

Program Complot
(Version 2021-1)

by

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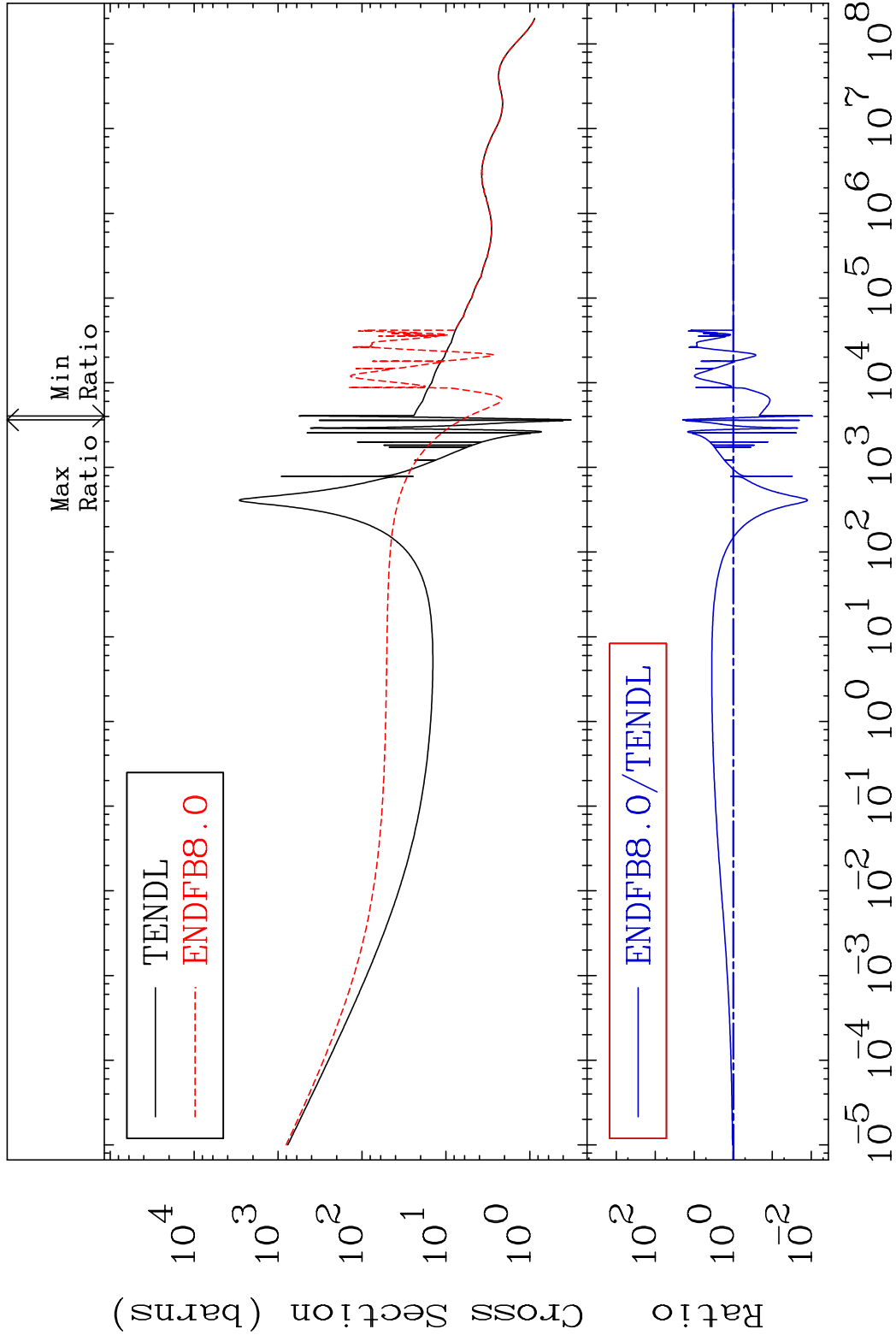
Press Mouse Button to Start

MAT 2040

Total

20-Ca-45

Cross Section -99.07 To 1914. %

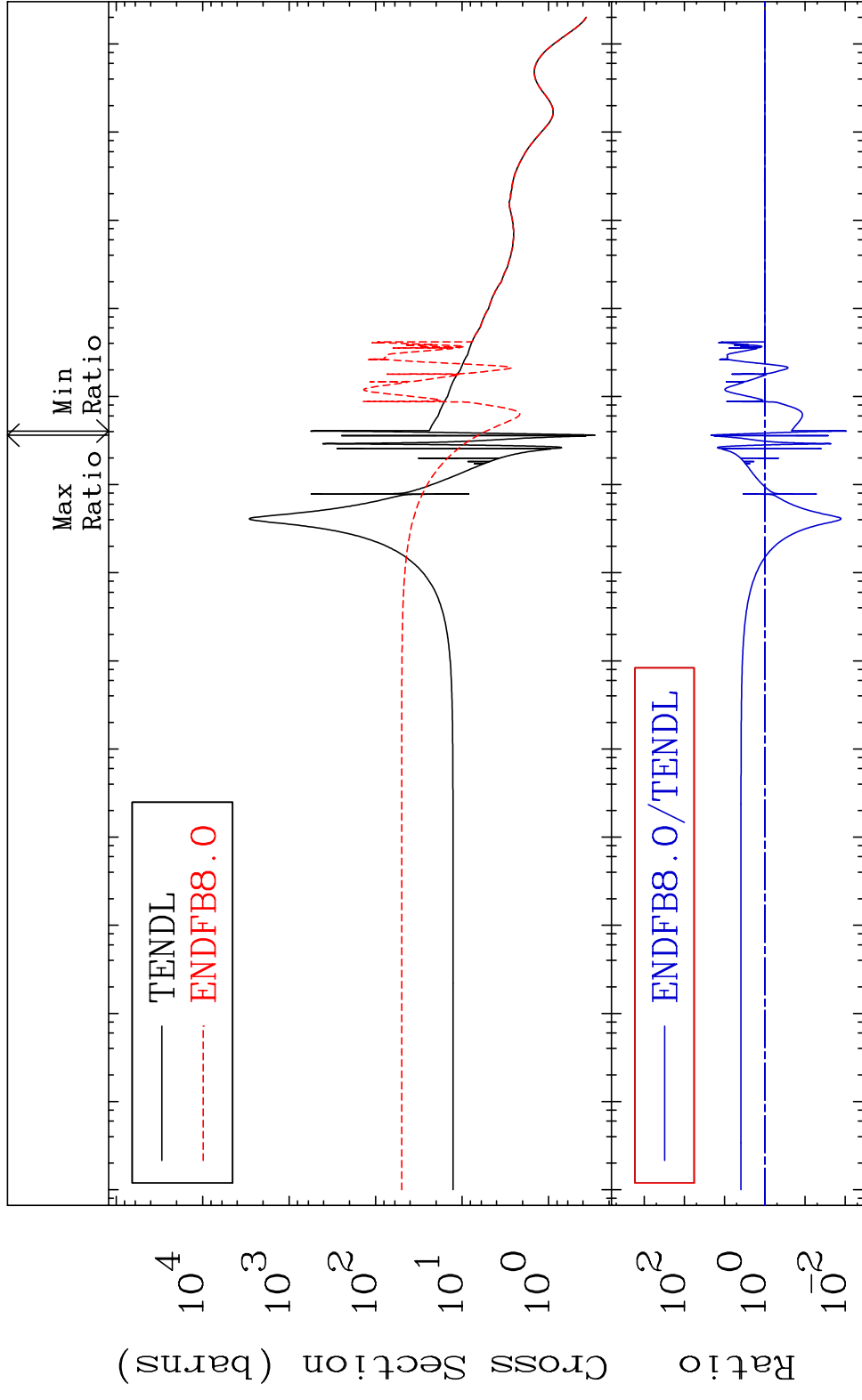


1

Incident Energy (eV)

20-Ca-45

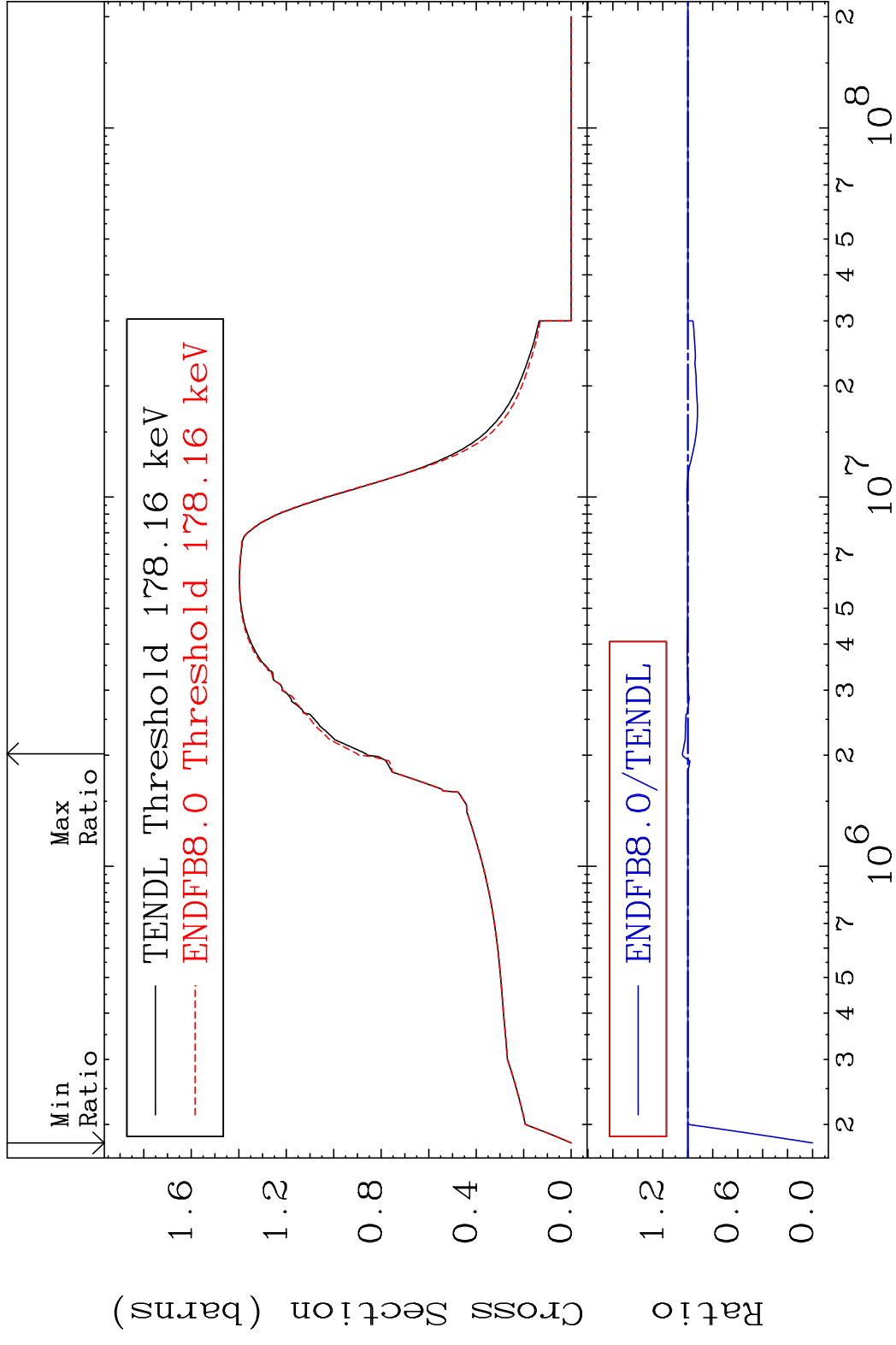
MAT 2040 Elastic 20-Ca-45
 Cross Section -99.07 To 2122. %



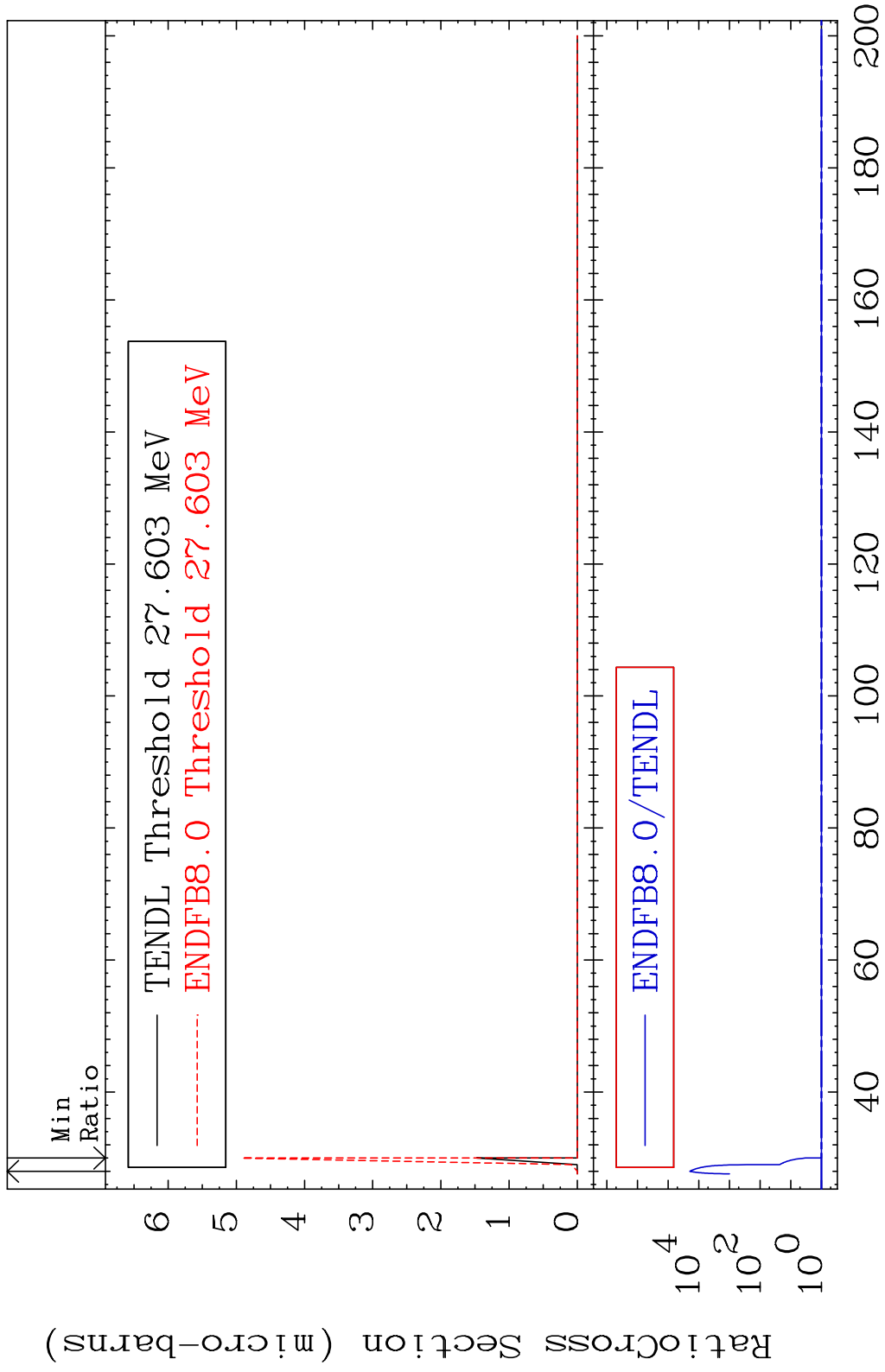
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2 Incident Energy (eV) 20-Ca-45

MAT 2040 Inelastic 20-Ca-45
 Cross Section -100.0 To 4.353 %

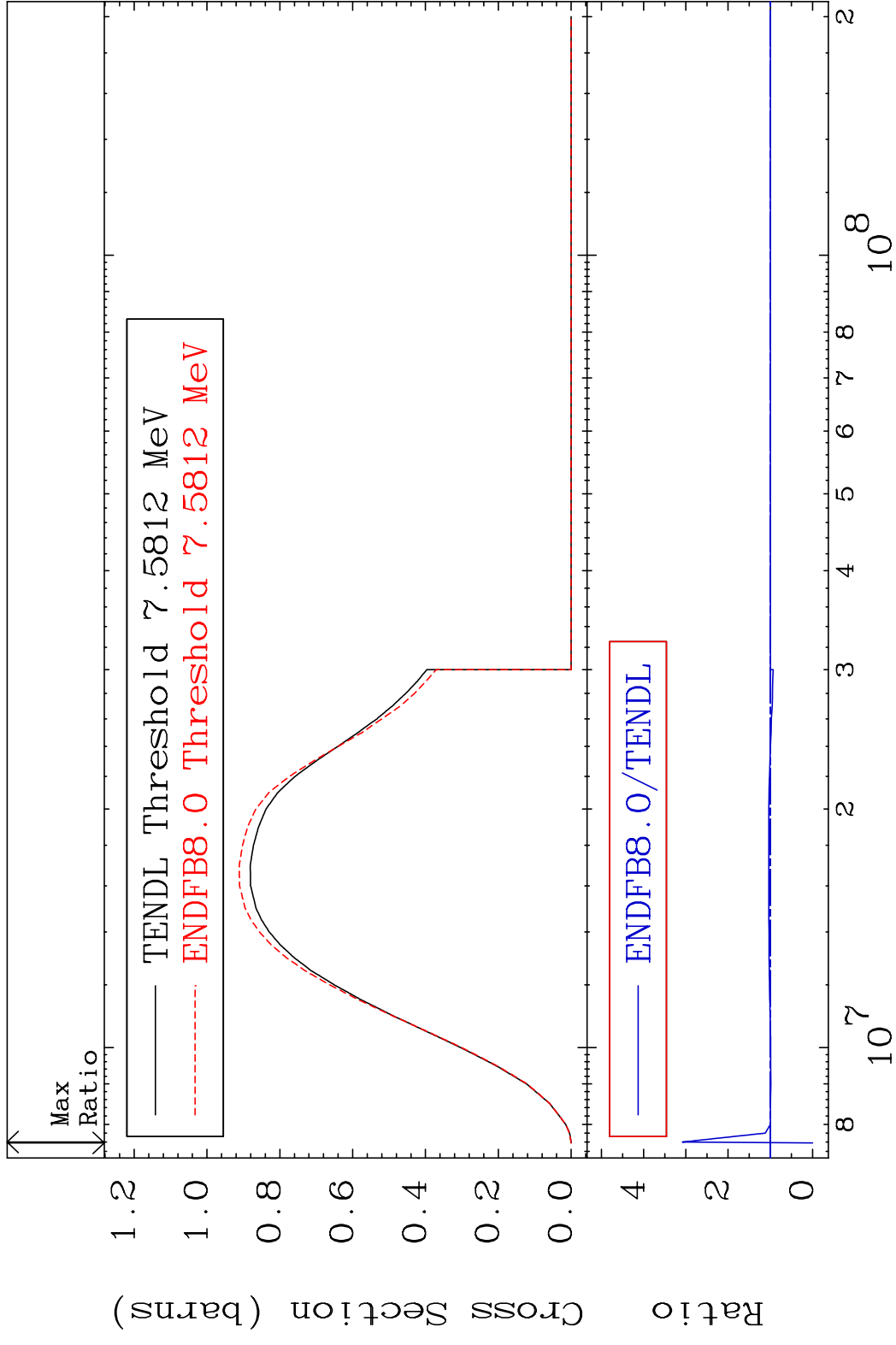


MAT 2040 (n,2n) d 20-Ca-45
Cross Section 0.000 To 9999. %



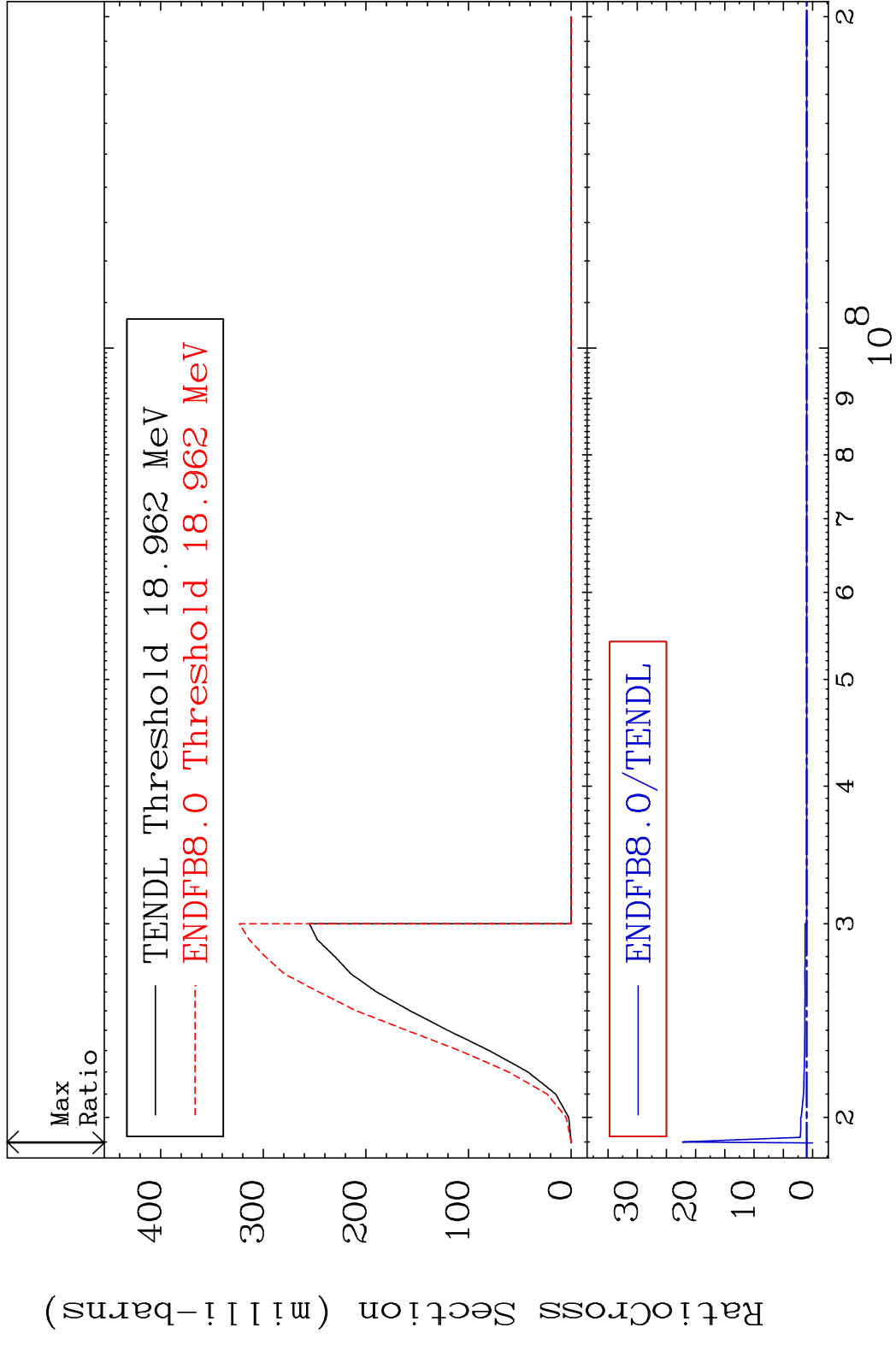
4 Incident Energy (MeV) 20-Ca-45

MAT 2040 (n,2n) 20-Ca-45
 Cross Section -100.0 To 208.3 %



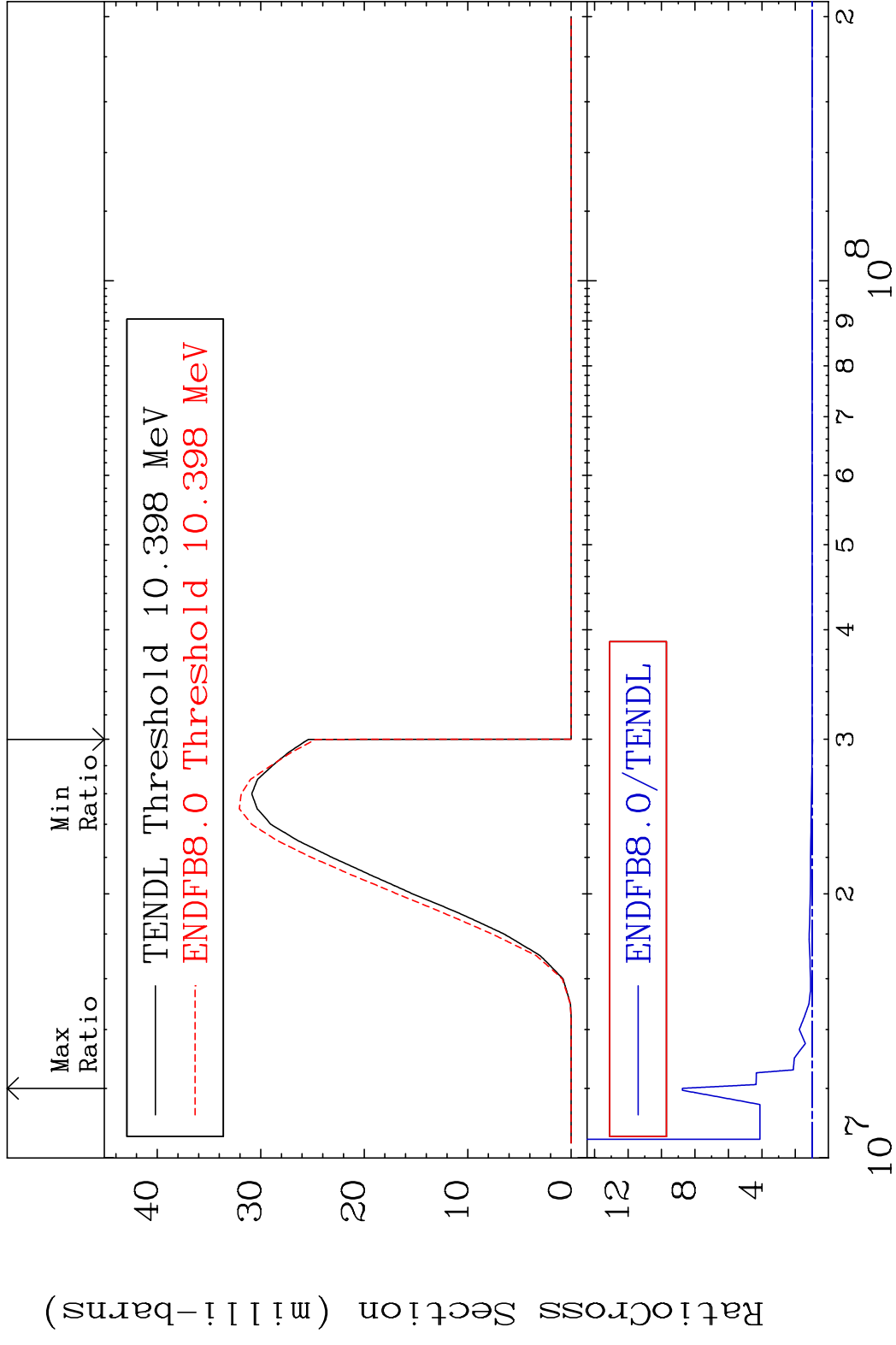
5 Incident Energy (eV) 20-Ca-45

MAT 2040 (n,3n) 20-Ca-45
 Cross Section -100.0 To 2127. %



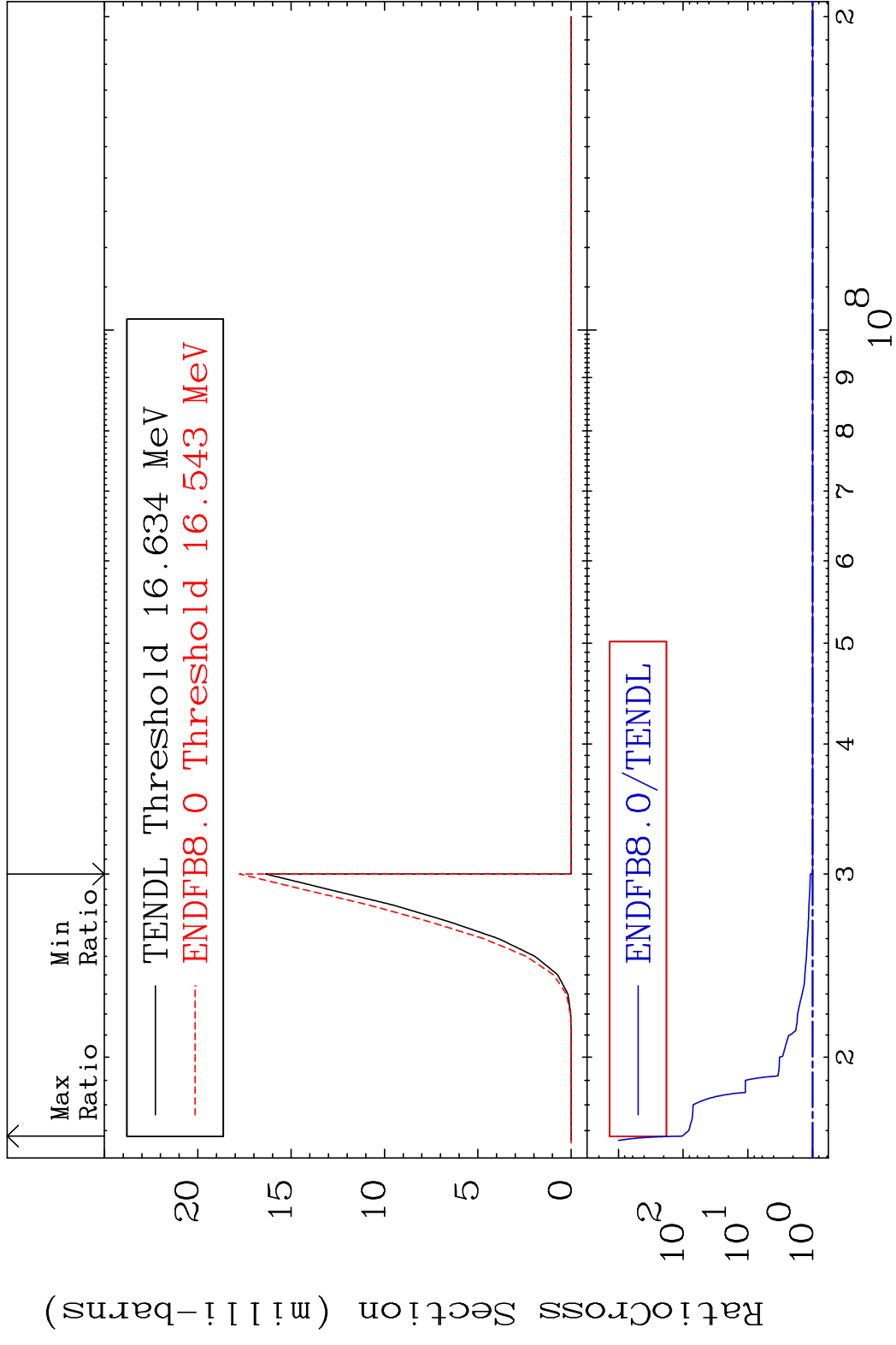
6 20-Ca-45

MAT 2040 (n, n') α 20-Ca-45
 Cross Section -2.826 To 775.3 %

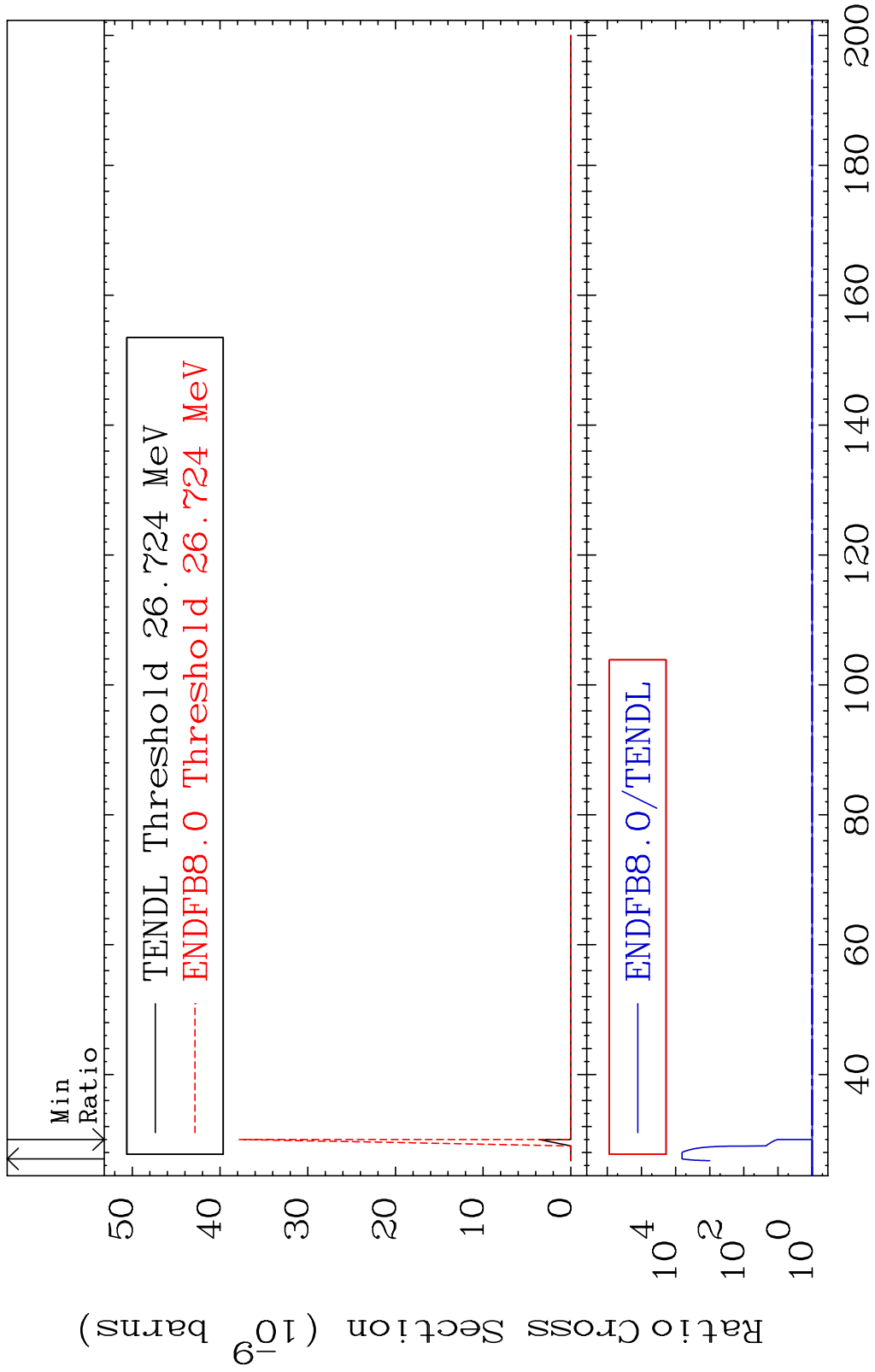


7 7 8 9 2
 Incident Energy (eV) 20-Ca-45

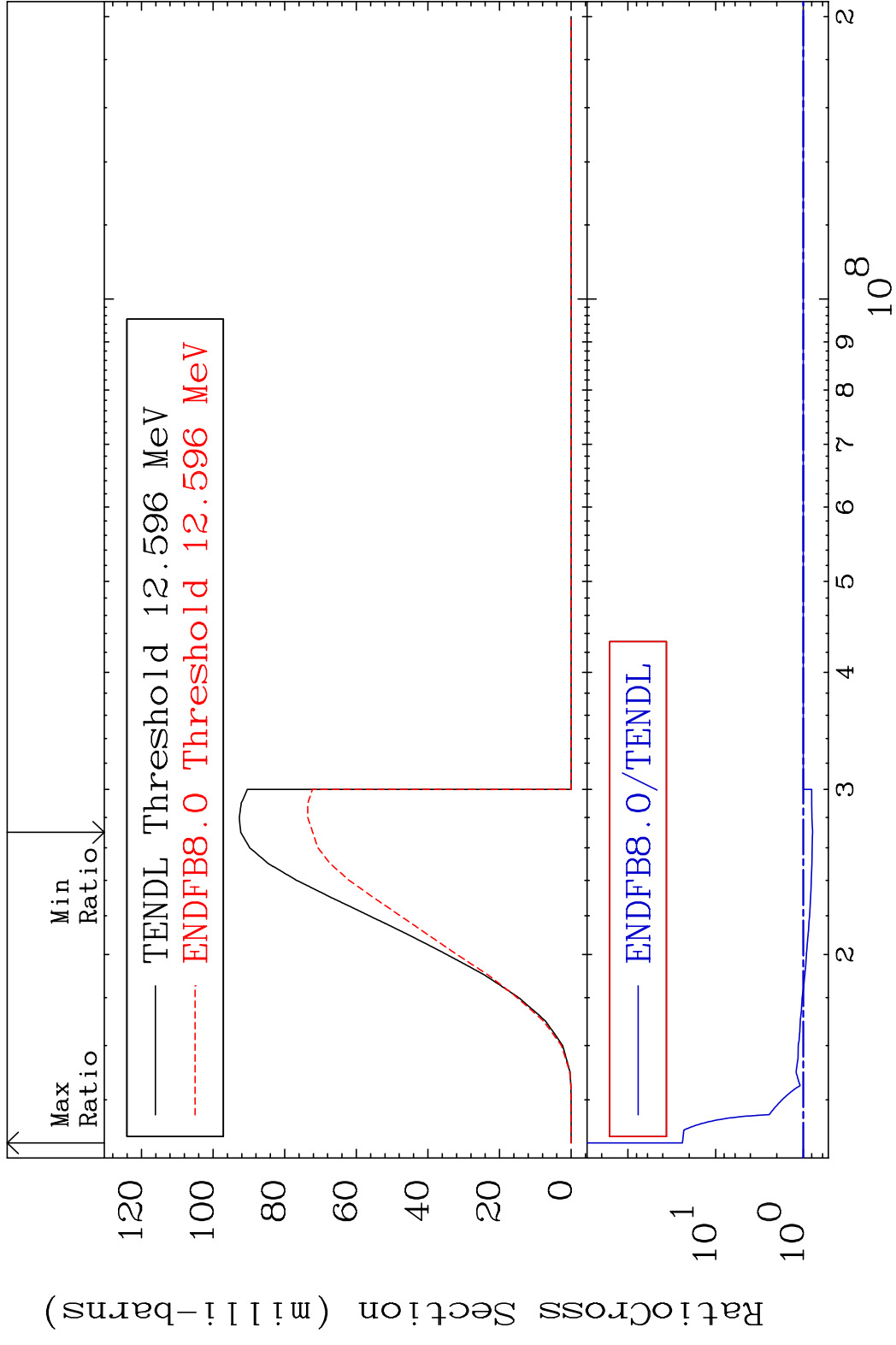
MAT 2040 (n,2n) α 20-Ca-45
 Cross Section 0.000 To 9999. %



MAT 2040 (n,3n) α 20-Ca-45
 Cross Section 0.000 To 9999. %

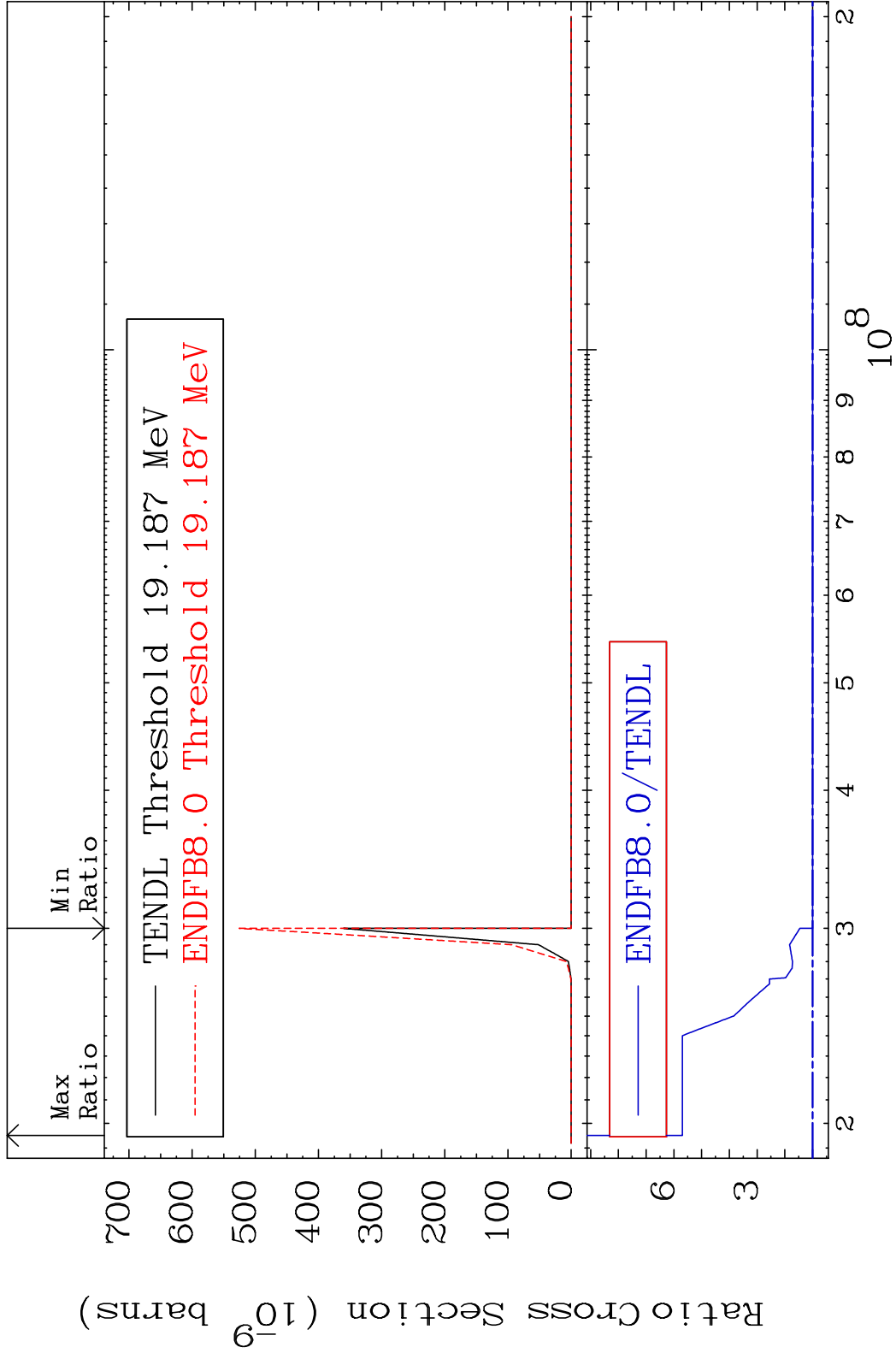


MAT 2040 (n, n') p 20-Ca-45
 Cross Section -21.79 To 2294. %



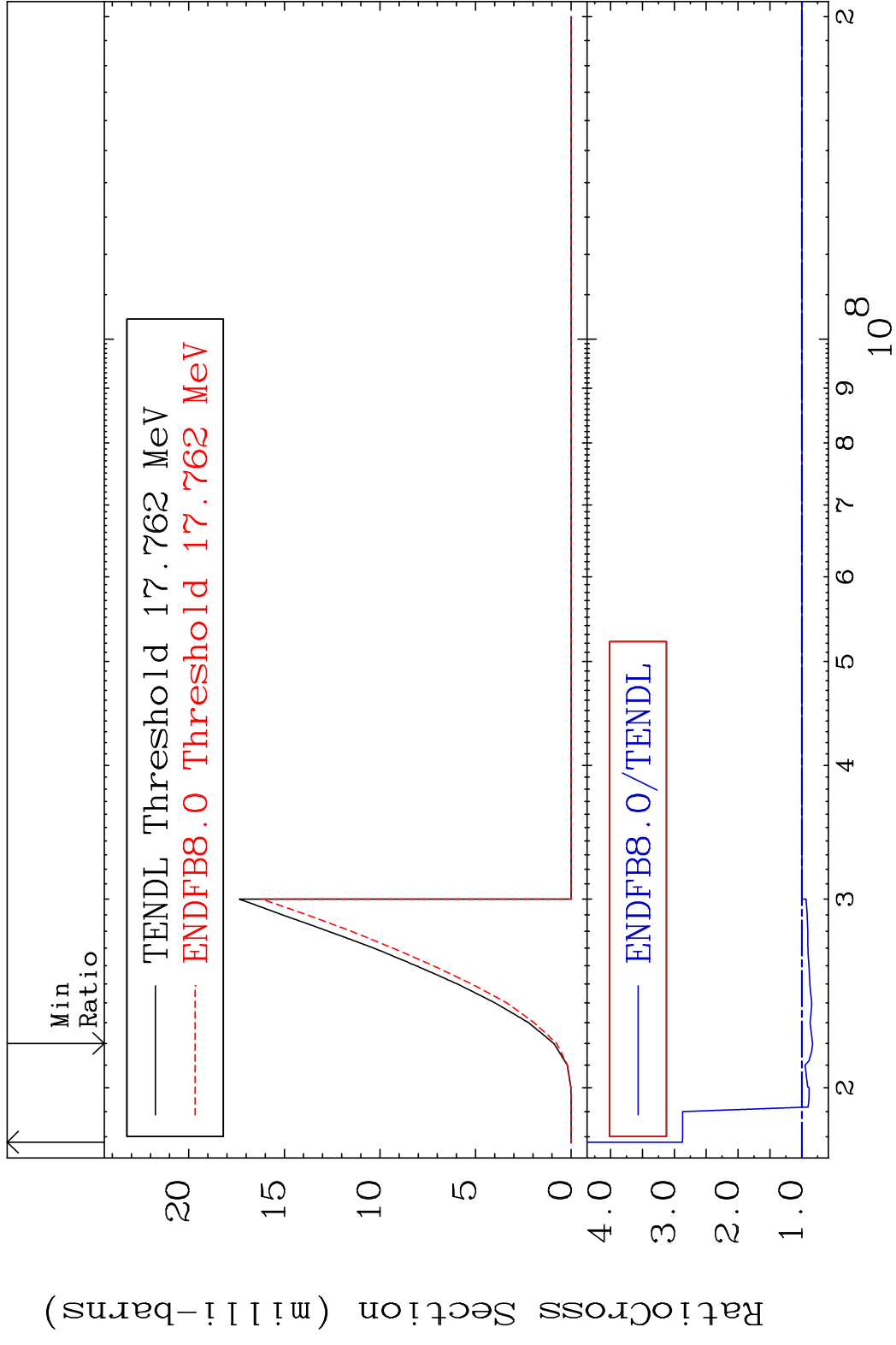
10 Incident Energy (eV) 20-Ca-45

MAT 2040 (n, n') 2α 20-Ca-45
 Cross Section 0.000 To 469.4 %

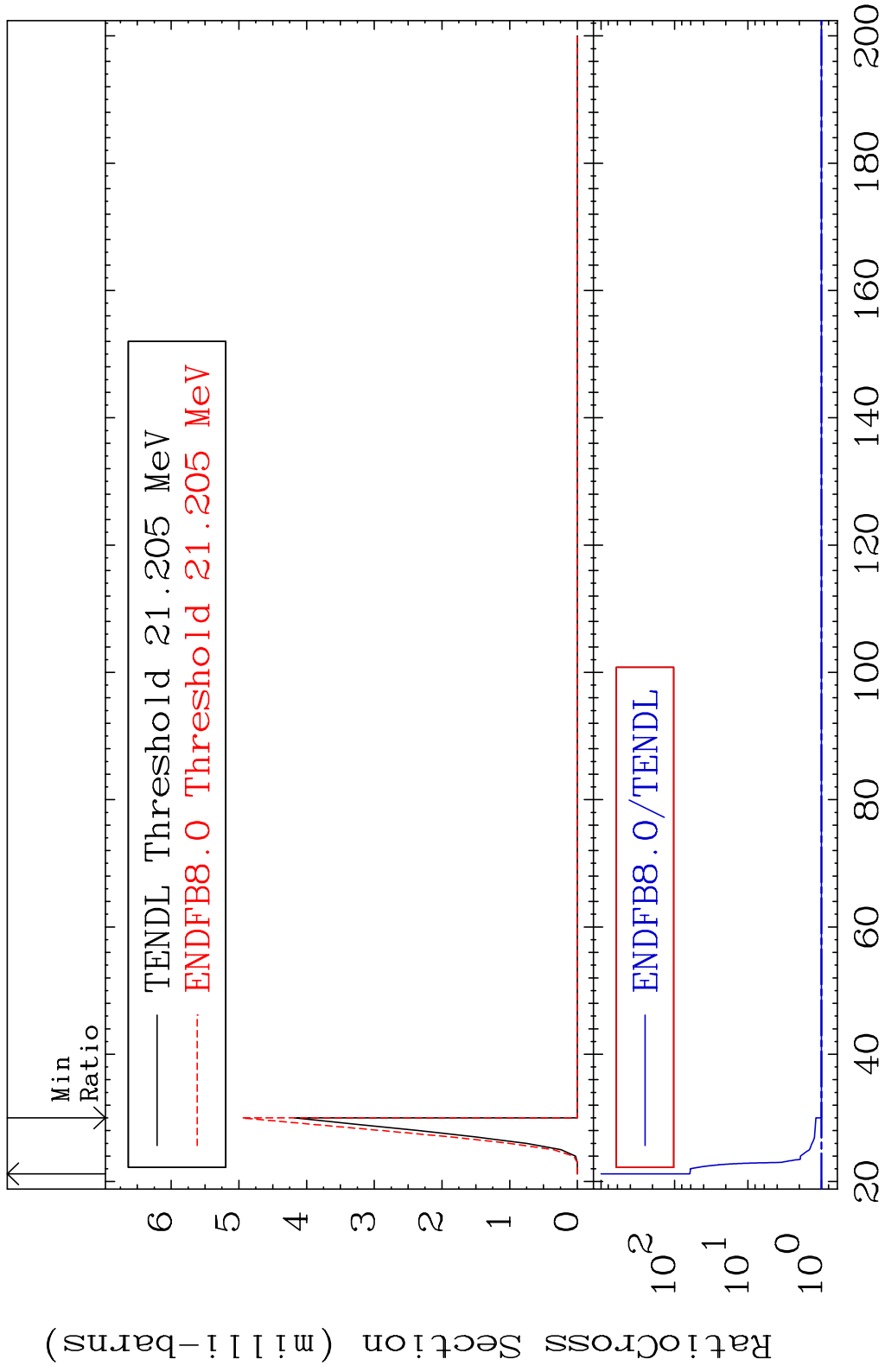


11 Incident Energy (eV) 20-Ca-45

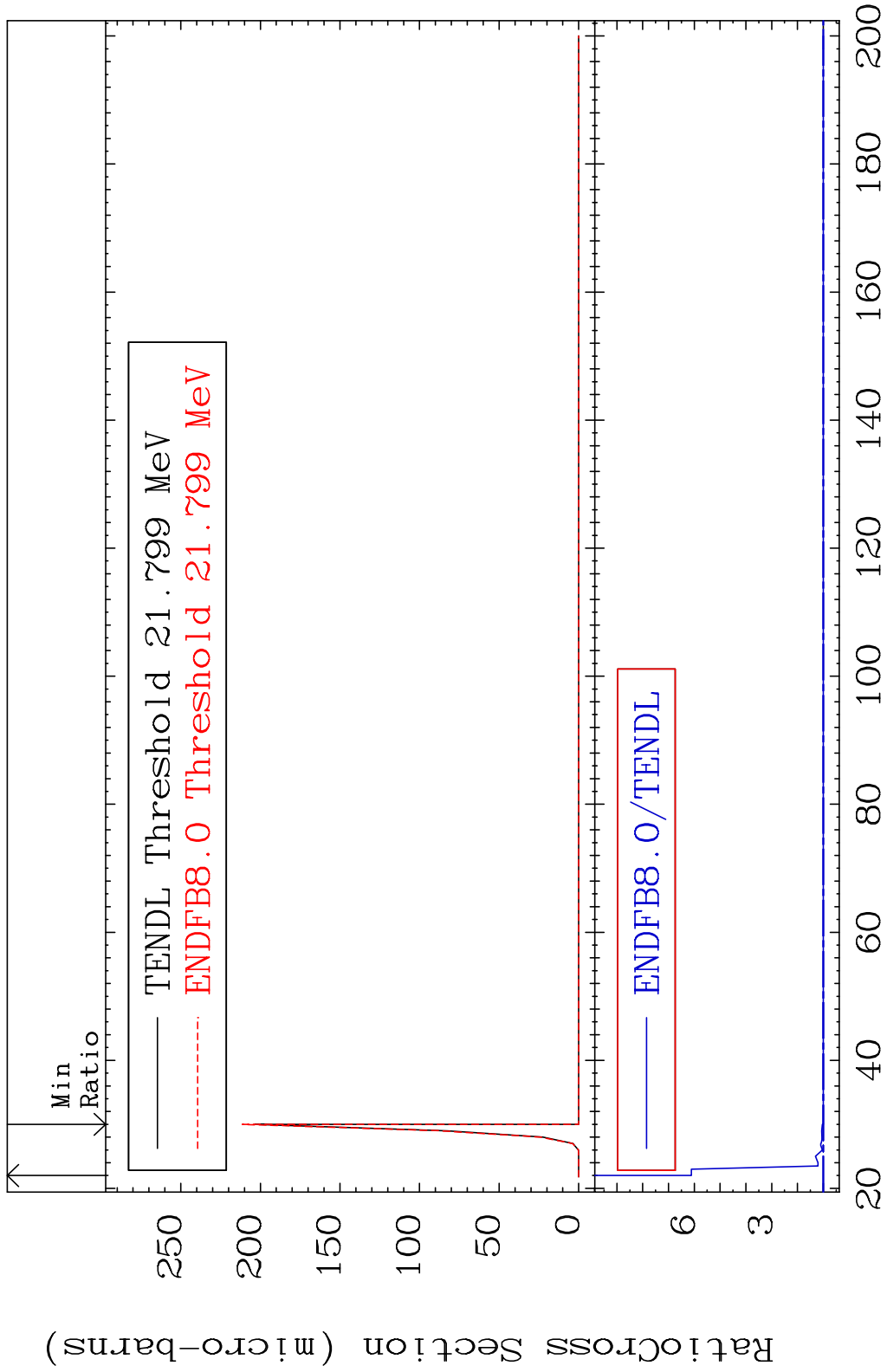
MAT 2040 (n, n') d 20-Ca-45
 Cross Section -16.92 To 187.4 %



MAT 2040 (n, n') t 20-Ca-45
 Cross Section 0.000 To 6100. %

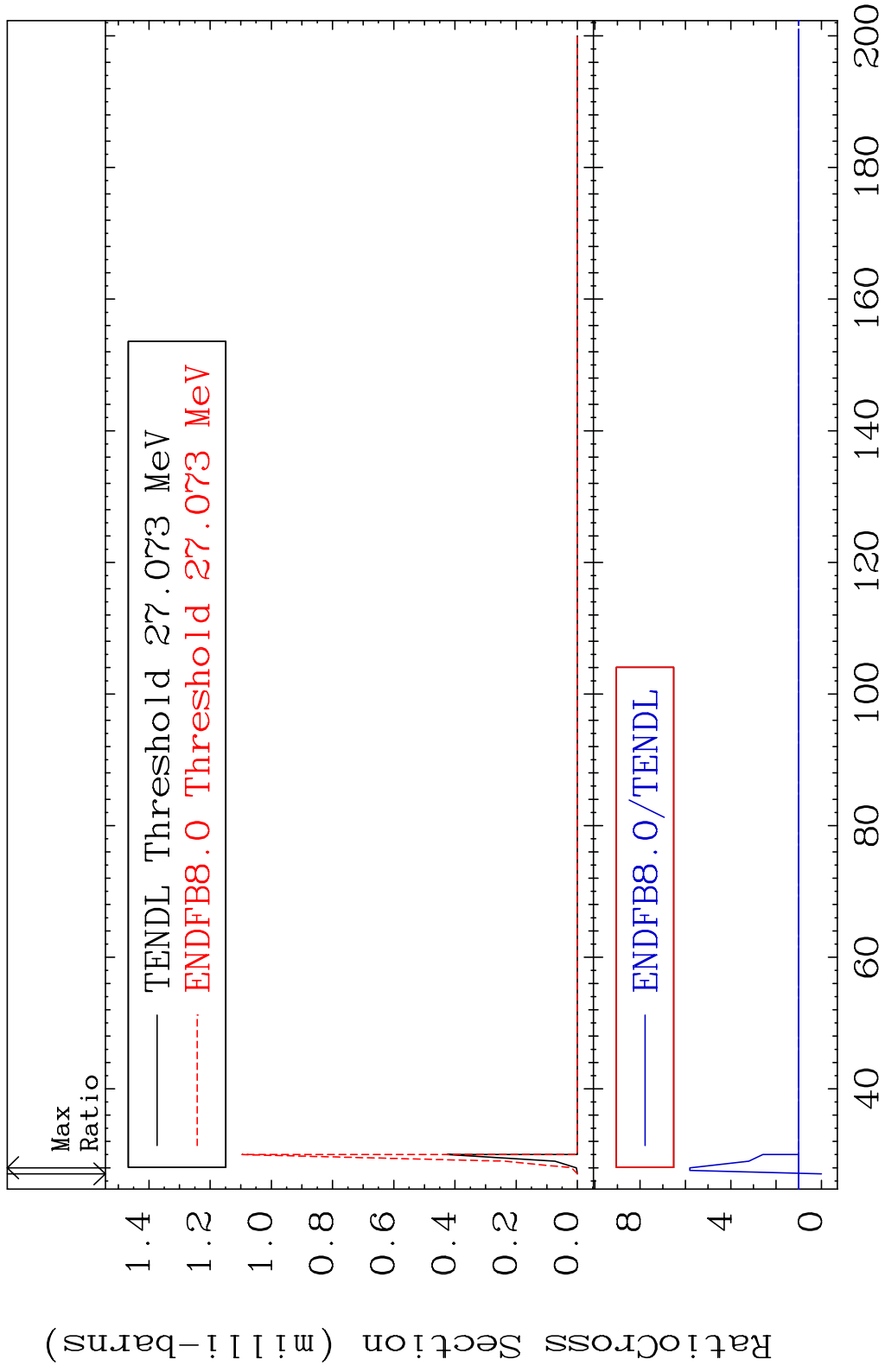


MAT 2040 (n,n') He-3 20-Ca-45
 Cross Section 0.000 To 511.5 %

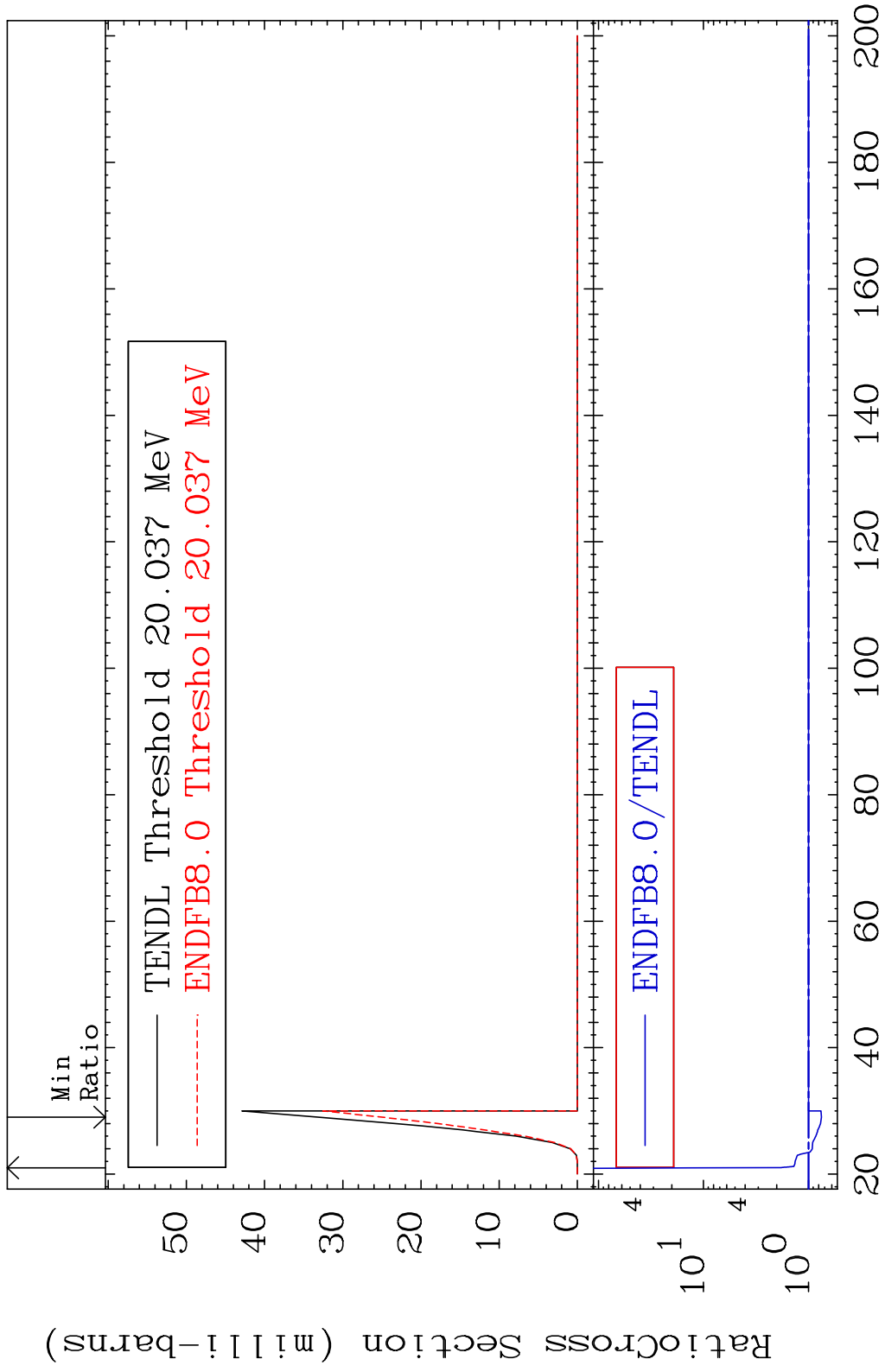


14 Incident Energy (MeV) 20-Ca-45

MAT 2040 (n,4n) 20-Ca-45
Cross Section -100.0 To 480.9 %

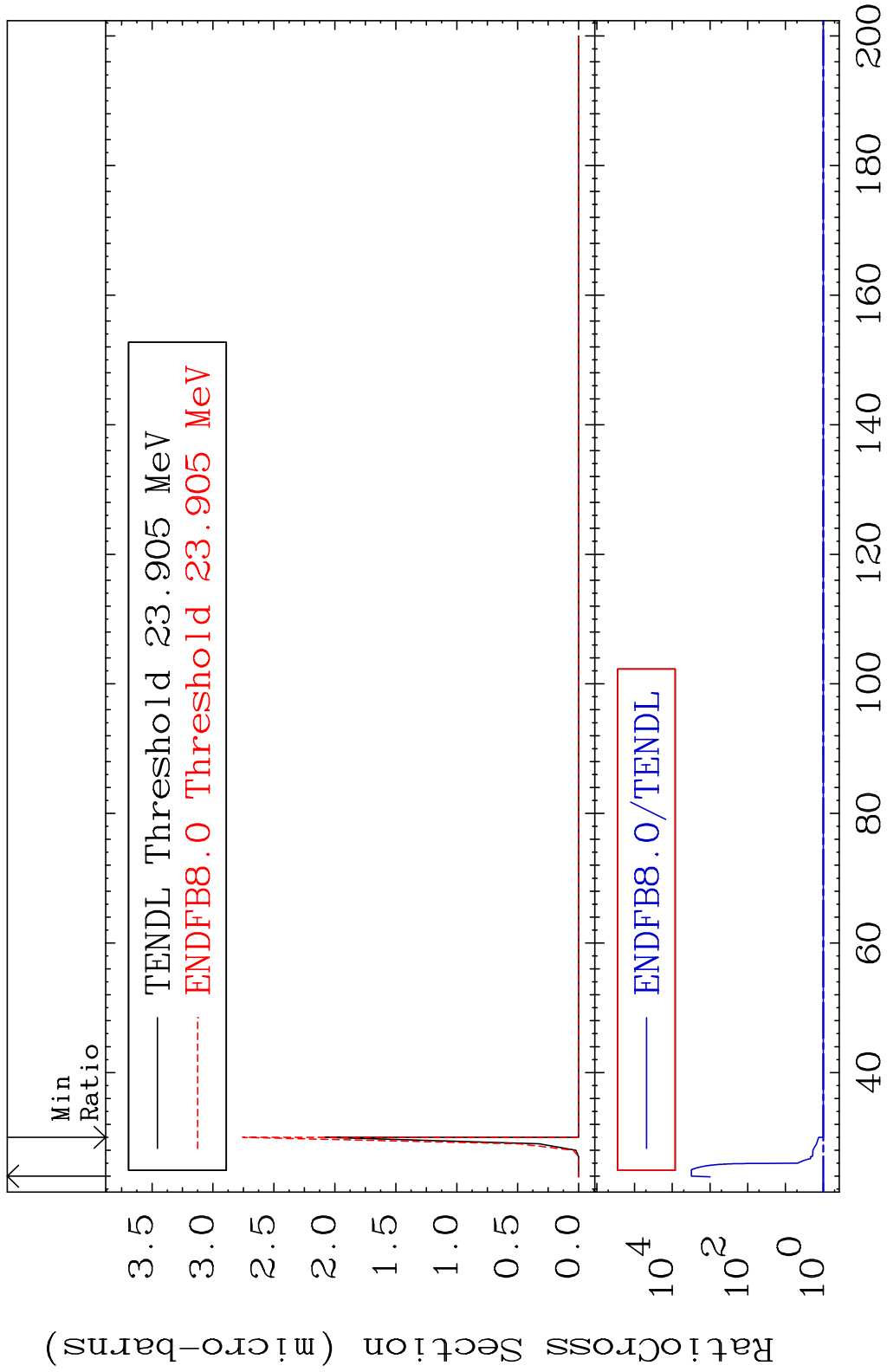


MAT 2040 (n,2n) p 20-Ca-45
 Cross Section -24.76 To 1250. %

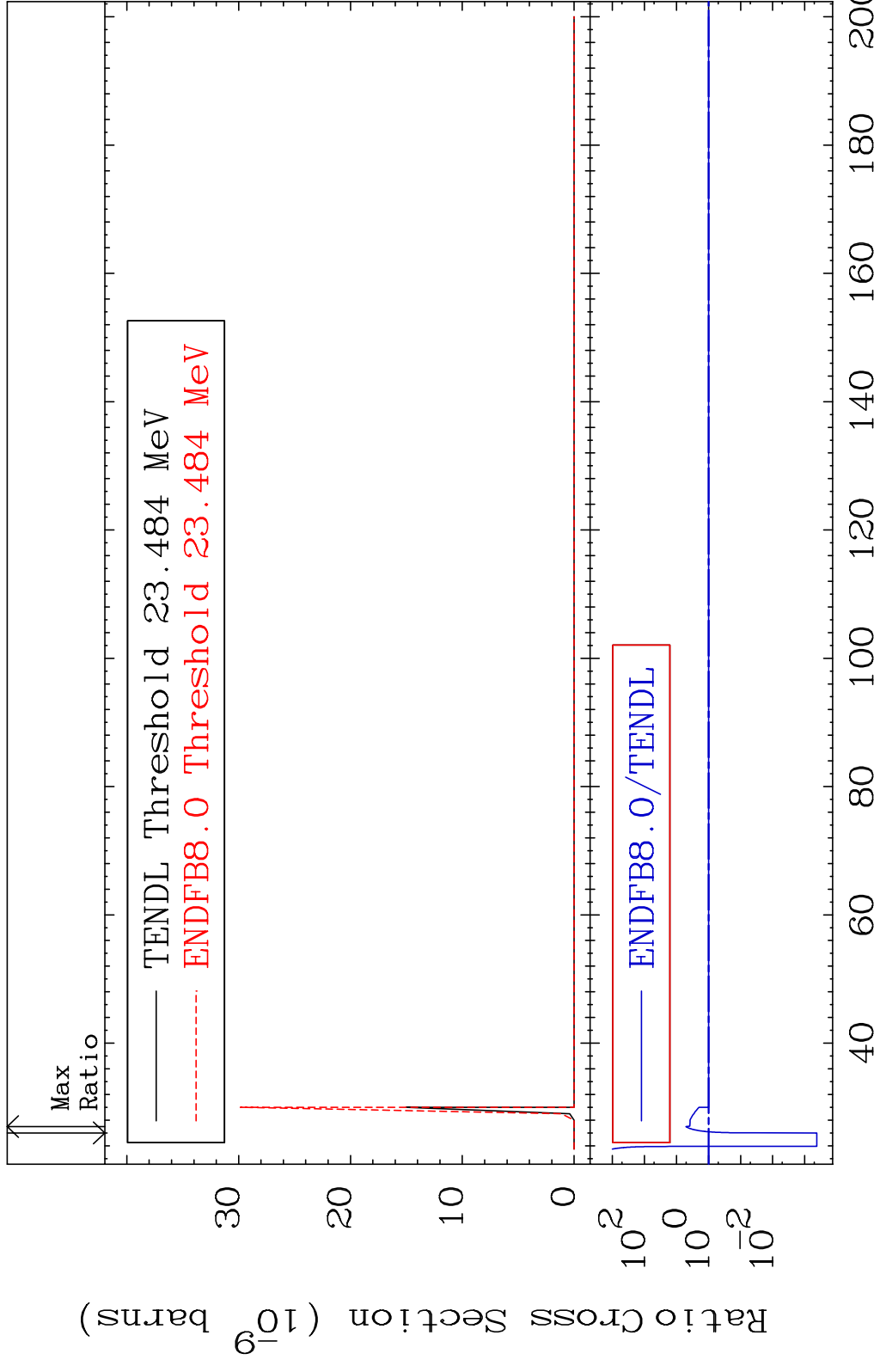


16 Incident Energy (MeV) 20-Ca-45

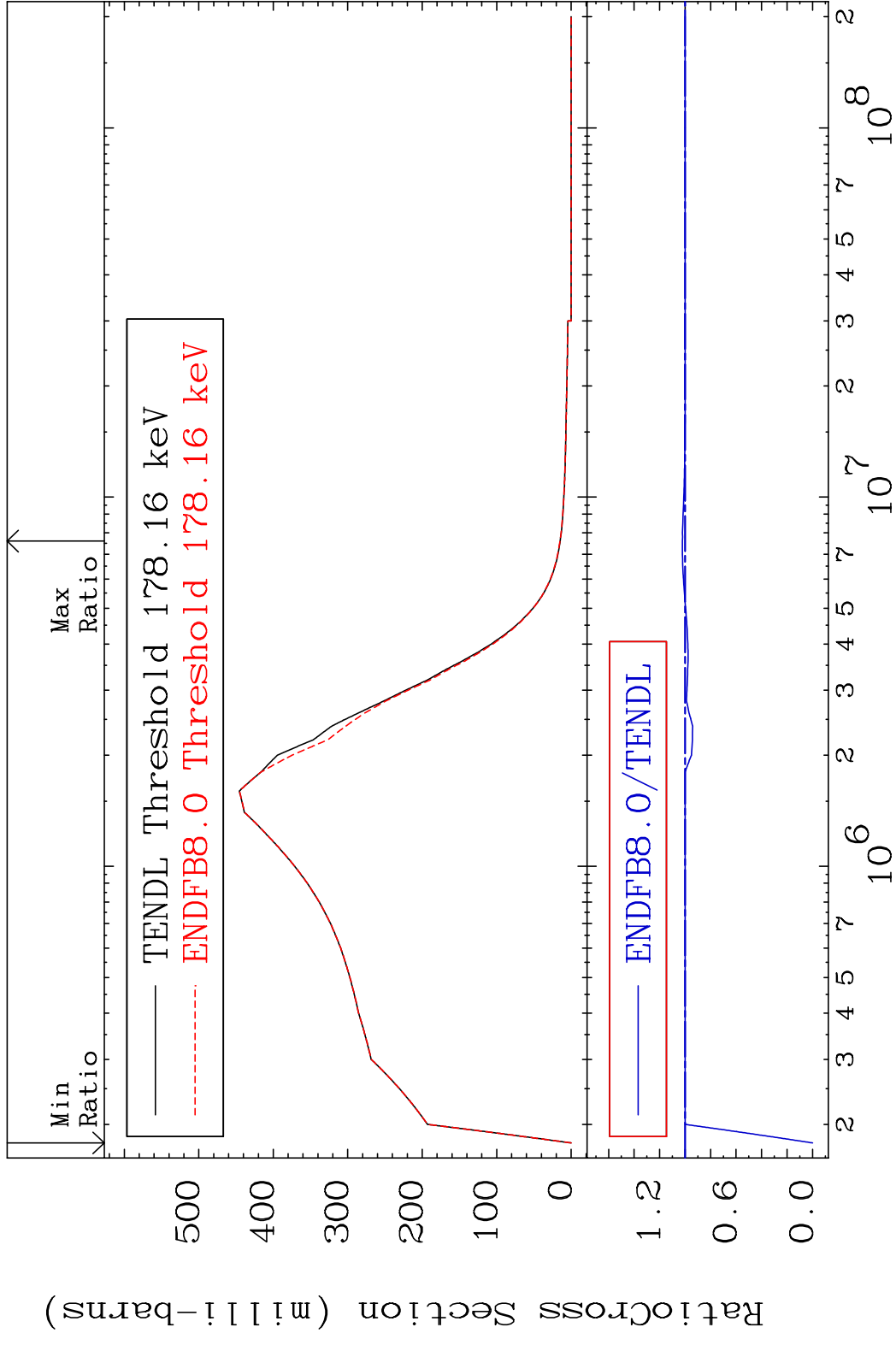
MAT 2040 (n,2n) p 20-Ca-45
 Cross Section 0.000 To 9999. %



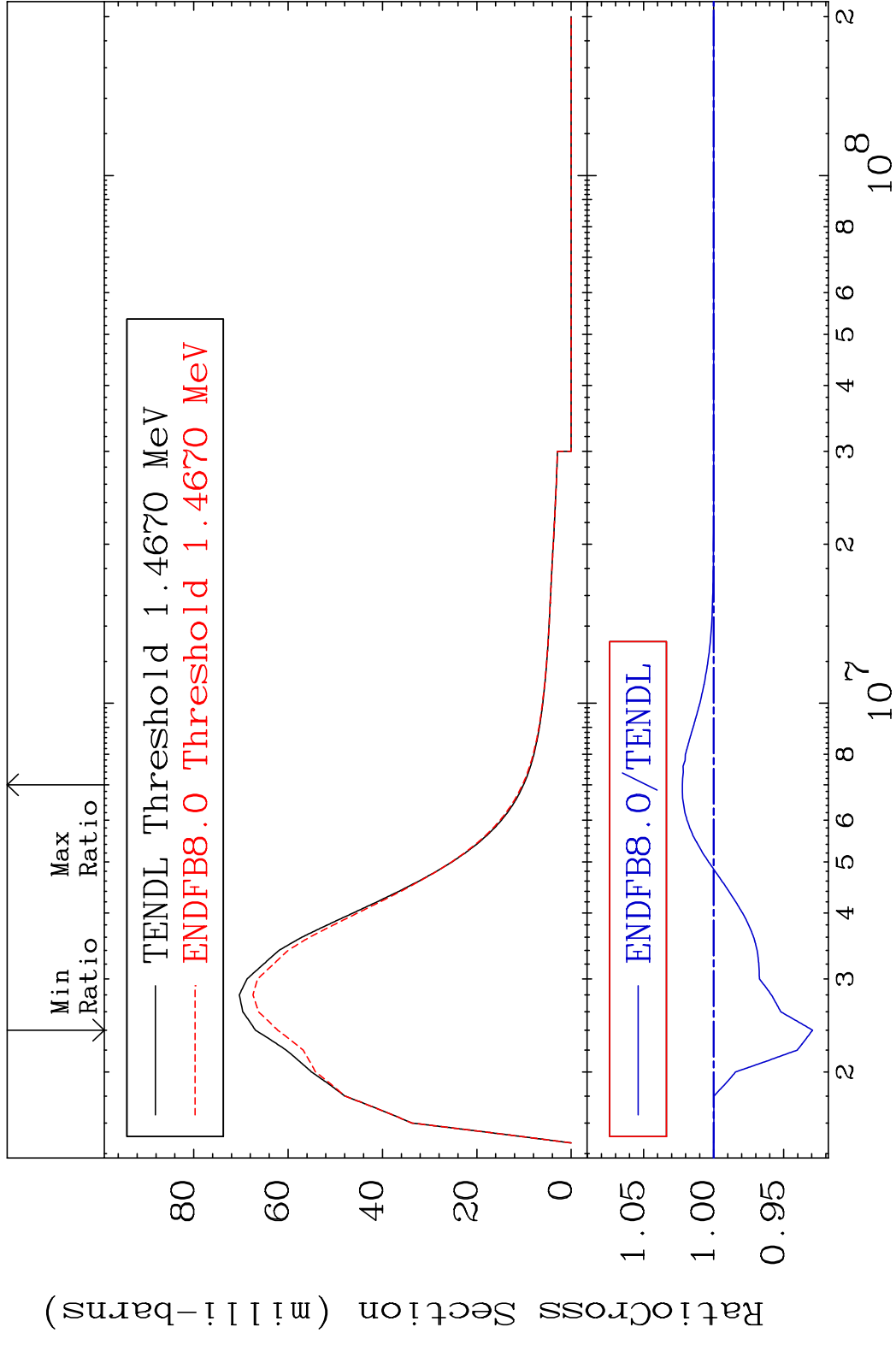
MAT 2040 (n,n') p α 20-Ca-45
 Cross Section -99.96 To 409.4 %



MAT 2040 MT= 51 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 2.156 %

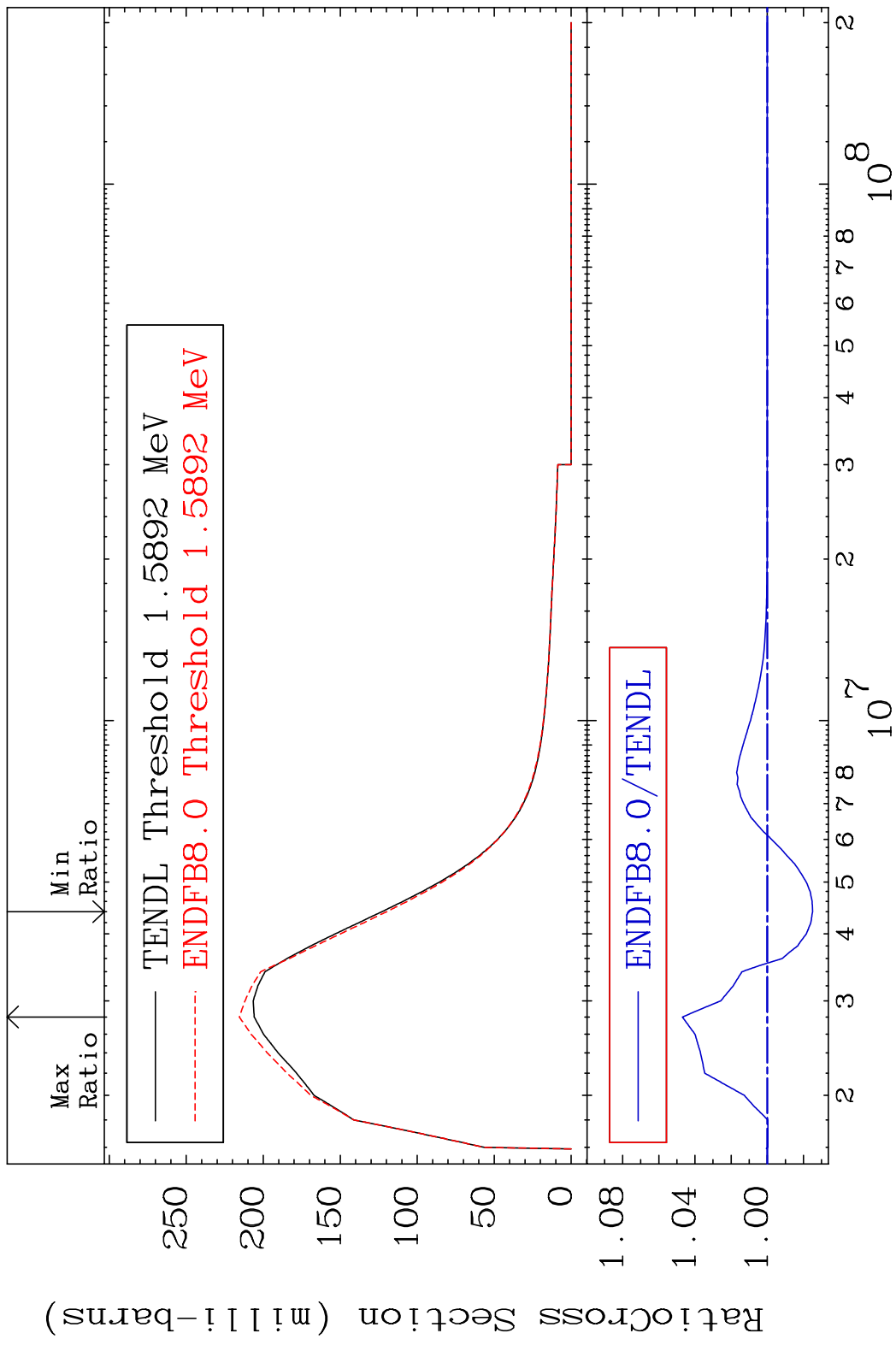


MAT 2040 MT= 52 (n, n') Level 20-Ca-45
 Cross Section -7.054 To 2.231 %

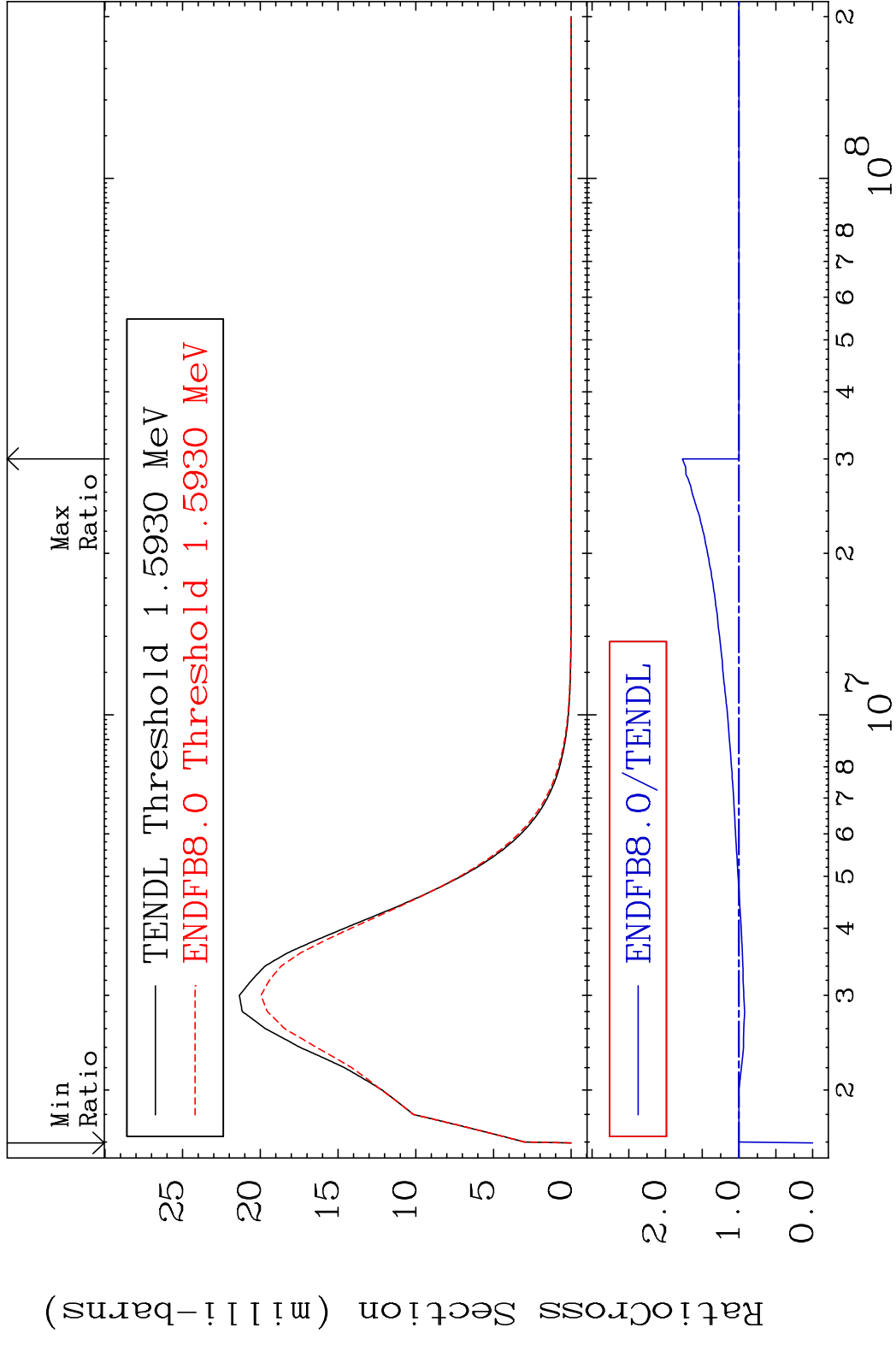


20 Incident Energy (eV) 20-Ca-45

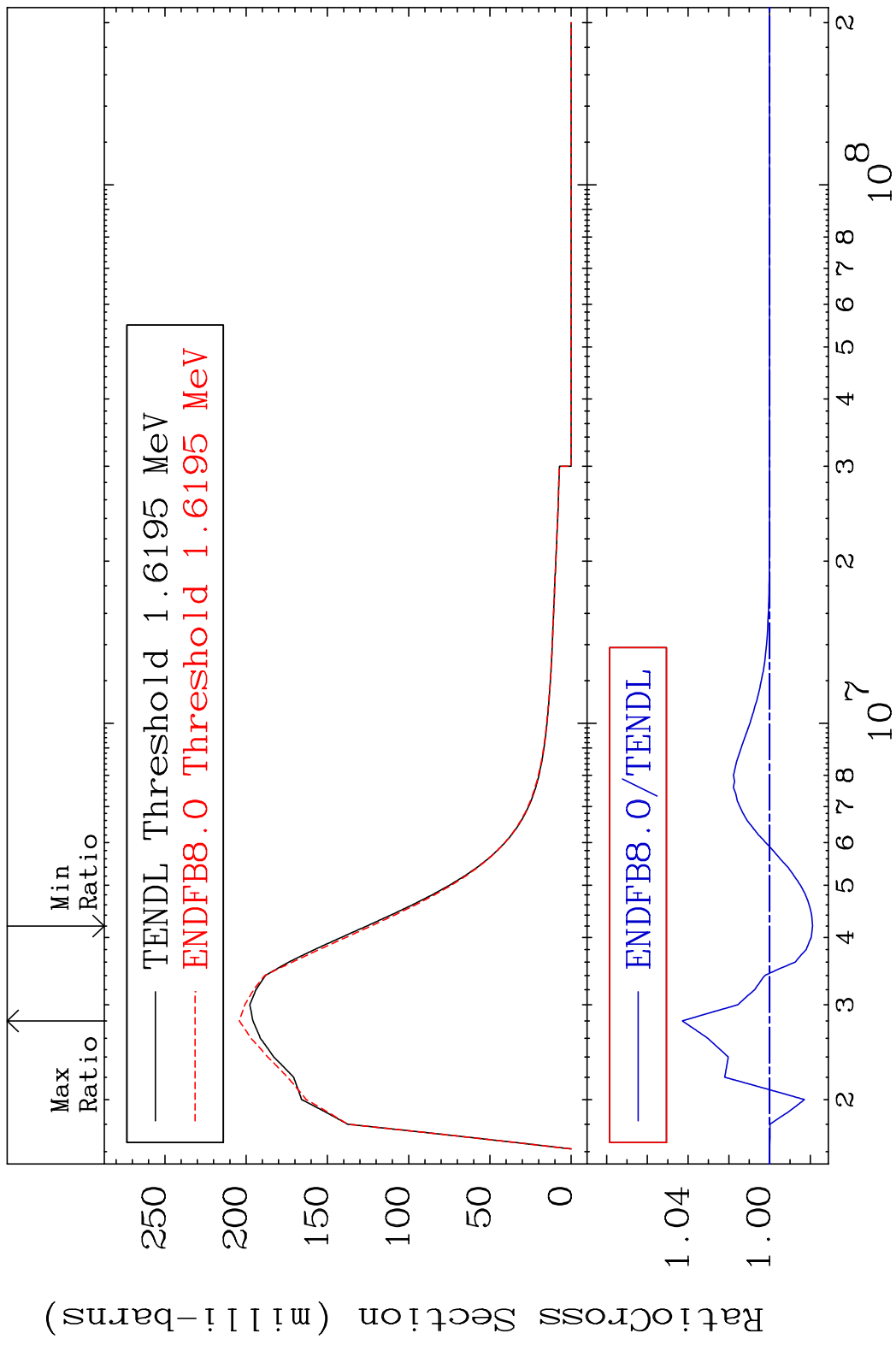
MAT 2040 MT= 53 (n,n') Level 20-Ca-45
 Cross Section -2.502 To 4.698 %



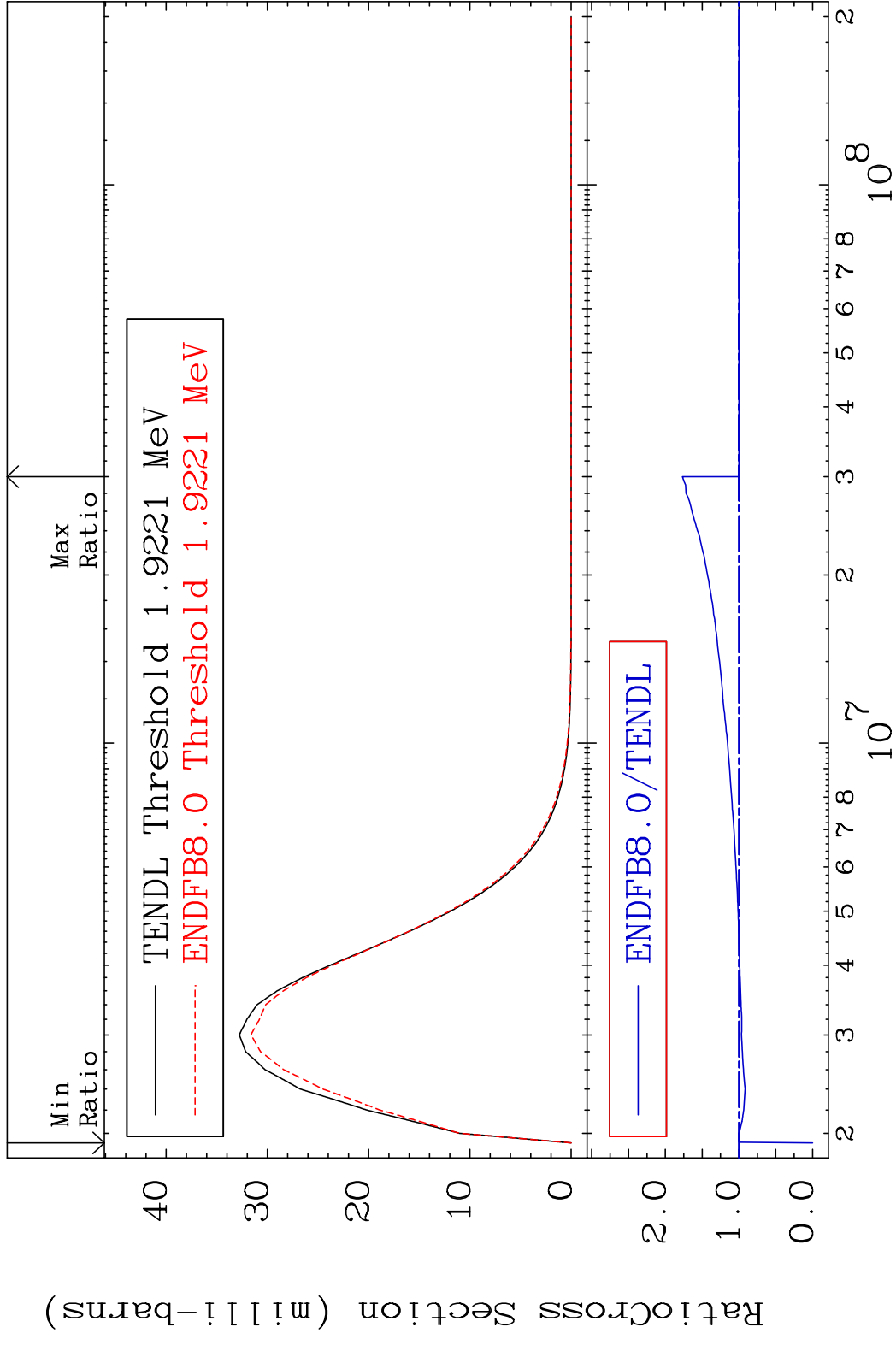
MAT 2040 MT= 54 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 77.10 %



MAT 2040 MT= 55 (n,n') Level 20-Ca-45
 Cross Section -2.110 To 4.281 %

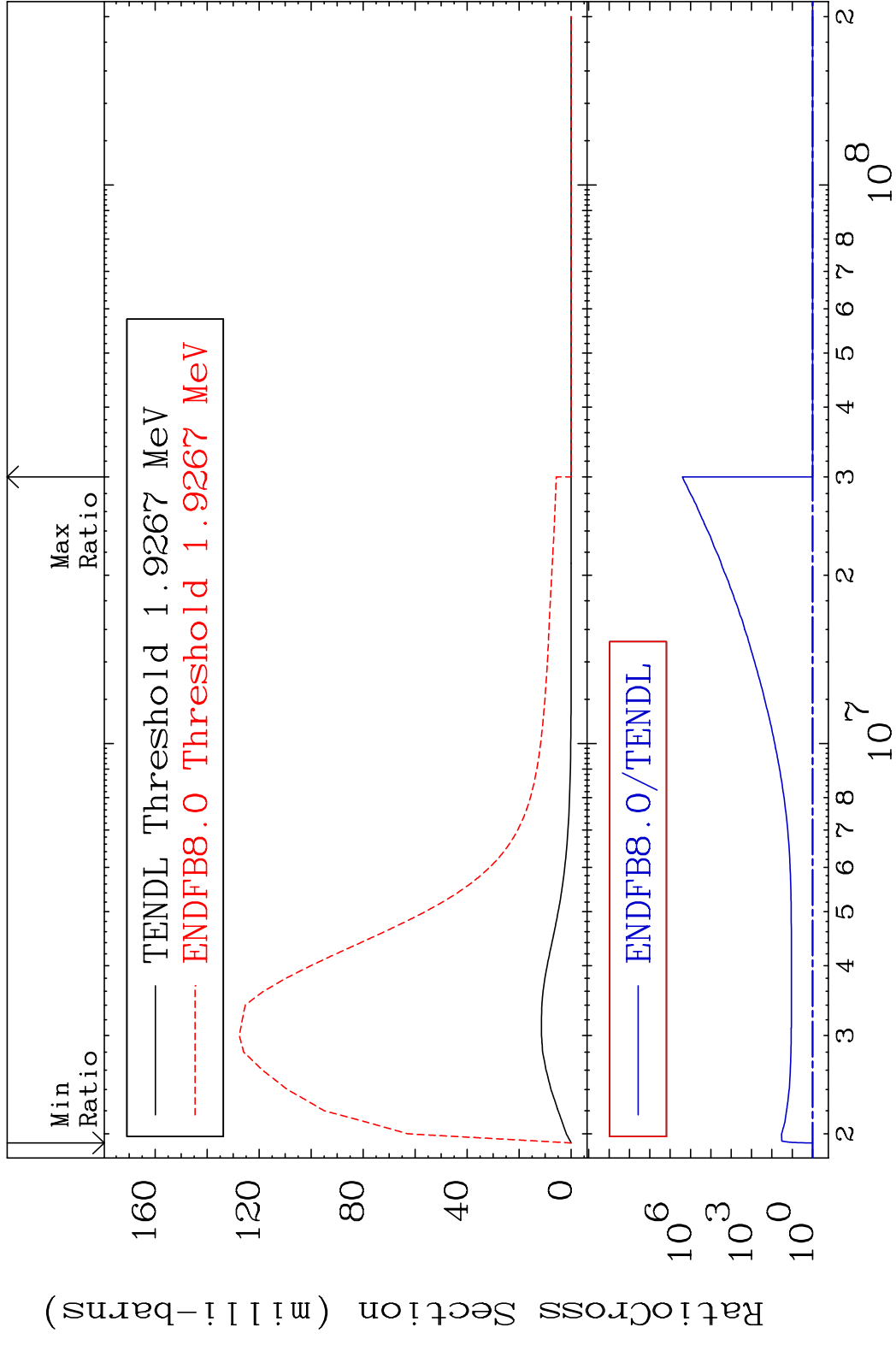


MAT 2040 MT= 56 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 76.88 %

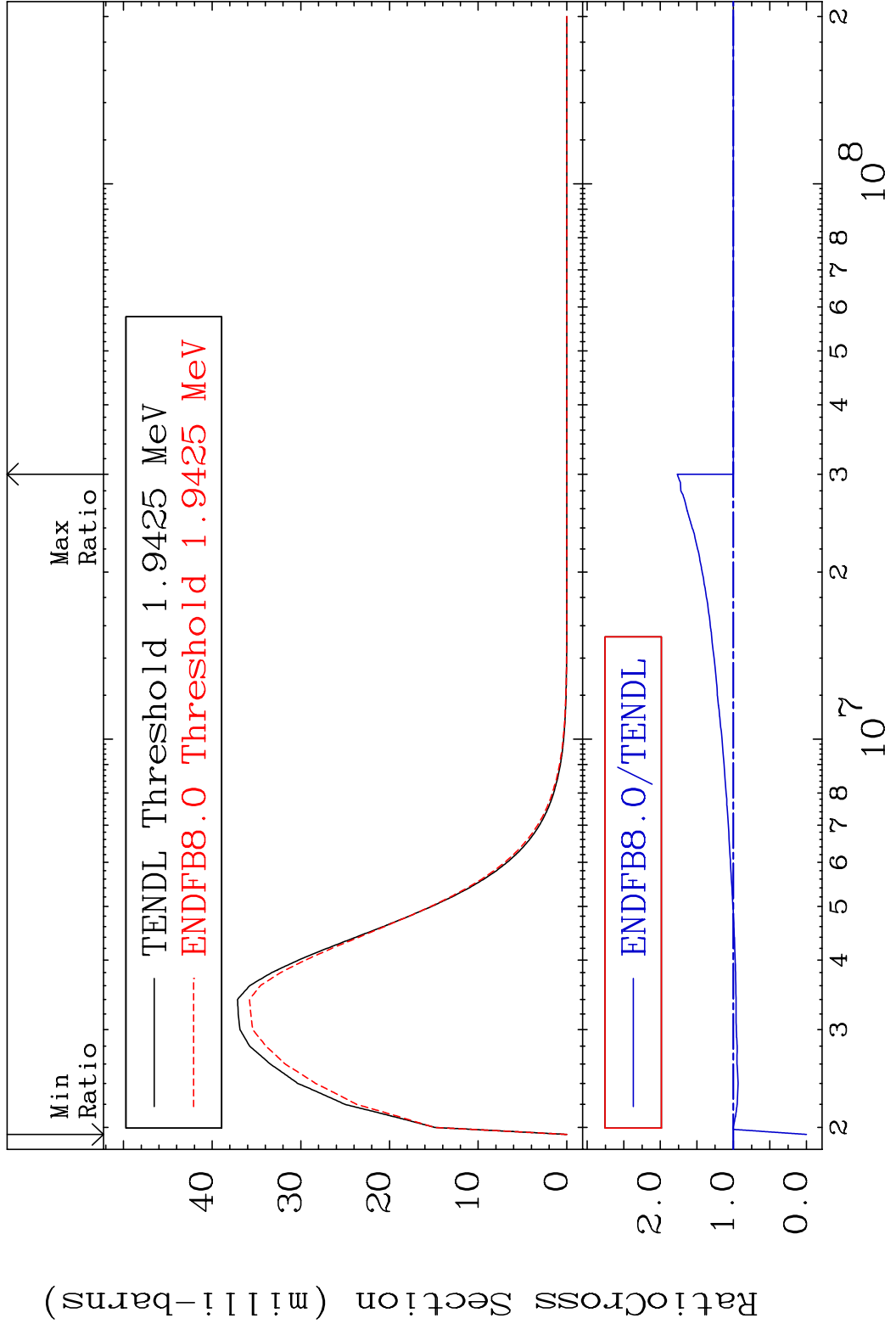


24 Incident Energy (eV) 20-Ca-45

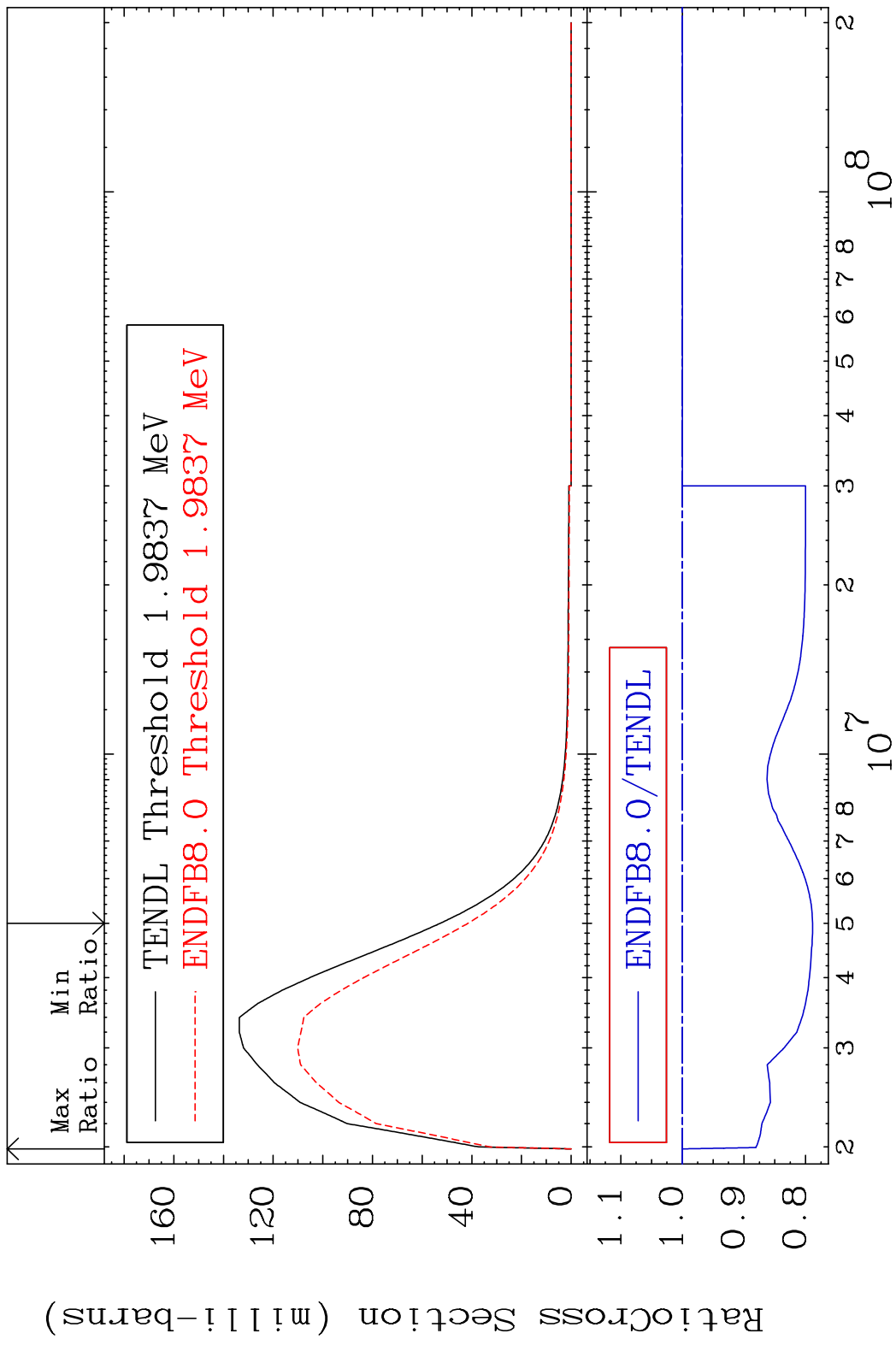
MAT 2040 MT= 57 (n, n') Level 20-Ca-45
 Cross Section 0.000 To 9999. %



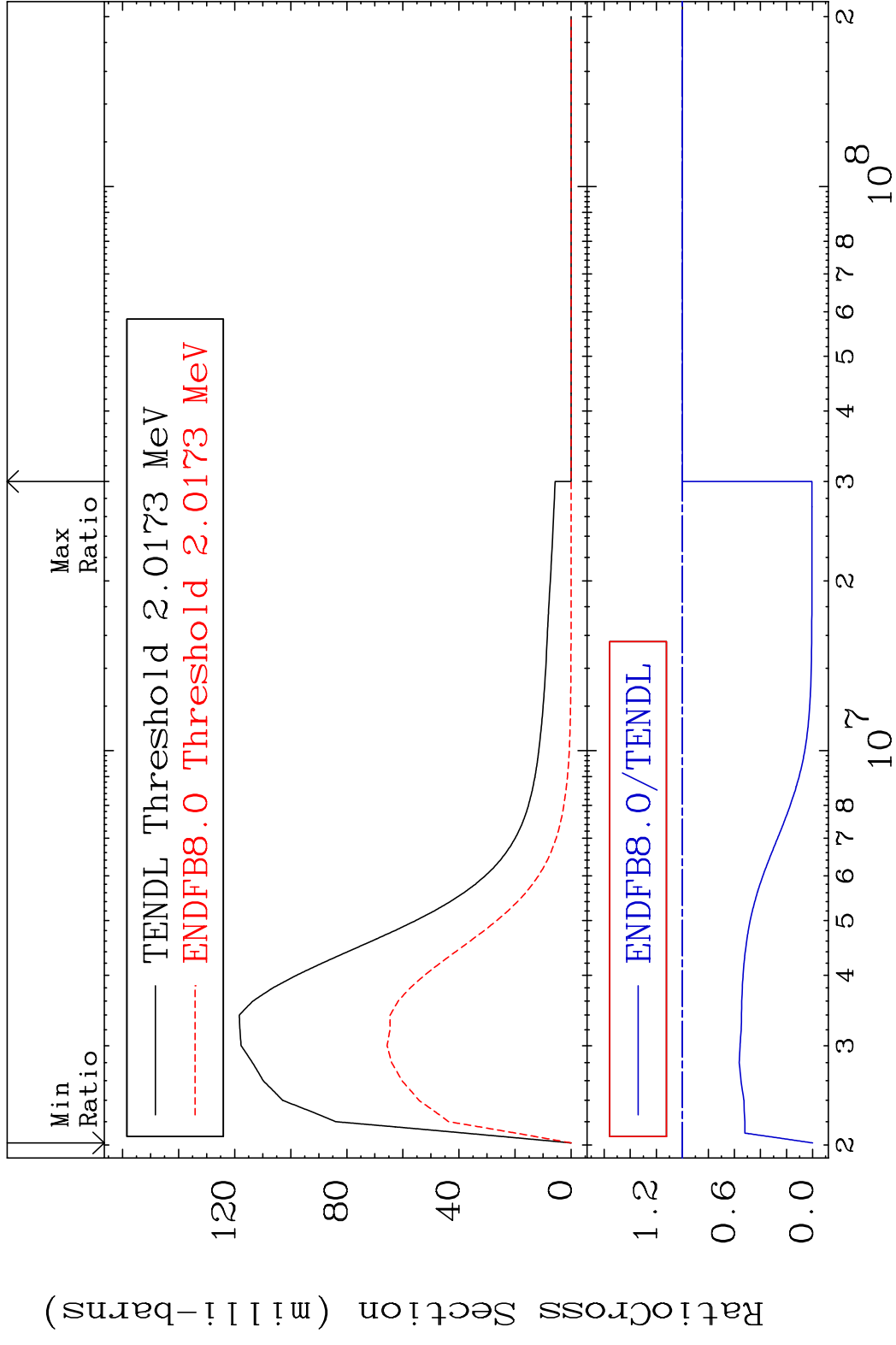
MAT 2040 MT= 58 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 76.88 %



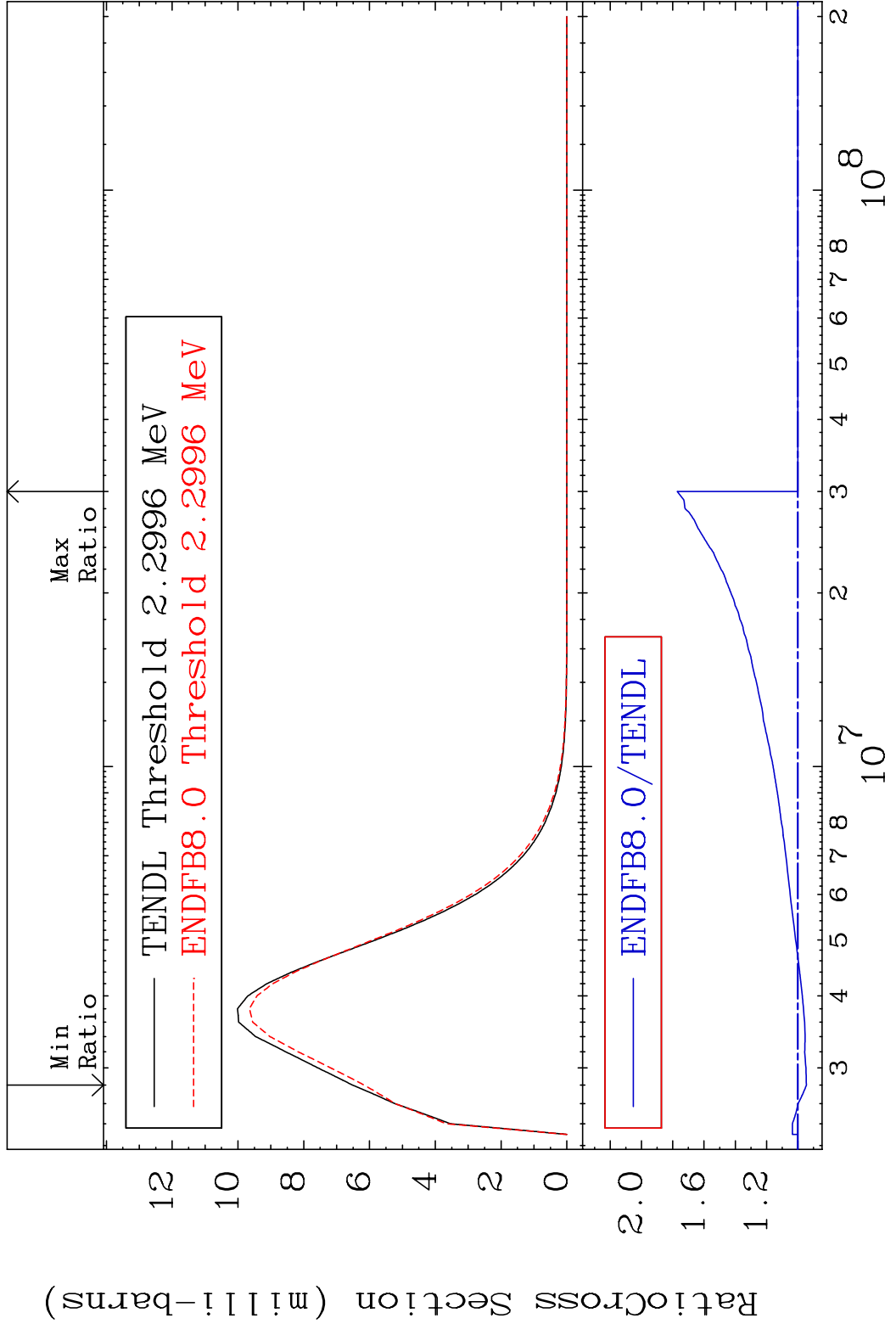
MAT 2040 MT= 59 (n,n') Level 20-Ca-45
 Cross Section -21.13 To 0.000 %



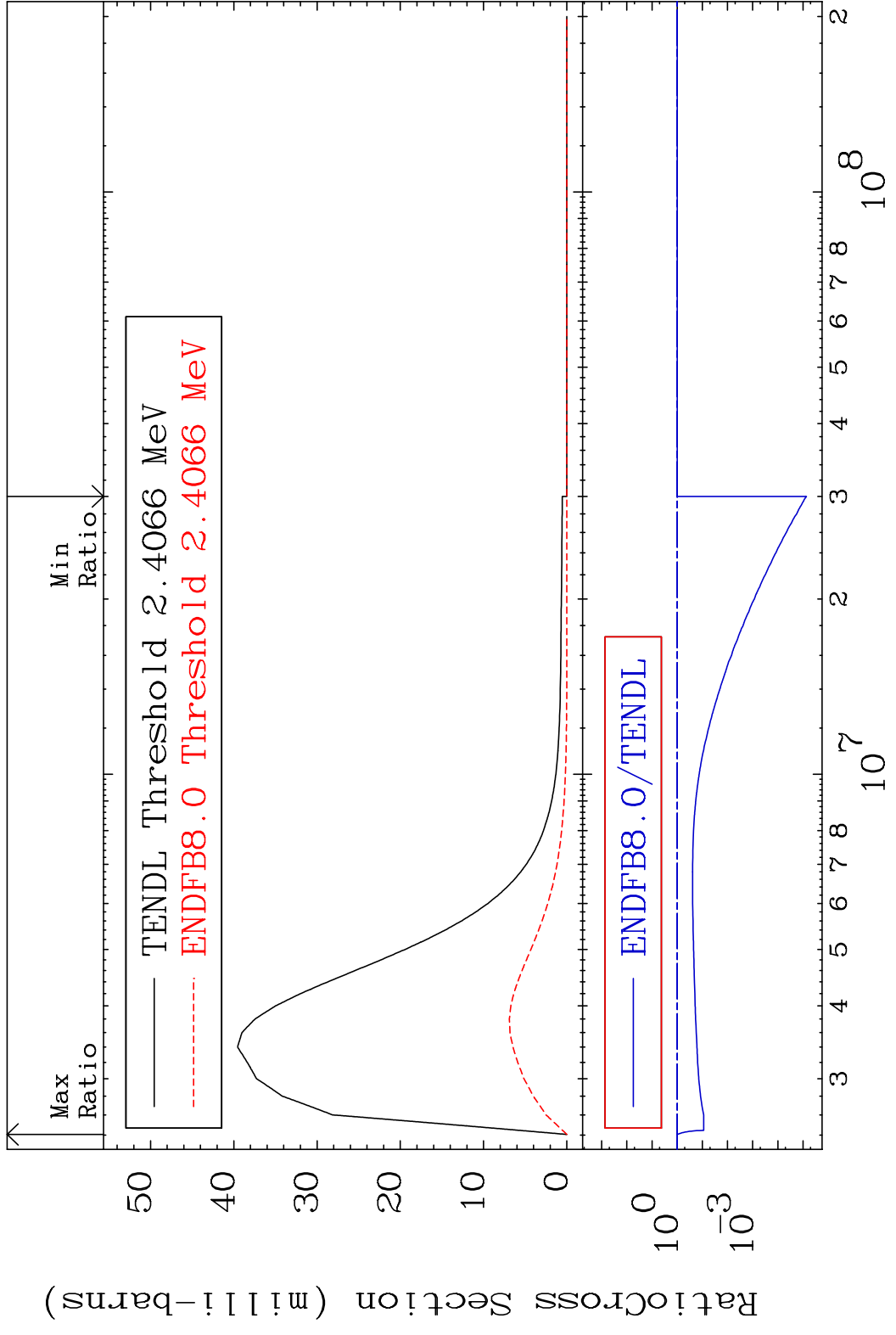
MAT 2040 MT= 60 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 0.000 %



MAT 2040 MT= 61 (n, n') Level 20-Ca-45
 Cross Section -5.455 To 77.15 %

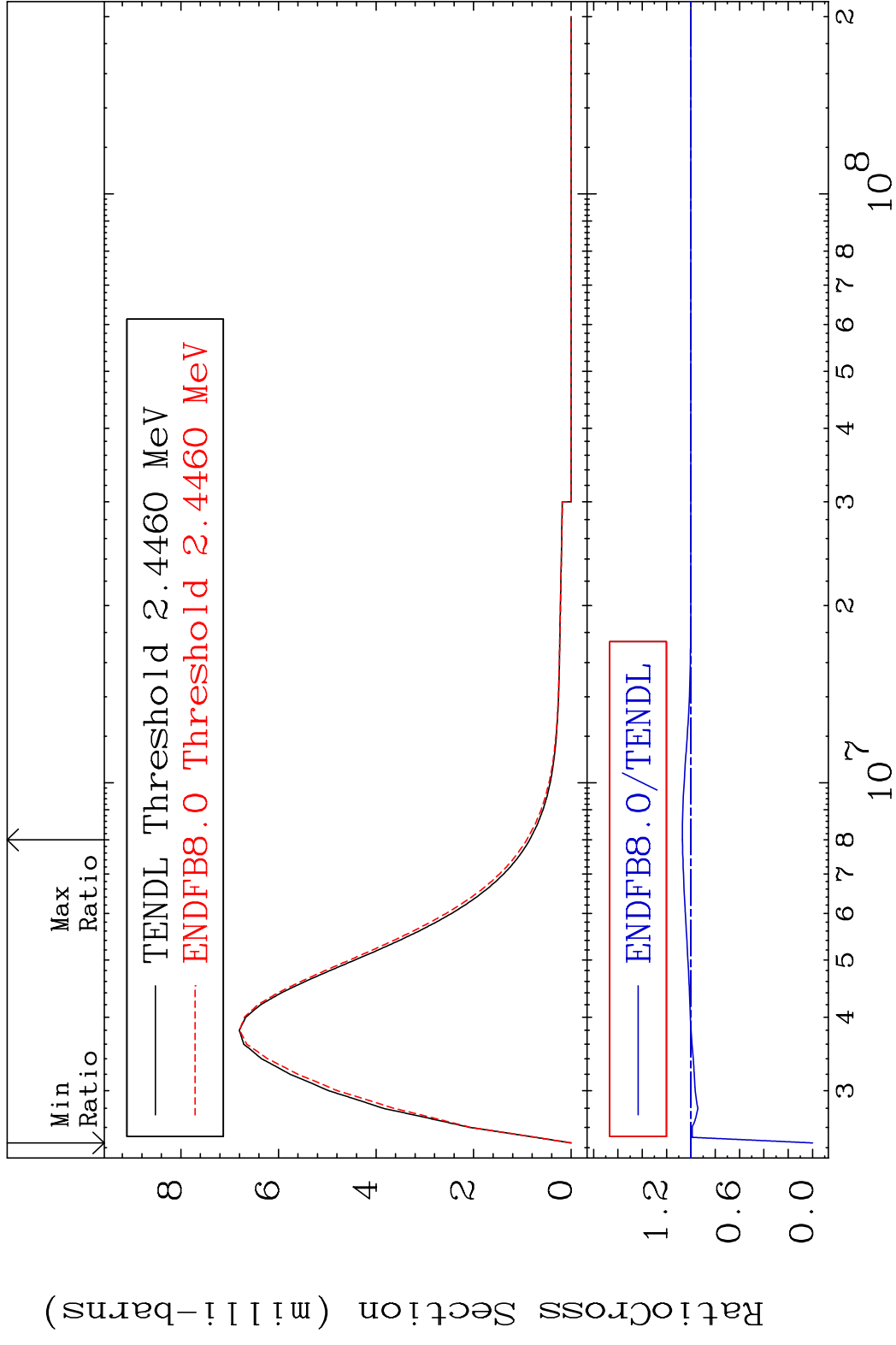


MAT 2040 MT= 62 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 0.000 %

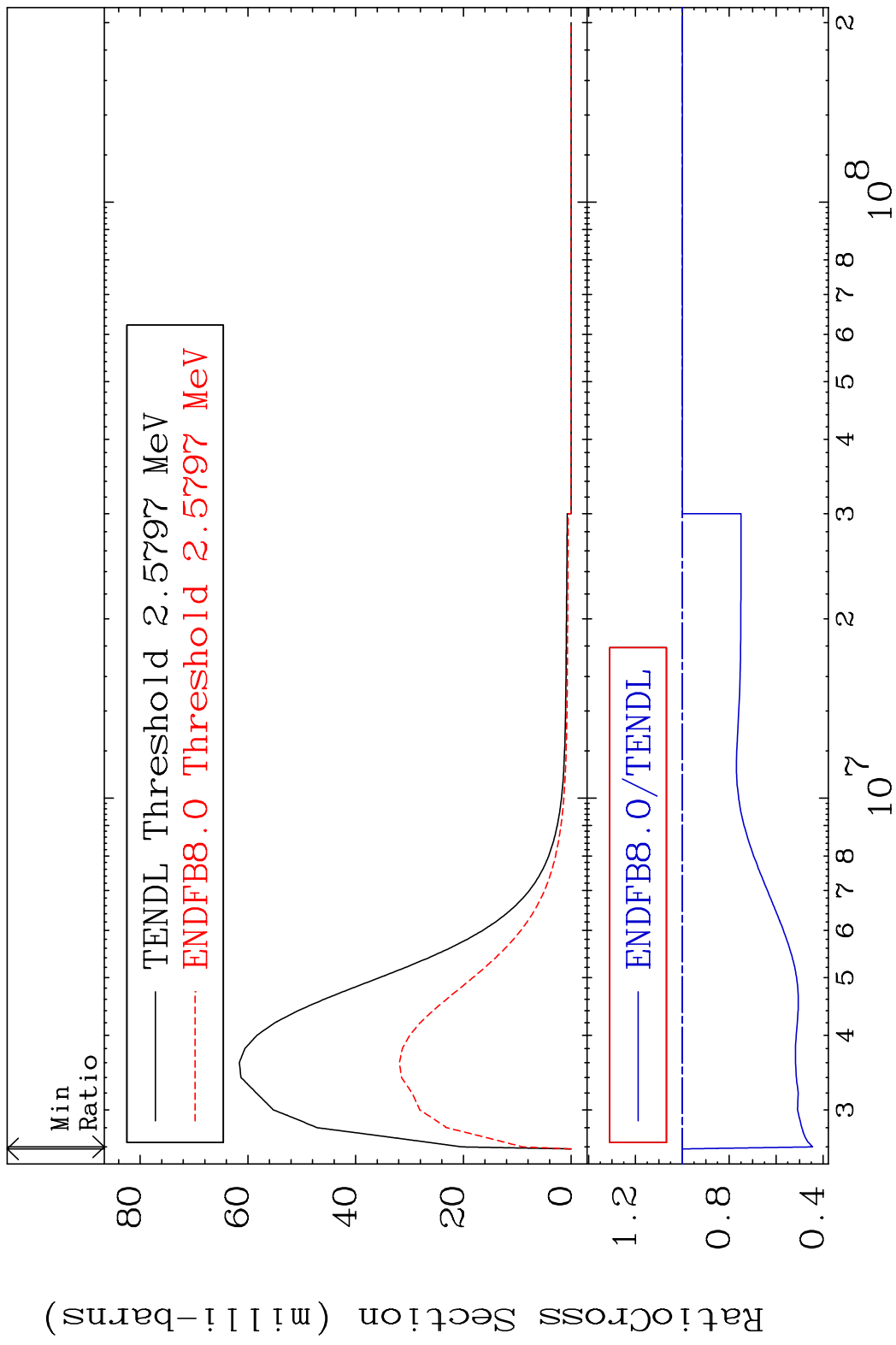


30 Incident Energy (eV) 20-Ca-45

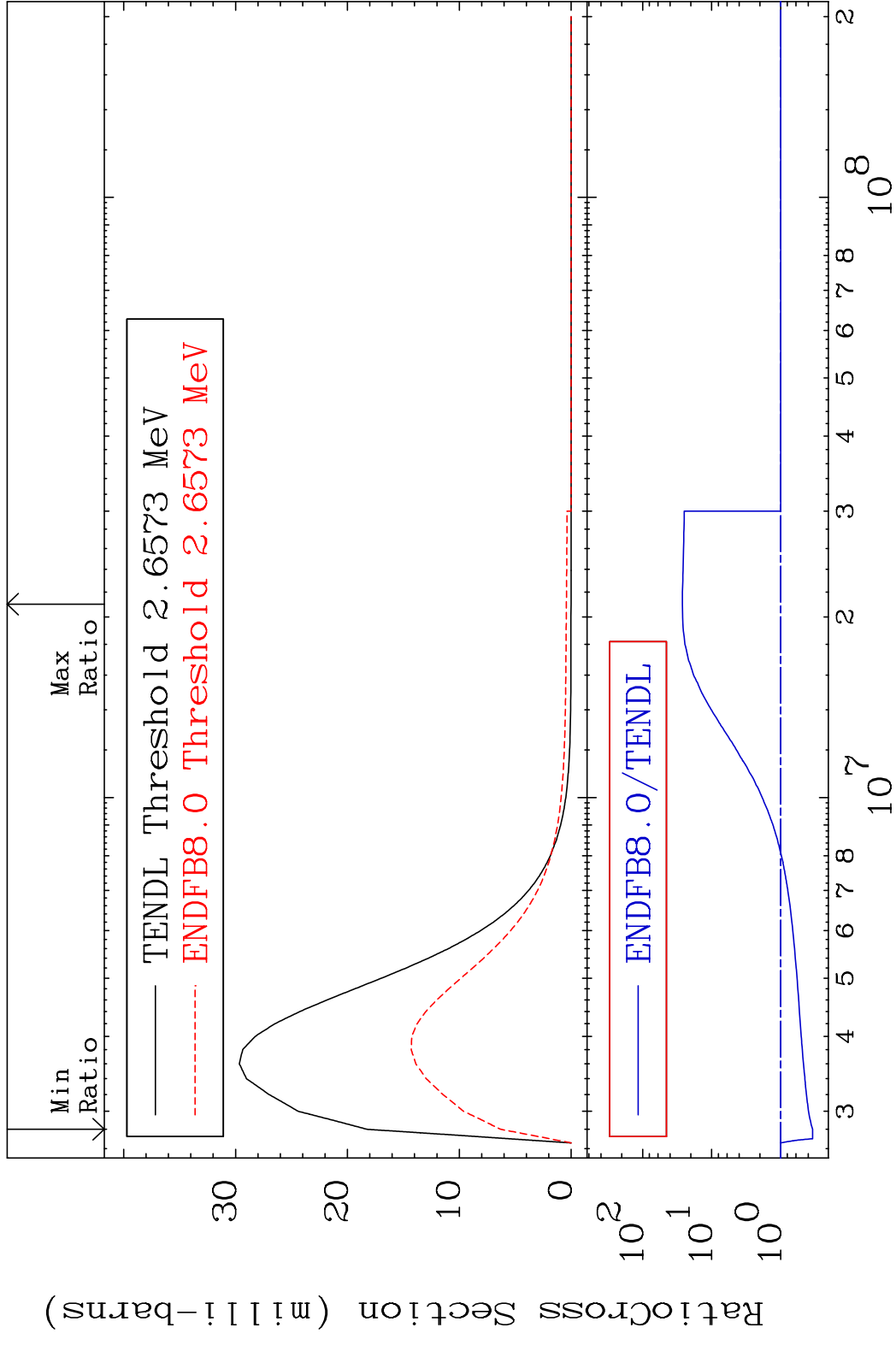
MAT 2040 MT= 63 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 7.028 %



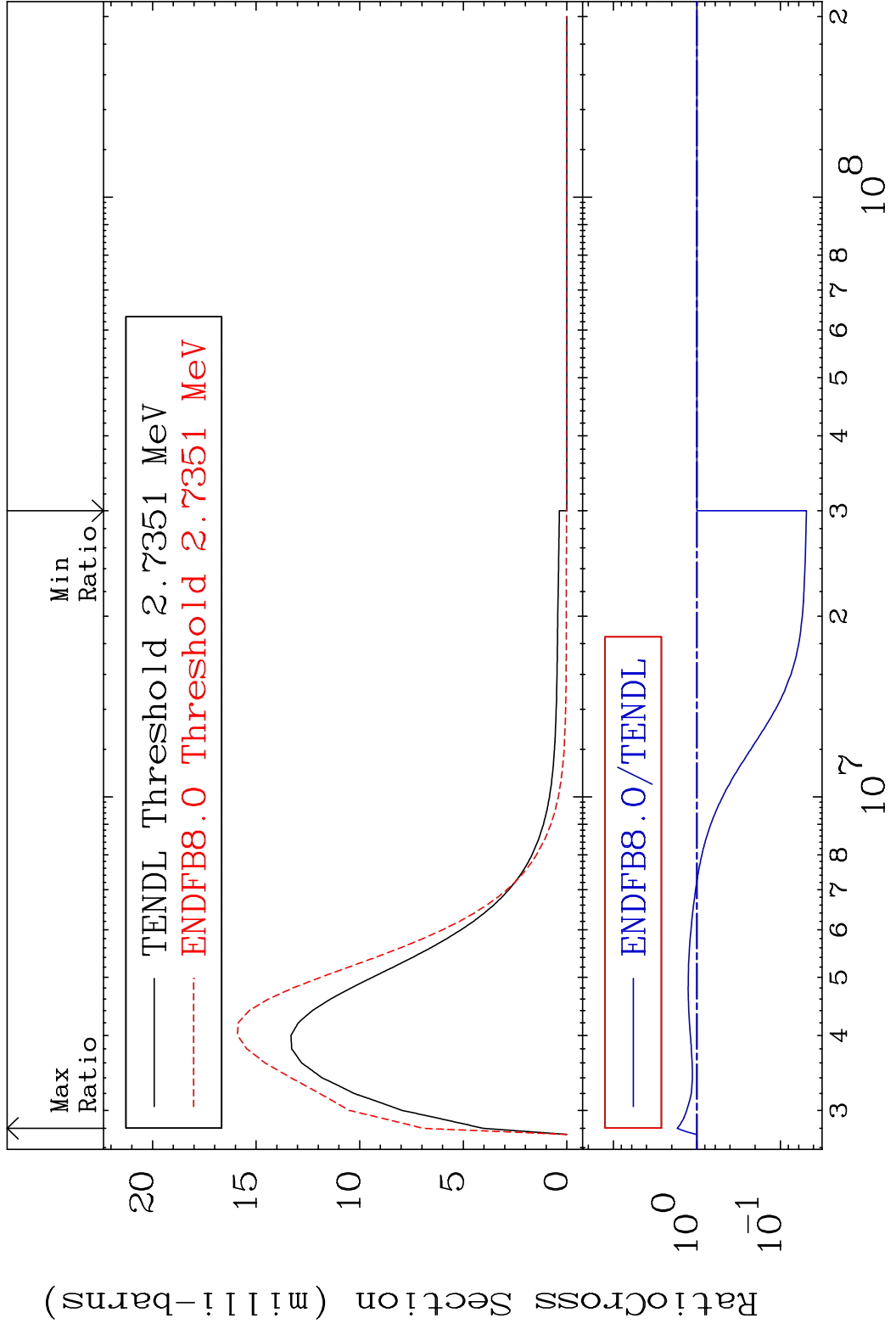
MAT 2040 MT= 64 (n,n') Level 20-Ca-45
 Cross Section -55.55 To 0.000 %



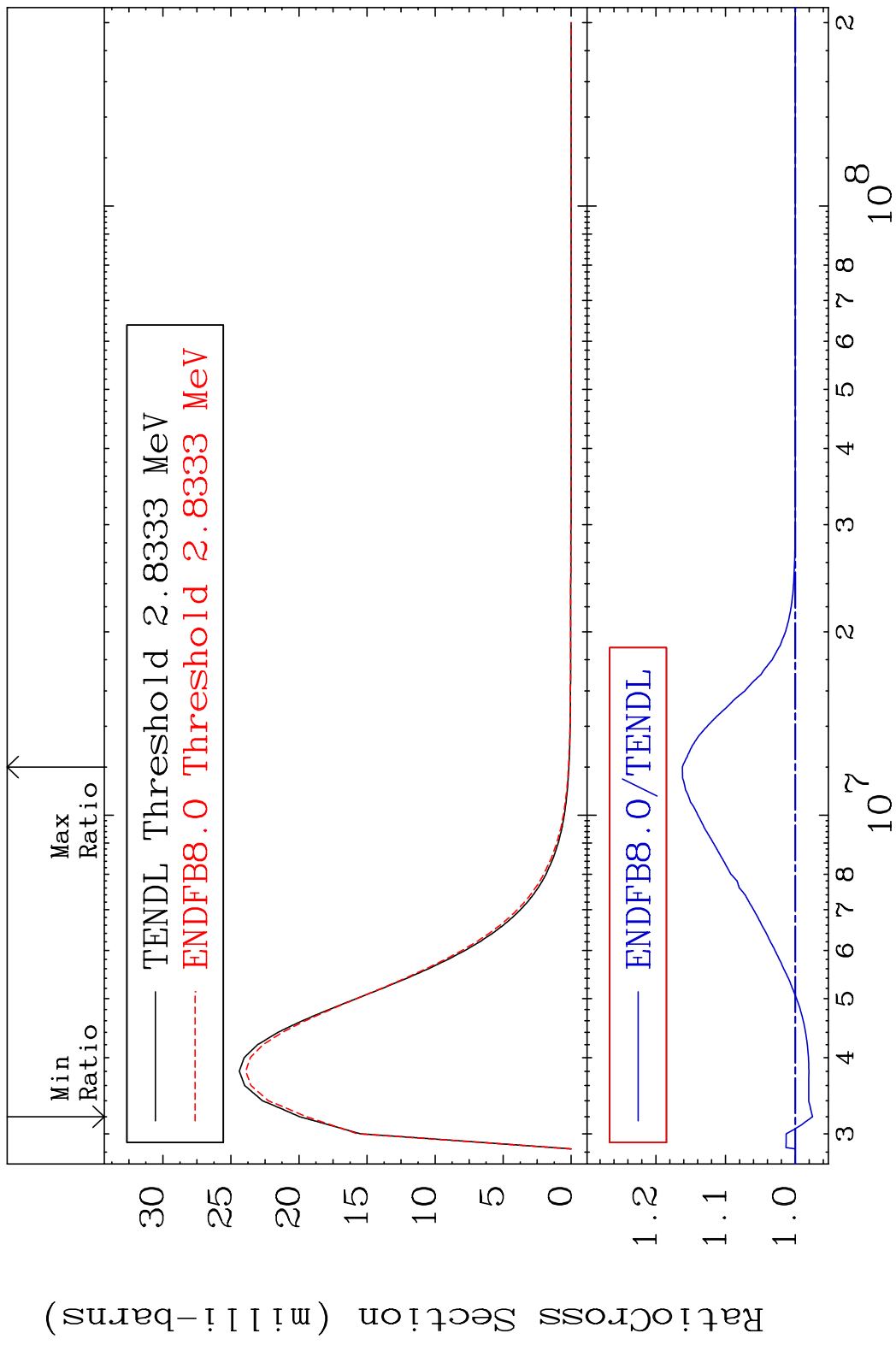
MAT 2040 MT= 65 (n, n') Level 20-Ca-45
 Cross Section -65.42 To 2557. %



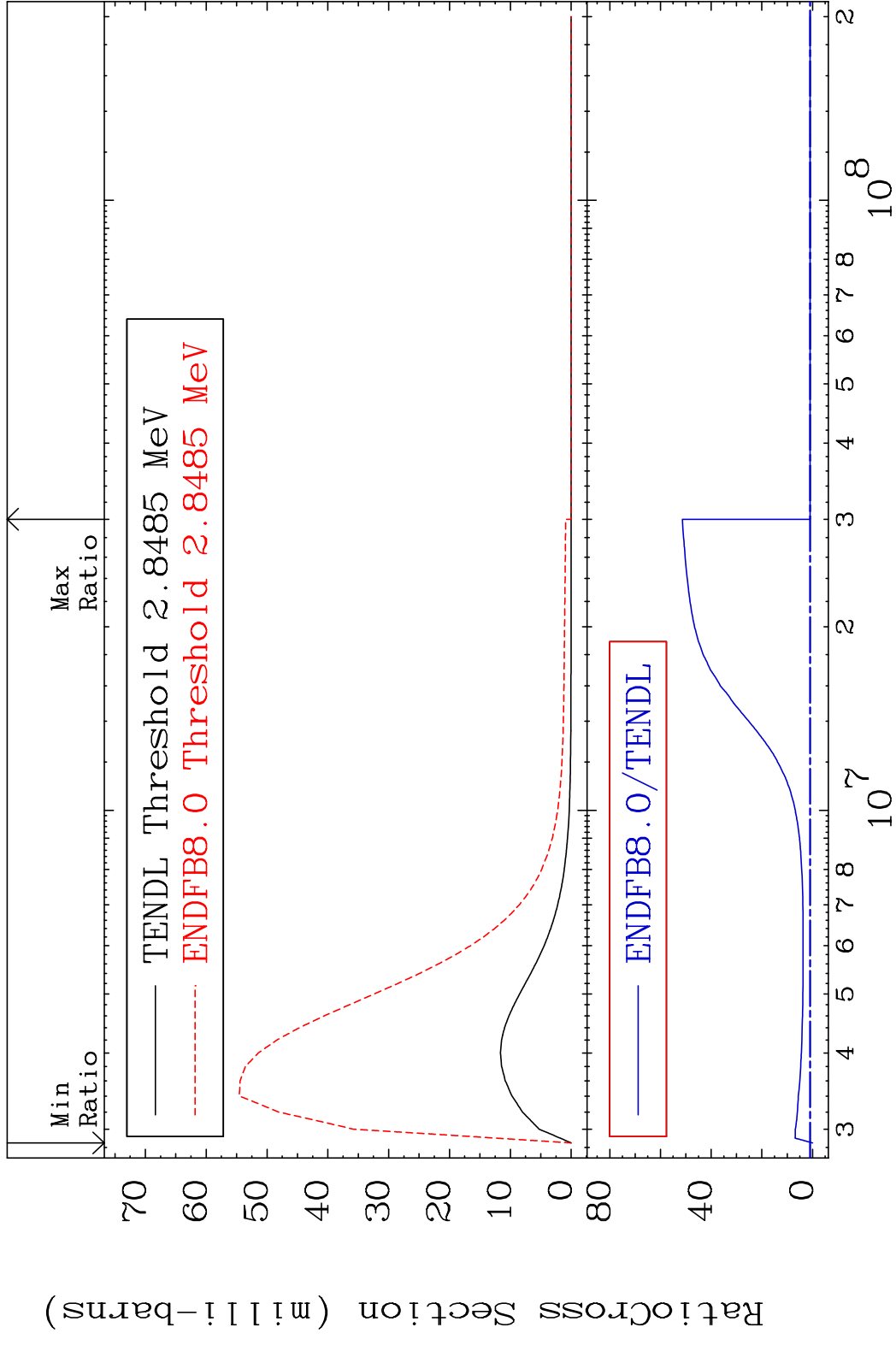
MAT 2040 MT= 66 (n, n') Level 20-Ca-45
 Cross Section -95.13 To 71.83 %



MAT 2040 MT= 67 (n,n') Level 20-Ca-45
 Cross Section -2.467 To 16.20 %

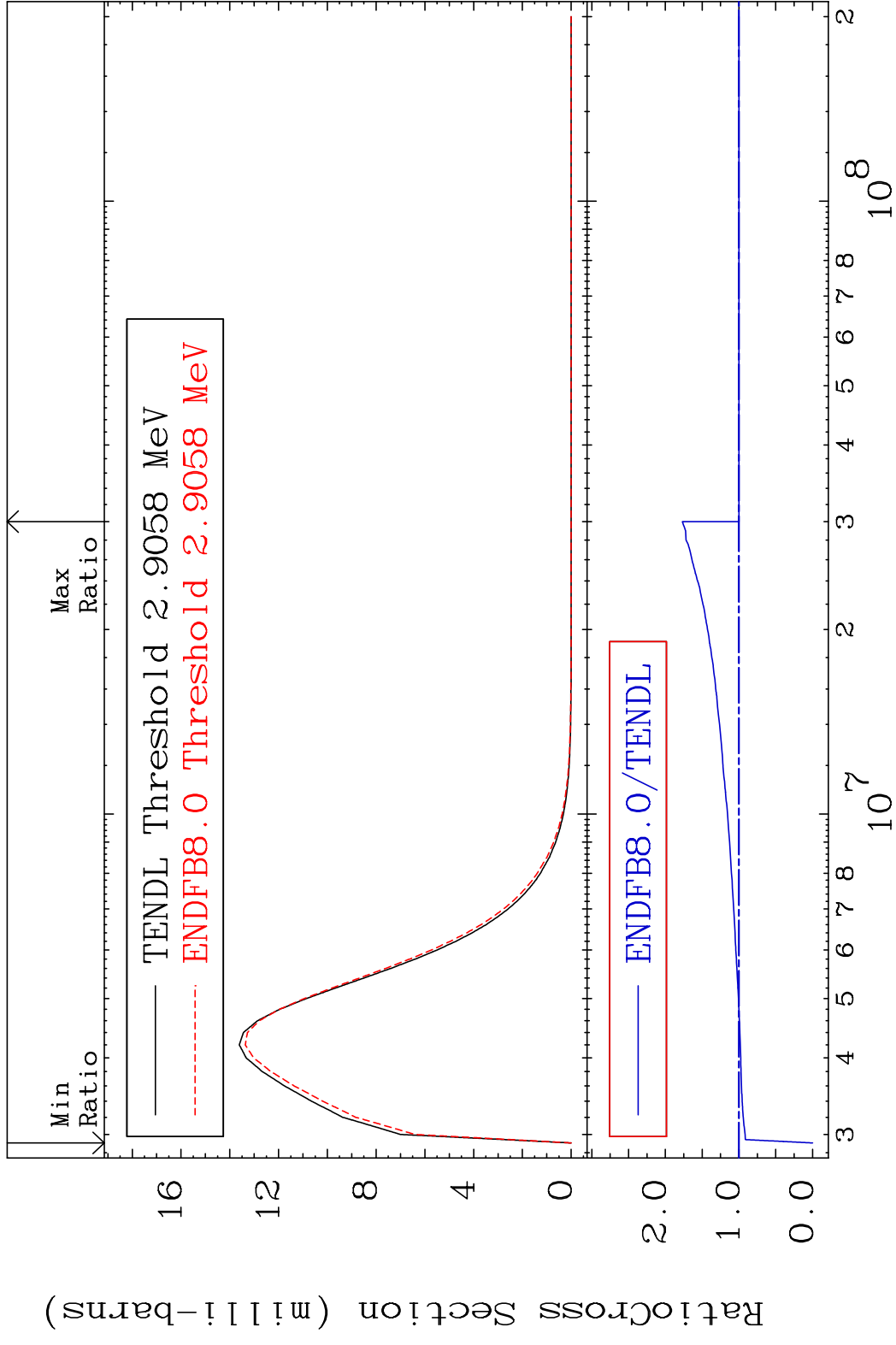


MAT 2040 MT= 68 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 5037. %

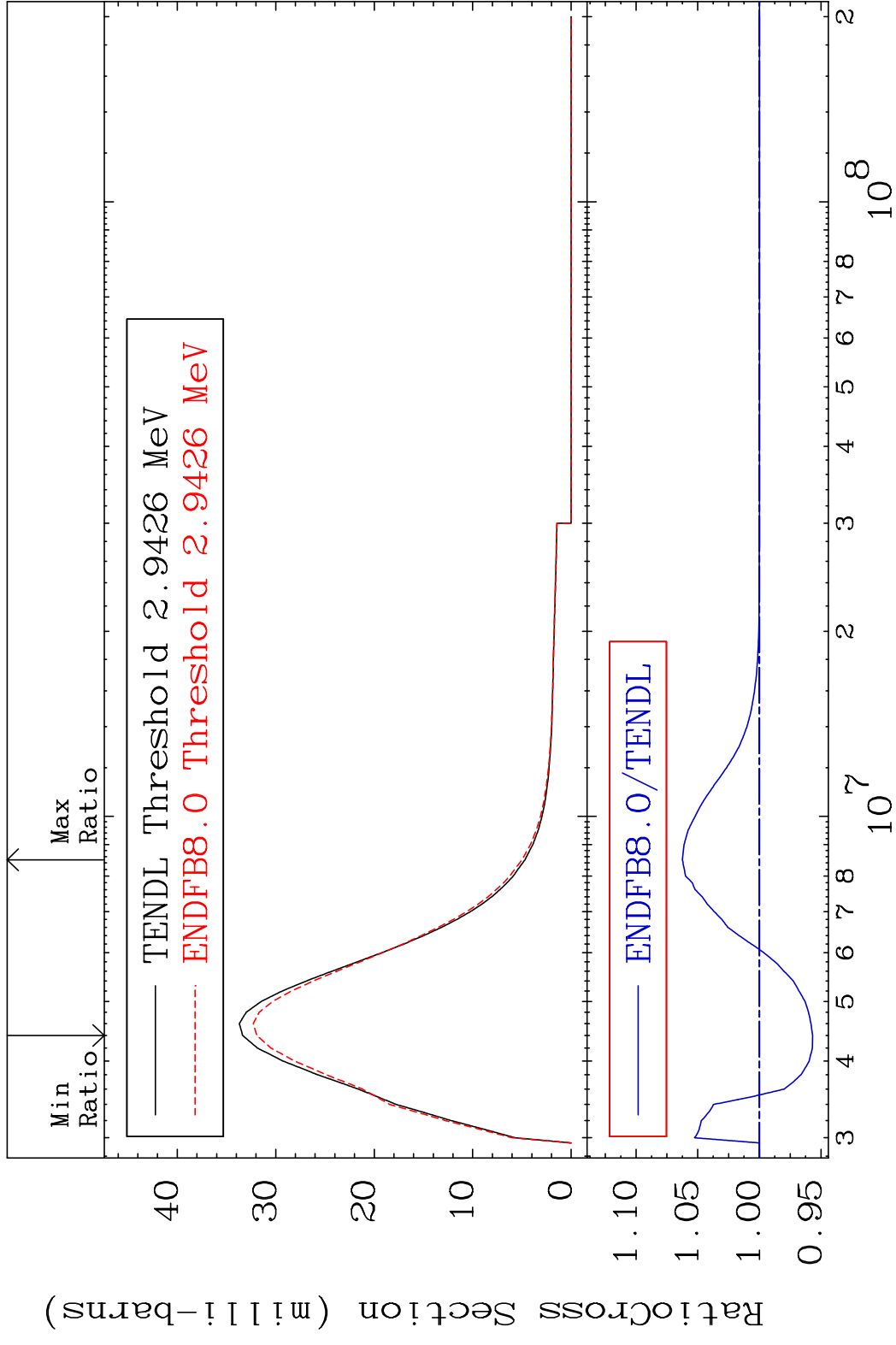


36 Incident Energy (eV) 20-Ca-45

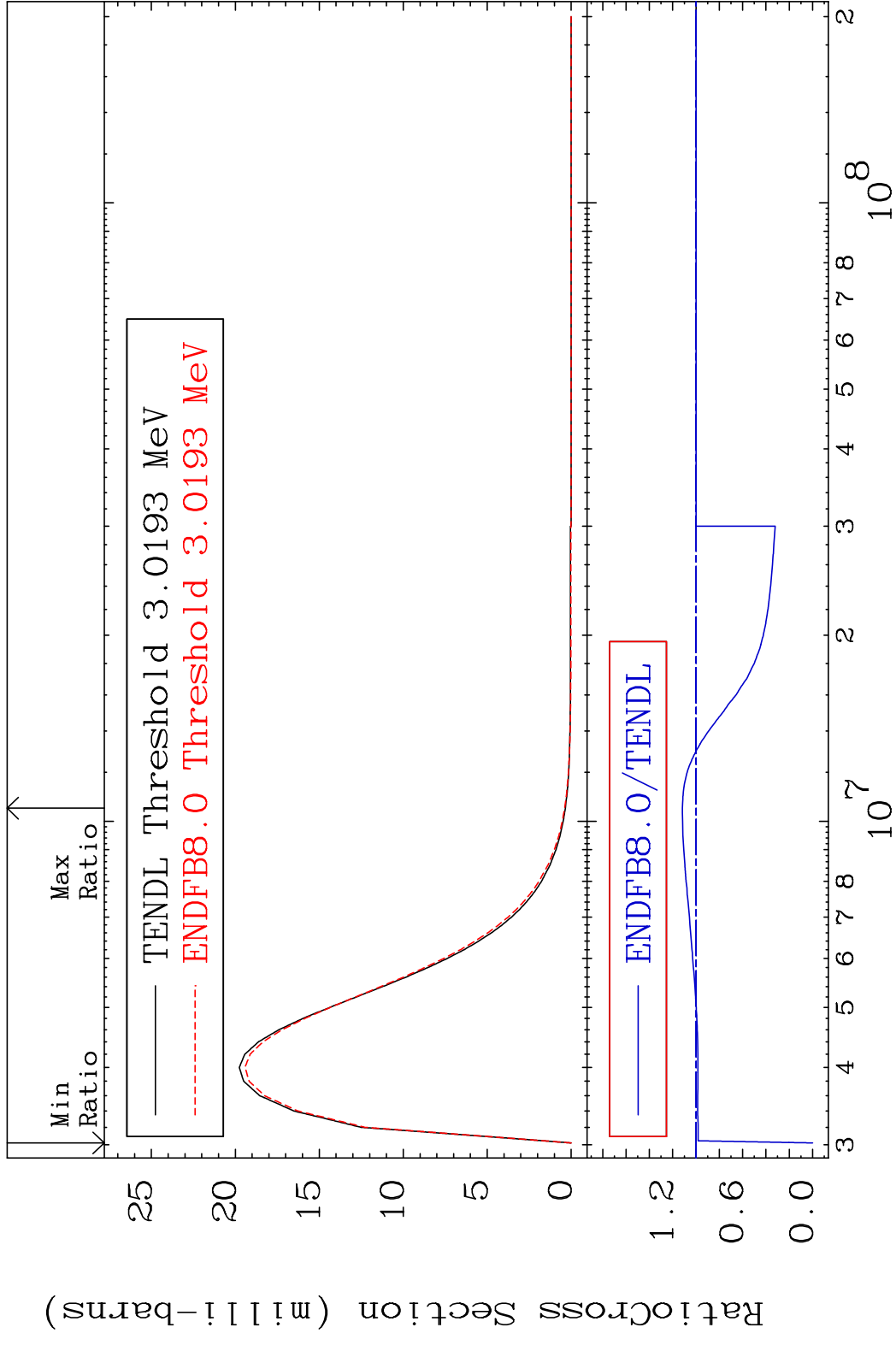
MAT 2040 MT= 69 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 76.94 %



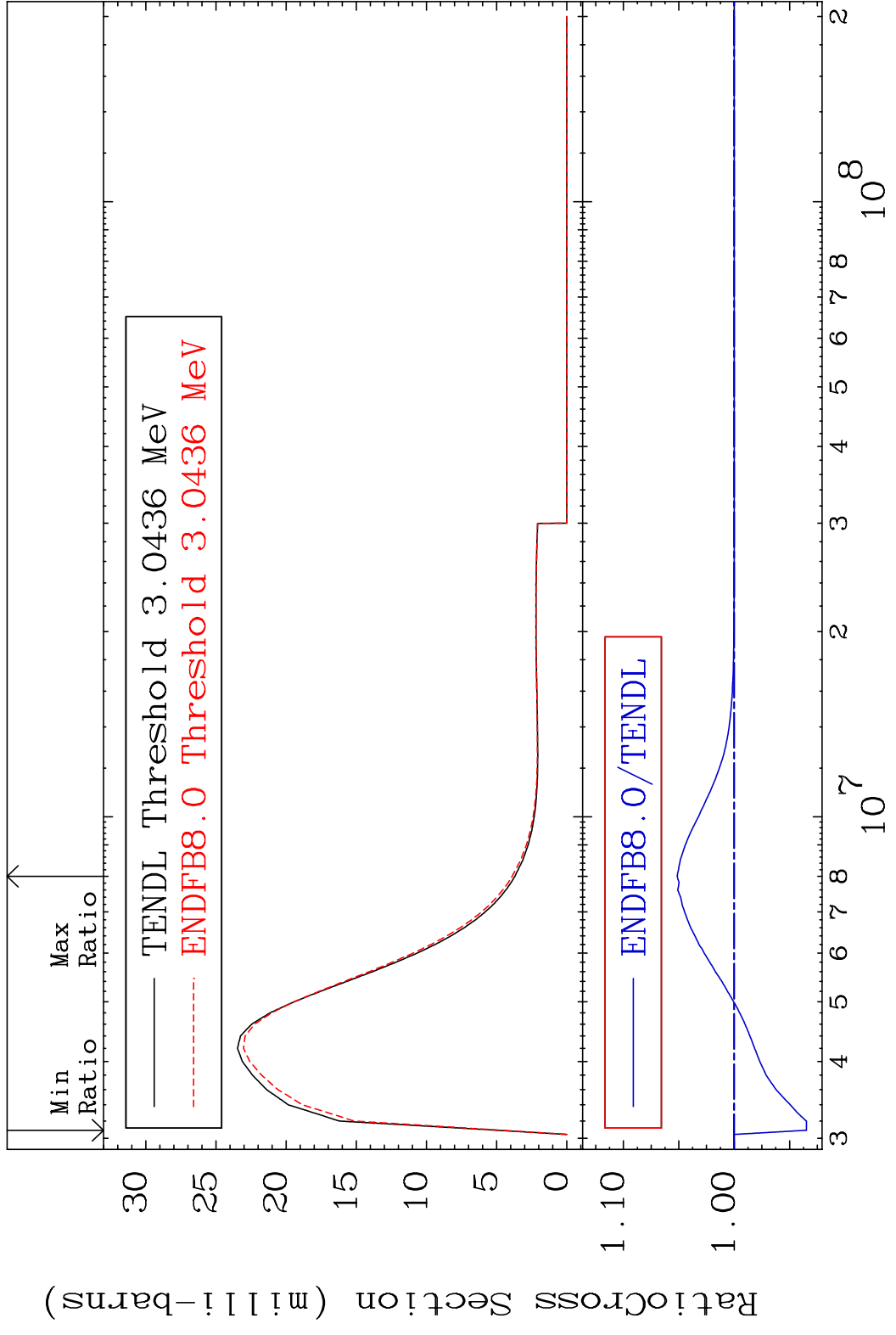
MAT 2040 MT= 70 (n, n') Level 20-Ca-45
 Cross Section -4.315 To 6.251 %



MAT 2040 MT= 71 (n,n') Level 20-Ca-45
 Cross Section -100.0 To 11.70 %

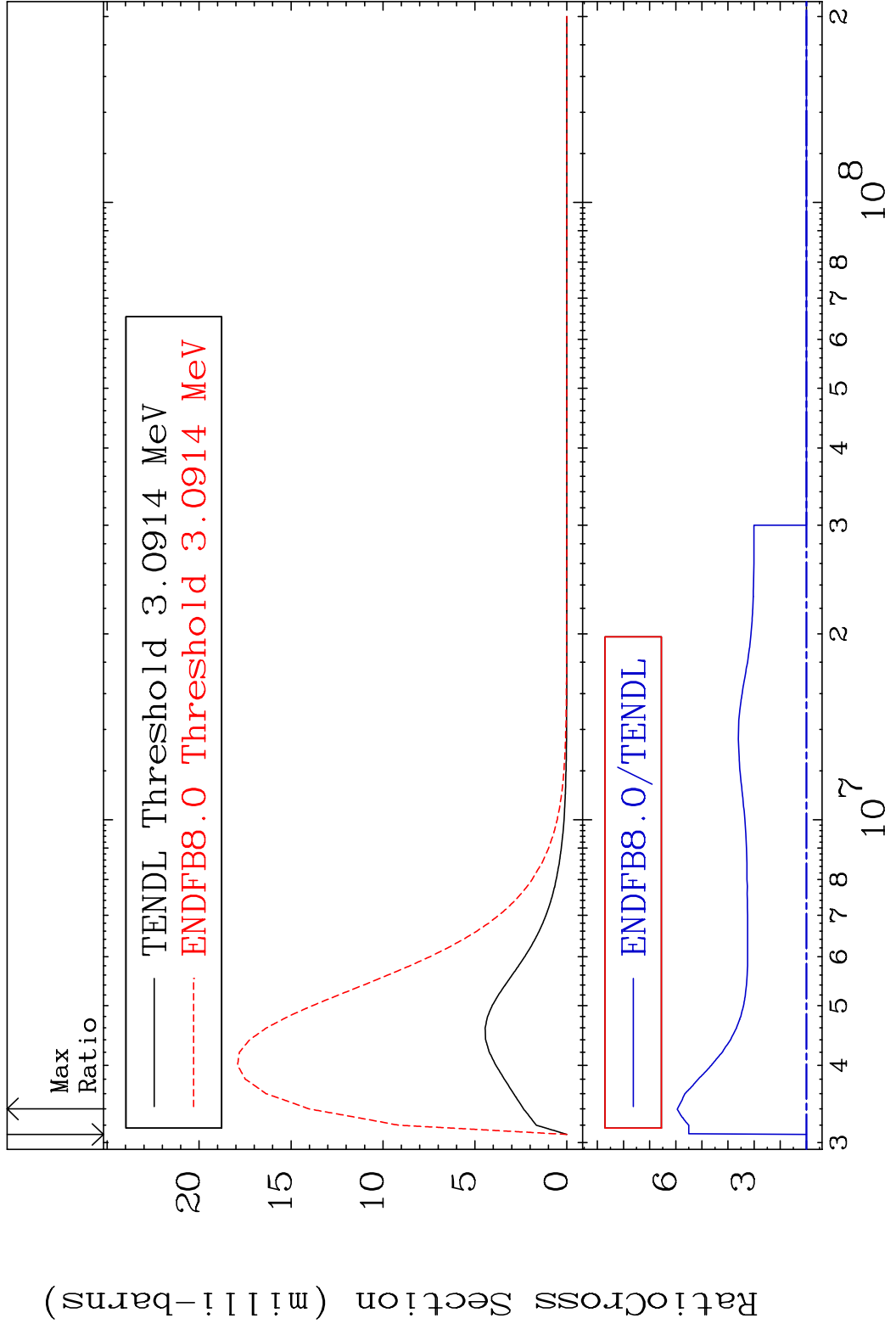


MAT 2040 MT= 72 (n,n') Level 20-Ca-45
 Cross Section -6.517 To 5.148 %

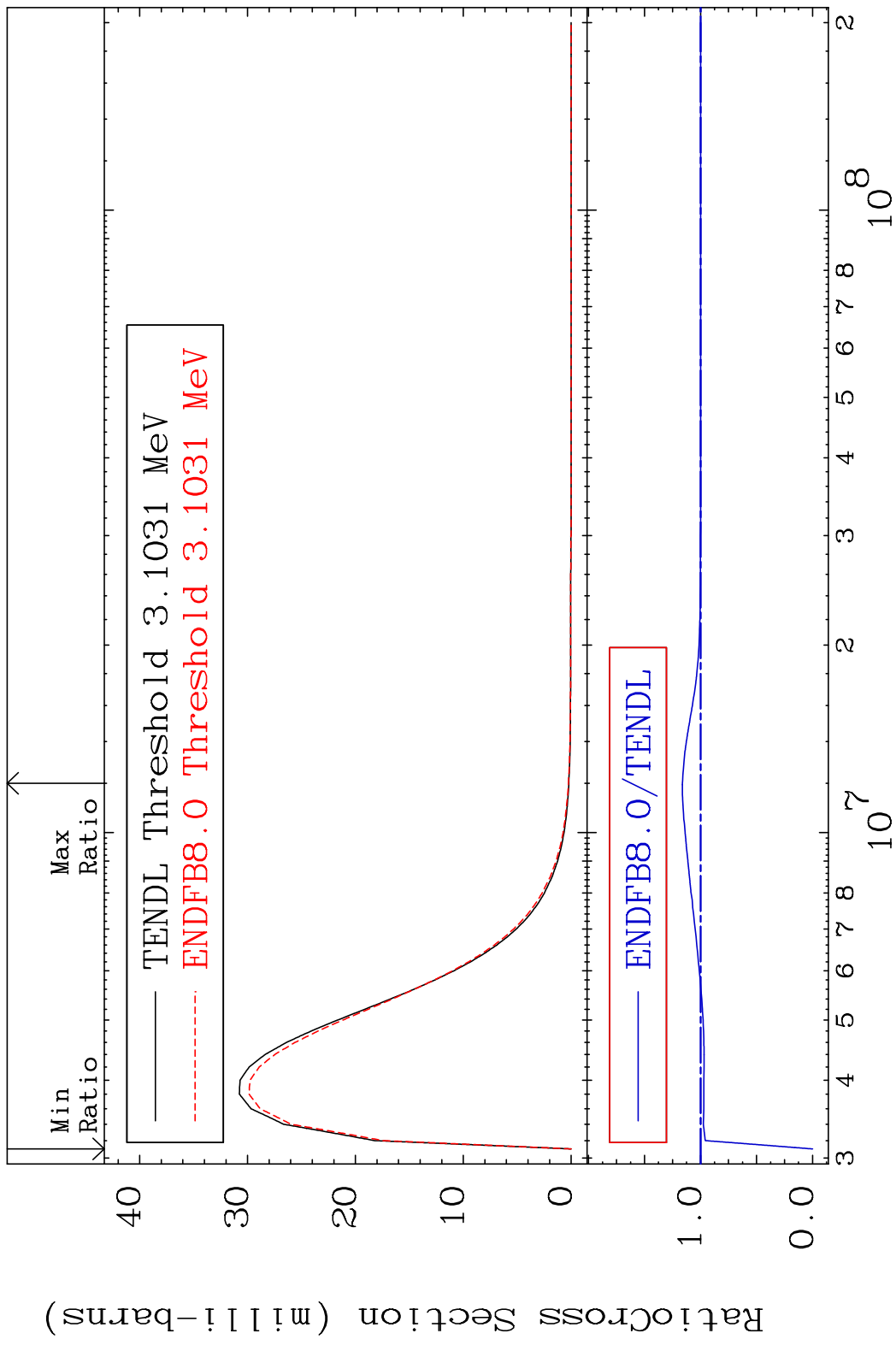


40 Incident Energy (eV) 20-Ca-45

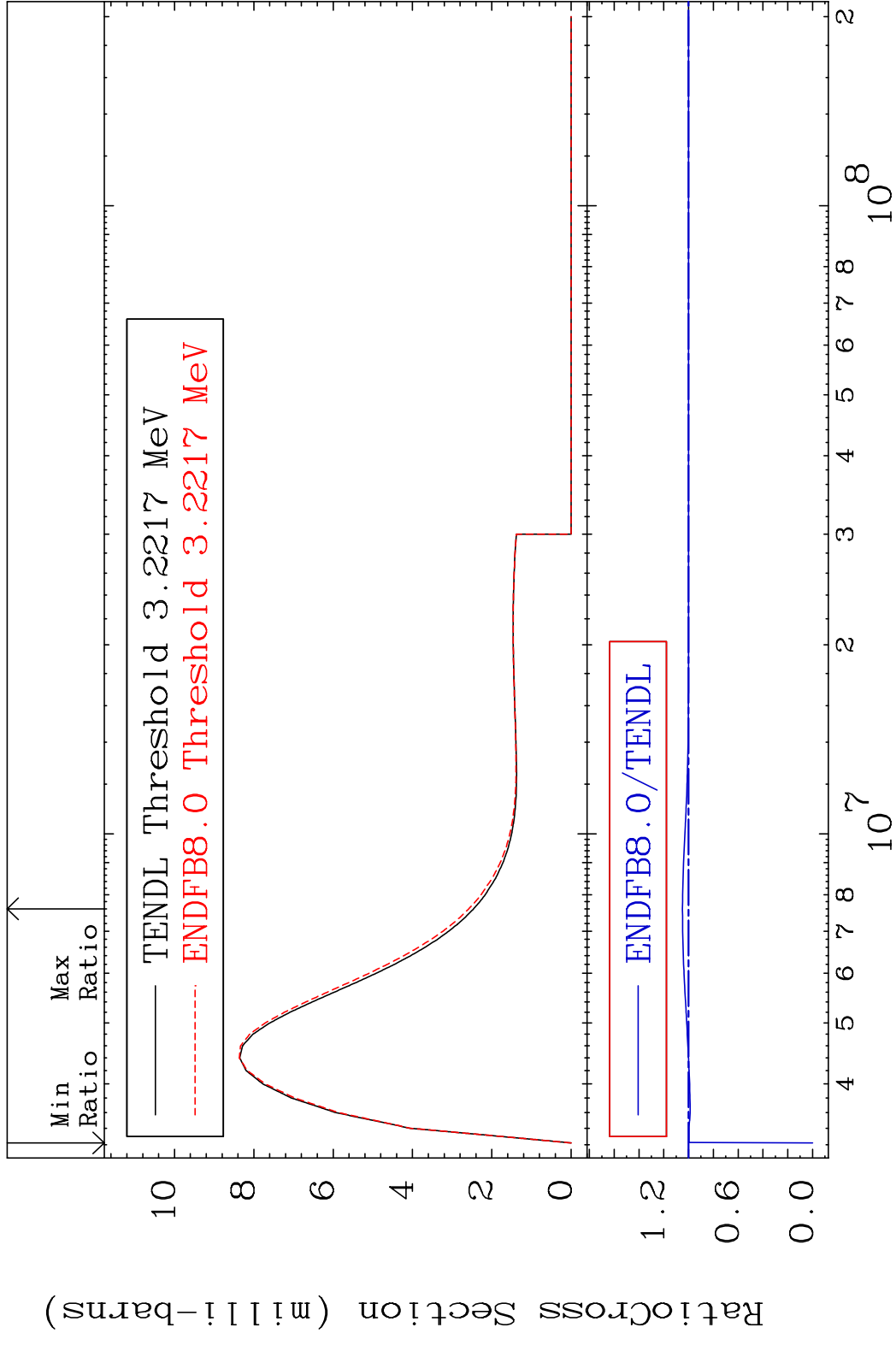
MAT 2040 MT= 73 (n, n') Level 20-Ca-45
 Cross Section 0.000 To 494.5 %



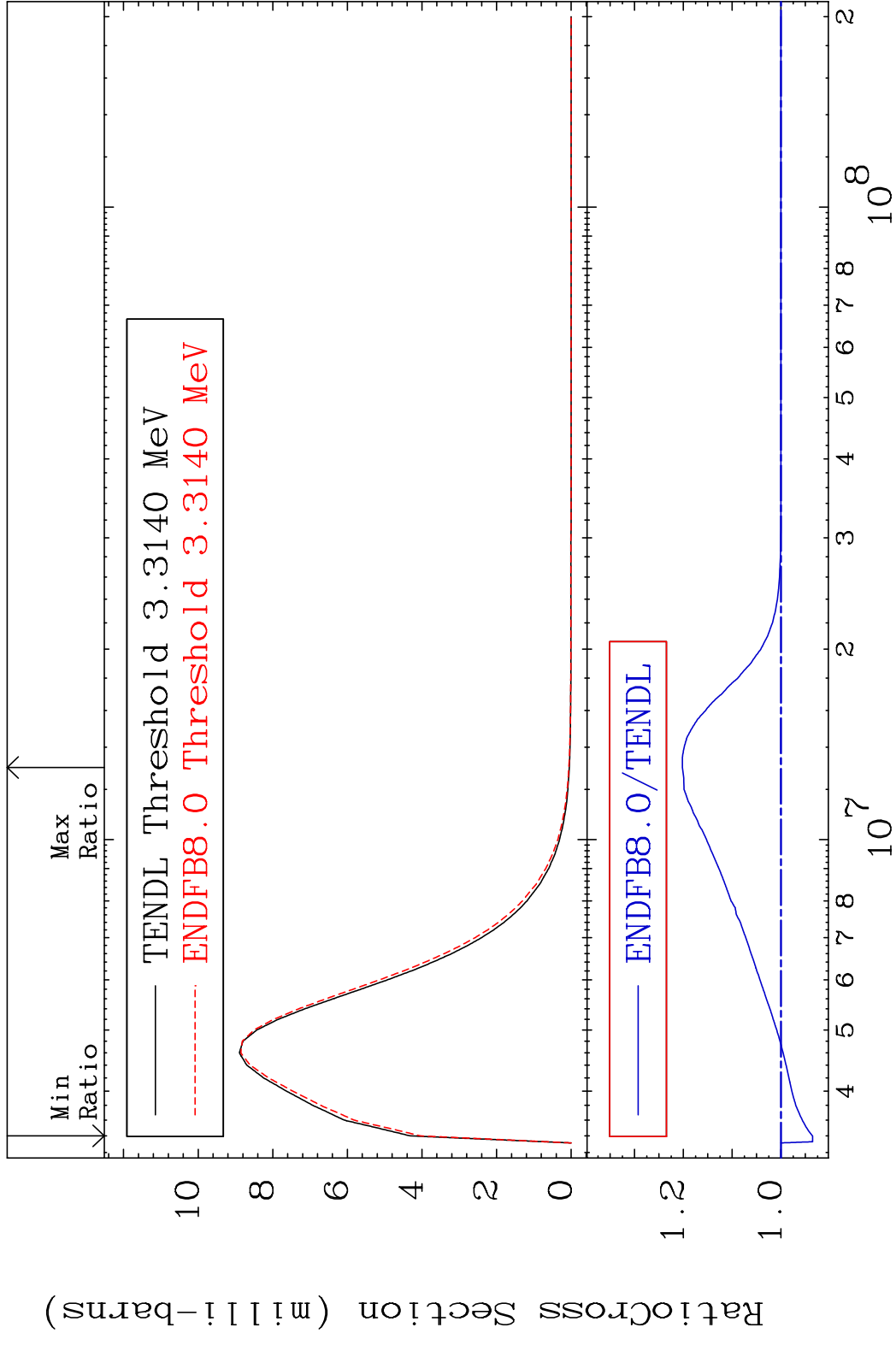
MAT 2040 MT= 74 (n,n') Level 20-Ca-45
 Cross Section -100.0 To 16.23 %



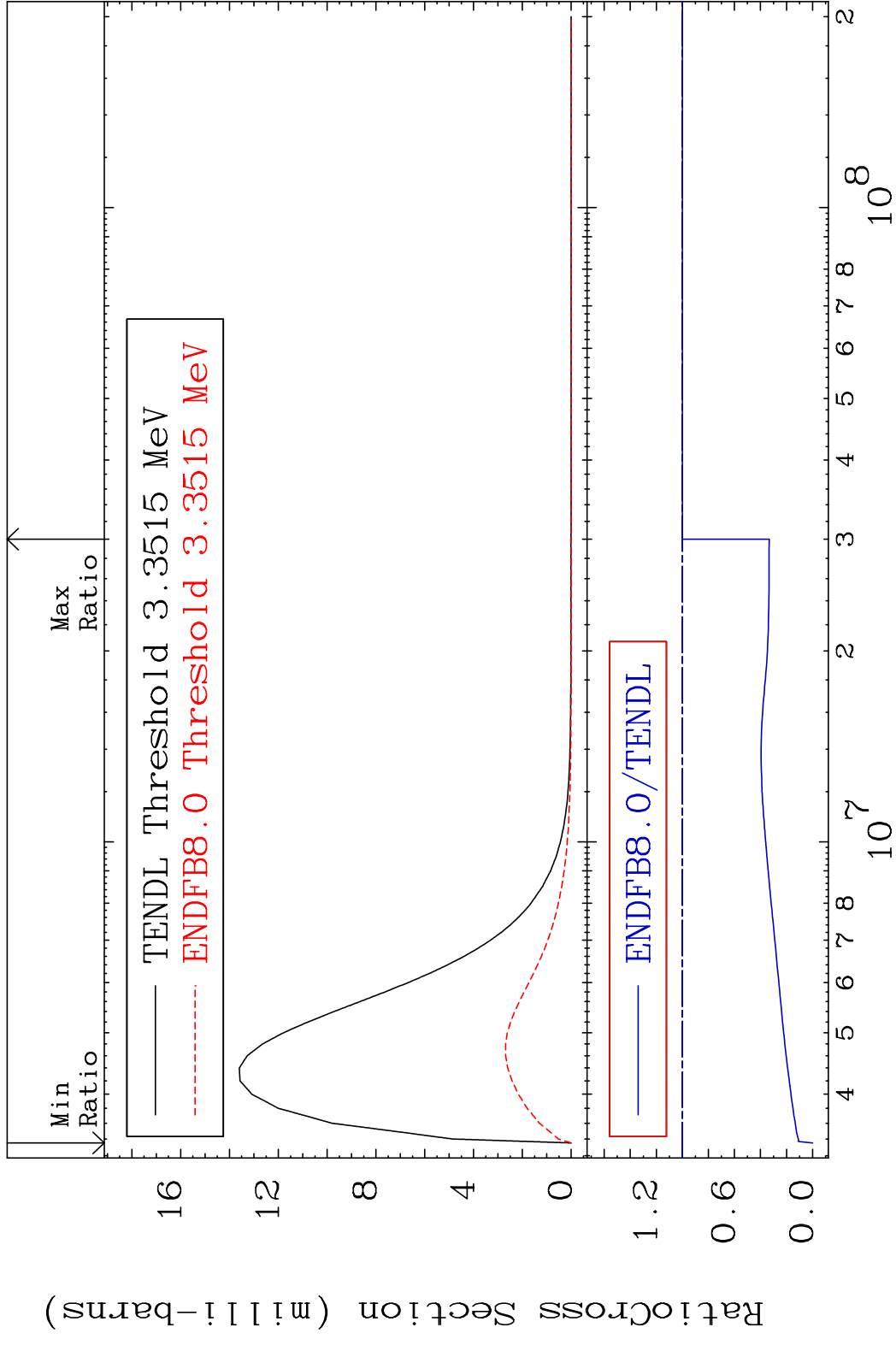
MAT 2040 MT= 75 (n,n') Level 20-Ca-45
 Cross Section -100.0 To 5.018 %



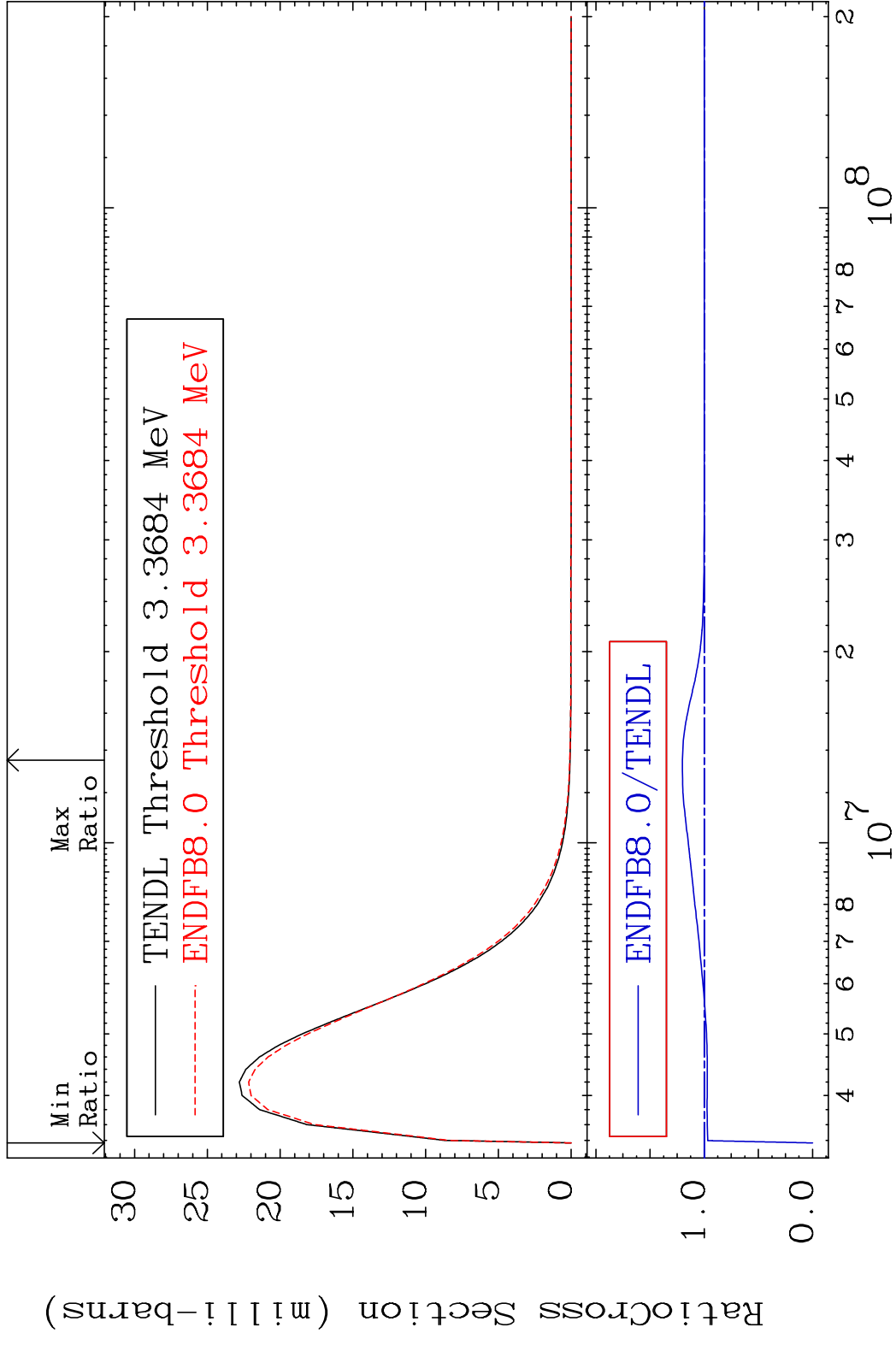
MAT 2040 MT= 76 (n,n') Level 20-Ca-45
 Cross Section -6.462 To 20.20 %



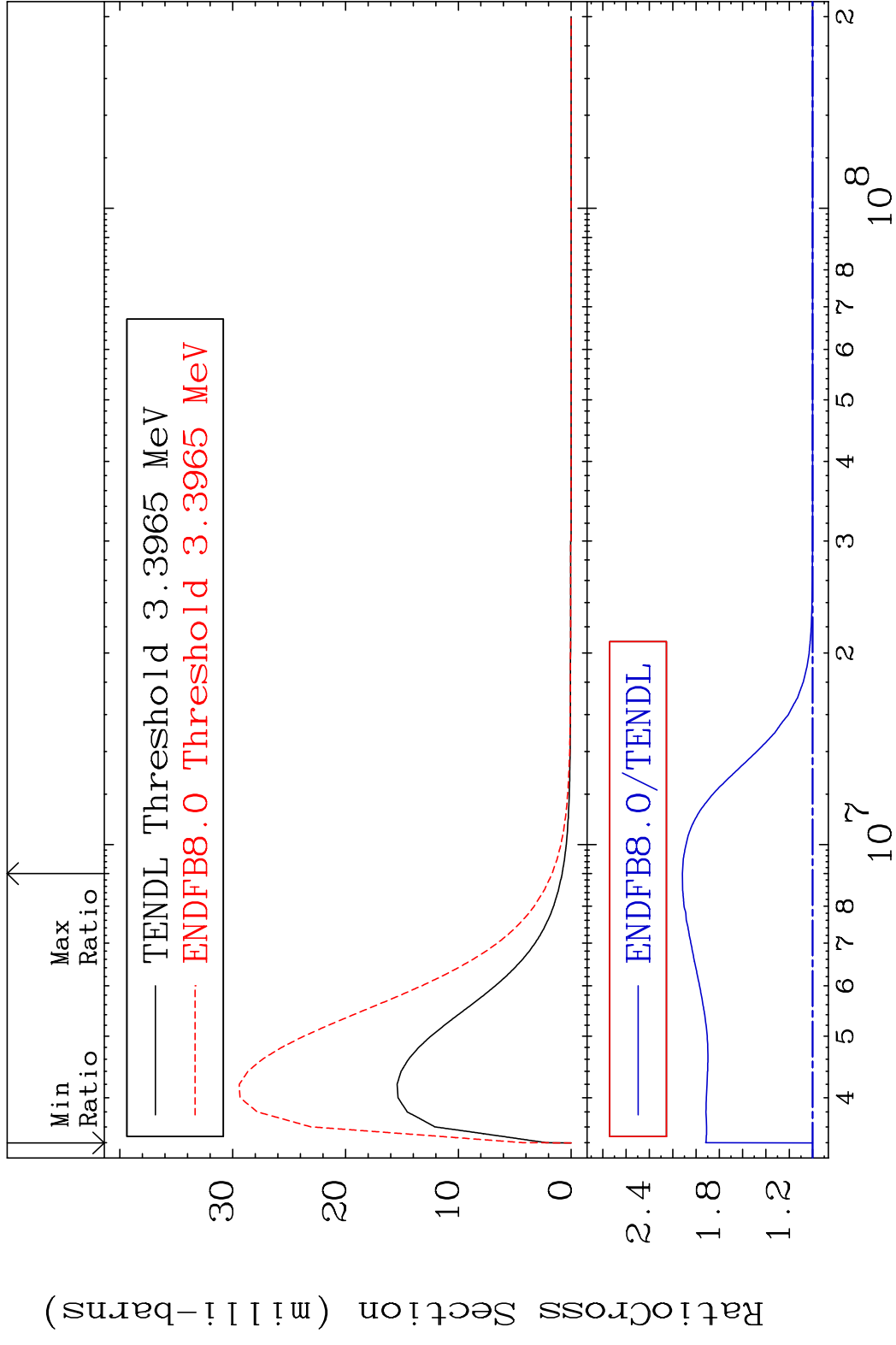
MAT 2040 MT= 77 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 0.000 %



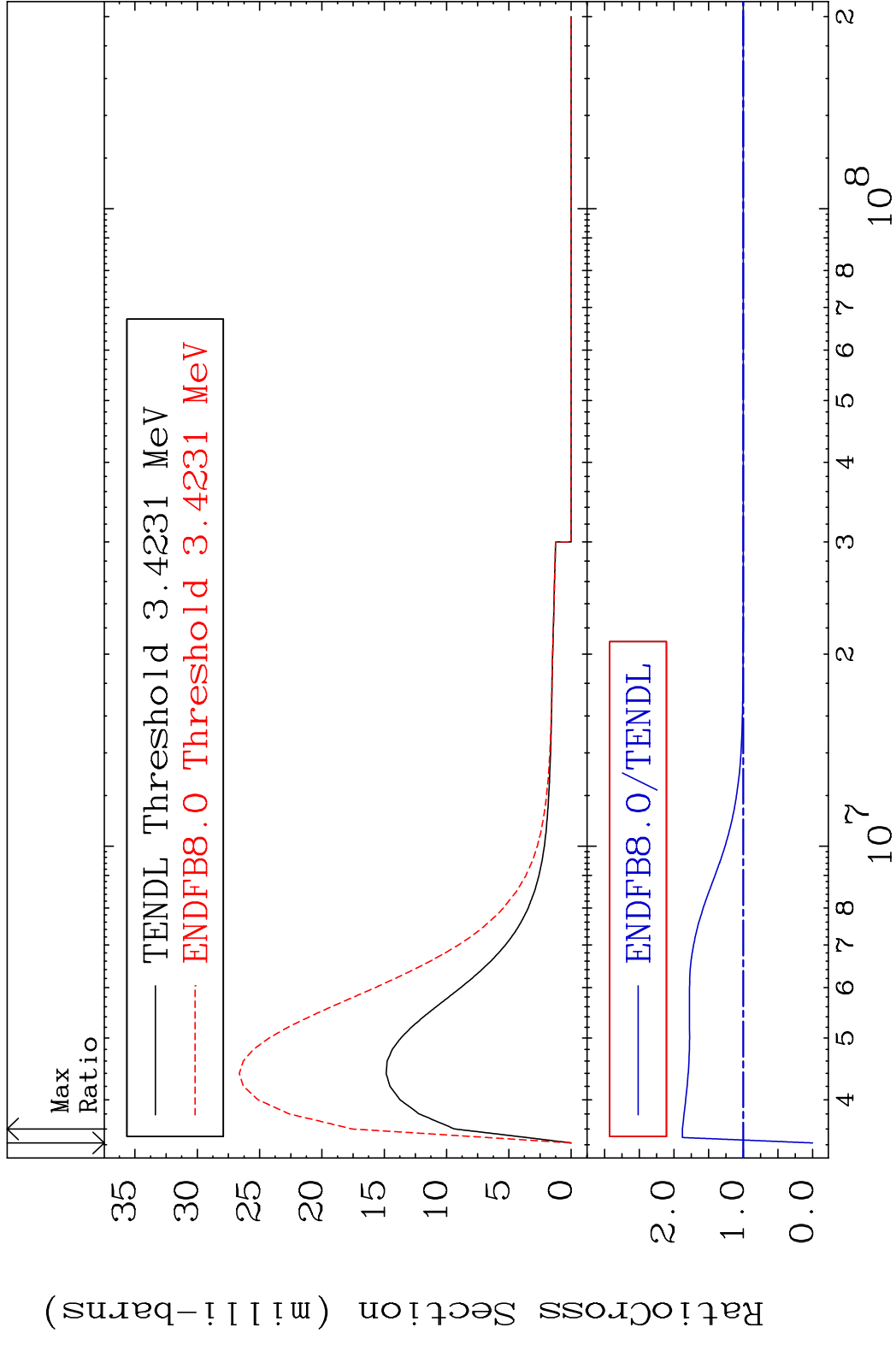
MAT 2040 MT= 78 (n,n') Level 20-Ca-45
 Cross Section -100.0 To 20.17 %



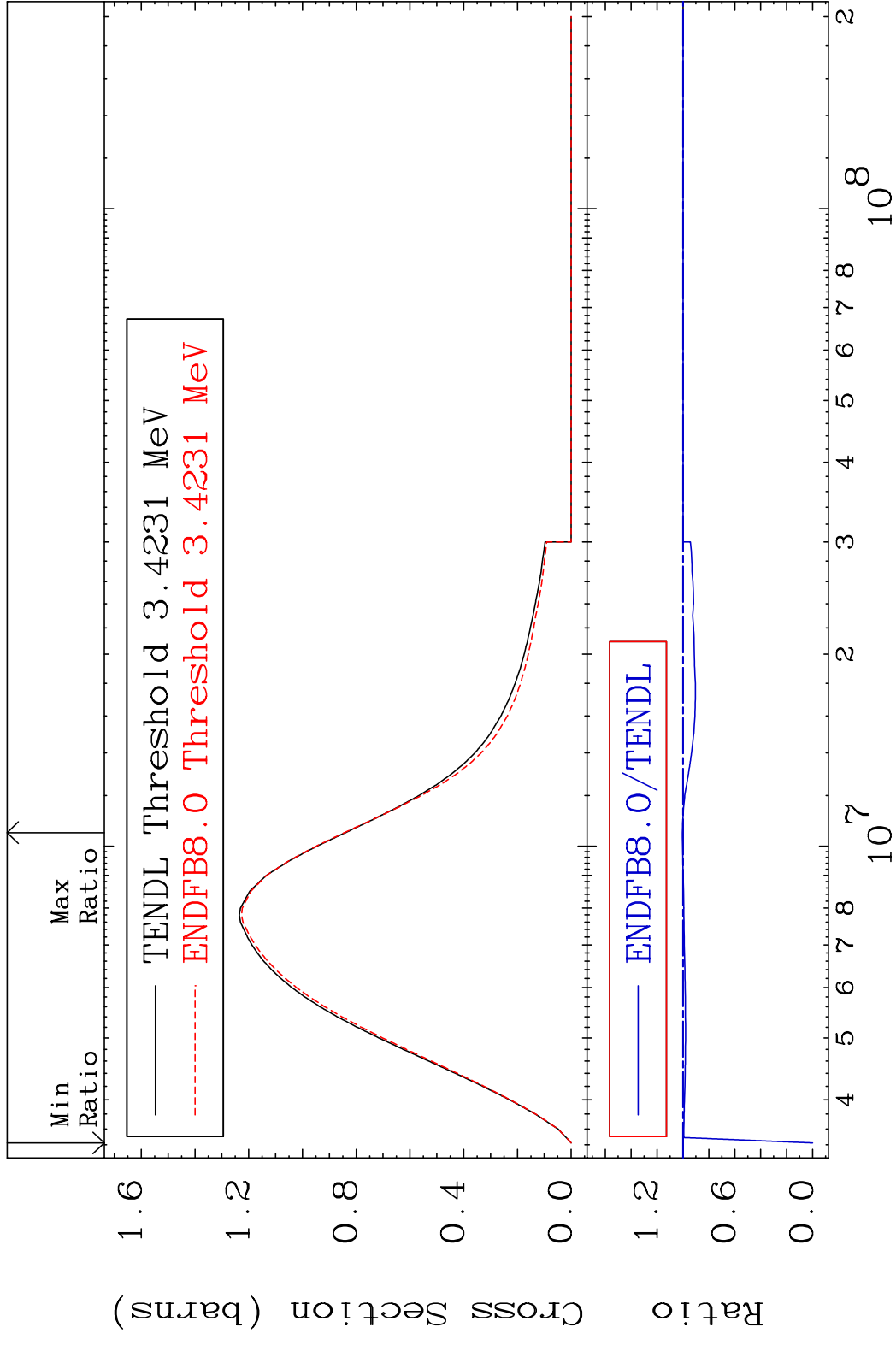
MAT 2040 MT= 79 (n,n') Level 20-Ca-45
 Cross Section 0.000 To 111.7 %



MAT 2040 MT= 80 (n, n') Level 20-Ca-45
 Cross Section -100.0 To 87.75 %

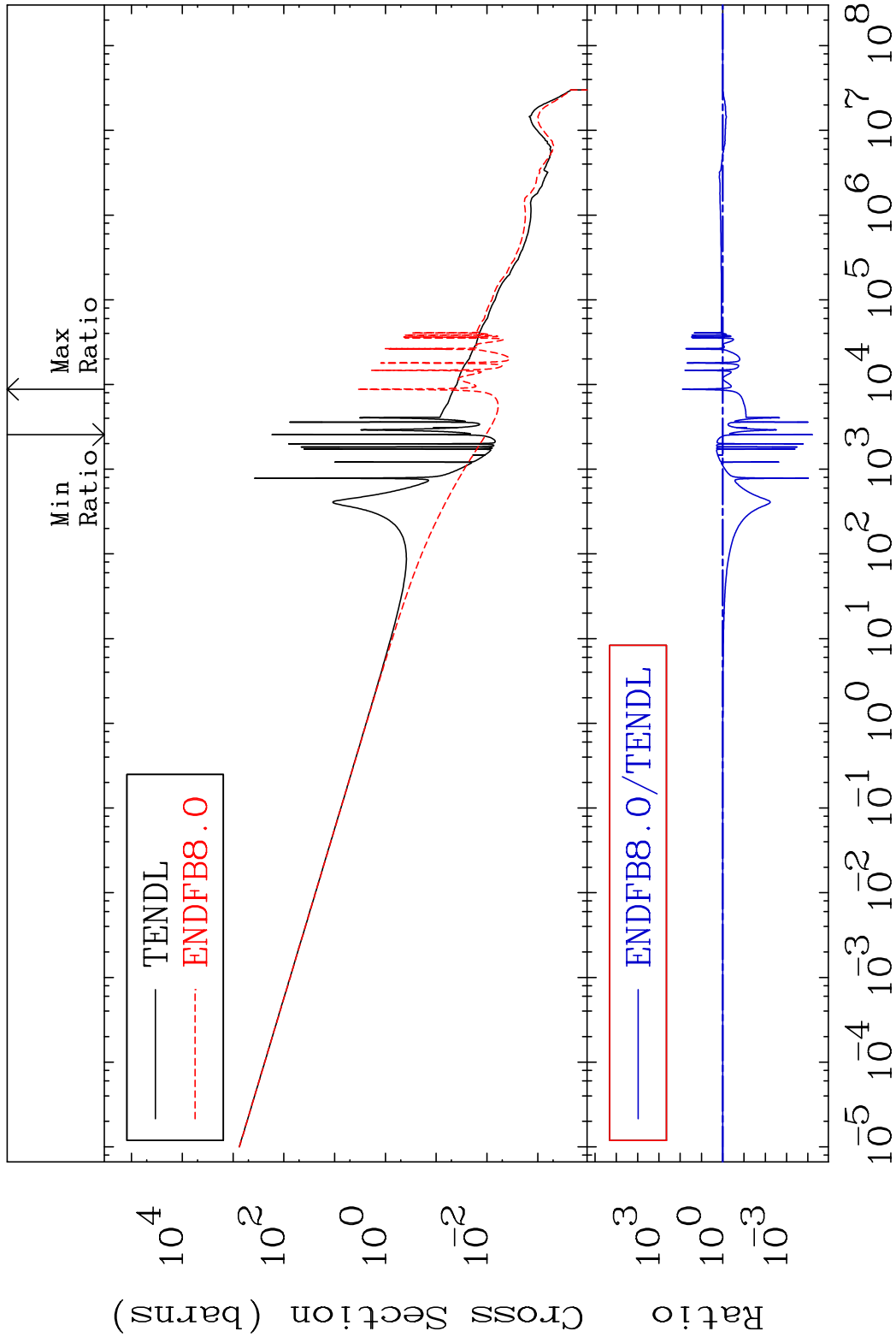


MAT 2040 (n,n') Continuum 20-Ca-45
 Cross Section -100.0 To 0.472 %



MAT 2040

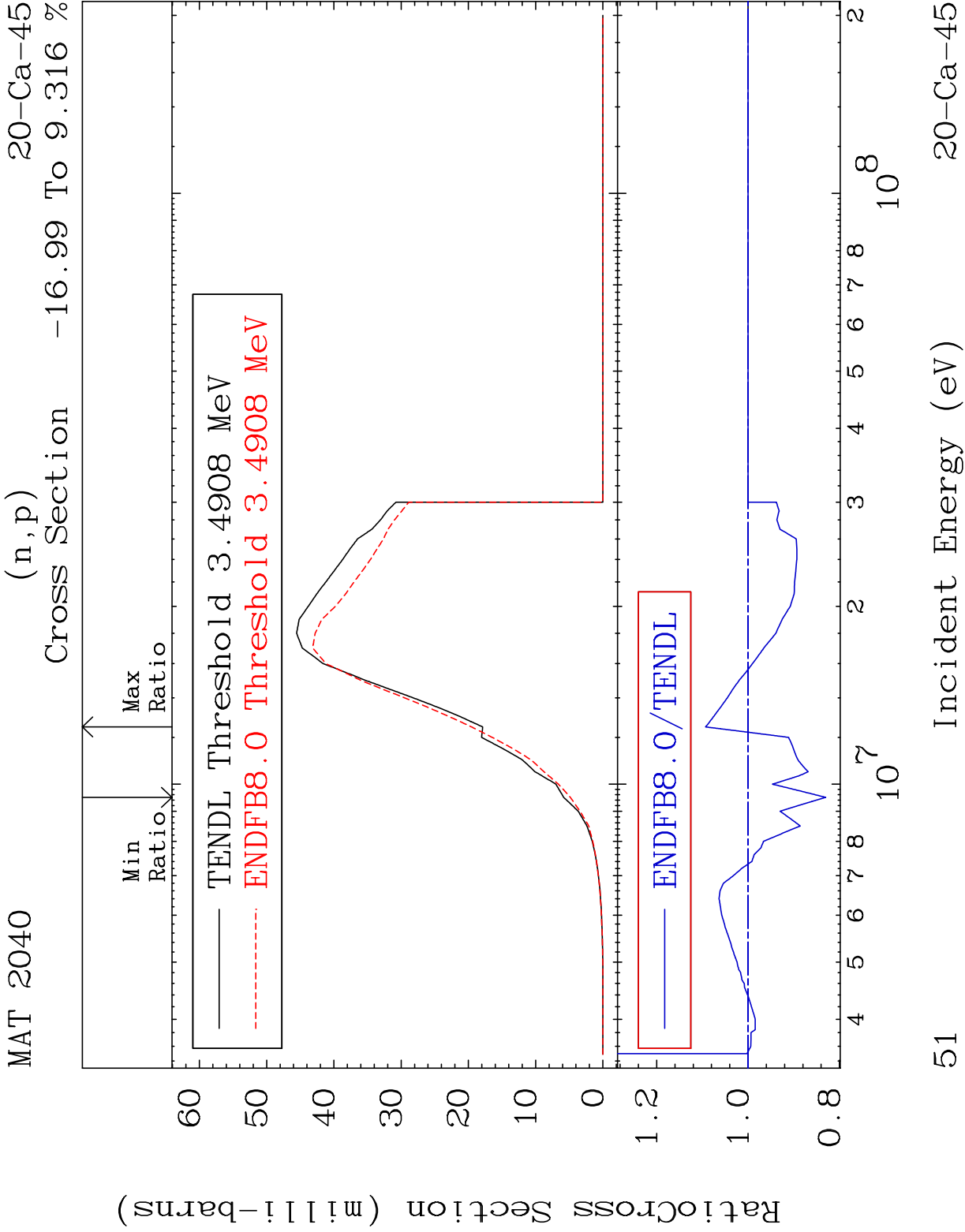
(n, γ)
Cross Section -99.99 To 7814. %
20-Ca-45



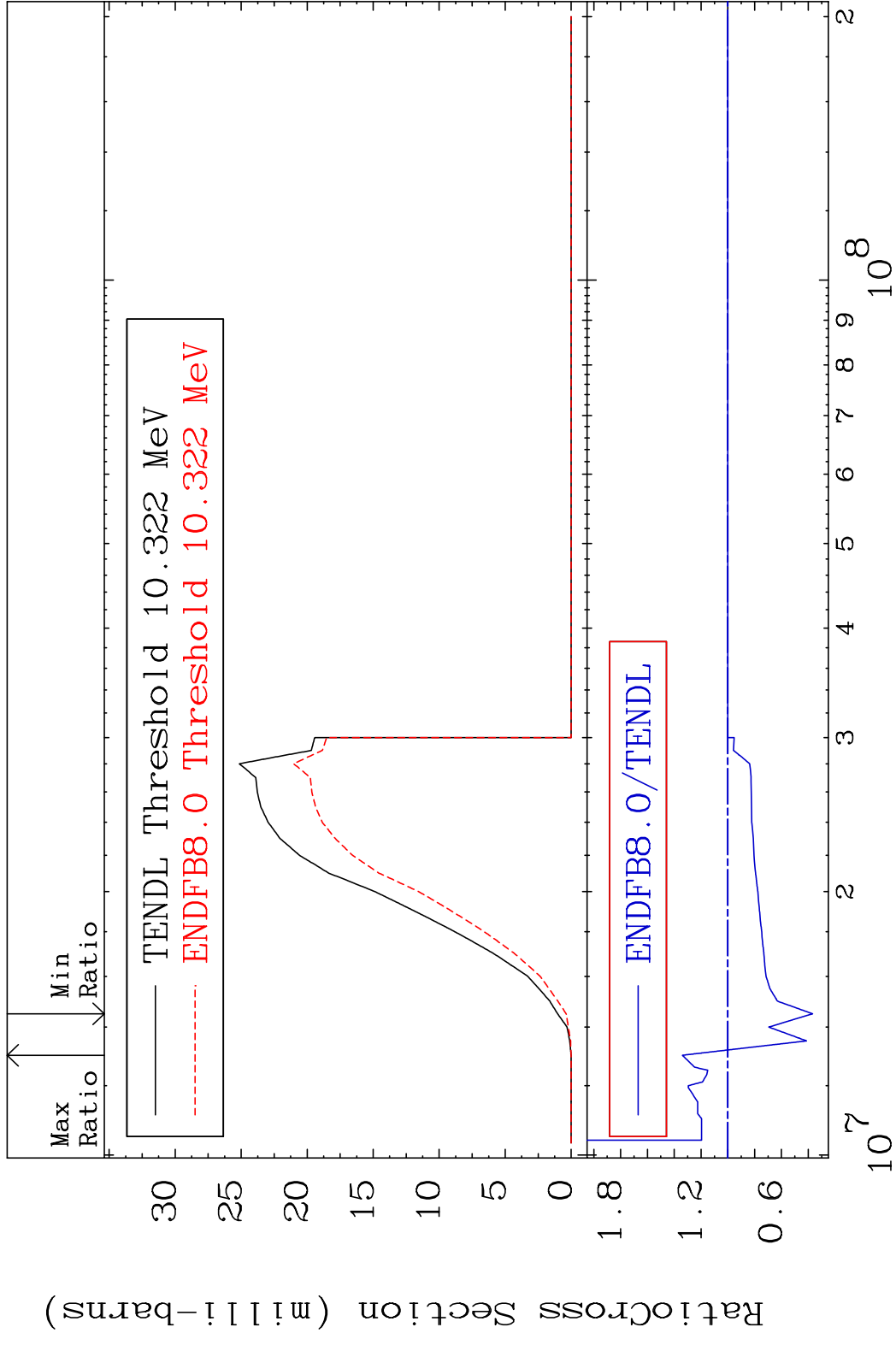
50

Incident Energy (eV)

20-Ca-45

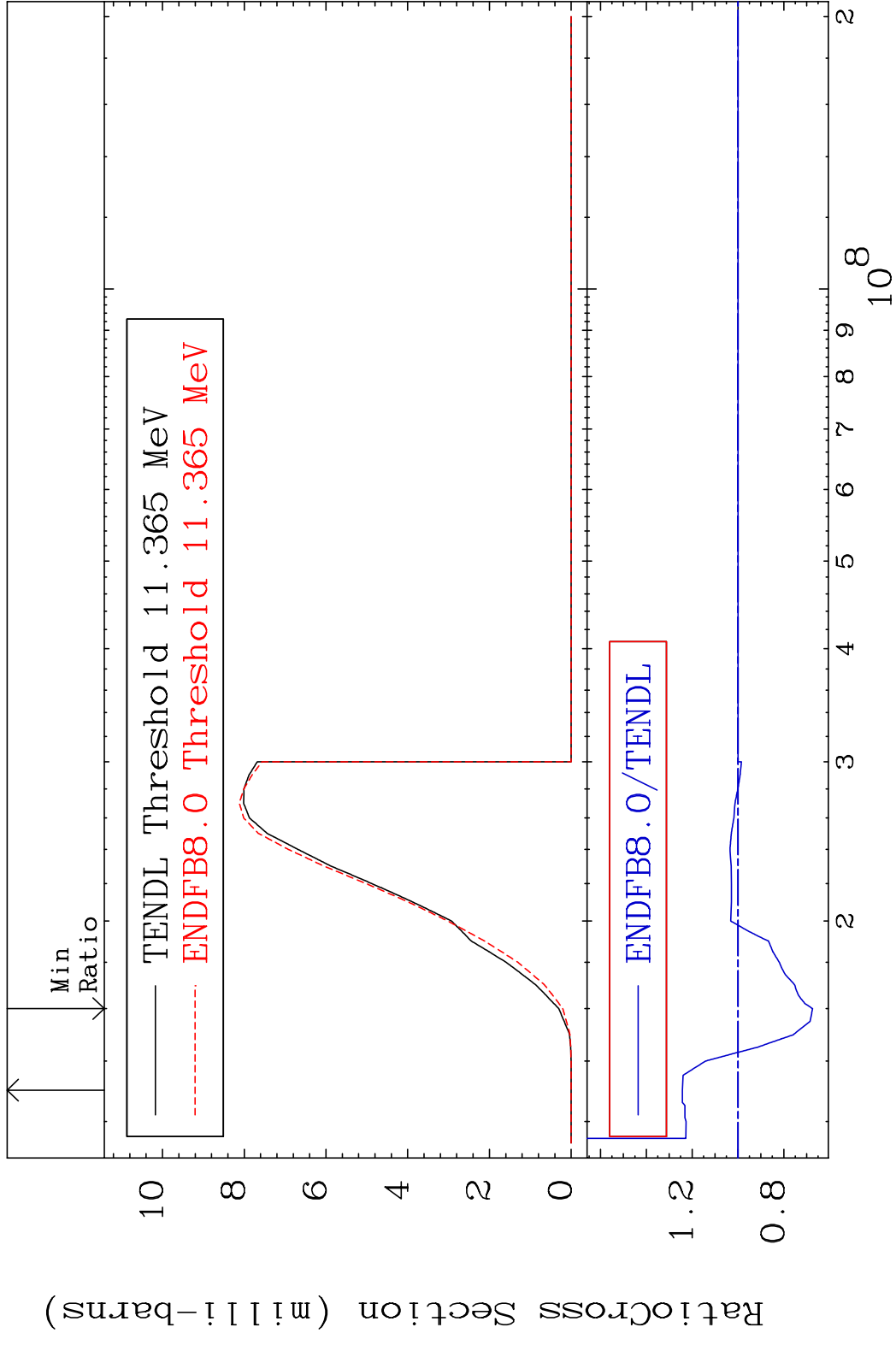


MAT 2040 (n,d) 20-Ca-45
 Cross Section -63.19 To 33.94 %

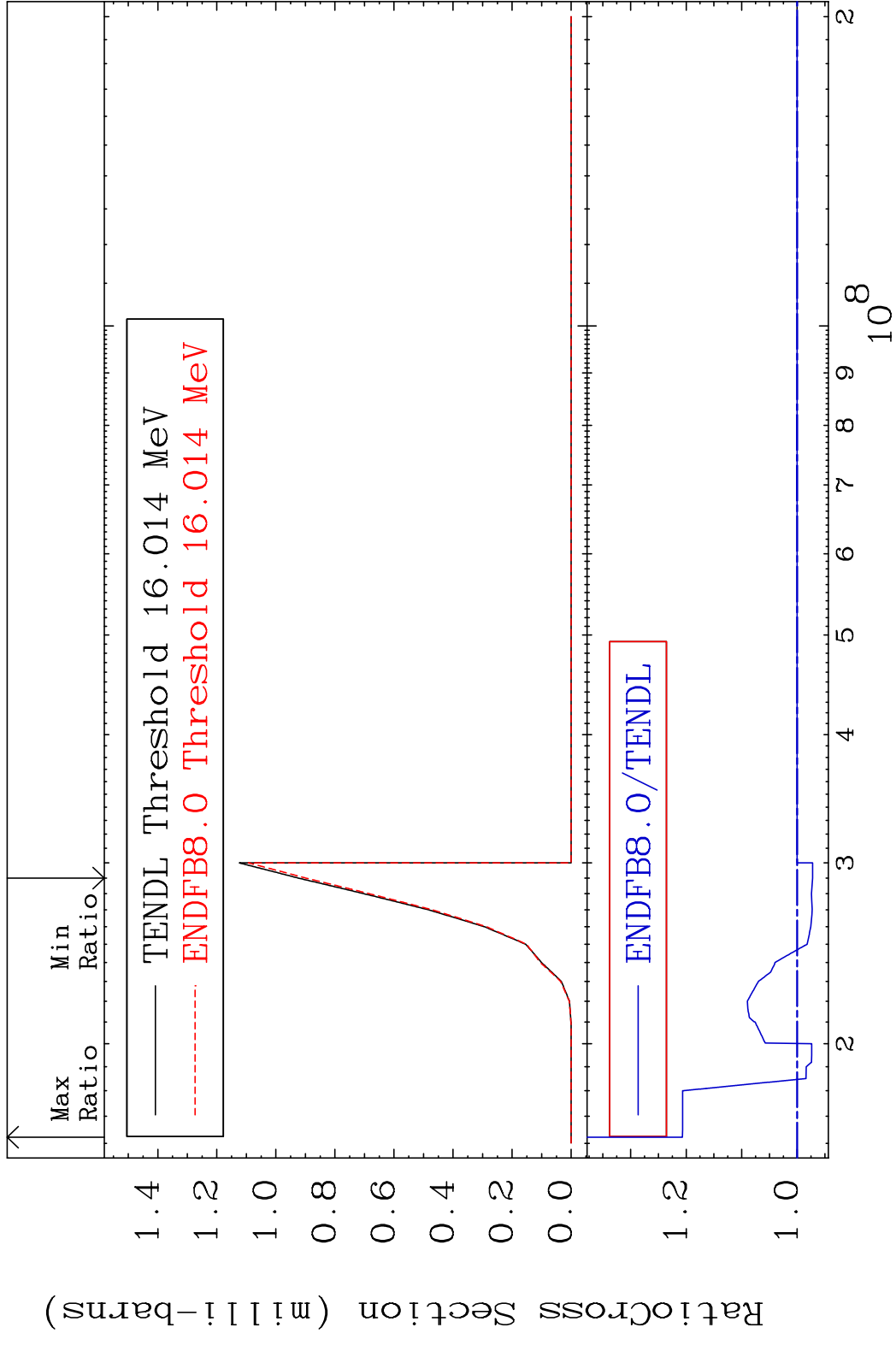


52 Incident Energy (eV) 20-Ca-45

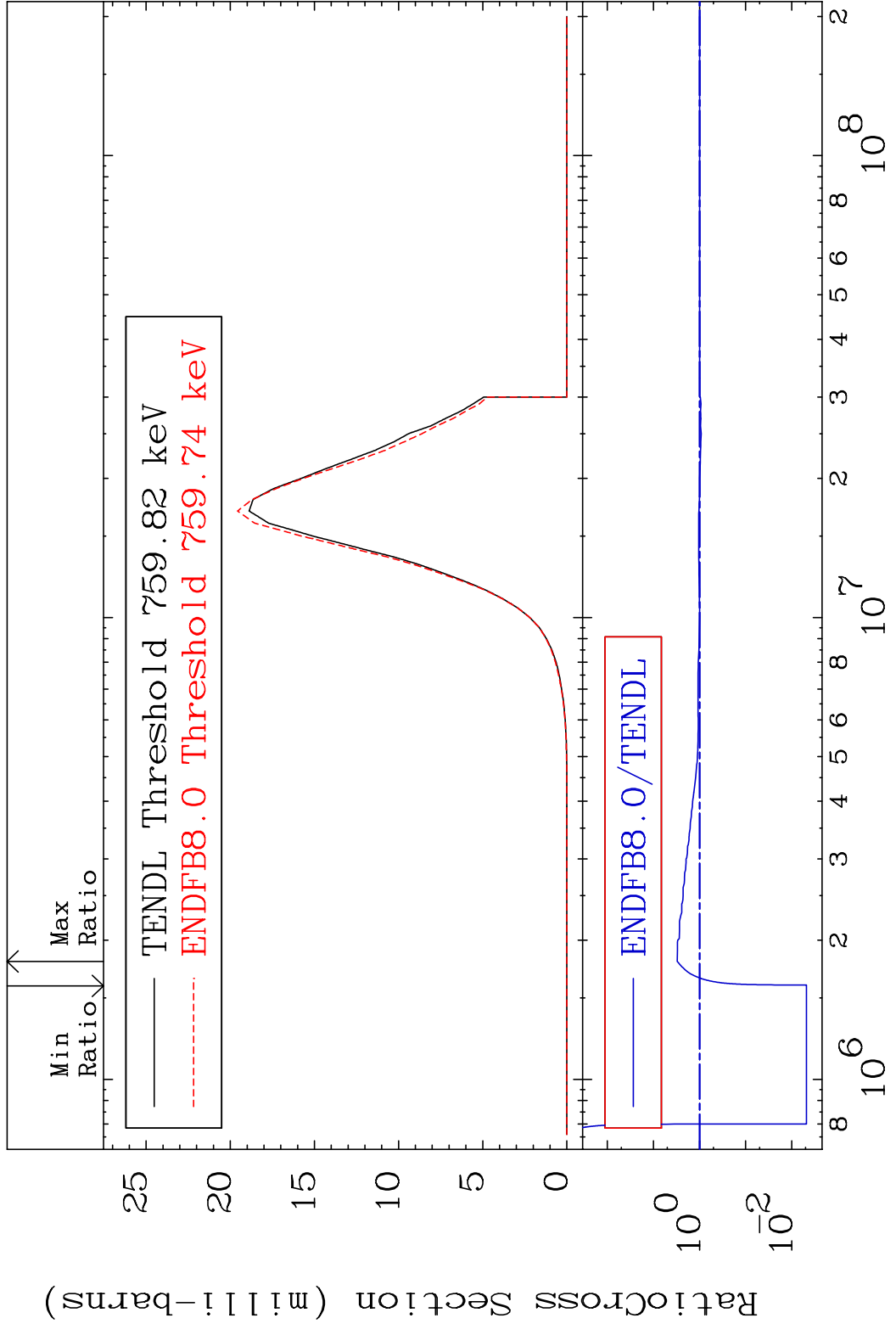
MAT 2040 (n, t) 20-Ca-45
 Cross Section -32.56 To 24.27 %



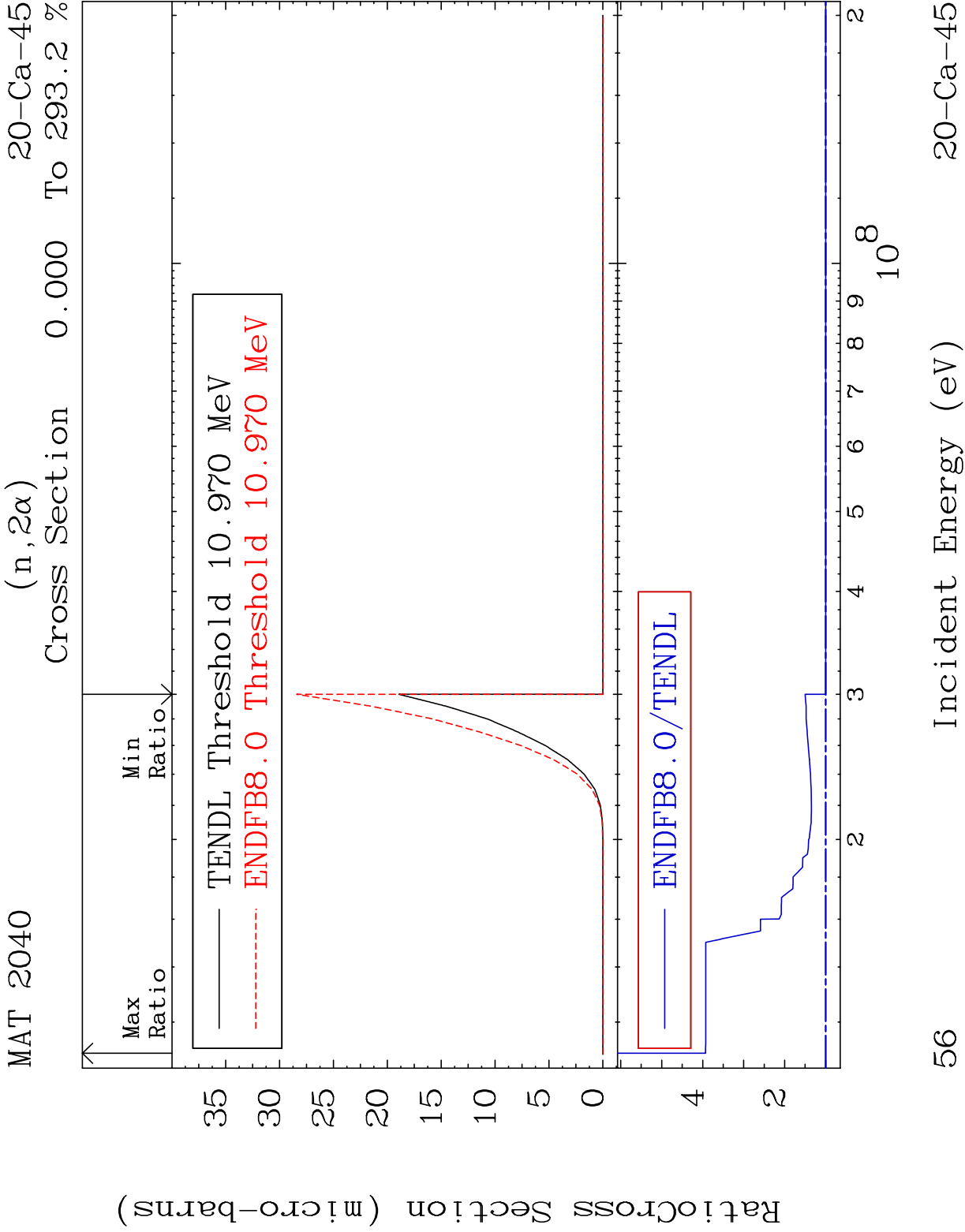
MAT 2040 (n, He-3) 20-Ca-45
 Cross Section -2.768 To 20.69 %

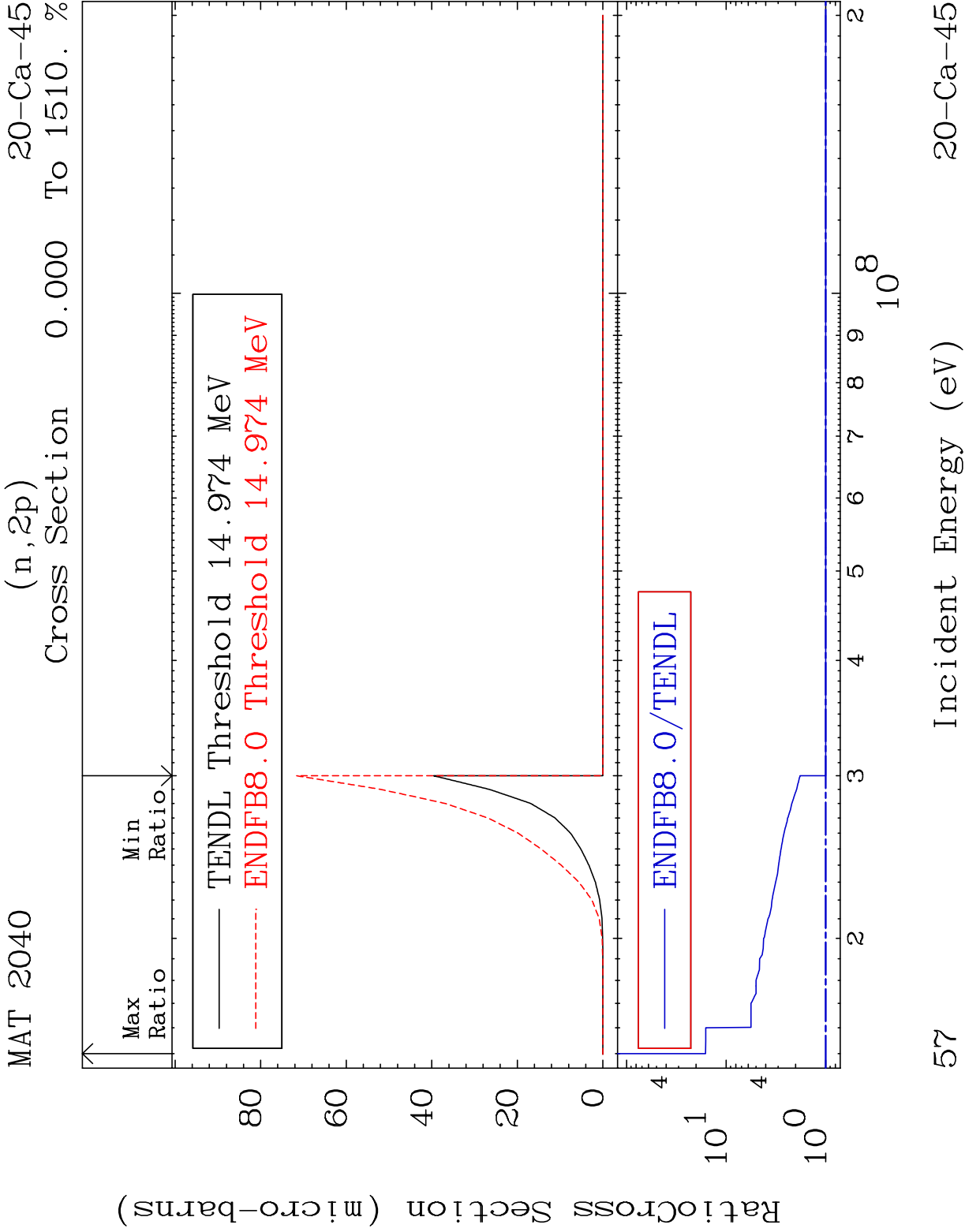


MAT 2040 (n, α) 20-Ca-45
 Cross Section -99.52 To 205.7 %

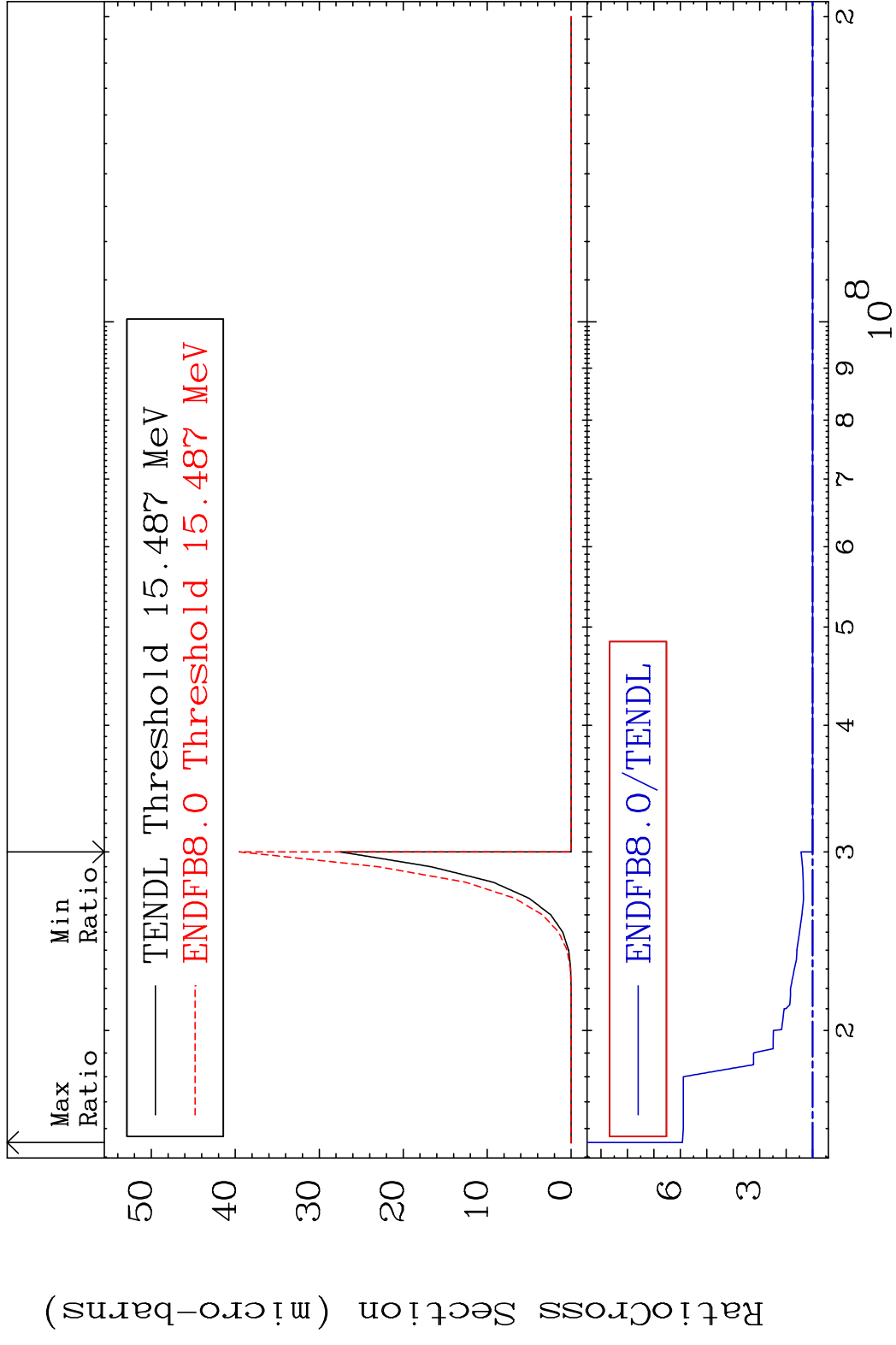


55 20-Ca-45

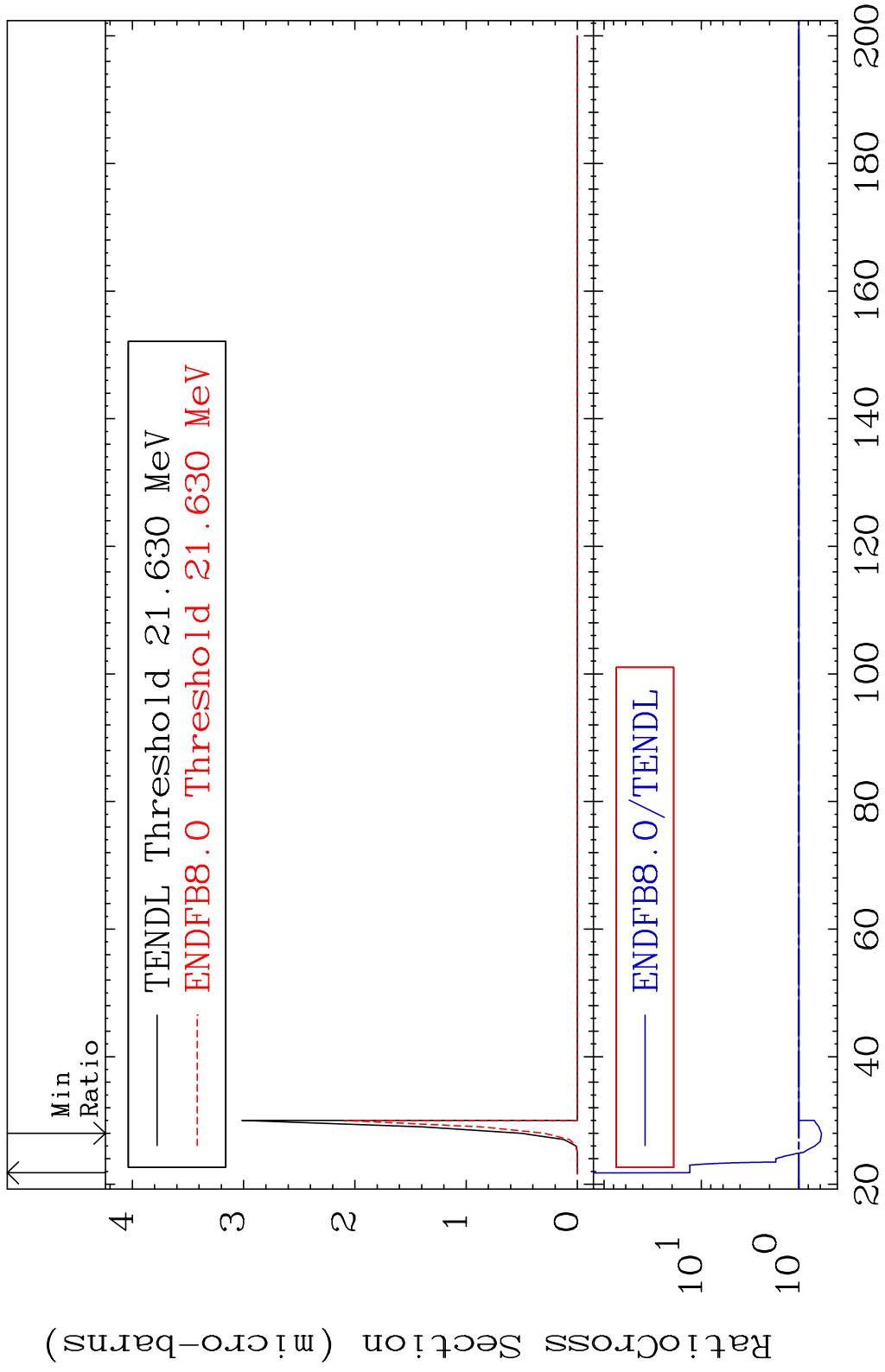




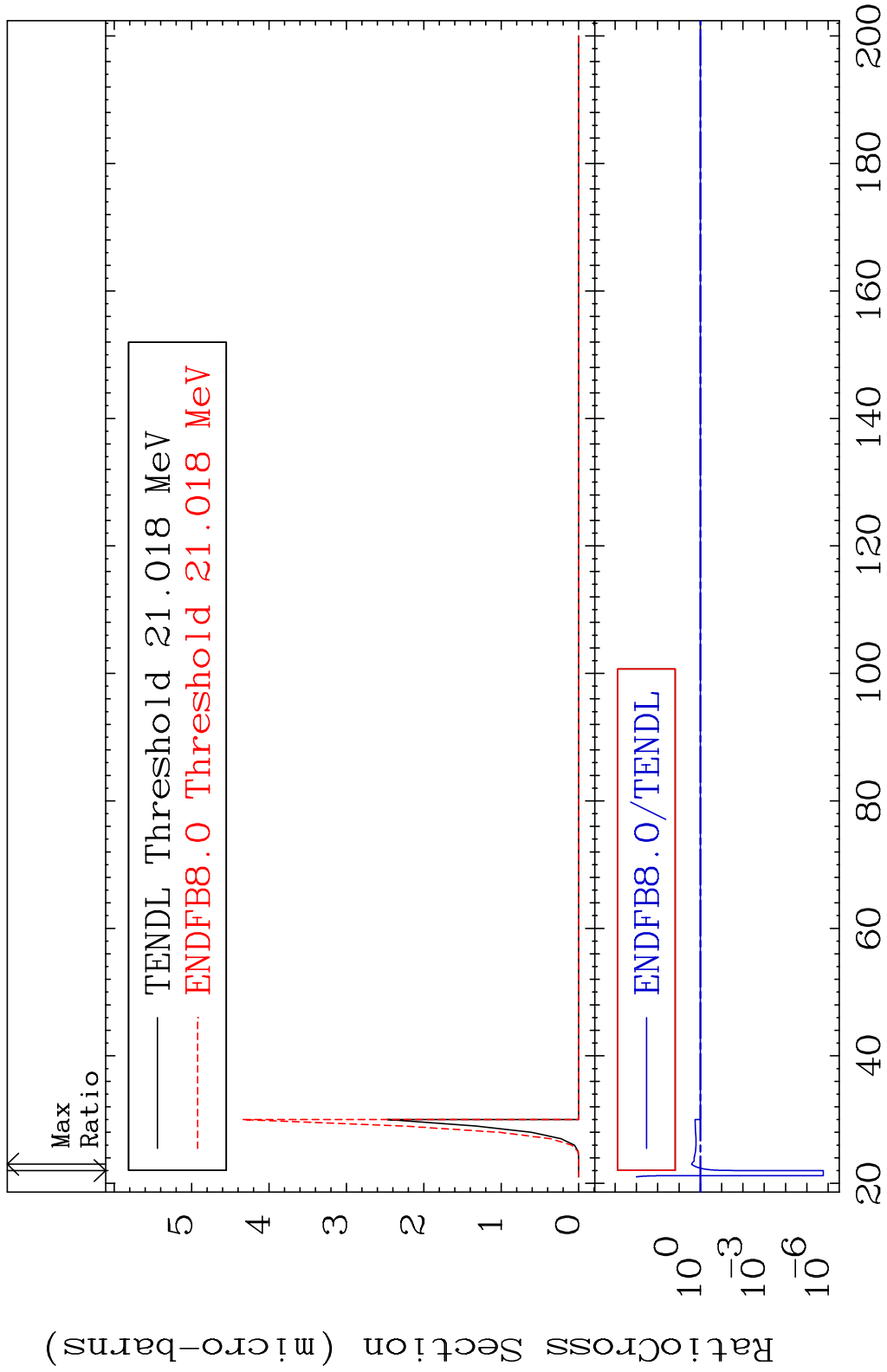
MAT 2040 (n,p) α 20-Ca-45
 Cross Section 0.000 To 492.1 %



MAT 2040 (n,p) d 20-Ca-45
Cross Section -41.40 To 1217. %

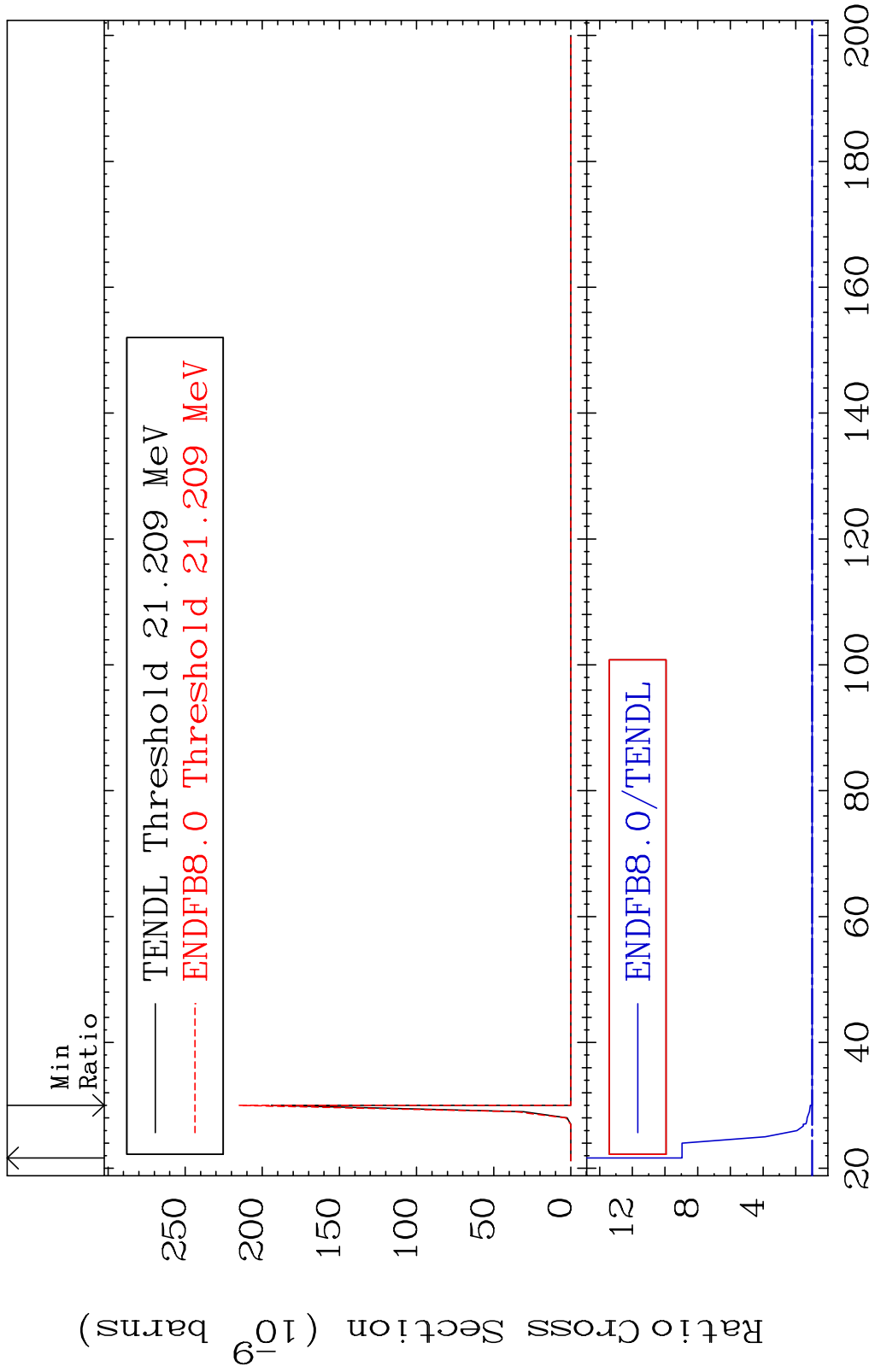


MAT 2040 (n,p) t 20-Ca-45
 Cross Section -100.0 To 164.6 %



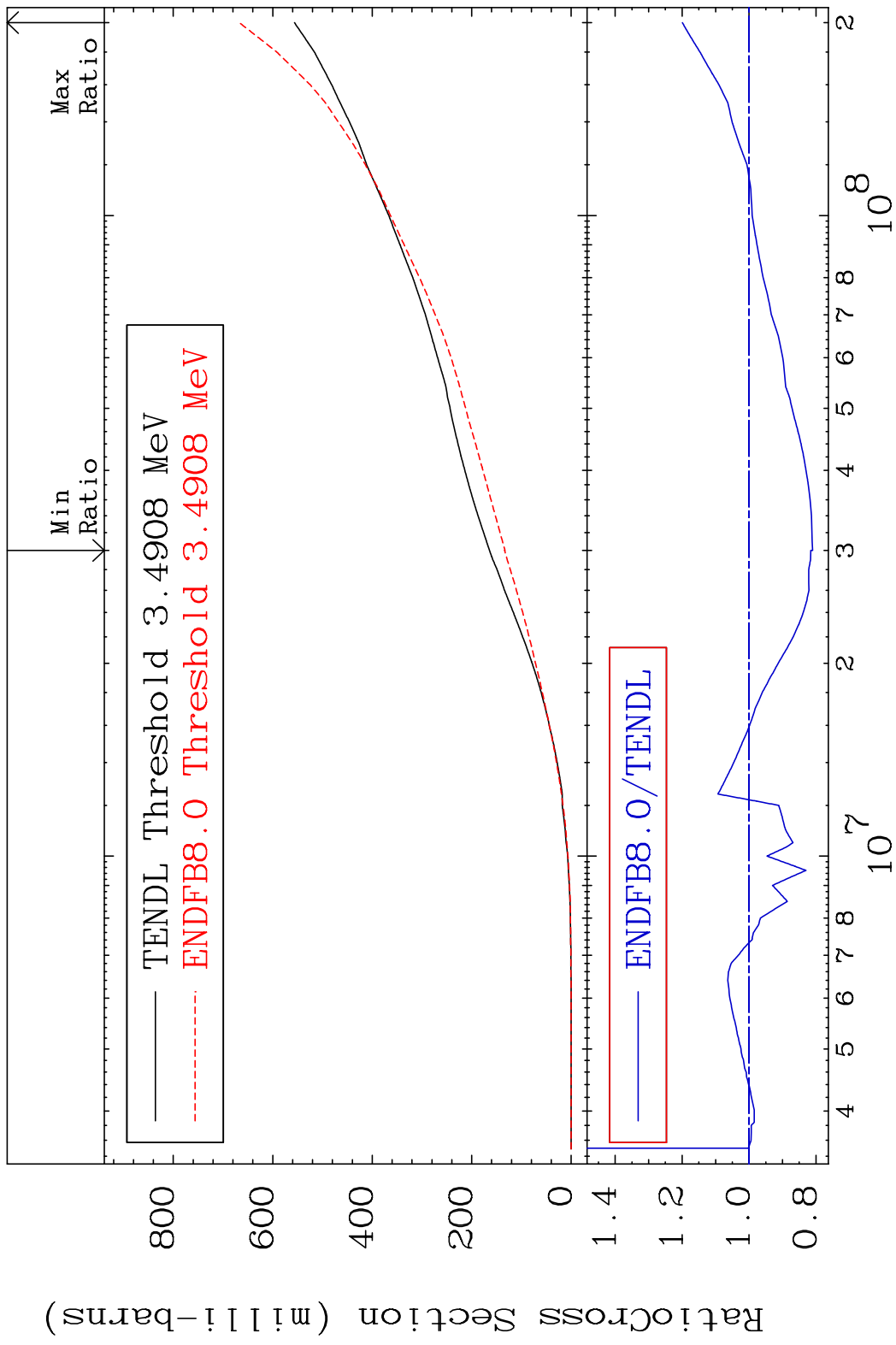
60 Incident Energy (MeV) 20-Ca-45

MAT 2040 (n,d) α 20-Ca-45
 Cross Section 0.000 To 796.2 %



61 Incident Energy (MeV) 20-Ca-45

MAT 2040 Hydrogen Production 20-Ca-45
 Cross Section -18.98 To 19.93 %

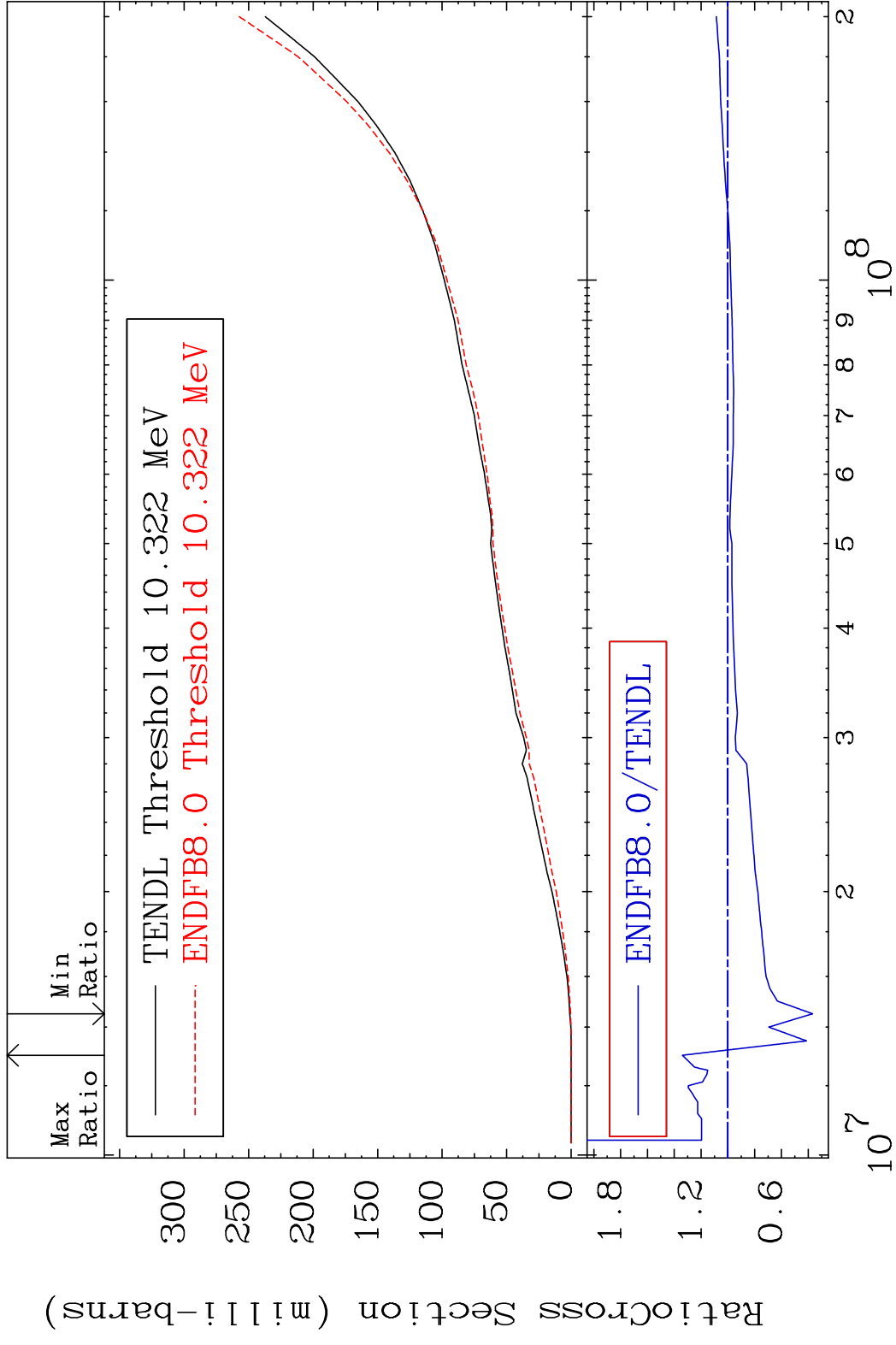


MAT 2040

Deuterium Production

20-Ca-45

Cross Section -63.19 To 33.94 %

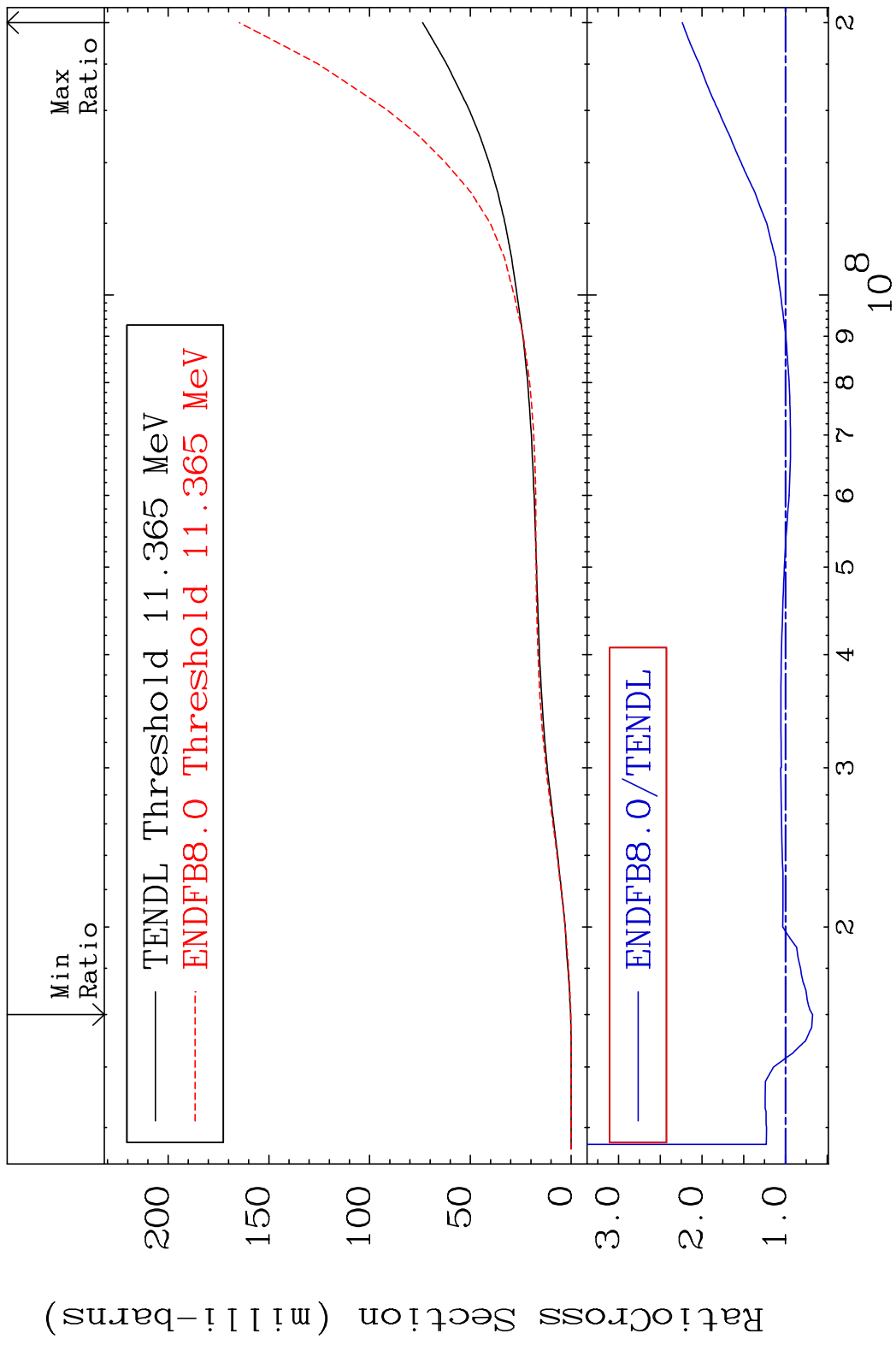


63

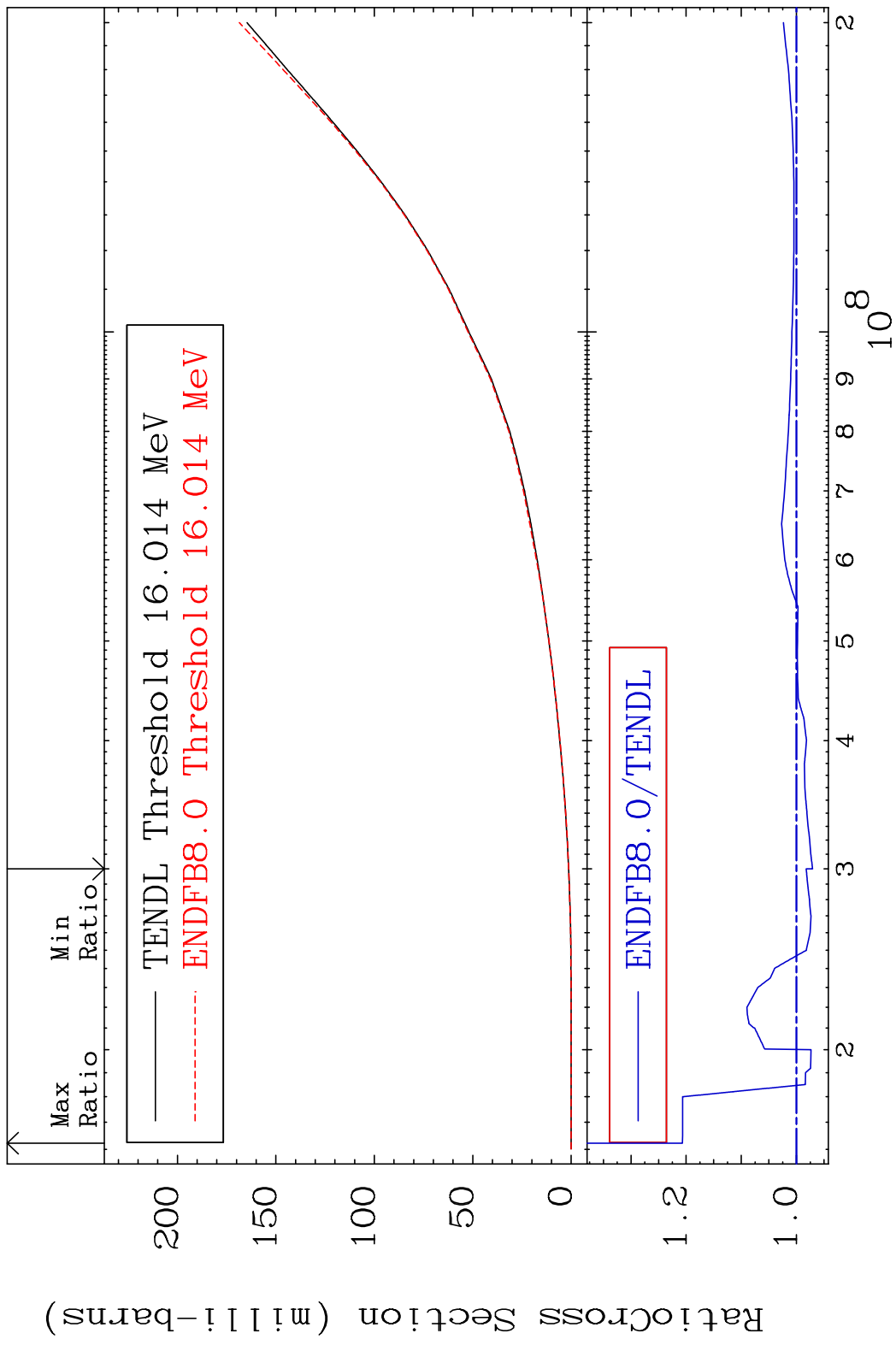
Incident Energy (eV)

20-Ca-45

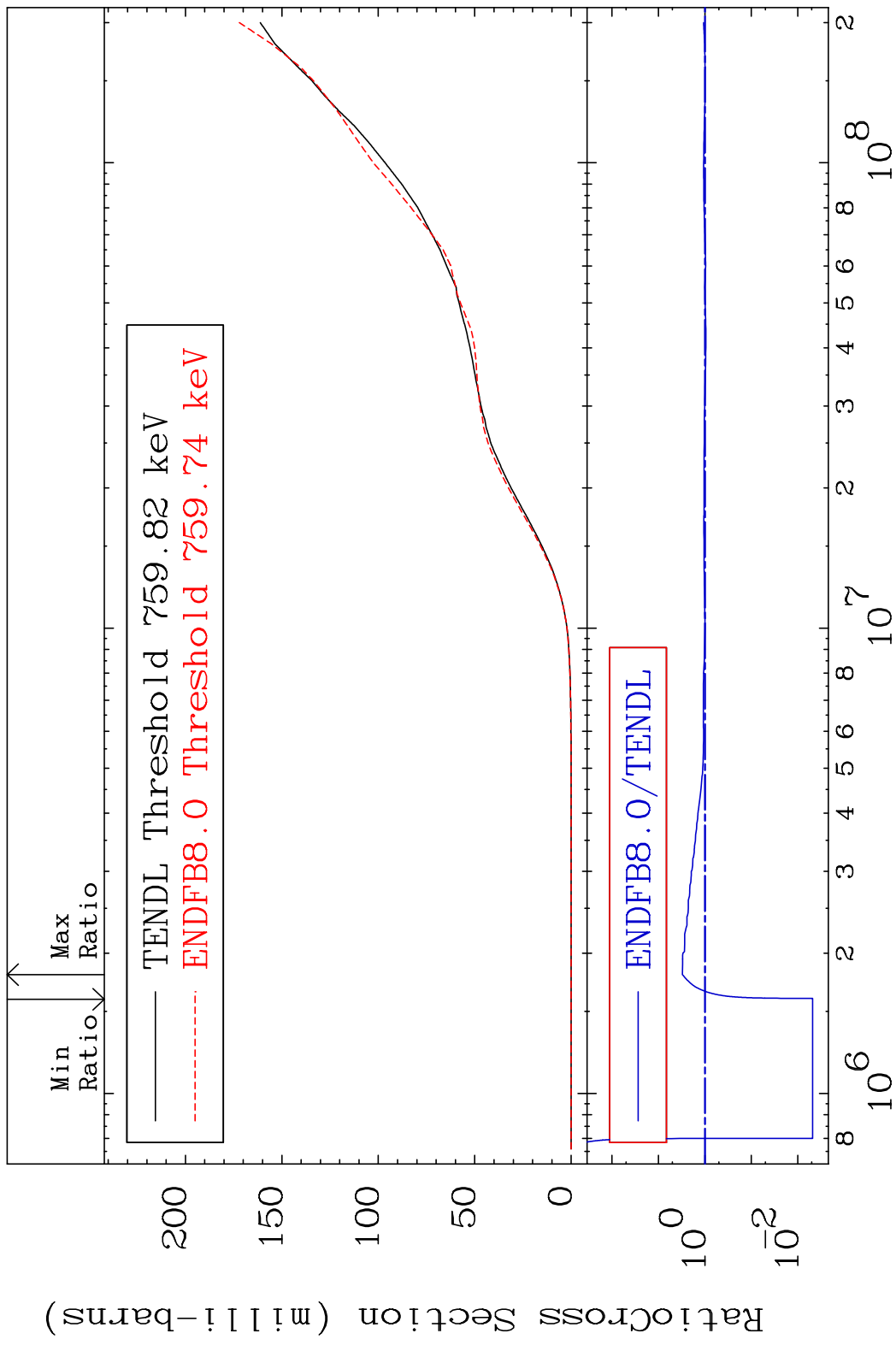
MAT 2040 Tritium Production 20-Ca-45
 Cross Section -32.56 To 123.6 %



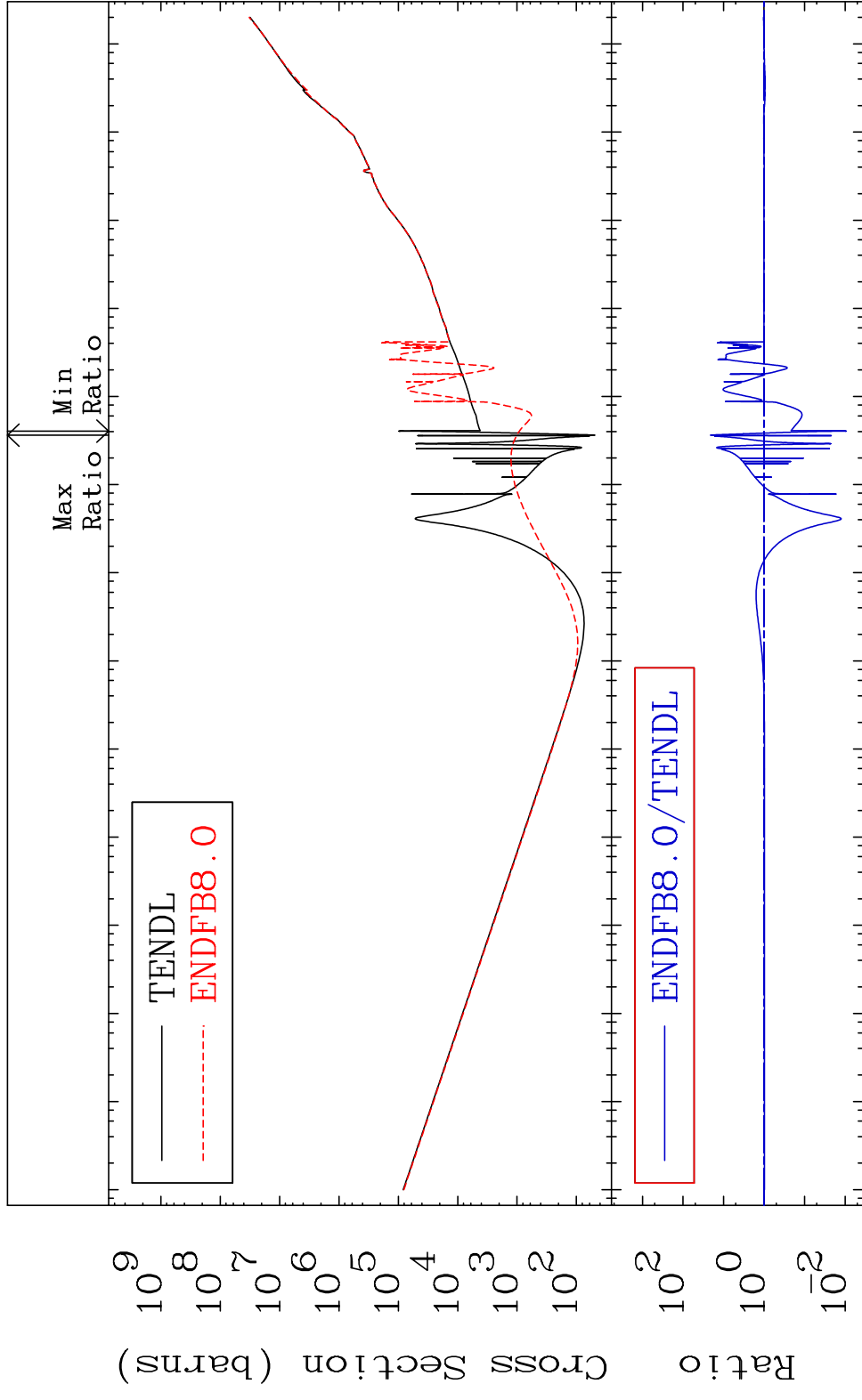
MAT 2040 He-3 Production 20-Ca-45
 Cross Section -2.916 To 20.69 %



MAT 2040 He-4 Production 20-Ca-45
 Cross Section -99.52 To 205.7 %



MAT 2040 Kerma total (eV-barns) 20-Ca-45
 Cross Section -99.07 To 1971. %

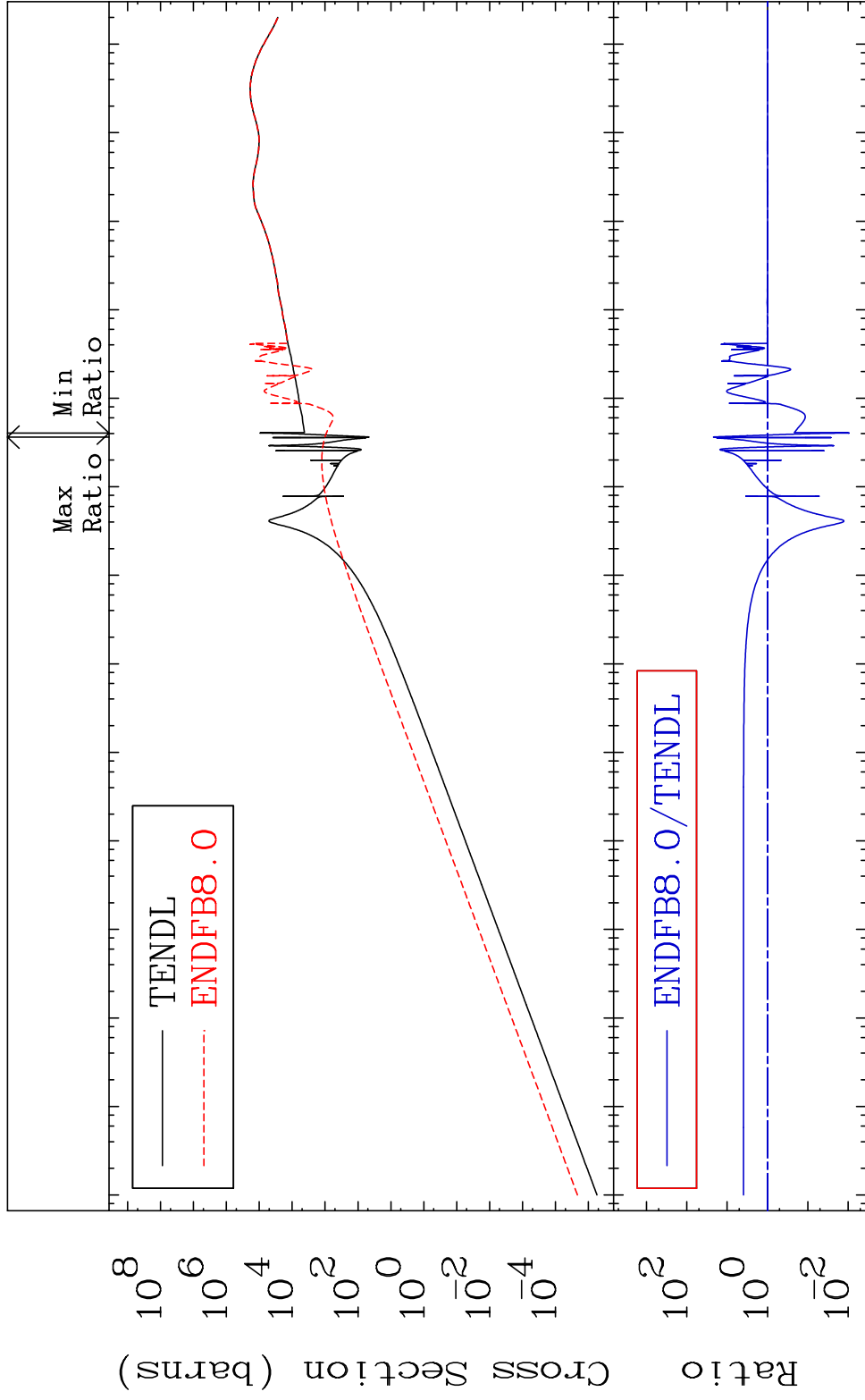


67 Incident Energy (eV) 20-Ca-45

MAT 2040

Kerma elastic
Cross Section

20-Ca-45
-99.07 To 2122. %

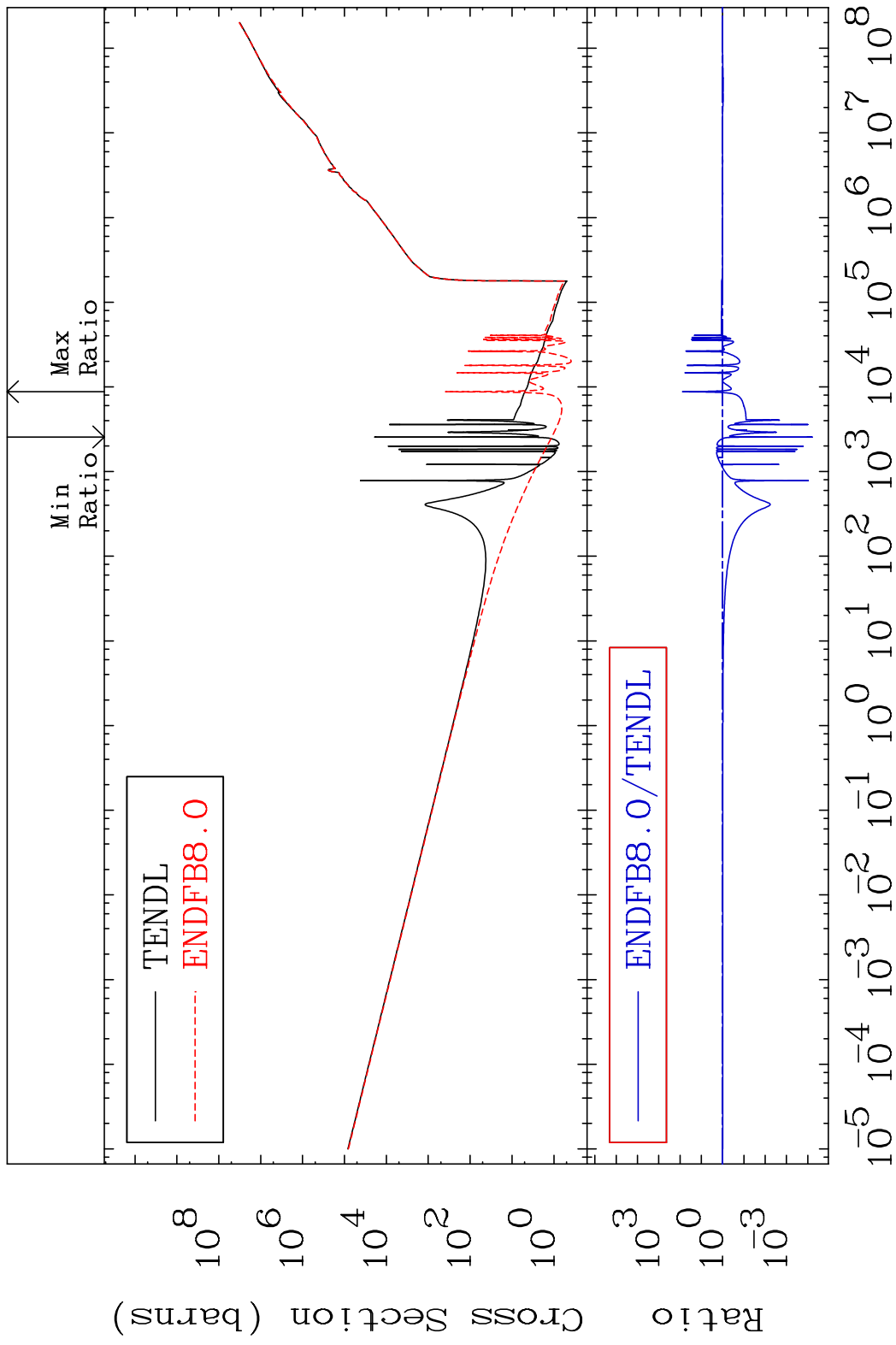


68

Incident Energy (eV)

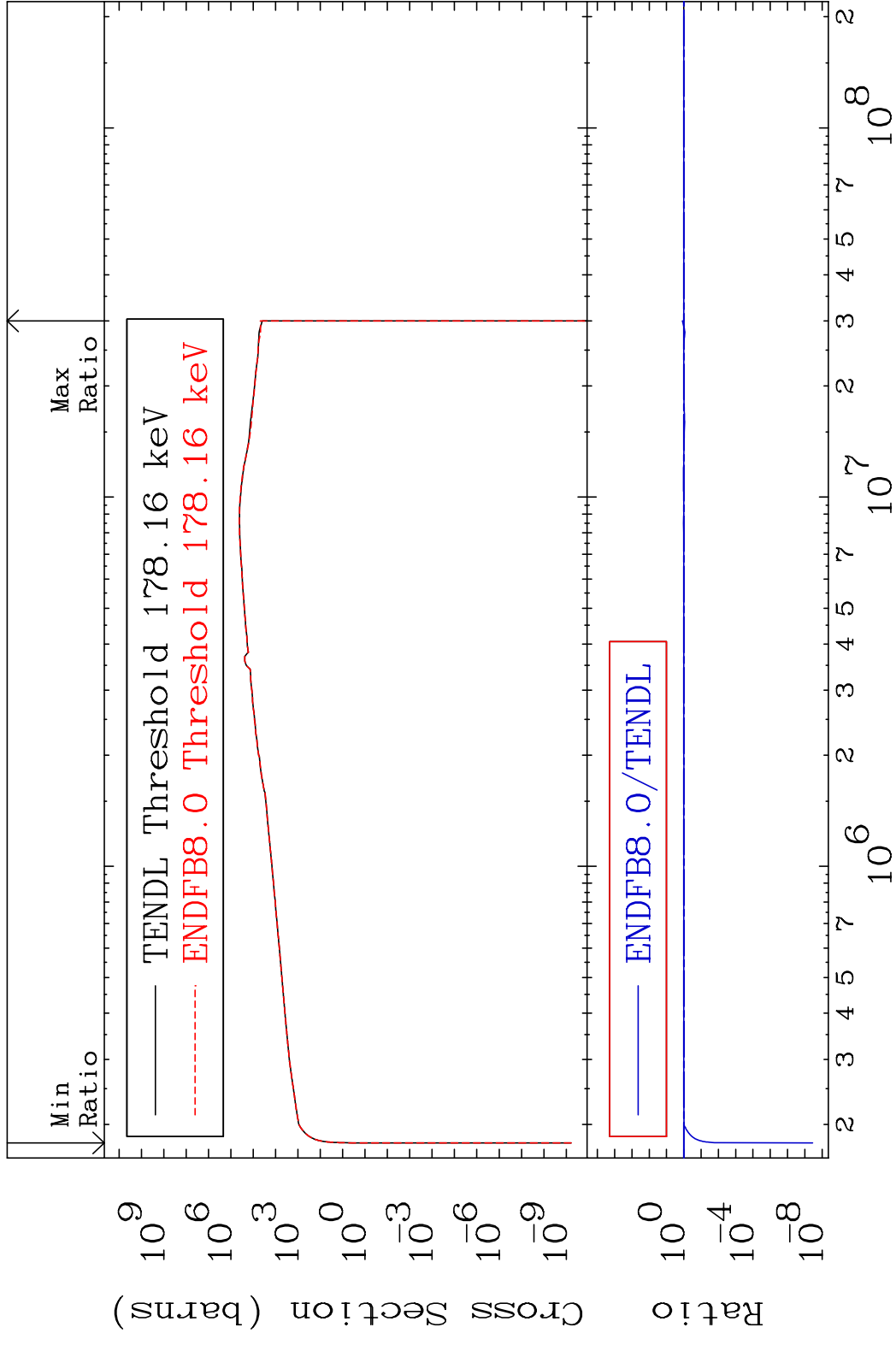
20-Ca-45

MAT 2040 Kerma non-elastic (all but mt2) 20-Ca-45
 Cross Section -99.99 To 7686. %

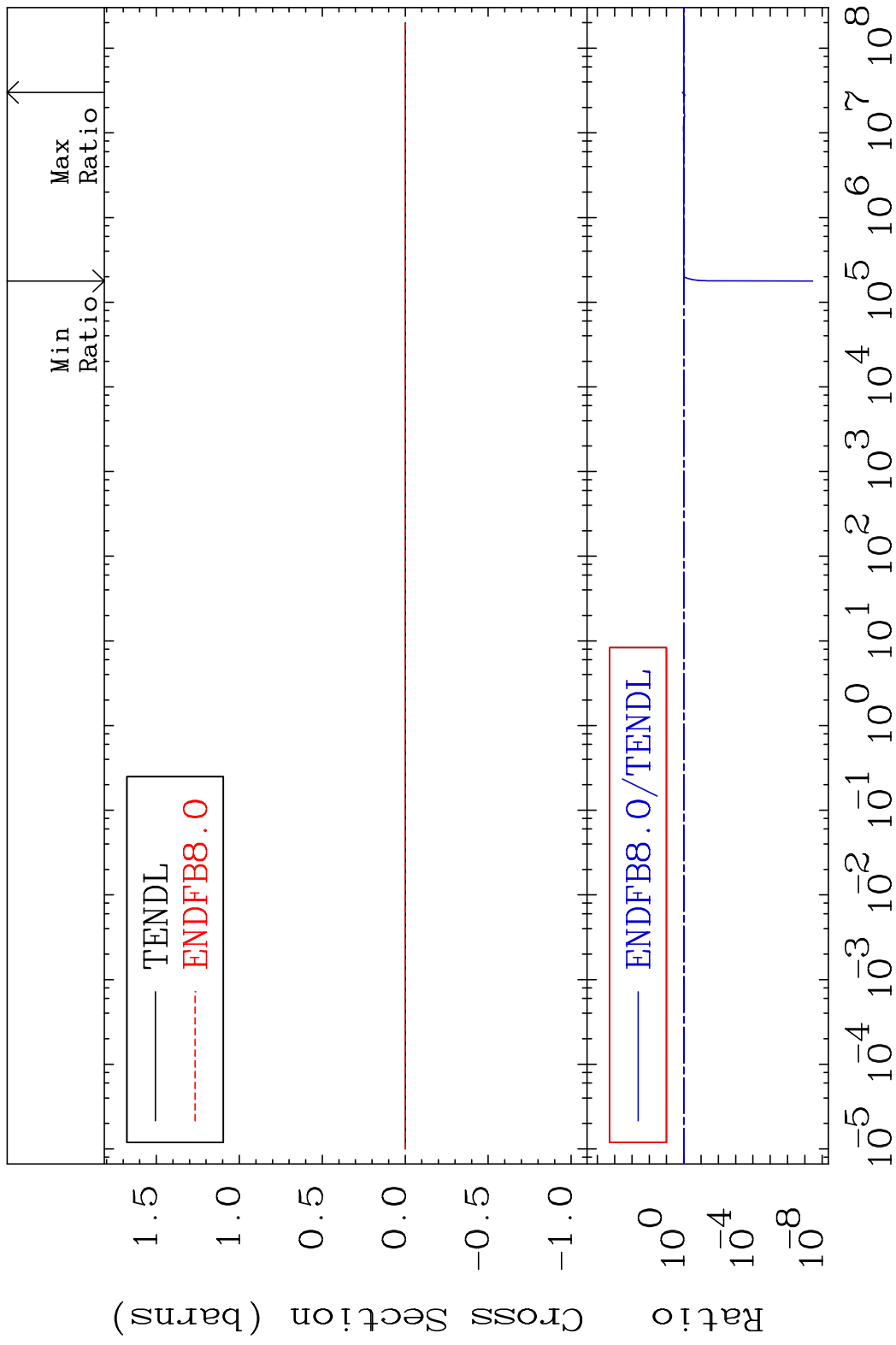


69 Incident Energy (eV) 20-Ca-45

MAT 2040 Kerma inelastic (mt51-91) 20-Ca-45
 Cross Section -100.0 To 21.22 %

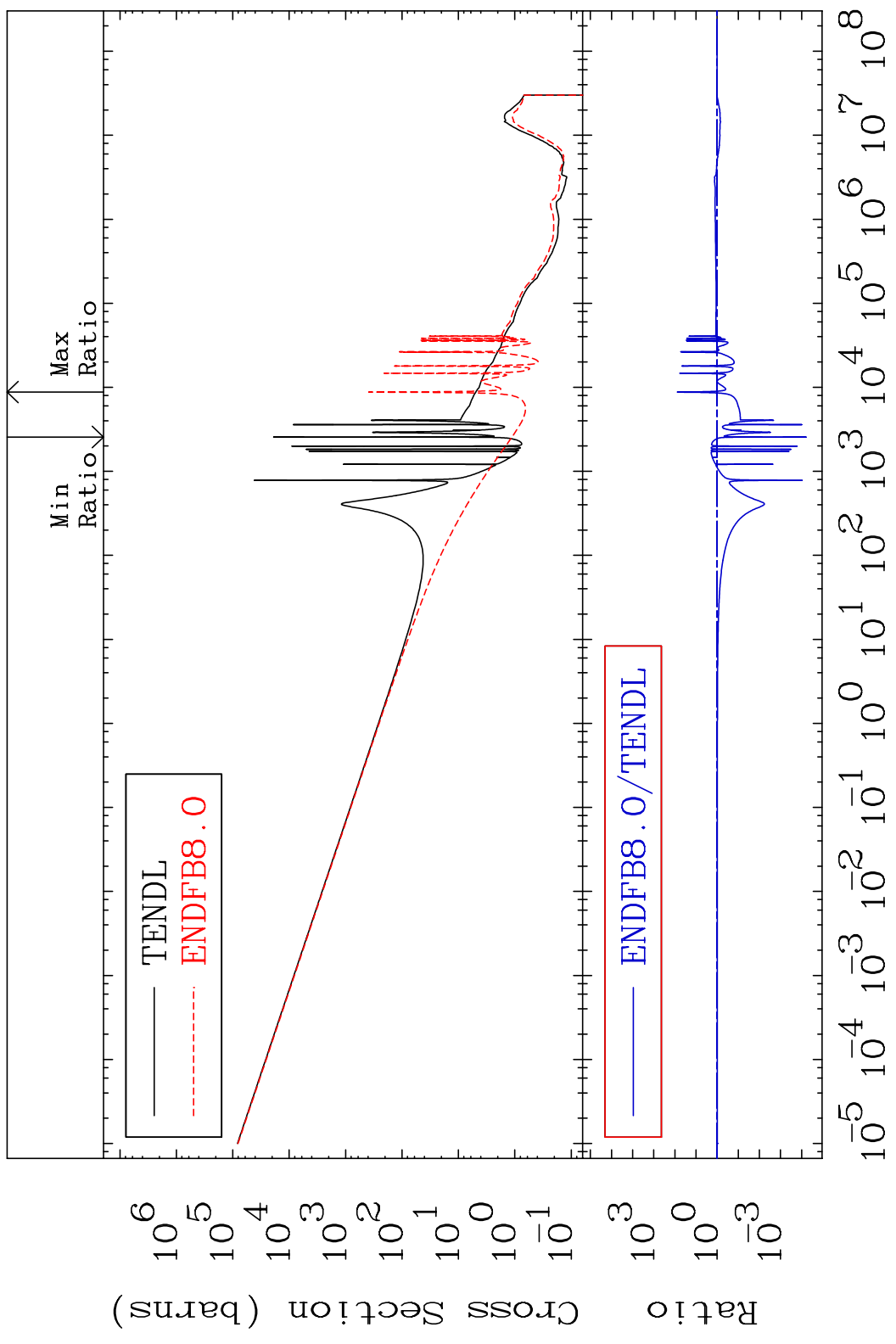


MAT 2040 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-45
 Cross Section -100.0 To 21.22 %



MAT 2040

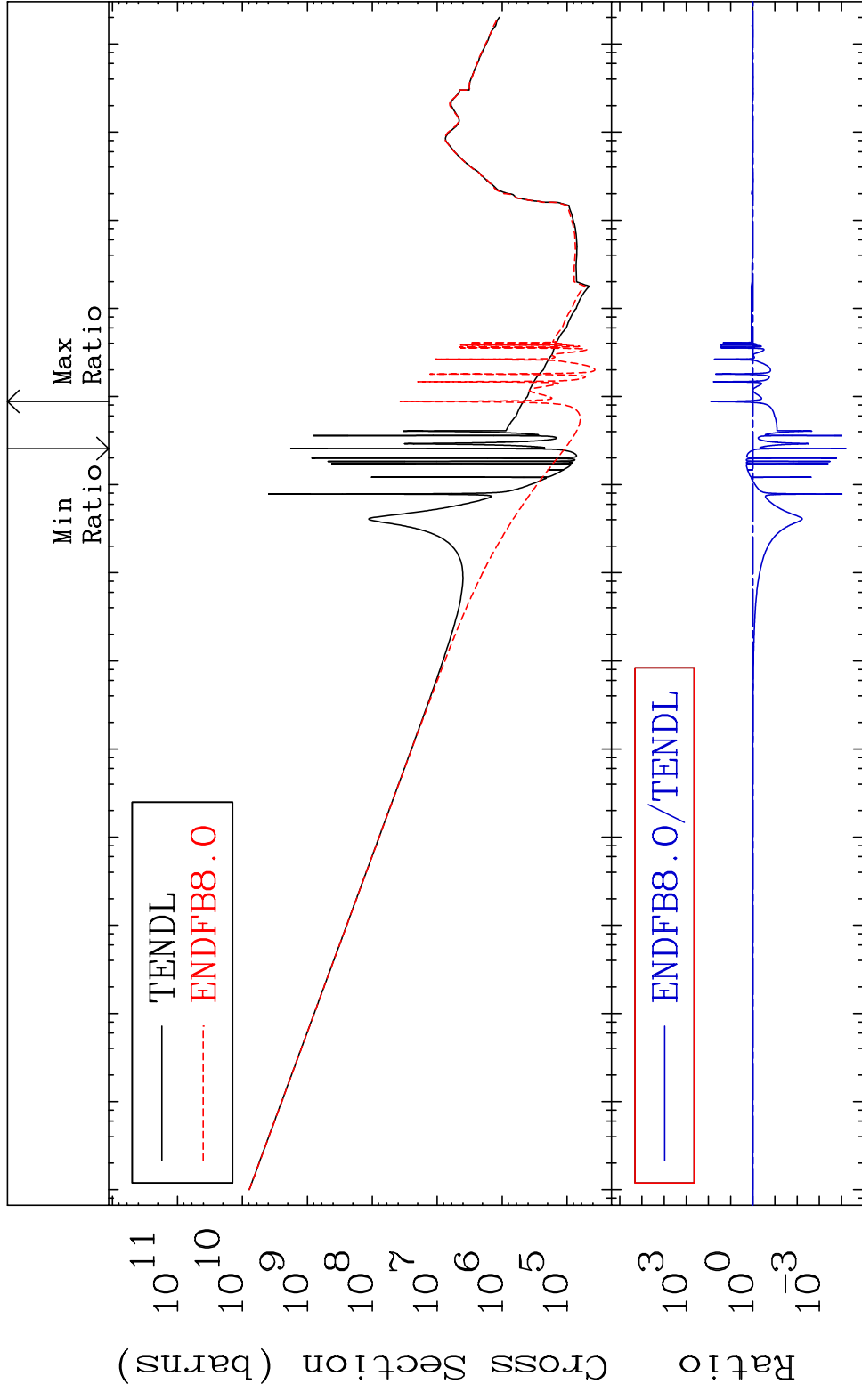
Kerma capture (mt102) 20-Ca-45
Cross Section -99.99 To 7686. %



72

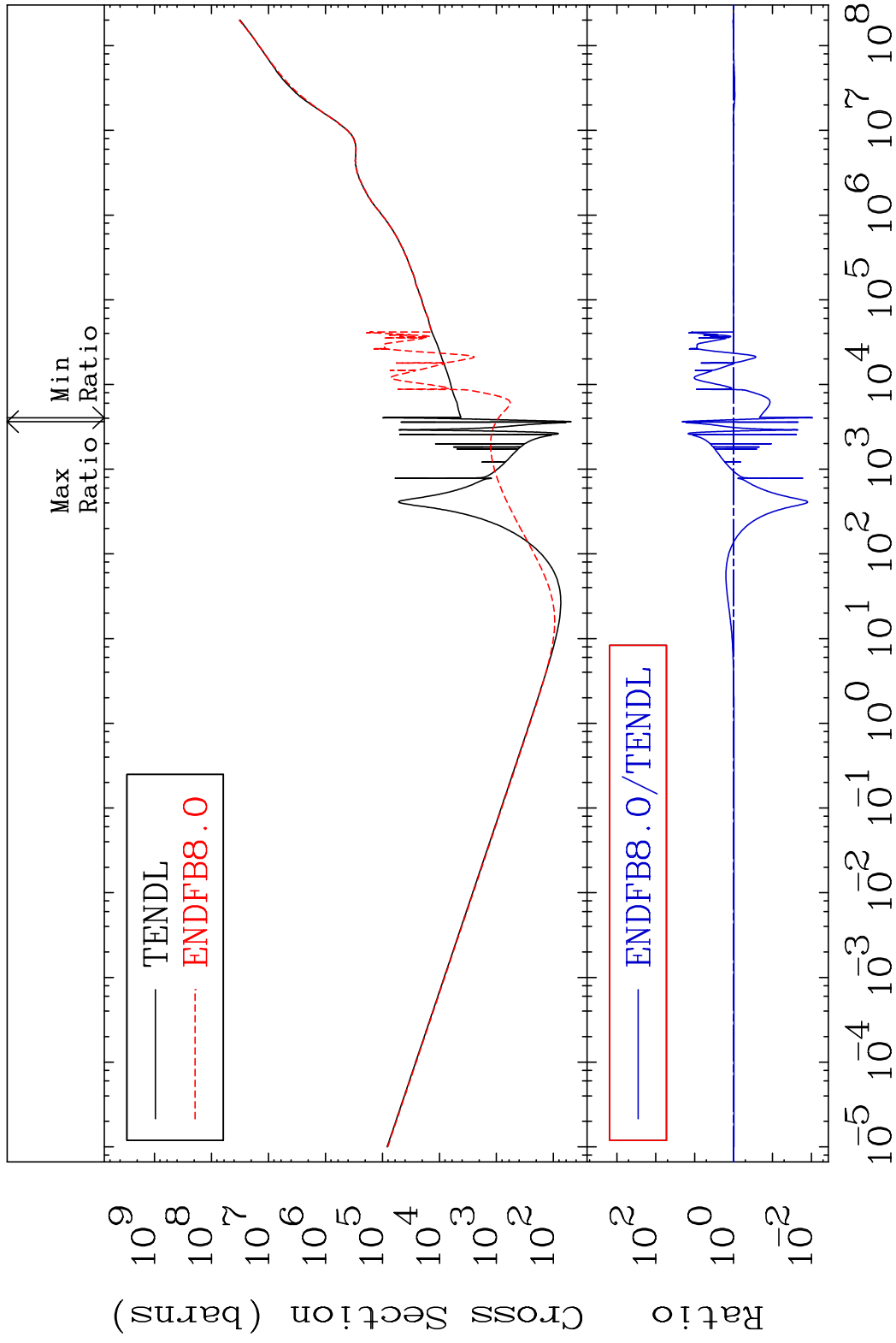
Incident Energy (eV) 20-Ca-45

MAT 2040 Total photon (eV-barns) 20-Ca-45
 Cross Section -99.99 To 7813. %

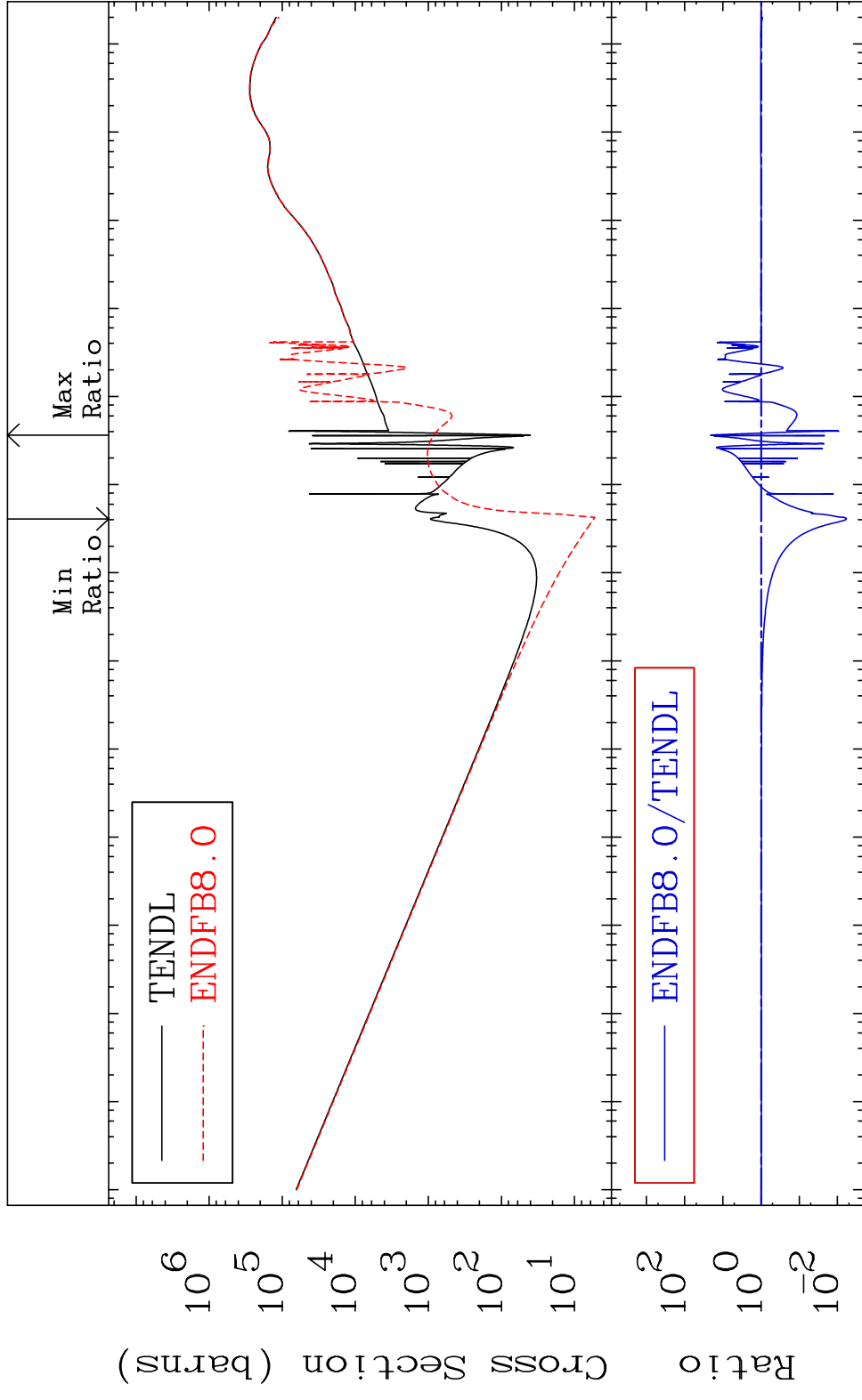


73 Incident Energy (eV) 20-Ca-45

MAT 2040 Total kinematic kerma (high limit) 20-Ca-45
 Cross Section -99.07 To 1971. %

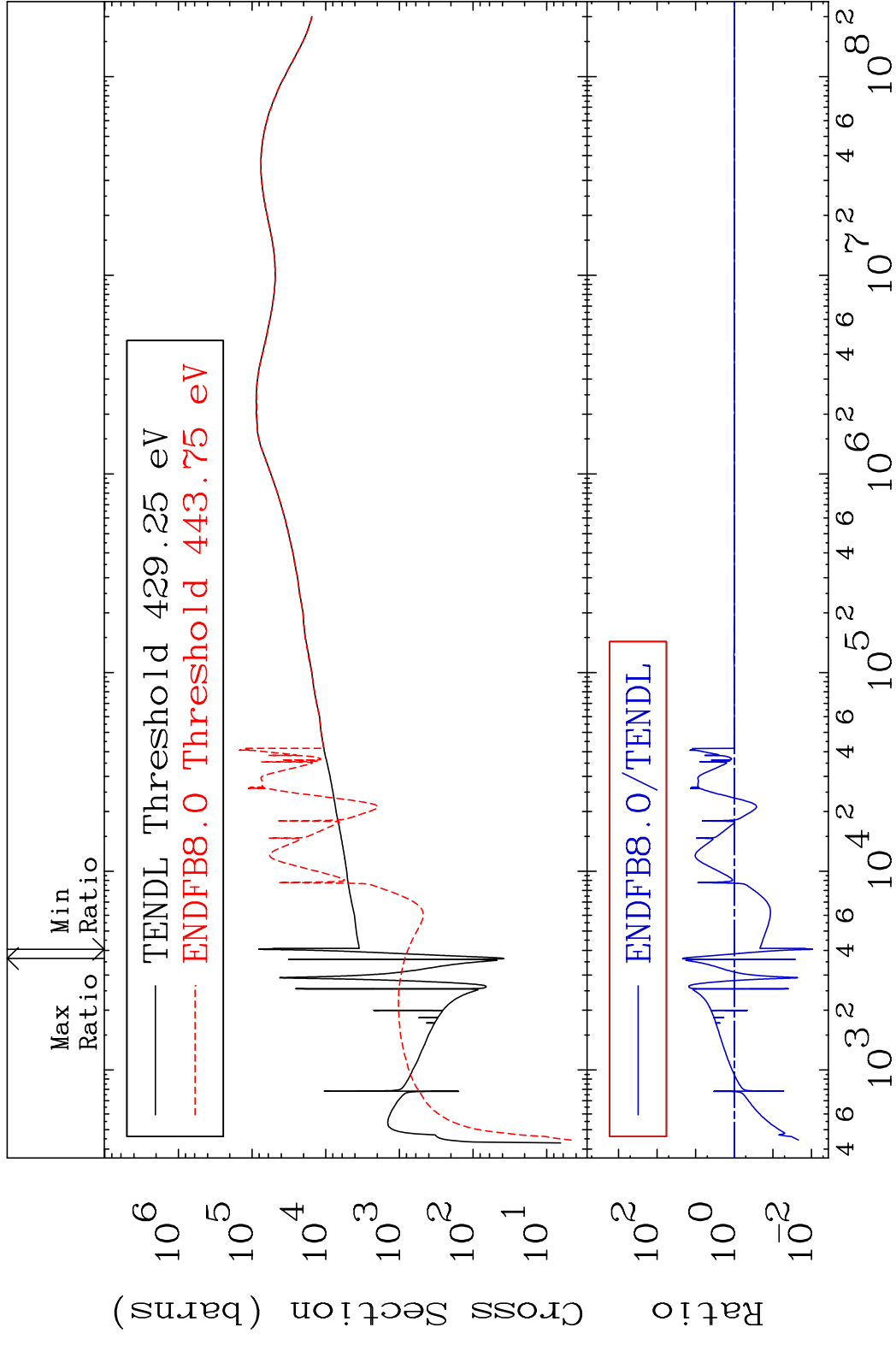


MAT 2040 Dpa total (eV-barns) 20-Ca-45
 Cross Section -99.42 To 1980. %

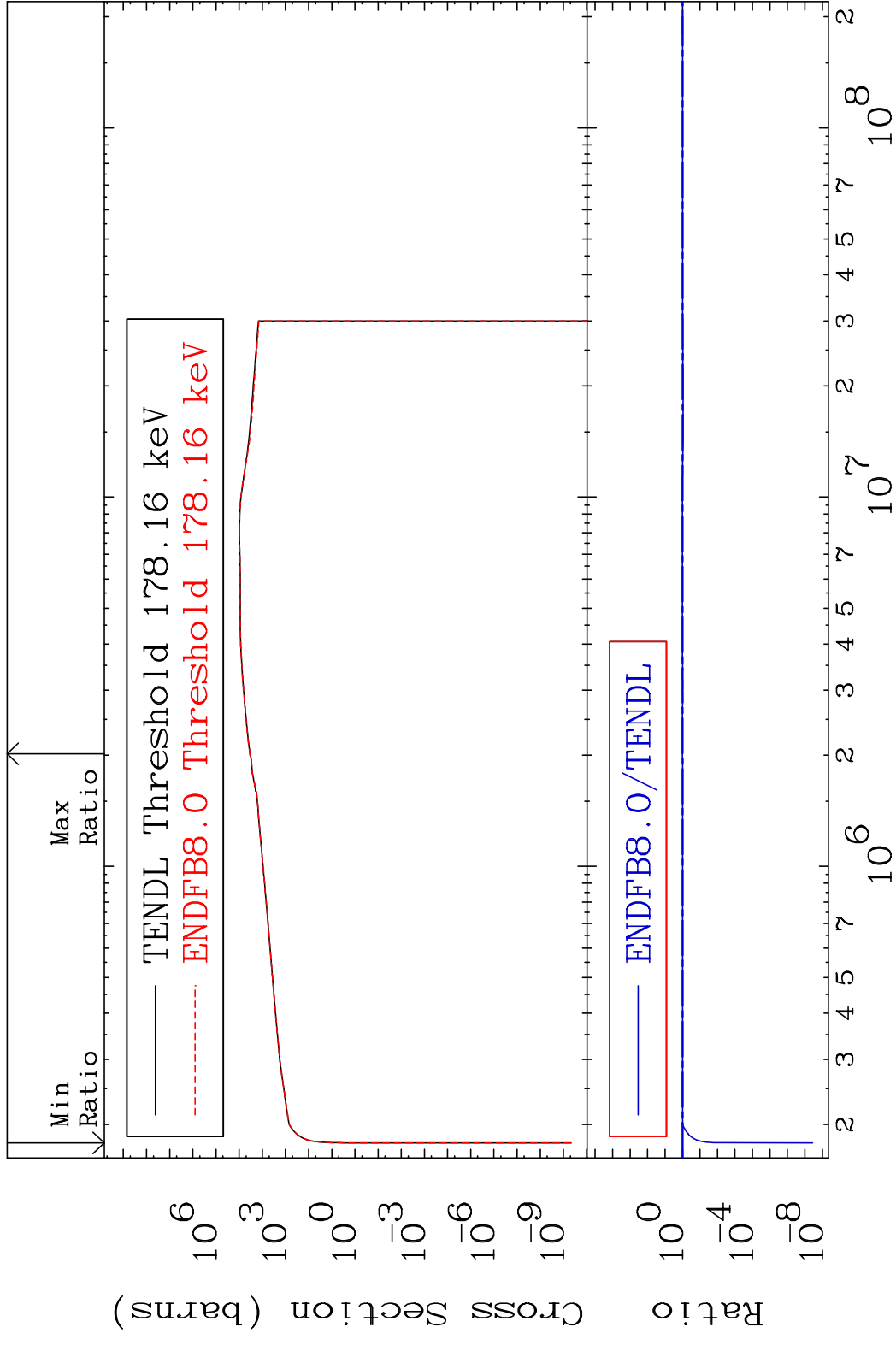


75 Incident Energy (eV) 20-Ca-45

MAT 2040 Dpa elastic (mt2) 20-Ca-45
 Cross Section -99.07 To 2122. %



MAT 2040 Dpa inelastic (mt51-91) 20-Ca-45
 Cross Section -100.0 To 2.147 %



MAT 2040 Dpa disappearance (mt102 -120) 20-Ca-45
 Cross Section -99.99 To 7694. %

