

Program Complot
(Version 2021-1)

by

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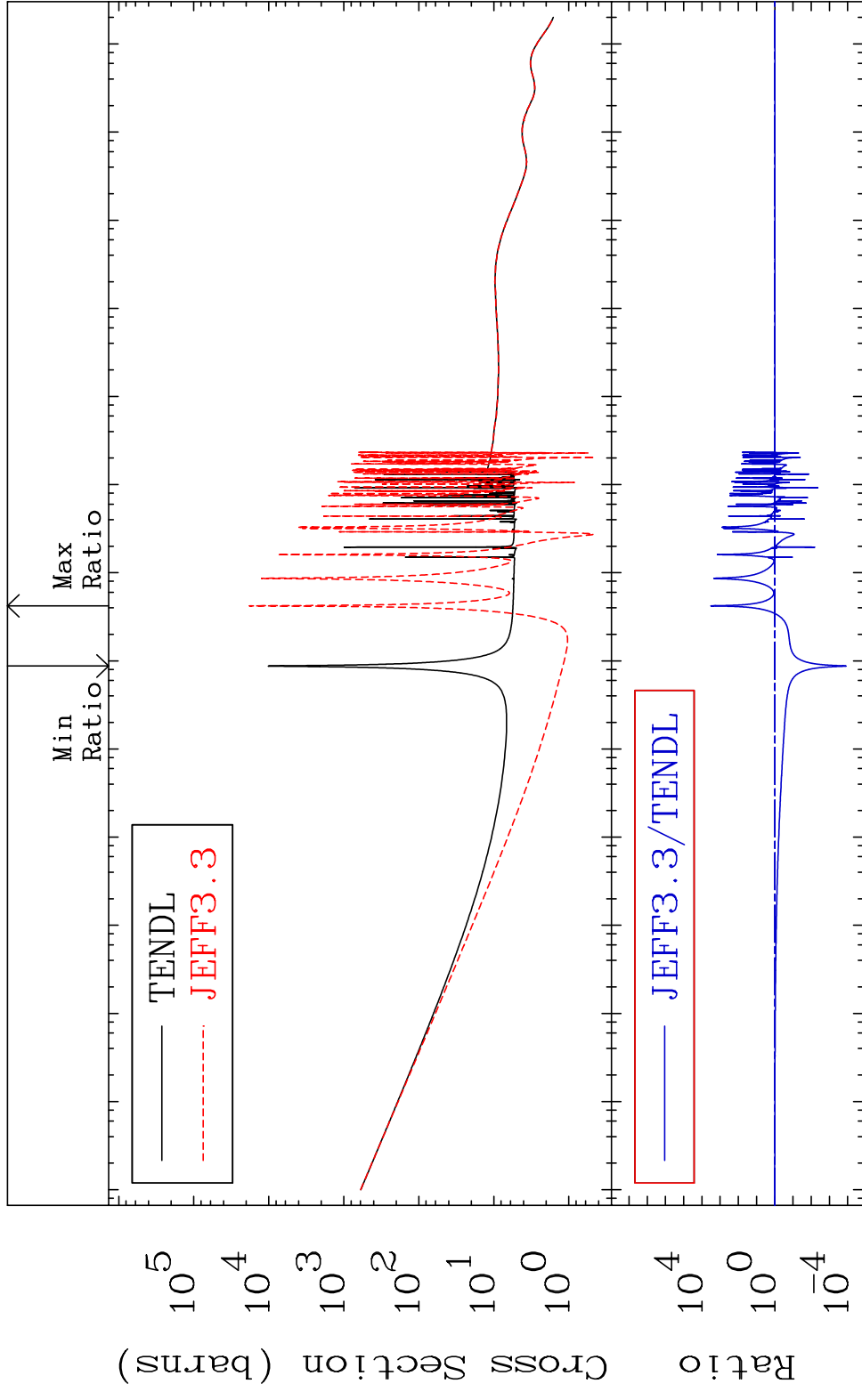
Press Mouse Button to Start

MAT 4122

41-Nb-92

Total

Cross Section -99.99 To 9999. %



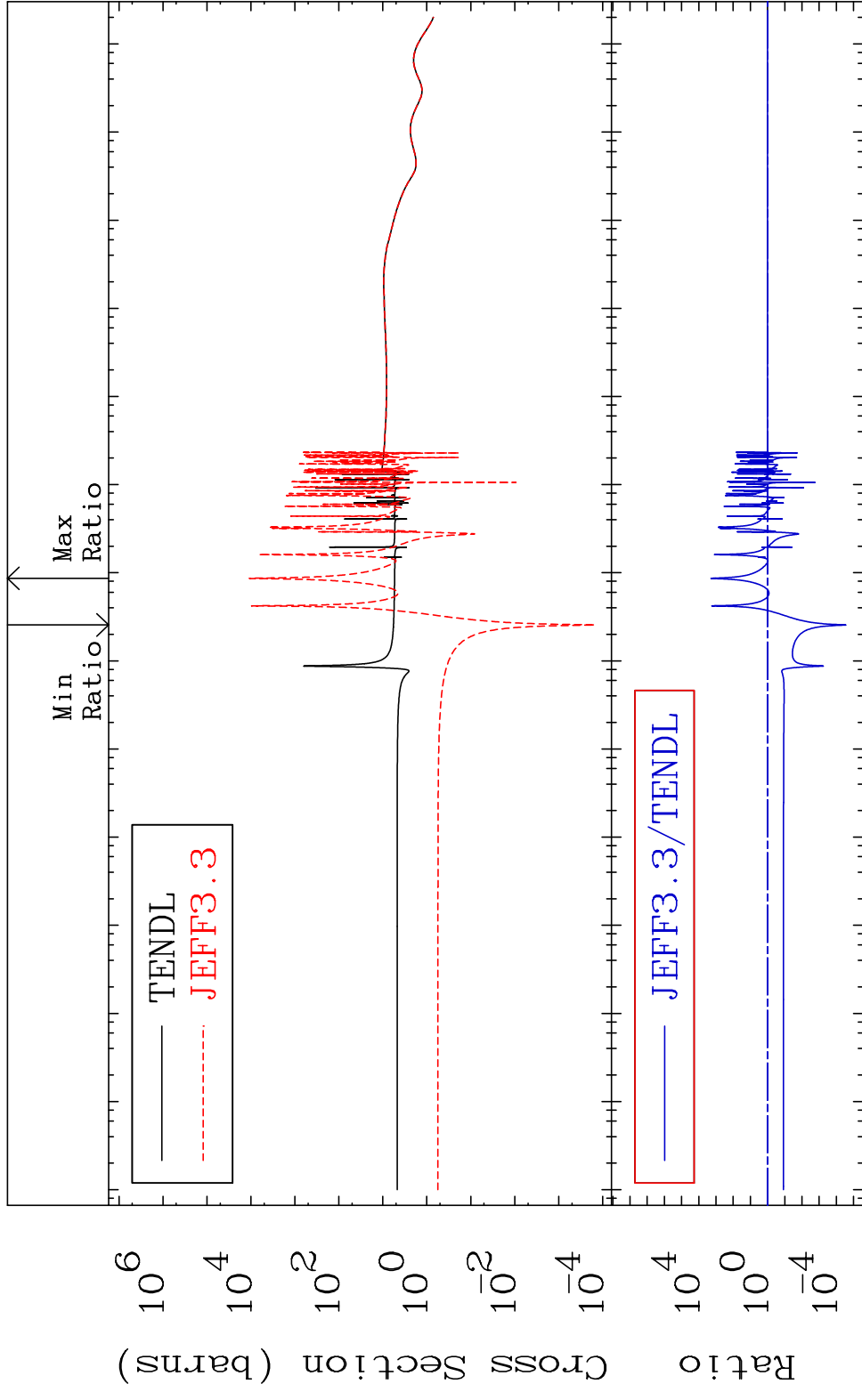
1

Incident Energy (eV)

41-Nb-92

MAT 4122

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

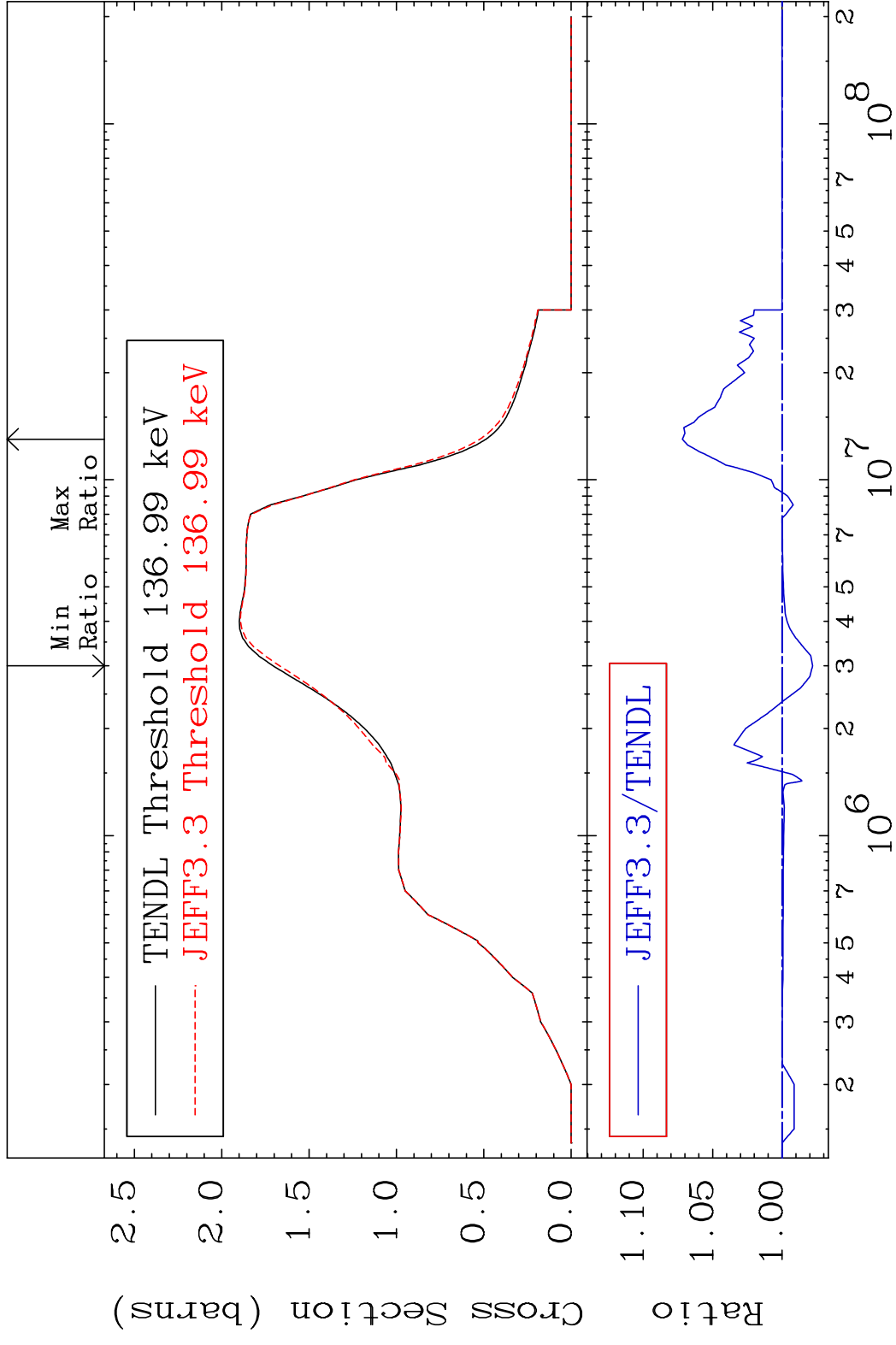


MAT 4122

Inelastic

41-Nb-92

Cross Section -2.192 To 7.182 %

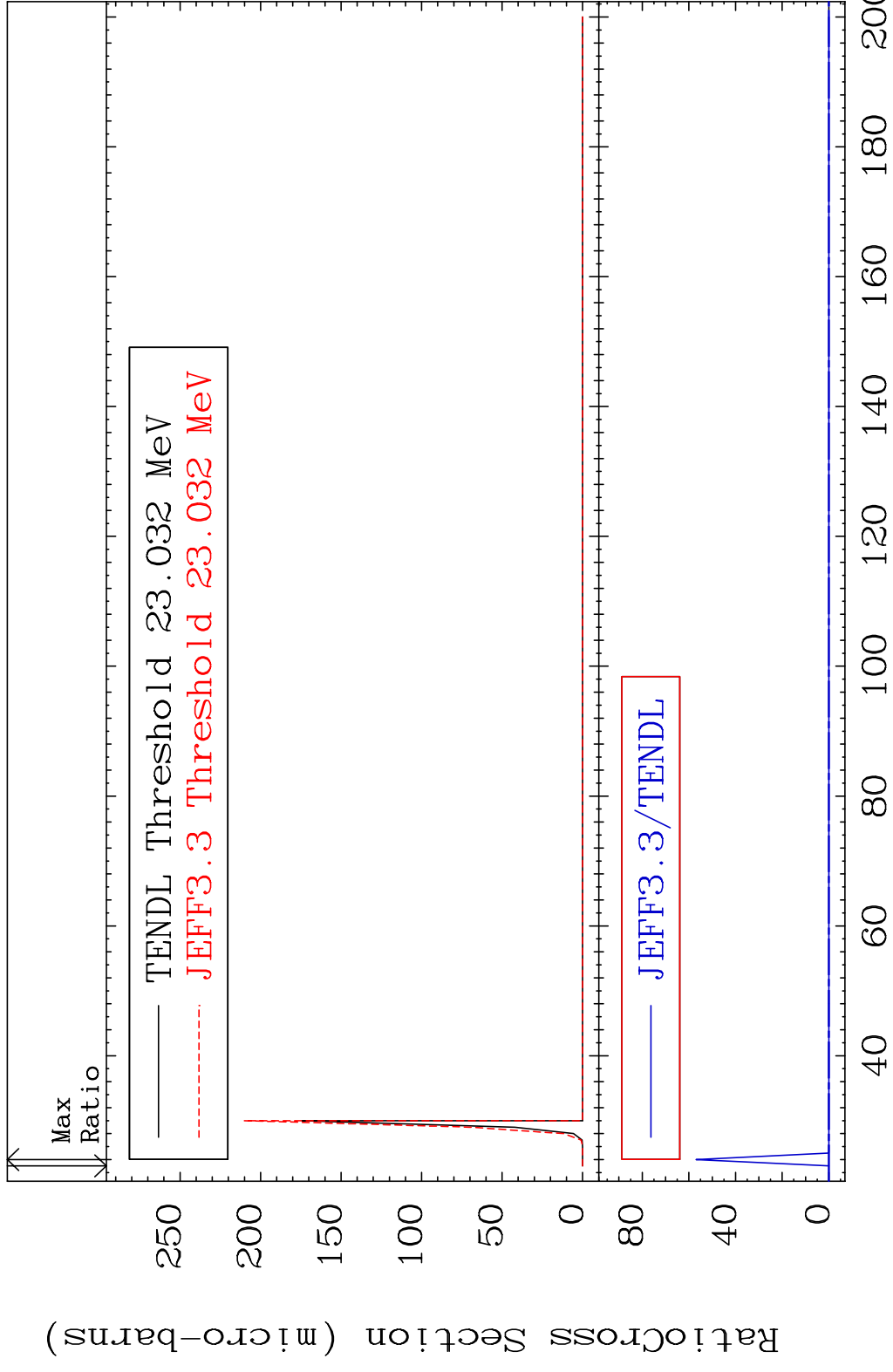


MAT 4122

(n,2n) d

41-Nb-92

Cross Section -100.0 To 9999. %

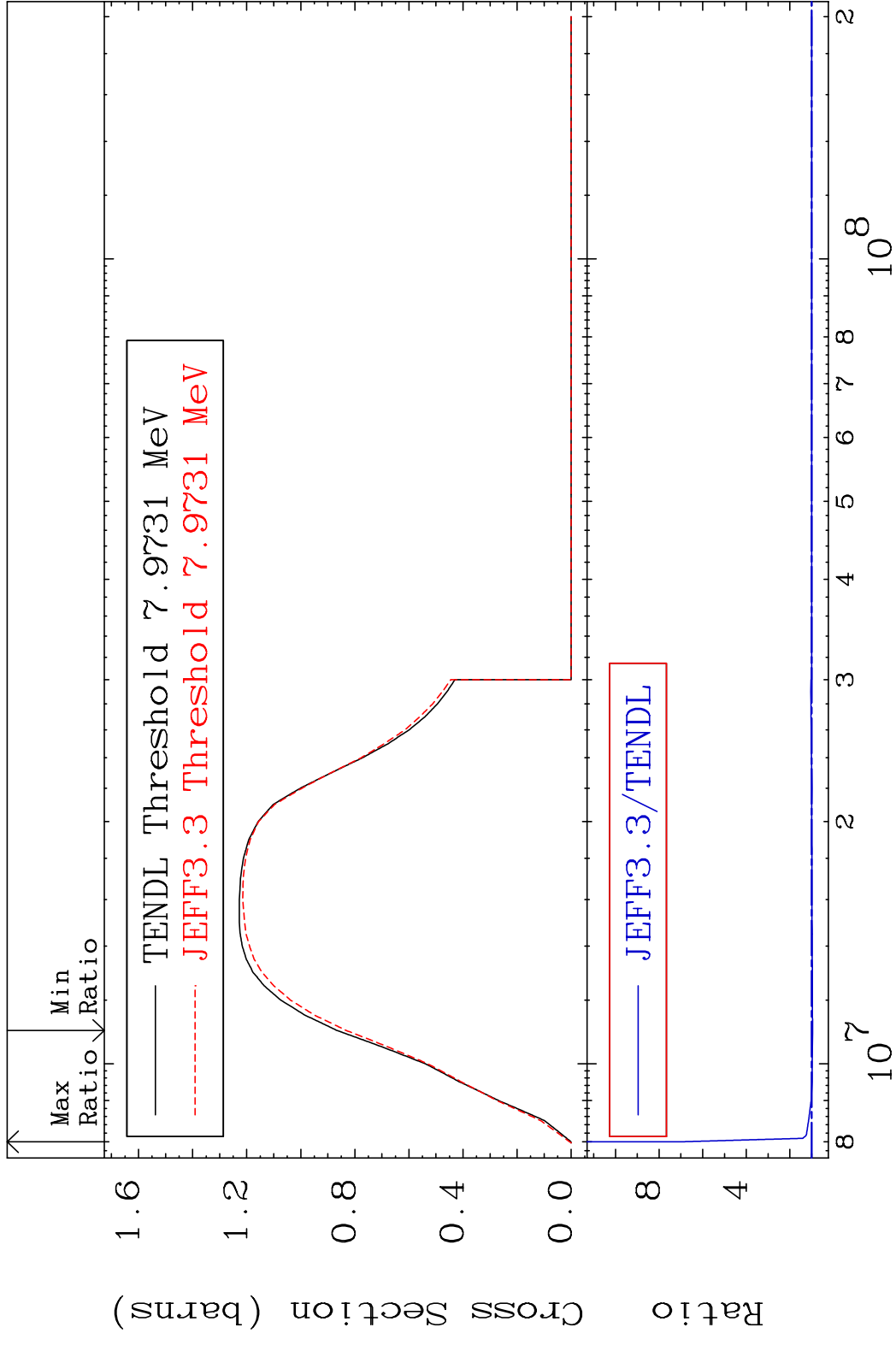


MAT 4122

(n,2n)

41-Nb-92

Cross Section -3.954 To 593.3 %

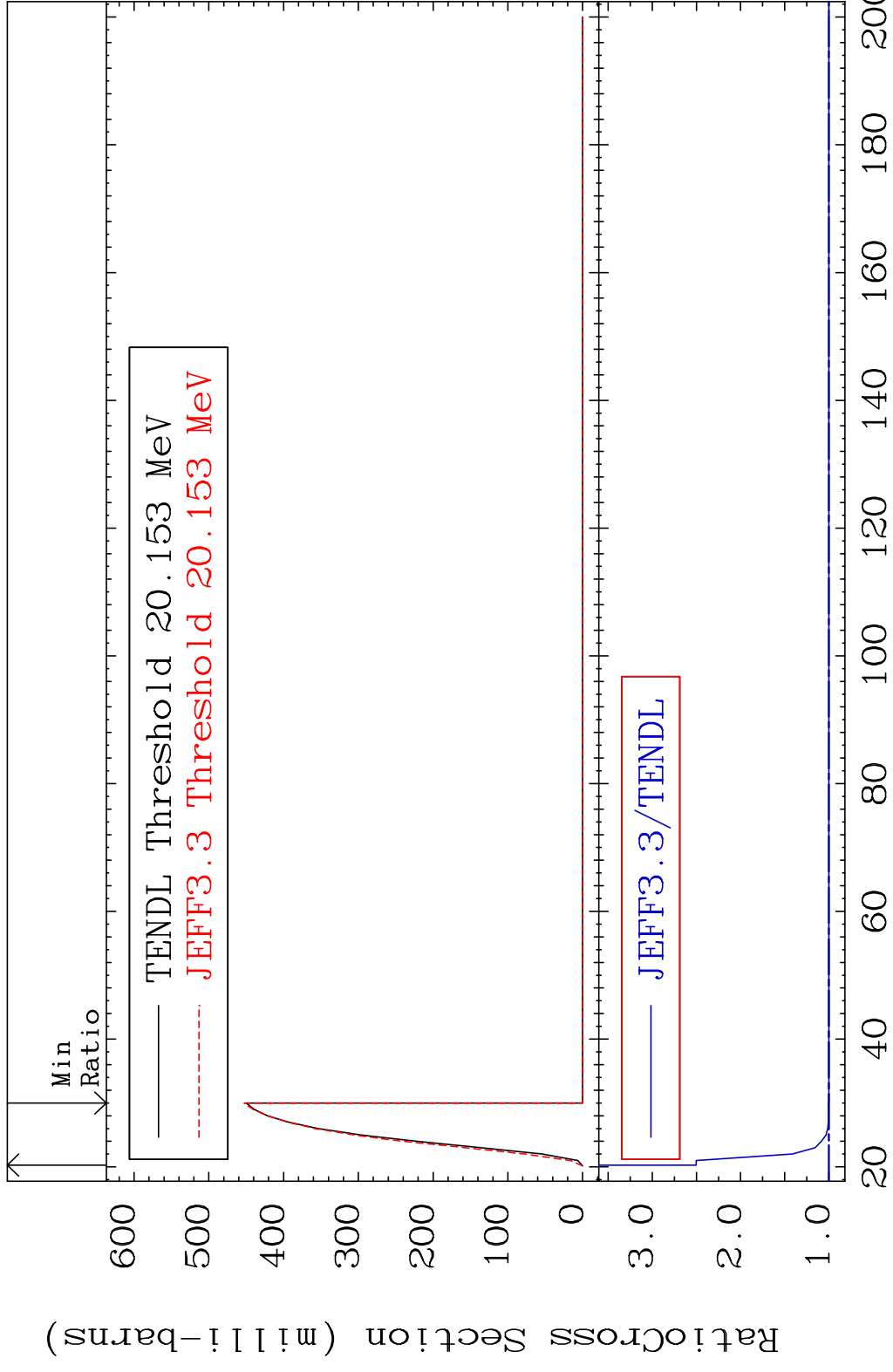


5

Incident Energy (eV)

41-Nb-92

MAT 4122 (n,3n) 41-Nb-92
 Cross Section 0.000 To 150.5 %

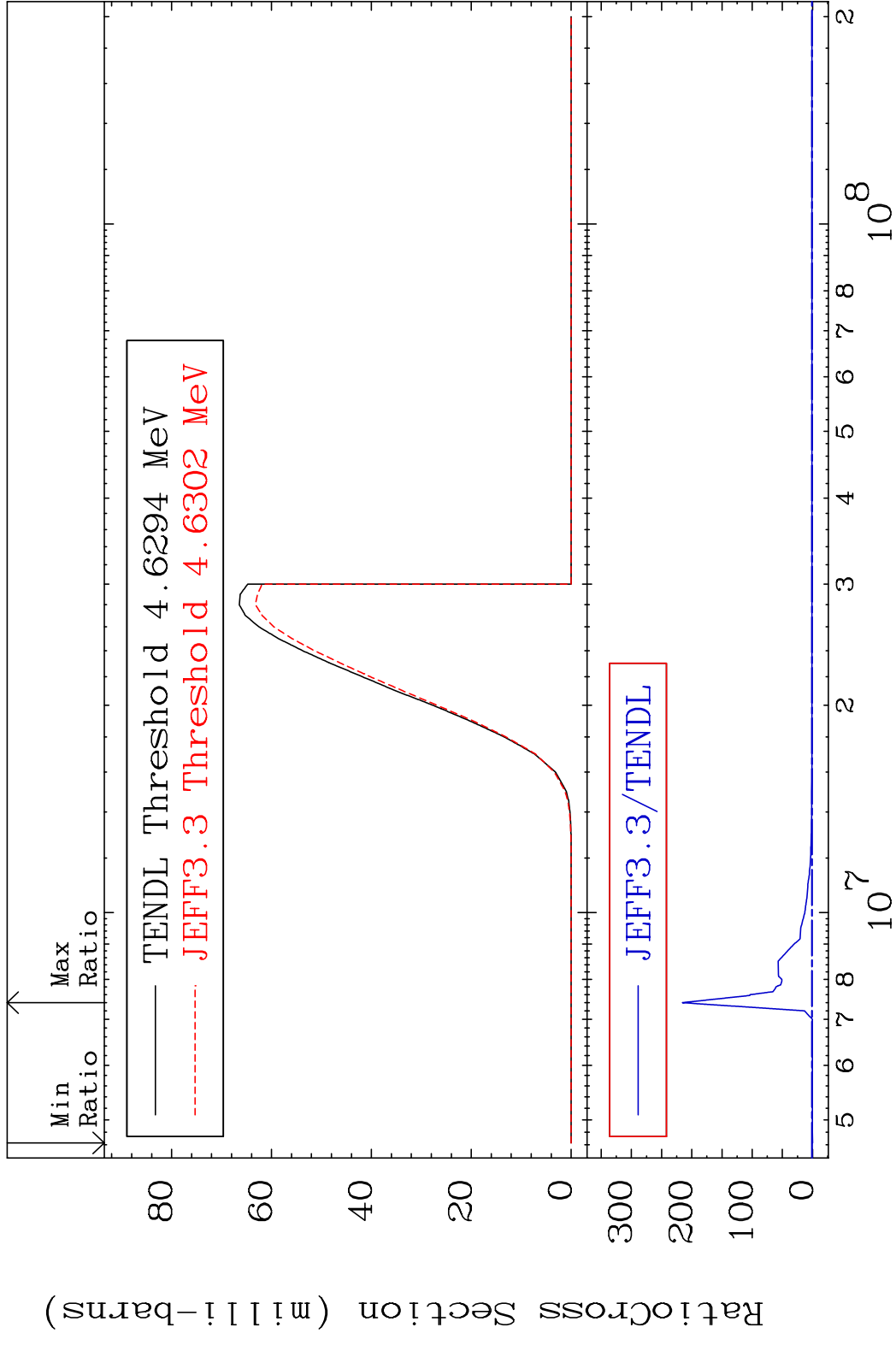


MAT 4122

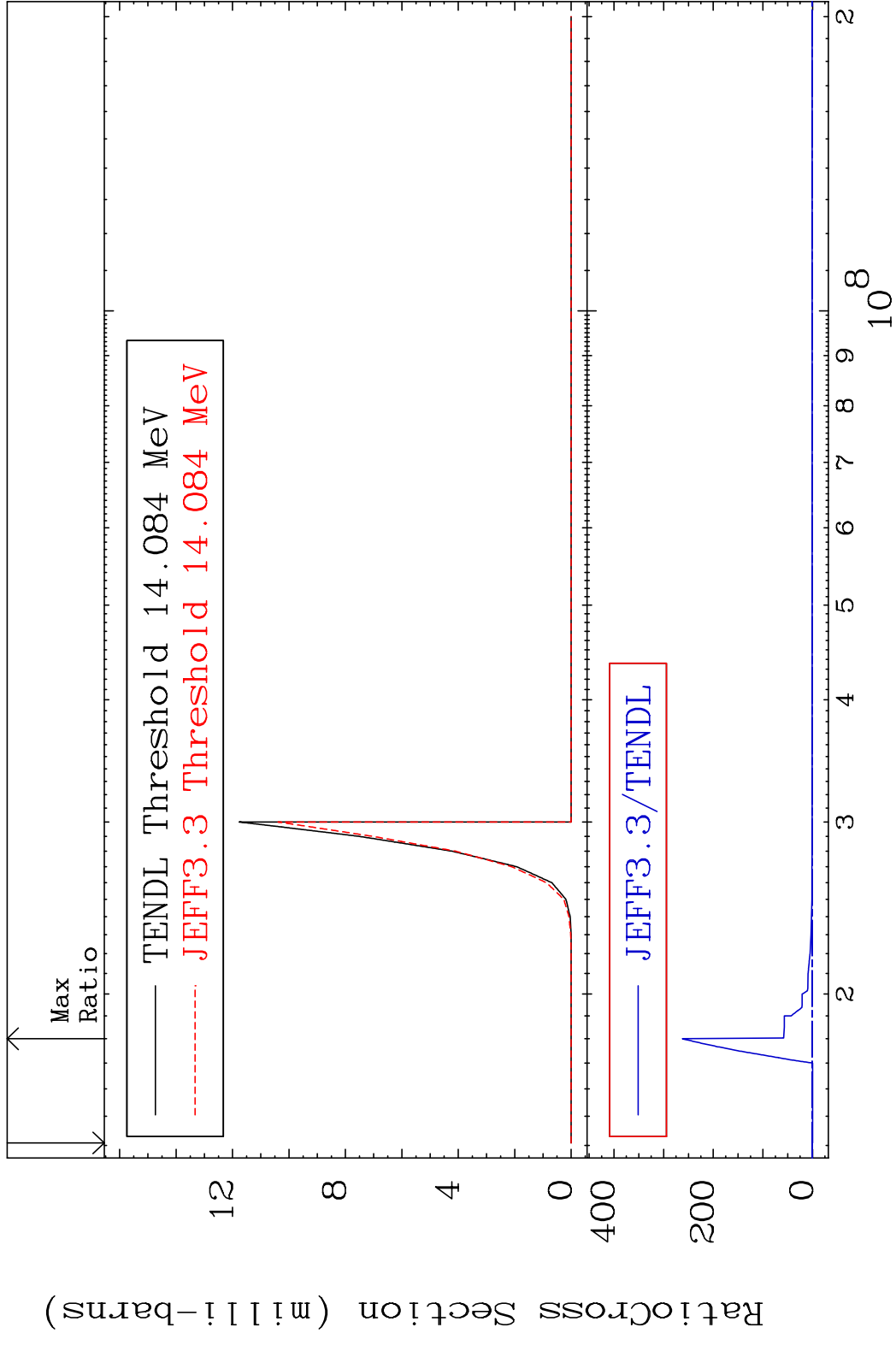
(n, n') α

41-Nb-92

Cross Section -100.0 To 9999. %



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



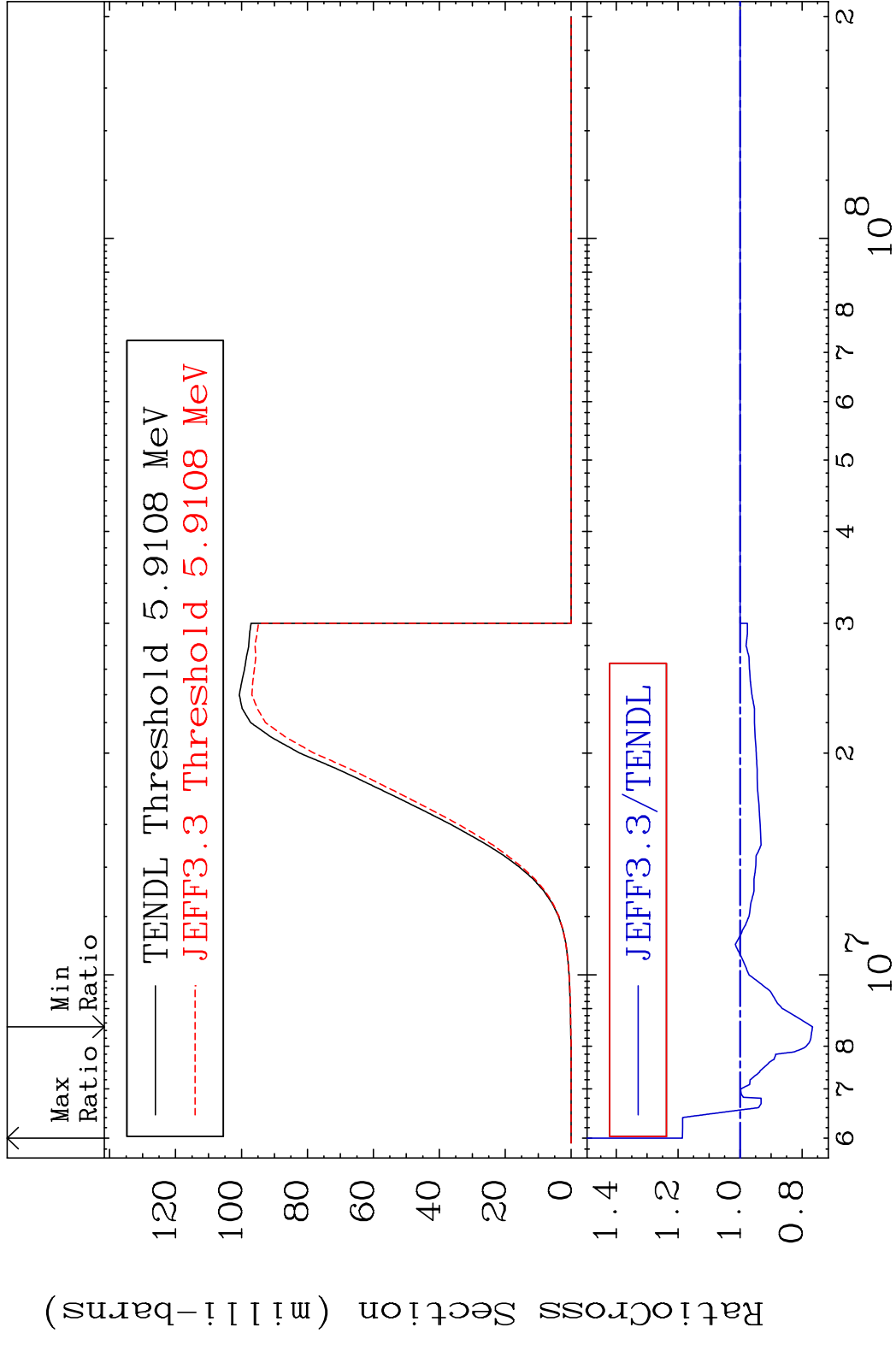
8 Incident Energy (eV) 41-Nb-92

MAT 4122

(n, n') p

41-Nb-92

Cross Section -23.37 To 18.64 %

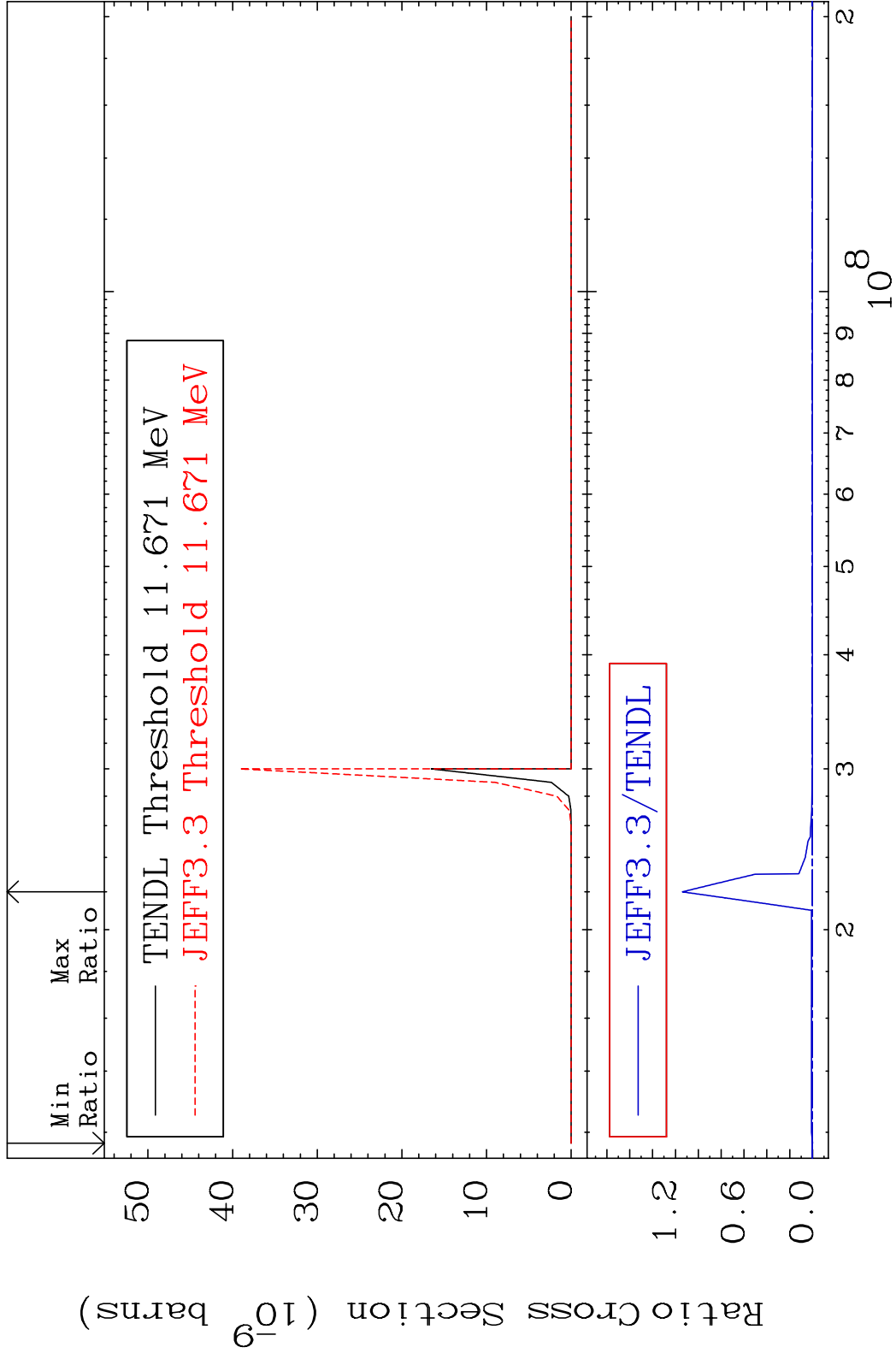


MAT 4122

(n, n') 2α

41-Nb-92

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

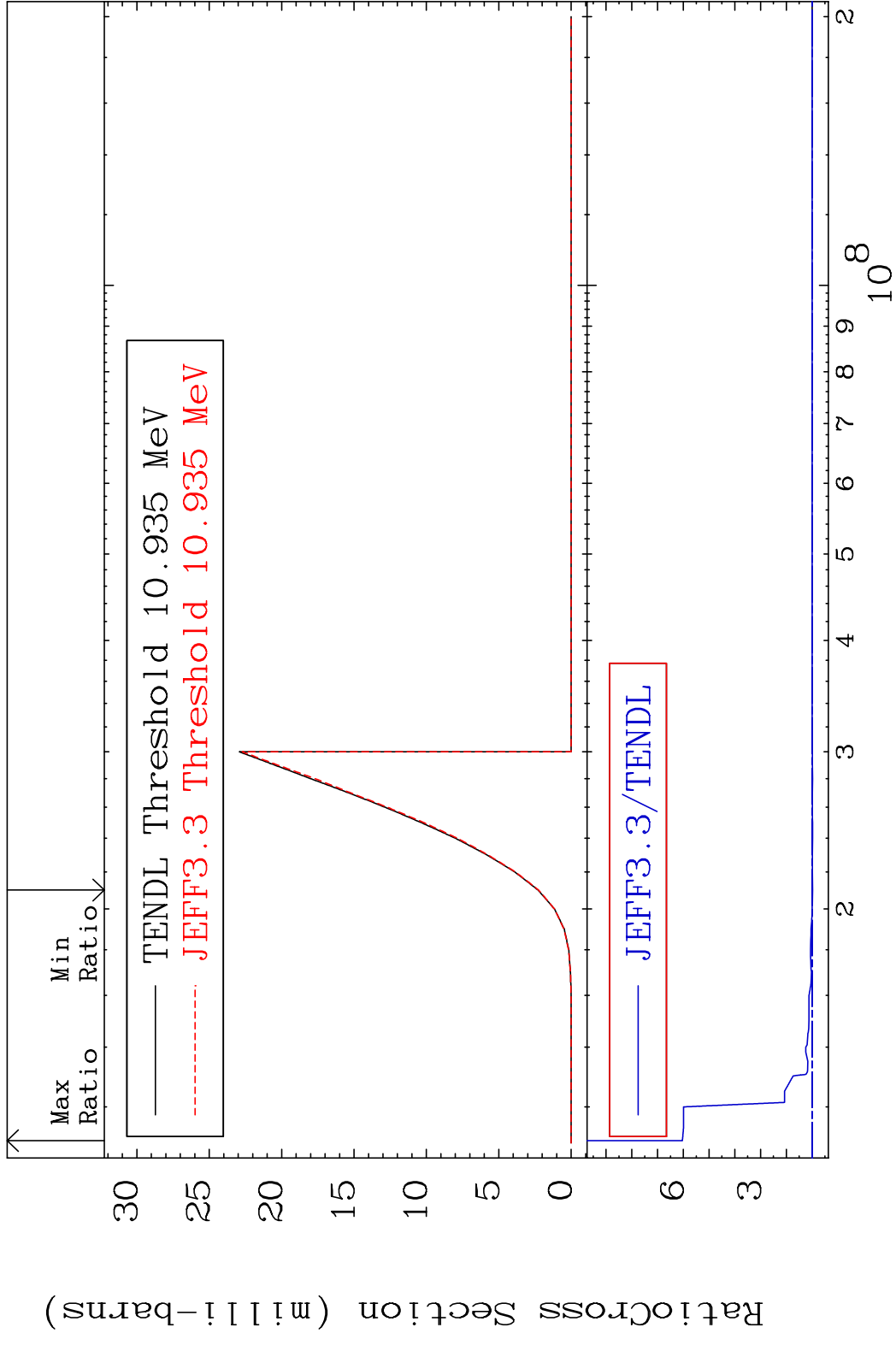
41-Nb-92

MAT 4122

(n, n') d

41-Nb-92

Cross Section -1.809 To 503.7 %

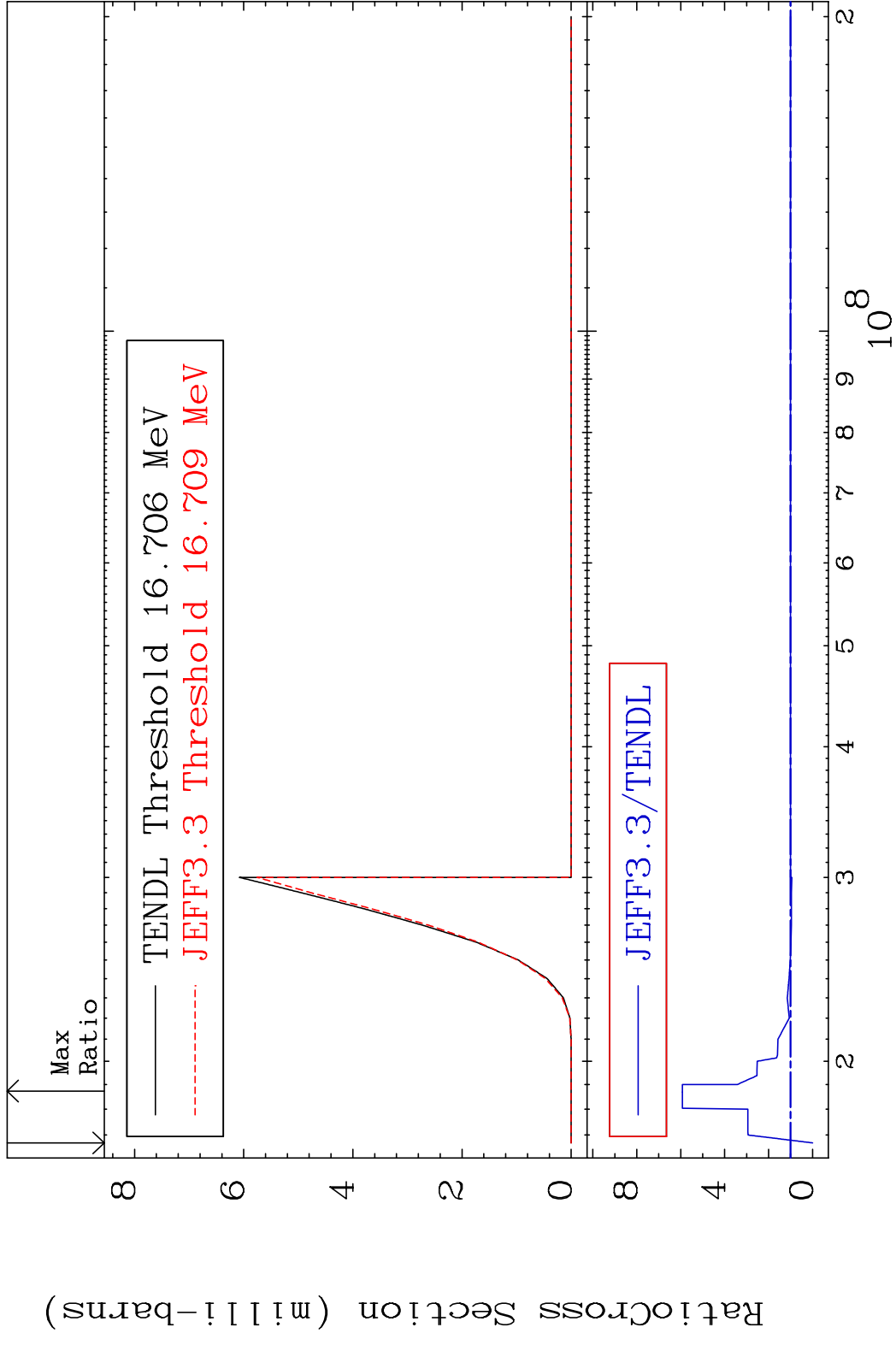


MAT 4122

(n, n') t

41-Nb-92

Cross Section -100.0 To 492.7 %

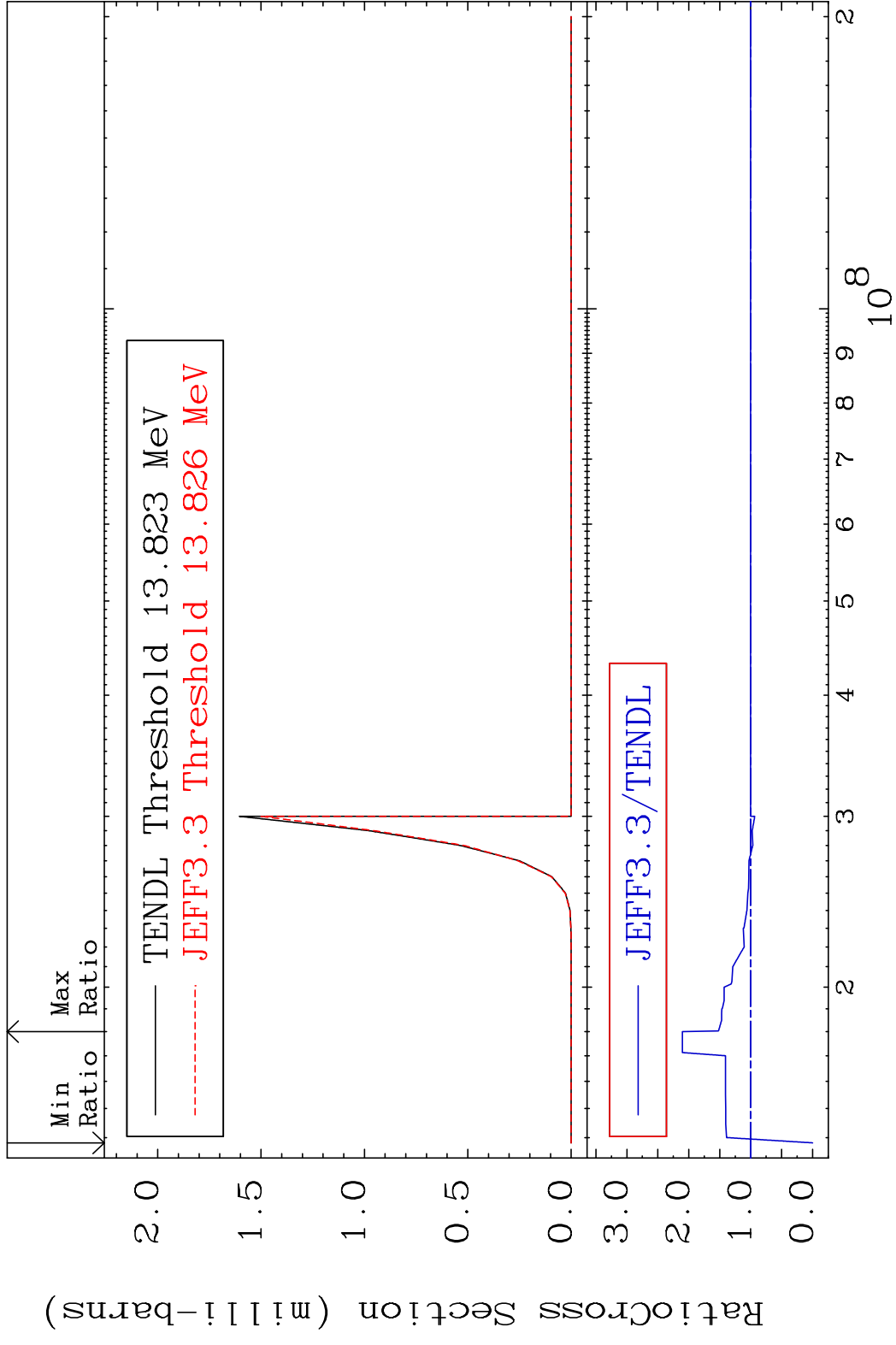


MAT 4122

(n,n') He-3

41-Nb-92

Cross Section -100.0 To 110.4 %

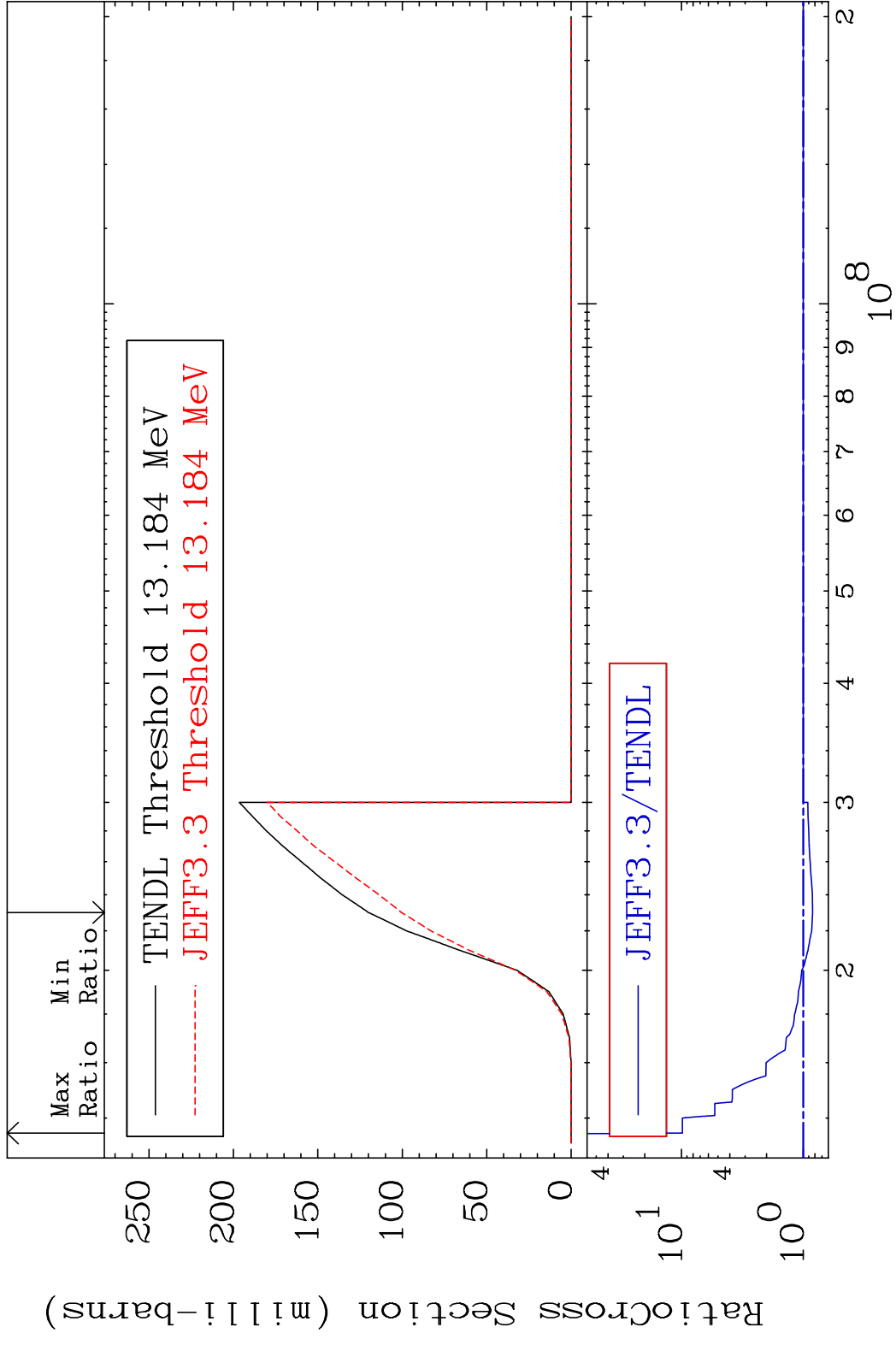


MAT 4122

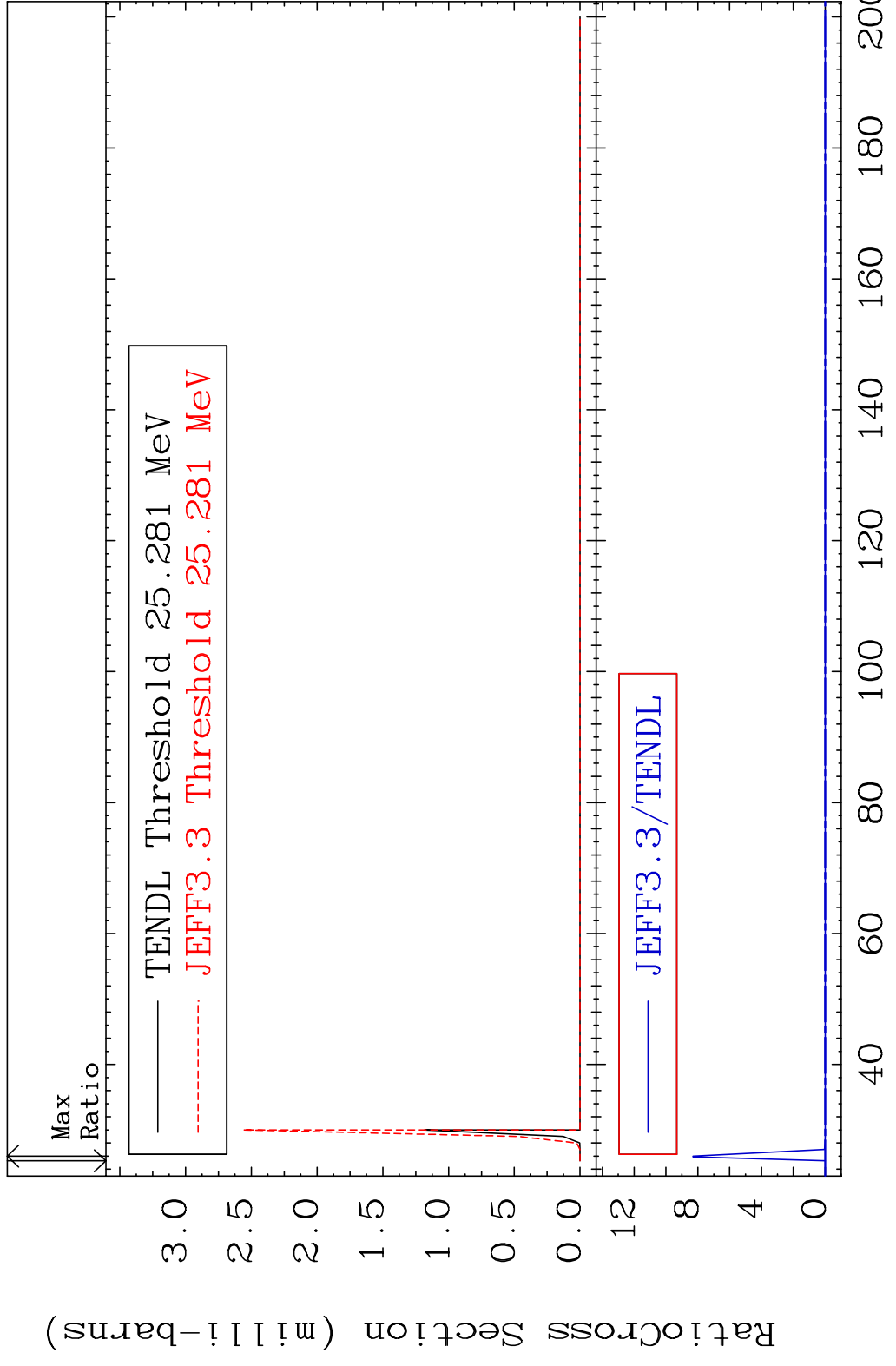
(n,2n) p

41-Nb-92

Cross Section -16.27 To 881.7 %



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

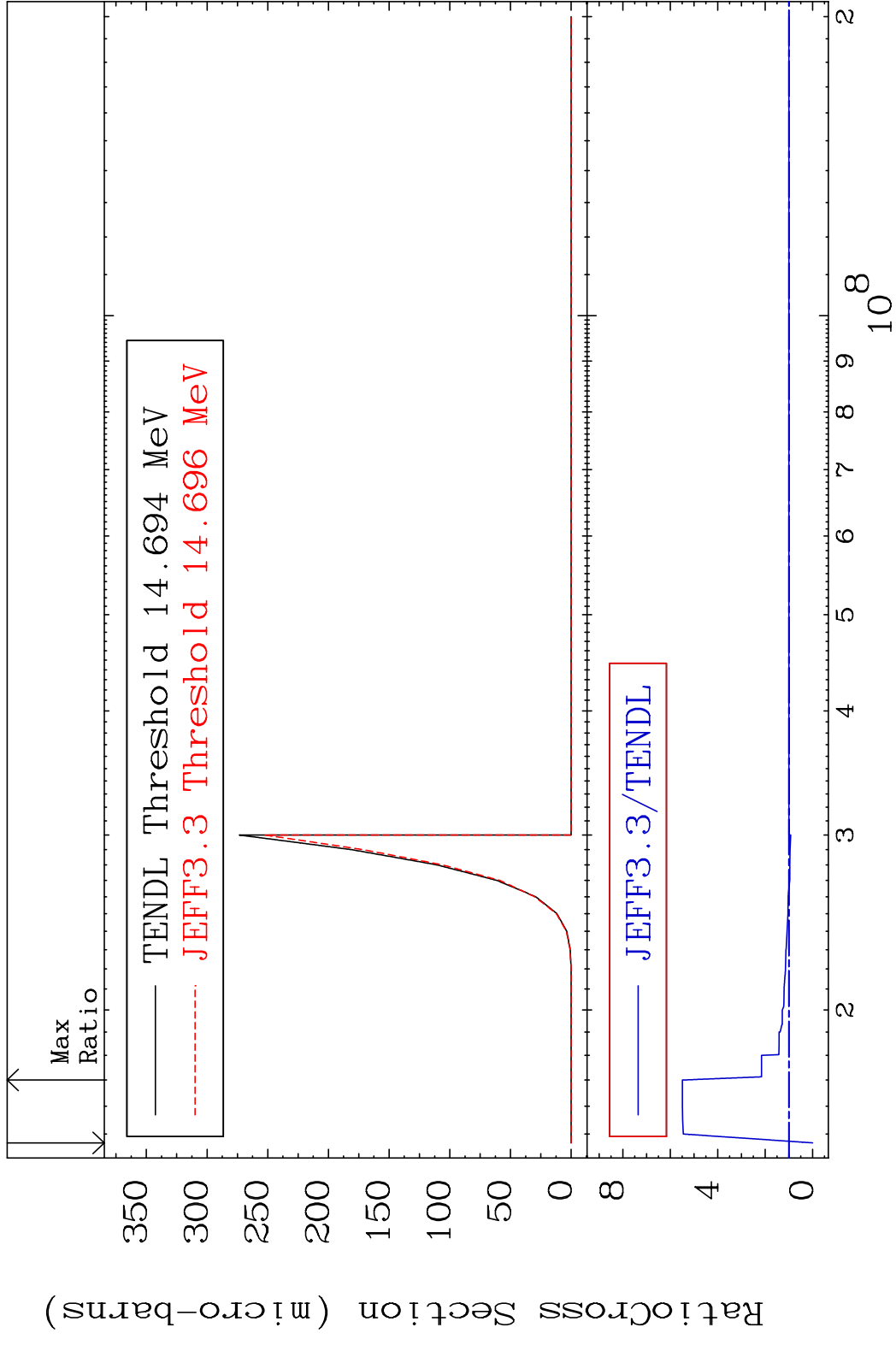


MAT 4122

(n,2n) p

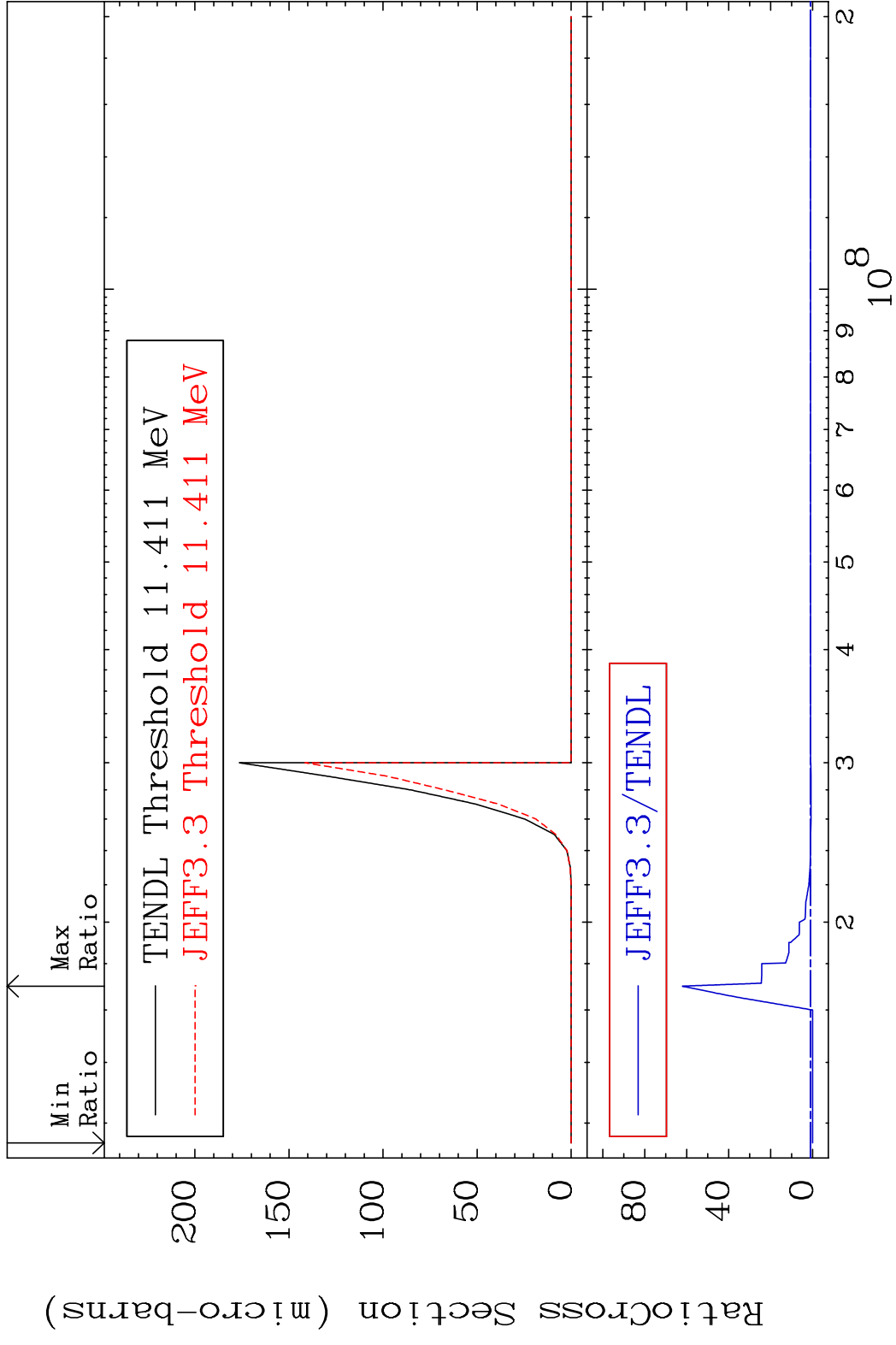
41-Nb-92

Cross Section -100.0 To 449.3 %

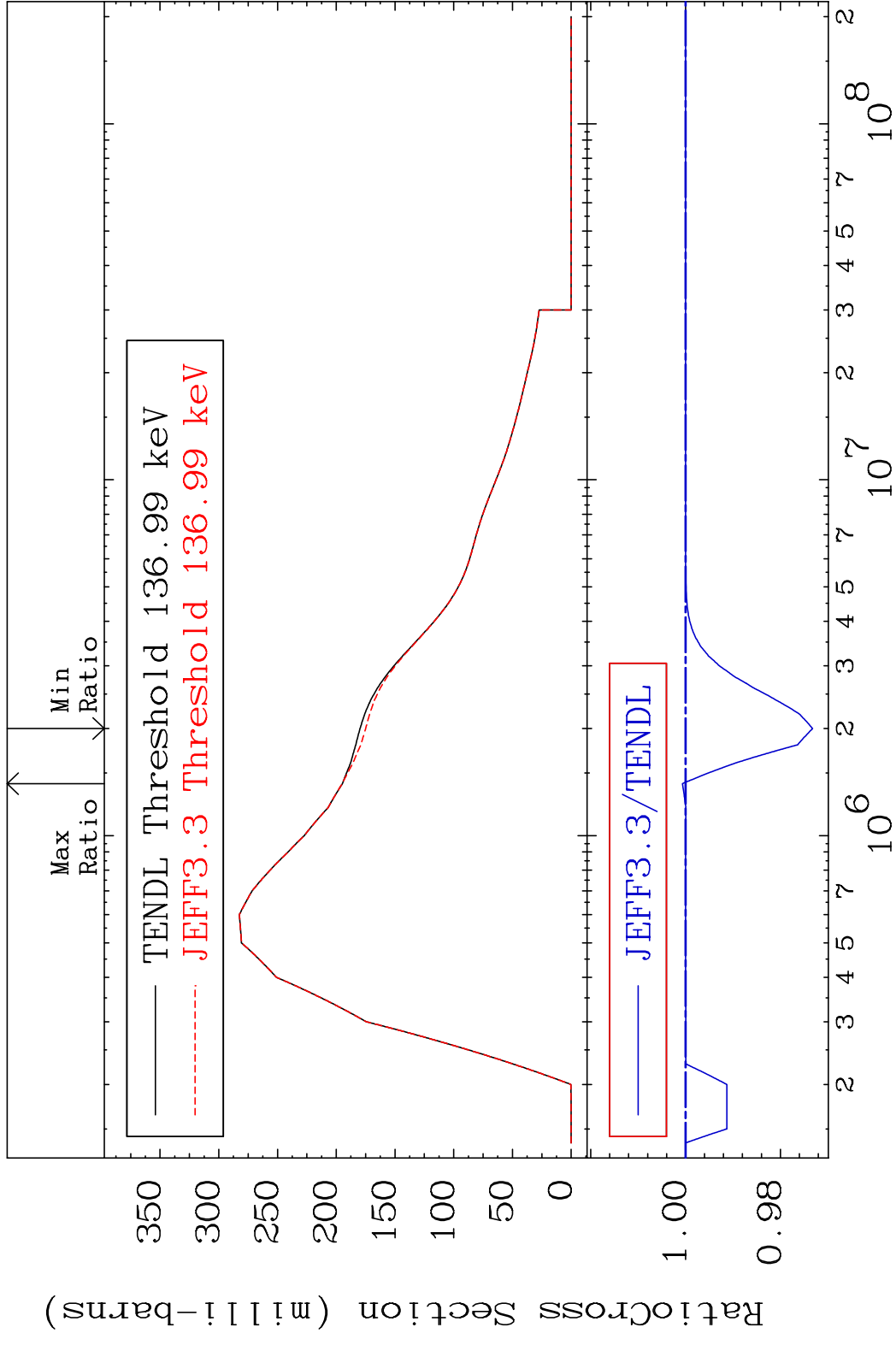


MAT 4122

(n,n') p α 41-Nb-92
Cross Section -100.0 To 6104. %



MAT 4122 MT= 51 (n, n') Level 41-Nb-92
 Cross Section -2.678 To 0.068 %

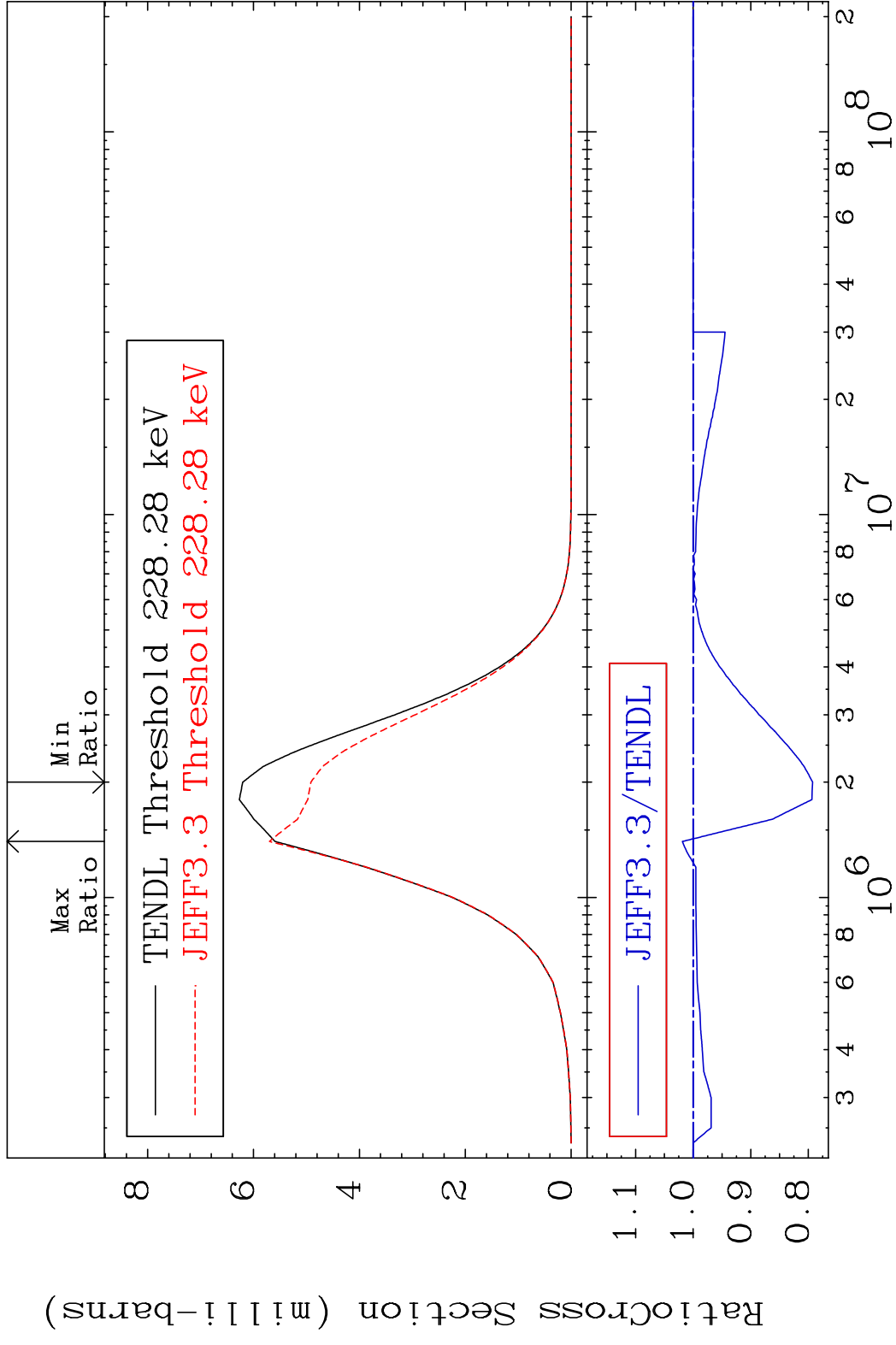


MAT 4122

MT= 52 (n, n') Level

41-Nb-92

Cross Section -20.73 To 1.887 %

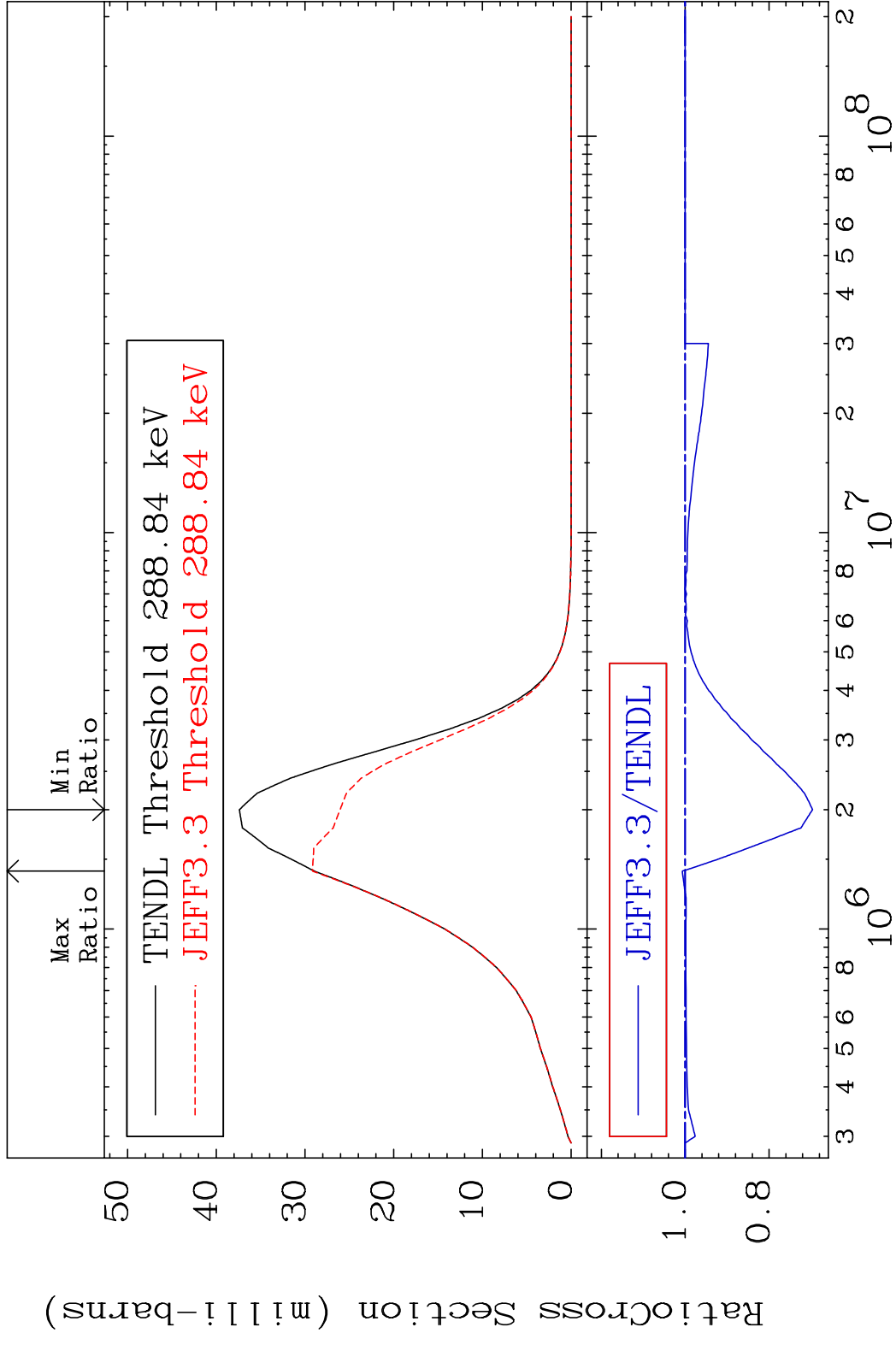


MAT 4122

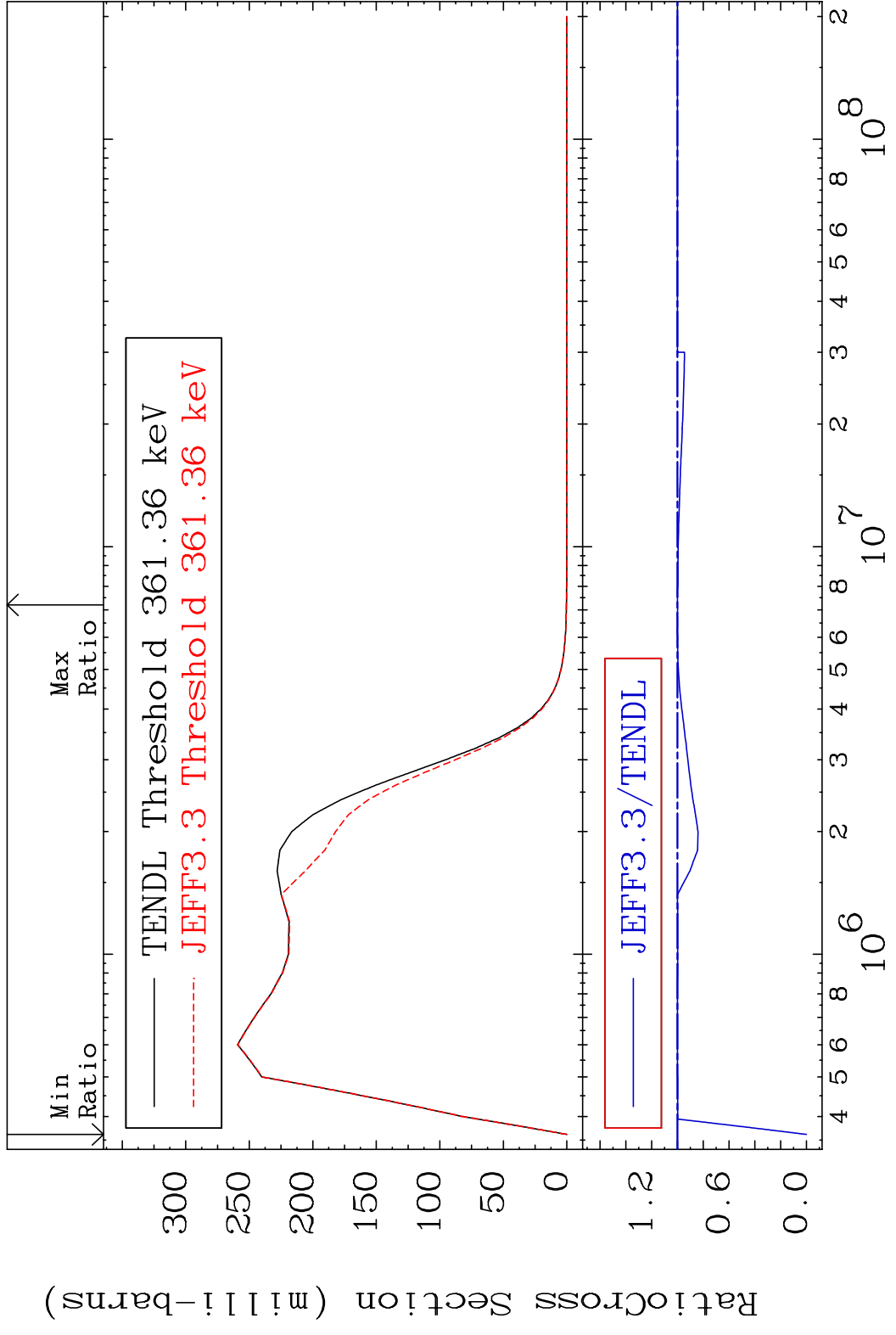
MT= 53 (n, n') Level

41-Nb-92

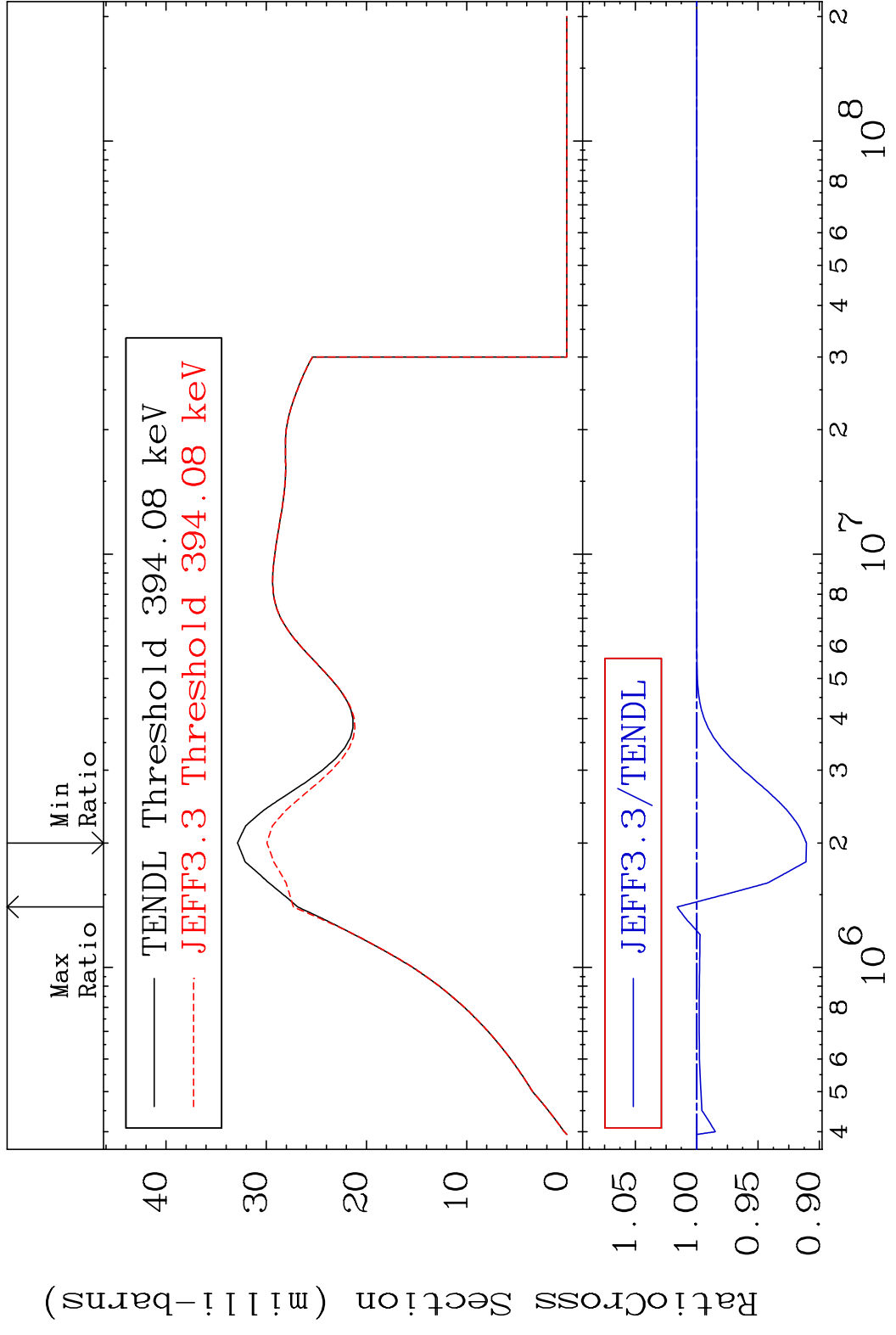
Cross Section -30.37 To 0.678 %



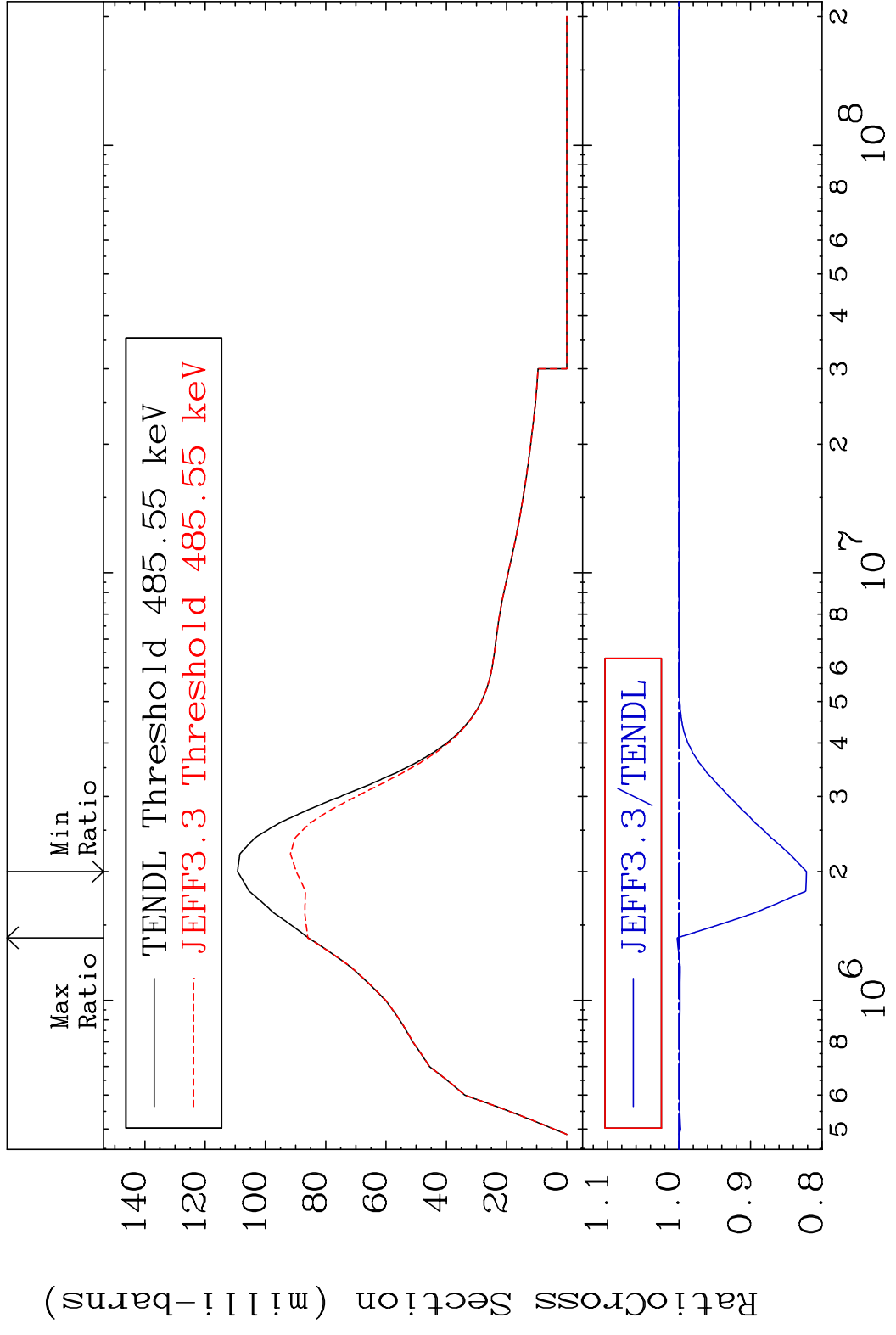
MAT 4122 MT= 54 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.168 %



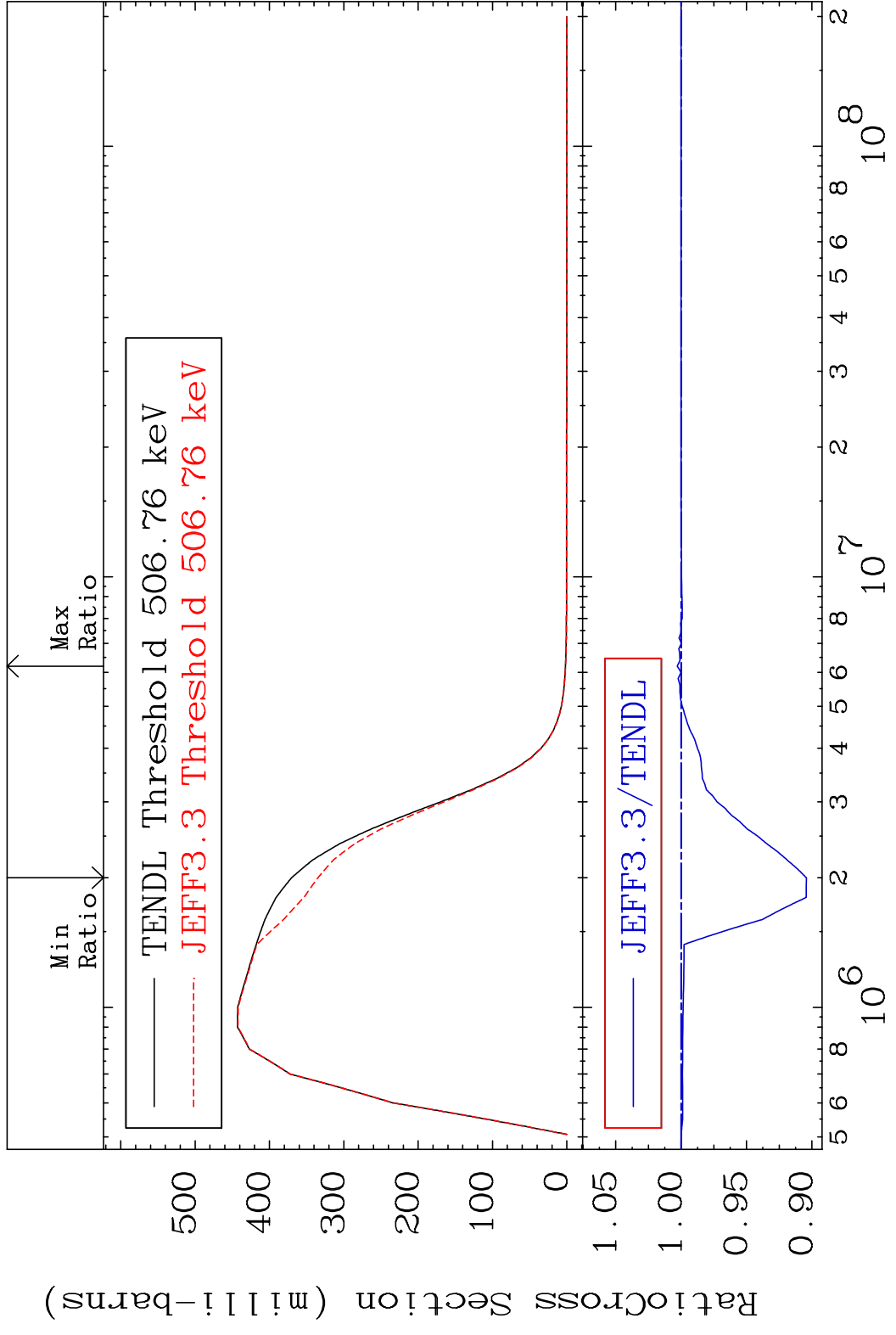
MAT 4122 MT= 55 (n,n') Level 41-Nb-92
 Cross Section -8.938 To 1.591 %



MAT 4122 MT= 56 (n,n') Level 41-Nb-92
 Cross Section -17.82 To 0.254 %



MAT 4122 MT= 57 (n, n') Level 41-Nb-92
 Cross Section -9.578 To 0.302 %

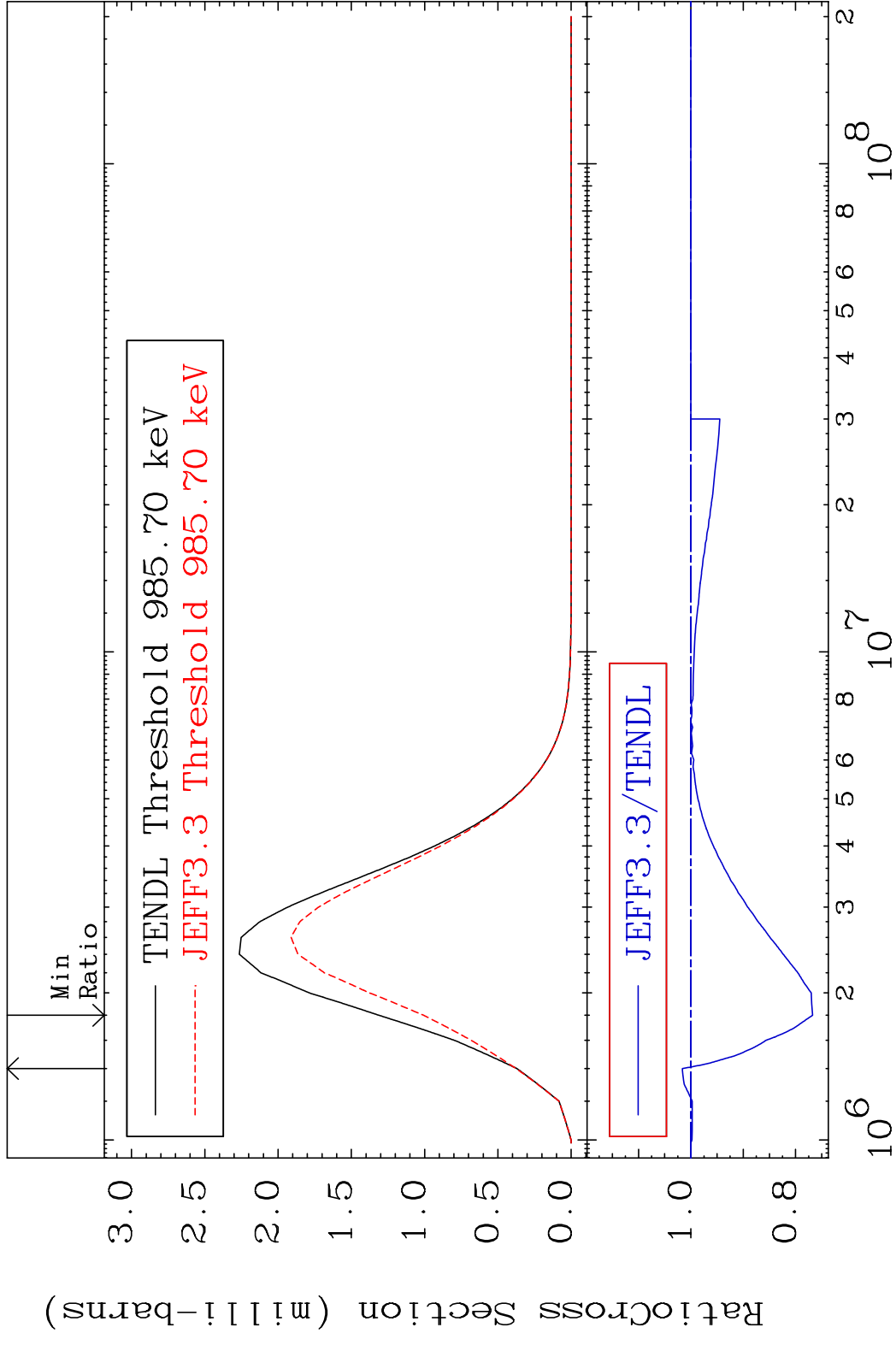


MAT 4122

MT= 58 (n,n') Level

41-Nb-92

Cross Section -23.24 To 1.628 %

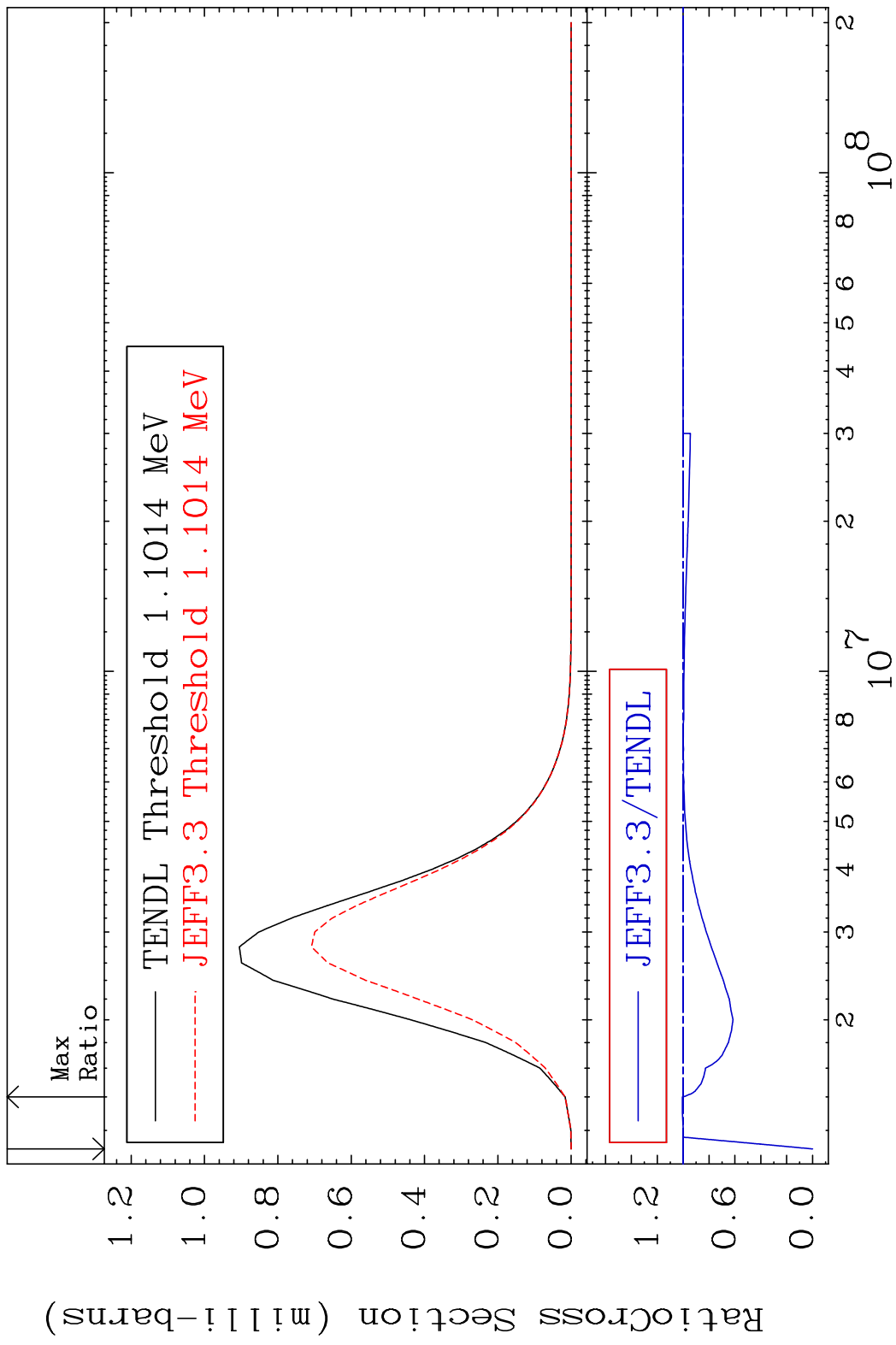


25

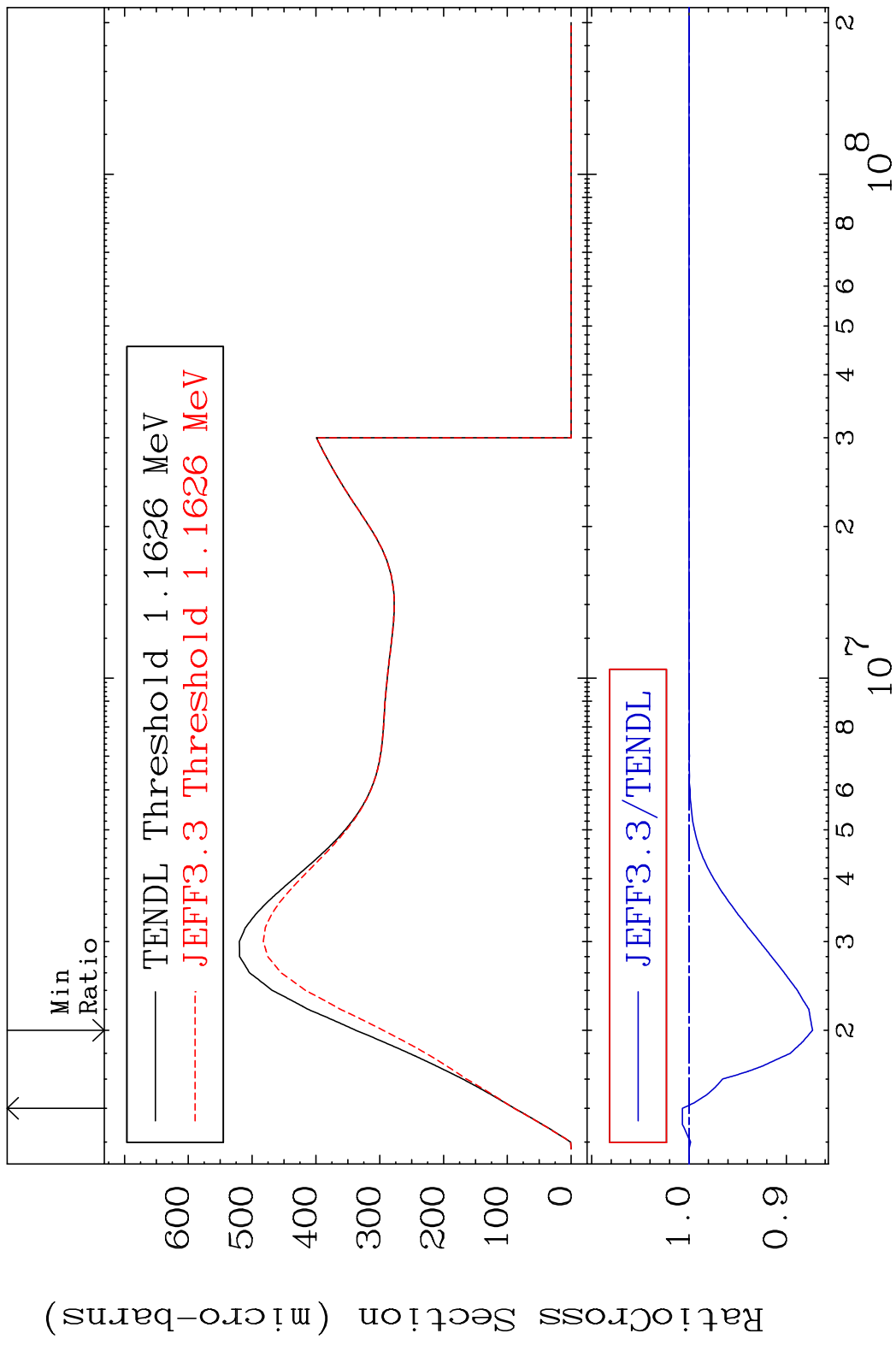
Incident Energy (eV)

41-Nb-92

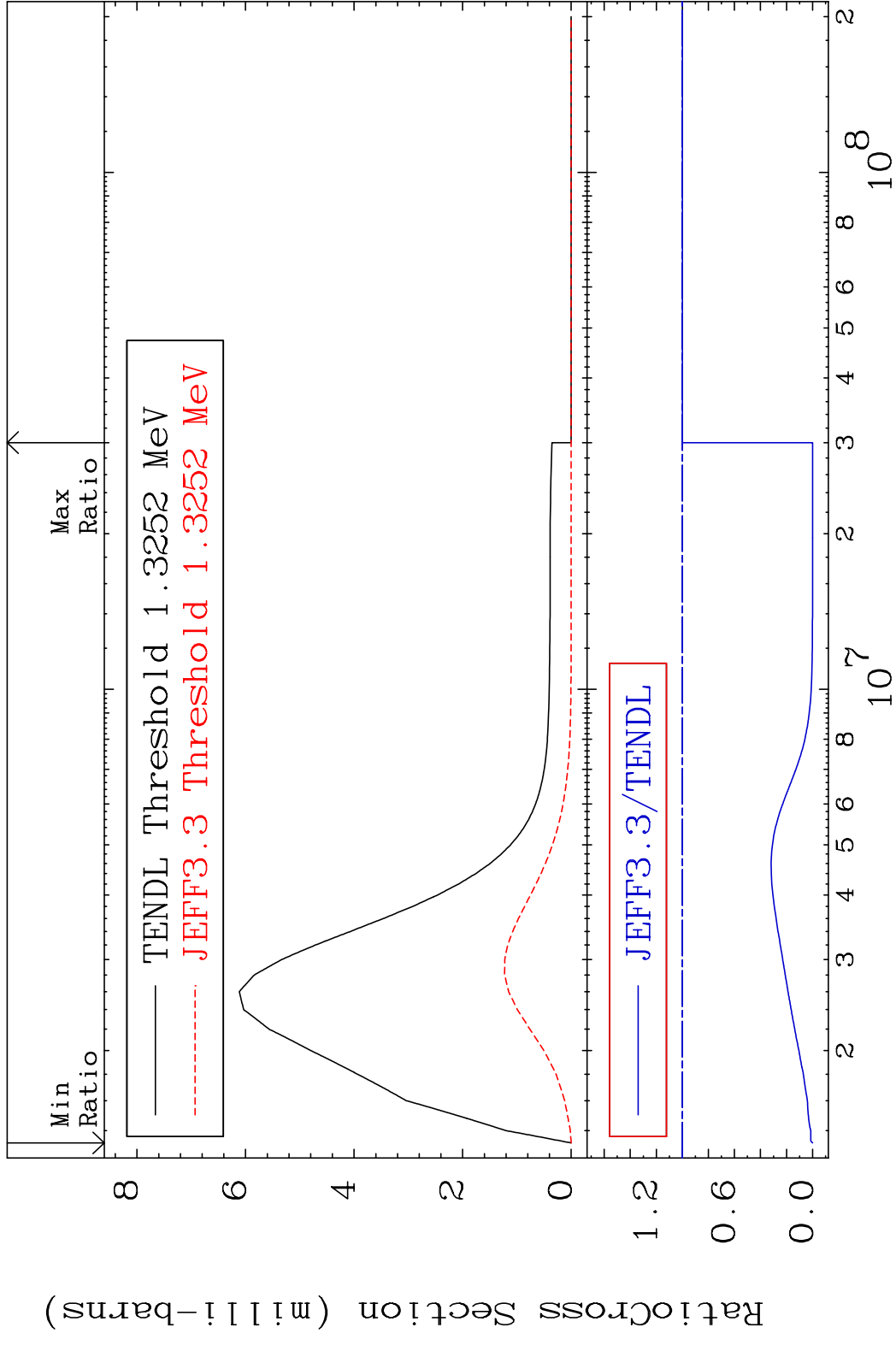
MAT 4122 MT= 59 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.631 %



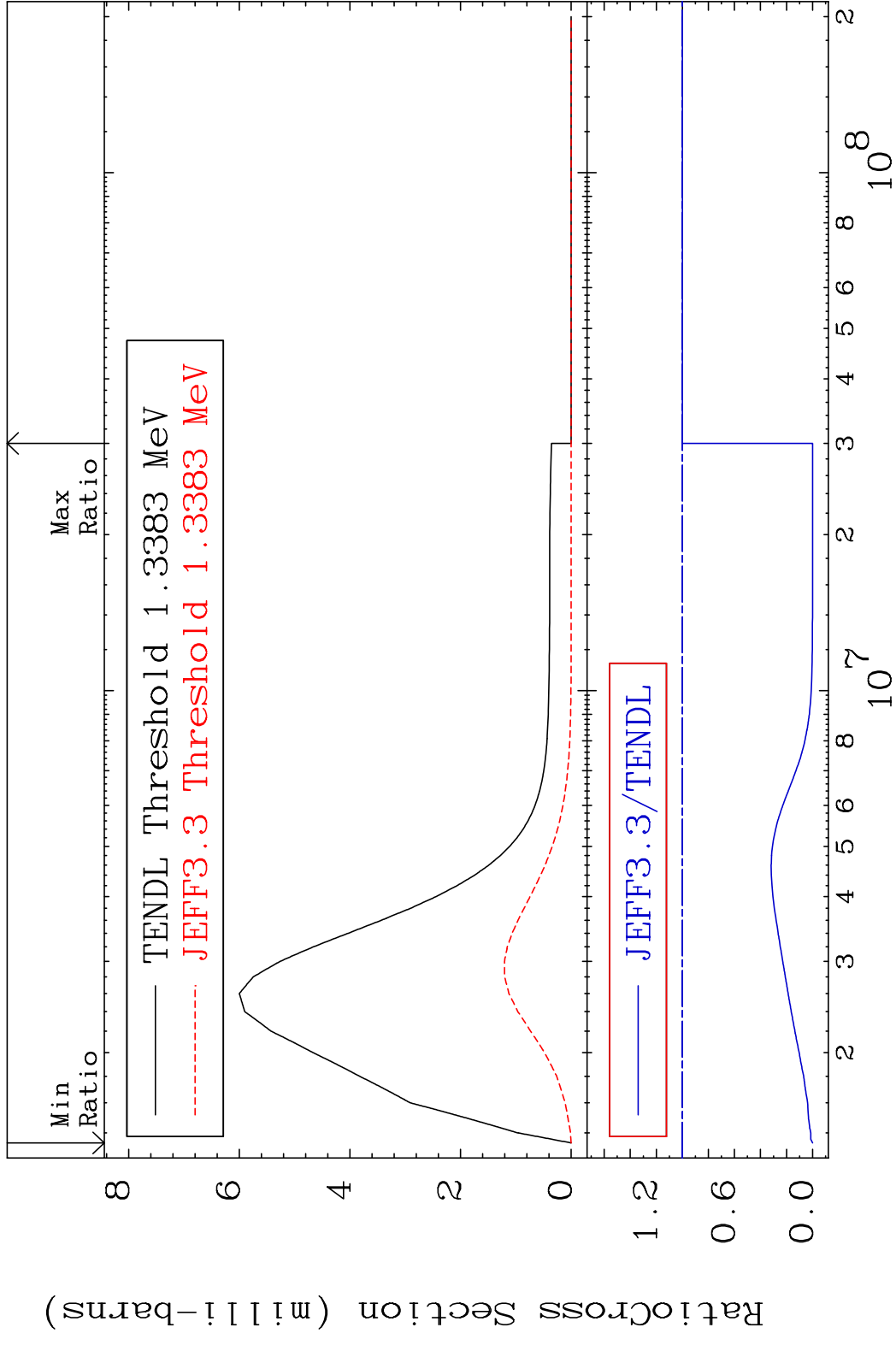
MAT 4122 MT= 60 (n, n') Level 41-Nb-92
 Cross Section -12.70 To 0.685 %



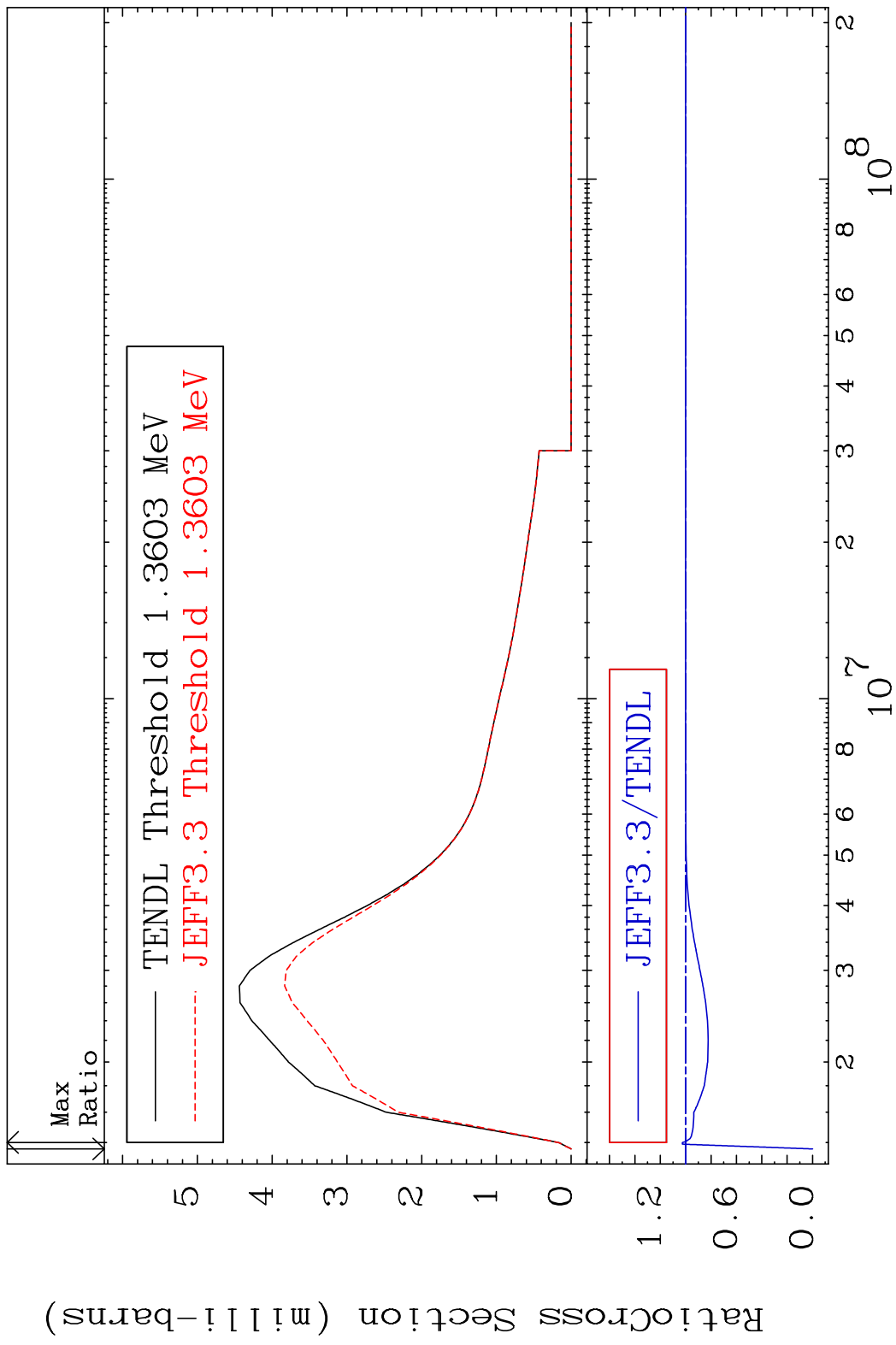
MAT 4122 MT= 61 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.000 %



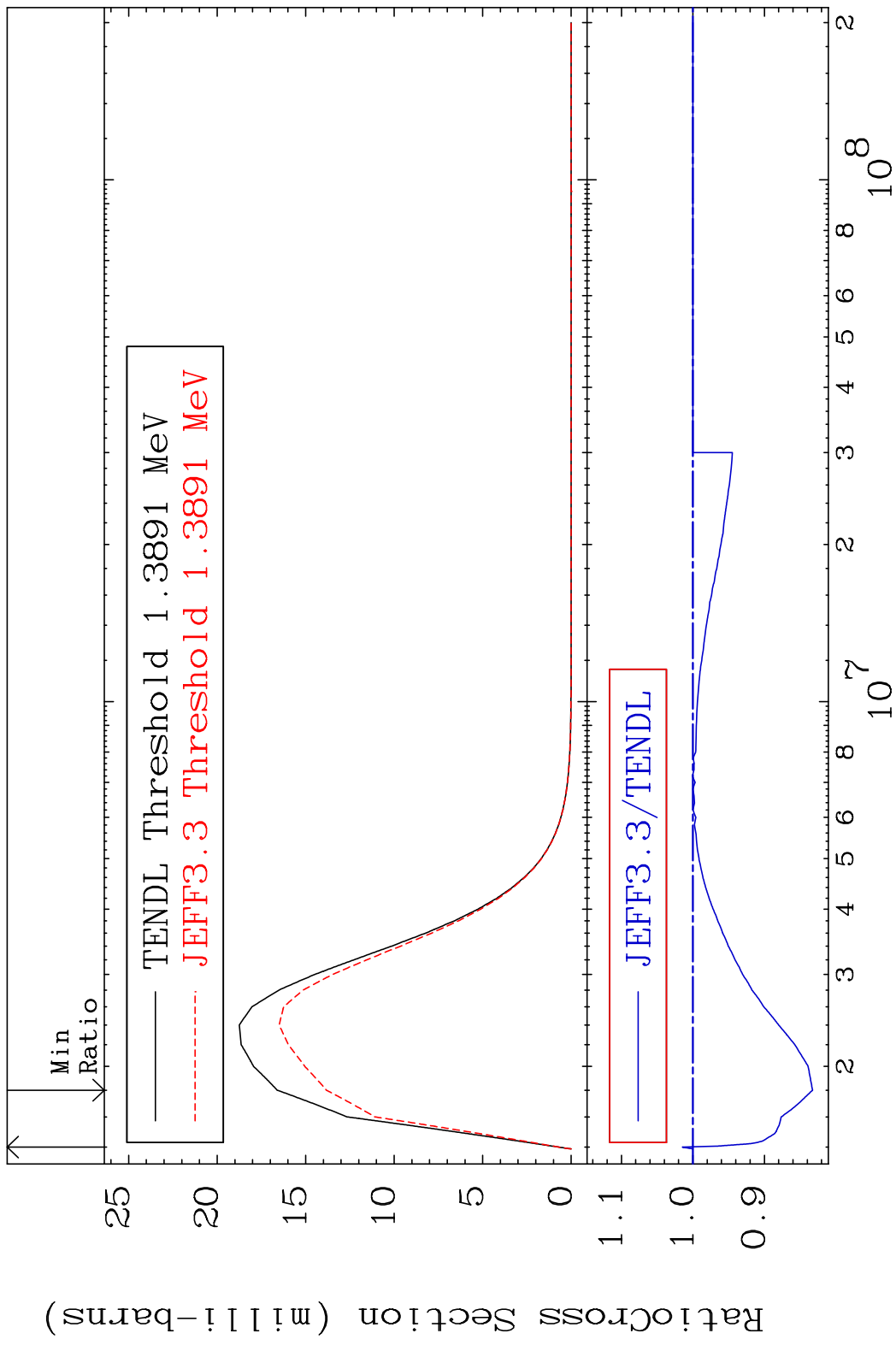
MAT 4122 MT= 62 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 0.000 %



MAT 4122 MT= 63 (n, n') Level 41-Nb-92
 Cross Section -100.0 To 2.591 %

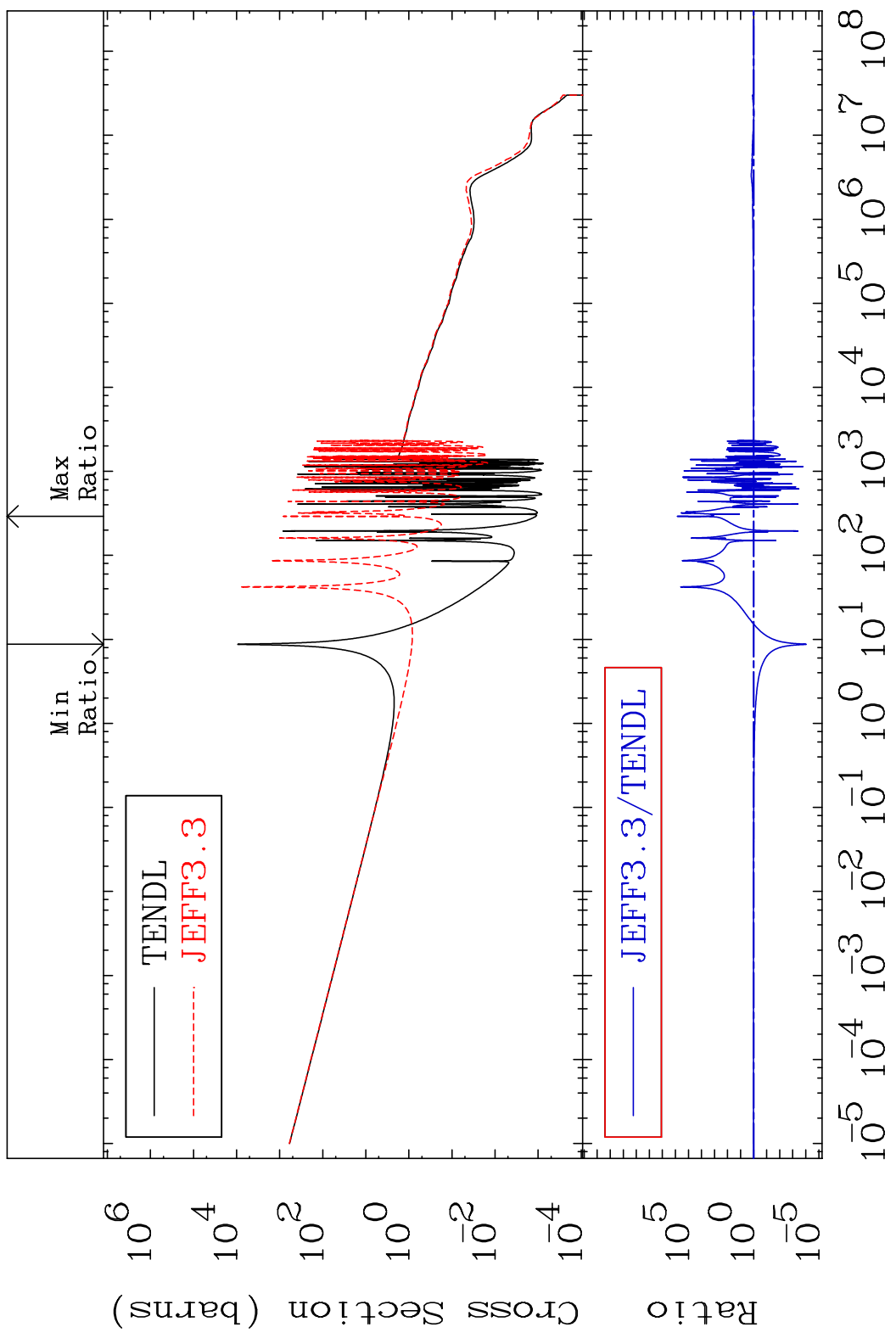


MAT 4122 MT= 64 (n, n') Level 41-Nb-92
 Cross Section -16.74 To 1.478 %



MAT 4122

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



33

Incident Energy (eV) 41-Nb-92

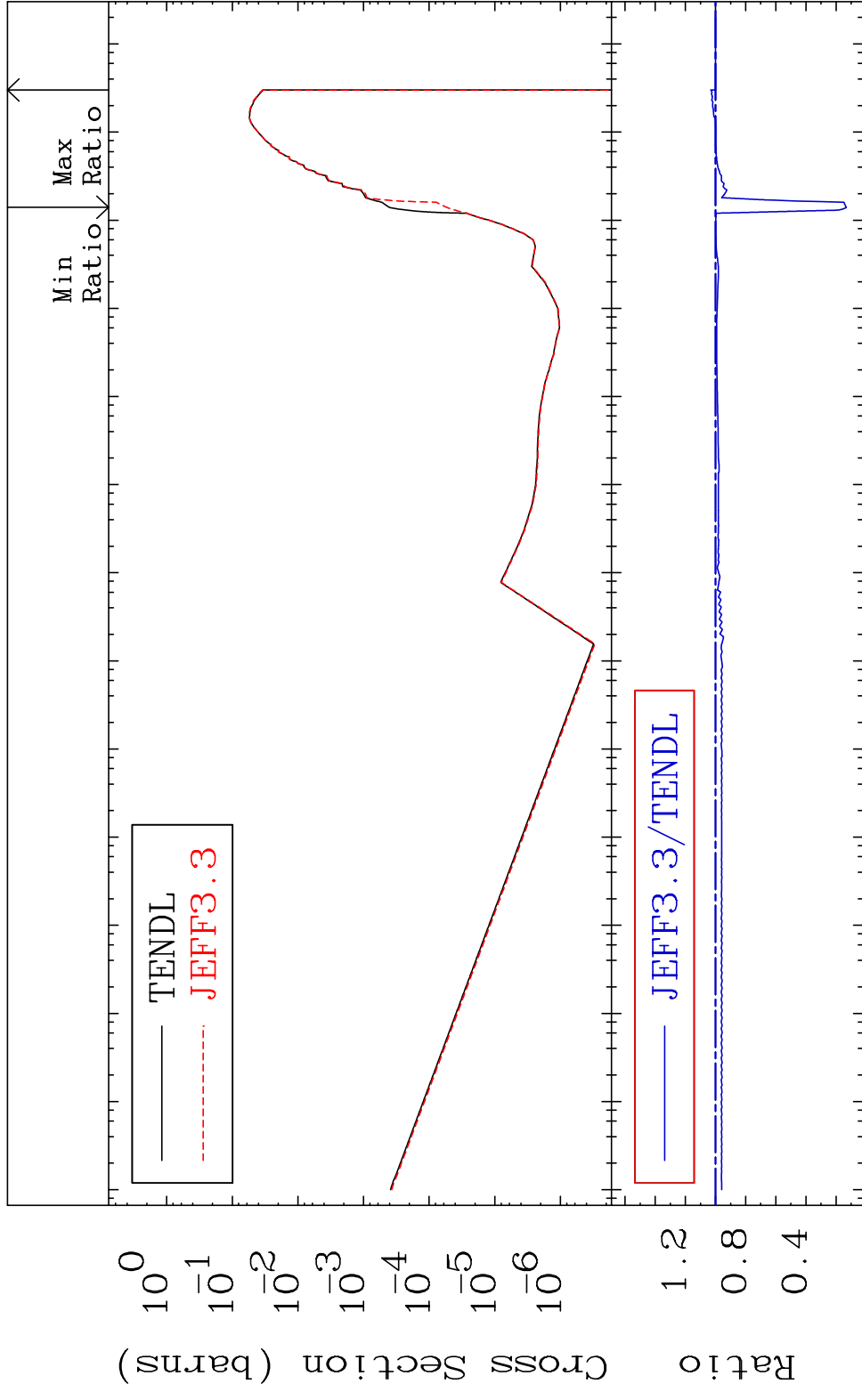
MAT 4122

(n, p)

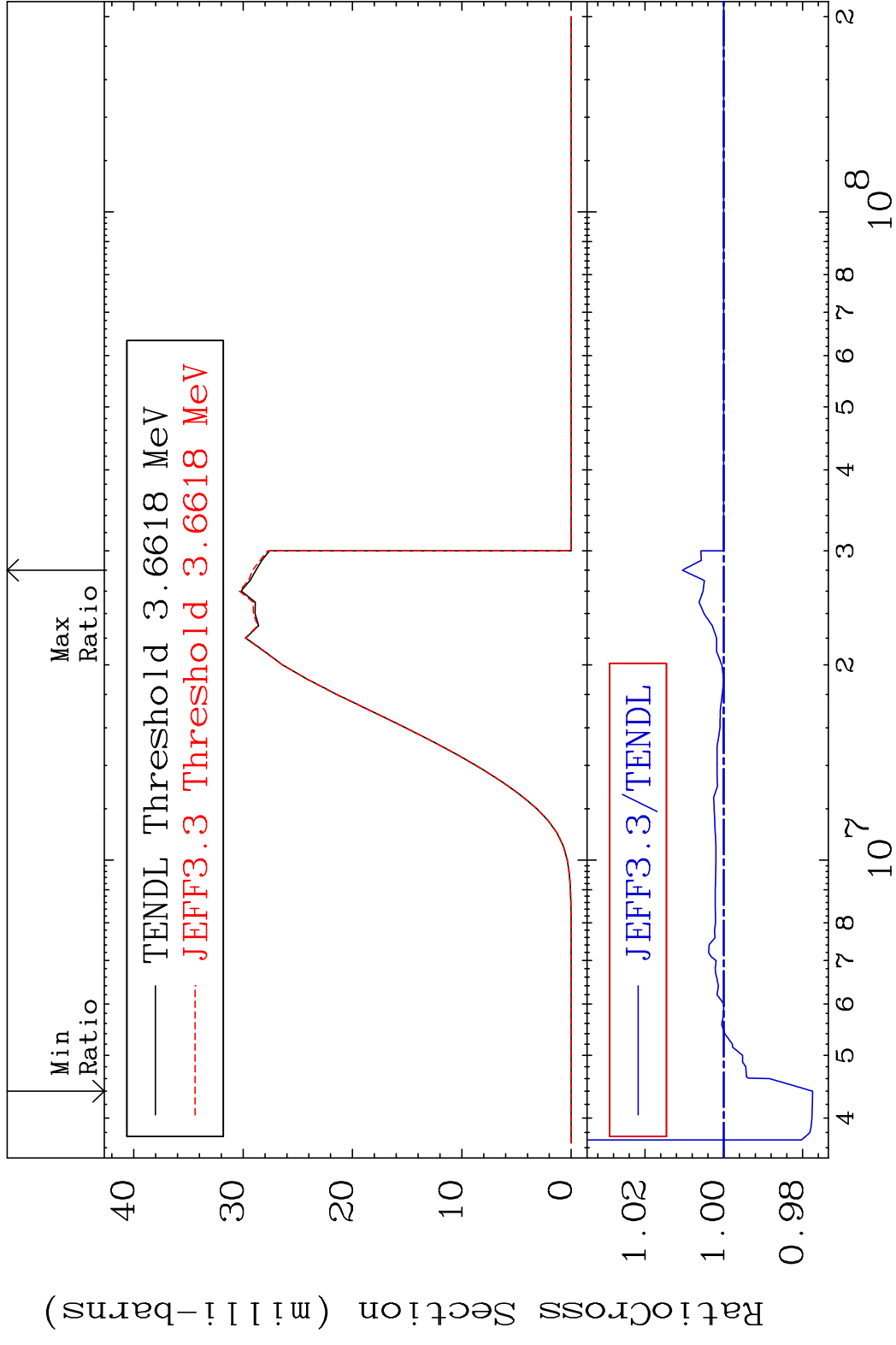
41-Nb-92

Cross Section

-86.76 To 3.178 %

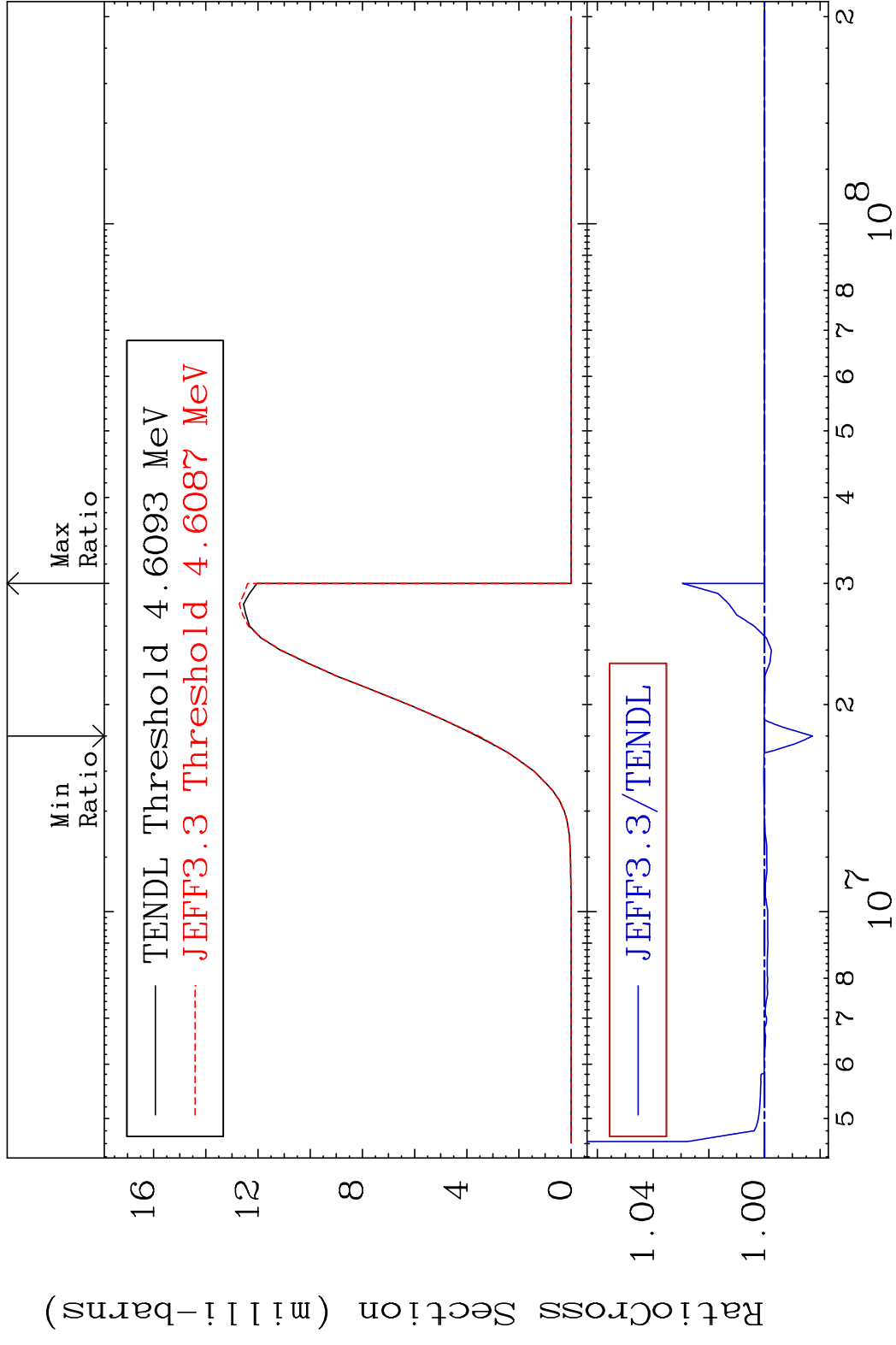


MAT 4122 (n, d) 41-Nb-92
 Cross Section -2.255 To 1.051 %



MAT 4122

(n, t) 41-Nb-92
Cross Section -1.726 To 2.950 %

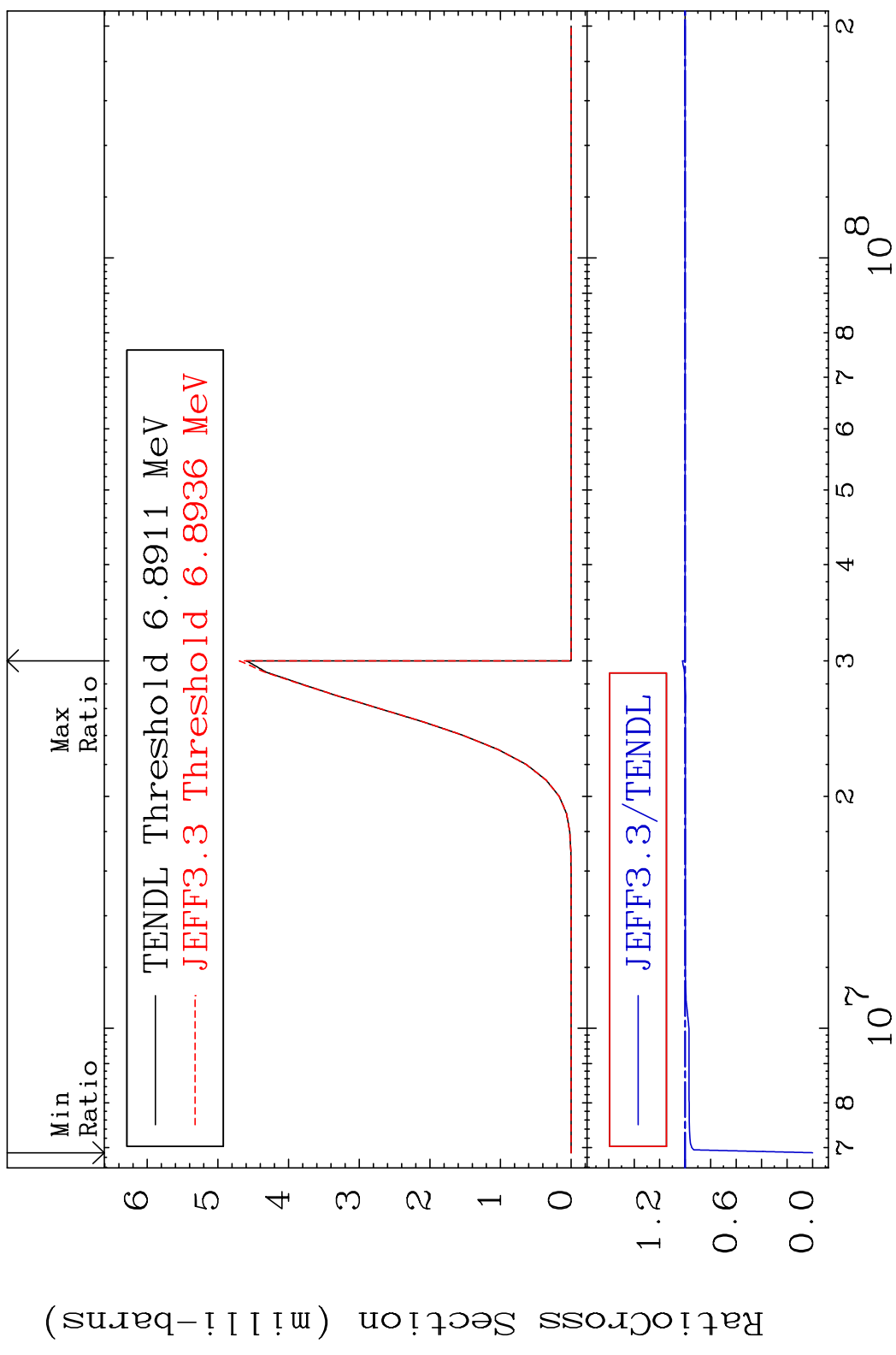


MAT 4122

(n, He-3)

41-Nb-92

Cross Section -100.0 To 2.203 %



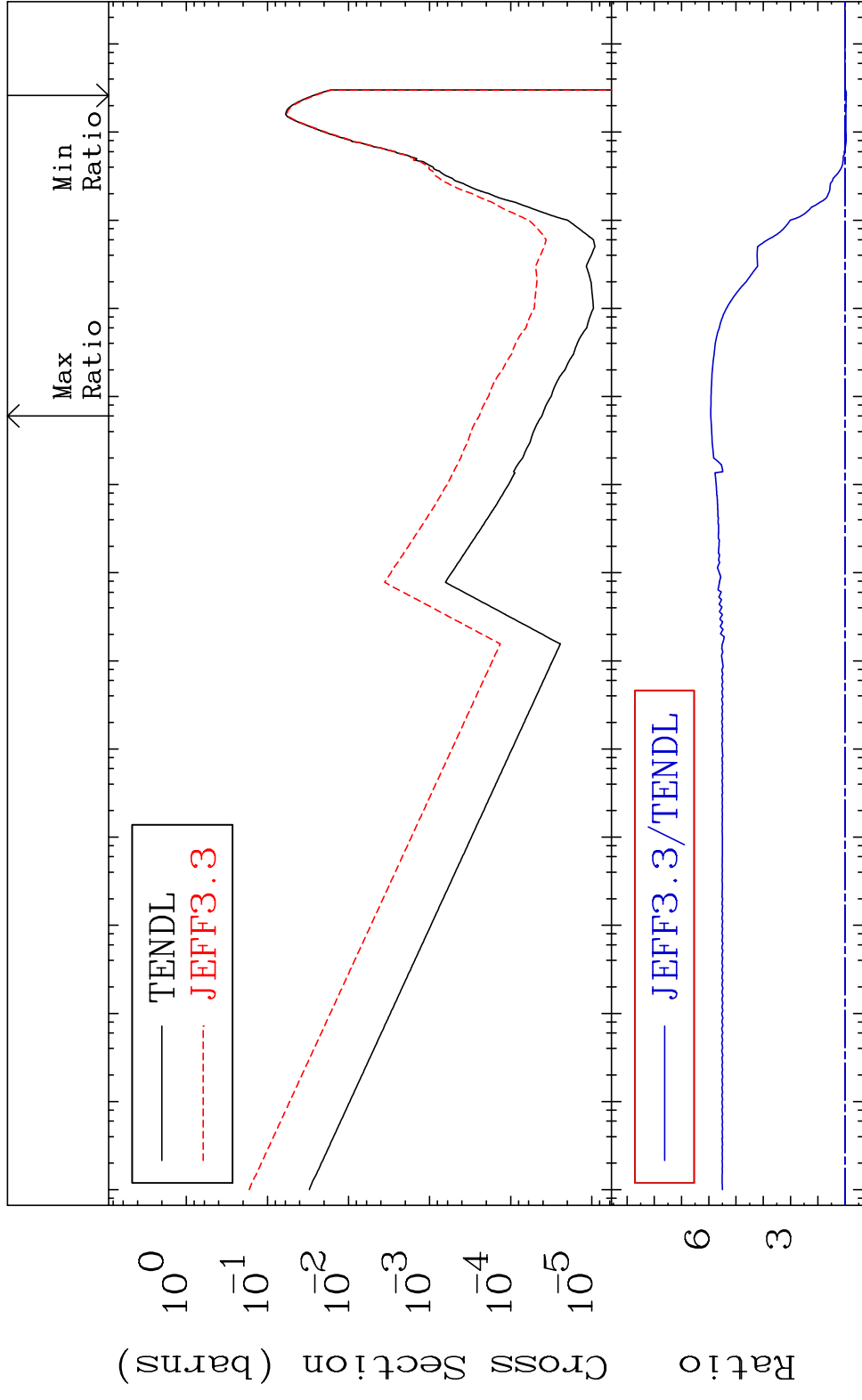
MAT 4122

(n, α)

41-Nb-92

Cross Section

-4.836 To 492.9 %



Cross Section (barns)
 10^0
 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-5}
Ratio
6
3

Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

38

Incident Energy (eV)

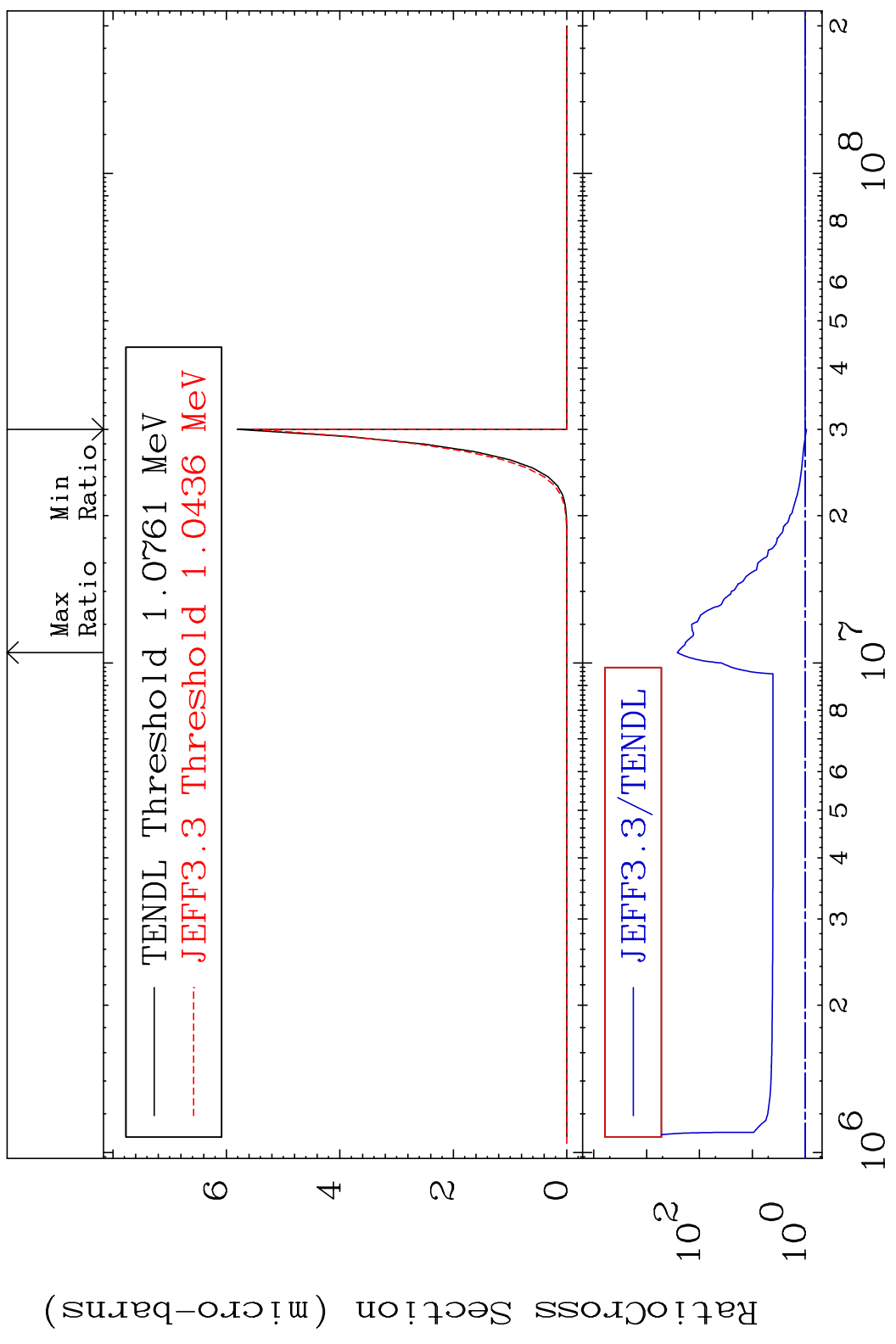
41-Nb-92

MAT 4122

(n, 2α)

41-Nb-92

Cross Section -5.254 To 9999. %



39

Incident Energy (eV)

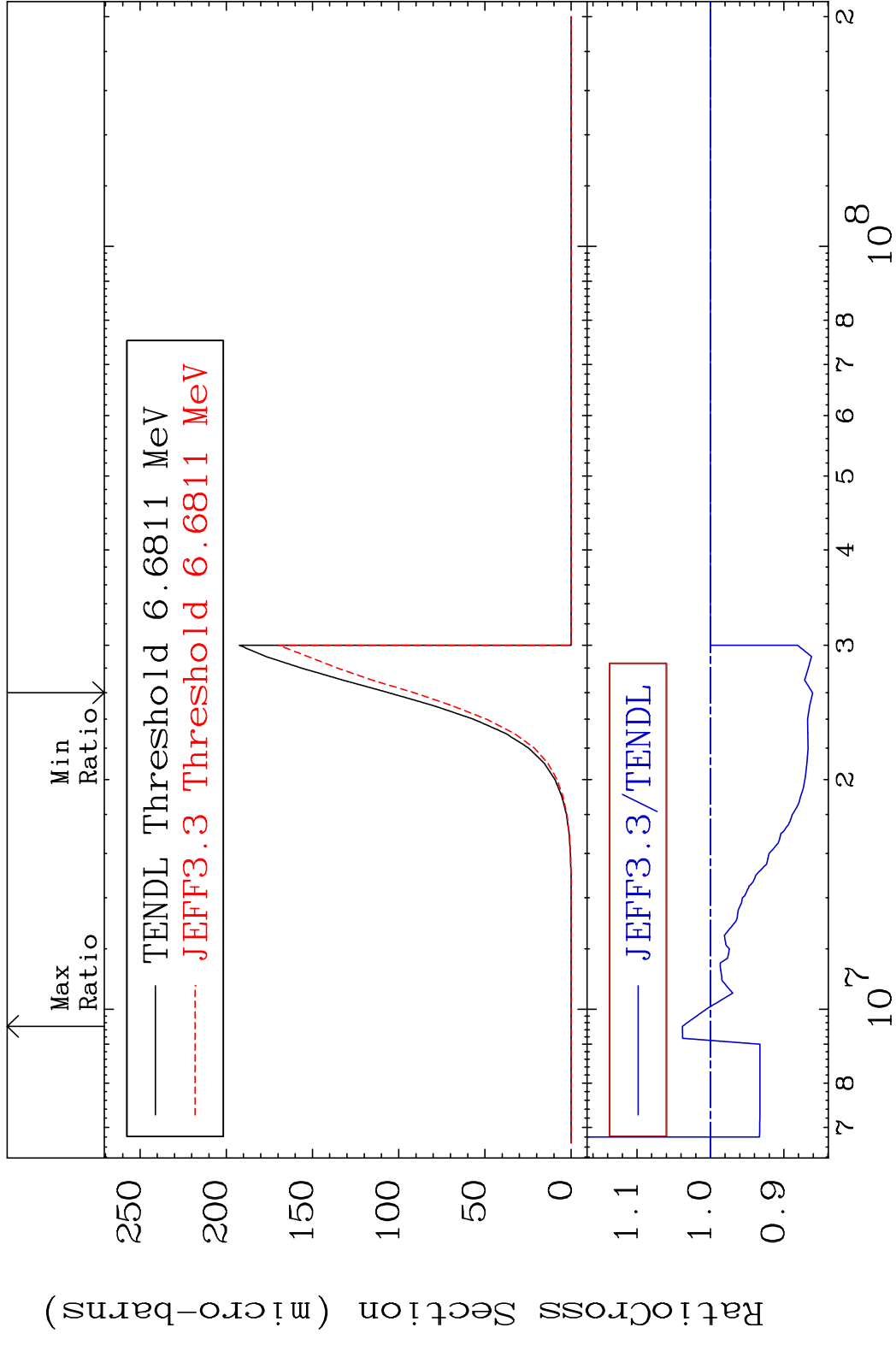
41-Nb-92

MAT 4122

(n,2p)

41-Nb-92

Cross Section -13.90 To 3.824 %



40

Incident Energy (eV)

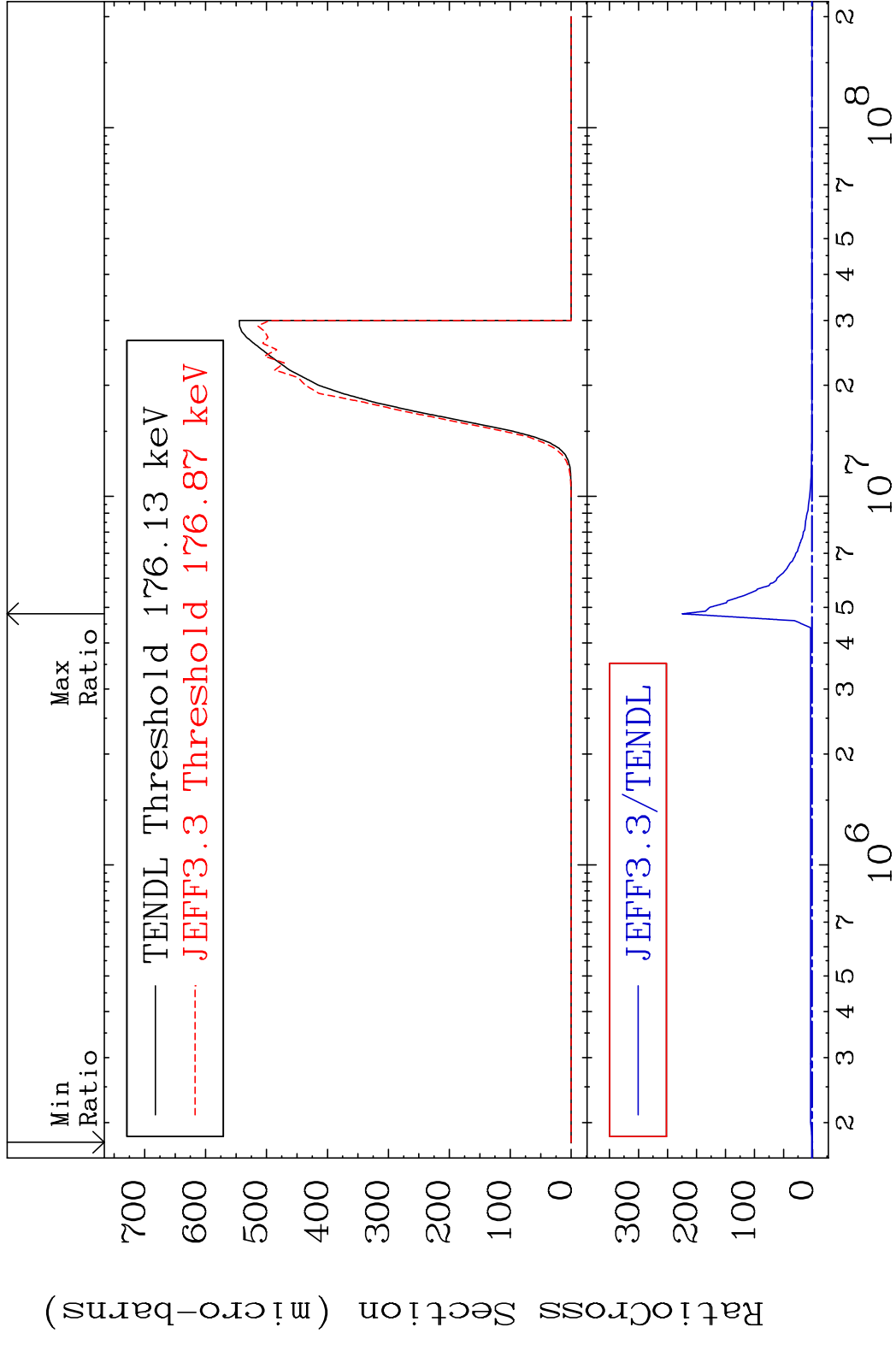
41-Nb-92

MAT 4122

(n,p) α

41-Nb-92

Cross Section -100.0 To 9999. %

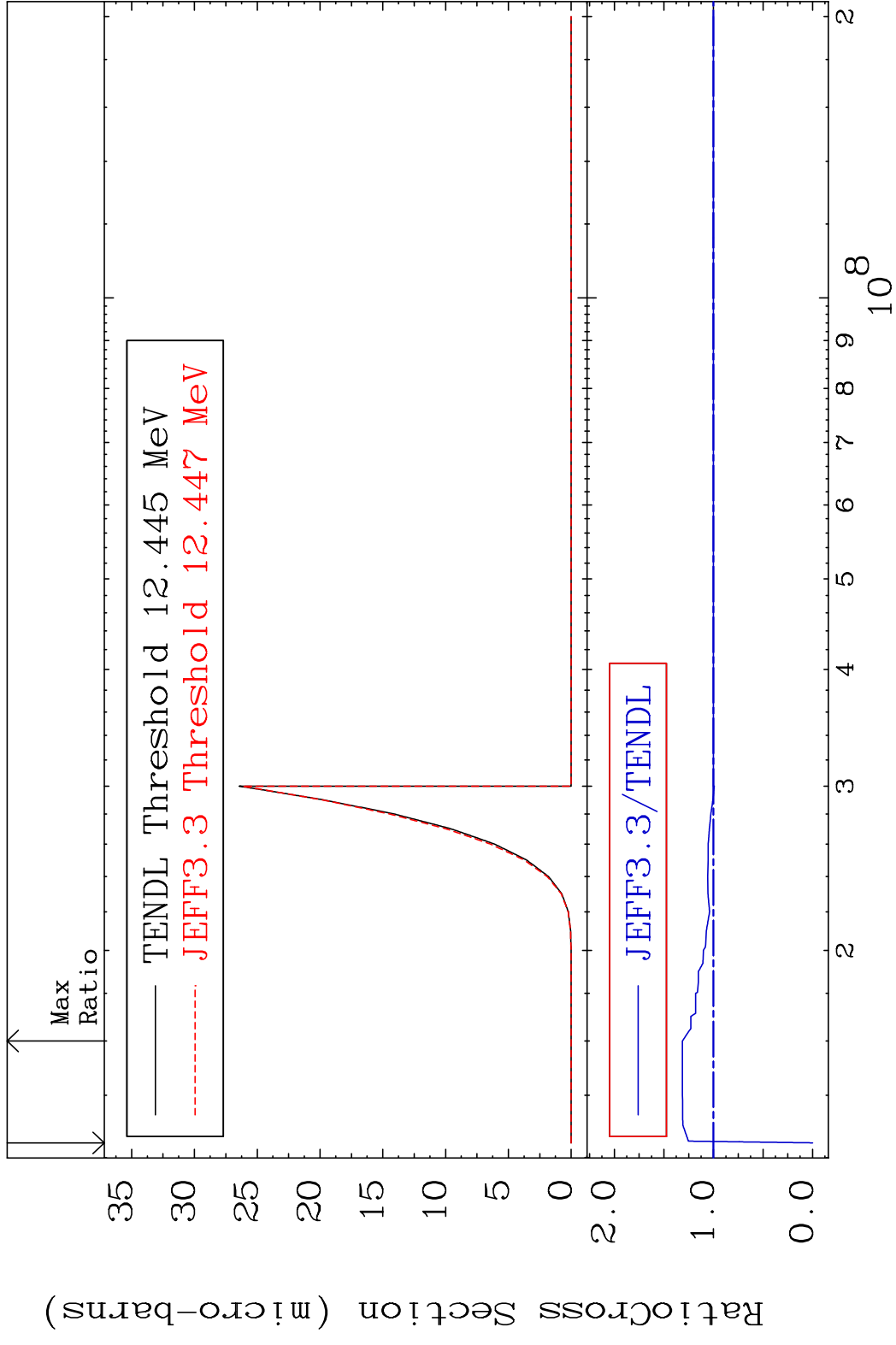


MAT 4122

(n,p) d

41-Nb-92

Cross Section -100.0 To 31.39 %

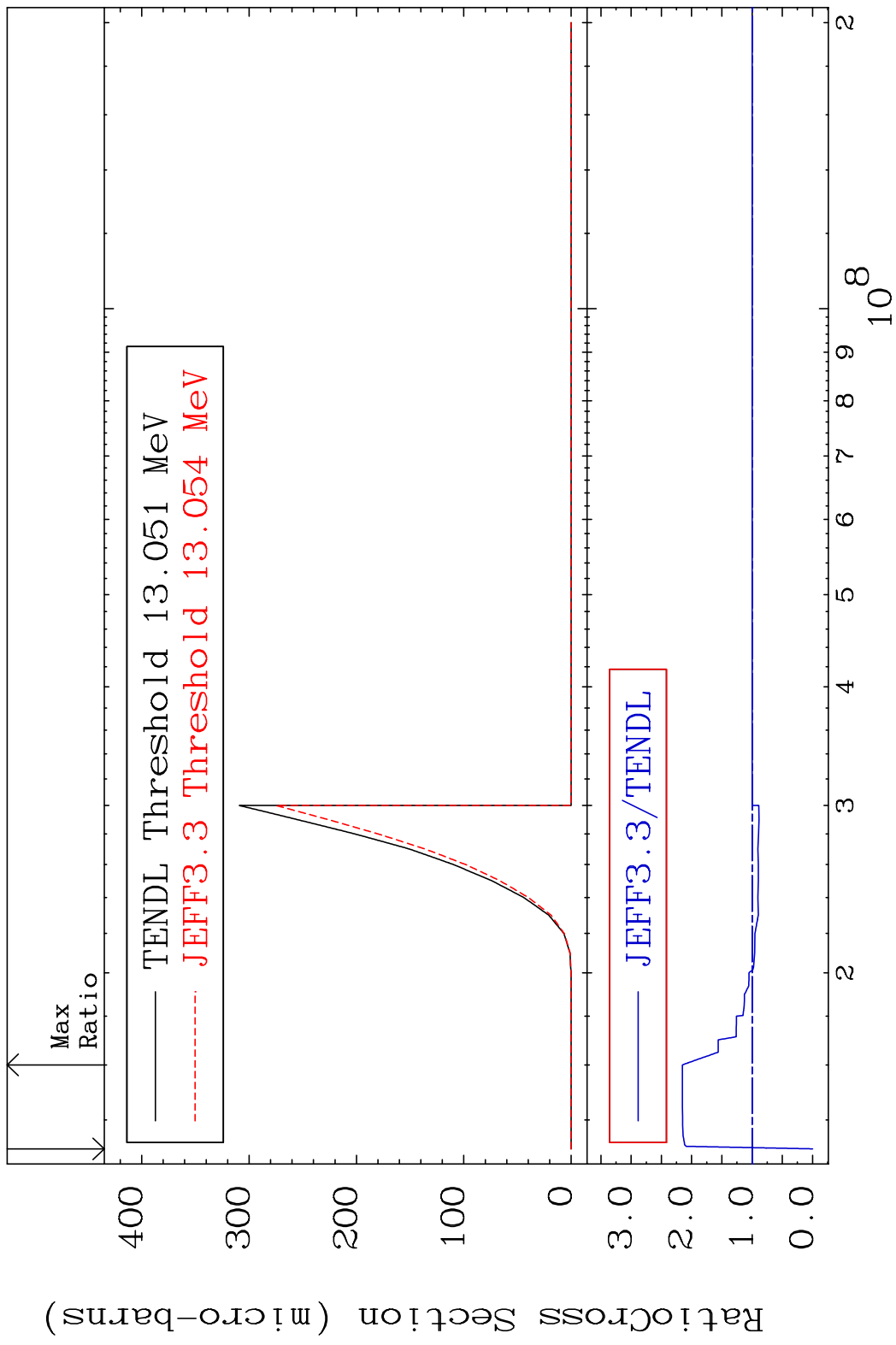


42

Incident Energy (eV)

41-Nb-92

MAT 4122 (n,p) t 41-Nb-92
 Cross Section -100.0 To 115.3 %

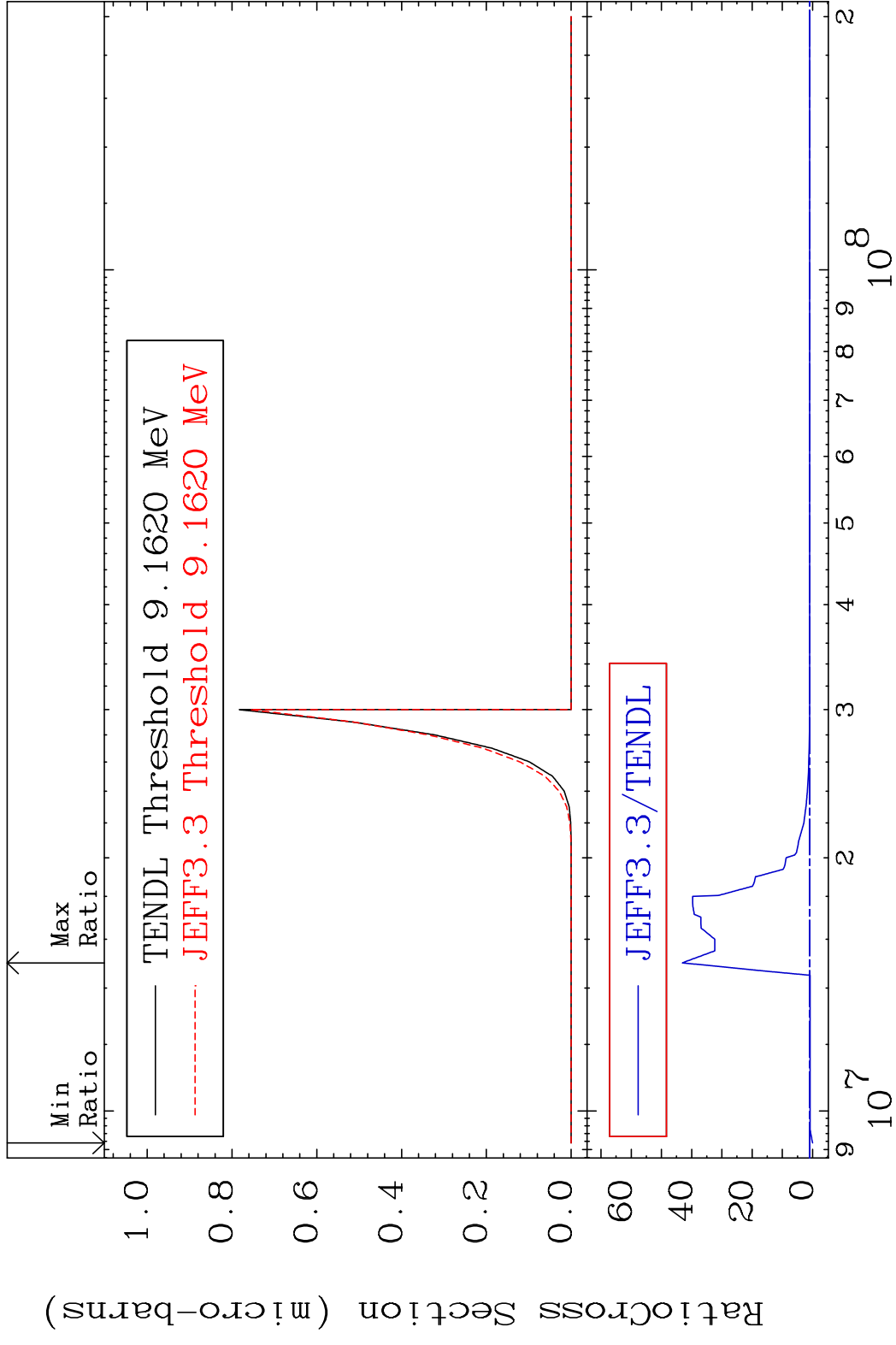


MAT 4122

(n,d) α

41-Nb-92

Cross Section -100.0 To 4208. %



44

Incident Energy (eV)

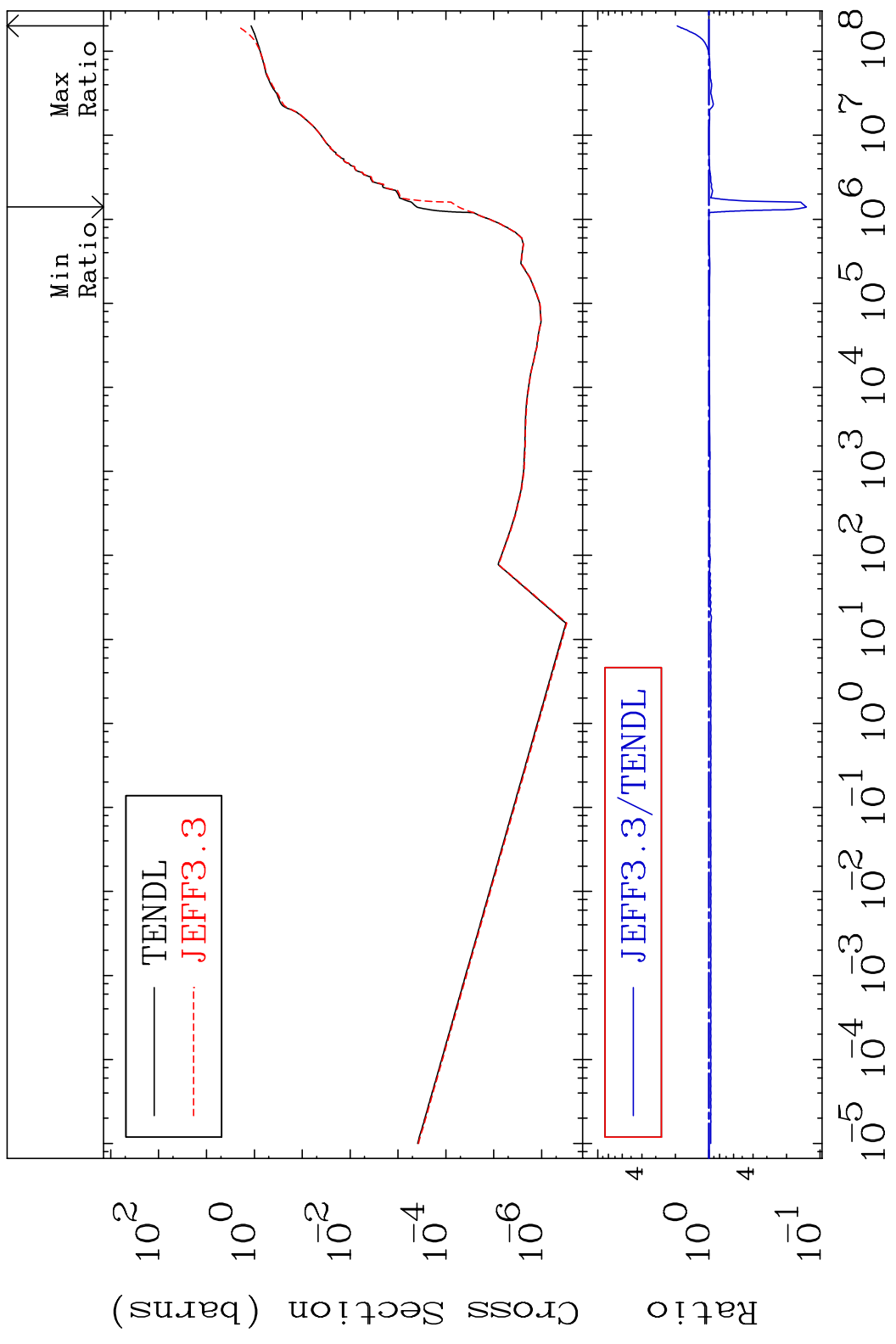
41-Nb-92

MAT 4122

Hydrogen Production

41-Nb-92

Cross Section -86.76 To 92.57 %



45

Incident Energy (eV)

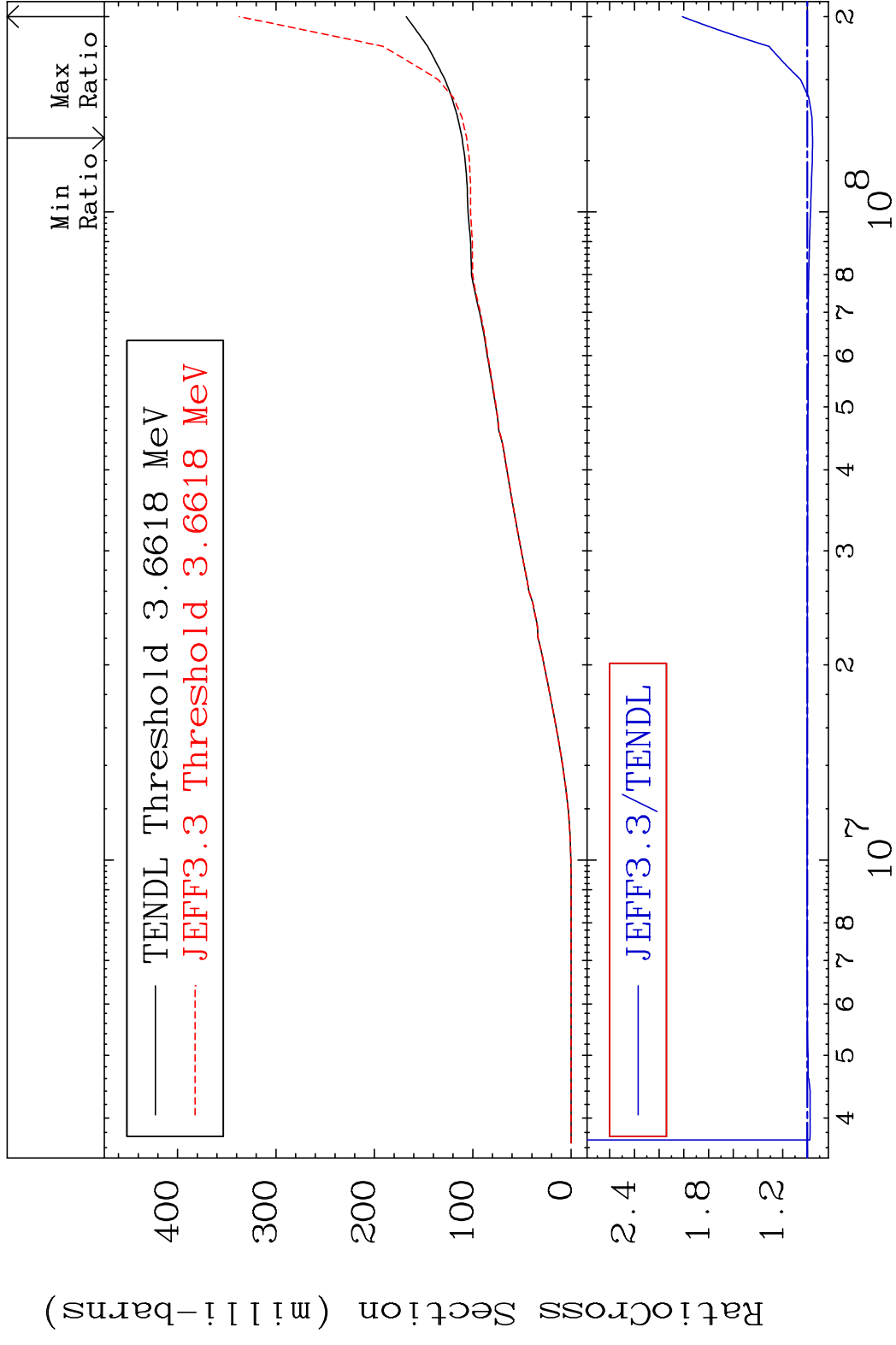
41-Nb-92

MAT 4122

Deuterium Production

41-Nb-92

Cross Section -4.198 To 101.2 %

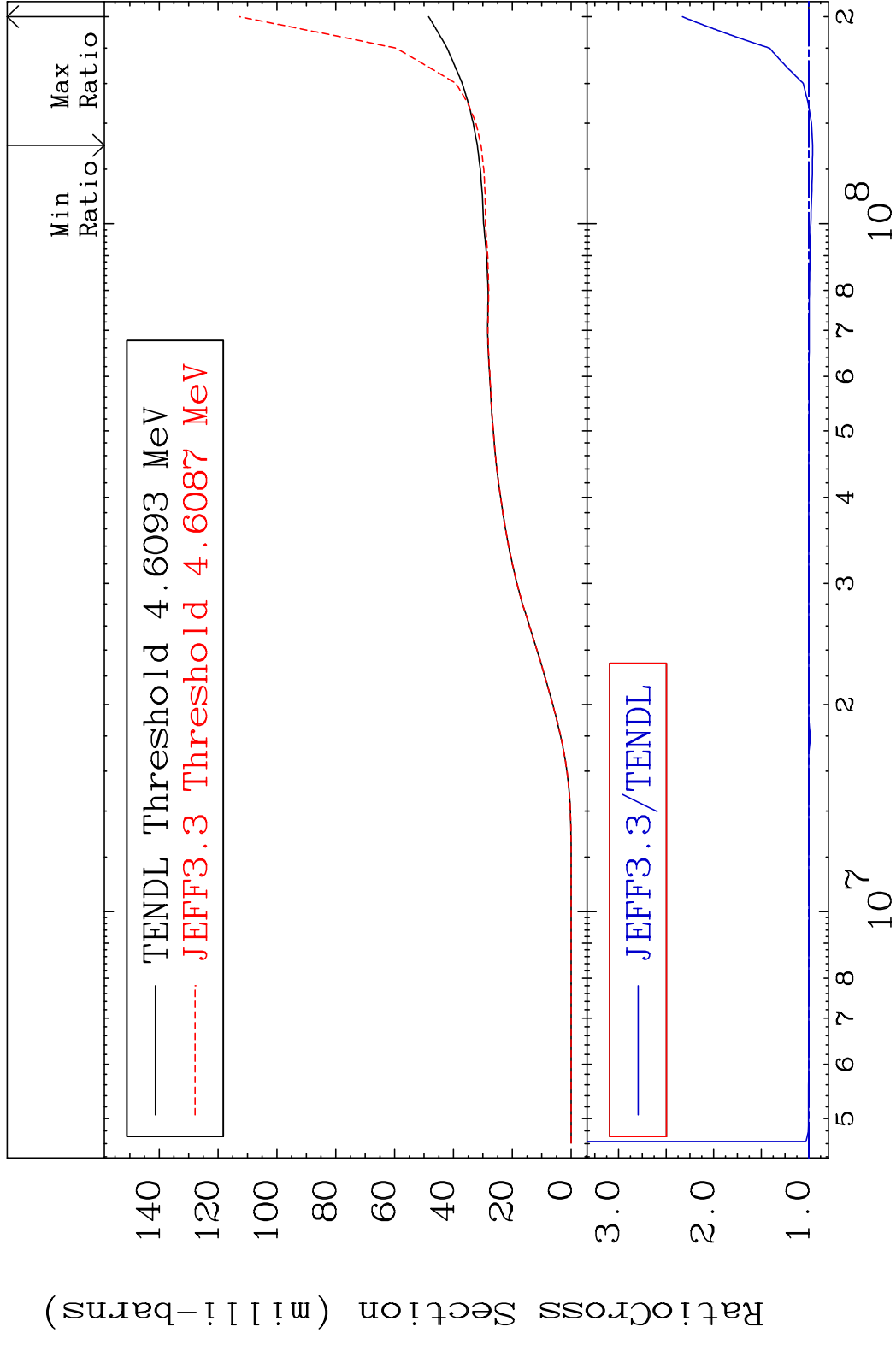


MAT 4122

Tritium Production

41-Nb-92

Cross Section -4.012 To 132.9 %



47

Incident Energy (eV)

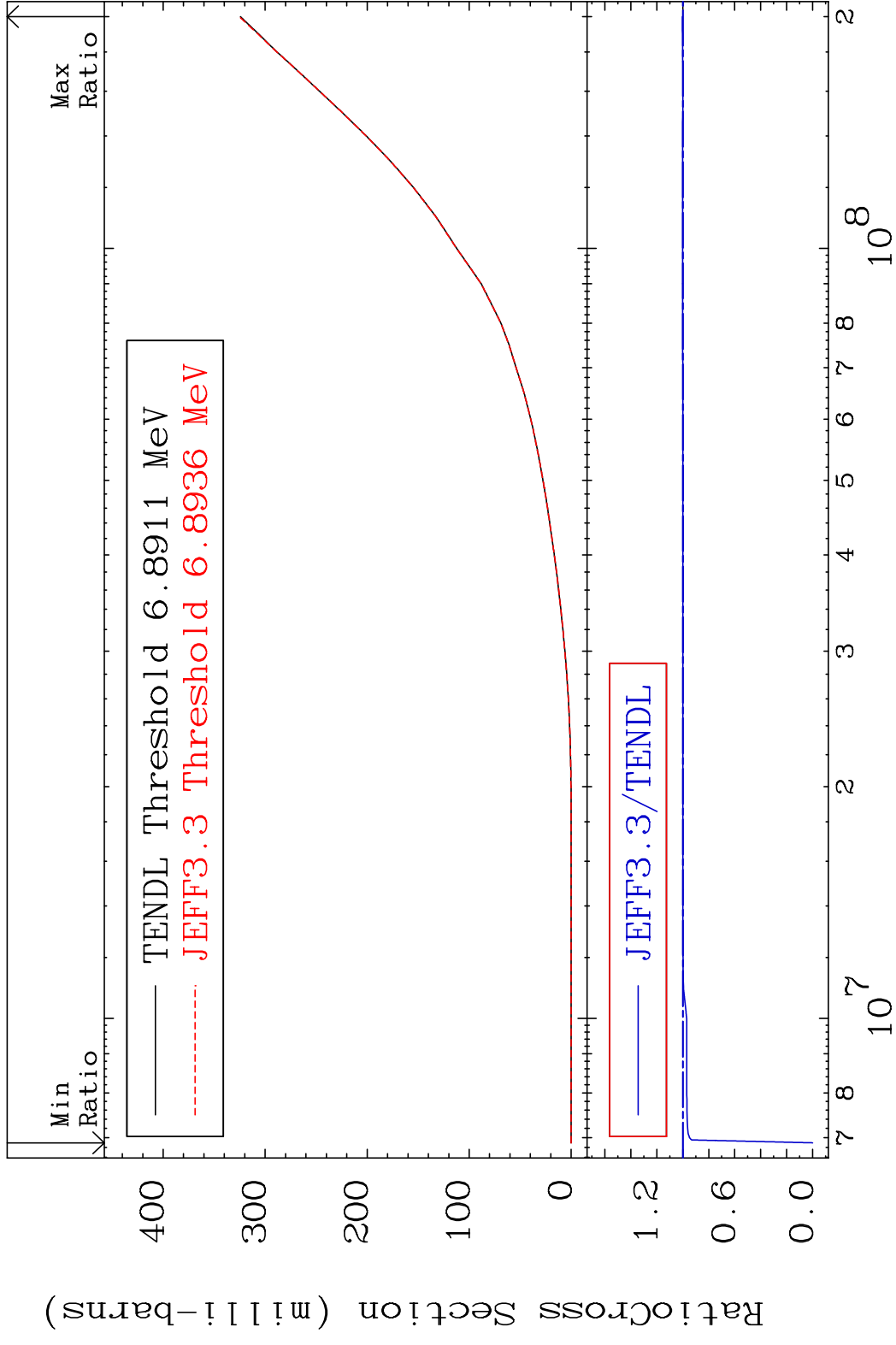
41-Nb-92

MAT 4122

He-3 Production

41-Nb-92

Cross Section -100.0 To 0.334 %



48

Incident Energy (eV)

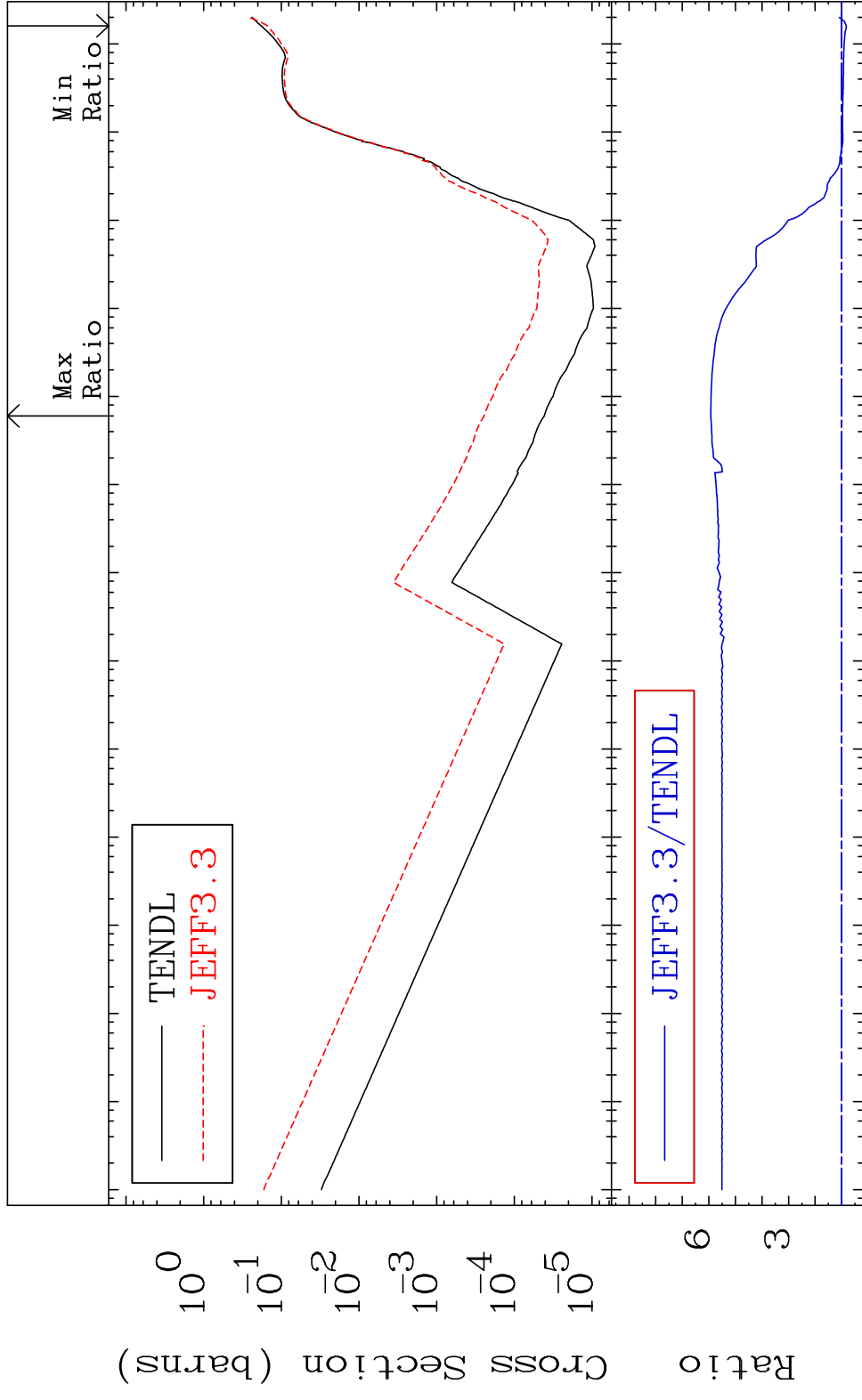
41-Nb-92

MAT 4122

He-4 Production

41-Nb-92

Cross Section -17.35 To 492.9 %

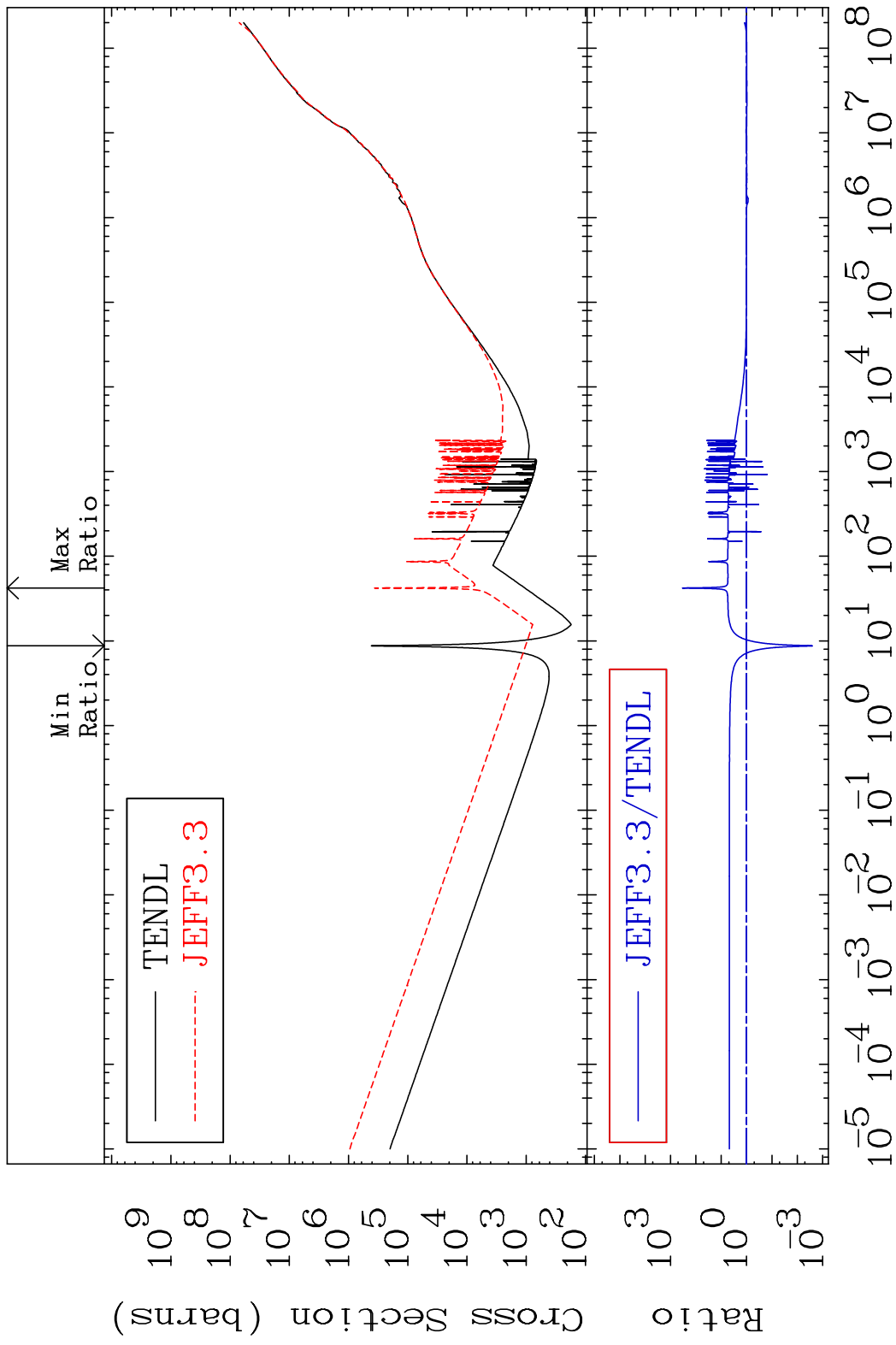


49

Incident Energy (eV)

41-Nb-92

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



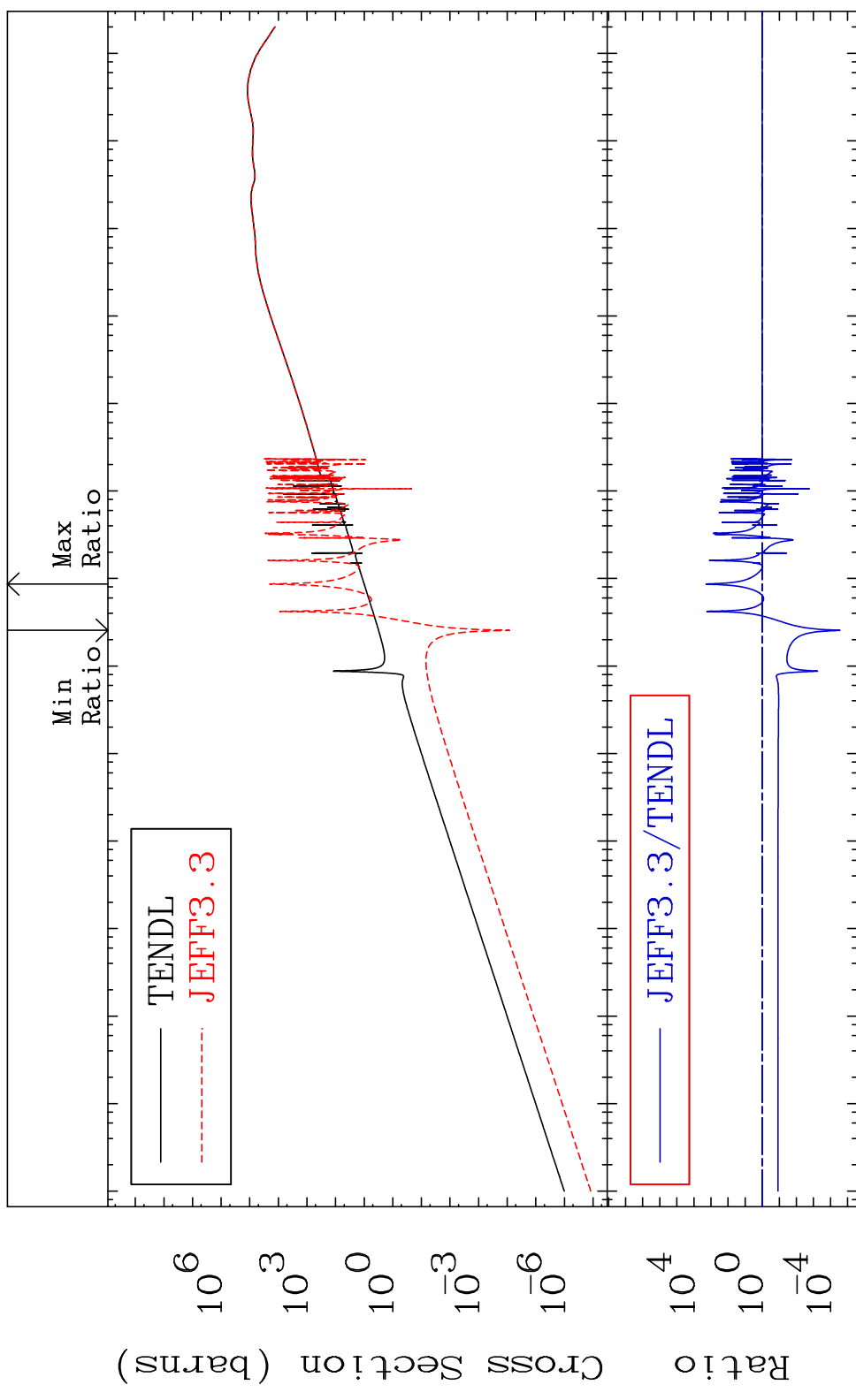
50 41-Nb-92

MAT 4122

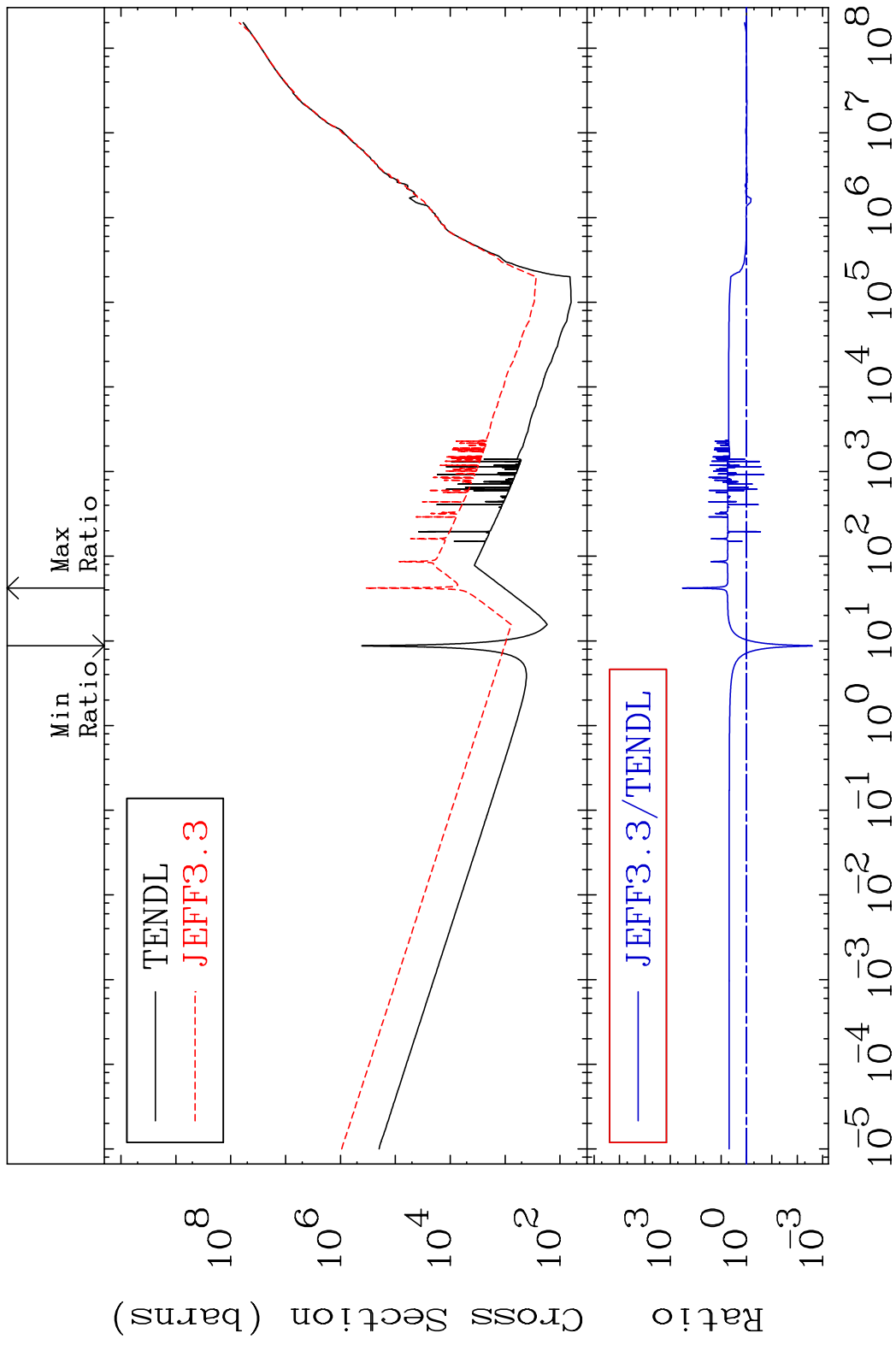
Kerma elastic

41-Nb-92

Cross Section -100.0 To 9999. %

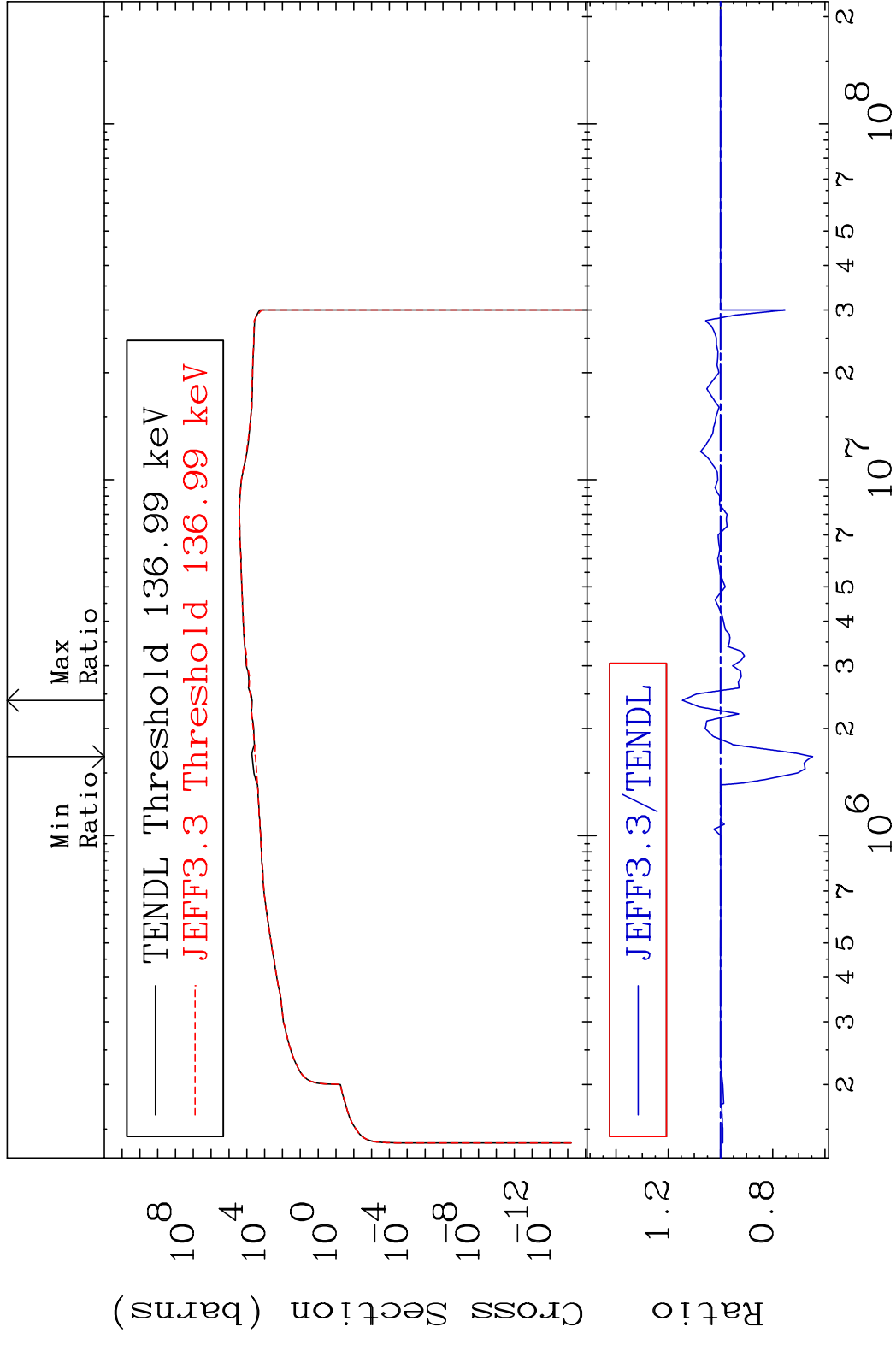


MAT 4122 Kerma non-elastic (all but mt2) 41-Nb-92
 Cross Section -99.75 To 9999. %

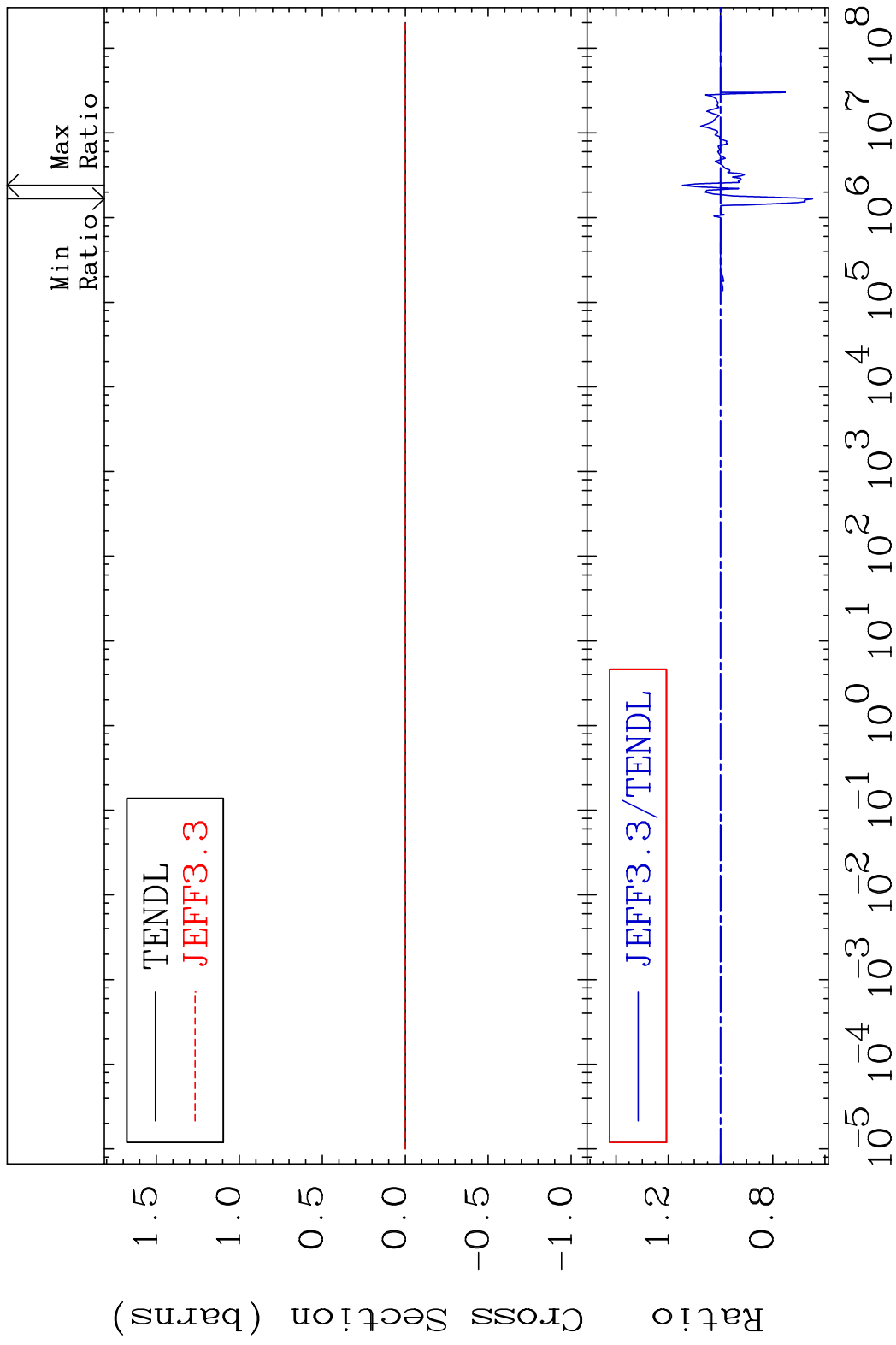


52 Incident Energy (eV) 41-Nb-92

MAT 4122 Kerma inelastic (mt51-91) 41-Nb-92
 Cross Section -35.30 To 14.59 %

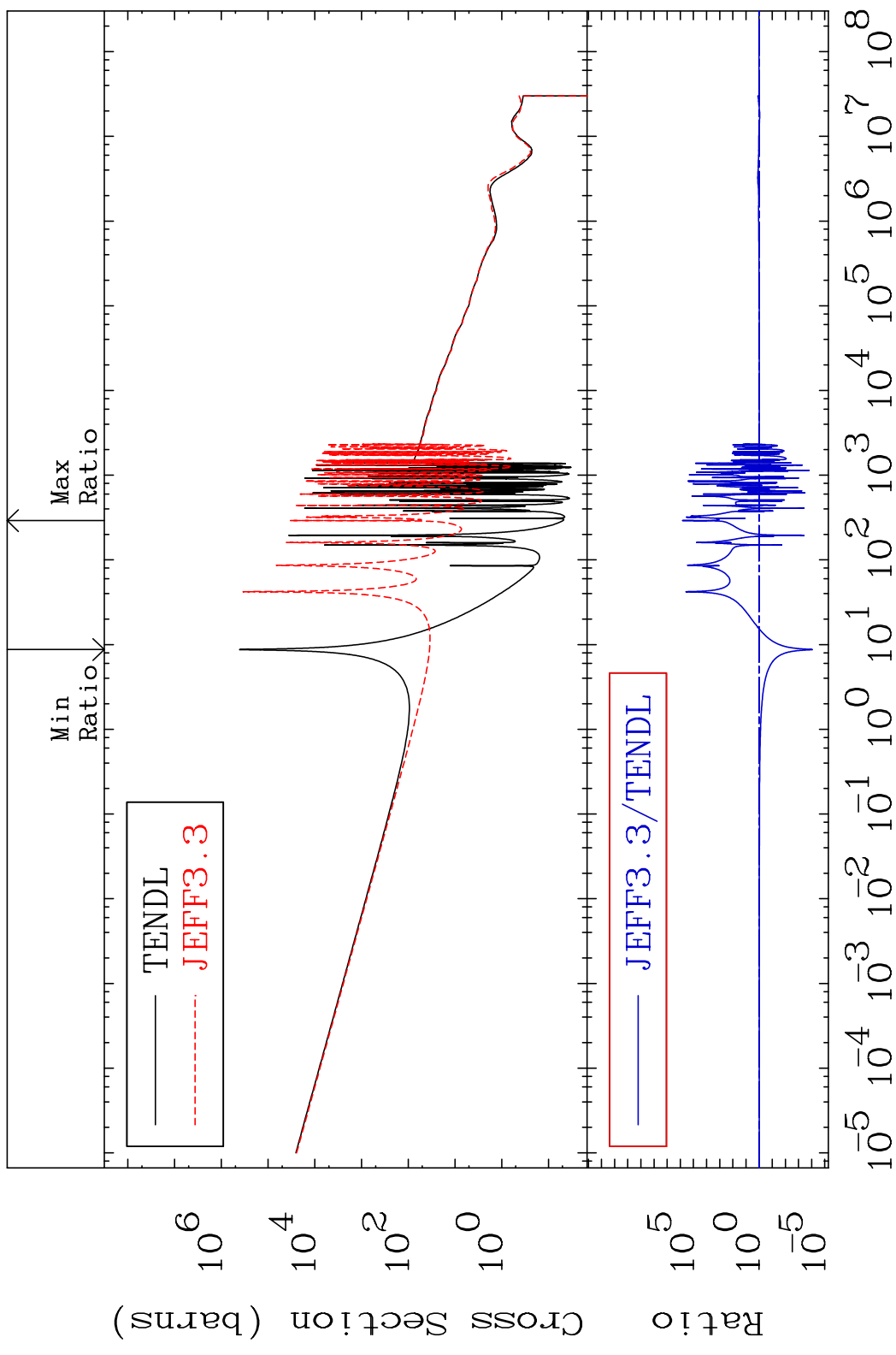


MAT 4122 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-92
 Cross Section -35.30 To 14.59 %



MAT 4122

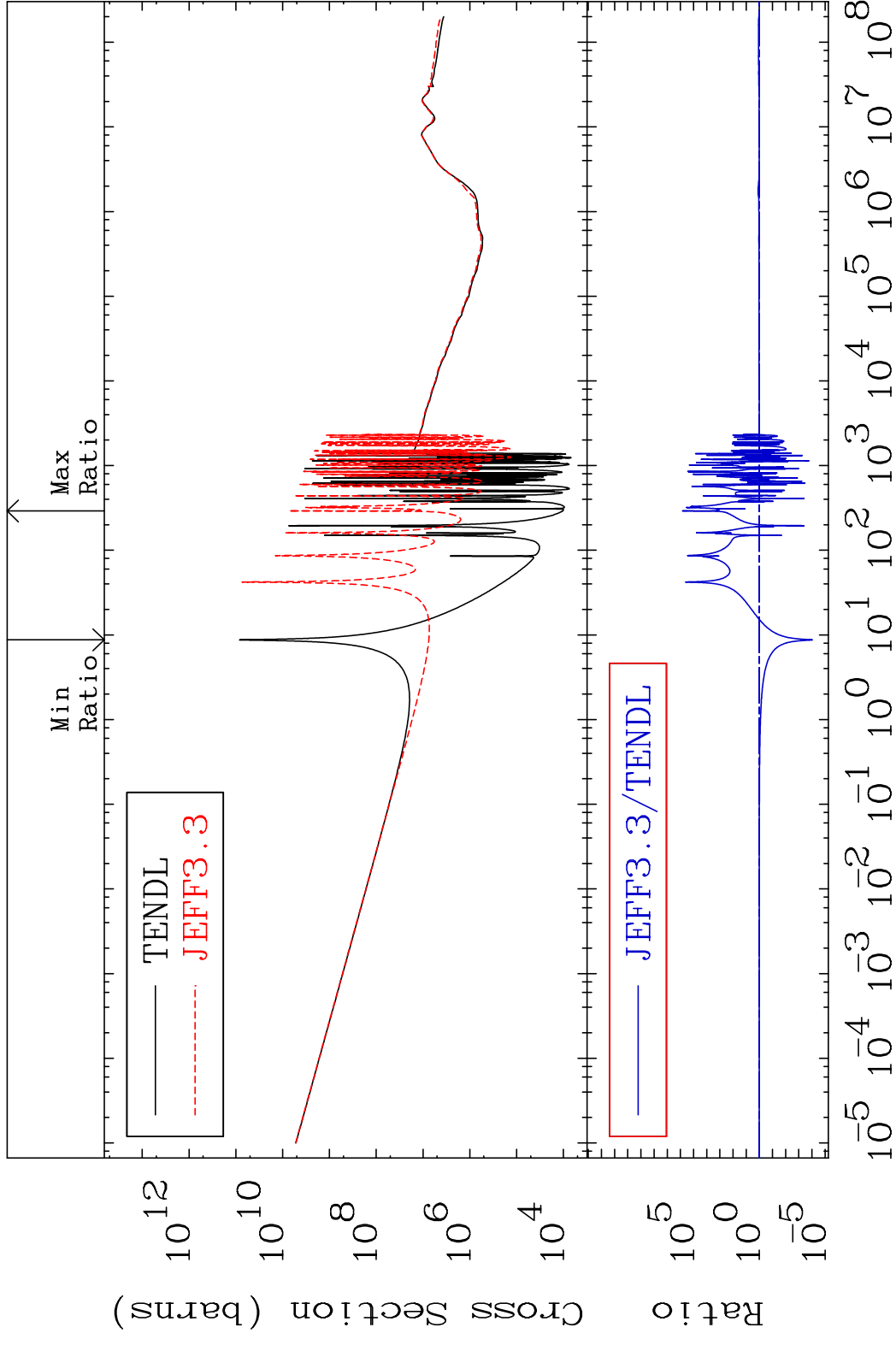
Kerma capture (mt102) 41-Nb-92
Cross Section -99.99 To 9999. %



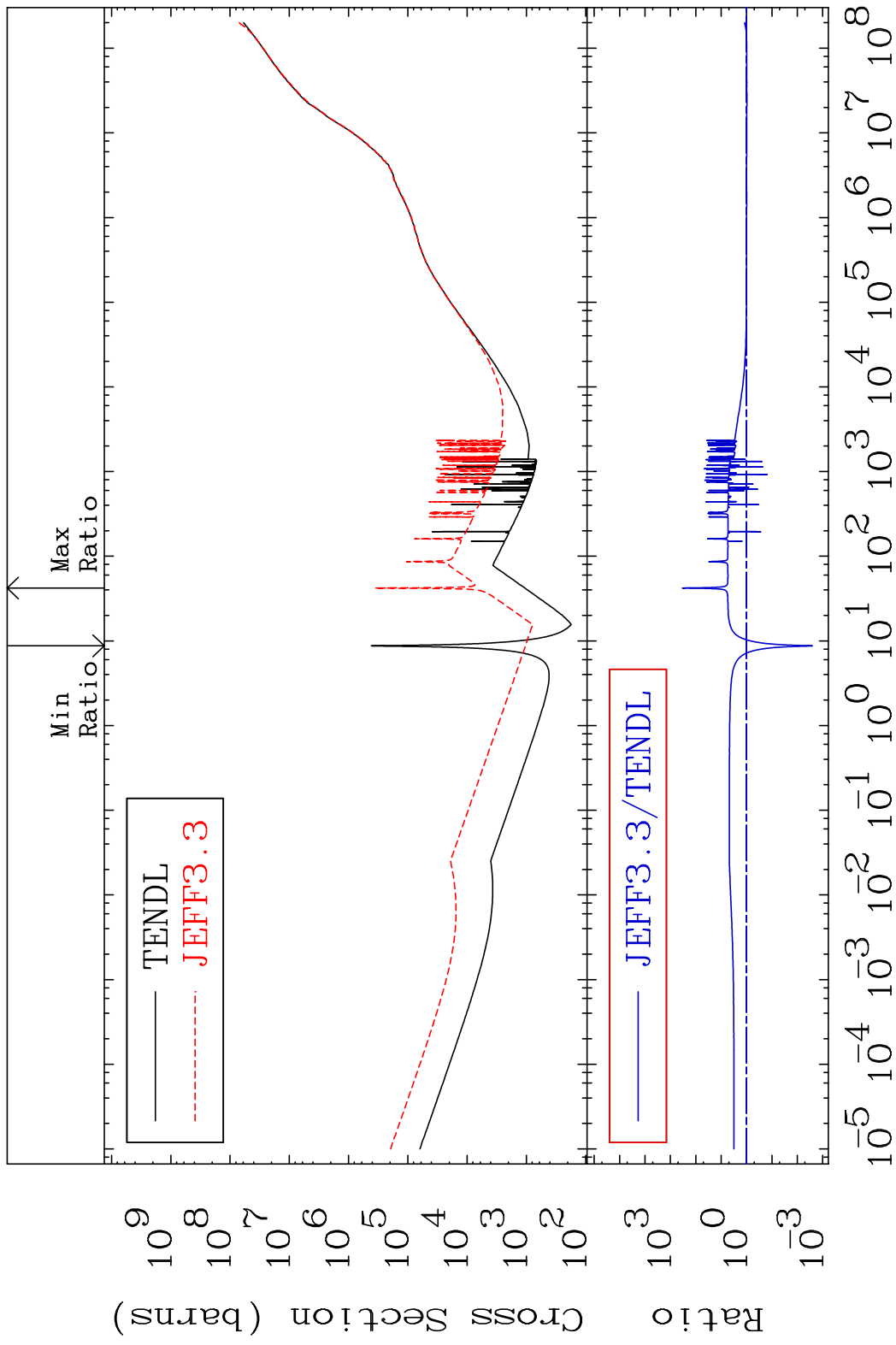
55

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. %

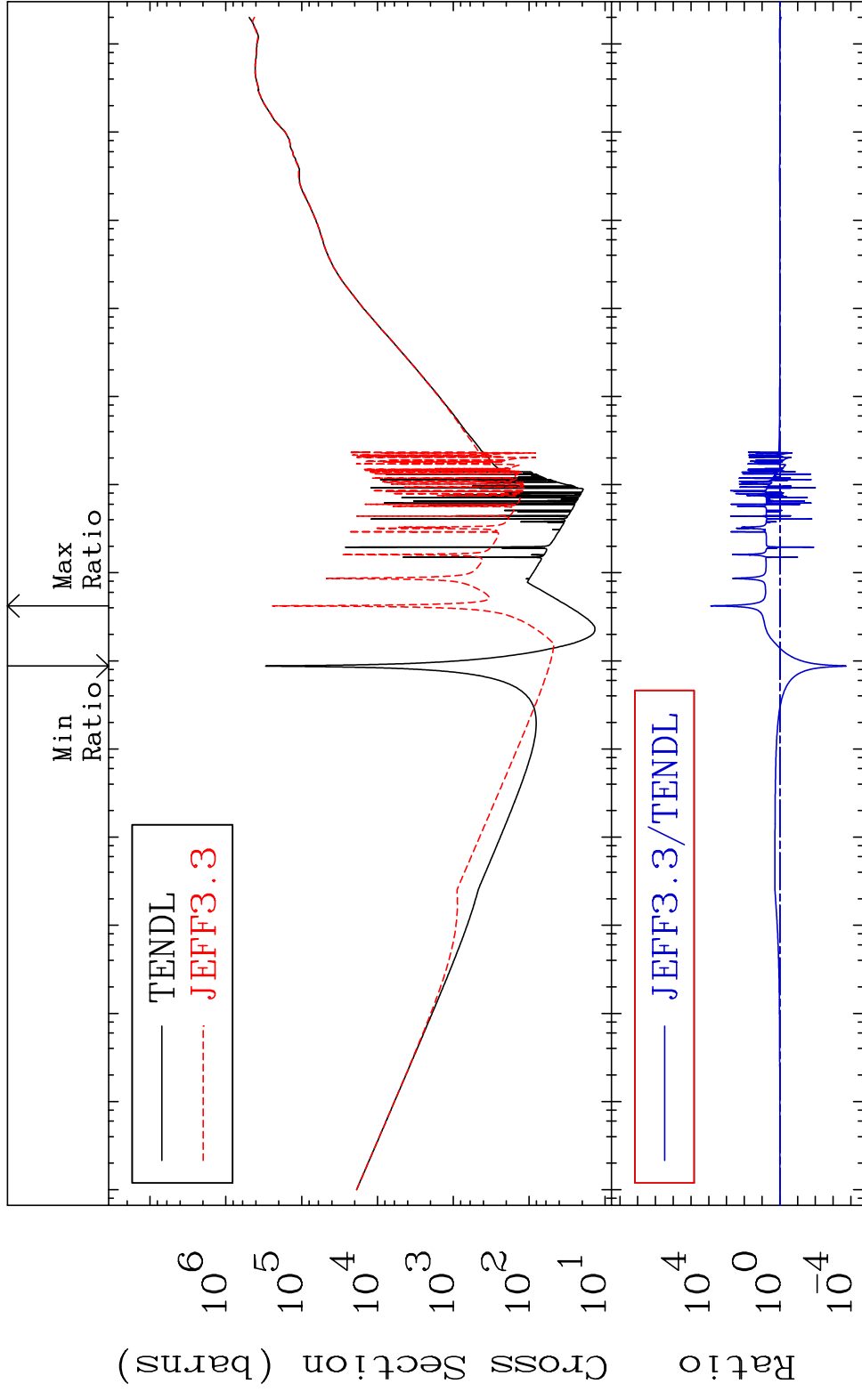


MAT 4122

Dpa total (eV-barns)

41-Nb-92

Cross Section -99.98 To 9999. %

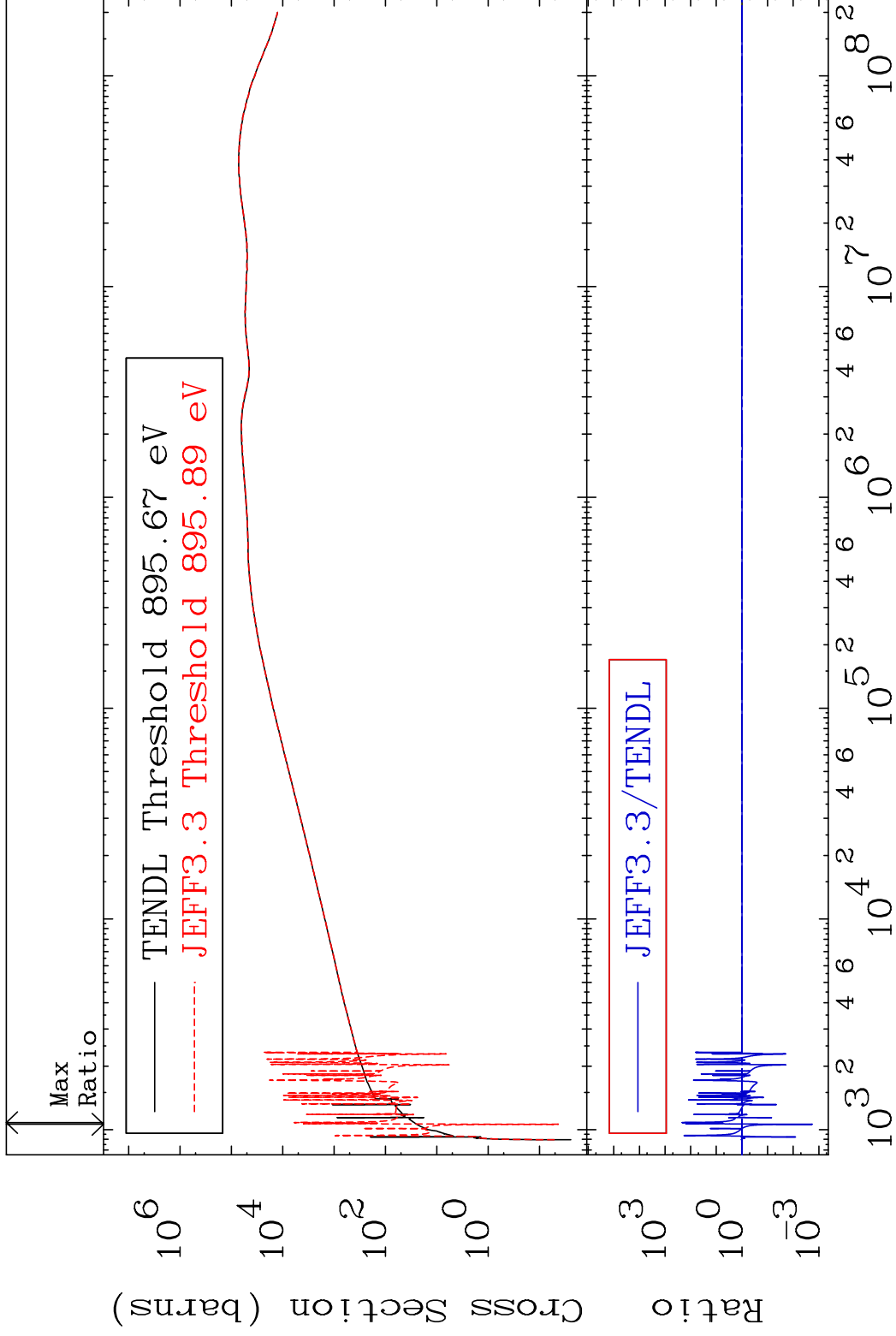


MAT 4122

Dpa elastic (mt2)

41-Nb-92

Cross Section -99.82 To 9999. %



59

Incident Energy (eV)

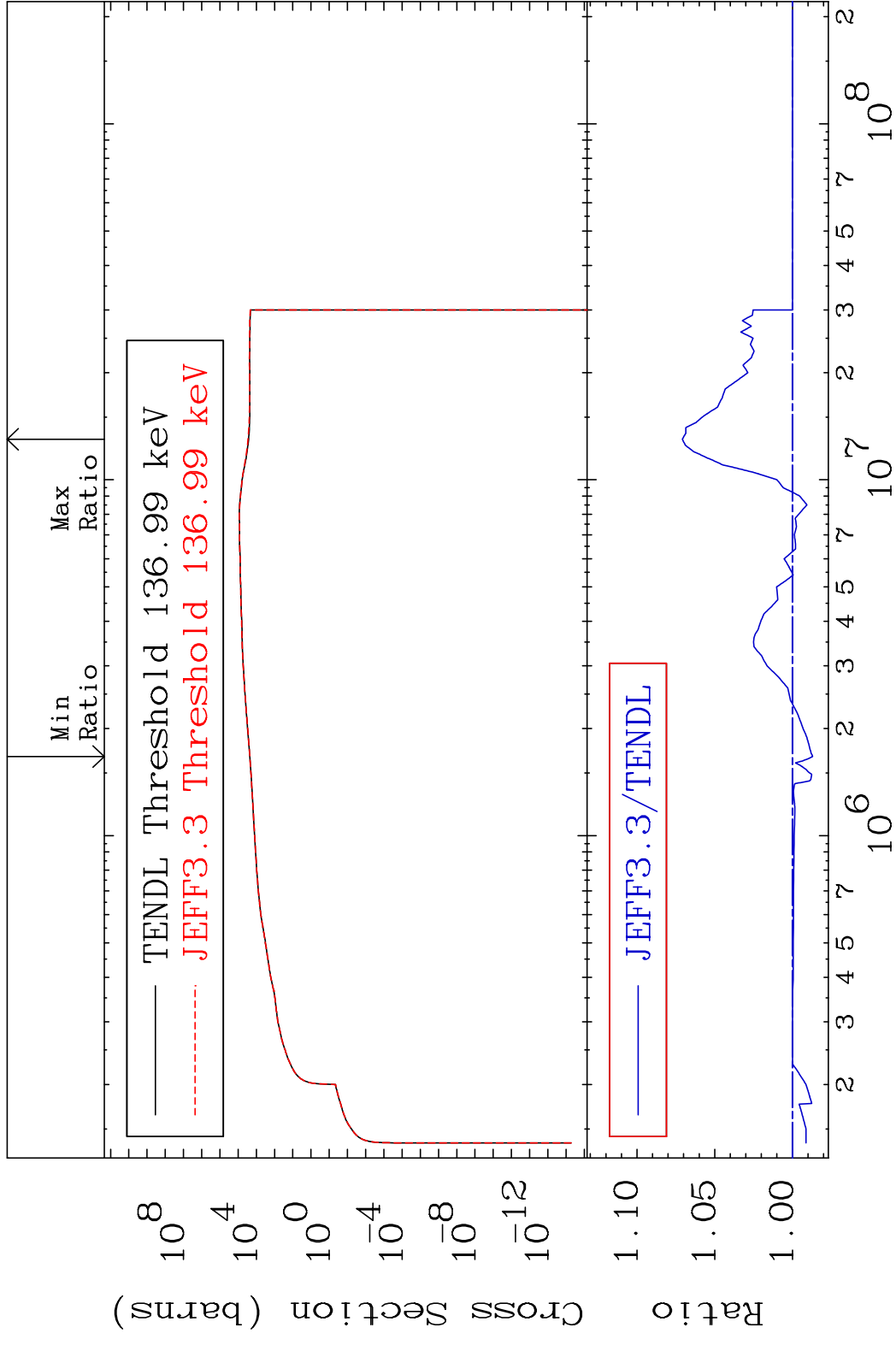
41-Nb-92

MAT 4122

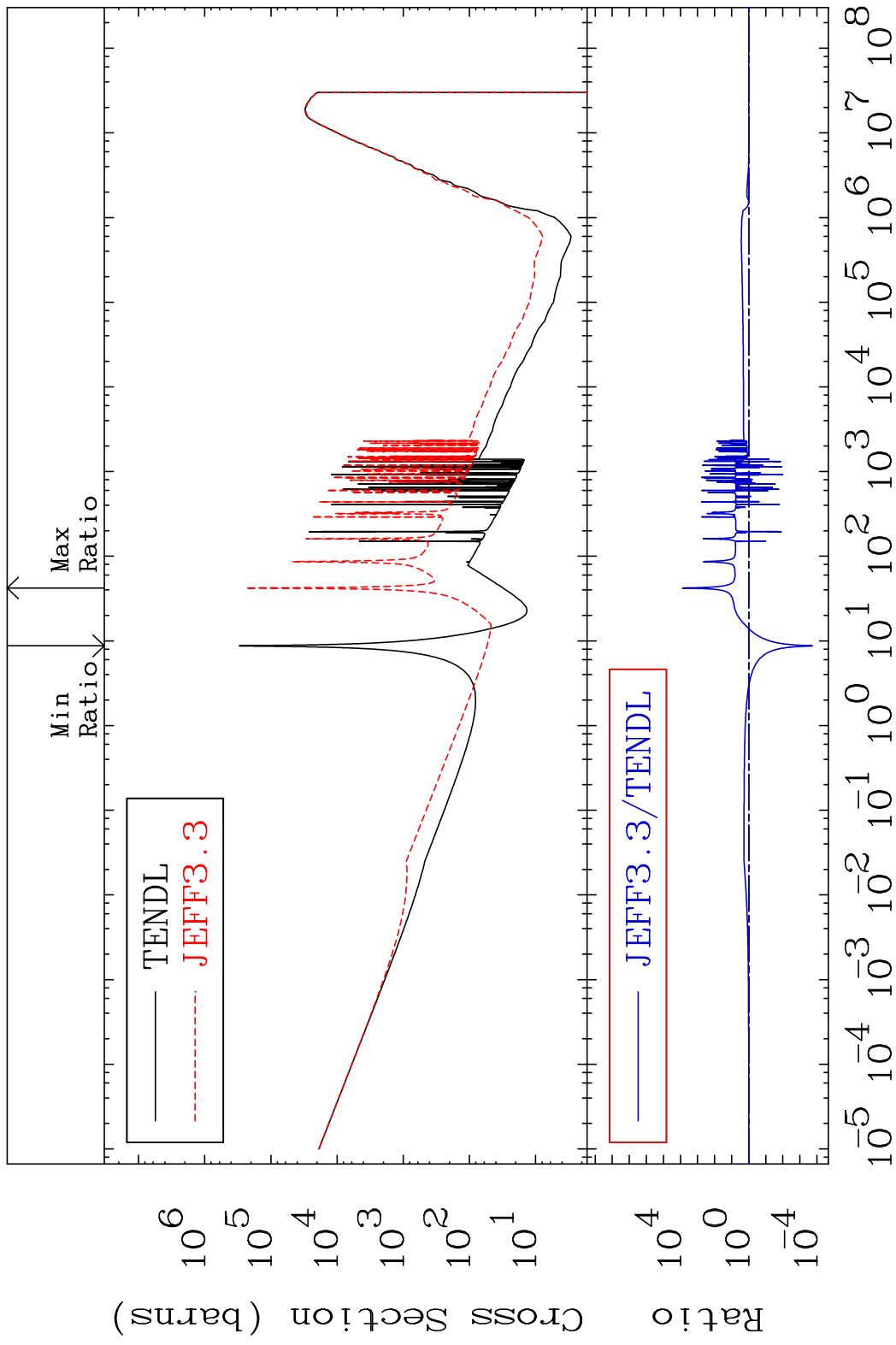
Dpa inelastic (mt51-91)

41-Nb-92

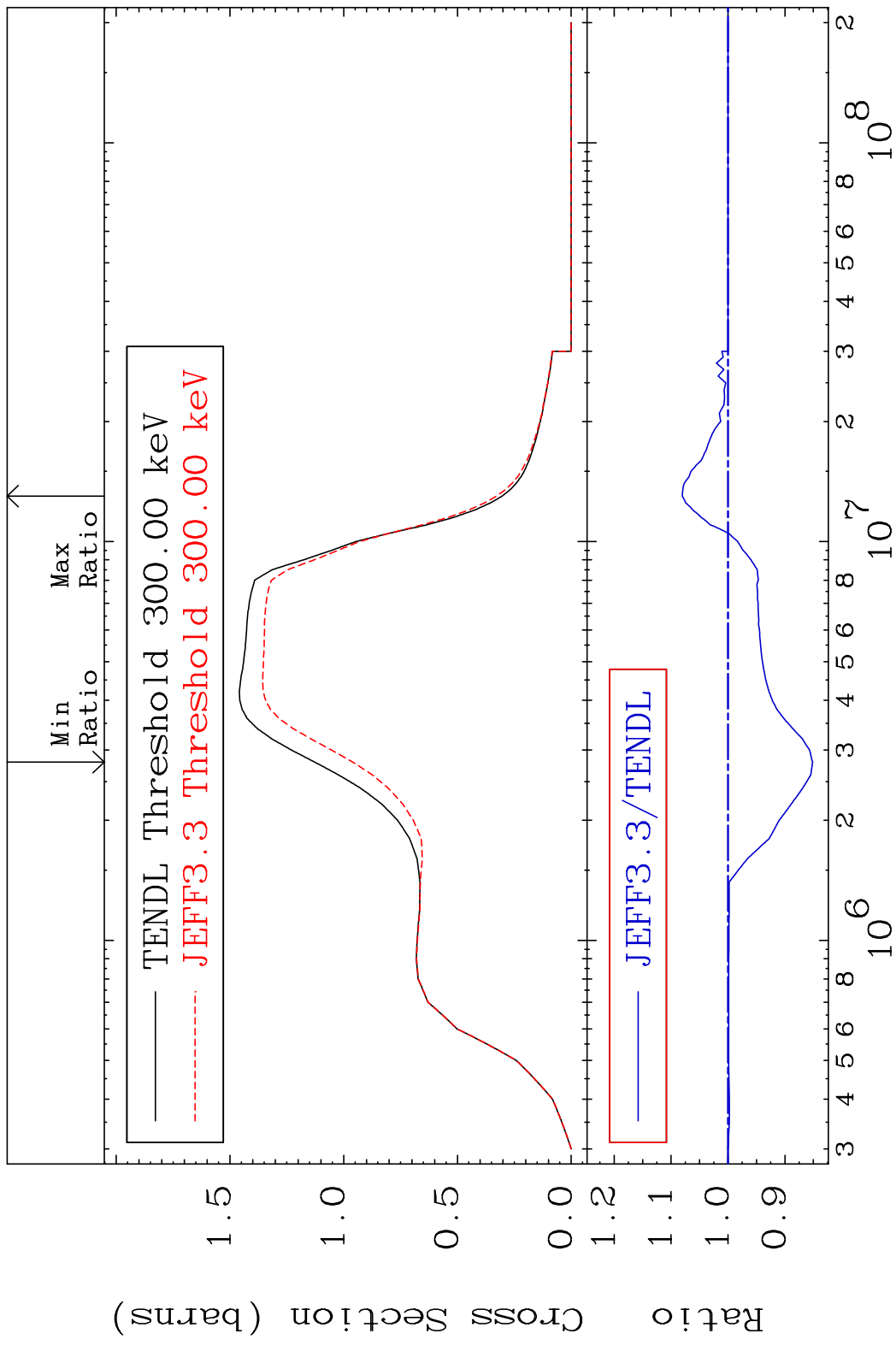
Cross Section -1.293 To 7.082 %

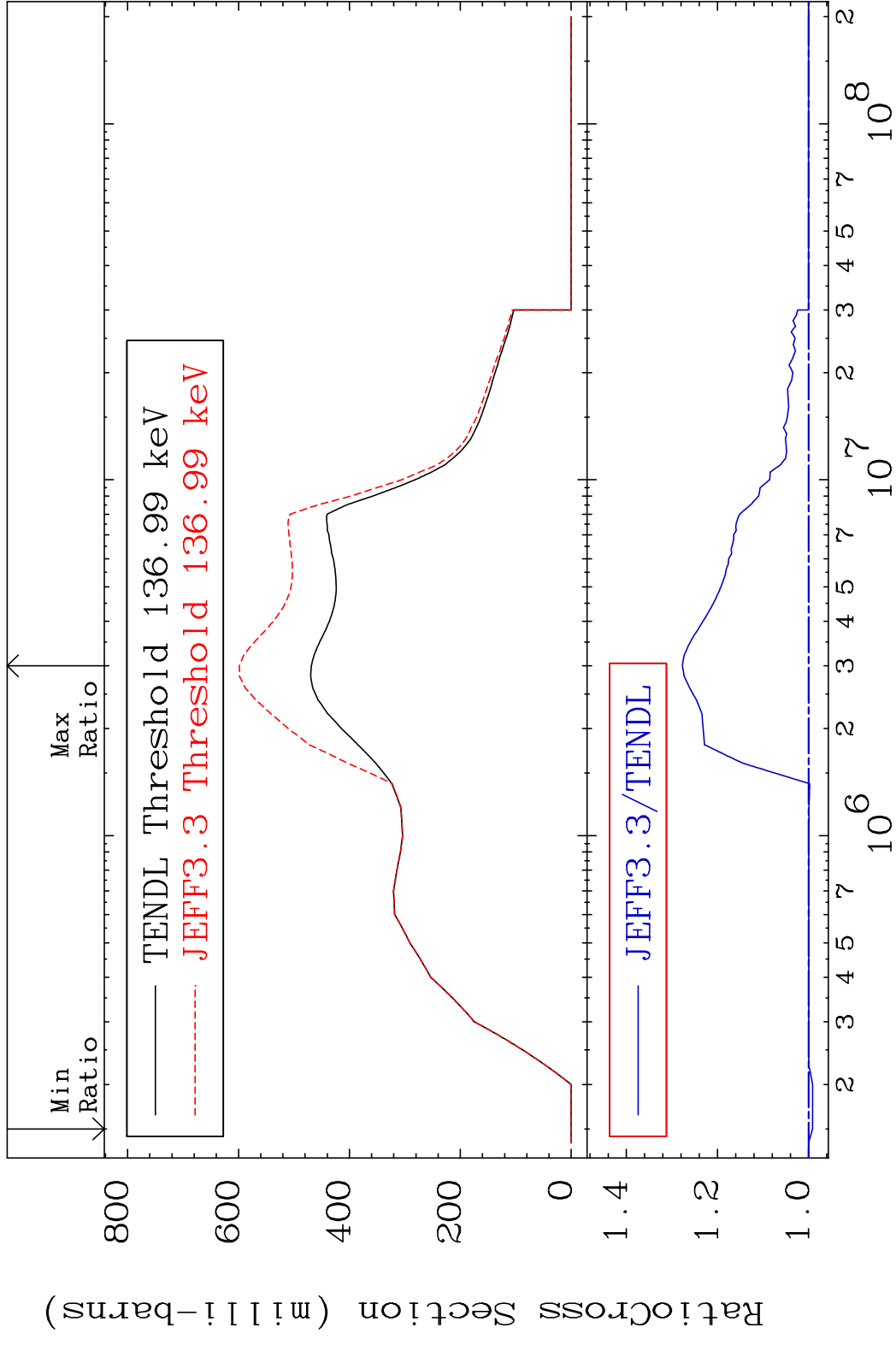


MAT 4122 Dpa disappearance (mt102 -120) 41-Nb-92
 Cross Section -99.98 To 9999. %

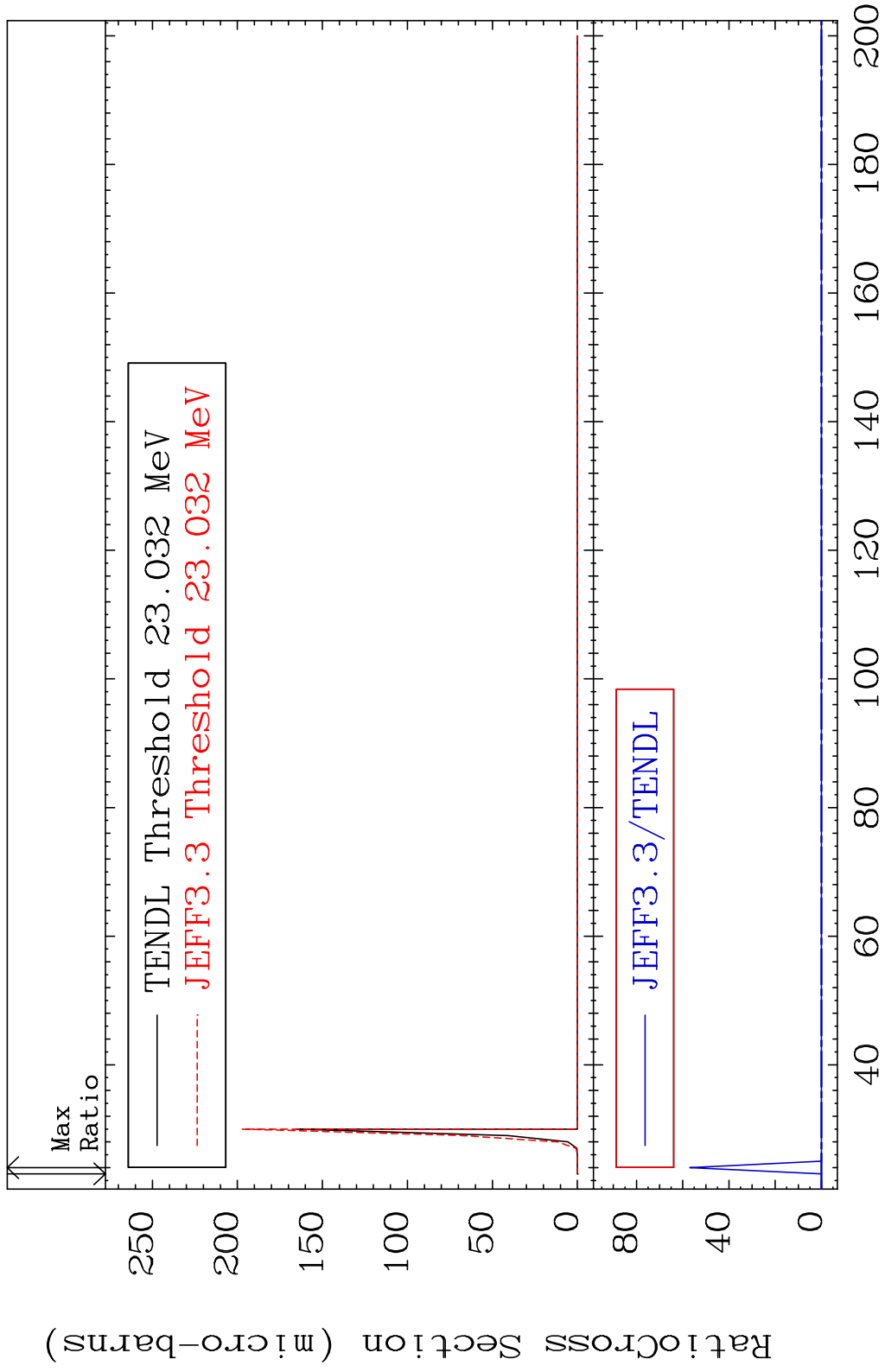


61 Incident Energy (eV) 41-Nb-92

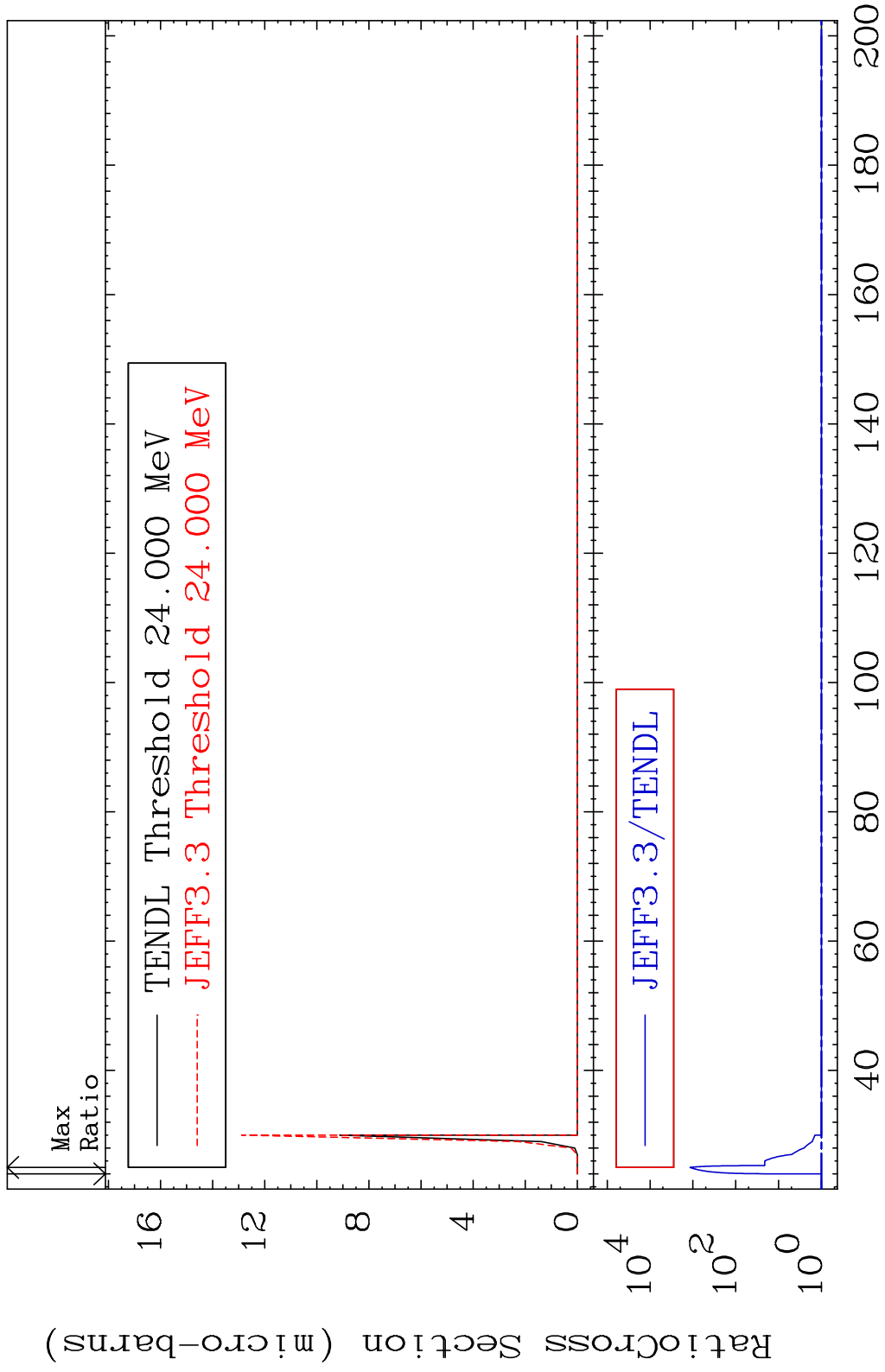




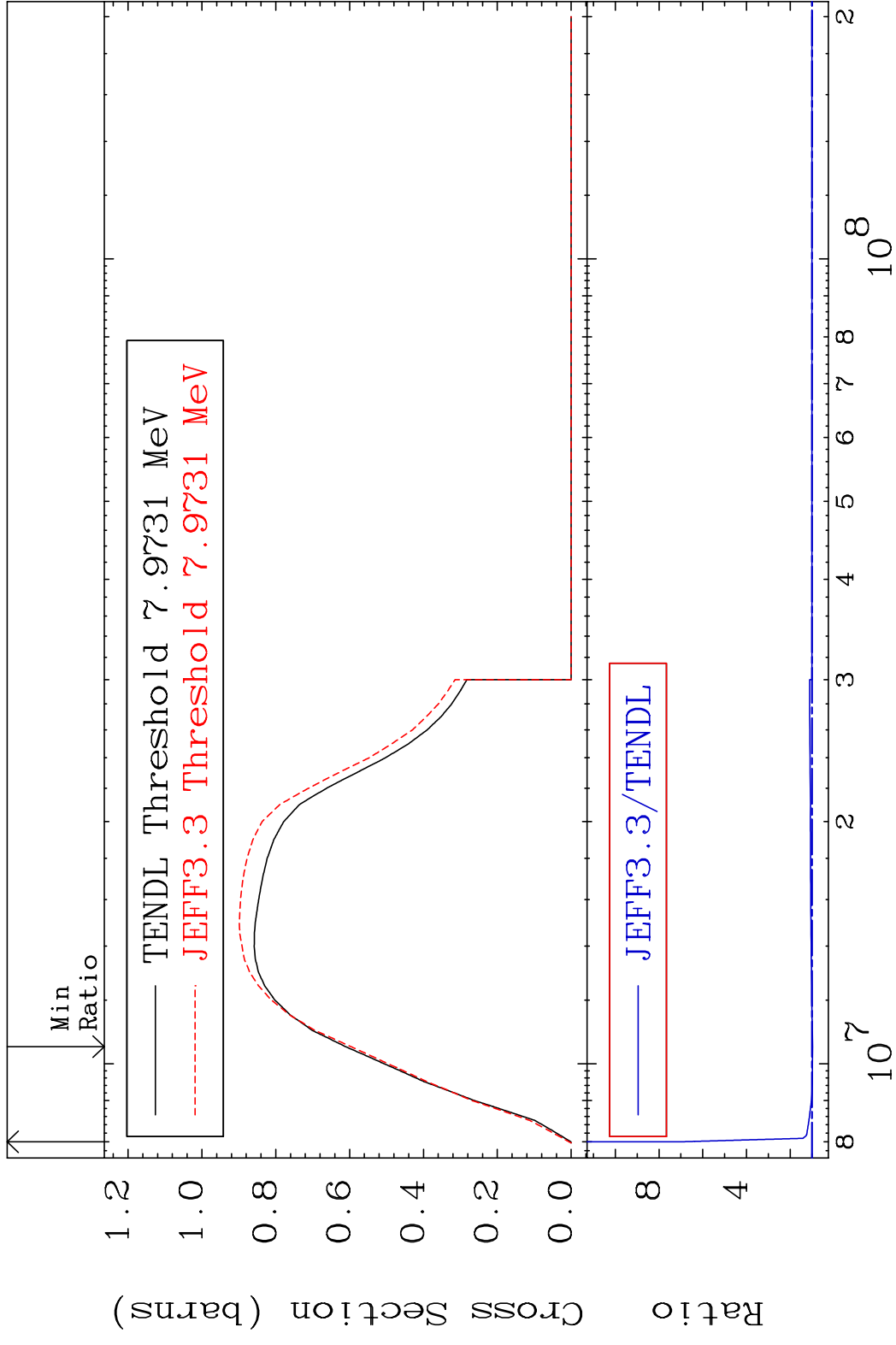
MAT 4122 (n,2n) d:40-Zr-89g 41-Nb-92
 Radionuclide Production Cross Section Ratio 9999. %

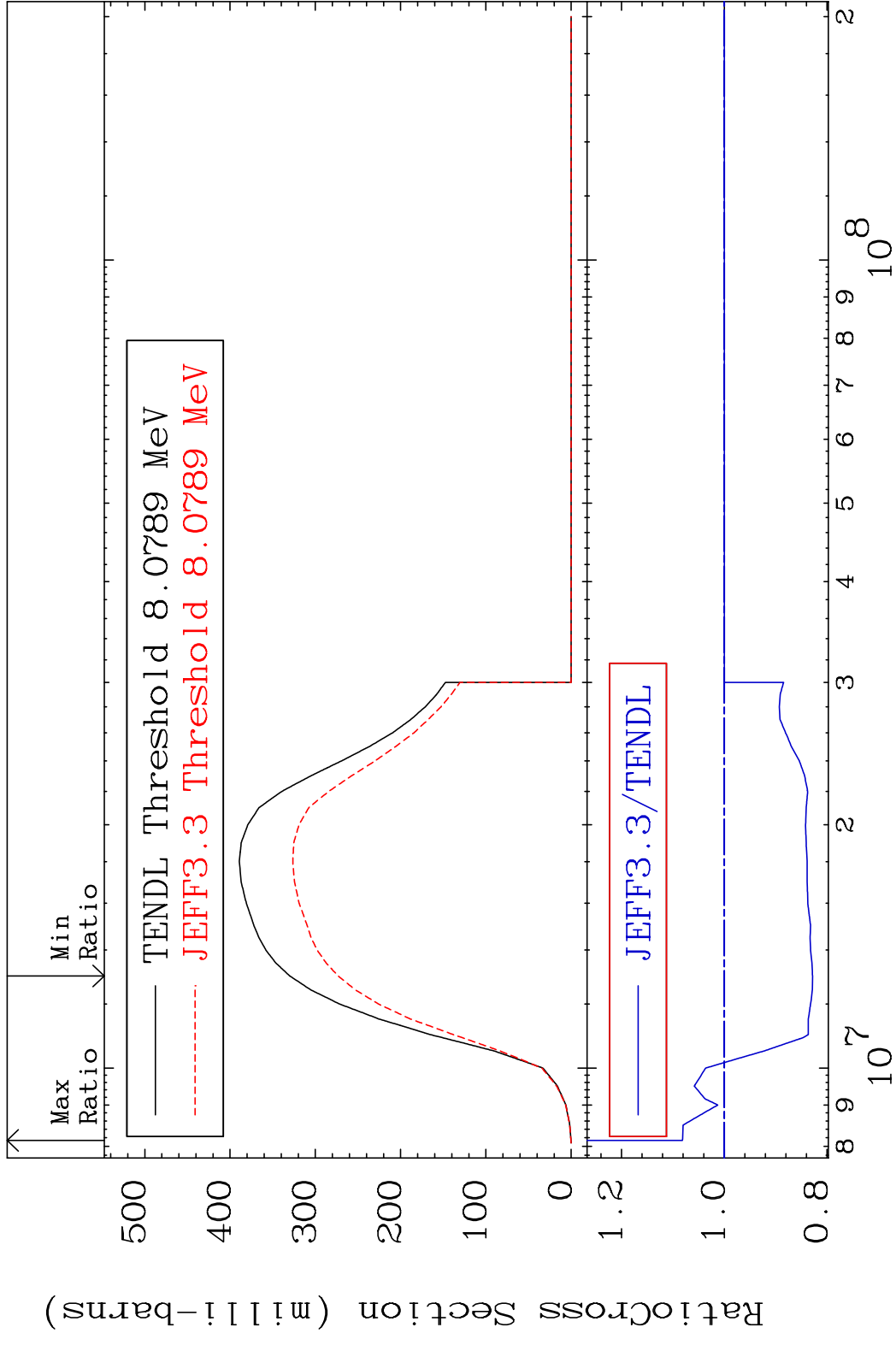


MAT 4122 (n,2n) d:40-Zr-89m1 41-Nb-92
 Radionuclide Production Cross Section 9999. %

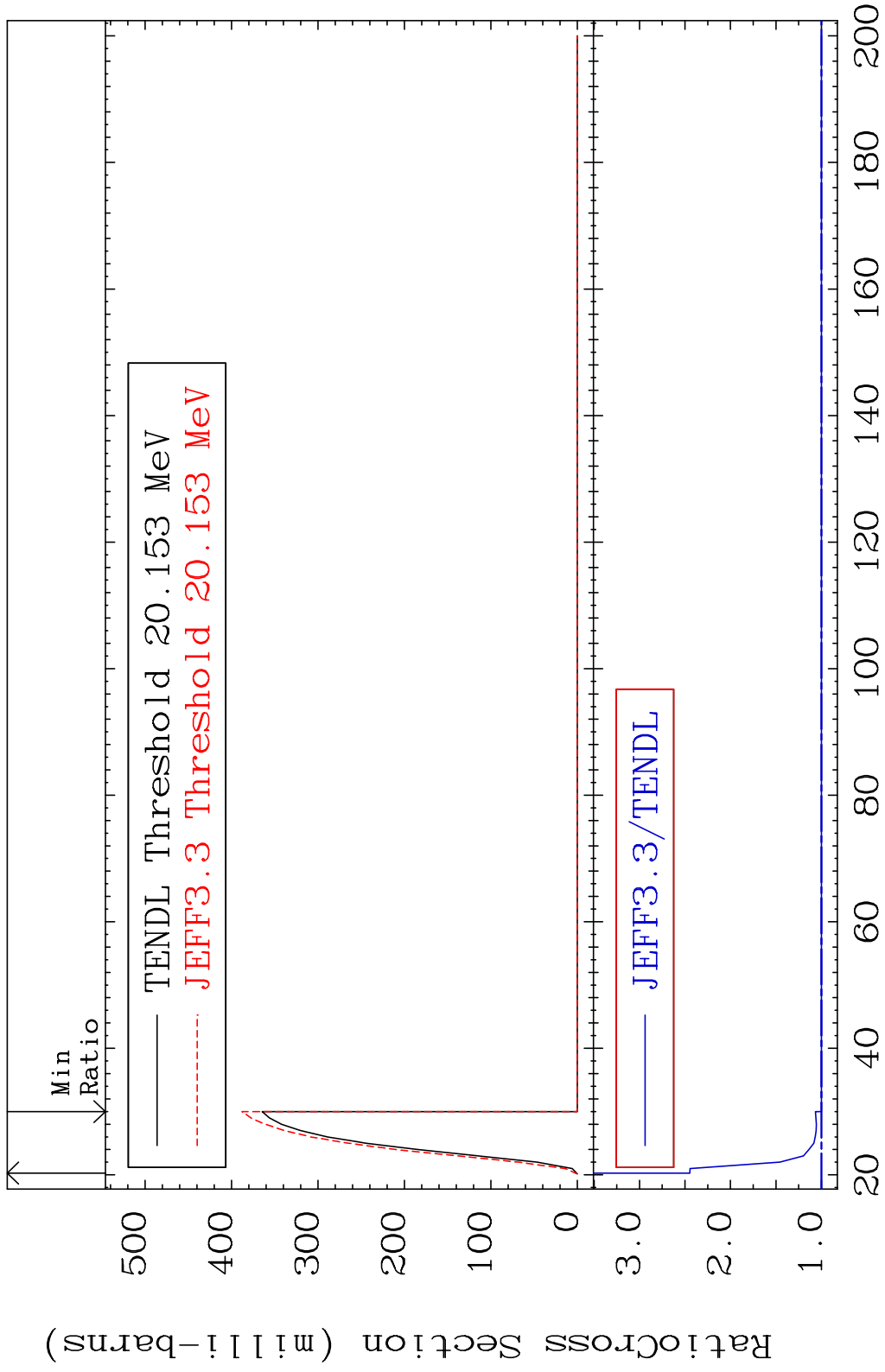


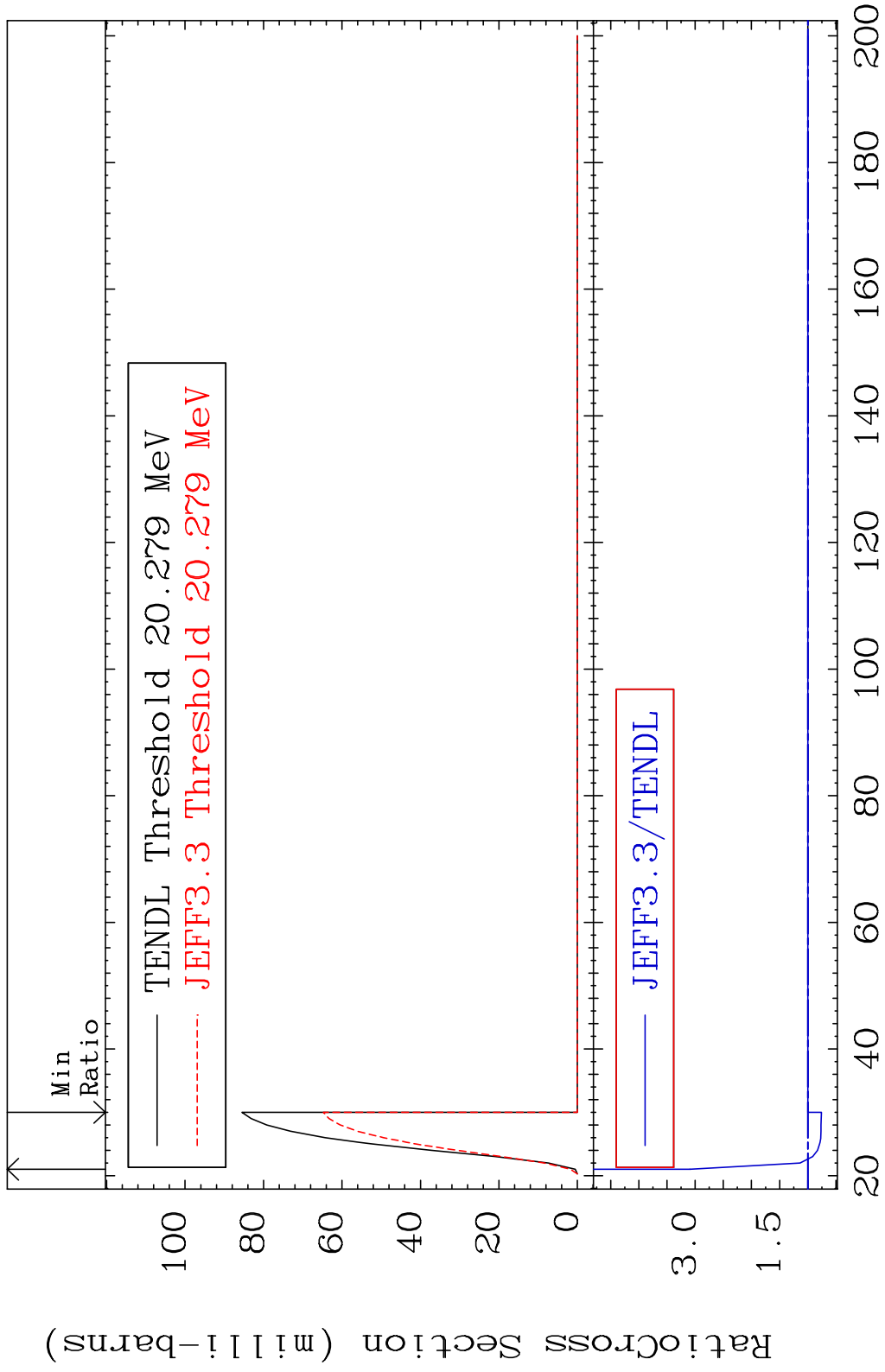
MAT 4122 (n,2n):41-Nb-91g 41-Nb-92
 Radionuclide Production Cross Section 593.3 %



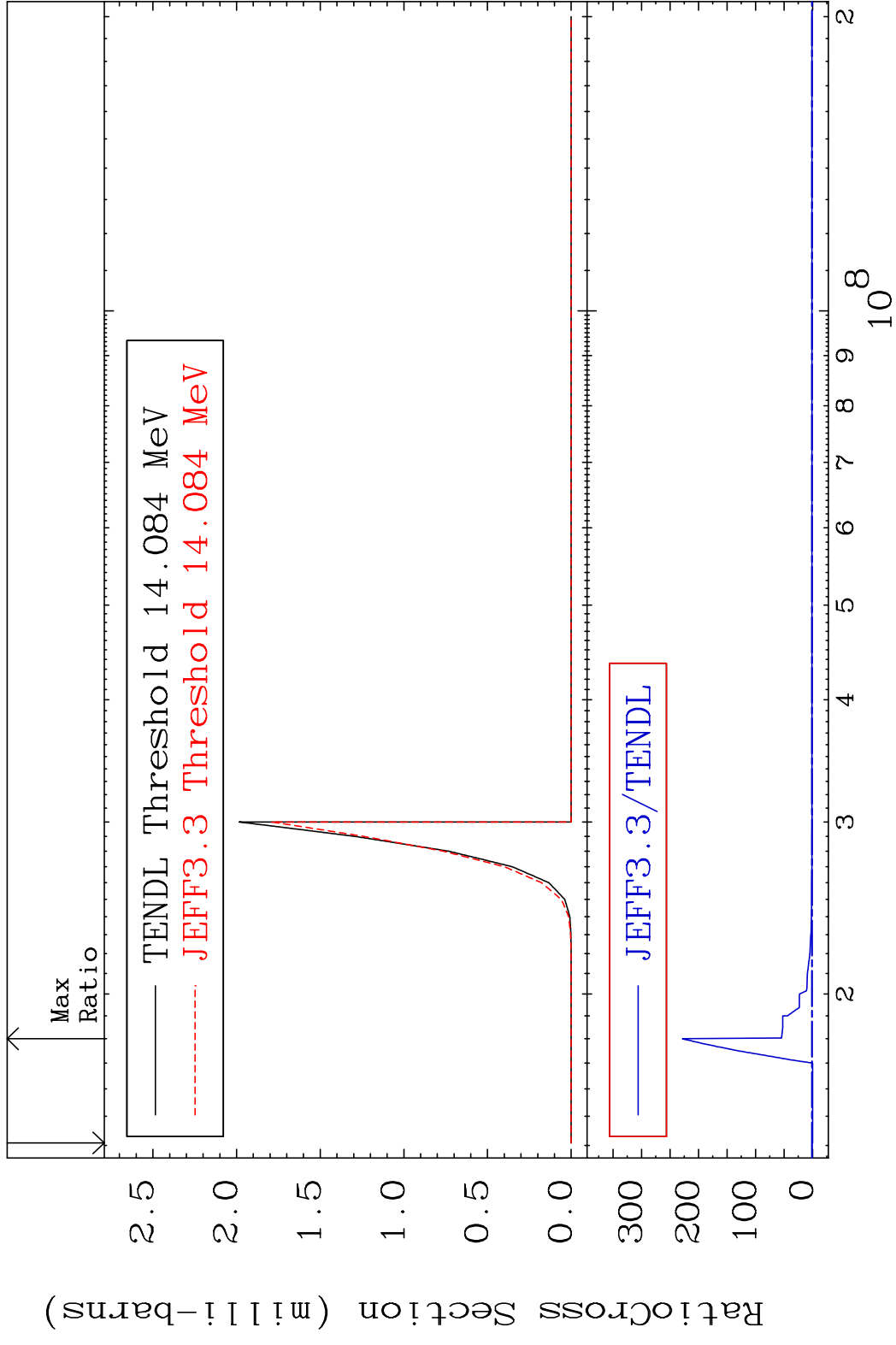


MAT 4122 (n,3n):41-Nb-90g 41-Nb-92
 Radionuclide Production Cross Section 144.7 %

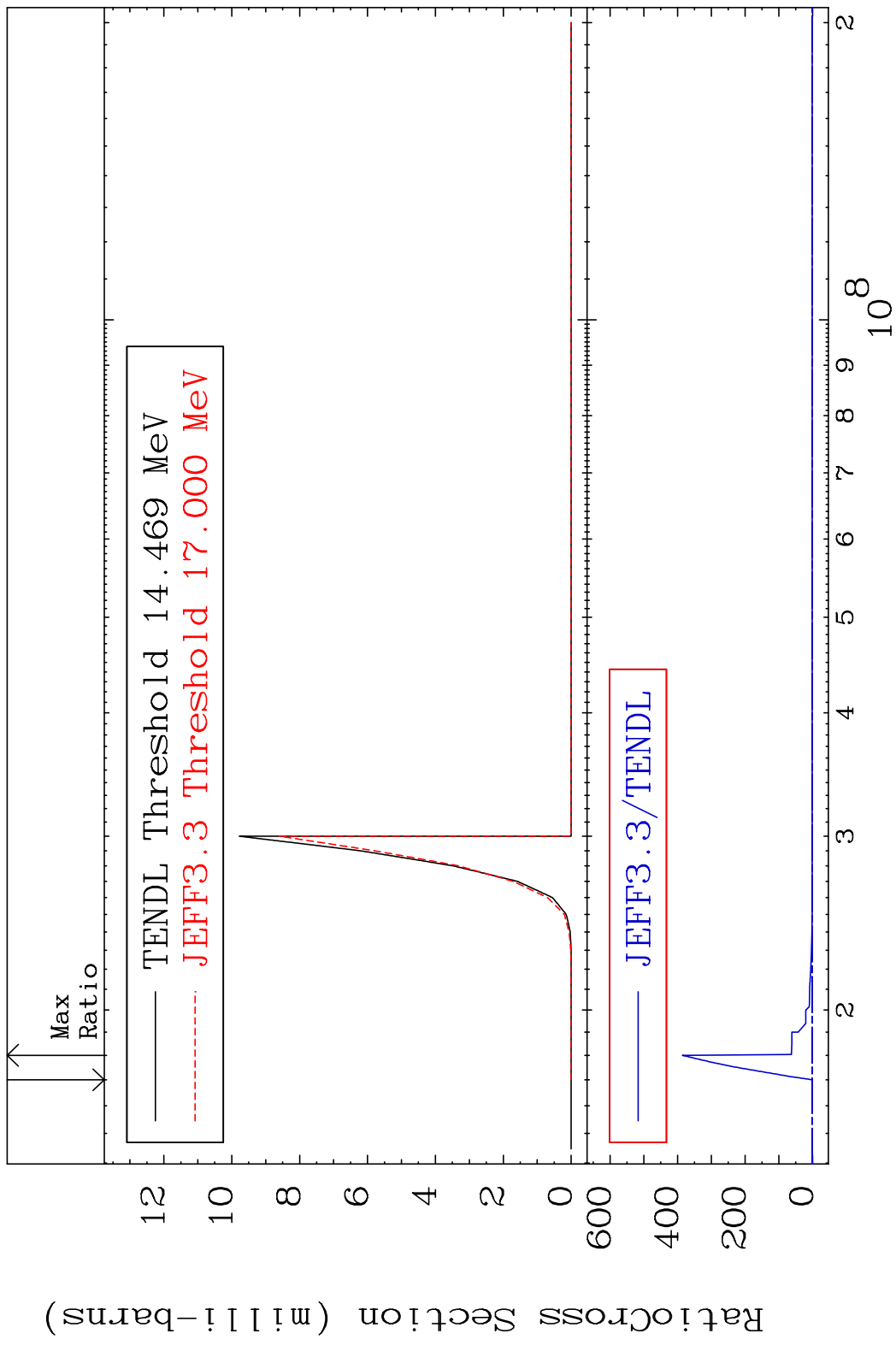


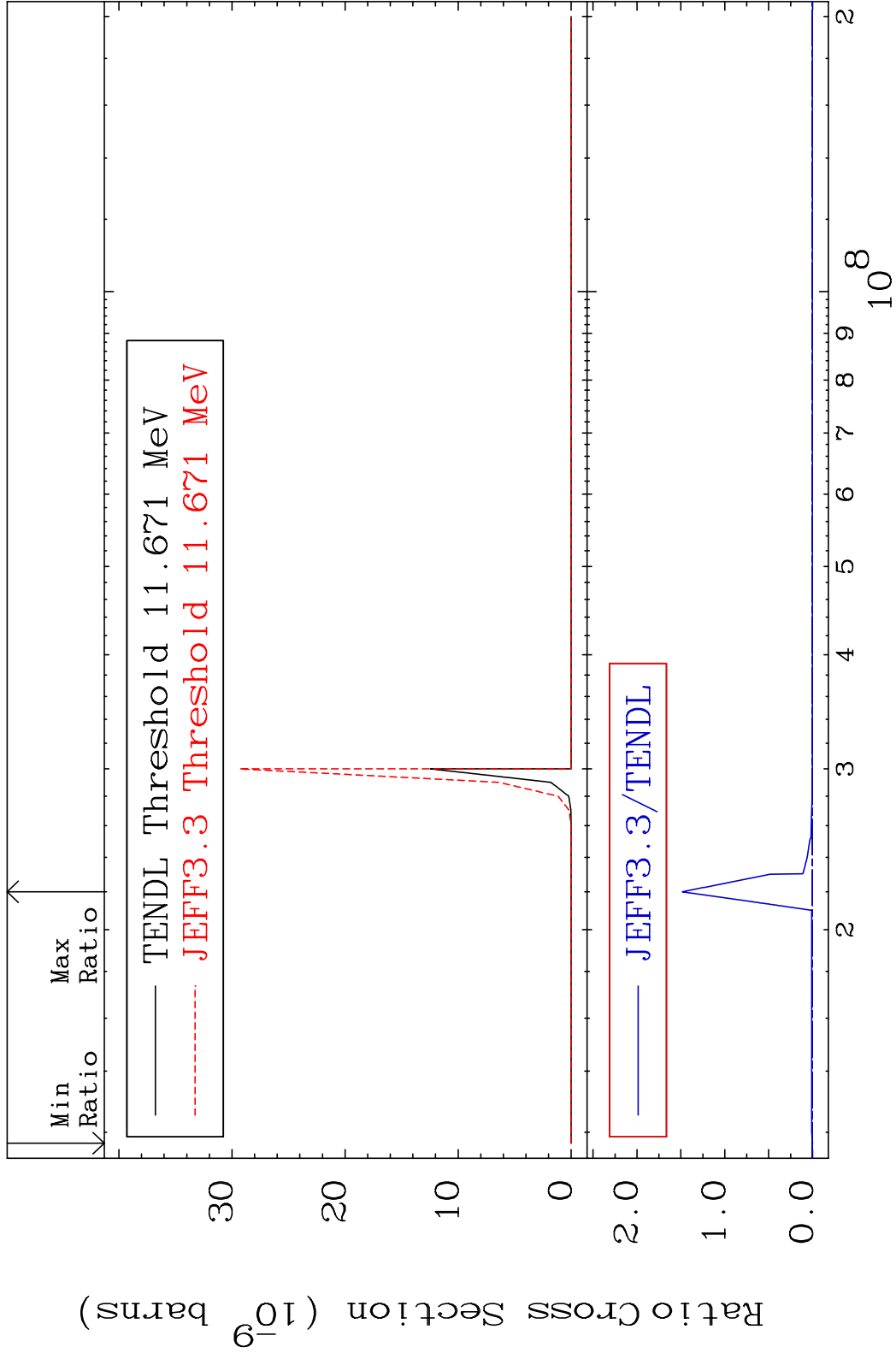


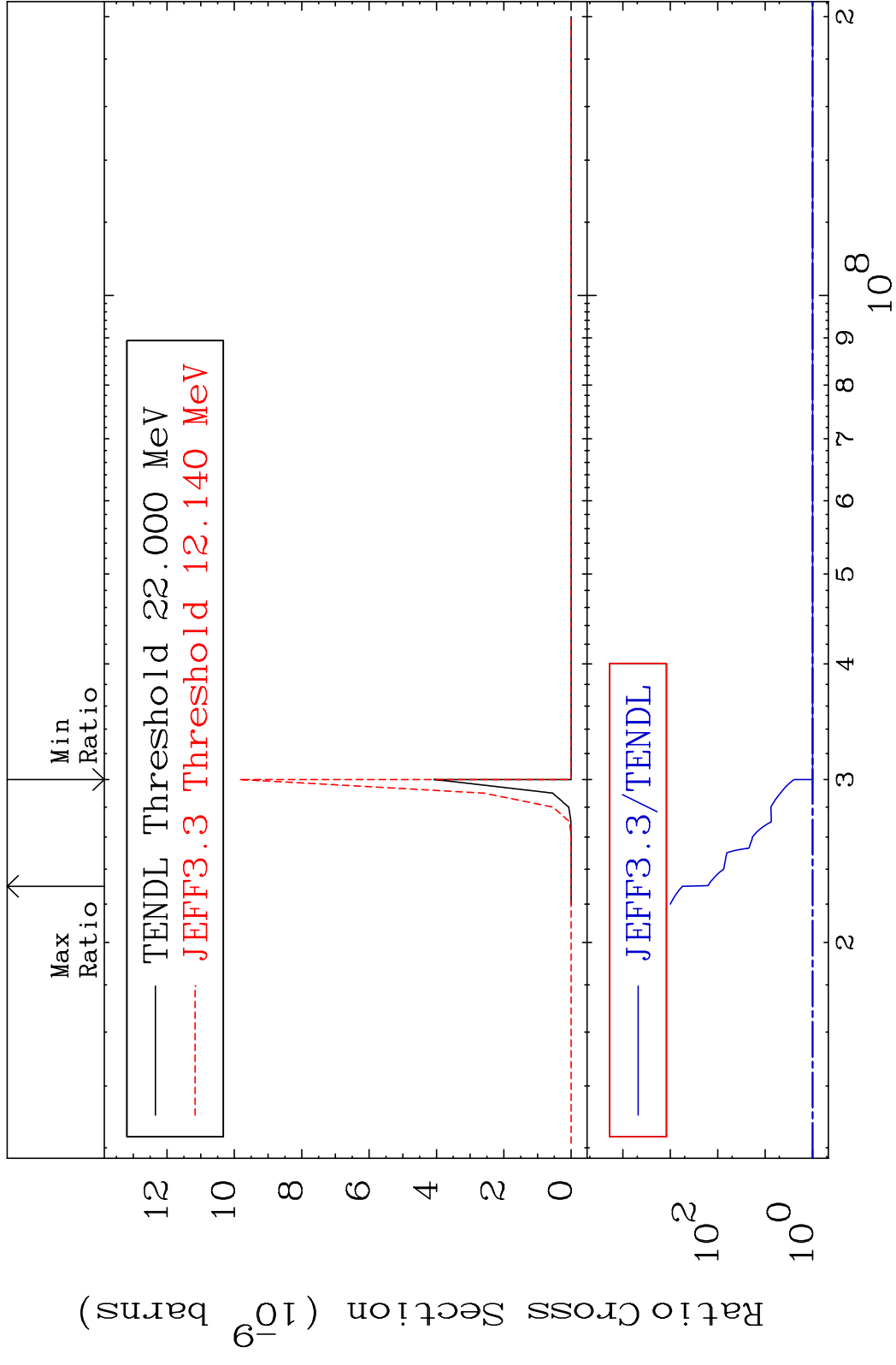
MAT 4122 (n,2n) α :39-Y -87g 41-Nb-92
 Radionuclide Production Cross Section 18000 dth 9999. %

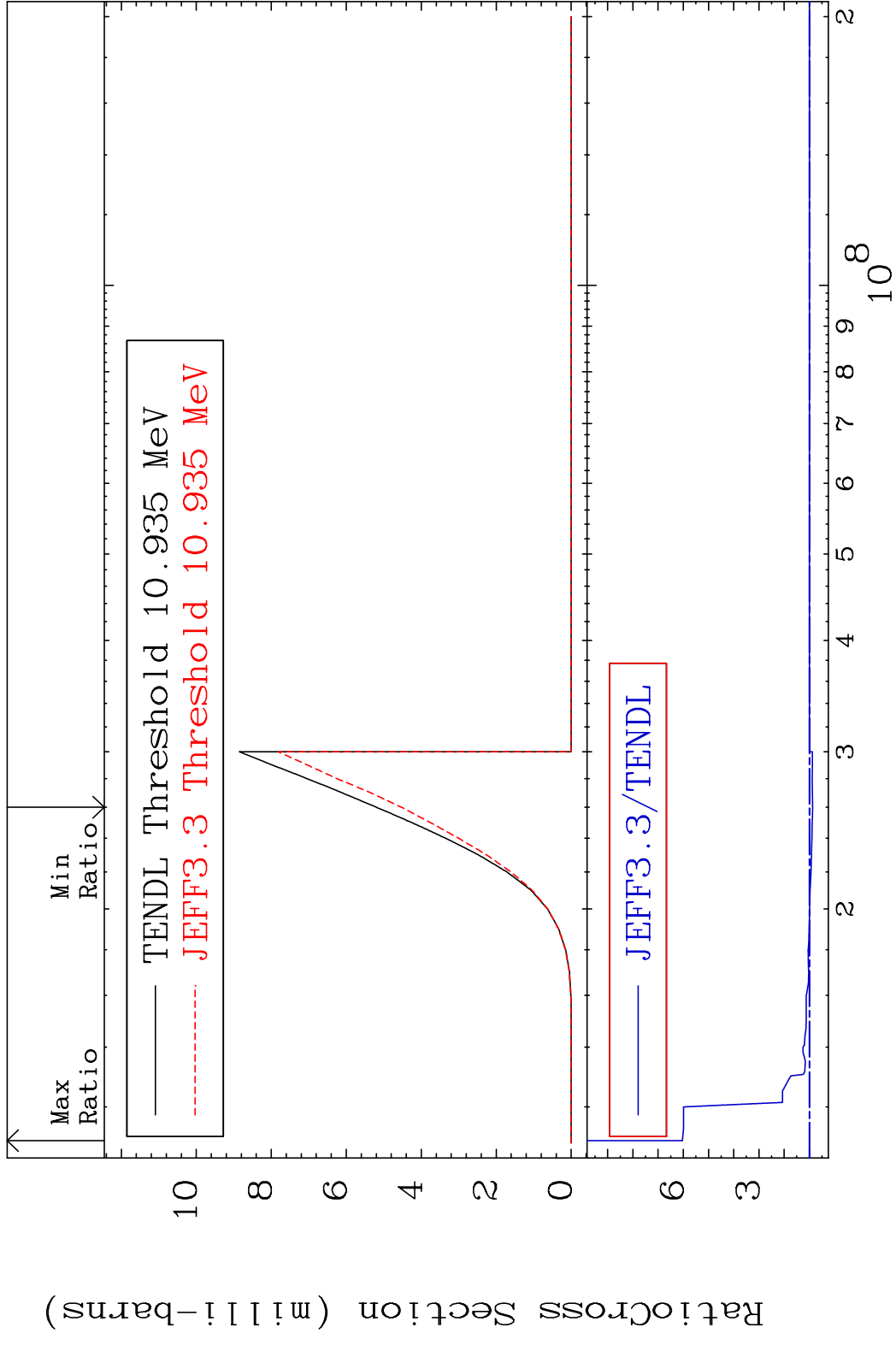


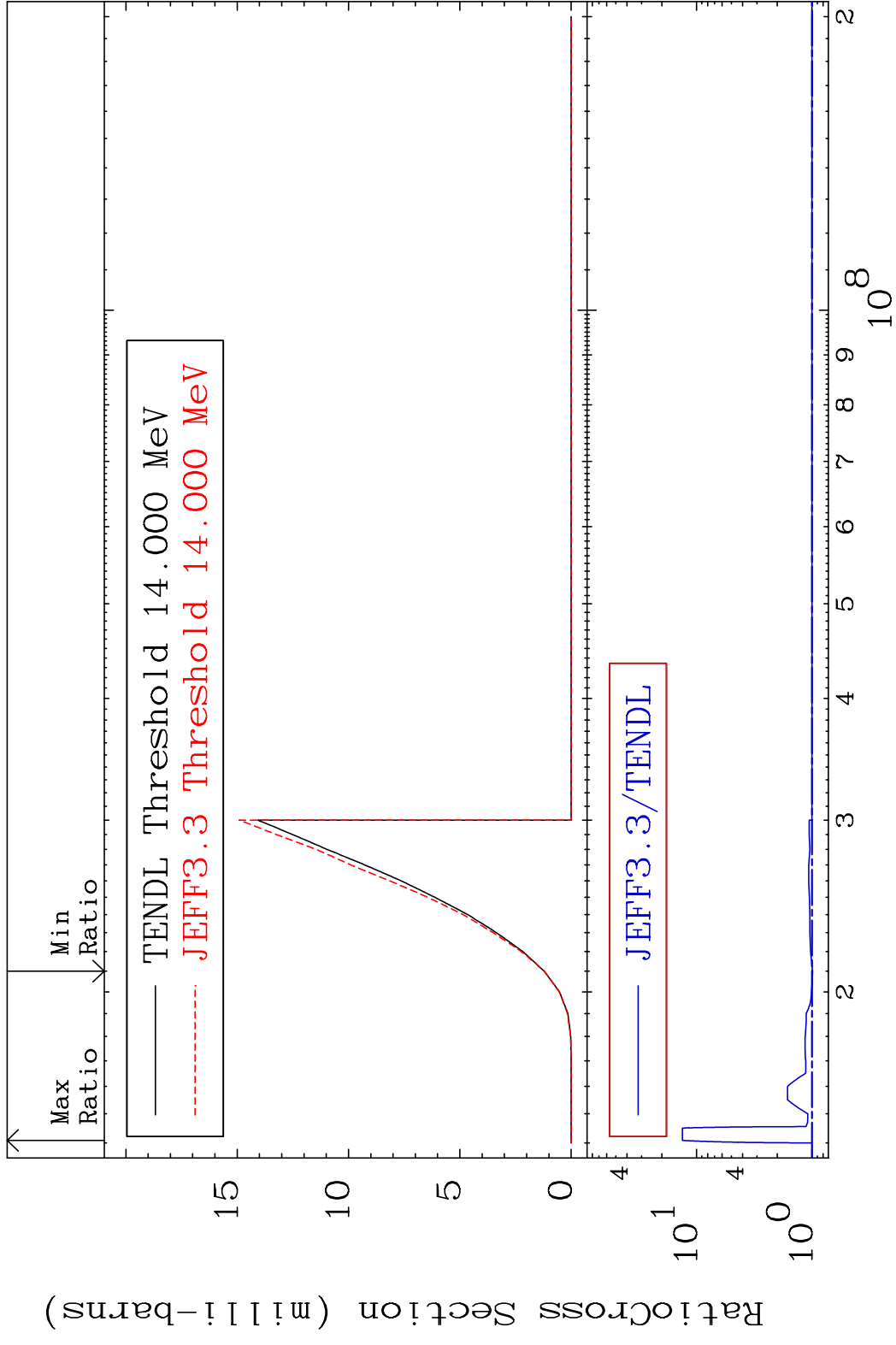
MAT 4122 (n,2n) α :39-Y -87m1 41-Nb-92
 Radionuclide Production Cross Section Ratio 9999. %



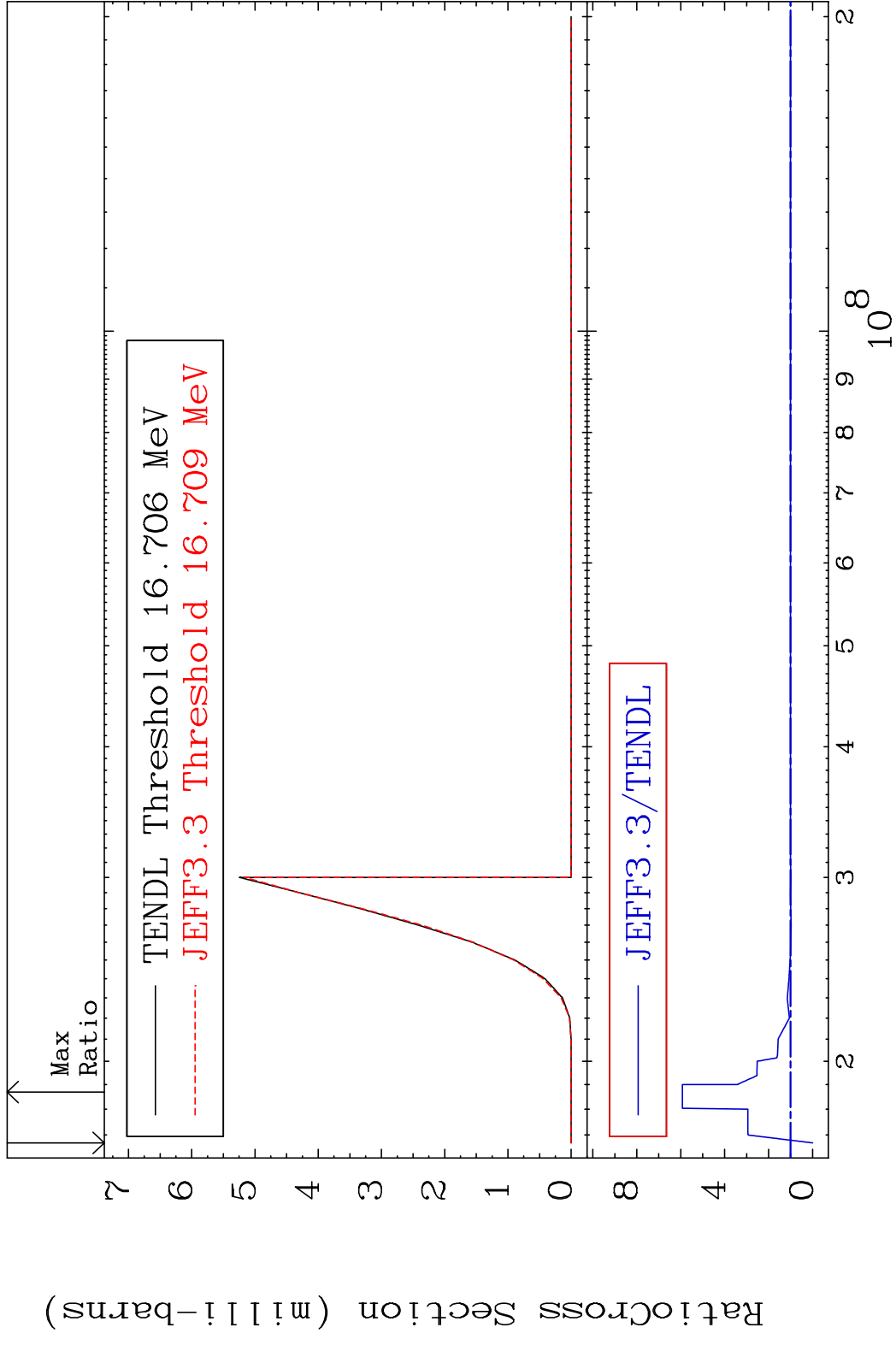


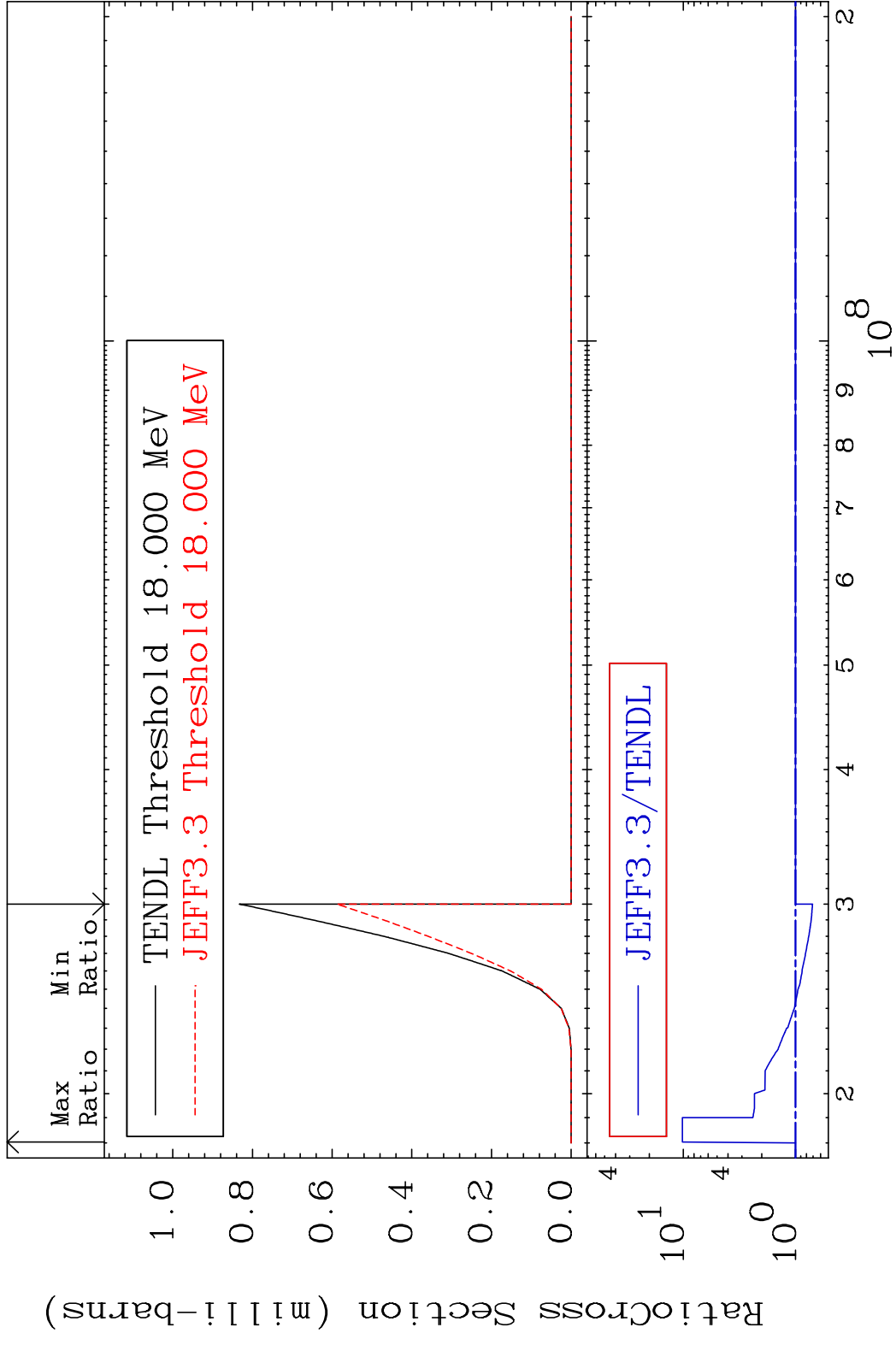


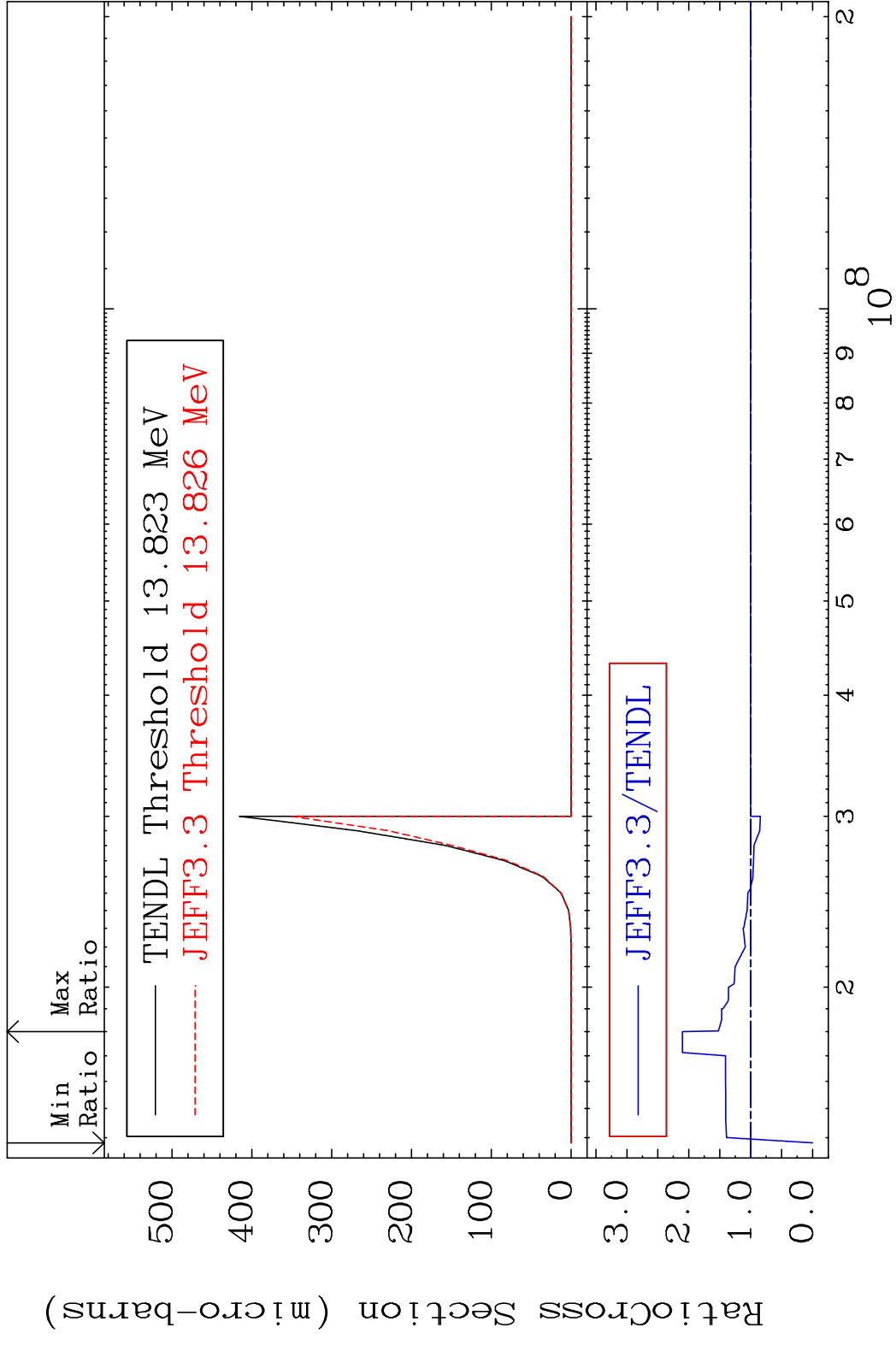


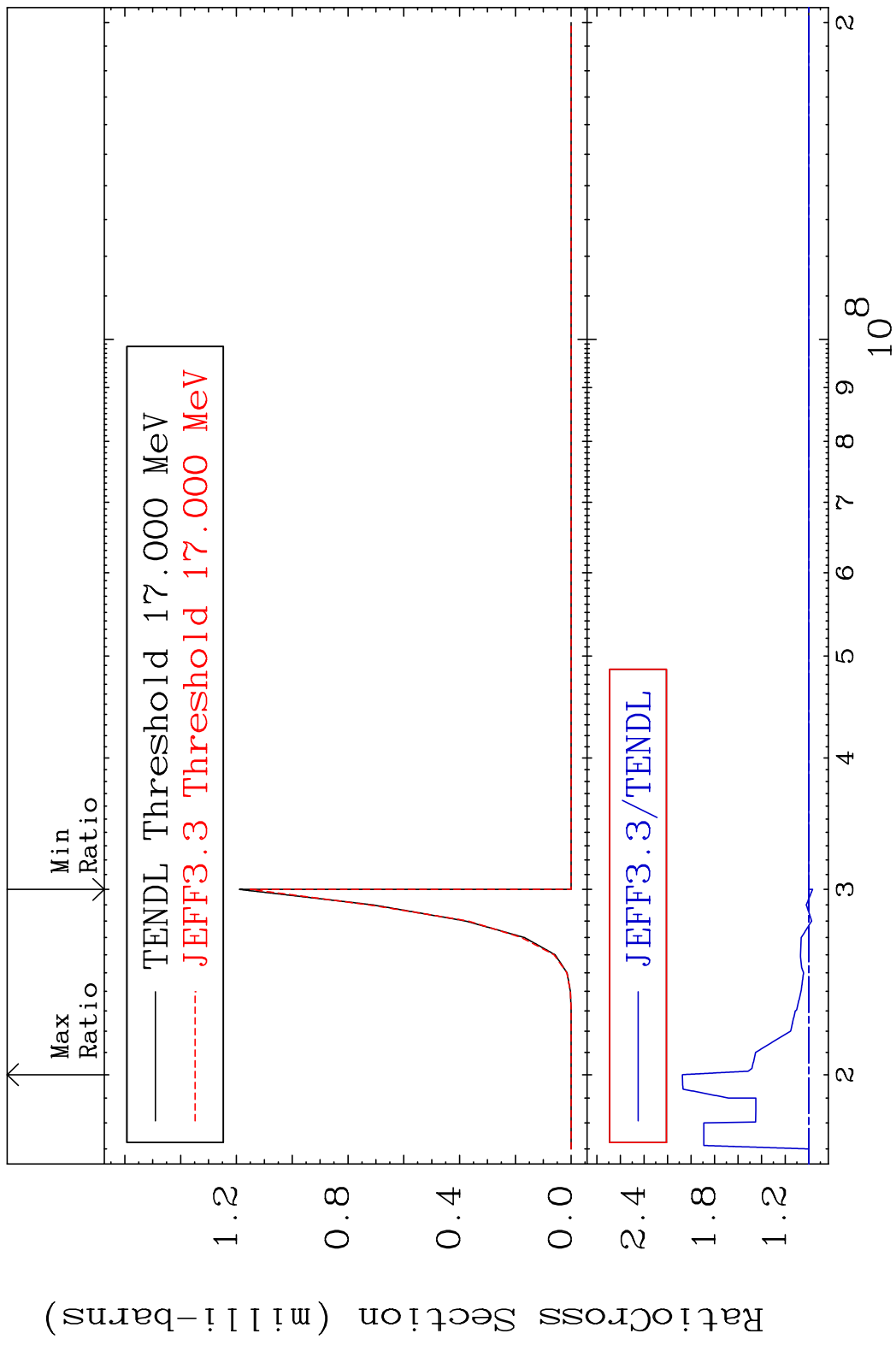


MAT 4122 (n, n') t:40-Zr-89g 41-Nb-92
 Radionuclide Production Cross Section 180.01 dth 492.7 %

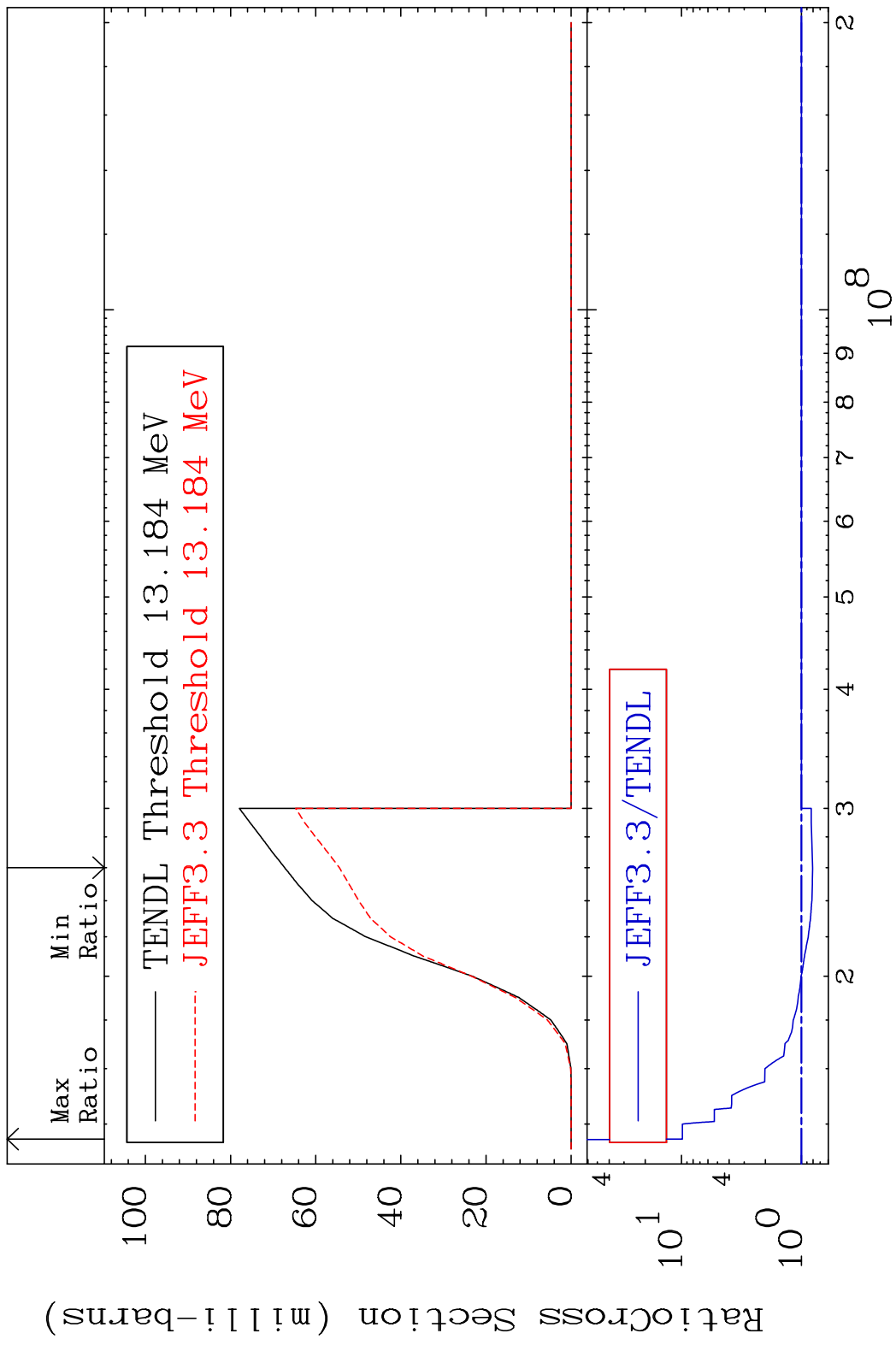




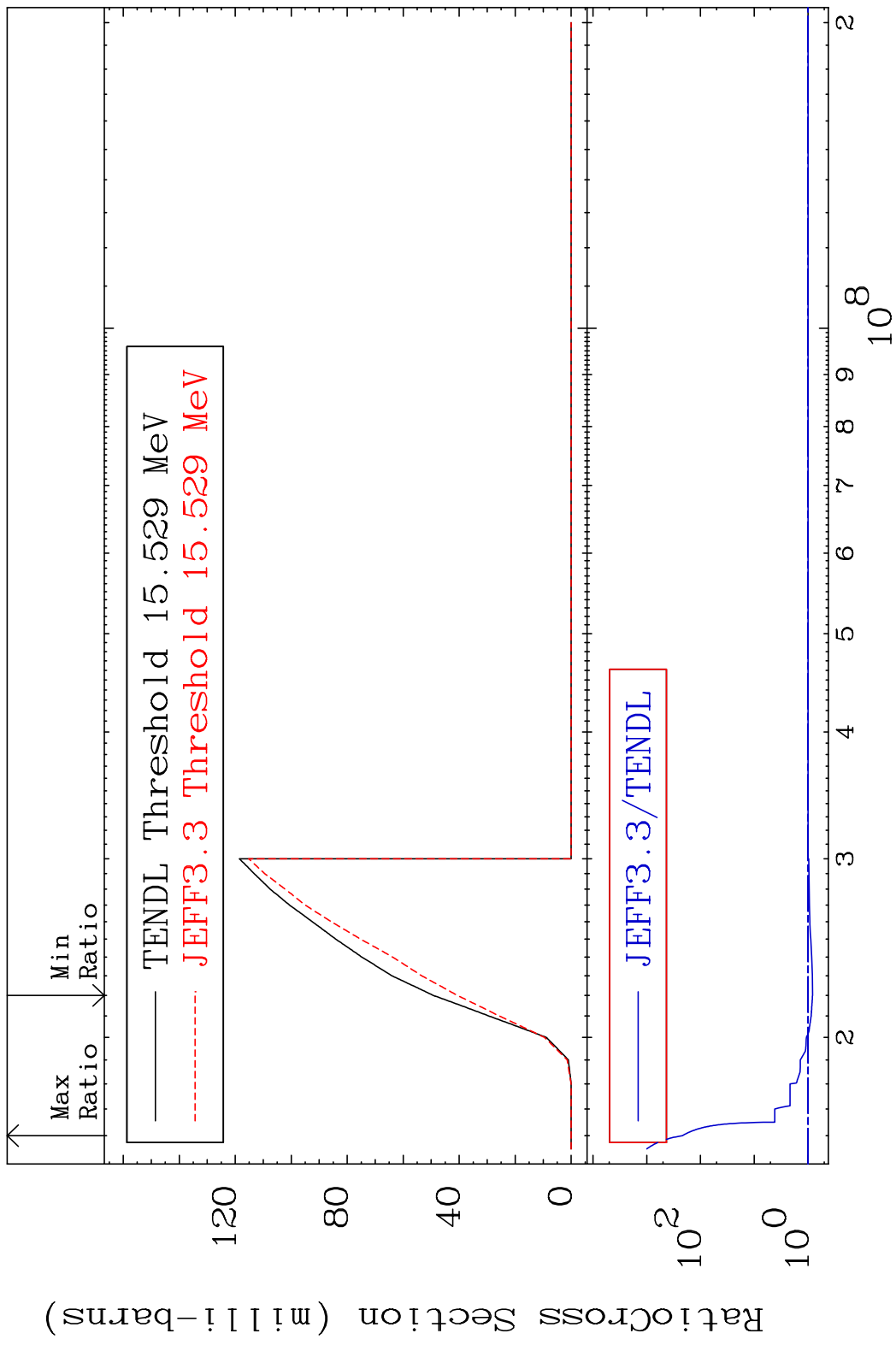


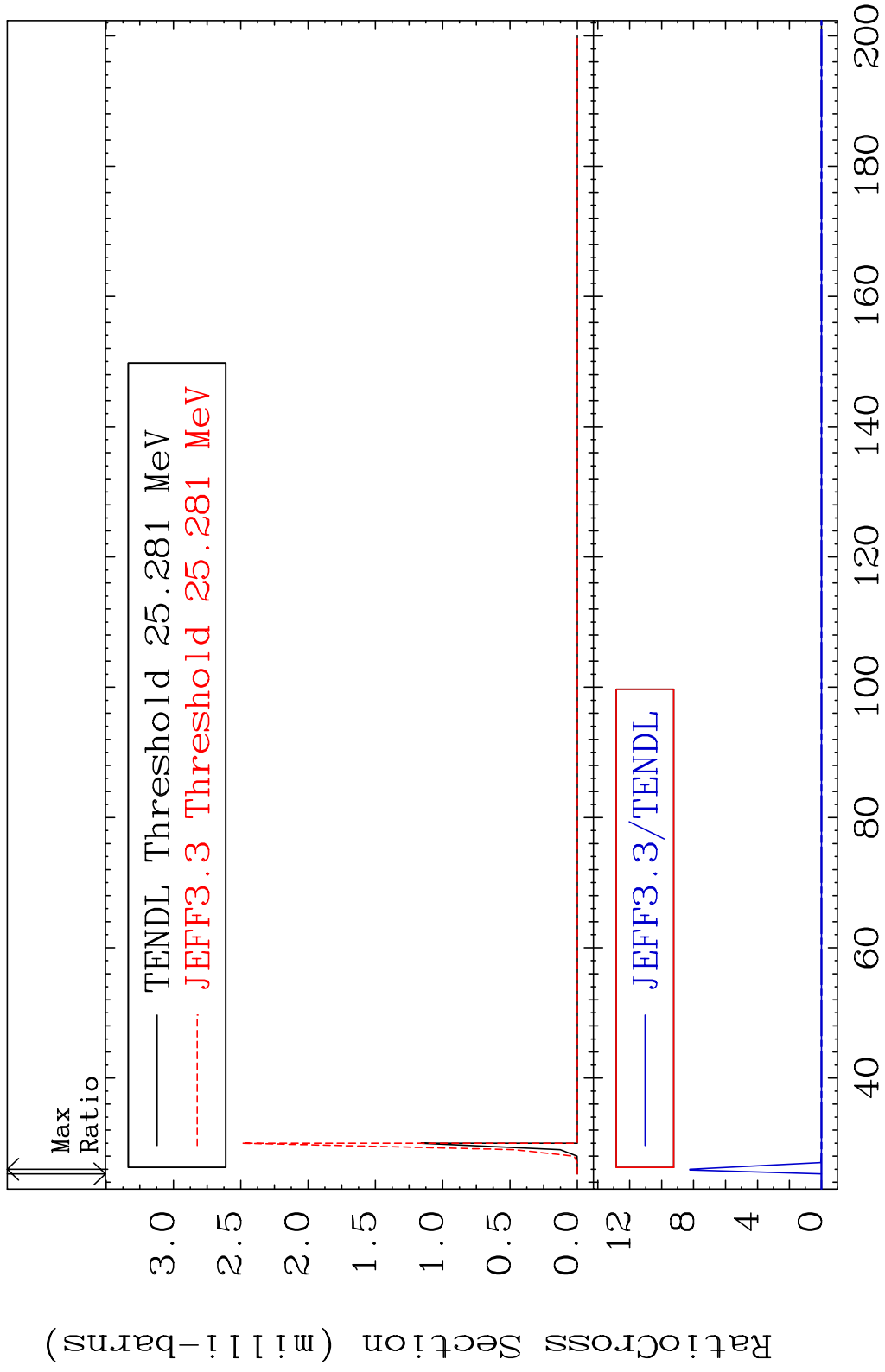


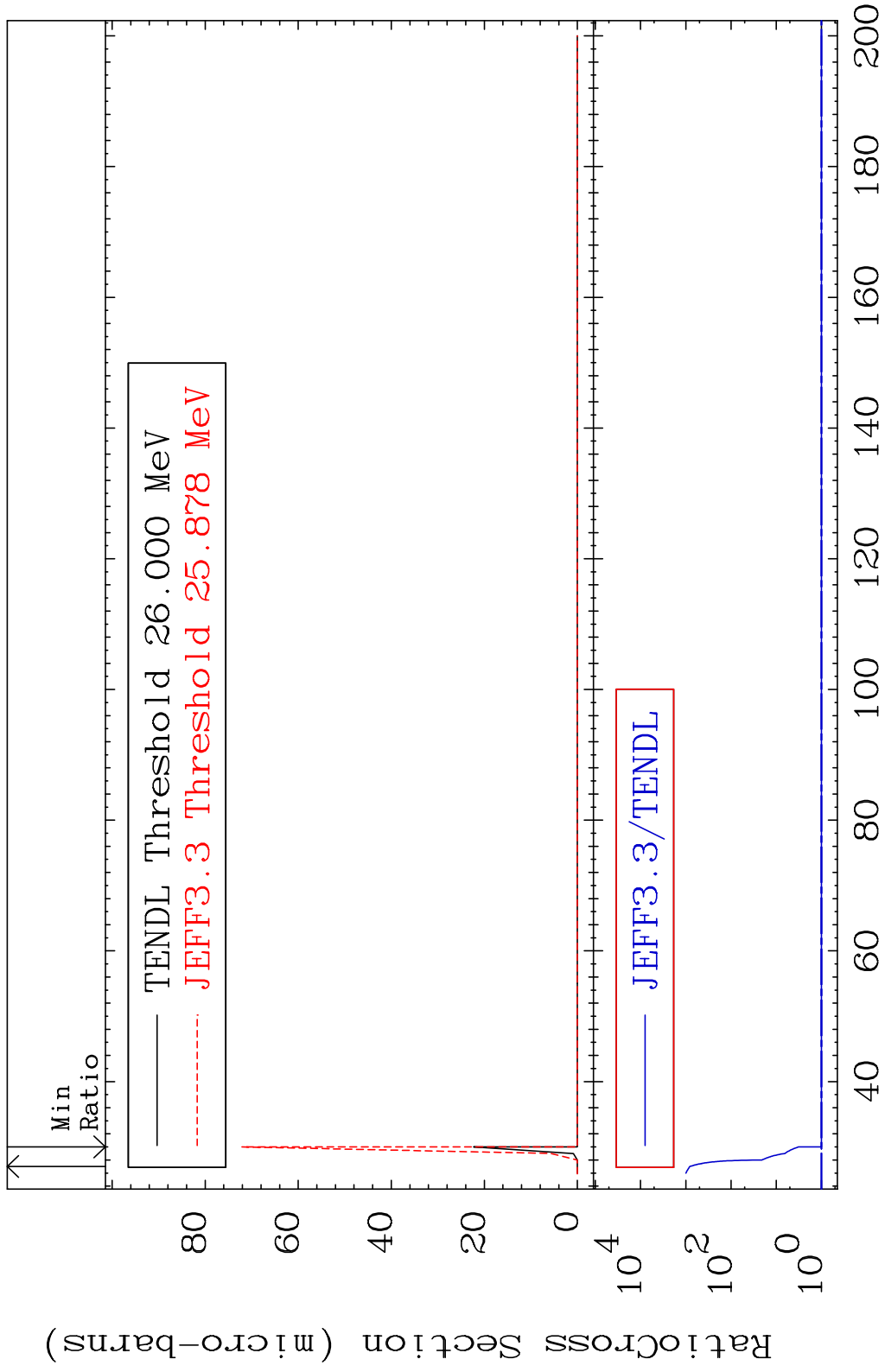
MAT 4122 (n,2n) p:40-Zr-90g 41-Nb-92
 Radionuclide Production Cross Section 881.7 %

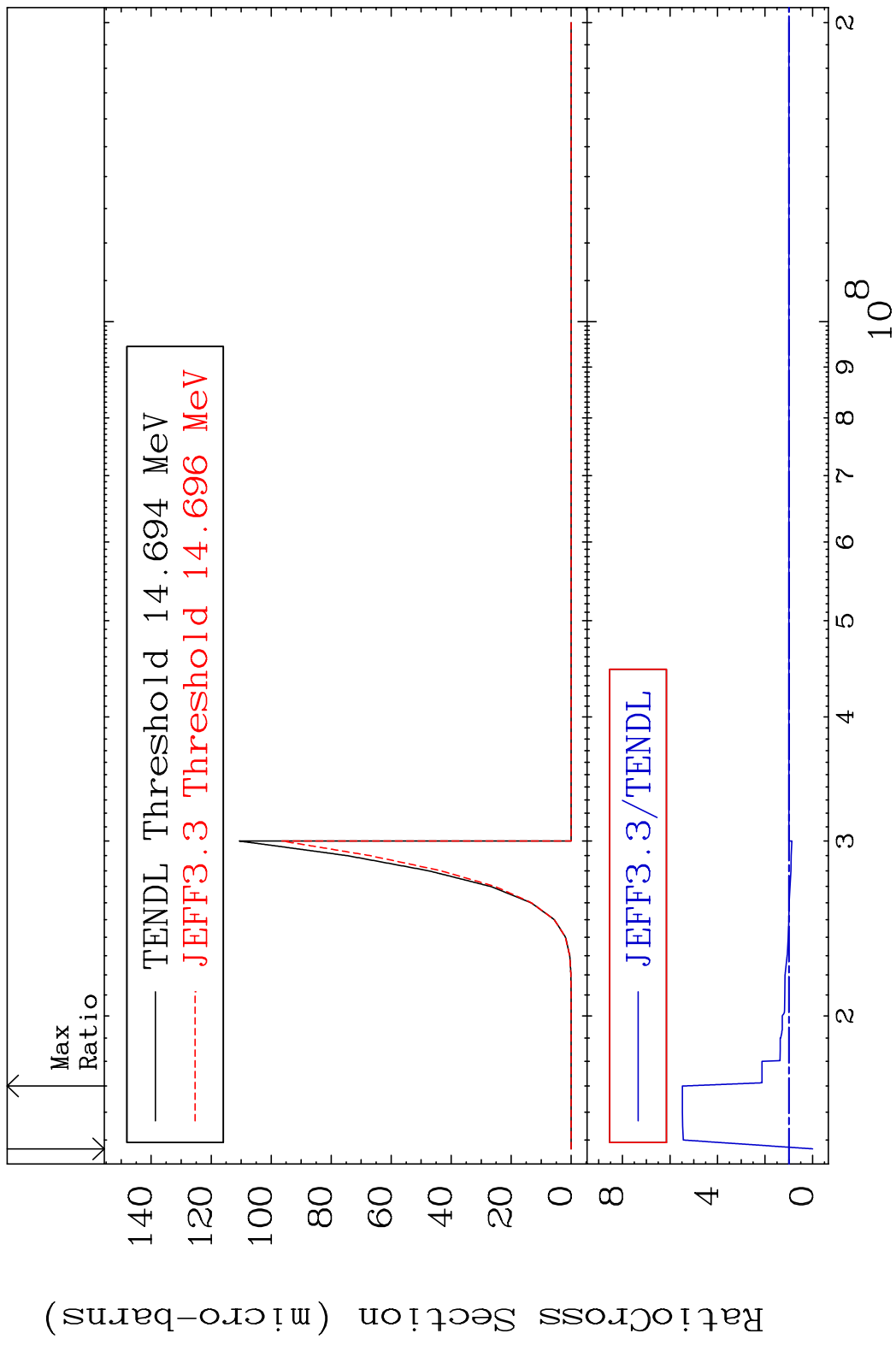


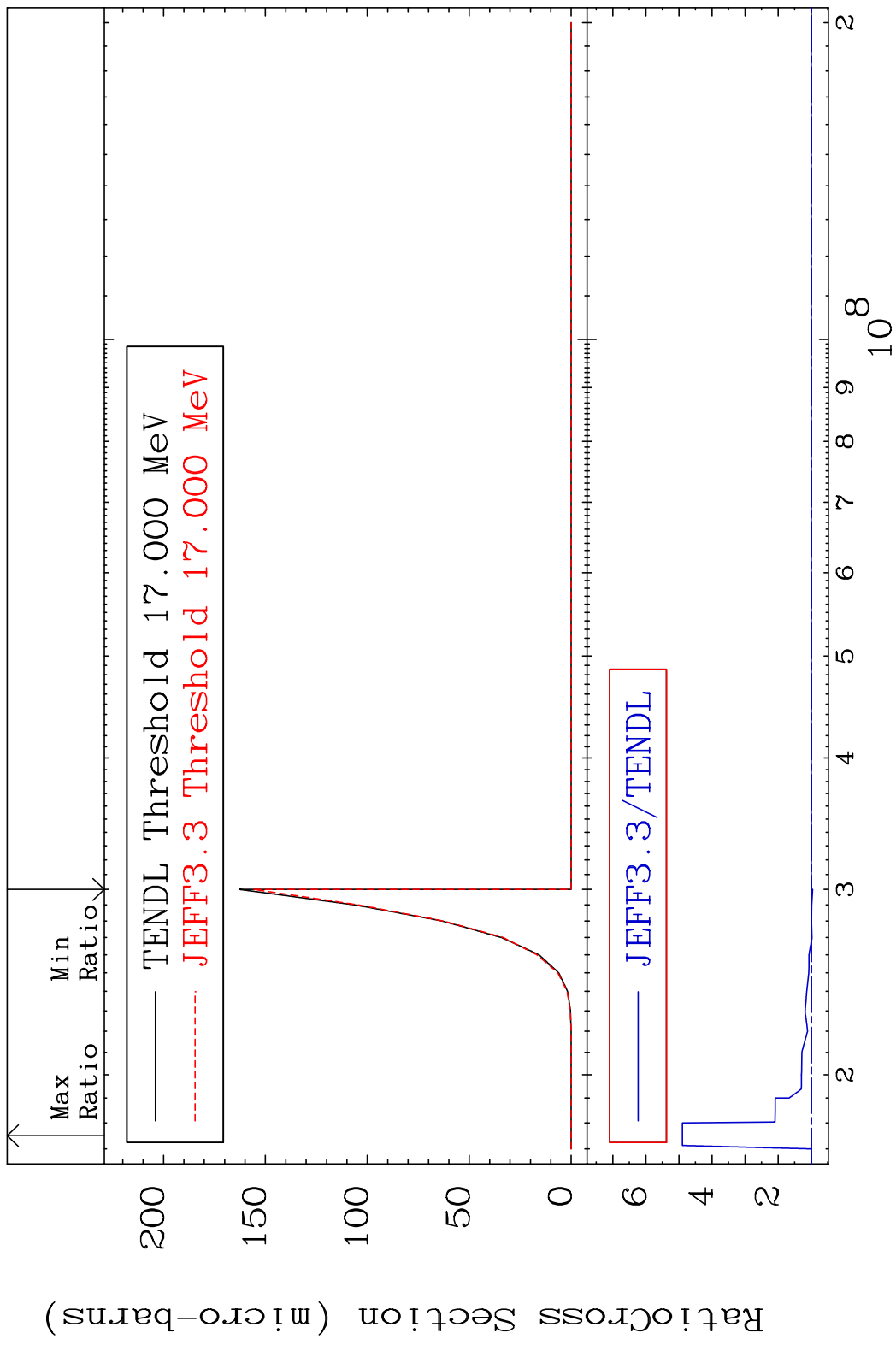
80 Incident Energy (eV) 41-Nb-92

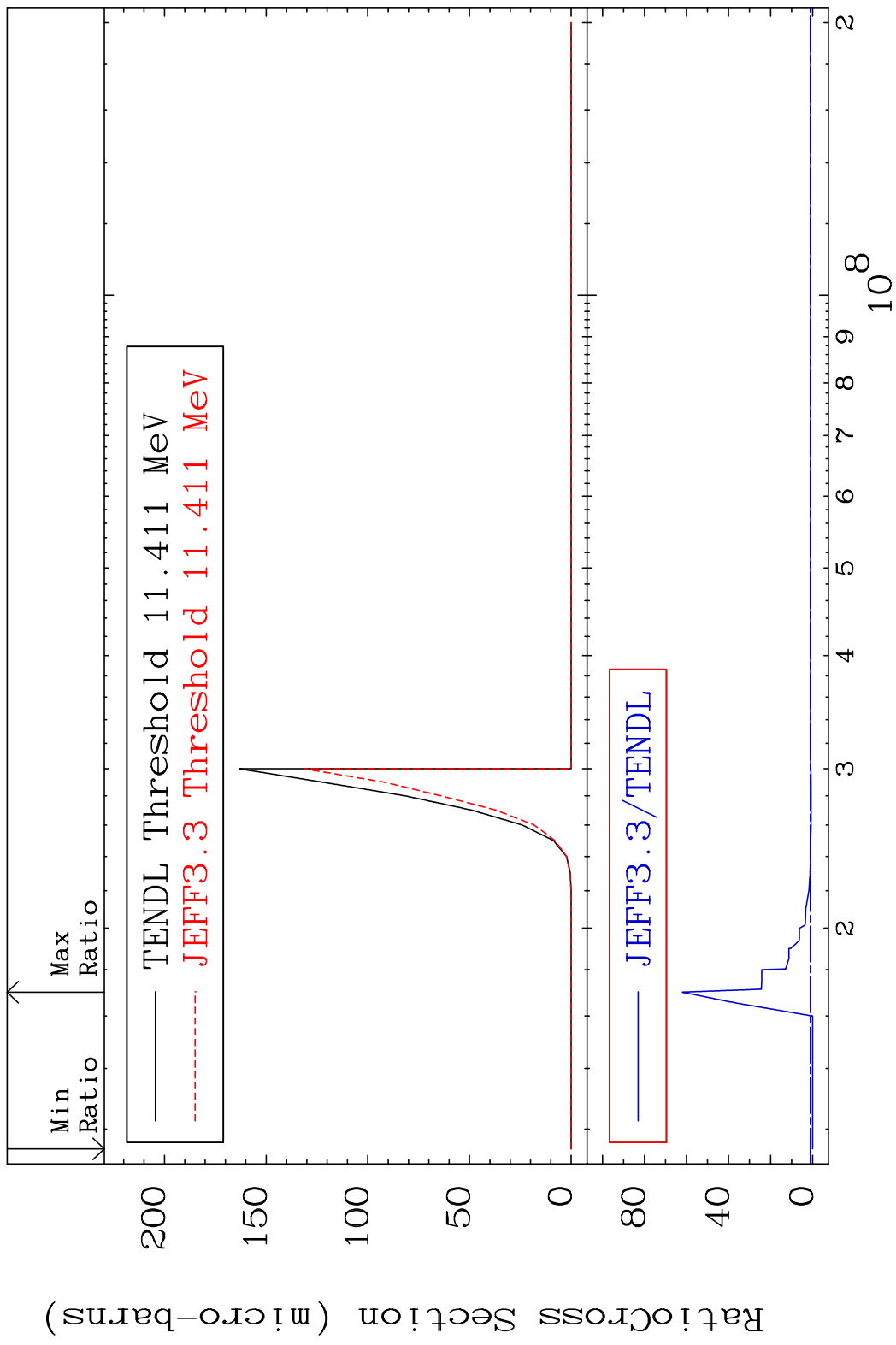


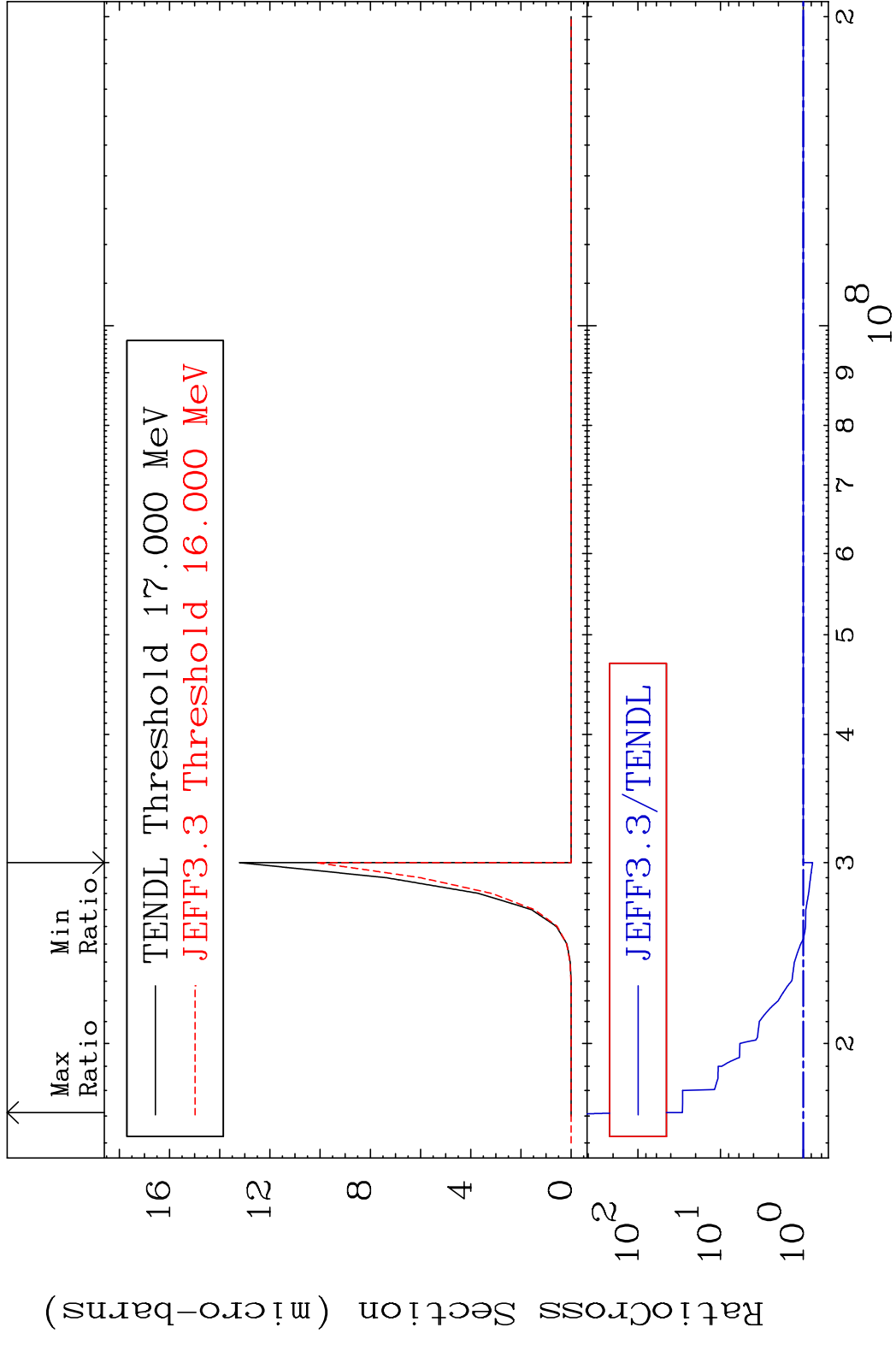




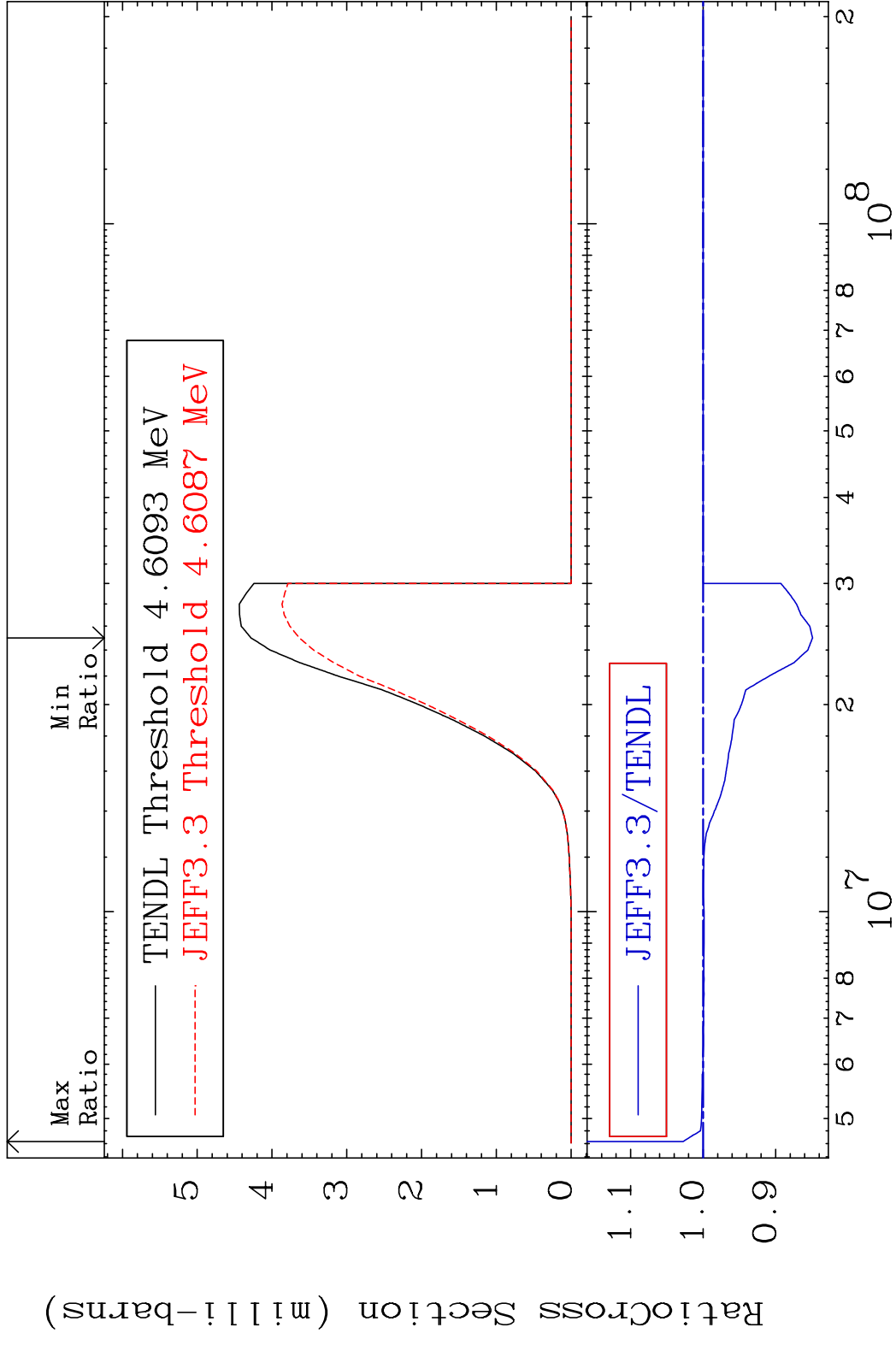




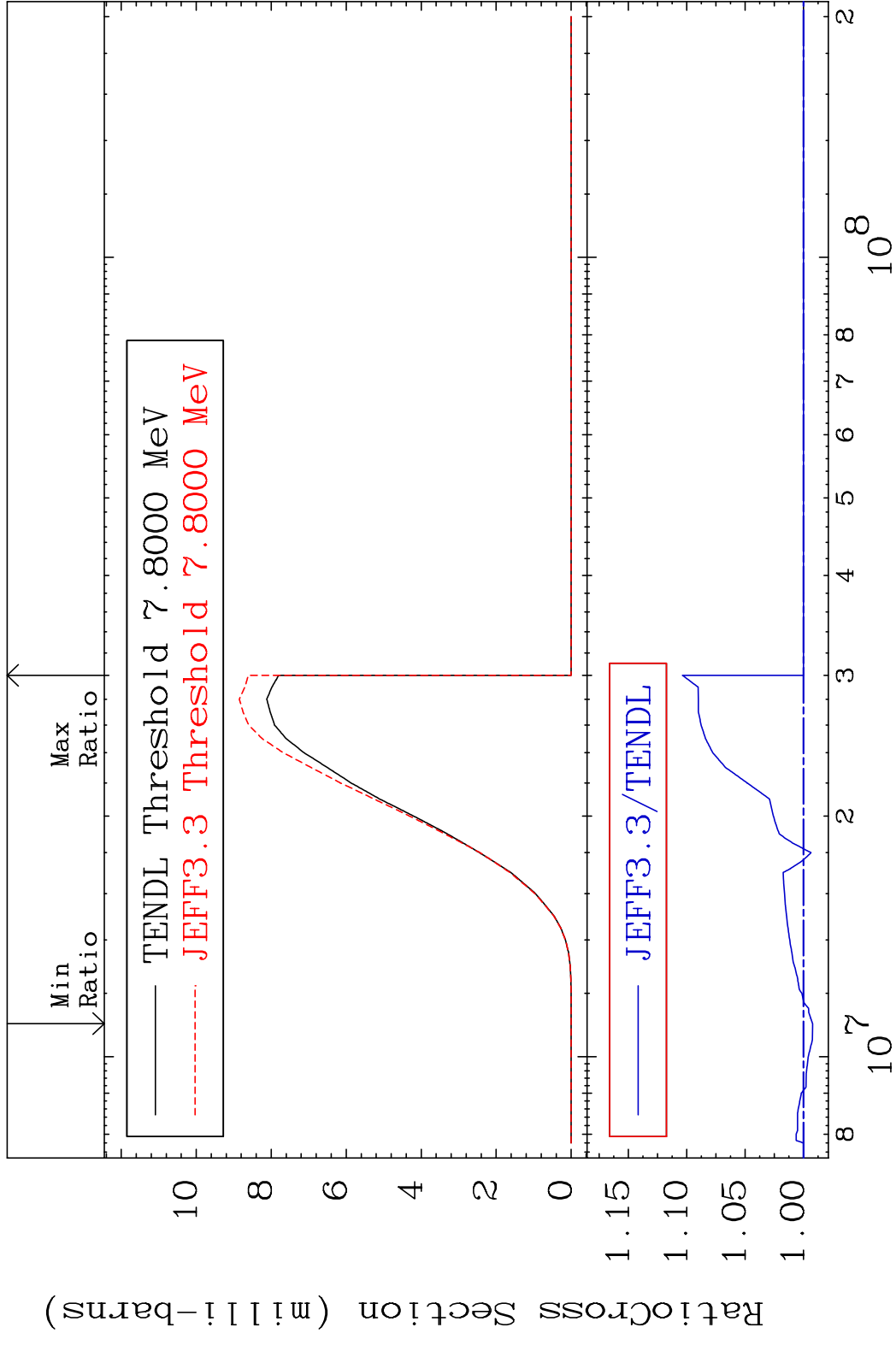




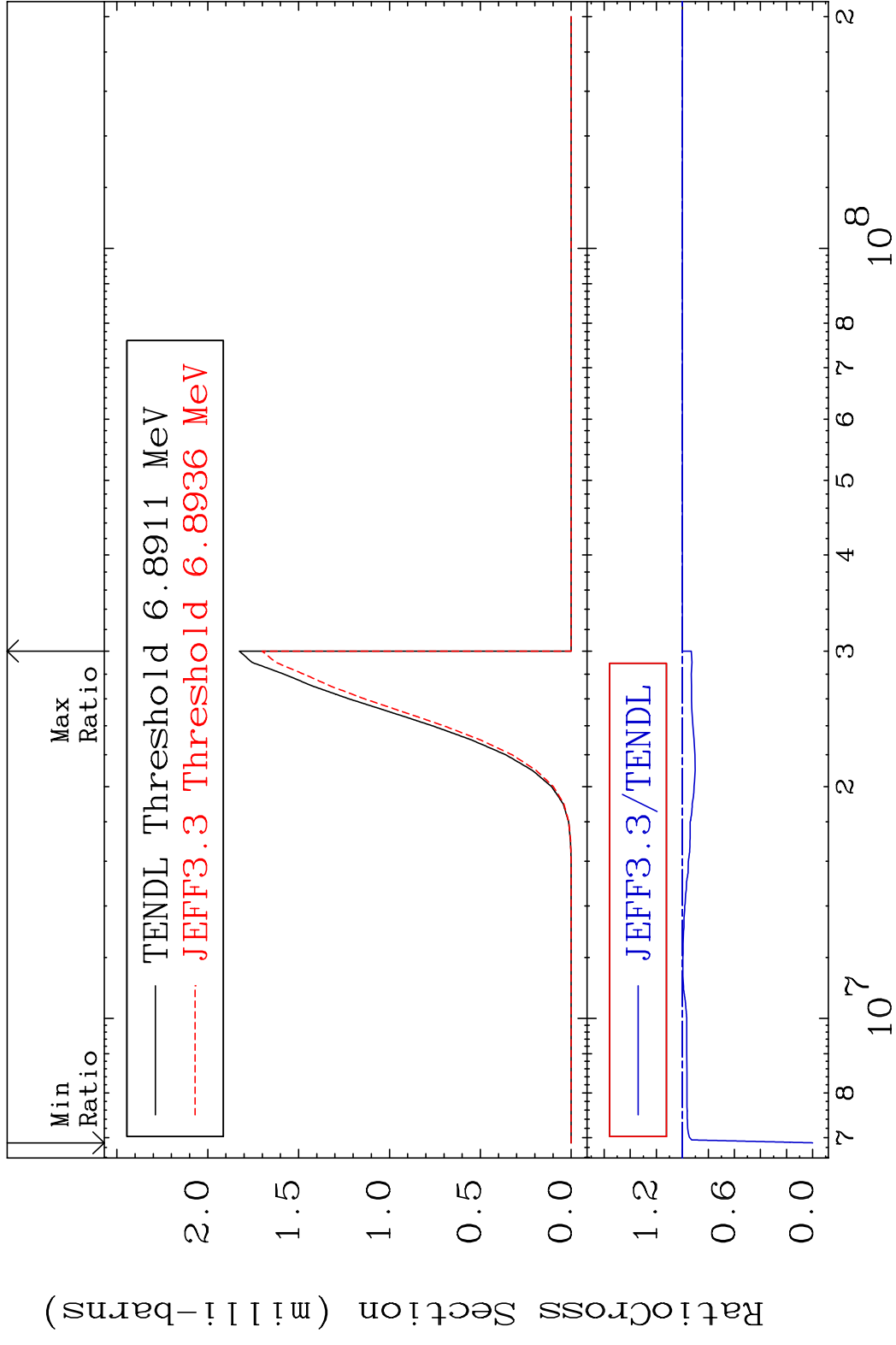
MAT 4122 (n, t): 40-Zr-90g 41-Nb-92
 Radionuclide Production Cross Section 2.865 %



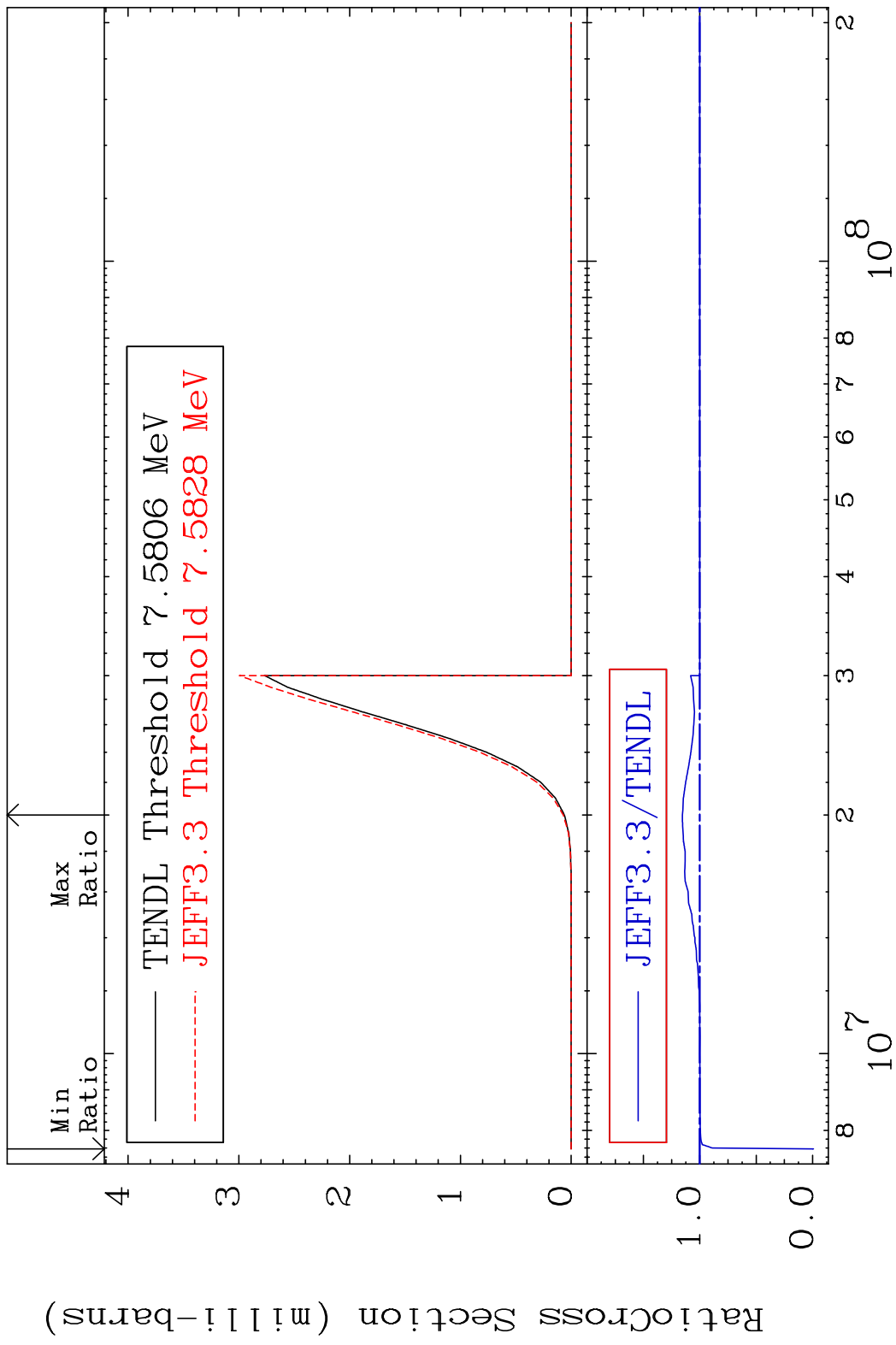
MAT 4122 (n, t): 40-Zr-90m3 41-Nb-92
 Radionuclide Production Cross Section 10.38 %

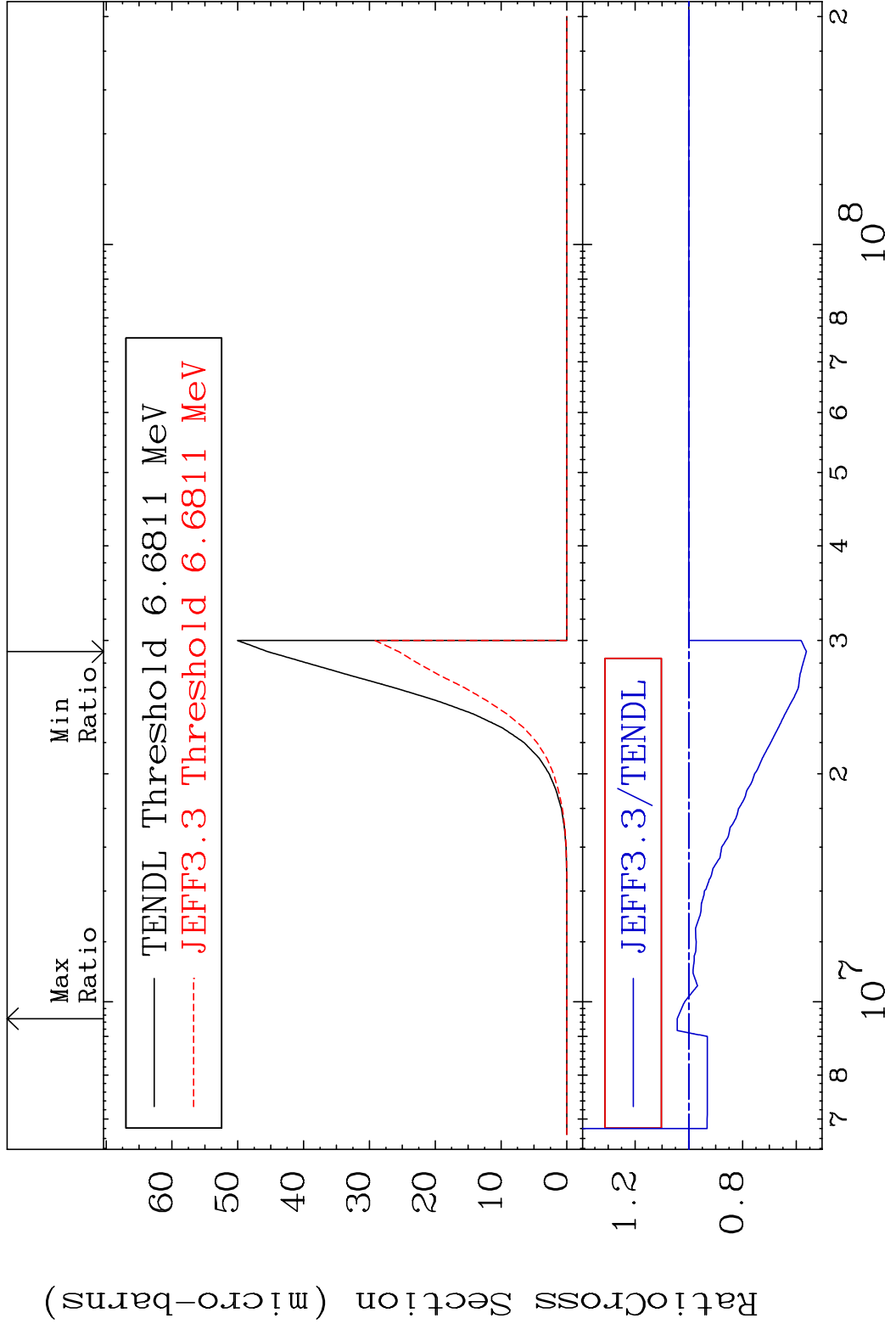


MAT 4122 (n, He-3):39-Y -90g 41-Nb-92
 Radionuclide Production Cross Section Ratio 0.000 %

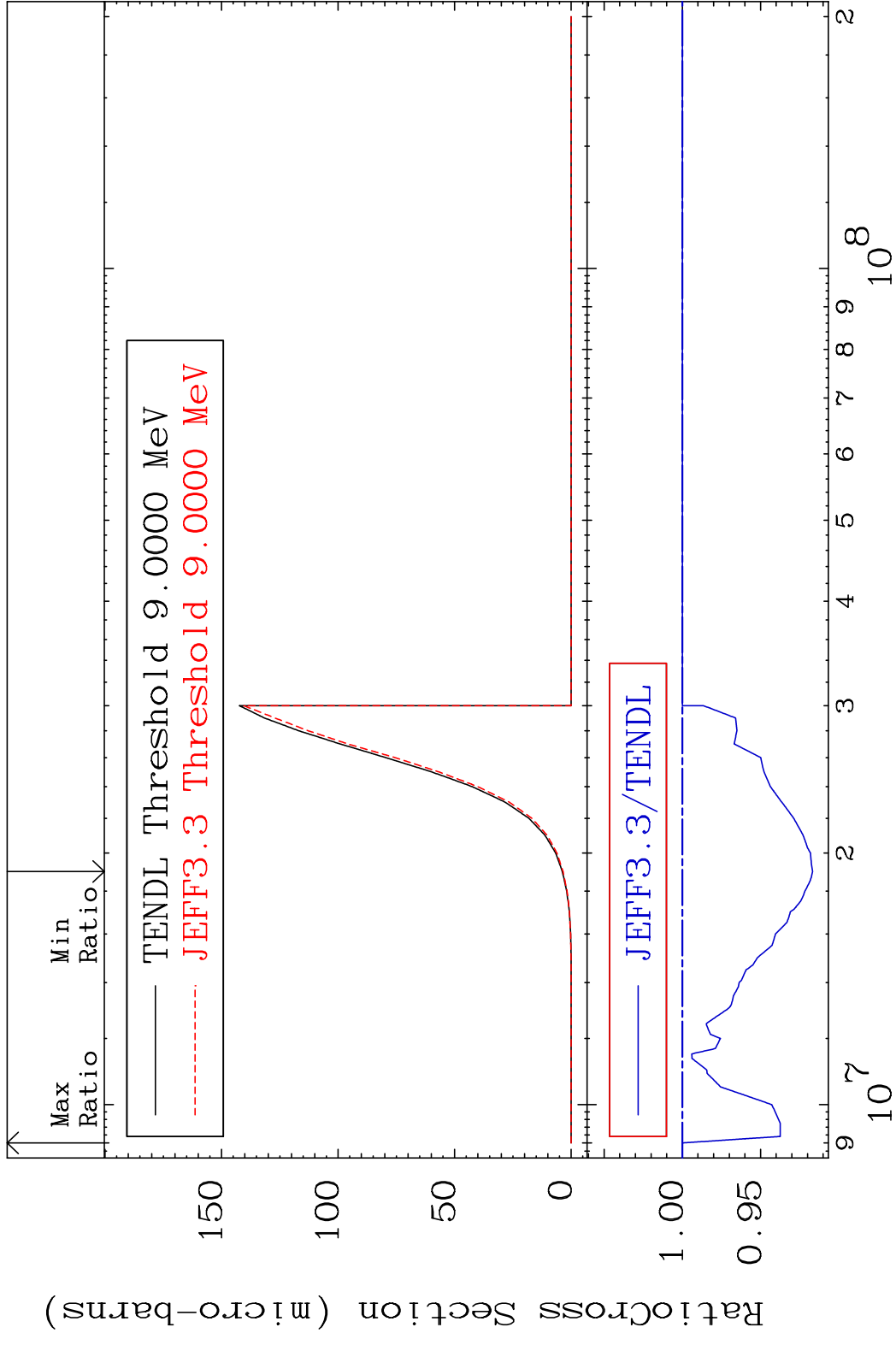


MAT 4122 (n, He-3):39-Y -90m2 41-Nb-92
 Radionuclide Production Cross Section 15.48 %

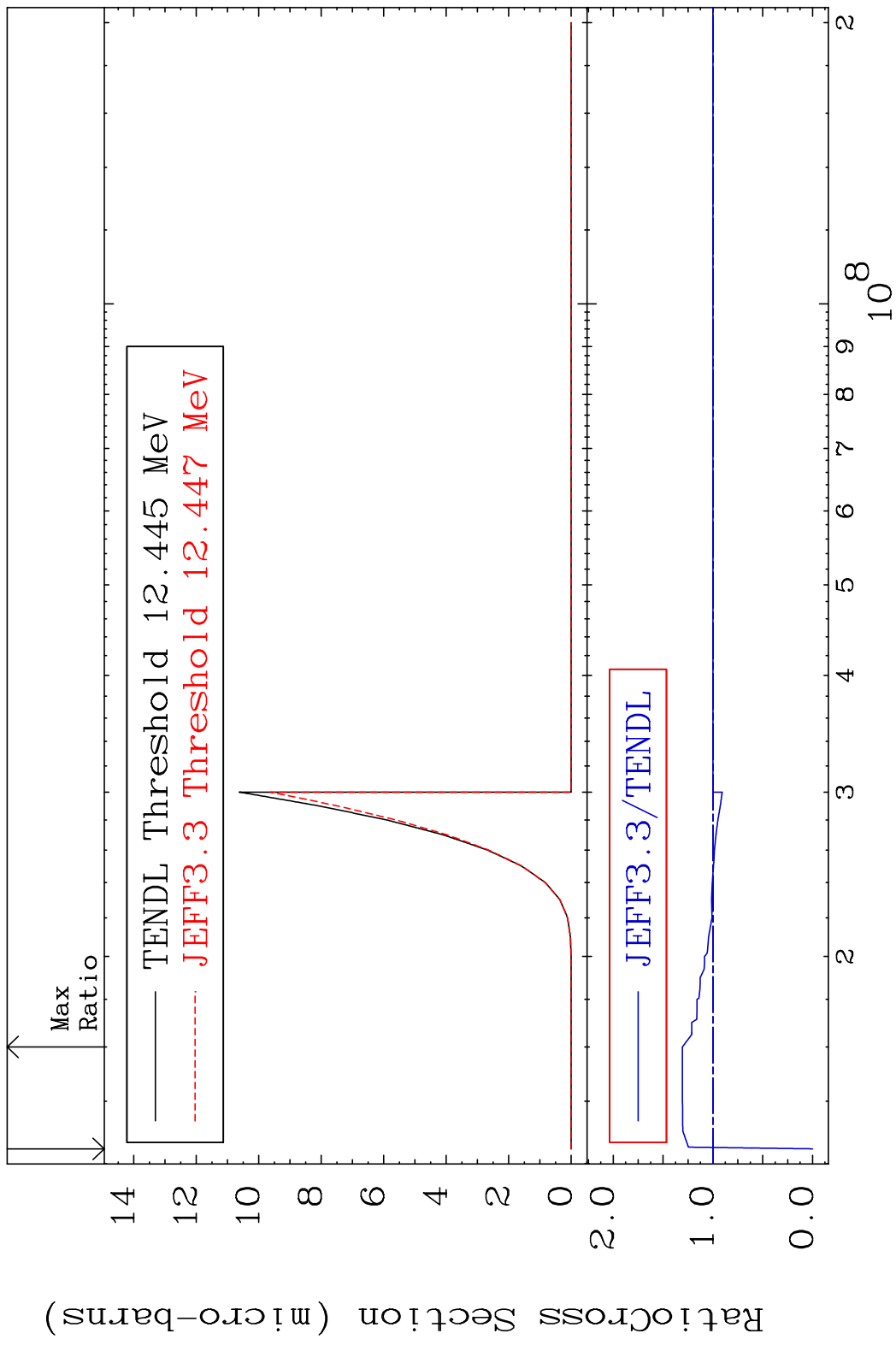




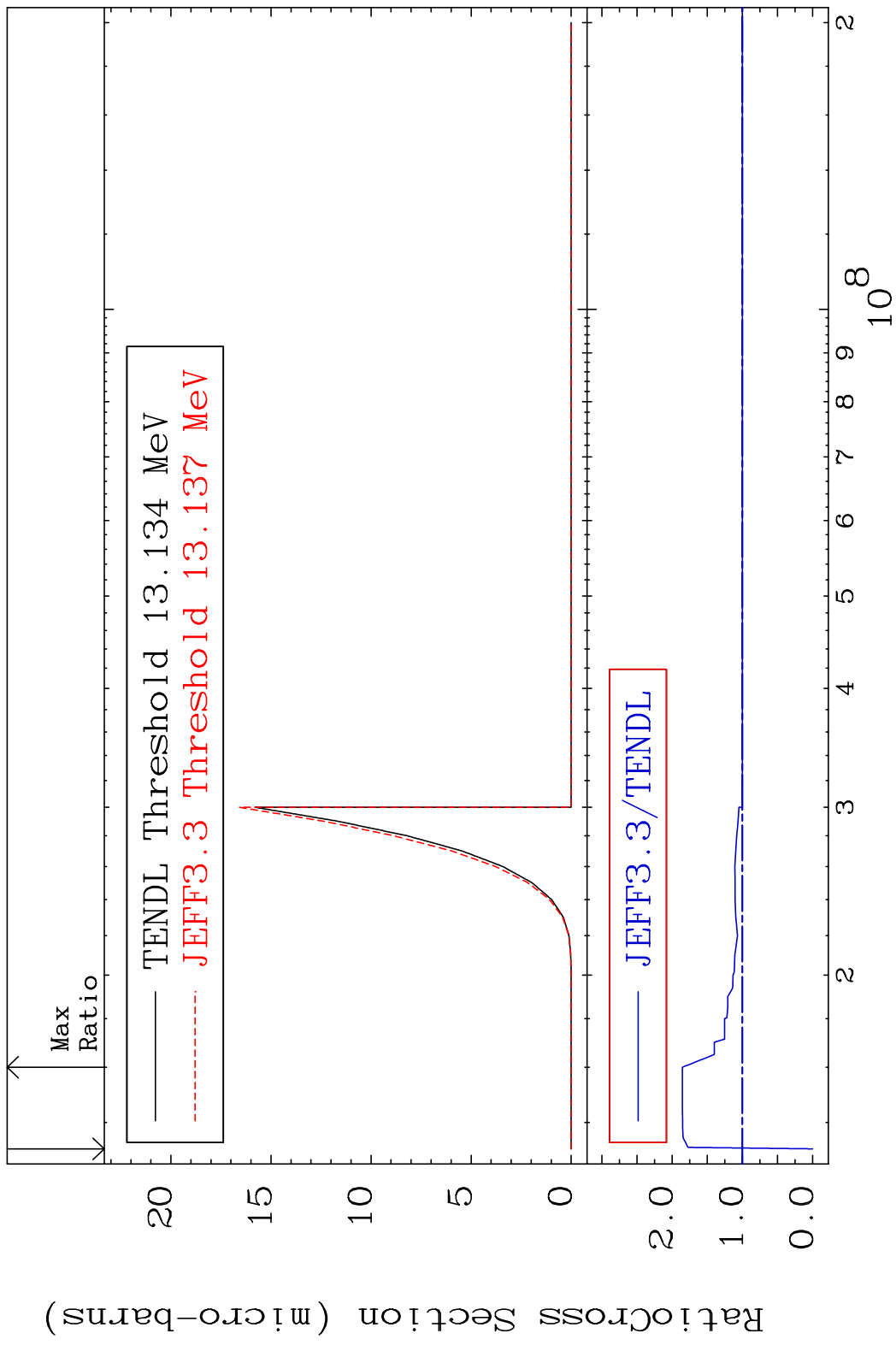
MAT 4122 (n,2p):39-Y -91m1 41-Nb-92
 Radionuclide Production Cross Section 0.000 %

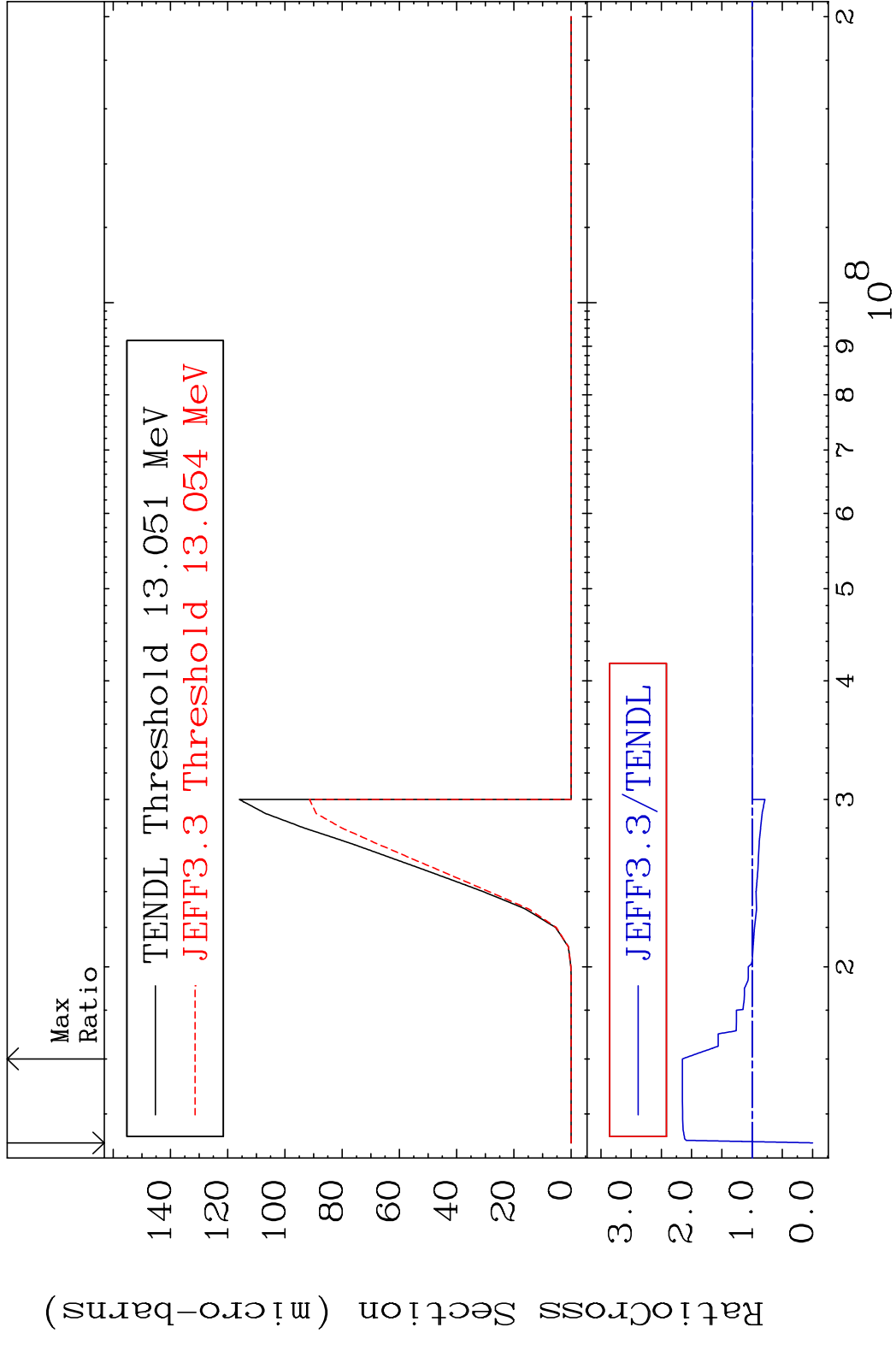


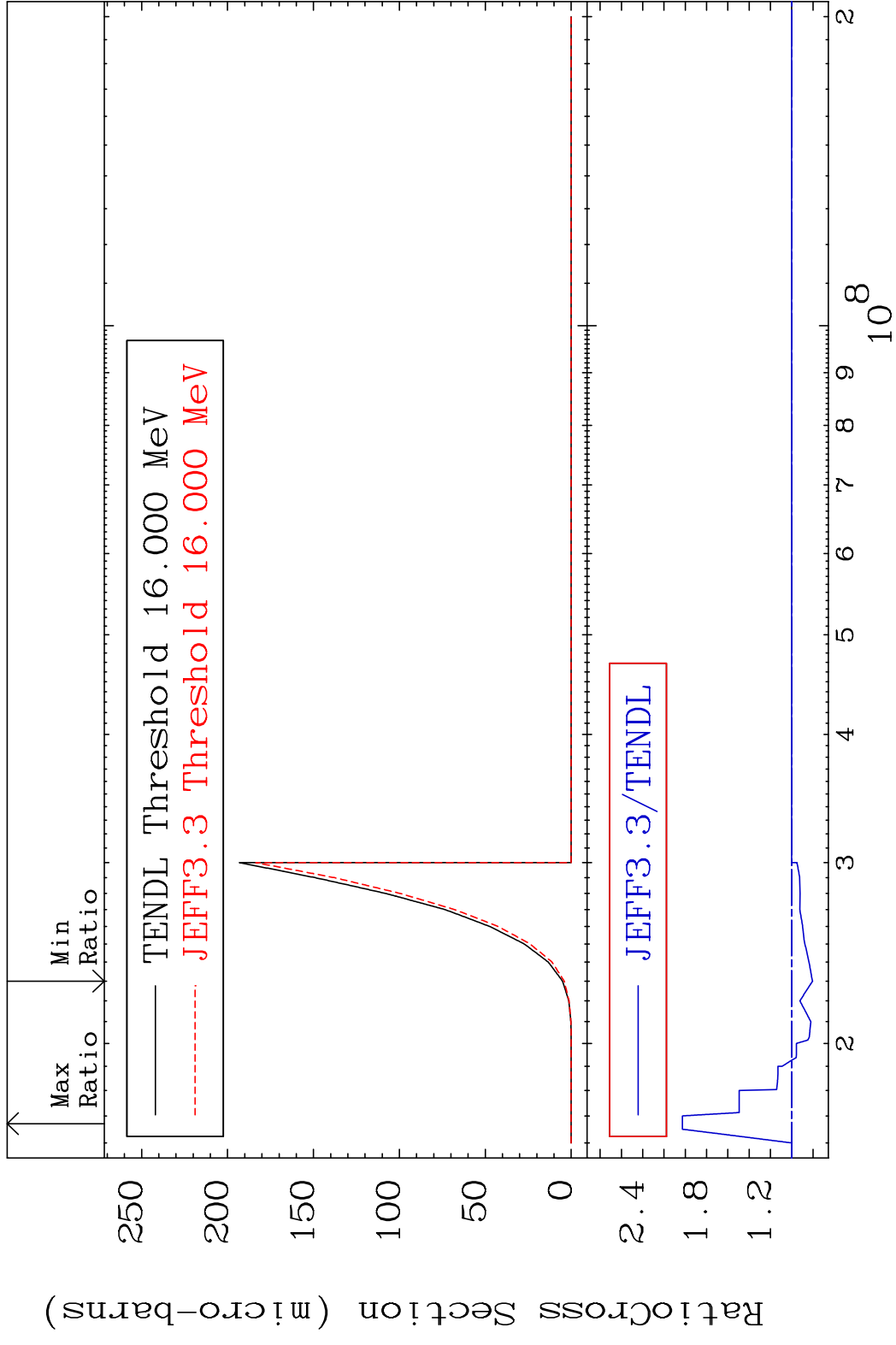
MAT 4122 (n,p) d:39-Y -90g 41-Nb-92
 Radionuclide Production Cross Section 180.01 dth 30.66 %



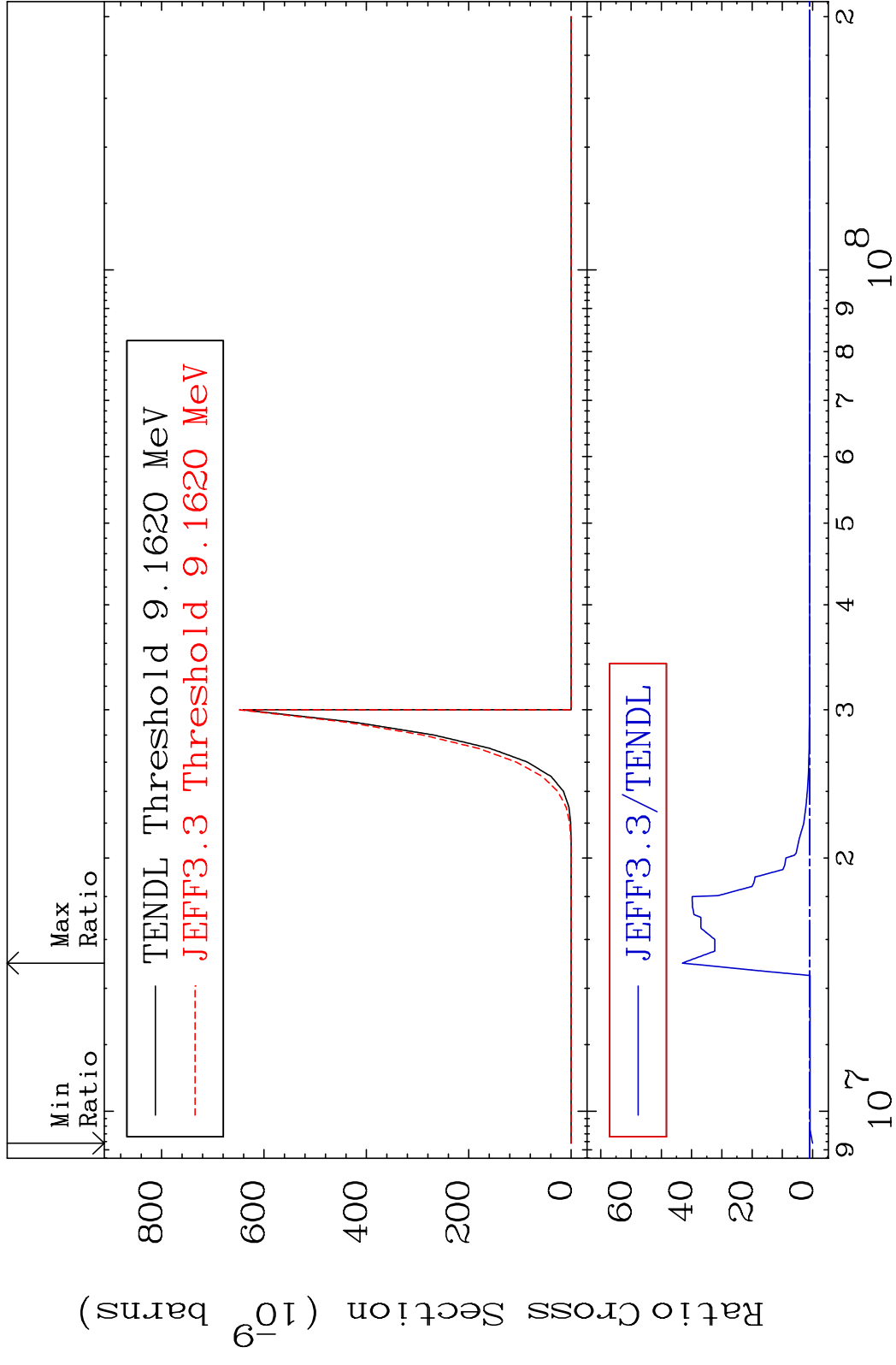
MAT 4122 (n,p) d:39-Y -90m2 41-Nb-92
 Radionuclide Production Cross Section 1800 d to 85.50 %







MAT 4122 (n, d) α :38-Sr-87g 41-Nb-92
 Radionuclide Production Cross Section 1800 d to 4205. %



98 Incident Energy (eV) 41-Nb-92

