

Program Complot
(Version 2021-1)

by

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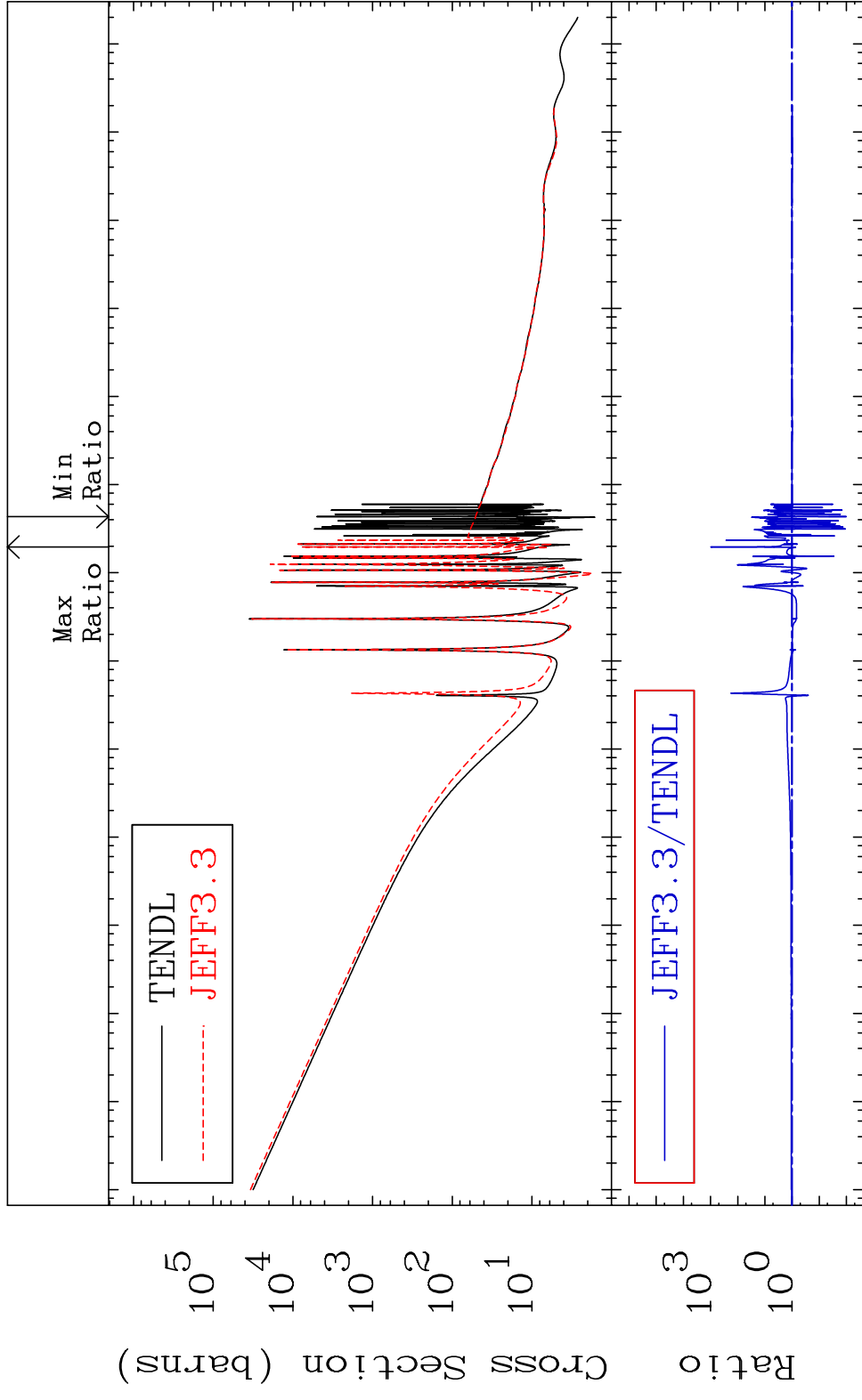
Press Mouse Button to Start

MAT 7225

72-Hf-174

Total

Cross Section -98.99 To 9999. %



1

Incident Energy (eV)

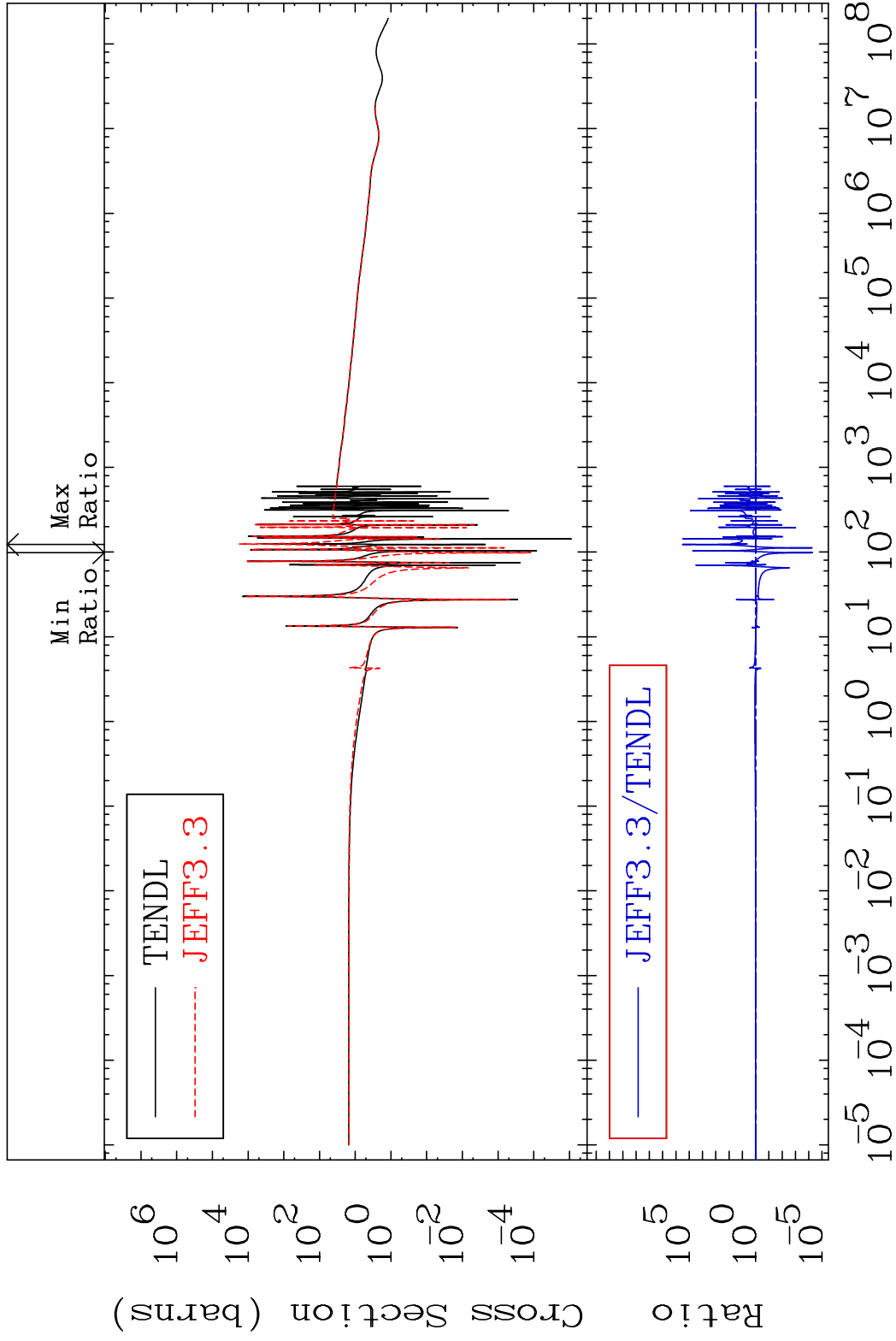
72-Hf-174

MAT 7225

Elastic

72-Hf-174

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

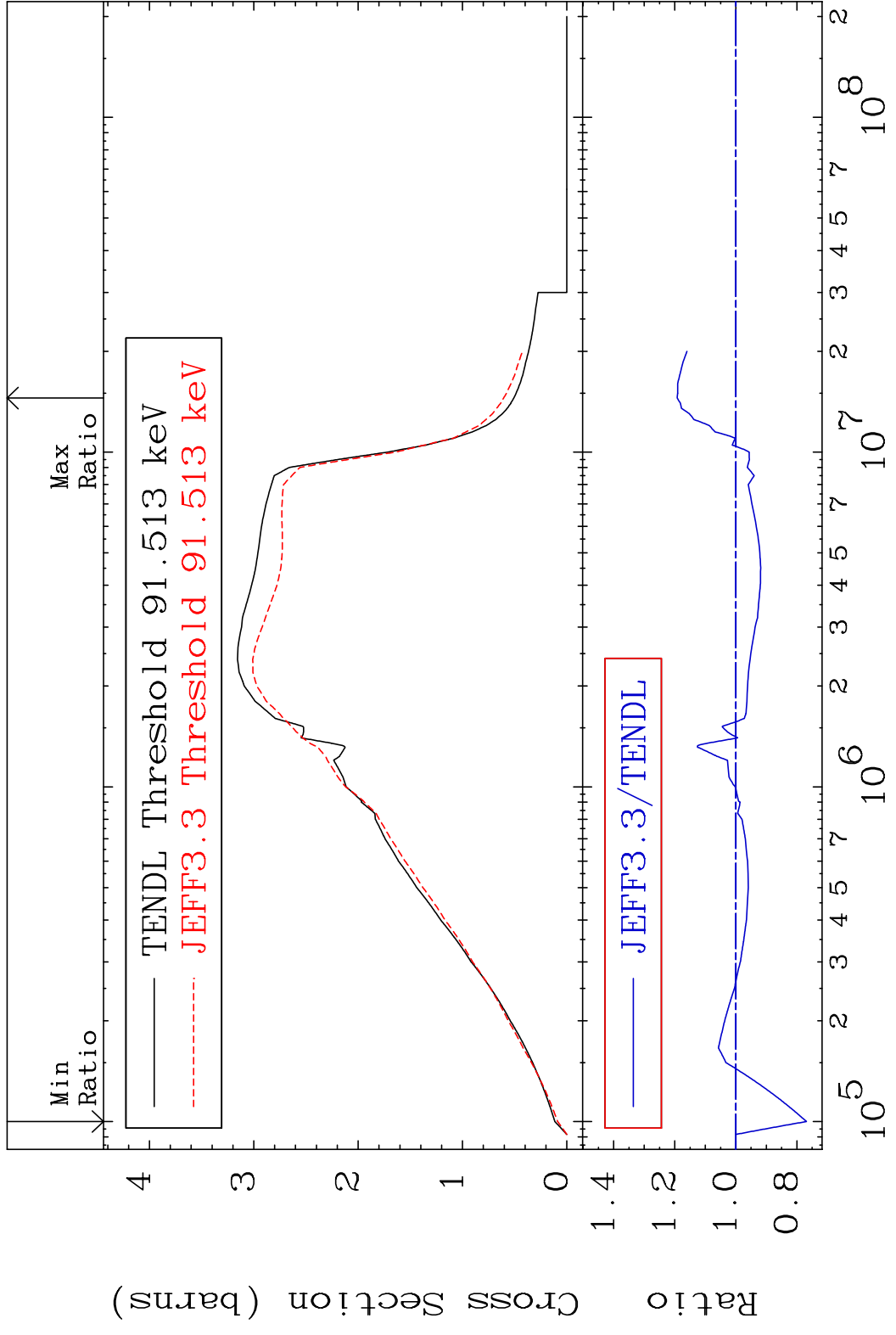
72-Hf-174

MAT 7225

Inelastic

72-Hf-174

Cross Section -23.10 To 19.20 %



3

Incident Energy (eV)

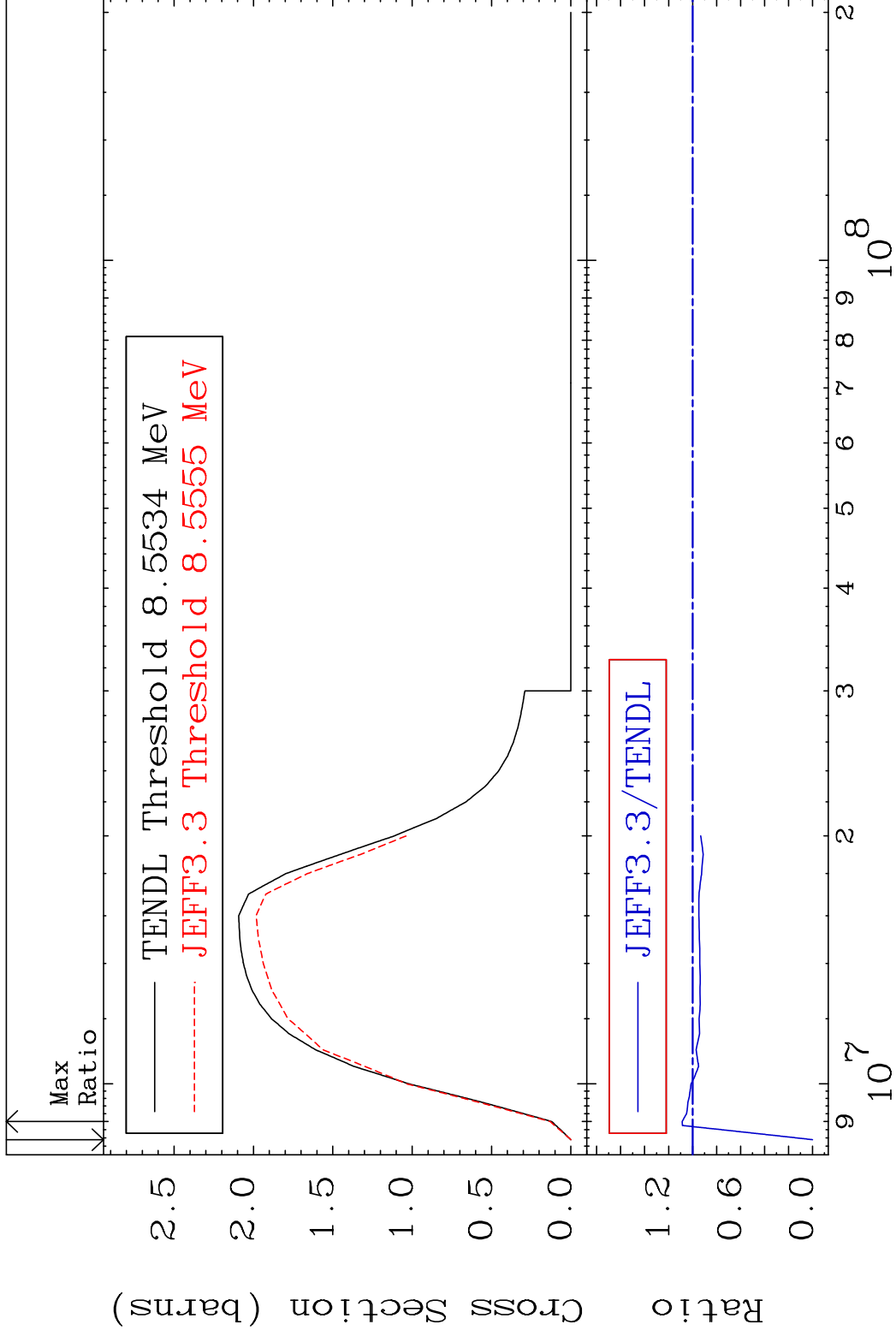
72-Hf-174

MAT 7225

(n,2n)

72-Hf-174

Cross Section -100.0 To 8.704 %



4

Incident Energy (eV)

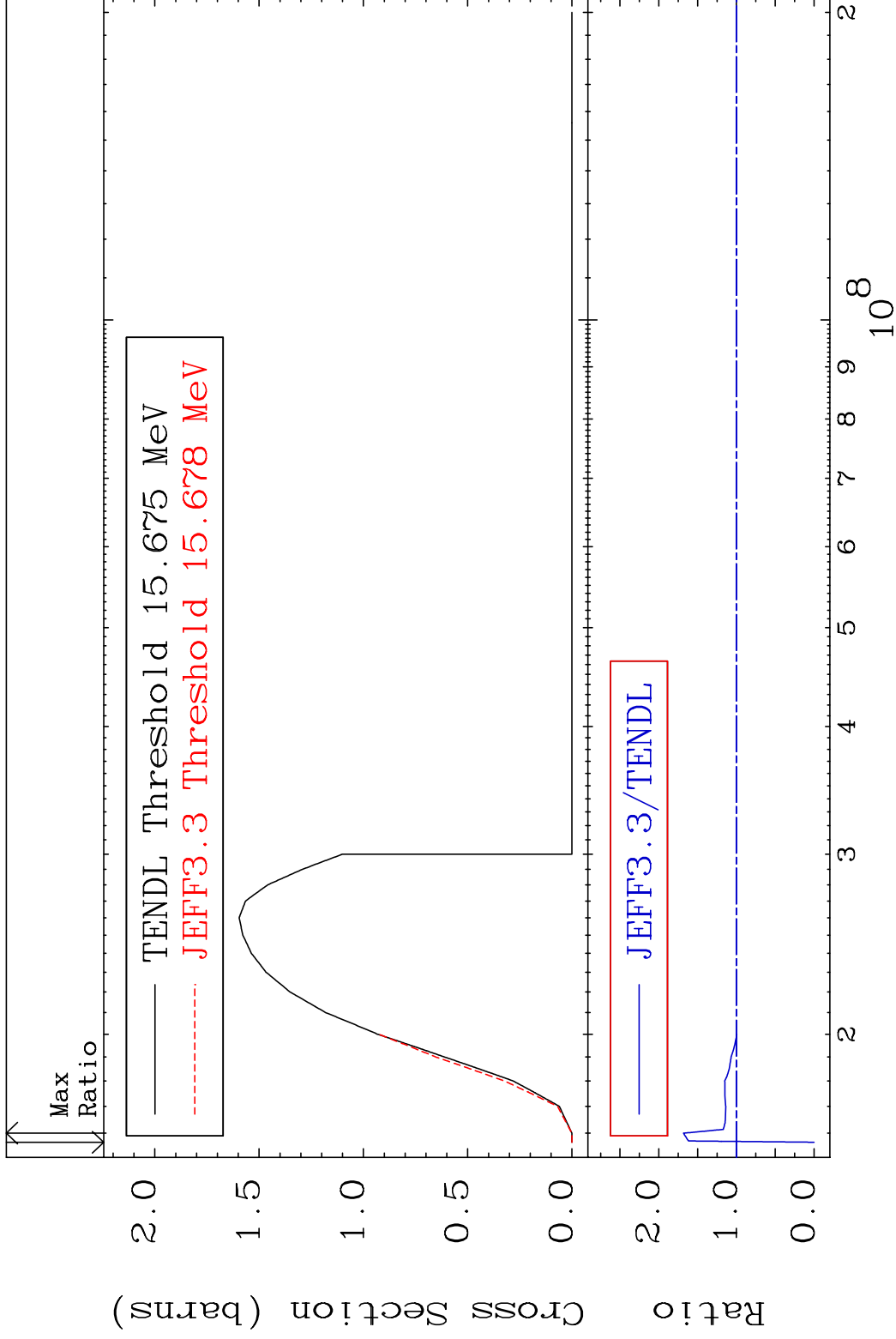
72-Hf-174

MAT 7225

(n,3n)

72-Hf-174

Cross Section -100.0 To 68.25 %



5

Incident Energy (eV)

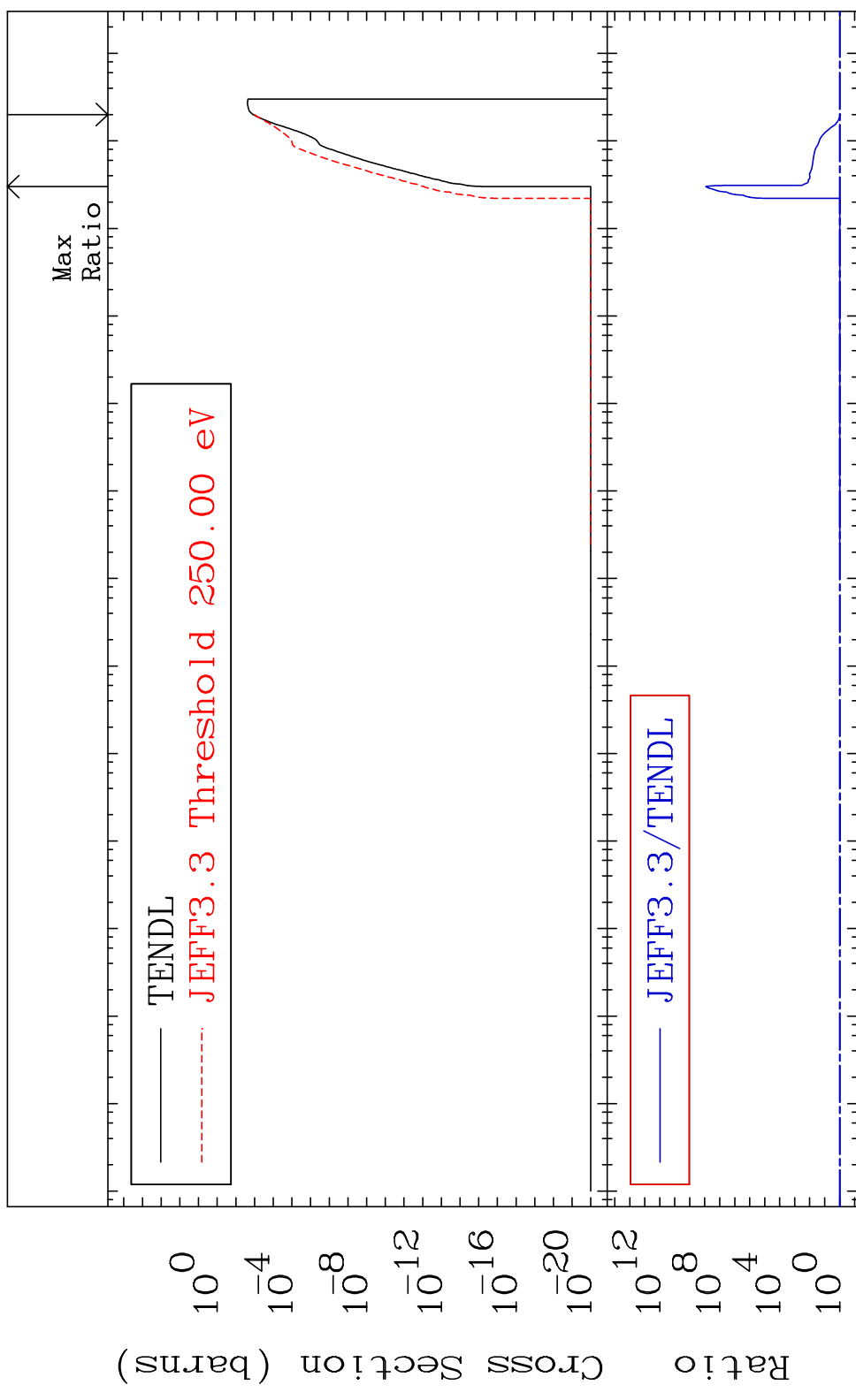
72-Hf-174

MAT 7225

(n, n') α

72-Hf-174

Cross Section -10.91 To 9999. %

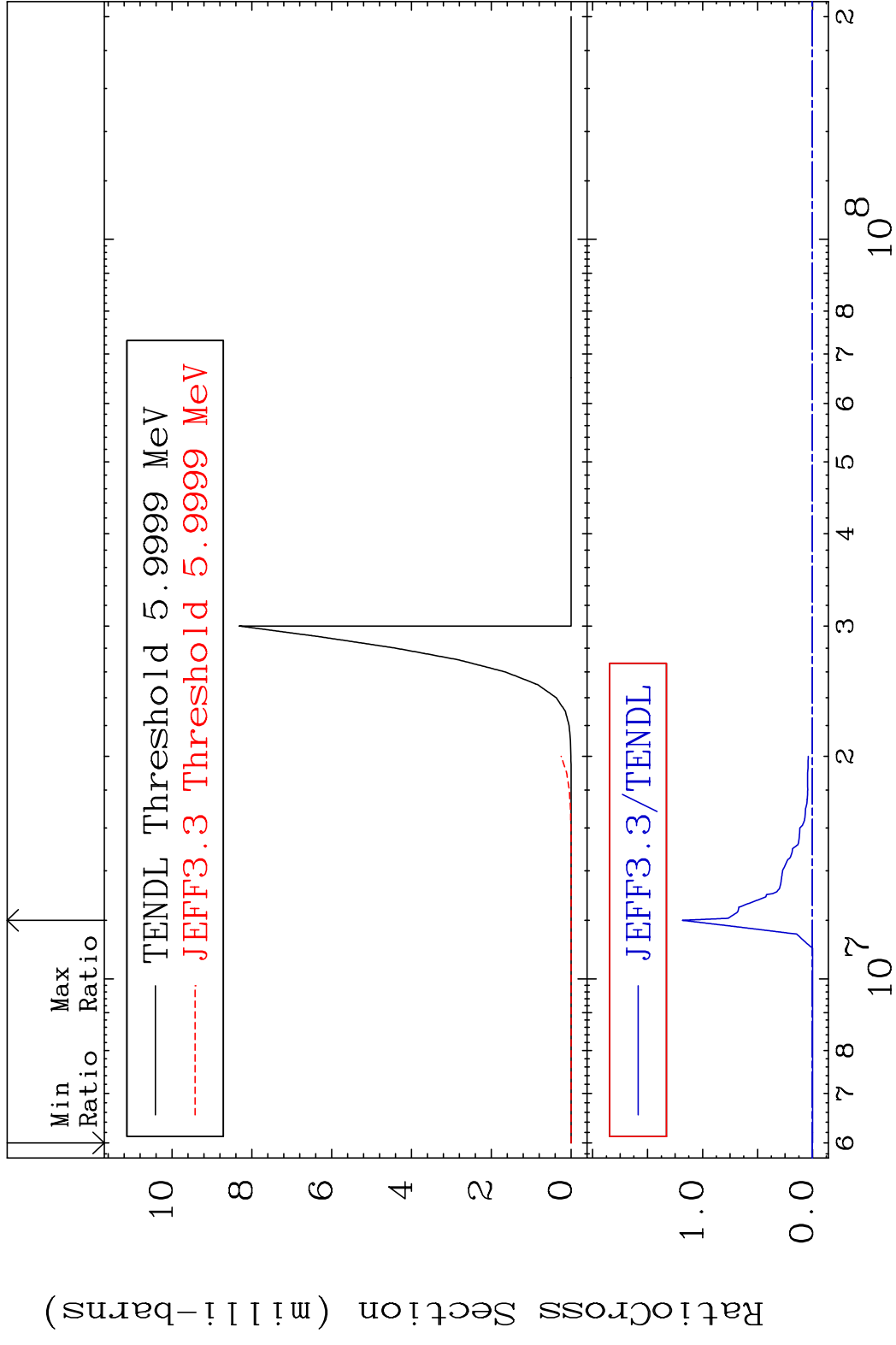


10⁰ 10⁻⁴ 10⁻⁸ 10⁻¹² 10⁻¹⁶ 10⁻²⁰ 10¹² 10⁸ 10⁴ 10⁰ 10⁻⁵ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 7225

(n,2n) α 72-Hf-174

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

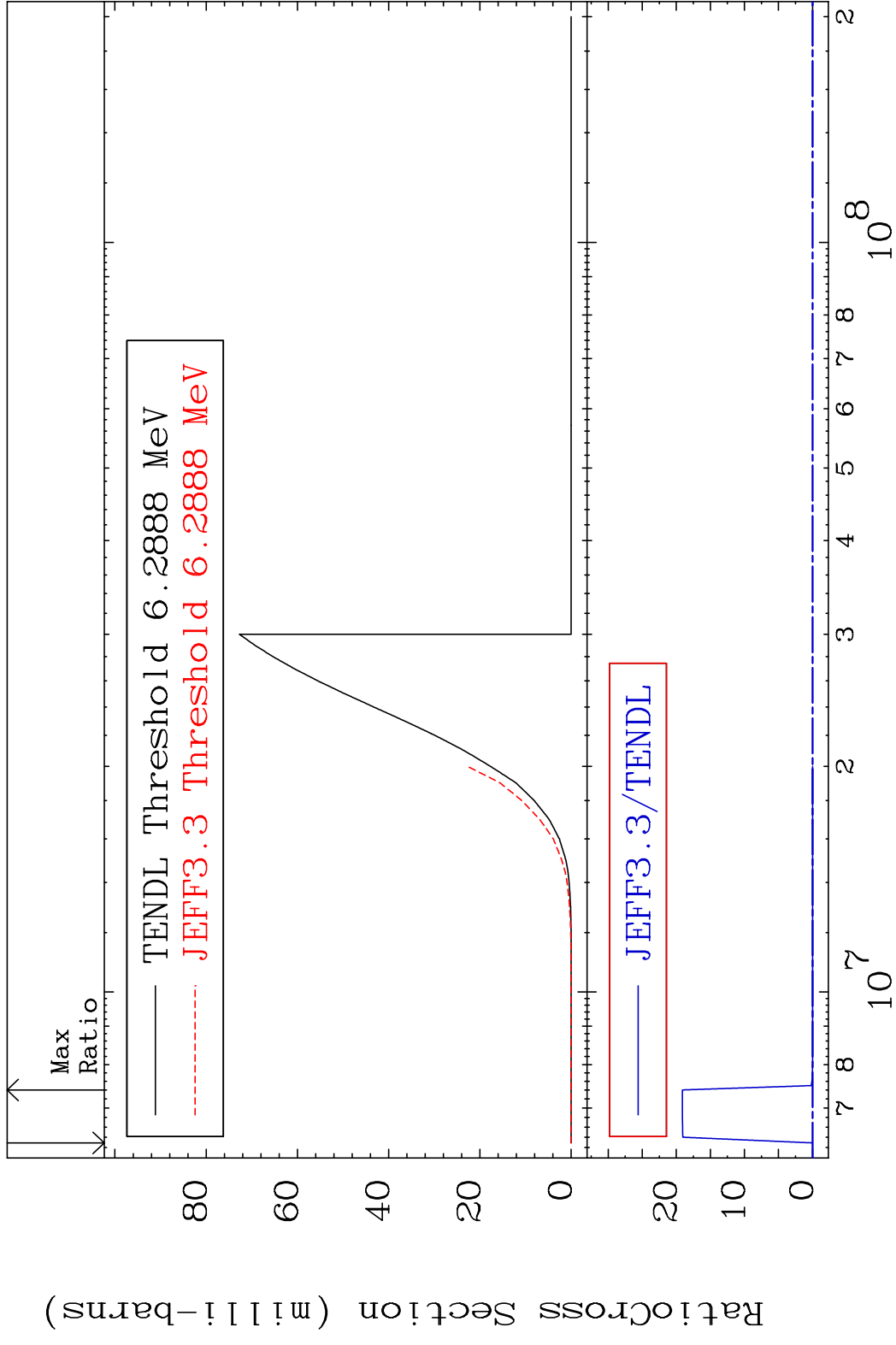
72-Hf-174

MAT 7225

72-Hf-174

(n, n') p

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

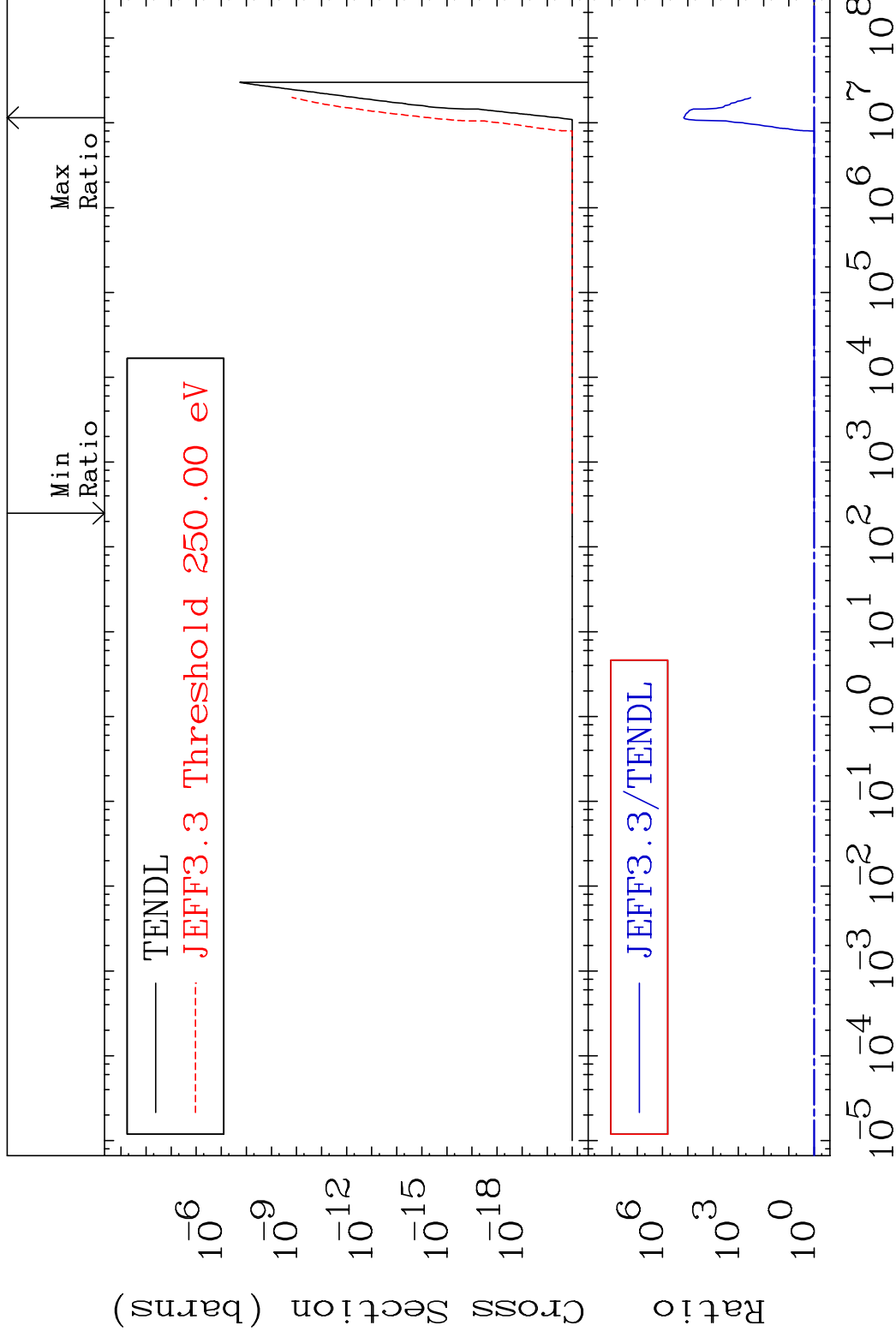
72-Hf-174

MAT 7225

(n, n') 2α

72-Hf-174

Cross Section 0.000 To 9999. %

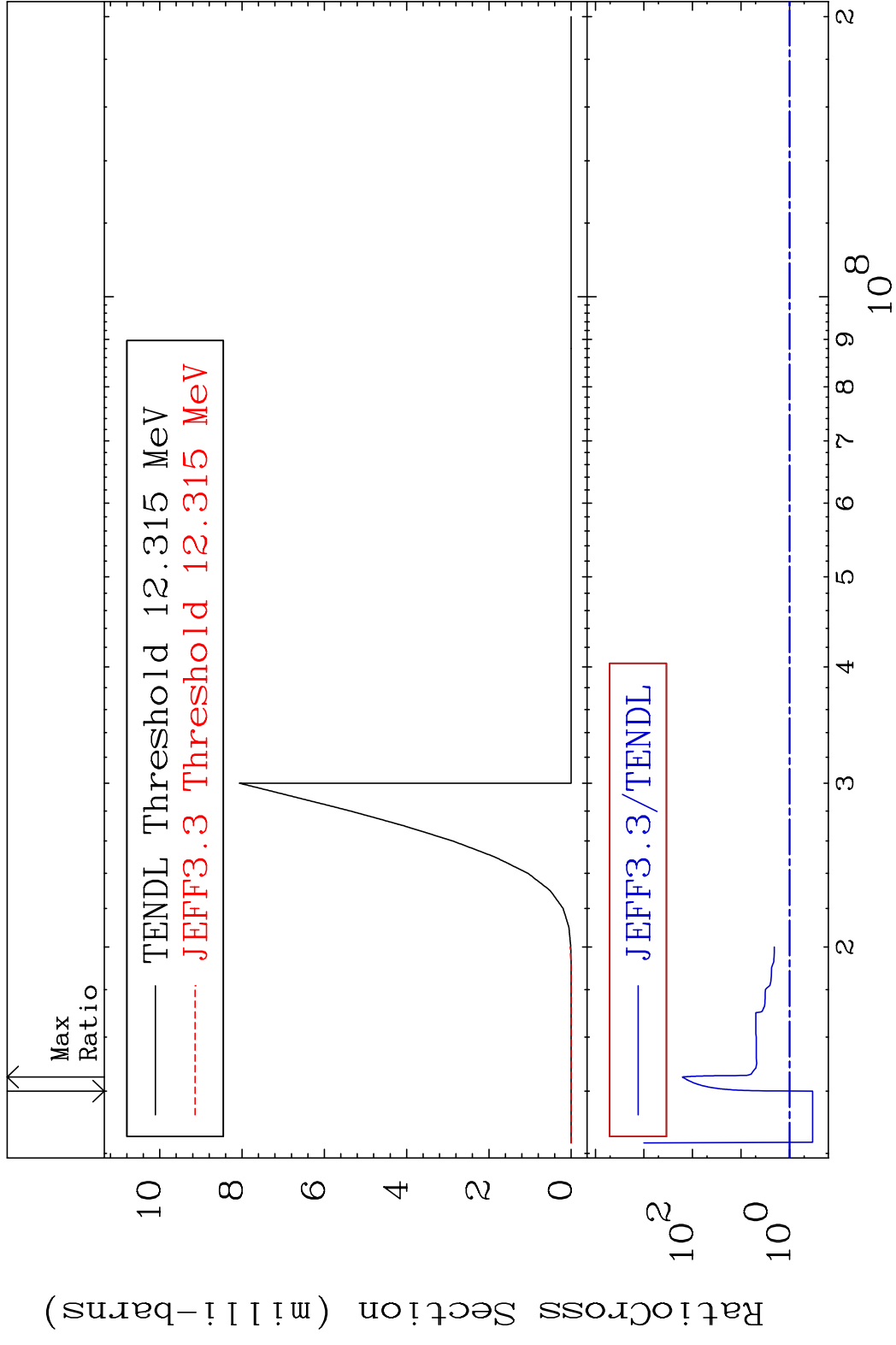


MAT 7225

(n, n') d

72-Hf-174

Cross Section -66.41 To 9999. %



10

Incident Energy (eV)

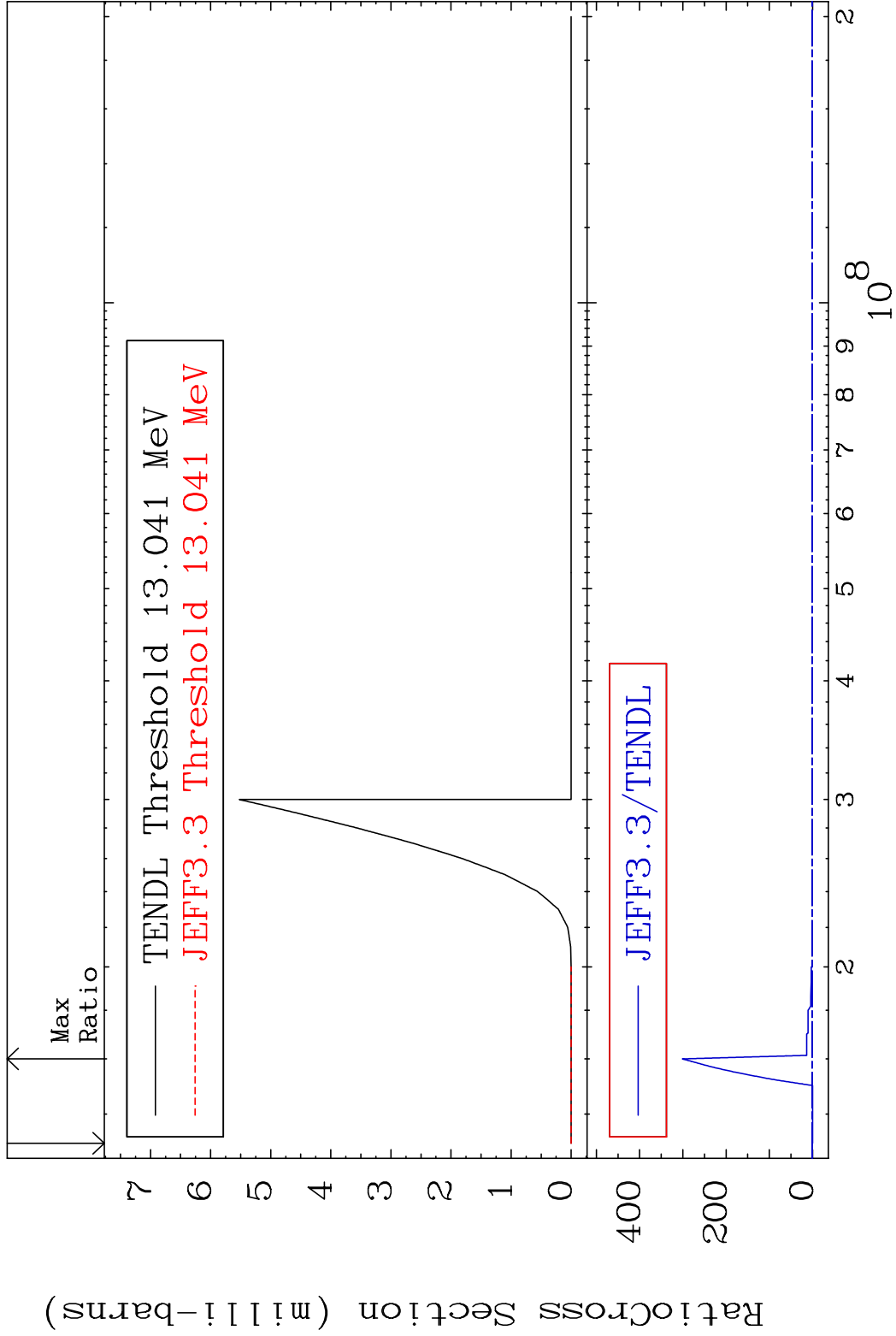
72-Hf-174

MAT 7225

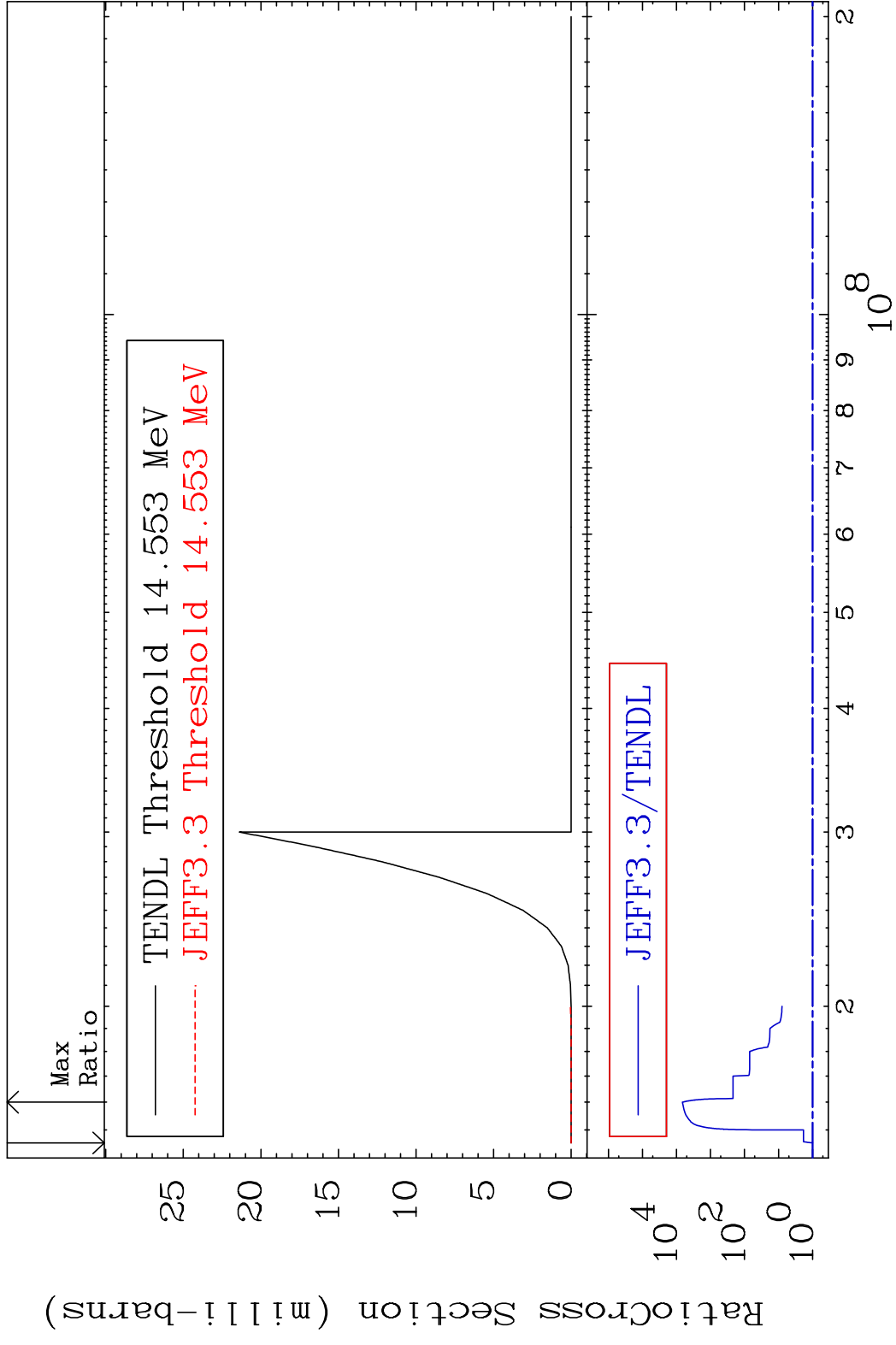
(n, n') t

72-Hf-174

Cross Section -100.0 To 9999. %



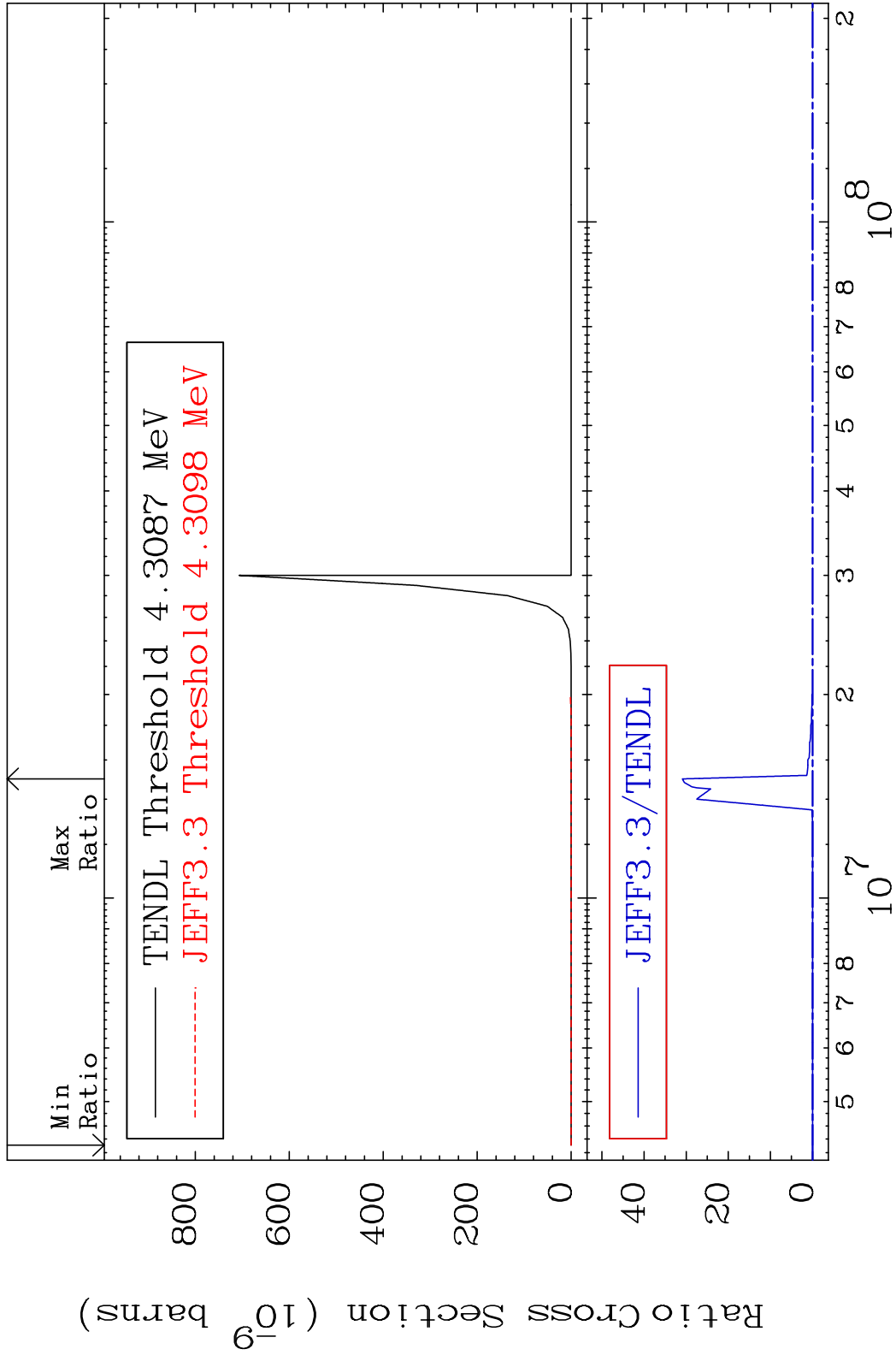
MAT 7225 (n,2n) p 72-Hf-174
 Cross Section 0.000 To 9999. %



MAT 7225

(n,n') p α 72-Hf-174

Cross Section -100.0 To 9999. %

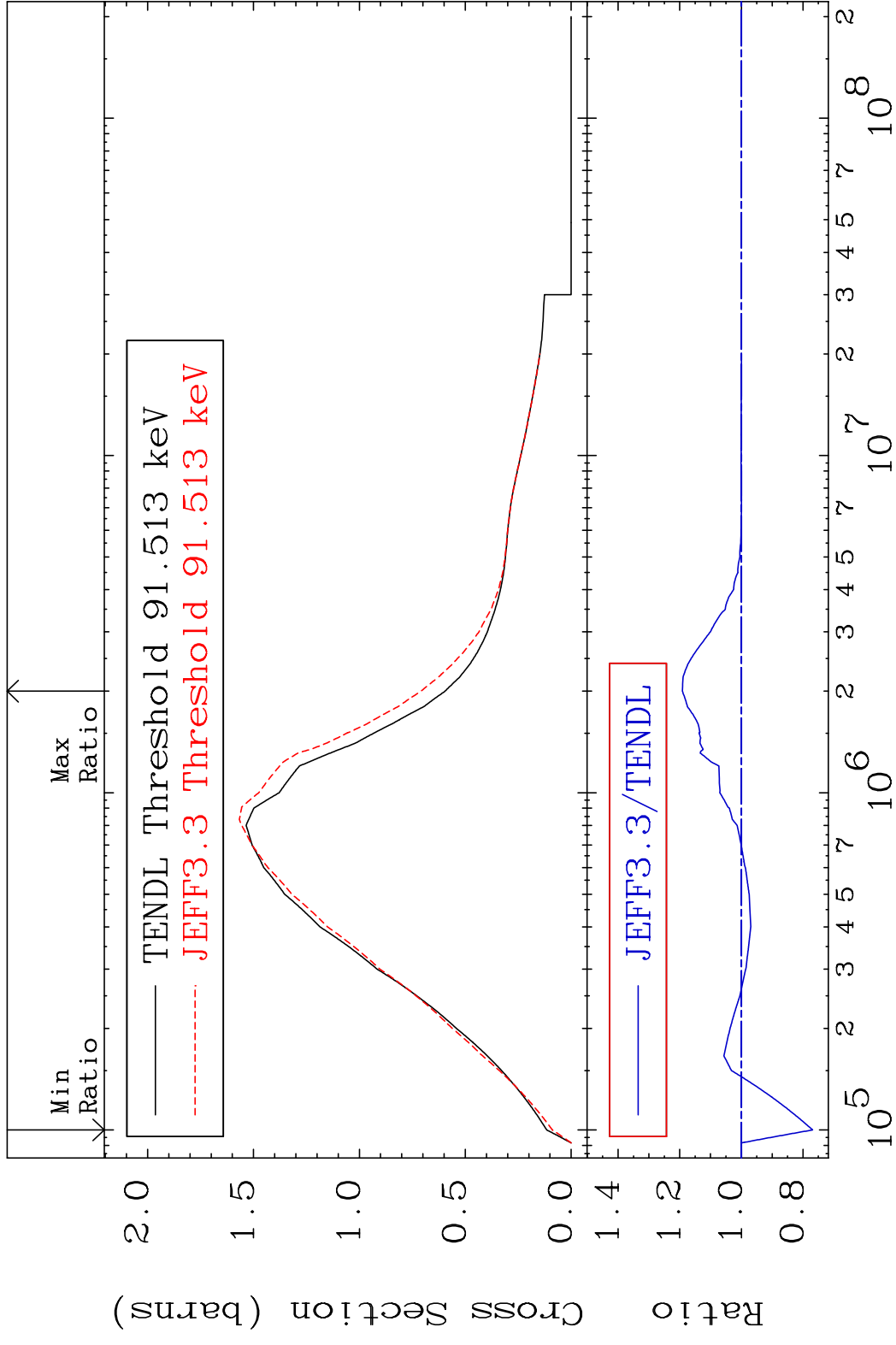


MAT 7225

MT= 51 (n, n') Level

72-Hf-174

Cross Section -23.10 To 19.14 %

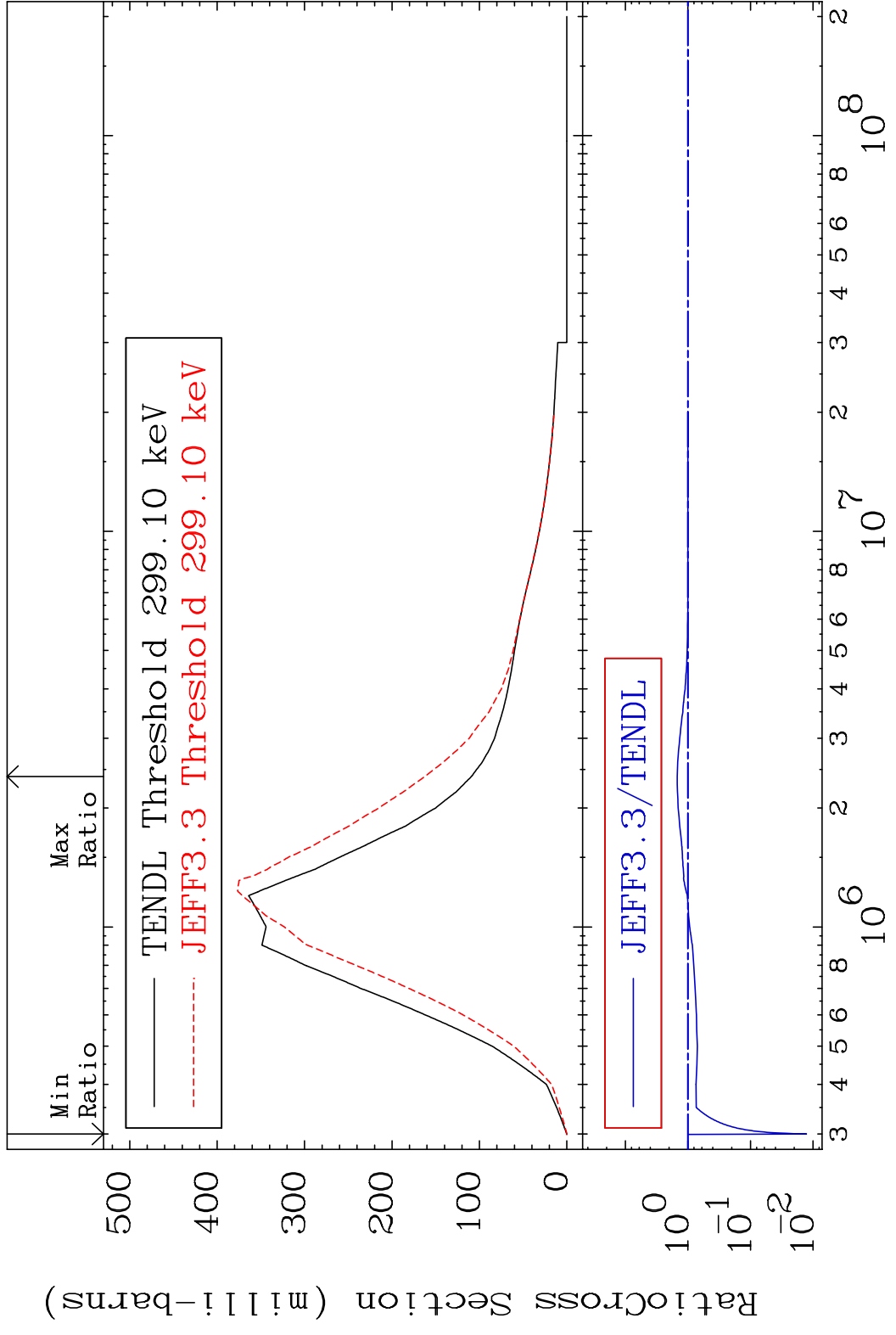


14

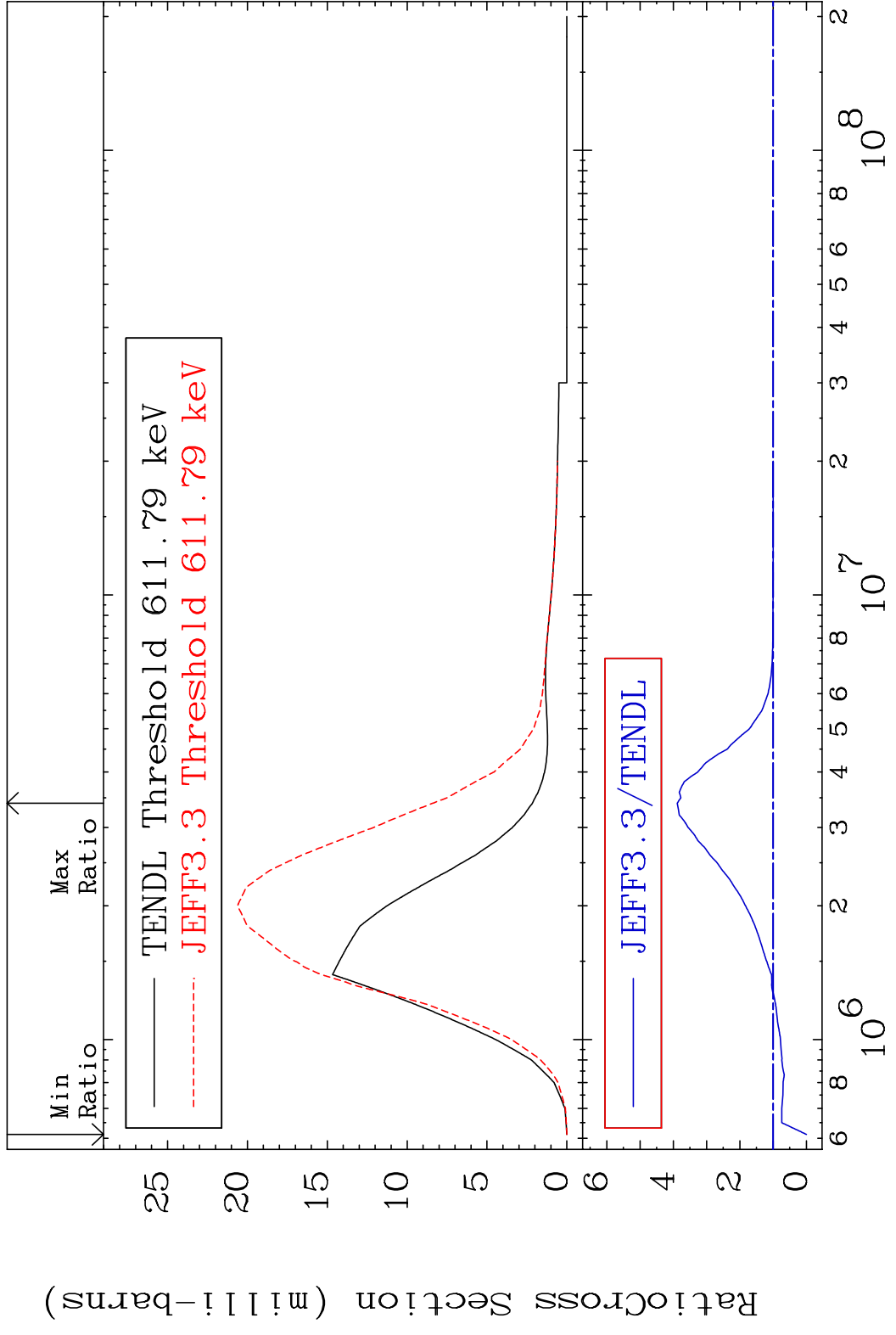
Incident Energy (eV)

72-Hf-174

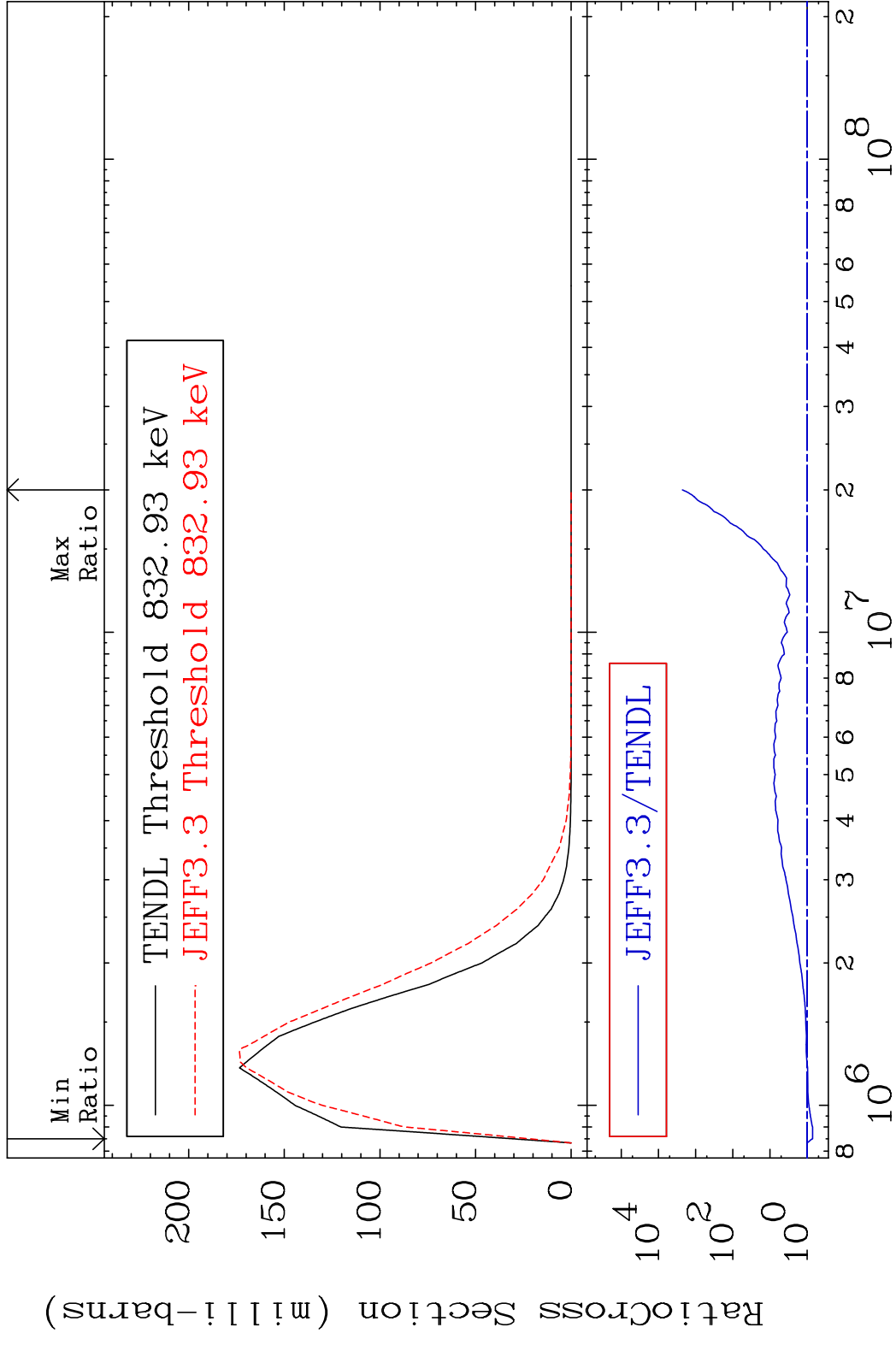
MAT 7225 MT= 52 (n,n') Level 72-Hf-174
 Cross Section -98.72 To 48.71 %



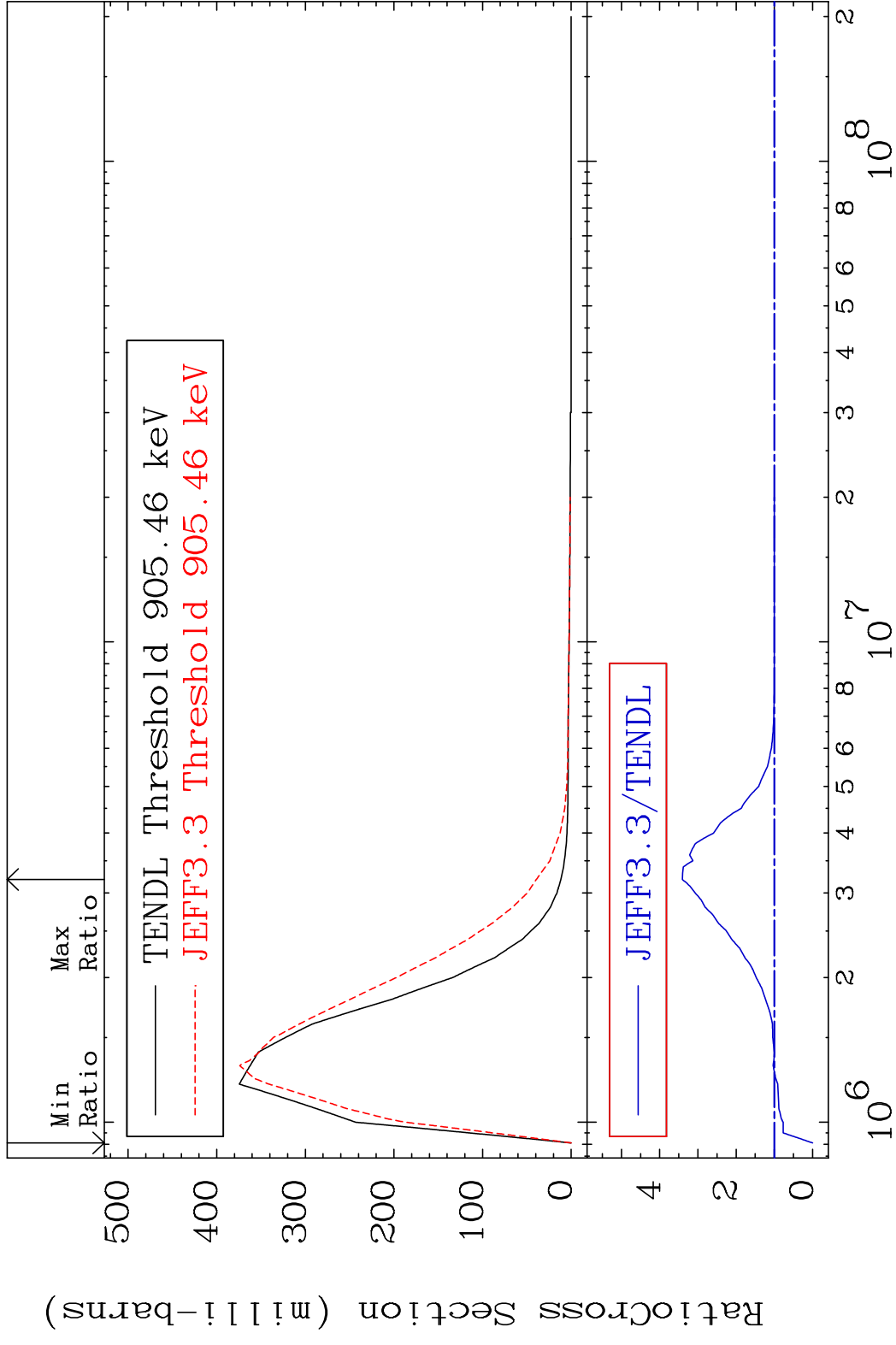
MAT 7225 MT= 53 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 288.4 %



MAT 7225 MT= 54 (n, n') Level 72-Hf-174
 Cross Section -28.07 To 9999. %



MAT 7225 MT= 55 (n,n') Level 72-Hf-174
 Cross Section -100.0 To 240.6 %

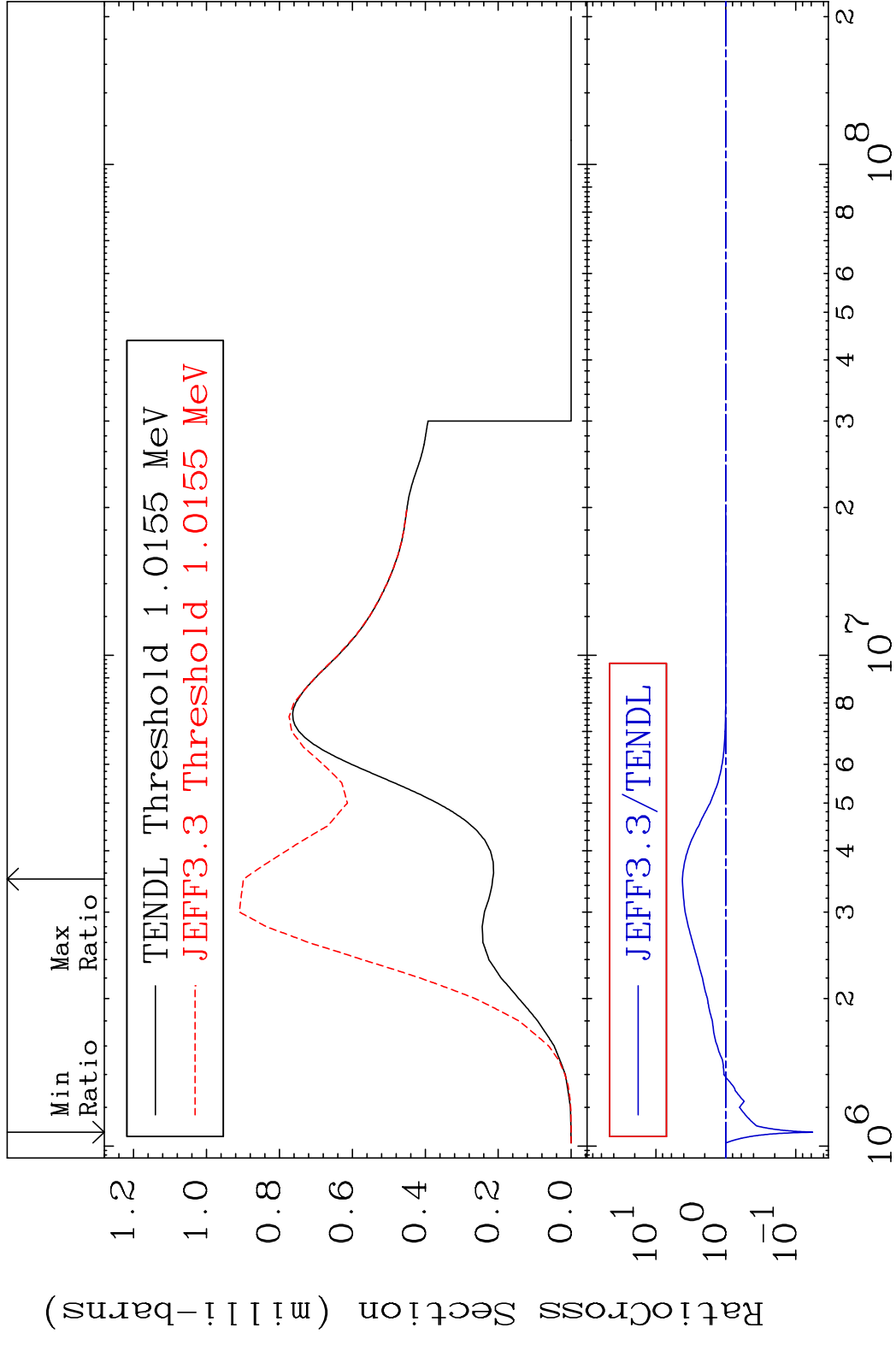


MAT 7225

MT= 56 (n, n') Level

72-Hf-174

Cross Section -94.25 To 317.9 %

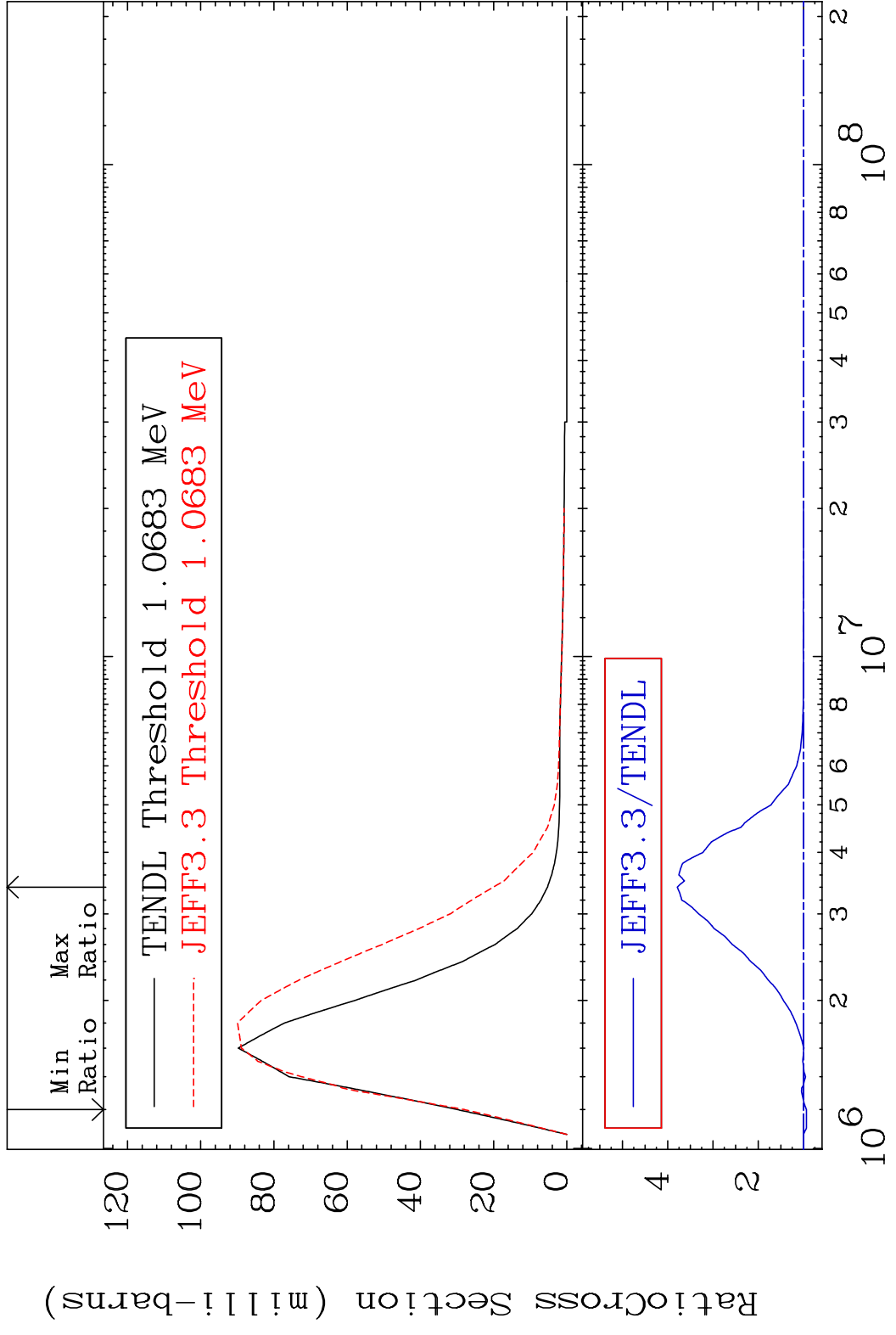


19

Incident Energy (eV)

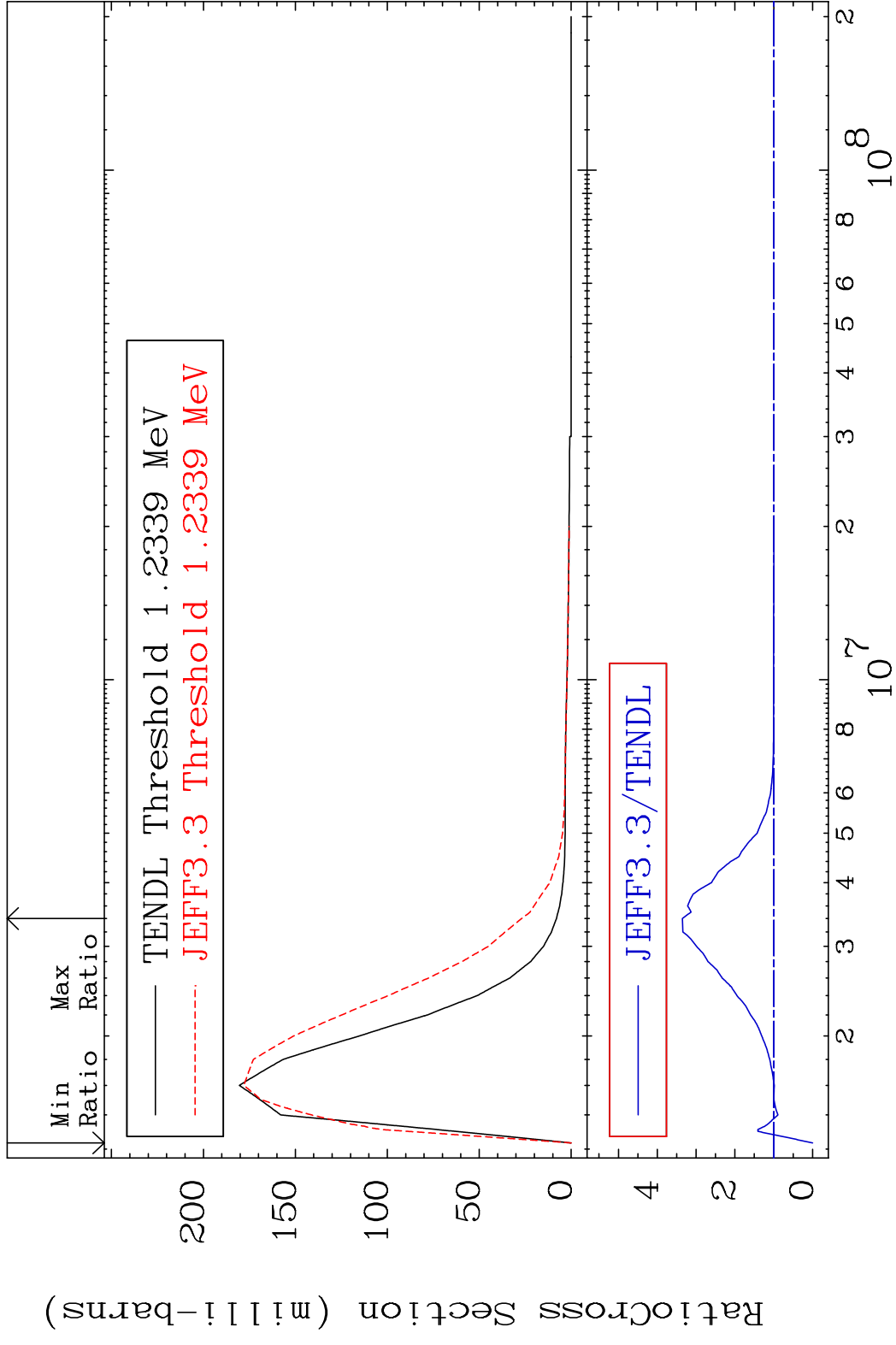
72-Hf-174

MAT 7225 MT= 57 (n,n') Level 72-Hf-174
 Cross Section -6.544 To 278.9 %

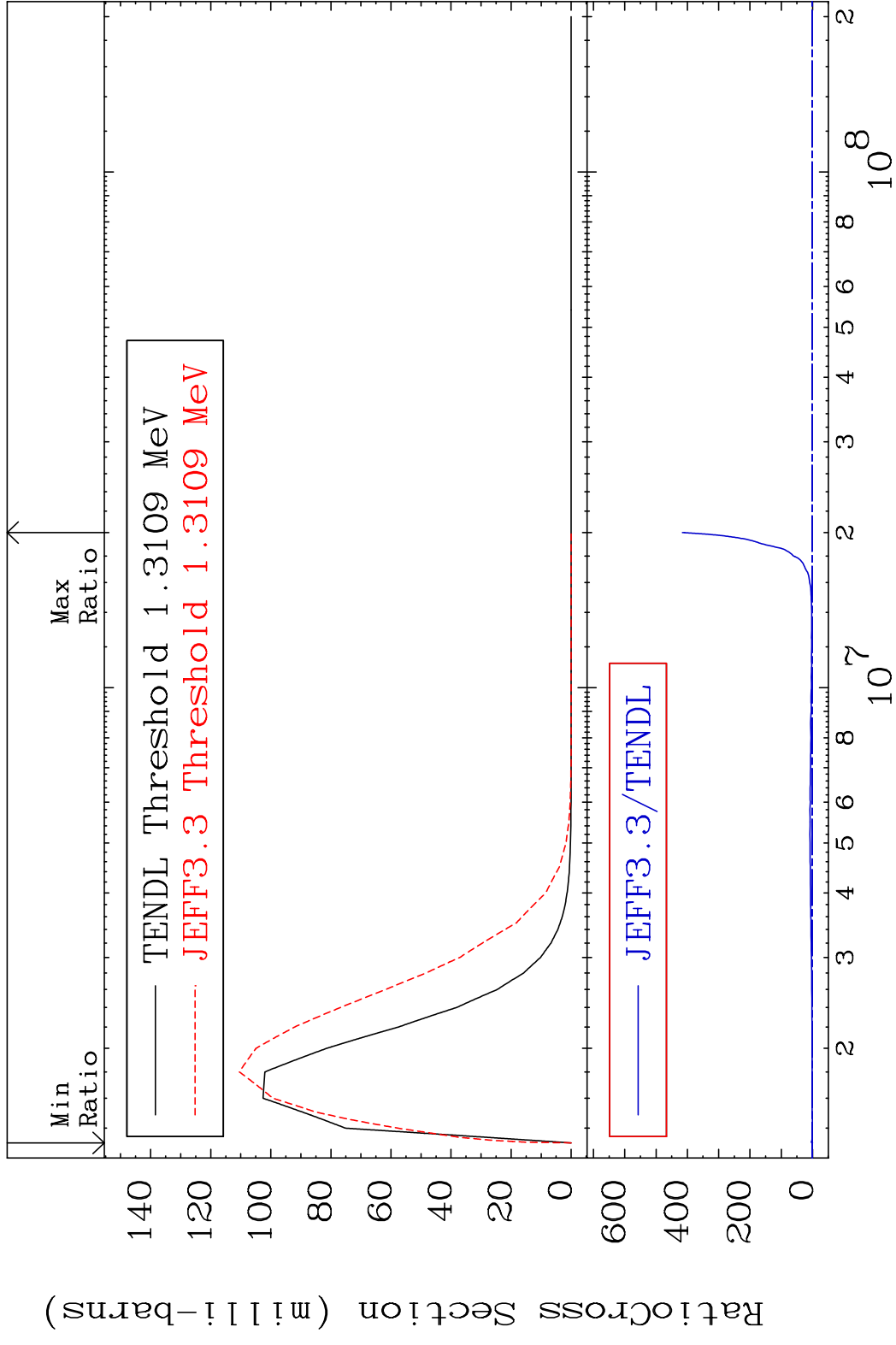


20 Incident Energy (eV) 72-Hf-174

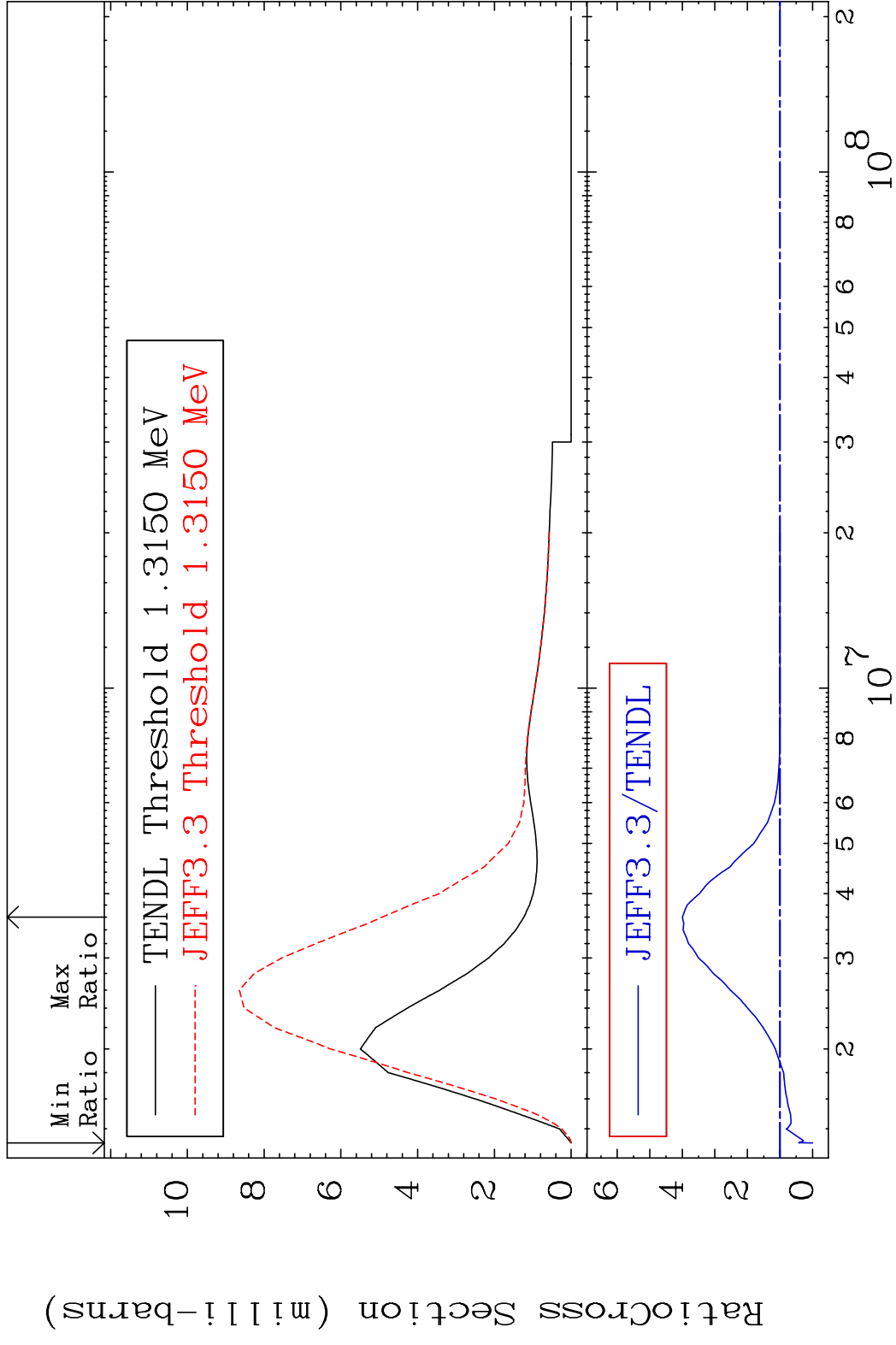
MAT 7225 MT= 58 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 235.4 %



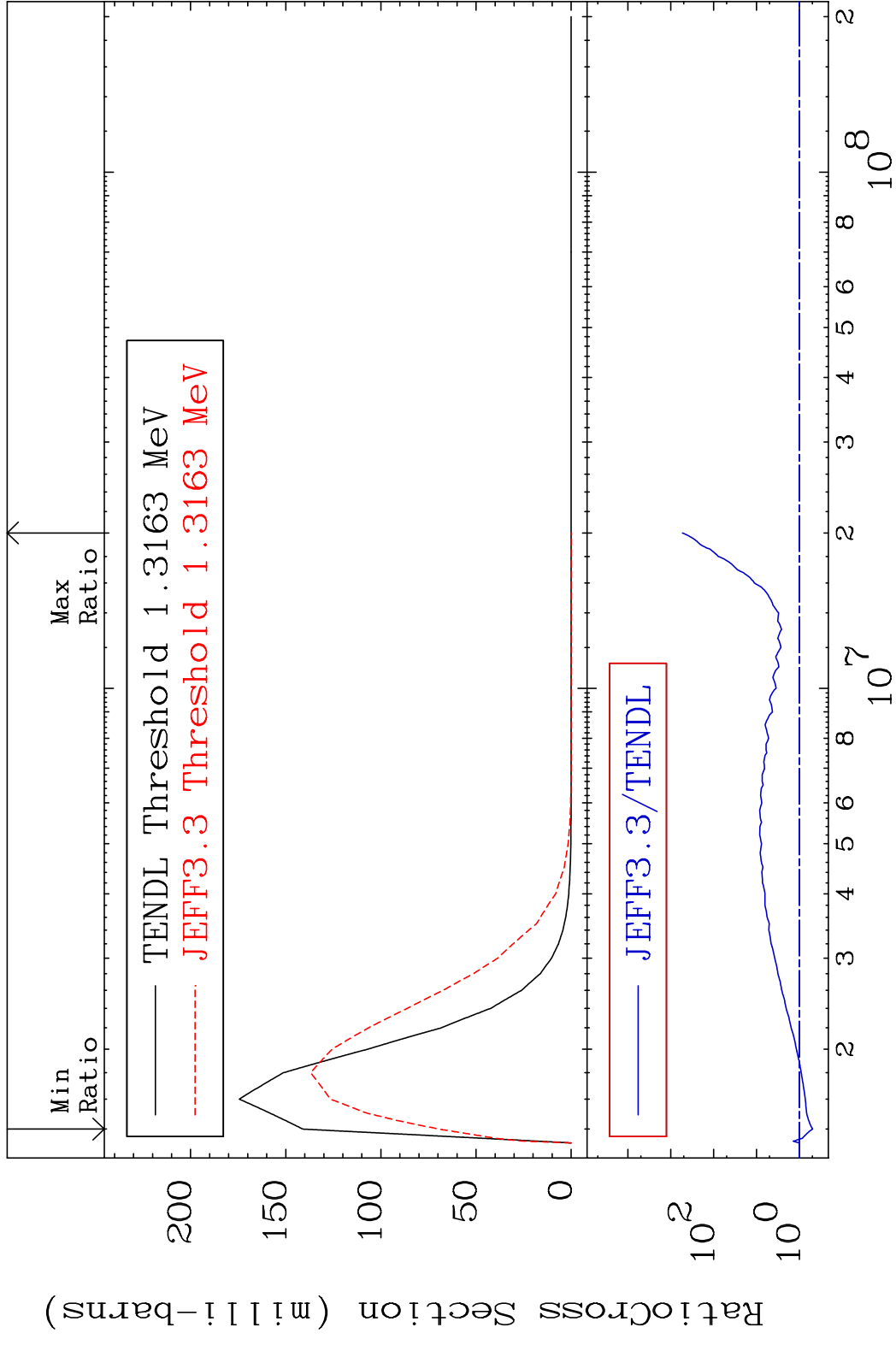
MAT 7225 MT= 59 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



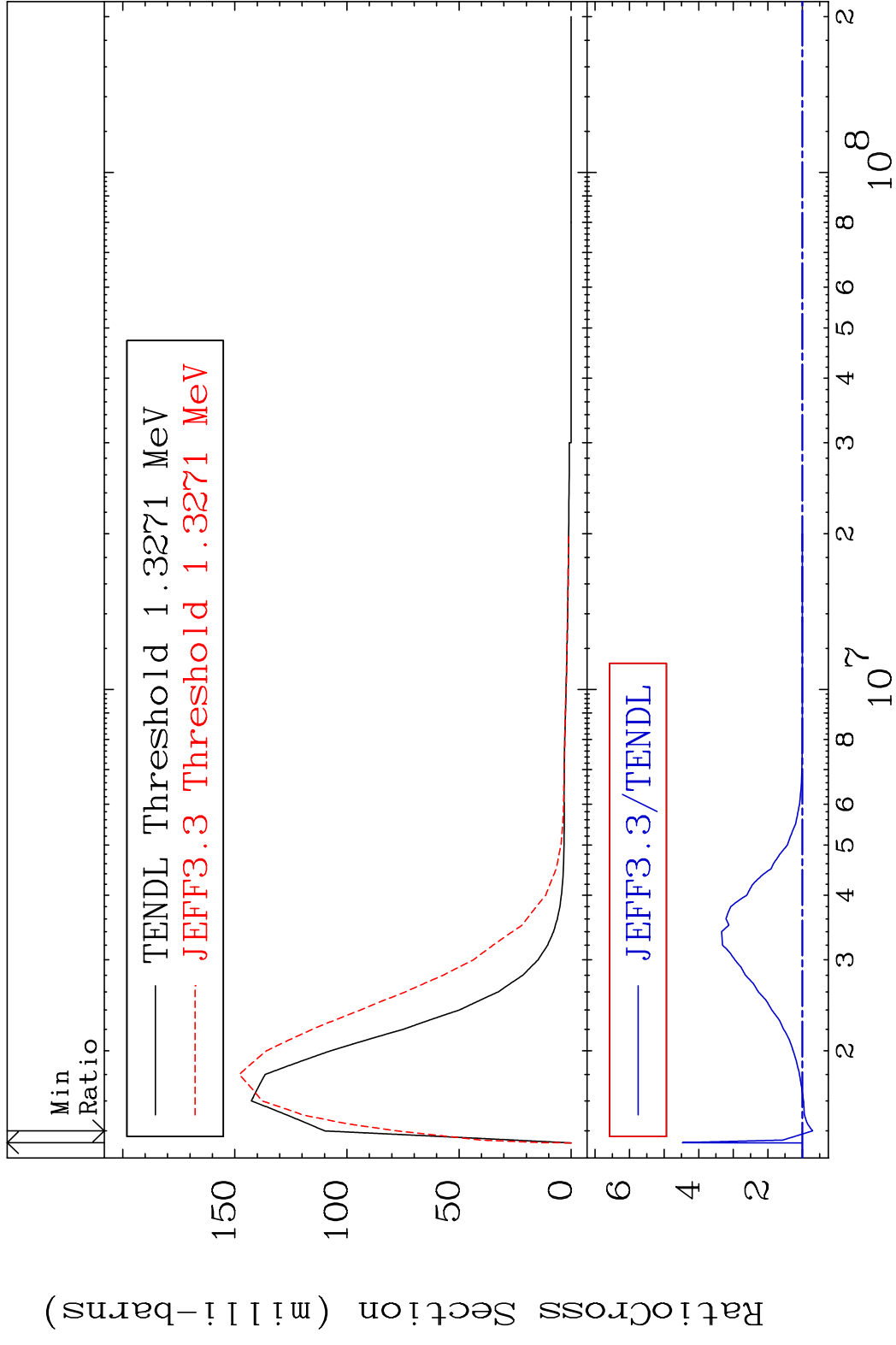
MAT 7225 MT= 60 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 299.9 %



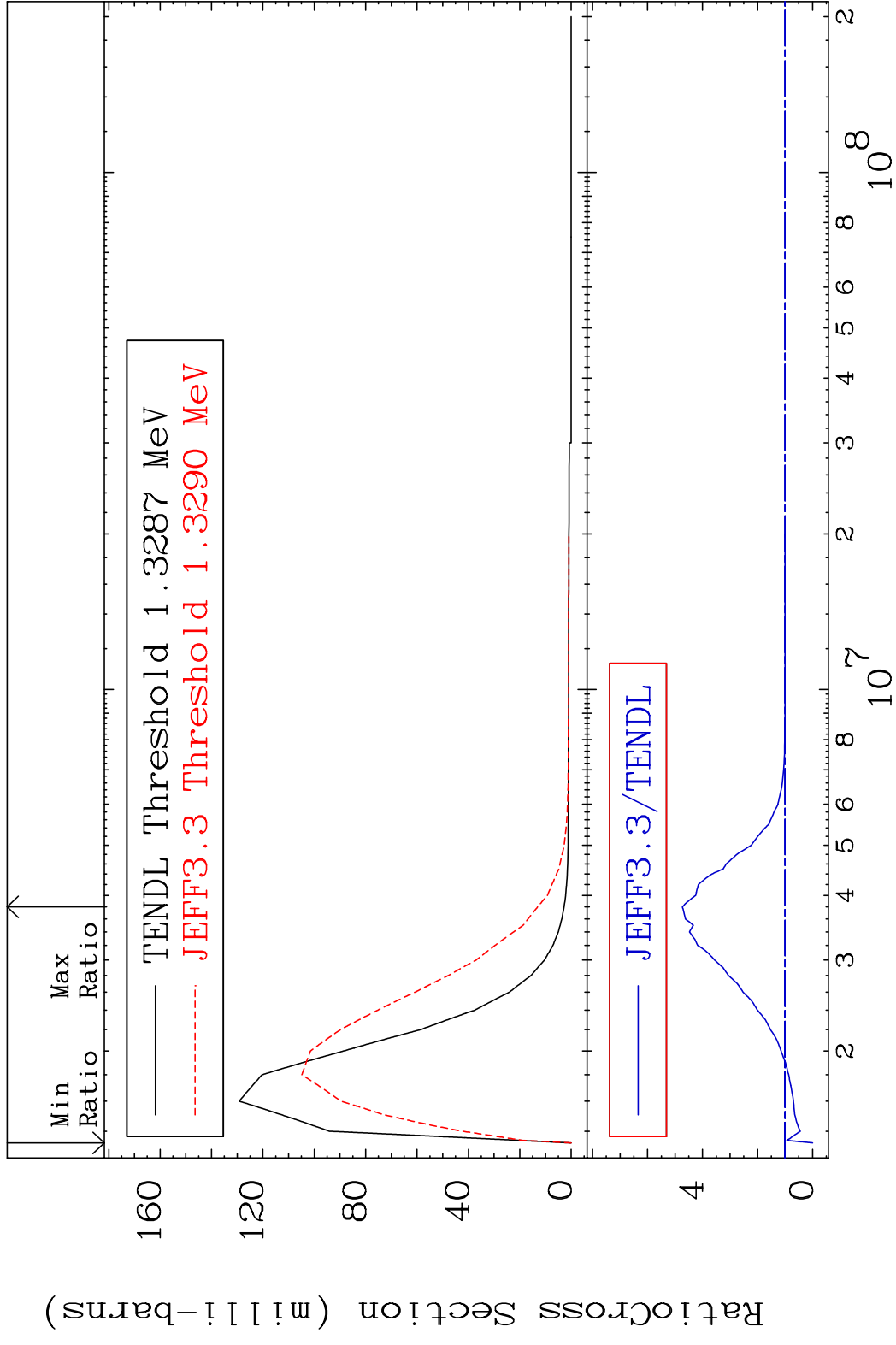
MAT 7225 MT= 61 (n, n') Level 72-Hf-174
 Cross Section -50.71 To 9999. %



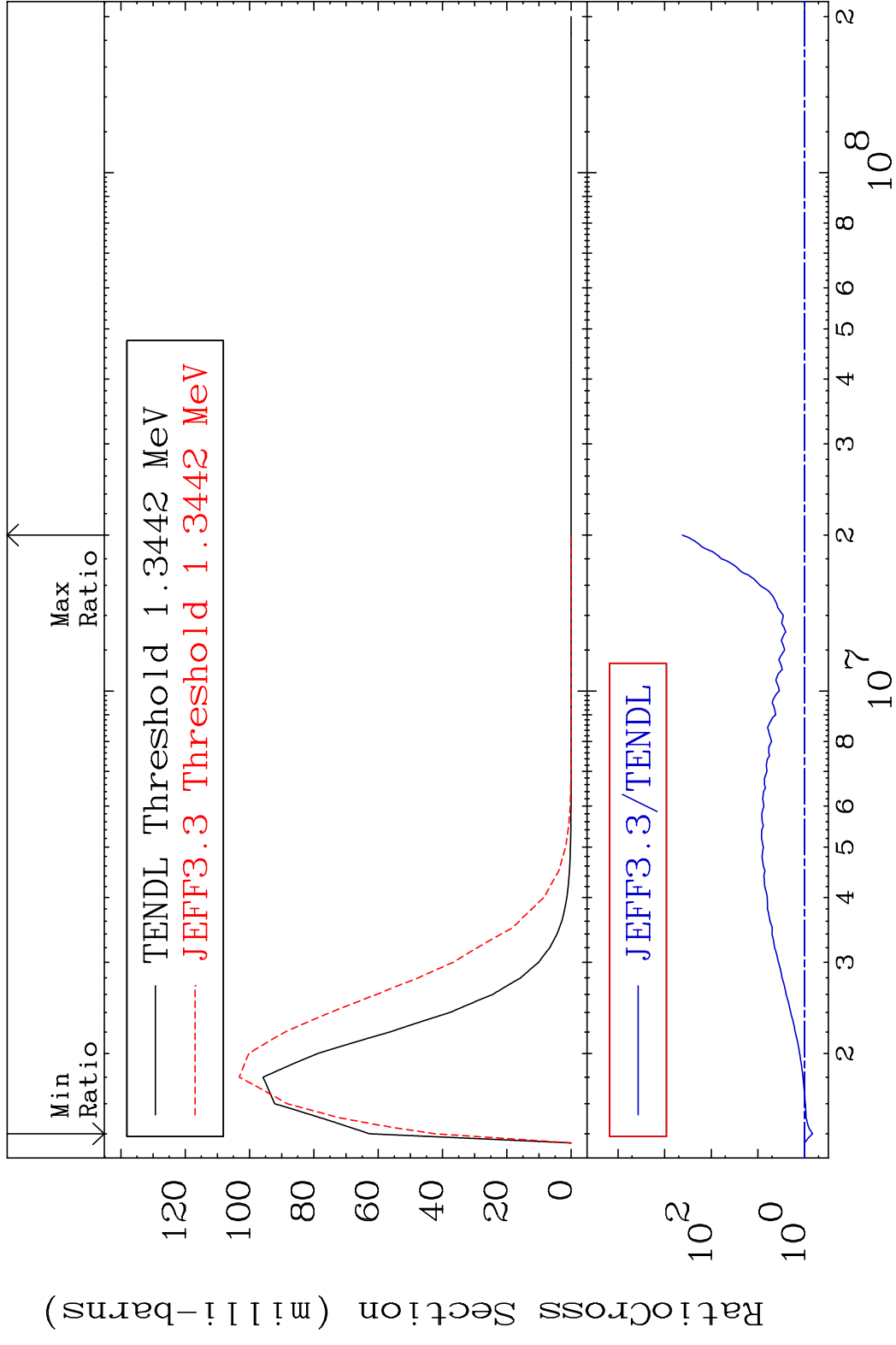
MAT 7225 MT= 62 (n,n') Level 72-Hf-174
 Cross Section -29.36 To 347.3 %



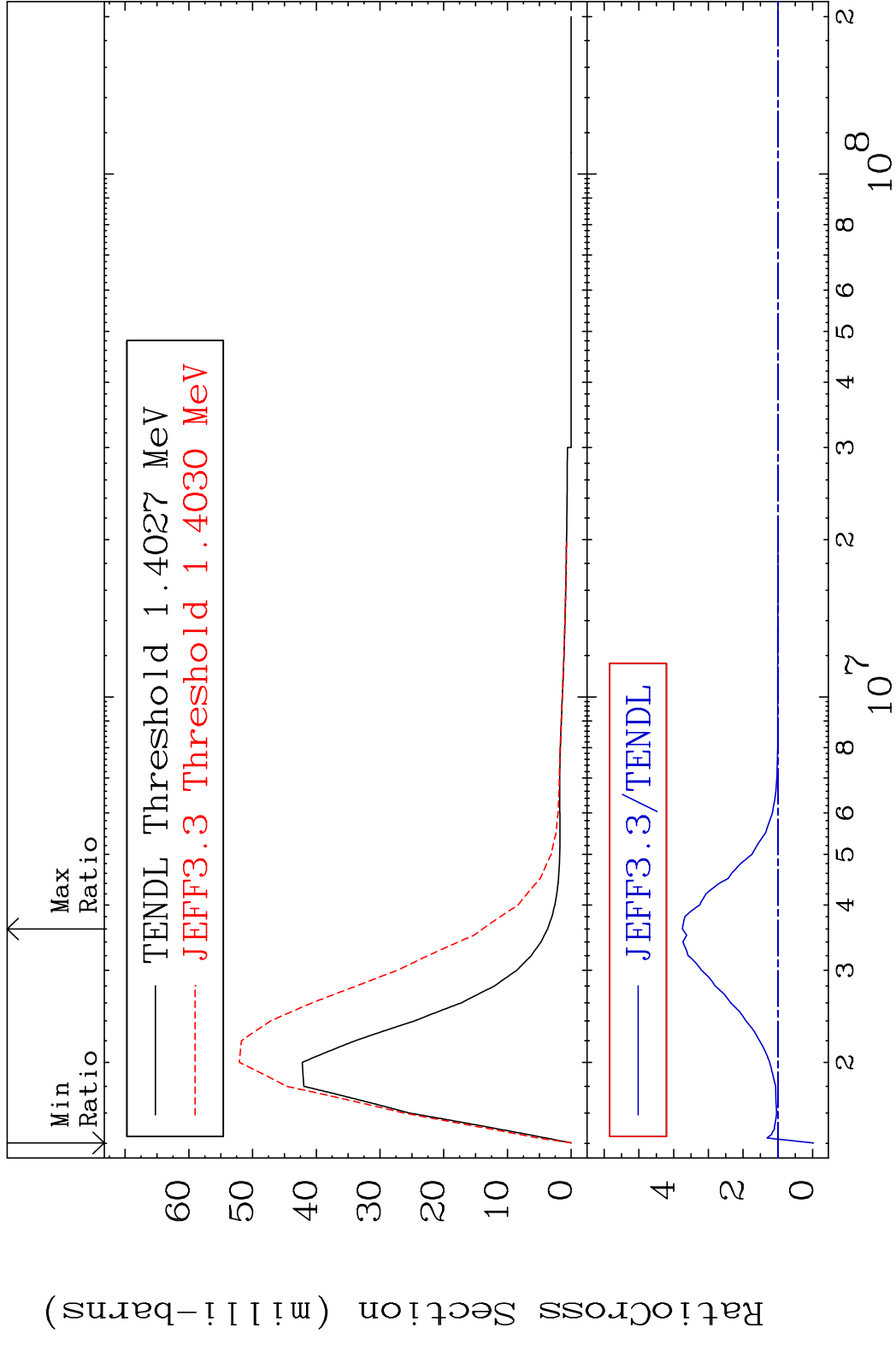
MAT 7225 MT= 63 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 373.5 %



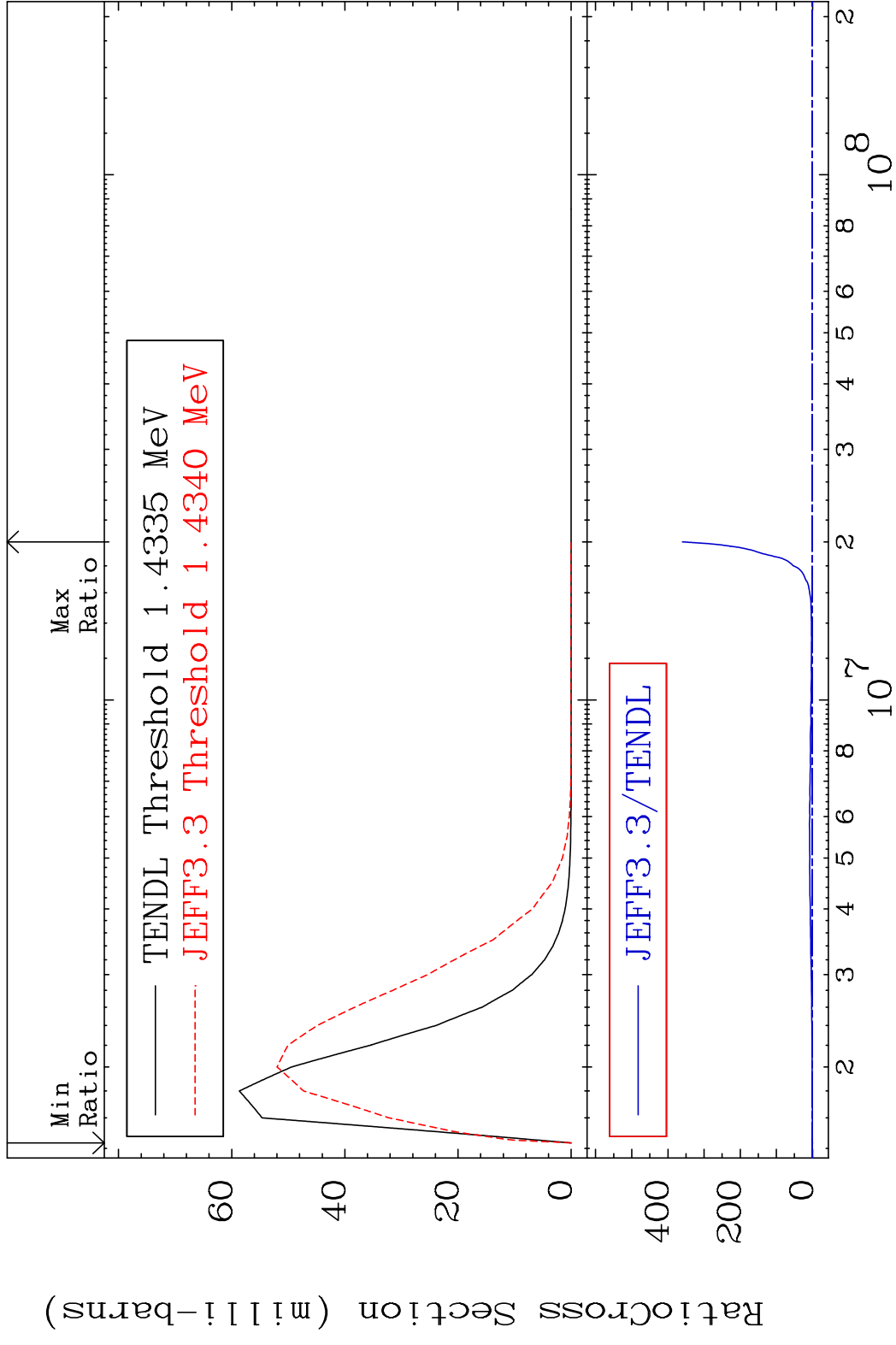
MAT 7225 MT= 64 (n, n') Level 72-Hf-174
 Cross Section -32.70 To 9999. %



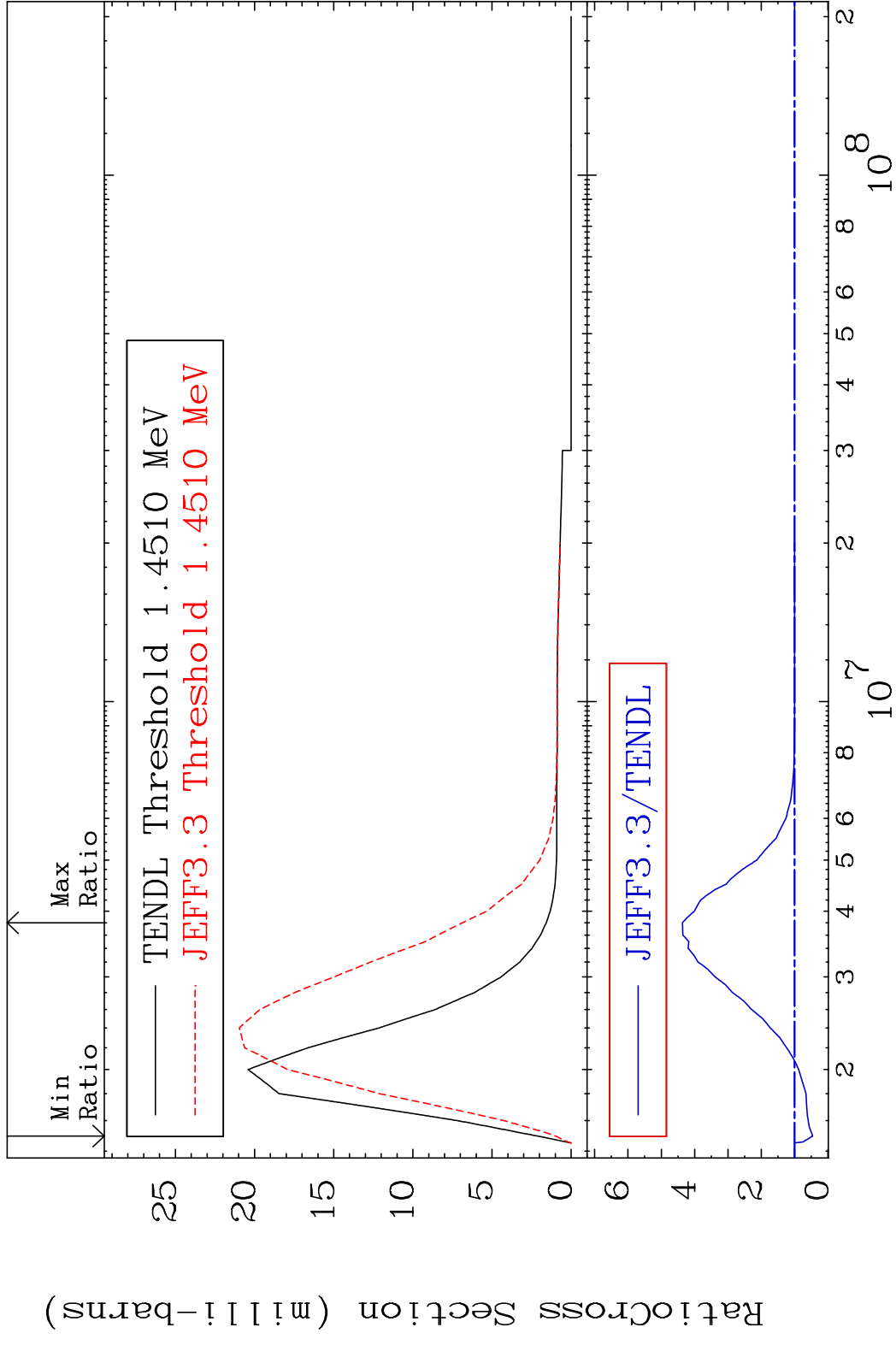
MAT 7225 MT= 65 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 275.0 %



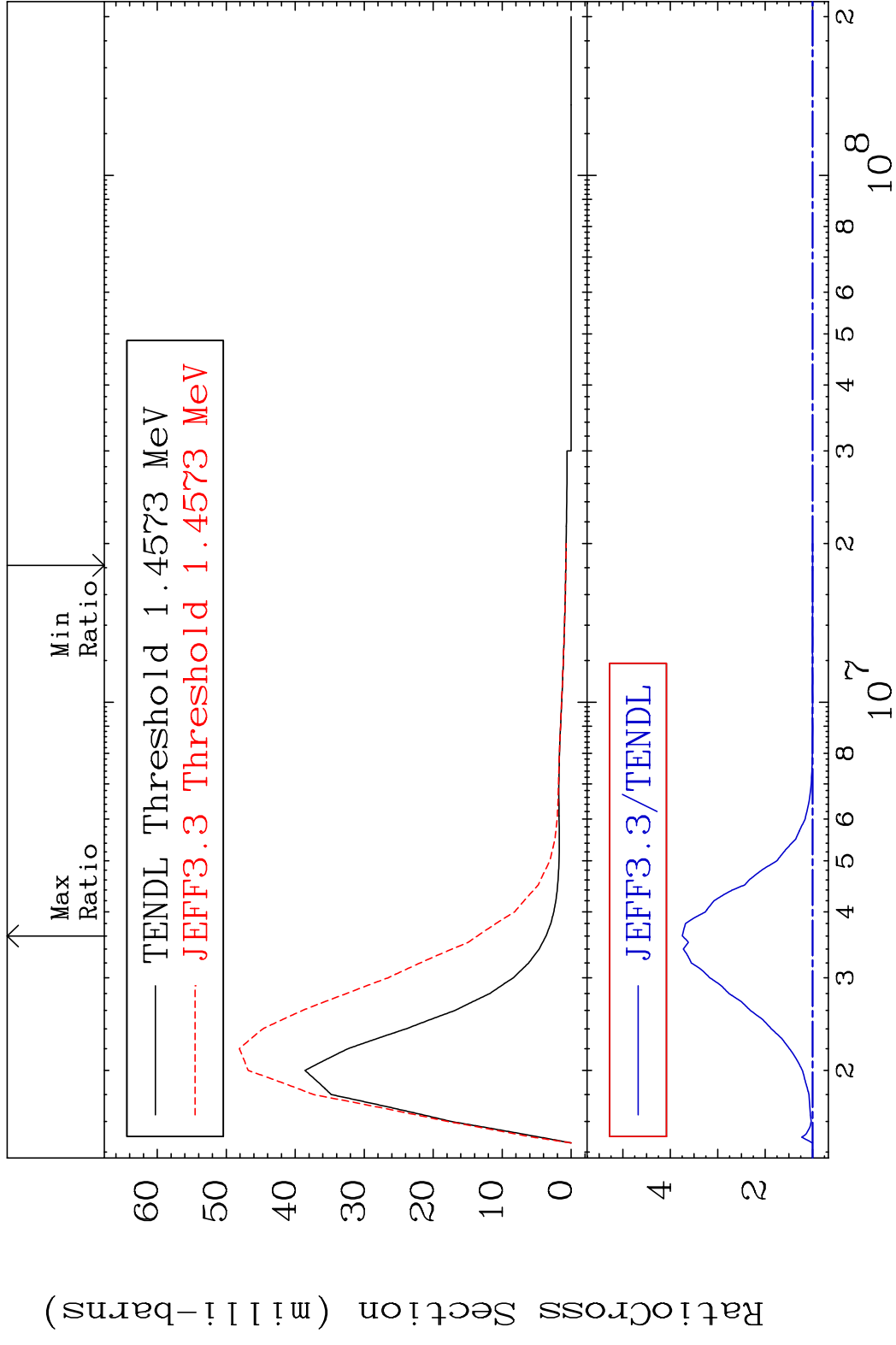
MAT 7225 MT= 66 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



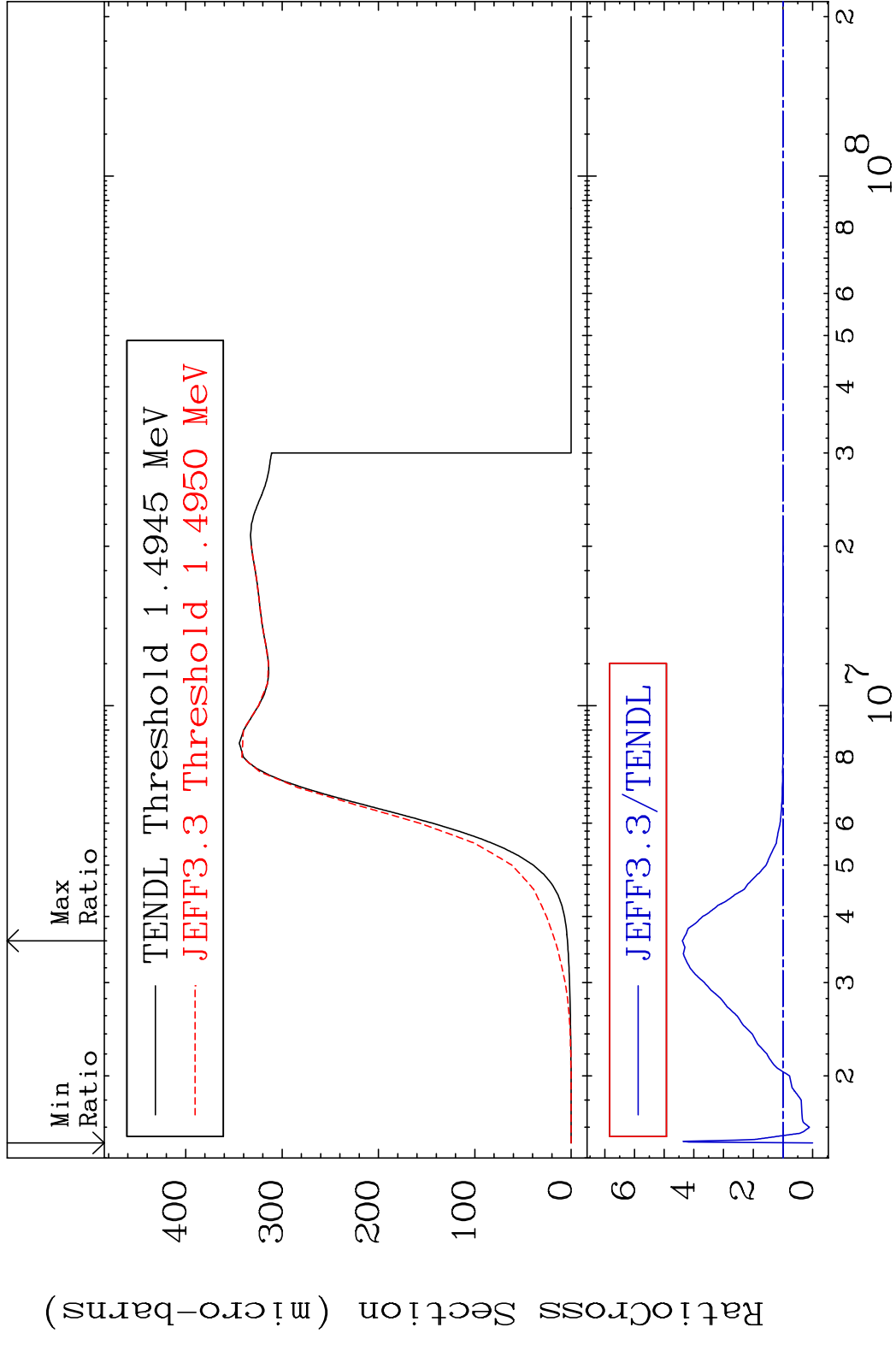
MAT 7225 MT= 67 (n, n') Level 72-Hf-174
 Cross Section -53.90 To 336.8 %



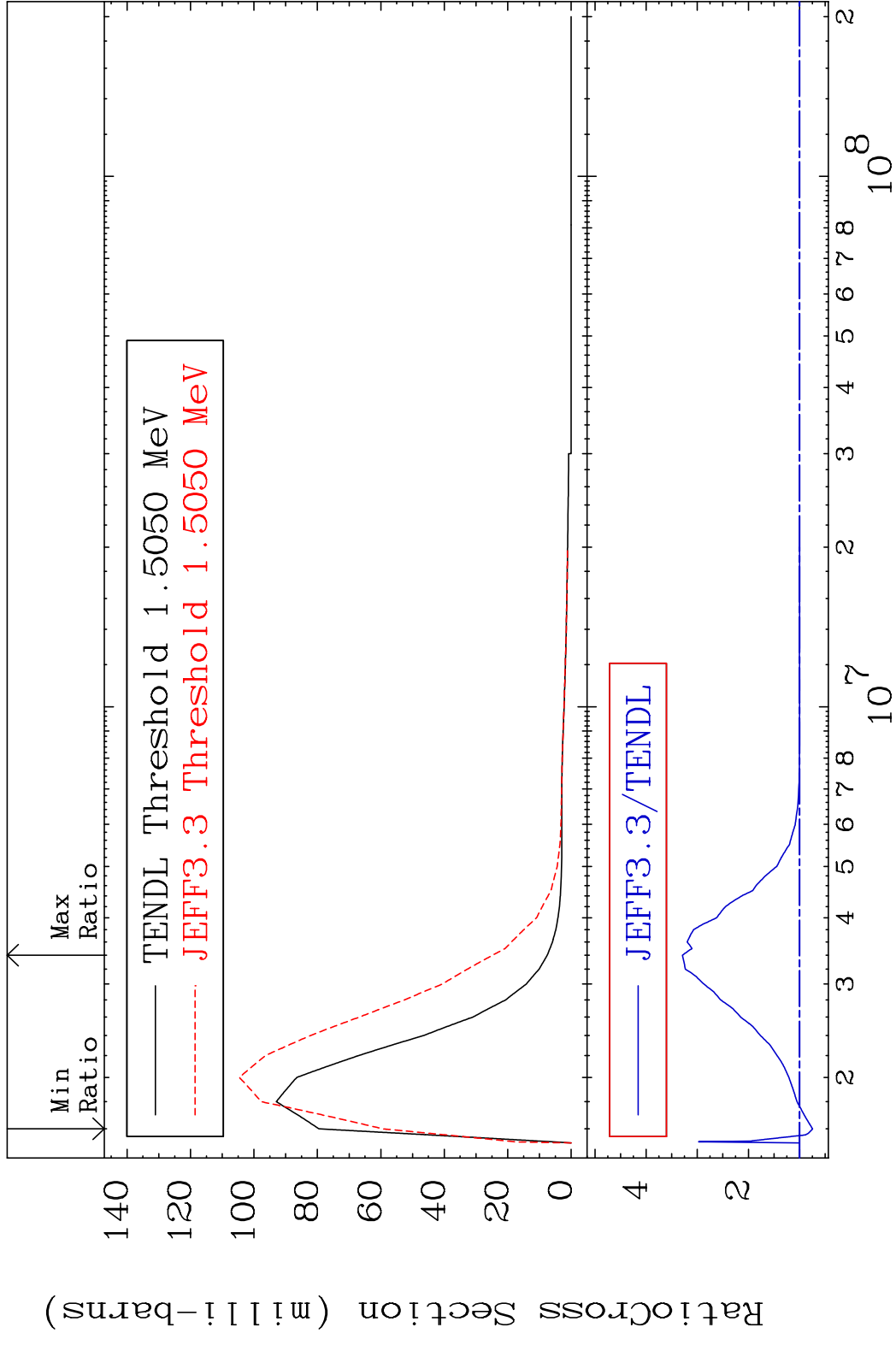
MAT 7225 MT= 68 (n, n') Level 72-Hf-174
 Cross Section 0.000 To 274.5 %



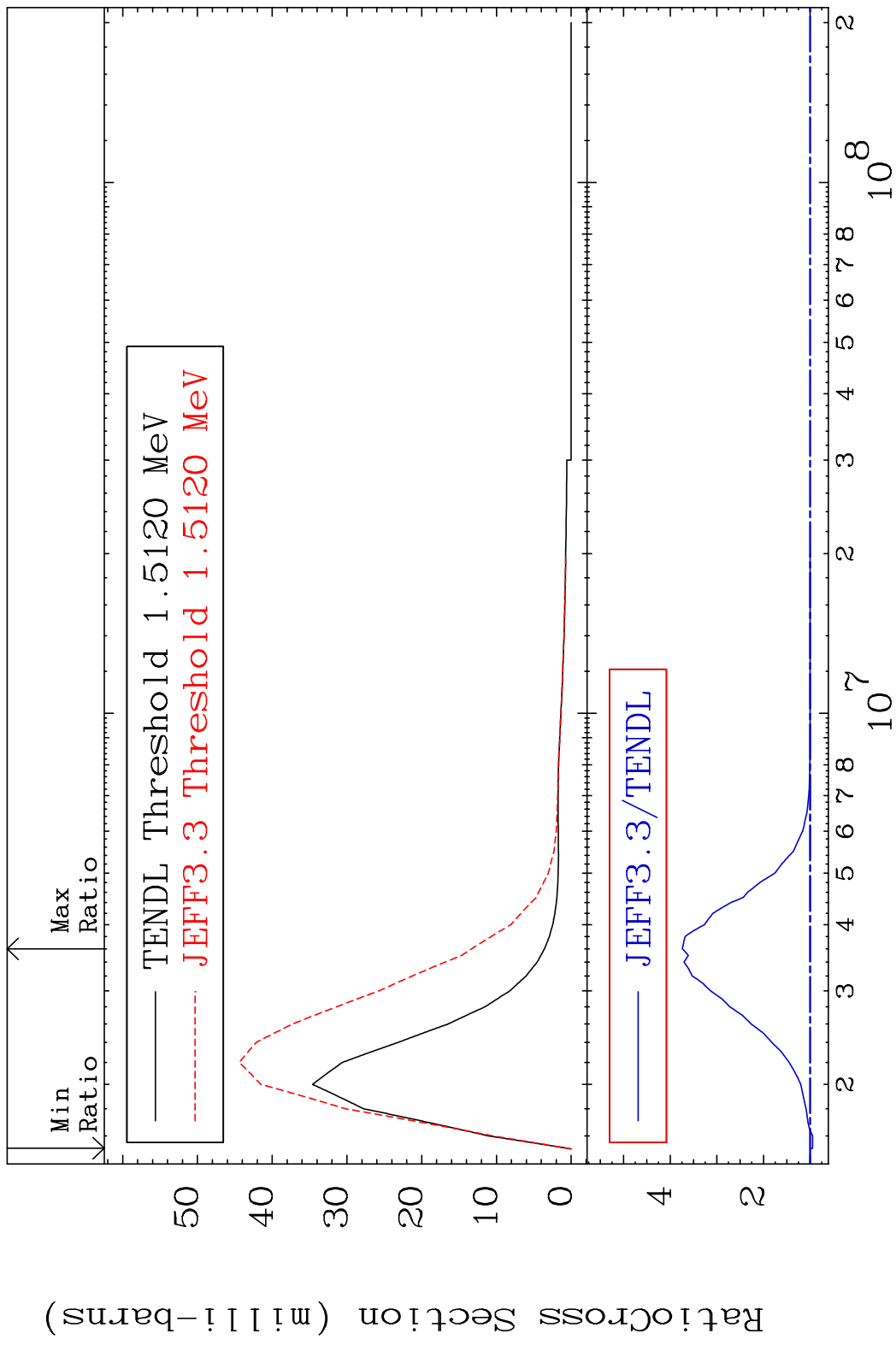
MAT 7225 MT= 69 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 338.8 %



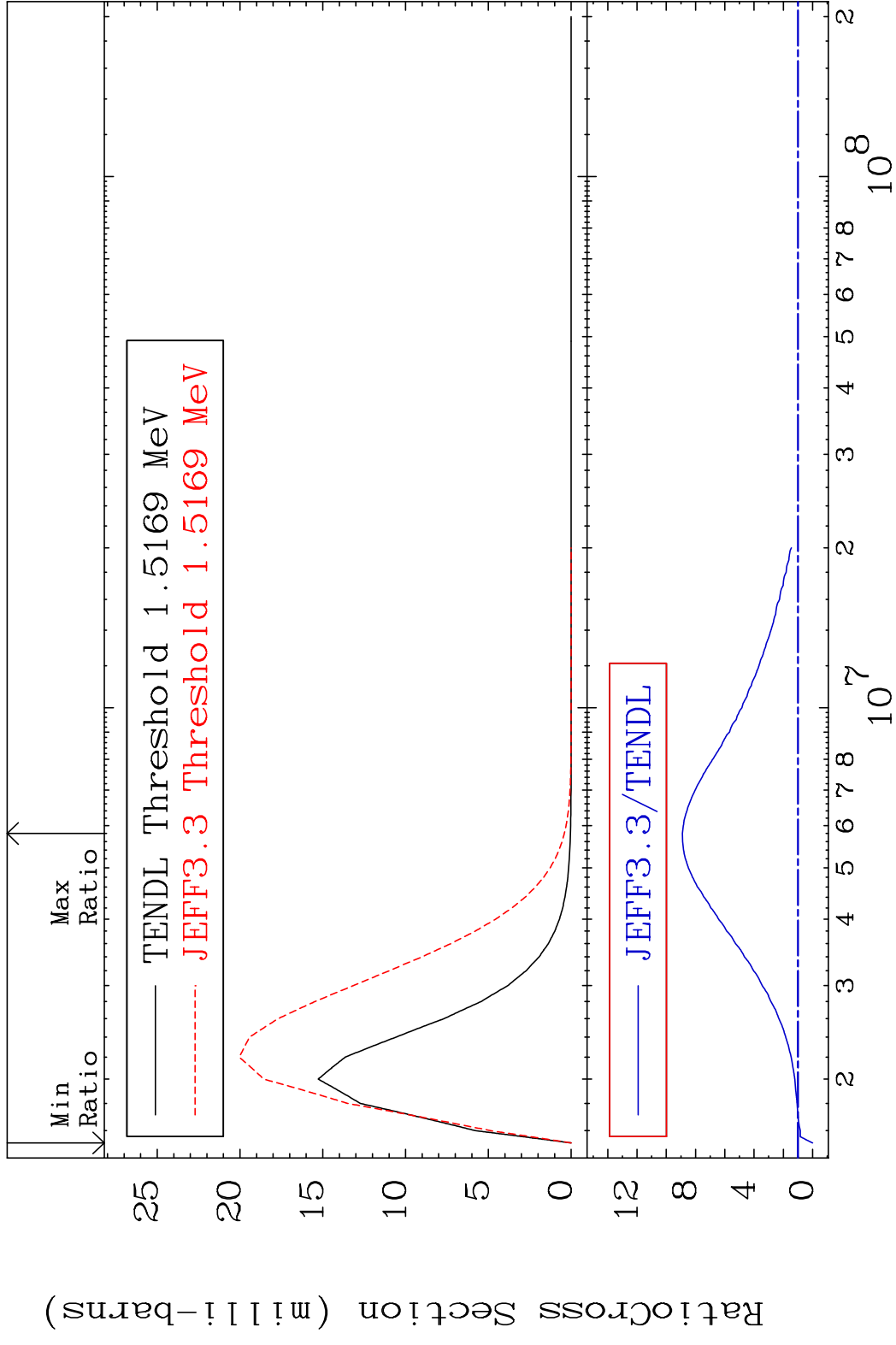
MAT 7225 MT= 70 (n,n') Level 72-Hf-174
 Cross Section -25.36 To 229.2 %



MAT 7225 MT= 71 (n, n') Level 72-Hf-174
 Cross Section -5.243 To 274.0 %



MAT 7225 MT= 72 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 790.3 %

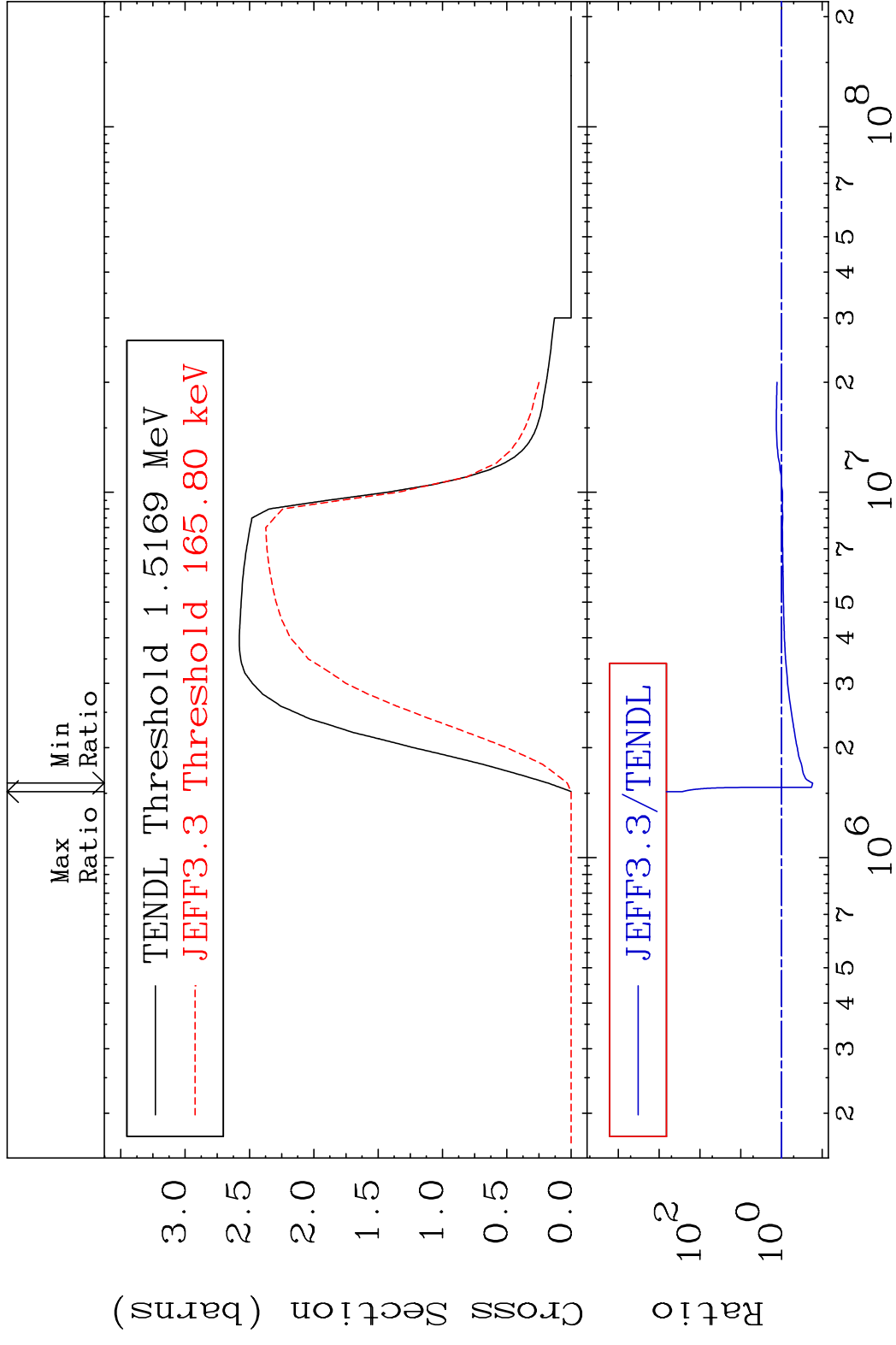


MAT 7225

(n, n') Continuum

72-Hf-174

Cross Section -82.70 To 9999. %

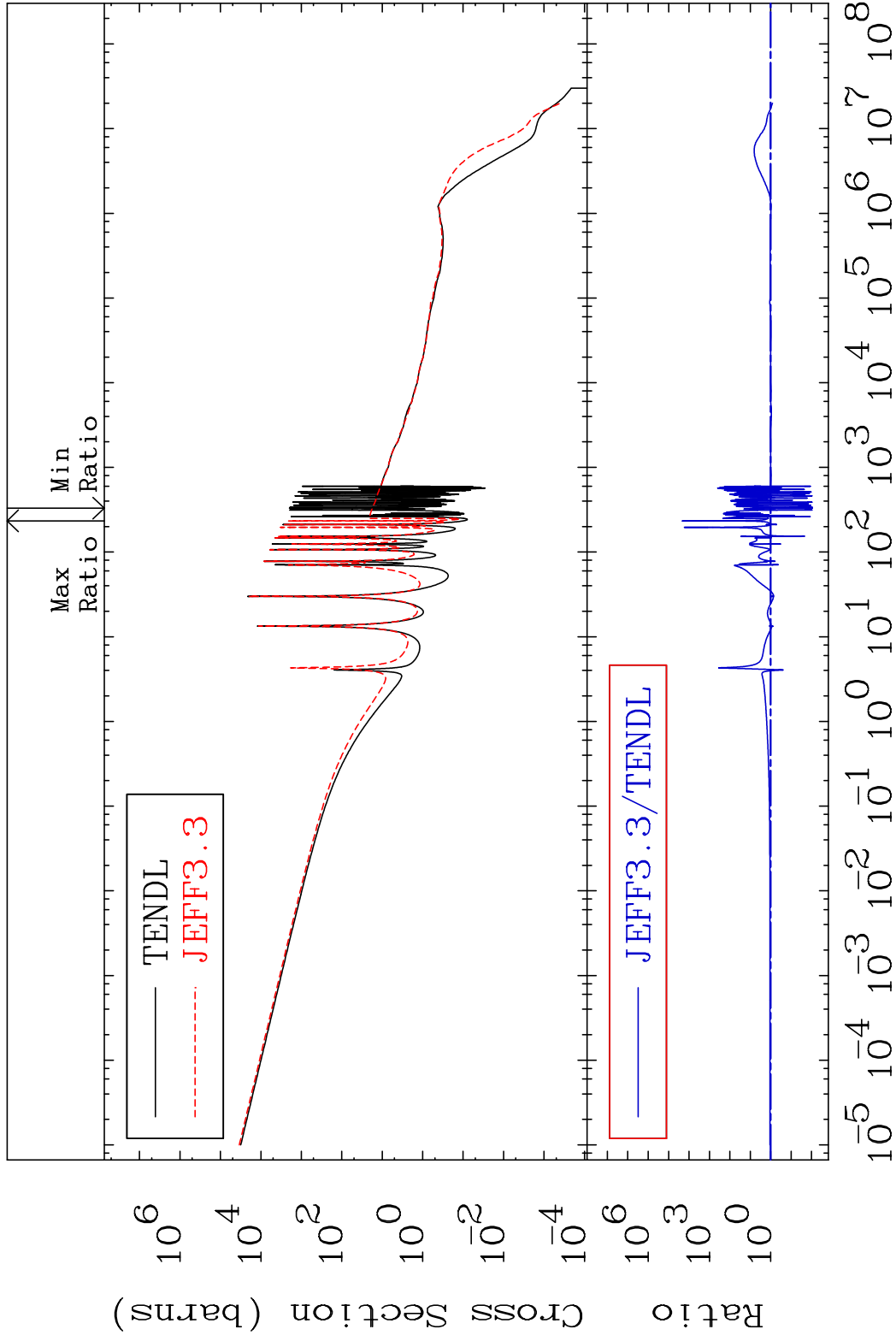


MAT 7225

(n, γ)

72-Hf-174

Cross Section -99.11 To 9999. %



37

Incident Energy (eV)

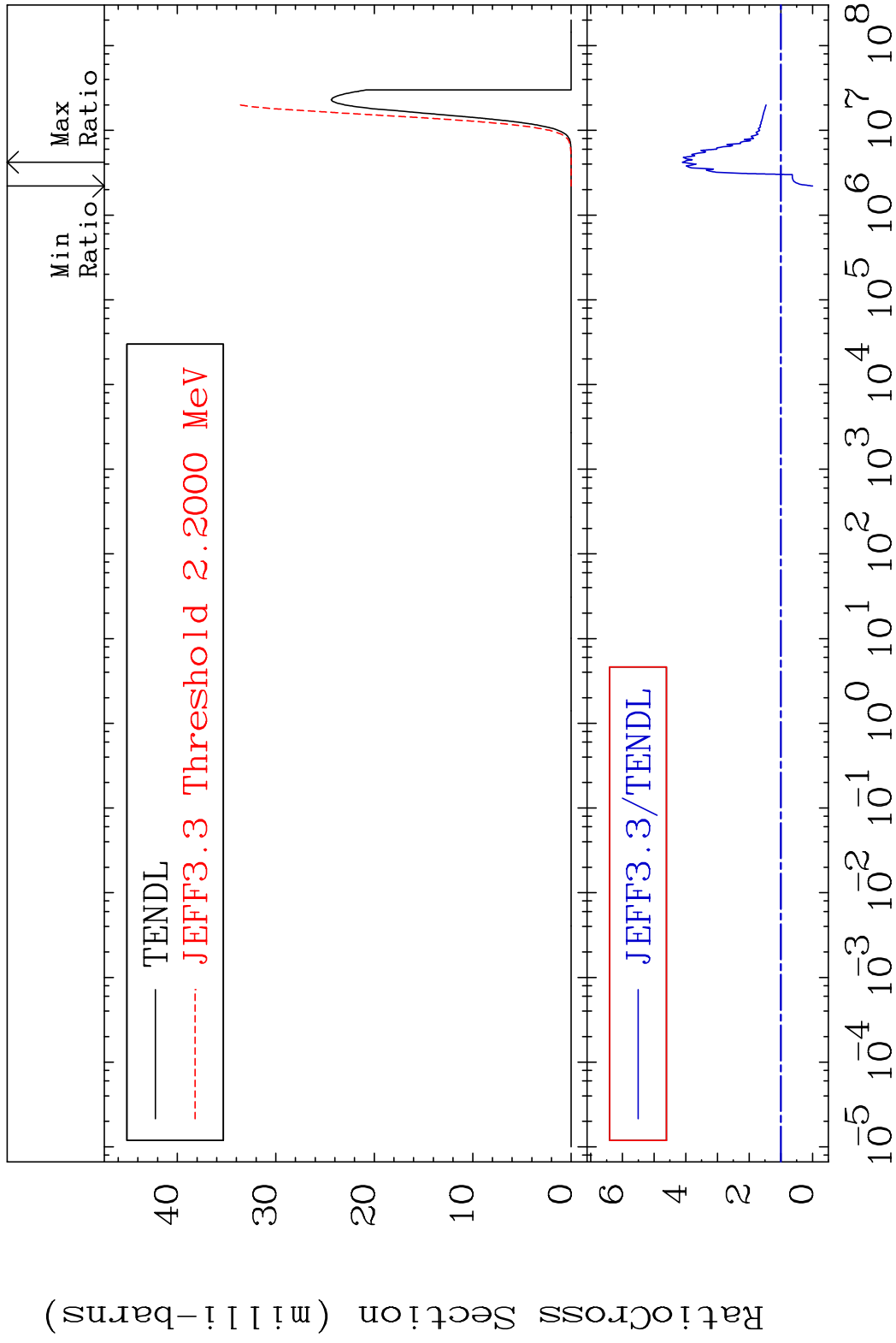
72-Hf-174

MAT 7225

(n, p)

72-Hf-174

Cross Section -100.0 To 310.9 %



38

Incident Energy (eV)

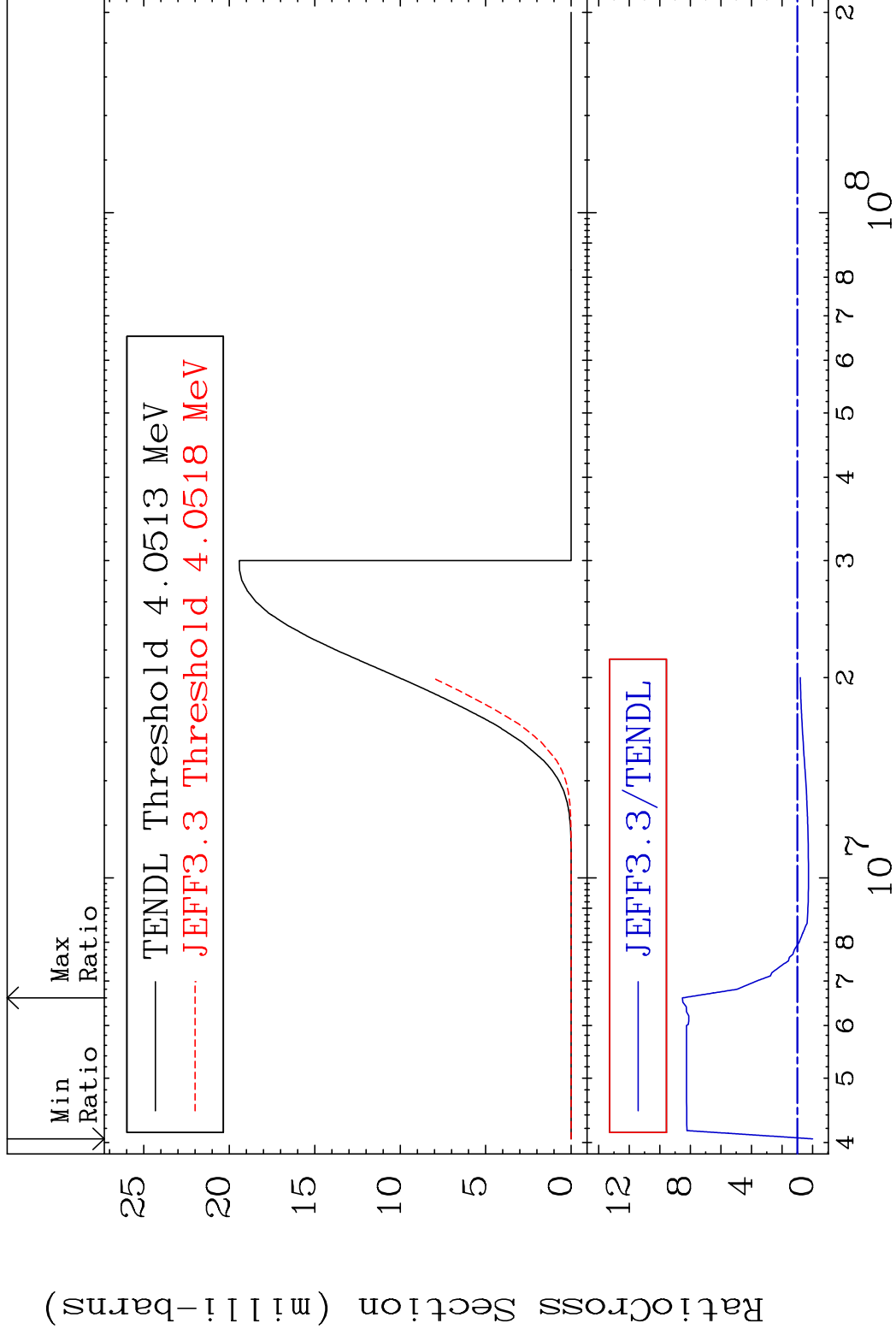
72-Hf-174

MAT 7225

(n, d)

72-Hf-174

Cross Section -100.0 To 752.2 %



39

Incident Energy (eV)

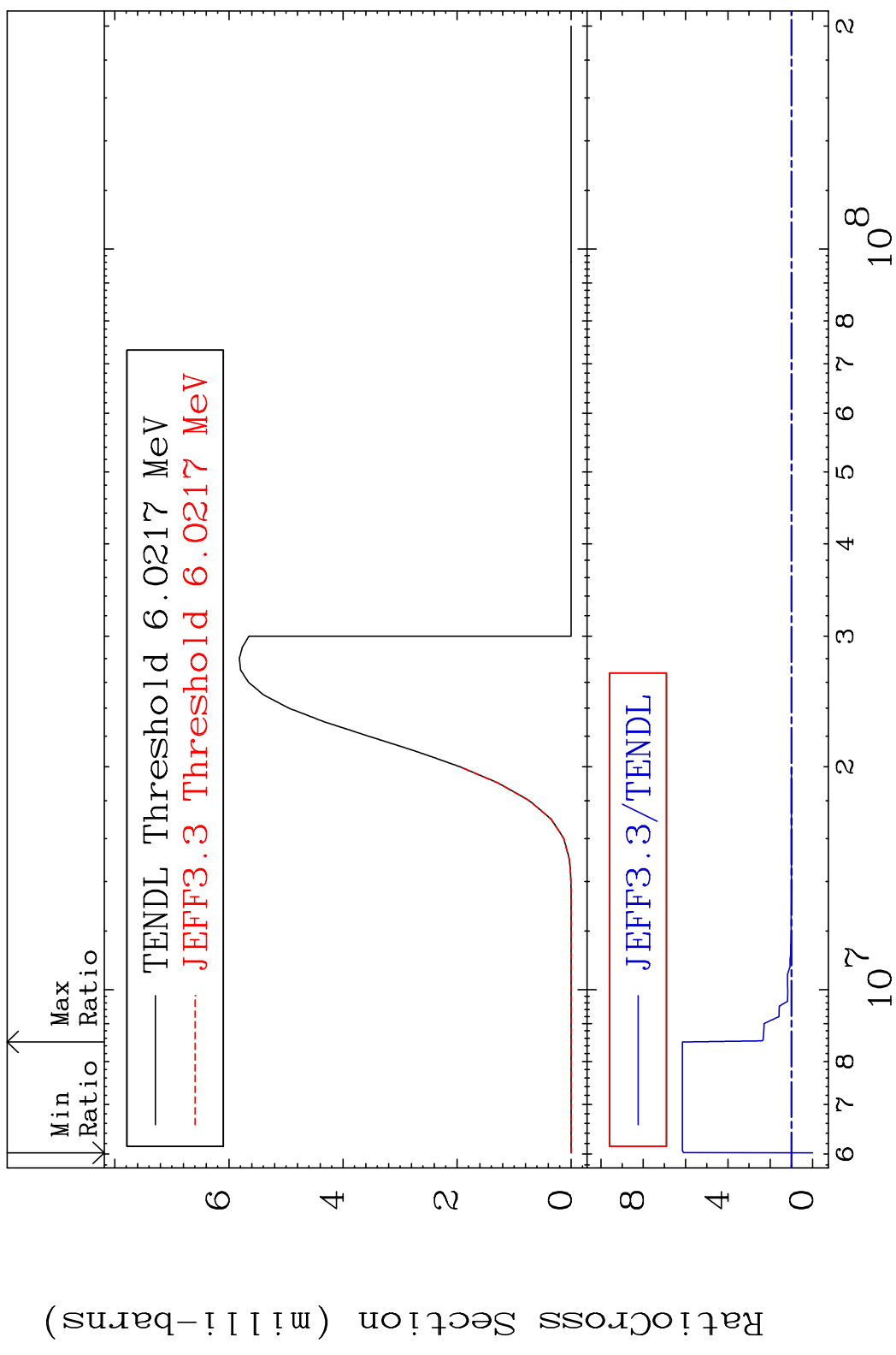
72-Hf-174

MAT 7225

(n, t)

72-Hf-174

Cross Section -100.0 To 515.2 %



40

Incident Energy (eV)

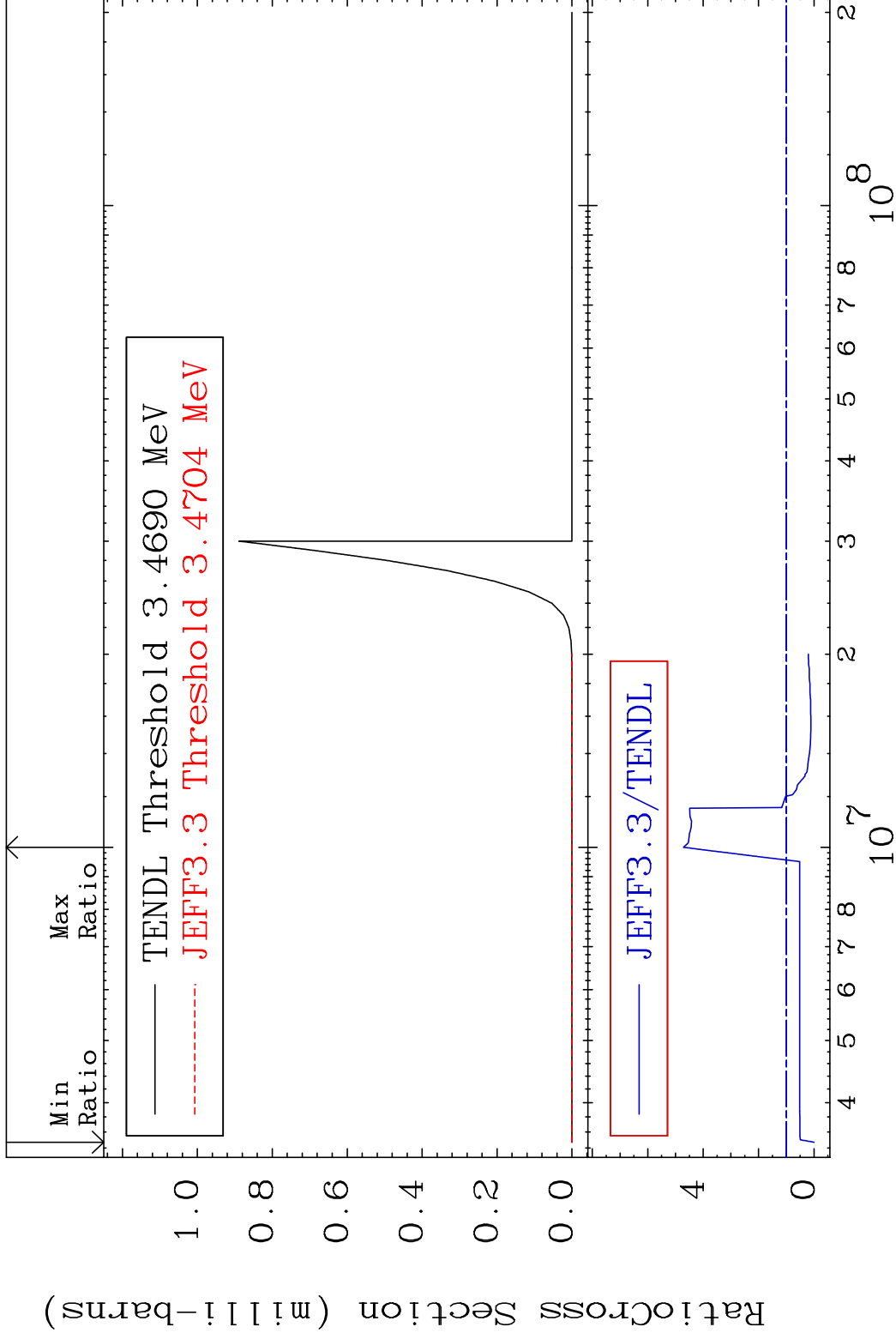
72-Hf-174

MAT 7225

(n, He-3)

72-Hf-174

Cross Section -100.0 To 371.2 %

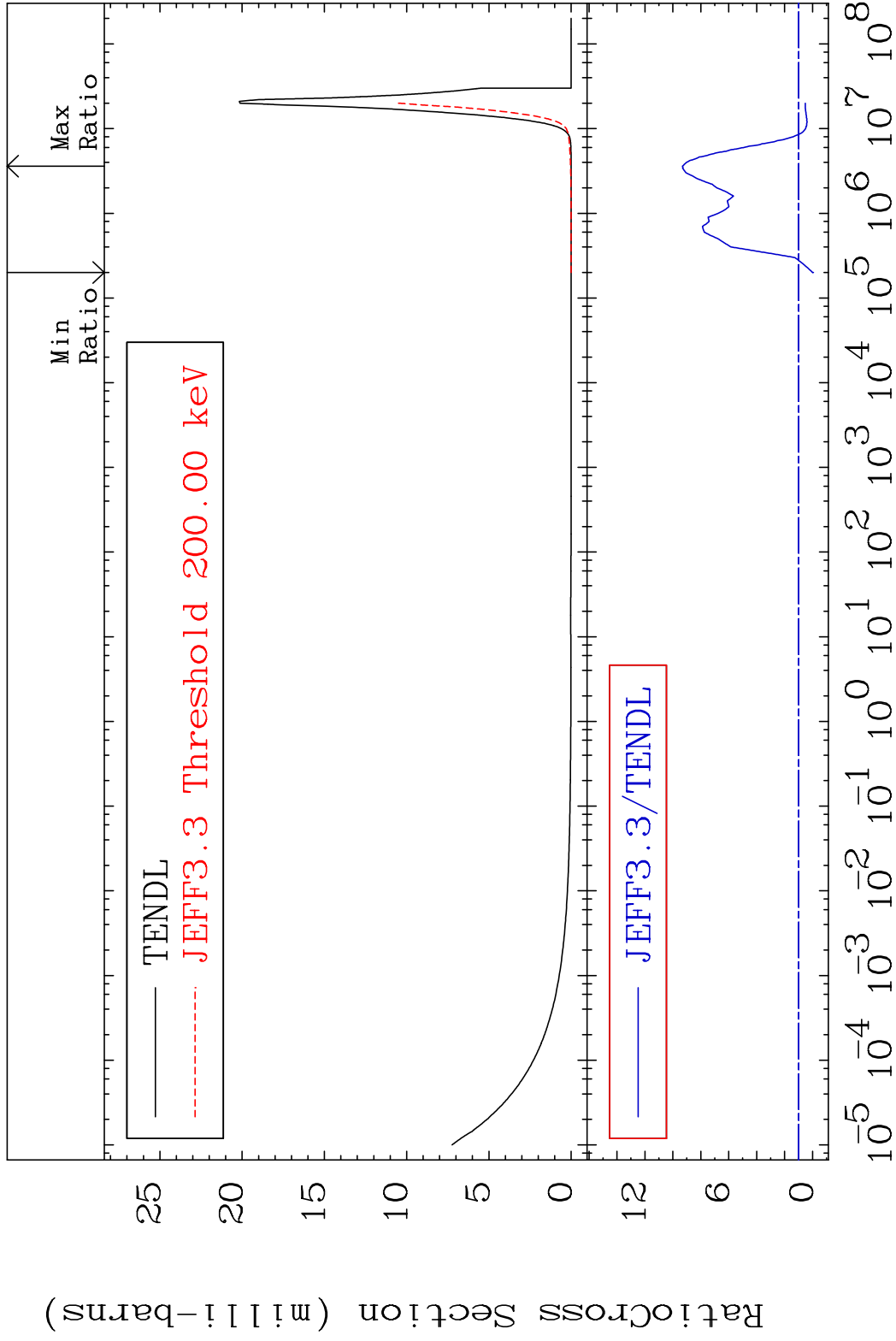


MAT 7225

(n, α)

72-Hf-174

Cross Section -100.0 To 832.0 %



42

Incident Energy (eV)

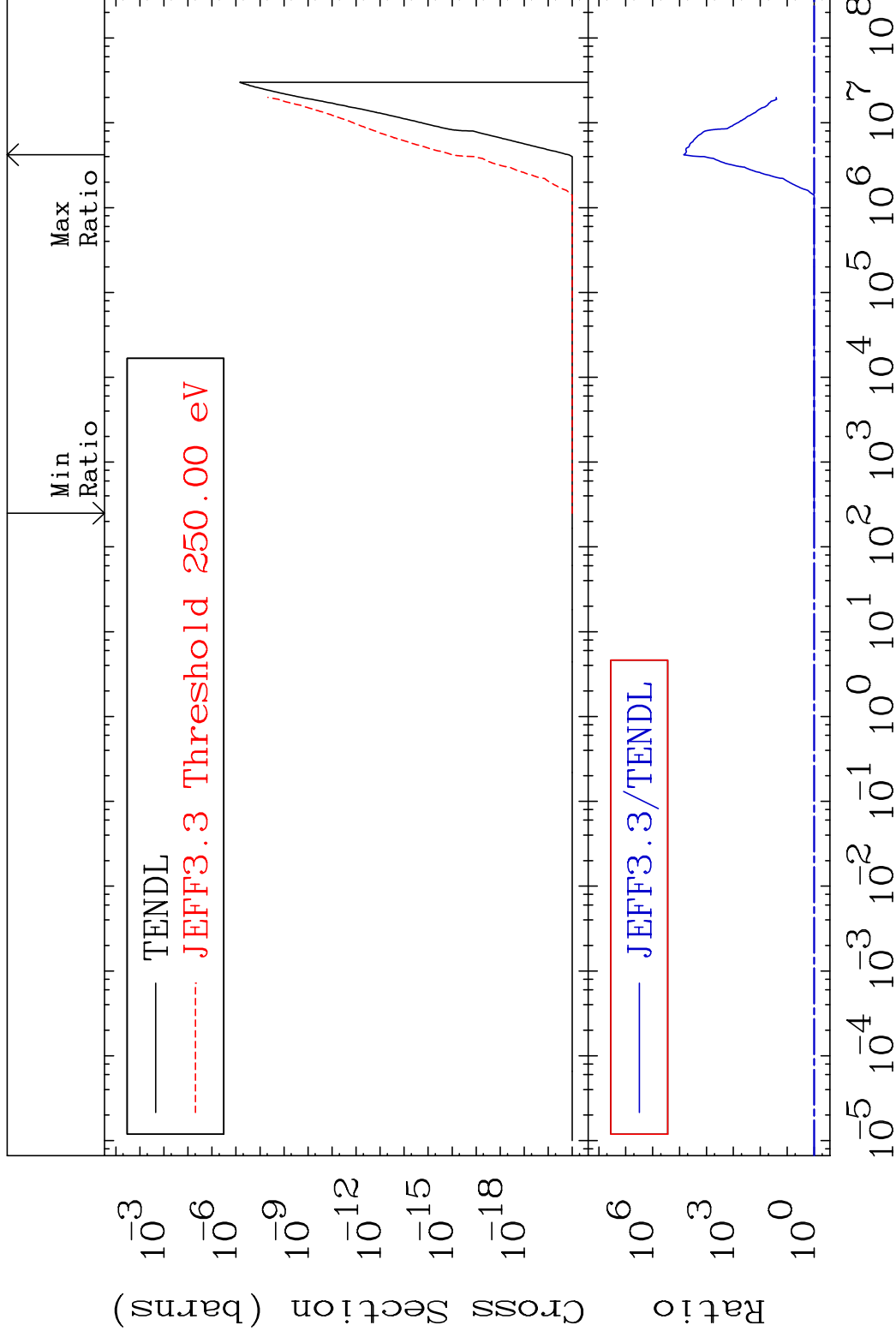
72-Hf-174

MAT 7225

(n, 2α)

72-Hf-174

Cross Section 0.000 To 9999. %

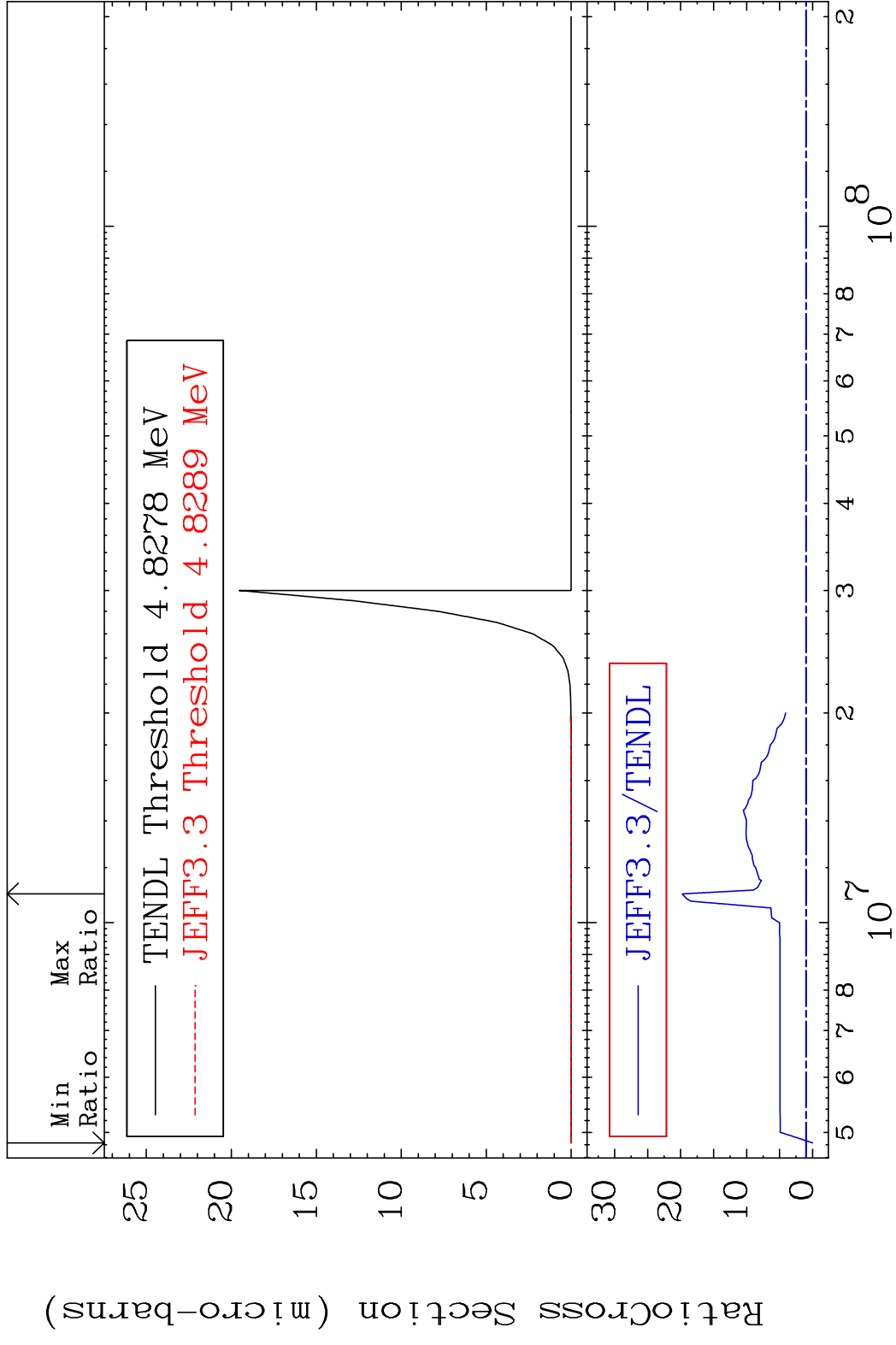


43

Incident Energy (eV)

72-Hf-174

MAT 7225 (n,2p) 72-Hf-174
 Cross Section -100.0 To 1874. %

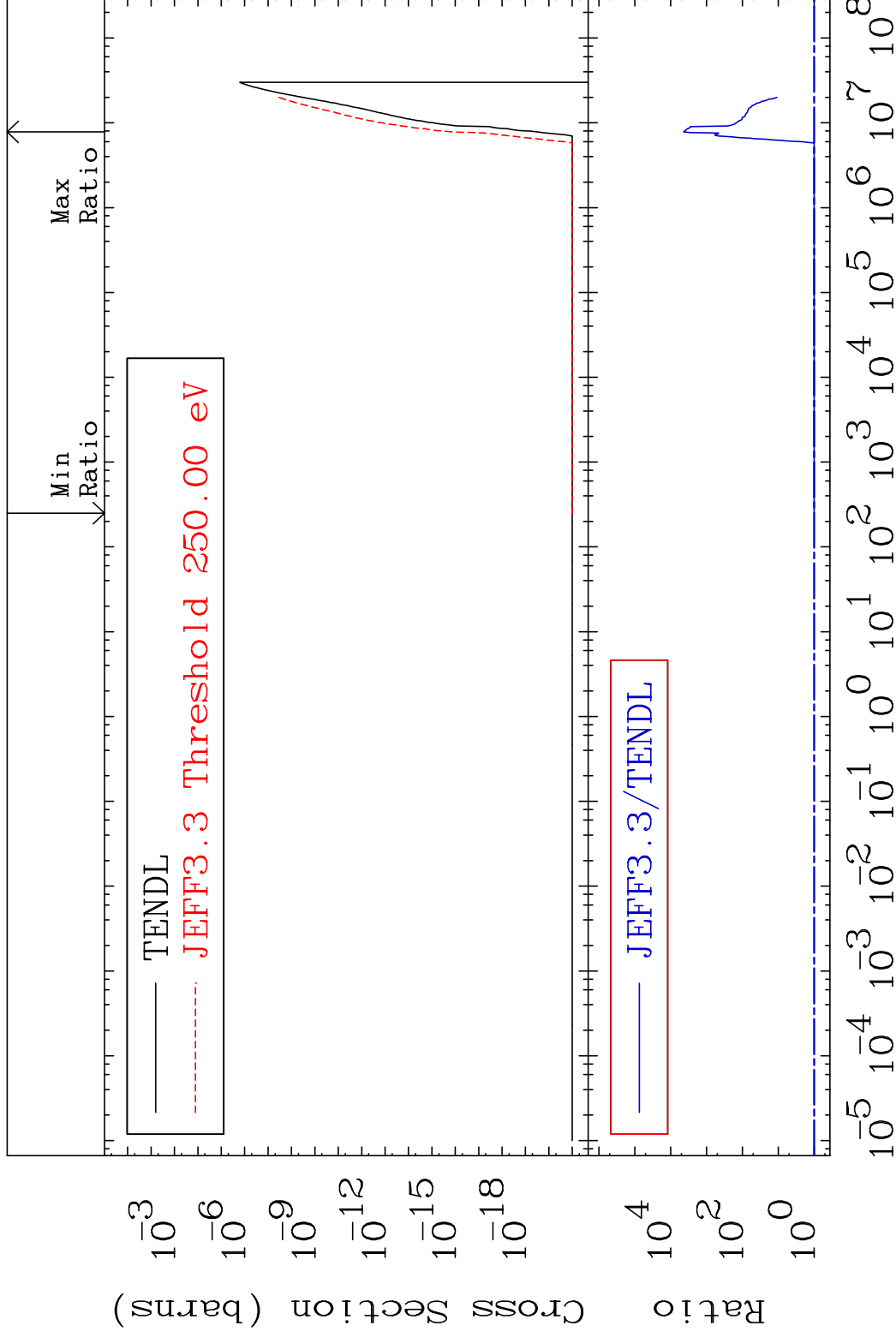


MAT 7225

(n,p) α

72-Hf-174

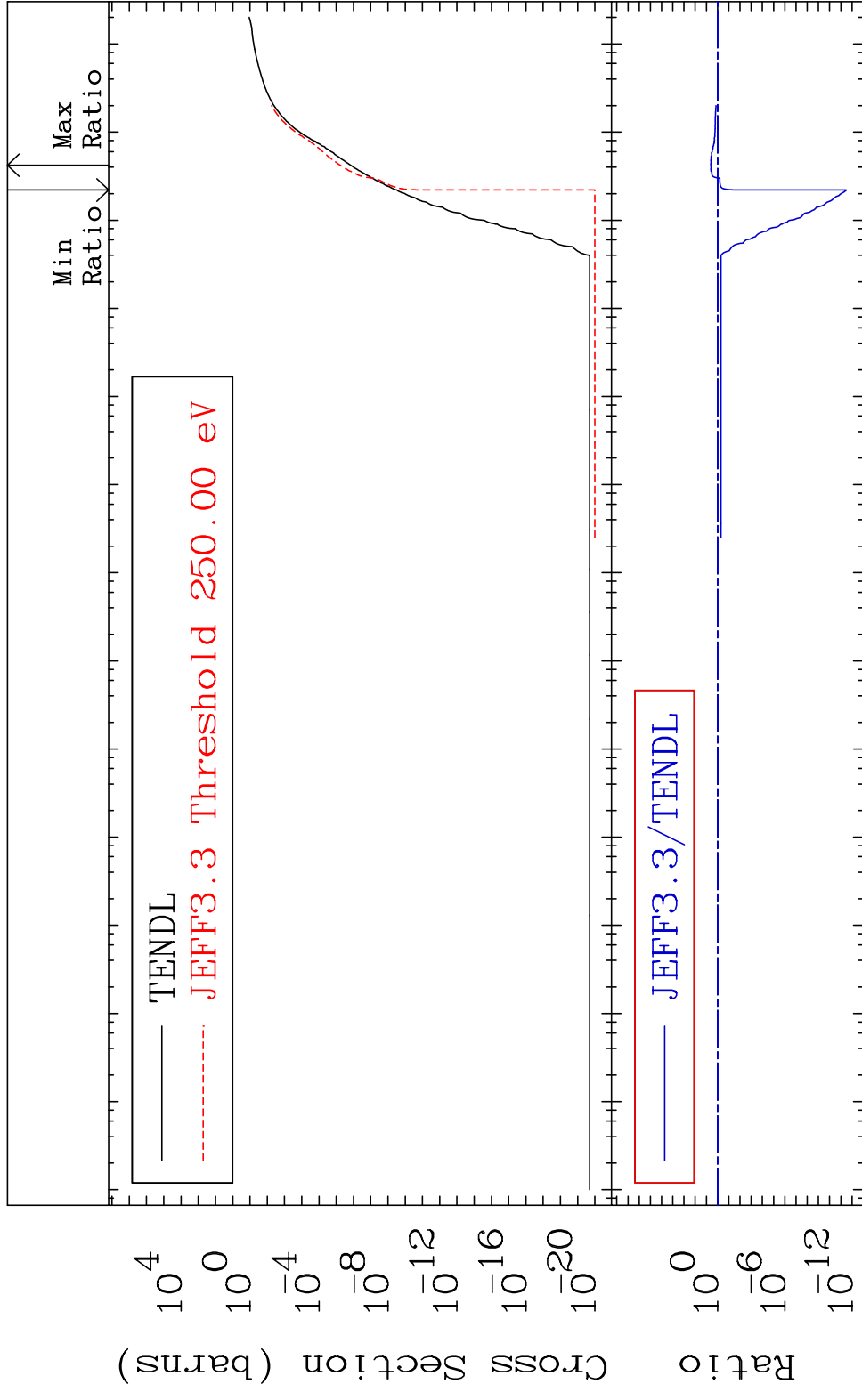
Cross Section 0.000 To 9999. %



45

Incident Energy (eV)

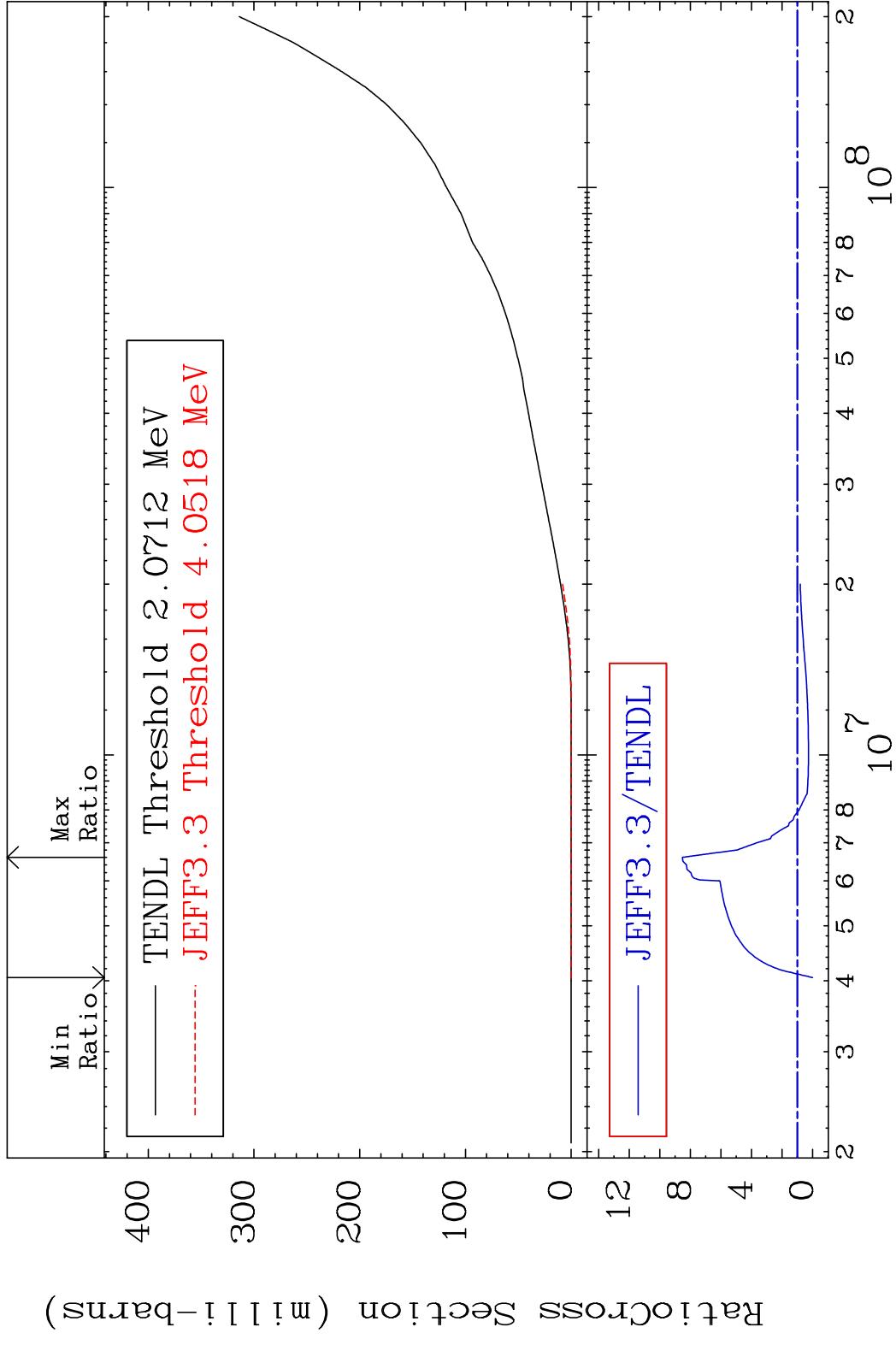
72-Hf-174



MAT 7225

Deuterium Production 72-Hf-174

Cross Section -100.0 To 752.0 %



47

Incident Energy (eV)

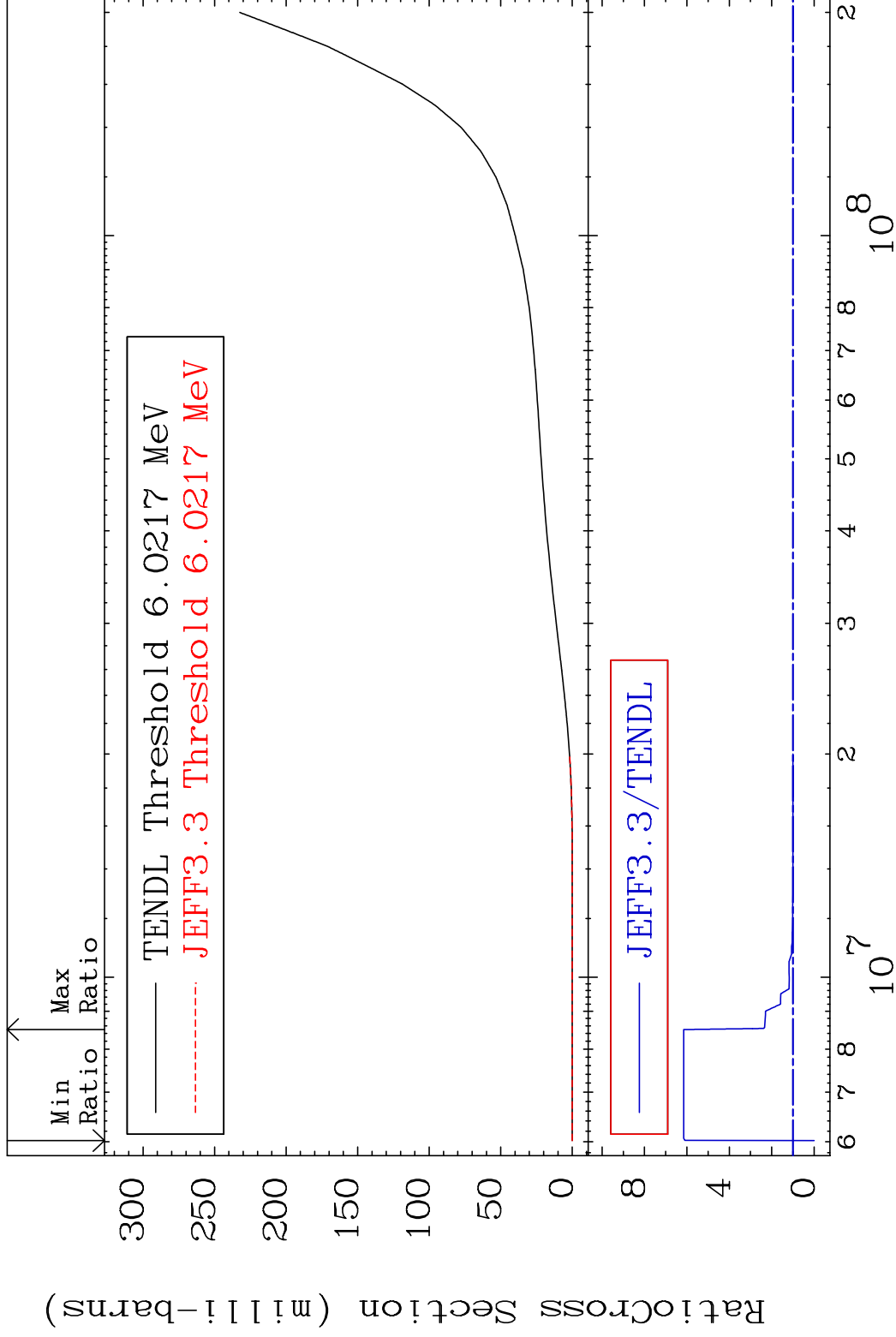
72-Hf-174

MAT 7225

Tritium Production

72-Hf-174

Cross Section -100.0 To 515.2 %



48

Incident Energy (eV)

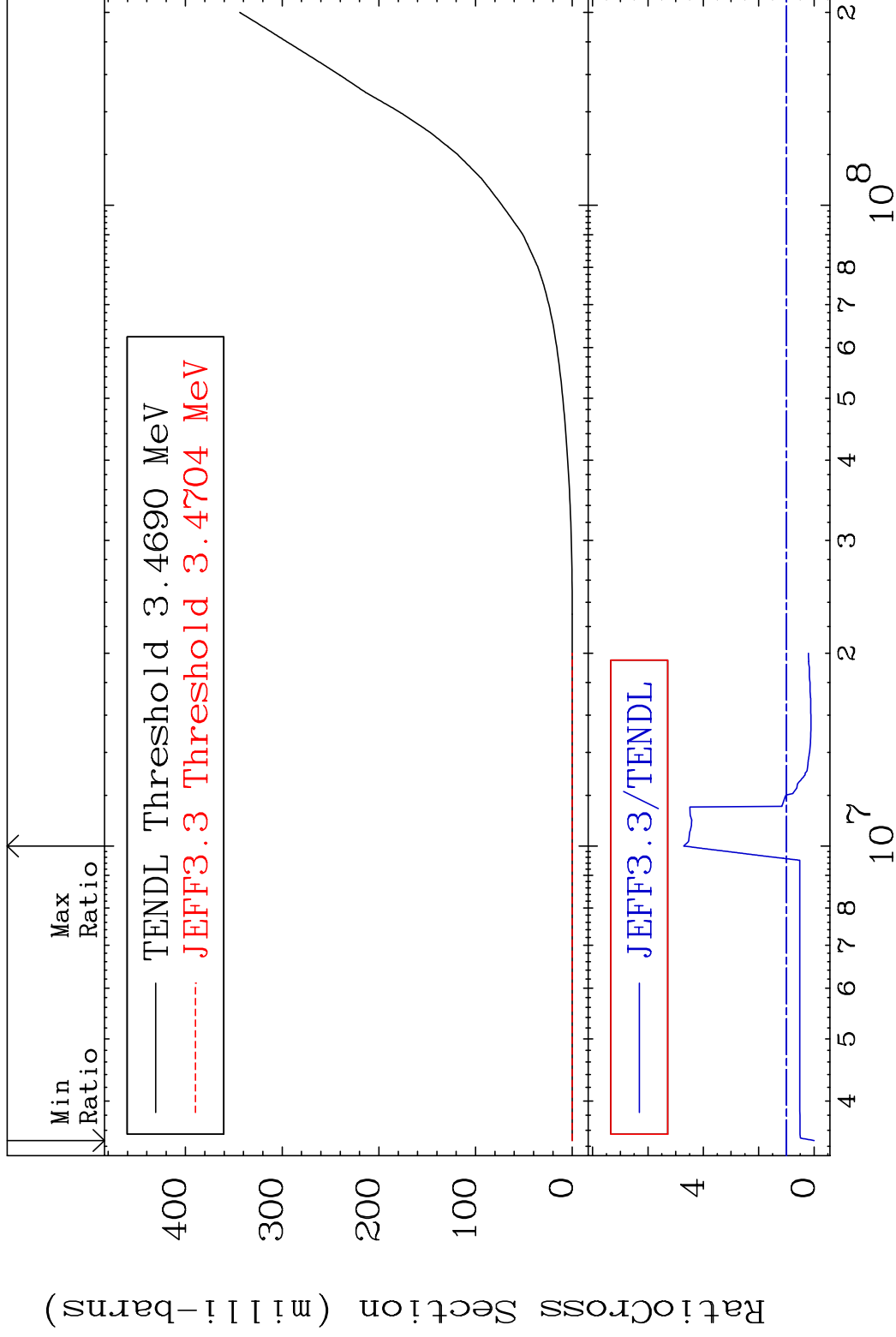
72-Hf-174

MAT 7225

He-3 Production

72-Hf-174

Cross Section -100.0 To 371.2 %



49

Incident Energy (eV)

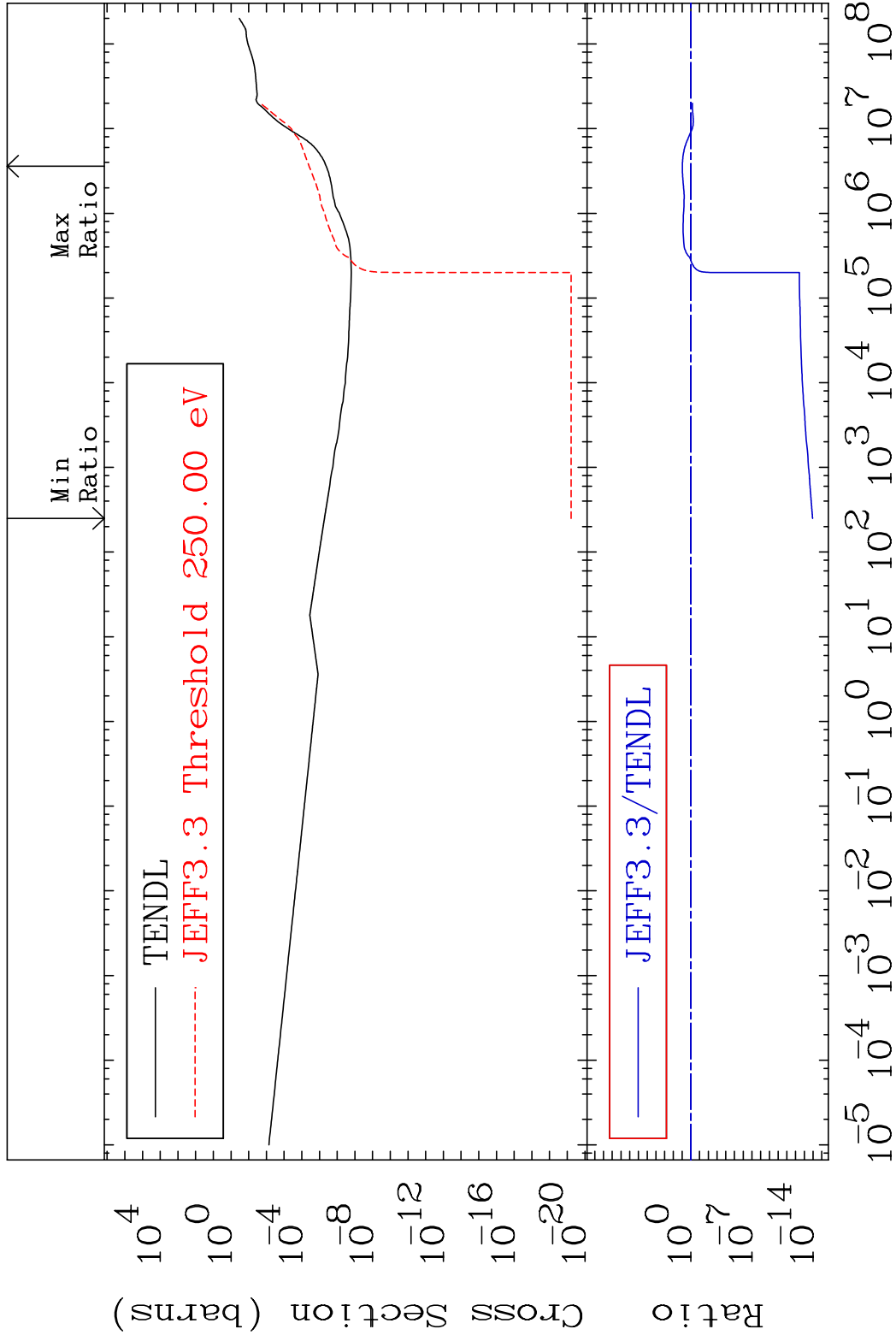
72-Hf-174

MAT 7225

He-4 Production

72-Hf-174

Cross Section -100.0 To 832.0 %

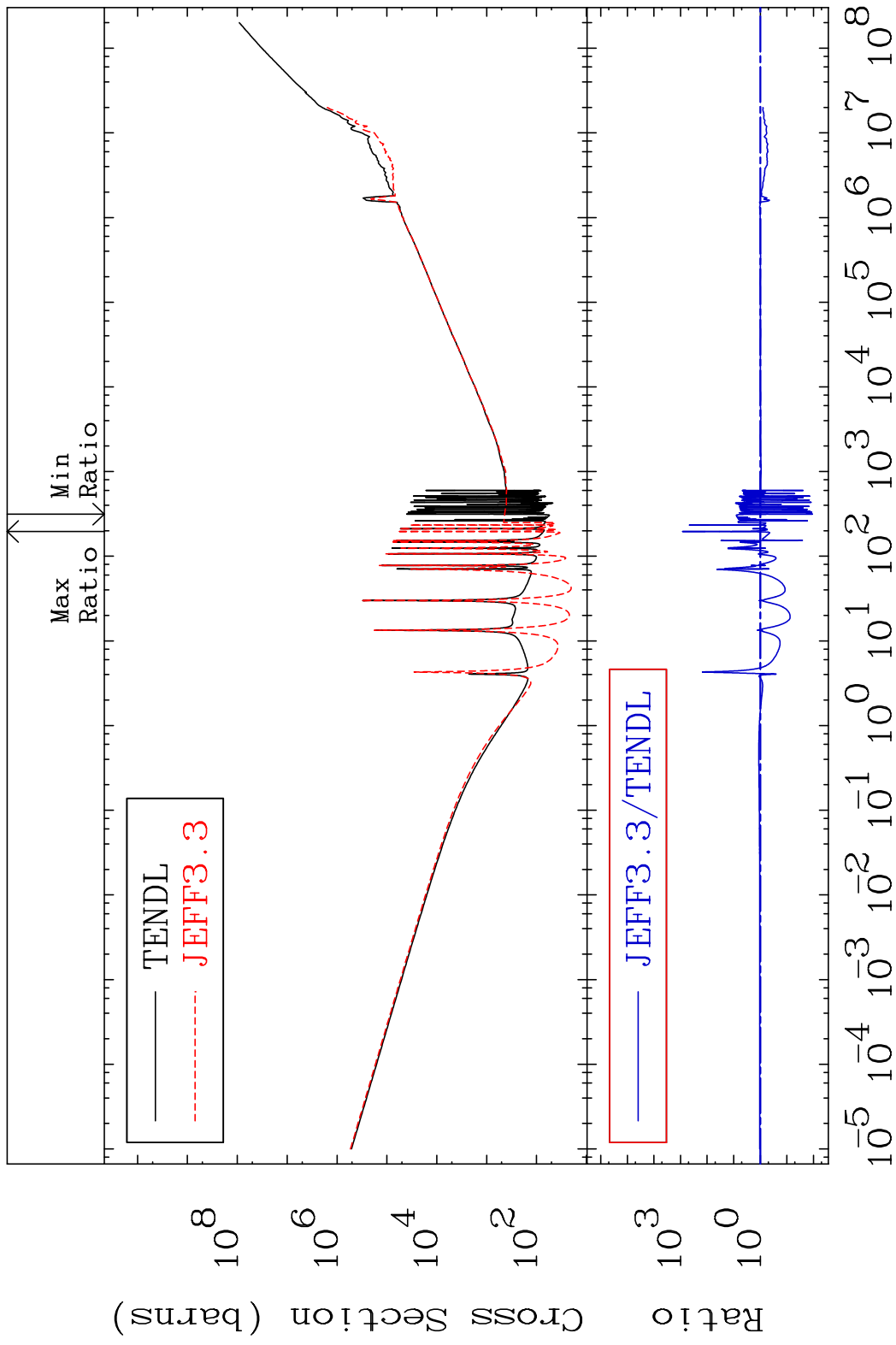


50

Incident Energy (eV)

72-Hf-174

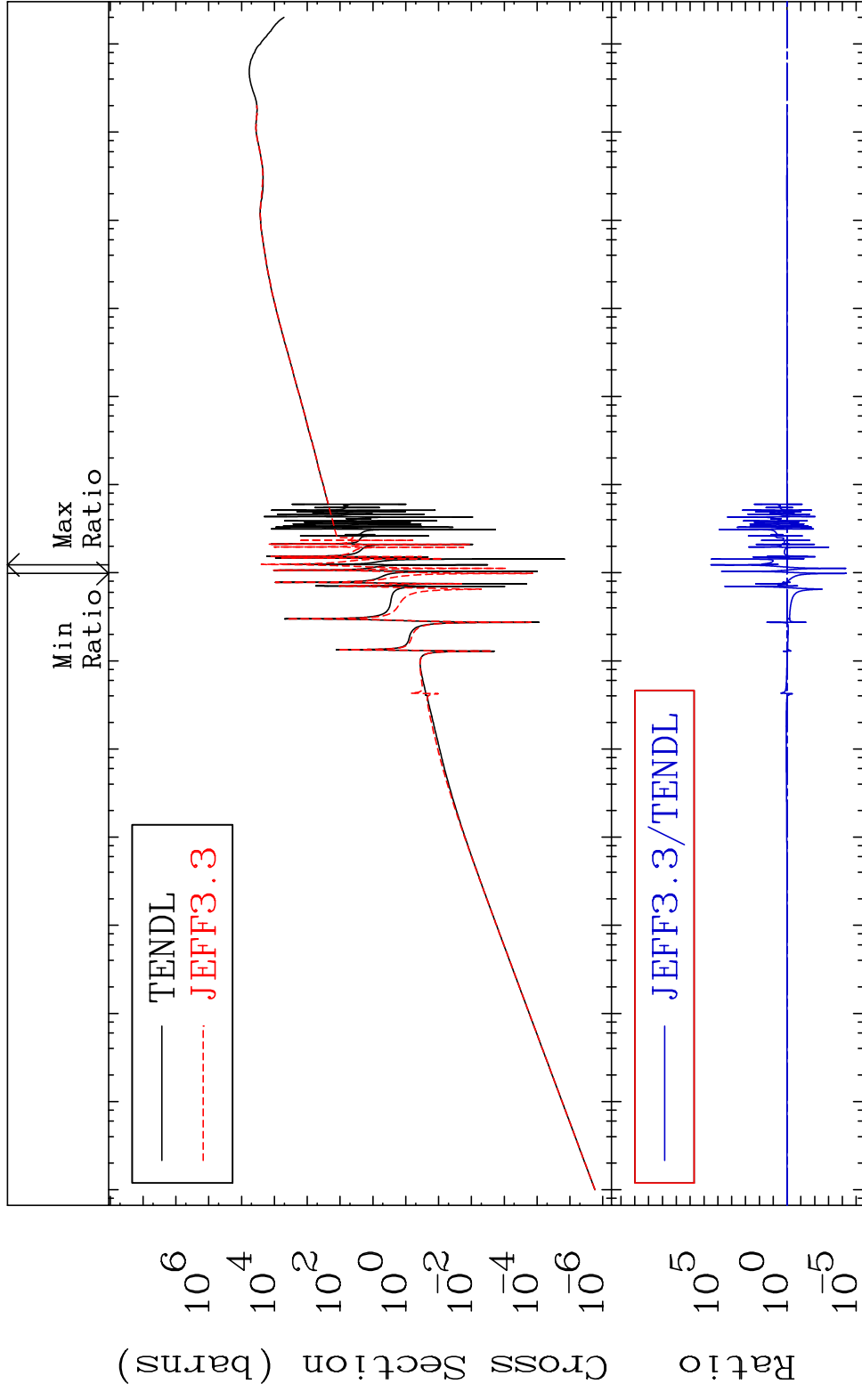
MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -98.91 To 9999. %



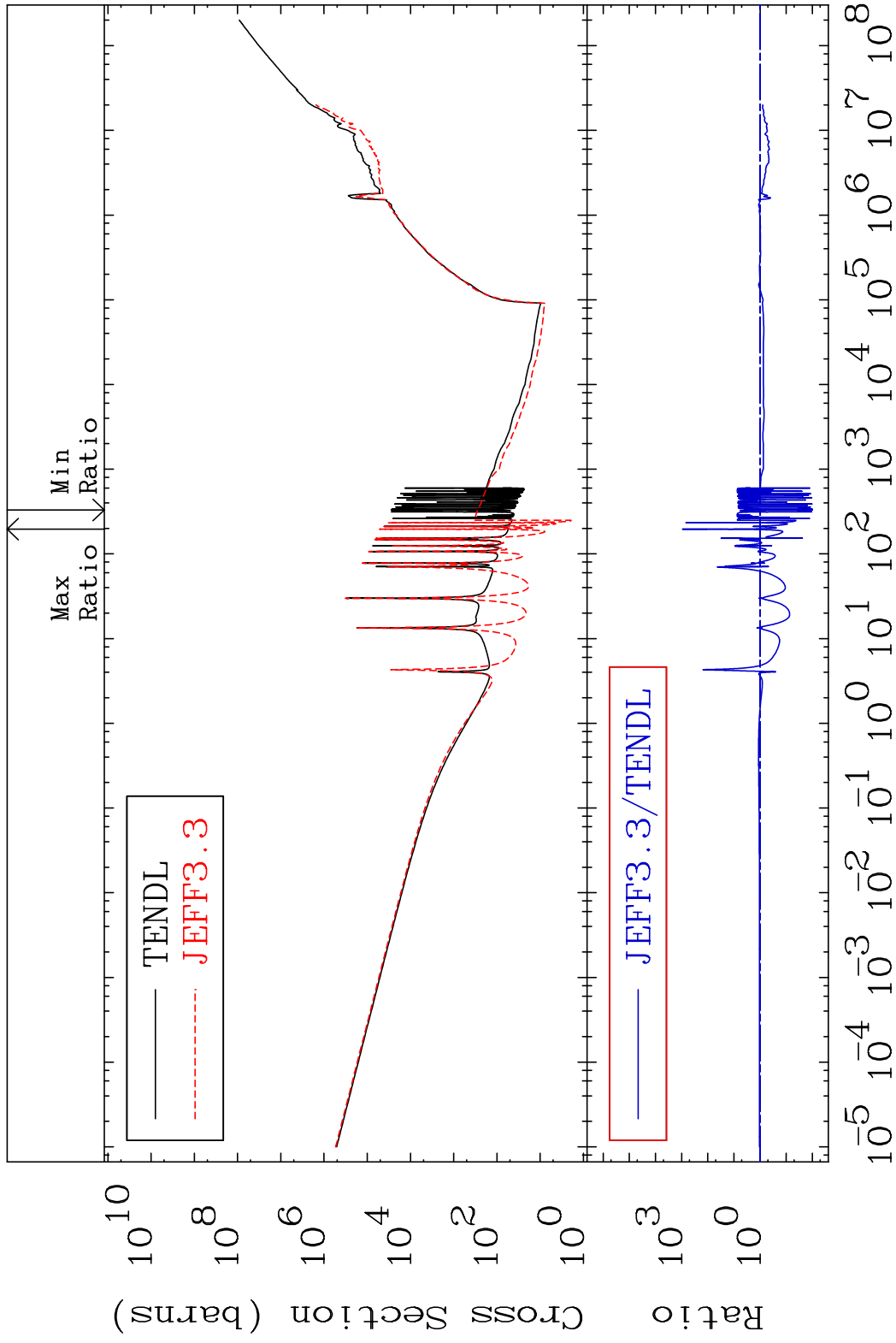
MAT 7225

Kerma elastic
Cross Section

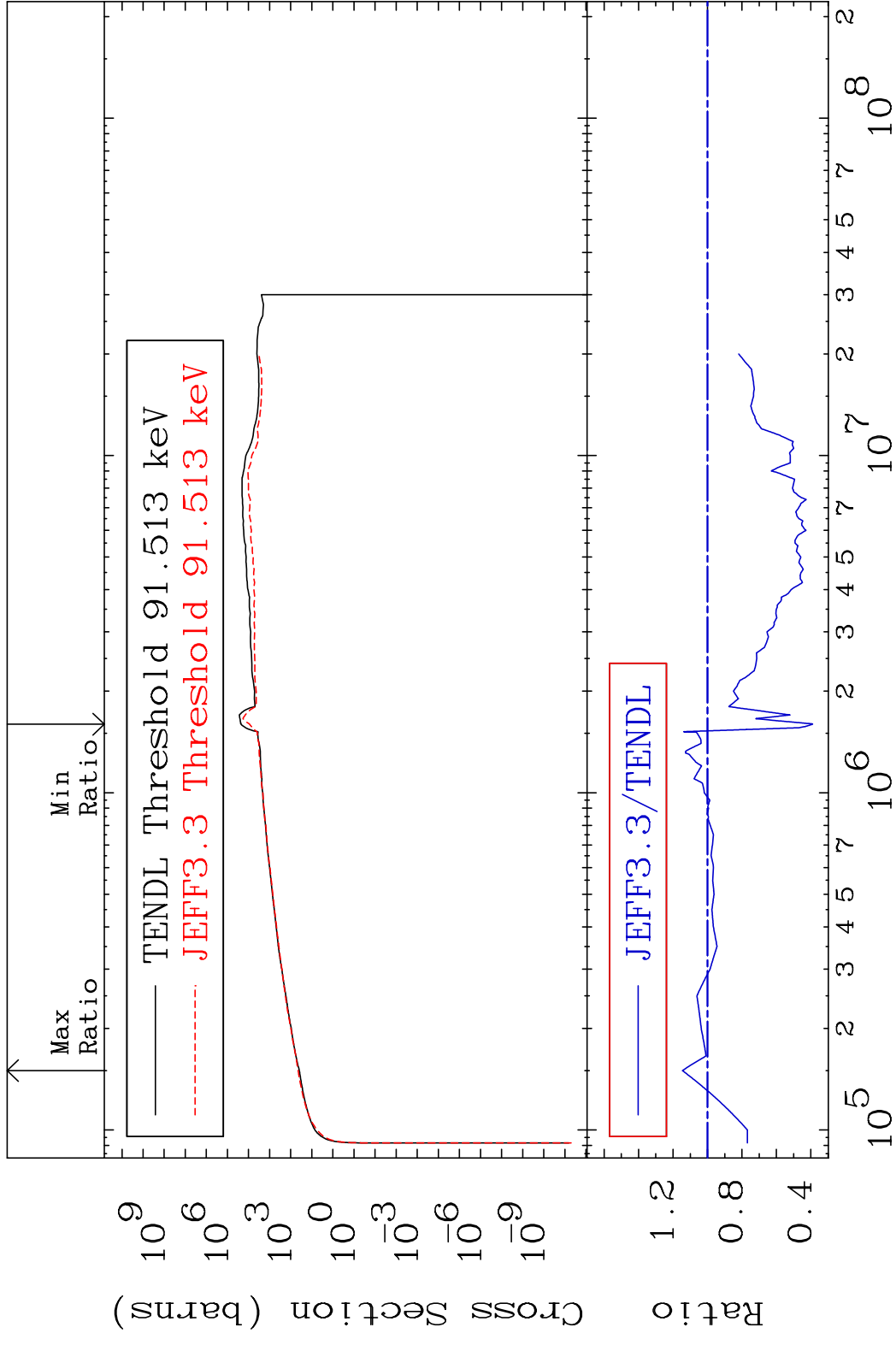
72-Hf-174
-99.99 To 9999. %



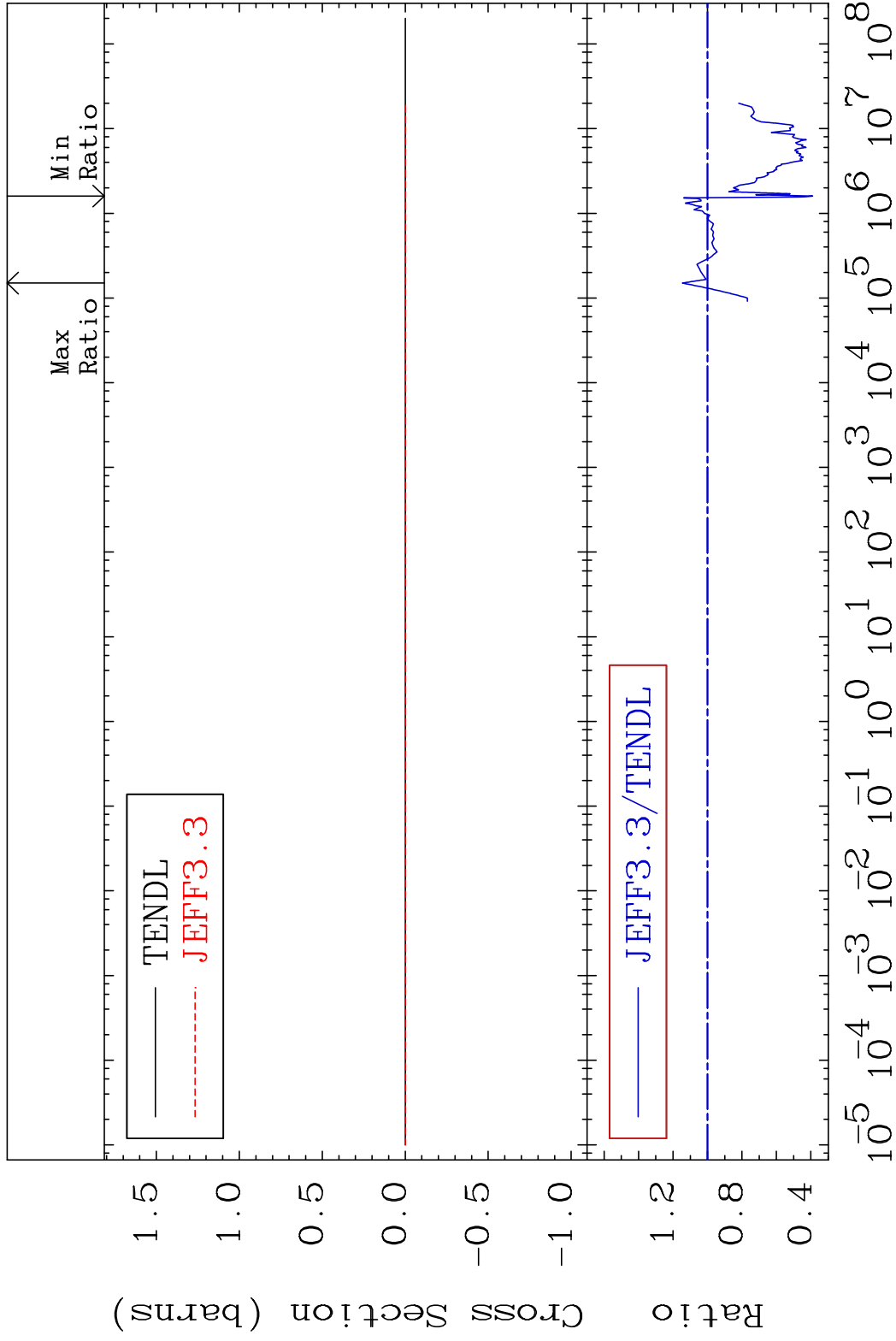
MAT 7225 Kerma non-elastic (all but mt2) 72-Hf-174
 Cross Section -99.02 To 9999. %



MAT 7225 Kerma inelastic (mt51-91) 72-Hf-174
 Cross Section -60.97 To 14.59 %



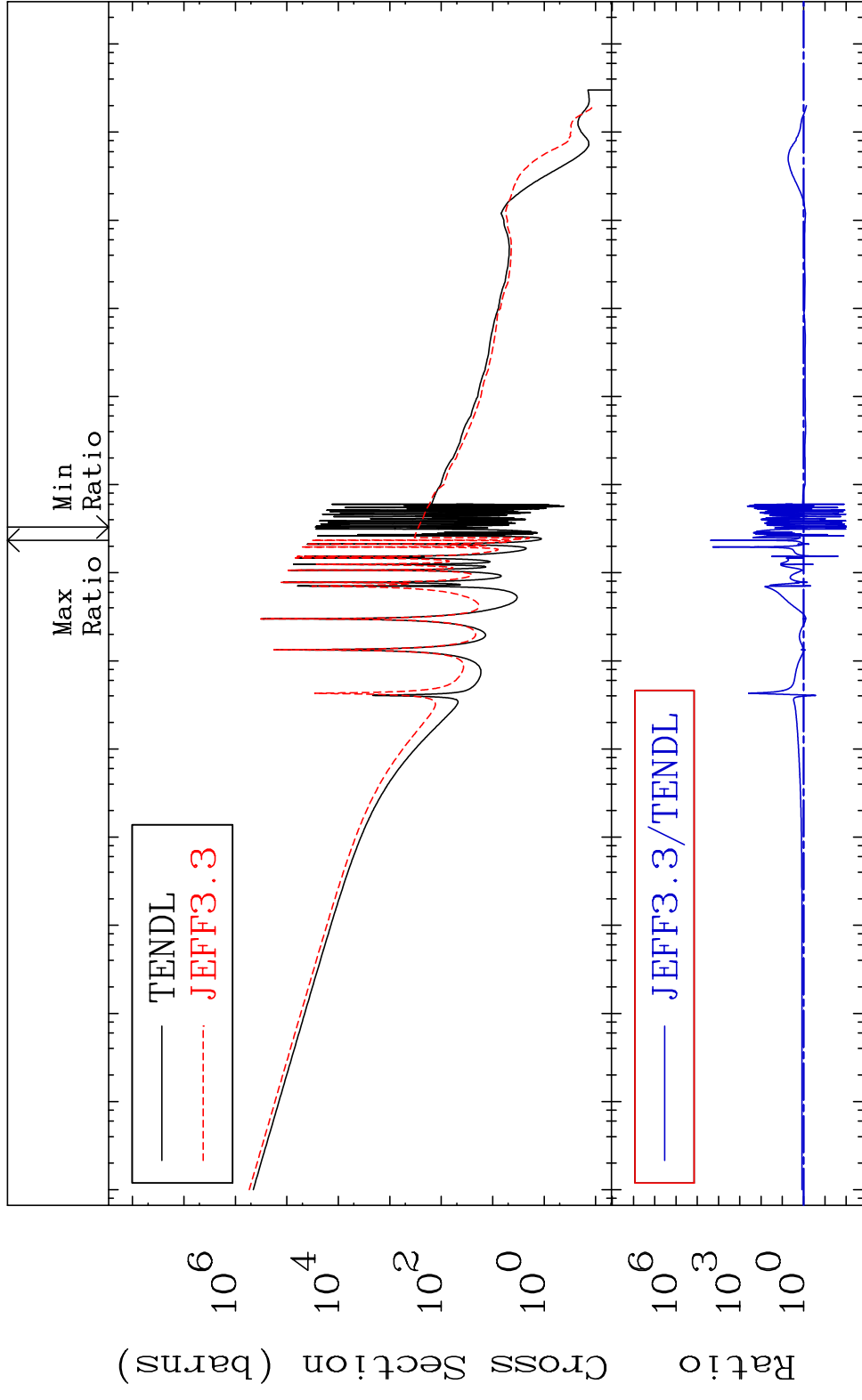
MAT 7225 Kerma fission (mt18 or mt19-20-21-38)72-Hf-174
 Cross Section -60.97 To 14.59 %



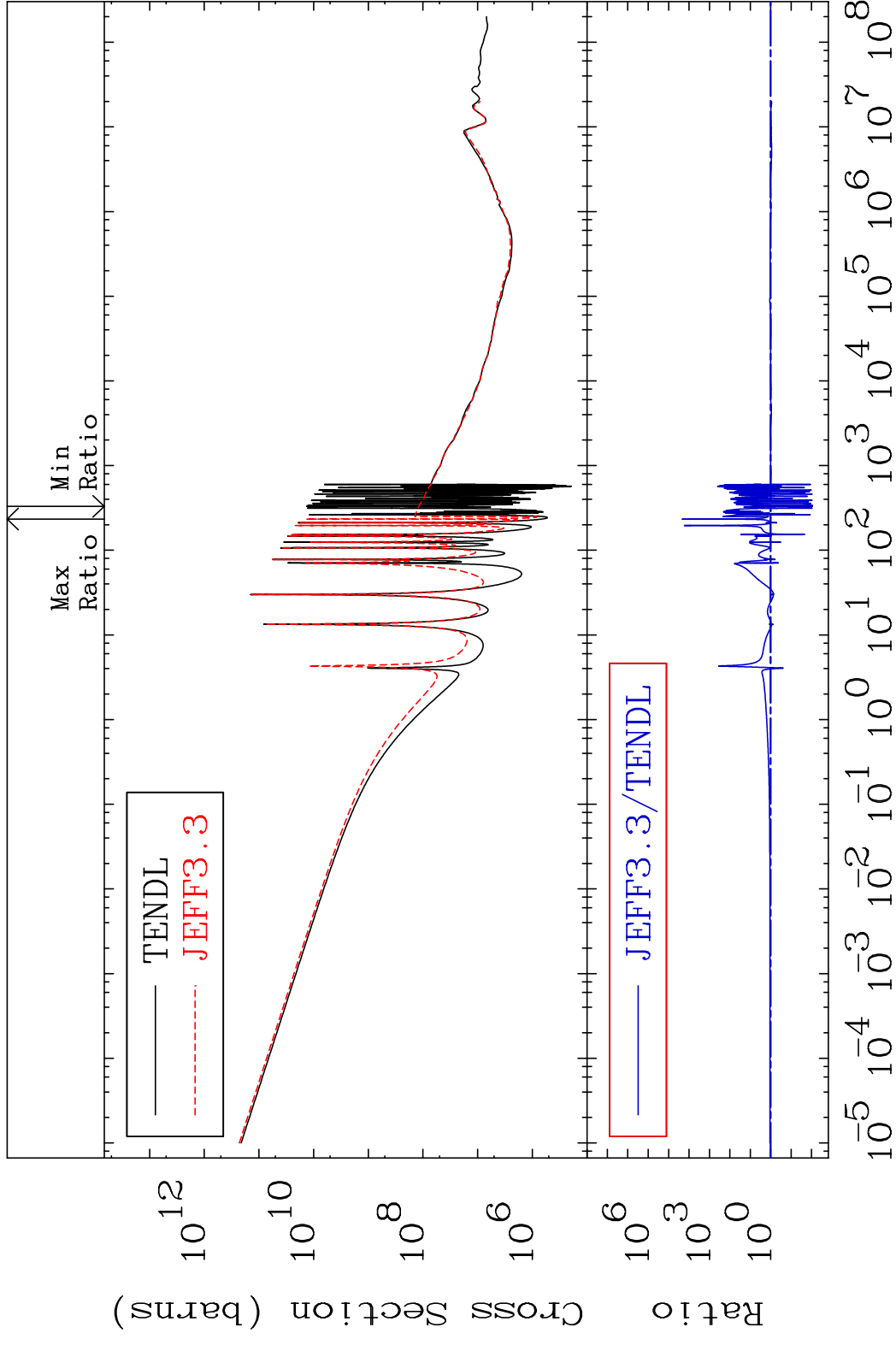
MAT 7225

Kerma capture (mt102) 72-Hf-174

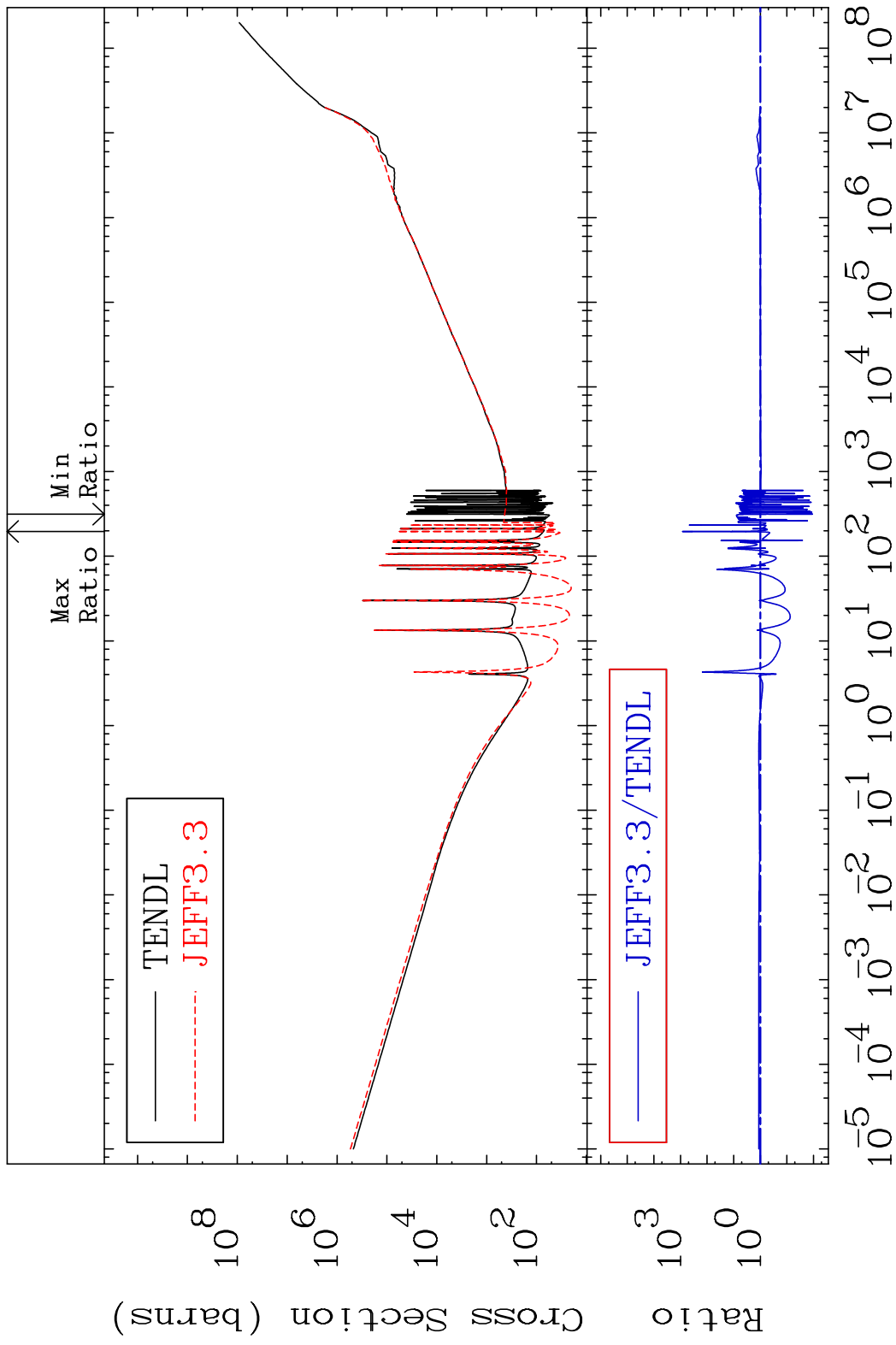
Cross Section -99.02 To 9999. %



MAT 7225 Total photon (eV-barns) 72-Hf-174
 Cross Section -99.11 To 9999. %



MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 Cross Section -98.91 To 9999. %

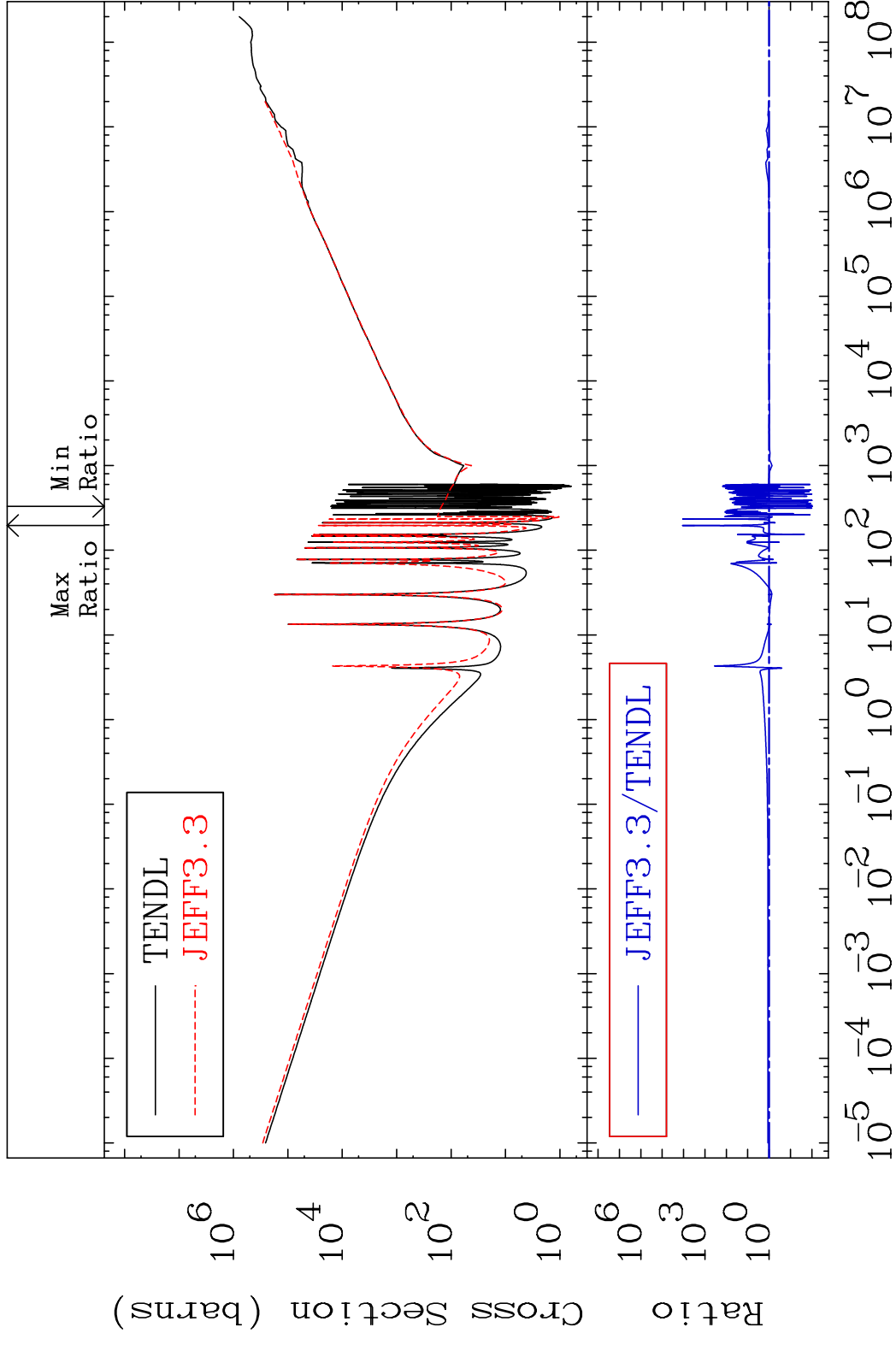


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -99.07 To 9999. %



59

Incident Energy (eV)

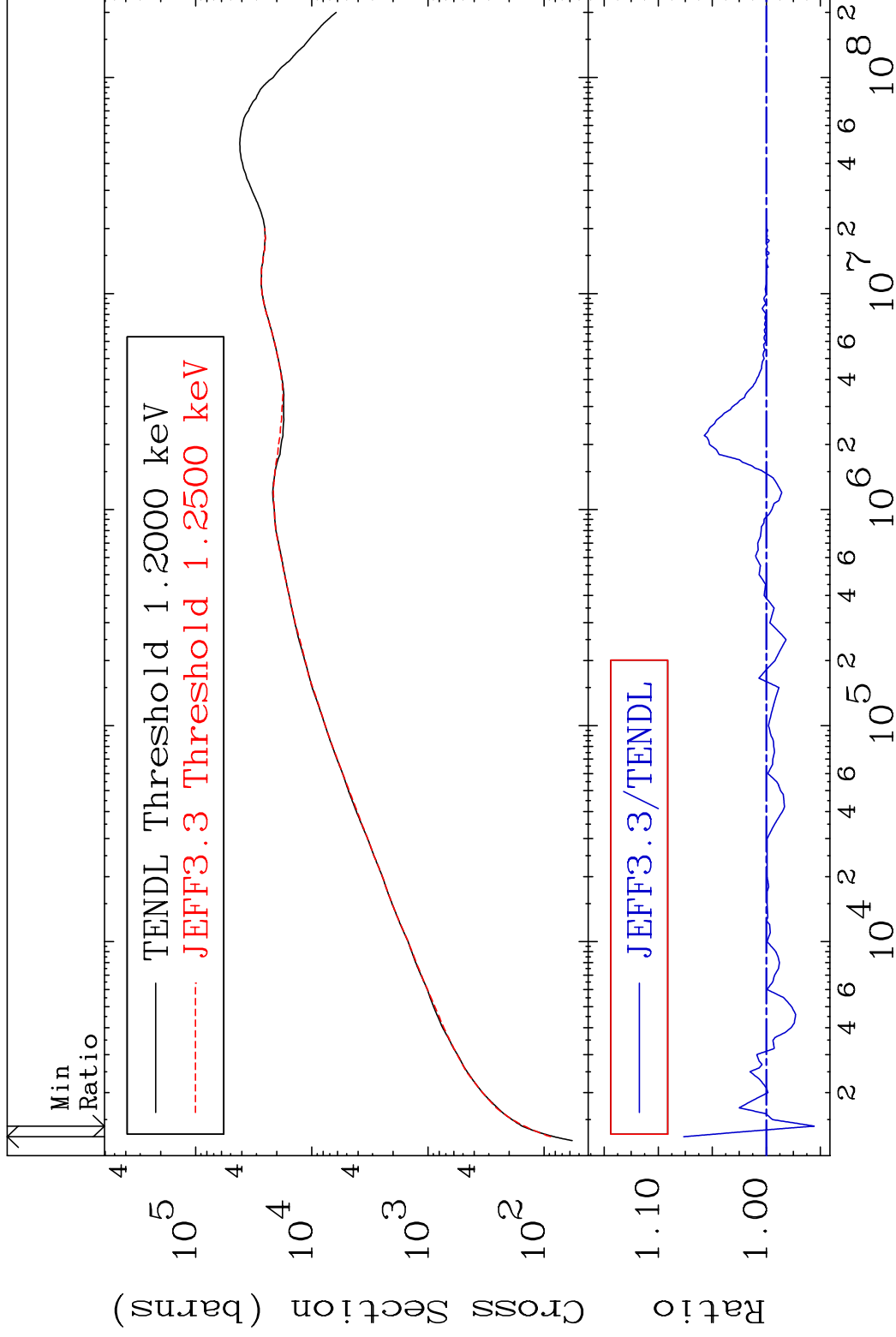
72-Hf-174

MAT 7225

Dpa elastic (mt2)

72-Hf-174

Cross Section -4.422 To 7.646 %

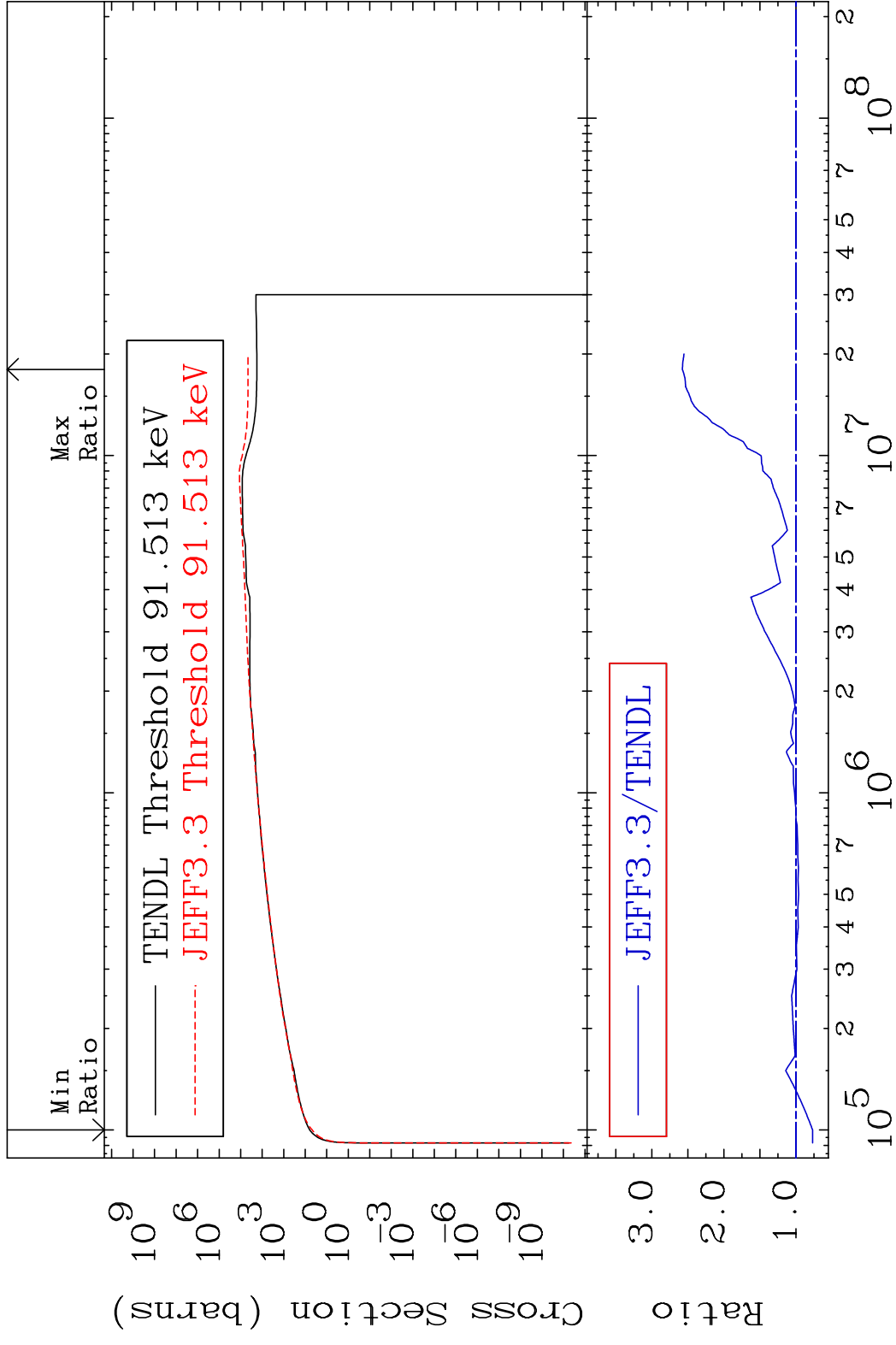


60

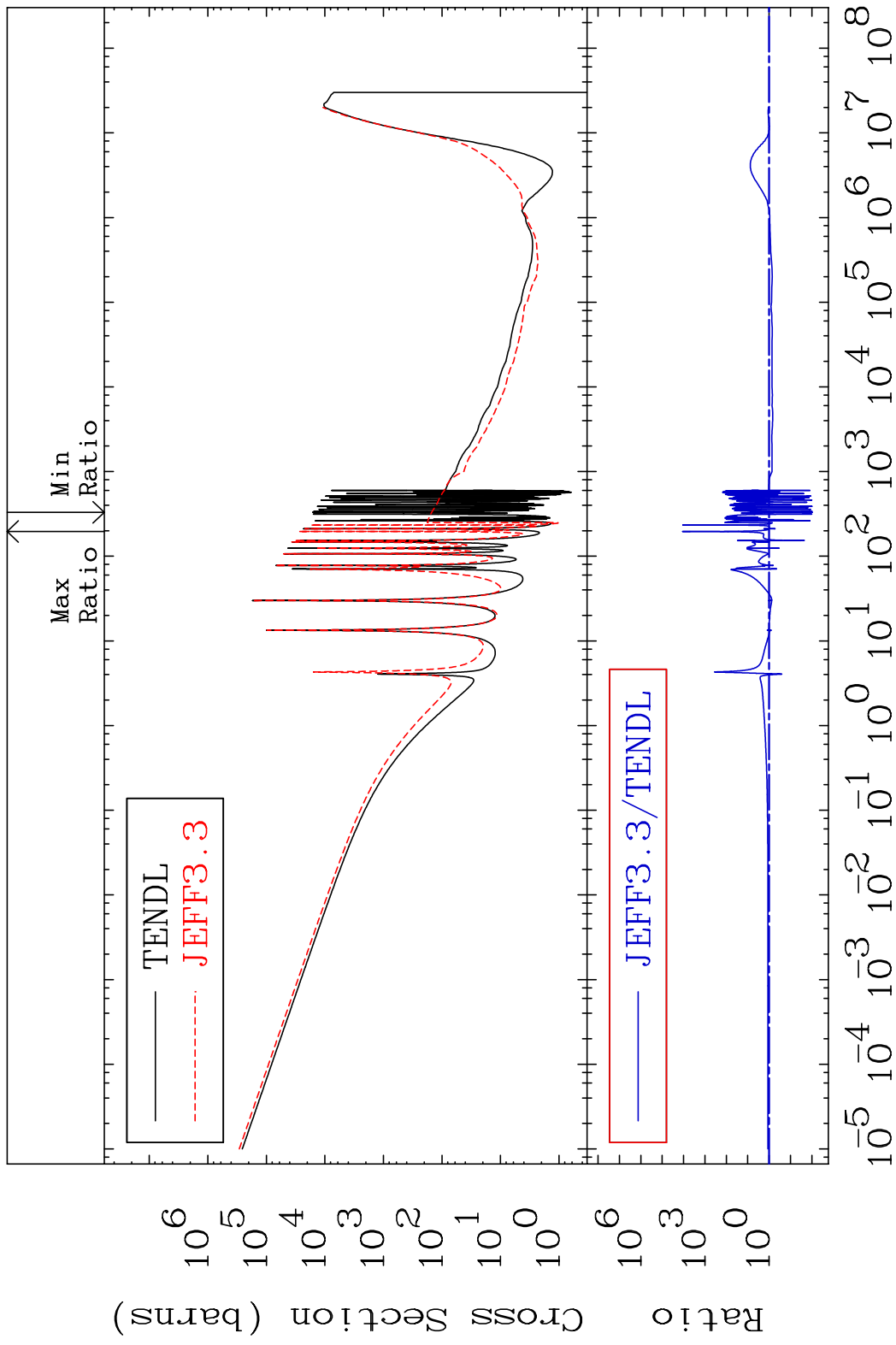
Incident Energy (eV)

72-Hf-174

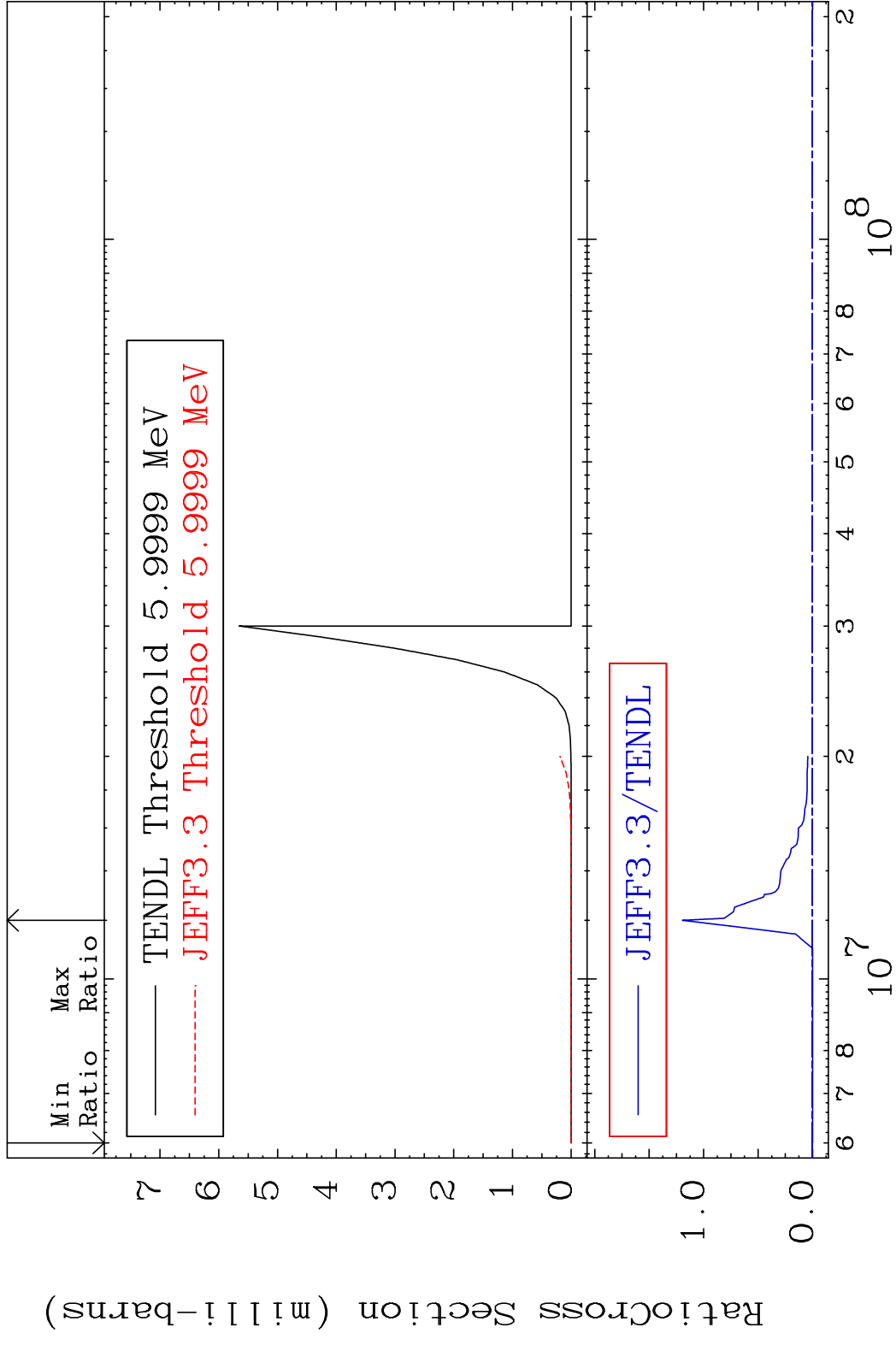
MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -23.16 To 157.7 %

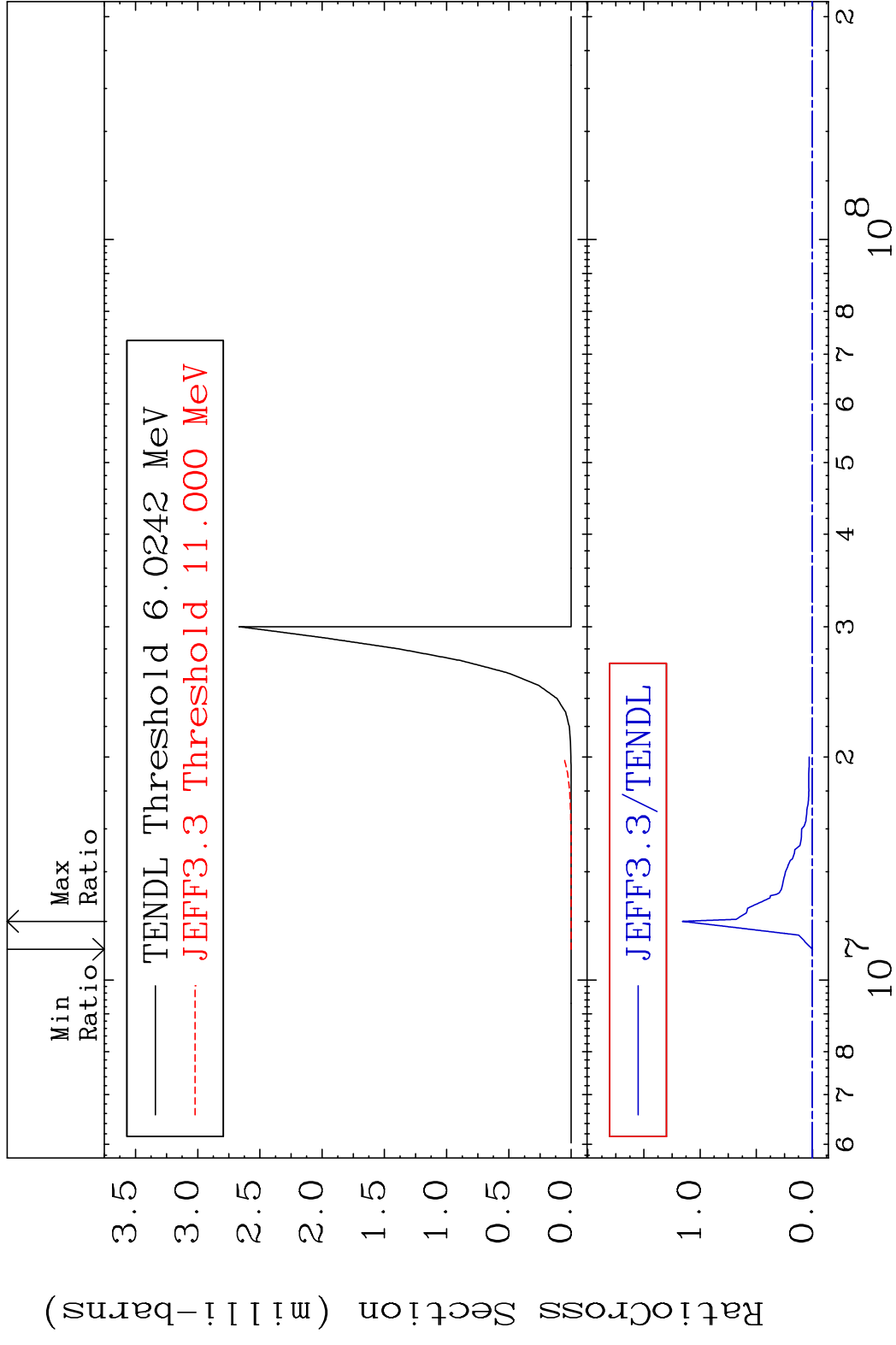


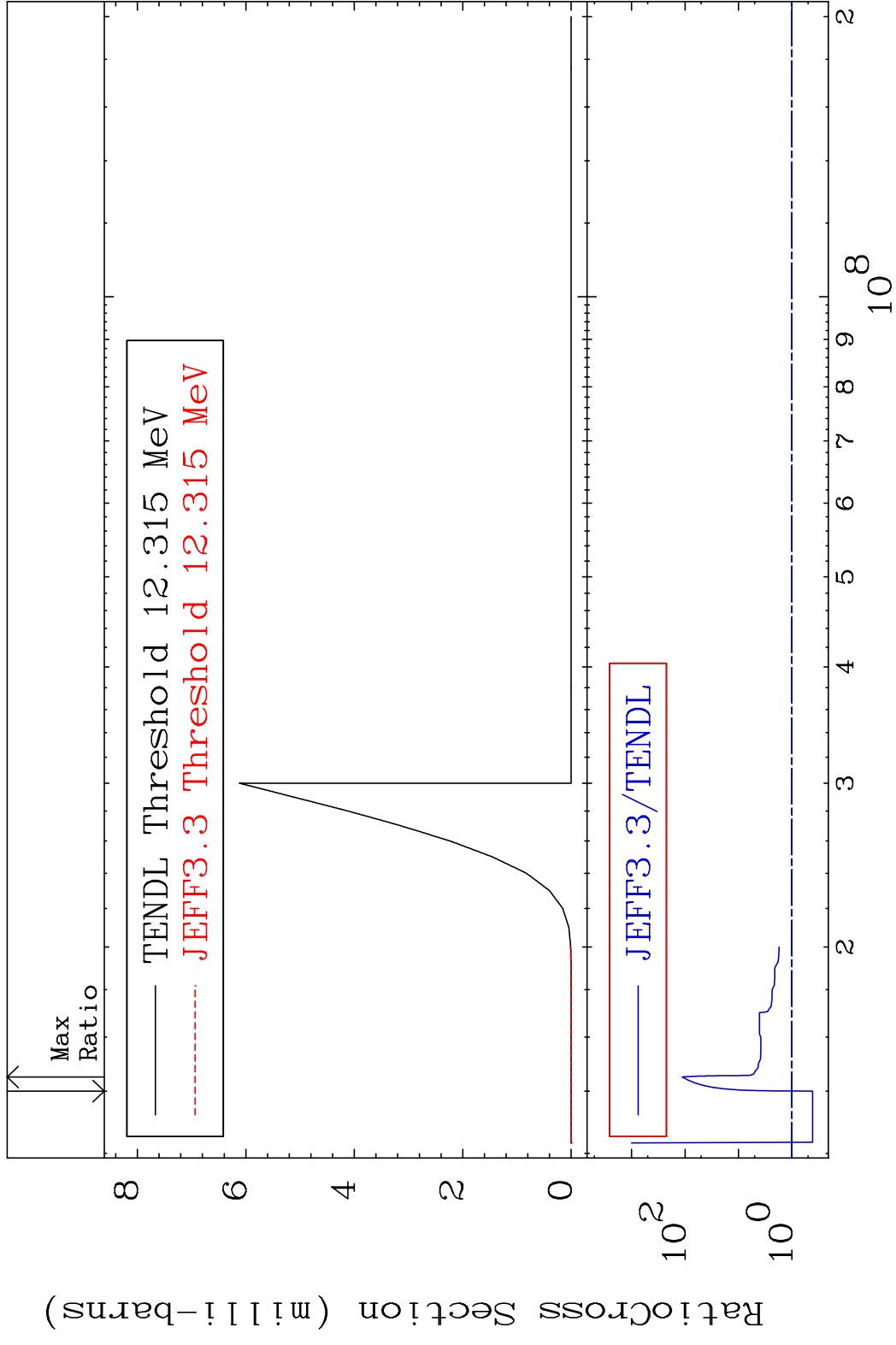
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -99.07 To 9999. %

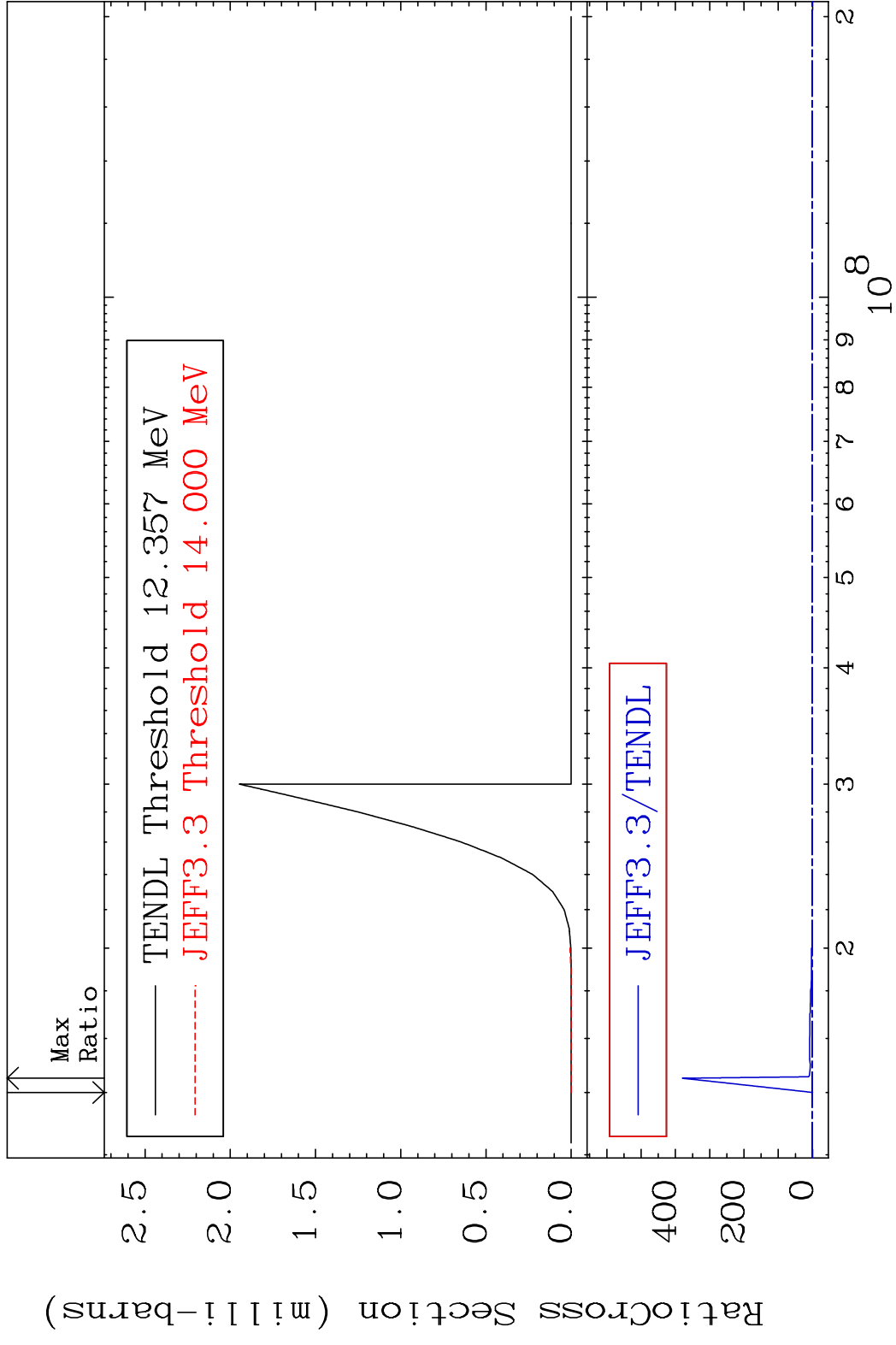


62 Incident Energy (eV) 72-Hf-174

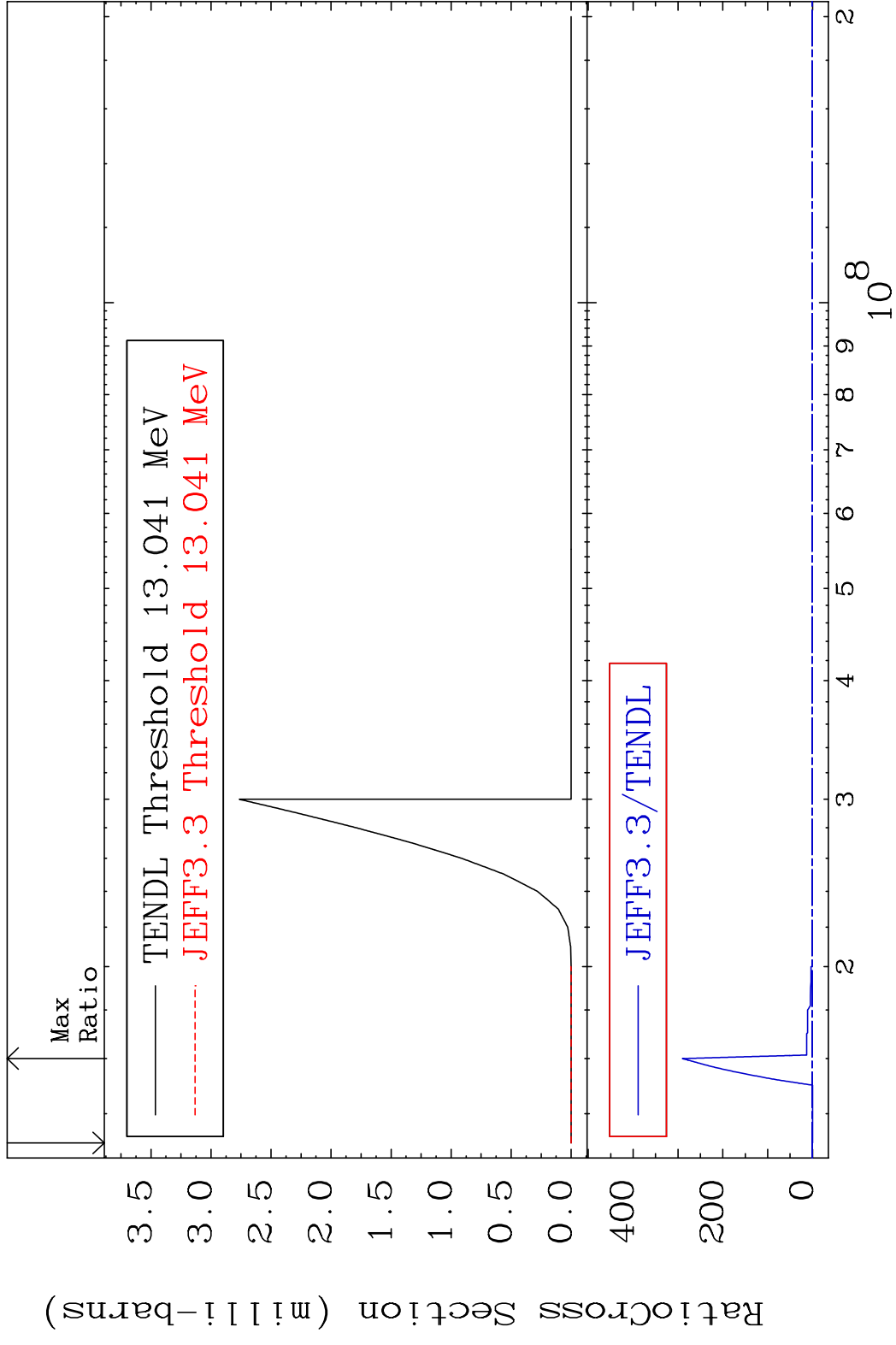


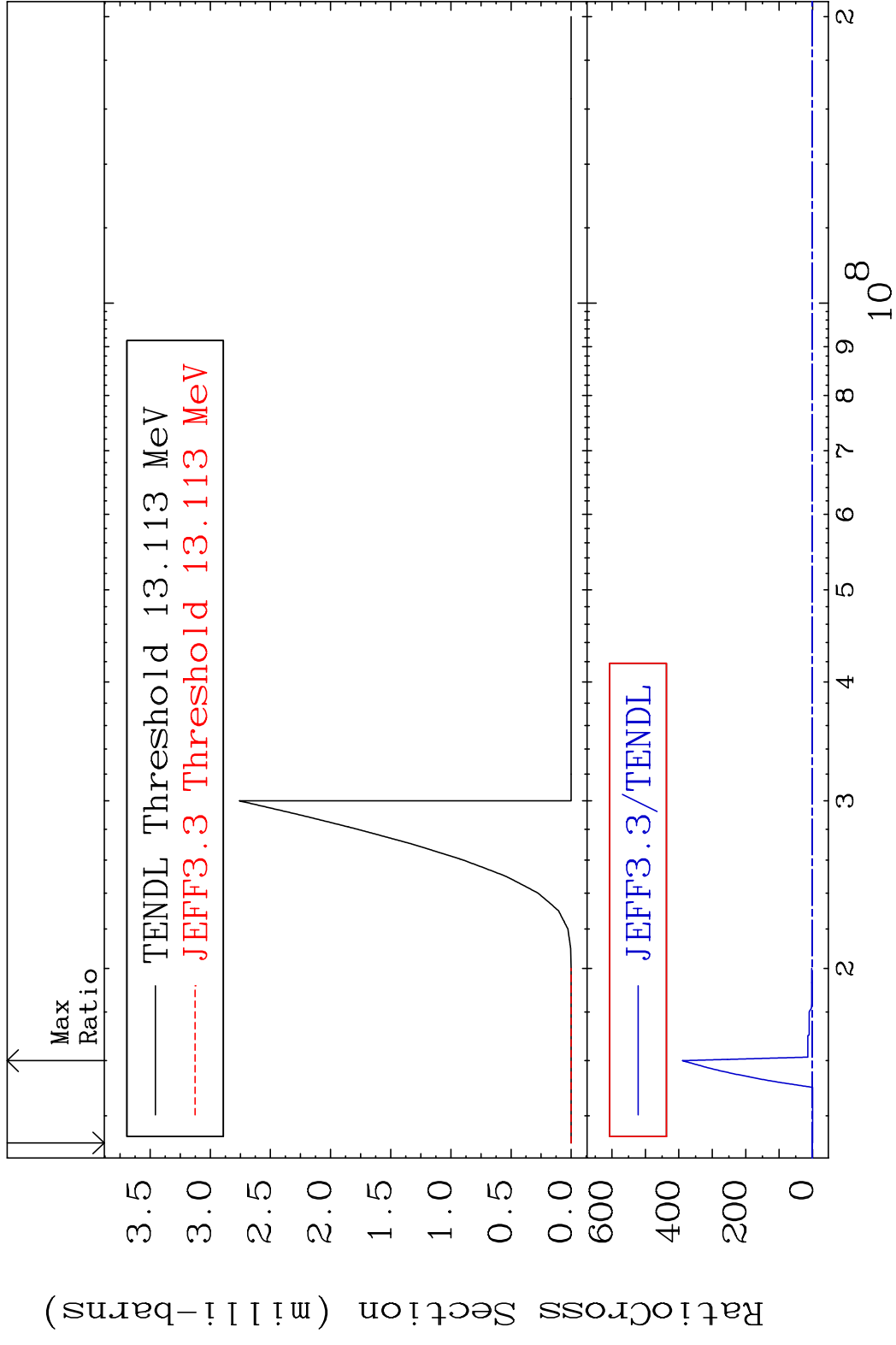


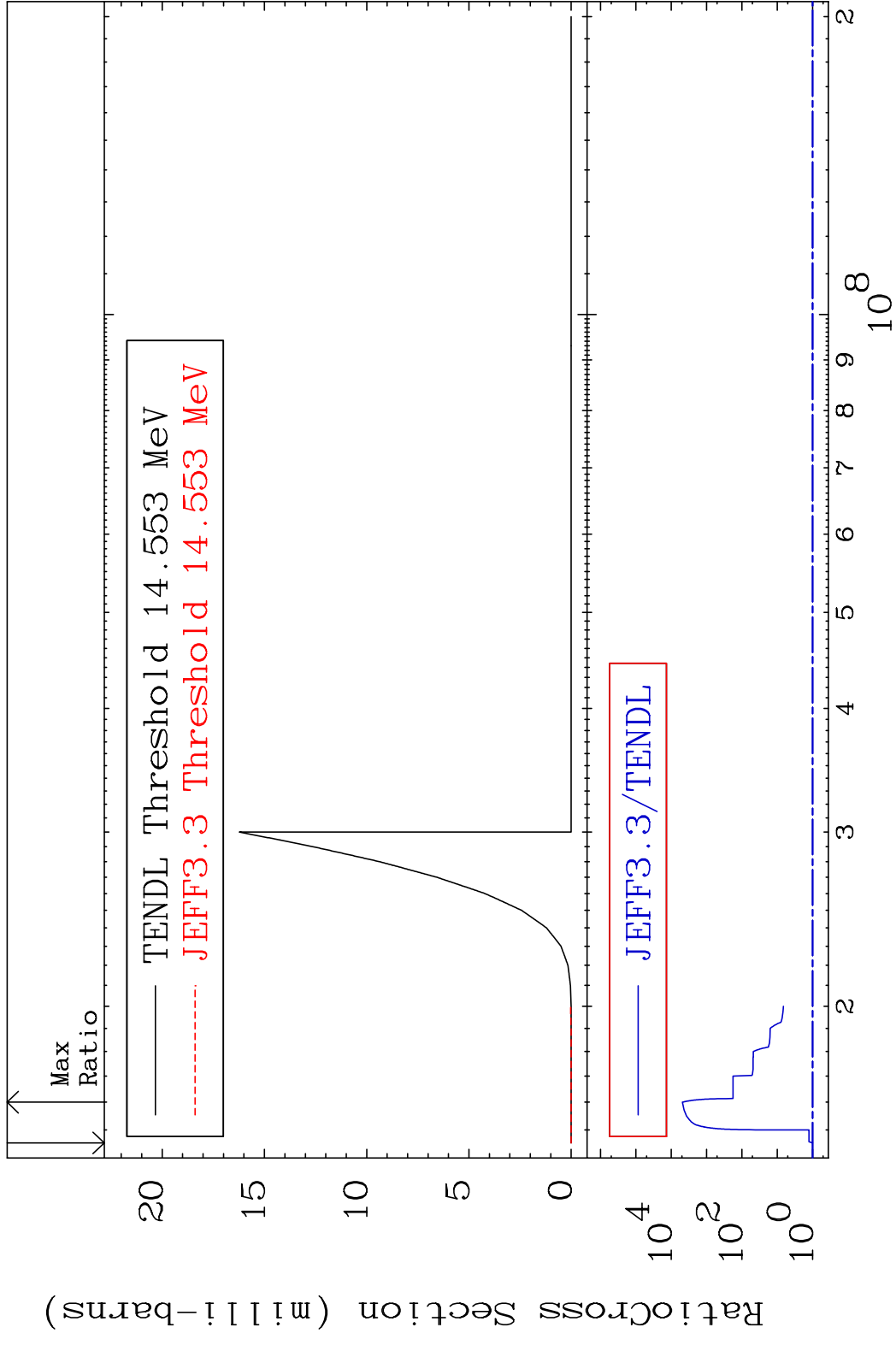


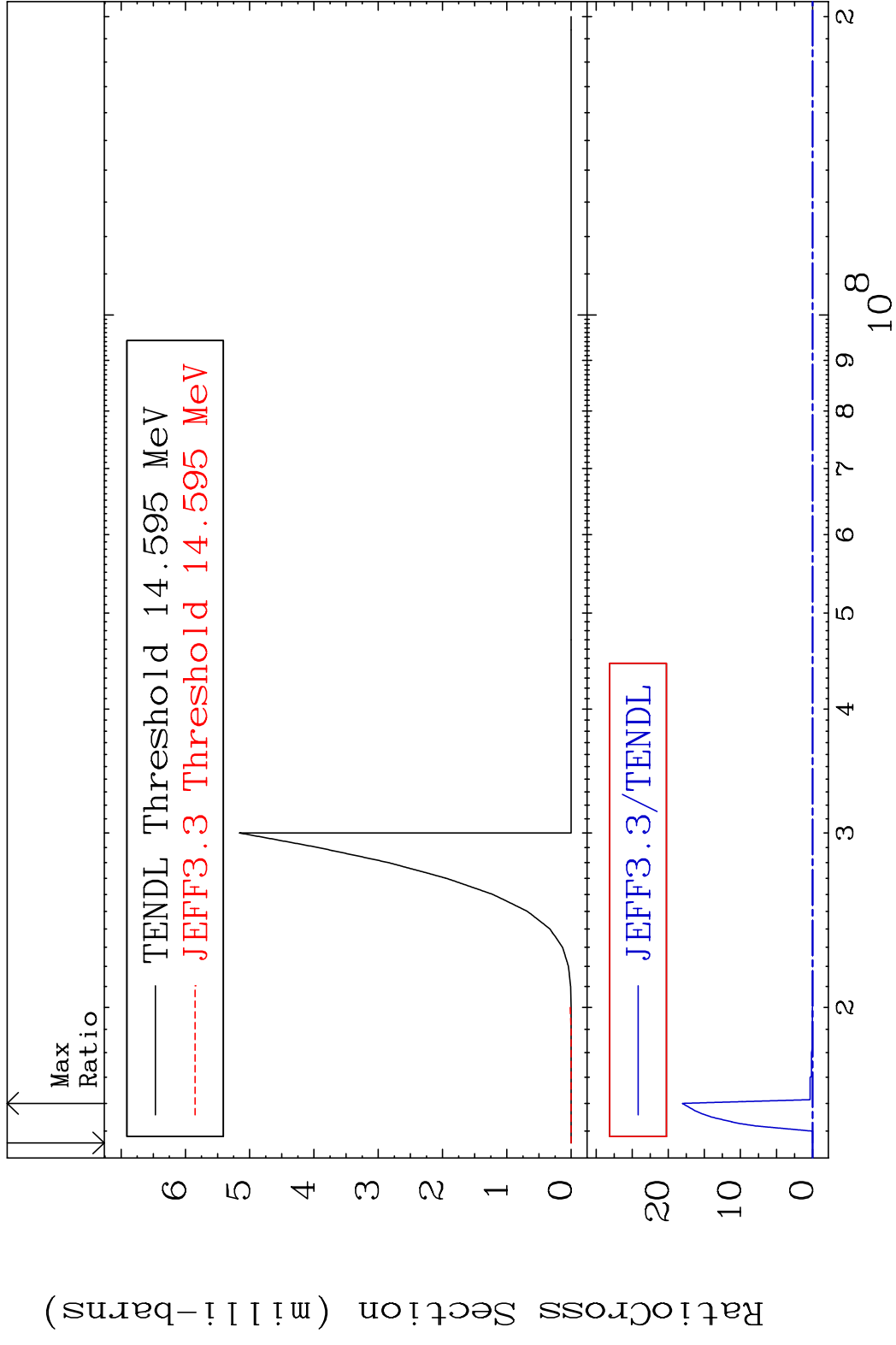


MAT 7225 (n, n') t:71-Lu-171g 72-Hf-174
 Radionuclide Production Cross Section Ratio 9999. %









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

