

Program Complot
(Version 2021-1)

by

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U.S.A.

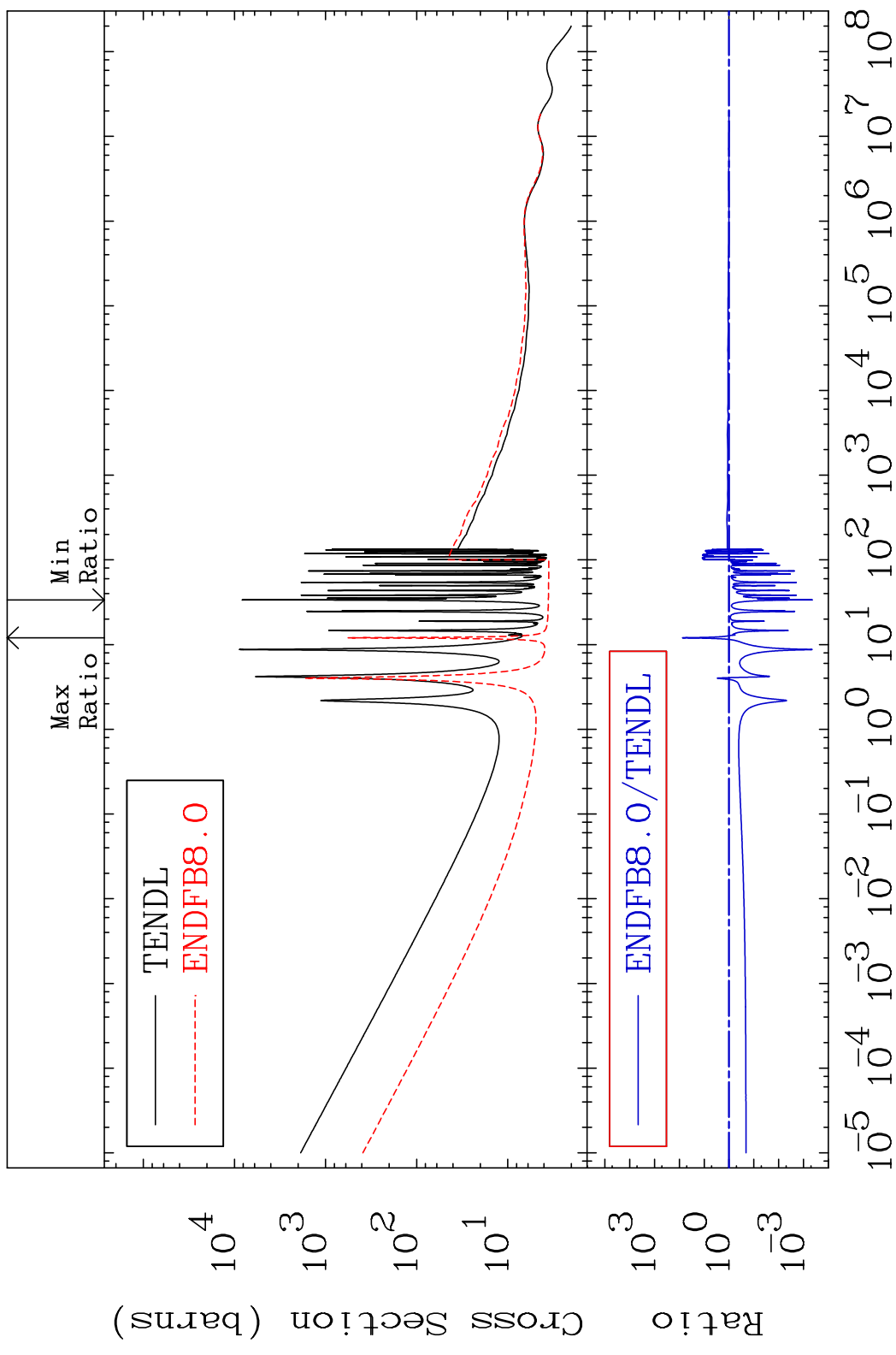
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5128

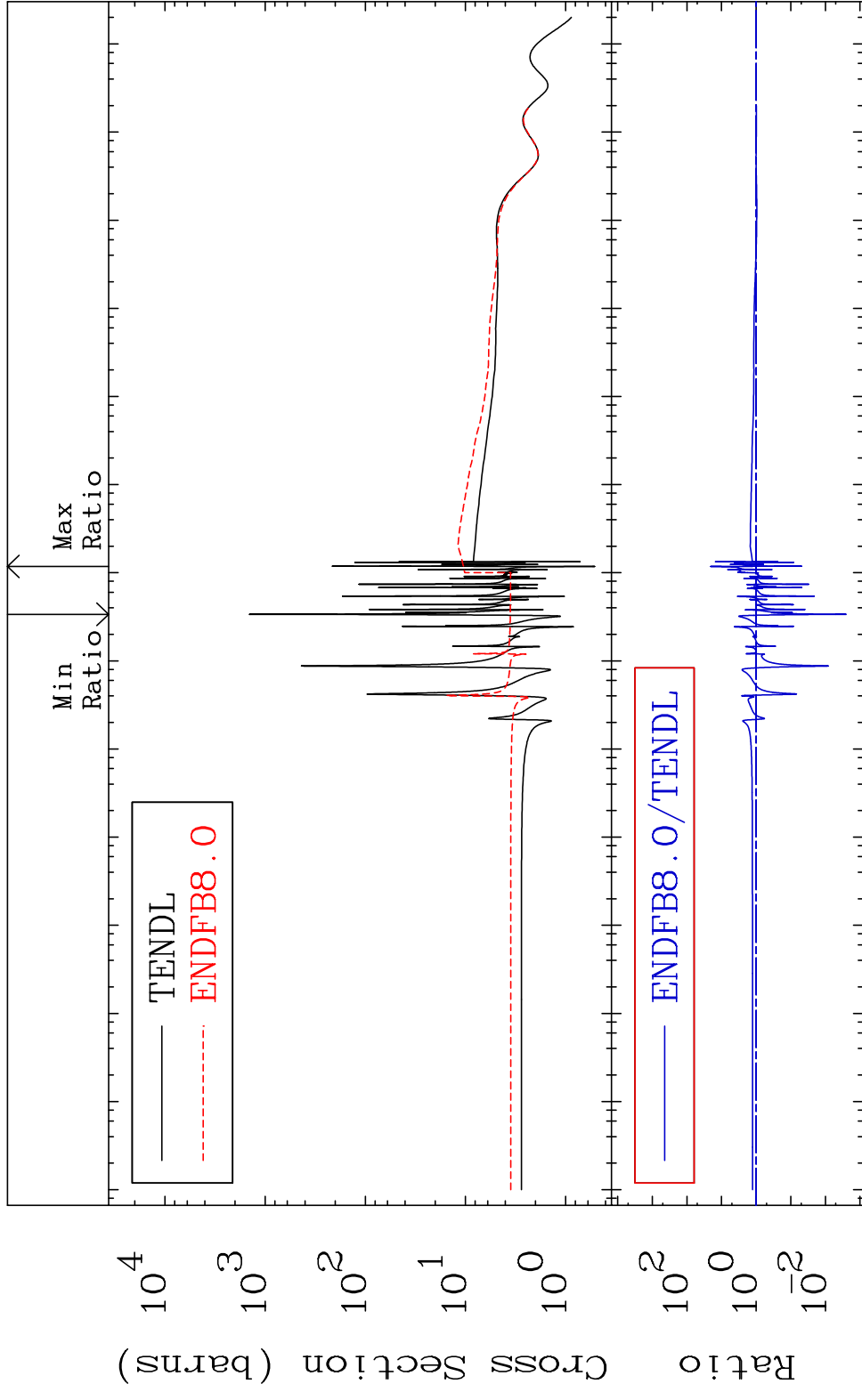
Total 51-Sb-122
Cross Section -99.96 To 7451. %



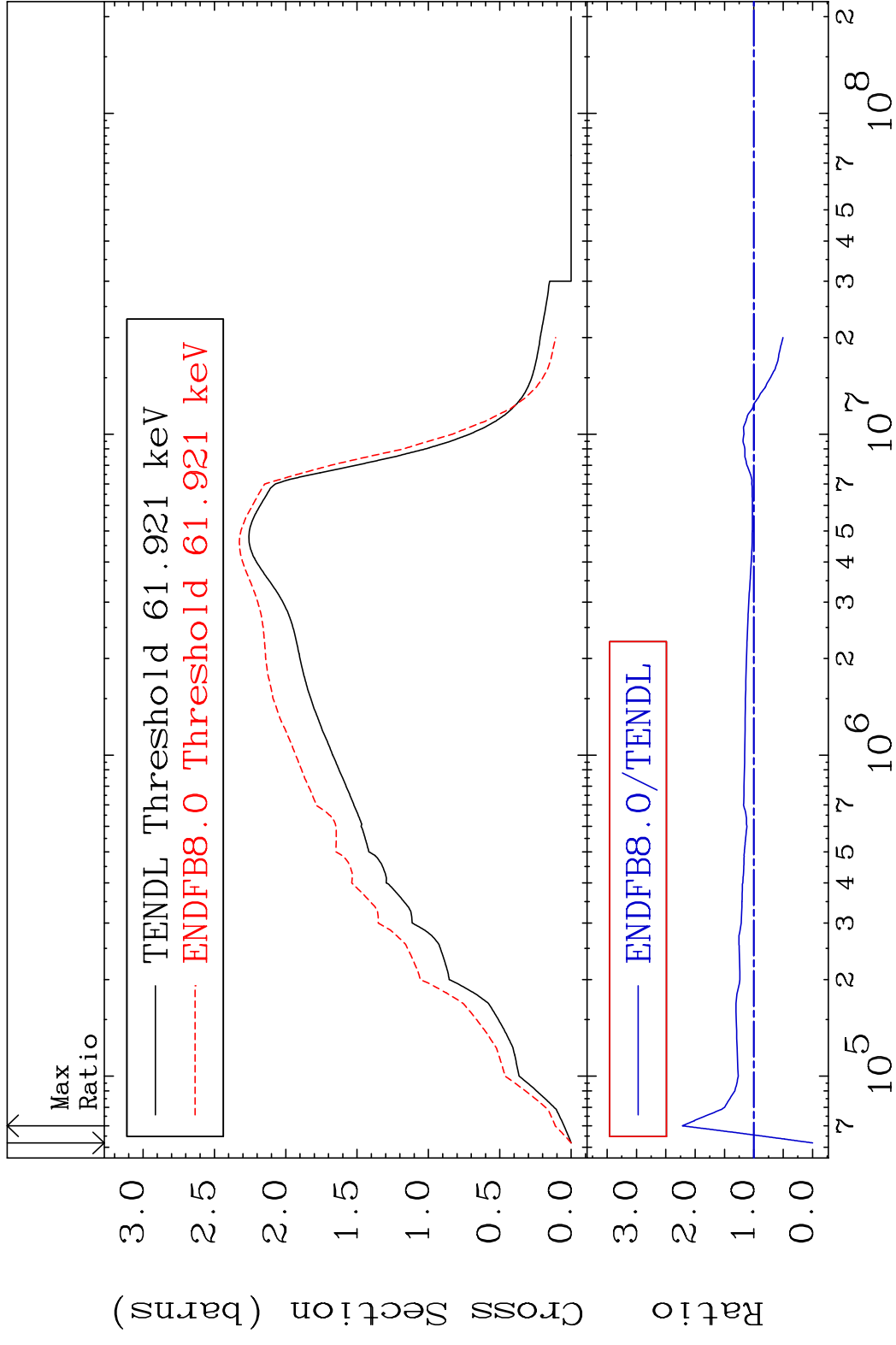
1 Incident Energy (eV) 51-Sb-122

MAT 5128

Elastic Cross Section -99.75 To 1952. %
51-Sb-122



MAT 5128 Inelastic 51-Sb-122
 Cross Section -100.0 To 121.9 %

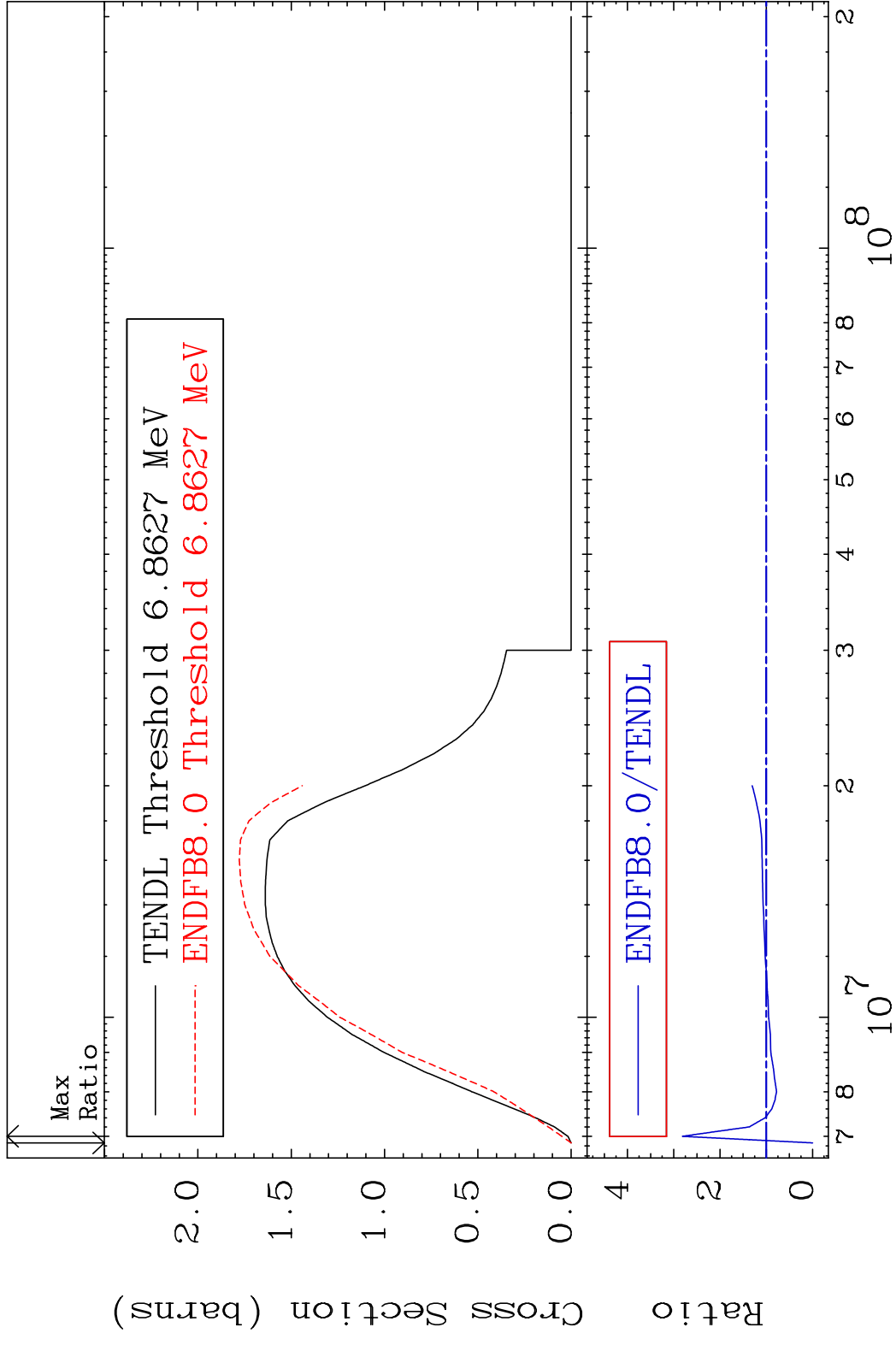


MAT 5128

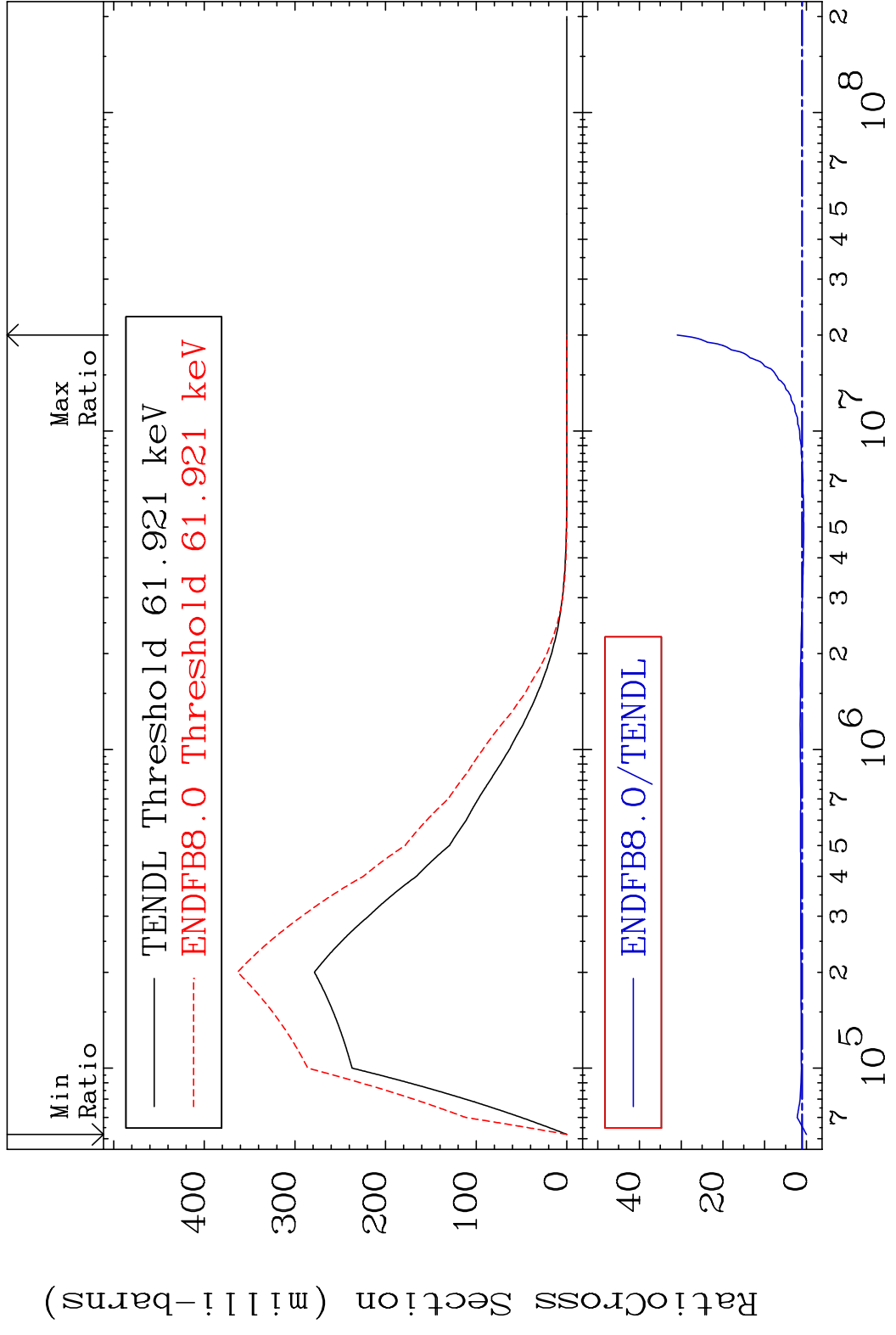
(n,2n)

51-Sb-122

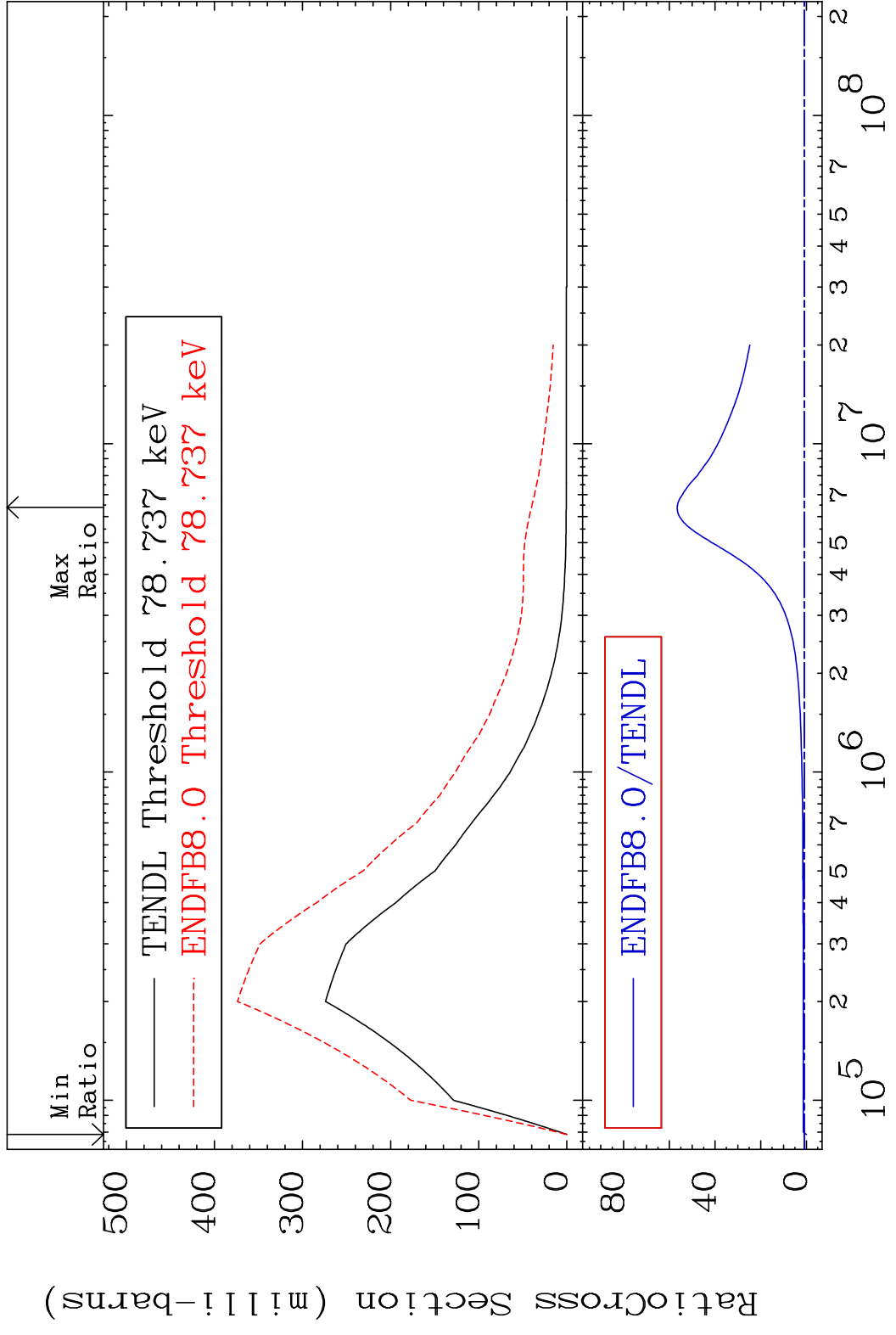
Cross Section -100.0 To 181.4 %



MAT 5128 MT= 51 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 2996. %

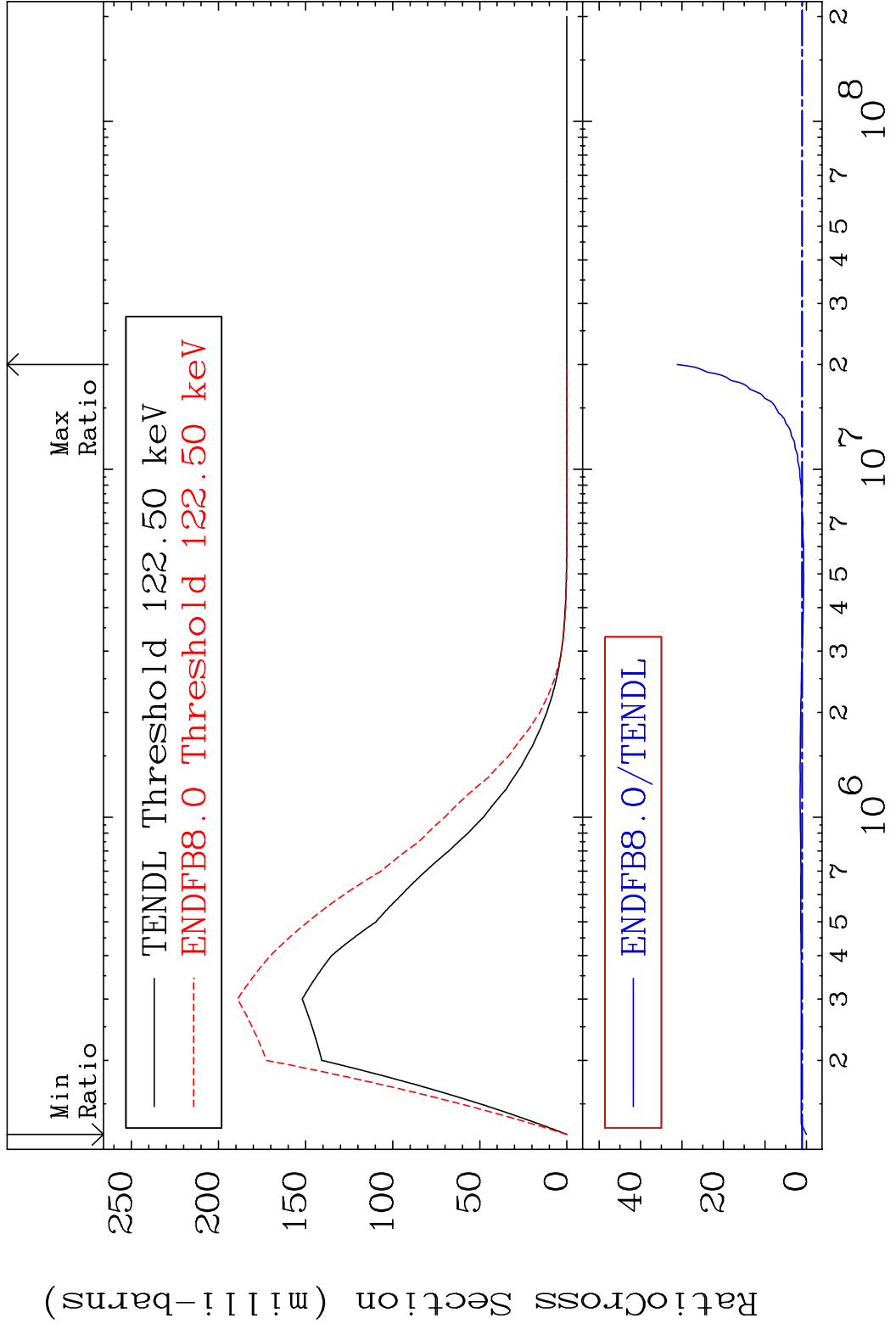


MAT 5128 MT= 52 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 5556. %

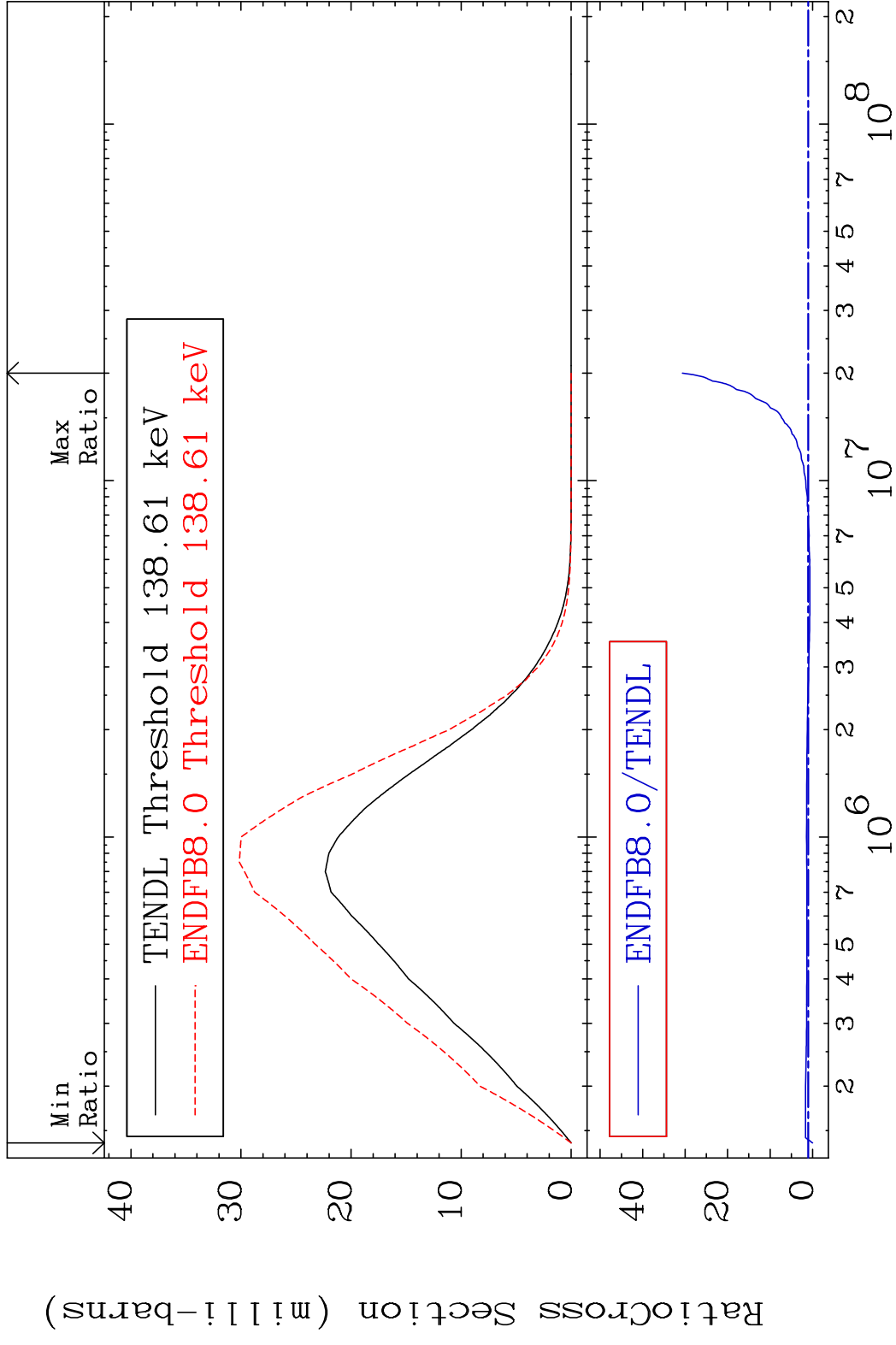


6 Incident Energy (eV) 51-Sb-122

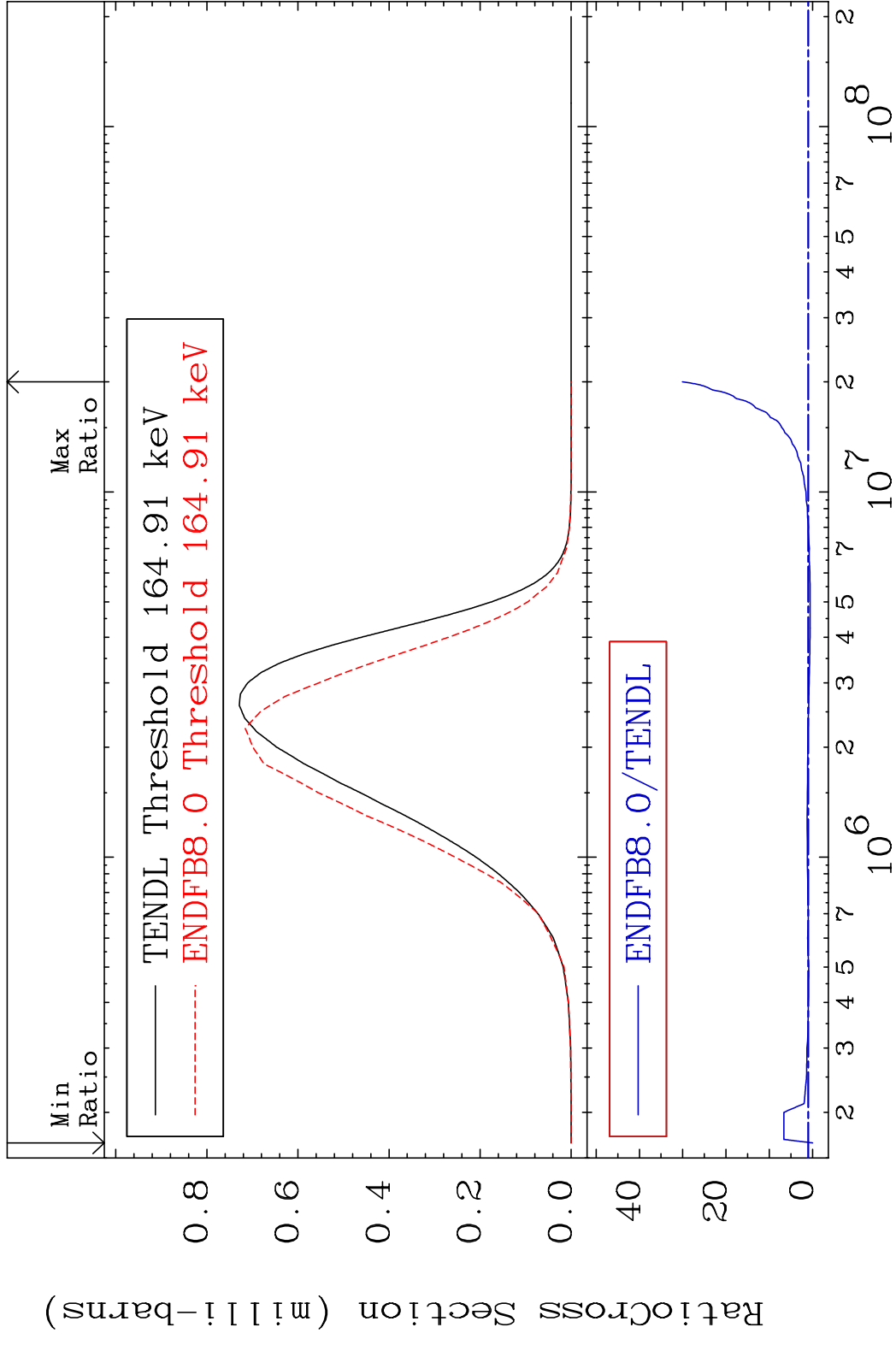
MAT 5128 MT= 53 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 3017. %



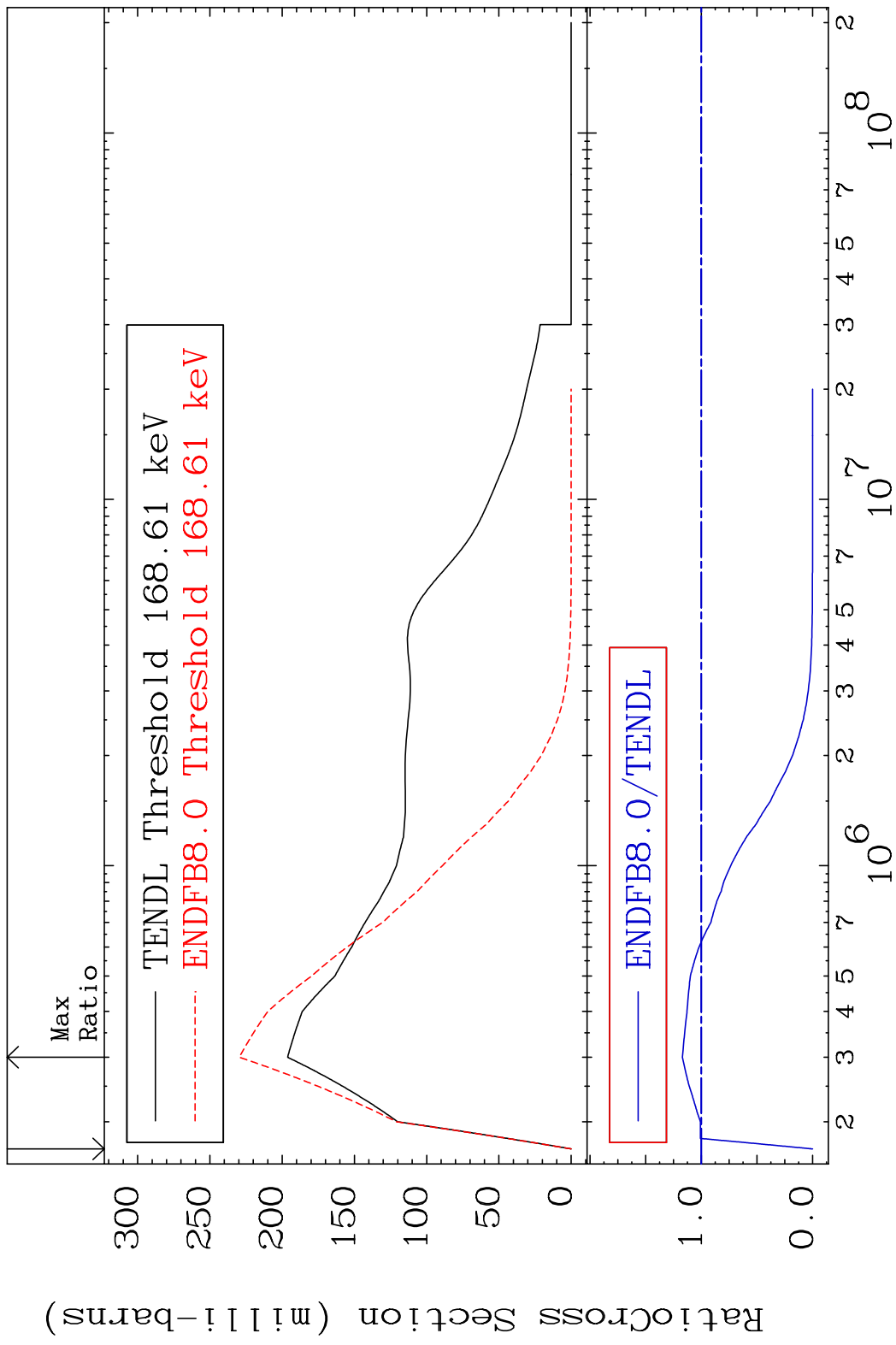
MAT 5128 MT= 54 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2965. %



MAT 5128 MT= 55 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2908. %

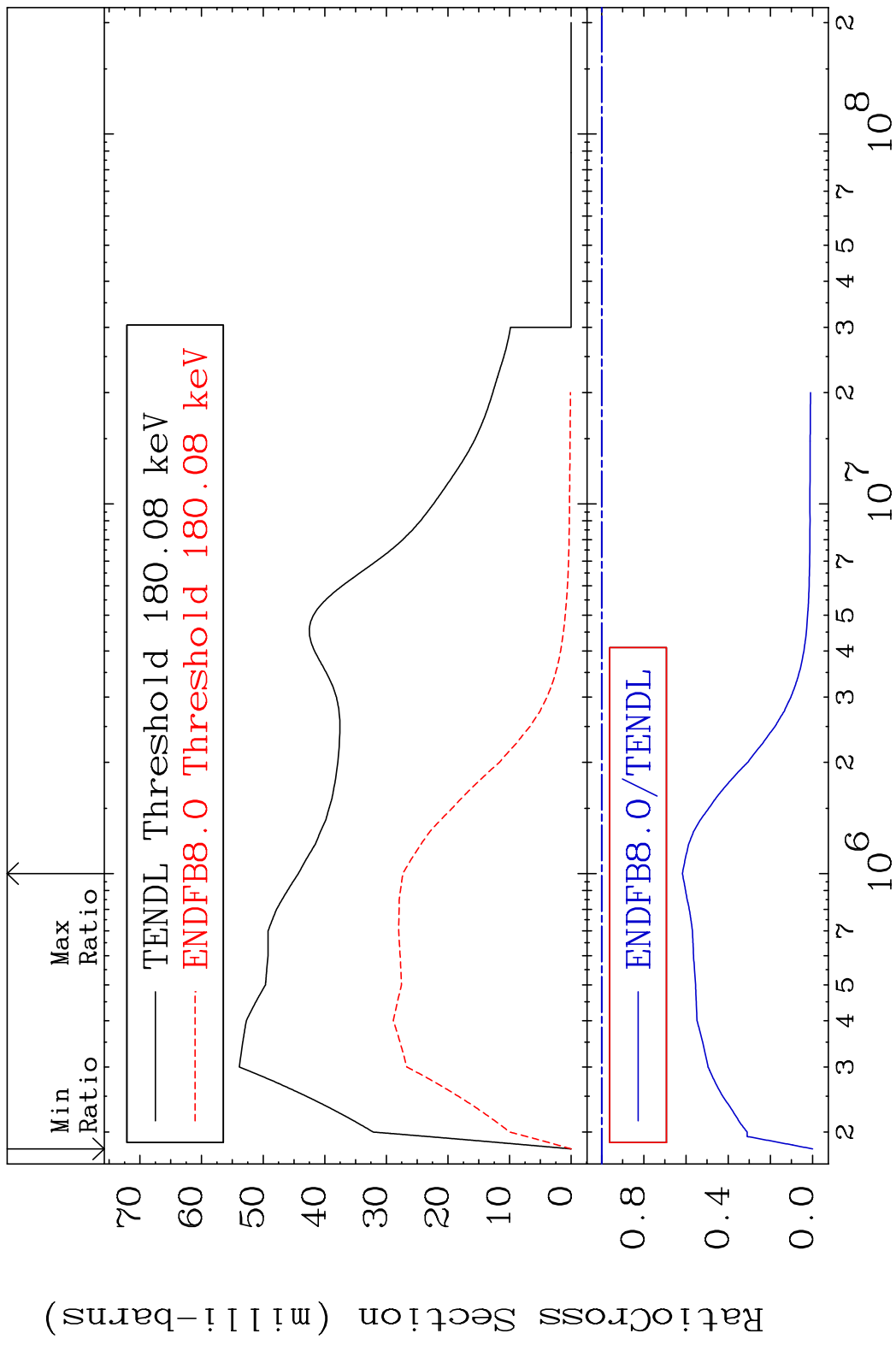


MAT 5128 MT= 56 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 17.01 %

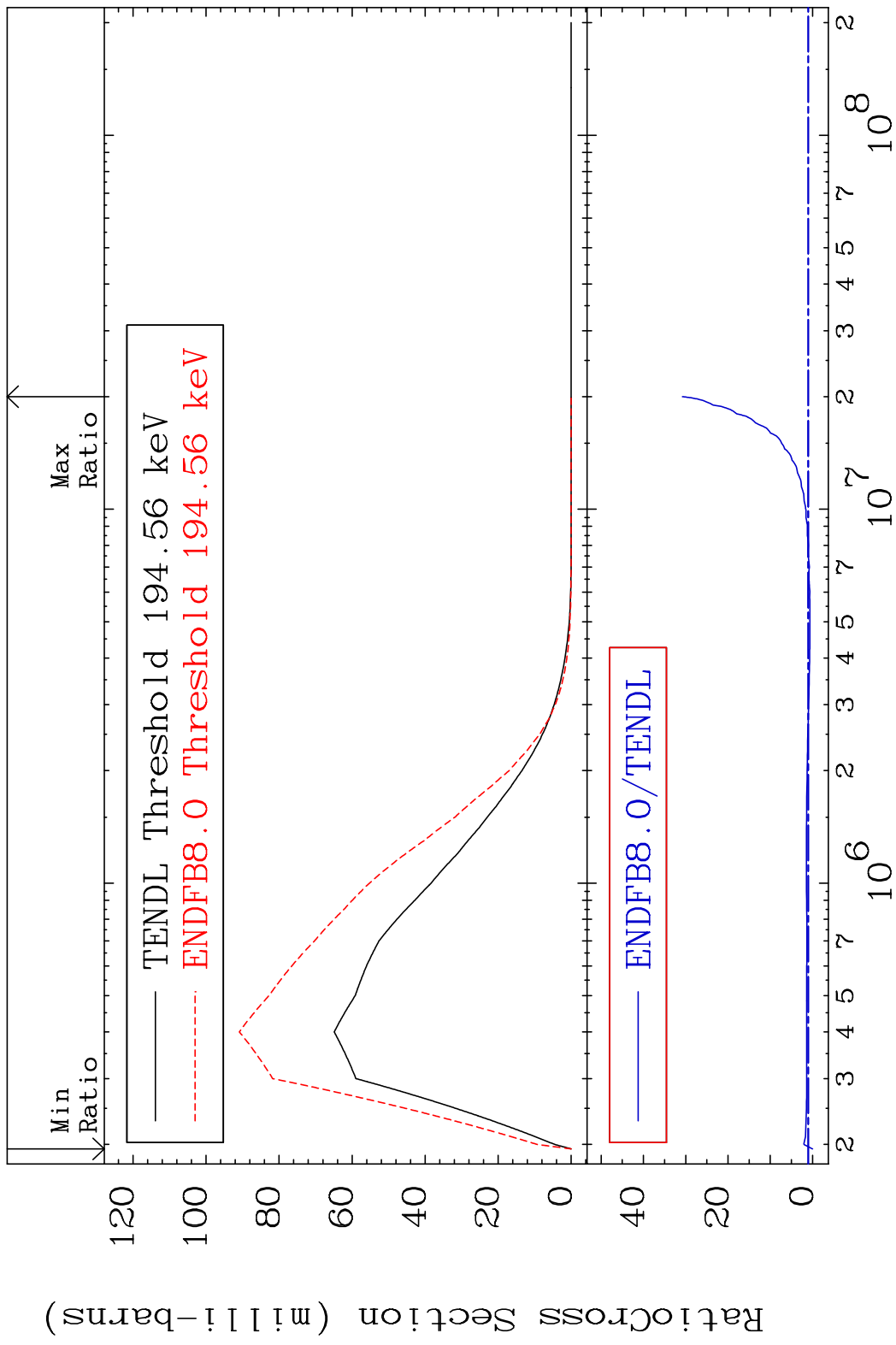


10 Incident Energy (eV) 51-Sb-122

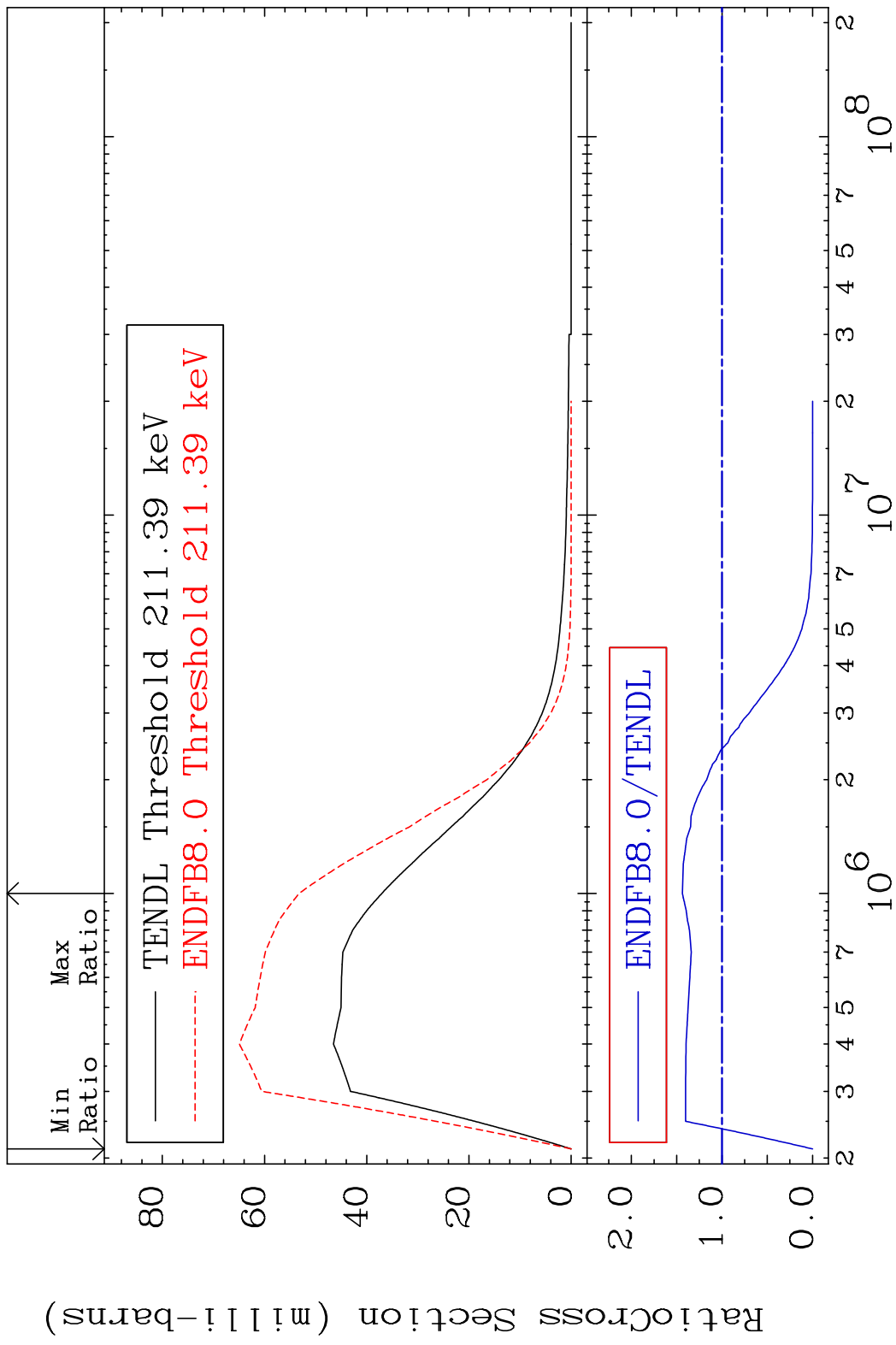
MAT 5128 MT= 57 (n,n') Level 51-Sb-122
 Cross Section -100.0 To -38.28%



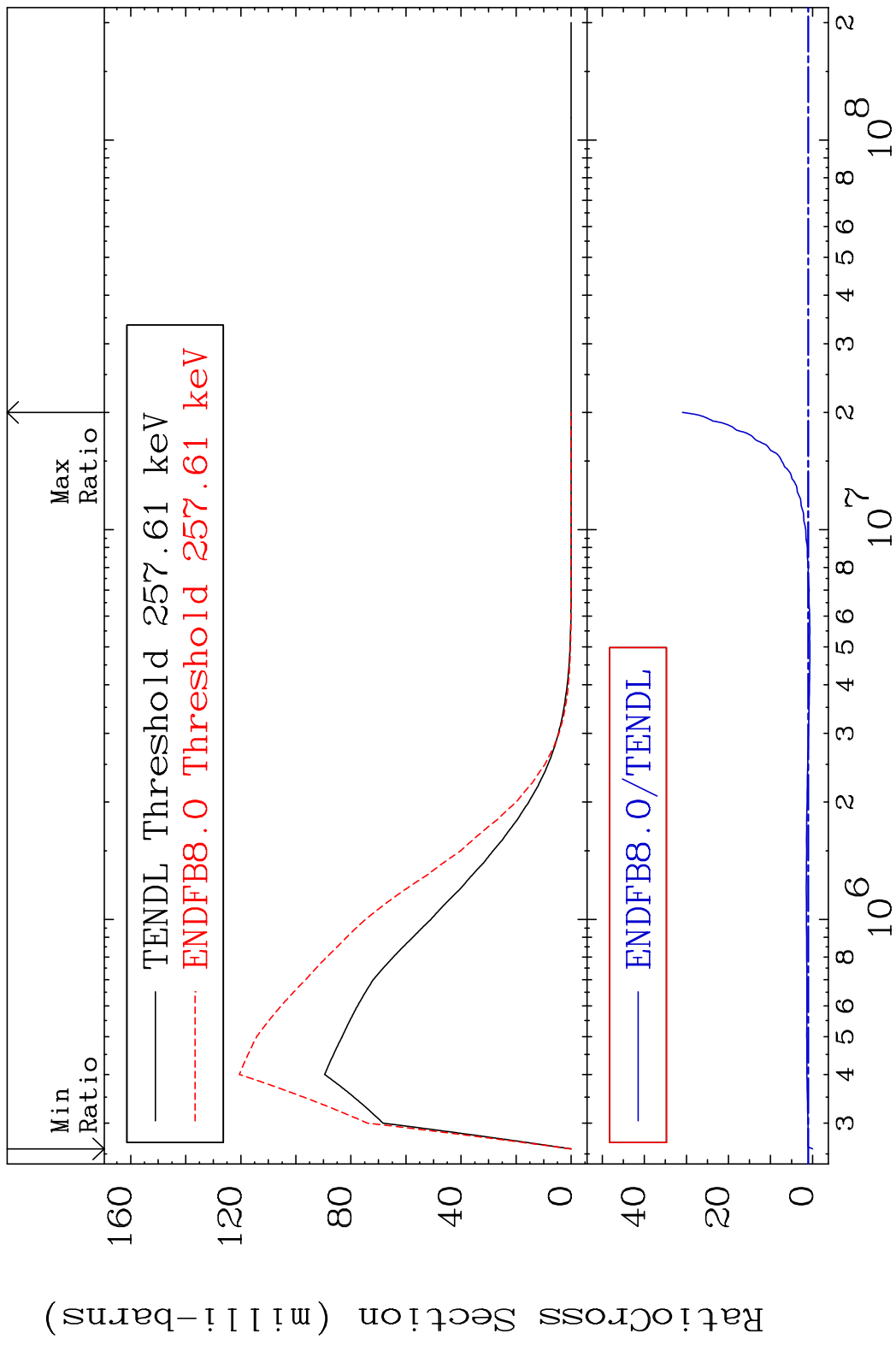
MAT 5128 MT= 58 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 2979. %



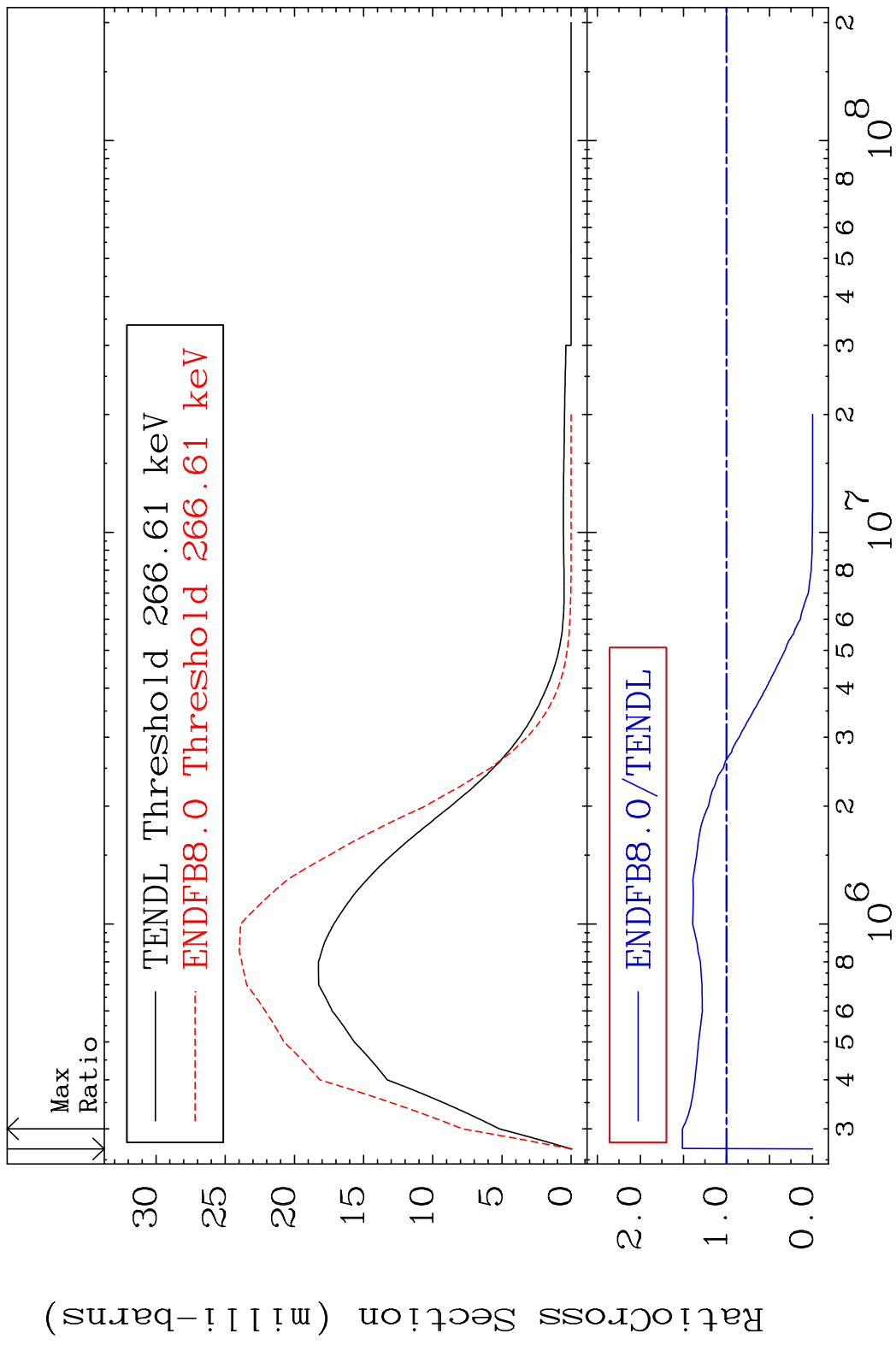
MAT 5128 MT= 59 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 43.71 %



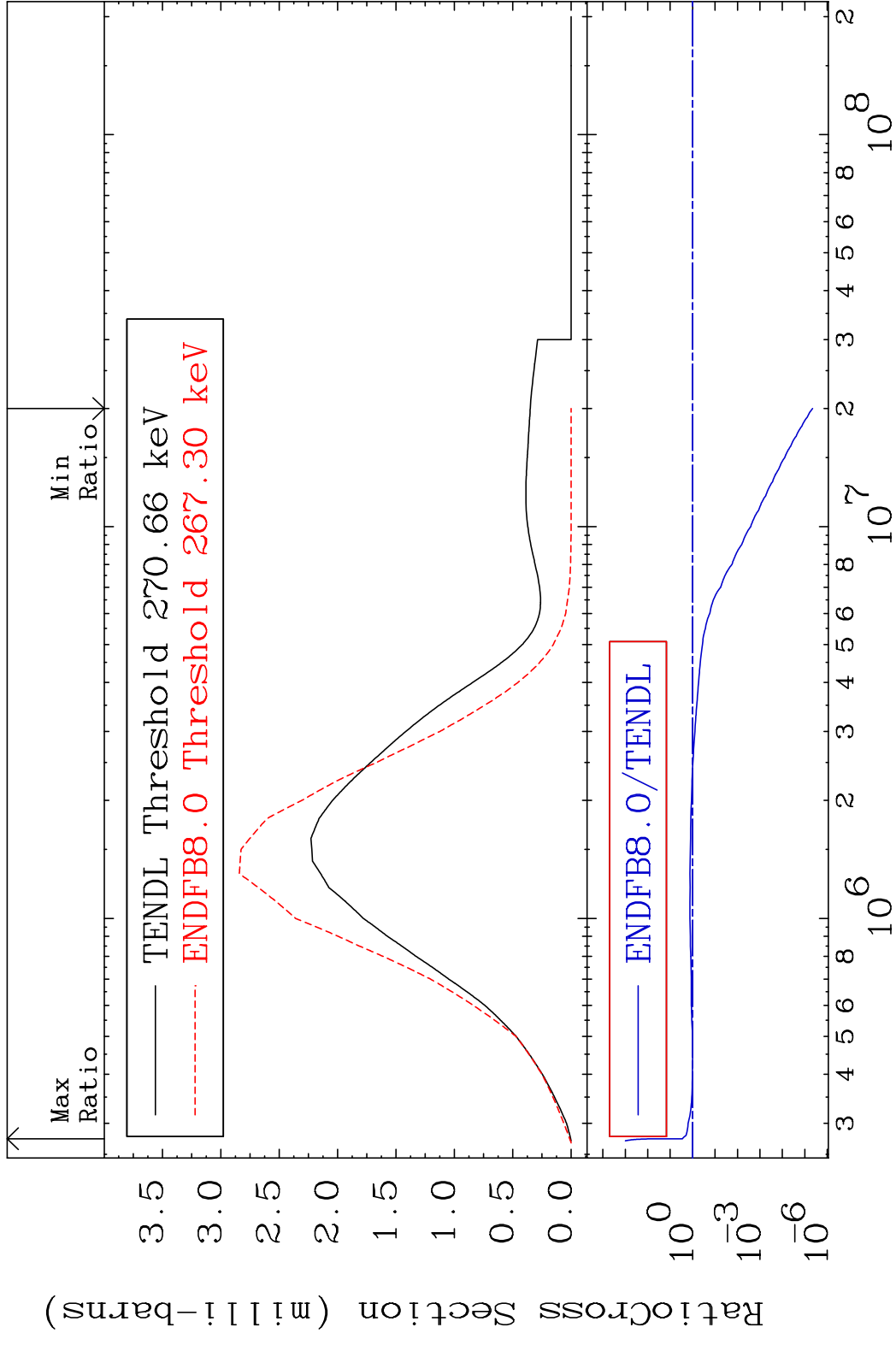
MAT 5128 MT= 60 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 2997. %



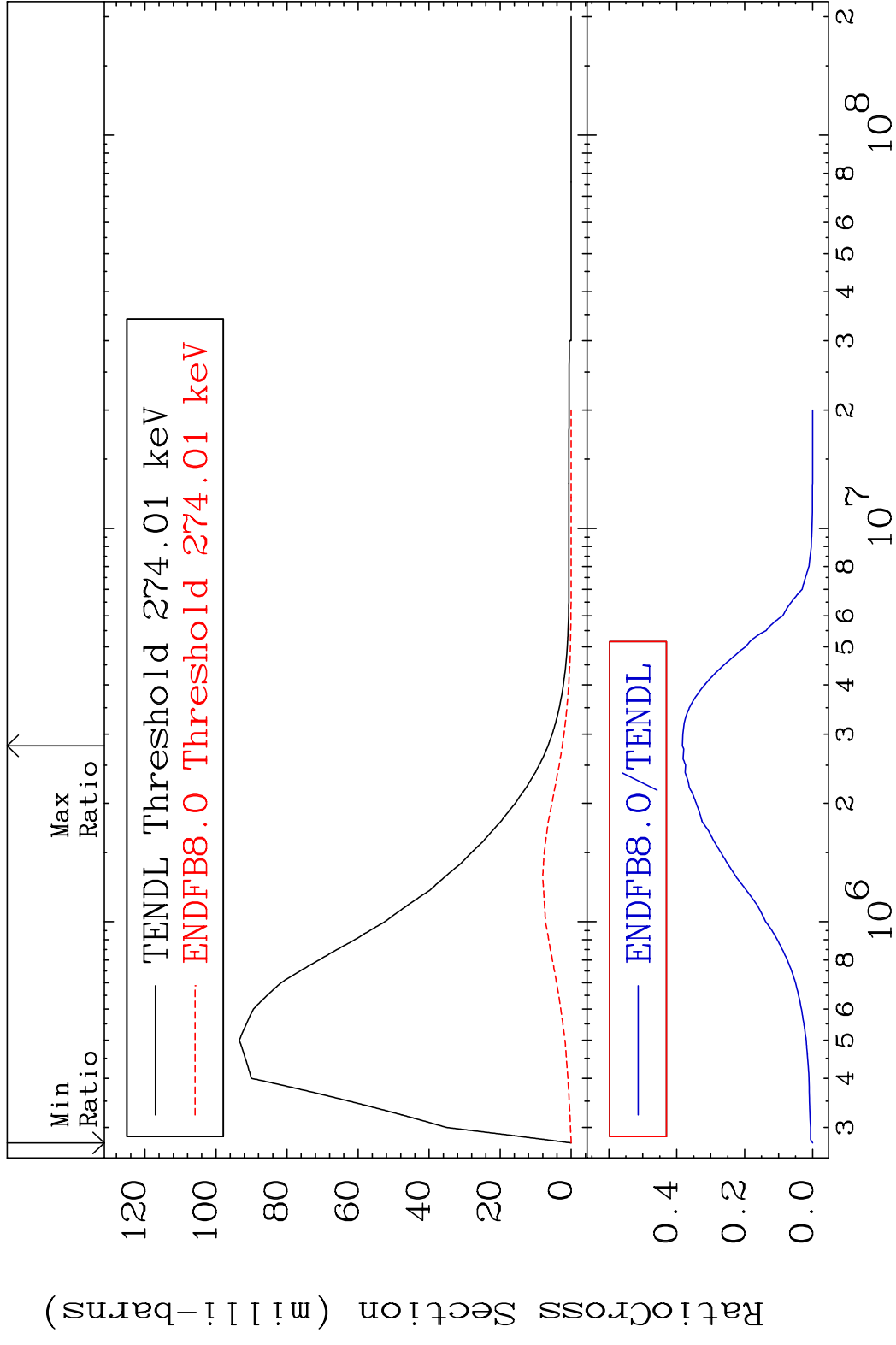
MAT 5128 MT= 61 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 51.28 %



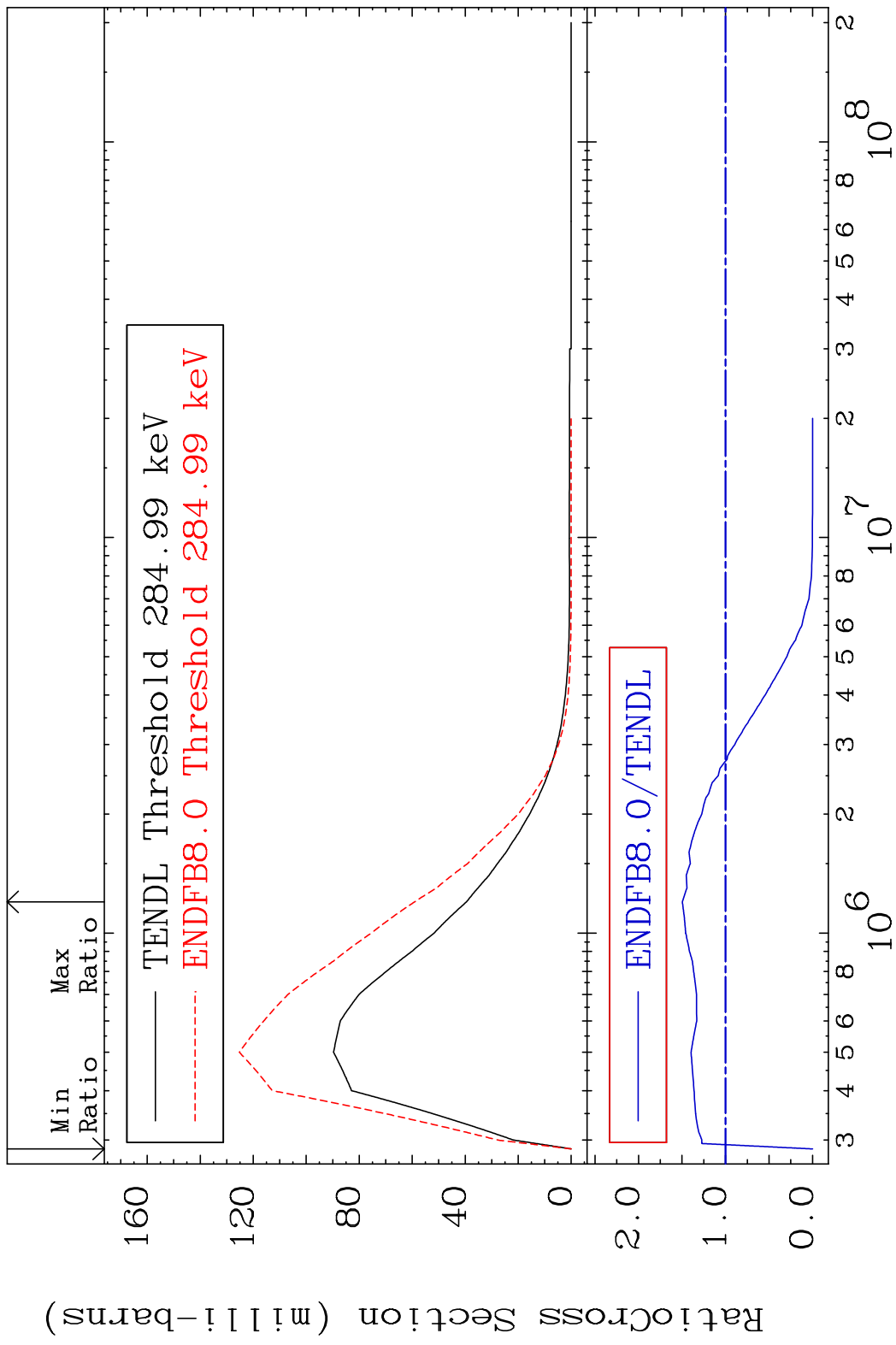
MAT 5128 MT= 62 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 186.6 %



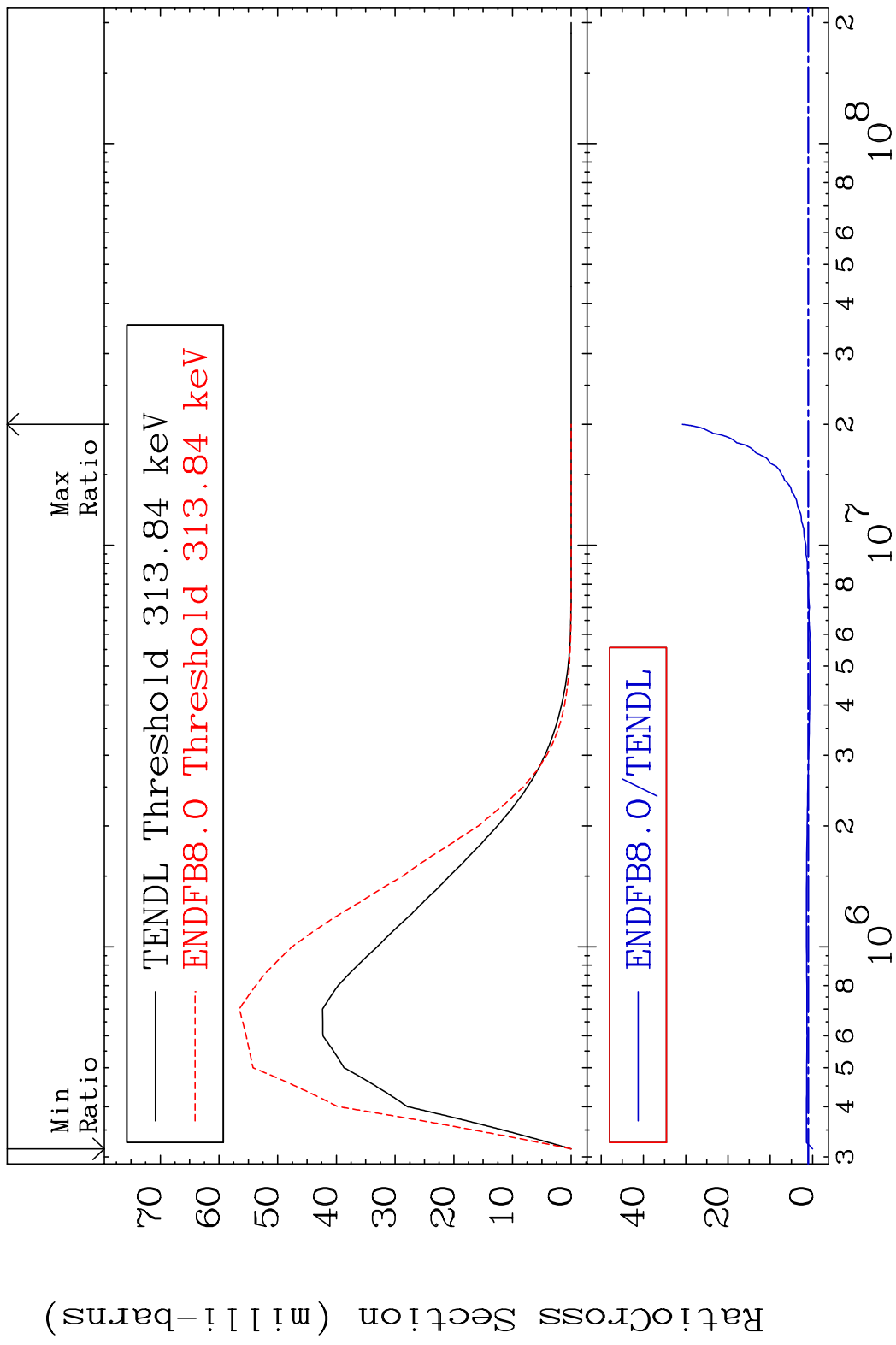
MAT 5128 MT= 63 (n, n') Level 51-Sb-122
 Cross Section -100.0 To -61.65%



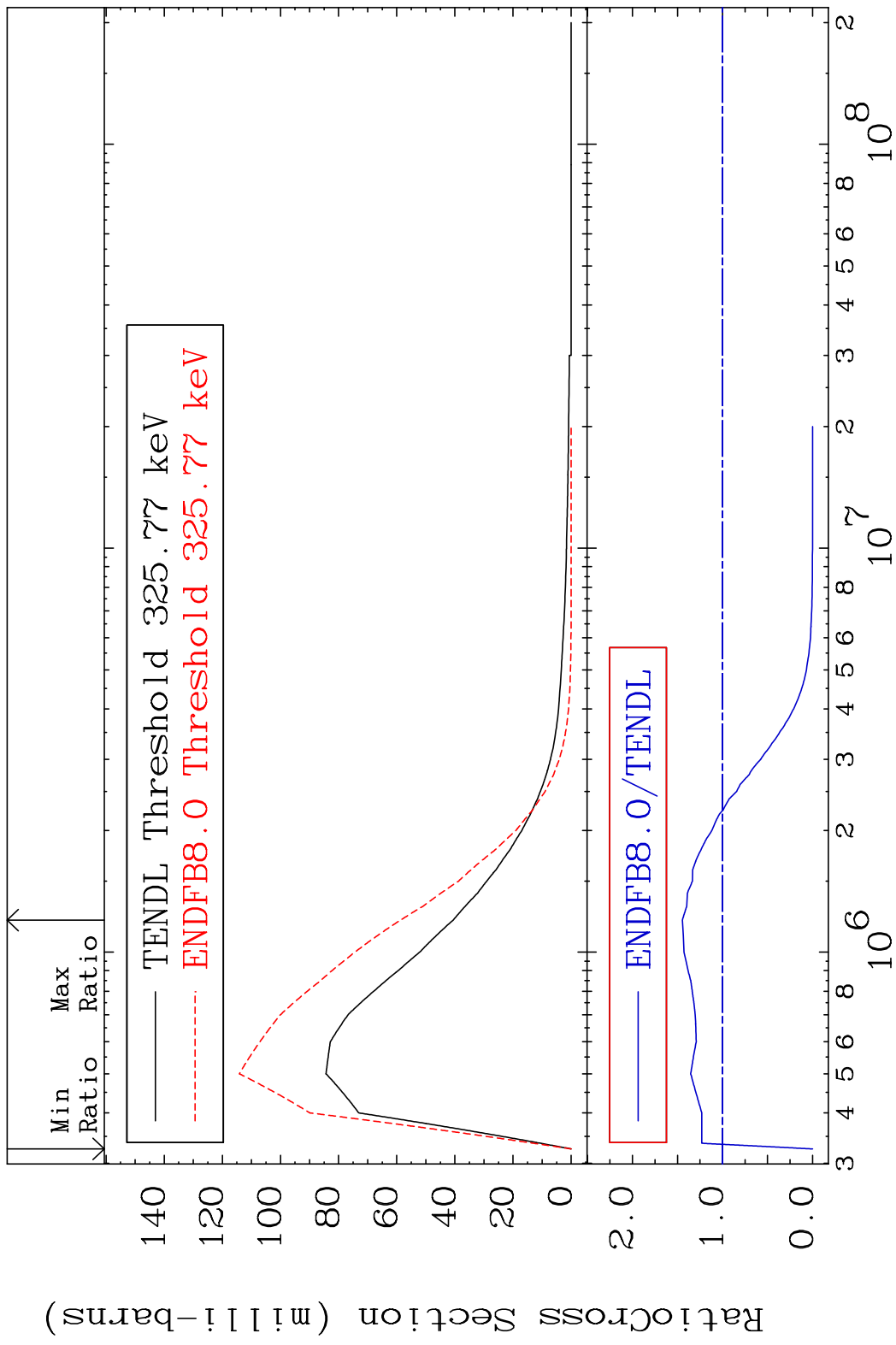
MAT 5128 MT= 64 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 49.62 %



MAT 5128 MT= 65 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 2980. %

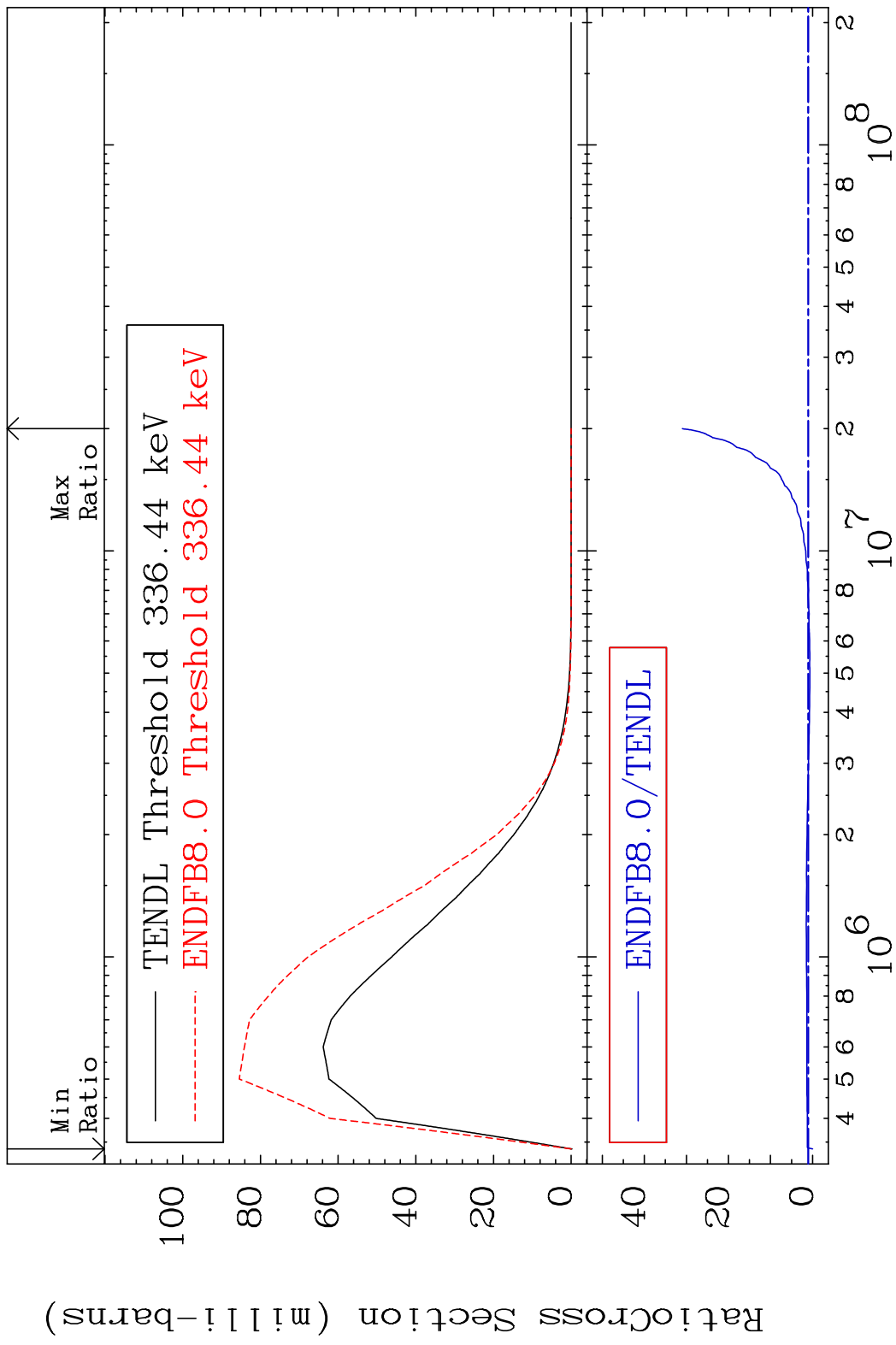


MAT 5128 MT= 66 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 44.62 %

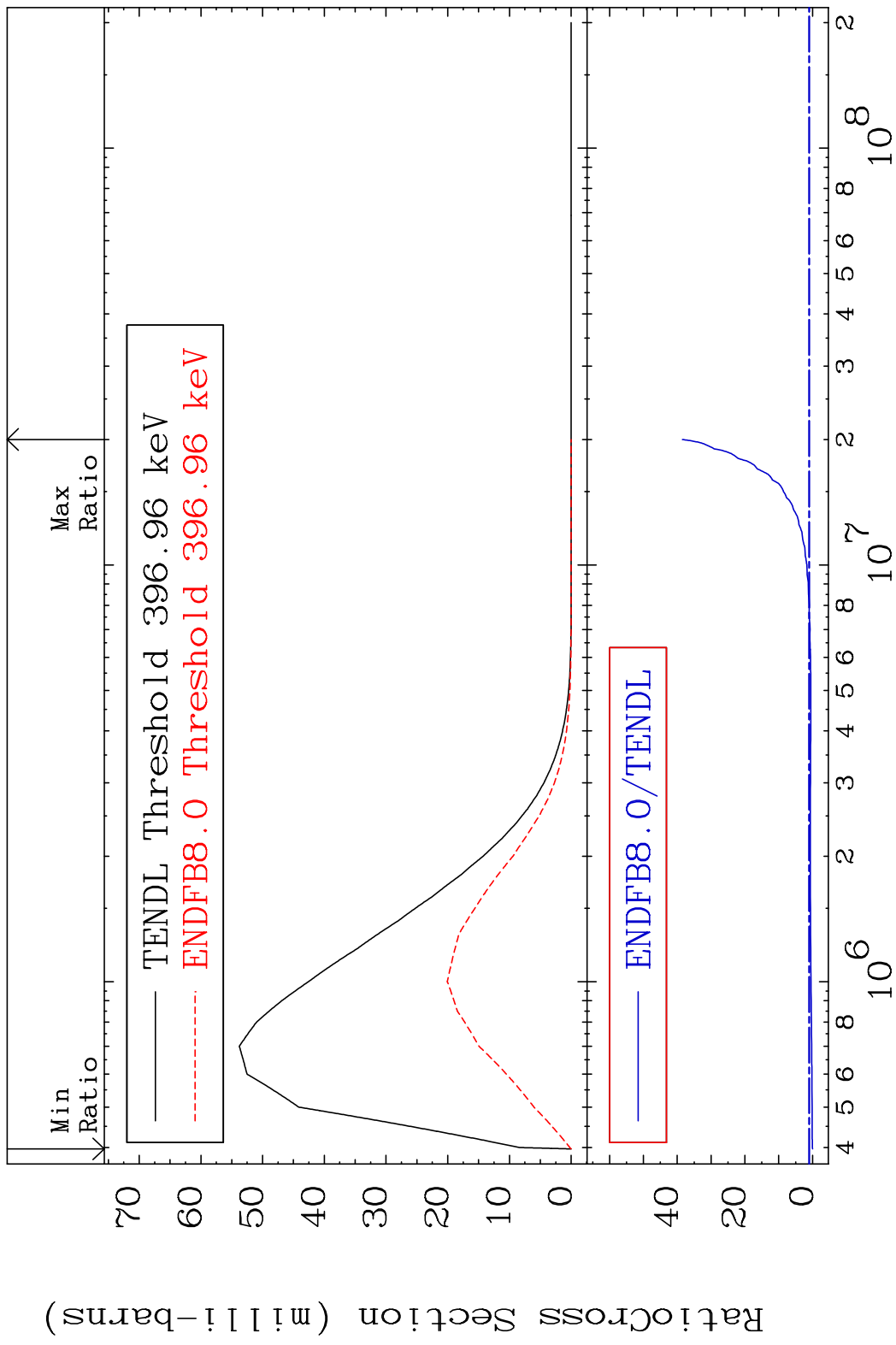


20 Incident Energy (eV) 51-Sb-122

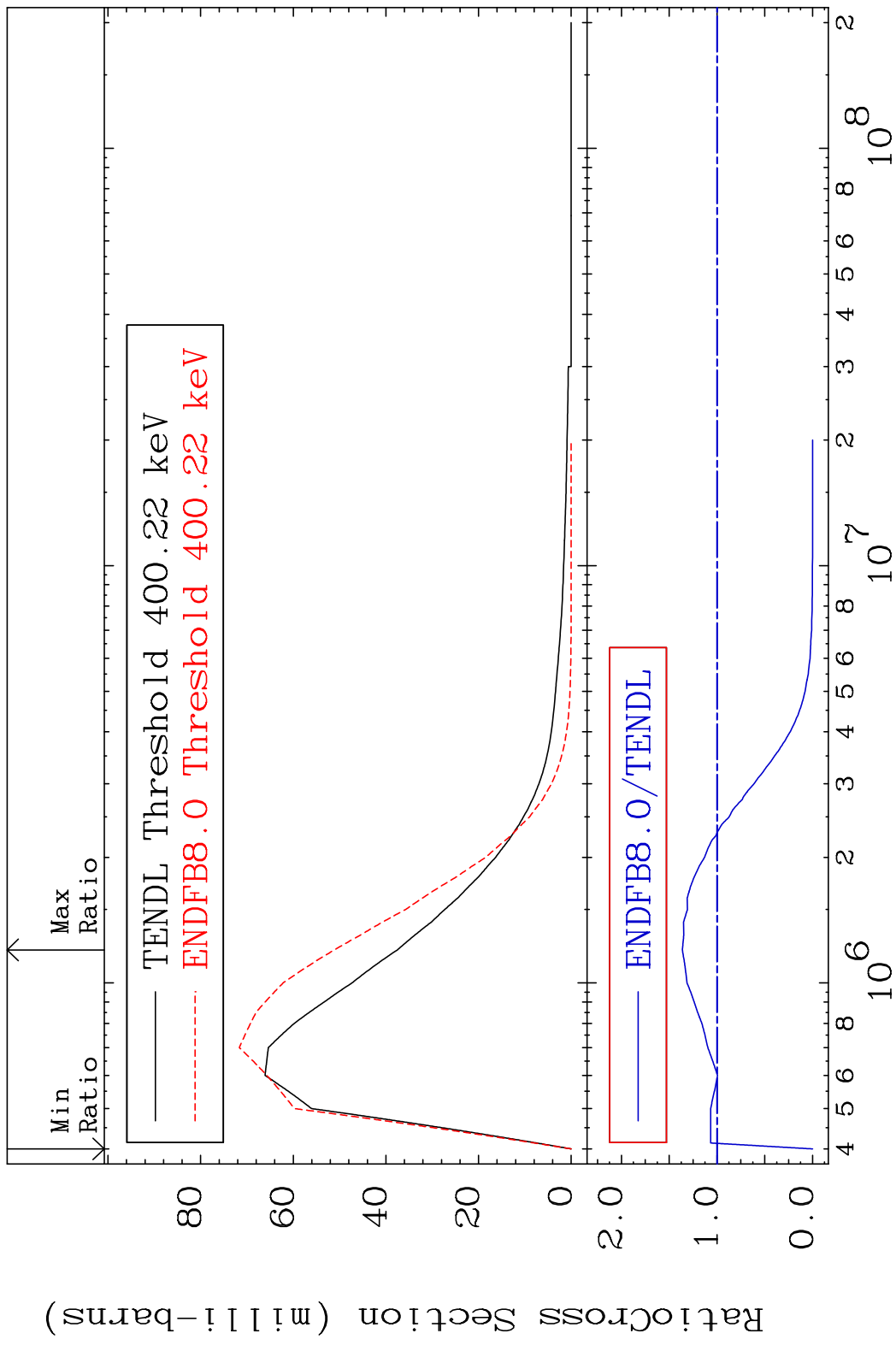
MAT 5128 MT= 67 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2997. %



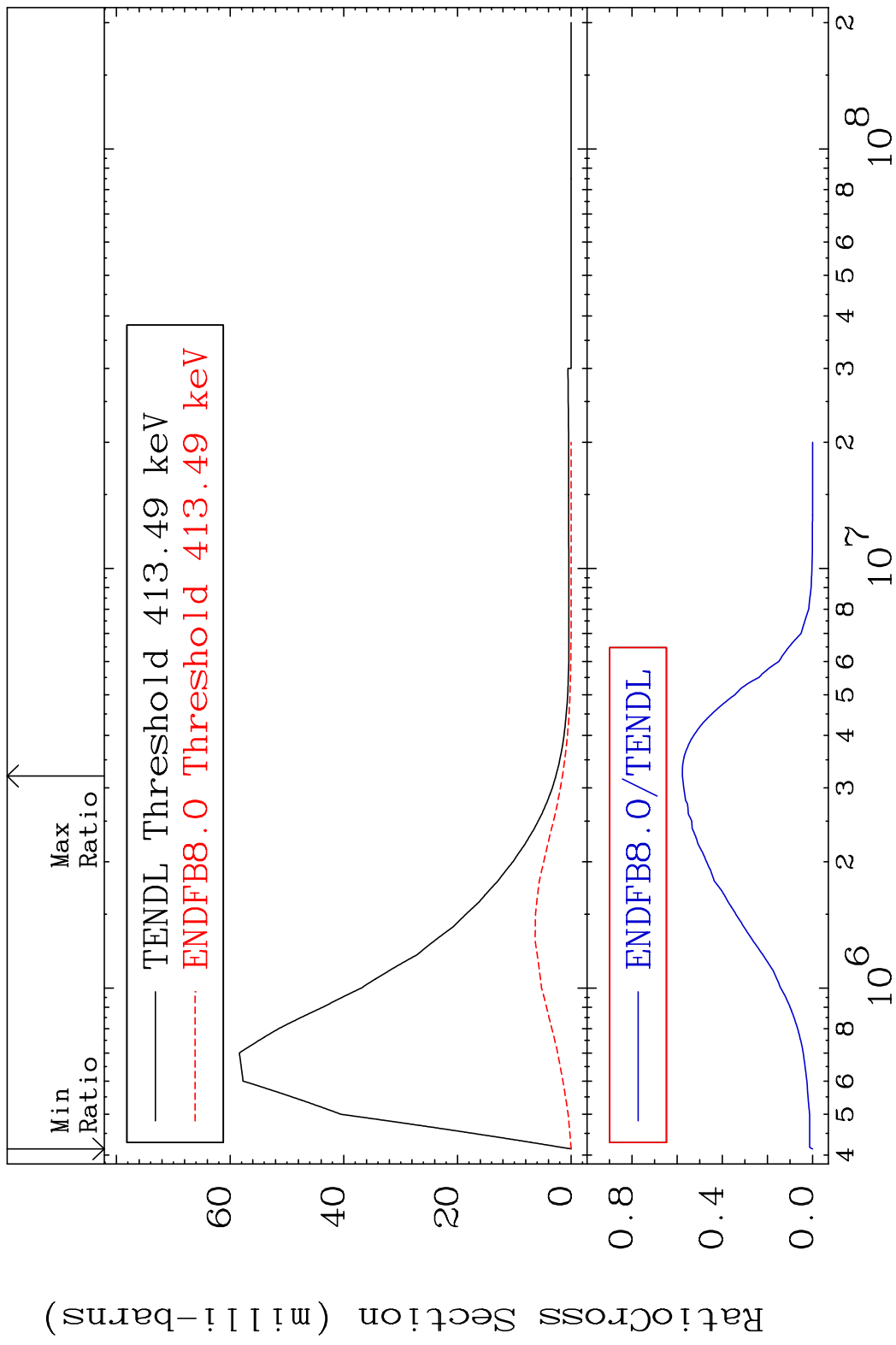
MAT 5128 MT= 68 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 3749. %



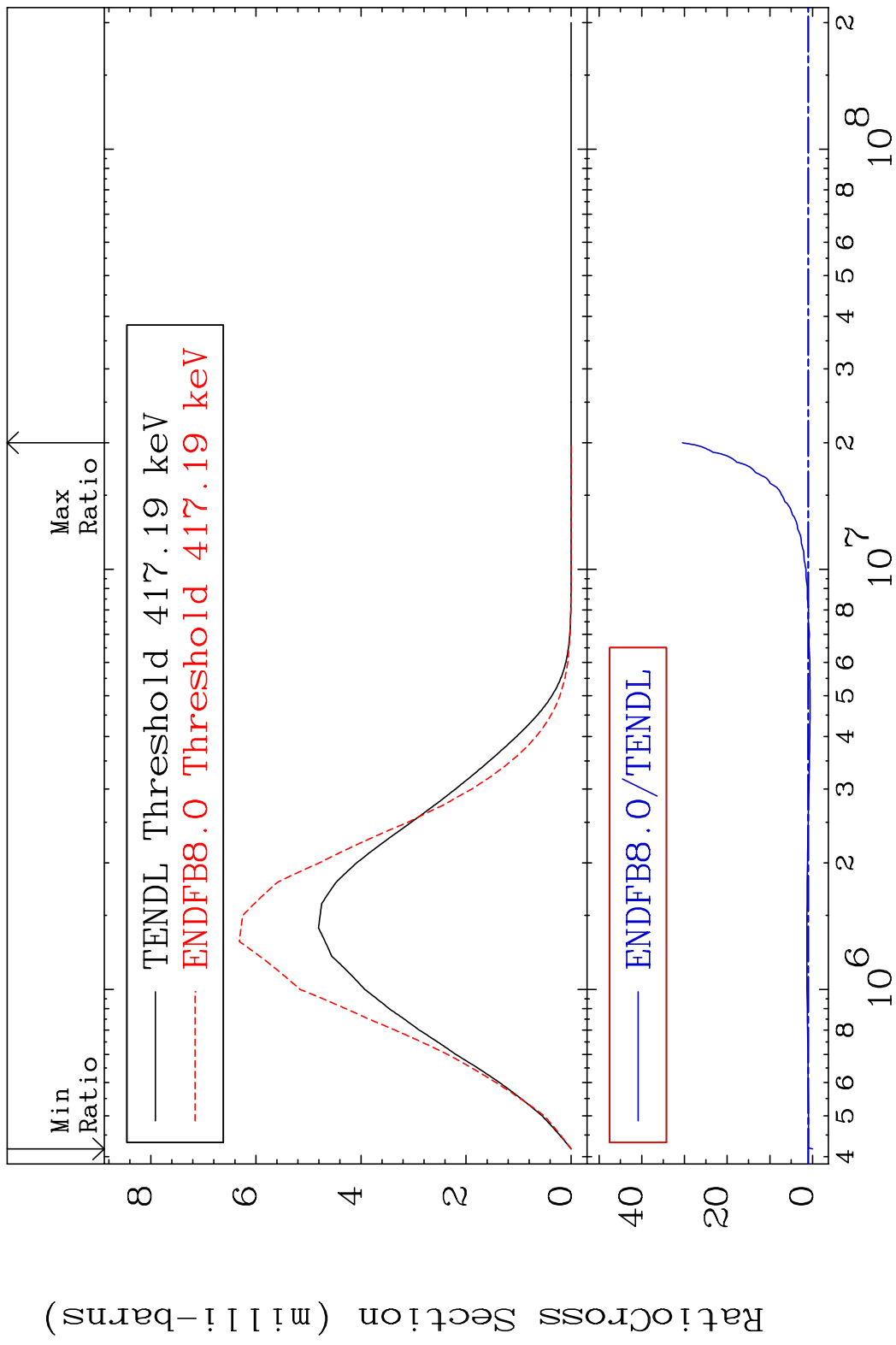
MAT 5128 MT= 69 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 36.24 %



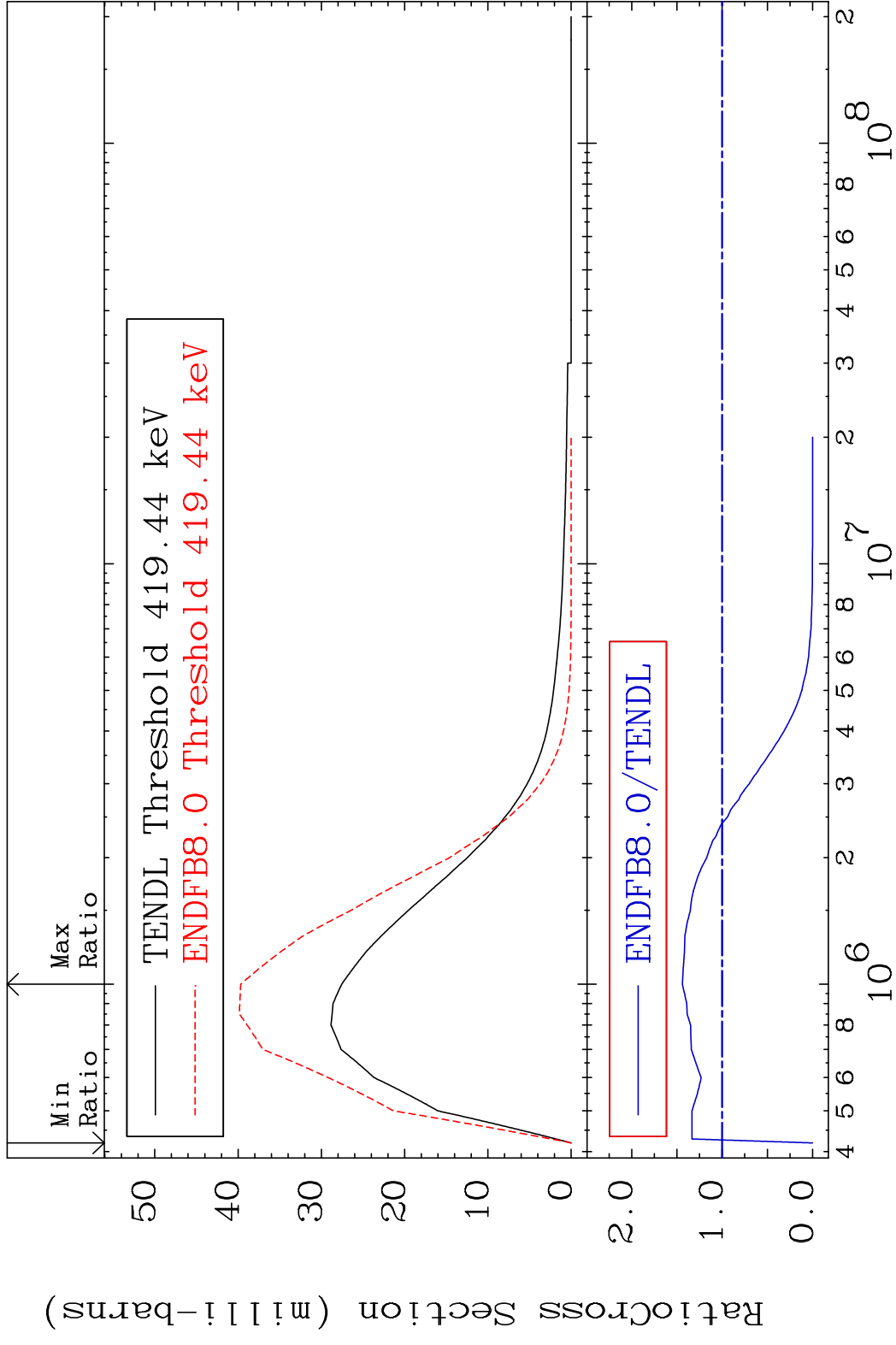
MAT 5128 MT= 70 (n,n') Level 51-Sb-122
 Cross Section -100.0 To -42.34%



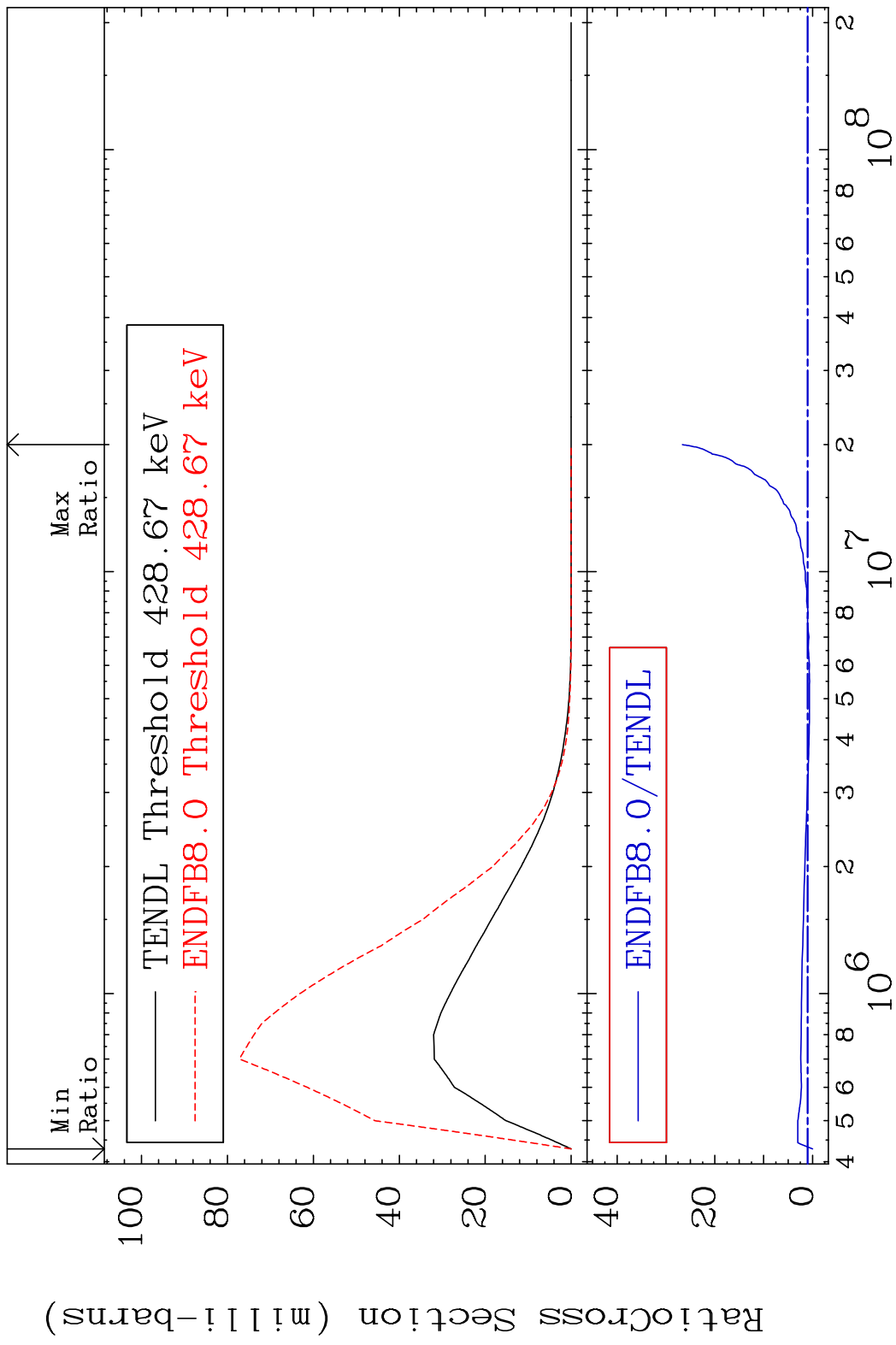
MAT 5128 MT= 71 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2950. %



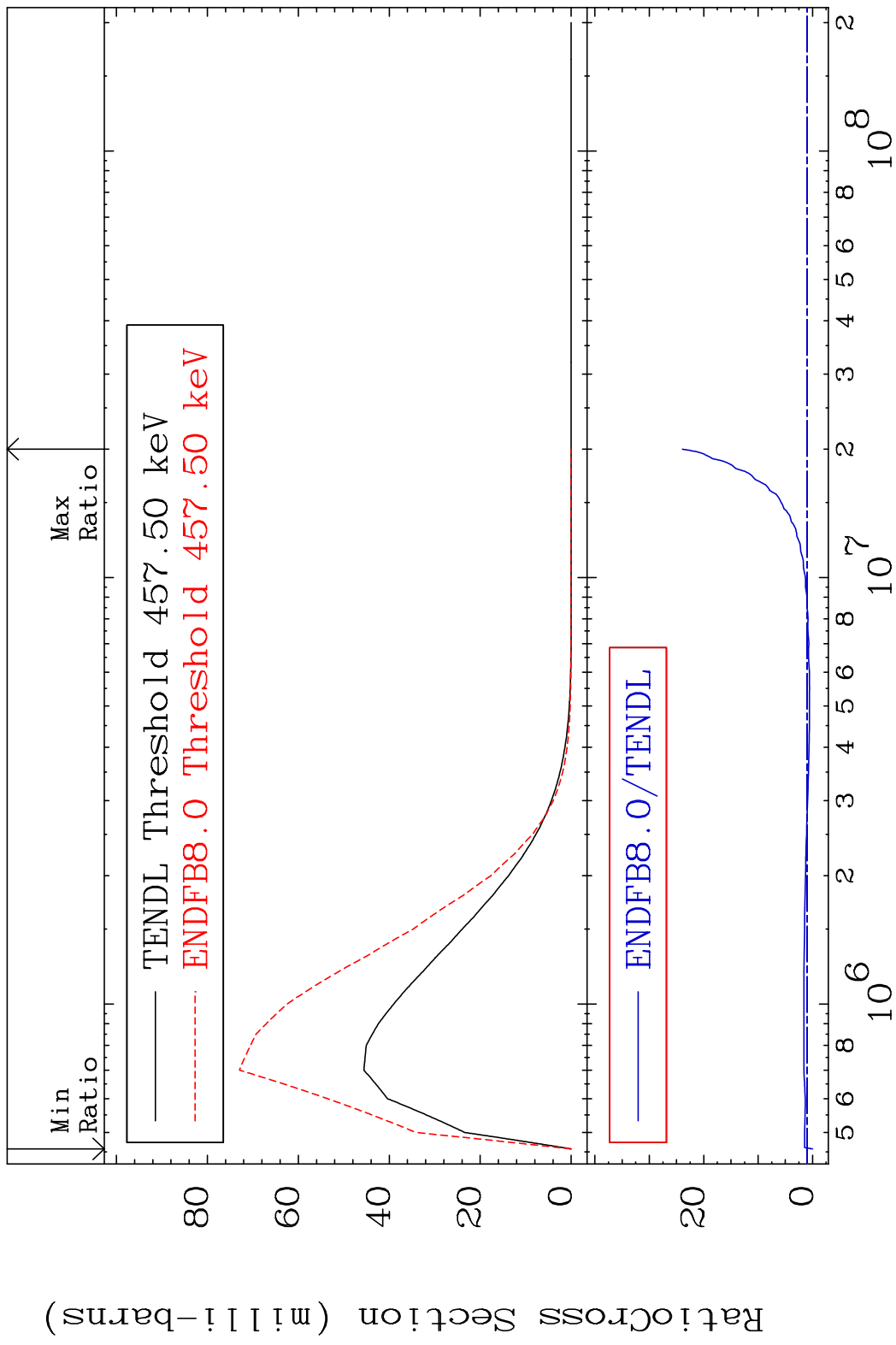
MAT 5128 MT= 72 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 43.99 %



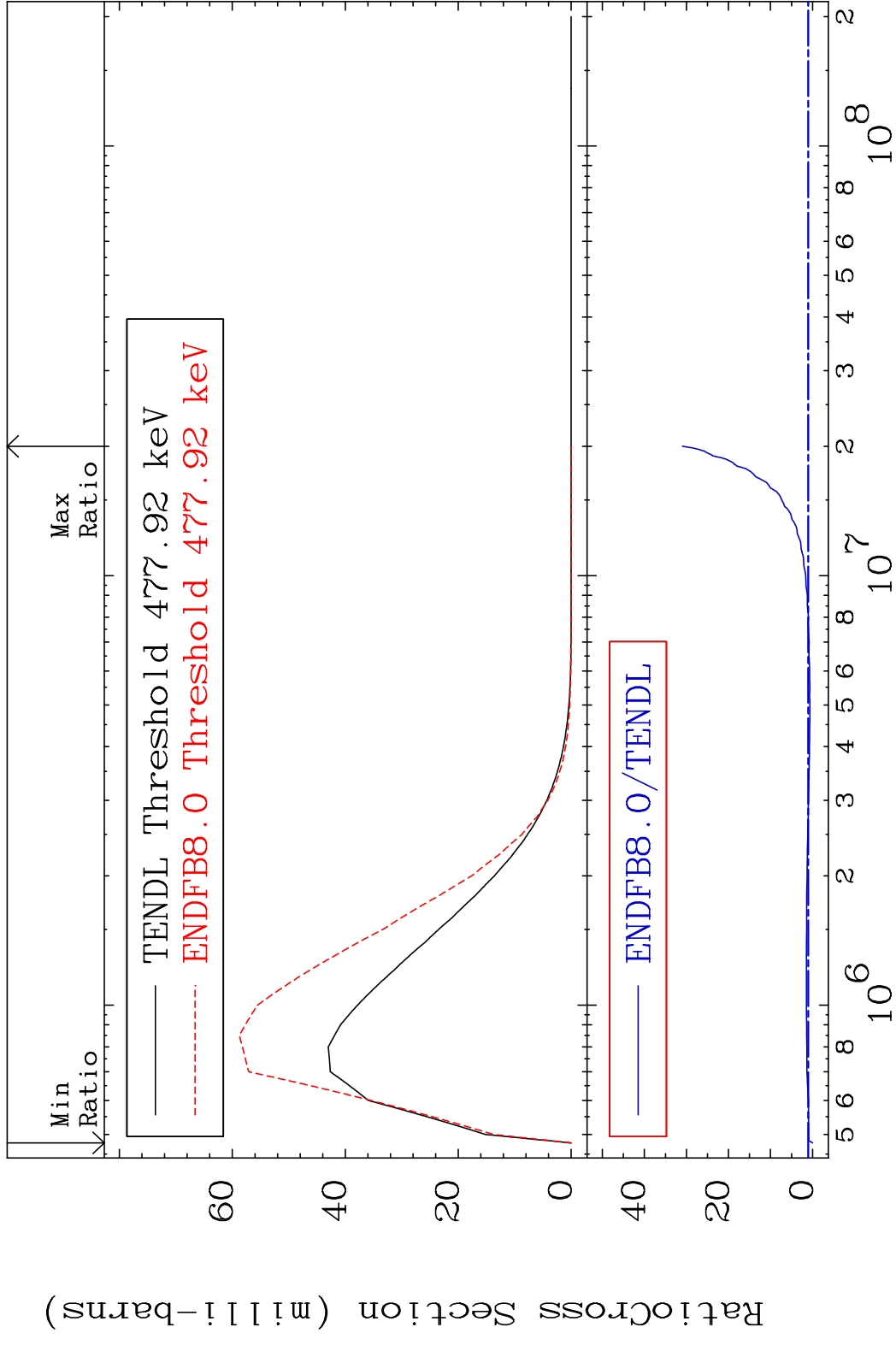
MAT 5128 MT= 73 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2564. %



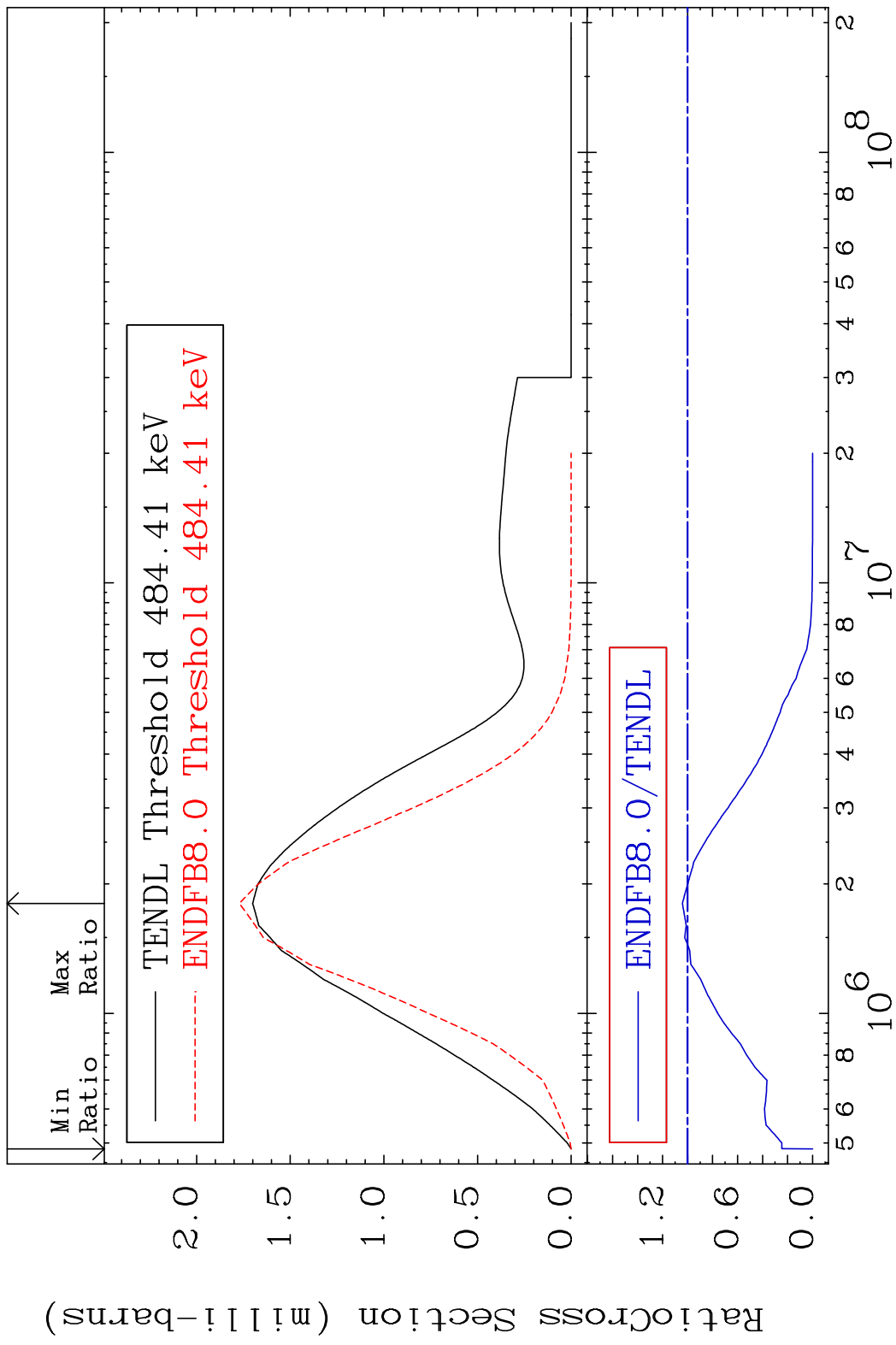
MAT 5128 MT= 74 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2293. %



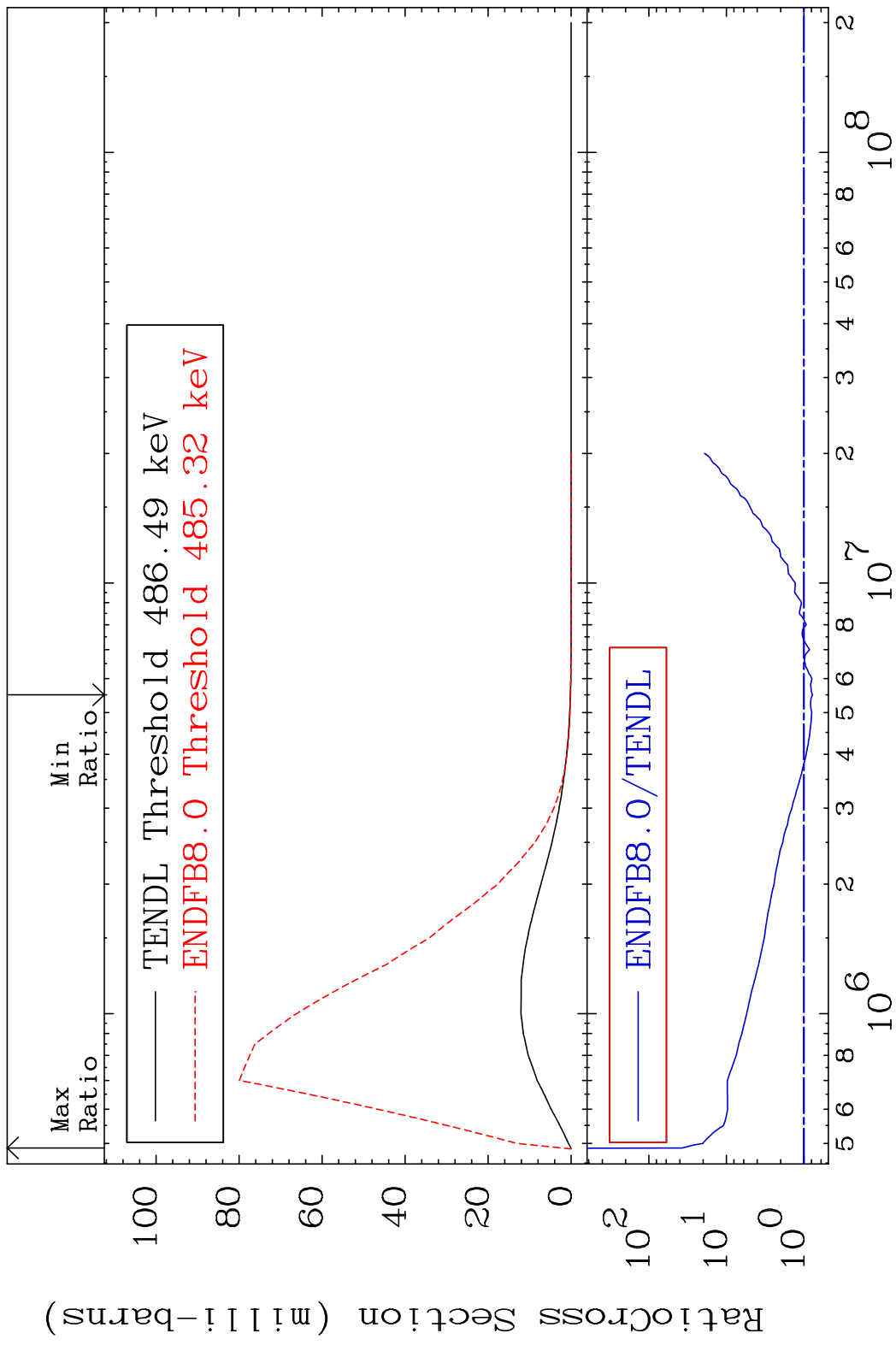
MAT 5128 MT= 75 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2997. %



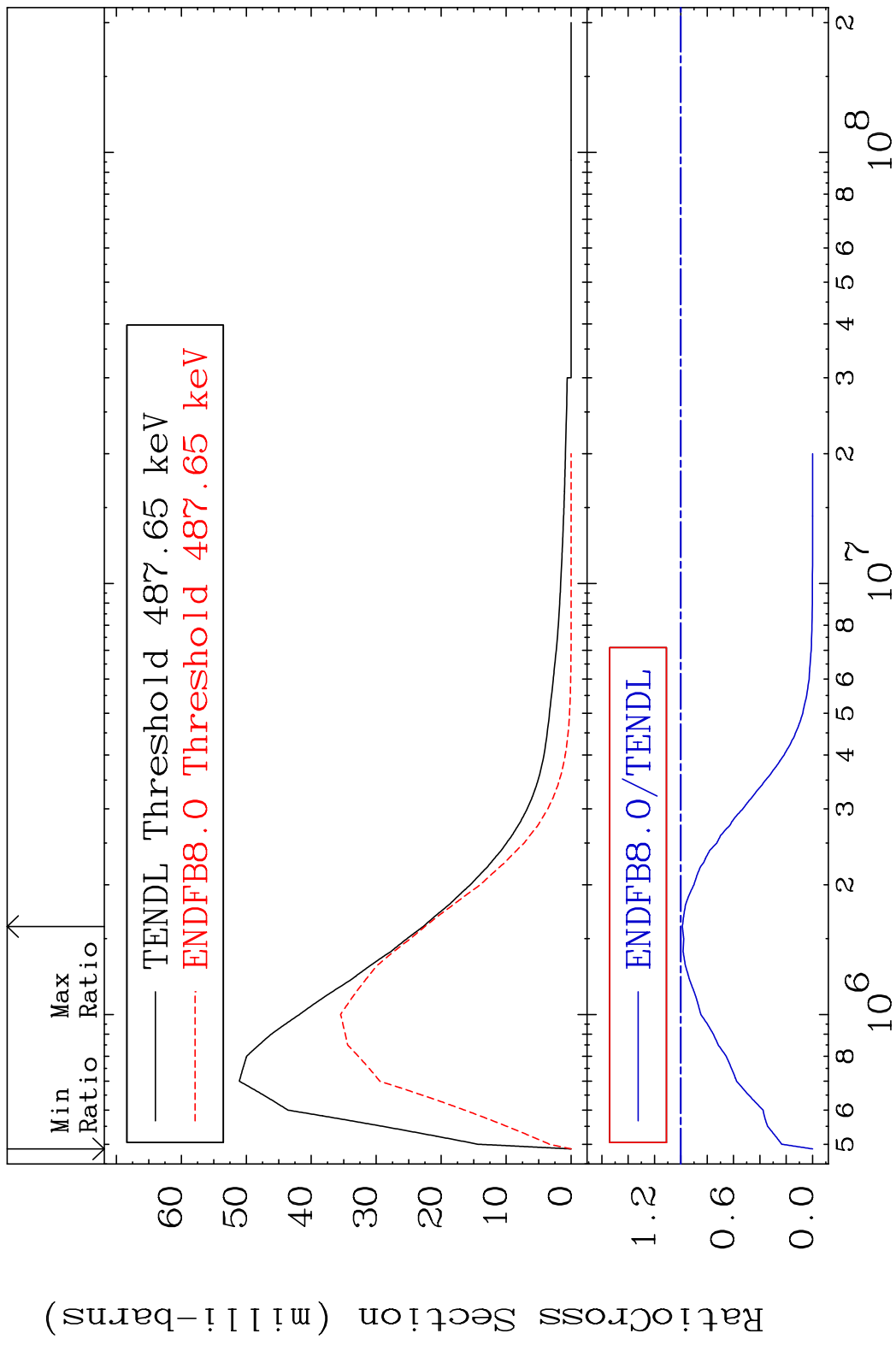
MAT 5128 MT= 76 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 4.185 %



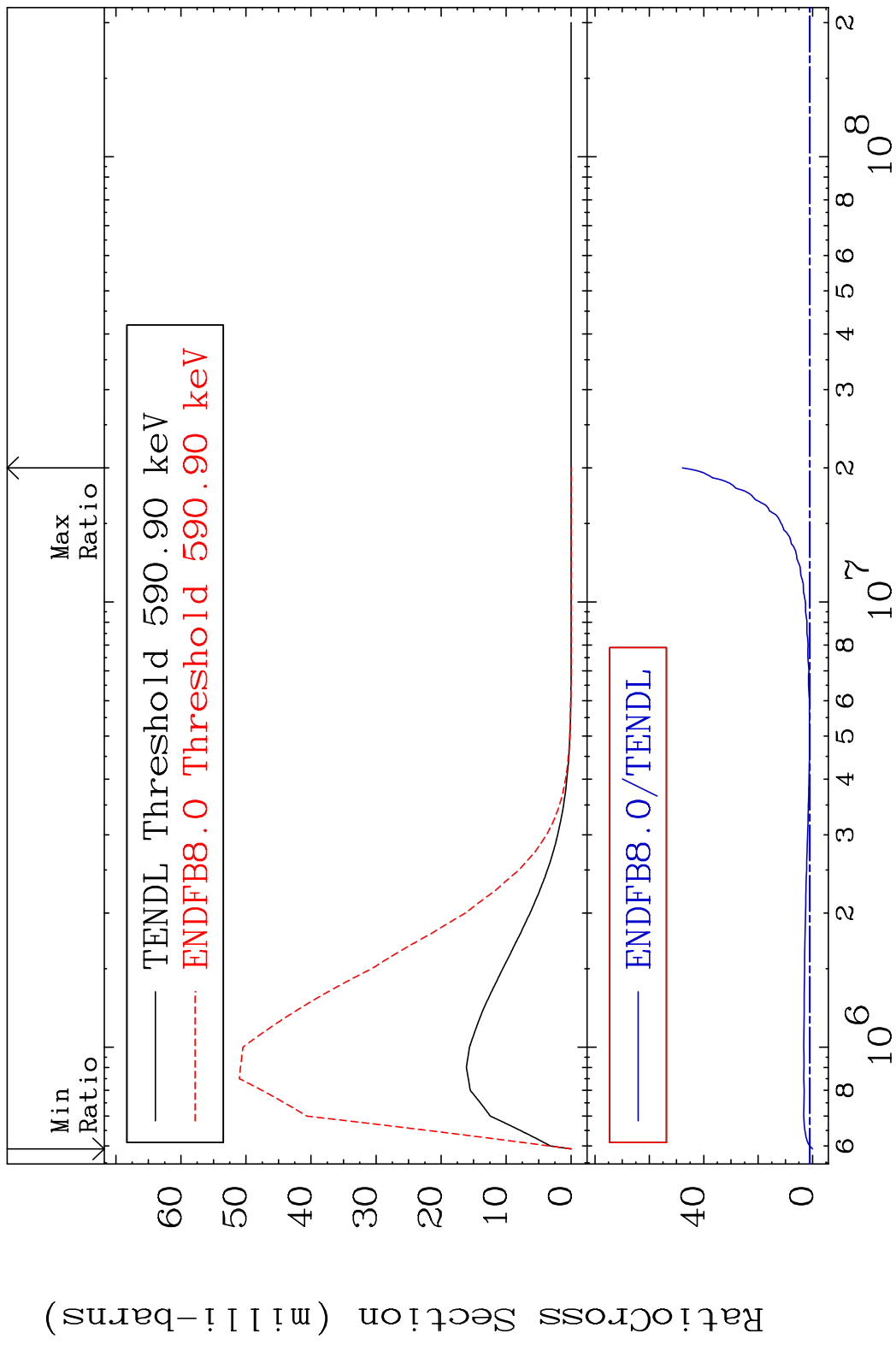
MAT 5128 MT= 77 (n, n') Level 51-Sb-122
 Cross Section -22.55 To 3605. %



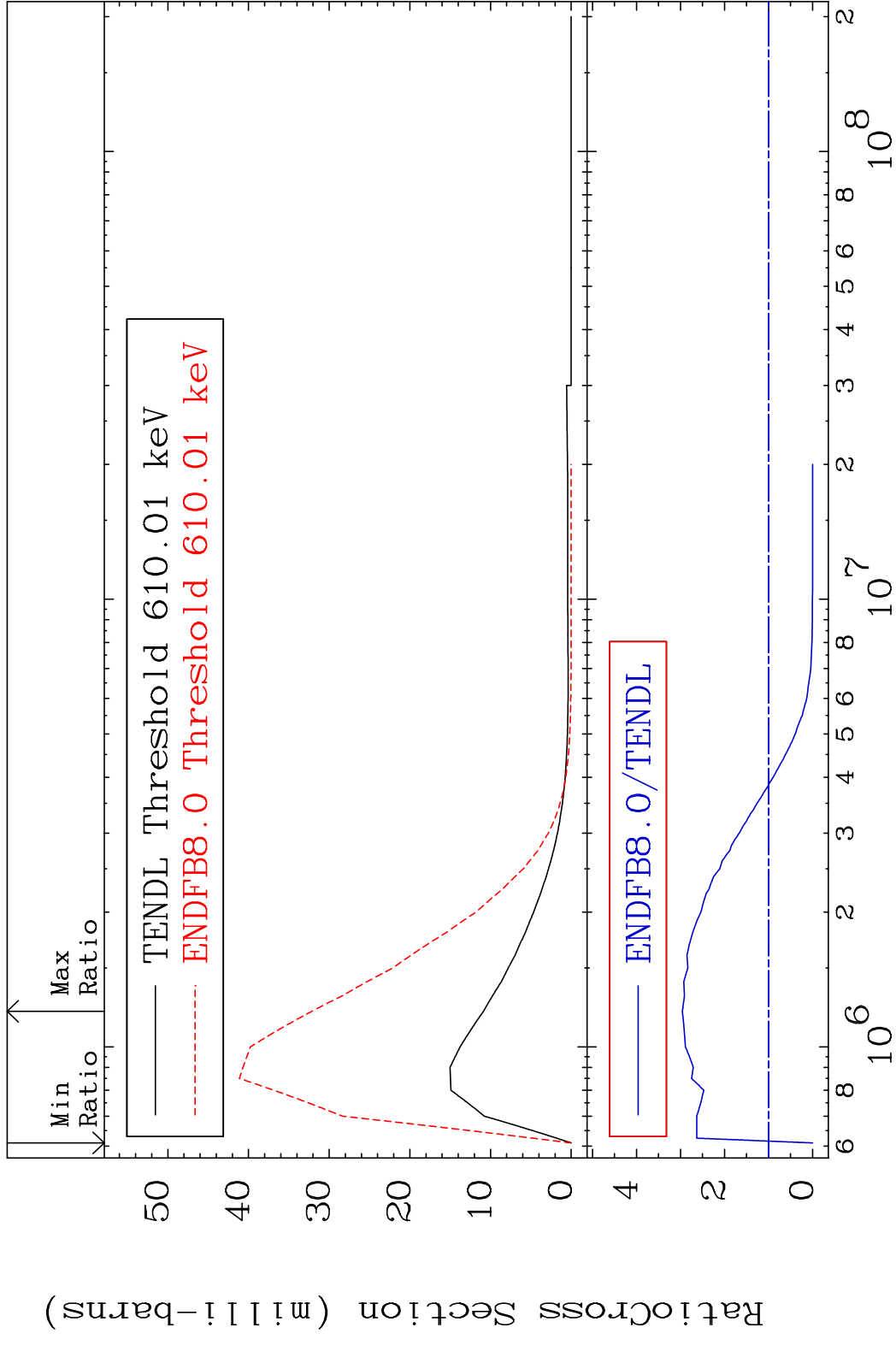
MAT 5128 MT= 78 (n,n') Level 51-Sb-122
 Cross Section -100.0 To -1.124%



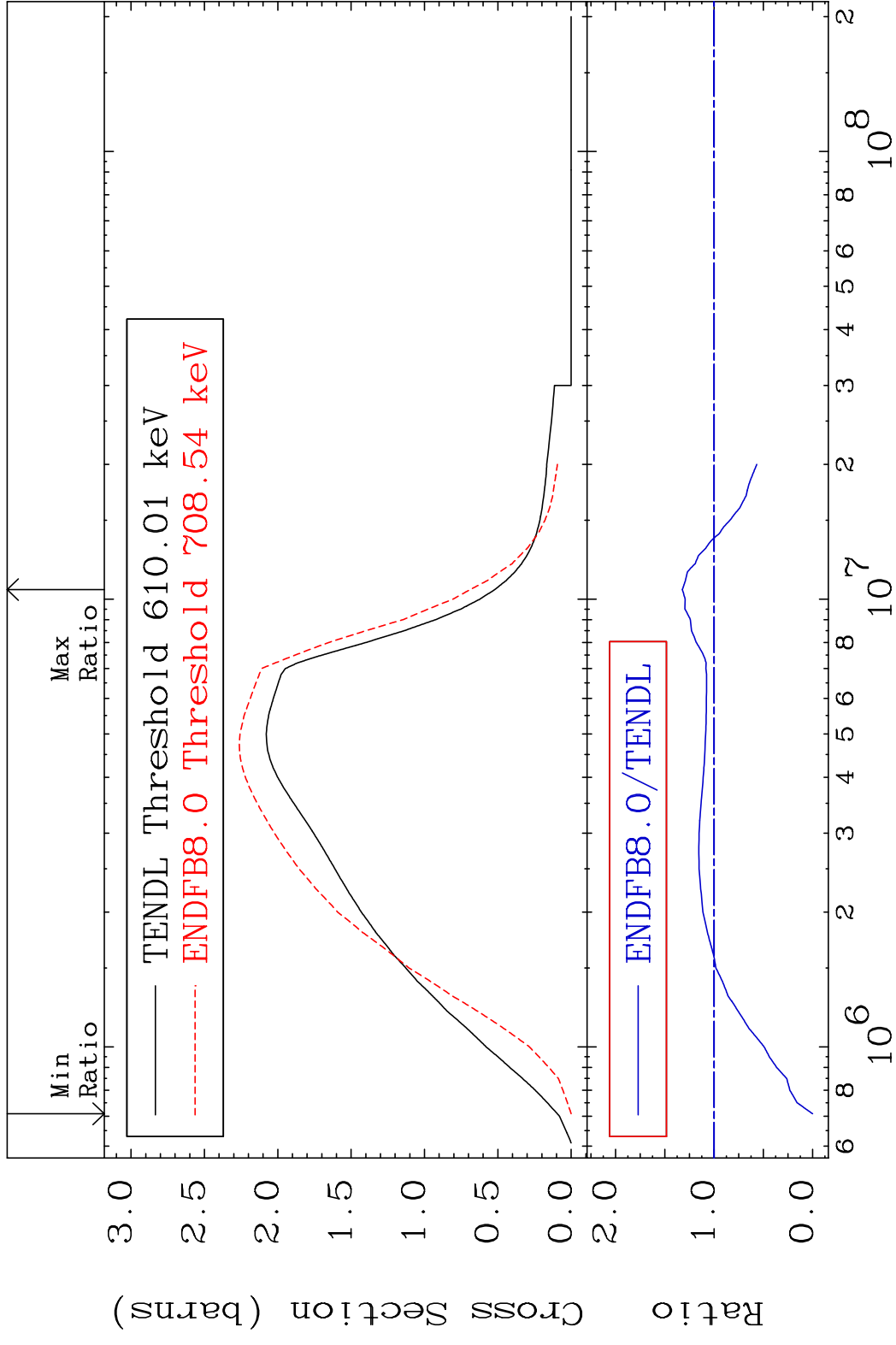
MAT 5128 MT= 79 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 4687. %



MAT 5128 MT= 80 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 195.8 %

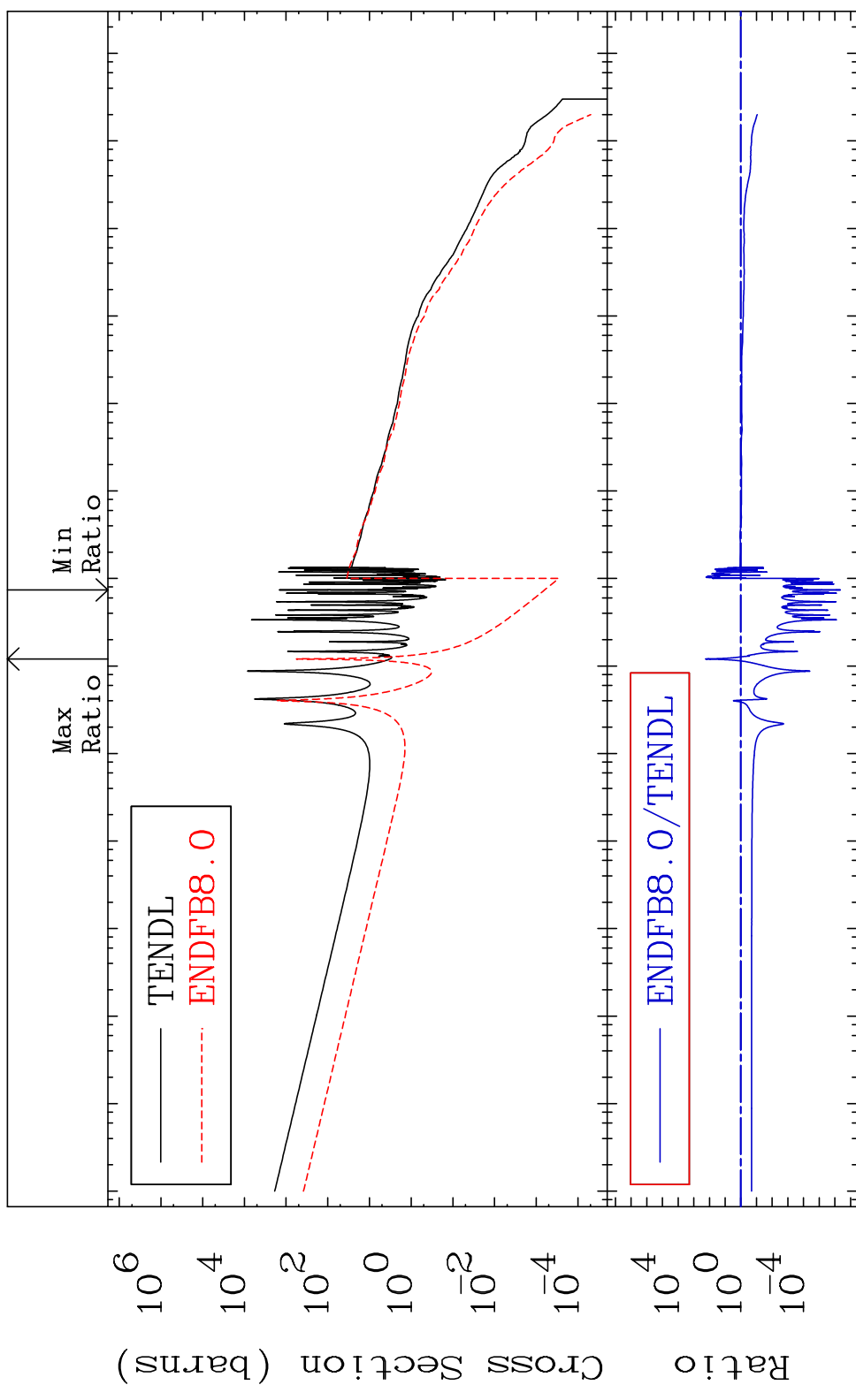


MAT 5128 (n, n') Continuum 51-Sb-122
 Cross Section -100.0 To 32.21 %



MAT 5128

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



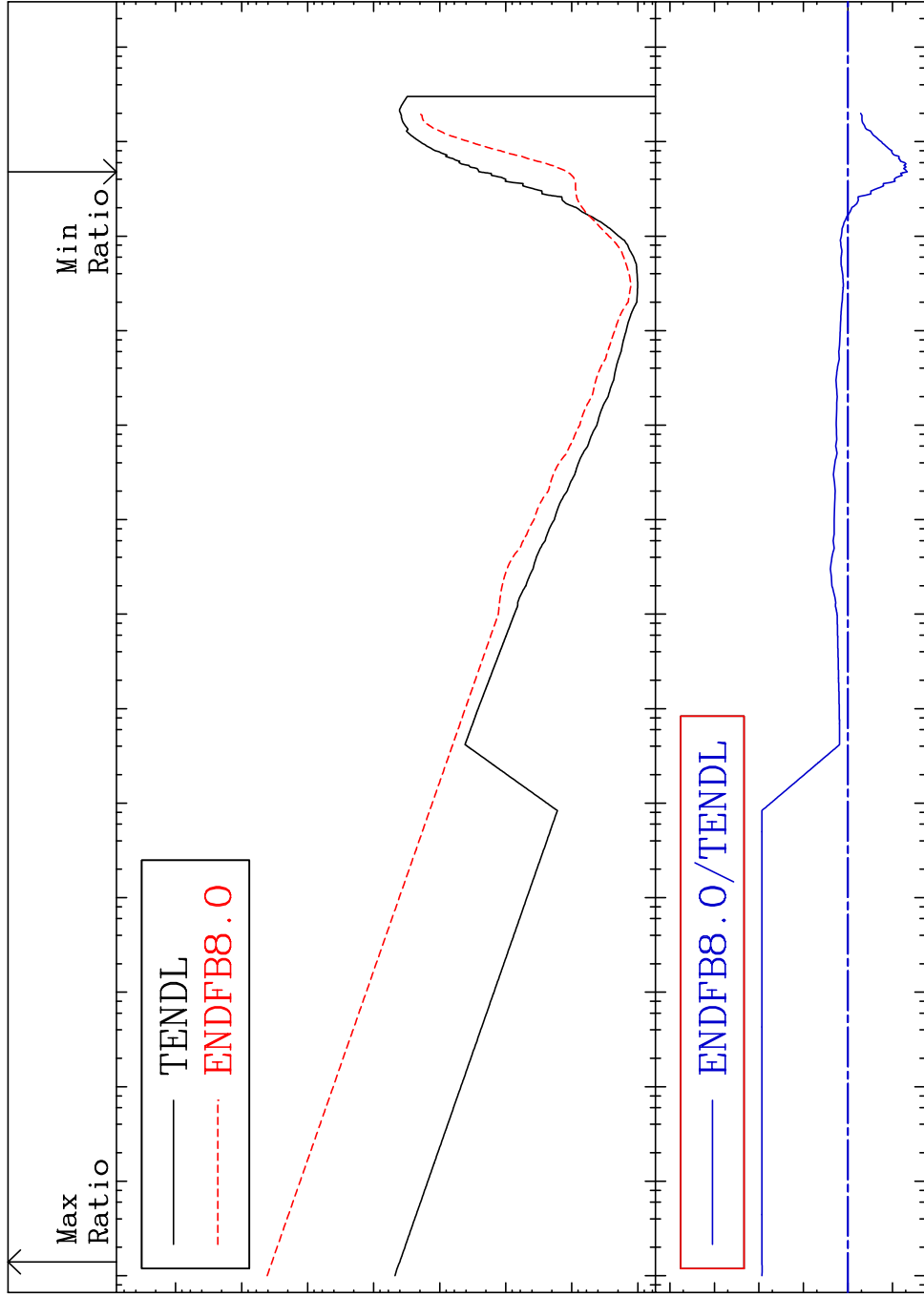
MAT 5128

(n, p)

51-Sb-122

Cross Section

-95.34 To 8505. %



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

Ratio
 10^2
 10^0

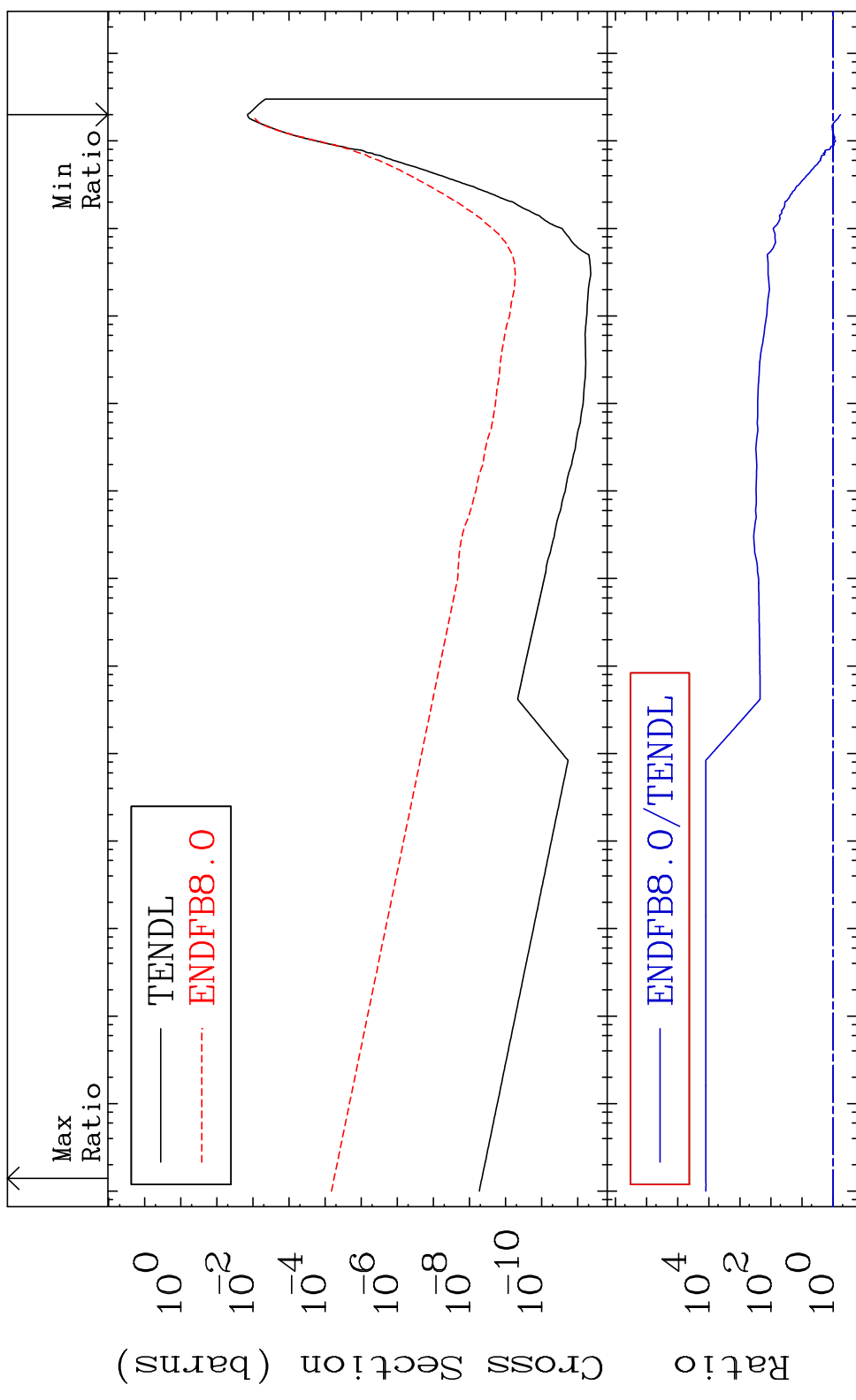
Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

MAT 5128

(n, α)

51-Sb-122

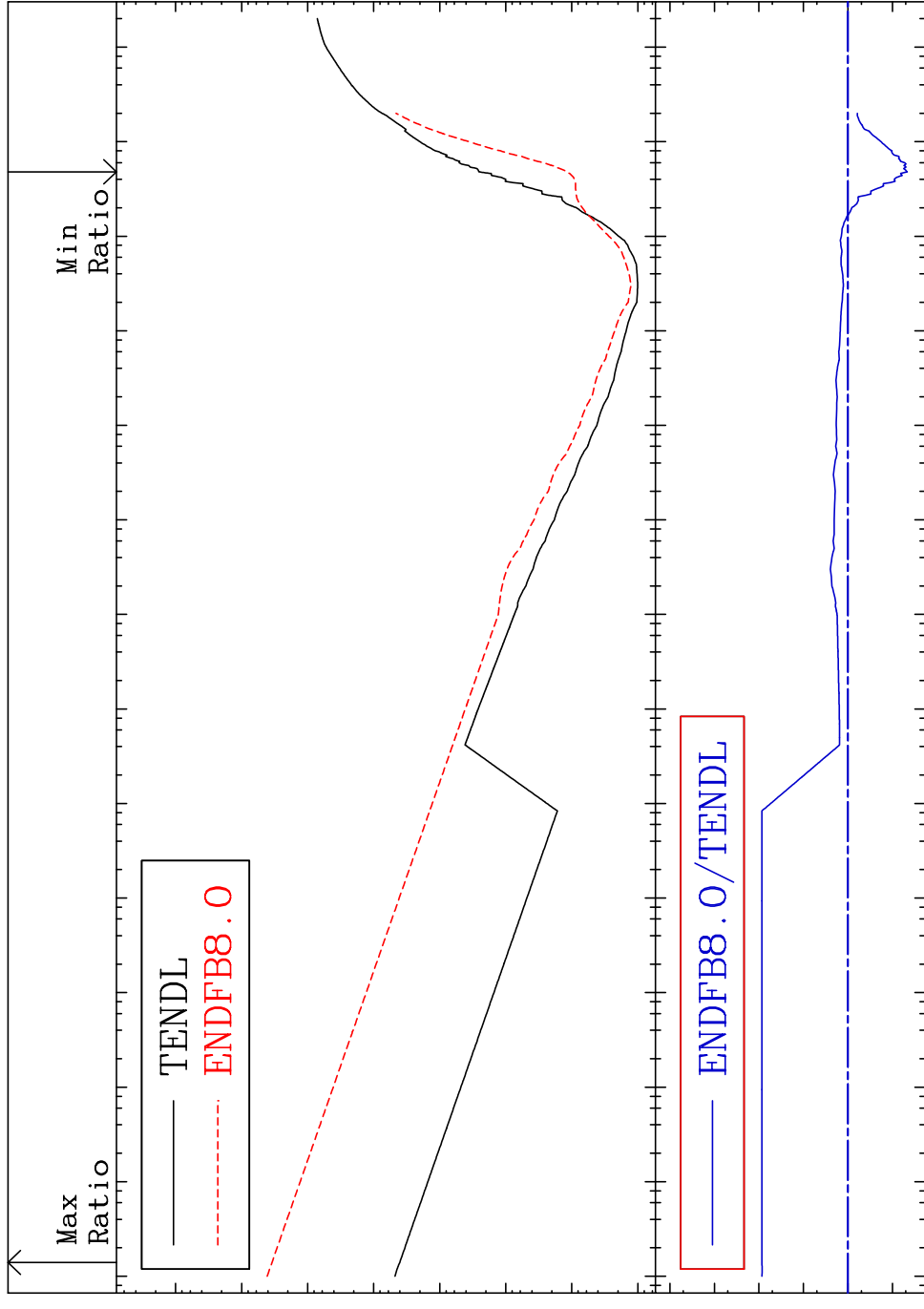
Cross Section -41.67 To 9999. %



MAT 5128

Hydrogen Production
Cross Section -95.34 To 8505. %

51-Sb-122



Cross Section (barns)

Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

39

Incident Energy (eV)

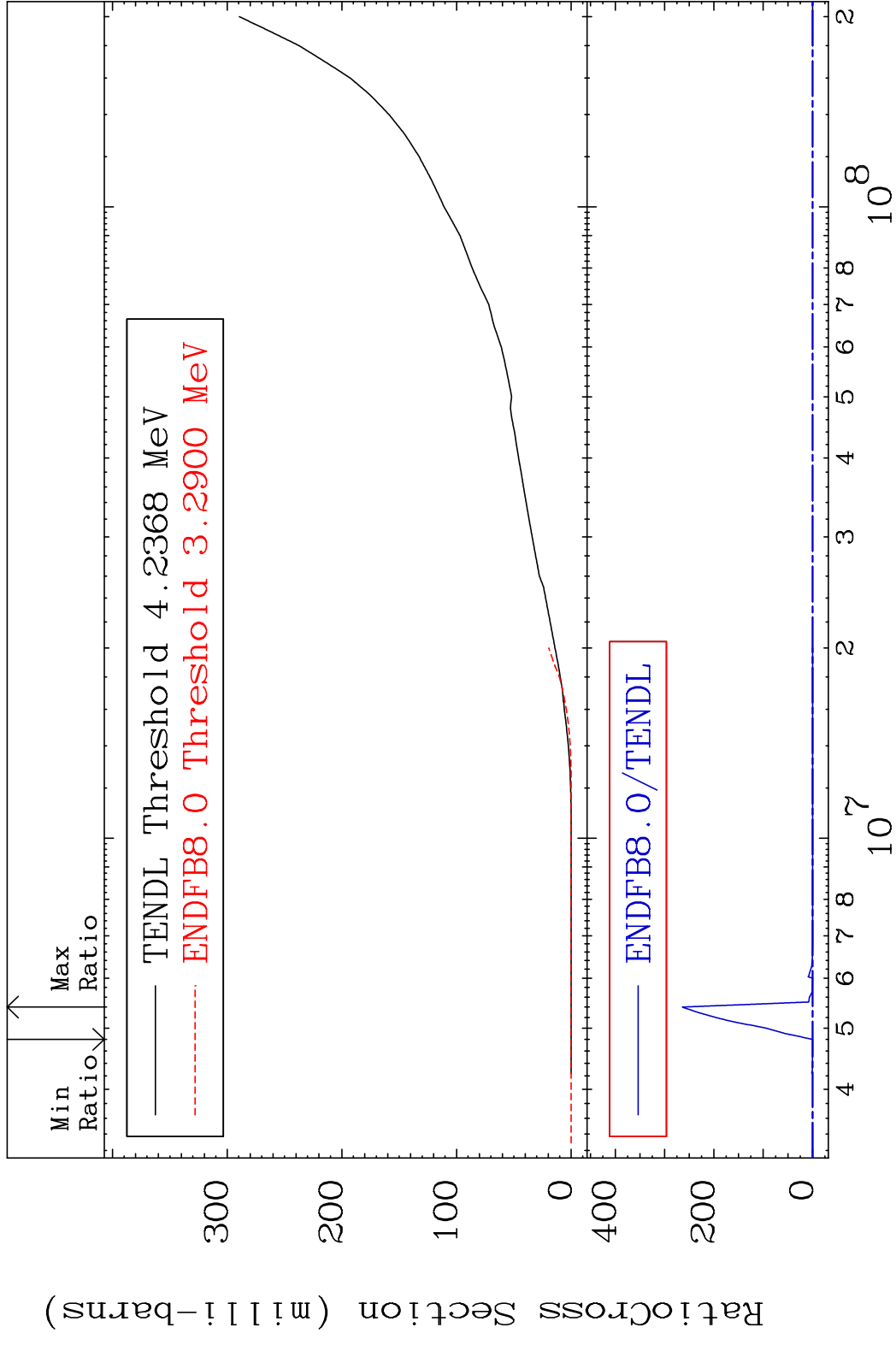
51-Sb-122

MAT 5128

Deuterium Production

51-Sb-122

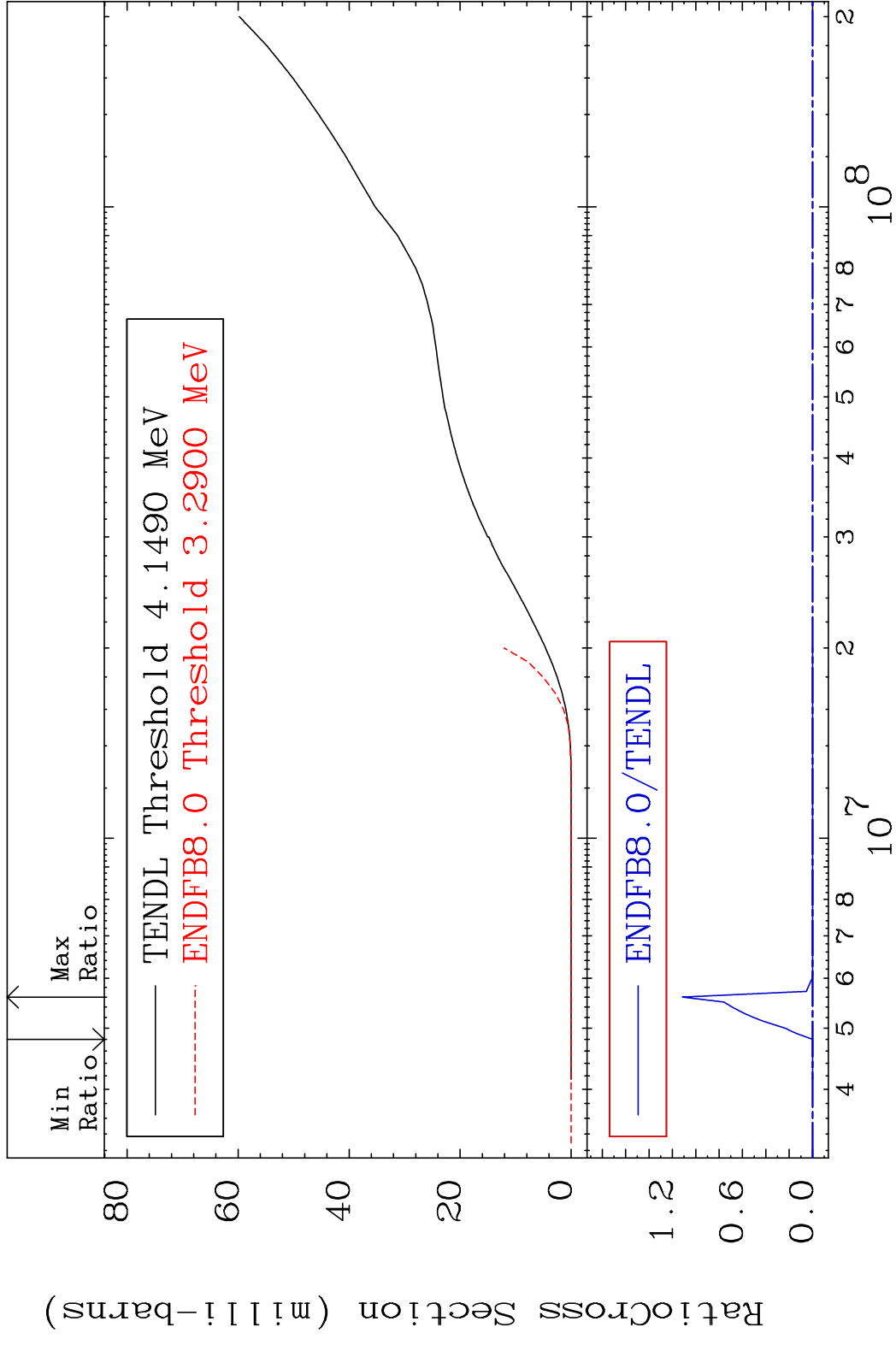
Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

51-Sb-122

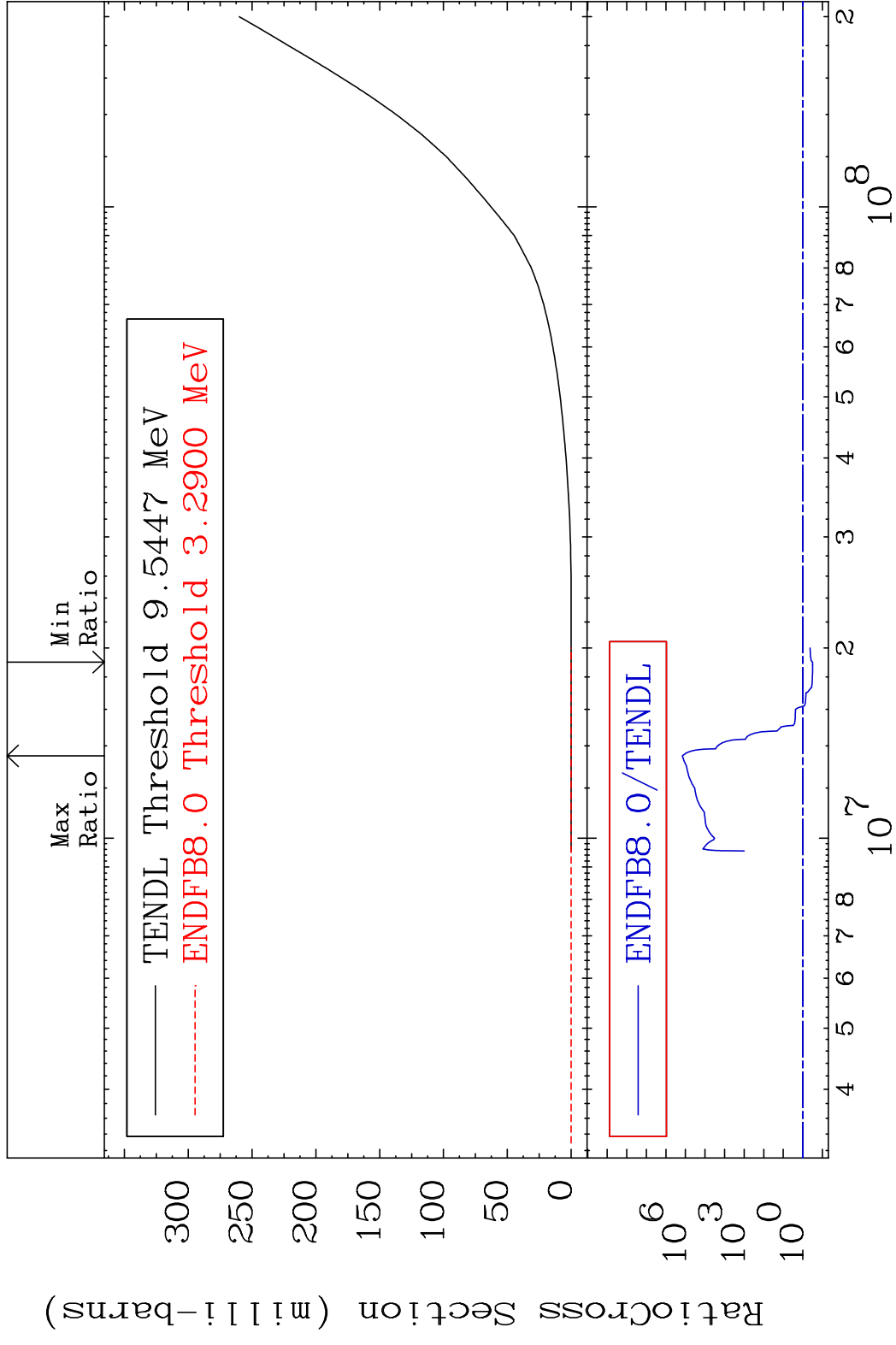


MAT 5128

He-3 Production

51-Sb-122

Cross Section -68.22 To 9999. %

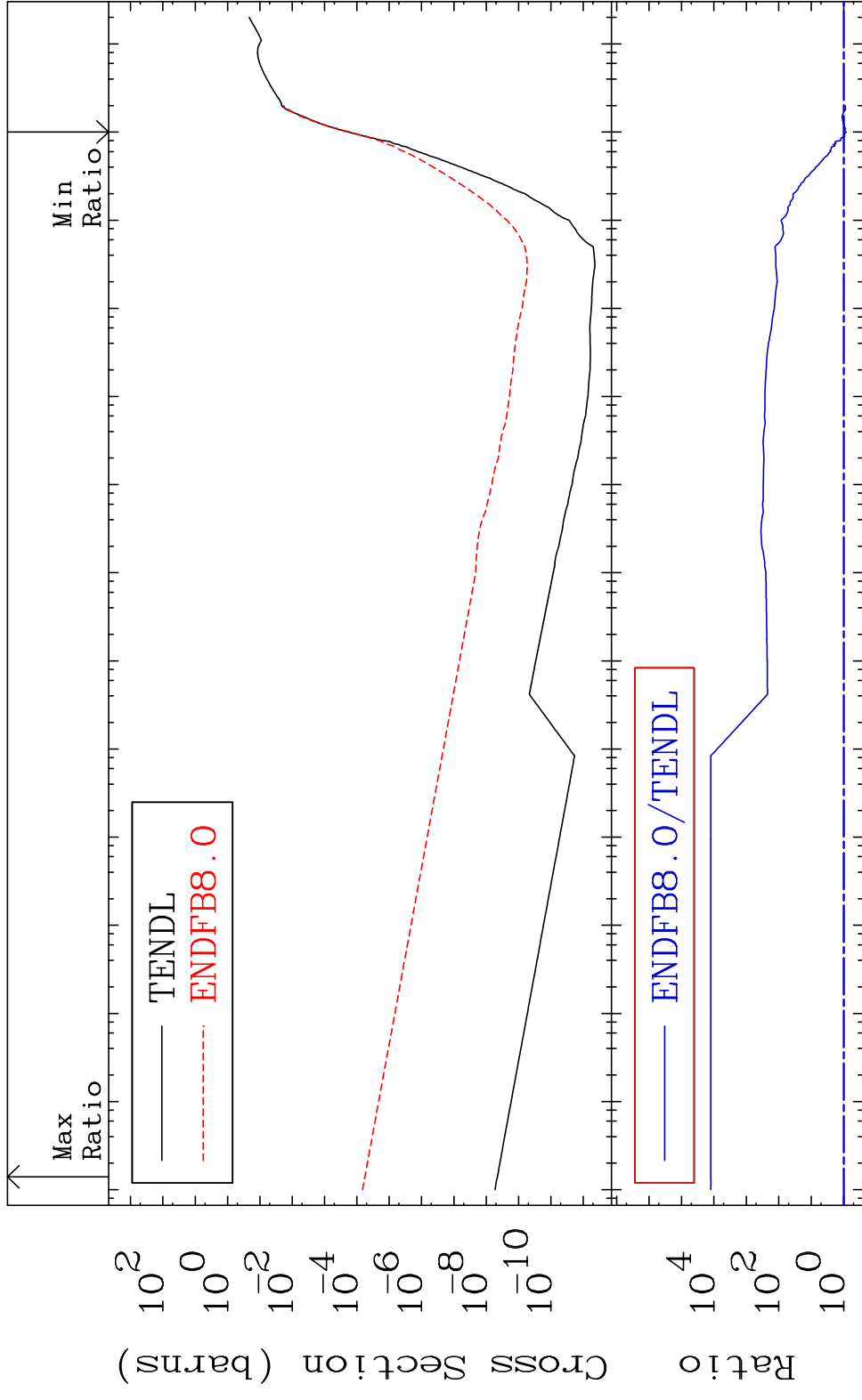


MAT 5128

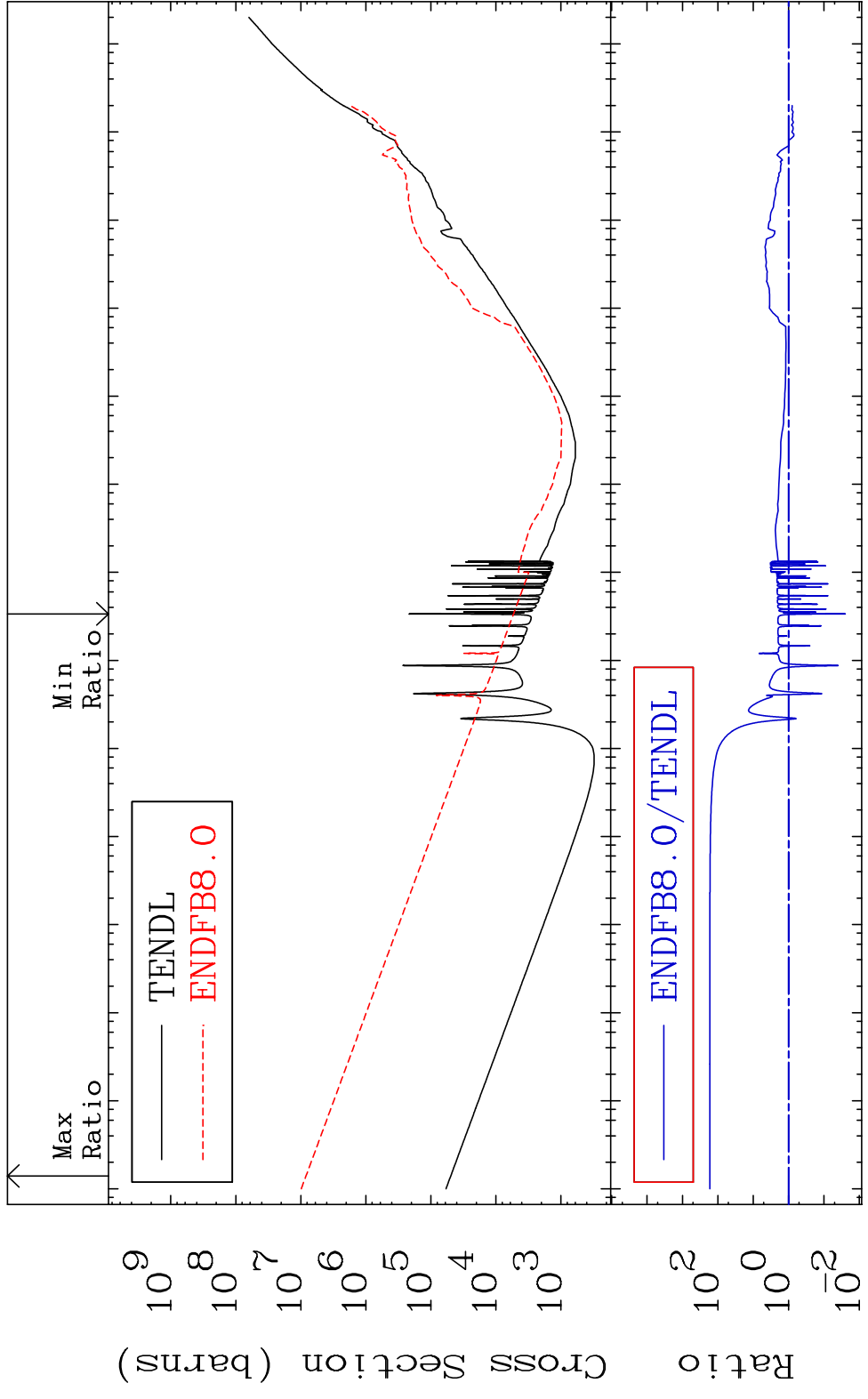
He-4 Production

51-Sb-122

Cross Section -17.17 To 9999. %

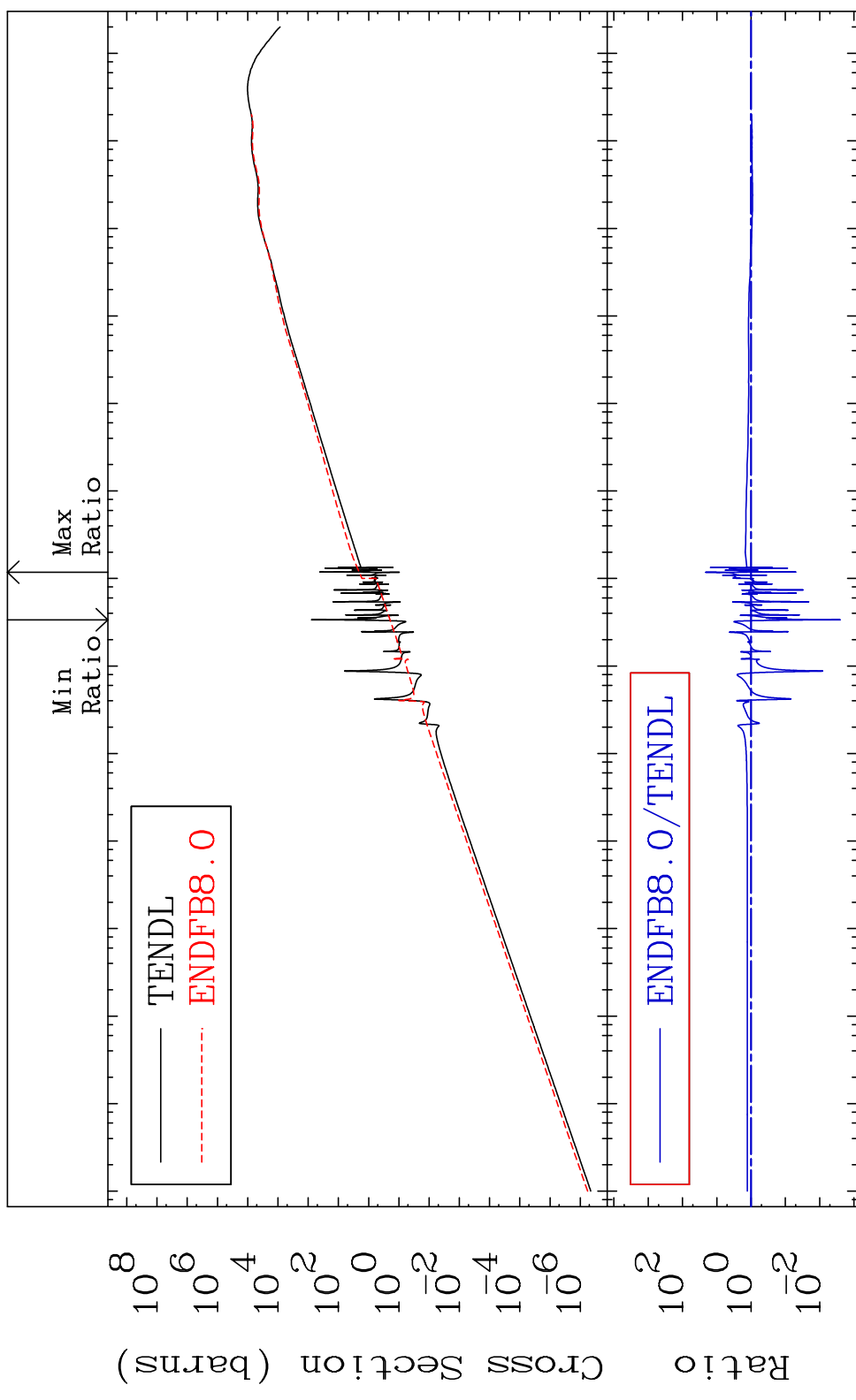


MAT 5128 Kerma total (eV-barns) 51-Sb-122
 Cross Section -97.52 To 9999. %

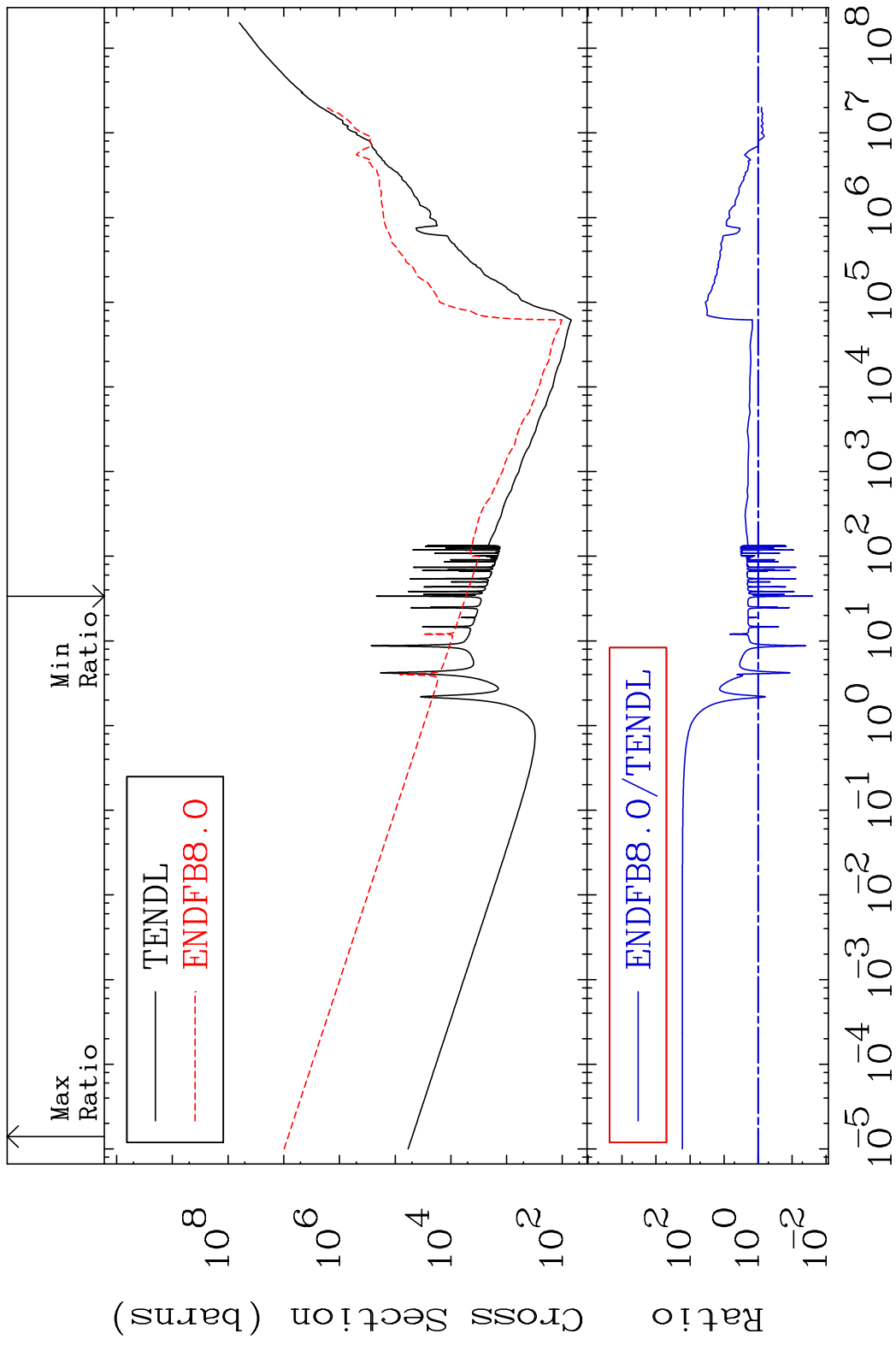


MAT 5128

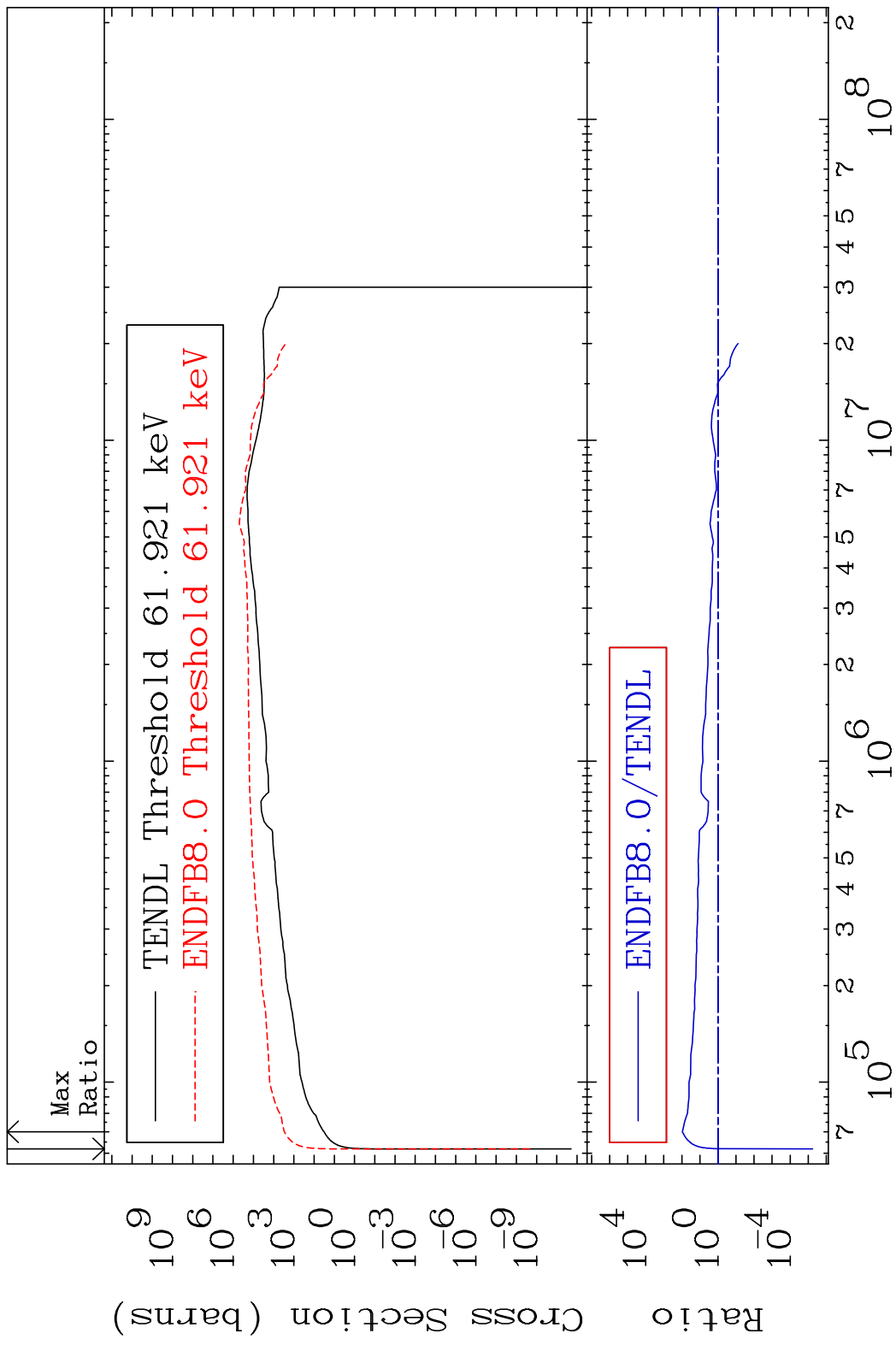
Kerma elastic Cross Section -99.75 To 1994. %
51-Sb-122



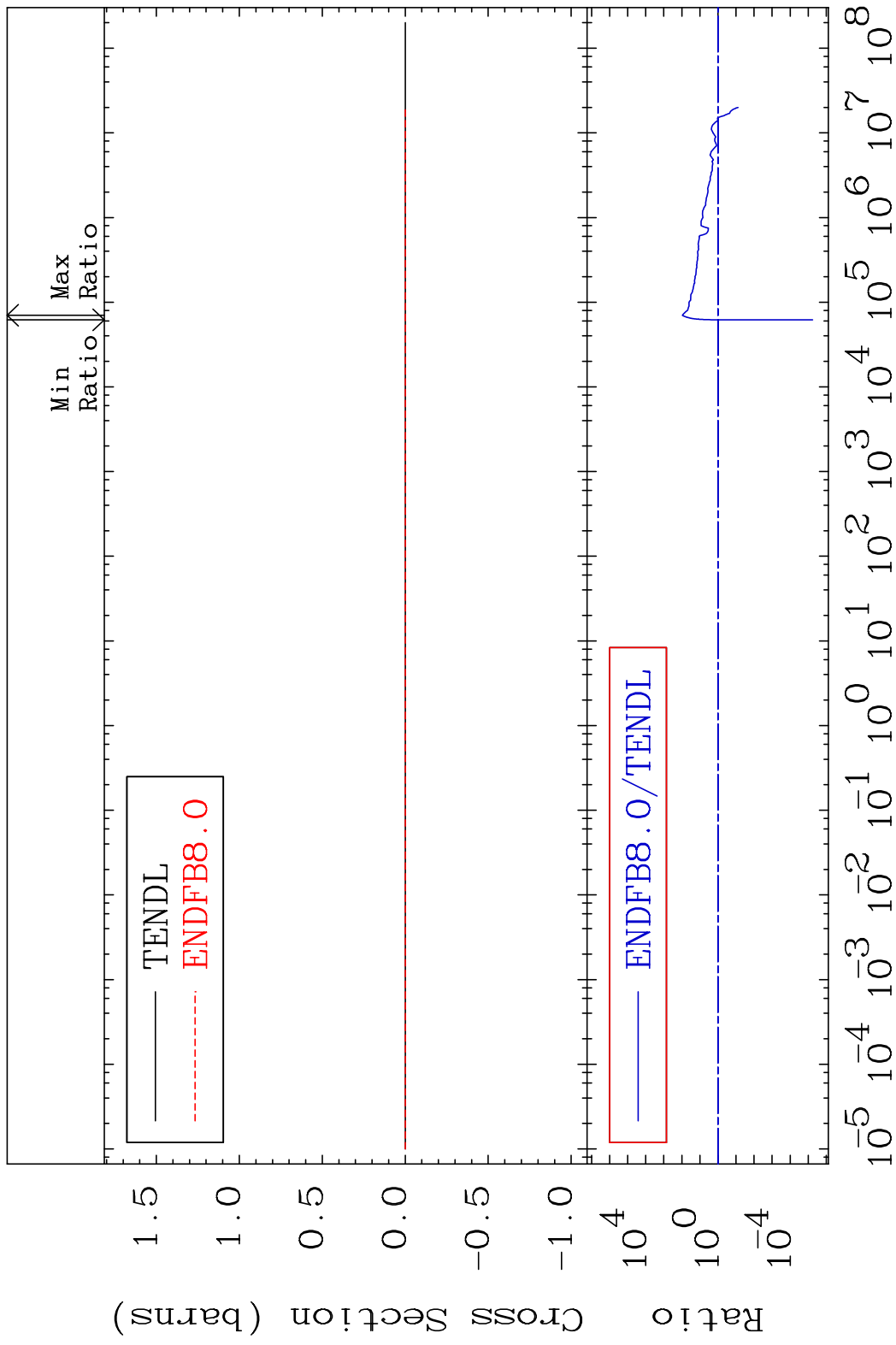
MAT 5128 Kerma non-elastic (all but mt2) 51-Sb-122
 Cross Section -97.51 To 9999. %



MAT 5128 Kerma inelastic (mt51-91) 51-Sb-122
 Cross Section -100.0 To 9249. %



MAT 5128 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-122
 Cross Section -100.0 To 9249. %

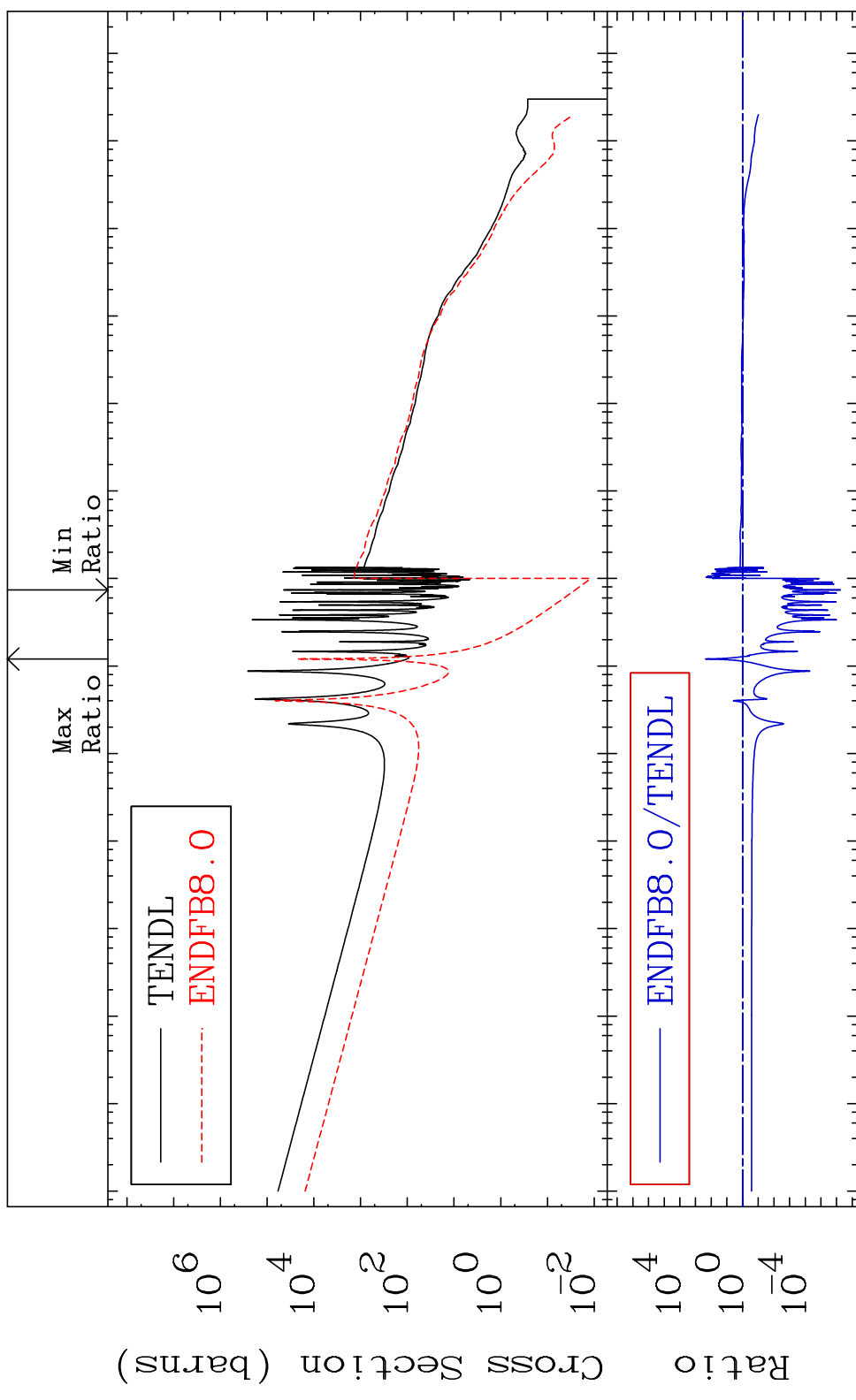


MAT 5128

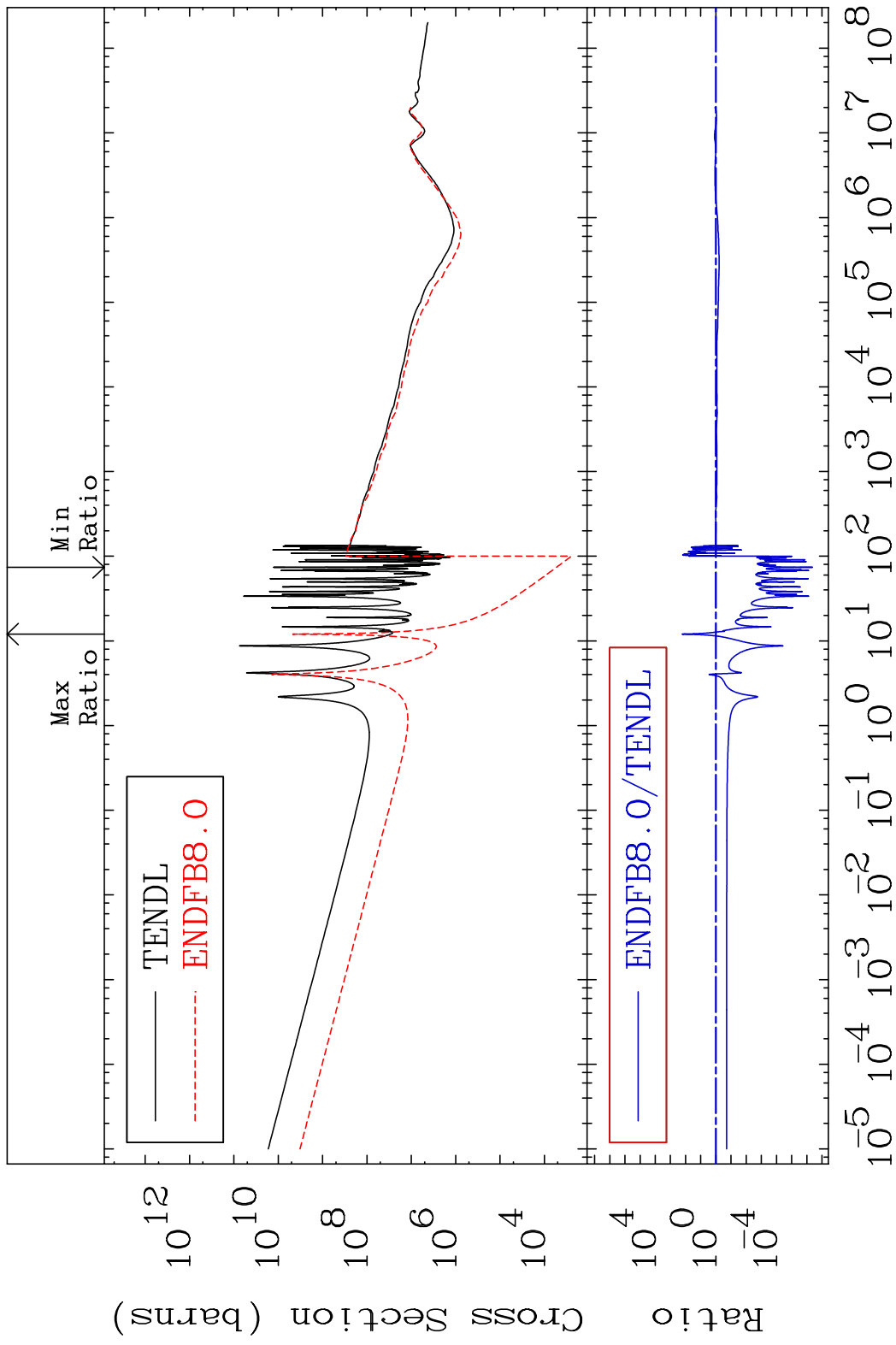
Kerma capture (mt102)

51-Sb-122

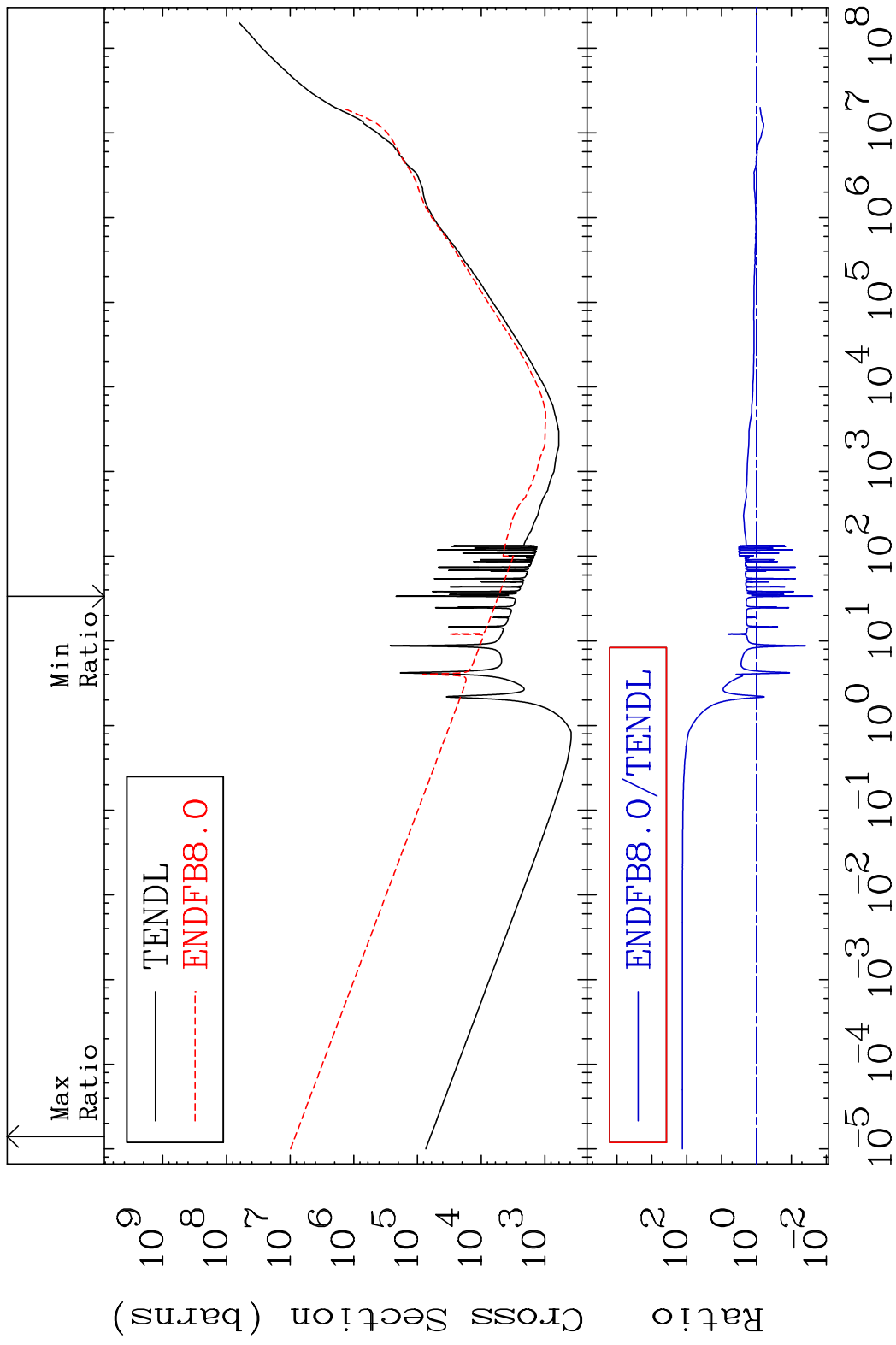
Cross Section -100.0 To 9999. %



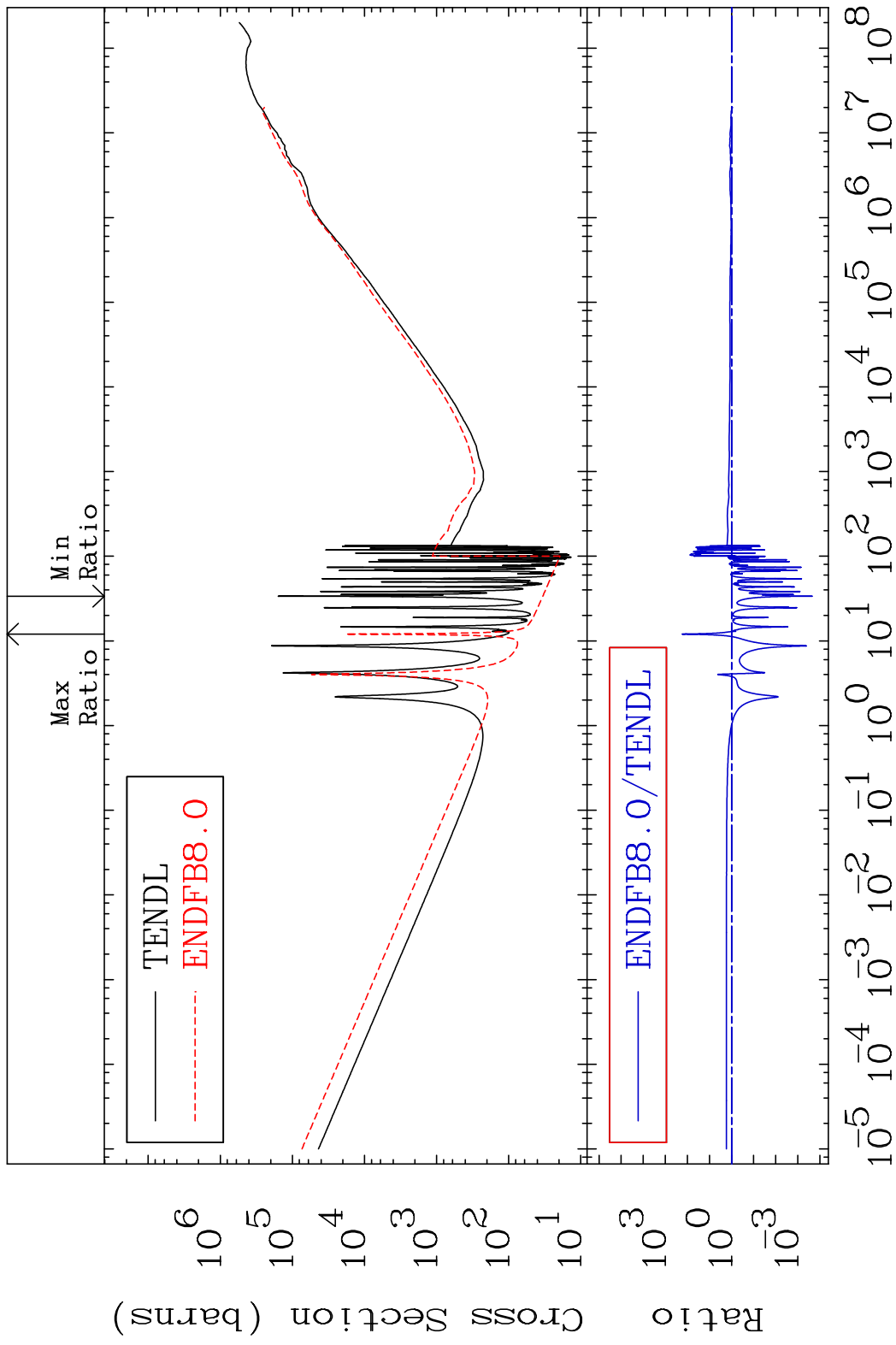
MAT 5128 Total photon (eV-barns) 51-Sb-122
 Cross Section -100.0 To 9999. %



MAT 5128 Total kinematic kerma (high limit) 51-Sb-122
 Cross Section -97.52 To 9999. %



MAT 5128 Dpa total (eV-barns) 51-Sb-122
 Cross Section -99.98 To 9999. %



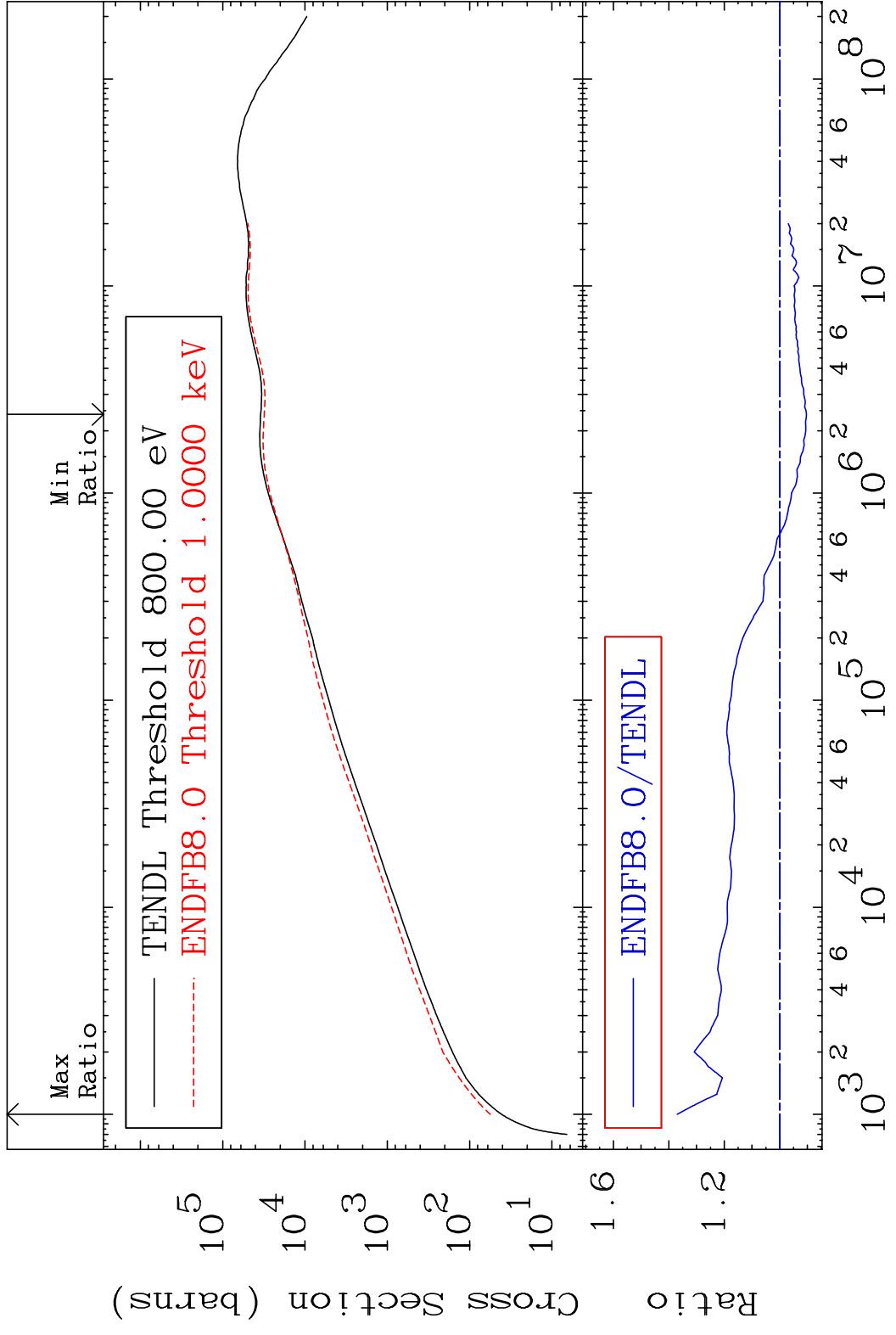
MAT 5128

Dpa elastic (mt2)

51-Sb-122

Cross Section

-9.638 To 36.98 %

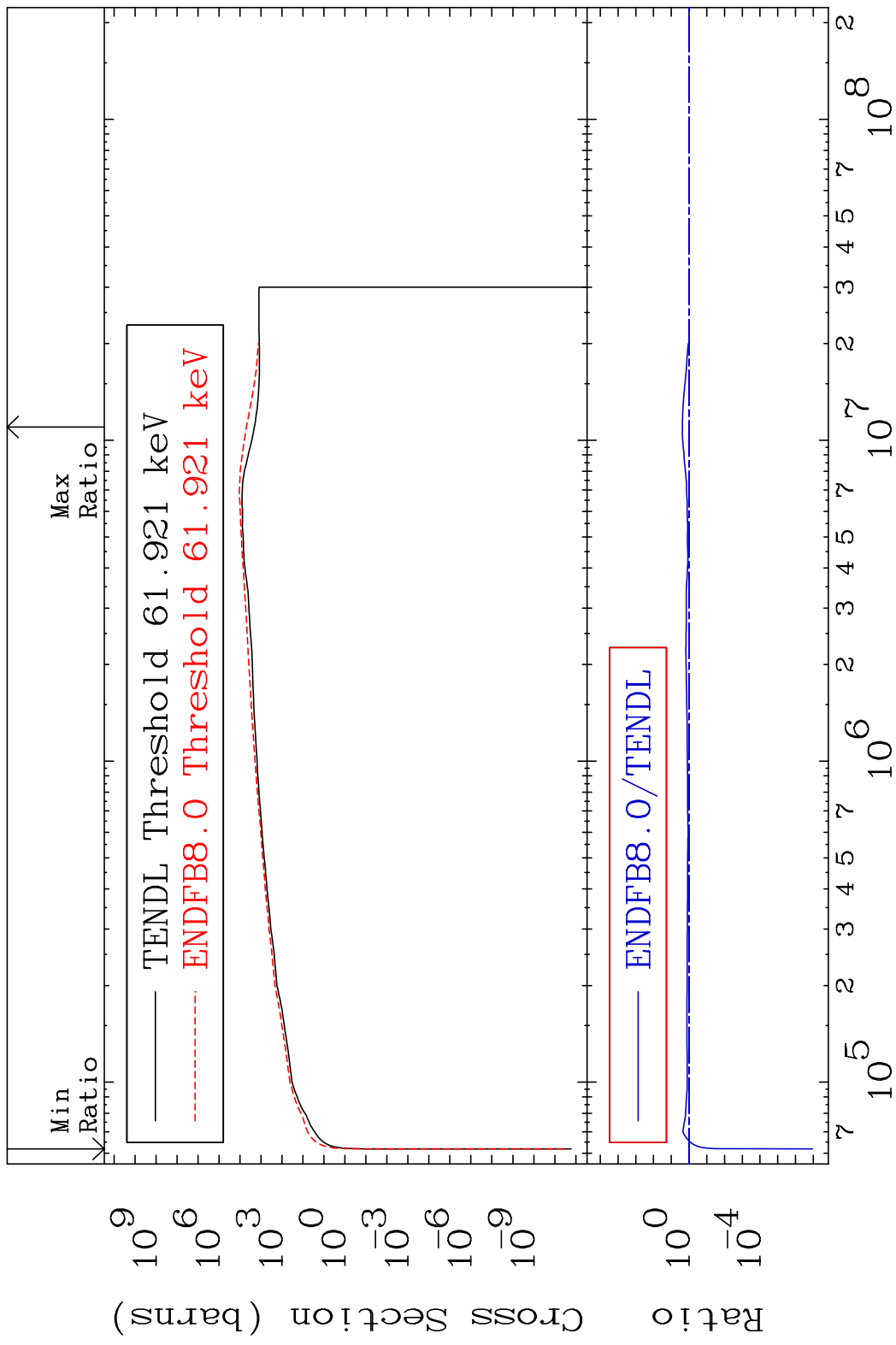


53

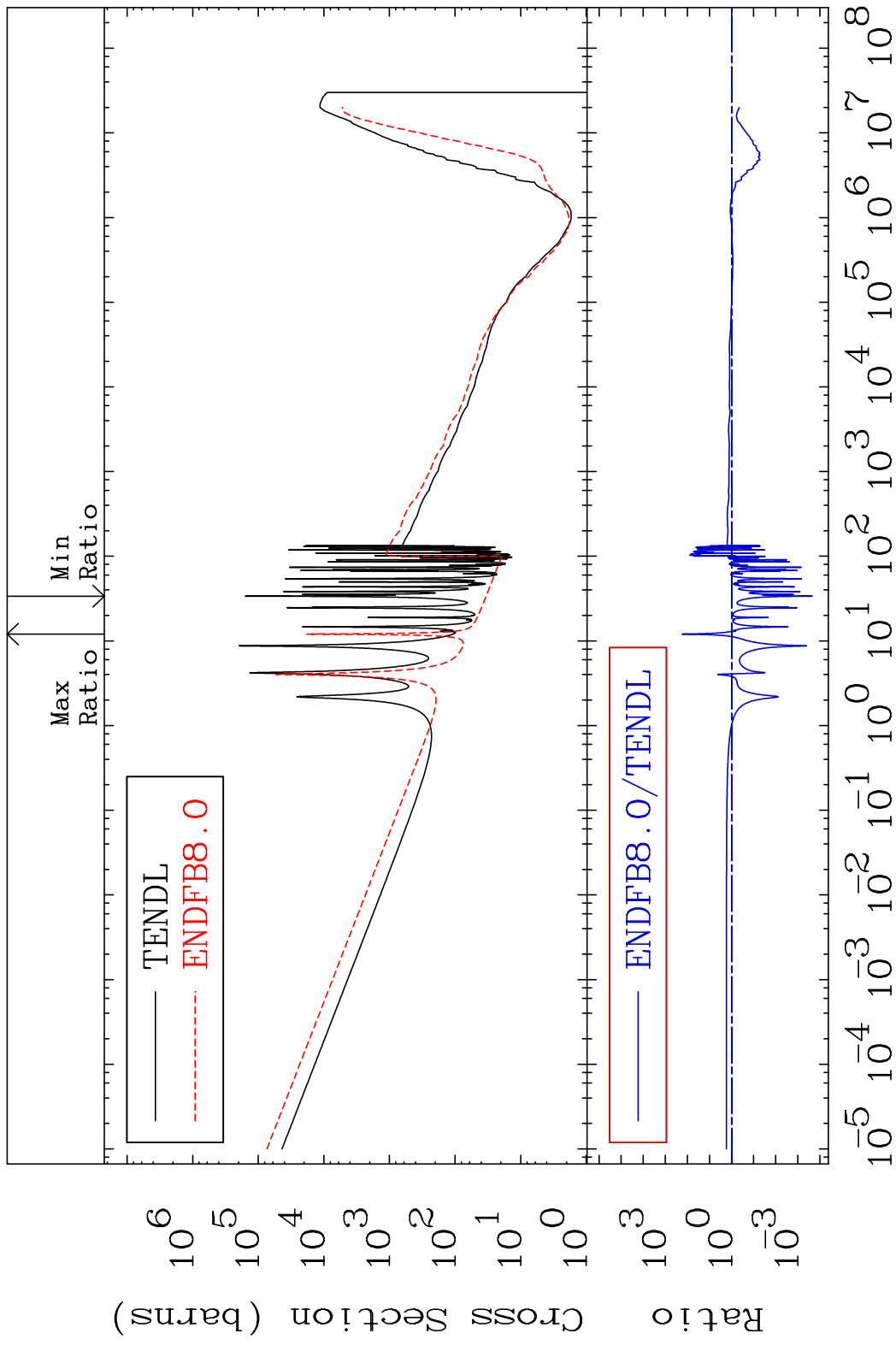
Incident Energy (eV)

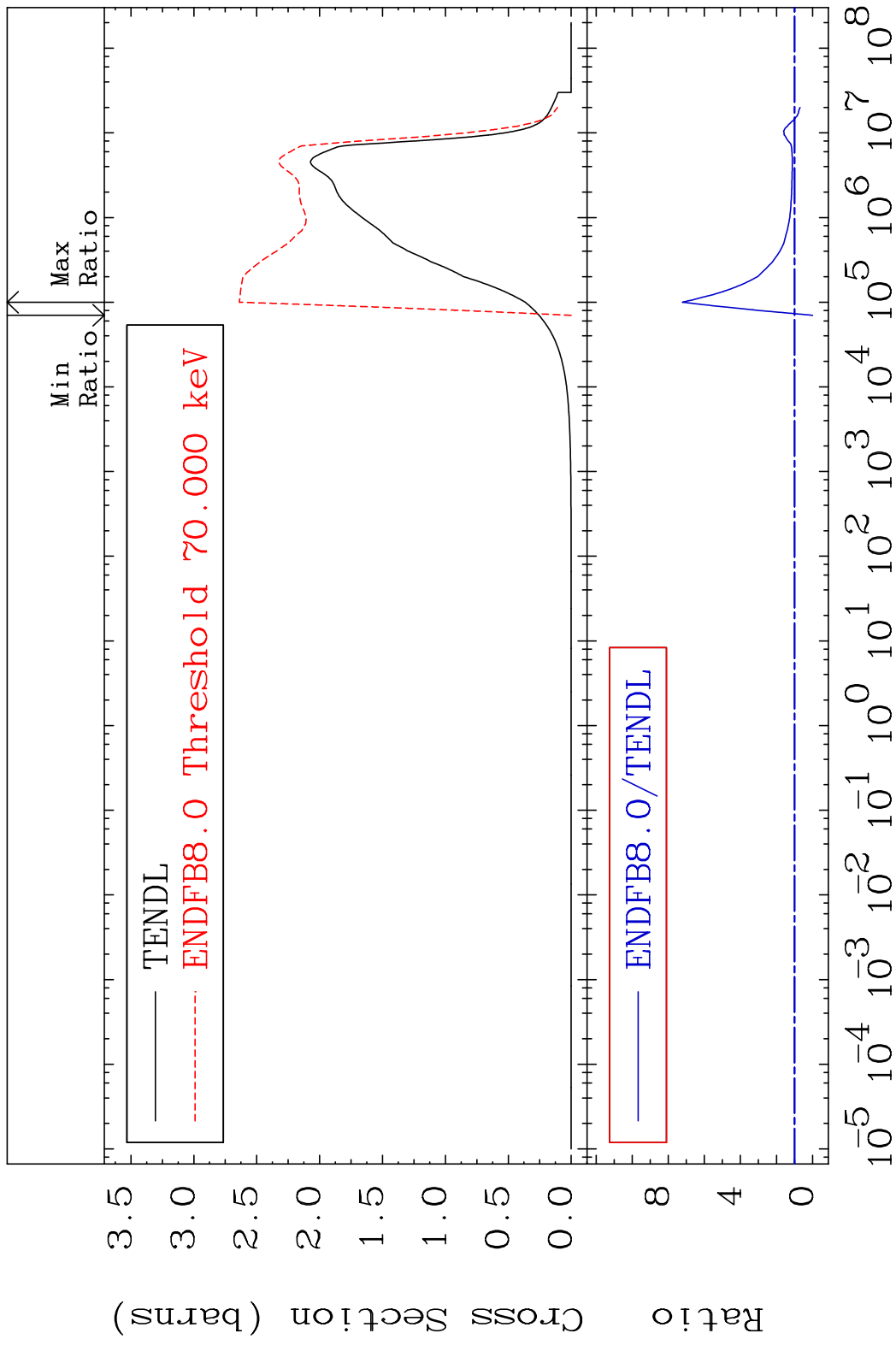
51-Sb-122

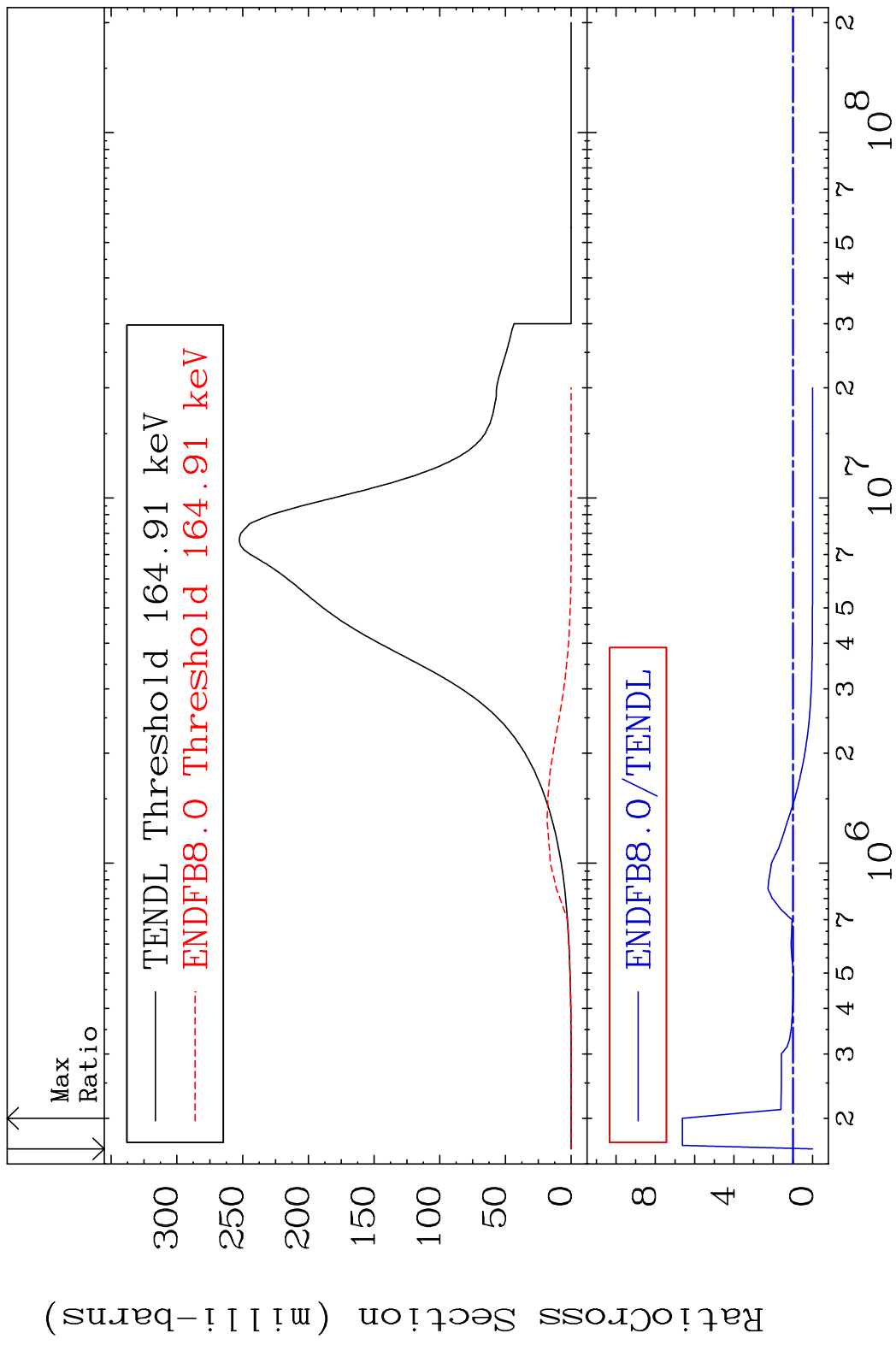
MAT 5128 Dpa inelastic (mt51-91) 51-Sb-122
 Cross Section -100.0 To 137.1 %



MAT 5128 Dpa disappearance (mt102 -120) 51-Sb-122
 Cross Section -99.98 To 9999. %





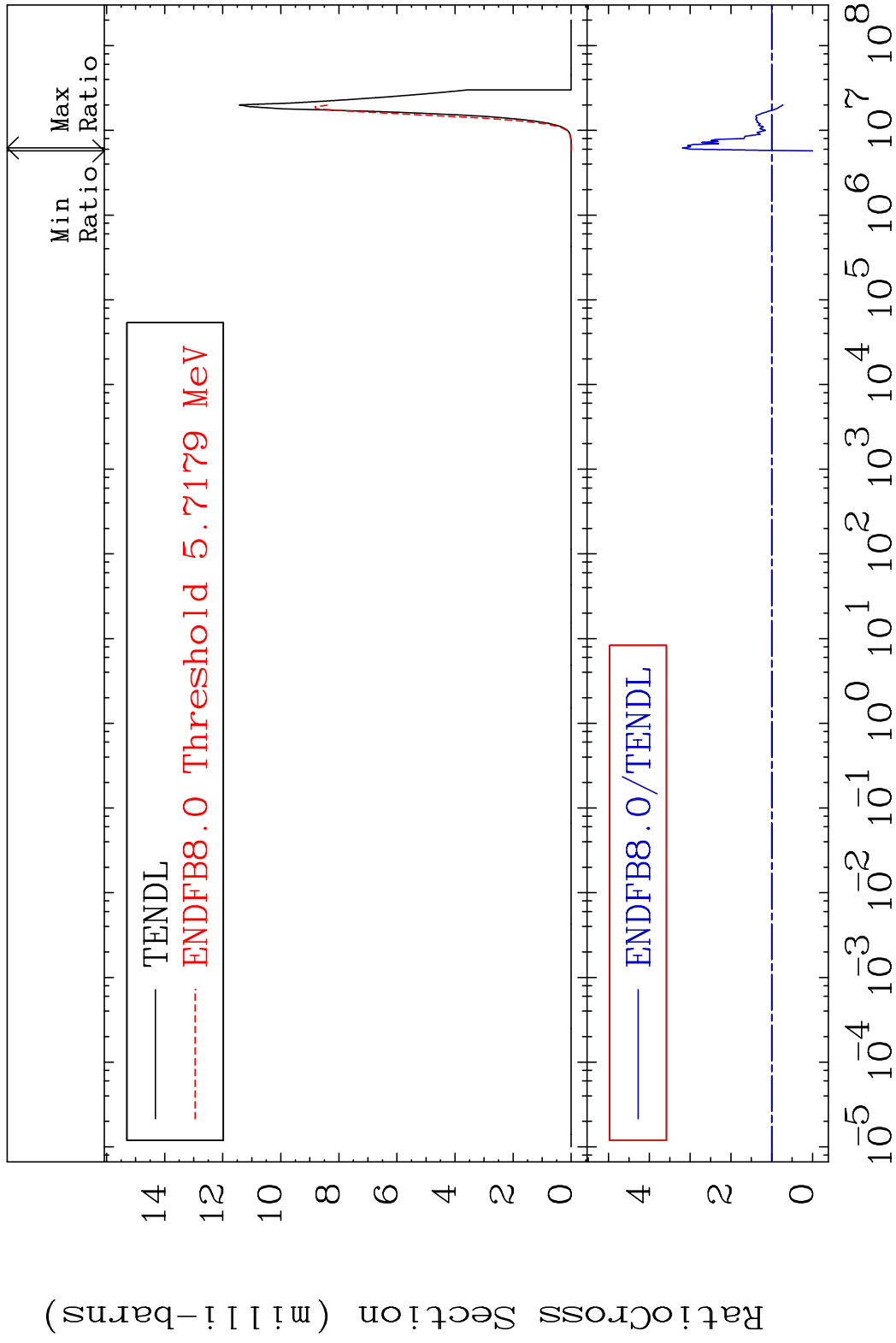


MAT 5128

(n, α): 49-In-119g

51-Sb-122

Radionuclide Production Cross Section Ratio 219.1 %



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Incident Energy (eV)

51-Sb-122

MAT 5128 (n, α): 49-In-119m1 51-Sb-122
 Radionuclide Production Cross Section Ratio 16.84 %

