

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

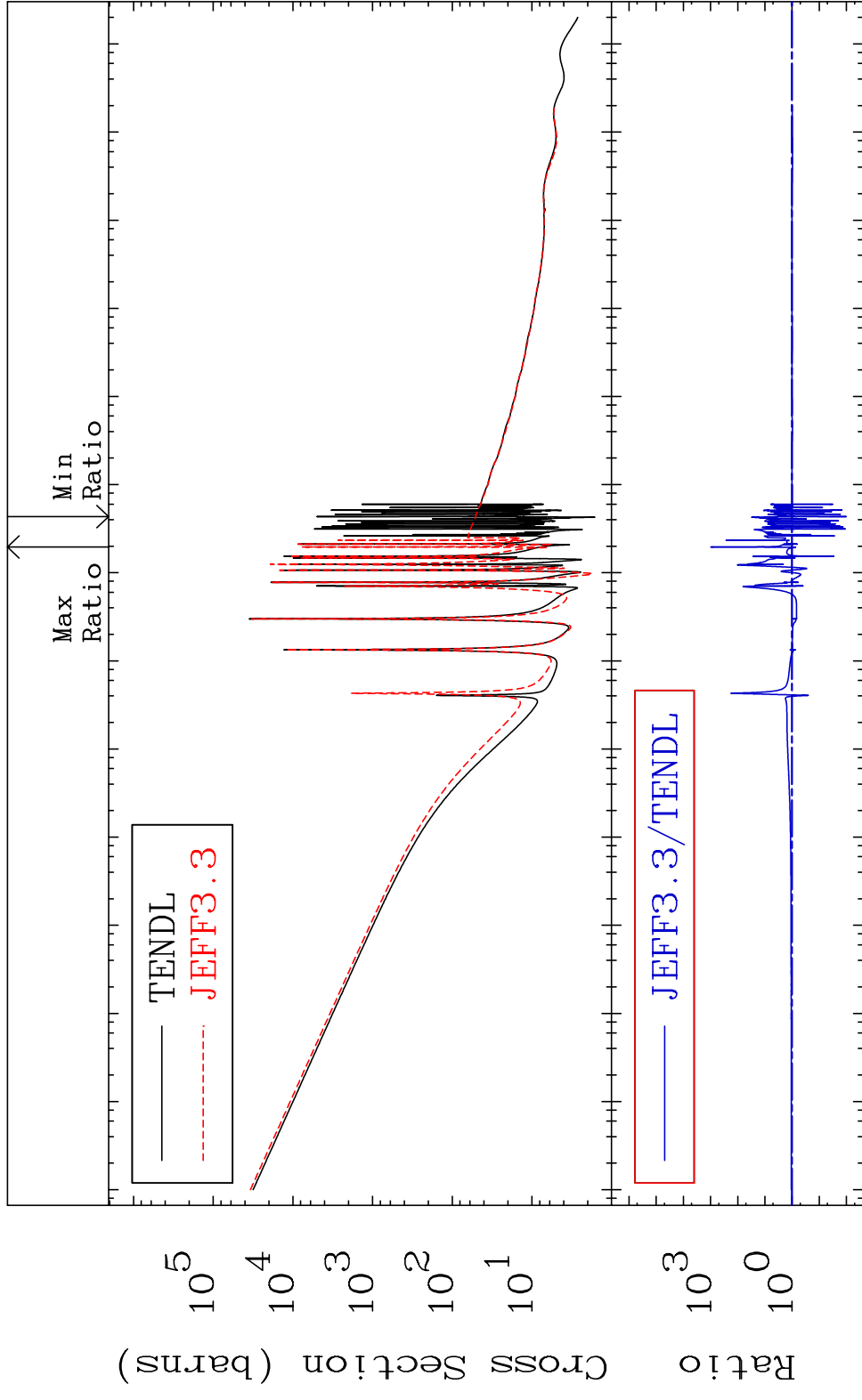
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7225

Total Cross Section -98.99 To 9999. %
72-Hf-174



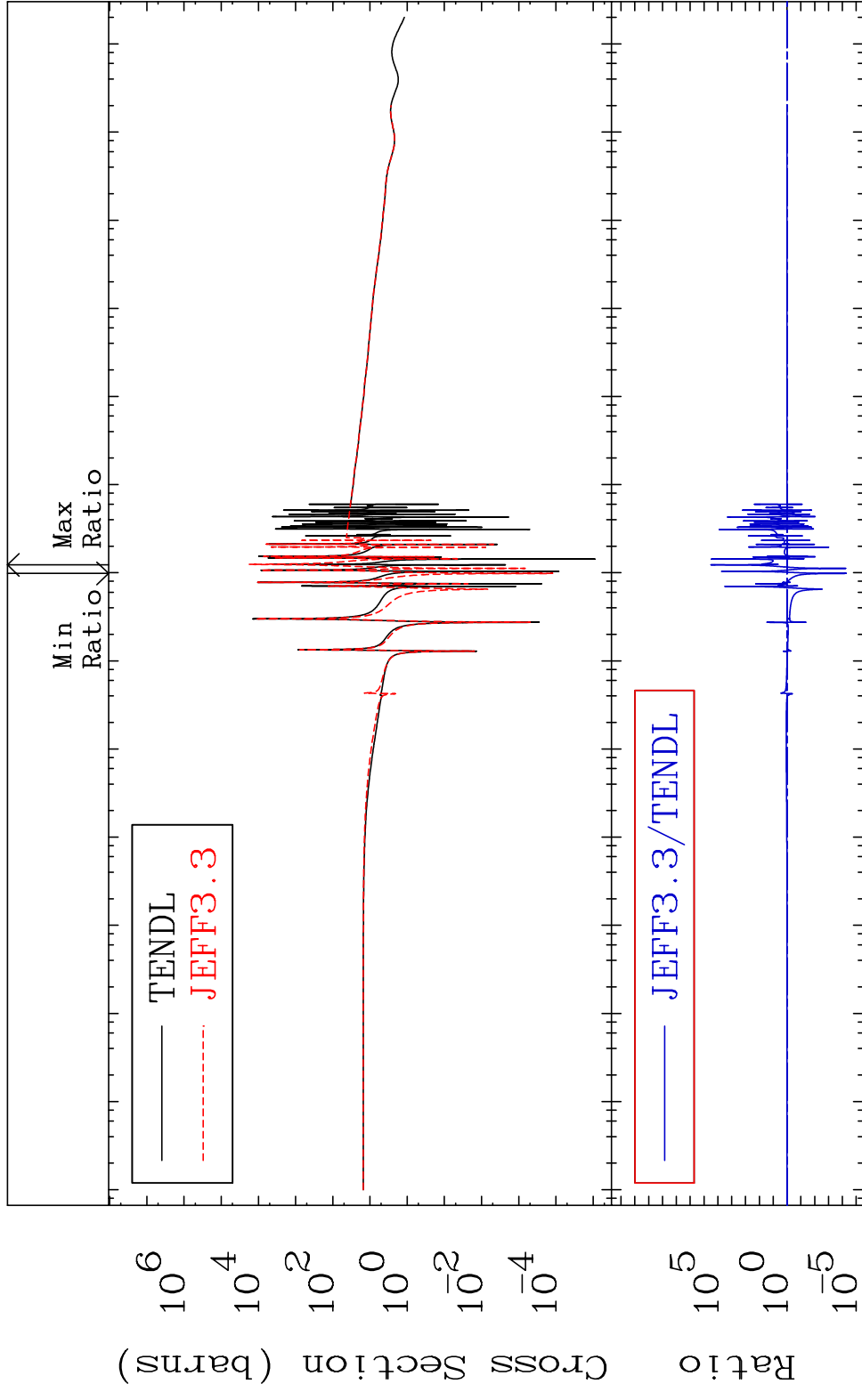
1 Incident Energy (eV) 72-Hf-174

MAT 7225

72-Hf-174

Elastic

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

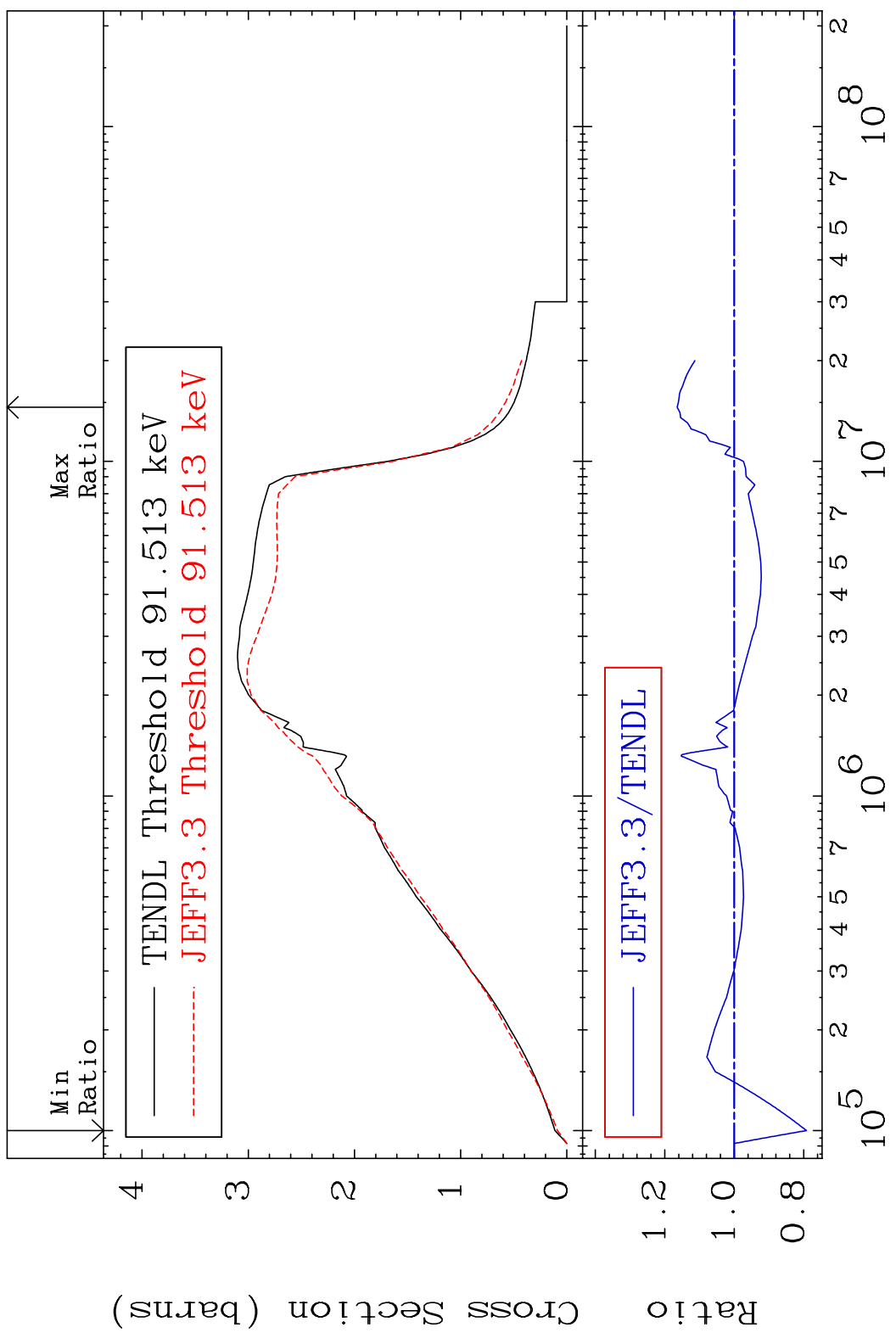
72-Hf-174

MAT 7225

Inelastic

72-Hf-174

Cross Section -20.79 To 16.44 %



3

Incident Energy (eV)

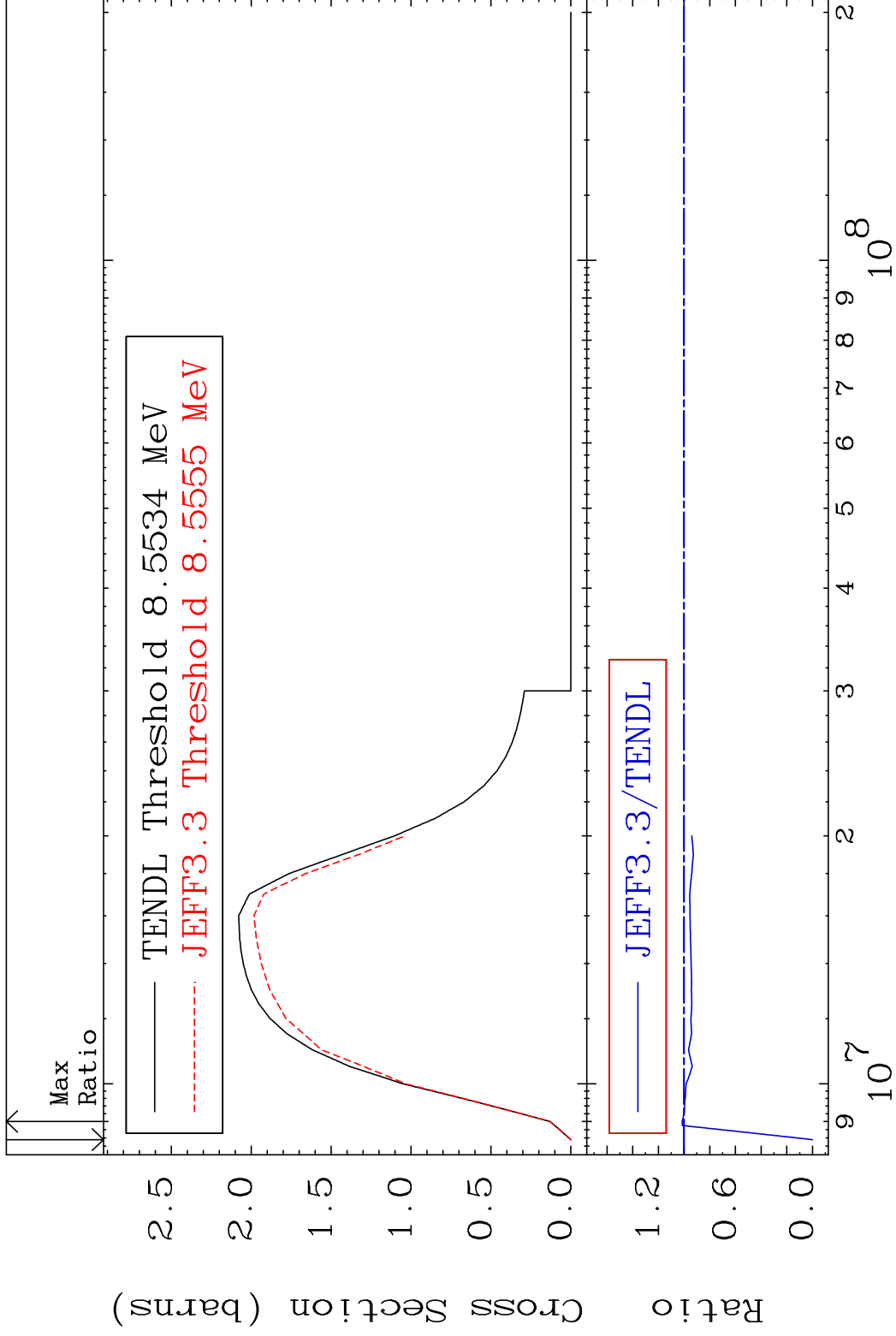
72-Hf-174

MAT 7225

(n,2n)

72-Hf-174

Cross Section -100.0 To 1.486 %



4

Incident Energy (eV)

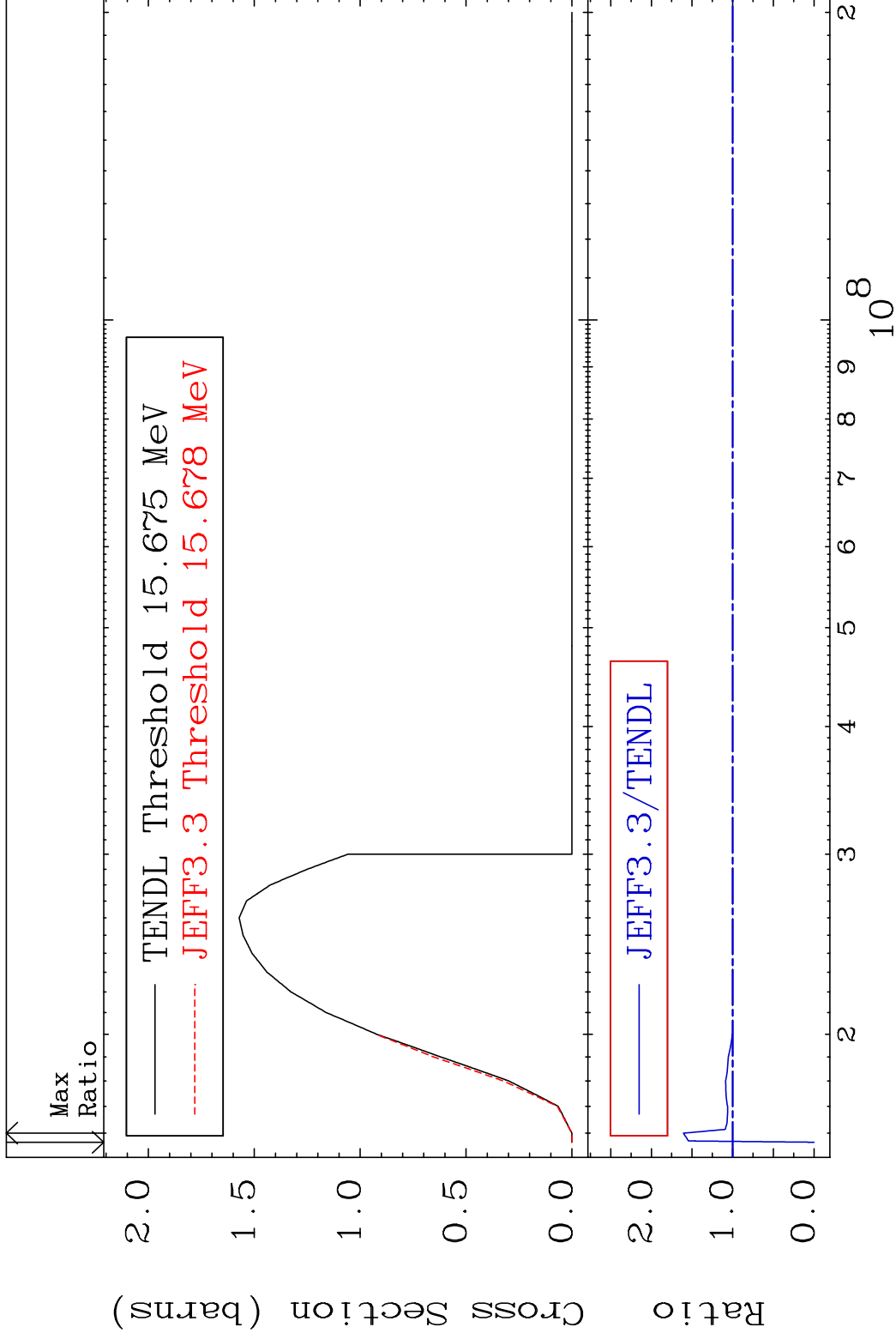
72-Hf-174

MAT 7225

(n,3n)

72-Hf-174

Cross Section -100.0 To 60.55 %



5

Incident Energy (eV)

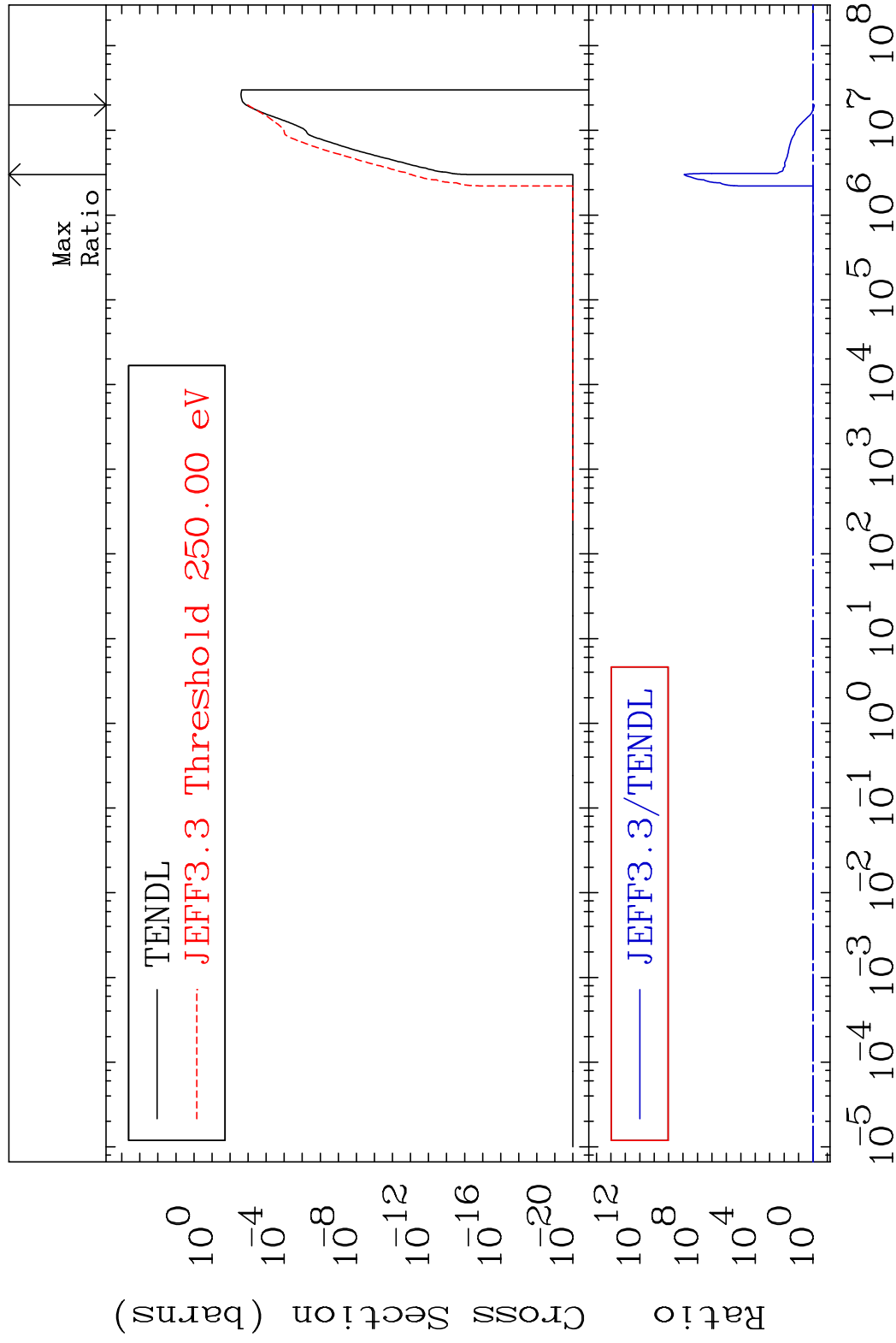
72-Hf-174

MAT 7225

(n, n') α

72-Hf-174

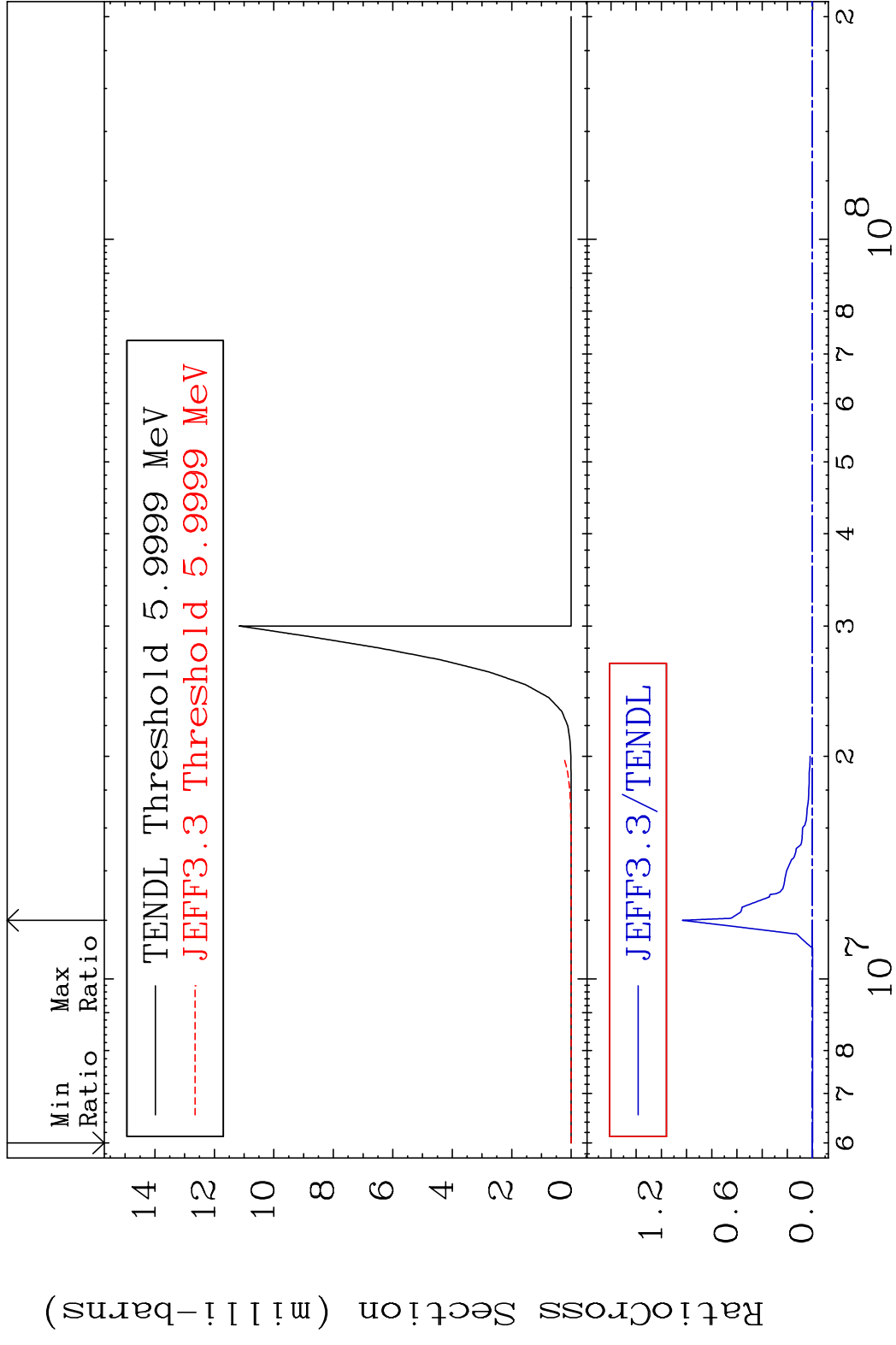
Cross Section -18.42 To 9999. %



MAT 7225

(n,2n) α 72-Hf-174

Cross Section -100.0 To 9999. %



7

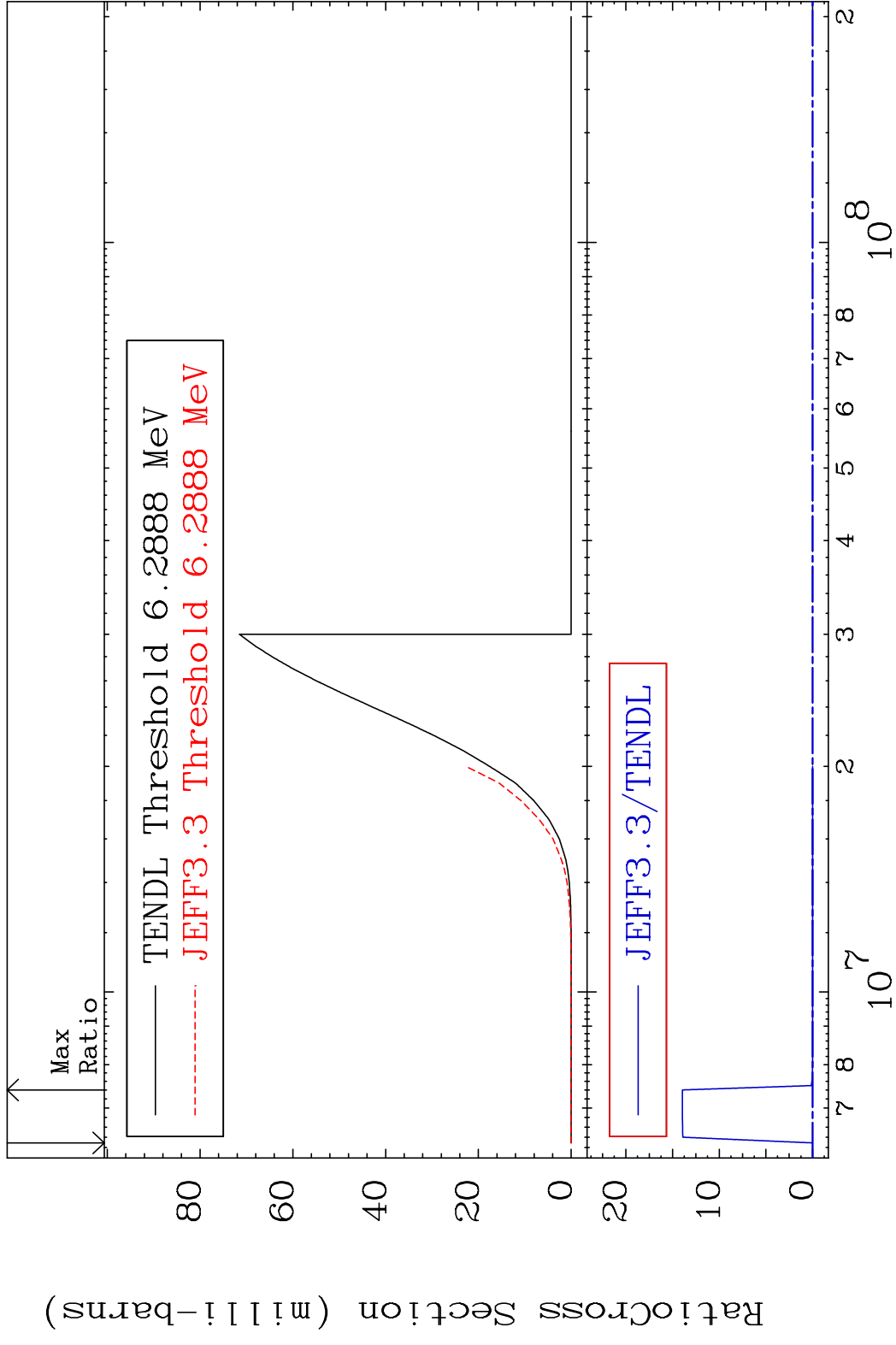
Incident Energy (eV)

72-Hf-174

MAT 7225

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

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

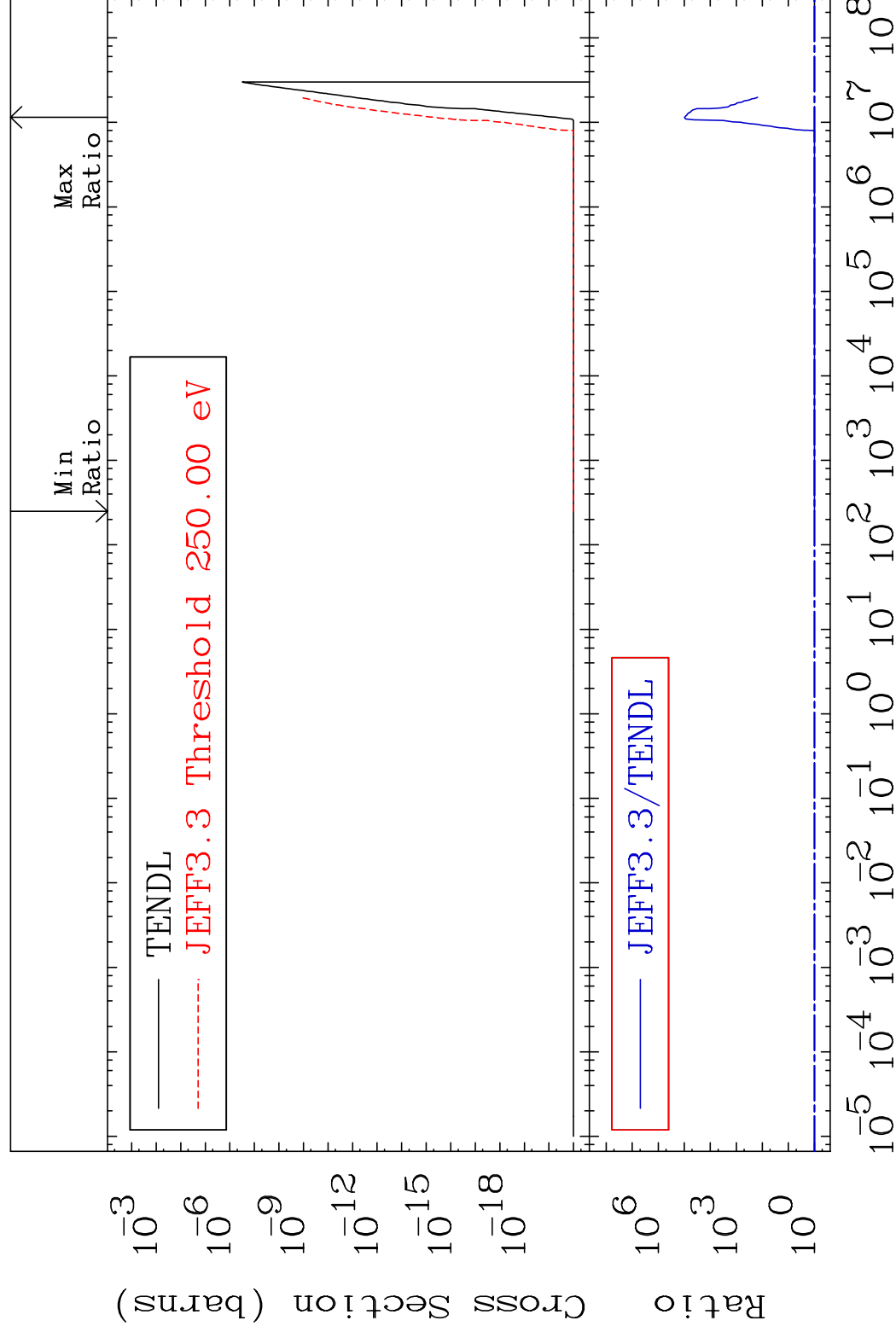
72-Hf-174

MAT 7225

(n, n') 2α

72-Hf-174

Cross Section 0.000 To 9999. %

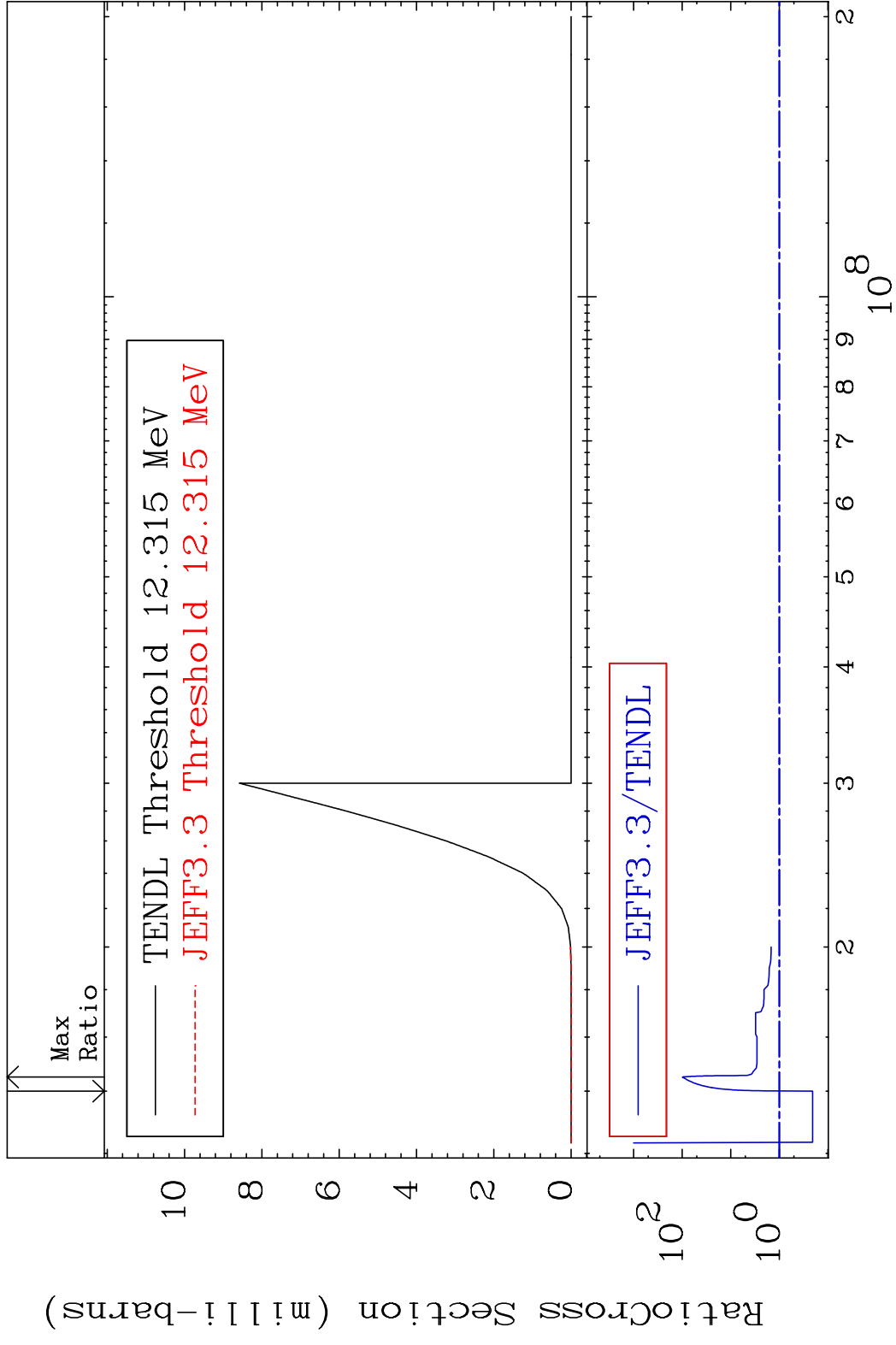


MAT 7225

(n, n') d

72-Hf-174

Cross Section -79.35 To 9835. %



10

Incident Energy (eV)

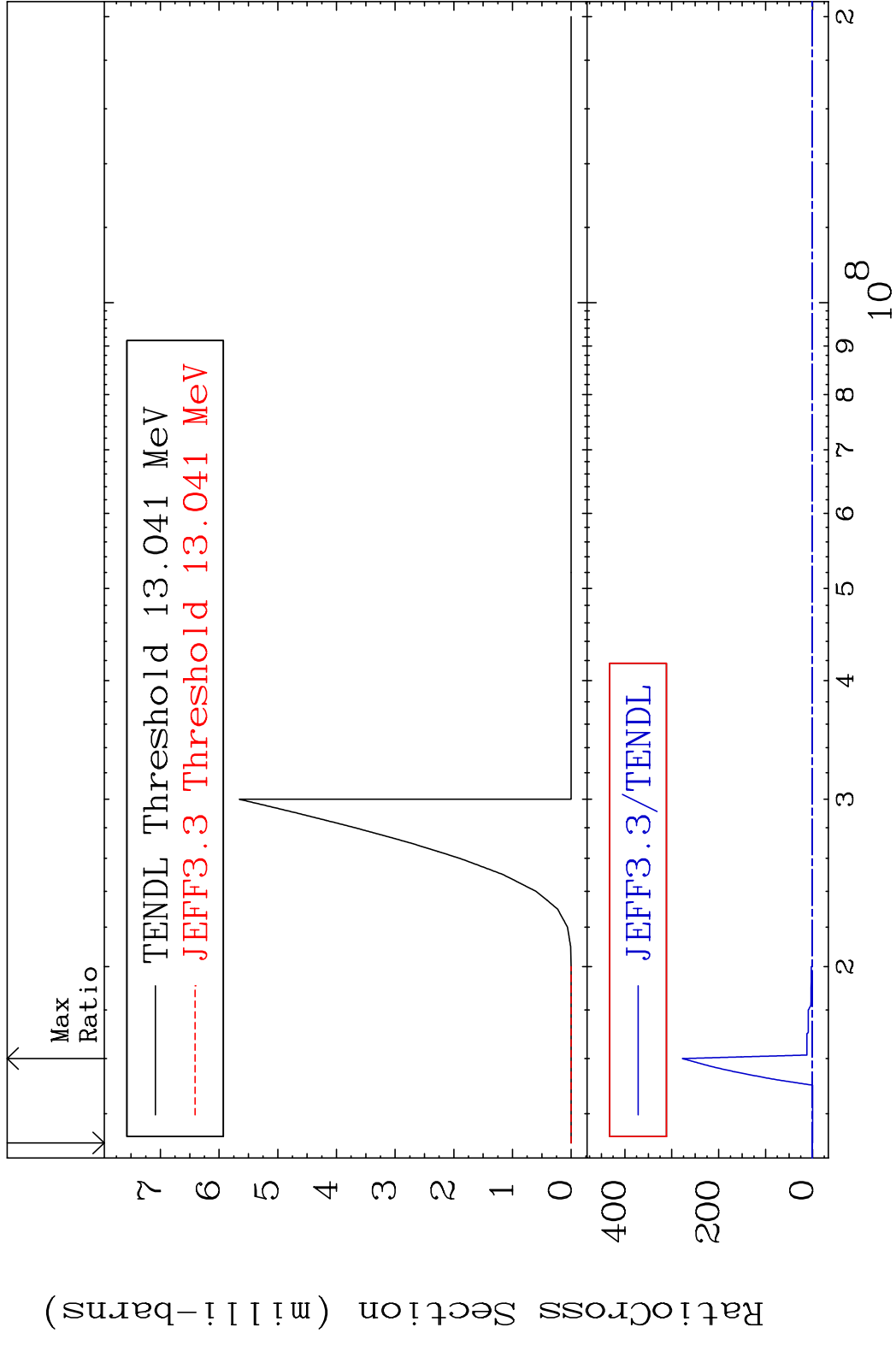
72-Hf-174

MAT 7225

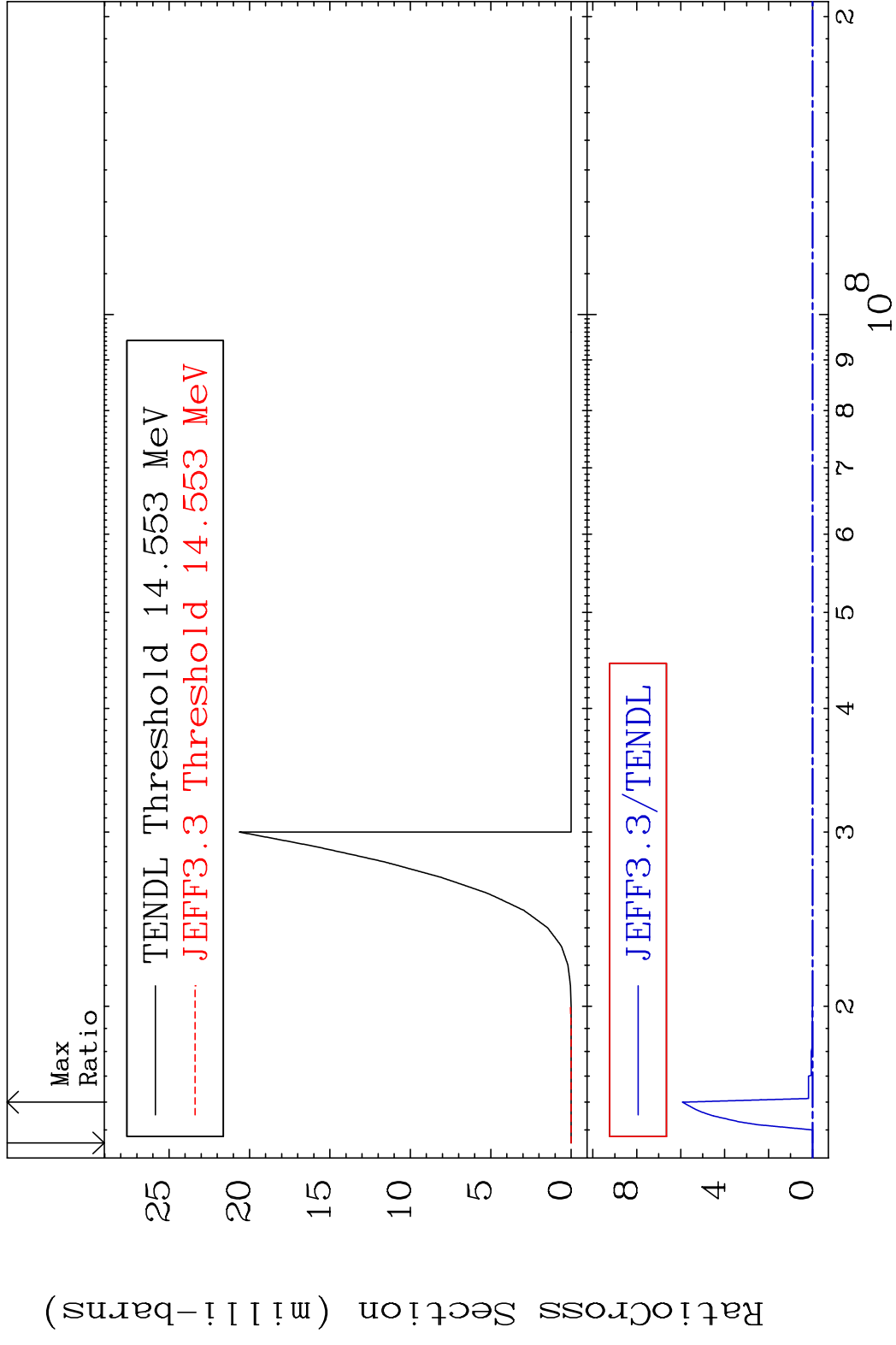
(n, n') t

72-Hf-174

Cross Section -100.0 To 9999. %



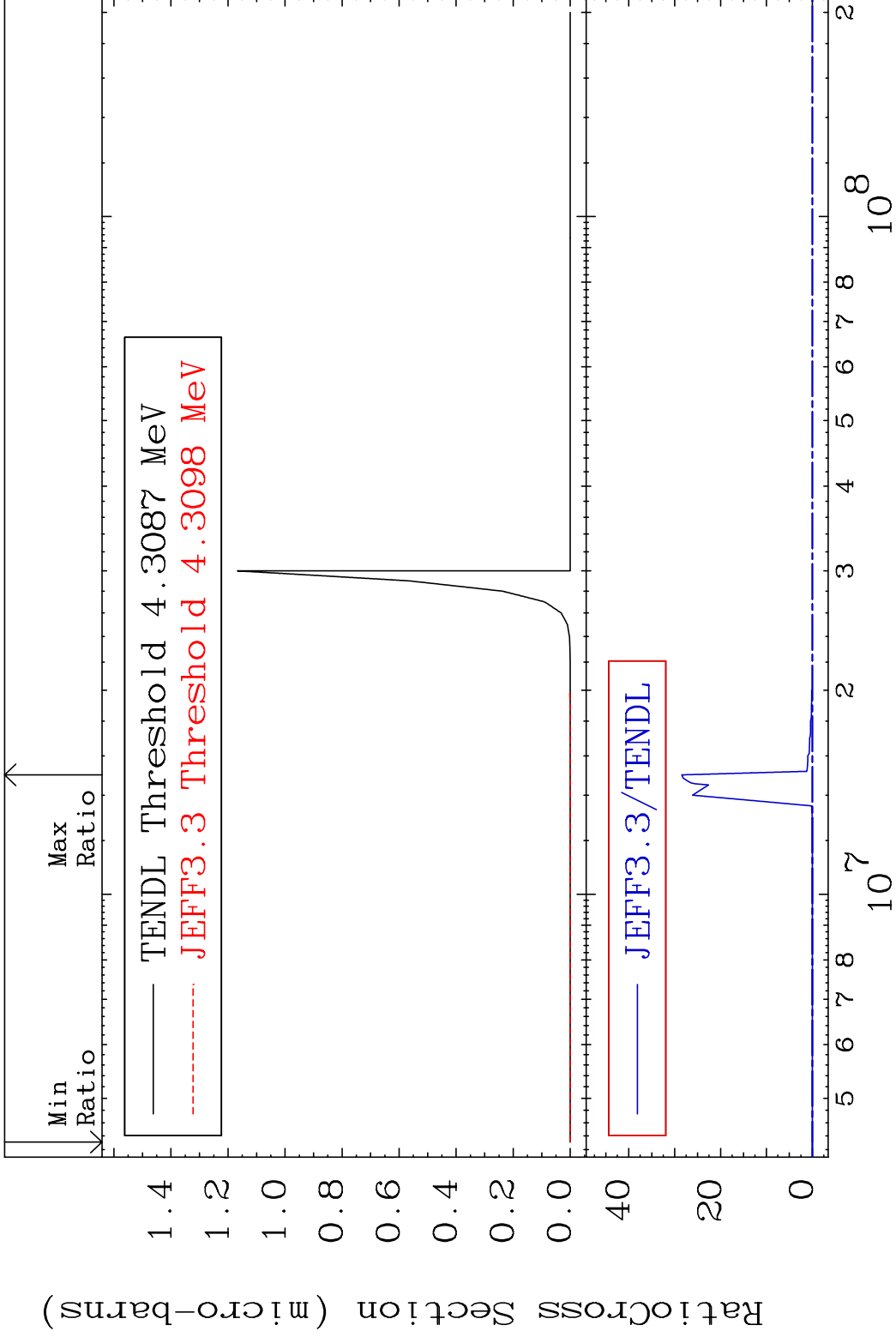
MAT 7225 (n,2n) p 72-Hf-174
 Cross Section -100.0 To 9999. %



MAT 7225

(n,n') p α 72-Hf-174

Cross Section -100.0 To 9999. %

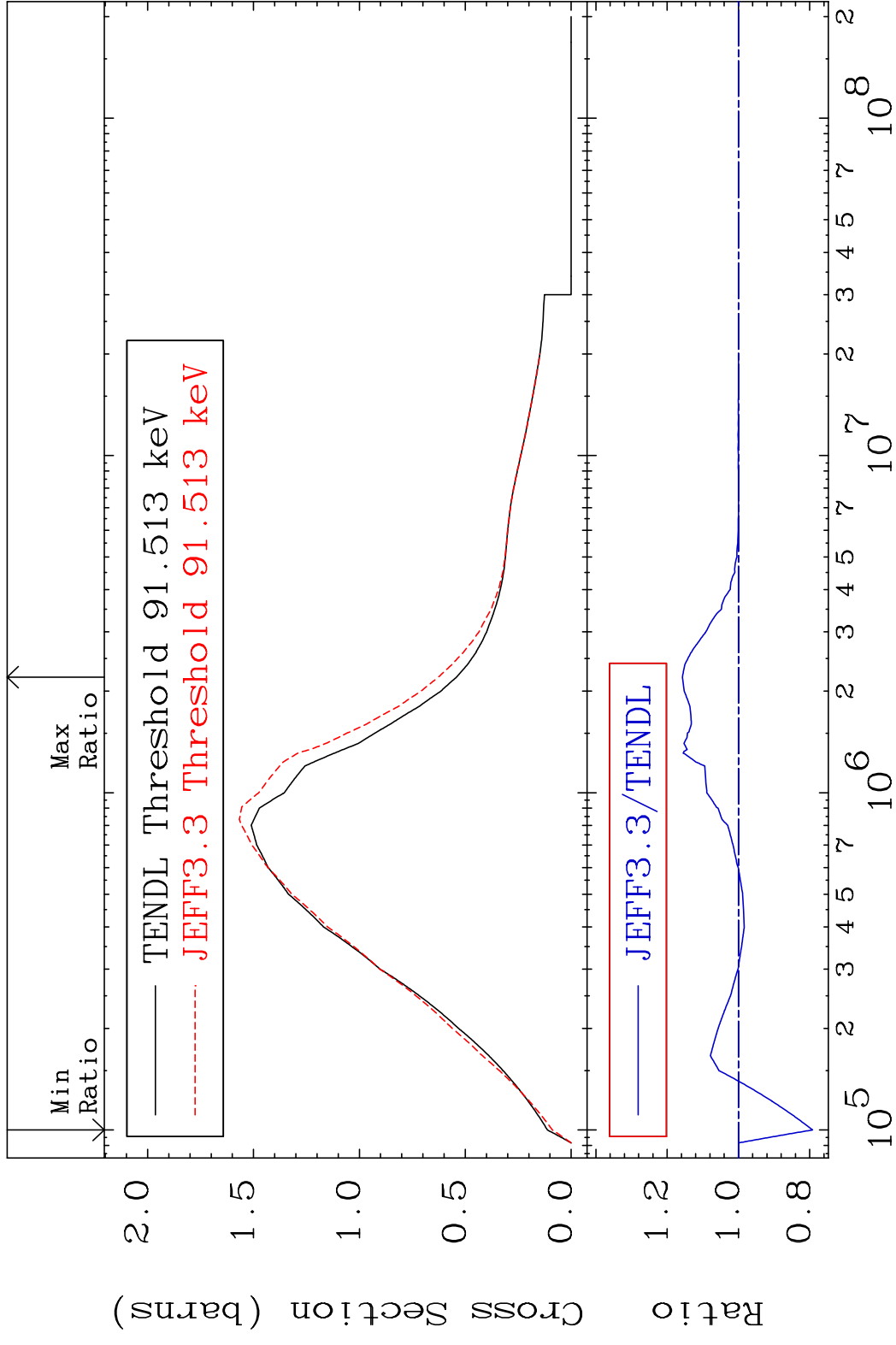


MAT 7225

MT= 51 (n, n') Level

72-Hf-174

Cross Section -20.79 To 15.74 %

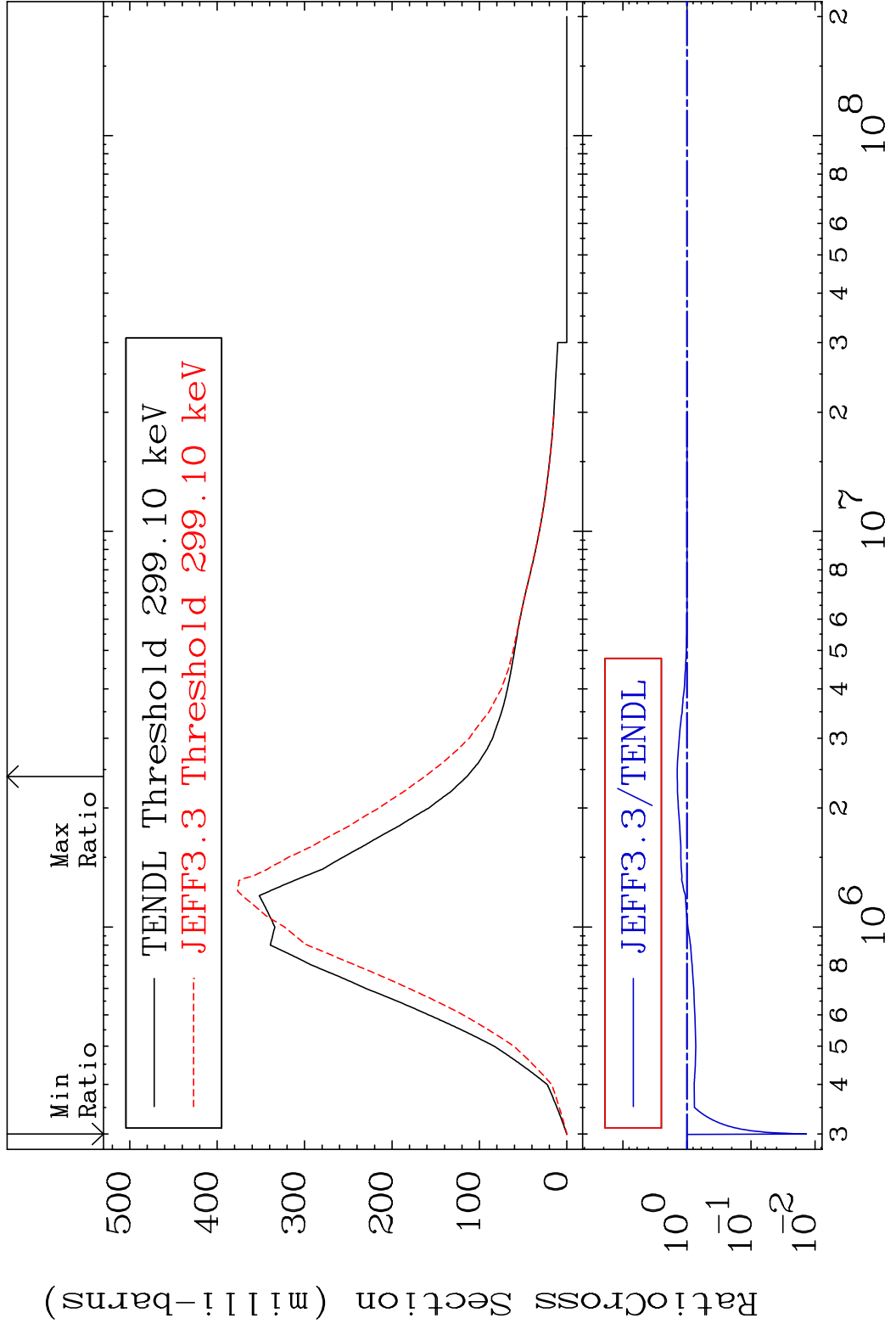


14

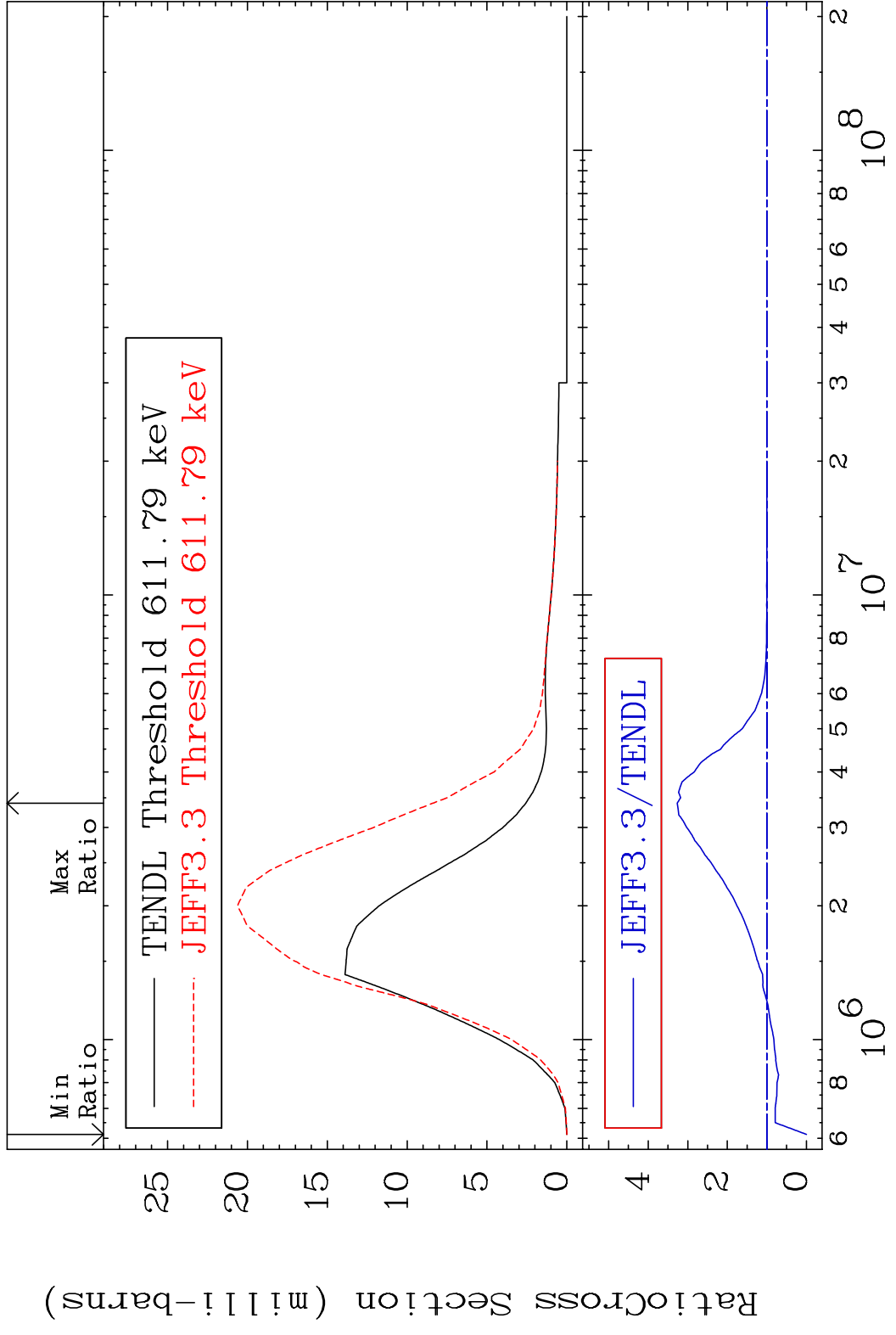
Incident Energy (eV)

72-Hf-174

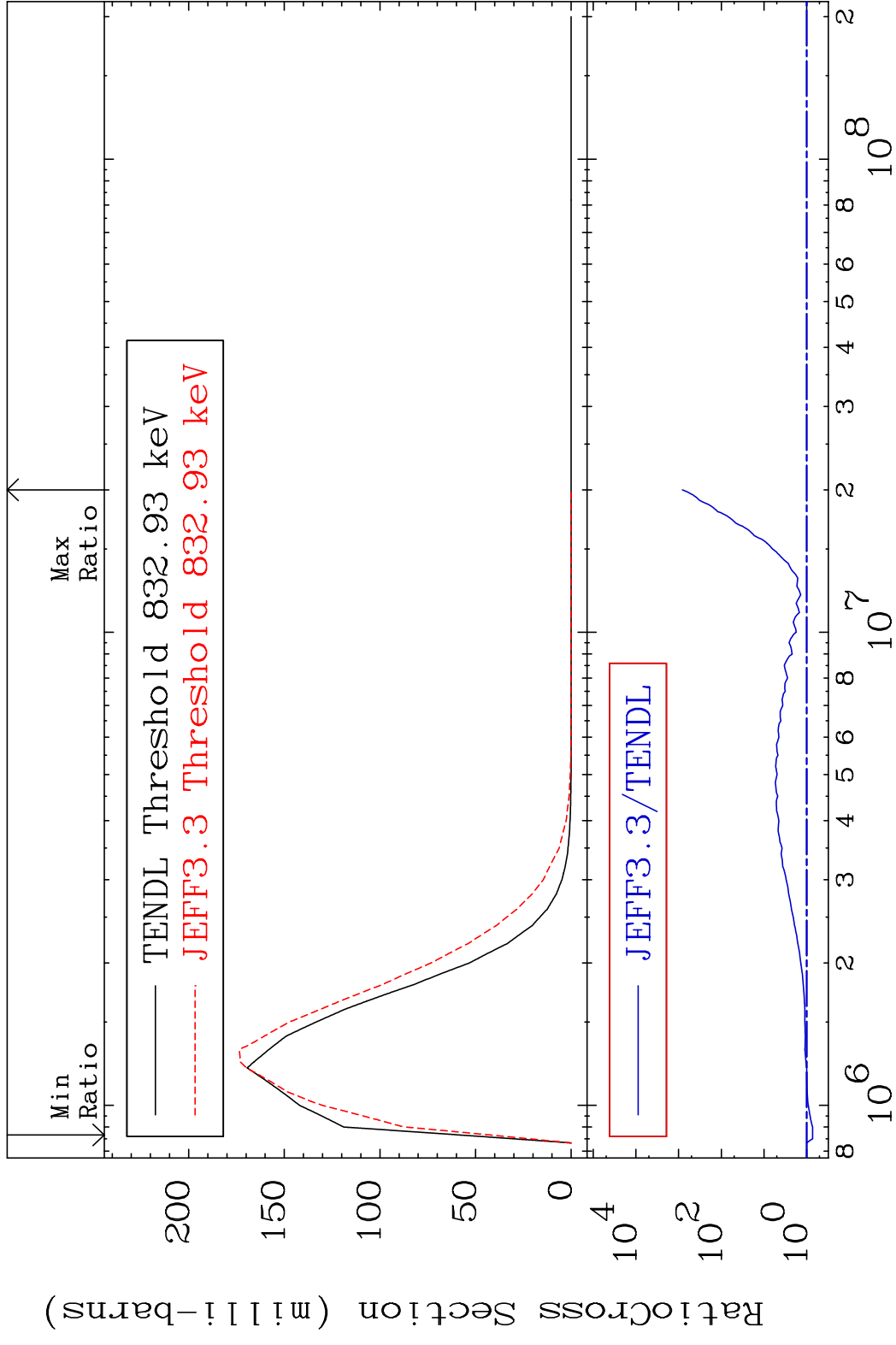
MAT 7225 MT= 52 (n,n') Level 72-Hf-174
 Cross Section -98.64 To 42.09 %



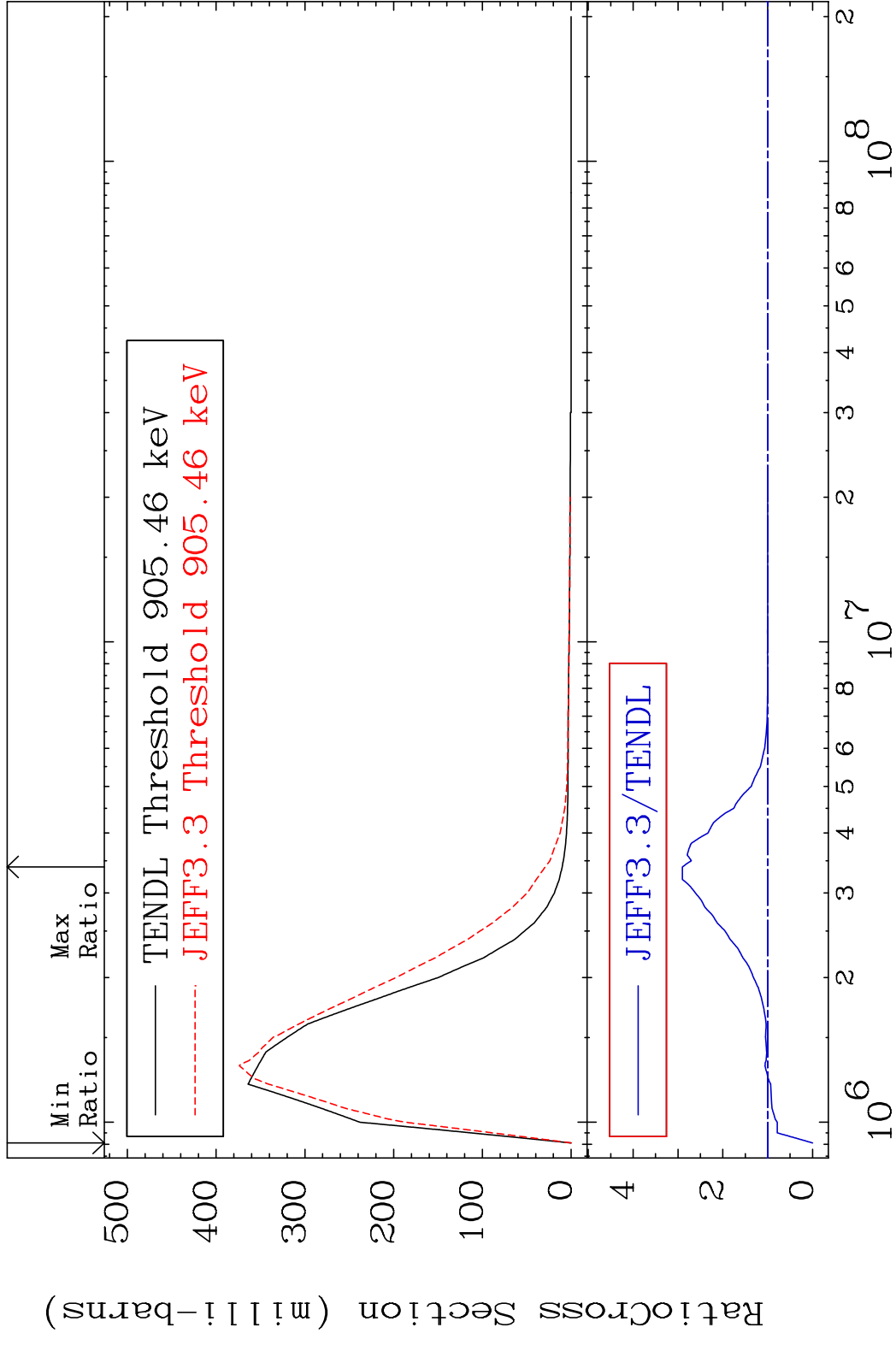
MAT 7225 MT= 53 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 226.7 %



MAT 7225 MT= 54 (n, n') Level 72-Hf-174
 Cross Section -27.22 To 9999. %



MAT 7225 MT= 55 (n,n') Level 72-Hf-174
 Cross Section -100.0 To 190.3 %

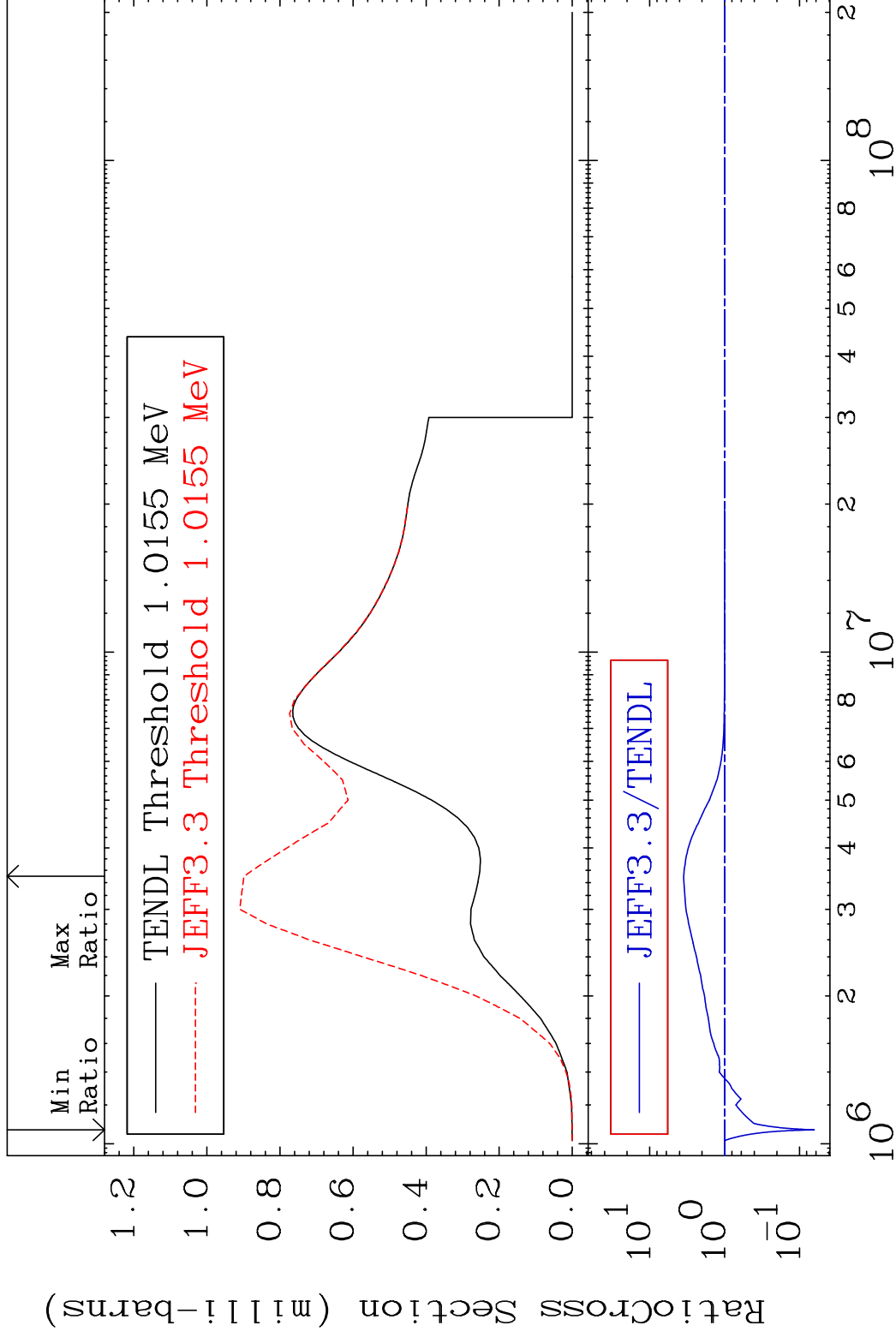


MAT 7225

MT= 56 (n, n') Level

72-Hf-174

Cross Section -93.62 To 251.6 %

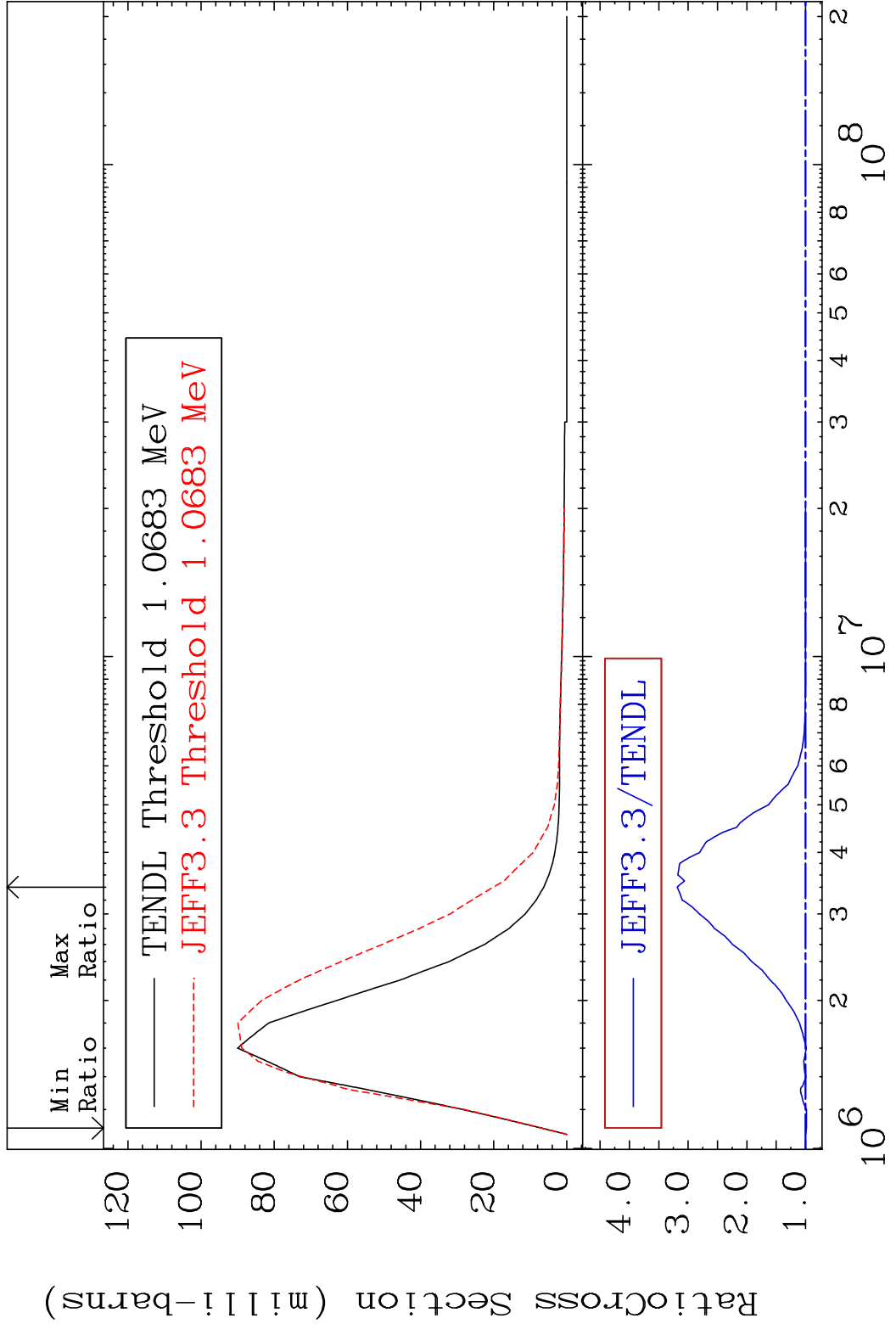


19

Incident Energy (eV)

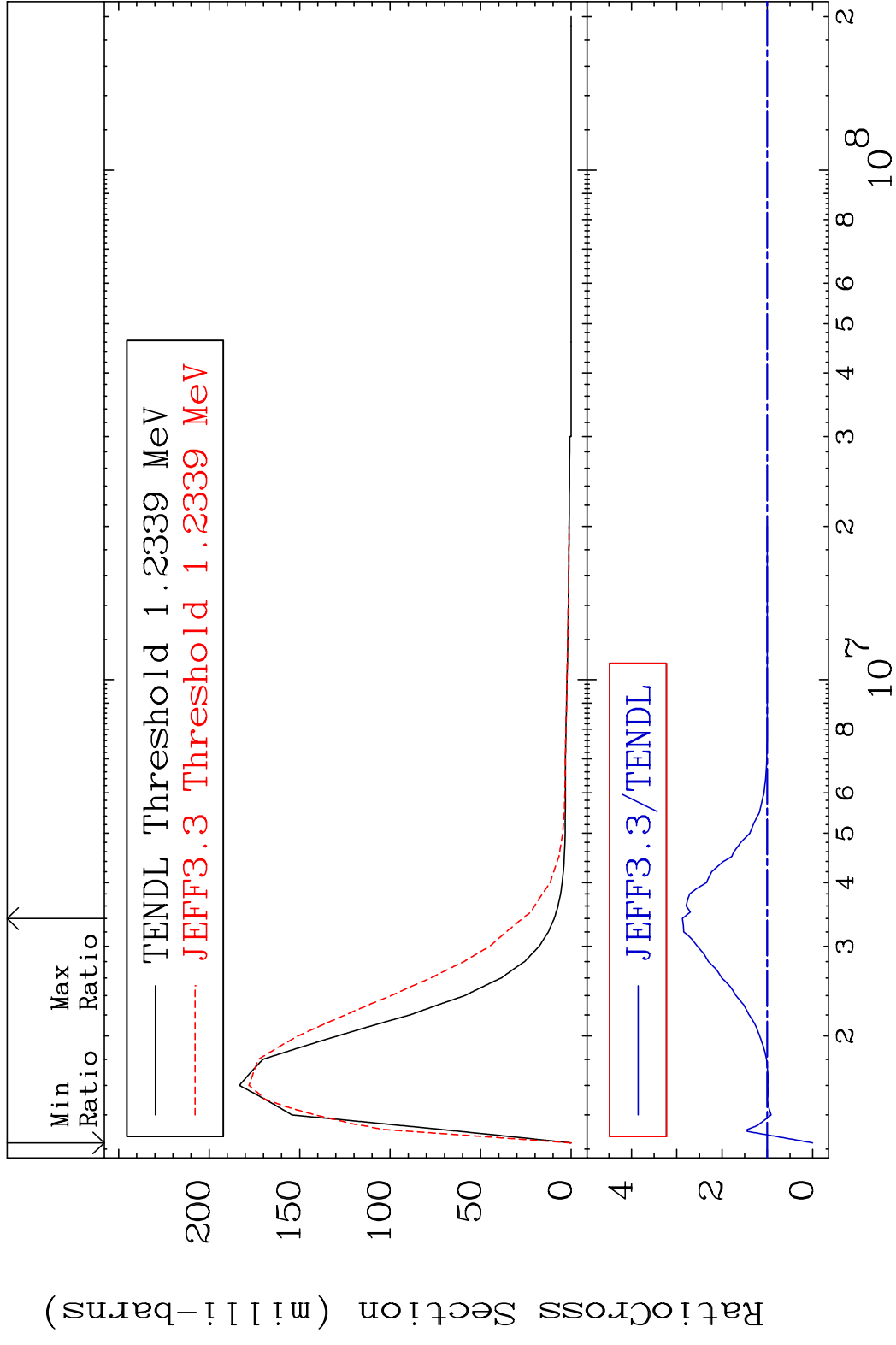
72-Hf-174

MAT 7225 MT= 57 (n,n') Level 72-Hf-174
 Cross Section -1.420 To 218.7 %

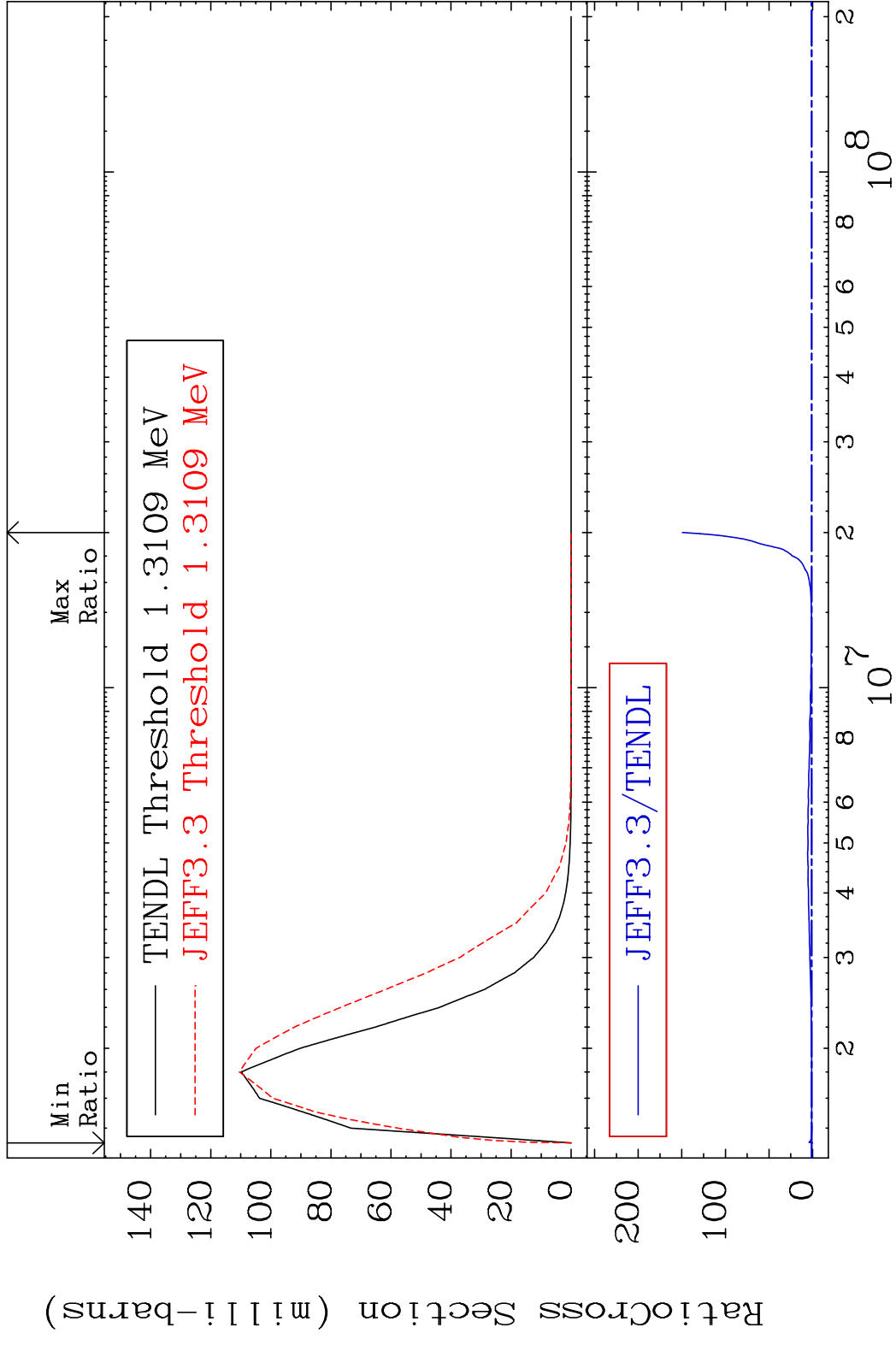


20 Incident Energy (eV) 72-Hf-174

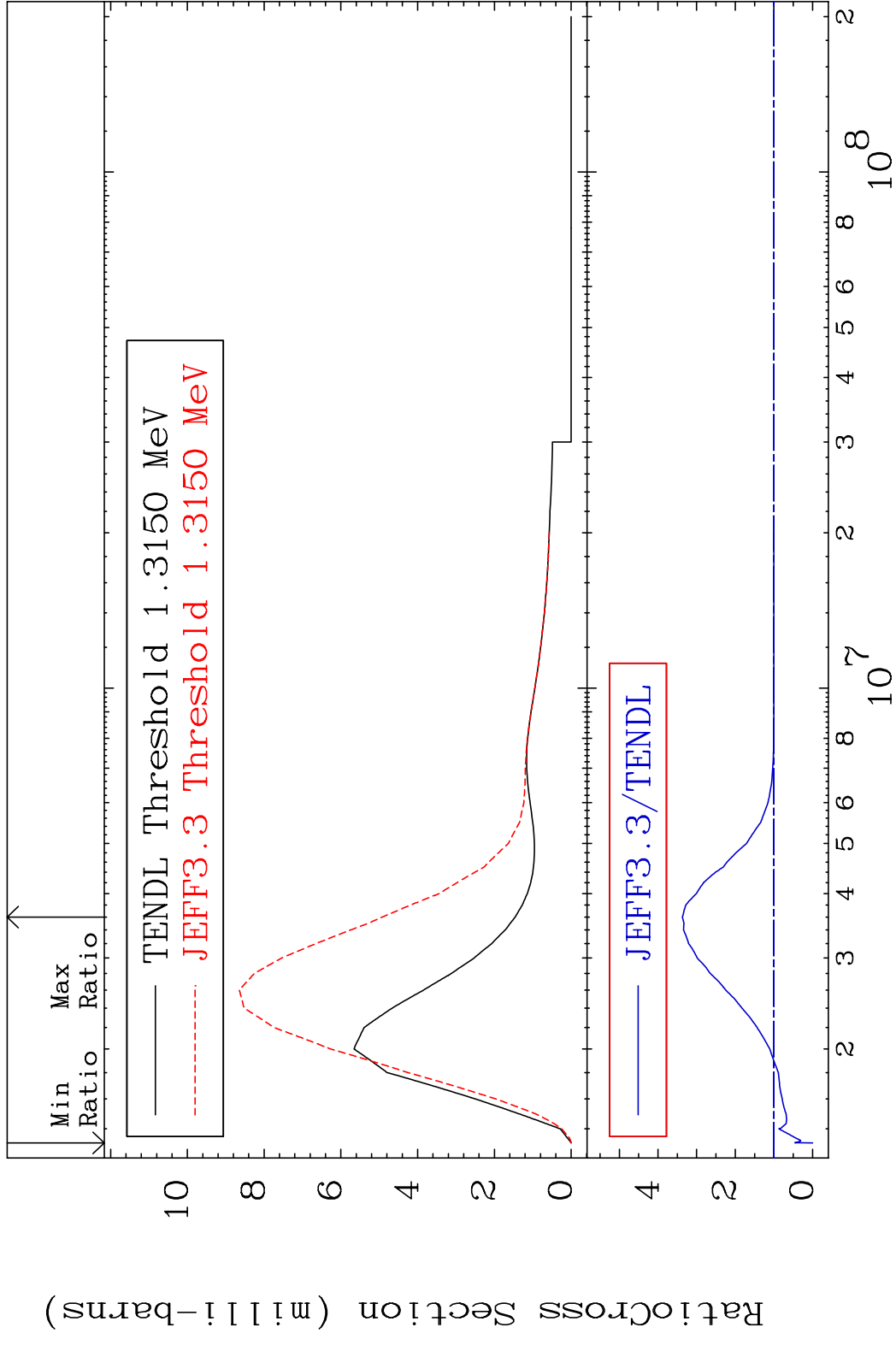
MAT 7225 MT= 58 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 187.7 %



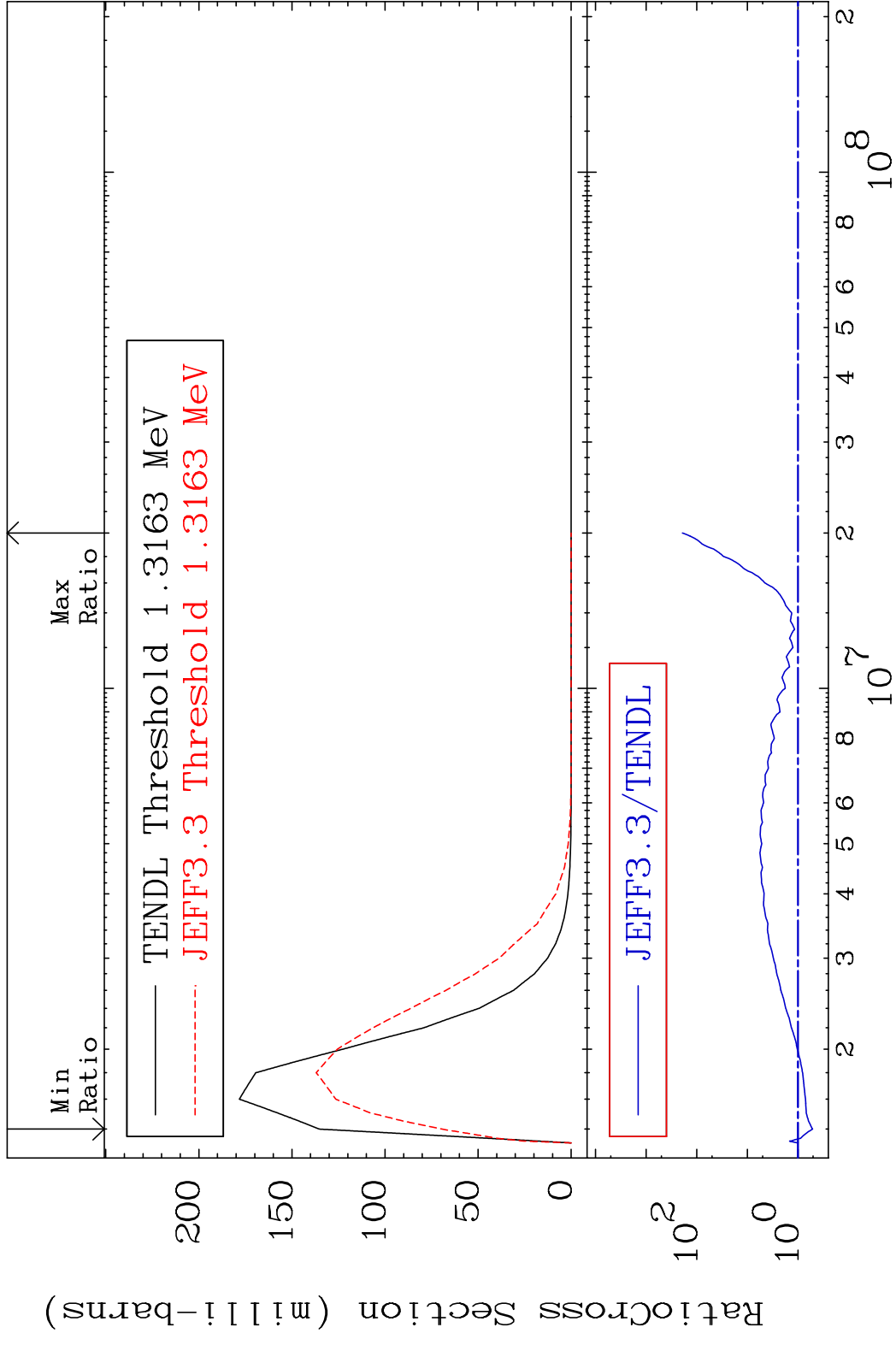
MAT 7225 MT= 59 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



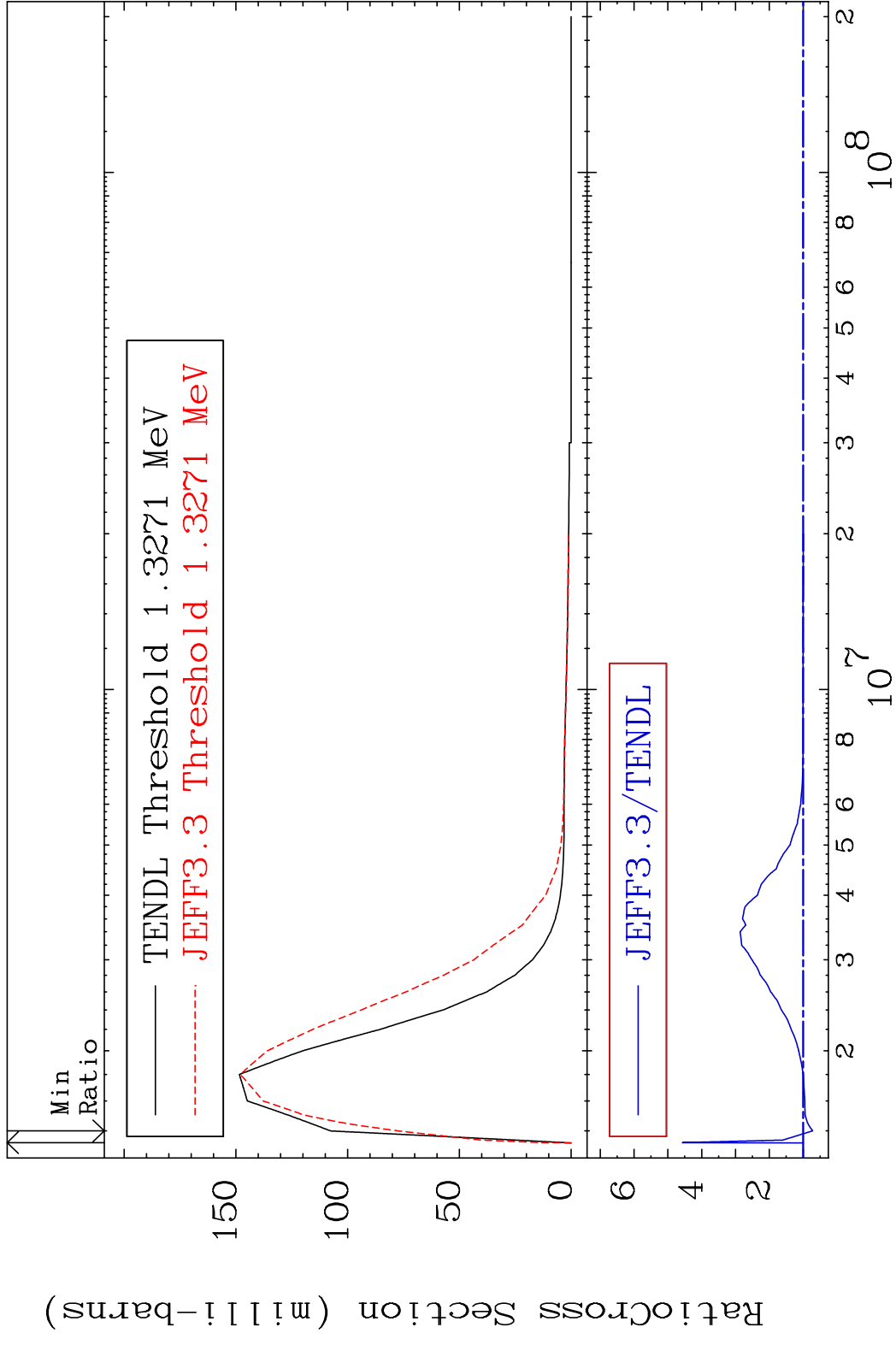
MAT 7225 MT= 60 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 237.0 %



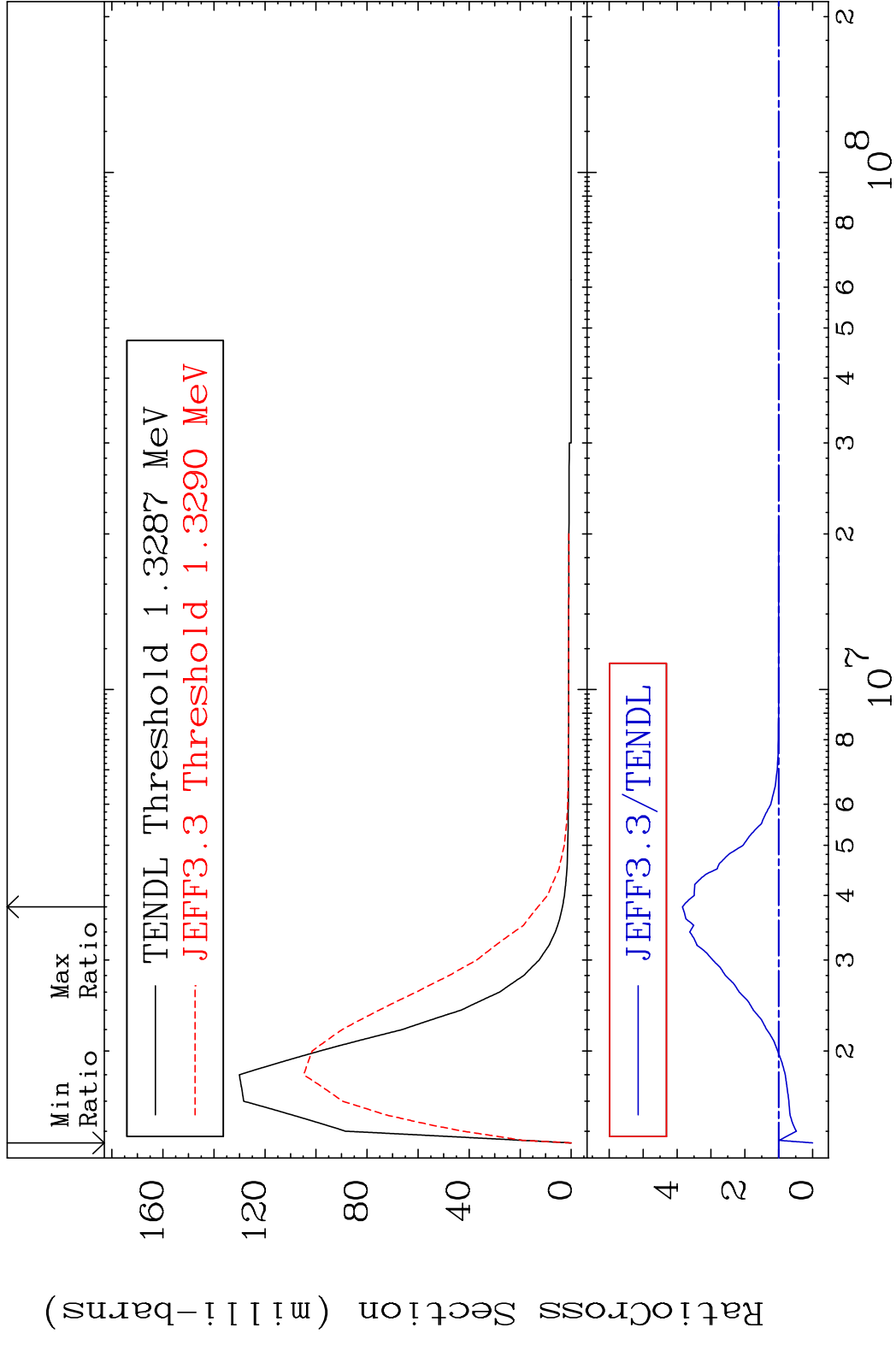
MAT 7225 MT= 61 (n, n') Level 72-Hf-174
 Cross Section -48.60 To 9999. %



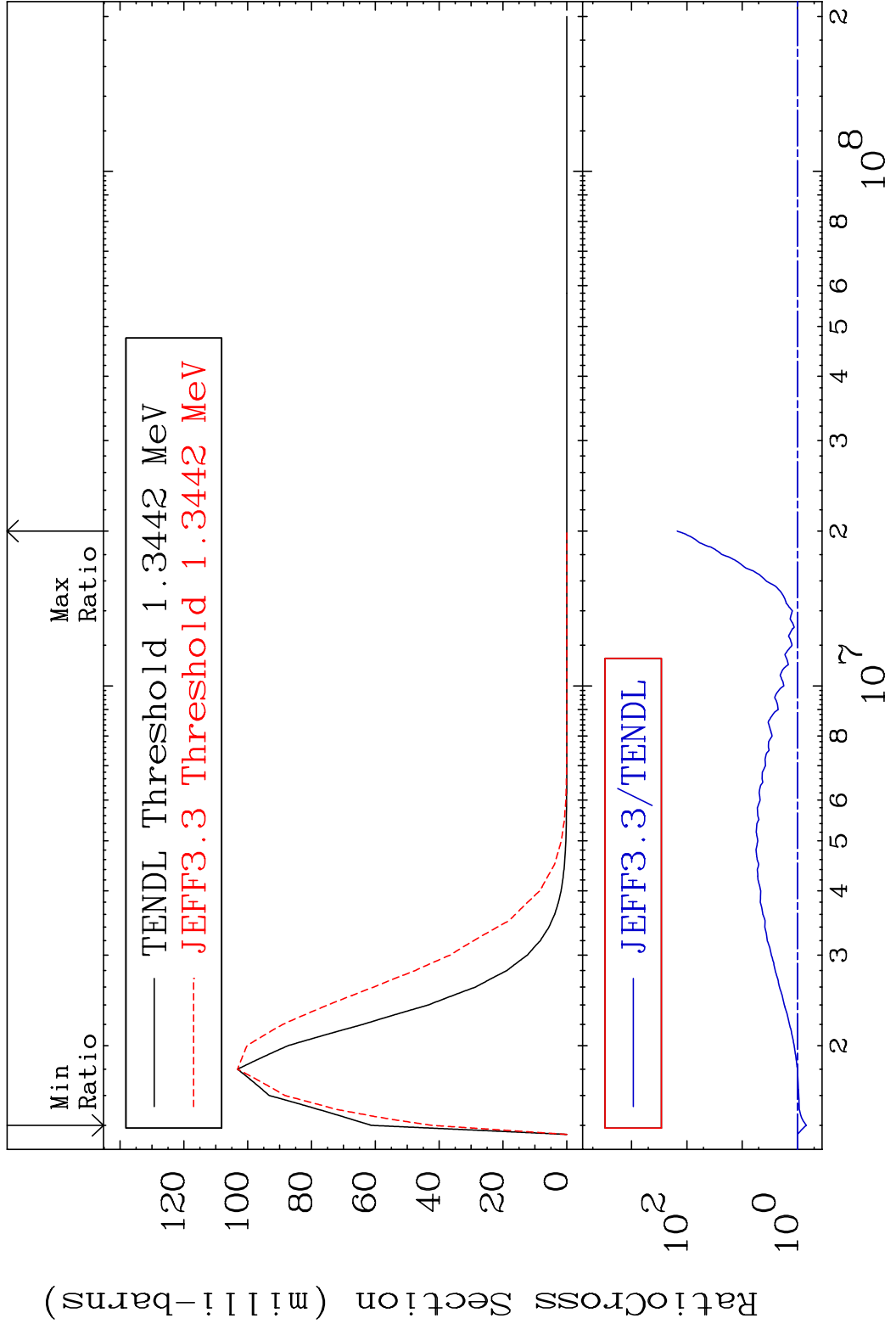
MAT 7225 MT= 62 (n, n') Level 72-Hf-174
 Cross Section -27.83 To 357.1 %



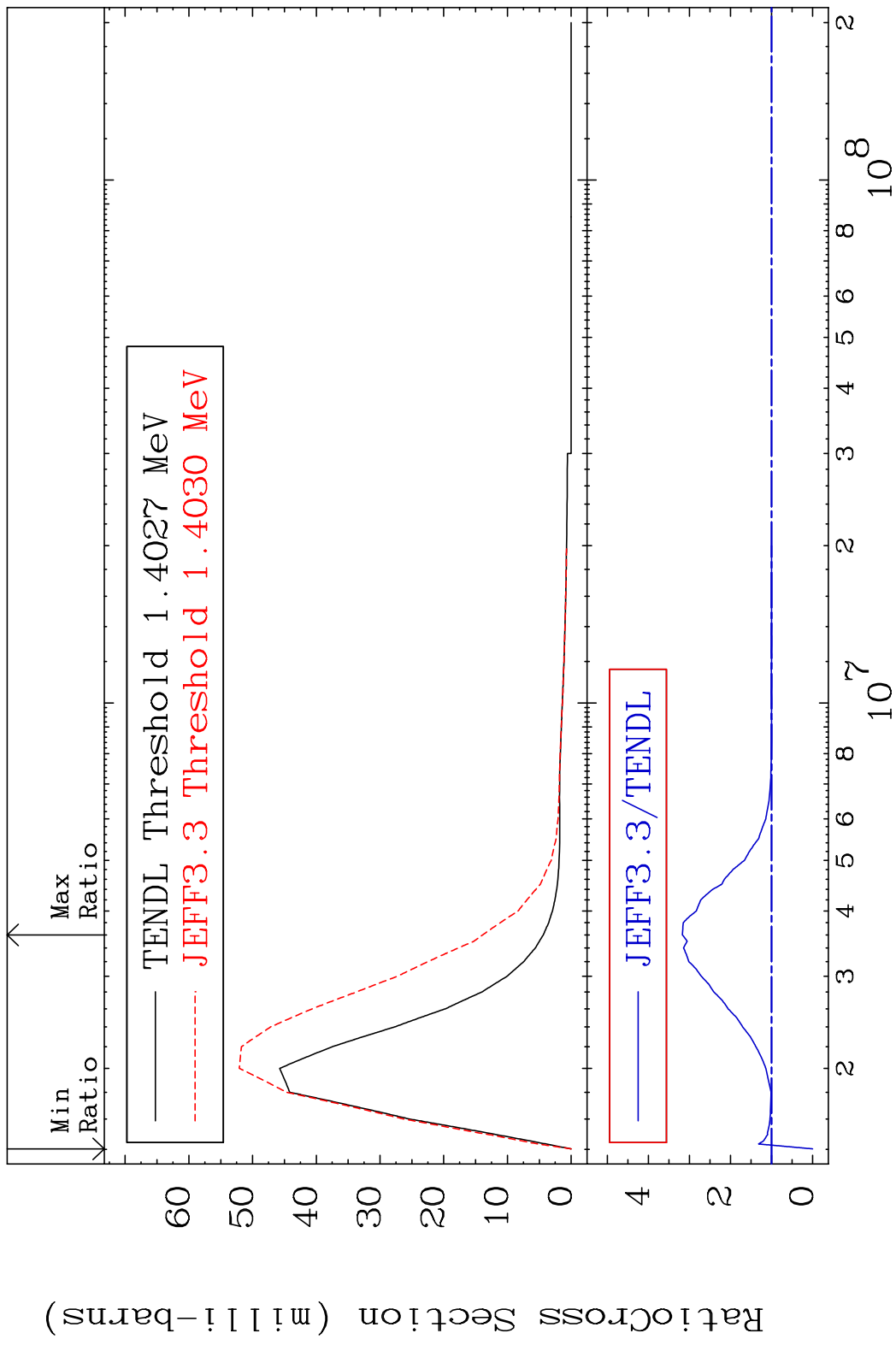
MAT 7225 MT= 63 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 284.3 %



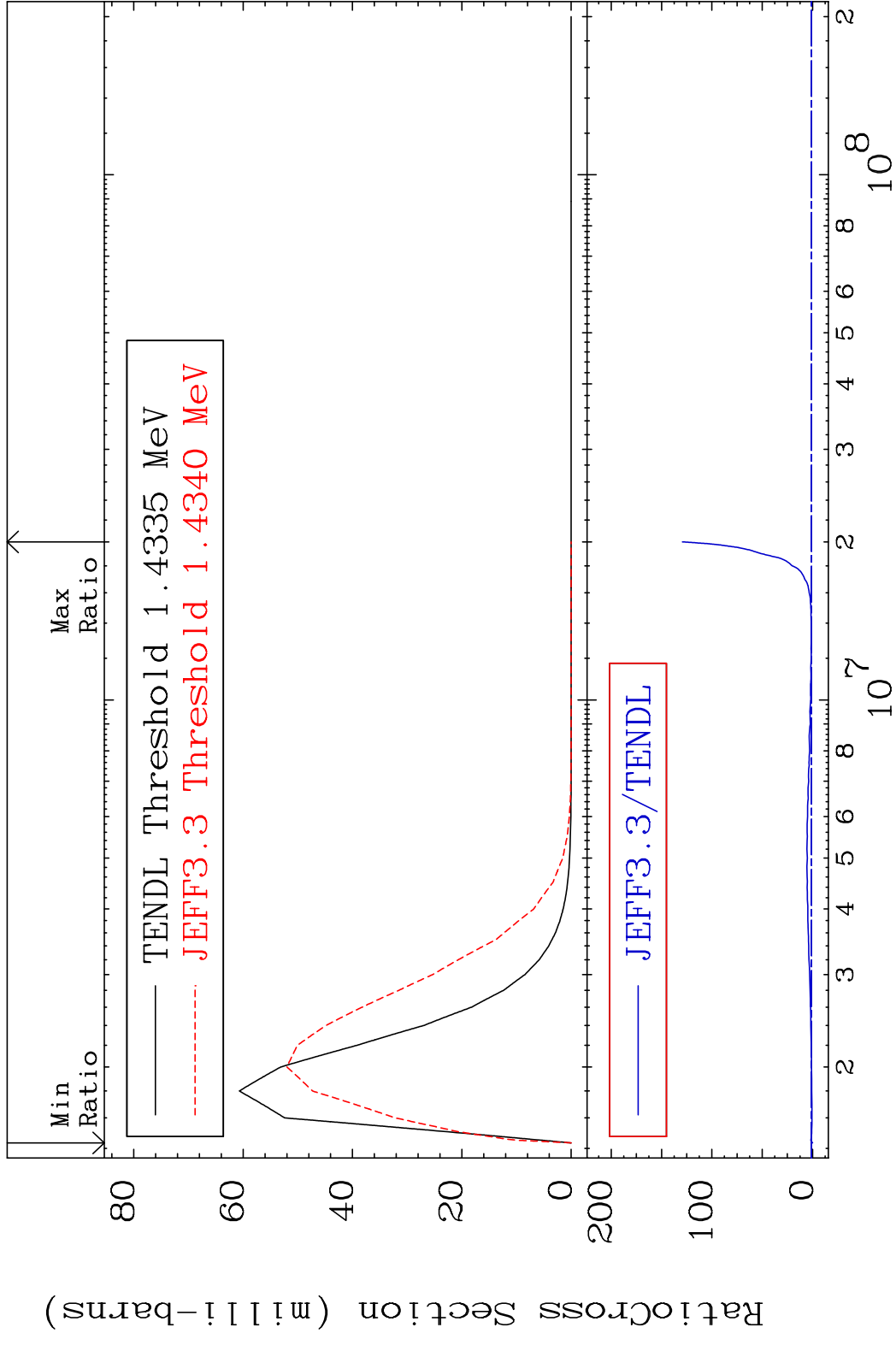
MAT 7225 MT= 64 (n, n') Level 72-Hf-174
 Cross Section -31.13 To 9999. %



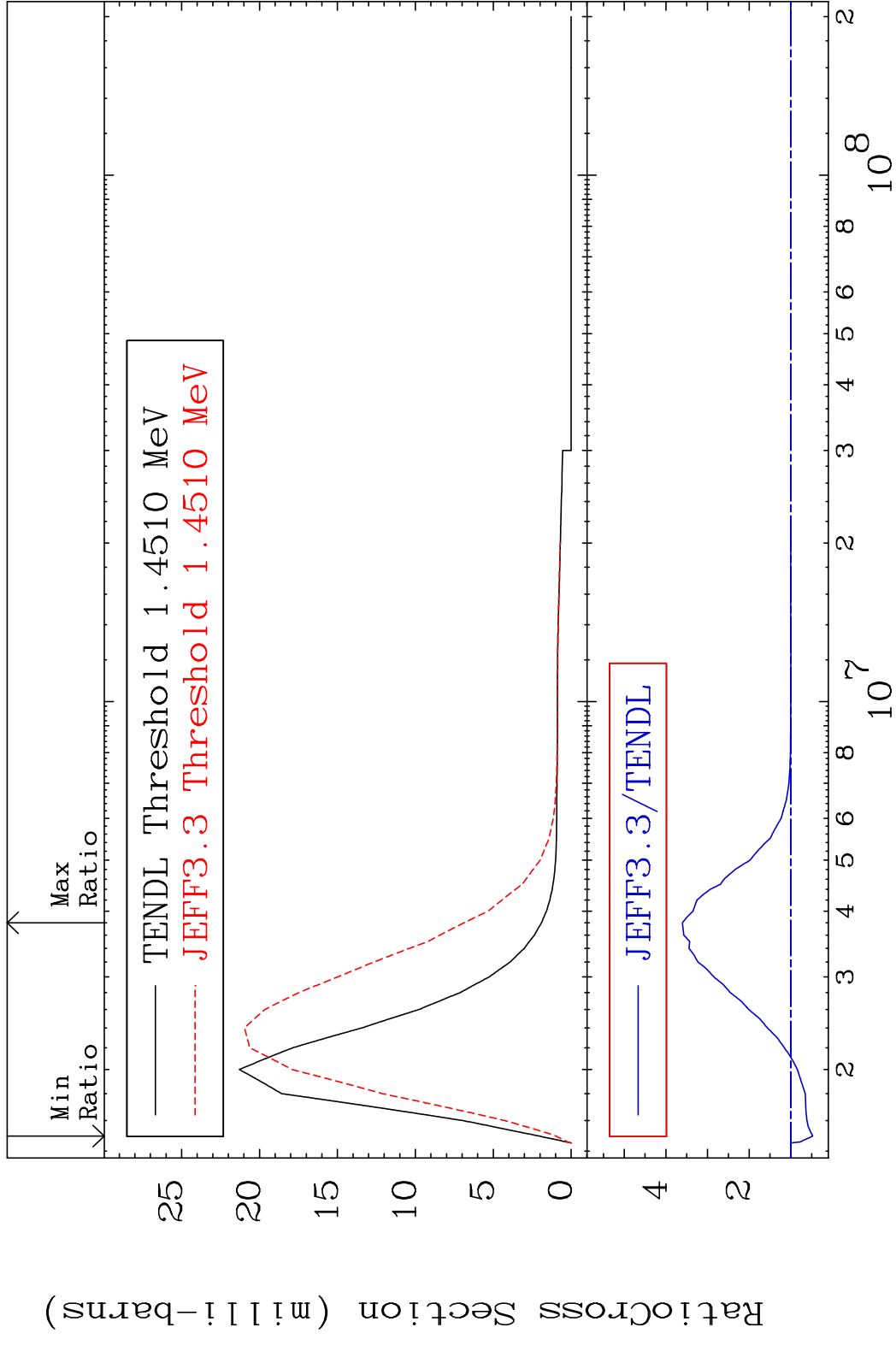
MAT 7225 MT= 65 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 217.2 %



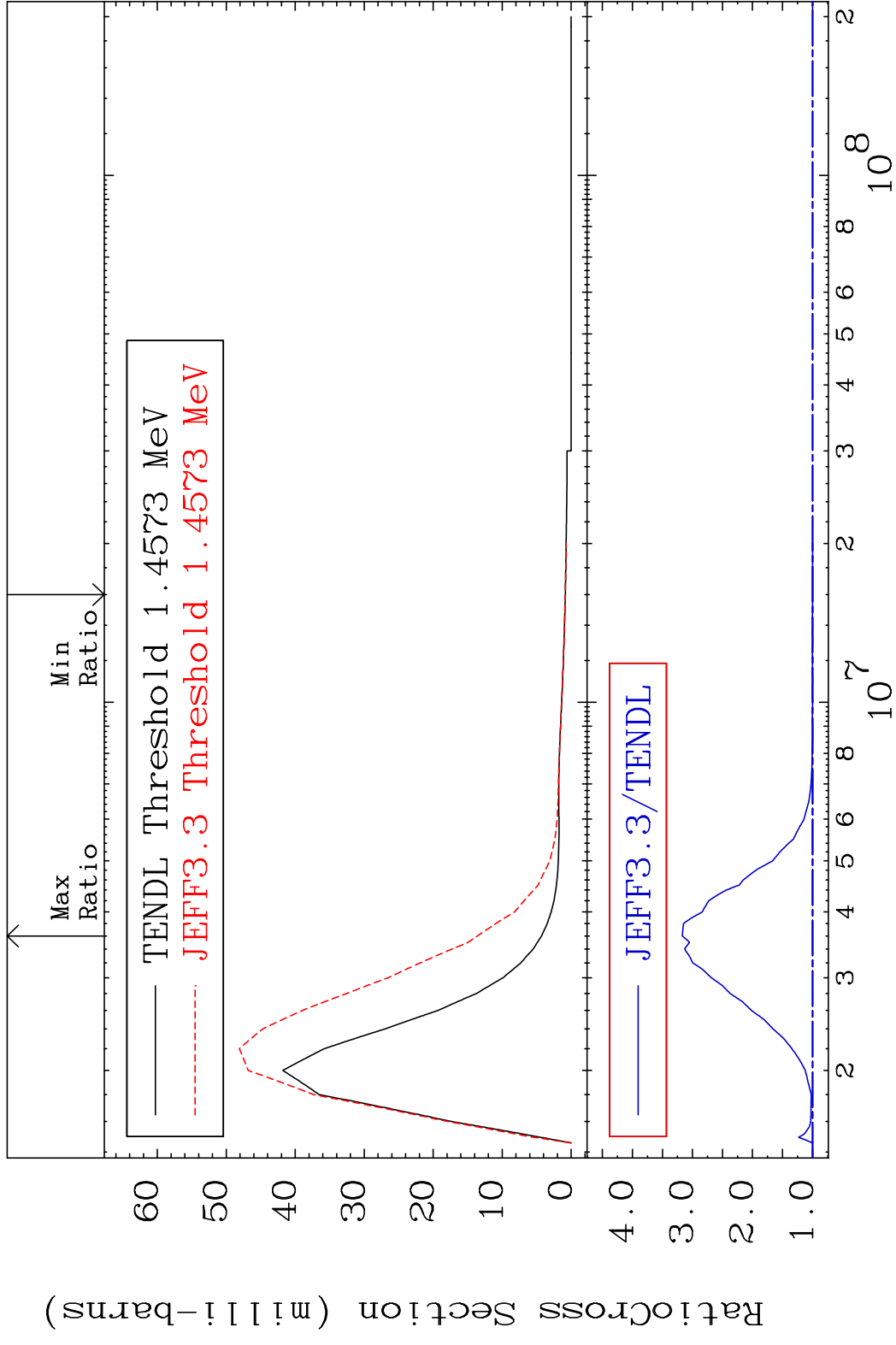
MAT 7225 MT= 66 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



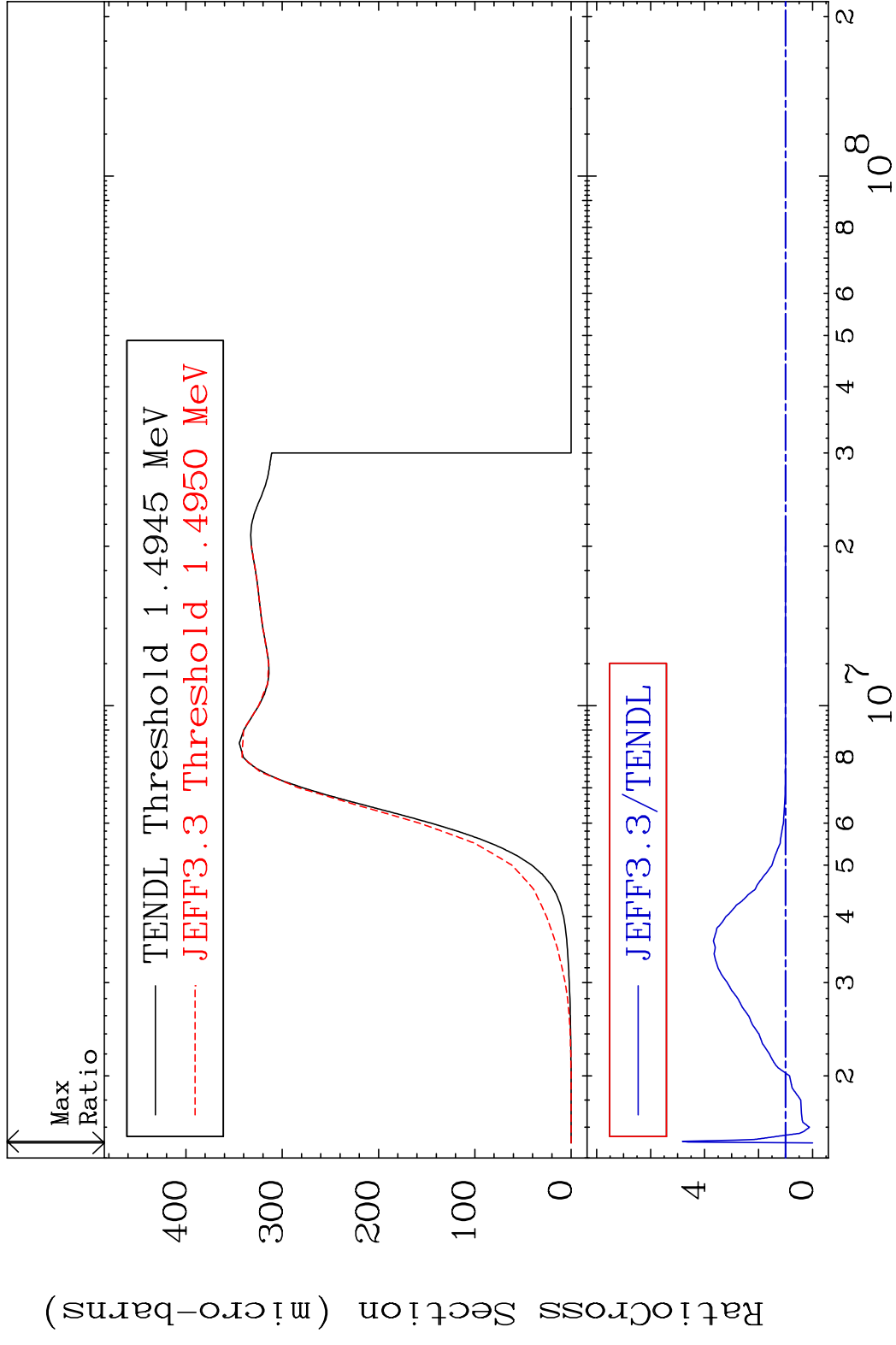
MAT 7225 MT= 67 (n, n') Level 72-Hf-174
 Cross Section -52.23 To 260.5 %



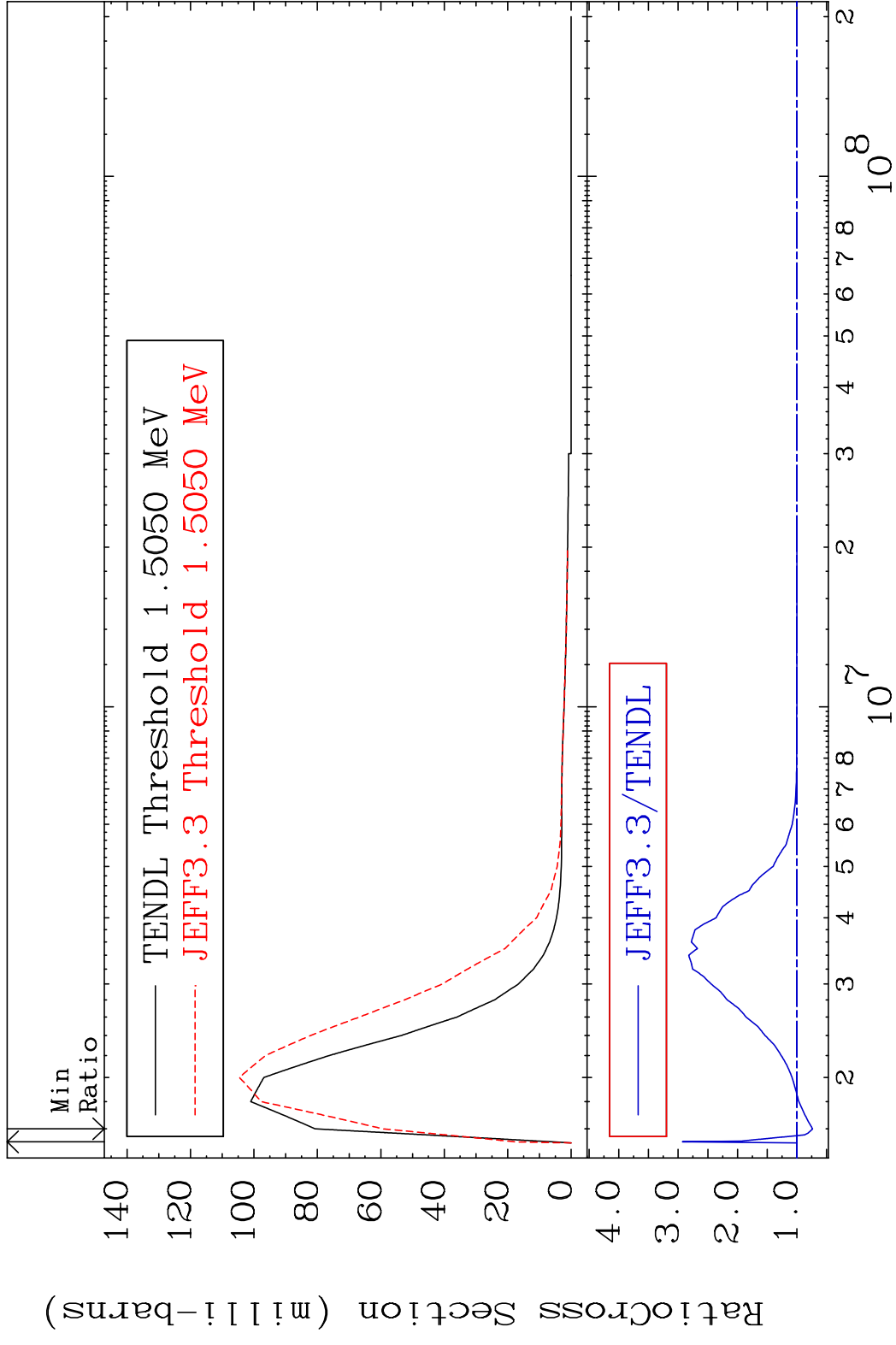
MAT 7225 MT= 68 (n, n') Level 72-Hf-174
 Cross Section 0.000 To 216.8 %



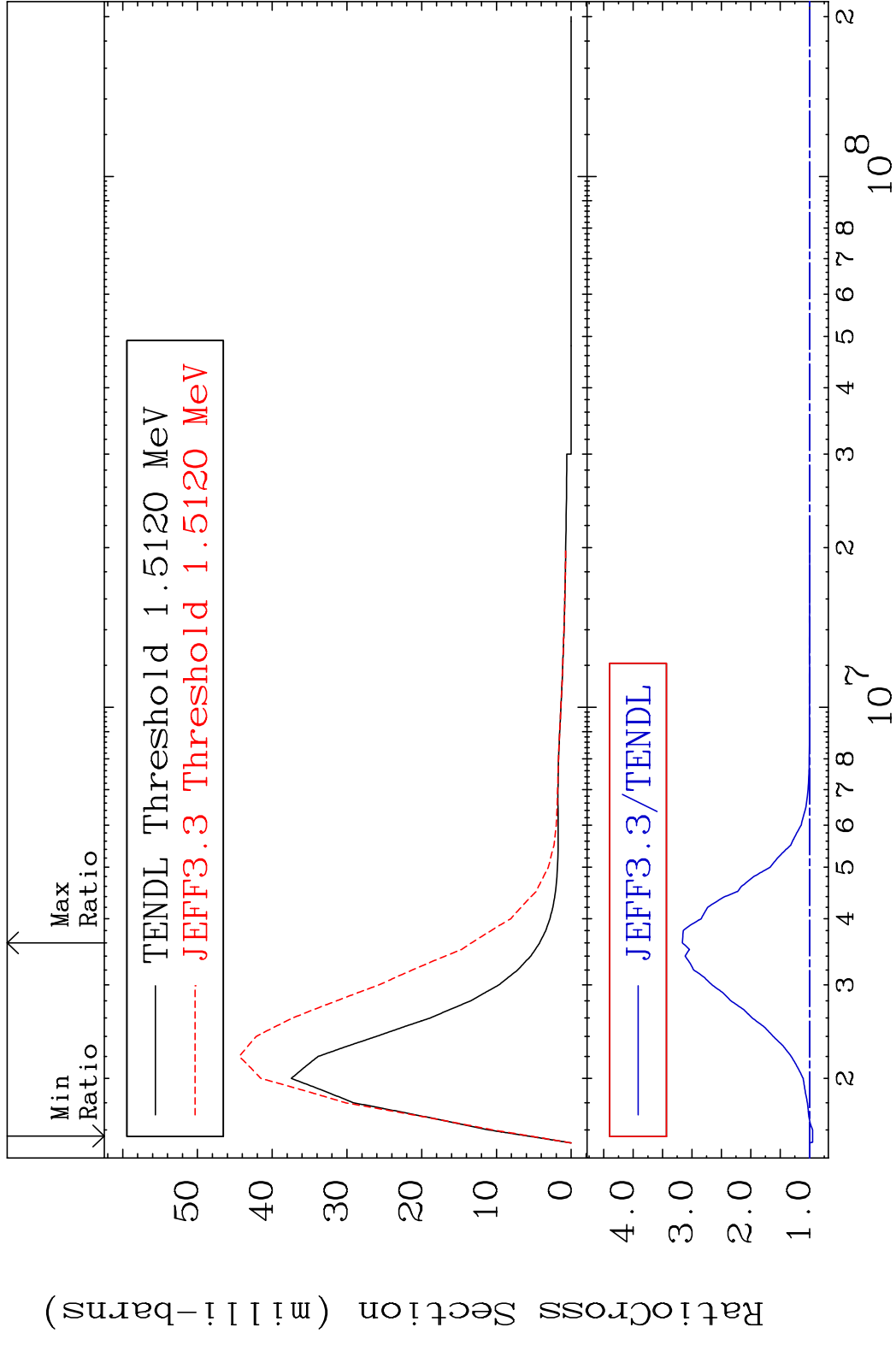
MAT 7225 MT= 69 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 382.4 %



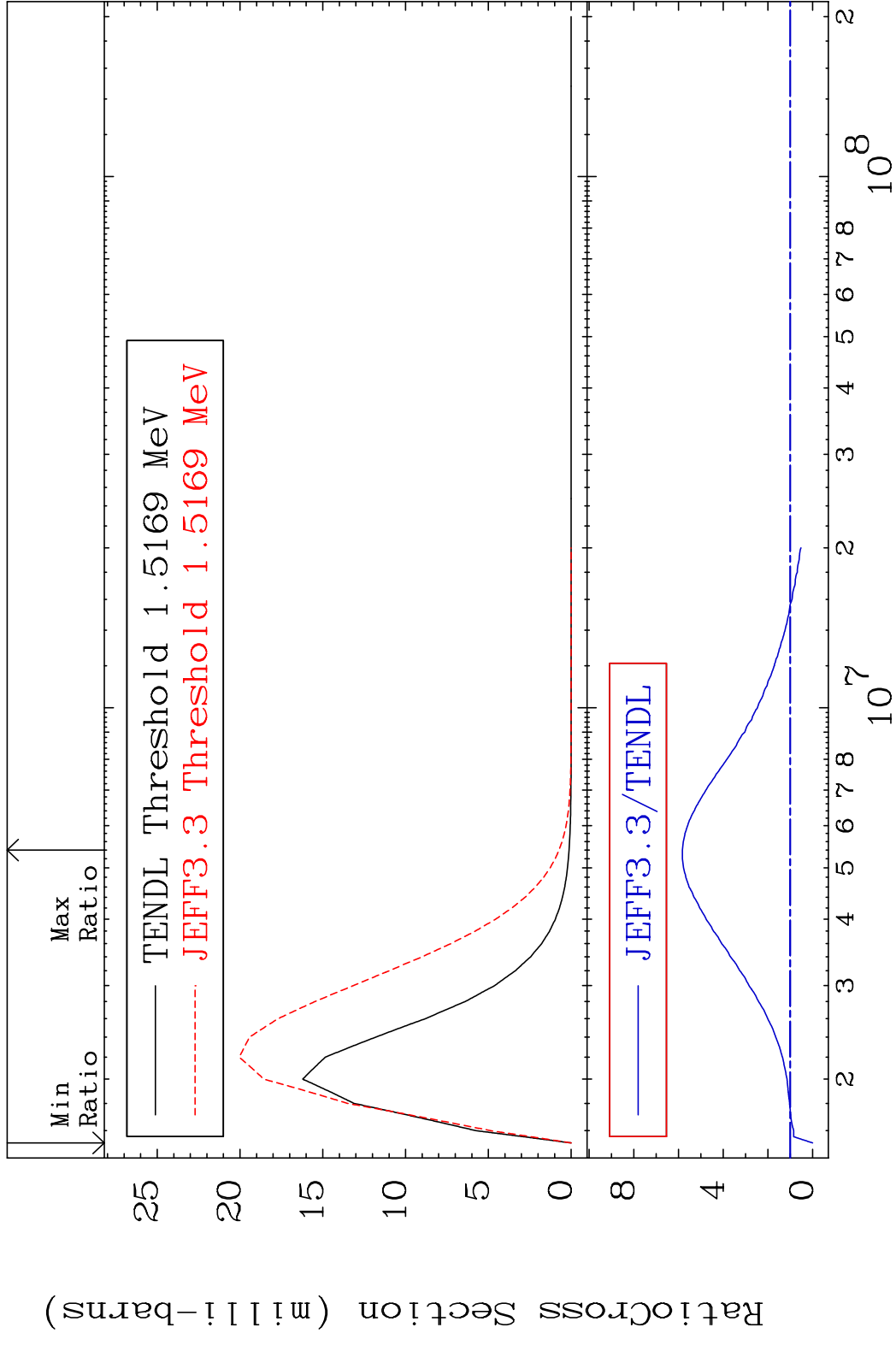
MAT 7225 MT= 70 (n,n') Level 72-Hf-174
 Cross Section -26.50 To 192.9 %



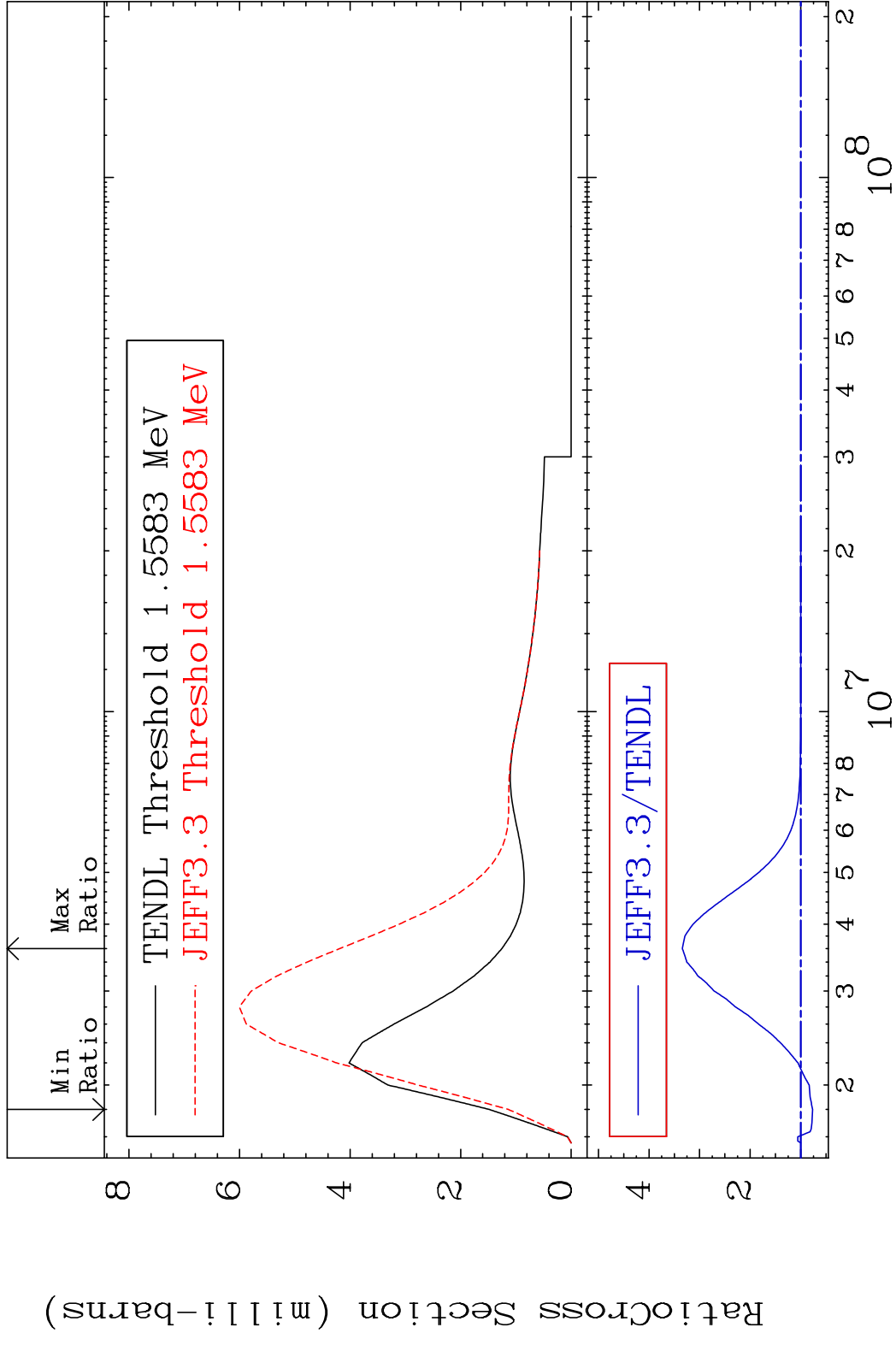
MAT 7225 MT= 71 (n,n') Level 72-Hf-174
 Cross Section -5.125 To 216.3 %



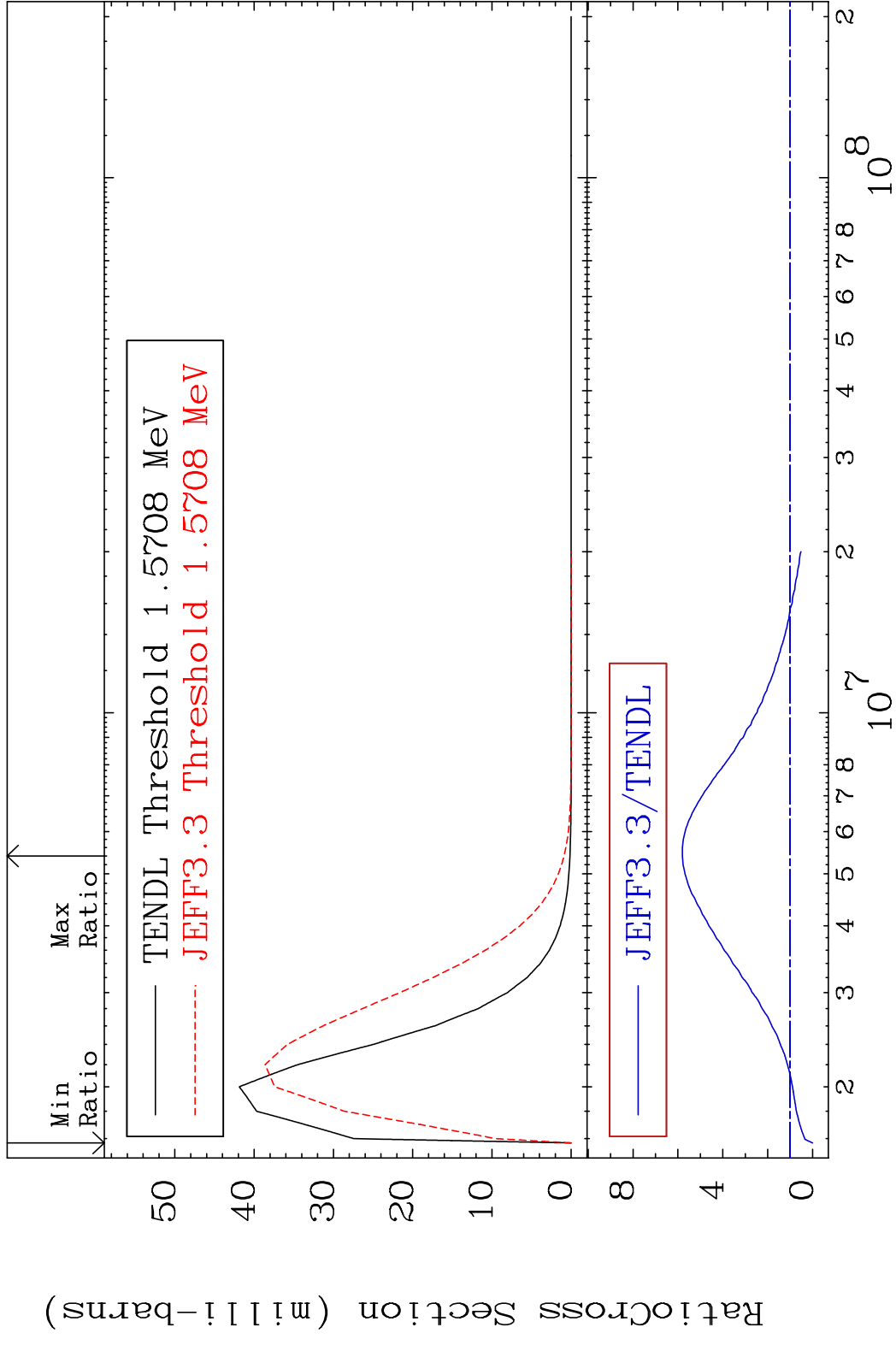
MAT 7225 MT= 72 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 482.9 %



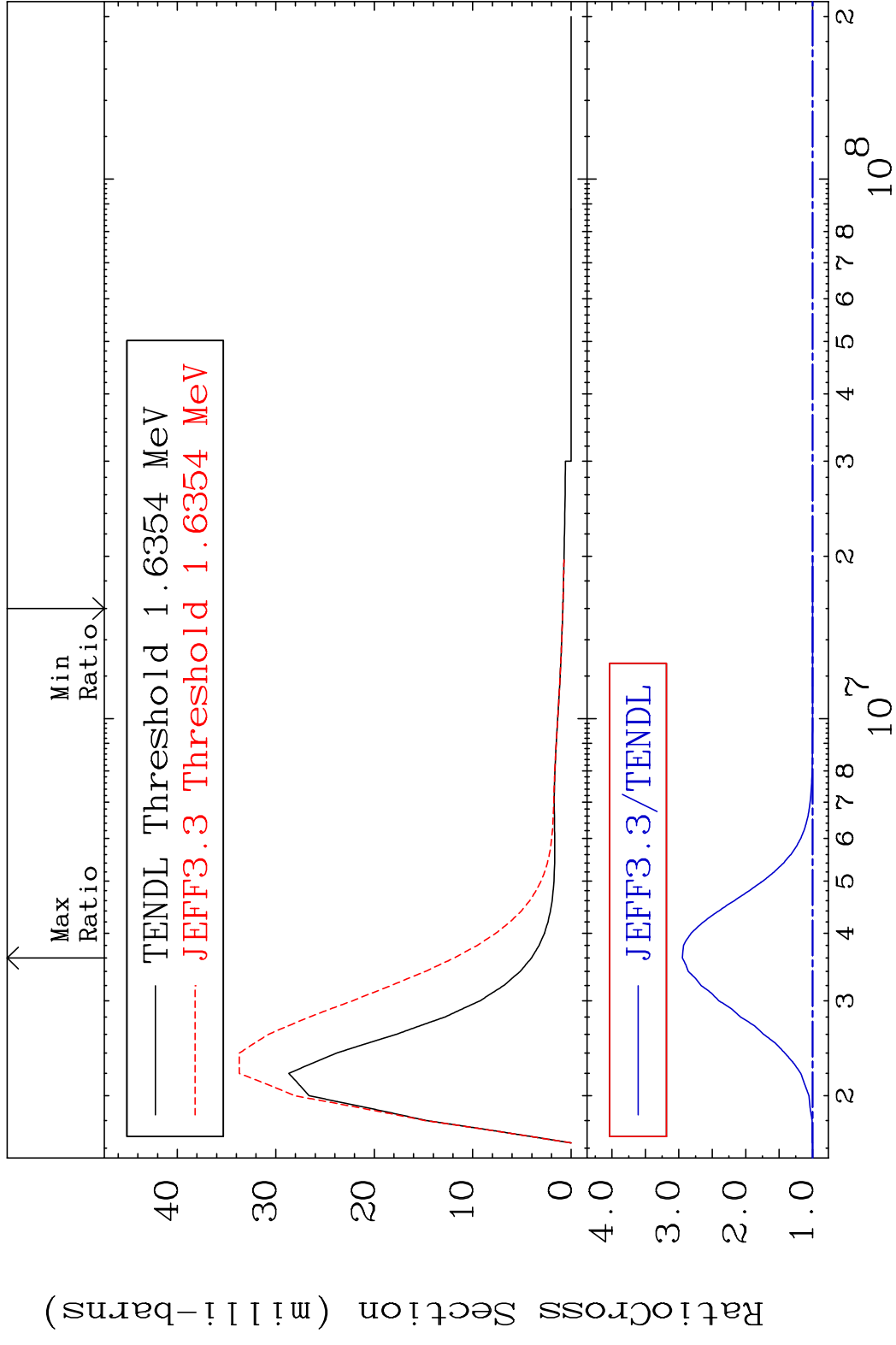
MAT 7225 MT= 73 (n, n') Level 72-Hf-174
 Cross Section -23.32 To 234.1 %



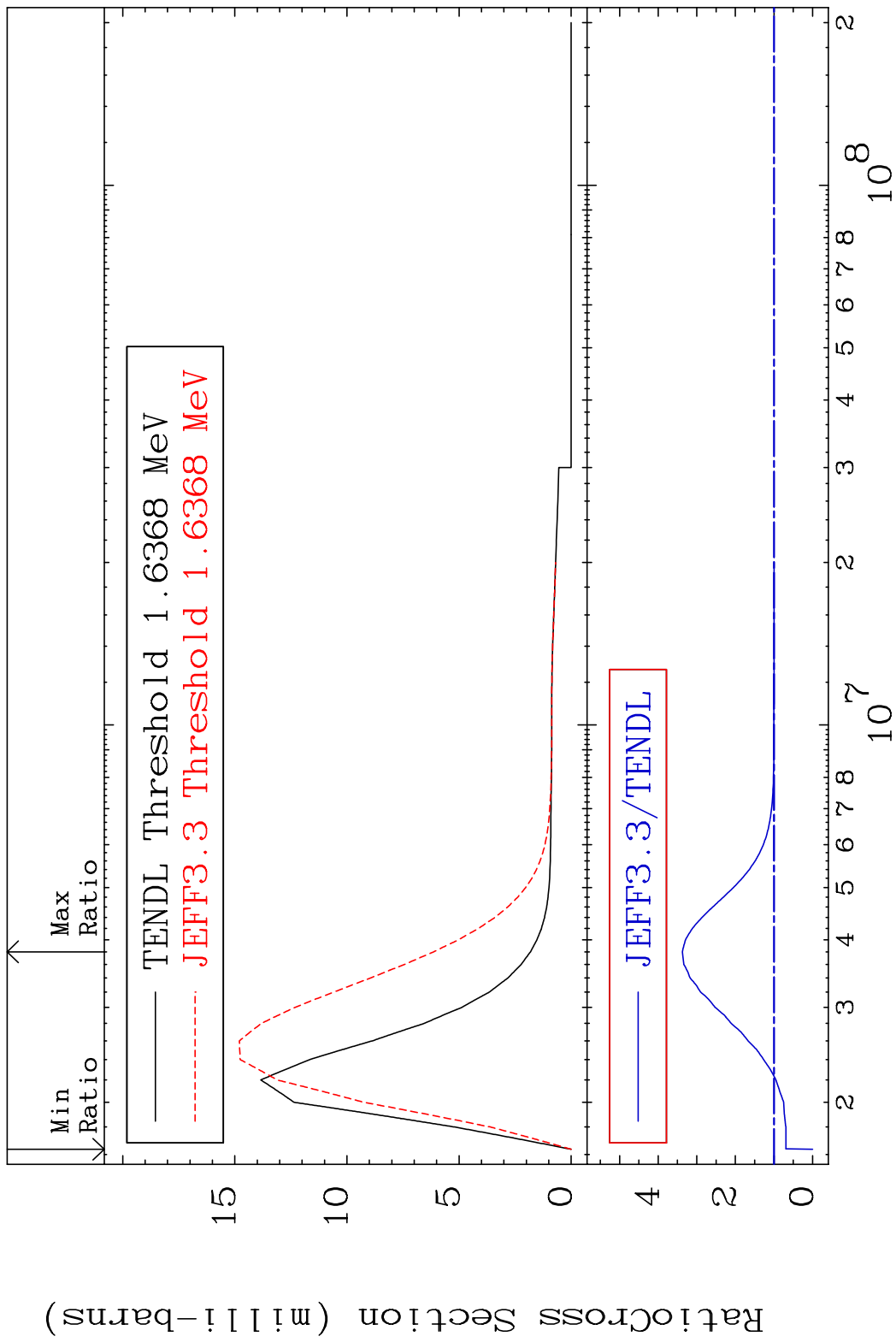
MAT 7225 MT= 74 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 480.2 %



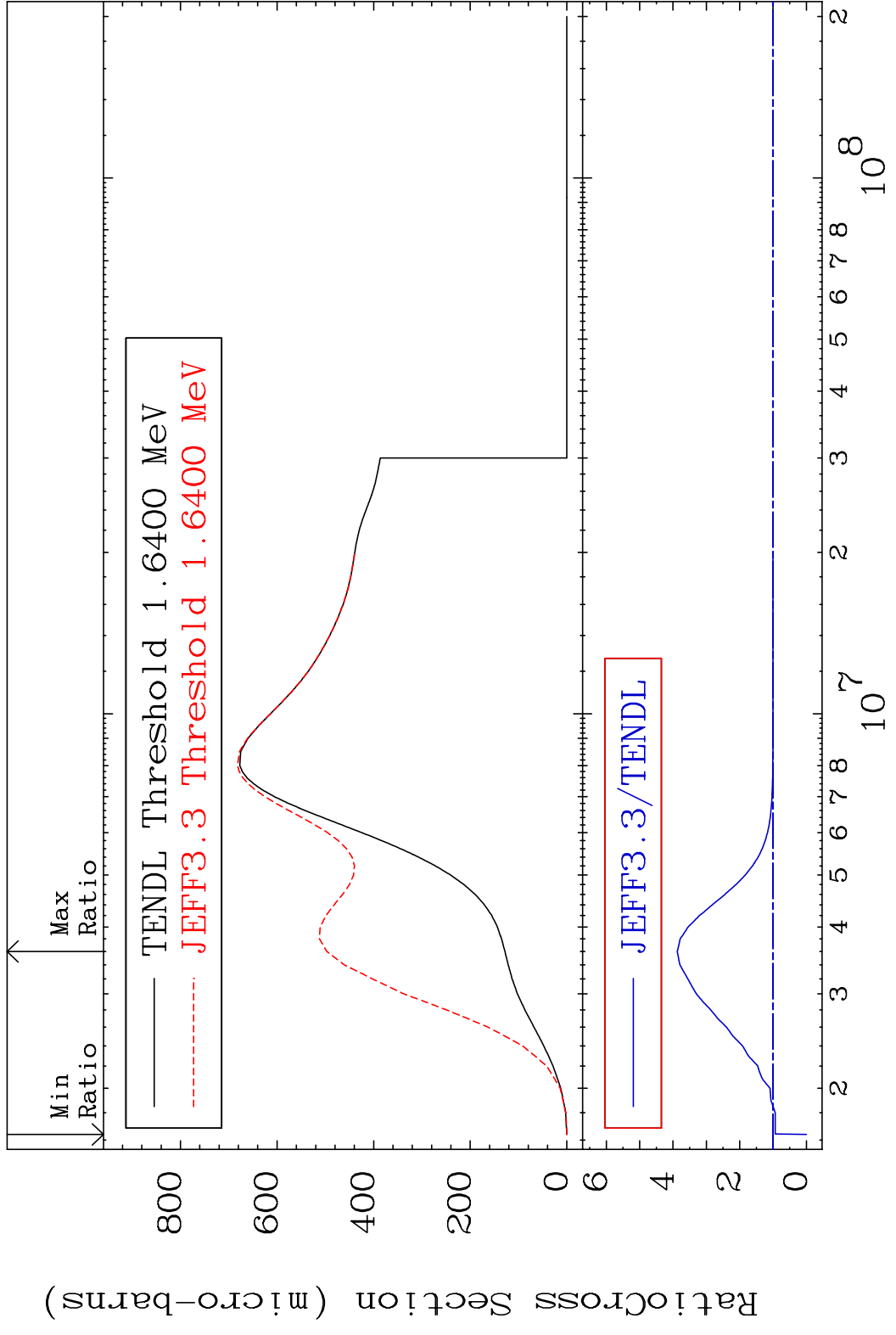
MAT 7225 MT= 75 (n, n') Level 72-Hf-174
 Cross Section 0.000 To 194.7 %



MAT 7225 MT= 76 (n,n') Level 72-Hf-174
 Cross Section -100.0 To 237.3 %

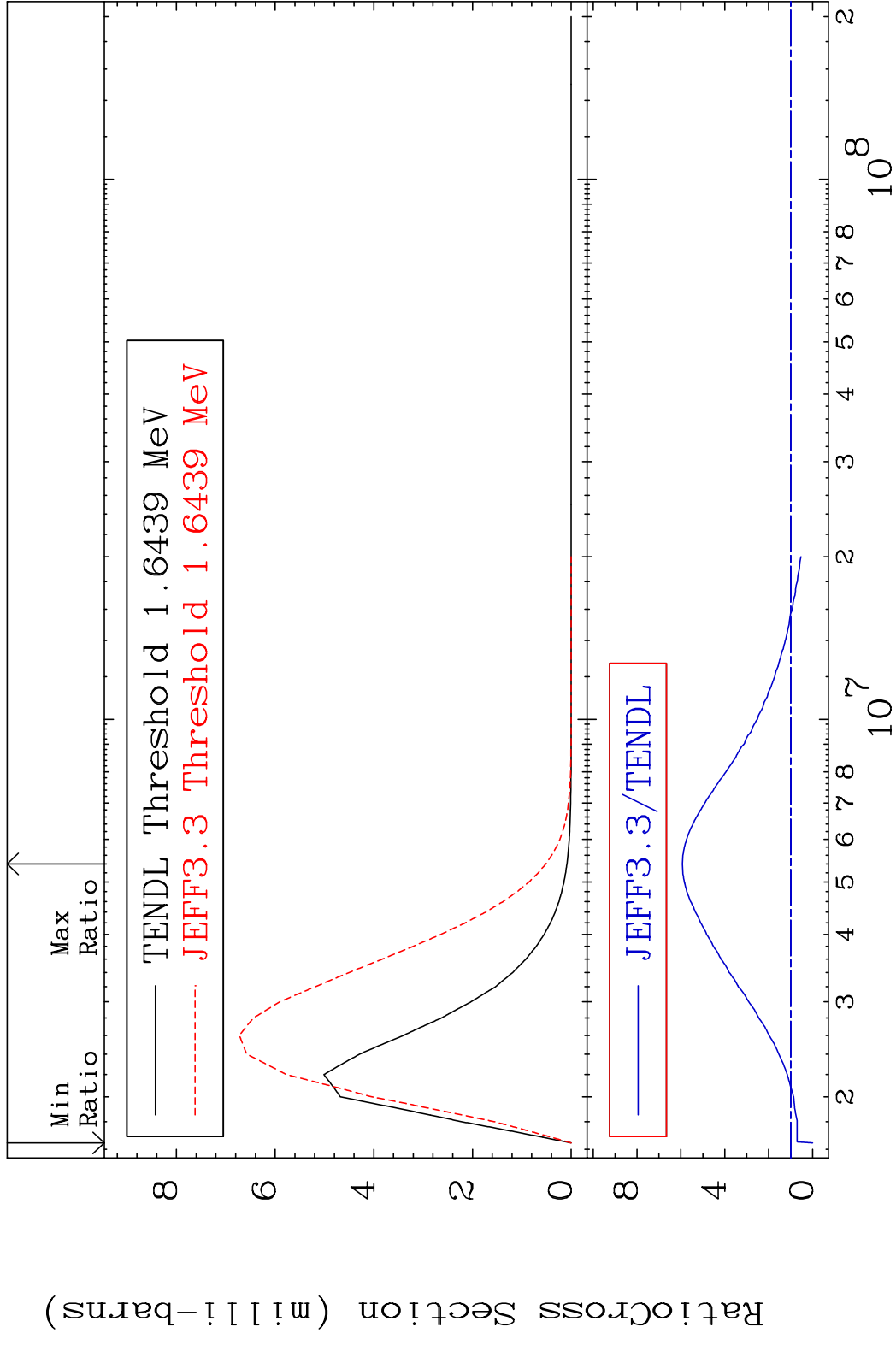


MAT 7225 MT= 77 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 287.5 %

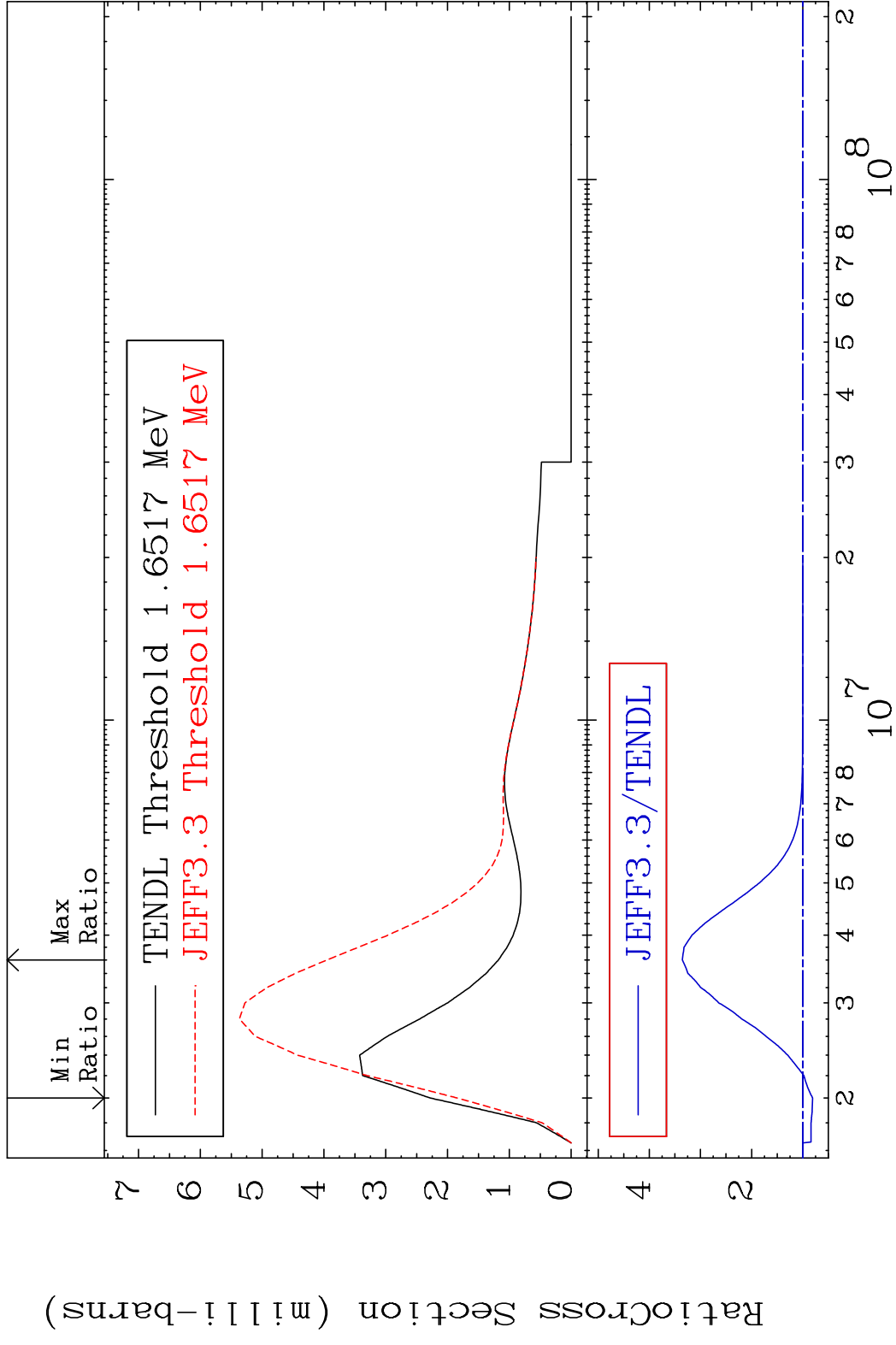


40 Incident Energy (eV) 72-Hf-174

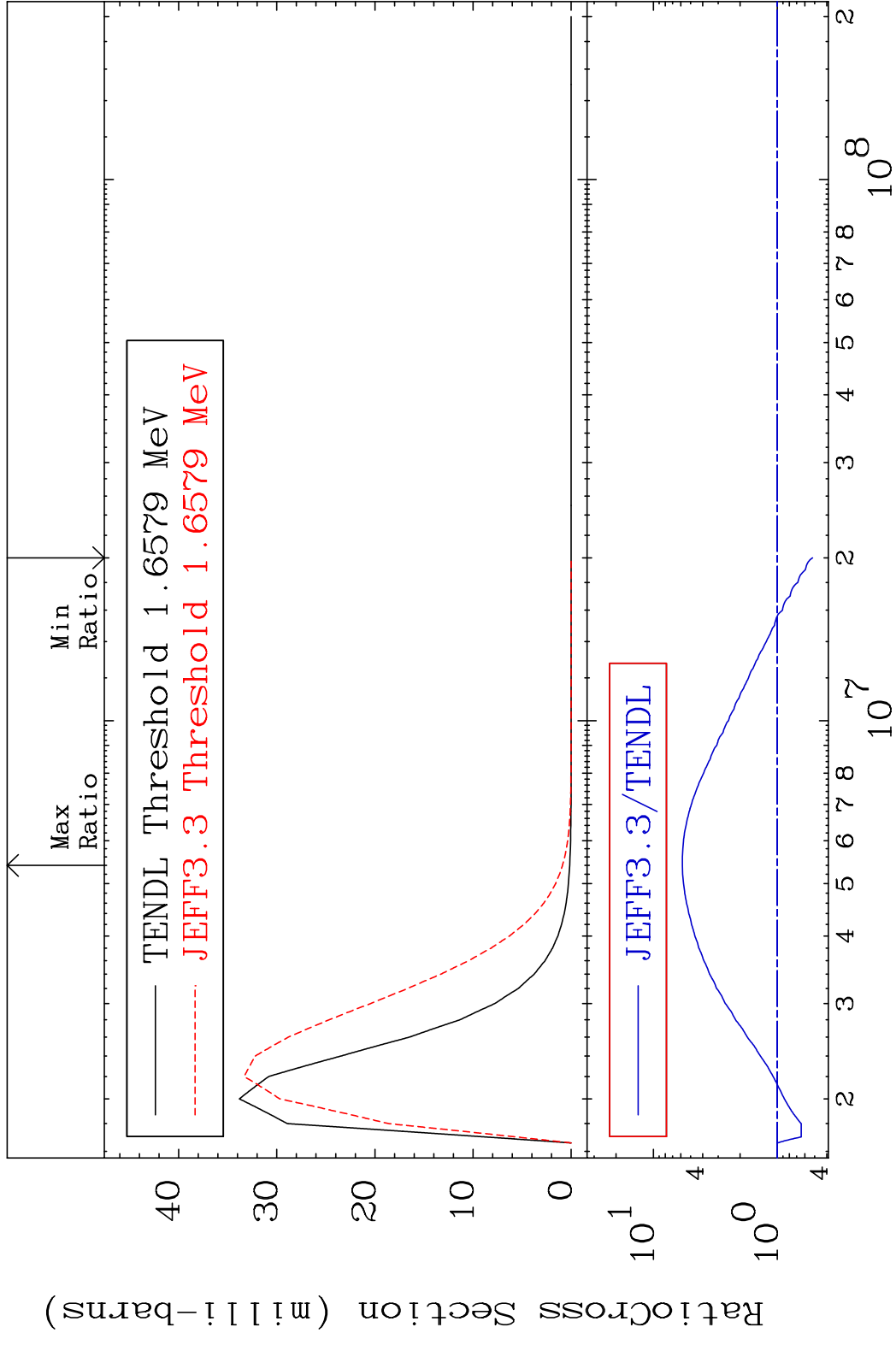
MAT 7225 MT= 78 (n,n') Level 72-Hf-174
 Cross Section -100.0 To 493.3 %



MAT 7225 MT= 79 (n,n') Level 72-Hf-174
 Cross Section -19.15 To 235.4 %



MAT 7225 MT= 80 (n, n') Level 72-Hf-174
 Cross Section -47.98 To 483.5 %

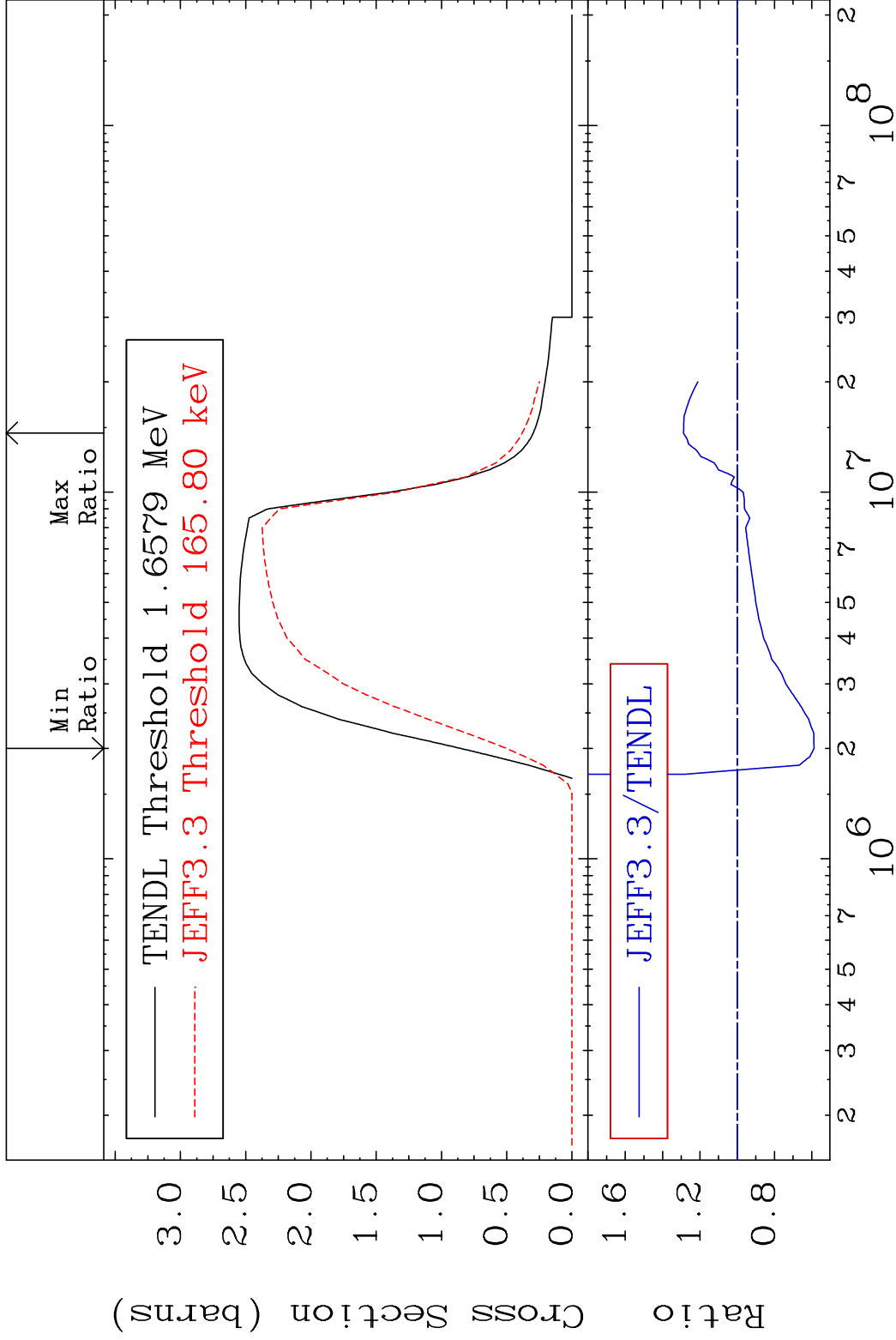


MAT 7225

(n, n') Continuum

72-Hf-174

Cross Section -41.24 To 28.80 %



44

Incident Energy (eV)

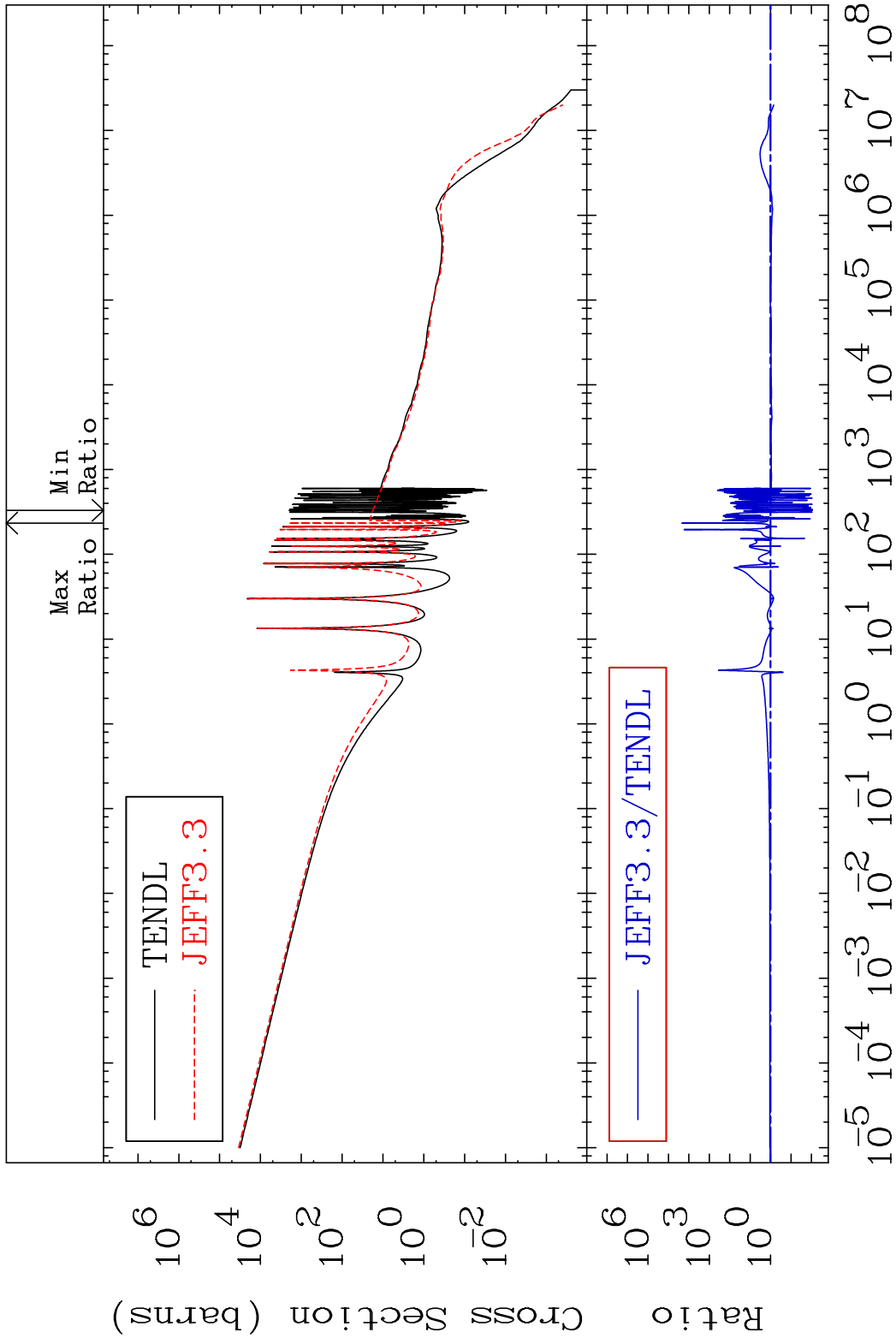
72-Hf-174

MAT 7225

(n, γ)

72-Hf-174

Cross Section -99.11 To 9999. %



45

Incident Energy (eV)

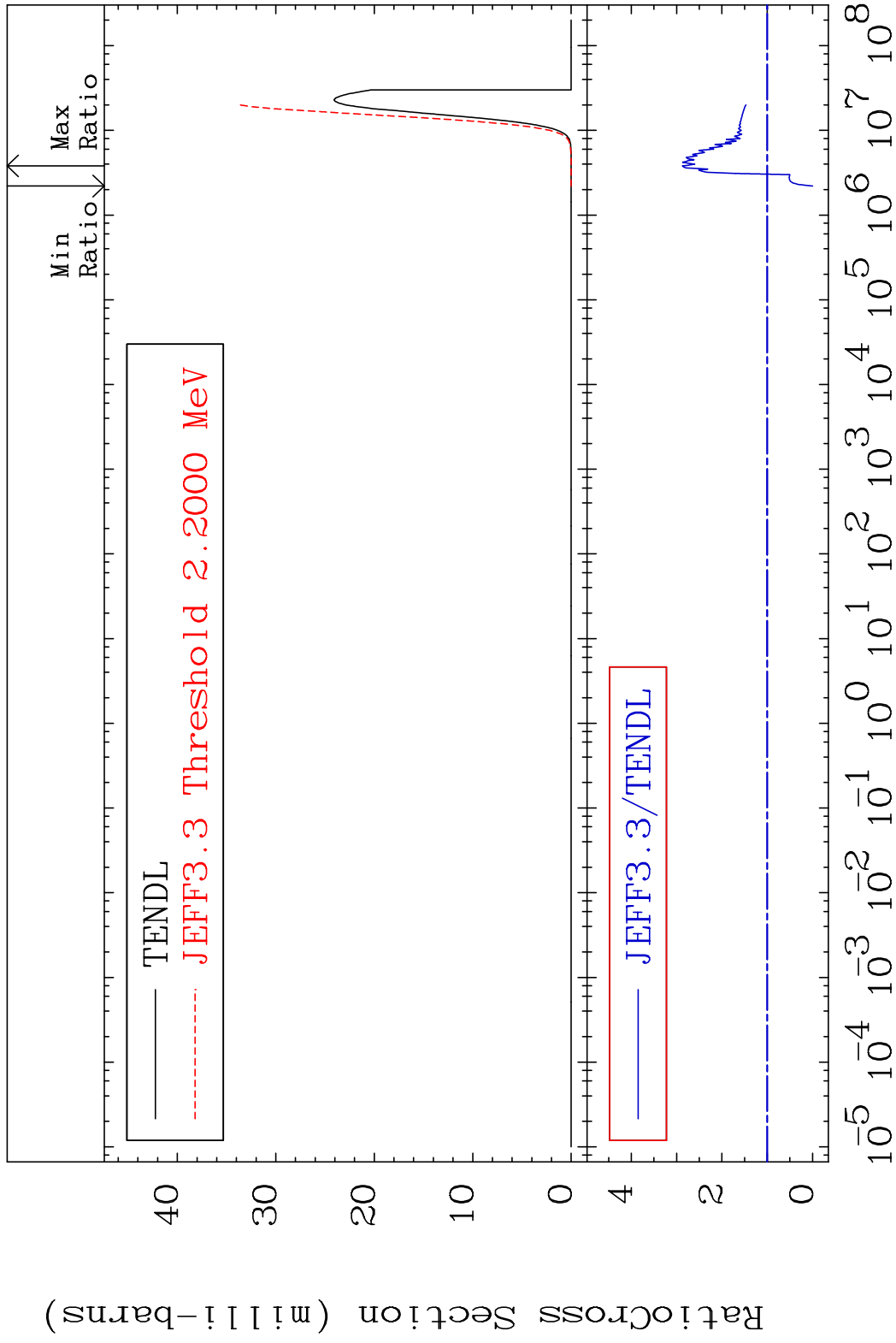
72-Hf-174

MAT 7225

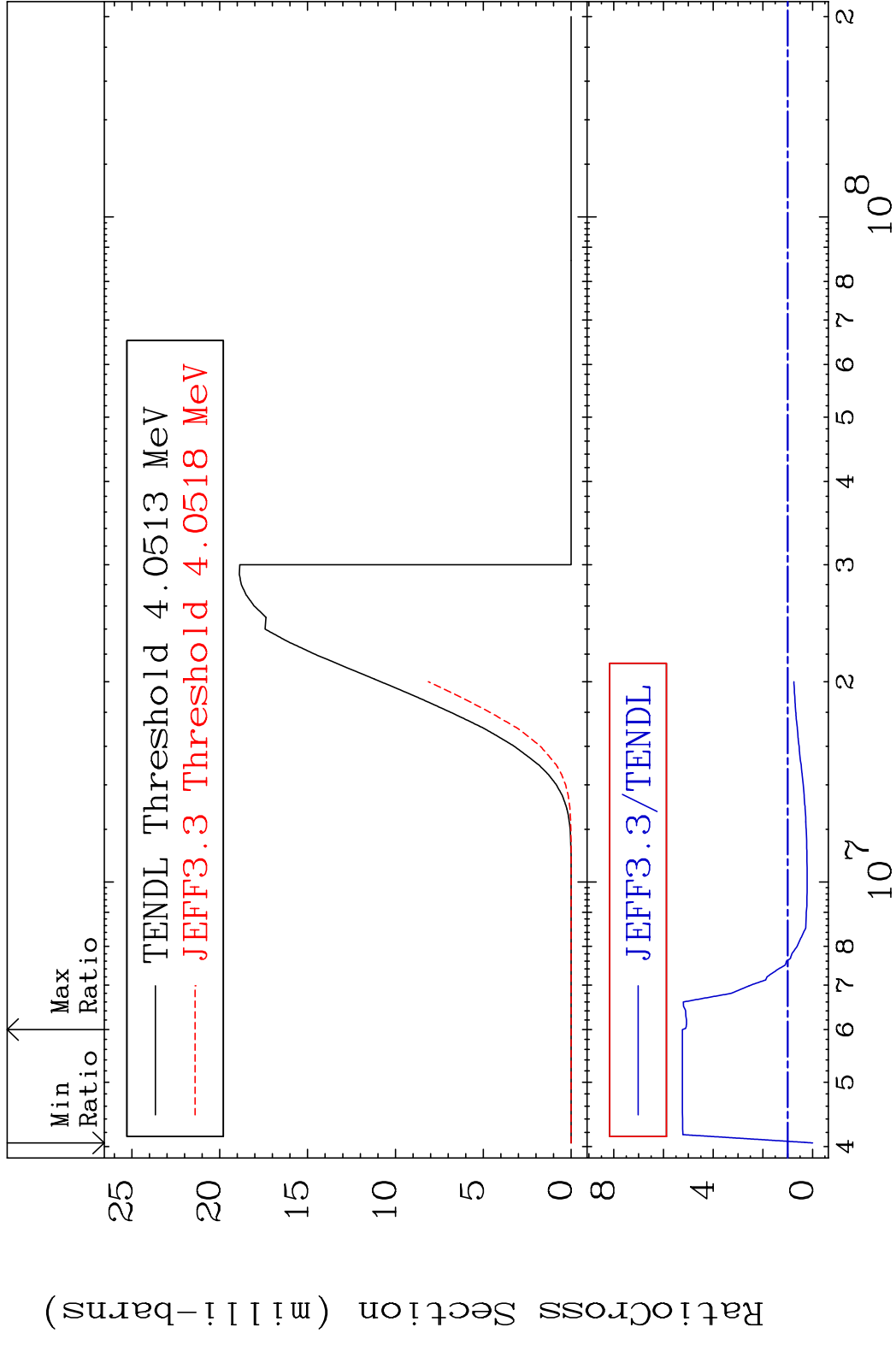
(n, p)

72-Hf-174

Cross Section -100.0 To 187.4 %



MAT 7225 (n,d) 72-Hf-174
 Cross Section -100.0 To 424.2 %

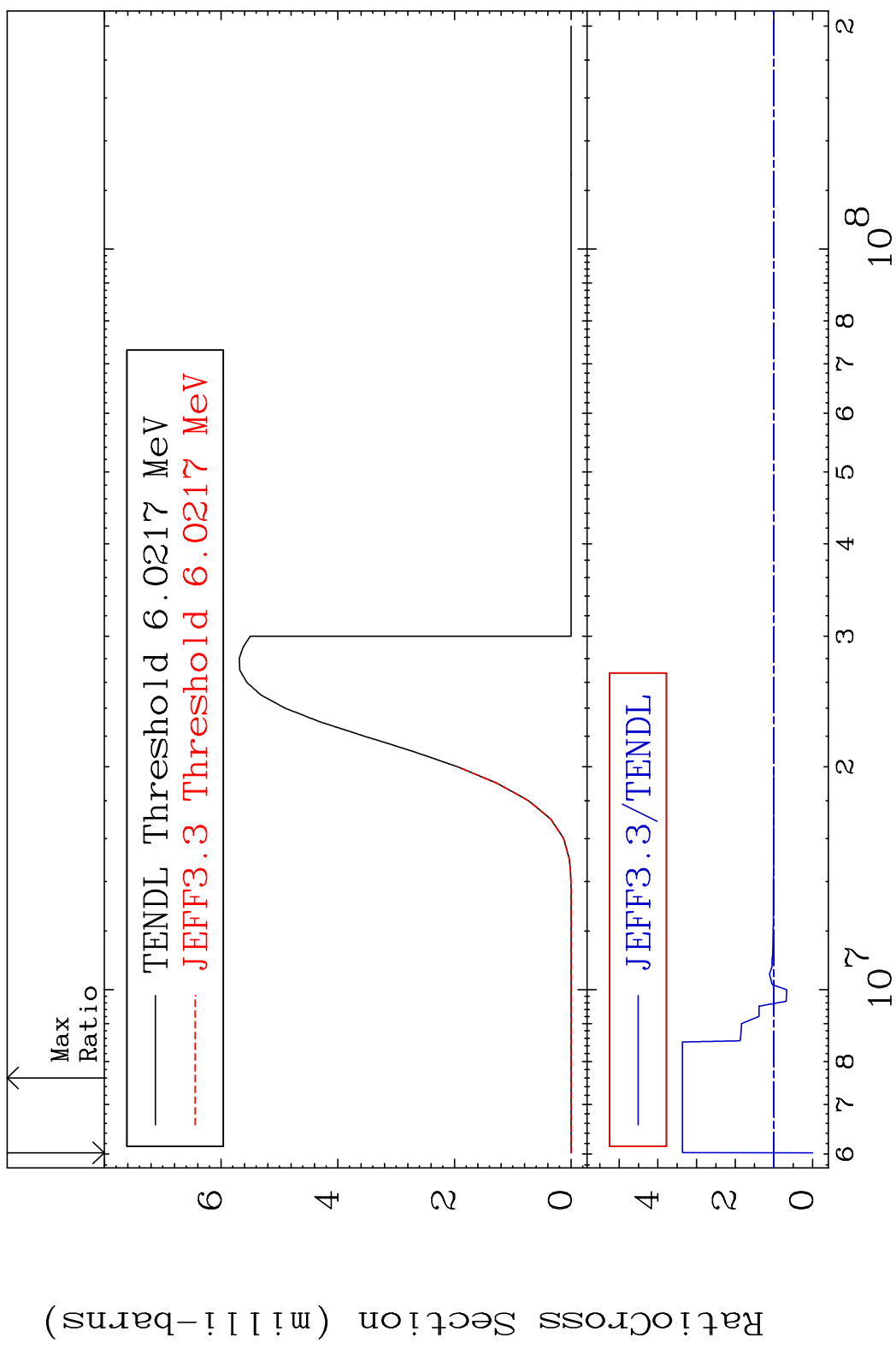


MAT 7225

(n, t)

72-Hf-174

Cross Section -100.0 To 236.6 %

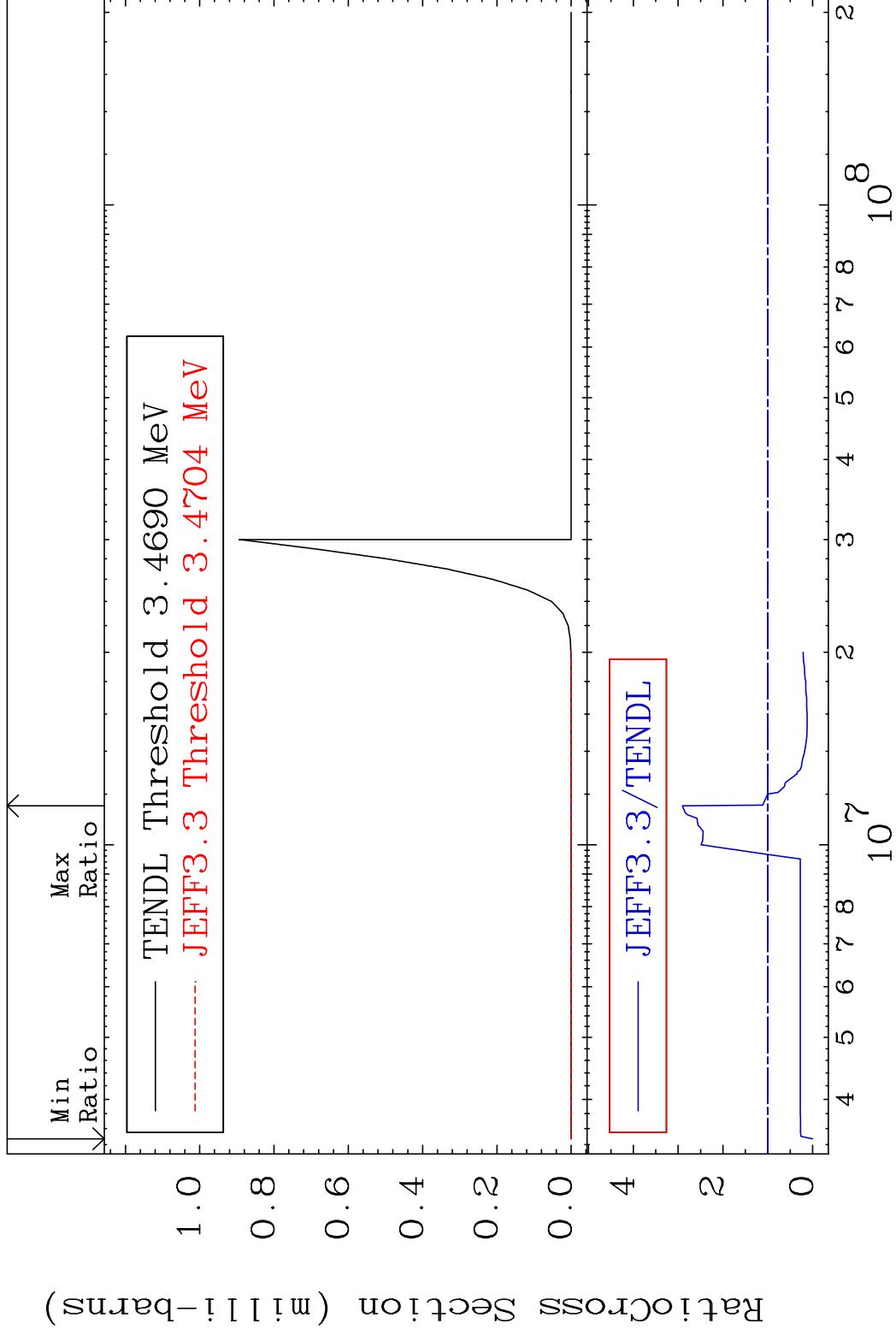


MAT 7225

(n, He-3)

72-Hf-174

Cross Section -100.0 To 190.6 %



49

Incident Energy (eV)

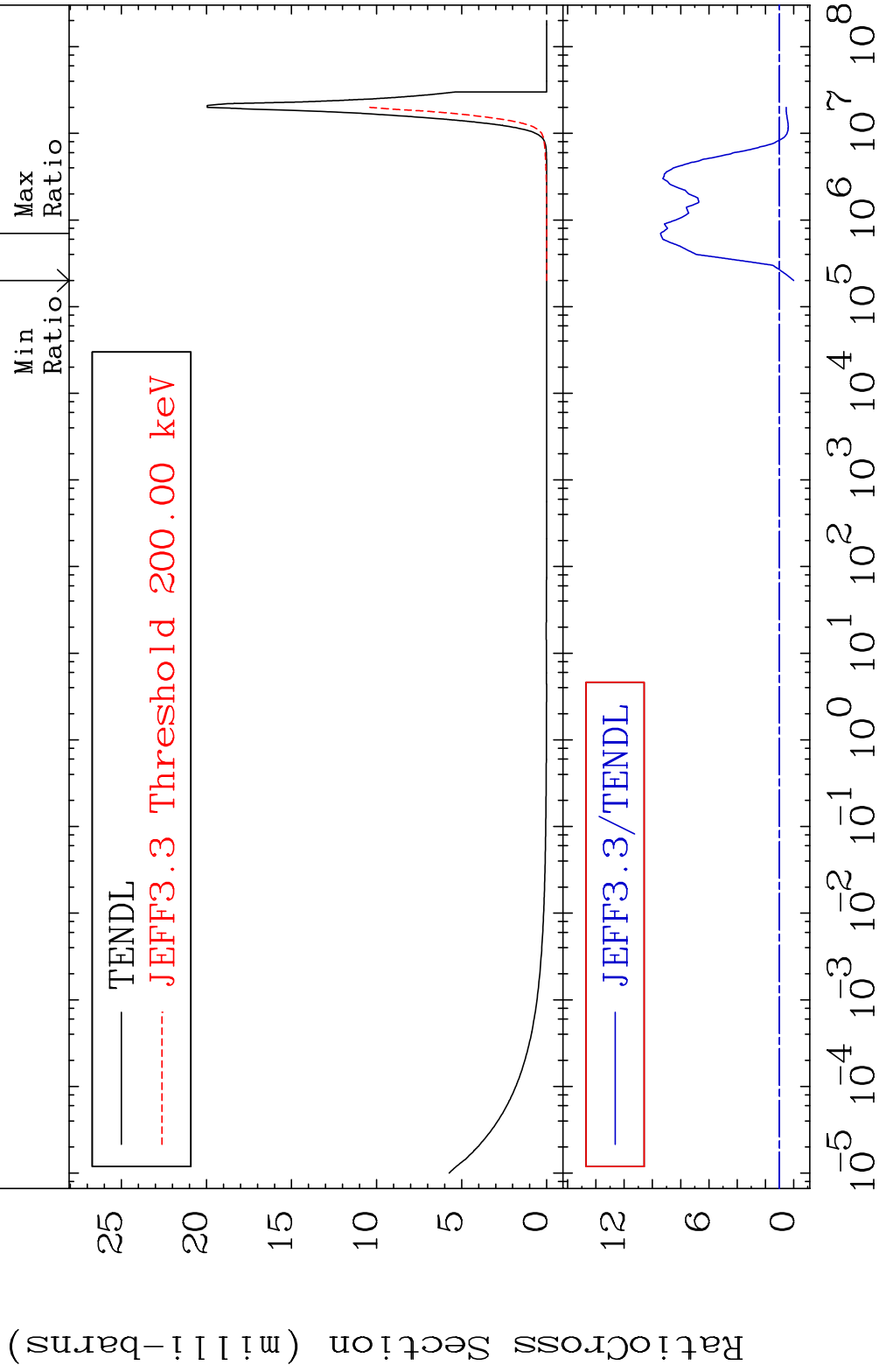
72-Hf-174

MAT 7225

(n, α)

72-Hf-174

Cross Section -100.0 To 843.2 %

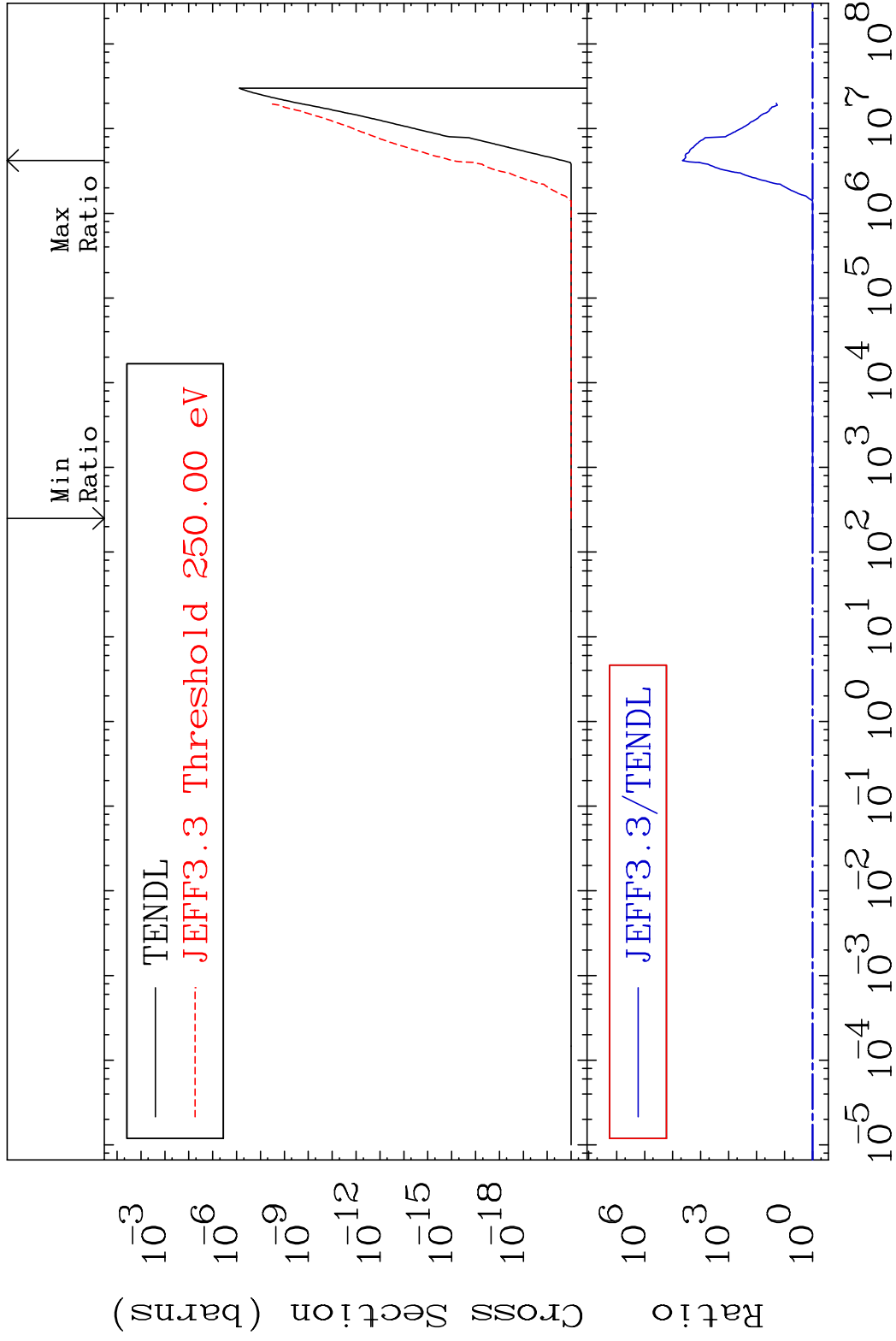


MAT 7225

(n, 2α)

72-Hf-174

Cross Section 0.000 To 9999. %



51

Incident Energy (eV)

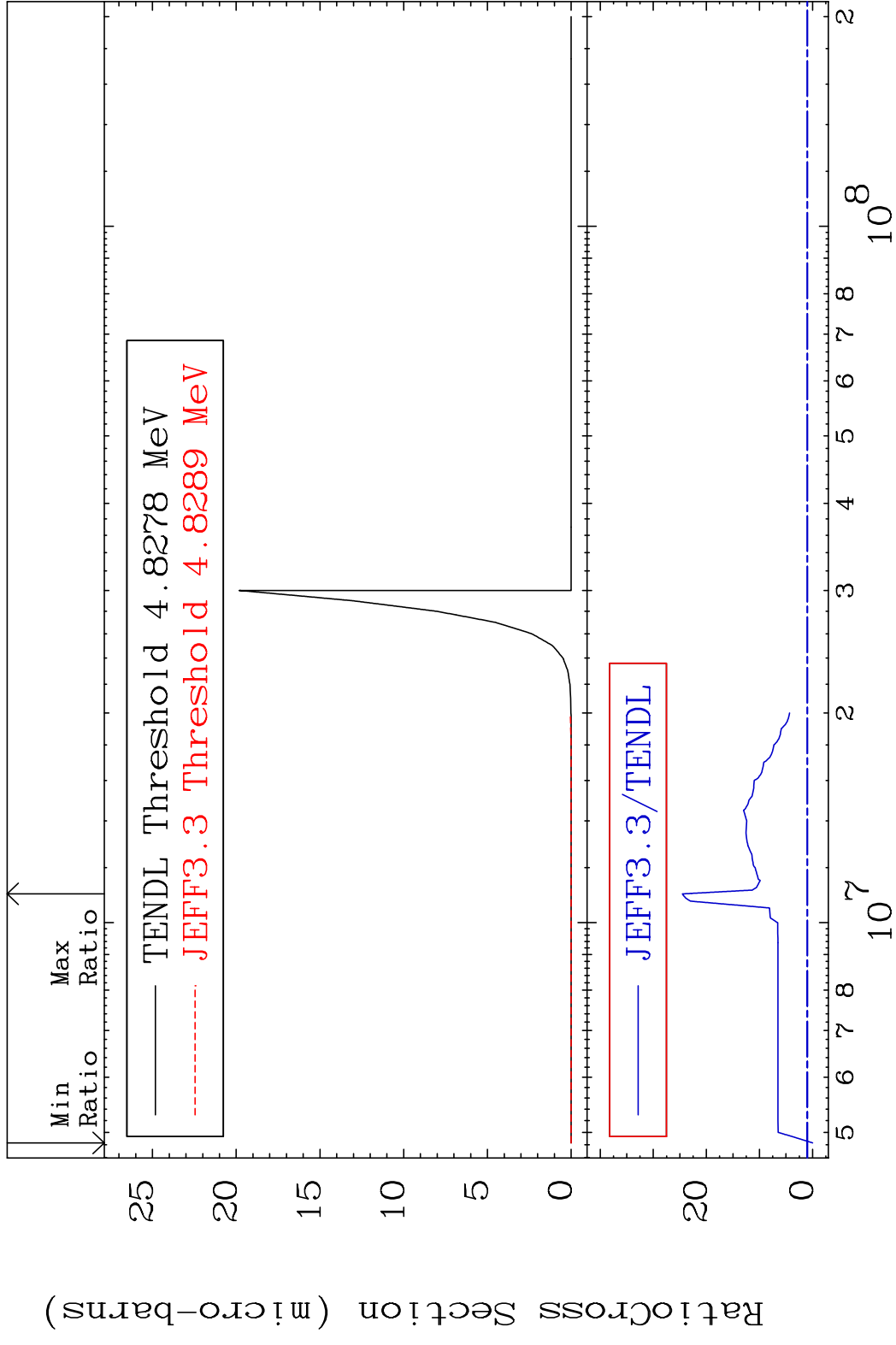
72-Hf-174

MAT 7225

(n,2p)

72-Hf-174

Cross Section -100.0 To 2353. %

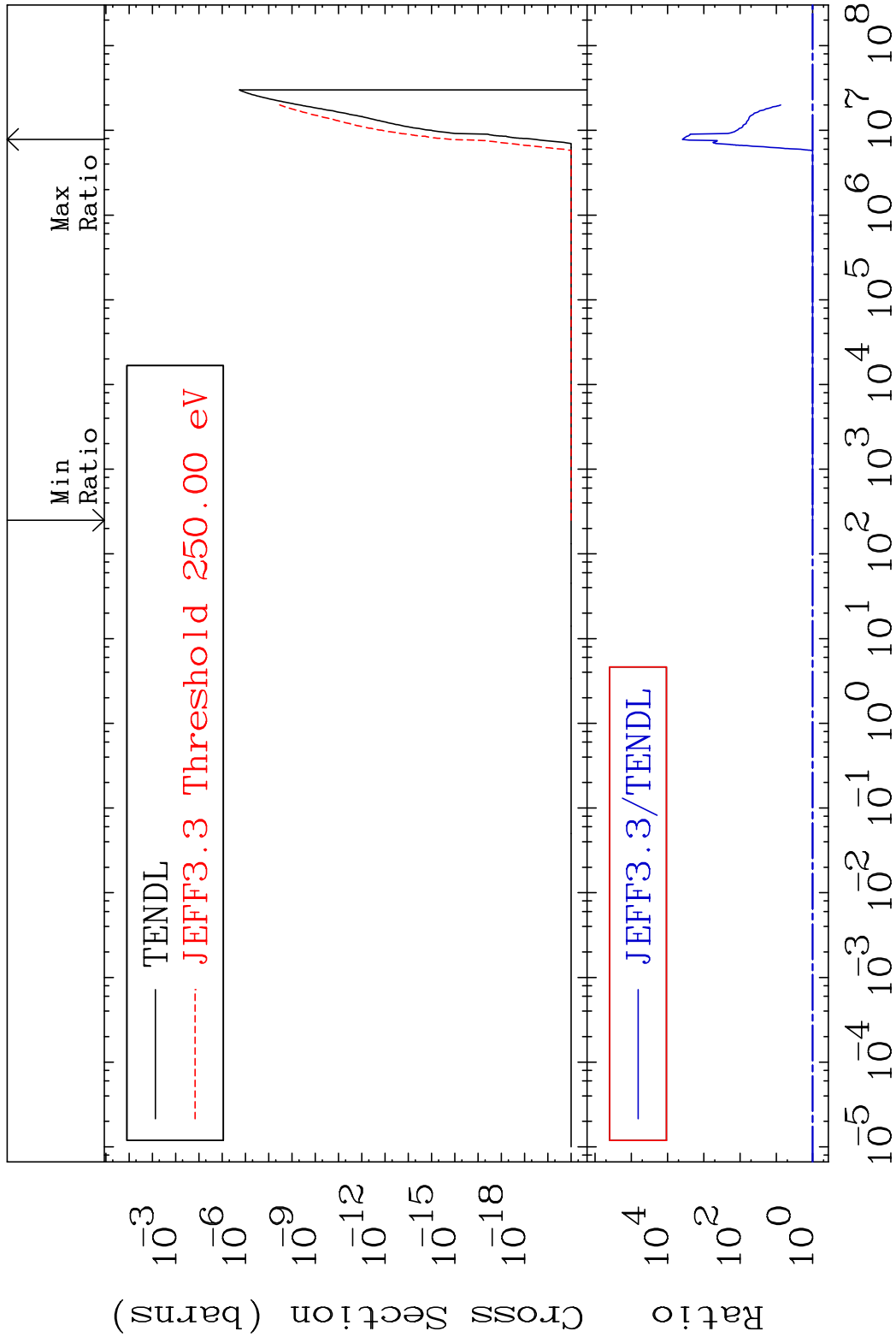


MAT 7225

(n,p) α

72-Hf-174

Cross Section 0.000 To 9999. %

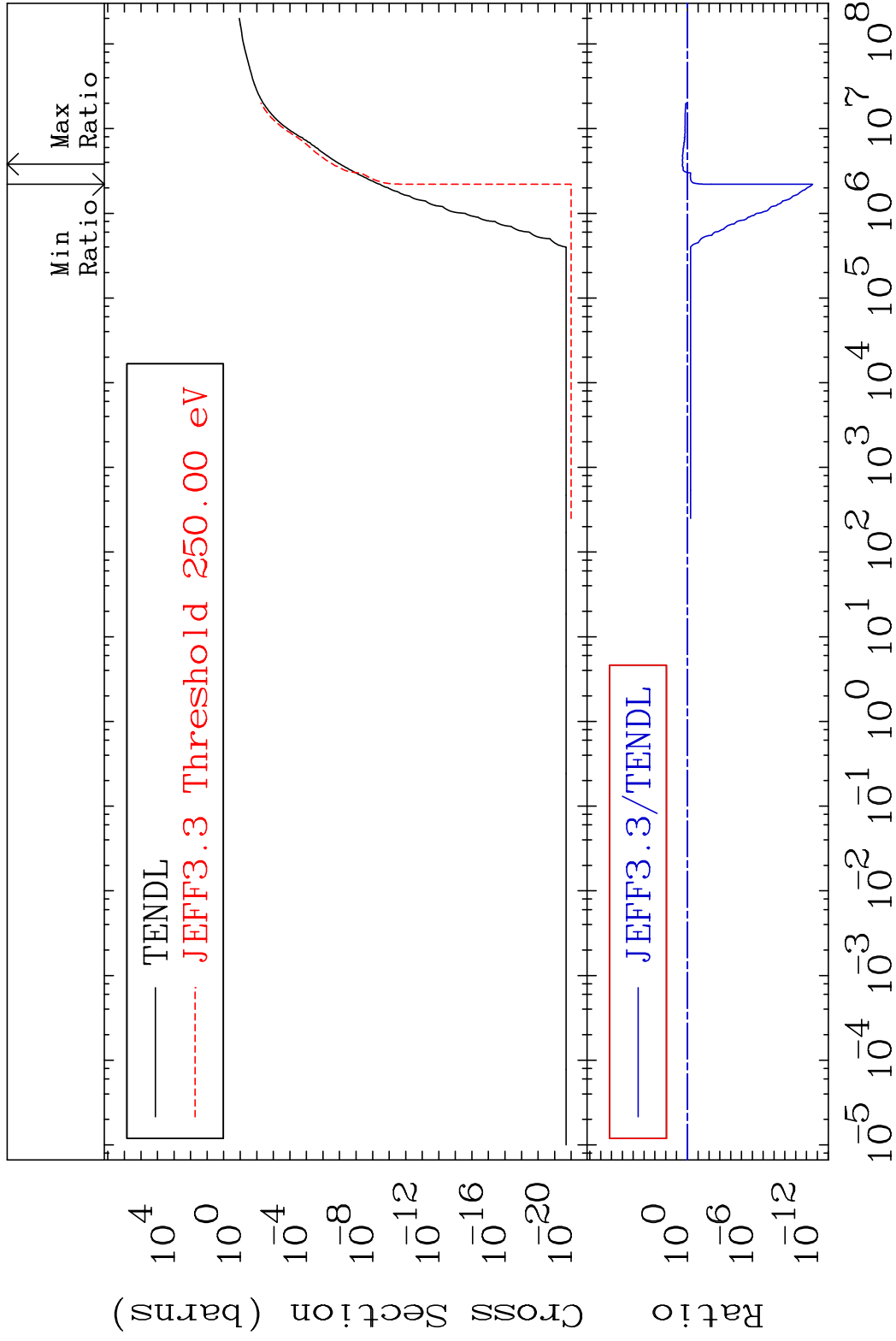


53

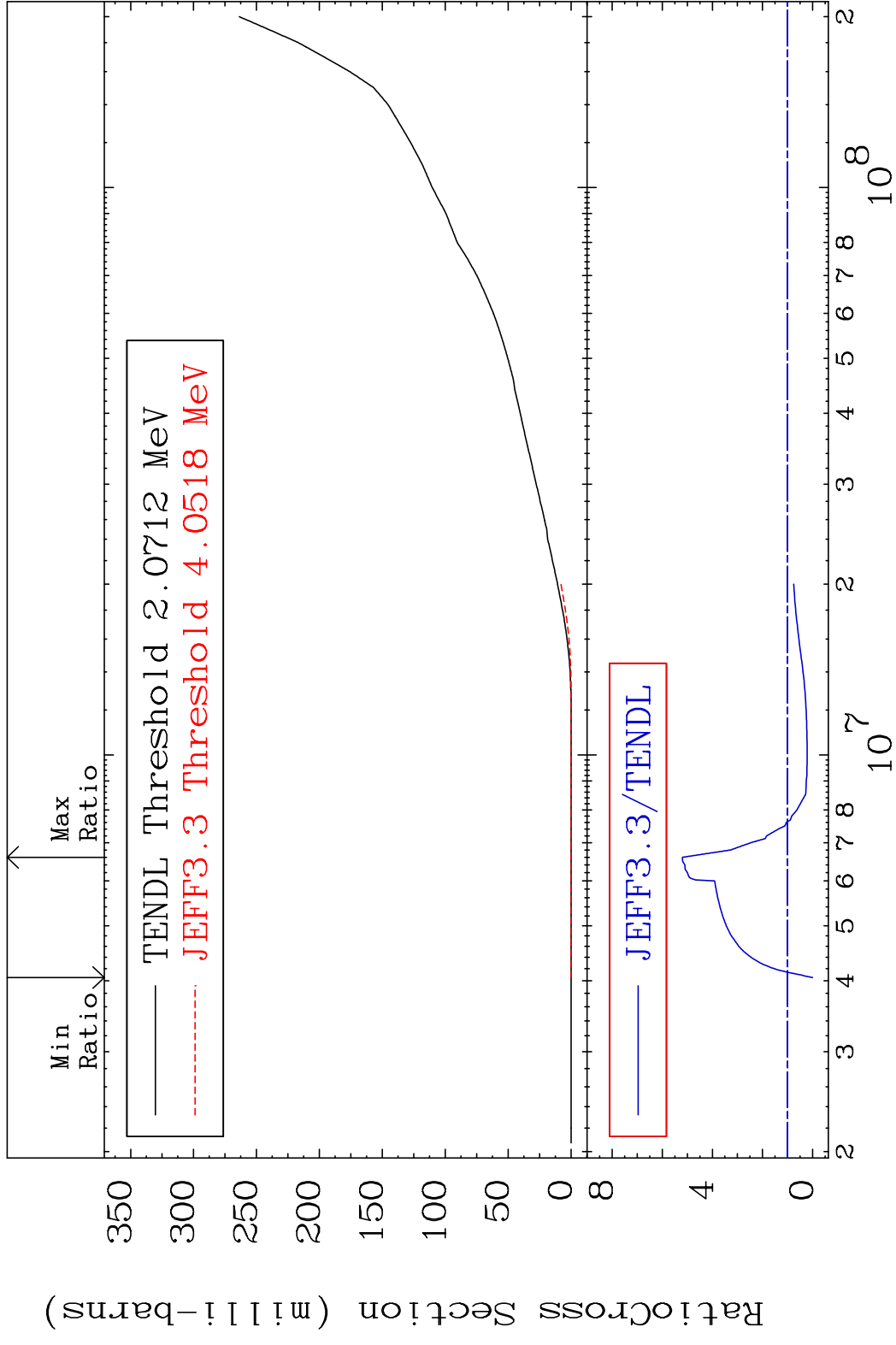
Incident Energy (eV)

72-Hf-174

Cross Section -100.0 To 187.4 %

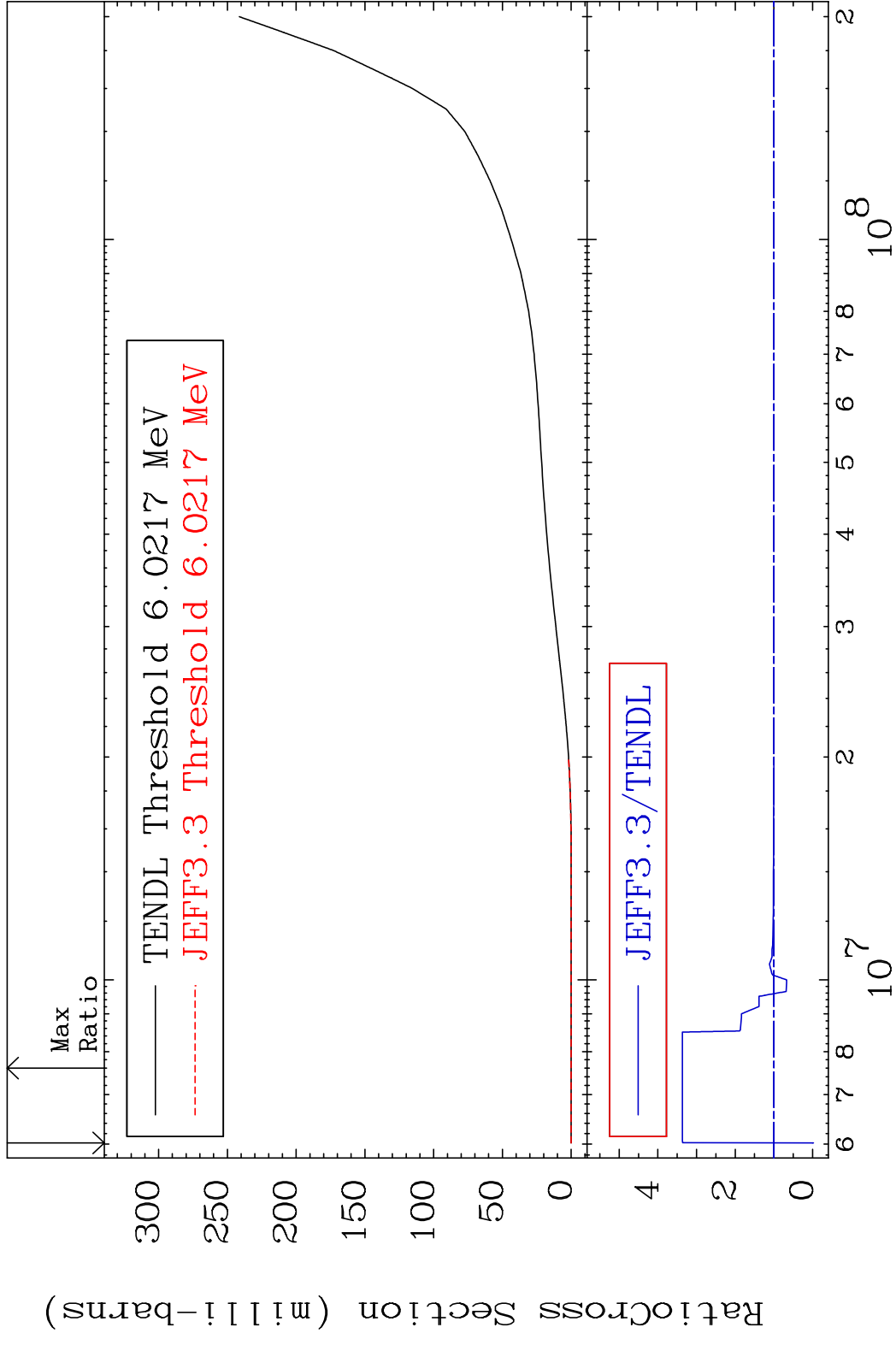


Cross Section -100.0 To 419.9 %



MAT 7225

Tritium Production 72-Hf-174
Cross Section -100.0 To 236.6 %

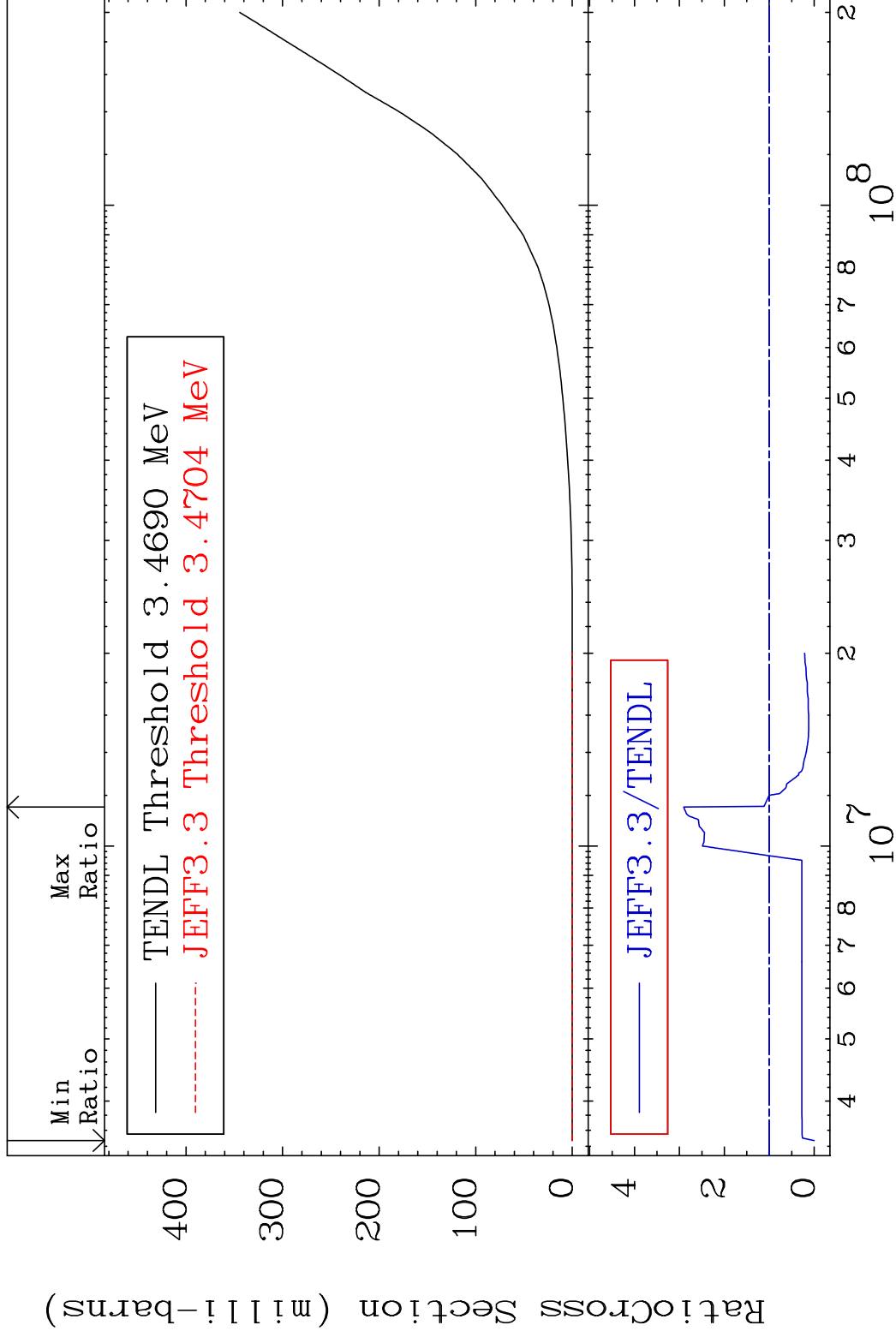


MAT 7225

He-3 Production

72-Hf-174

Cross Section -100.0 To 190.6 %

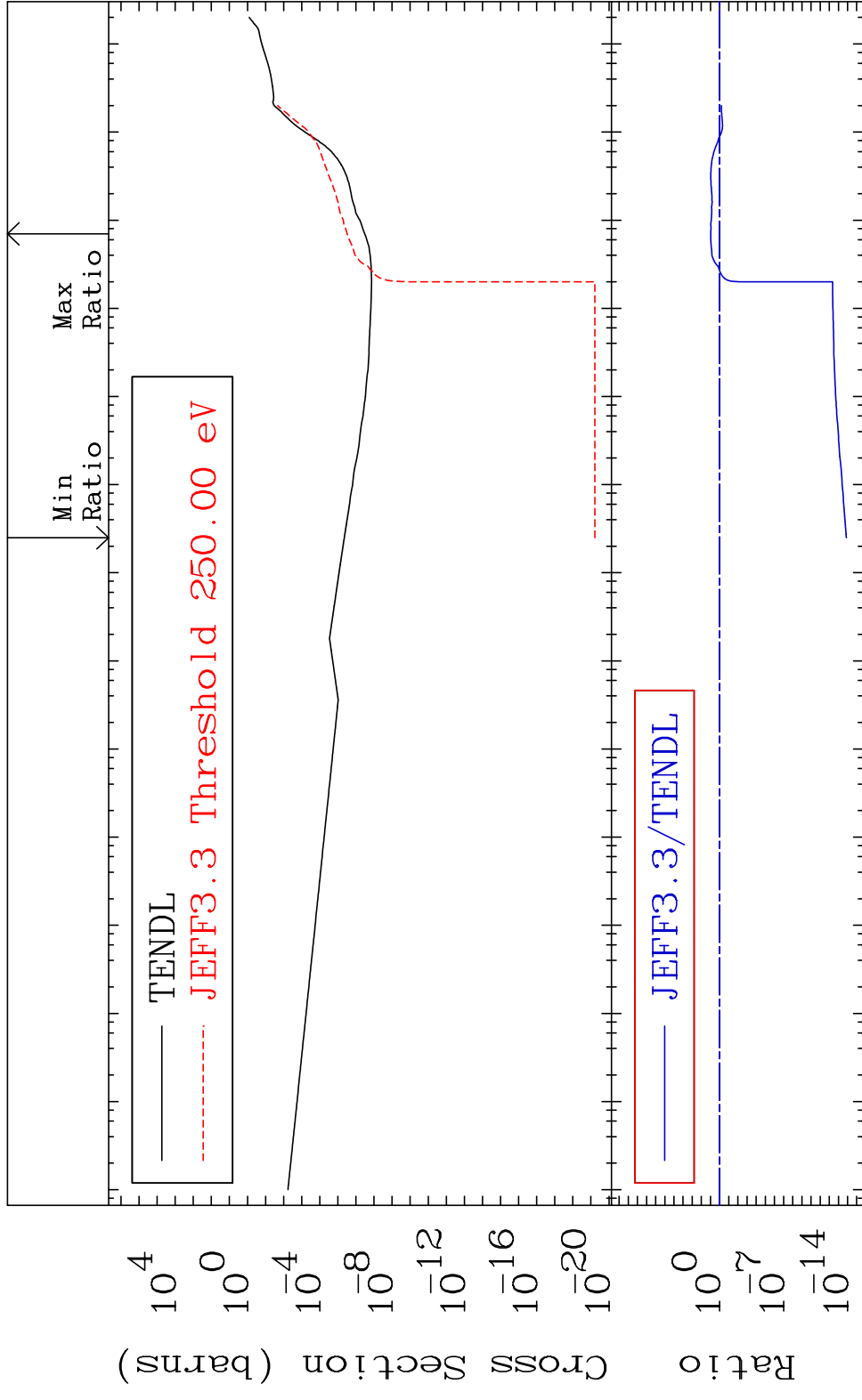


MAT 7225

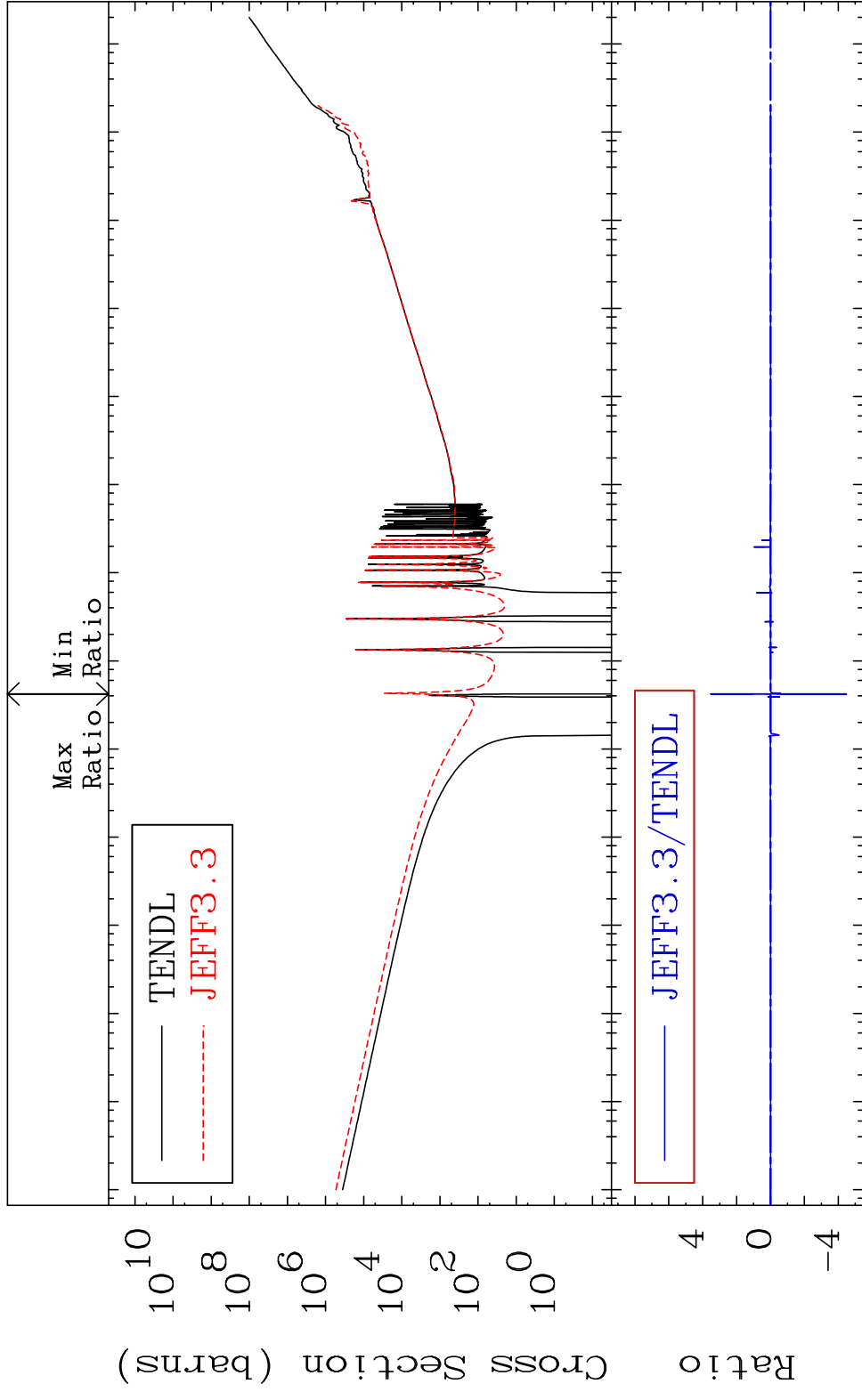
He-4 Production

72-Hf-174

Cross Section -100.0 To 843.2 %



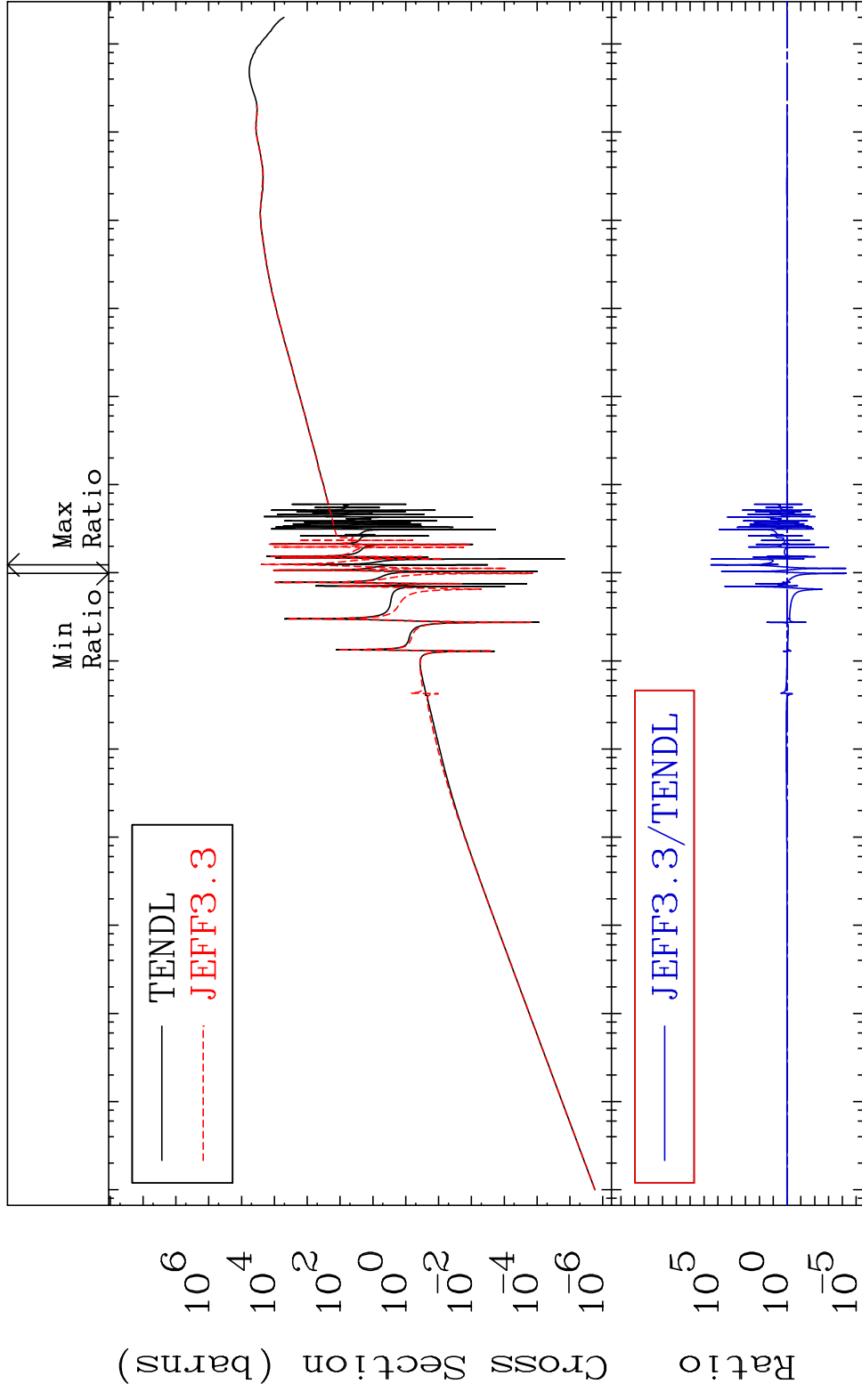
MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -9999. To 9999. %



MAT 7225

Kerma elastic
Cross Section

72-Hf-174
-99.99 To 9999. %

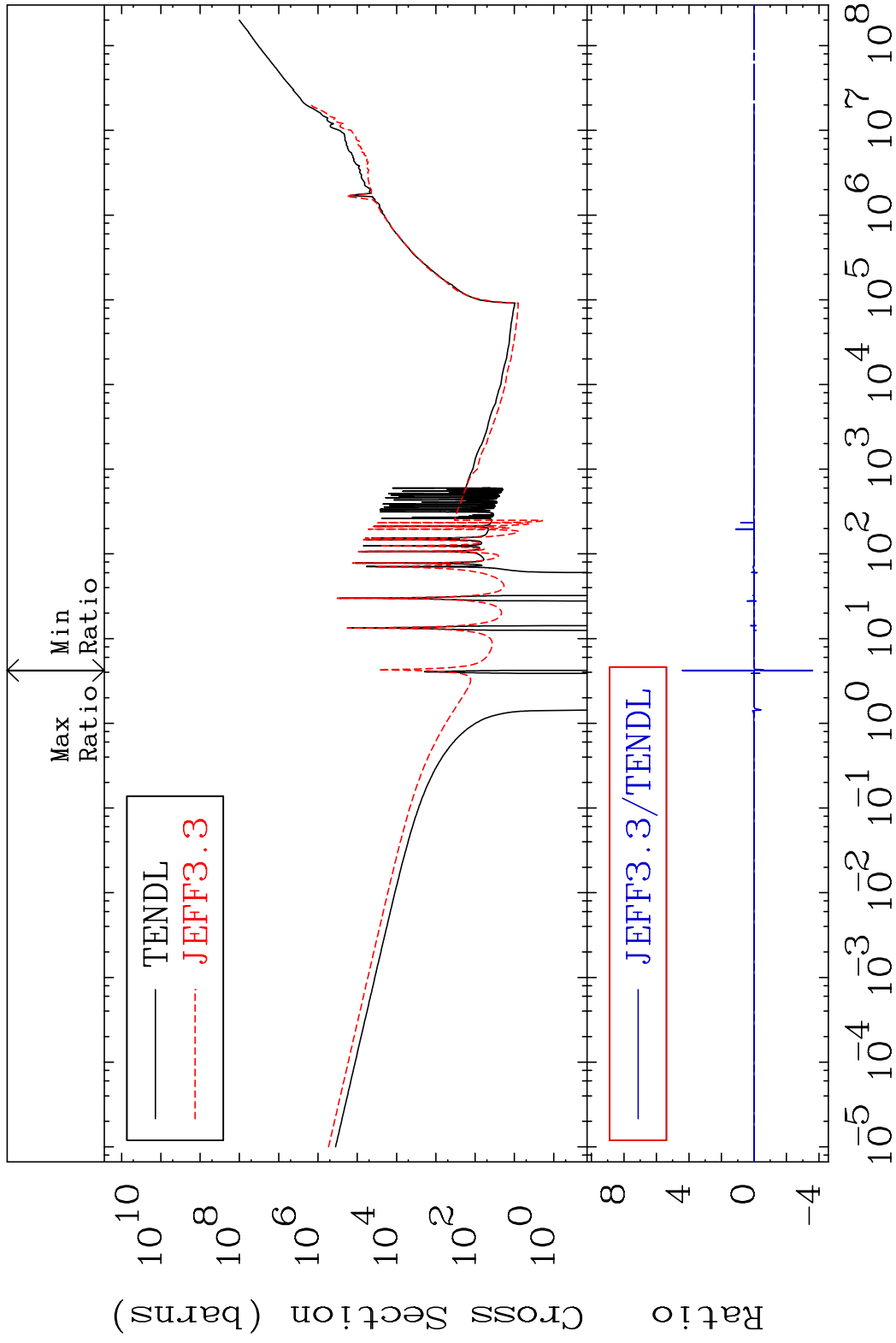


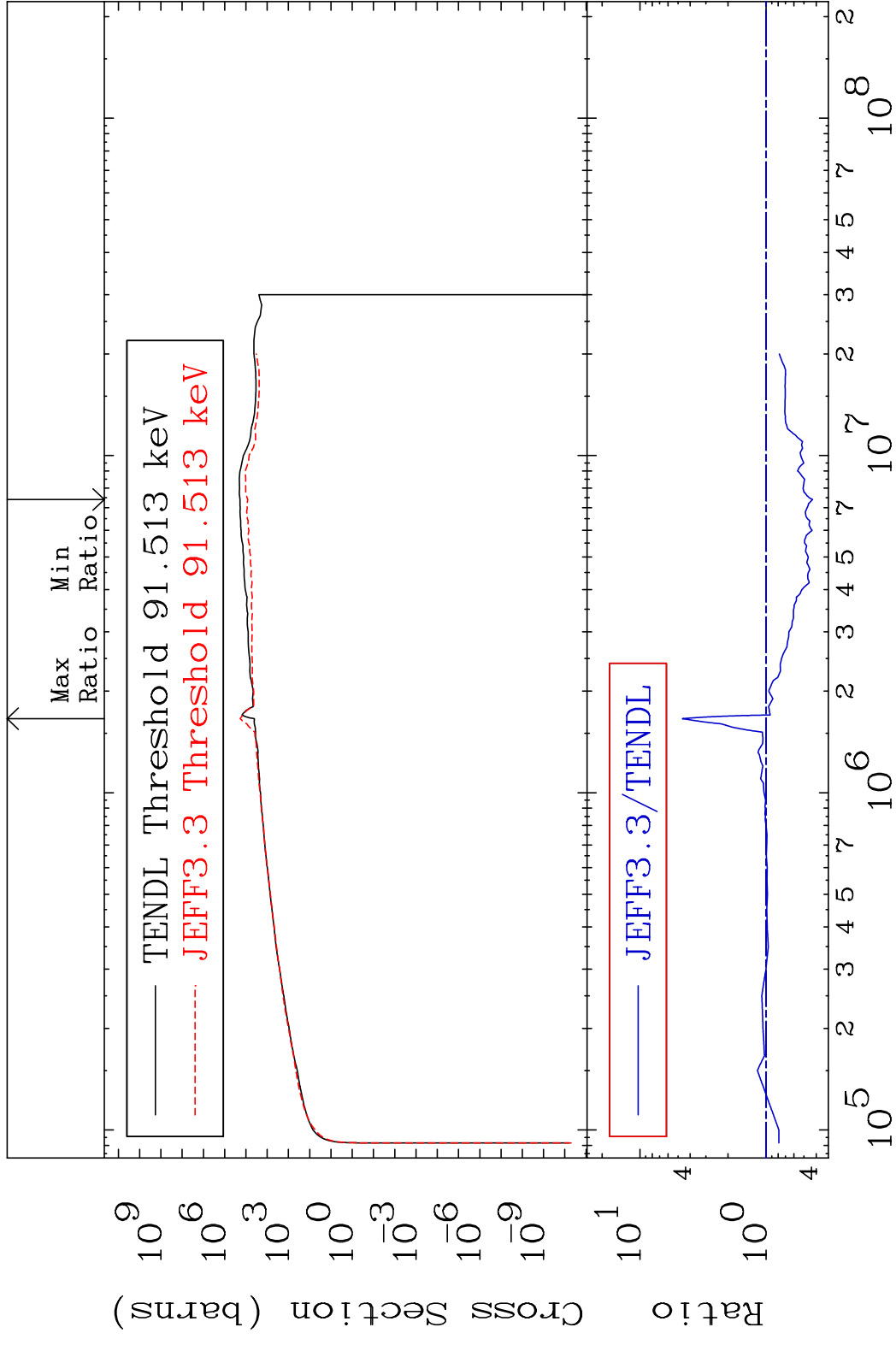
Incident Energy (eV)

60

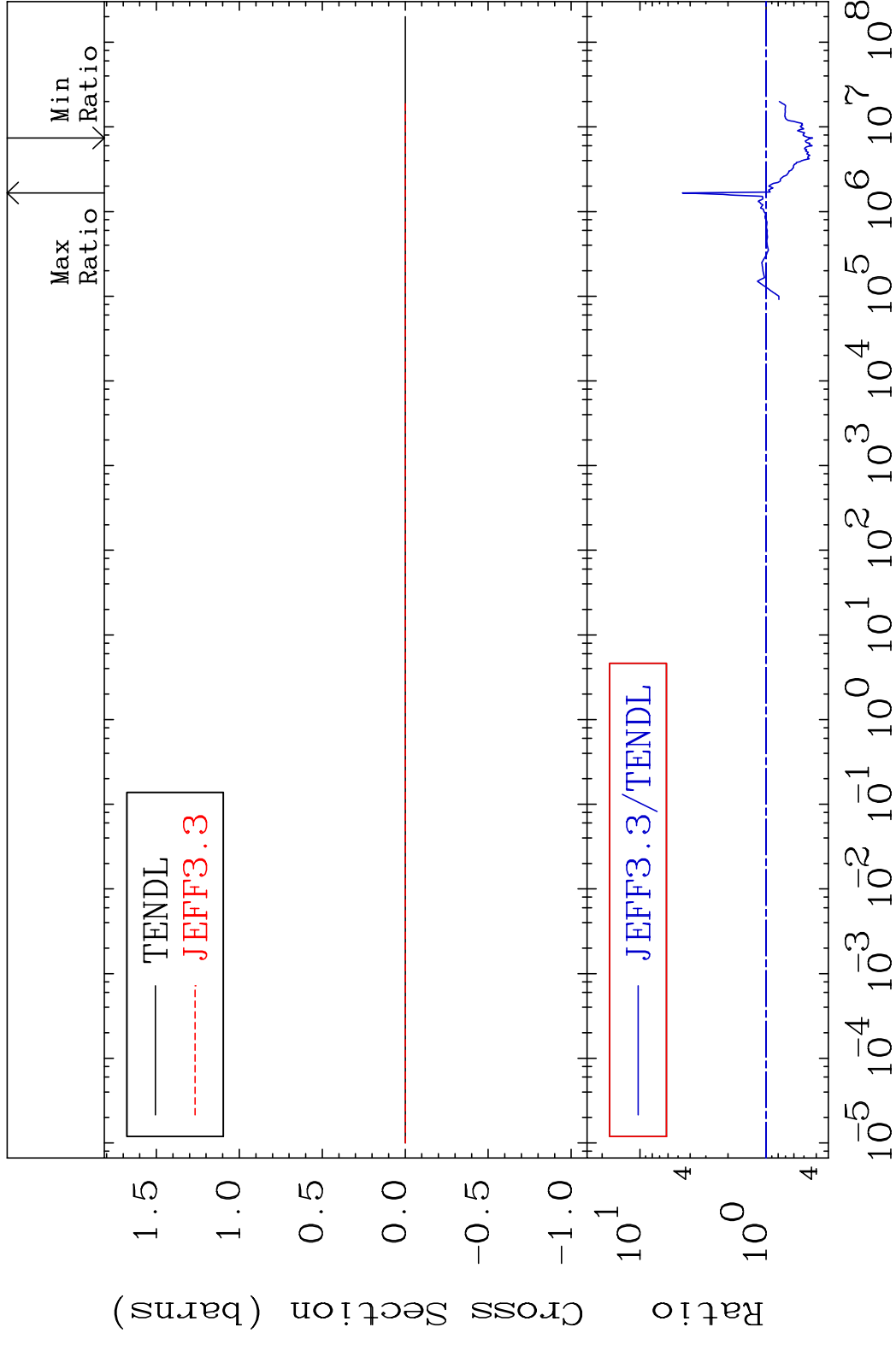
72-Hf-174

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



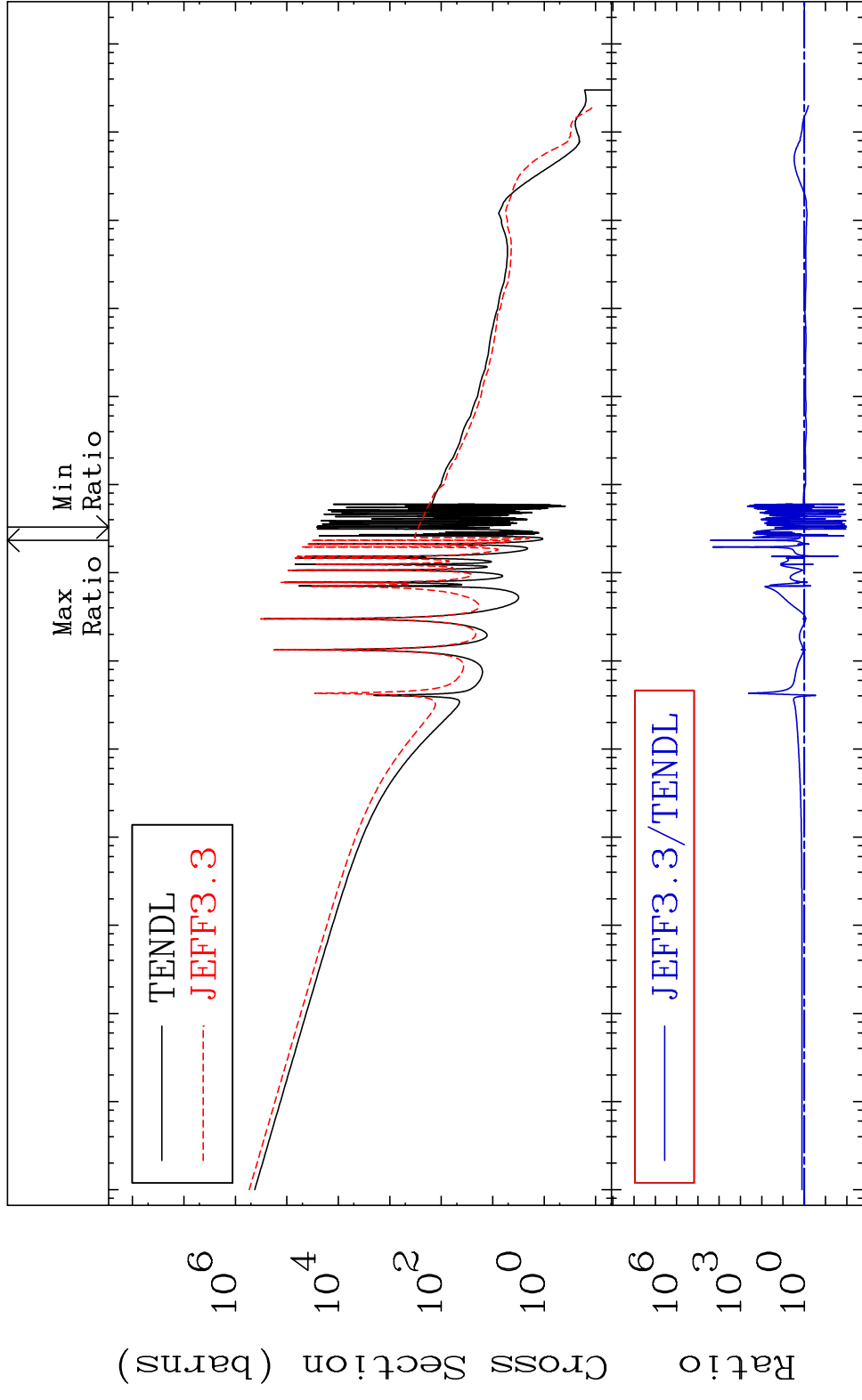


MAT 7225 Kerma fission (mt18 or mt19-20-21-38)72-Hf-174
 Cross Section -57.26 To 361.3 %



MAT 7225

Kerma capture (mt102) 72-Hf-174
Cross Section -98.95 To 9999. %

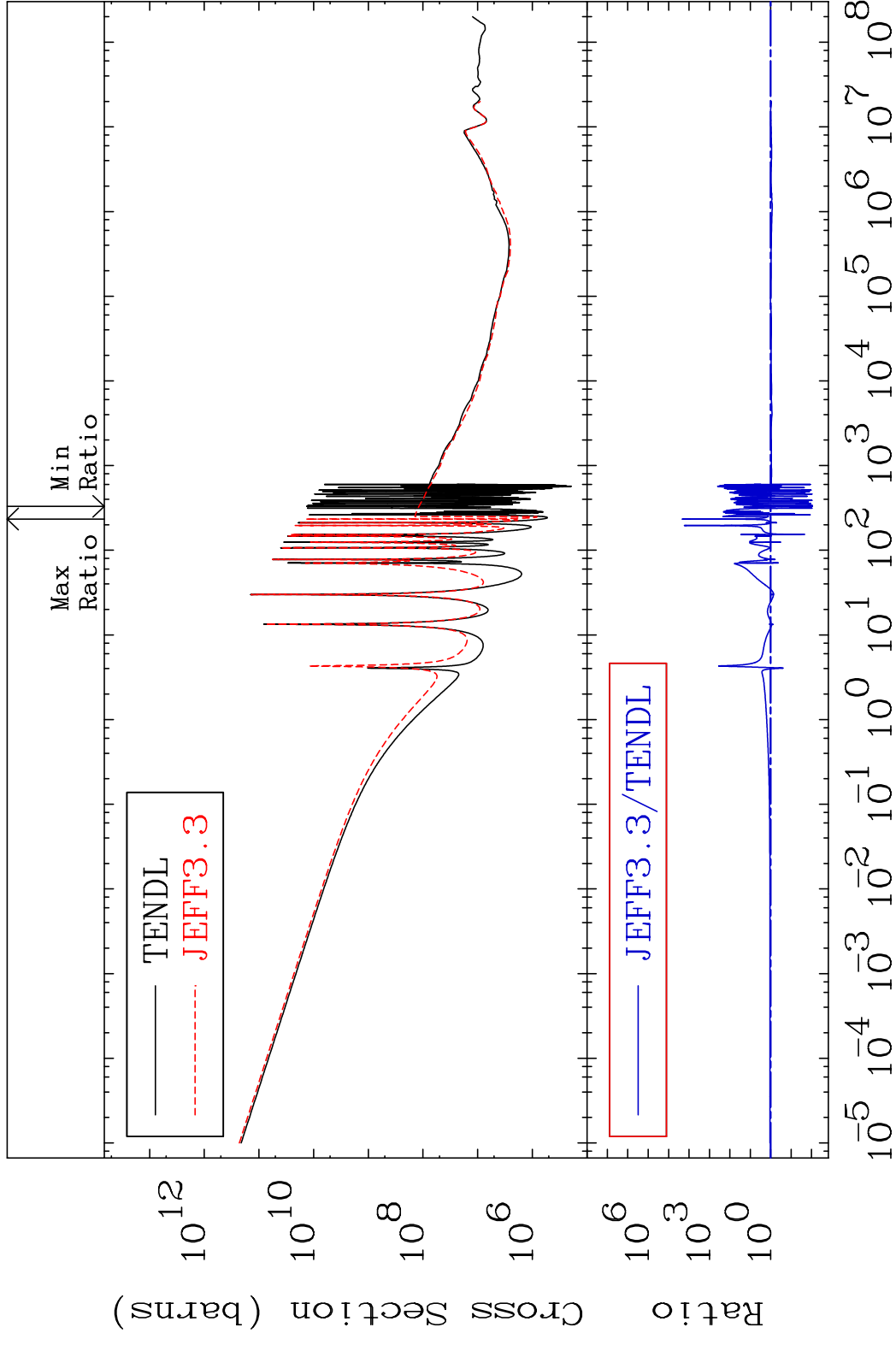


64

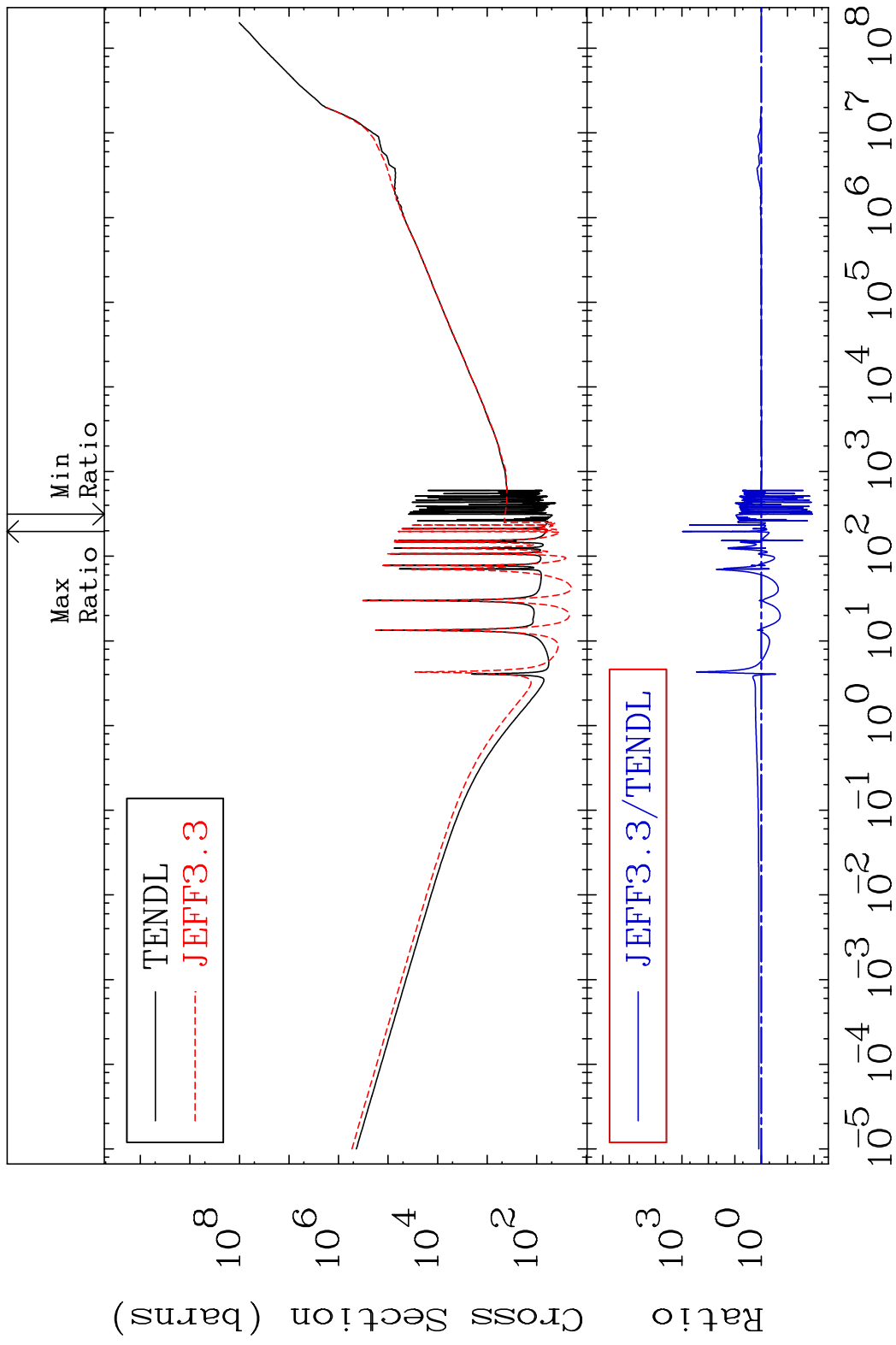
Incident Energy (eV)

72-Hf-174

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 -98.86 To 9999. %

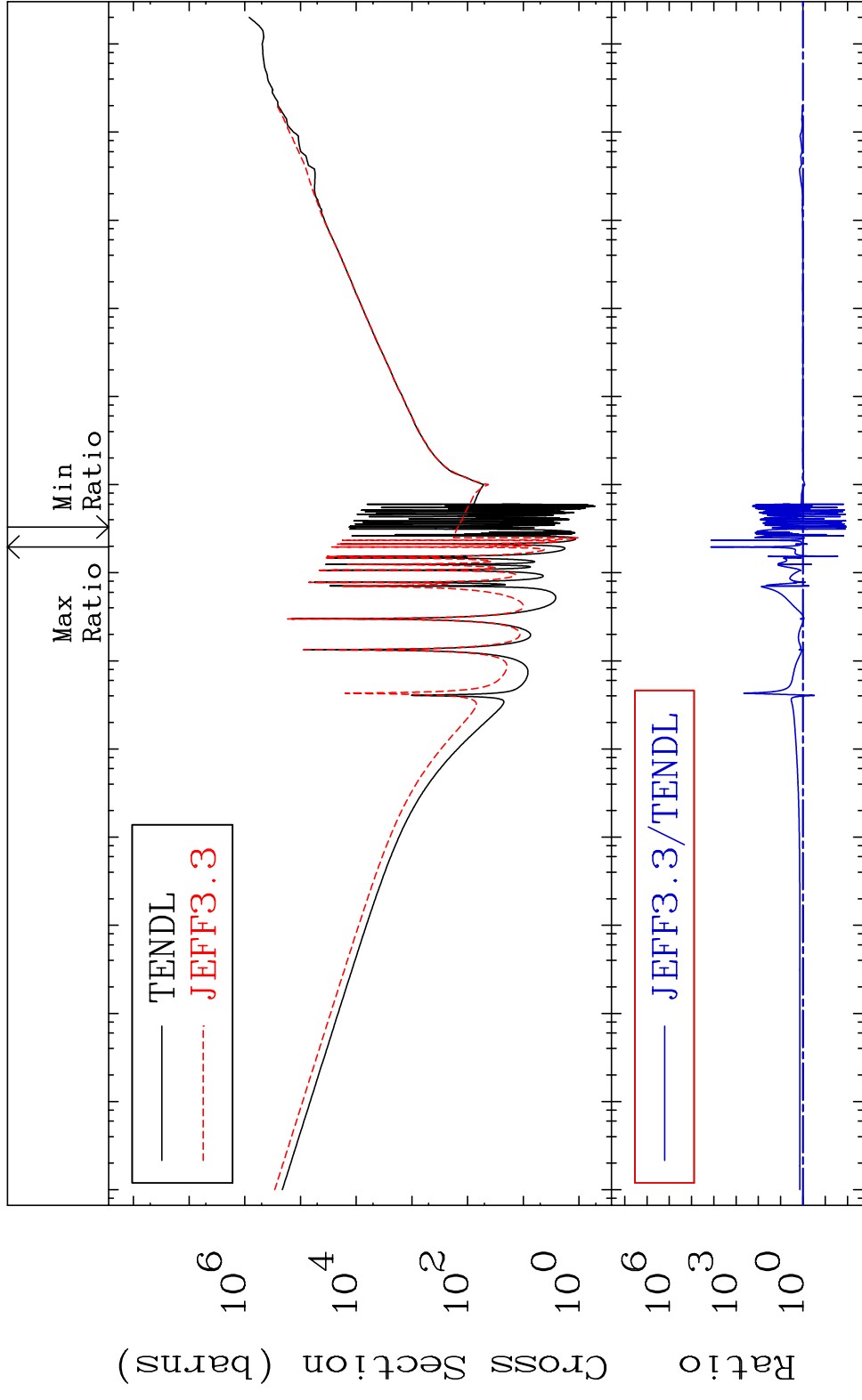


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -98.88 To 9999. %



67

Incident Energy (eV)

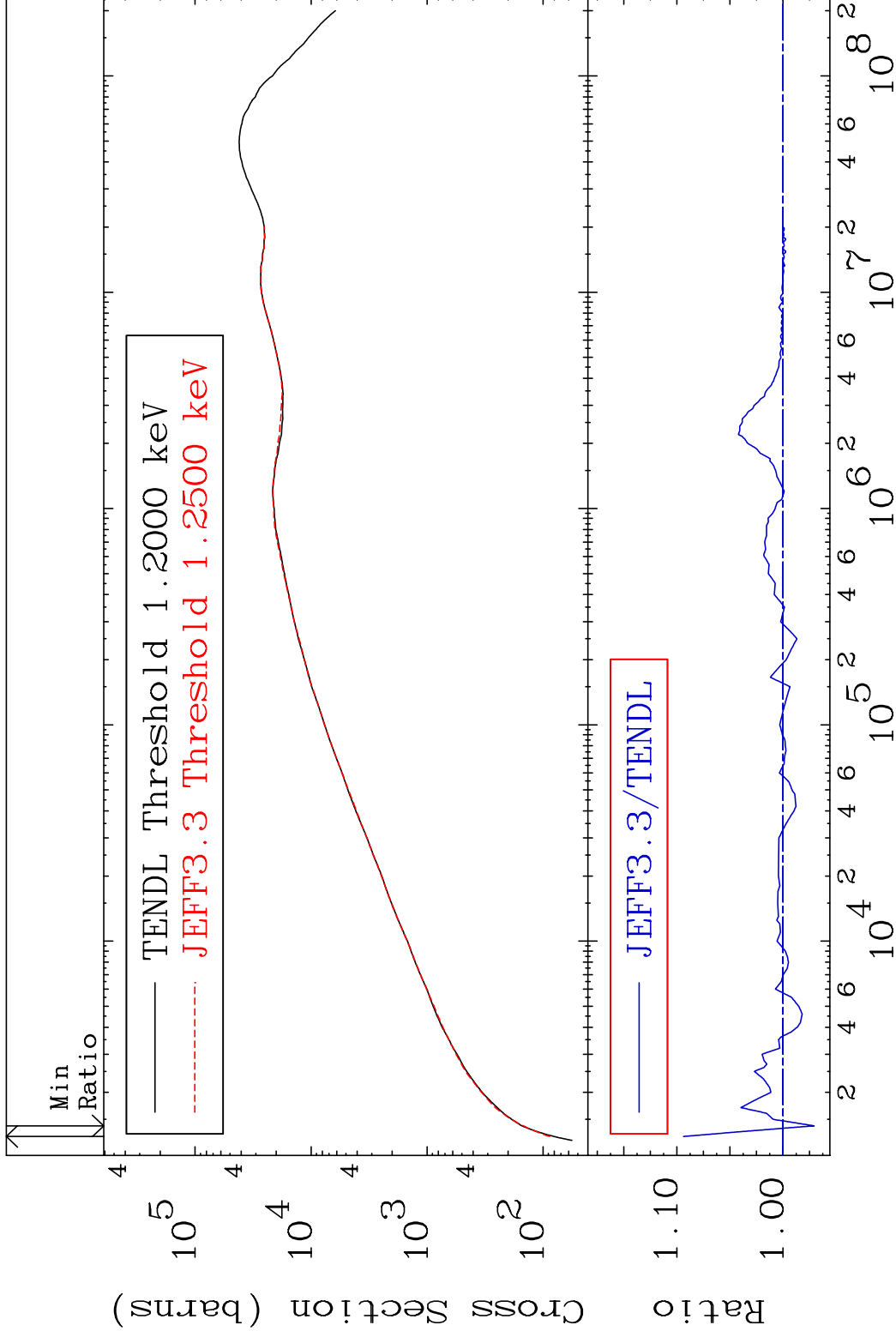
72-Hf-174

MAT 7225

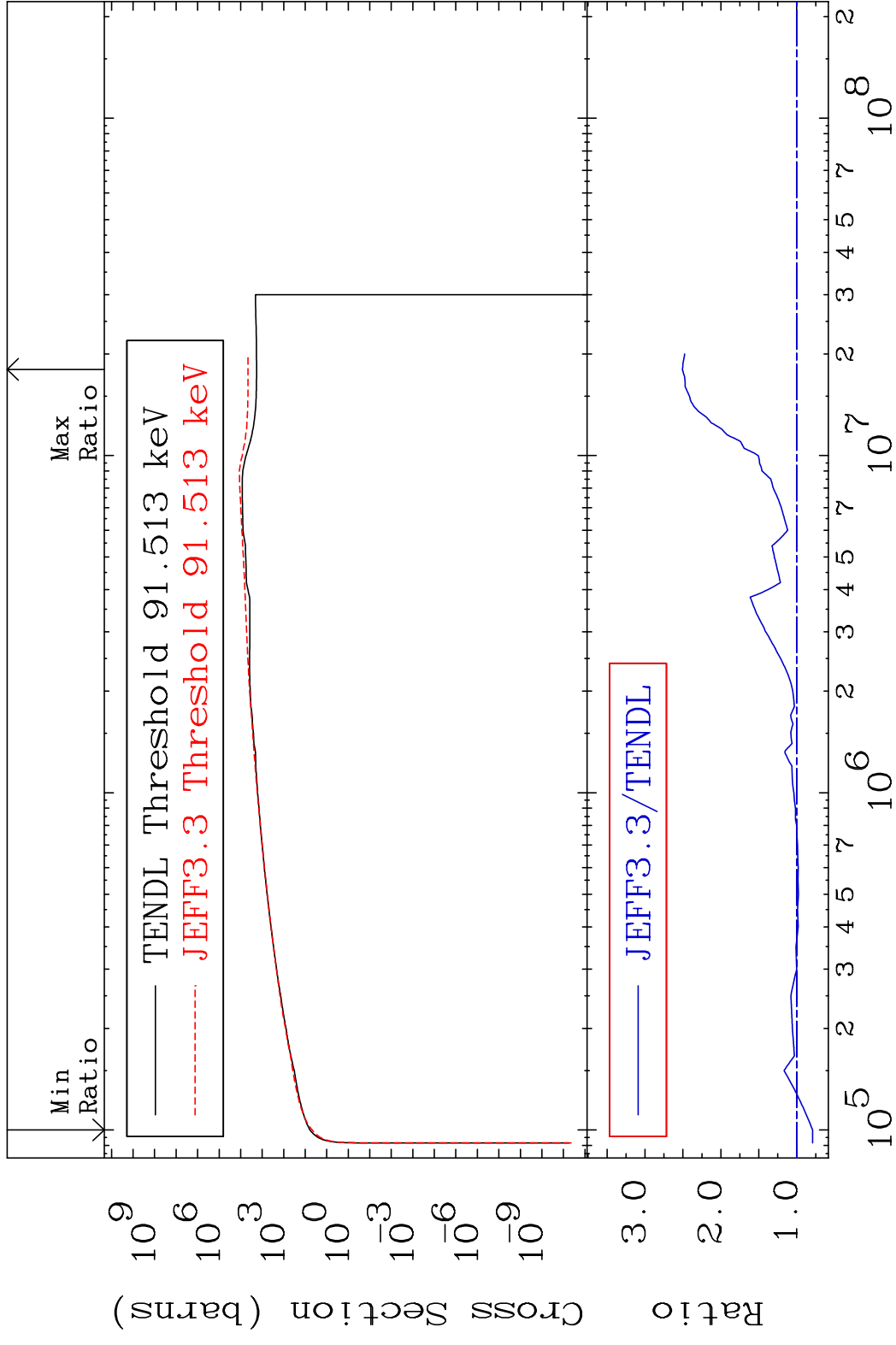
Dpa elastic (mt2)

72-Hf-174

Cross Section -2.925 To 9.377 %

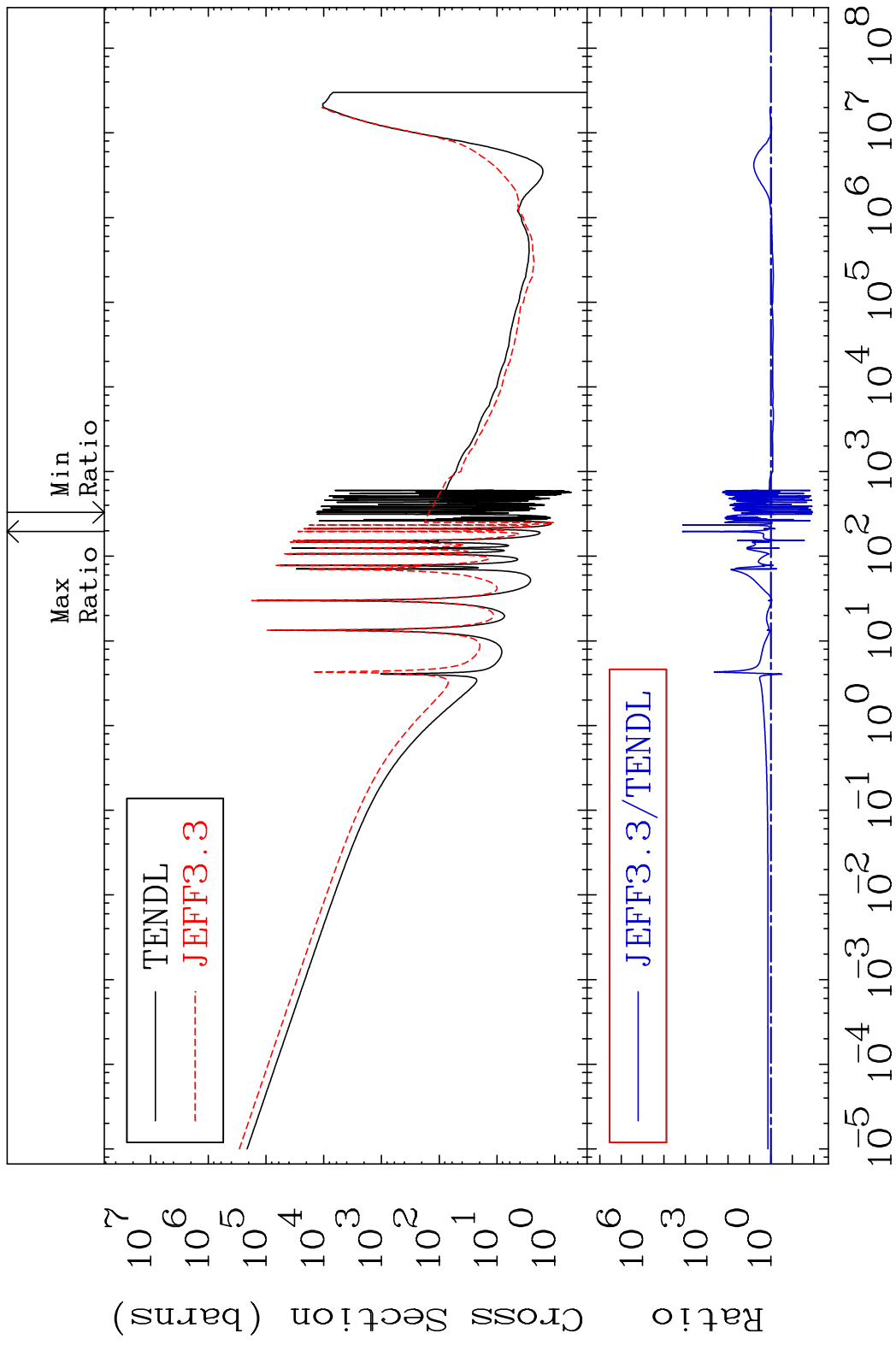


MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -20.85 To 150.7 %

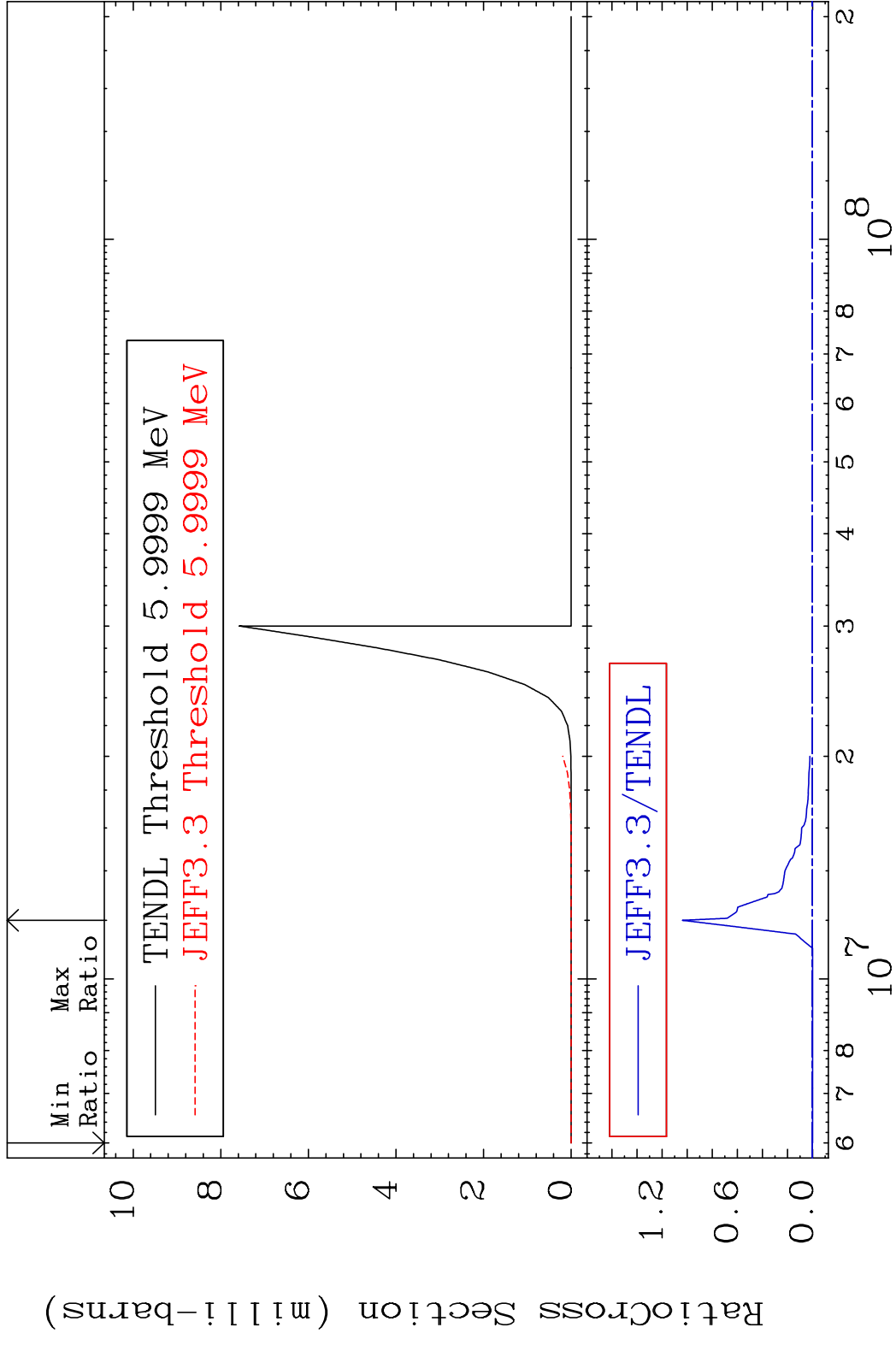


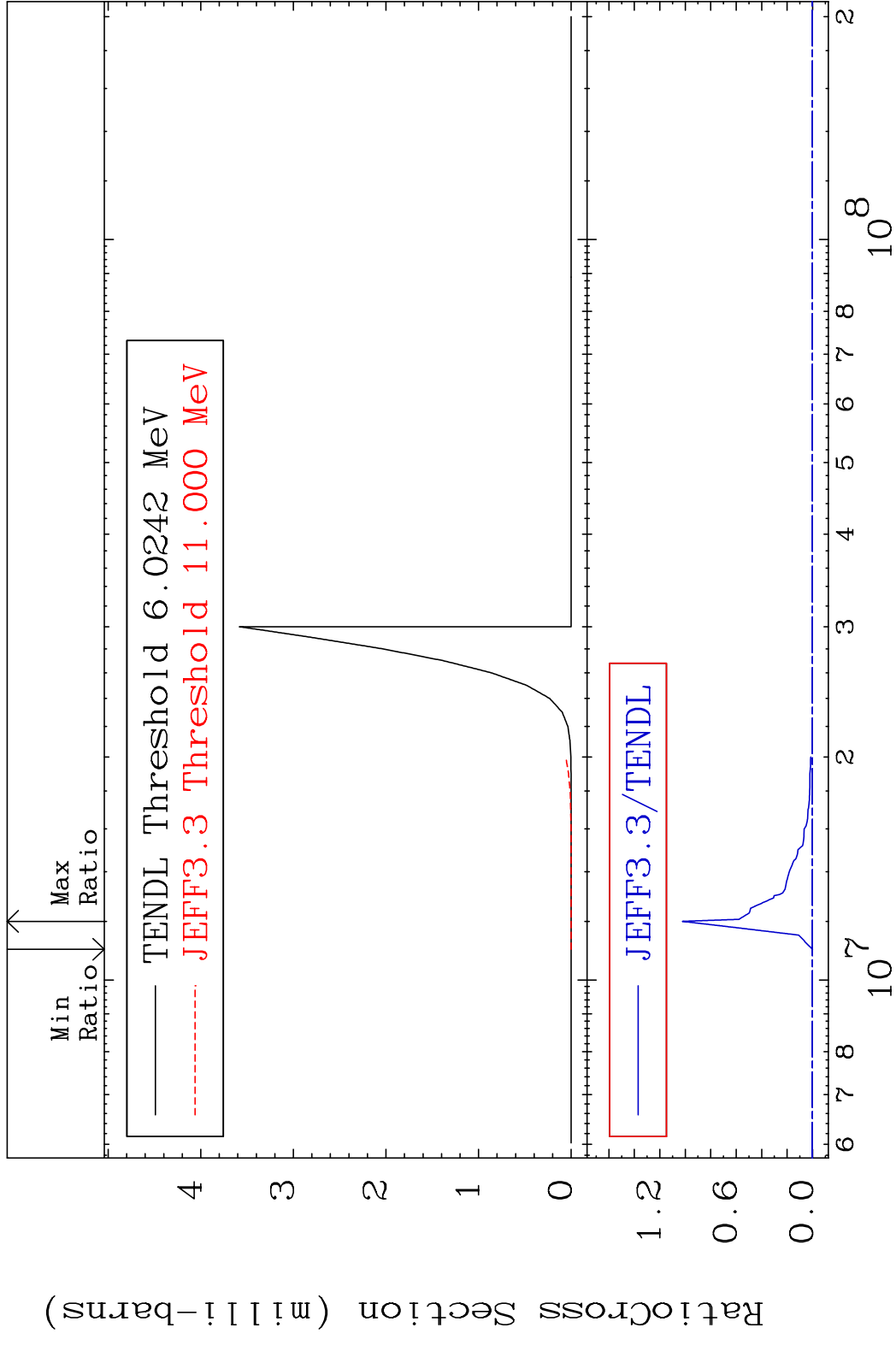
69 Incident Energy (eV) 72-Hf-174

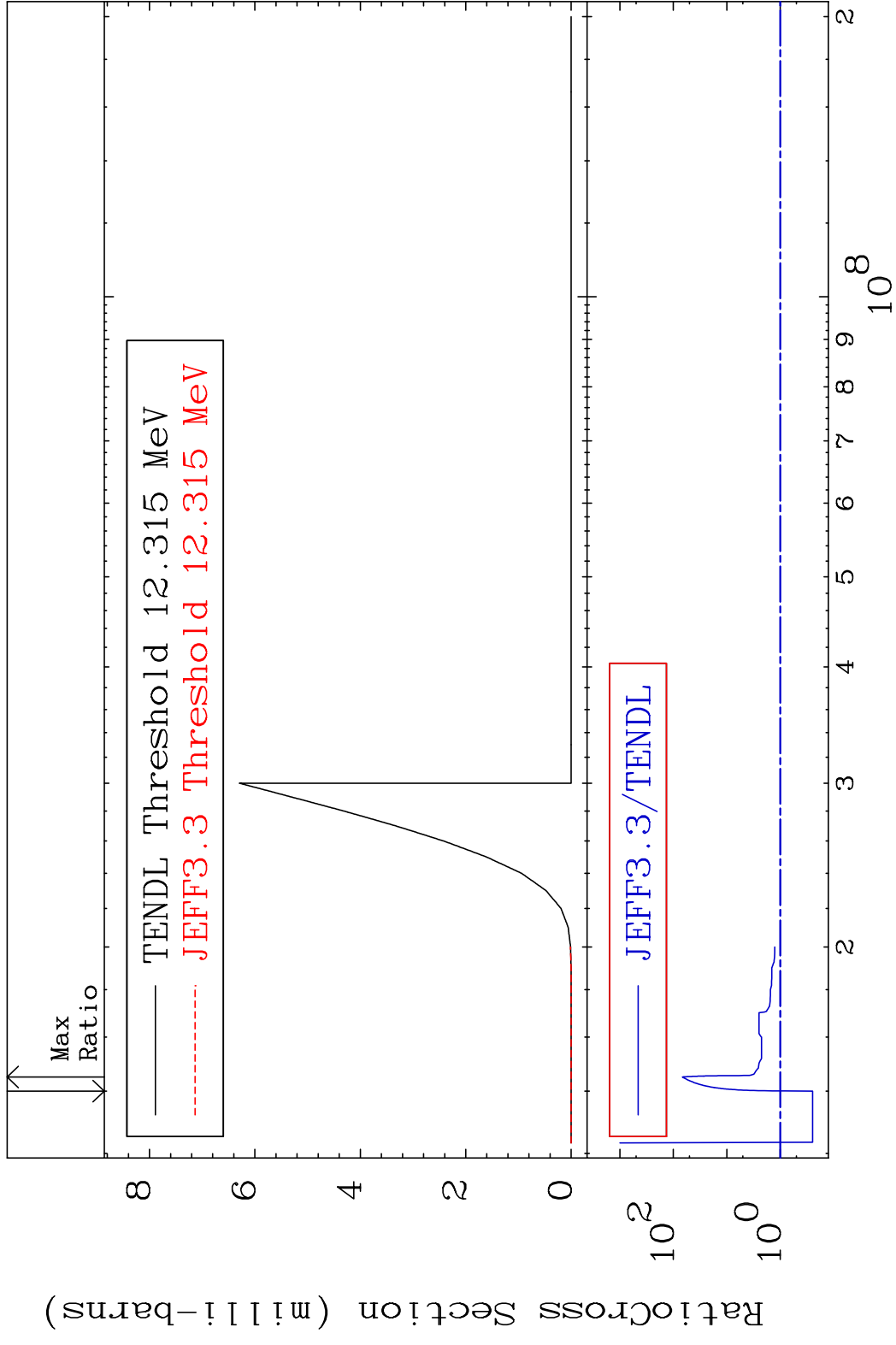
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -98.88 To 9999. %

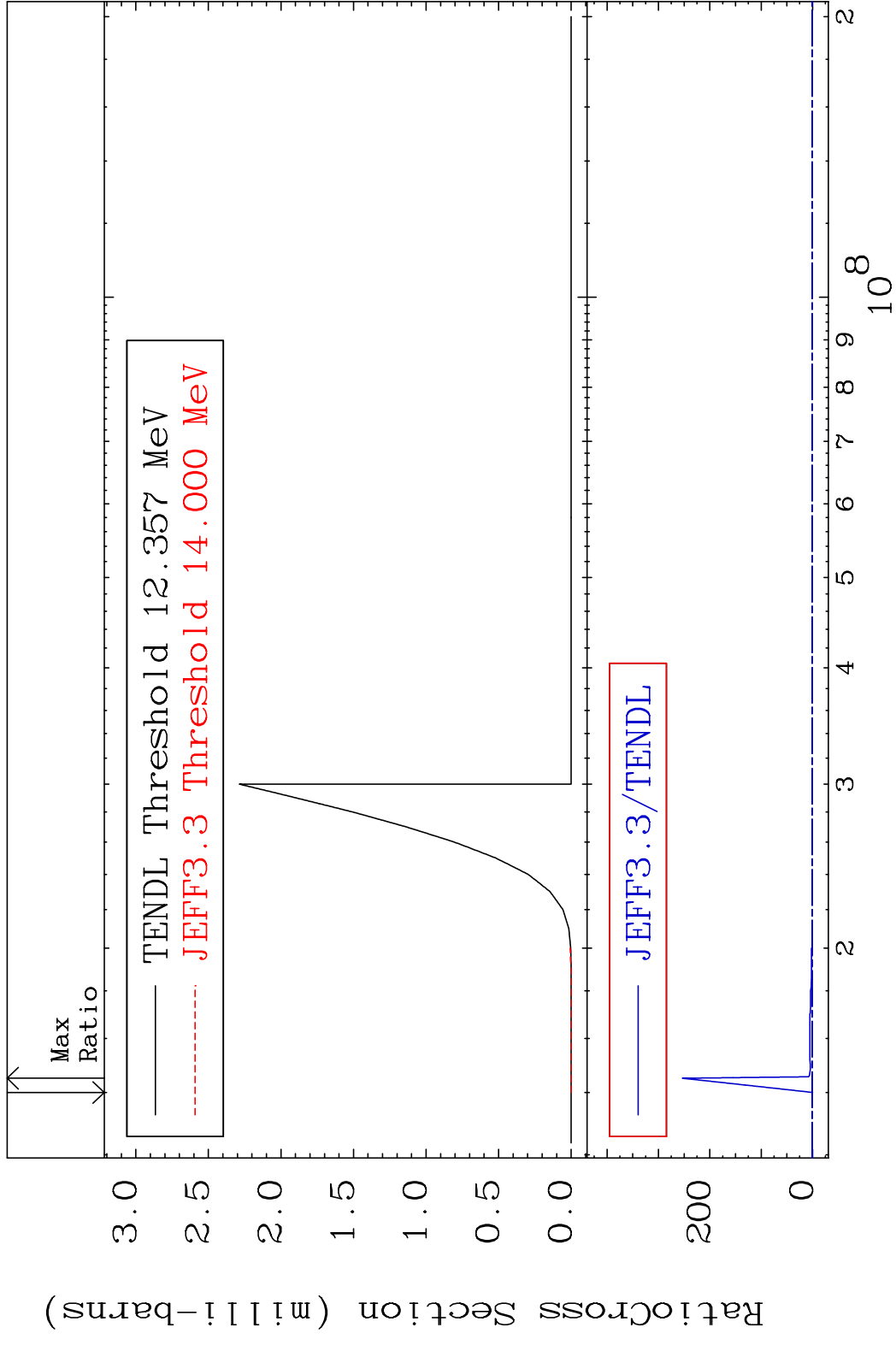


70 Incident Energy (eV) 72-Hf-174

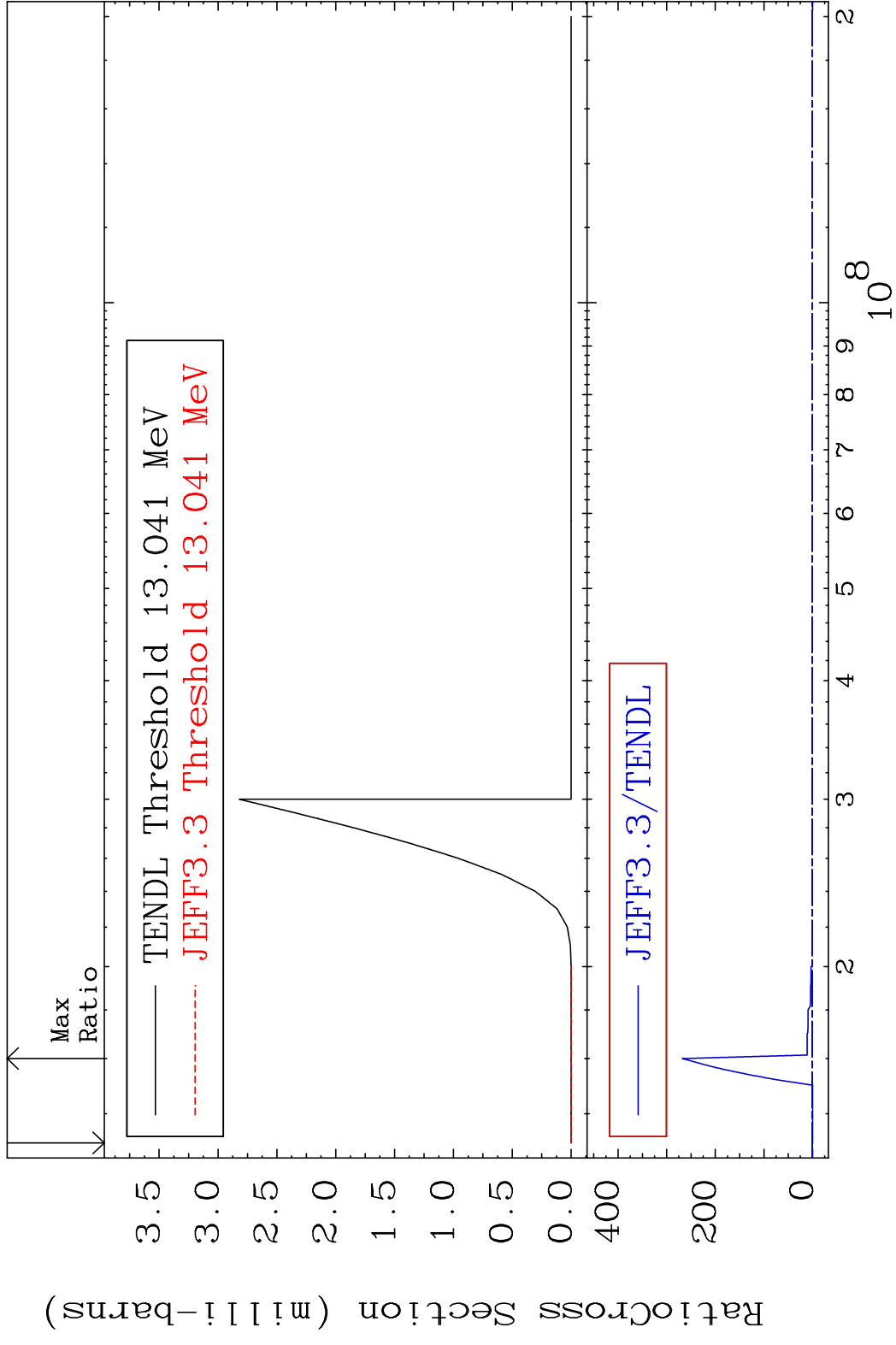




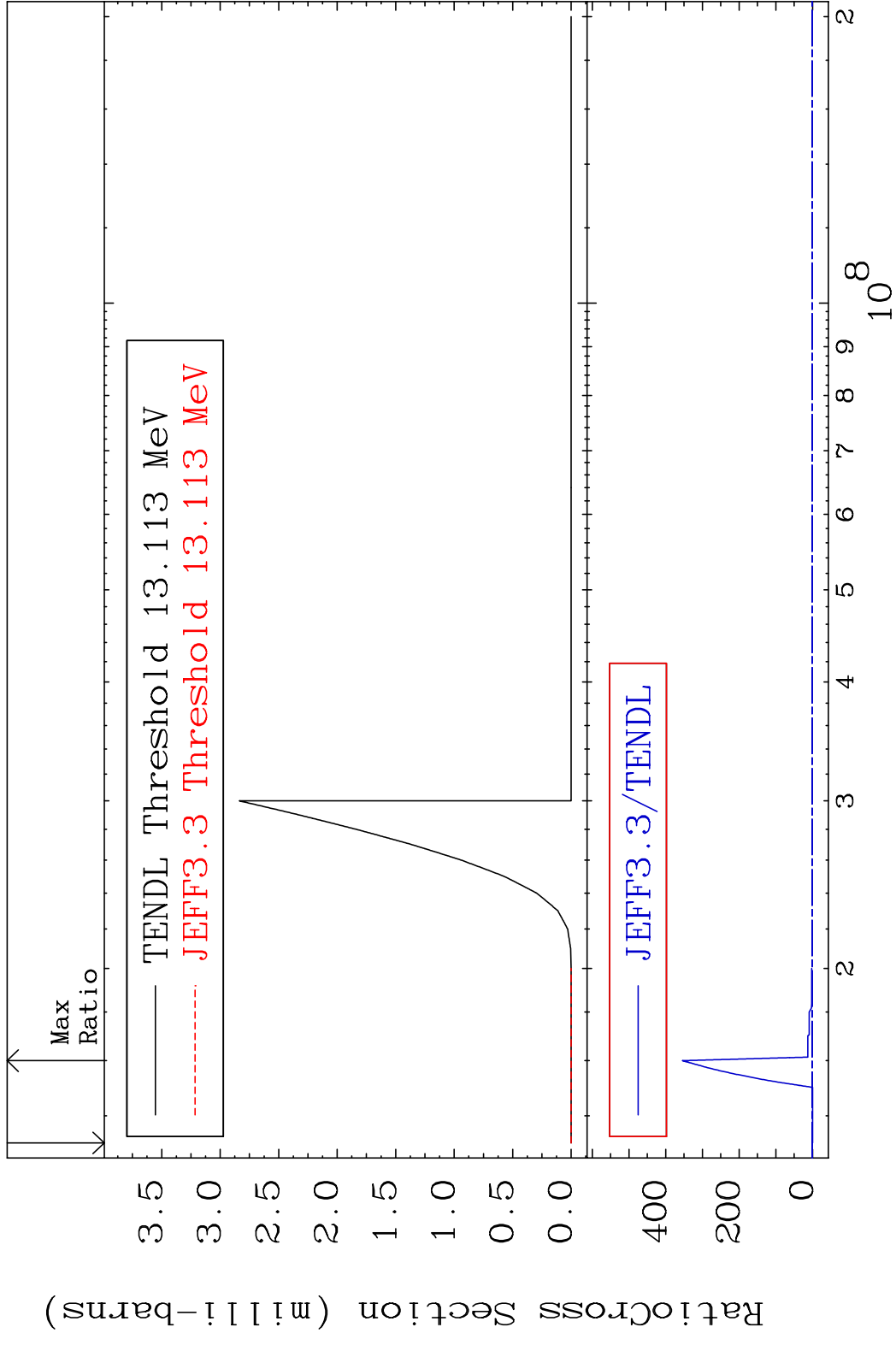


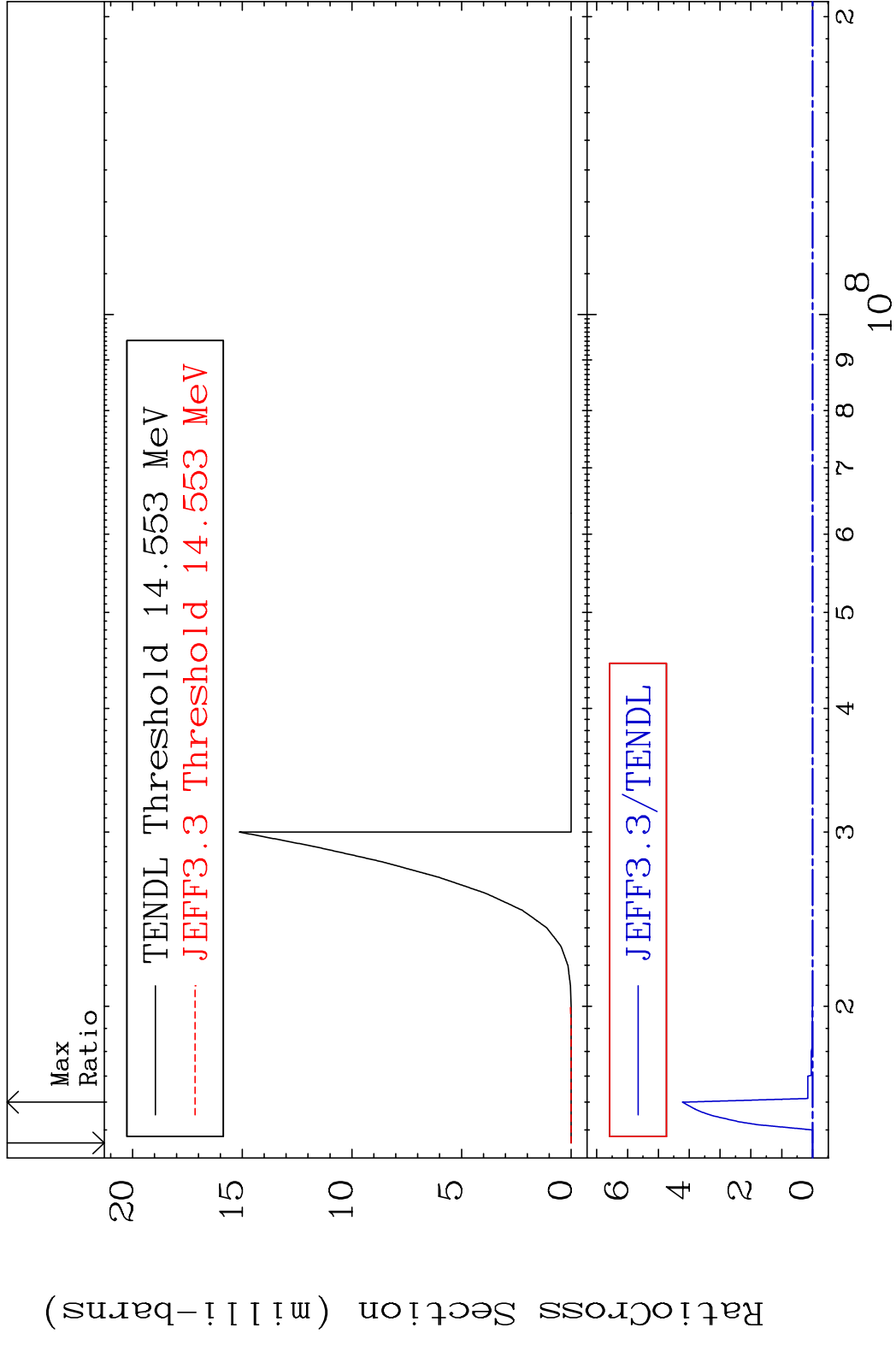


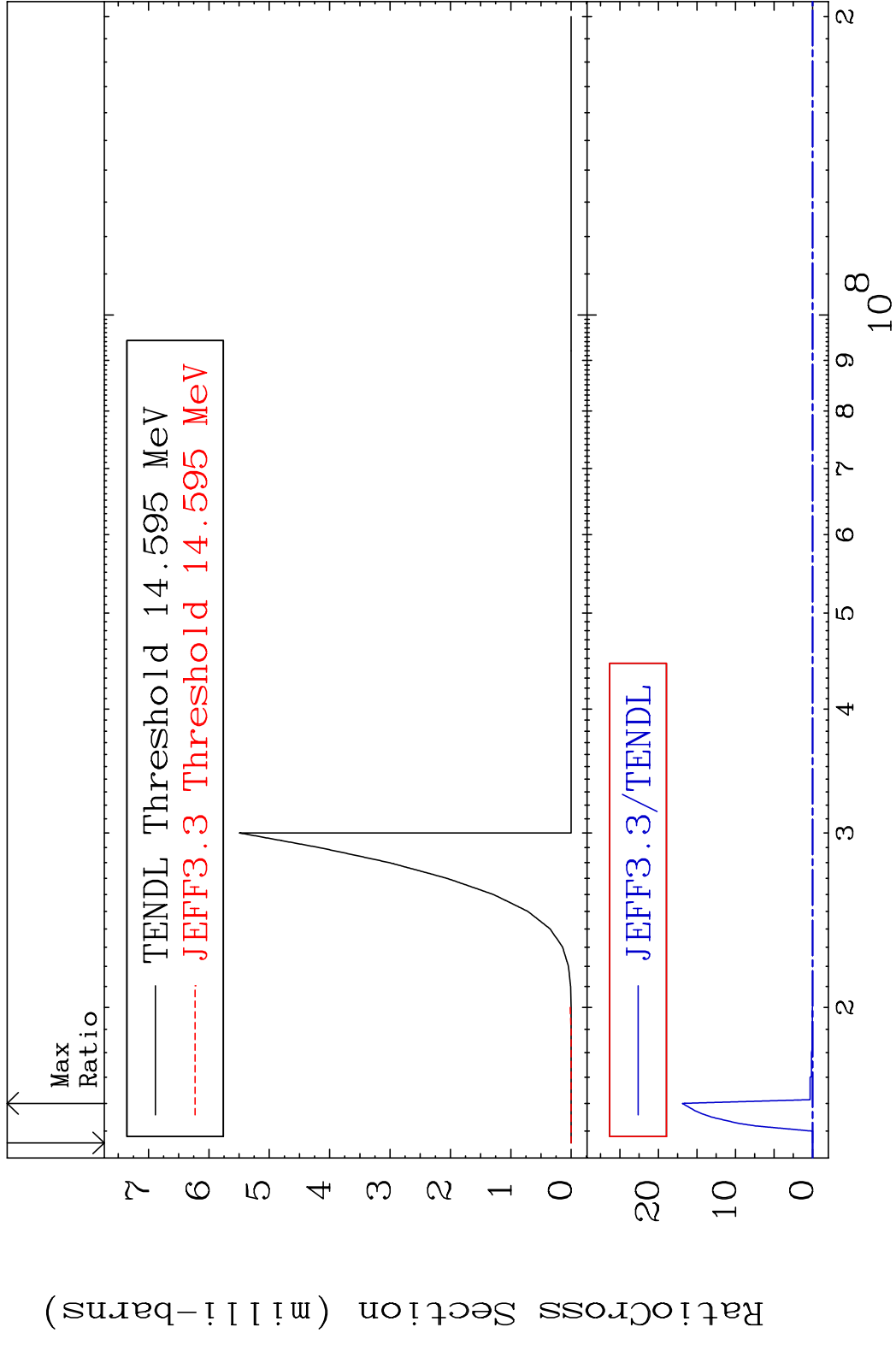
MAT 7225 (n, n') t:71-Lu-171g 72-Hf-174
 Radionuclide Production Cross Section 100.00 %



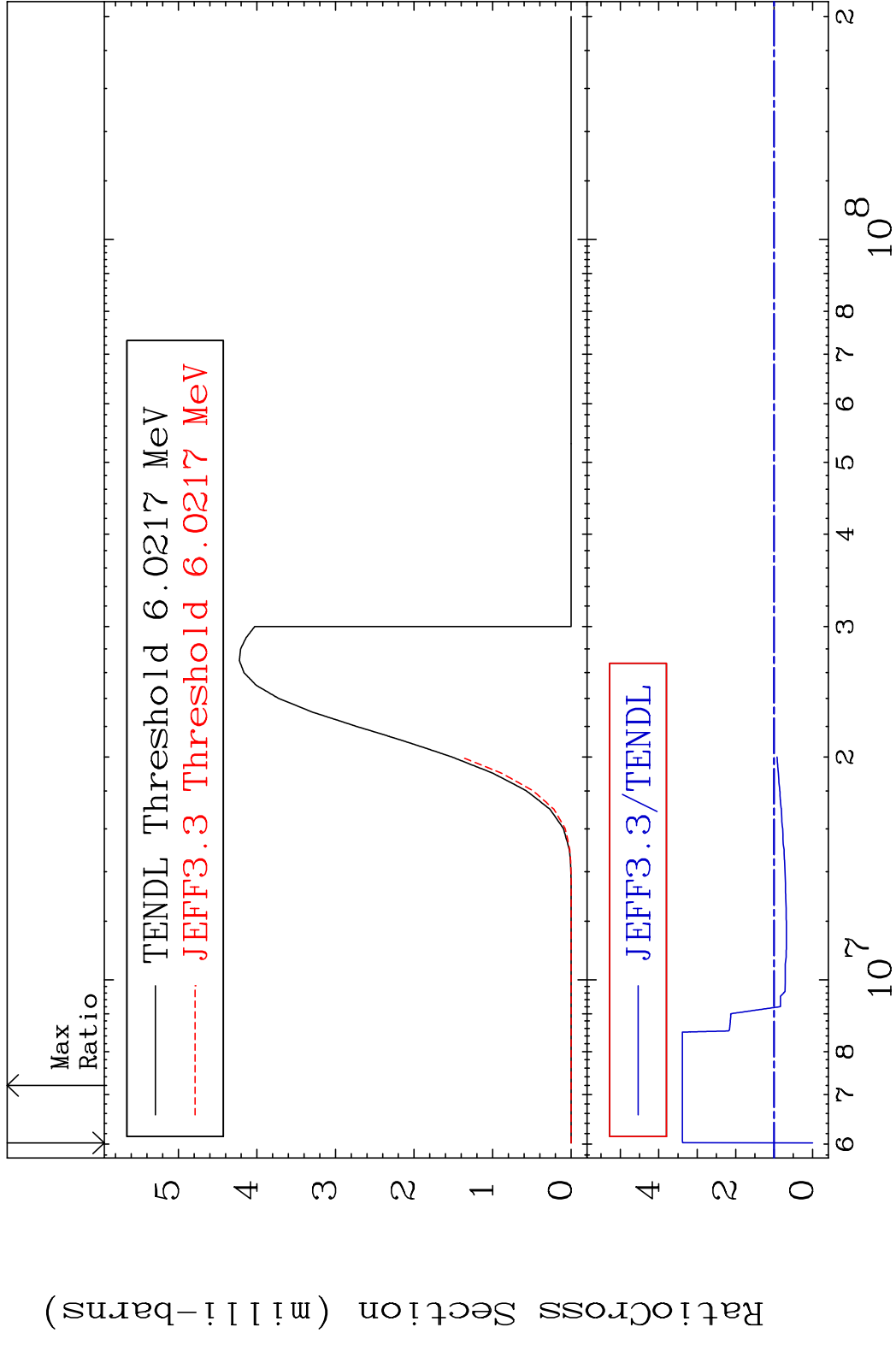
75 Incident Energy (eV) 72-Hf-174







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 %

