

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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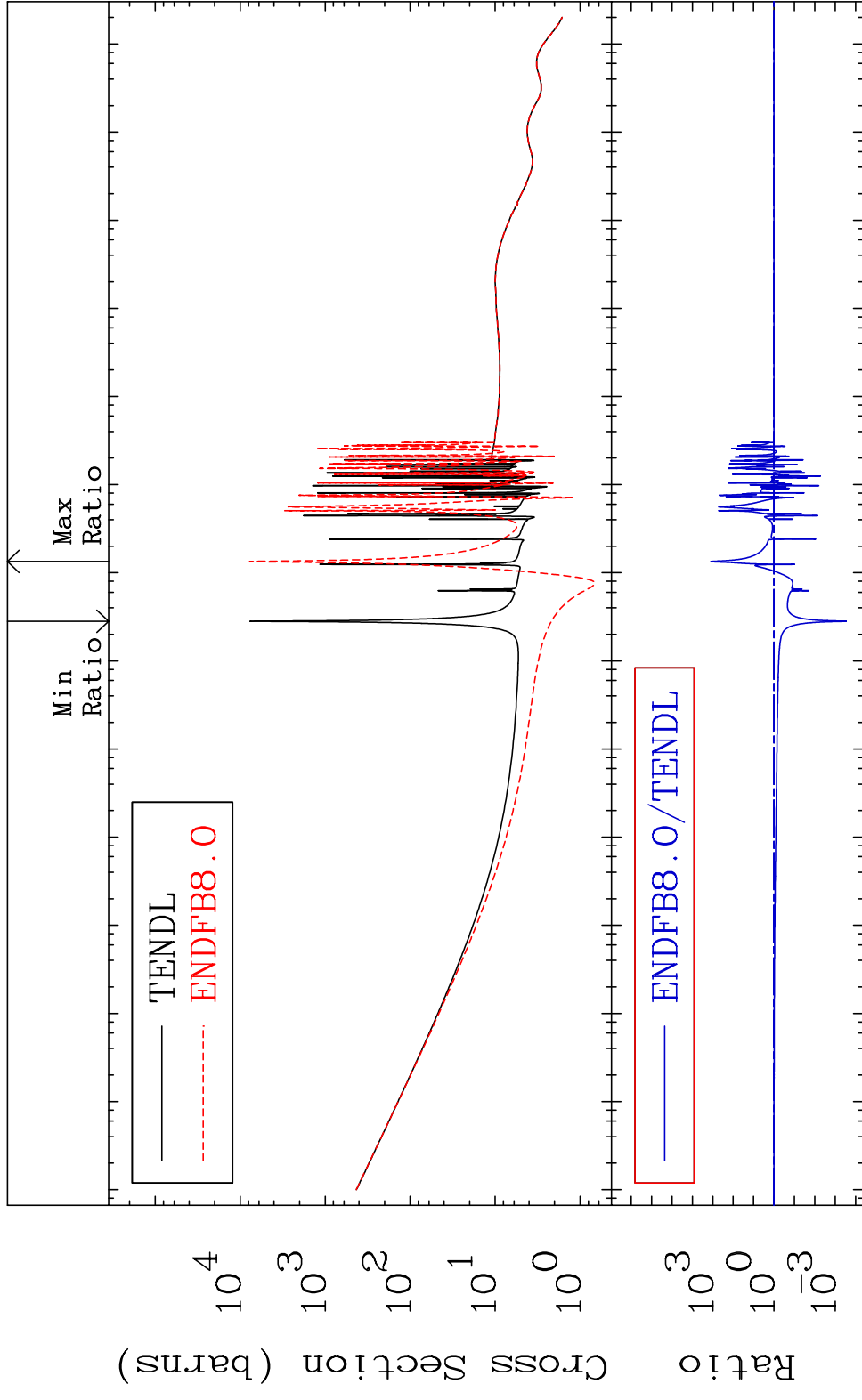
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4228

Total Cross Section -99.97 To 9999. % 42-Mo-93



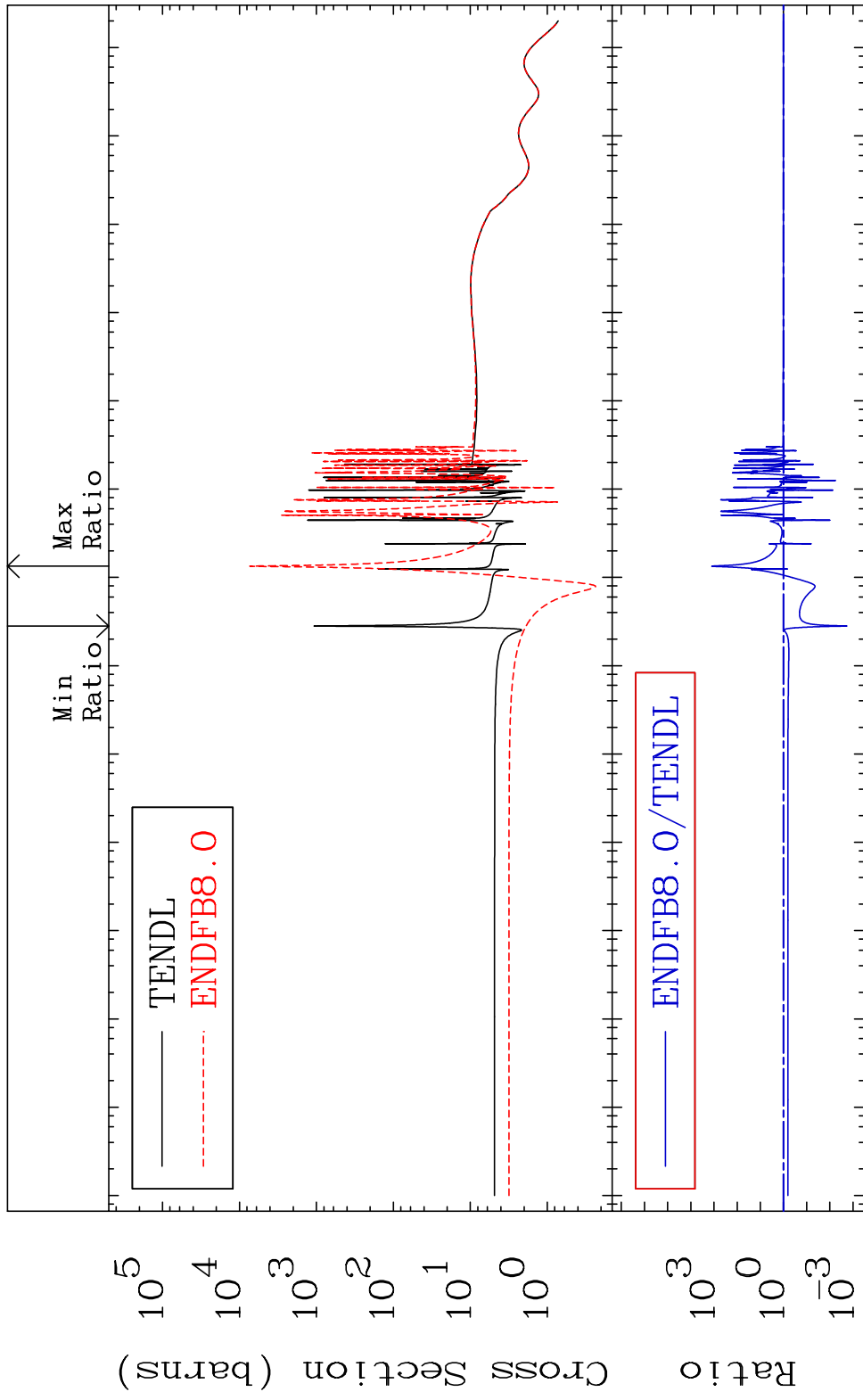
MAT 4228

Elastic

42-Mo-93

Cross Section

-99.82 To 9999. %



2

Incident Energy (eV)

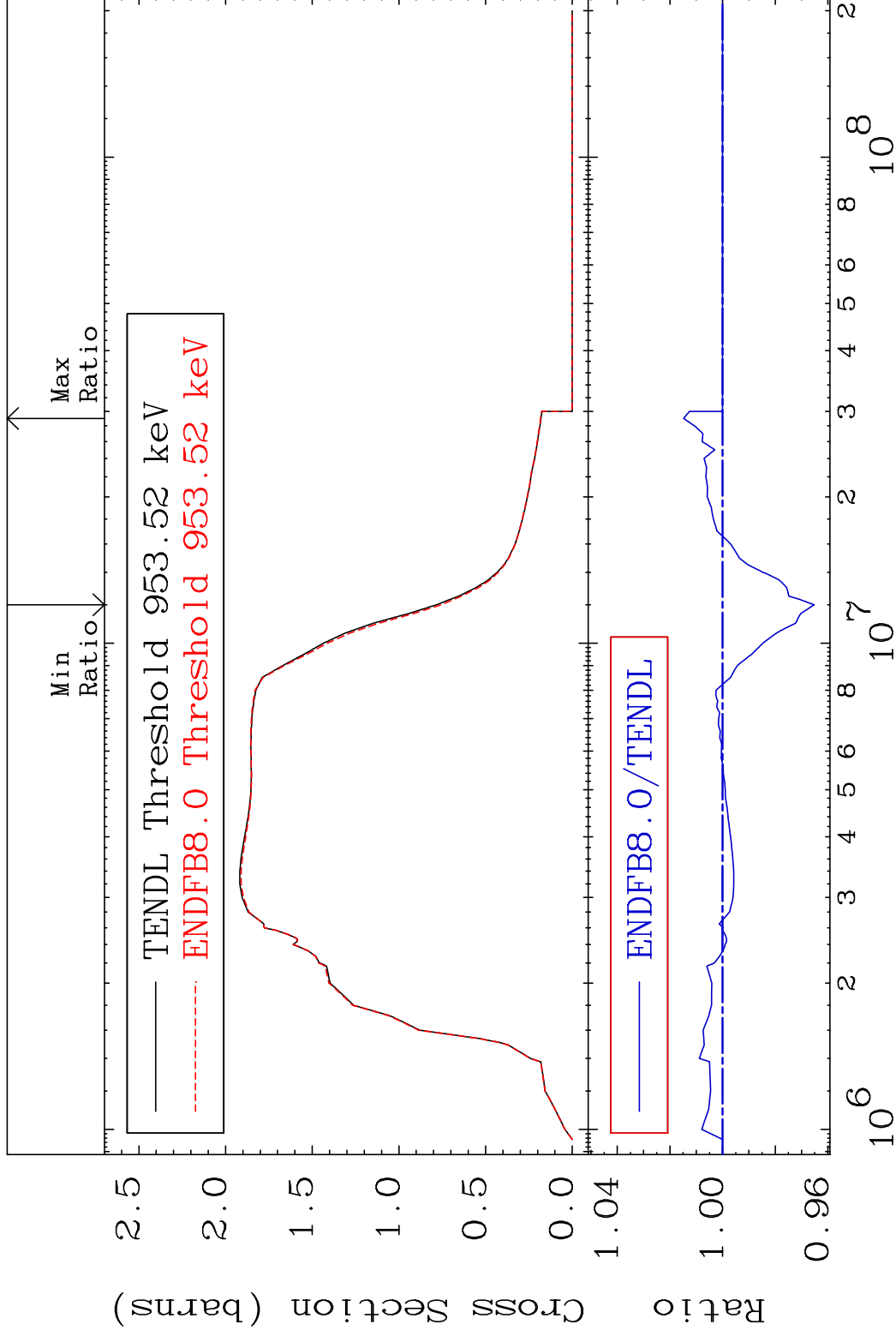
42-Mo-93

MAT 4228

Inelastic

42-Mo-93

Cross Section -3.476 To 1.478 %

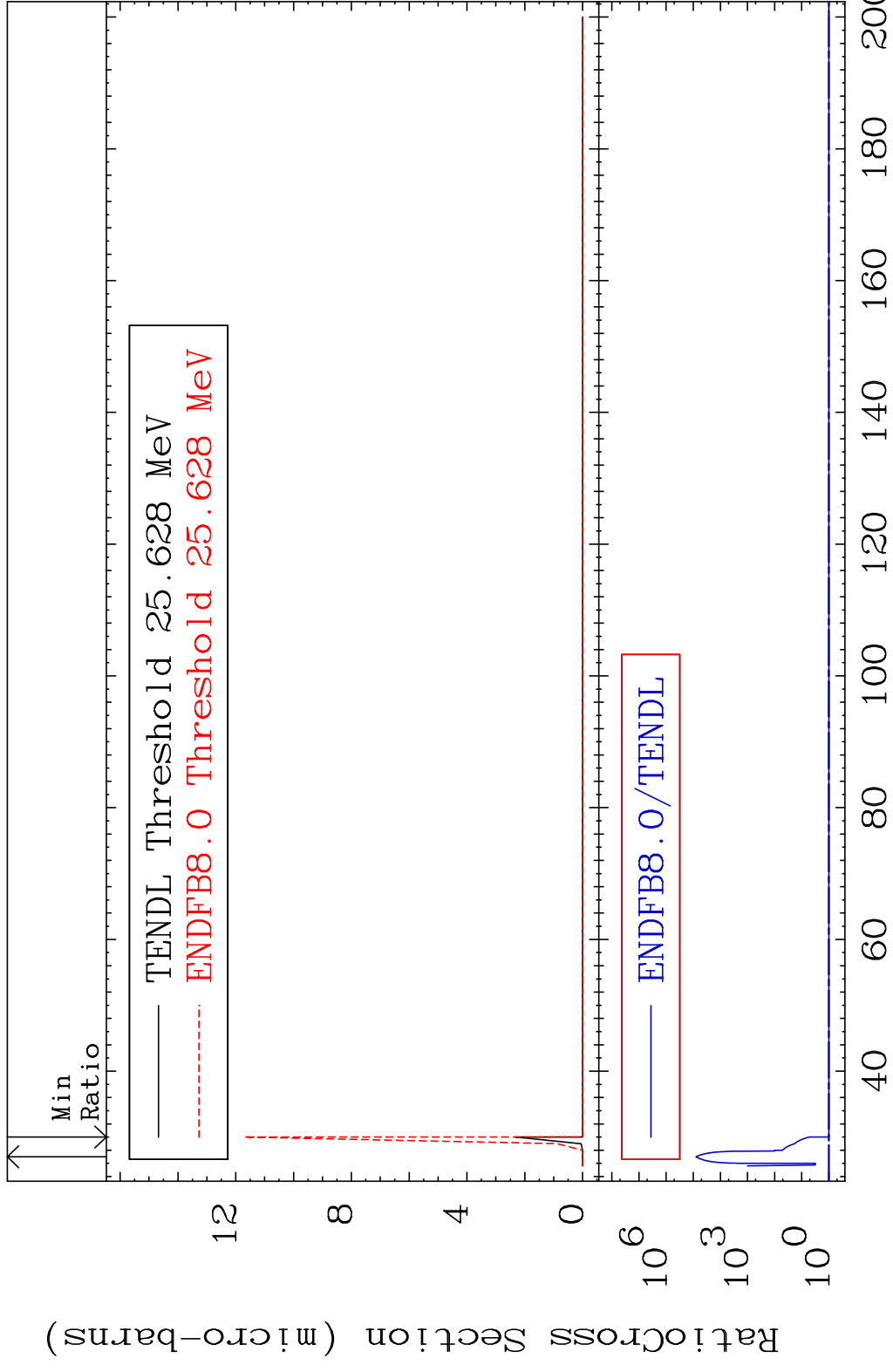


3

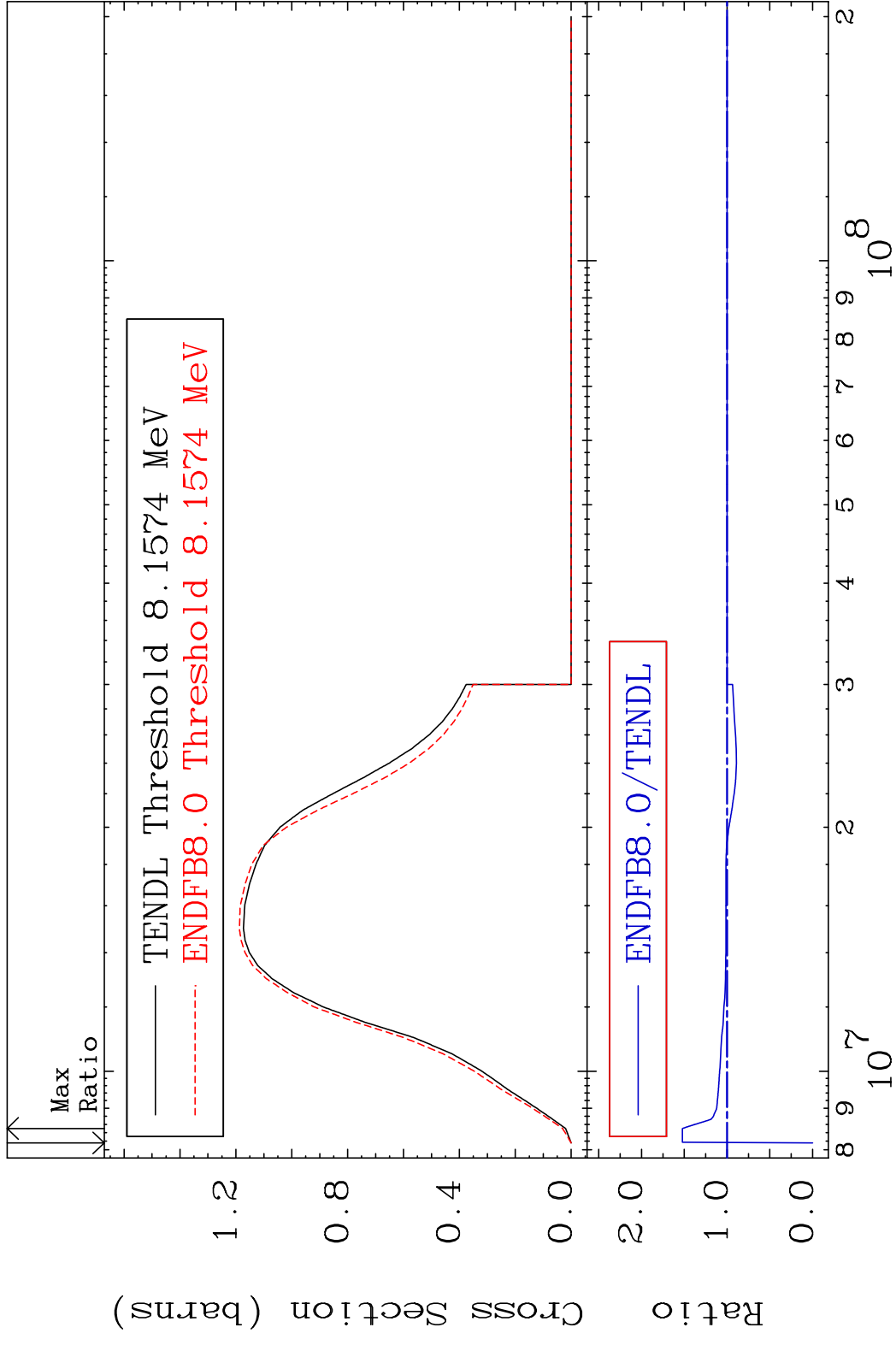
Incident Energy (eV)

42-Mo-93

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

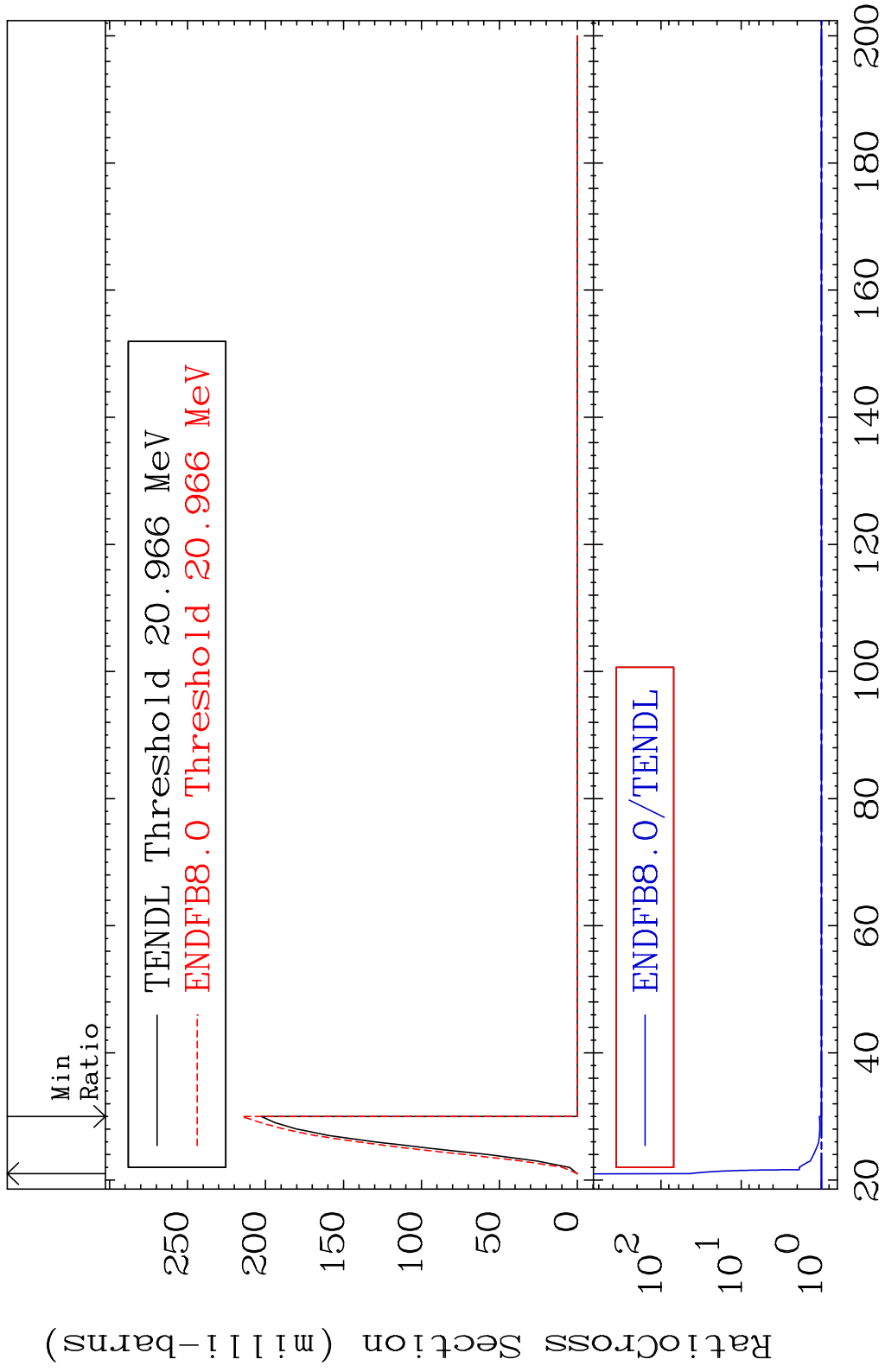


MAT 4228 (n,2n) 42-Mo-93
 Cross Section -100.0 To 52.27 %

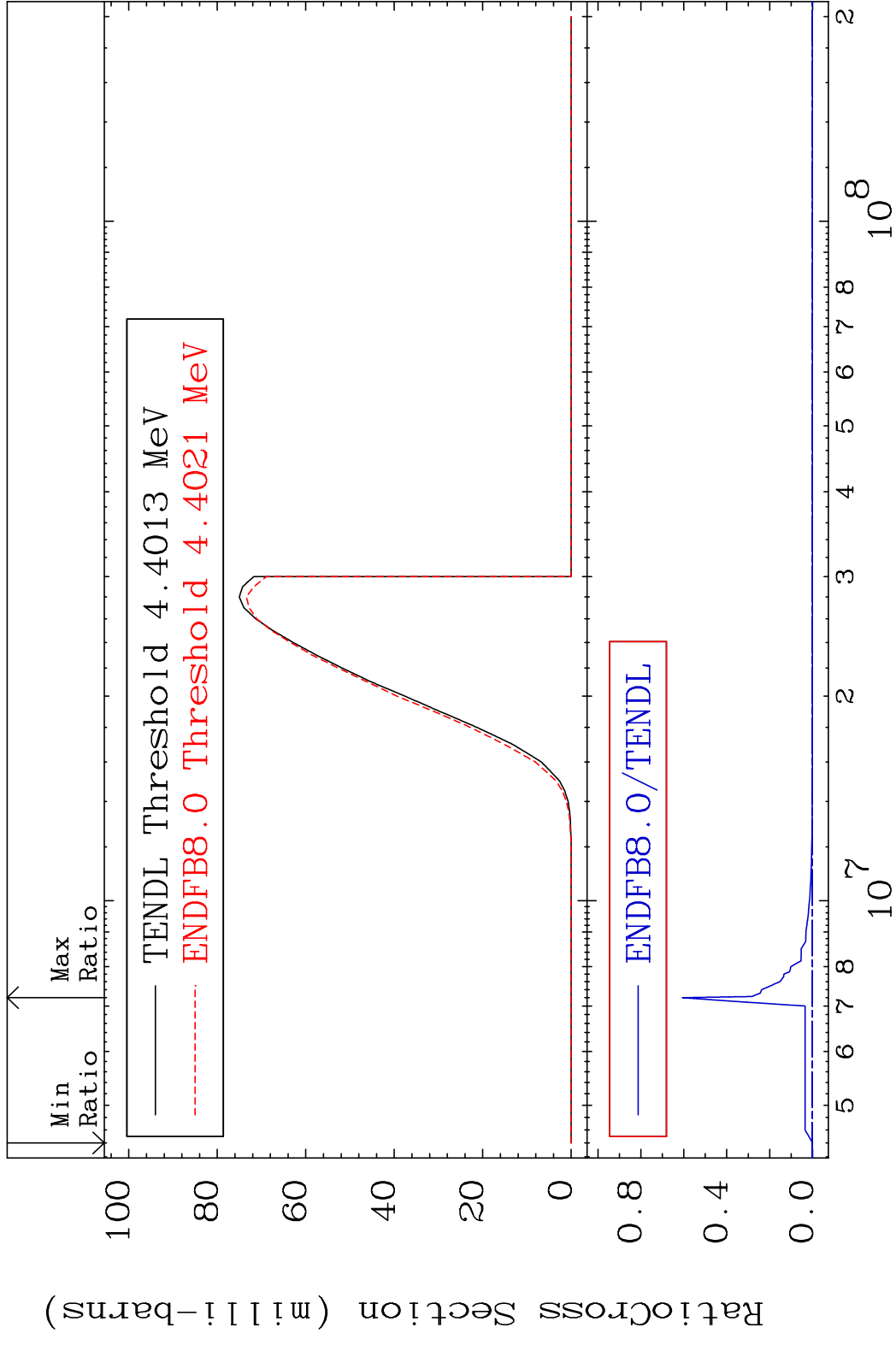


5 Incident Energy (eV) 42-Mo-93

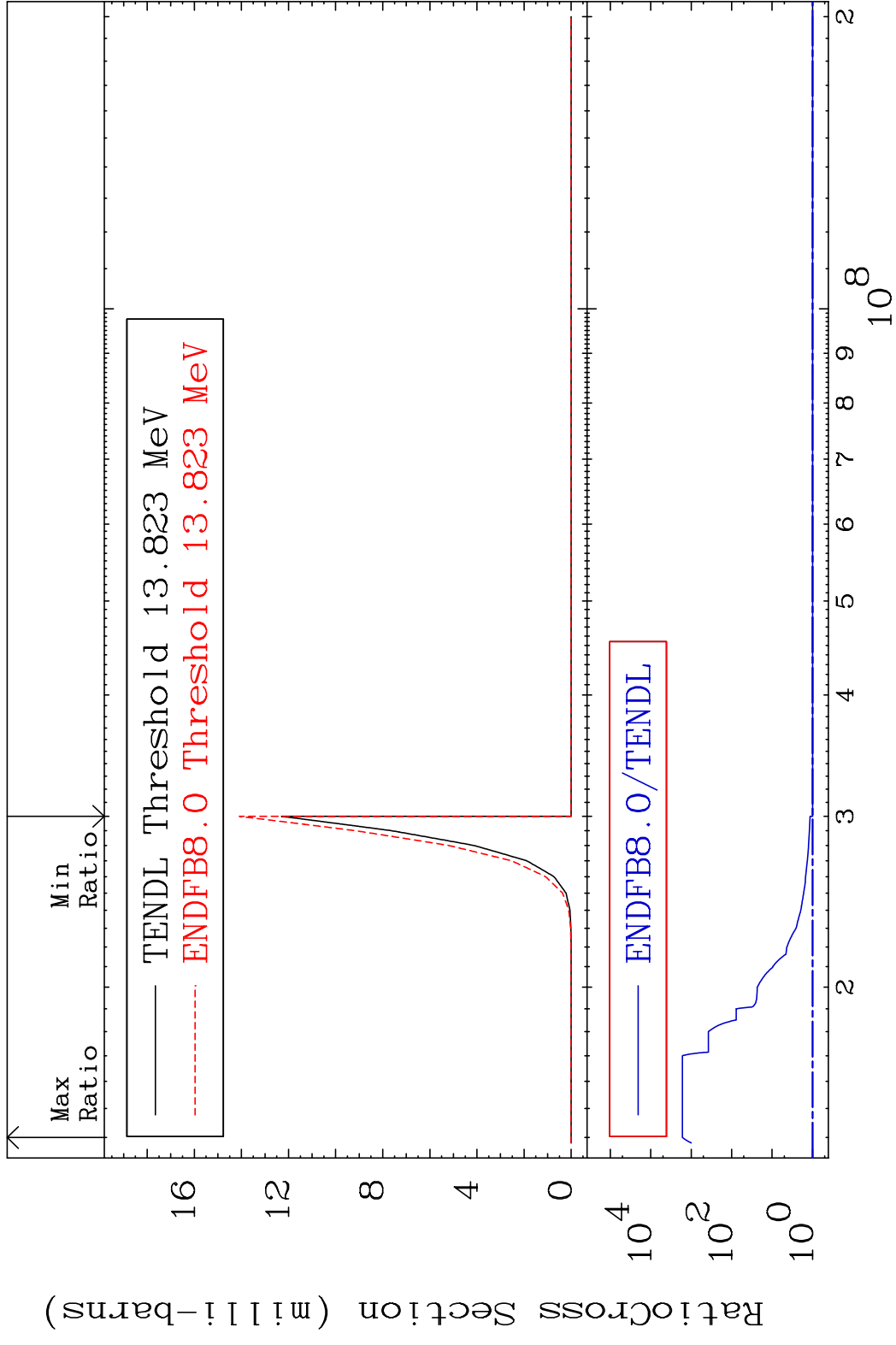
MAT 4228 (n,3n) 42-Mo-93
 Cross Section 0.000 To 4283. %



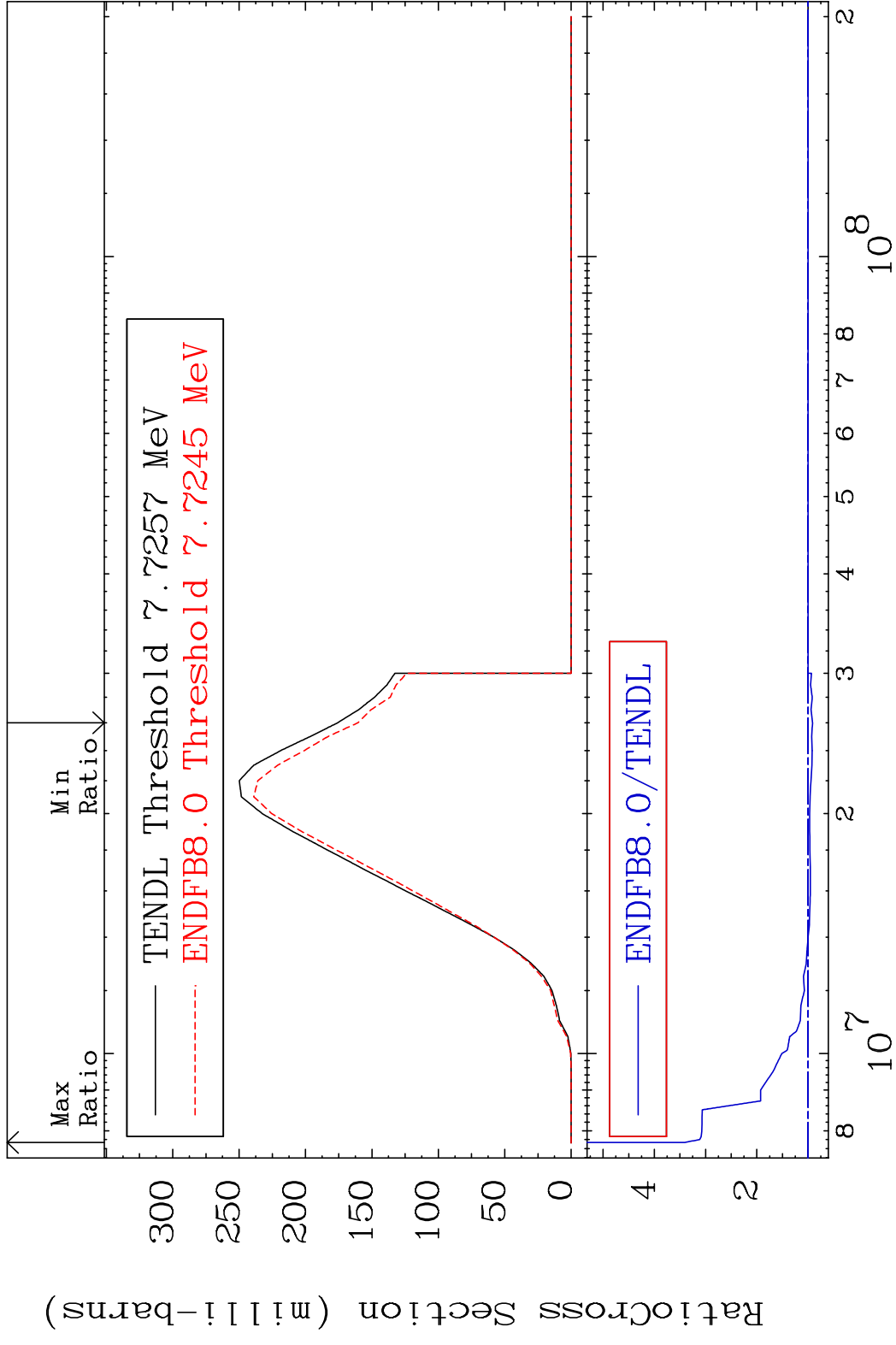
MAT 4228 (n, n') α 42-Mo-93
 Cross Section -100.0 To 9999. %



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



MAT 4228 (n, n') p 42-Mo-93
 Cross Section -8.697 To 245.3 %

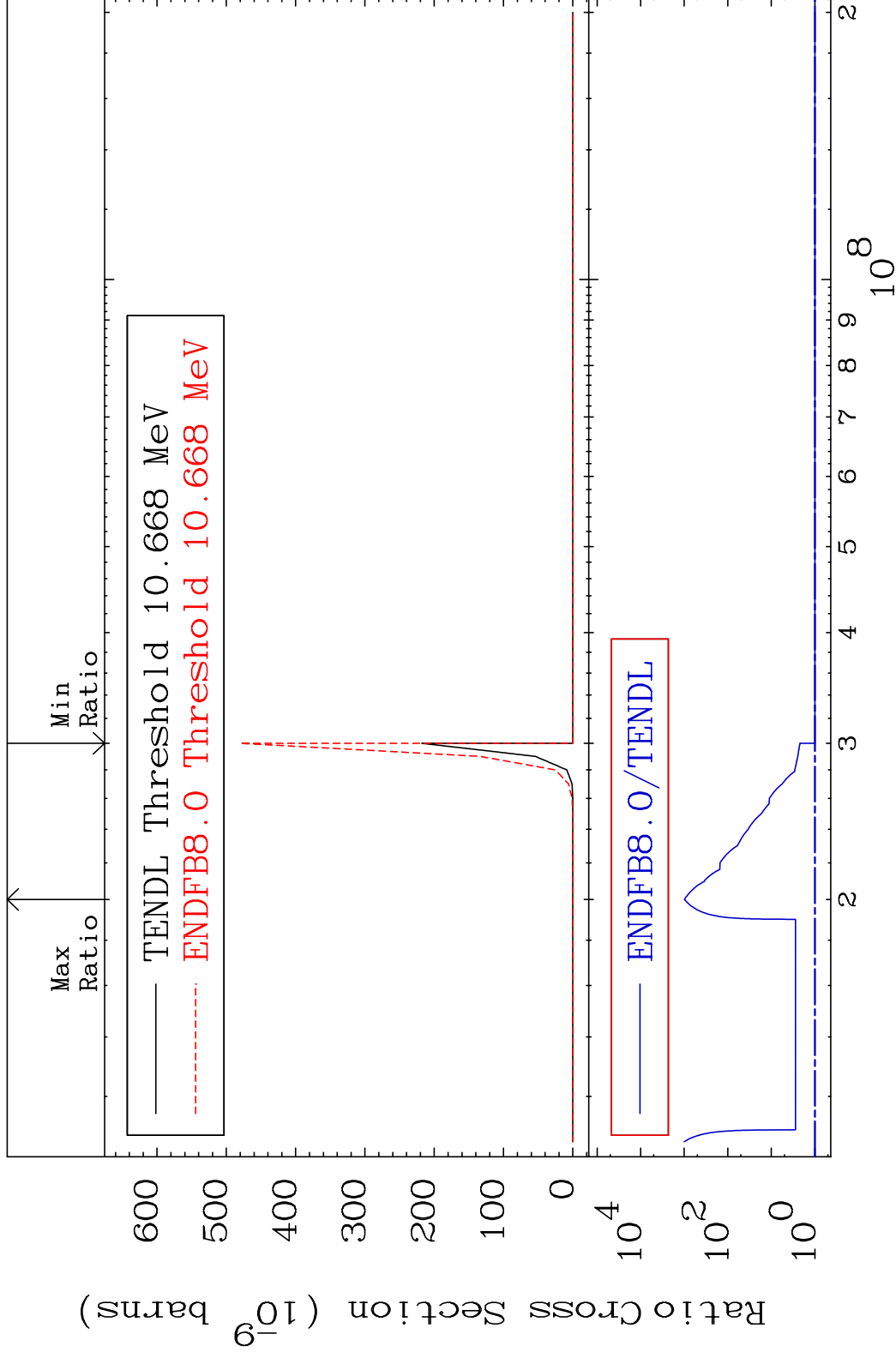


MAT 4228

(n, n') 2α

42-Mo-93

Cross Section 0.000 To 9999. %

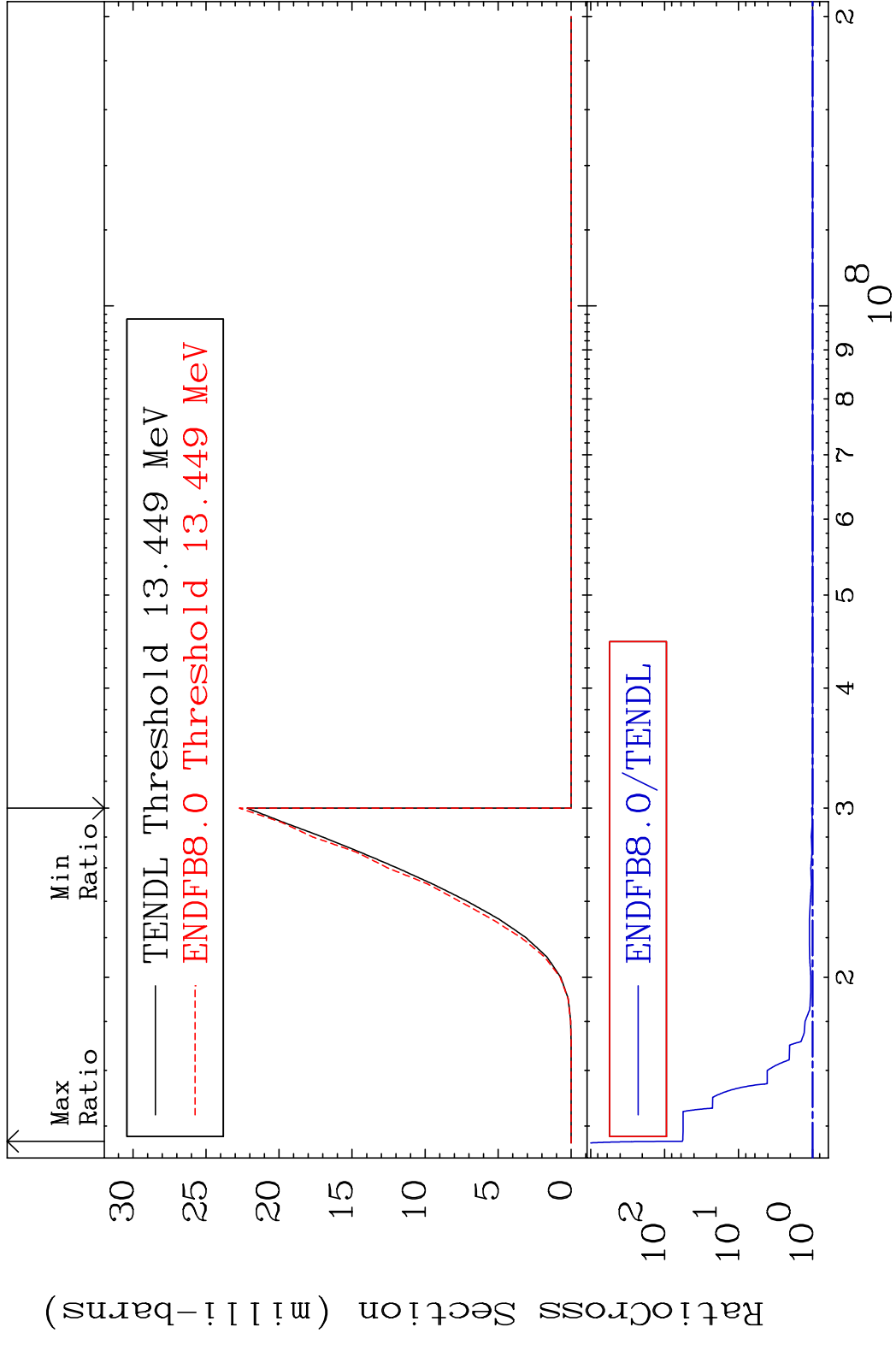


10

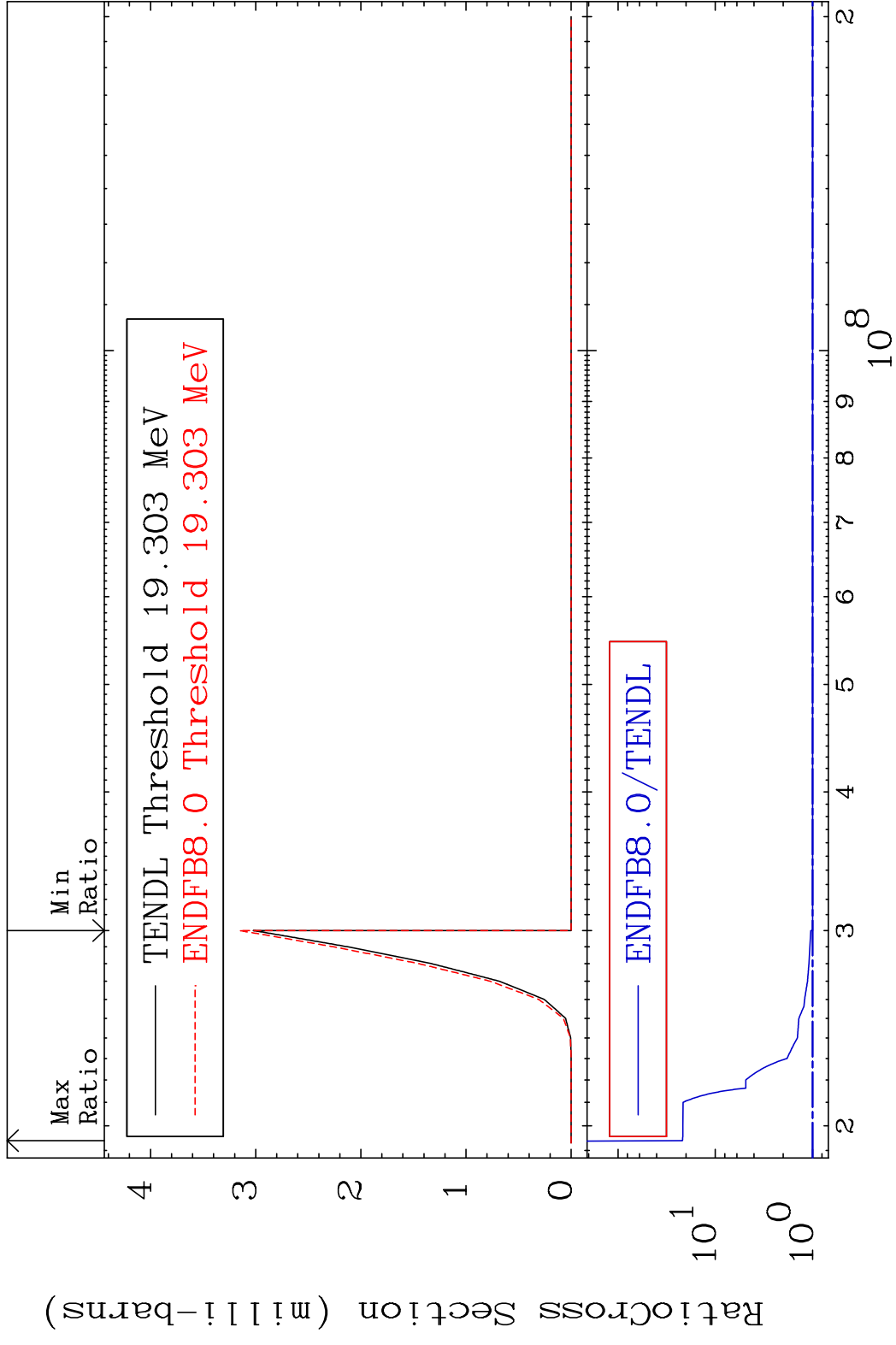
Incident Energy (eV)

42-Mo-93

MAT 4228 (n, n') d 42-Mo-93
 Cross Section 0.000 To 5653. %



MAT 4228 (n, n') t 42-Mo-93
 Cross Section 0.000 To 2079. %



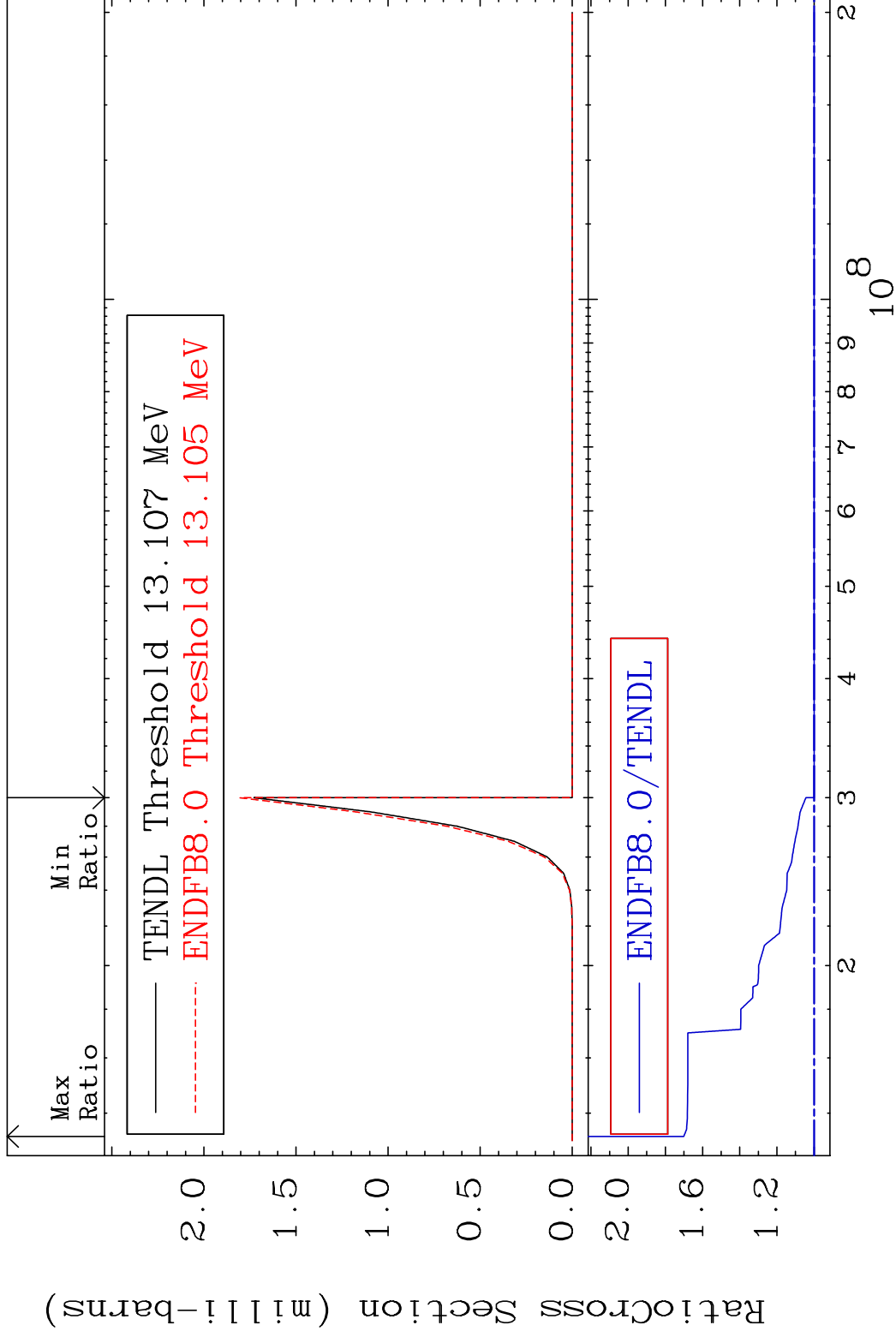
12 Incident Energy (eV) 42-Mo-93

MAT 4228

(n,n') He-3

42-Mo-93

Cross Section 0.000 To 70.17 %

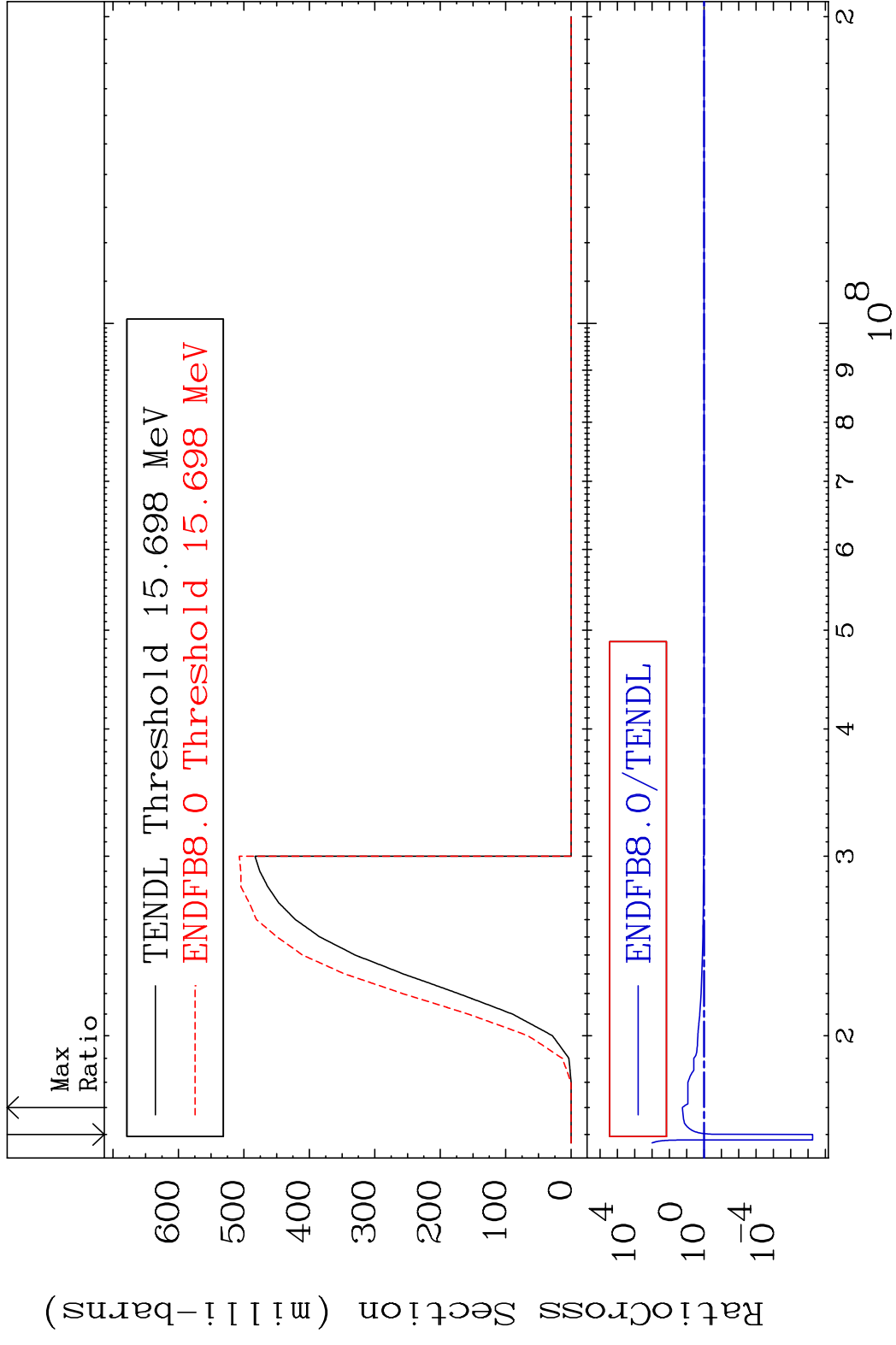


13

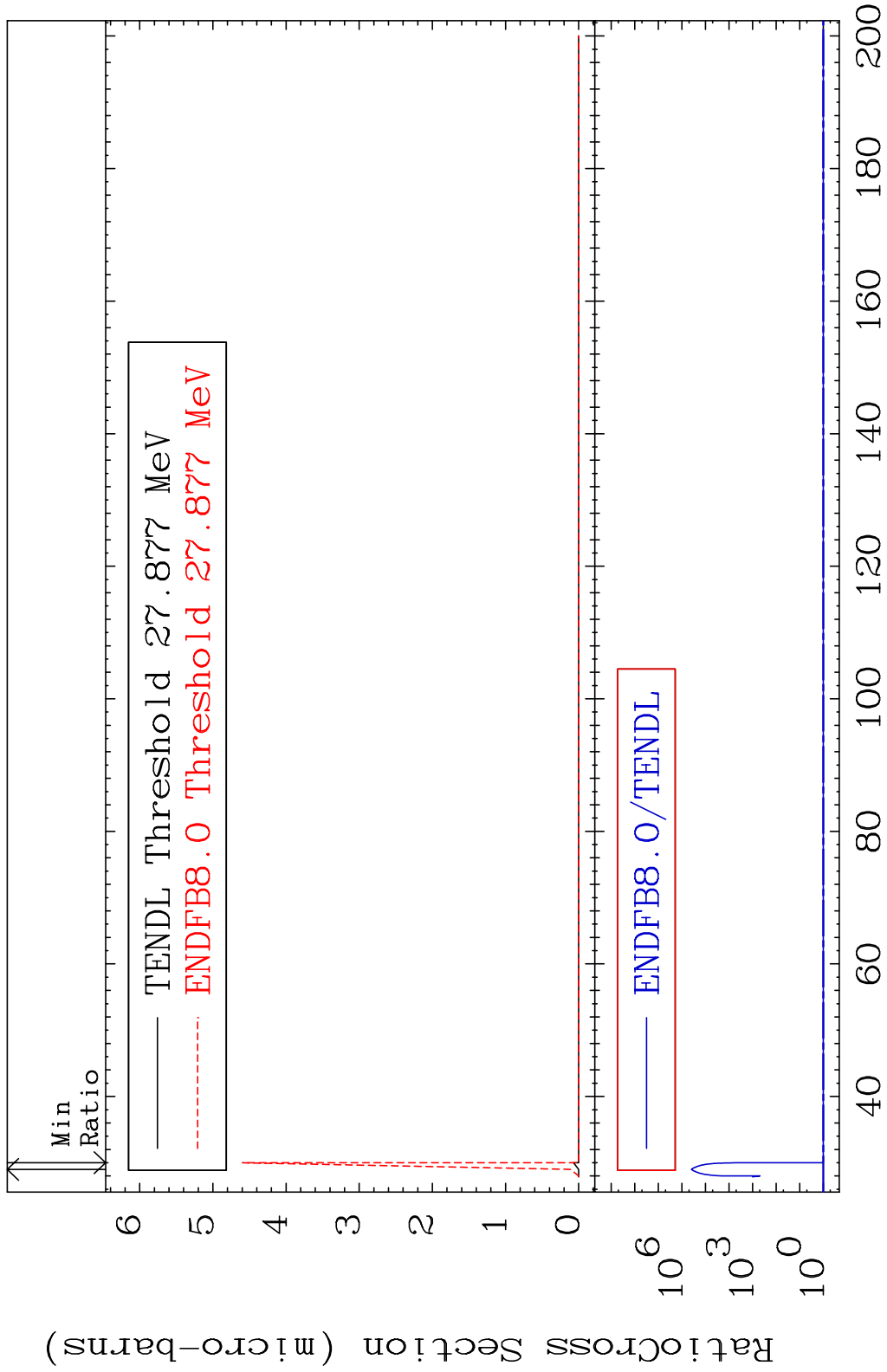
Incident Energy (eV)

42-Mo-93

MAT 4228 (n,2n) p 42-Mo-93
 Cross Section -100.0 To 1693. %



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

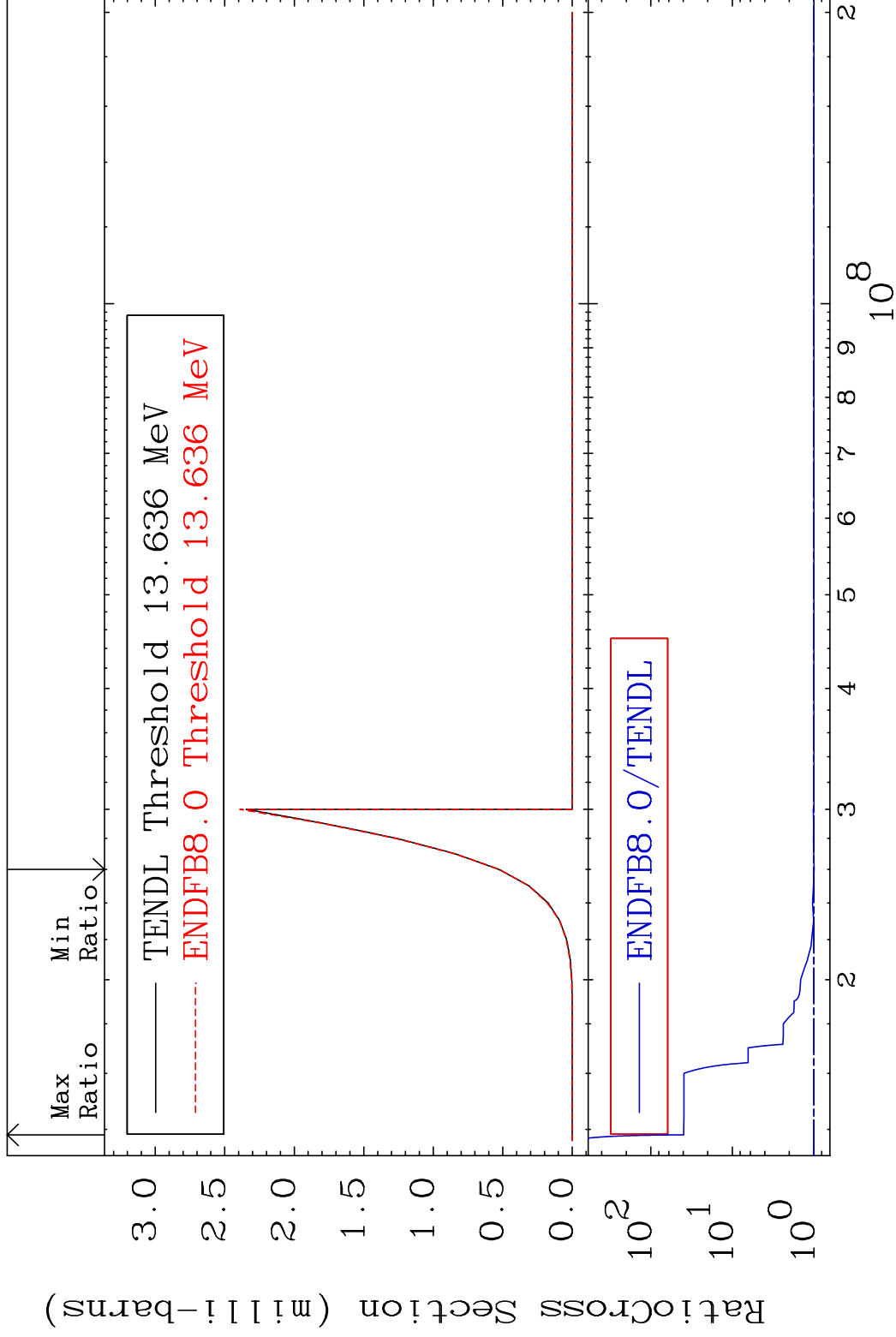


MAT 4228

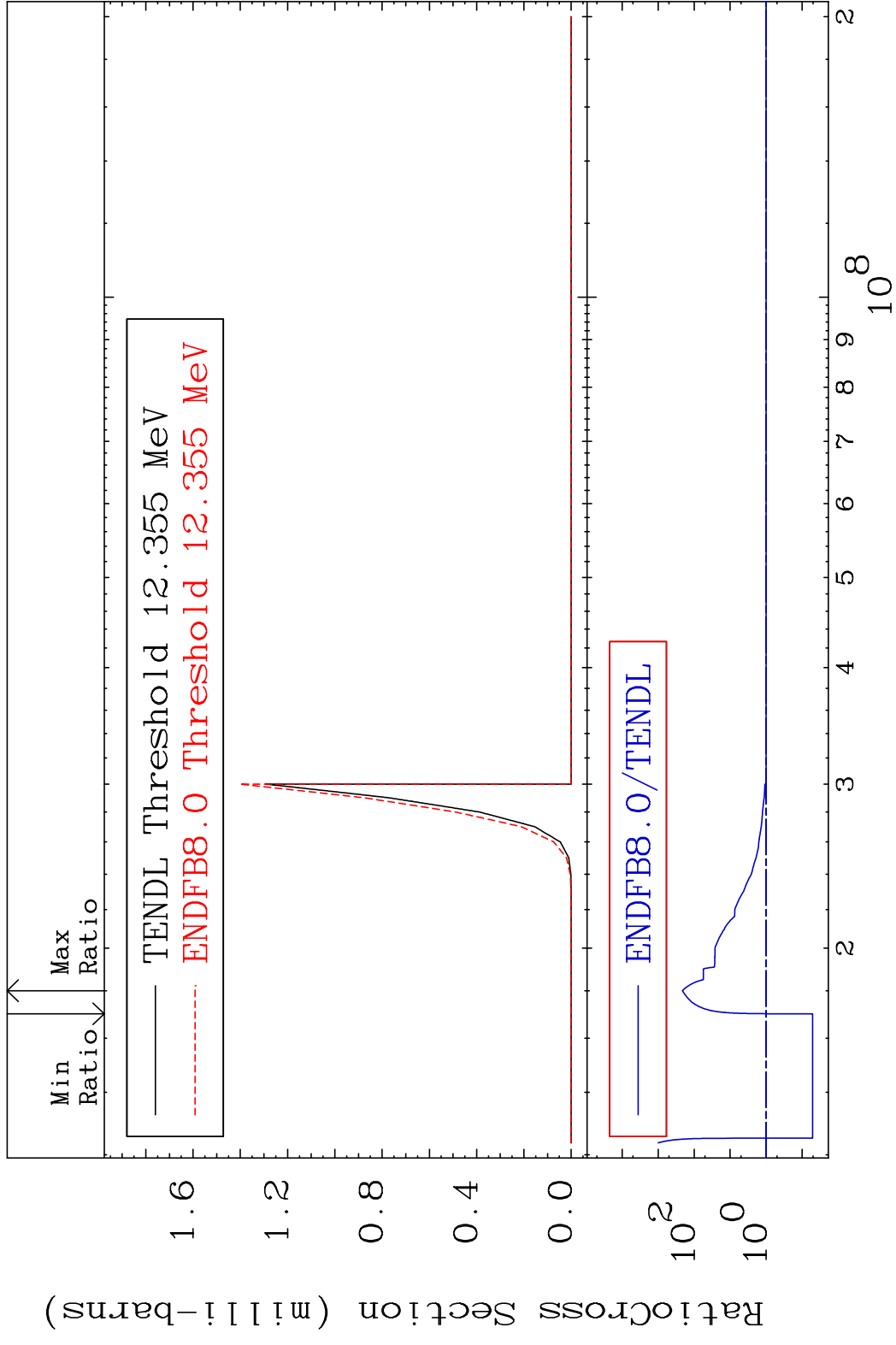
(n,2n) p

42-Mo-93

Cross Section -0.813 To 3854. %



MAT 4228 (n,n') p α 42-Mo-93
 Cross Section -94.86 To 9999. %

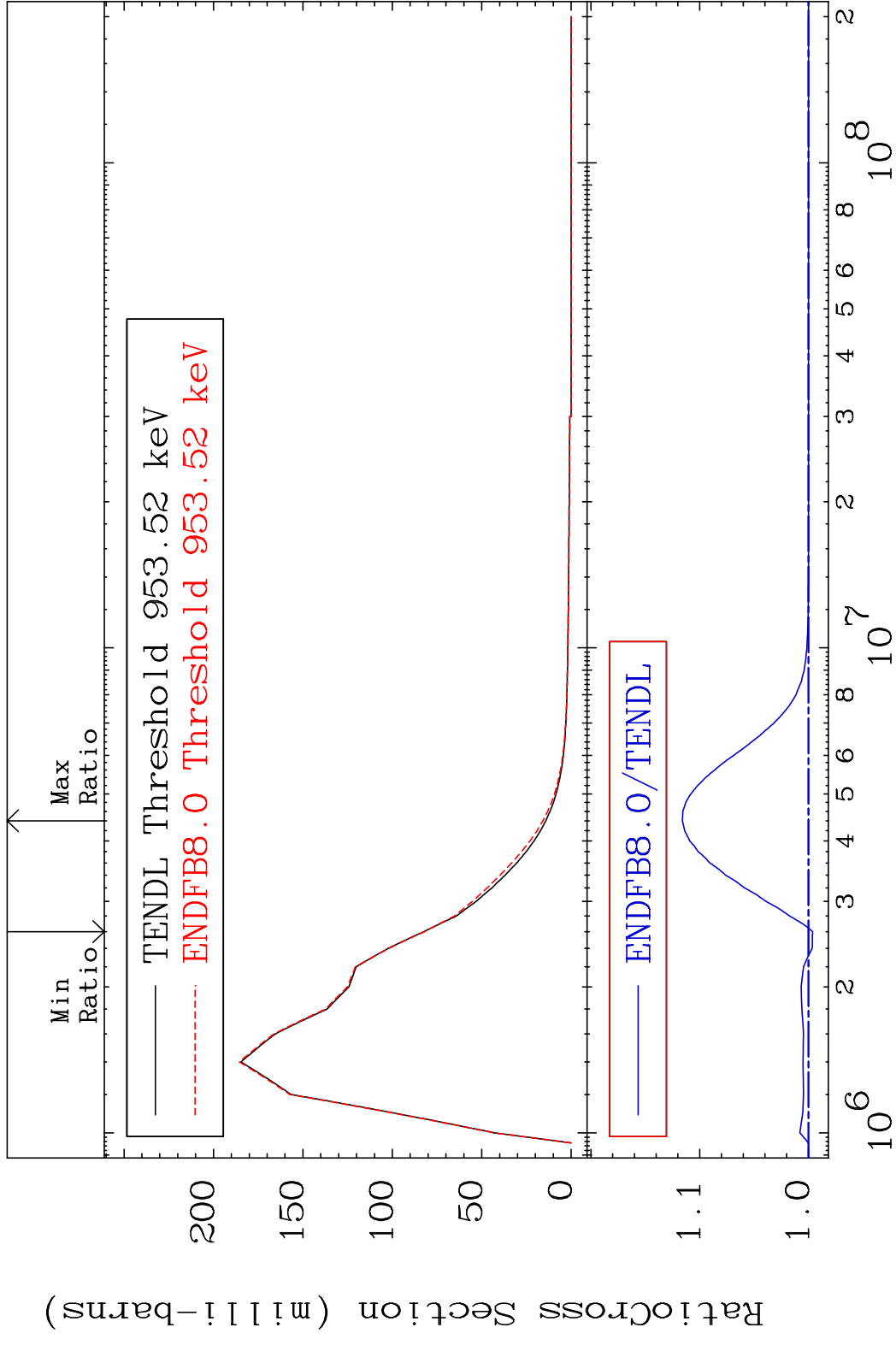


MAT 4228

MT= 51 (n,n') Level

42-Mo-93

Cross Section -0.377 To 11.59 %

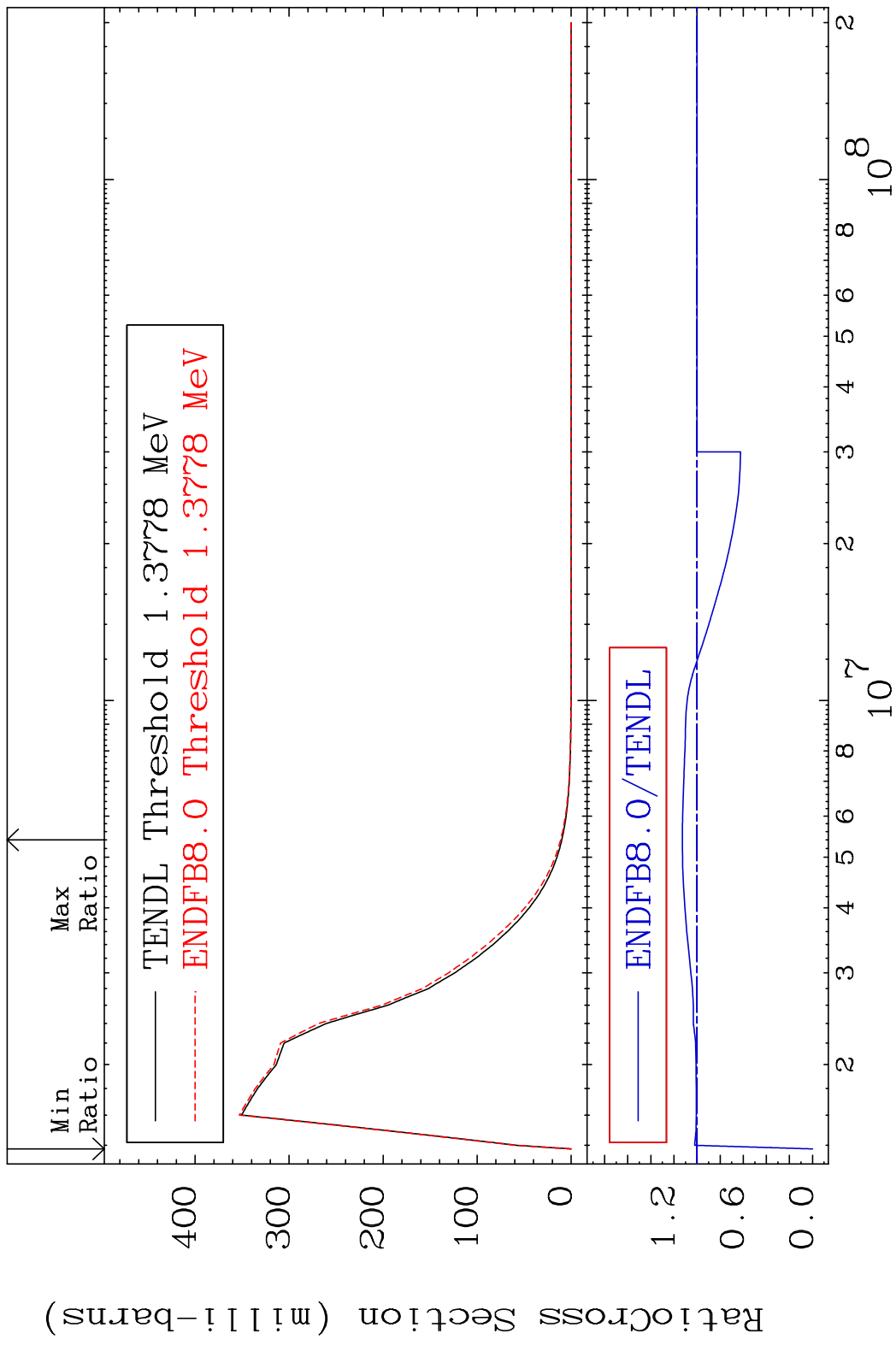


18

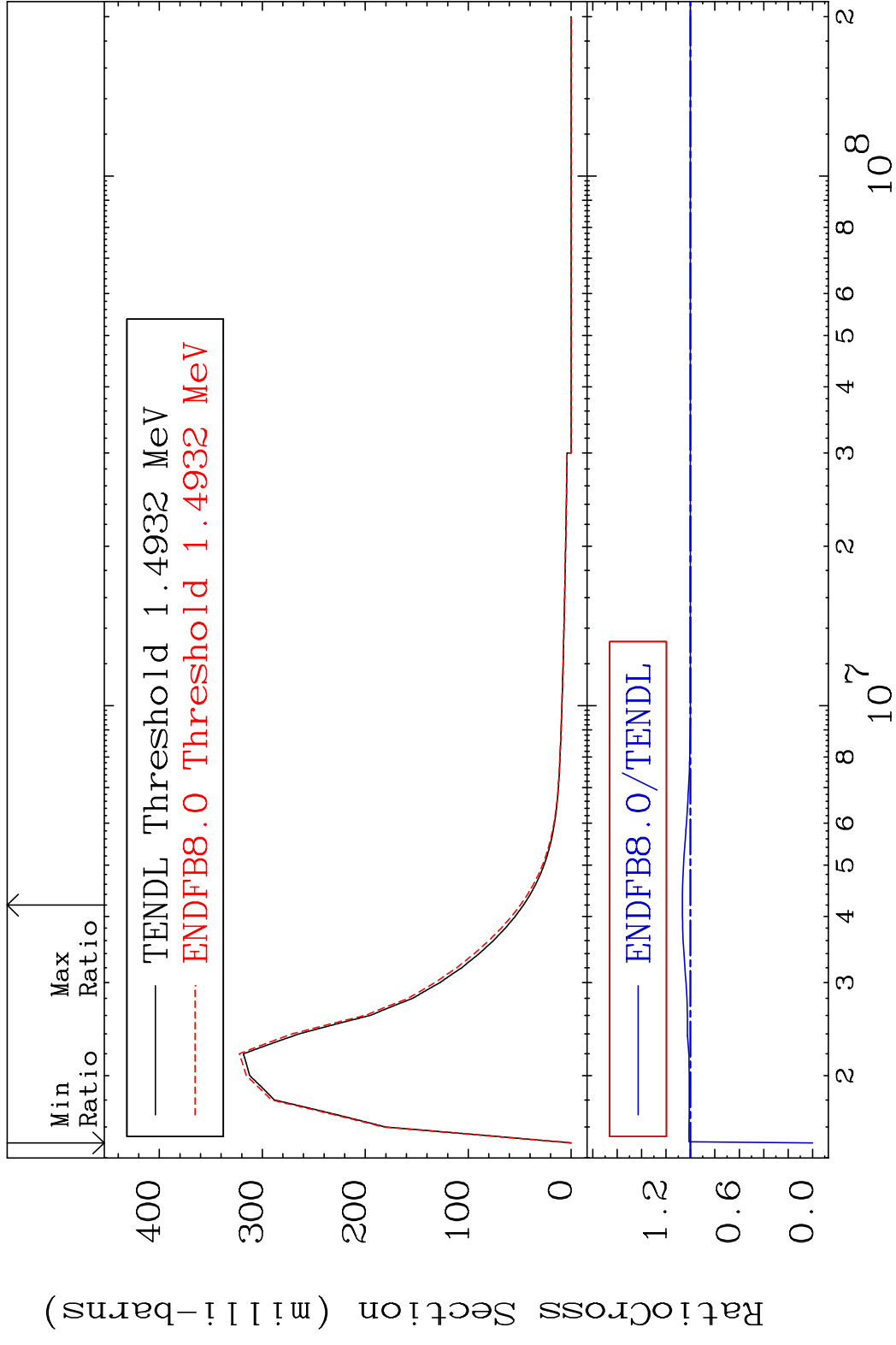
Incident Energy (eV)

42-Mo-93

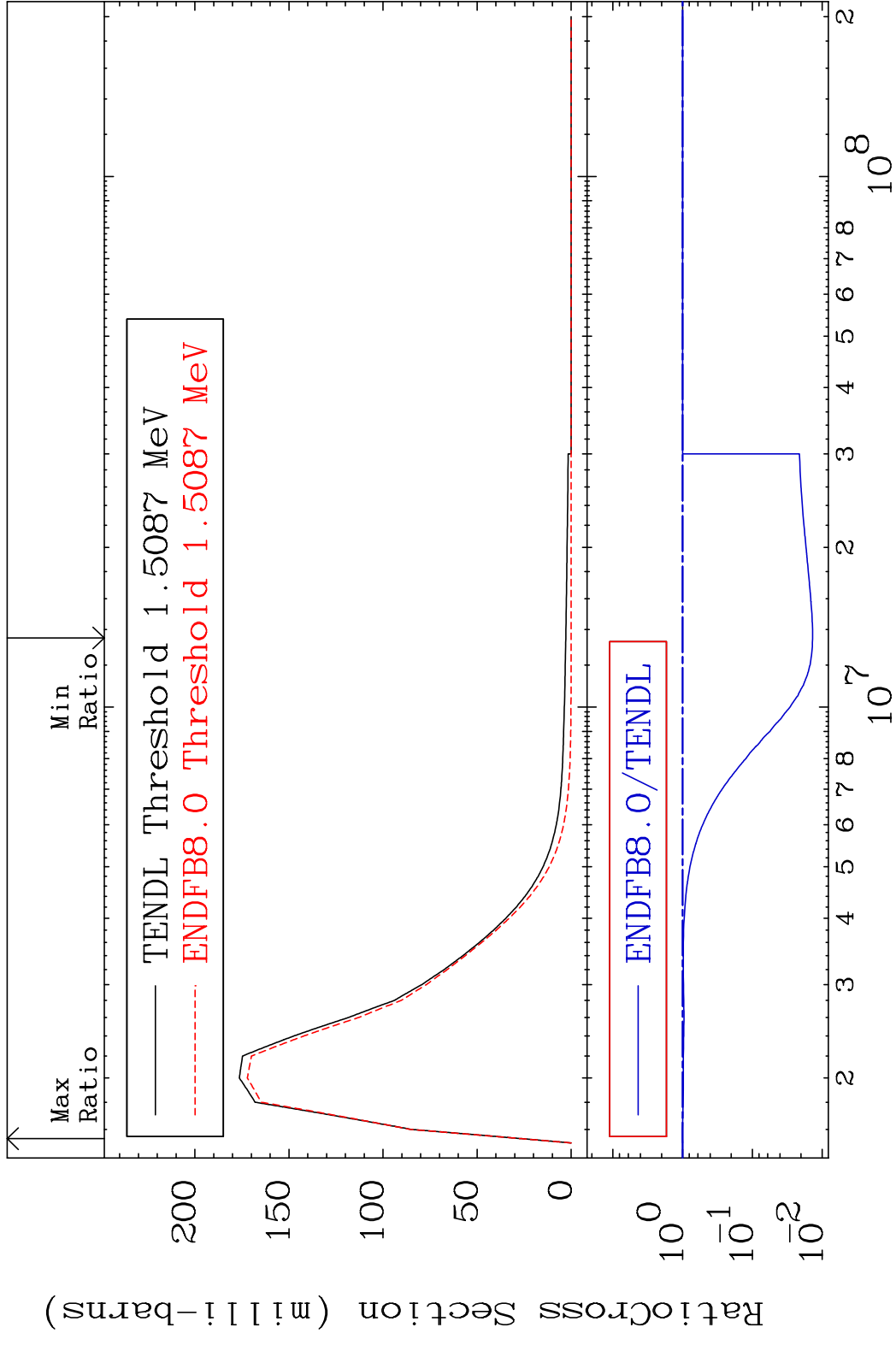
MAT 4228 MT= 52 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 12.73 %



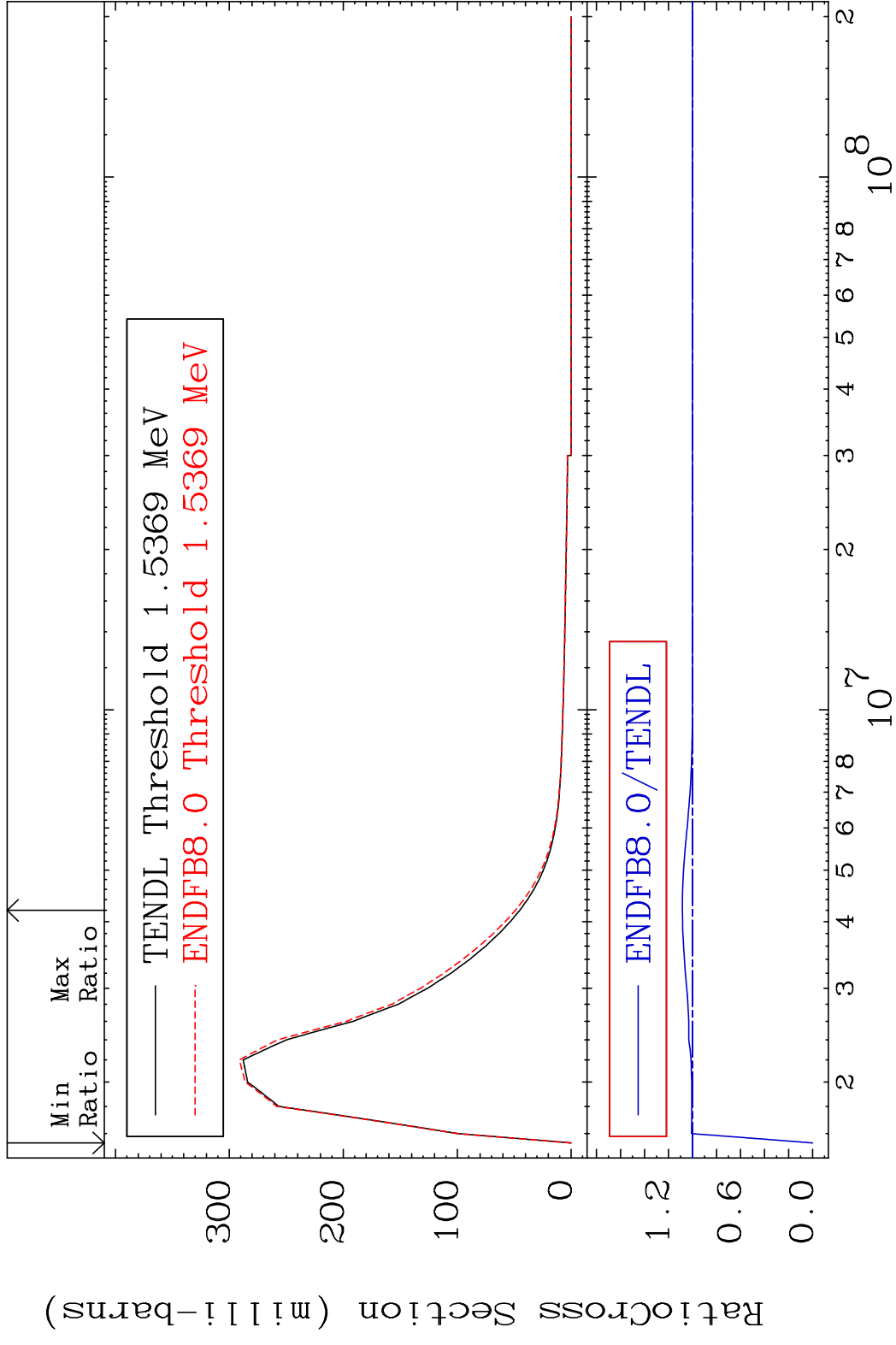
MAT 4228 MT= 53 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 6.633 %



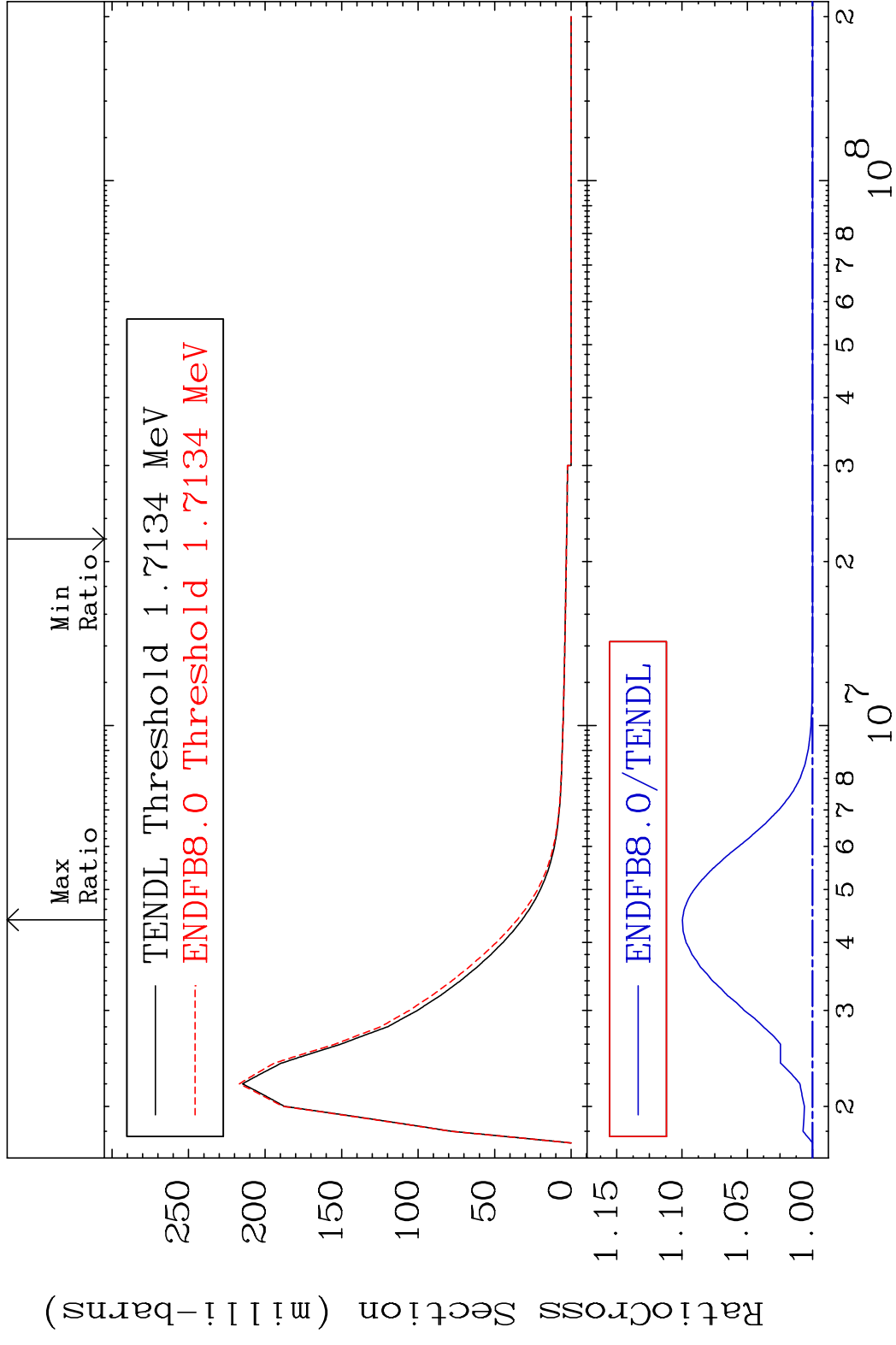
MAT 4228 MT= 54 (n, n') Level 42-Mo-93
 Cross Section -98.63 To 0.581 %



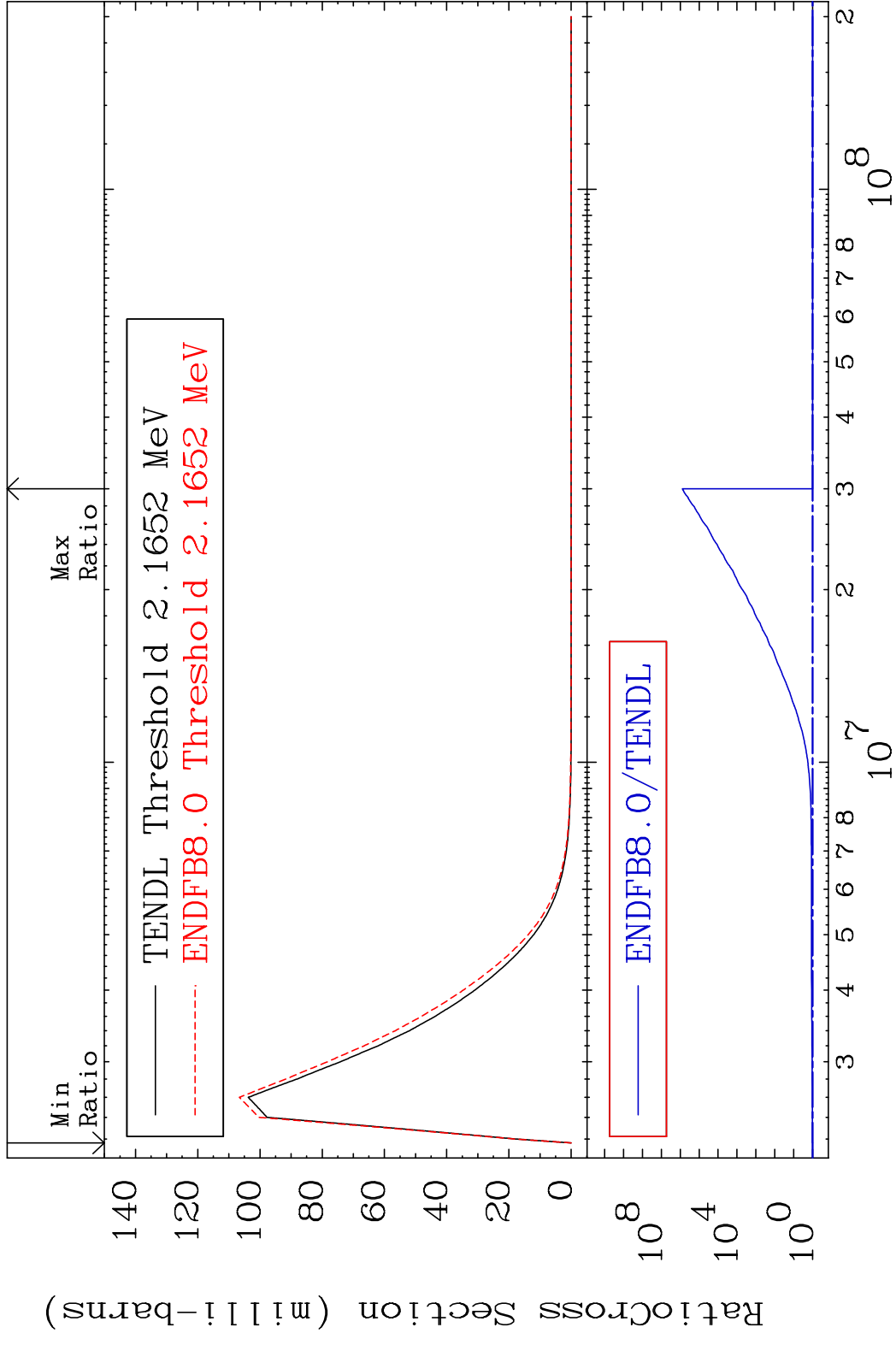
MAT 4228 MT= 55 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 8.469 %



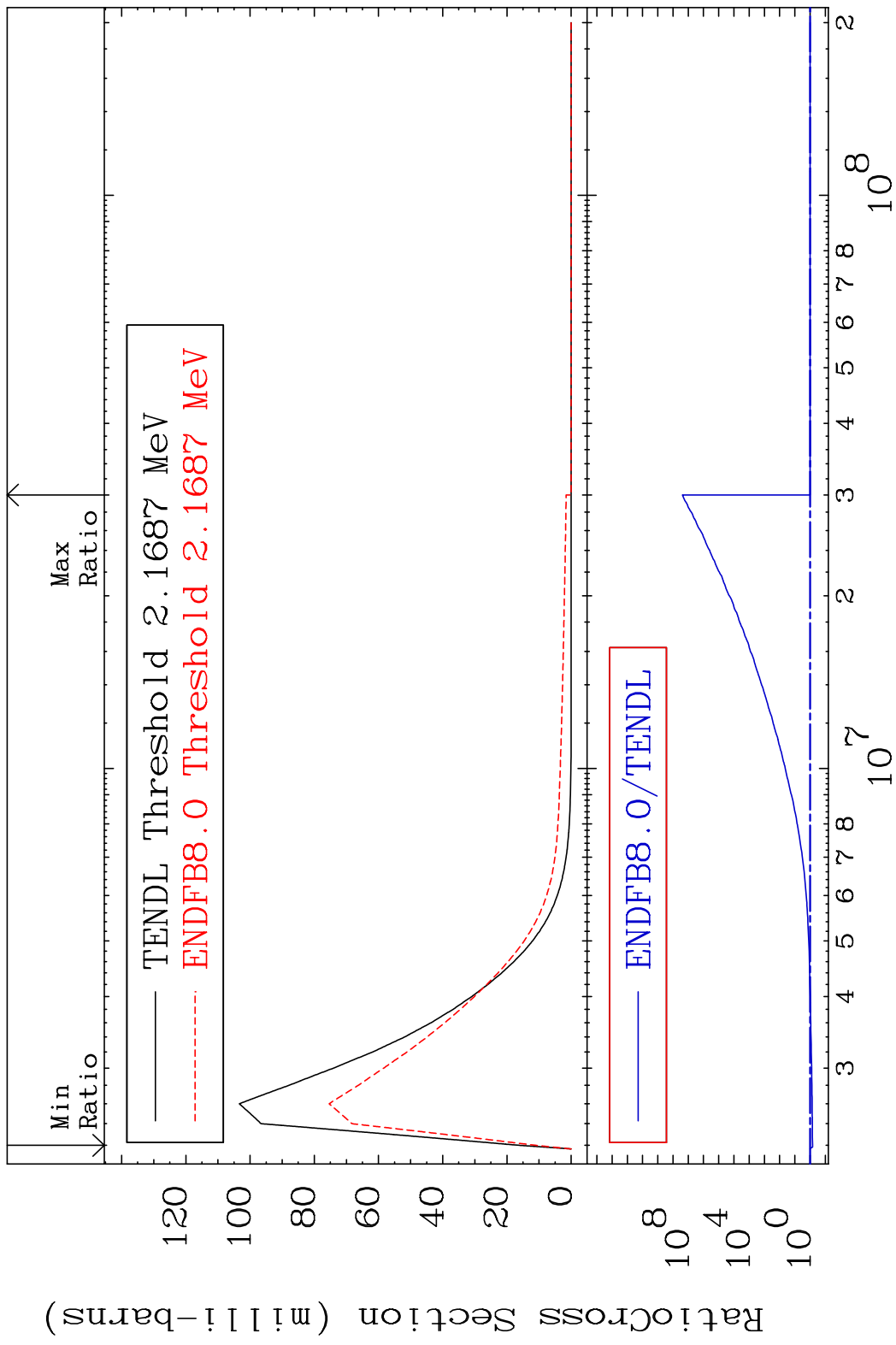
MAT 4228 MT= 56 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 9.975 %



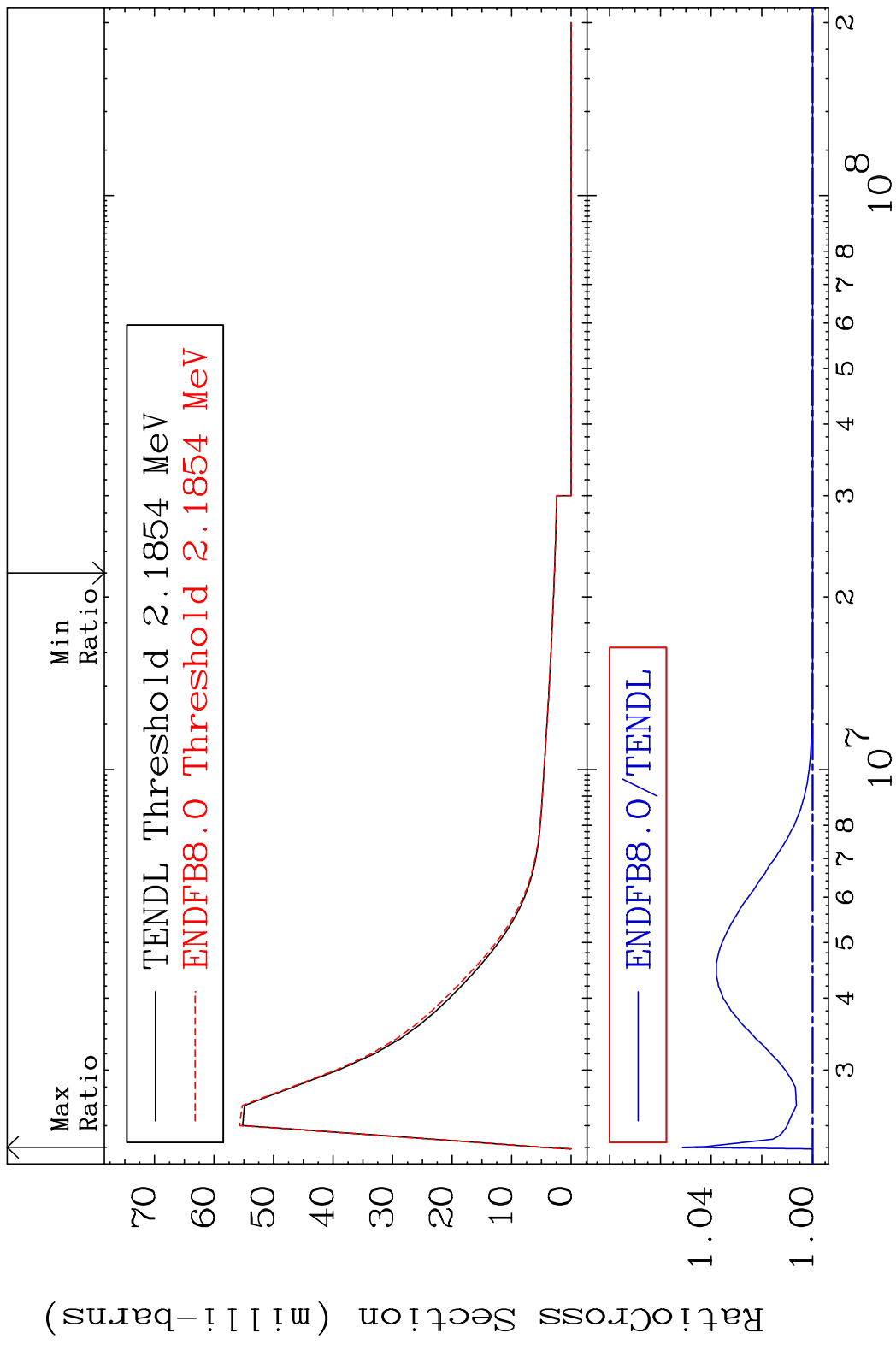
MAT 4228 MT= 57 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 9999. %



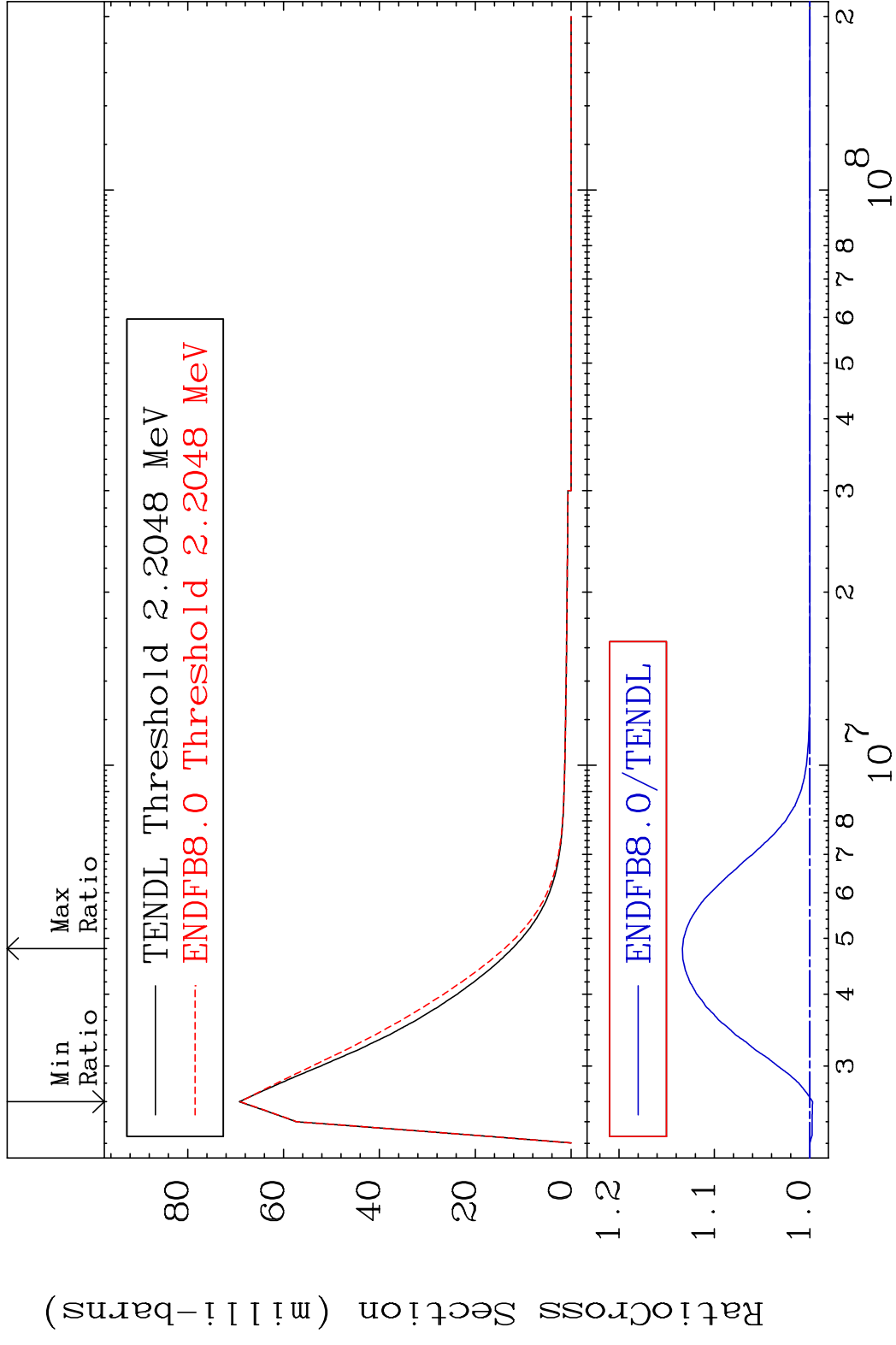
MAT 4228 MT= 58 (n, n') Level 42-Mo-93
 Cross Section -31.56 To 9999. %



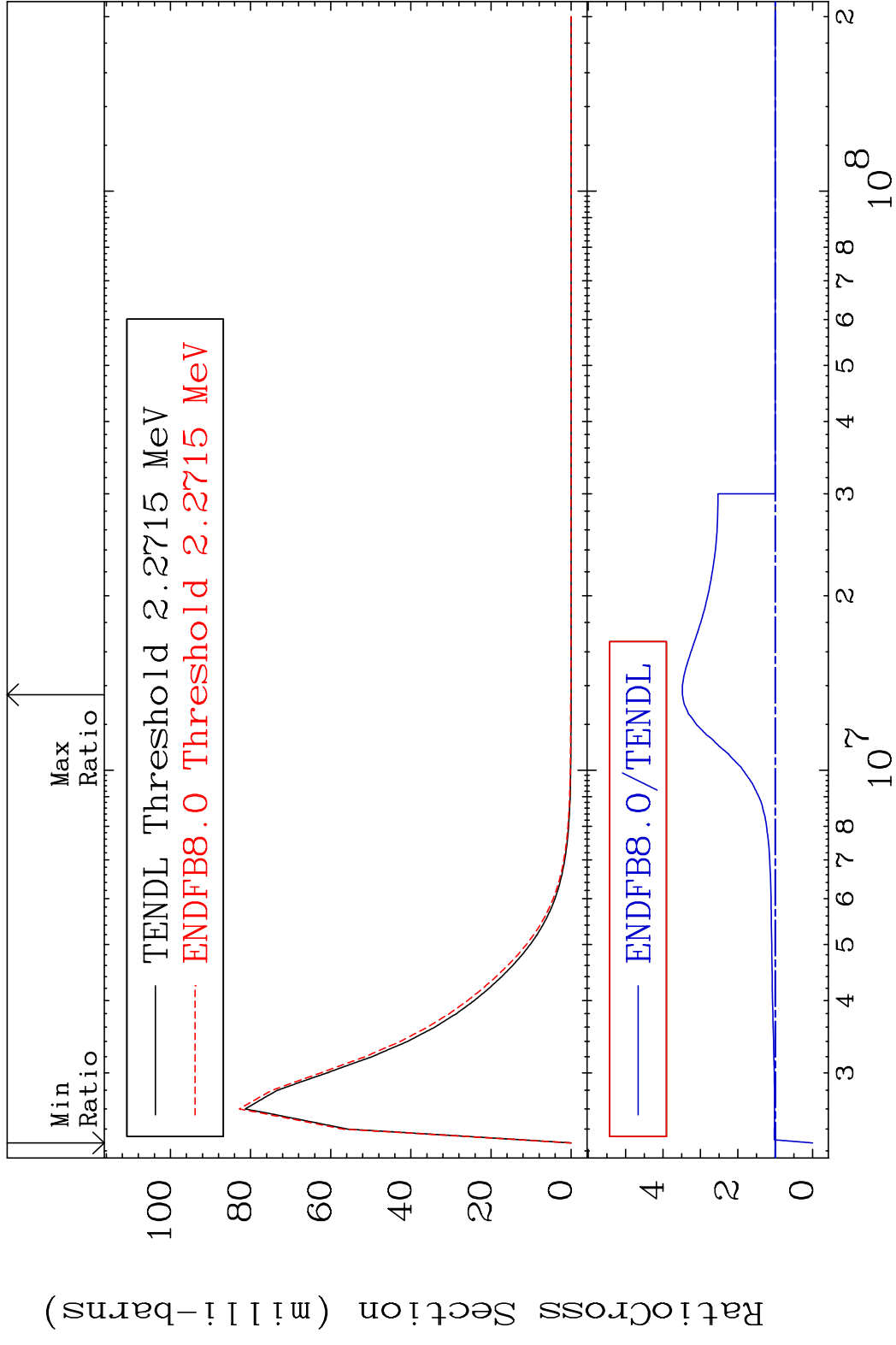
MAT 4228 MT= 59 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 5.134 %



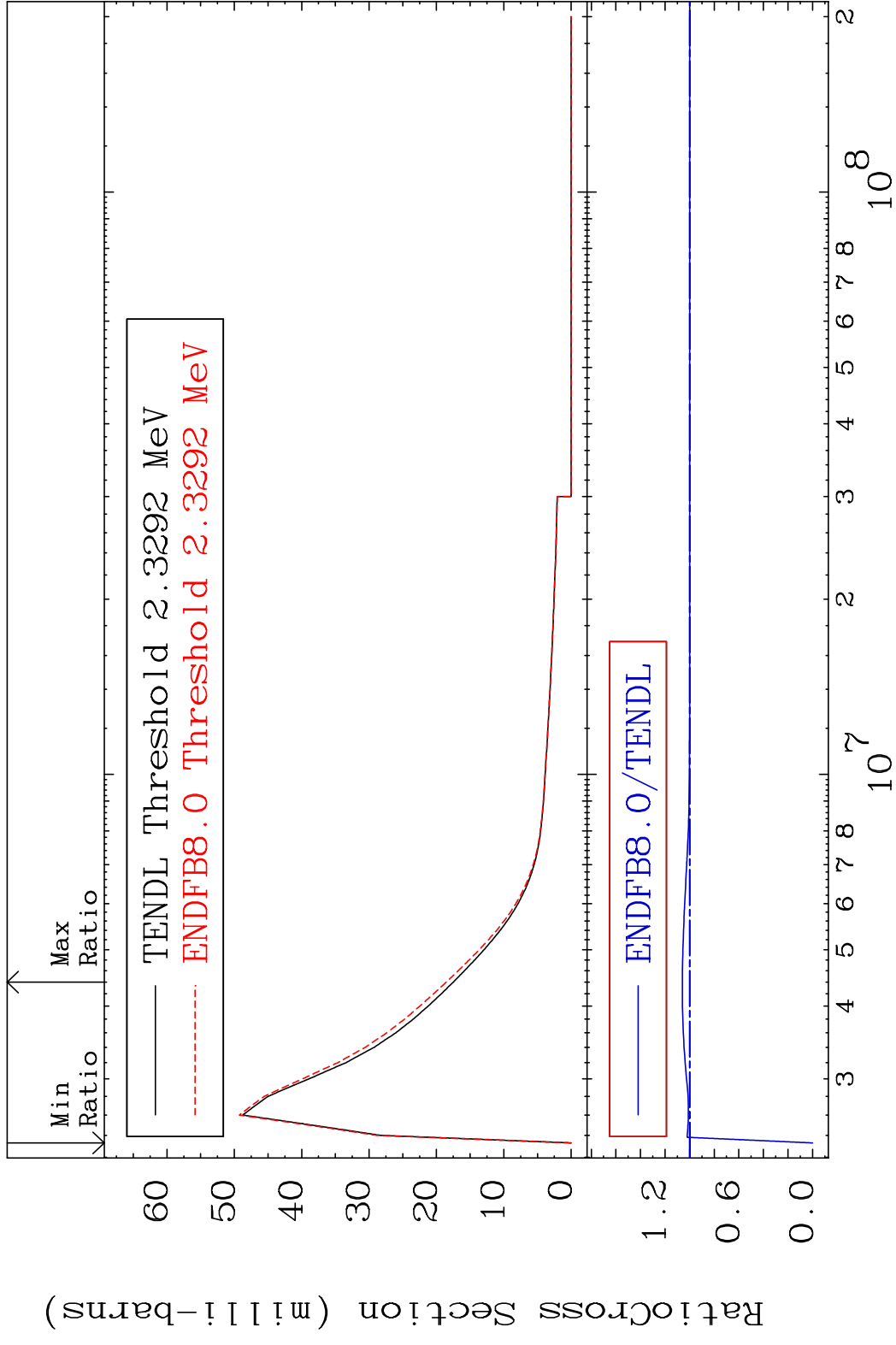
MAT 4228 MT= 60 (n,n') Level 42-Mo-93
 Cross Section -0.289 To 13.36 %



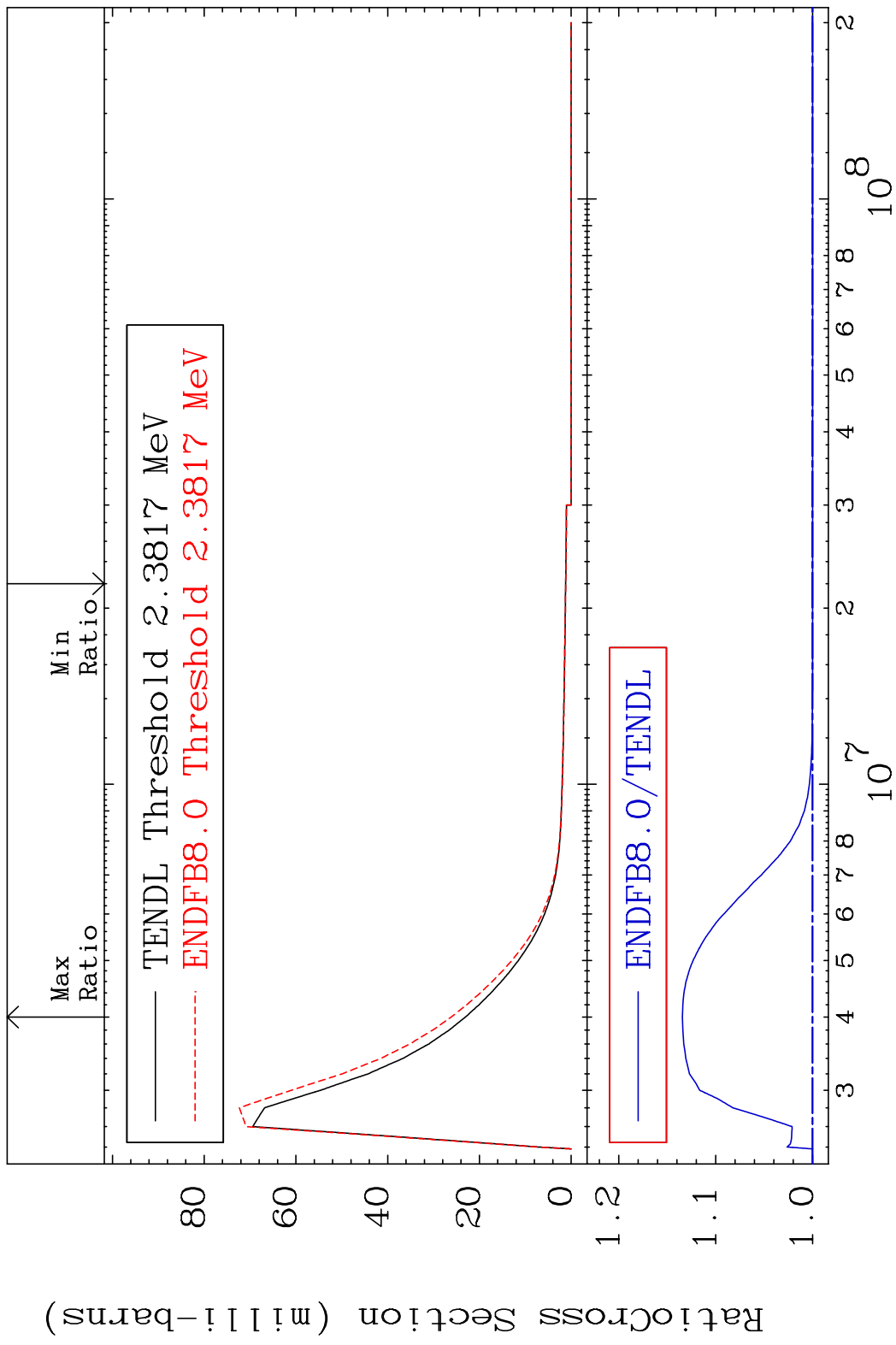
MAT 4228 MT= 61 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 248.1 %



MAT 4228 MT= 62 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 5.925 %

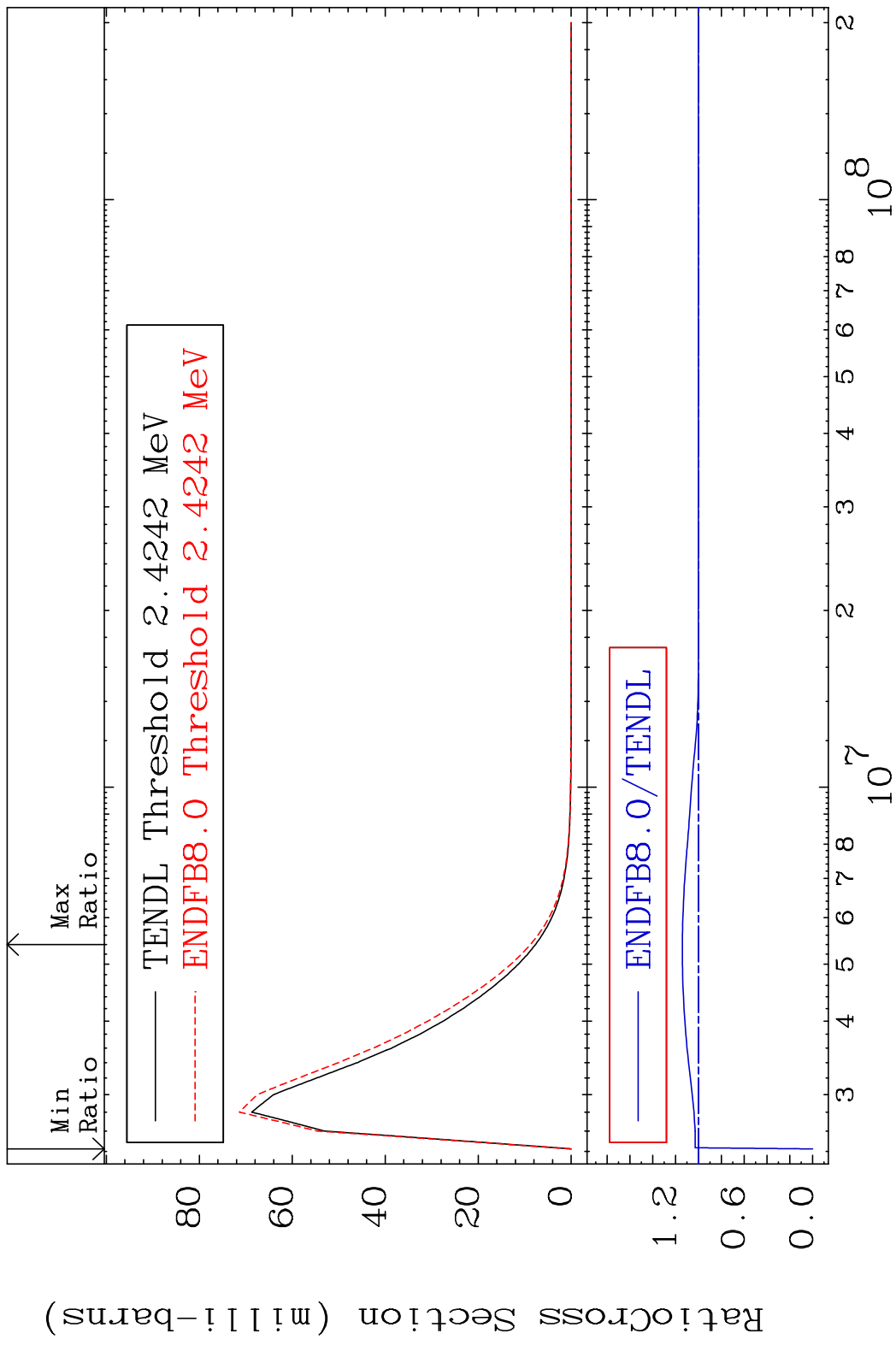


MAT 4228 MT= 63 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 13.43 %

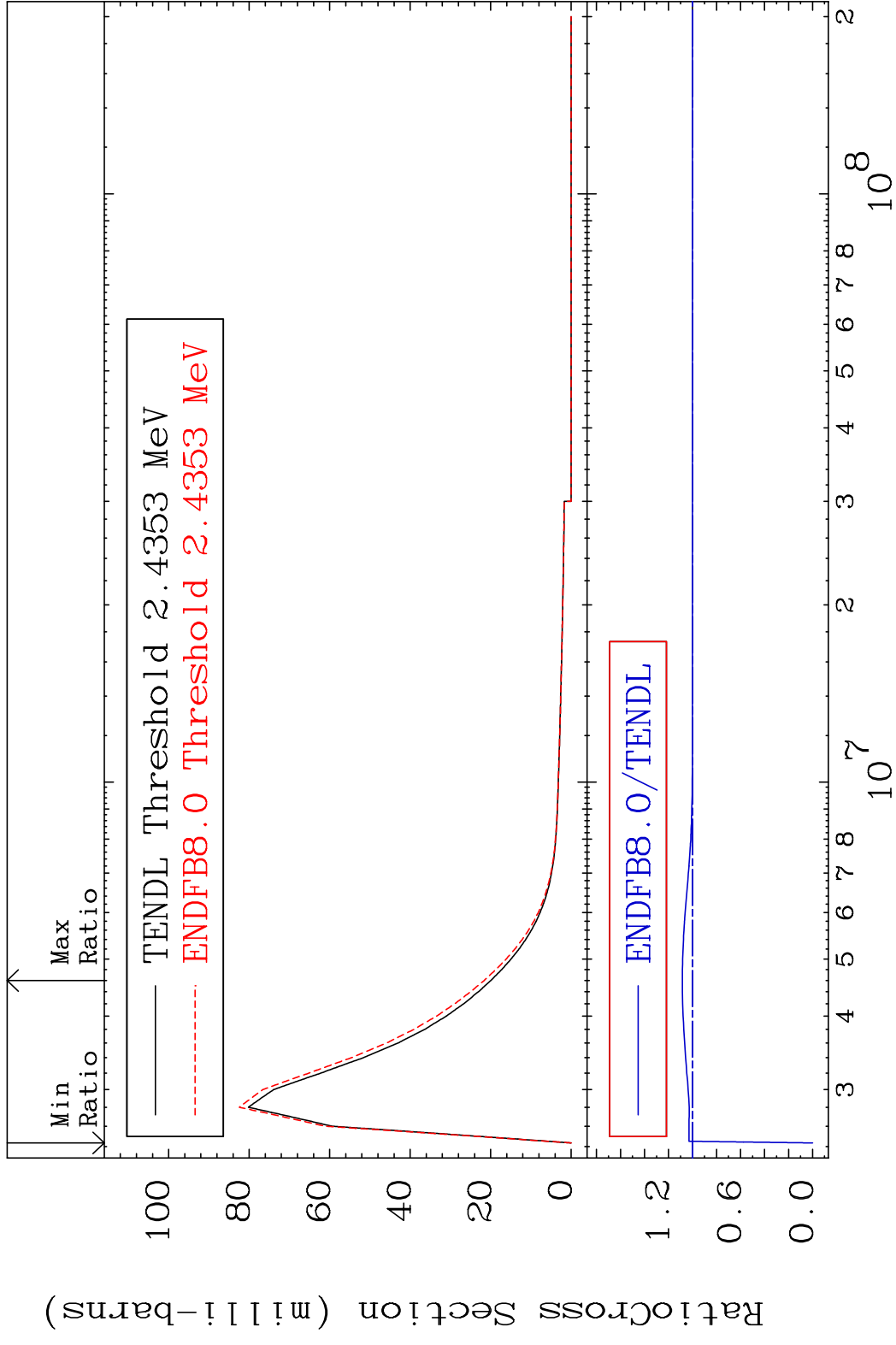


30 Incident Energy (eV) 42-Mo-93

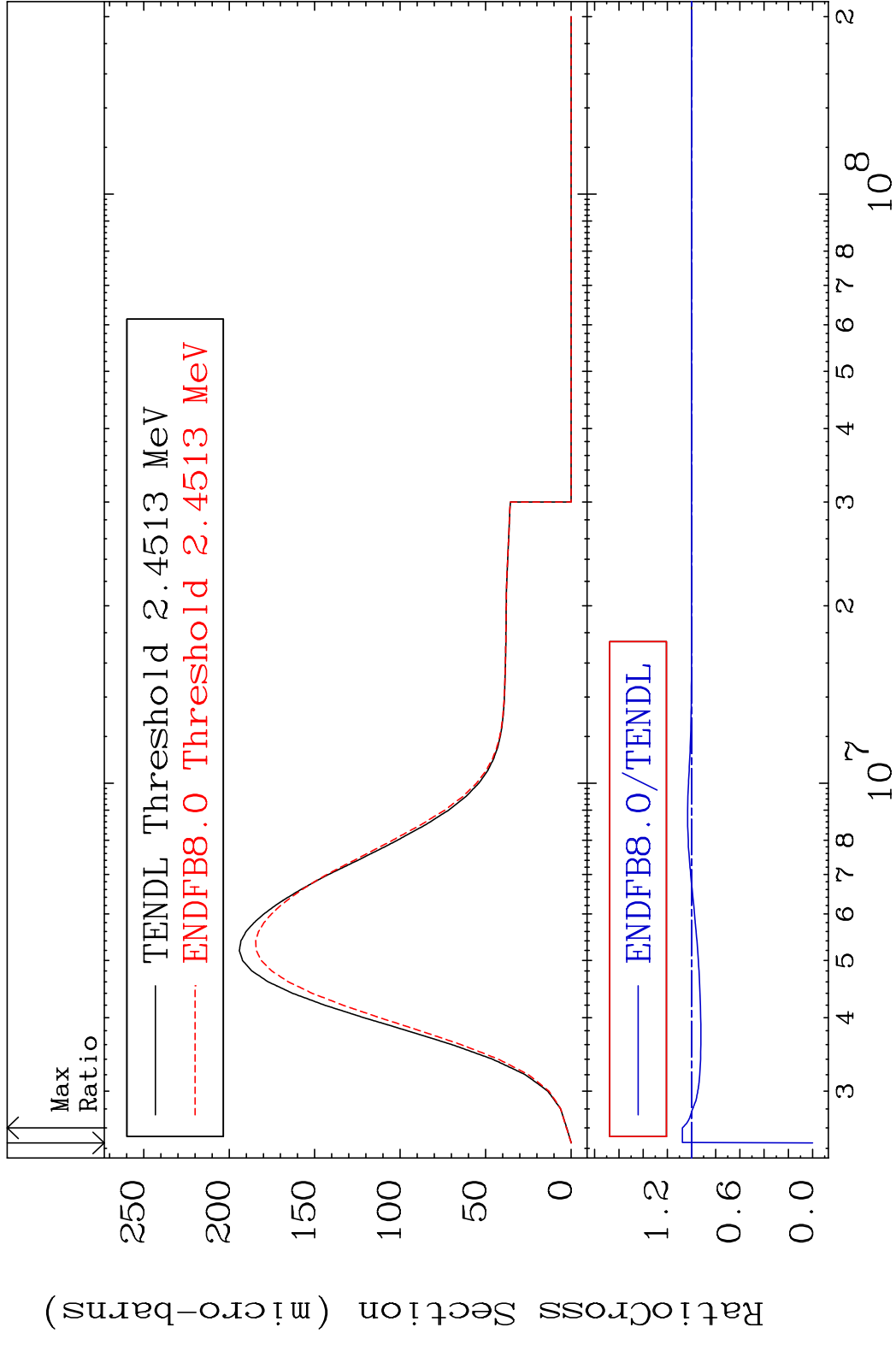
MAT 4228 MT= 64 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 14.12 %



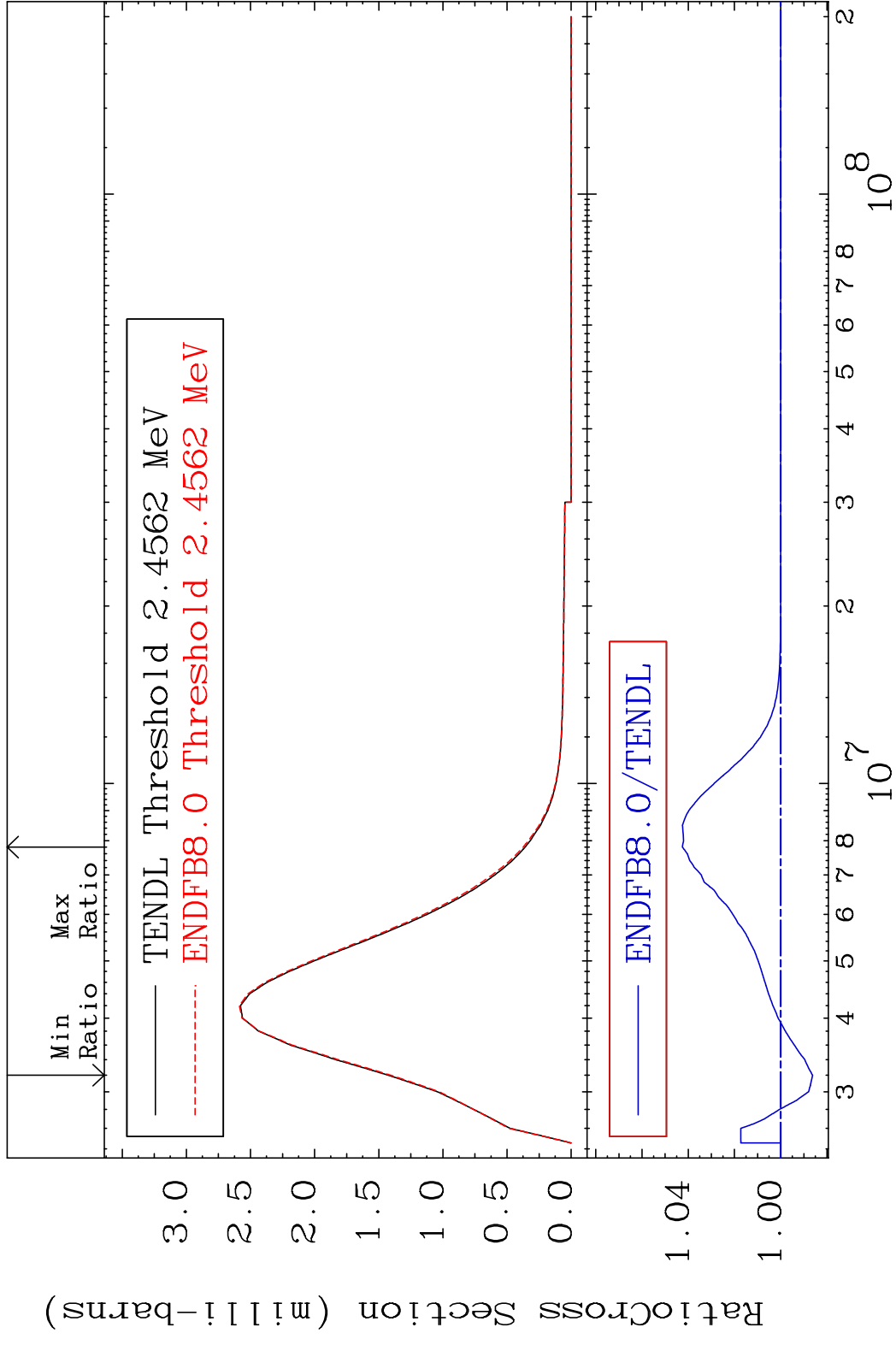
MAT 4228 MT= 65 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 8.475 %



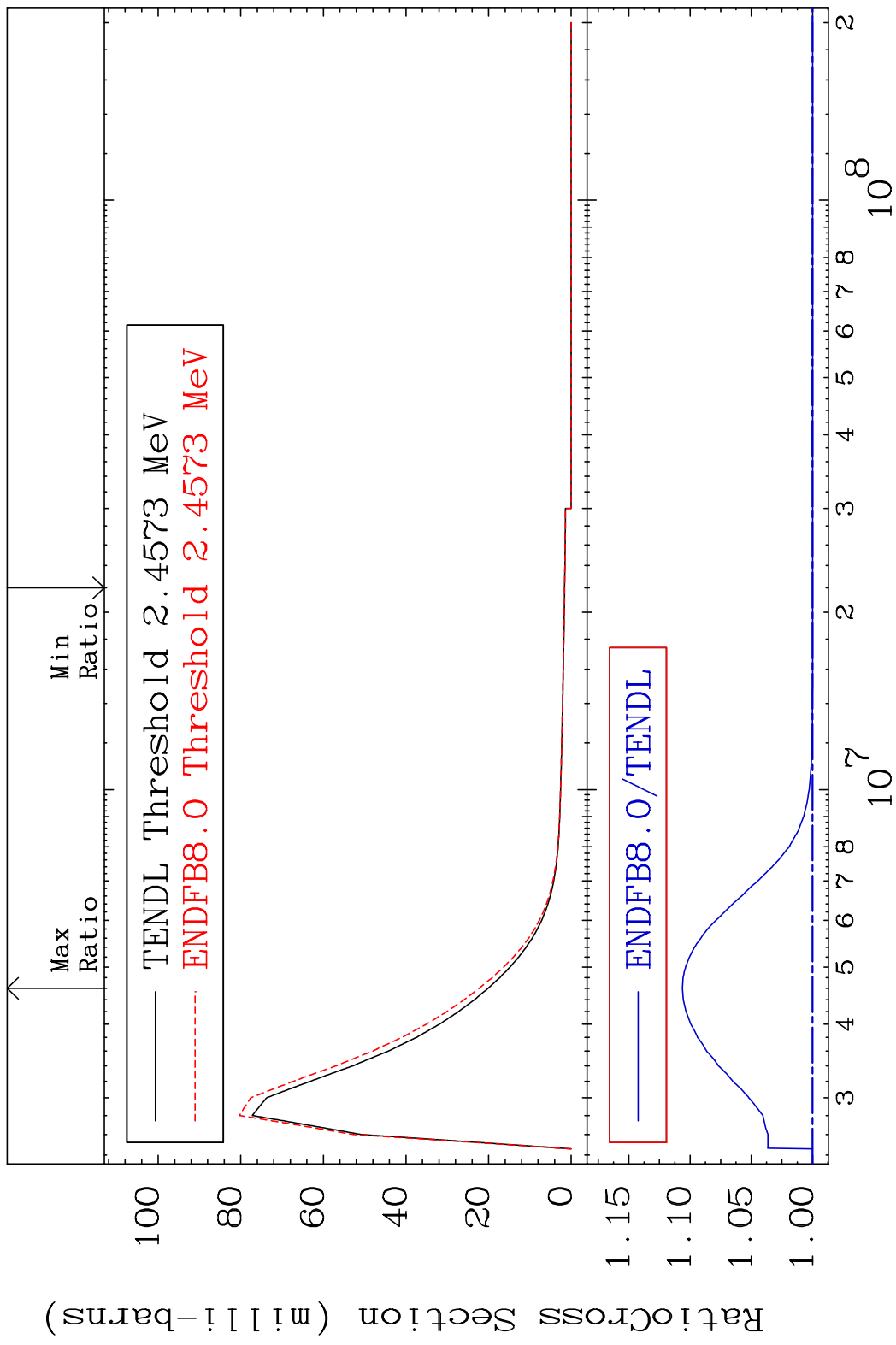
MAT 4228 MT= 66 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 7.562 %



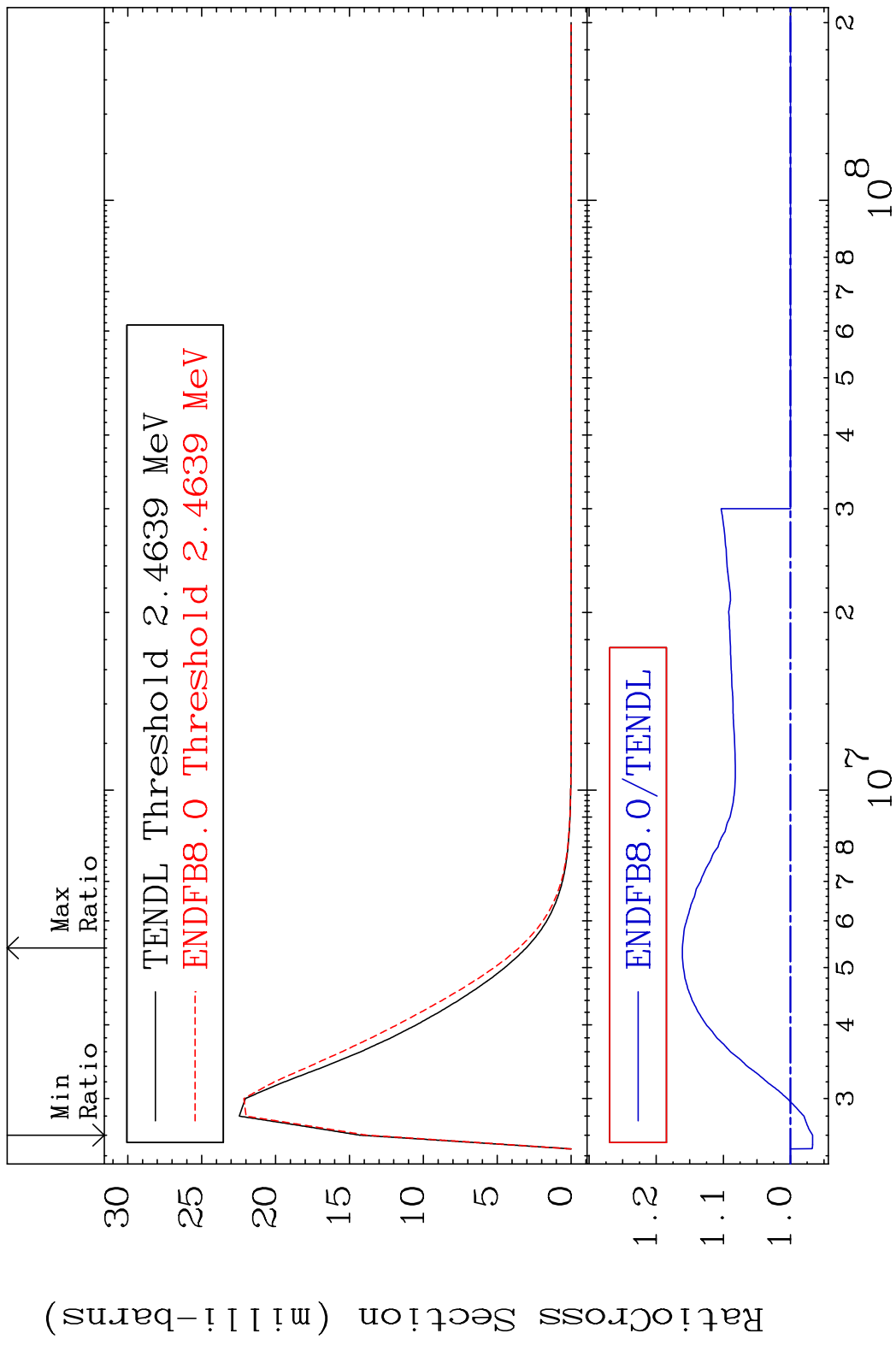
MAT 4228 MT= 67 (n, n') Level 42-Mo-93
 Cross Section -1.378 To 4.255 %



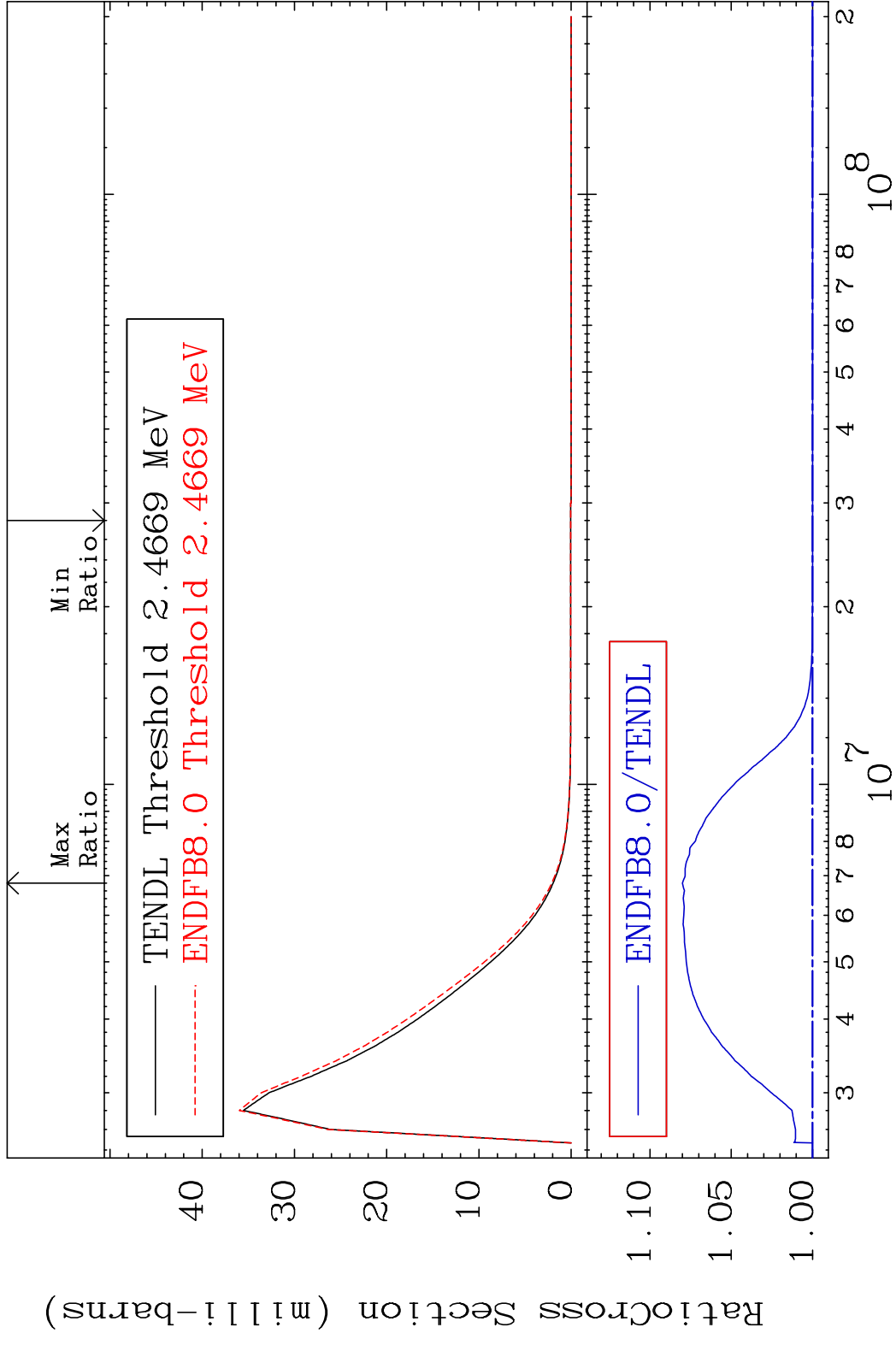
MAT 4228 MT= 68 (n,n') Level 42-Mo-93
 Cross Section 0.000 To 10.63 %



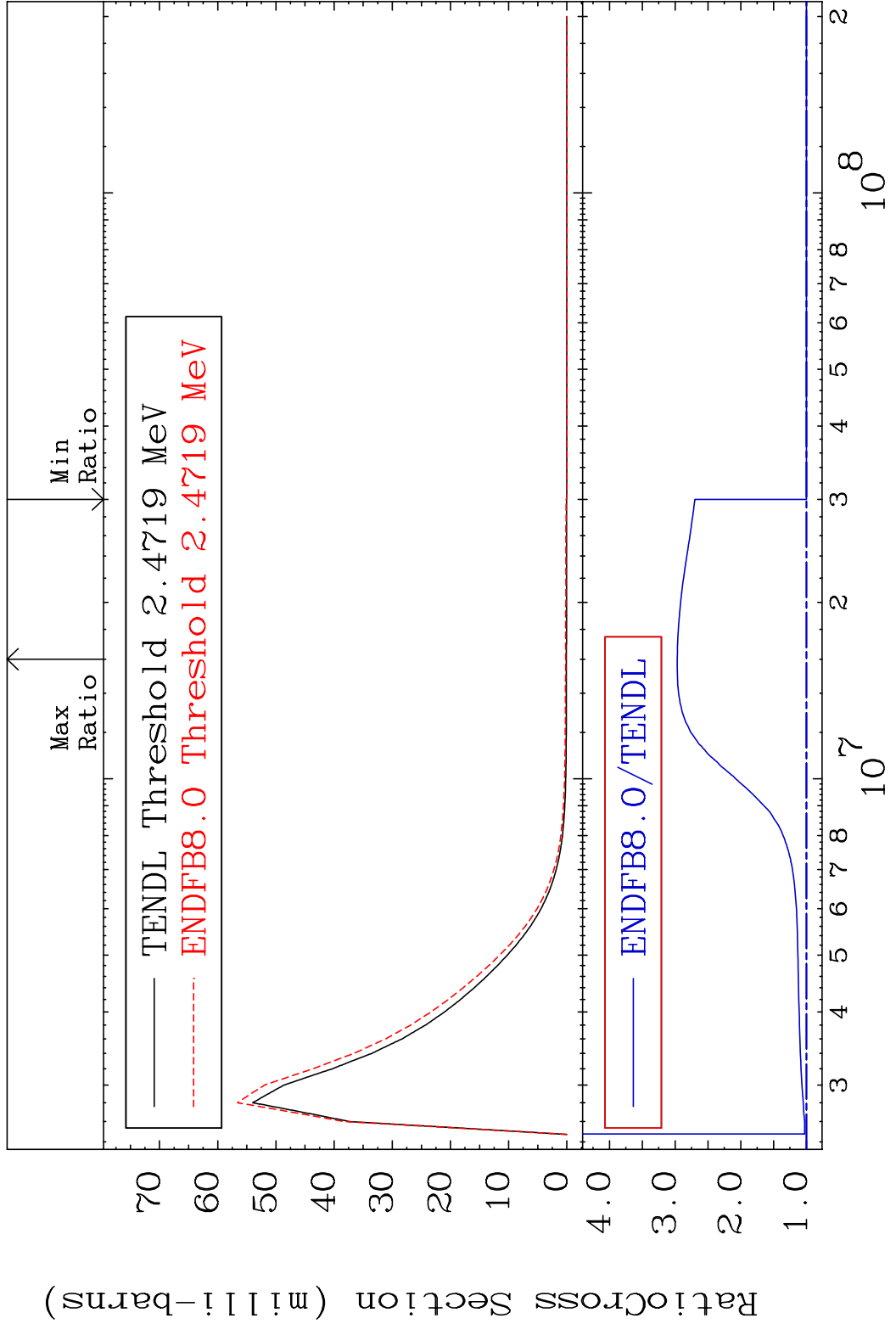
MAT 4228 MT= 69 (n,n') Level 42-Mo-93
 Cross Section -3.298 To 16.11 %



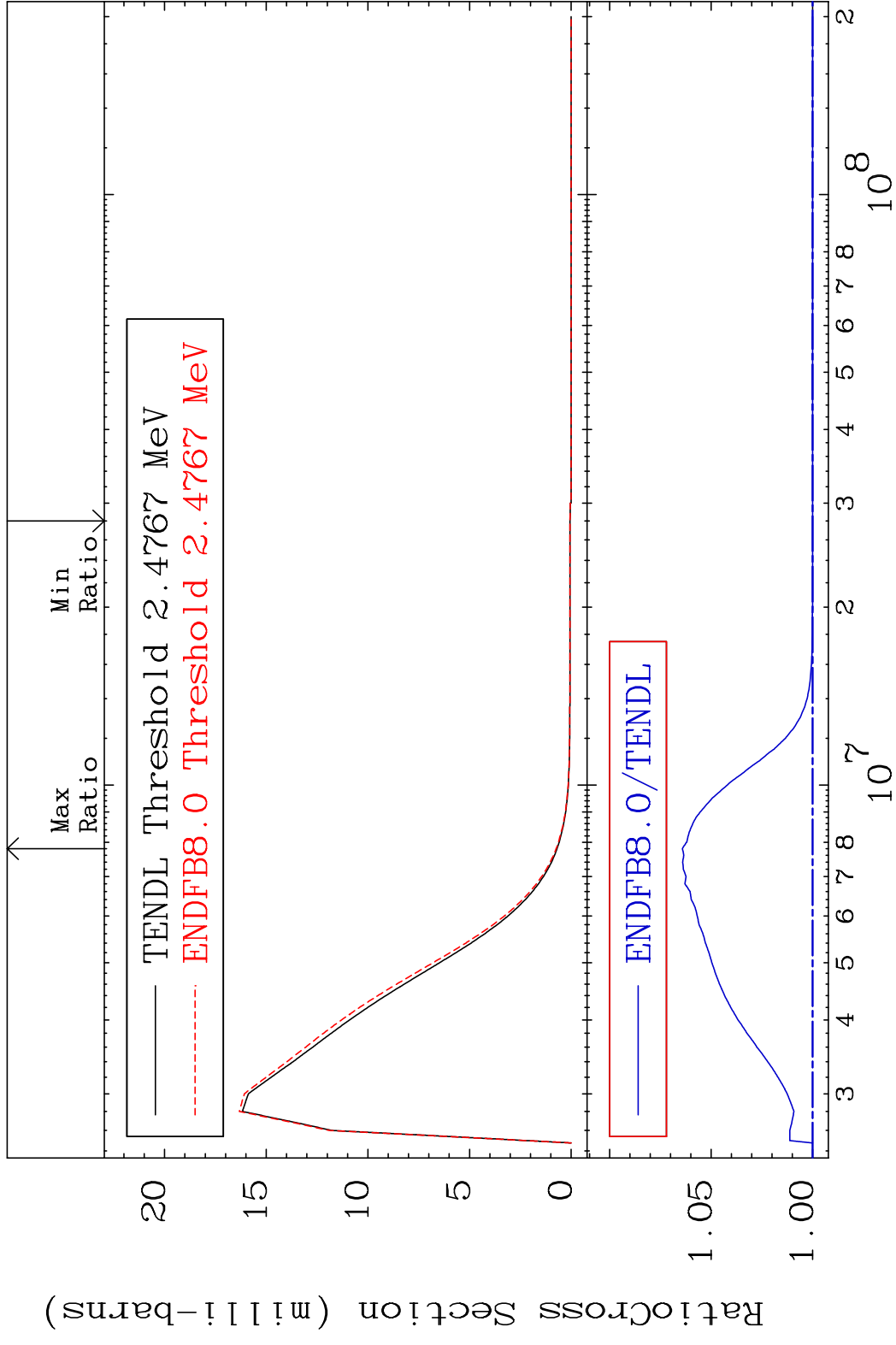
MAT 4228 MT= 70 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 8.007 %



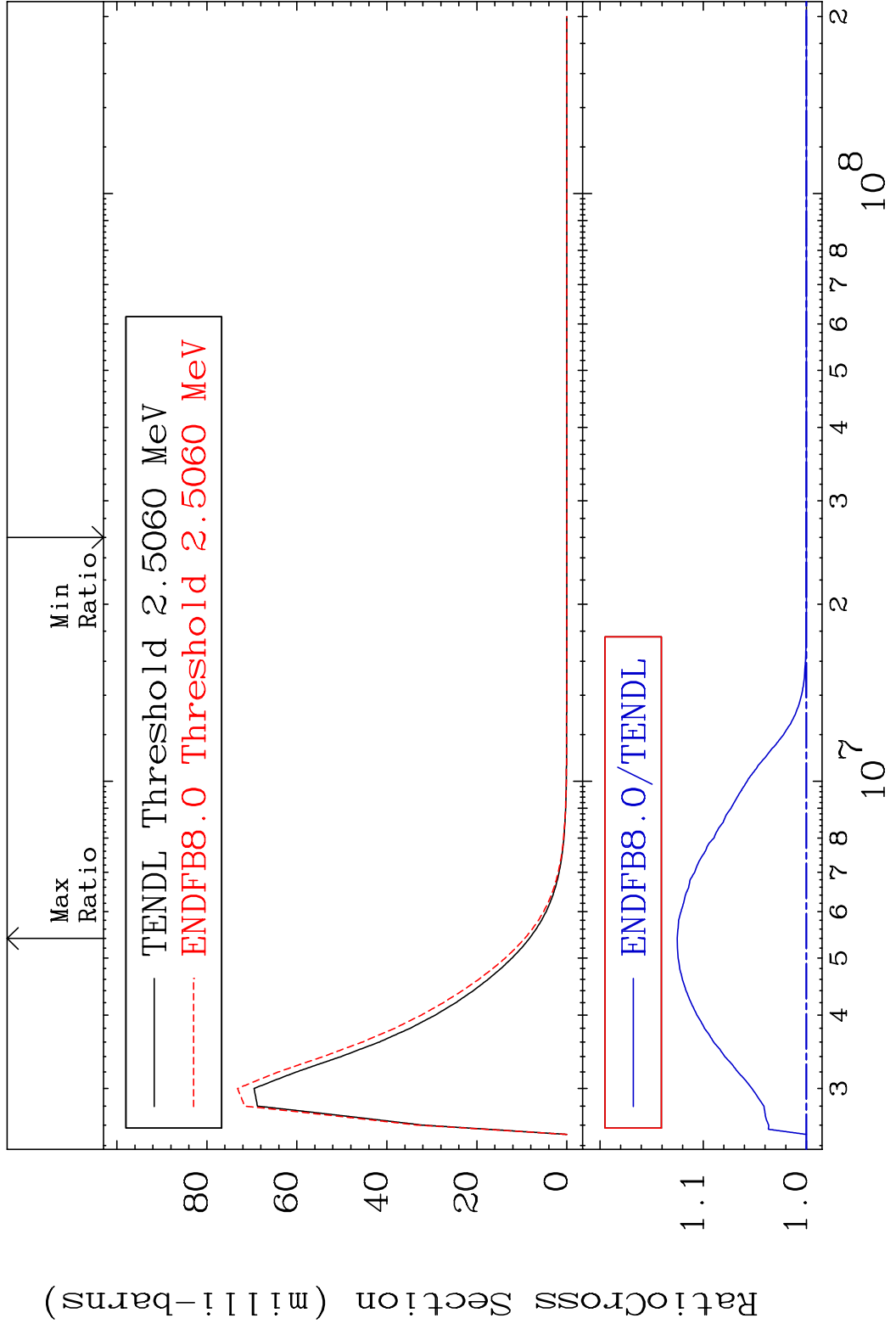
MAT 4228 MT= 71 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 196.9 %



MAT 4228 MT= 72 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 6.420 %

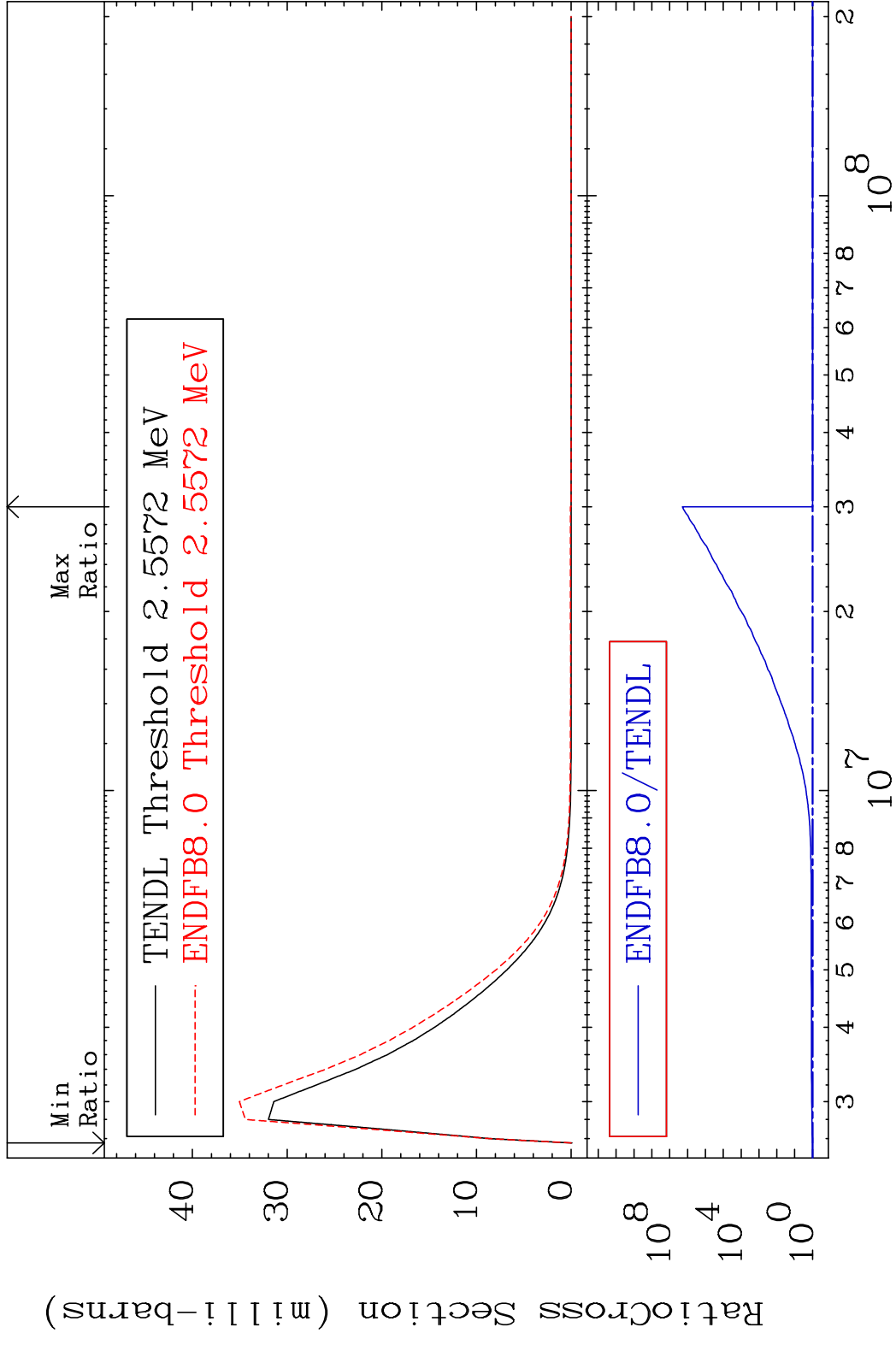


MAT 4228 MT= 73 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 12.52 %



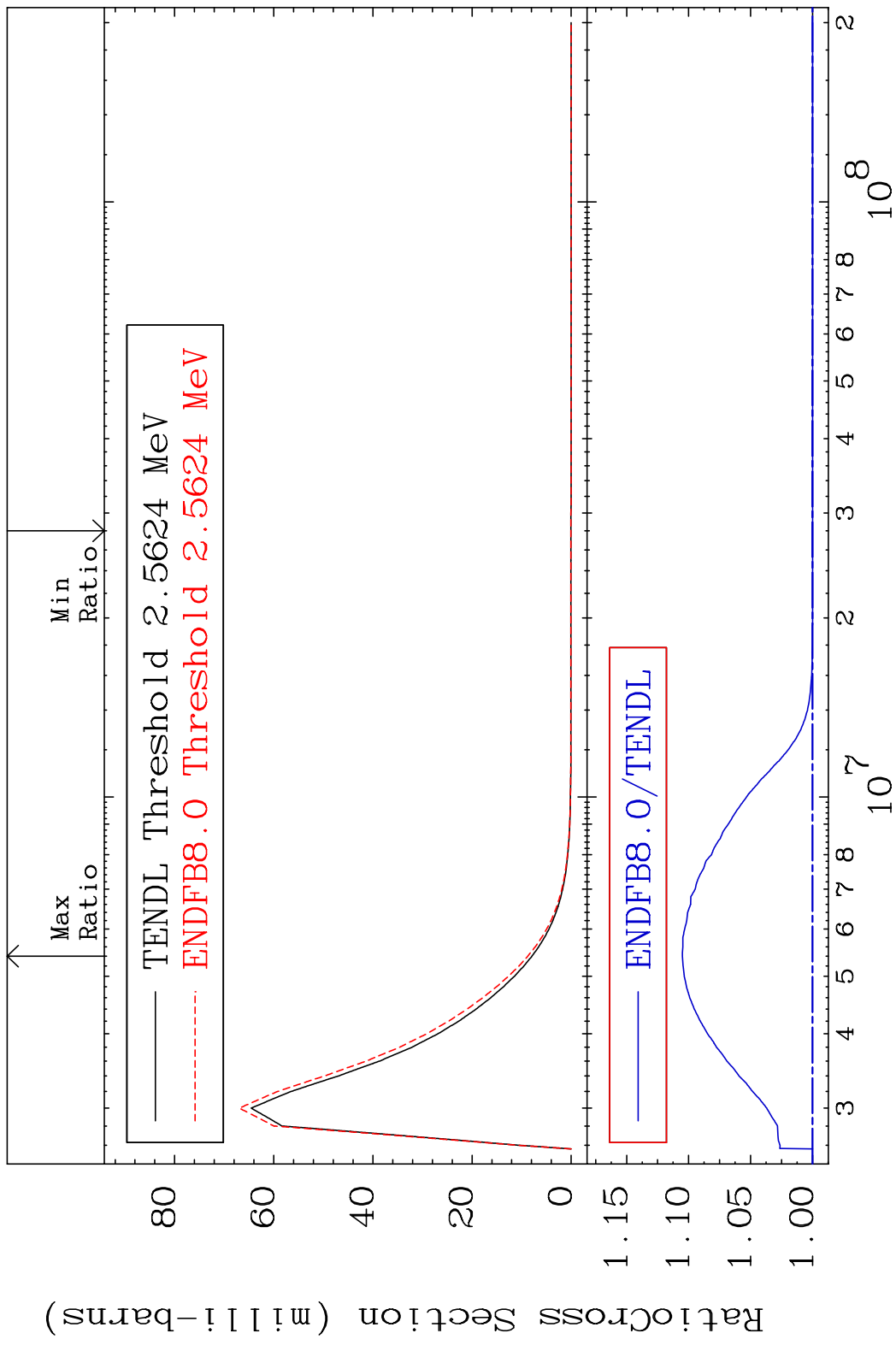
40 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 74 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 9999. %

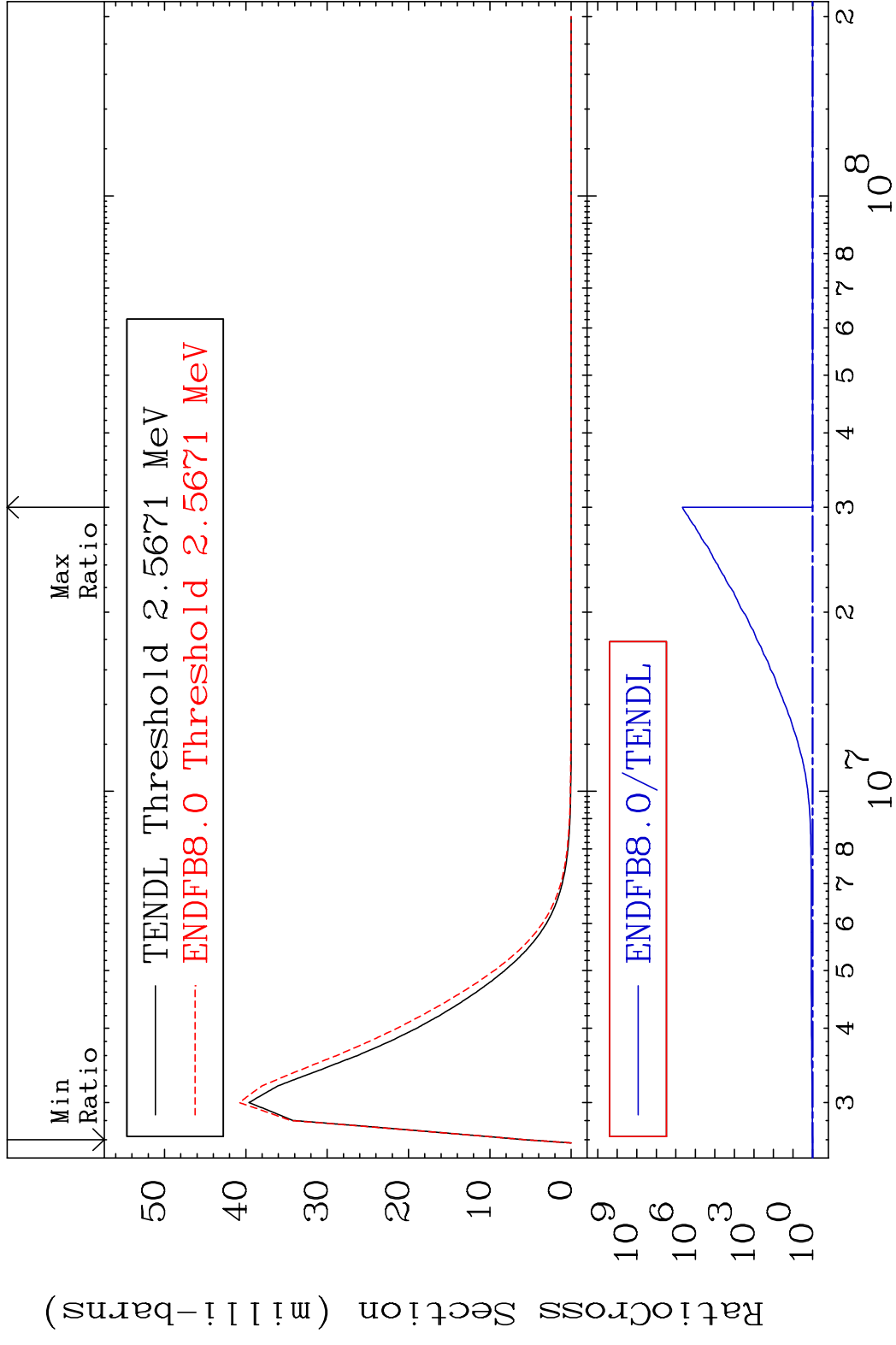


41 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 75 (n, n') Level 42-Mo-93
 Cross Section 0.000 To 10.51 %

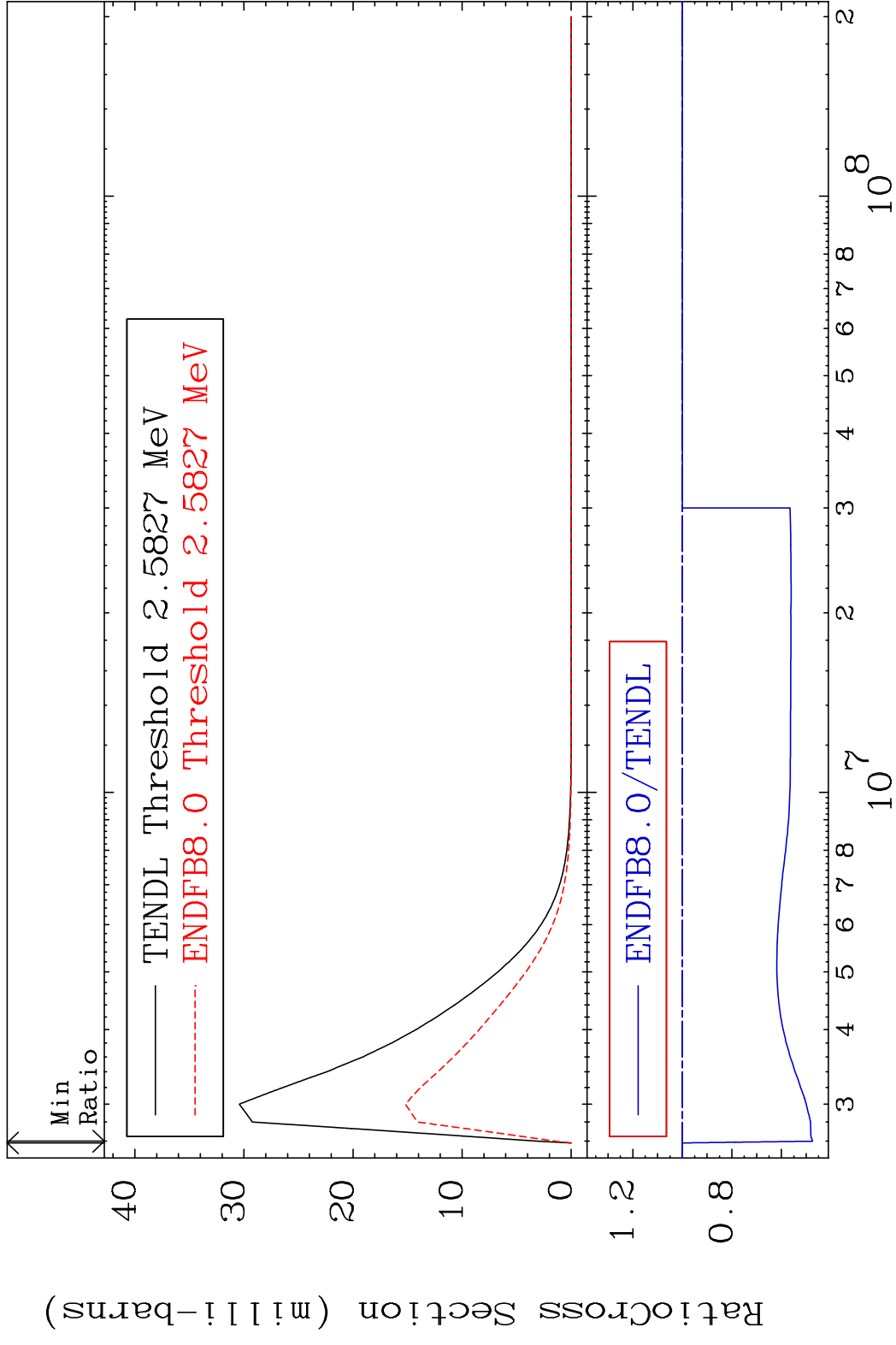


MAT 4228 MT= 76 (n,n') Level 42-Mo-93
 Cross Section -0.649 To 9999. %

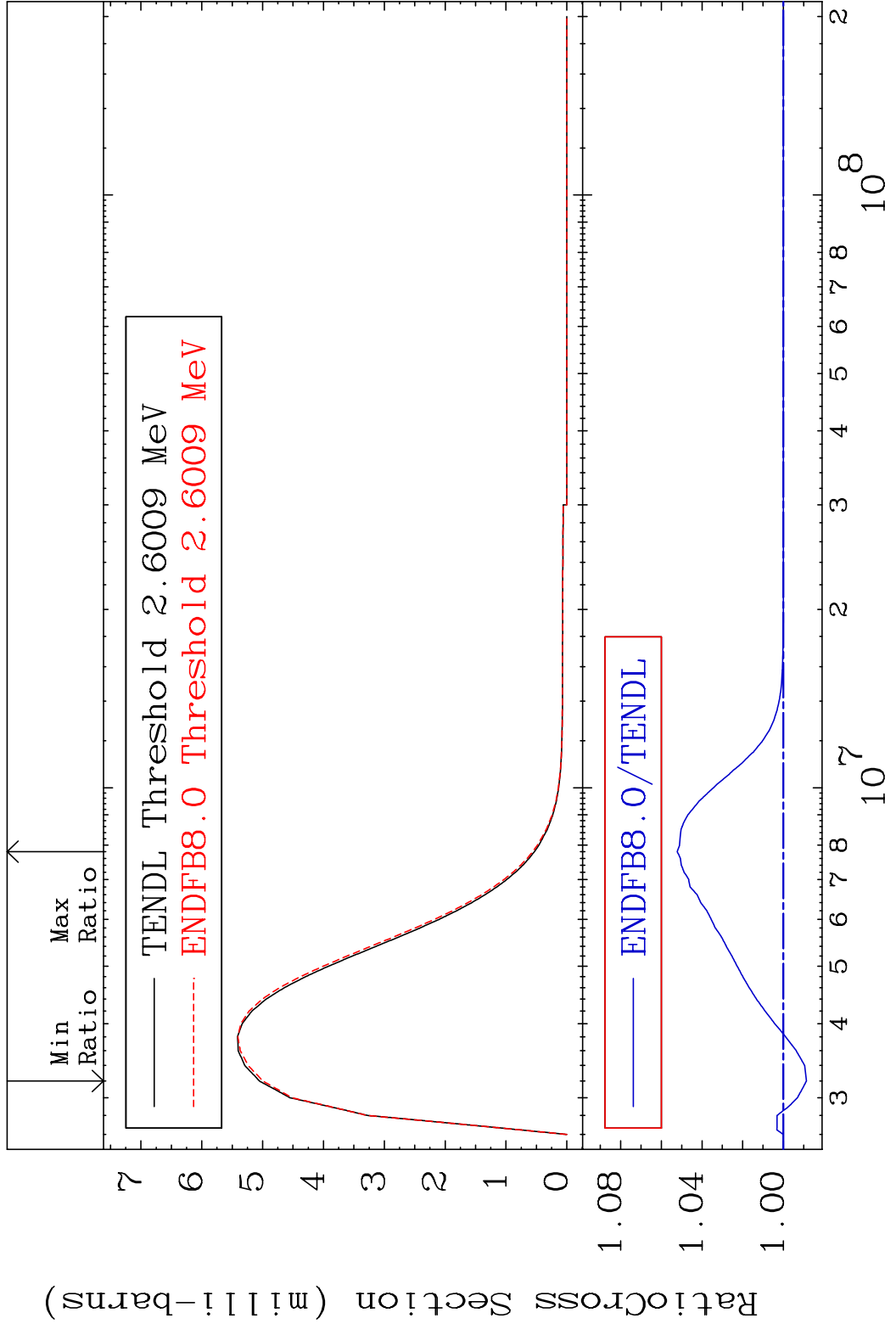


43 42-Mo-93

MAT 4228 MT= 77 (n,n') Level 42-Mo-93
 Cross Section -52.56 To 0.000 %

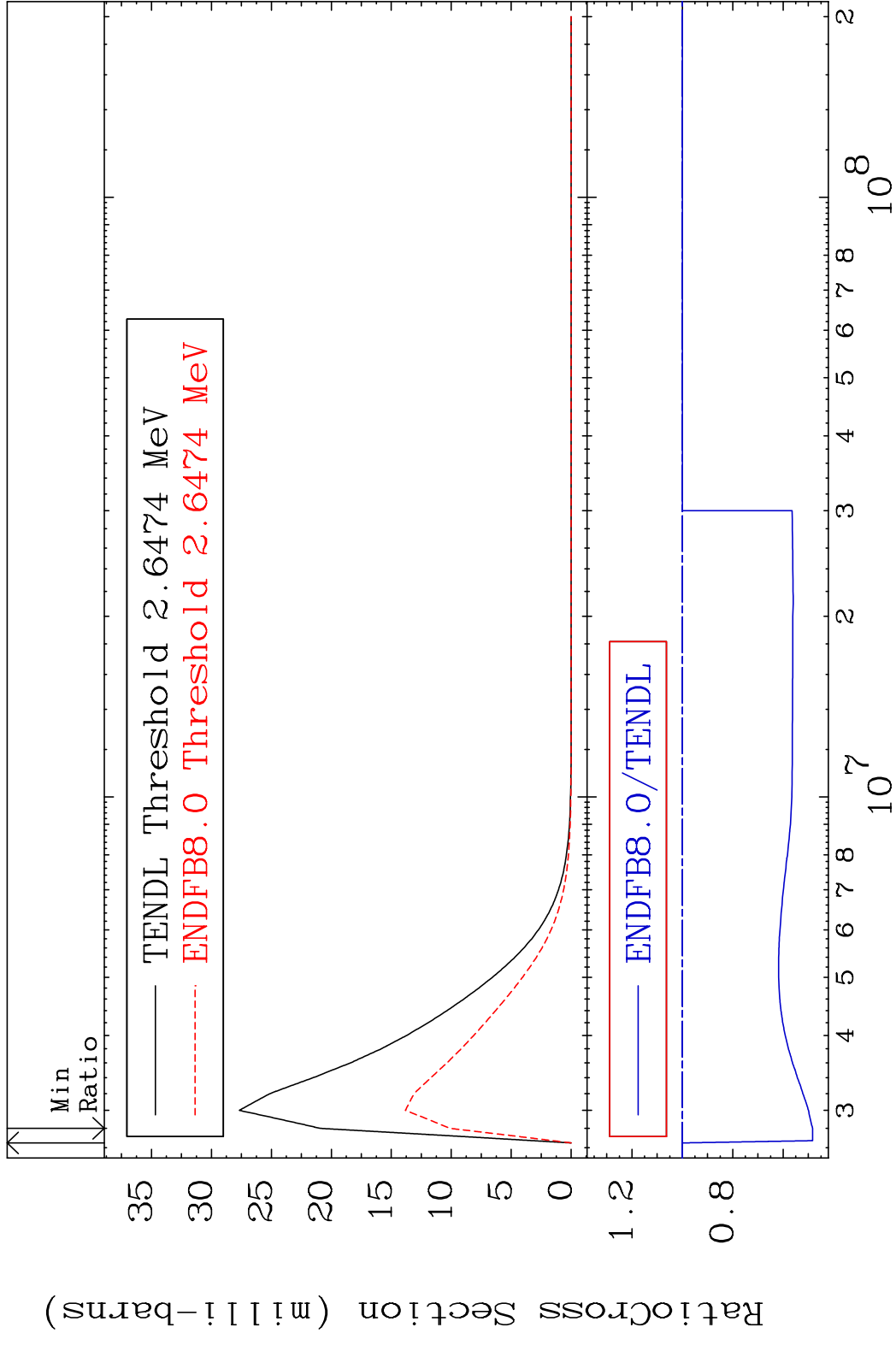


MAT 4228 MT= 78 (n,n') Level 42-Mo-93
 Cross Section -1.133 To 5.221 %

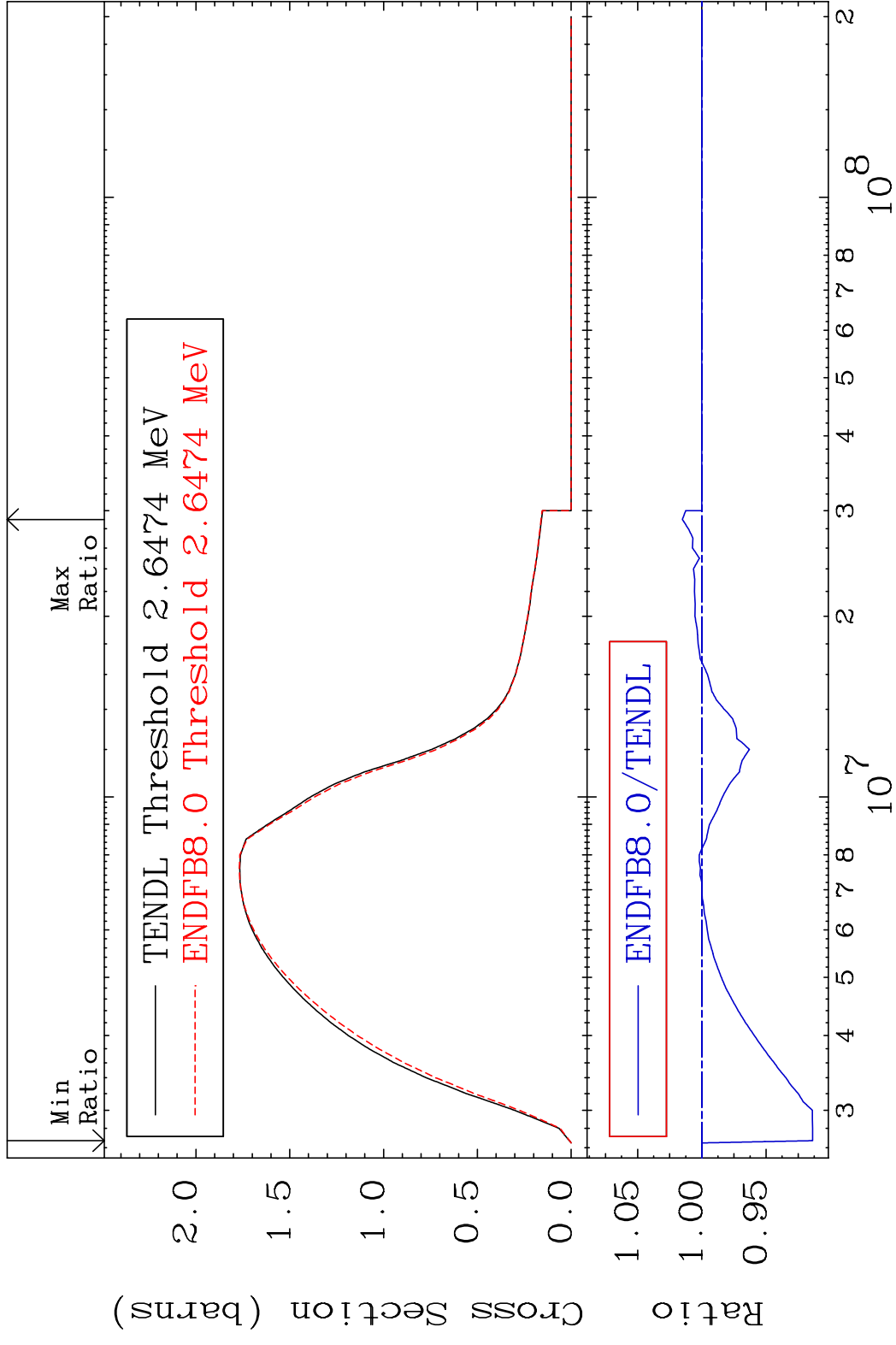


45 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 79 (n,n') Level 42-Mo-93
 Cross Section -51.67 To 0.000 %



MAT 4228 (n, n') Continuum 42-Mo-93
 Cross Section -8.616 To 1.517 %

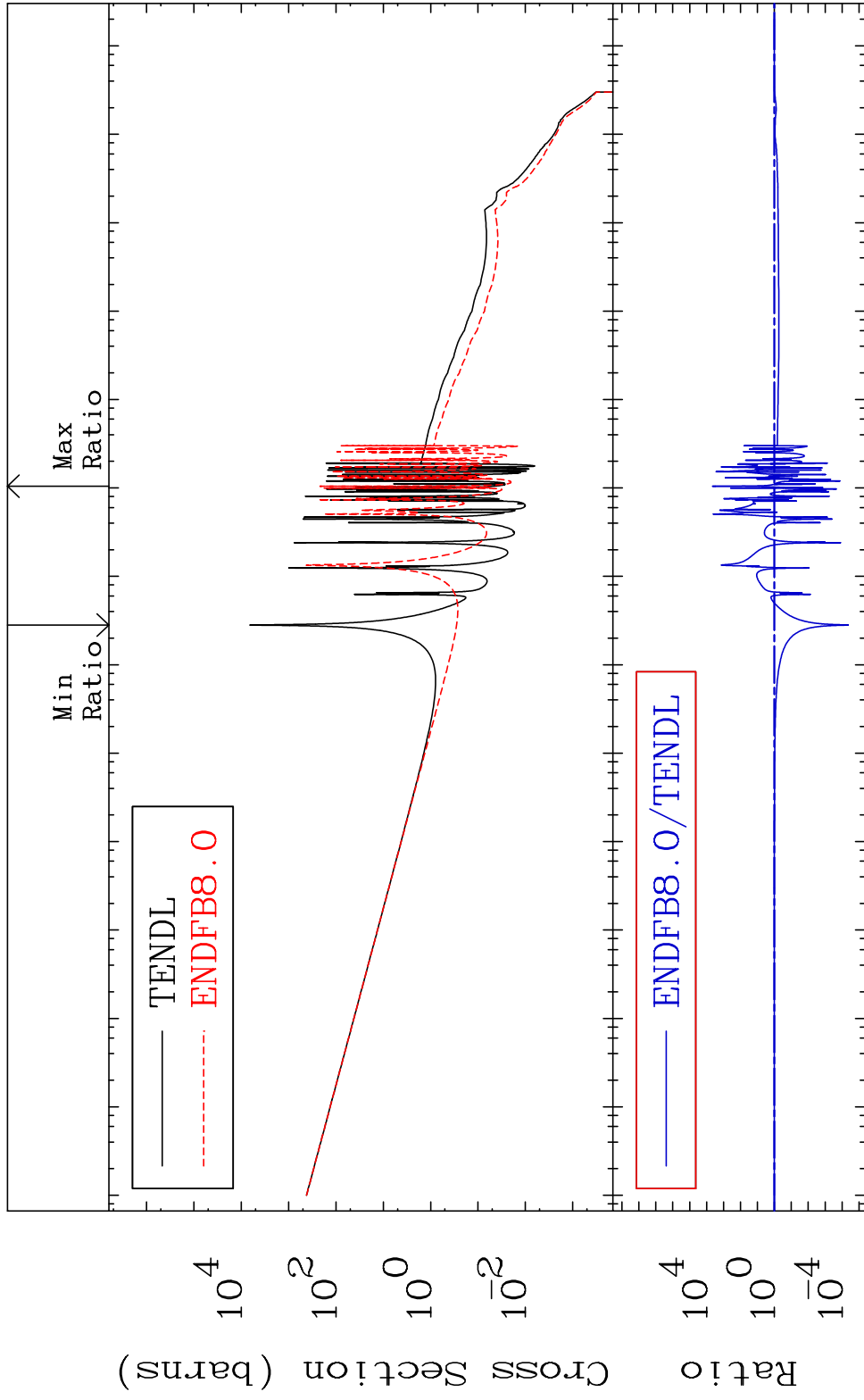


MAT 4228

(n, γ)

42-Mo-93

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

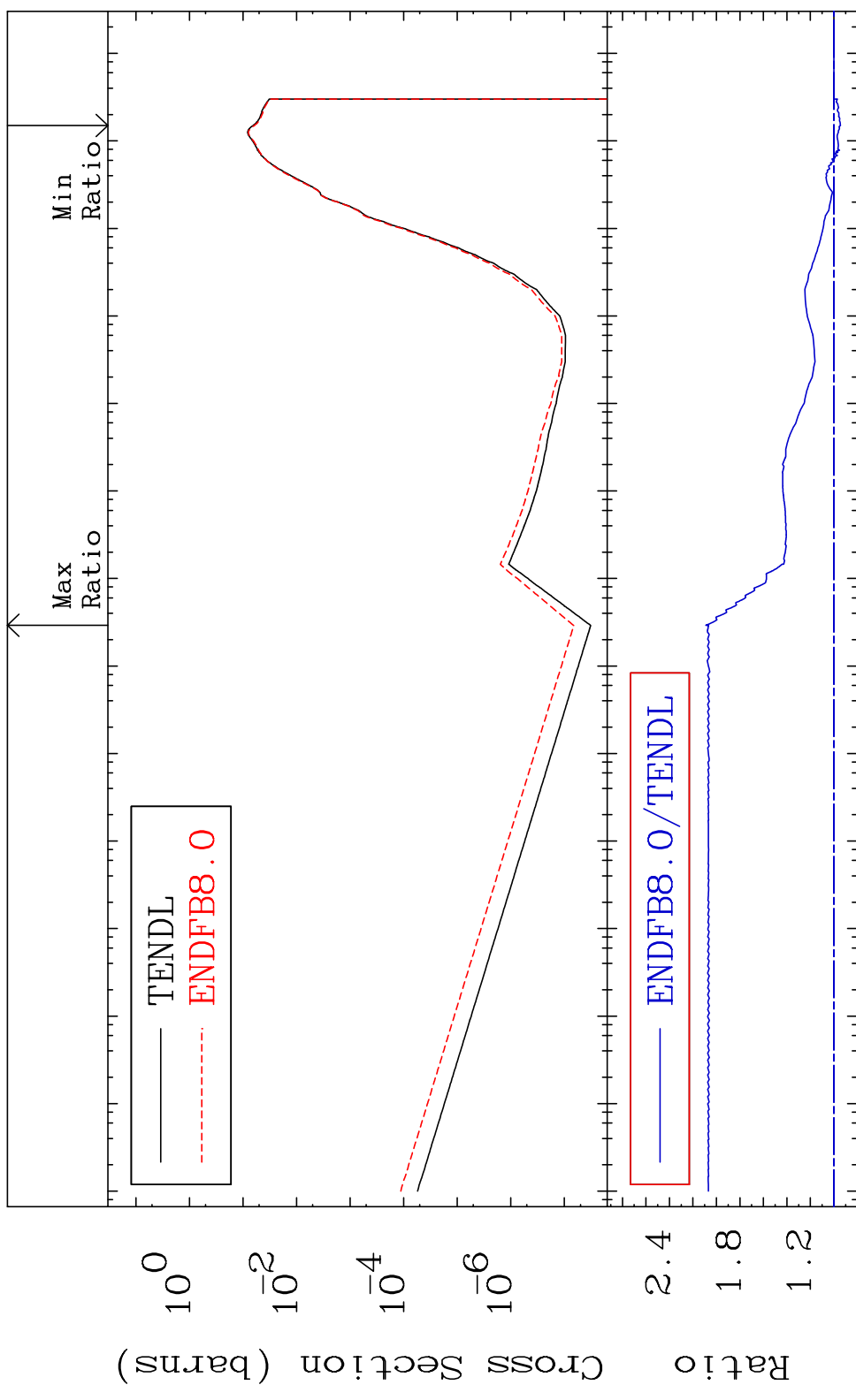
42-Mo-93

MAT 4228

(n, p)

42-Mo-93

Cross Section -5.603 To 109.1 %

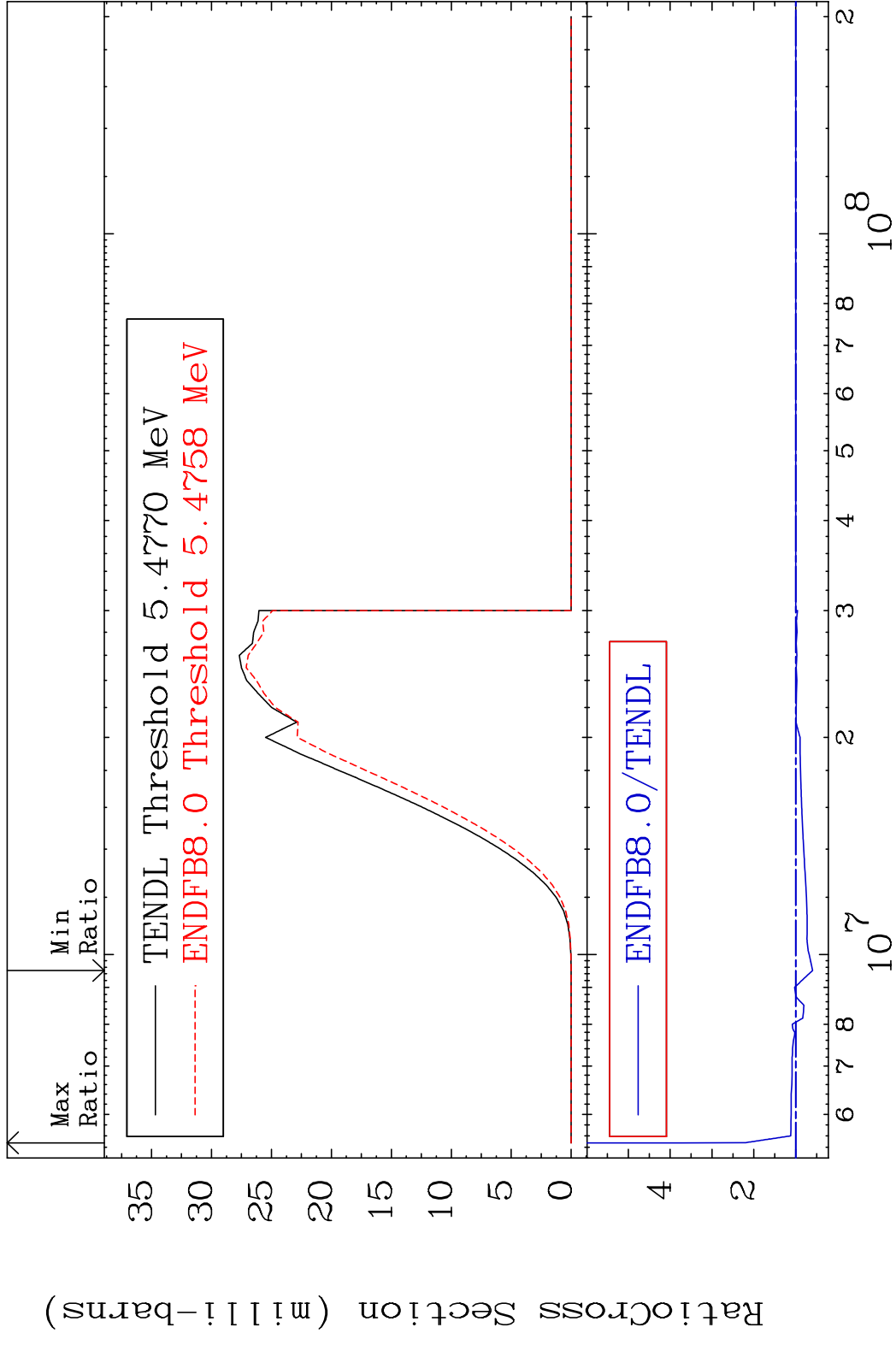


49

Incident Energy (eV)

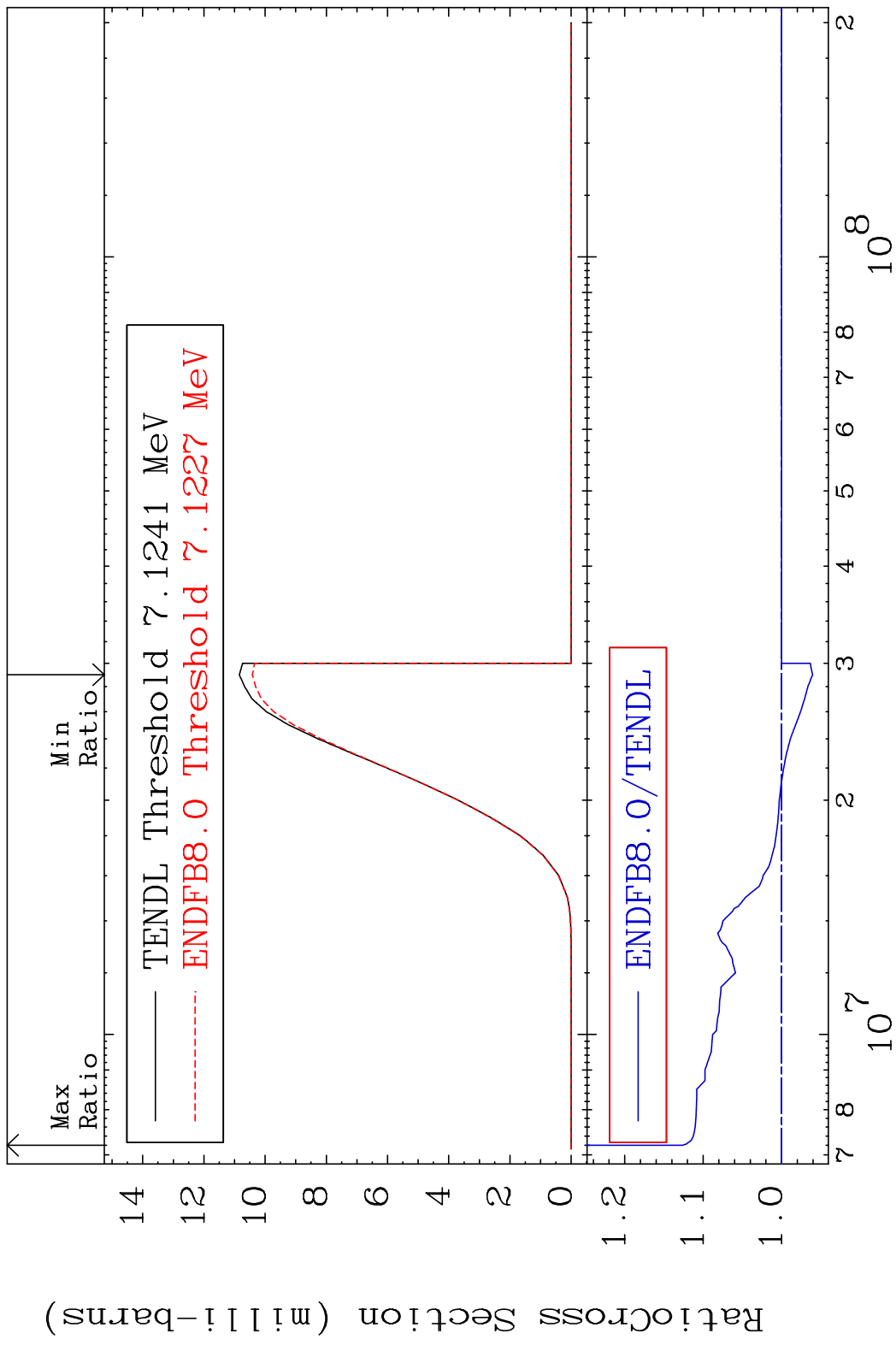
42-Mo-93

MAT 4228 (n,d) 42-Mo-93
 Cross Section -40.31 To 270.9 %



50 Incident Energy (eV) 42-Mo-93

MAT 4228 (n, t) 42-Mo-93
 Cross Section -3.944 To 12.66 %

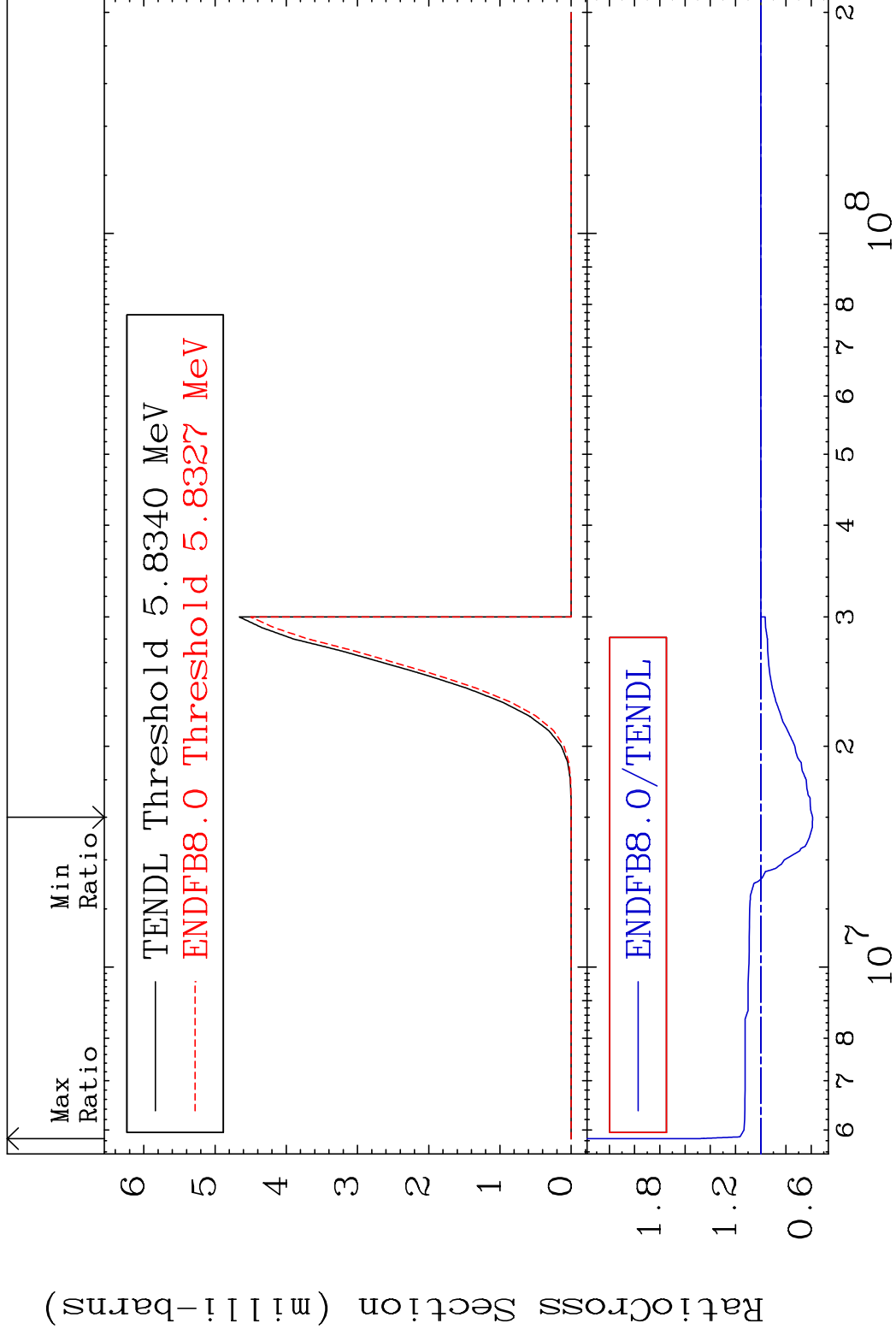


MAT 4228

(n, He-3)

42-Mo-93

Cross Section -41.06 To 62.15 %



52

Incident Energy (eV)

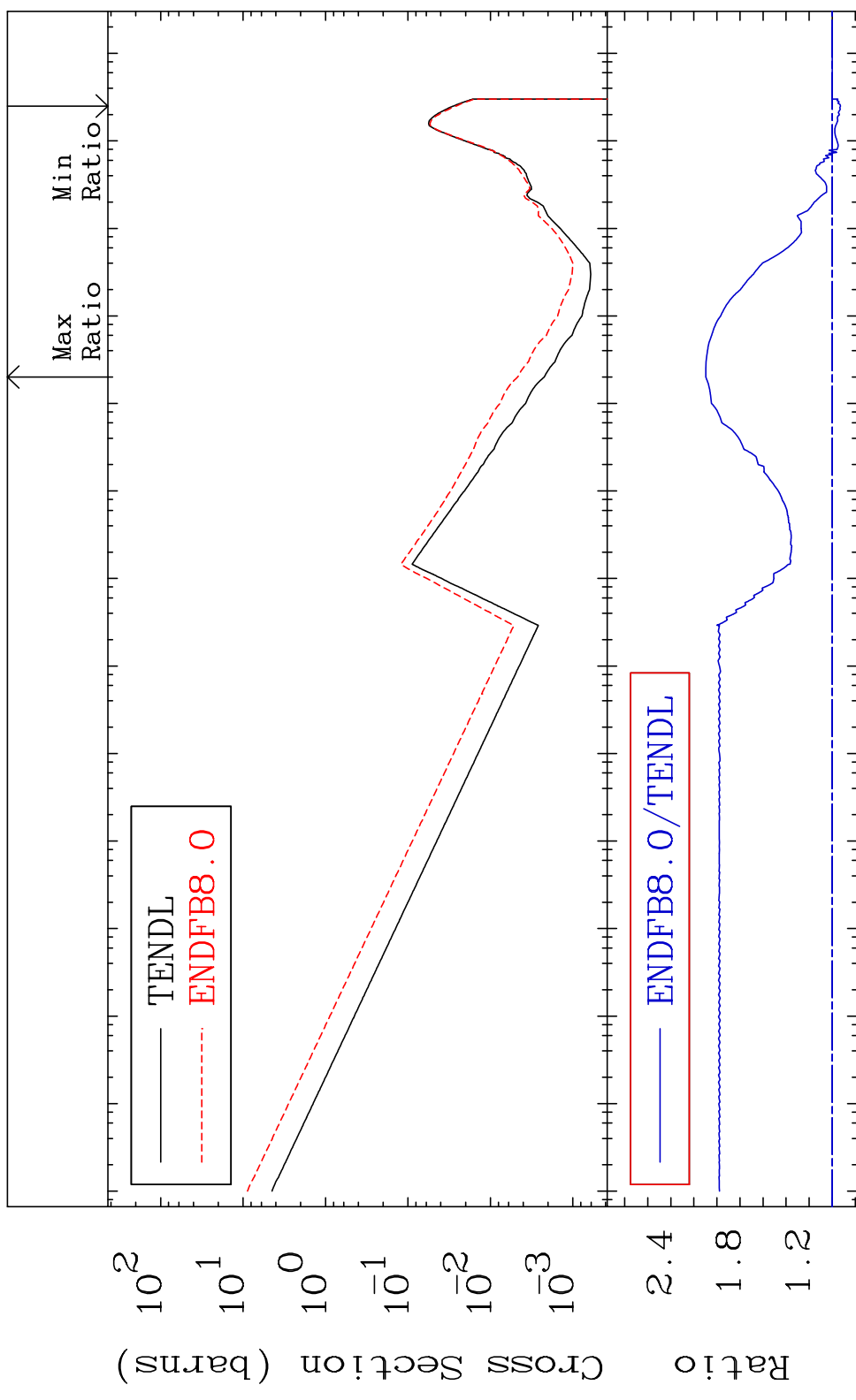
42-Mo-93

MAT 4228

(n, α)

42-Mo-93

Cross Section -7.128 To 109.7 %



53

Incident Energy (eV)

42-Mo-93

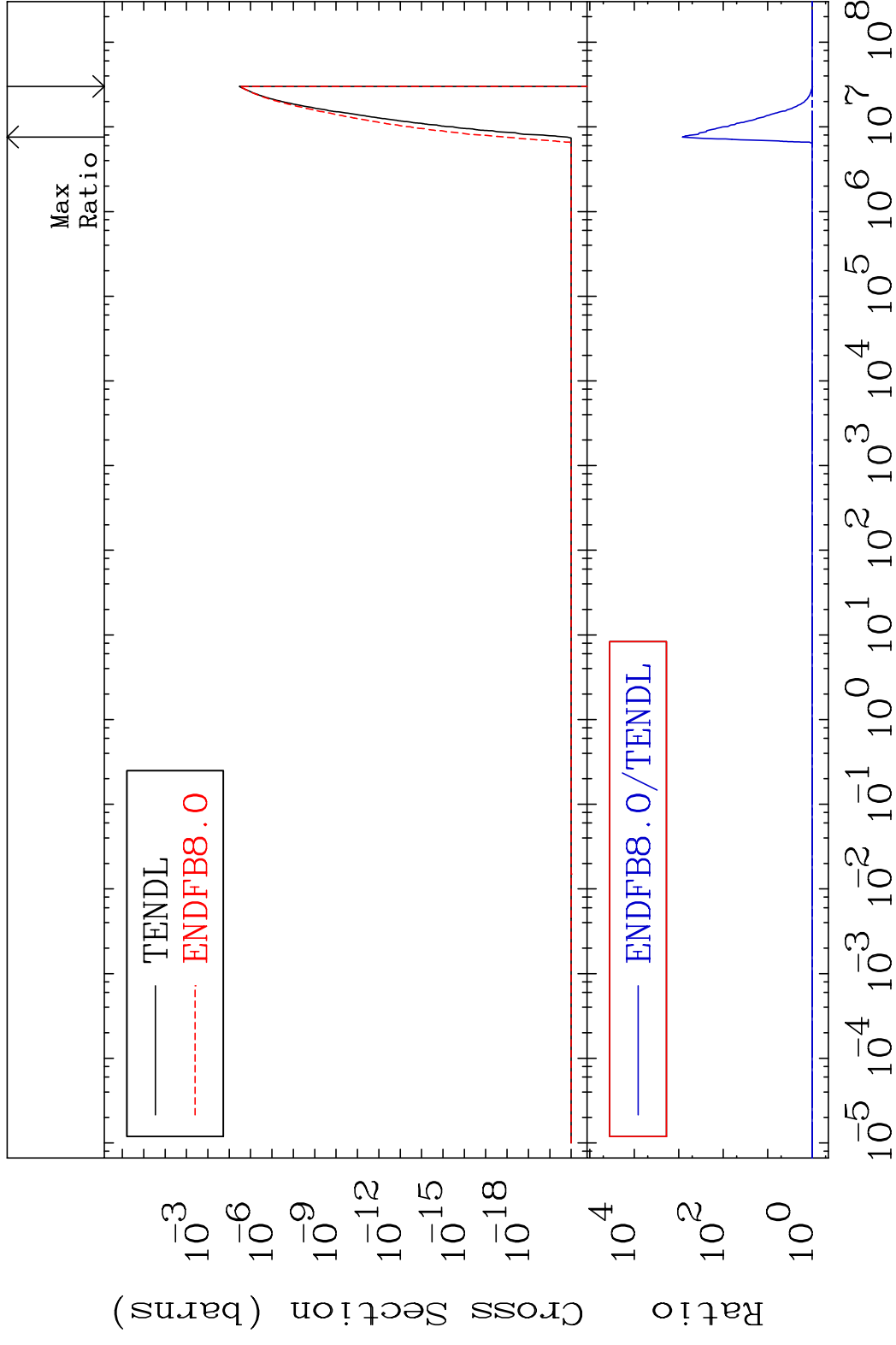
MAT 4228

(n,2α)

42-Mo-93

Cross Section

-2.039 To 9999. %

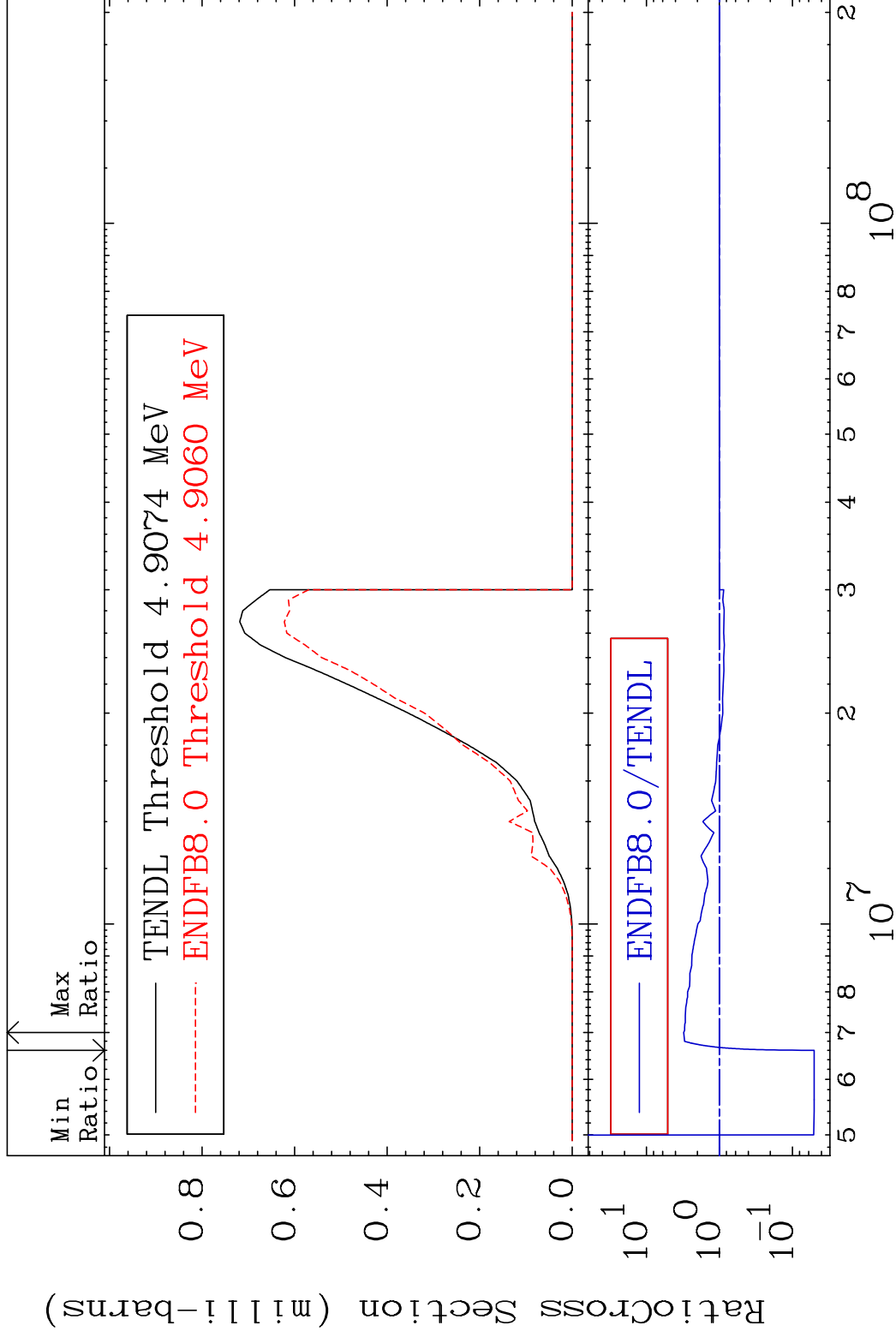


MAT 4228

(n,2p)

42-Mo-93

Cross Section -94.96 To 208.7 %

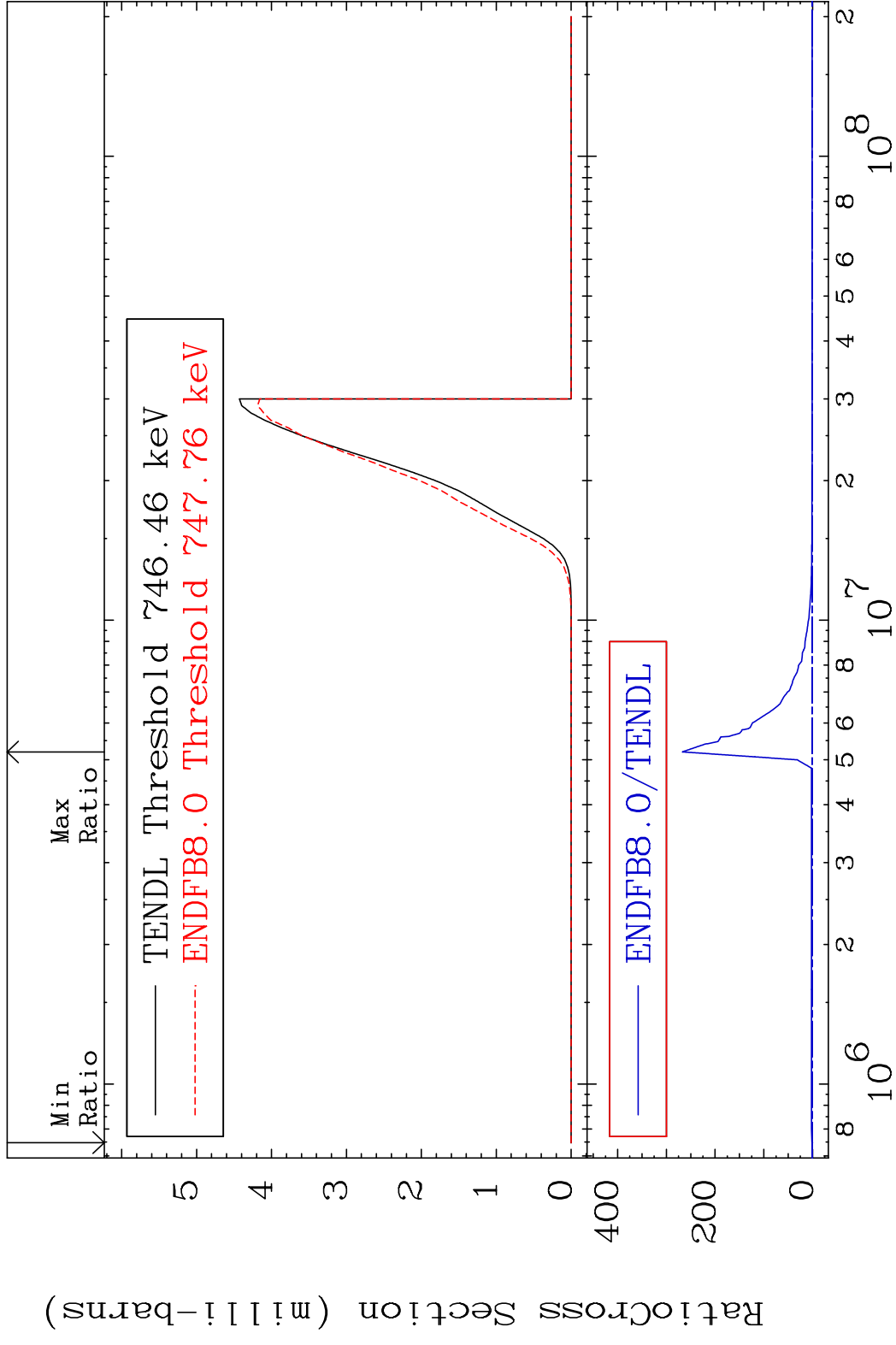


55

Incident Energy (eV)

42-Mo-93

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

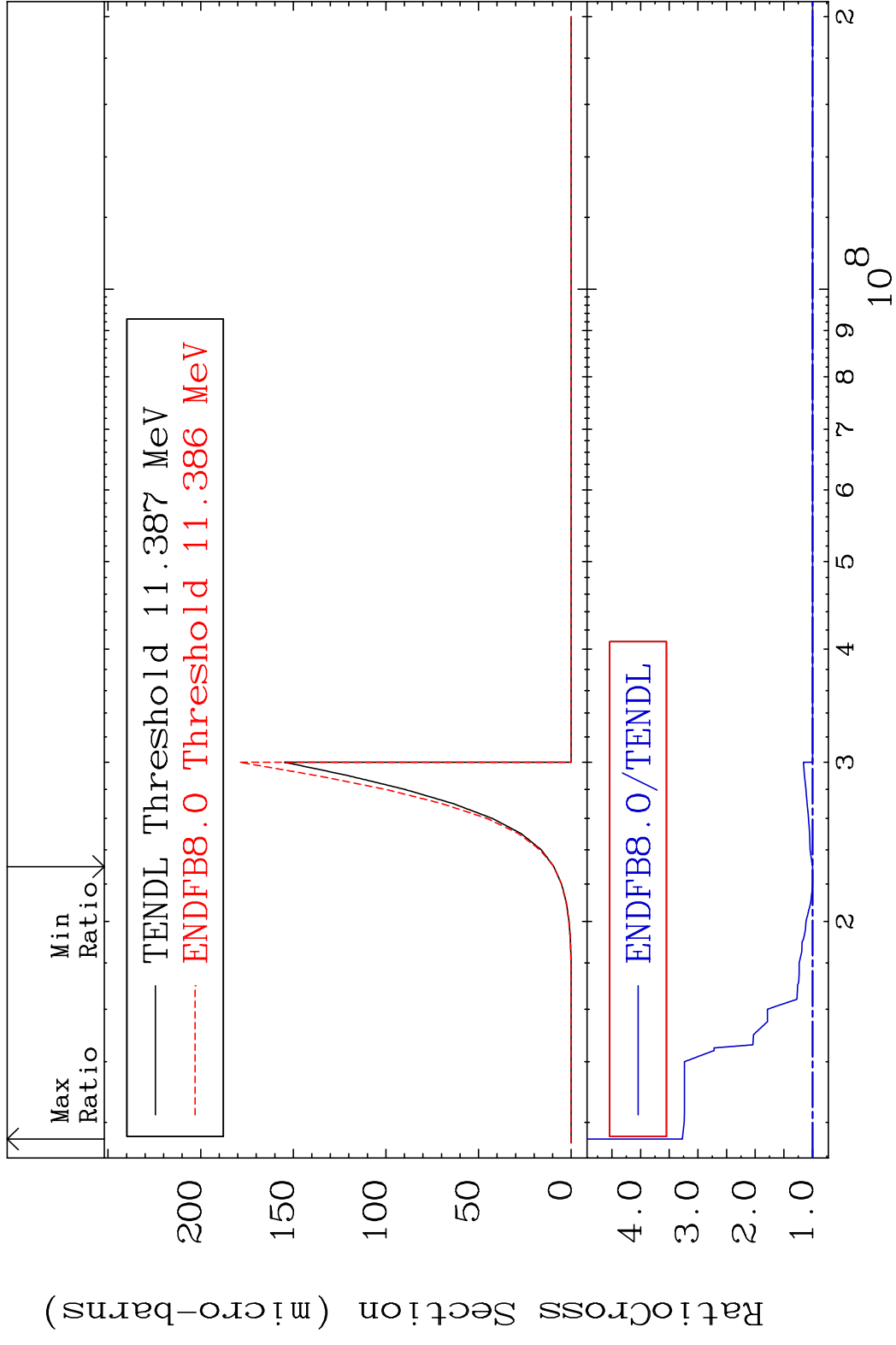


MAT 4228

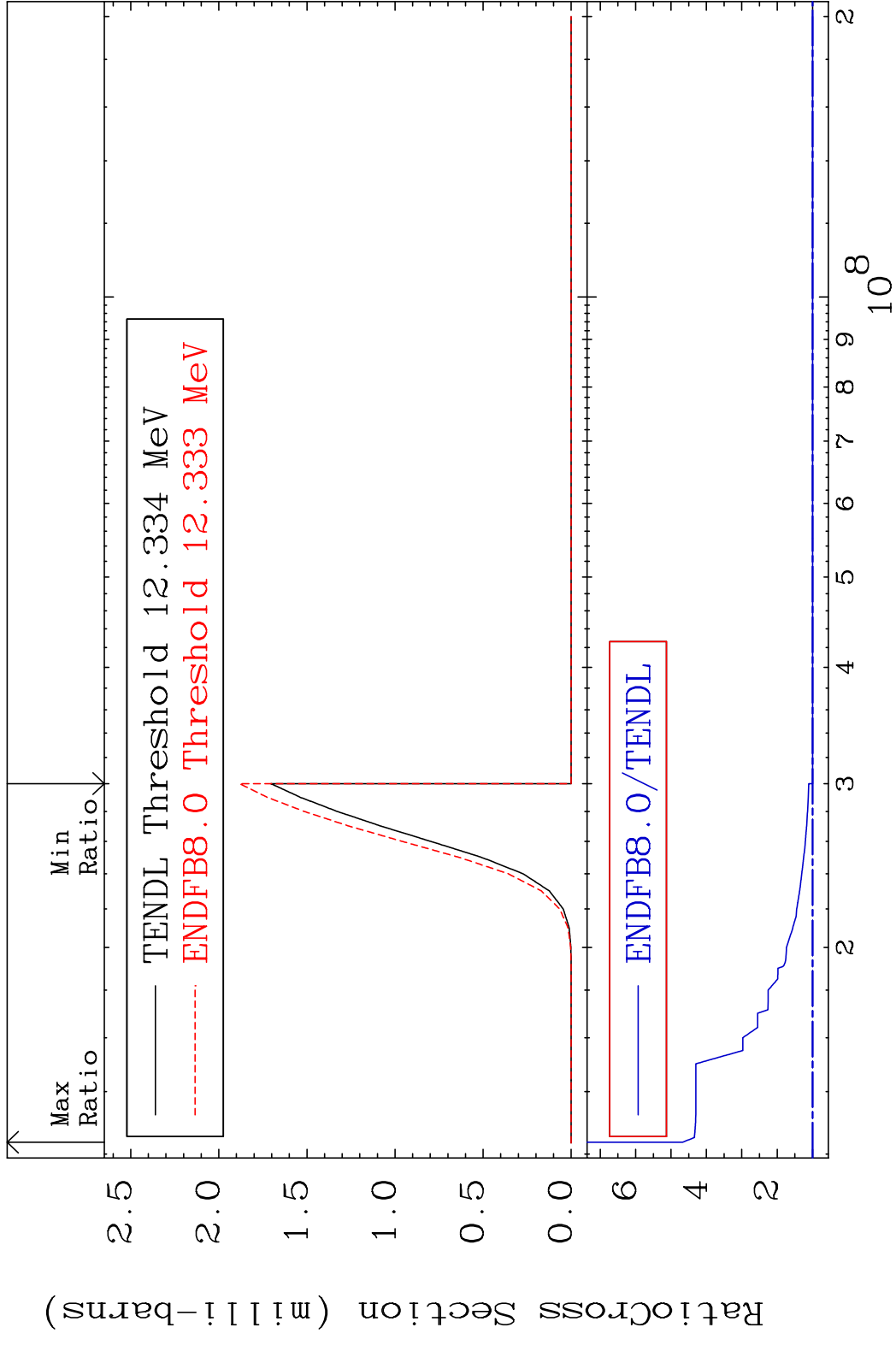
(n,p) d

42-Mo-93

Cross Section -0.059 To 227.2 %



MAT 4228 (n,p) t 42-Mo-93
 Cross Section 0.000 To 368.0 %

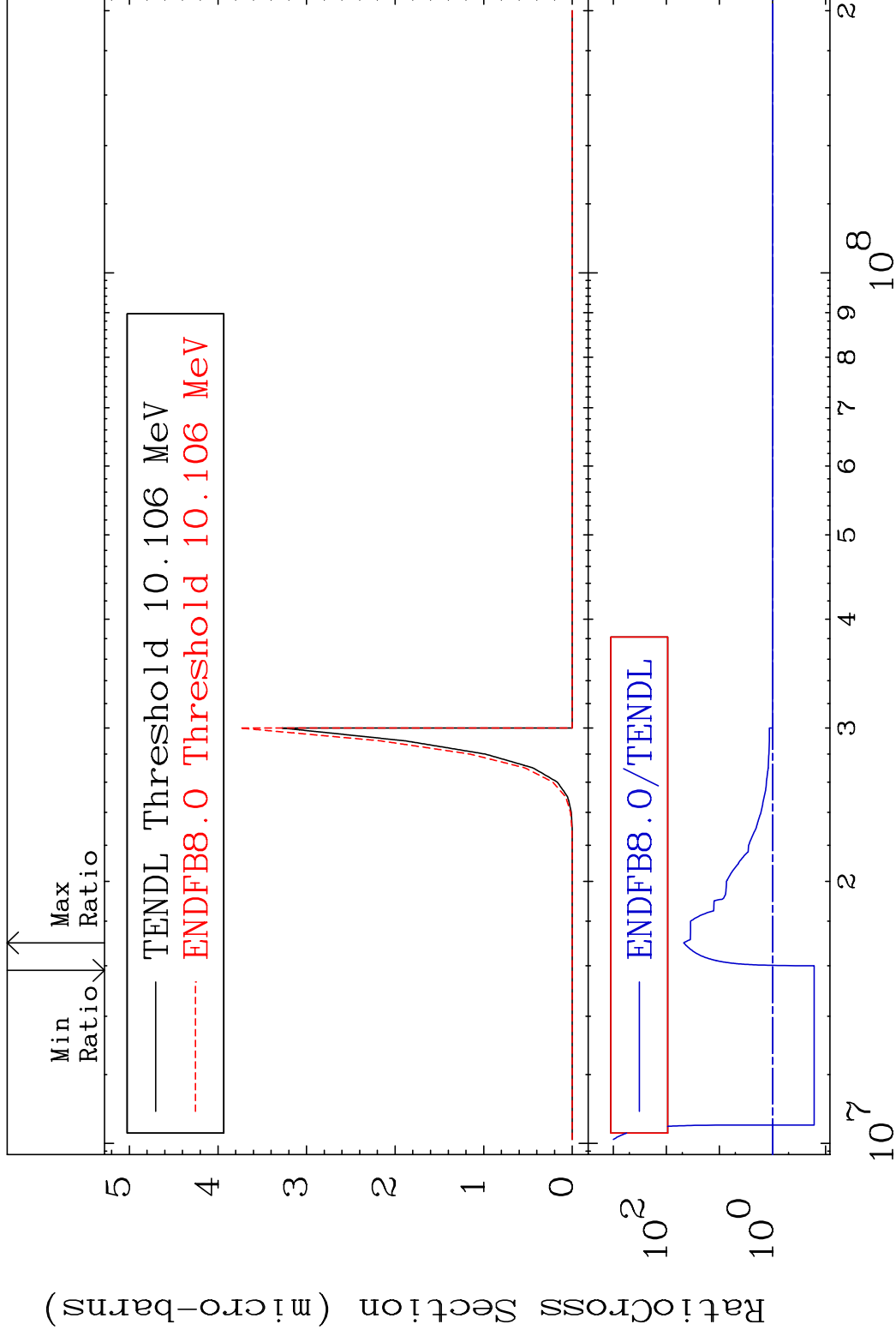


MAT 4228

(n,d) α

42-Mo-93

Cross Section -83.55 To 4626. %

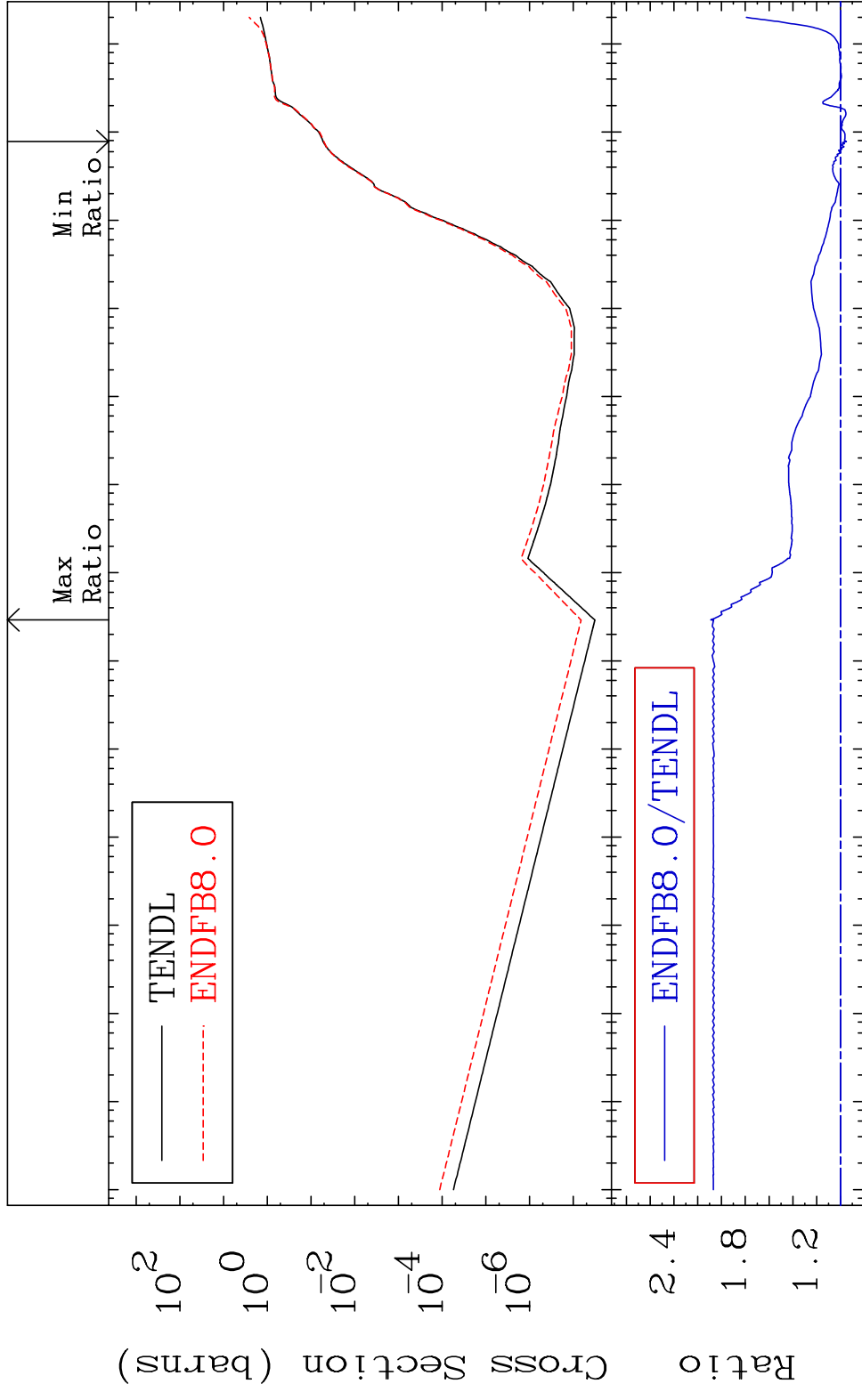


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Incident Energy (eV)

42-Mo-93

MAT 4228 Hydrogen Production 42-Mo-93
 Cross Section -4.929 To 109.1 %



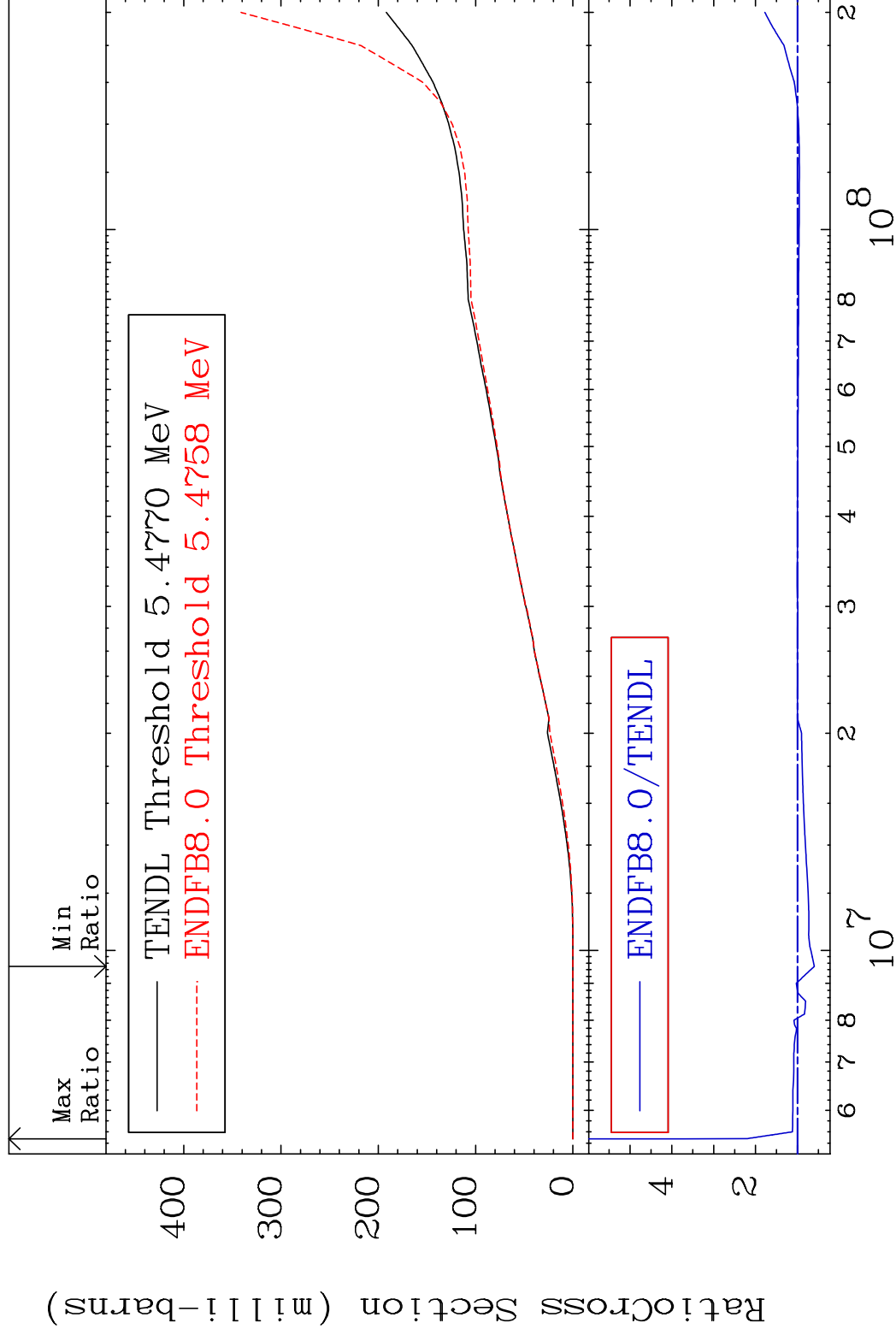
60 Incident Energy (eV) 42-Mo-93

MAT 4228

Deuterium Production

42-Mo-93

Cross Section -40.31 To 270.9 %



61

Incident Energy (eV)

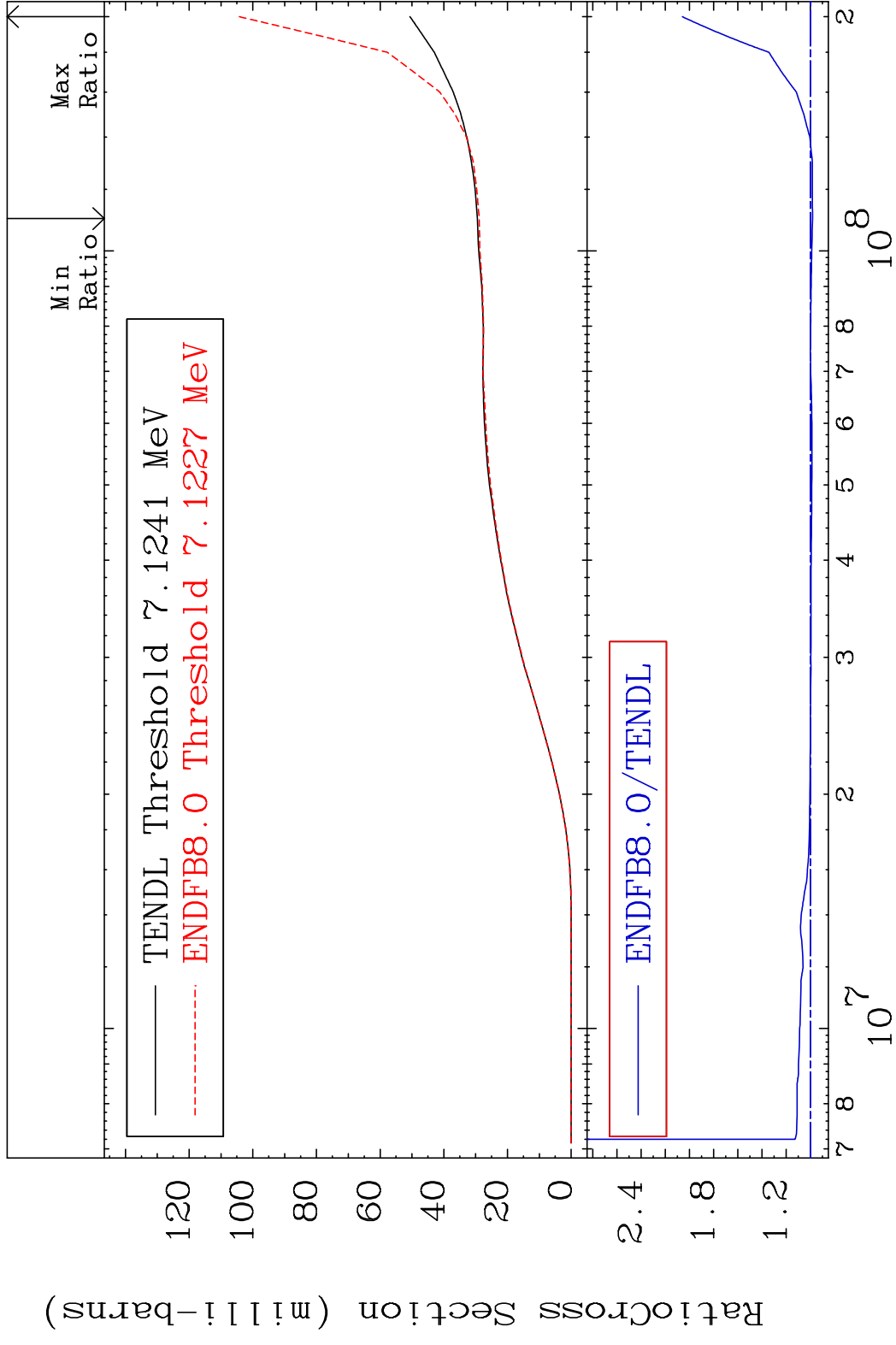
42-Mo-93

MAT 4228

Tritium Production

42-Mo-93

Cross Section -1.921 To 105.8 %



62

Incident Energy (eV)

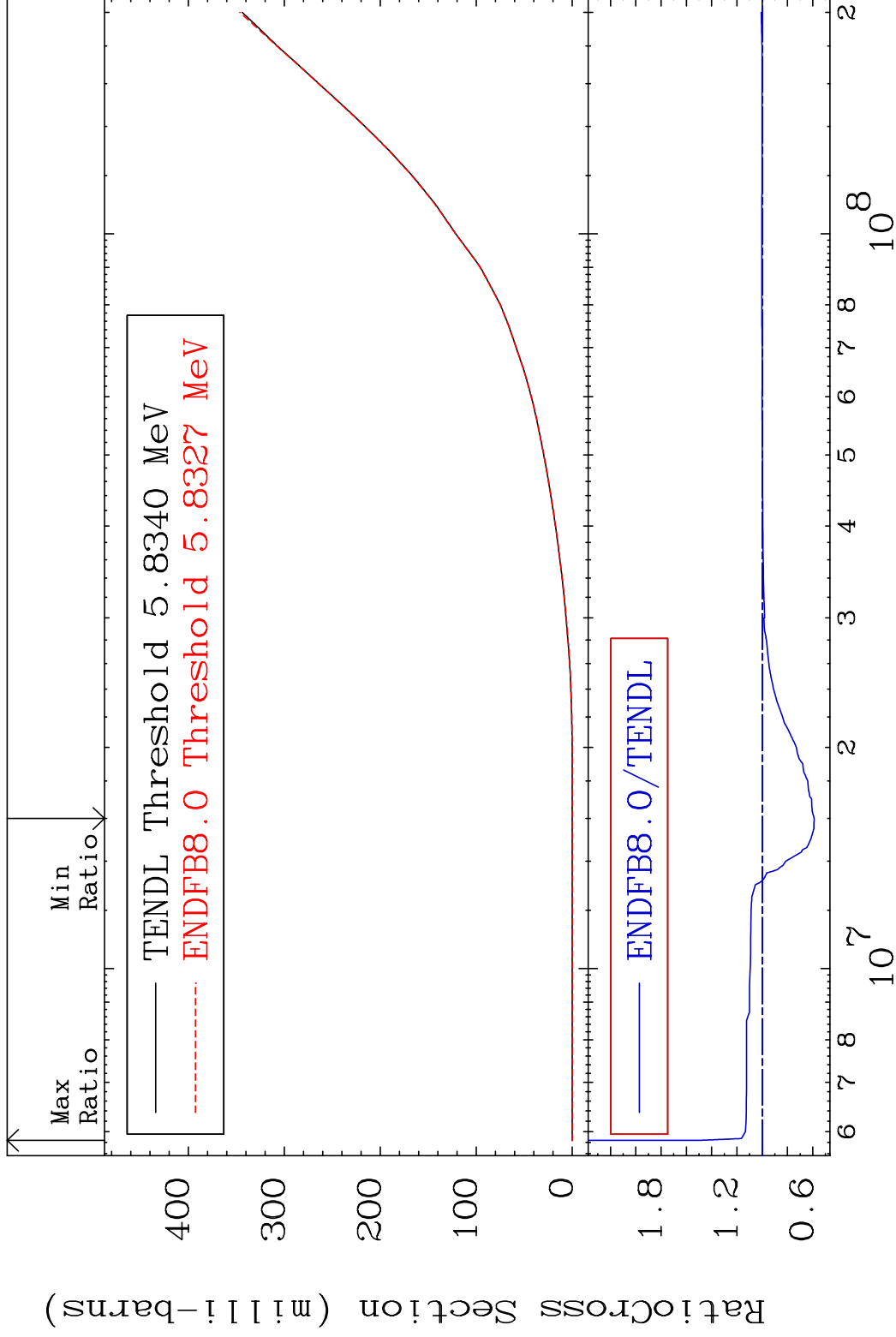
42-Mo-93

MAT 4228

He-3 Production

42-Mo-93

Cross Section -41.06 To 62.15 %



63

Incident Energy (eV)

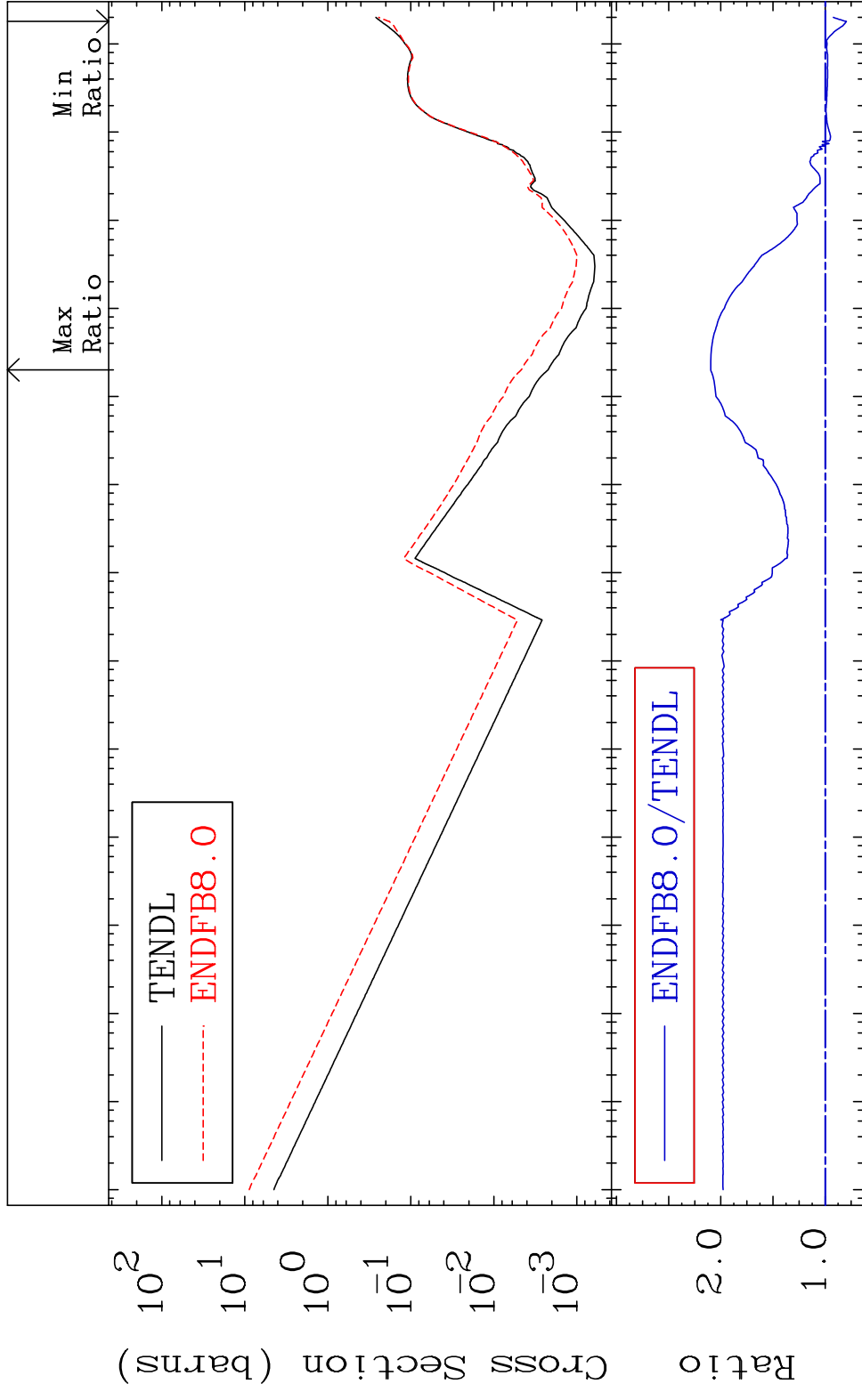
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section -20.31 To 109.7 %

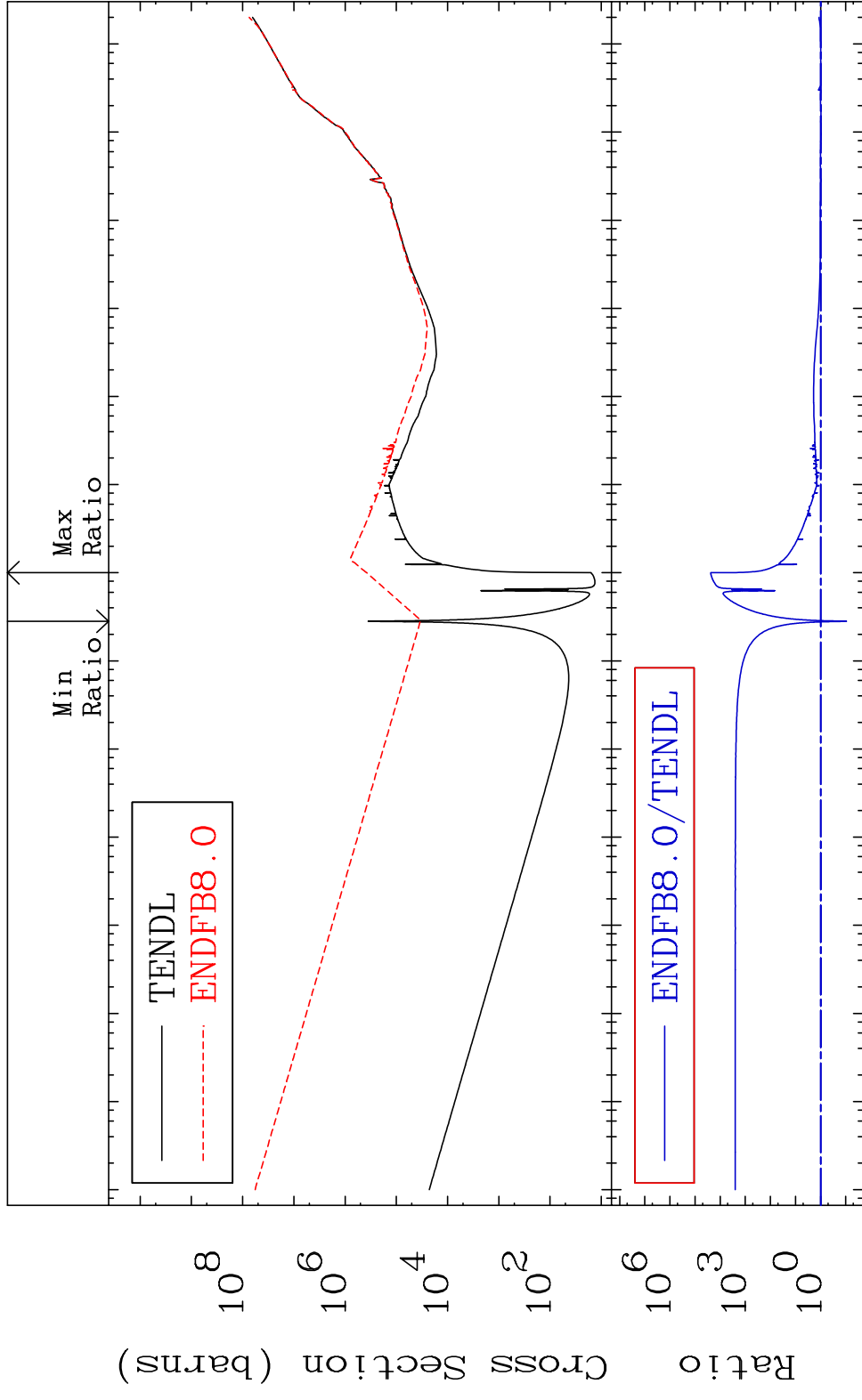


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Incident Energy (eV)

42-Mo-93

MAT 4228 Kerma total (eV-barns) 42-Mo-93
 Cross Section -90.51 To 9999. %

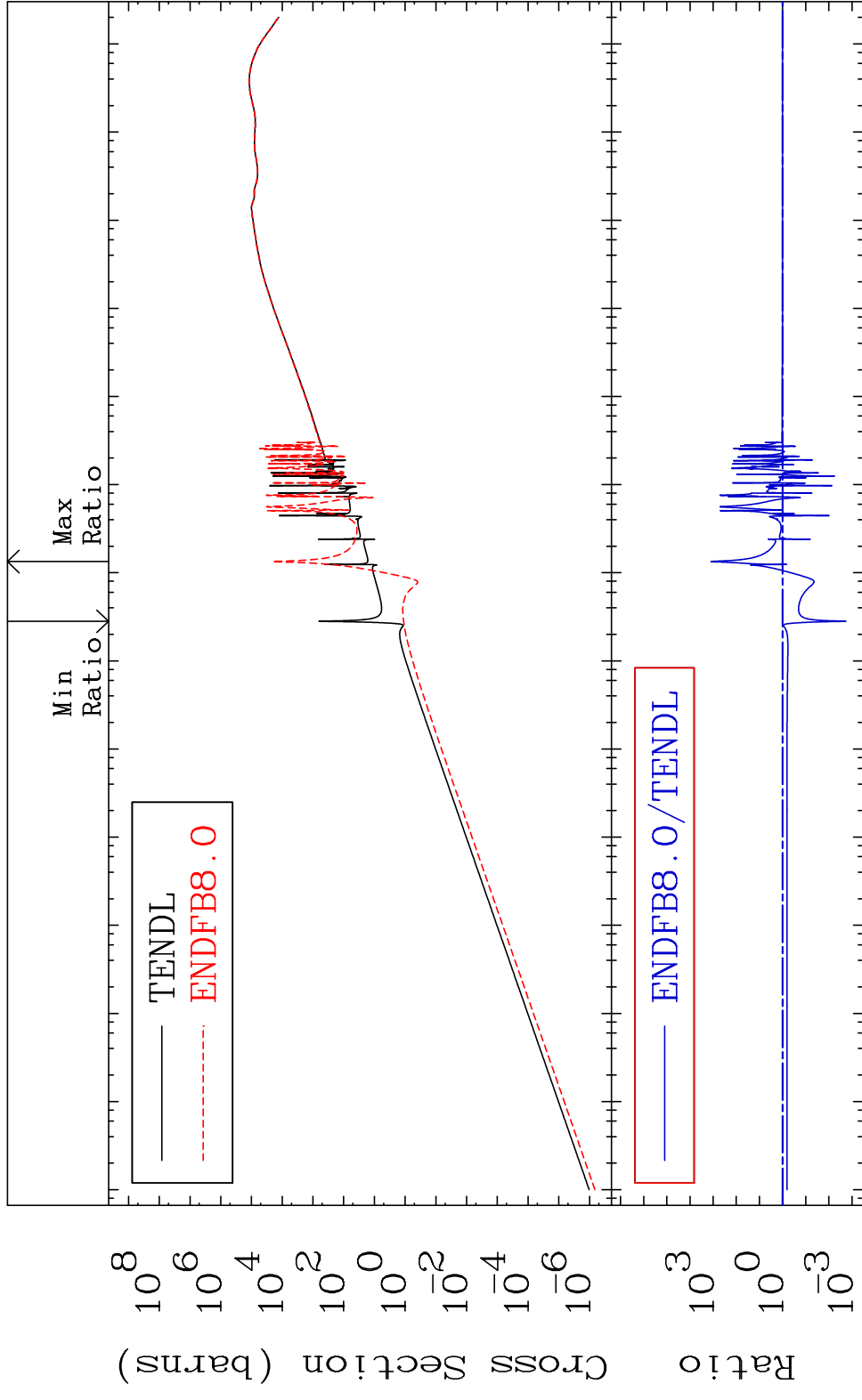


MAT 4228

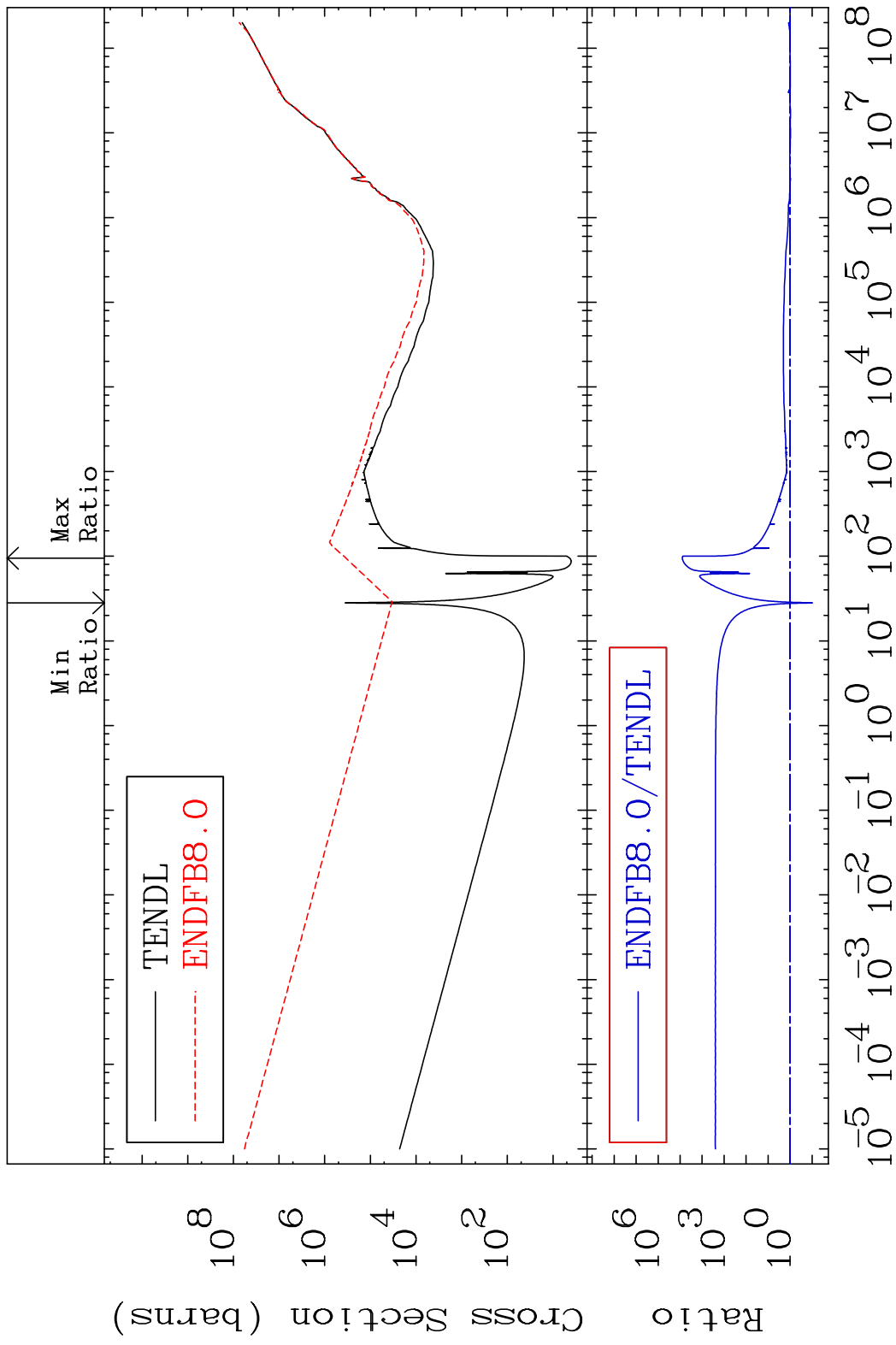
Kerma elastic
Cross Section

-99.82 To 9999. %

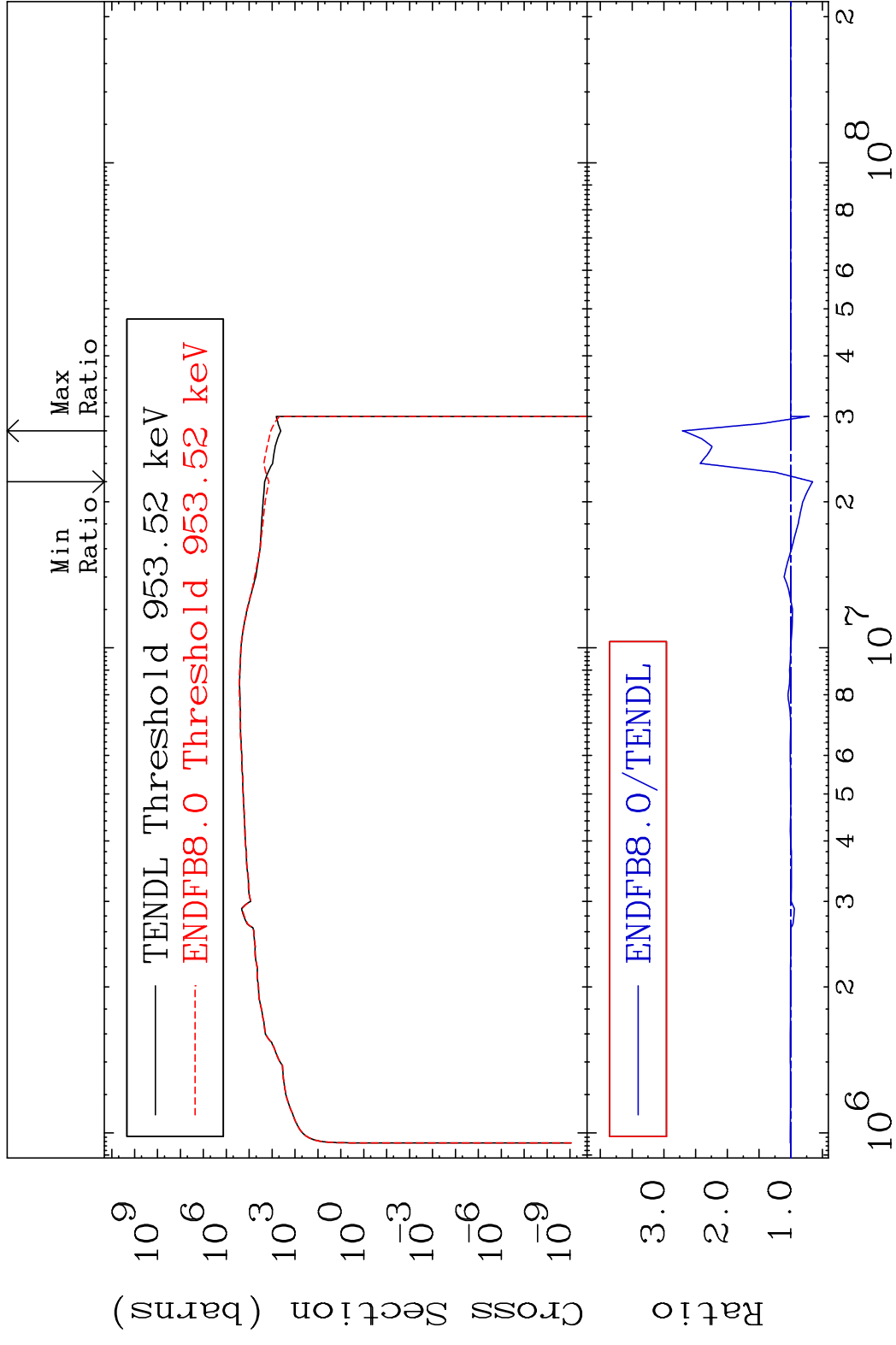
42-Mo-93



MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93
 Cross Section -90.49 To 9999. %

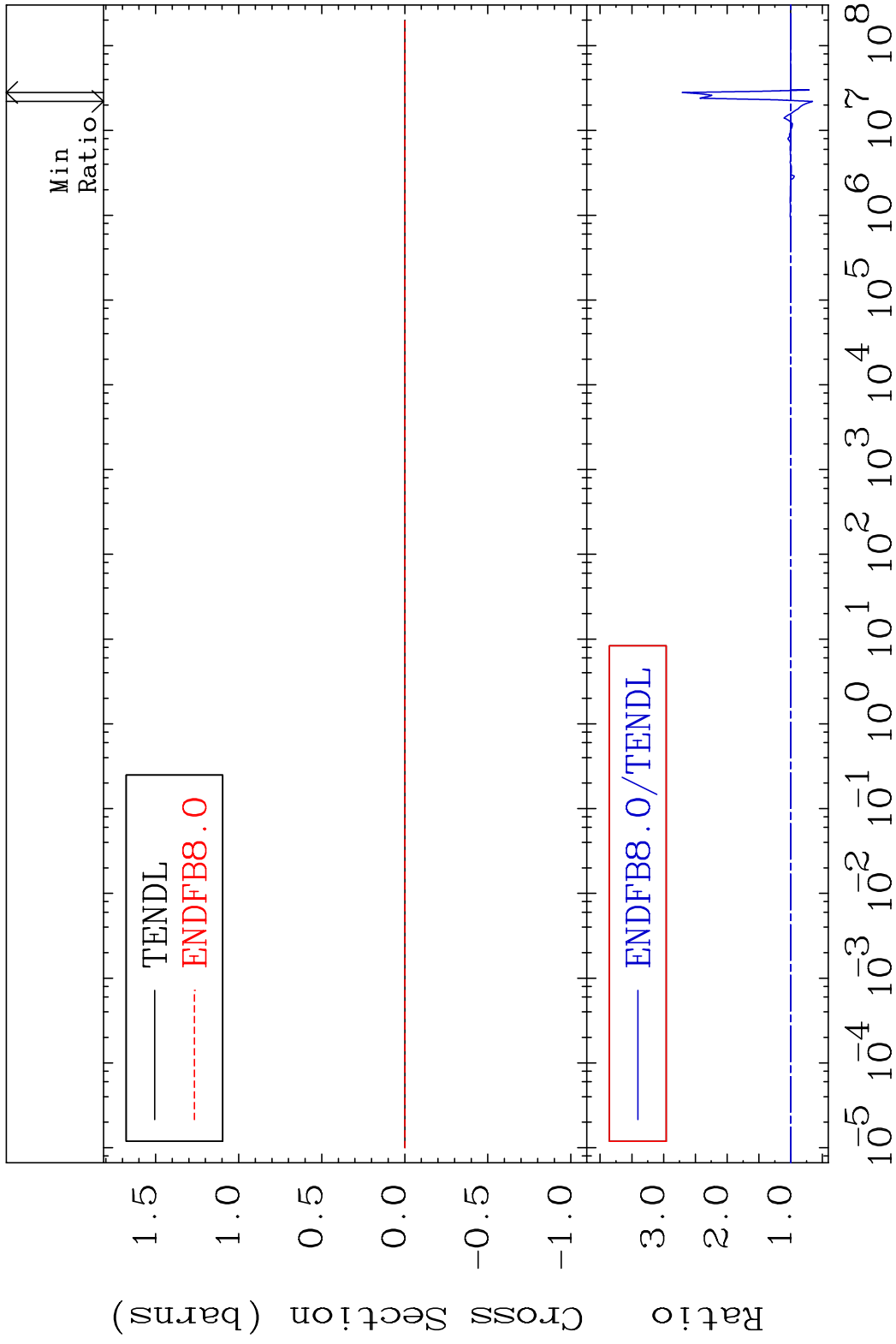


MAT 4228 Kerma inelastic (mt51-91) 42-Mo-93
 Cross Section -34.33 To 170.9 %



68 Incident Energy (eV) 42-Mo-93

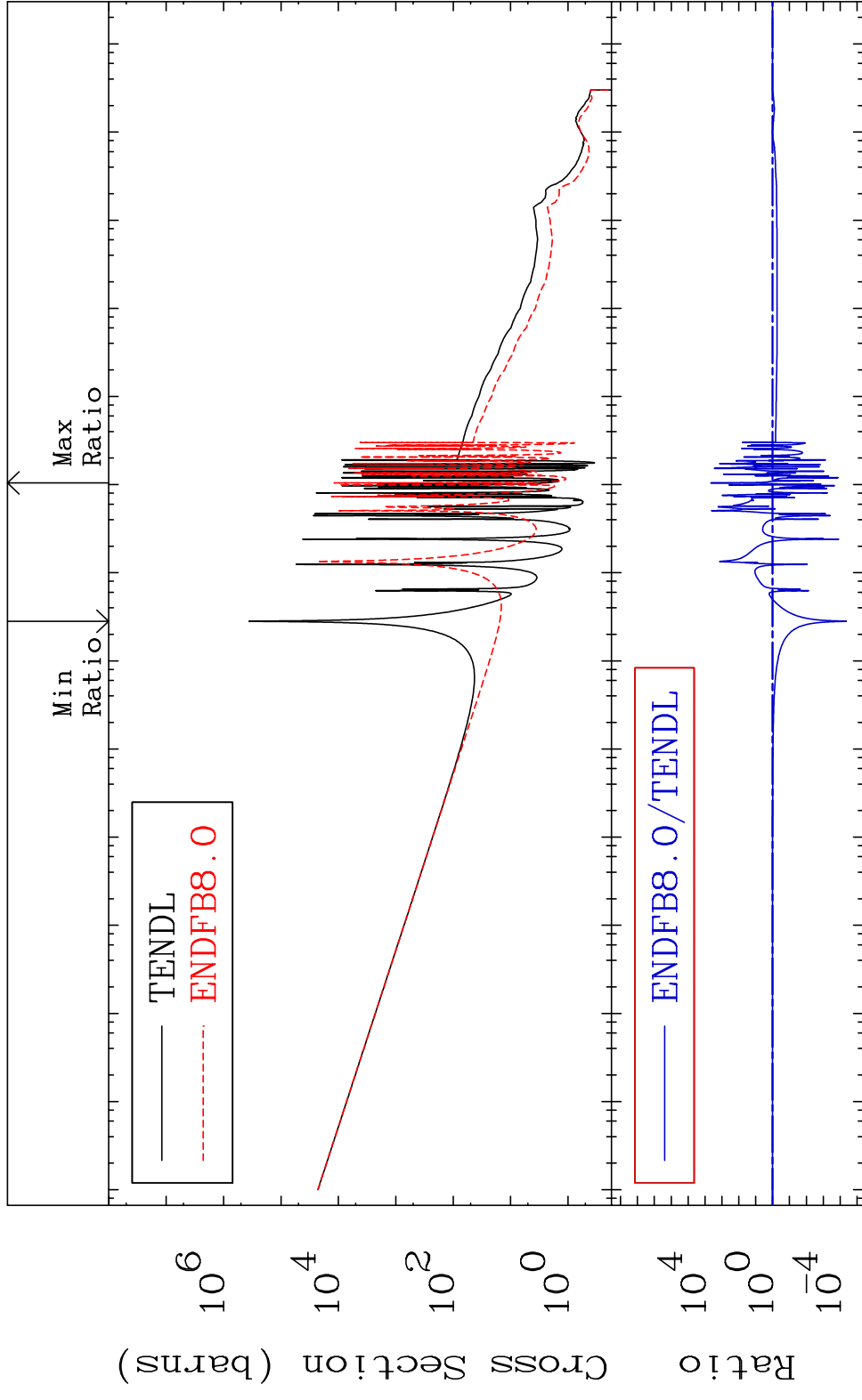
MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93
 Cross Section -34.33 To 170.9 %



MAT 4228

Kerma capture (mt102) 42-Mo-93

Cross Section -100.0 To 9999. %

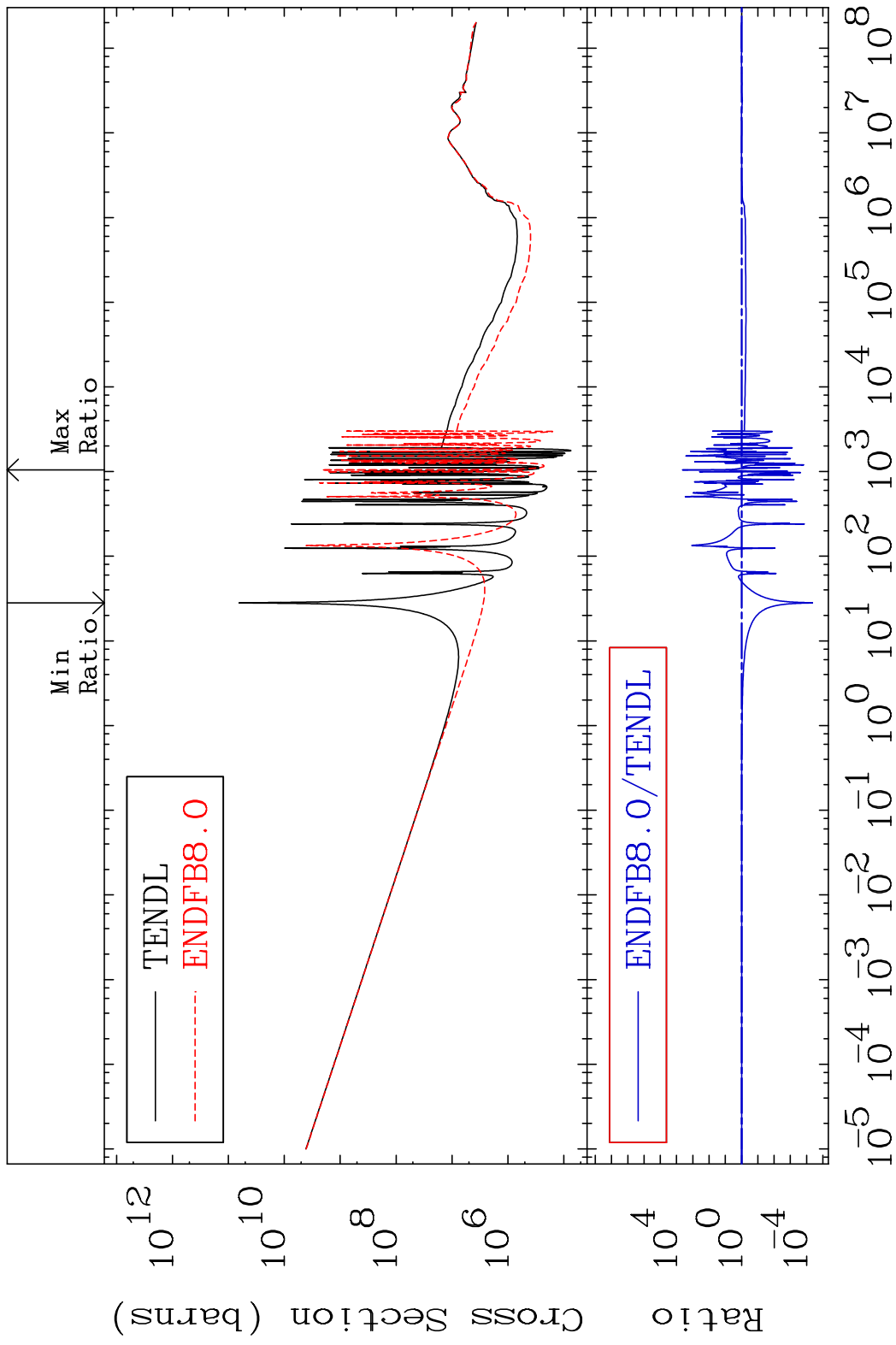


70

Incident Energy (eV)

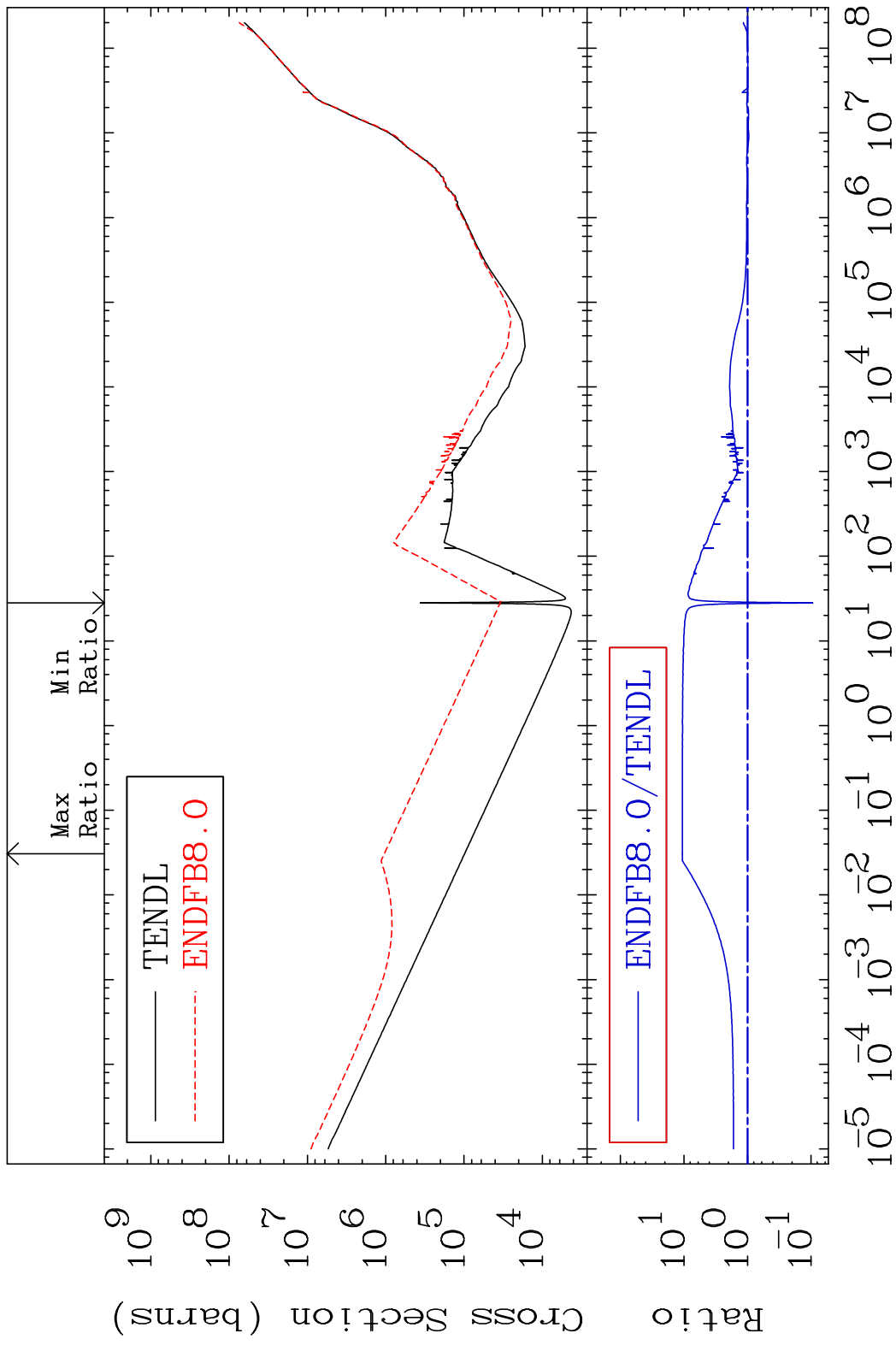
42-Mo-93

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

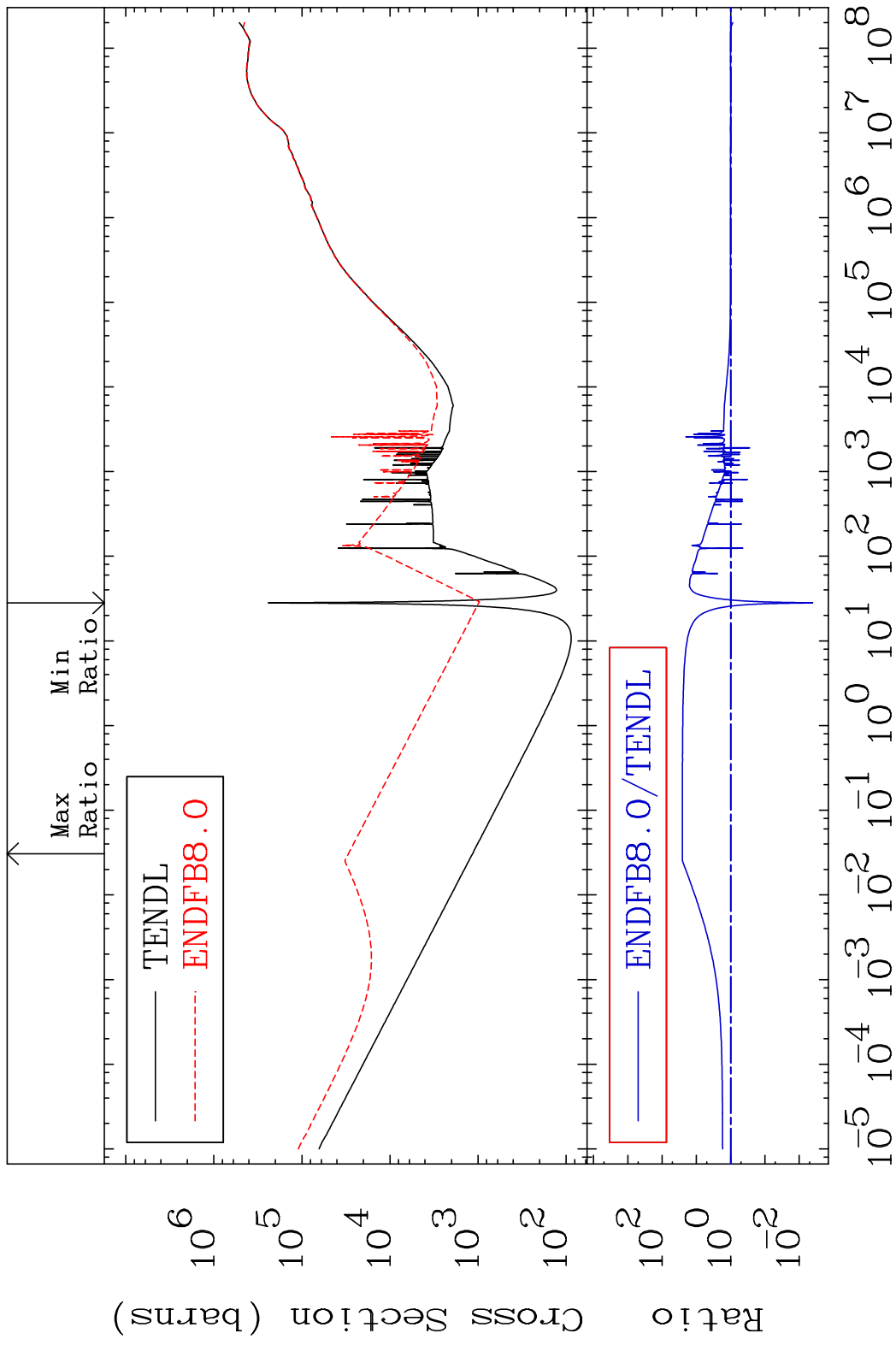


71 Incident Energy (eV) 42-Mo-93

MAT 4228 Total kinematic kerma (high limit) 42-Mo-93
 Cross Section -90.51 To 960.6 %



MAT 4228 Dpa total (eV-barns) 42-Mo-93
 Cross Section -99.59 To 2466. %

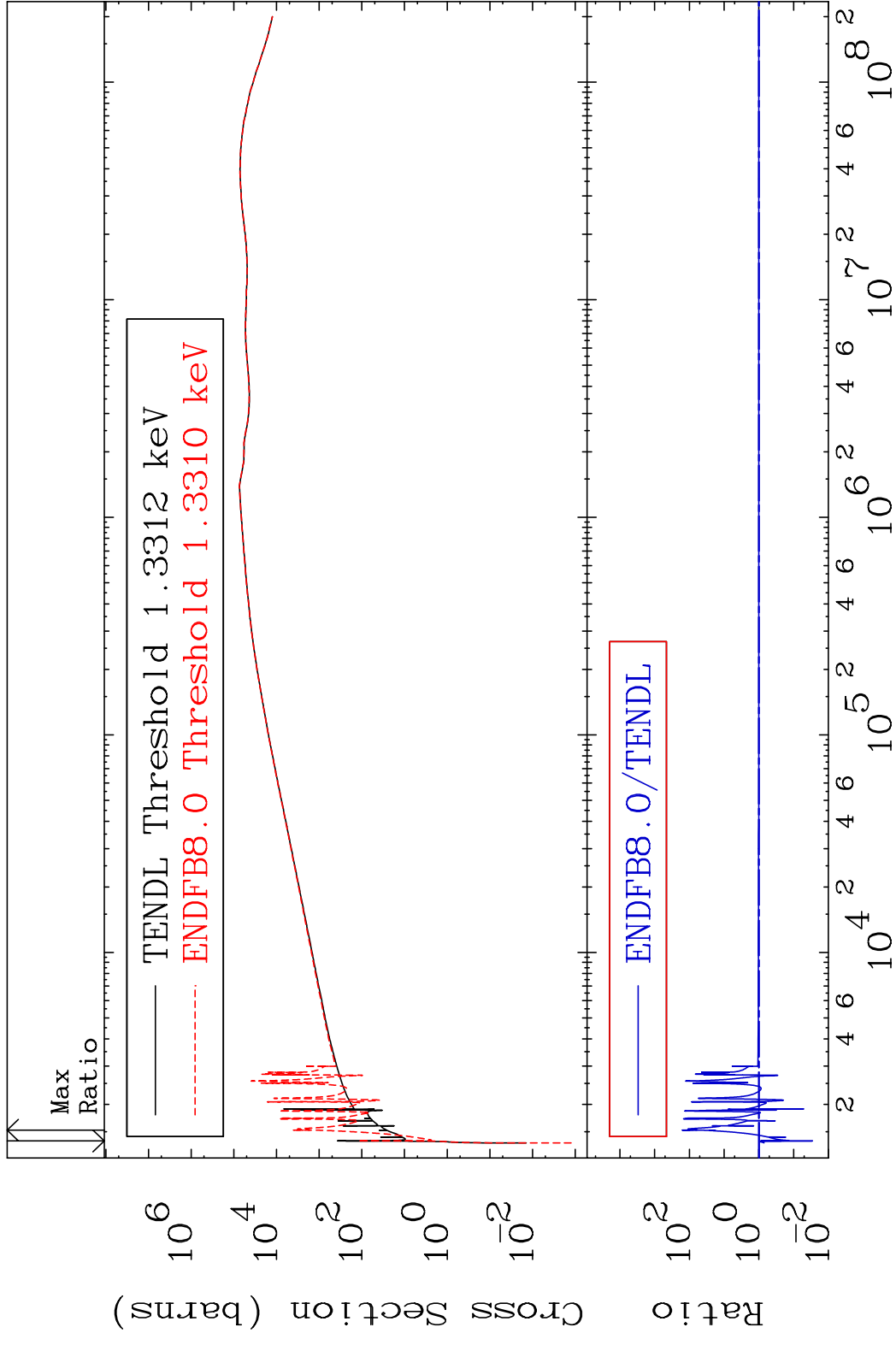


MAT 4228

Dpa elastic (mt2)

42-Mo-93

Cross Section -97.14 To 9999. %

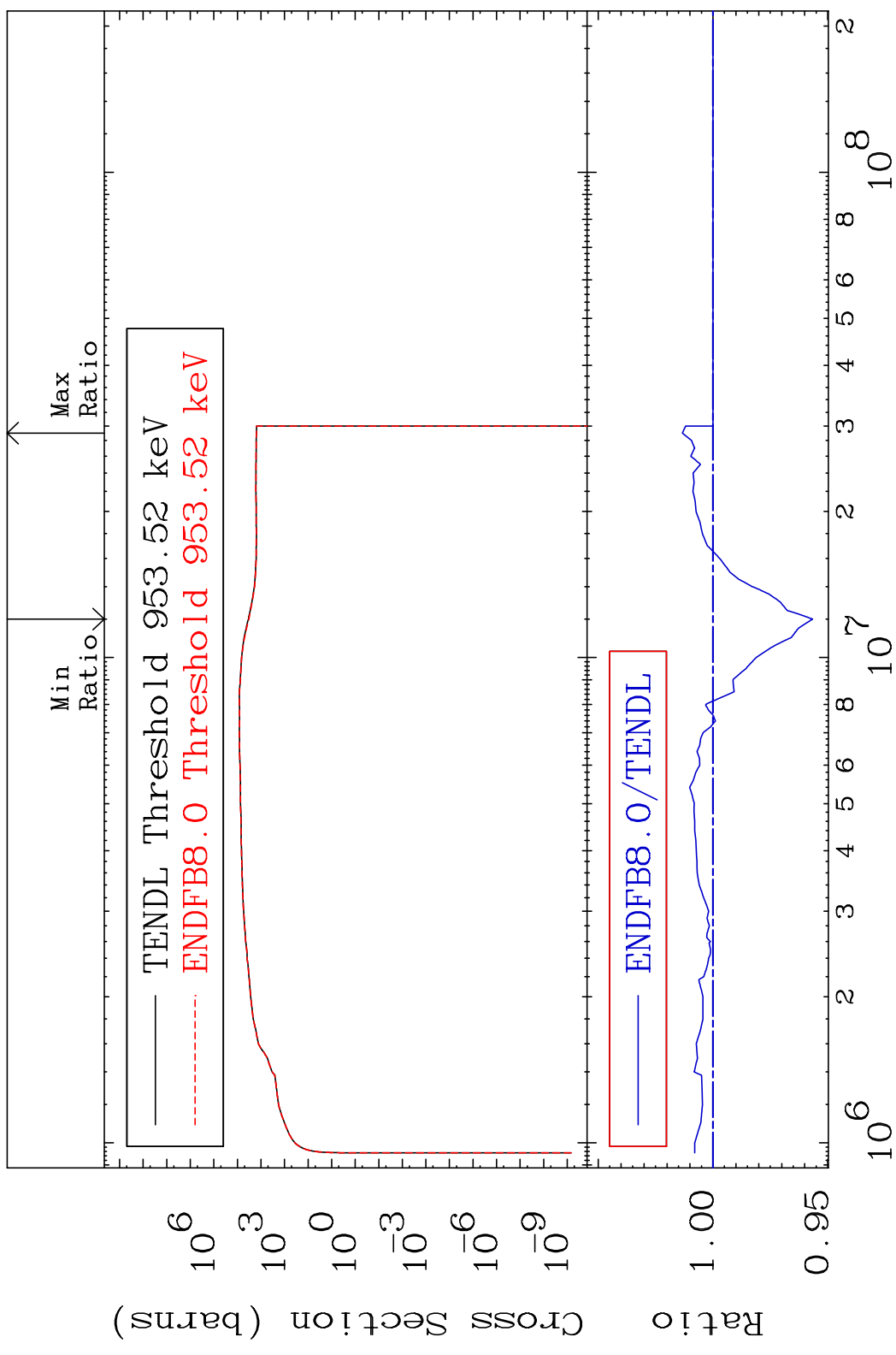


MAT 4228

Dpa inelastic (mt51-91)

42-Mo-93

Cross Section -4.341 To 1.332 %

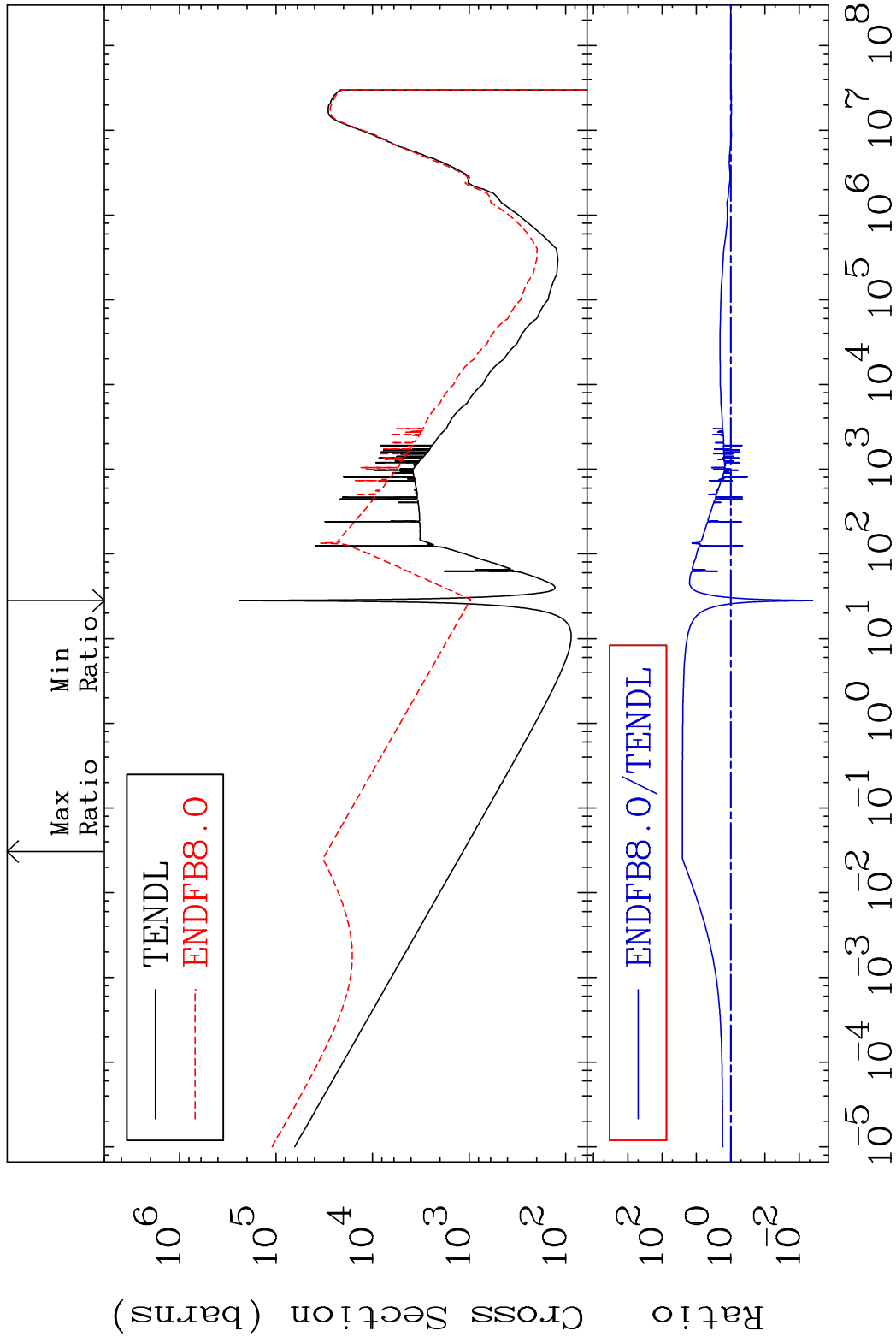


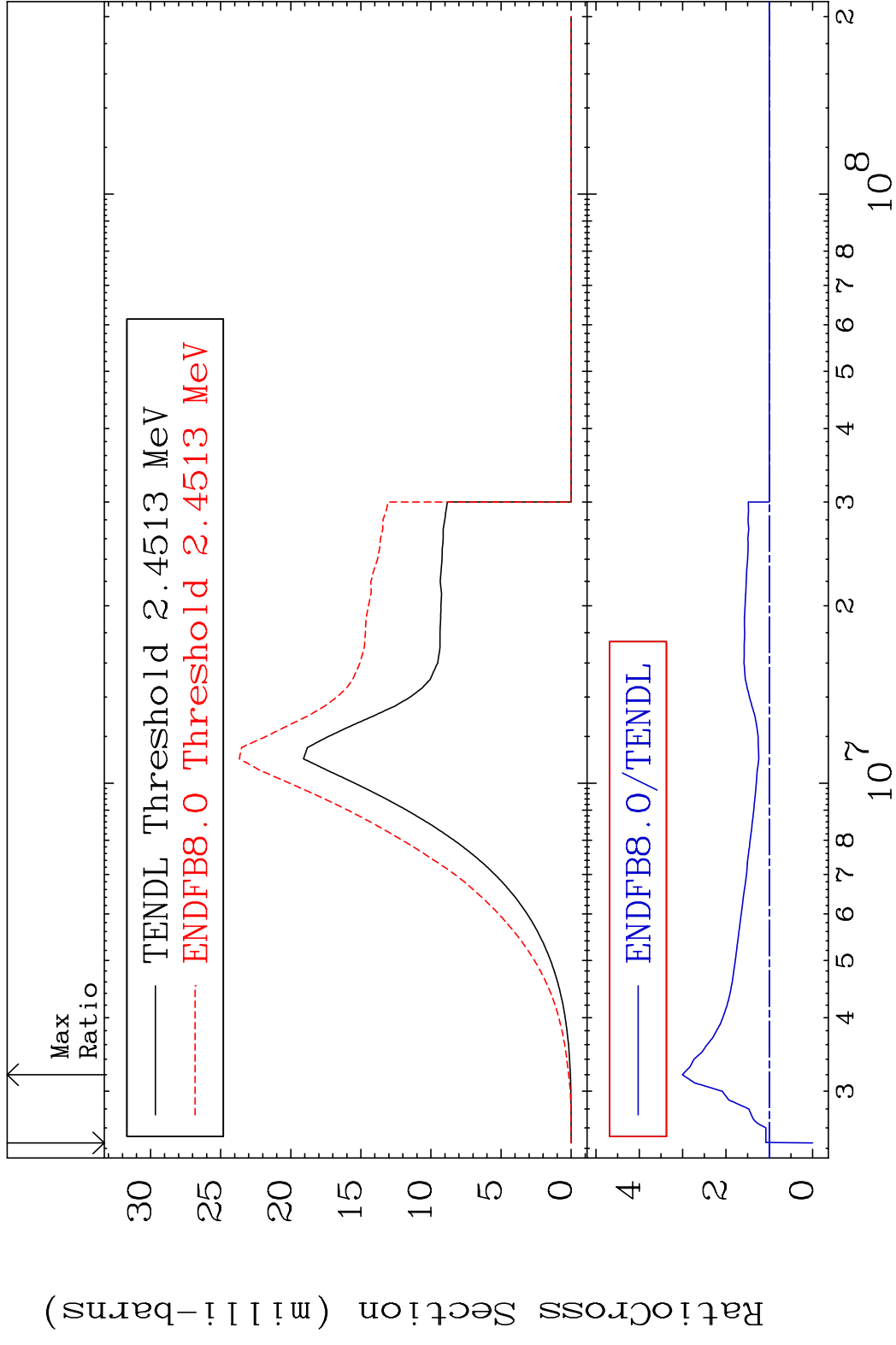
75

Incident Energy (eV)

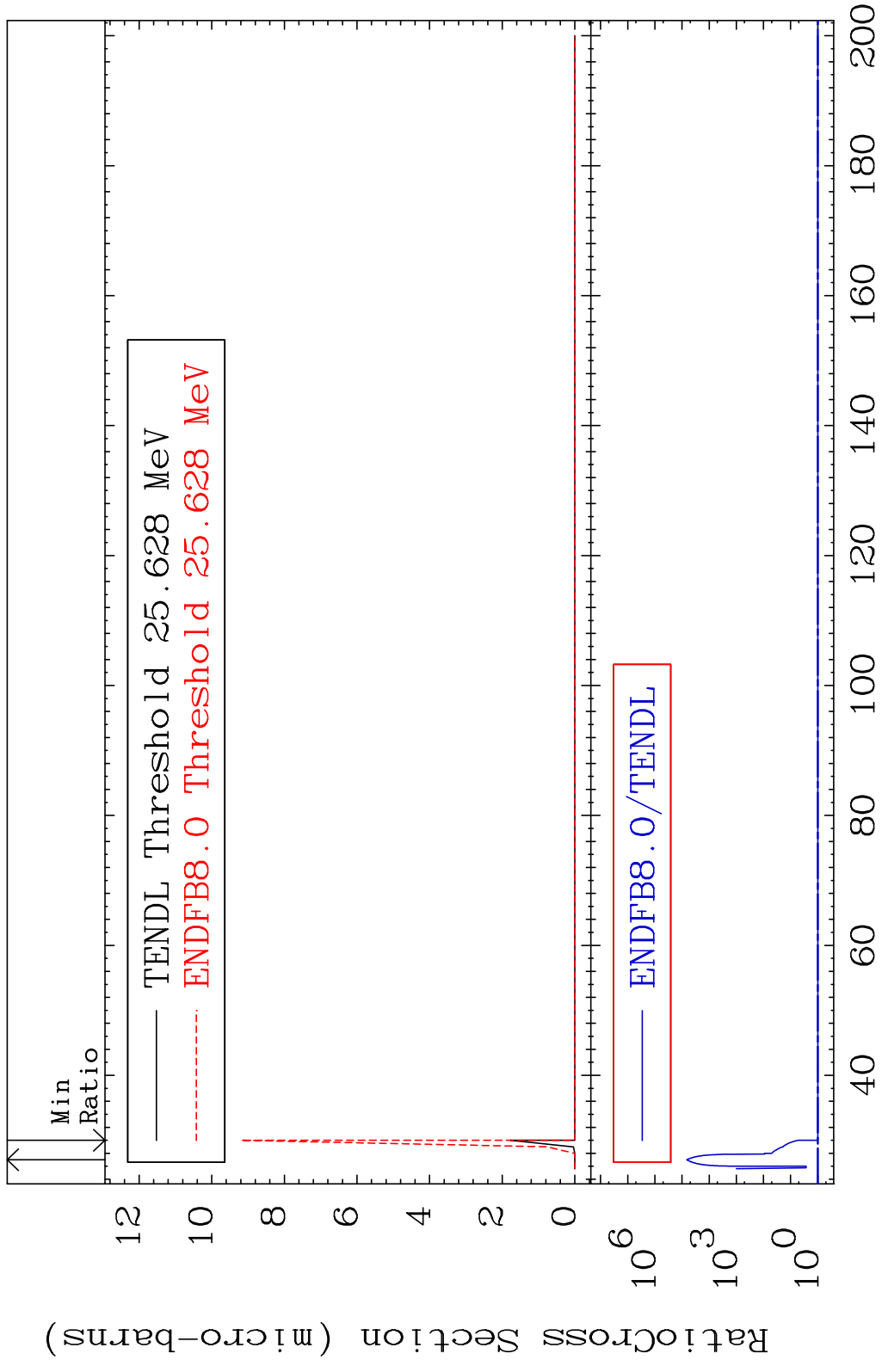
42-Mo-93

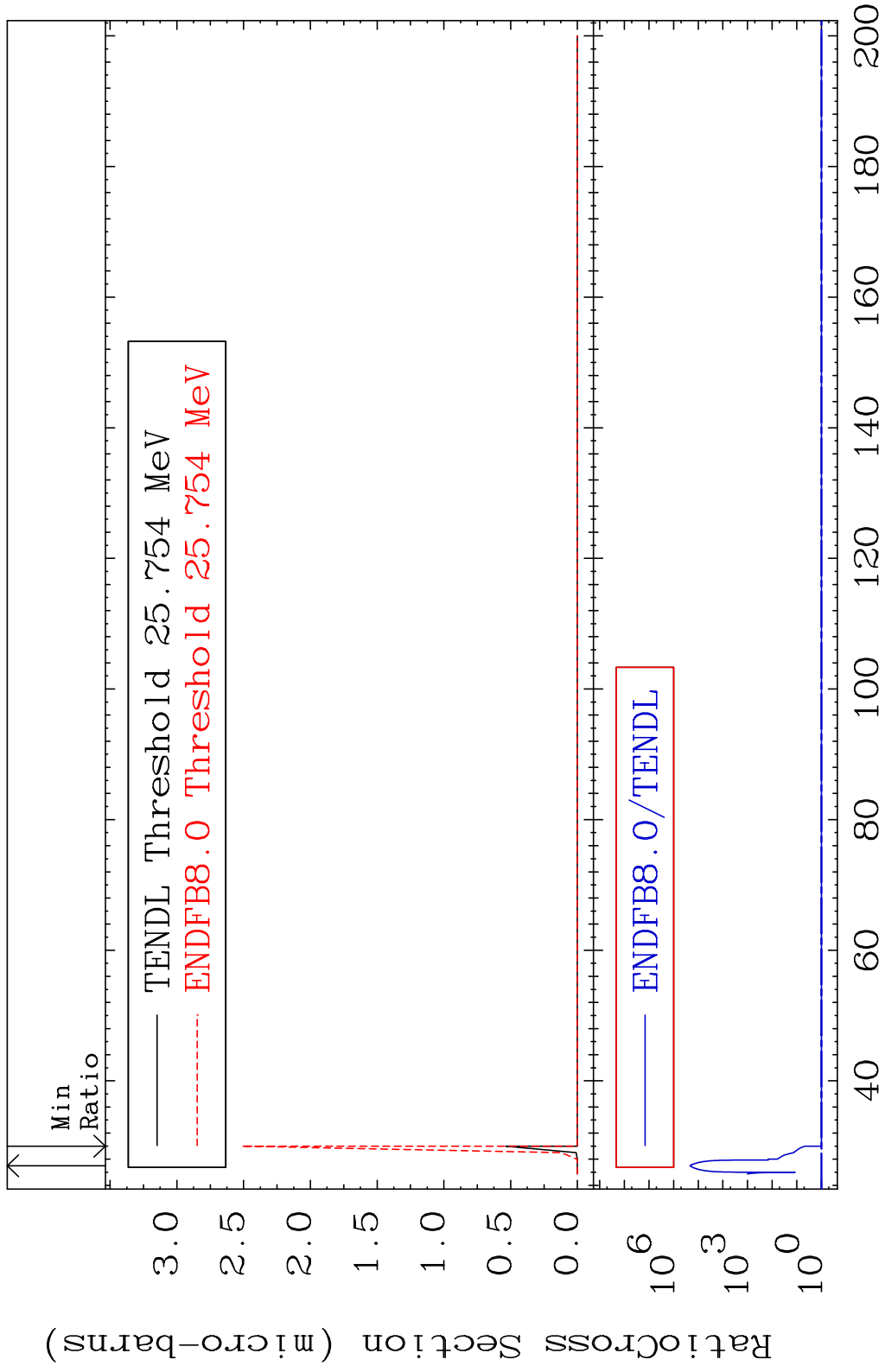
MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93
 Cross Section -99.59 To 2466. %



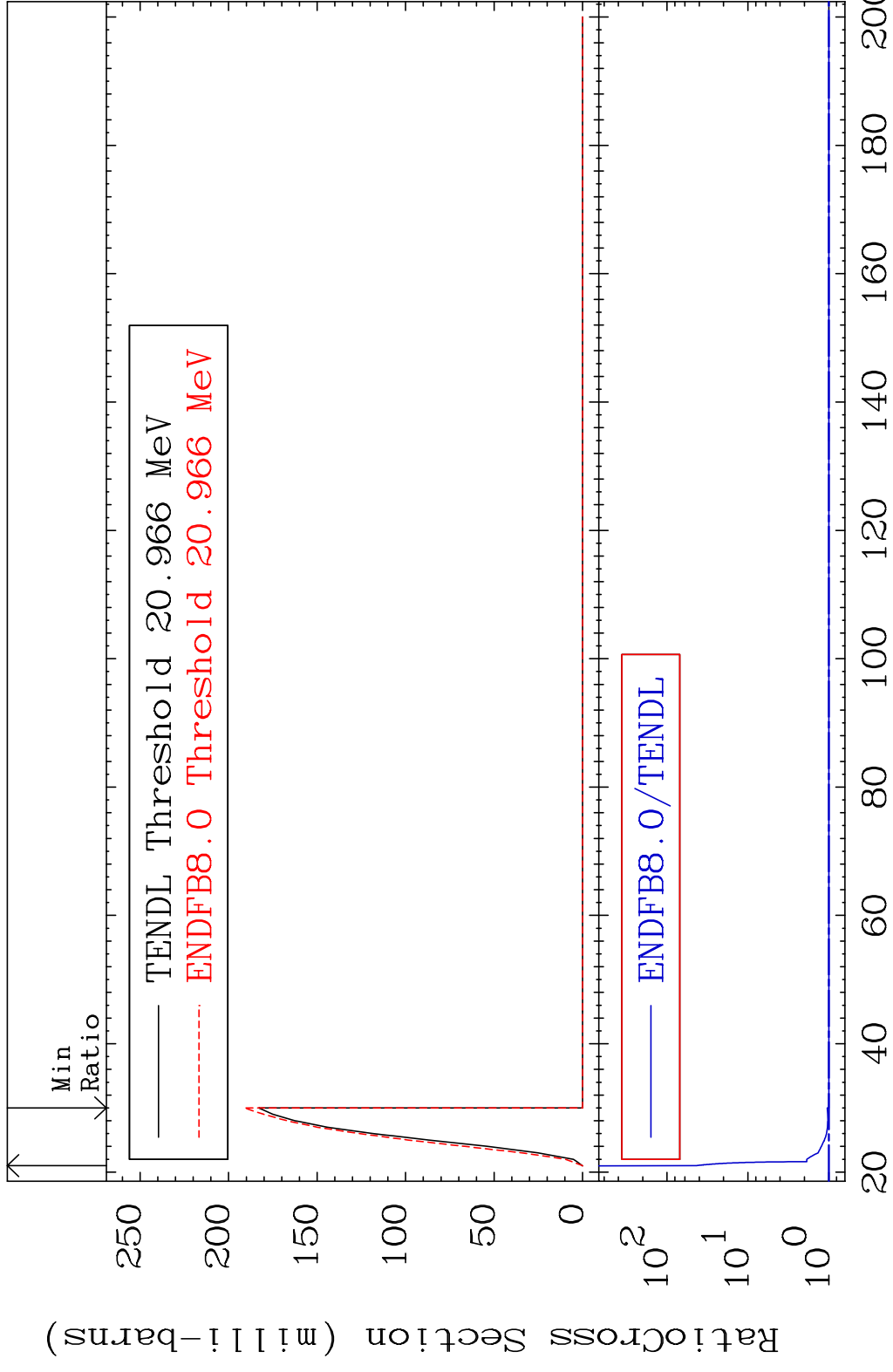


MAT 4228 (n,2n) d:41-Nb-90g 42-Mo-93
 Radionuclide Production Cross Section 9999. %



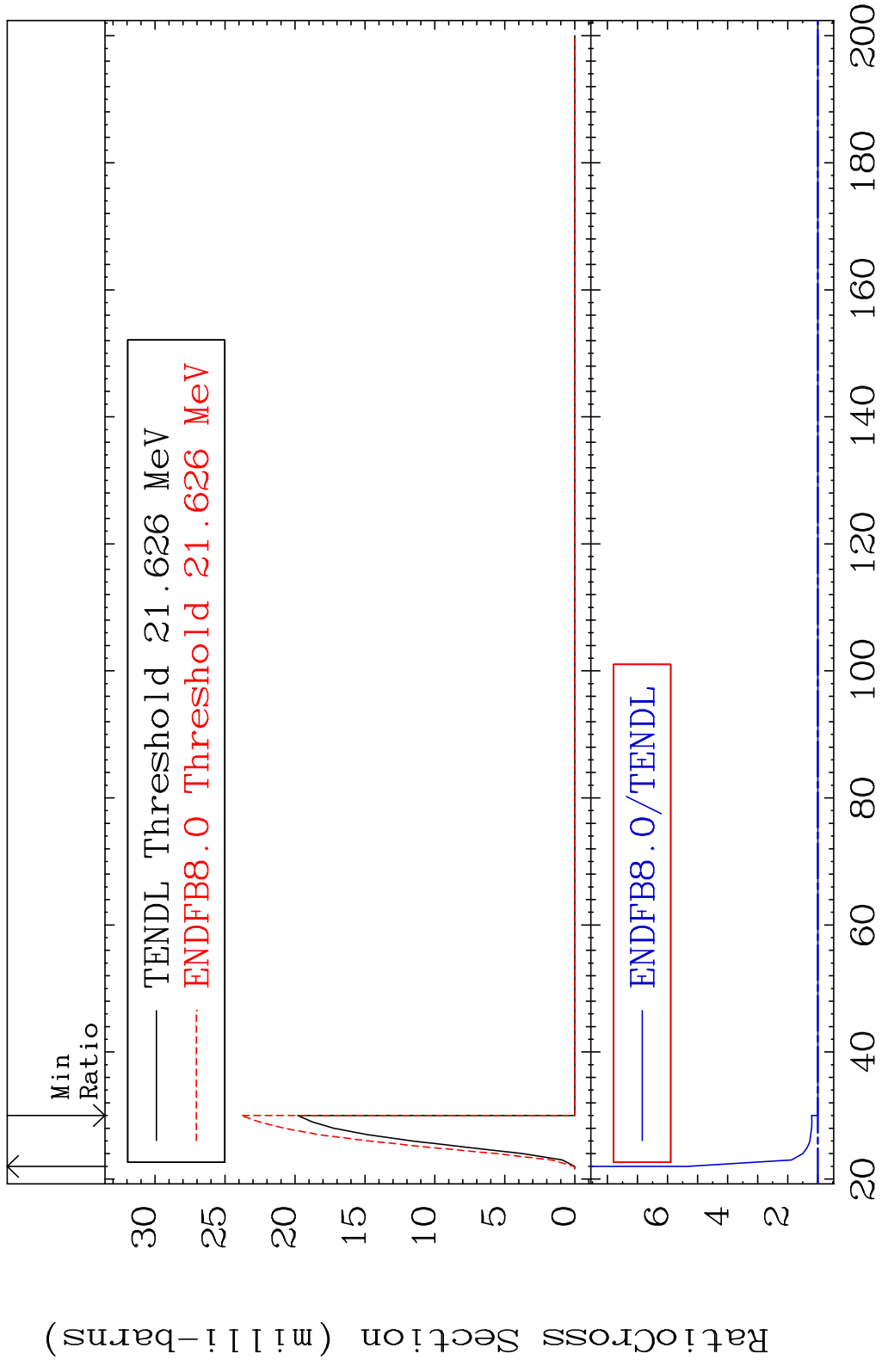


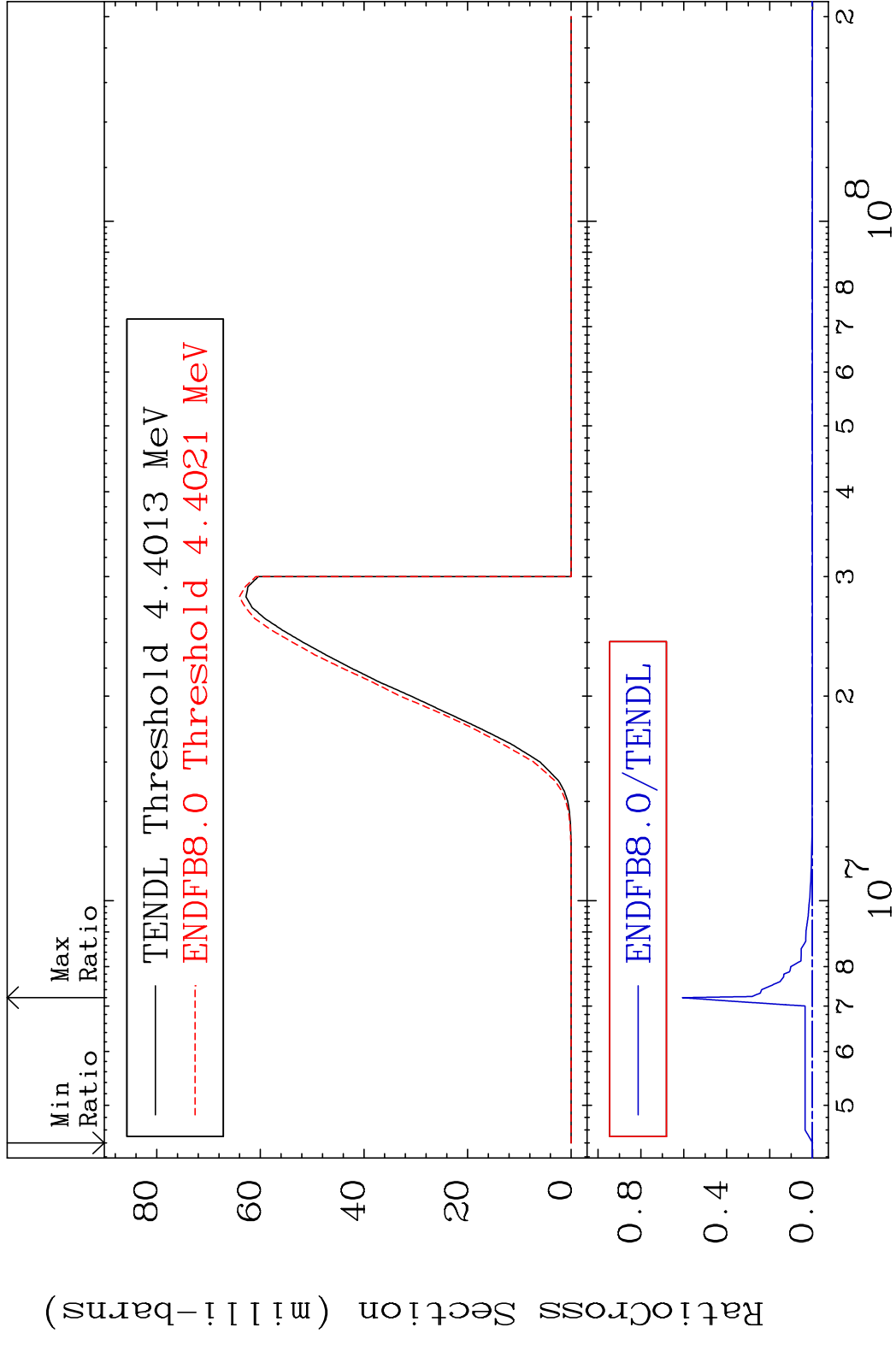
MAT 4228 (n,3n):42-Mo-91g 42-Mo-93
 Radionuclide Production Cross Section 4283. %

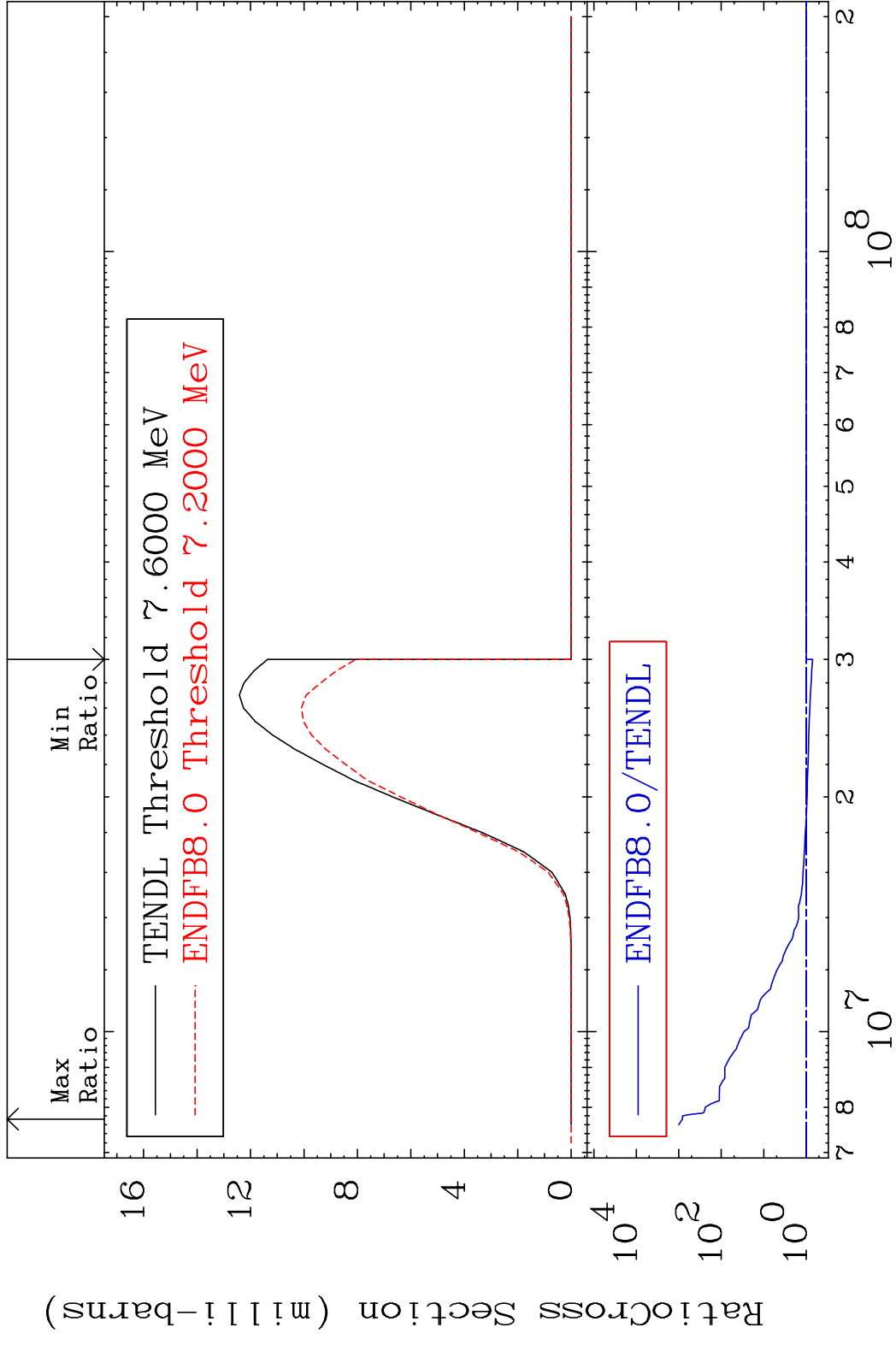


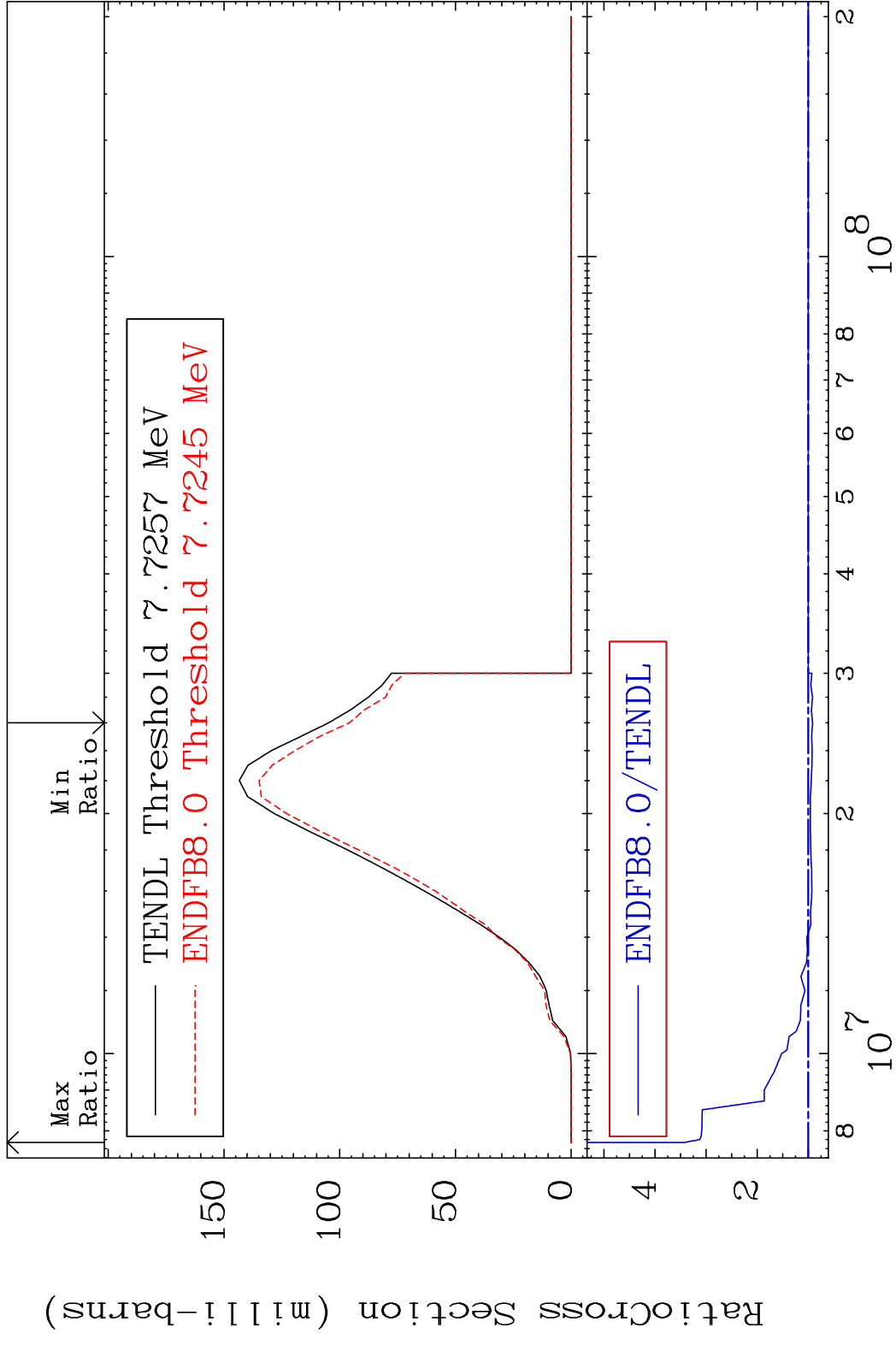
80 Incident Energy (MeV) 42-Mo-93

MAT 4228 (n,3n):42-Mo-91m1 42-Mo-93
 Radionuclide Production Cross Section 436.1 %

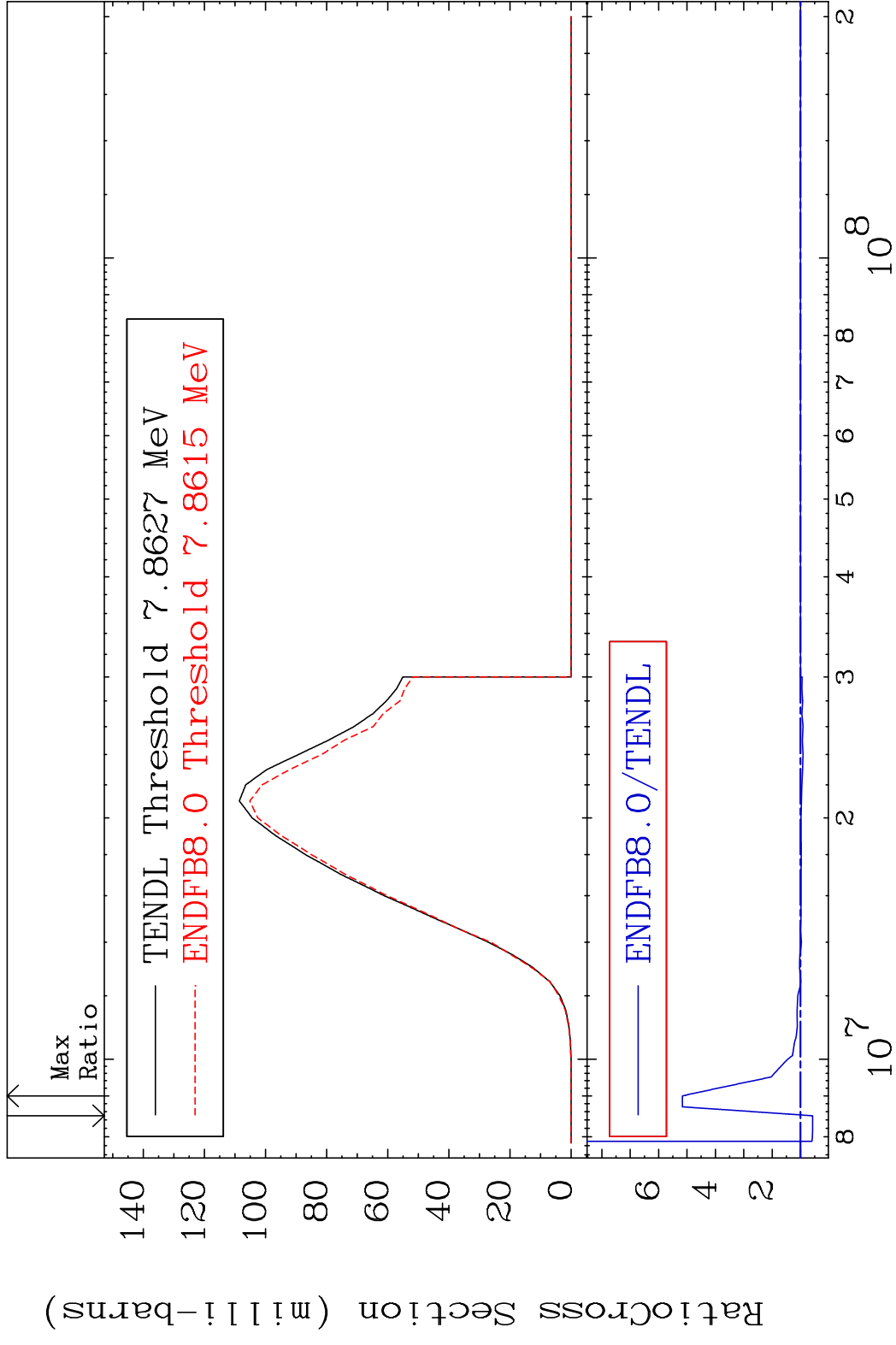


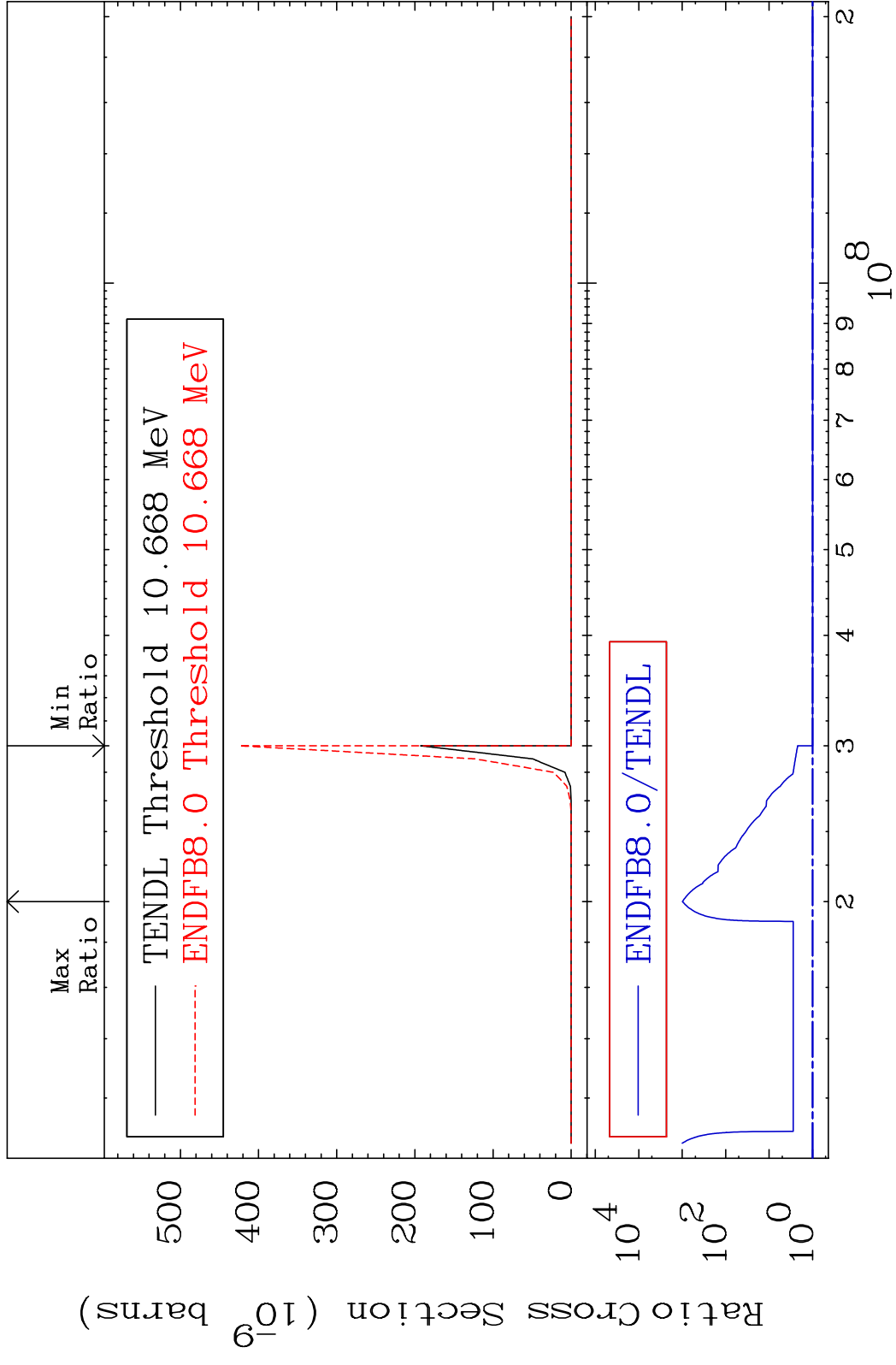


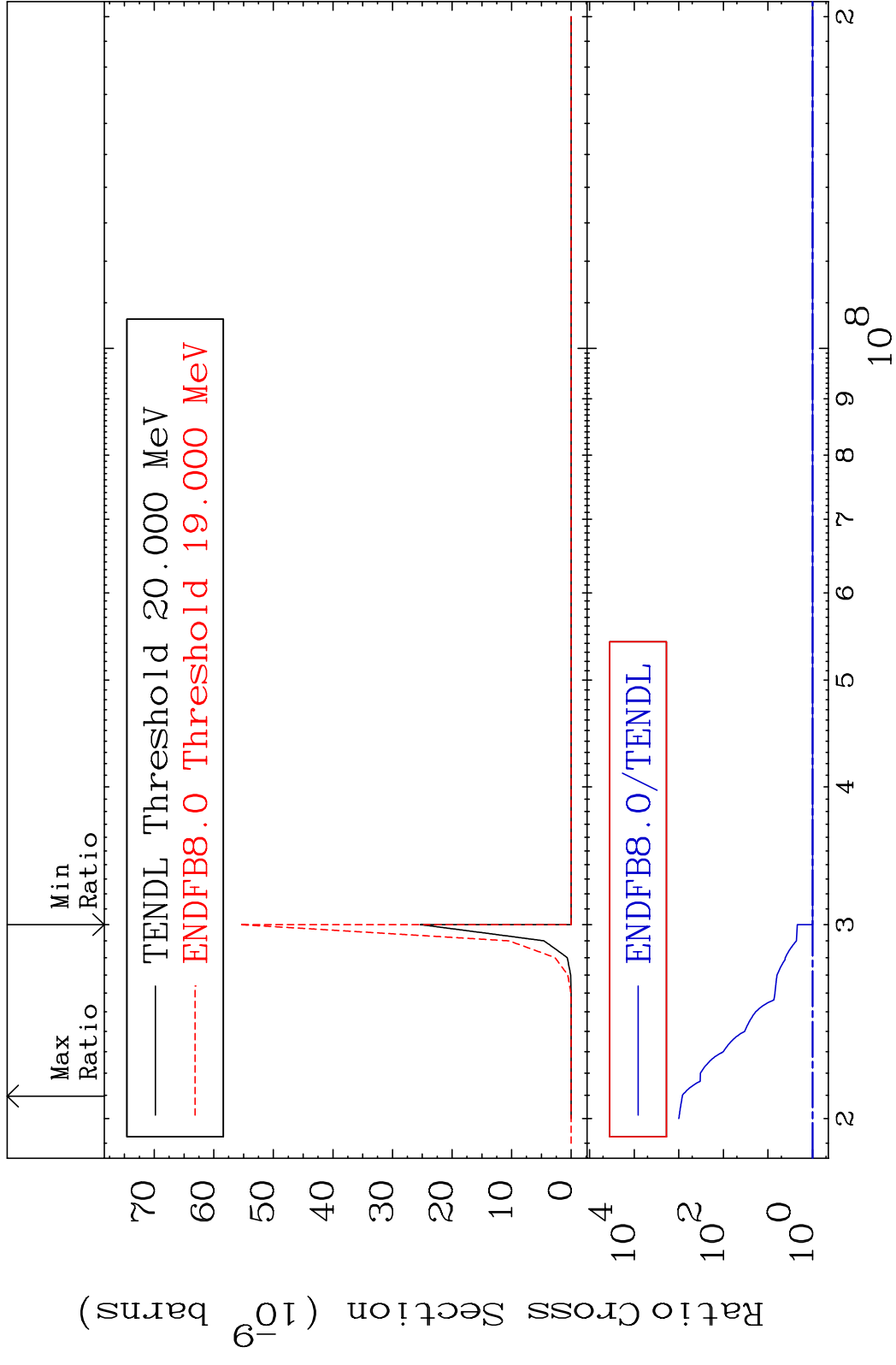


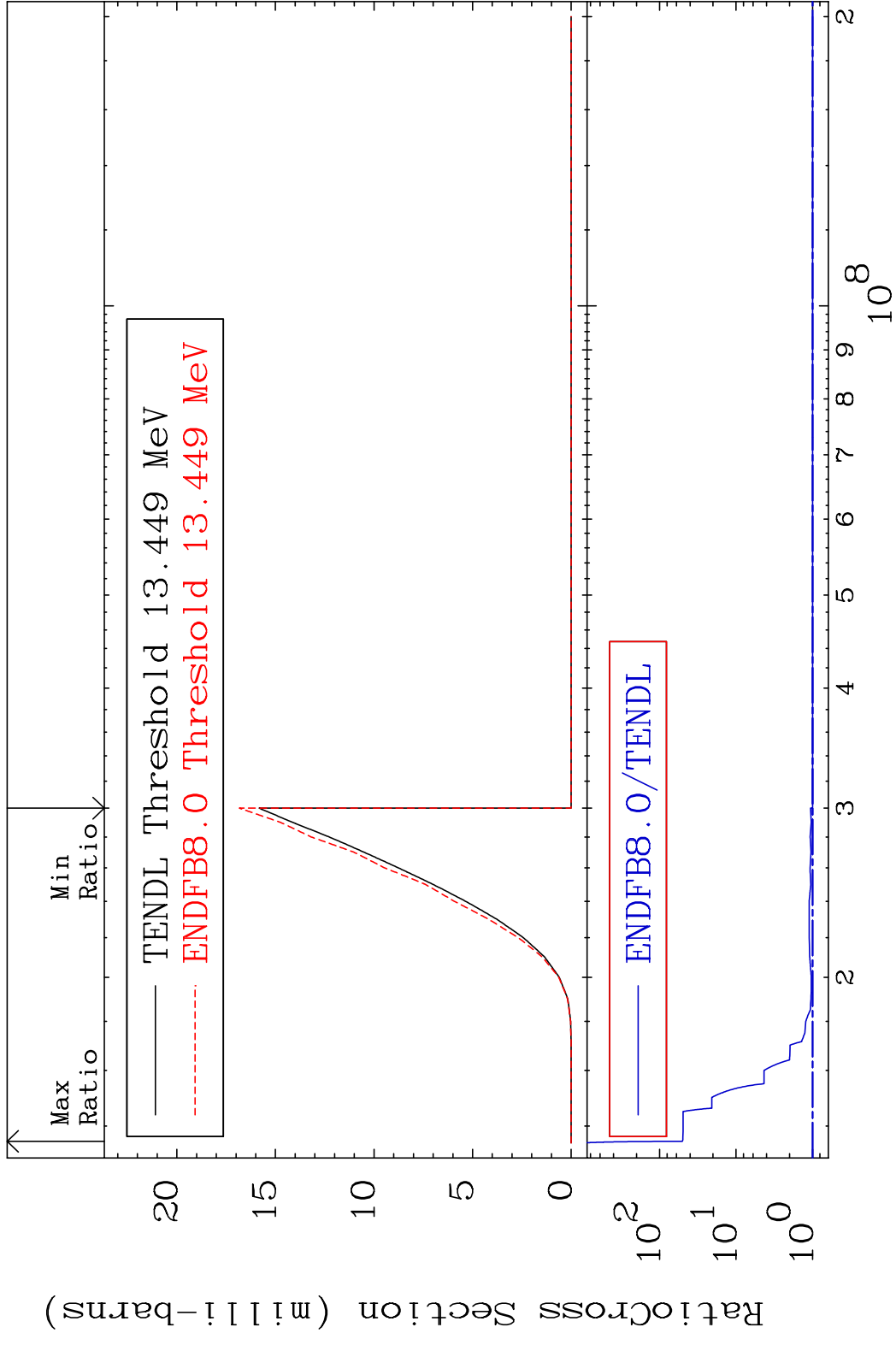


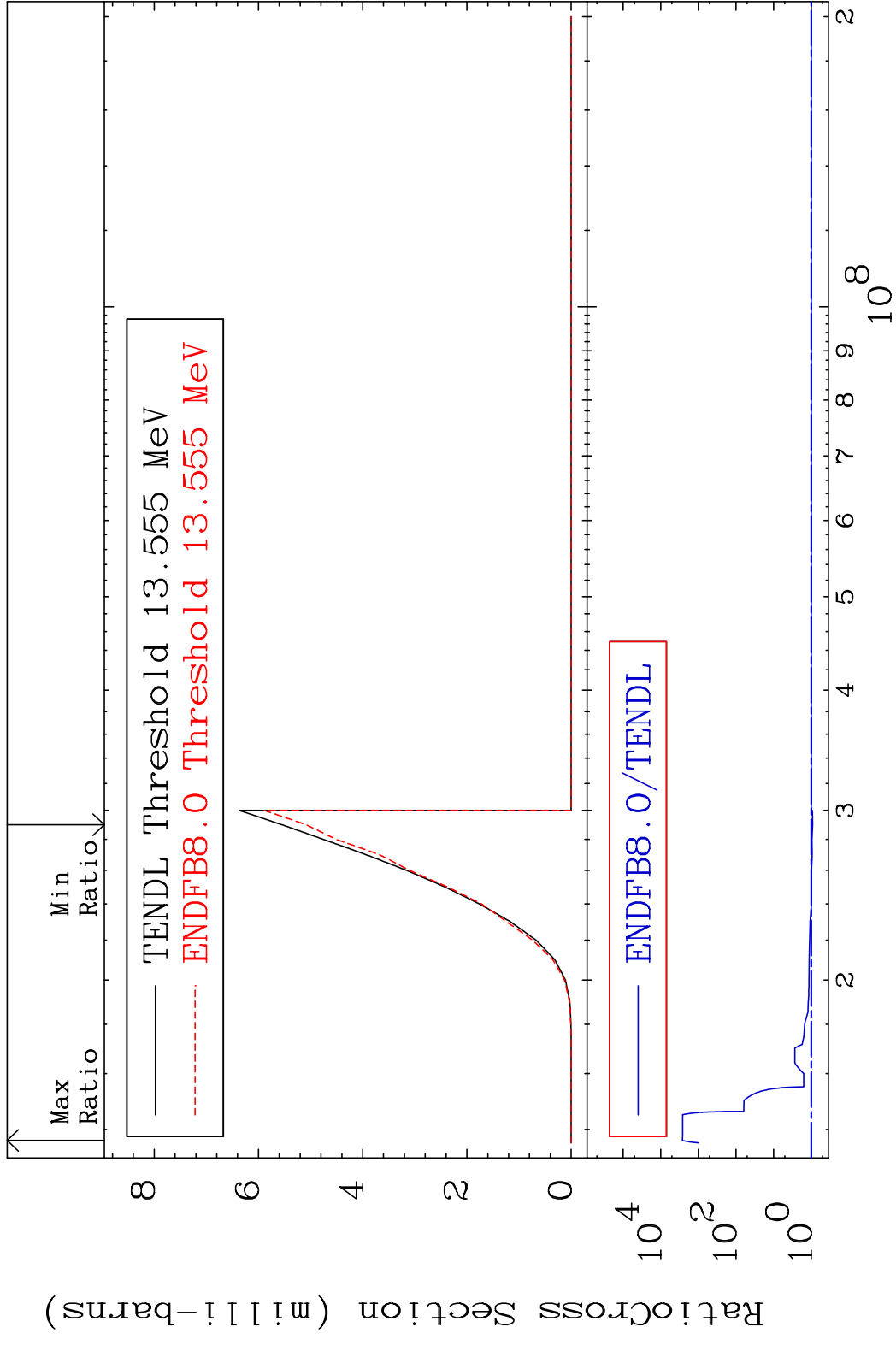
MAT 4228 (n, n') p:41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 416.4 %



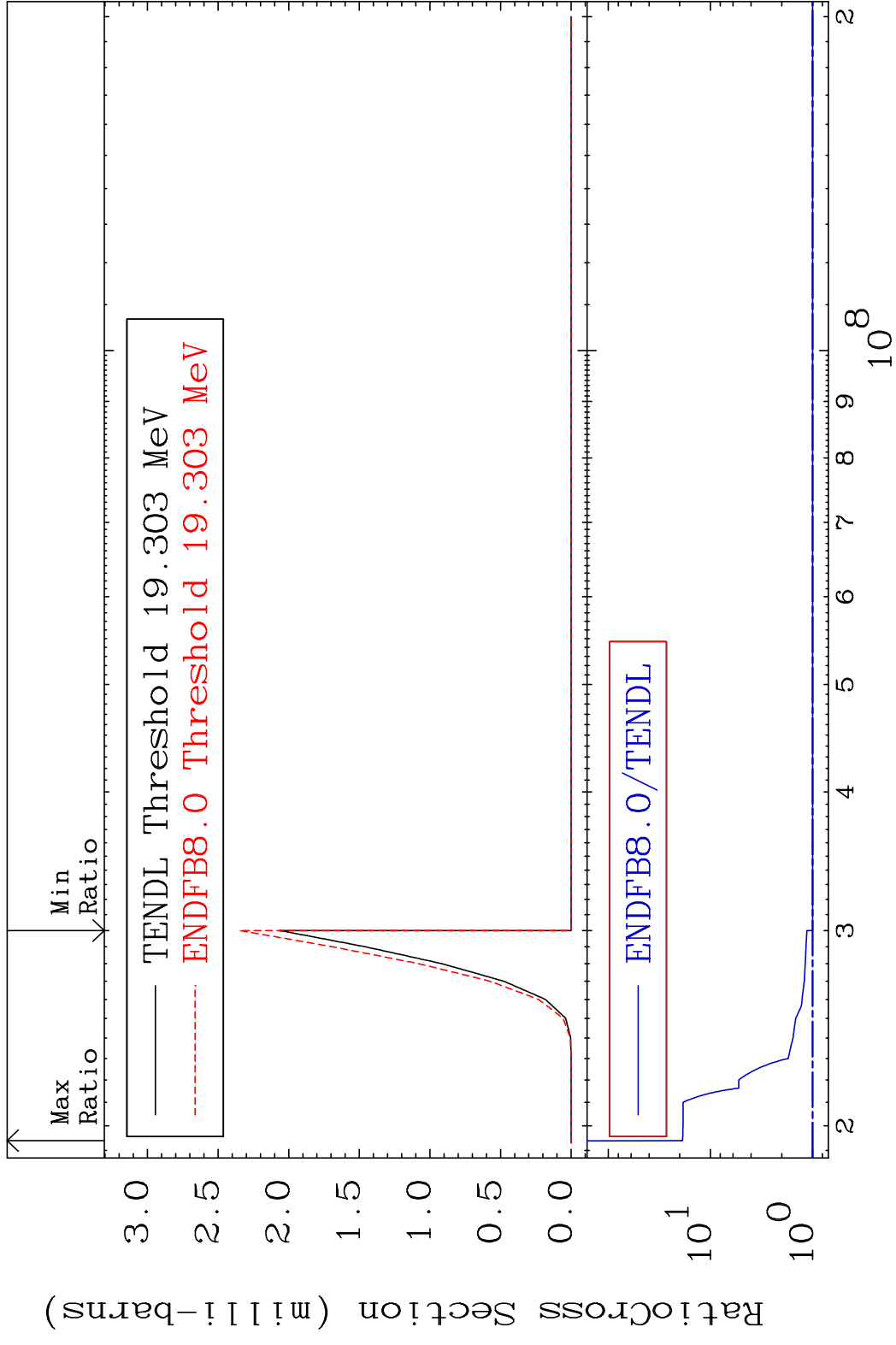




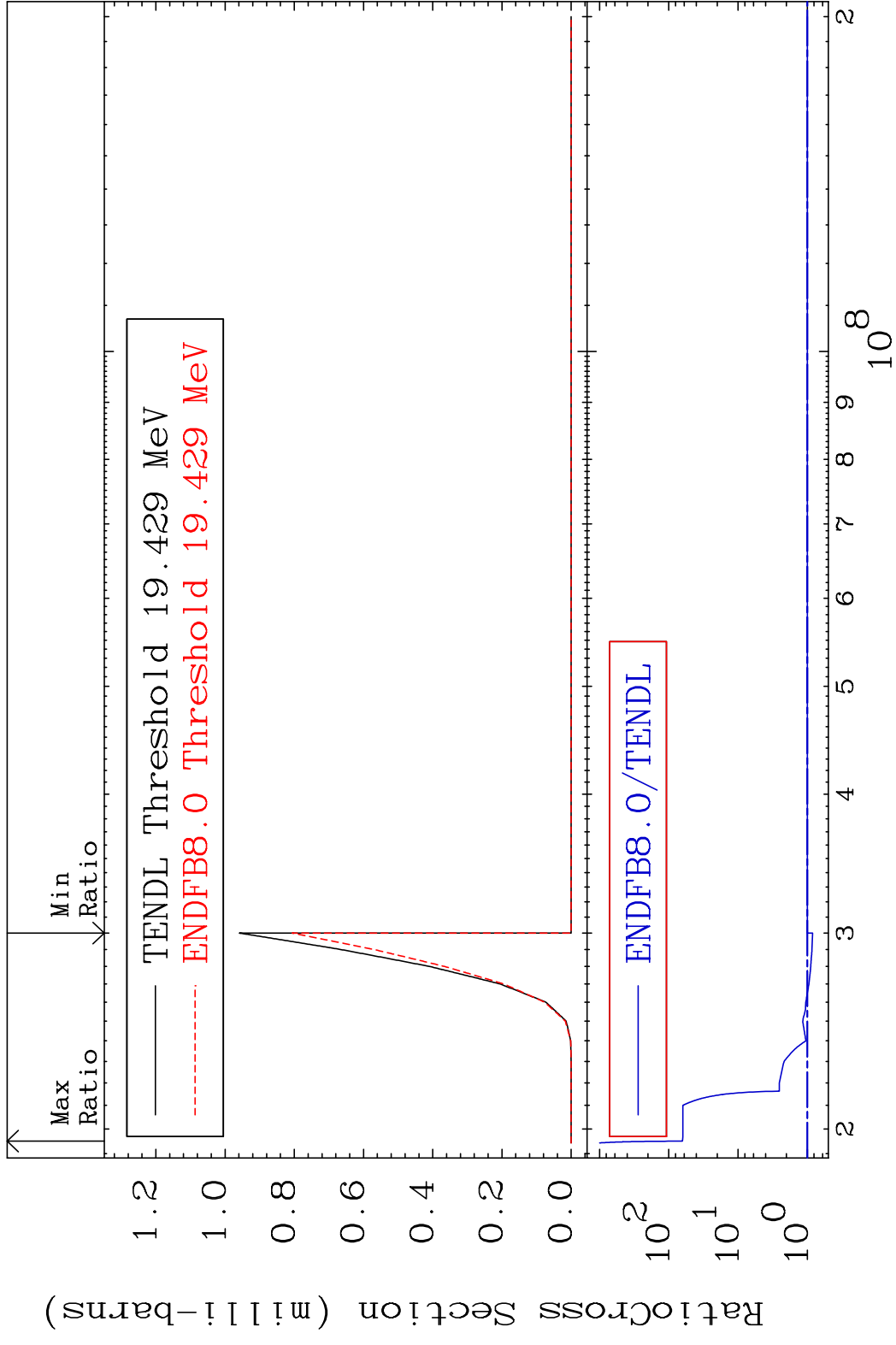


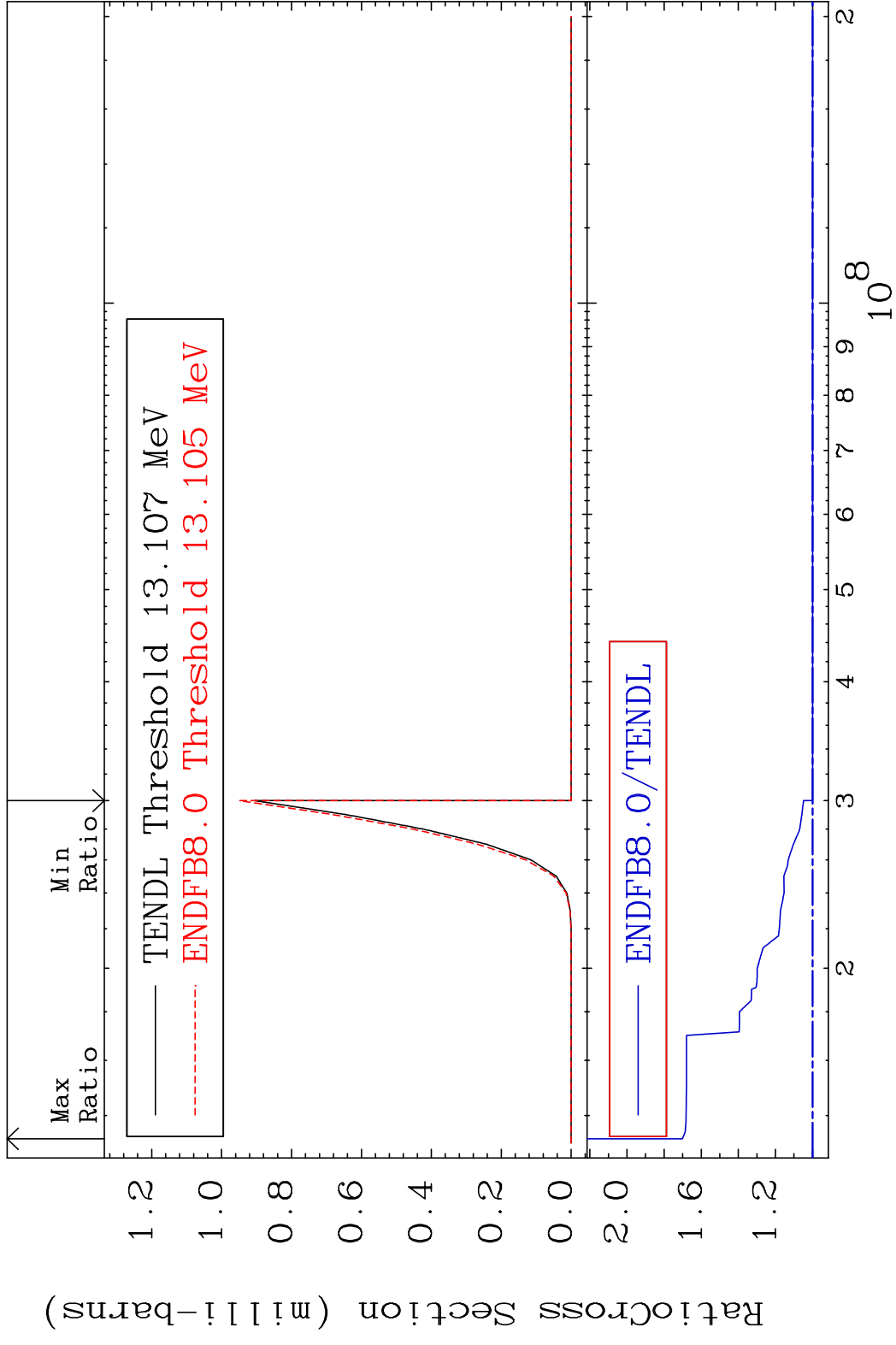


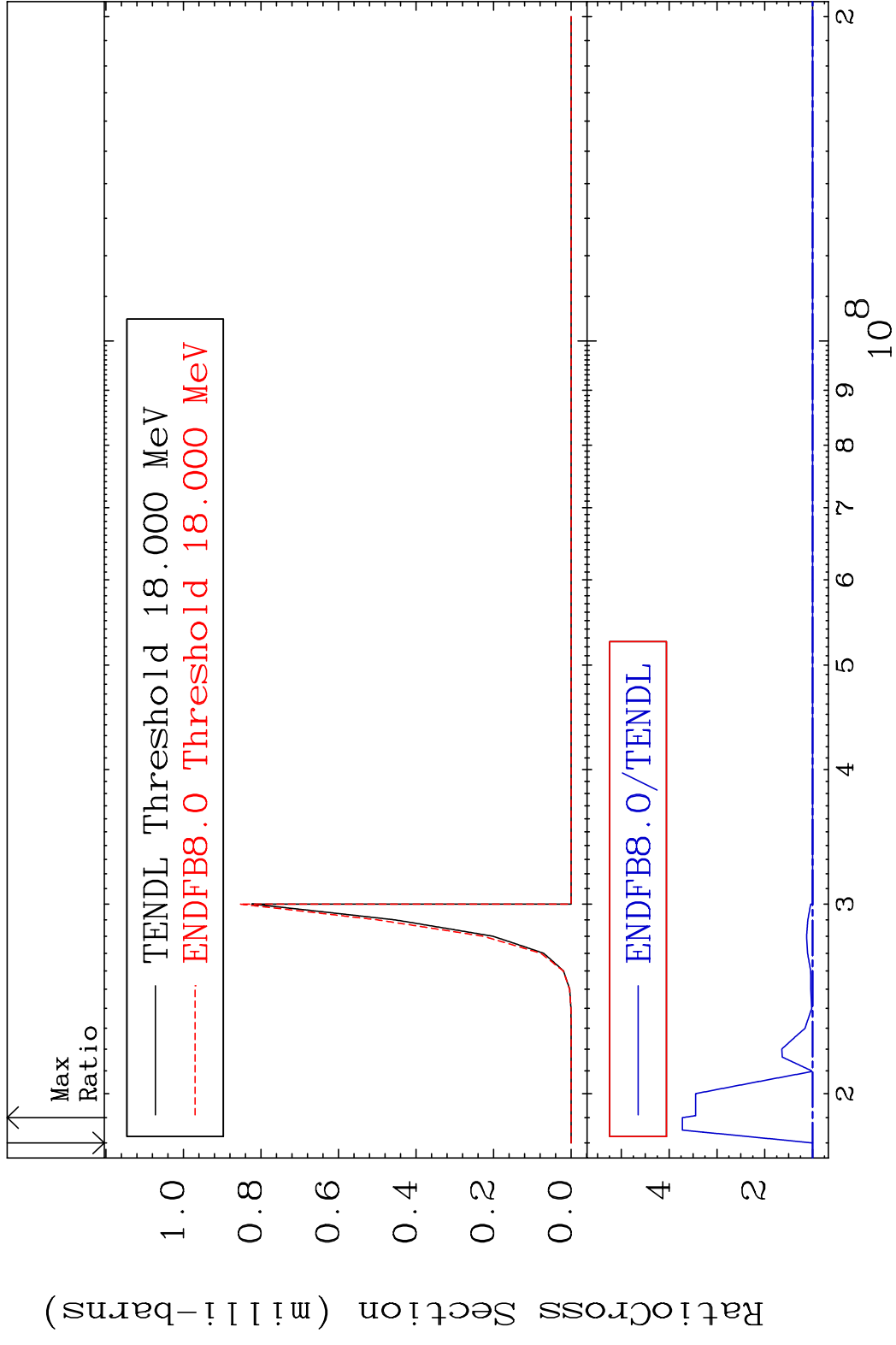
MAT 4228 (n, n') t:41-Nb-90g 42-Mo-93
 Radionuclide Production Cross Section 1785. %

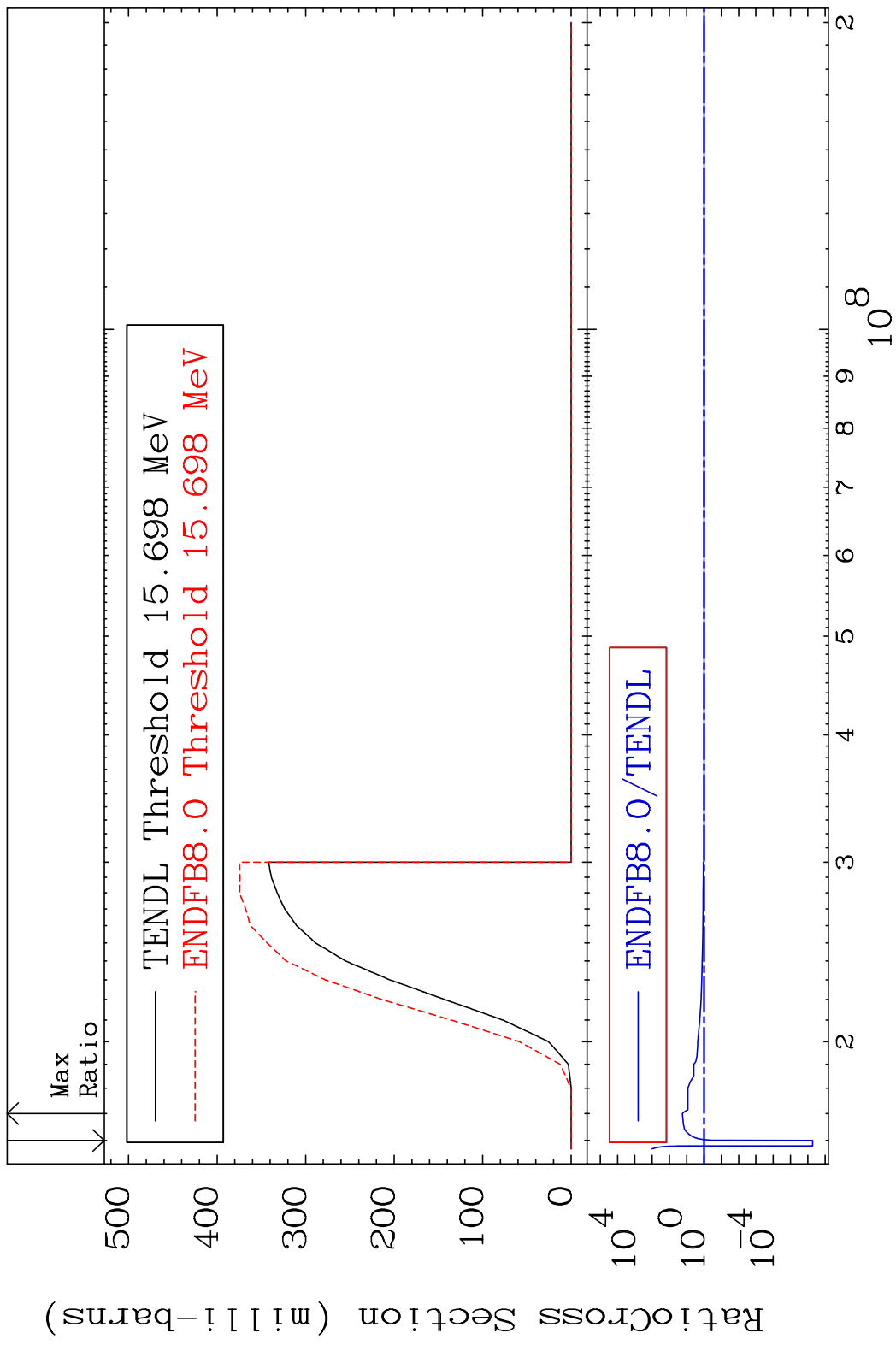


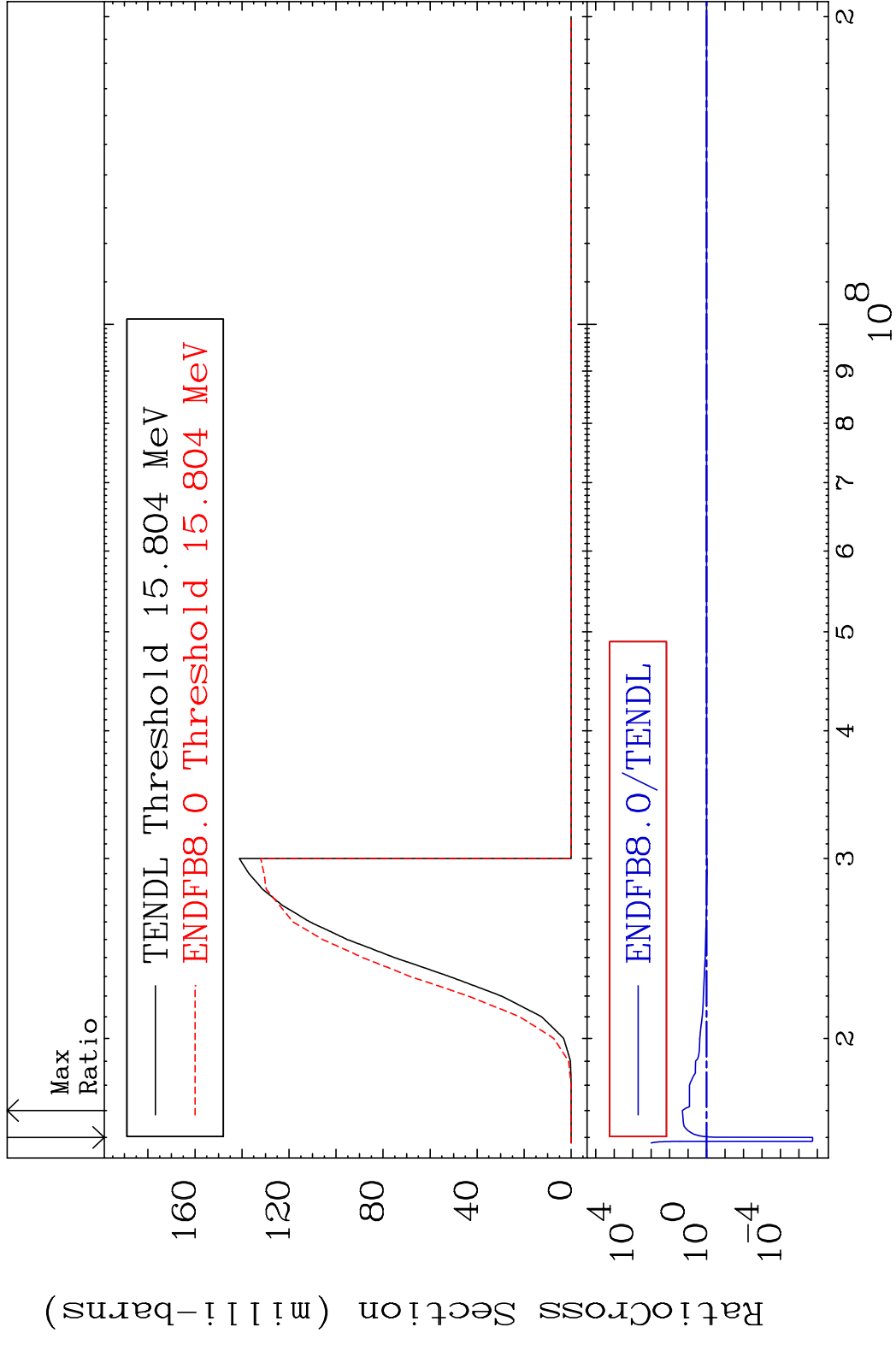
90 Incident Energy (eV) 42-Mo-93

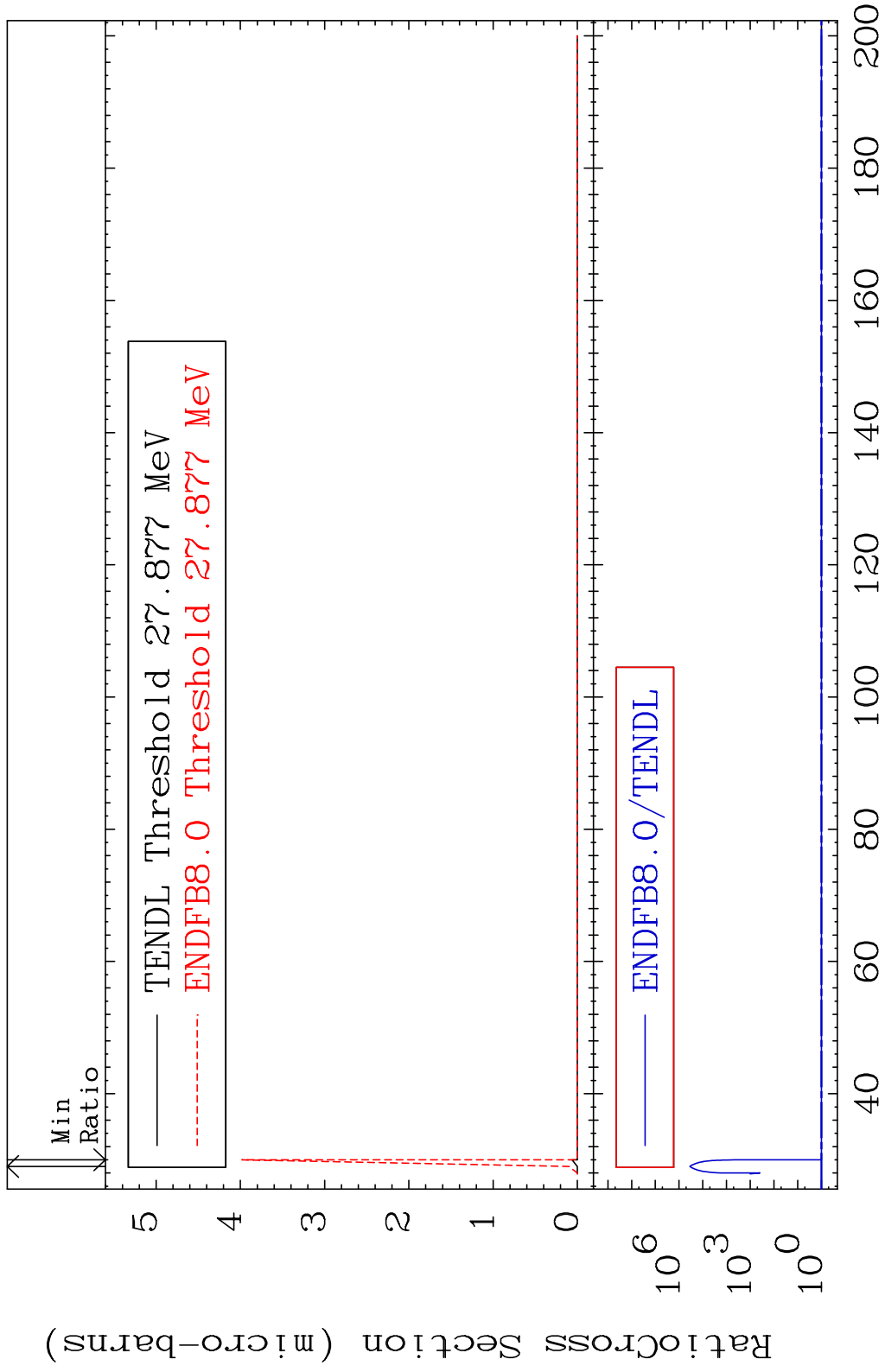


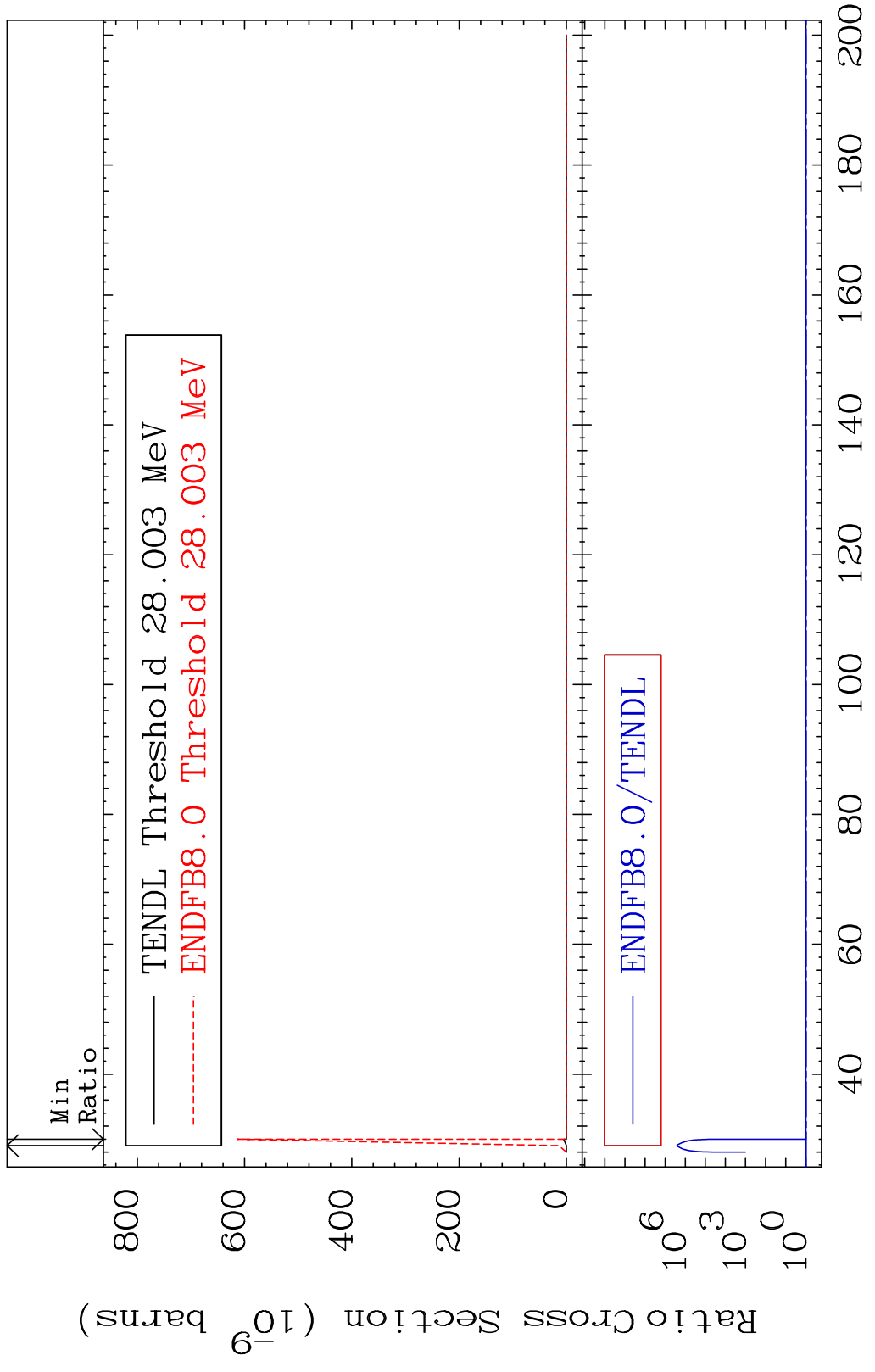


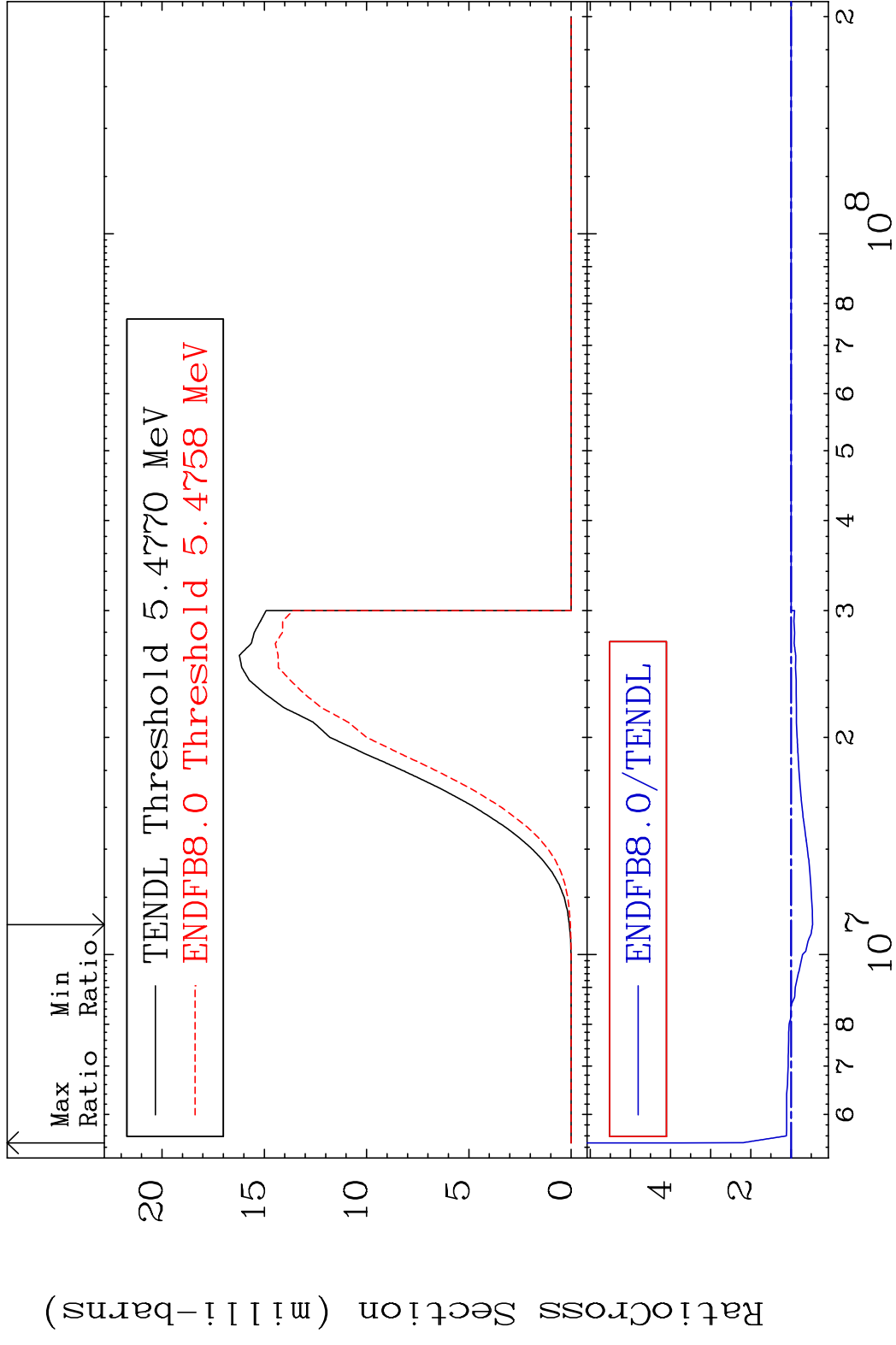




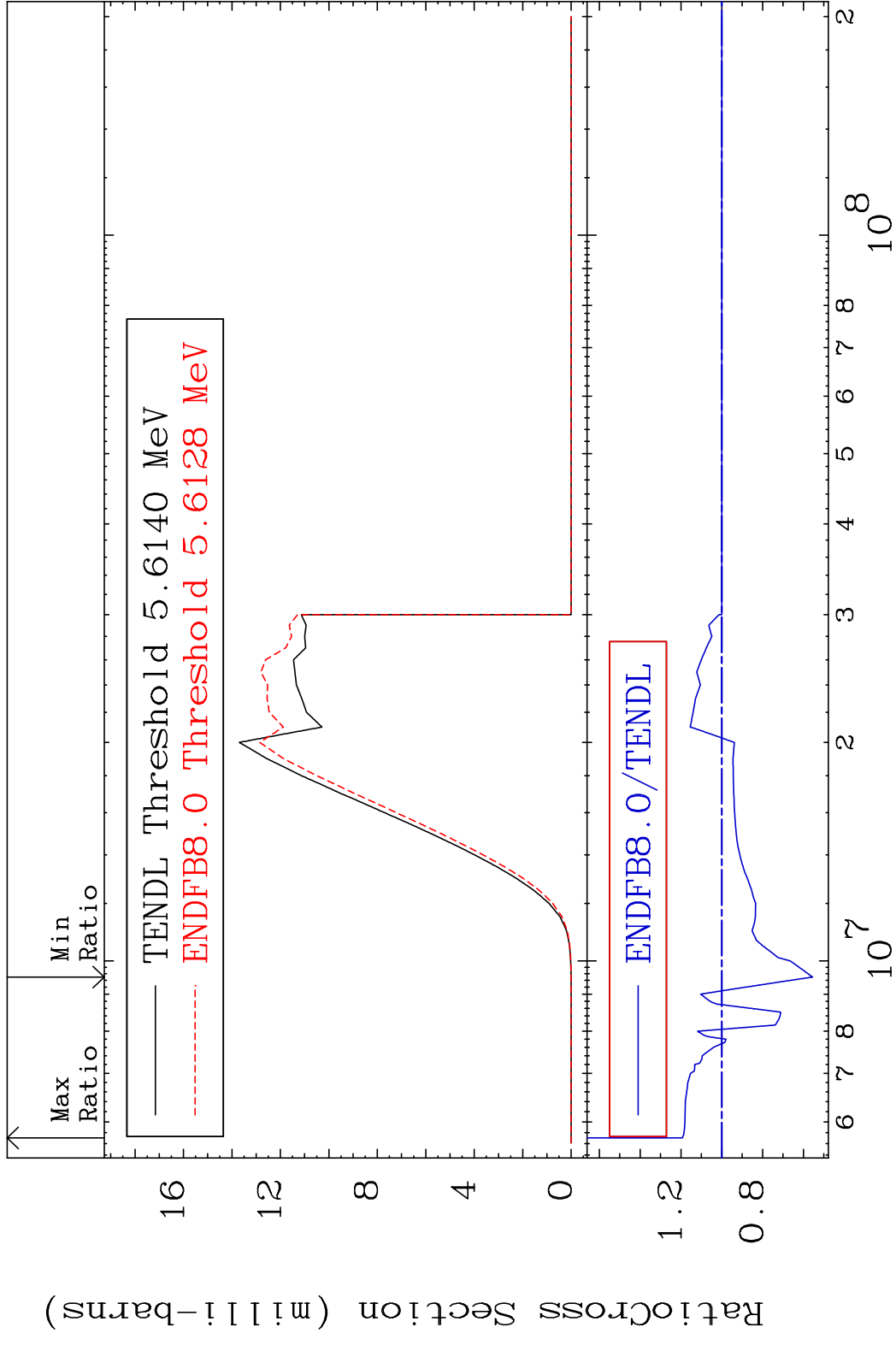








MAT 4228 (n, d) : 41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 42-Mo-93

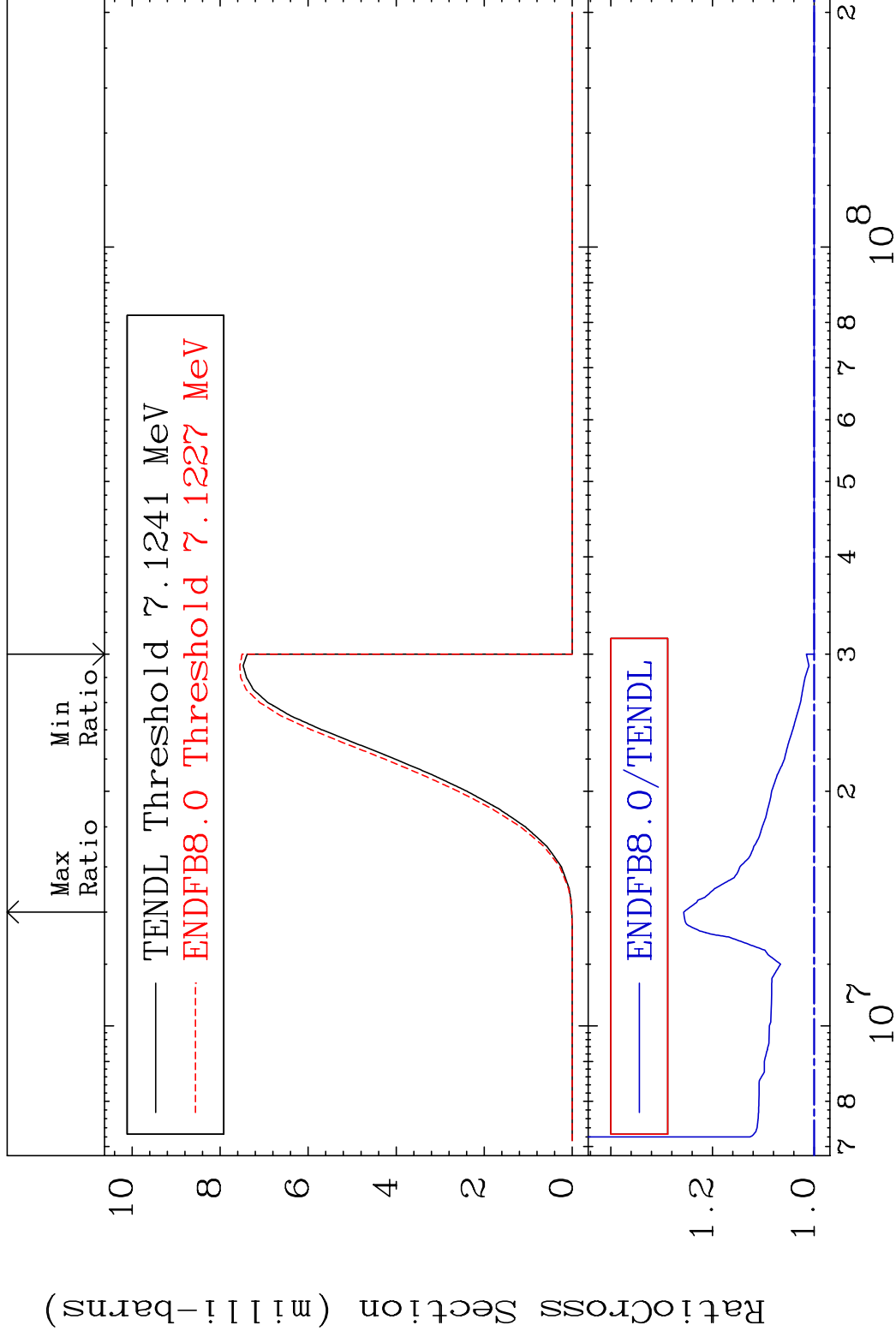


MAT 4228

(n, t): 41-Nb-91g

42-Mo-93

Radionuclide Production Cross Section 25.67 %

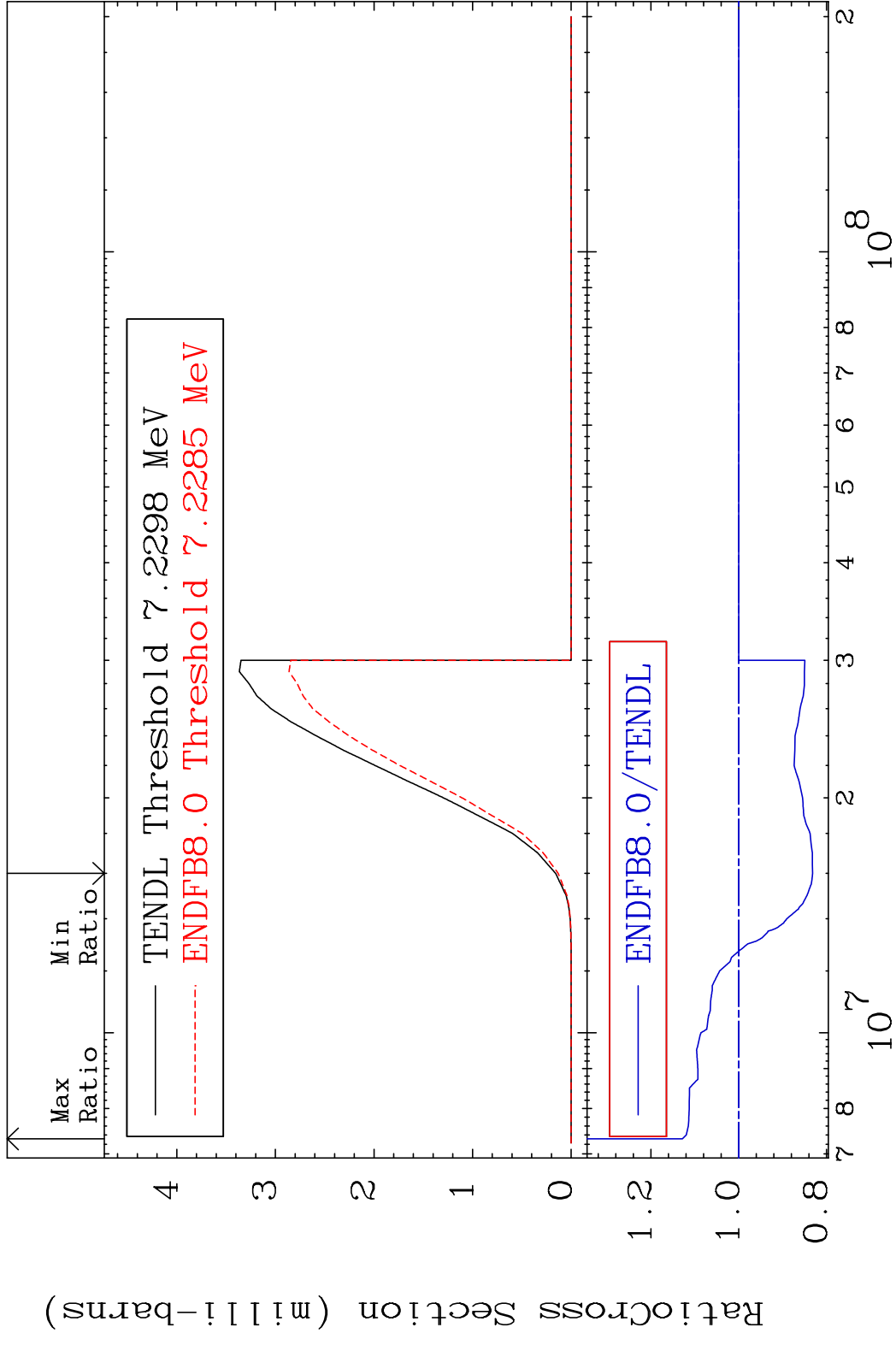


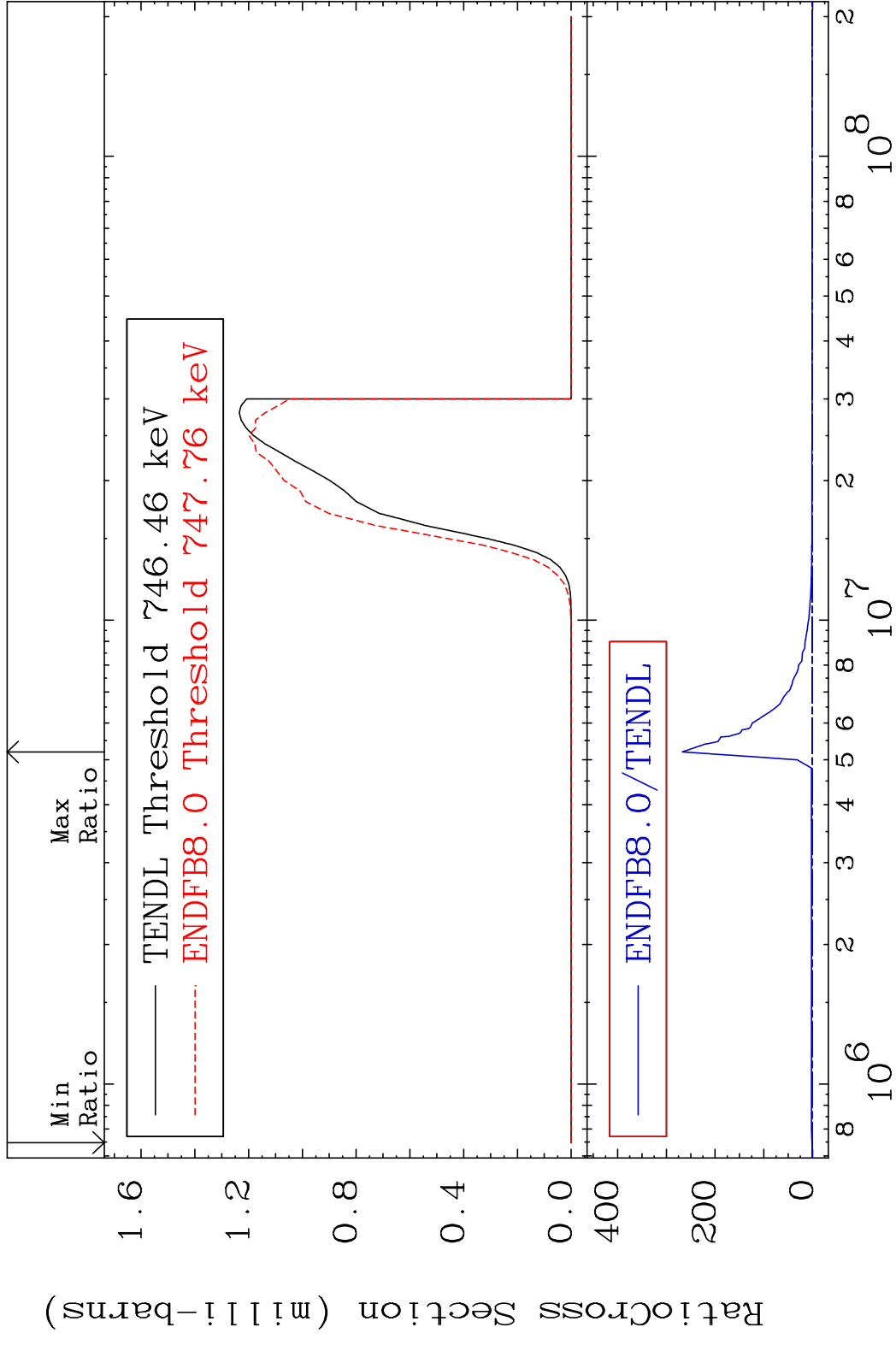
100

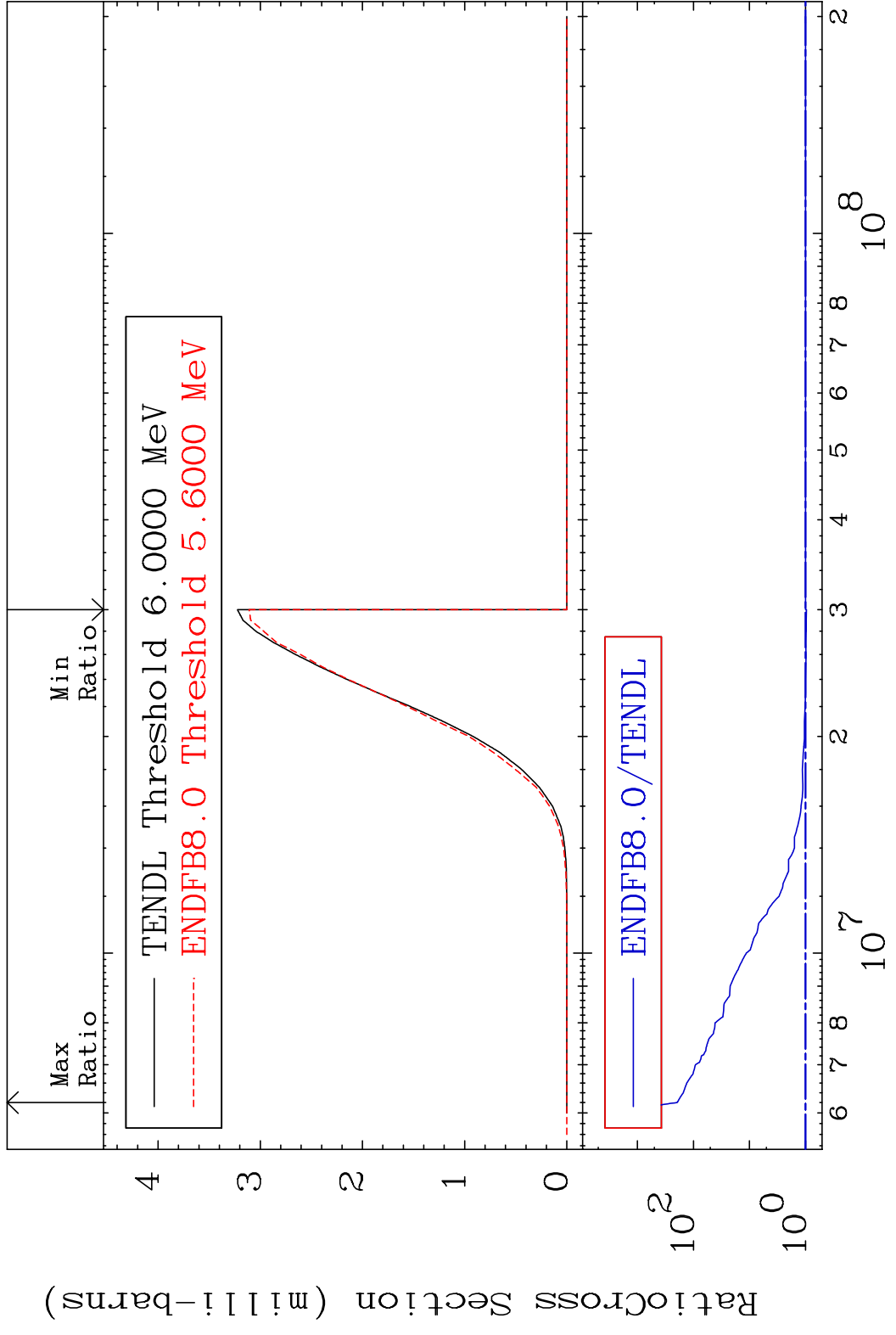
Incident Energy (eV)

42-Mo-93

MAT 4228 (n, t): 41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 18.62 mb 12.84 %







MAT 4228 (n, p) t:40-Zr-90g 42-Mo-93
 Radionuclide Production Cross Section 368.0 %

