

Program Complot
(Version 2021-1)

by

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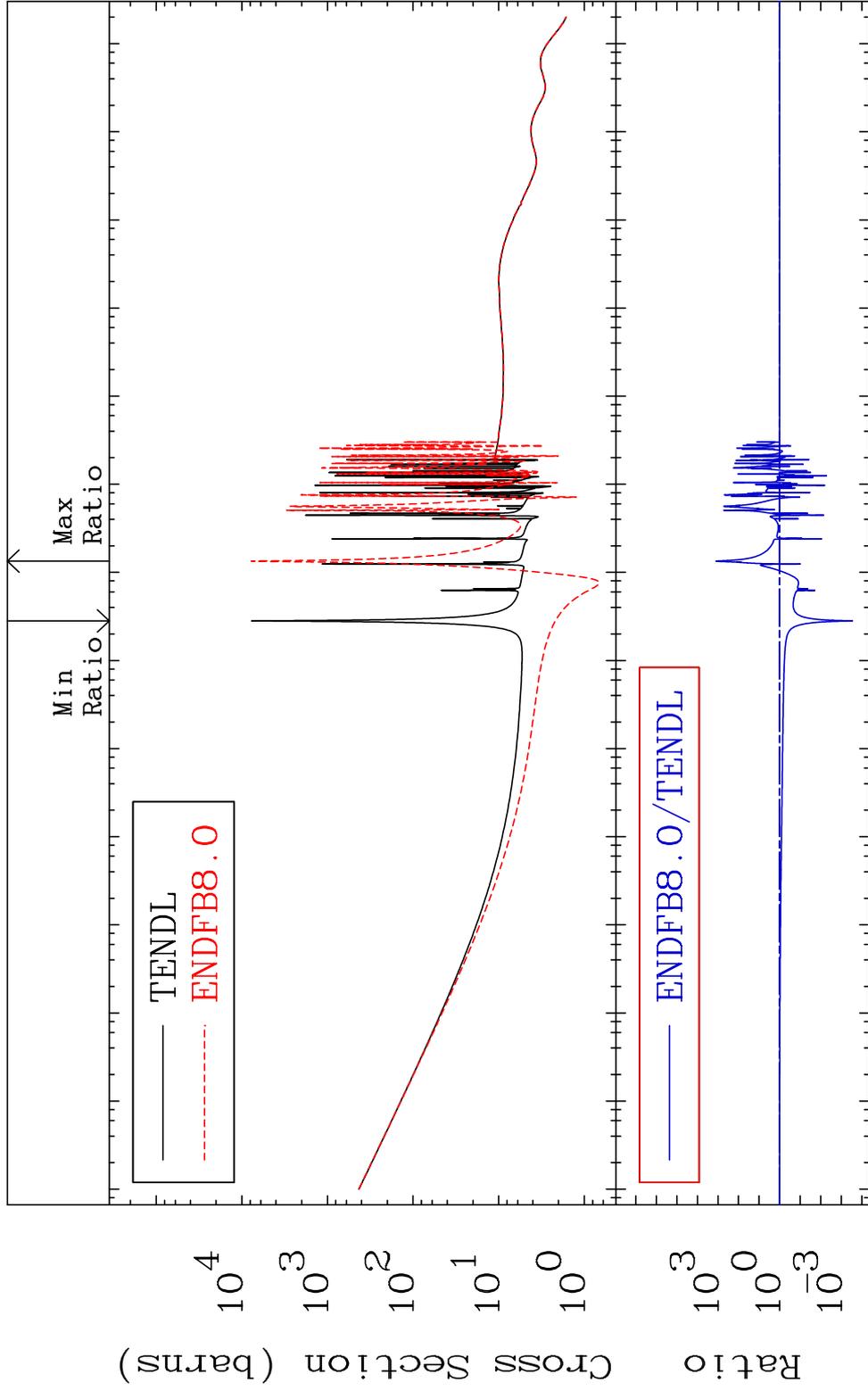
Press Mouse Button to Start

MAT 4228

42-Mo-93

Total

Cross Section -99.97 To 9999. %



1

Incident Energy (eV)

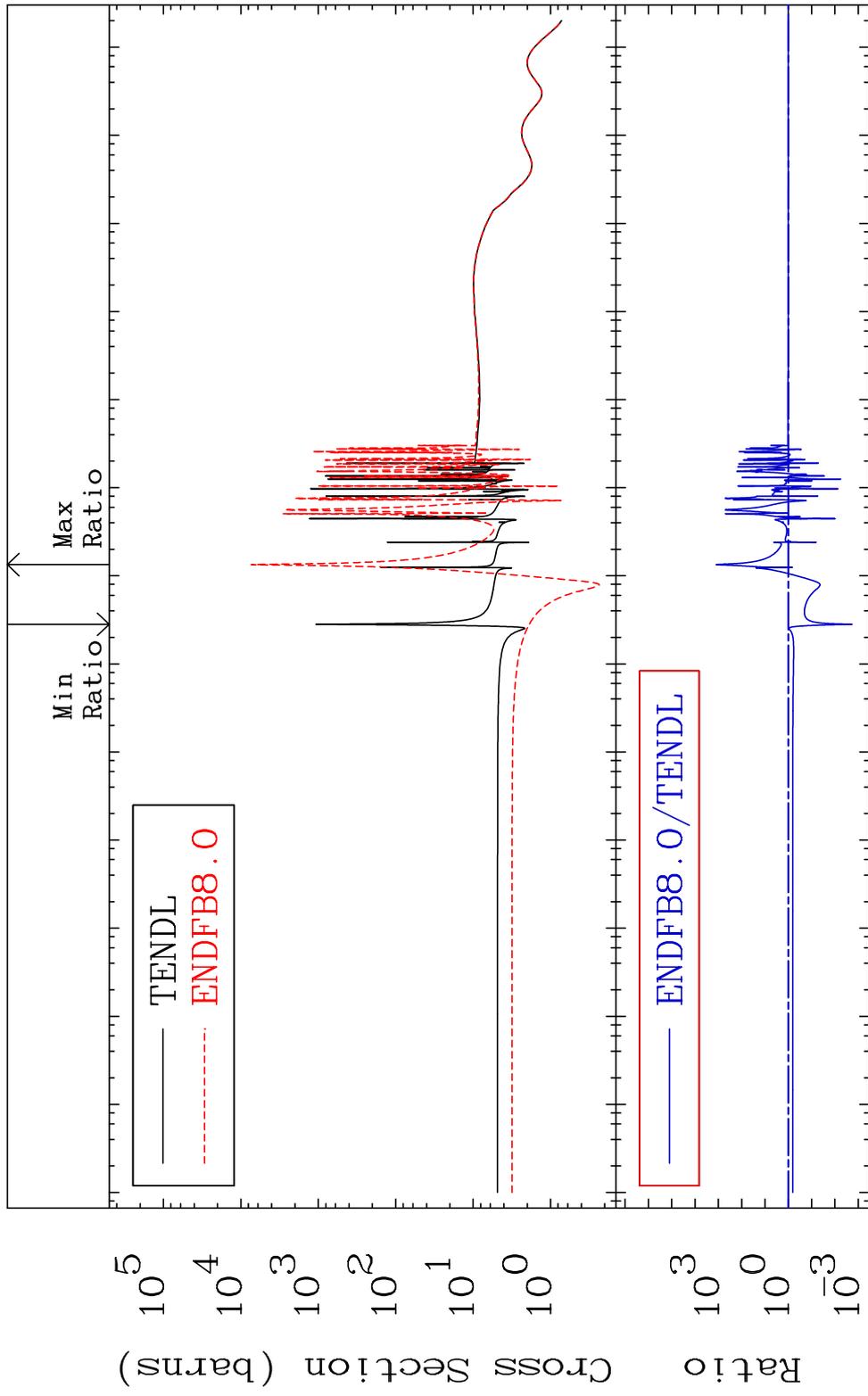
42-Mo-93

MAT 4228

Elastic

42-Mo-93

Cross Section -99.82 To 9999. %



2

Incident Energy (eV)

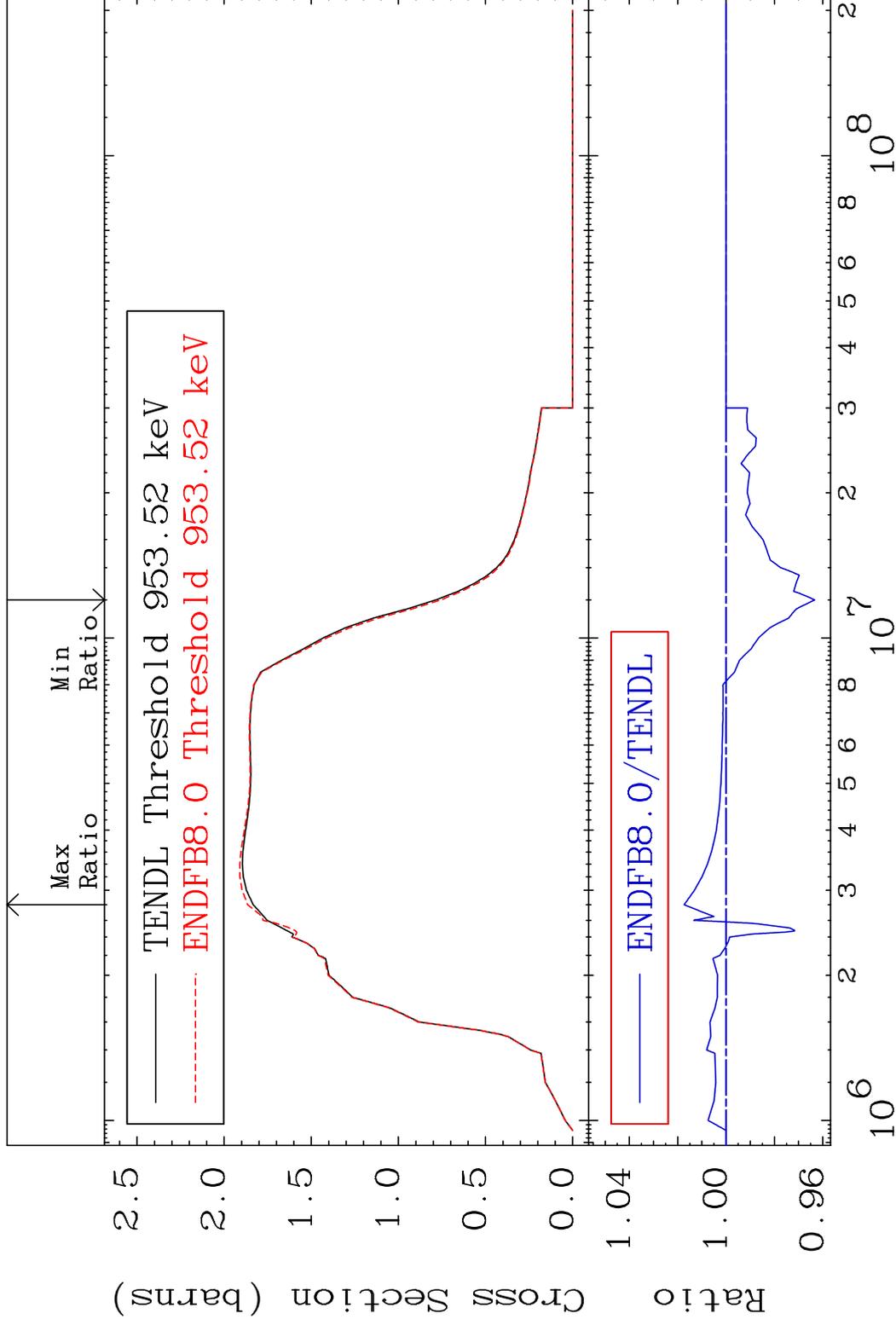
42-Mo-93

MAT 4228

Inelastic

42-Mo-93

Cross Section -3.666 To 1.734 %

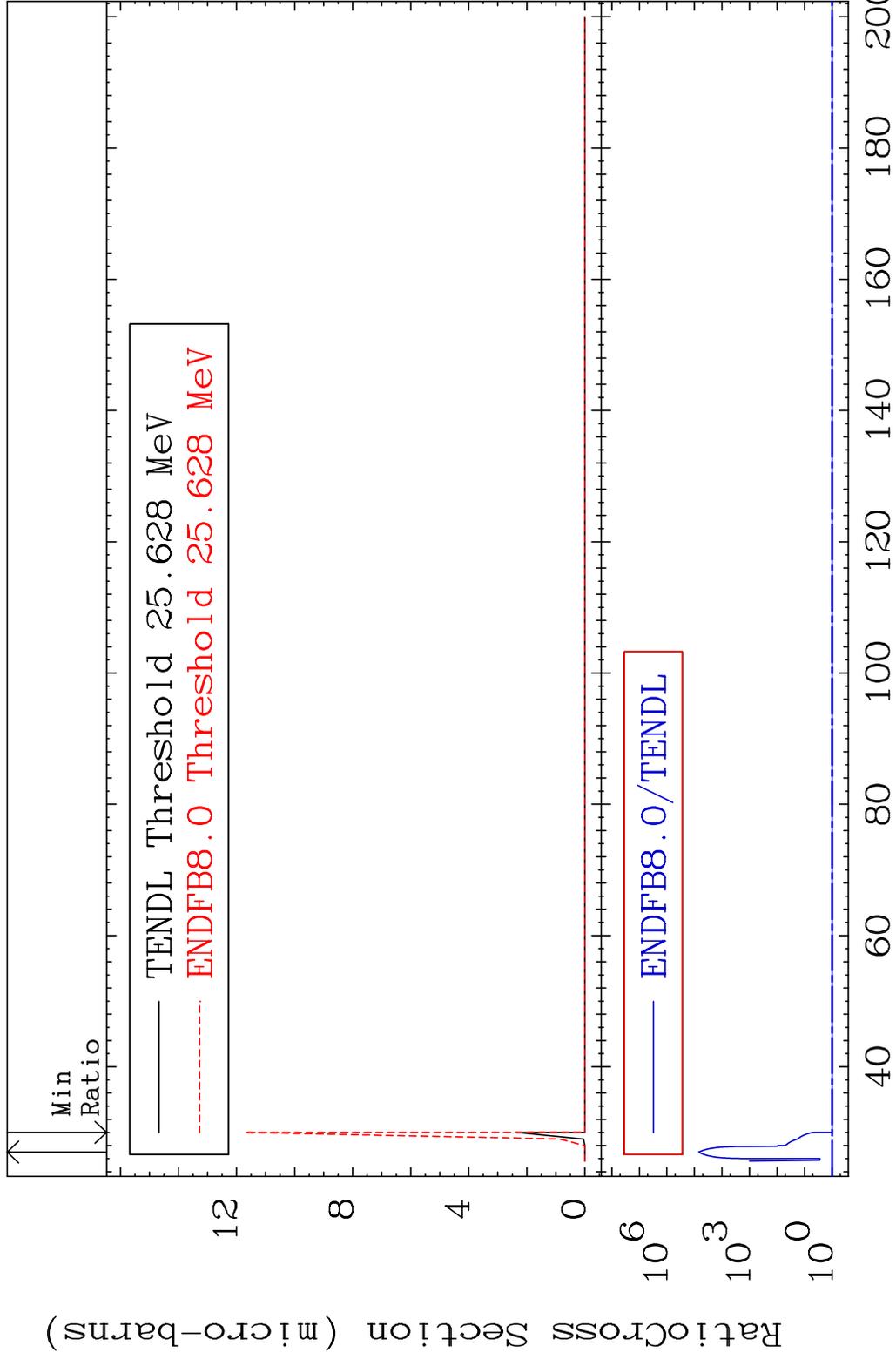


3

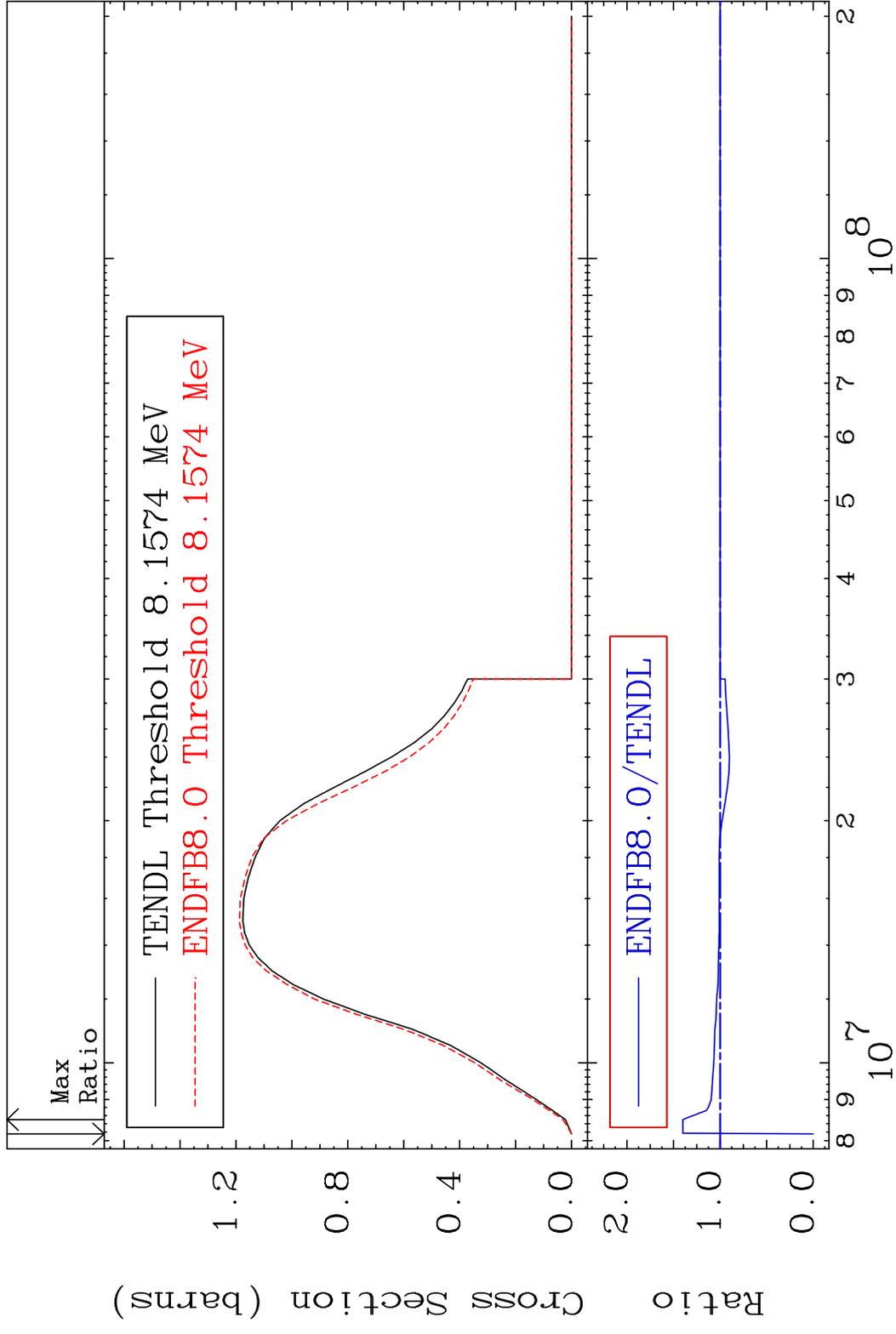
Incident Energy (eV)

42-Mo-93

MAT 4228 (n,2n) d 42-Mo-93
Cross Section 0.000 To 9999. %



MAT 4228 (n,2n) 42-Mo-93
 Cross Section -100.0 To 39.97 %



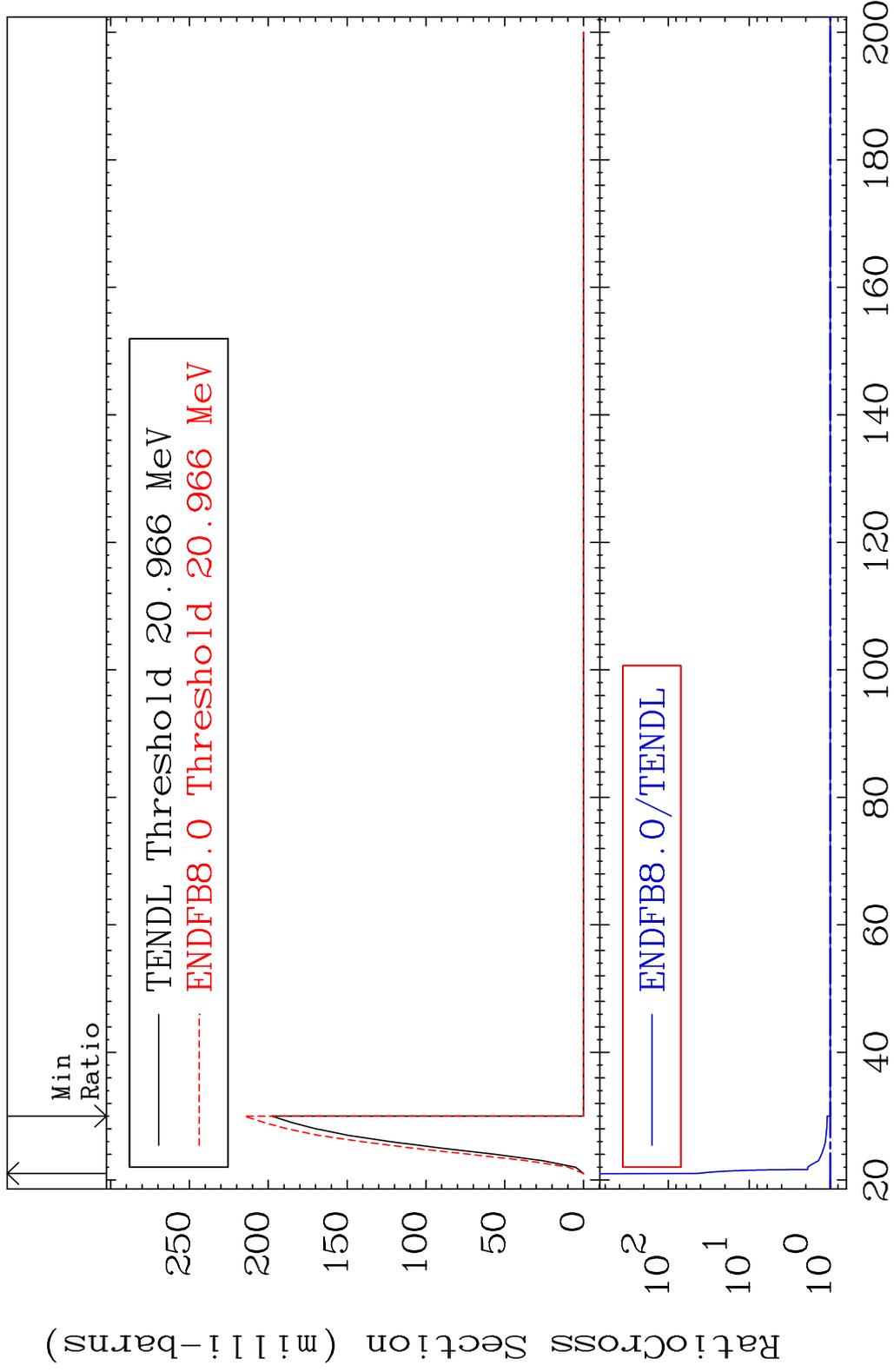
5 Incident Energy (eV) 42-Mo-93

MAT 4228

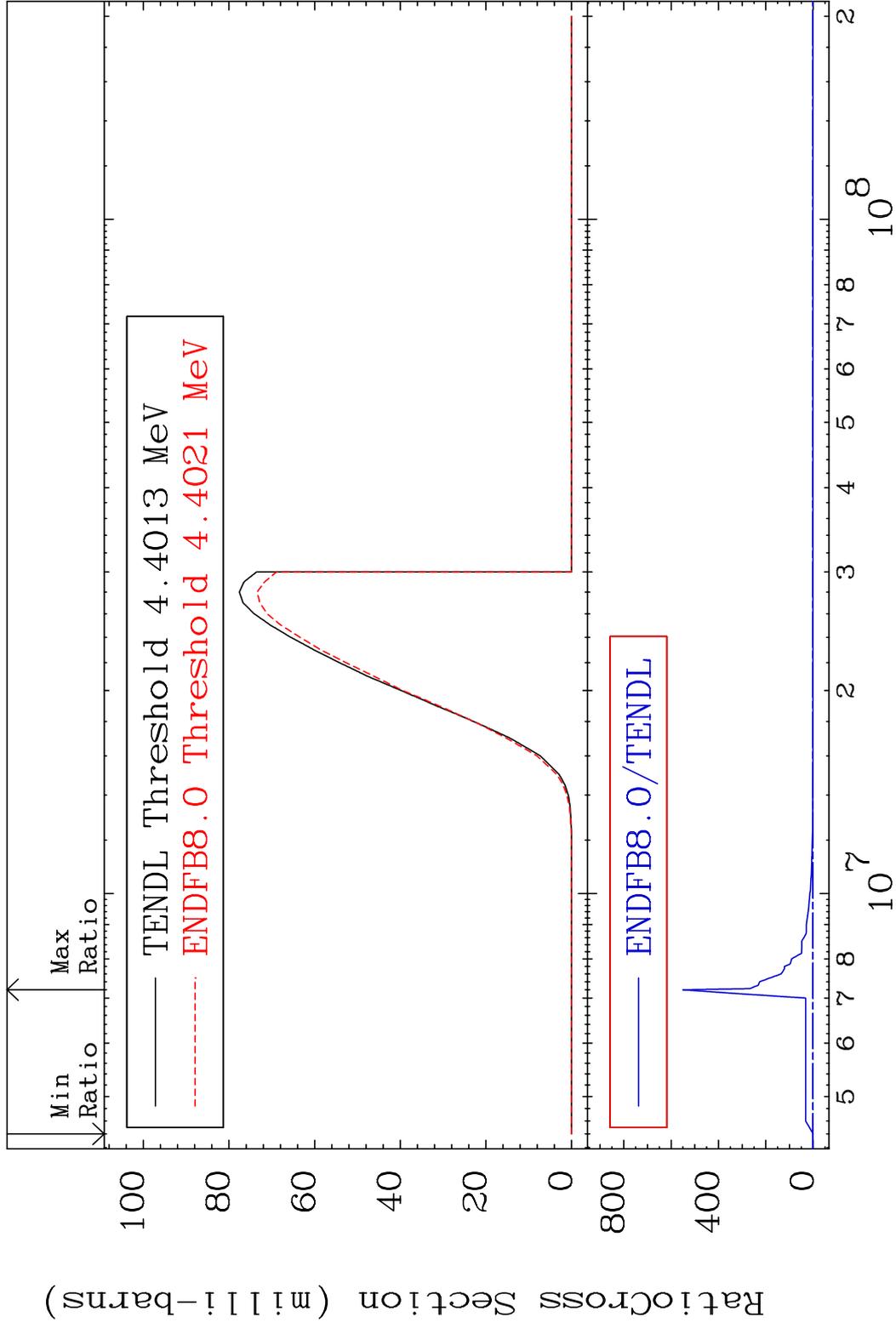
(n,3n)

42-Mo-93

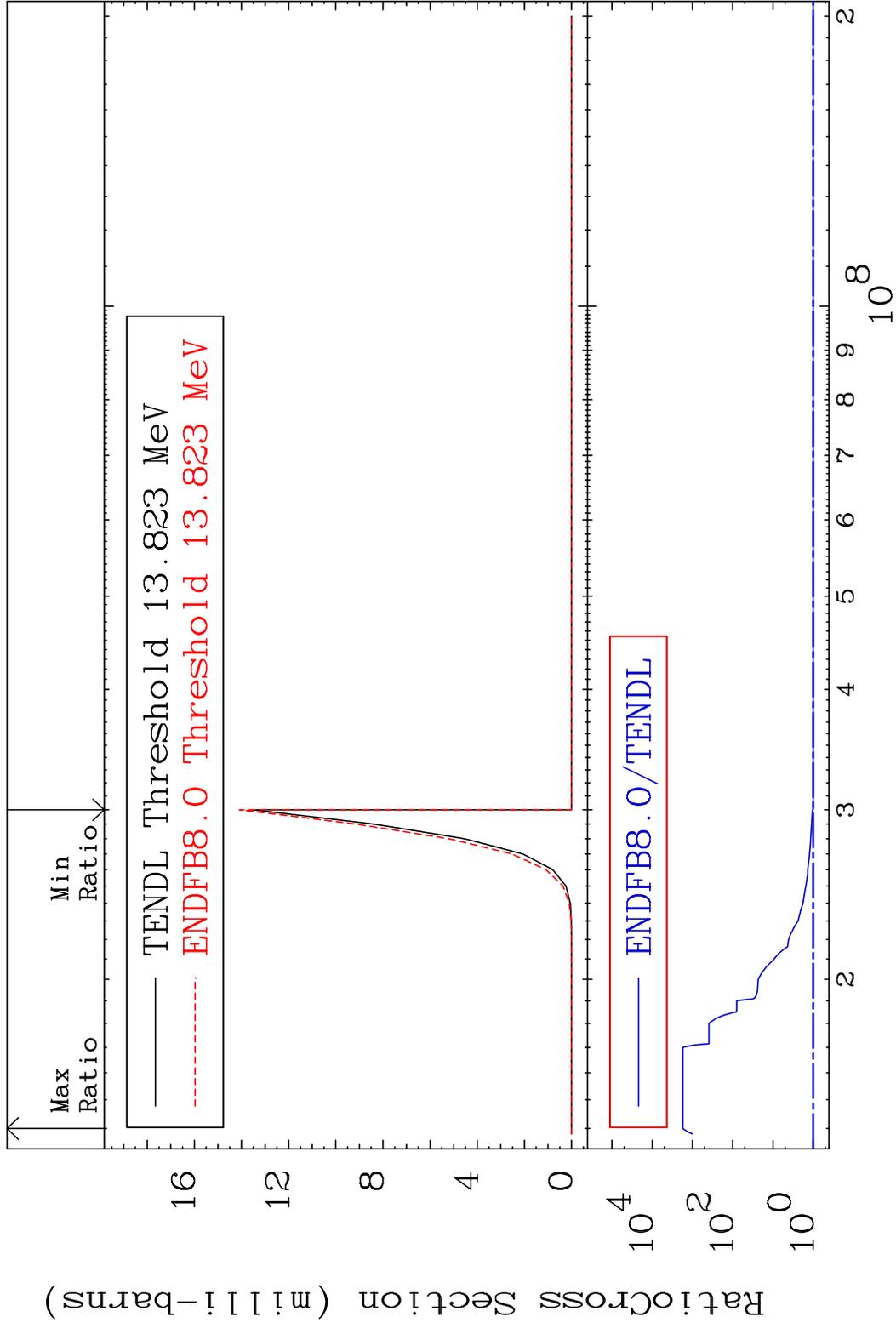
Cross Section 0.000 To 4295. %



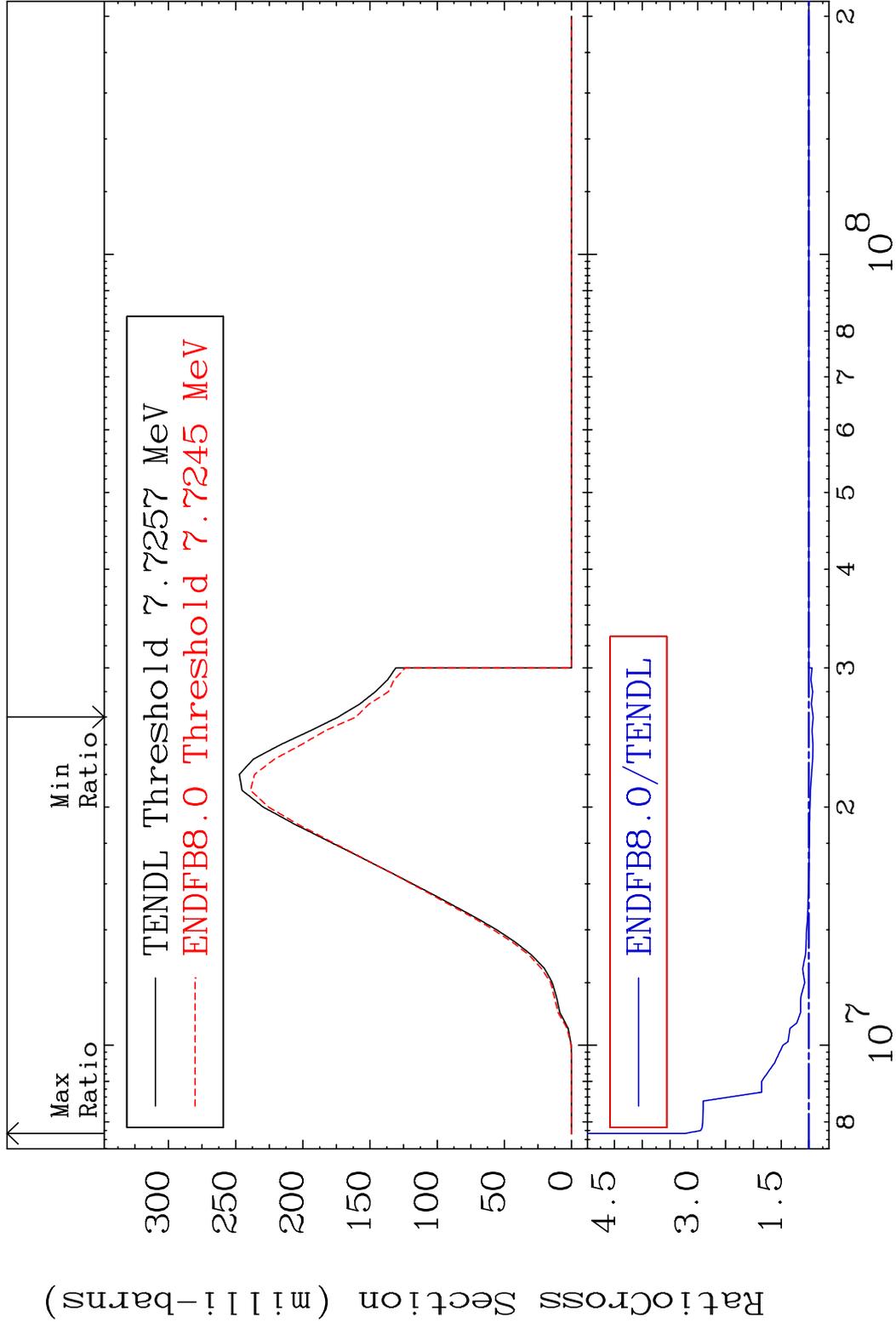
MAT 4228 (n, n') α 42-Mo-93
 Cross Section -100.0 To 9999. %



MAT 4228 (n,2n) α 42-Mo-93
 Cross Section 0.000 To 9999. %



MAT 4228 (n, n') p 42-Mo-93
 Cross Section -7.536 To 226.9 %

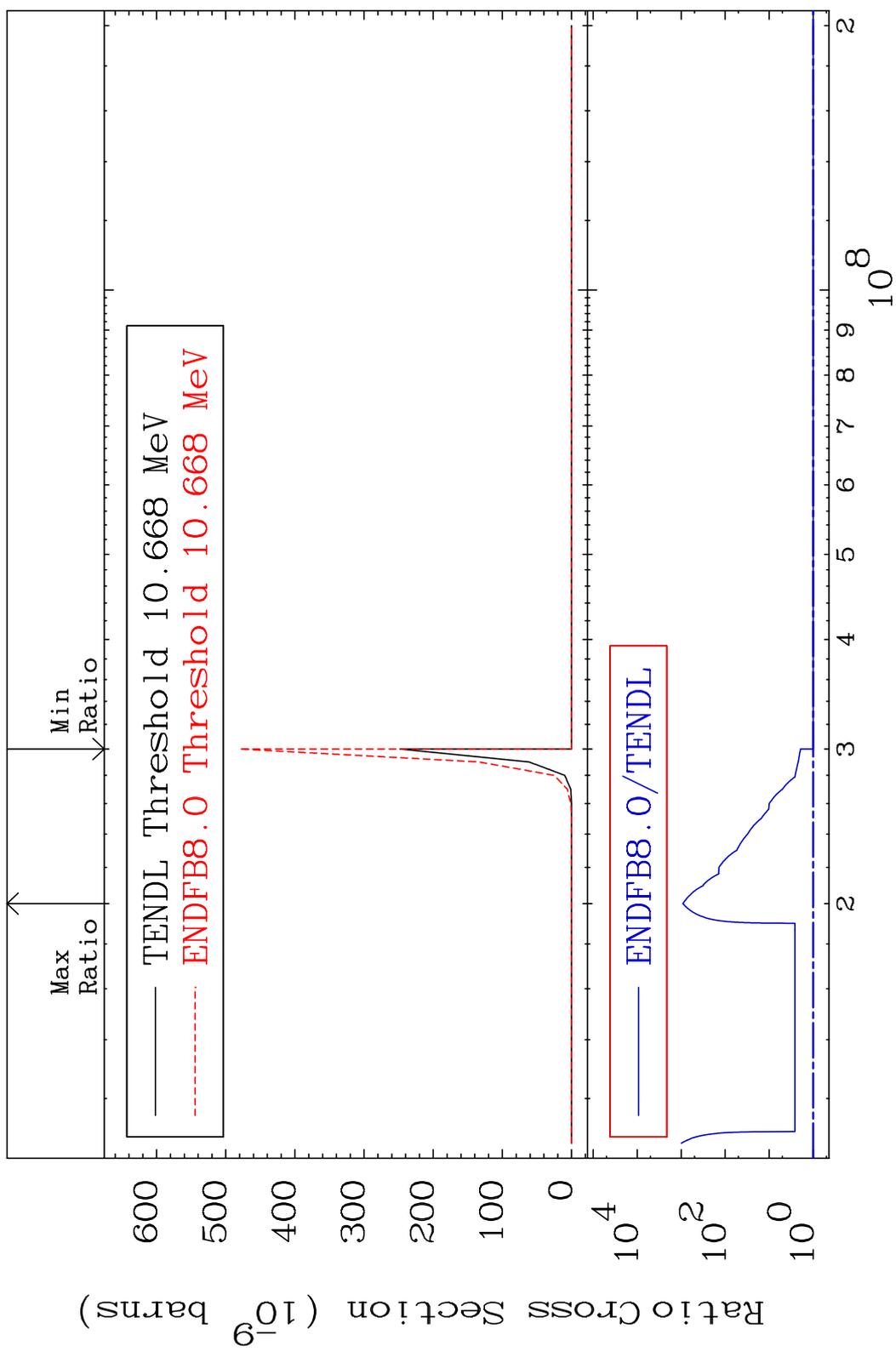


MAT 4228

(n, n') 2α

42-Mo-93

Cross Section 0.000 To 9999. %



10

Incident Energy (eV)

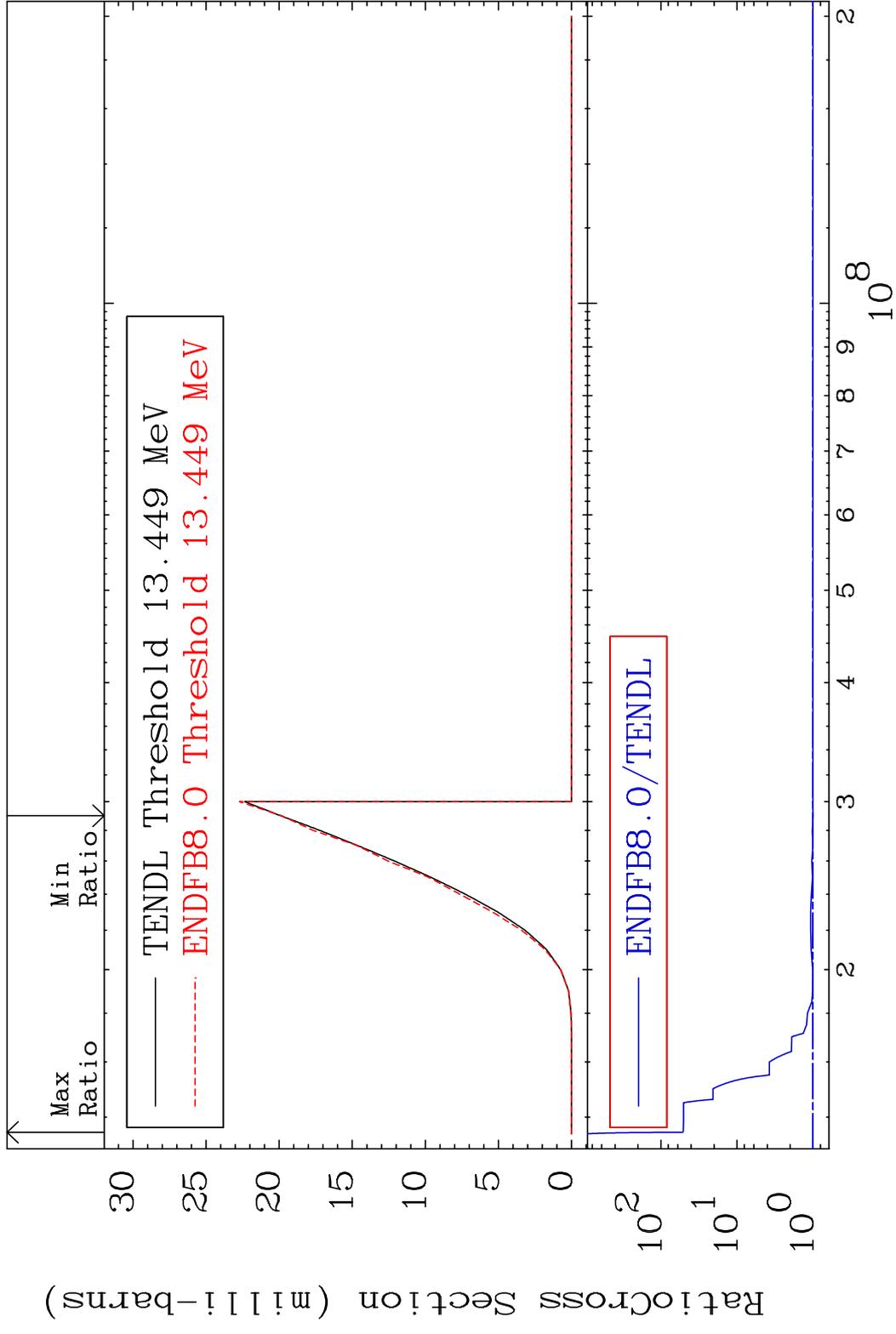
42-Mo-93

MAT 4228

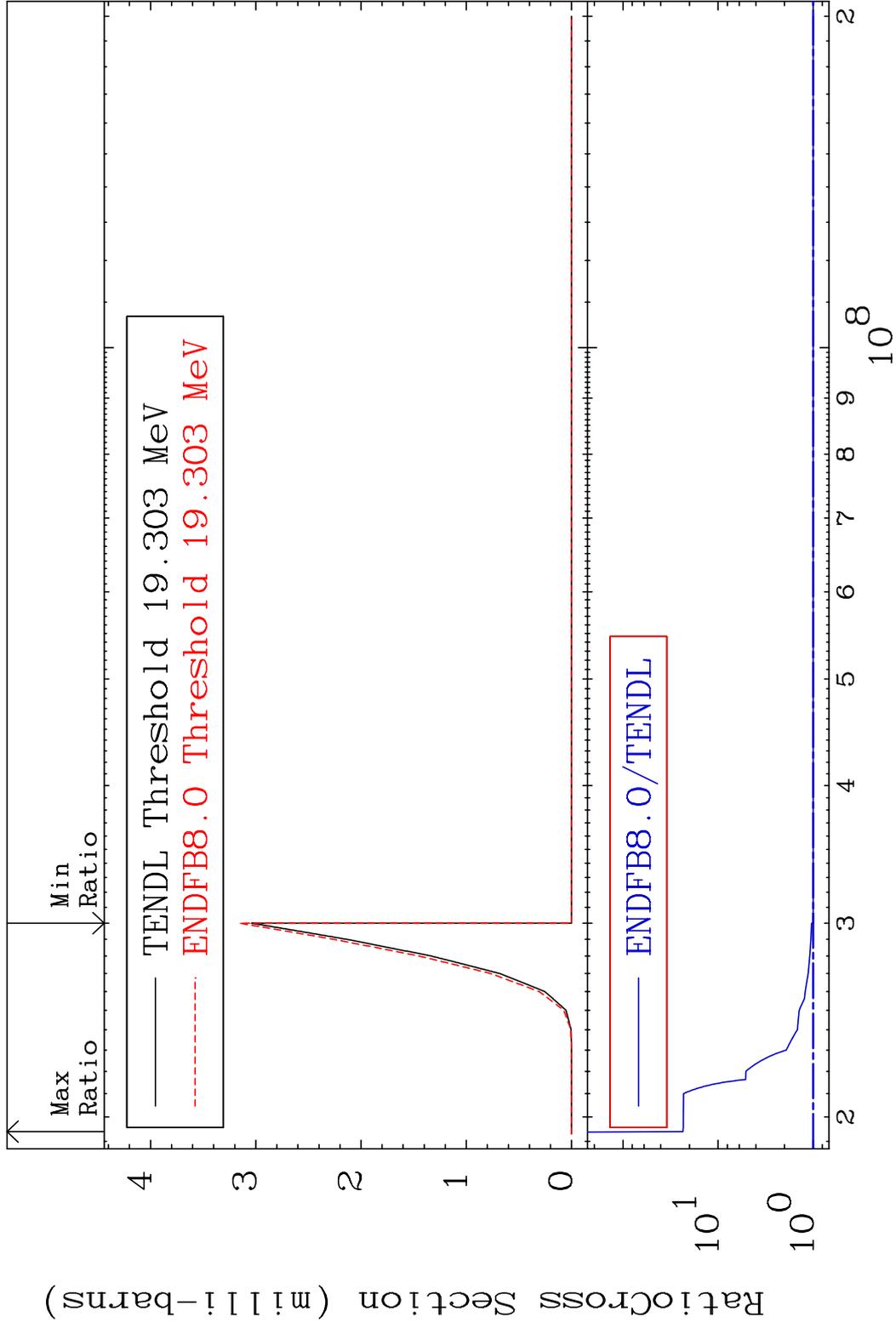
(n, n') d

42-Mo-93

Cross Section -0.308 To 5044. %



MAT 4228 (n, n') t 42-Mo-93
 Cross Section 0.000 To 2248. %



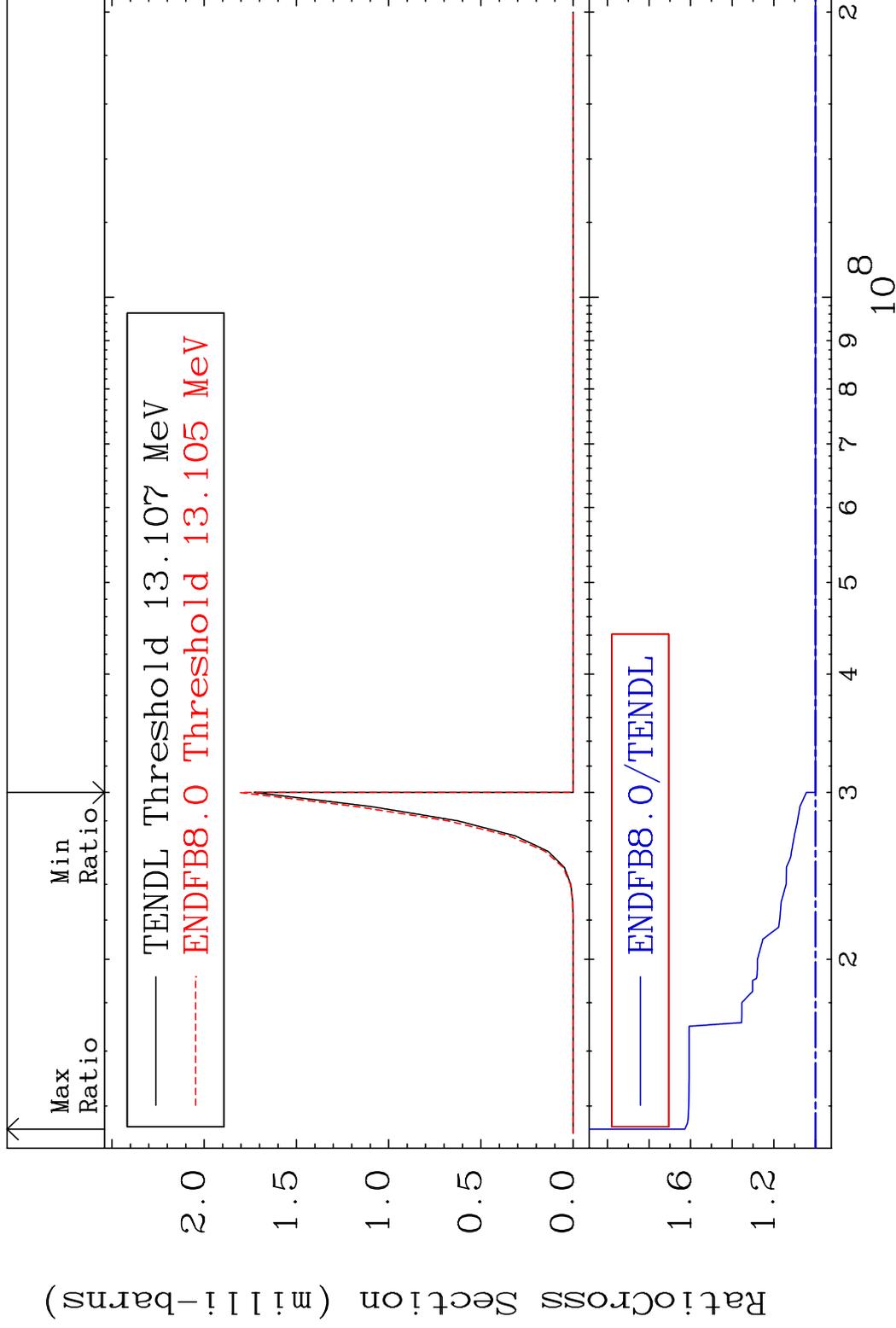
12 Incident Energy (eV) 42-Mo-93

MAT 4228

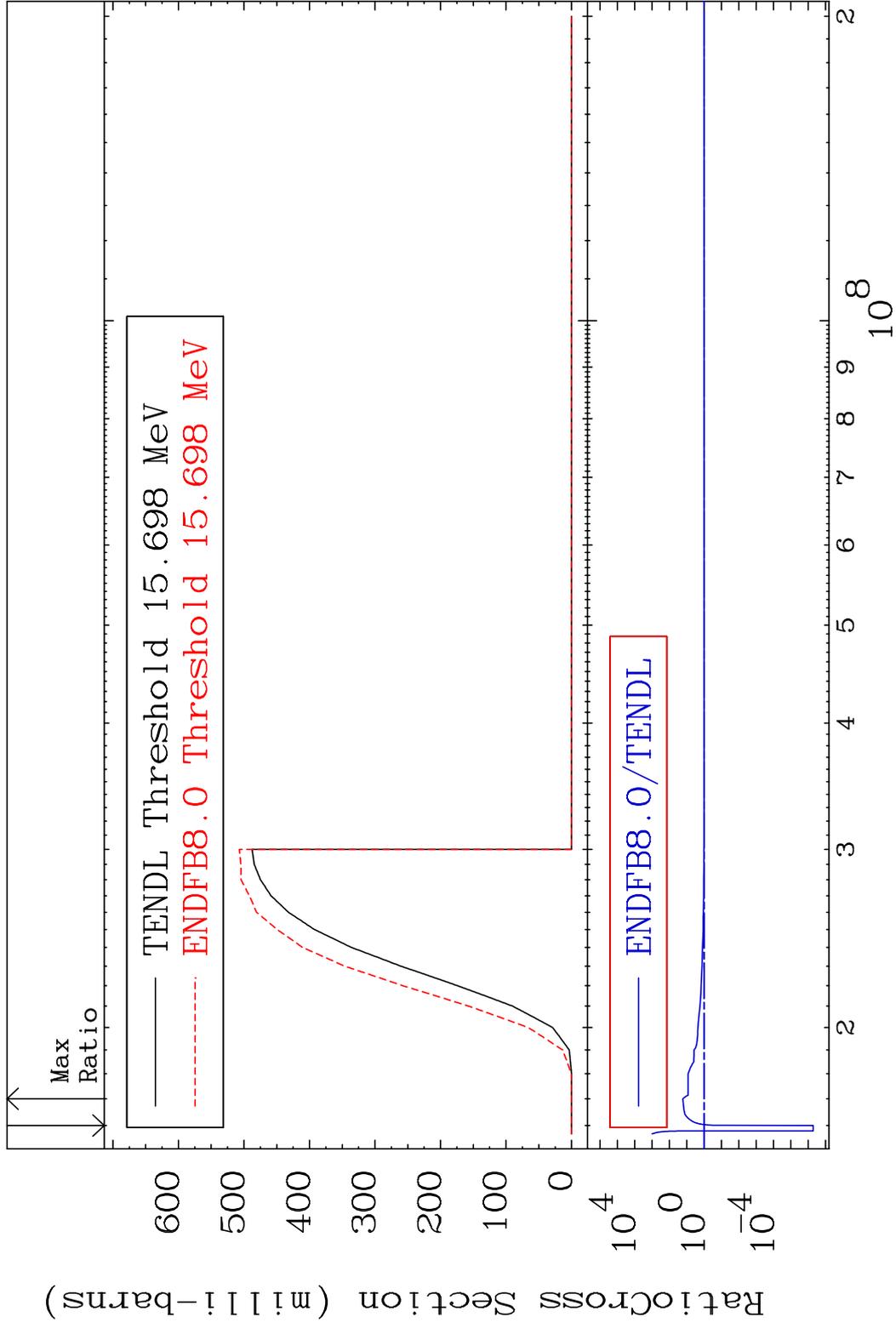
(n,n') He-3

42-Mo-93

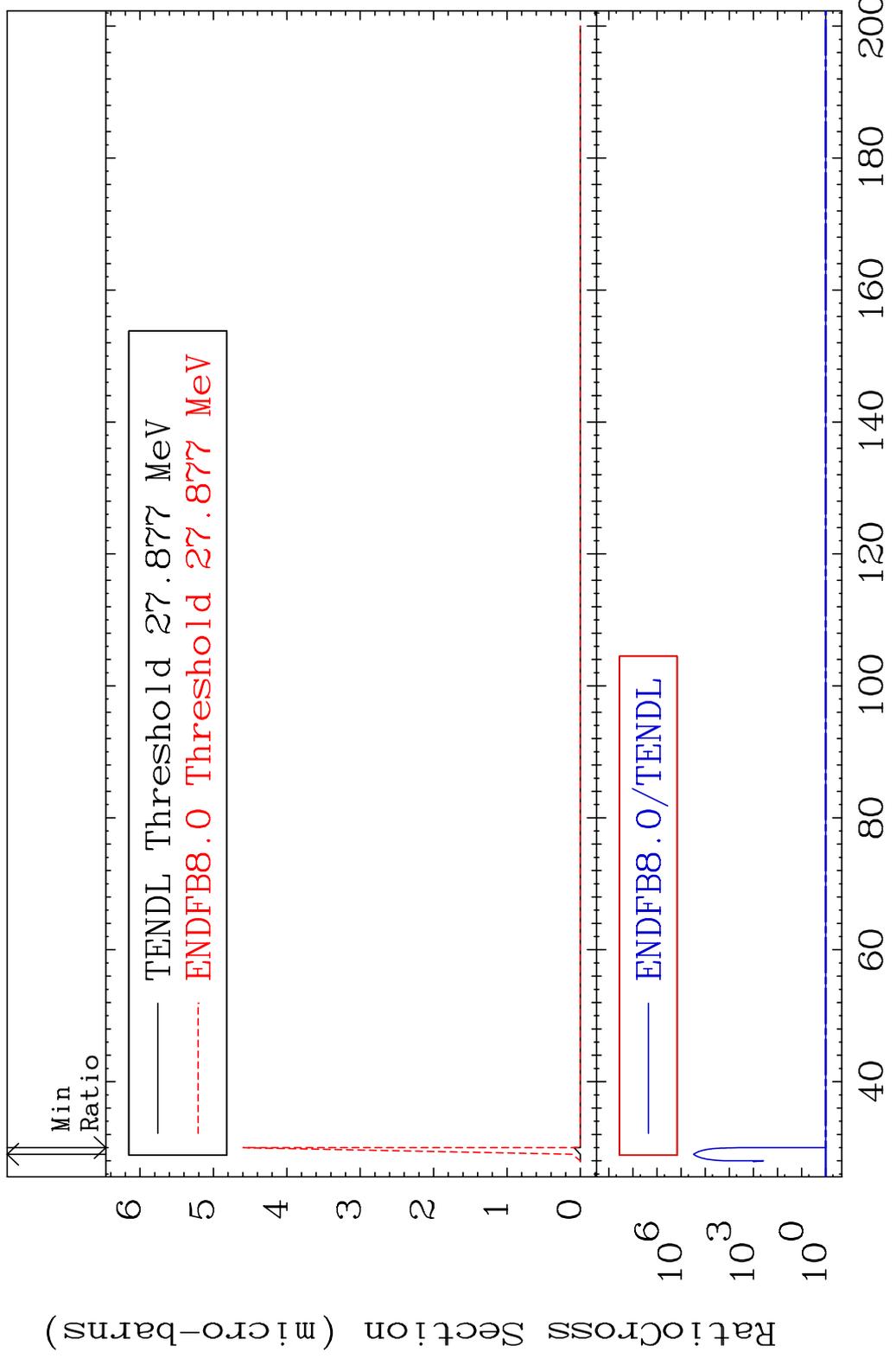
Cross Section 0.000 To 62.82 %



MAT 4228 (n,2n) p 42-Mo-93
 Cross Section -100.0 To 1588. %



MAT 4228 (n,3n) p 42-Mo-93
 Cross Section 0.000 To 9999. %

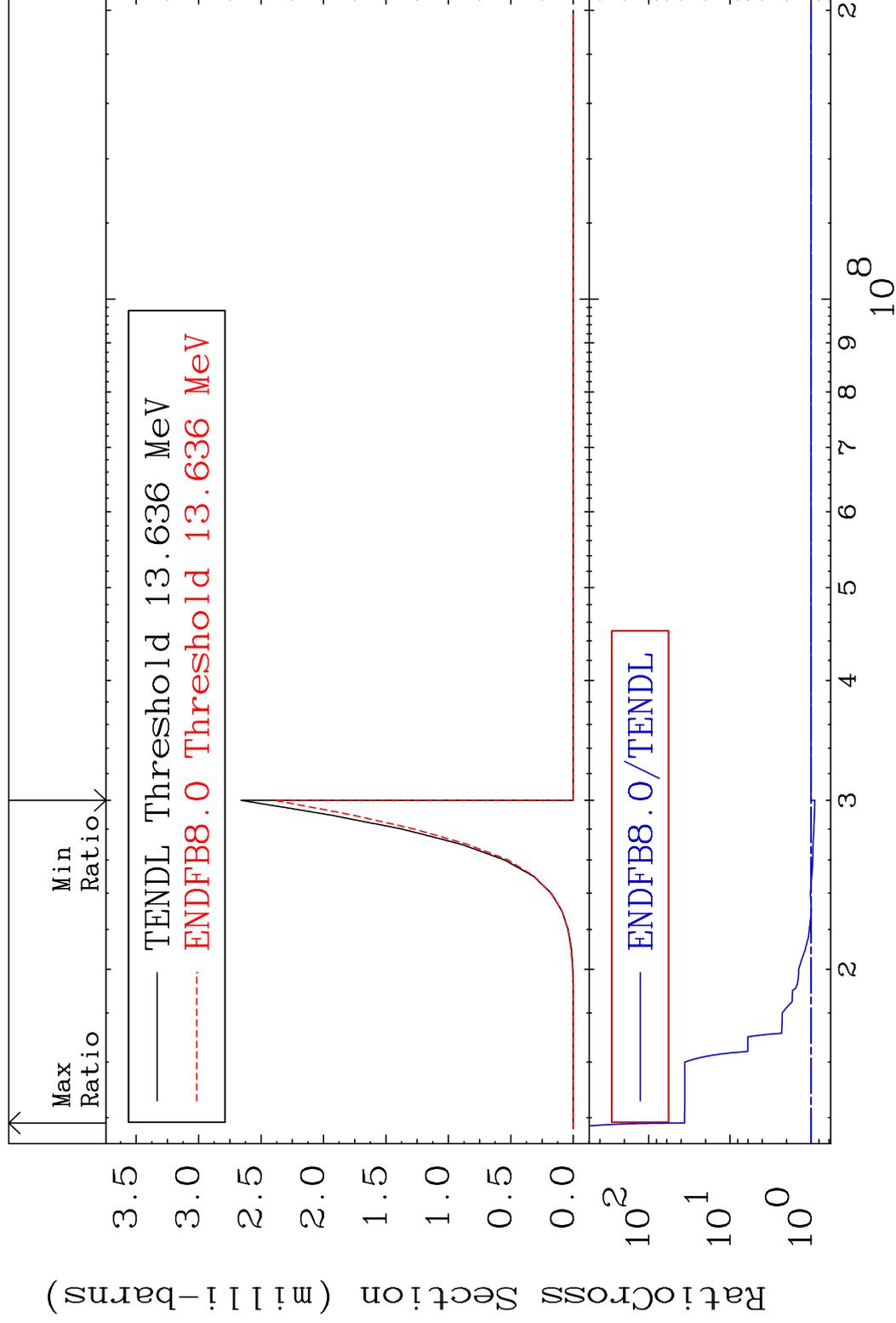


MAT 4228

(n,2n) p

42-Mo-93

Cross Section -10.07 To 3523. %

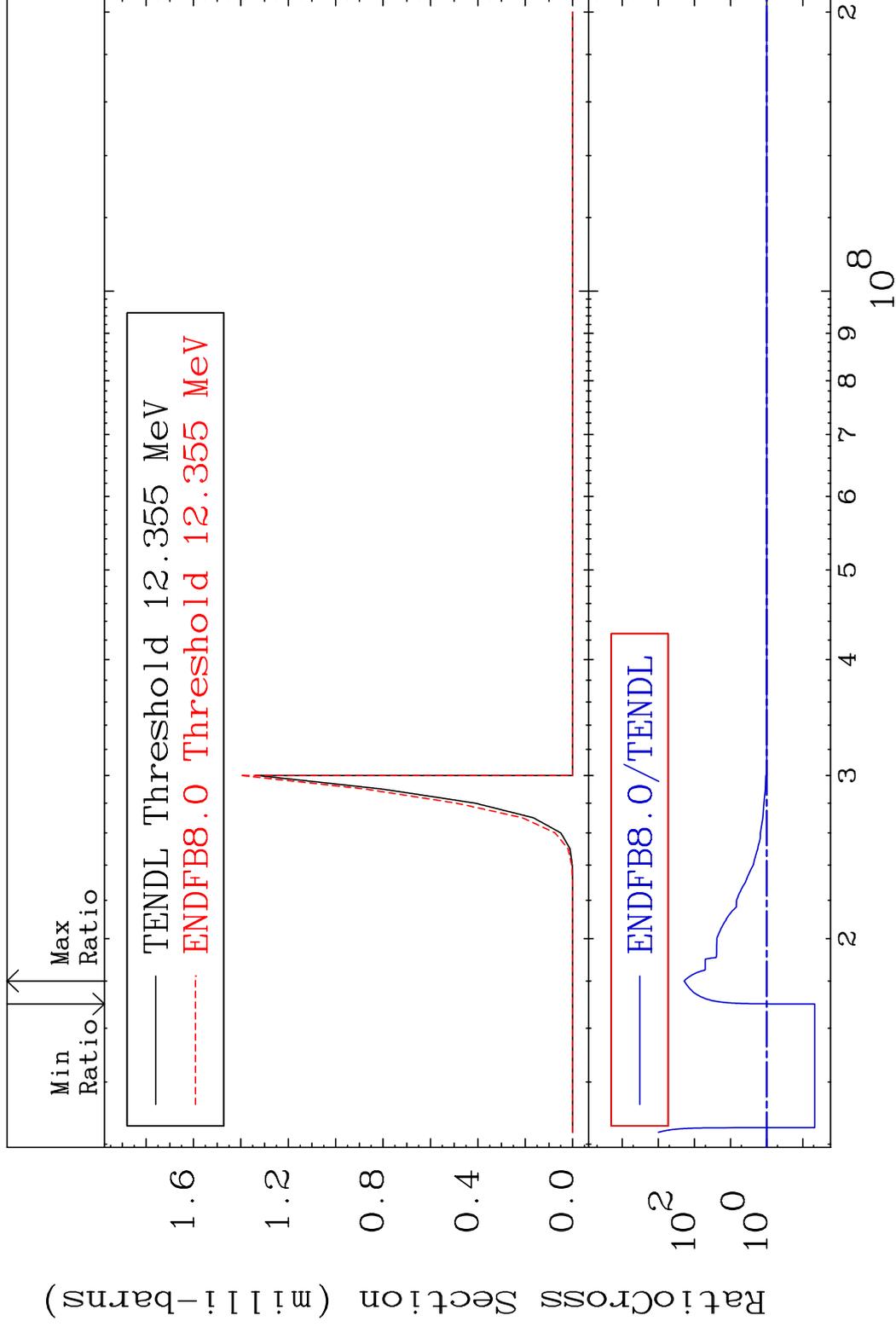


MAT 4228

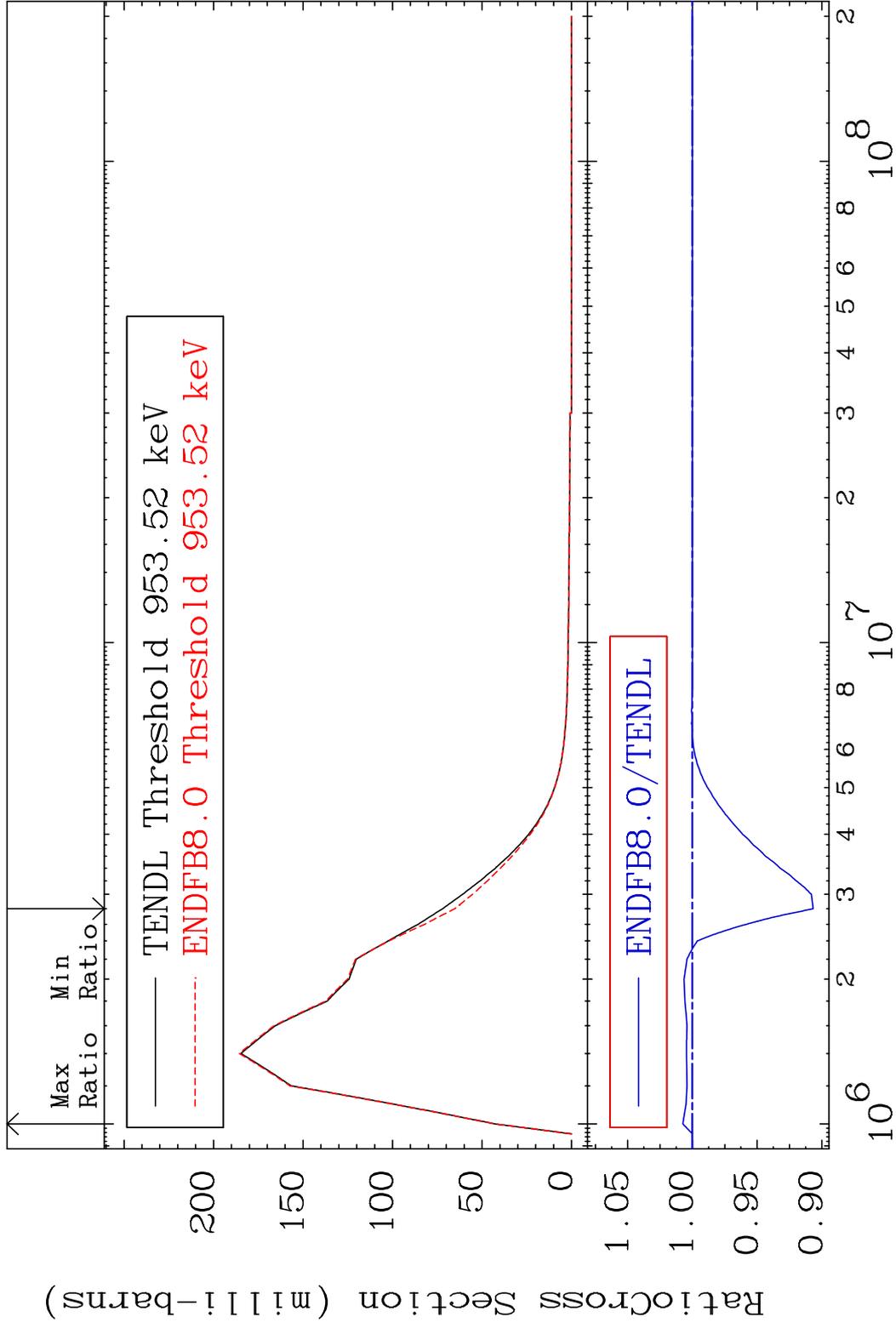
(n,n') p α

42-Mo-93

Cross Section -95.32 To 9999. %

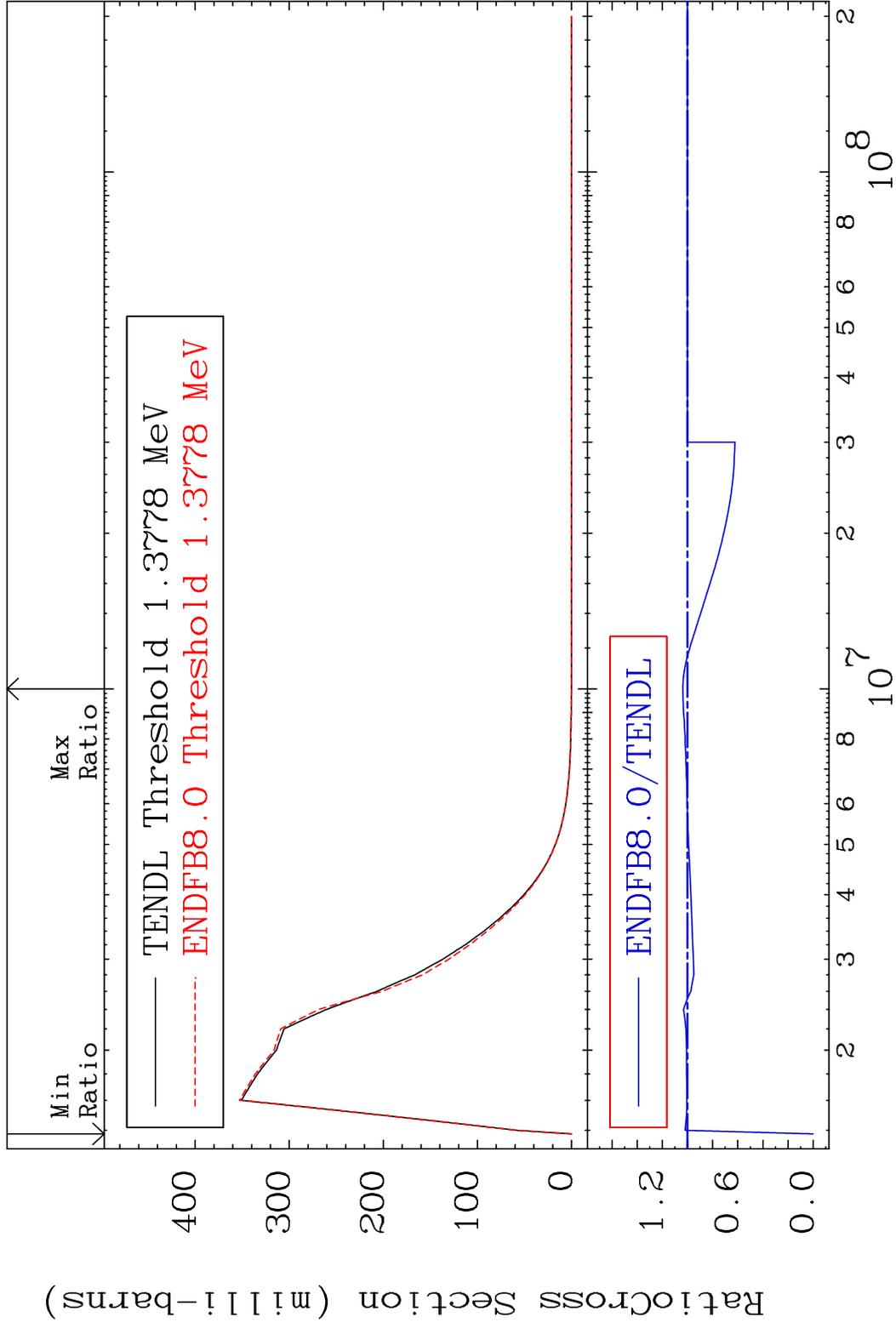


MAT 4228 MT= 51 (n,n') Level 42-Mo-93
 Cross Section -9.331 To 0.742 %

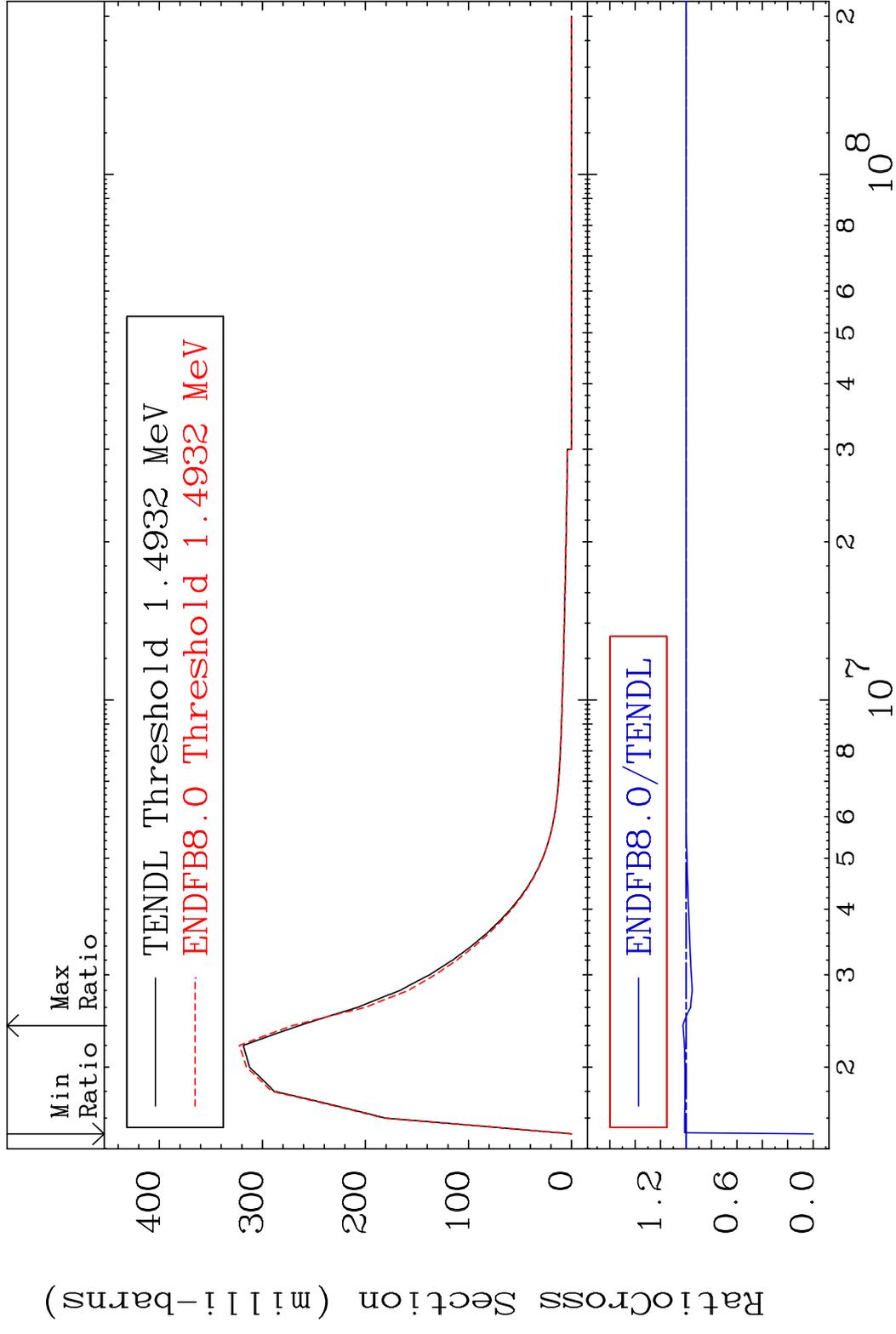


18 Incident Energy (eV) 42-Mo-93

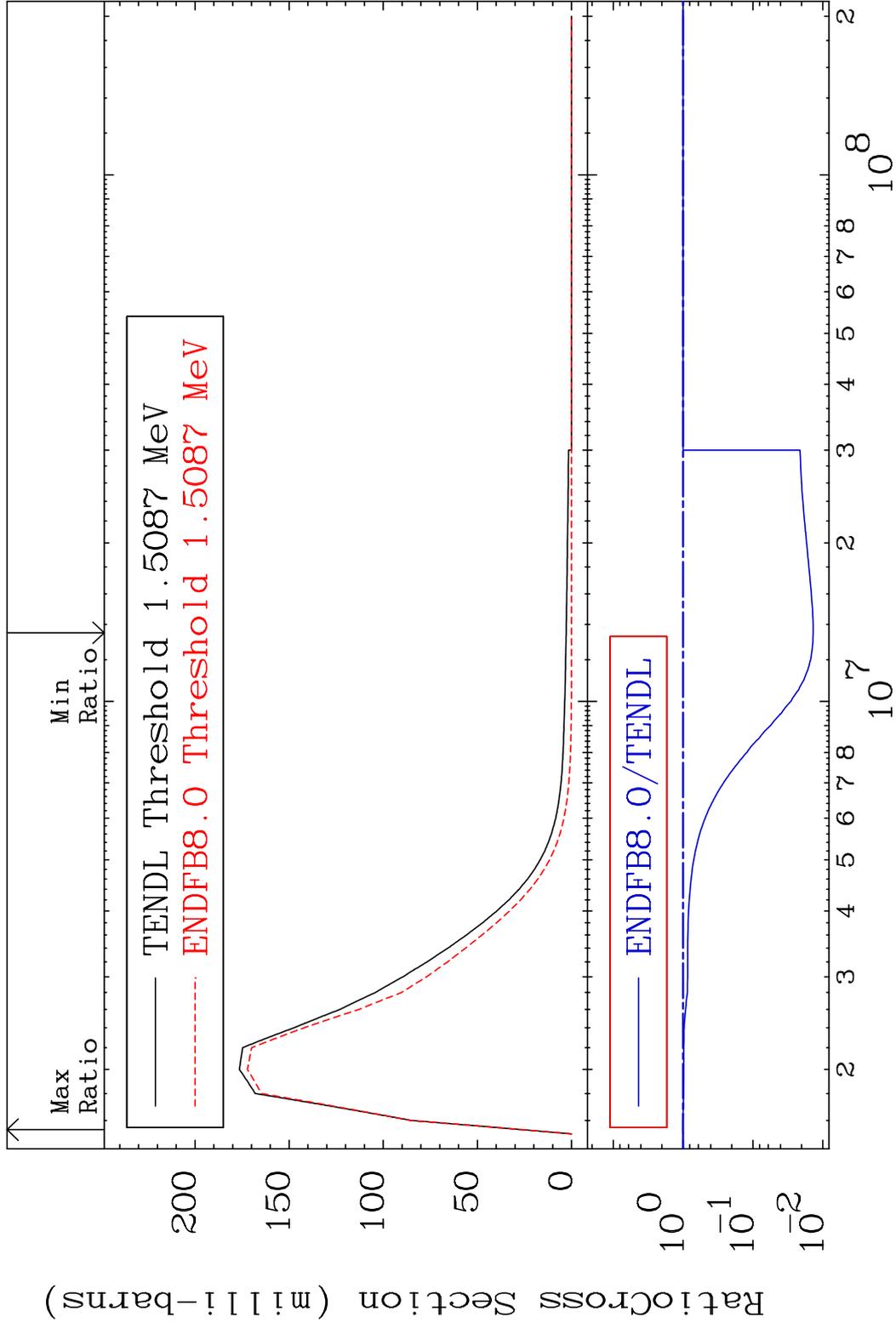
MAT 4228 MT= 52 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 3.708 %



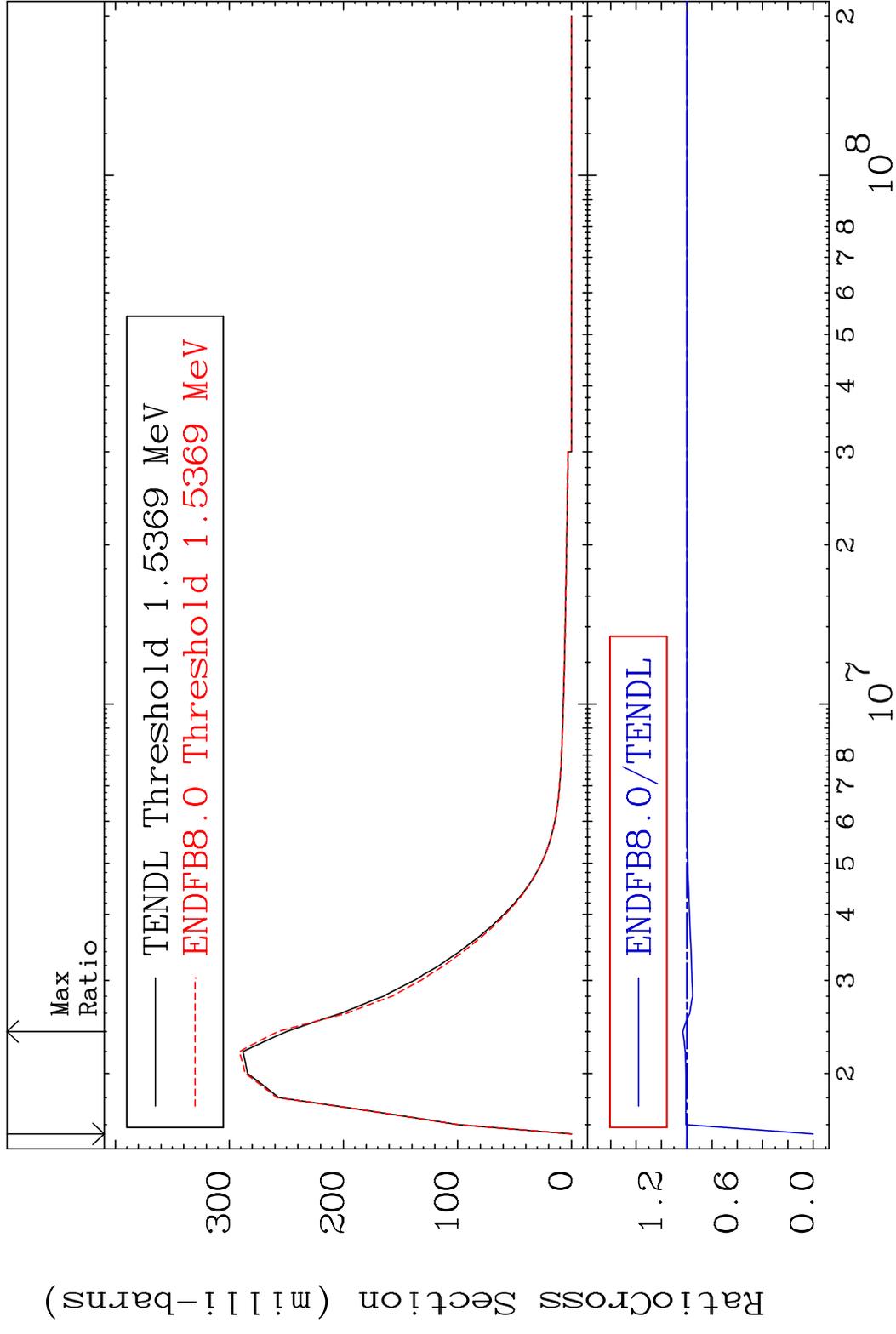
MAT 4228 MT= 53 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 2.510 %



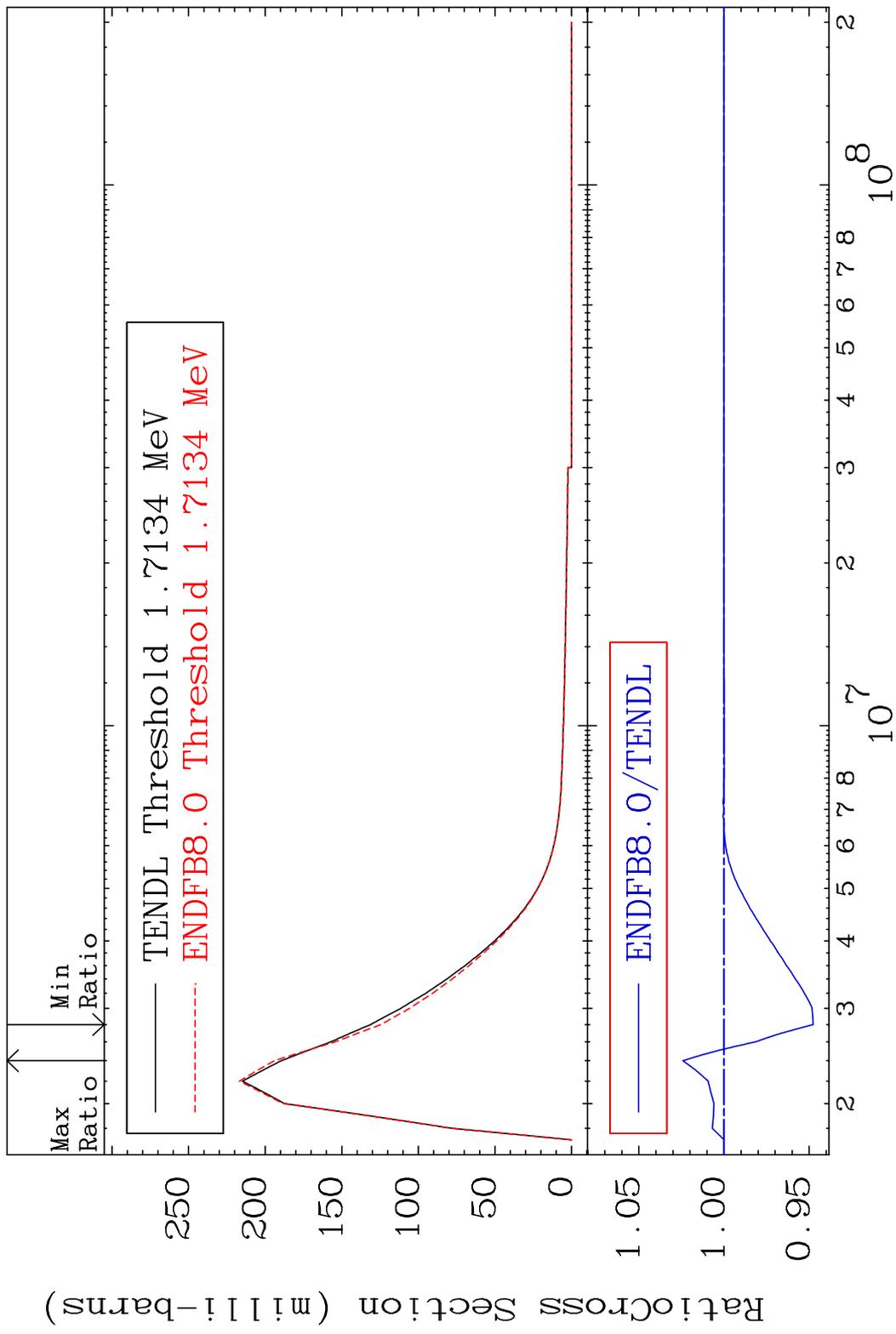
MAT 4228 MT= 54 (n, n') Level 42-Mo-93
 Cross Section -98.63 To 0.540 %



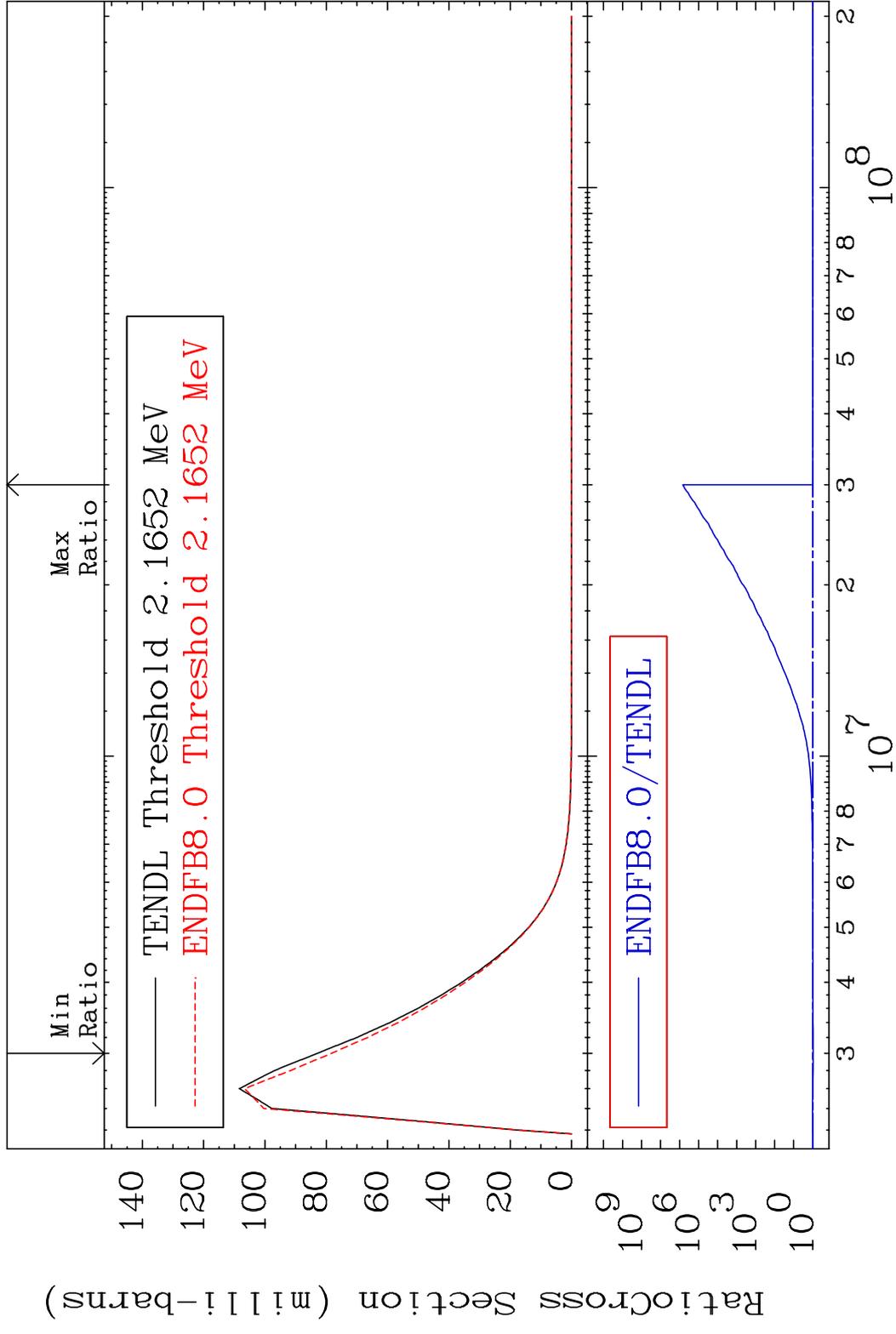
MAT 4228 MT= 55 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 3.061 %



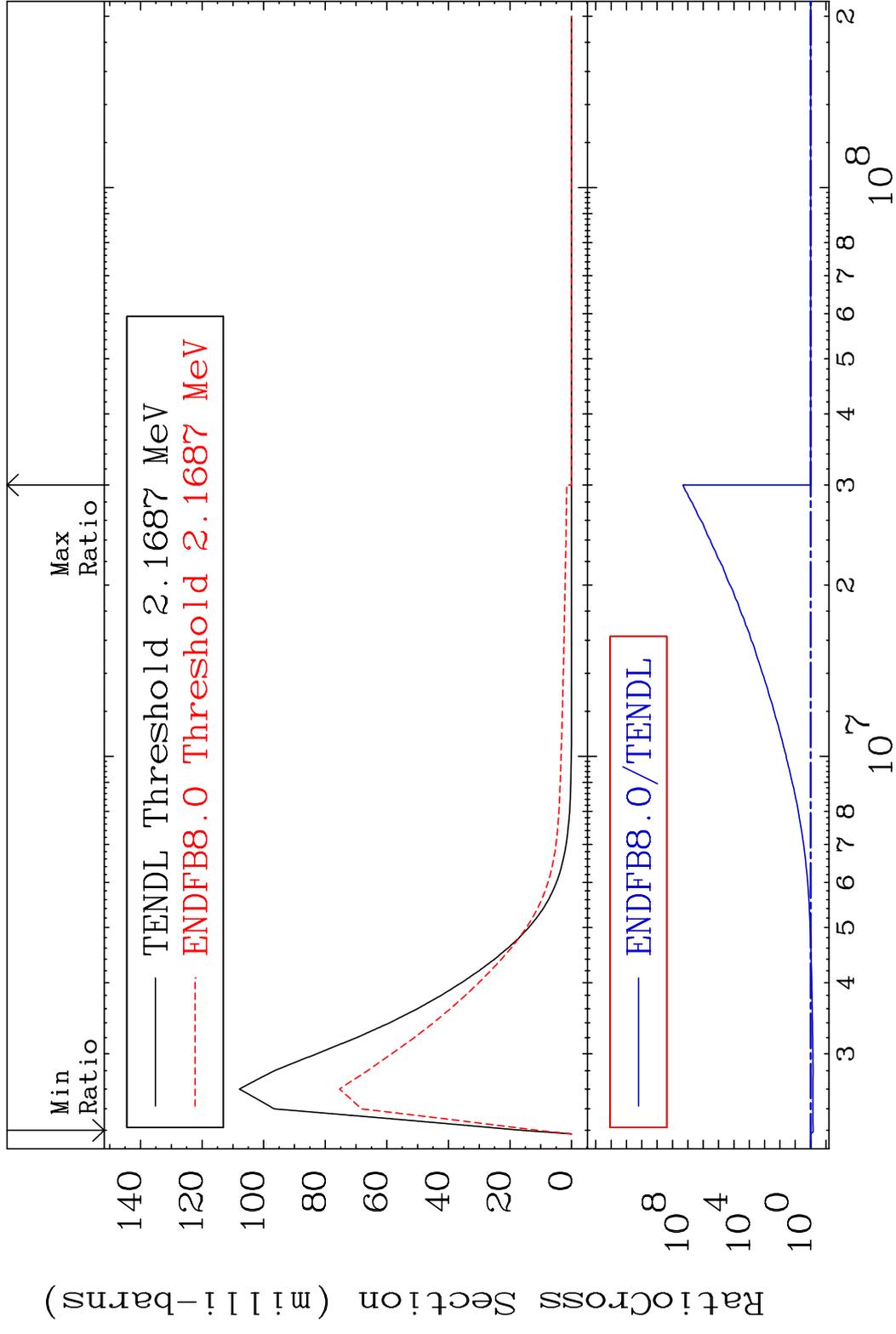
MAT 4228 MT= 56 (n,n') Level 42-Mo-93
 Cross Section -5.233 To 2.420 %



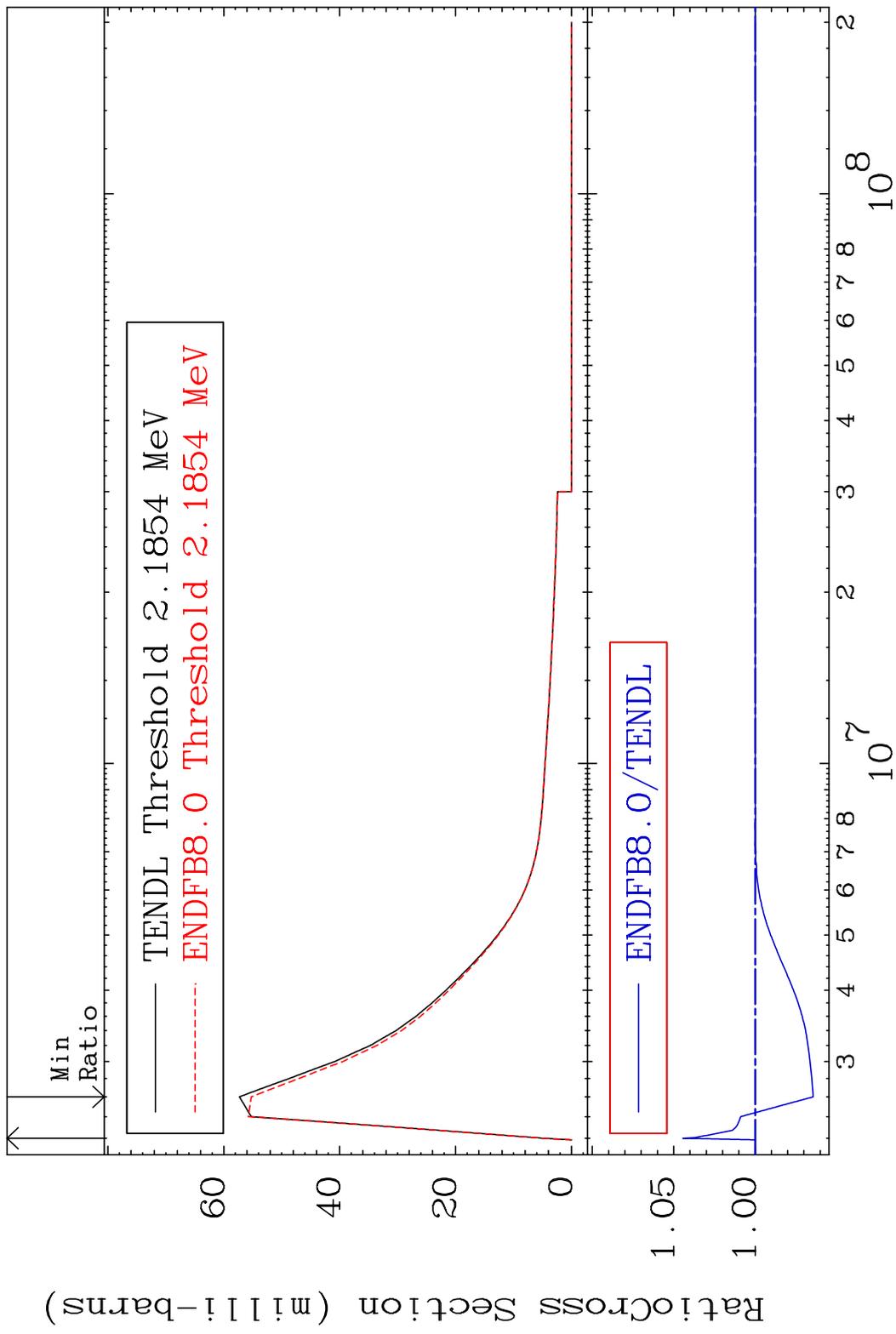
MAT 4228 MT= 57 (n, n') Level 42-Mo-93
 Cross Section -5.491 To 9999. %



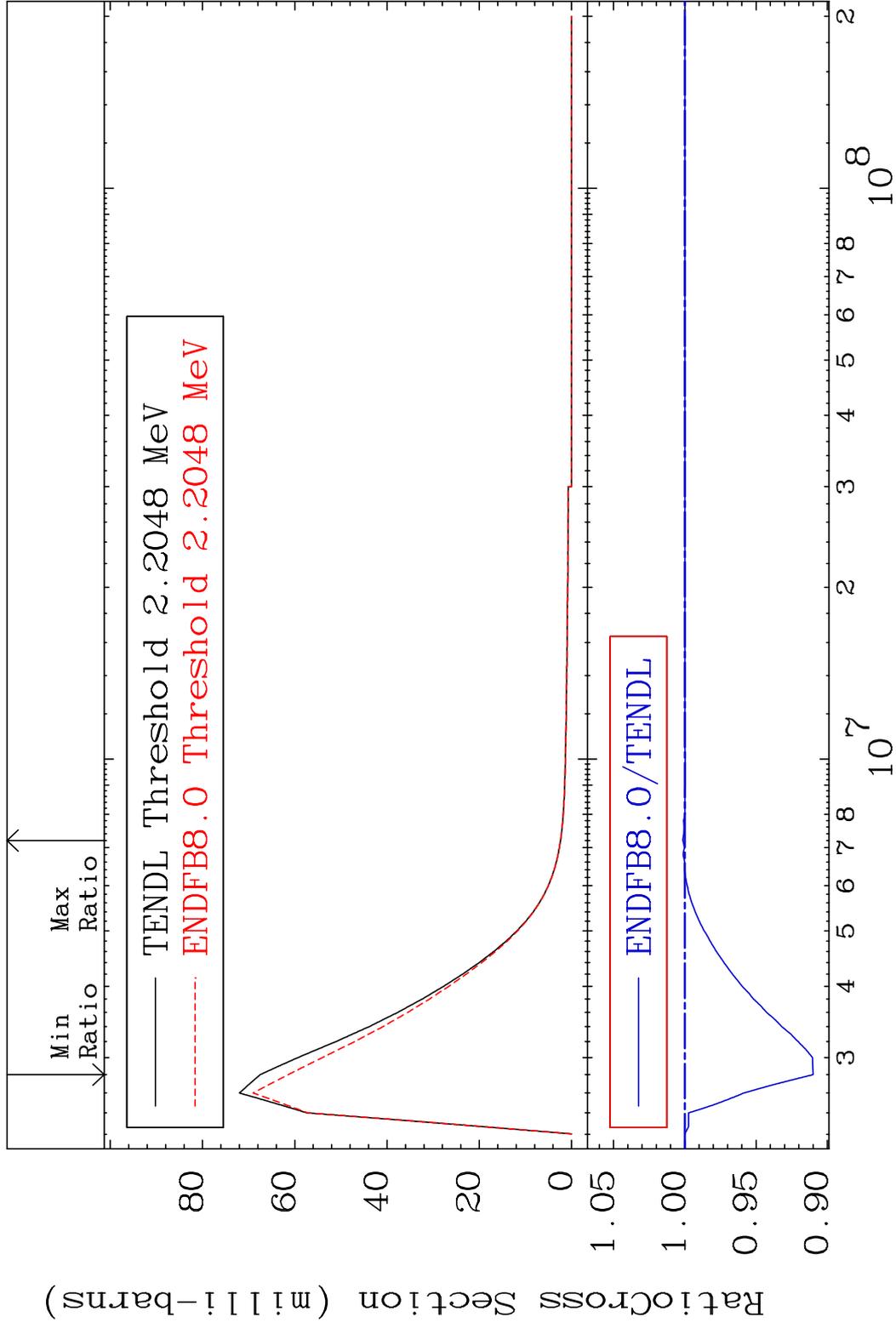
MAT 4228 MT= 58 (n, n') Level 42-Mo-93
 Cross Section -31.59 To 9999. %



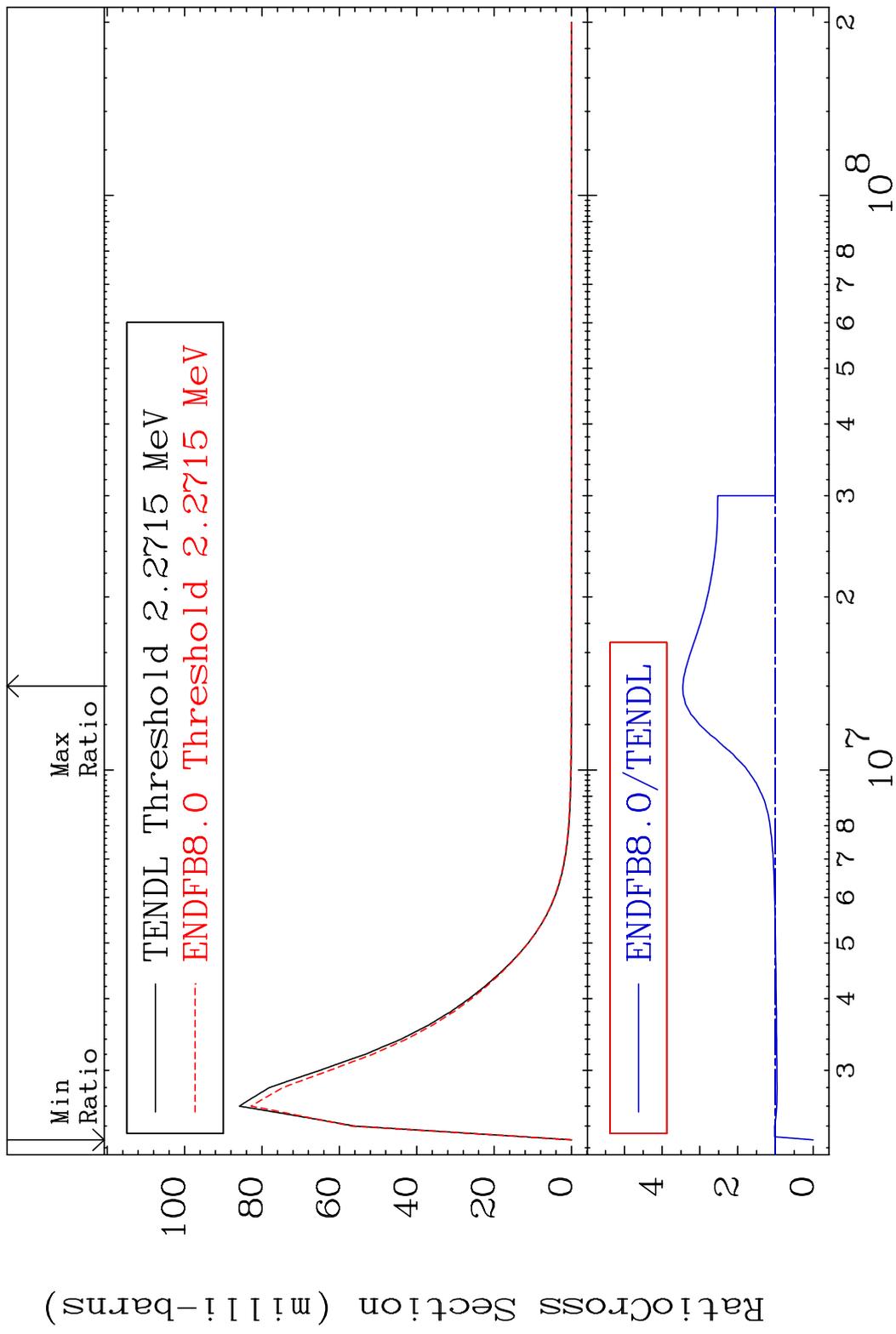
MAT 4228 MT= 59 (n,n') Level 42-Mo-93
 Cross Section -3.565 To 4.441 %



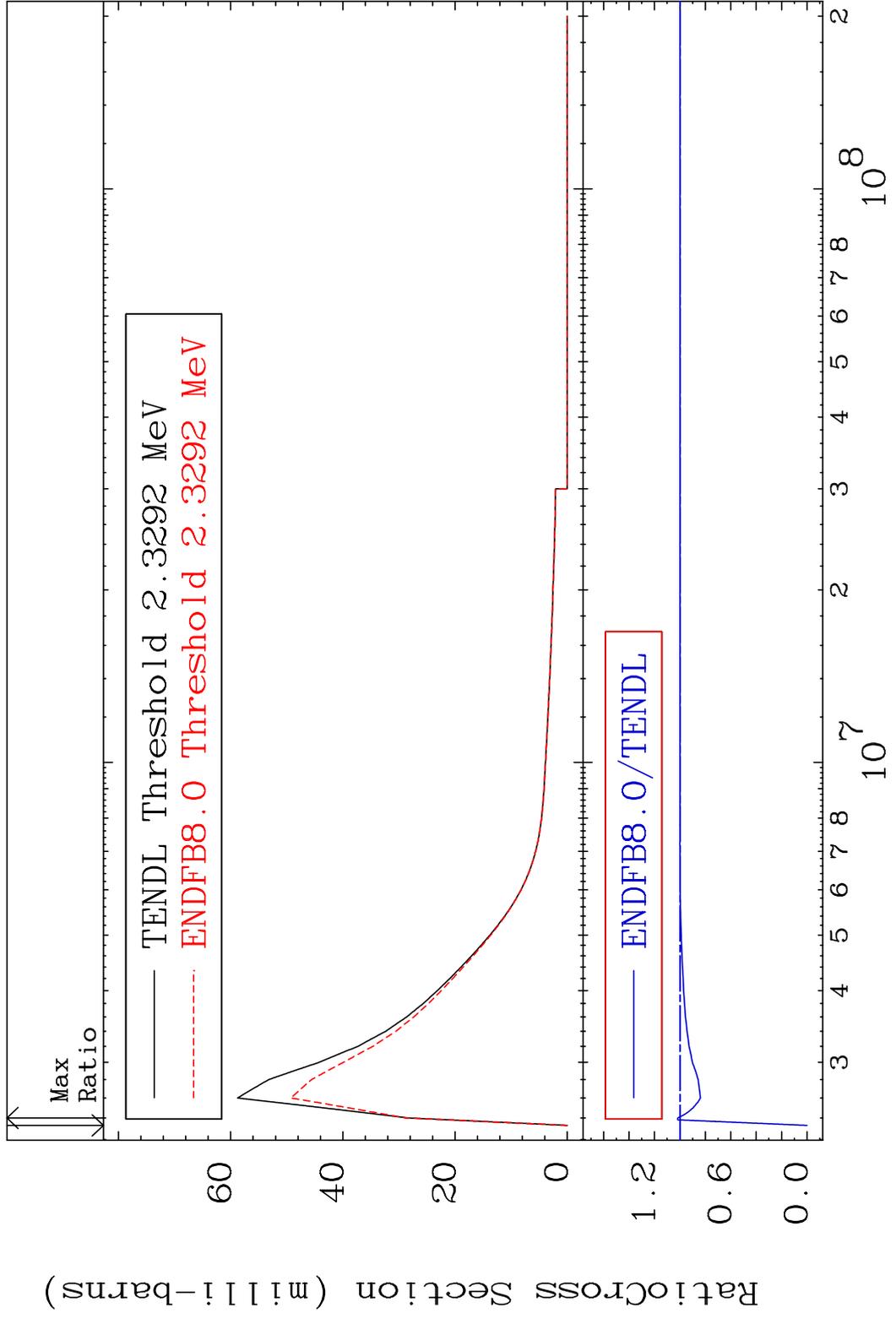
MAT 4228 MT= 60 (n,n') Level 42-Mo-93
 Cross Section -9.004 To 0.140 %



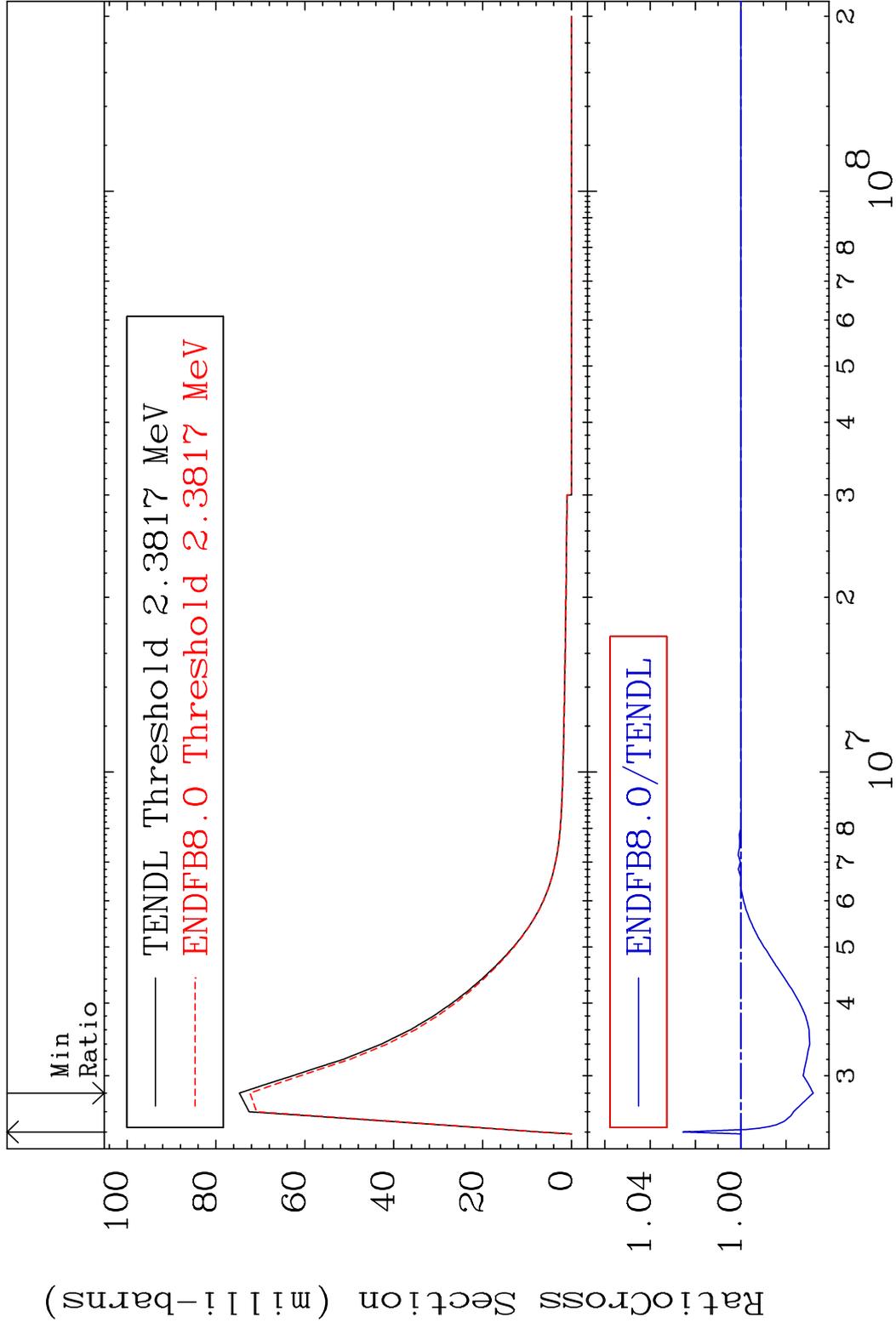
MAT 4228 MT= 61 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 245.1 %



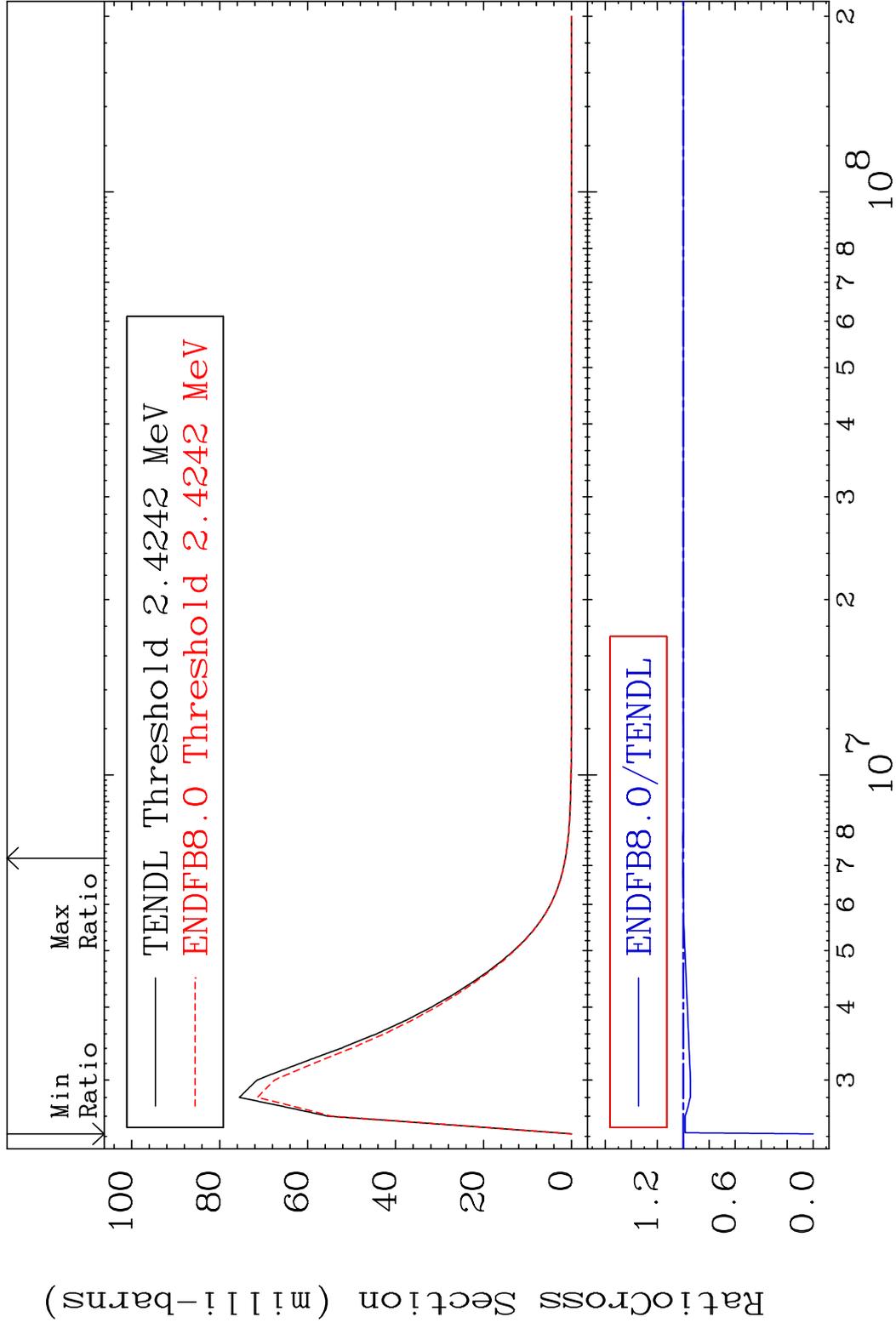
MAT 4228 MT= 62 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 1.737 %



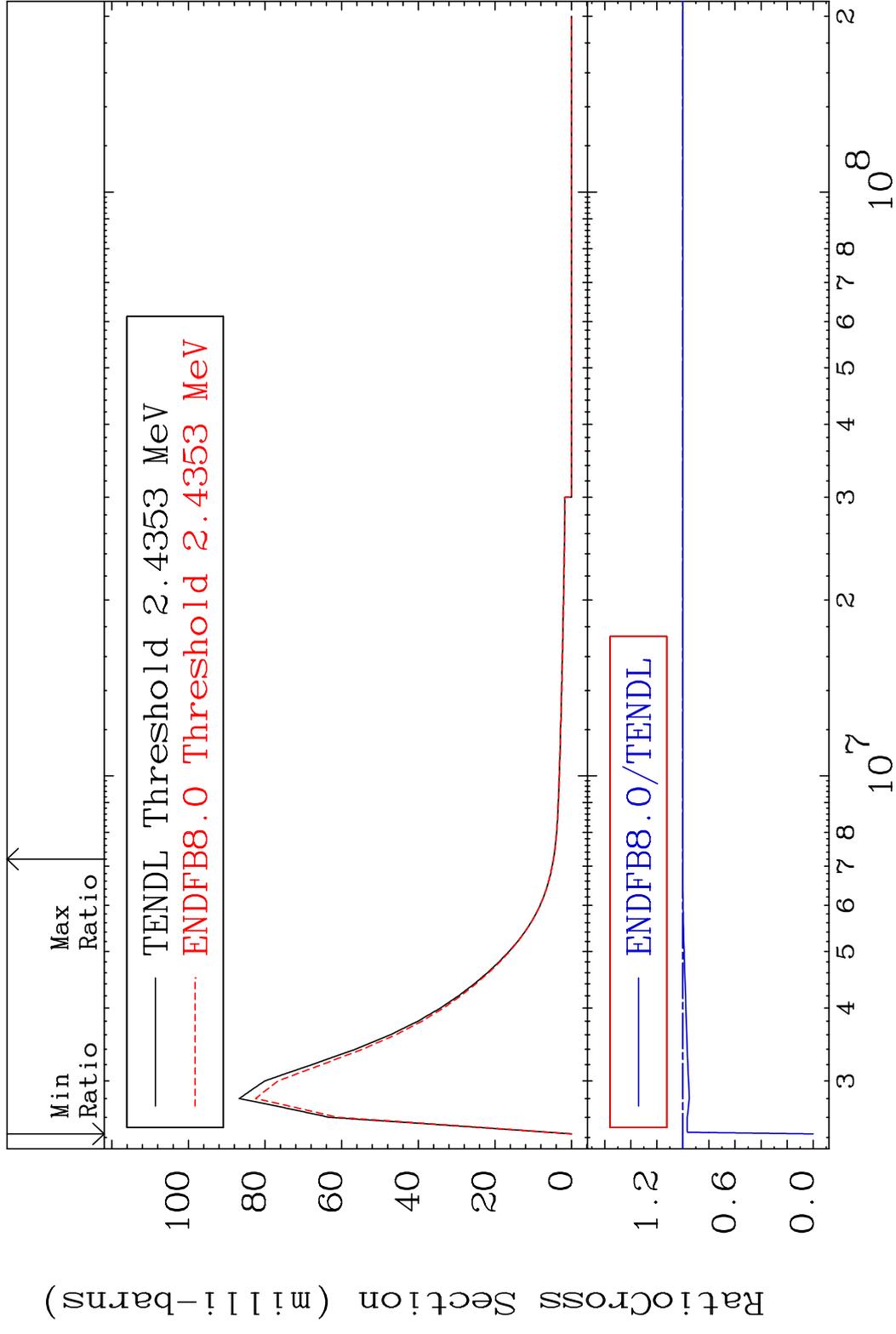
MAT 4228 MT= 63 (n,n') Level 42-Mo-93
 Cross Section -3.195 To 2.557 %



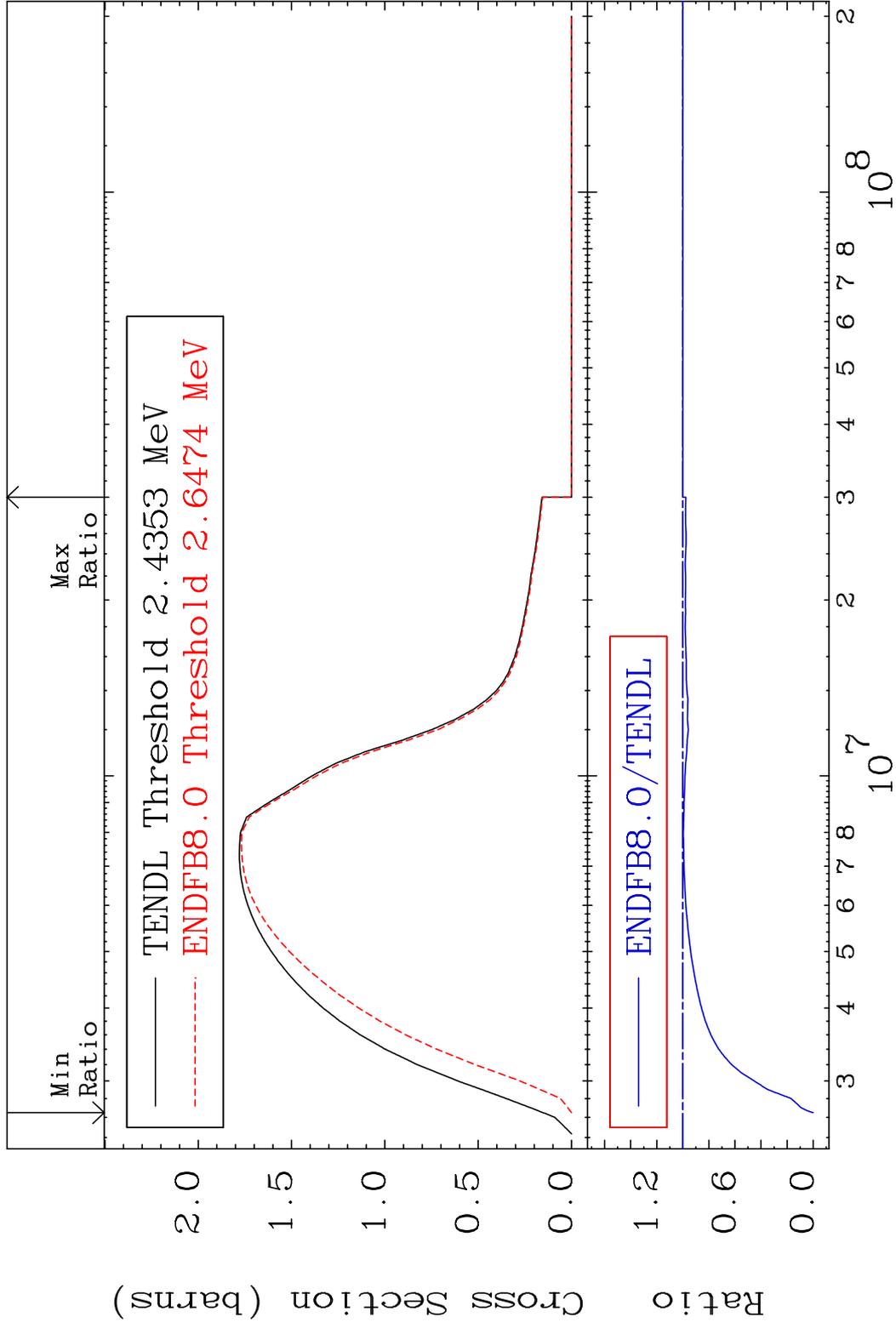
MAT 4228 MT= 64 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 0.291 %



MAT 4228 MT= 65 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 0.067 %



MAT 4228 (n, n') Continuum 42-Mo-93
 Cross Section -100.0 To 0.000 %

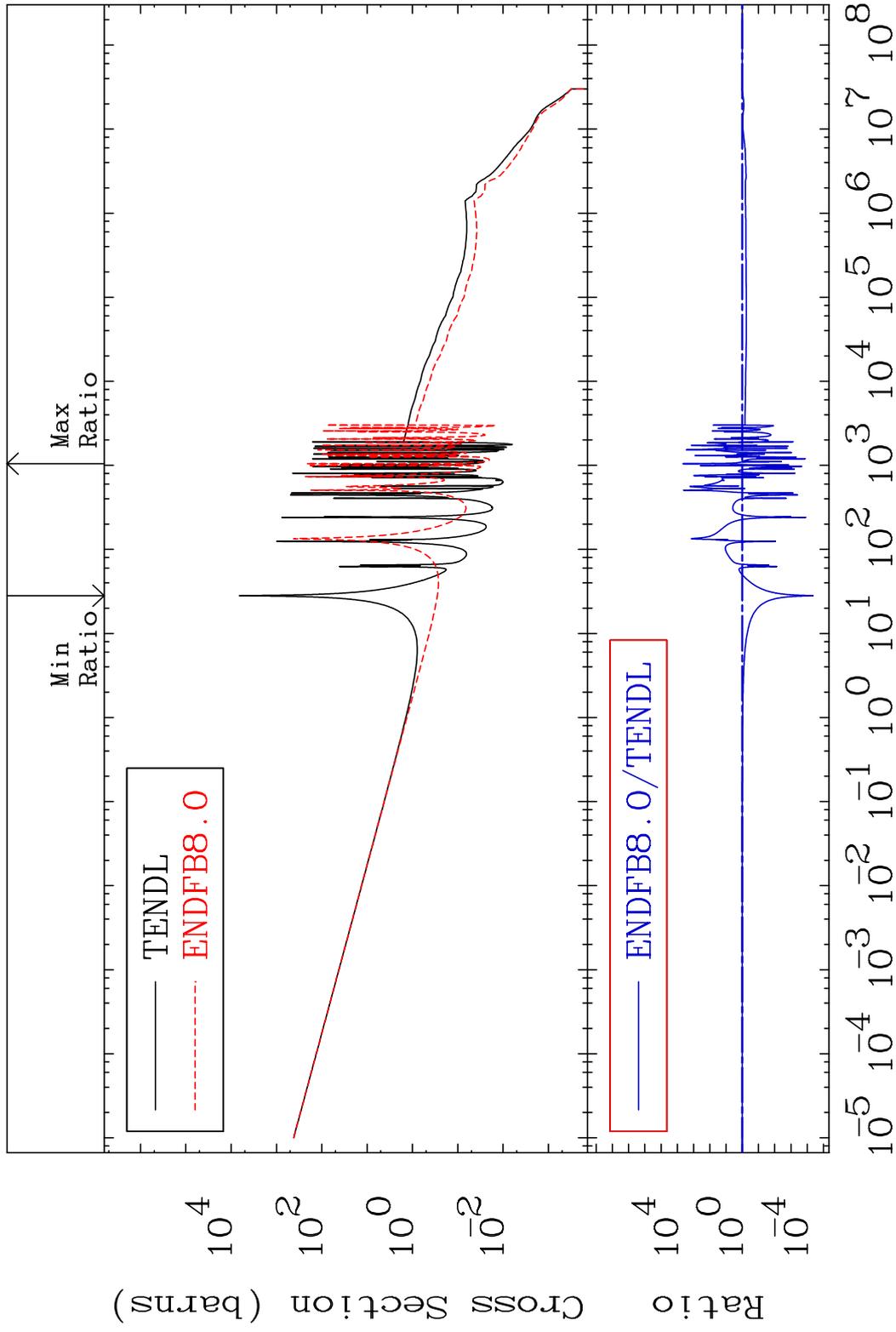


MAT 4228

(n, γ)

42-Mo-93

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

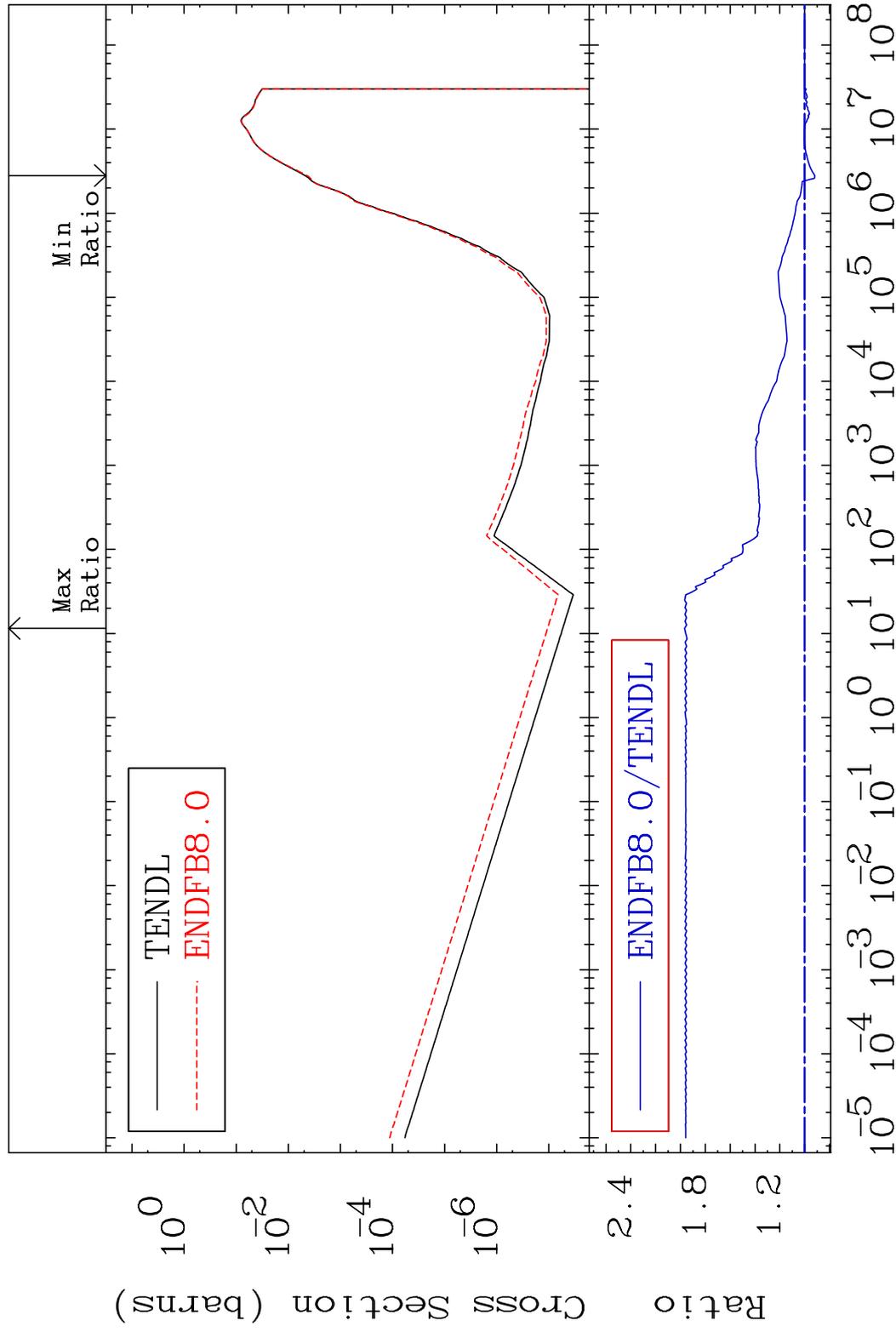
42-Mo-93

MAT 4228

(n, p)

42-Mo-93

Cross Section -8.190 To 96.74 %

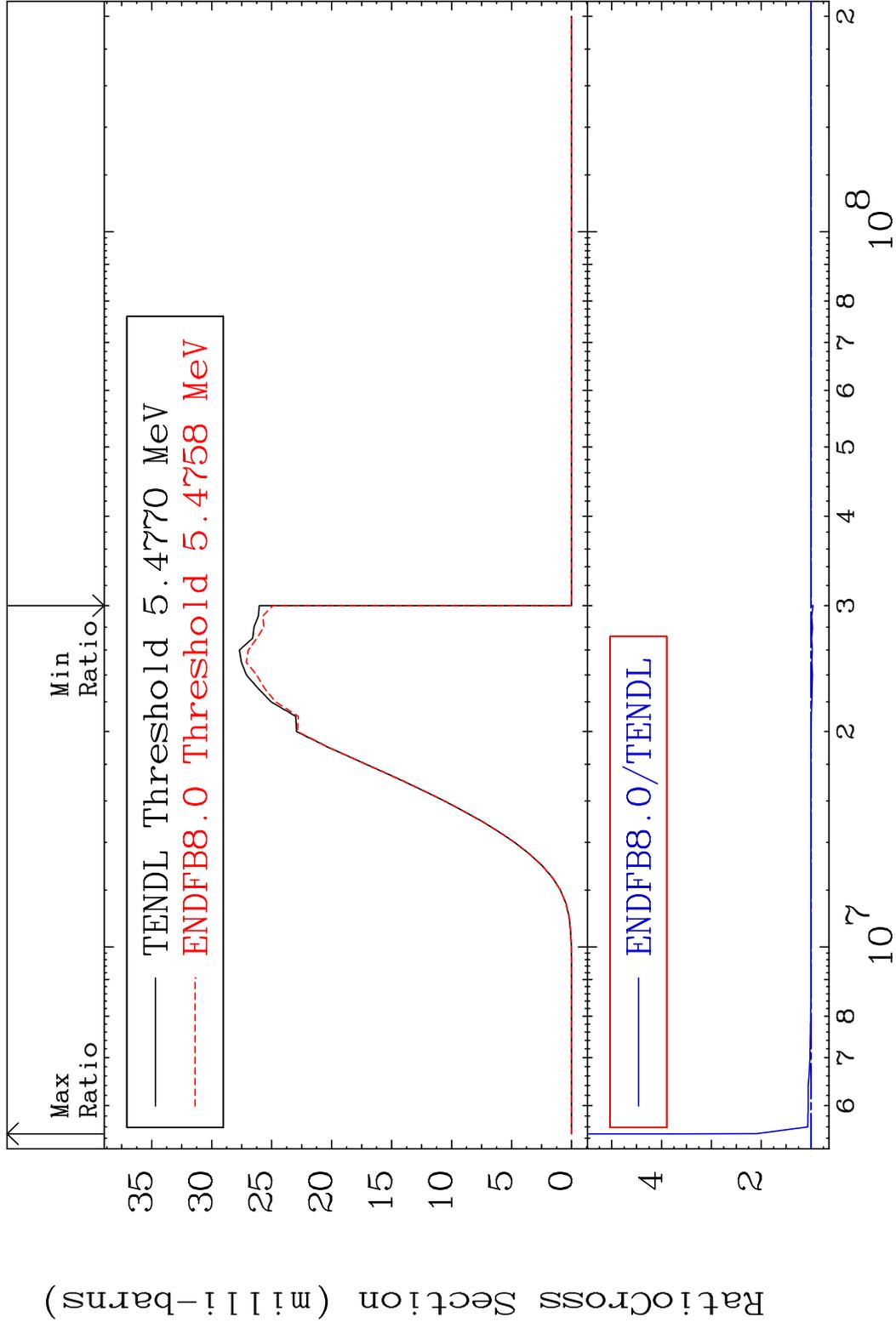


35

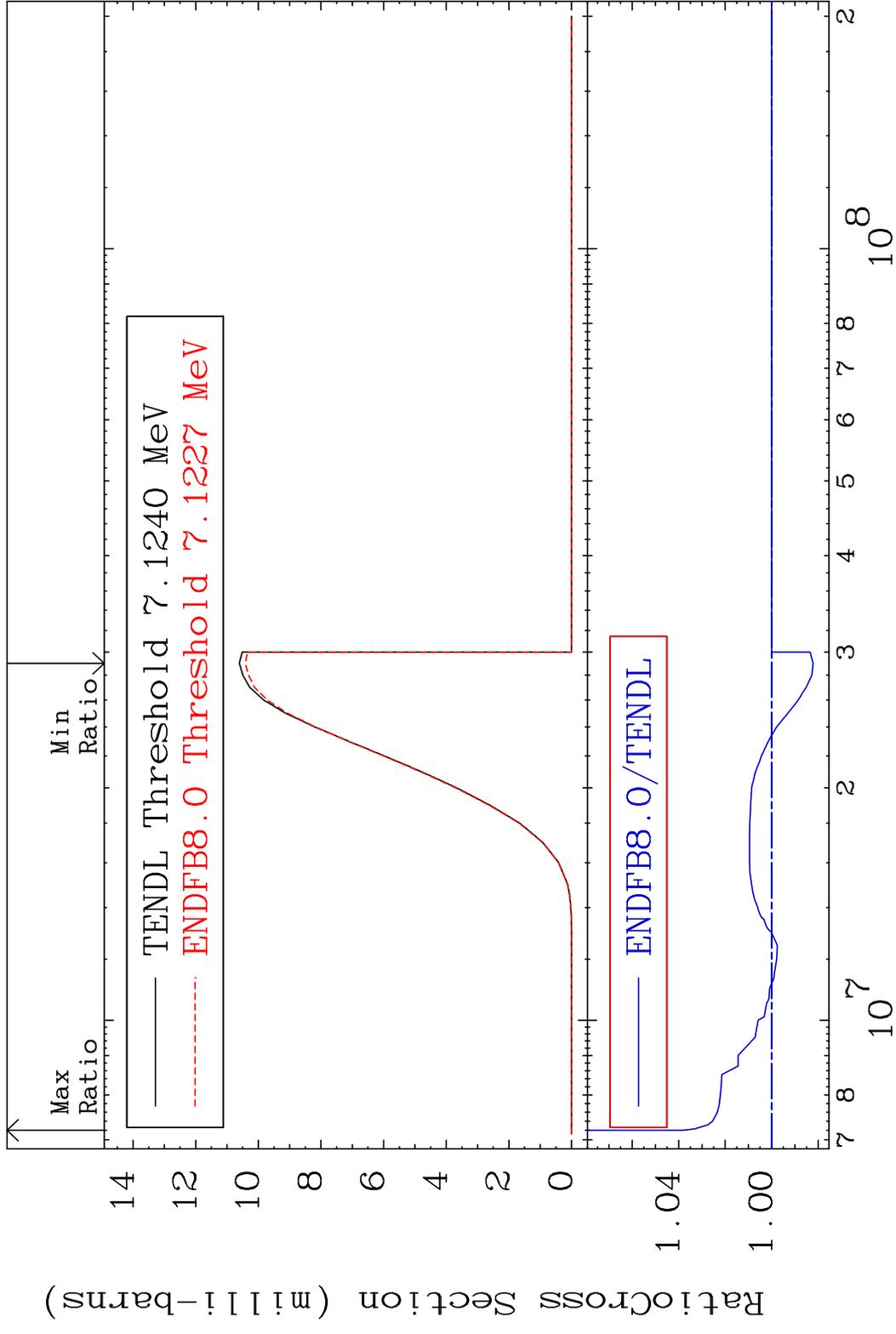
Incident Energy (eV)

42-Mo-93

MAT 4228 (n,d) 42-Mo-93
 Cross Section -4.363 To 257.3 %



MAT 4228 (n, t) 42-Mo-93
 Cross Section -1.784 To 3.823 %

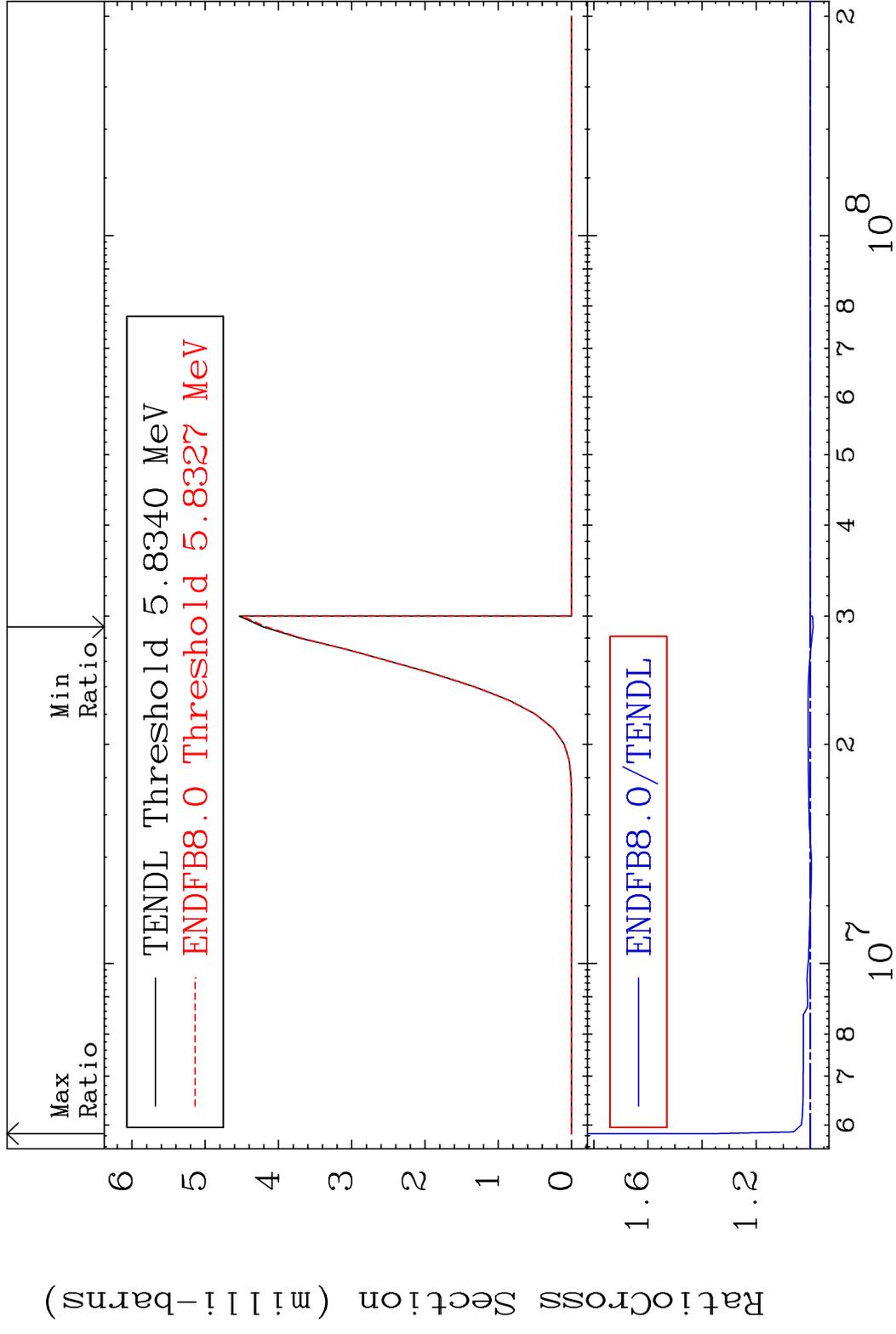


MAT 4228

(n, He-3)

42-Mo-93

Cross Section -1.038 To 47.10 %

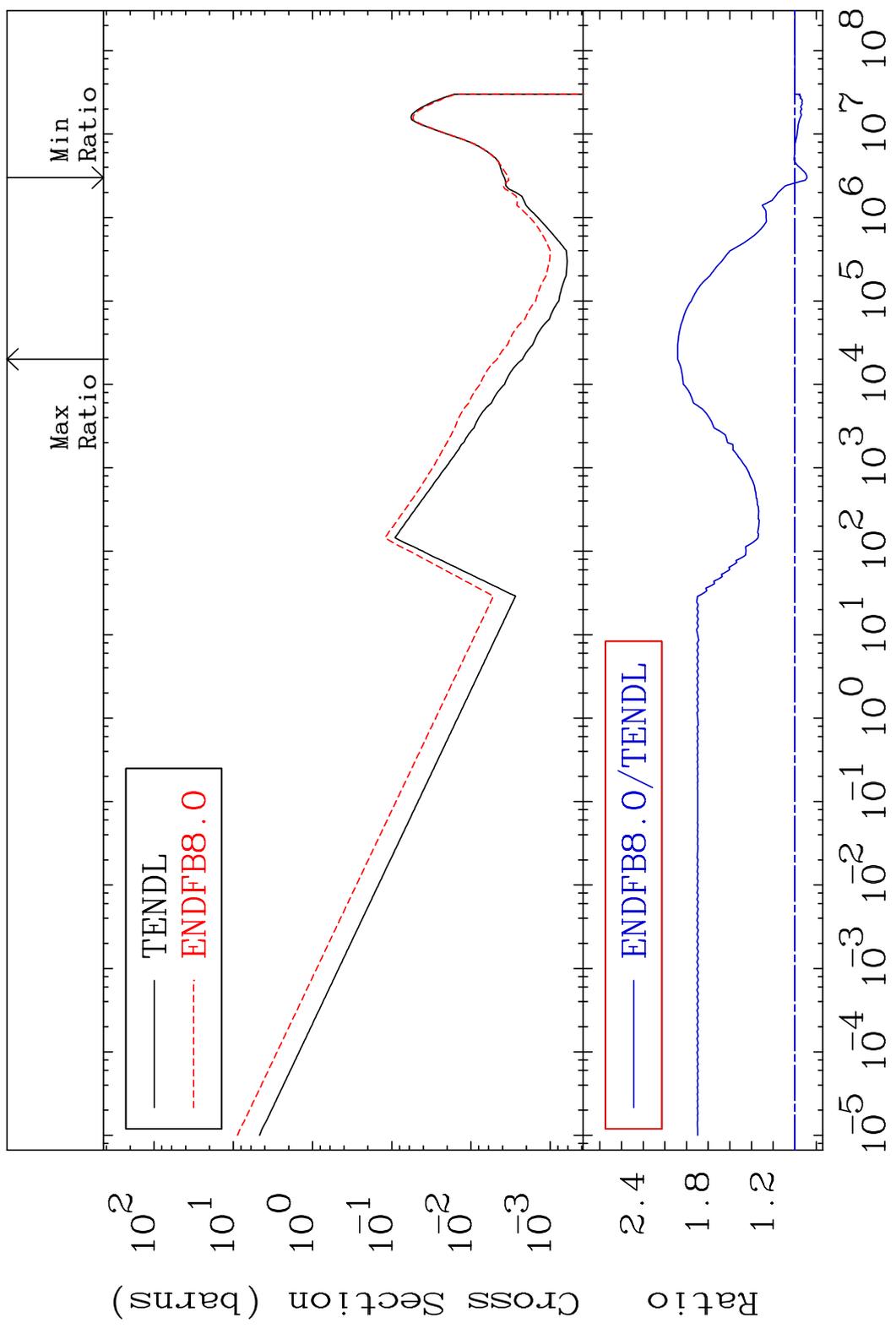


MAT 4228

(n, α)

42-Mo-93

Cross Section -11.29 To 108.1 %



39

Incident Energy (eV)

42-Mo-93

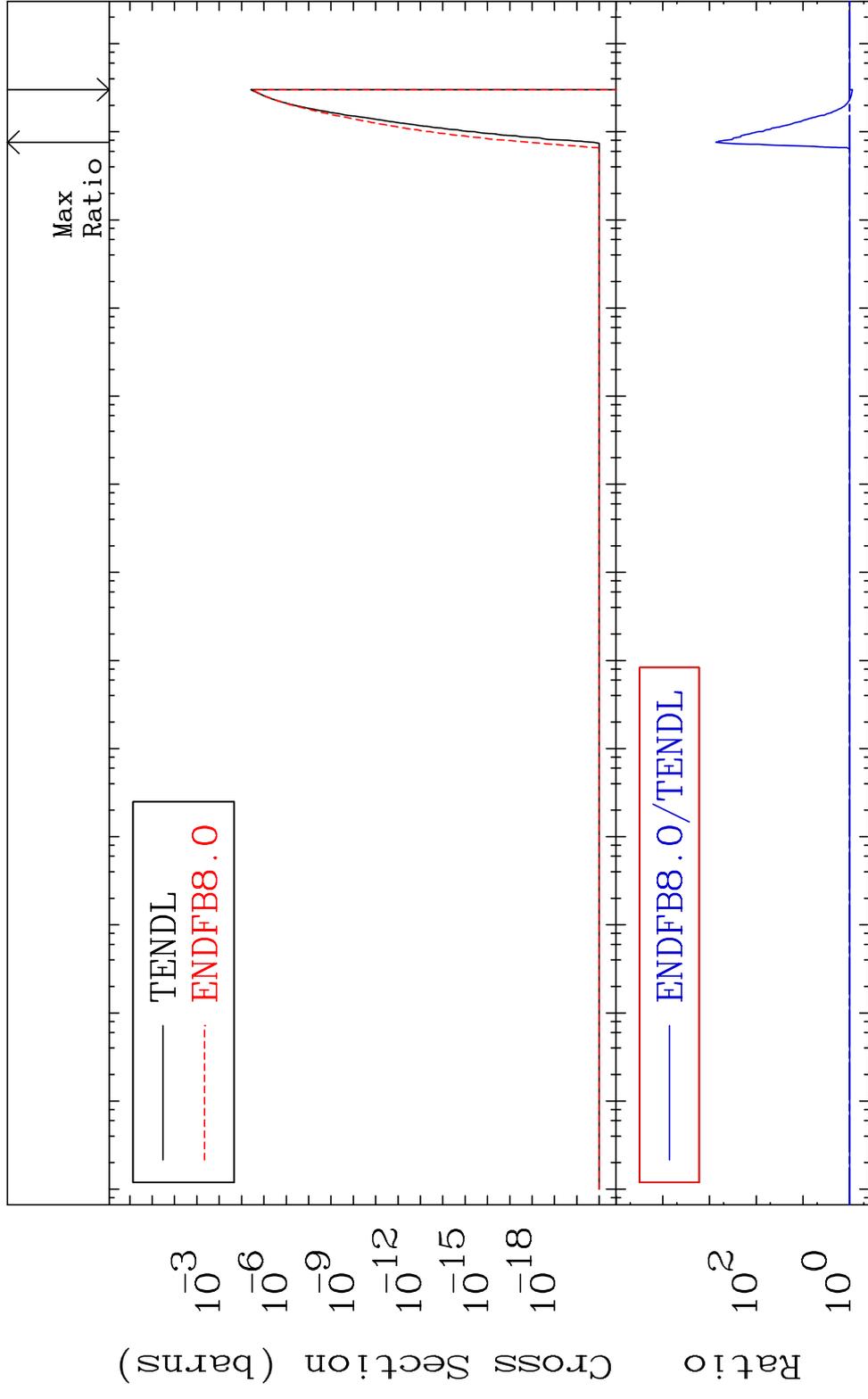
MAT 4228

(n, 2α)

42-Mo-93

Cross Section

-12.91 To 9999. %



40

Incident Energy (eV)

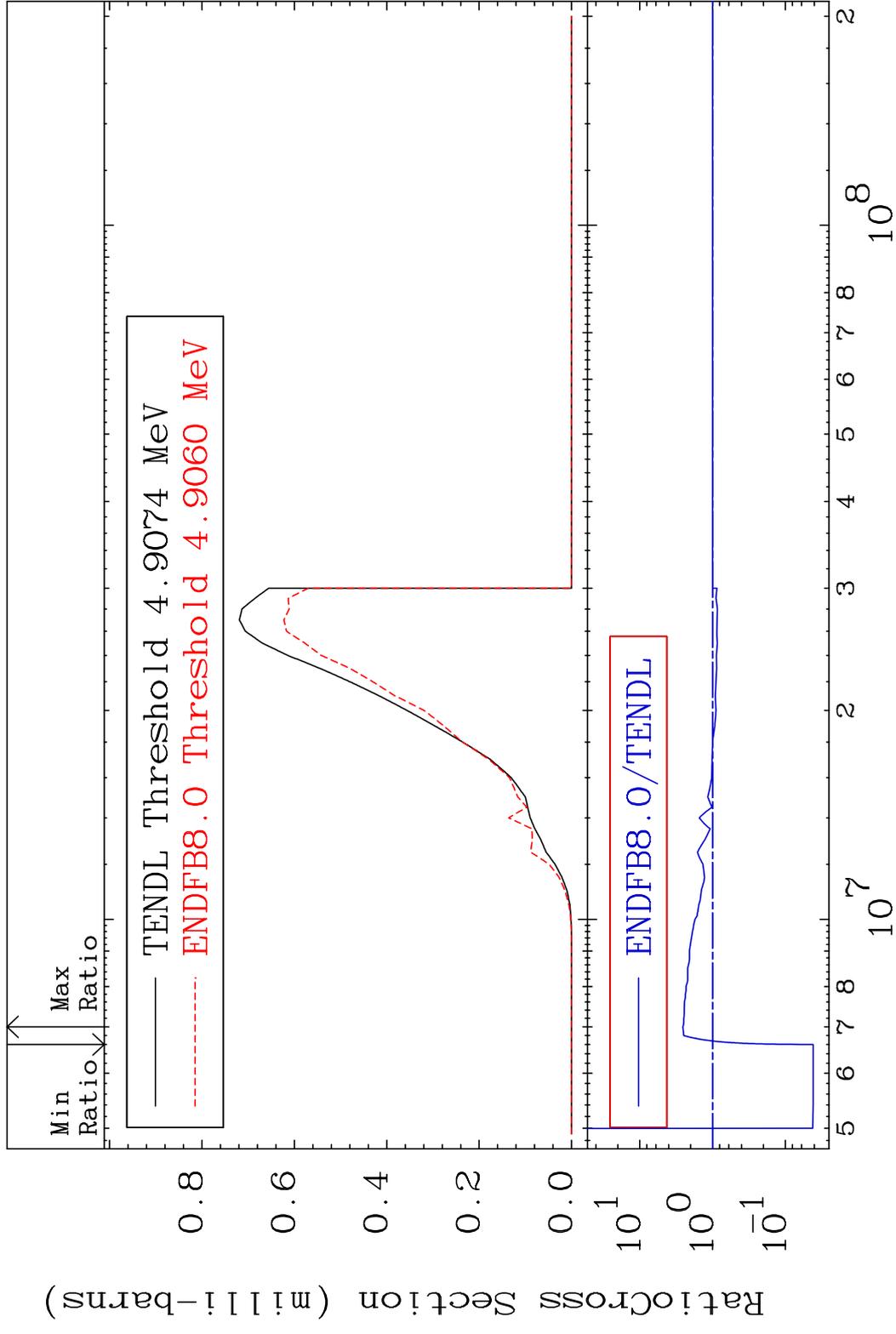
42-Mo-93

MAT 4228

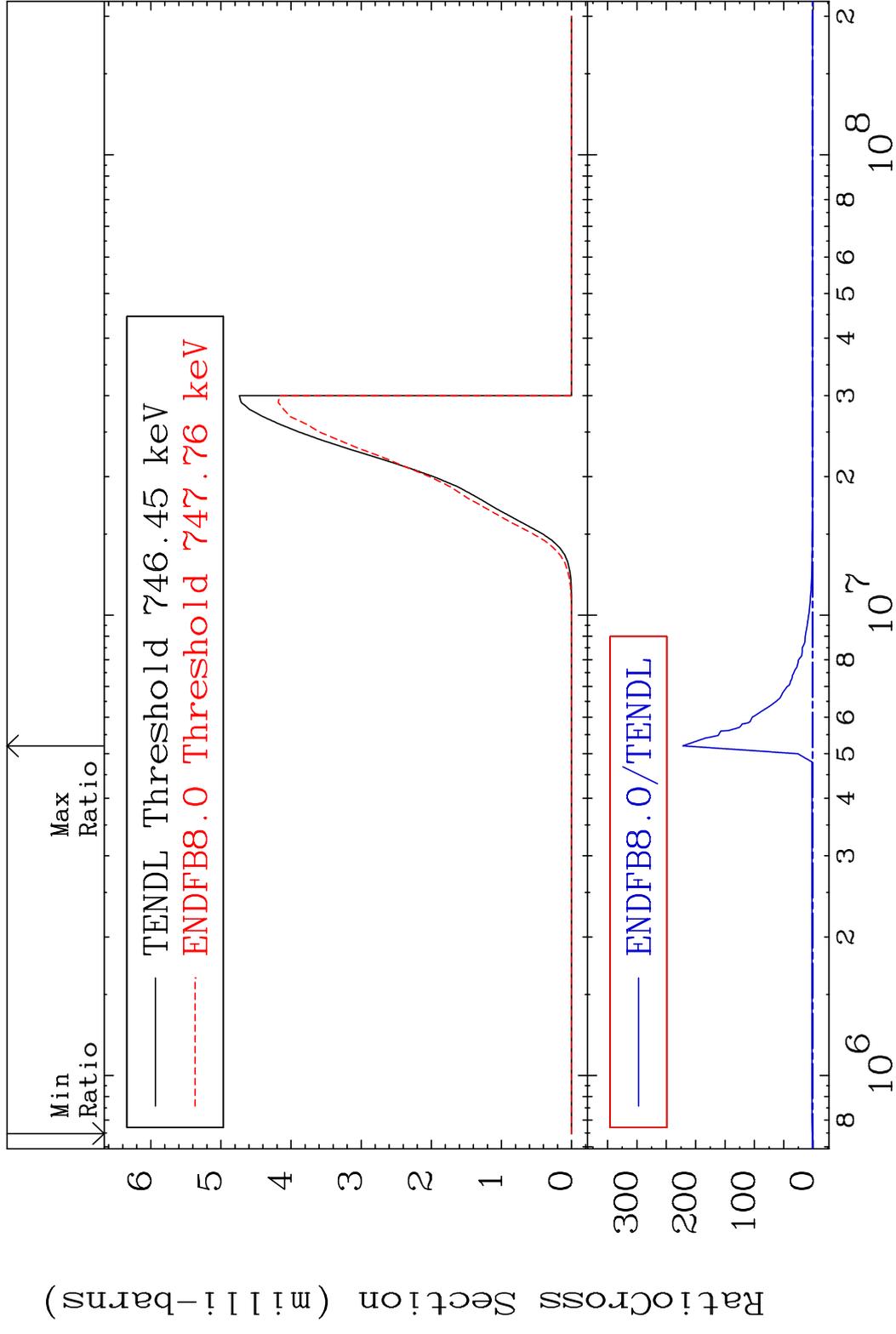
(n,2p)

42-Mo-93

Cross Section -95.84 To 155.8 %



MAT 4228 (n,p) α 42-Mo-93
 Cross Section -100.0 To 9999. %



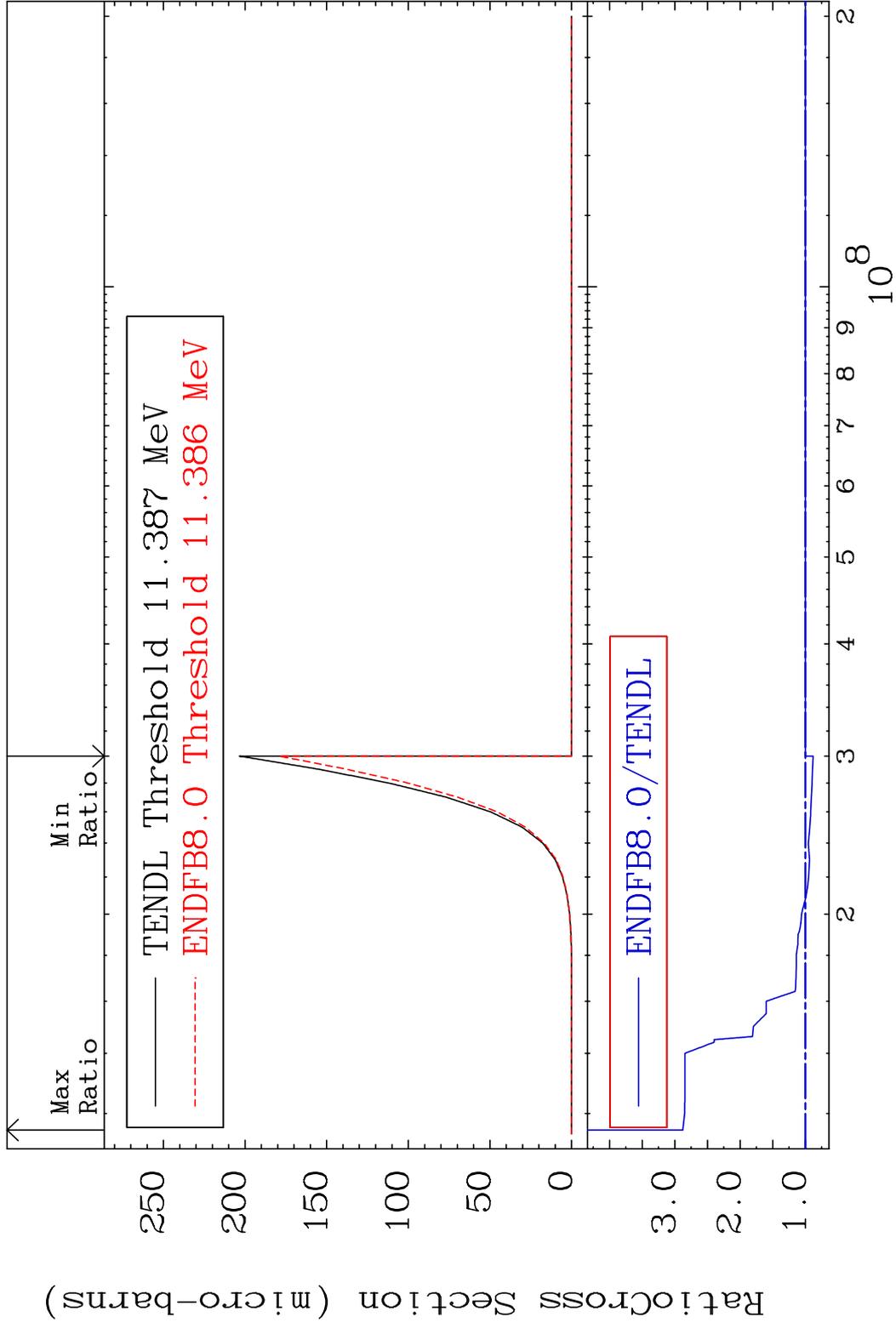
42 42-Mo-93

MAT 4228

(n,p) d

42-Mo-93

Cross Section -11.95 To 187.7 %

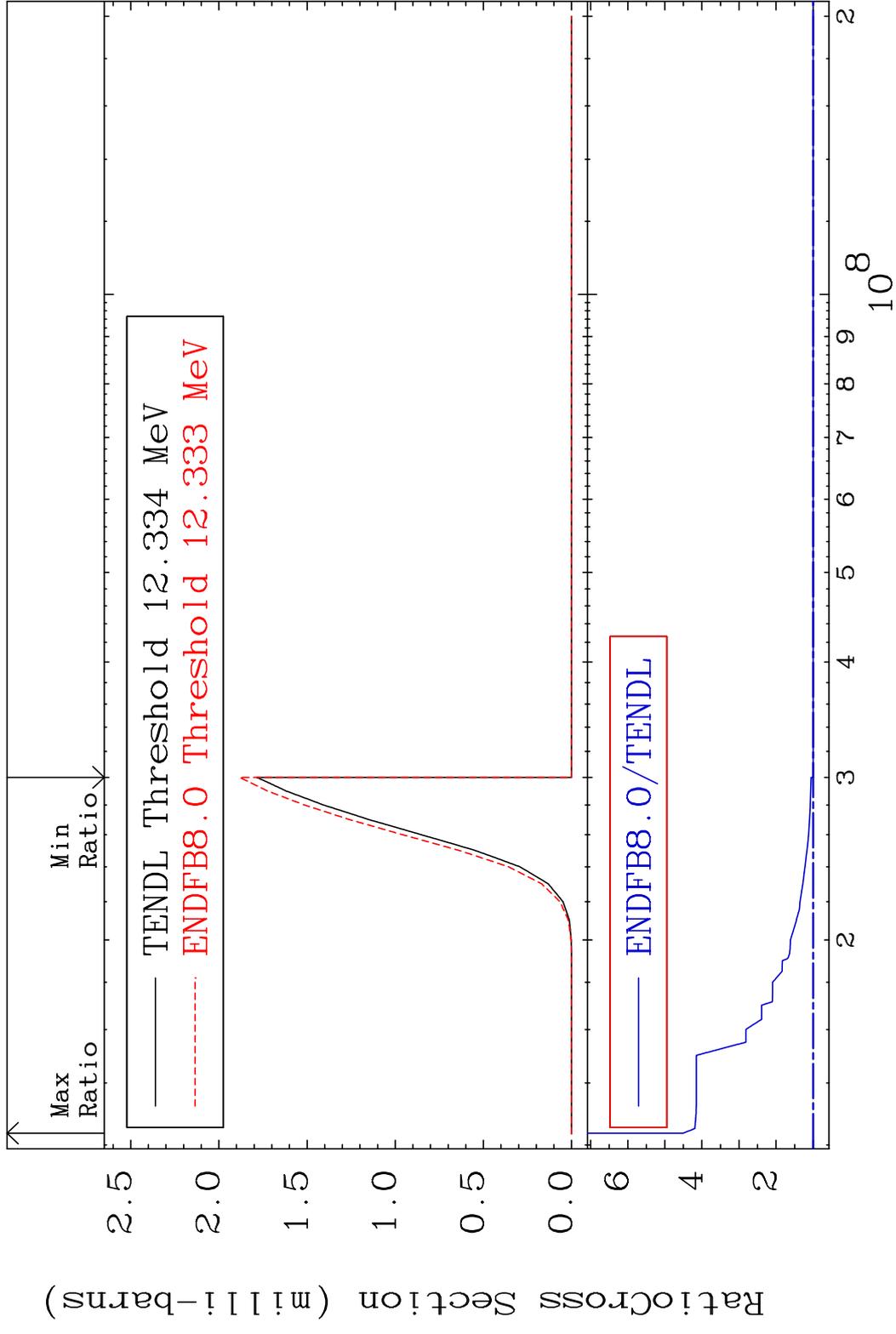


43

Incident Energy (eV)

42-Mo-93

MAT 4228 (n,p) t 42-Mo-93
 Cross Section 0.000 To 351.5 %

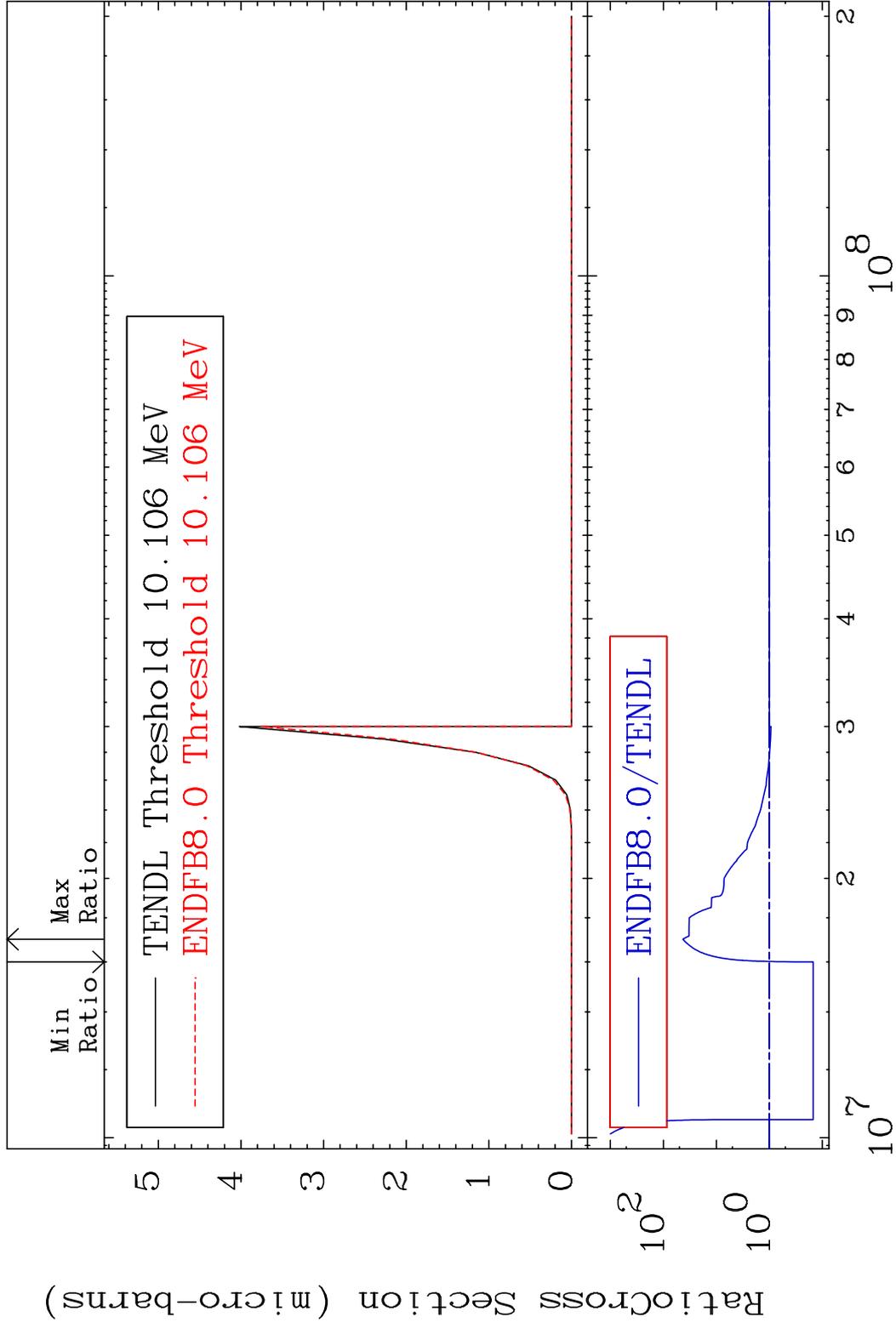


MAT 4228

(n,d) α

42-Mo-93

Cross Section -85.05 To 4195. %



45

Incident Energy (eV)

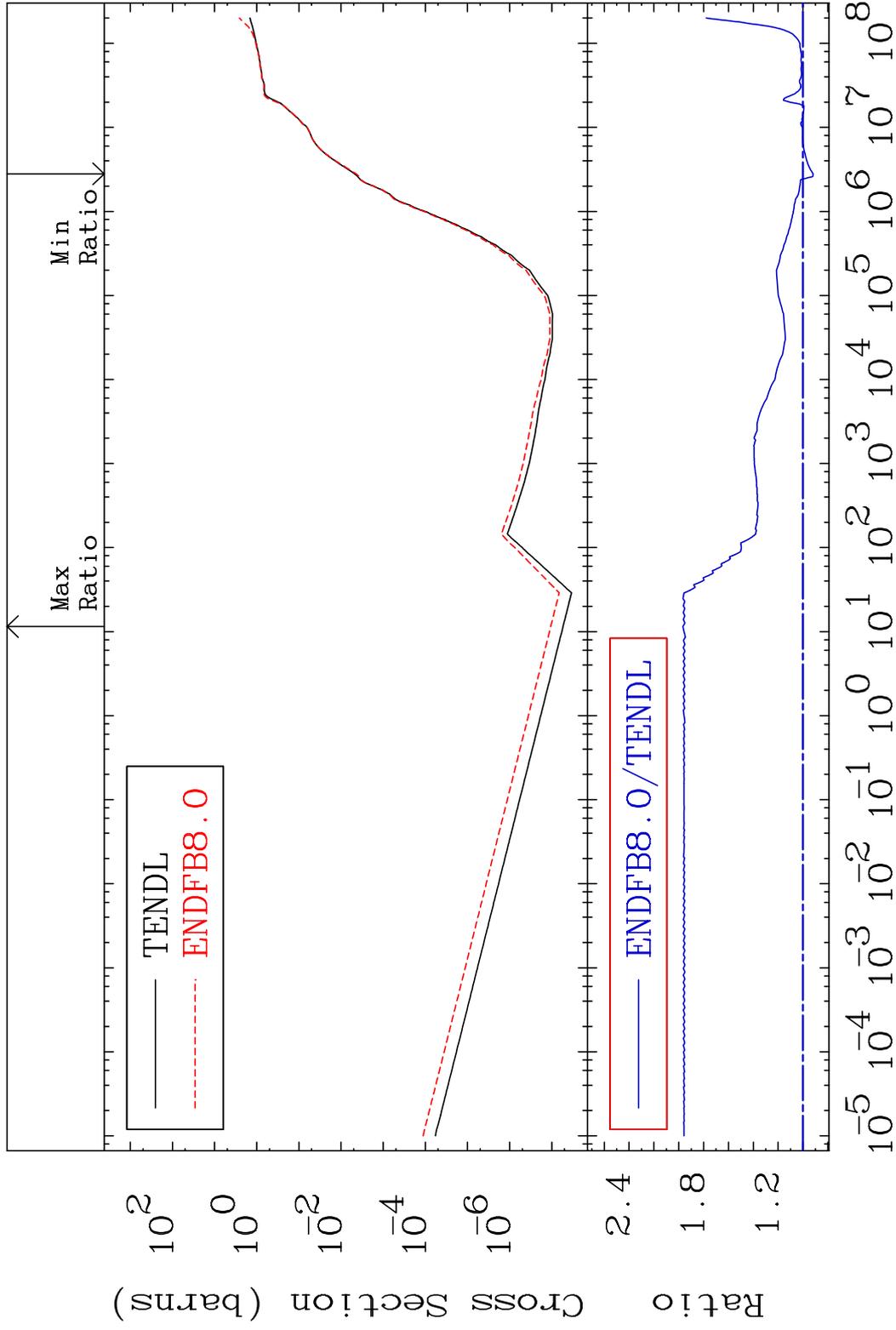
42-Mo-93

MAT 4228

Hydrogen Production

42-Mo-93

Cross Section -8.190 To 96.74 %



46

Incident Energy (eV)

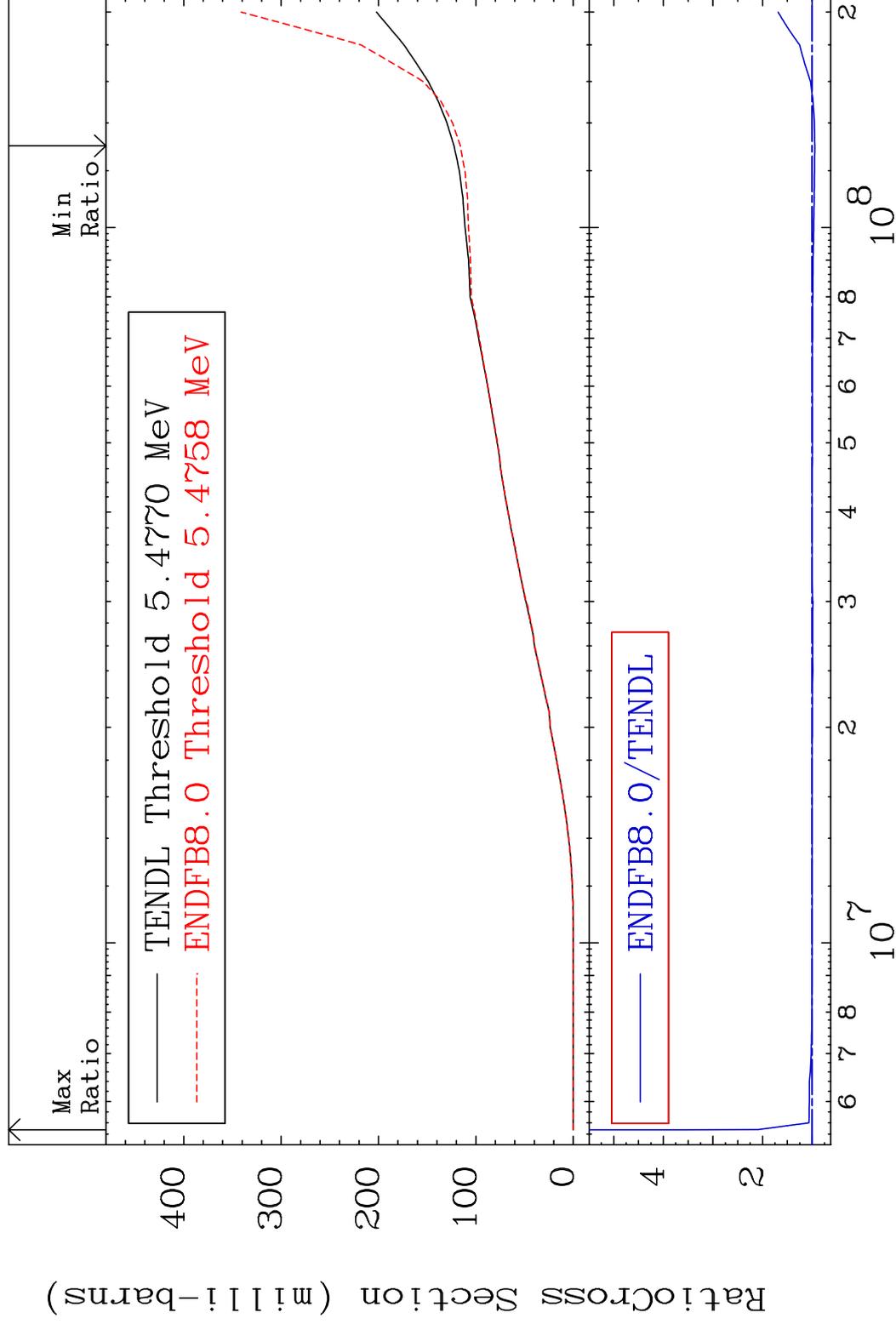
42-Mo-93

MAT 4228

Deuterium Production

42-Mo-93

Cross Section -5.351 To 257.3 %



47

Incident Energy (eV)

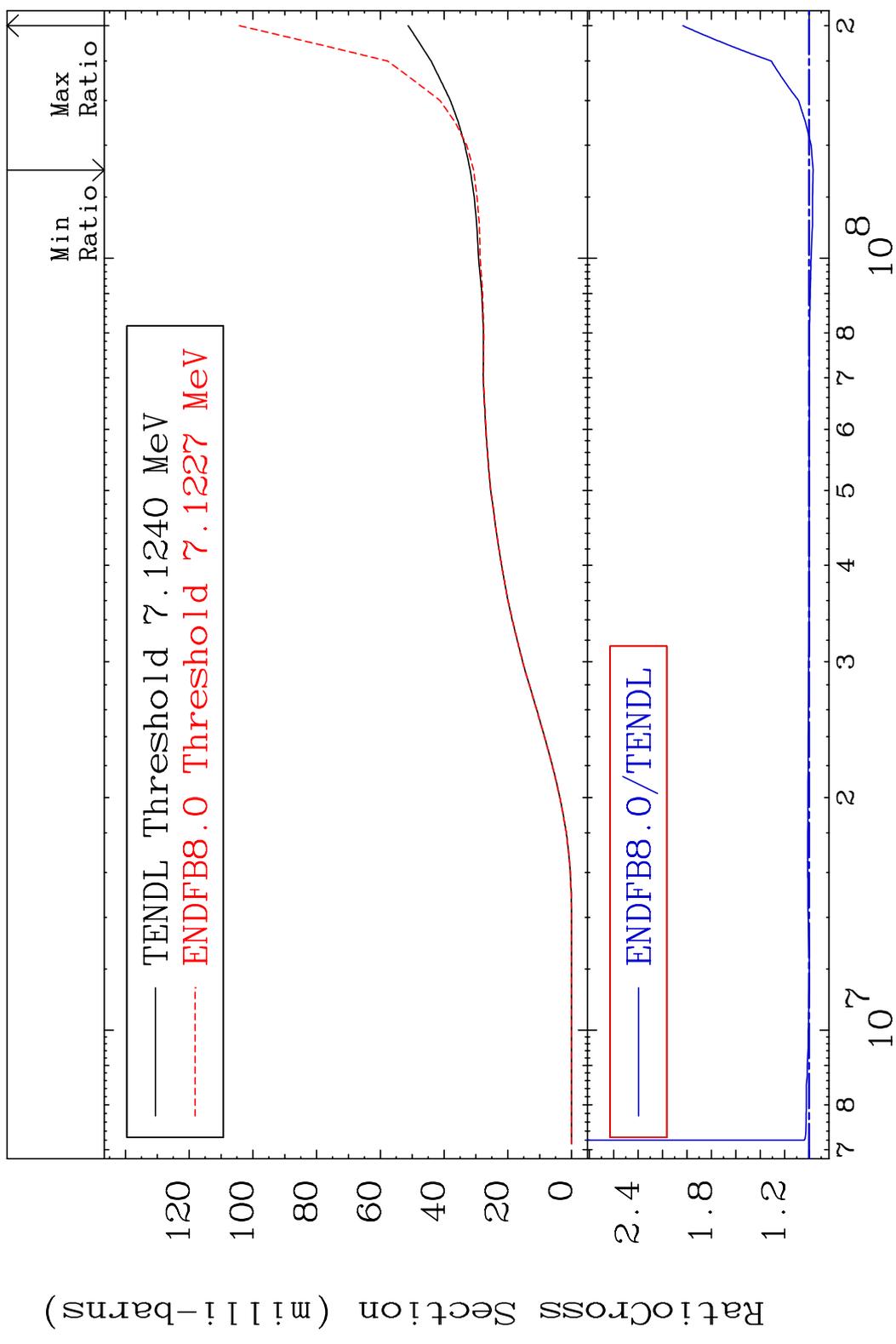
42-Mo-93

MAT 4228

Tritium Production

42-Mo-93

Cross Section -3.411 To 103.3 %



48

Incident Energy (eV)

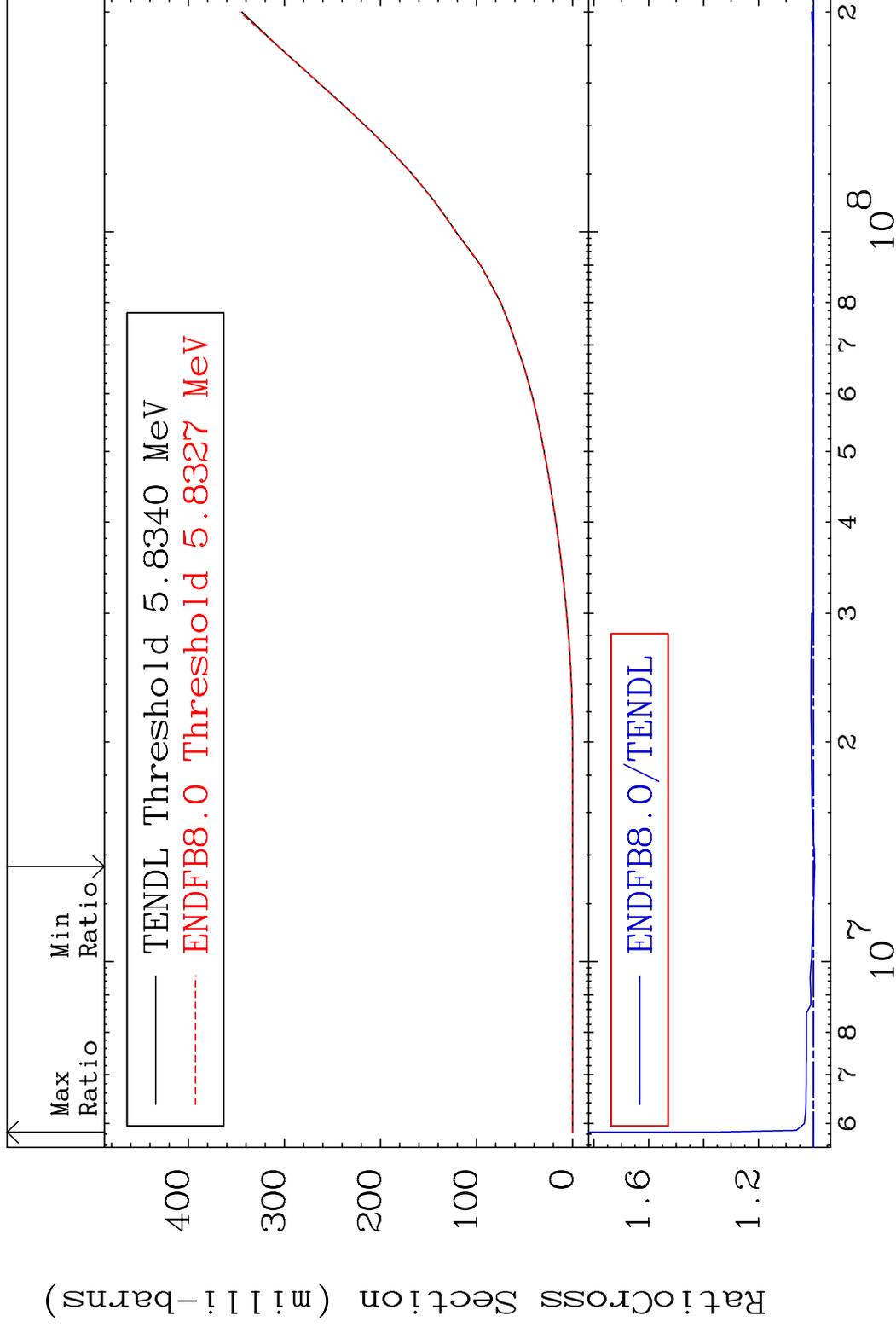
42-Mo-93

MAT 4228

He-3 Production

42-Mo-93

Cross Section -0.426 To 47.10 %



49

Incident Energy (eV)

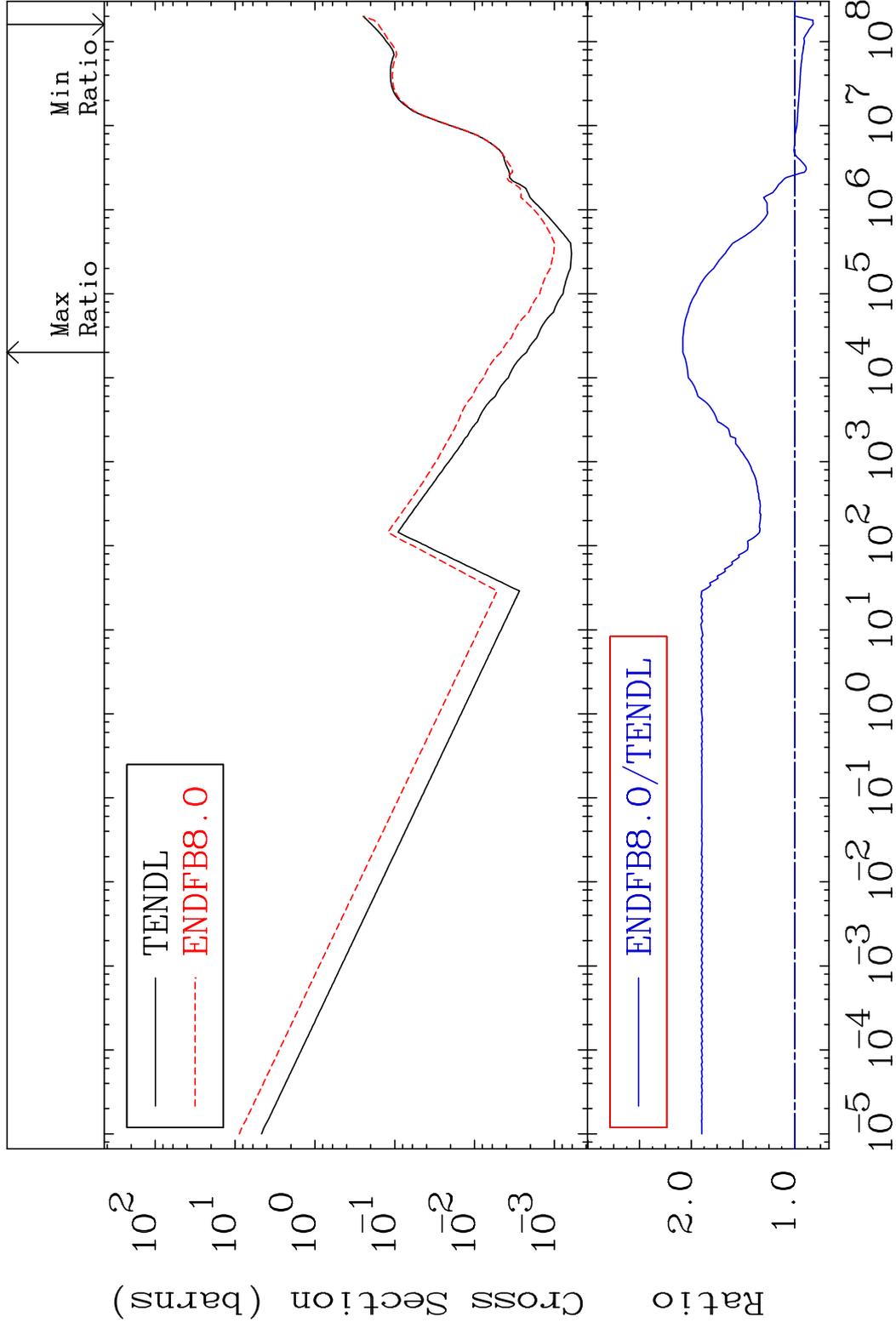
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section -17.88 To 108.1 %

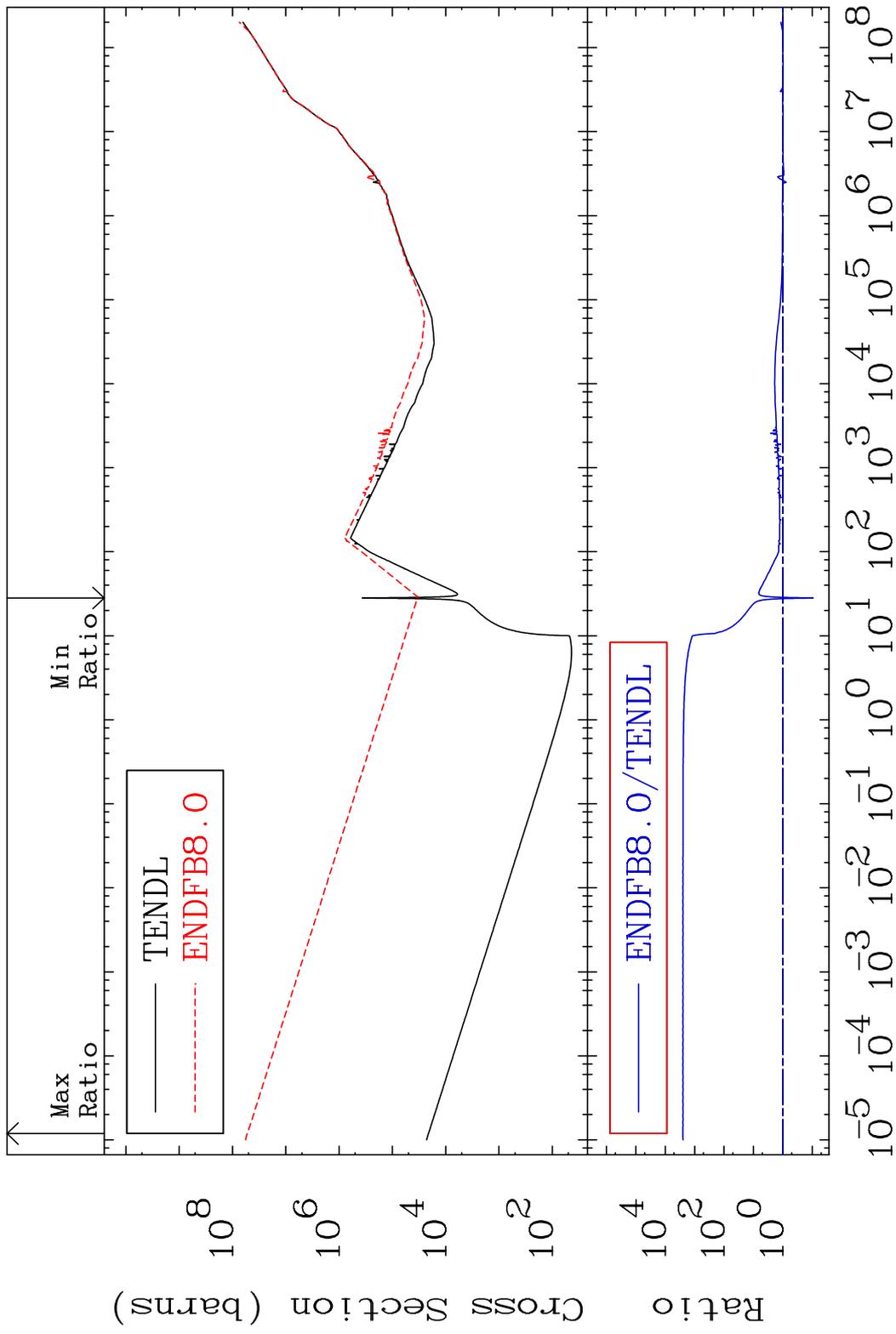


50

Incident Energy (eV)

42-Mo-93

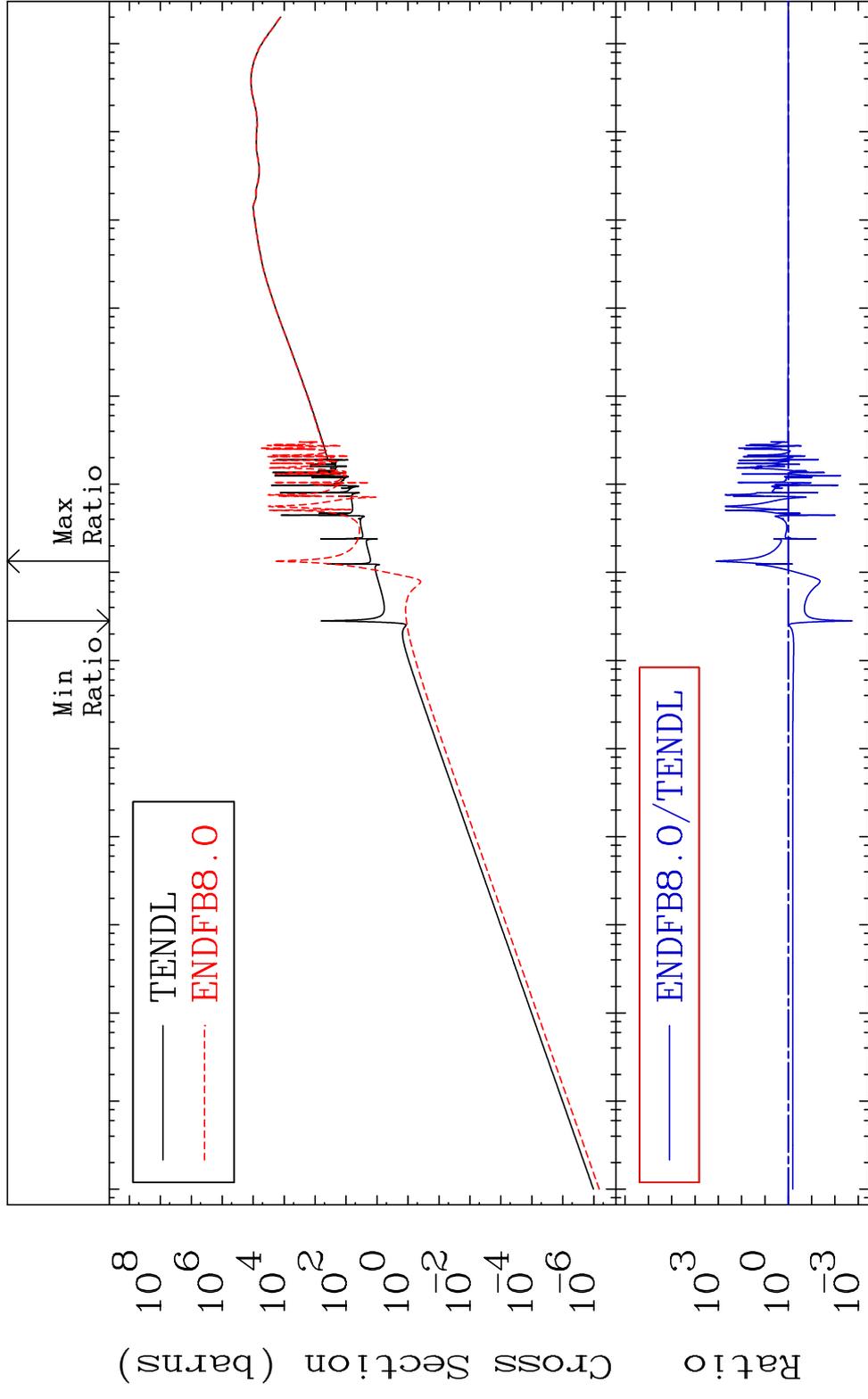
MAT 4228 Kerma total (eV-barns) 42-Mo-93
 Cross Section -90.64 To 9999. %



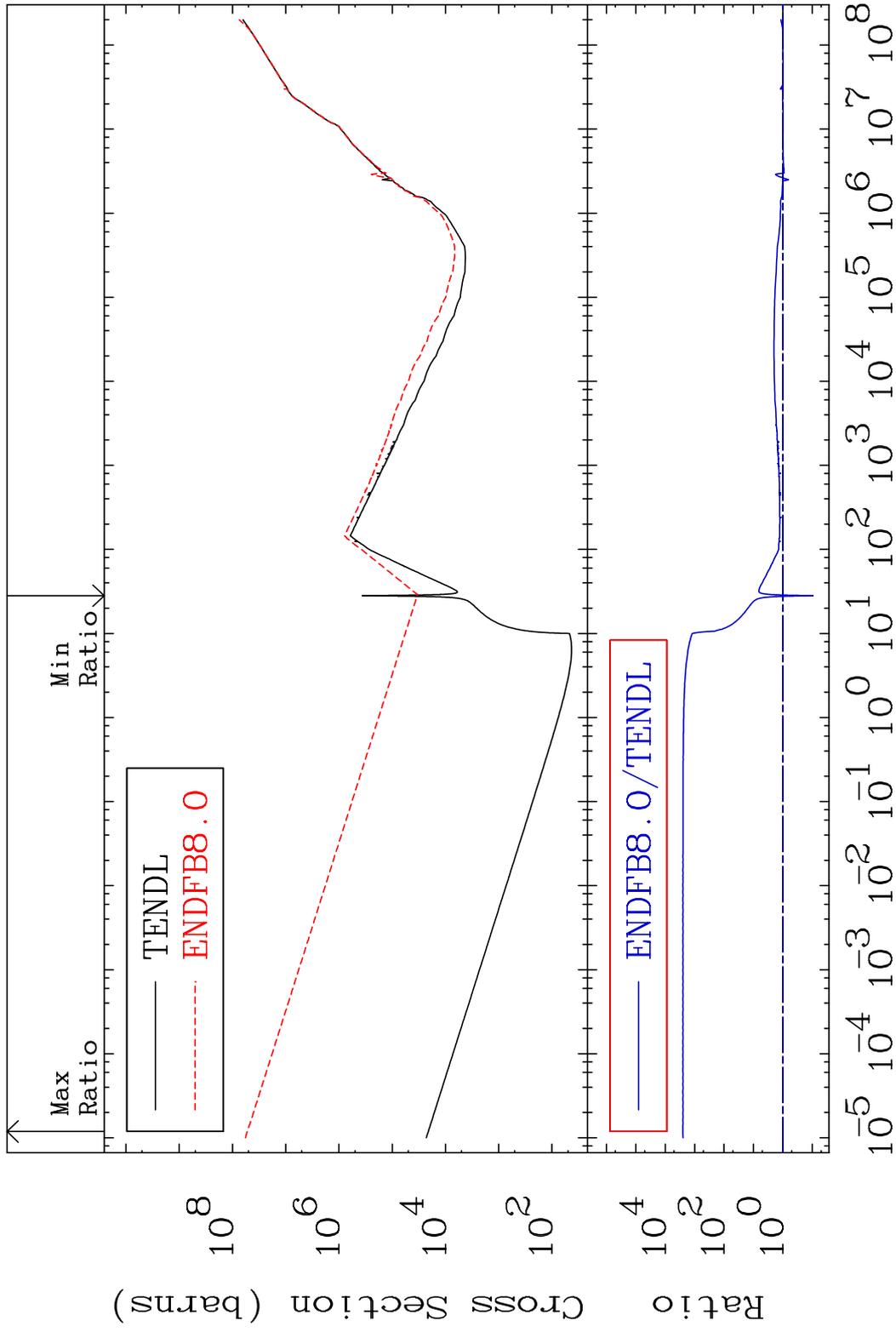
MAT 4228

Kerma elastic
Cross Section

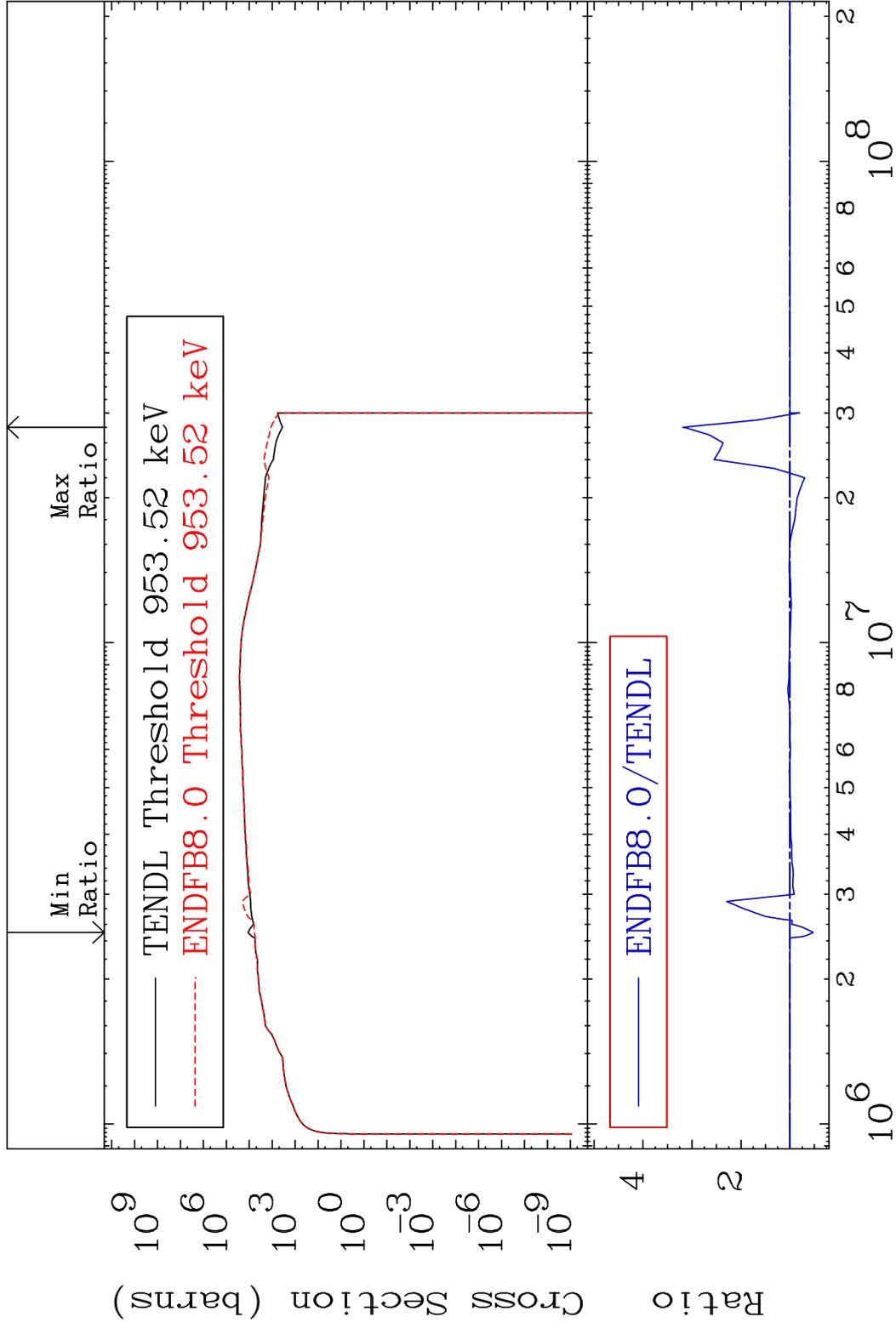
42-Mo-93
-99.82 To 9999. %



MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93
 Cross Section -90.63 To 9999. %

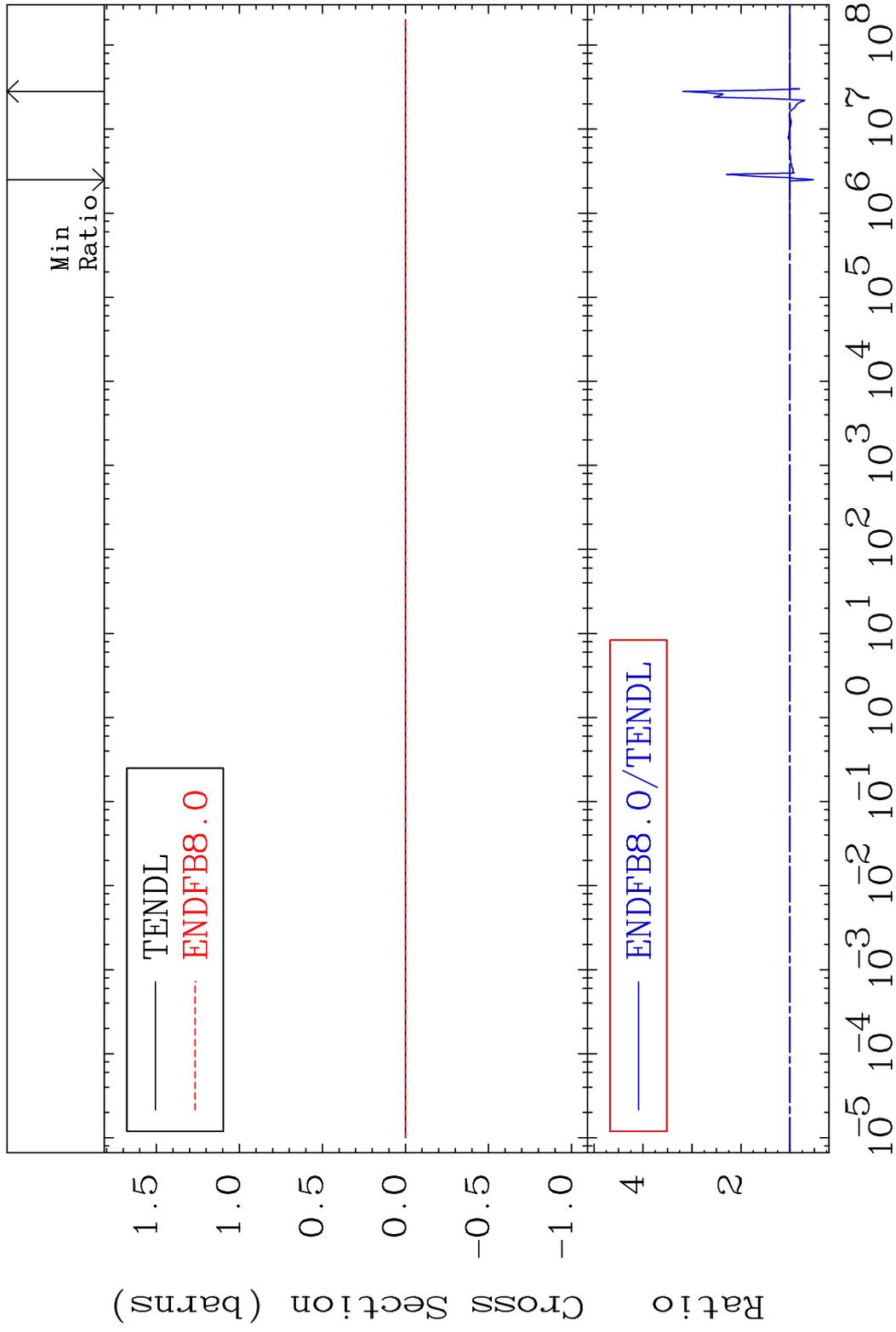


MAT 4228 Kerma inelastic (mt51-91) 42-Mo-93
 Cross Section -47.35 To 218.6 %



54 42-Mo-93

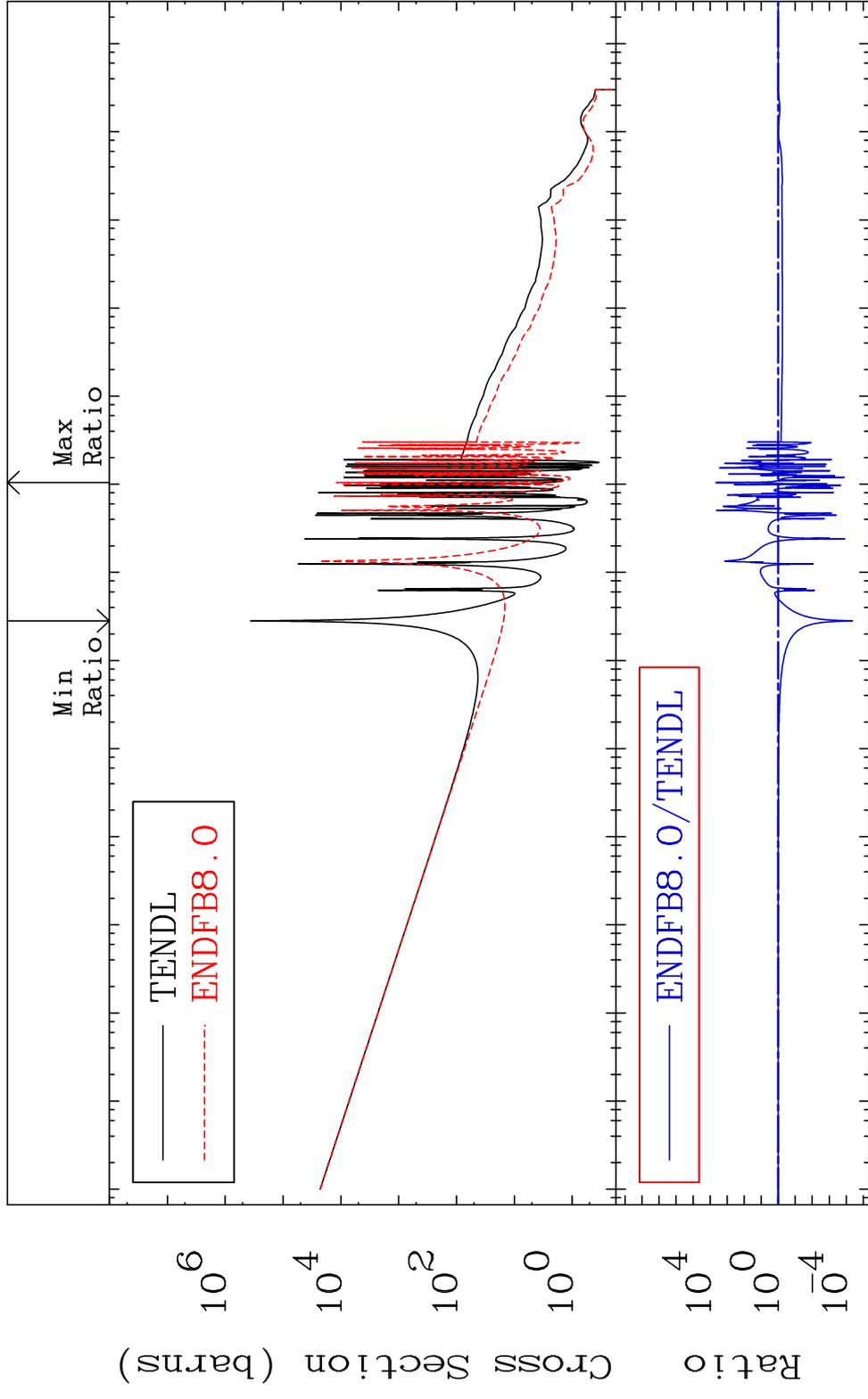
MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93
 Cross Section -47.35 To 218.6 %



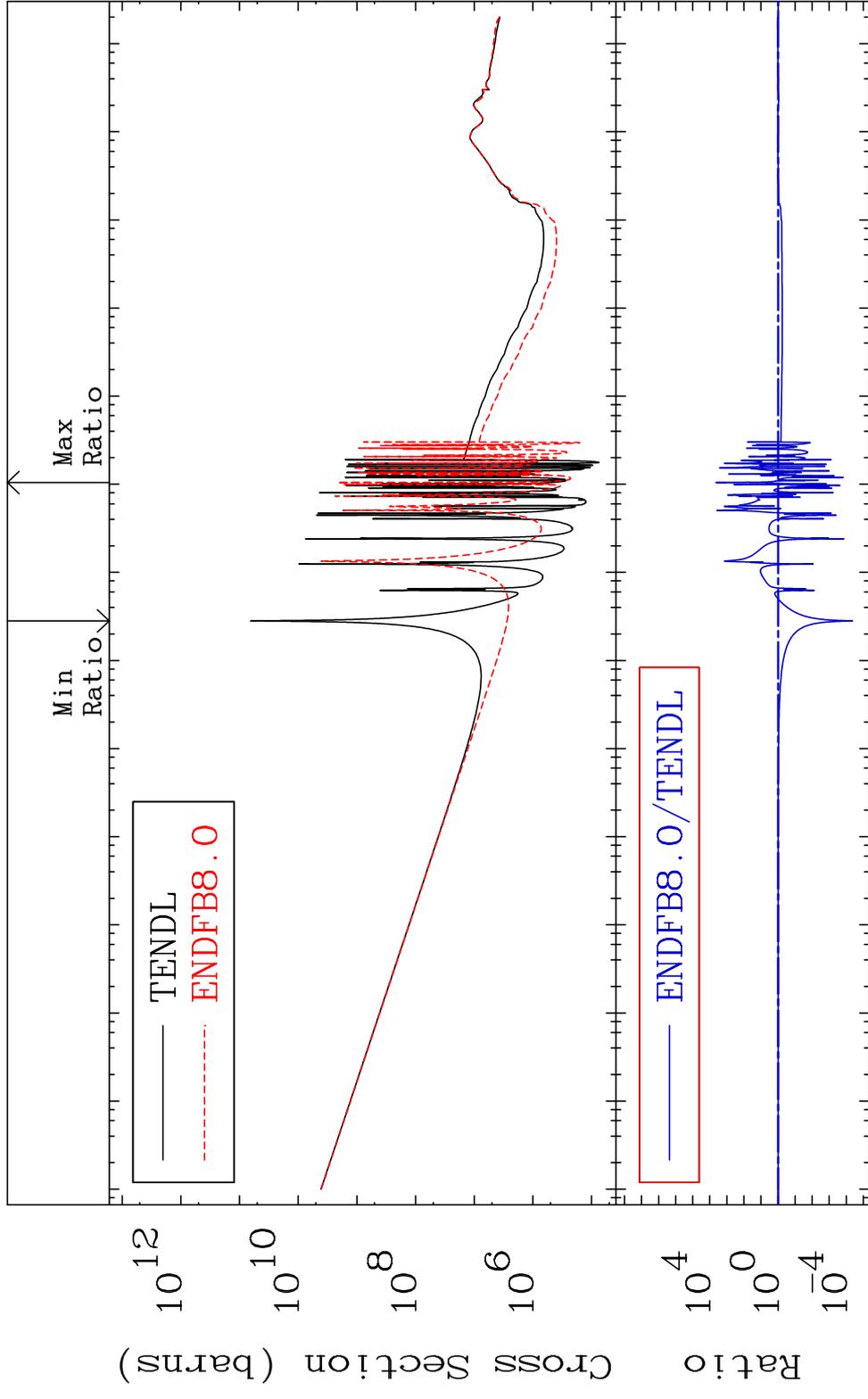
MAT 4228

Kerma capture (mt102) 42-Mo-93

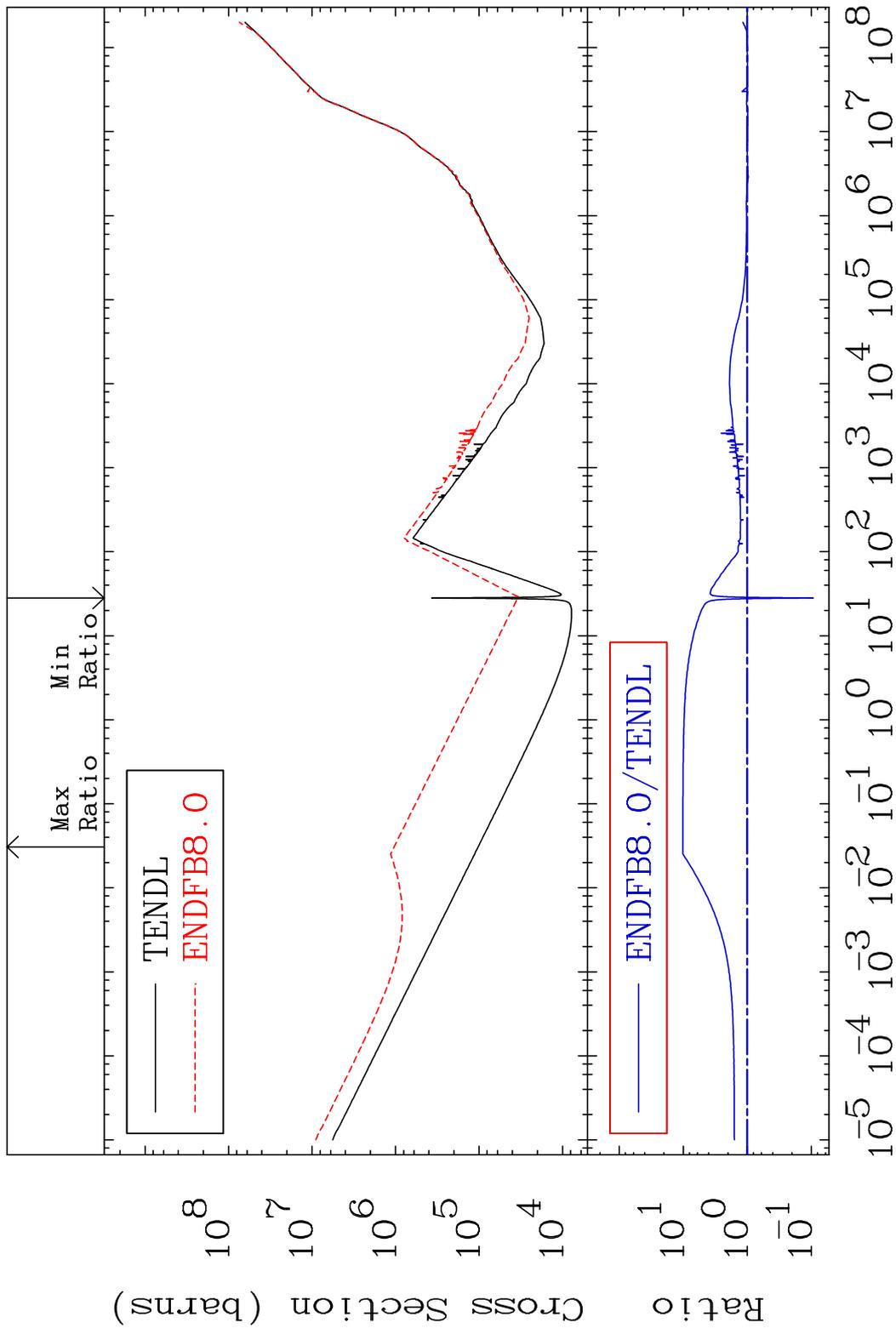
Cross Section -100.0 To 9999. %



MAT 4228 Total photon (eV-barns) 42-Mo-93
 Cross Section -100.0 To 9999. %



MAT 4228 Total kinematic kerma (high limit) 42-Mo-93
 Cross Section -90.65 To 915.7 %

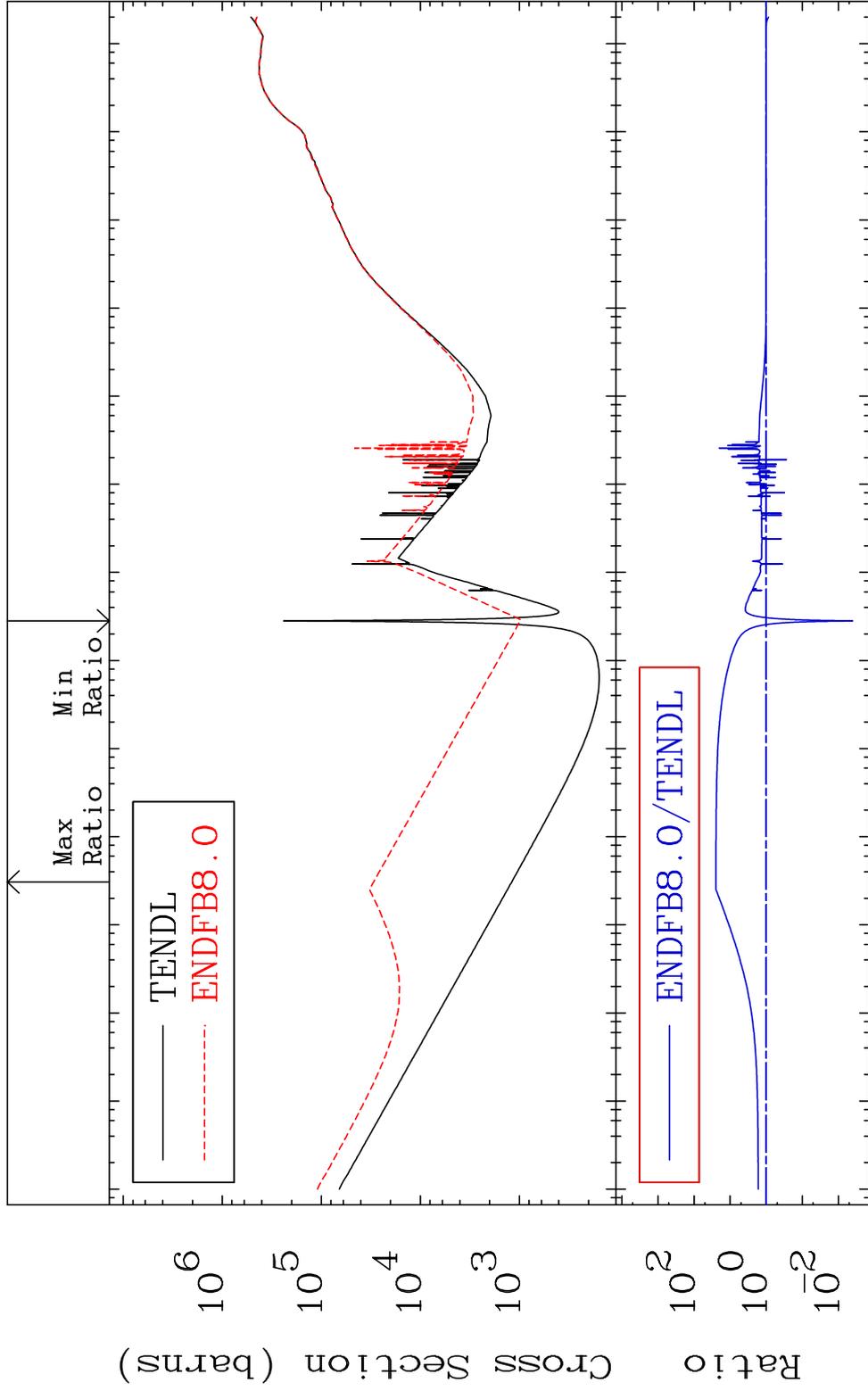


MAT 4228

Dpa total (eV-barns)

42-Mo-93

Cross Section -99.59 To 2382. %



59

Incident Energy (eV)

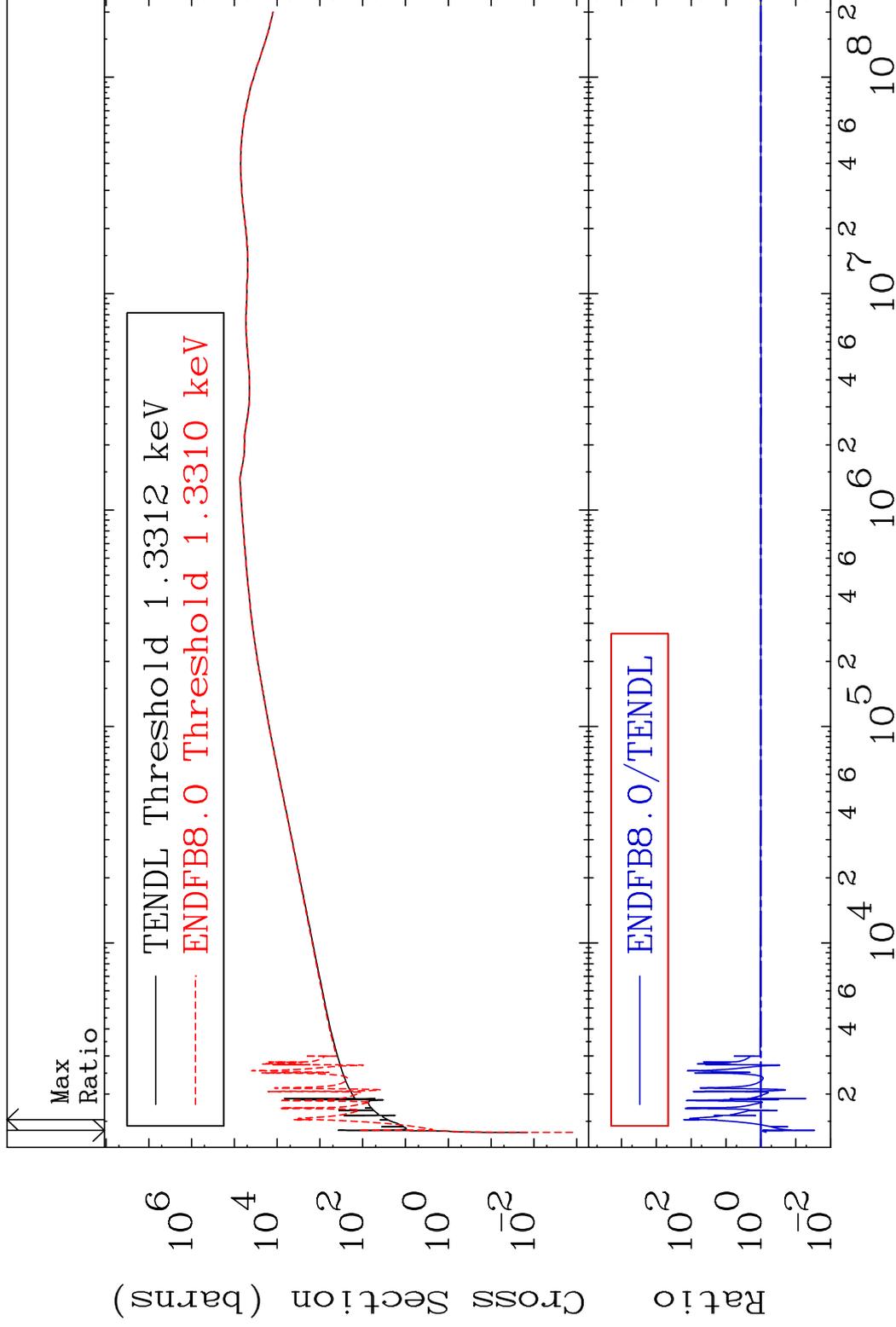
42-Mo-93

MAT 4228

Dpa elastic (mt2)

42-Mo-93

Cross Section -97.14 To 9999. %



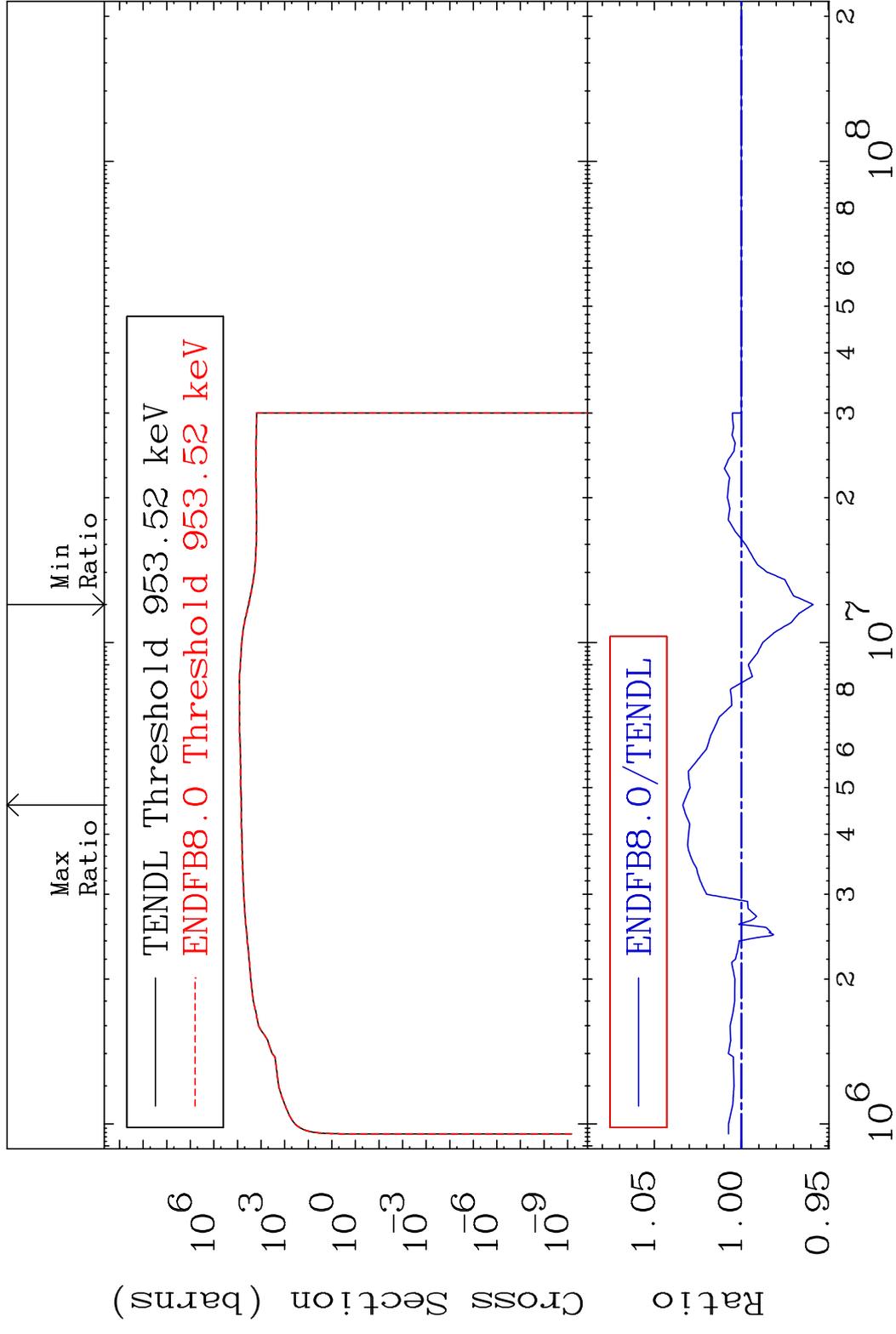
60

Incident Energy (eV)

42-Mo-93

MAT 4228

Dpa inelastic (mt51-91) 42-Mo-93
Cross Section -4.127 To 3.365 %

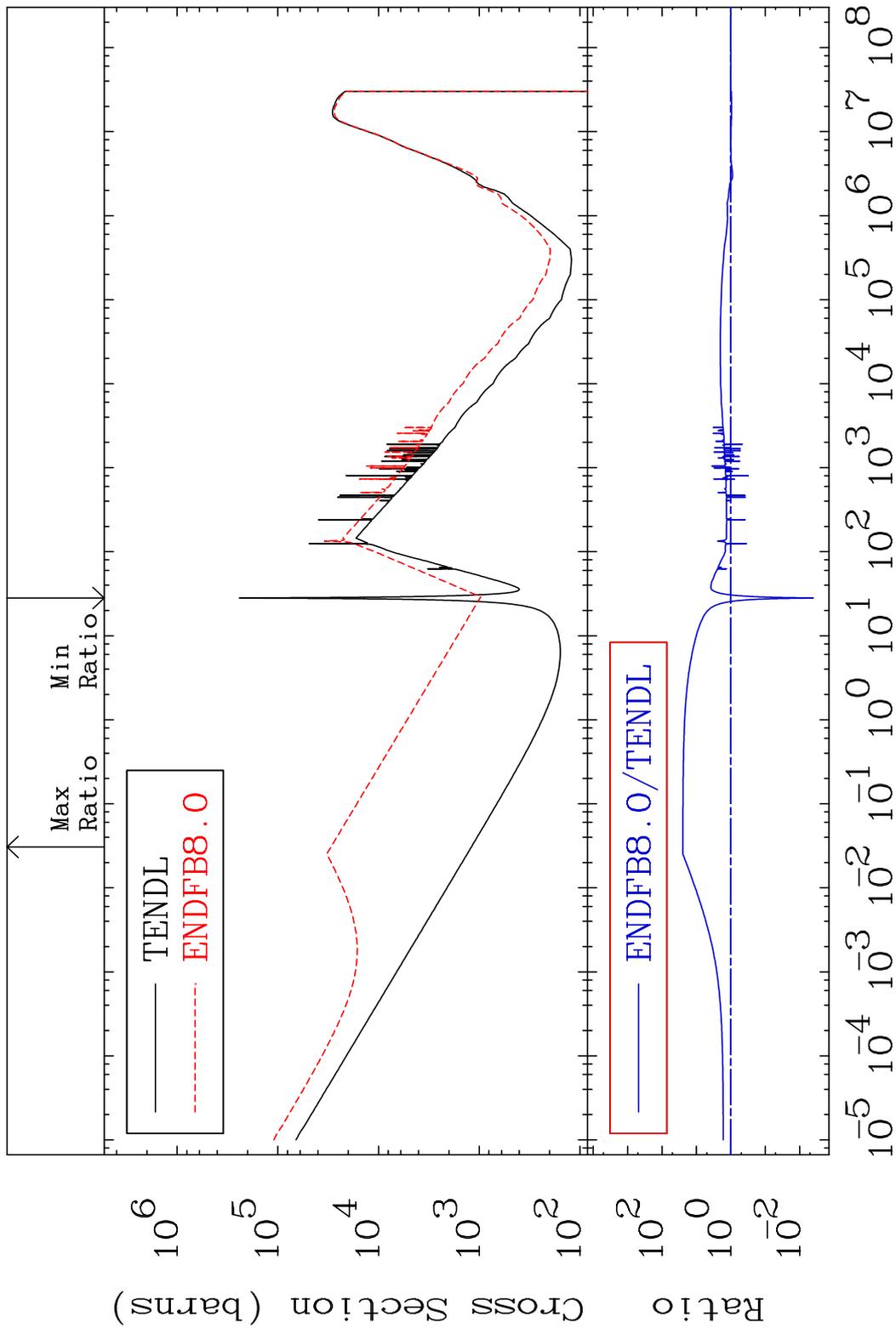


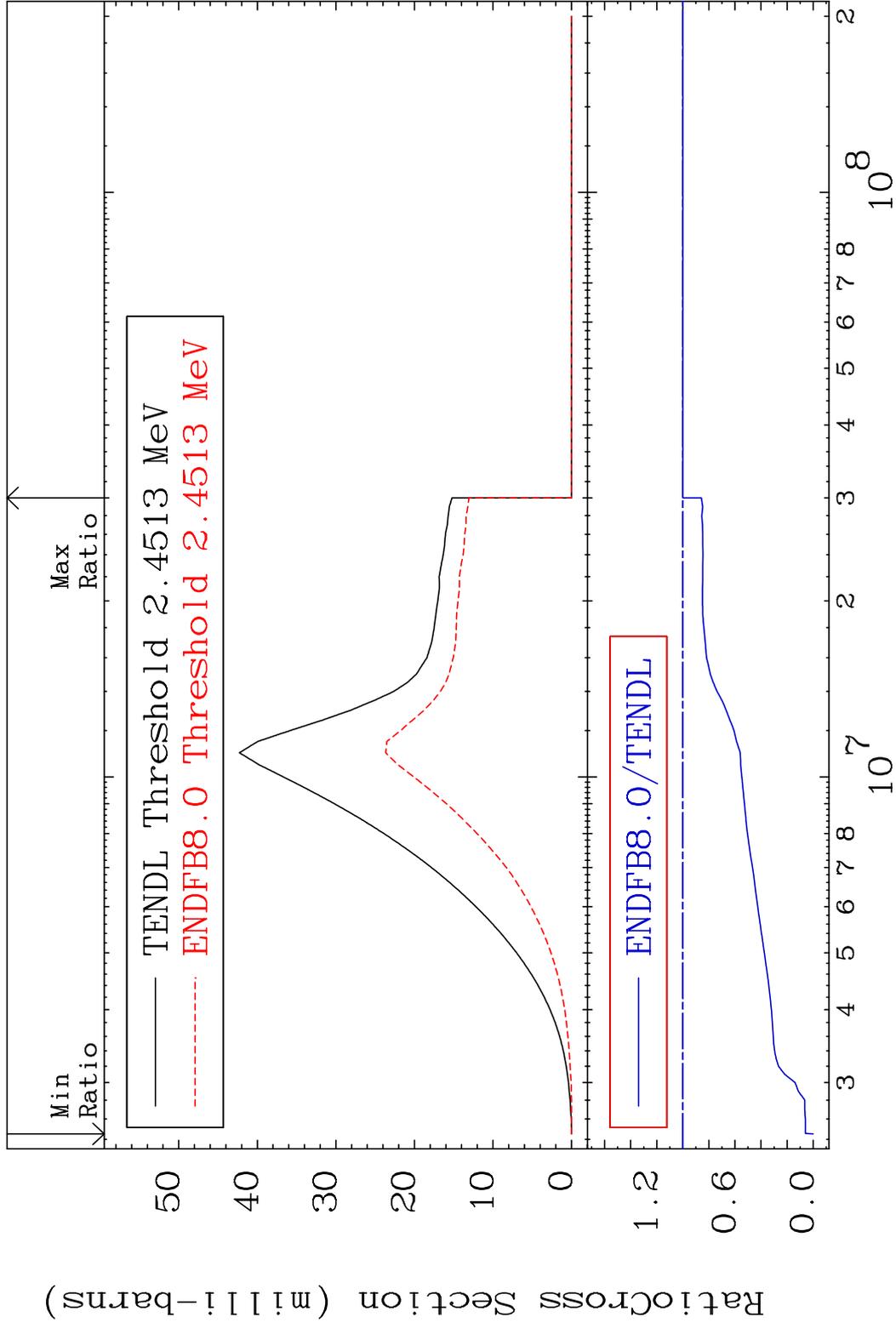
61

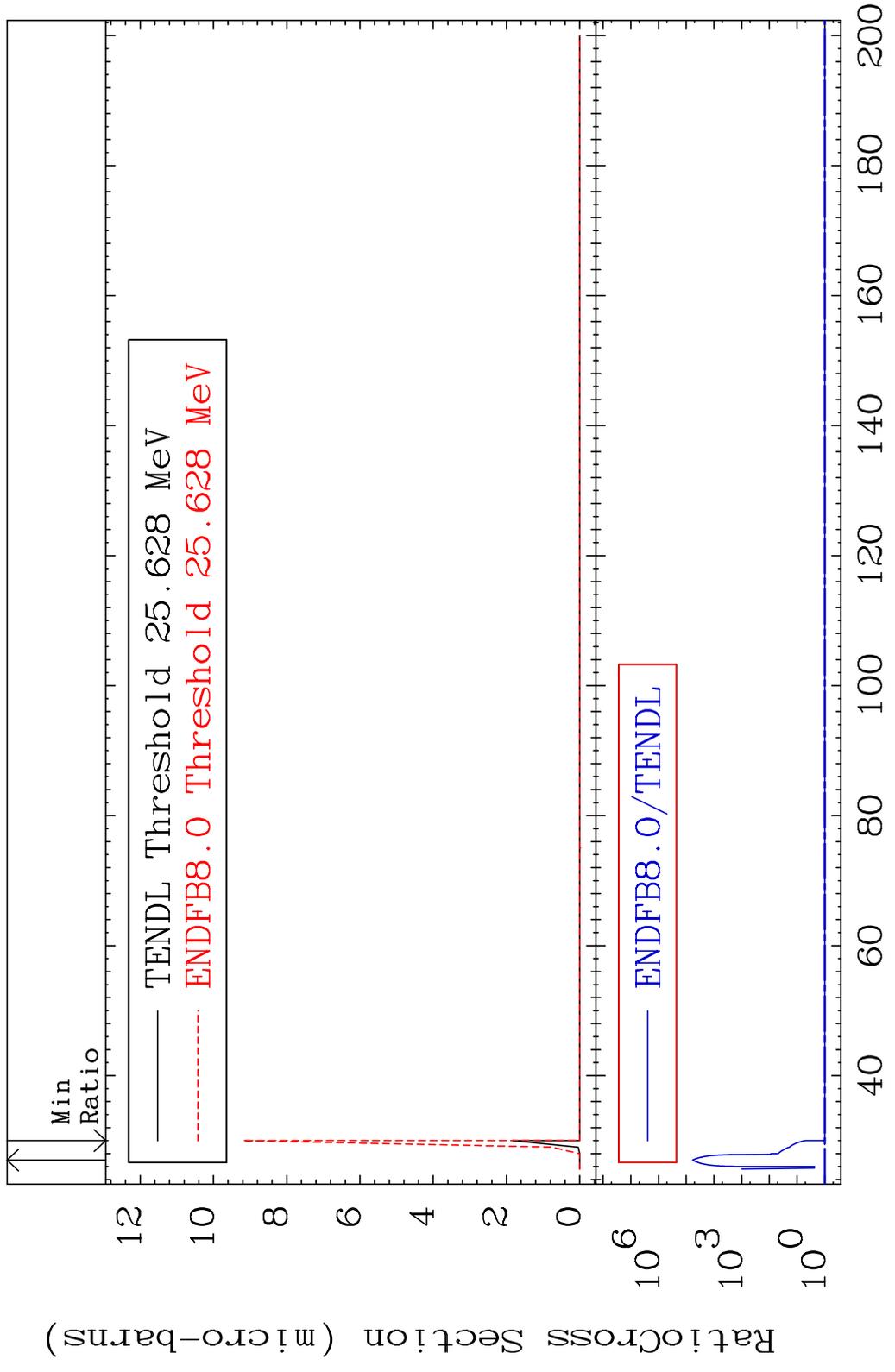
Incident Energy (eV)

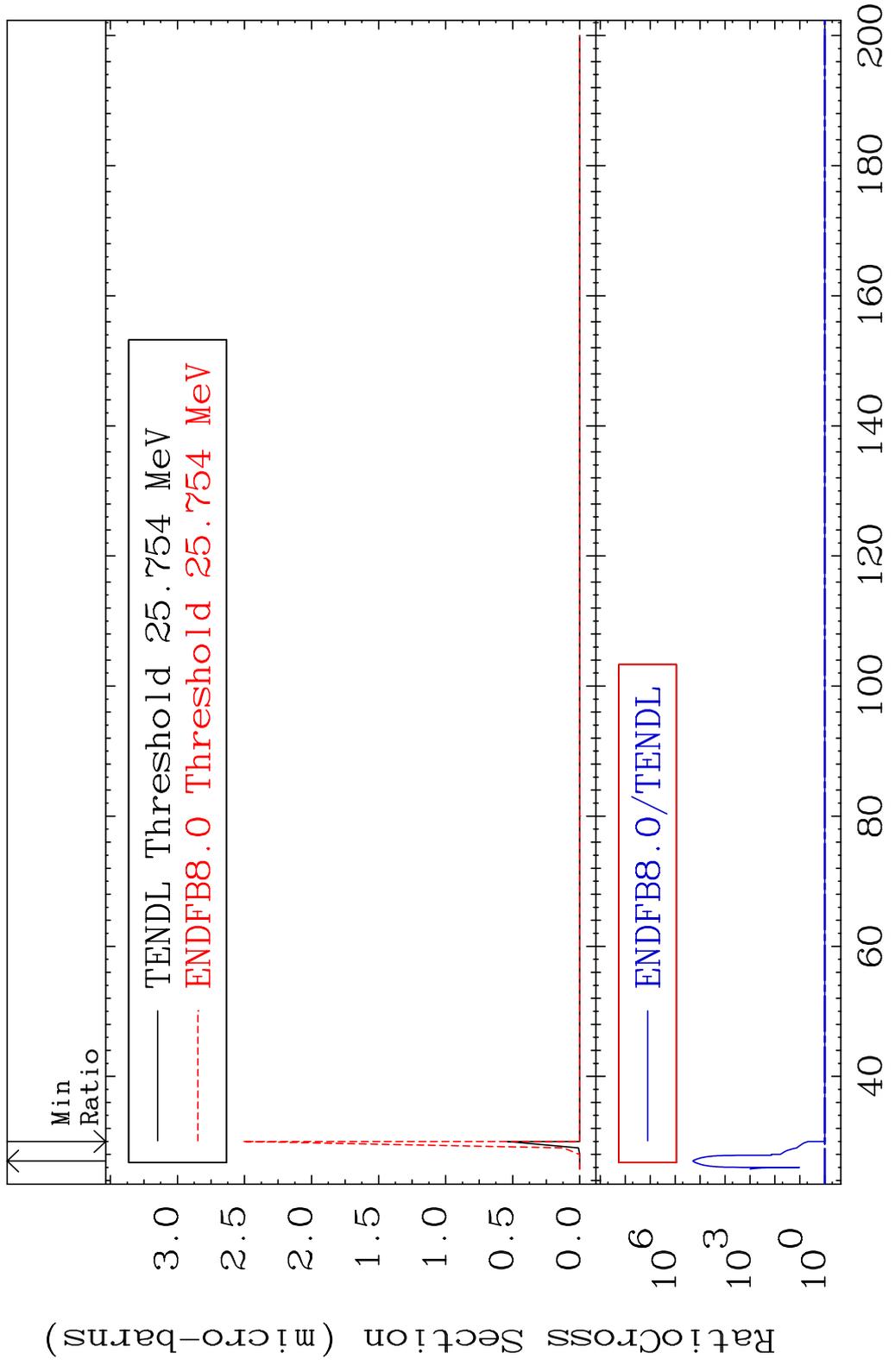
42-Mo-93

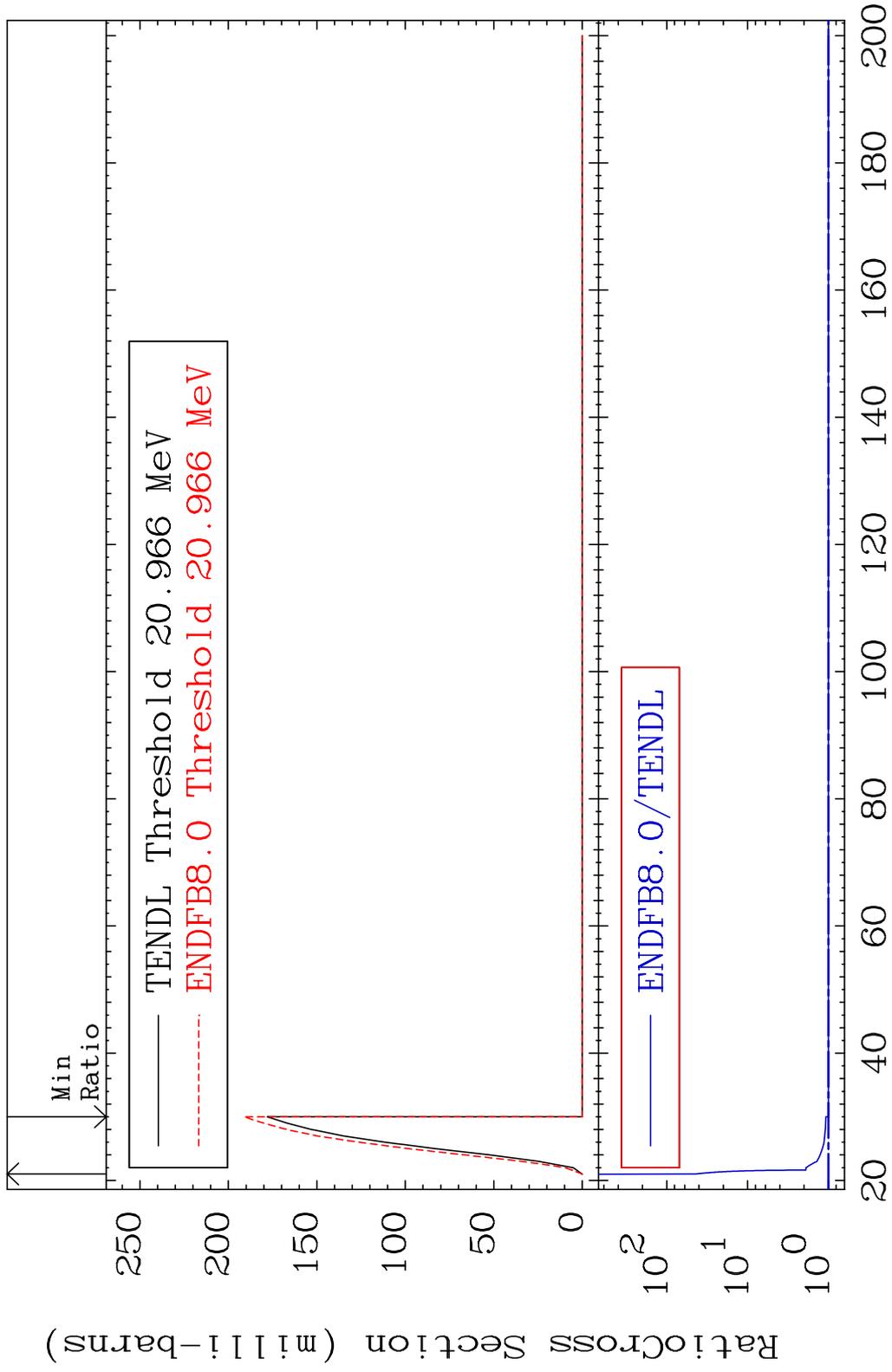
MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93
 Cross Section -99.59 To 2382. %



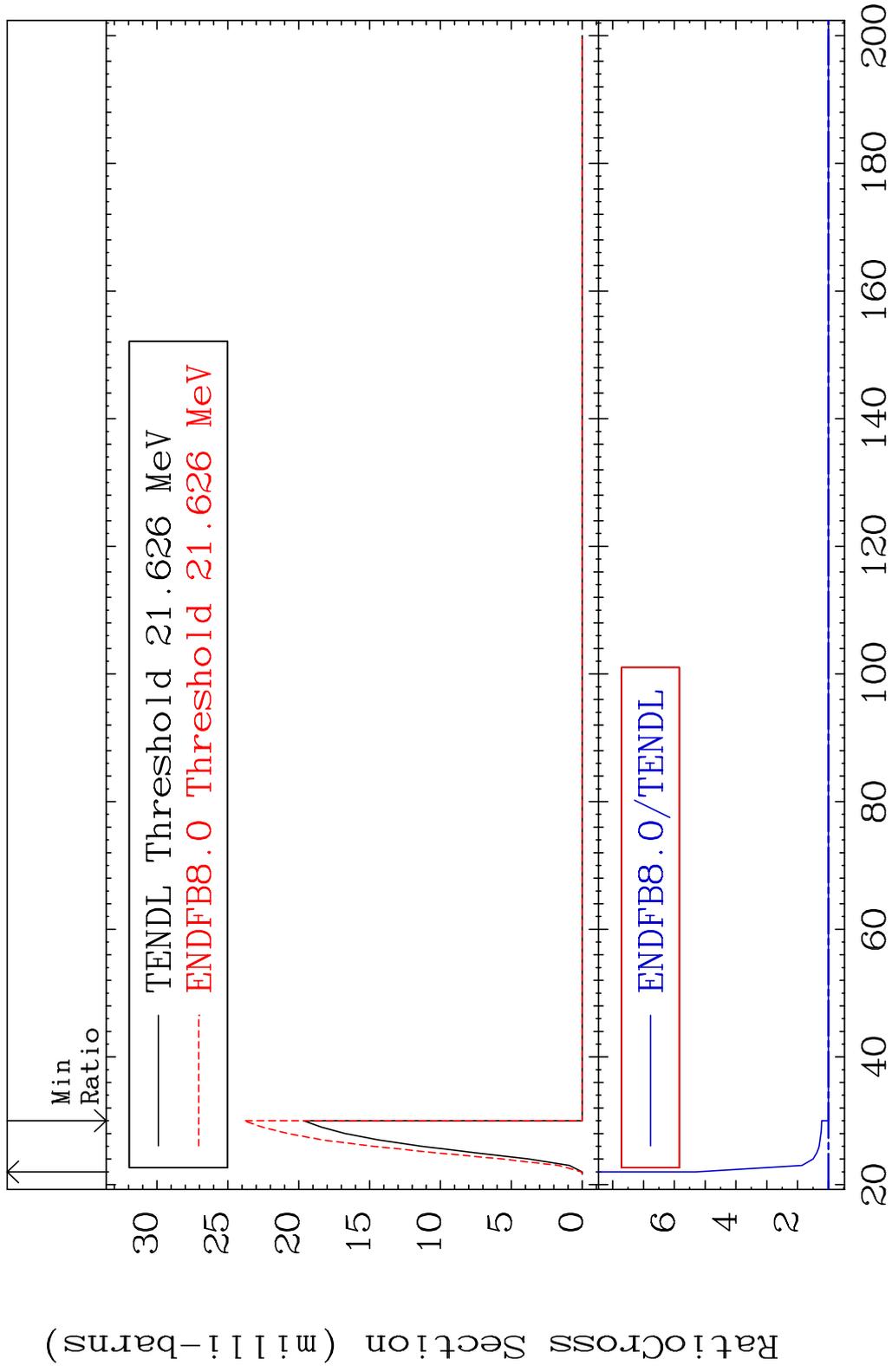


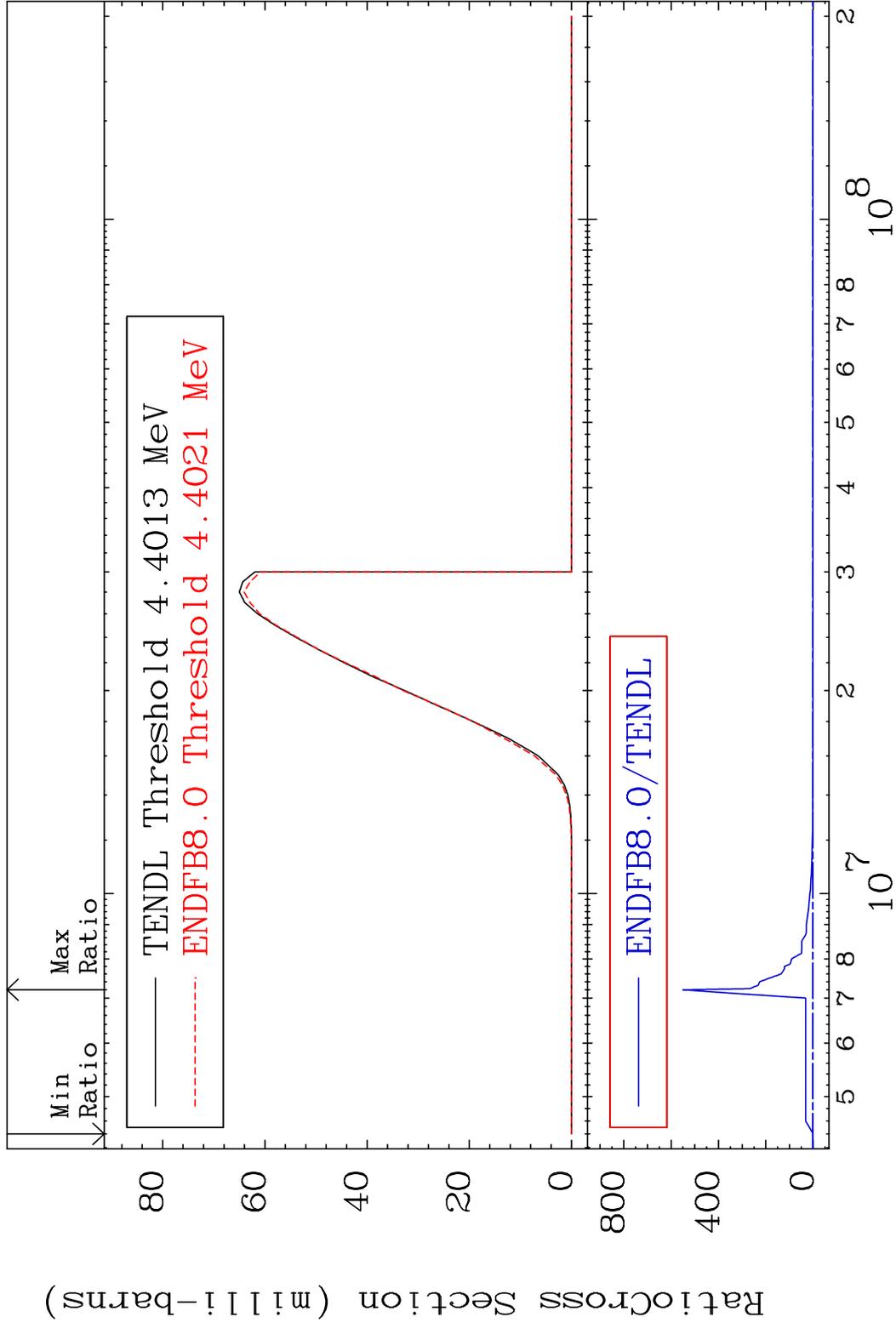




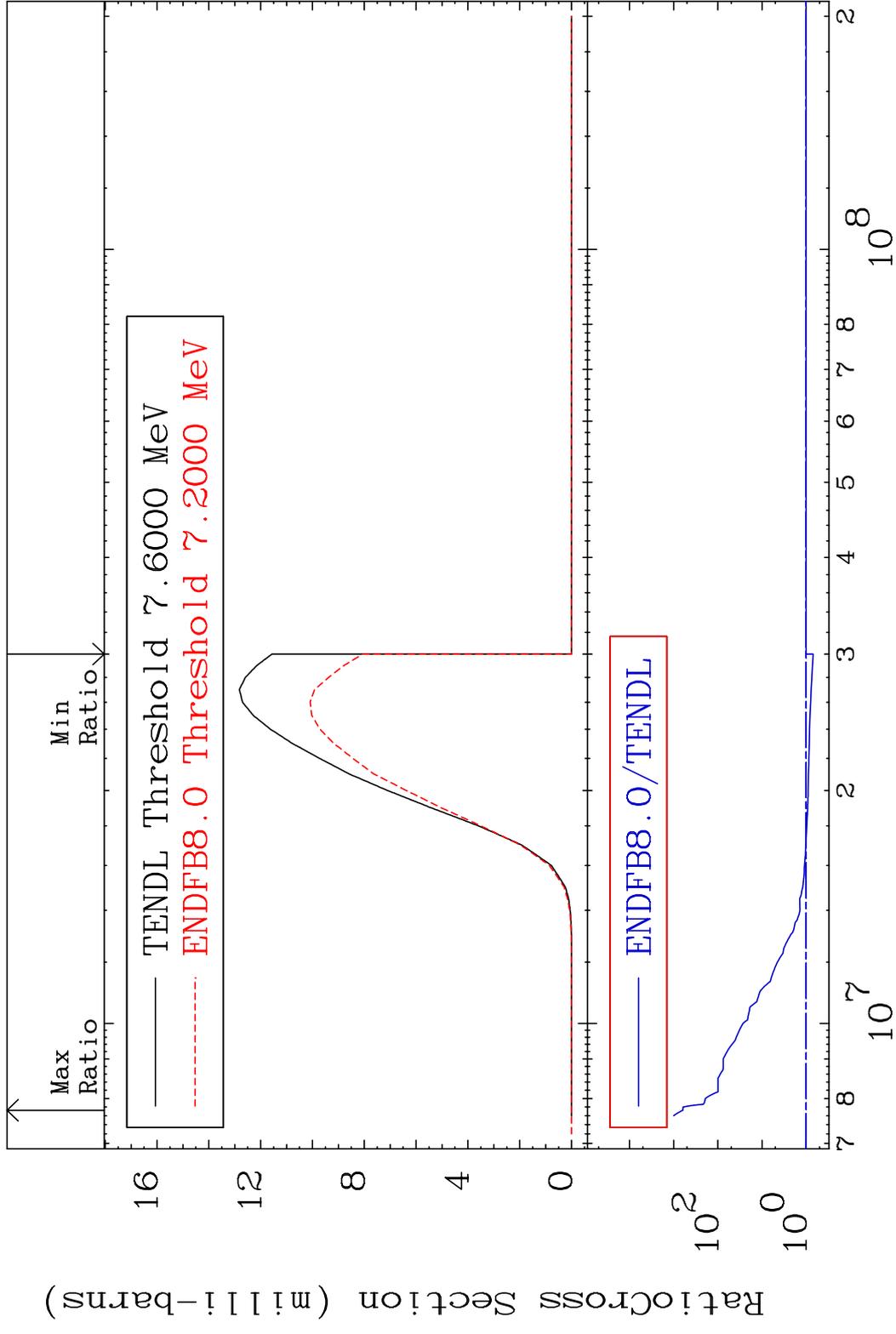


MAT 4228 (n,3n):42-Mo-91m1 42-Mo-93
 Radionuclide Production Cross Section 430.8 %

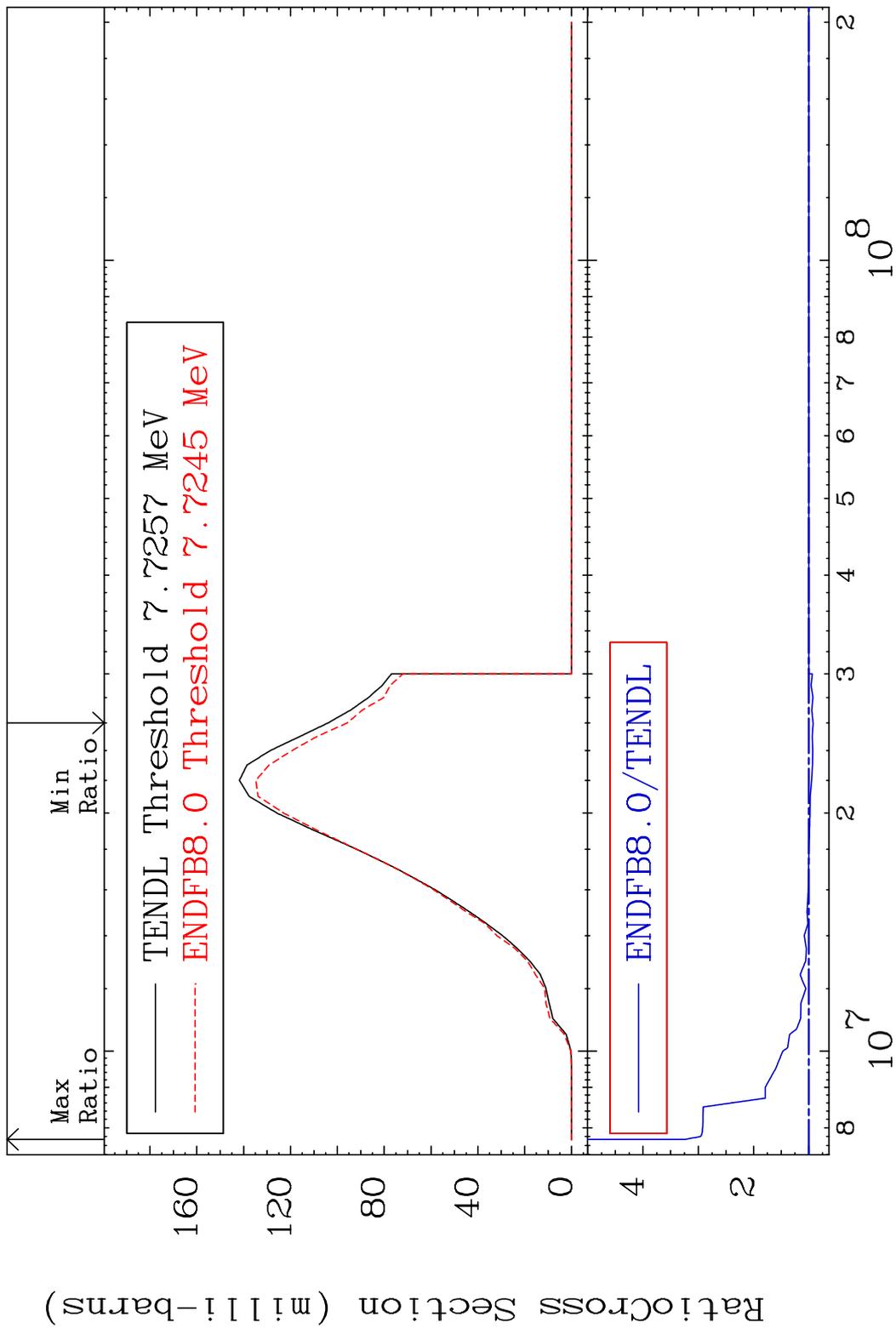




MAT 4228 (n, n') α :40-Zr-89m1 42-Mo-93
 Radionuclide Production Cross Section 30000000 9999. %

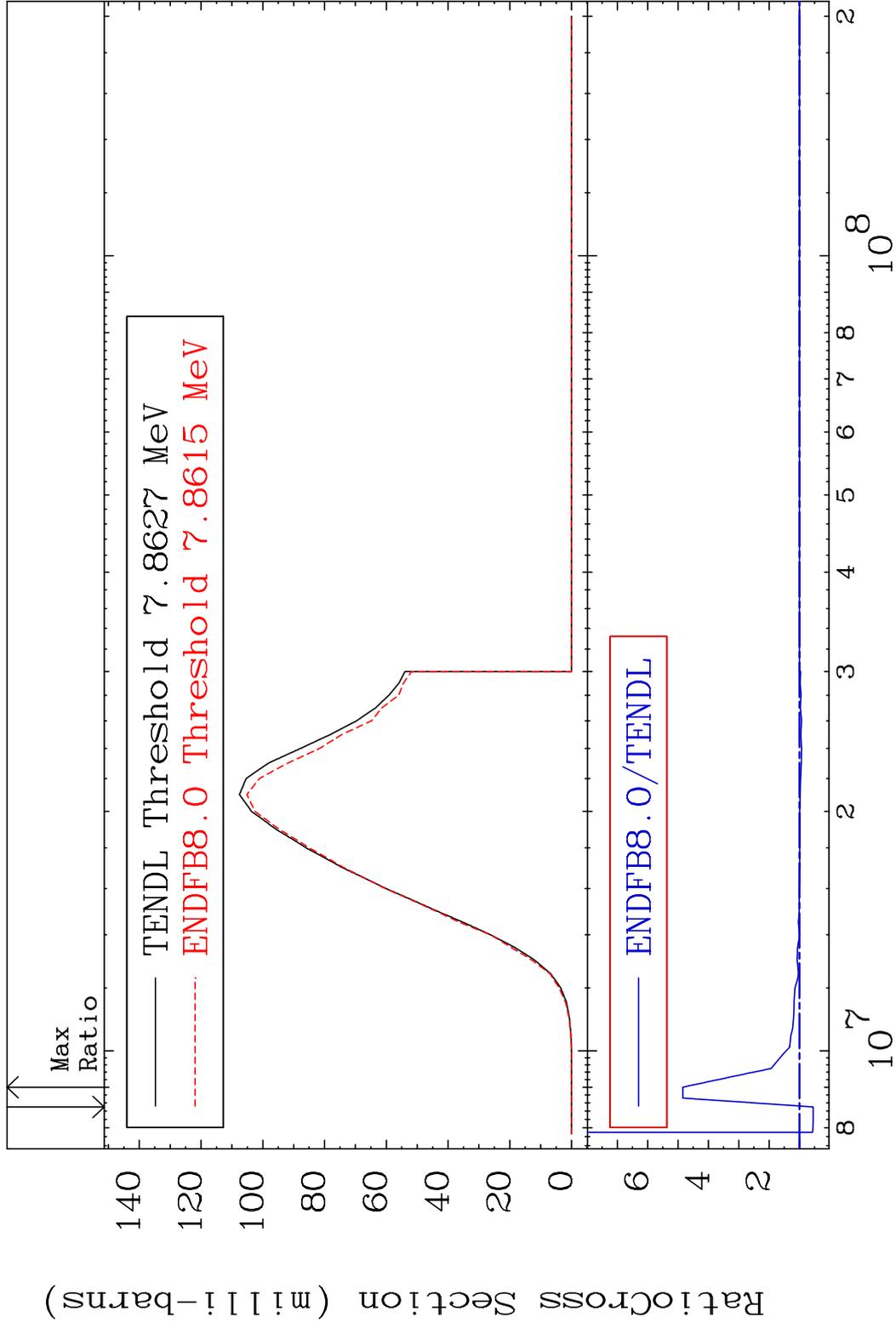


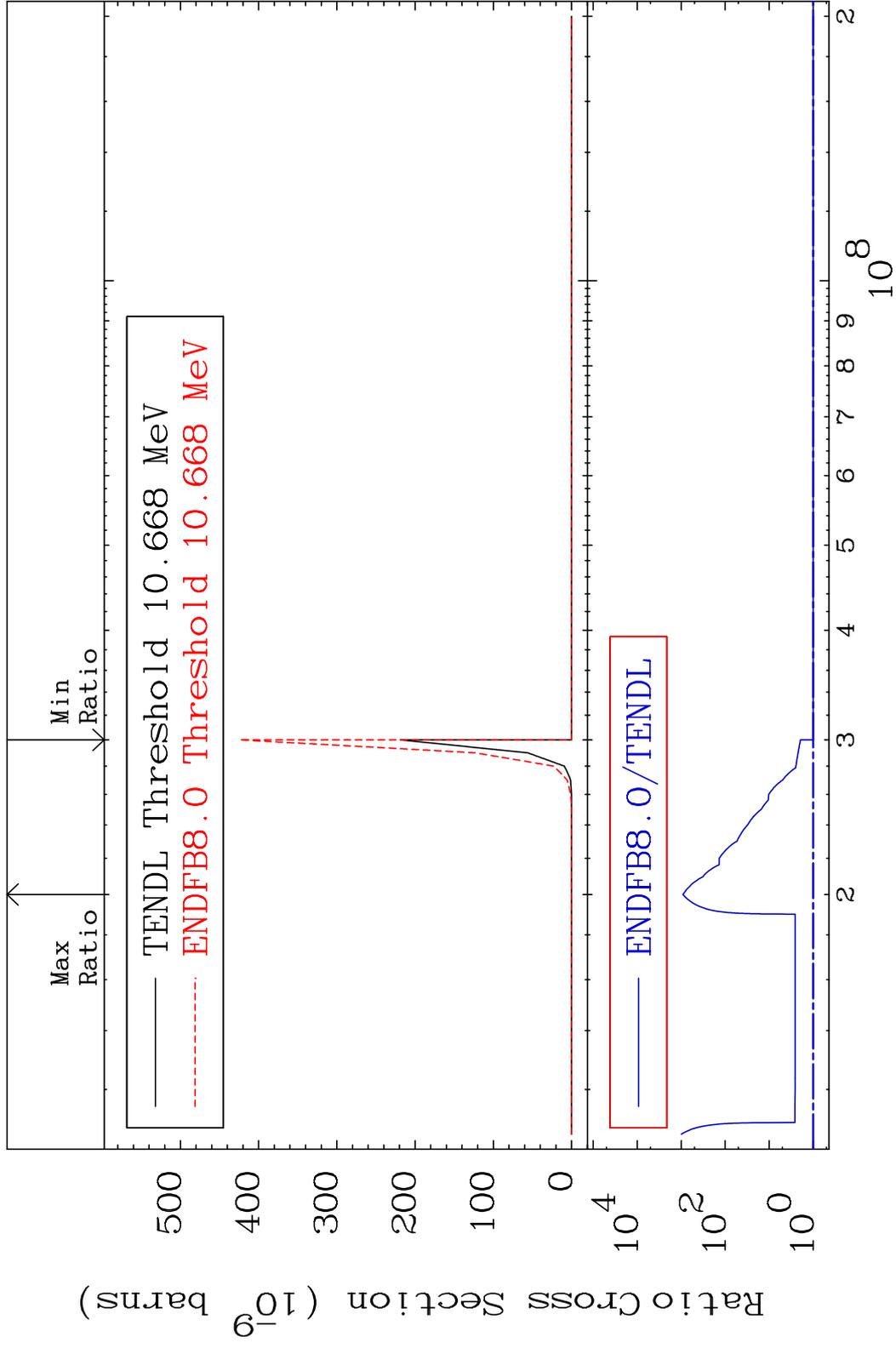
MAT 4228 (n, n') p:41-Nb-92g 42-Mo-93
 Radionuclide Production Cross Section 228.0 %

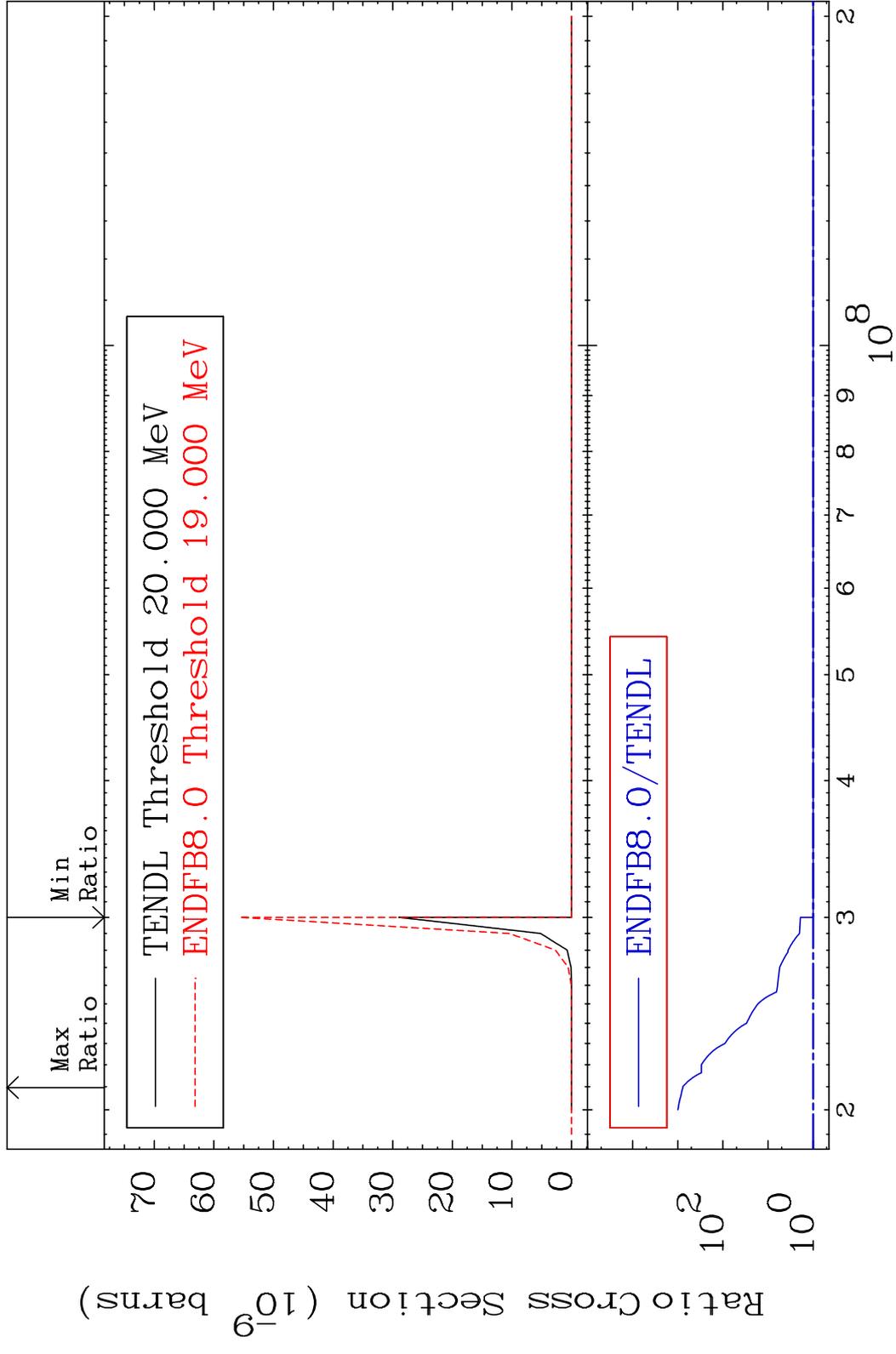


70 Incident Energy (eV) 42-Mo-93

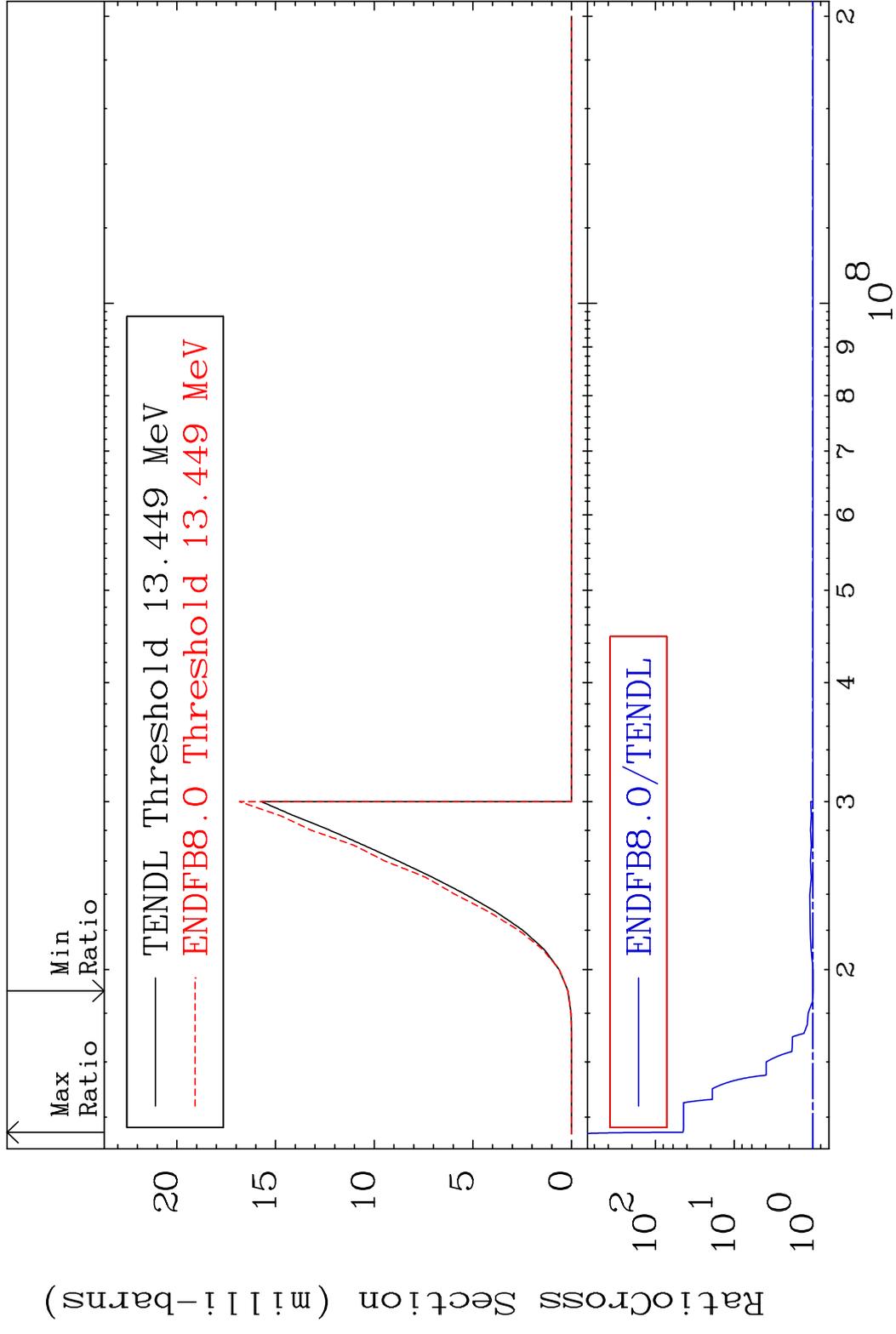
MAT 4228 (n, n') p:41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 45.64 mb 384.1 %

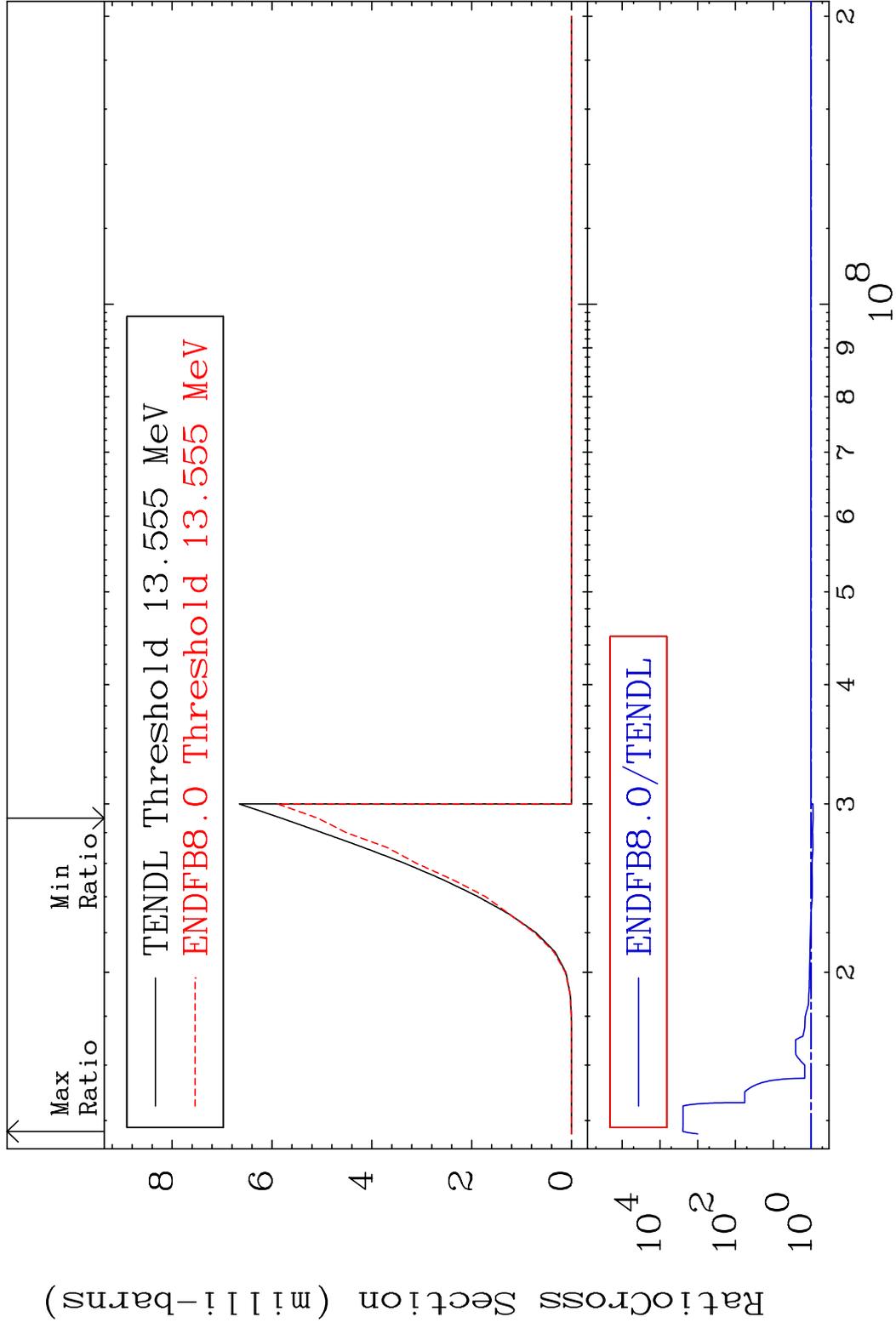


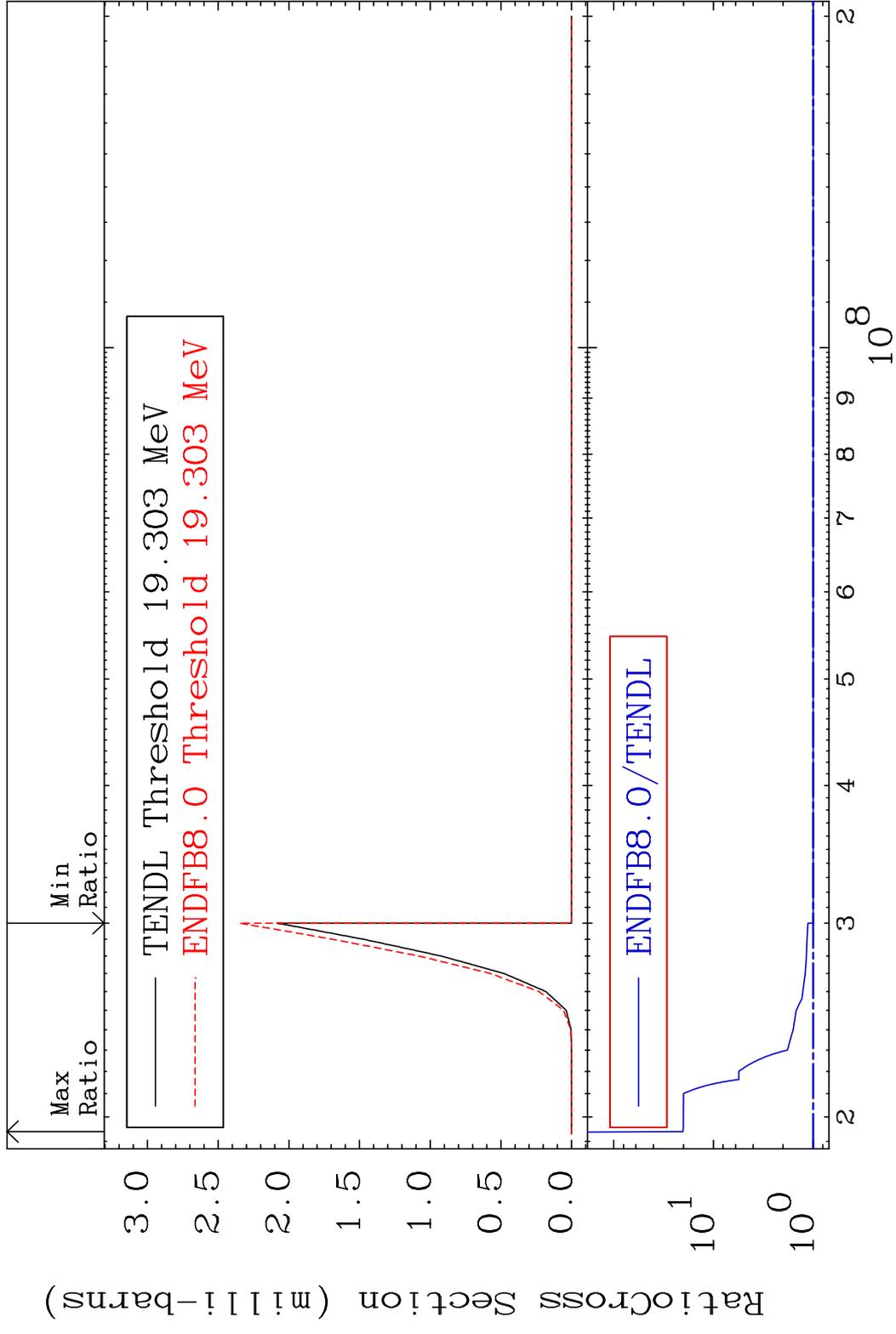




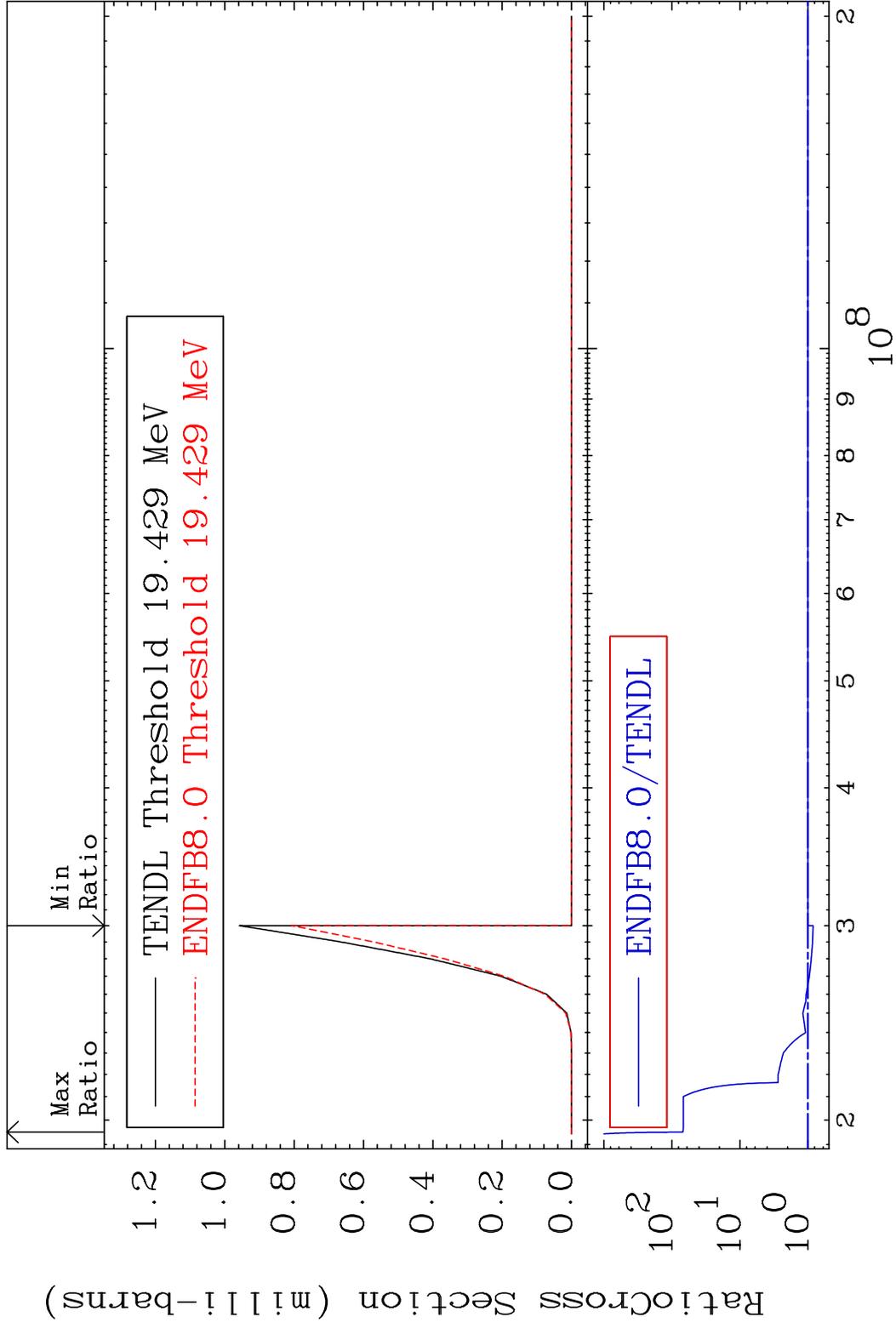
MAT 4228 (n, n') d:41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 4407. %

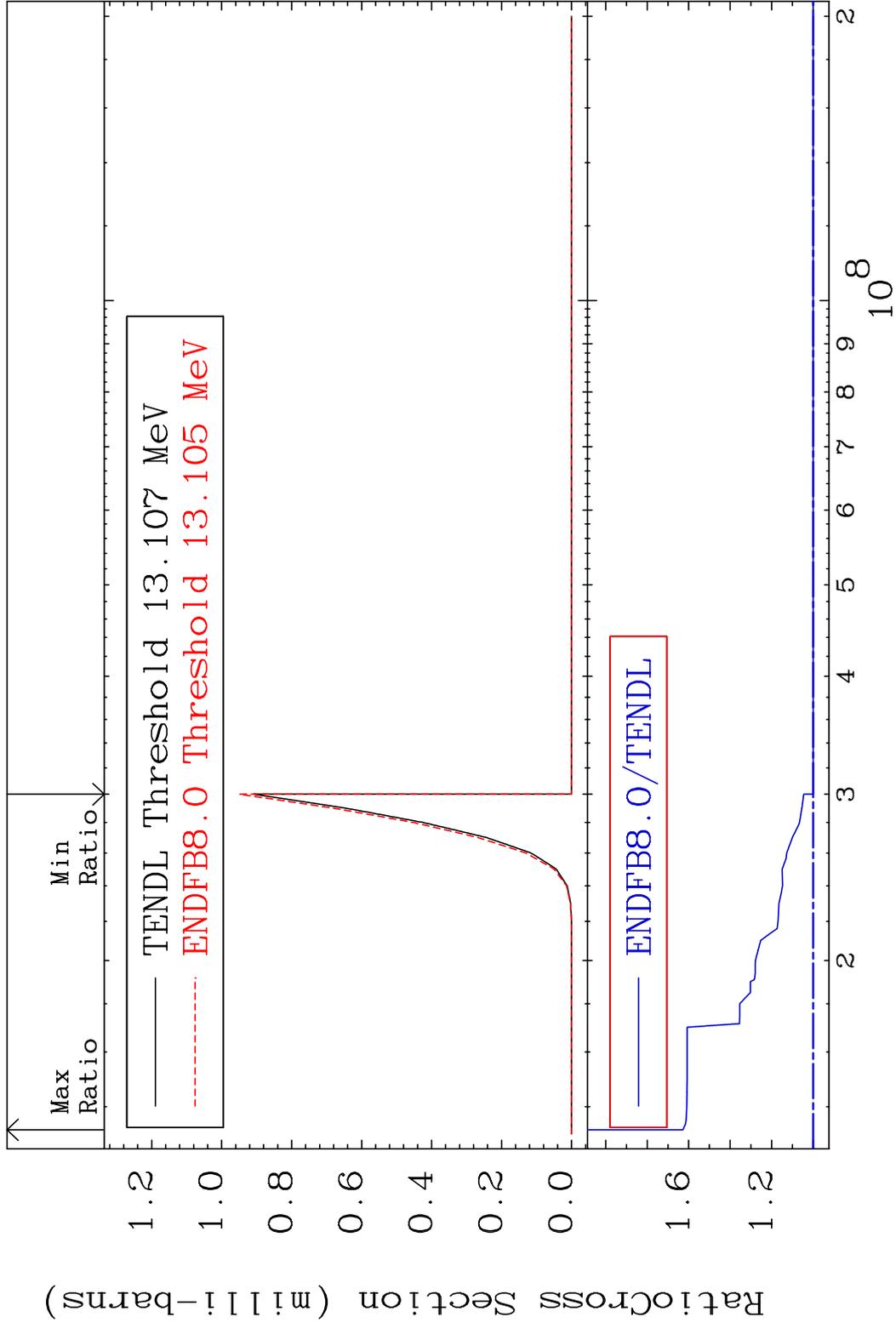




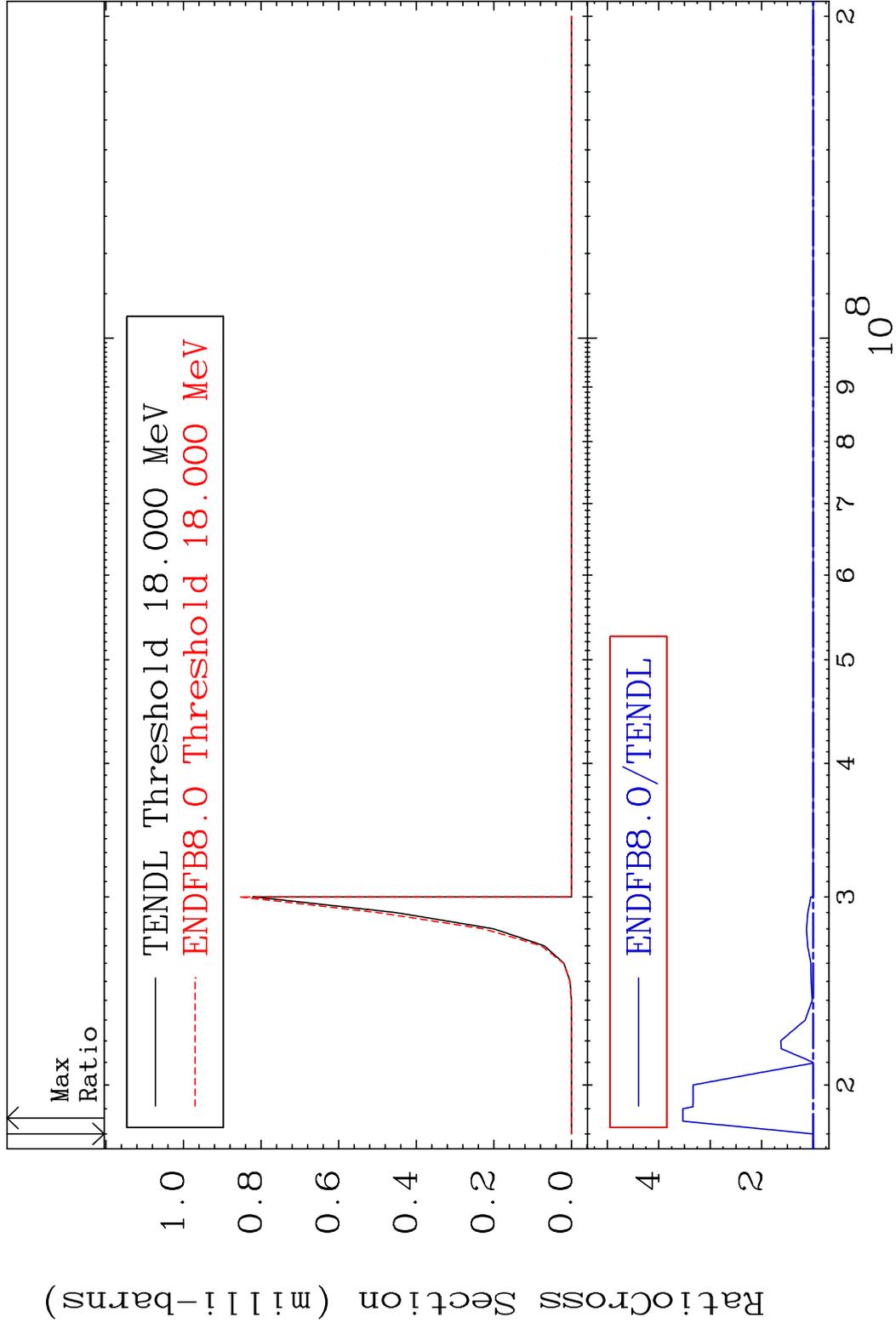


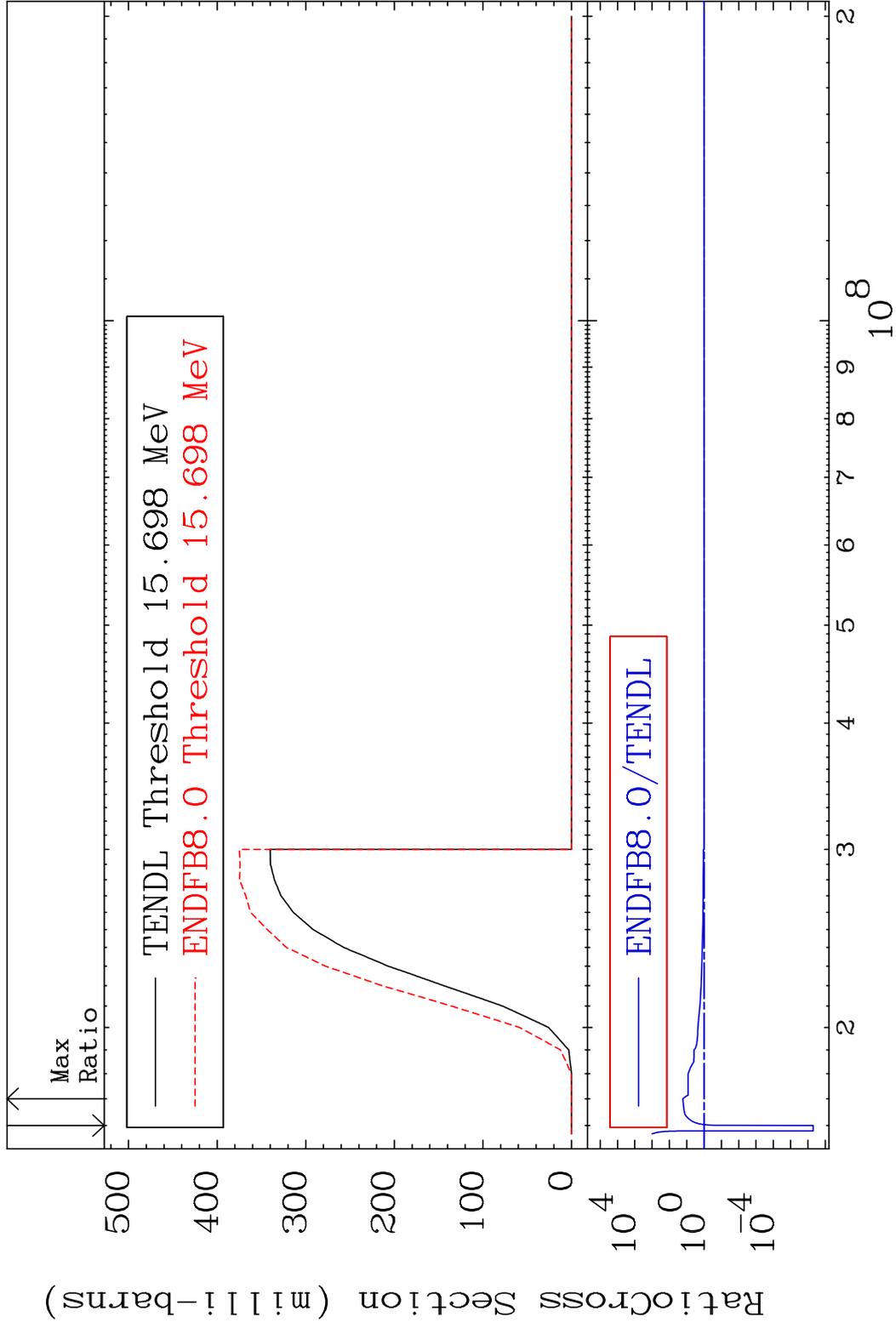
MAT 4228 (n, n') t:41-Nb-90m2 42-Mo-93
 Radionuclide Production Cross Section 6814. %

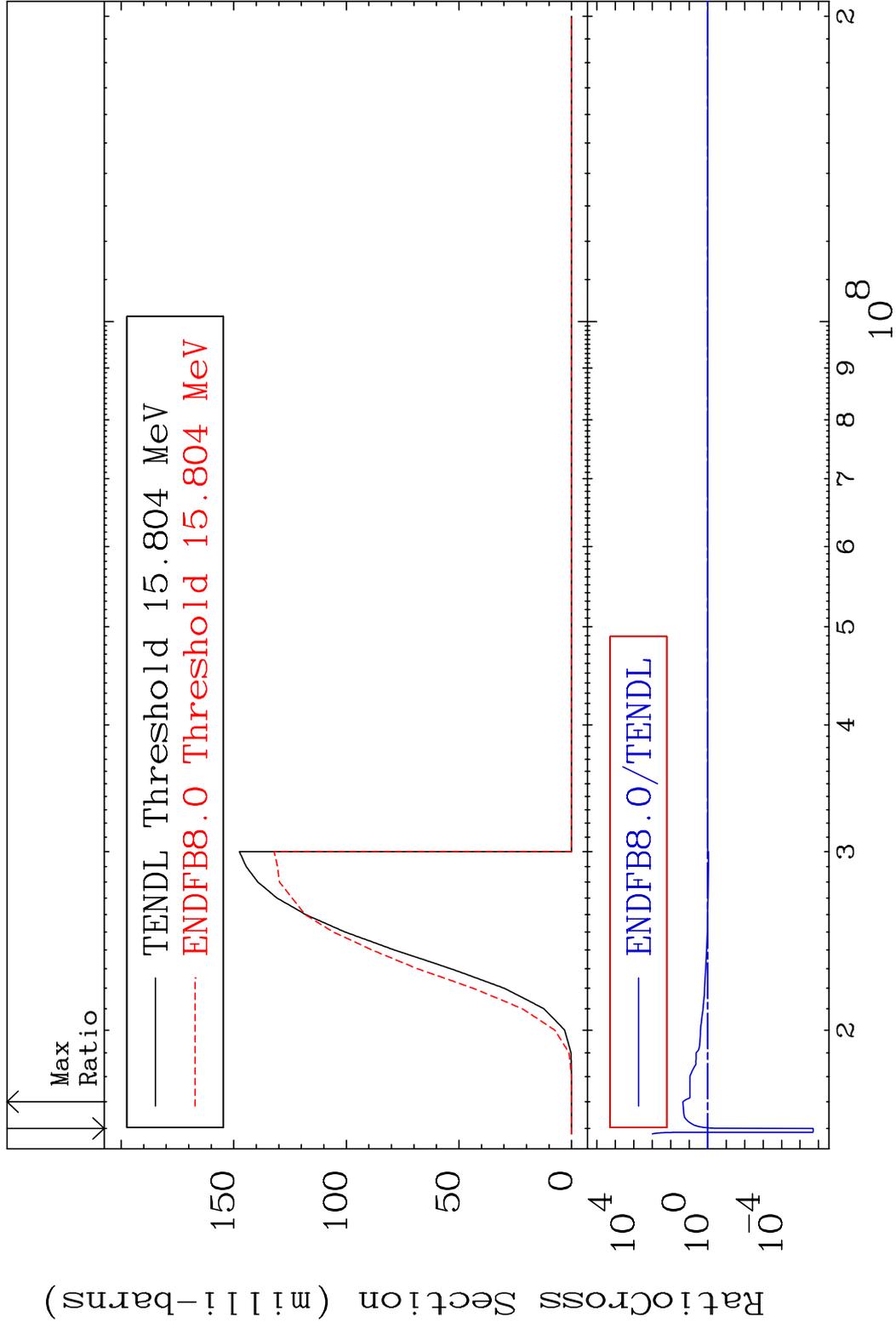


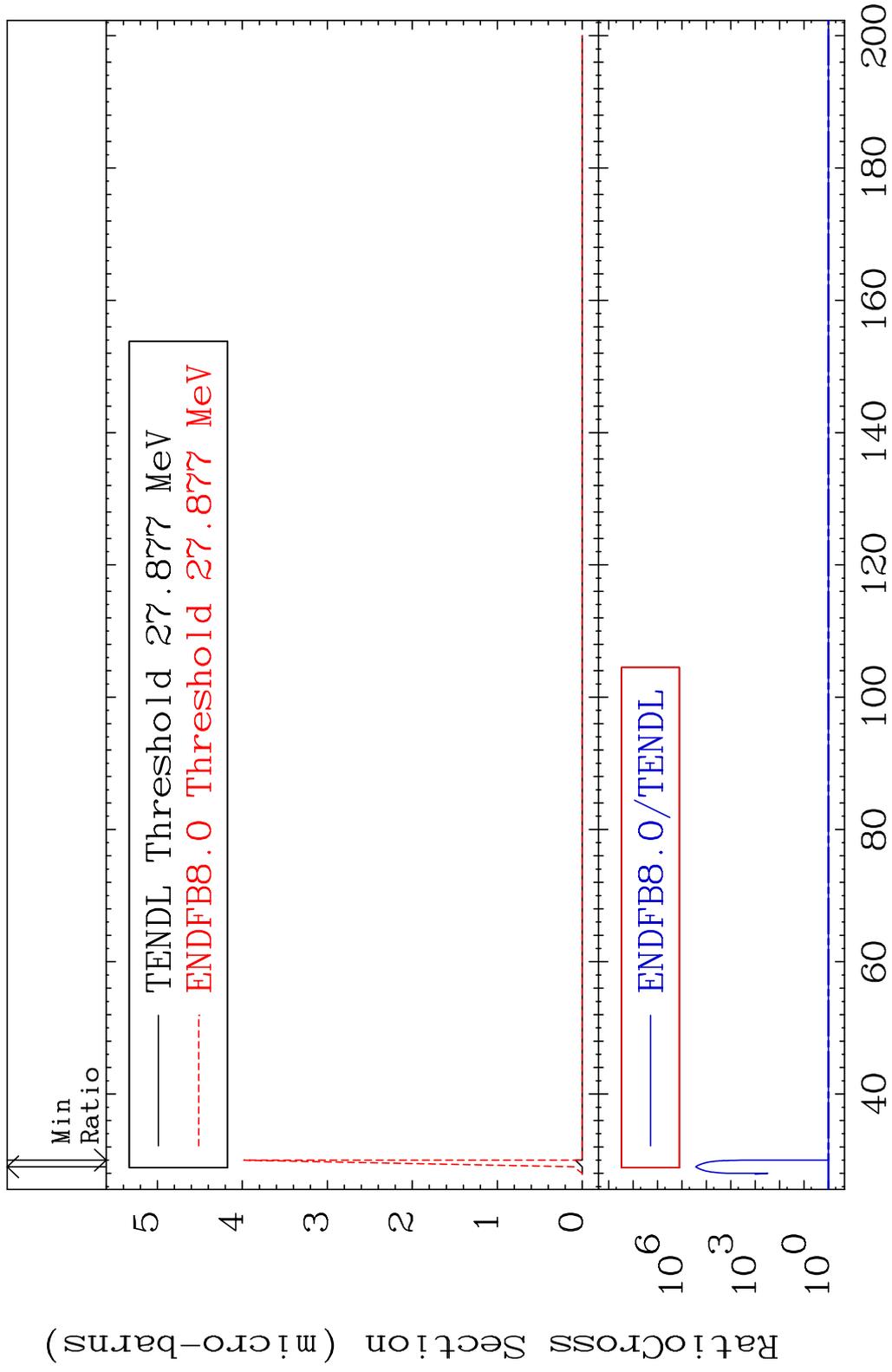


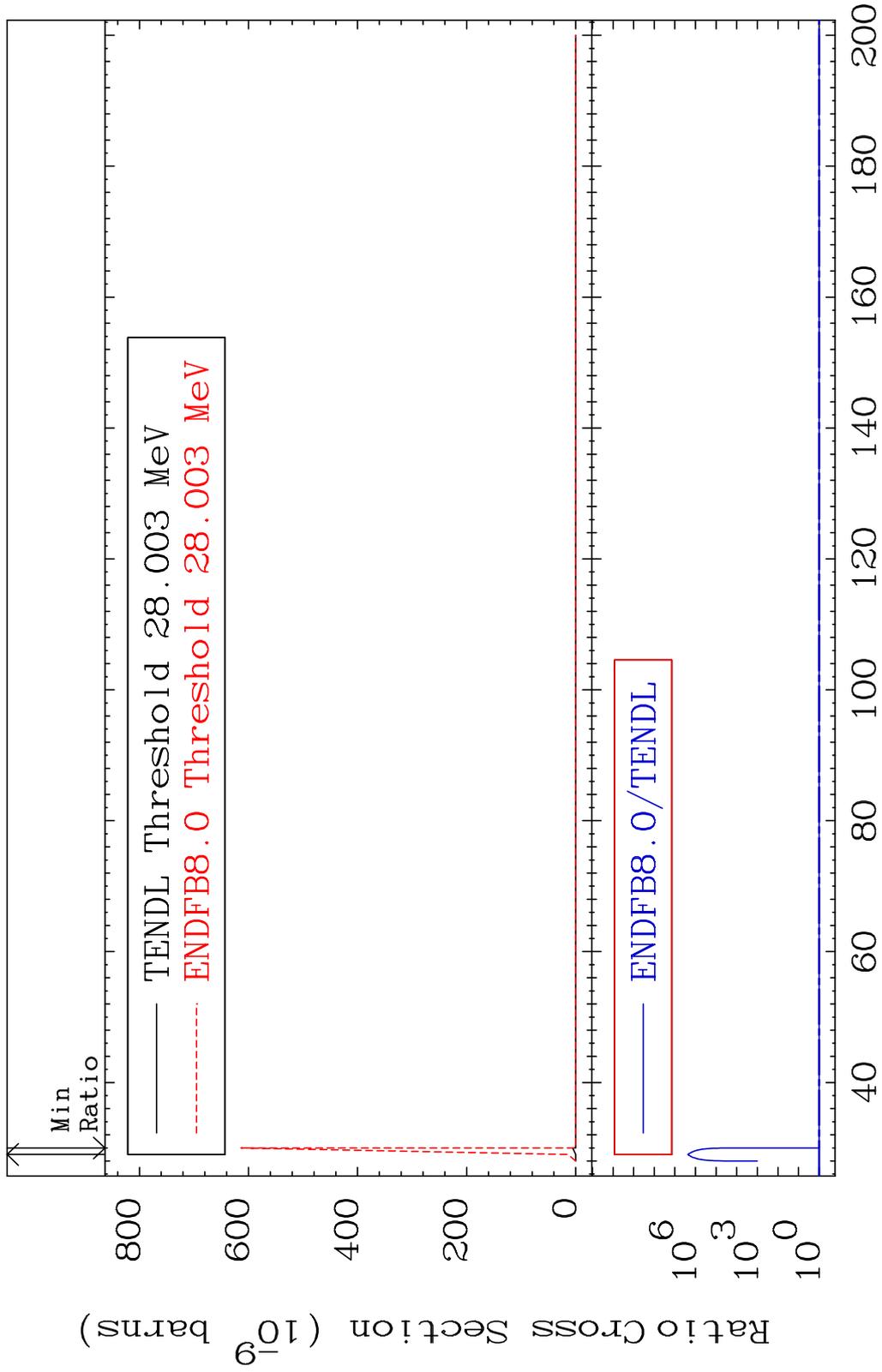
MAT 4228 (n, n') He-3:40-Zr-90m3 42-Mo-93
 Radionuclide Production Cross Section 253.2 %

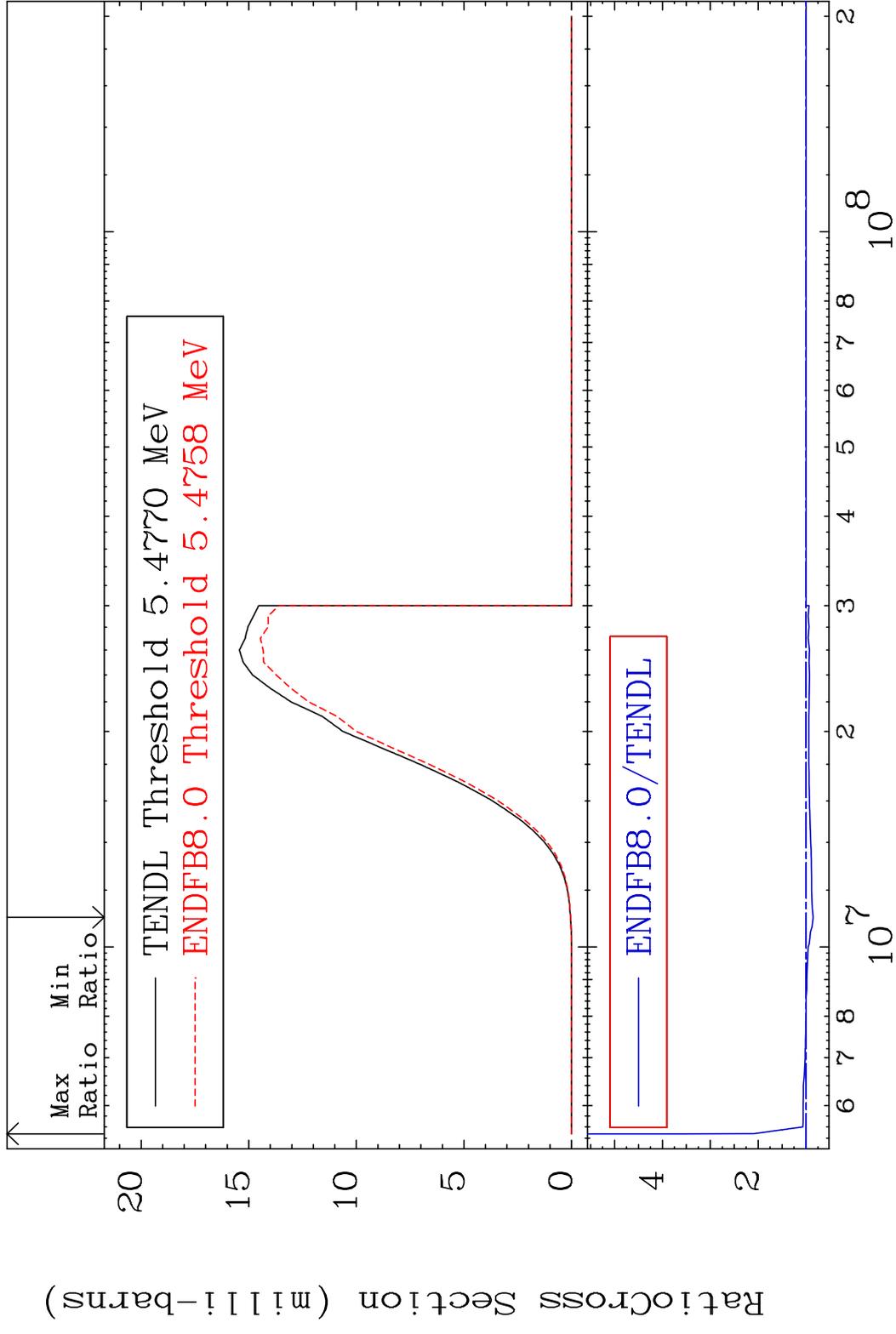


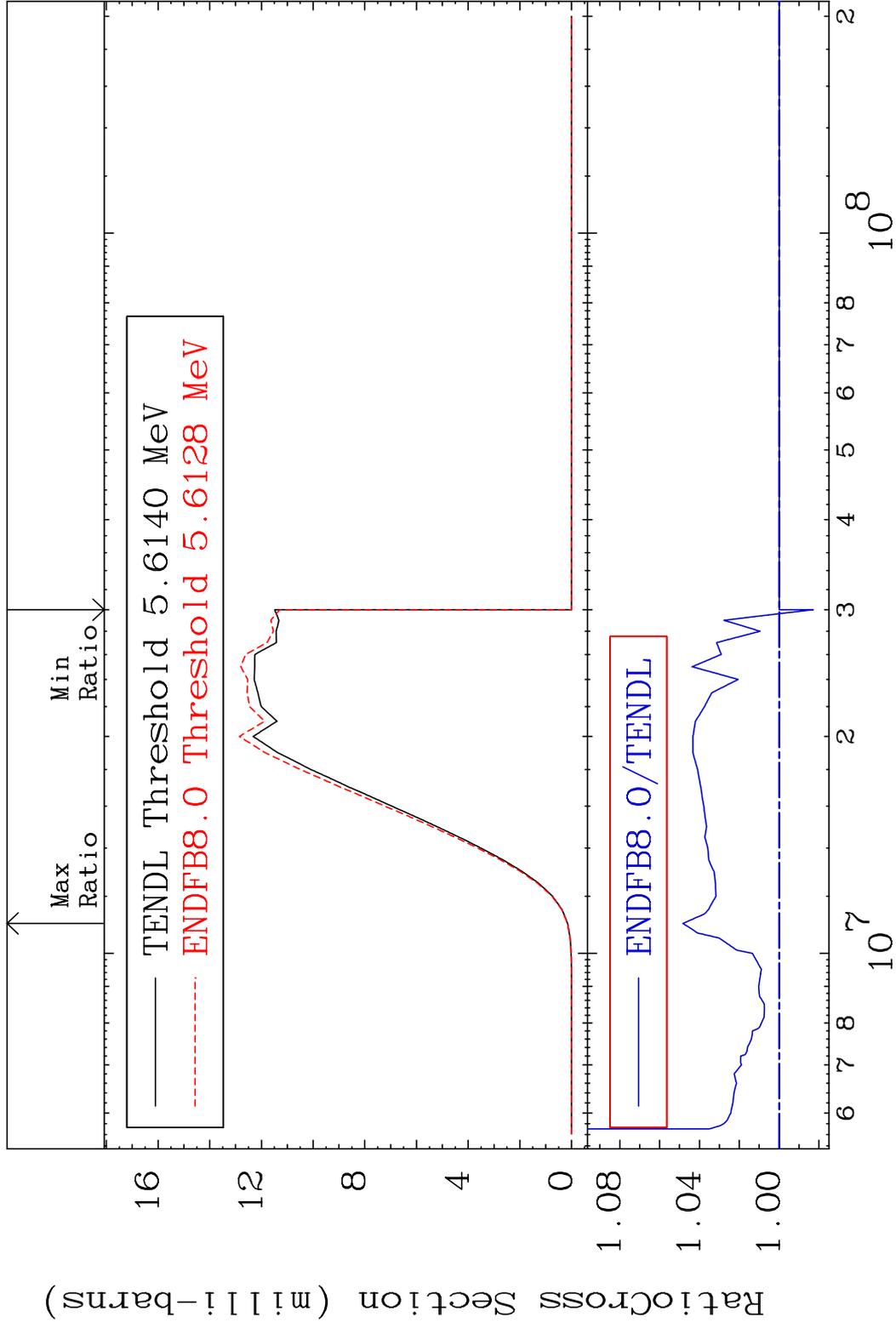




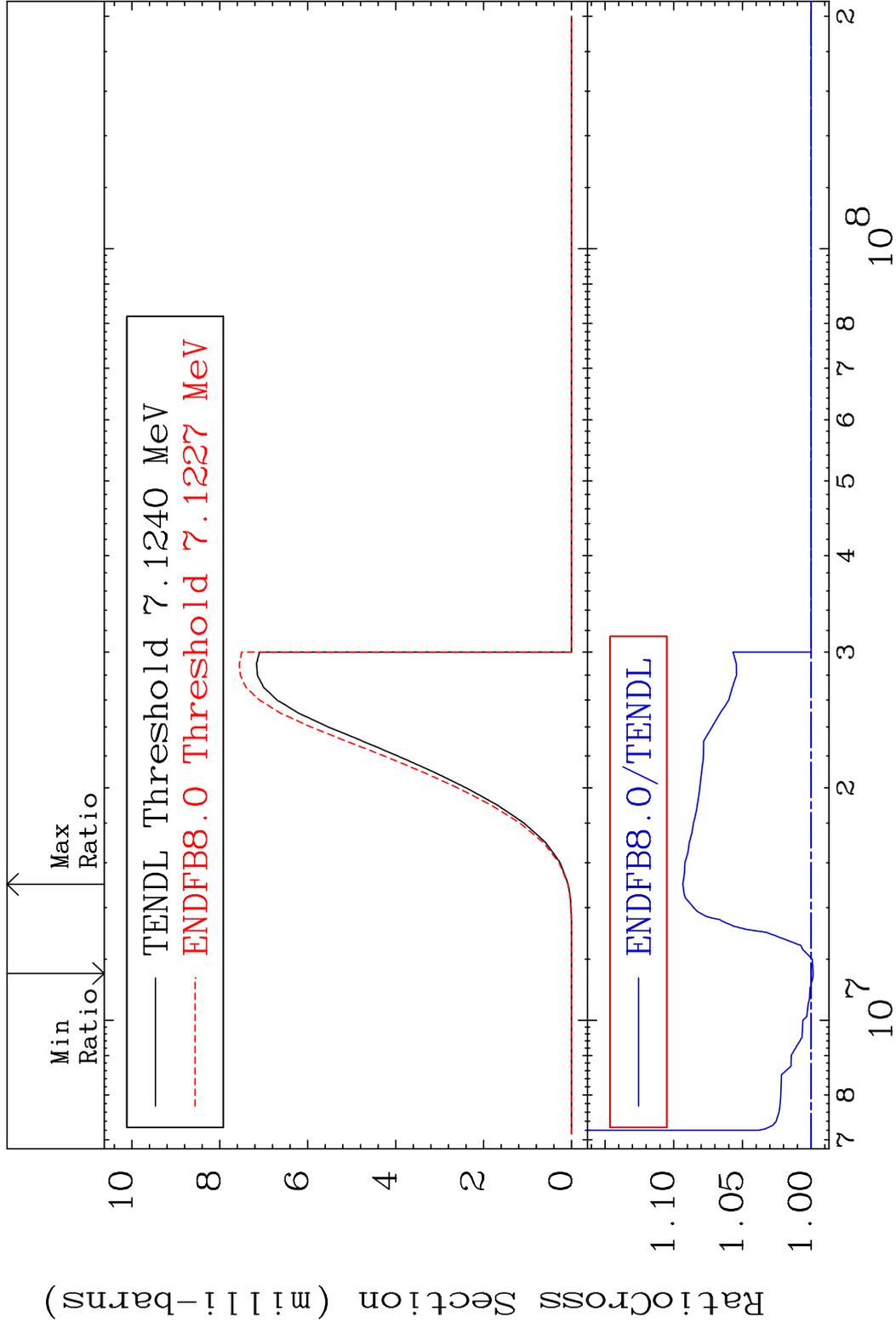




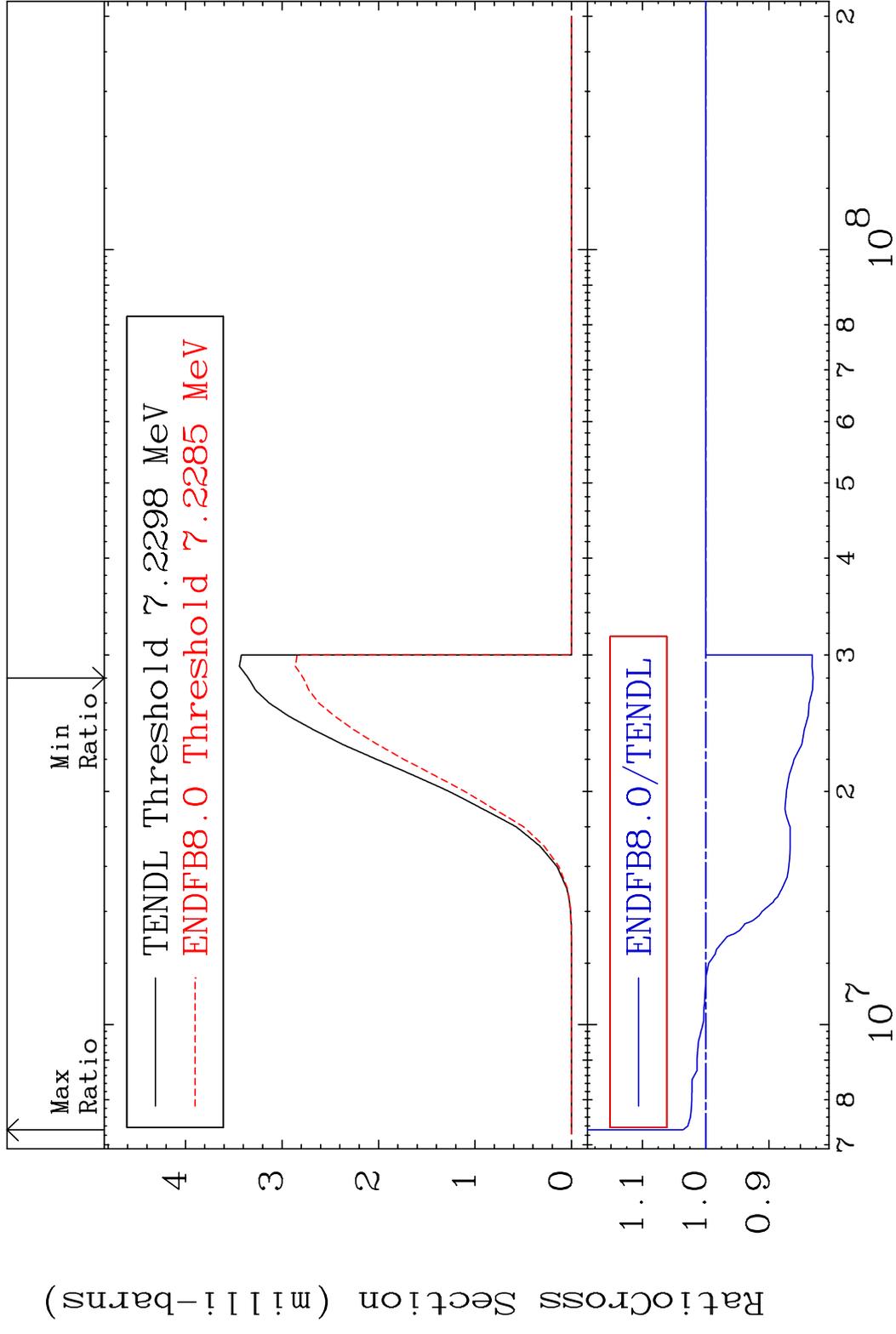


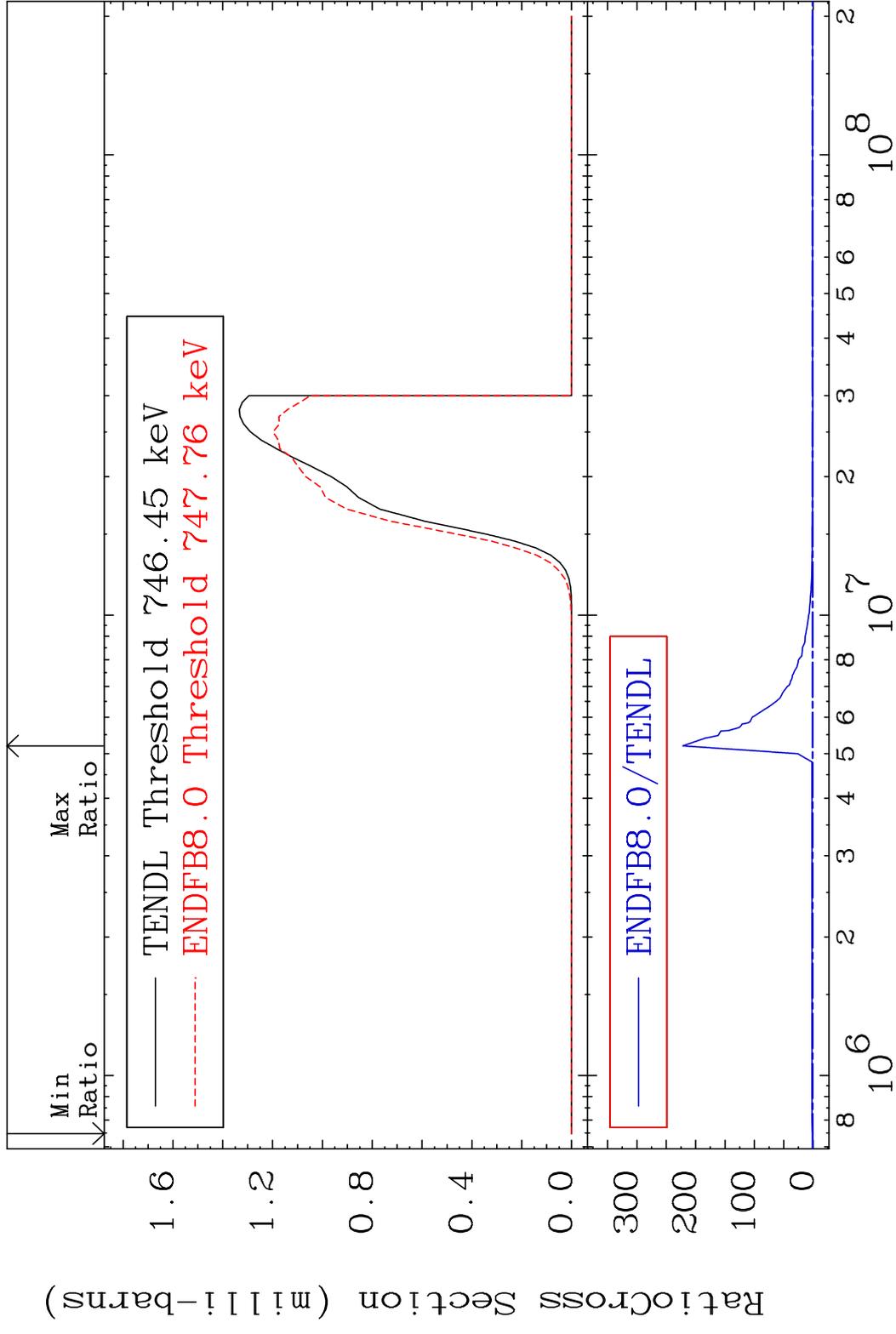


MAT 4228 (n, t): 41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 9.334 %



MAT 4228 (n, t): 41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 3.613 %





MAT 4228 (n,p) α :39-Y -89m1 42-Mo-93
 Radionuclide Production Cross Section 9999. %

