

Program Complot
(Version 2021-1)

by

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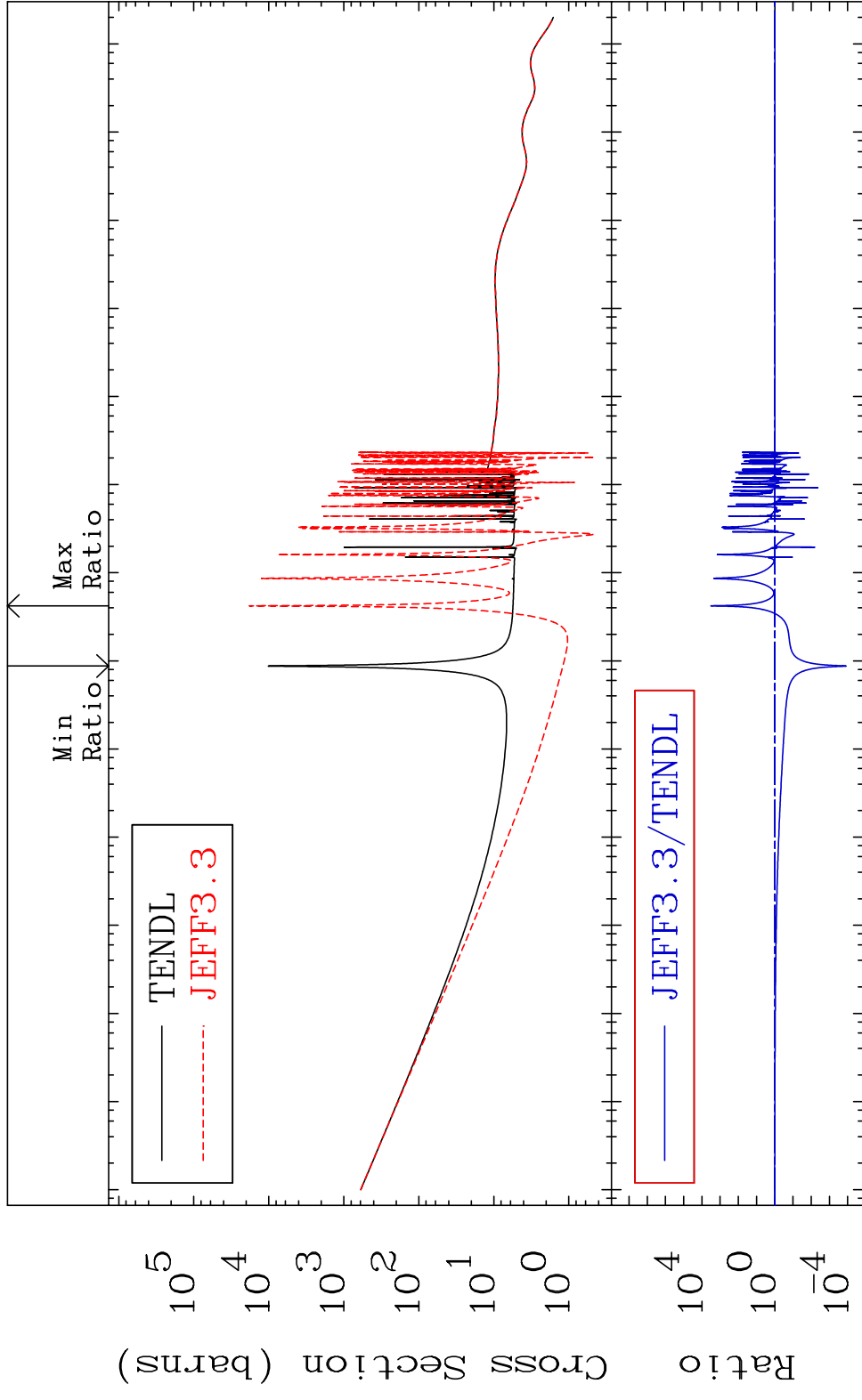
Press Mouse Button to Start

MAT 4122

41-Nb-92

Total

Cross Section -99.99 To 9999. %



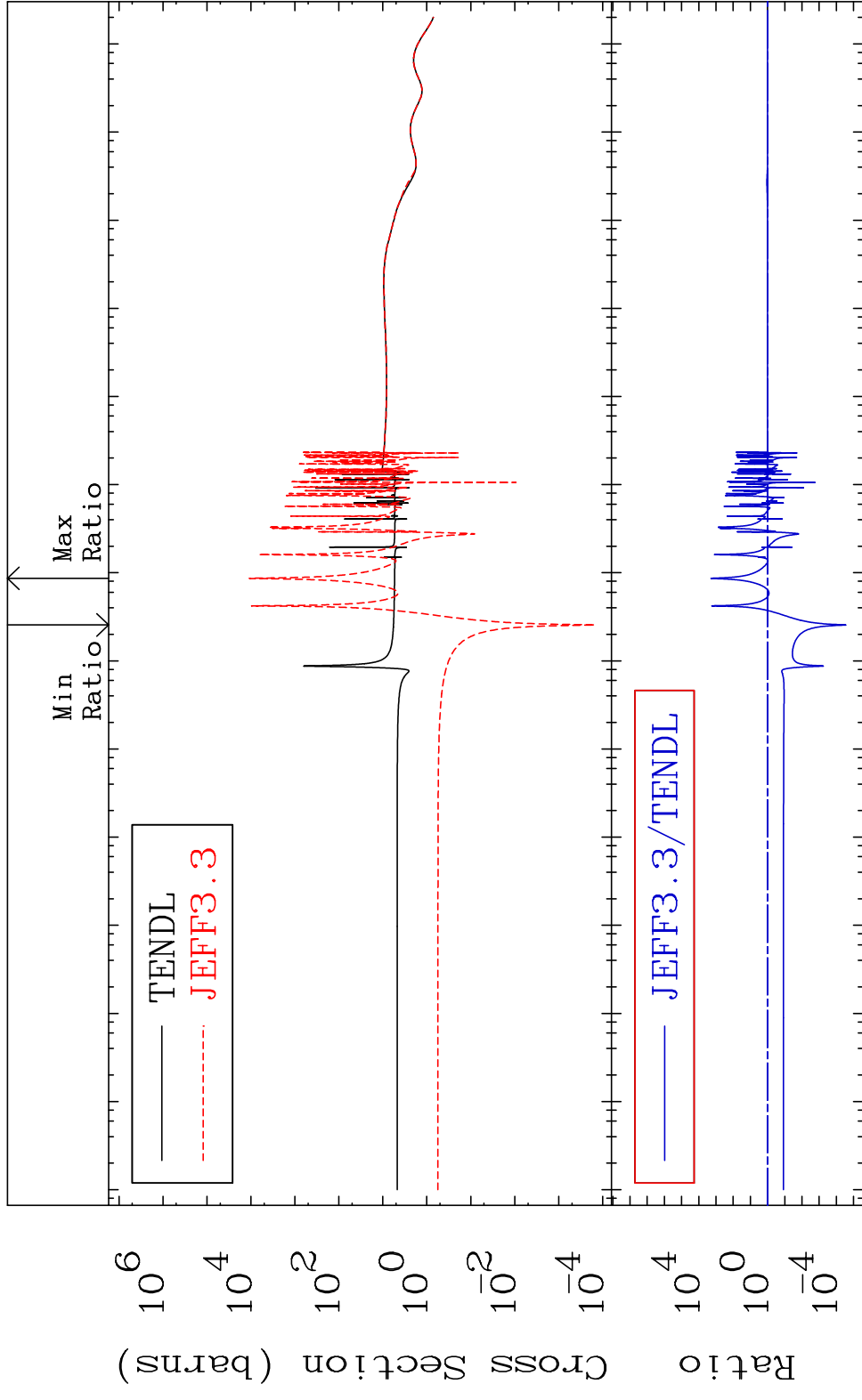
1

Incident Energy (eV)

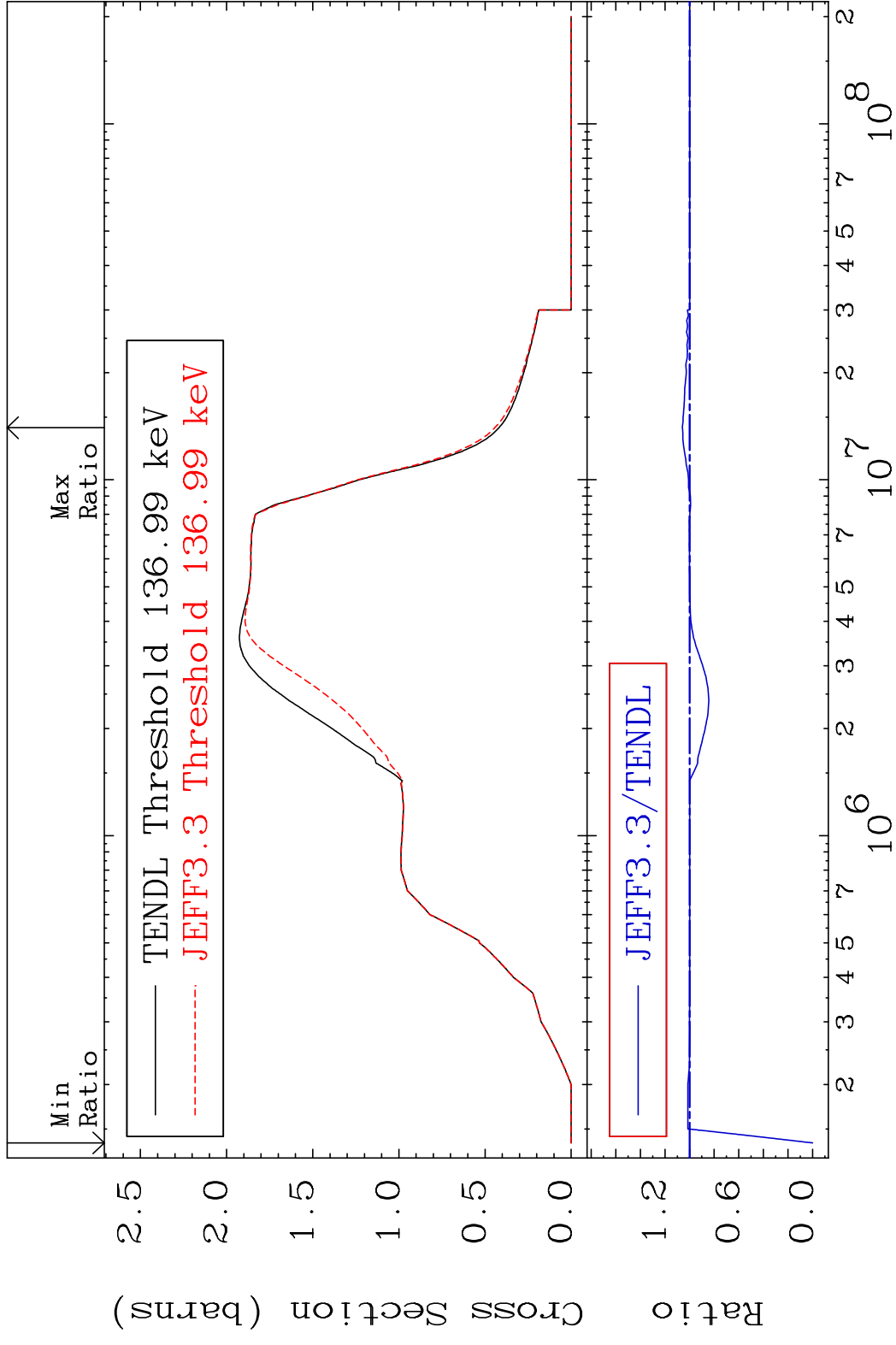
41-Nb-92

MAT 4122

Elastic Cross Section -100.0 To 9999. %
41-Nb-92



MAT 4122 Inelastic 41-Nb-92
 Cross Section -100.0 To 5.874 %

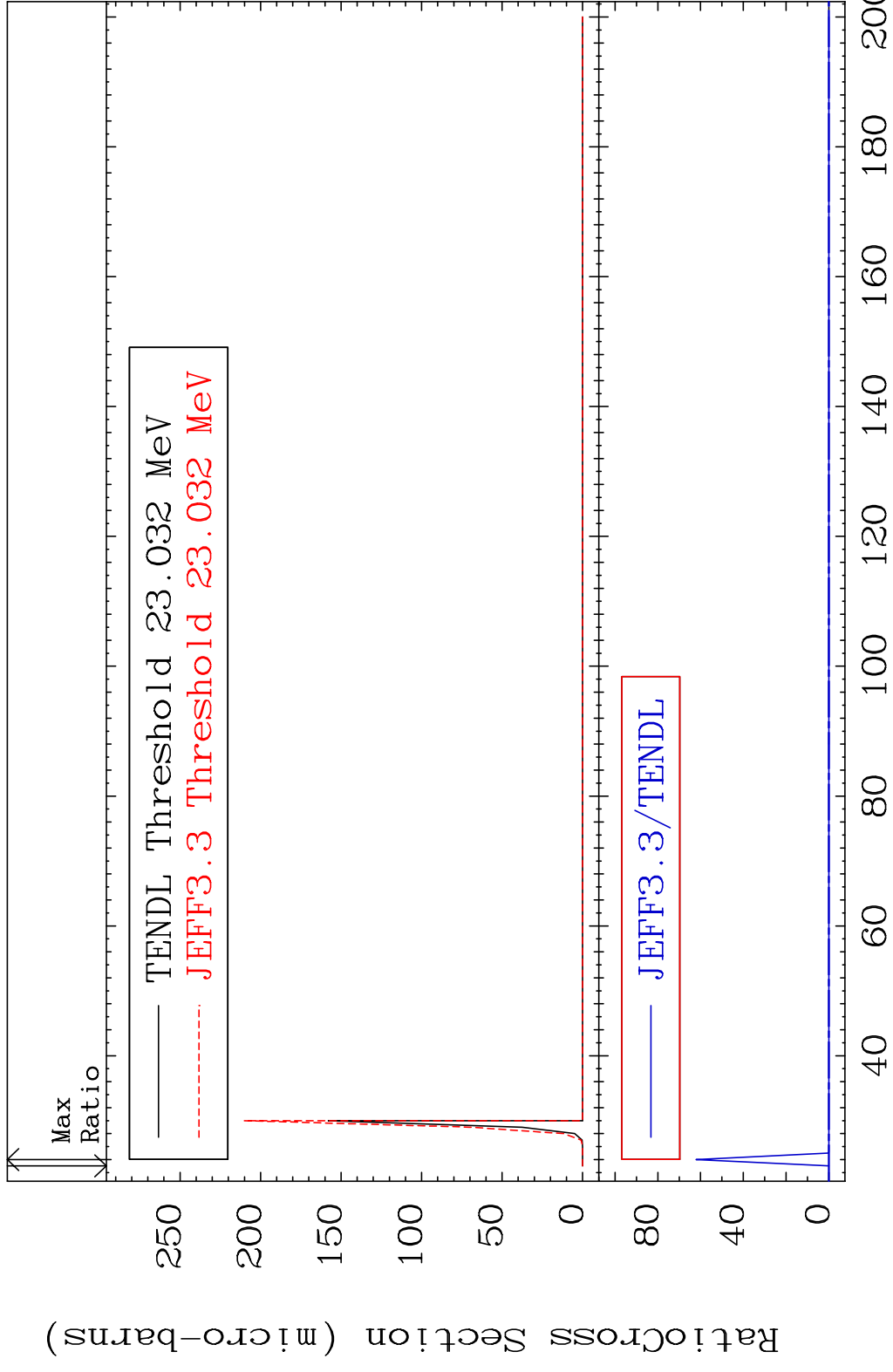


MAT 4122

(n,2n) d

41-Nb-92

Cross Section -100.0 To 9999. %

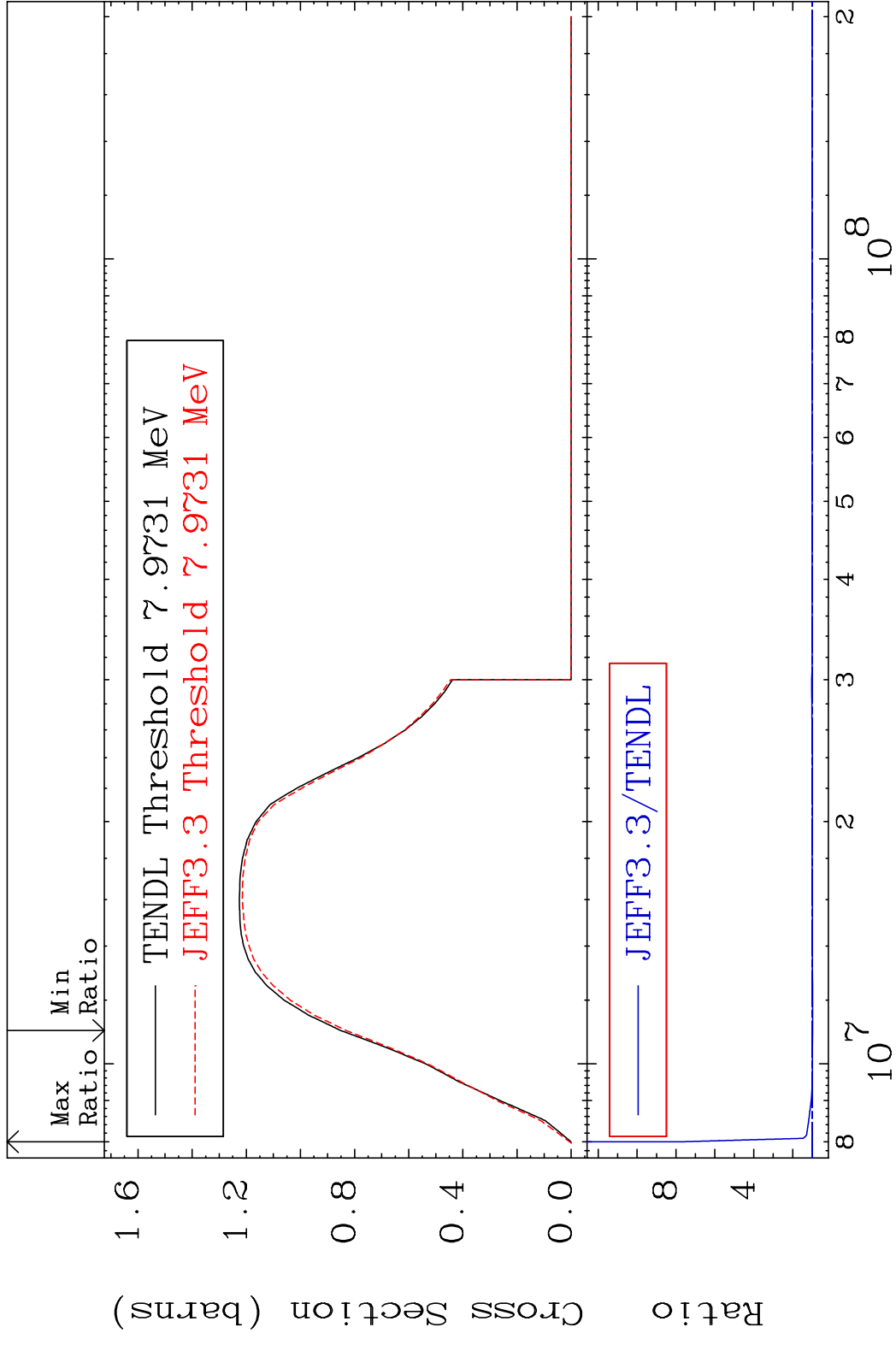


MAT 4122

(n,2n)

41-Nb-92

Cross Section -2.333 To 667.3 %



5

Incident Energy (eV)

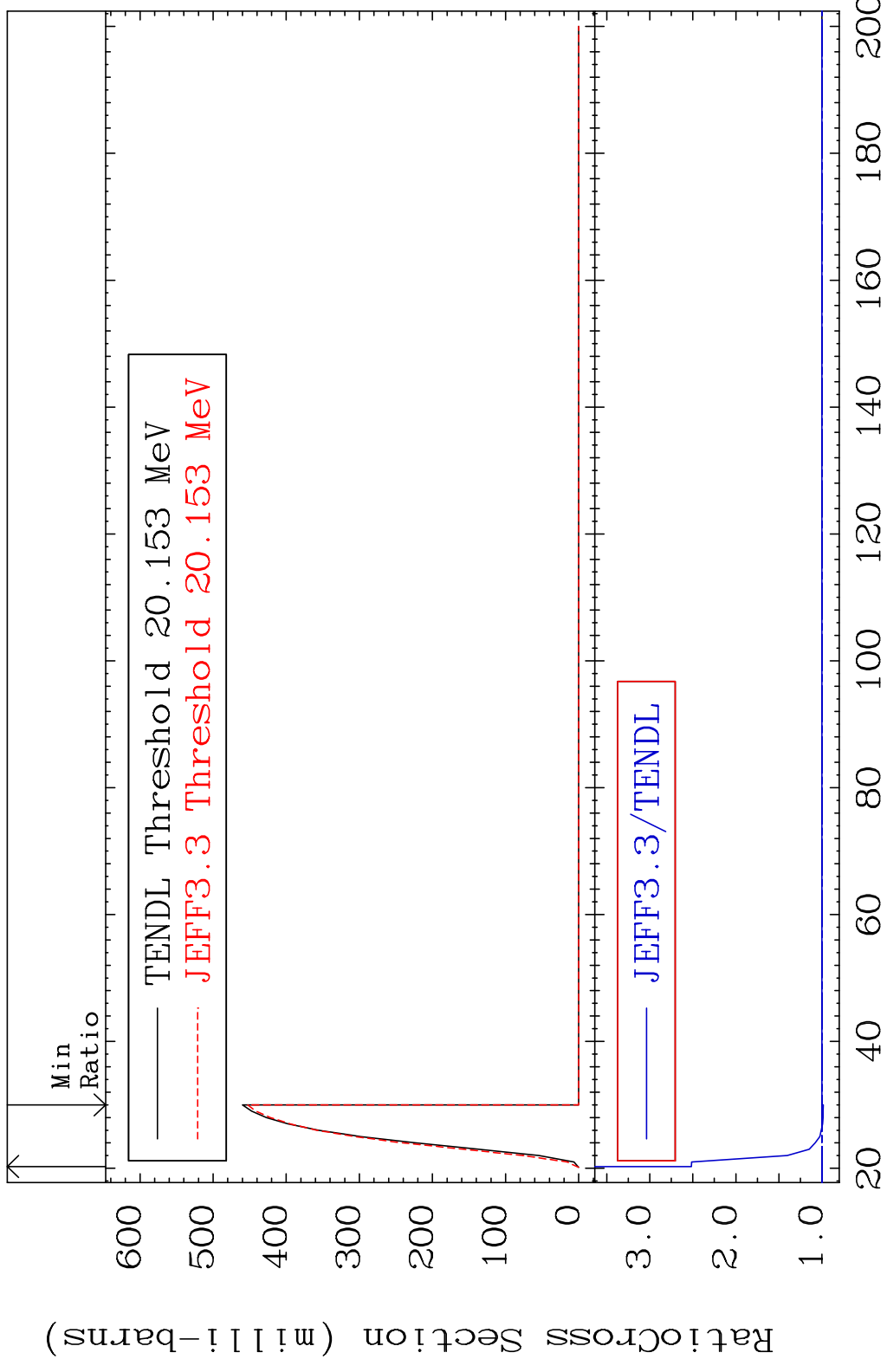
41-Nb-92

MAT 4122

(n,3n)

41-Nb-92

Cross Section -1.534 To 151.7 %

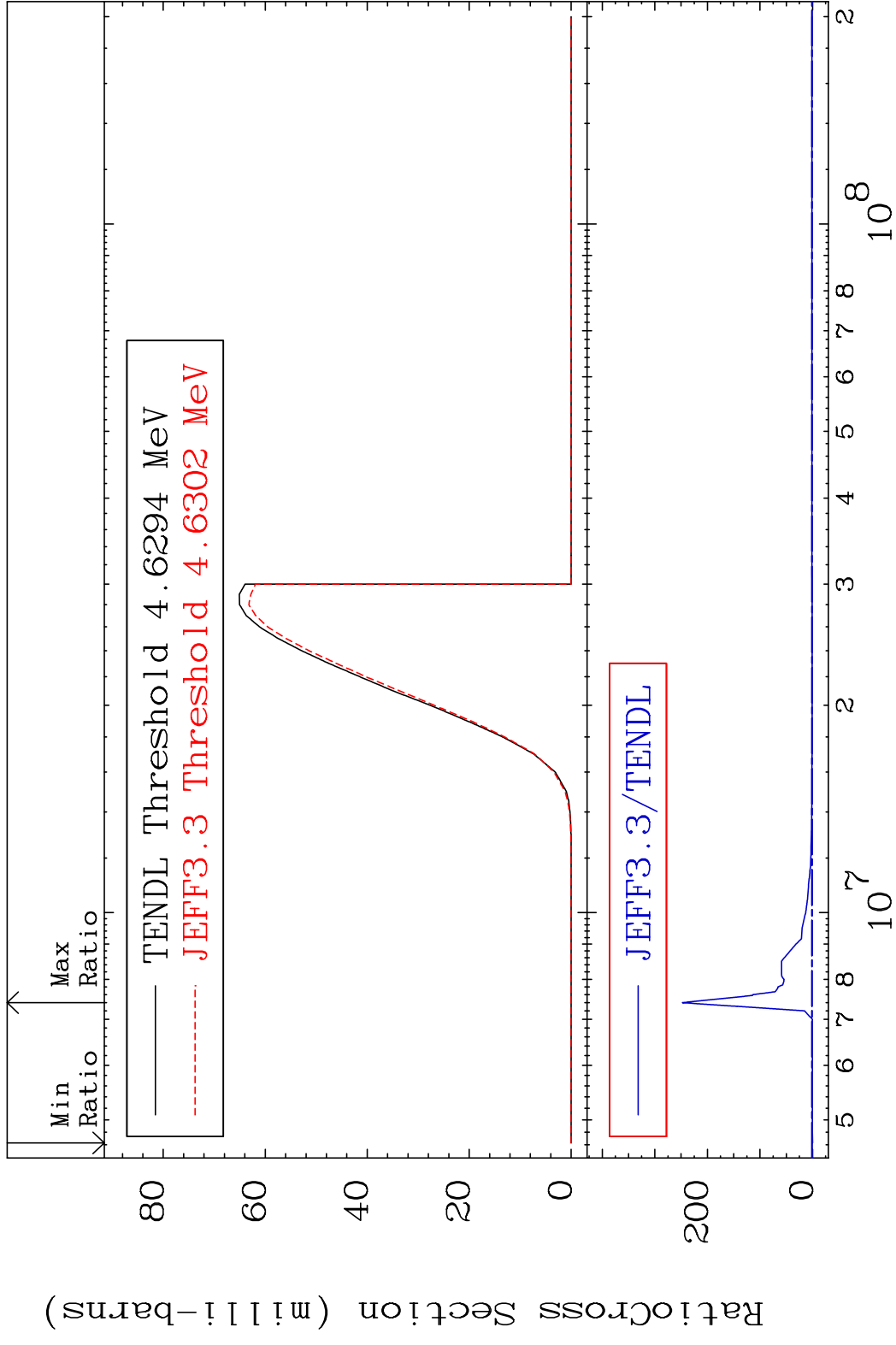


MAT 4122

(n, n') α

41-Nb-92

Cross Section -100.0 To 9999. %

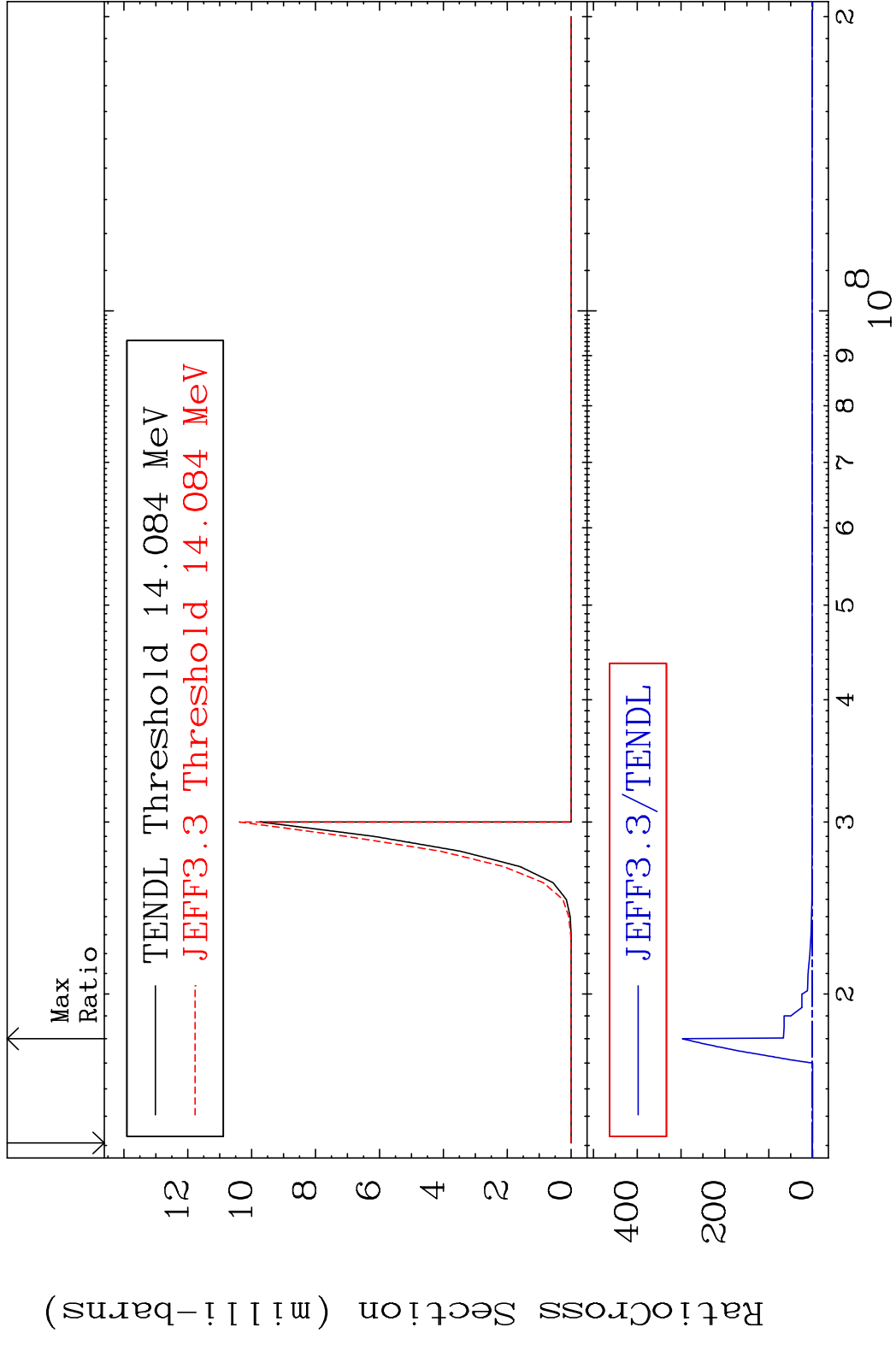


7

Incident Energy (eV)

41-Nb-92

MAT 4122 (n,2n) α 41-Nb-92
 Cross Section -100.0 To 9999. %

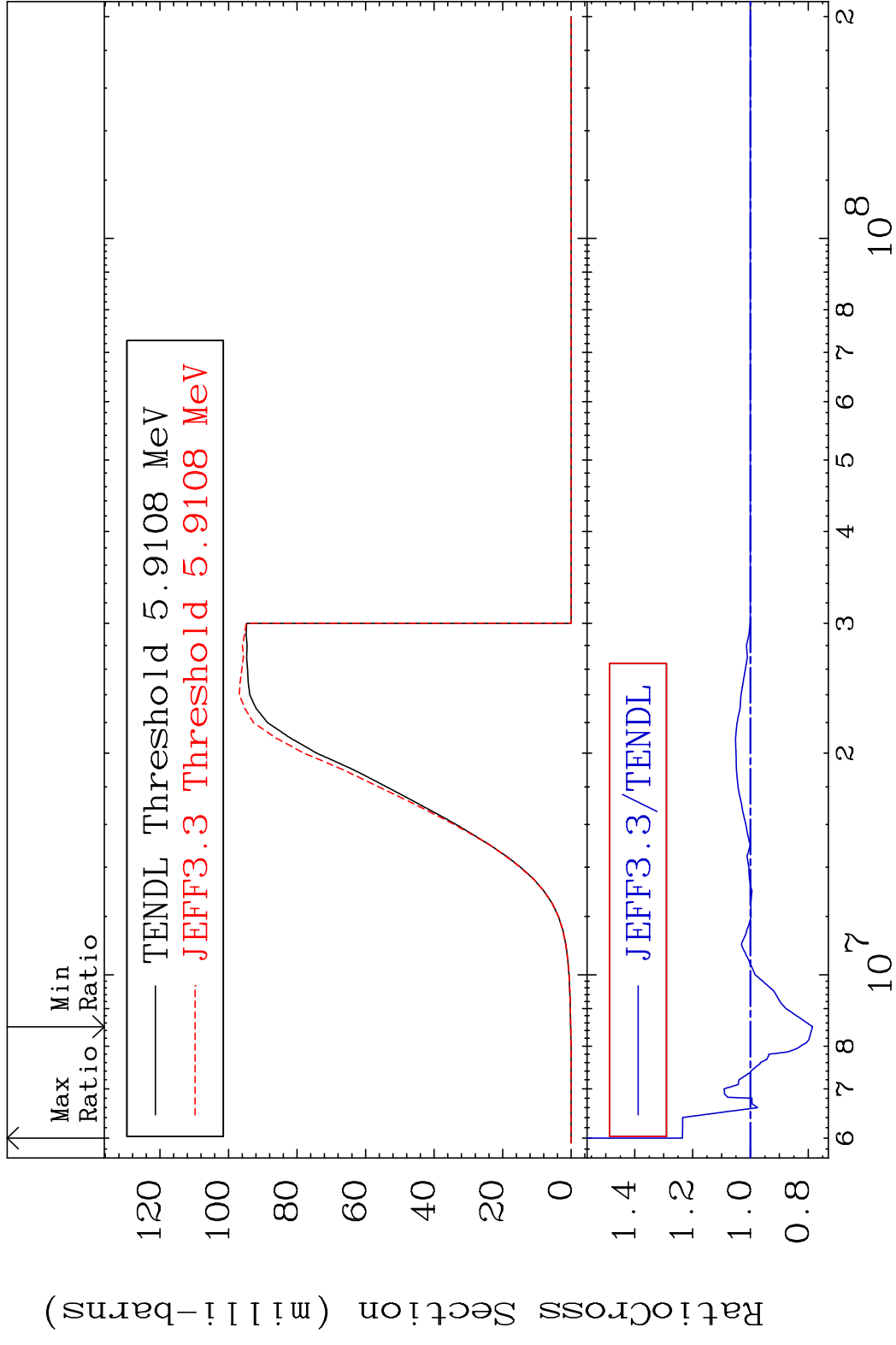


MAT 4122

(n, n') p

41-Nb-92

Cross Section -21.49 To 23.54 %

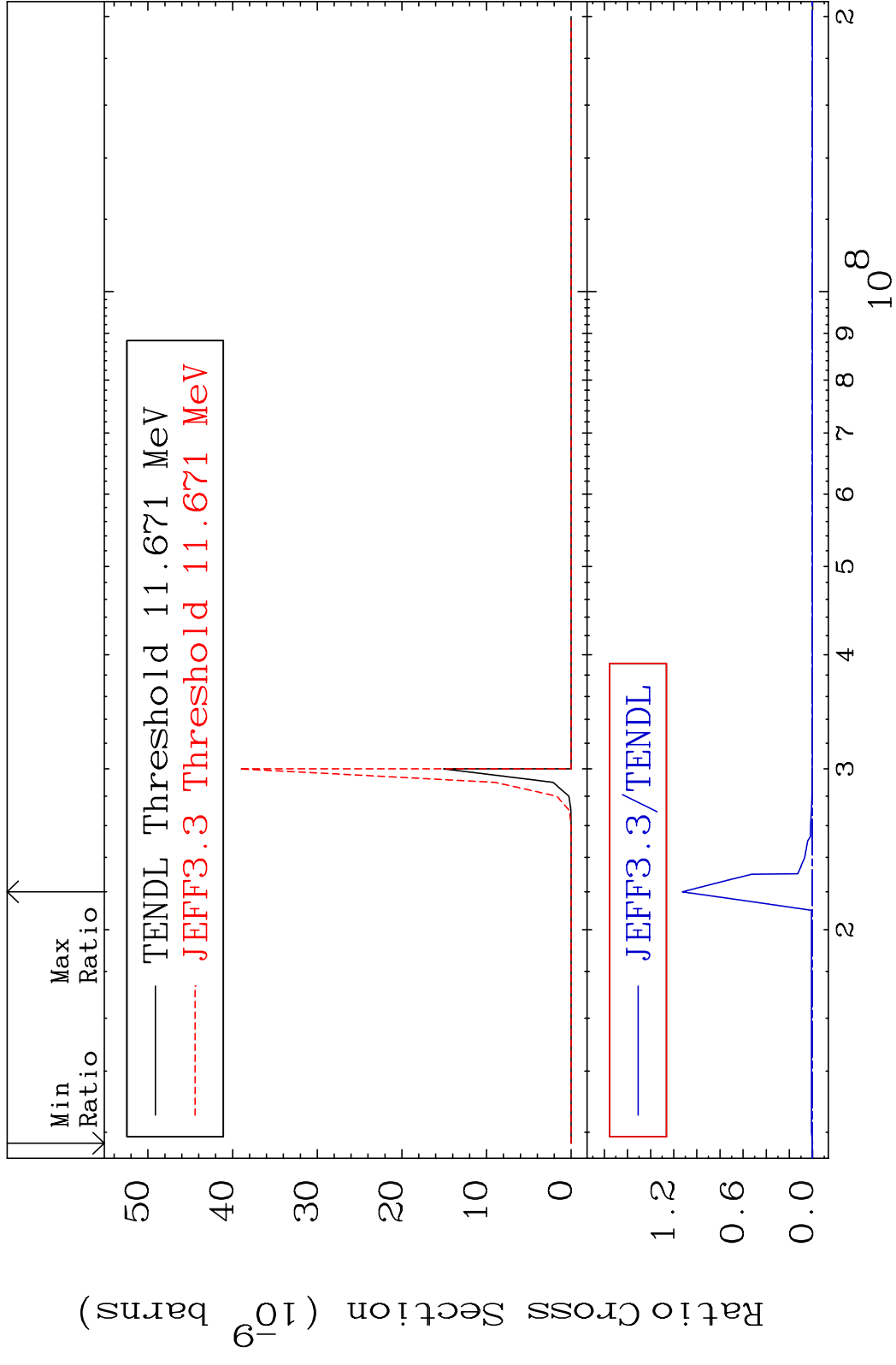


MAT 4122

(n, n') 2α

41-Nb-92

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

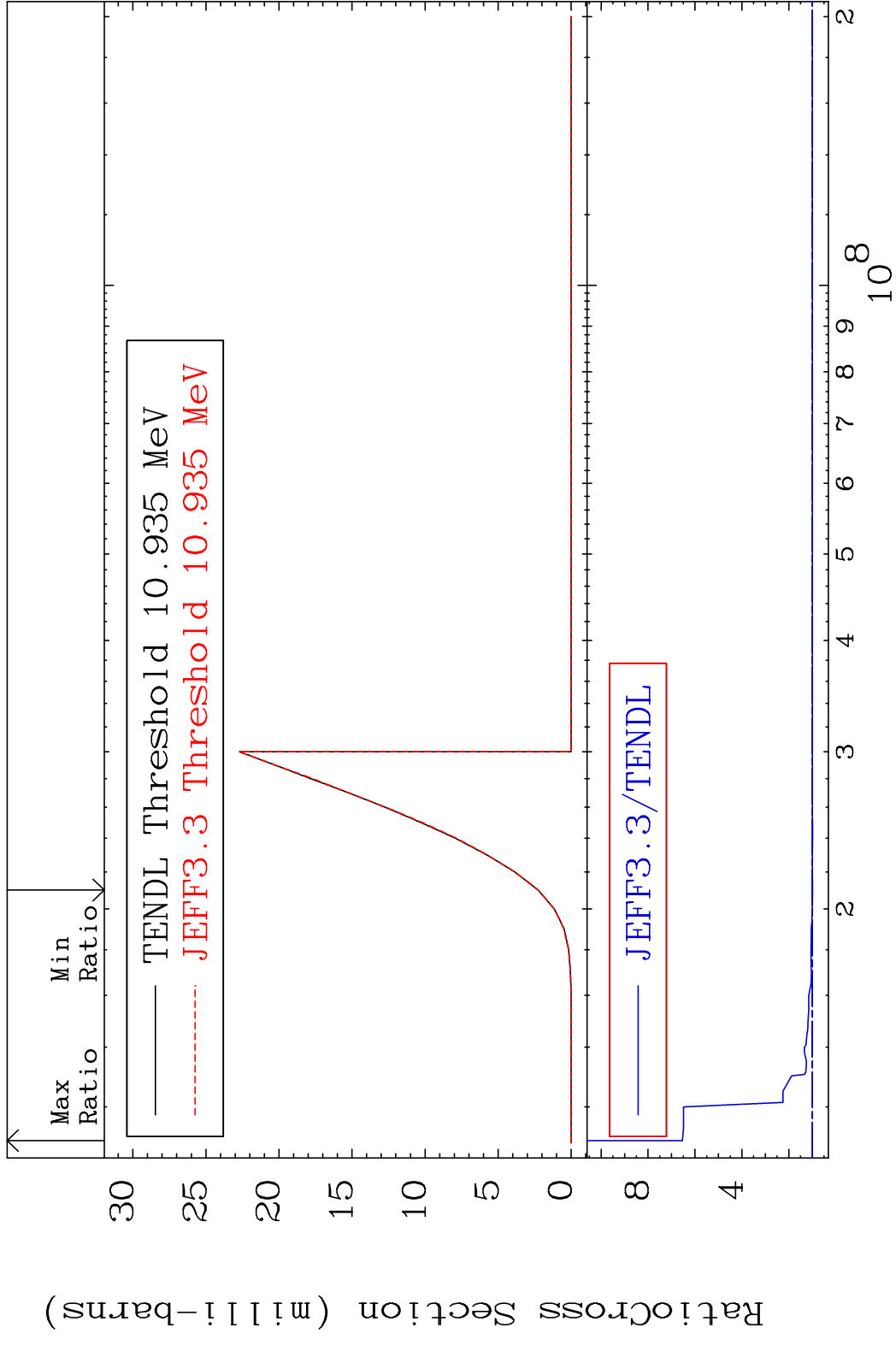
41-Nb-92

MAT 4122

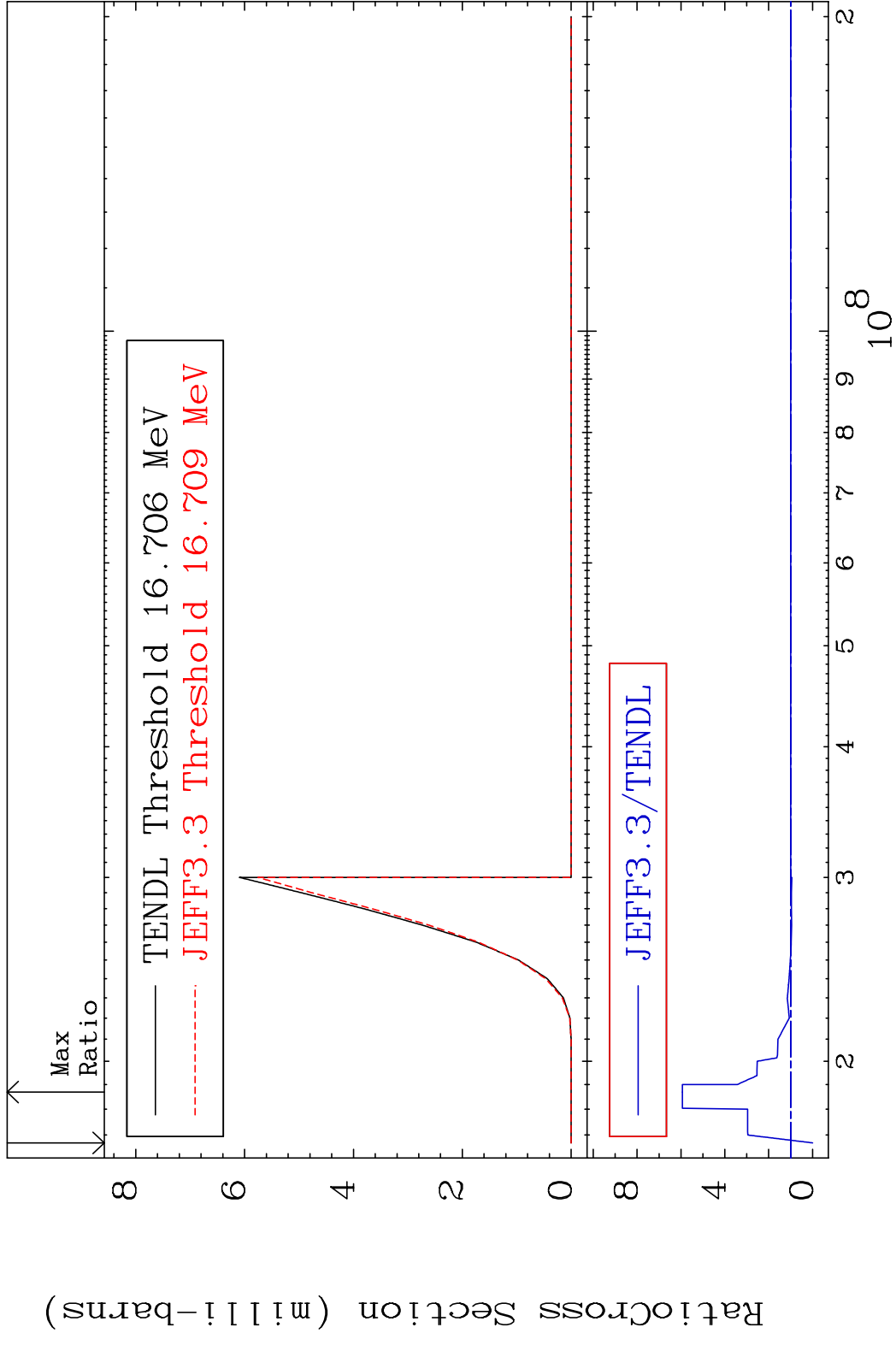
(n, n') d

41-Nb-92

Cross Section -1.093 To 553.8 %



MAT 4122 (n, n') t 41-Nb-92
 Cross Section -100.0 To 493.7 %

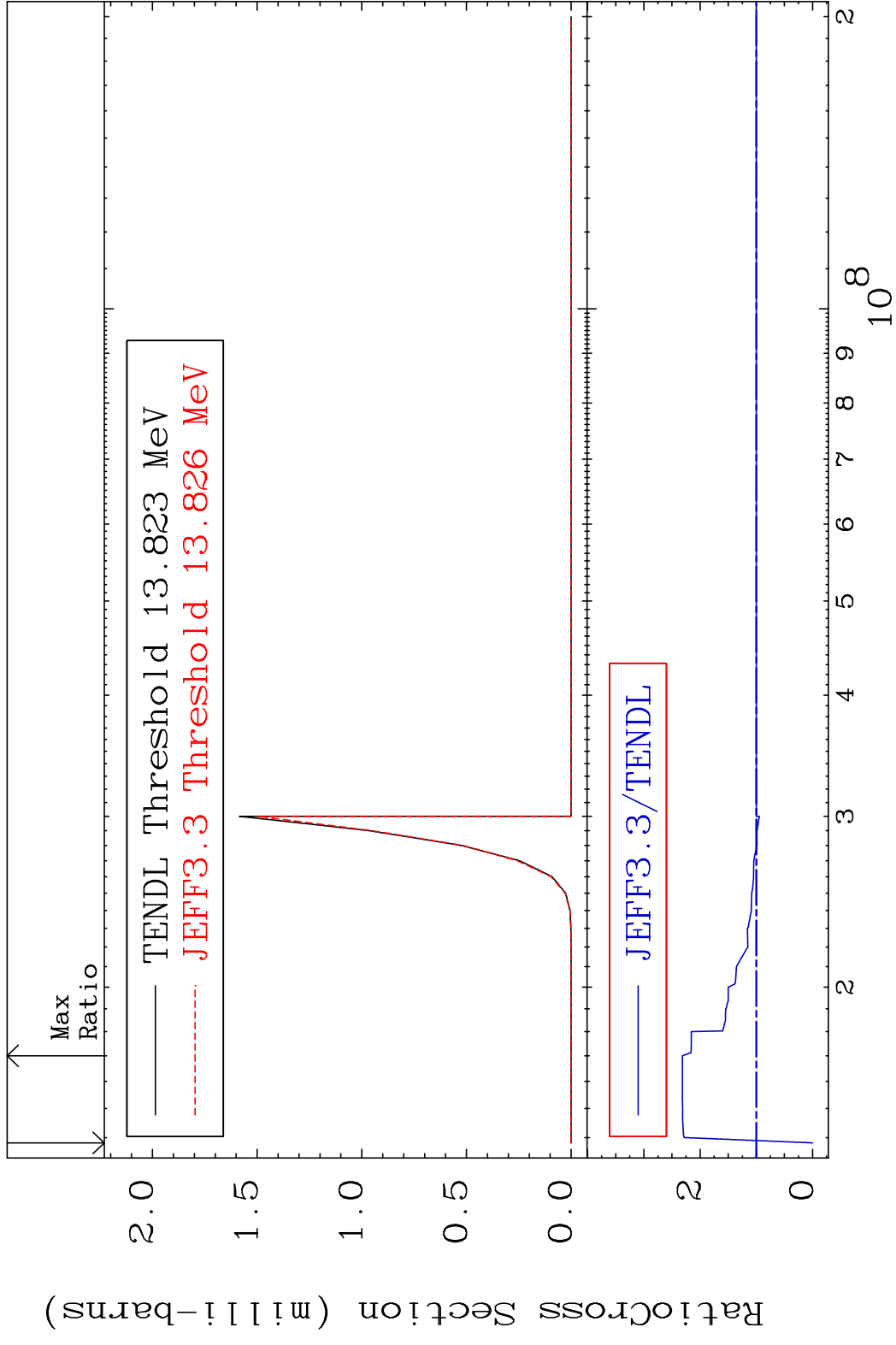


MAT 4122

(n,n') He-3

41-Nb-92

Cross Section -100.0 To 131.5 %

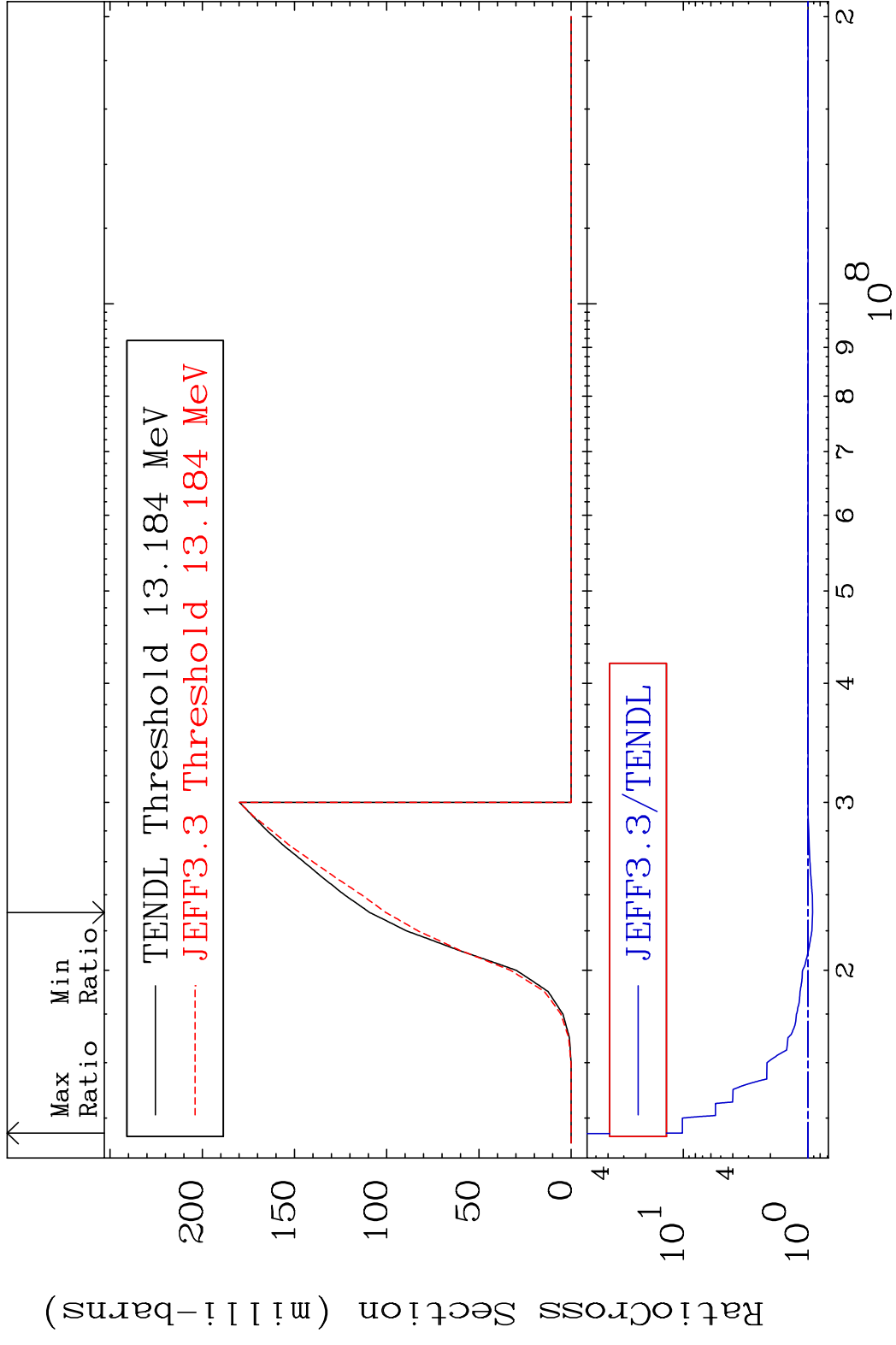


MAT 4122

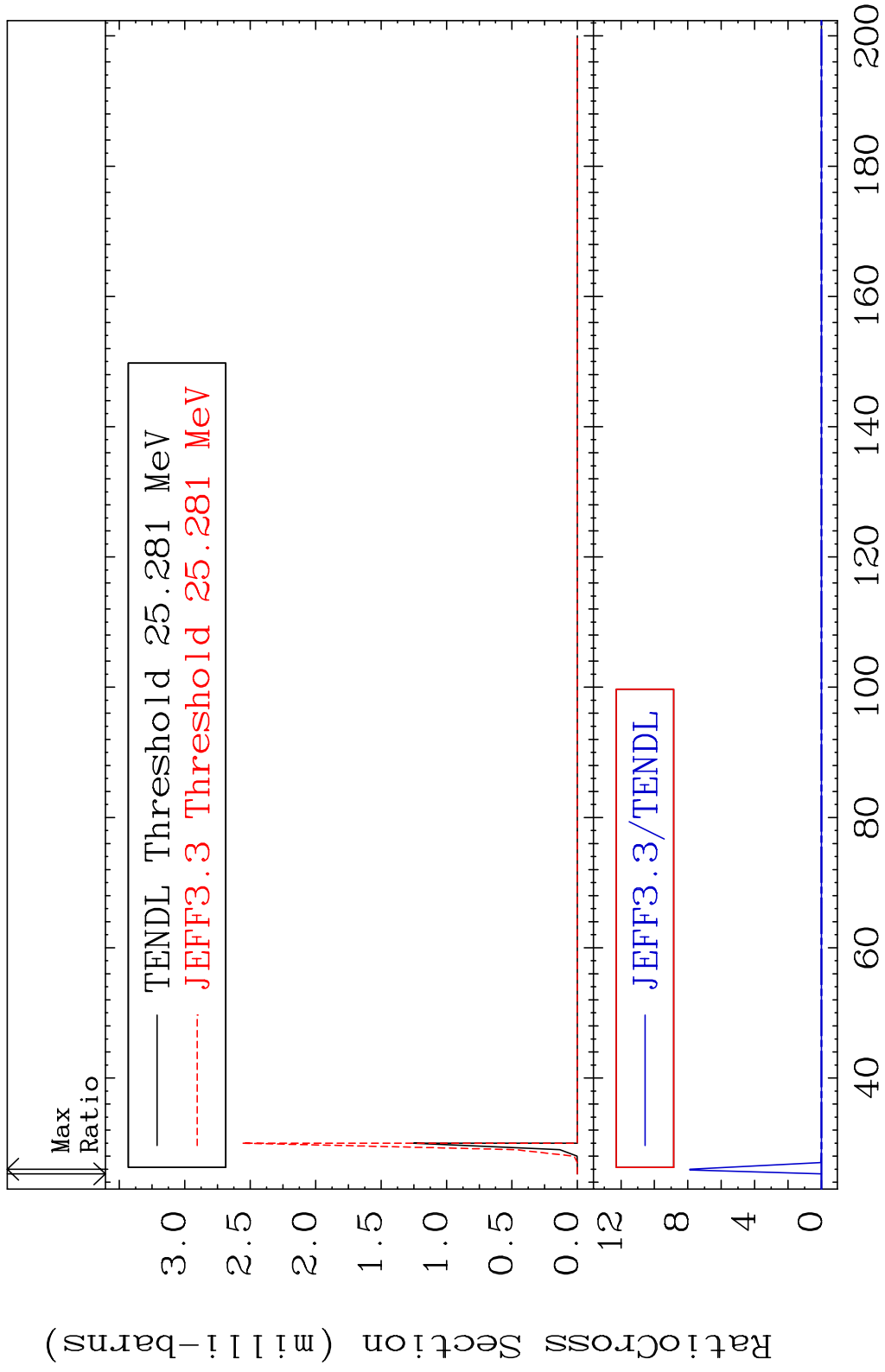
(n,2n) p

41-Nb-92

Cross Section -8.027 To 916.5 %



MAT 4122 (n,3n) p 41-Nb-92
 Cross Section -100.0 To 9999. %

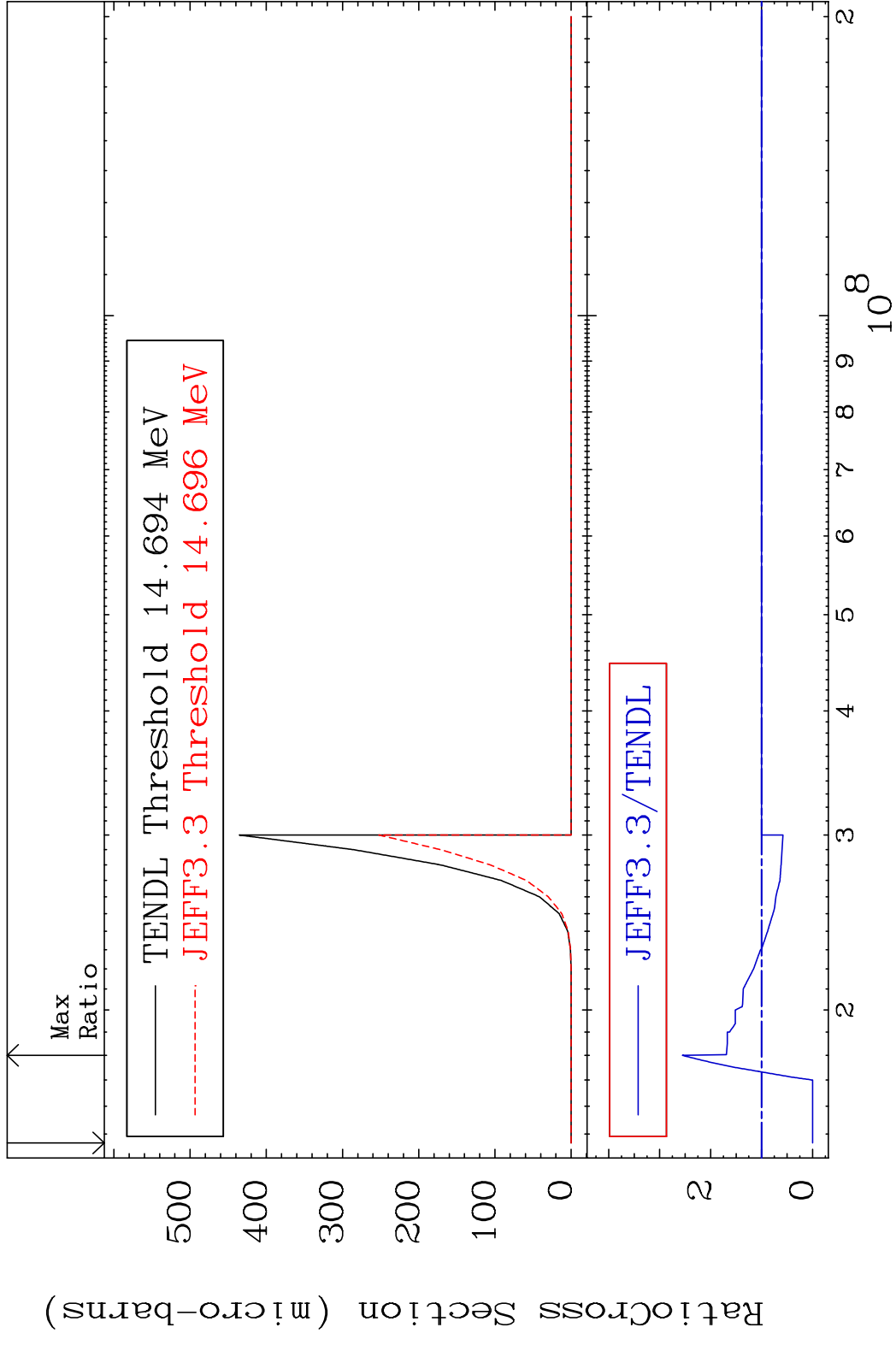


MAT 4122

(n,2n) p

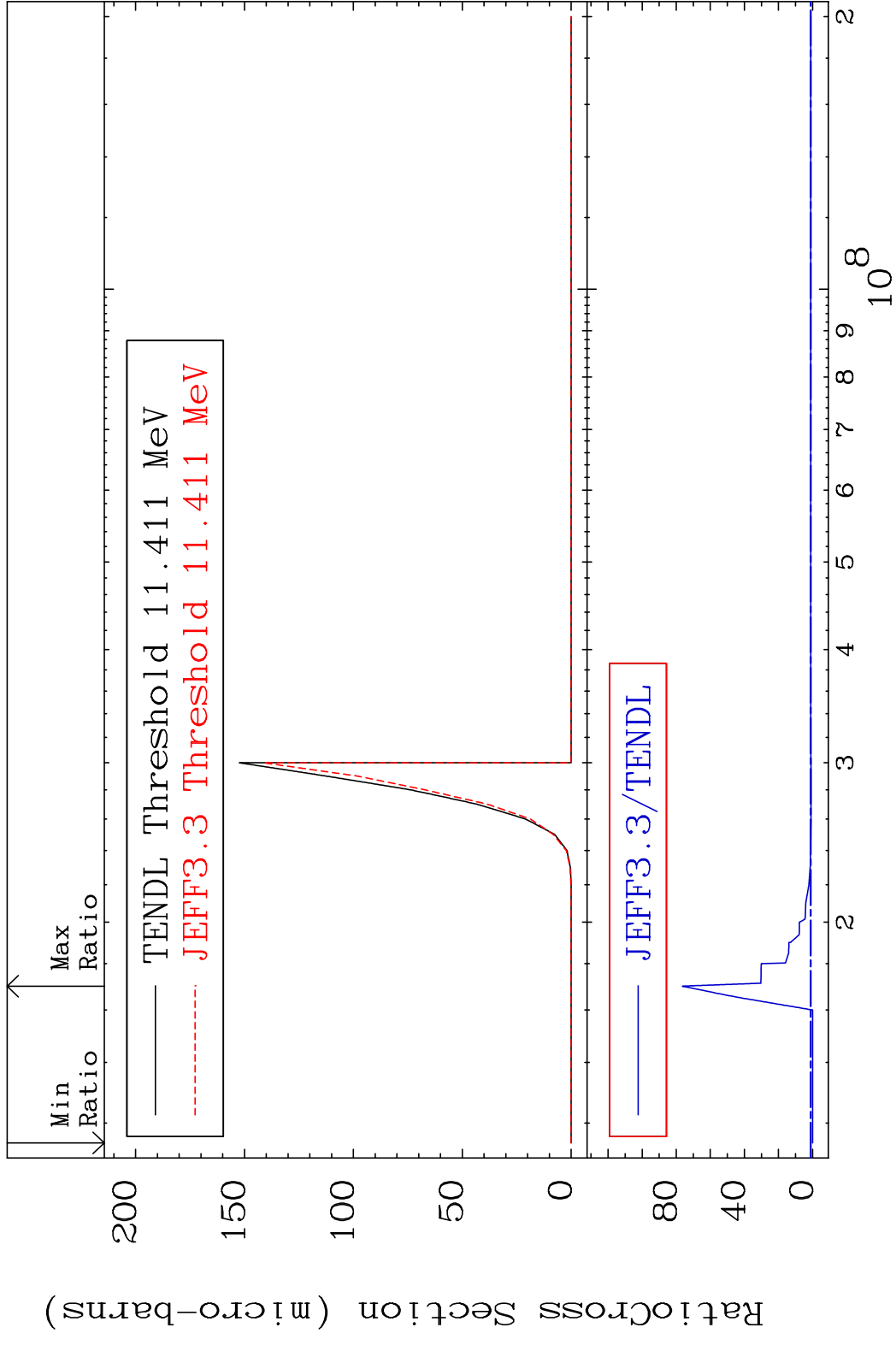
41-Nb-92

Cross Section -100.0 To 155.5 %

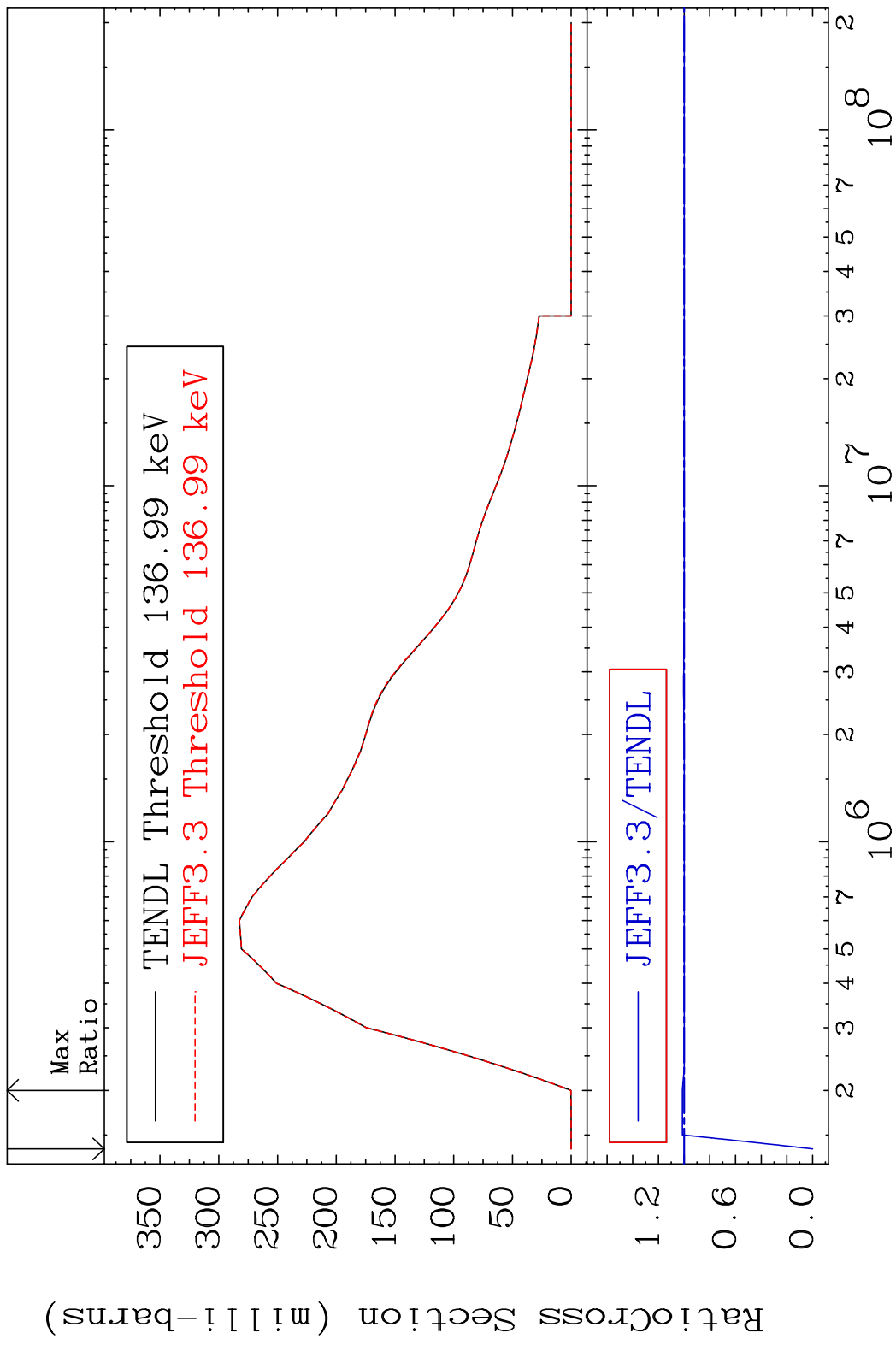


MAT 4122

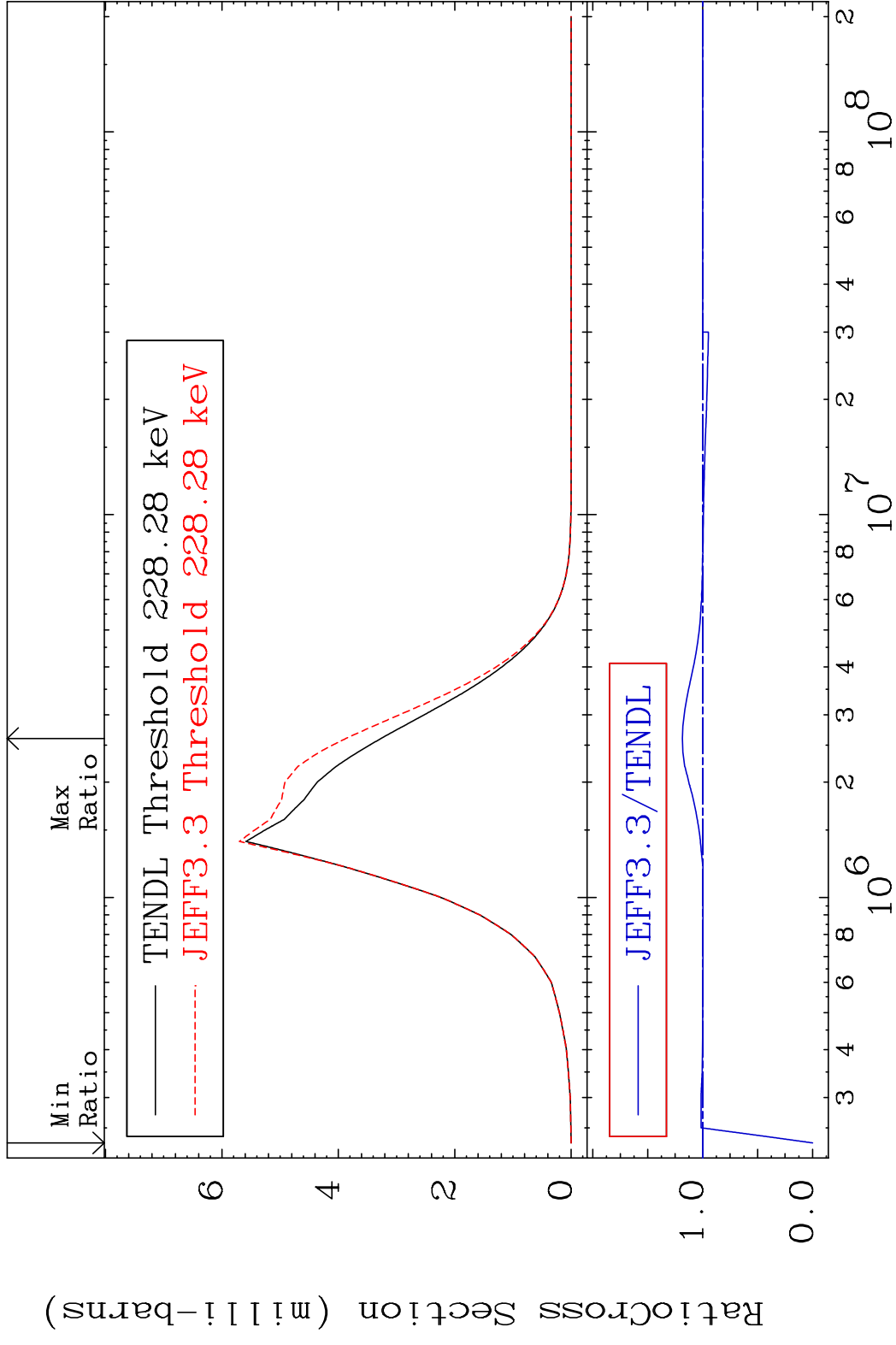
(n,n') p α 41-Nb-92
Cross Section -100.0 To 7541. %



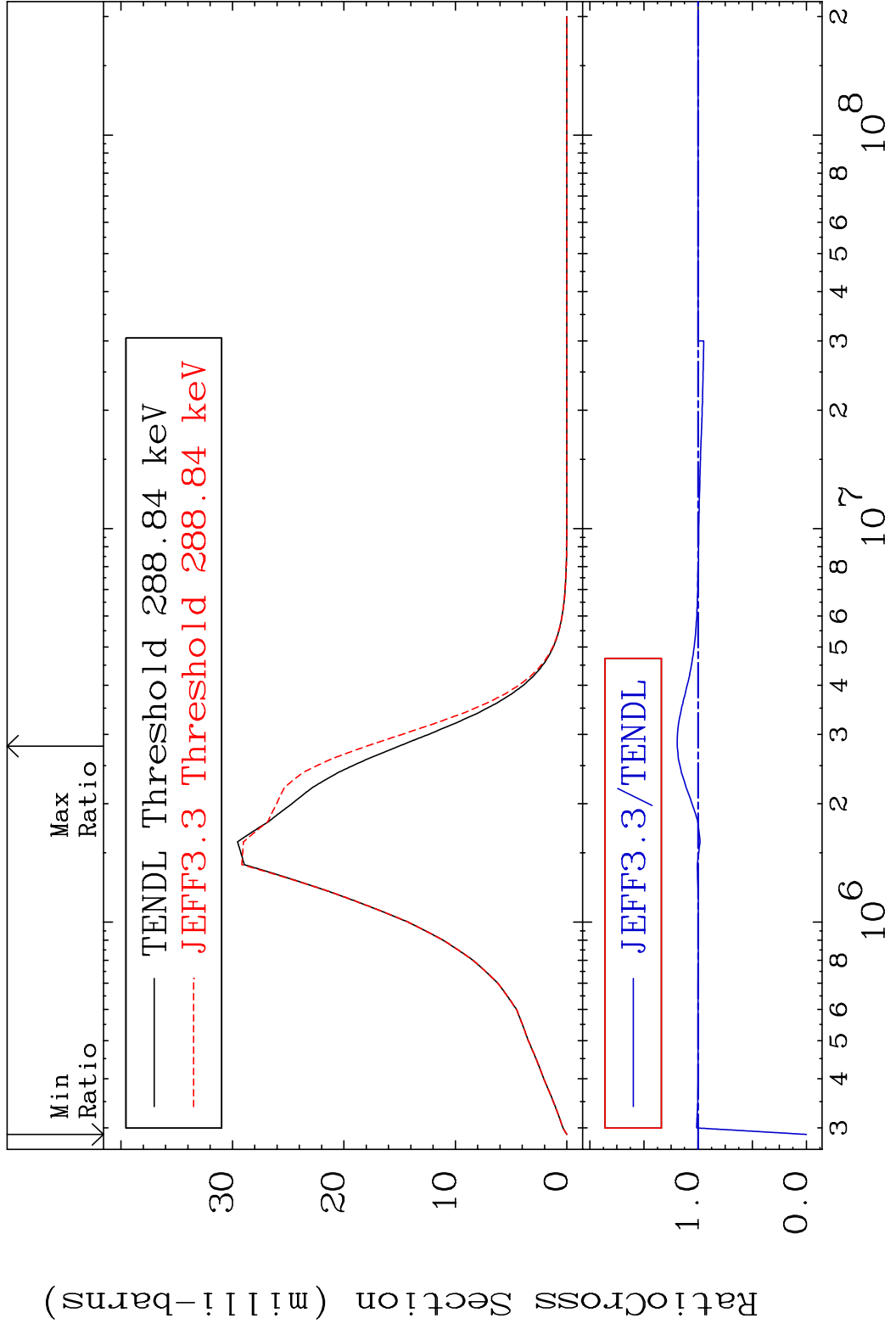
MAT 4122 MT= 51 (n,n') Level 41-Nb-92
 Cross Section -100.0 To 1.373 %



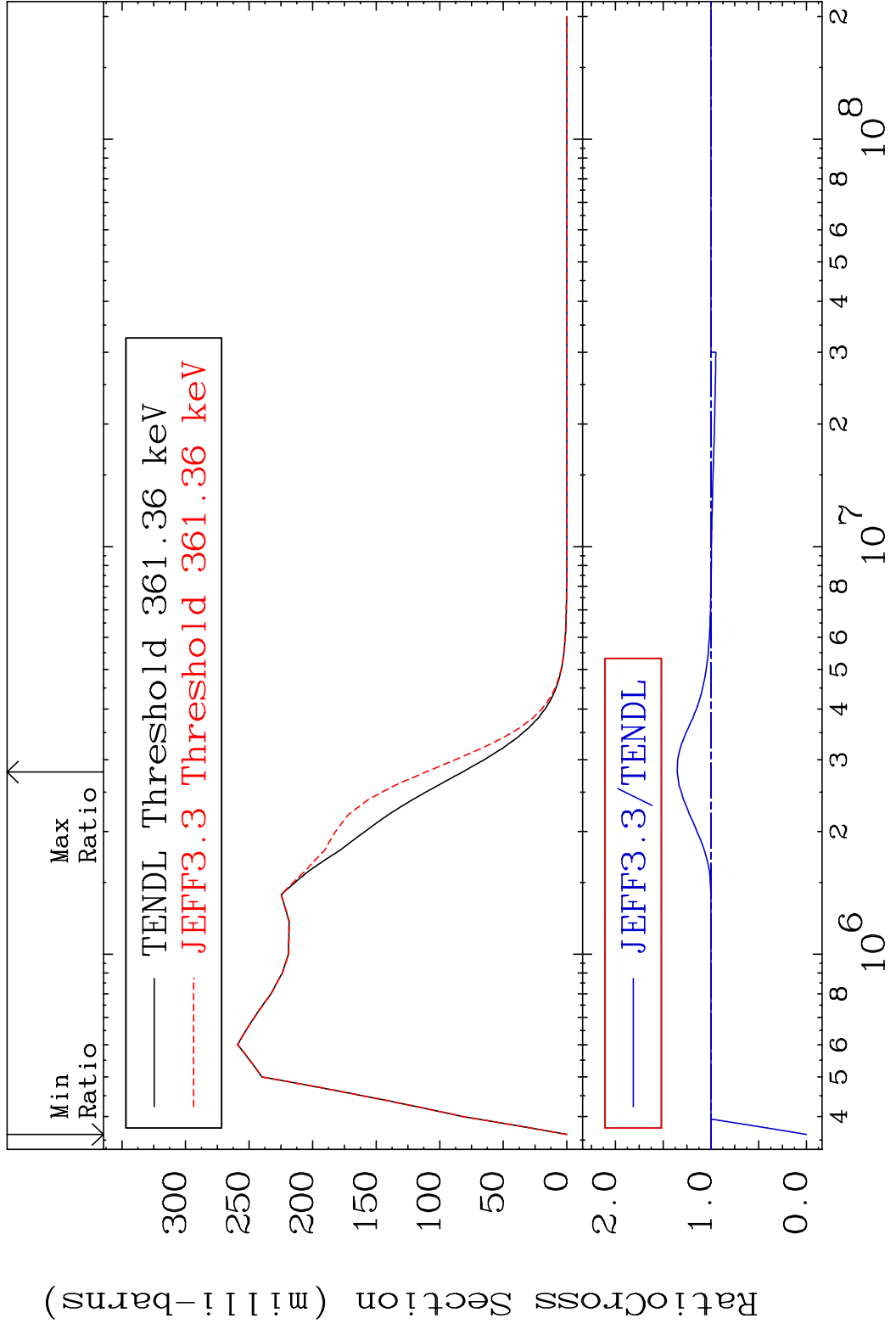
MAT 4122 MT= 52 (n,n') Level 41-Nb-92
 Cross Section -100.0 To 18.49 %



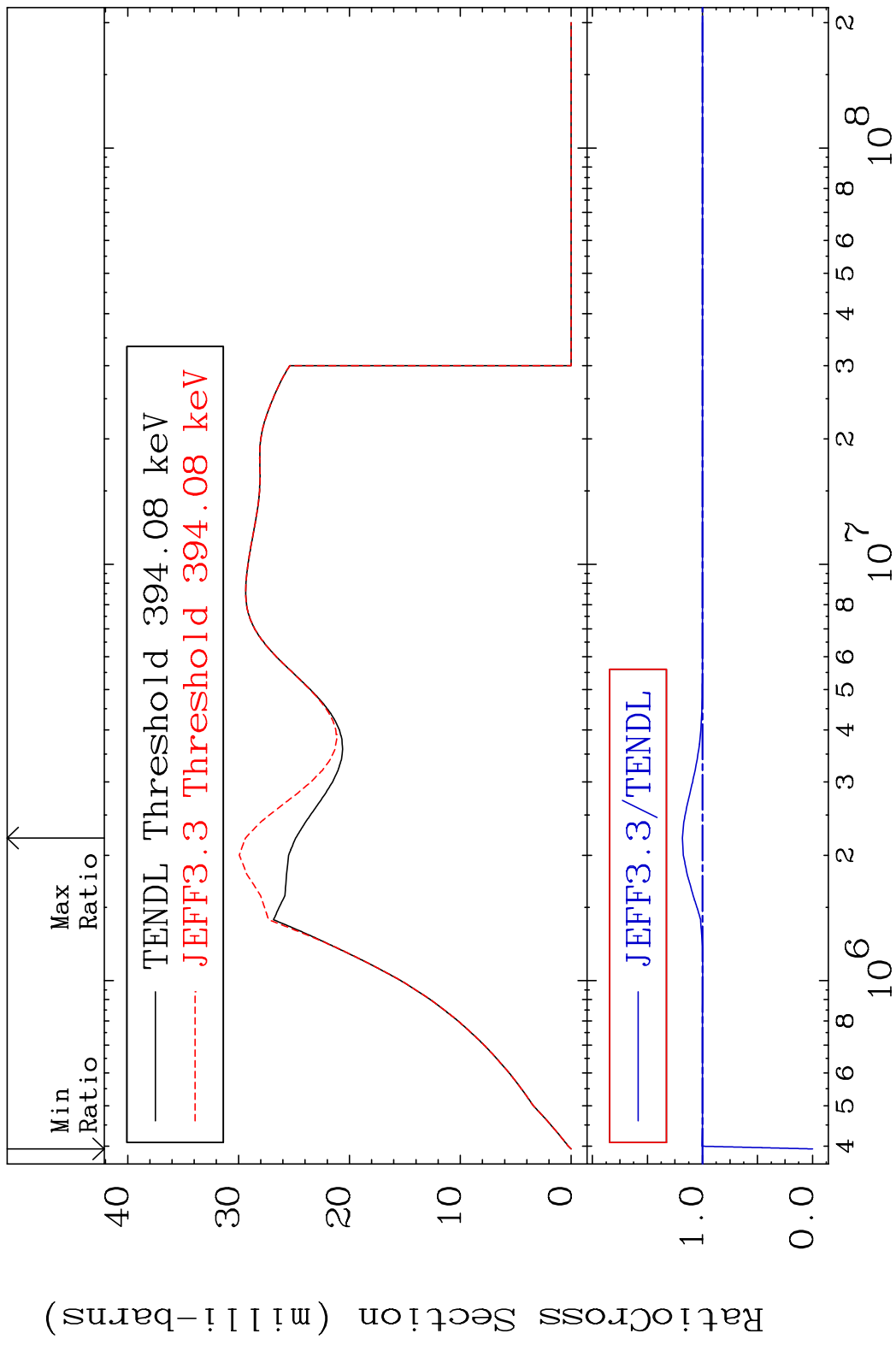
MAT 4122 MT= 53 (n,n') Level 41-Nb-92
 Cross Section -100.0 To 19.32 %



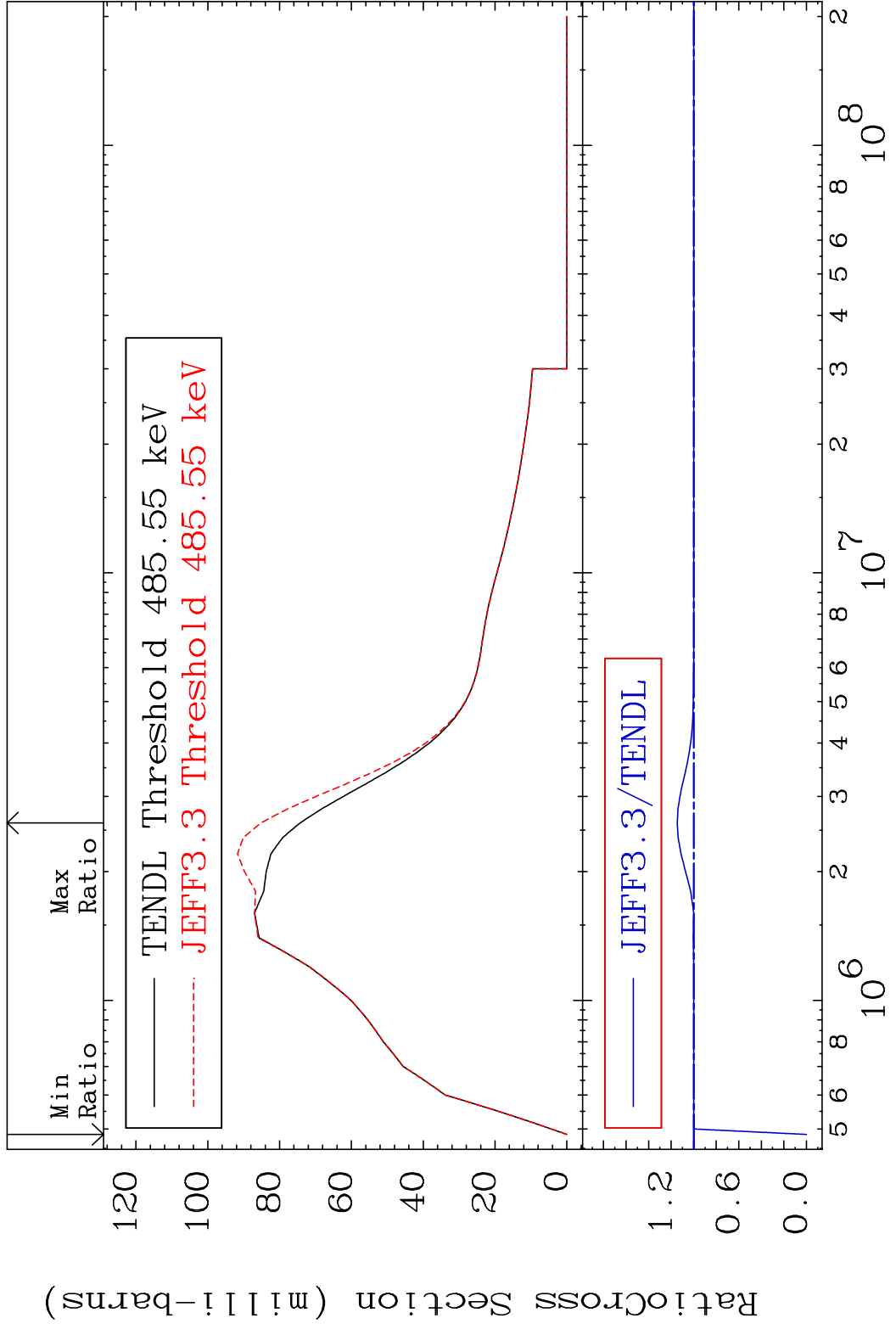
MAT 4122 MT= 54 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 35.32 %



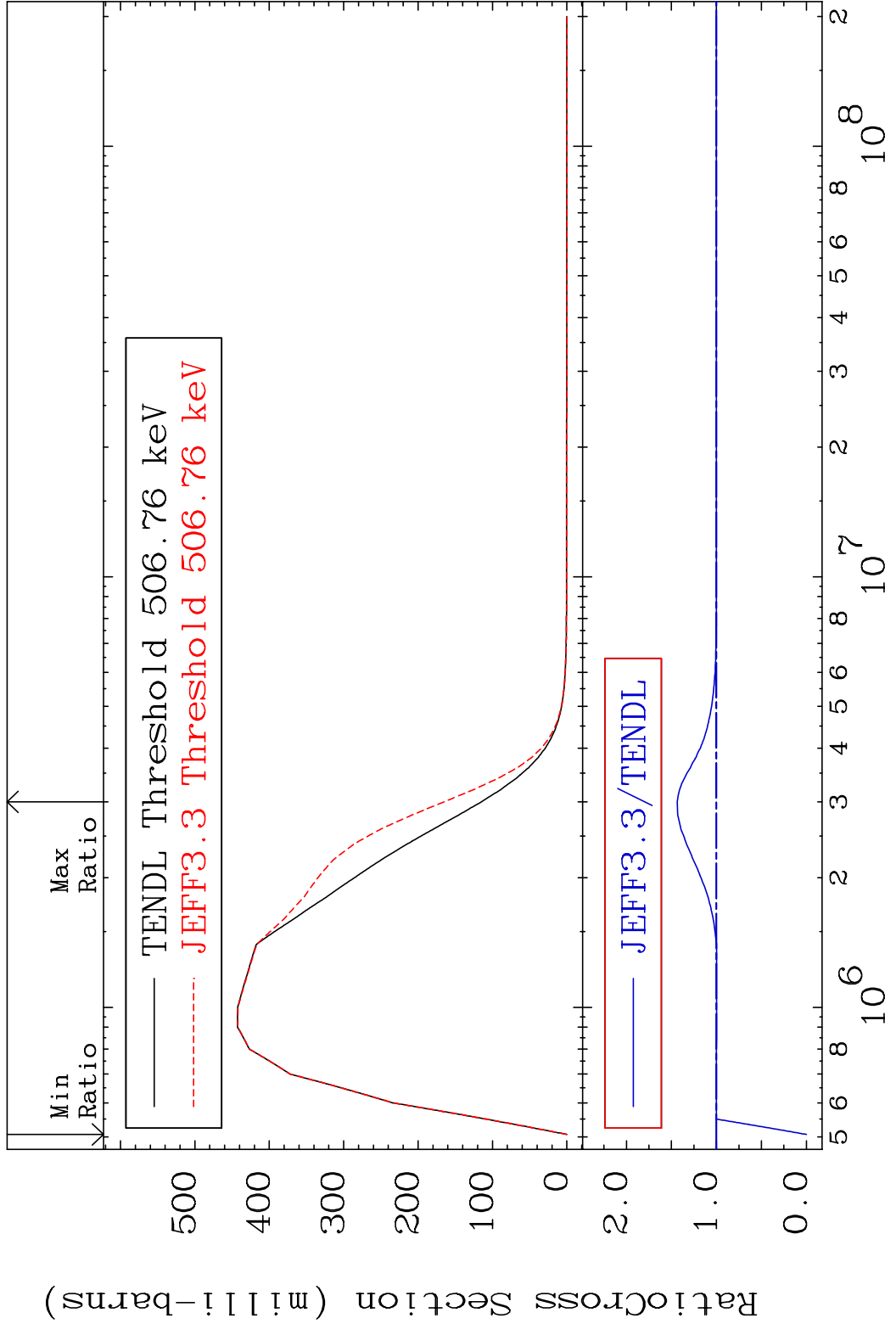
MAT 4122 MT= 55 (n,n') Level 41-Nb-92
 Cross Section -100.0 To 18.28 %



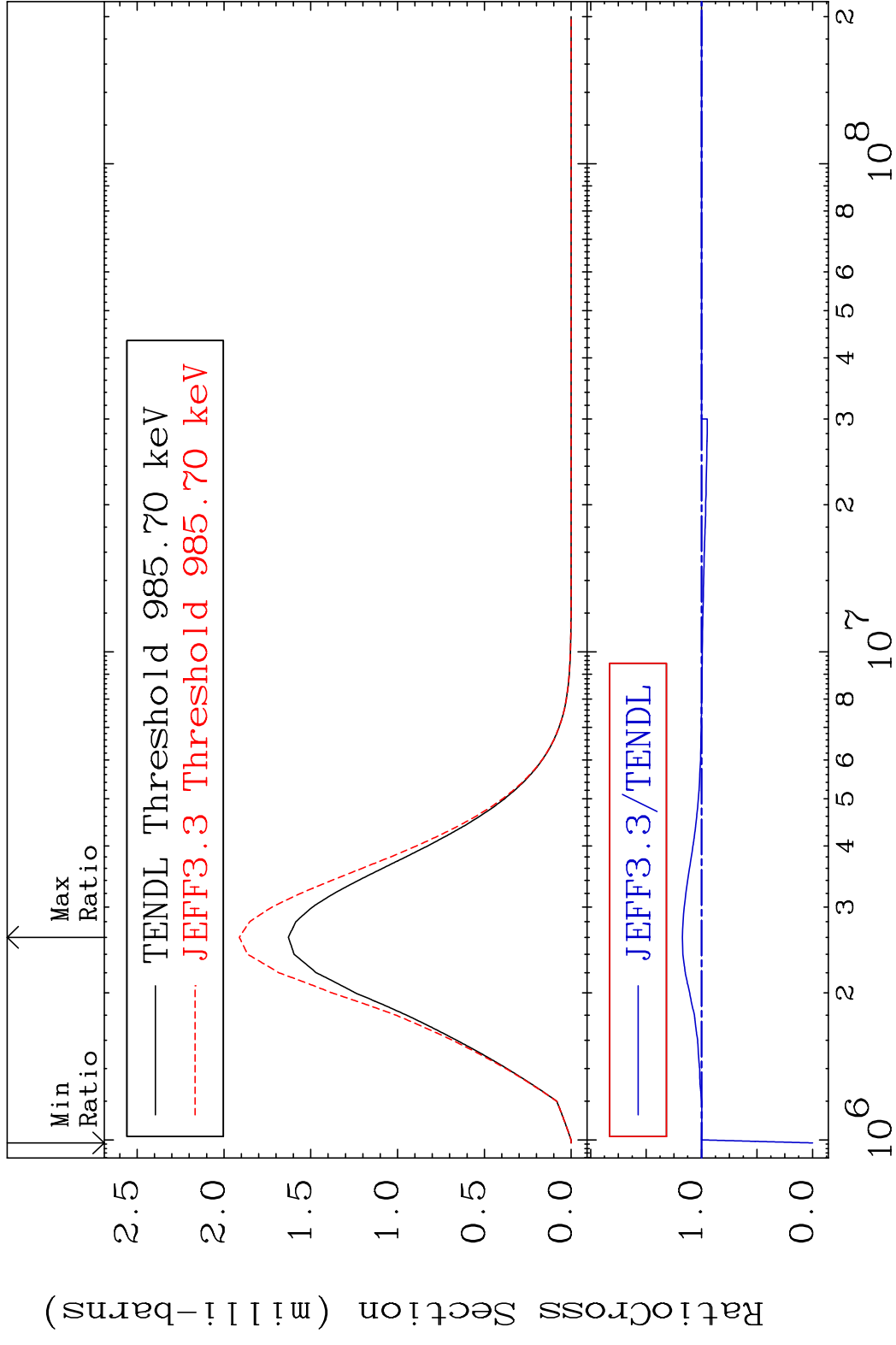
MAT 4122 MT= 56 (n,n') Level 41-Nb-92
 Cross Section -100.0 To 14.65 %



MAT 4122 MT= 57 (n,n') Level 41-Nb-92
 Cross Section -100.0 To 43.62 %

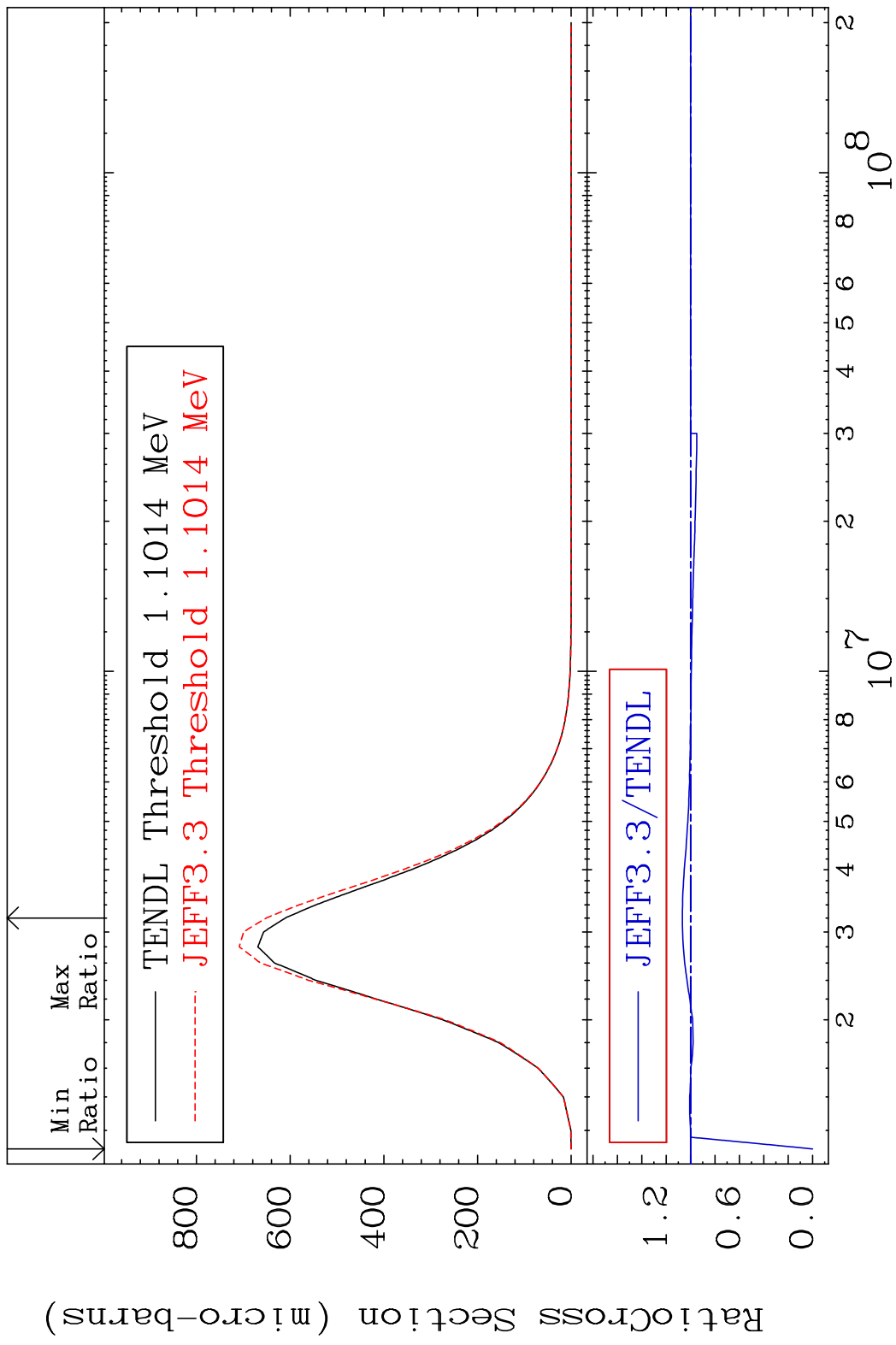


MAT 4122 MT= 58 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 17.33 %



25 Incident Energy (eV) 41-Nb-92

MAT 4122 MT= 59 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 6.694 %

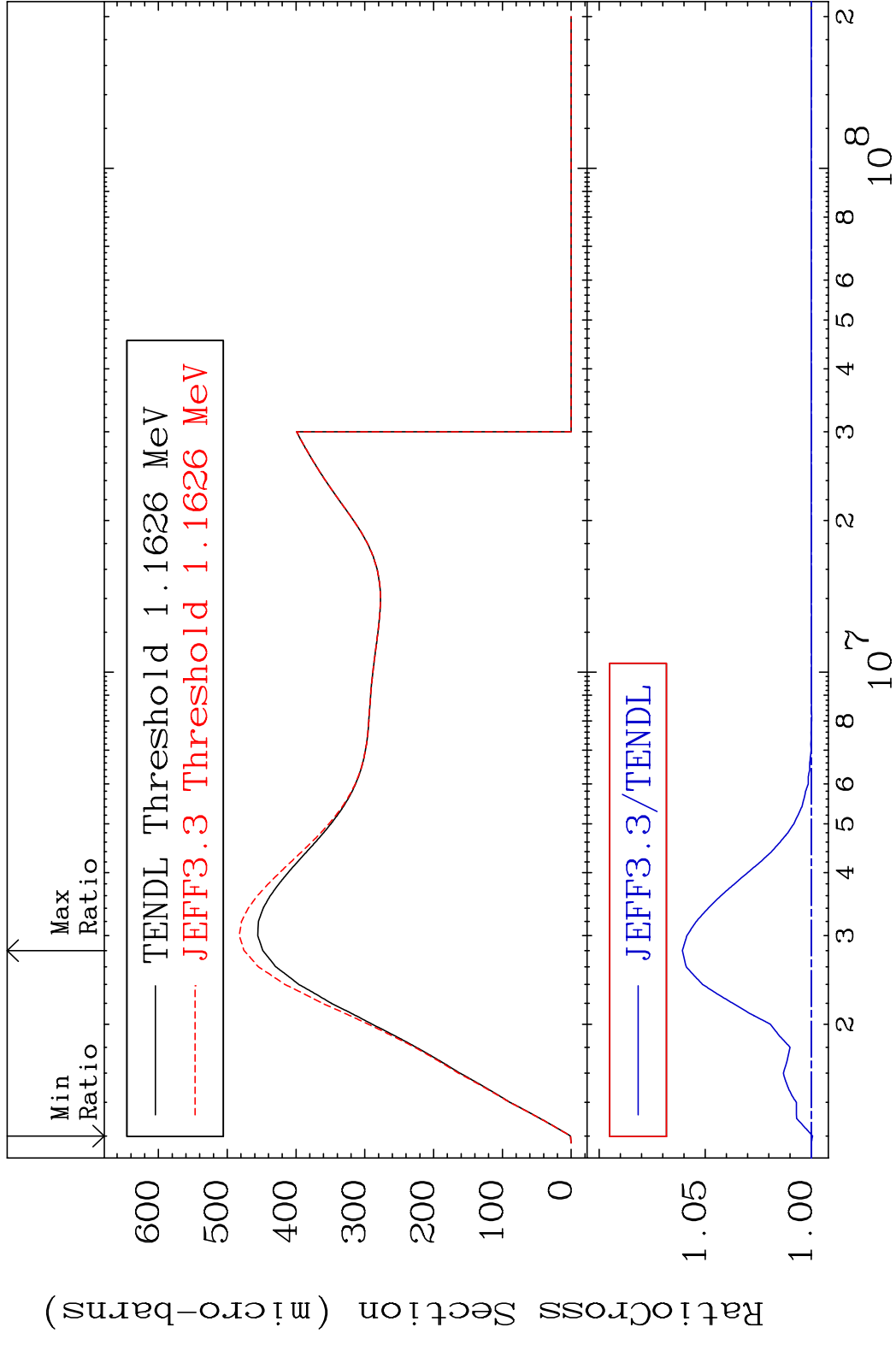


MAT 4122

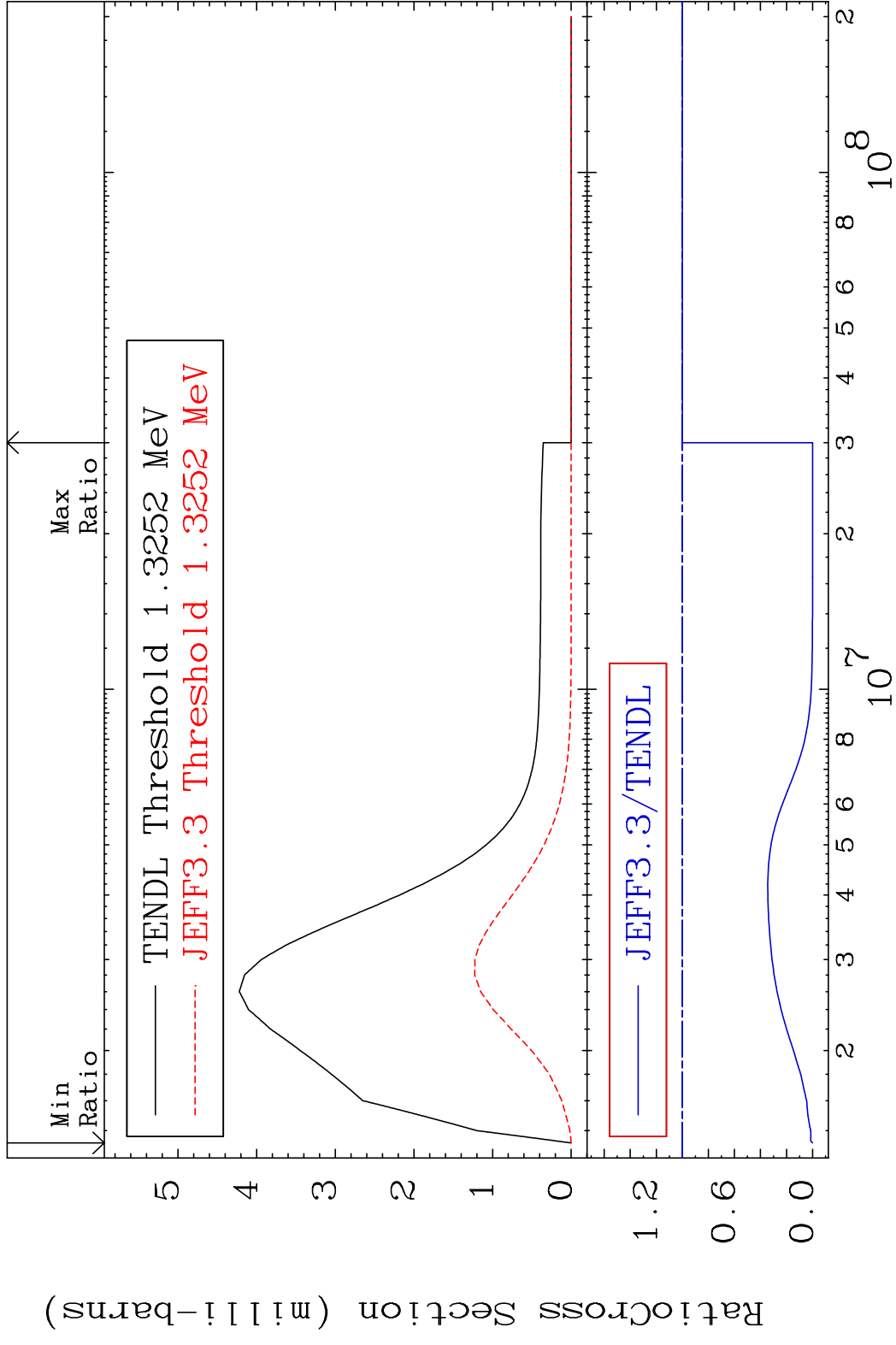
MT= 60 (n, n') Level

41-Nb-92

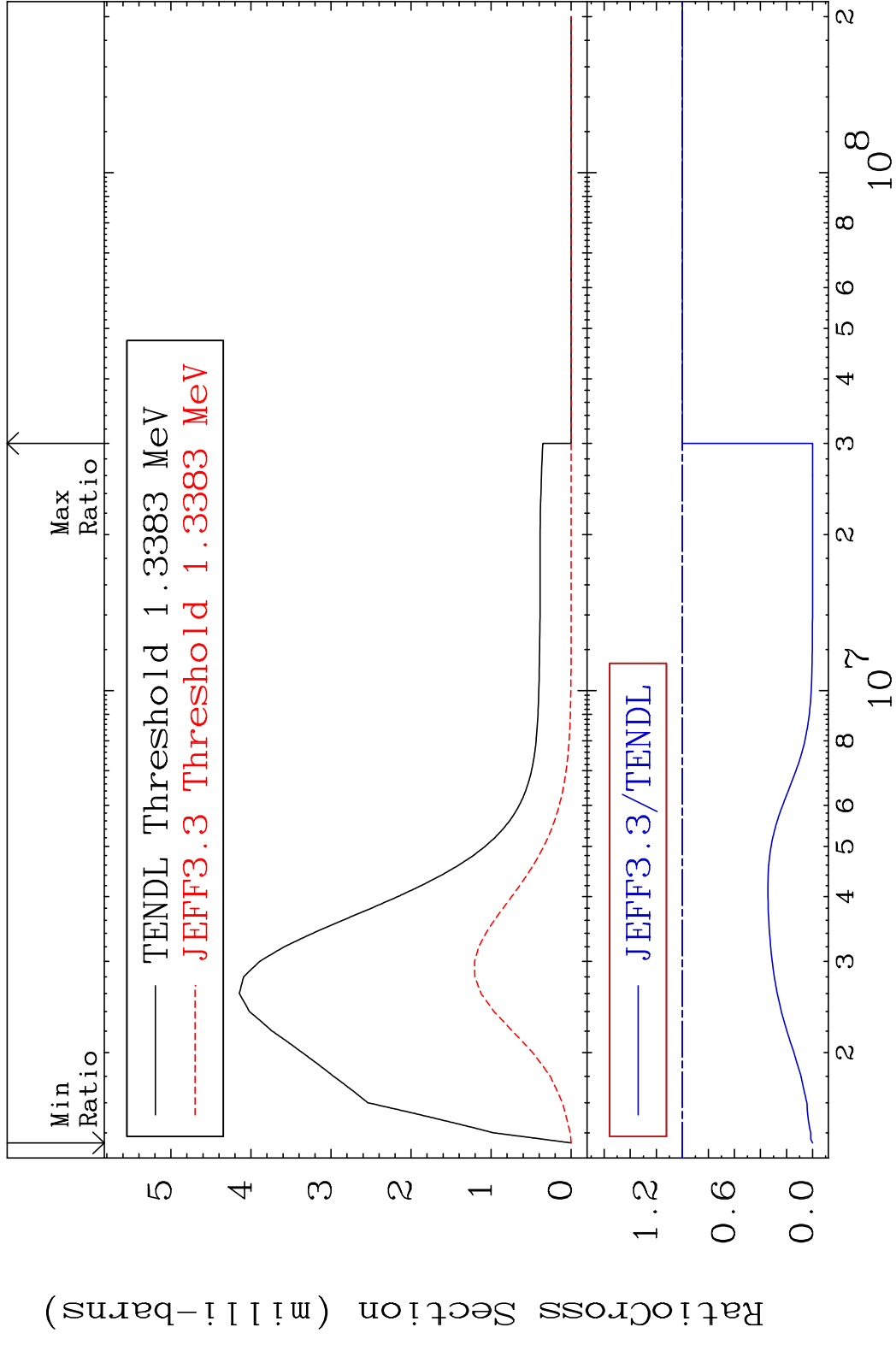
Cross Section -0.057 To 6.079 %



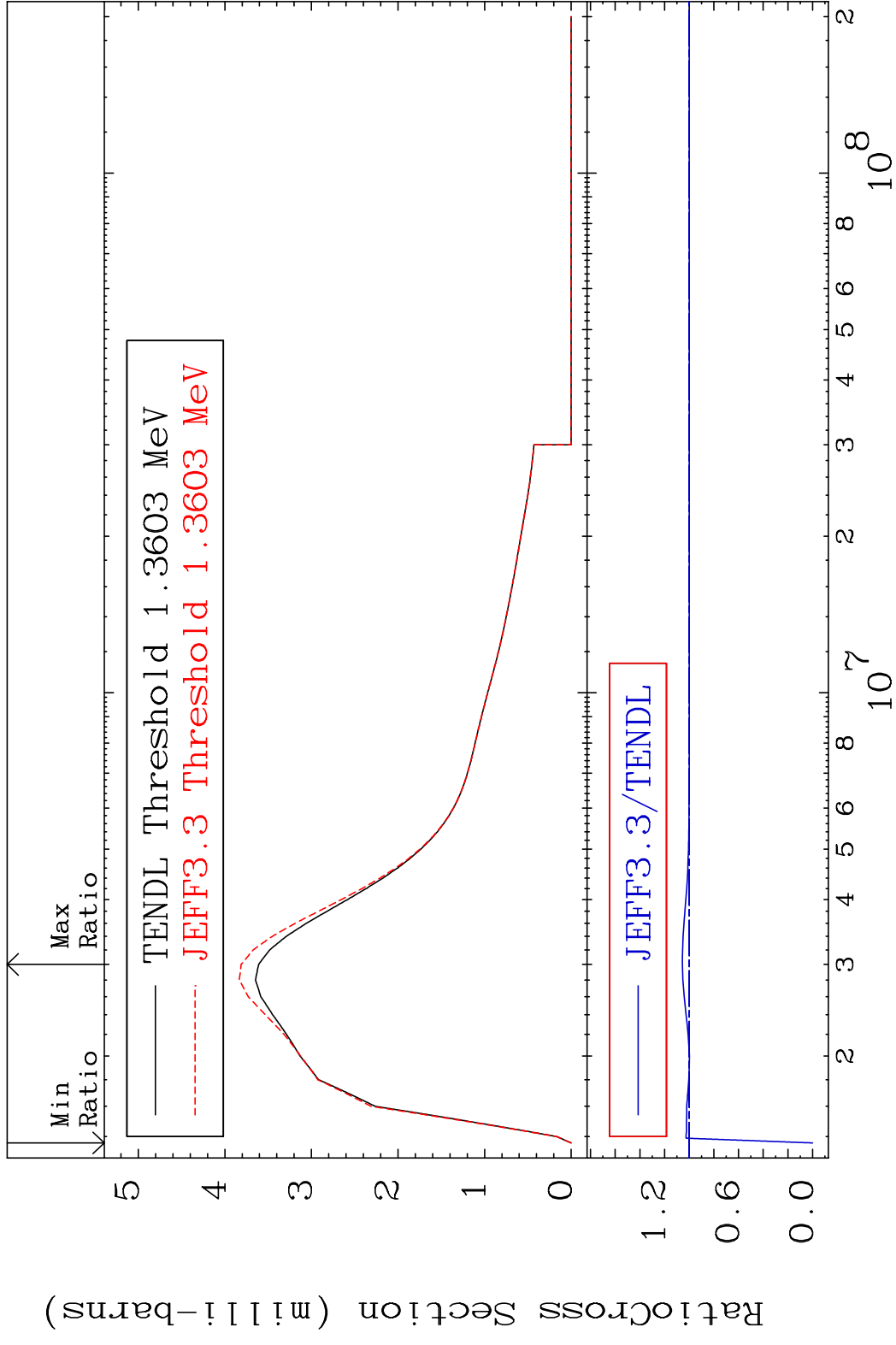
MAT 4122 MT= 61 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.000 %



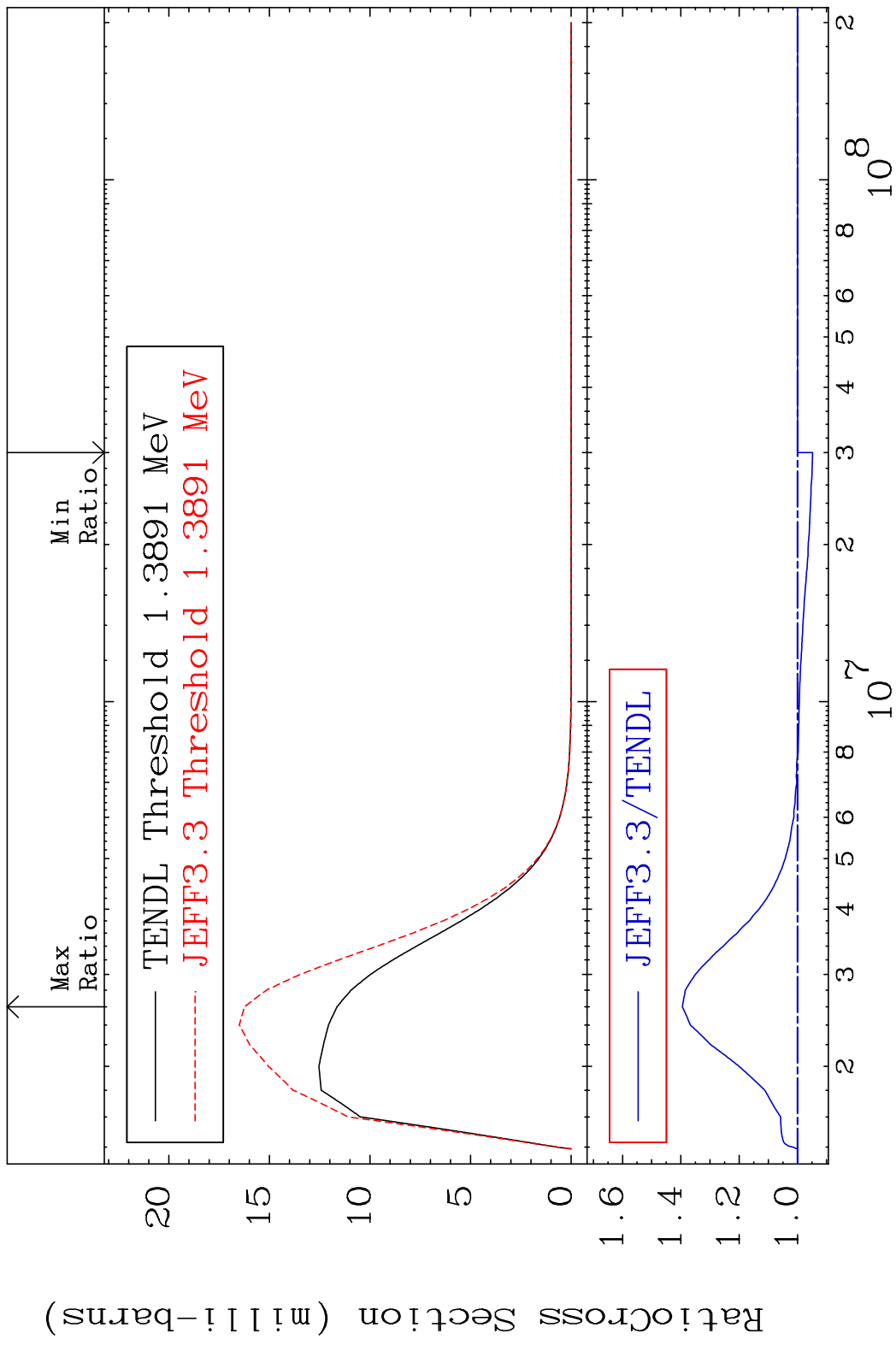
MAT 4122 MT= 62 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.000 %



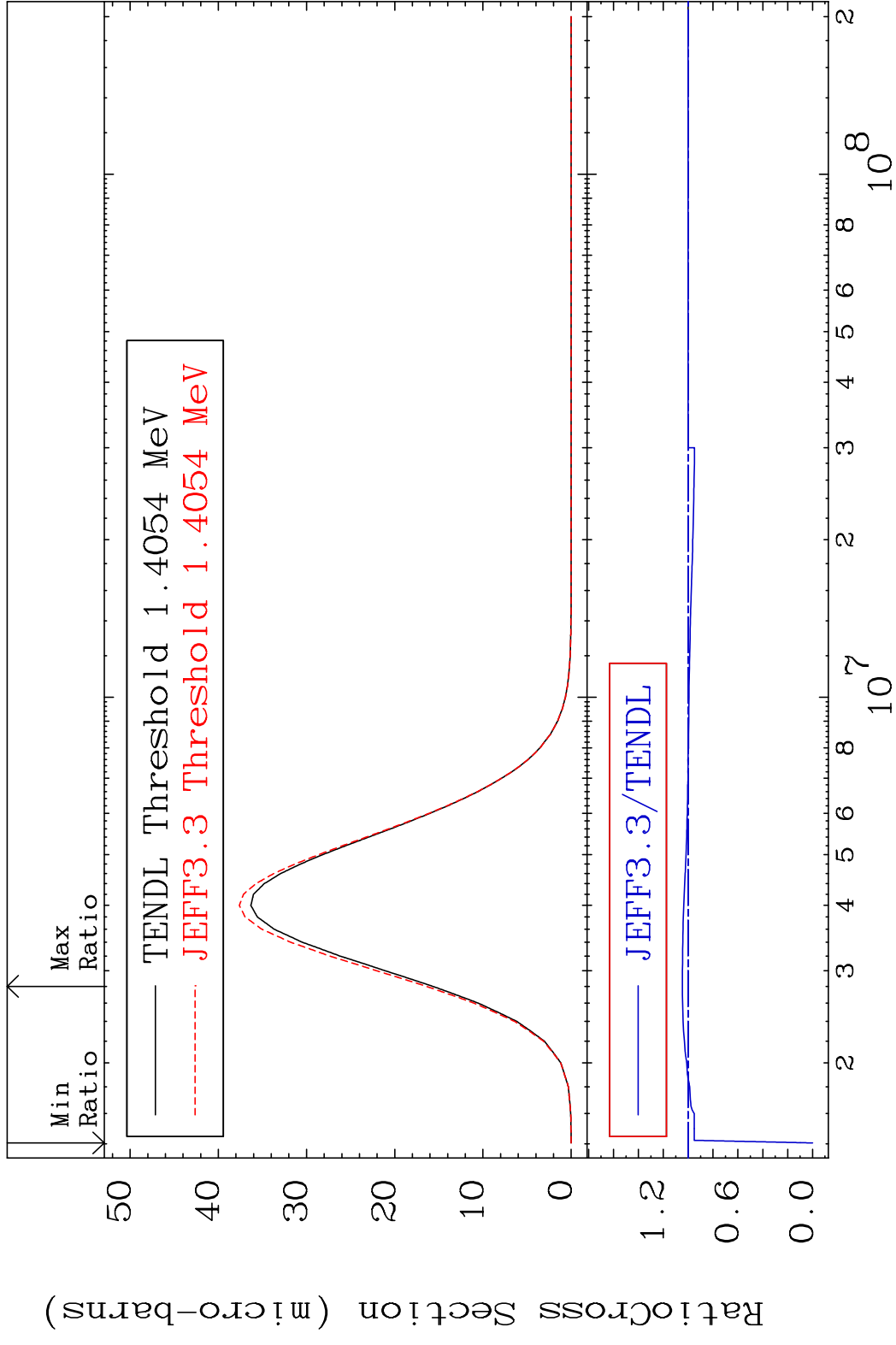
MAT 4122 MT= 63 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 5.560 %



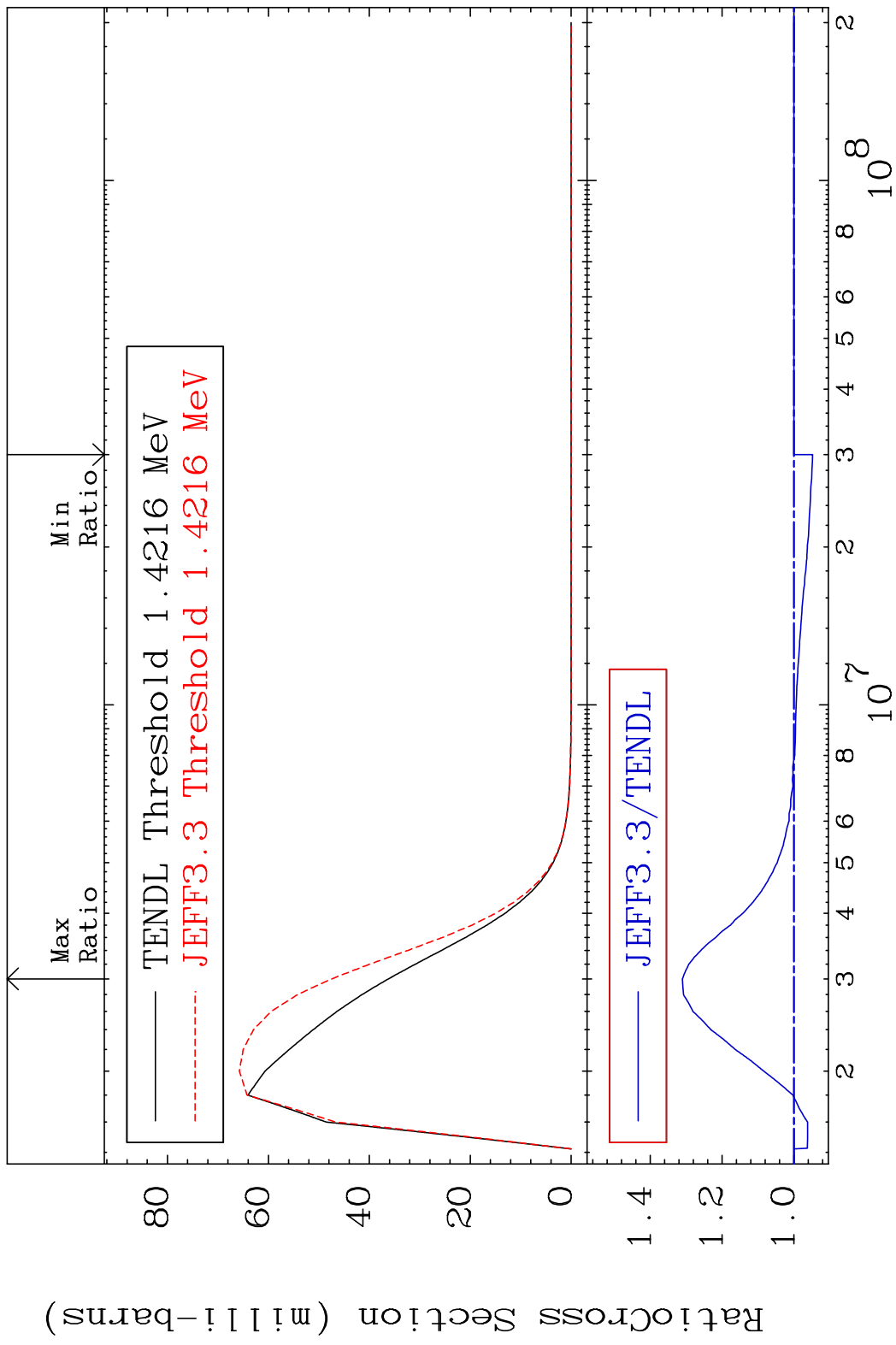
MAT 4122 MT= 64 (n, n') Level 41-Nb-92
 Cross Section -5.181 To 39.48 %



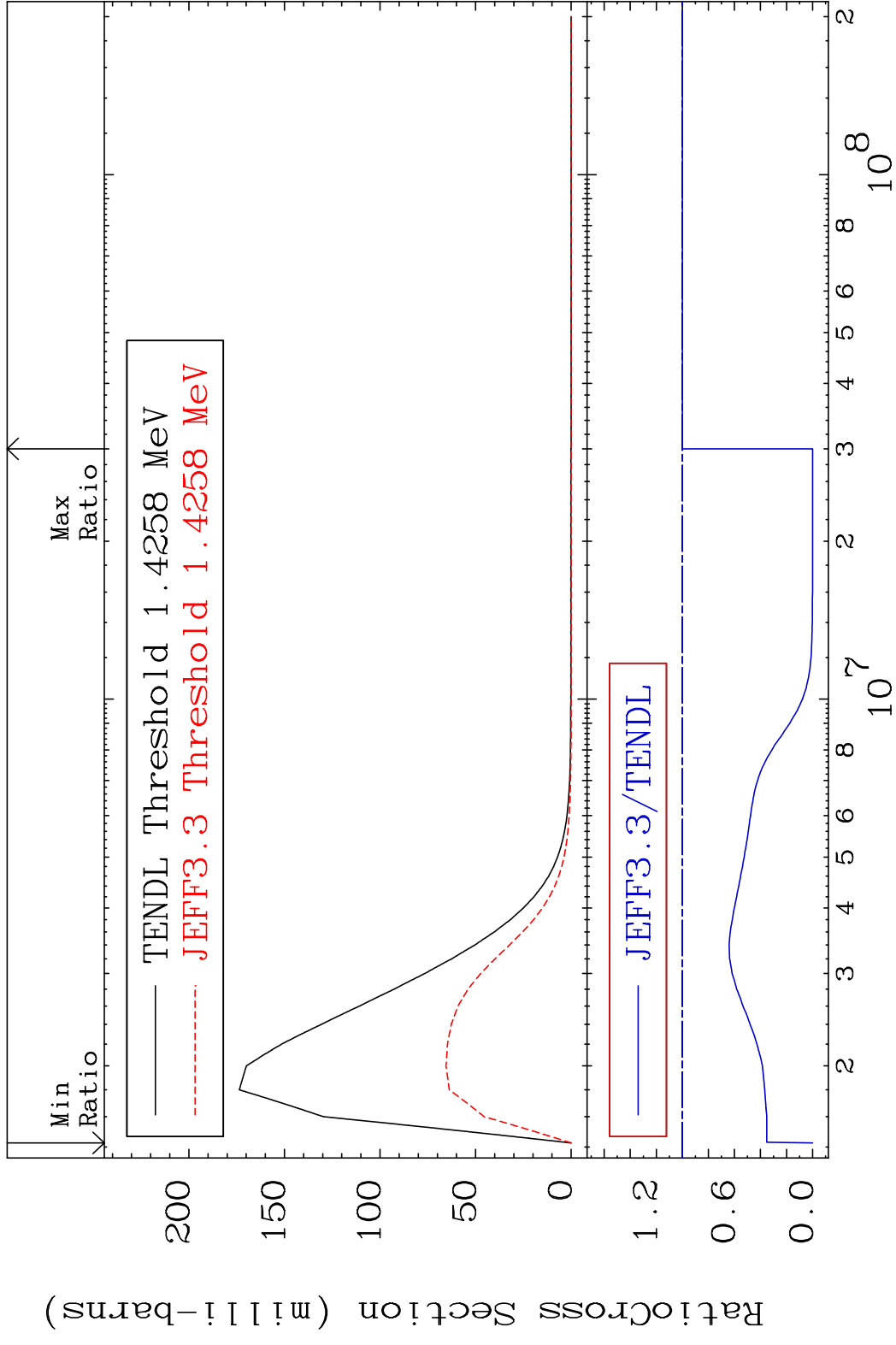
MAT 4122 MT= 65 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 4.664 %



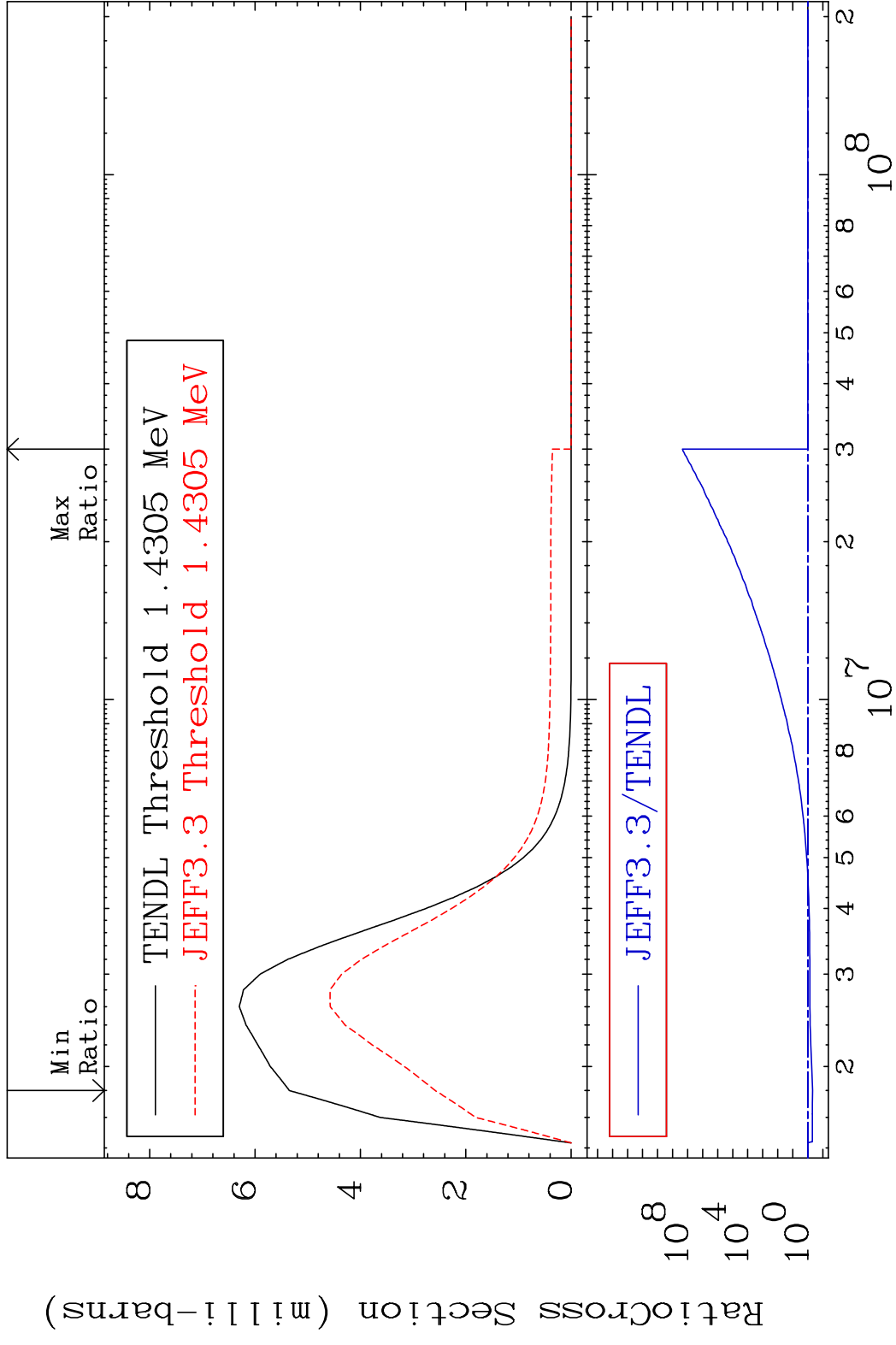
MAT 4122 MT= 66 (n, n') Level 41-Nb-92
 Cross Section -5.184 To 31.07 %



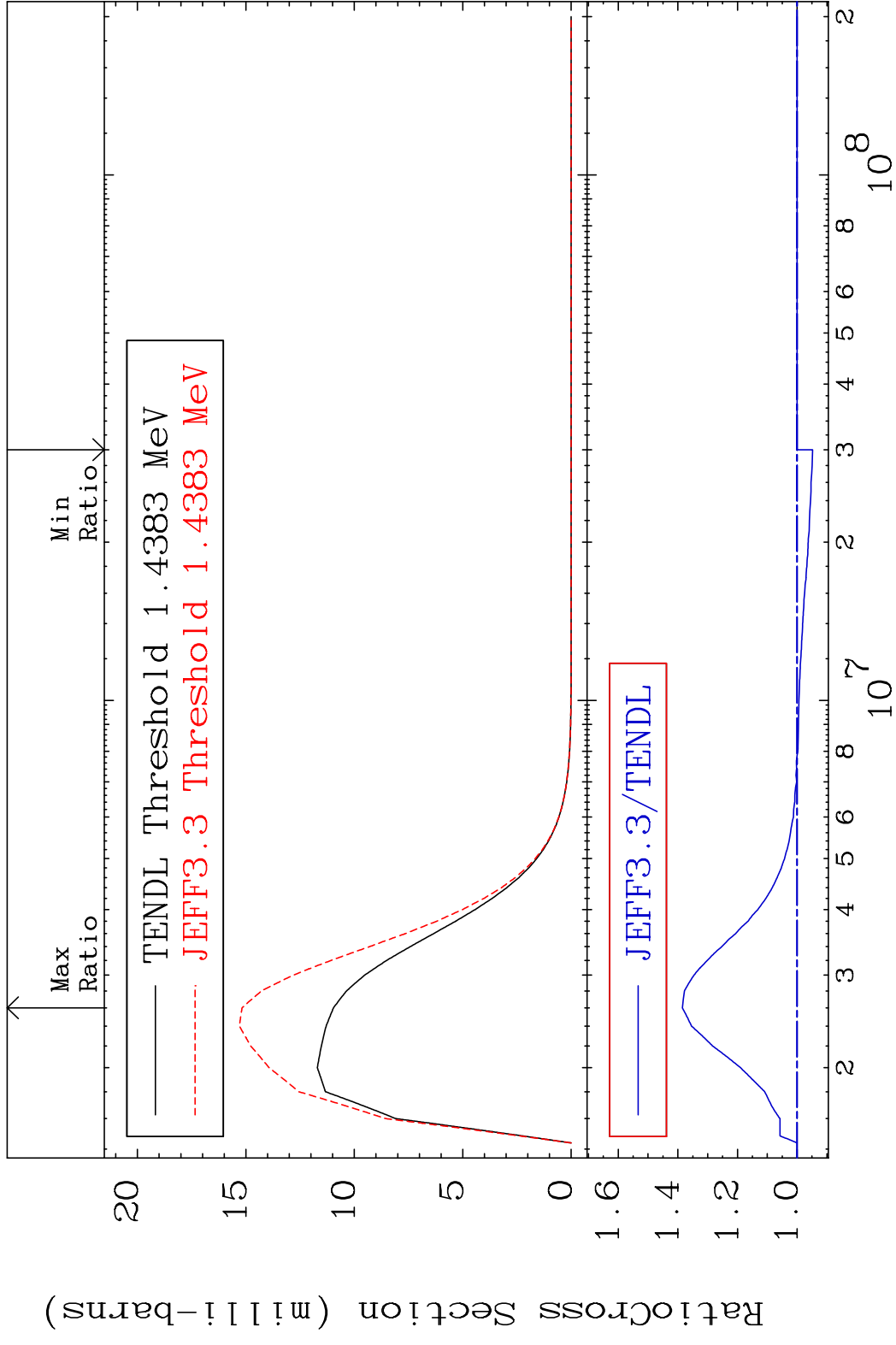
MAT 4122 MT= 67 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.000 %



MAT 4122 MT= 68 (n, n') Level 41-Nb-92
 Cross Section -51.79 To 9999. %



MAT 4122 MT= 69 (n, n') Level 41-Nb-92
 Cross Section -5.181 To 38.50 %

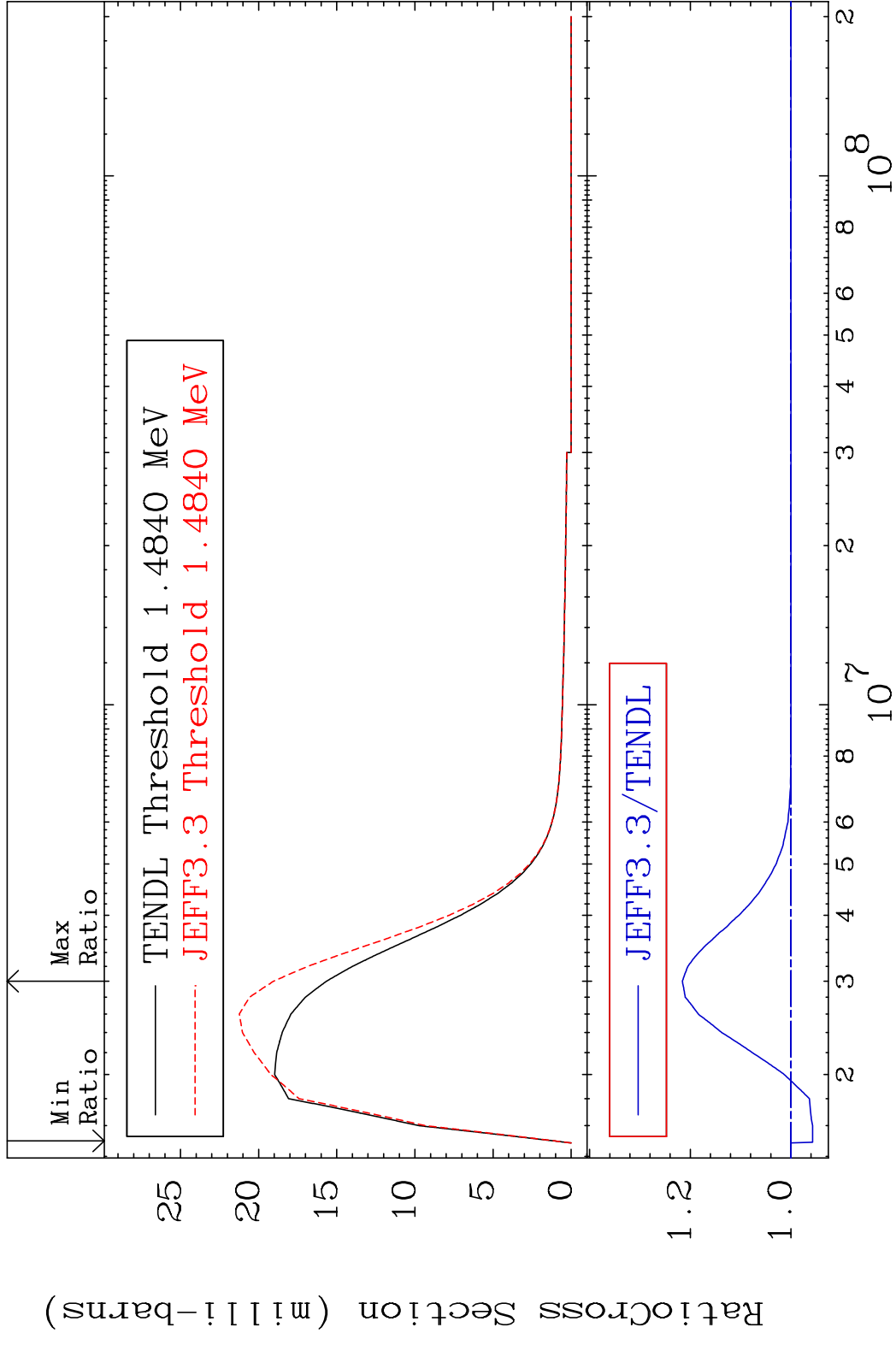


MAT 4122

MT= 70 (n, n') Level

41-Nb-92

Cross Section -4.308 To 21.58 %

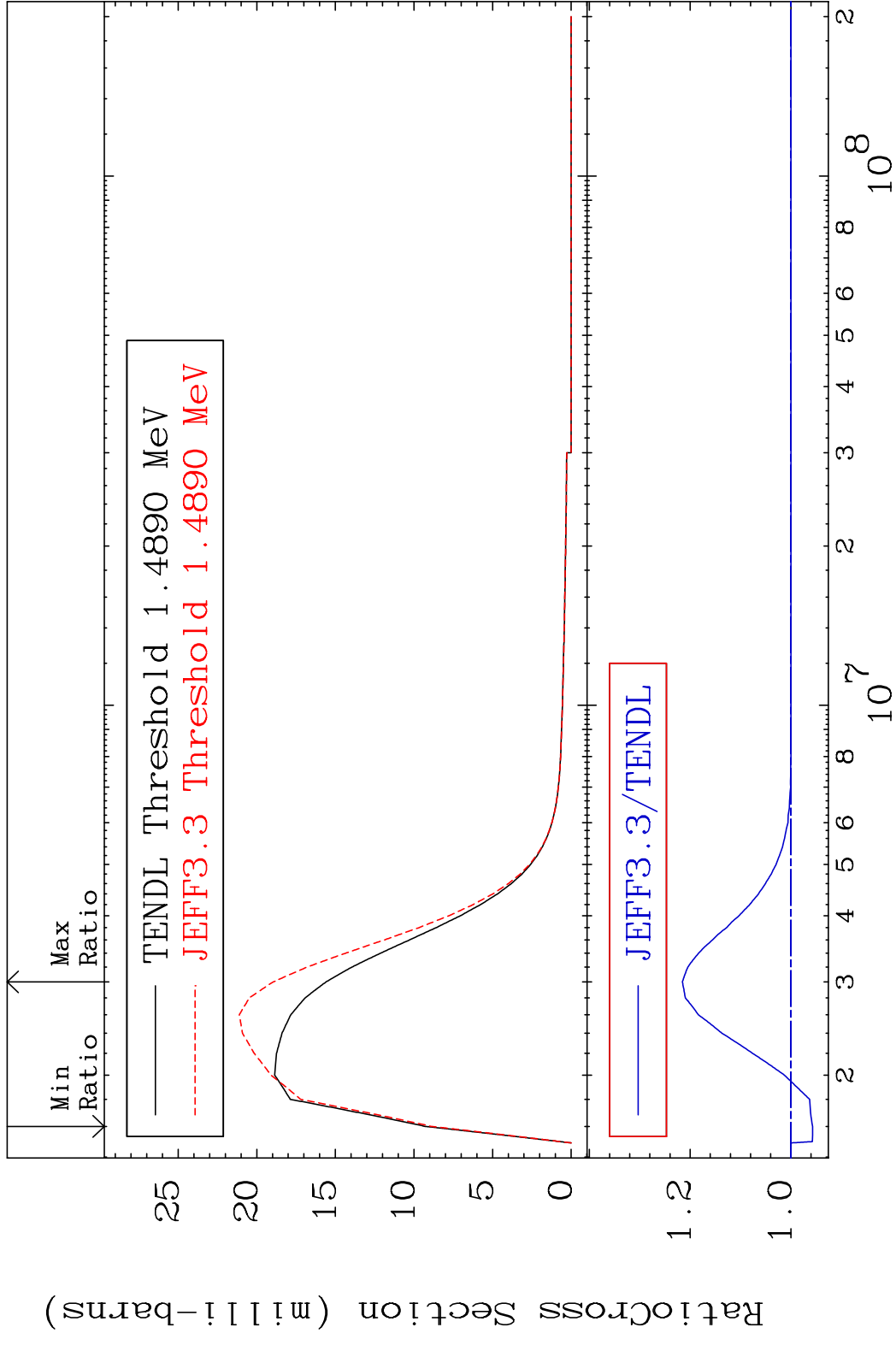


MAT 4122

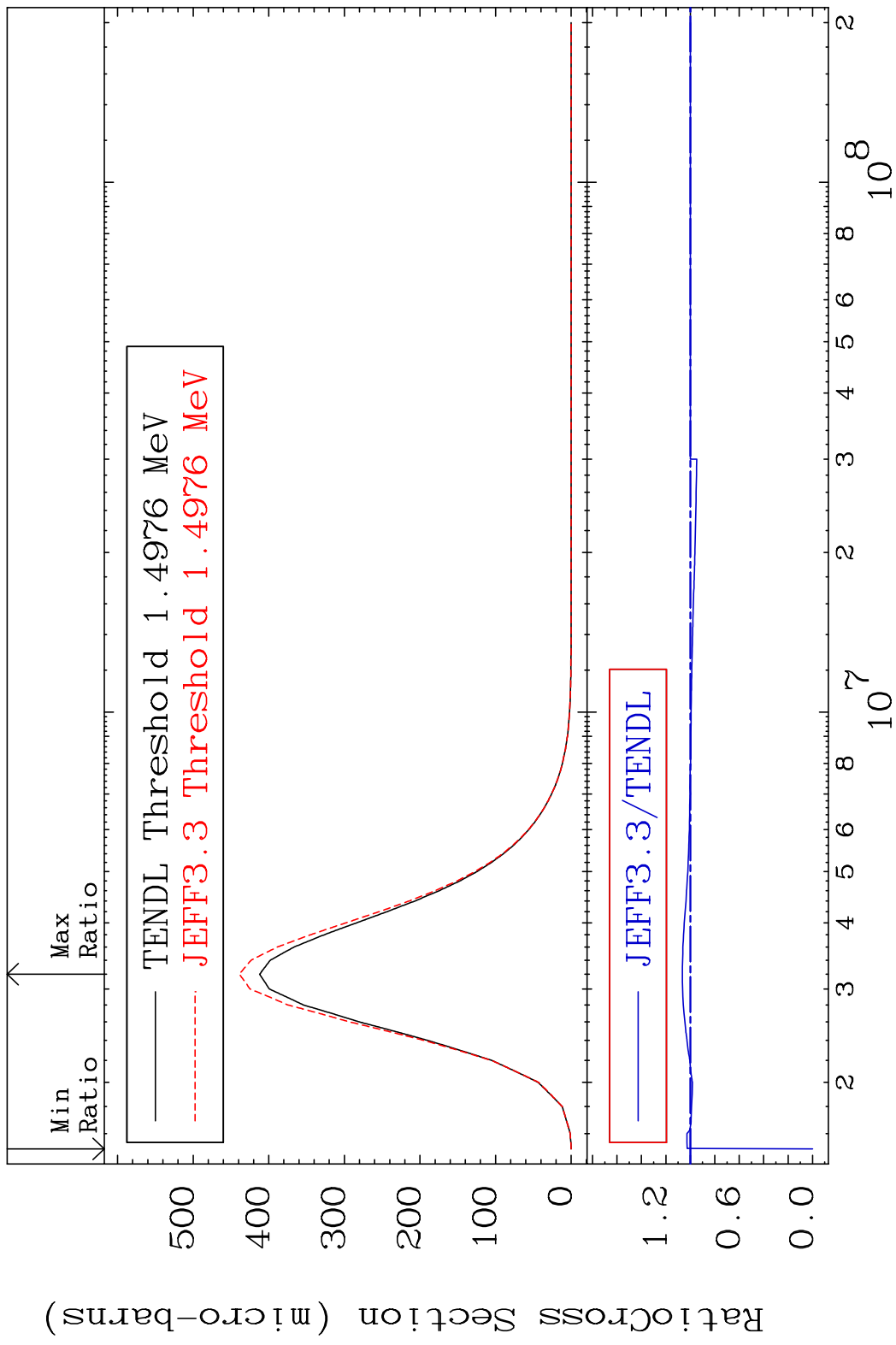
MT= 71 (n, n') Level

41-Nb-92

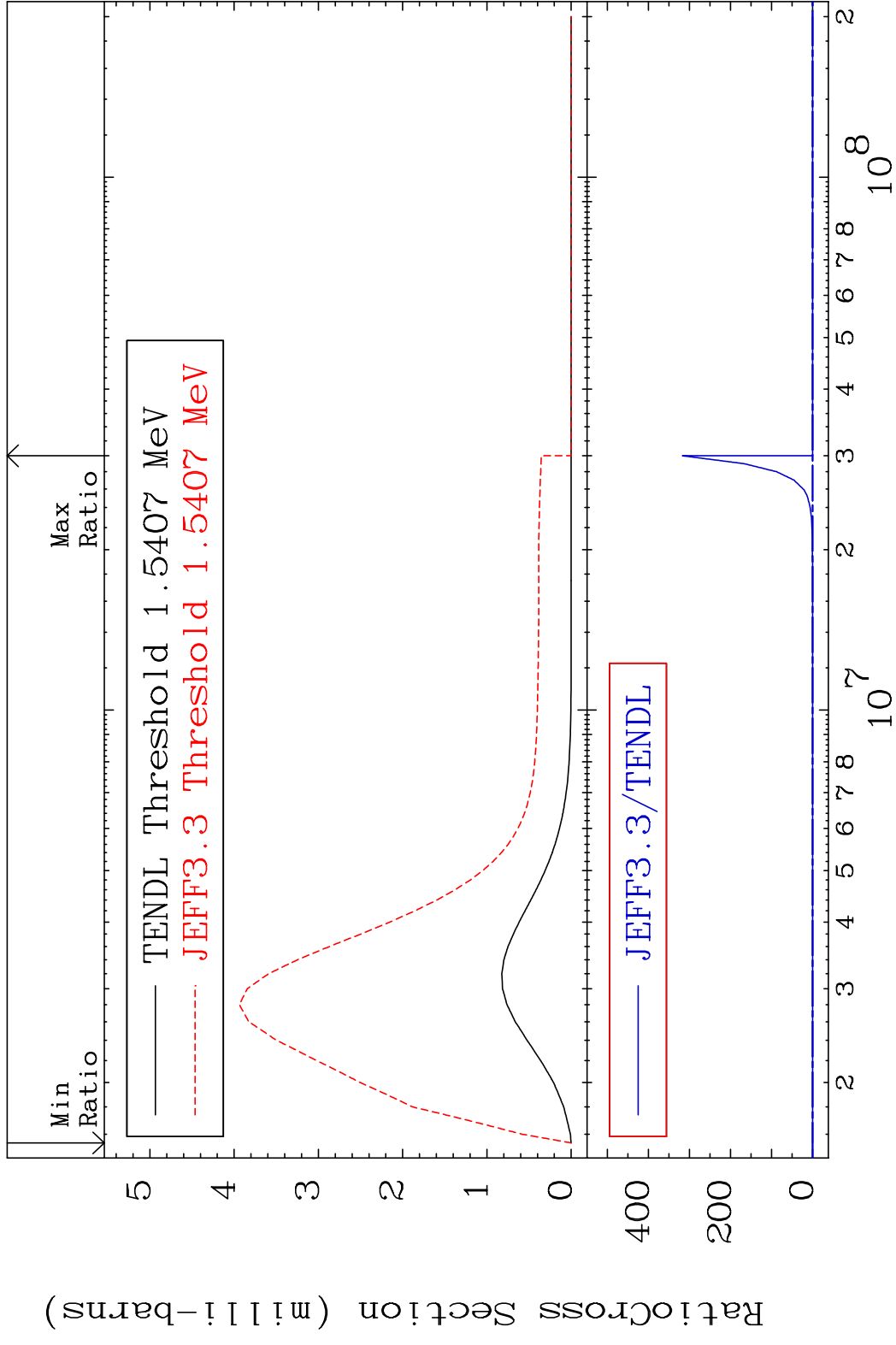
Cross Section -4.312 To 21.54 %



MAT 4122 MT= 72 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 6.531 %



MAT 4122 MT= 73 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 9999. %



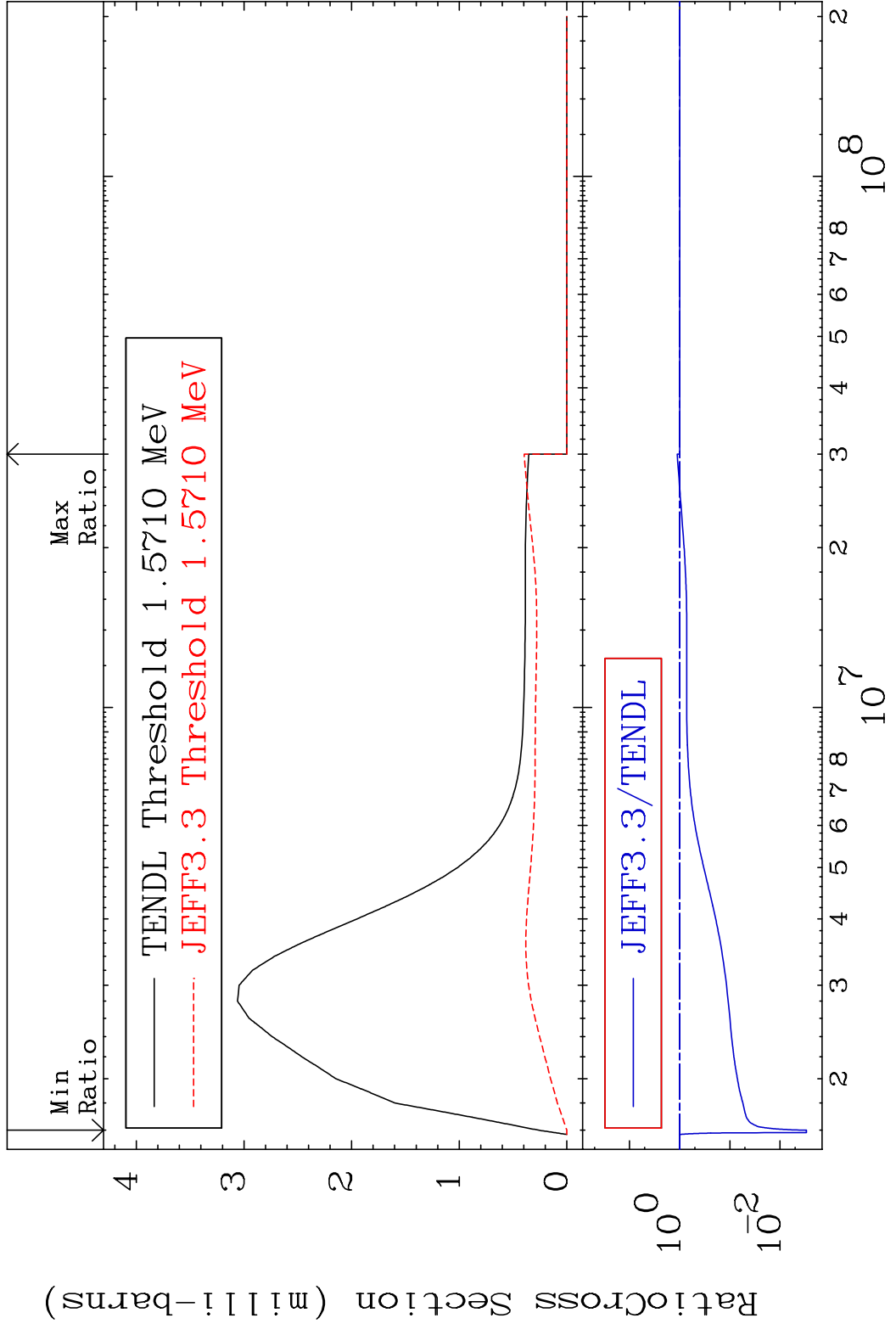
40 Incident Energy (eV) 41-Nb-92

MAT 4122

MT= 74 (n, n') Level

41-Nb-92

Cross Section -99.70 To 12.30 %

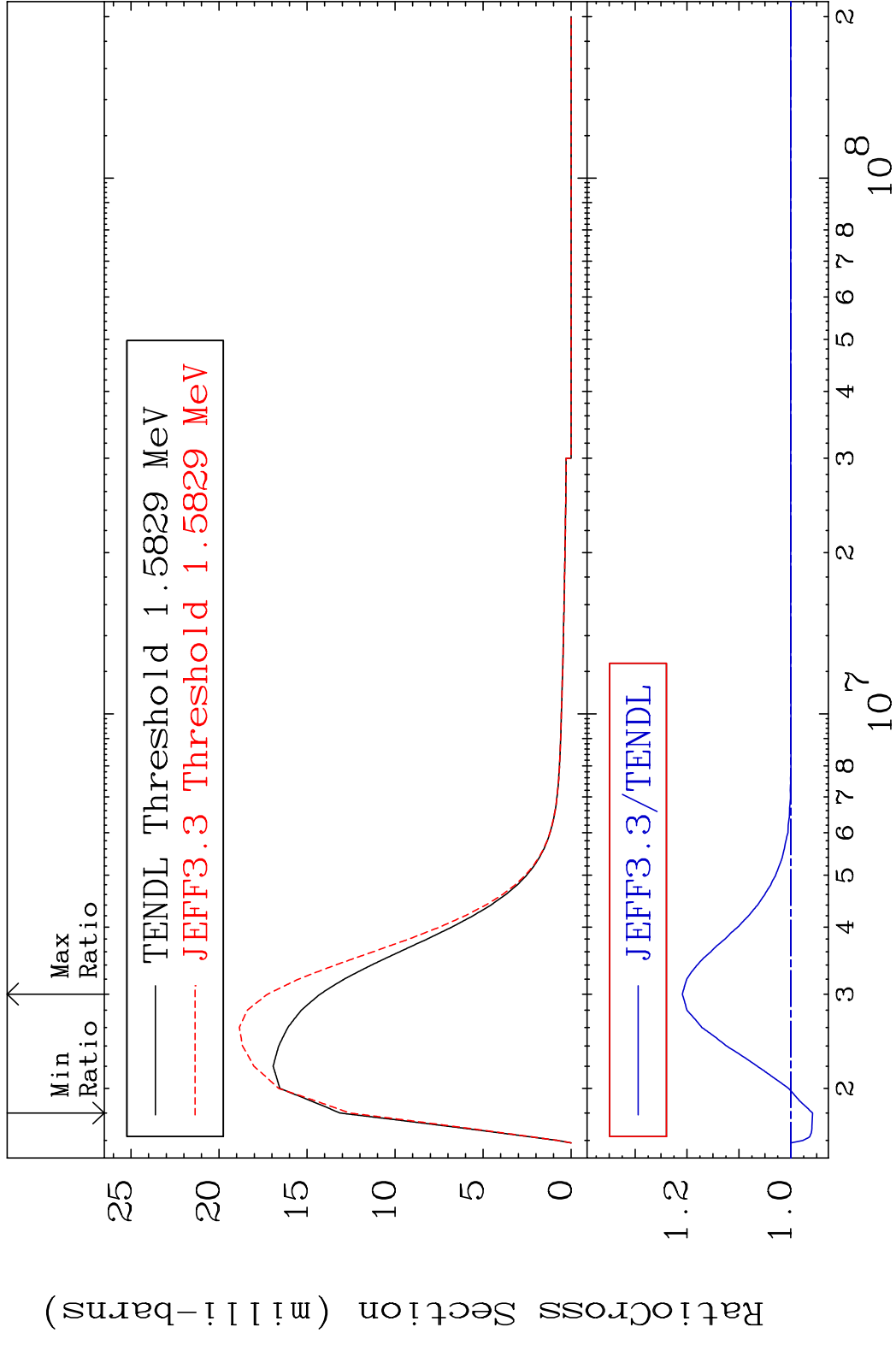


MAT 4122

MT= 75 (n,n') Level

41-Nb-92

Cross Section -4.196 To 20.90 %

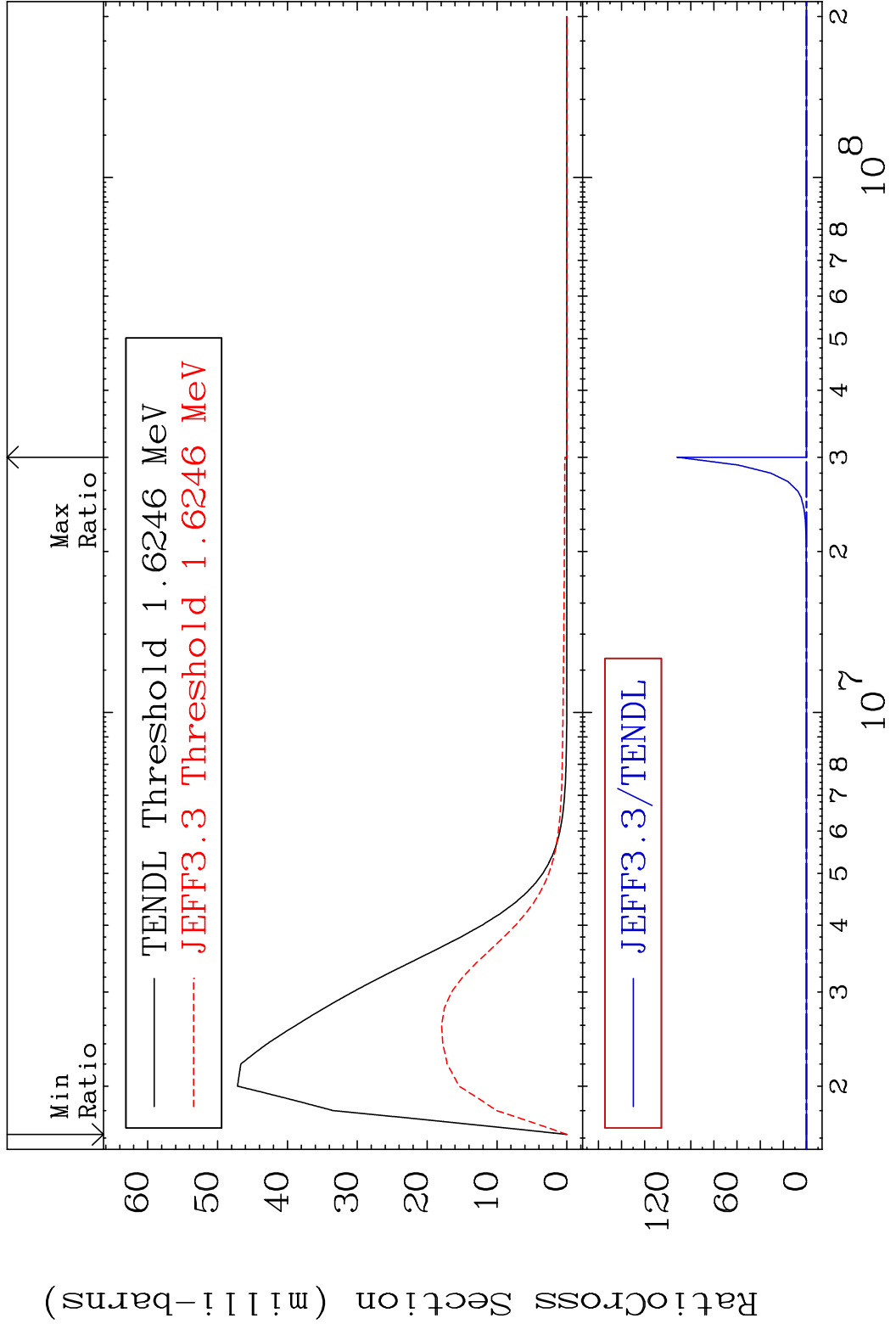


42

Incident Energy (eV)

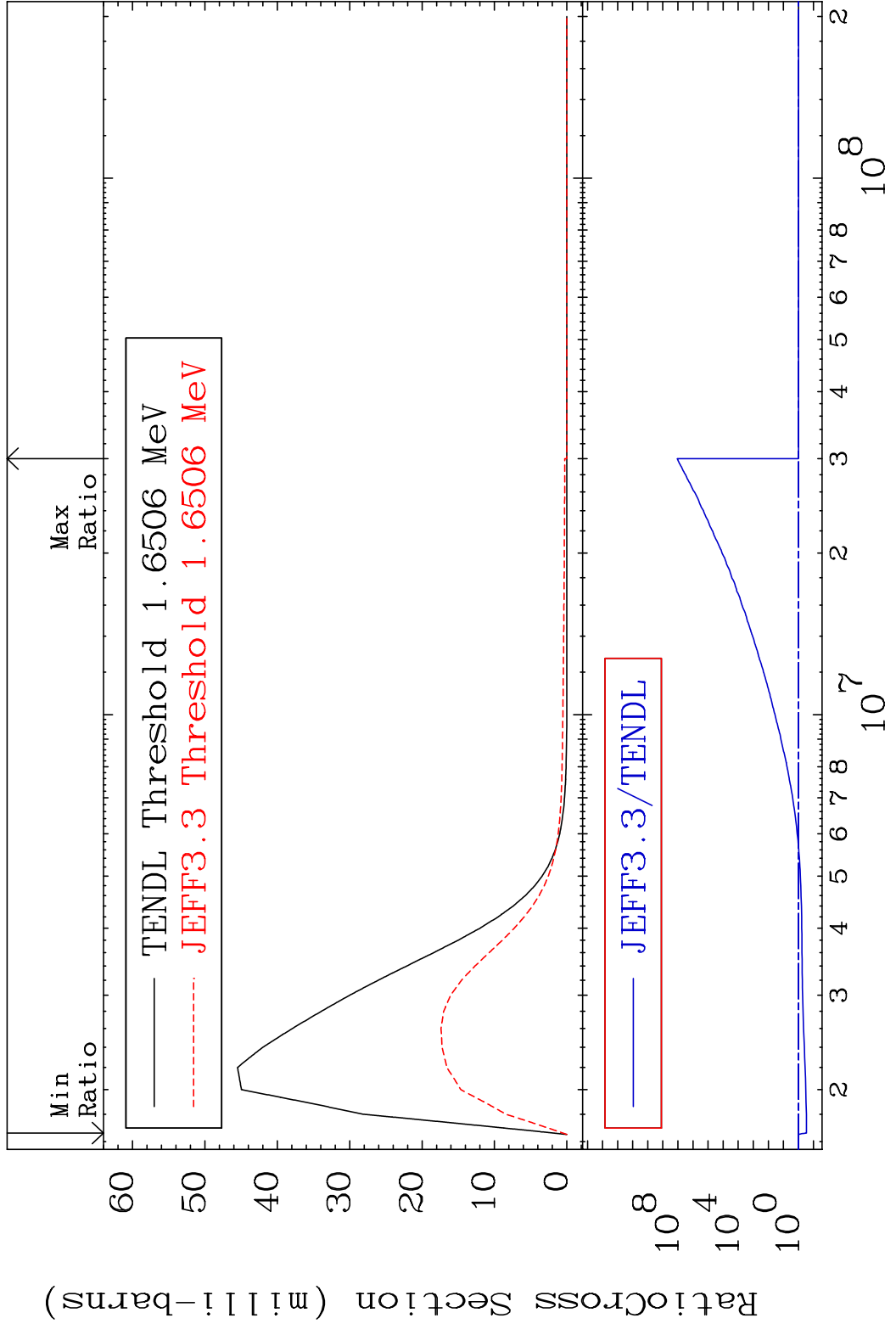
41-Nb-92

MAT 4122 MT= 76 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 41-Nb-92

MAT 4122 MT= 77 (n, n') Level 41-Nb-92
 Cross Section -70.10 To 9999. %

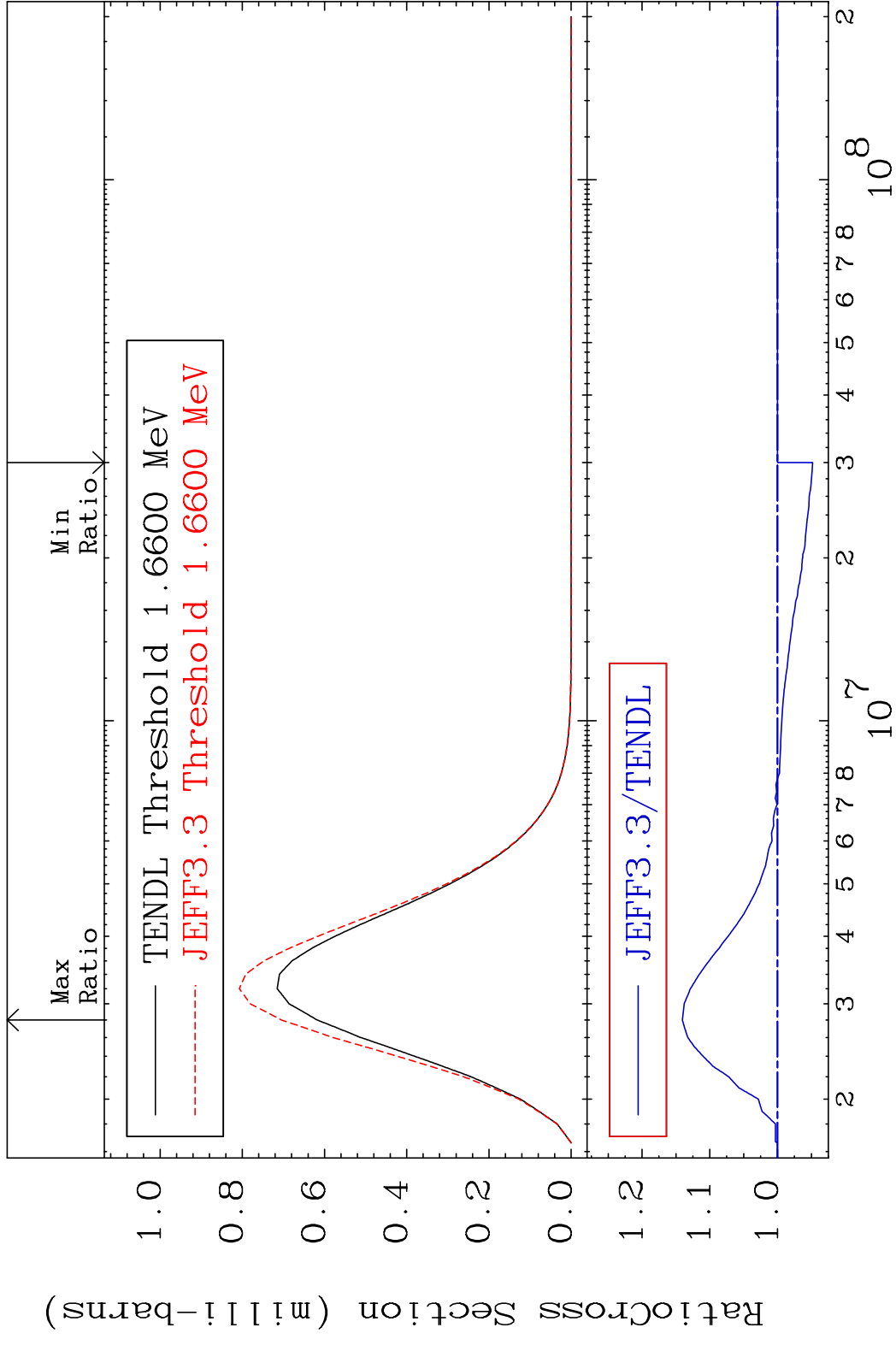


MAT 4122

MT= 78 (n, n') Level

41-Nb-92

Cross Section -5.173 To 14.05 %

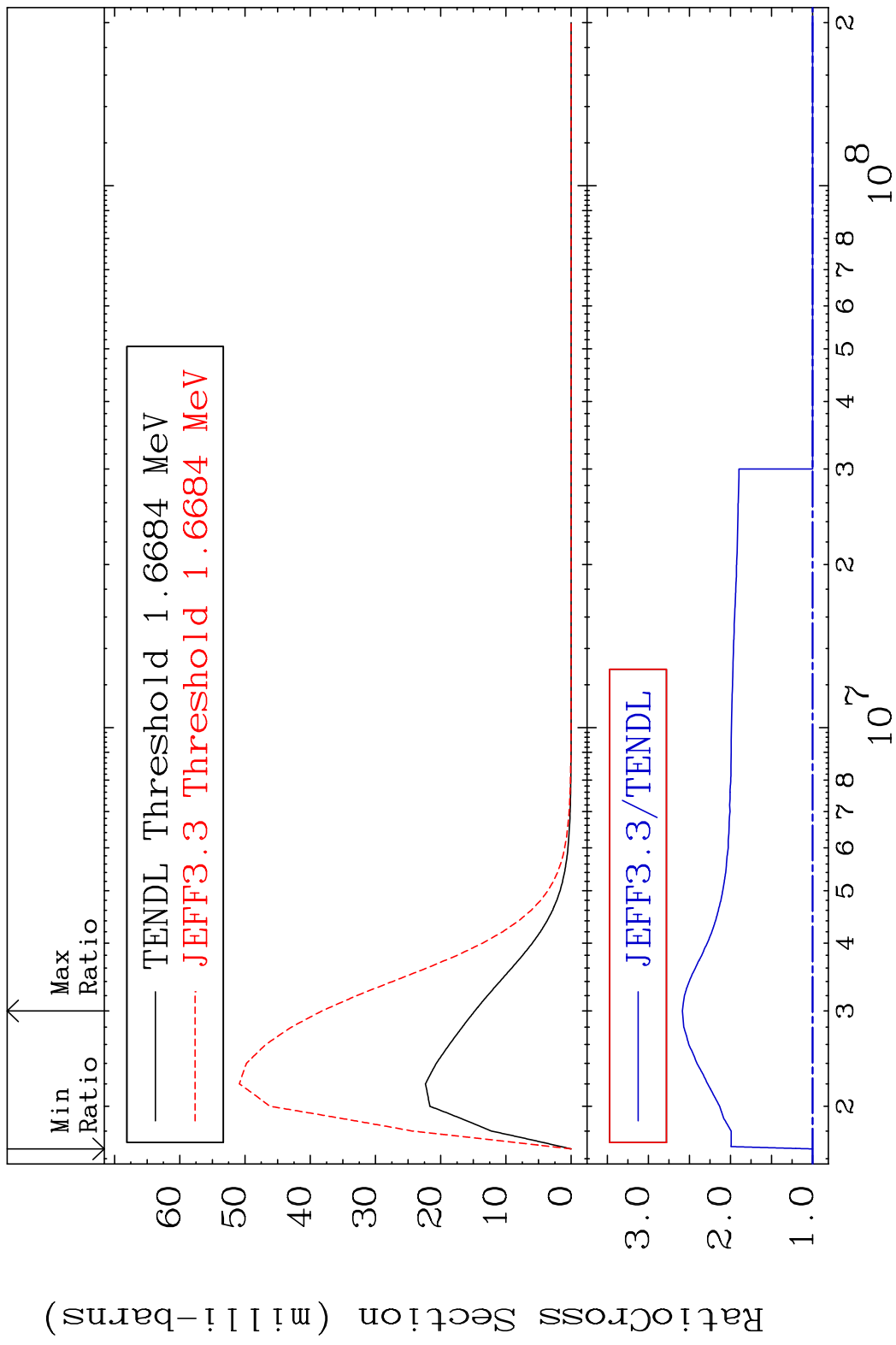


45

Incident Energy (eV)

41-Nb-92

MAT 4122 MT= 79 (n, n') Level 41-Nb-92
 Cross Section 0.000 To 158.6 %

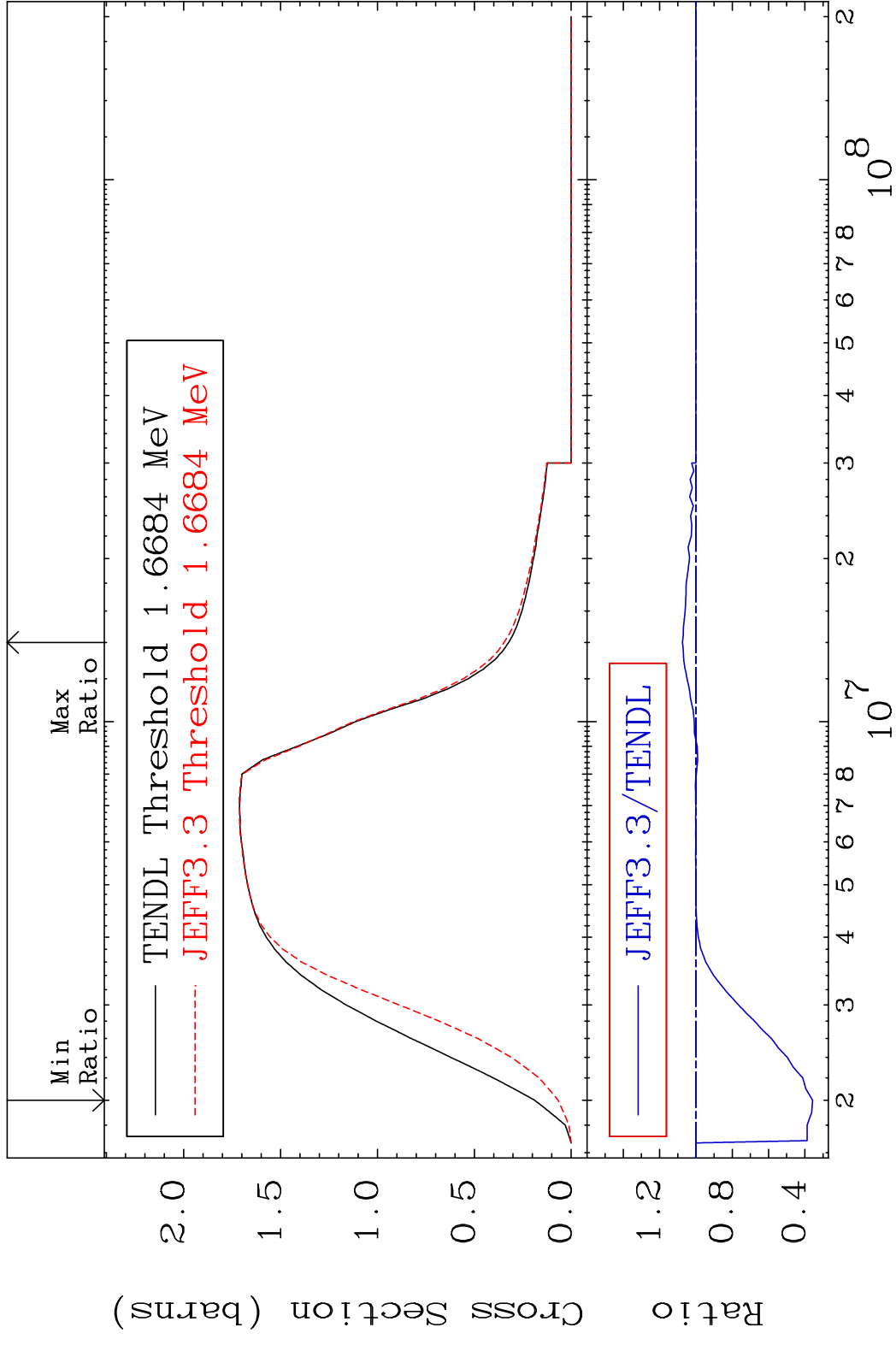


MAT 4122

(n, n') Continuum

41-Nb-92

Cross Section -64.23 To 7.456 %



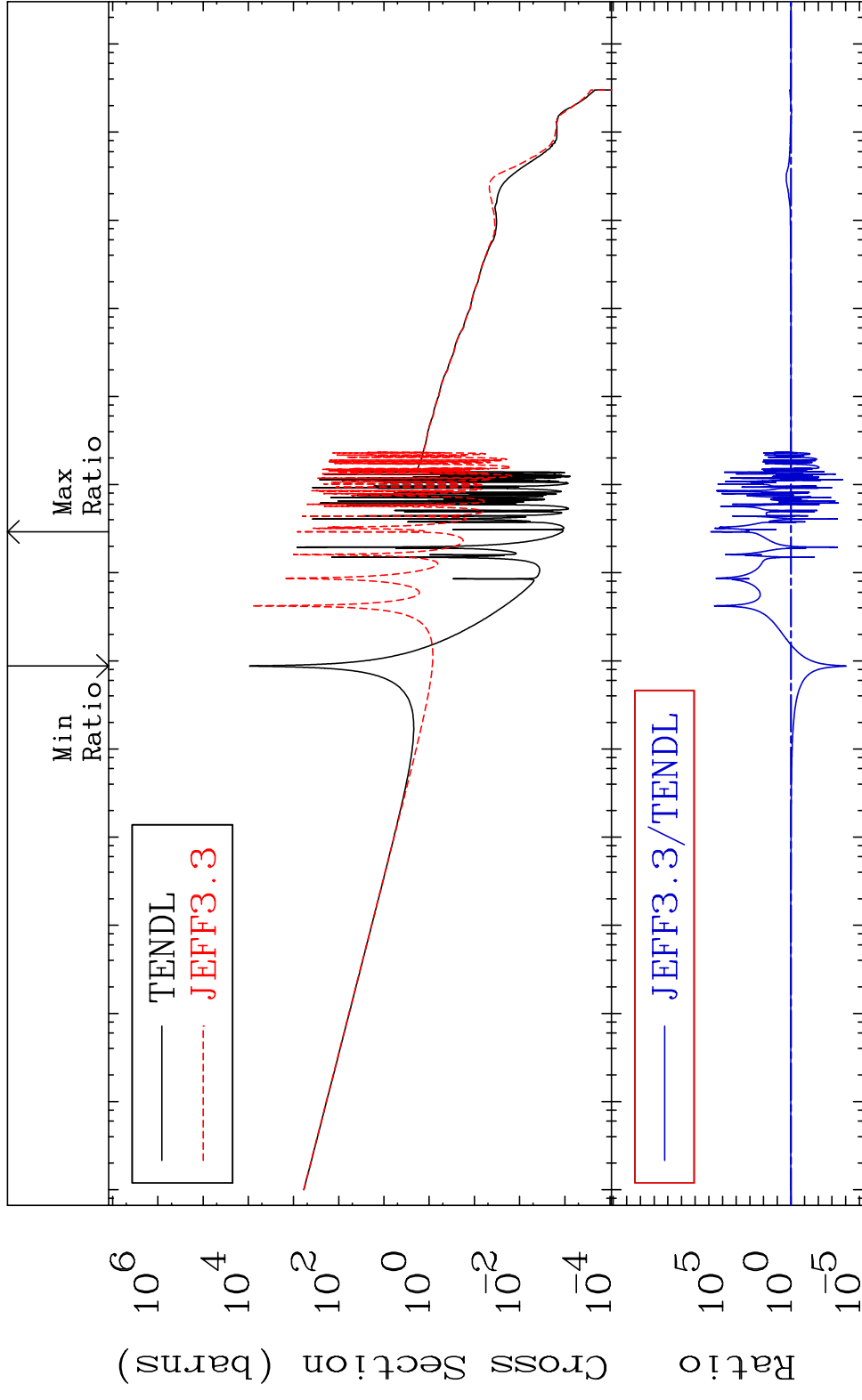
47

Incident Energy (eV)

41-Nb-92

MAT 4122

(n, γ)
Cross Section -99.99 To 9999. %
41-Nb-92



48

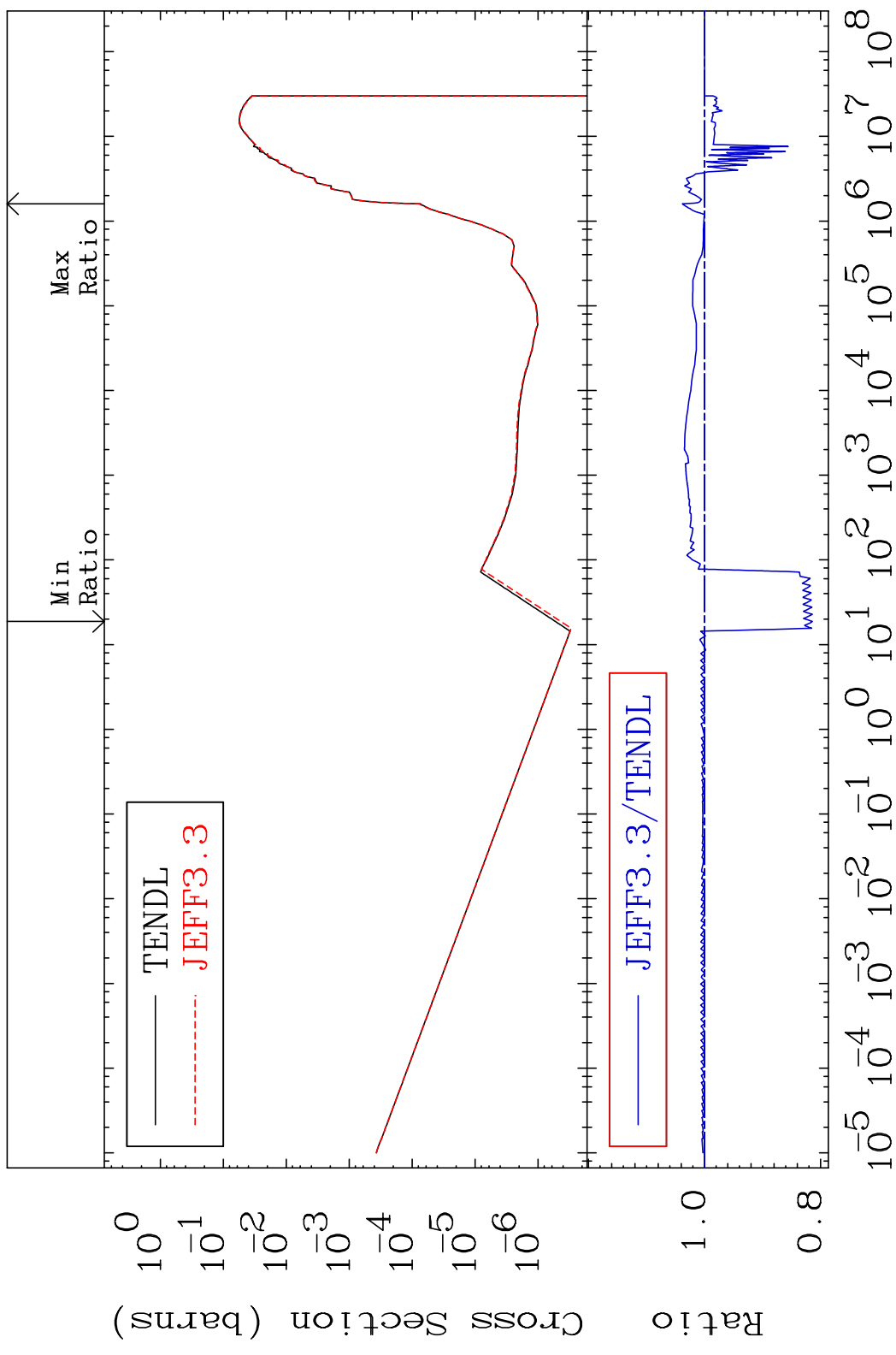
Incident Energy (eV) 41-Nb-92

MAT 4122

(n, p)

41-Nb-92

Cross Section -18.61 To 3.825 %

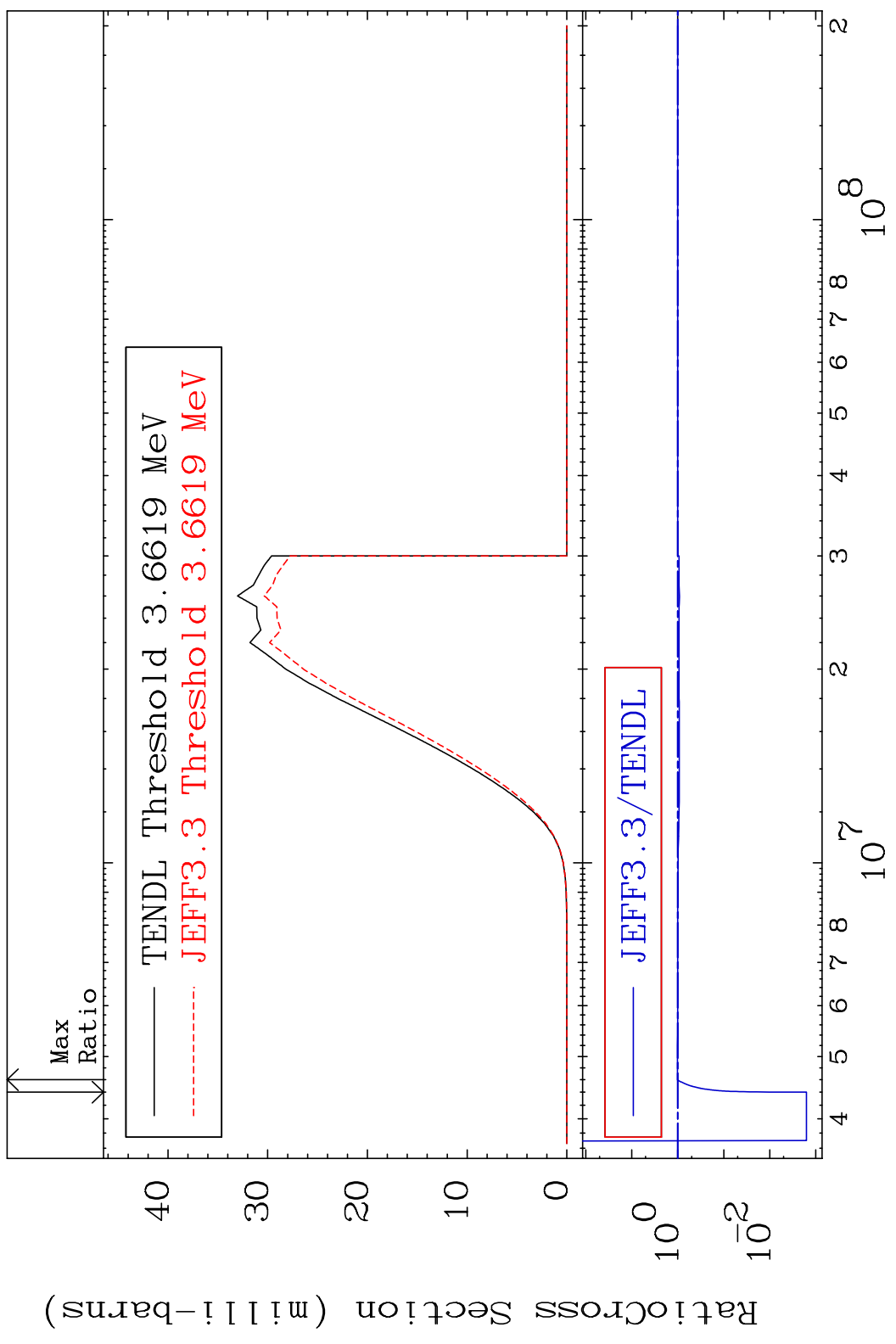


MAT 4122

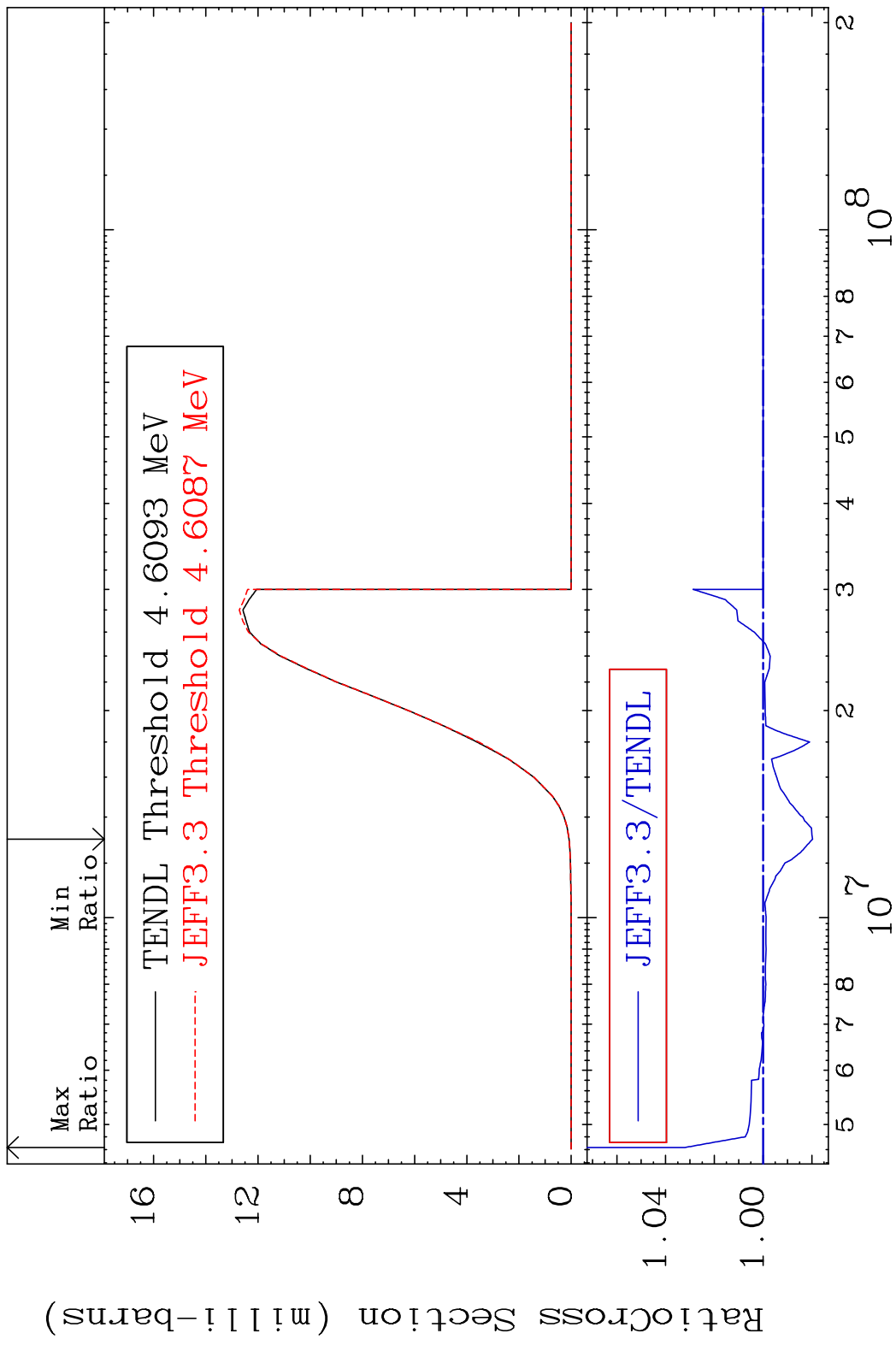
(n, d)

41-Nb-92

Cross Section -99.84 To 2.975 %



MAT 4122 (n, t) 41-Nb-92
 Cross Section -2.030 To 3.312 %

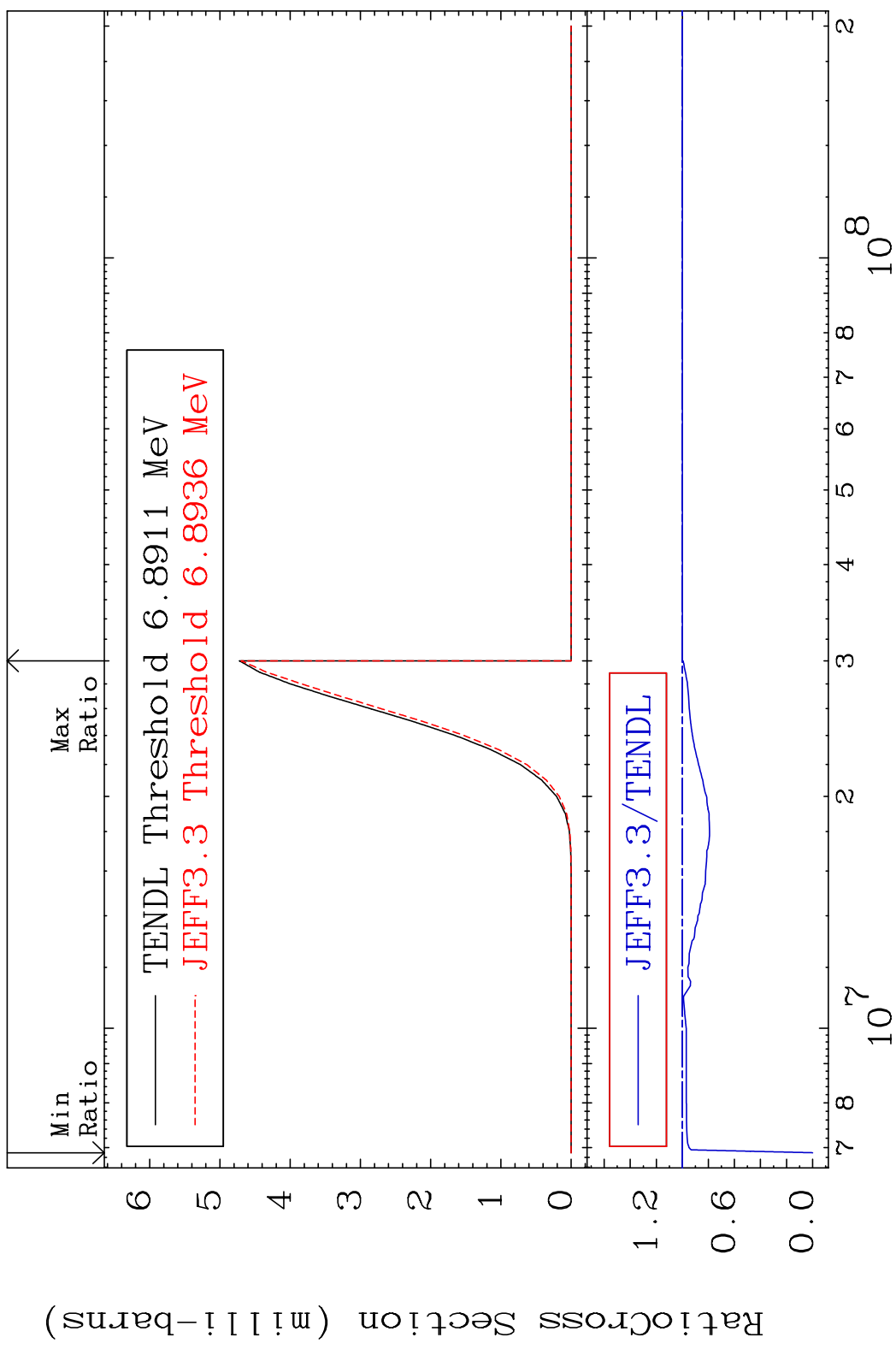


MAT 4122

(n, He-3)

41-Nb-92

Cross Section -100.0 To 0.000 %

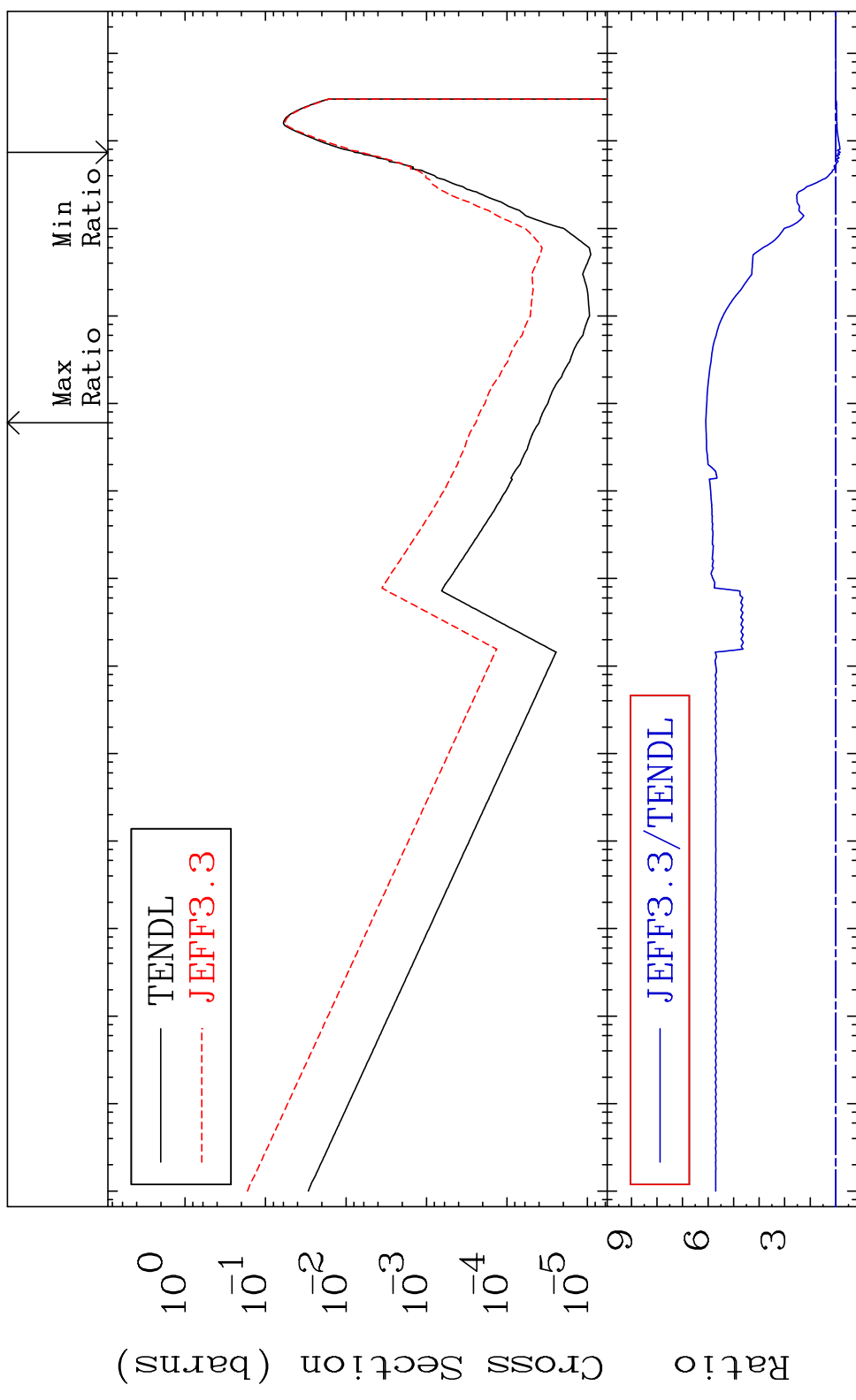


MAT 4122

(n, α)

41-Nb-92

Cross Section -18.40 To 509.0 %



53

Incident Energy (eV)

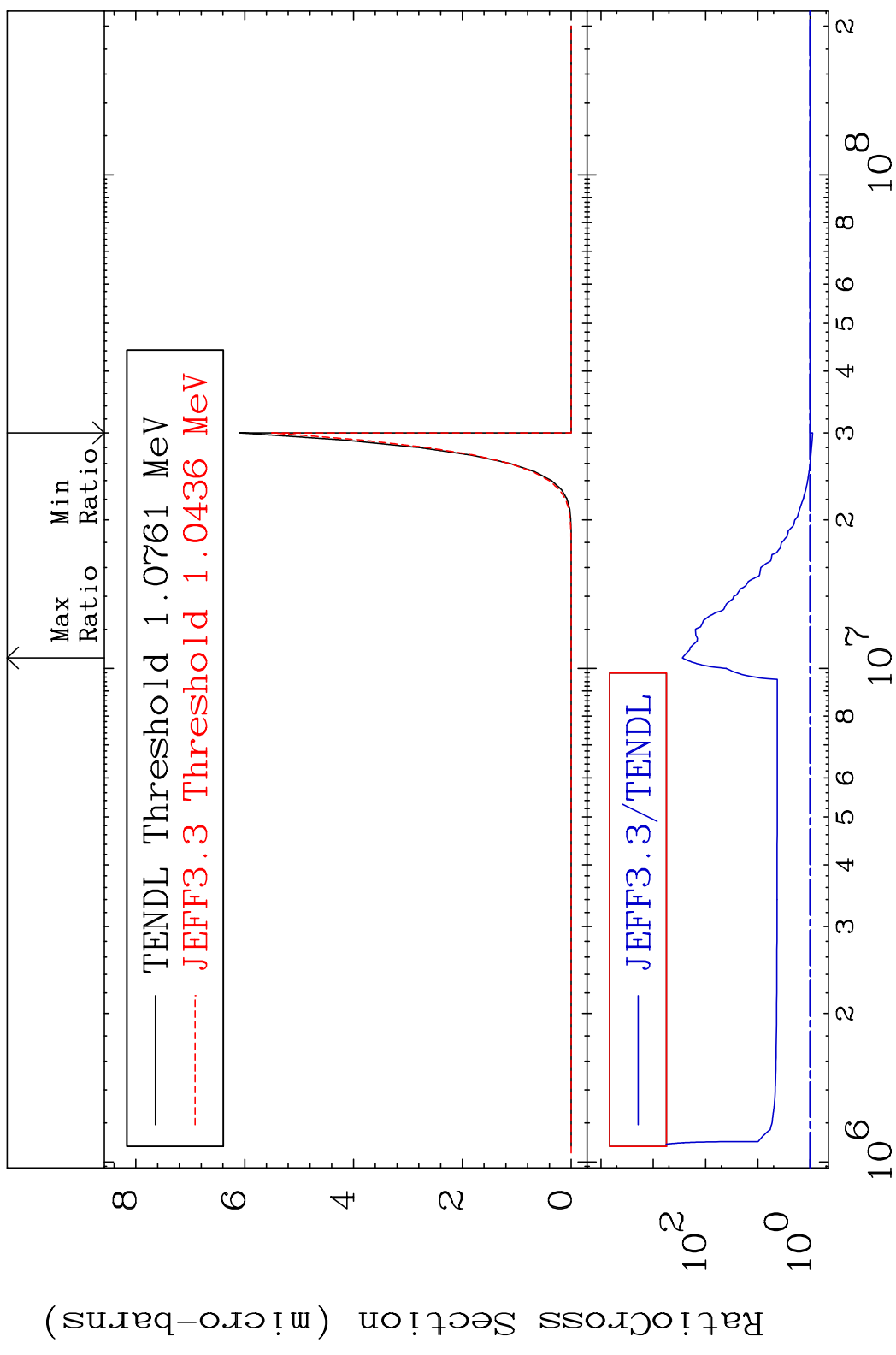
41-Nb-92

MAT 4122

(n, 2α)

41-Nb-92

Cross Section -9.820 To 9999. %



54

Incident Energy (eV)

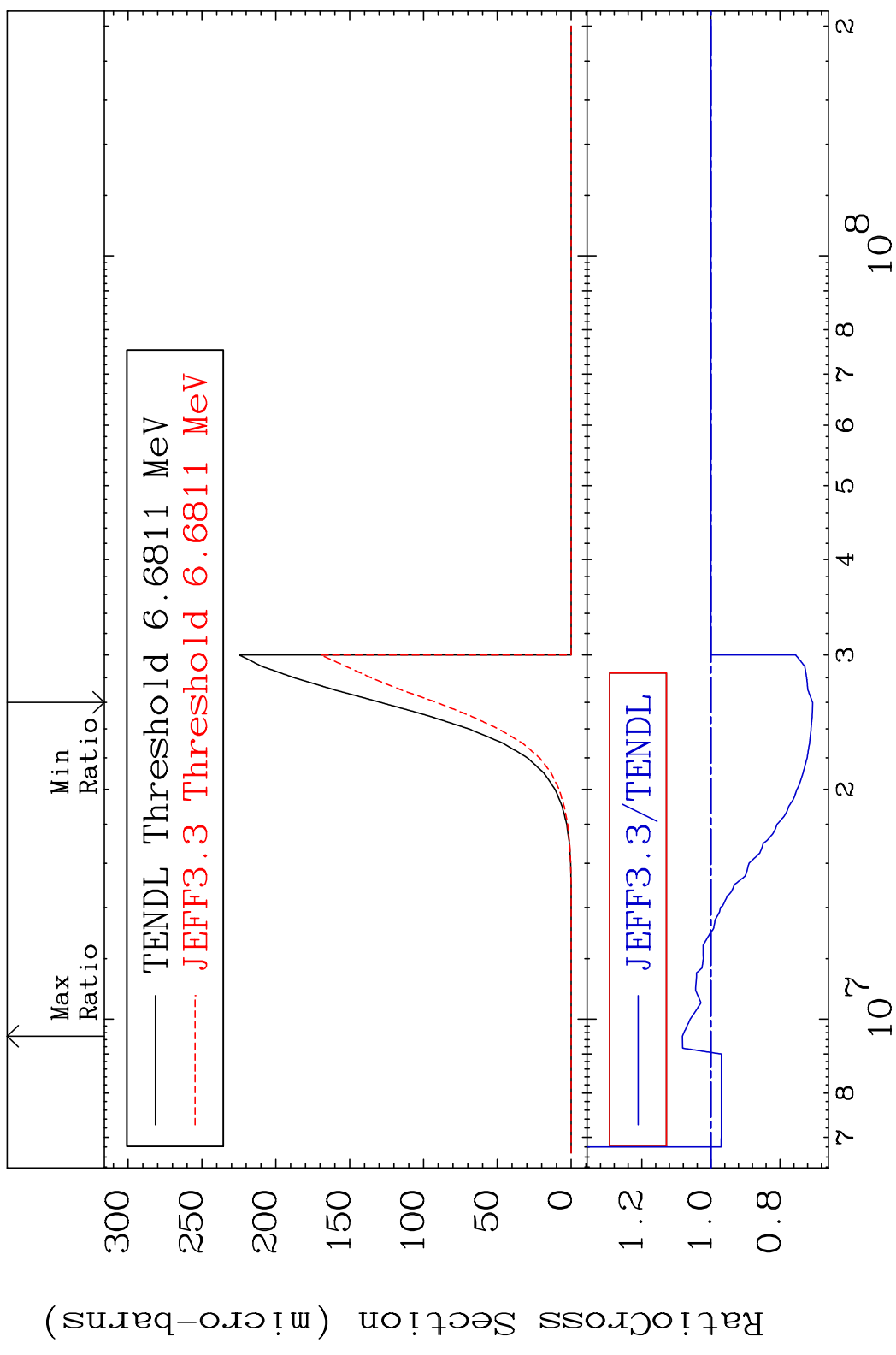
41-Nb-92

MAT 4122

(n,2p)

41-Nb-92

Cross Section -29.43 To 8.273 %

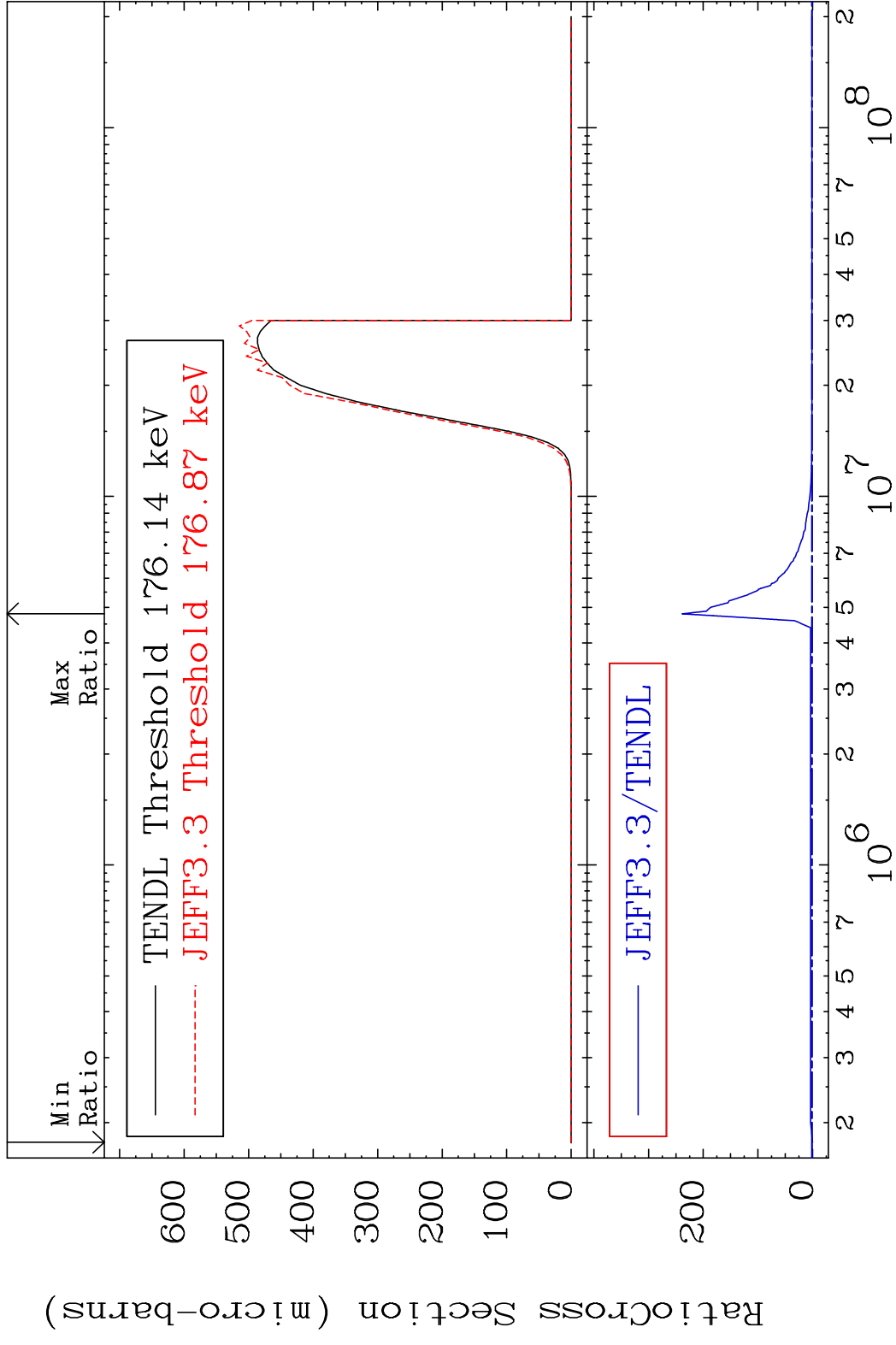


MAT 4122

(n,p) α

41-Nb-92

Cross Section -100.0 To 9999. %

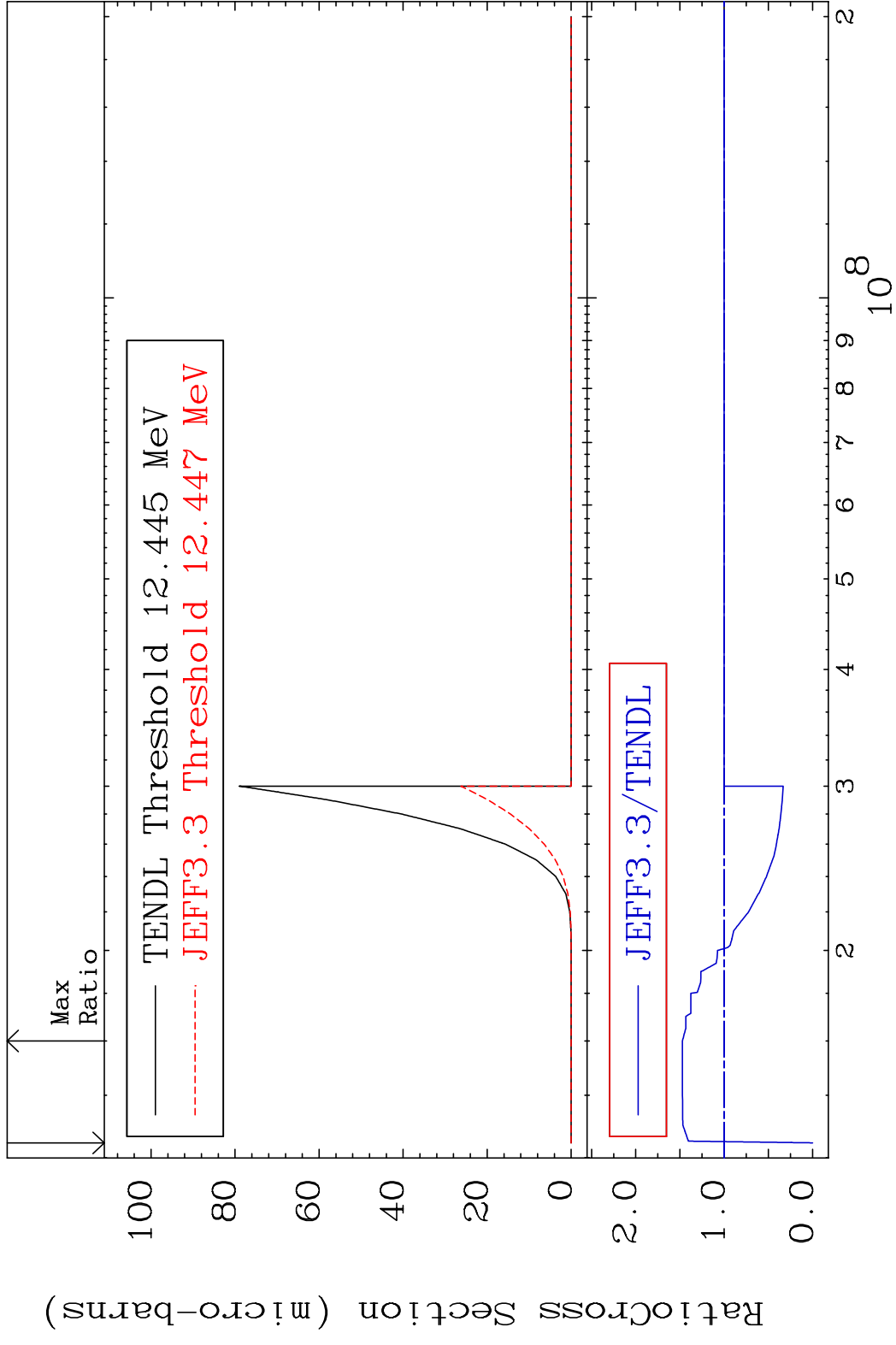


MAT 4122

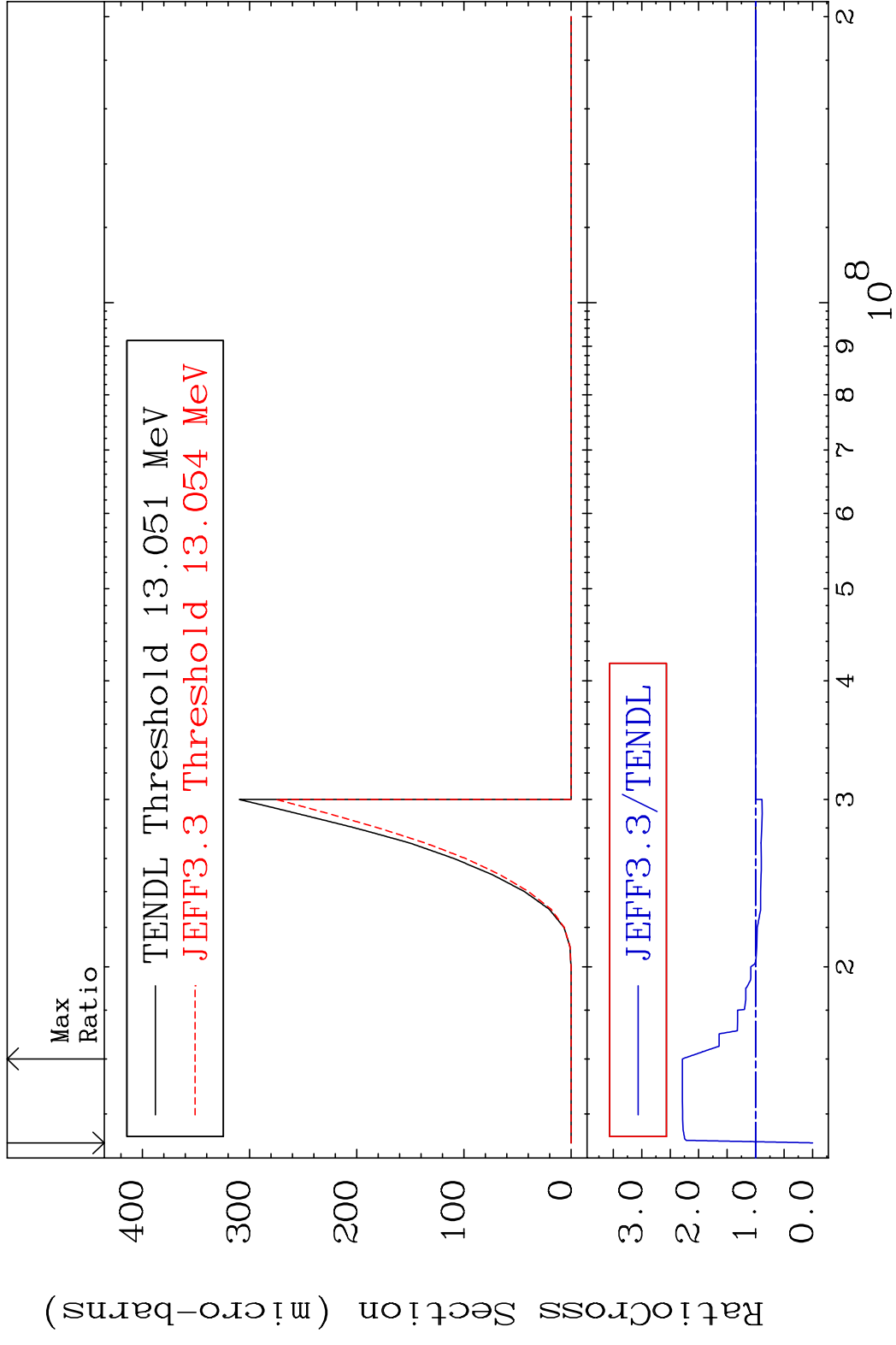
(n,p) d

41-Nb-92

Cross Section -100.0 To 47.27 %



MAT 4122 (n,p) t 41-Nb-92
 Cross Section -100.0 To 128.7 %

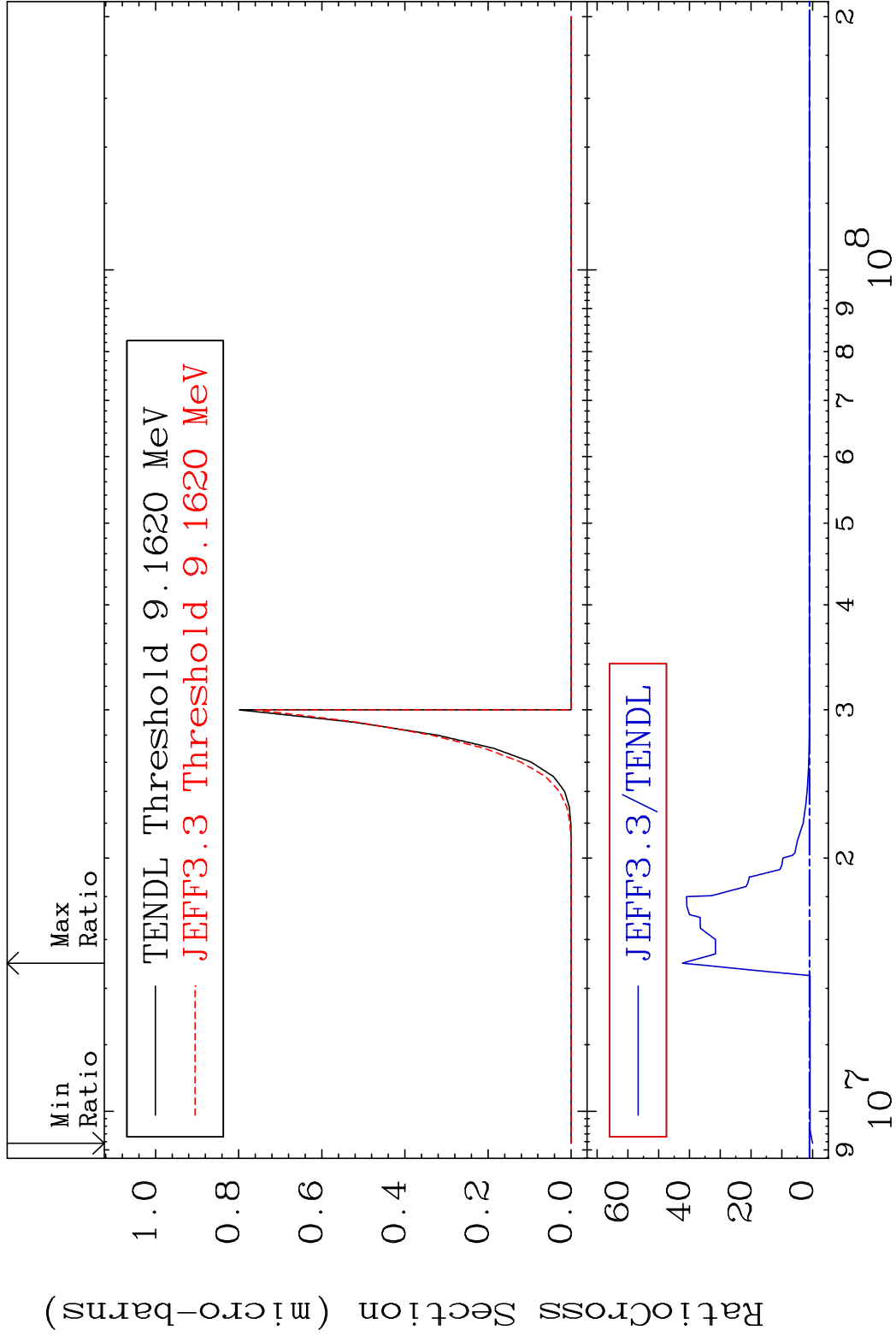


MAT 4122

(n,d) α

41-Nb-92

Cross Section -100.0 To 4132. %



59

Incident Energy (eV)

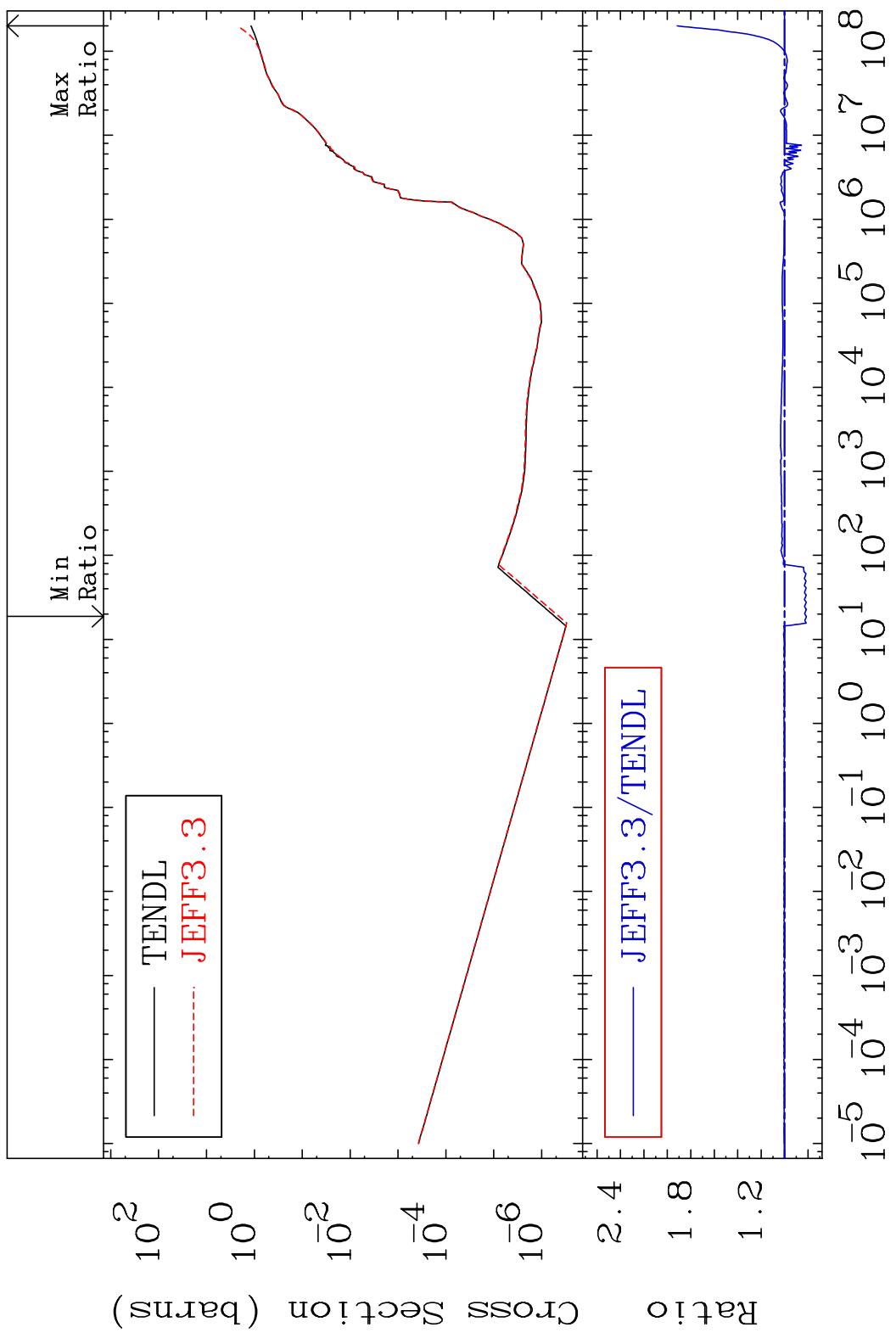
41-Nb-92

MAT 4122

Hydrogen Production

41-Nb-92

Cross Section -18.61 To 91.62 %



60

Incident Energy (eV)

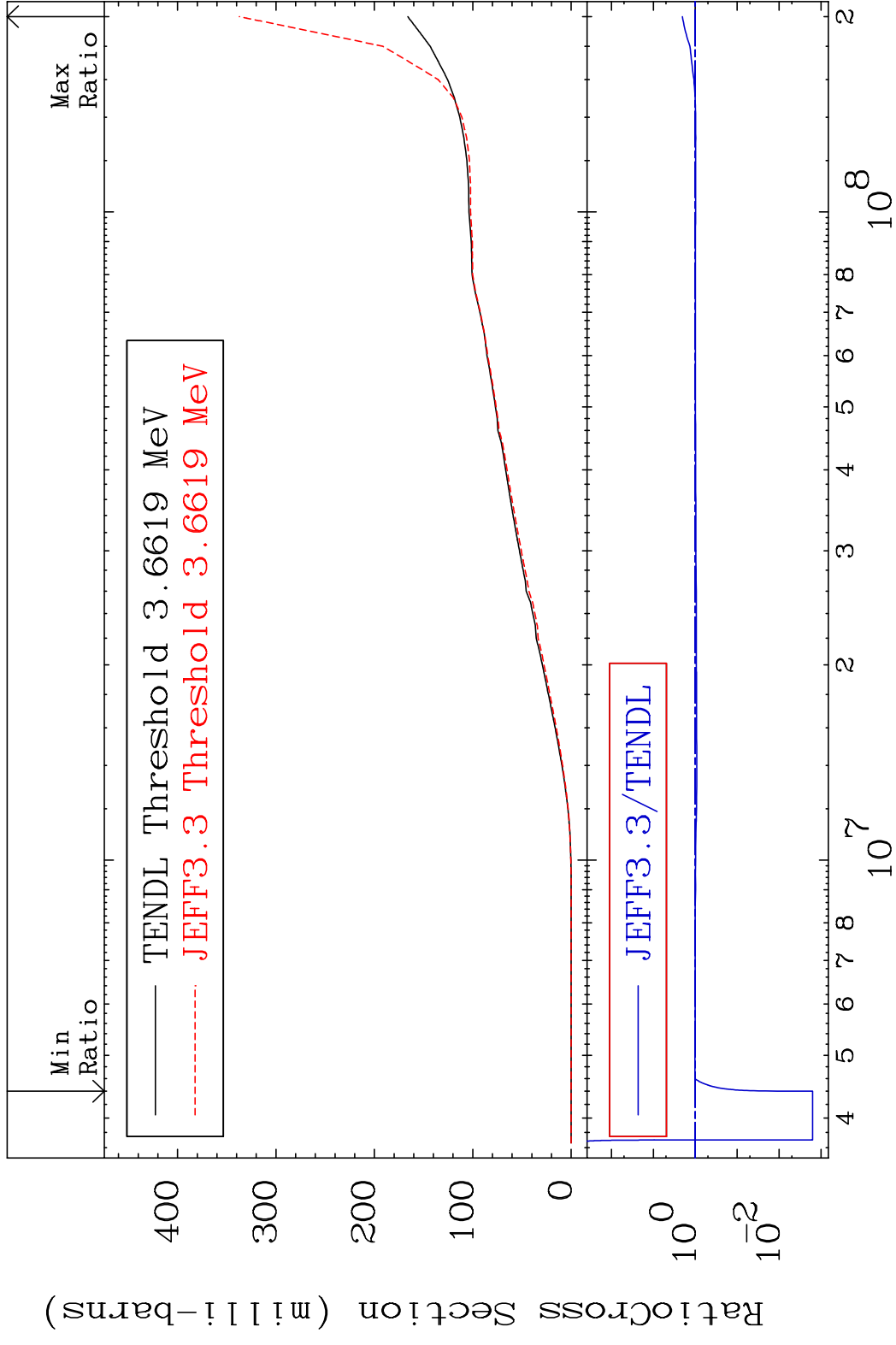
41-Nb-92

MAT 4122

Deuterium Production

41-Nb-92

Cross Section -99.84 To 103.1 %



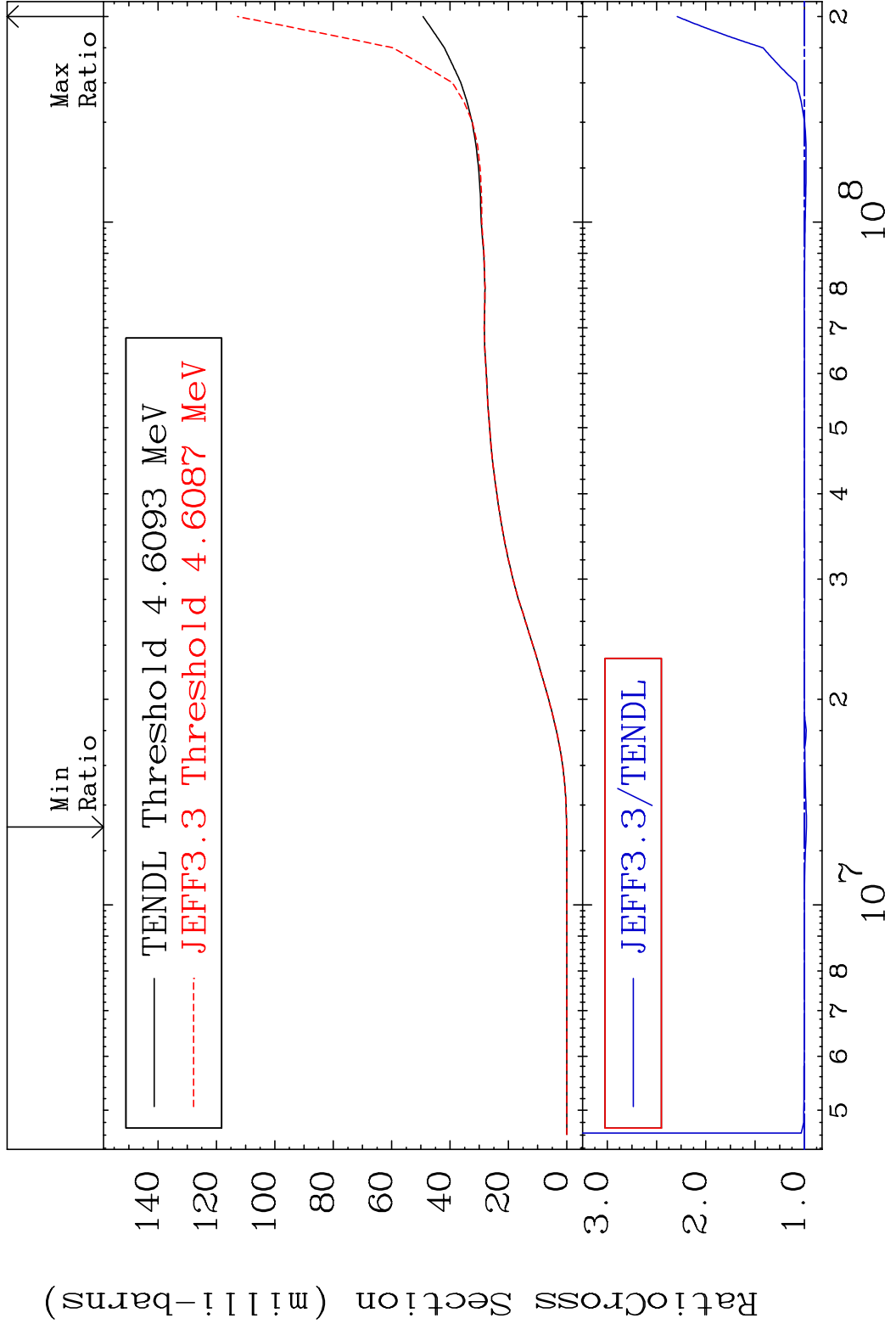
61

Incident Energy (eV)

41-Nb-92

MAT 4122

Tritium Production 41-Nb-92
Cross Section -2.030 To 129.0 %



62

Incident Energy (eV)

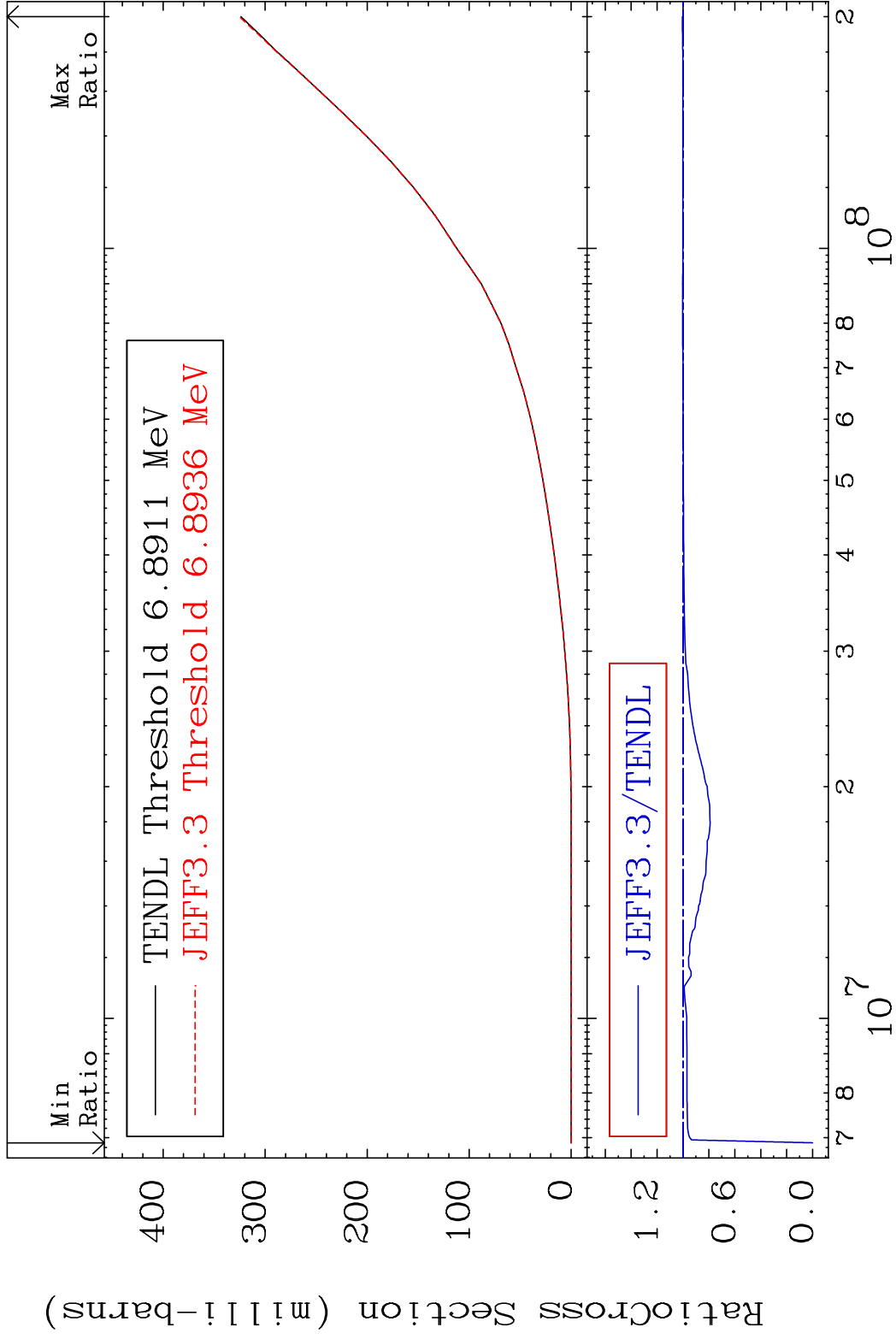
41-Nb-92

MAT 4122

He-3 Production

41-Nb-92

Cross Section -100.0 To 0.494 %



63

Incident Energy (eV)

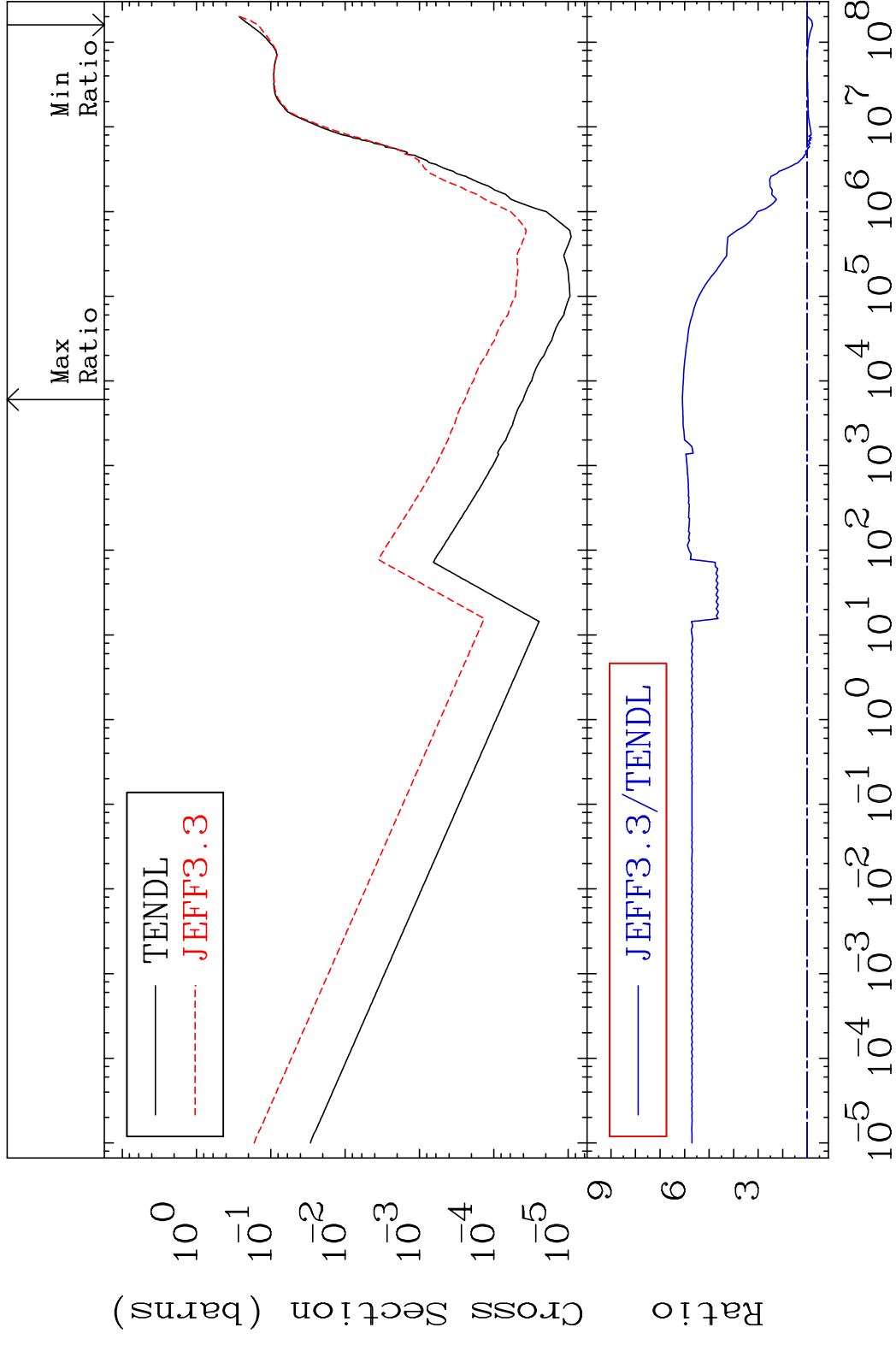
41-Nb-92

MAT 4122

He-4 Production

41-Nb-92

Cross Section -22.02 To 509.0 %

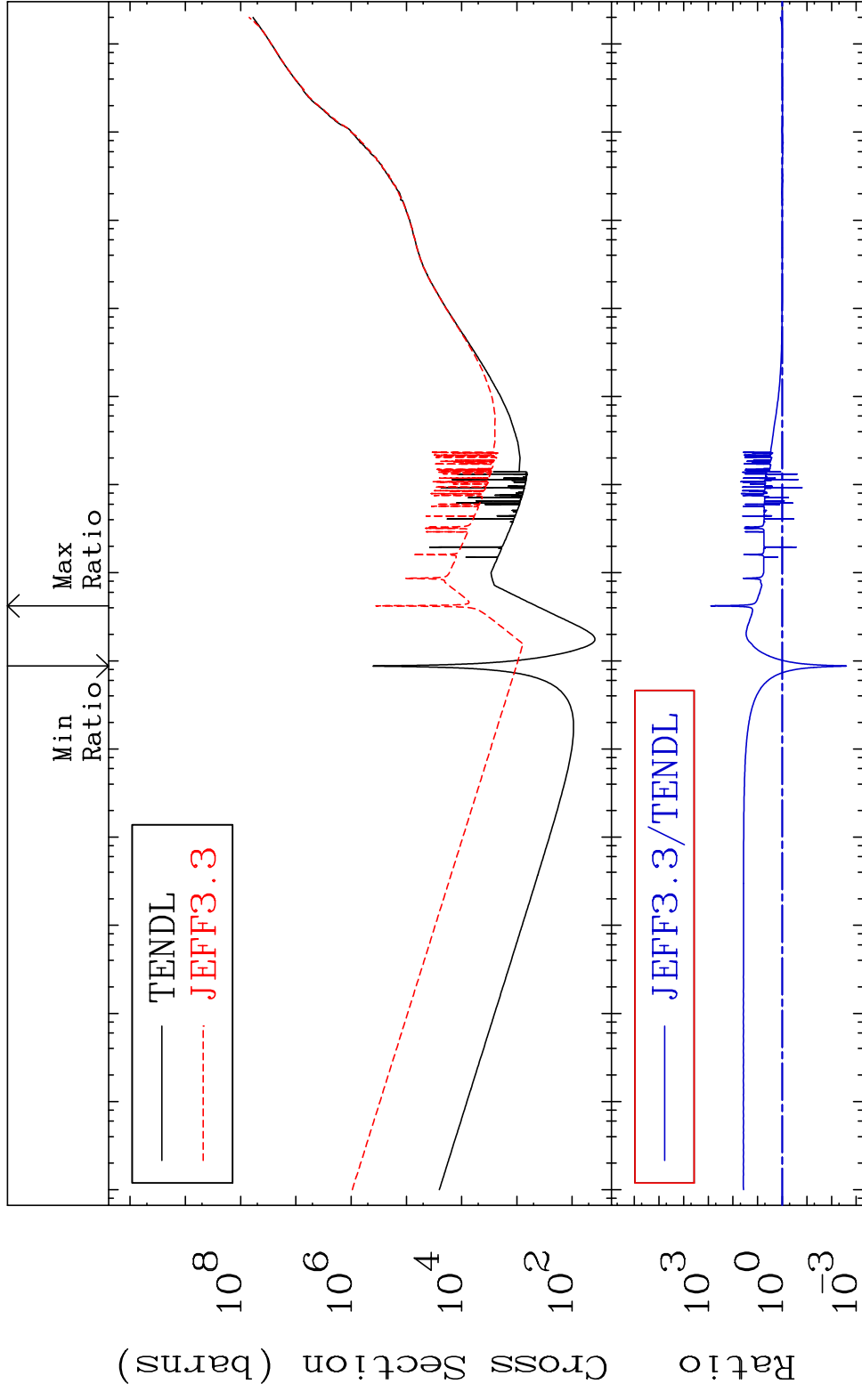


64

Incident Energy (eV)

41-Nb-92

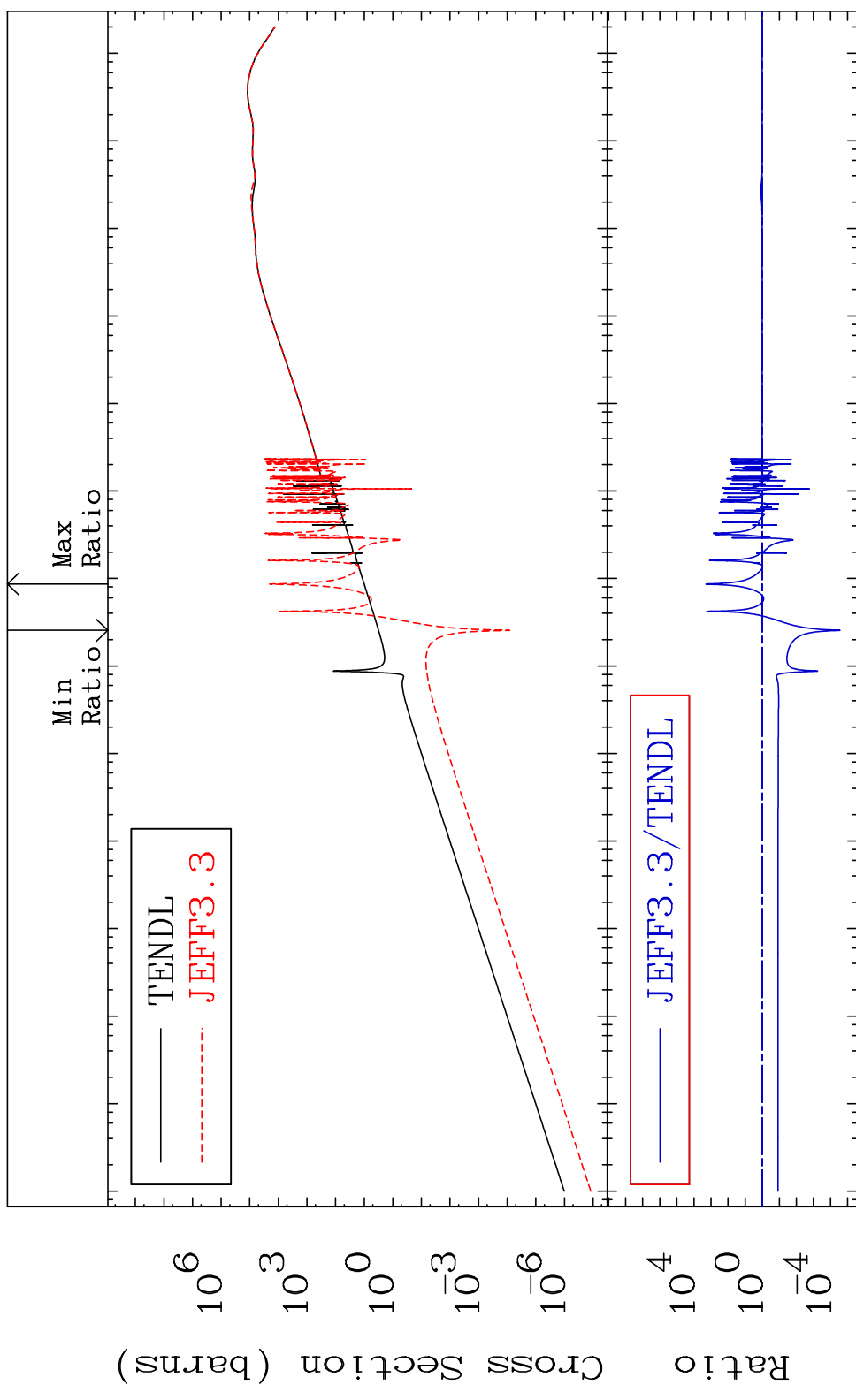
MAT 4122 Kerma total (eV-barns) 41-Nb-92
 Cross Section -99.75 To 9999. %



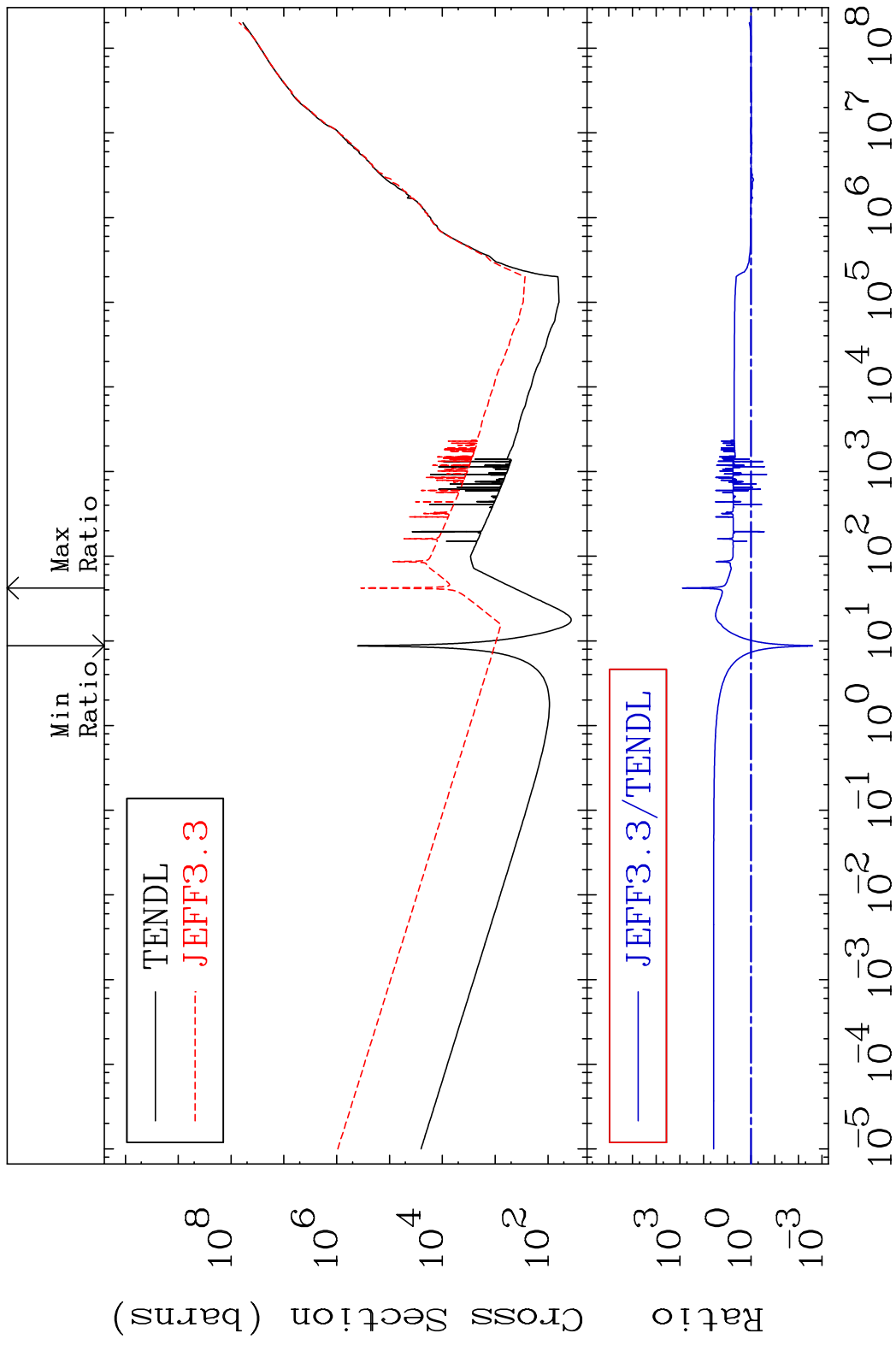
65 Incident Energy (eV) 41-Nb-92

MAT 4122

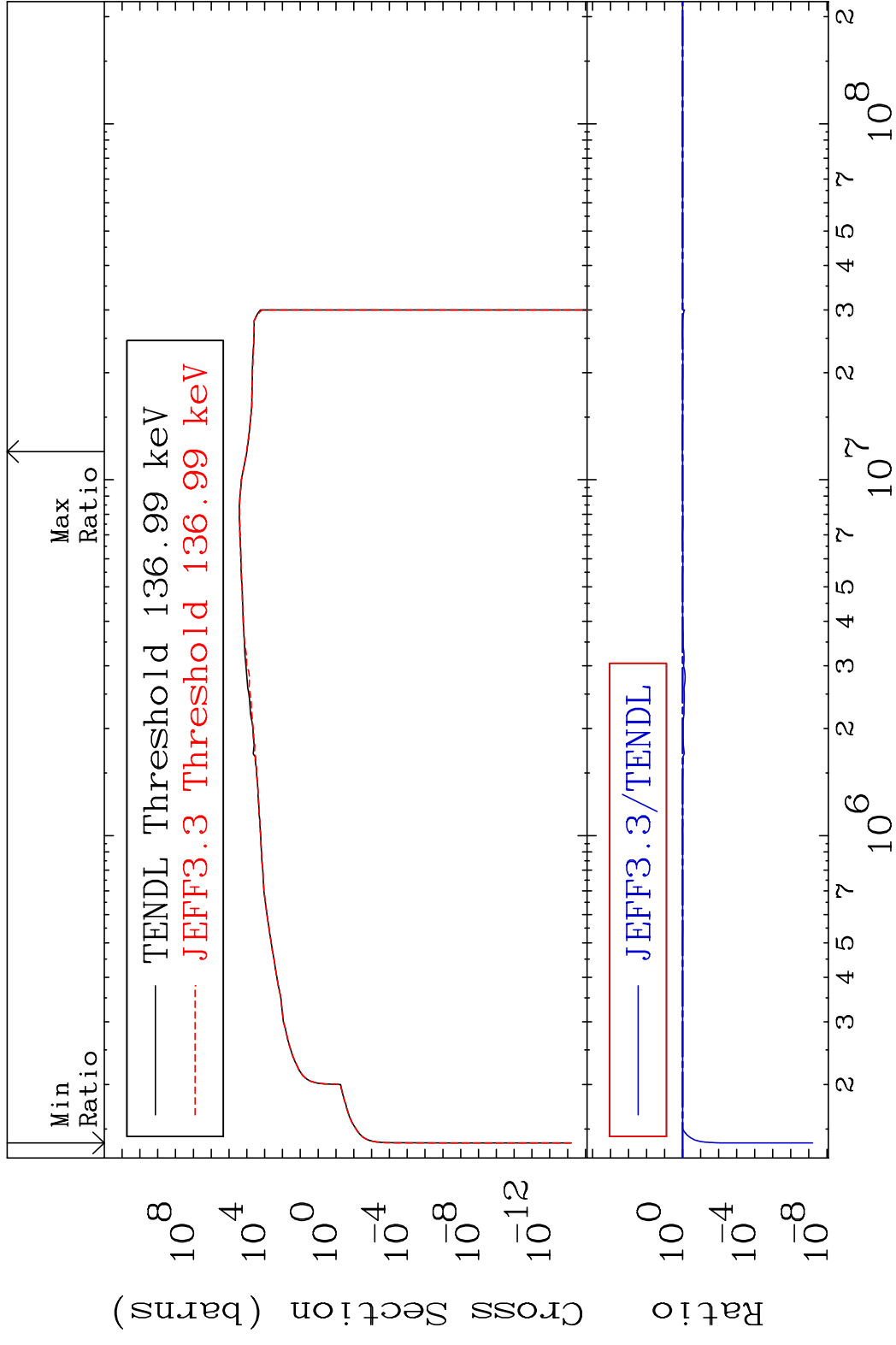
Kerma elastic Cross Section -100.0 To 9999. %
41-Nb-92



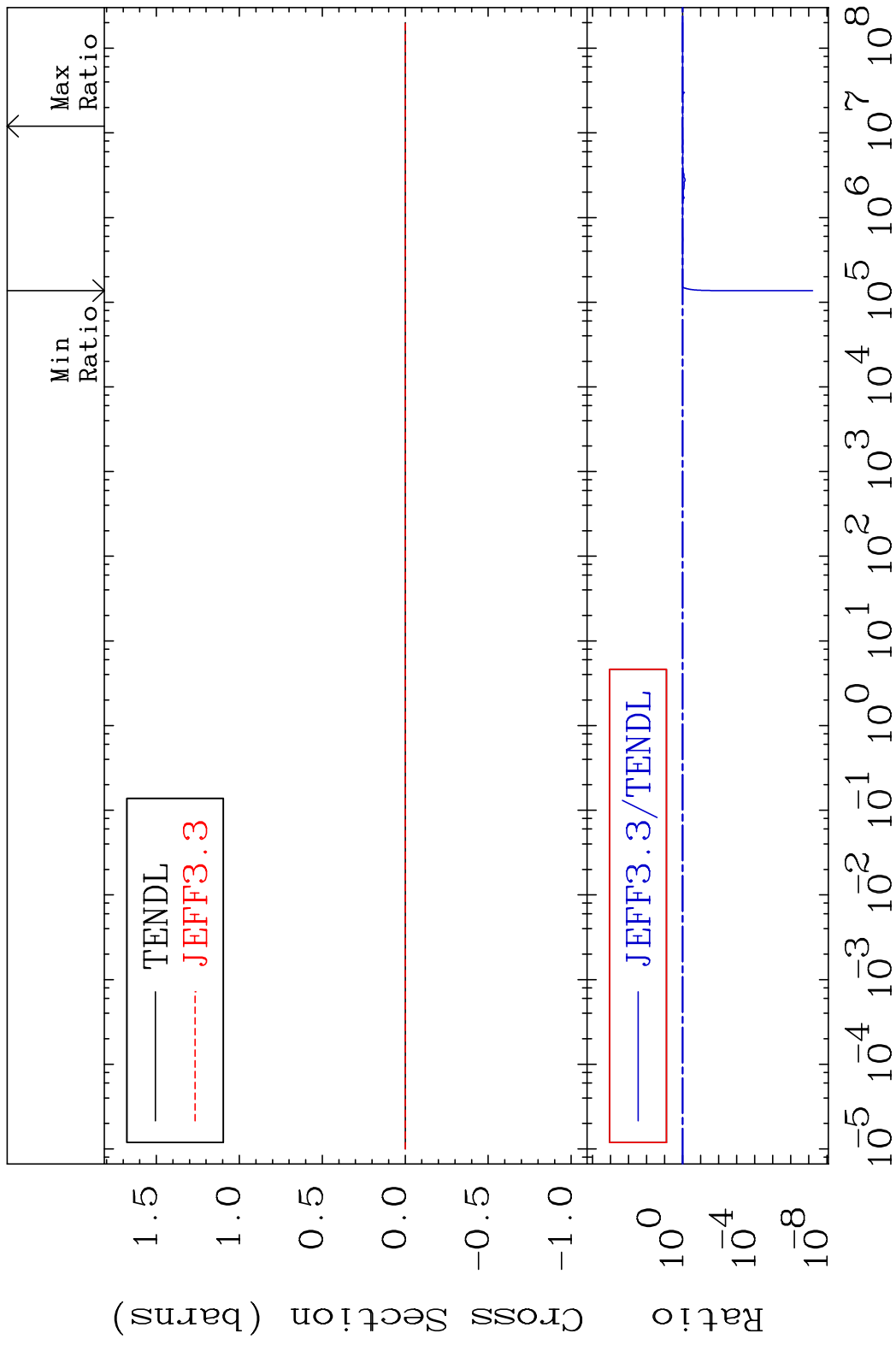
MAT 4122 Kerma non-elastic (all but mt2) 41-Nb-92
 Cross Section -99.75 To 9999. %



MAT 4122 Kerma inelastic (mt51-91) 41-Nb-92
 Cross Section -100.0 To 3.929 %



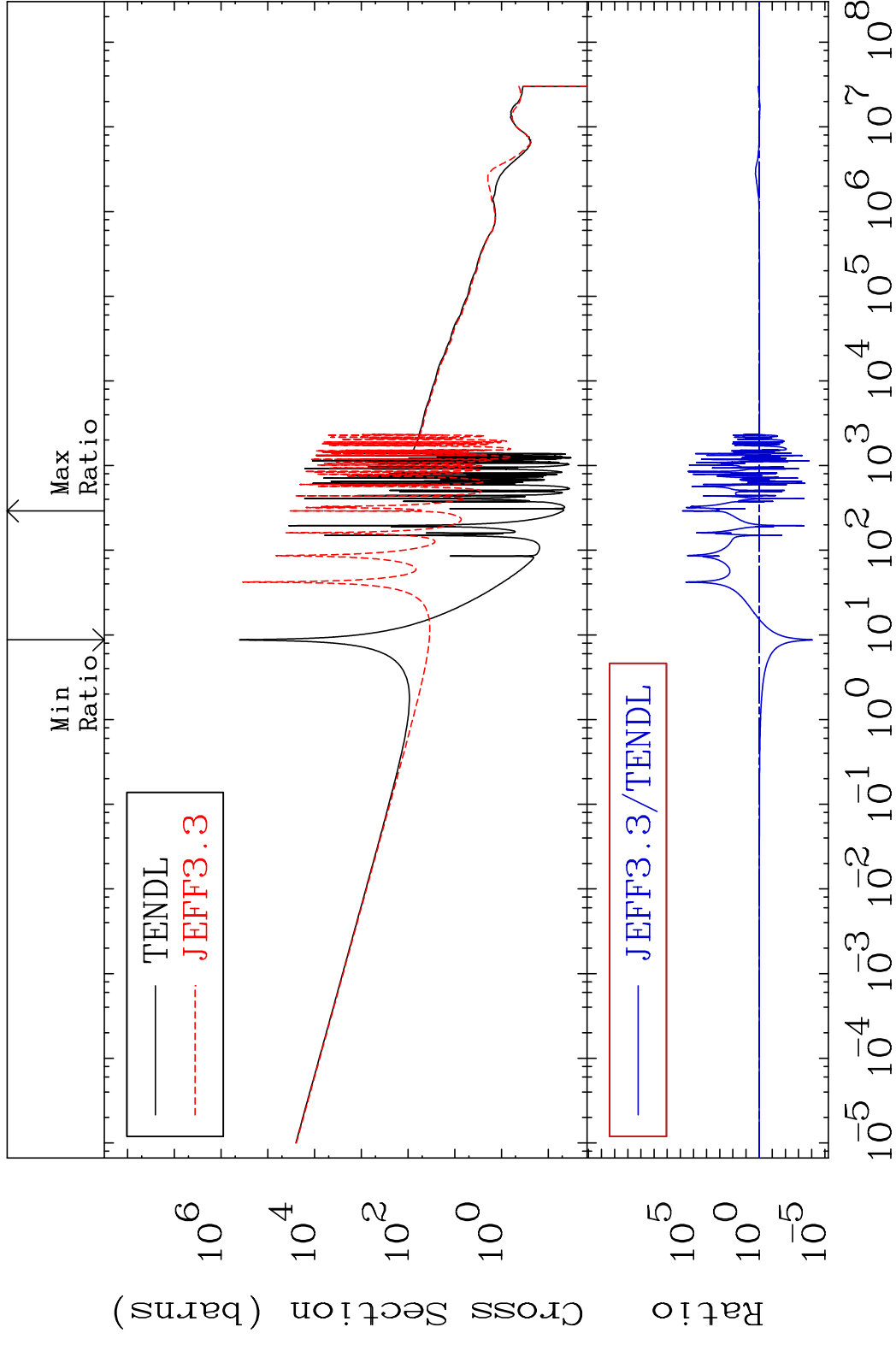
MAT 4122 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-92
 Cross Section -100.0 To 3.929 %



MAT 4122

Kerma capture (mt102) 41-Nb-92

Cross Section -99.99 To 9999. %

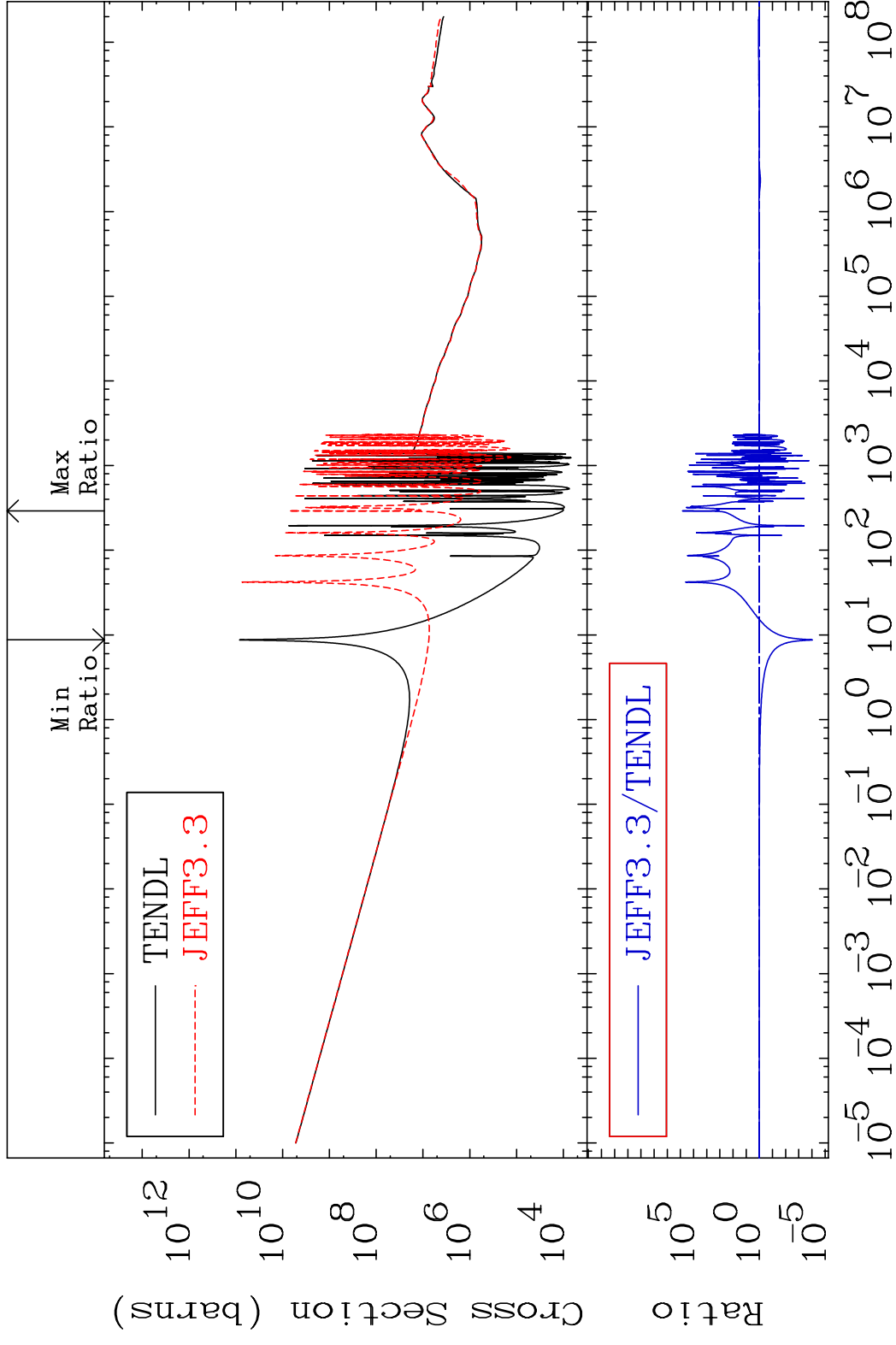


70

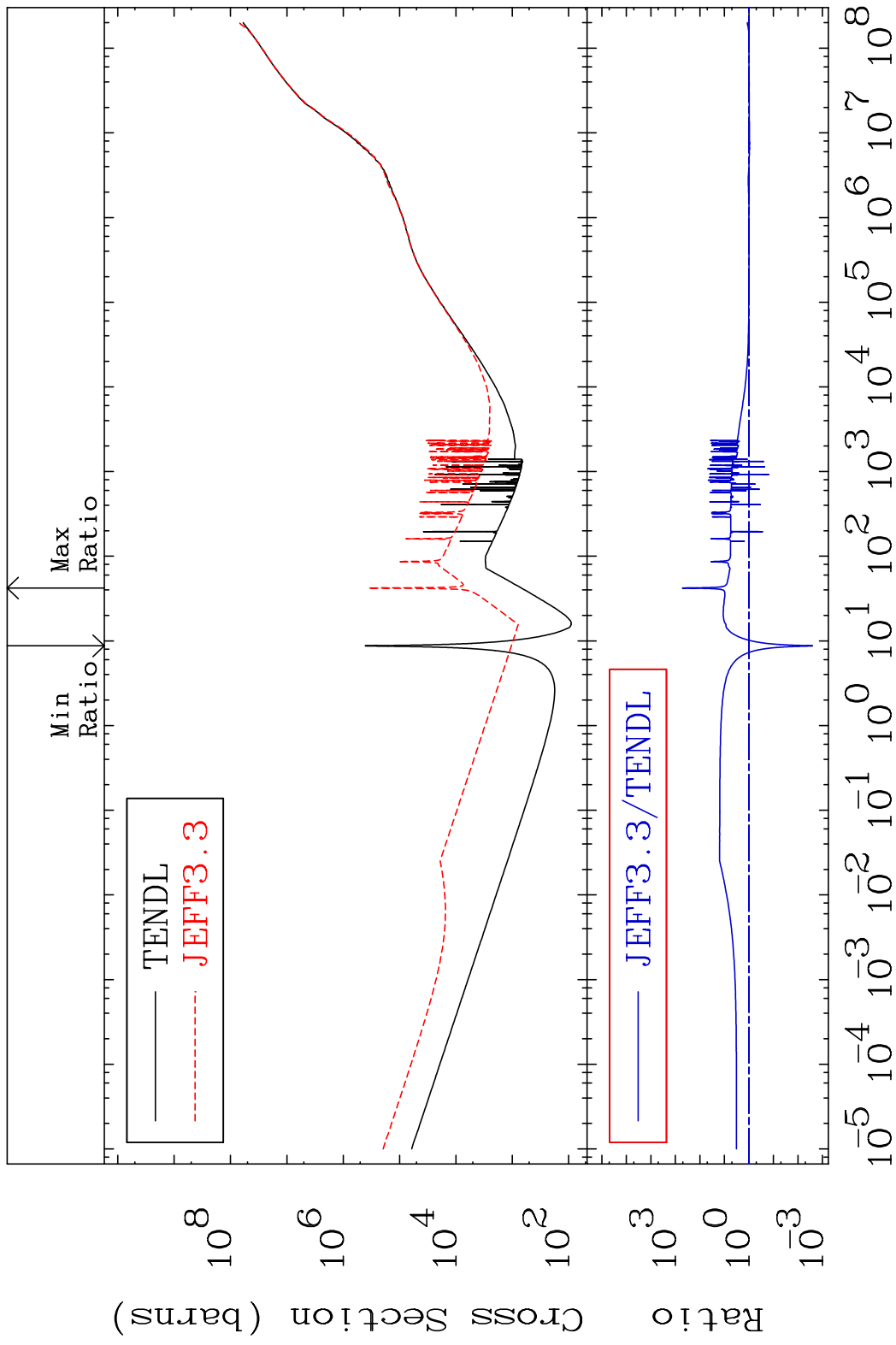
Incident Energy (eV)

41-Nb-92

MAT 4122 Total photon (eV-barns) 41-Nb-92
 Cross Section -99.99 To 9999. %



MAT 4122 Total kinematic kerma (high limit) 41-Nb-92
 Cross Section -99.75 To 9999. %

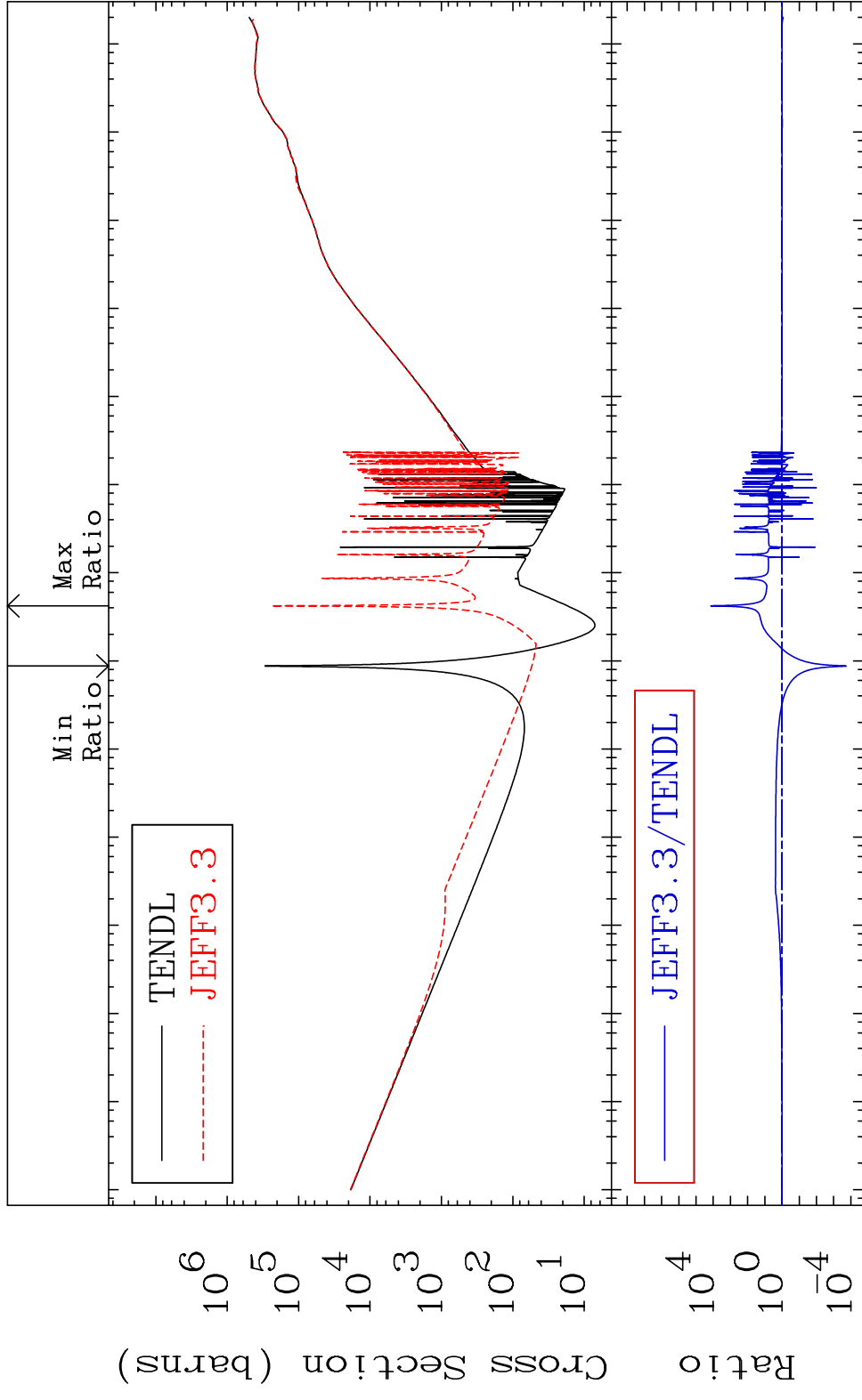


MAT 4122

Dpa total (eV-barns)

41-Nb-92

Cross Section -99.98 To 9999. %



73

Incident Energy (eV)

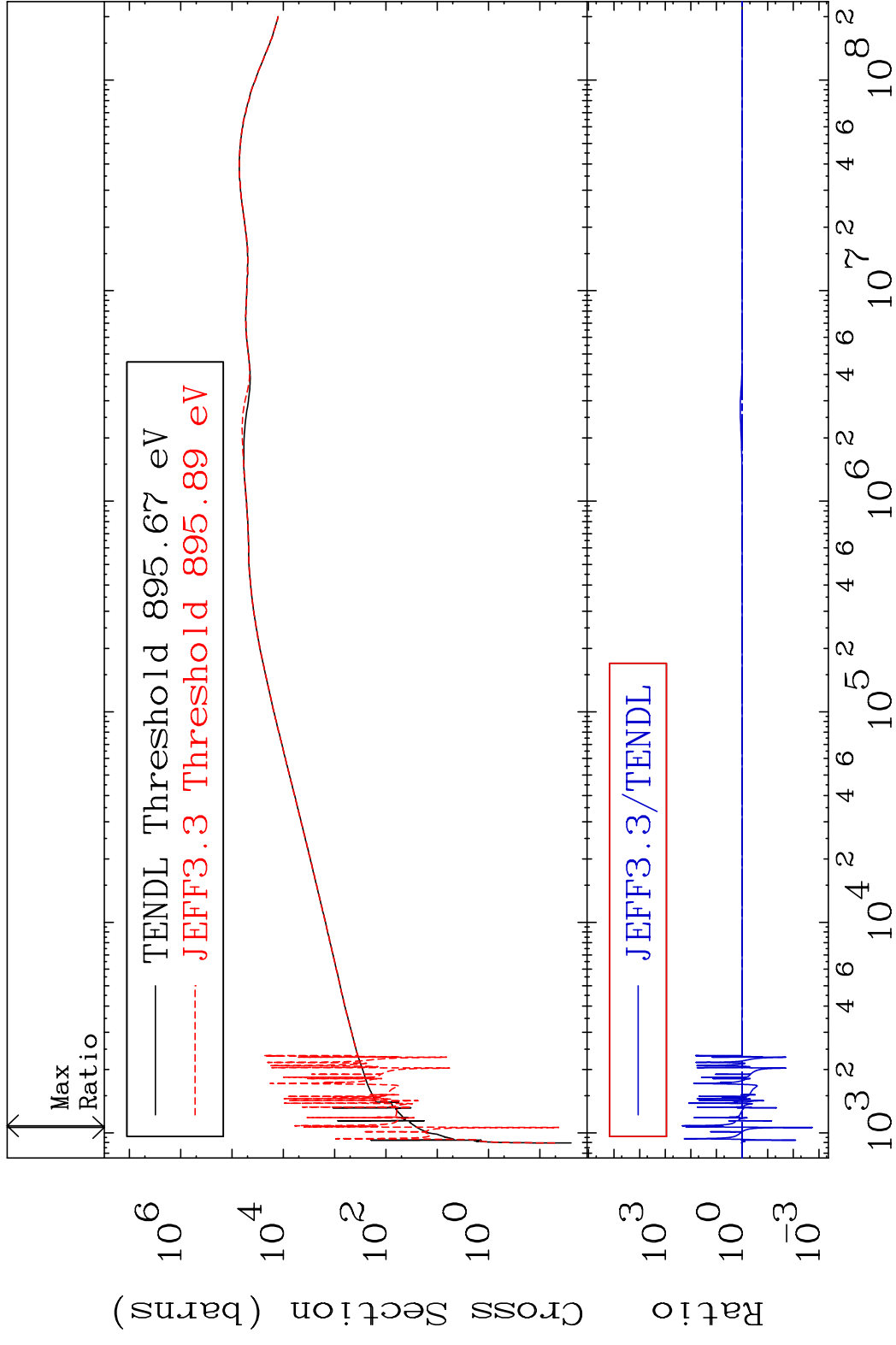
41-Nb-92

MAT 4122

Dpa elastic (mt2)

41-Nb-92

Cross Section -99.82 To 9999. %

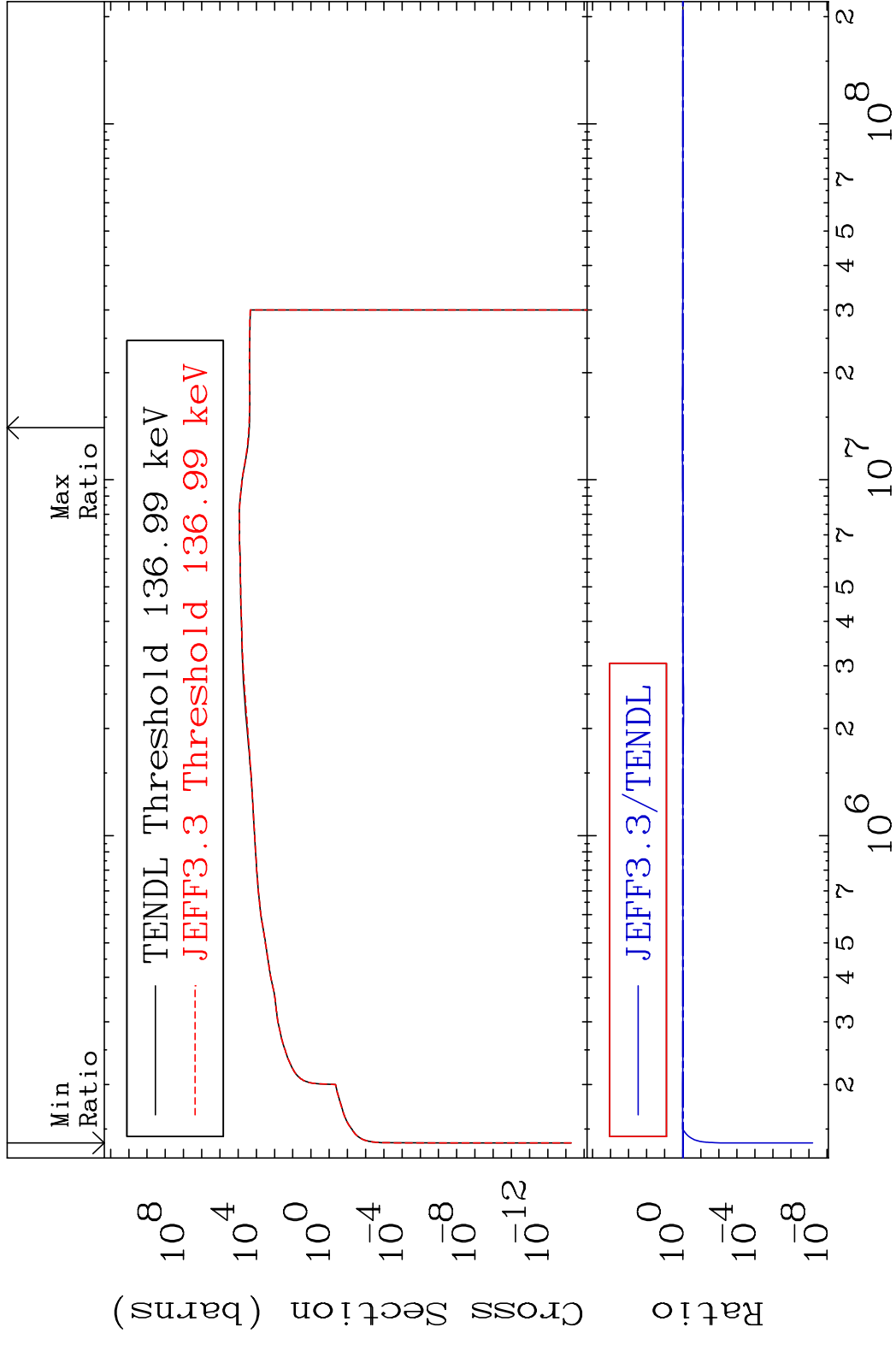


74

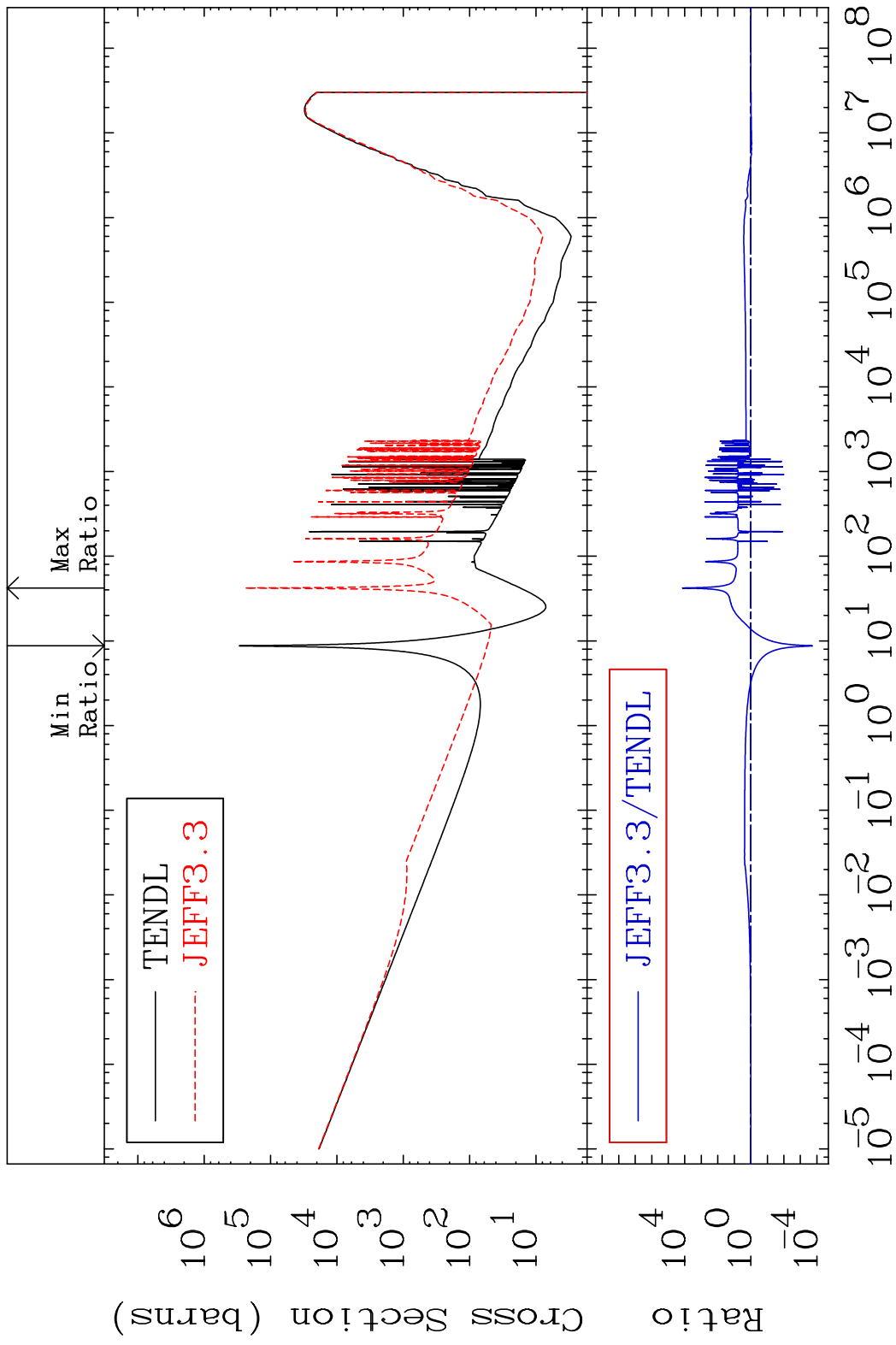
Incident Energy (eV)

41-Nb-92

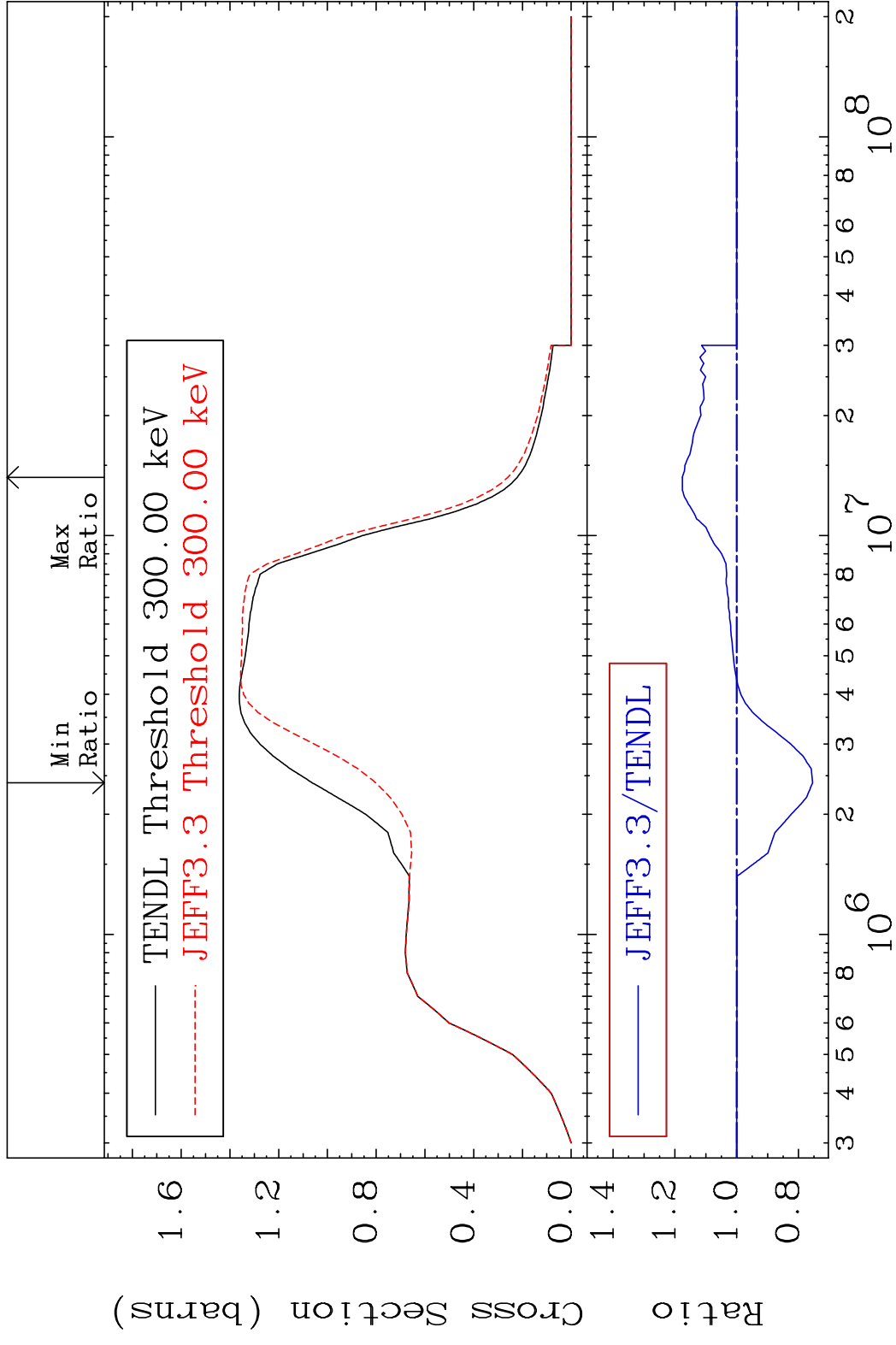
MAT 4122 Dpa inelastic (mt51-91) 41-Nb-92
 Cross Section -100.0 To 5.082 %



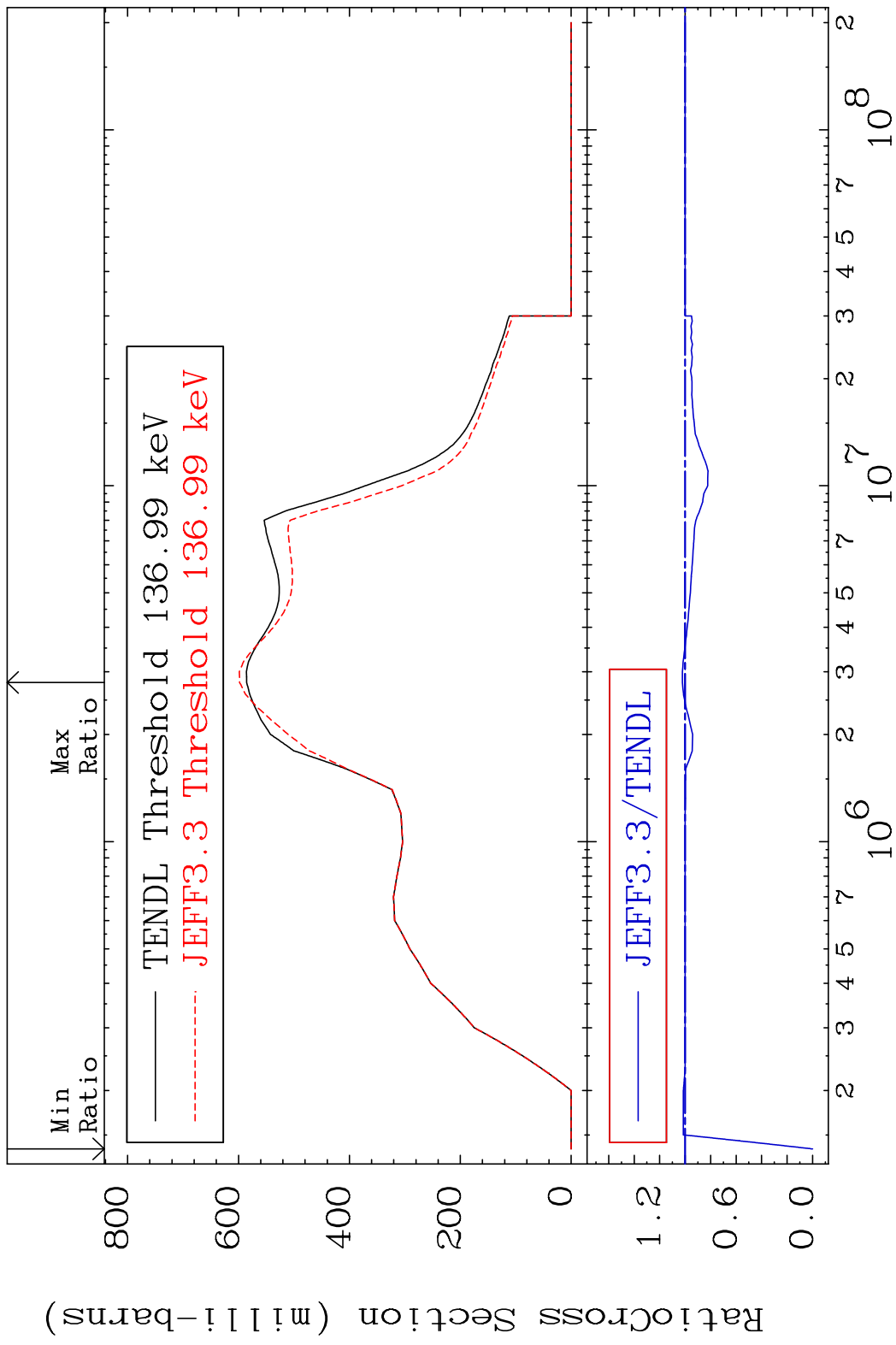
MAT 4122 Dpa disappearance (mt102 -120) 41-Nb-92
 Cross Section -99.98 To 9999. %



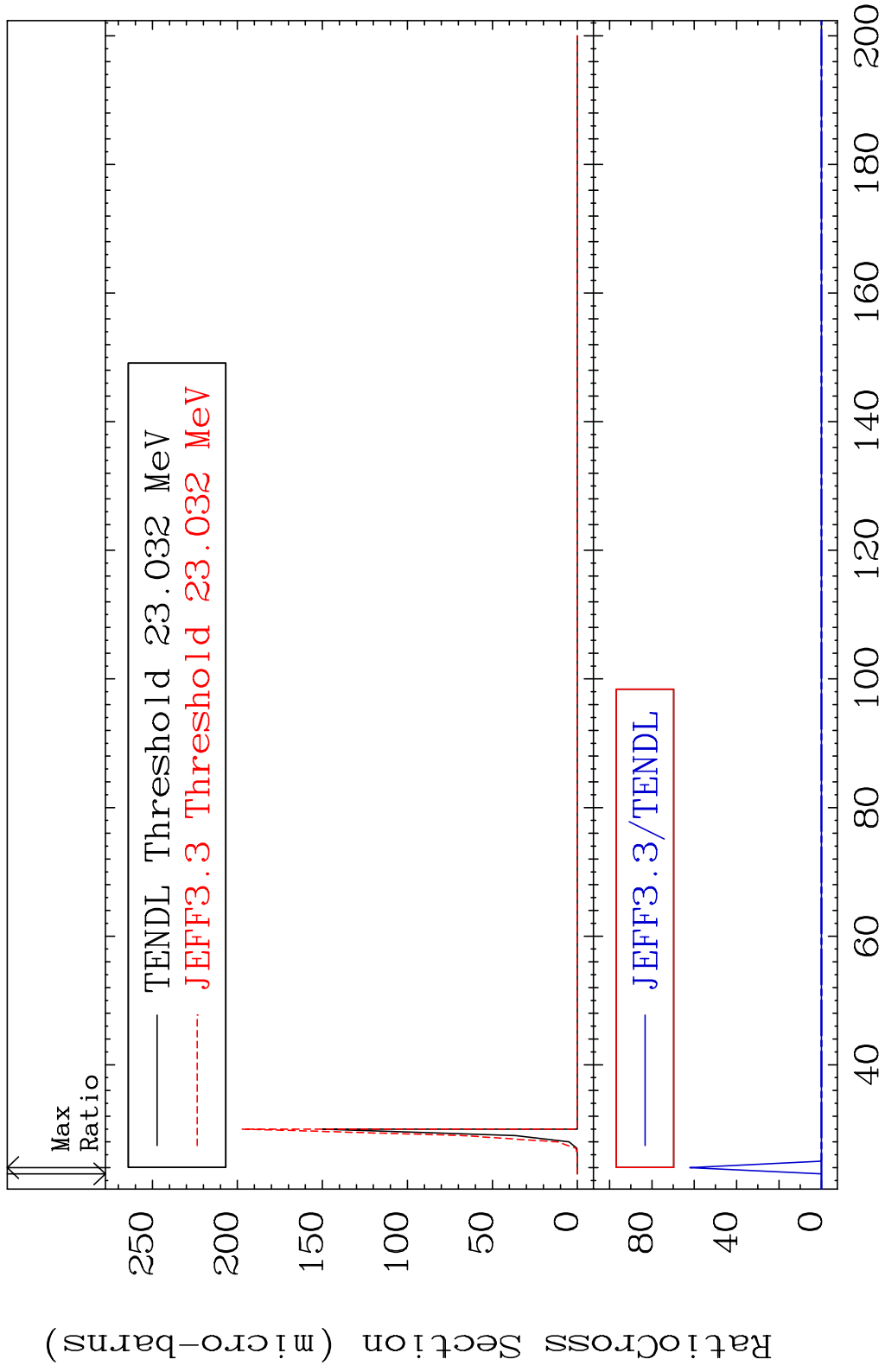
76 Incident Energy (eV) 41-Nb-92



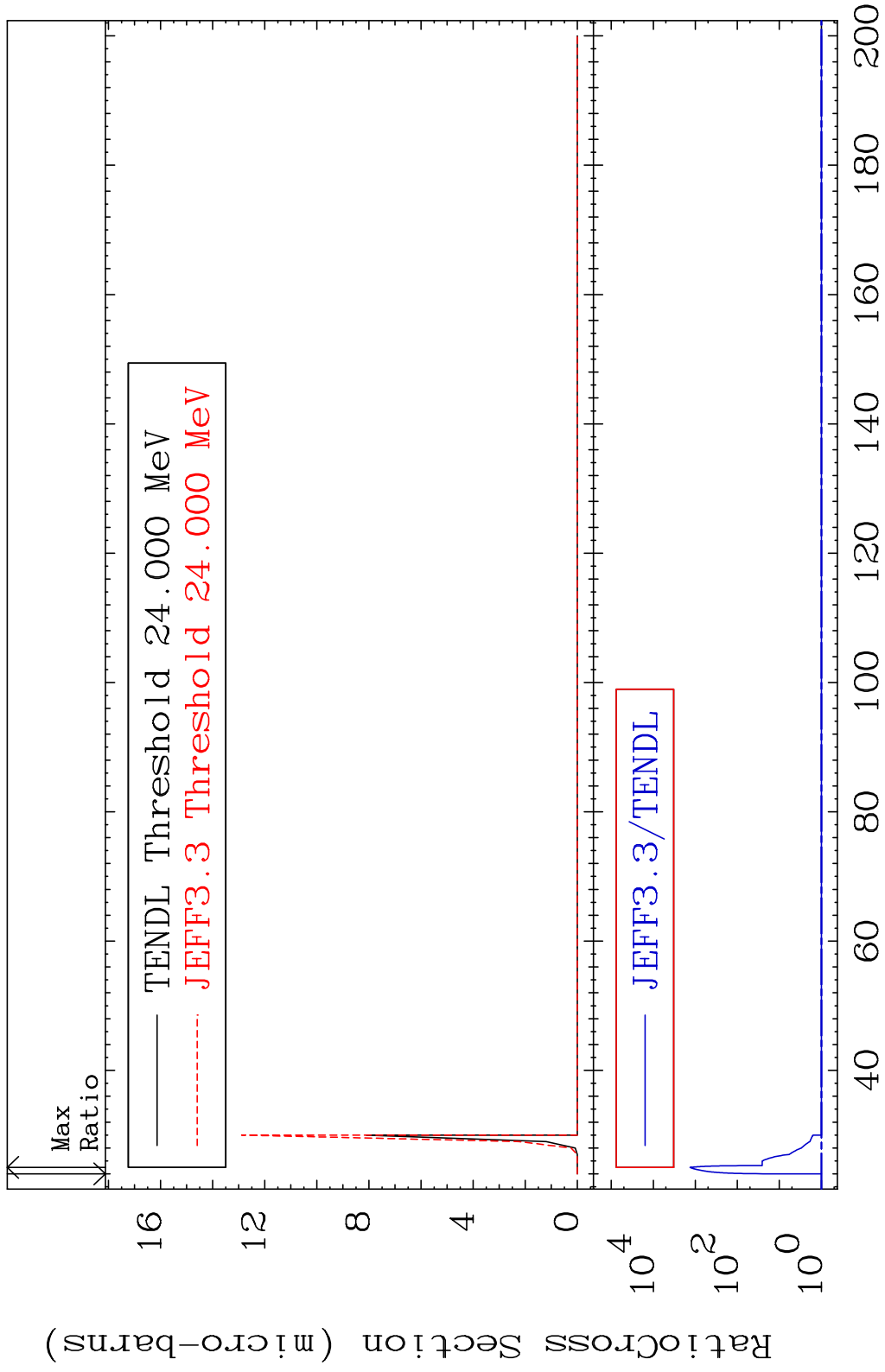
MAT 4122 Inelastic: 41-Nb-92m1 41-Nb-92
 Radionuclide Production Cross Section Ratio 2.179 %



MAT 4122 (n,2n) d:40-Zr-89g 41-Nb-92
 Radionuclide Production Cross Section 1800 to 9999. %

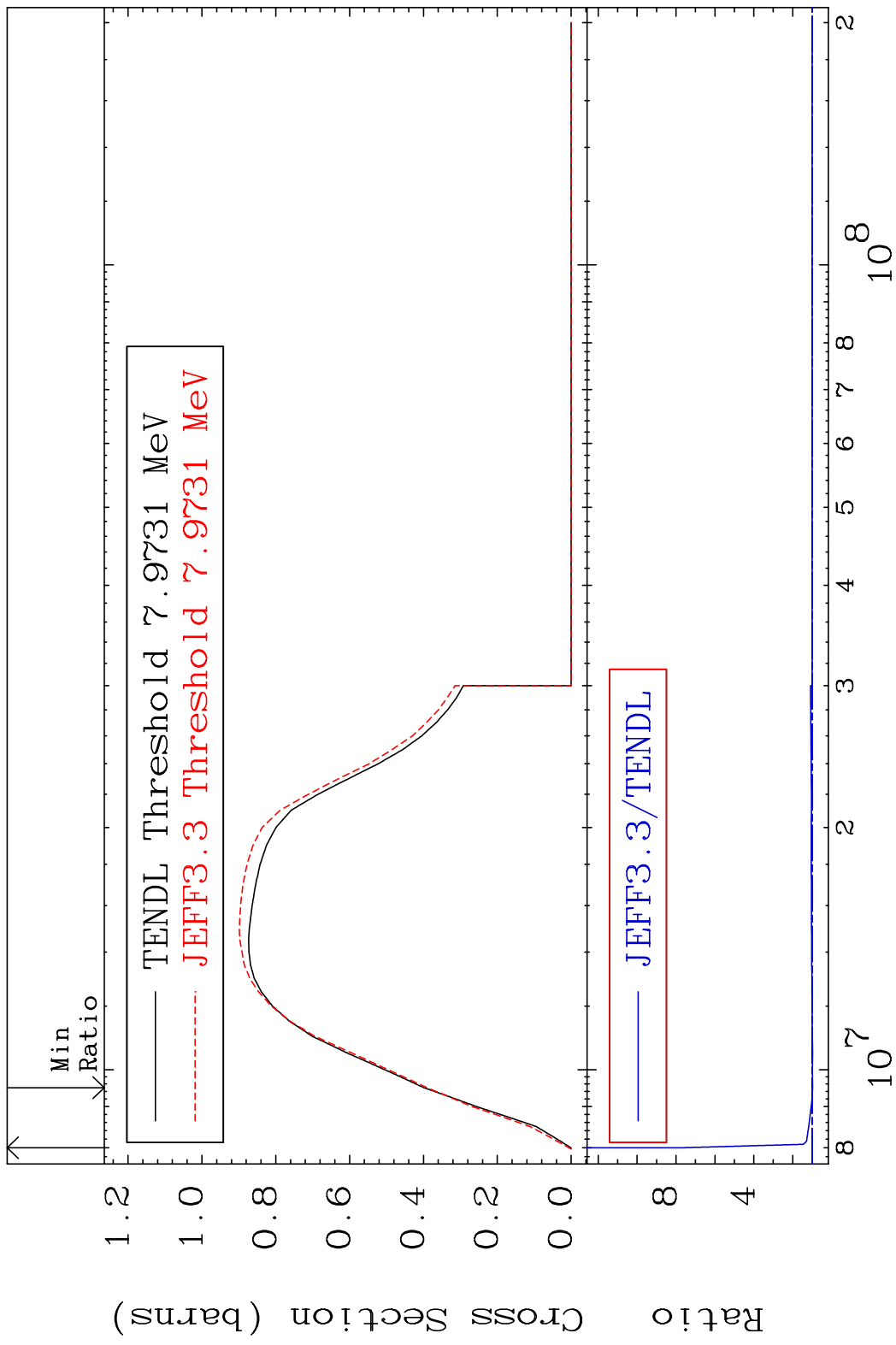


MAT 4122 (n,2n) d:40-Zr-89m1 41-Nb-92
 Radionuclide Production Cross Section 9999. %

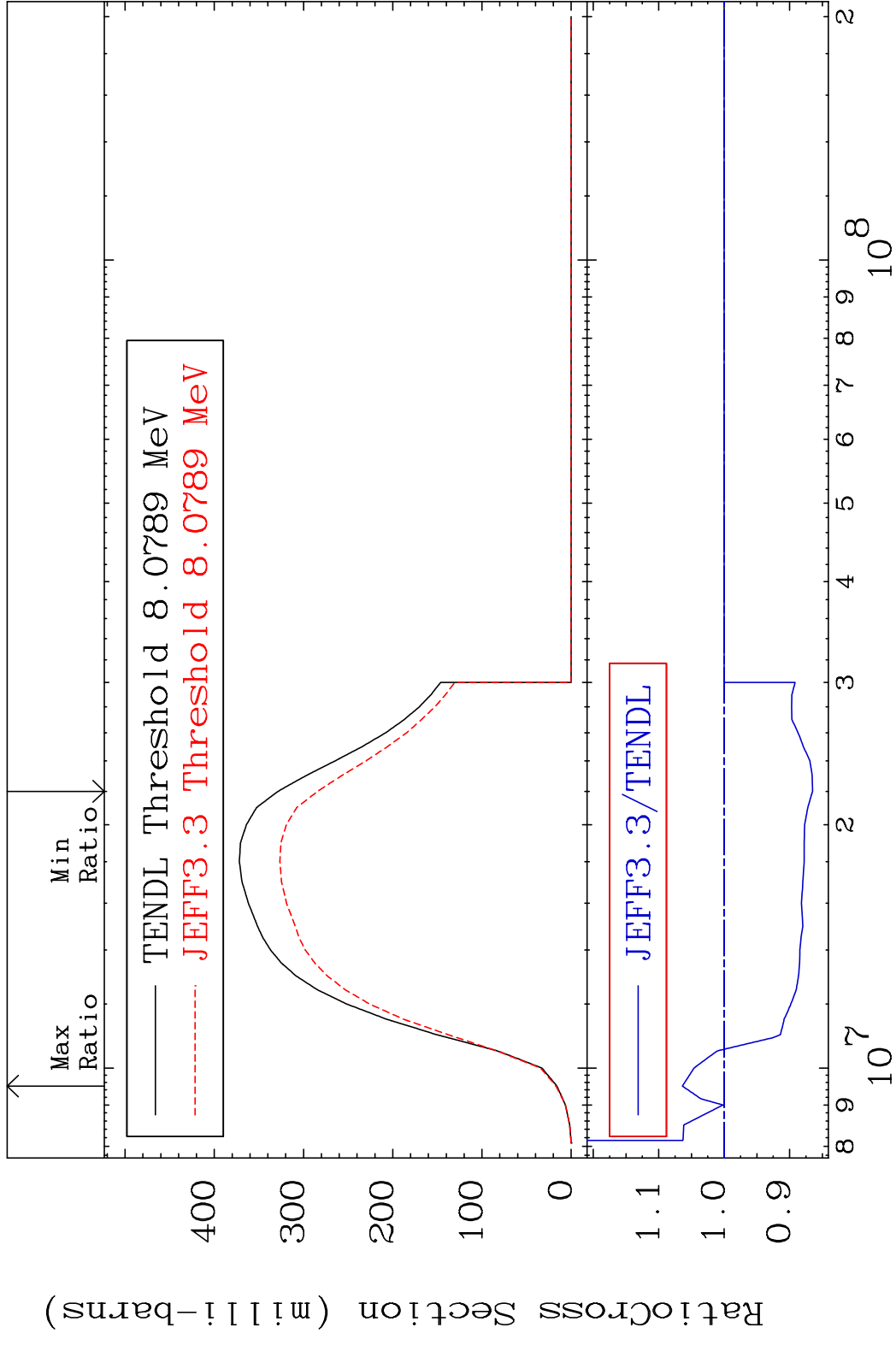


80 Incident Energy (MeV) 41-Nb-92

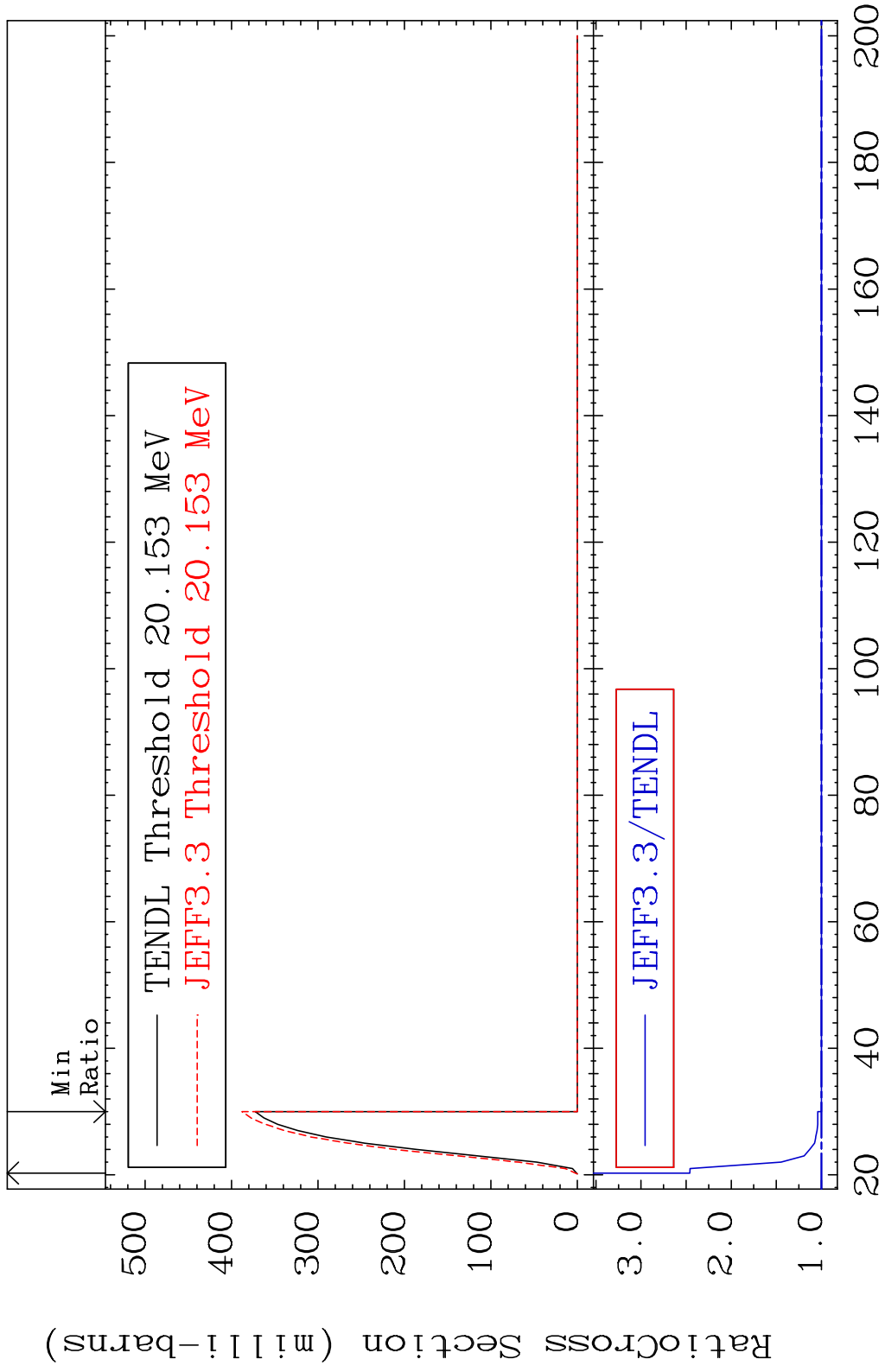
MAT 4122 (n,2n):41-Nb-91g 41-Nb-92
 Radionuclide Production Cross Section 667.3 %



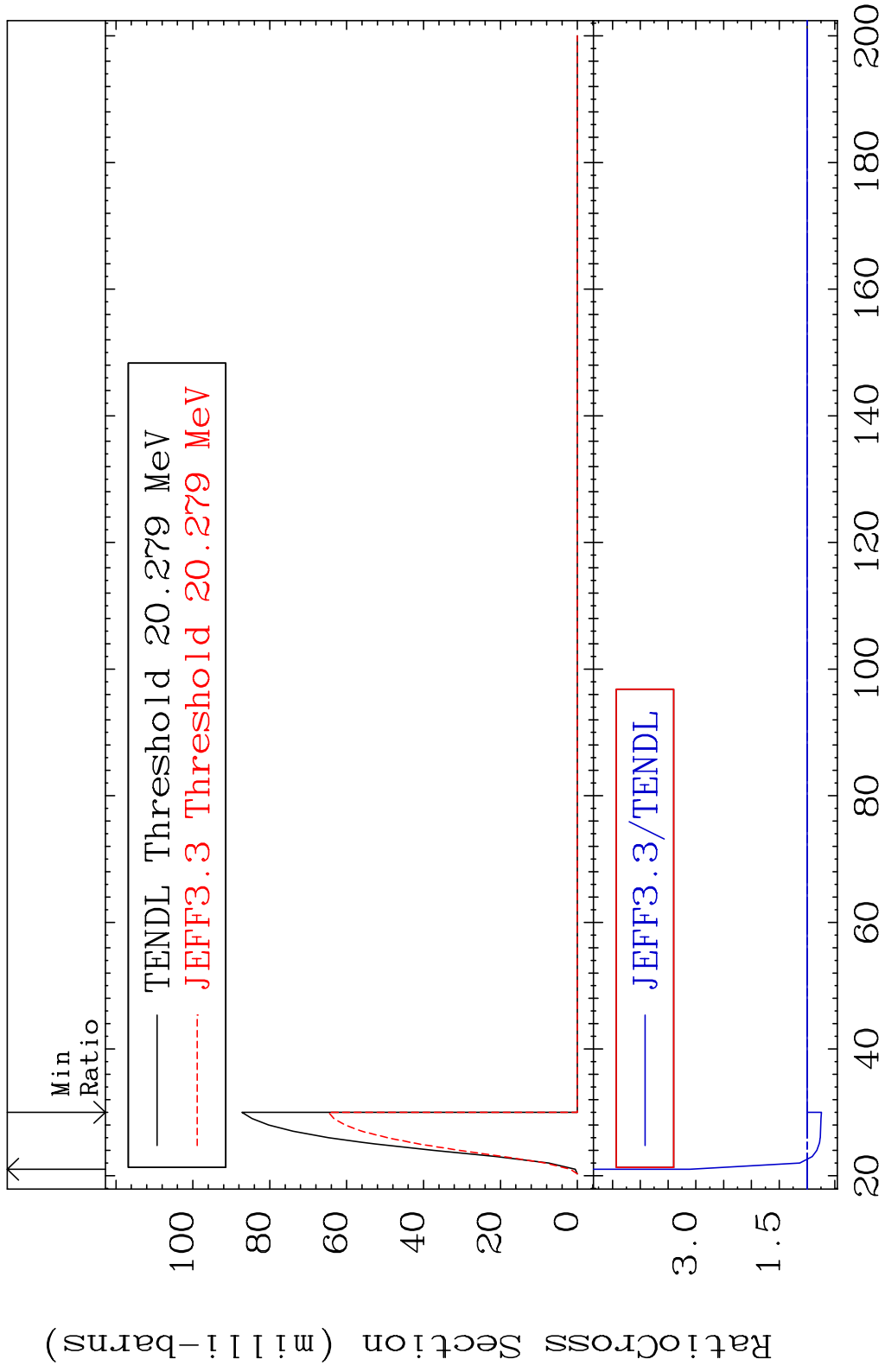
MAT 4122 (n,2n):41-Nb-91m1 41-Nb-92
 Radionuclide Production Cross Section 6.389 %



MAT 4122 (n,3n):41-Nb-90g 41-Nb-92
 Radionuclide Production Cross Section 146.0 %

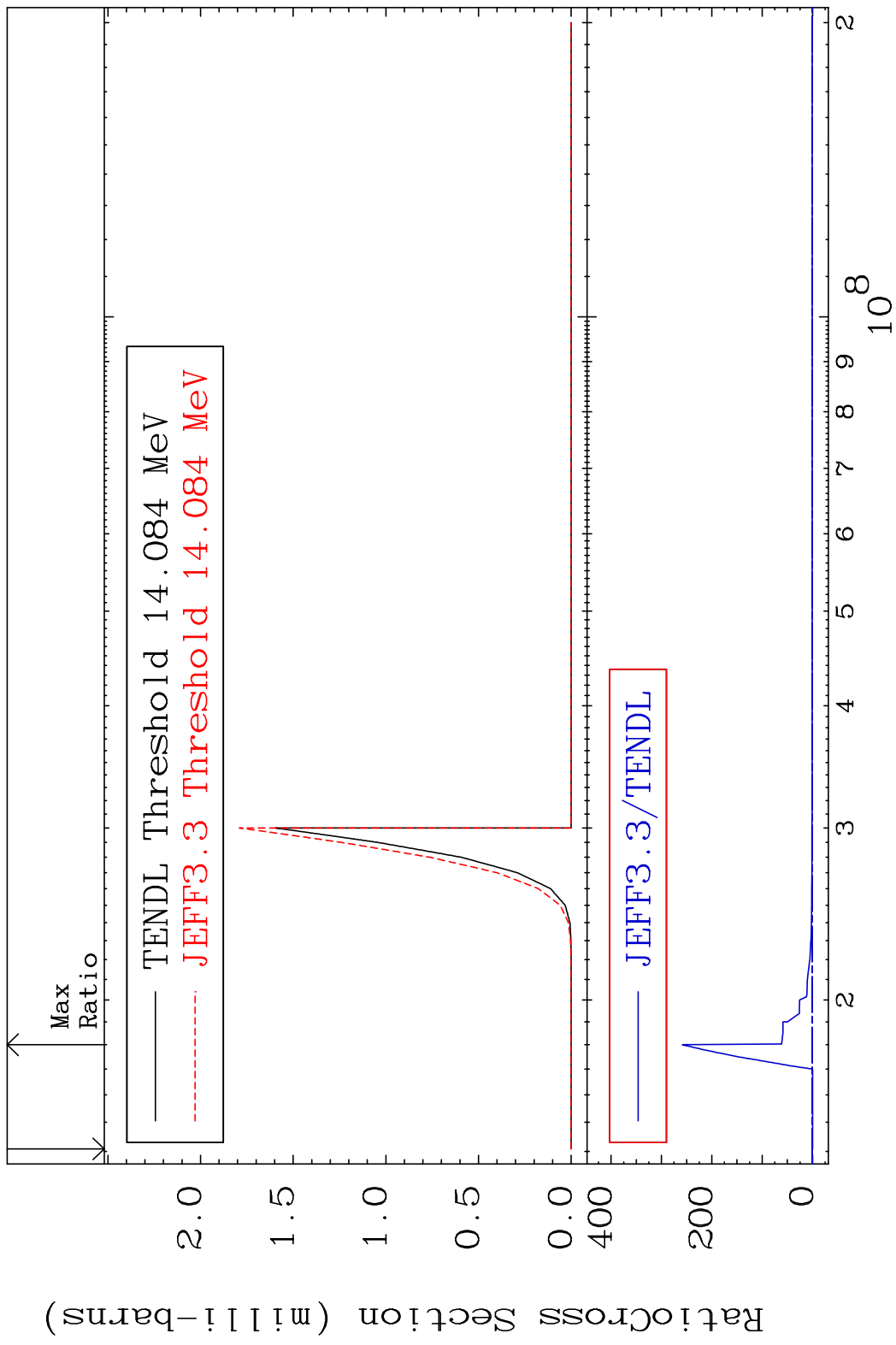


MAT 4122 (n,3n):41-Nb-90m2 41-Nb-92
 Radionuclide Production Cross Section 211.0 %

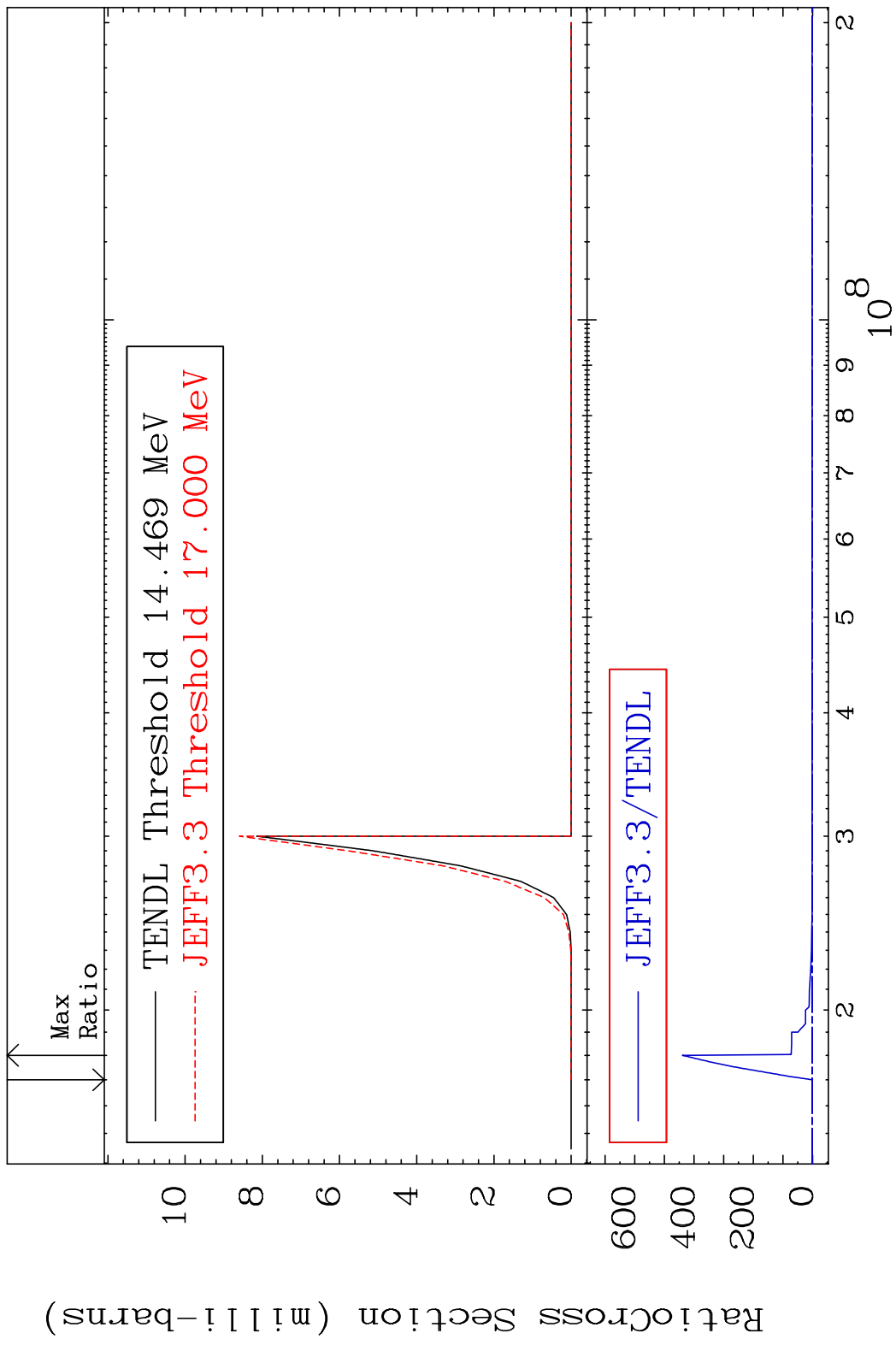


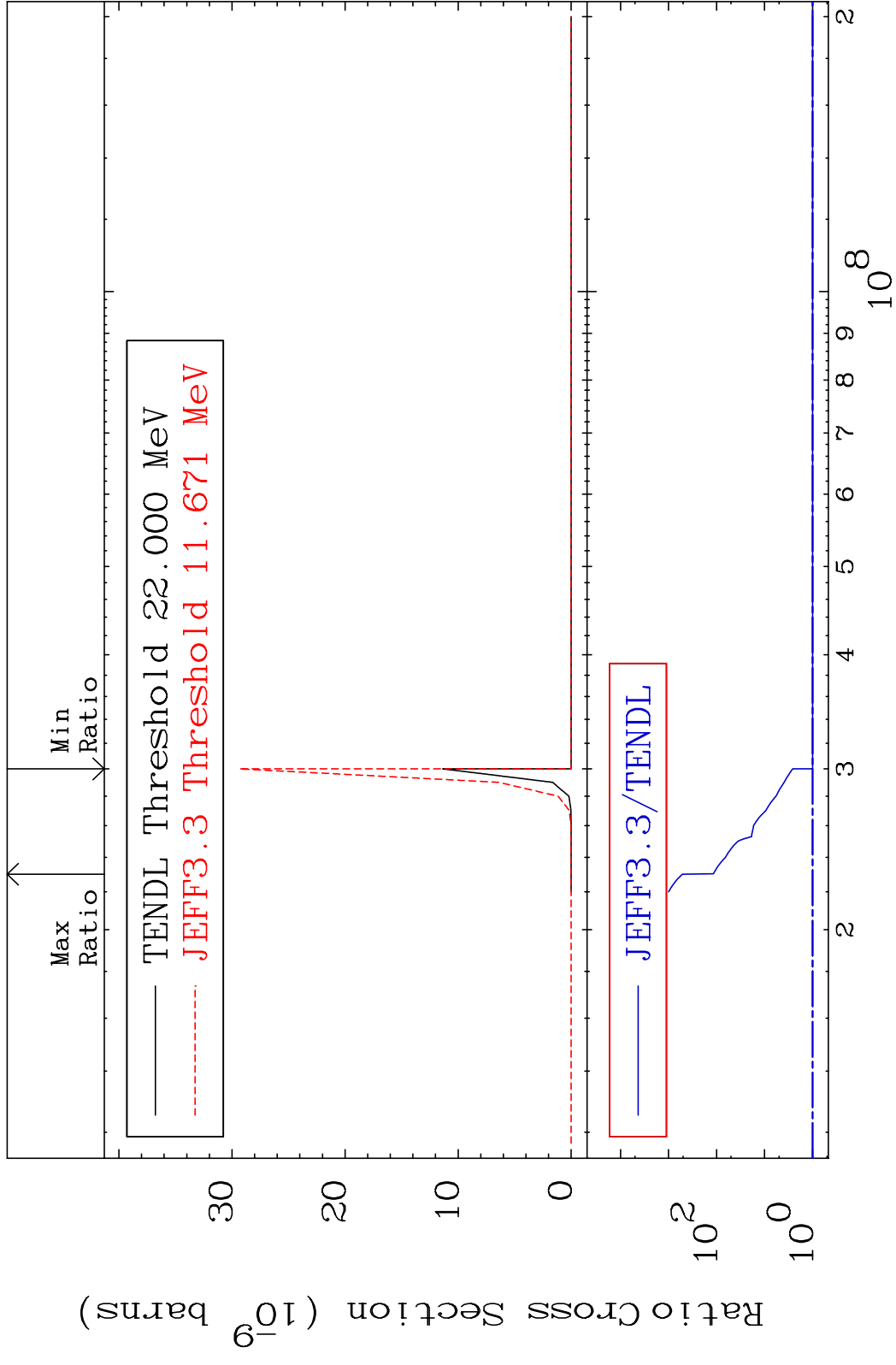
84 Incident Energy (MeV) 41-Nb-92

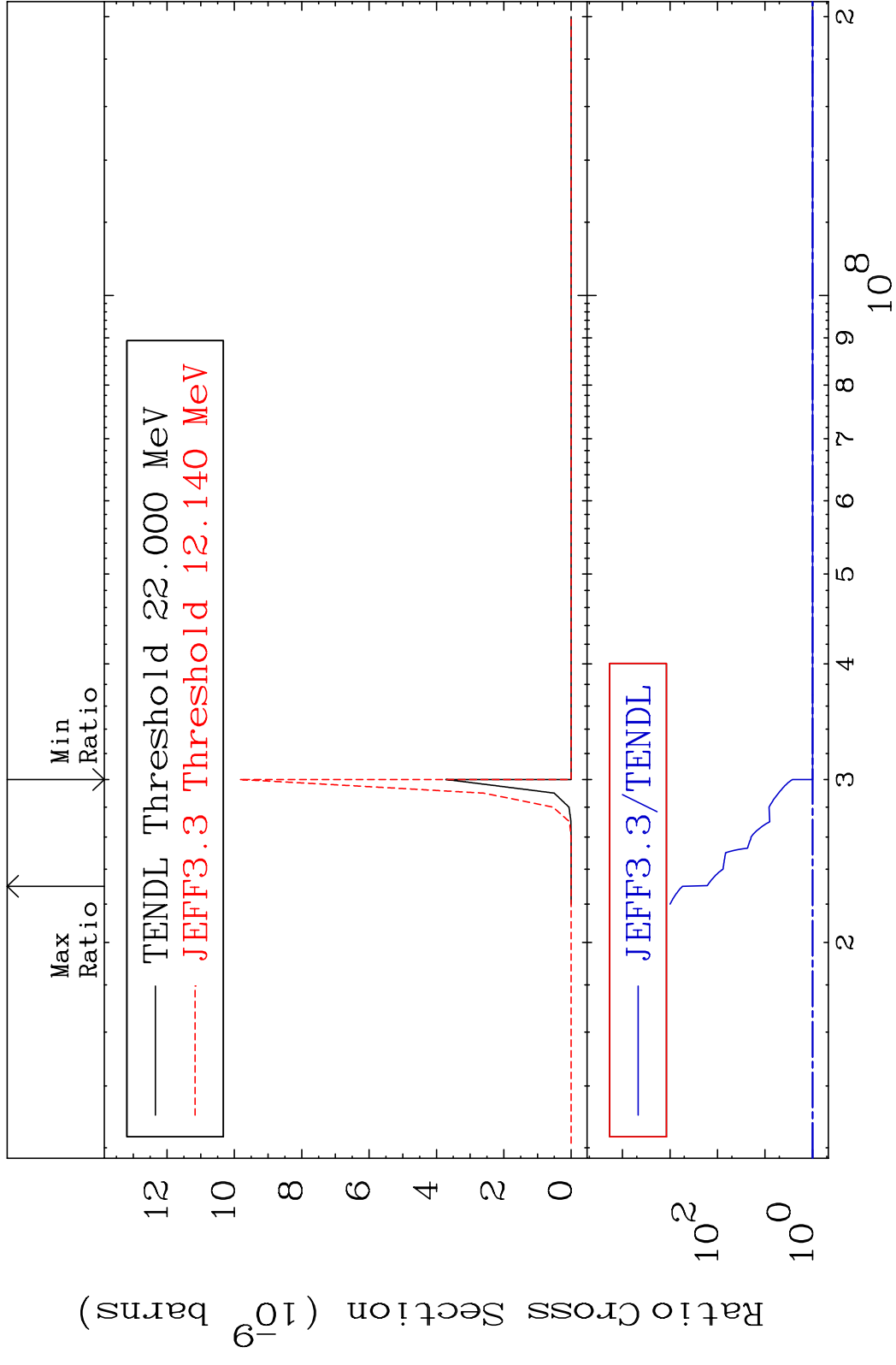
MAT 4122 (n,2n) α :39-Y -87g 41-Nb-92
 Radionuclide Production Cross Section Ratio 9999. %

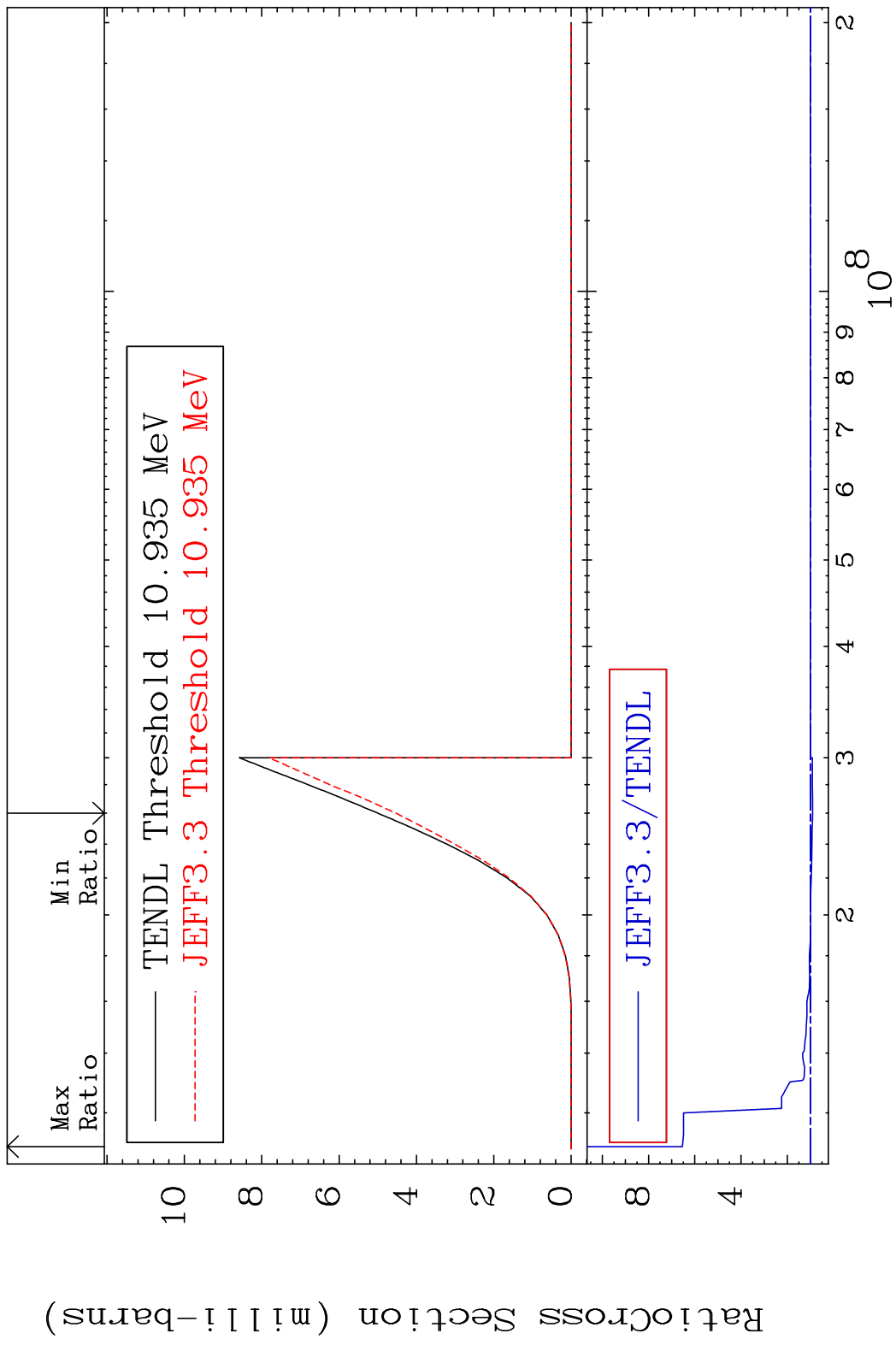


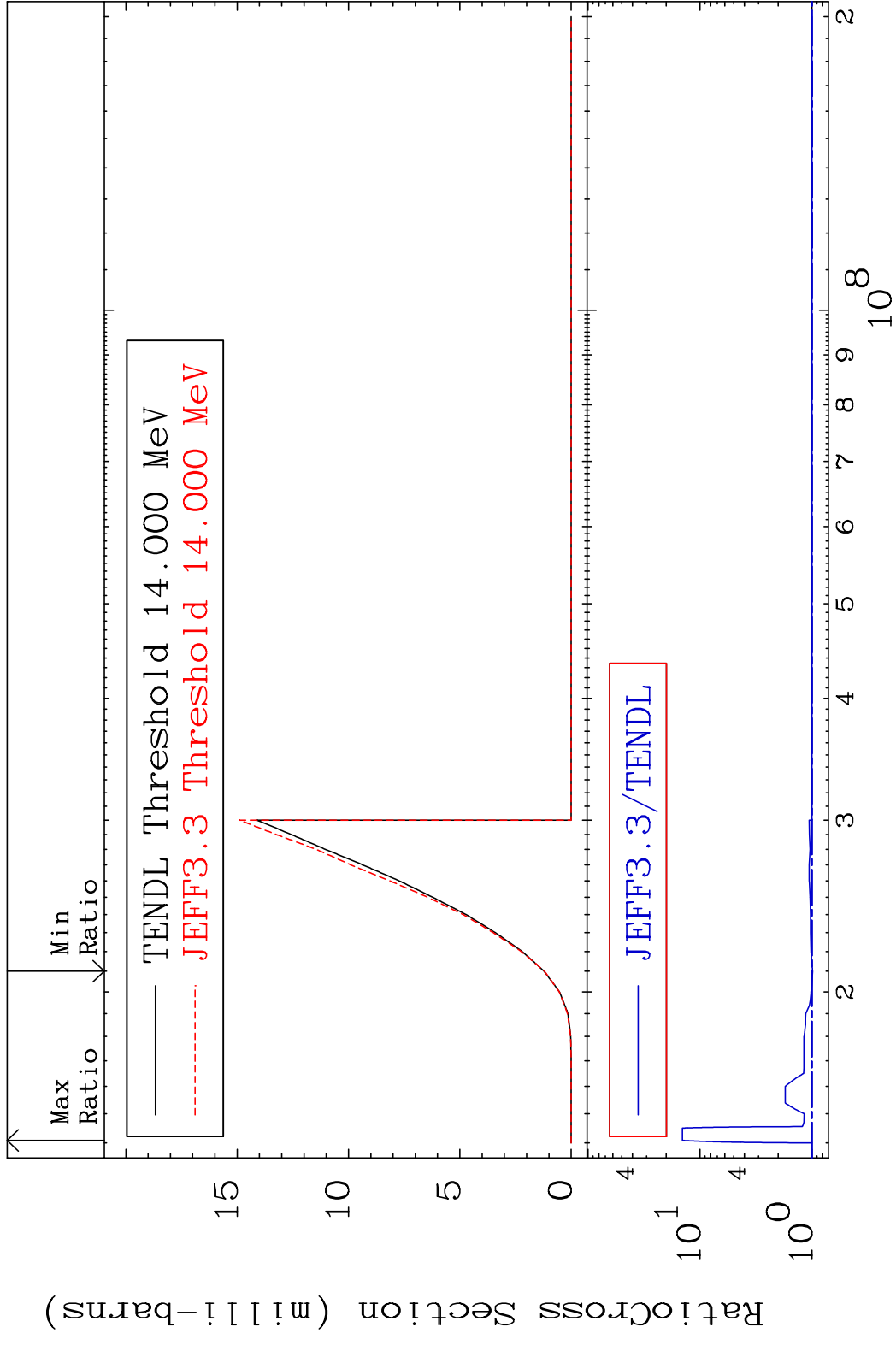
MAT 4122 (n,2n) α :39-Y -87m1 41-Nb-92
 Radionuclide Production Cross Section 18000 dth 9999. %



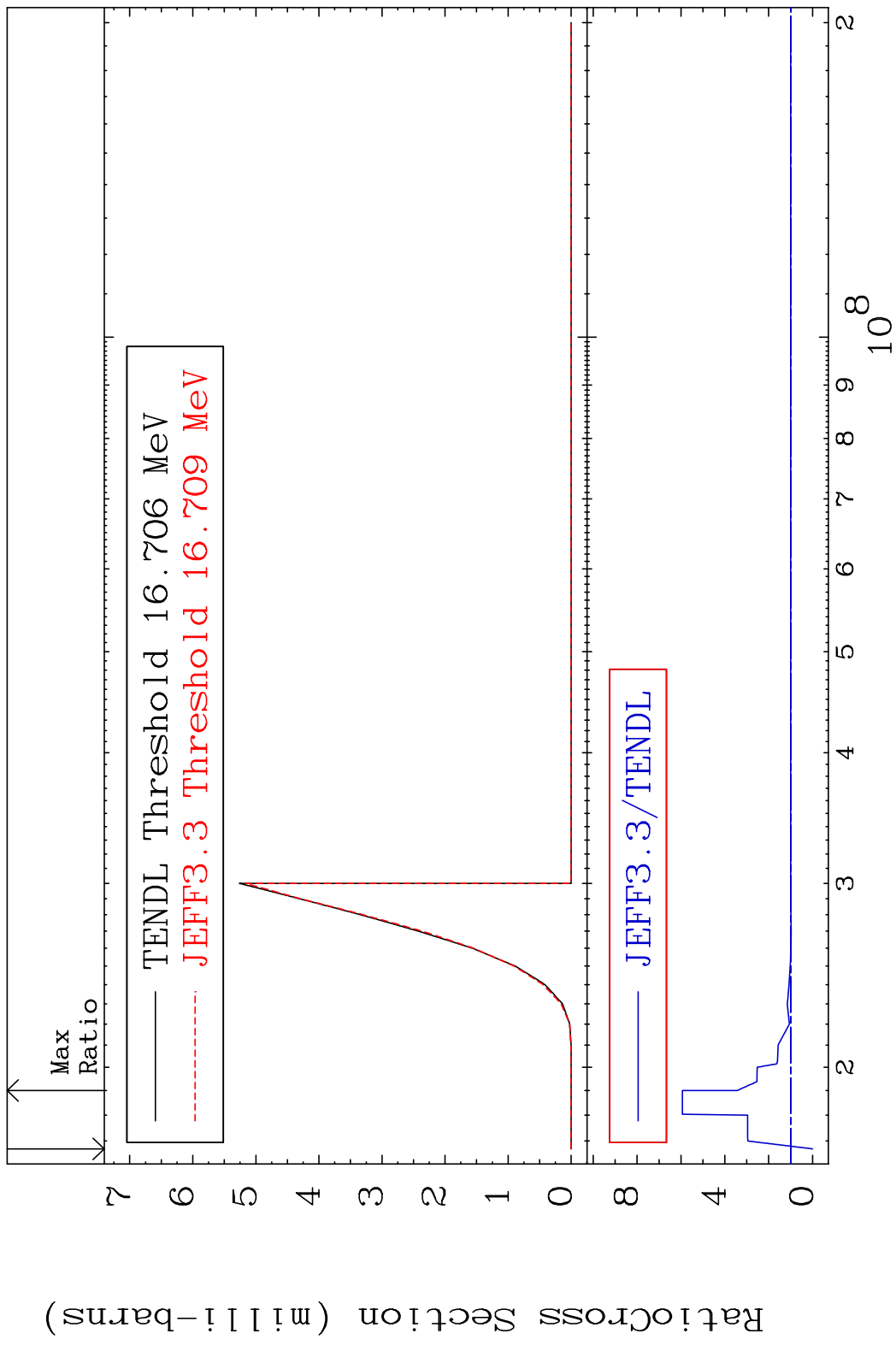


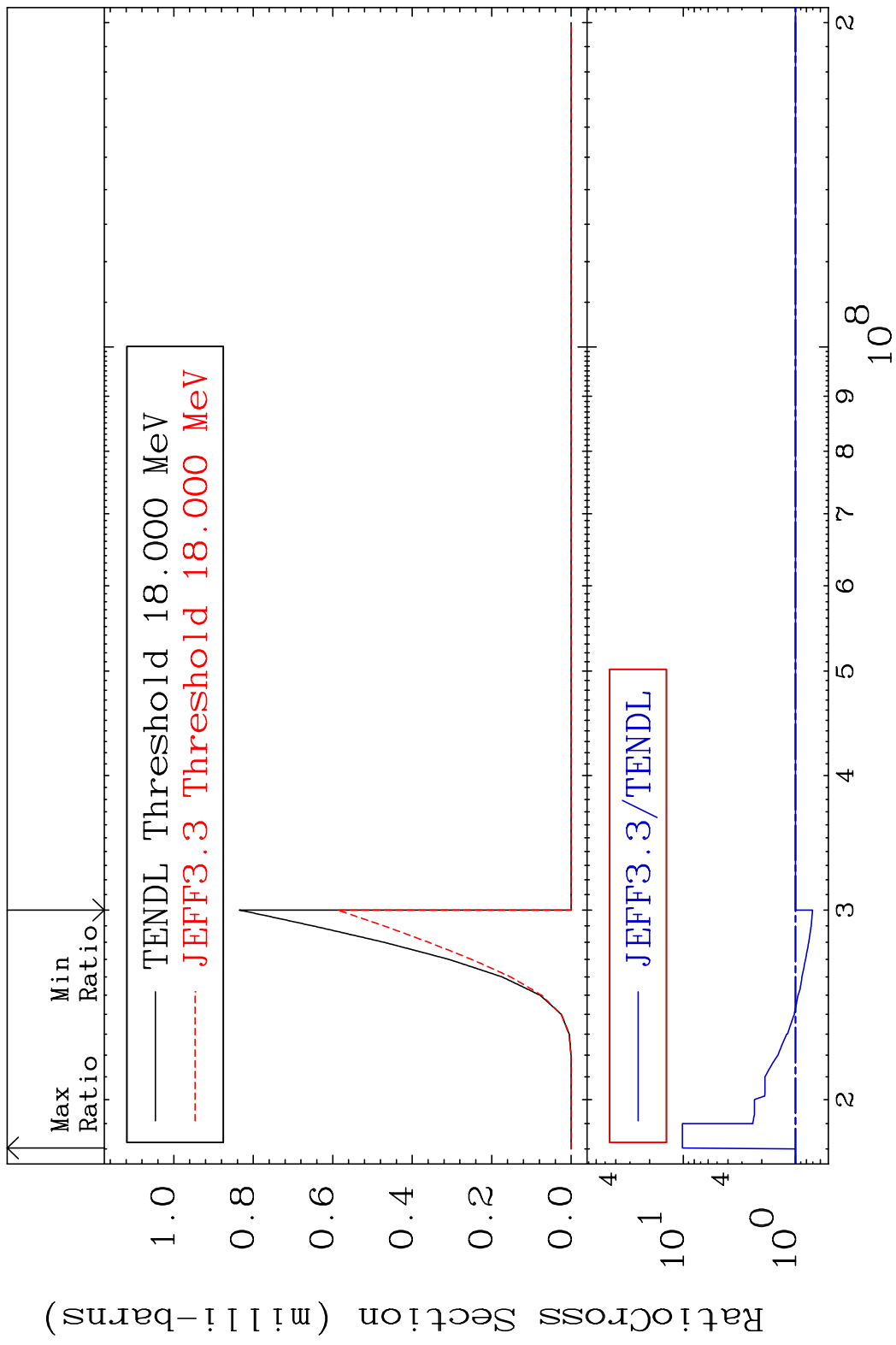


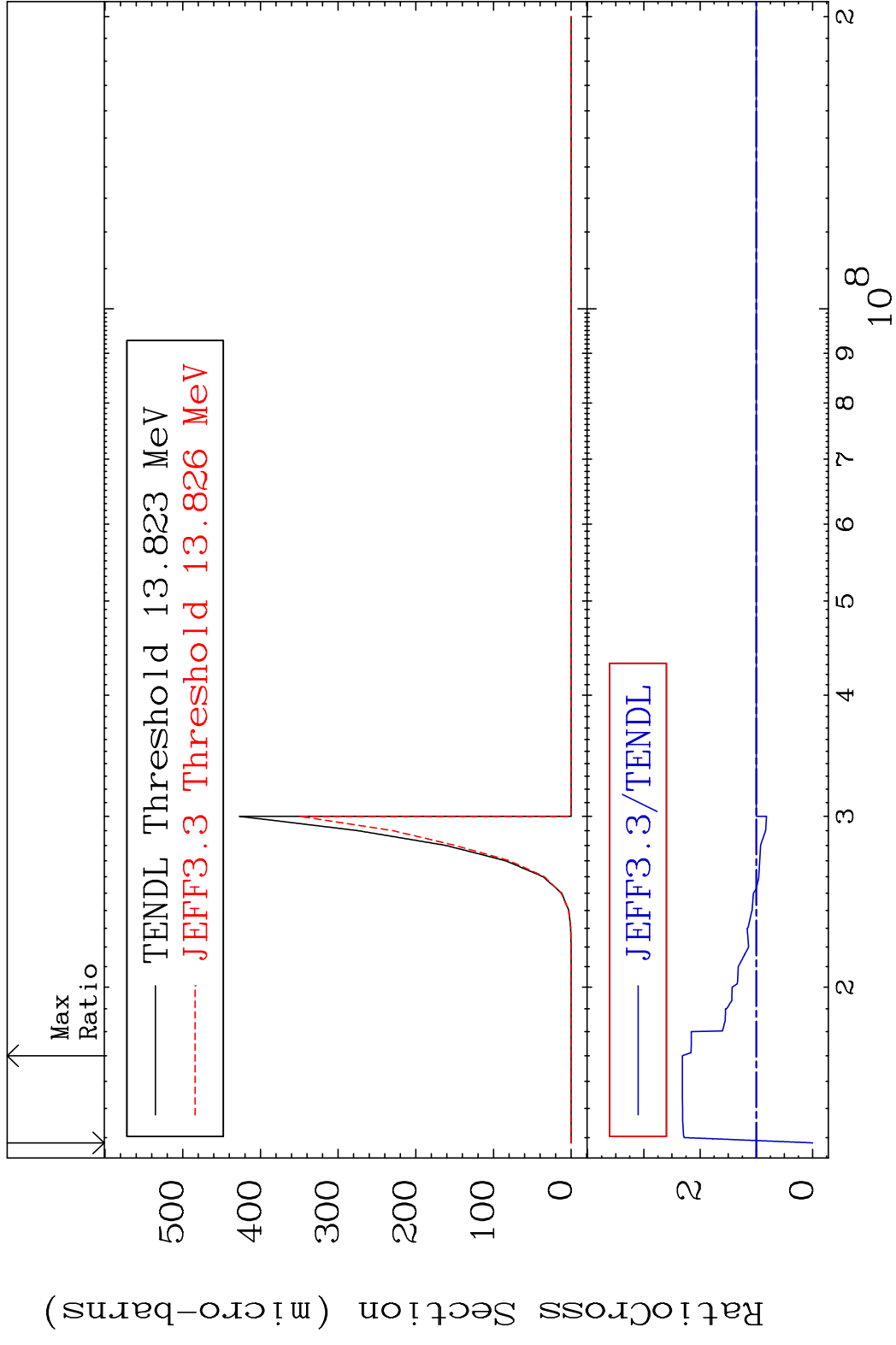


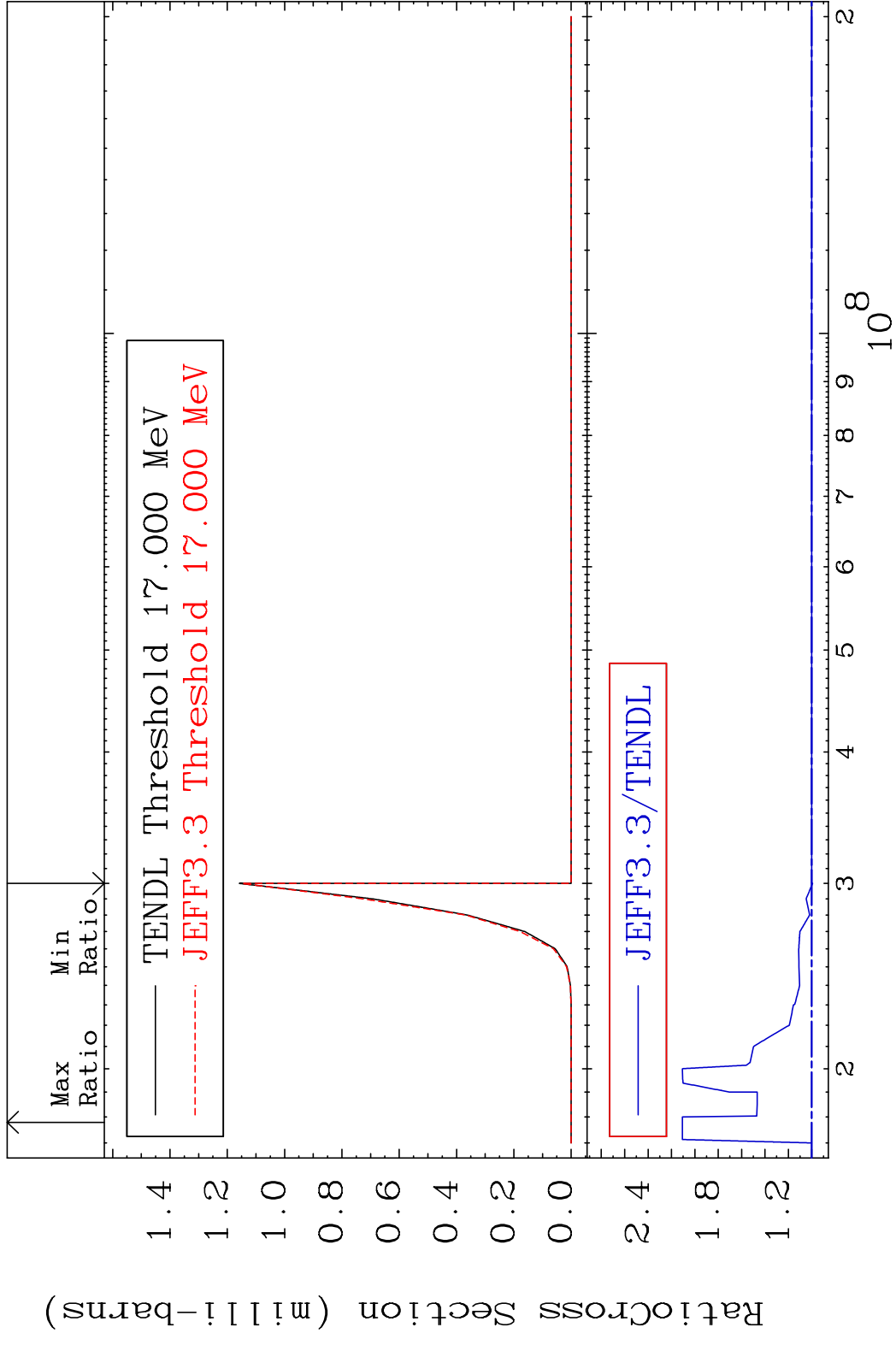


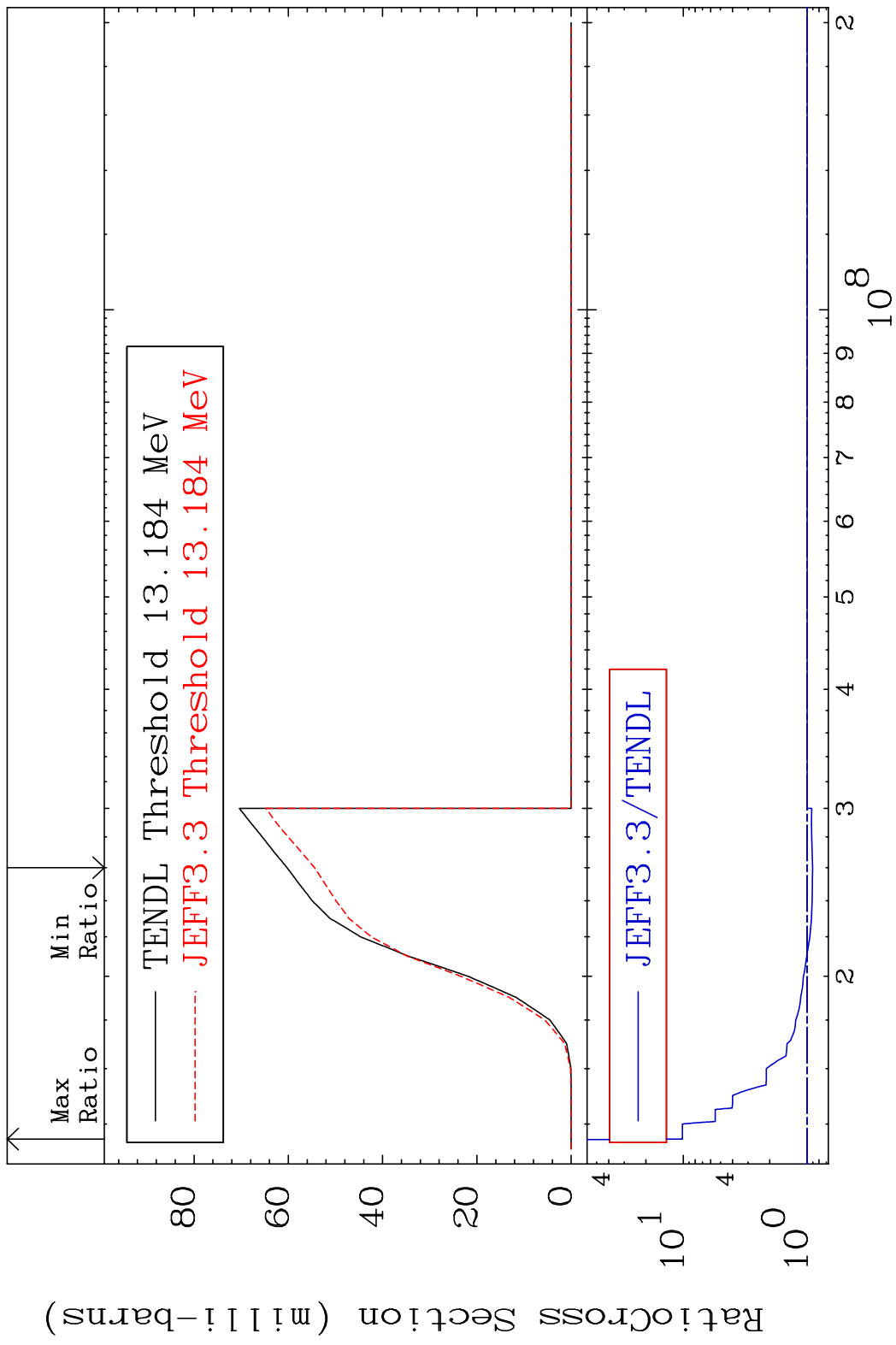
MAT 4122 (n, n') t:40-Zr-89g 41-Nb-92
 Radionuclide Production Cross Section 180.01 dth 493.7 %

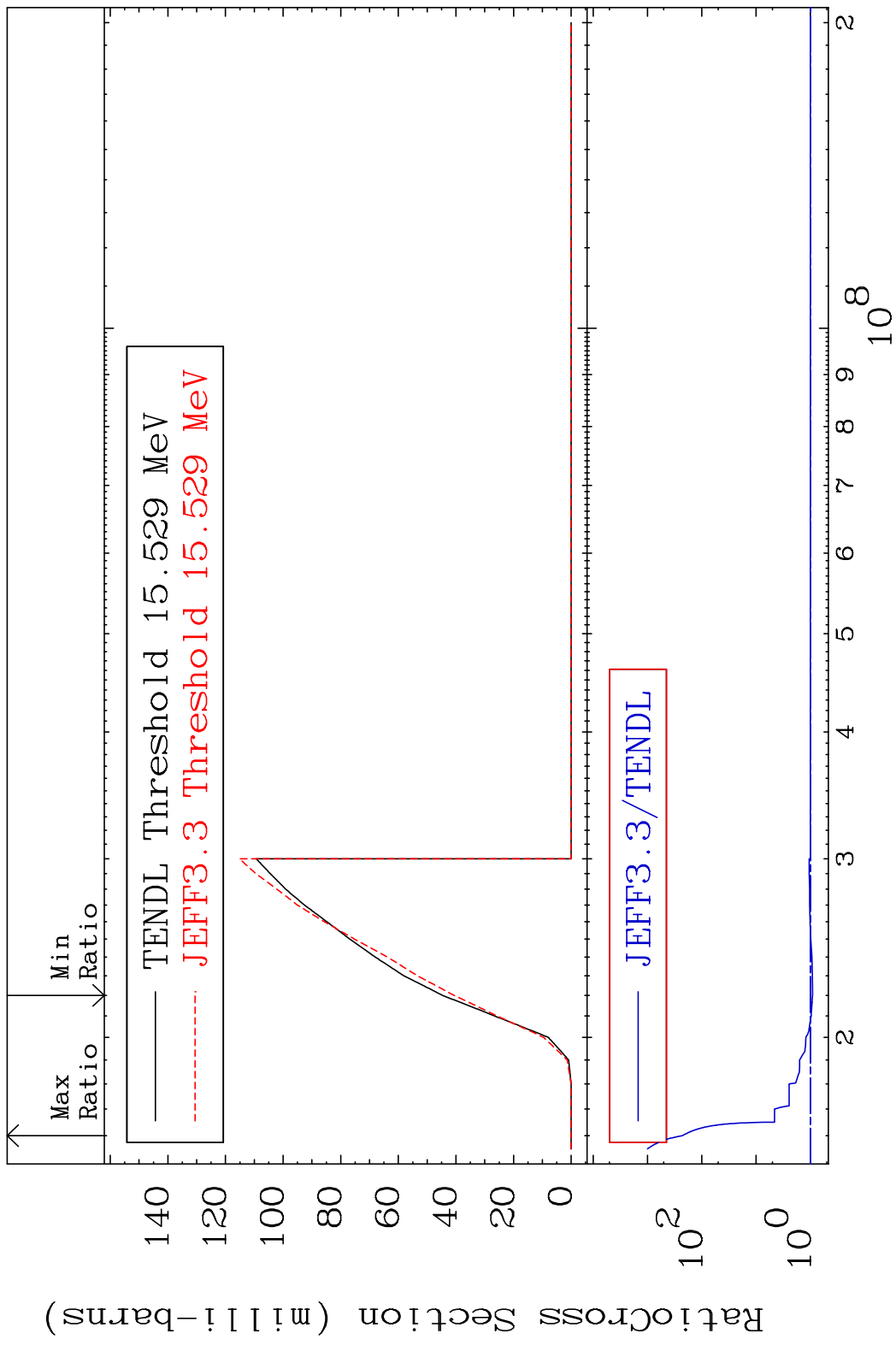


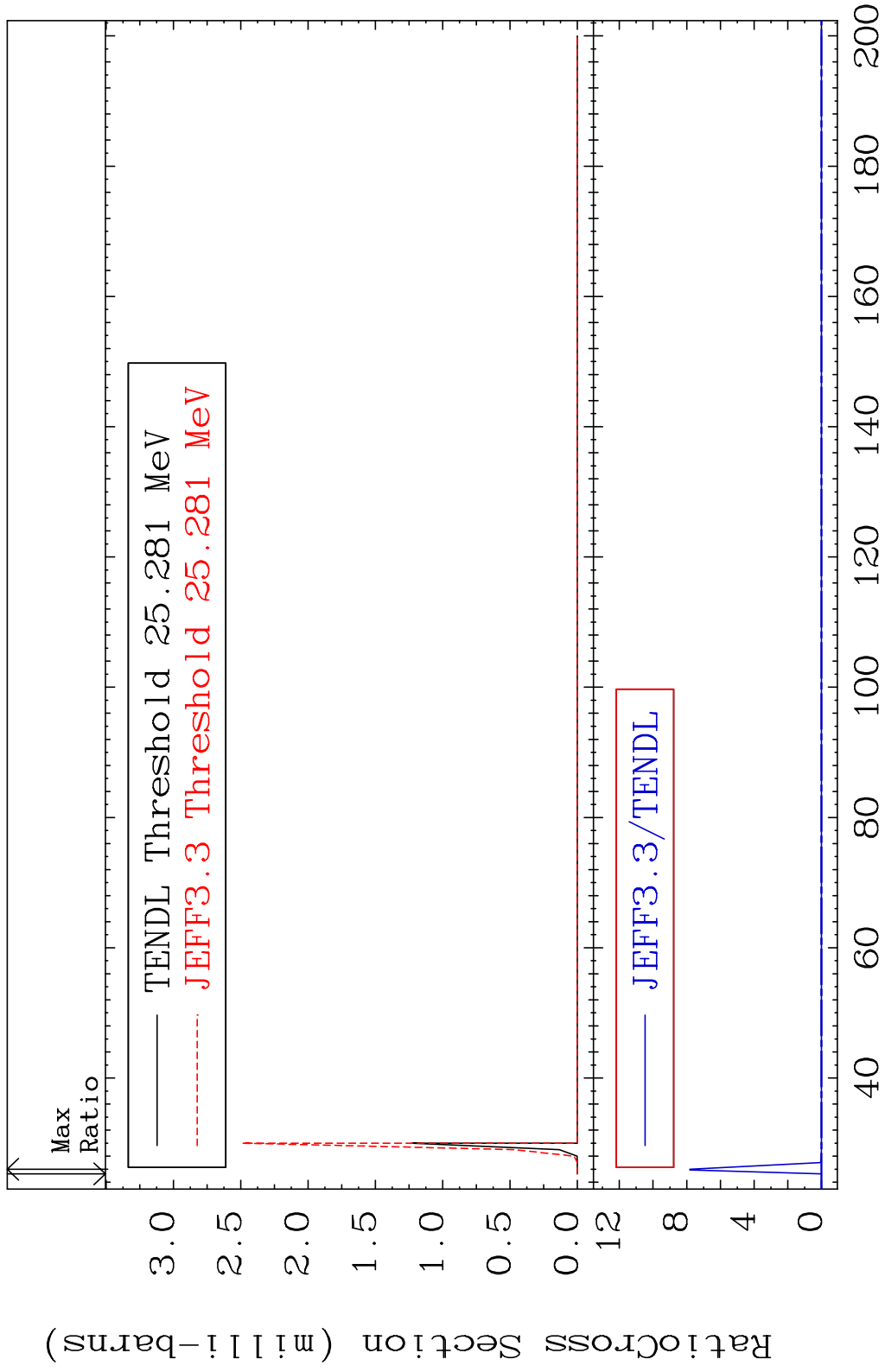




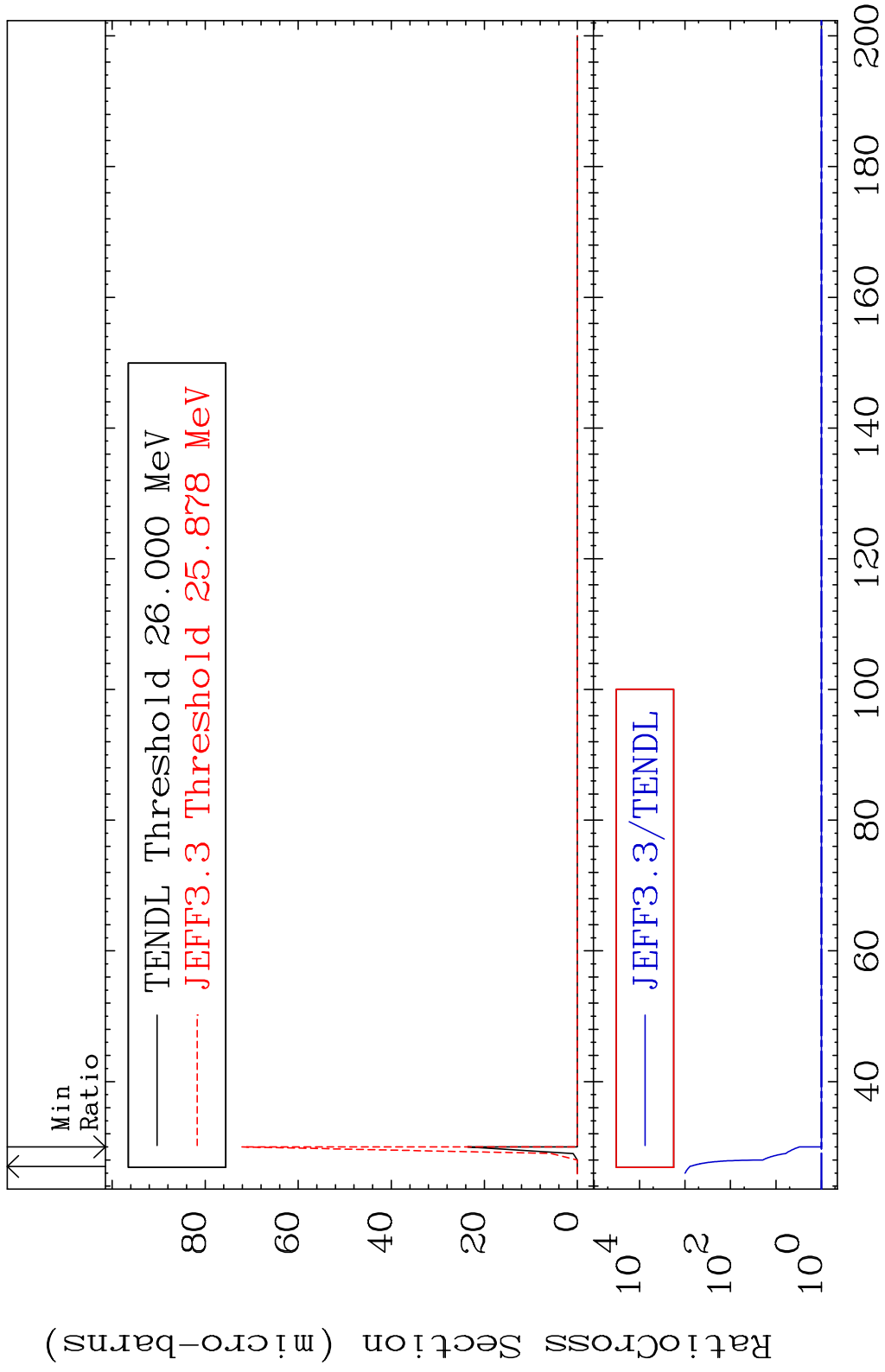


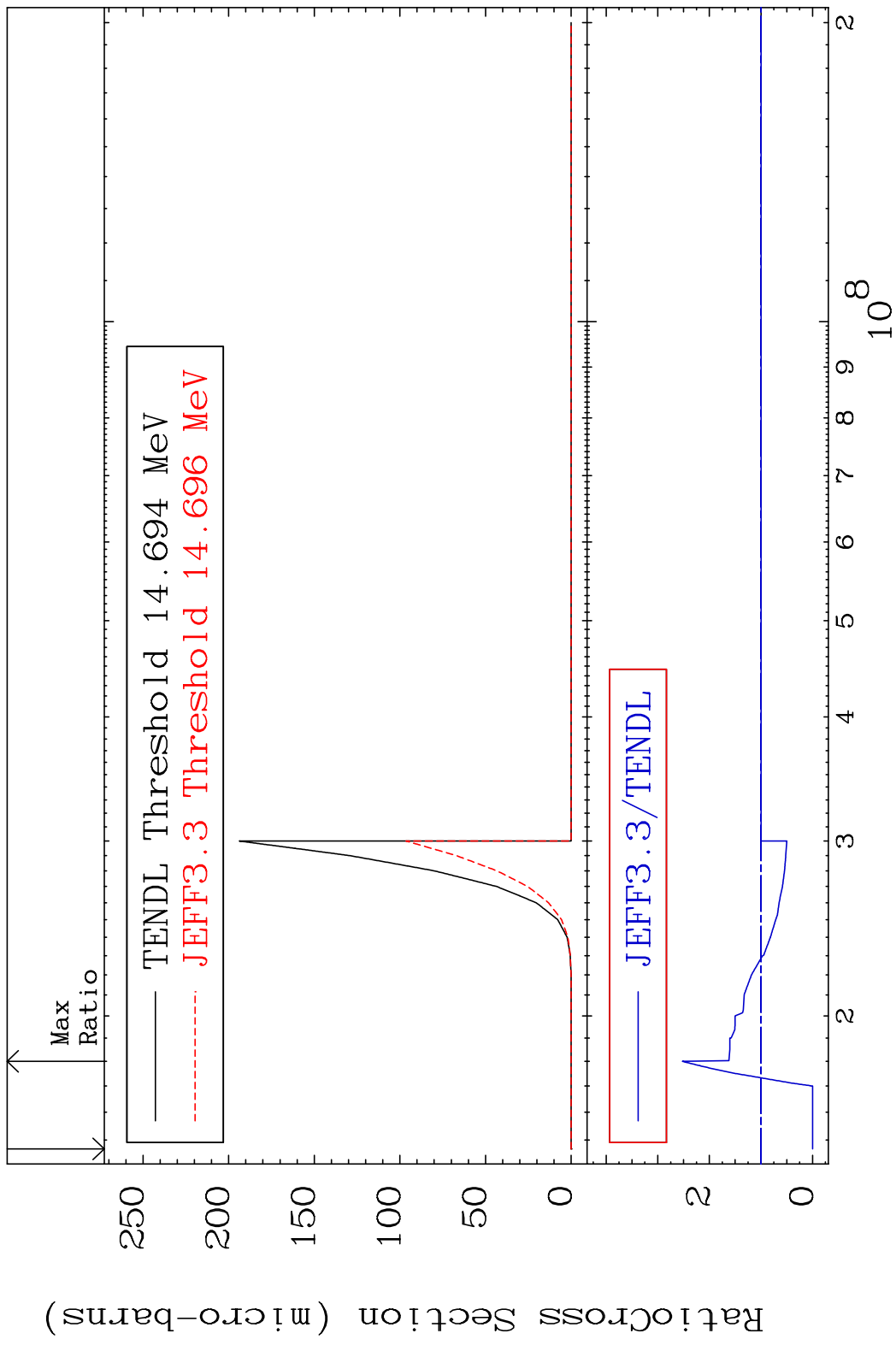




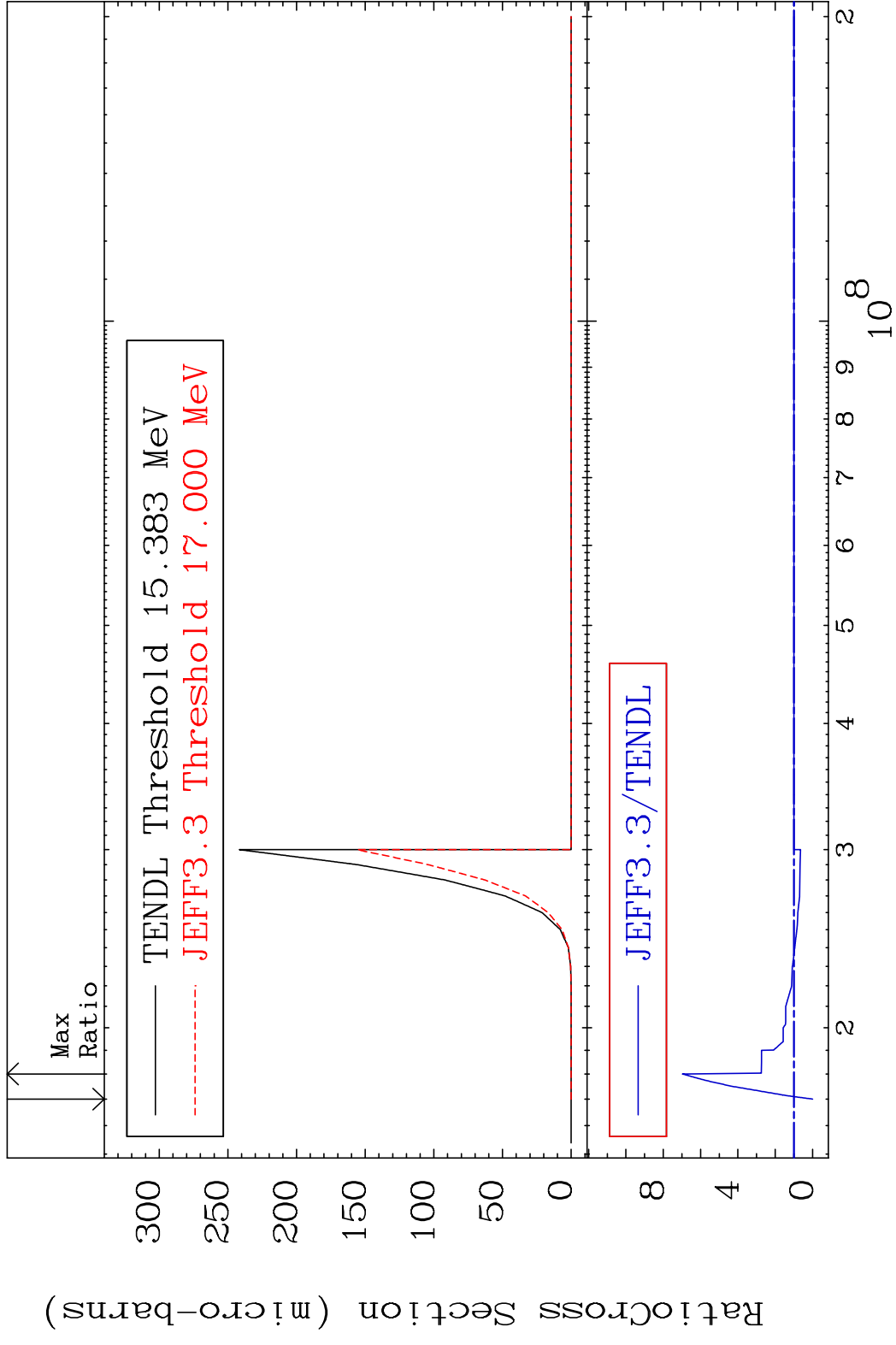


MAT 4122 (n,3n) p:40-Zr-89m1 41-Nb-92
 Radionuclide Production Cross Section 9999. %



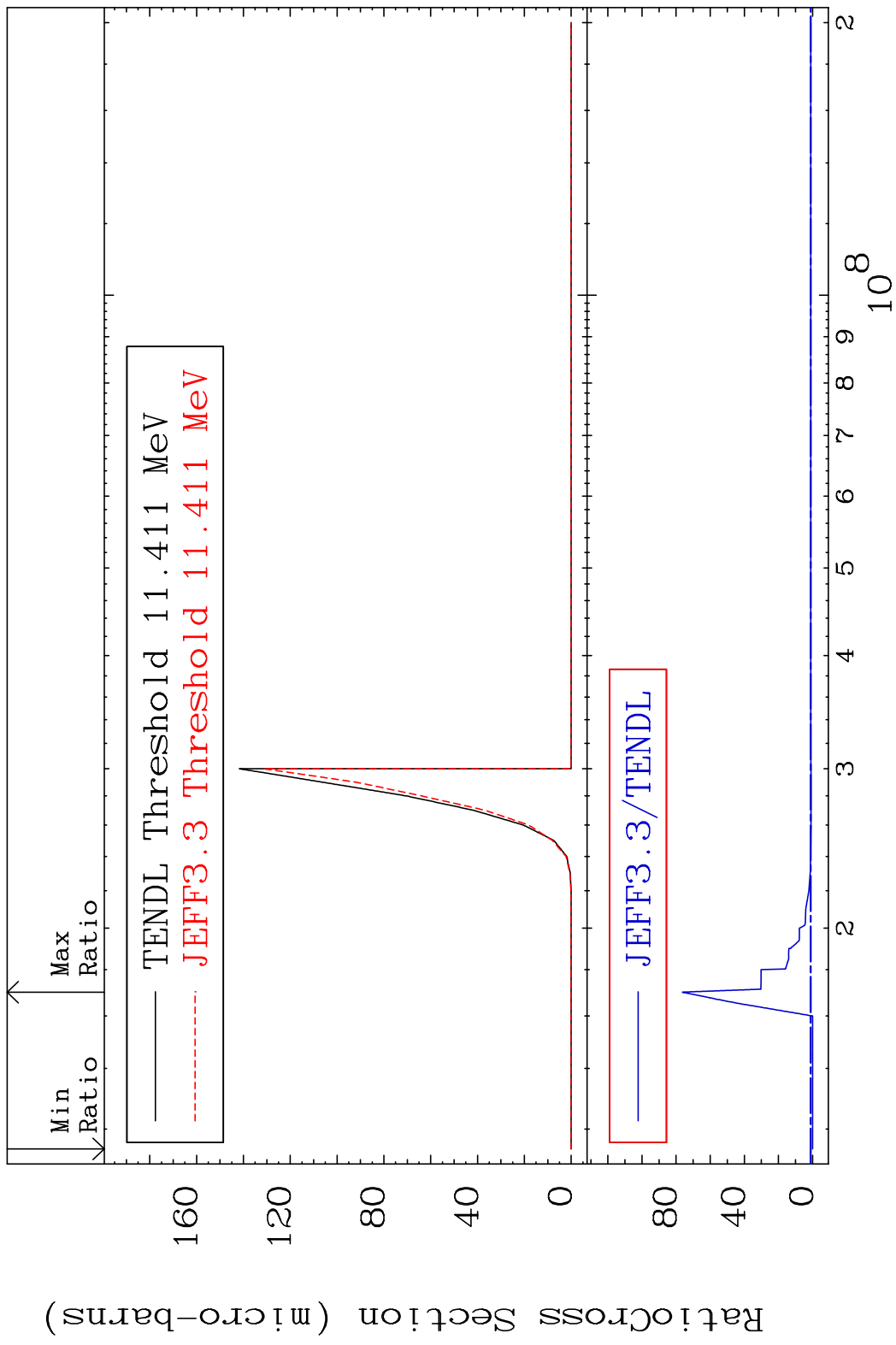


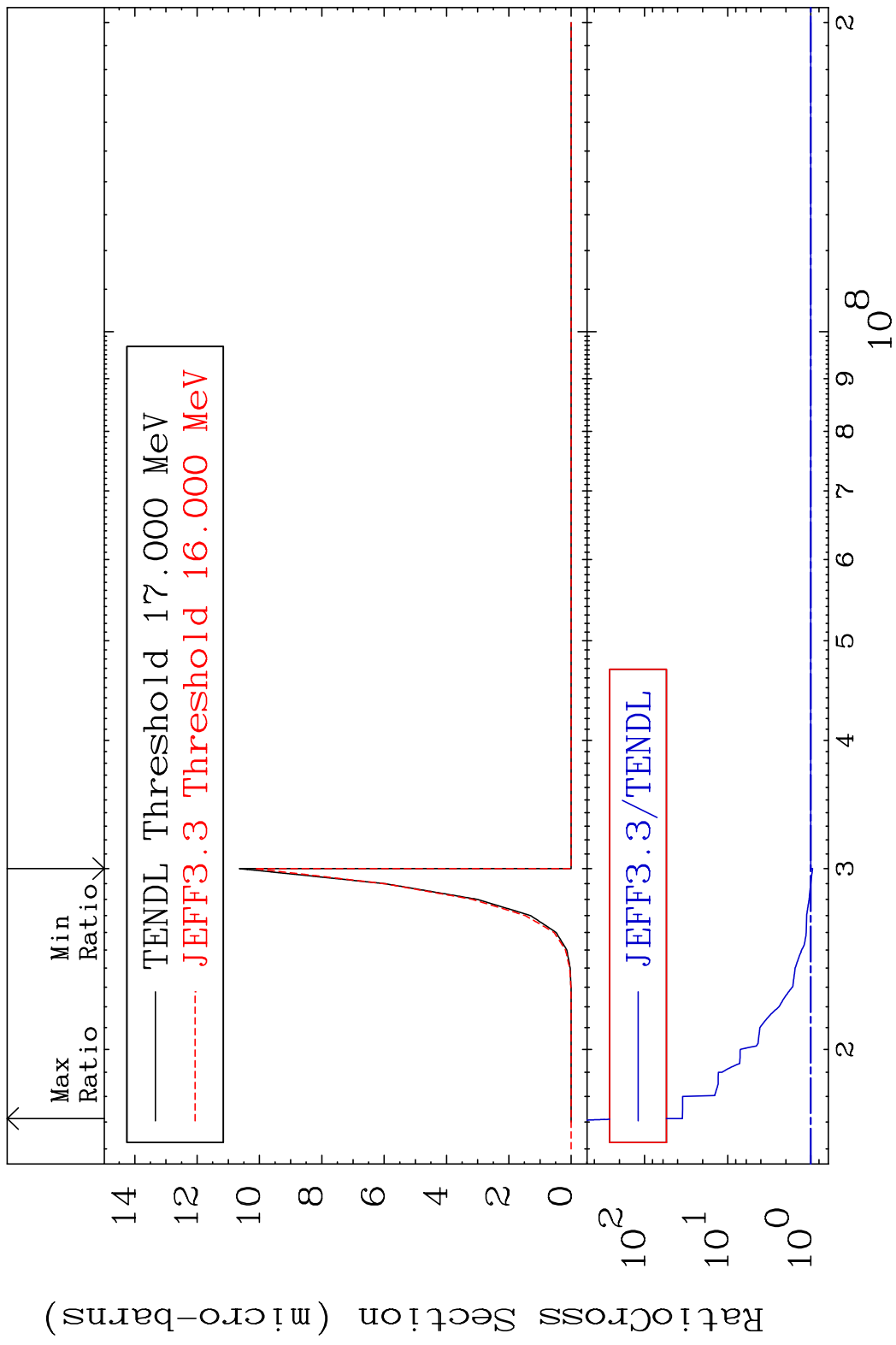
MAT 4122 (n,2n) p:39-Y -90m2 41-Nb-92
 Radionuclide Production Cross Section 1800 dno 597.6 %



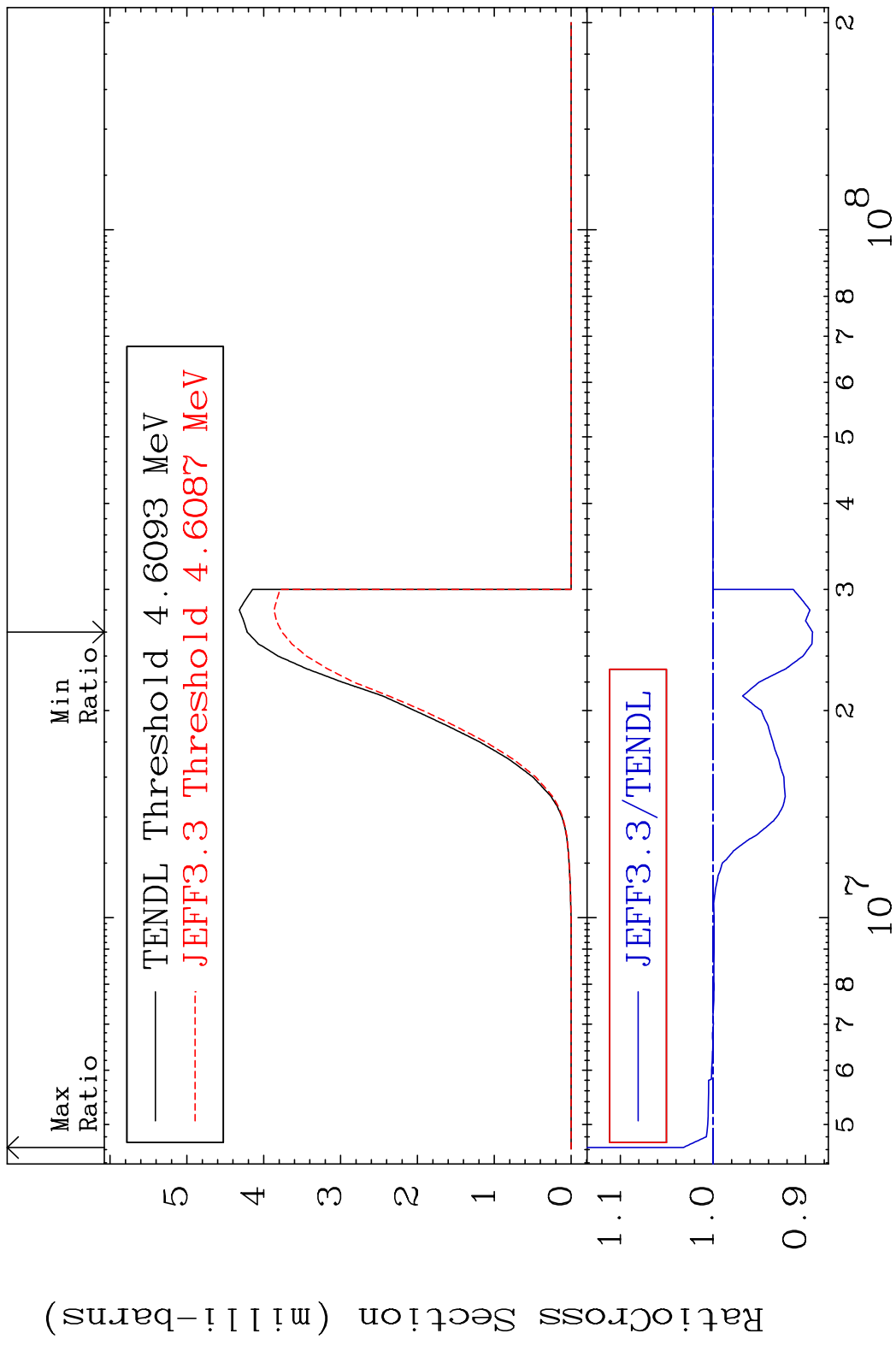
100 Incident Energy (eV) 41-Nb-92

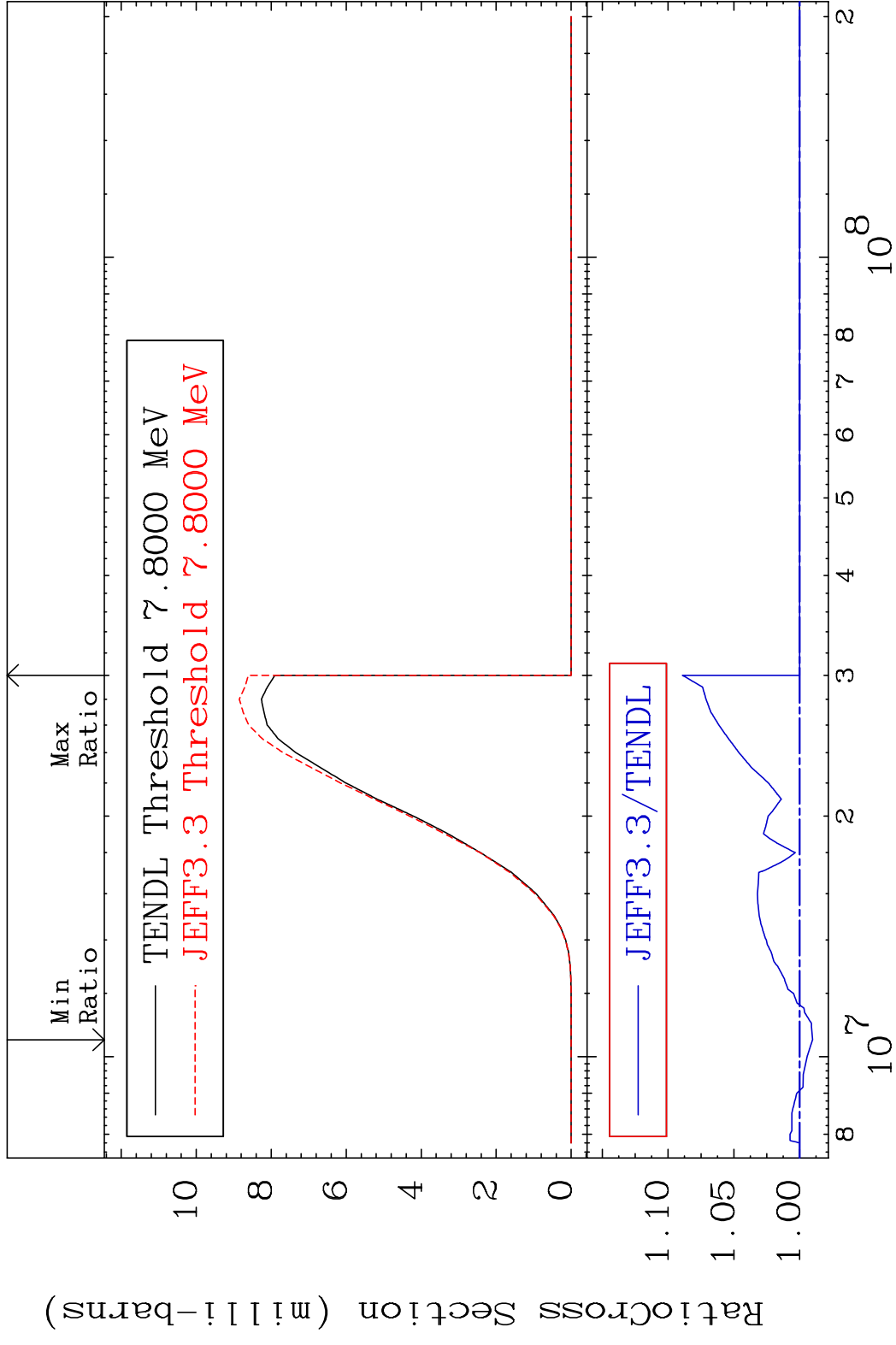
MAT 4122 (n, n') p α :38-Sr-87g 41-Nb-92
 Radionuclide Production Cross Section 180c0i d10 7534. %



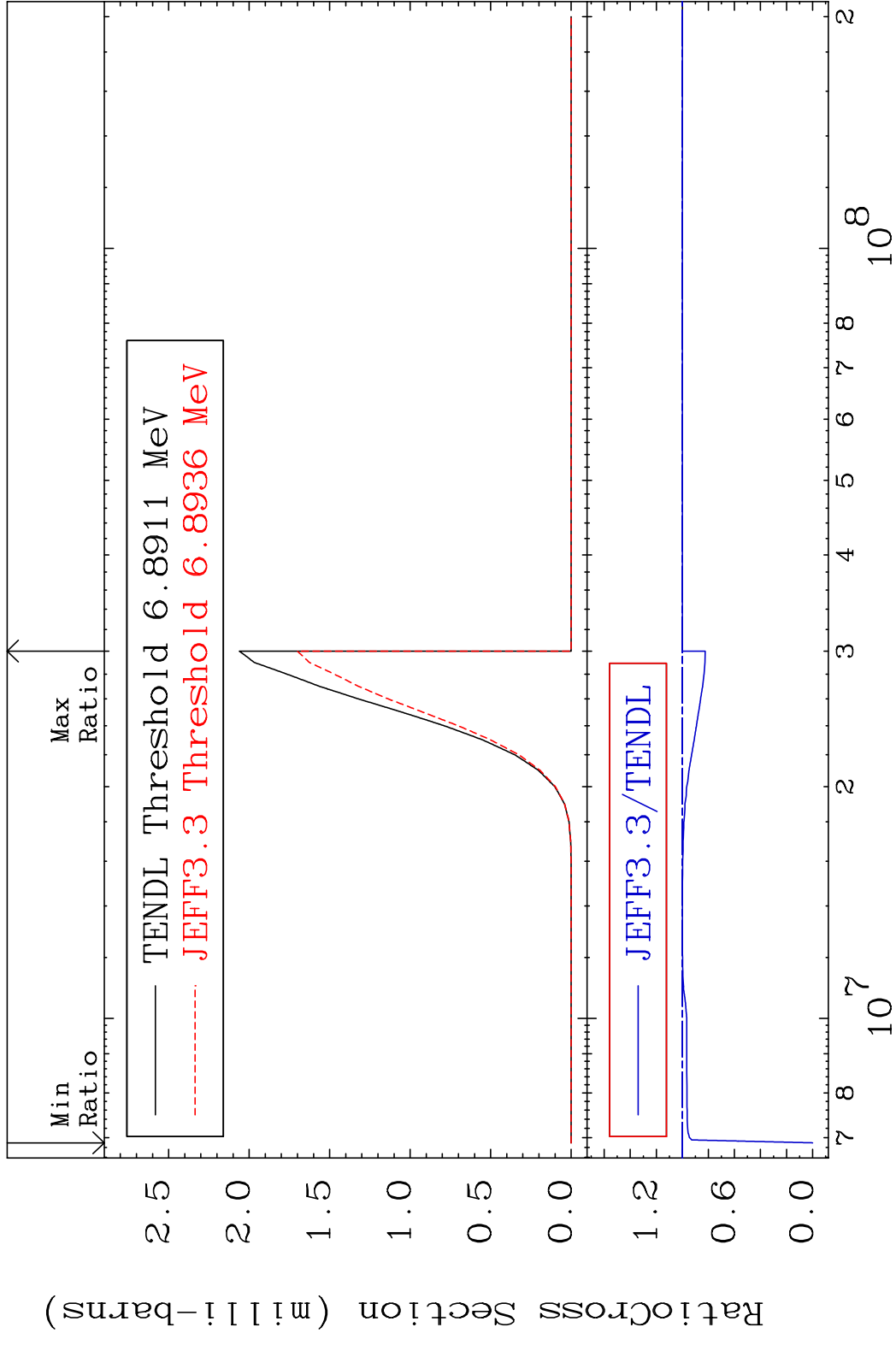


MAT 4122 (n, t): 40-Zr-90g 41-Nb-92
 Radionuclide Production Cross Section 3.312 %

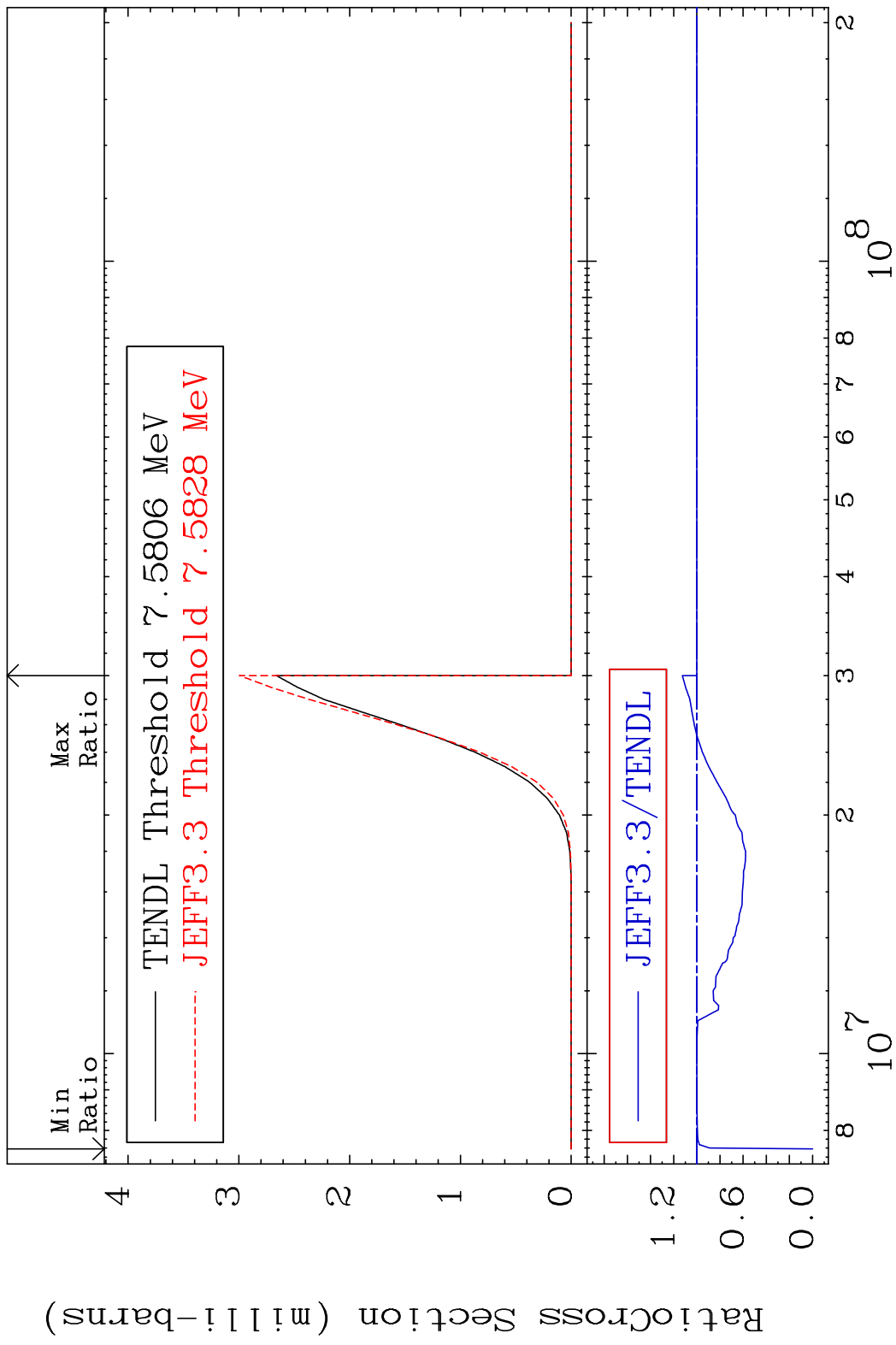




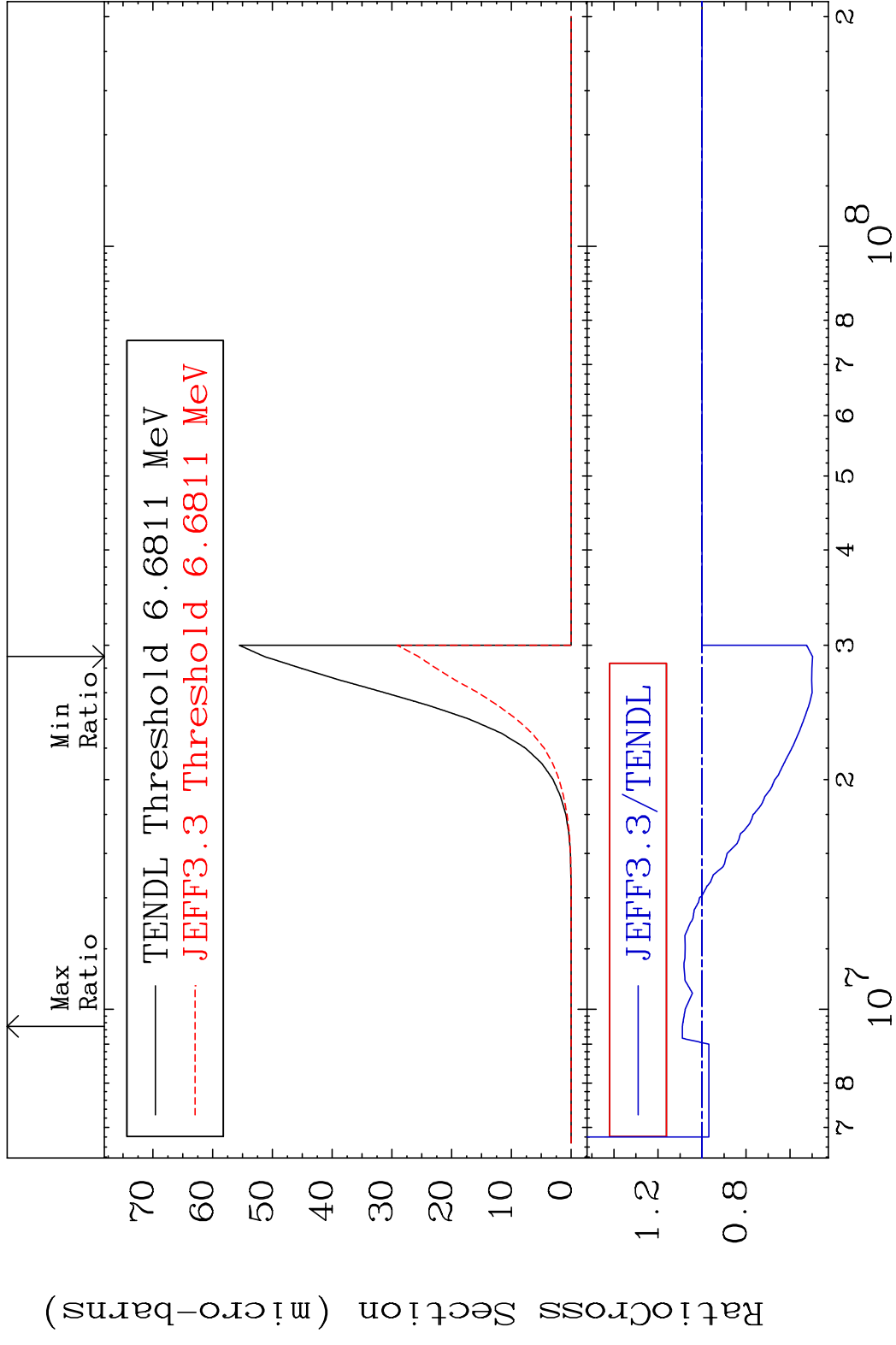
MAT 4122 (n, He-3):39-Y -90g 41-Nb-92
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 4122 (n, He-3):39-Y -90m2 41-Nb-92
 Radionuclide Production Cross Section 180.01 dth 12.50 %

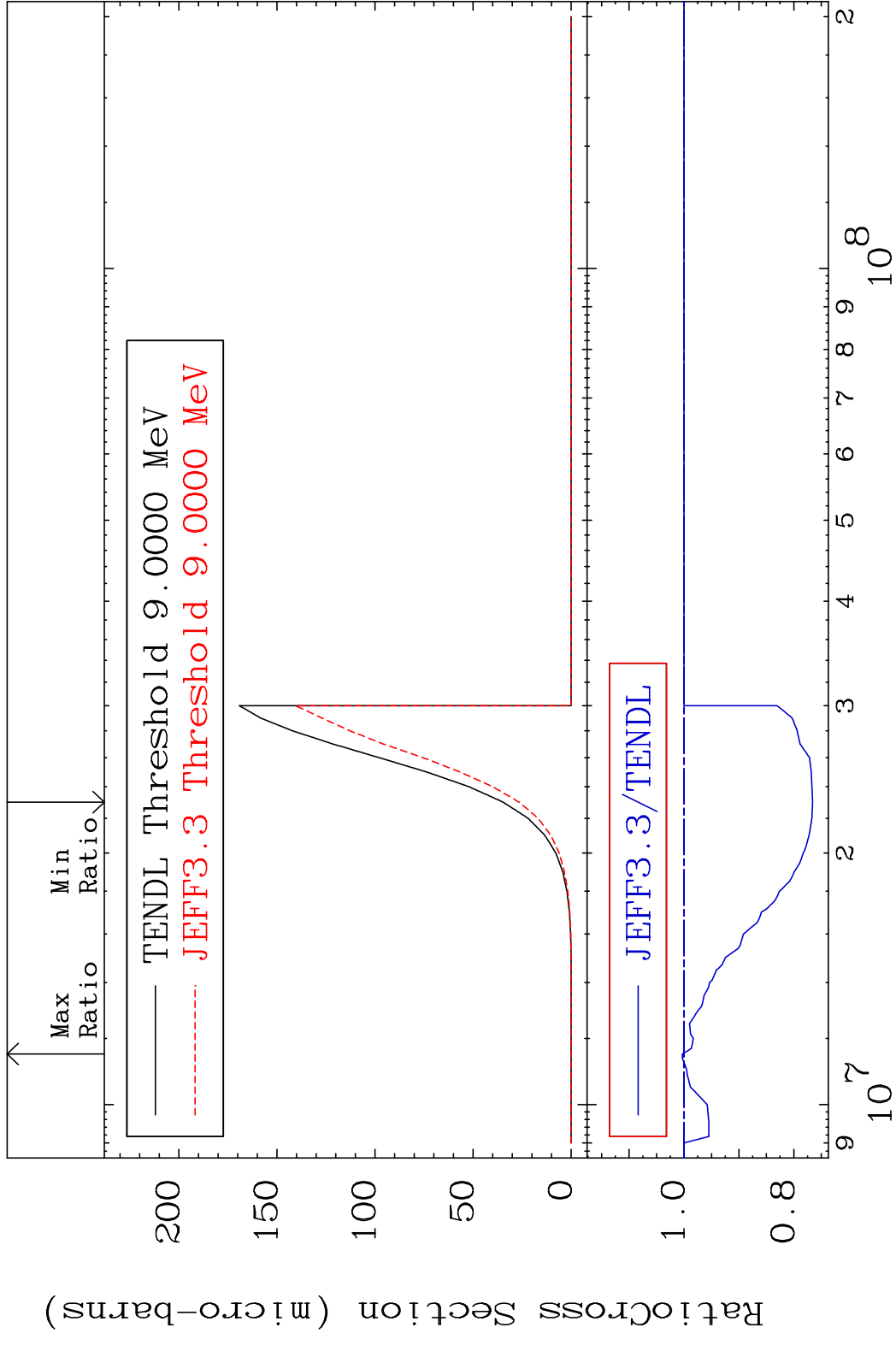


MAT 4122 (n,2p):39-Y -91g 41-Nb-92
 Radionuclide Production Cross Section 8.930 %



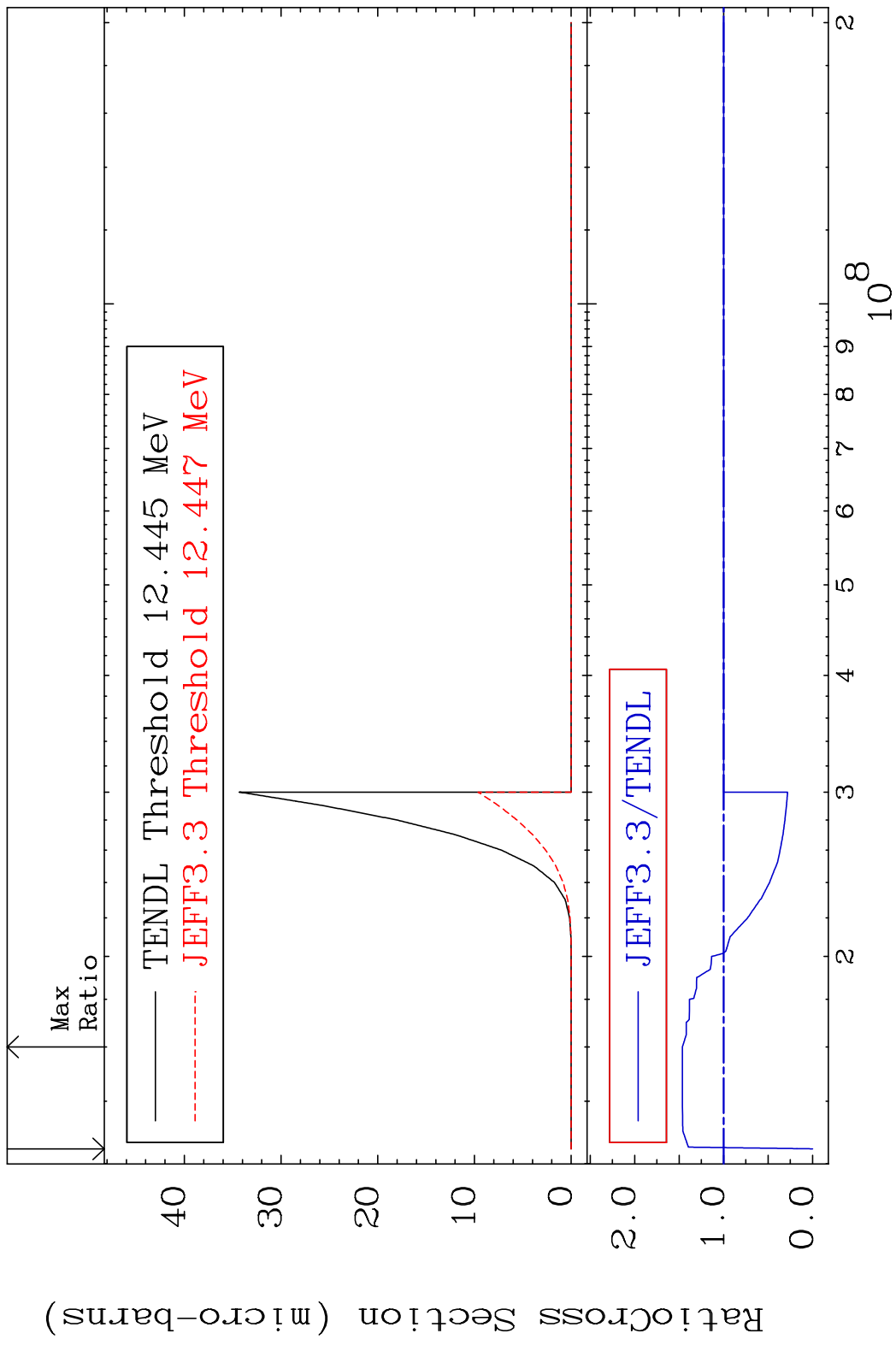
107 Incident Energy (eV) 41-Nb-92

MAT 4122 (n,2p):39-Y -91m1 41-Nb-92
 Radionuclide Production Cross Section 0.303 %



108 Incident Energy (eV) 41-Nb-92

MAT 4122 (n, p) d:39-Y -90g 41-Nb-92
 Radionuclide Production Cross Section 180.01 dno 46.38 %



MAT 4122 (n,p) d:39-Y -90m2 41-Nb-92
 Radionuclide Production Cross Section 180.0 dno 116.9 %

