

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

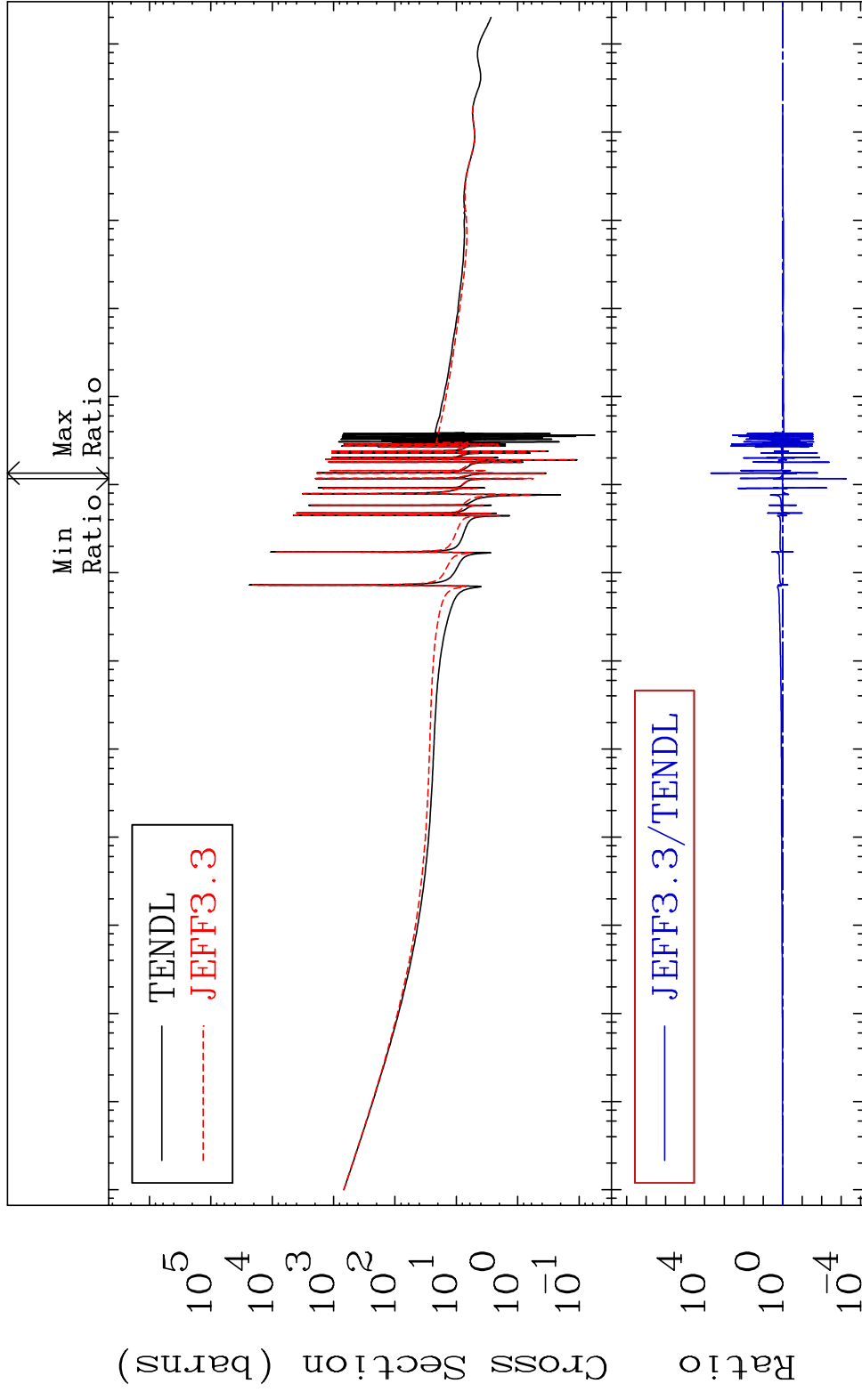
MAT 7243

Total

72-Hf-180

Cross Section

-99.95 To 9999. %



1

Incident Energy (eV)

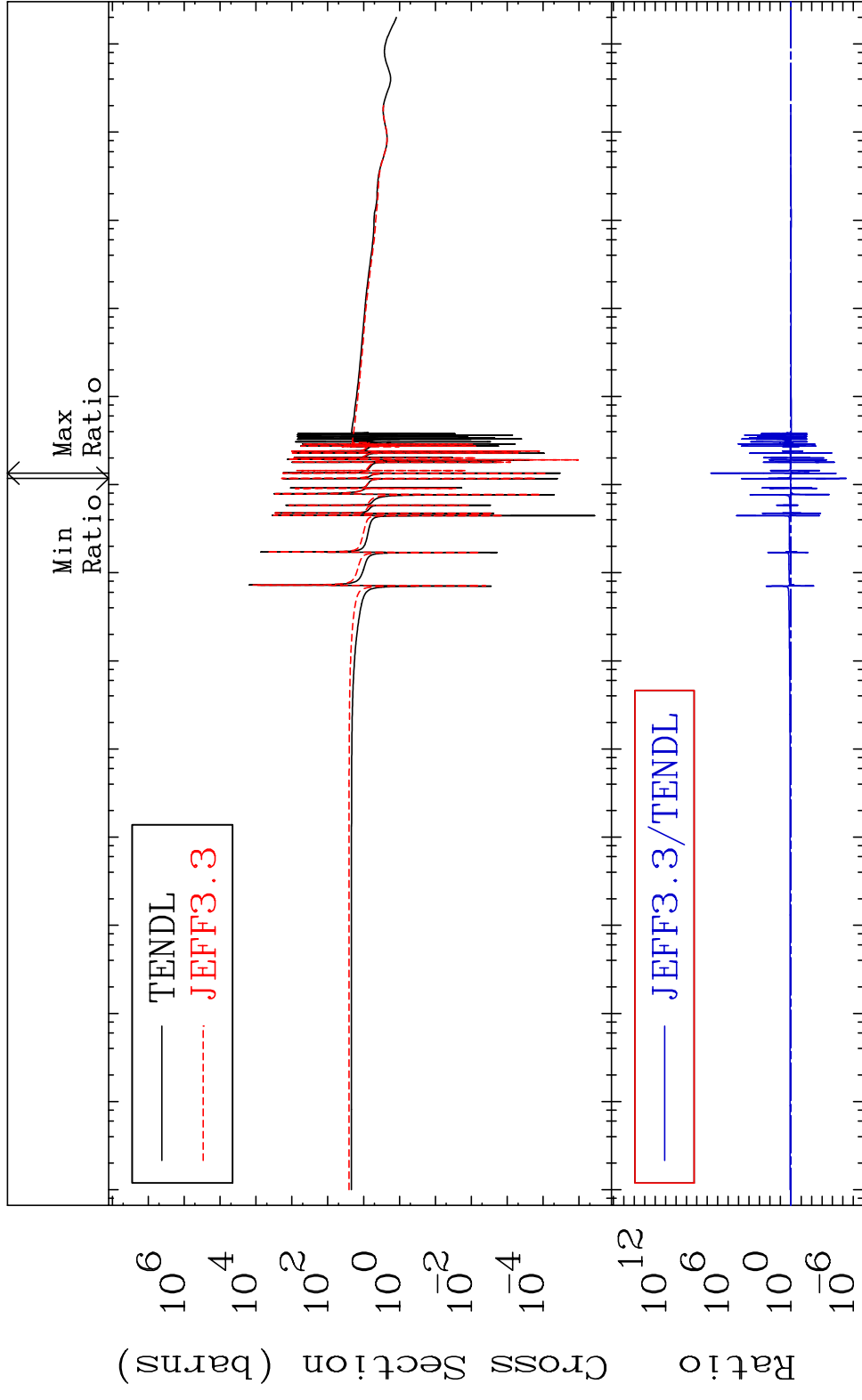
72-Hf-180

MAT 7243

Elastic

72-Hf-180

Cross Section -100.0 To 9999. %

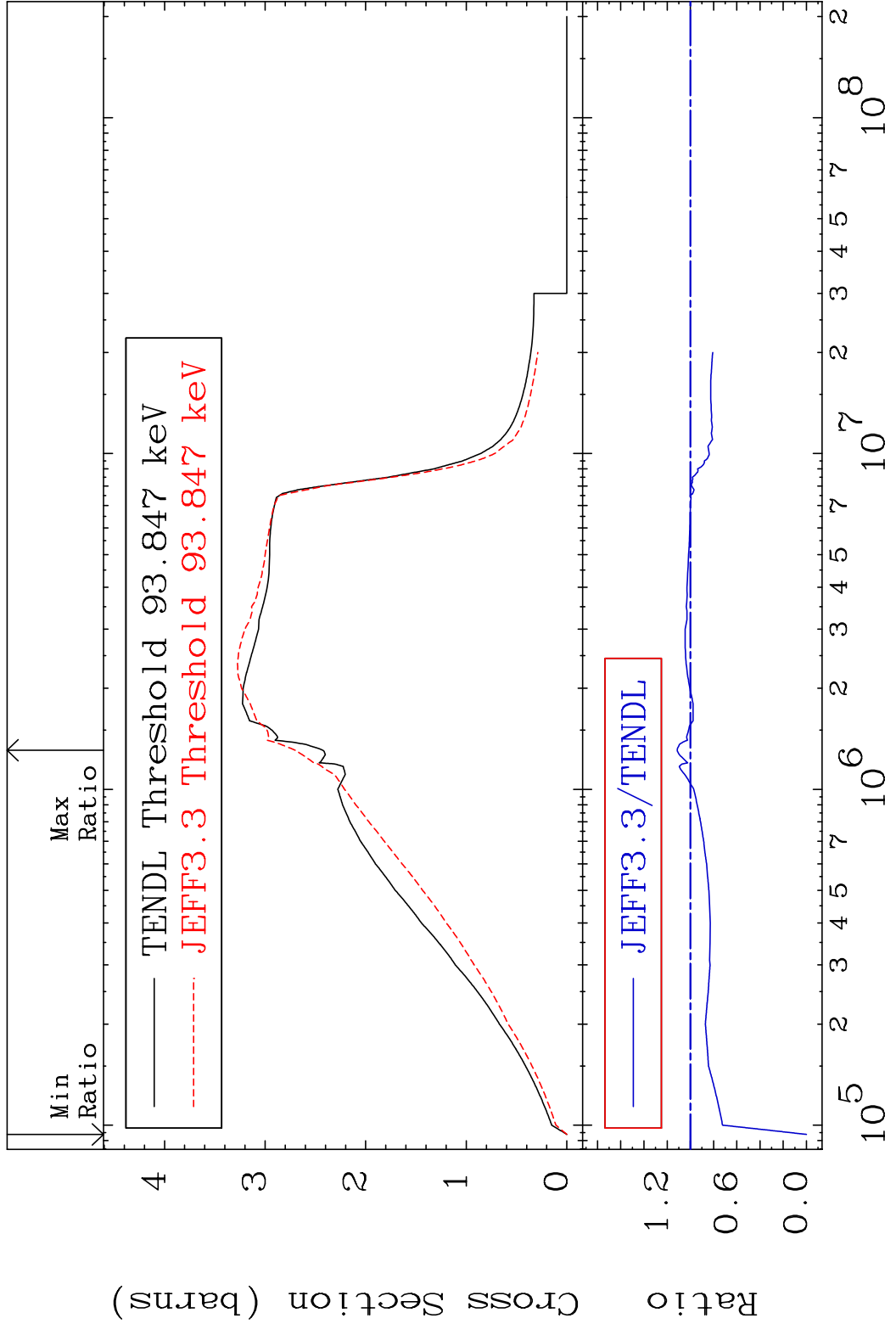


2

Incident Energy (eV)

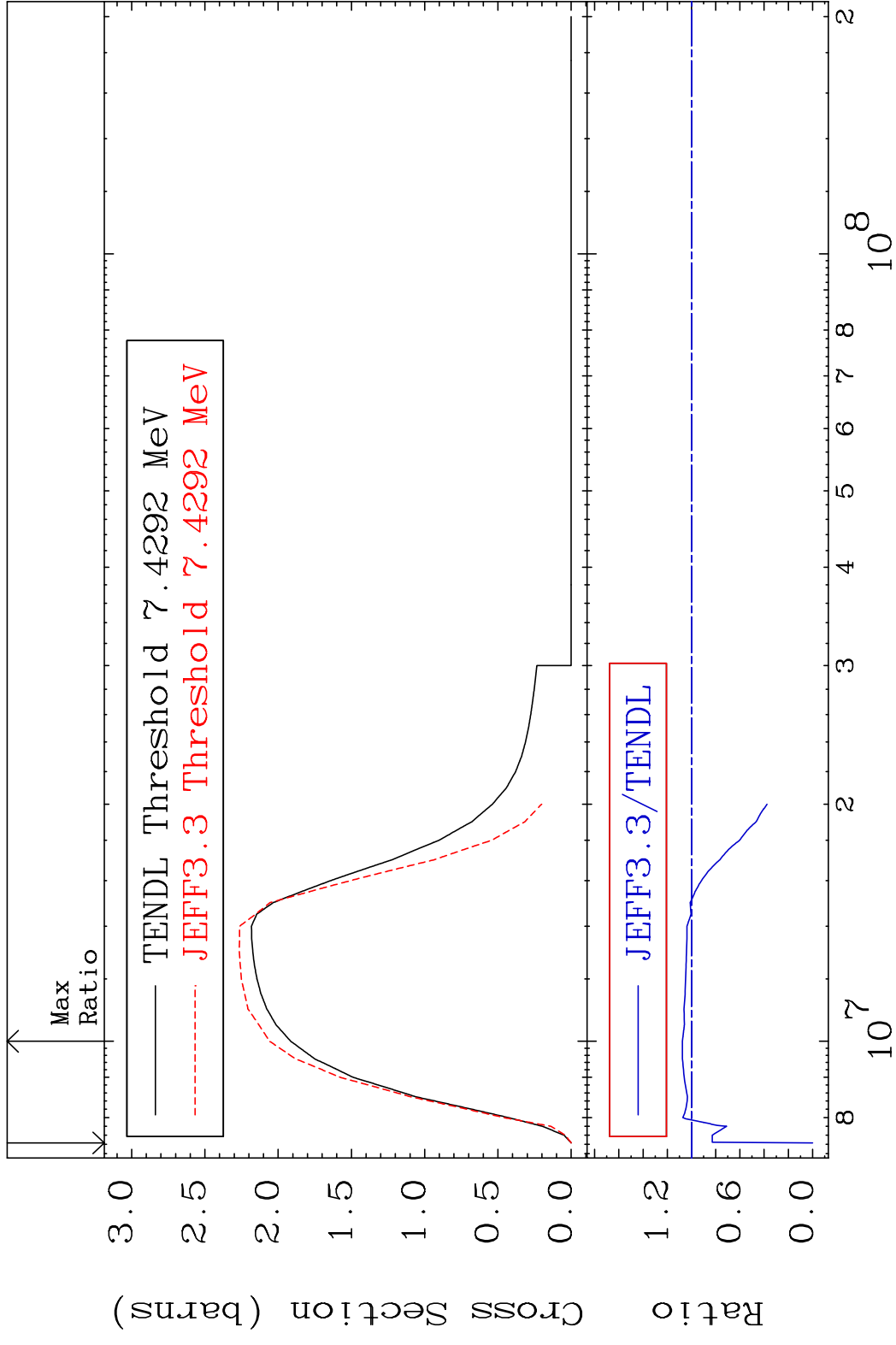
72-Hf-180

MAT 7243 Inelastic 72-Hf-180
 Cross Section -100.0 To 11.36 %



3 Incident Energy (eV) 72-Hf-180

MAT 7243 (n,2n) 72-Hf-180
 Cross Section -100.0 To 7.558 %



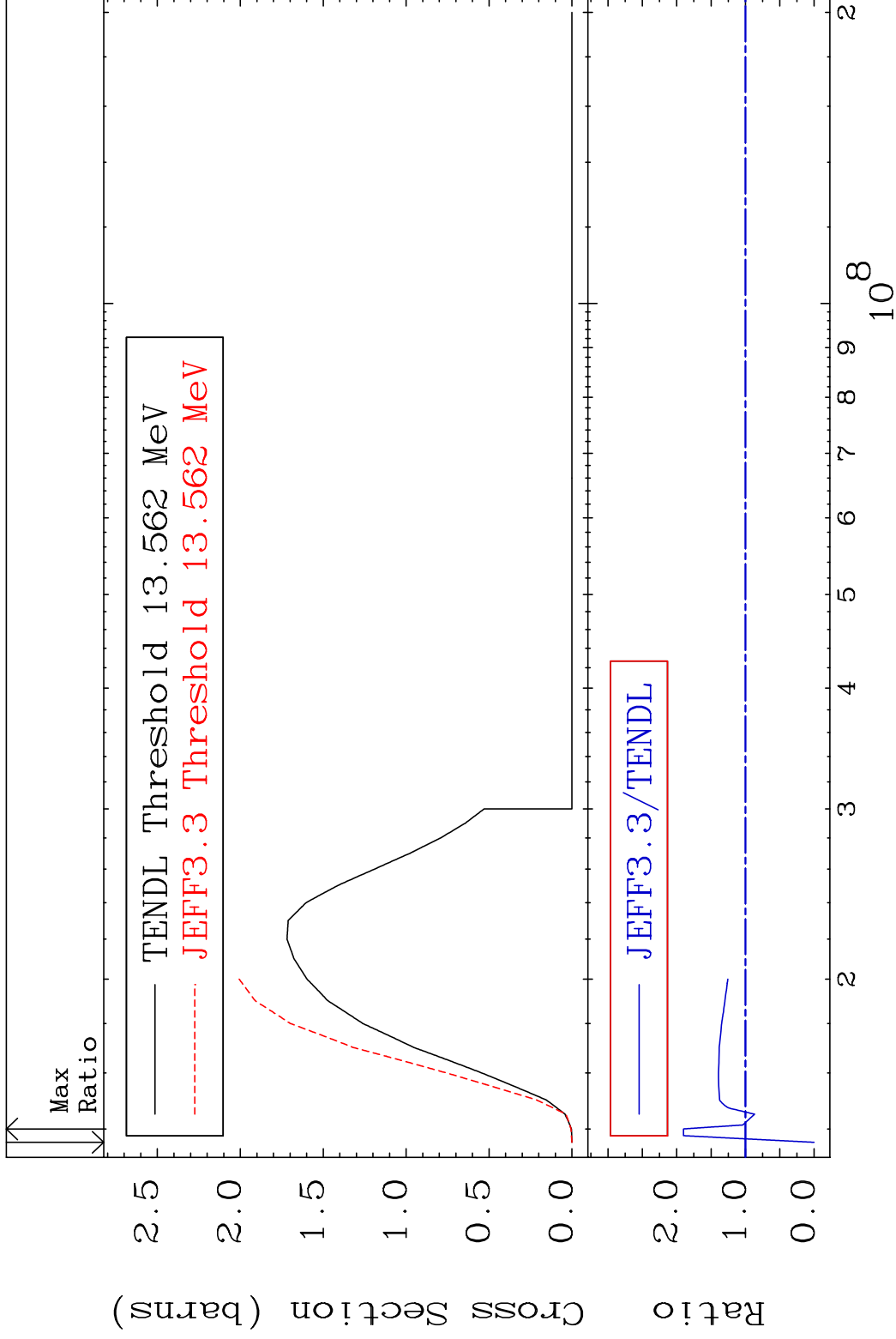
4 Incident Energy (eV) 72-Hf-180

MAT 7243

(n,3n)

72-Hf-180

Cross Section -100.0 To 90.20 %

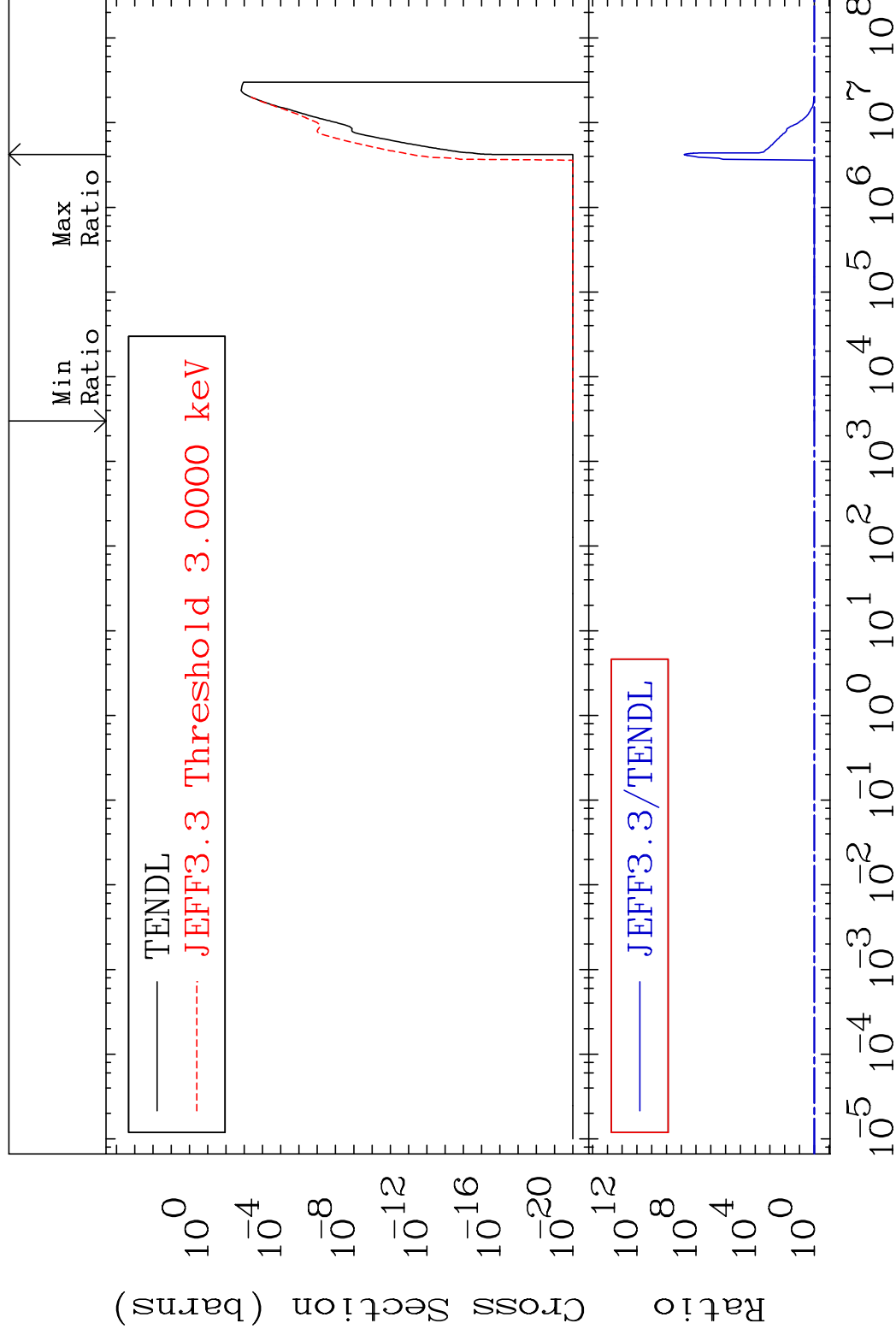


MAT 7243

(n, n') α

72-Hf-180

Cross Section 0.000 To 9999. %

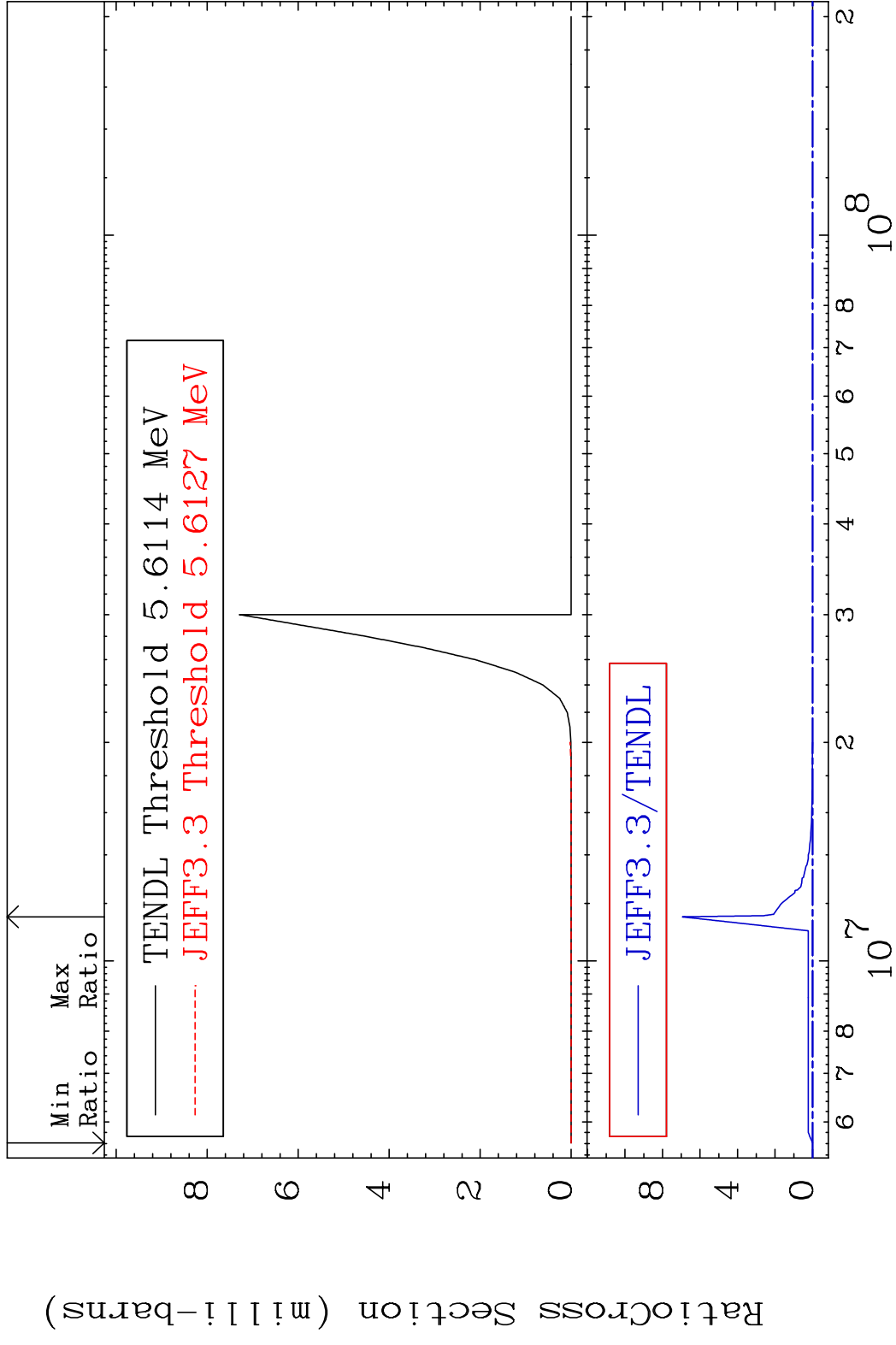


6

Incident Energy (eV)

72-Hf-180

MAT 7243 (n,2n) α 72-Hf-180
 Cross Section -100.0 To 9999. %



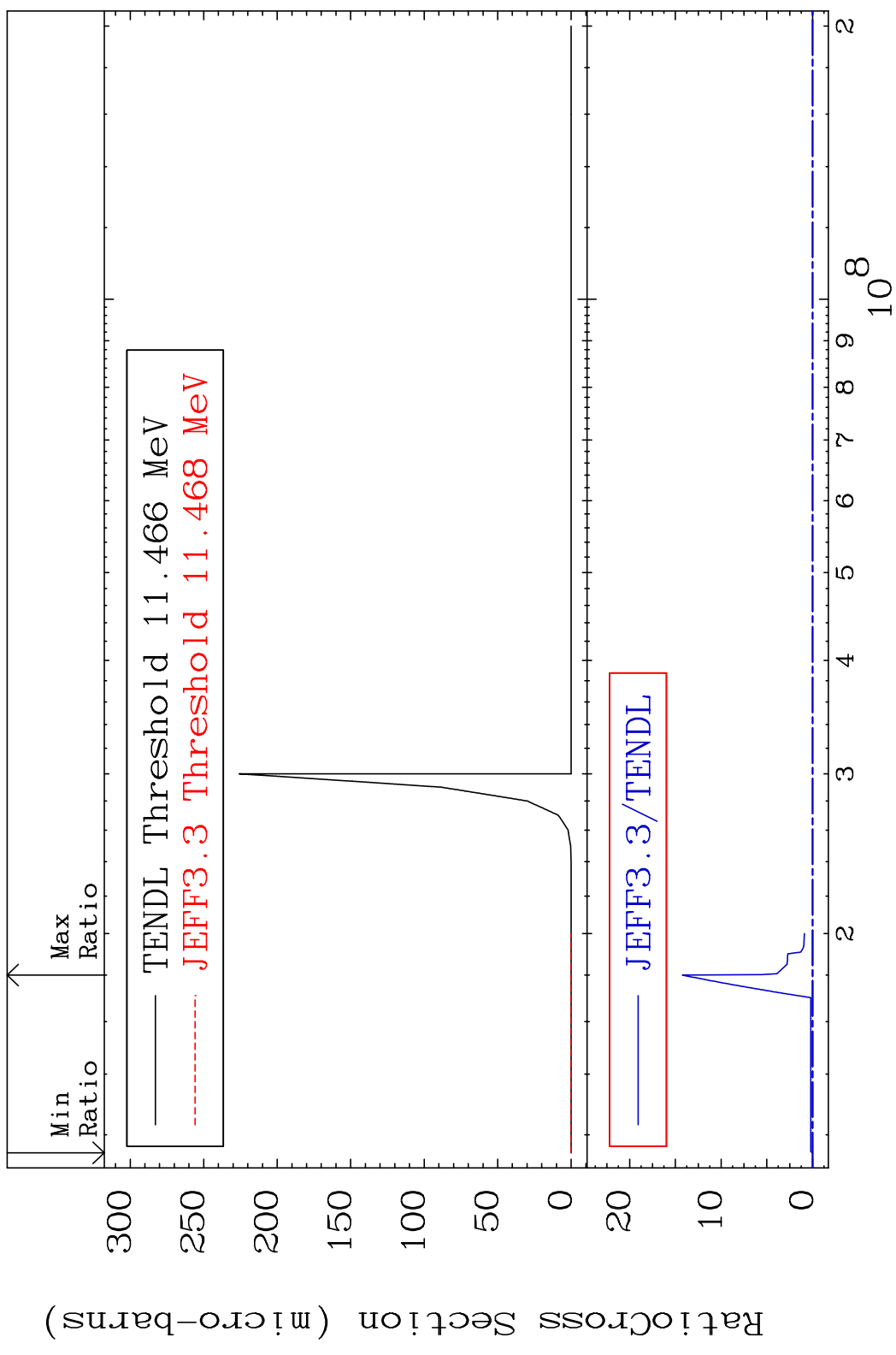
7 72-Hf-180

MAT 7243

(n,3n) α

72-Hf-180

Cross Section -100.0 To 9999. %

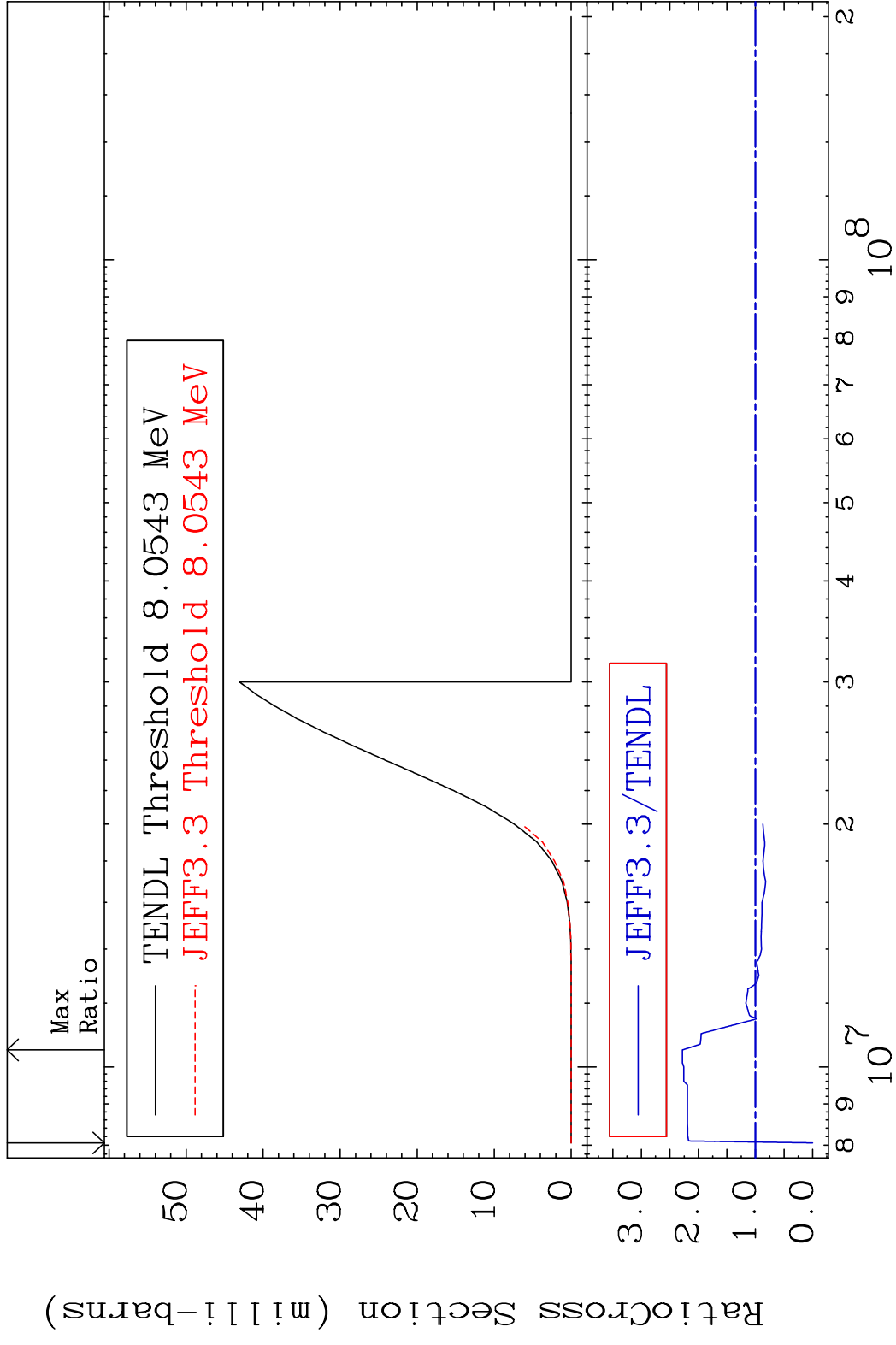


MAT 7243

(n, n') p

72-Hf-180

Cross Section -100.0 To 128.1 %



9

Incident Energy (eV)

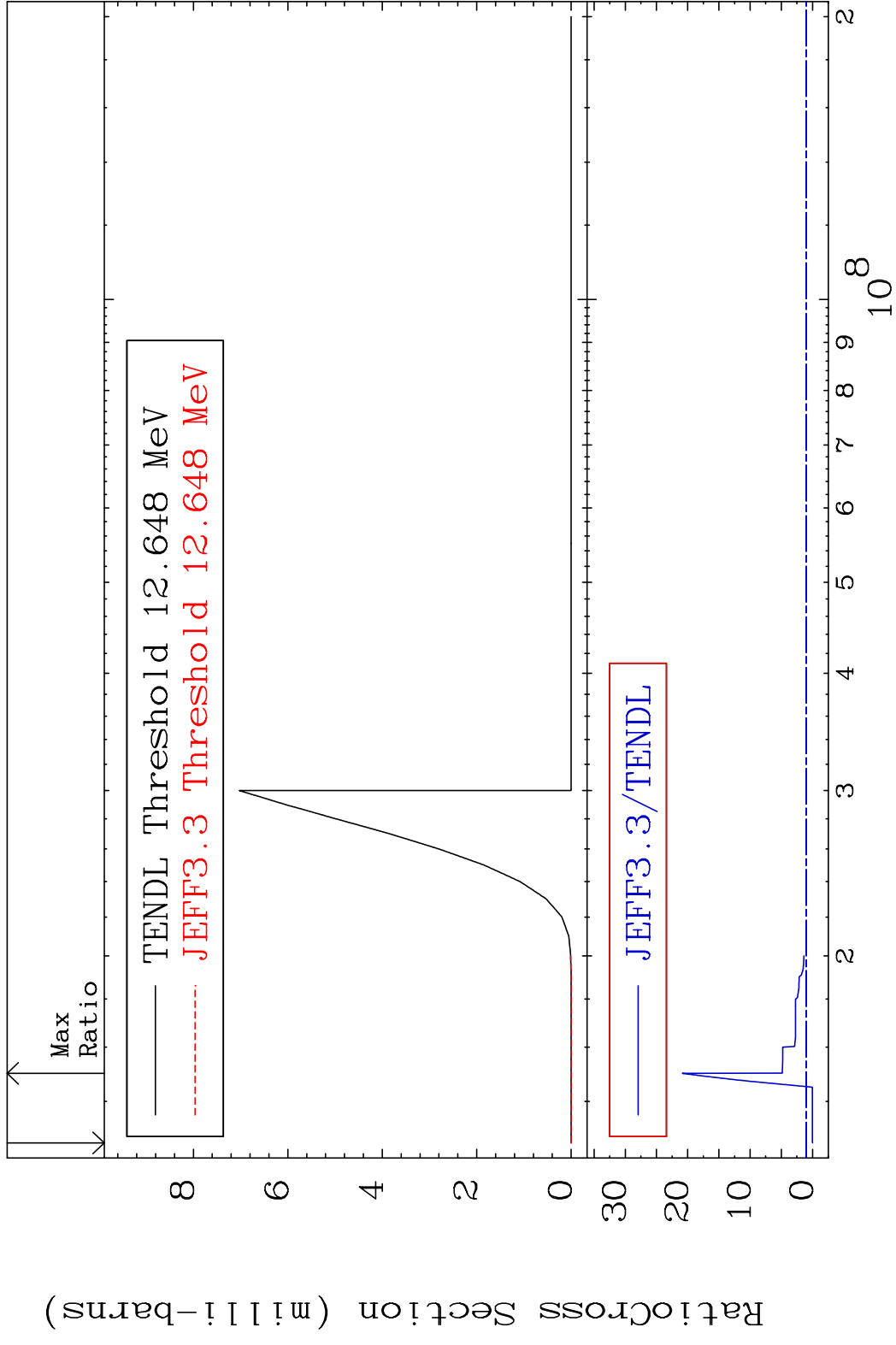
72-Hf-180

MAT 7243

(n, n') d

72-Hf-180

Cross Section -100.0 To 1986. %

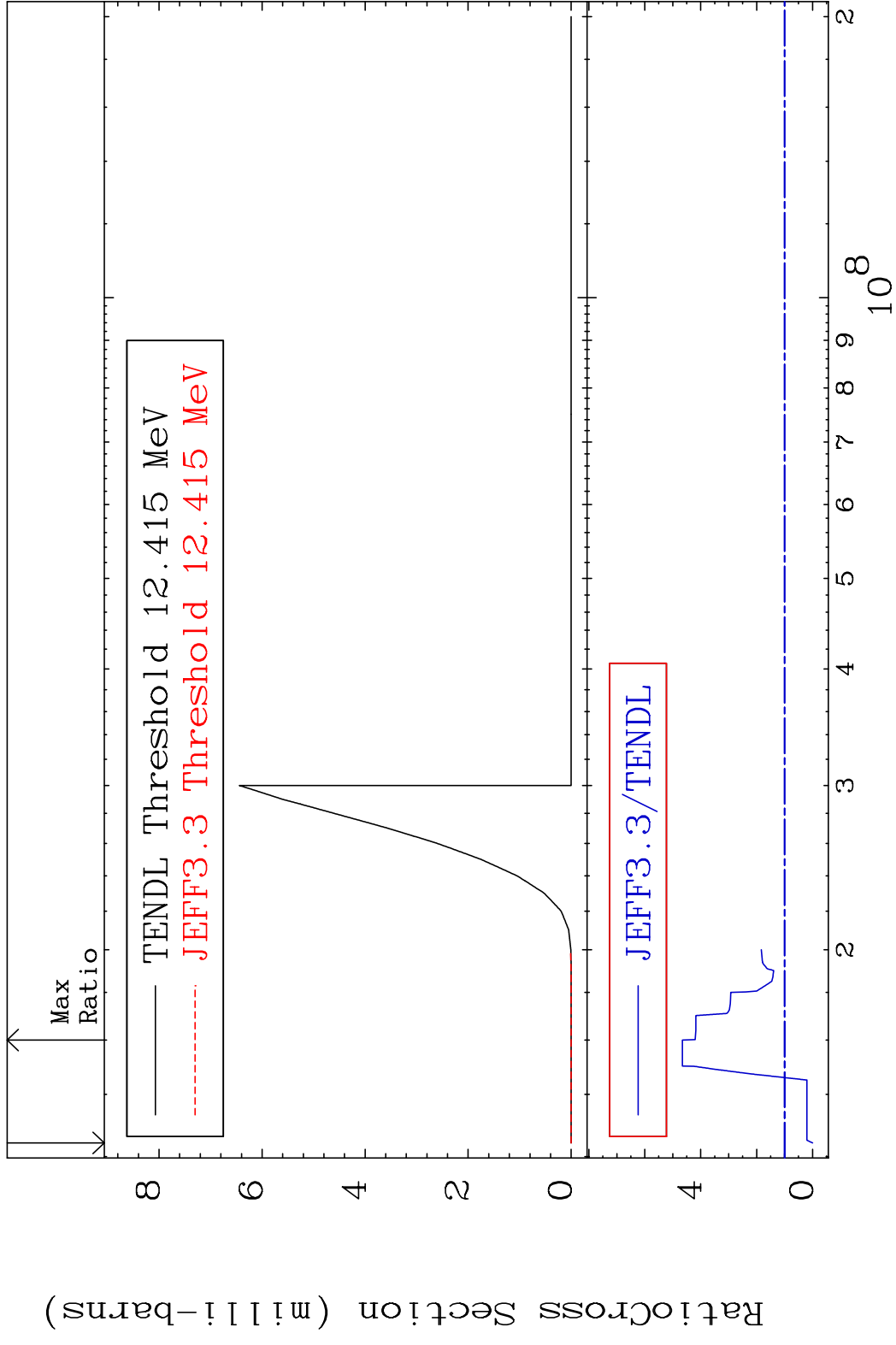


10

Incident Energy (eV)

72-Hf-180

MAT 7243 (n, n') t 72-Hf-180
 Cross Section -100.0 To 365.7 %

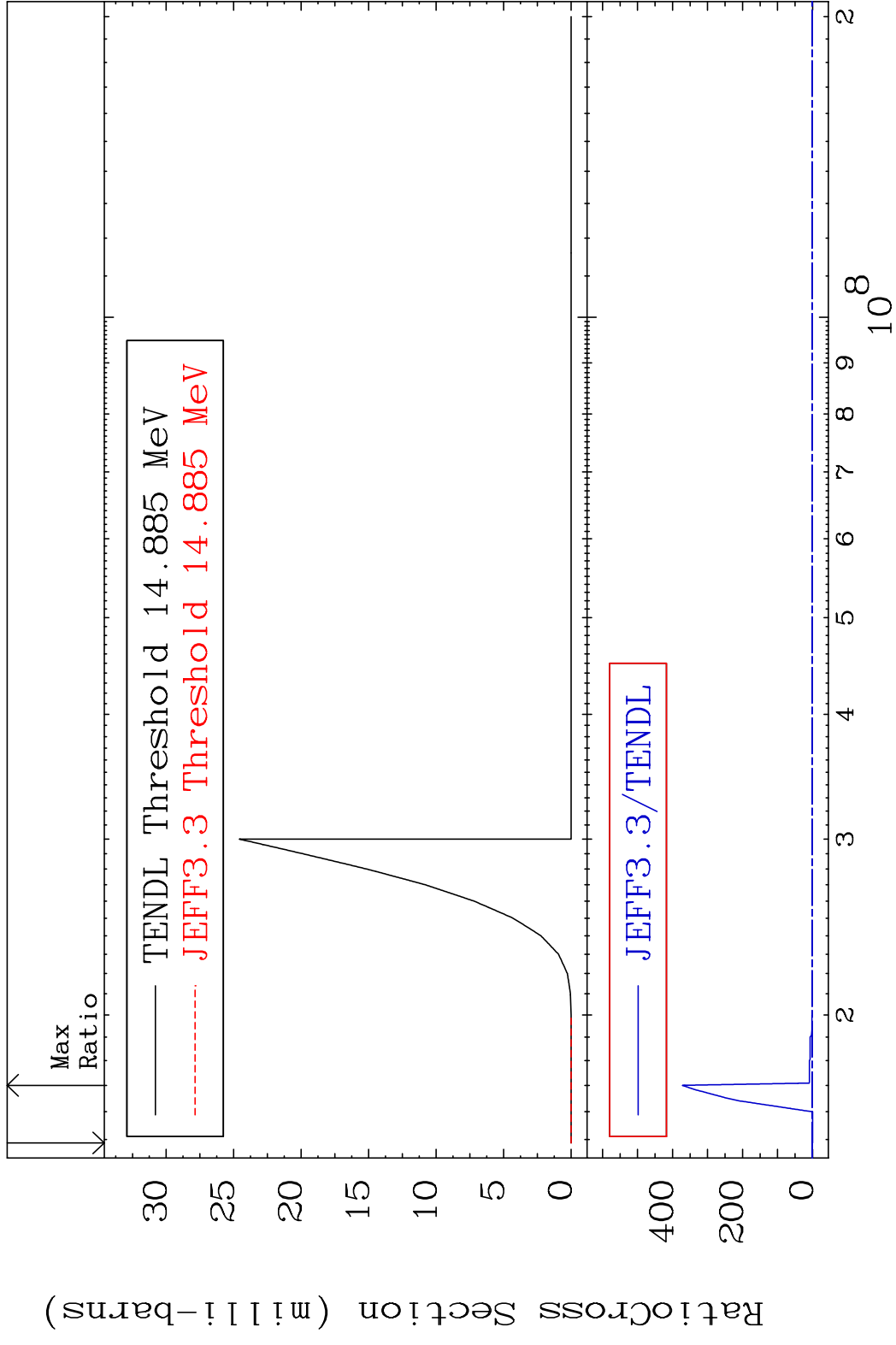


MAT 7243

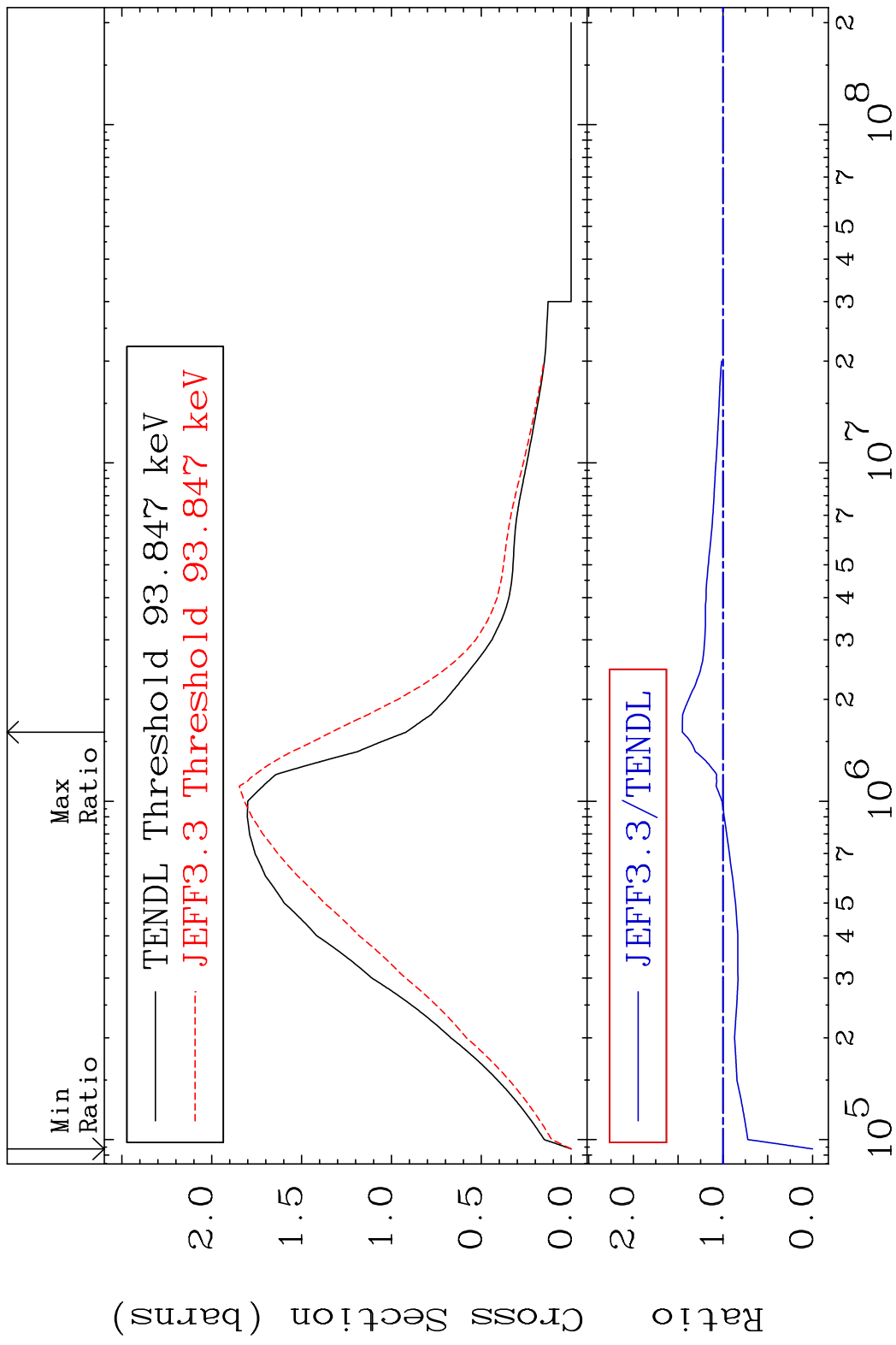
(n,2n) p

72-Hf-180

Cross Section -100.0 To 9999. %

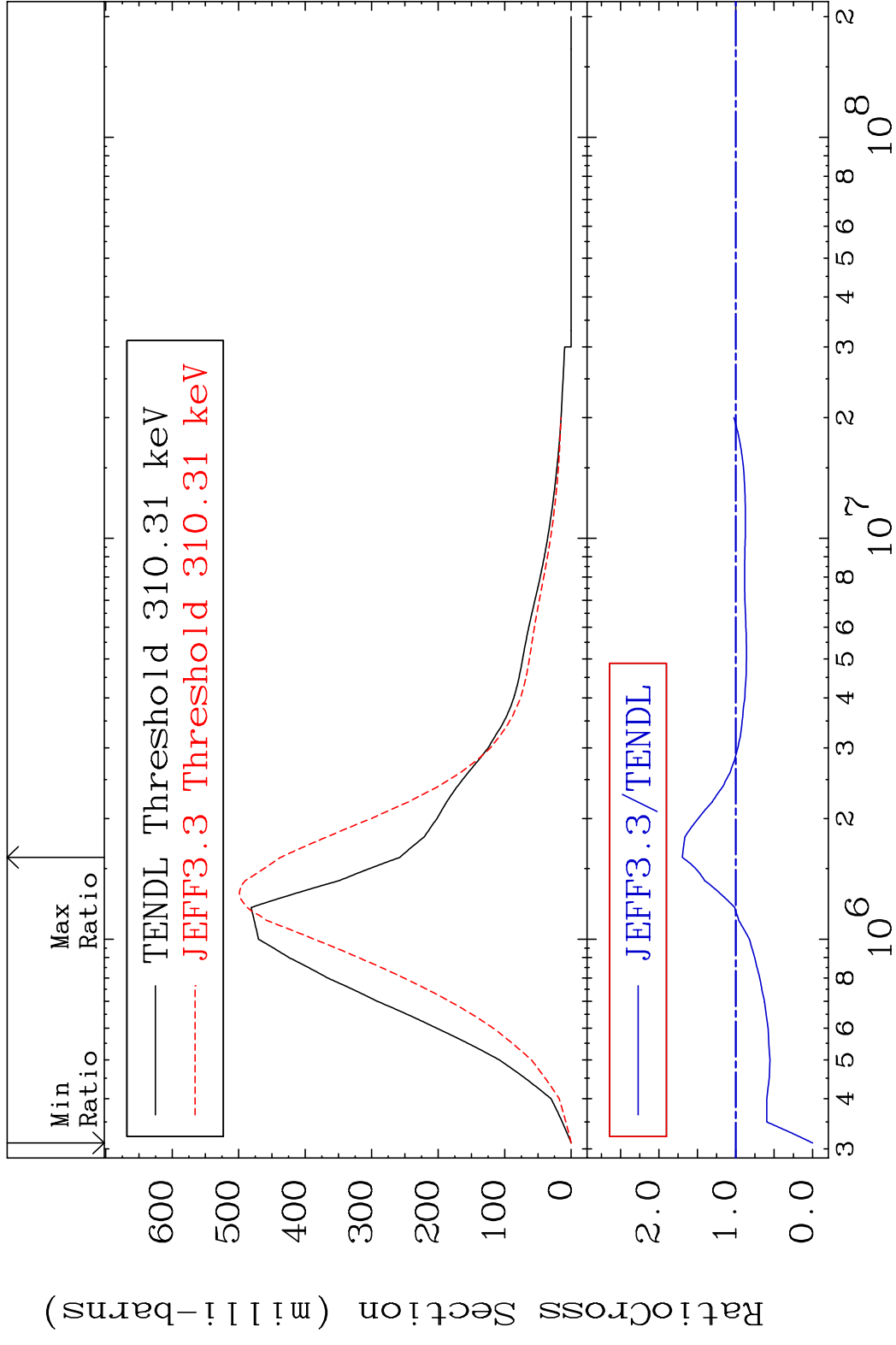


MAT 7243 MT= 51 (n, n') Level 72-Hf-180
 Cross Section -100.0 To 45.31 %

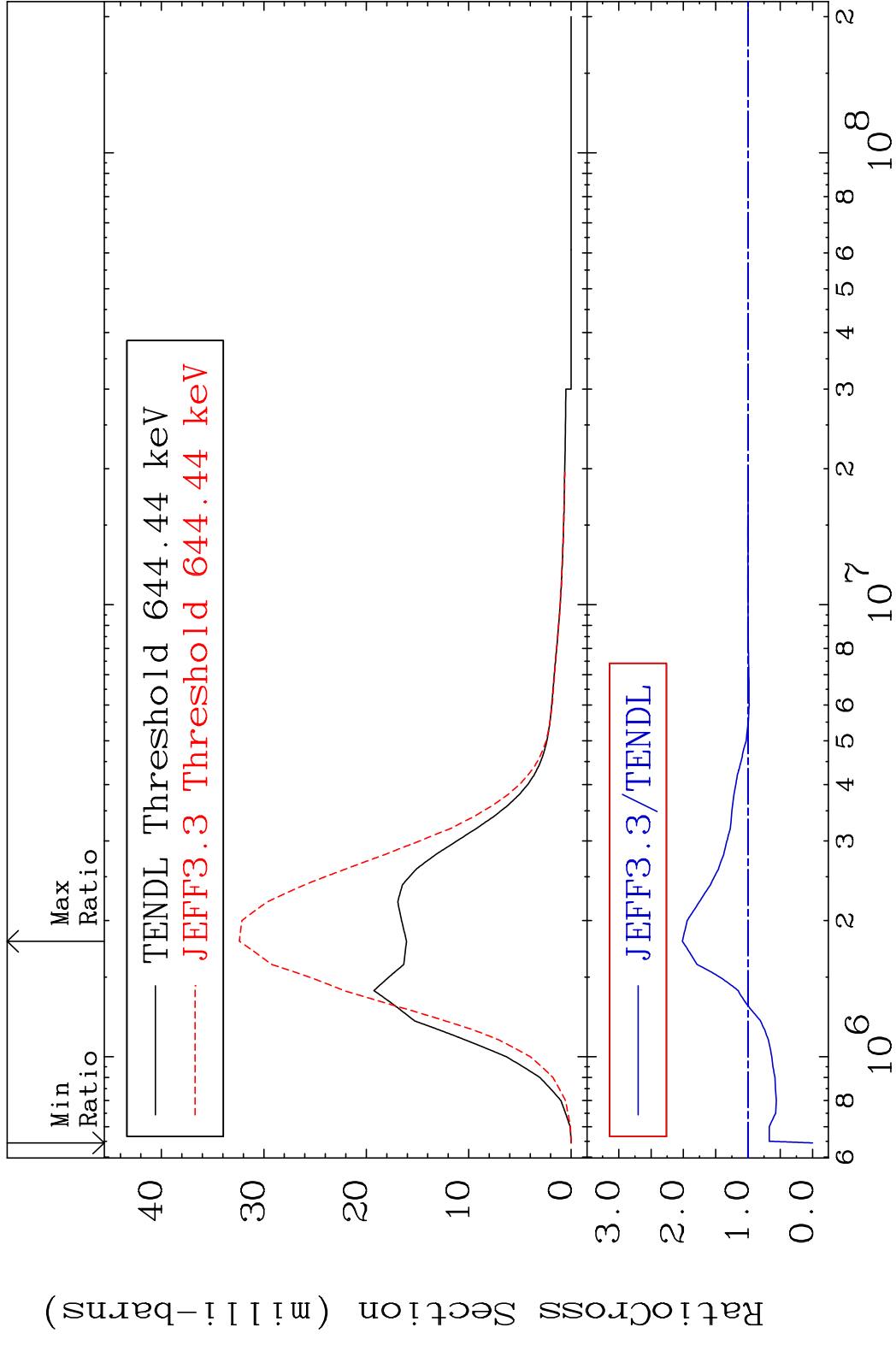


13 Incident Energy (eV) 72-Hf-180

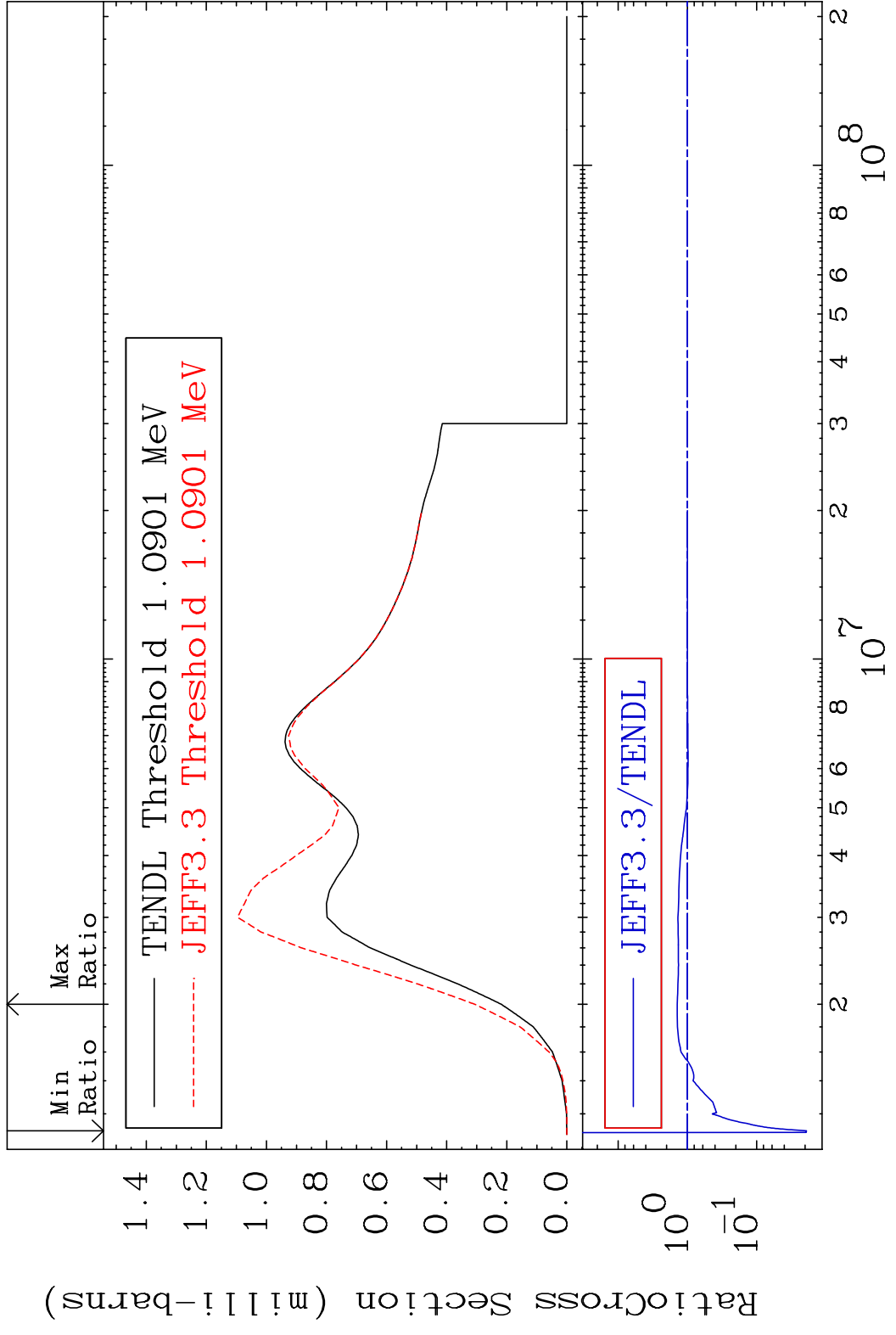
MAT 7243 MT= 52 (n,n') Level 72-Hf-180
 Cross Section -100.0 To 69.51 %



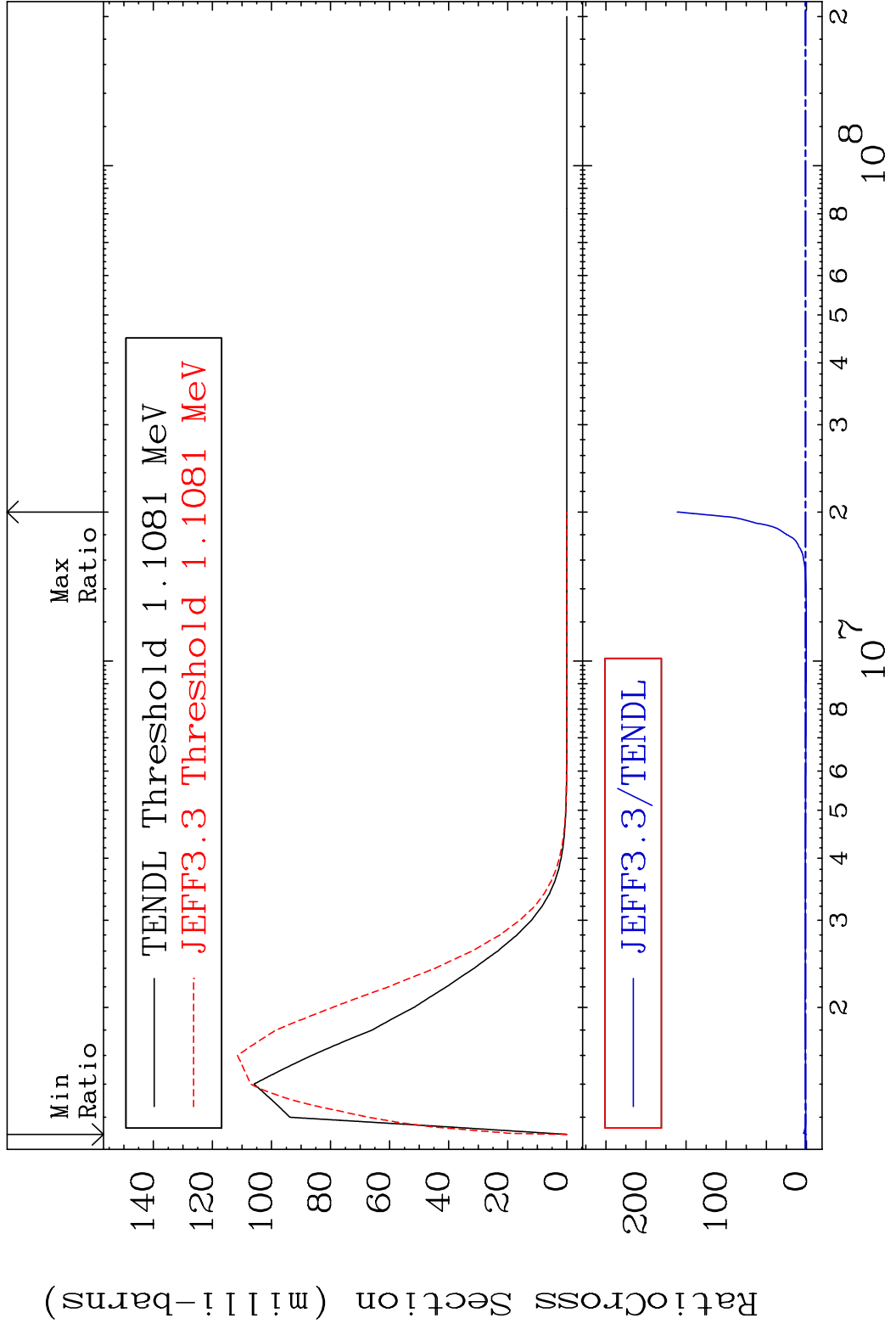
MAT 7243 MT= 53 (n, n') Level 72-Hf-180
 Cross Section -100.0 To 101.5 %



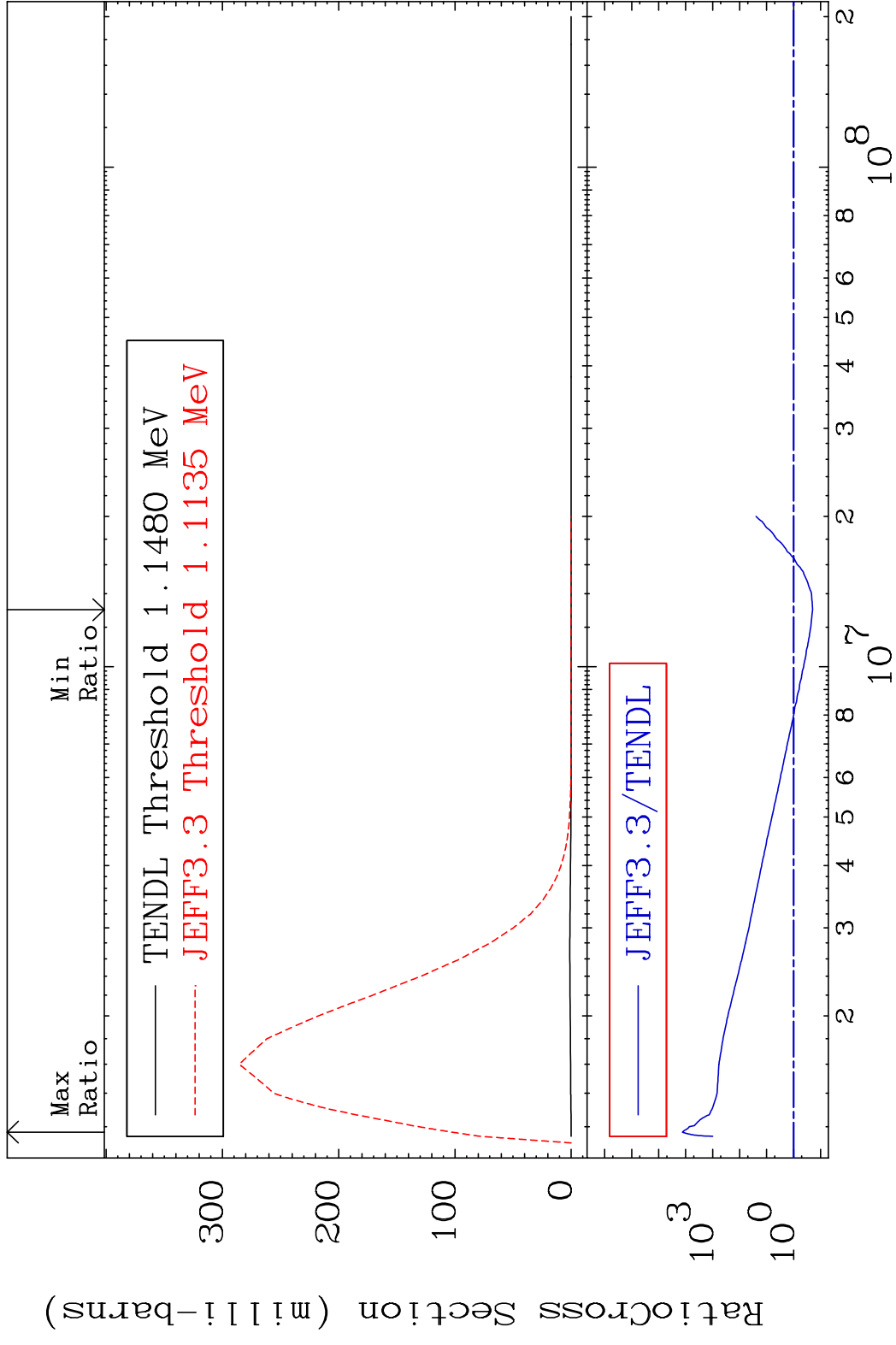
MAT 7243 MT= 54 (n,n') Level 72-Hf-180
 Cross Section -98.08 To 40.63 %



MAT 7243 MT= 55 (n, n') Level 72-Hf-180
 Cross Section -100.0 To 9999. %



MAT 7243 MT= 56 (n,n') Level 72-Hf-180
 Cross Section -80.18 To 9999. %

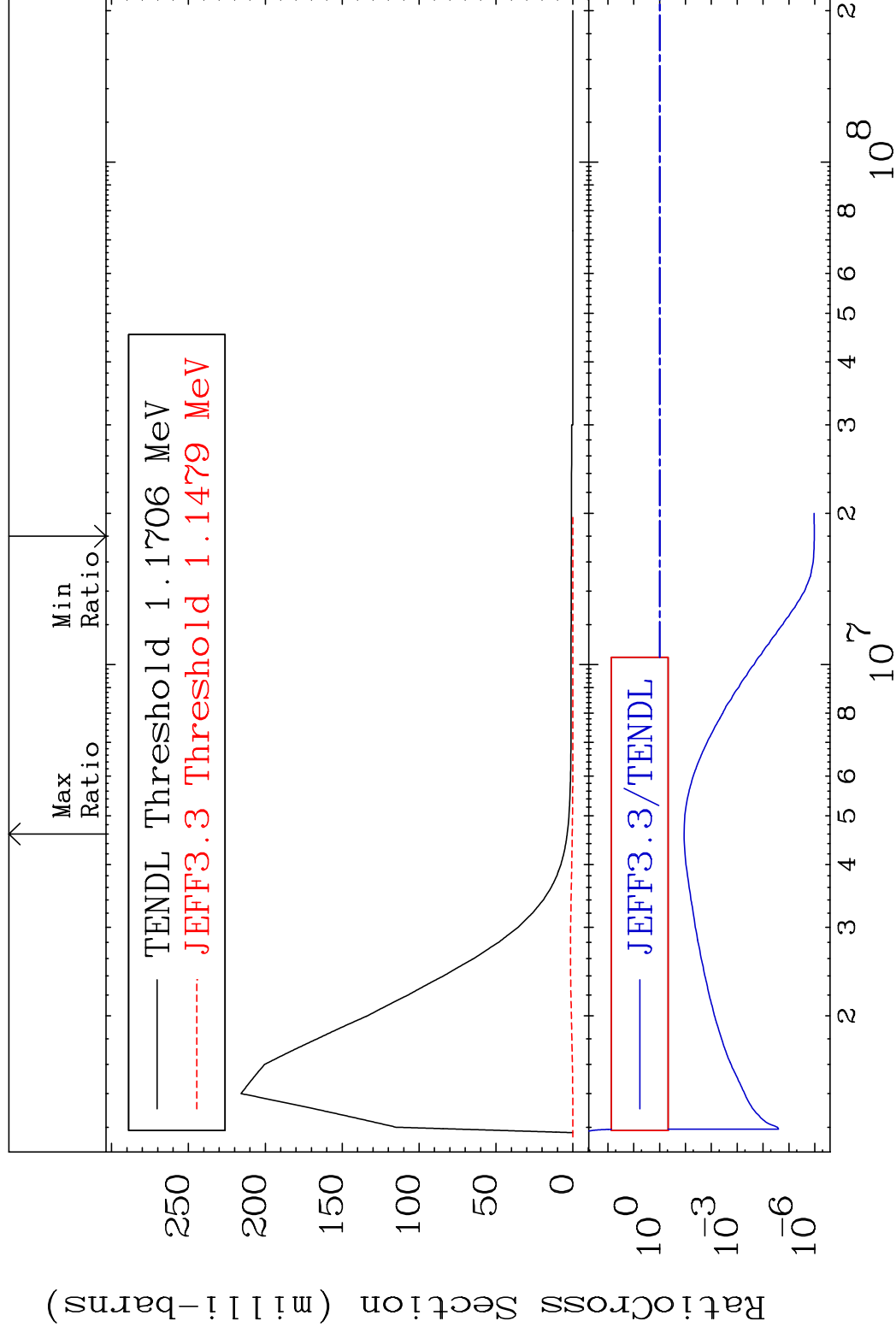


MAT 7243

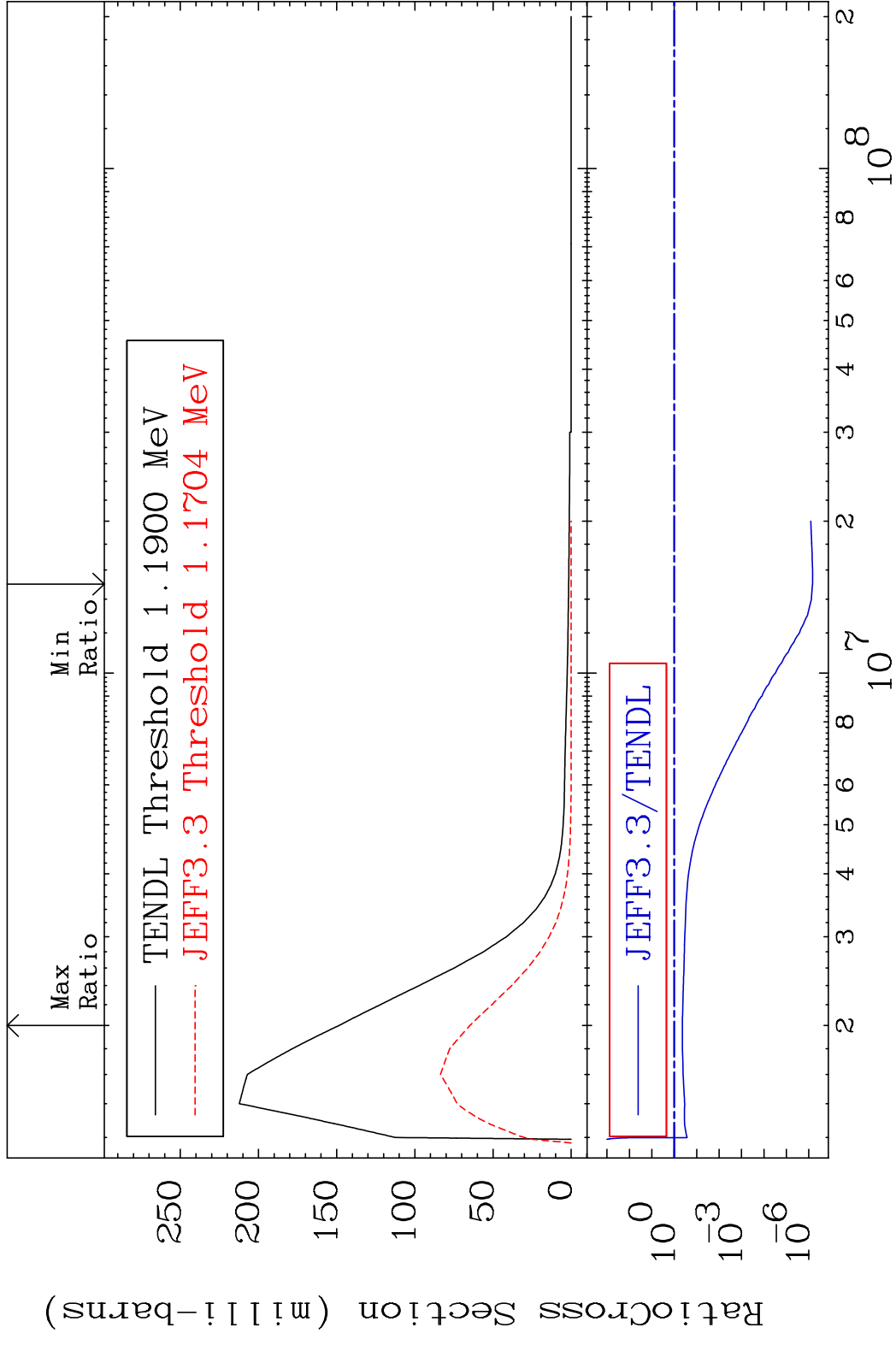
MT= 57 (n, n') Level

72-Hf-180

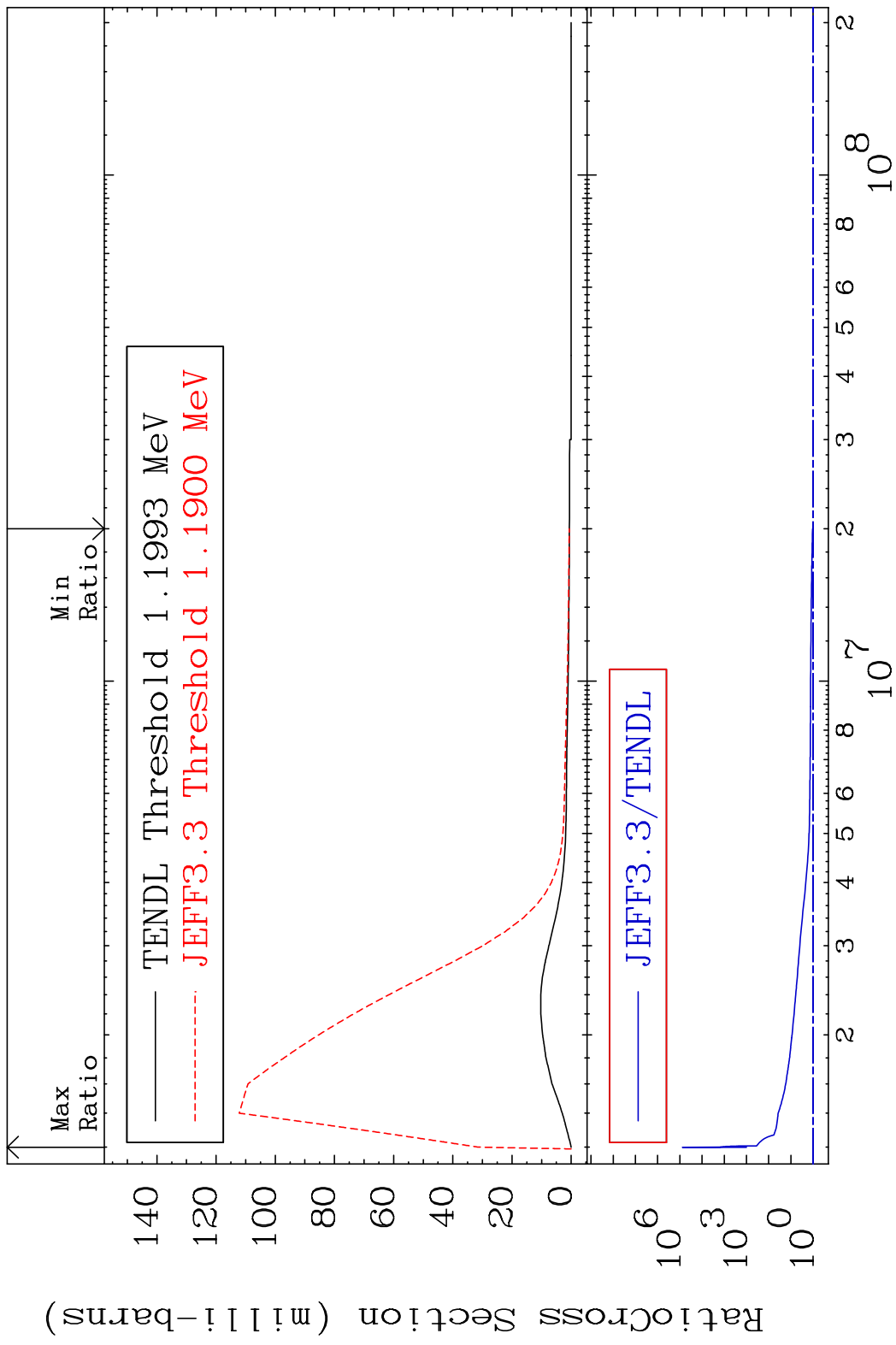
Cross Section -100.0 To -88.68%



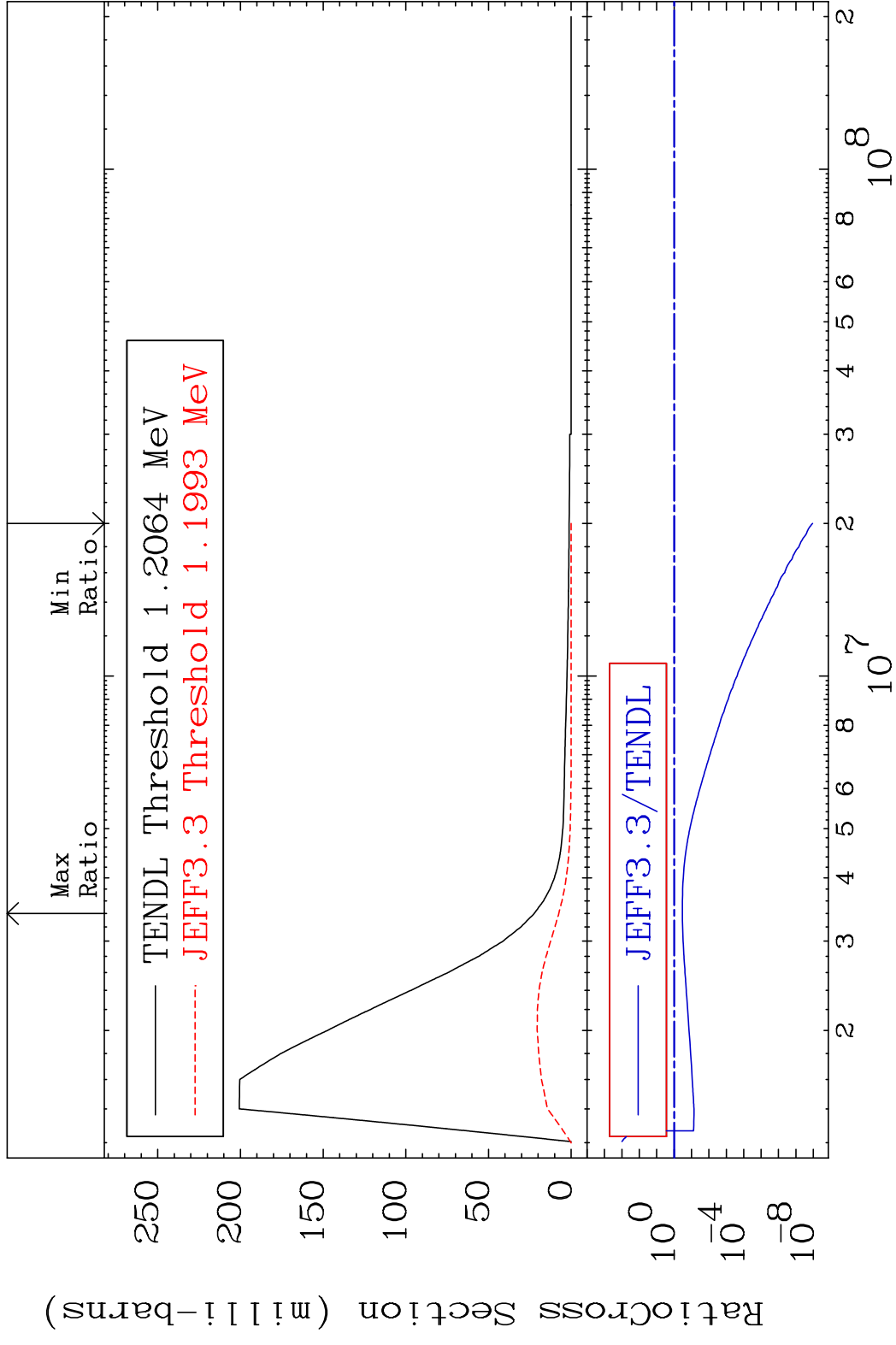
MAT 7243 MT= 58 (n, n') Level 72-Hf-180
 Cross Section -100.0 To -56.39%



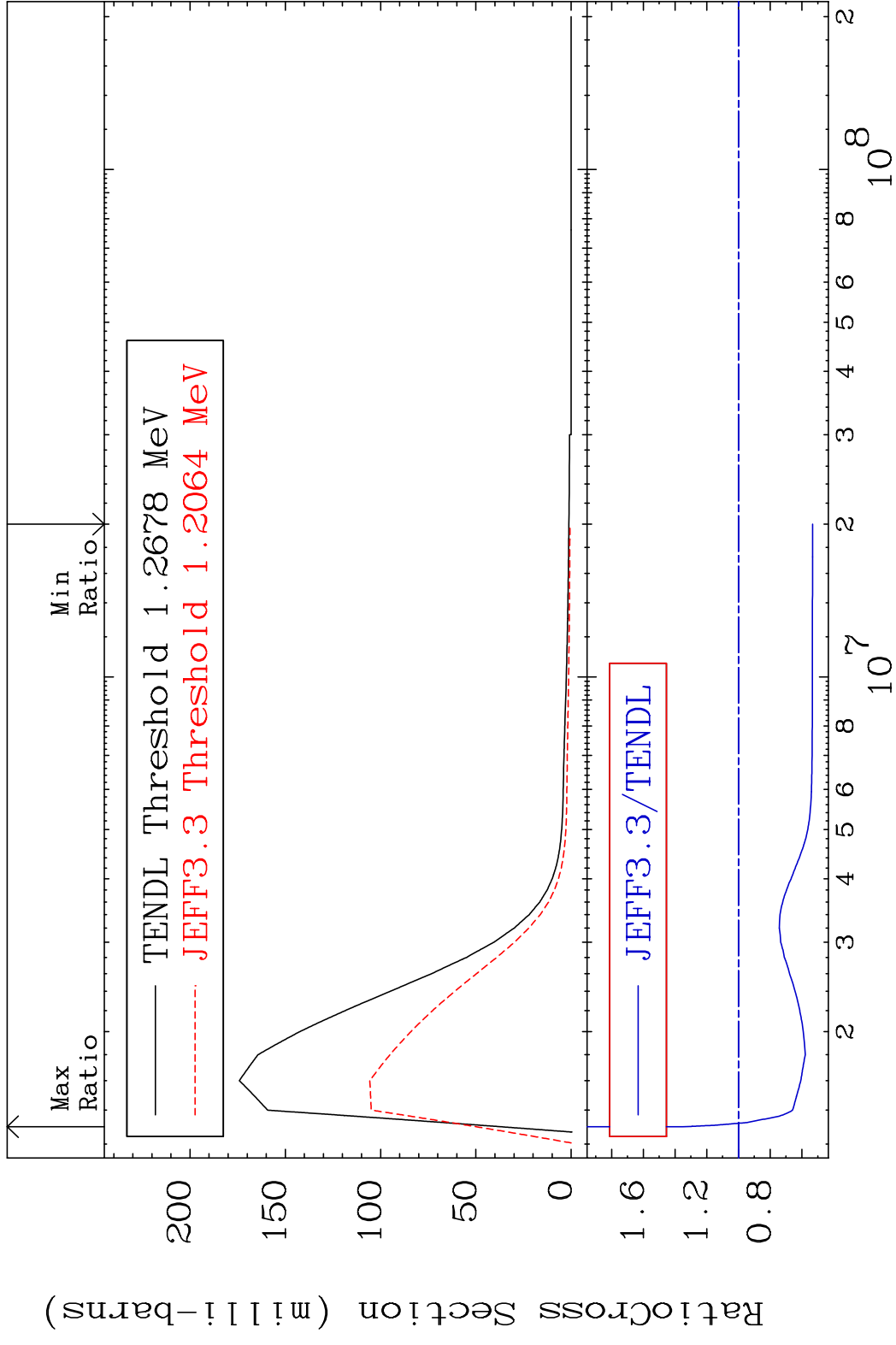
MAT 7243 MT= 59 (n, n') Level 72-Hf-180
 Cross Section 5.250 To 9999. %



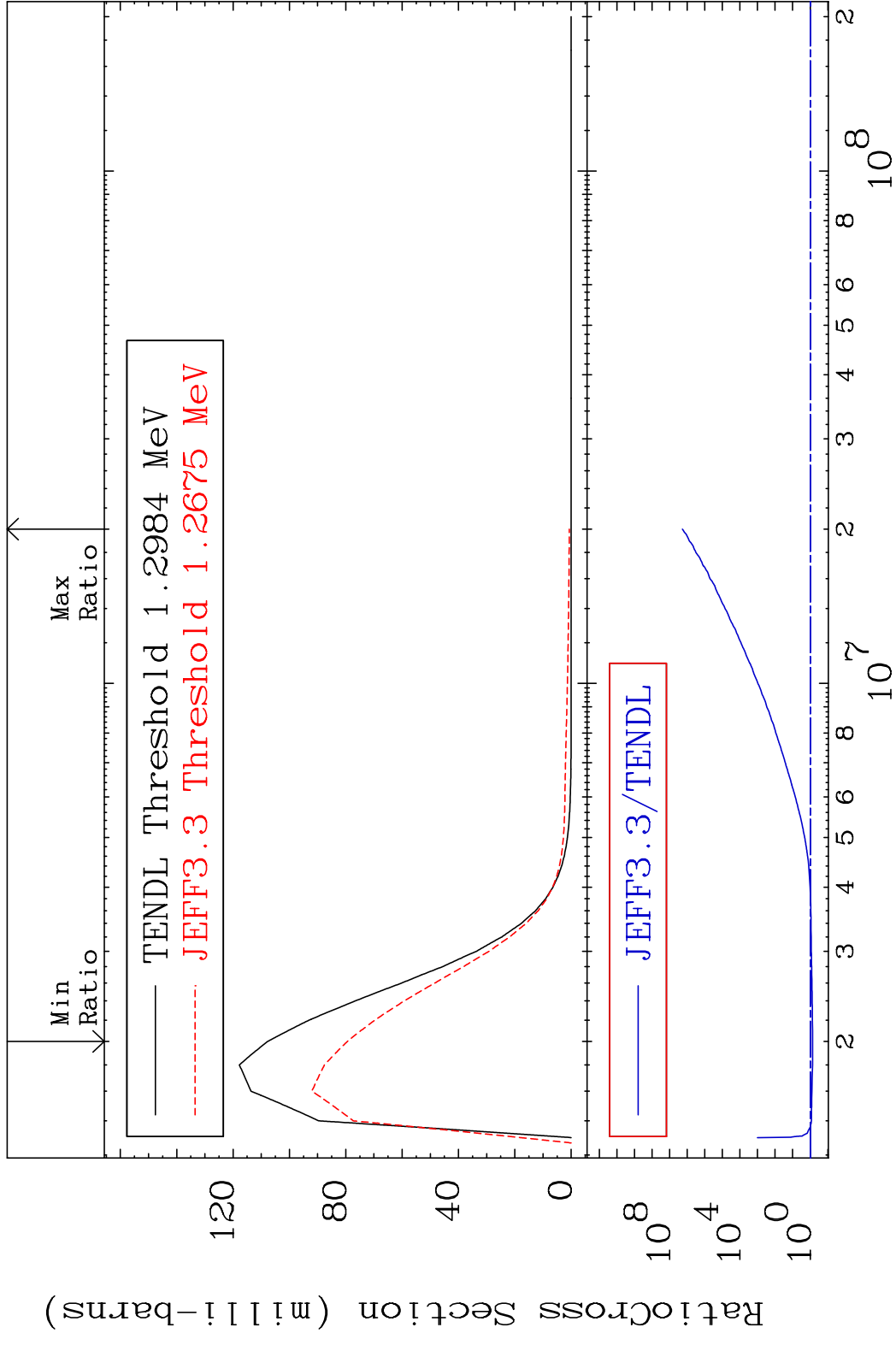
MAT 7243 MT= 60 (n, n') Level 72-Hf-180
 Cross Section -100.0 To -66.52%



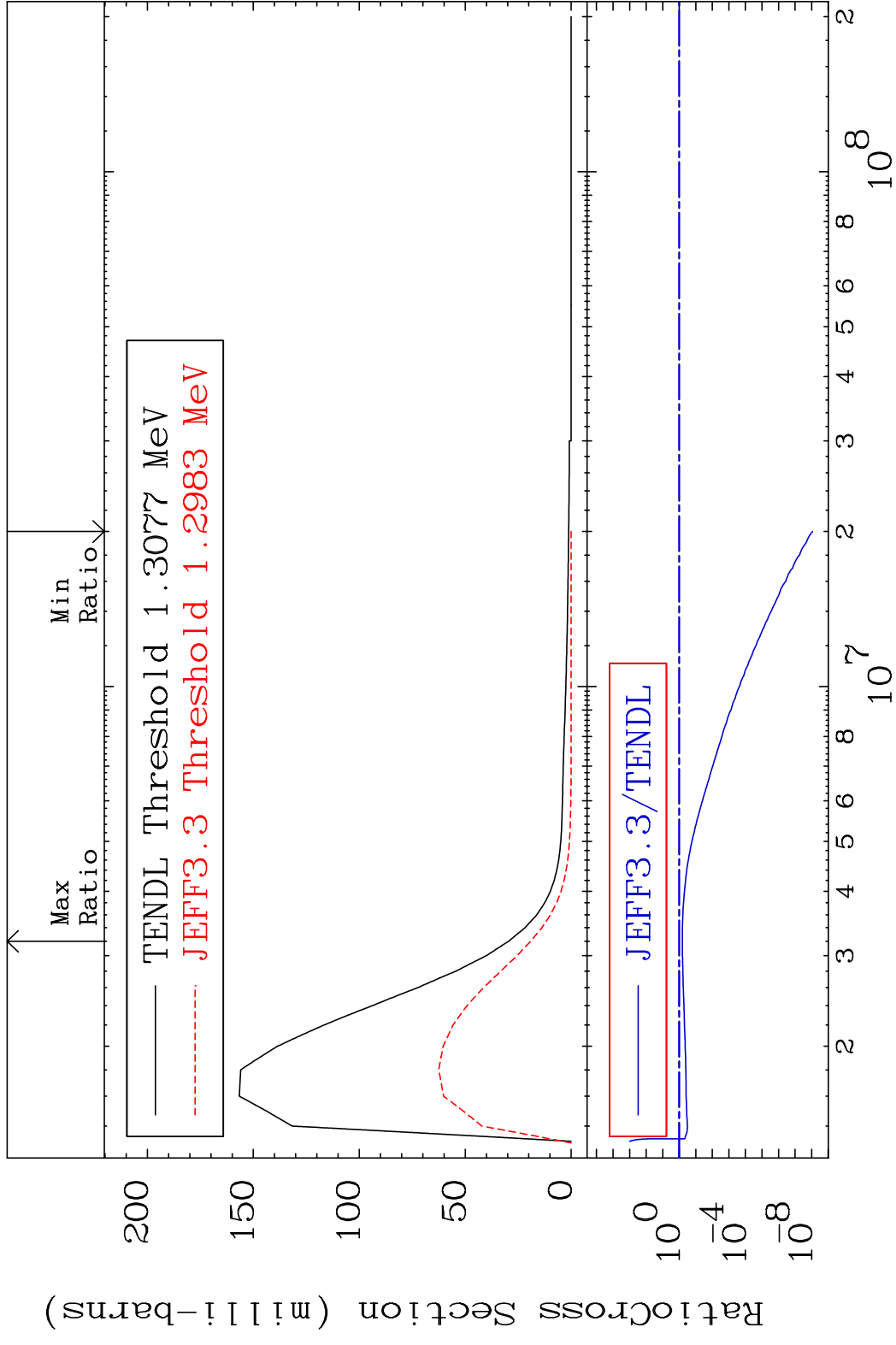
MAT 7243 MT= 61 (n, n') Level 72-Hf-180
 Cross Section -46.73 To 35.41 %



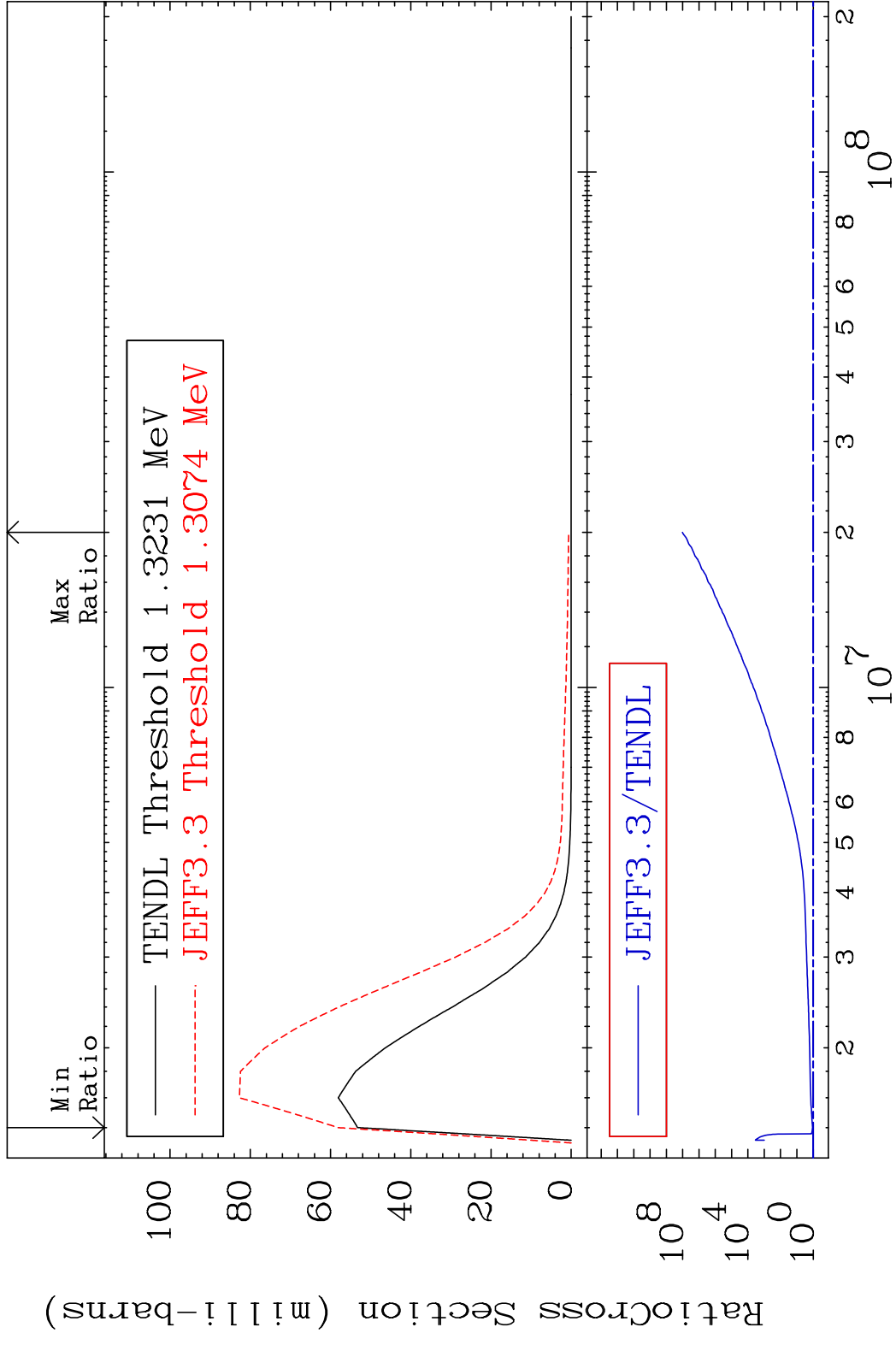
MAT 7243 MT= 62 (n, n') Level 72-Hf-180
 Cross Section -26.26 To 9999. %



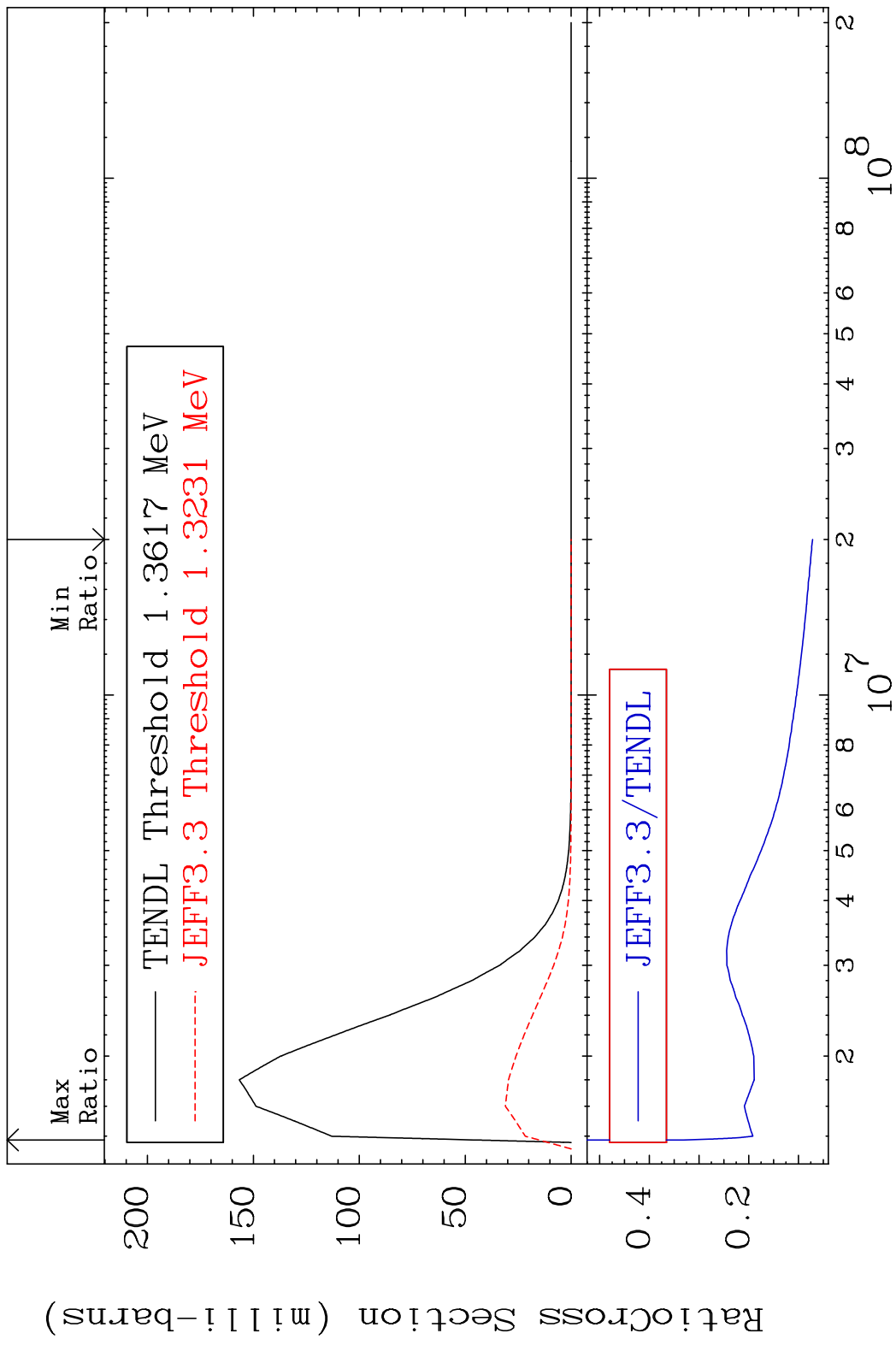
MAT 7243 MT= 63 (n, n') Level 72-Hf-180
 Cross Section -100.0 To -35.20%



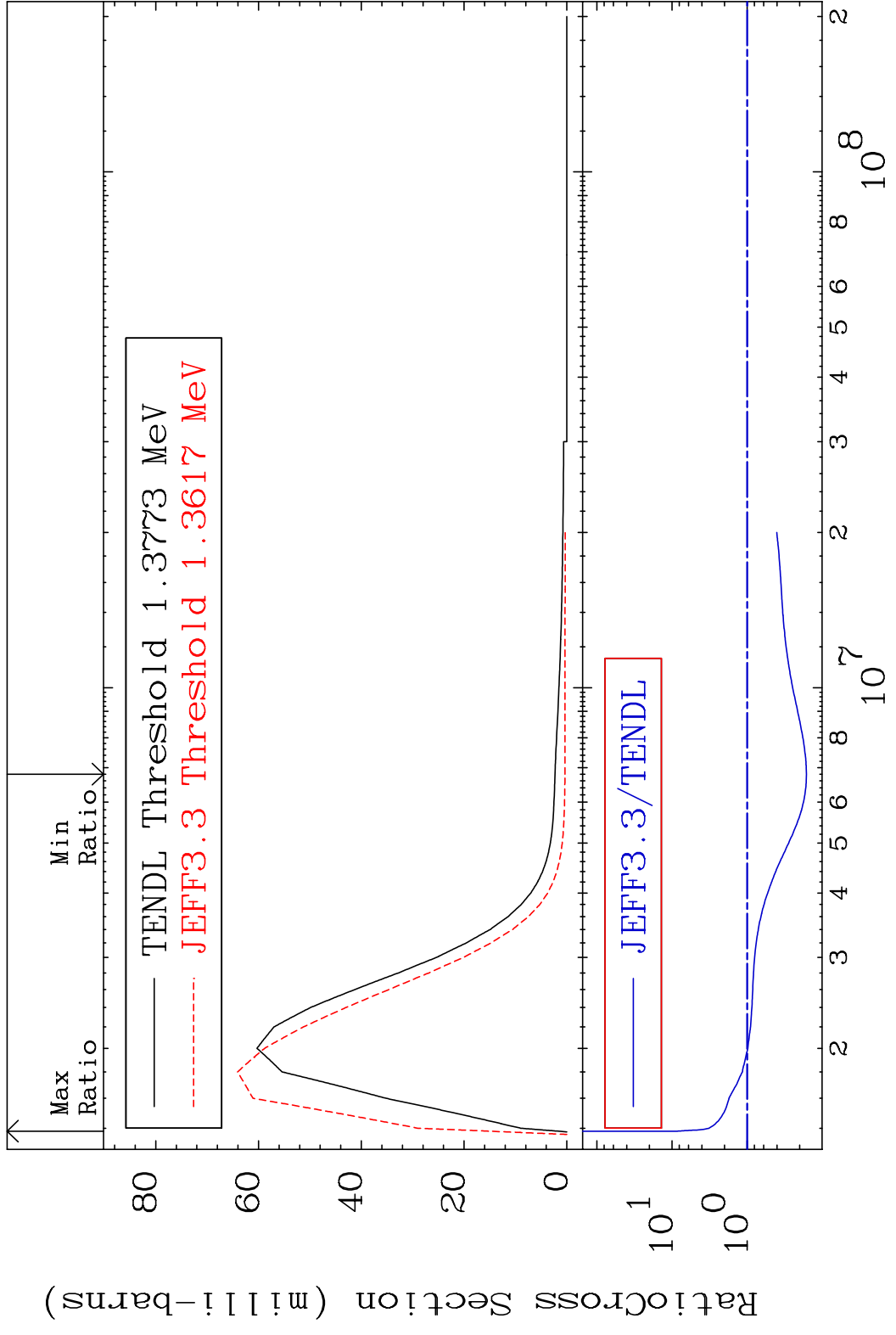
MAT 7243 MT= 64 (n, n') Level 72-Hf-180
 Cross Section 9.157 To 9999. %



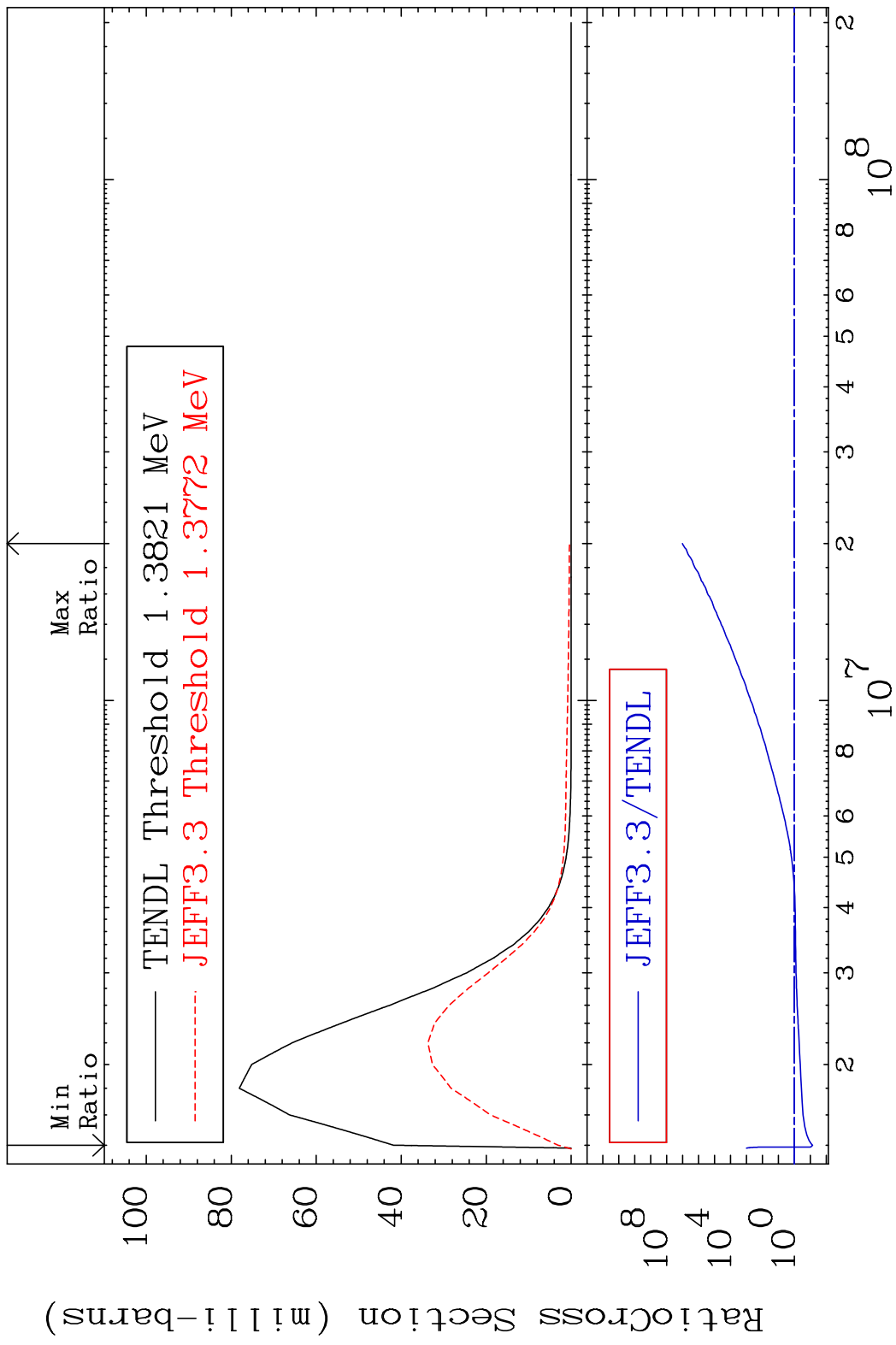
MAT 7243 MT= 65 (n, n') Level 72-Hf-180
 Cross Section -92.86 To -66.65%



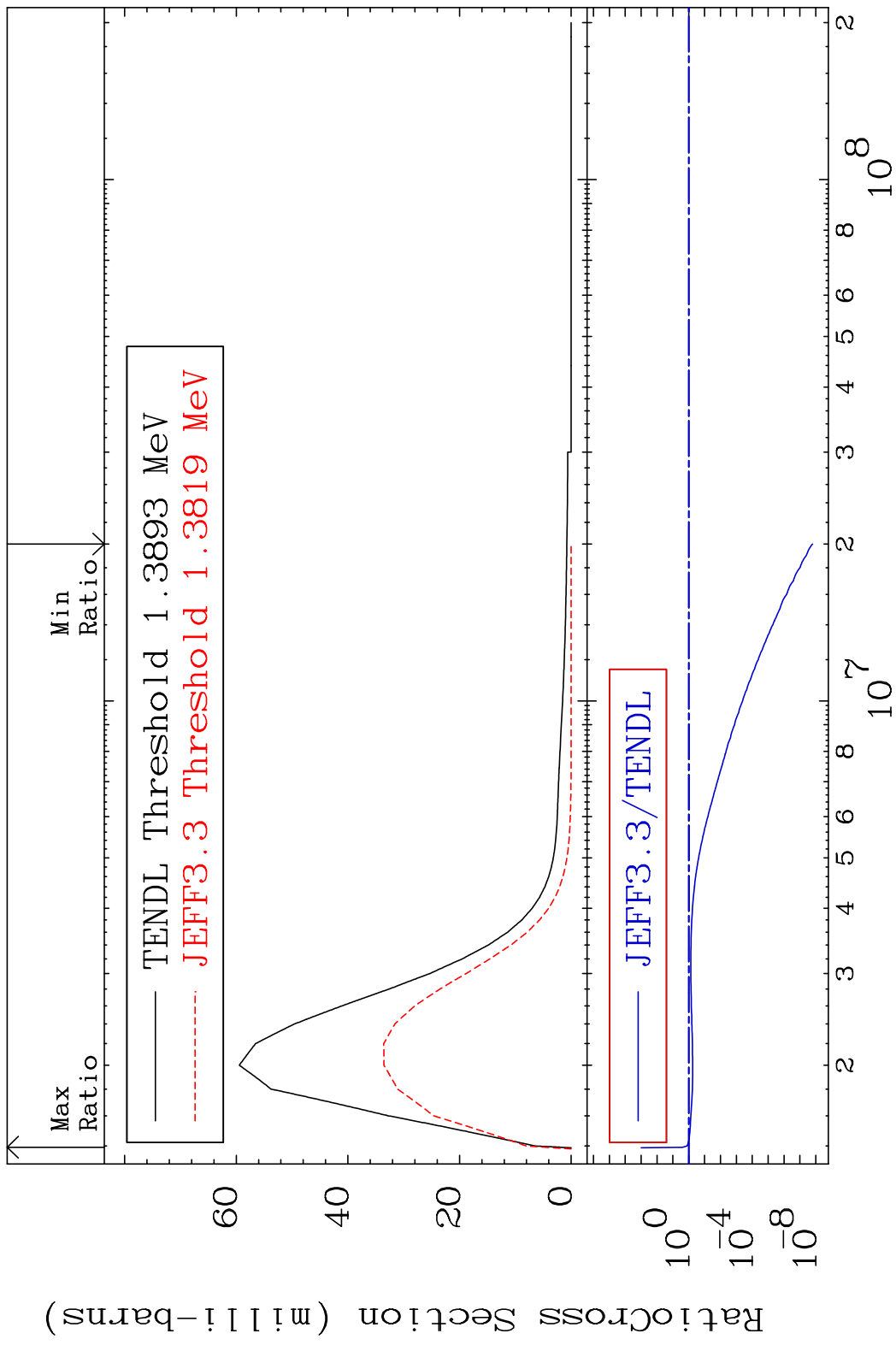
MAT 7243 MT= 66 (n,n') Level 72-Hf-180
 Cross Section -83.79 To 750.9 %



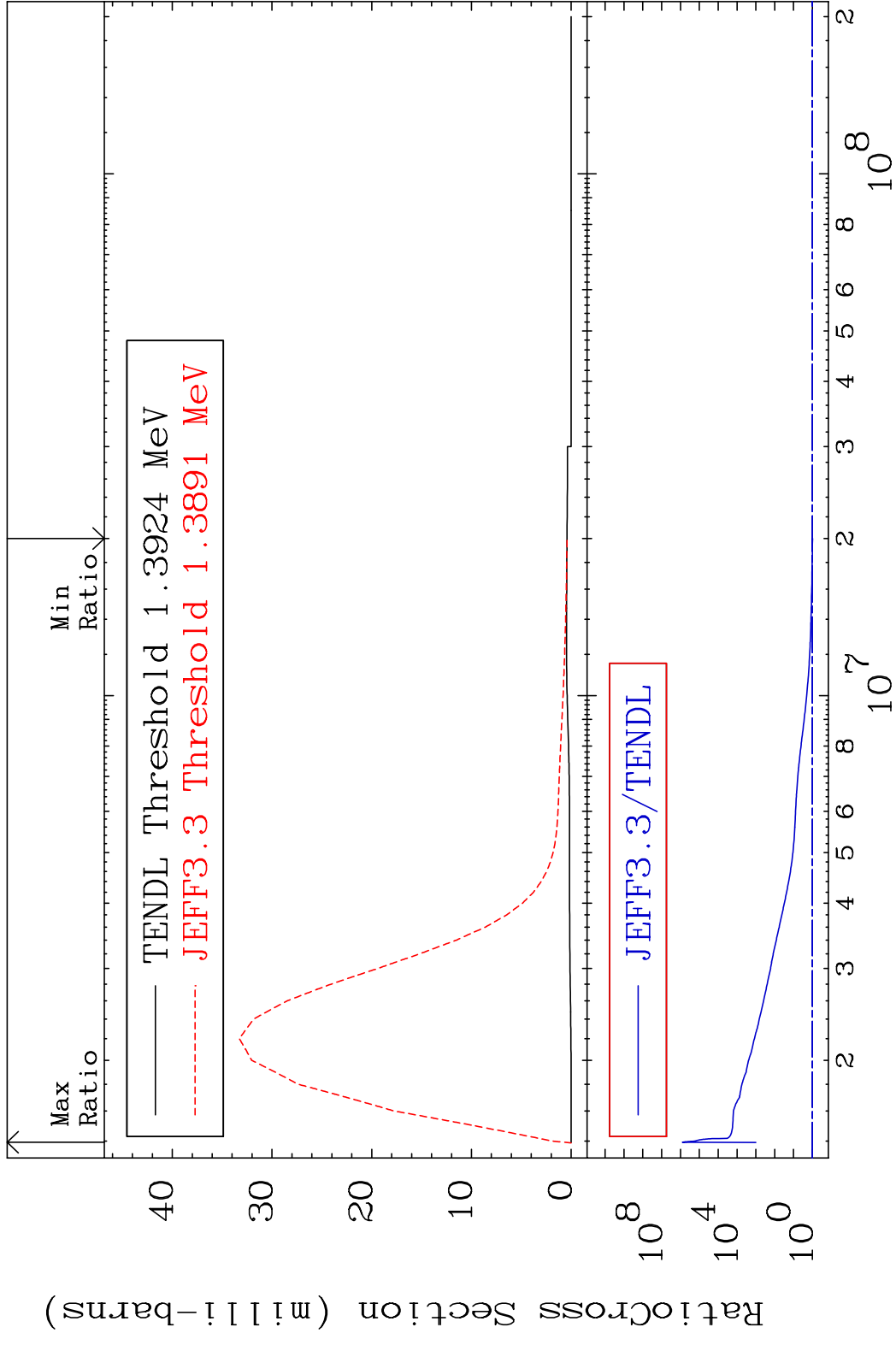
MAT 7243 MT= 67 (n, n') Level 72-Hf-180
 Cross Section -92.66 To 9999. %



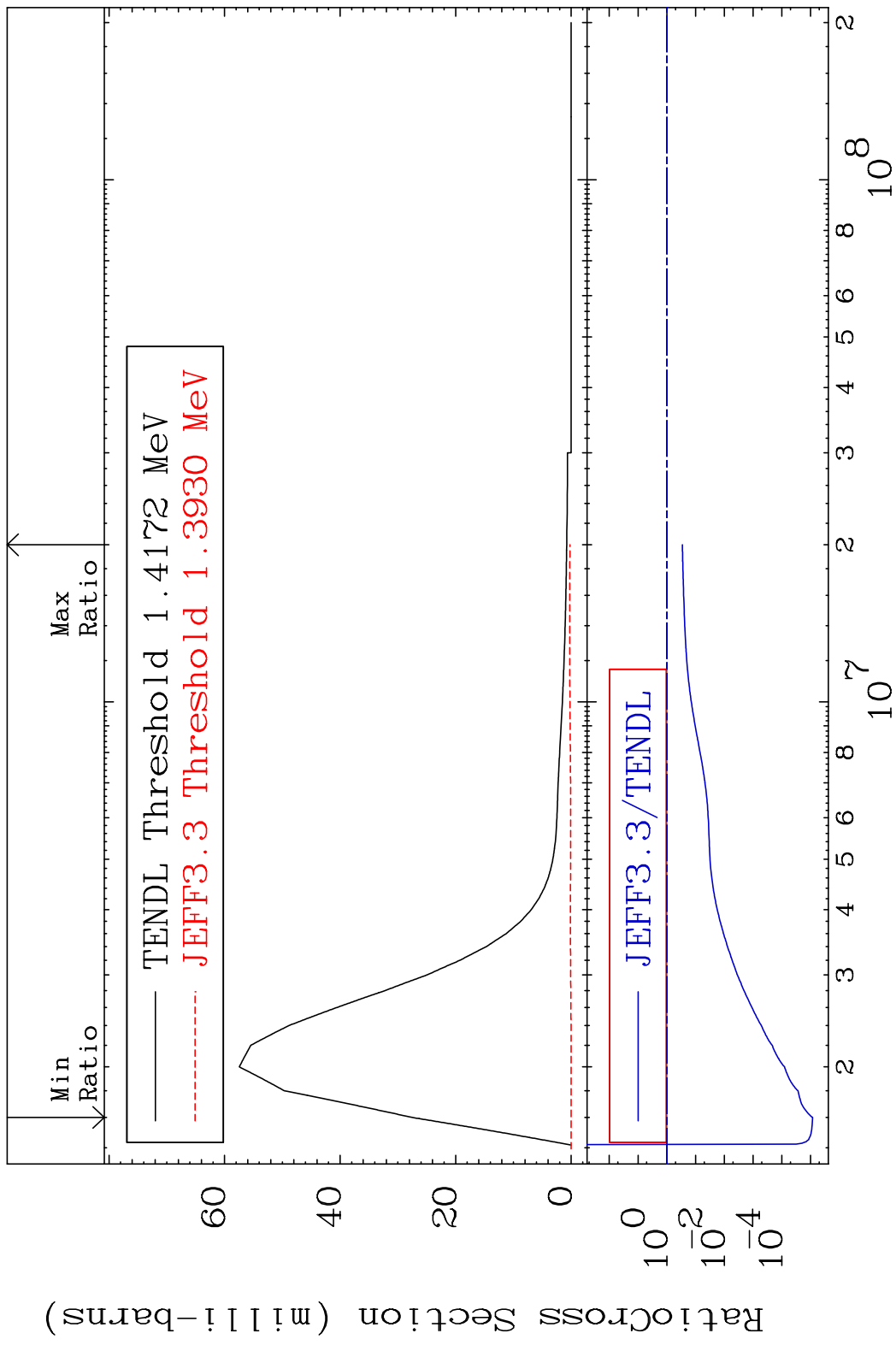
MAT 7243 MT= 68 (n, n') Level 72-Hf-180
 Cross Section -100.0 To 152.8 %



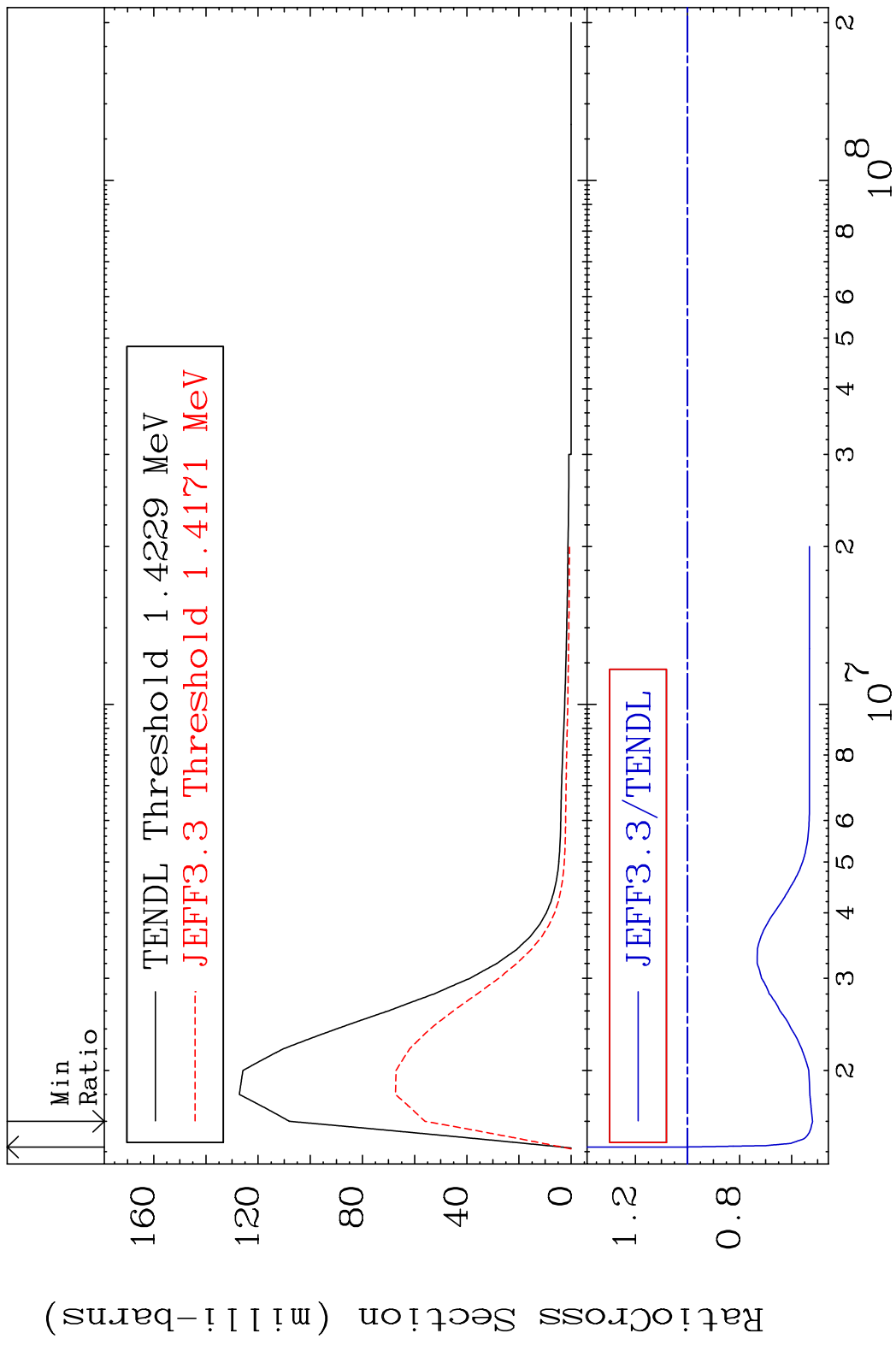
MAT 7243 MT= 69 (n,n') Level 72-Hf-180
 Cross Section -1.802 To 9999. %



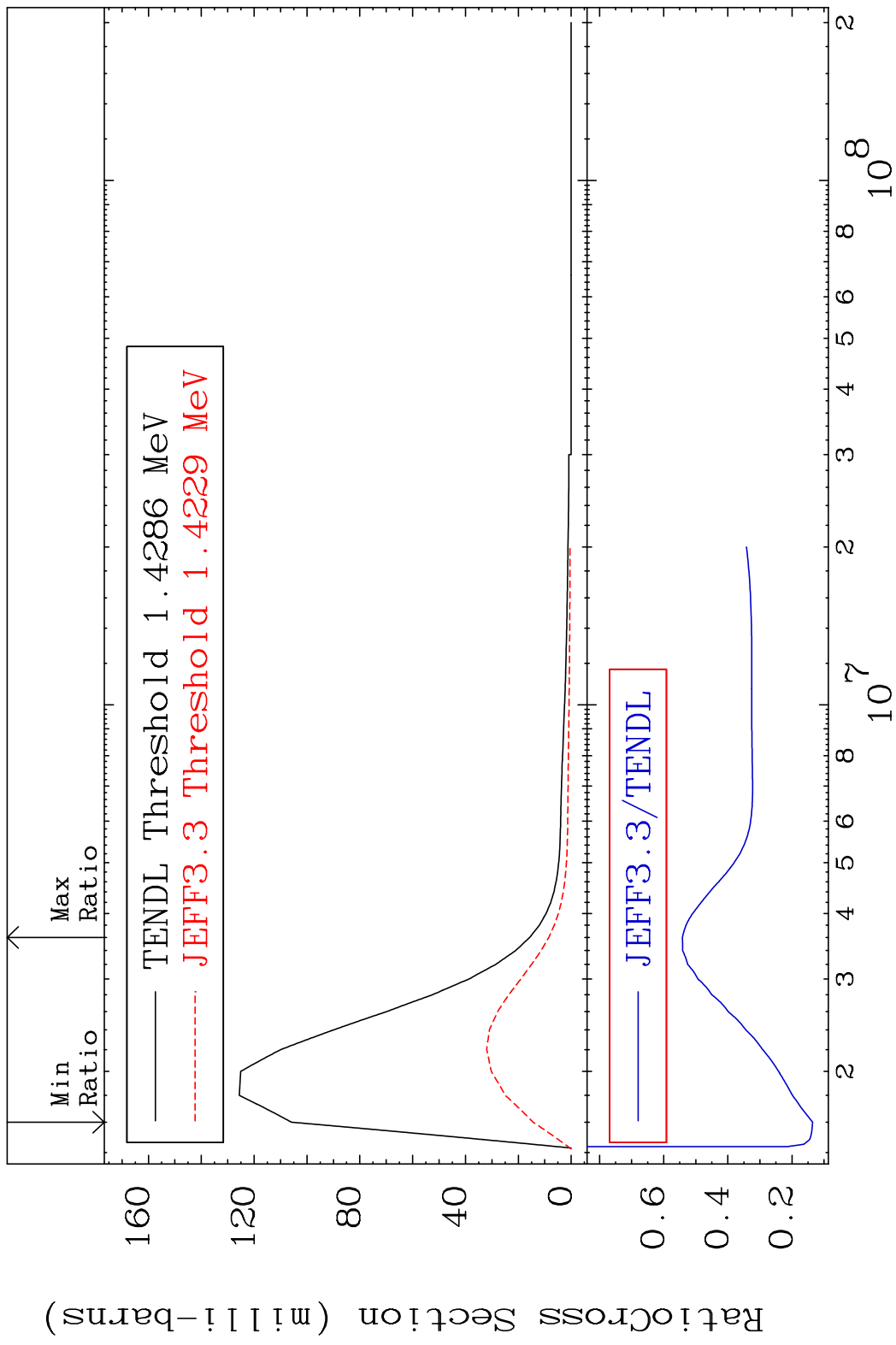
MAT 7243 MT= 70 (n, n') Level 72-Hf-180
 Cross Section -100.0 To -71.22%



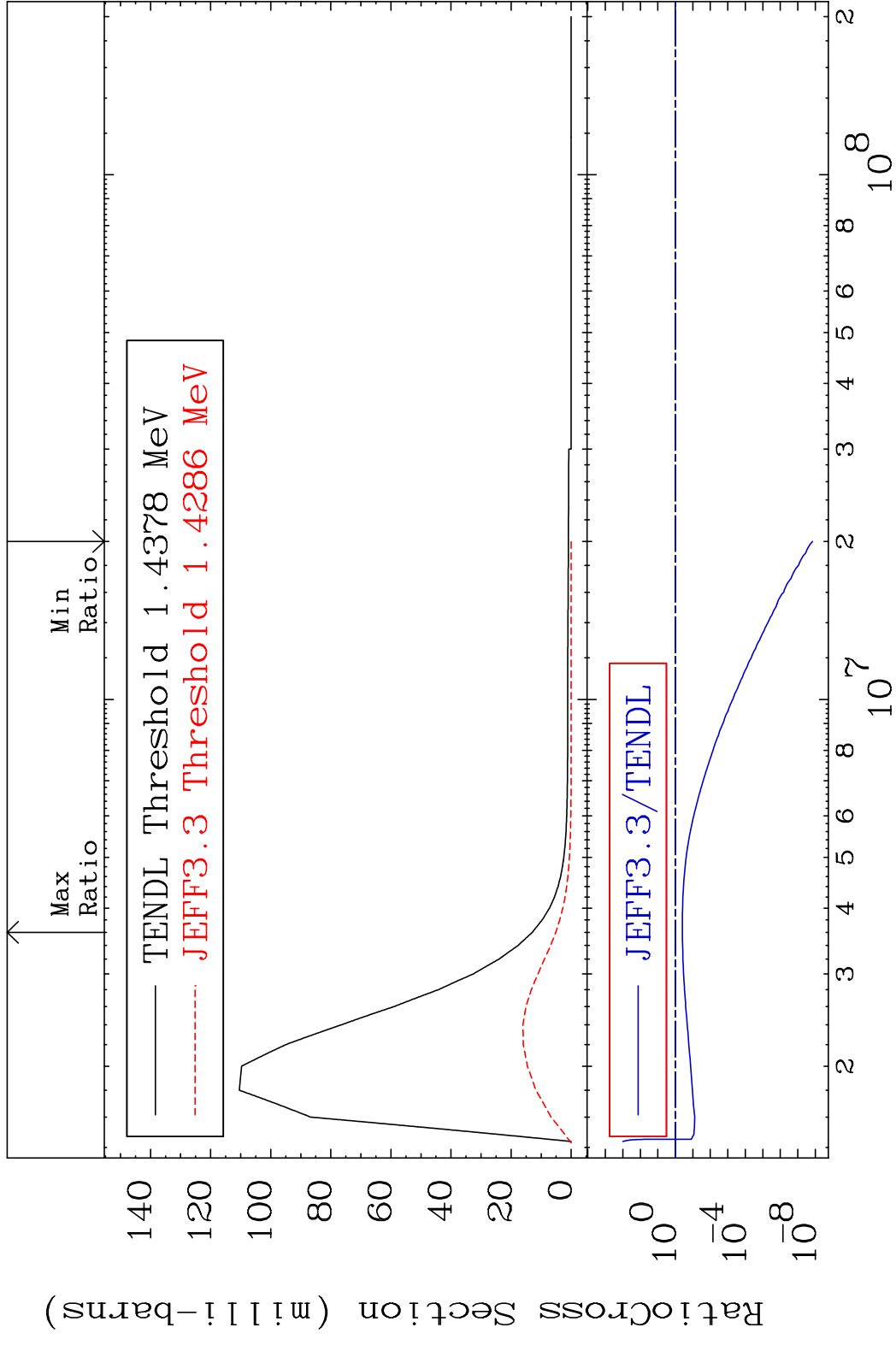
MAT 7243 MT= 71 (n,n') Level 72-Hf-180
 Cross Section -48.08 To 1.980 %



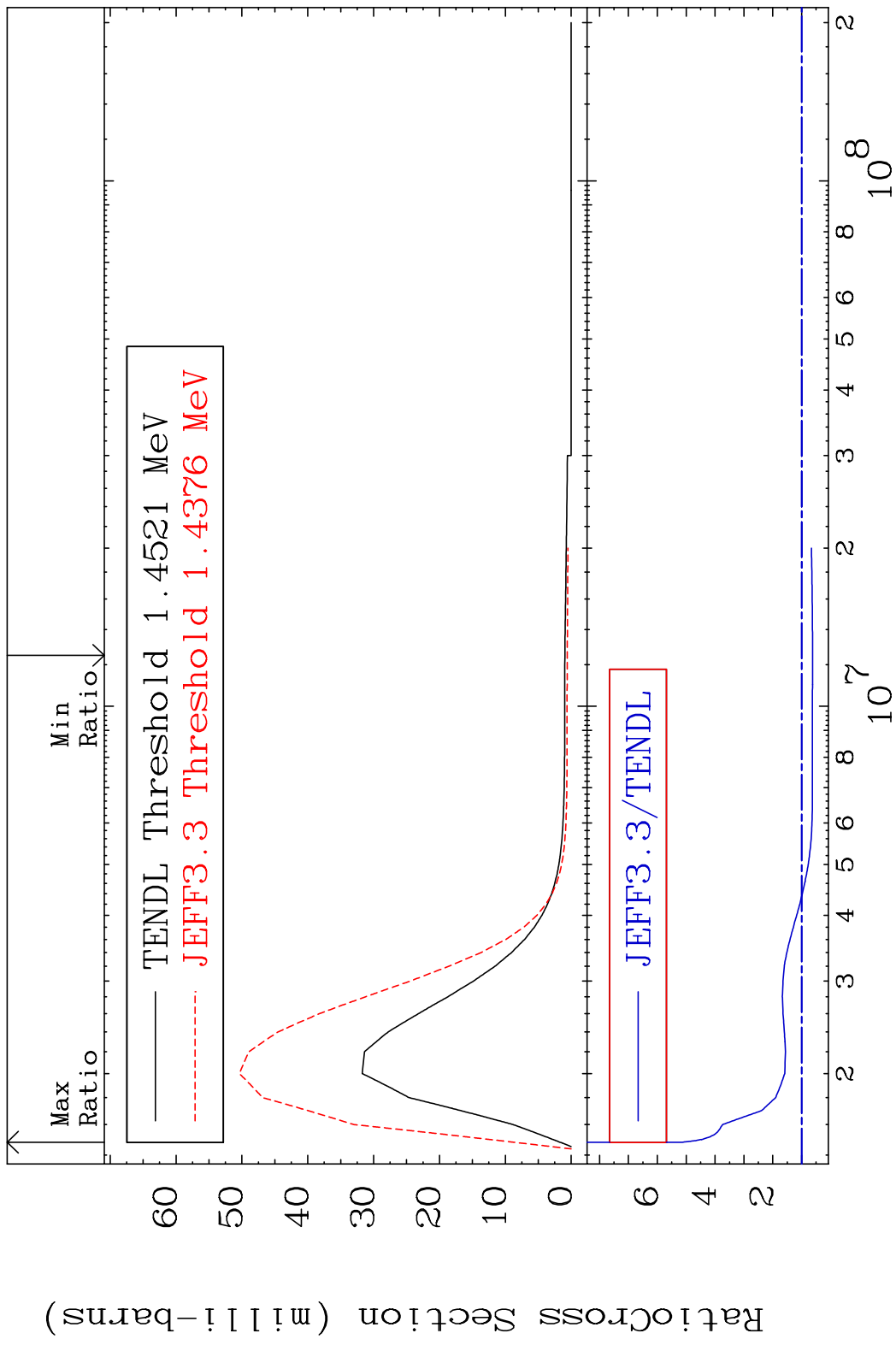
MAT 7243 MT= 72 (n, n') Level 72-Hf-180
 Cross Section -86.40 To -45.81%



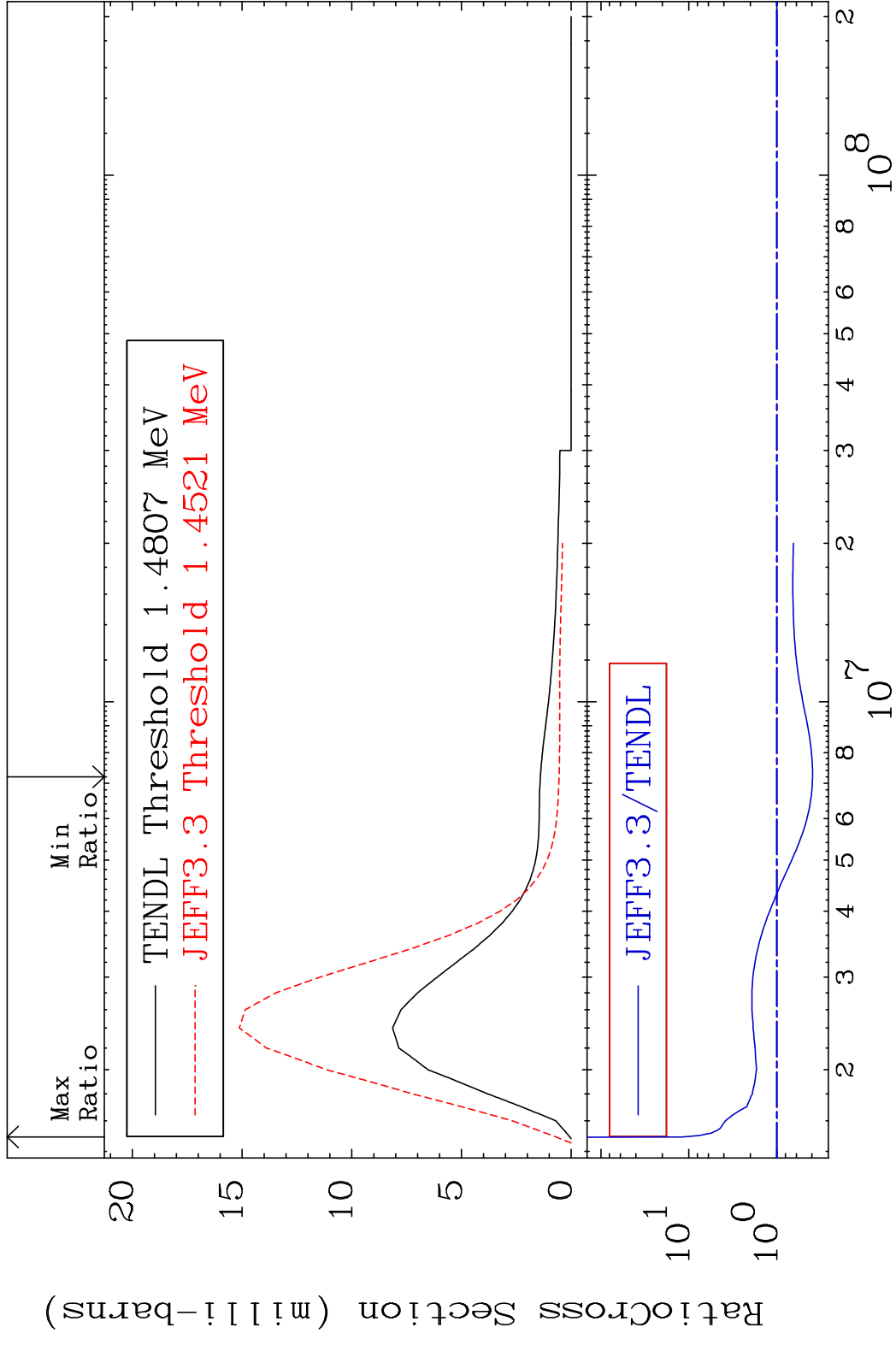
MAT 7243 MT= 73 (n,n') Level 72-Hf-180
 Cross Section -100.0 To -60.38%



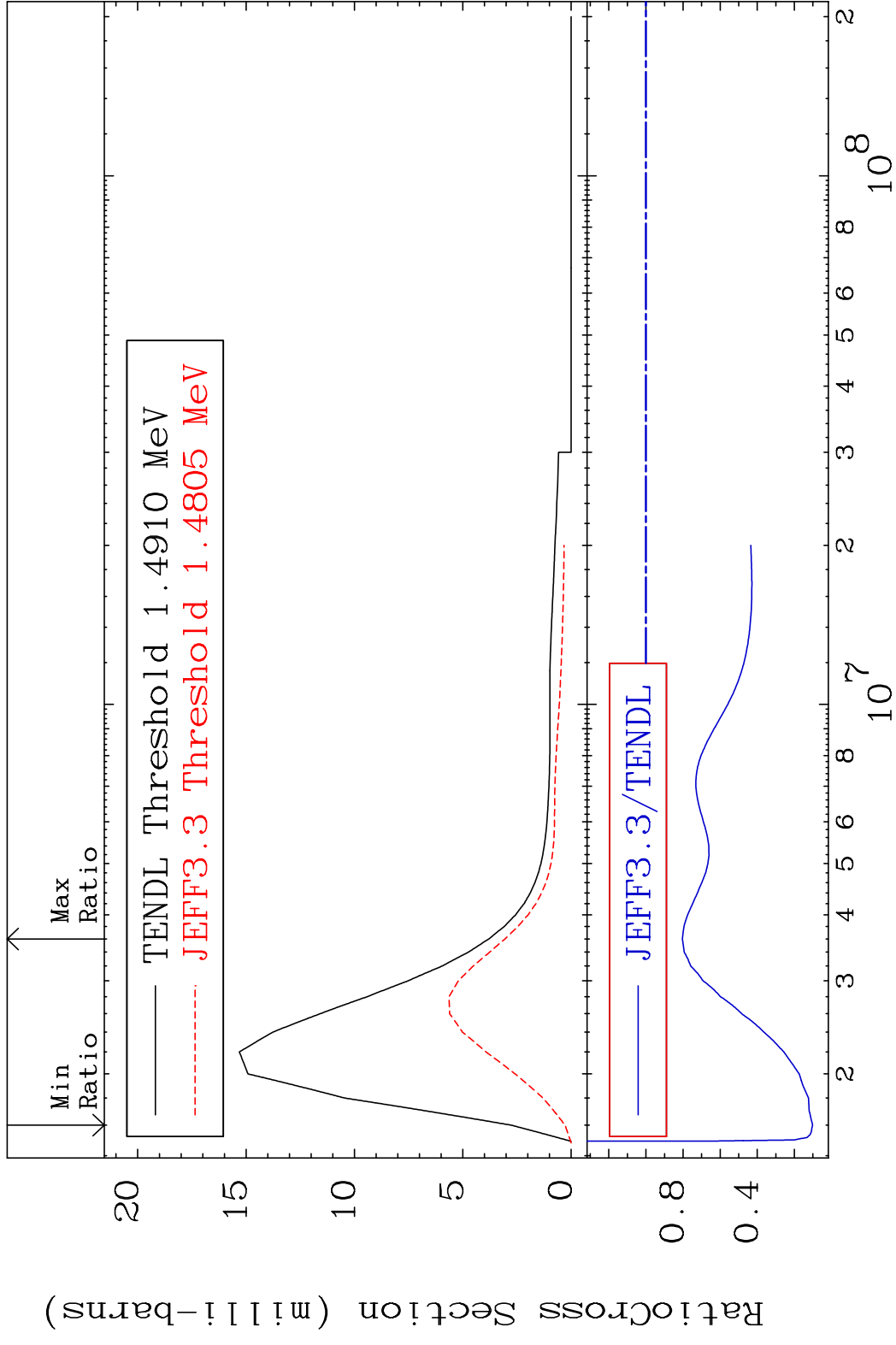
MAT 7243 MT= 74 (n, n') Level 72-Hf-180
 Cross Section -37.70 To 413.3 %



MAT 7243 MT= 75 (n,n') Level 72-Hf-180
 Cross Section -60.69 To 1086. %



MAT 7243 MT= 76 (n, n') Level 72-Hf-180
 Cross Section -89.80 To -19.63%

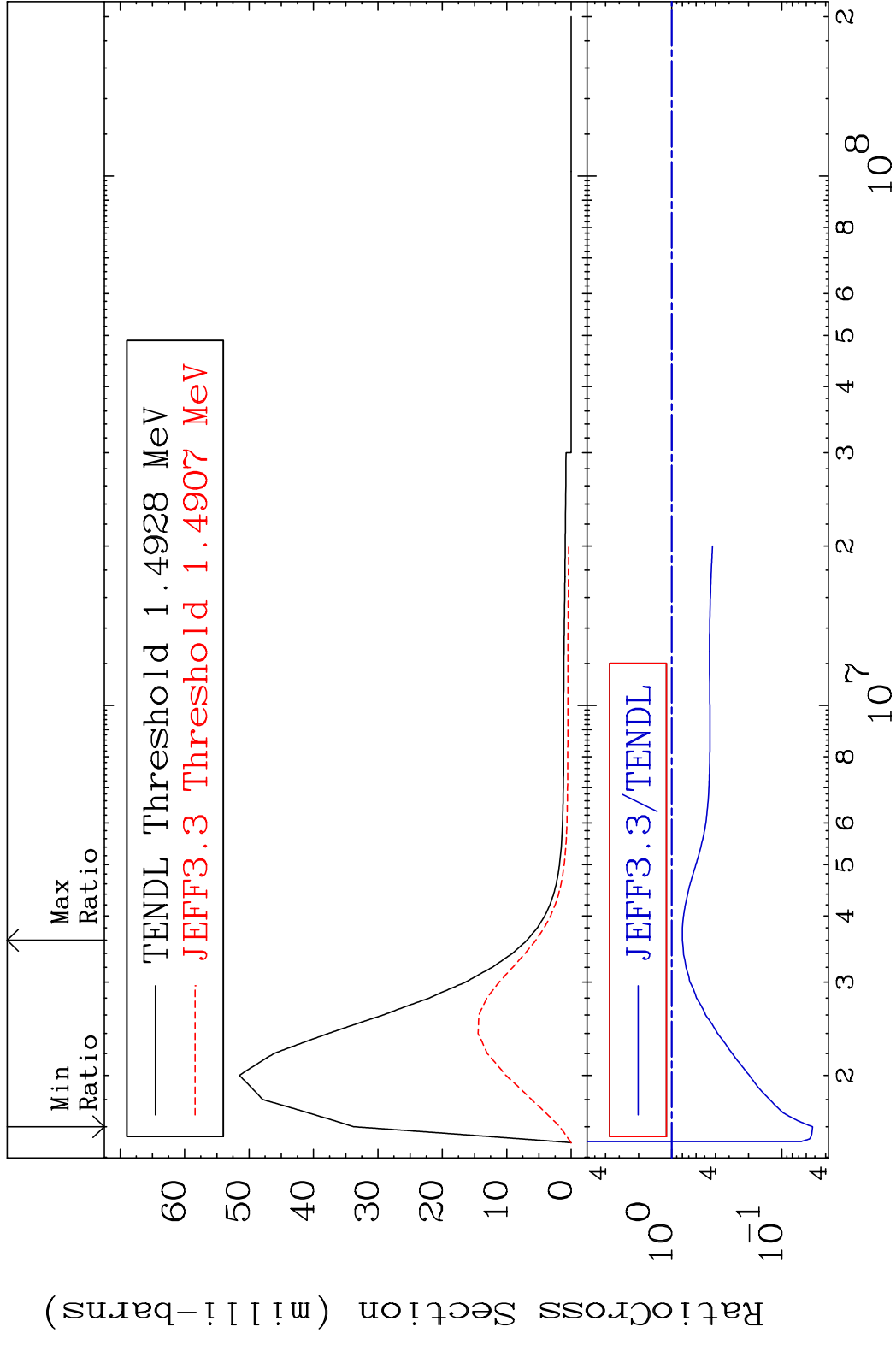


MAT 7243

MT= 77 (n, n') Level

72-Hf-180

Cross Section -94.75 To -19.97%

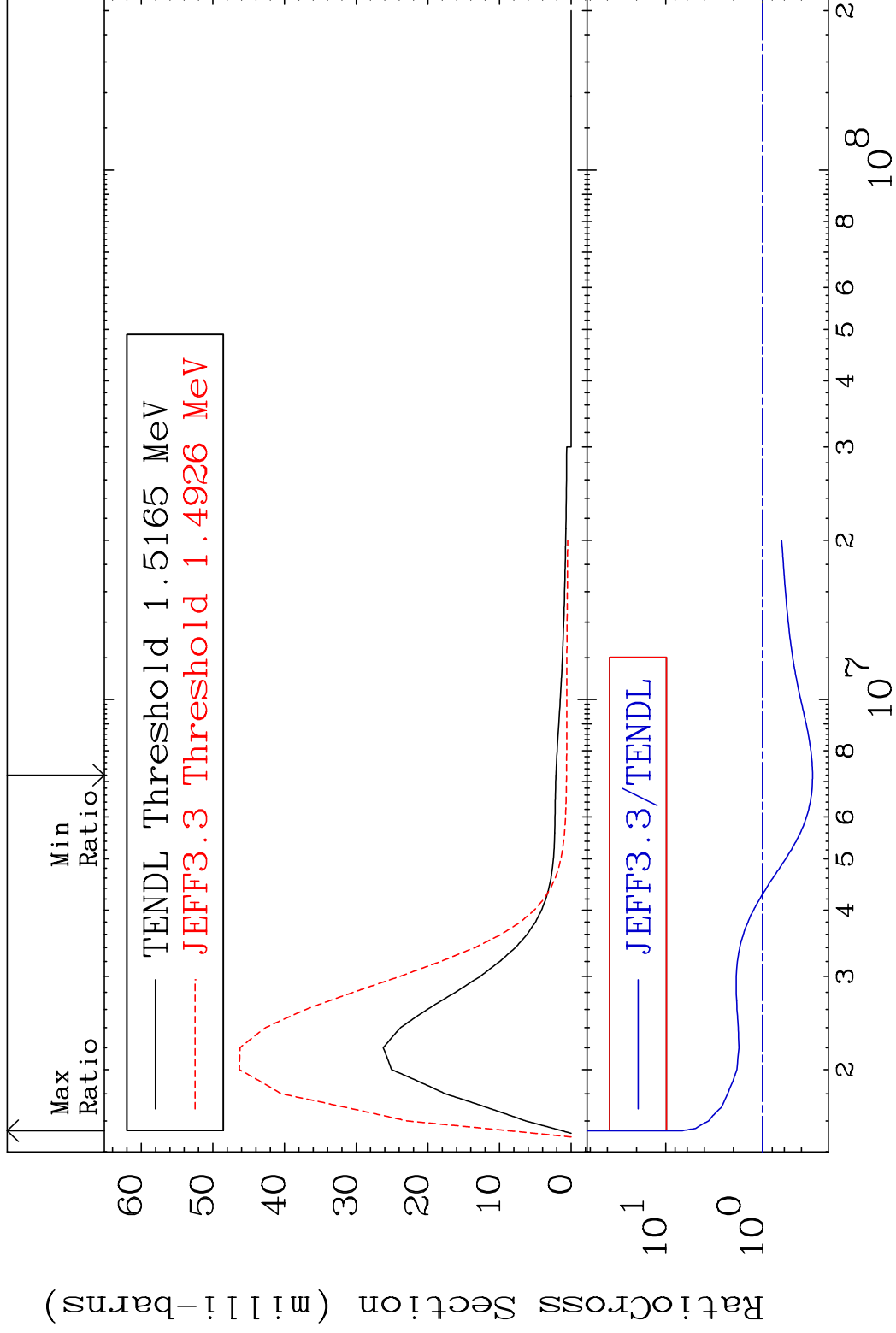


MAT 7243

MT= 78 (n, n') Level

72-Hf-180

Cross Section -69.33 To 574.3 %

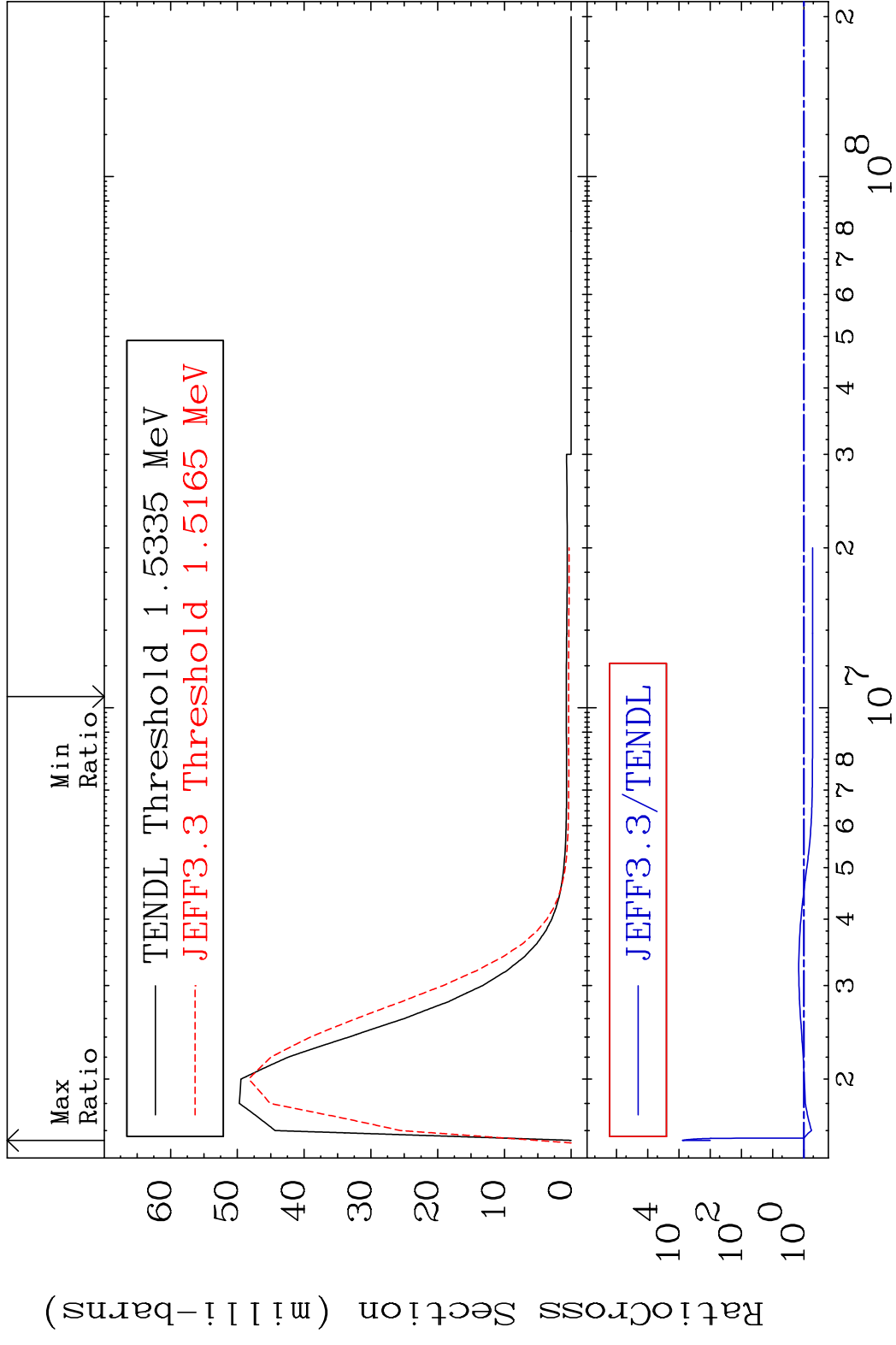


40

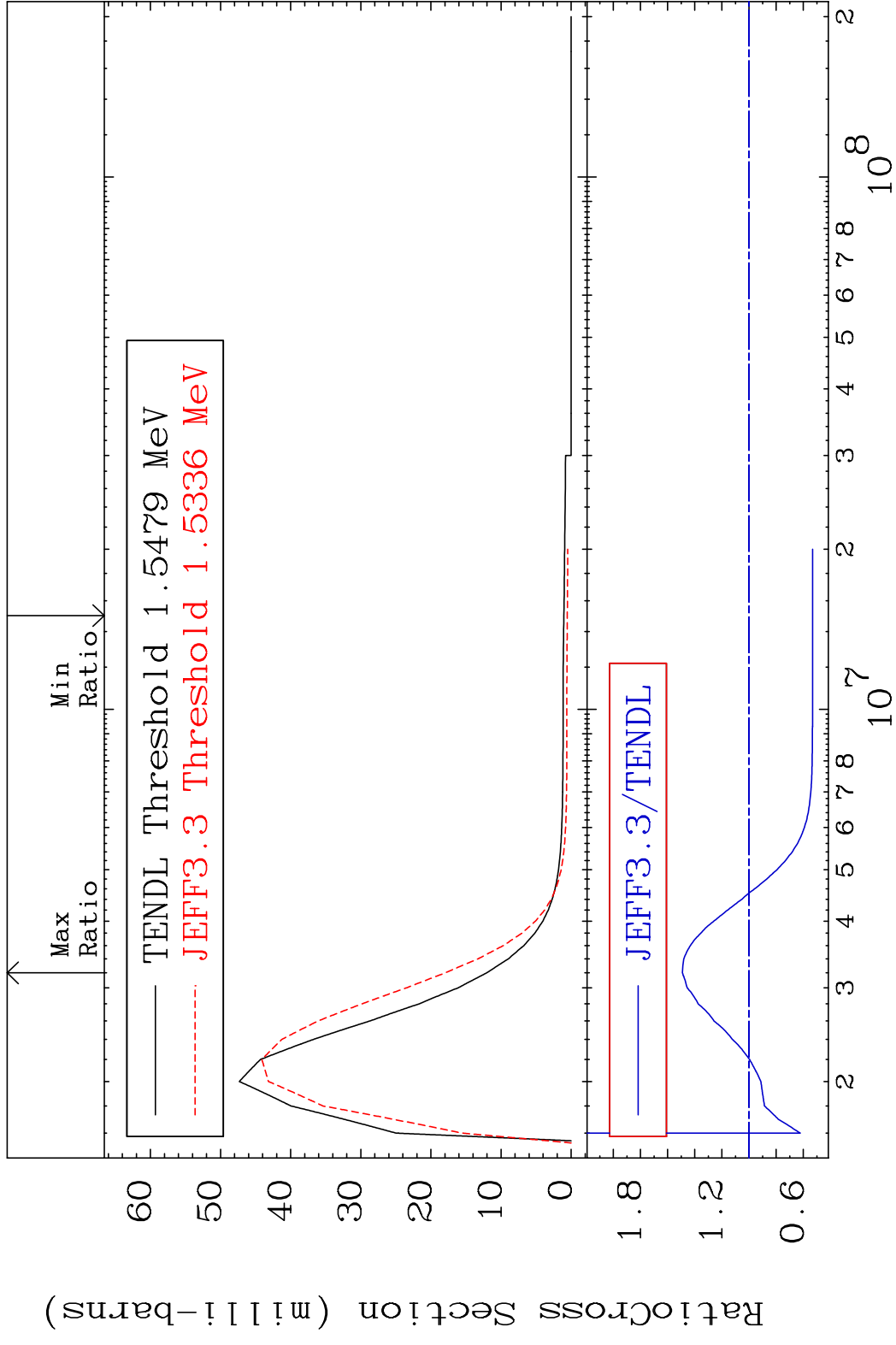
Incident Energy (eV)

72-Hf-180

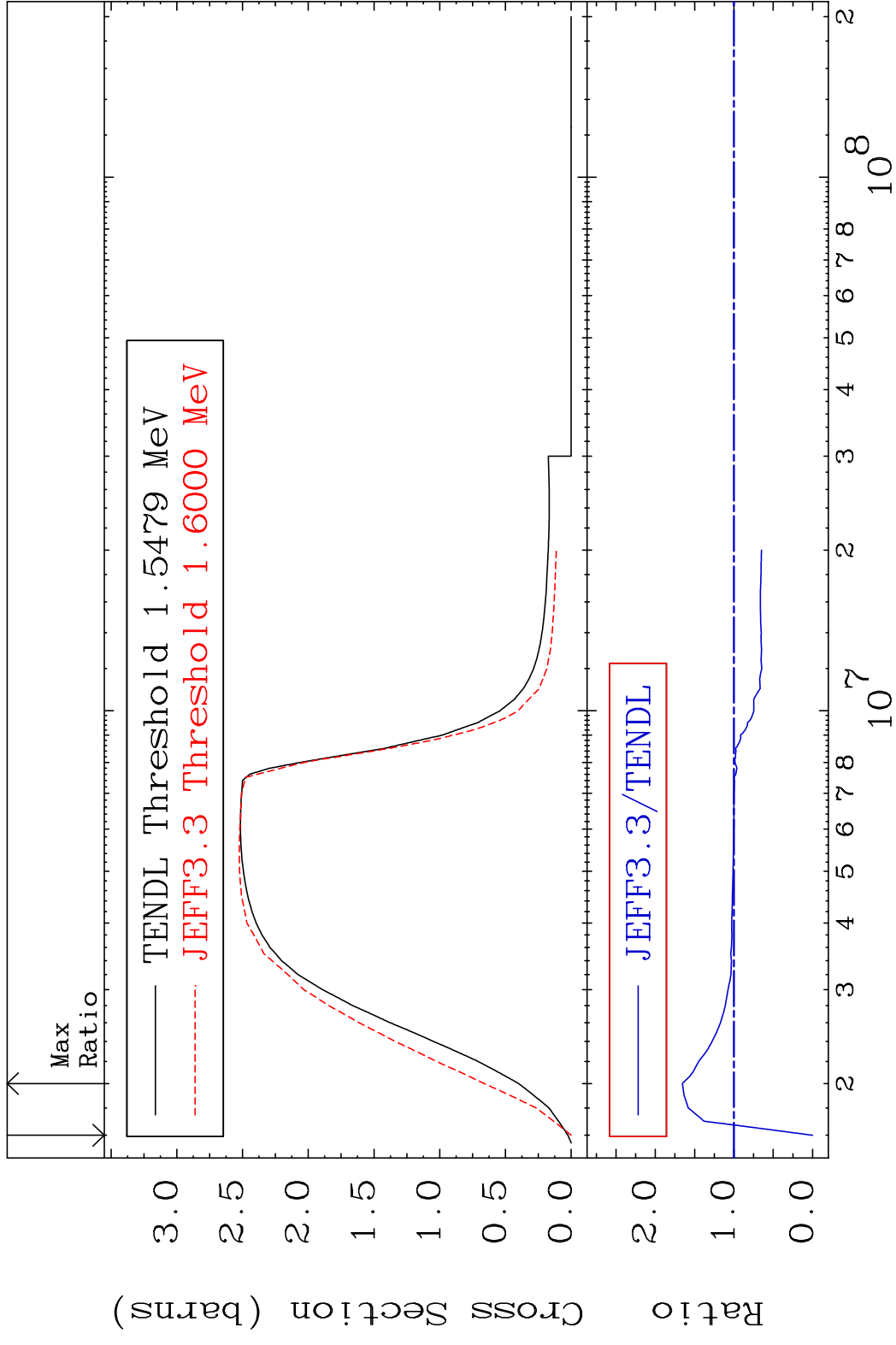
MAT 7243 MT= 79 (n, n') Level 72-Hf-180
 Cross Section -46.93 To 9999. %



MAT 7243 MT= 80 (n, n') Level 72-Hf-180
 Cross Section -46.84 To 49.12 %

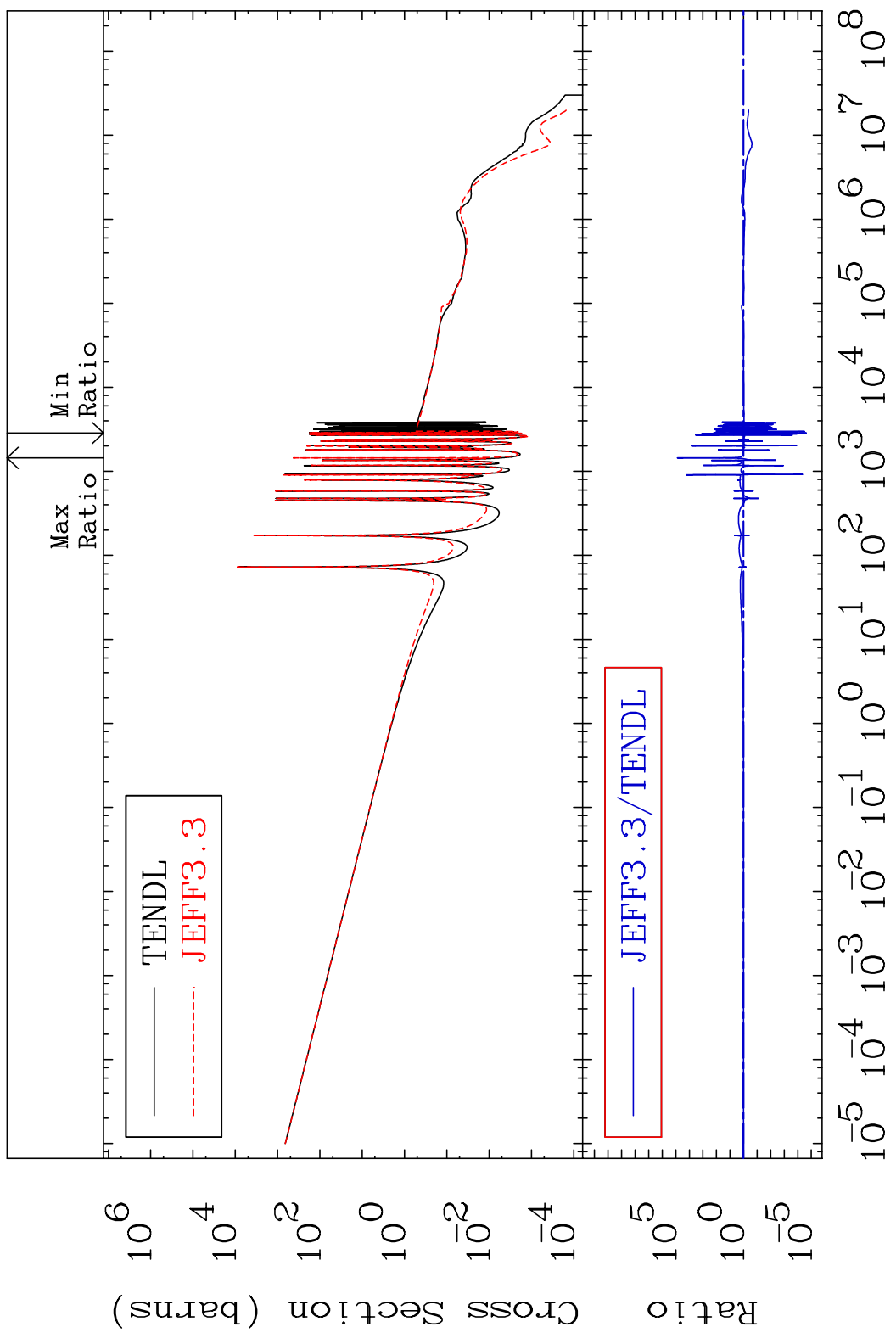


MAT 7243 (n, n') Continuum 72-Hf-180
 Cross Section -100.0 To 65.59 %



MAT 7243

(n, γ)
Cross Section -100.0 To 9999. %
72-Hf-180

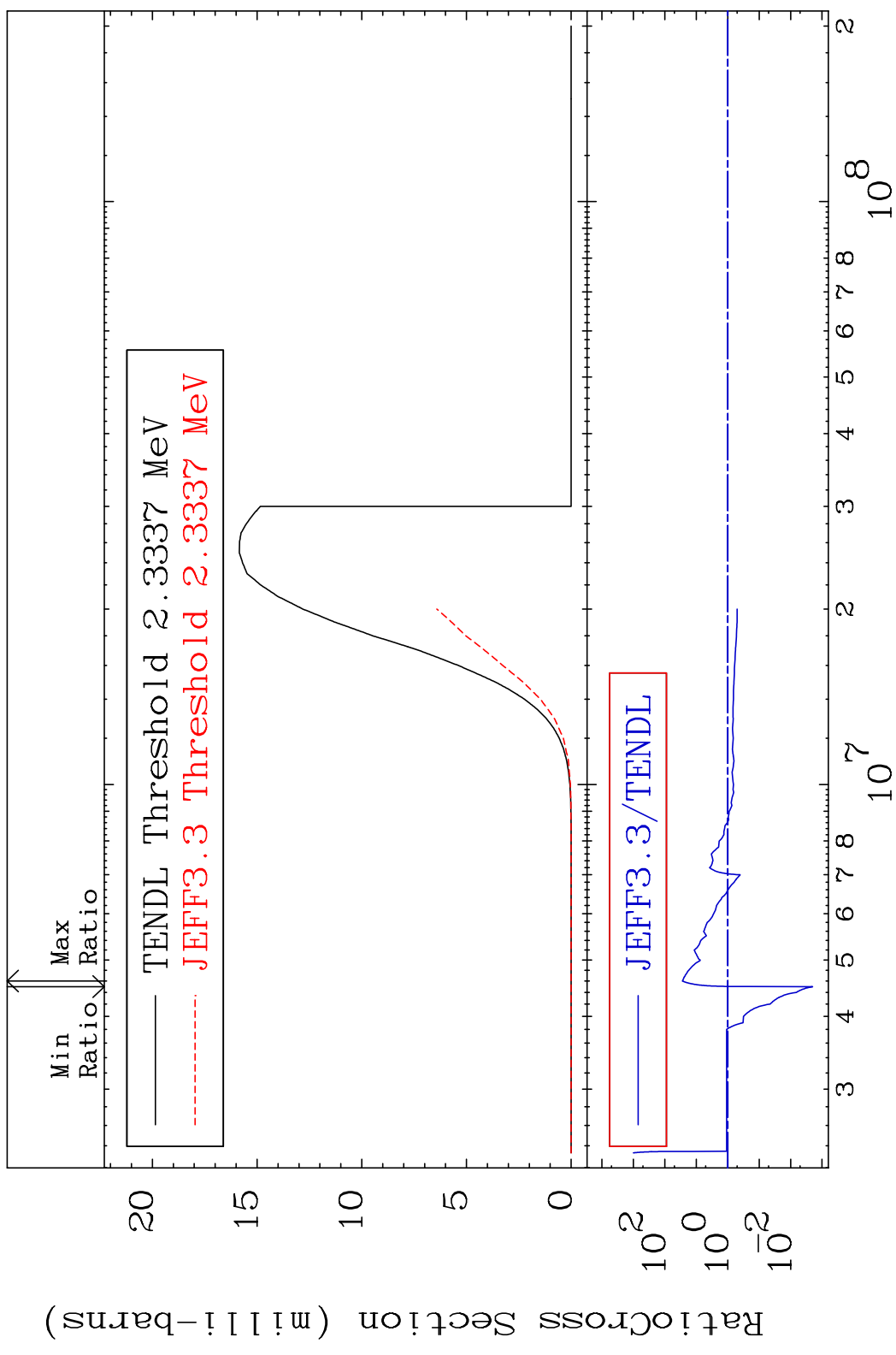


MAT 7243

(n,p)

72-Hf-180

Cross Section -99.80 To 2675. %

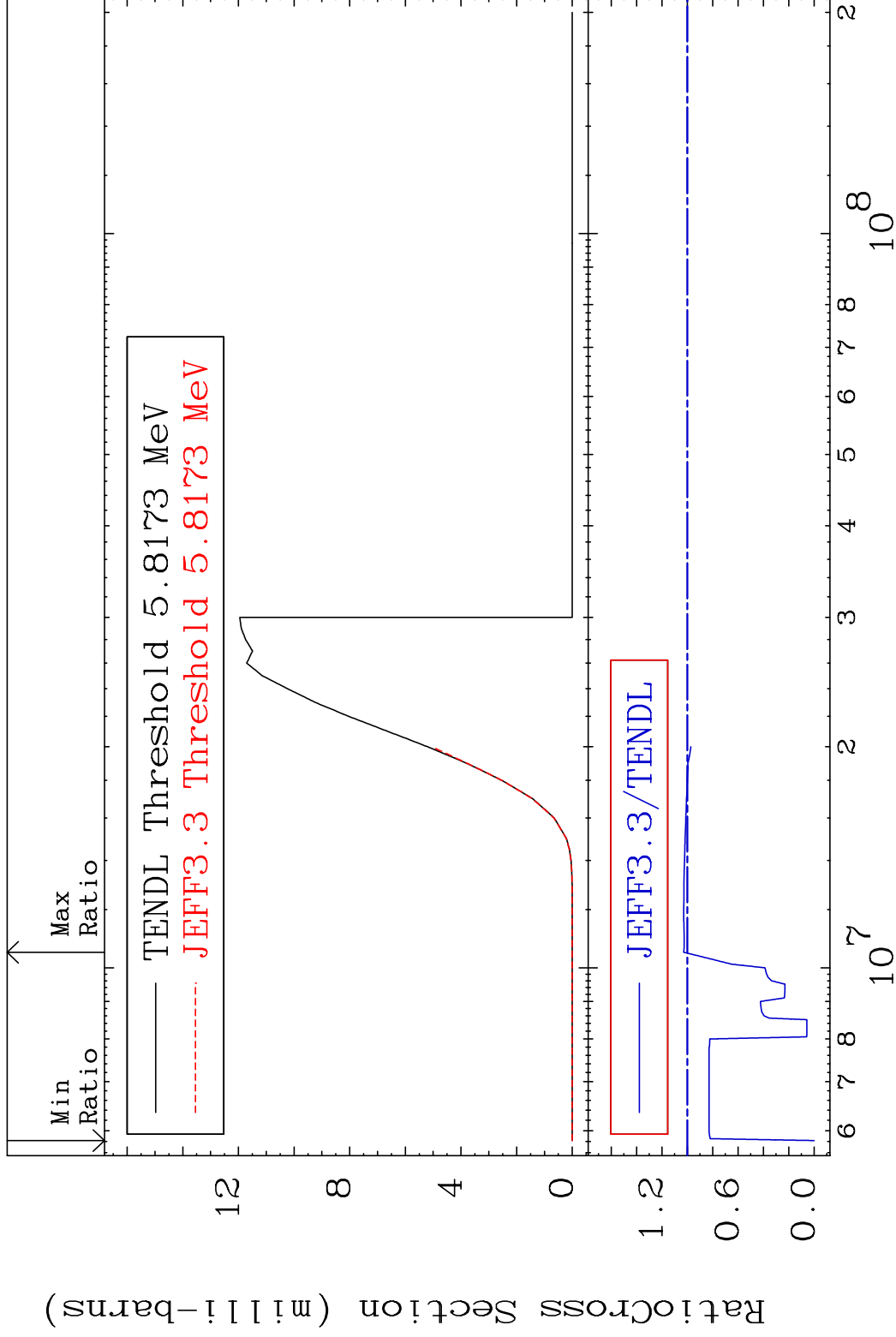


MAT 7243

(n,d)

72-Hf-180

Cross Section -100.0 To 2.869 %

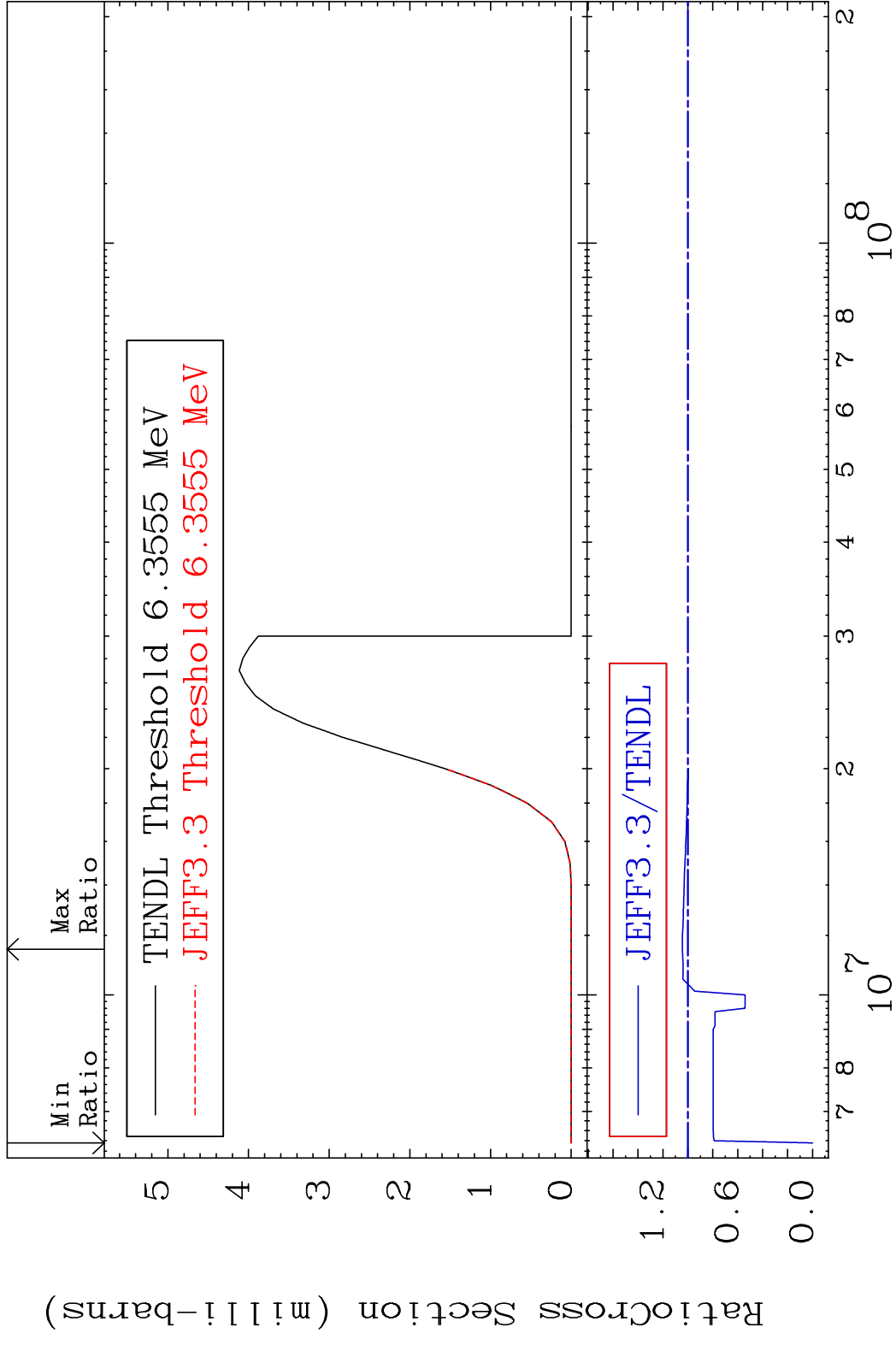


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Incident Energy (eV)

72-Hf-180

MAT 7243 (n, t) 72-Hf-180
 Cross Section -100.0 To 4.440 %

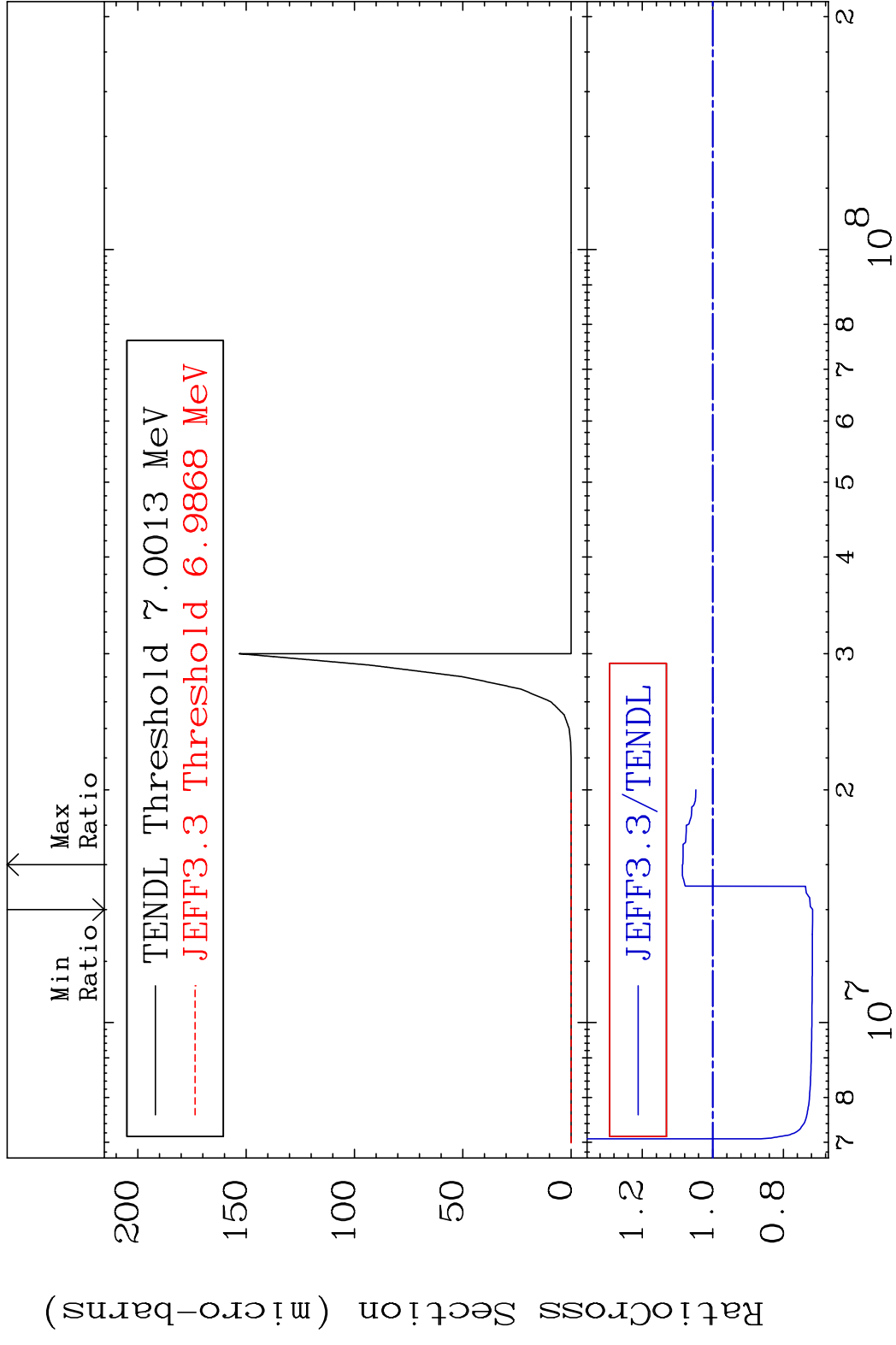


MAT 7243

(n, He-3)

72-Hf-180

Cross Section -28.29 To 8.632 %



48

Incident Energy (eV)

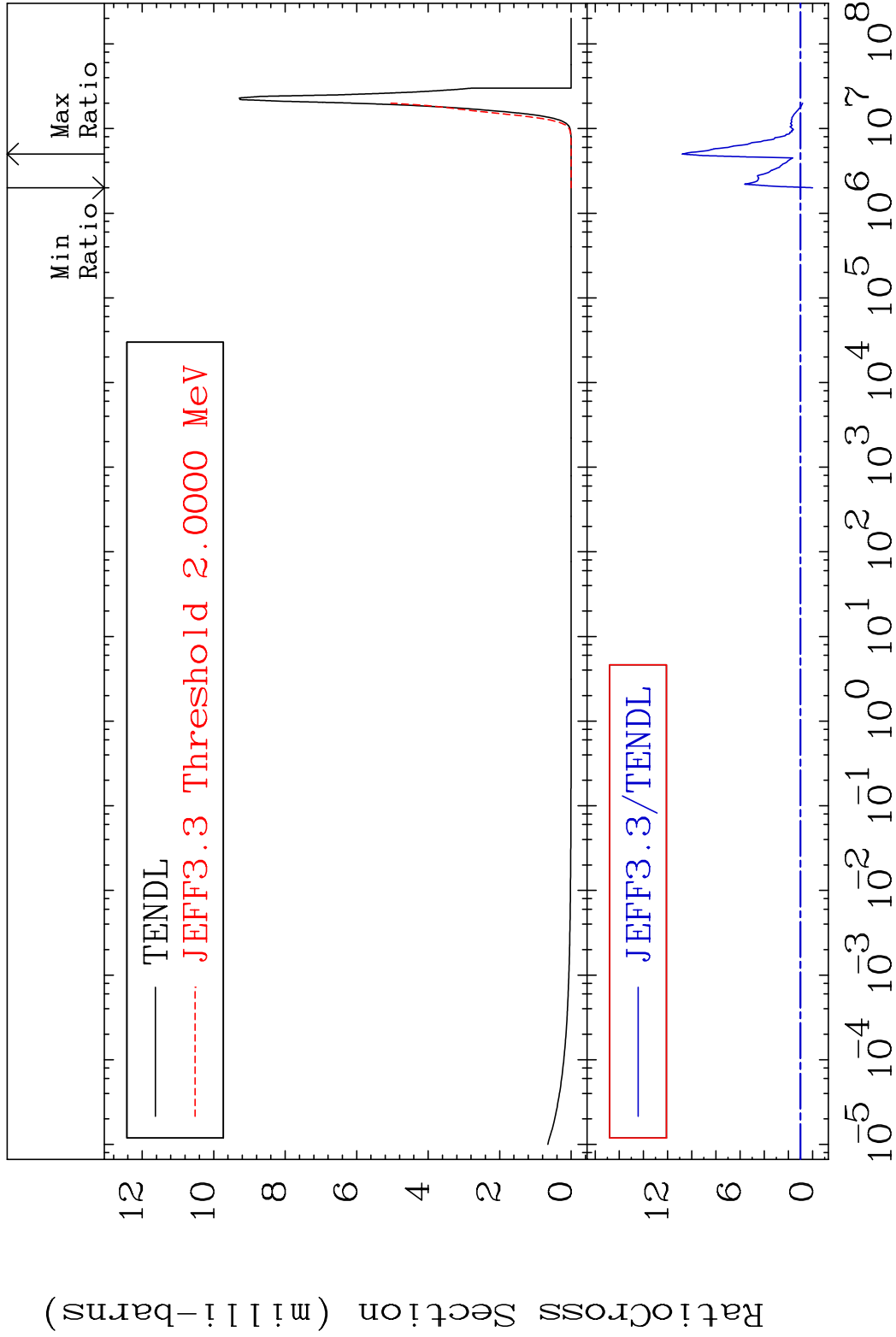
72-Hf-180

MAT 7243

(n, α)

72-Hf-180

Cross Section -100.0 To 978.1 %



49

Incident Energy (eV)

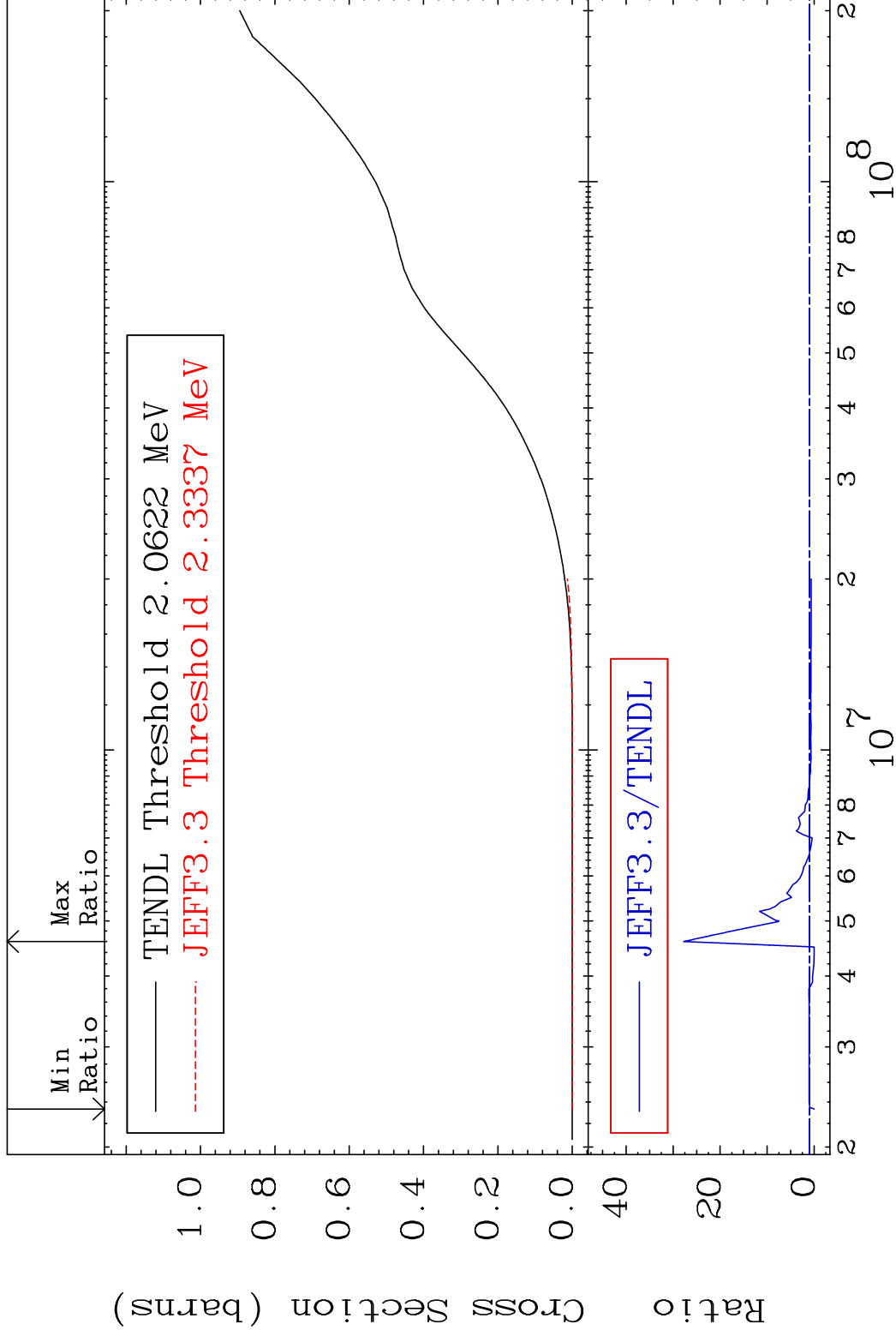
72-Hf-180

MAT 7243

Hydrogen Production

72-Hf-180

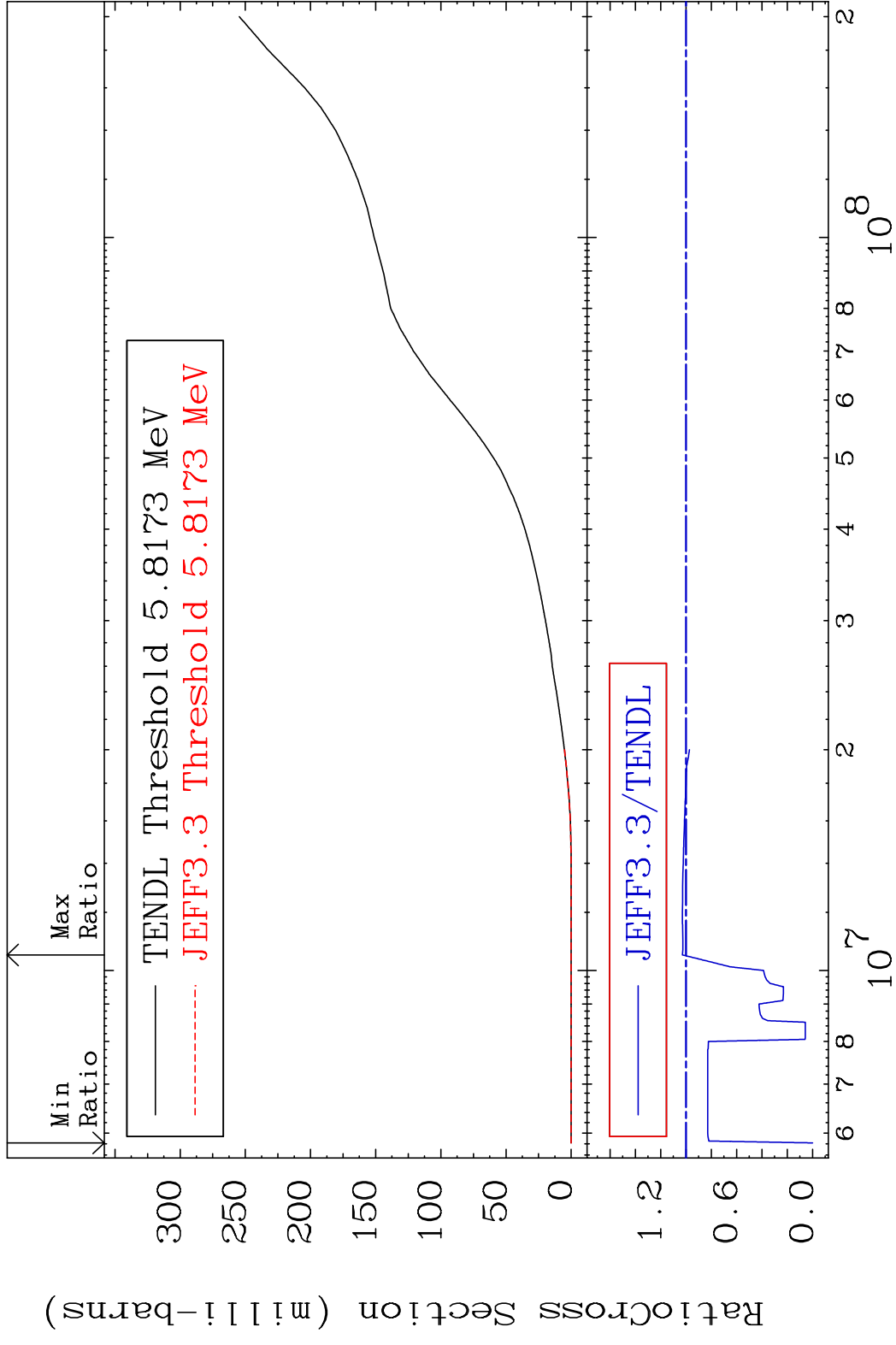
Cross Section -100.0 To 2675. %

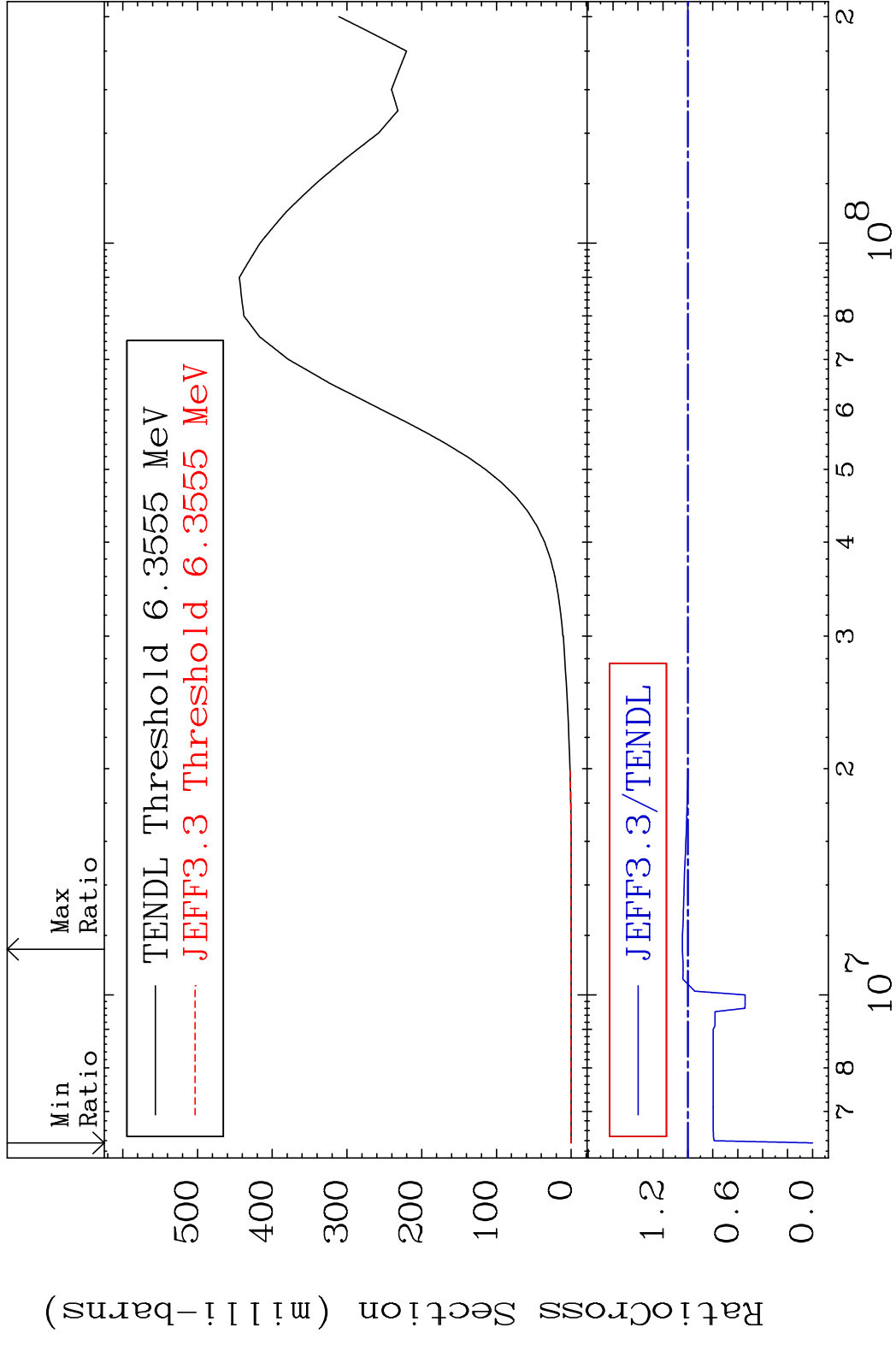


50

Incident Energy (eV)

72-Hf-180



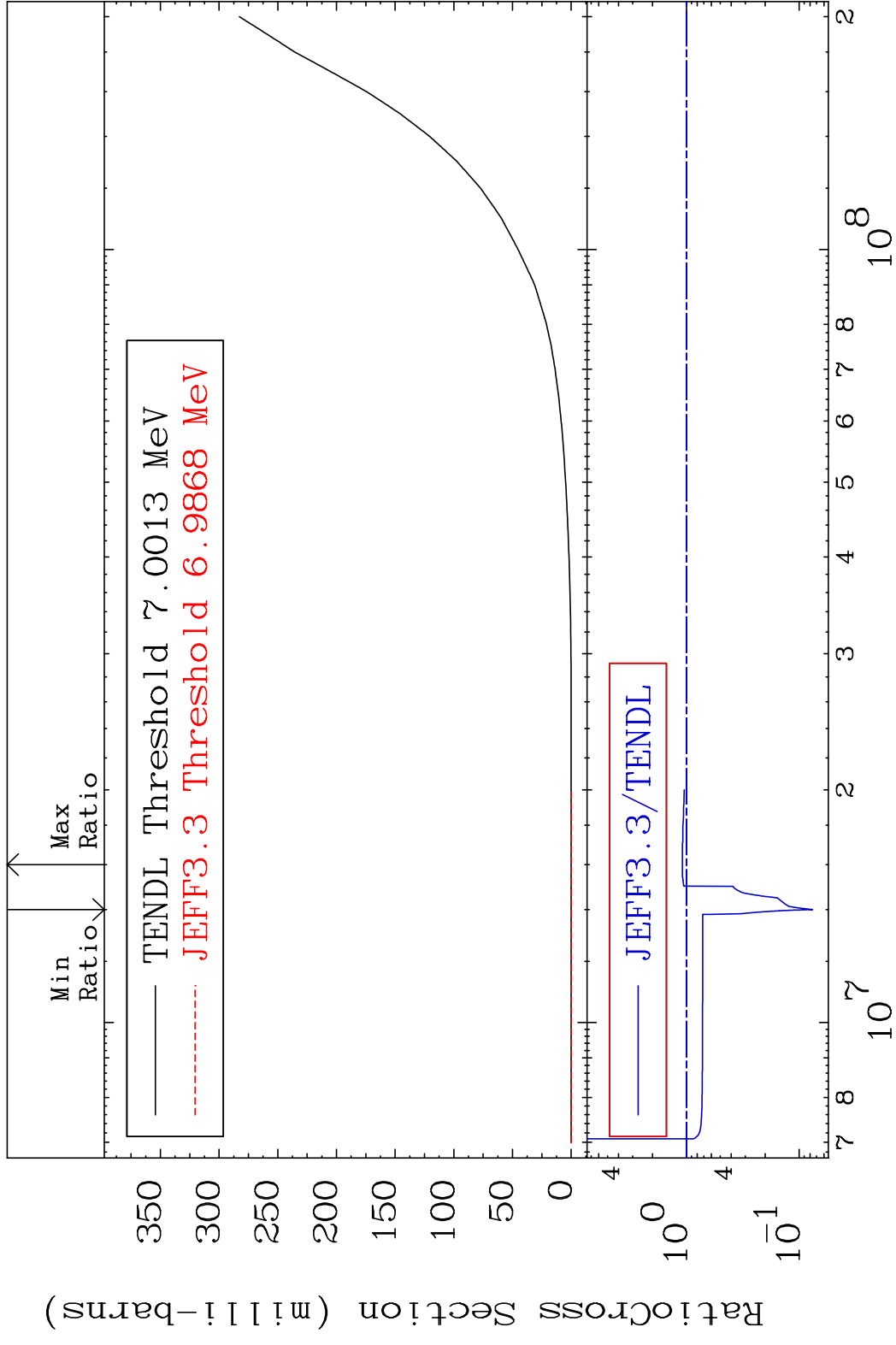


MAT 7243

He-3 Production

72-Hf-180

Cross Section -92.41 To 8.590 %

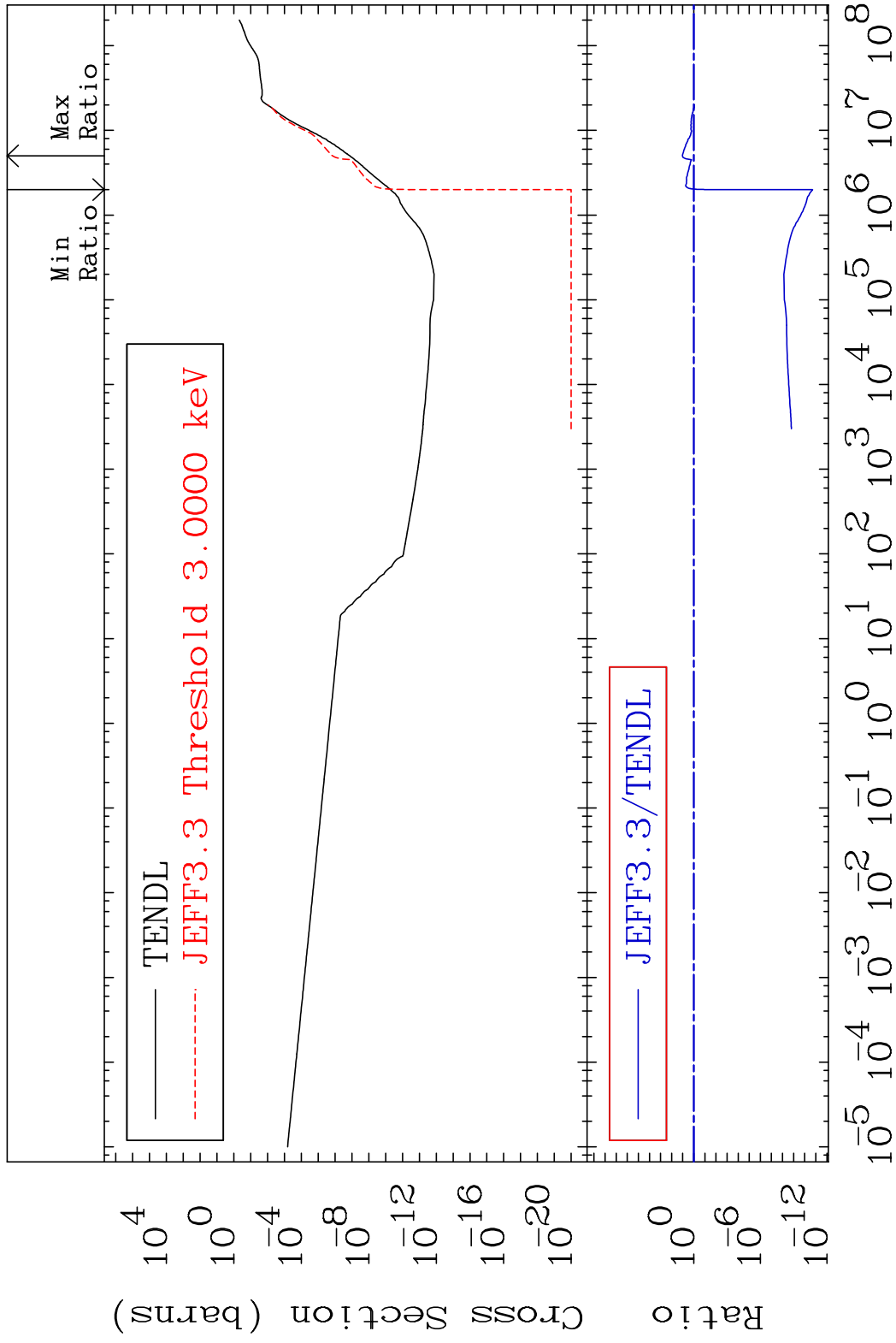


MAT 7243

He-4 Production

72-Hf-180

Cross Section -100.0 To 978.5 %

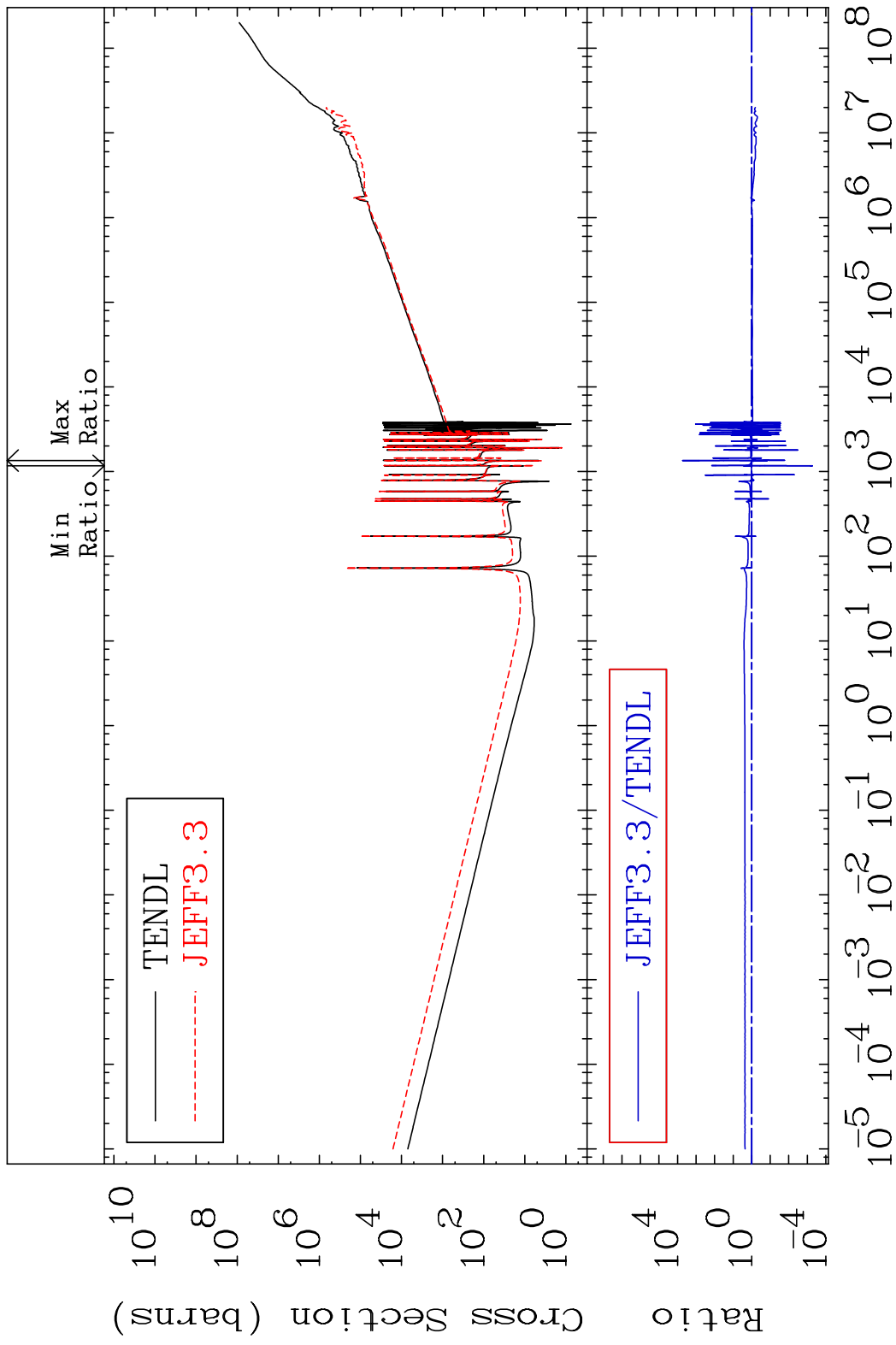


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Incident Energy (eV)

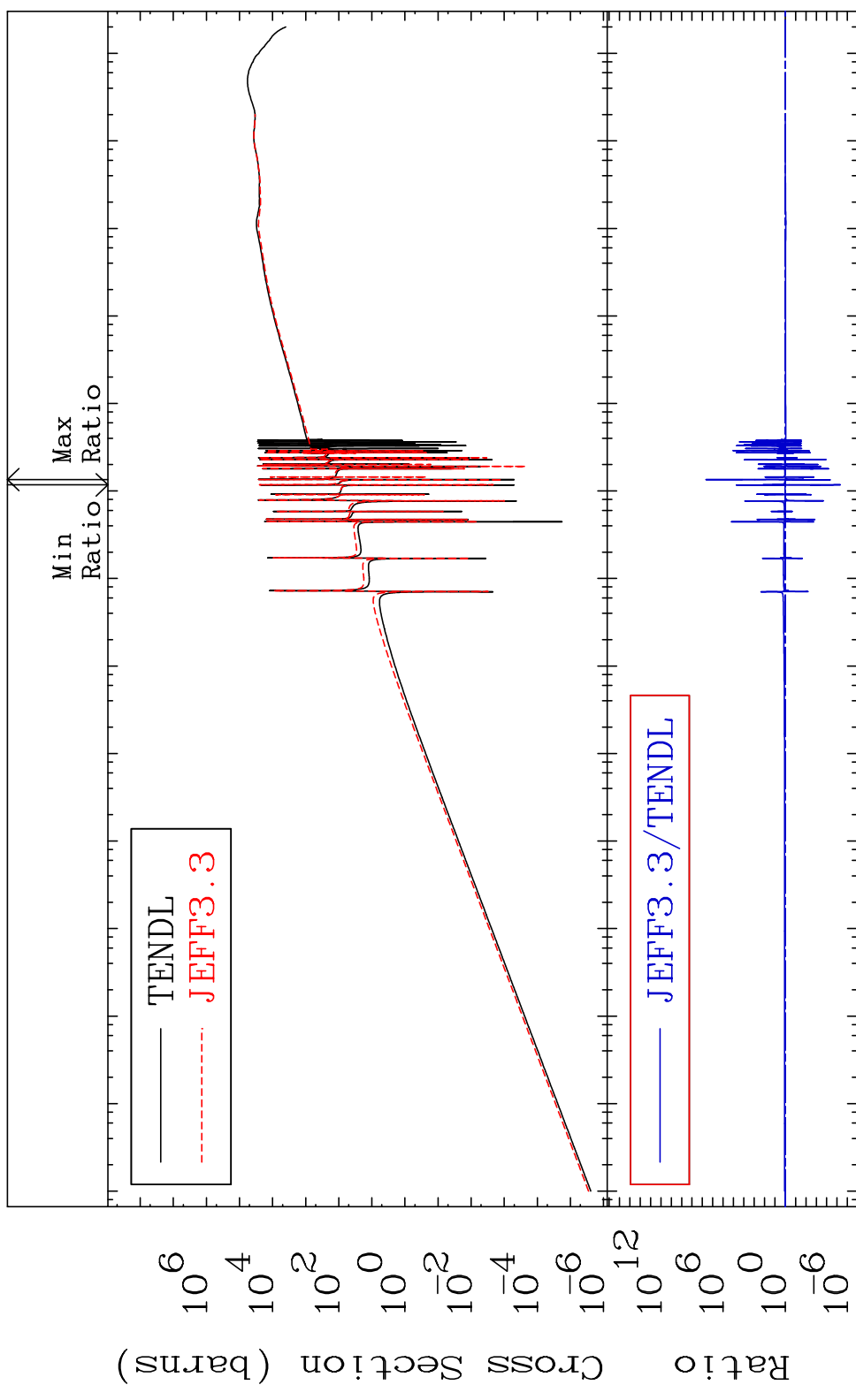
72-Hf-180

MAT 7243 Kerma total (eV-barns) 72-Hf-180
 Cross Section -99.95 To 9999. %

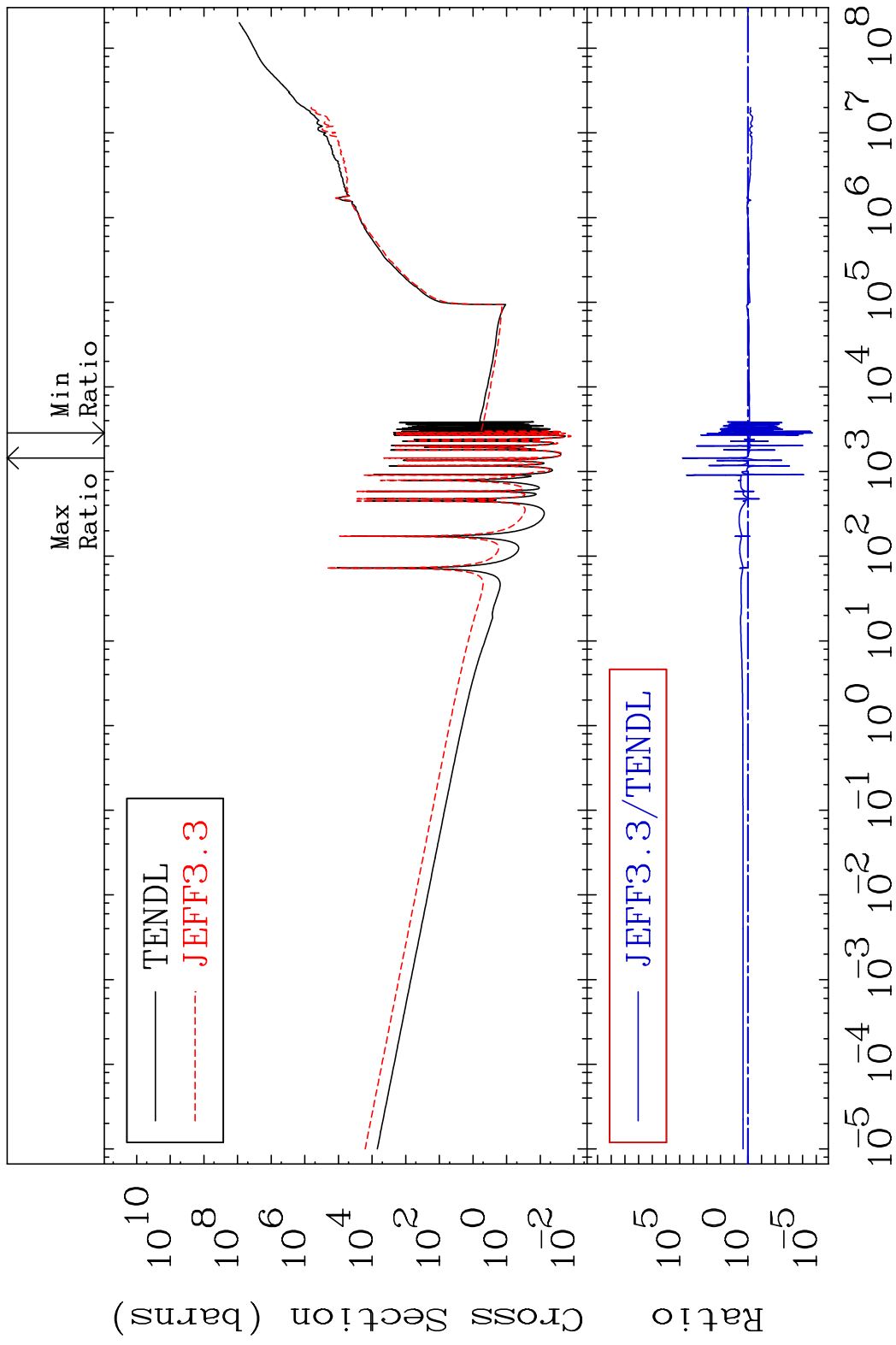


MAT 7243

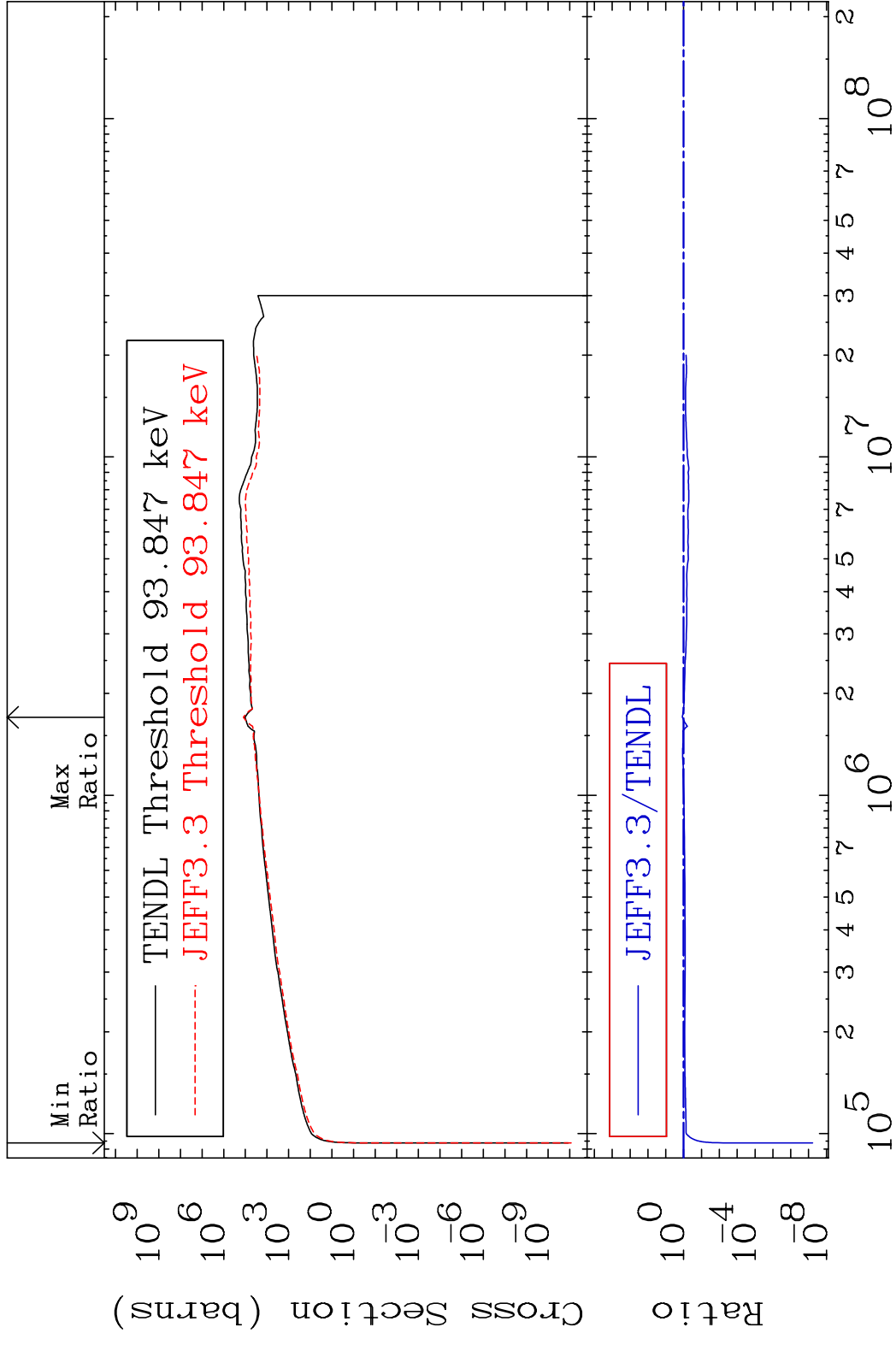
Kerma elastic Cross Section -100.0 To 9999. %
72-Hf-180



MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180
 Cross Section -100.0 To 9999. %

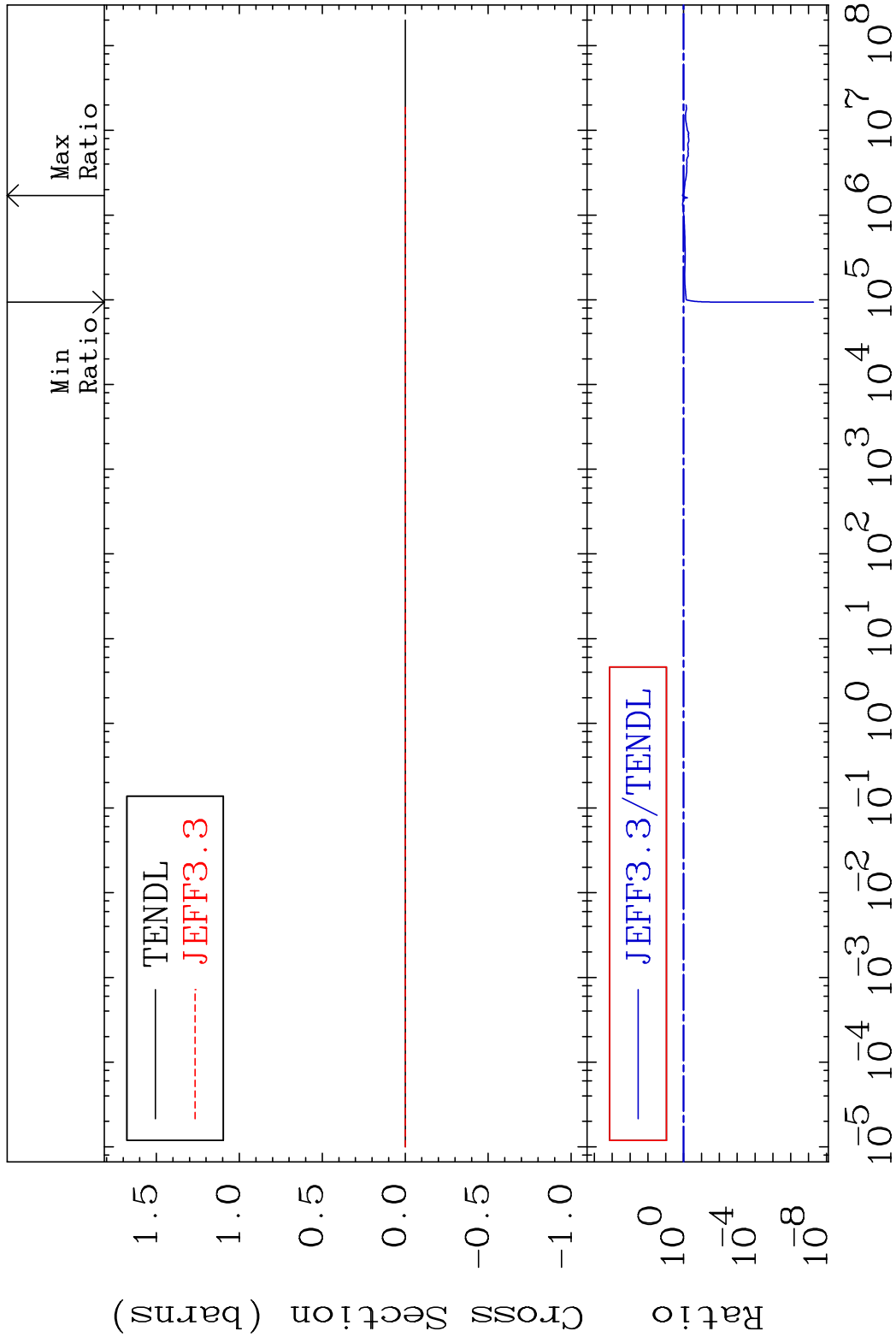


MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180
 Cross Section -100.0 To 17.97 %



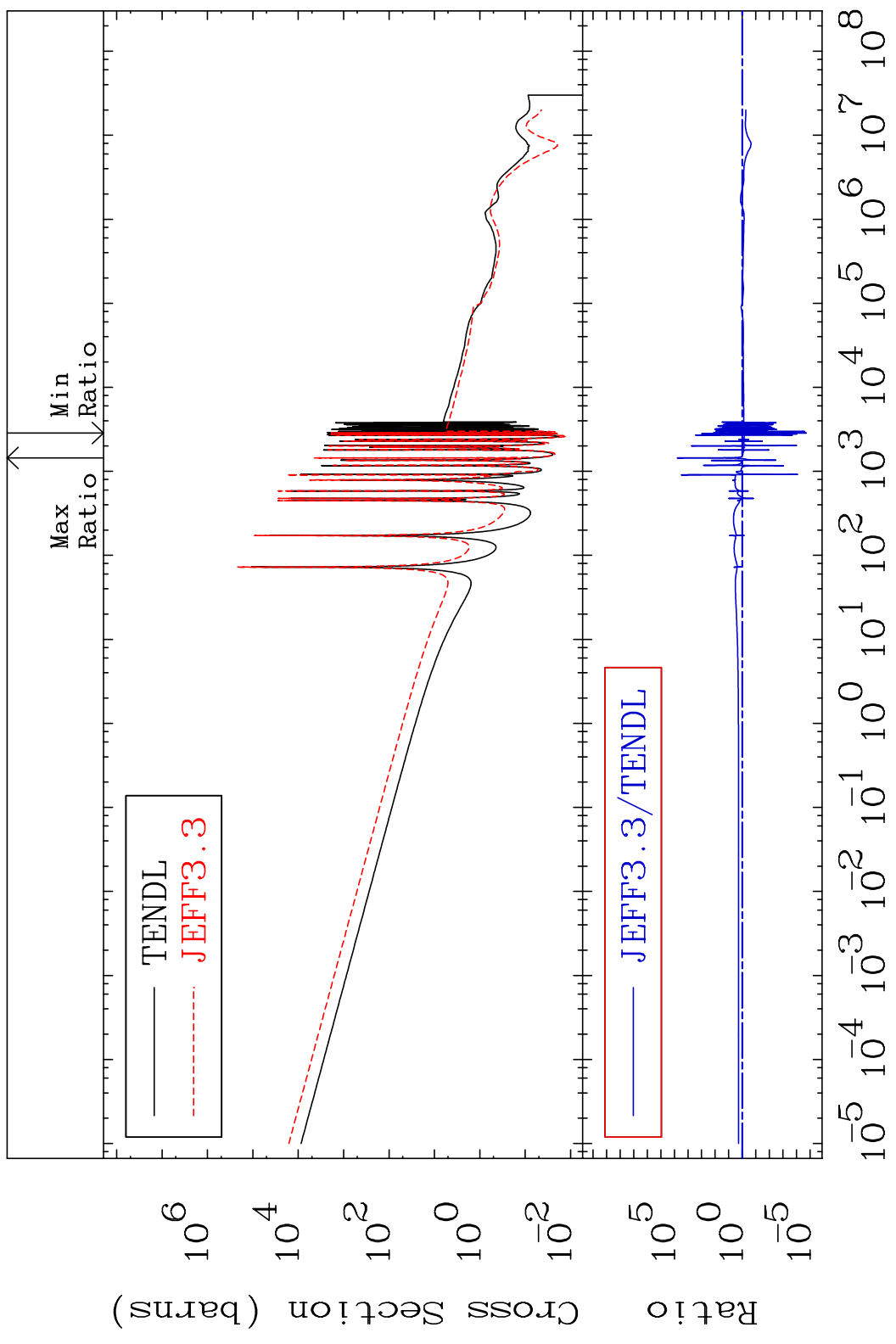
58 Incident Energy (eV) 72-Hf-180

MAT 7243 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-180
 Cross Section -100.0 To 17.97 %



MAT 7243

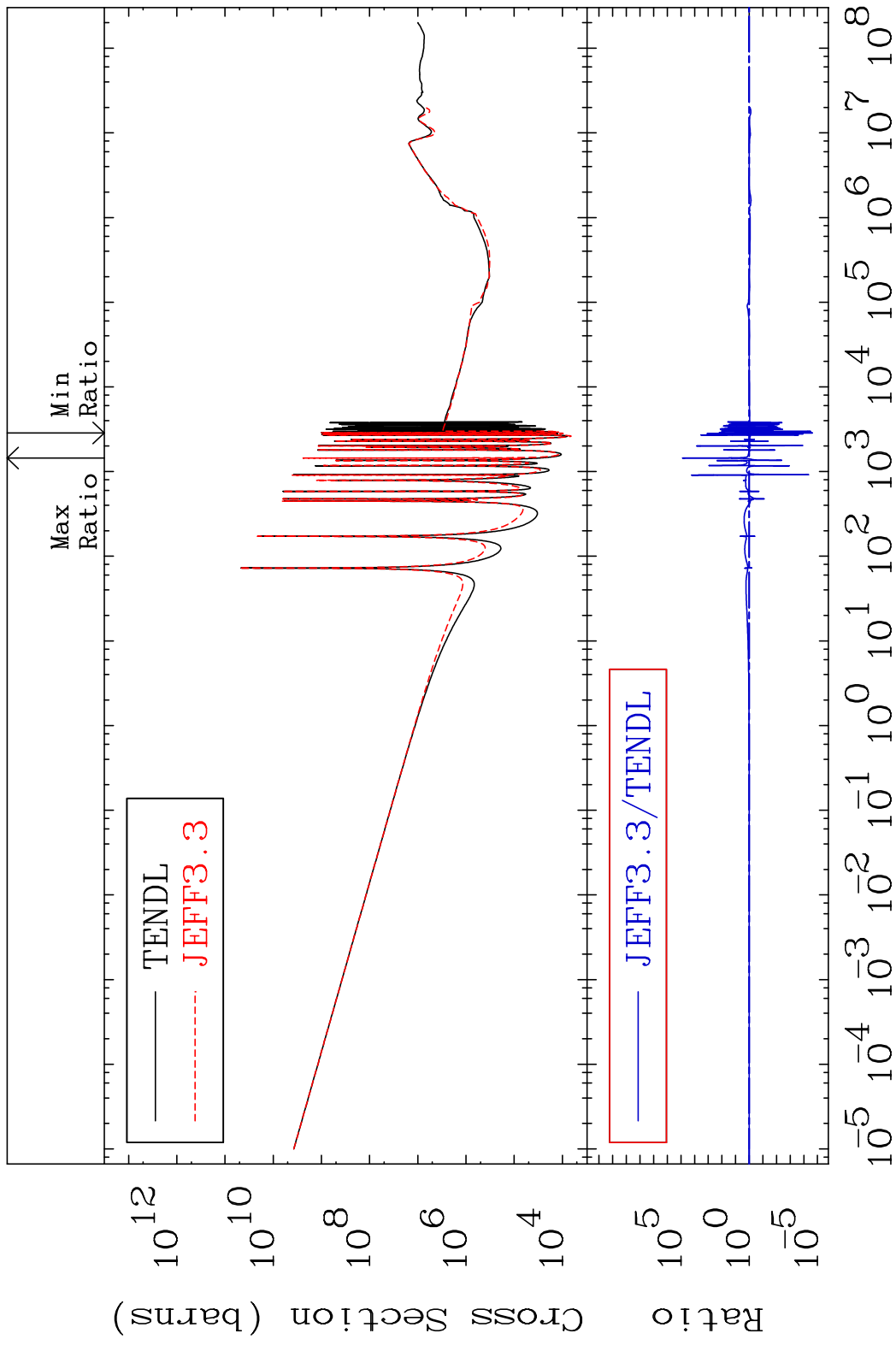
Kerma capture (mt102) 72-Hf-180
Cross Section -100.0 To 9999. %



60

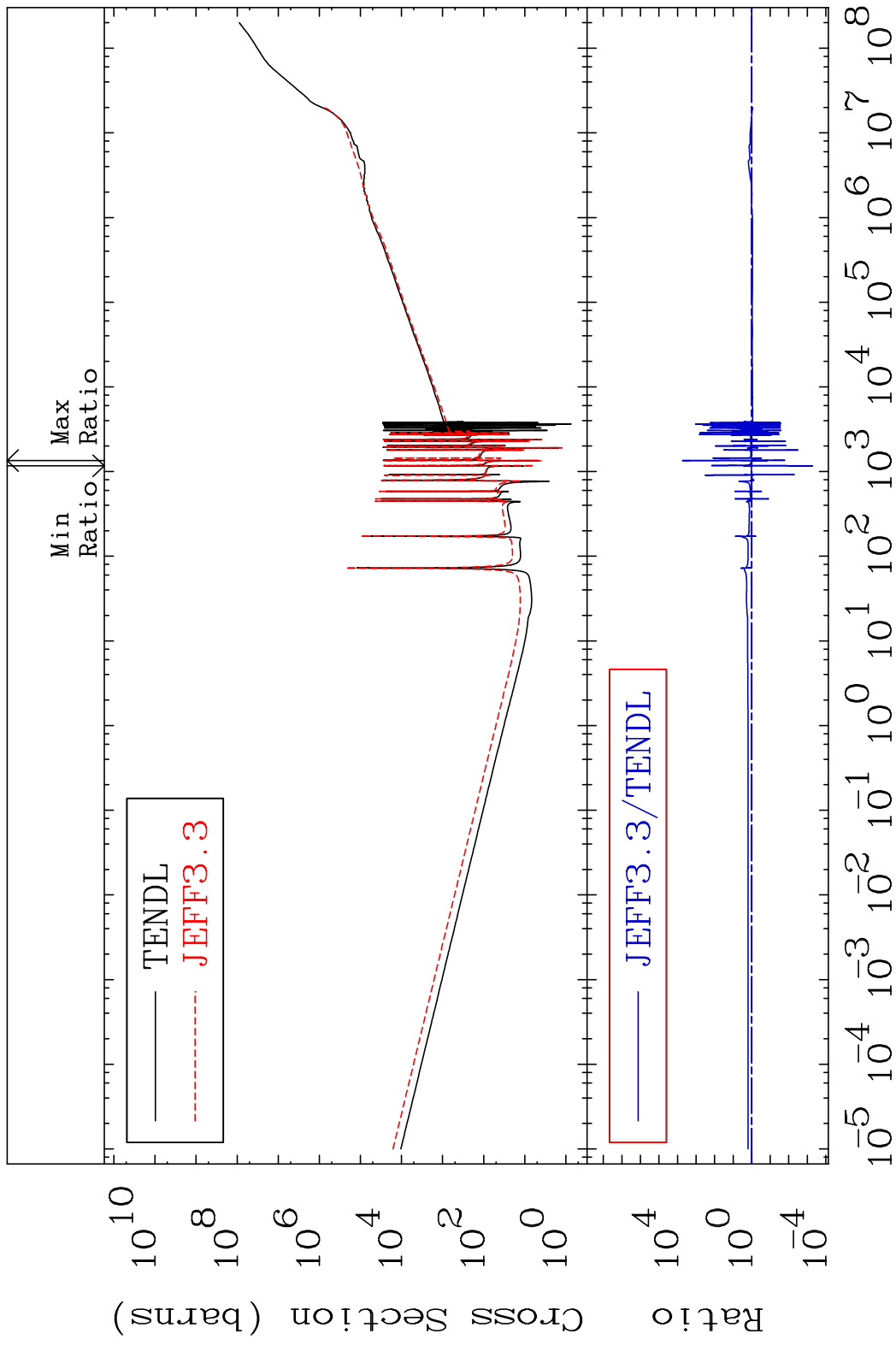
Incident Energy (eV) 72-Hf-180

MAT 7243 Total photon (eV-barns) 72-Hf-180
 Cross Section -100.0 To 9999. %

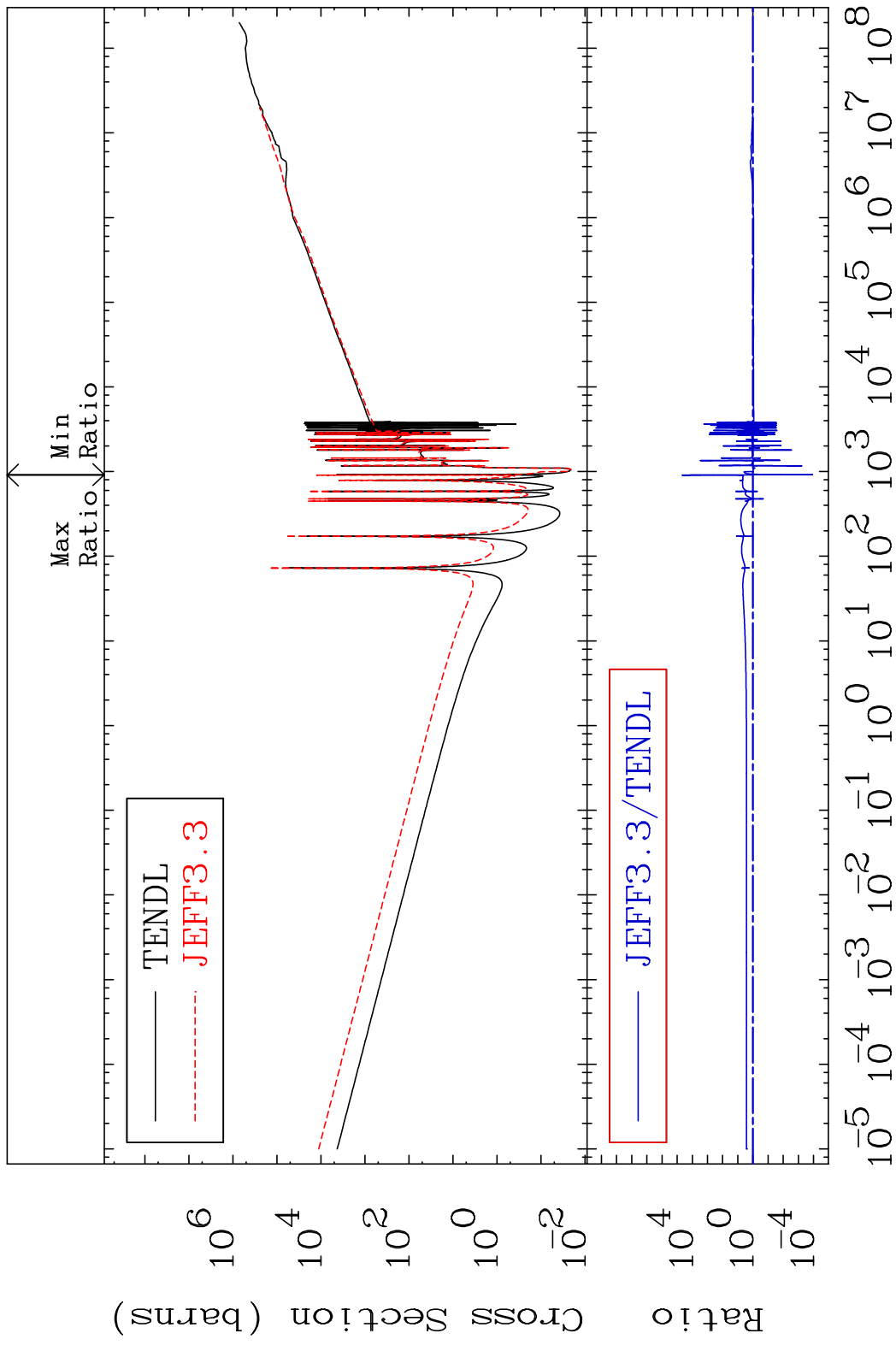


61 Incident Energy (eV) 72-Hf-180

MAT 7243 Total kinematic kerma (high limit) 72-Hf-180
 Cross Section -99.95 To 9999. %



MAT 7243 Dpa total (eV-barns) 72-Hf-180
 Cross Section -99.99 To 9999. %



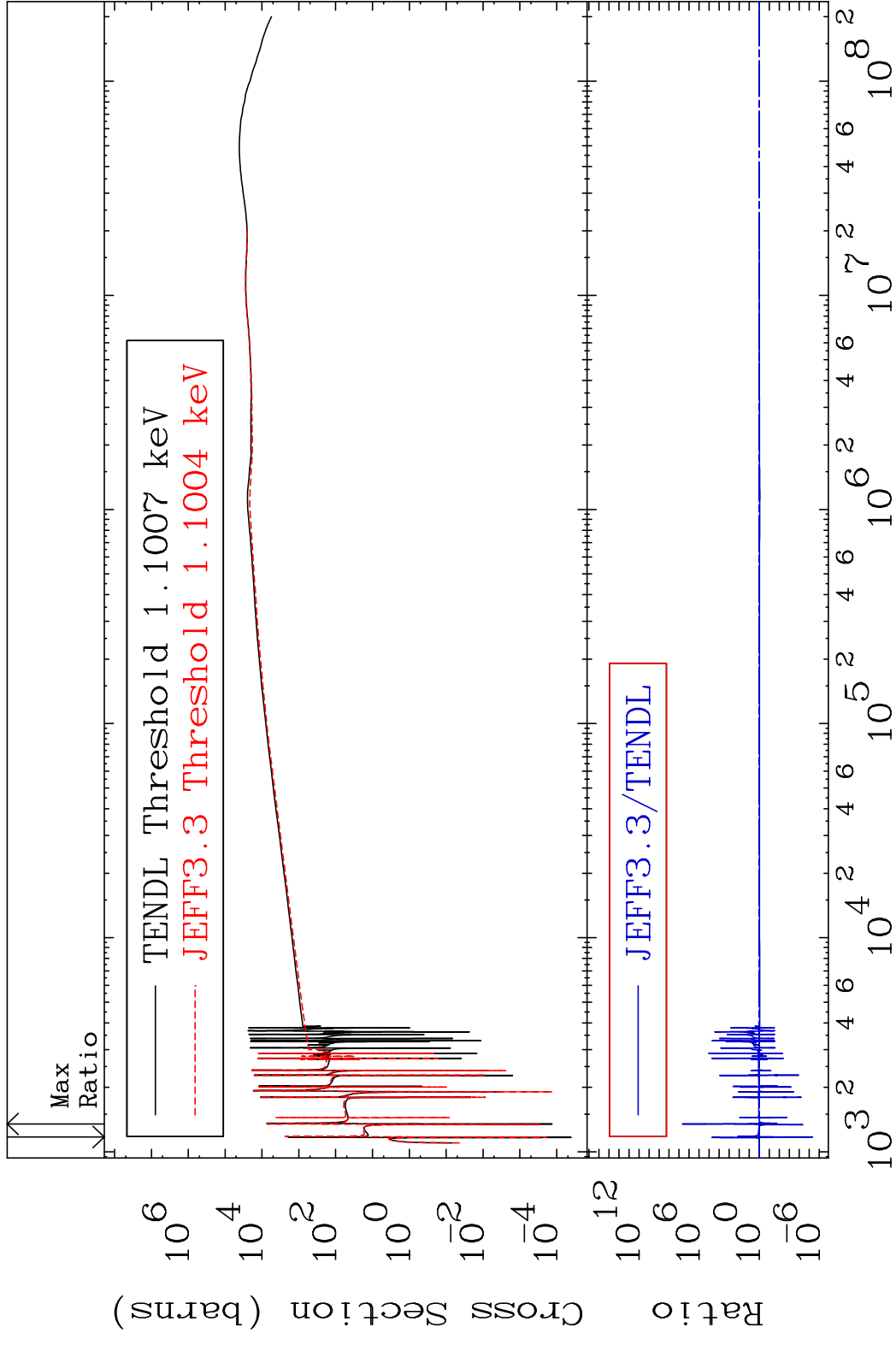
63 Incident Energy (eV) 72-Hf-180

MAT 7243

Dpa elastic (mt2)

72-Hf-180

Cross Section -100.0 To 9999. %

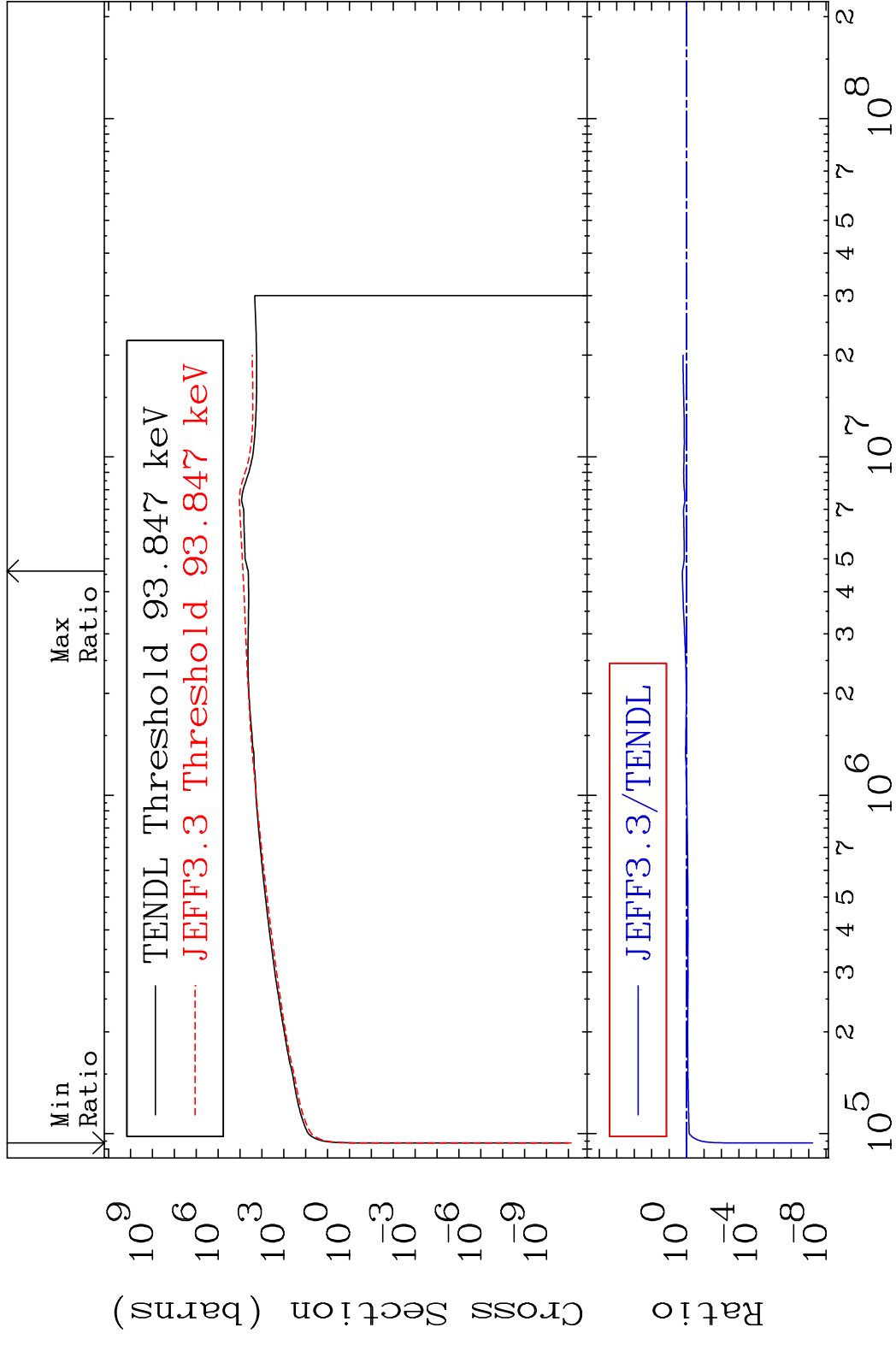


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Incident Energy (eV)

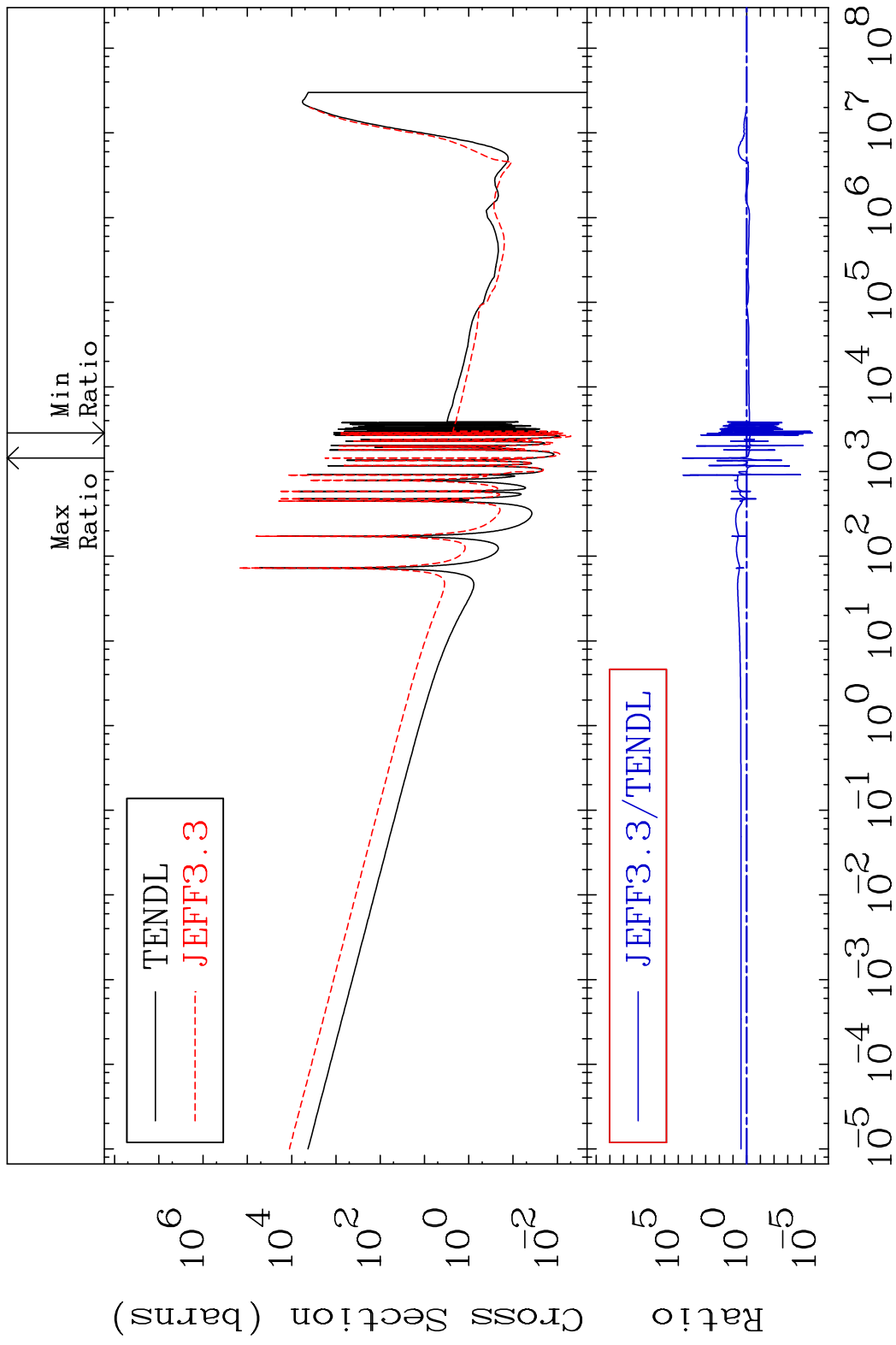
72-Hf-180

MAT 7243 Dpa inelastic (mt51-91) 72-Hf-180
 Cross Section -100.0 To 74.75 %

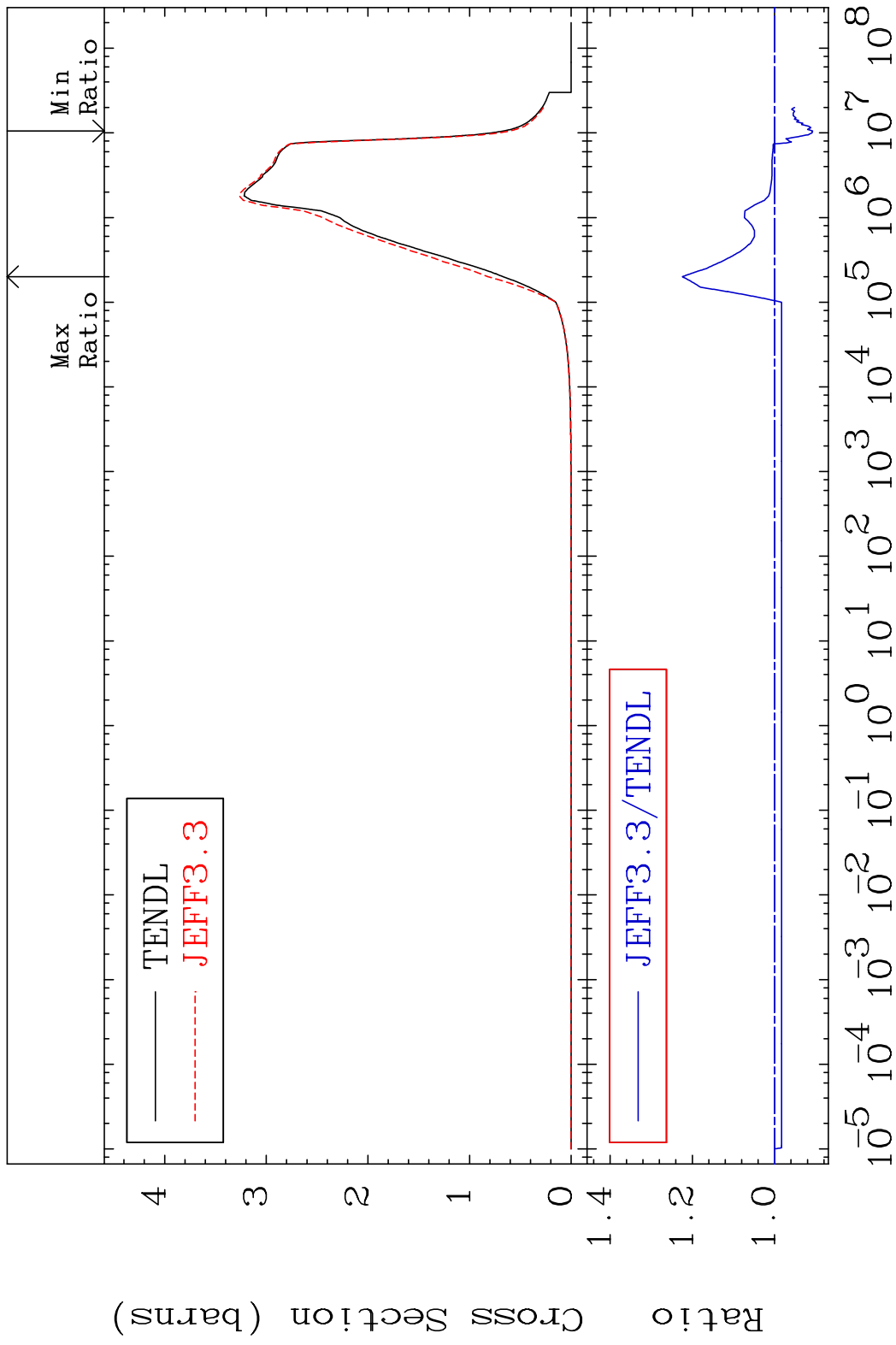


65 Incident Energy (eV) 72-Hf-180

MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180
 Cross Section -100.0 To 9999. %

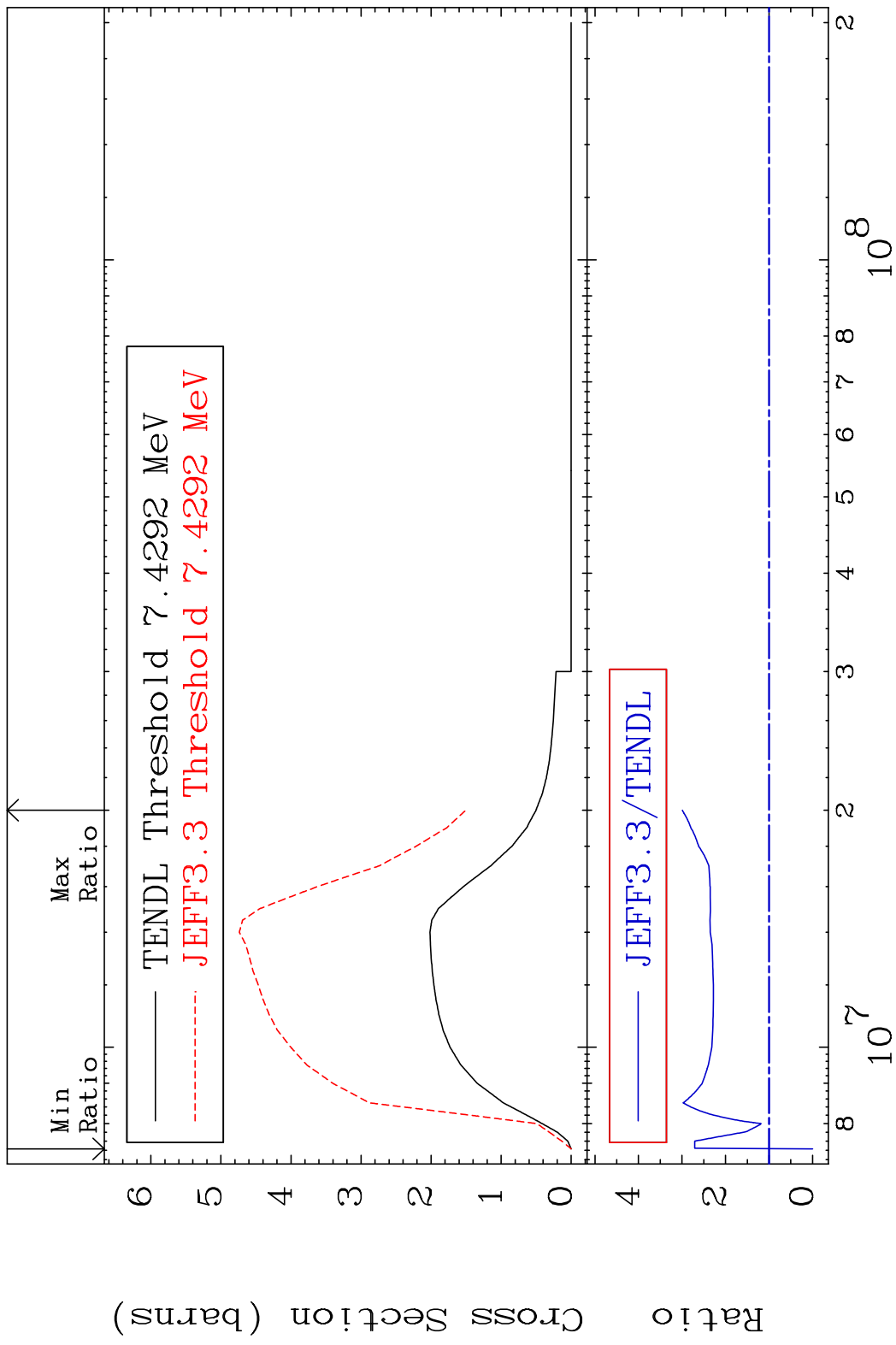


MAT 7243 Inelastic:72-Hf-180g 72-Hf-180
 Radionuclide Production Cross Section 22.42 %

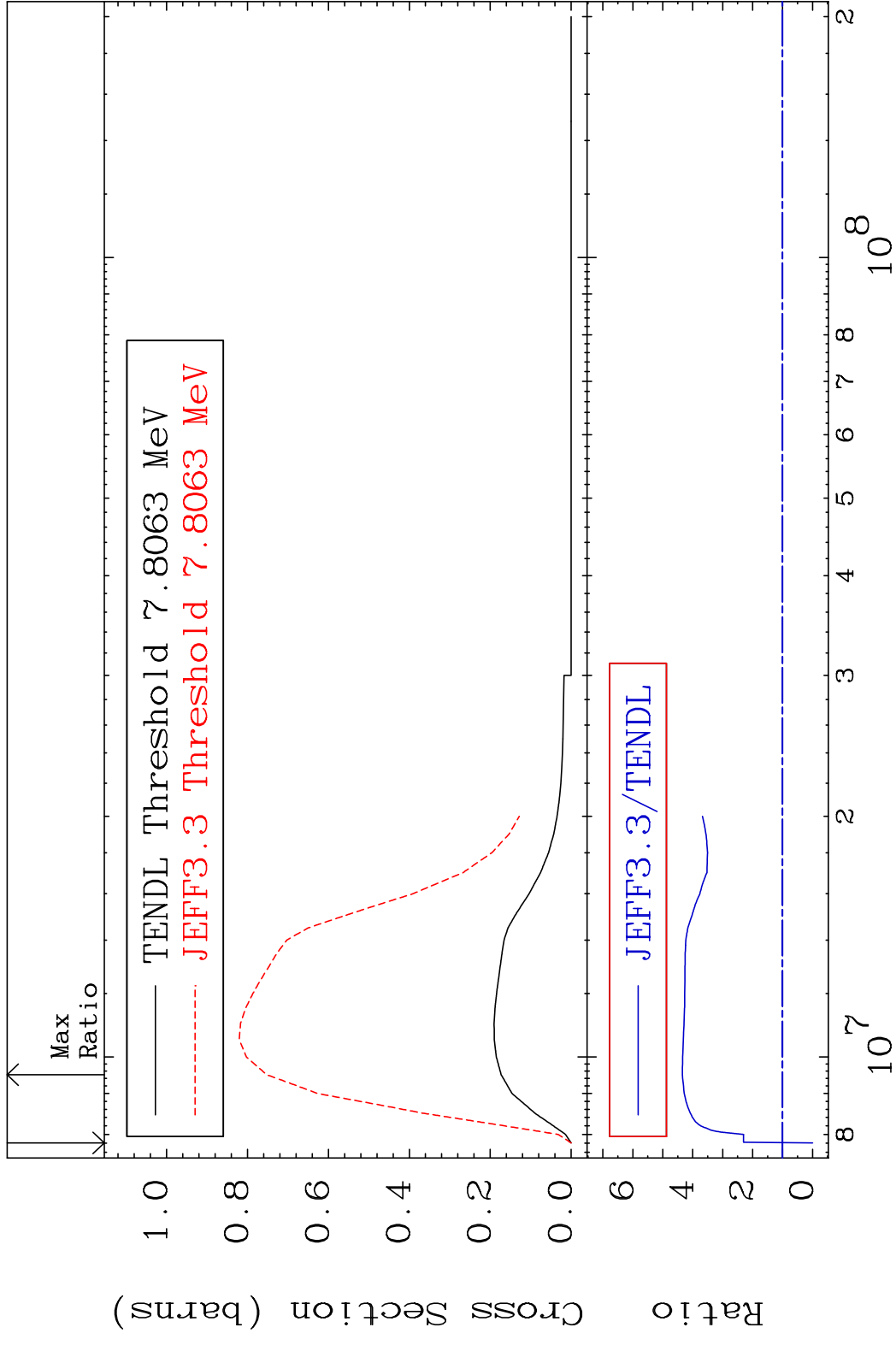


67 Incident Energy (eV) 72-Hf-180

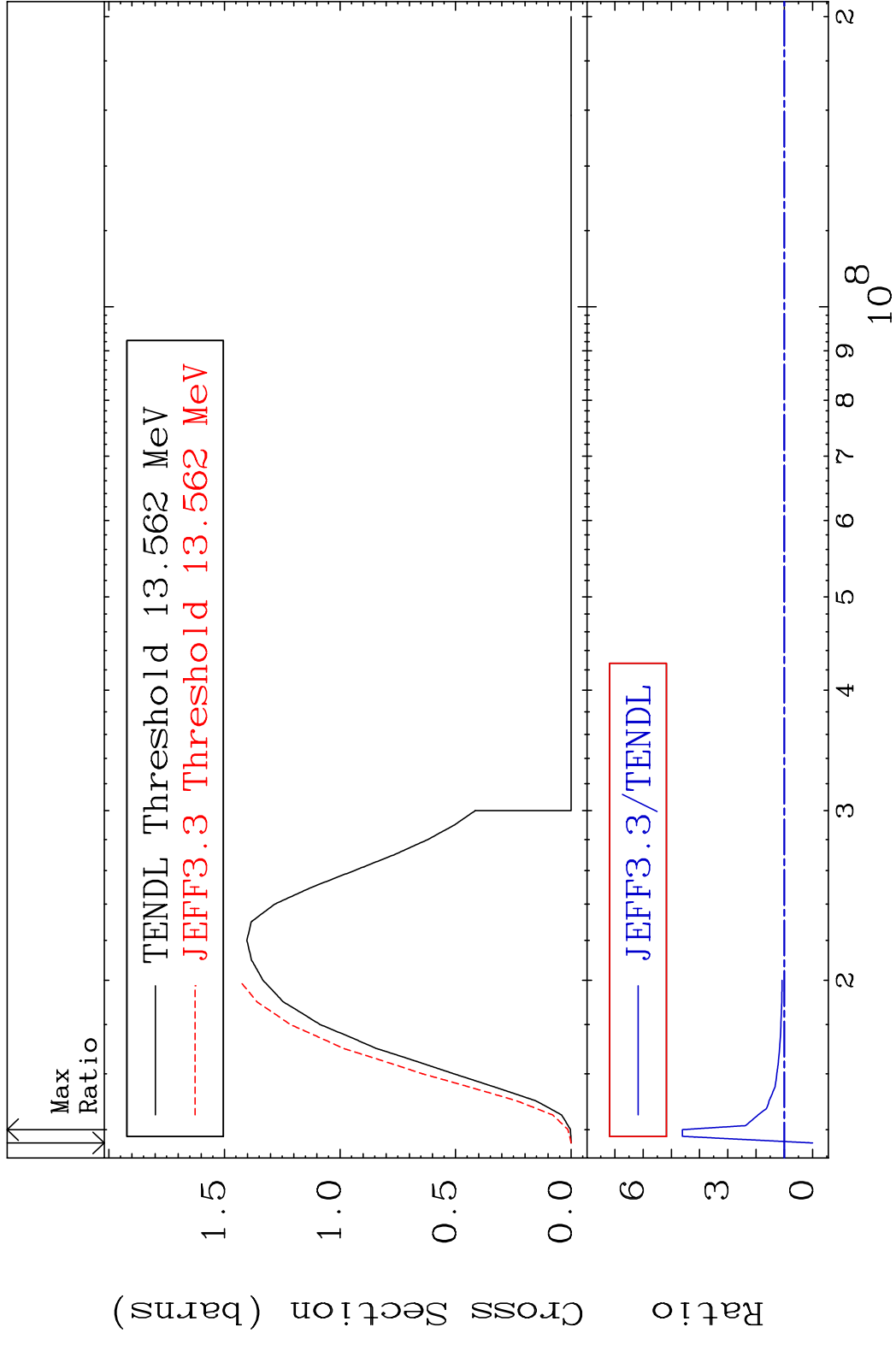
MAT 7243 (n,2n):72-Hf-179g 72-Hf-180
 Radionuclide Production Cross Section 180.0 dth 199.2 %



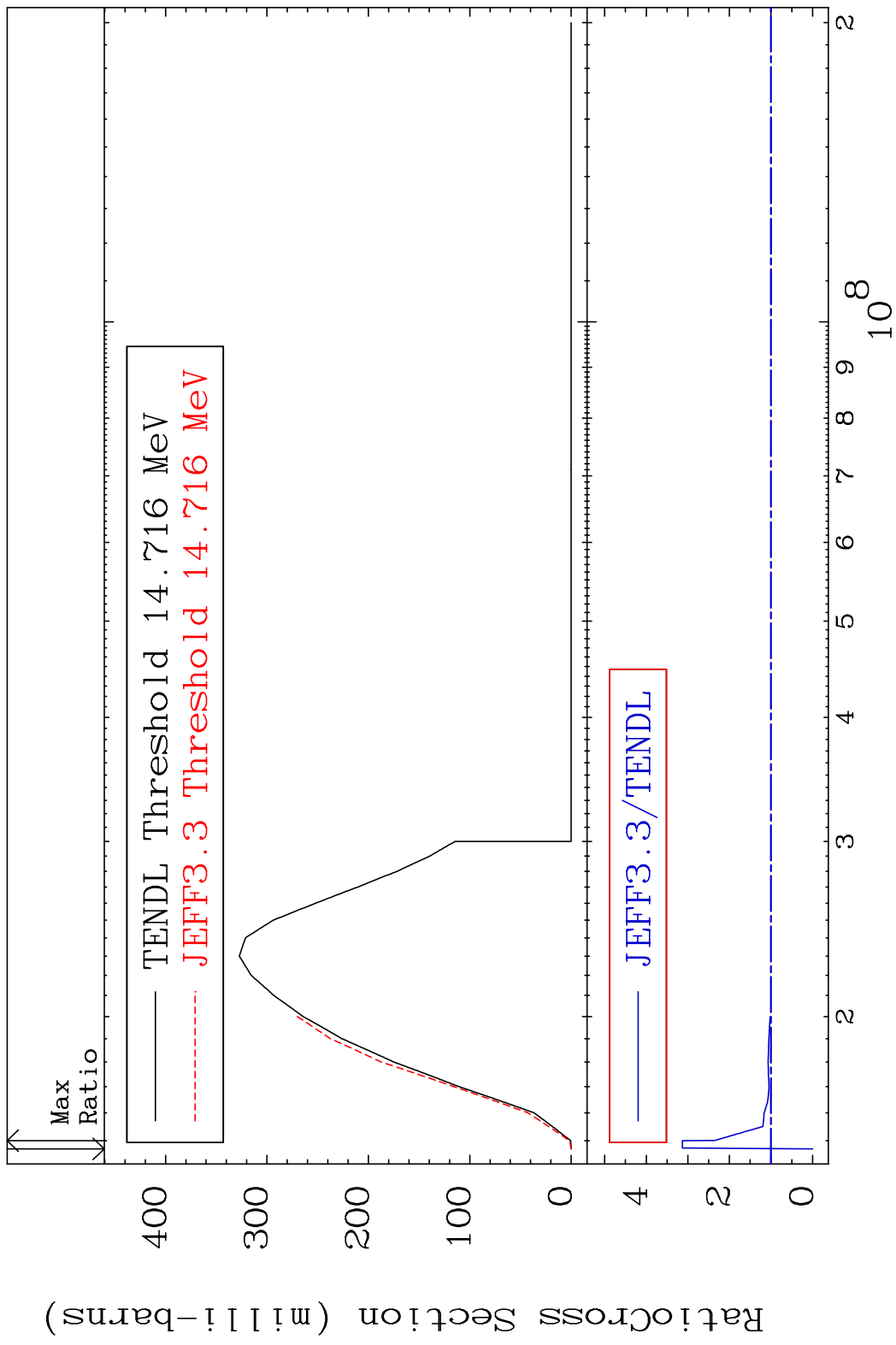
MAT 7243 (n,2n):72-Hf-179m5 72-Hf-180
 Radionuclide Production Cross Section 334.7 %

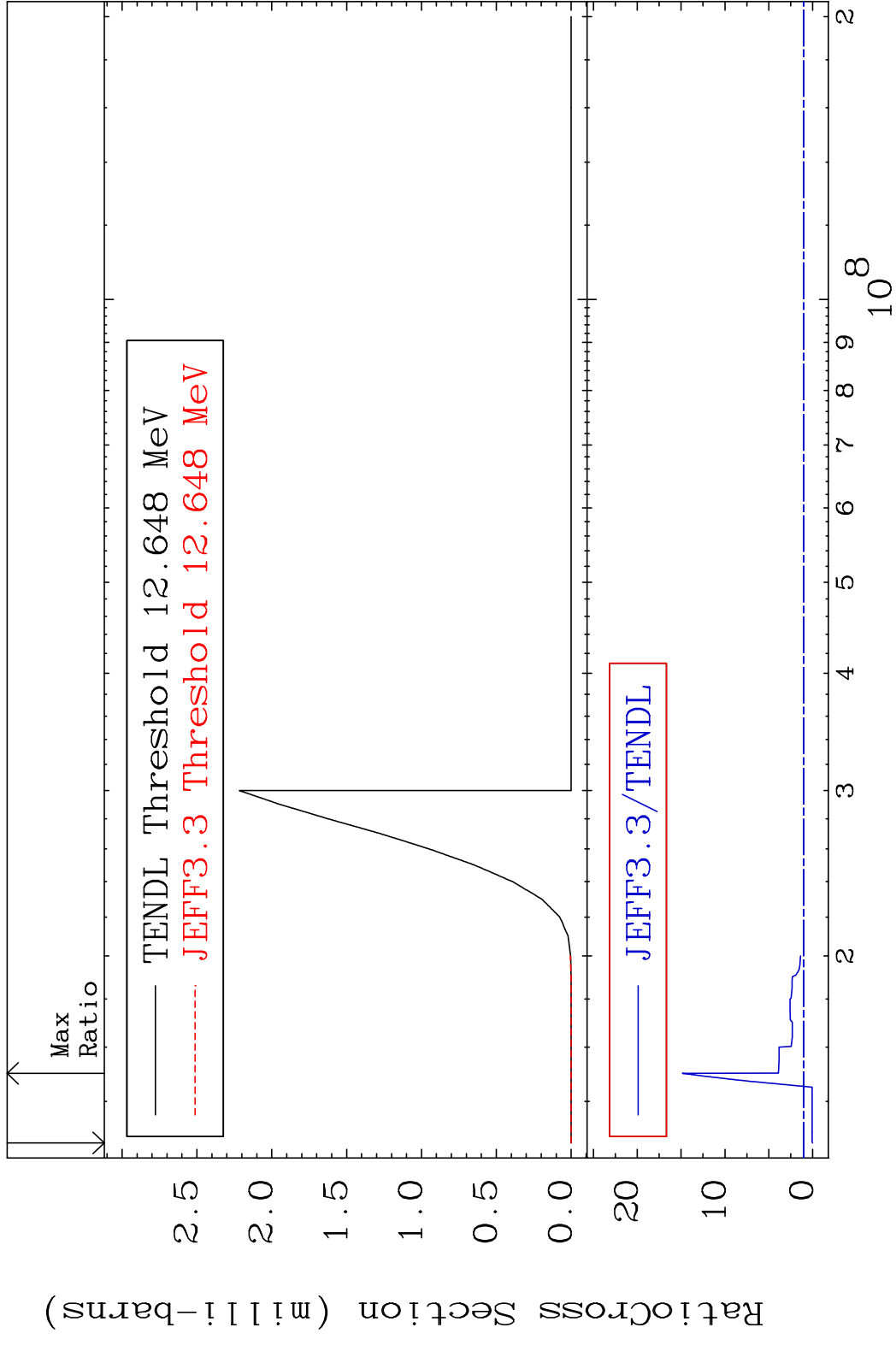


MAT 7243 (n,3n):72-Hf-178g 72-Hf-180
 Radionuclide Production Cross Section 180.0 dno 361.0 %

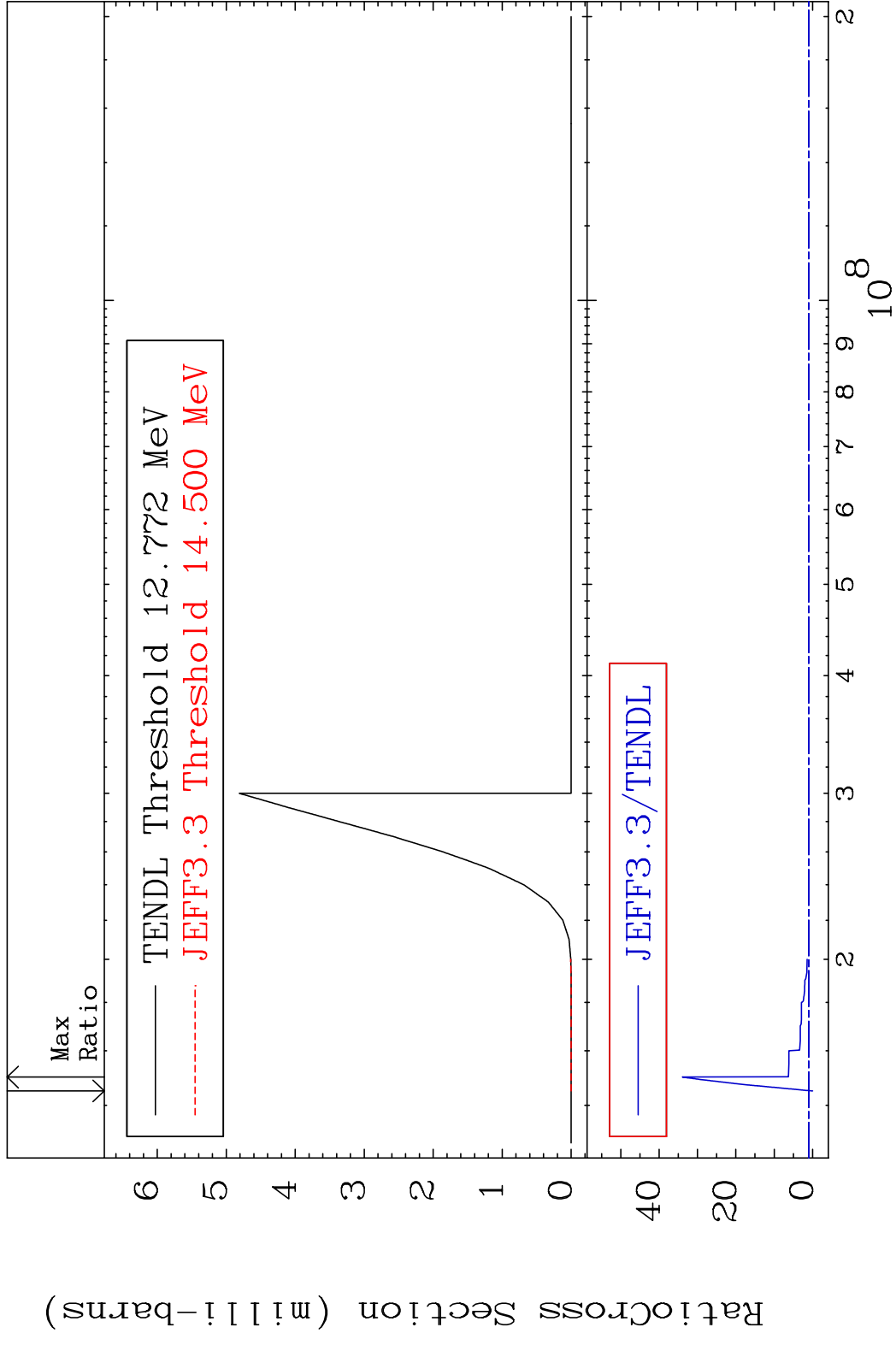


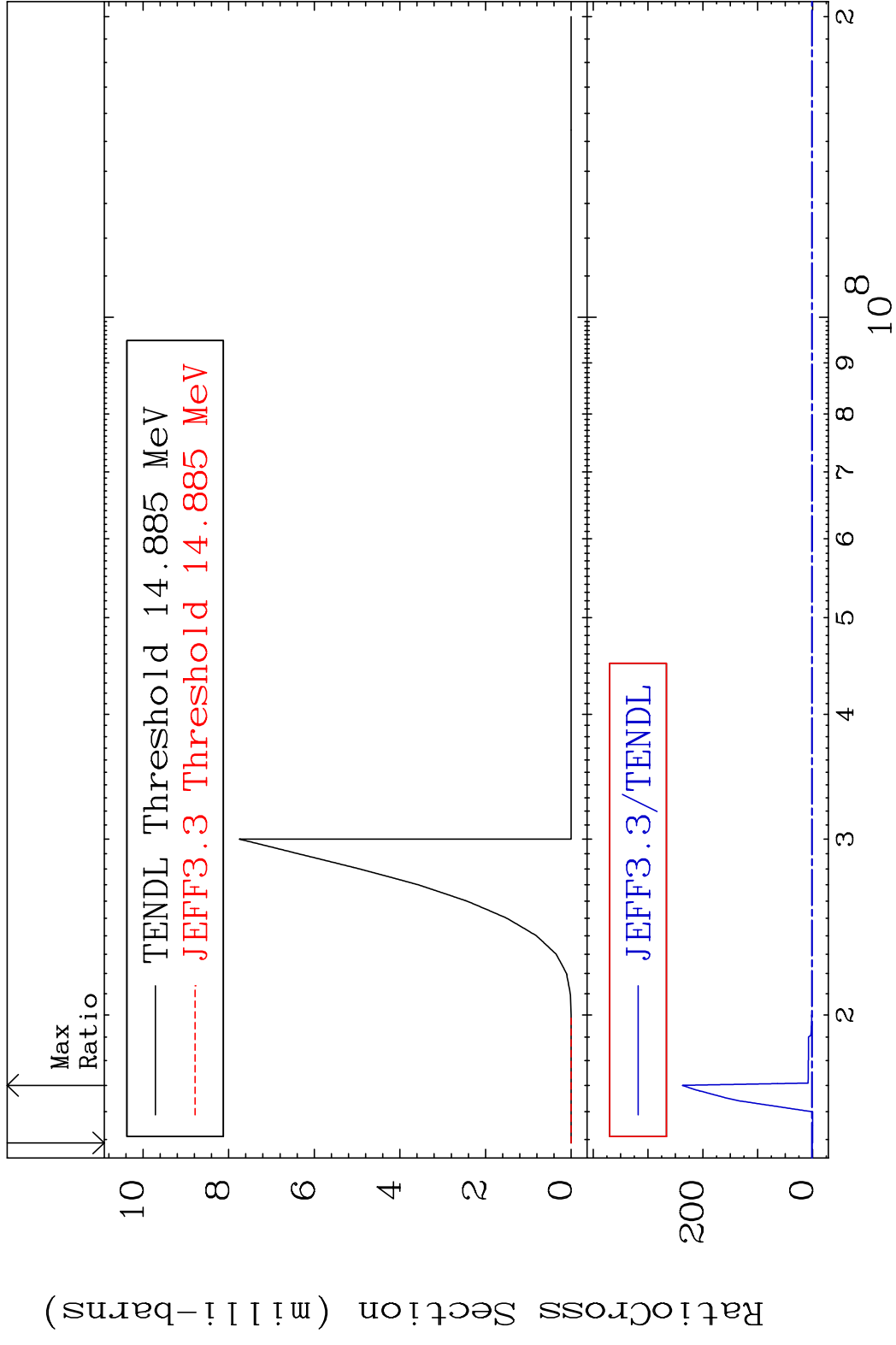
MAT 7243 (n, 3n): 72-Hf-178m5 72-Hf-180
 Radionuclide Production Cross Section 180.01 dth 213.2 %

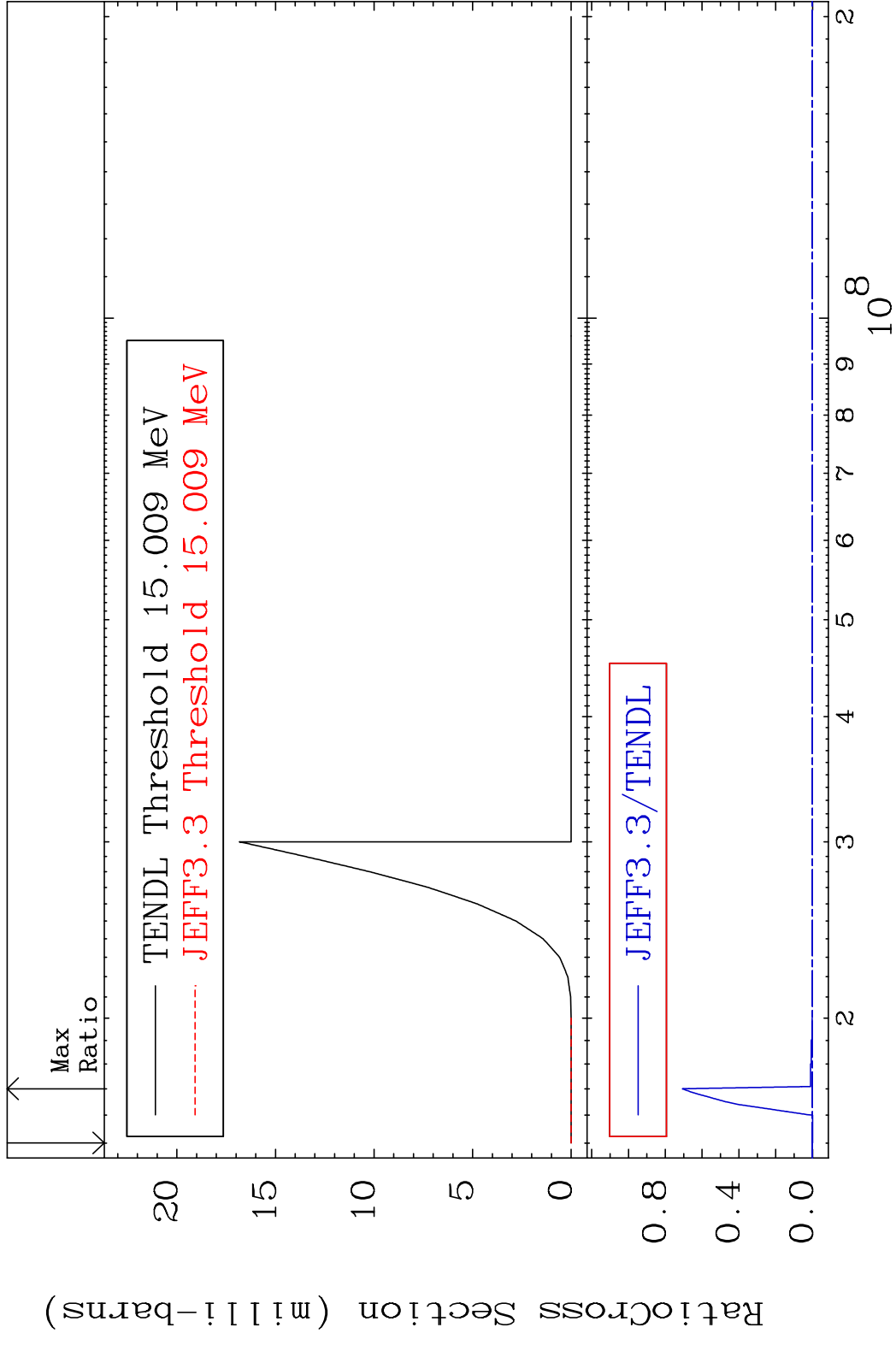




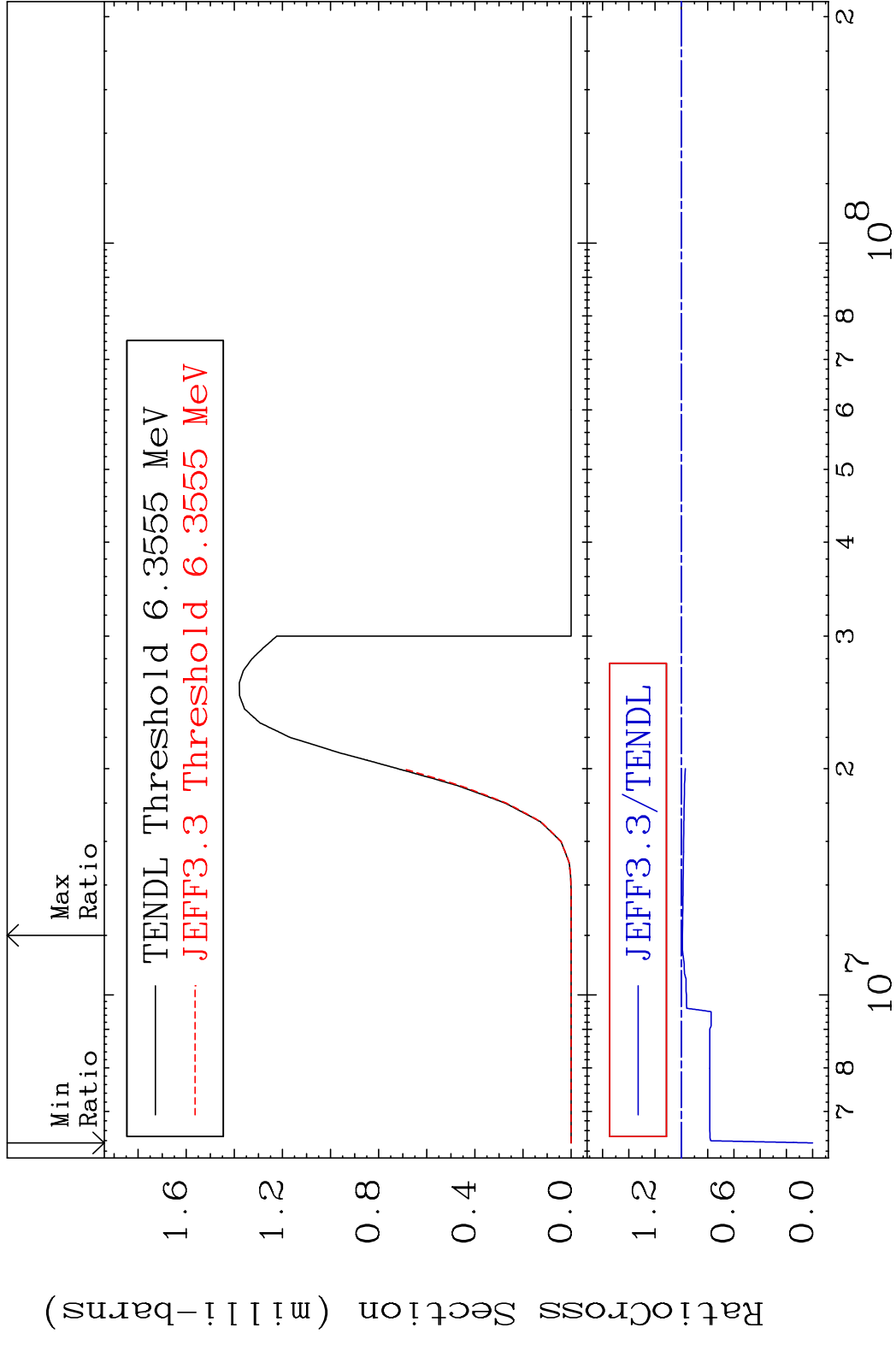
MAT 7243 (n, n') d:71-Lu-178m3 72-Hf-180
 Radionuclide Production Cross Section Ratio 3294. %







MAT 7243 (n,t):71-Lu-178g 72-Hf-180
 Radionuclide Production Cross Section Ratio -0.766%



MAT 7243 (n, t):71-Lu-178m3 72-Hf-180
 Radionuclide Production Cross Section 180.01 dth 17.60 %

