

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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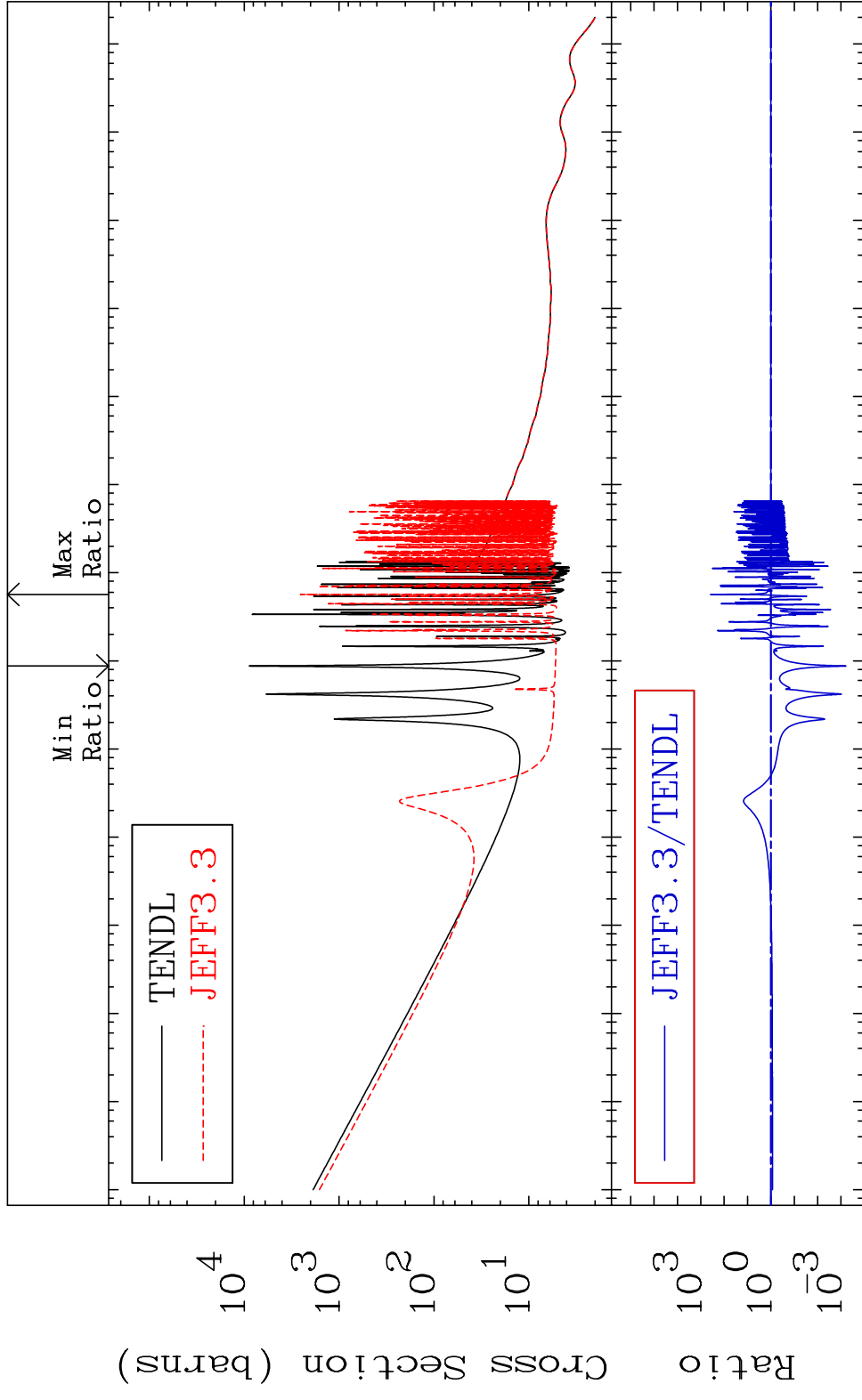
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5128

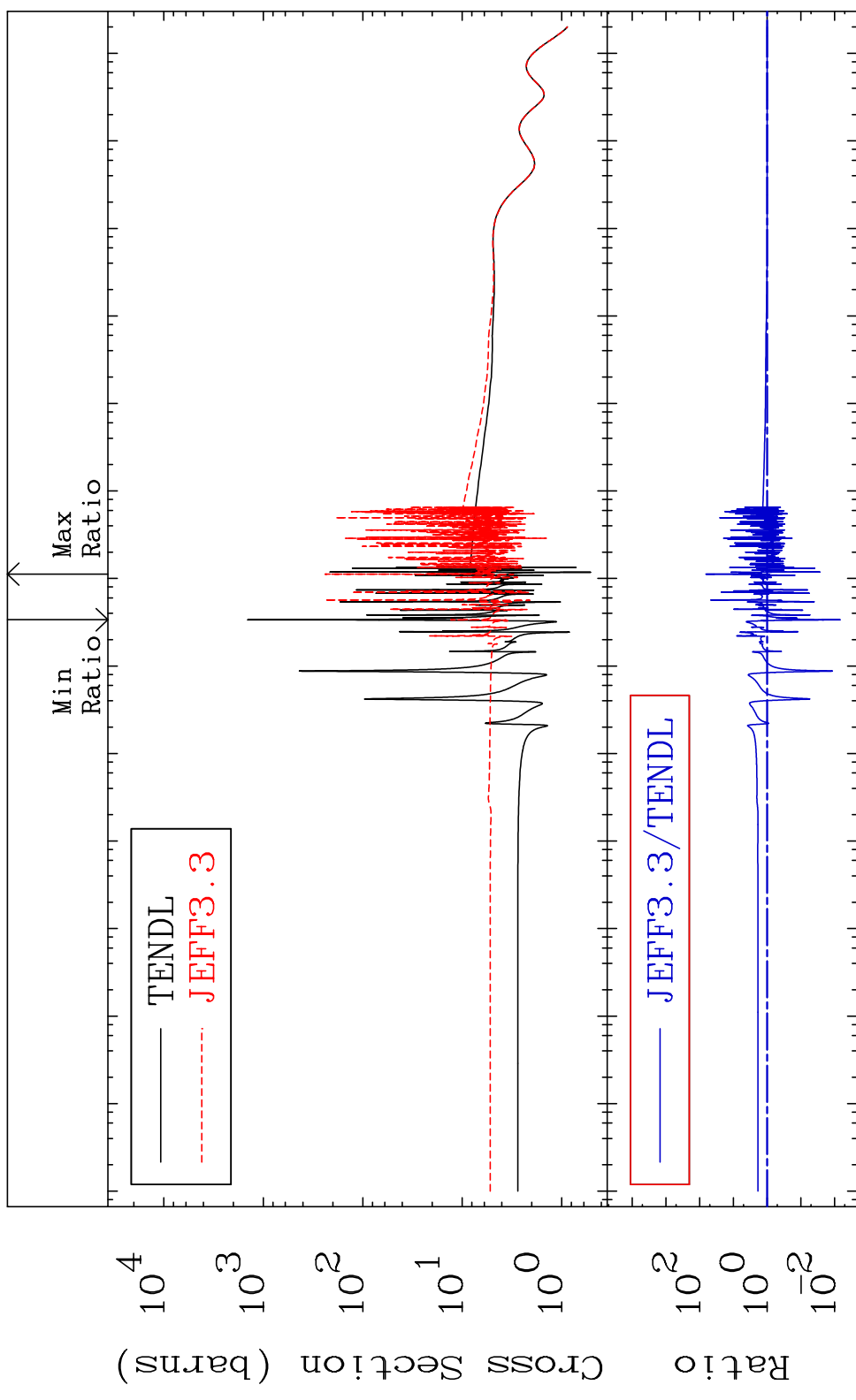
Total Cross Section -99.94 To 9999. %

51-Sb-122

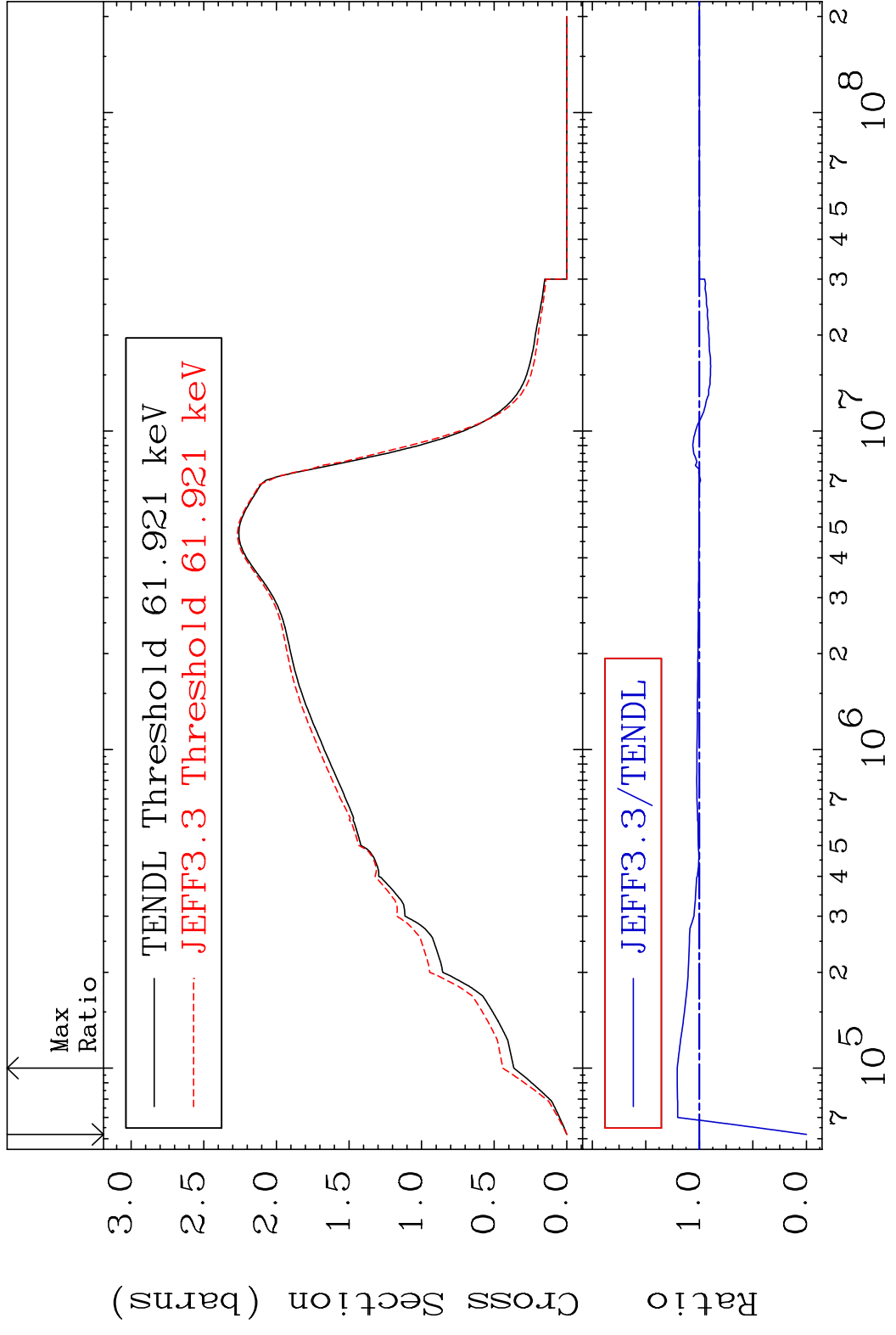


MAT 5128

Elastic Cross Section -99.32 To 6510. %
51-Sb-122



MAT 5128 Inelastic 51-Sb-122
 Cross Section -100.0 To 20.68 %



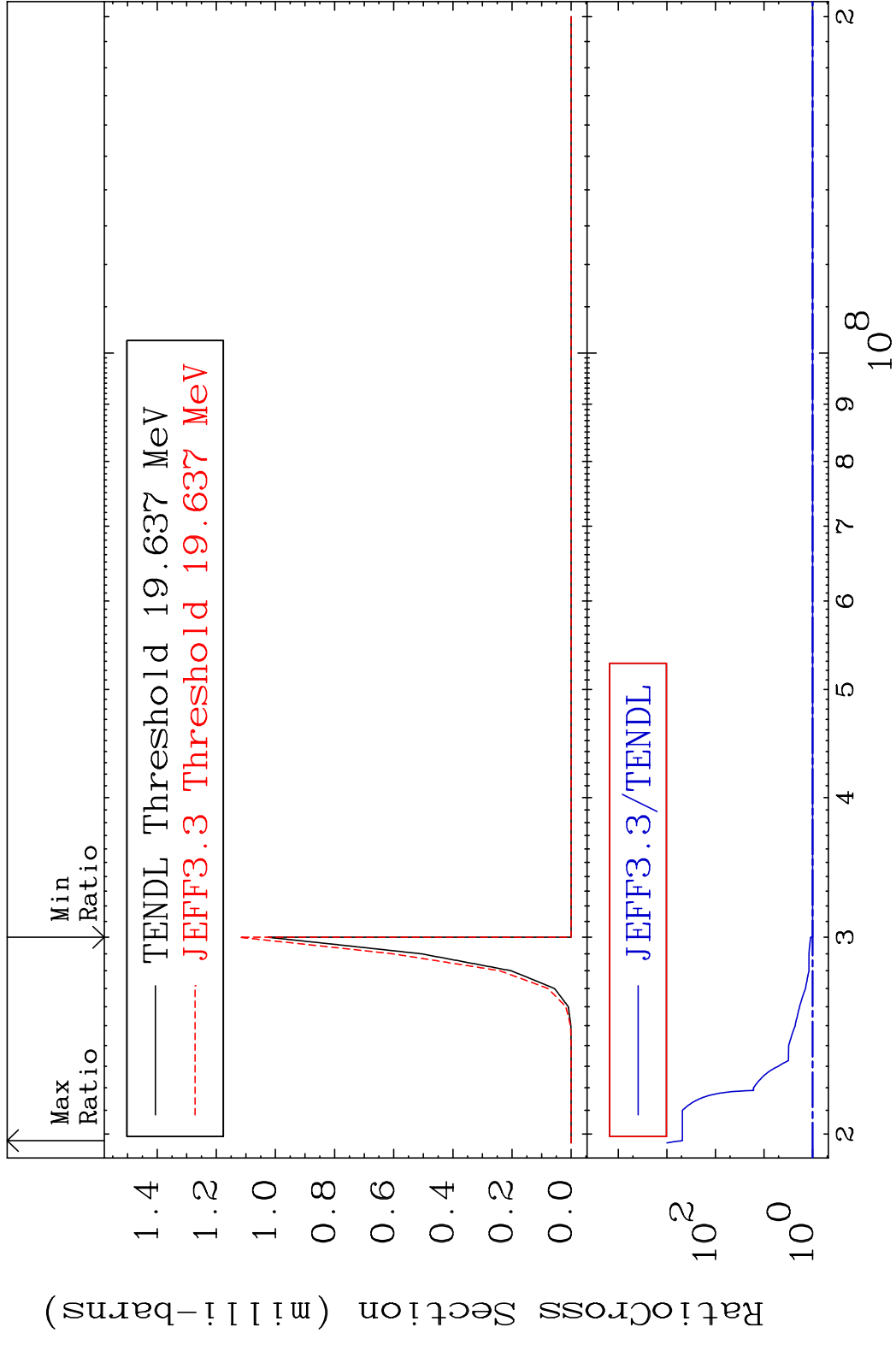
MAT 5128

(n,2n) d

51-Sb-122

Cross Section 0.000

To 9999. %

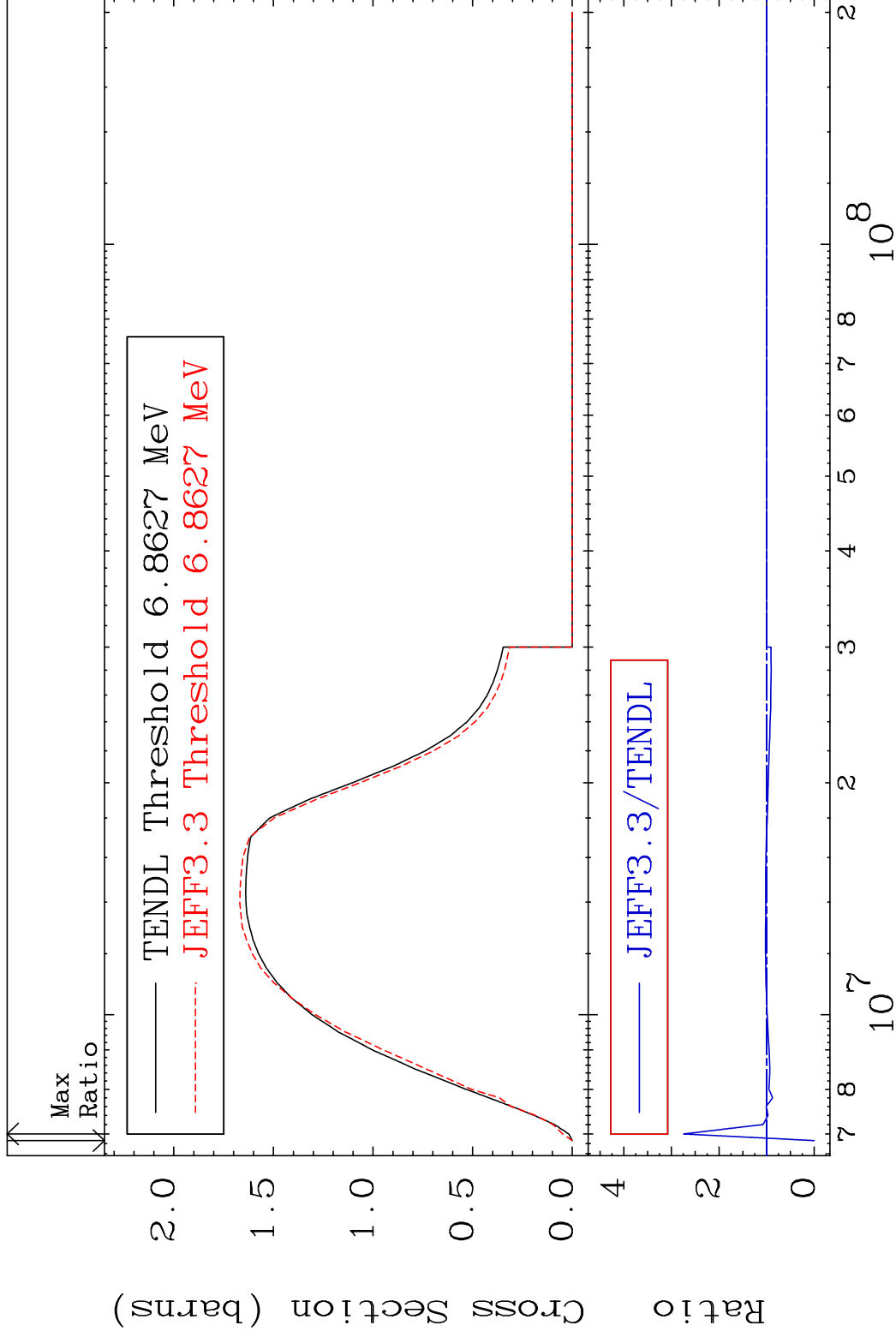


MAT 5128

(n,2n)

51-Sb-122

Cross Section -100.0 To 174.3 %



5

Incident Energy (eV)

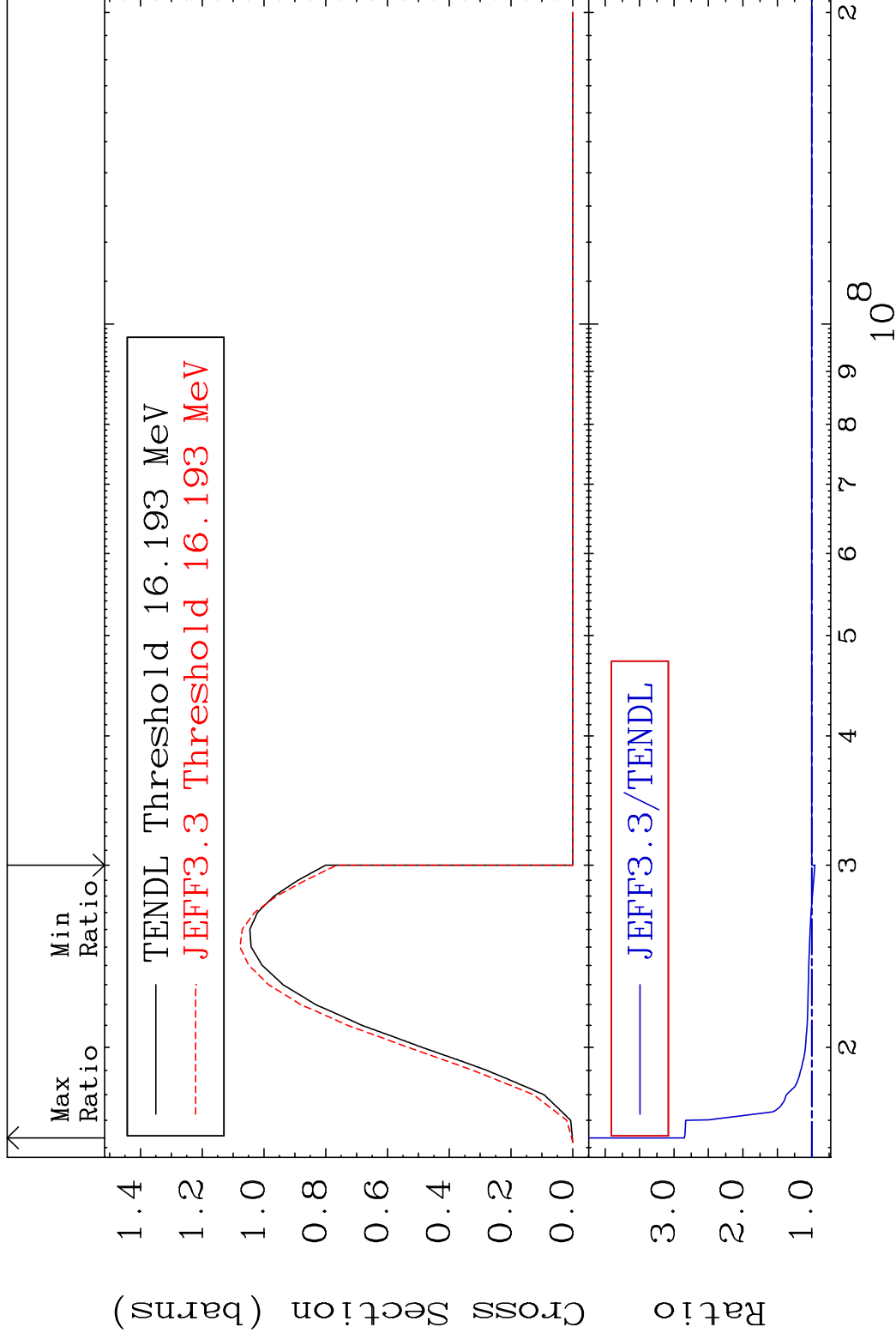
51-Sb-122

MAT 5128

(n,3n)

51-Sb-122

Cross Section -4.492 To 185.1 %

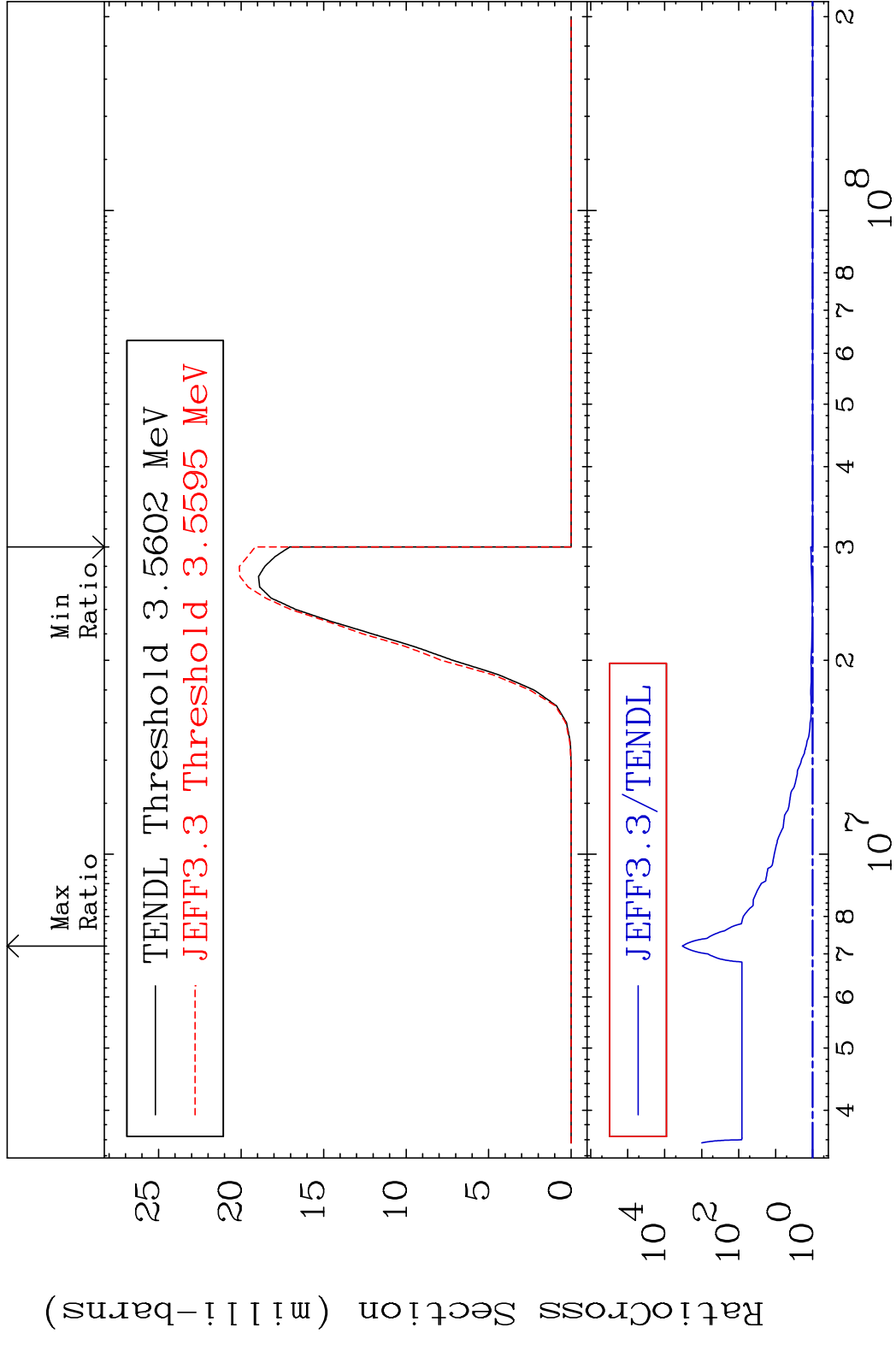


MAT 5128

(n, n') α

51-Sb-122

Cross Section 0.000 To 9999. %



7

Incident Energy (eV)

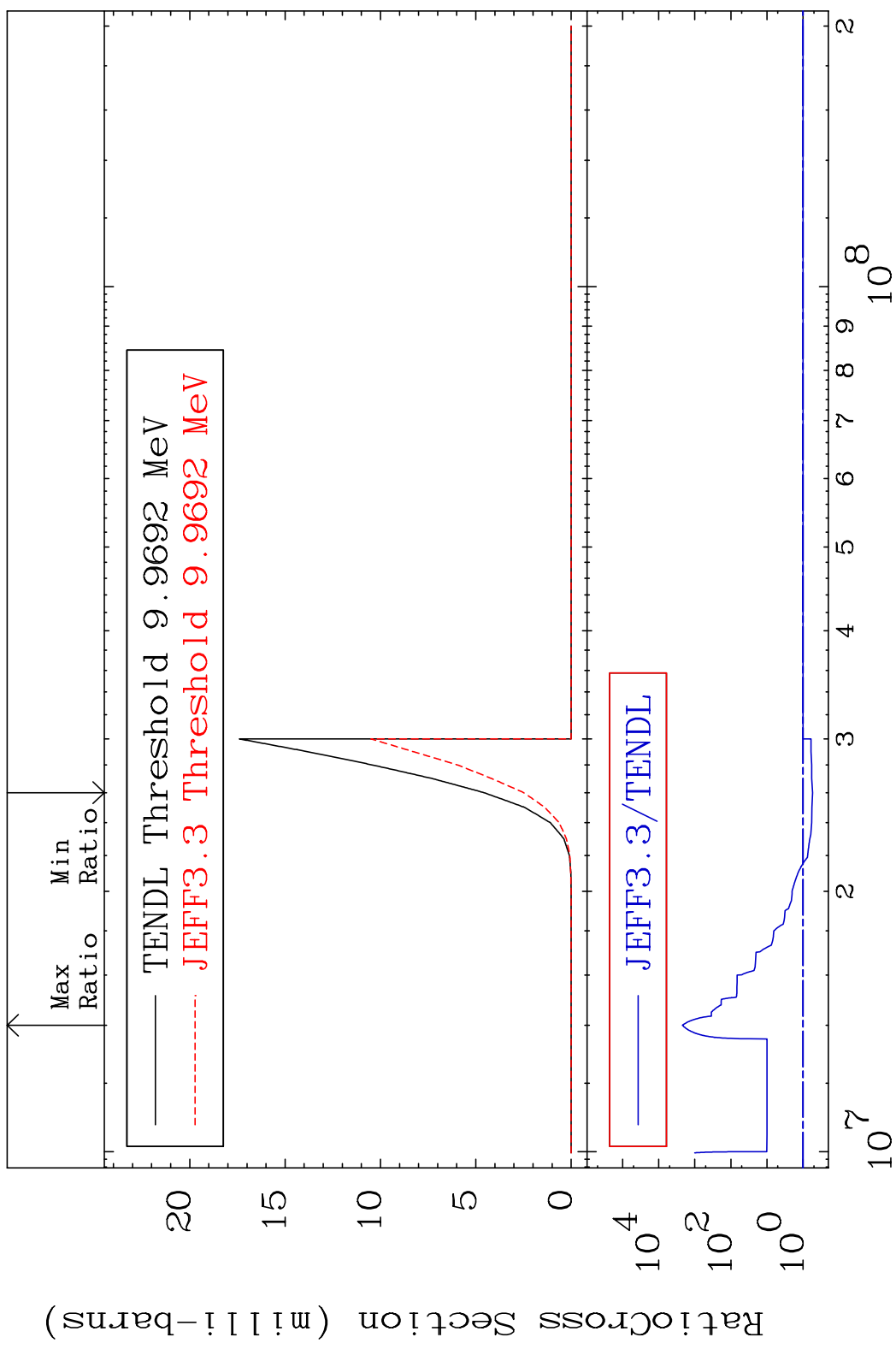
51-Sb-122

MAT 5128

(n,2n) α

51-Sb-122

Cross Section -45.55 To 9999. %



8

Incident Energy (eV)

51-Sb-122

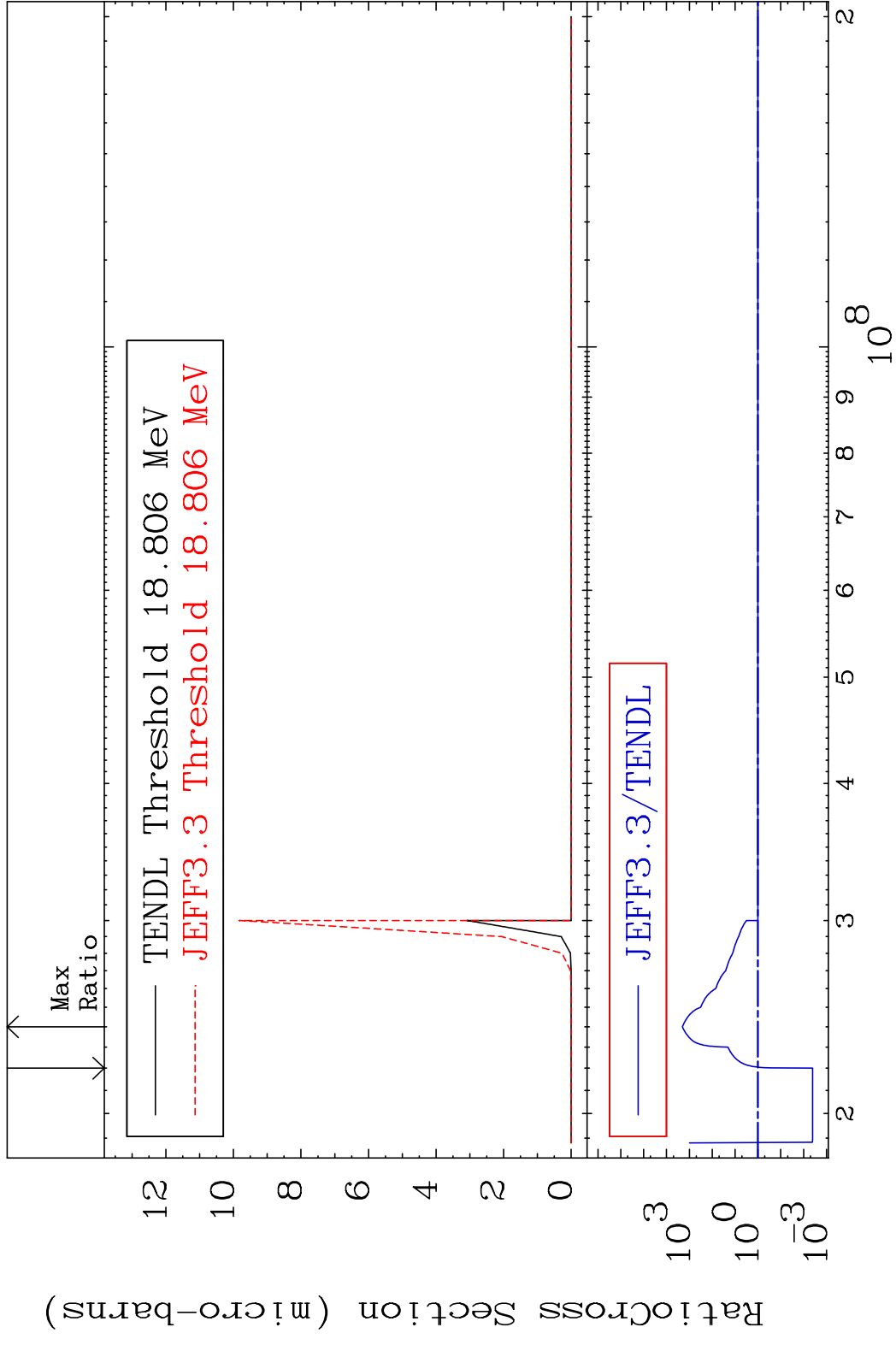
MAT 5128

(n,3n) α

51-Sb-122

Cross Section

-99.59 To 9999. %

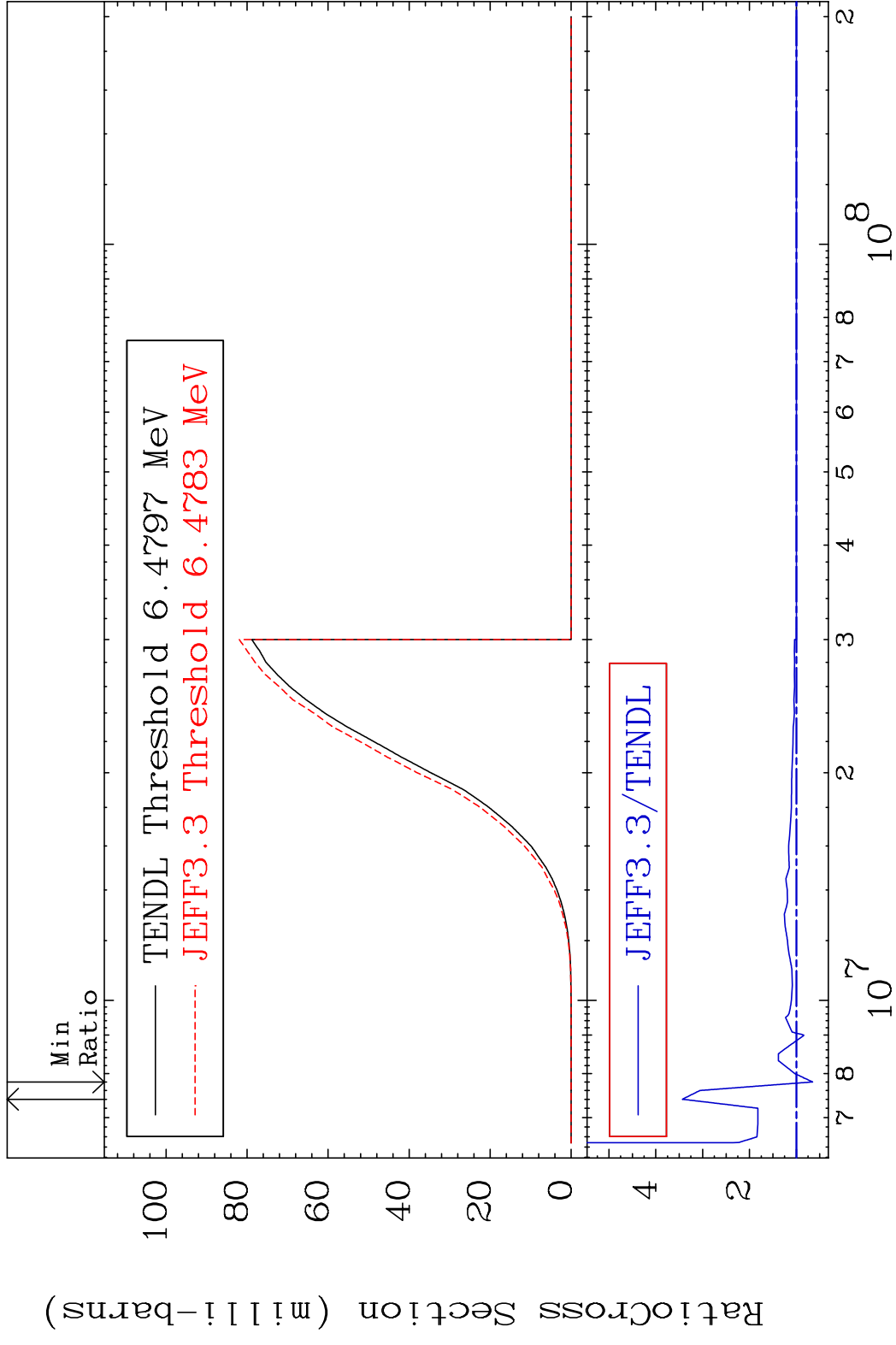


MAT 5128

(n, n') p

51-Sb-122

Cross Section -34.62 To 243.3 %

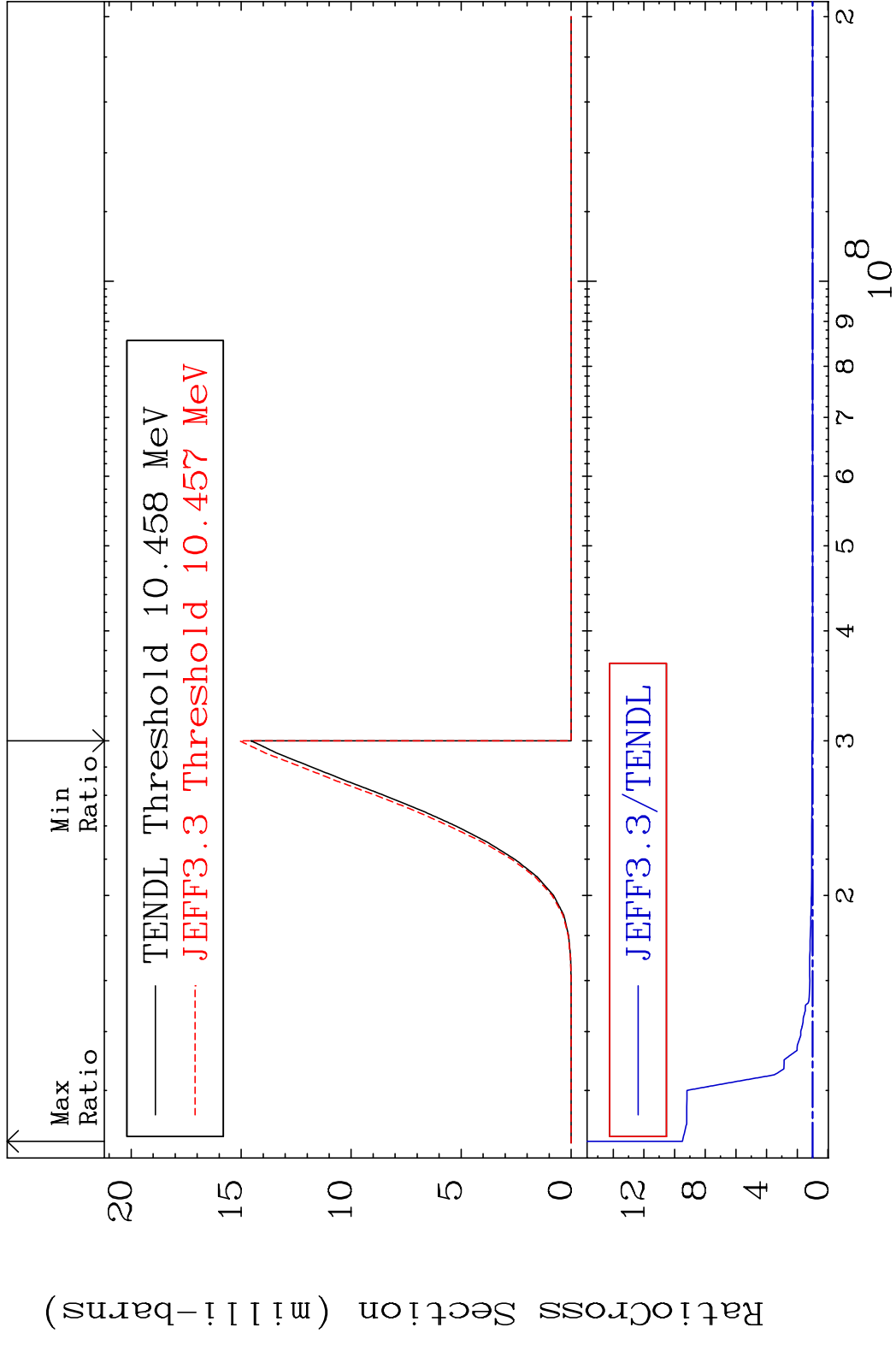


10

Incident Energy (eV)

51-Sb-122

MAT 5128 (n, n') d 51-Sb-122
 Cross Section 0.000 To 849.1 %

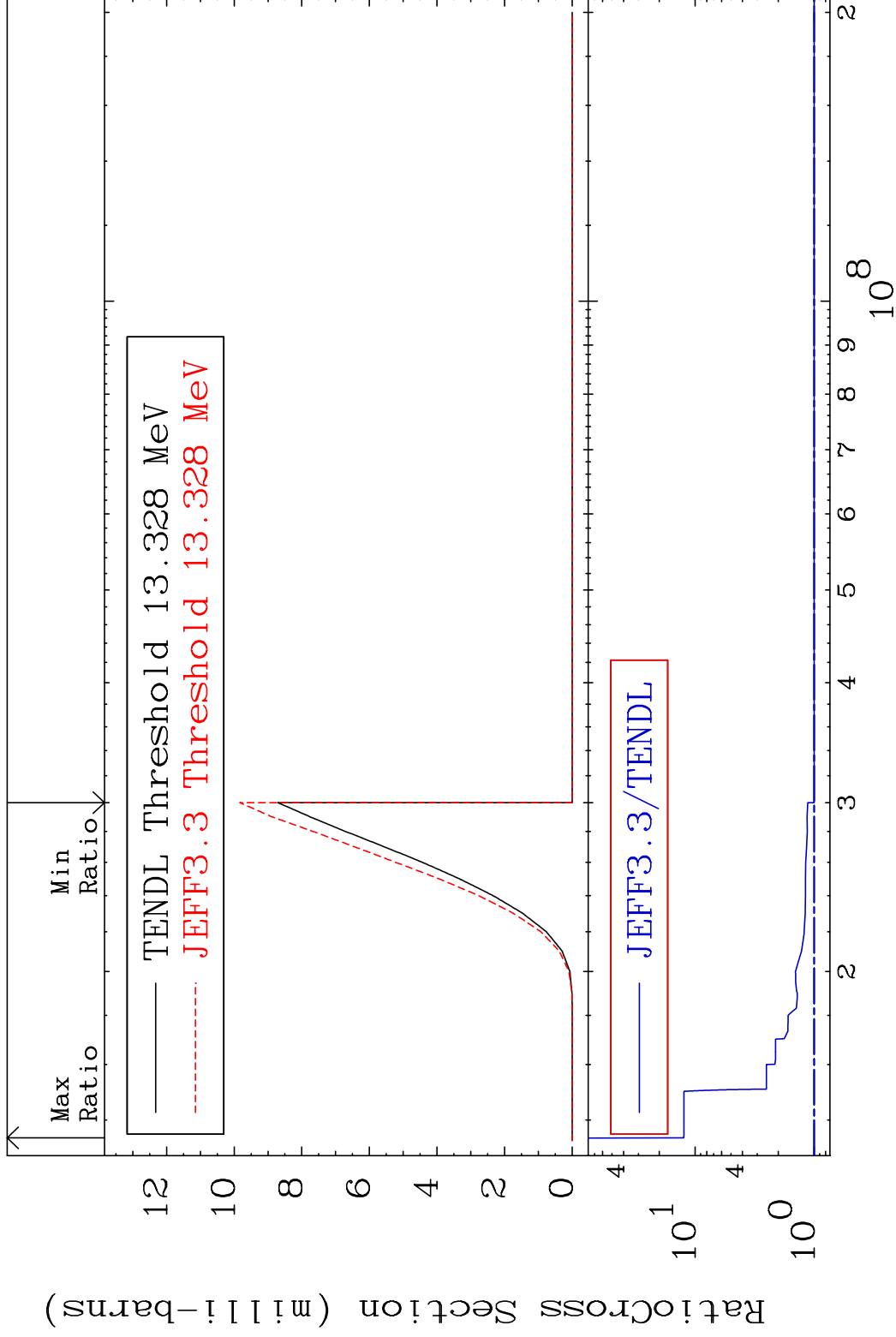


MAT 5128

(n, n') t

51-Sb-122

Cross Section 0.000 To 1149. %



12

Incident Energy (eV)

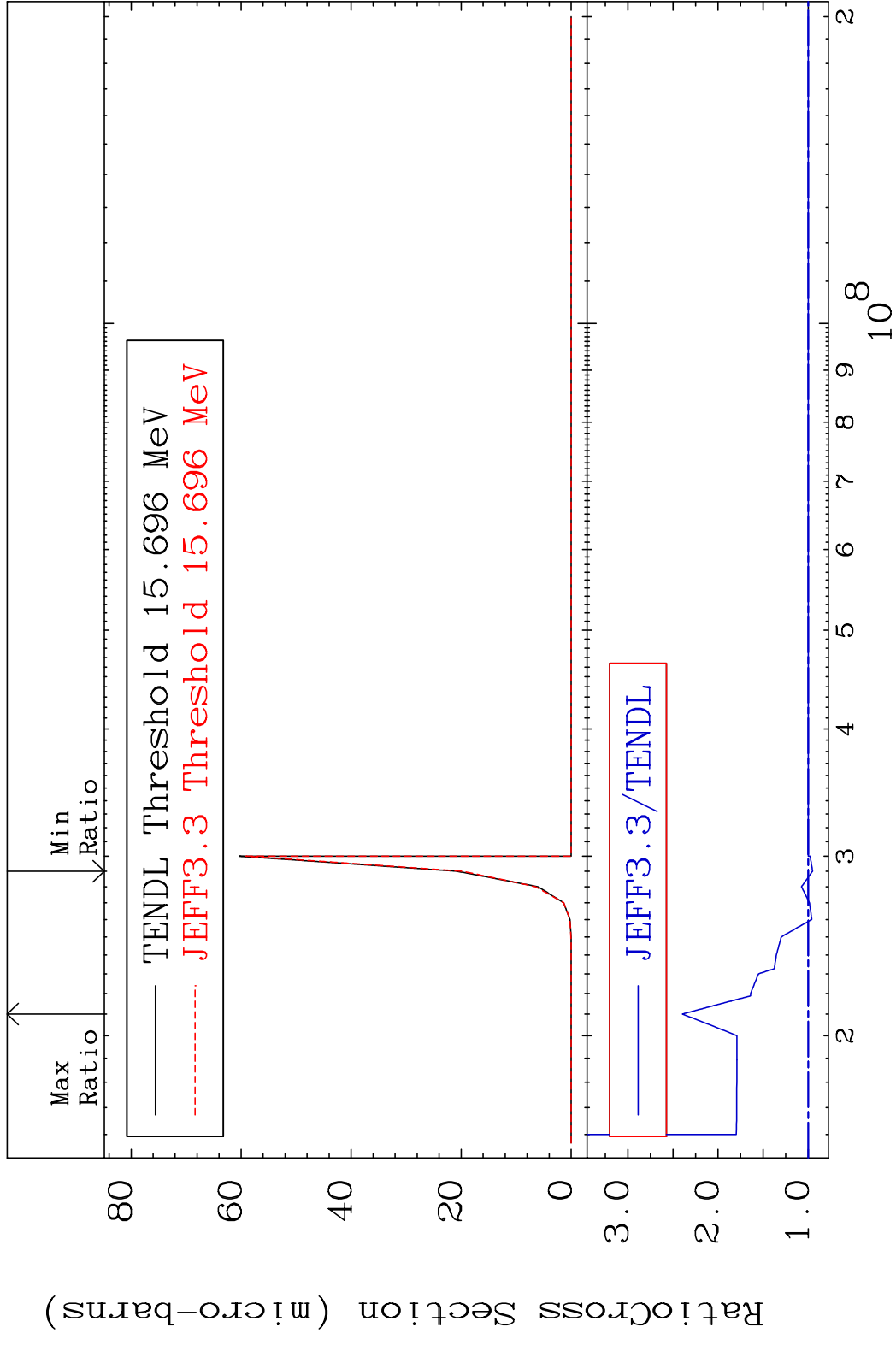
51-Sb-122

MAT 5128

(n,n') He-3

51-Sb-122

Cross Section -4.753 To 139.6 %

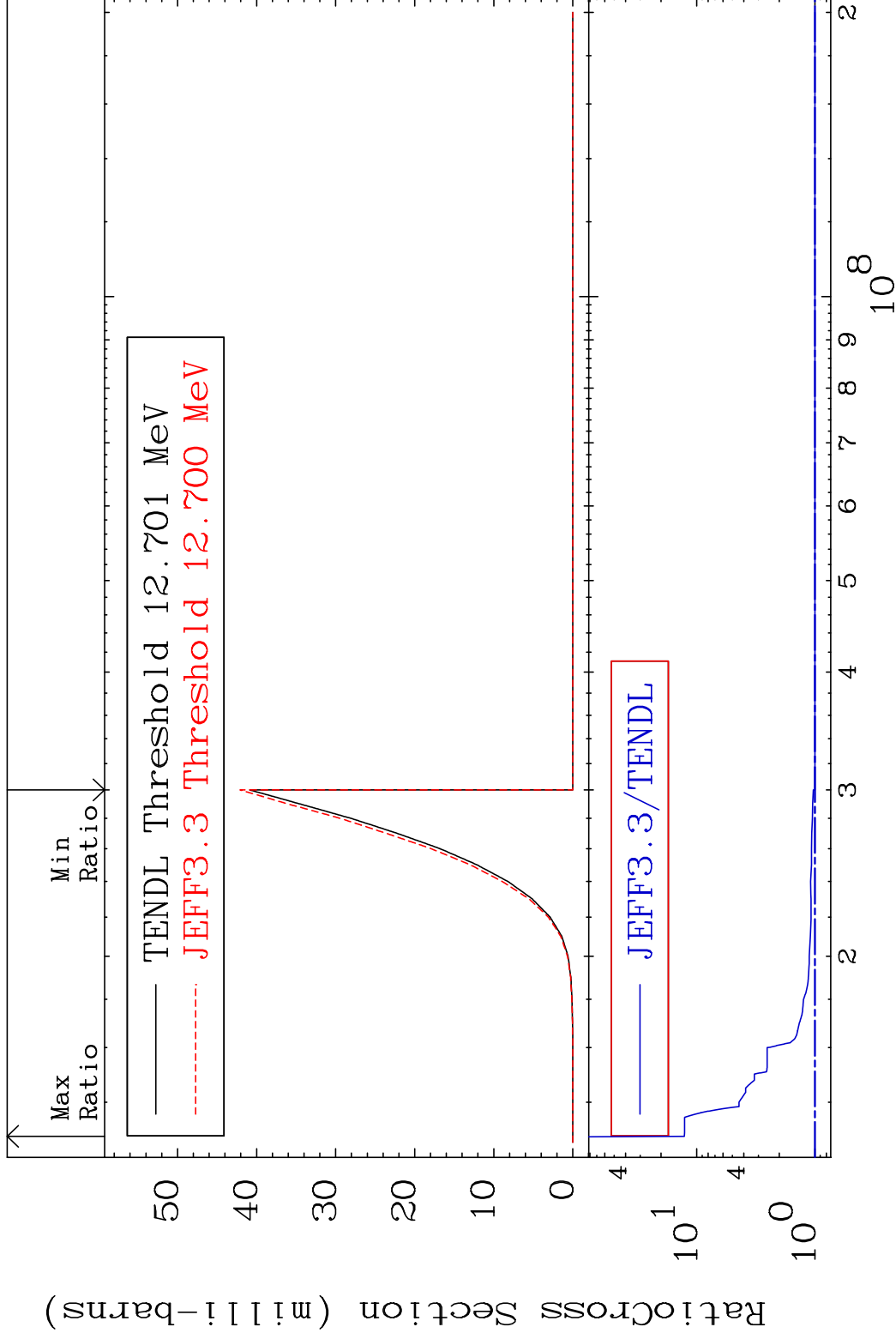


MAT 5128

(n,2n) p

51-Sb-122

Cross Section 0.000 To 1173. %



15

Incident Energy (eV)

51-Sb-122

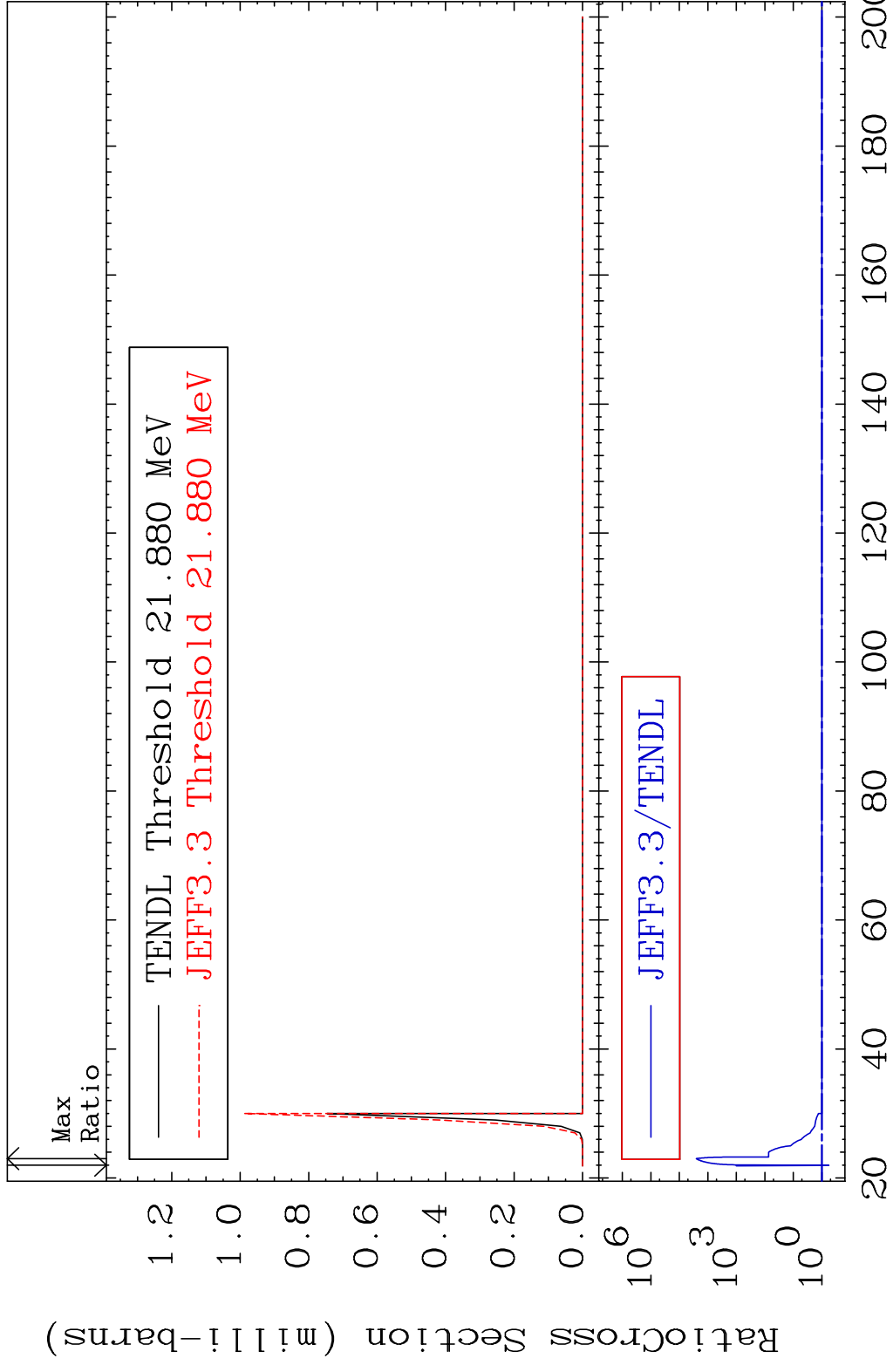
MAT 5128

(n,3n) p

51-Sb-122

Cross Section

-42.81 To 9999. %



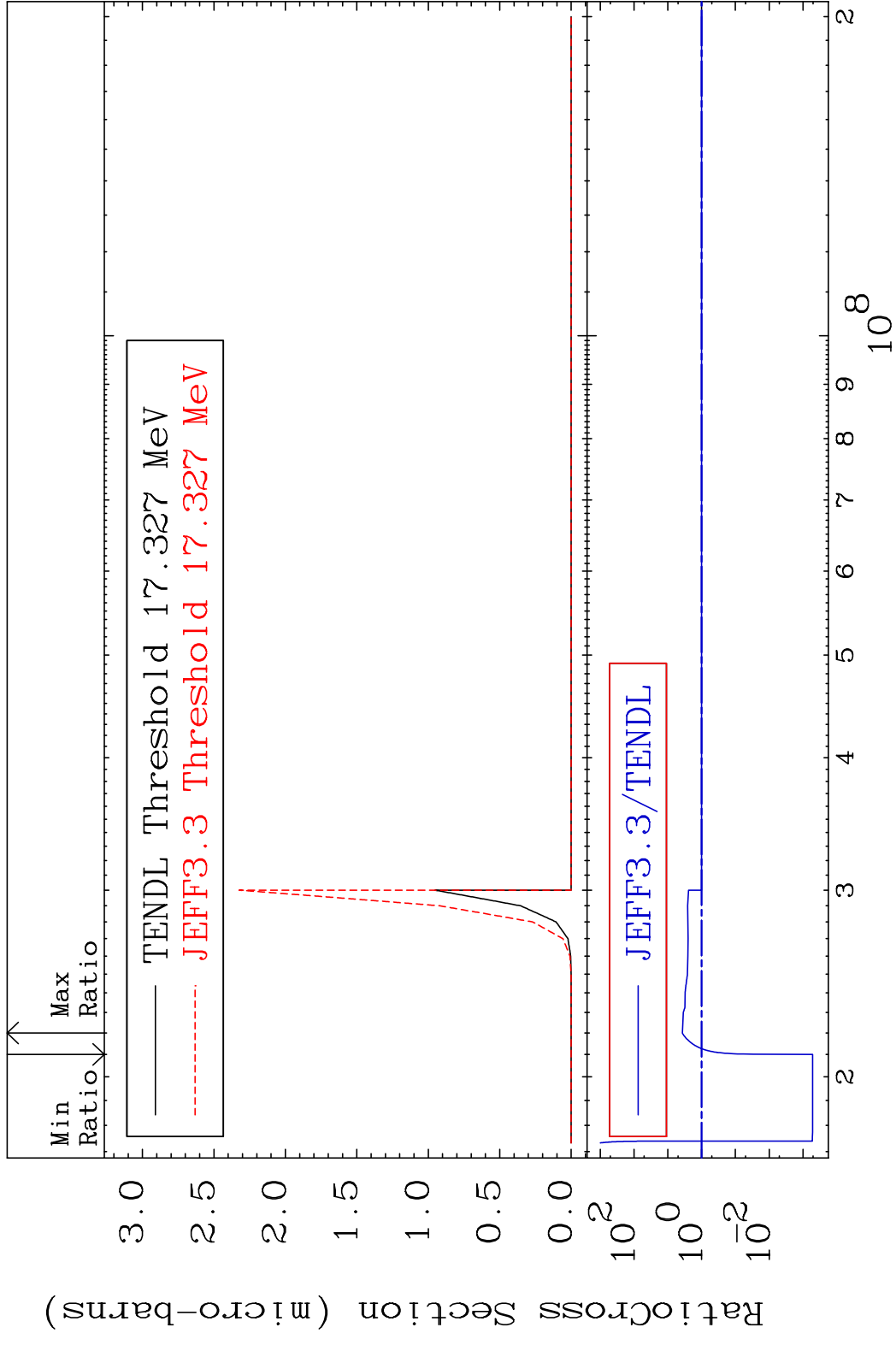
MAT 5128

(n,2n) p

51-Sb-122

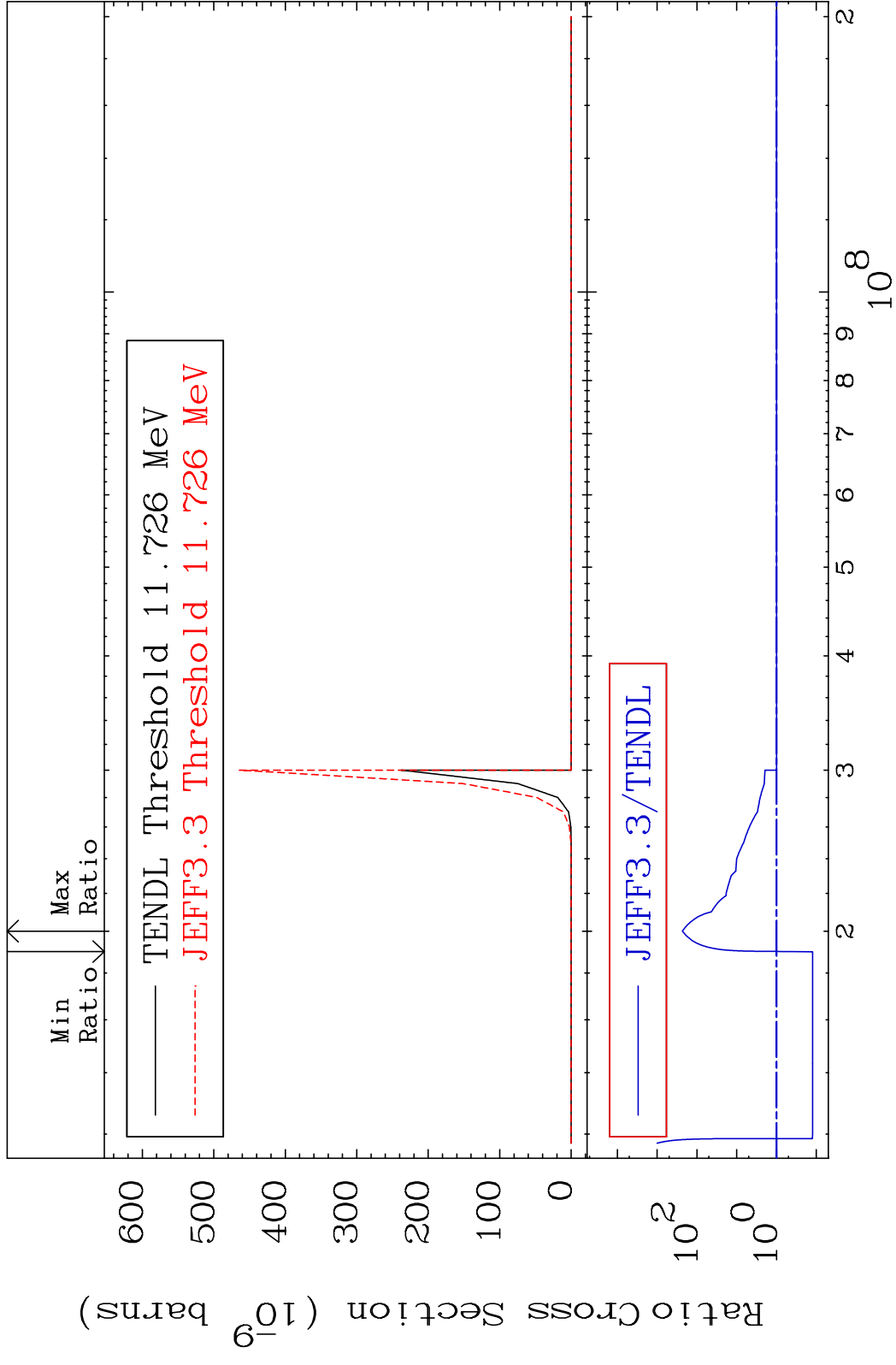
Cross Section

-99.95 To 271.3 %

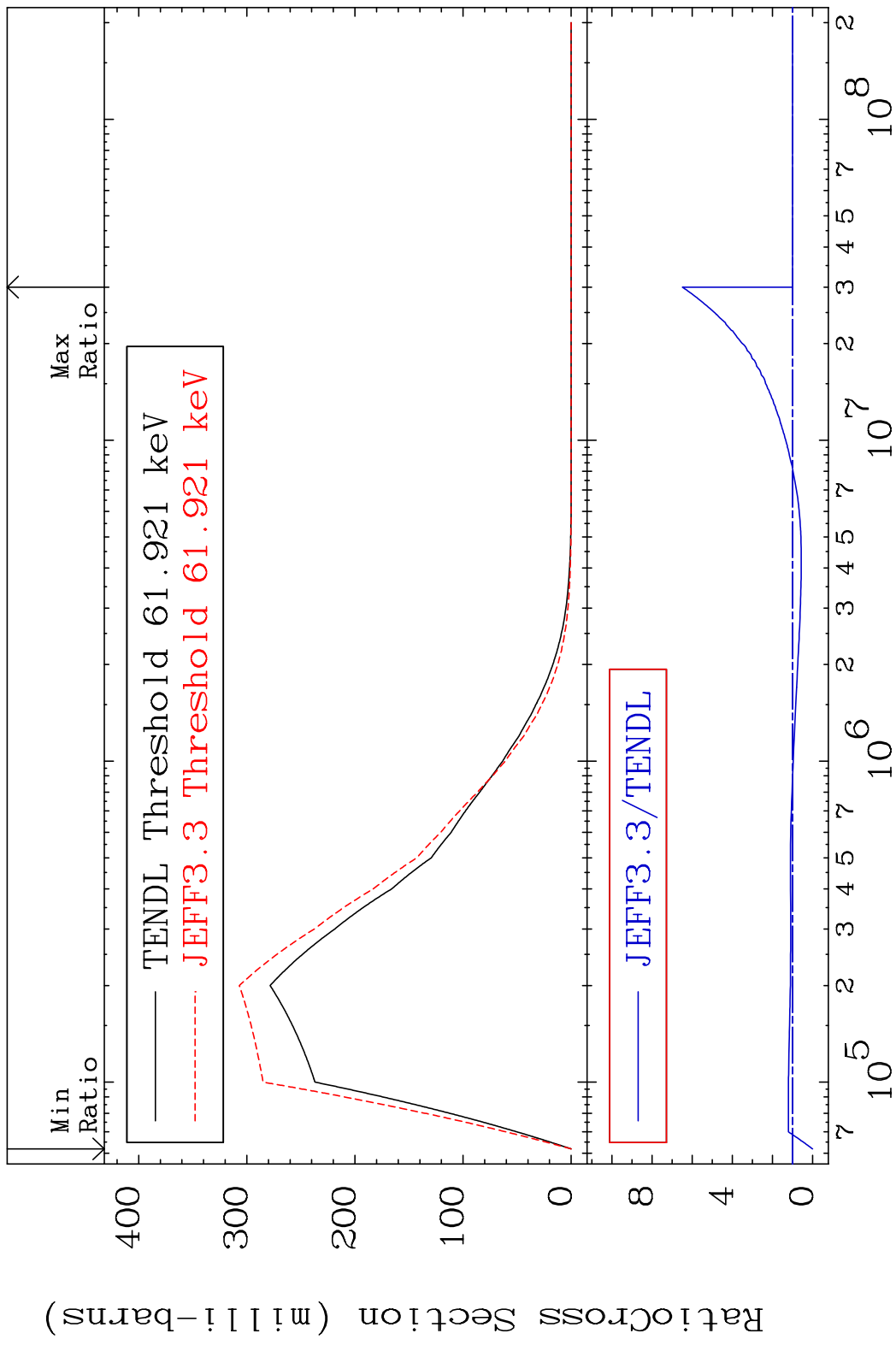


MAT 5128

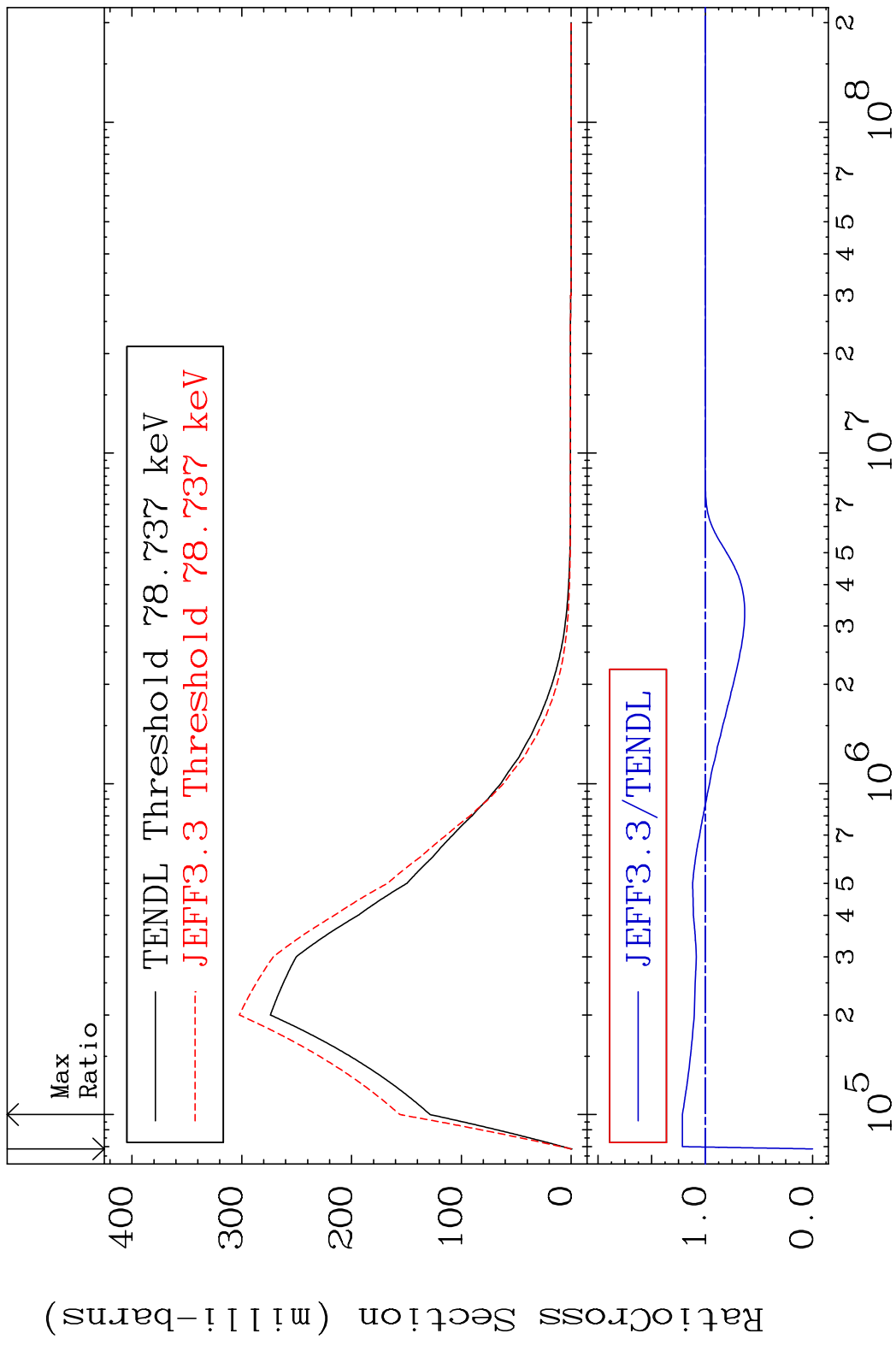
(n,n') p α 51-Sb-122
Cross Section -87.61 To 9999. %



MAT 5128 MT= 51 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 549.0 %

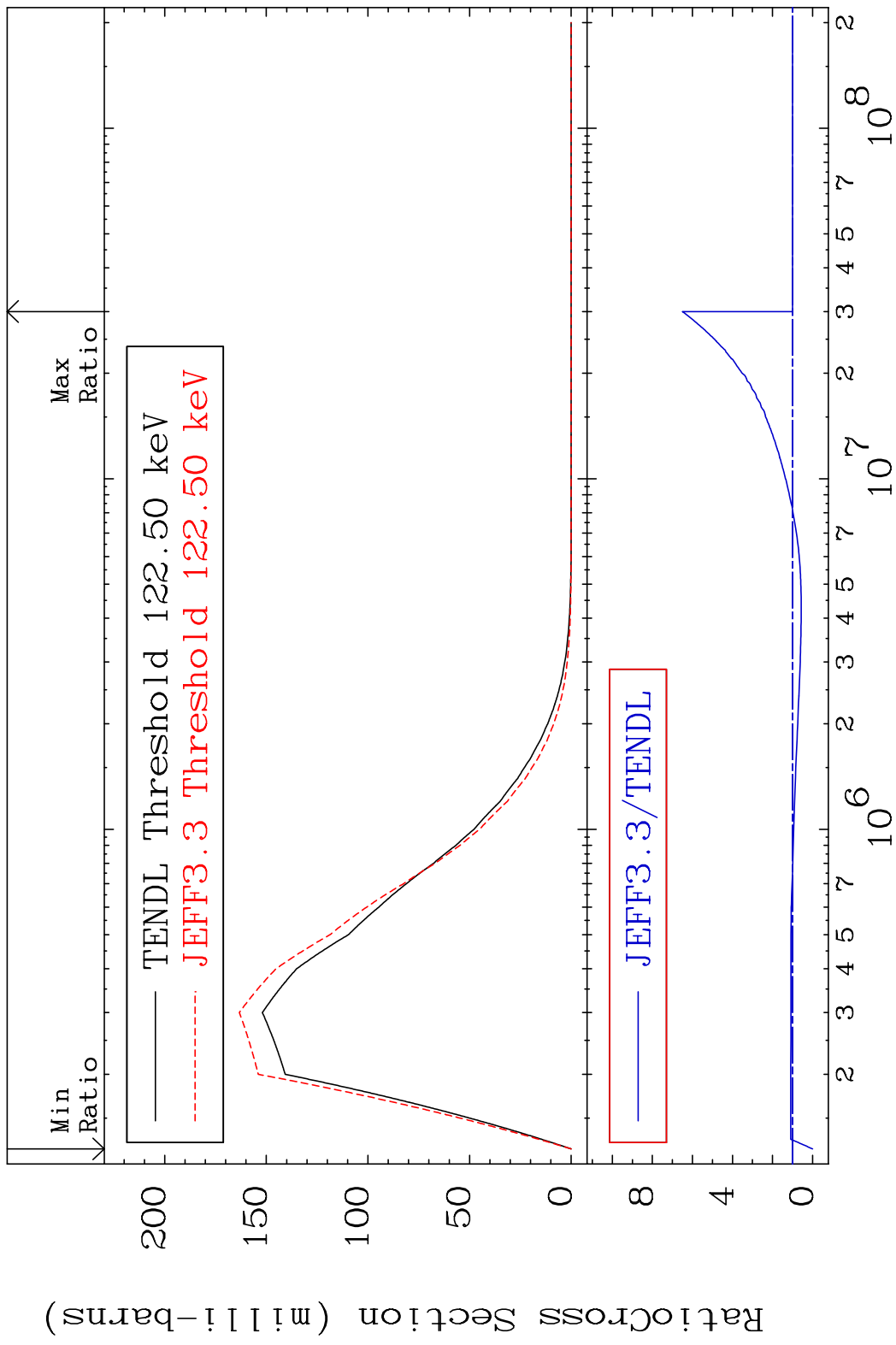


MAT 5128 MT= 52 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 21.41 %

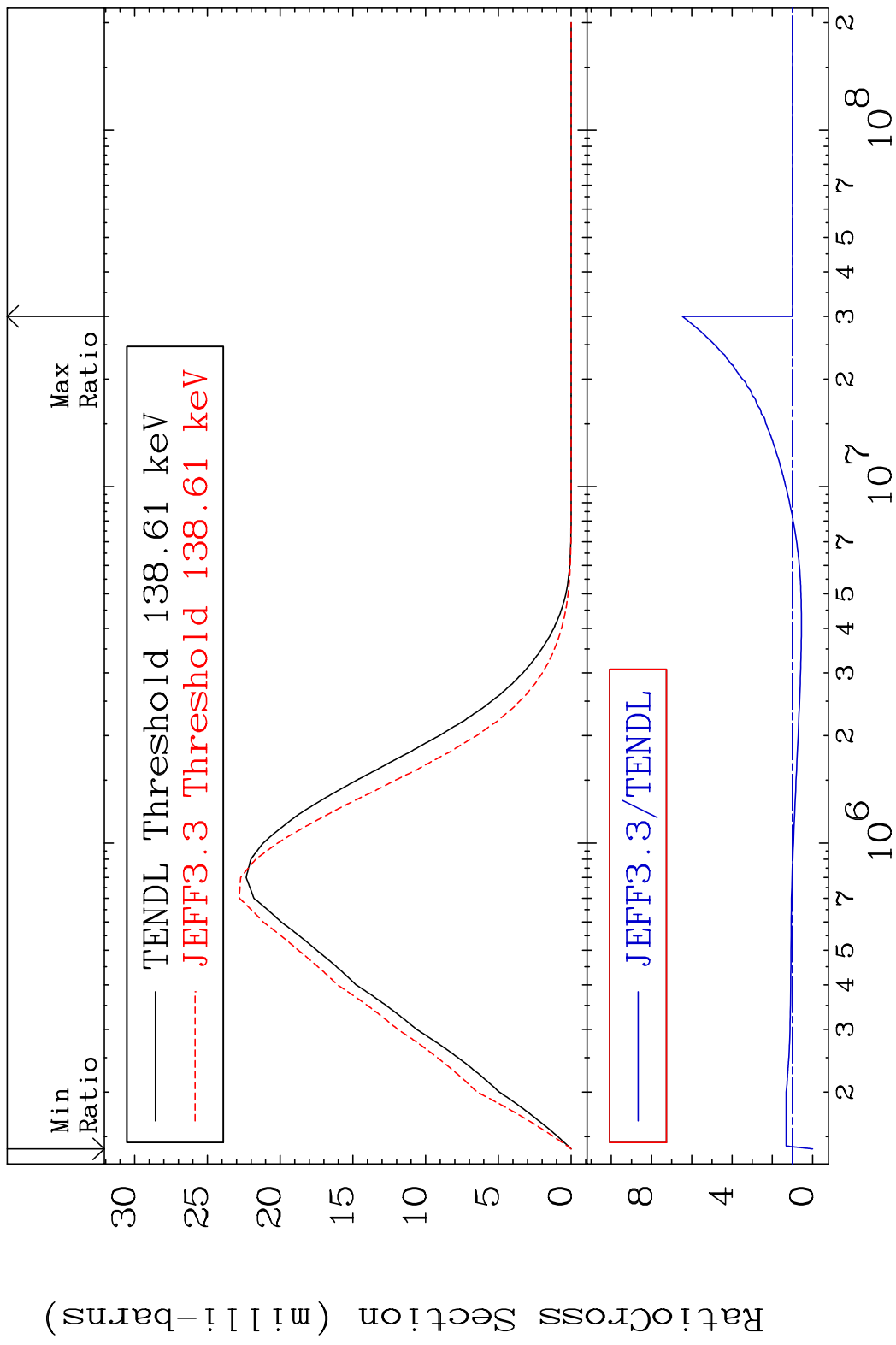


20 51-Sb-122

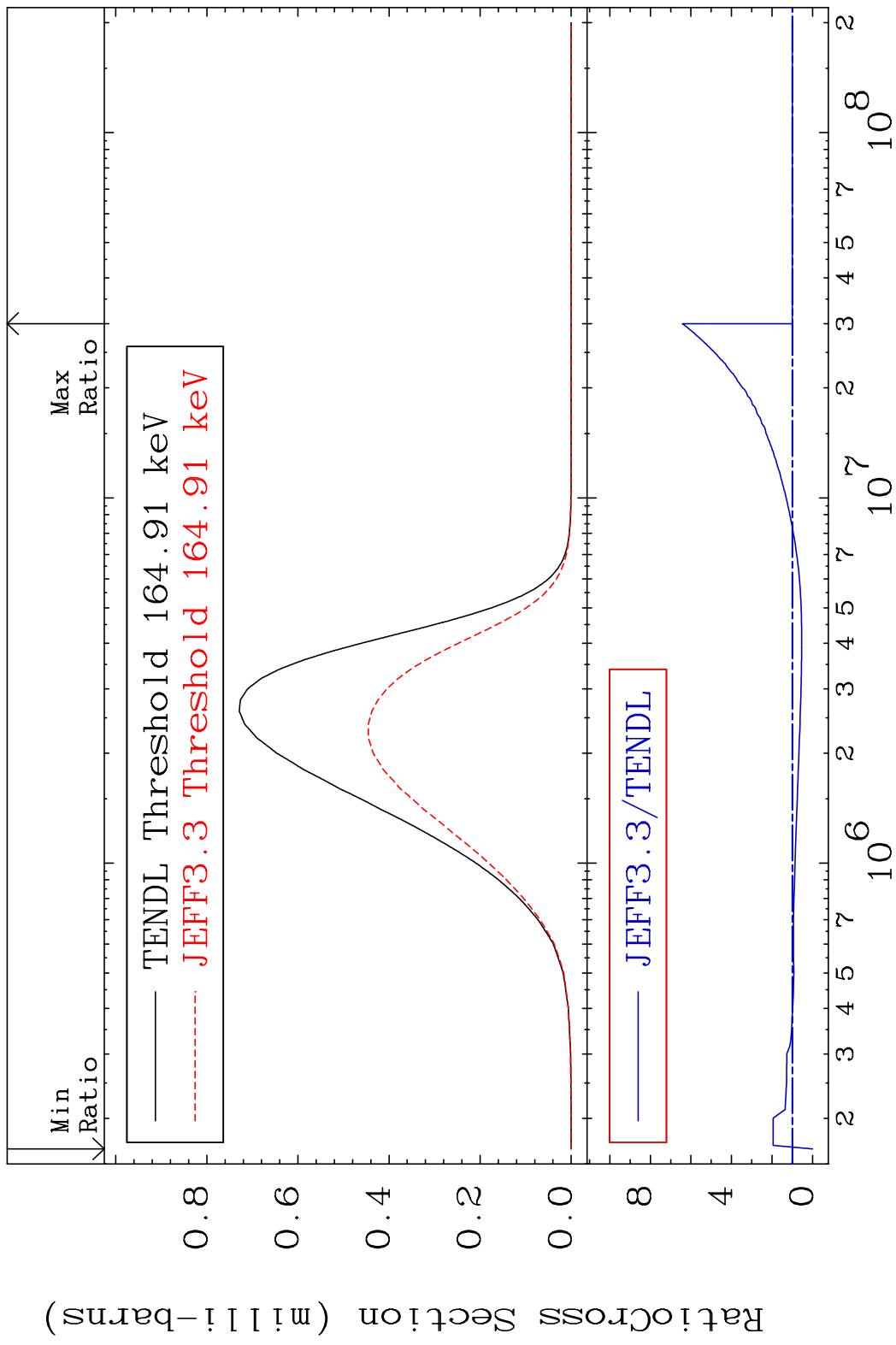
MAT 5128 MT= 53 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 550.3 %



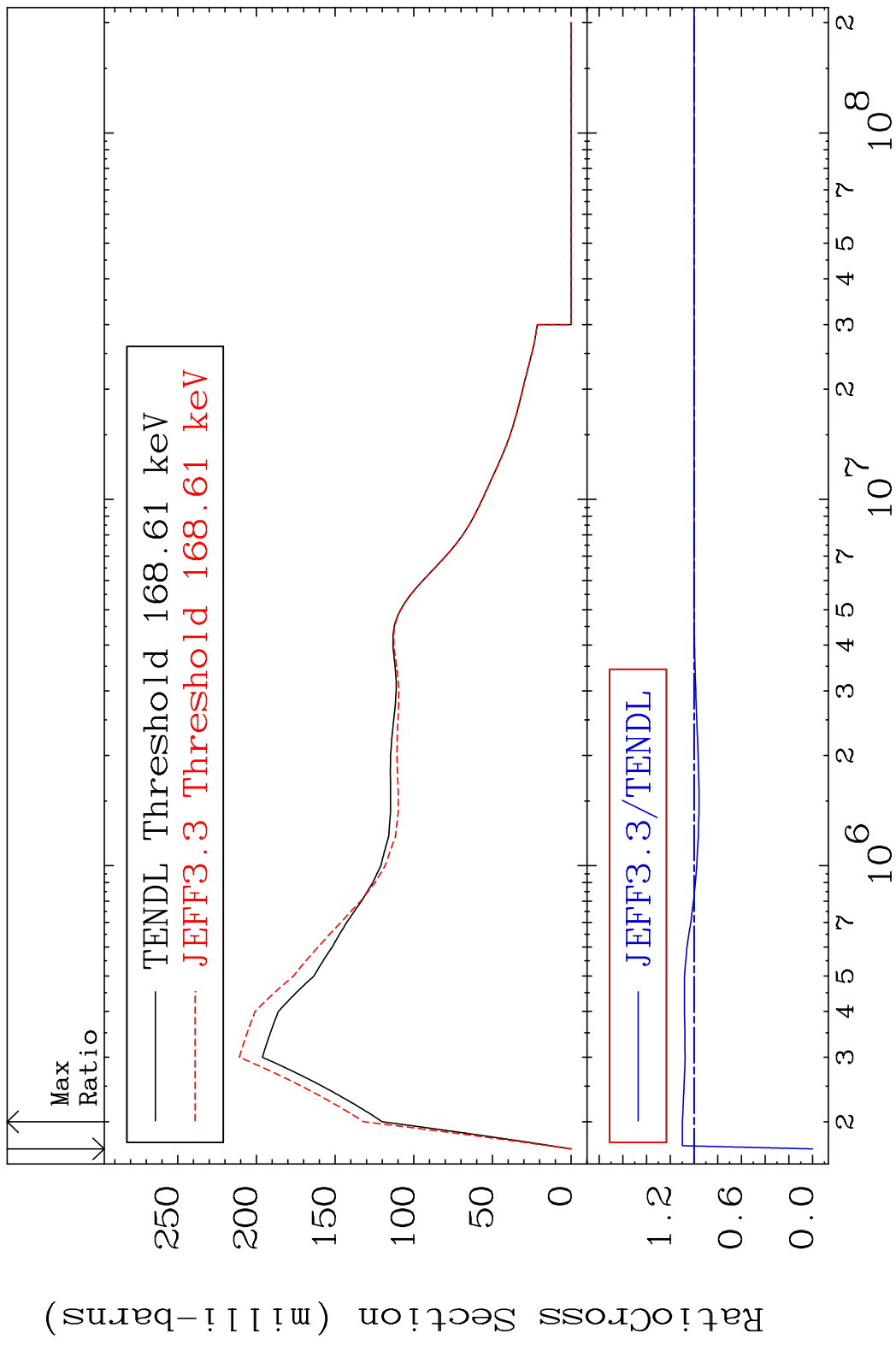
MAT 5128 MT= 54 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 547.0 %



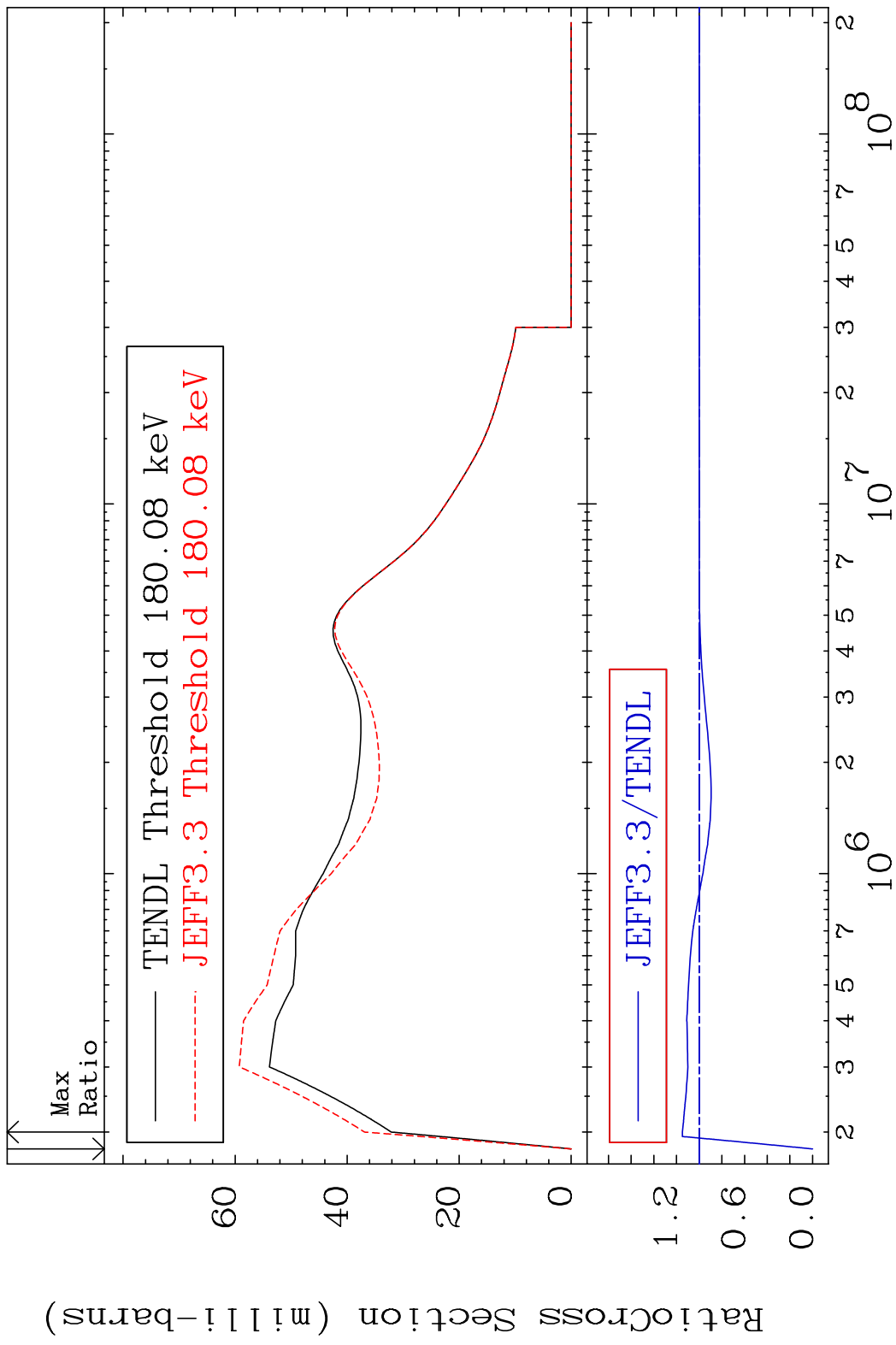
MAT 5128 MT= 55 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 542.3 %



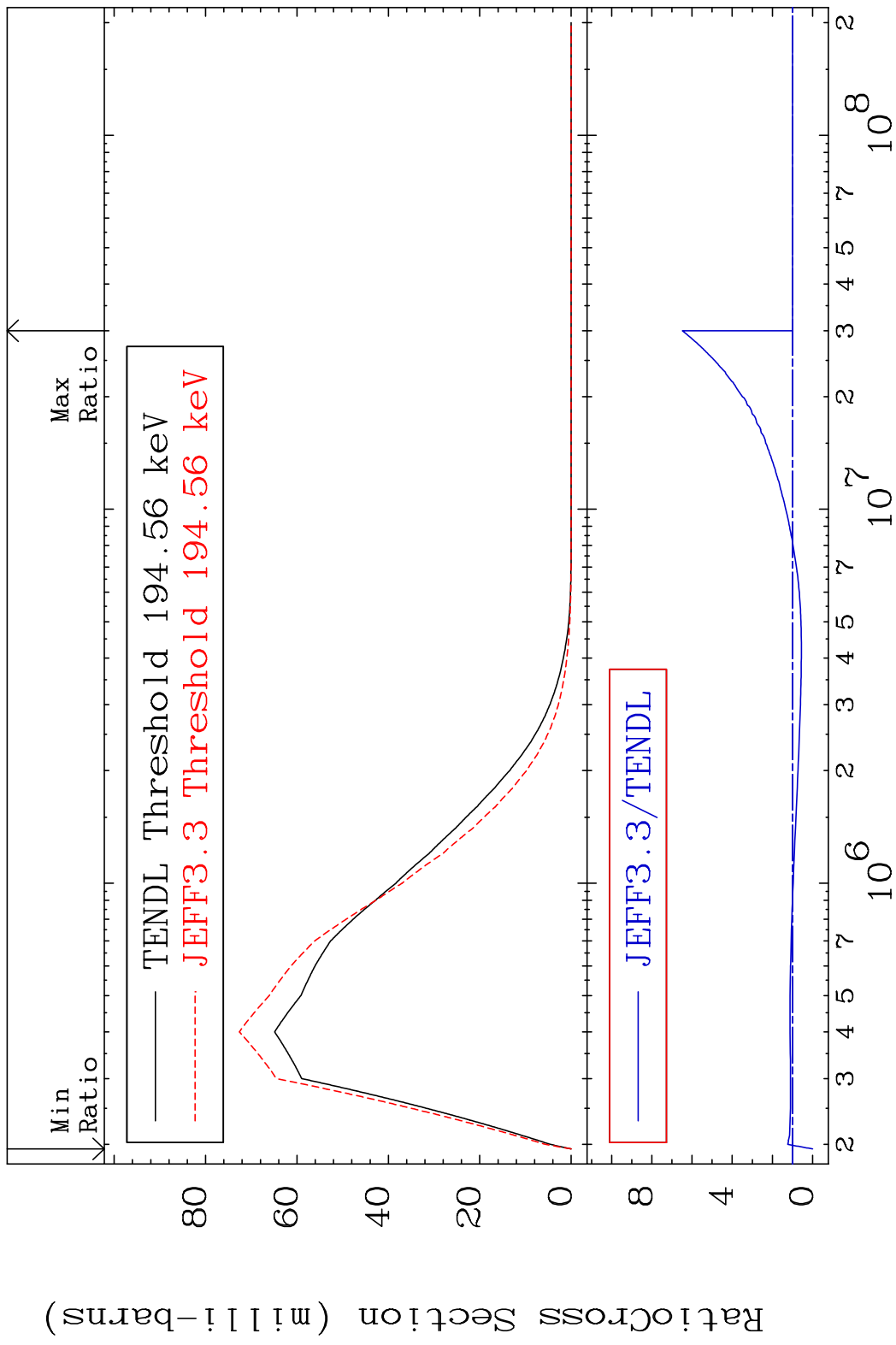
MAT 5128 MT= 56 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9.772 %



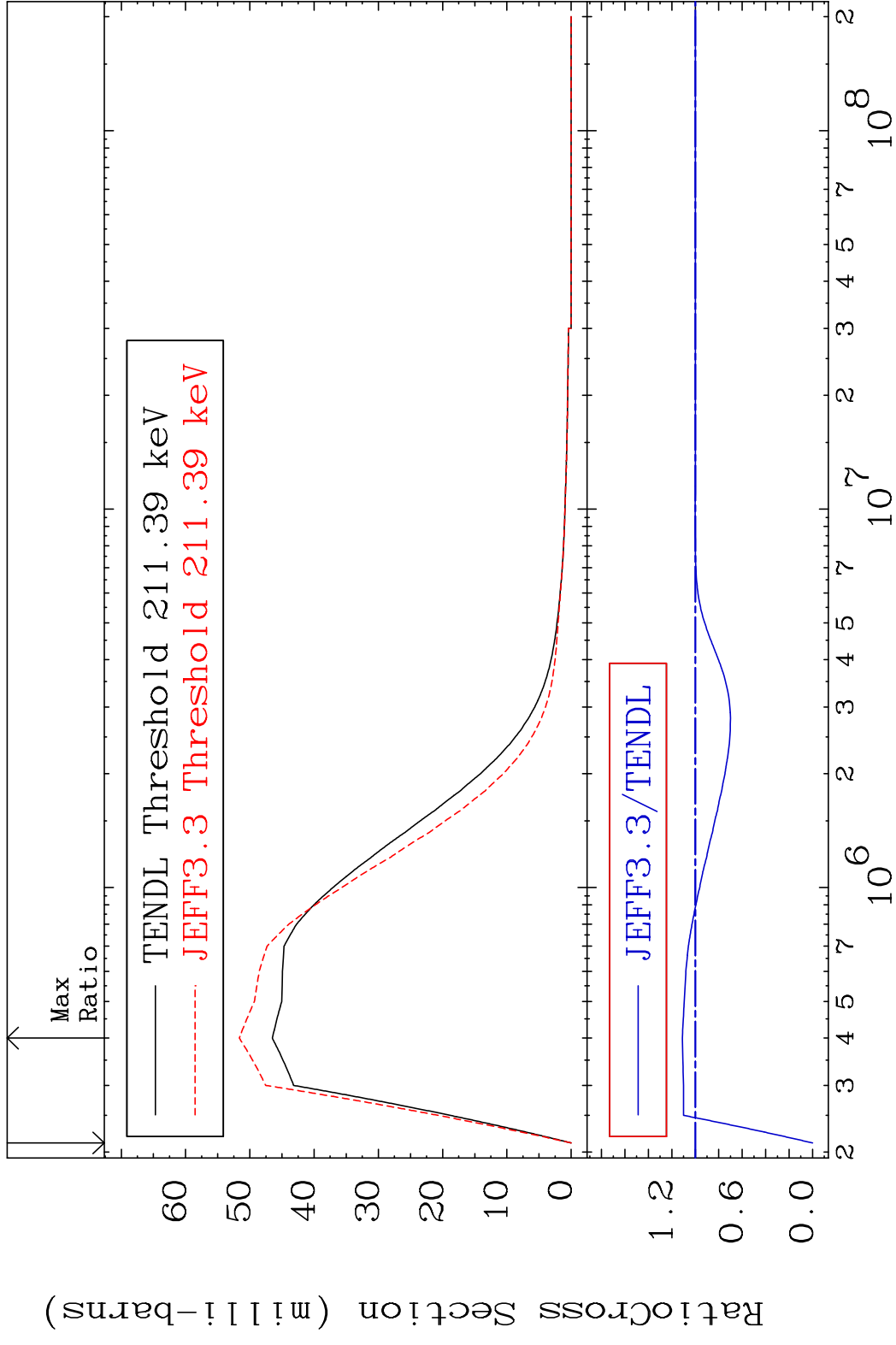
MAT 5128 MT= 57 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 14.85 %



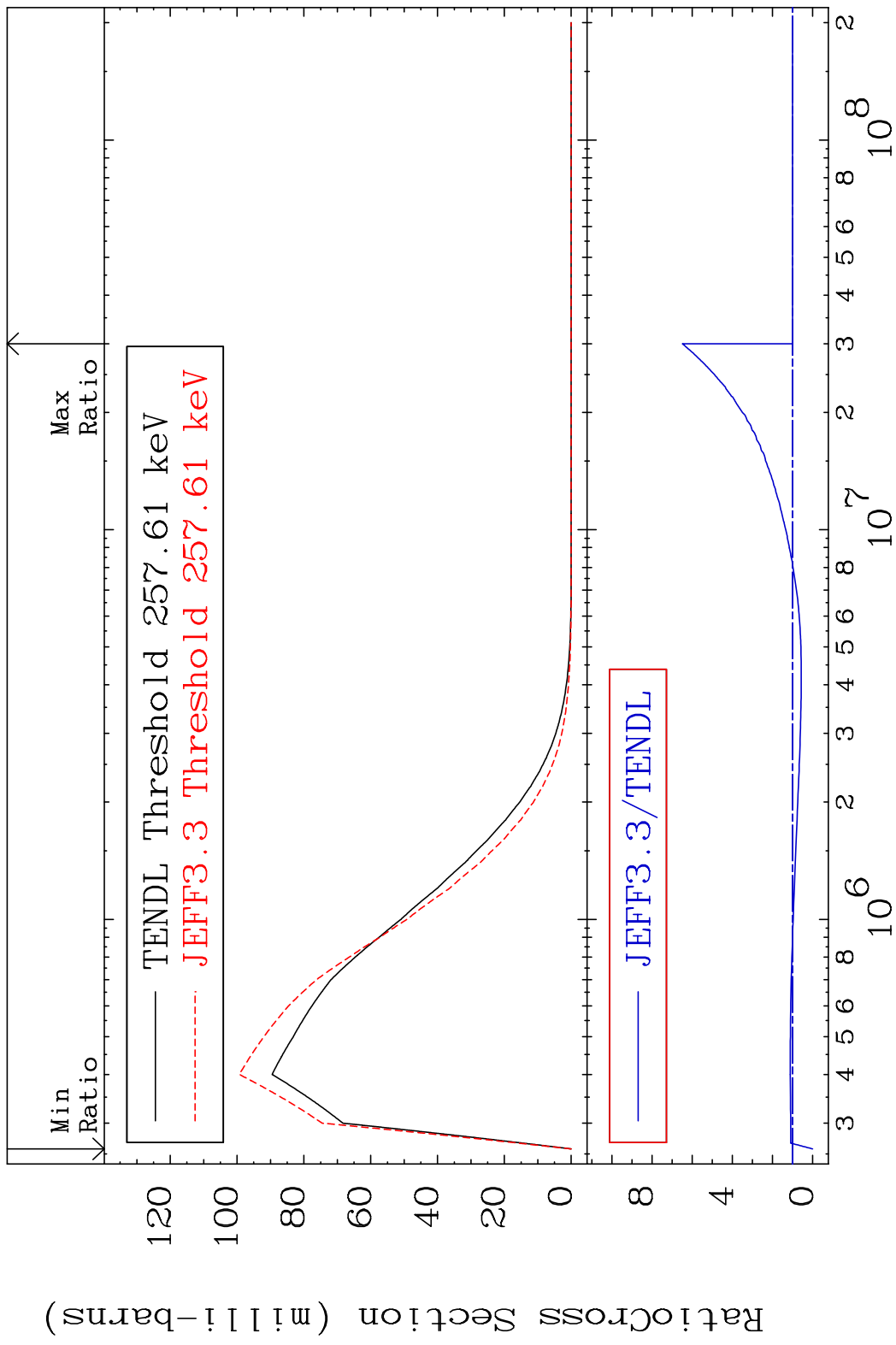
MAT 5128 MT= 58 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 548.1 %



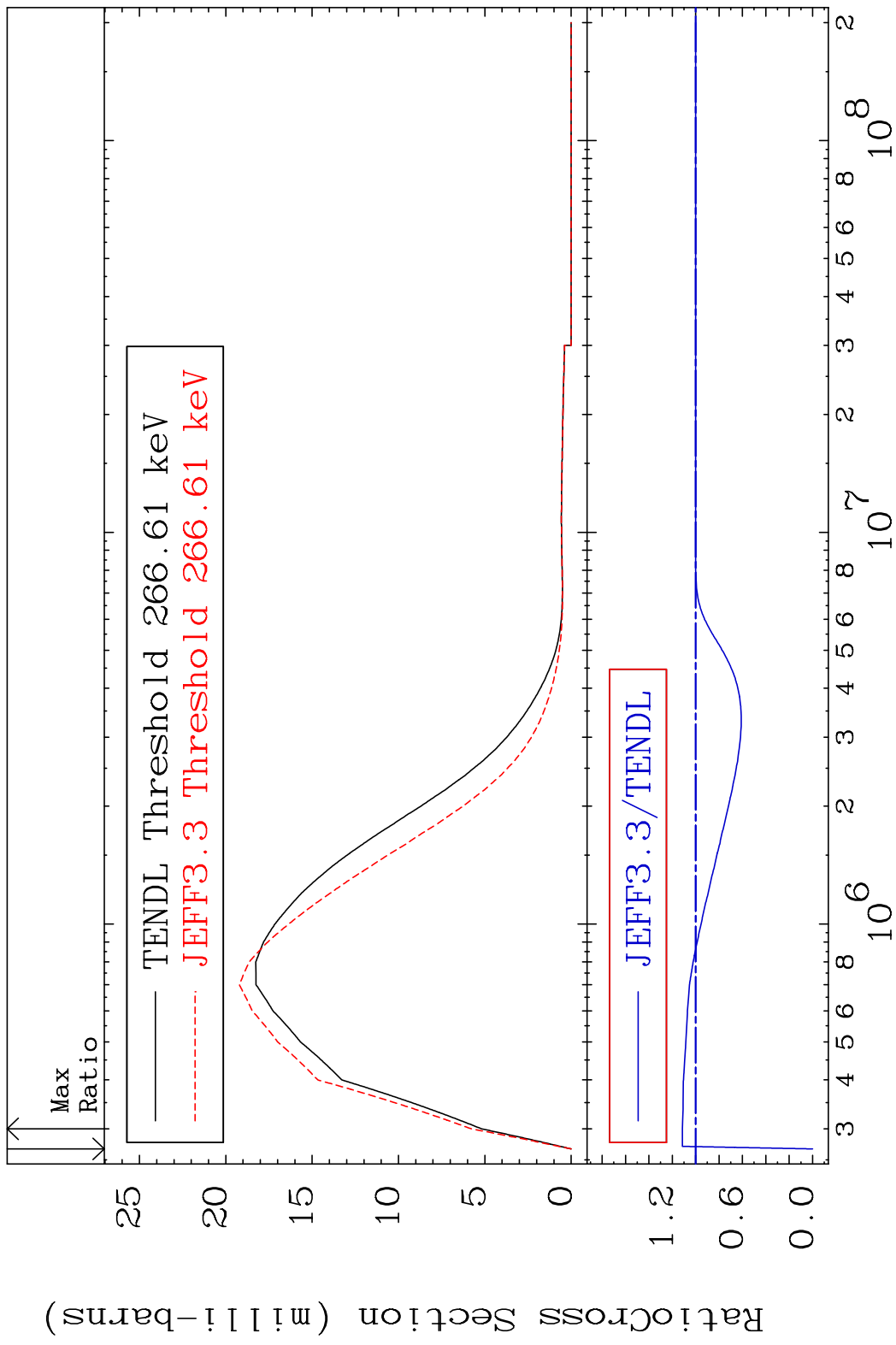
MAT 5128 MT= 59 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 11.03 %



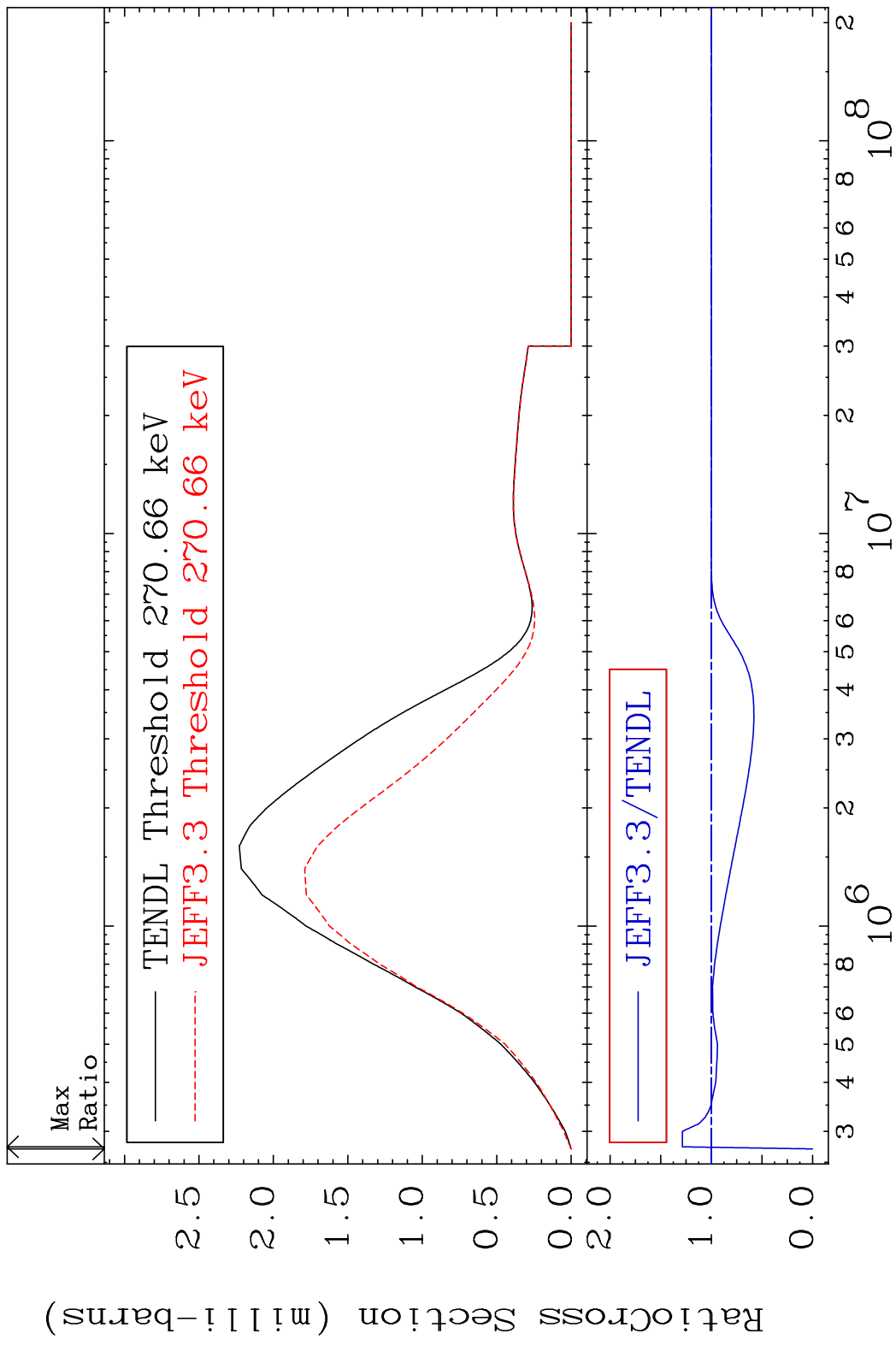
MAT 5128 MT= 60 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 549.0 %



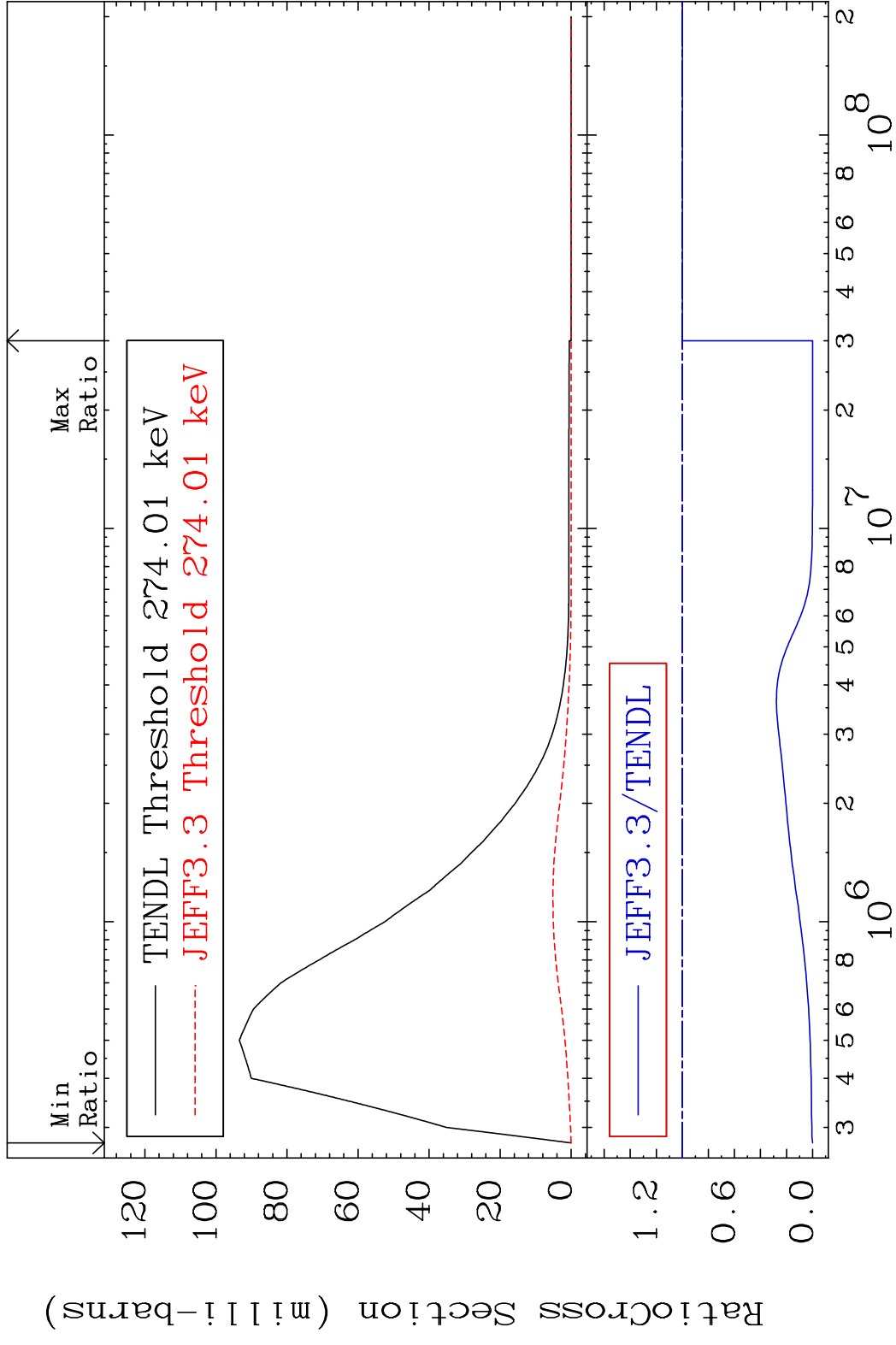
MAT 5128 MT= 61 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 11.37 %



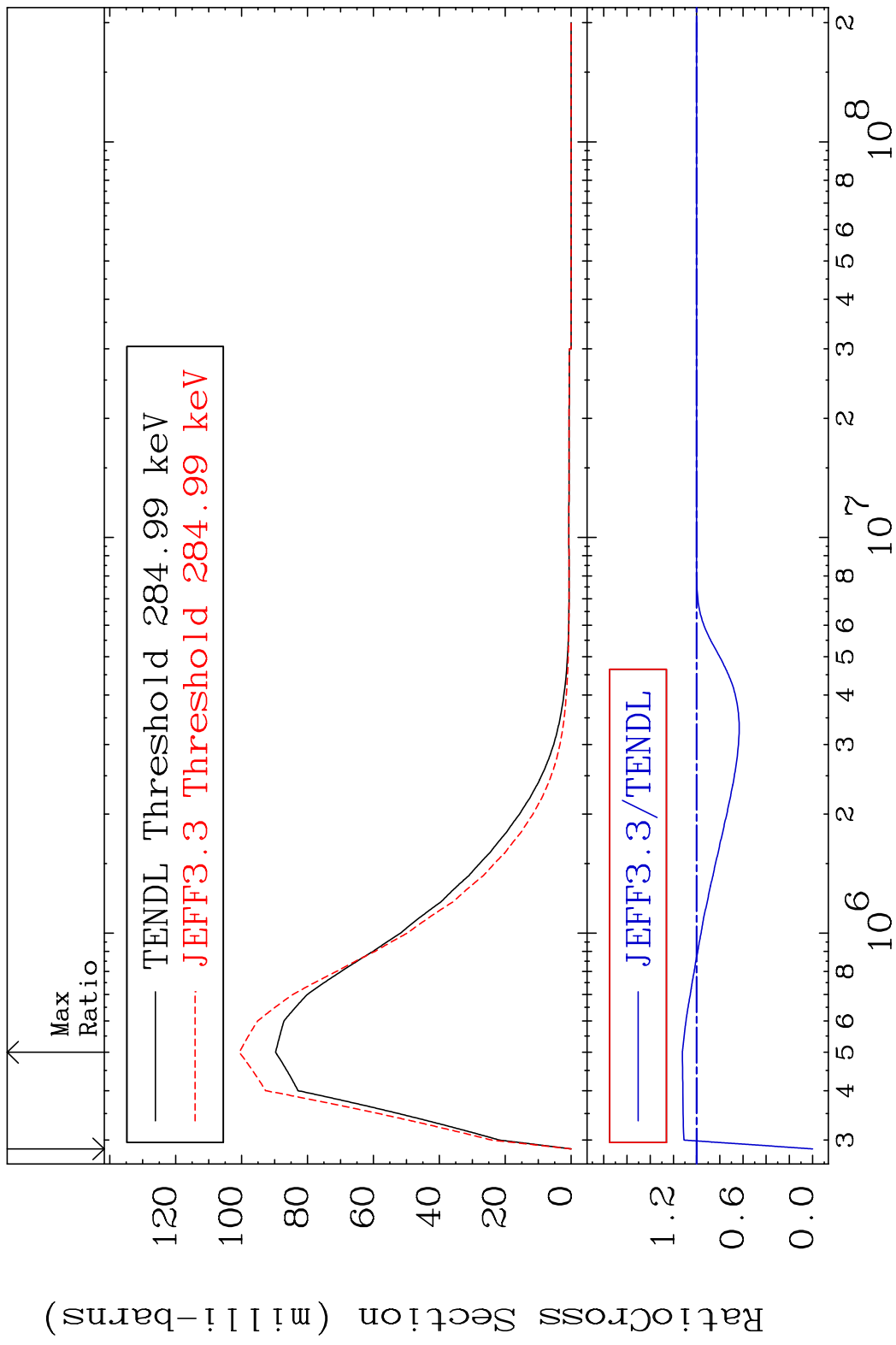
MAT 5128 MT= 62 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 28.60 %



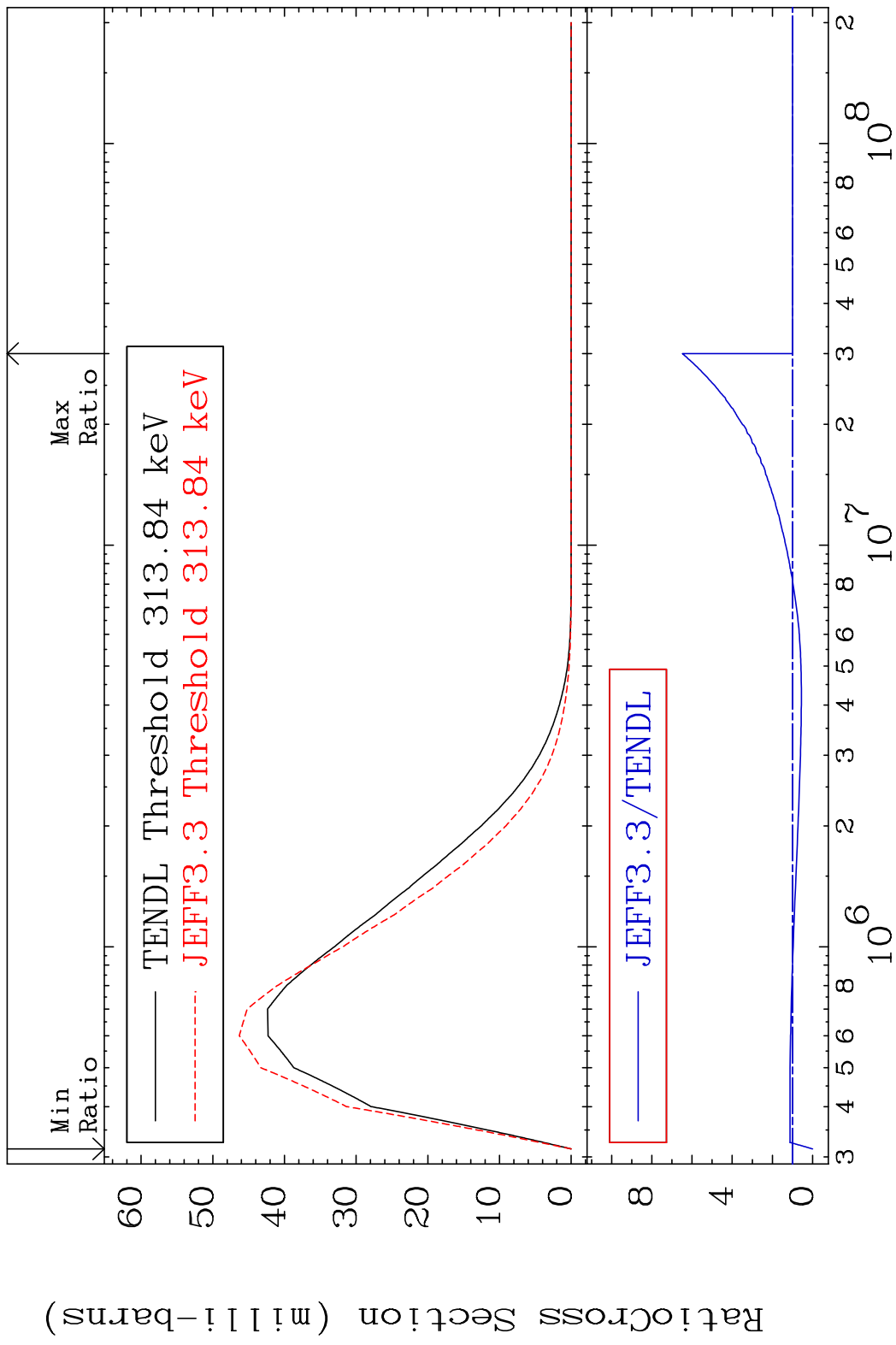
MAT 5128 MT= 63 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 0.000 %



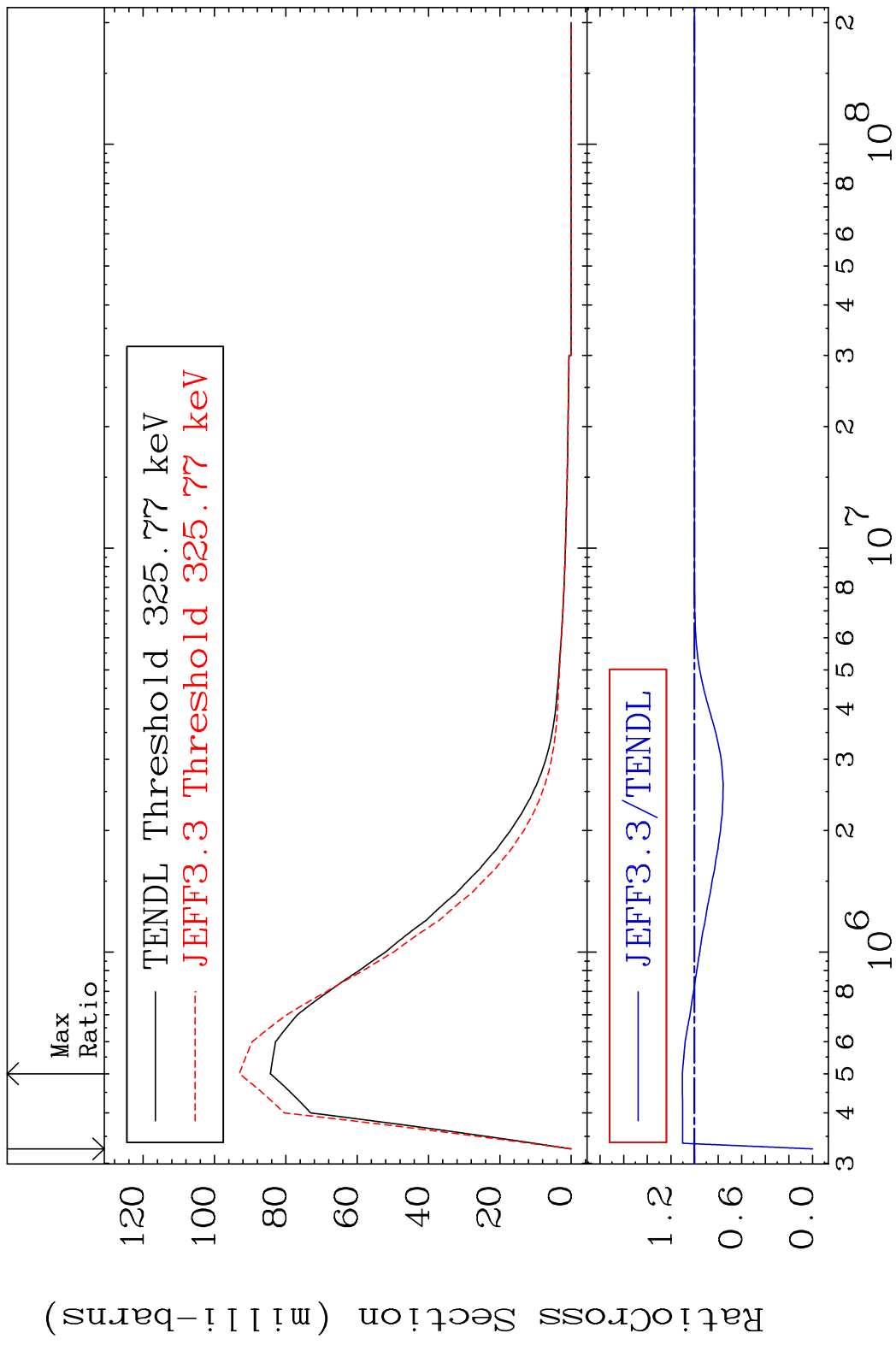
MAT 5128 MT= 64 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 12.27 %



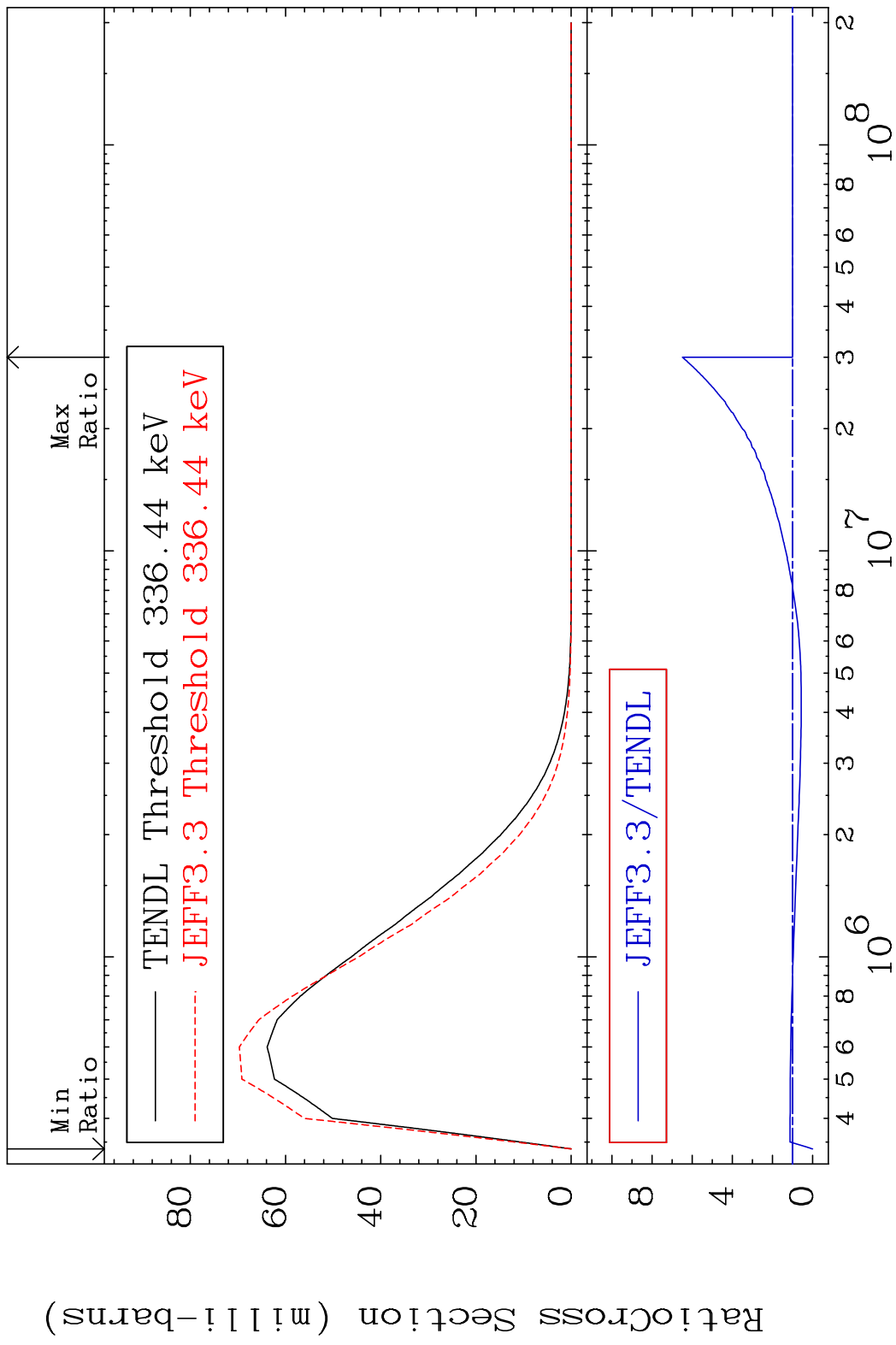
MAT 5128 MT= 65 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 548.1 %



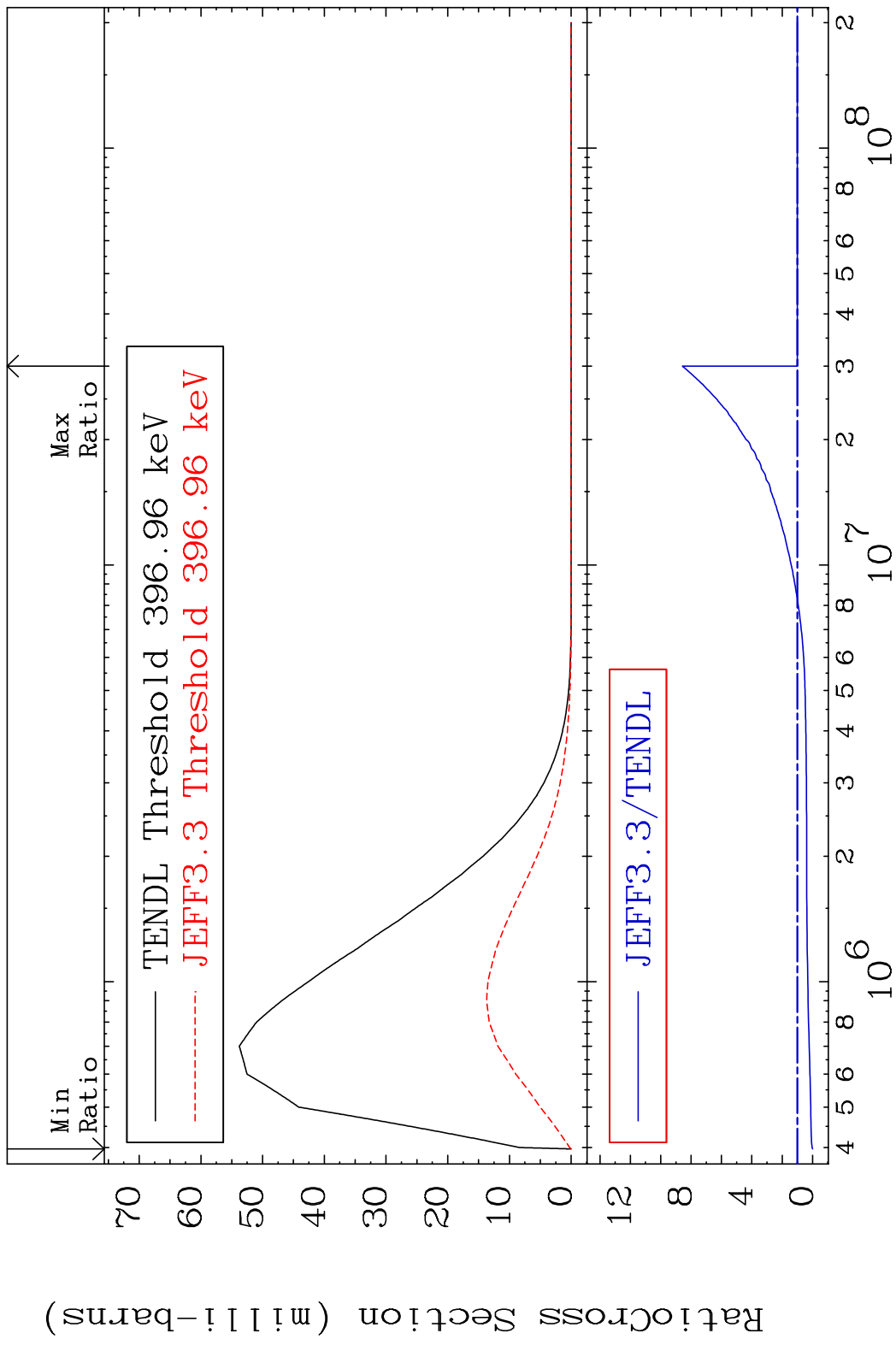
MAT 5128 MT= 66 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 10.32 %



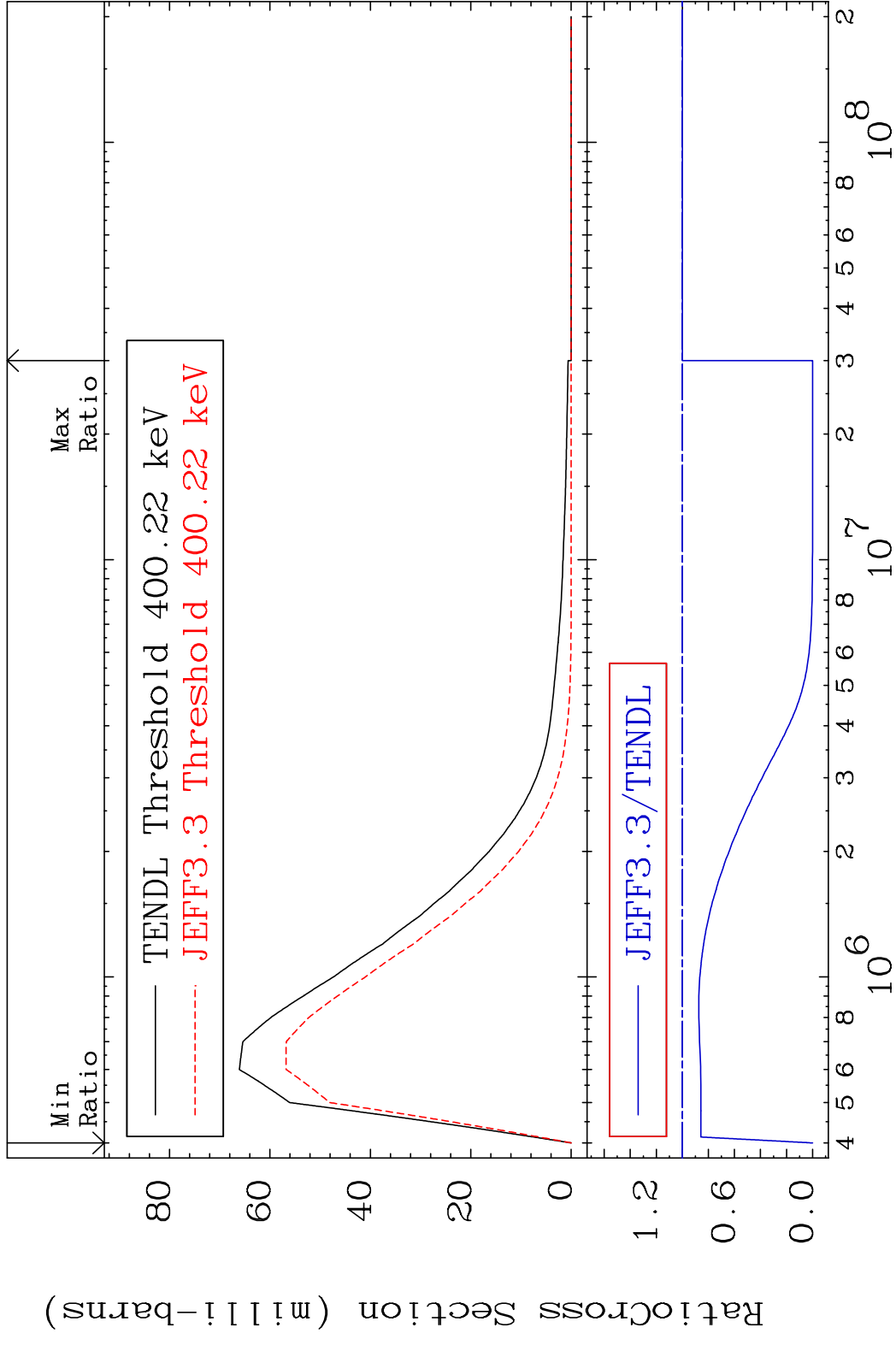
MAT 5128 MT= 67 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 549.1 %



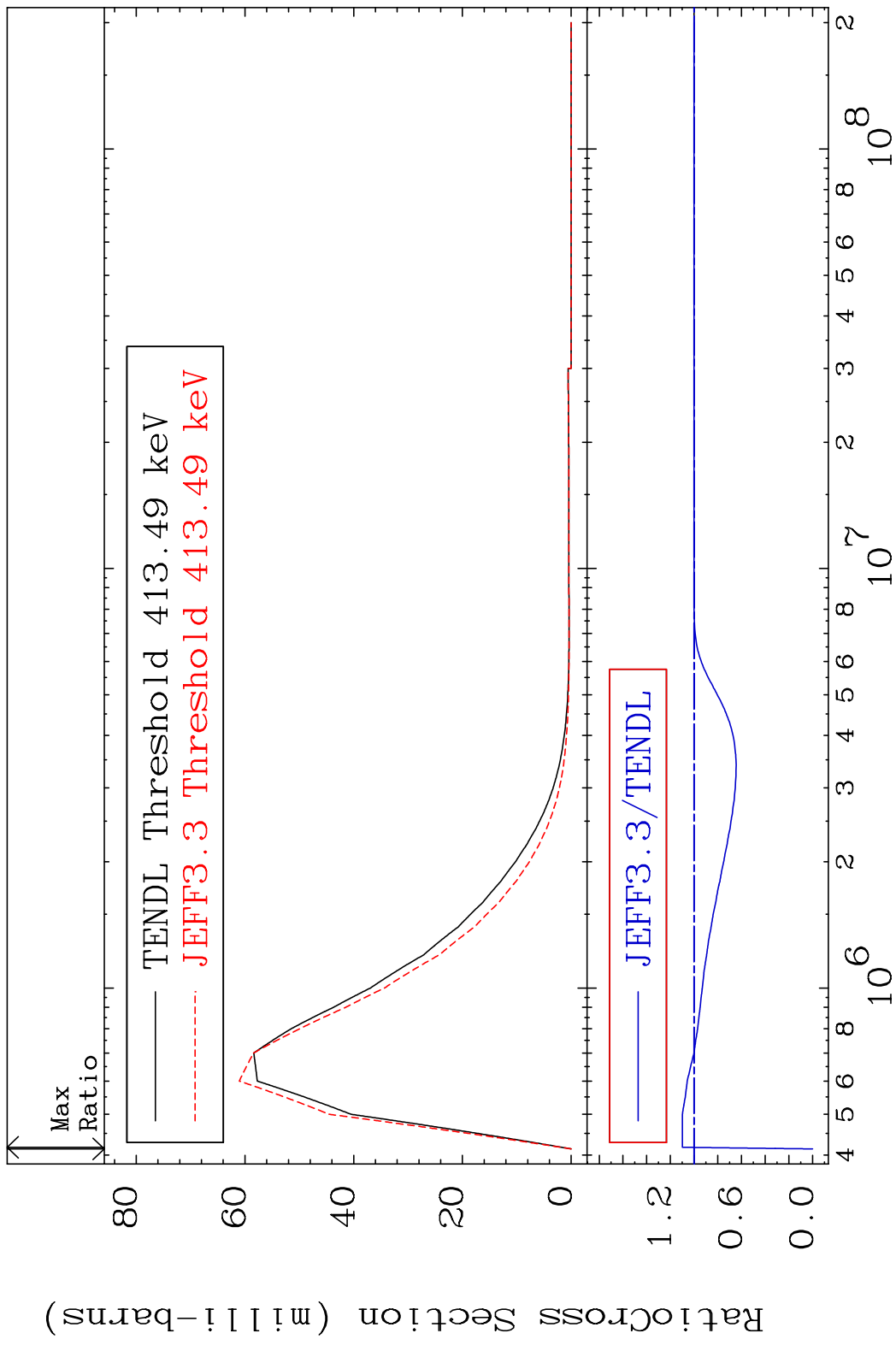
MAT 5128 MT= 68 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 757.6 %



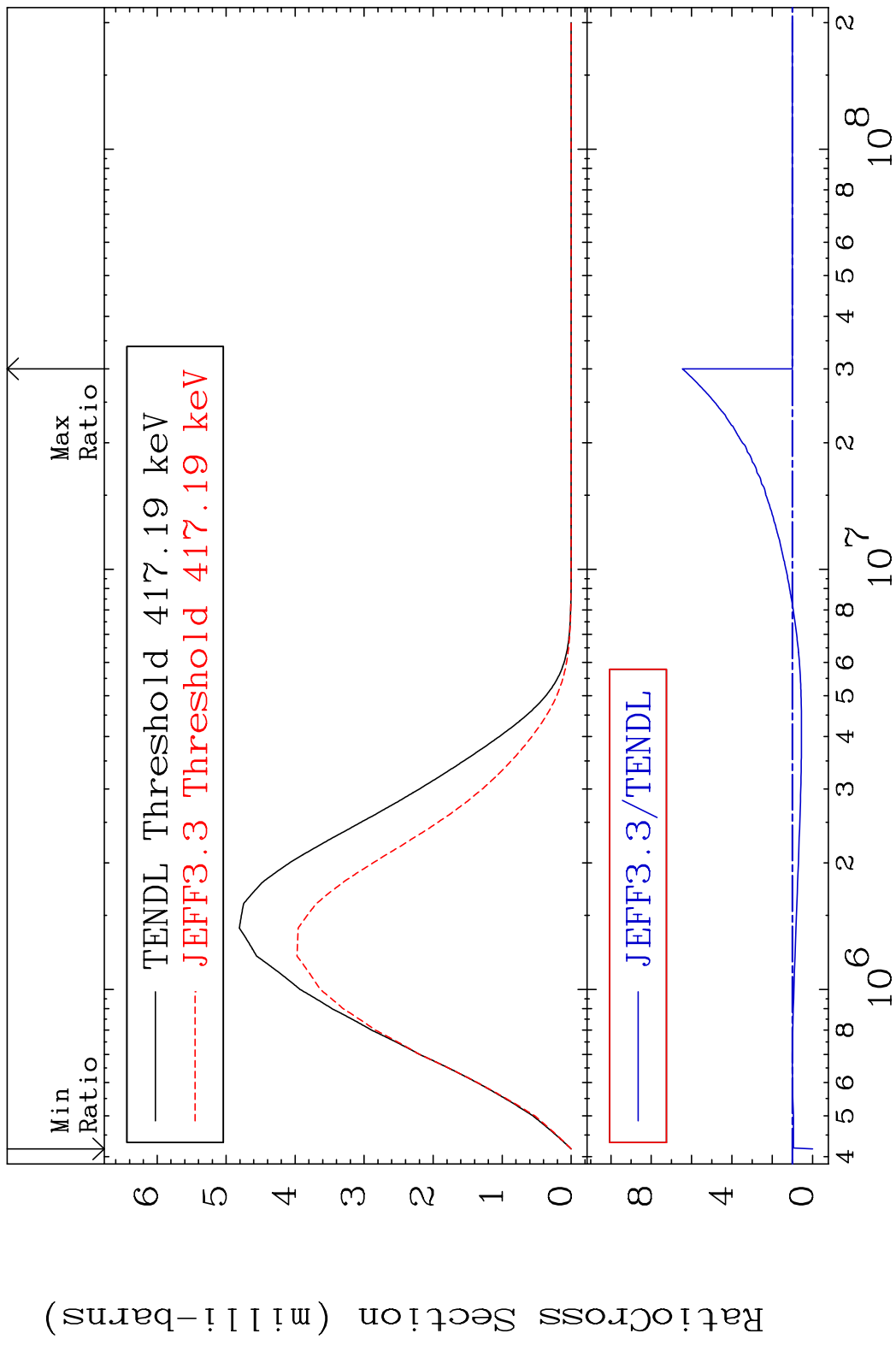
MAT 5128 MT= 69 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 0.000 %



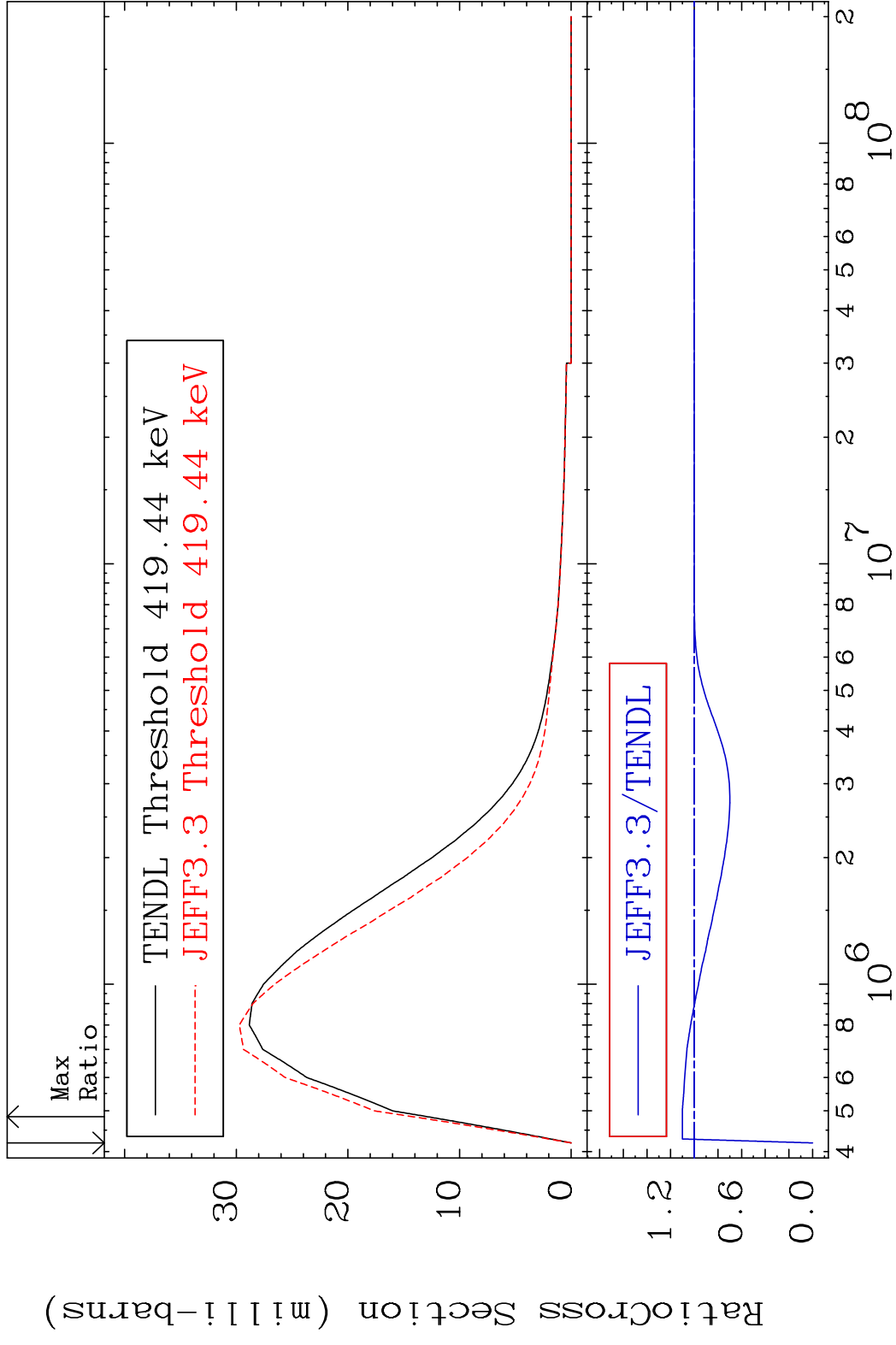
MAT 5128 MT= 70 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9.883 %



MAT 5128 MT= 71 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 545.7 %

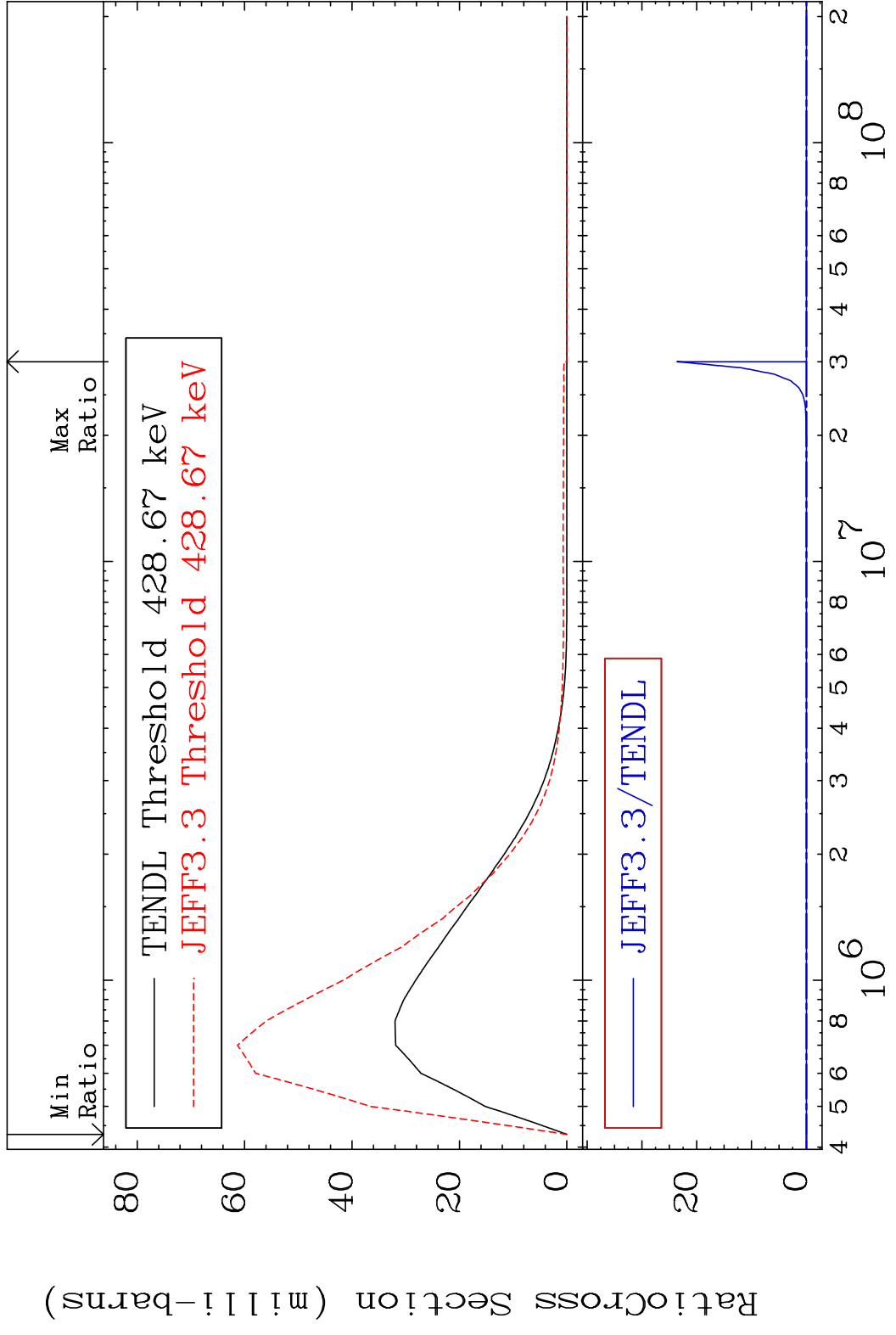


MAT 5128 MT= 72 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 10.08 %

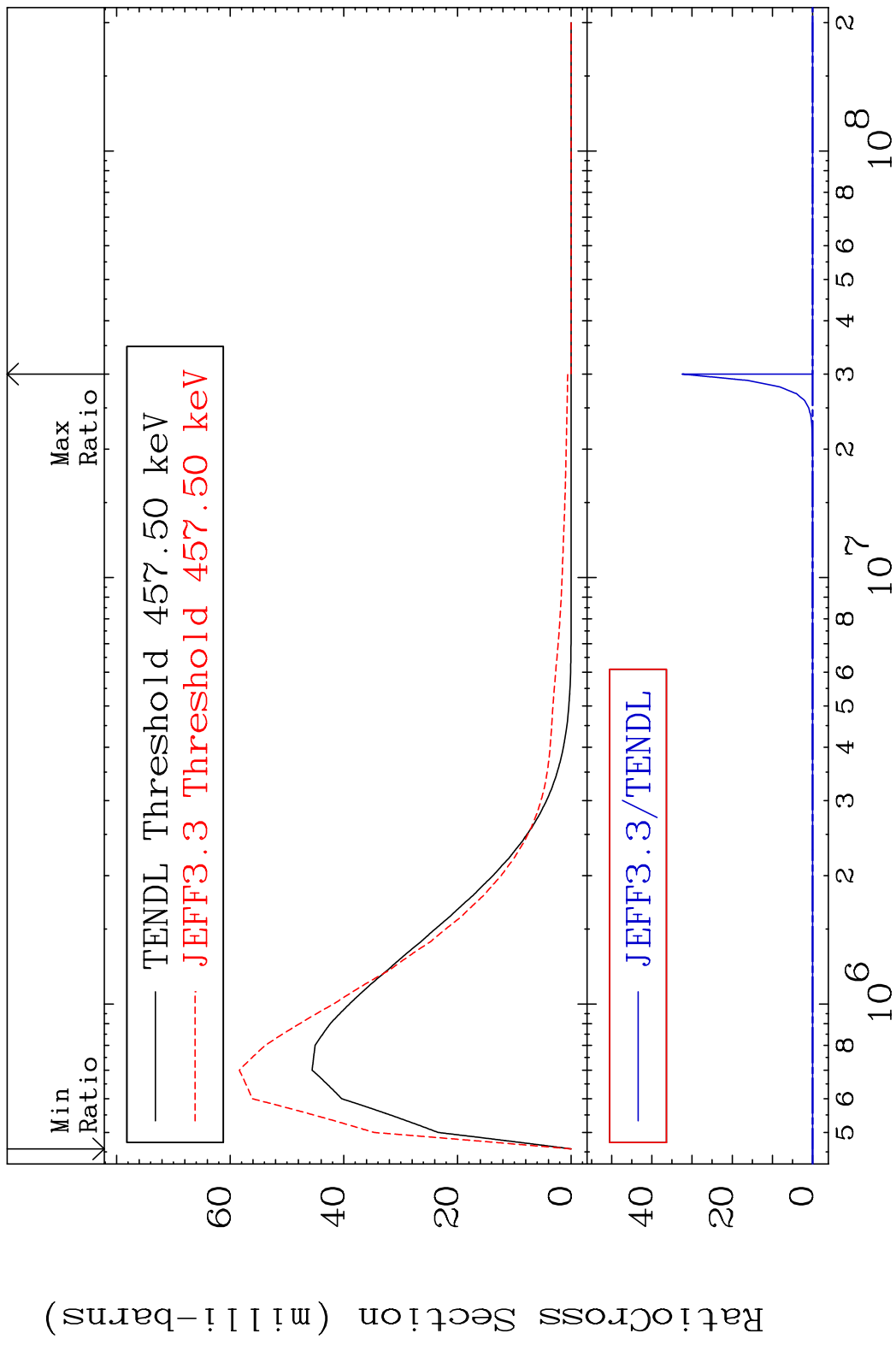


40 Incident Energy (eV) 51-Sb-122

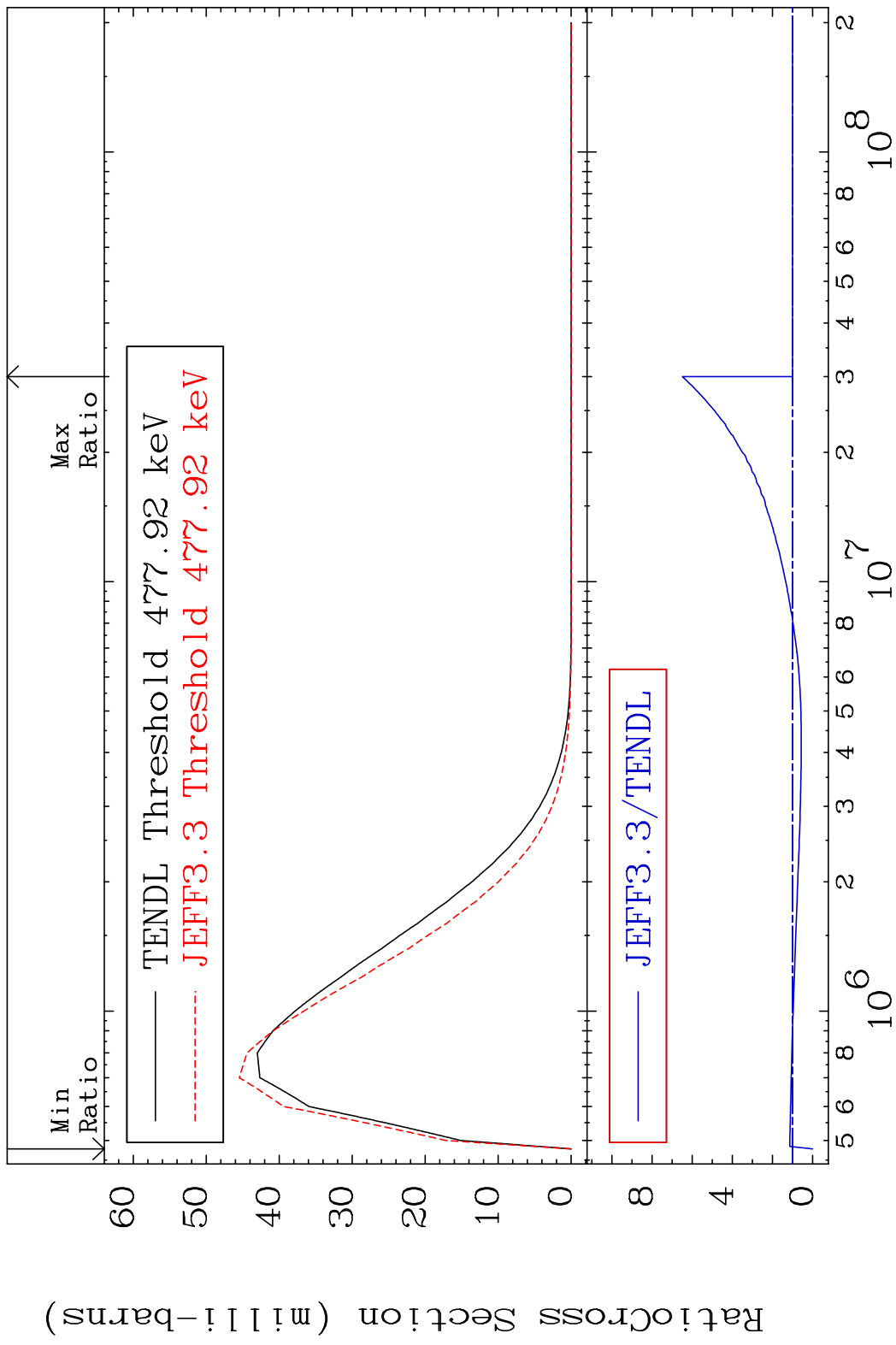
MAT 5128 MT= 73 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



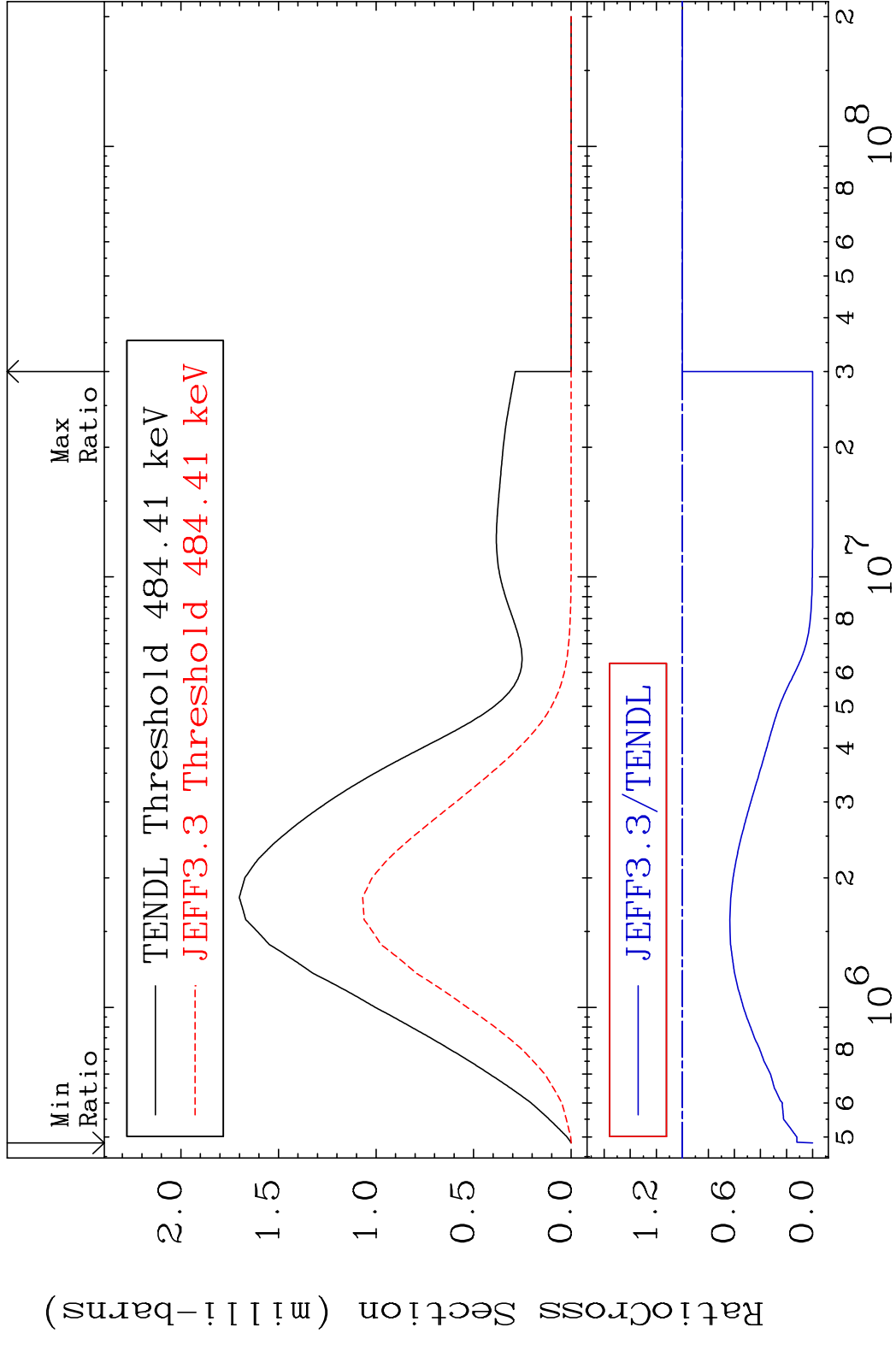
MAT 5128 MT= 74 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



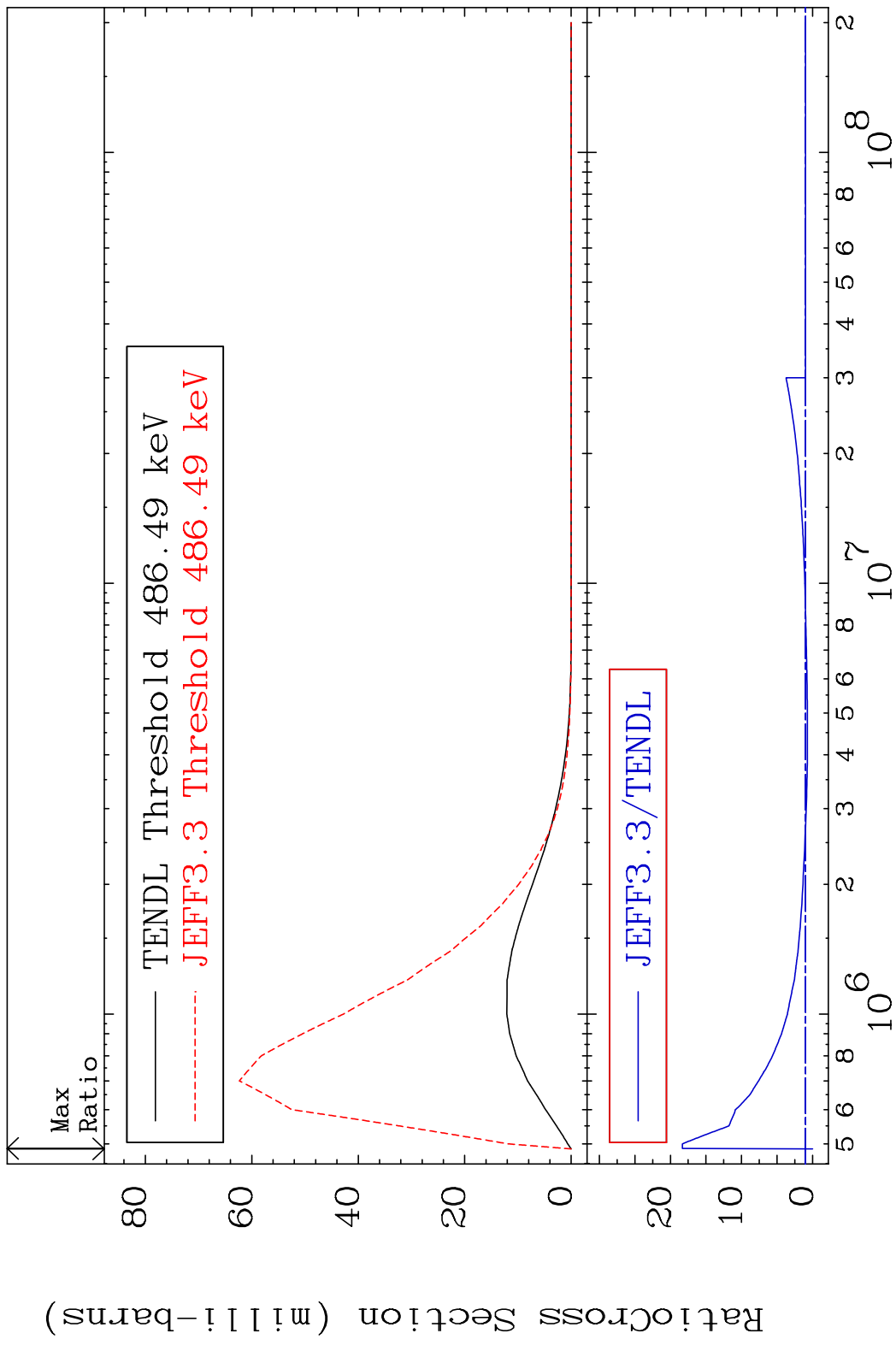
MAT 5128 MT= 75 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 549.1 %



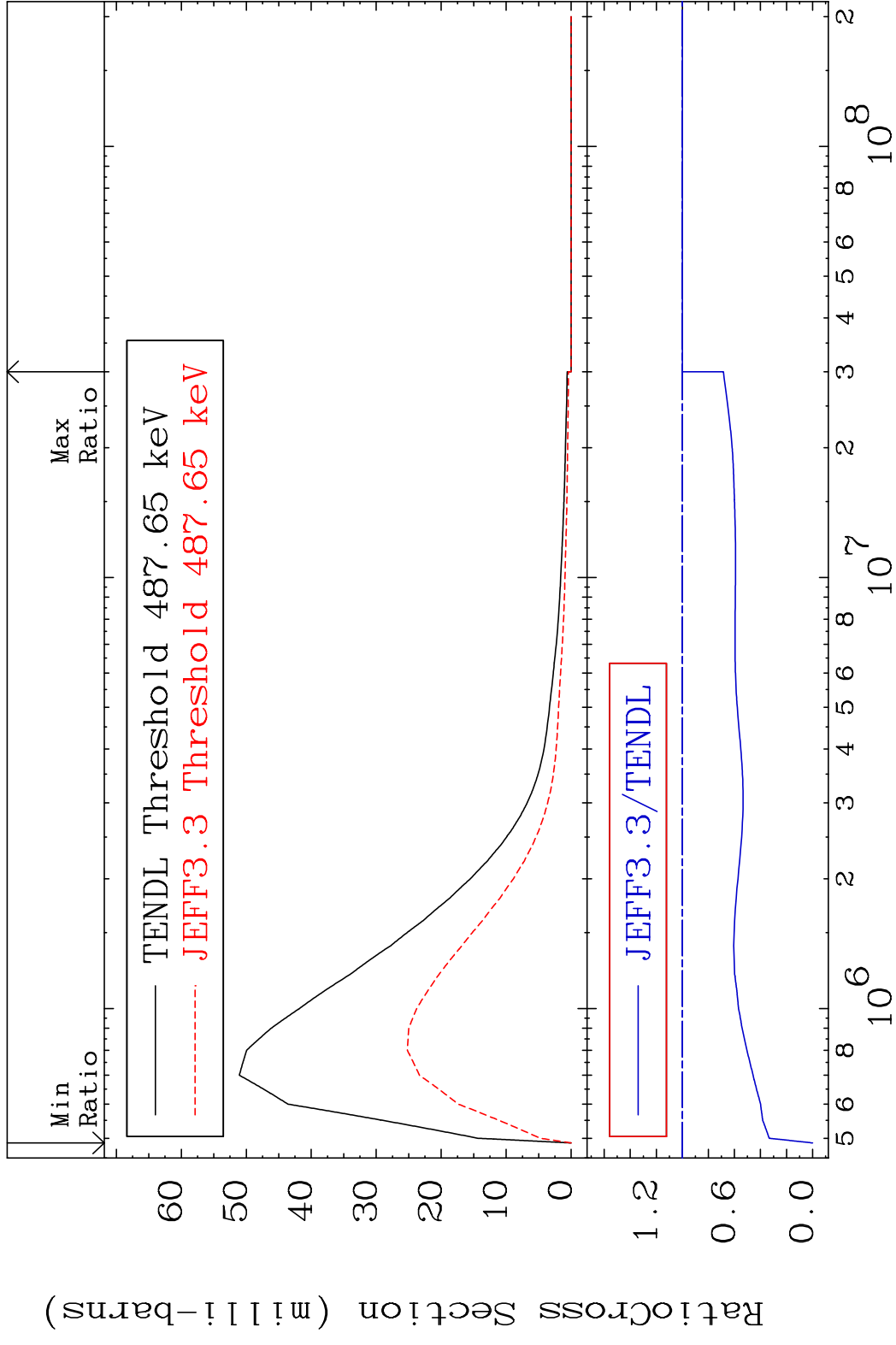
MAT 5128 MT= 76 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 0.000 %



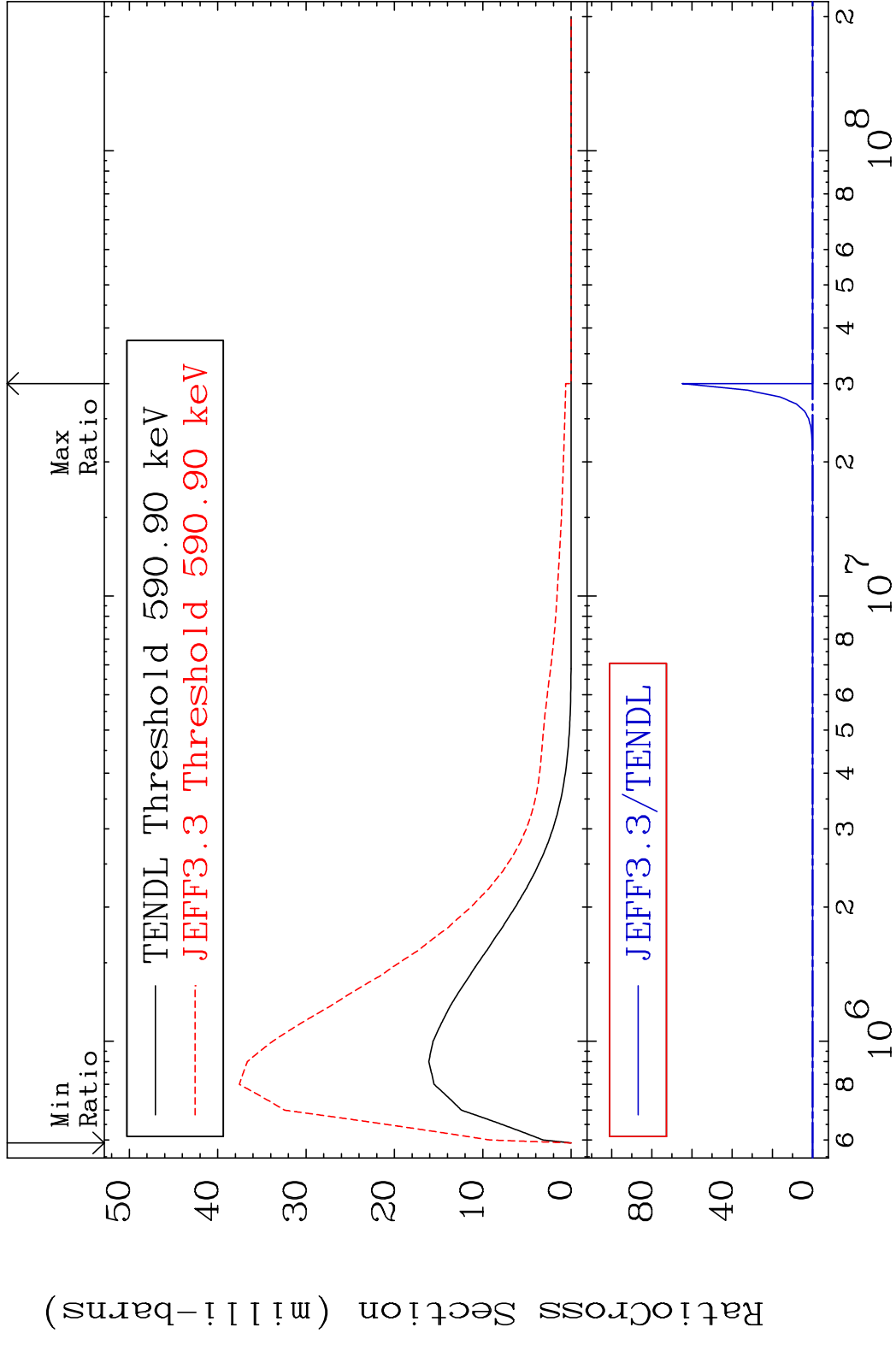
MAT 5128 MT= 77 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 1732. %



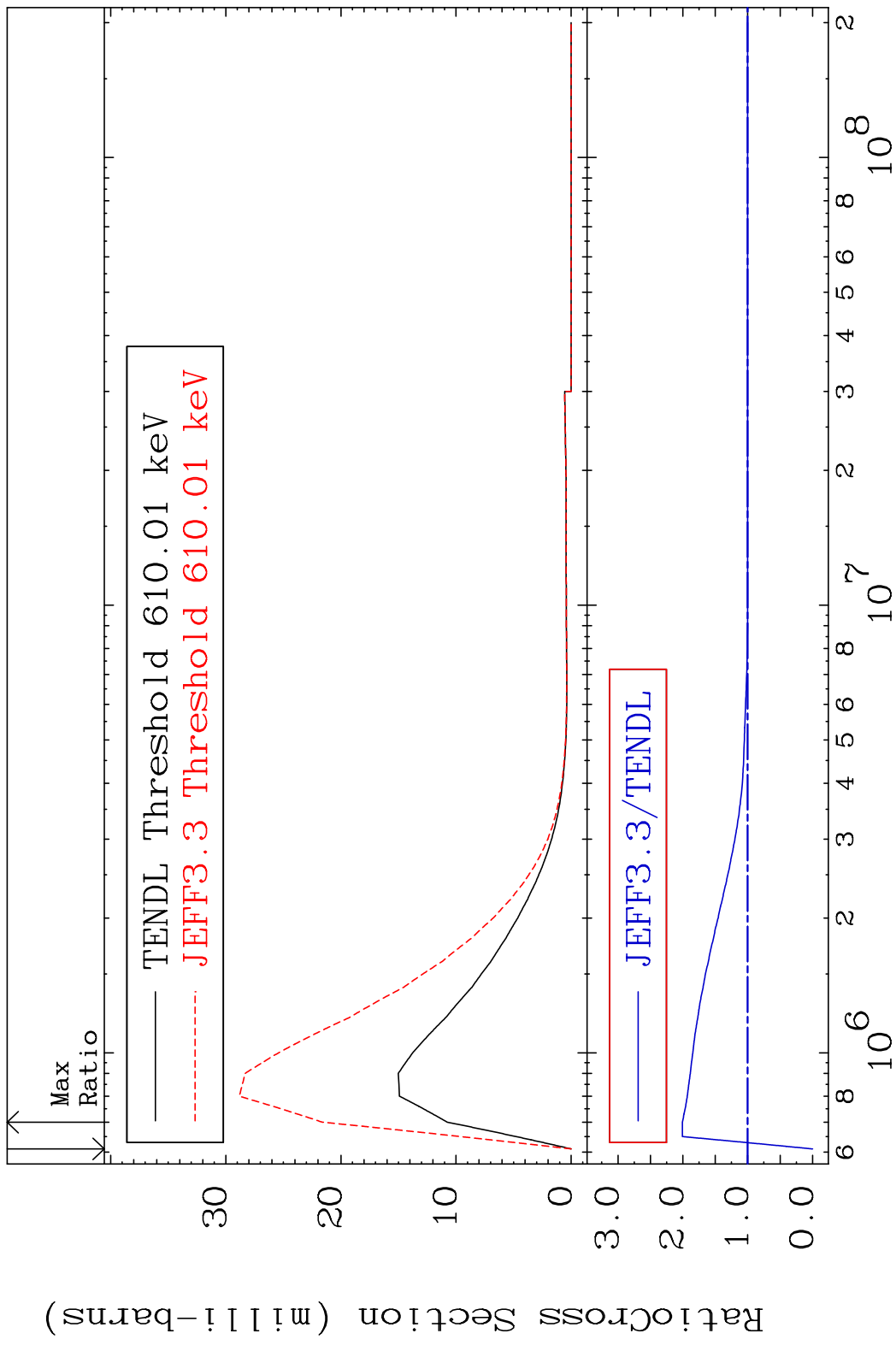
MAT 5128 MT= 78 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 0.000 %



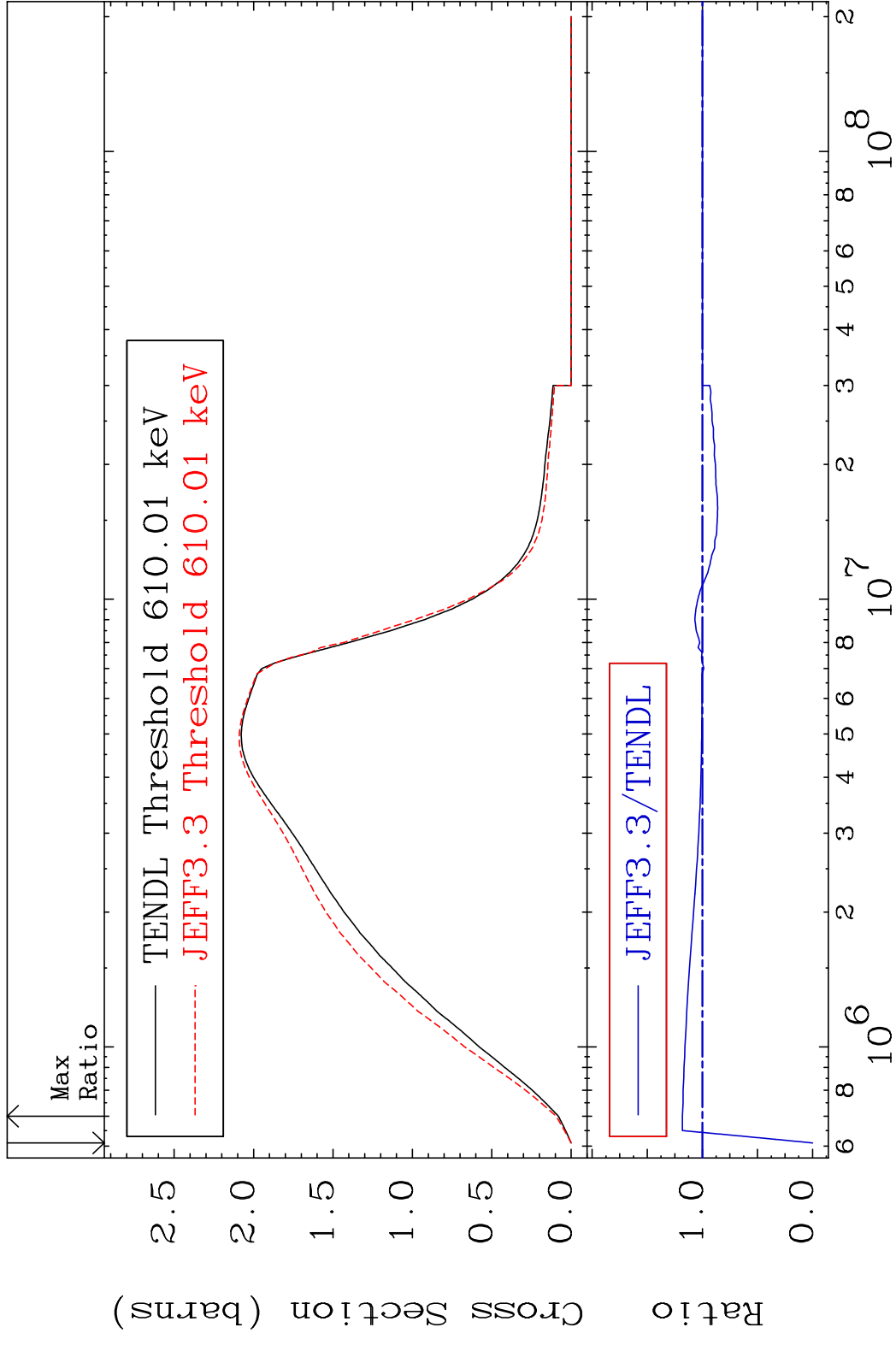
MAT 5128 MT= 79 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



MAT 5128 MT= 80 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 100.8 %



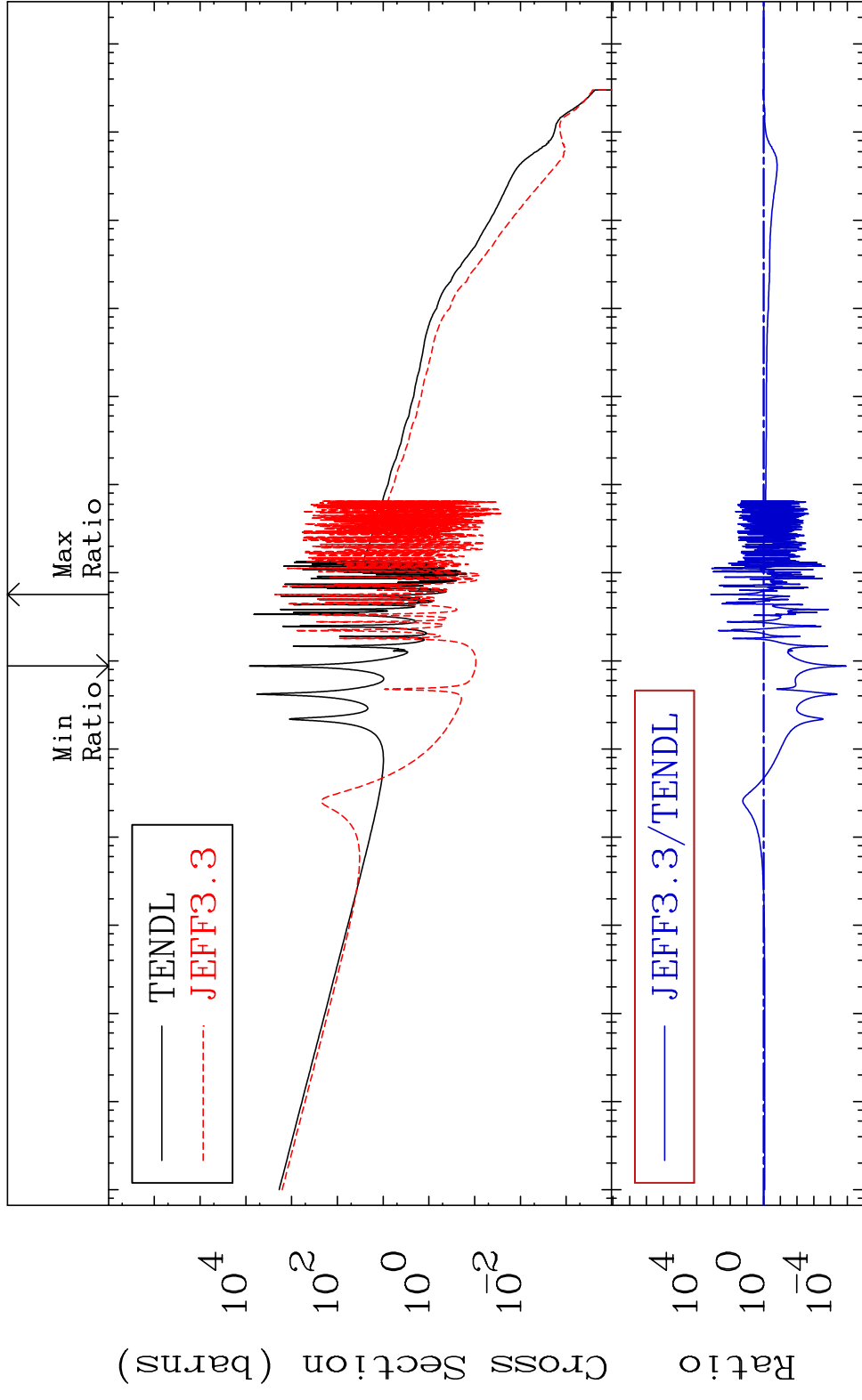
MAT 5128 (n,n') Continuum 51-Sb-122
 Cross Section -100.0 To 18.15 %



MAT 5128

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

51-Sb-122



50

Incident Energy (eV)

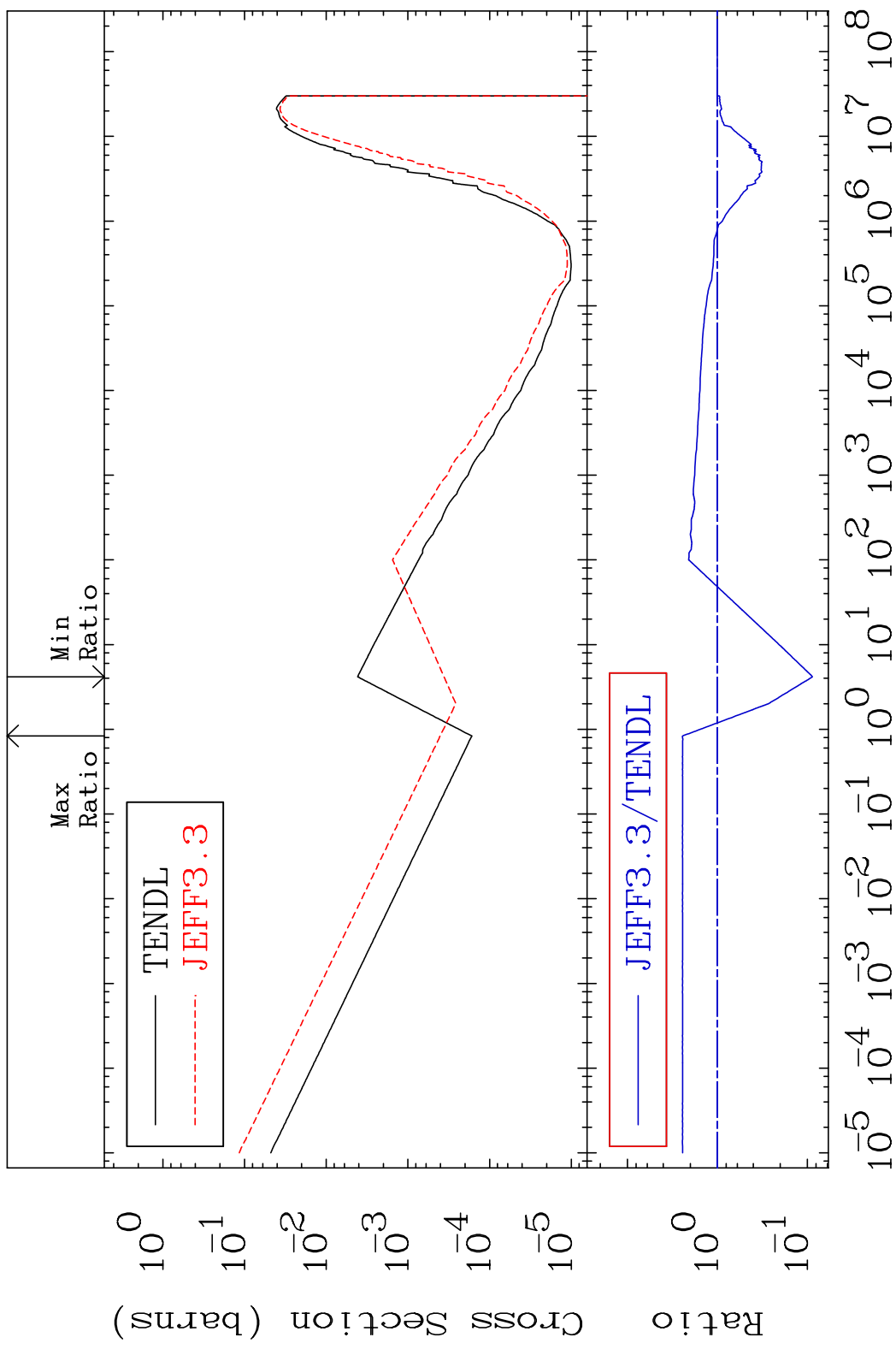
51-Sb-122

MAT 5128

(n, p)

51-Sb-122

Cross Section -91.23 To 144.9 %

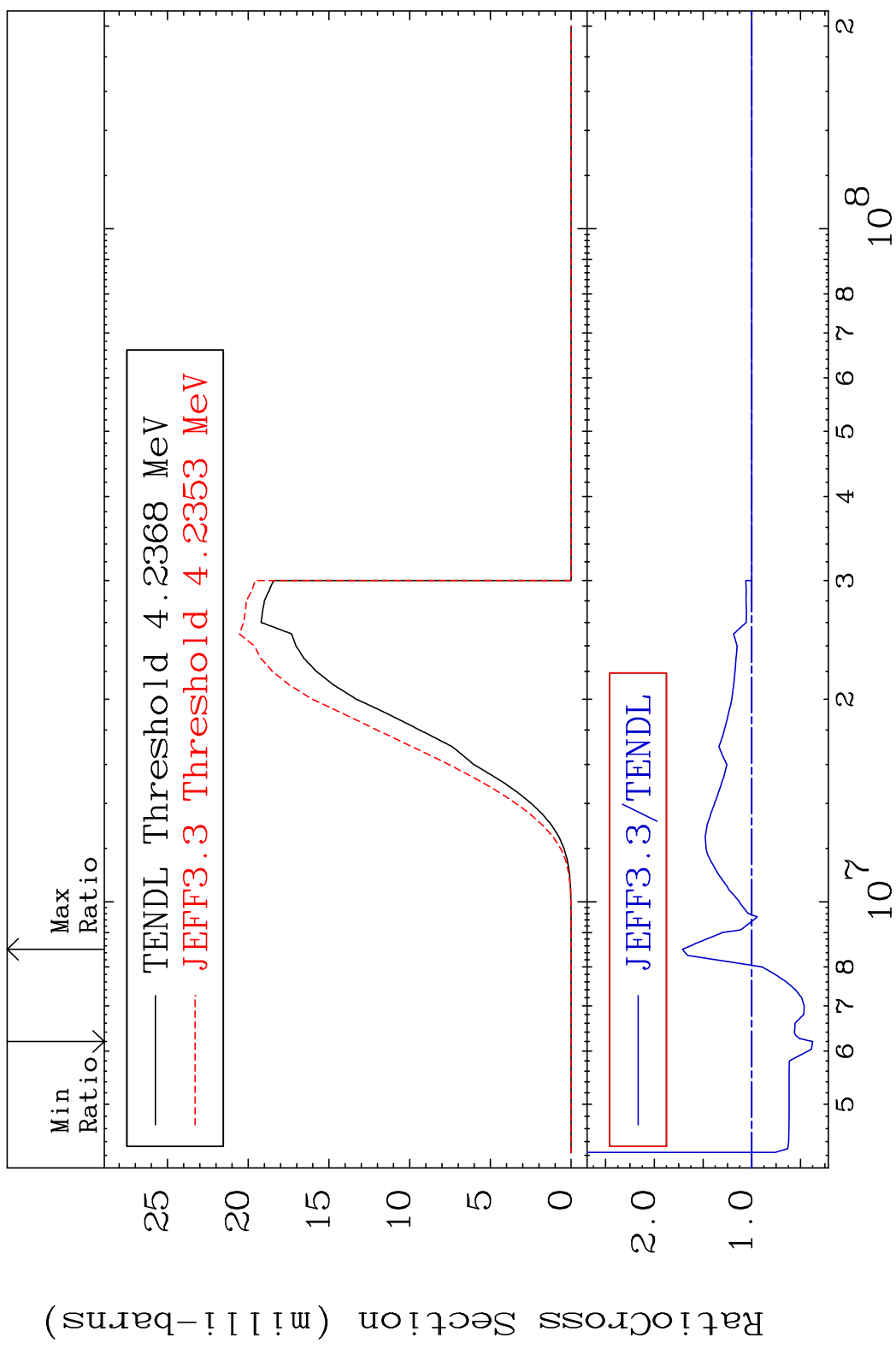


MAT 5128

(n,d)

51-Sb-122

Cross Section -62.35 To 71.26 %

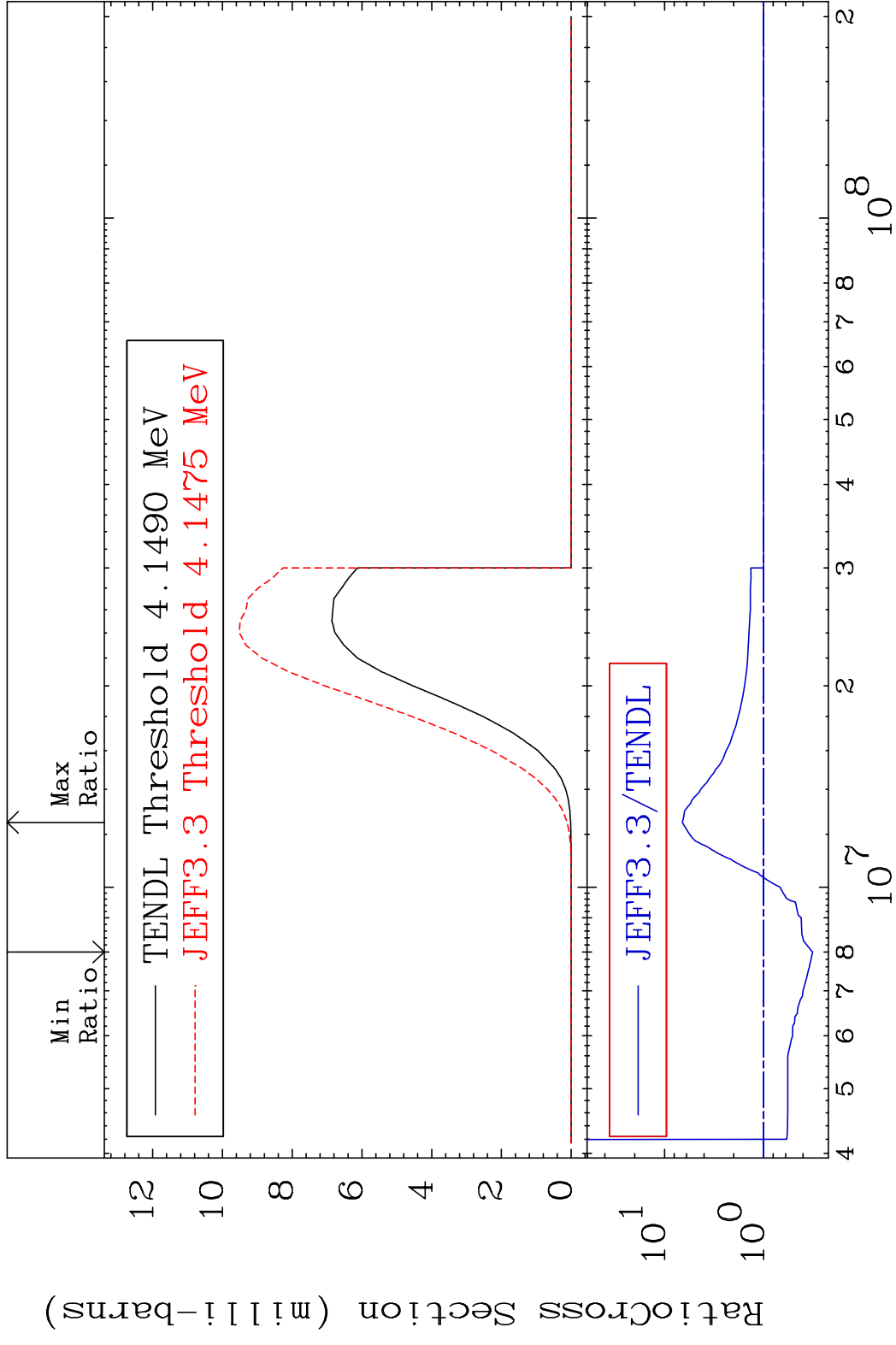


MAT 5128

(n, t)

51-Sb-122

Cross Section -67.92 To 561.0 %

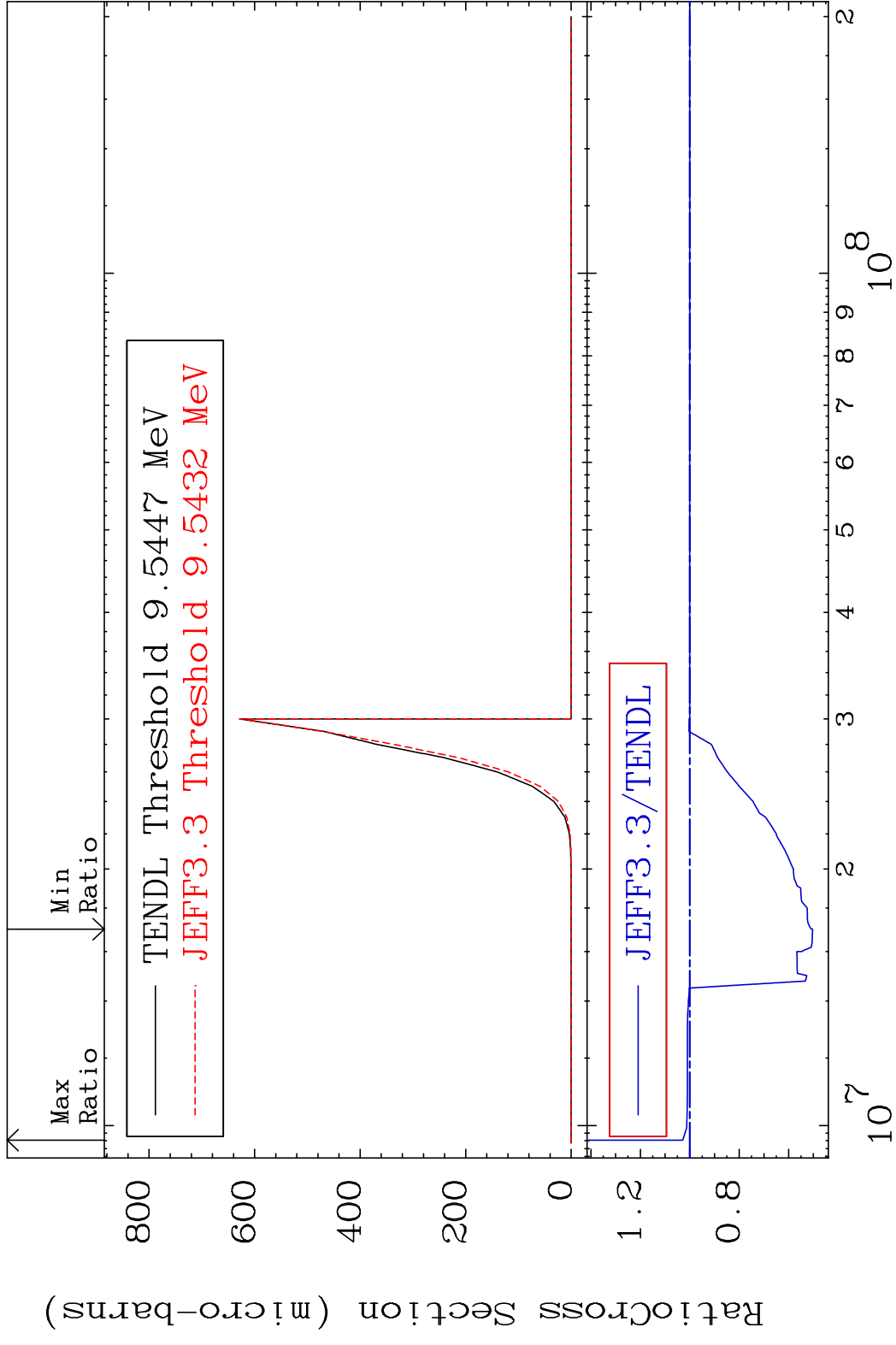


MAT 5128

(n, He-3)

51-Sb-122

Cross Section -49.67 To 2.997 %



54

Incident Energy (eV)

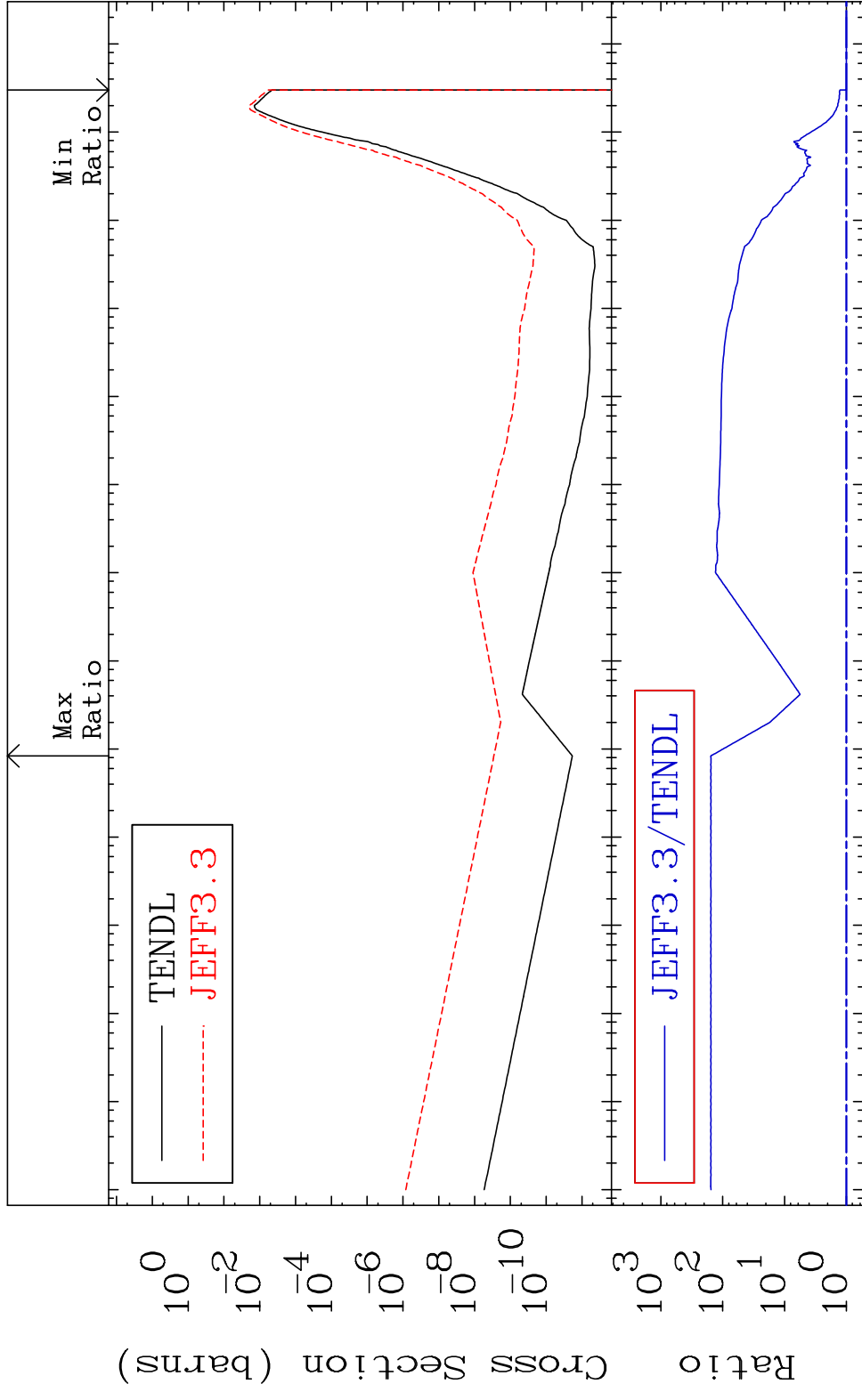
51-Sb-122

MAT 5128

51-Sb-122

(n, α)

Cross Section 0.000 To 9999. %

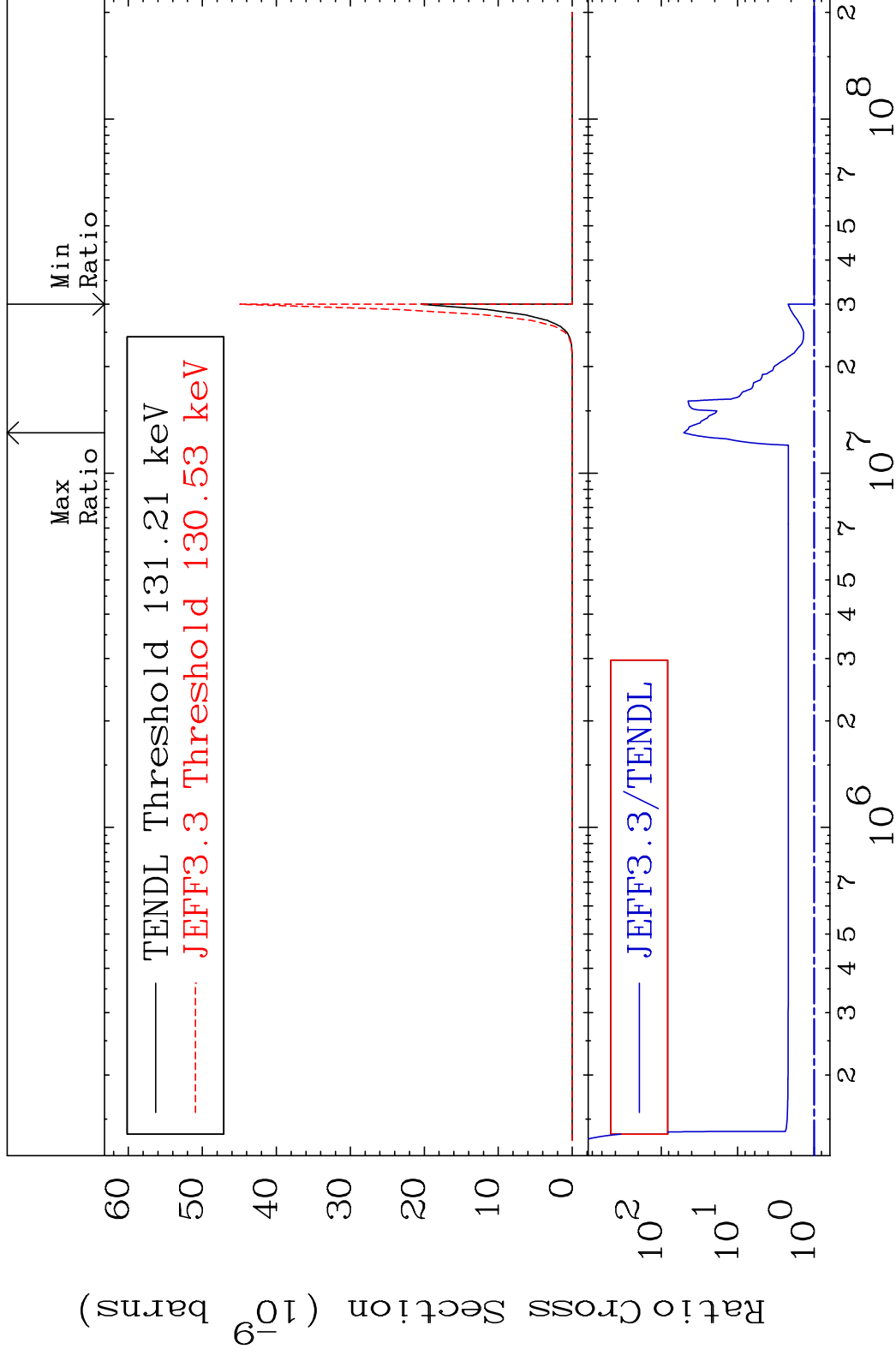


MAT 5128

(n, 2α)

51-Sb-122

Cross Section 0.000 To 4996. %



56

Incident Energy (eV)

51-Sb-122

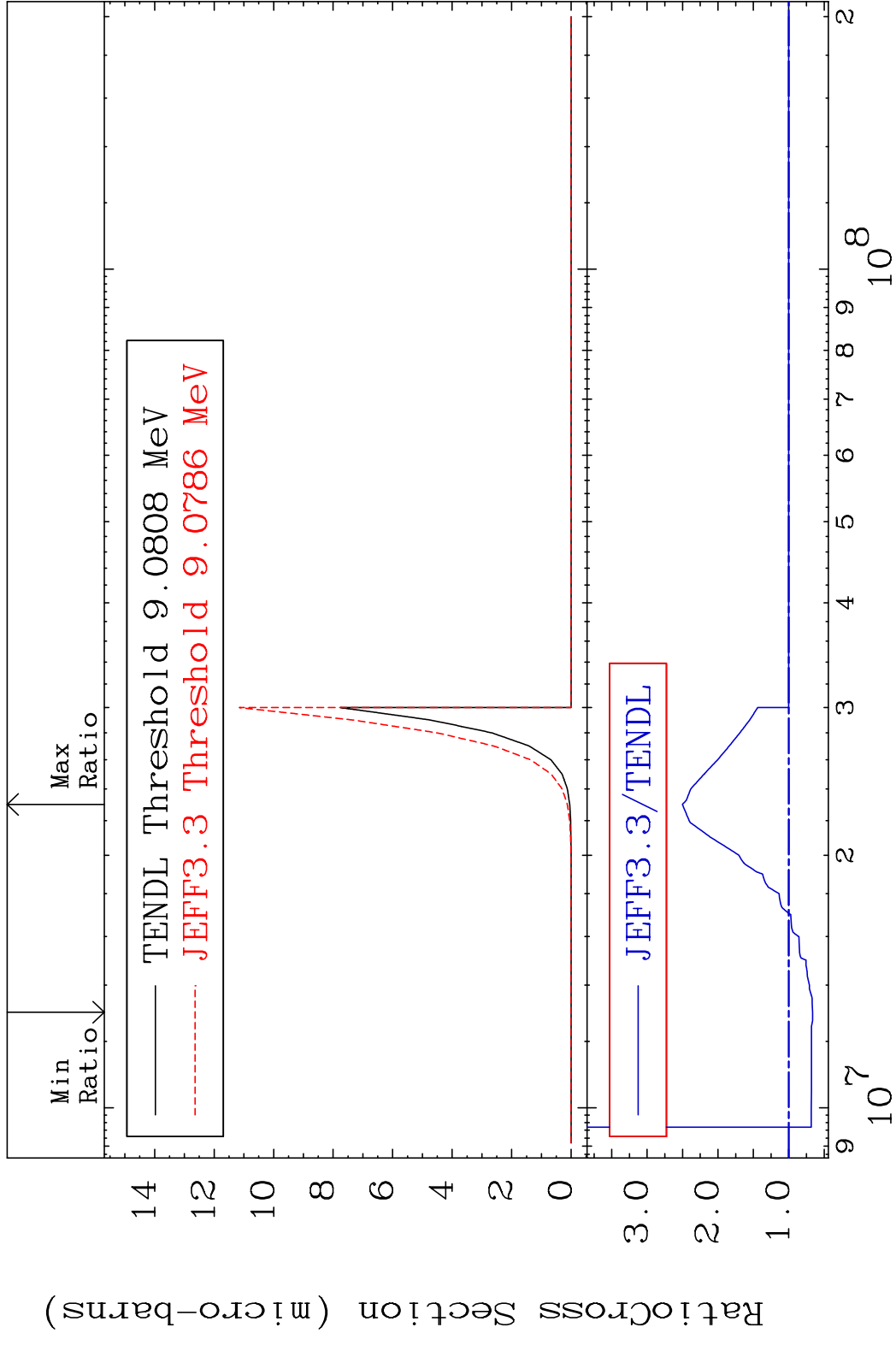
MAT 5128

(n,2p)

51-Sb-122

Cross Section

-33.59 To 150.3 %



57

Incident Energy (eV)

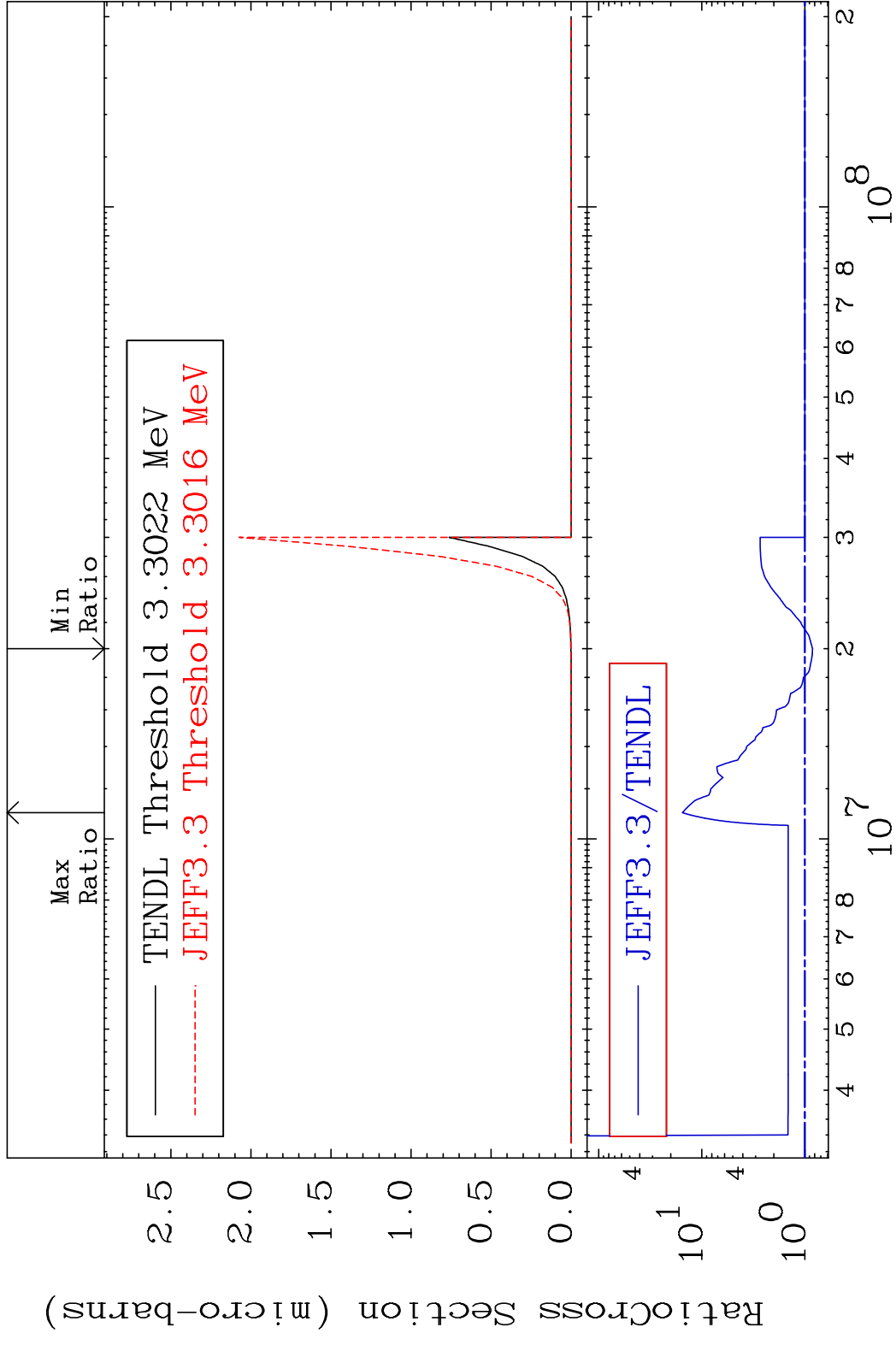
51-Sb-122

MAT 5128

(n,p) α

51-Sb-122

Cross Section -15.99 To 1442. %

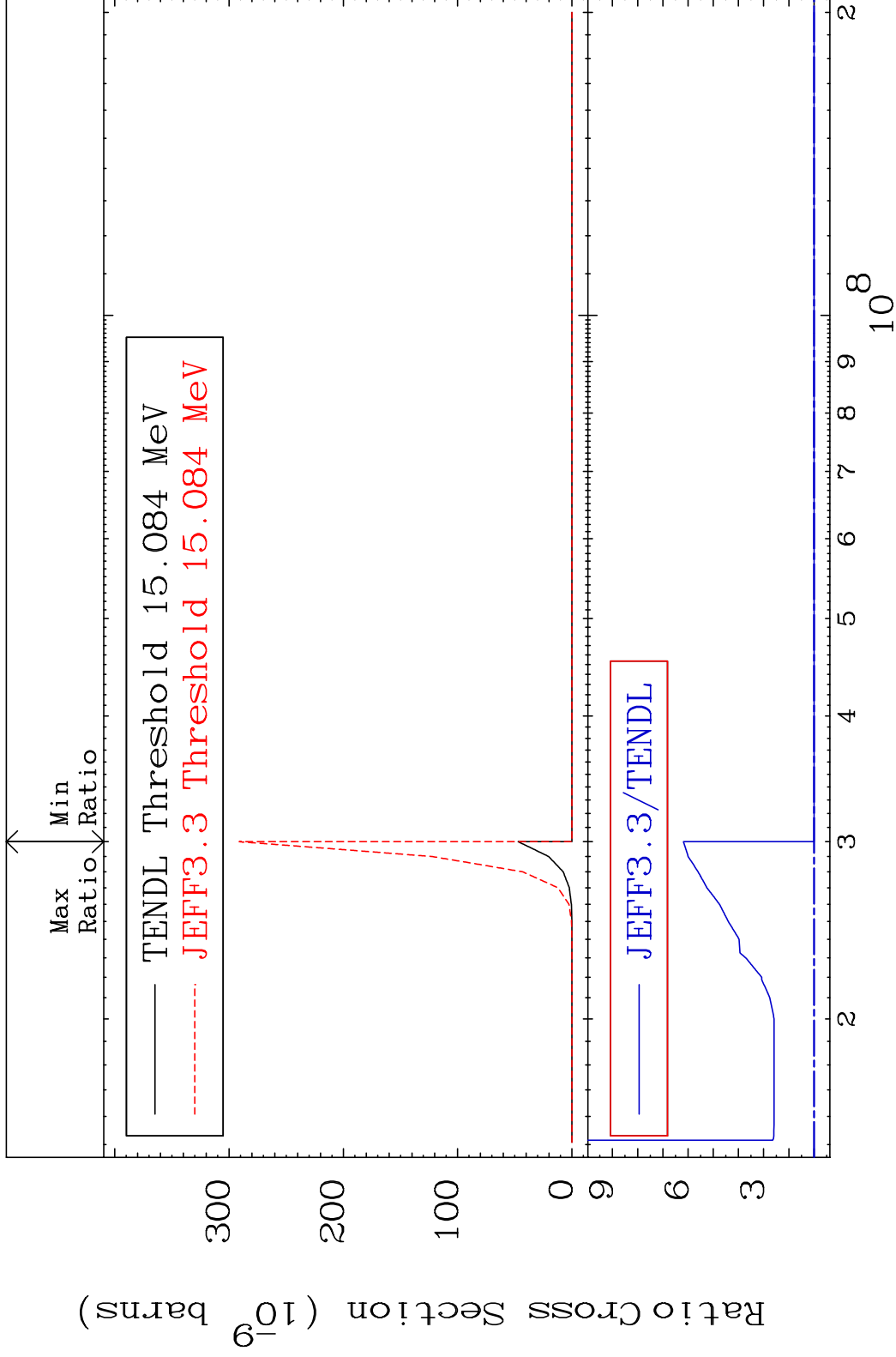


MAT 5128

(n,p) d

51-Sb-122

Cross Section 0.000 To 518.2 %



59

Incident Energy (eV)

51-Sb-122

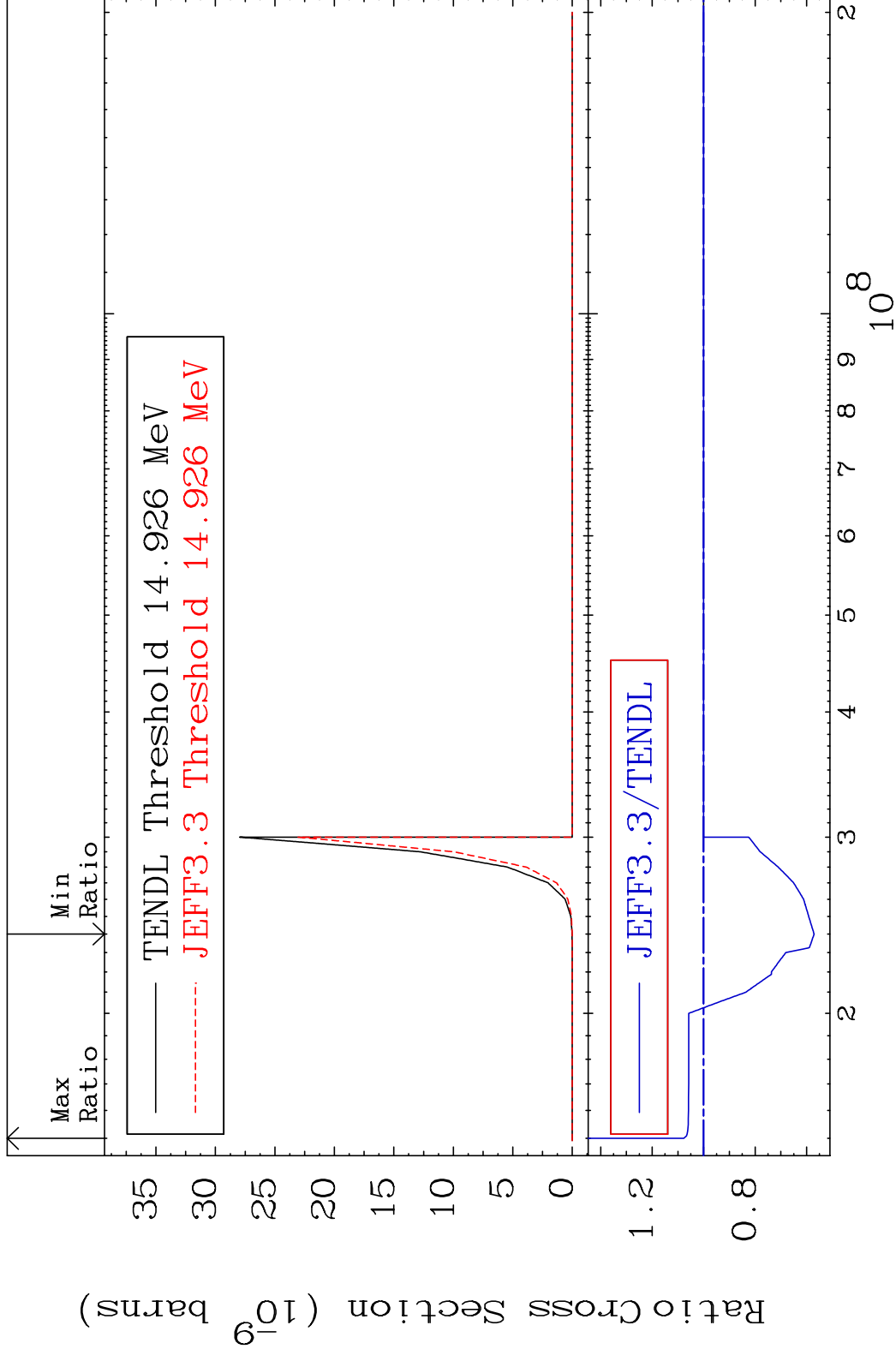
MAT 5128

(n,p) t

51-Sb-122

Cross Section

-42.92 To 7.758 %



60

Incident Energy (eV)

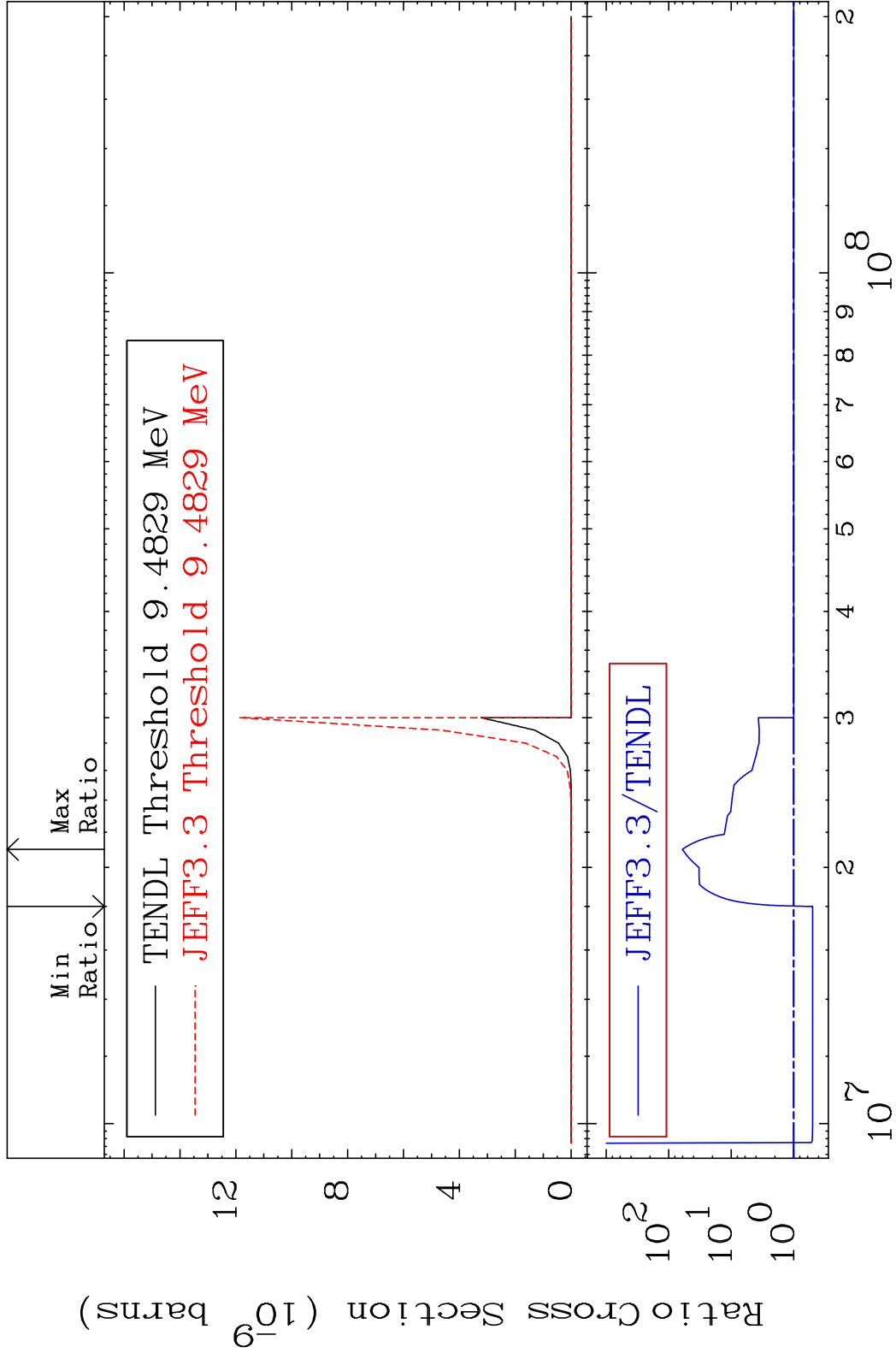
51-Sb-122

MAT 5128

(n,d) α

51-Sb-122

Cross Section -50.05 To 5955. %



61

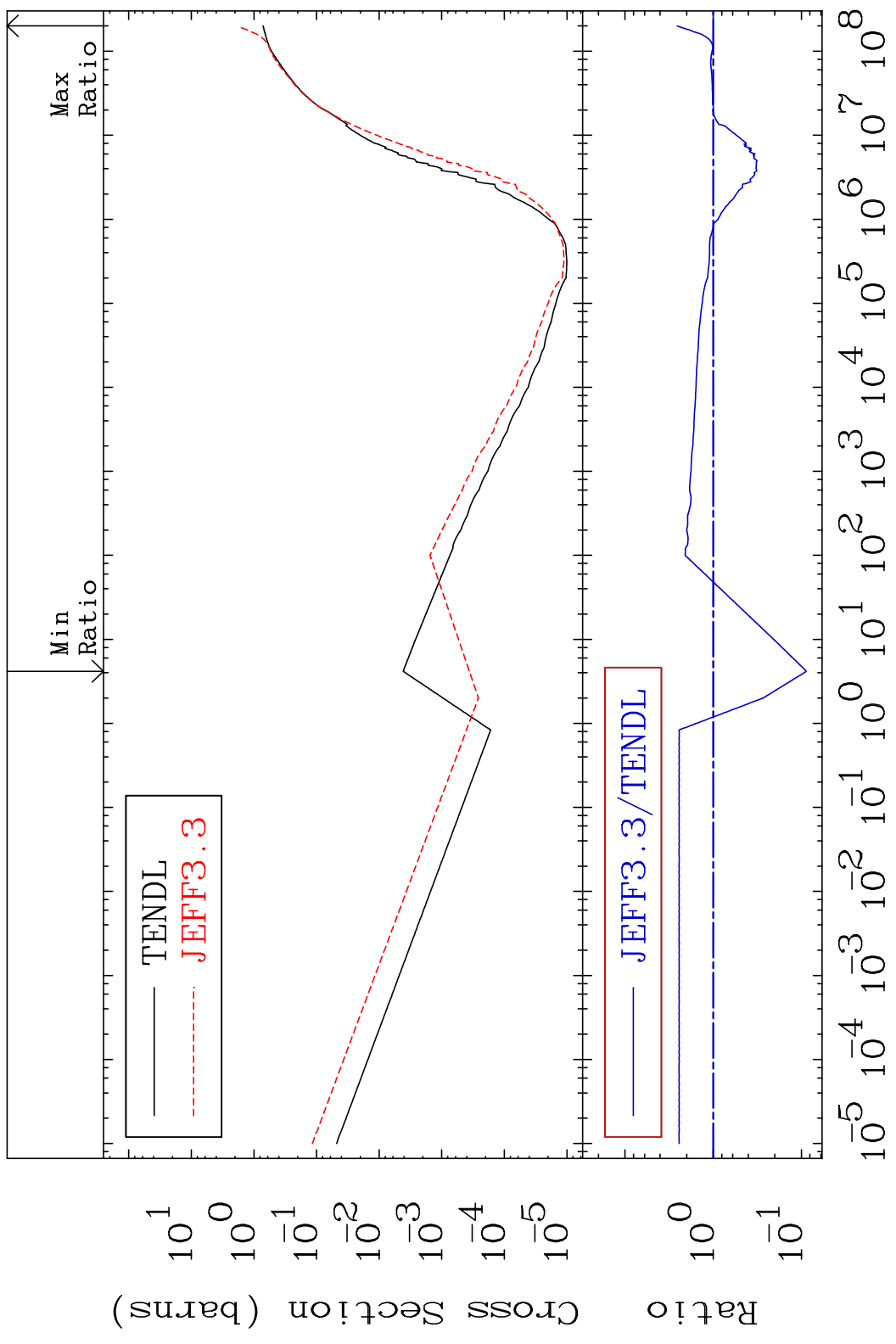
Incident Energy (eV)

51-Sb-122

MAT 5128

Hydrogen Production
Cross Section -91.23 To 156.2 %

51-Sb-122

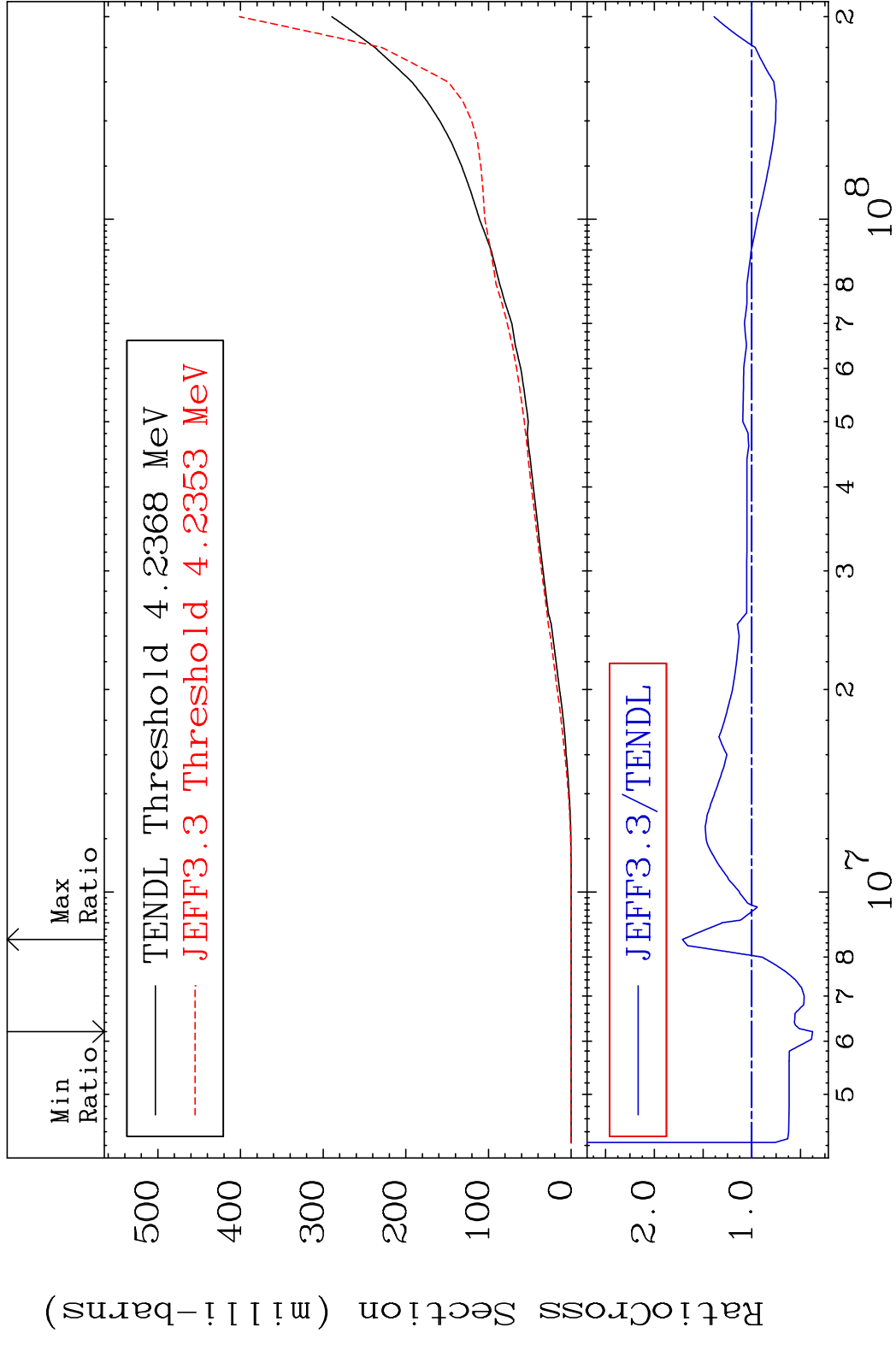


MAT 5128

Deuterium Production

51-Sb-122

Cross Section -62.35 To 71.26 %



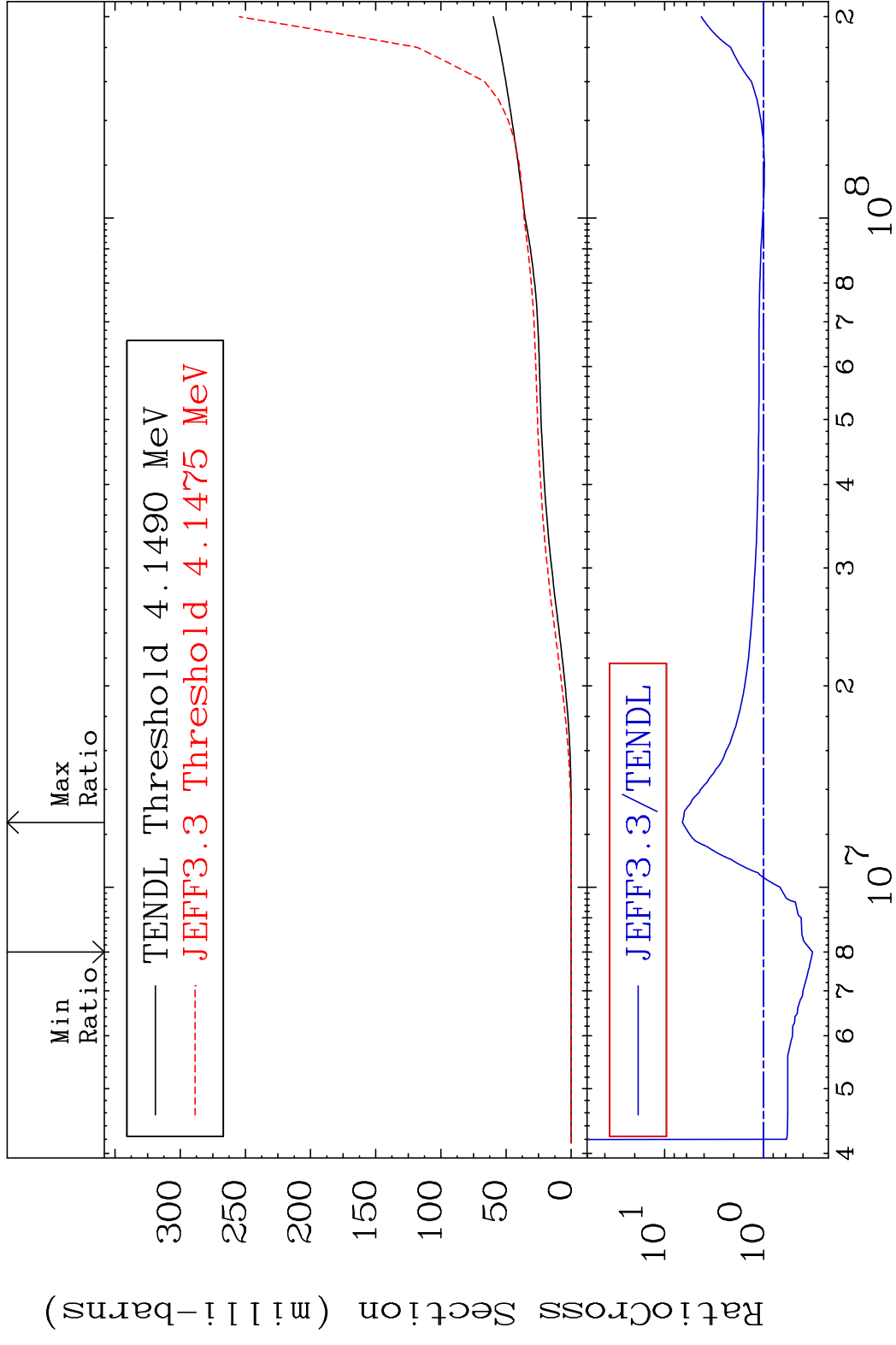
MAT 5128

Tritium Production

51-Sb-122

Cross Section

-67.92 To 561.0 %

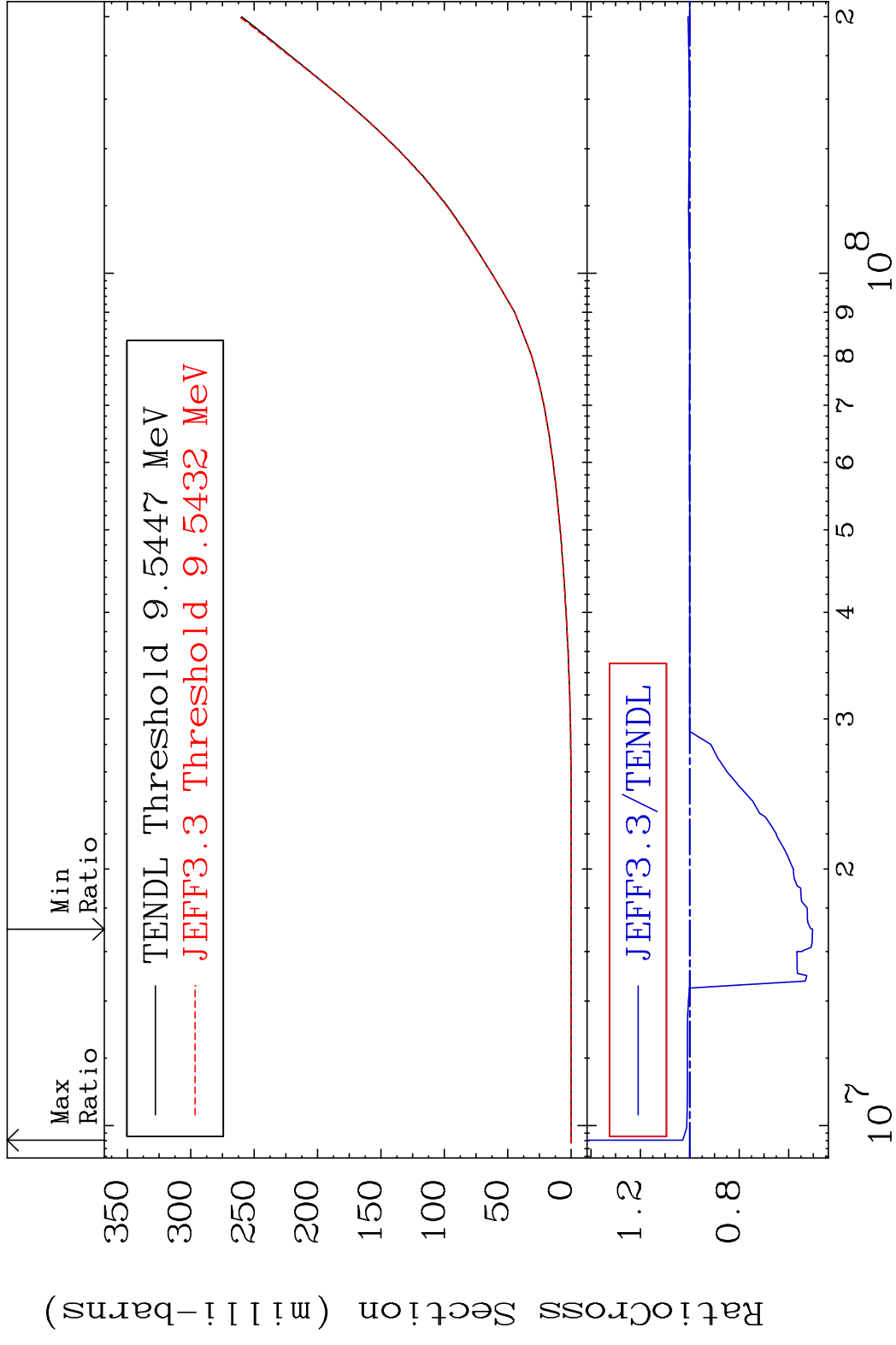


MAT 5128

He-3 Production

51-Sb-122

Cross Section -49.67 To 2.997 %



65

Incident Energy (eV)

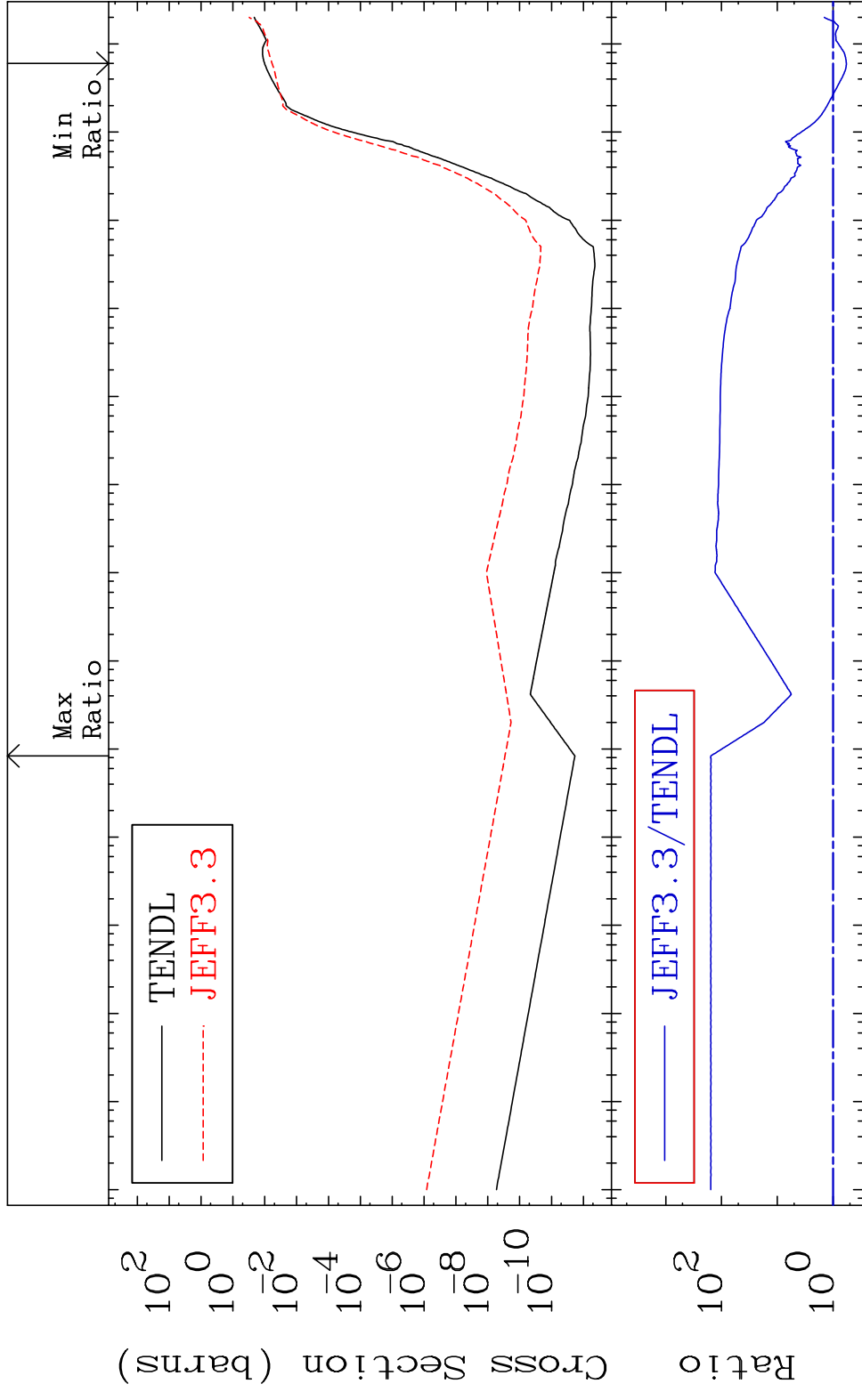
51-Sb-122

MAT 5128

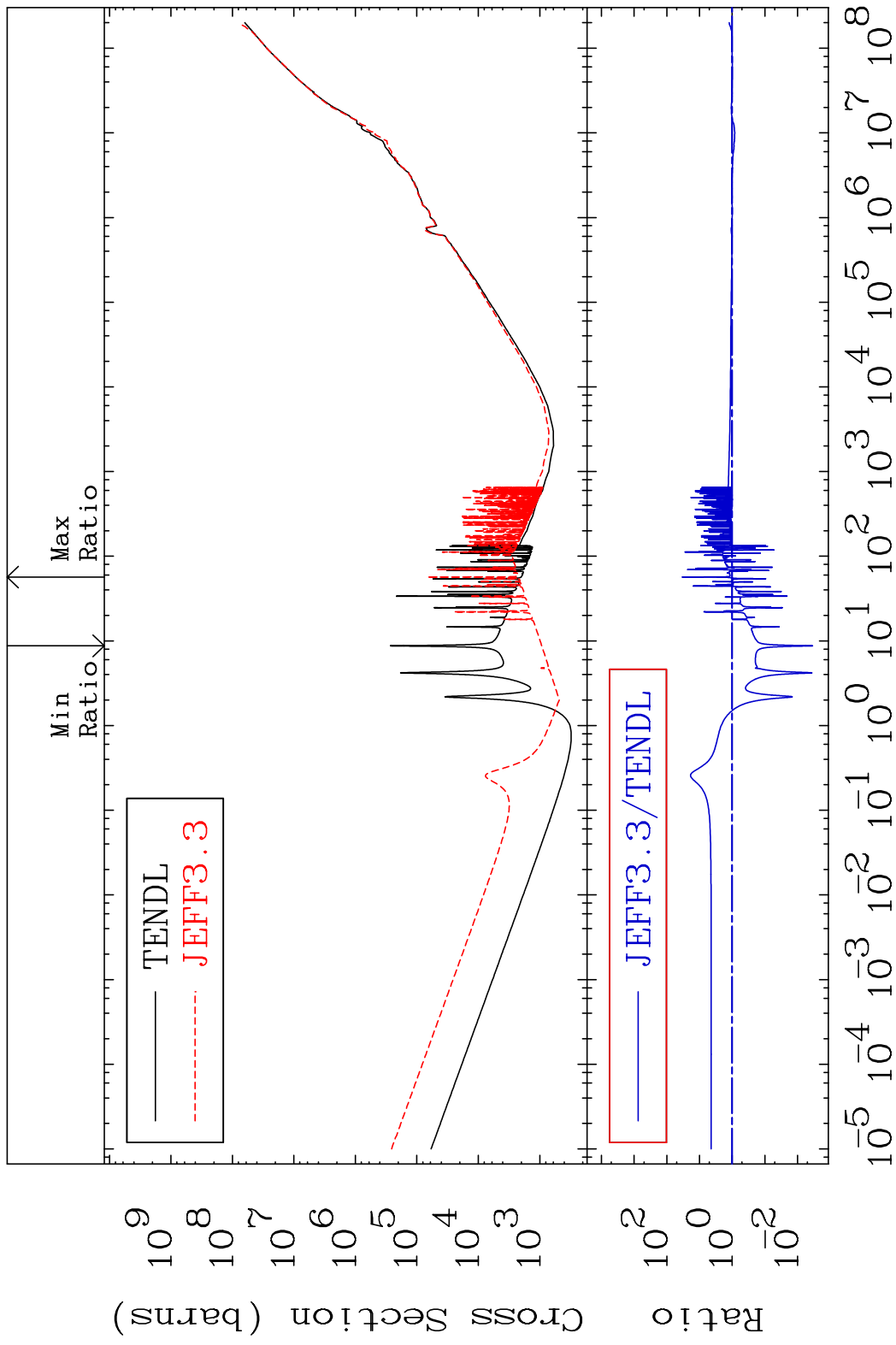
He-4 Production

51-Sb-122

Cross Section -42.07 To 9999. %



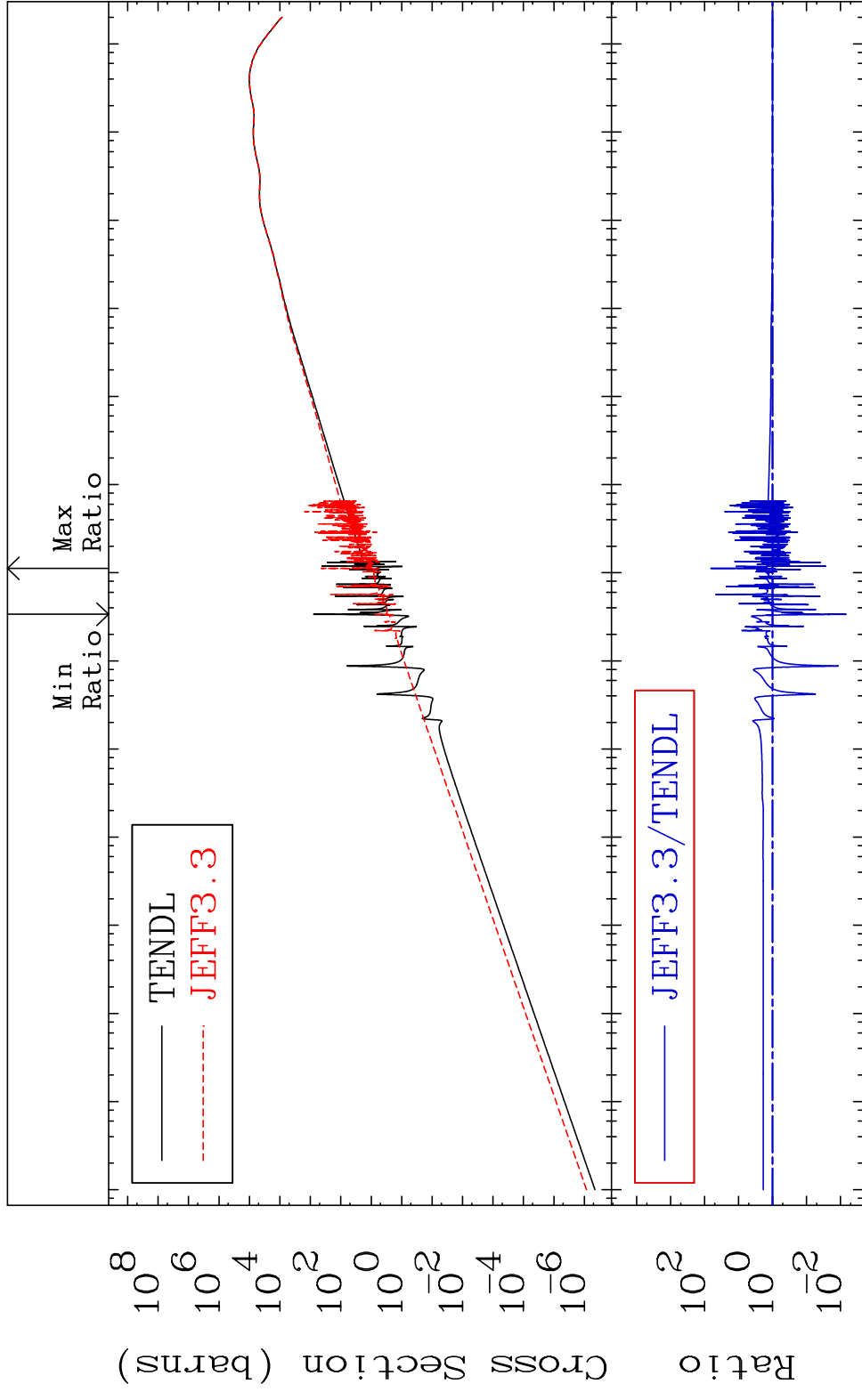
MAT 5128 Kerma total (eV-barns) 51-Sb-122
 Cross Section -99.65 To 3247. %



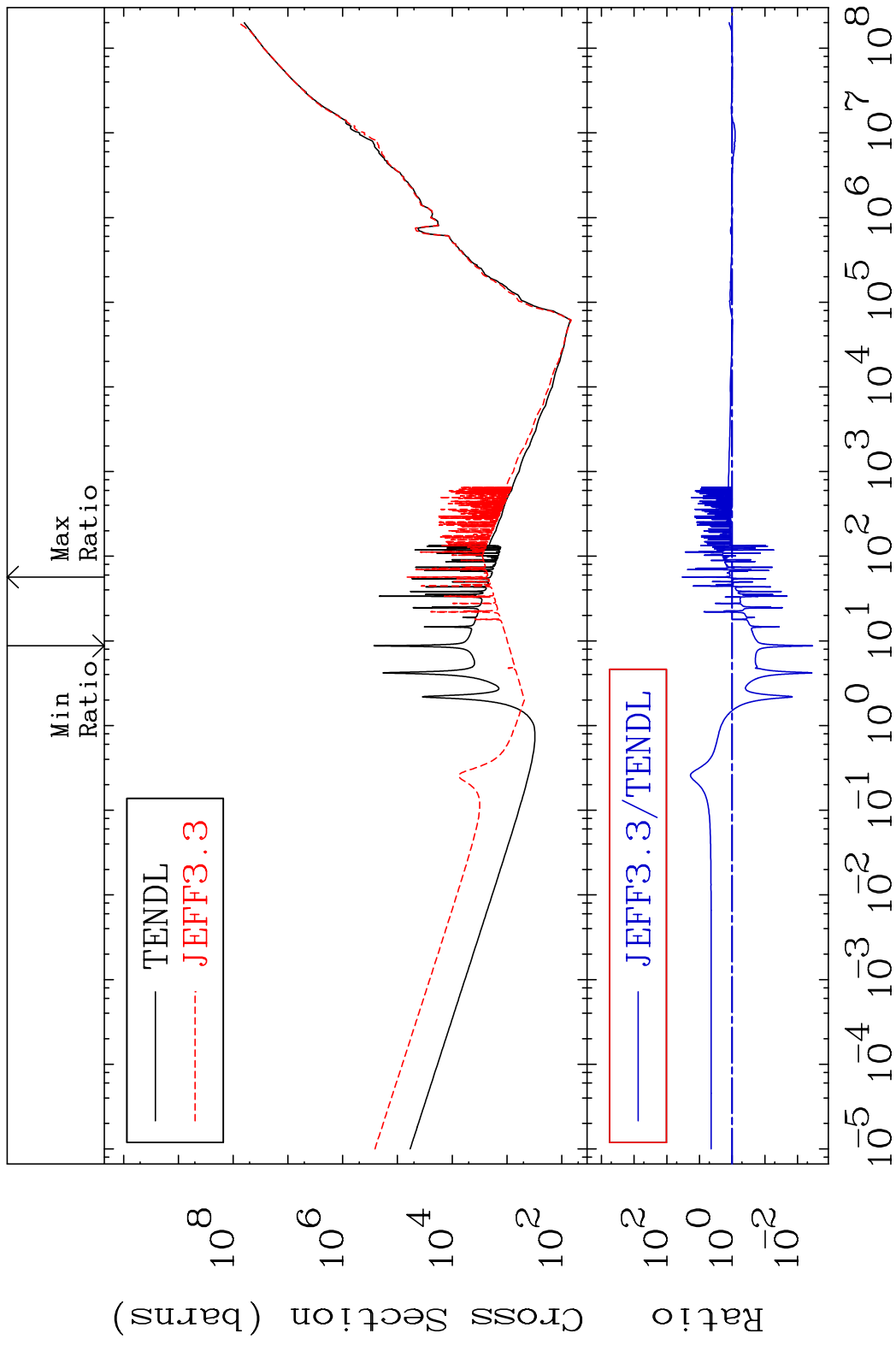
MAT 5128

Kerma elastic
Cross Section

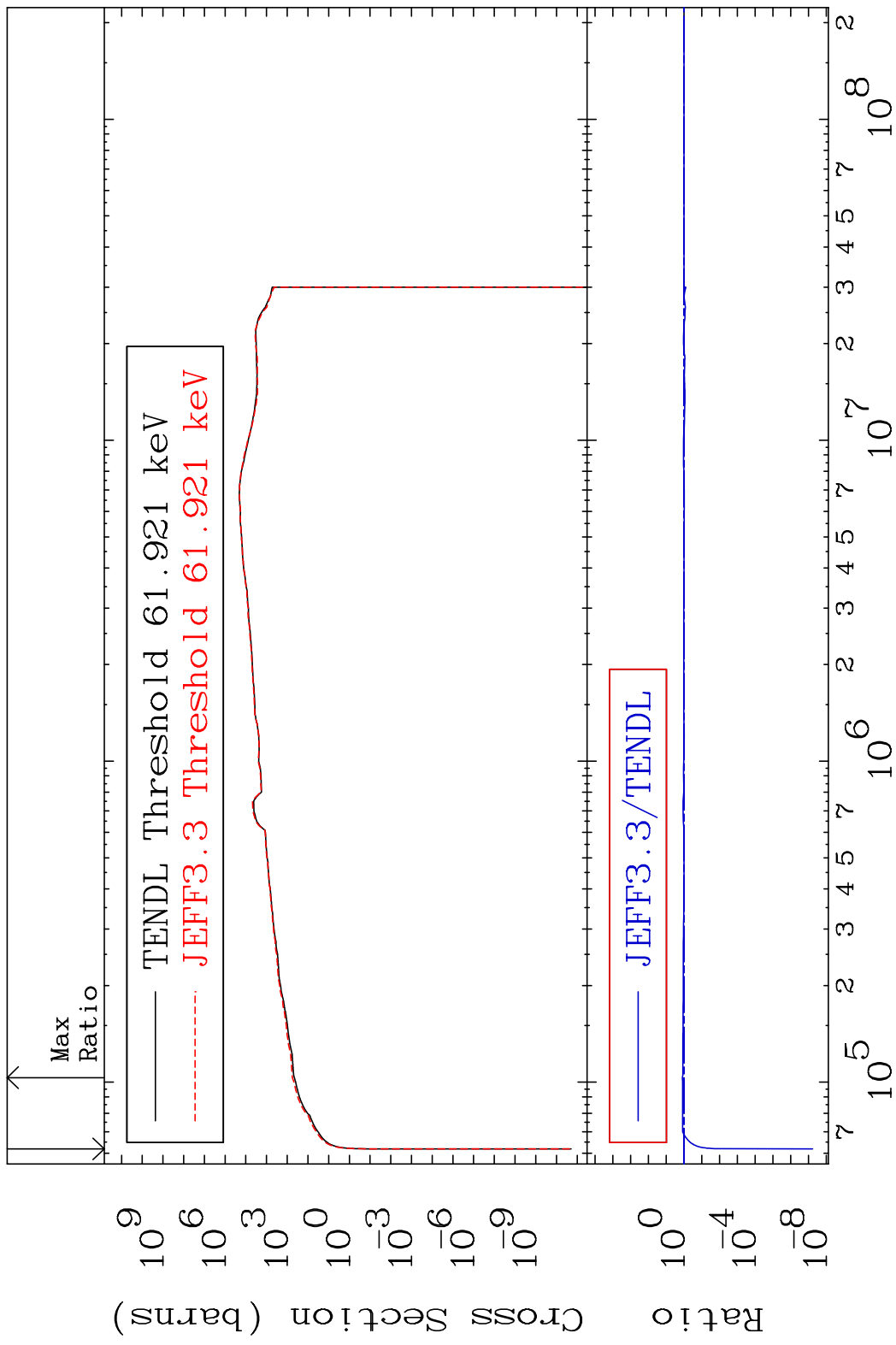
51-Sb-122
-99.33 To 6508. %



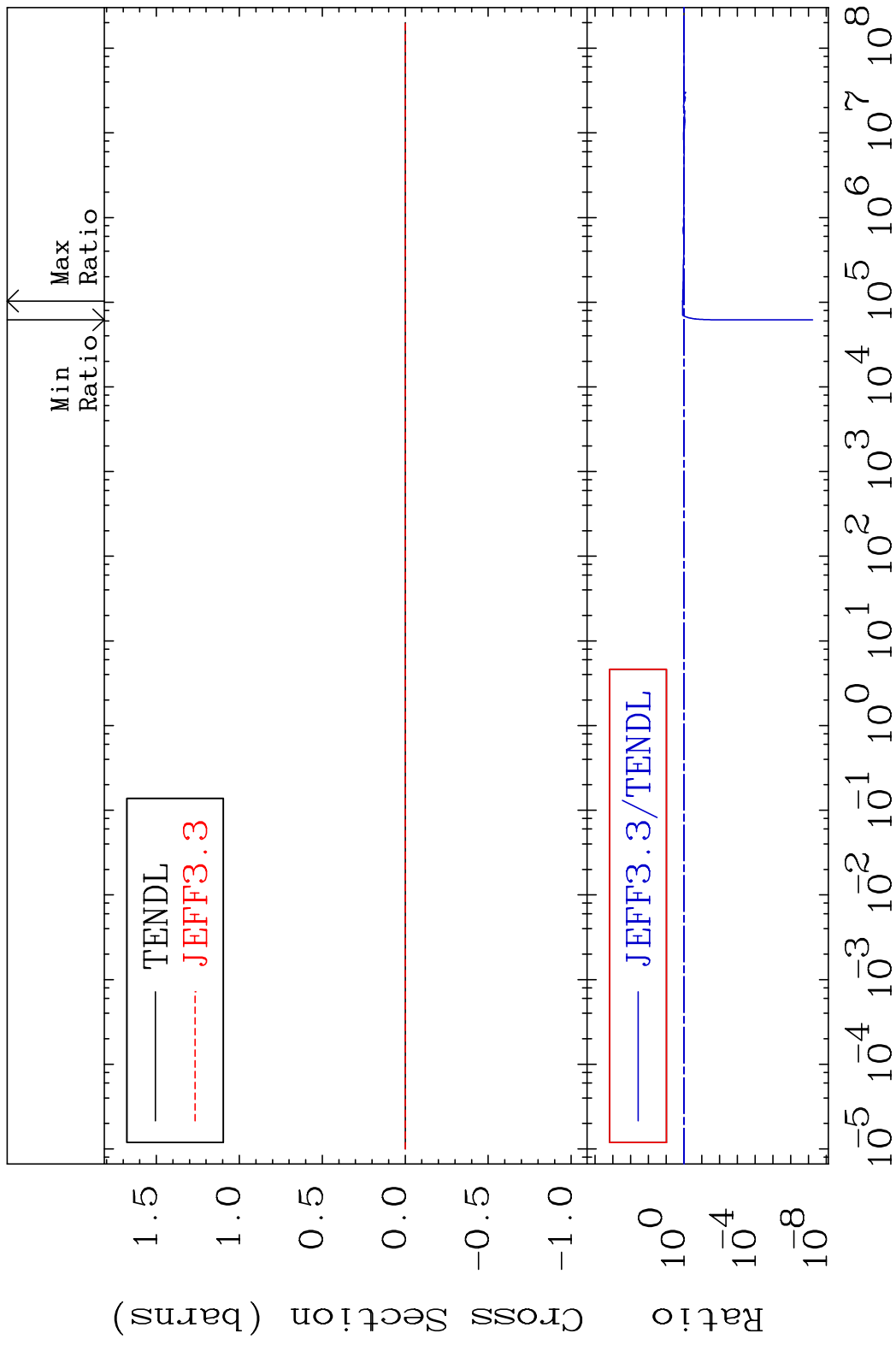
MAT 5128 Kerma non-elastic (all but mt2) 51-Sb-122
 Cross Section -99.65 To 3244. %



MAT 5128 Kerma inelastic (mt51-91) 51-Sb-122
 Cross Section -100.0 To 24.18 %

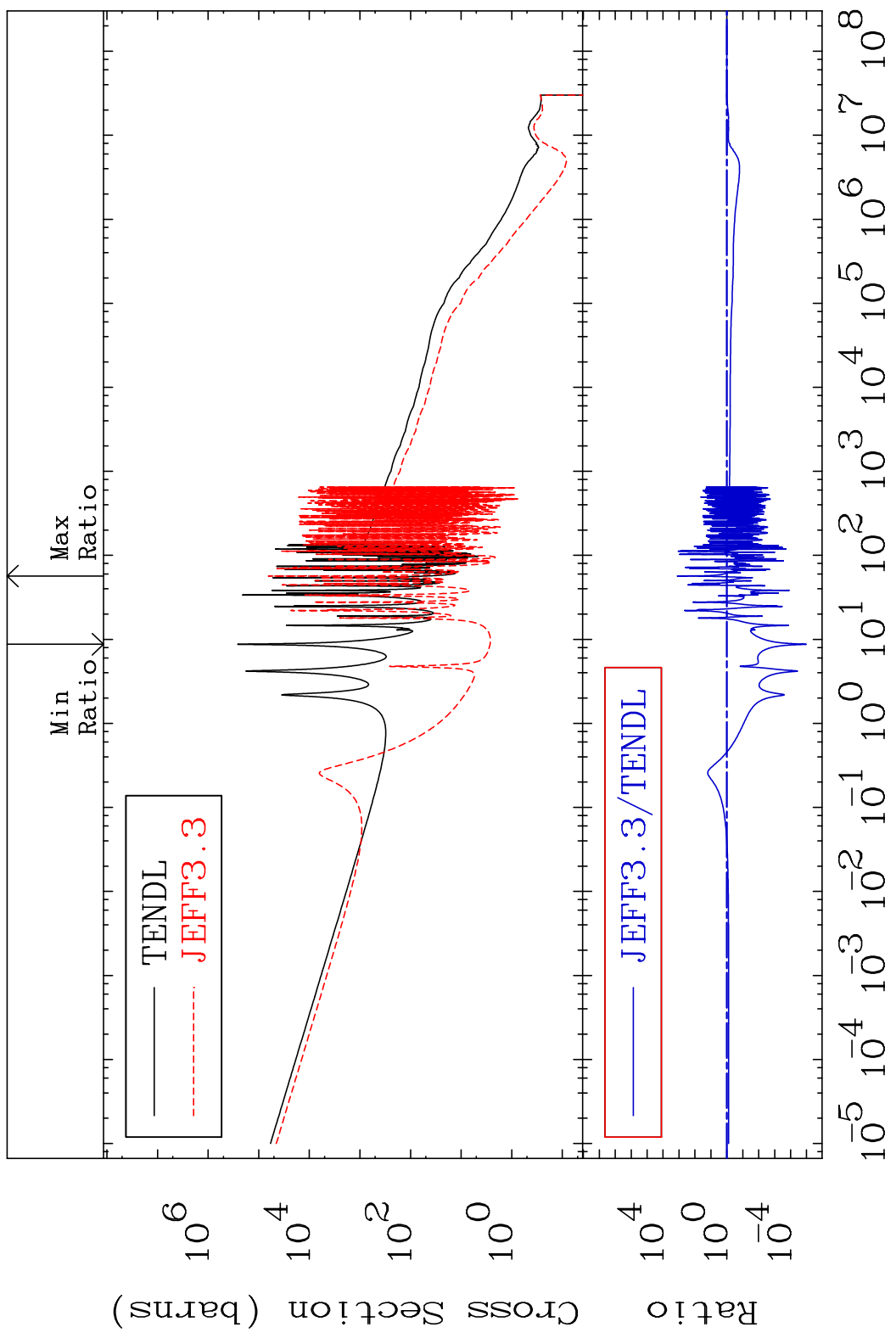


MAT 5128 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-122
 Cross Section -100.0 To 24.18 %



MAT 5128

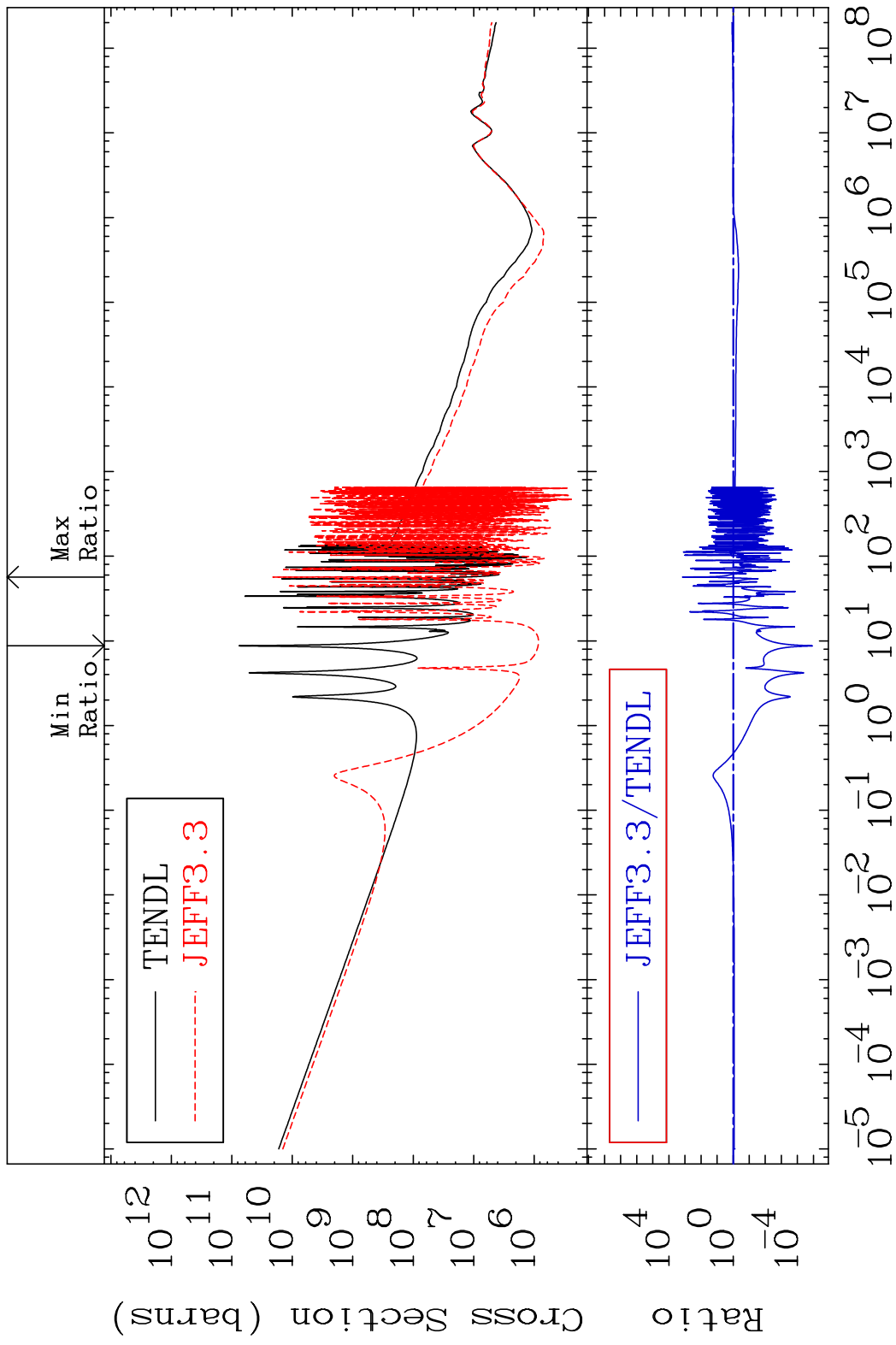
Kerma capture (mt102) 51-Sb-122
Cross Section -100.0 To 9999. %



72

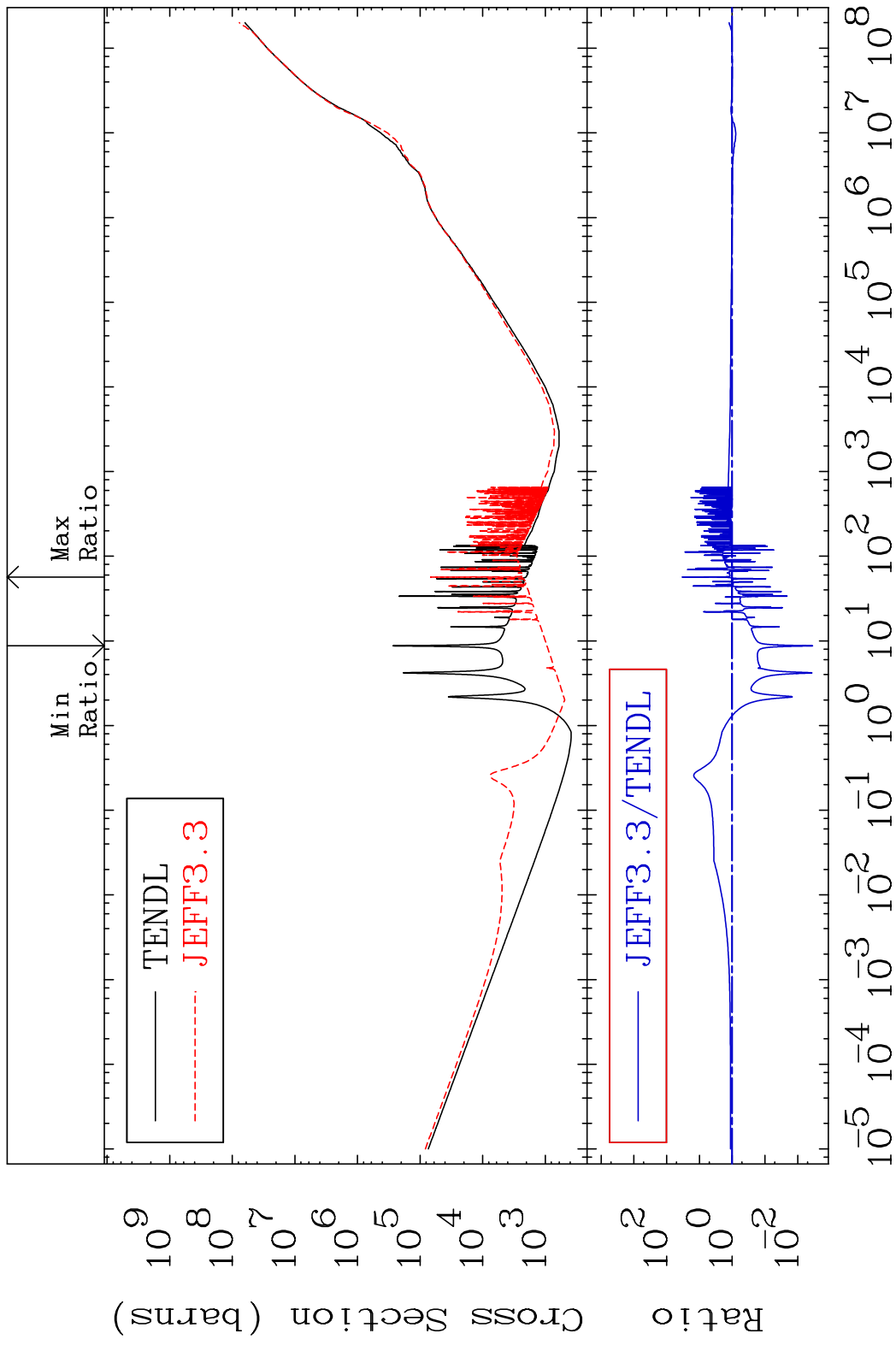
Incident Energy (eV) 51-Sb-122

MAT 5128 Total photon (eV-barns) 51-Sb-122
 Cross Section -100.0 To 9999. %



73 Incident Energy (eV) 51-Sb-122

MAT 5128 Total kinematic kerma (high limit) 51-Sb-122
 Cross Section -99.65 To 3209. %

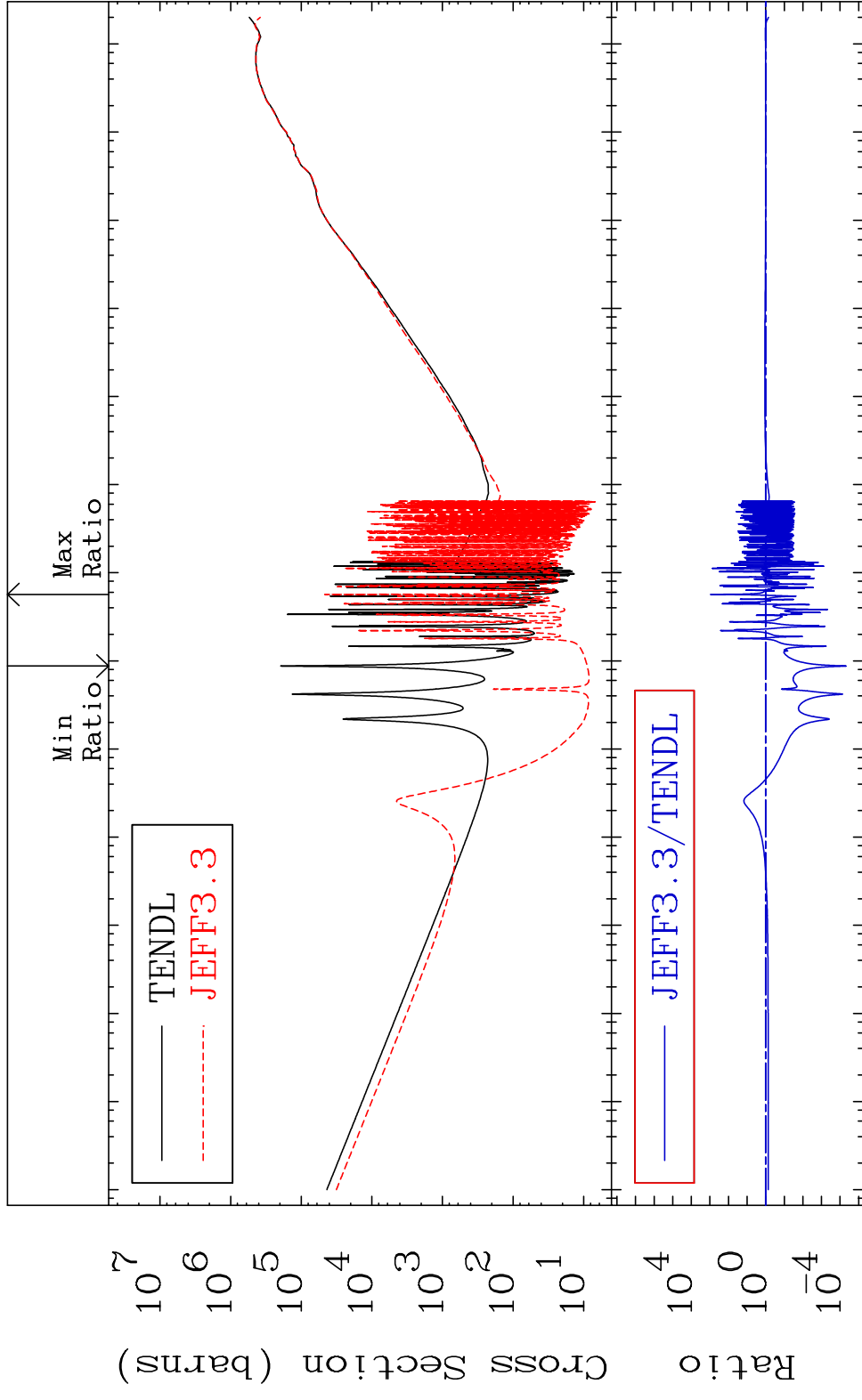


MAT 5128

Dpa total (eV-barns)

51-Sb-122

Cross Section -100.0 To 9999. %



75

Incident Energy (eV)

51-Sb-122

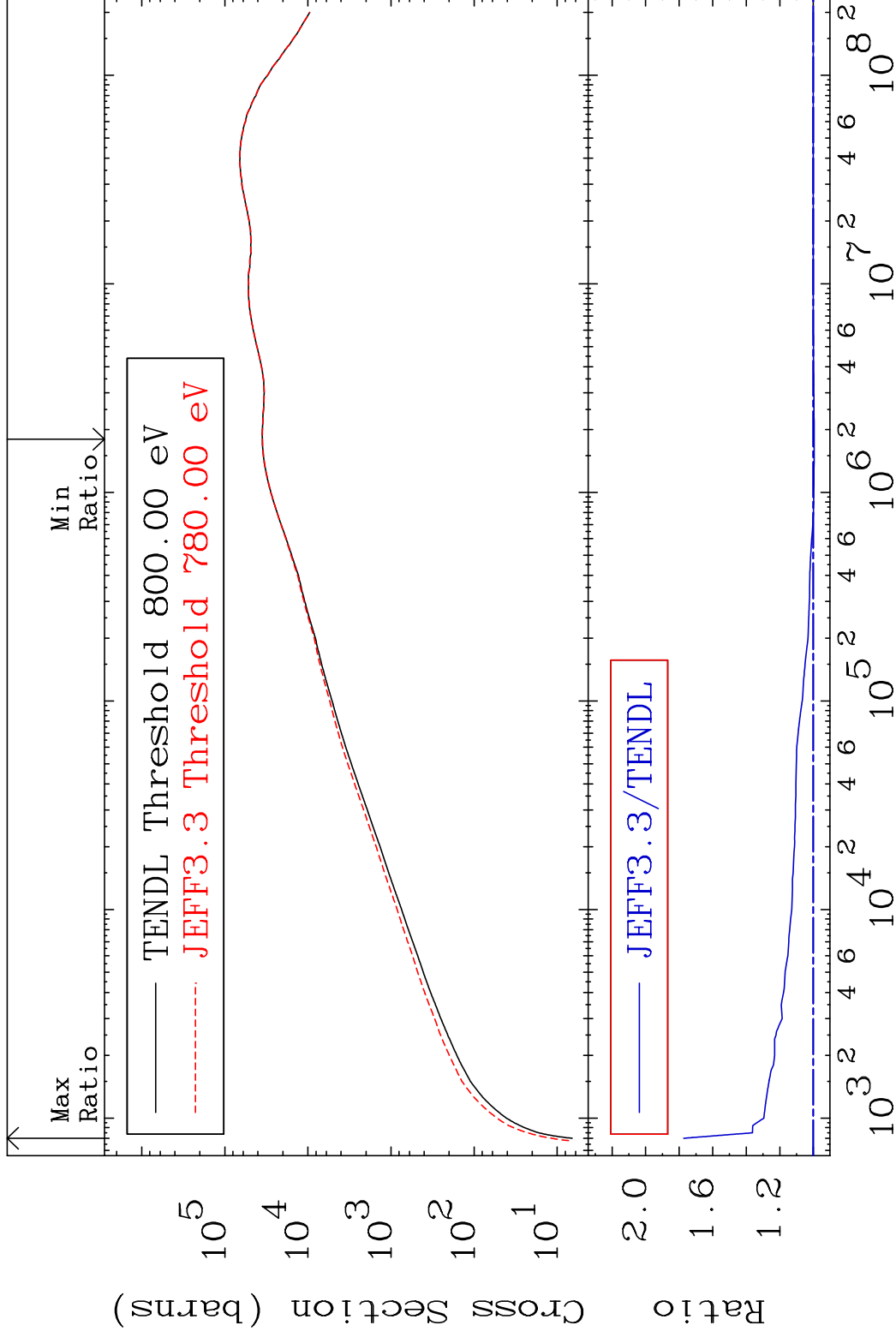
MAT 5128

Dpa elastic (mt2)

51-Sb-122

Cross Section

-0.461 To 77.32 %

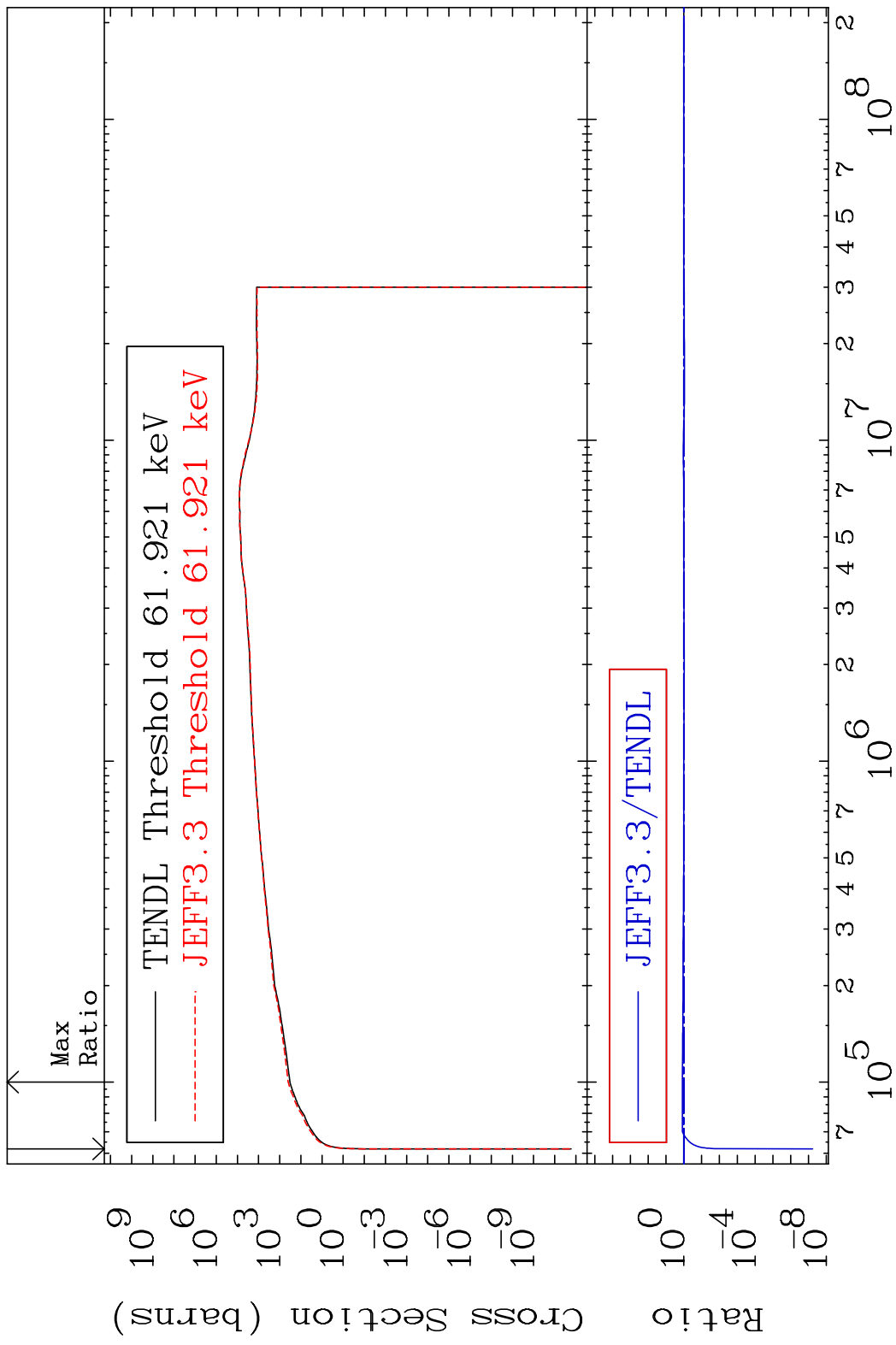


76

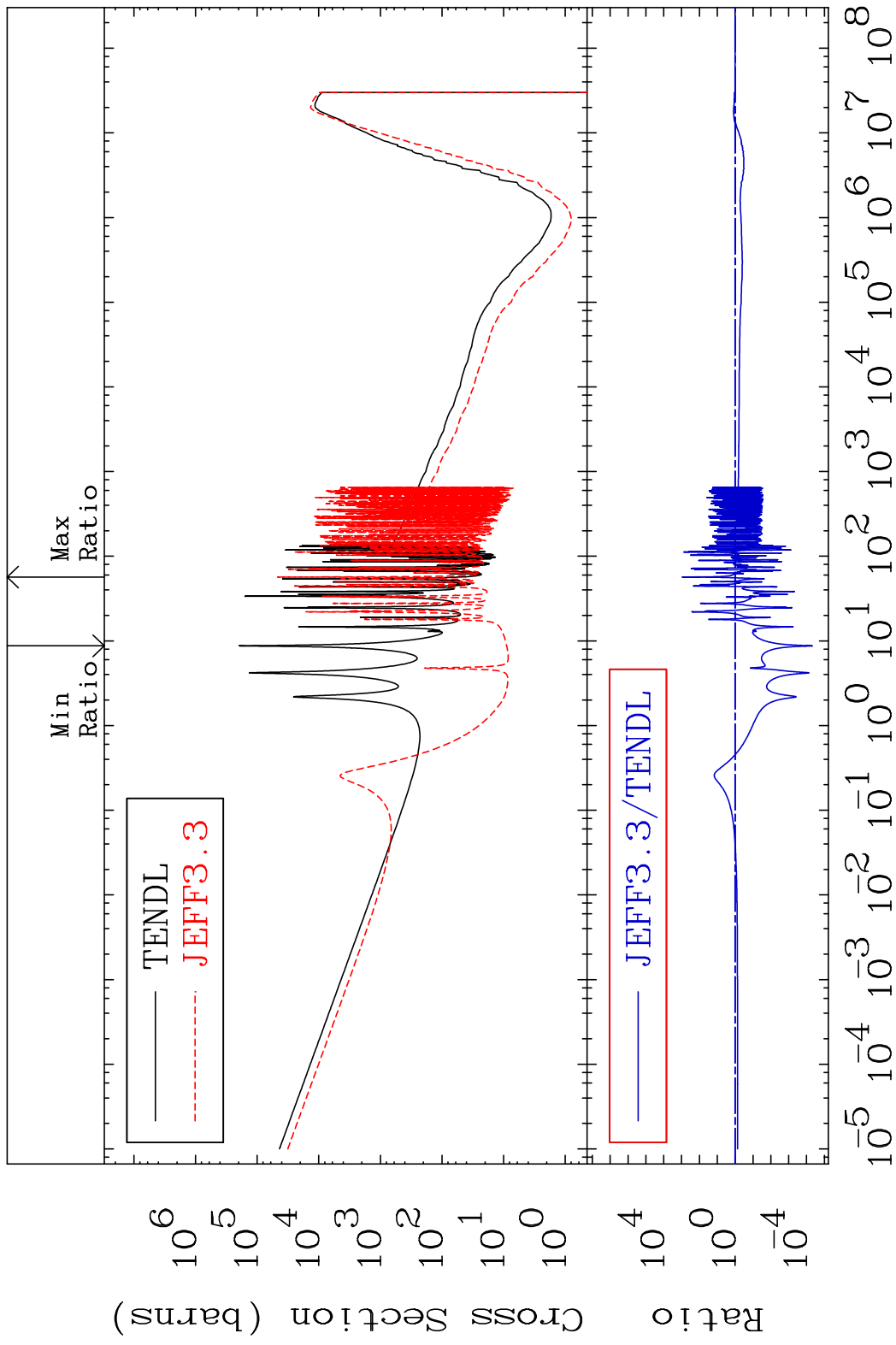
Incident Energy (eV)

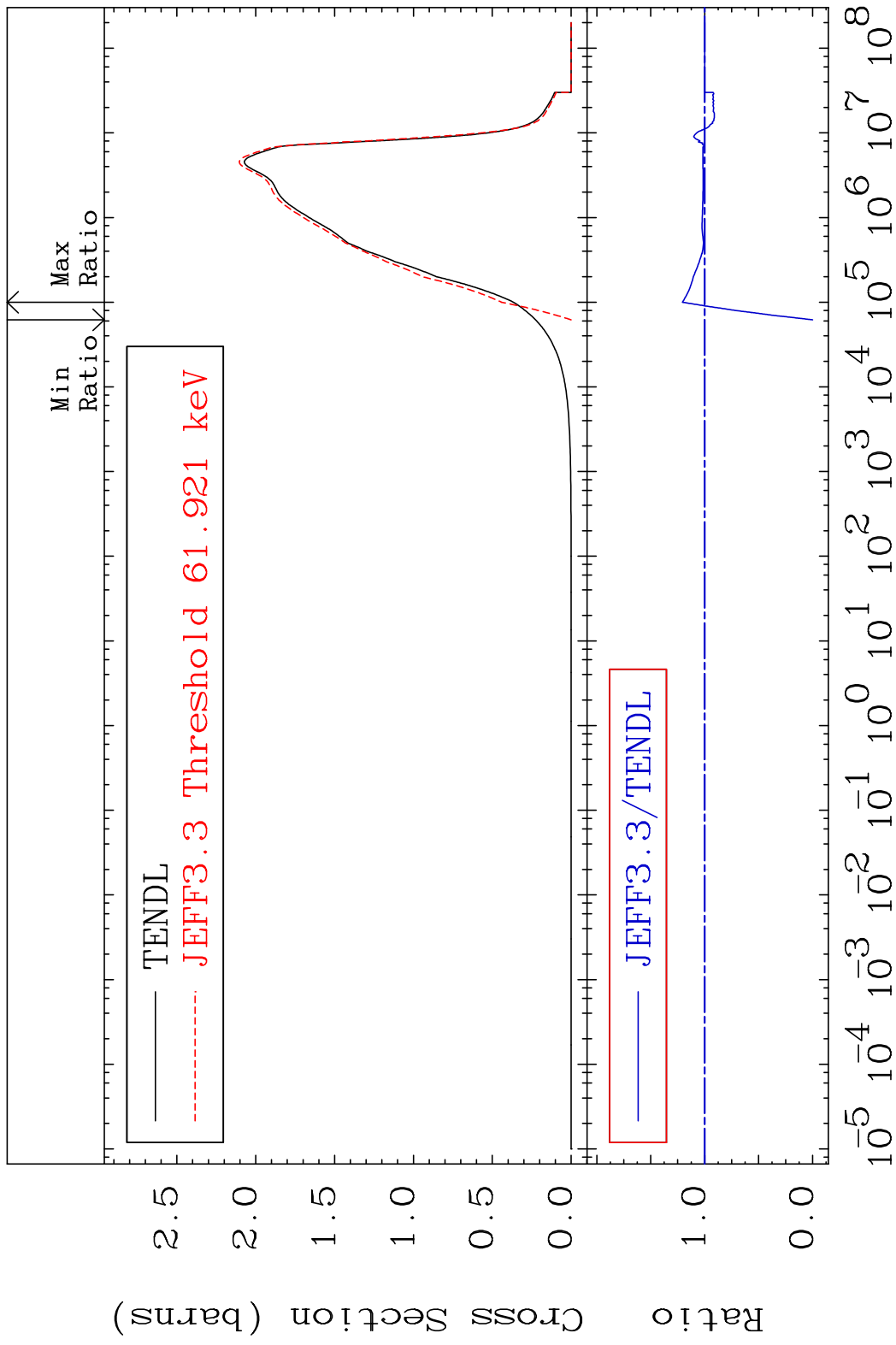
51-Sb-122

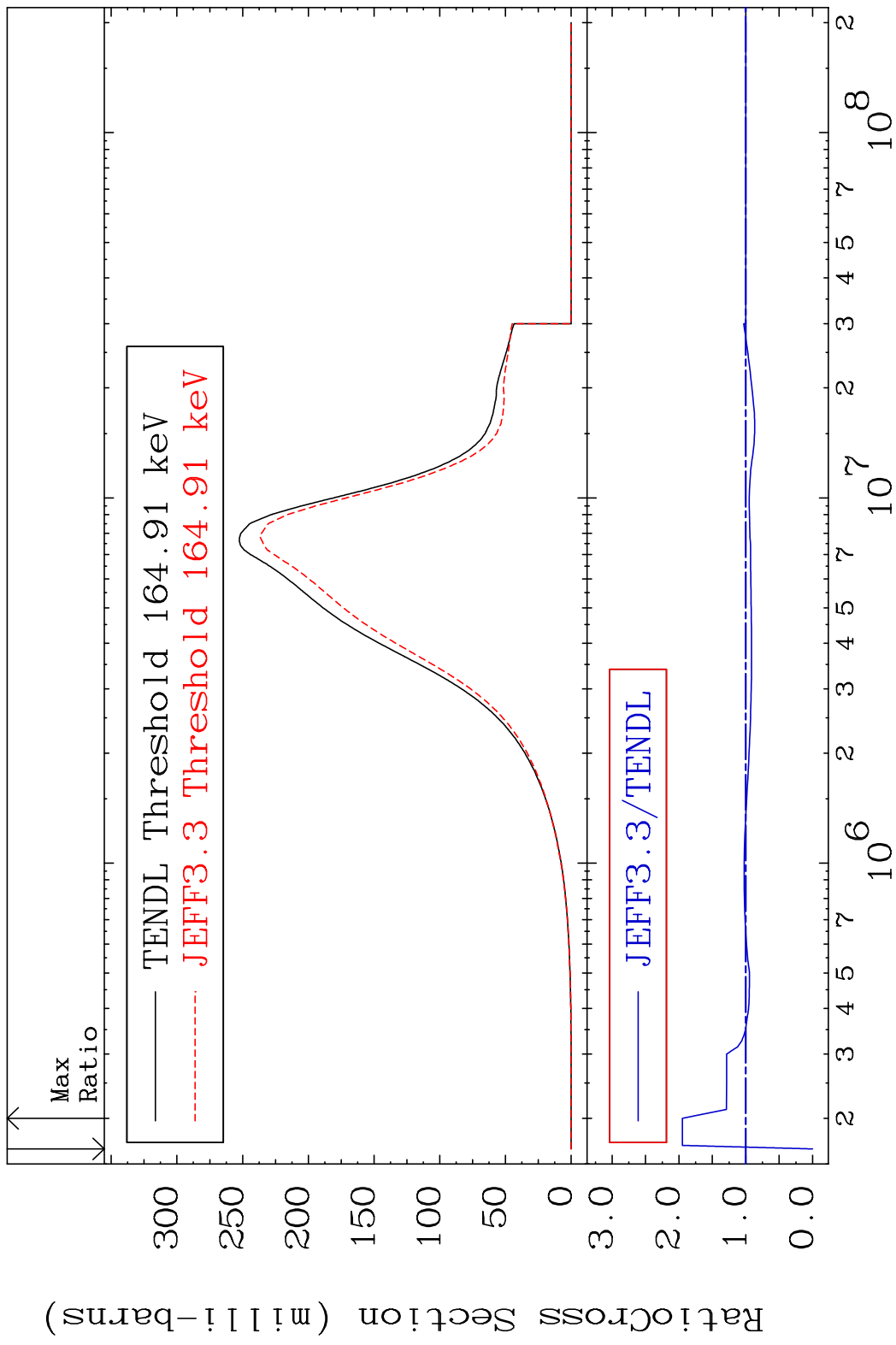
MAT 5128 Dpa inelastic (mt51-91) 51-Sb-122
 Cross Section -100.0 To 20.65 %

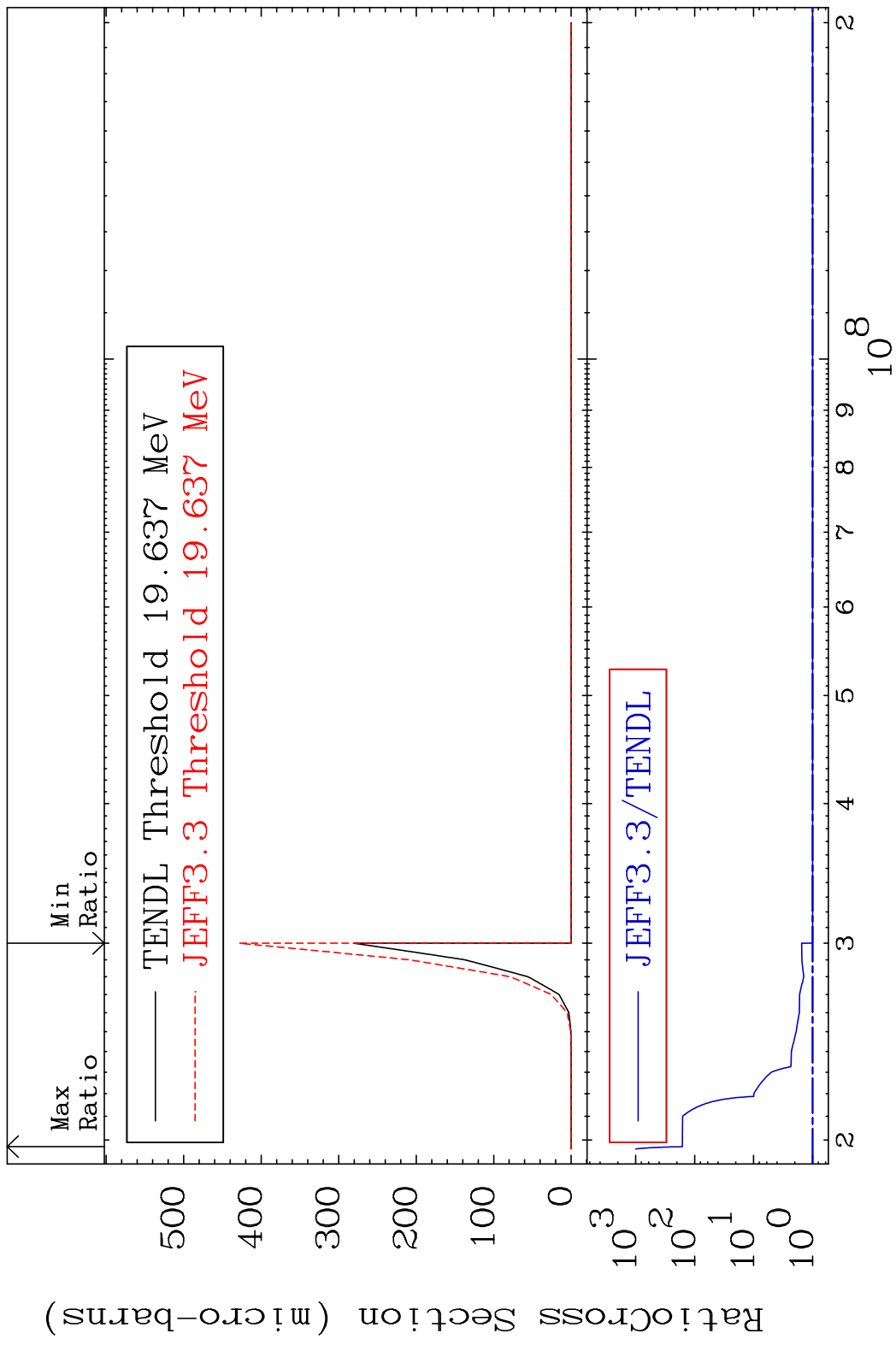


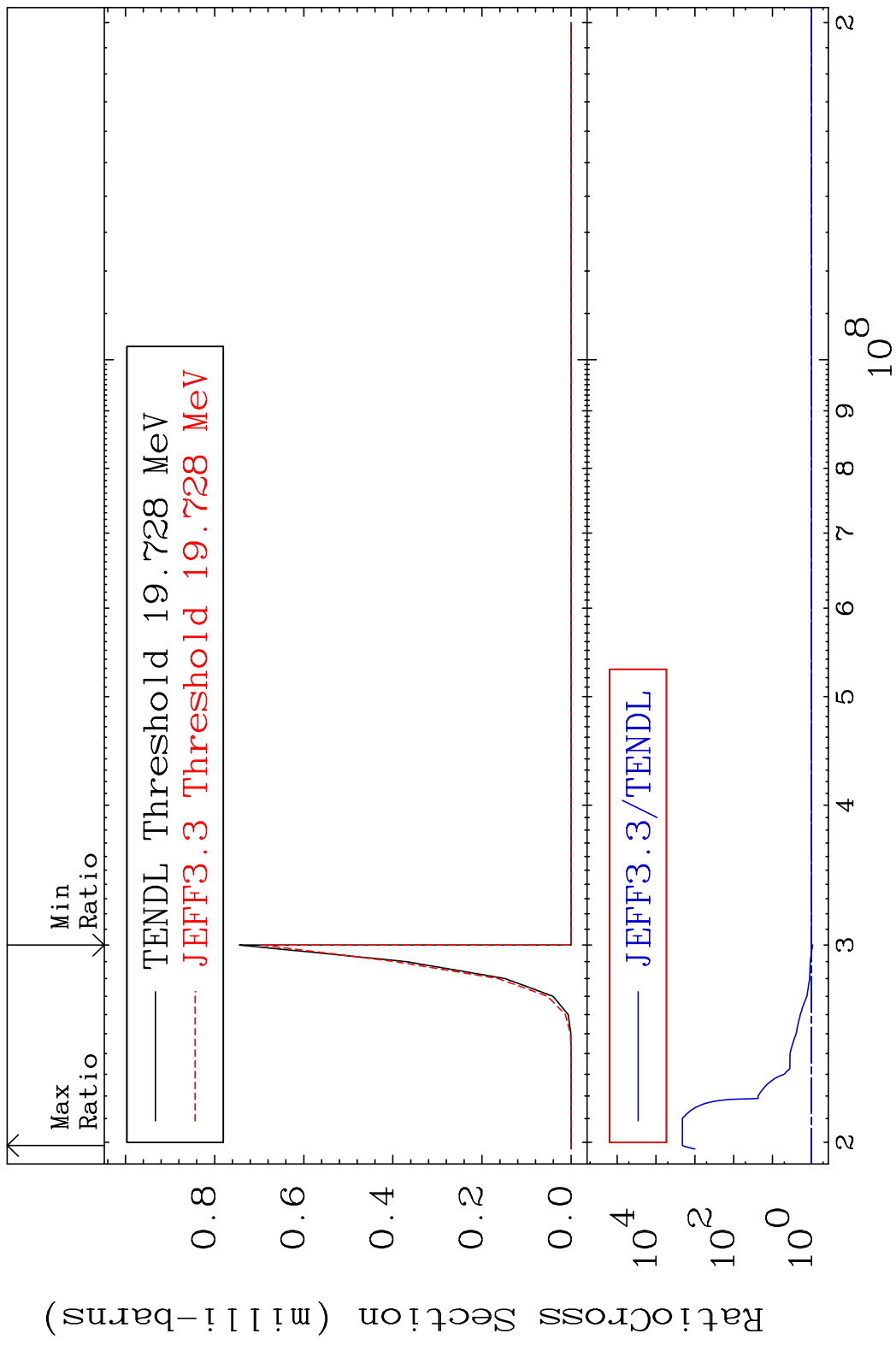
MAT 5128 Dpa disappearance (mt102 -120) 51-Sb-122
 Cross Section -100.0 To 9999. %



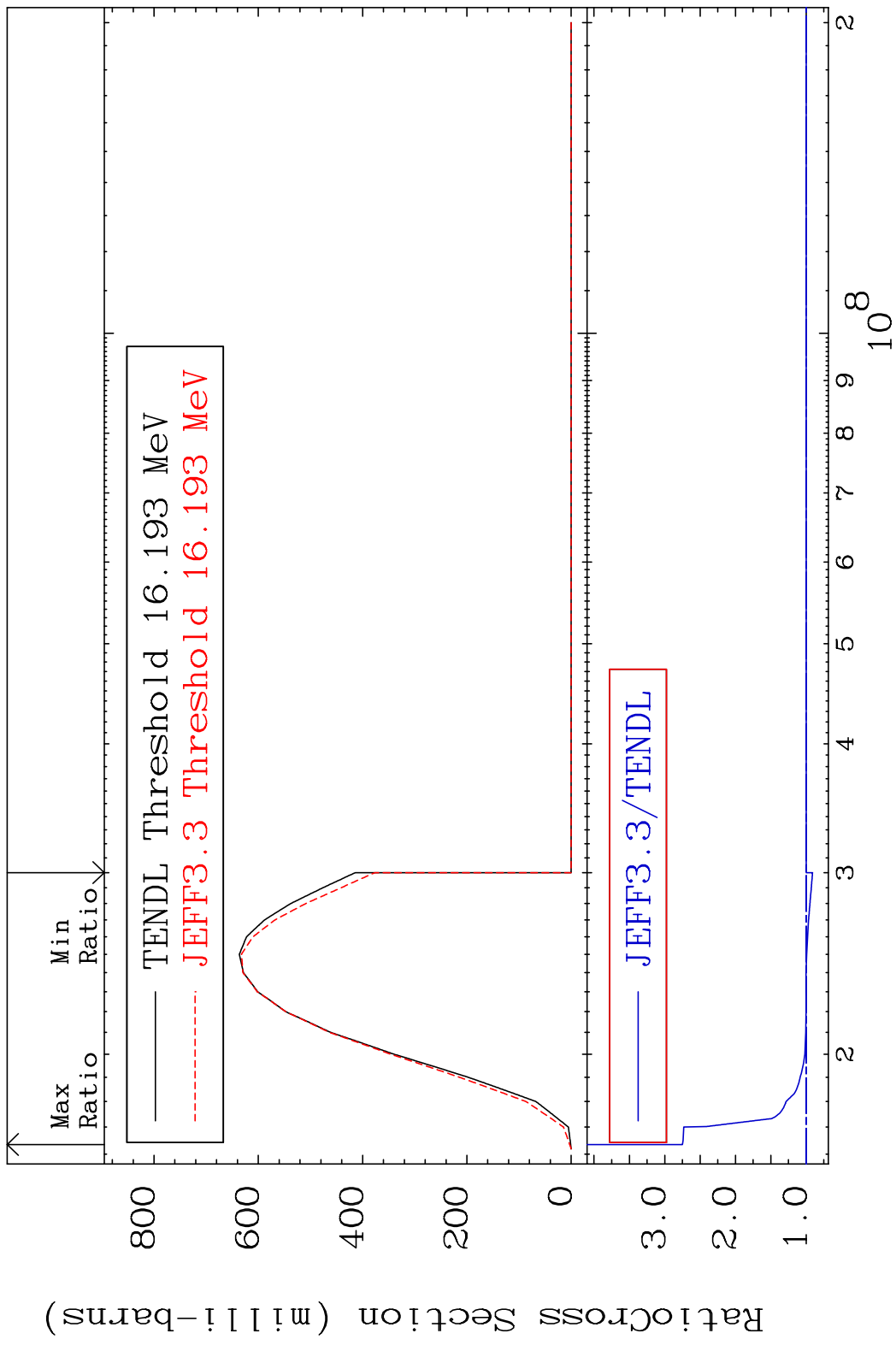


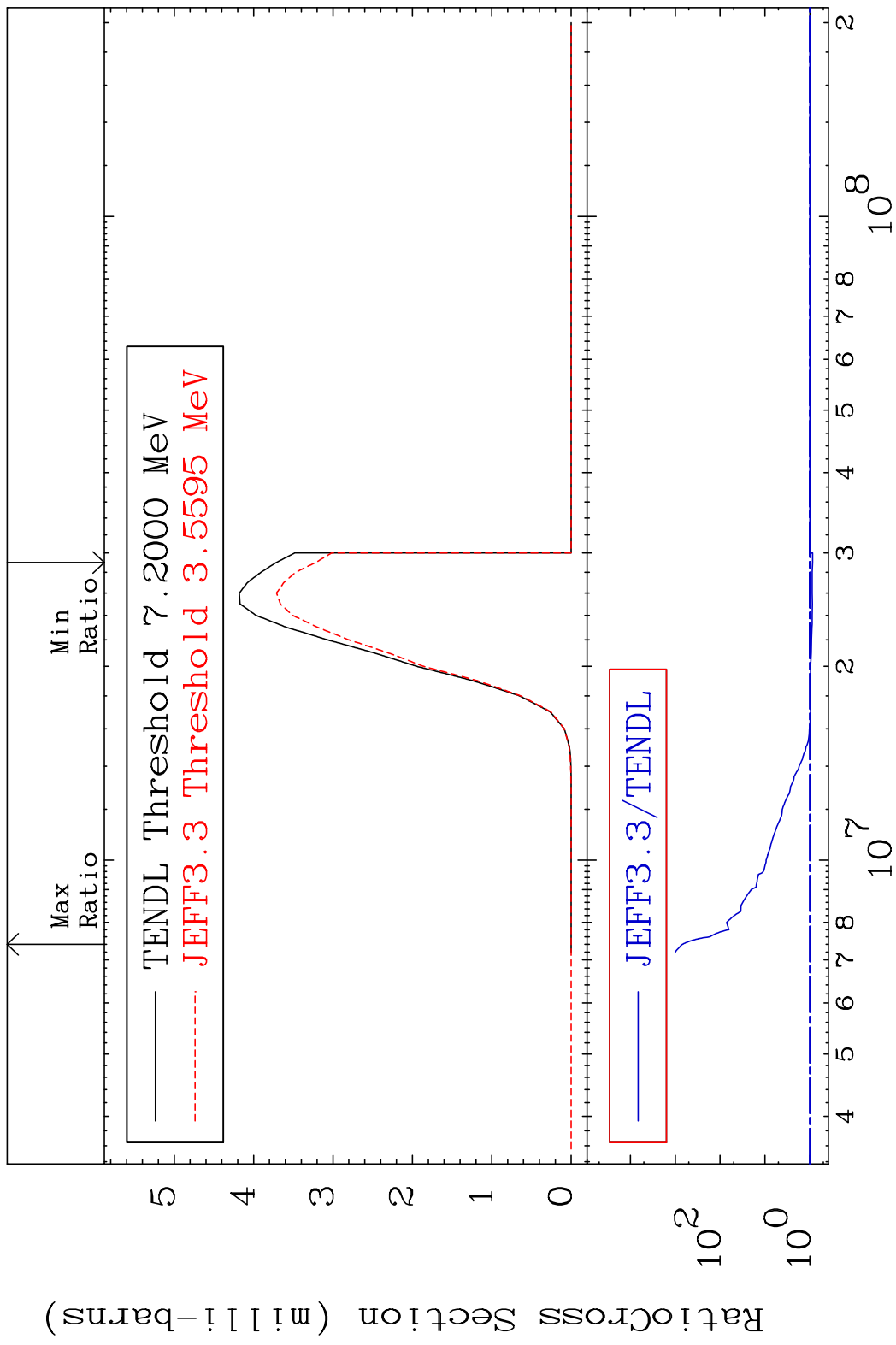


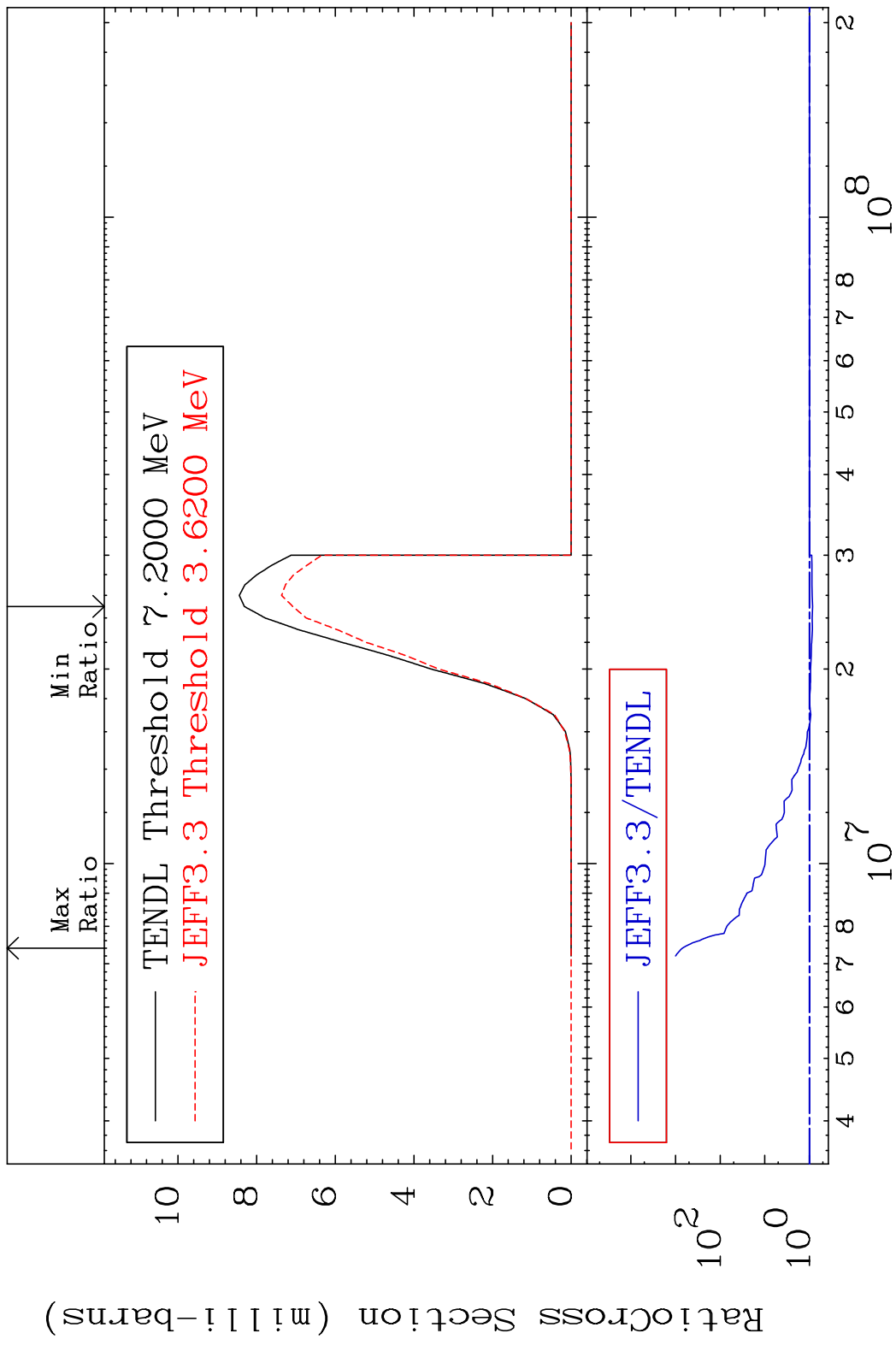


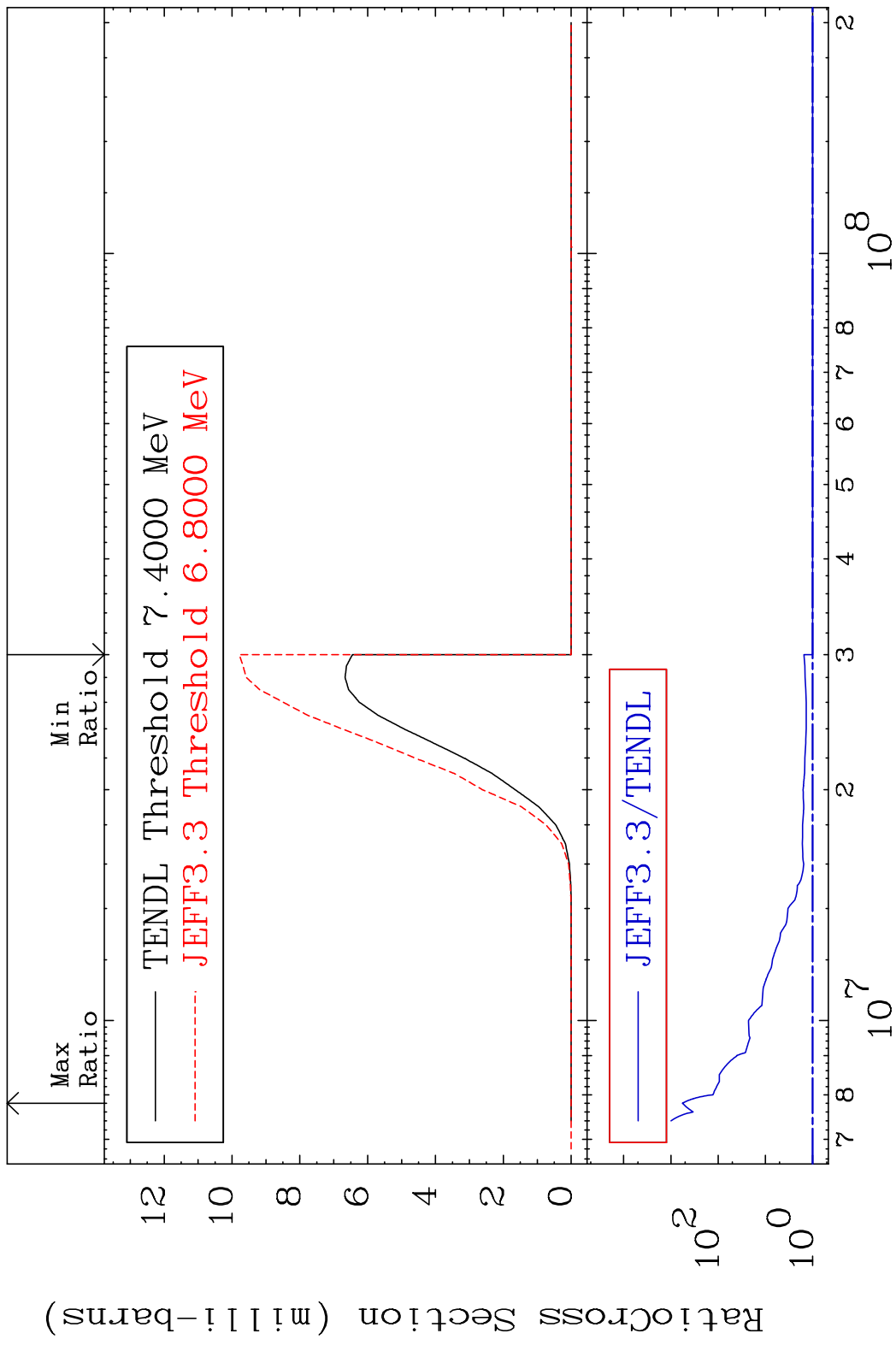


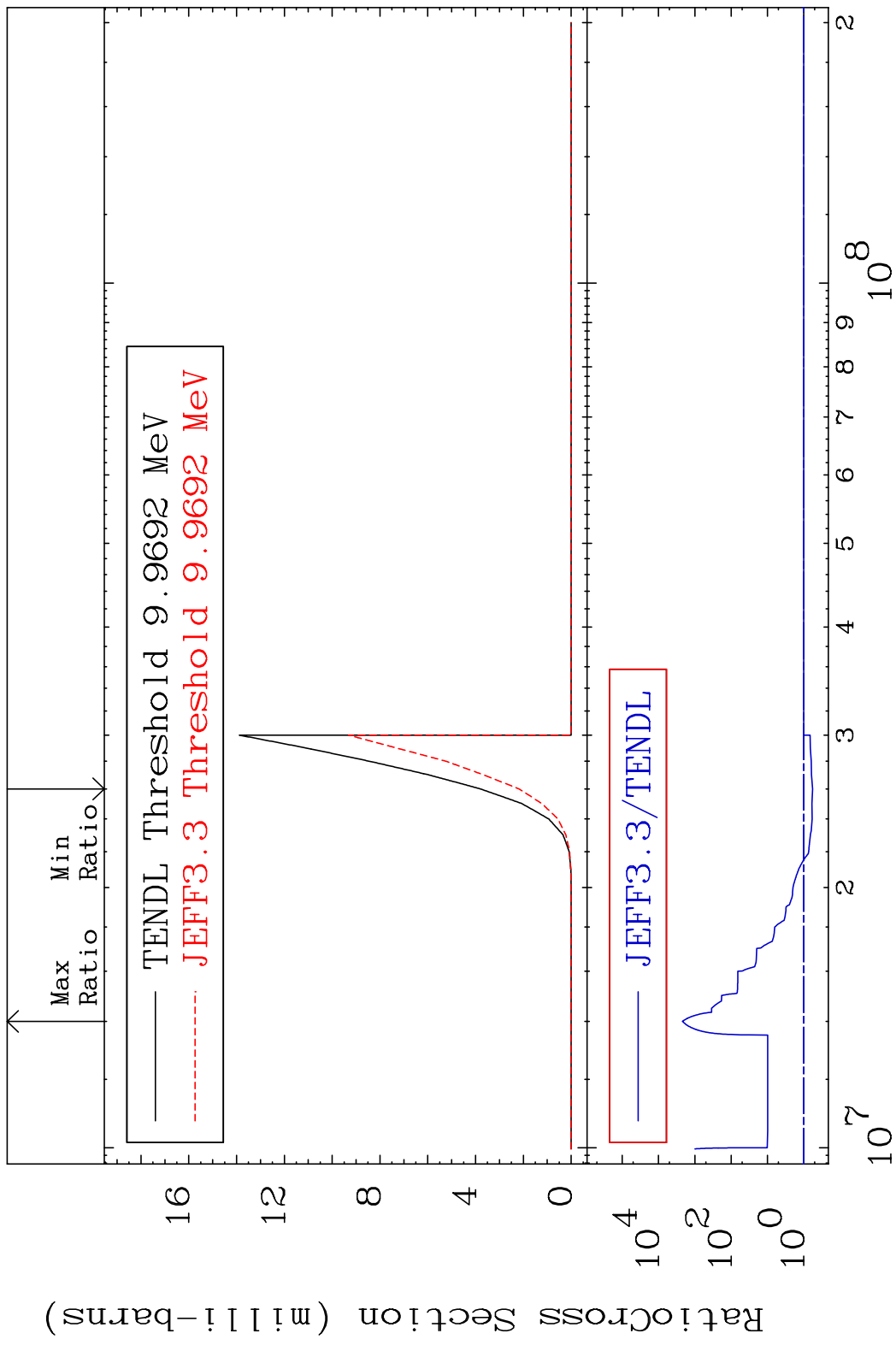
MAT 5128 (n,3n):51-Sb-120g 51-Sb-122
 Radionuclide Production Cross Section 175.1 %

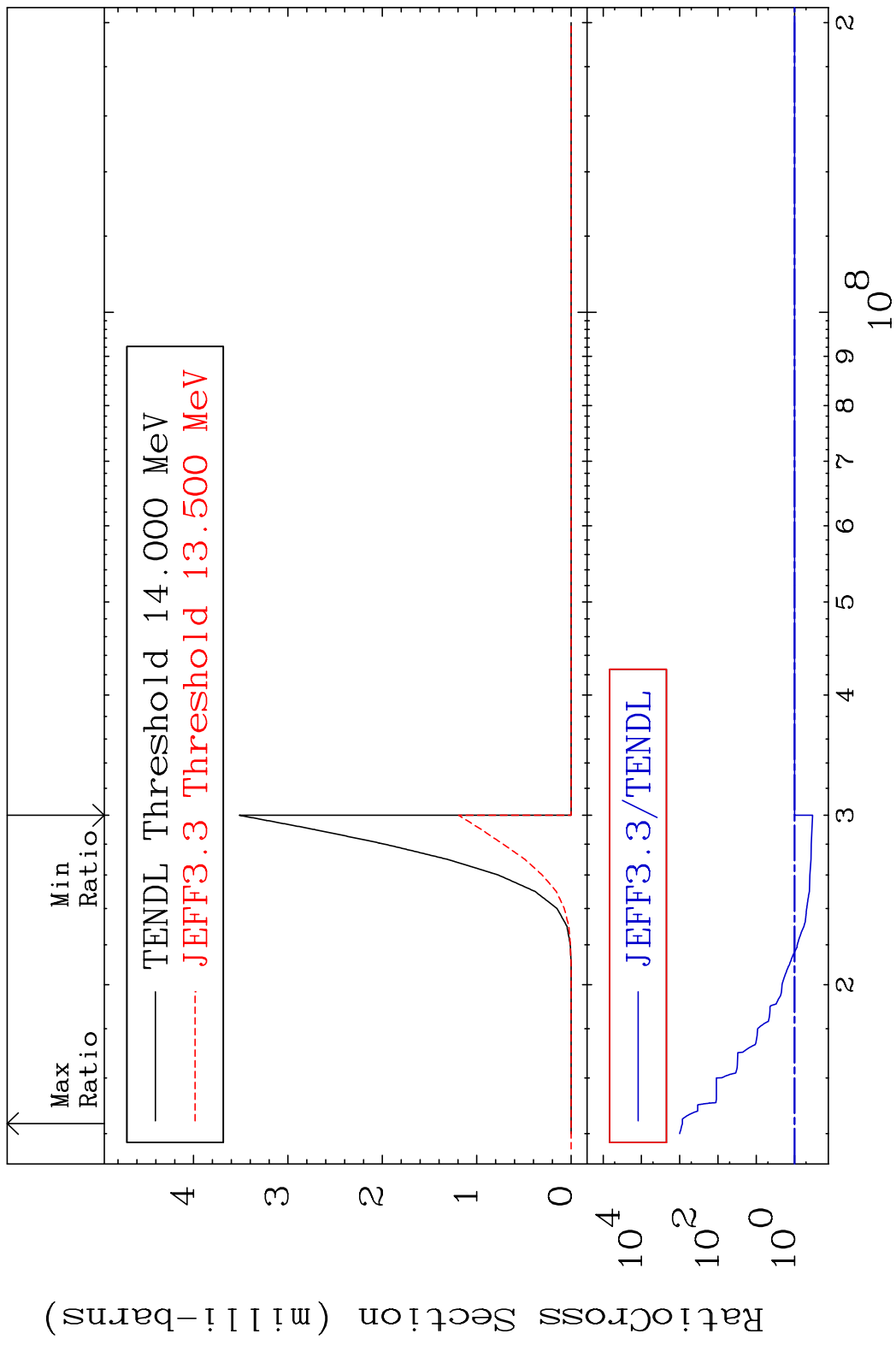


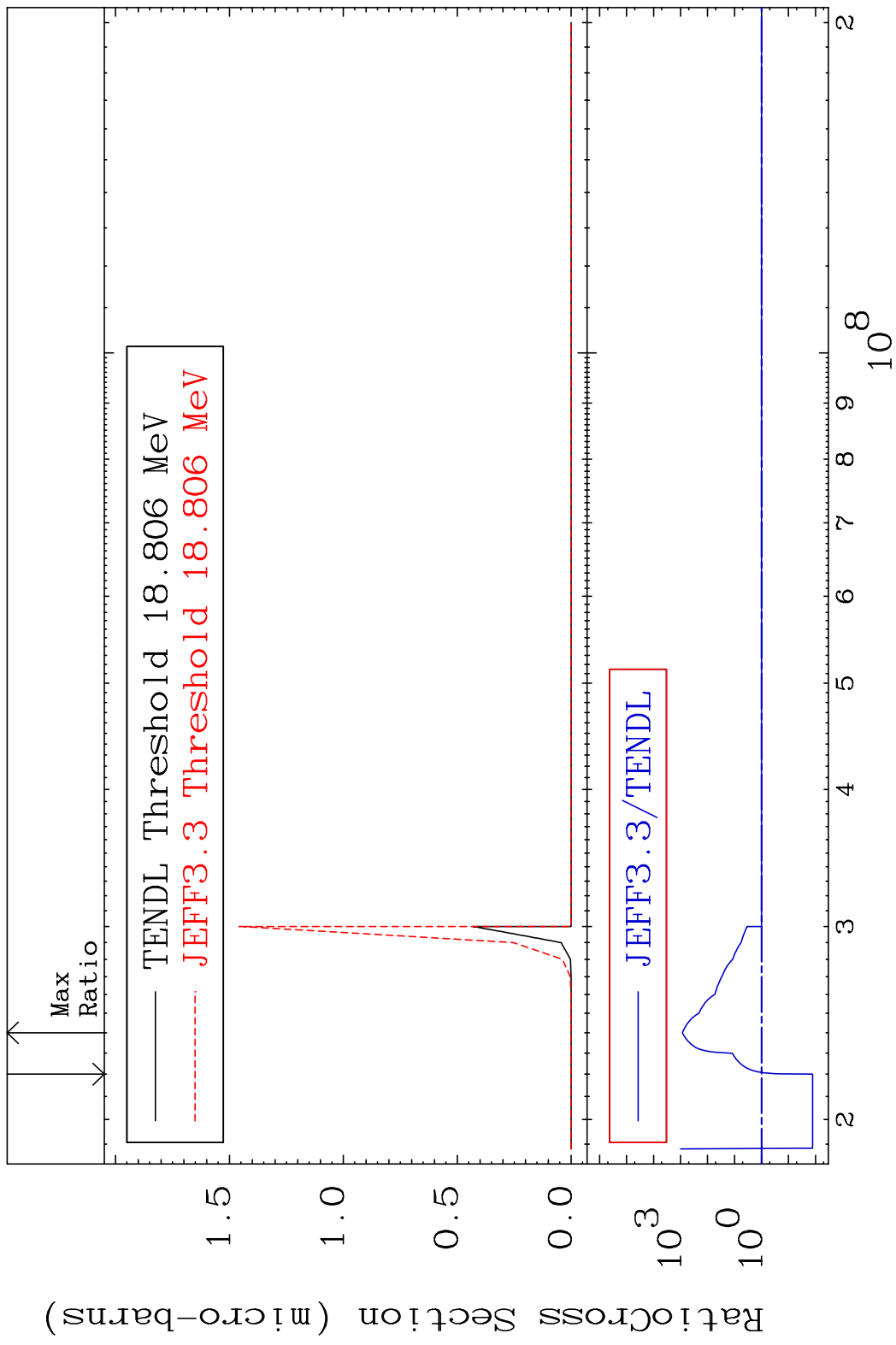


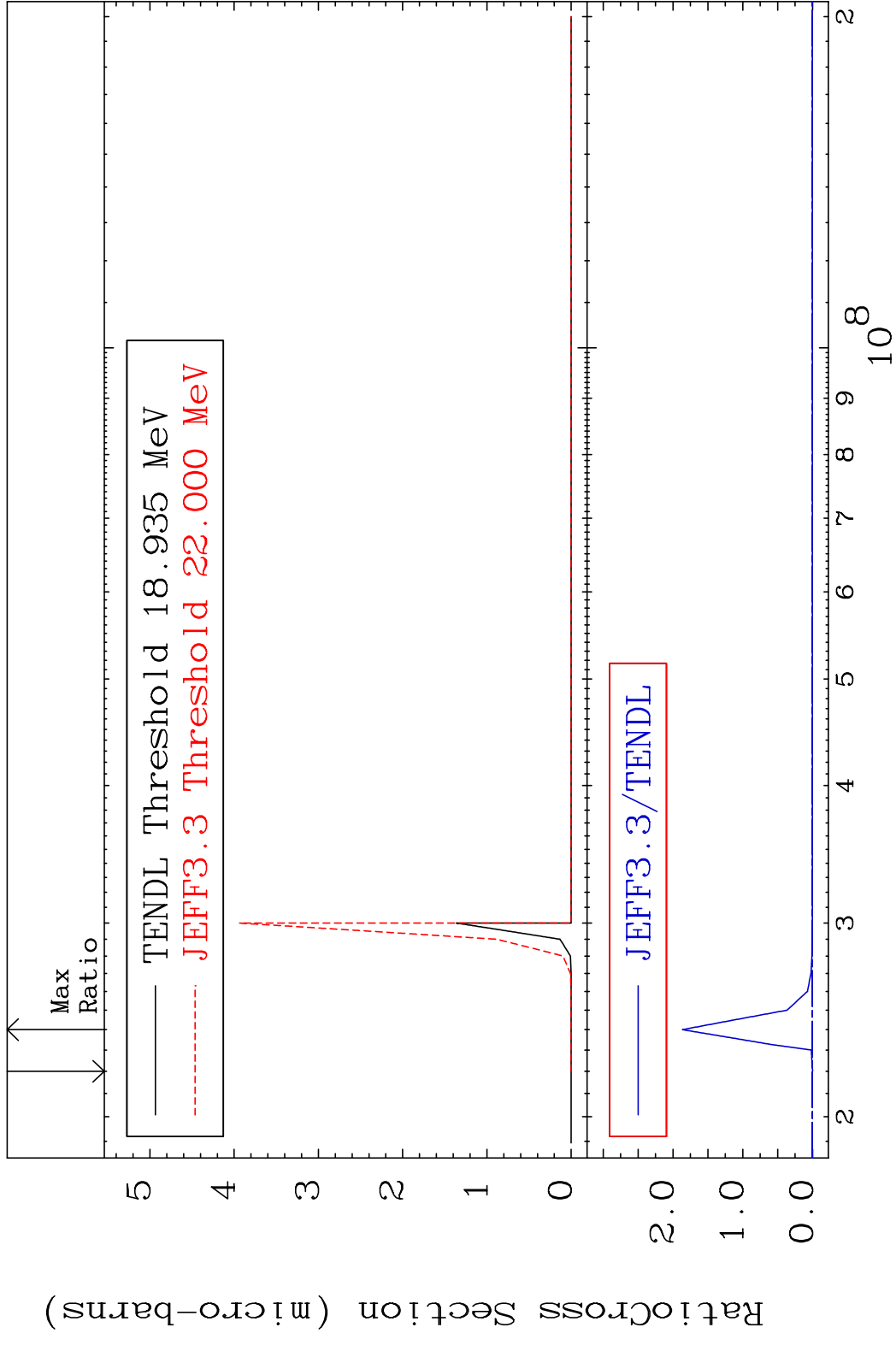


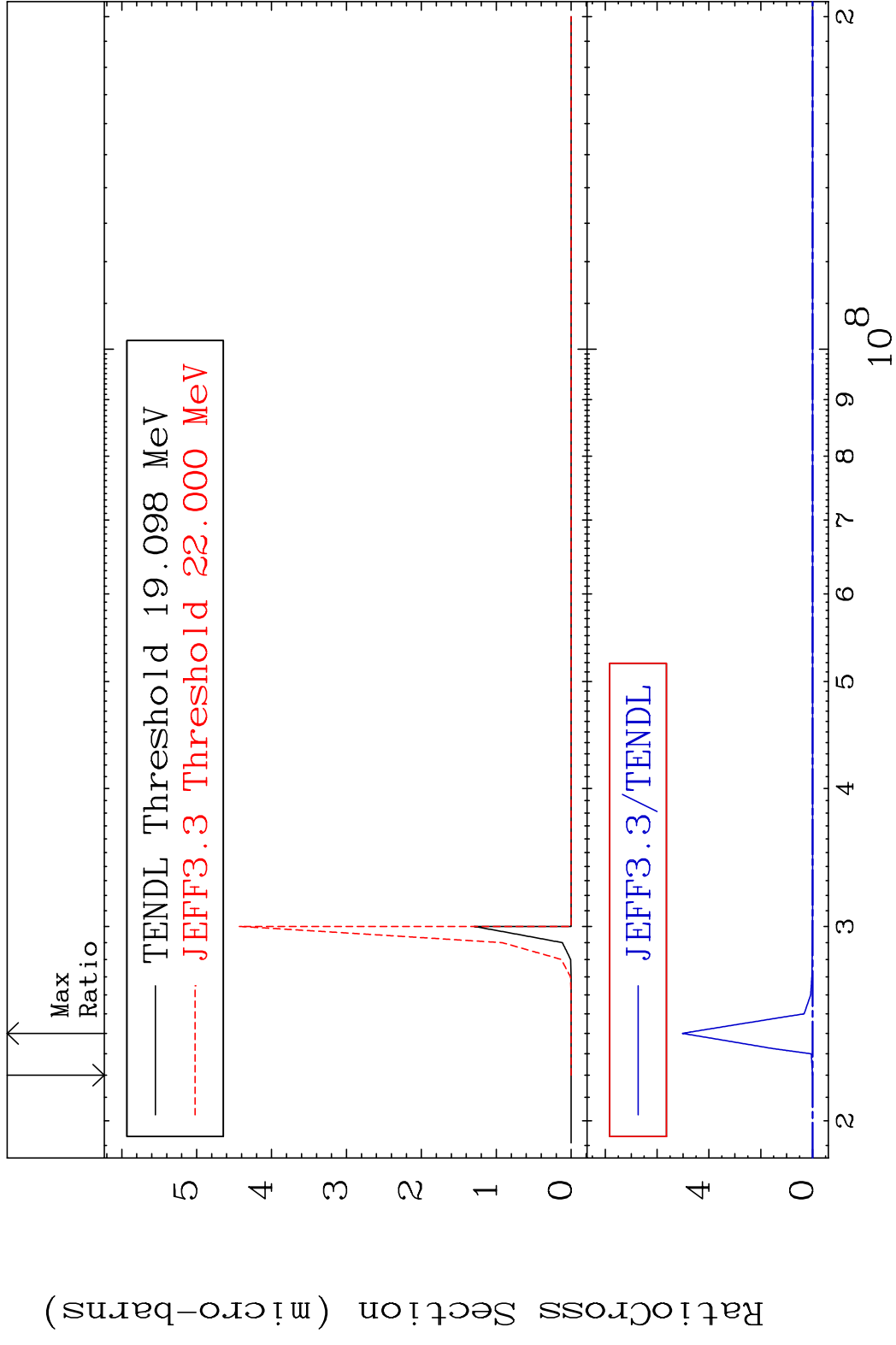




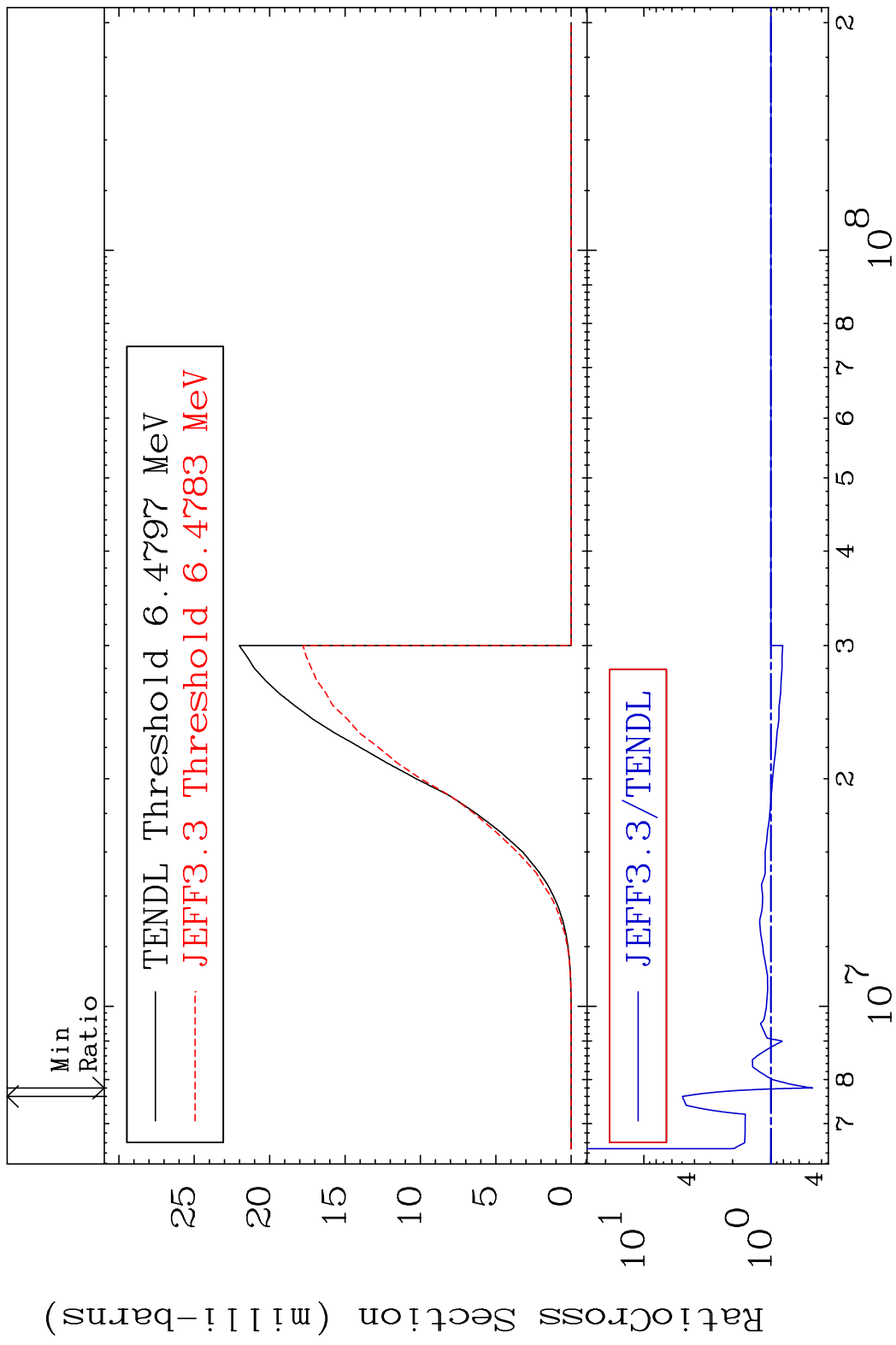




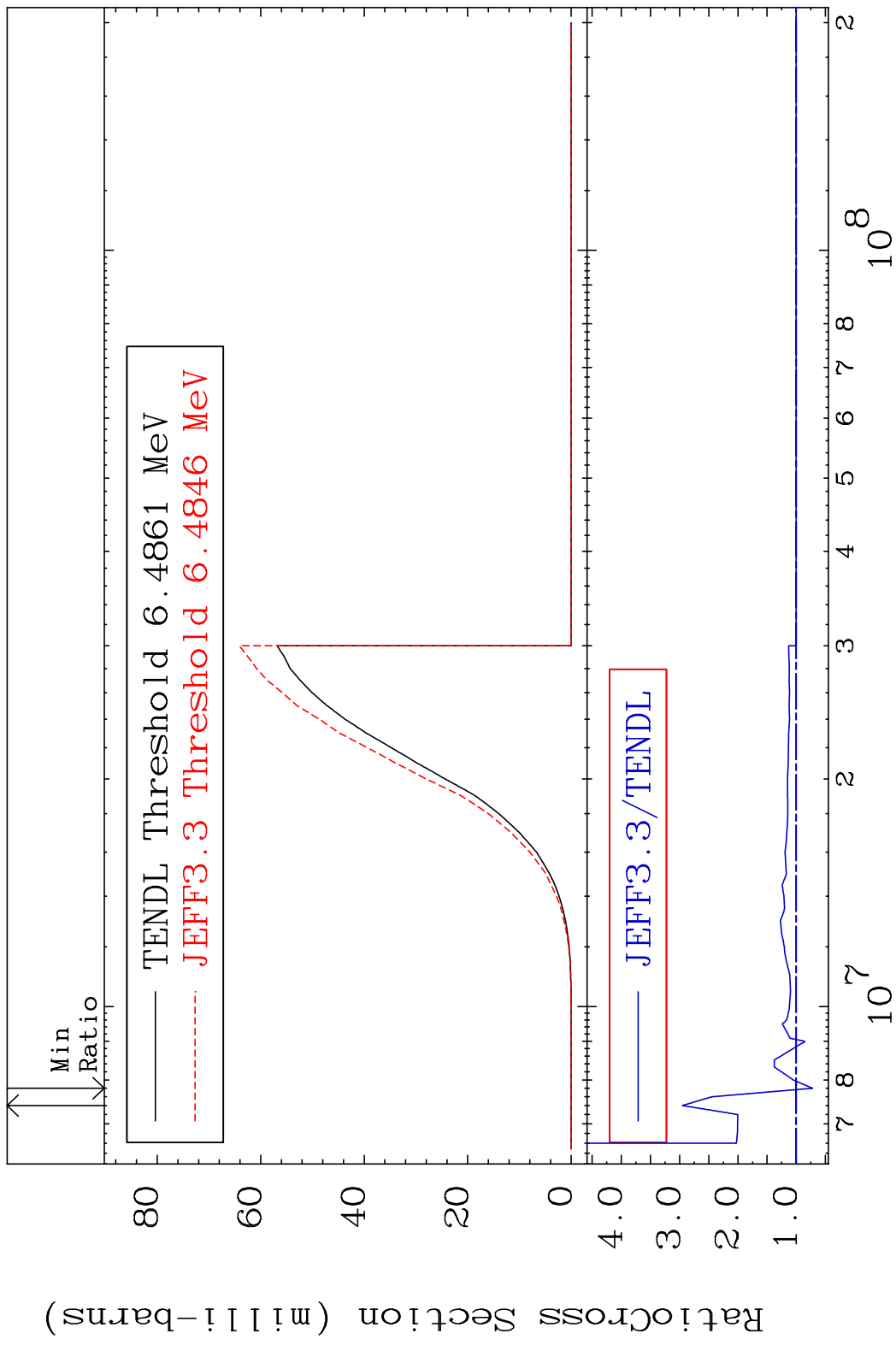


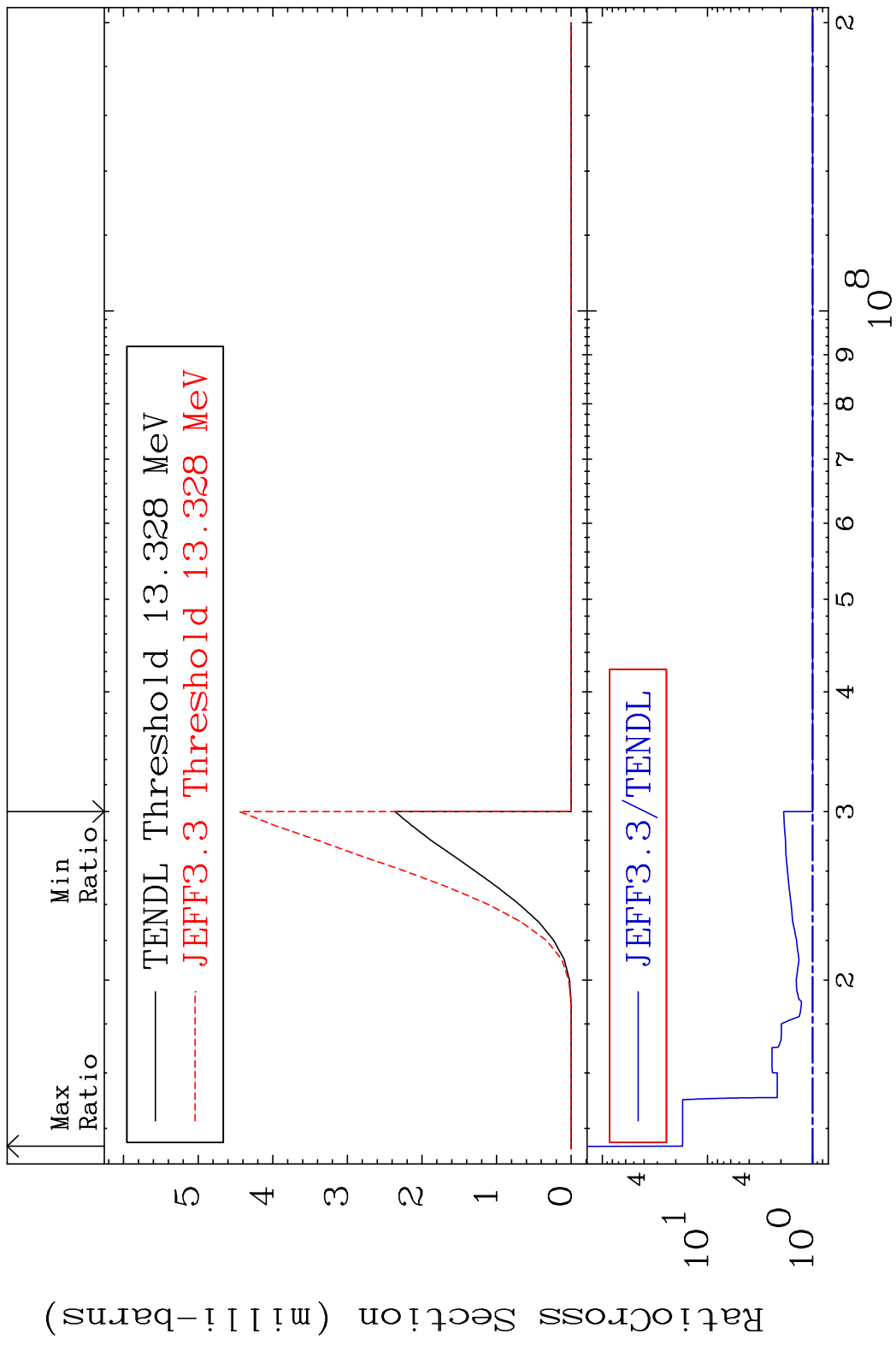


MAT 5128 (n, n') p:50-Sn-121g 51-Sb-122
 Radionuclide Production Cross Section 52e681d10 397.1 %

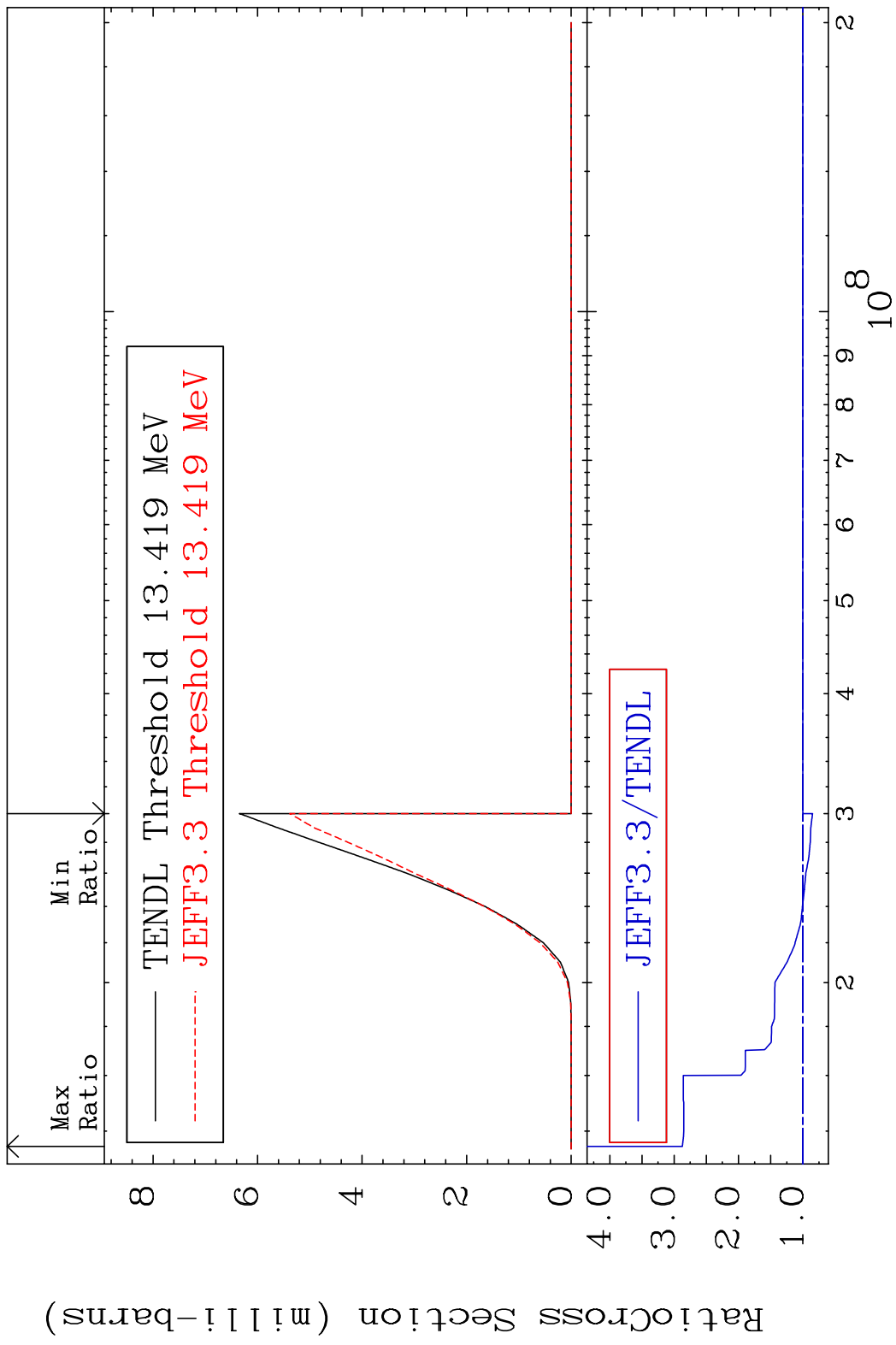


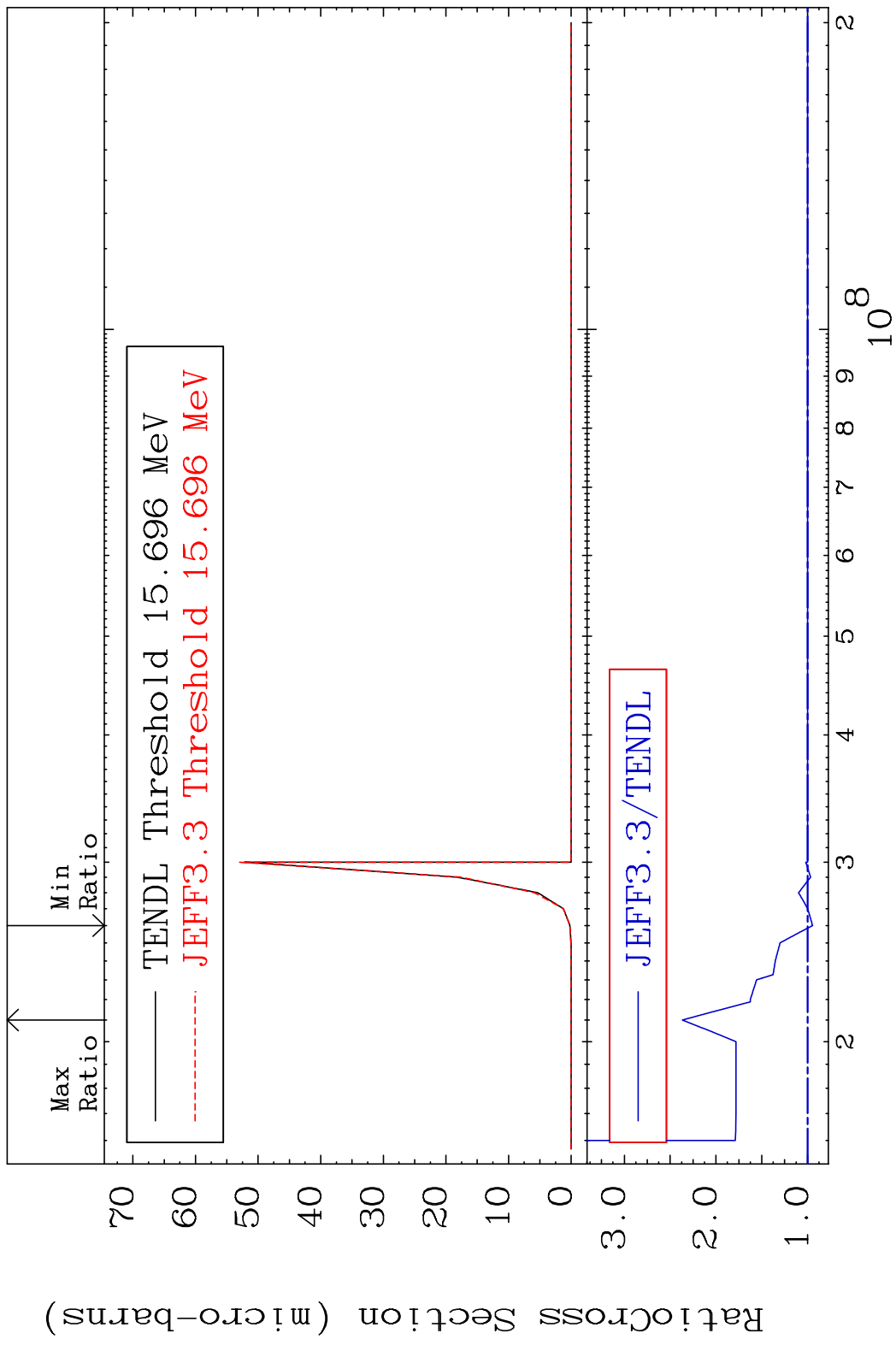
MAT 5128 (n, n') p:50-Sn-121m1 51-Sb-122
 Radionuclide Production Cross Section 195.3 %

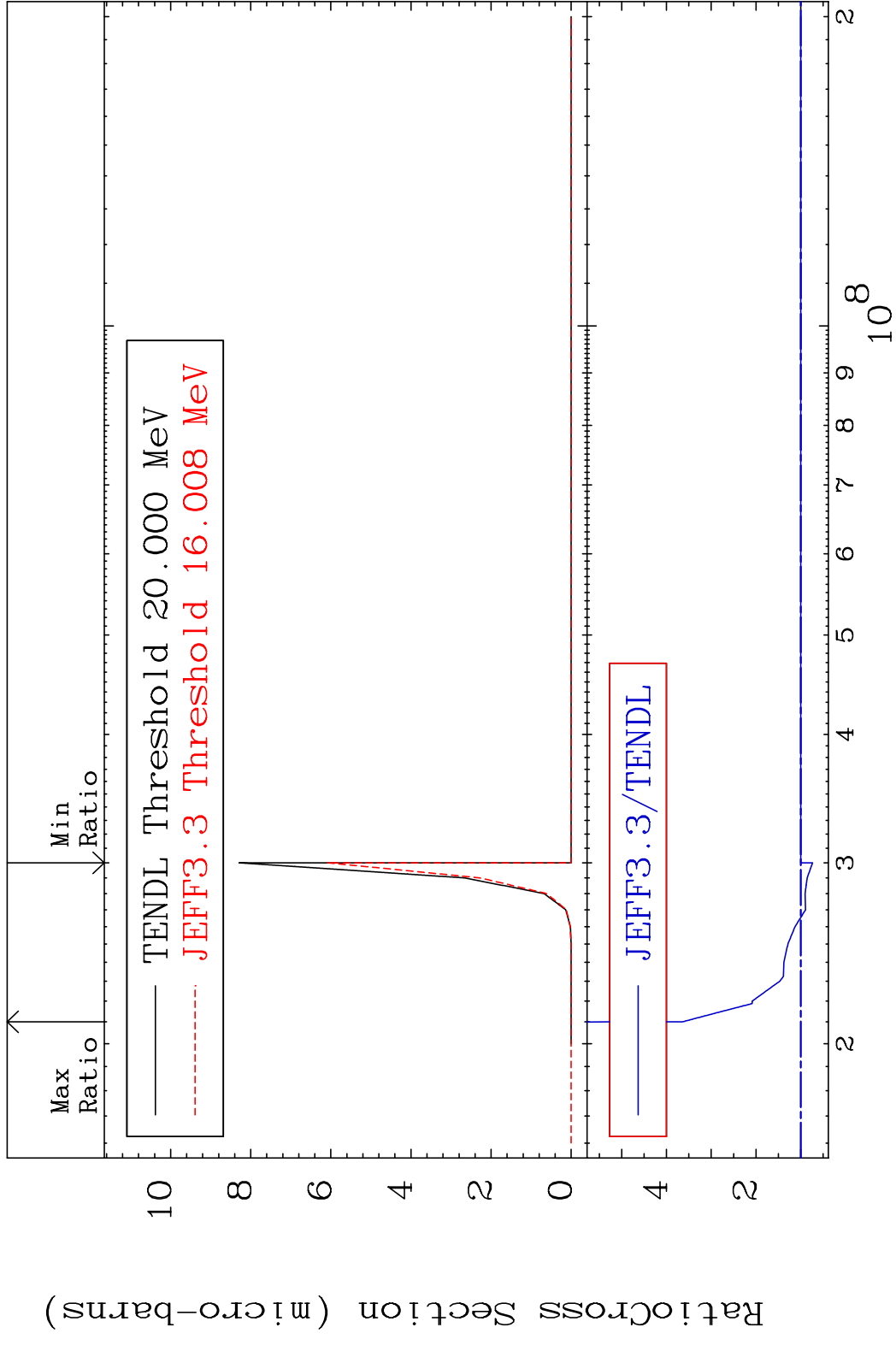


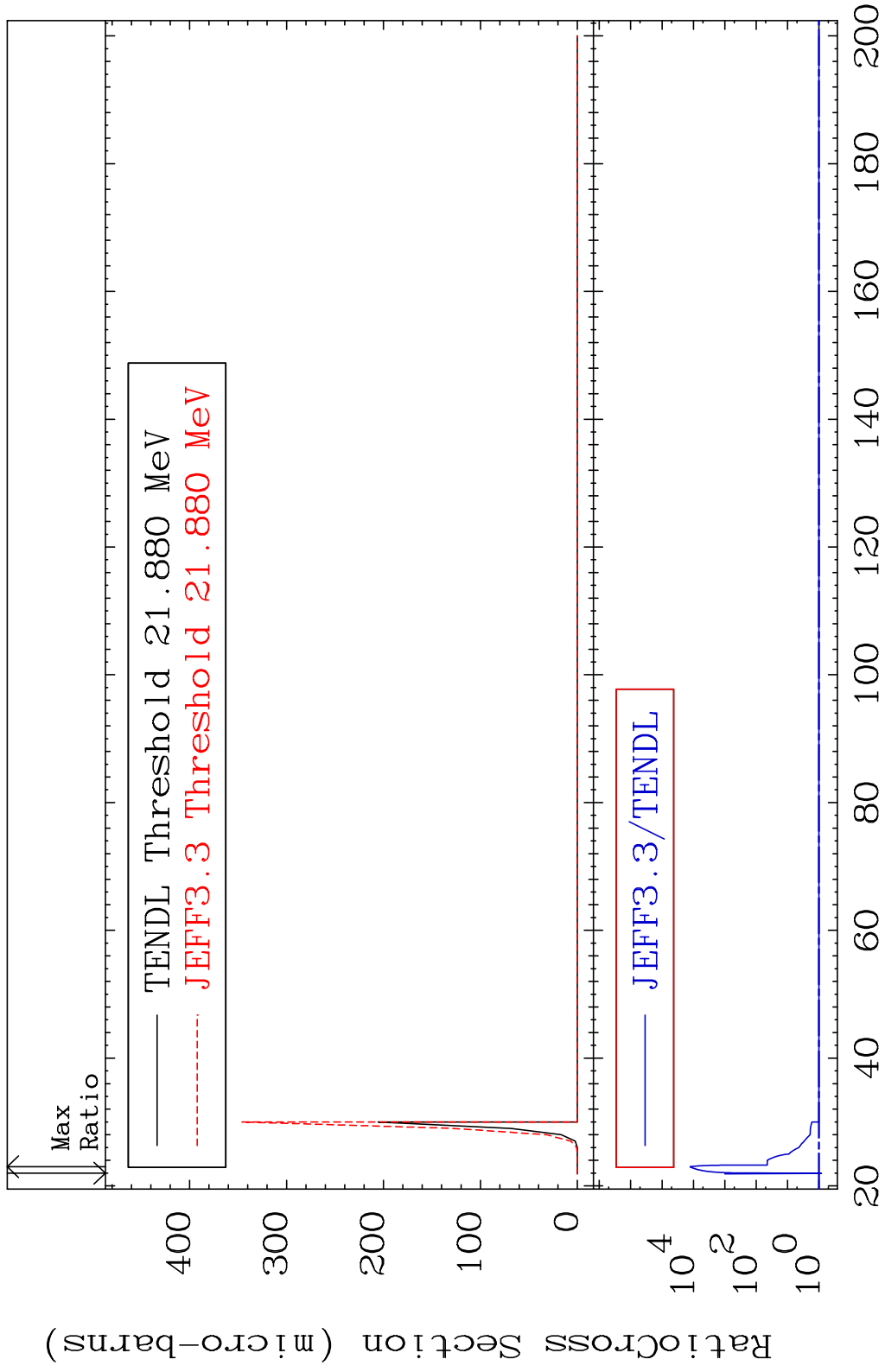


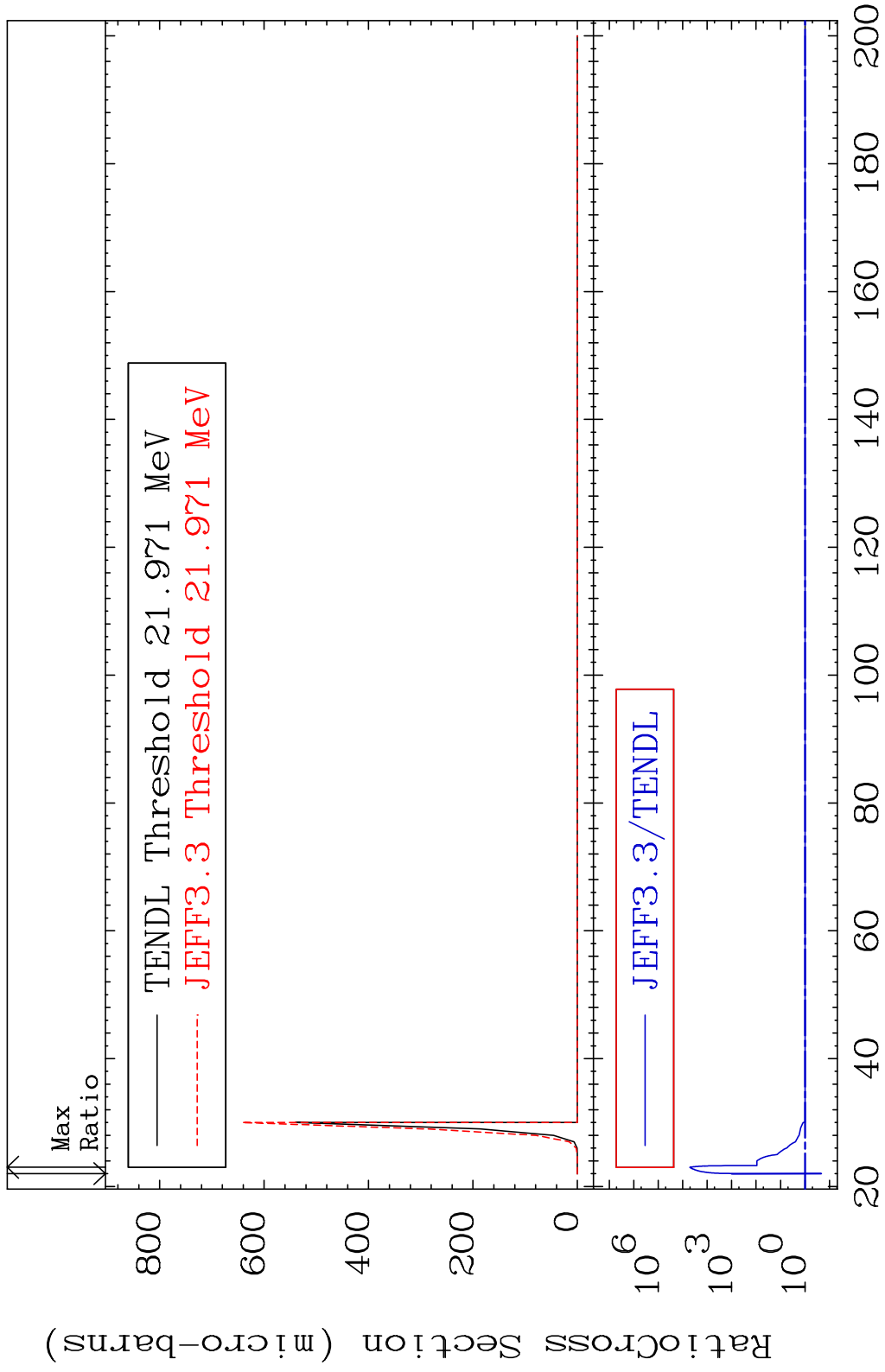
MAT 5128 (n, n') t:50-Sn-119m2 51-Sb-122
 Radionuclide Production Cross Section 187.3 %
 Incident Energy (eV)



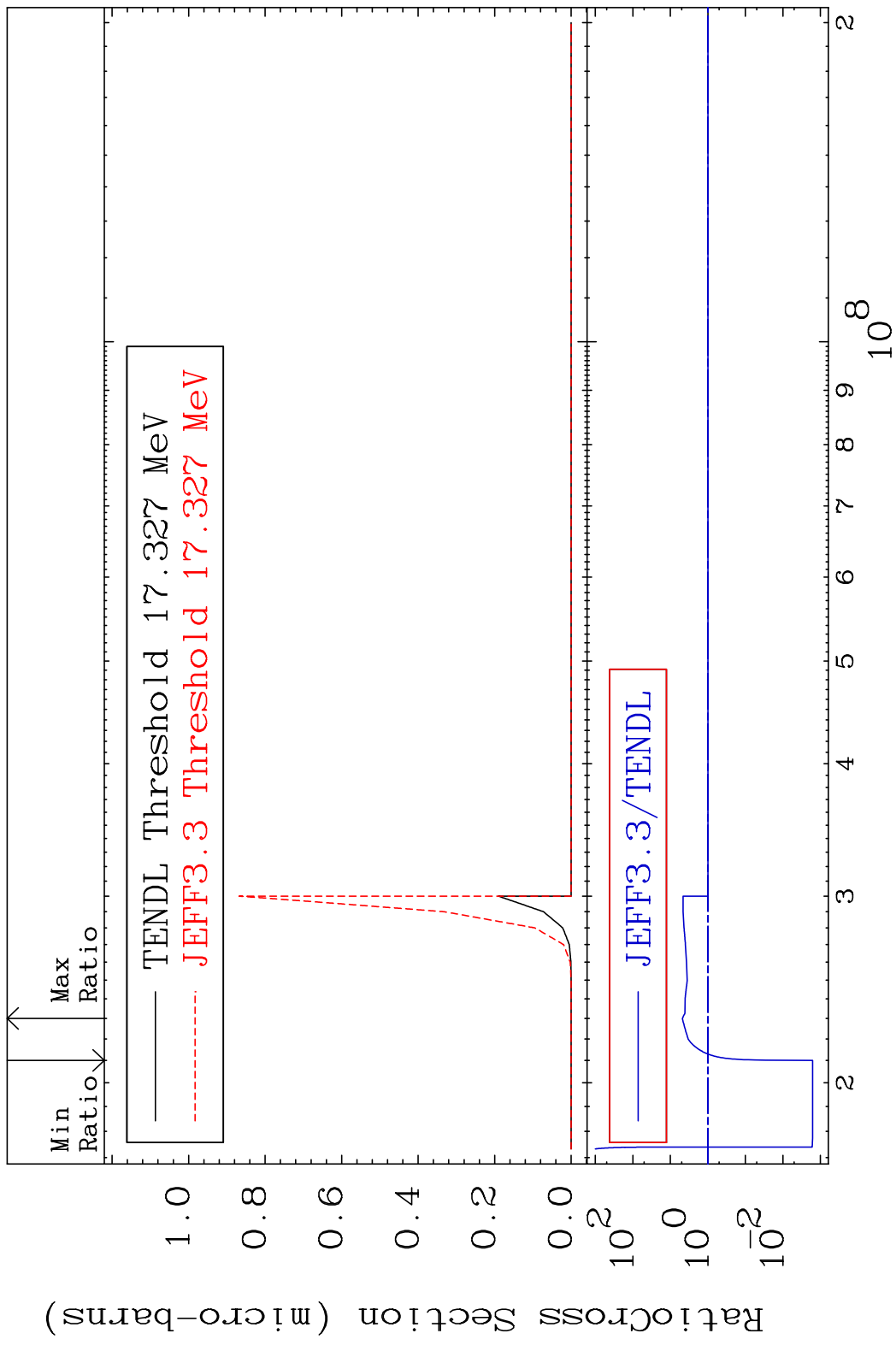


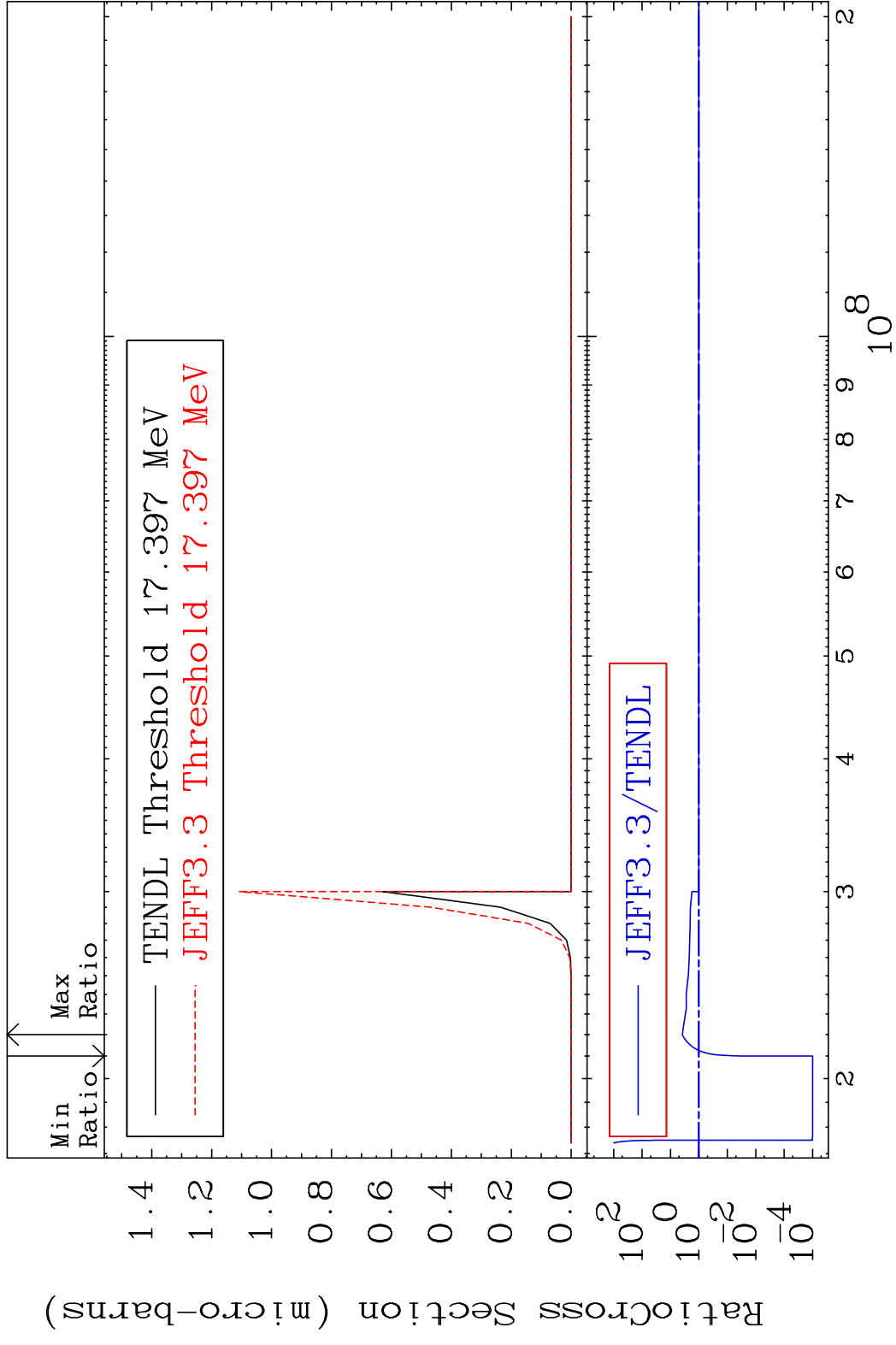


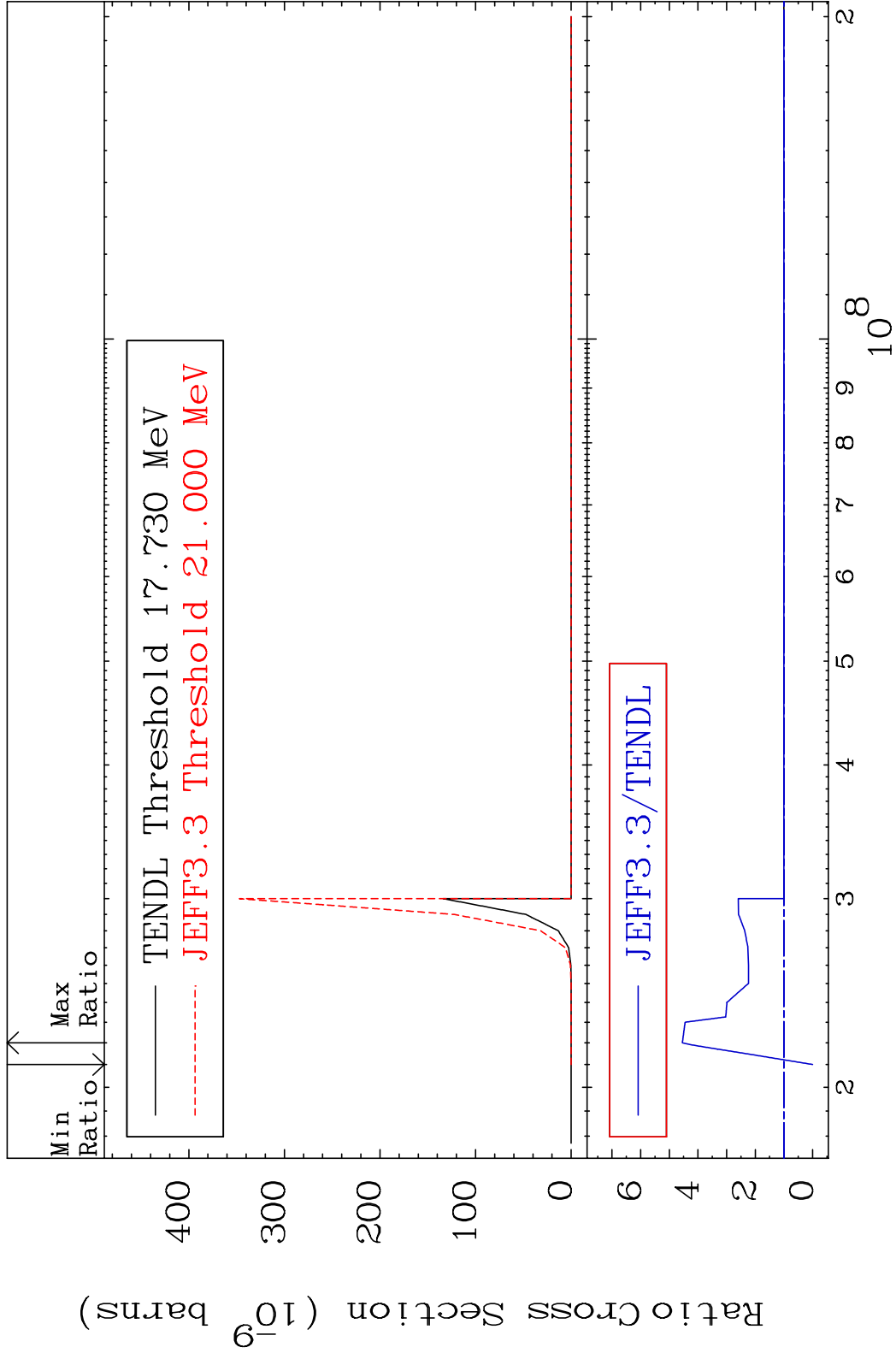




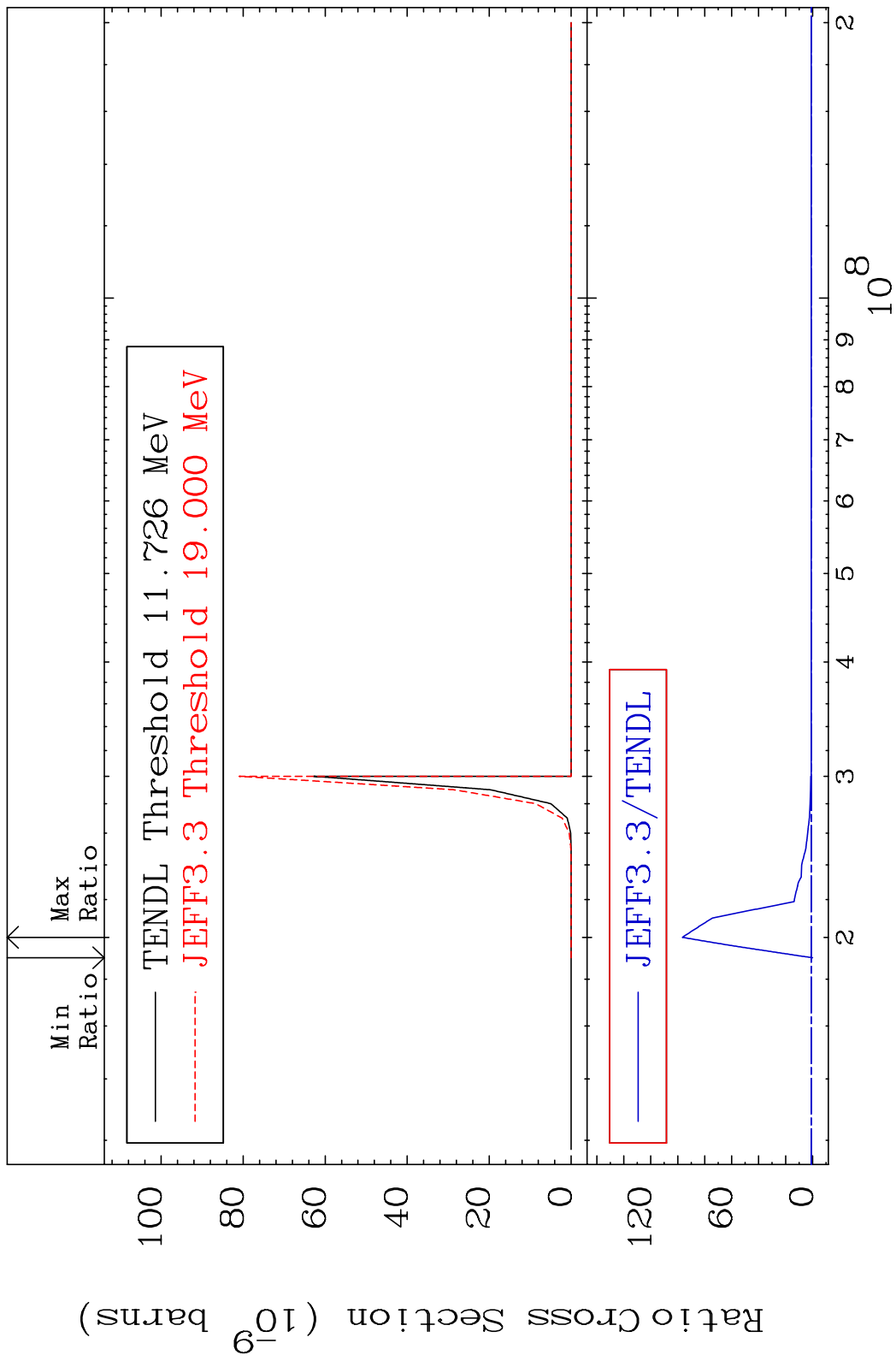
MAT 5128 (n,2n) p:49-In-120g 51-Sb-122
 Radionuclide Production Cross Section 378.6 %

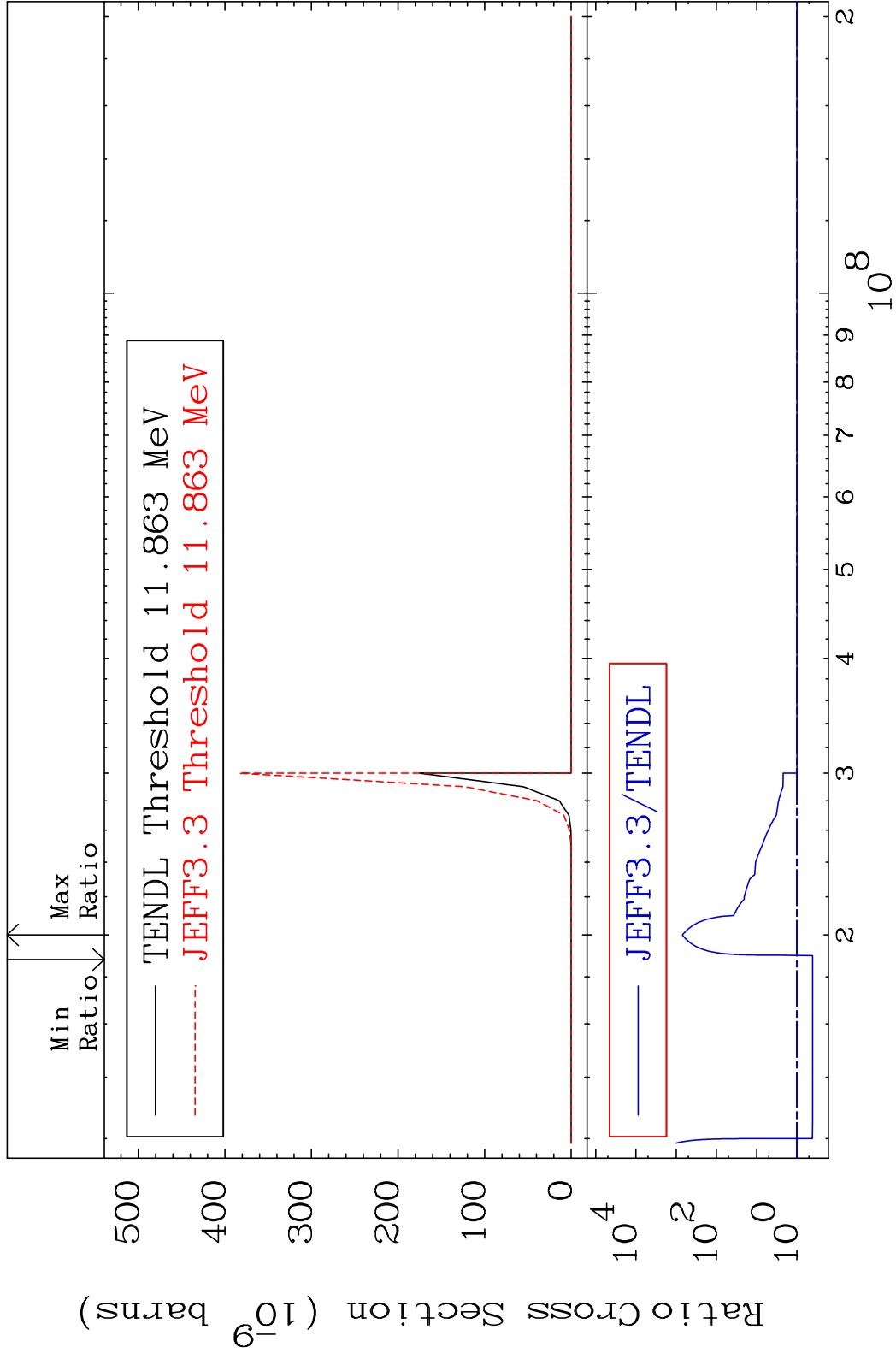




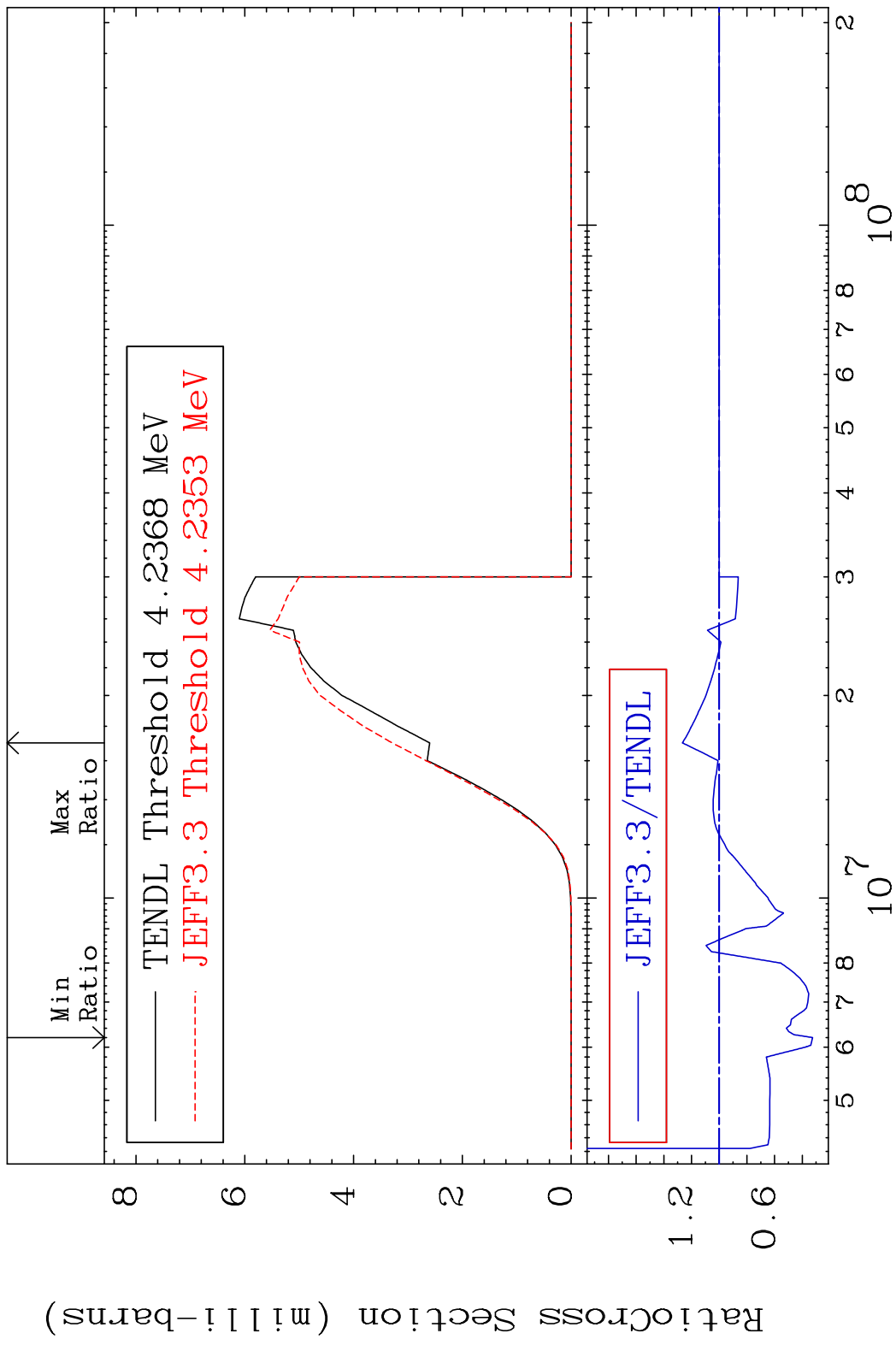


MAT 5128 (n, n') p α : 48-Cd-117g 51-Sb-122
 Radionuclide Production Cross Section Ratio 9557. %

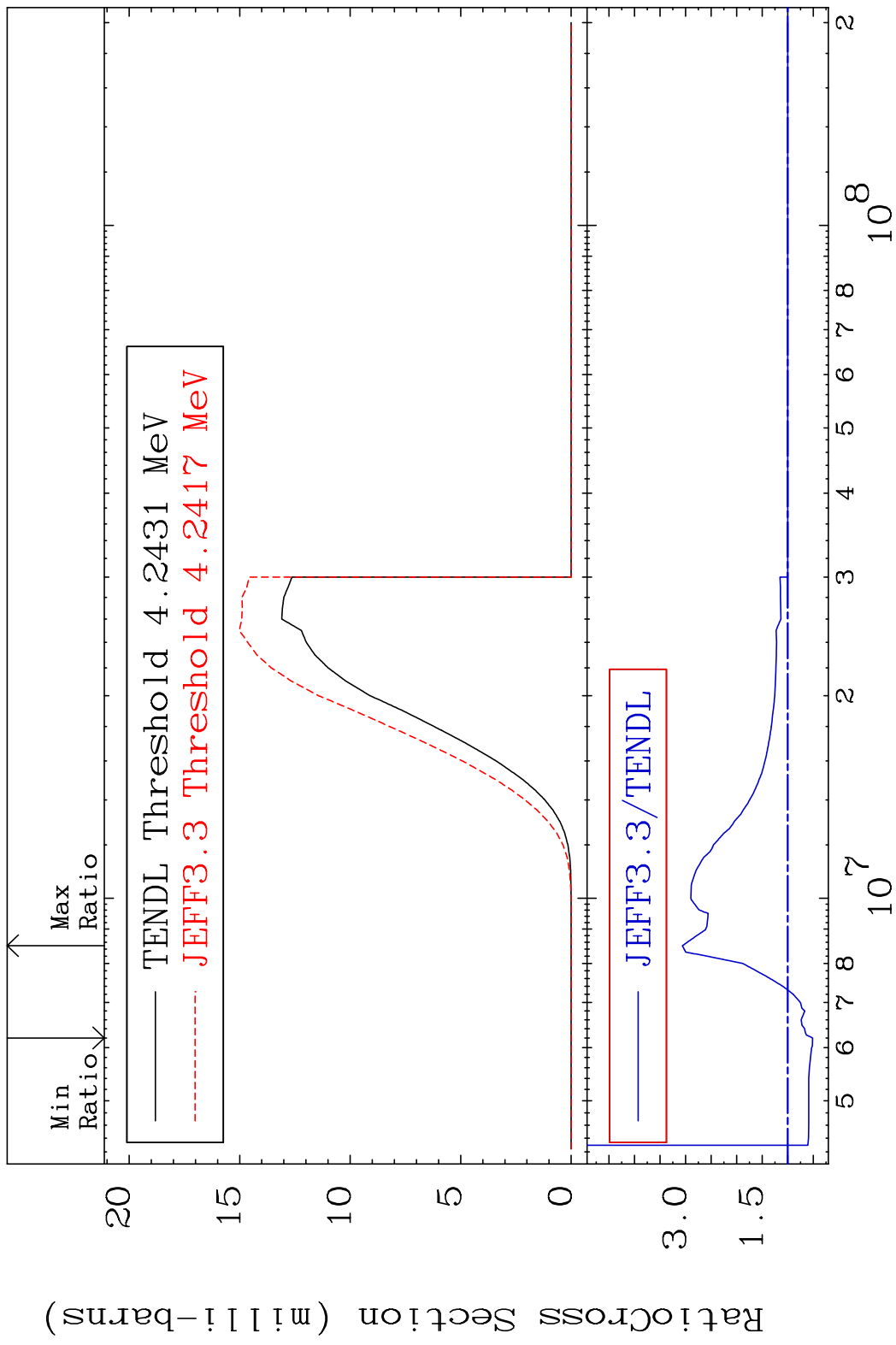


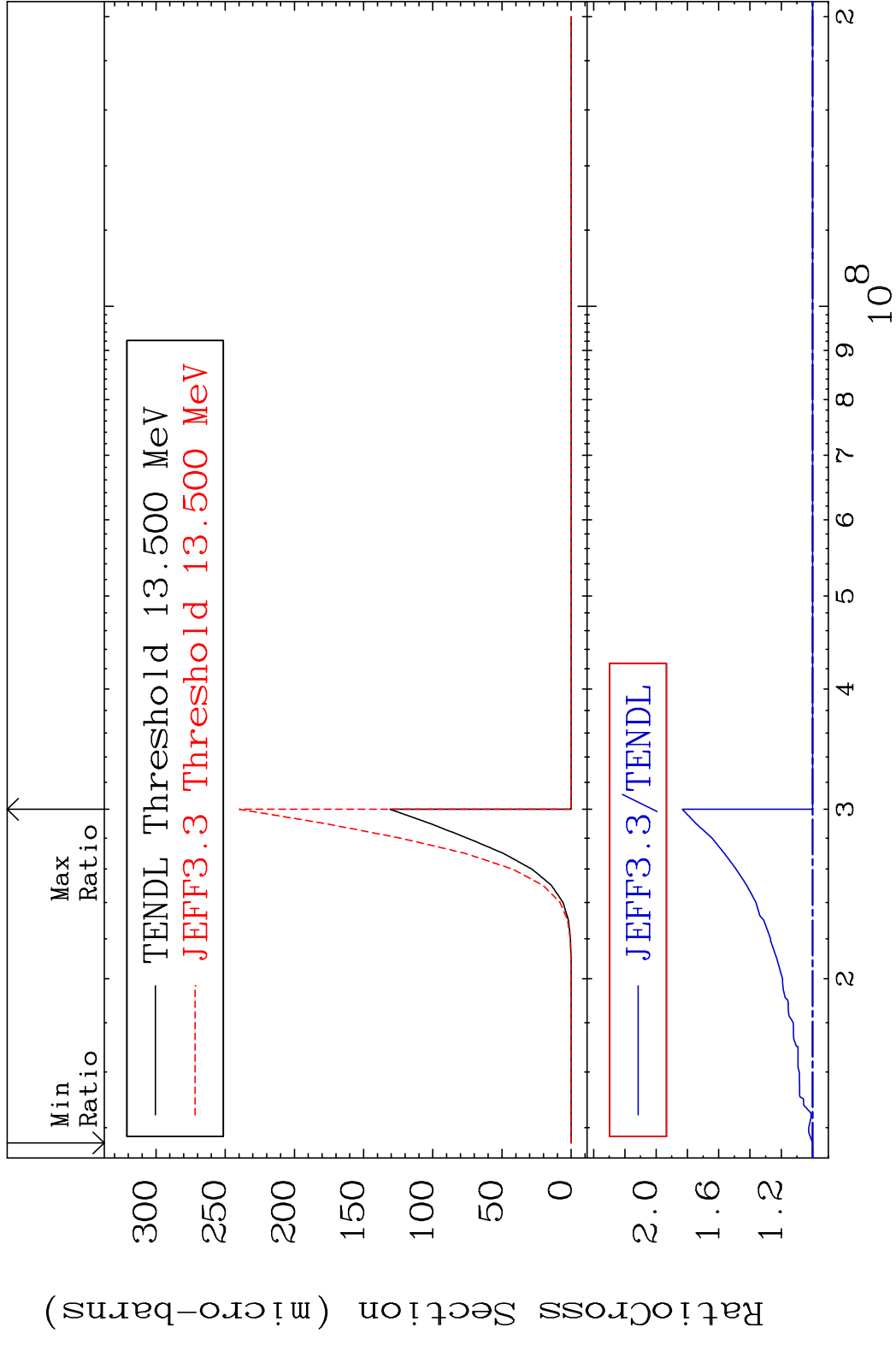


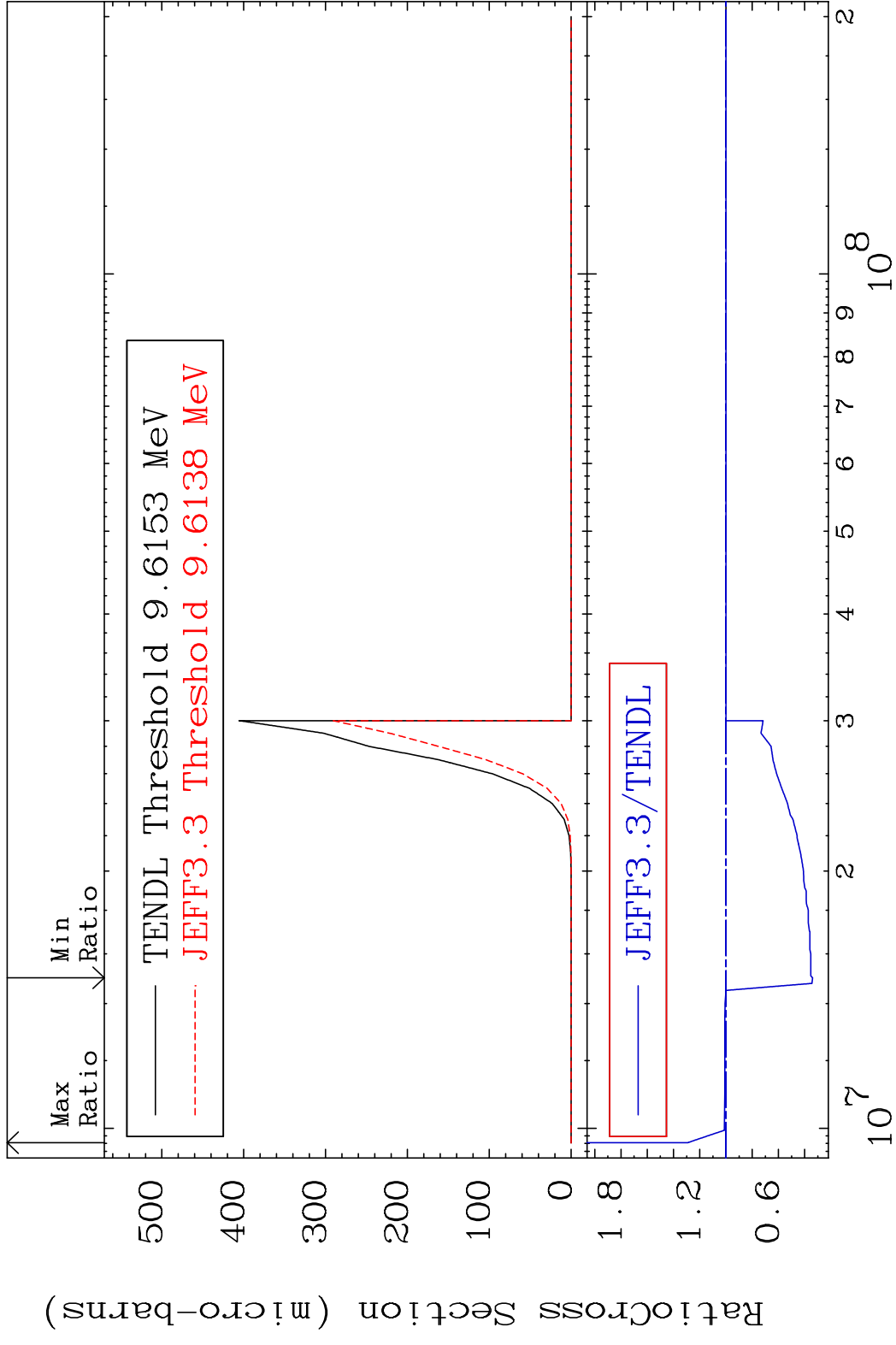
MAT 5128 (n, d):50-Sn-121g 51-Sb-122
 Radionuclide Production Cross Section 26.62 %



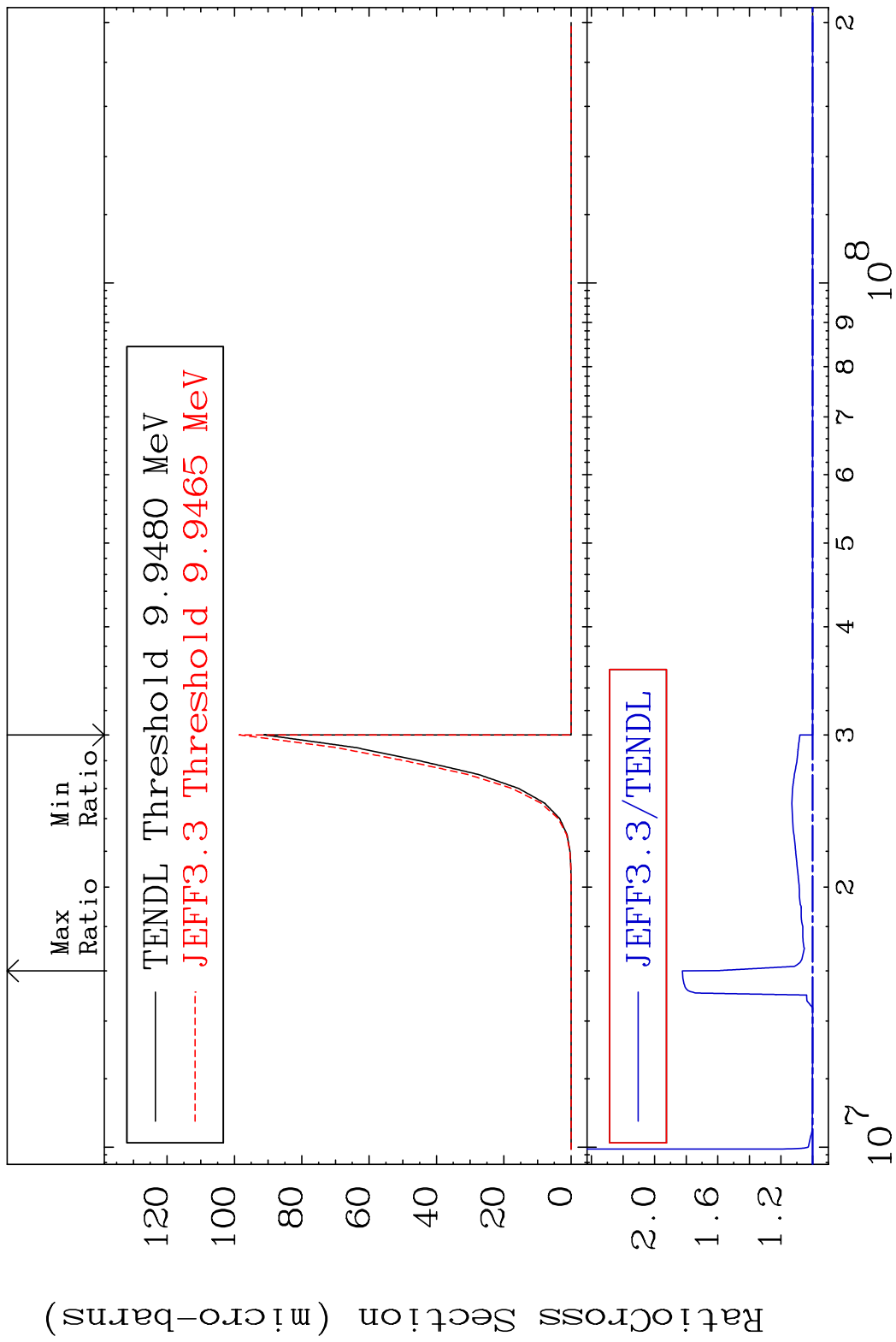
105 Incident Energy (eV) 51-Sb-122



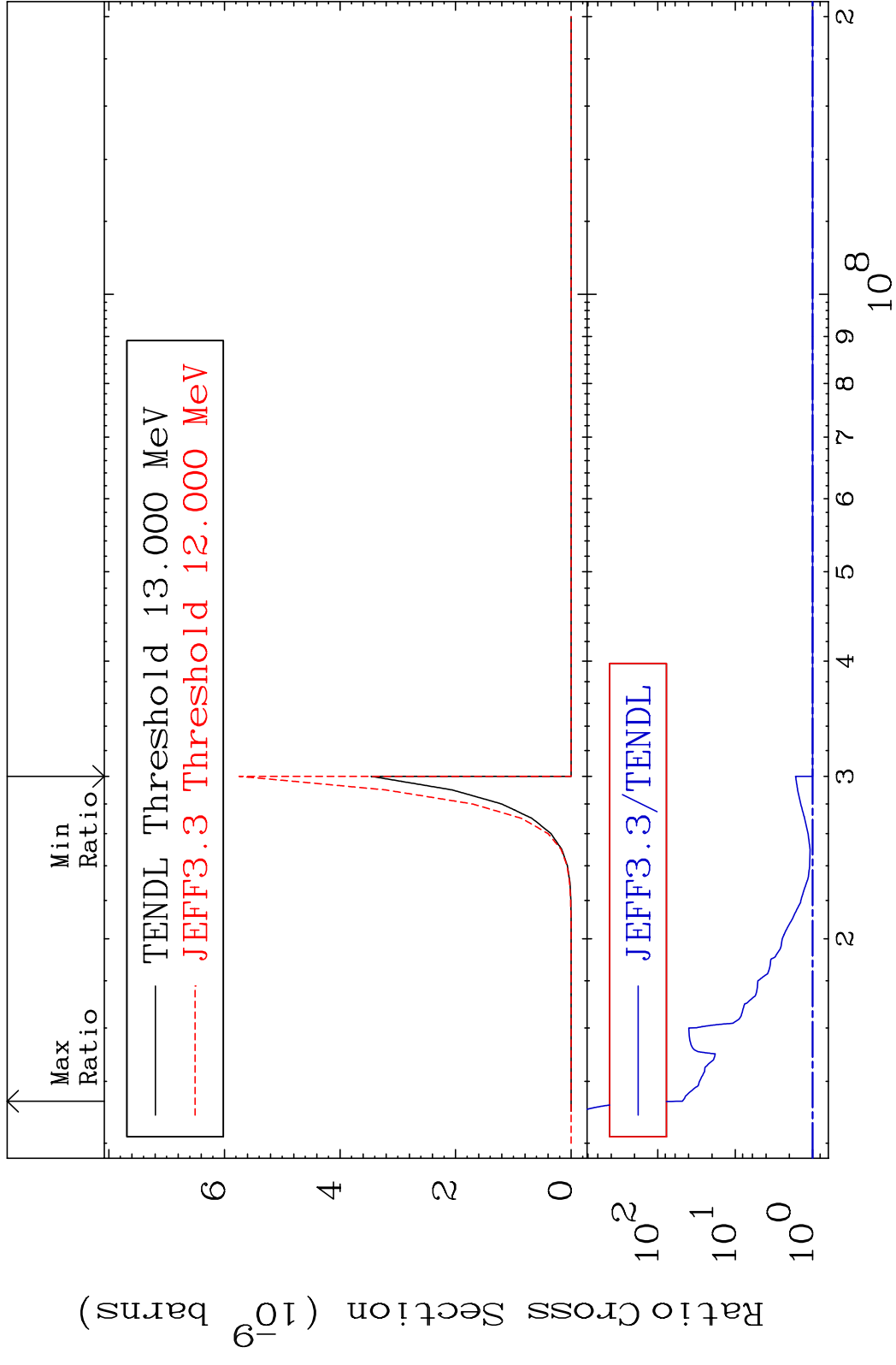


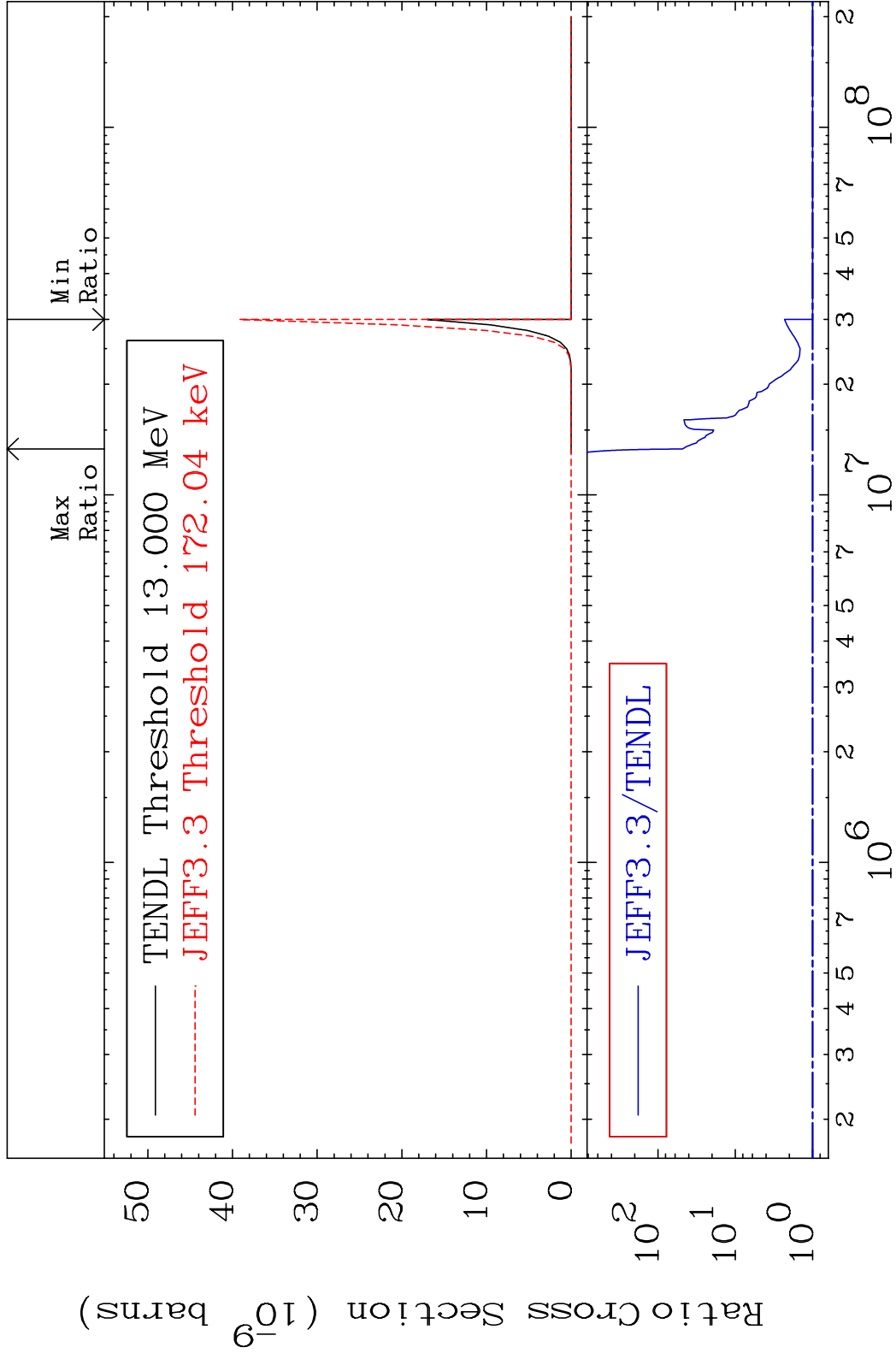


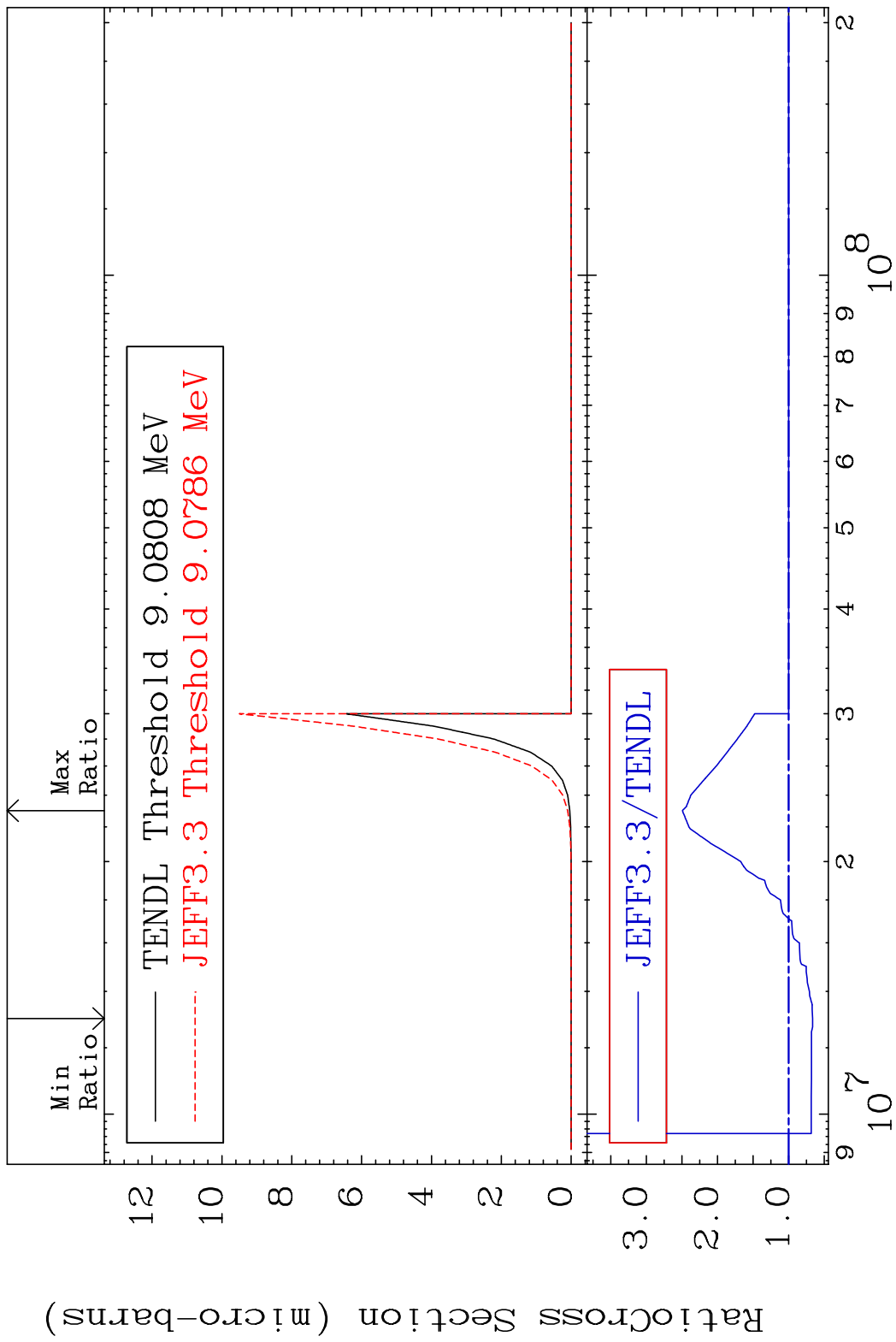
MAT 5128 (n, He-3) : 49-In-120m2 51-Sb-122
 Radionuclide Production Cross Section 82.46 %

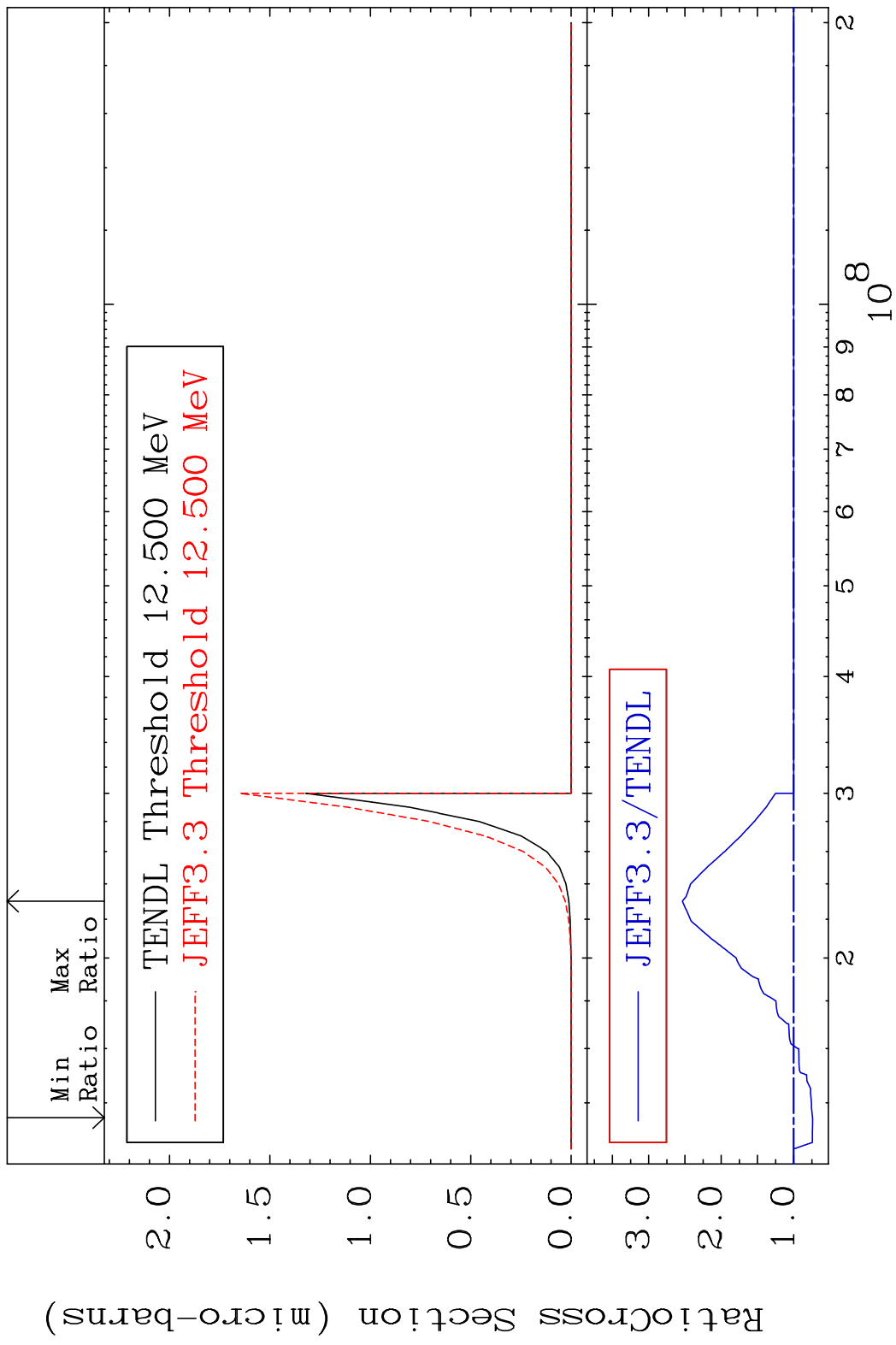


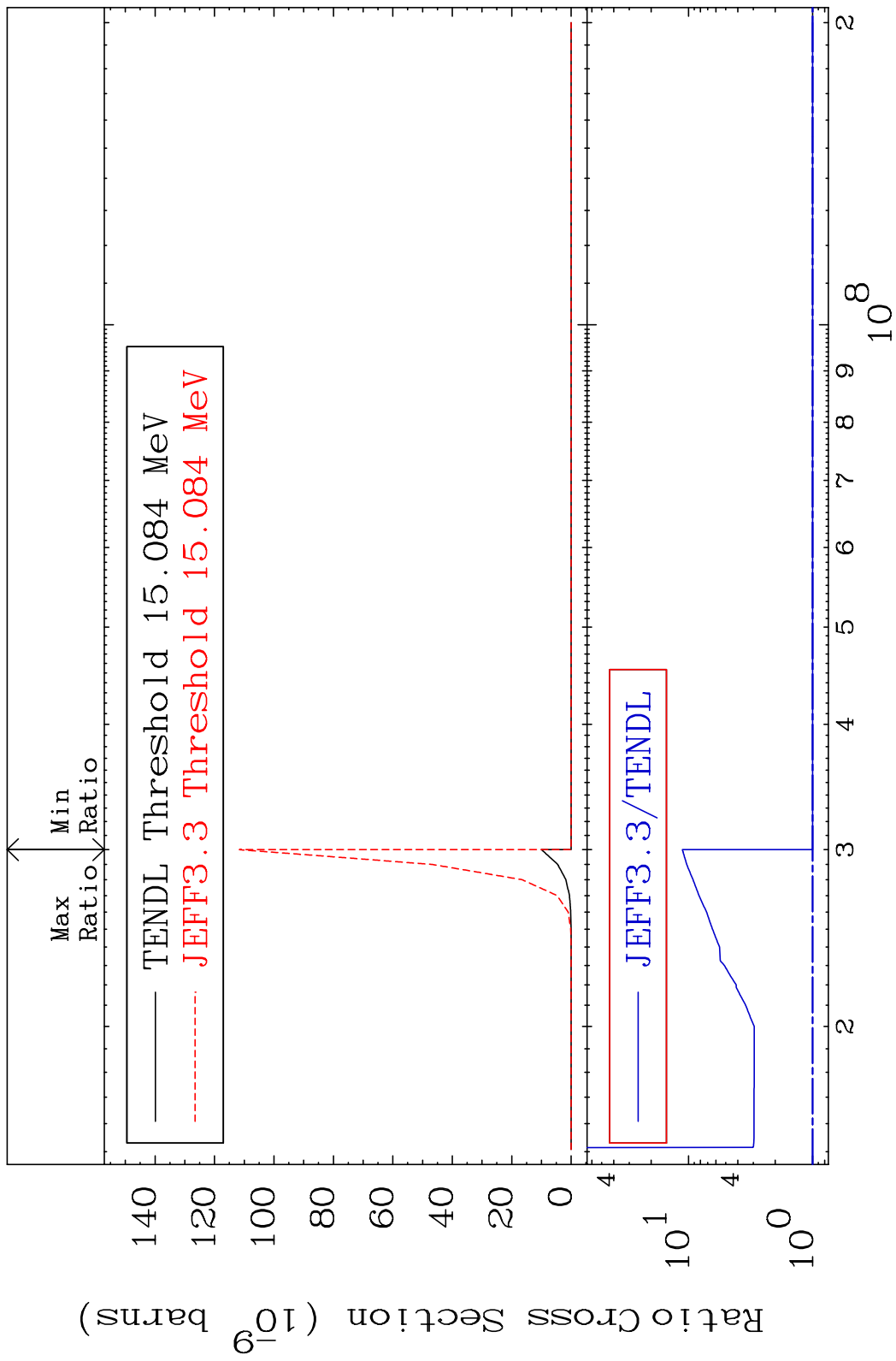
109 51-Sb-122



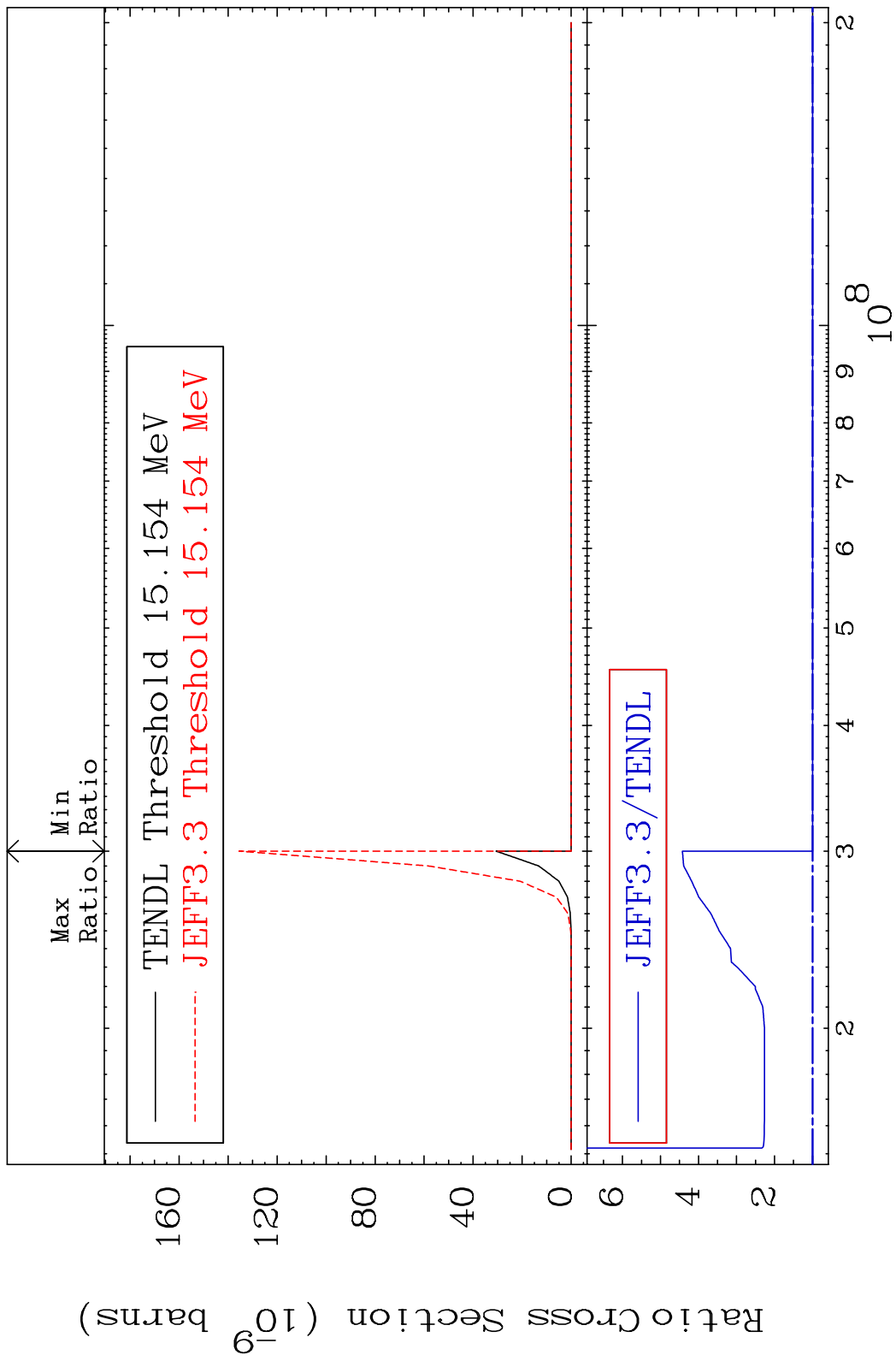


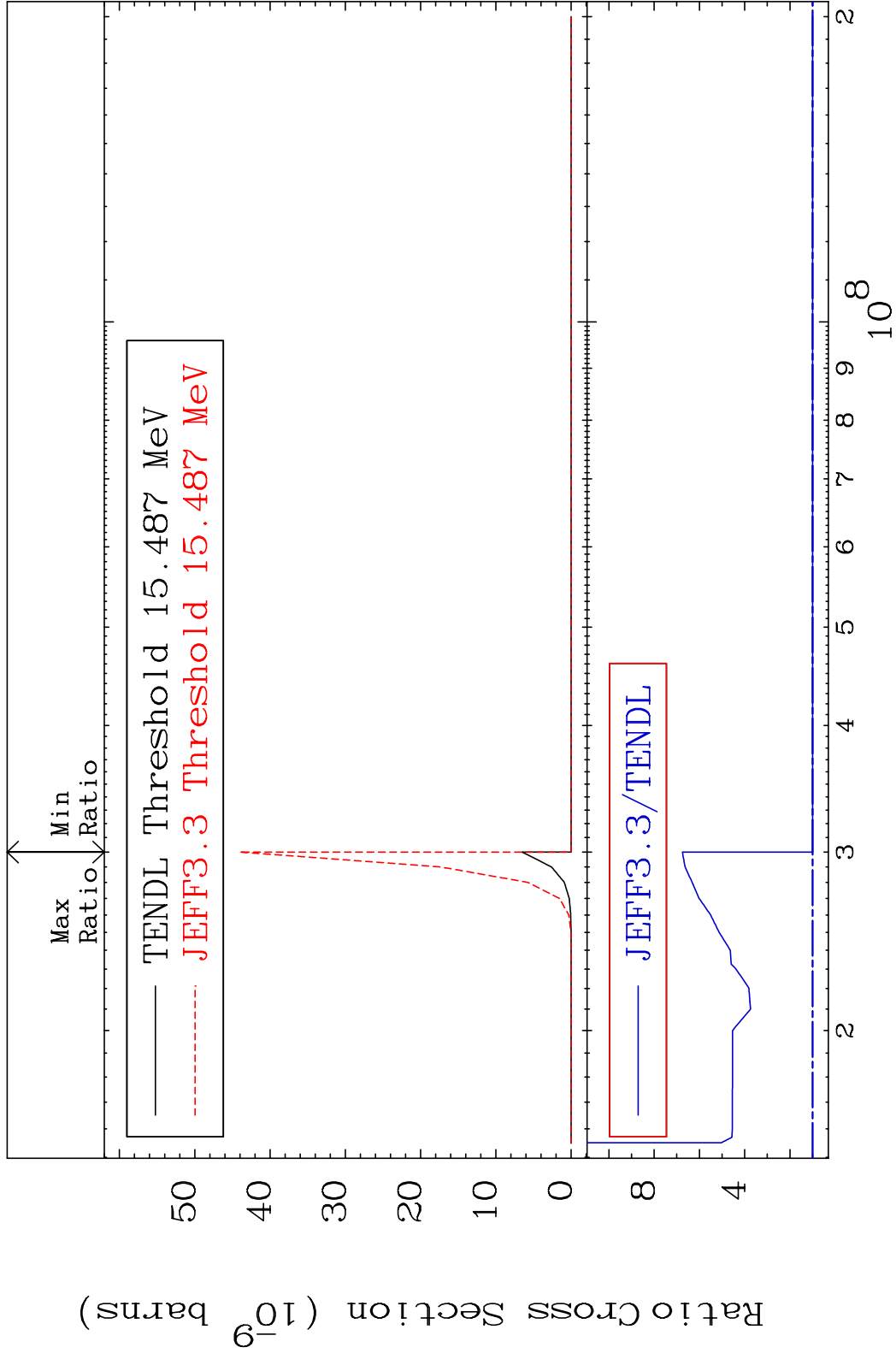


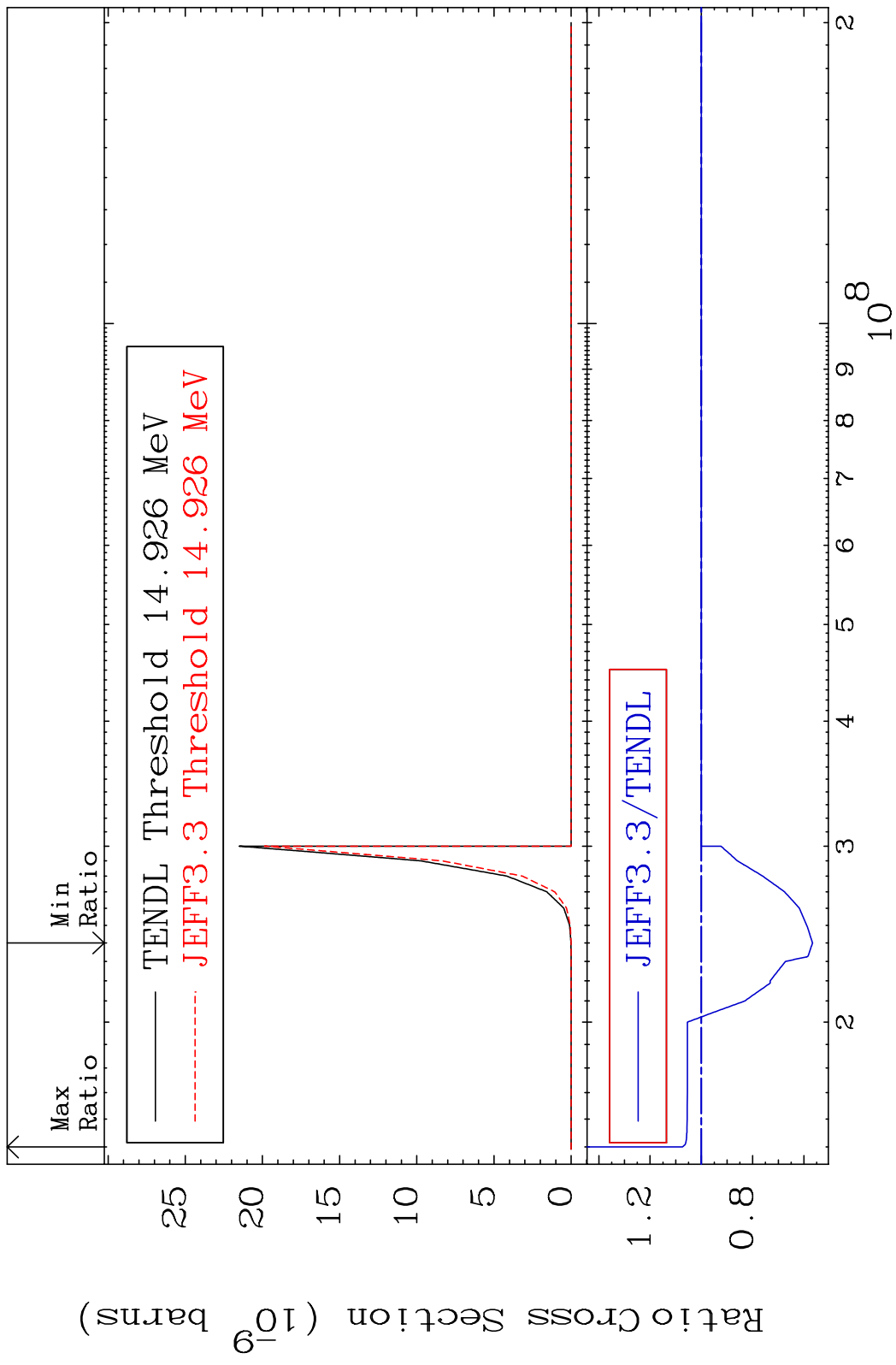


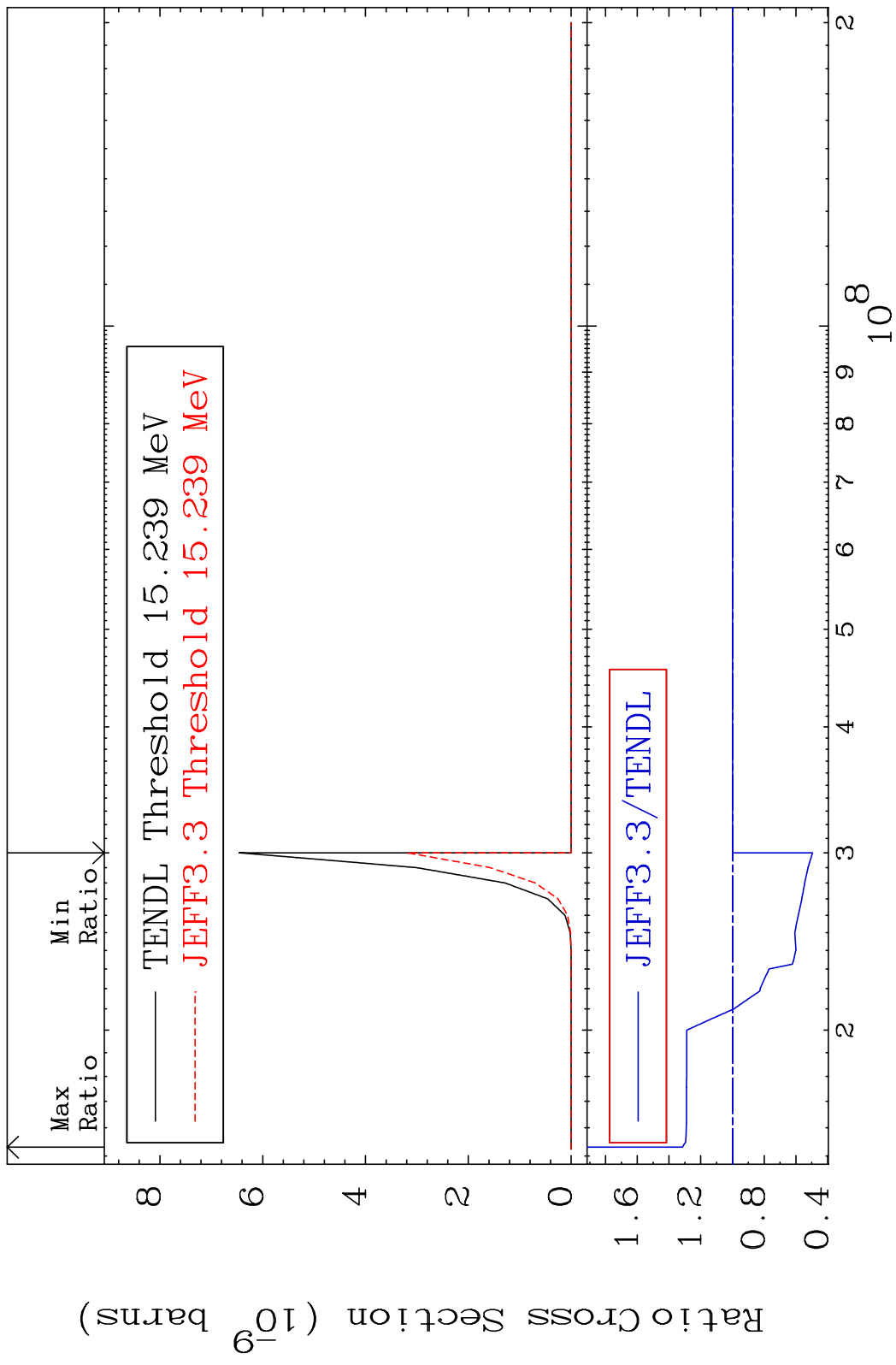


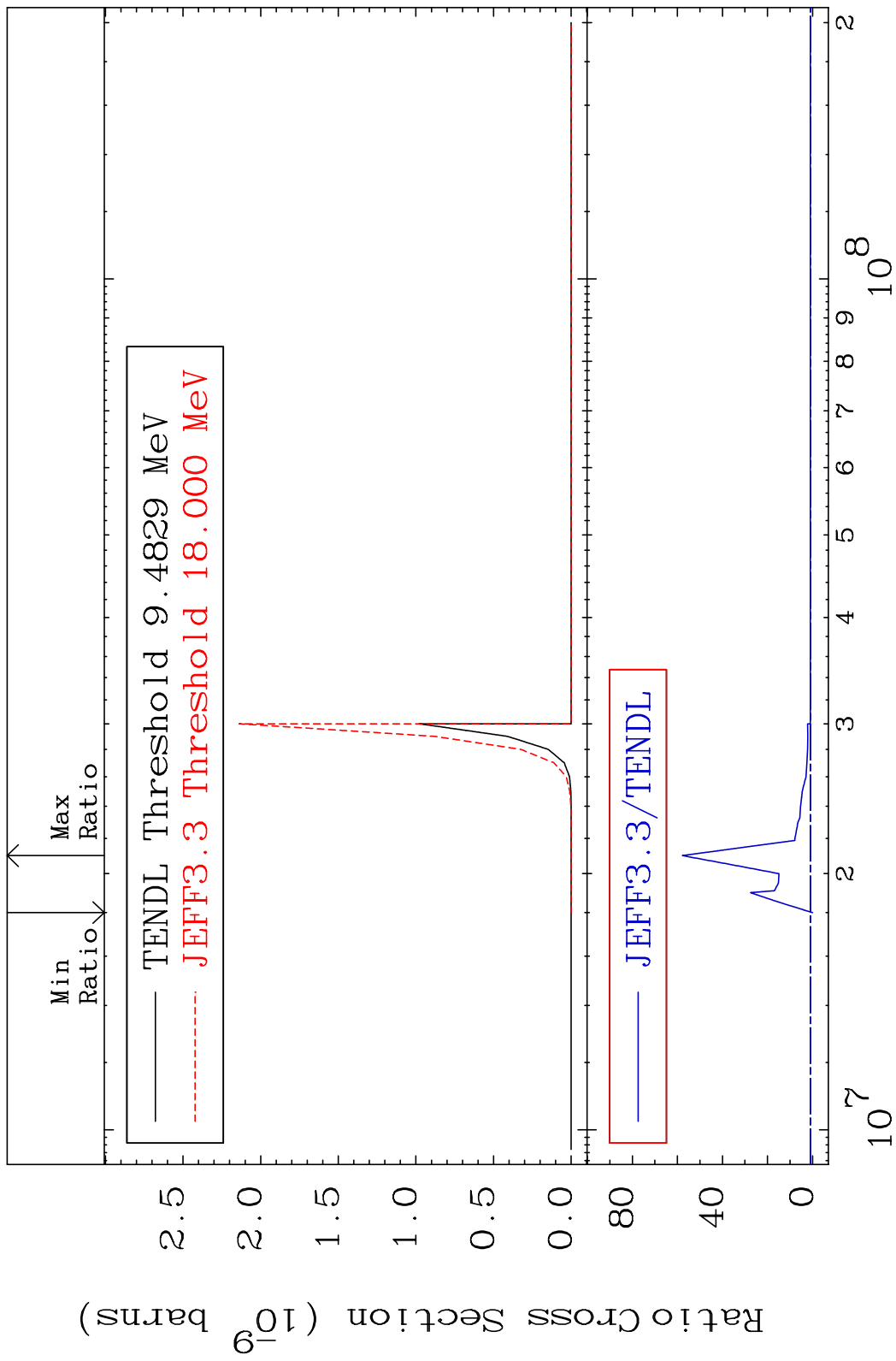
MAT 5128 (n, p) d:49-In-120m1 51-Sb-122
 Radionuclide Production Cross Section 342.6 %



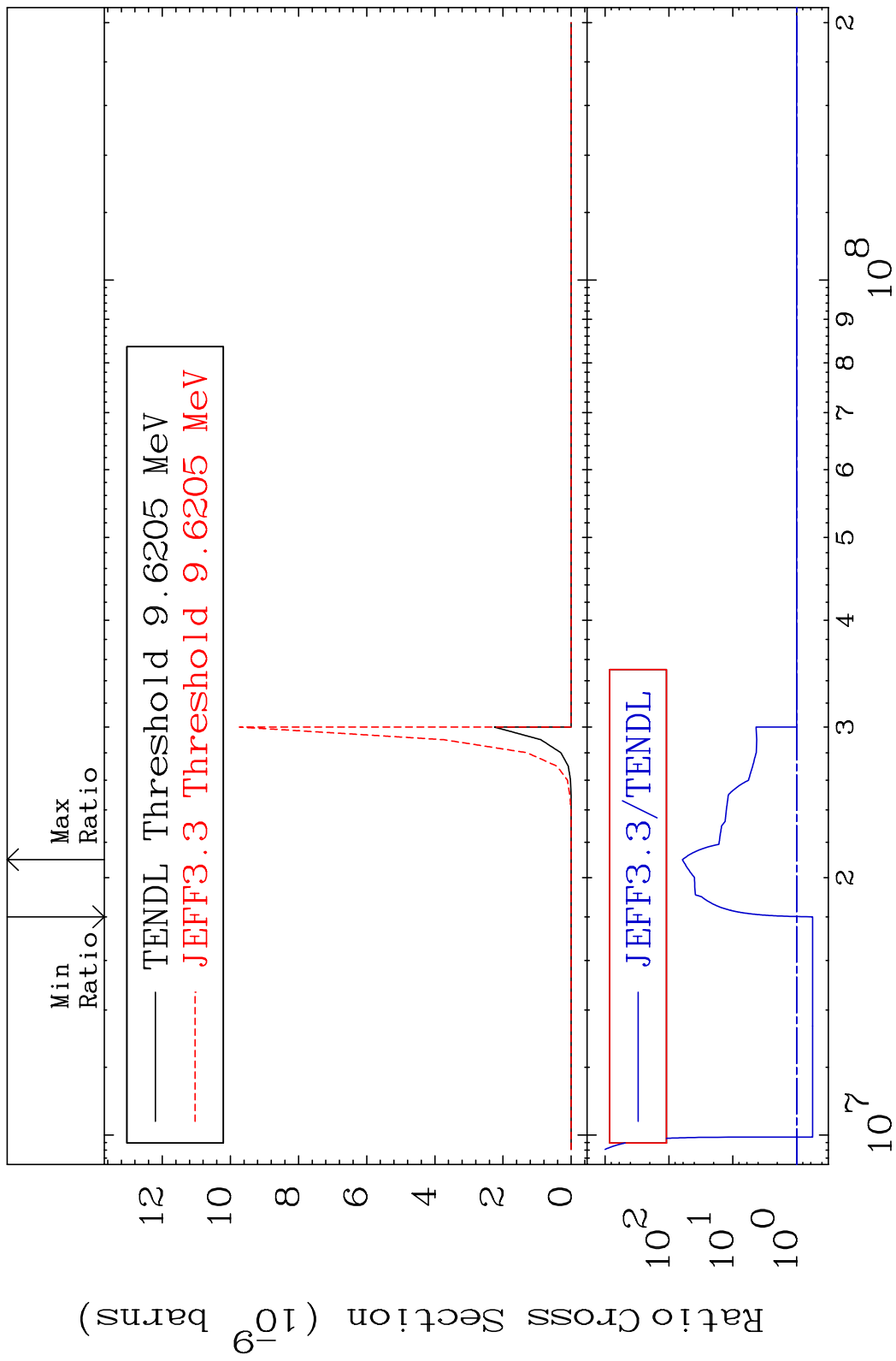








MAT 5128 (n, d) α : 48-Cd-117m2 51-Sb-122
 Radionuclide Production Cross Section to 6055. %



120 Incident Energy (eV) 51-Sb-122