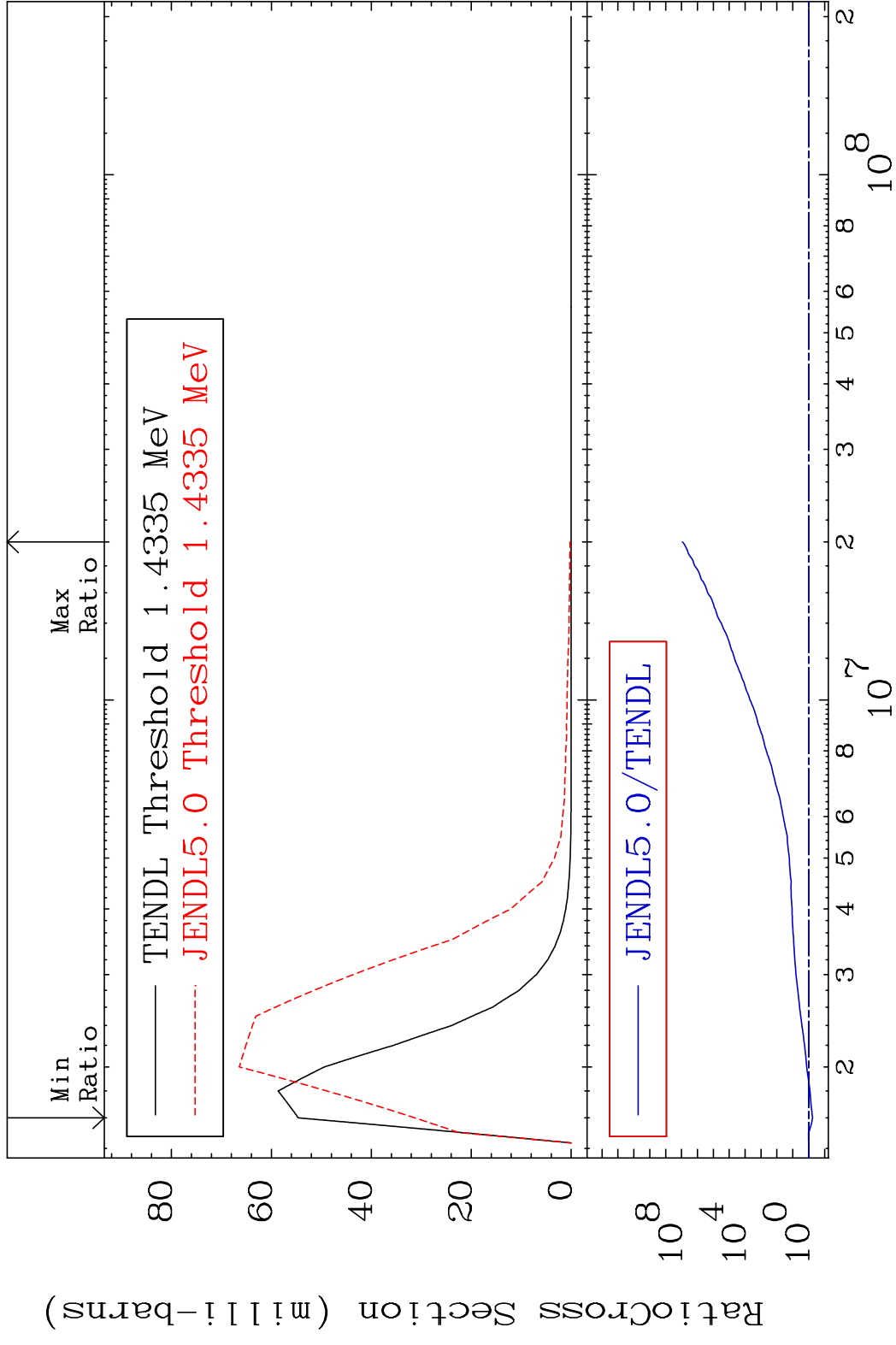
MAT 7225 MT= 64 (n, n') Level 72-Hf-174
 Cross Section -54.08 To 9999. %



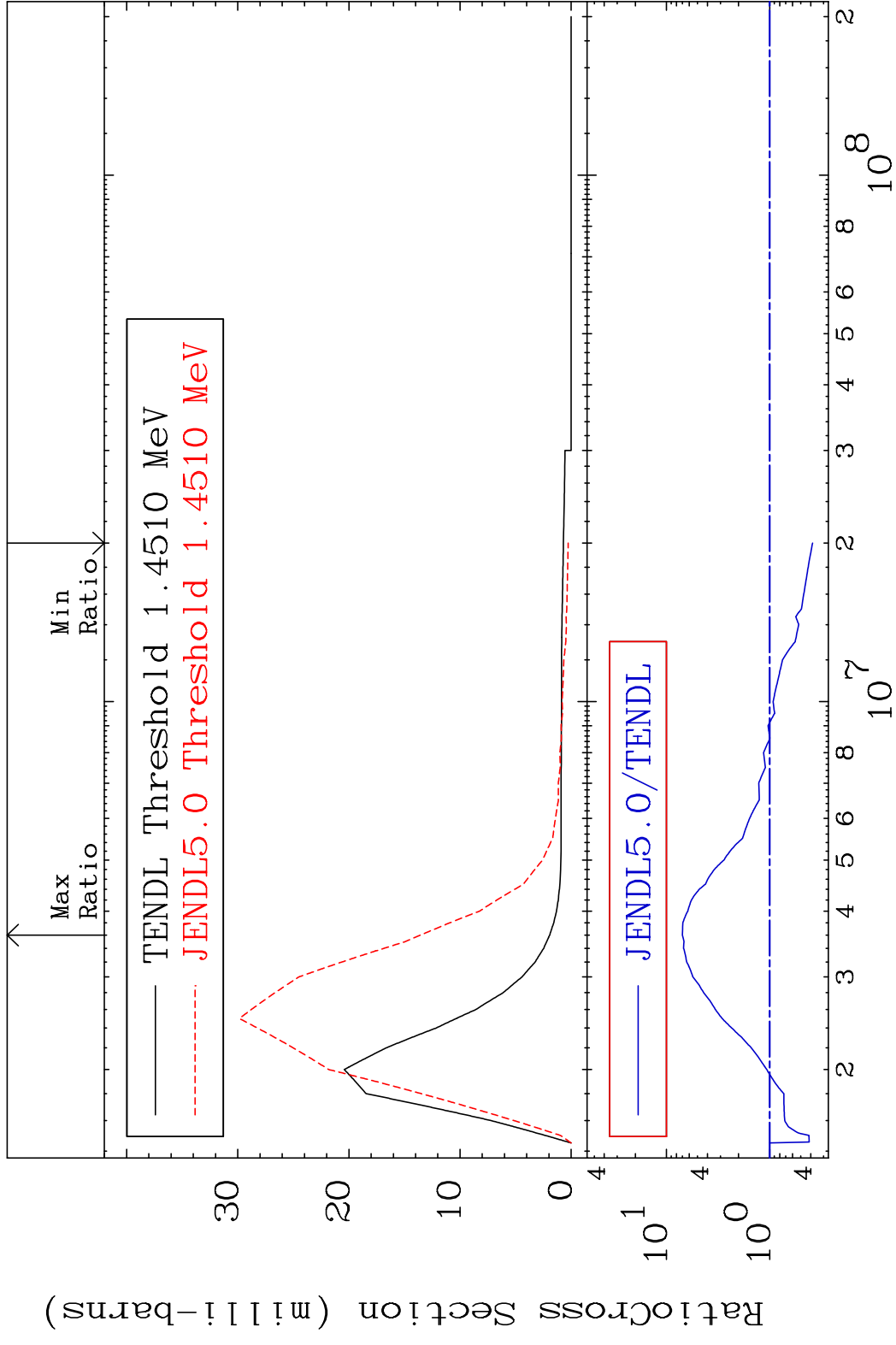
MAT 7225 MT= 65 (n, n') Level 72-Hf-174
 Cross Section -66.15 To 499.2 %



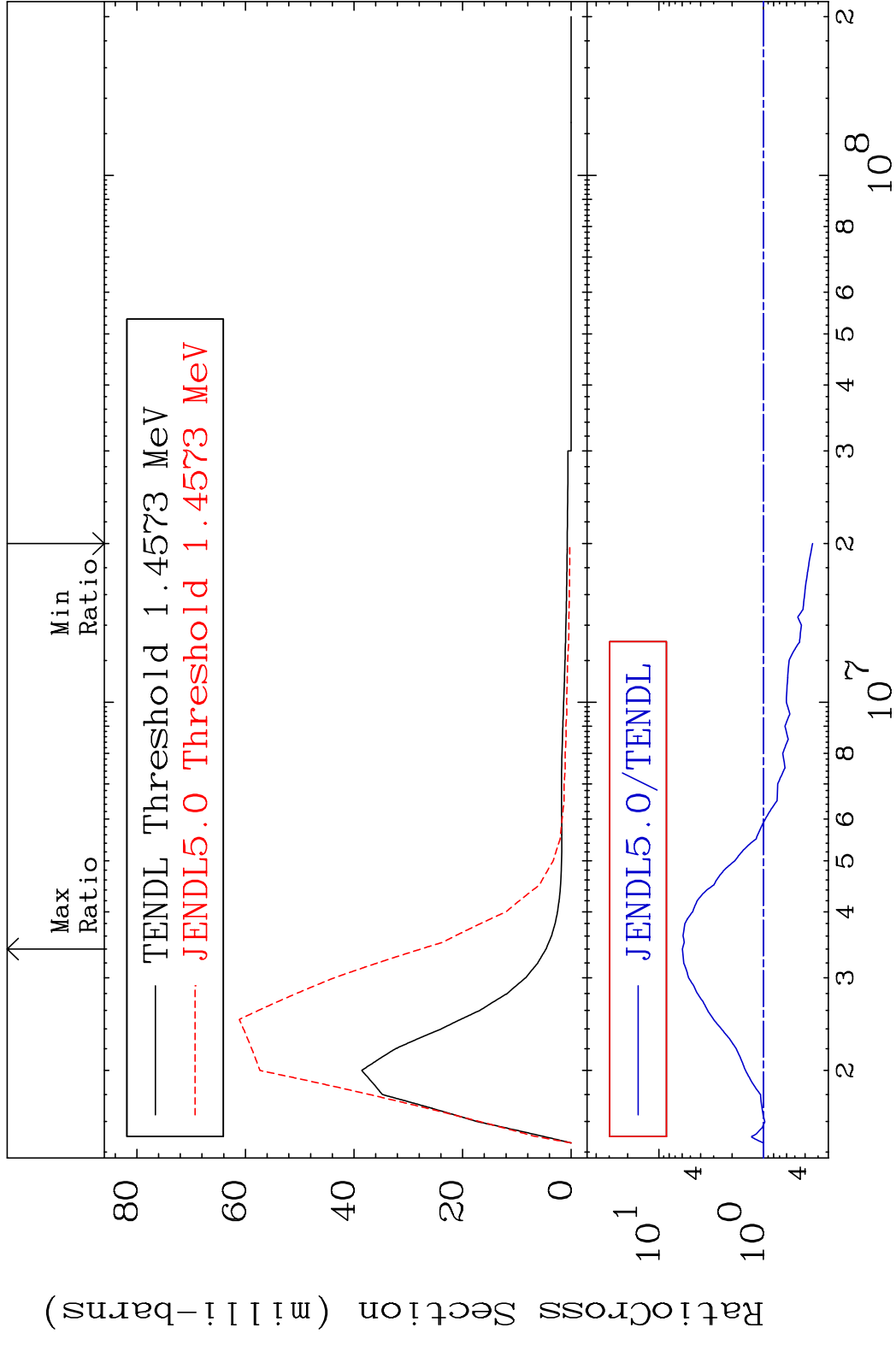
MAT 7225 MT= 66 (n, n') Level 72-Hf-174
 Cross Section -42.69 To 9999. %



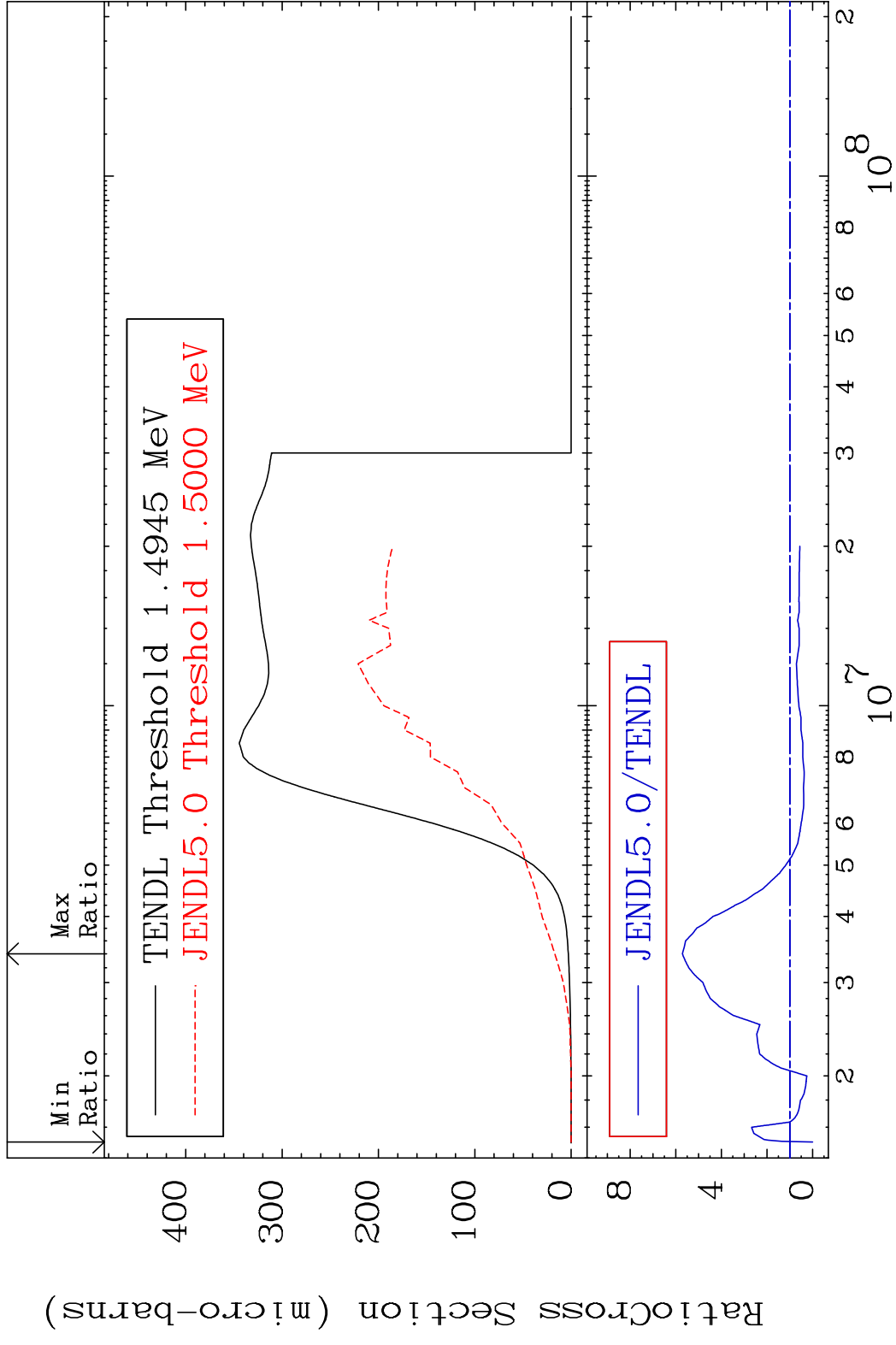
MAT 7225 MT= 67 (n, n') Level 72-Hf-174
 Cross Section -61.57 To 601.0 %



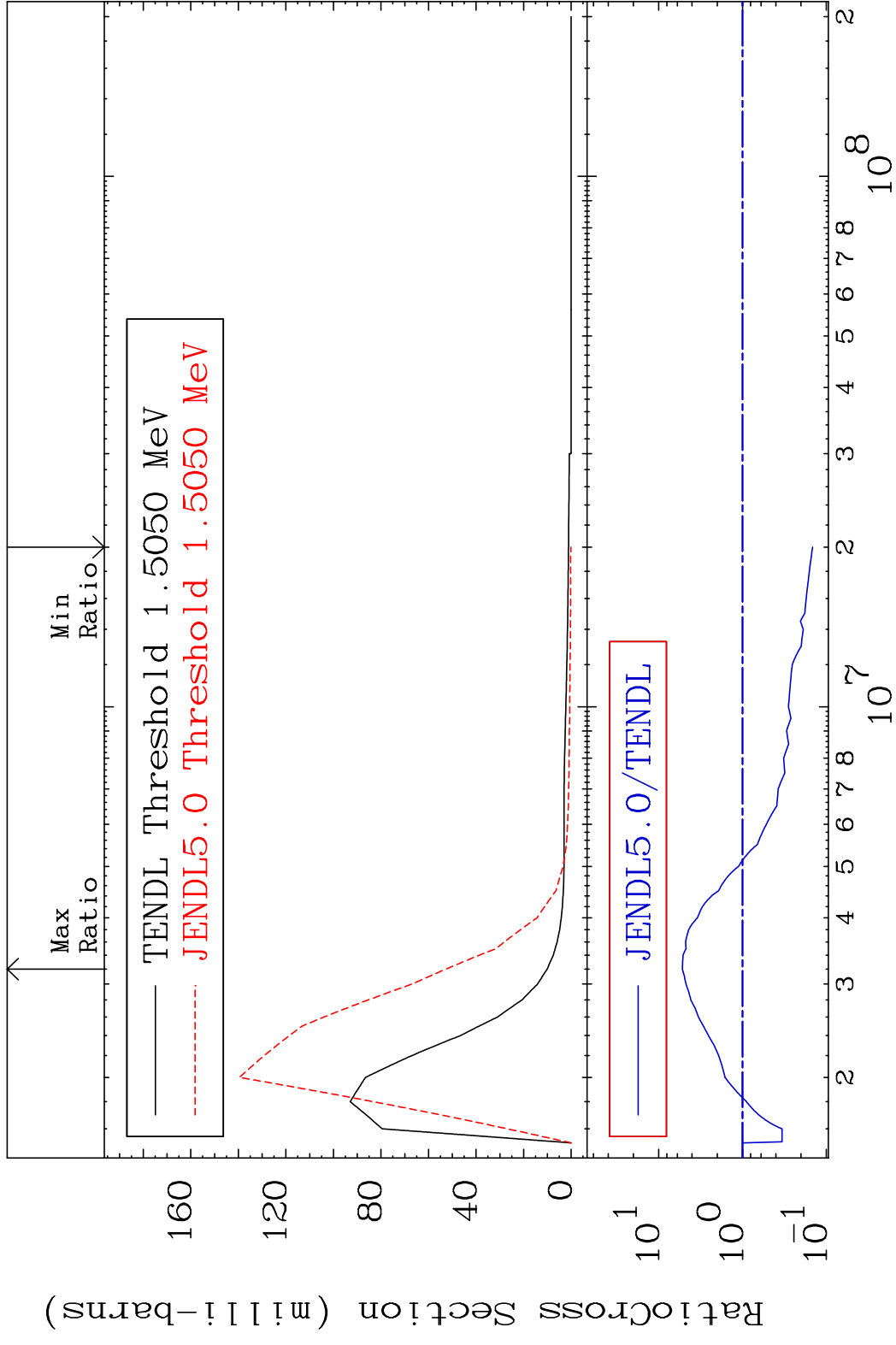
MAT 7225 MT= 68 (n,n') Level 72-Hf-174
 Cross Section -66.13 To 497.6 %



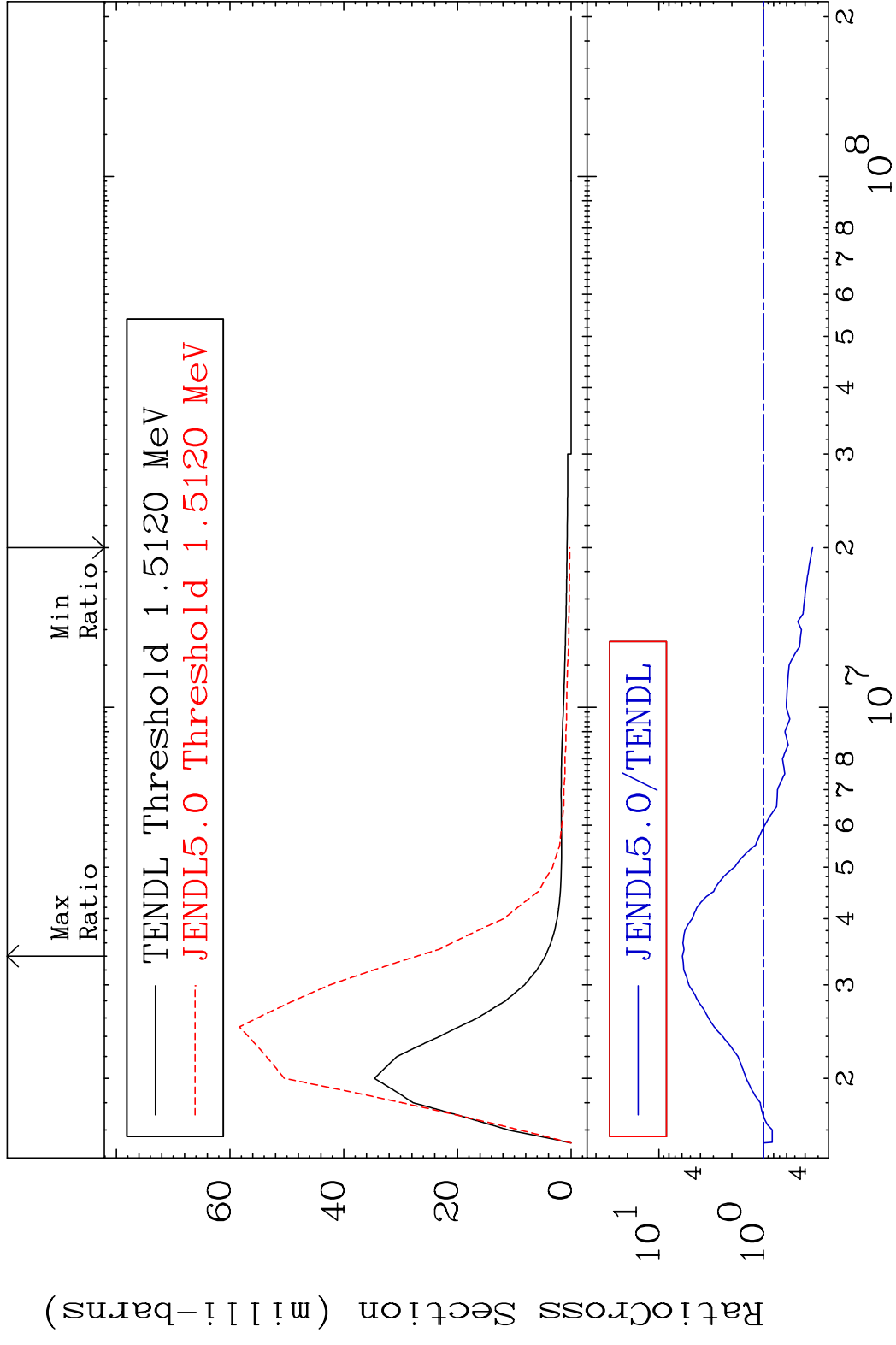
MAT 7225 MT= 69 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 471.2 %



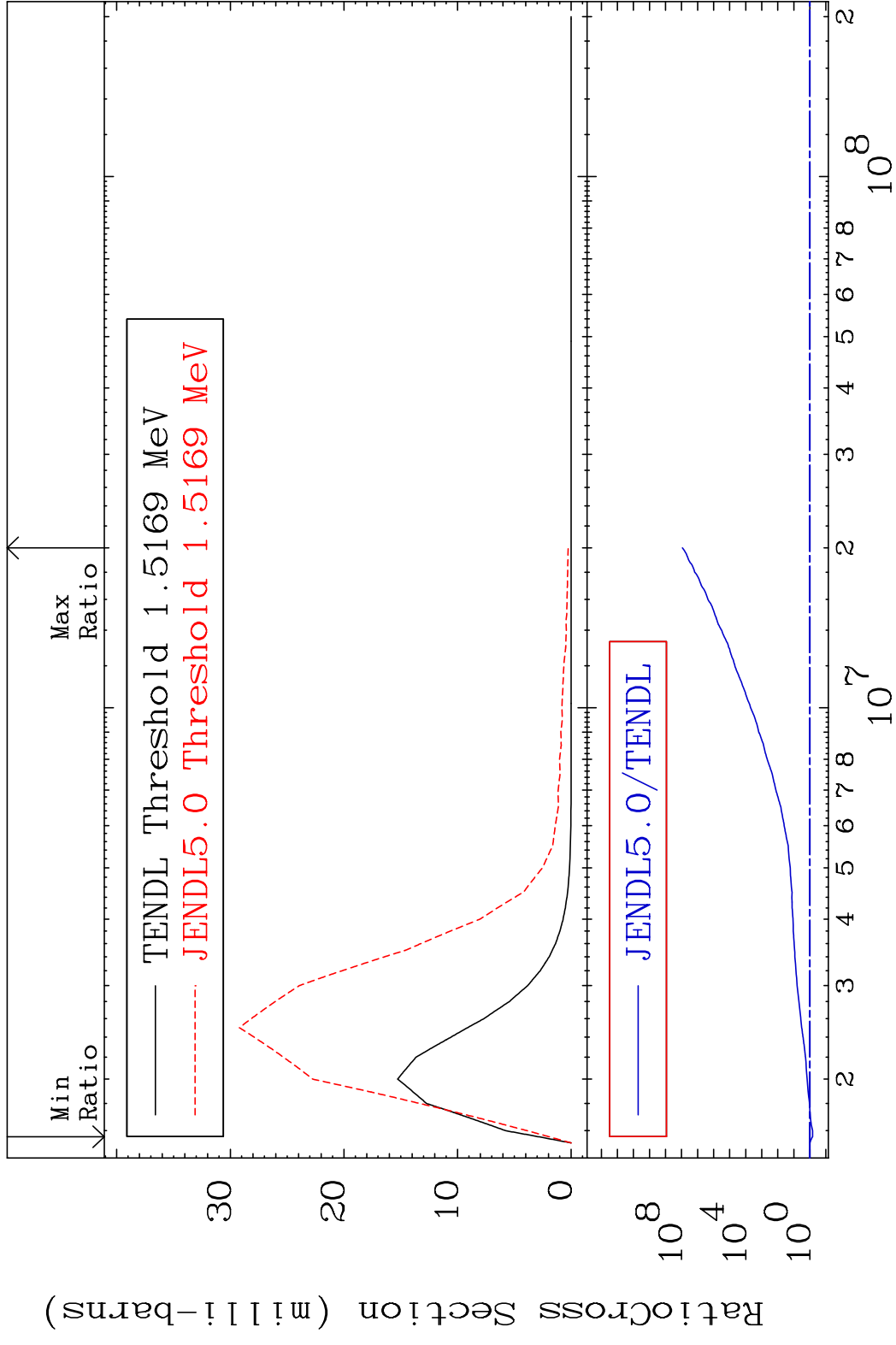
MAT 7225 MT= 70 (n,n') Level 72-Hf-174
 Cross Section -85.42 To 421.7 %



MAT 7225 MT= 71 (n,n') Level 72-Hf-174
 Cross Section -66.13 To 495.6 %

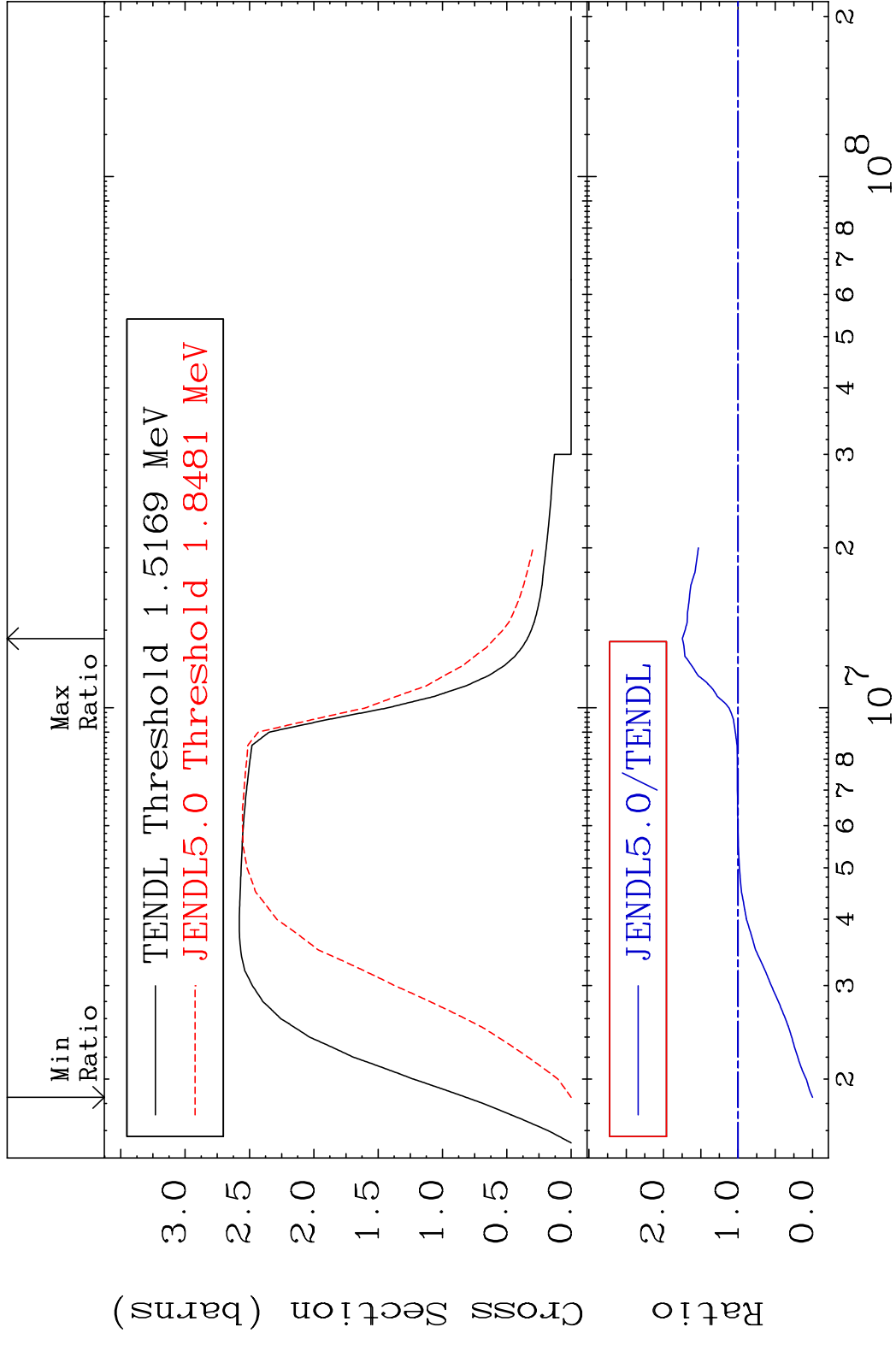


MAT 7225 MT= 72 (n, n') Level 72-Hf-174
 Cross Section -32.43 To 9999. %



30 Incident Energy (eV) 72-Hf-174

MAT 7225 (n, n') Continuum 72-Hf-174
 Cross Section -100.0 To 74.69 %

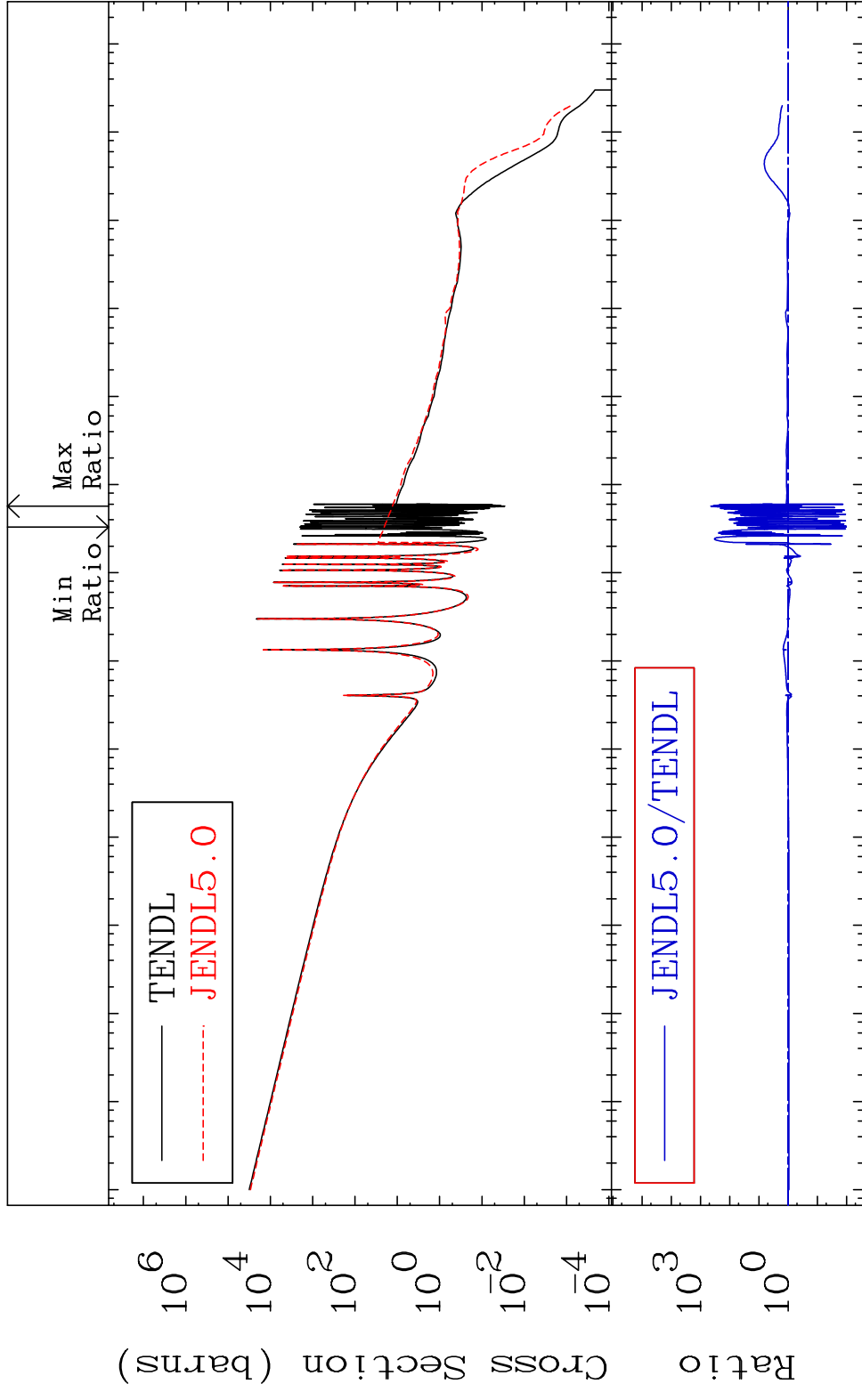


MAT 7225

72-Hf-174

(n, γ)

Cross Section -98.97 To 9999. %

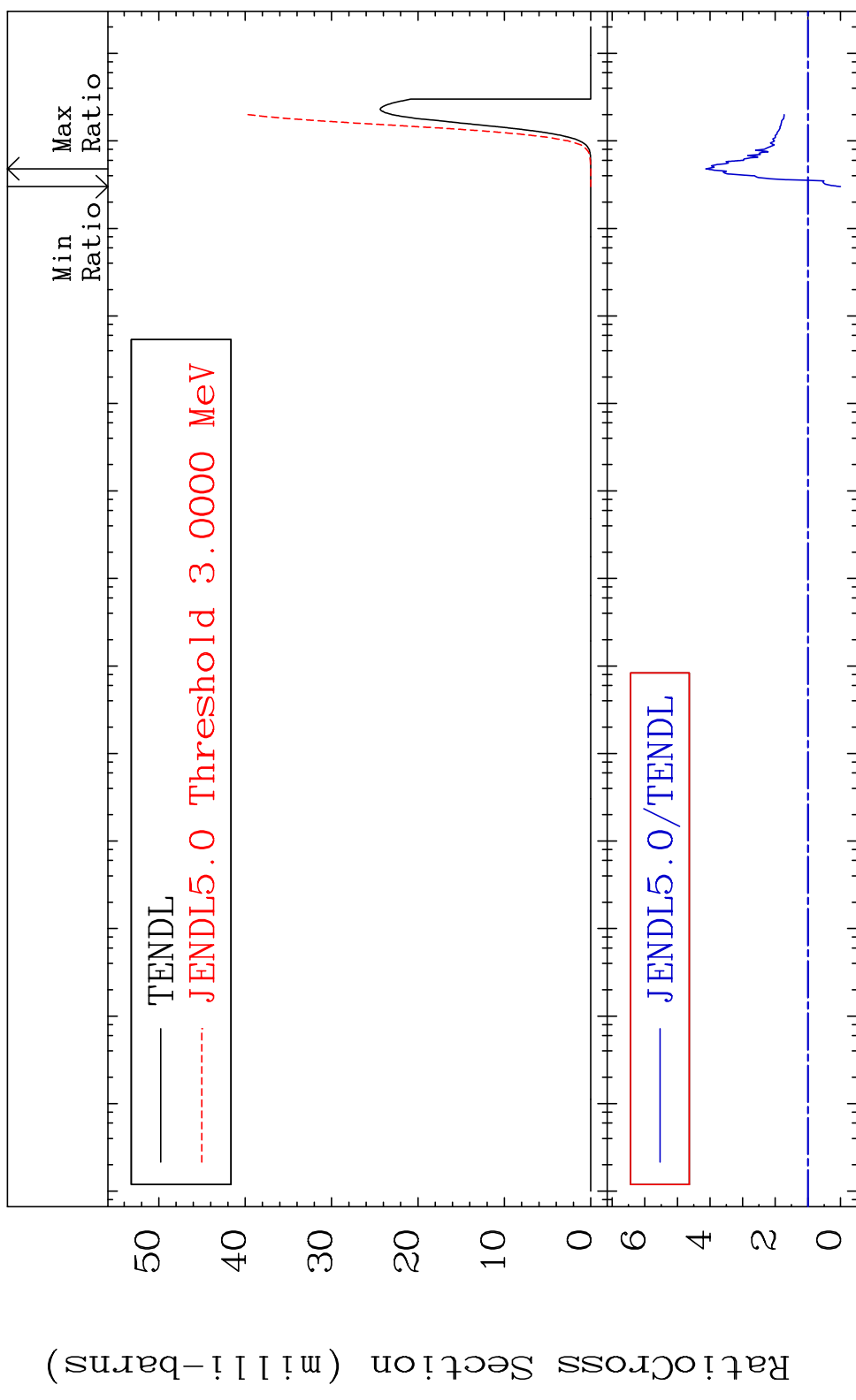


MAT 7225

(n, p)

72-Hf-174

Cross Section -100.0 To 313.1 %

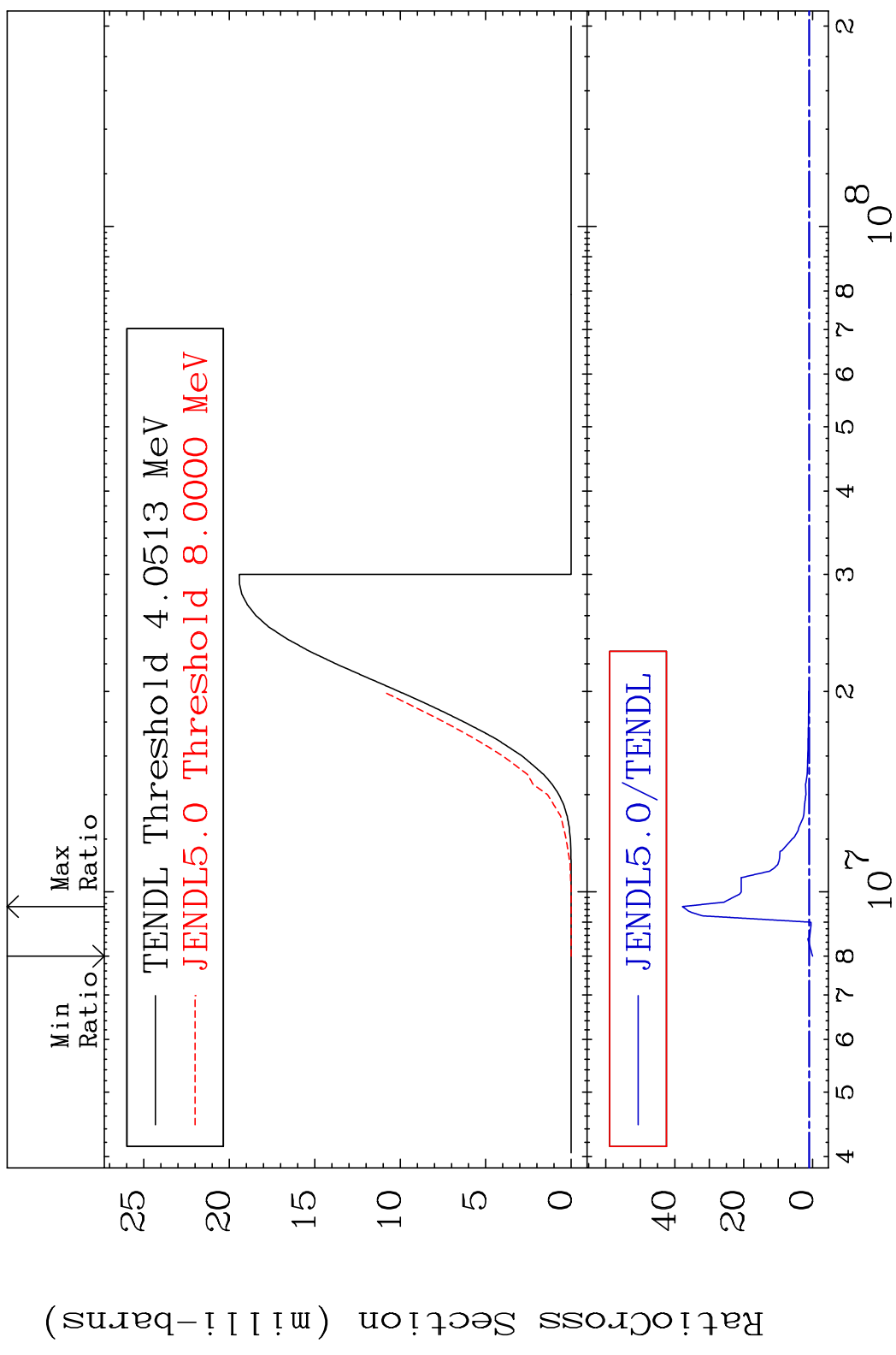


MAT 7225

(n,d)

72-Hf-174

Cross Section -100.0 To 3680. %

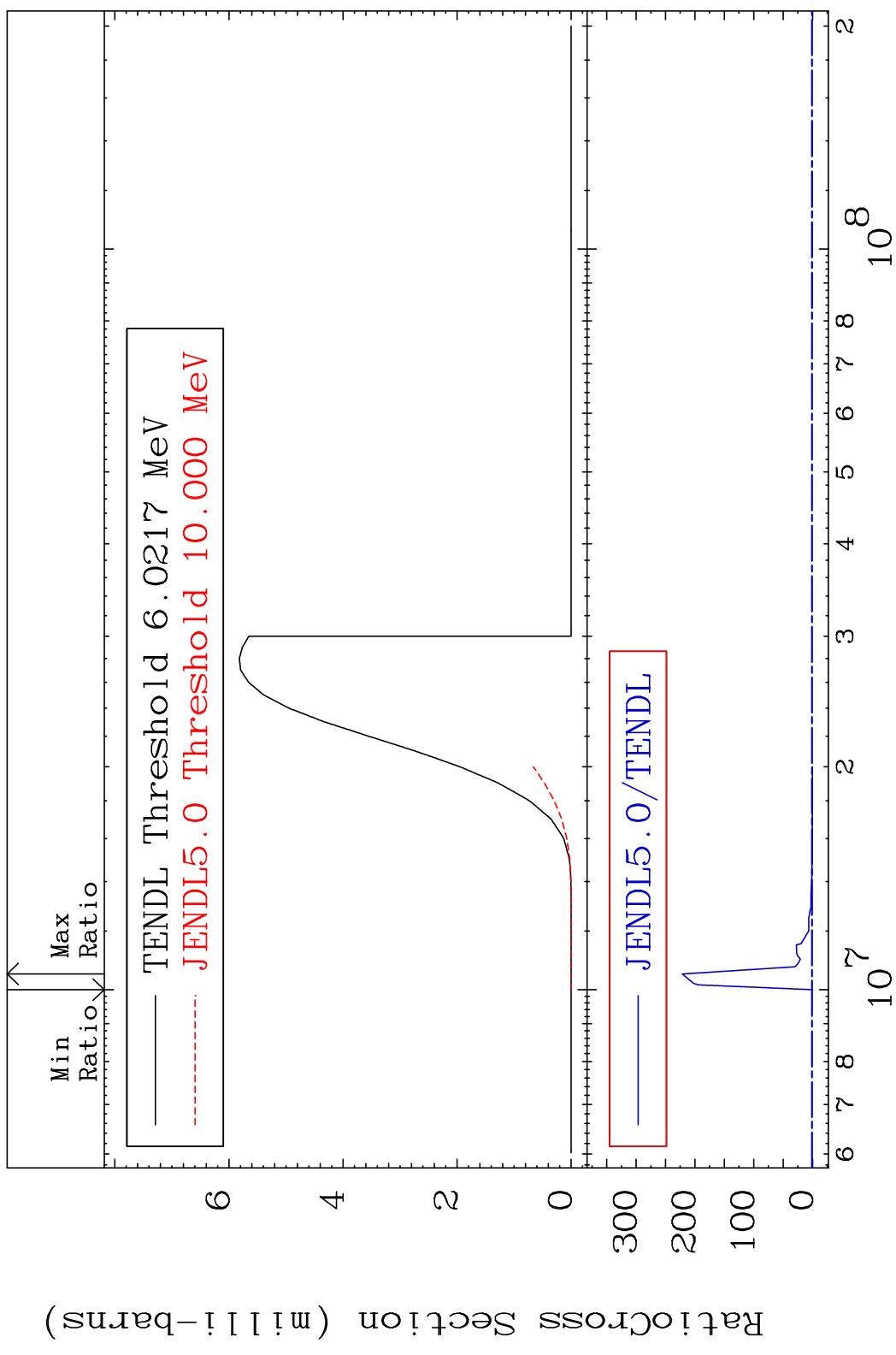


MAT 7225

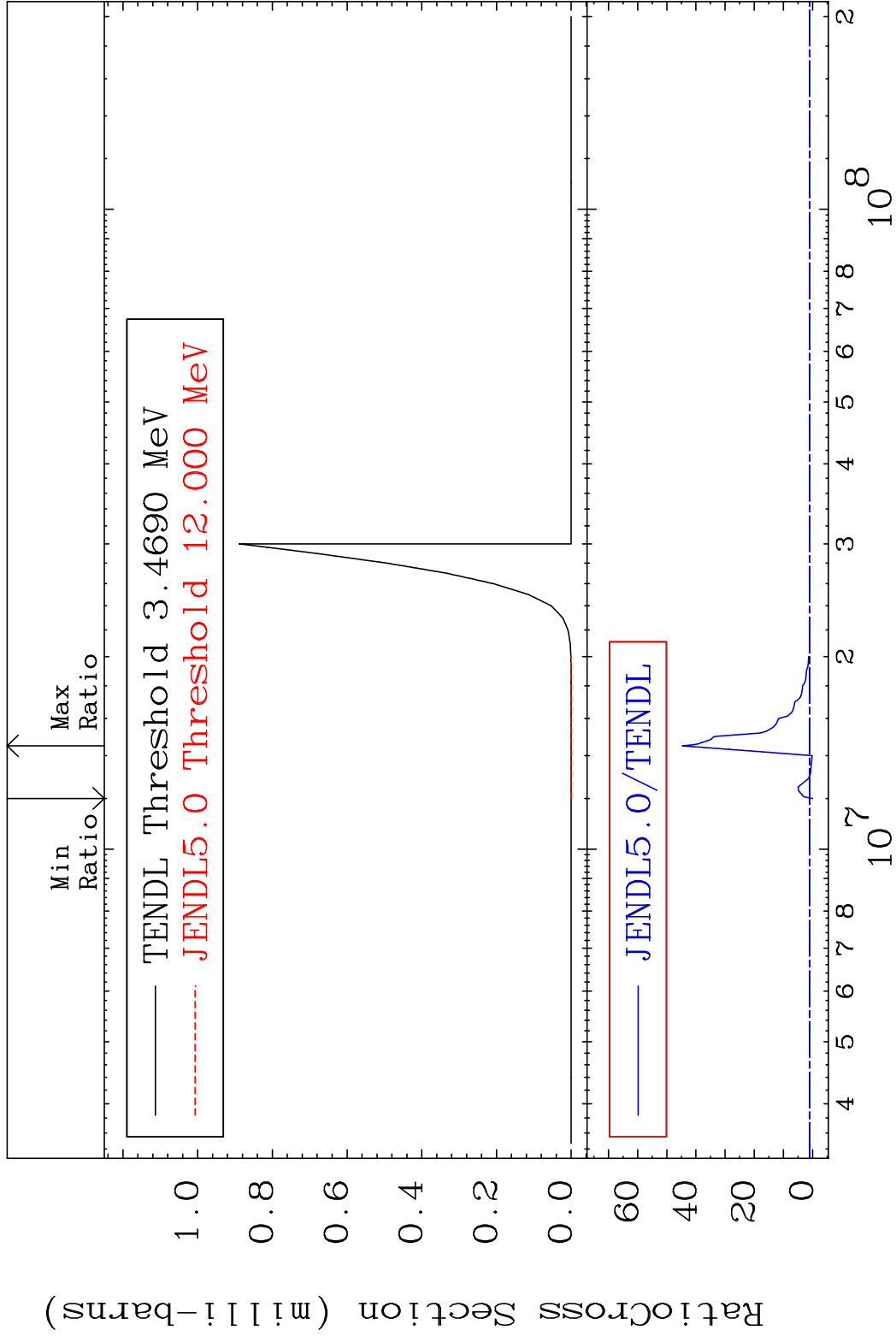
(n, t)

72-Hf-174

Cross Section -100.0 To 9999. %



Cross Section -100.0 To 4367. %

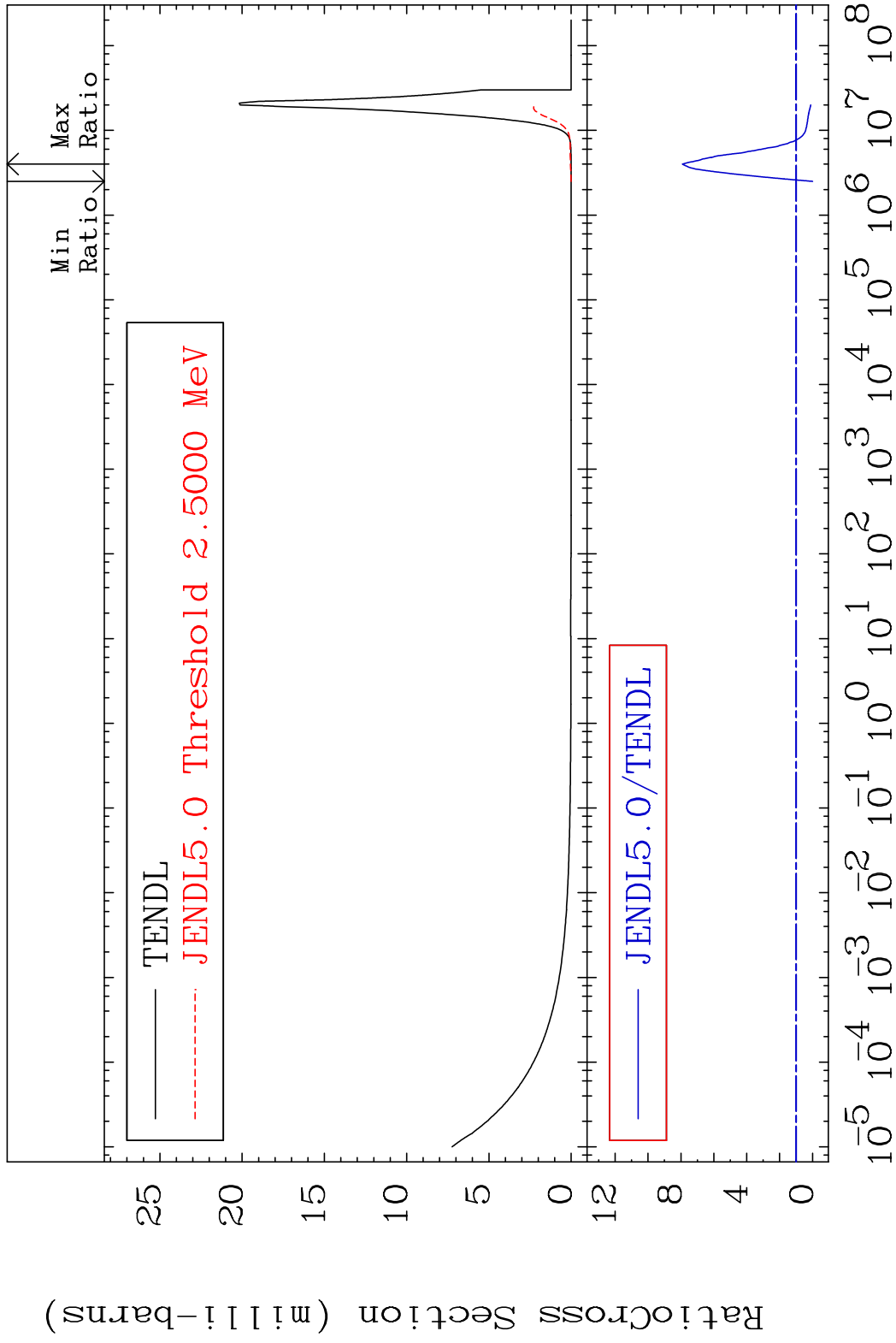


MAT 7225

(n, α)

72-Hf-174

Cross Section -100.0 To 691.4 %



37

Incident Energy (eV)

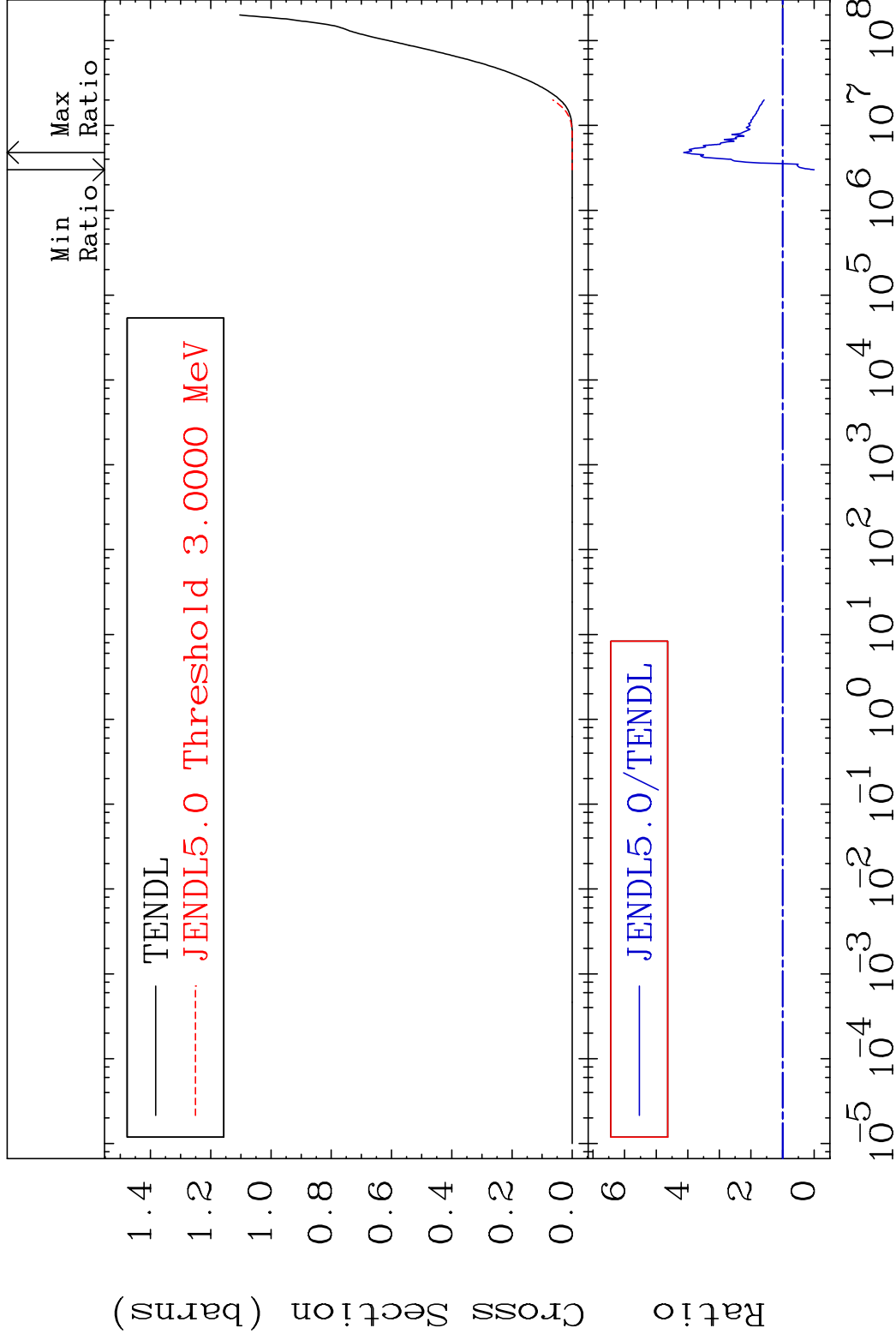
72-Hf-174

MAT 7225

Hydrogen Production

72-Hf-174

Cross Section -100.0 To 313.1 %



38

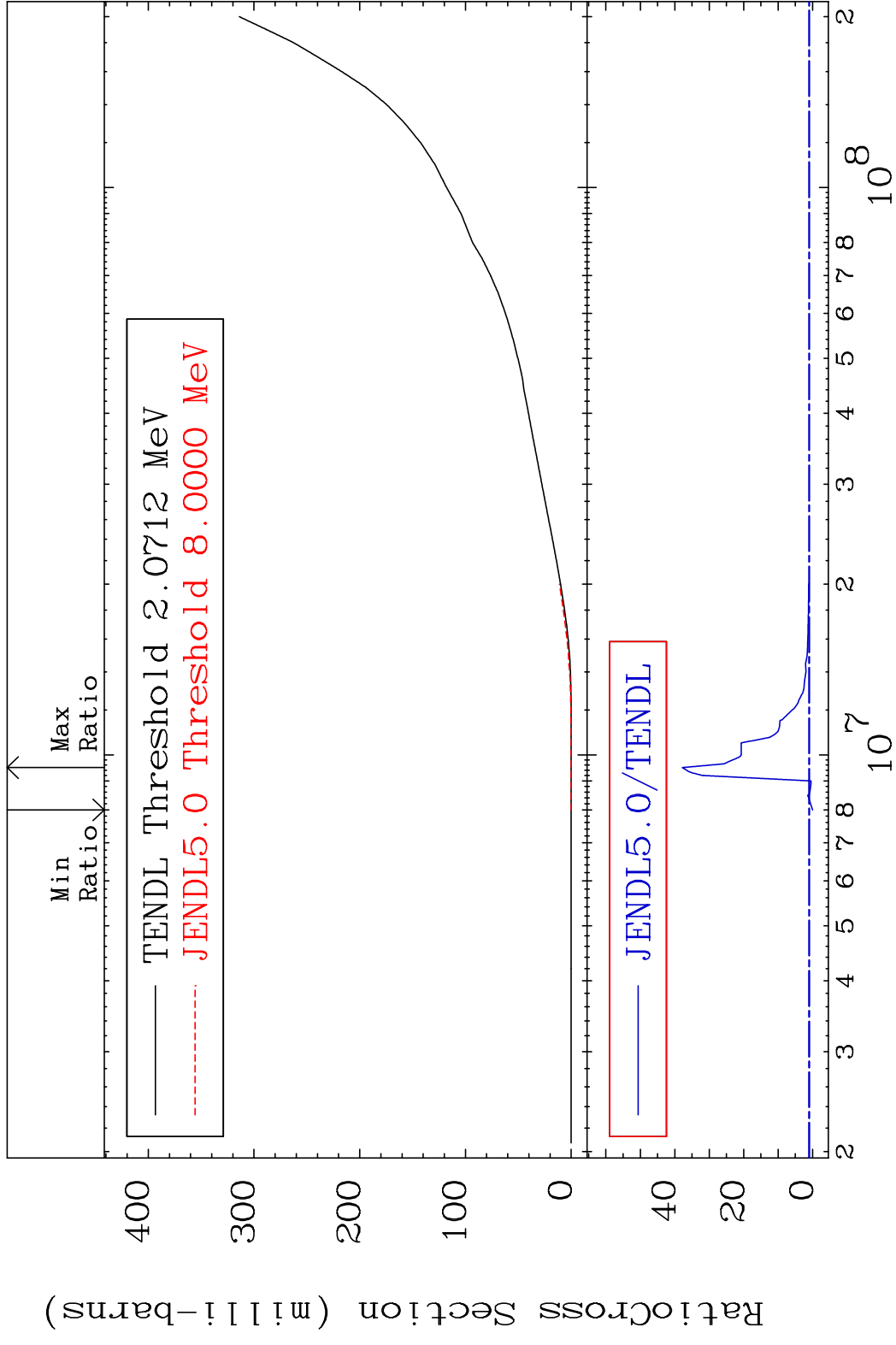
Incident Energy (eV)

72-Hf-174

MAT 7225

Deuterium Production 72-Hf-174

Cross Section -100.0 To 3680. %

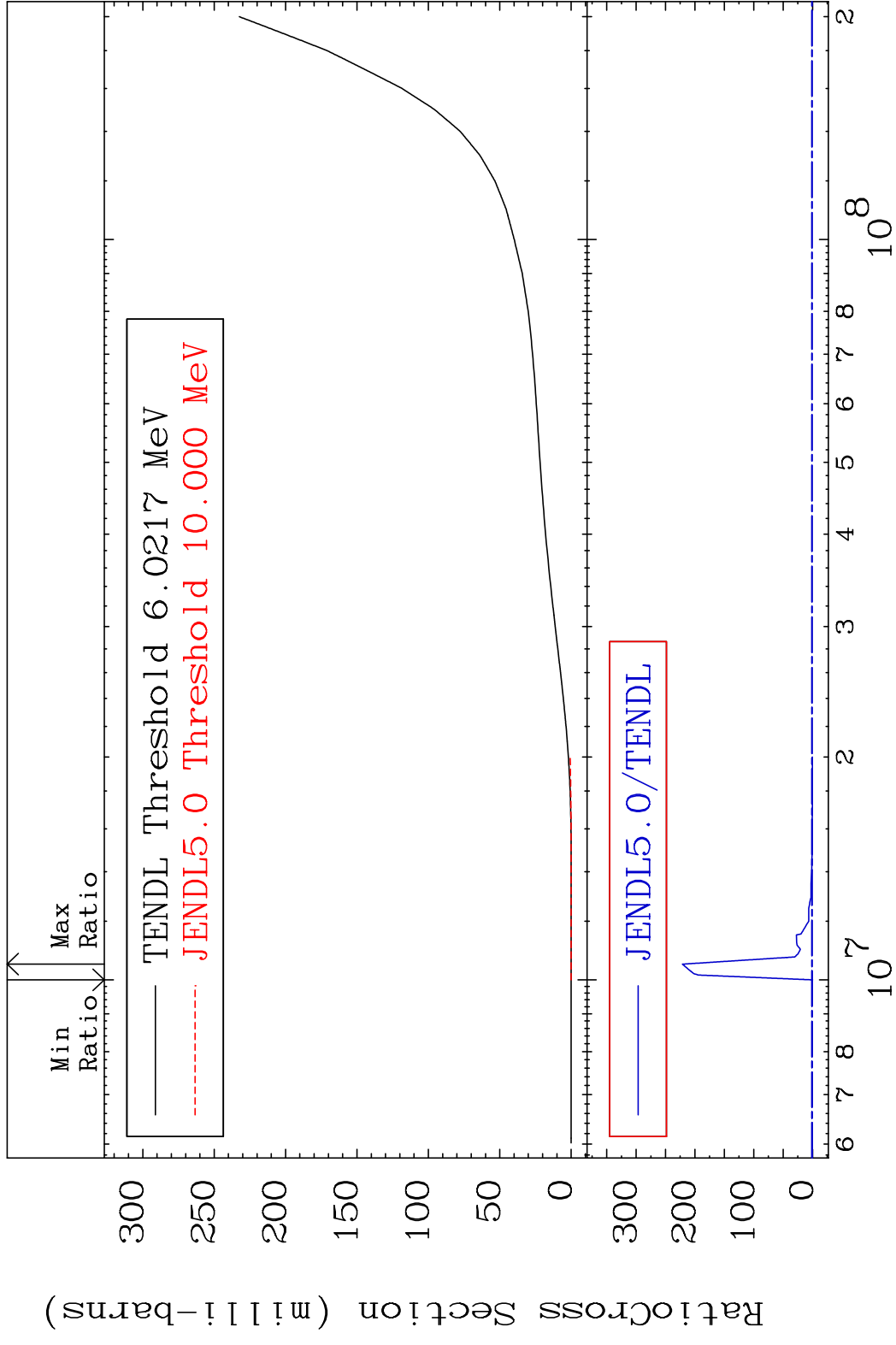


39

Incident Energy (eV)

72-Hf-174

MAT 7225 Tritium Production 72-Hf-174
 Cross Section -100.0 To 9999. %



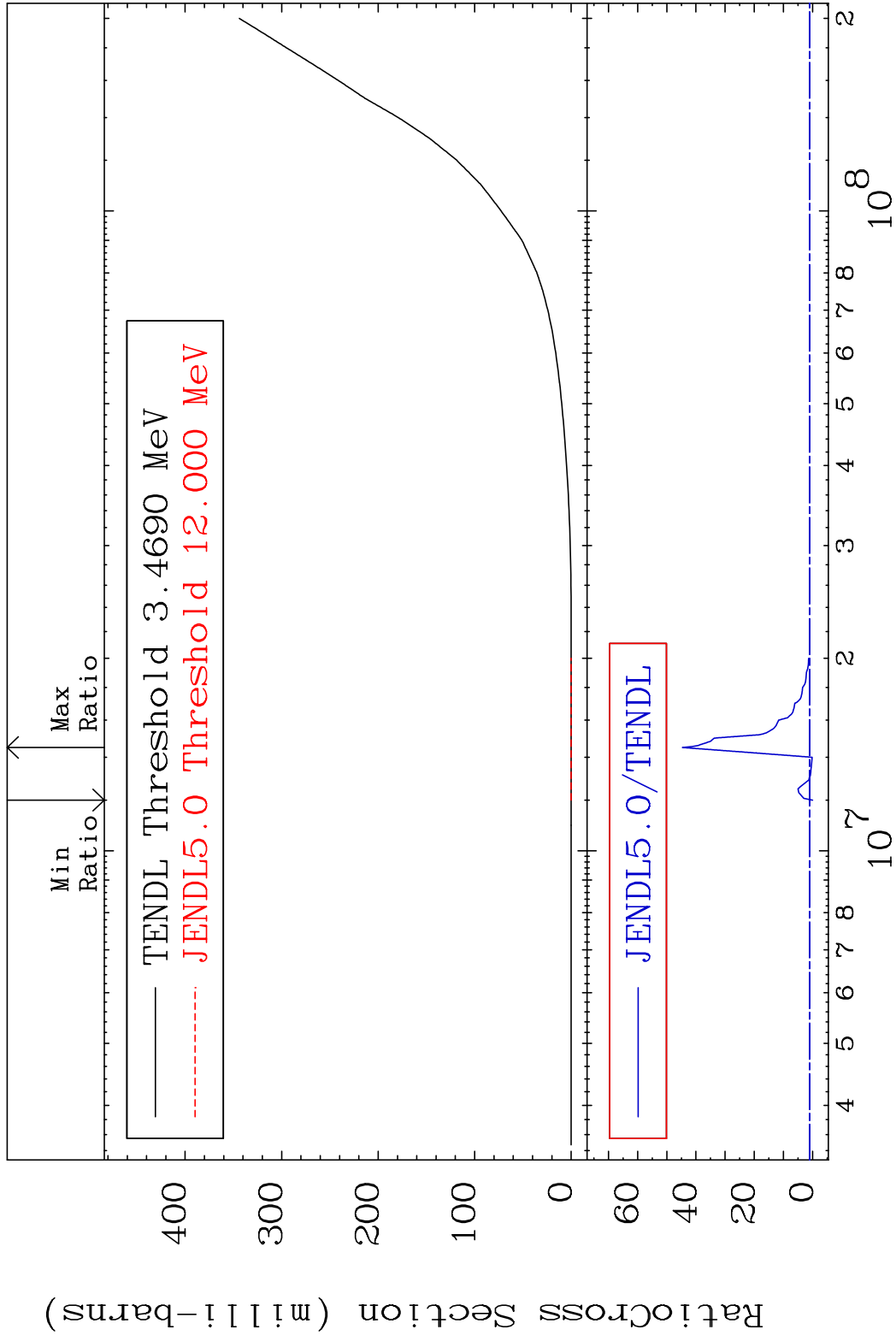
40 Incident Energy (eV) 72-Hf-174

MAT 7225

He-3 Production

72-Hf-174

Cross Section -100.0 To 4367. %



41

Incident Energy (eV)

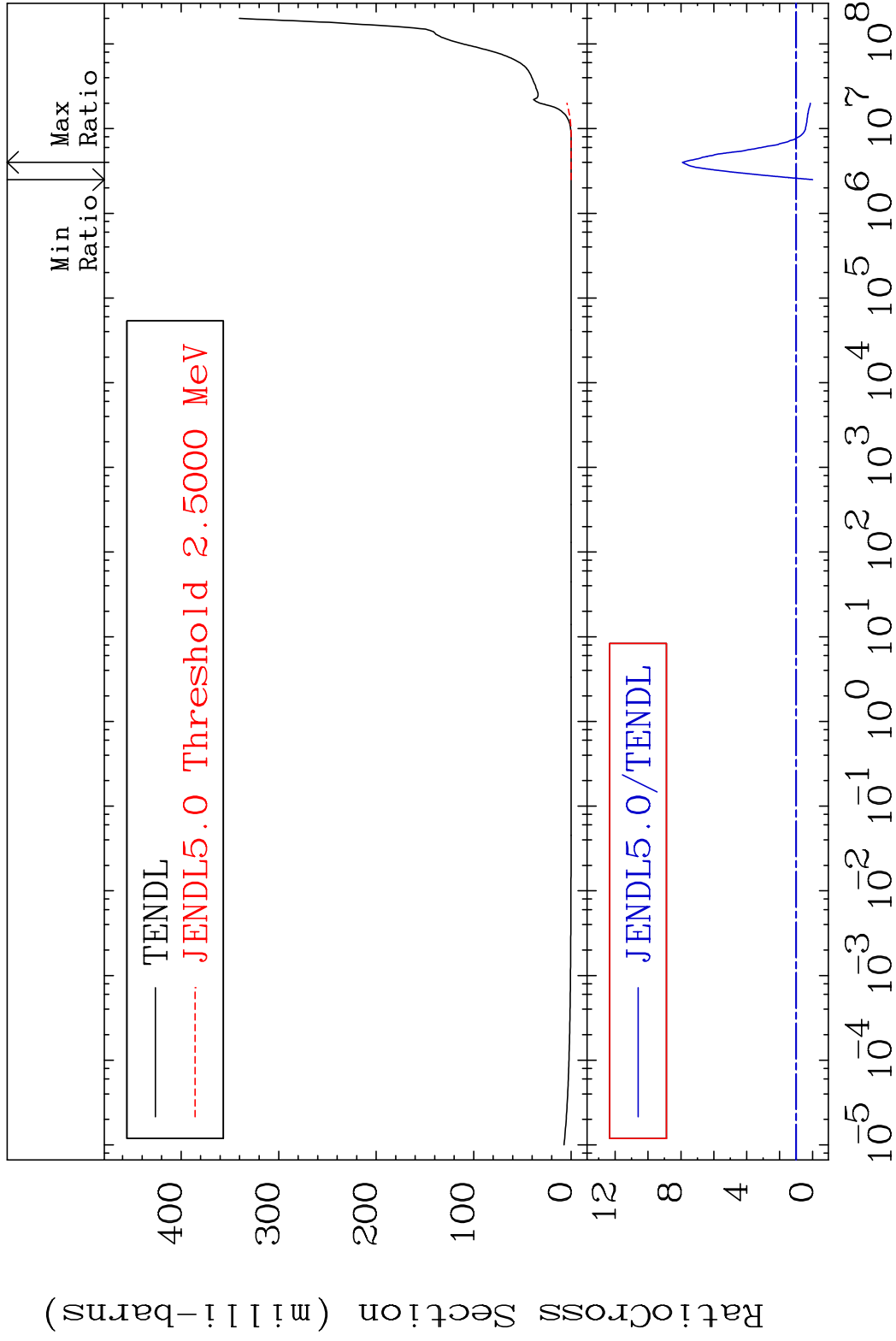
72-Hf-174

MAT 7225

He-4 Production

72-Hf-174

Cross Section -100.0 To 691.4 %

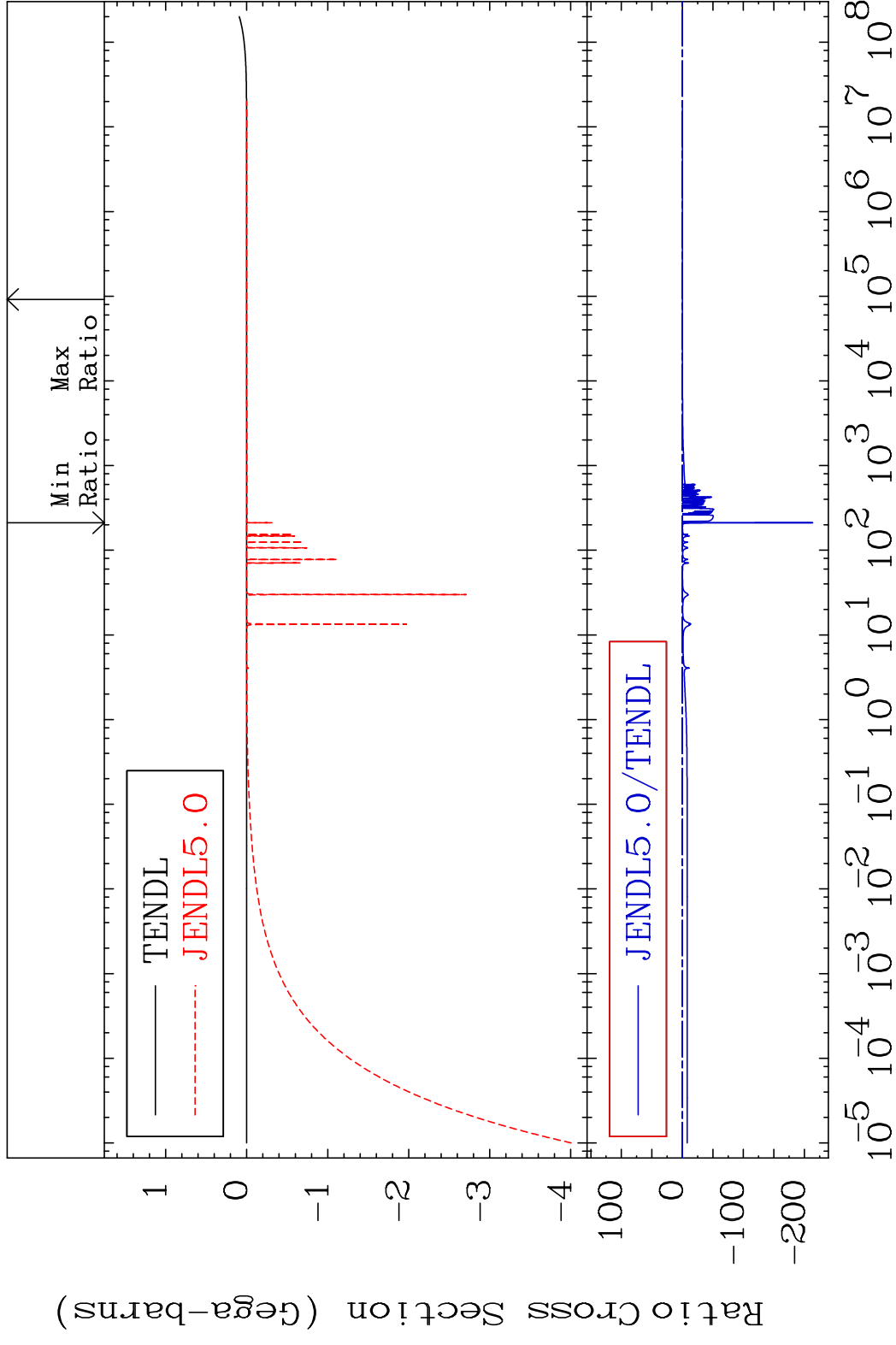


42

Incident Energy (eV)

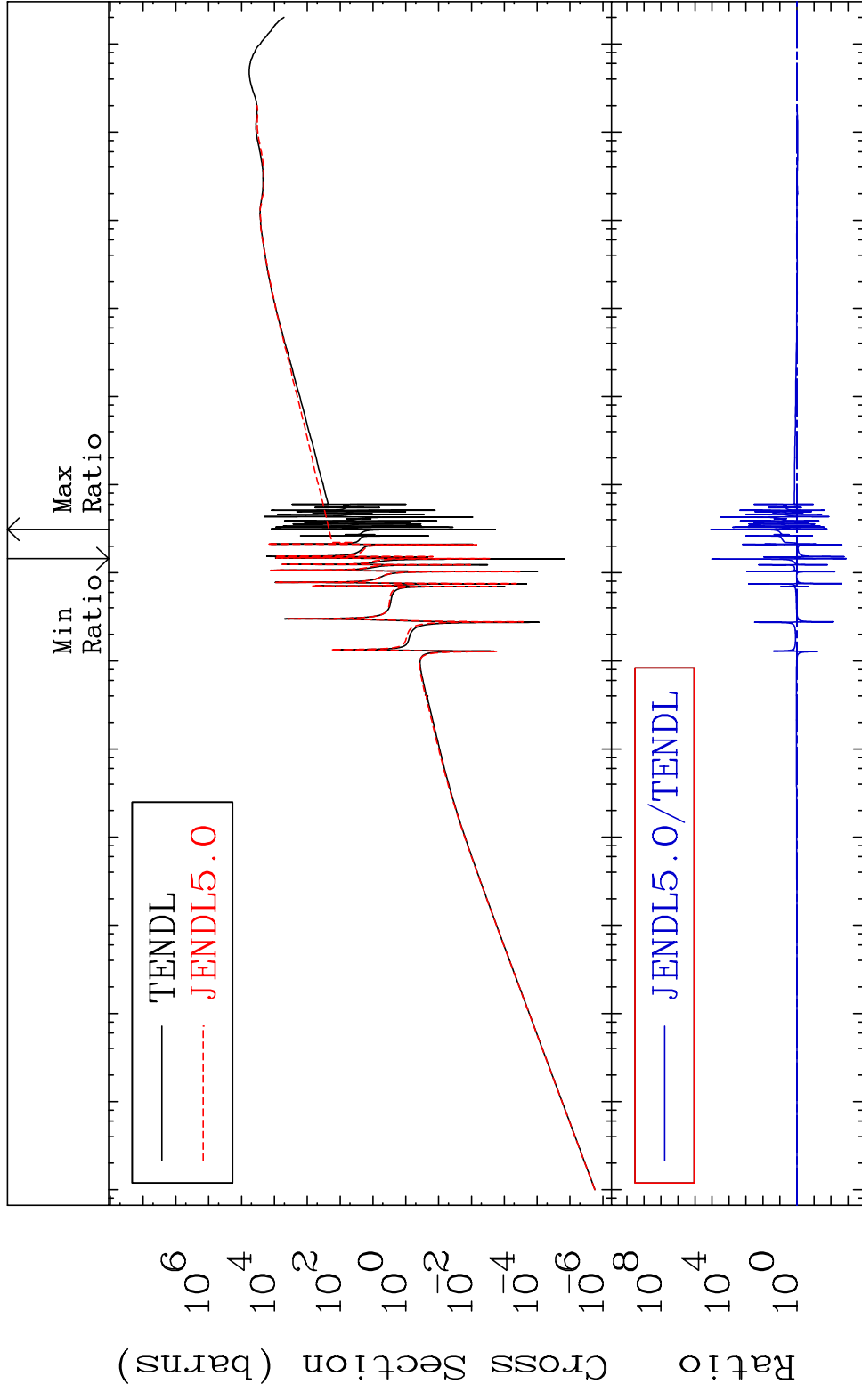
72-Hf-174

MAT 7225 Kerma total (eV-barns) 72-Hf-174
Cross Section -9999. To 639.8 %

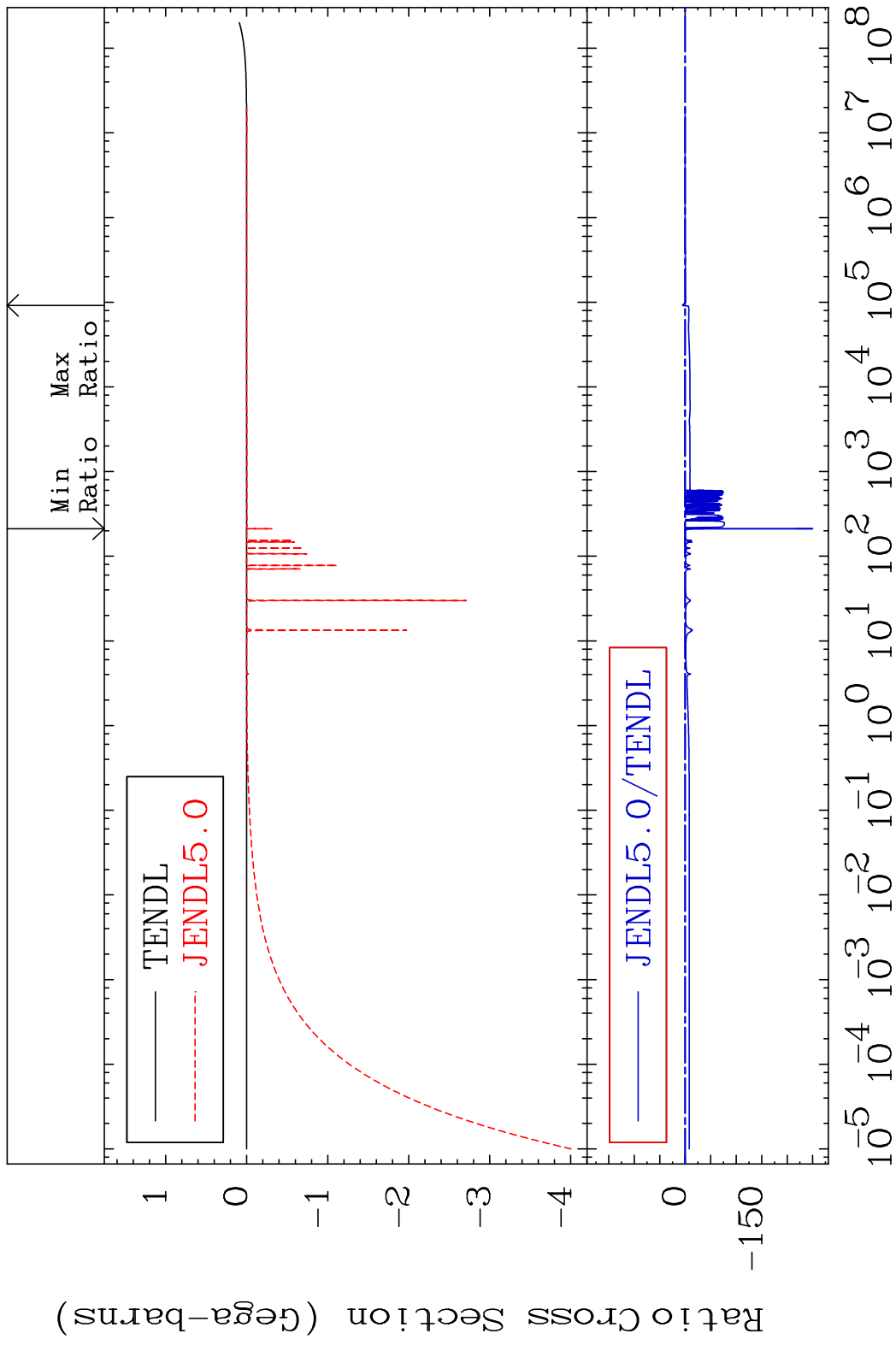


MAT 7225

Kerma elastic Cross Section -99.88 To 9999. %
72-Hf-174

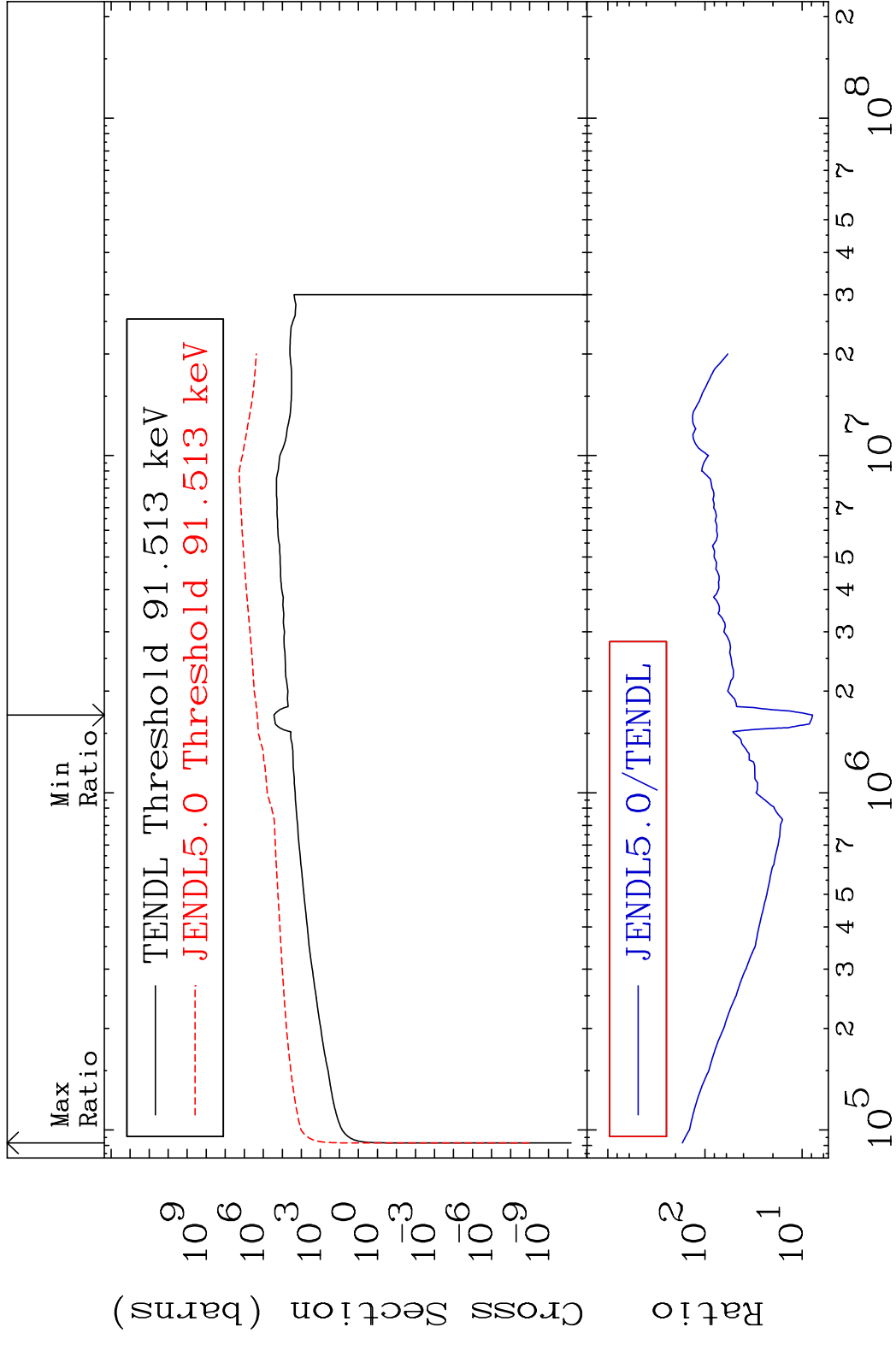


MAT 7225 Kerma non-elastic (all but mt2) 72-Hf-174
 Cross Section -9999. To 9999. %

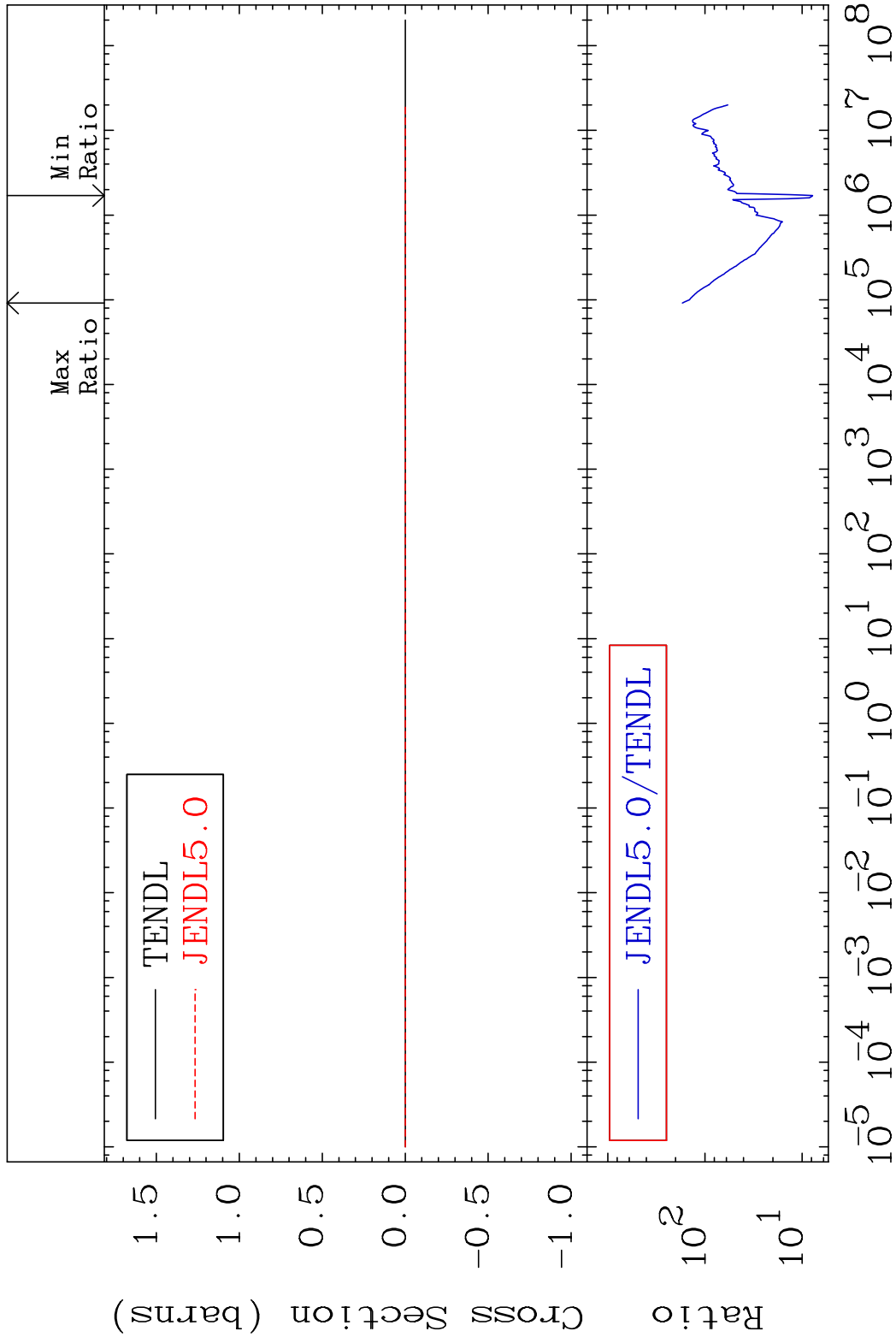


45 Incident Energy (eV) 72-Hf-174

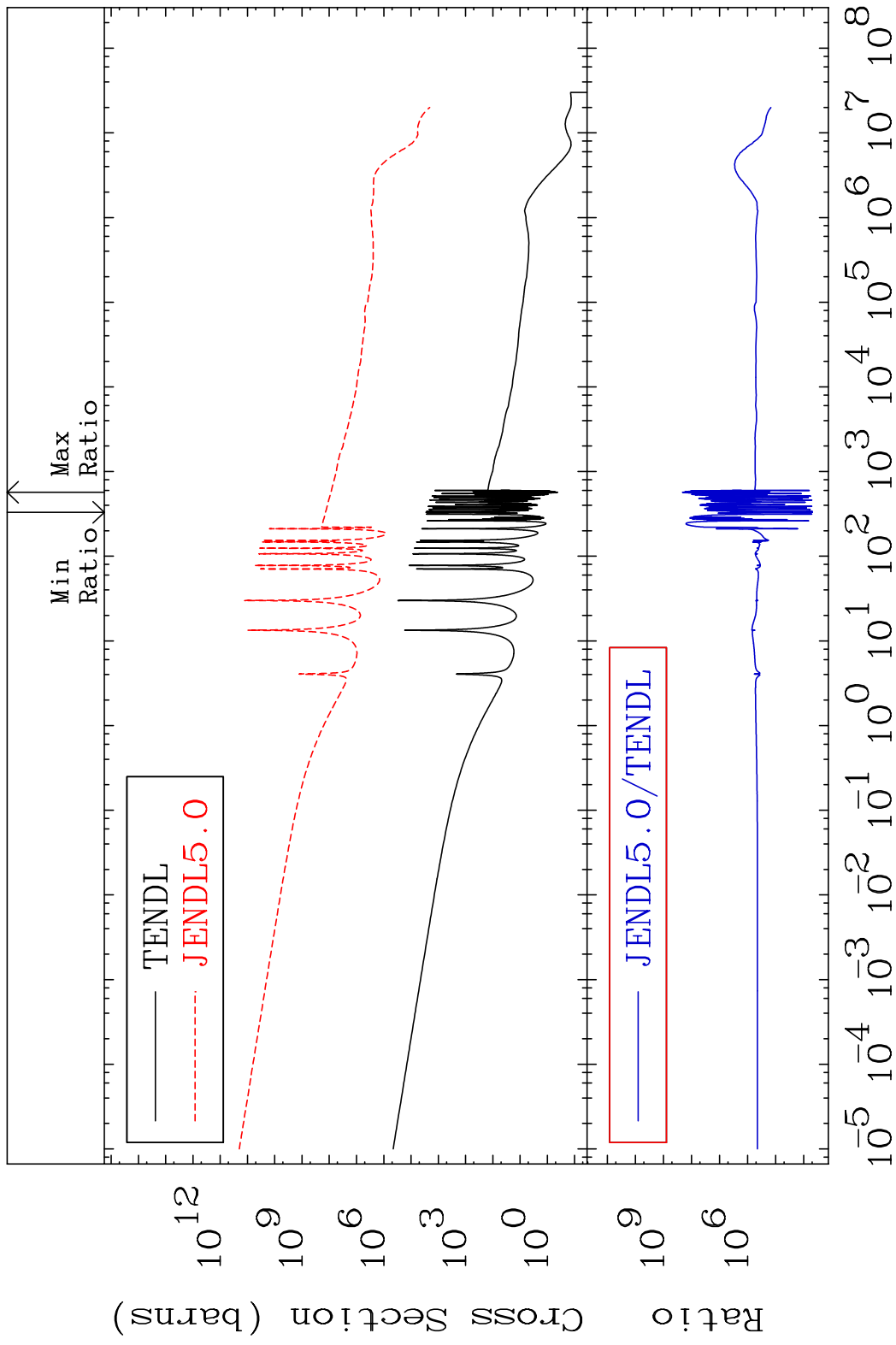
MAT 7225 Kerma inelastic (mt51-91) 72-Hf-174
 Cross Section 680.1 To 9999. %



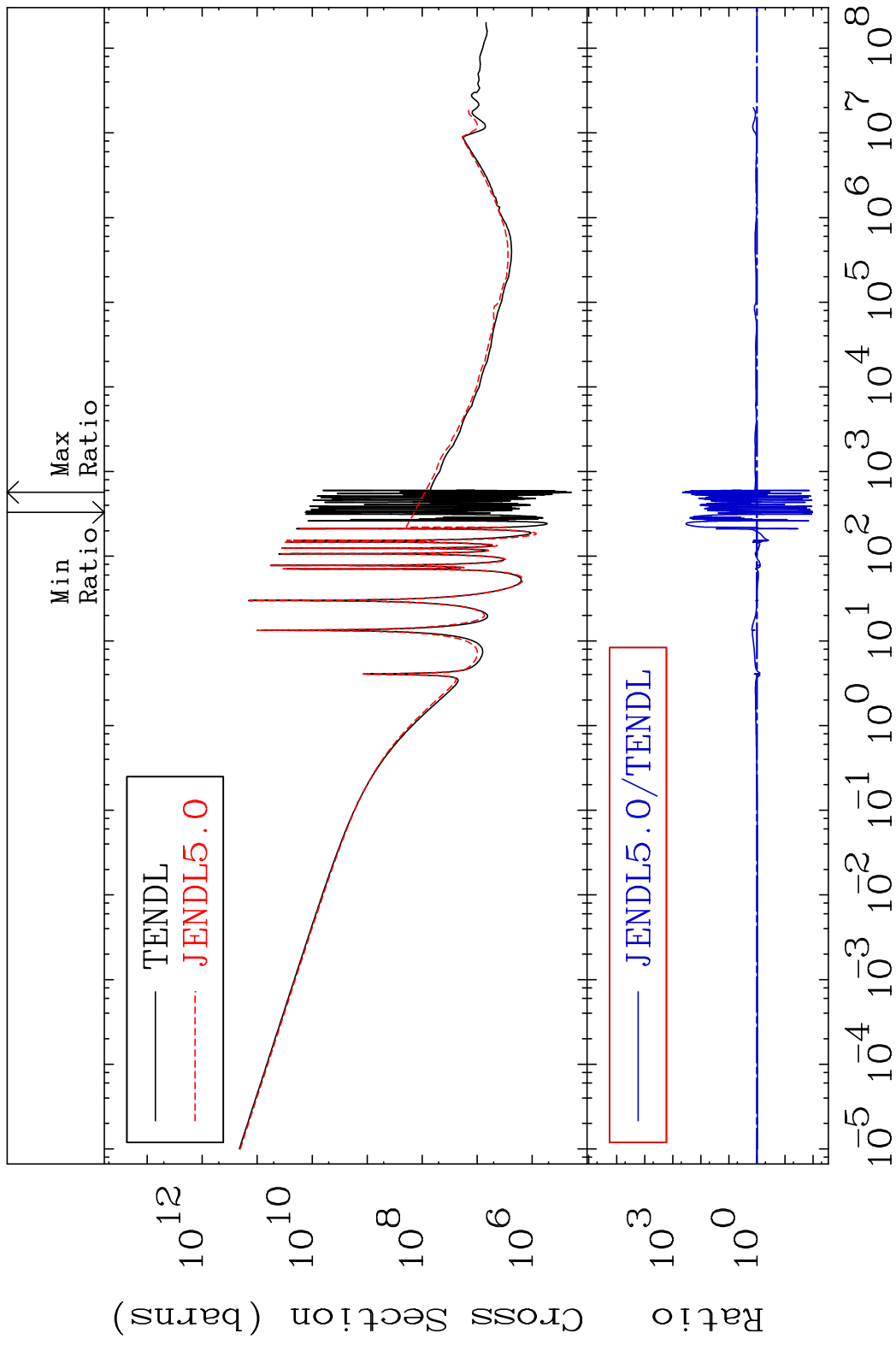
MAT 7225 Kerma fission (mt18 or mt19-20-21-38)72-Hf-174
 Cross Section 680.1 To 9999. %



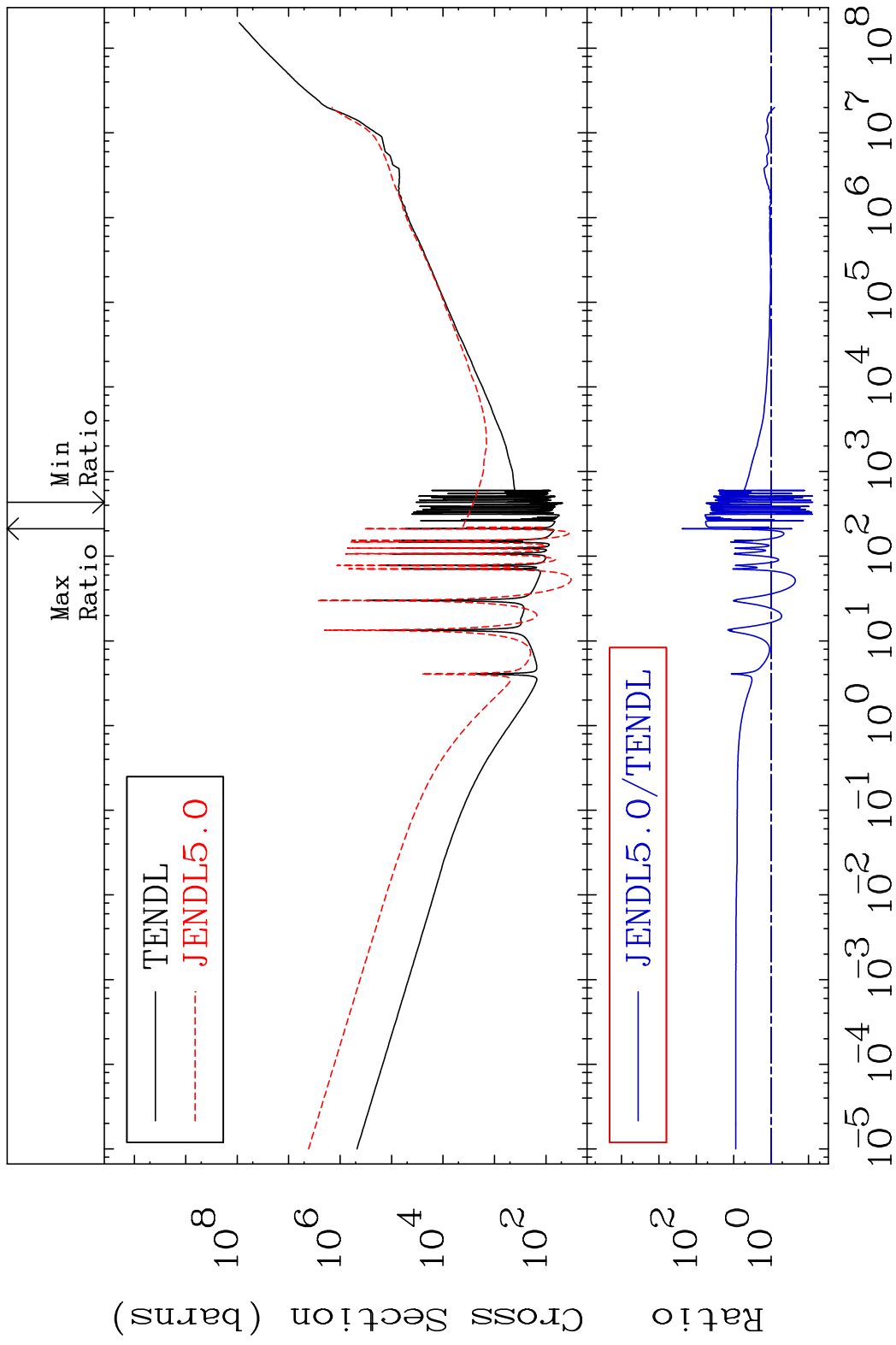
MAT 7225 Kerma capture (mt102) 72-Hf-174
 Cross Section 9999. To 9999. %



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 -92.26 To 9999. %

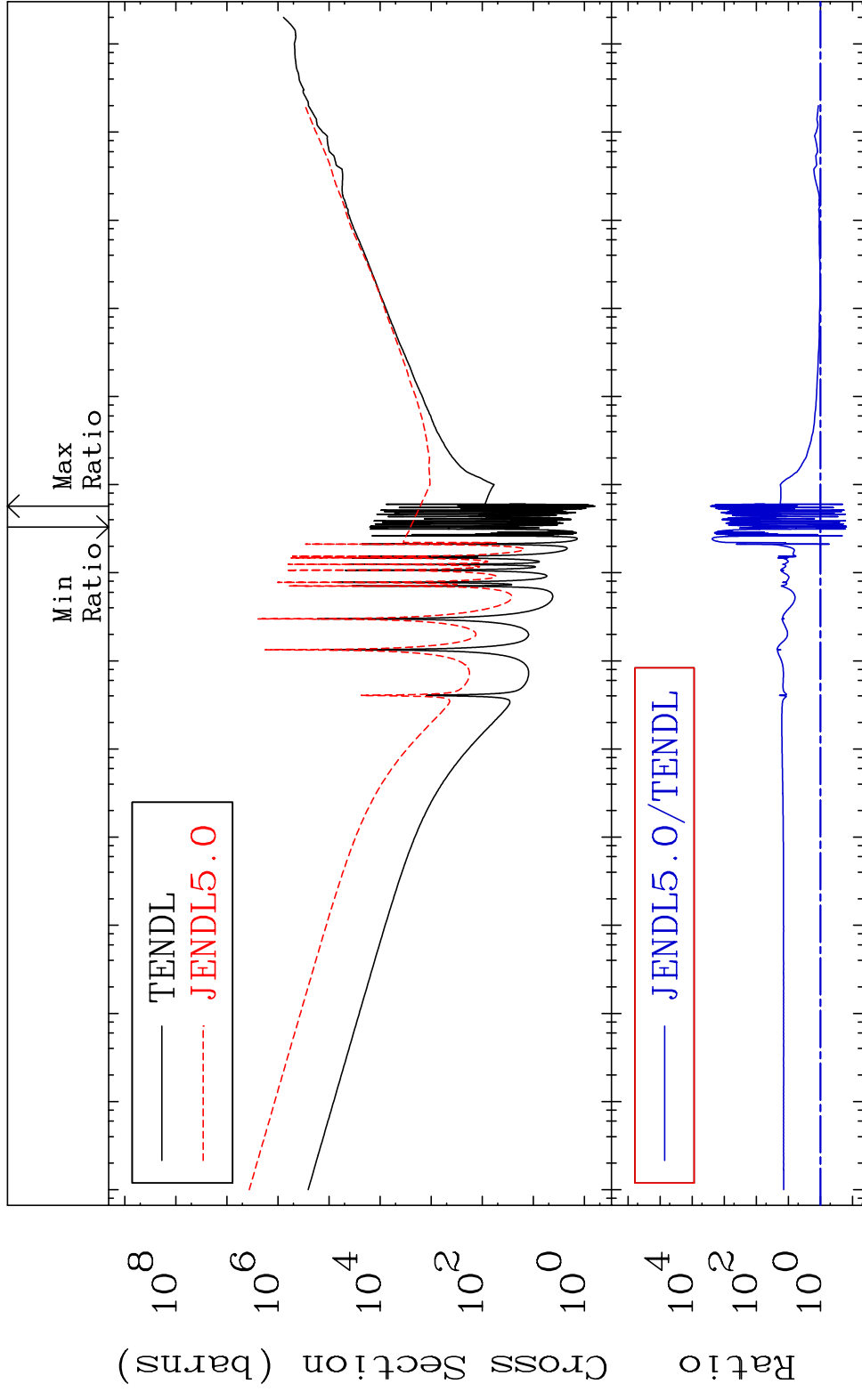


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -84.25 To 9999. %

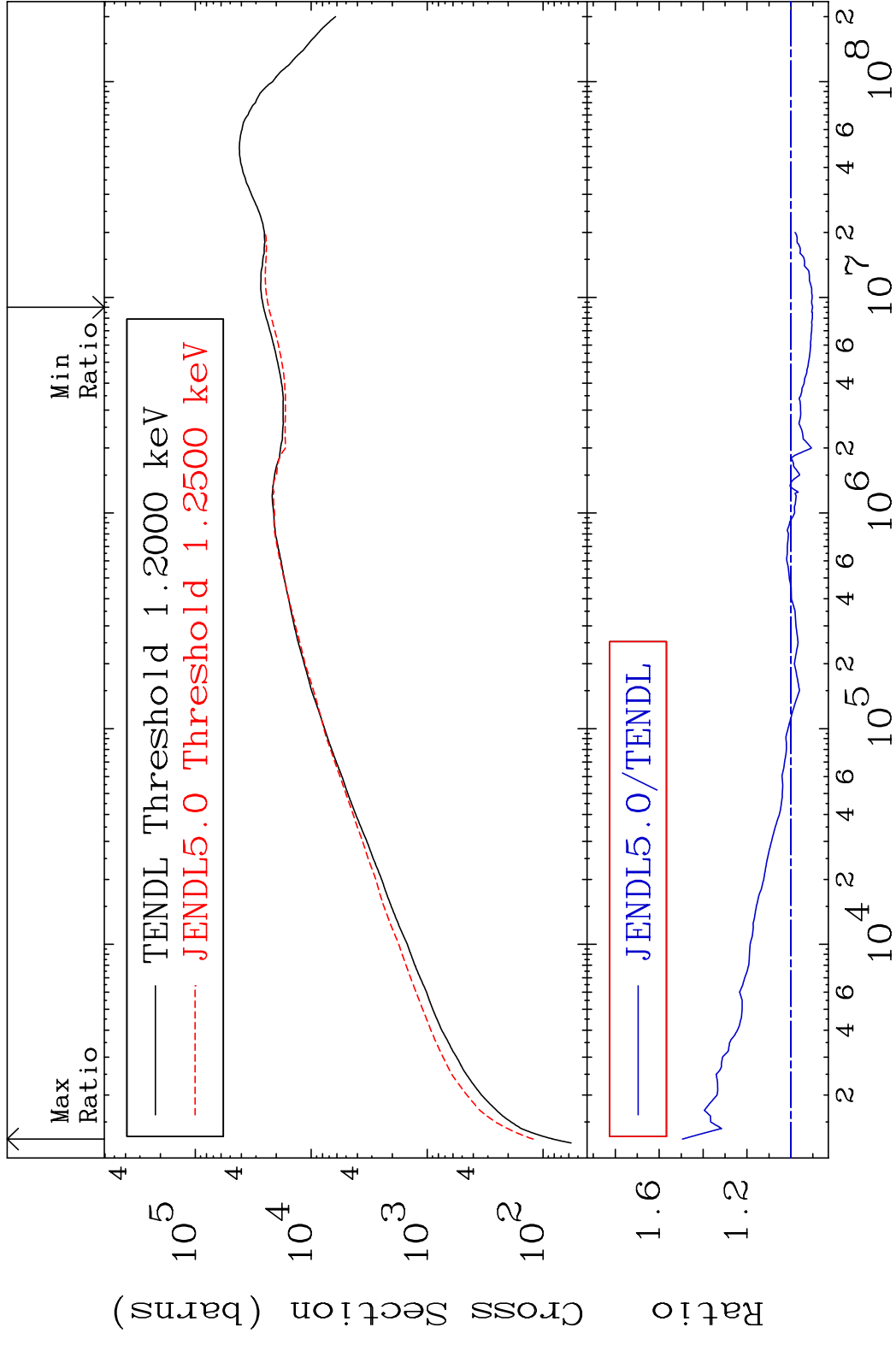


MAT 7225

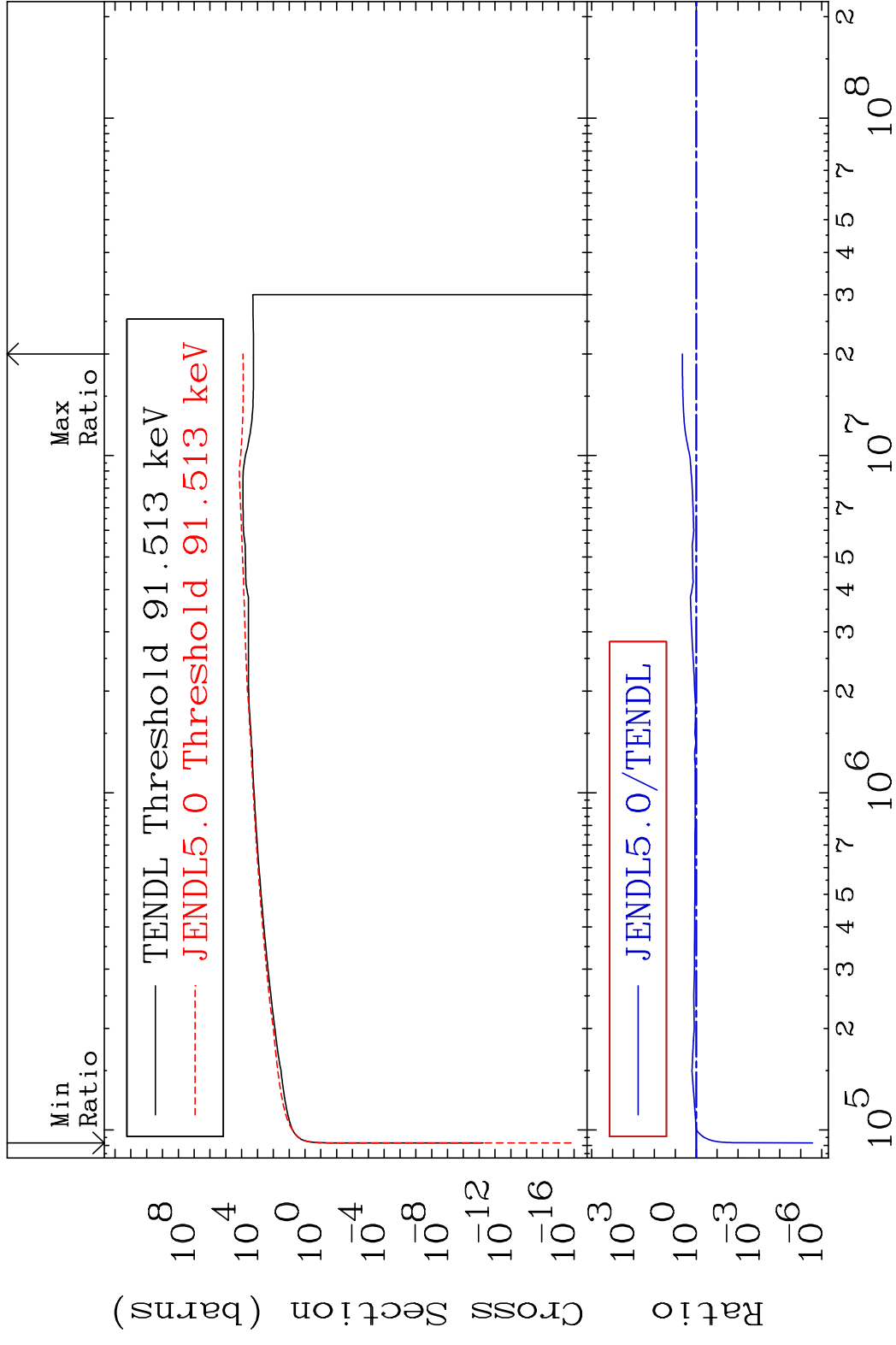
Dpa elastic (mt2)

72-Hf-174

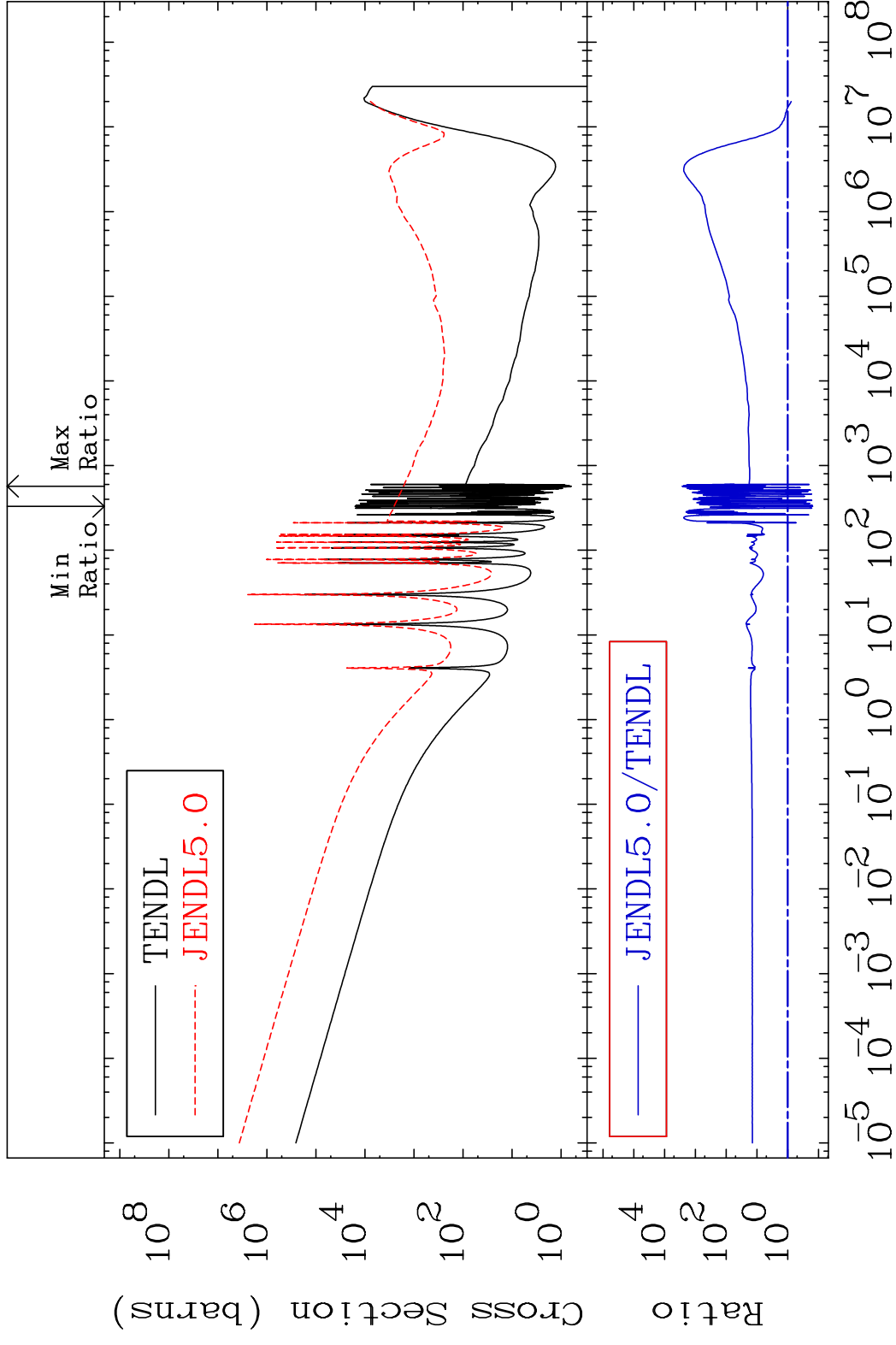
Cross Section -9.838 To 49.45 %

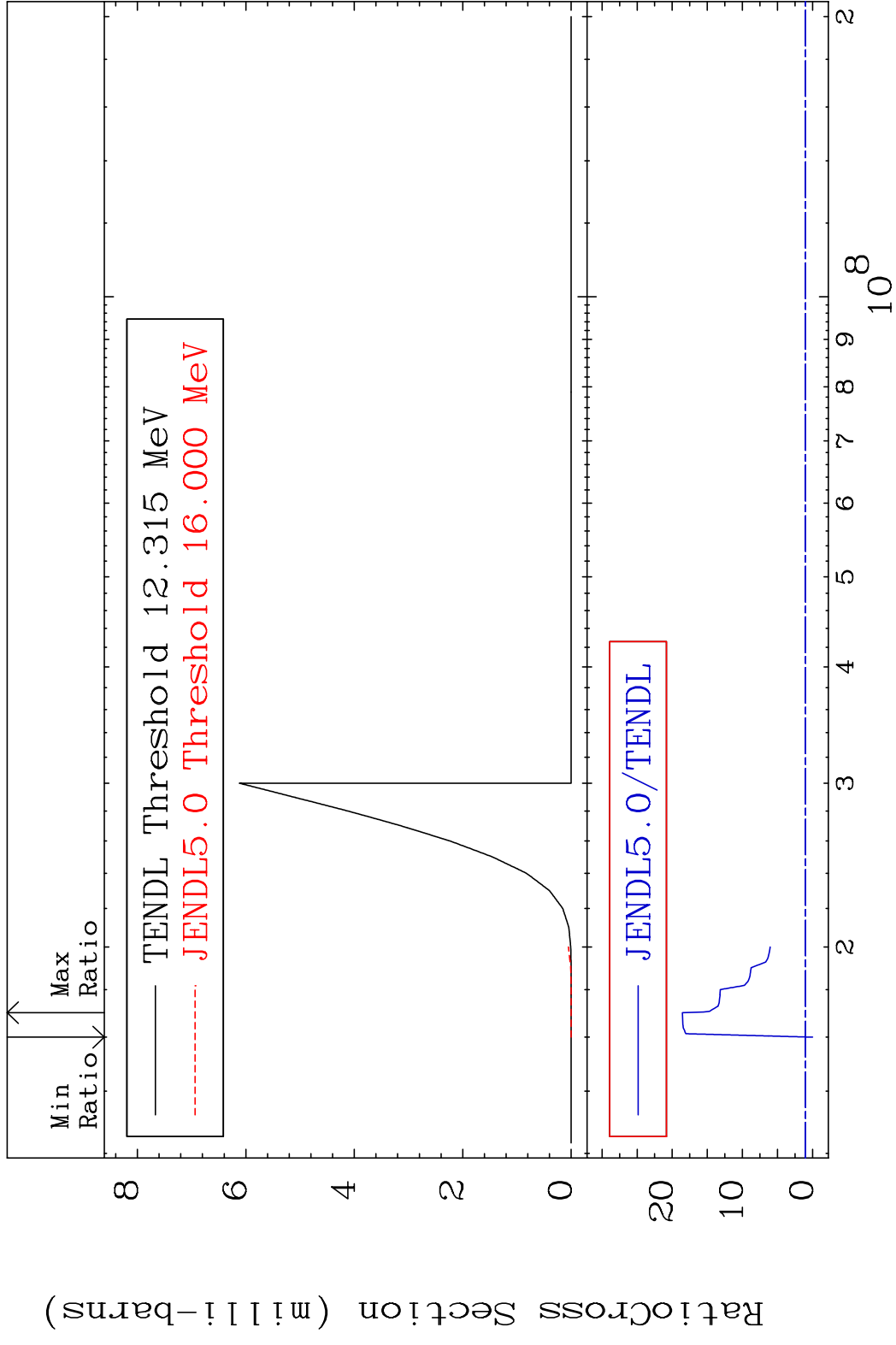


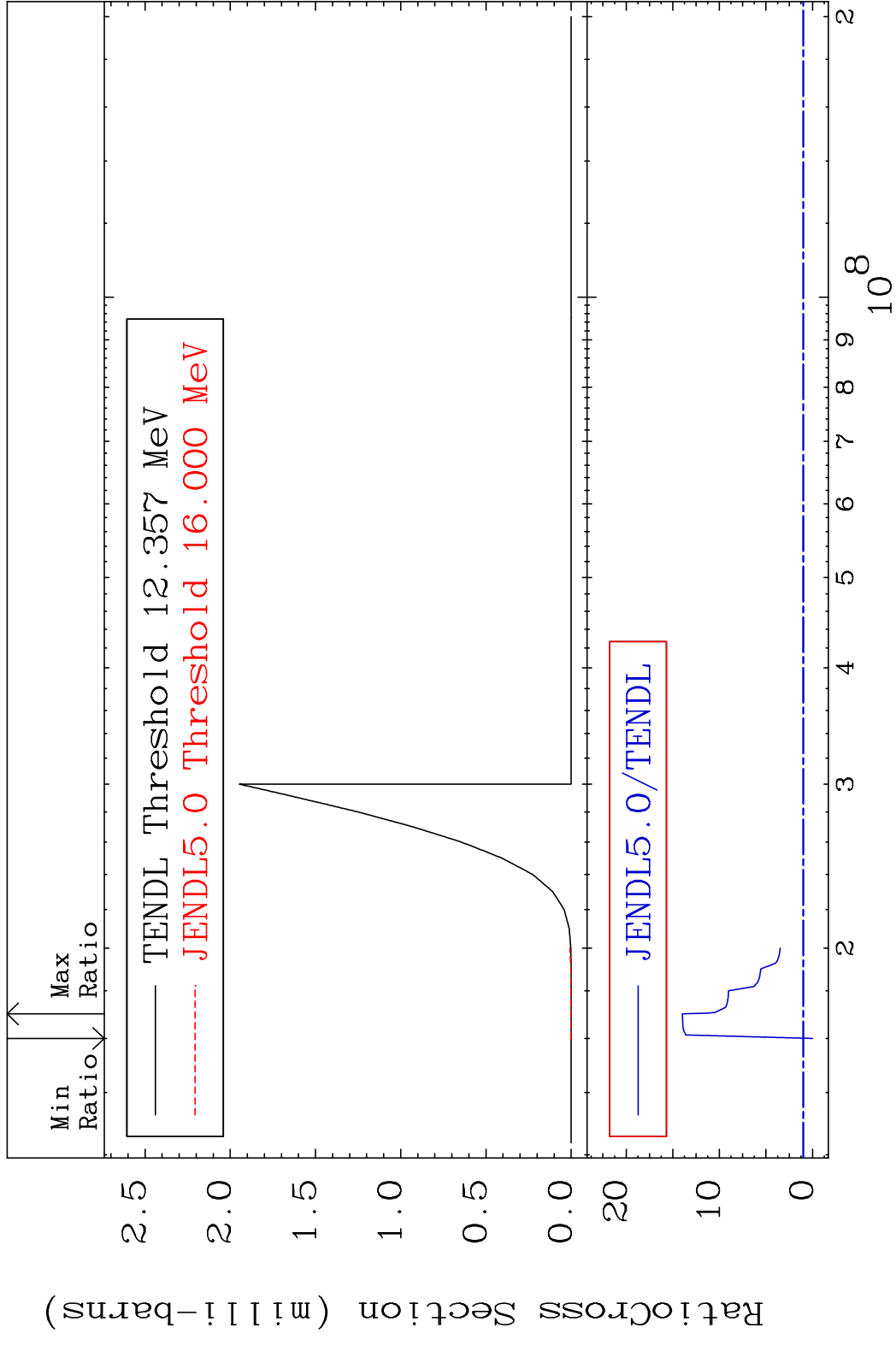
MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 359.9 %



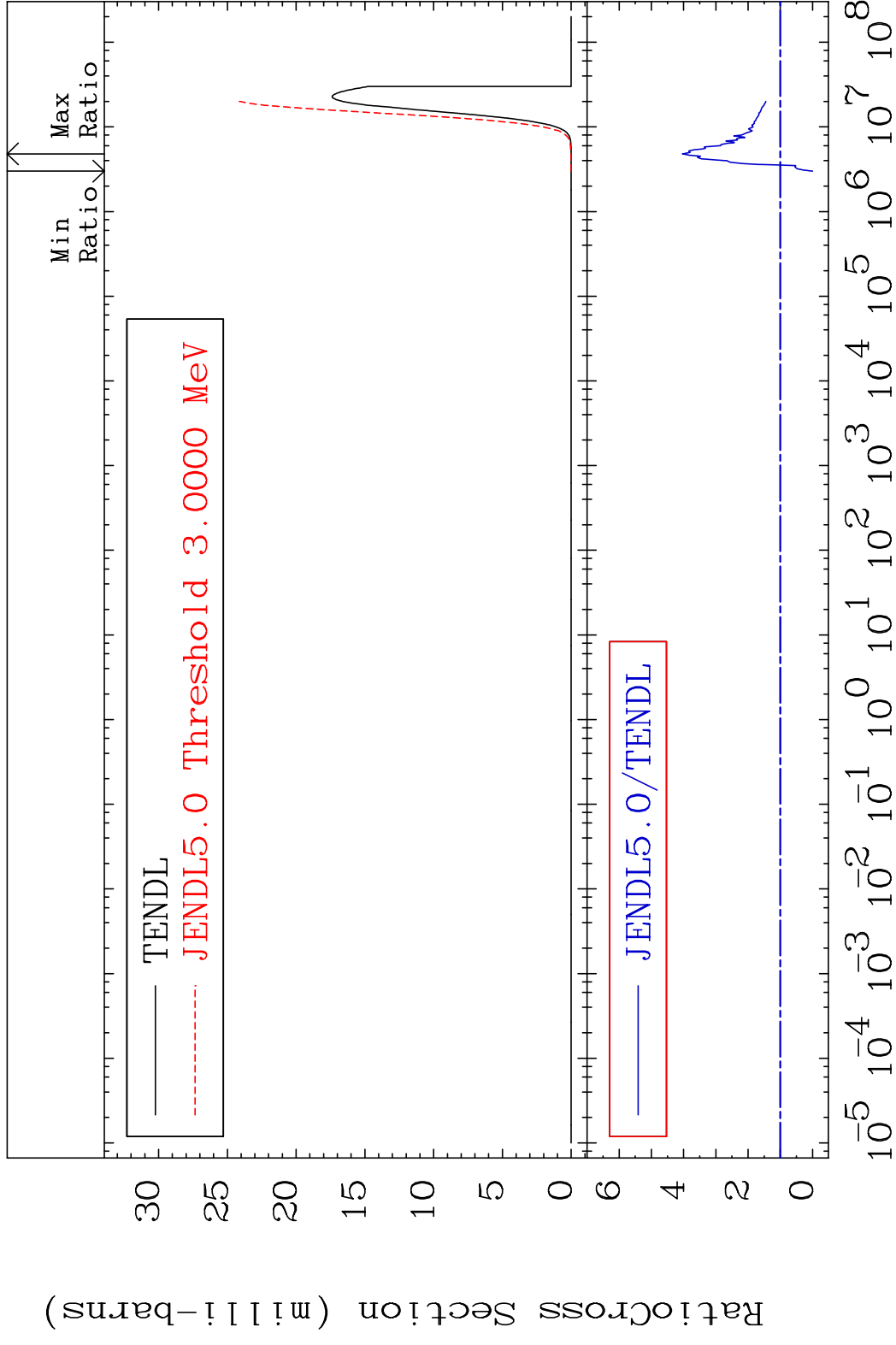
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -84.25 To 9999. %



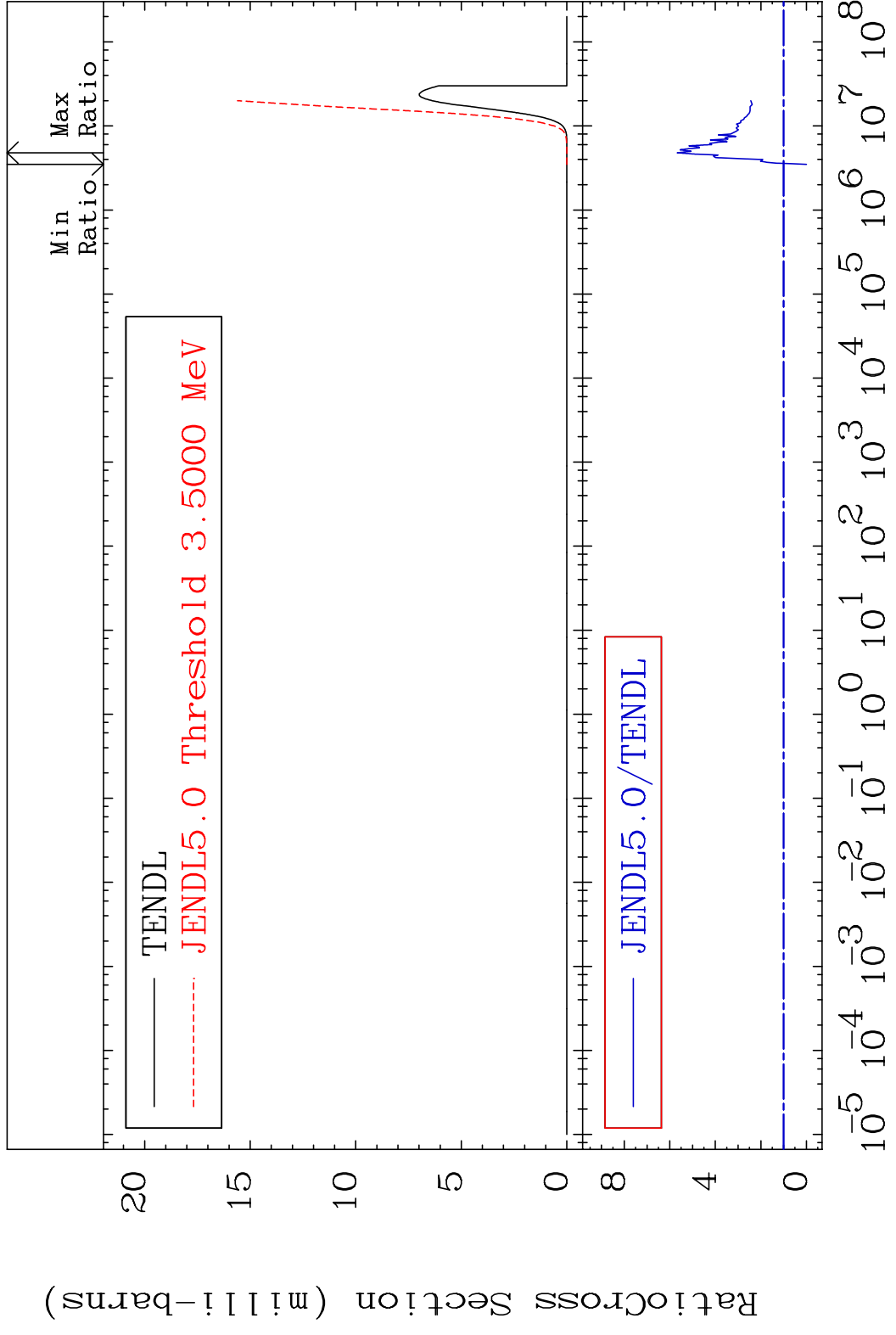




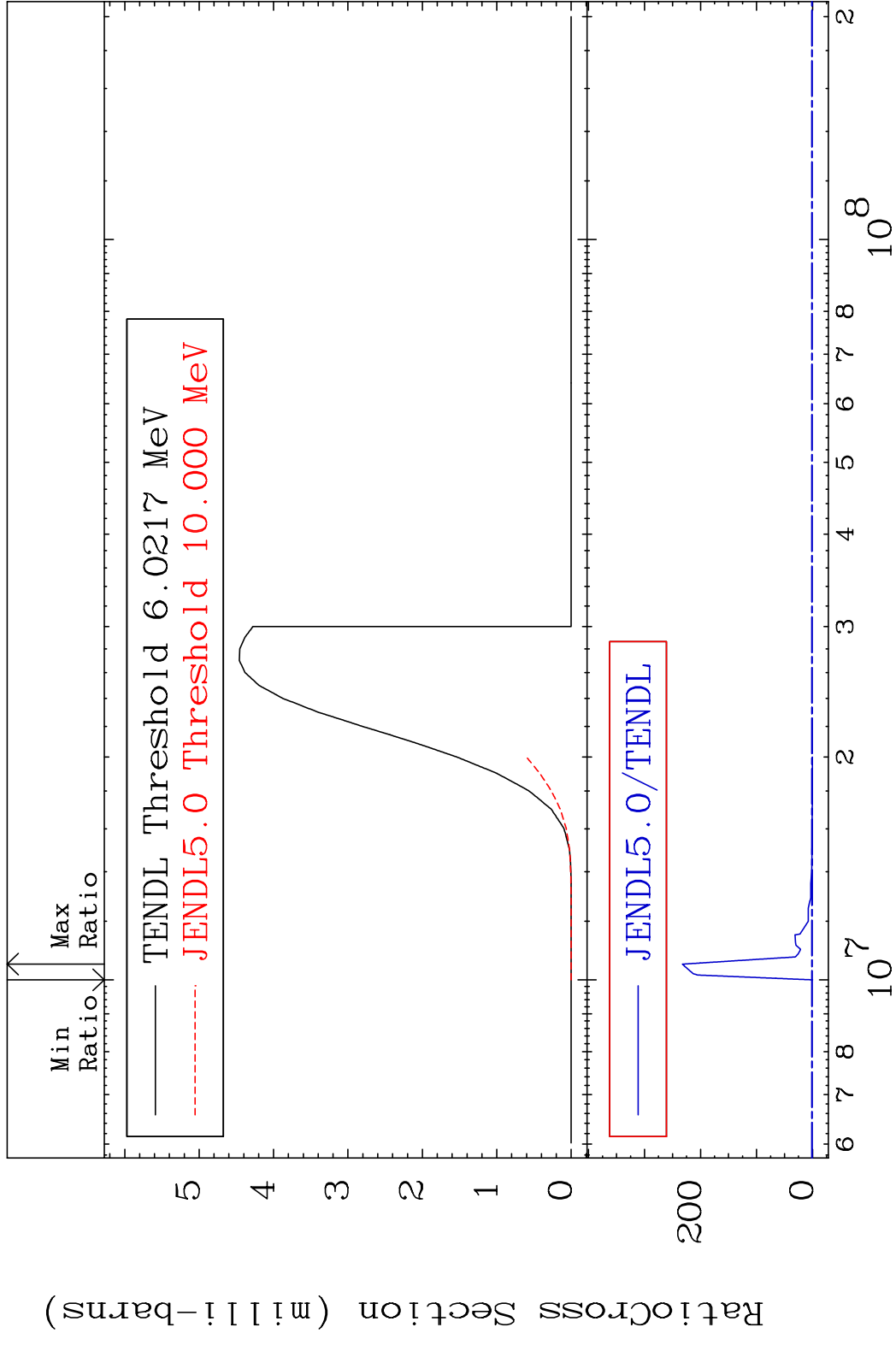
MAT 7225 (n,p):71-Lu-174g 72-Hf-174
 Radionuclide Production Cross Section 180.01 dth 303.9 %



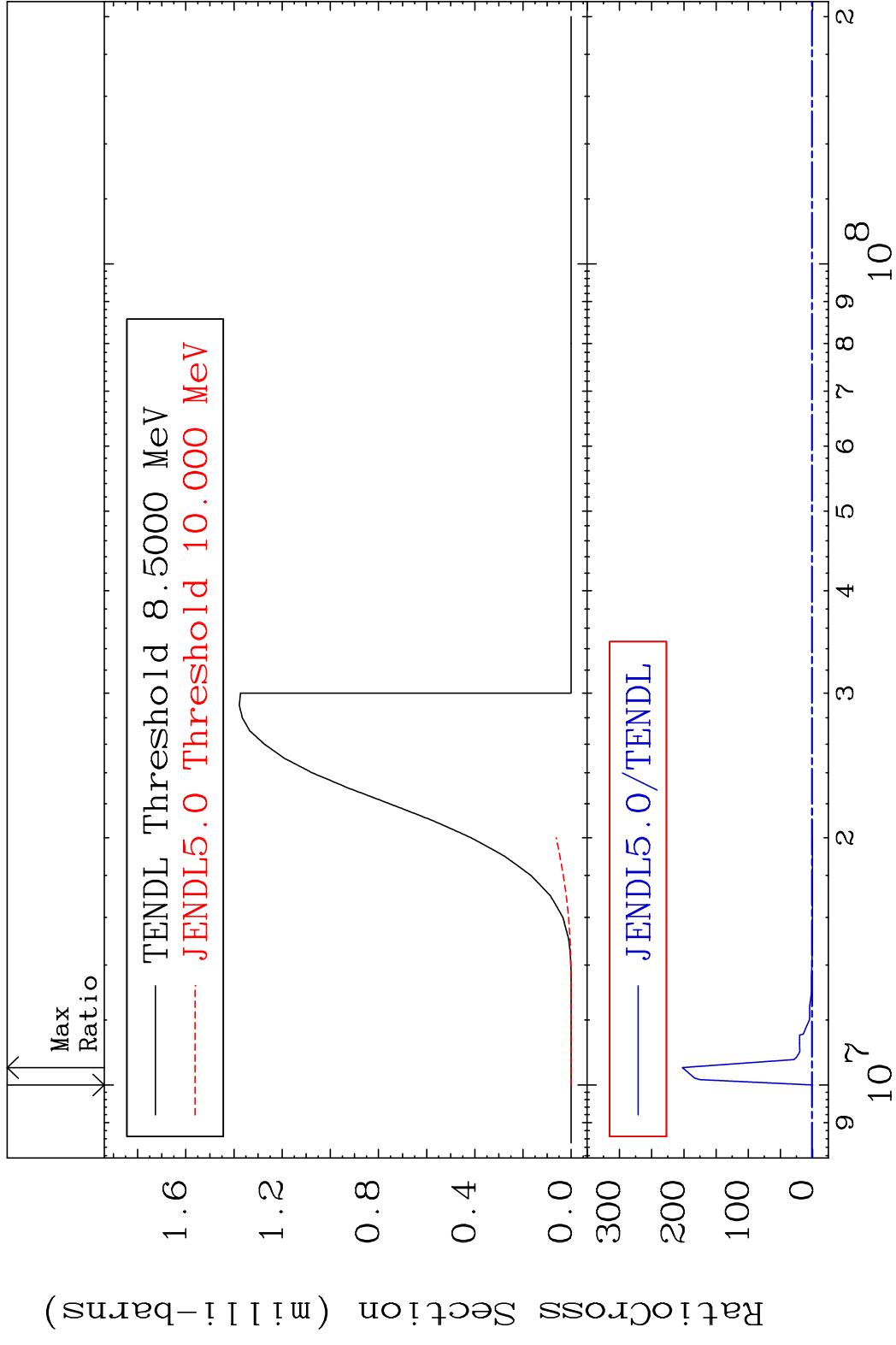
MAT 7225 (n, p): 71-Lu-174m3 72-Hf-174
 Radionuclide Production Cross Section 180.0 dth 467.5 %



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

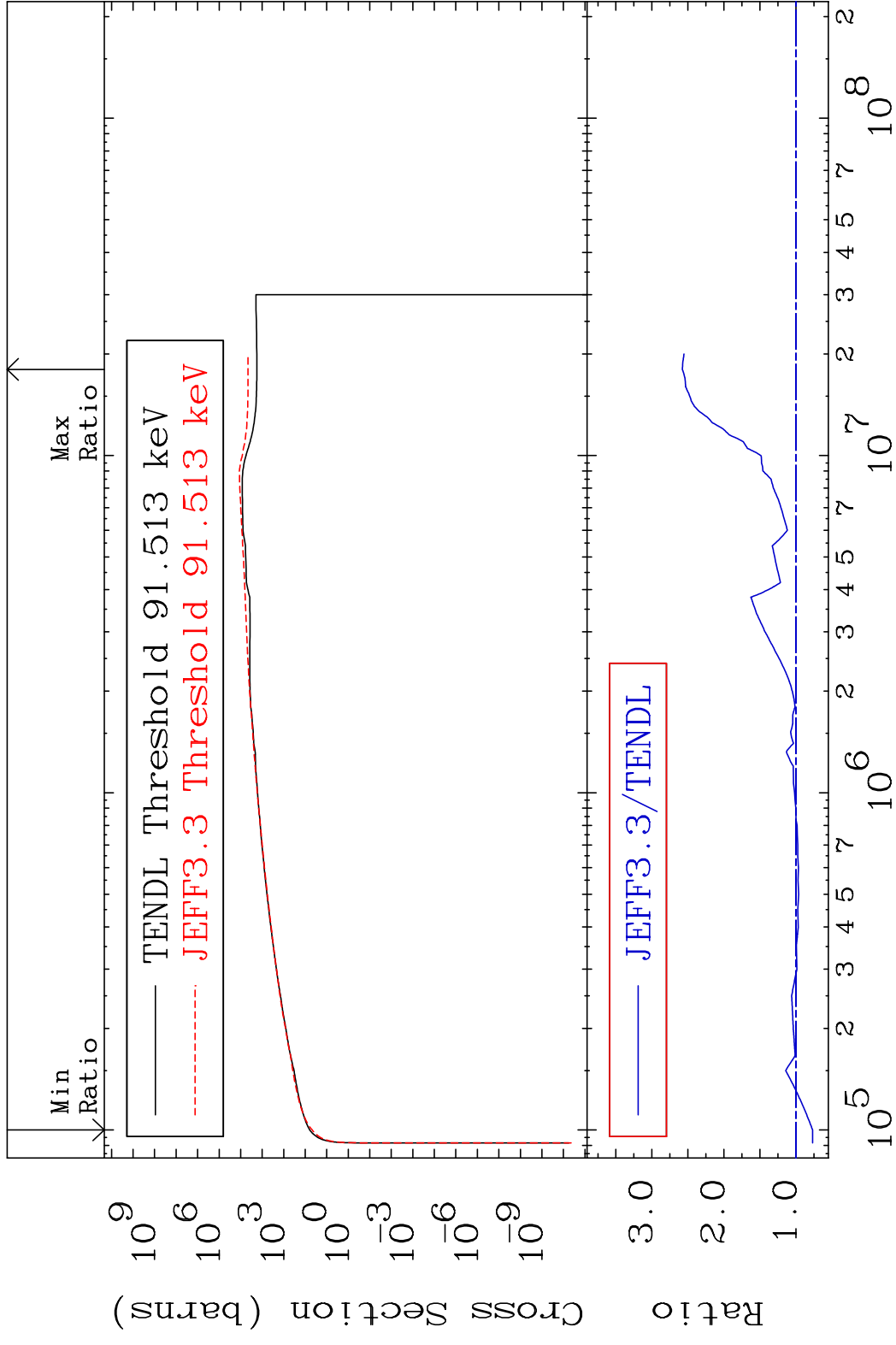


MAT 7225 (n, t):71-Lu-172m1 72-Hf-174
 Radionuclide Production Cross Section 100.00 dth 9999. %



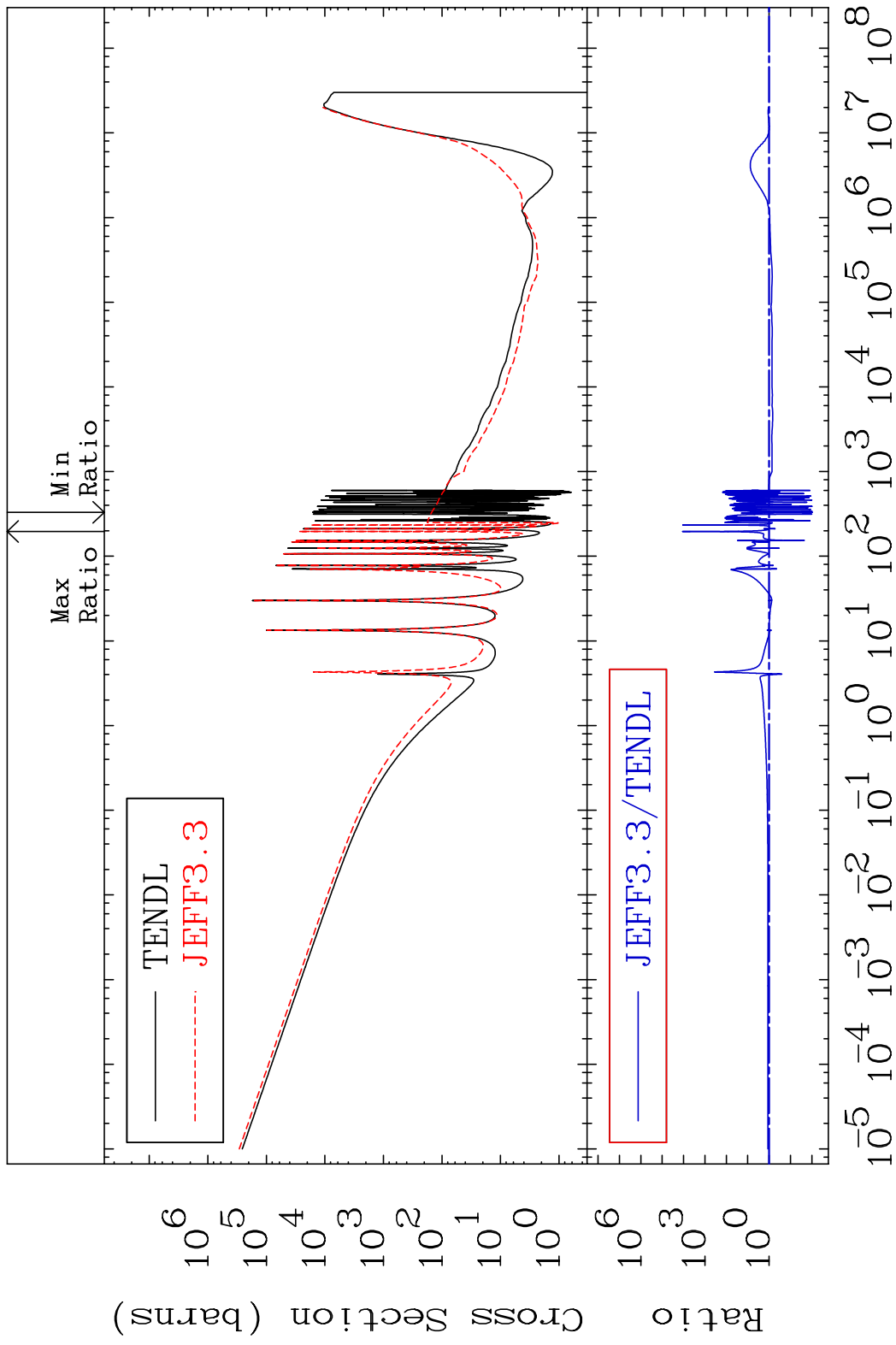
60 Incident Energy (eV) 72-Hf-174

MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -23.16 To 157.7 %

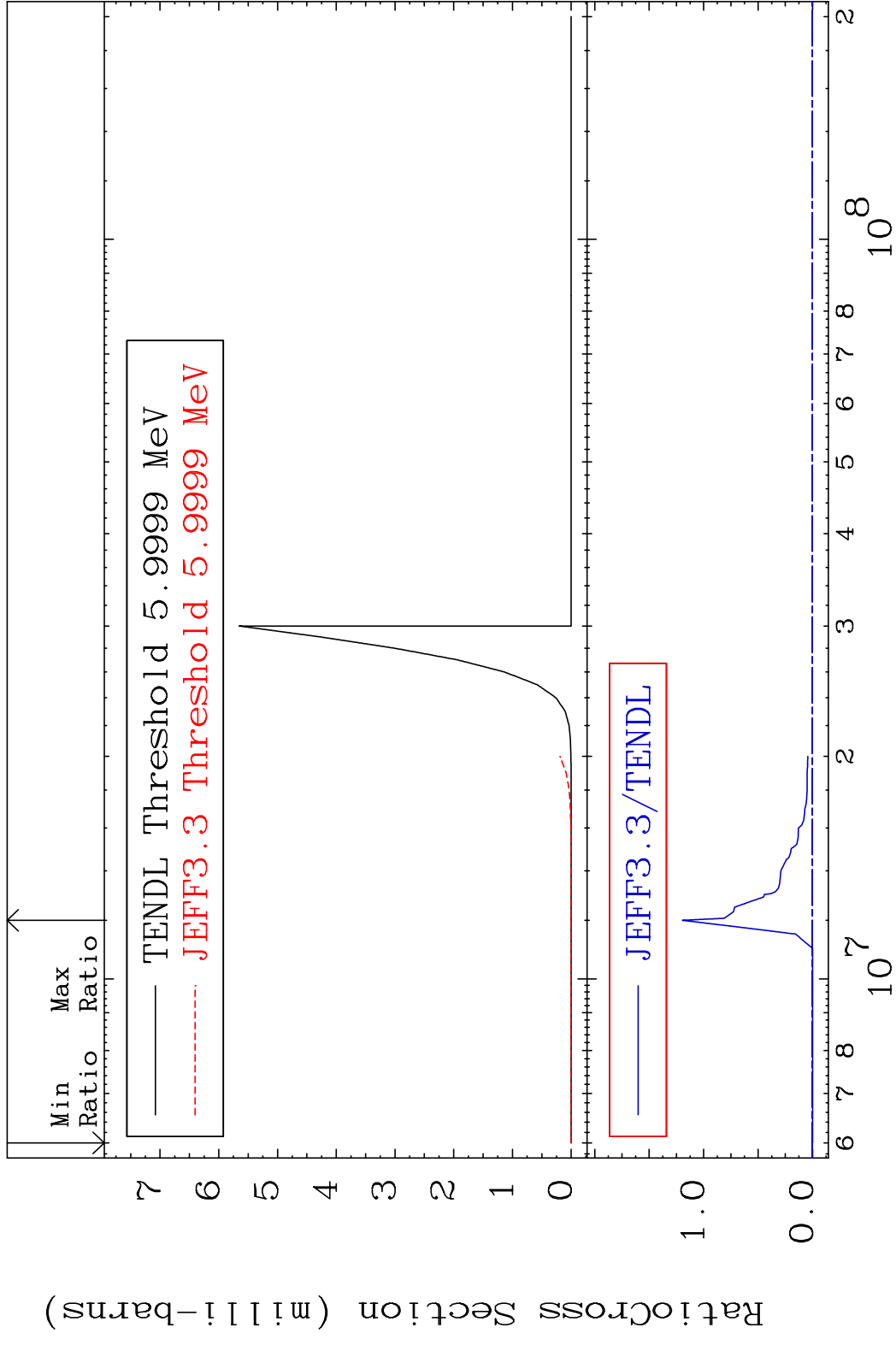


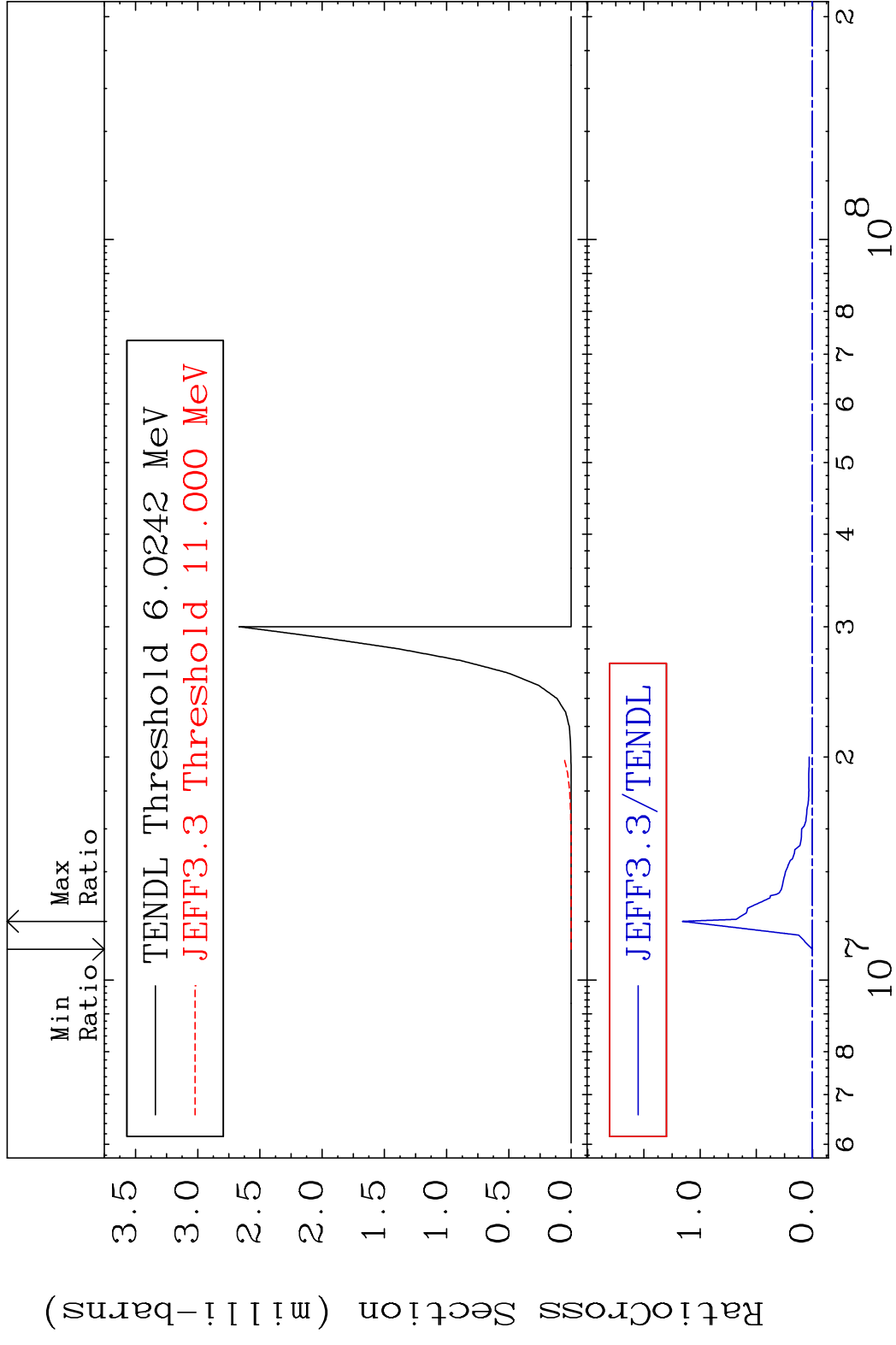
61 Incident Energy (eV) 72-Hf-174

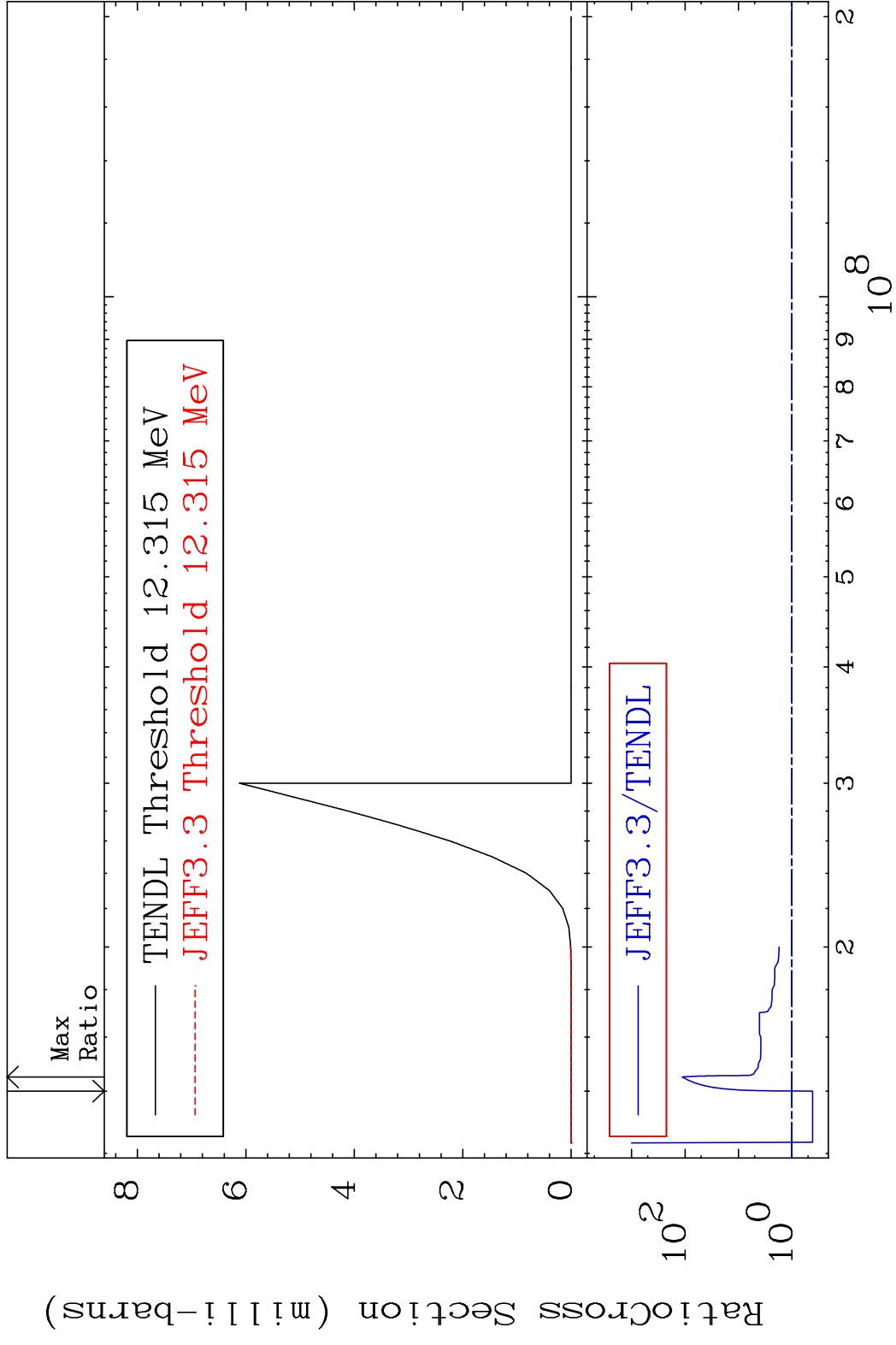
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -99.07 To 9999. %

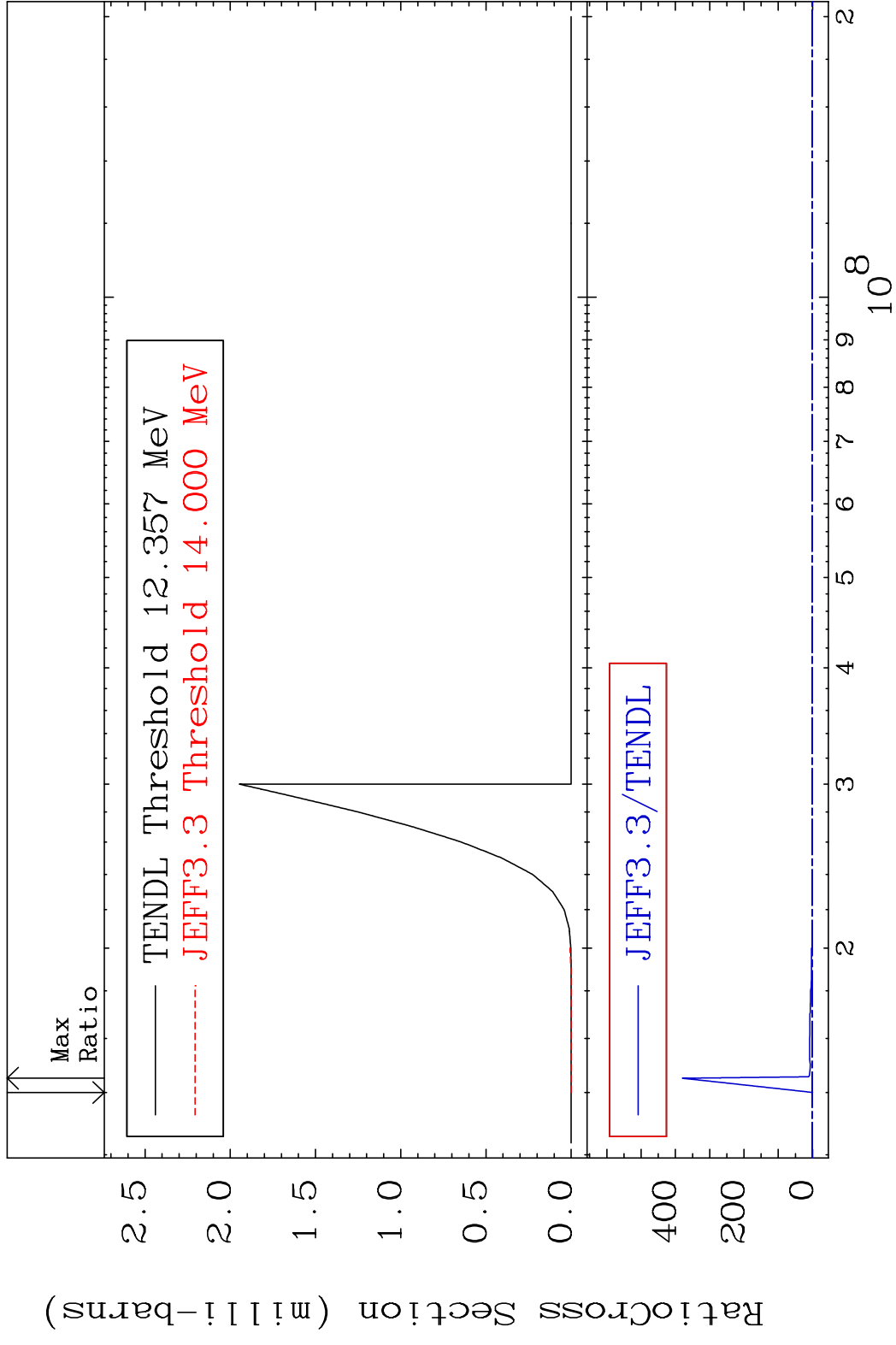


62 Incident Energy (eV) 72-Hf-174

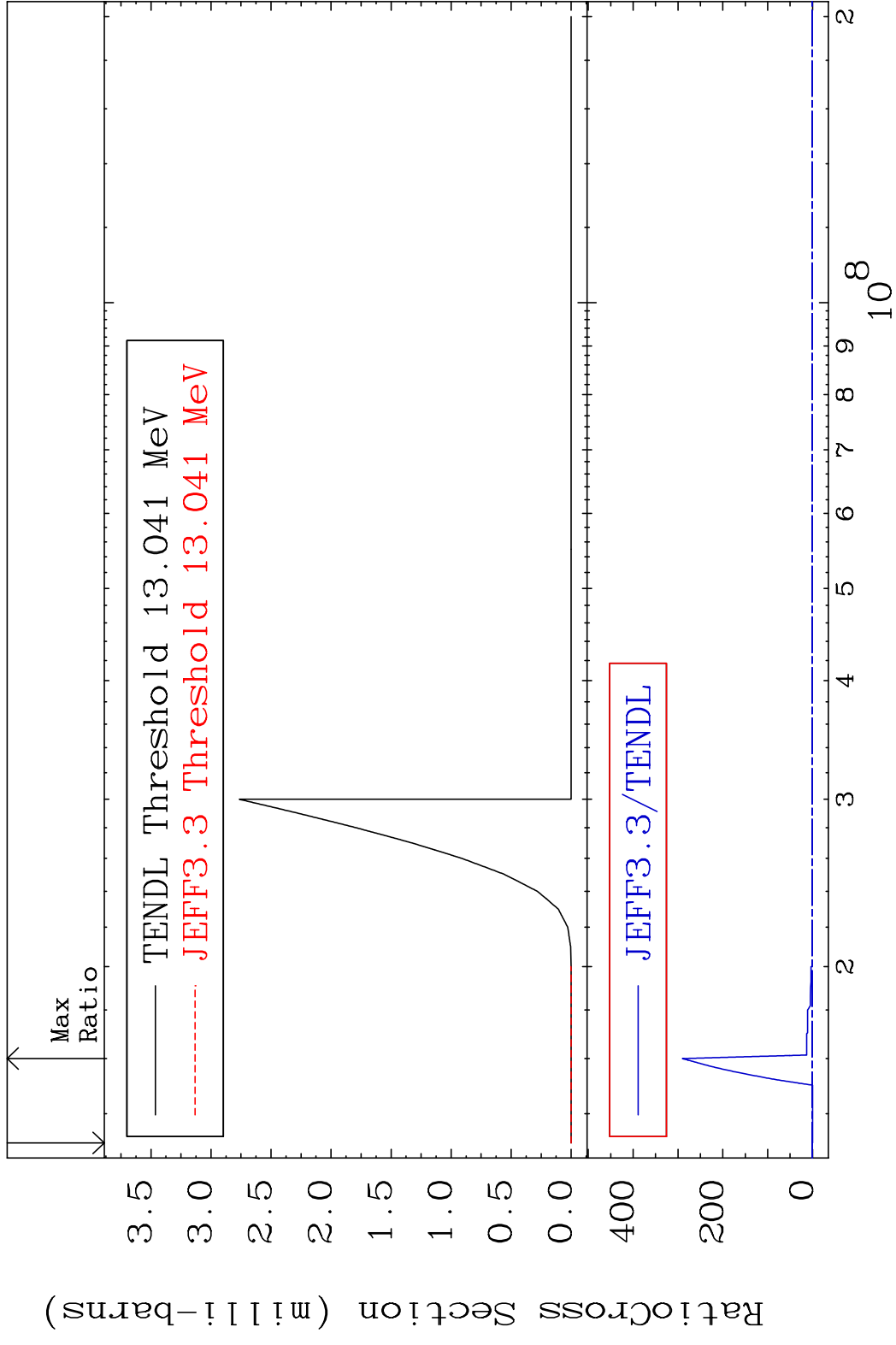


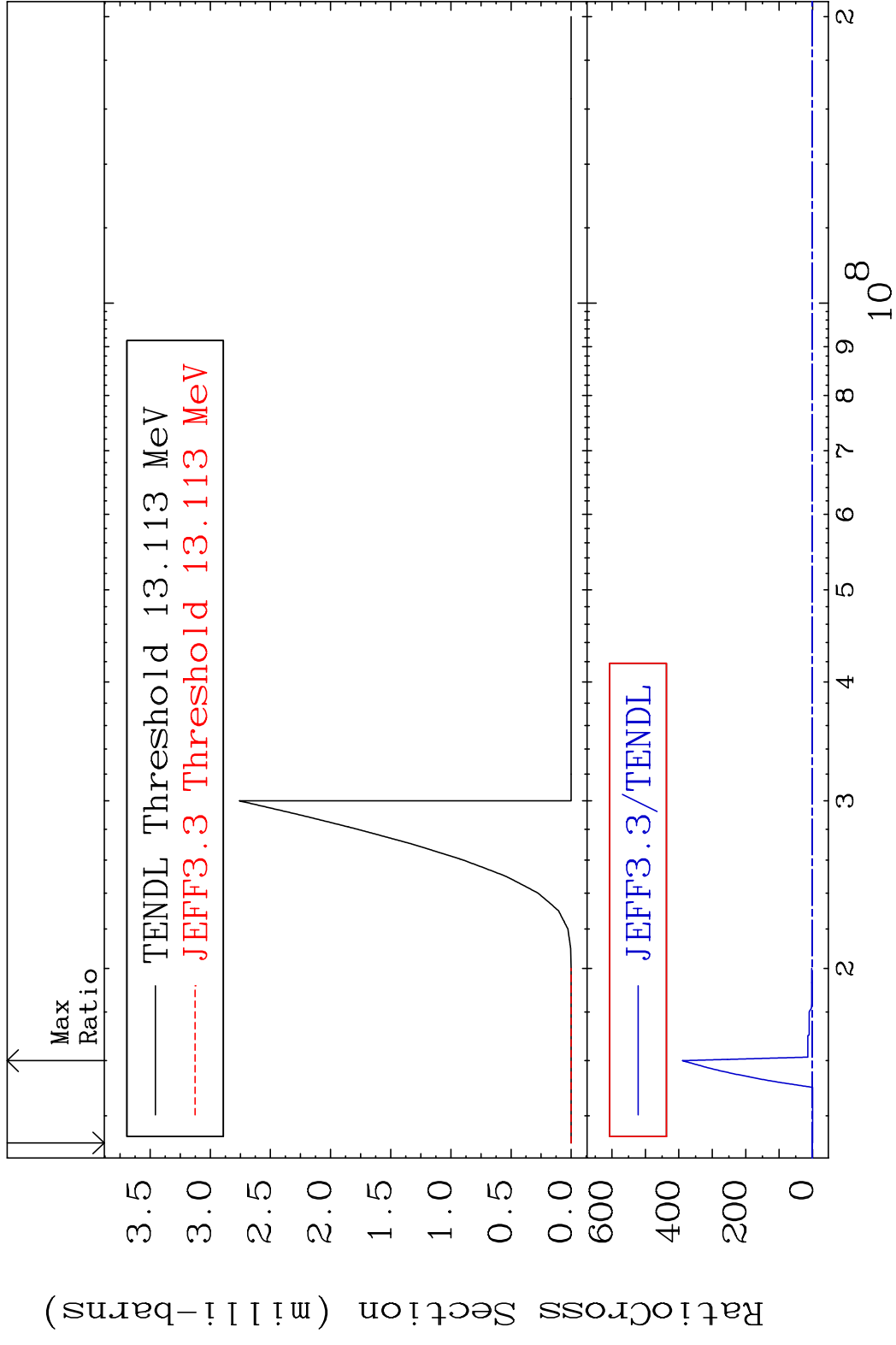


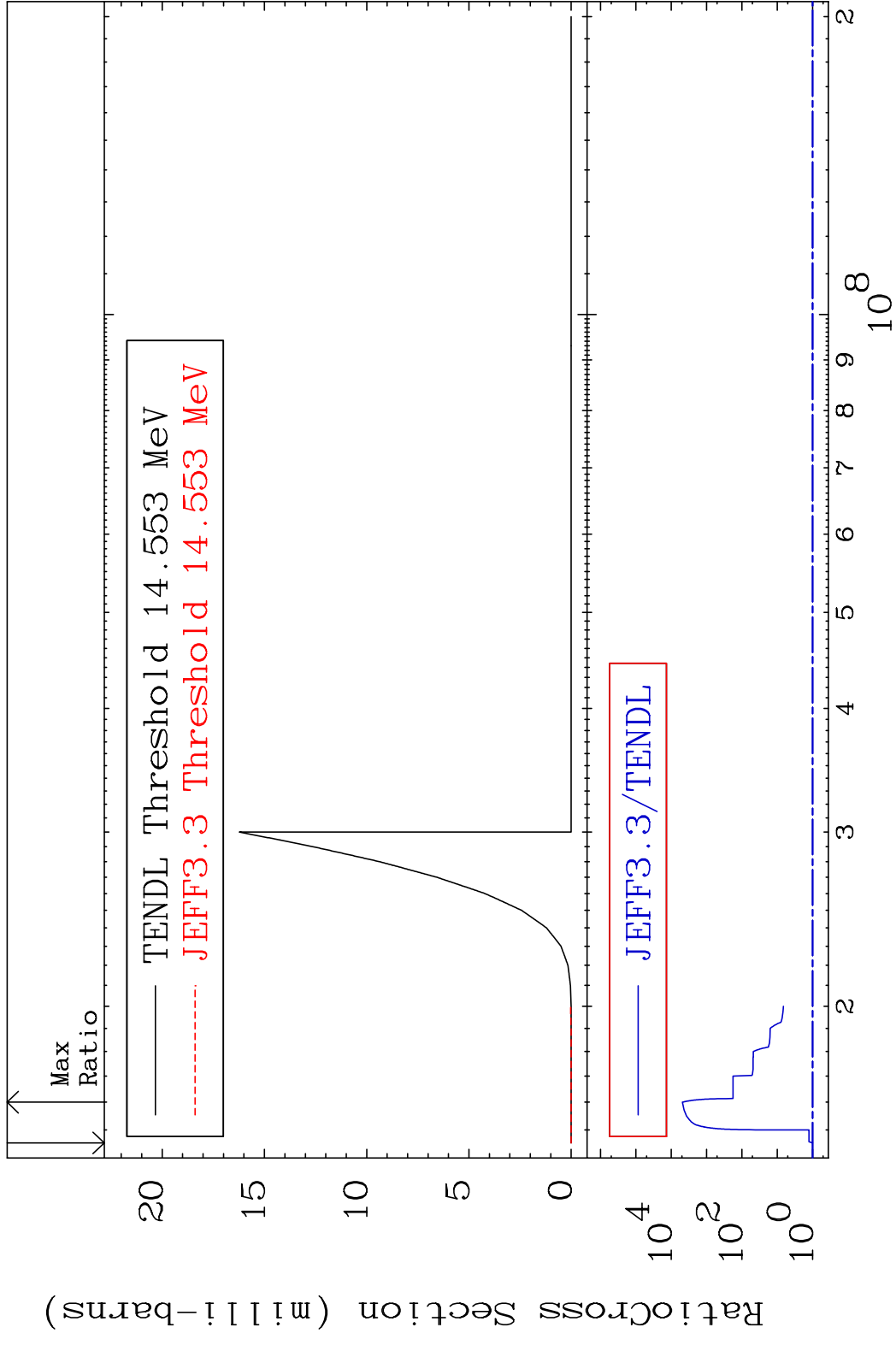


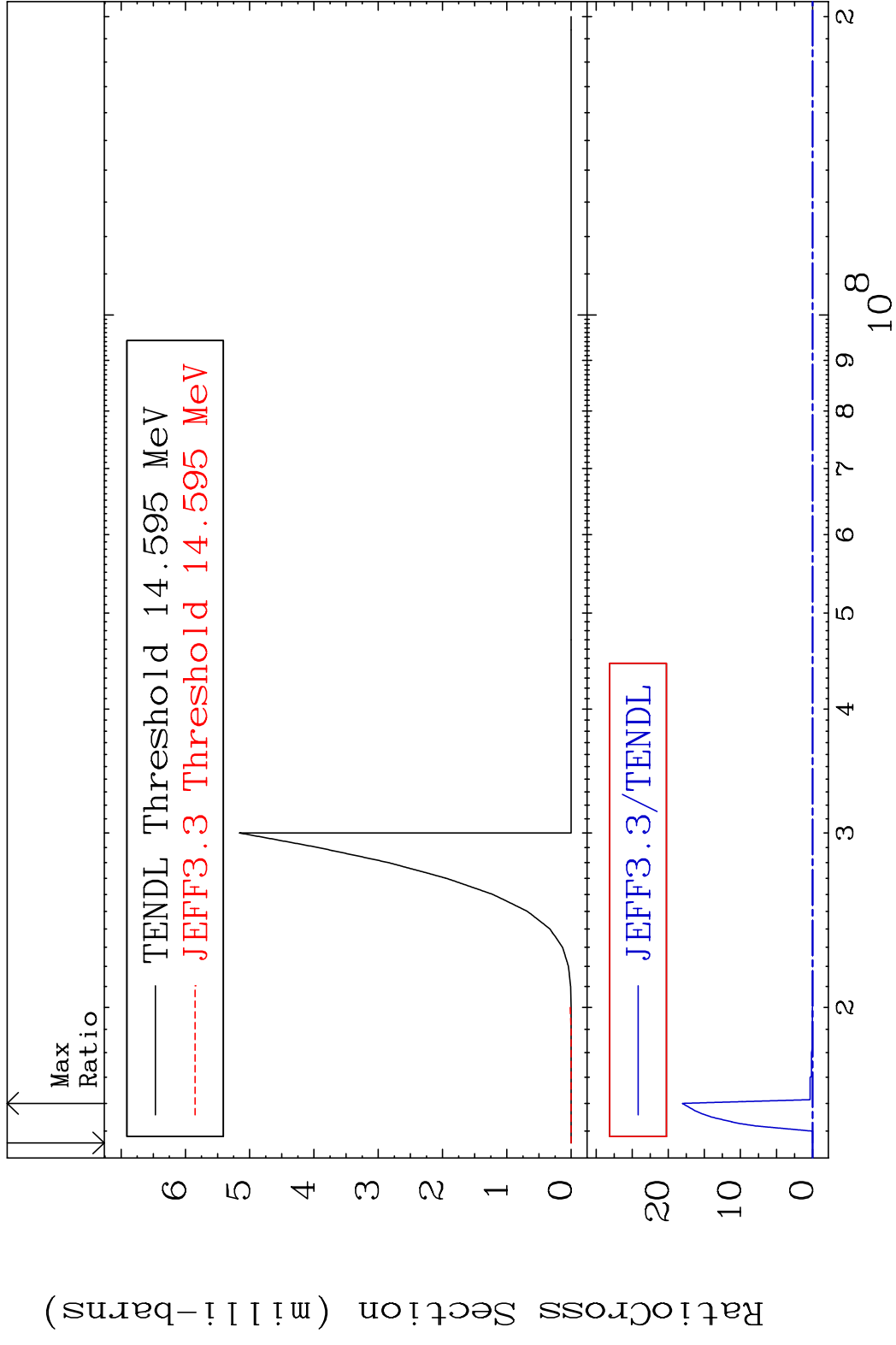


MAT 7225 (n, n') t:71-Lu-171g 72-Hf-174
 Radionuclide Production Cross Section Ratio









MAT 7225 (n, t):71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section 518.3 %

