

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

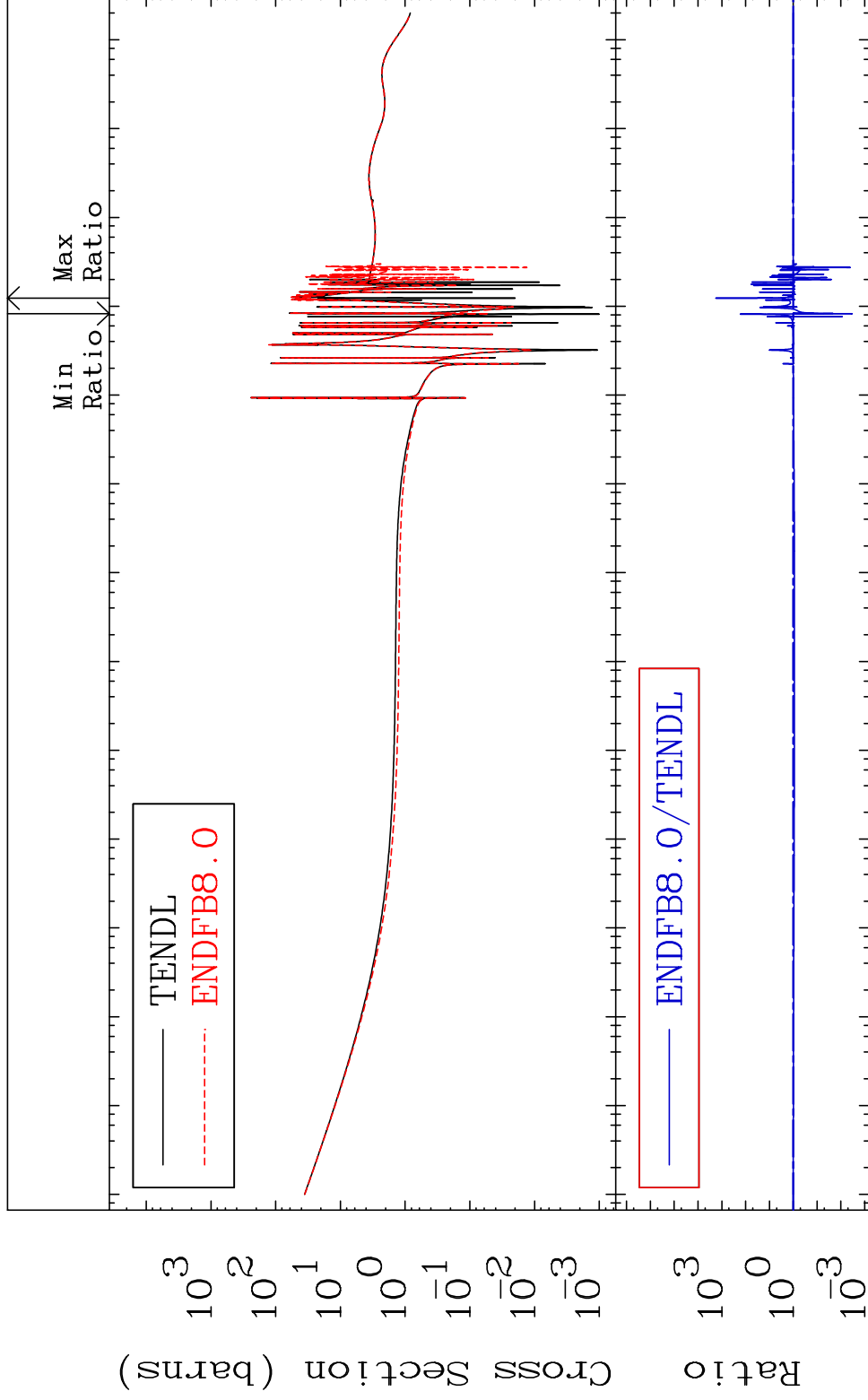
MAT 2031

Total

20-Ca-42

Cross Section

-99.67 To 9999. %



1

Incident Energy (eV)

20-Ca-42

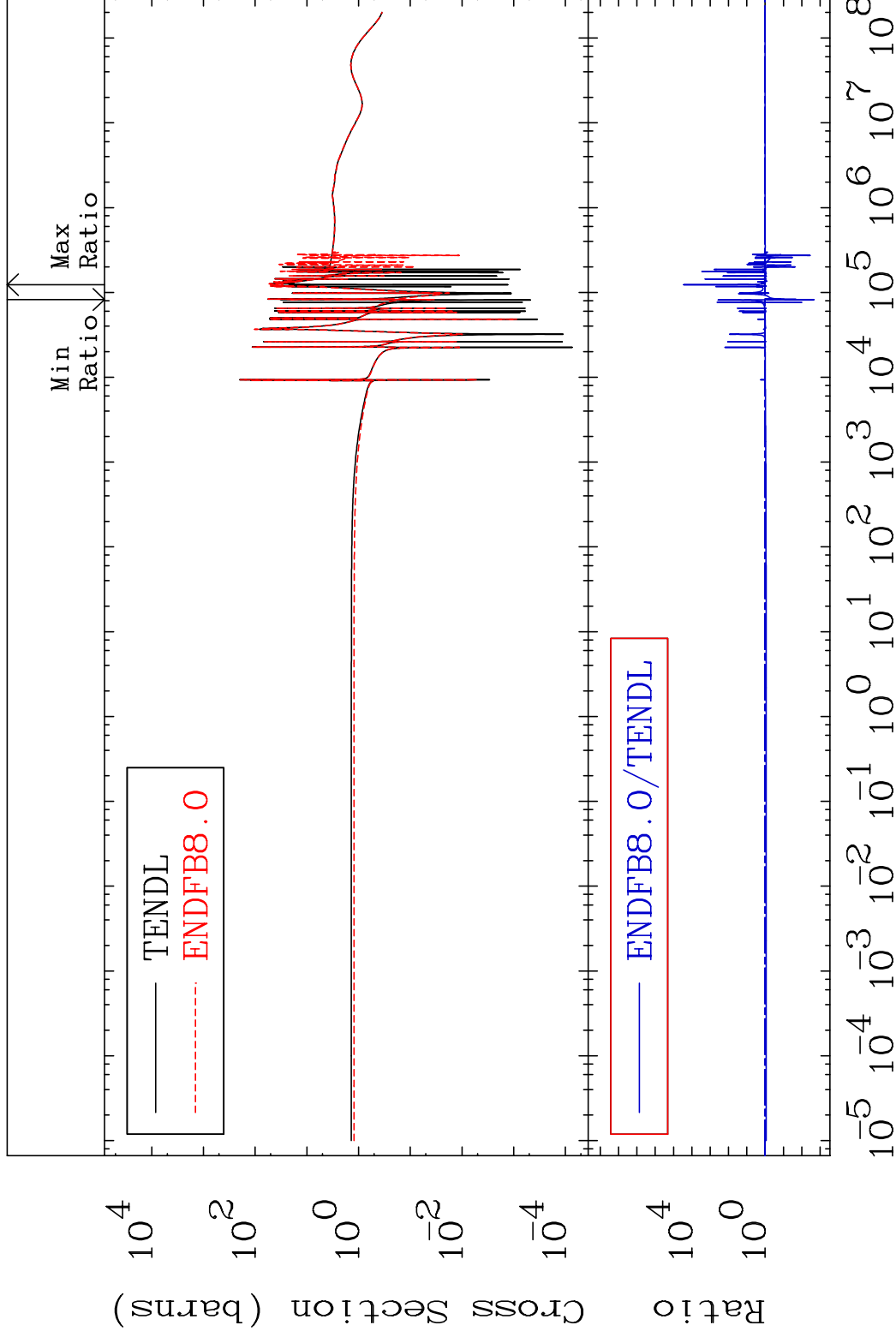
MAT 2031

Elastic

20-Ca-42

Cross Section

-99.79 To 9999. %

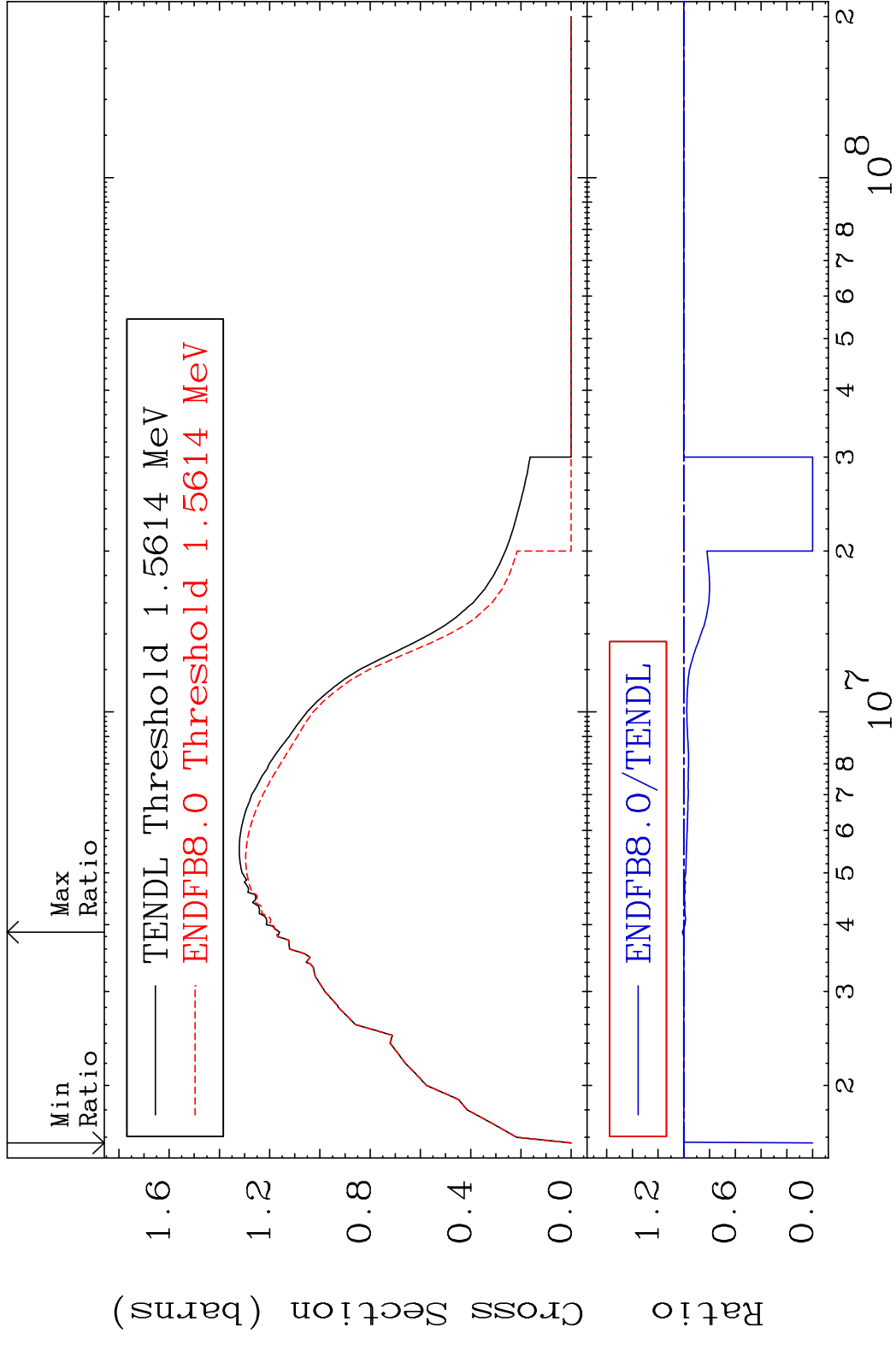


2

Incident Energy (eV)

20-Ca-42

MAT 2031 Inelastic 20-Ca-42
 Cross Section -100.0 To 1.145 %

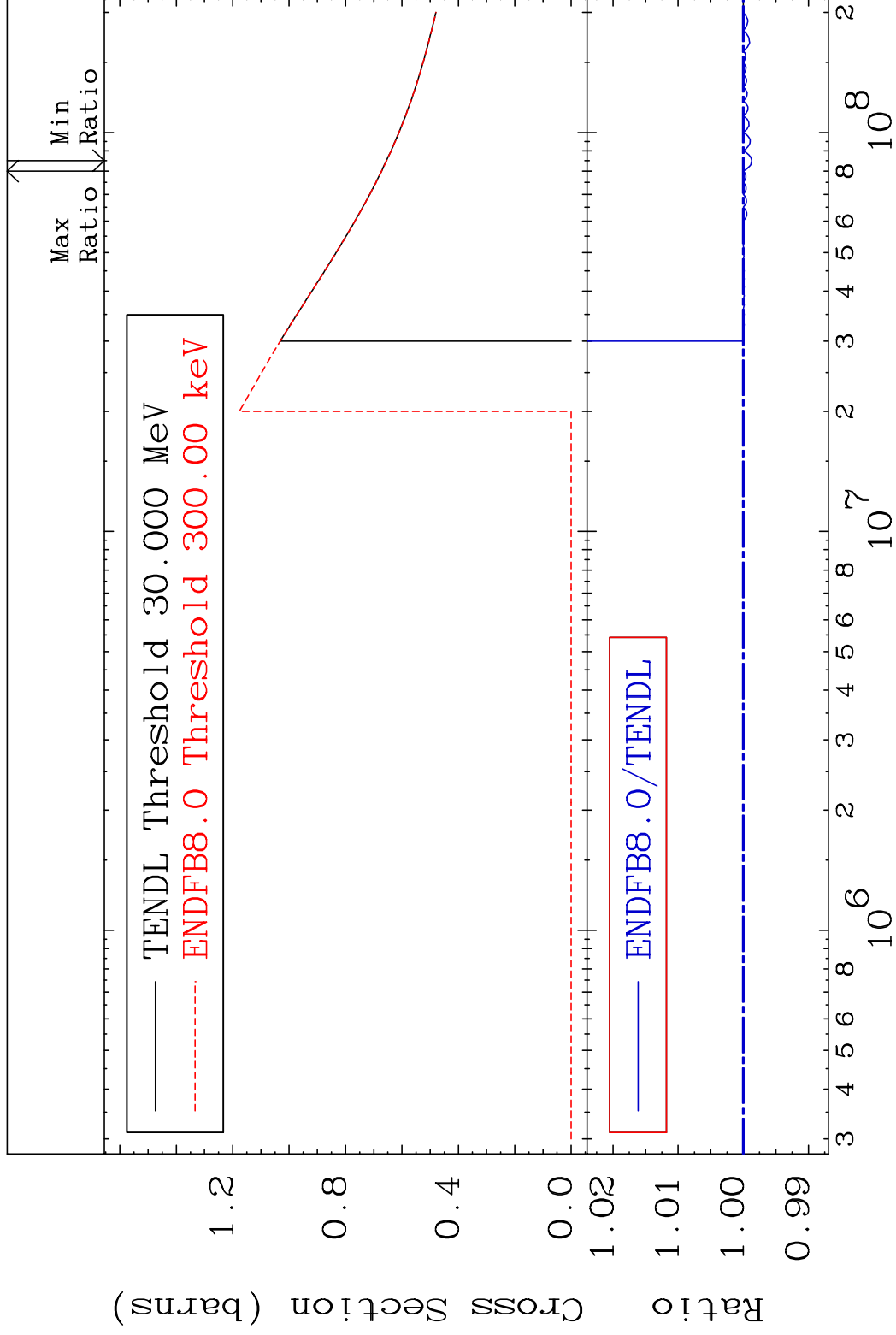


MAT 2031

(n, remainder)

20-Ca-42

Cross Section -0.129 To 0.000 %

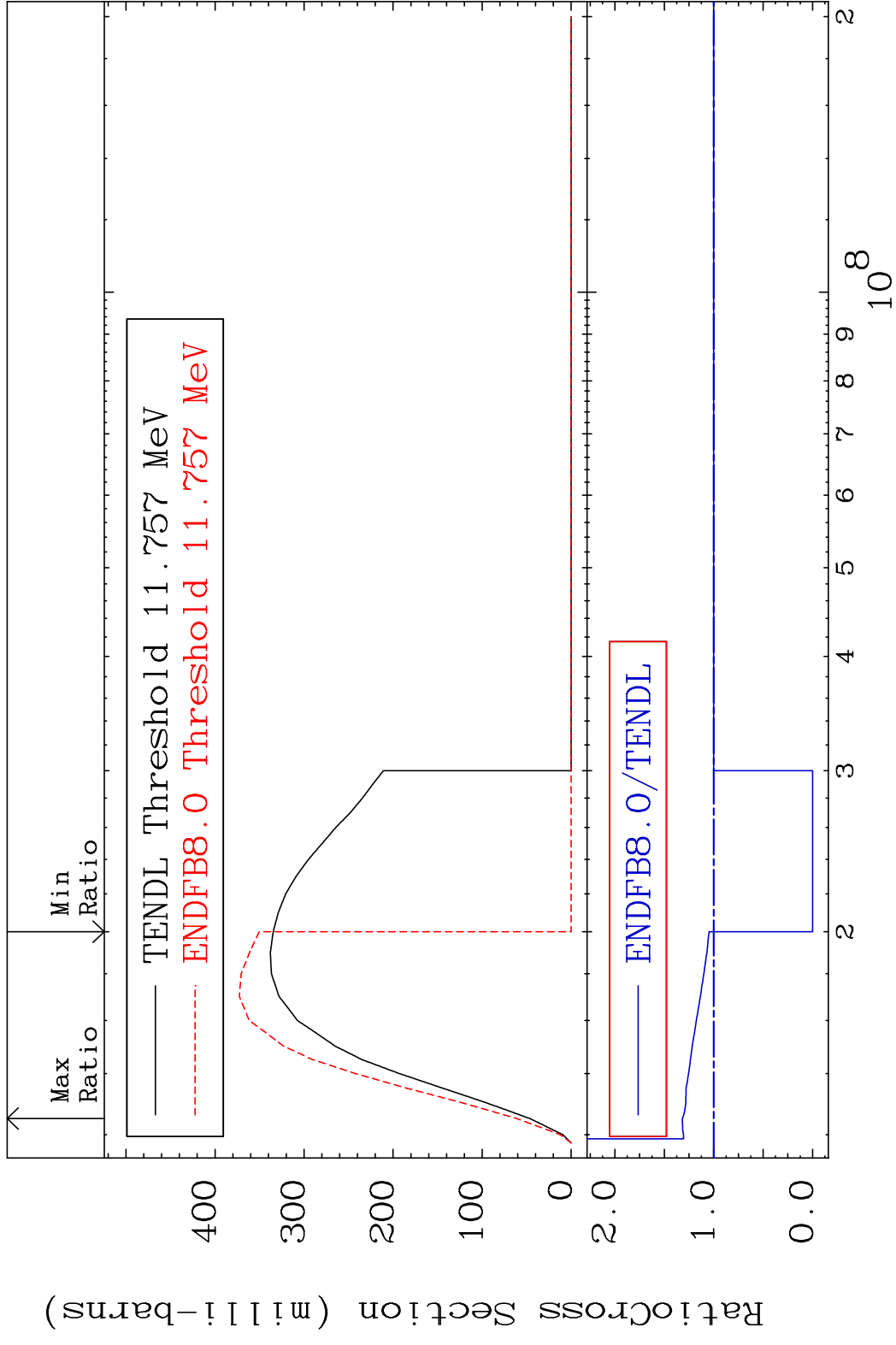


4

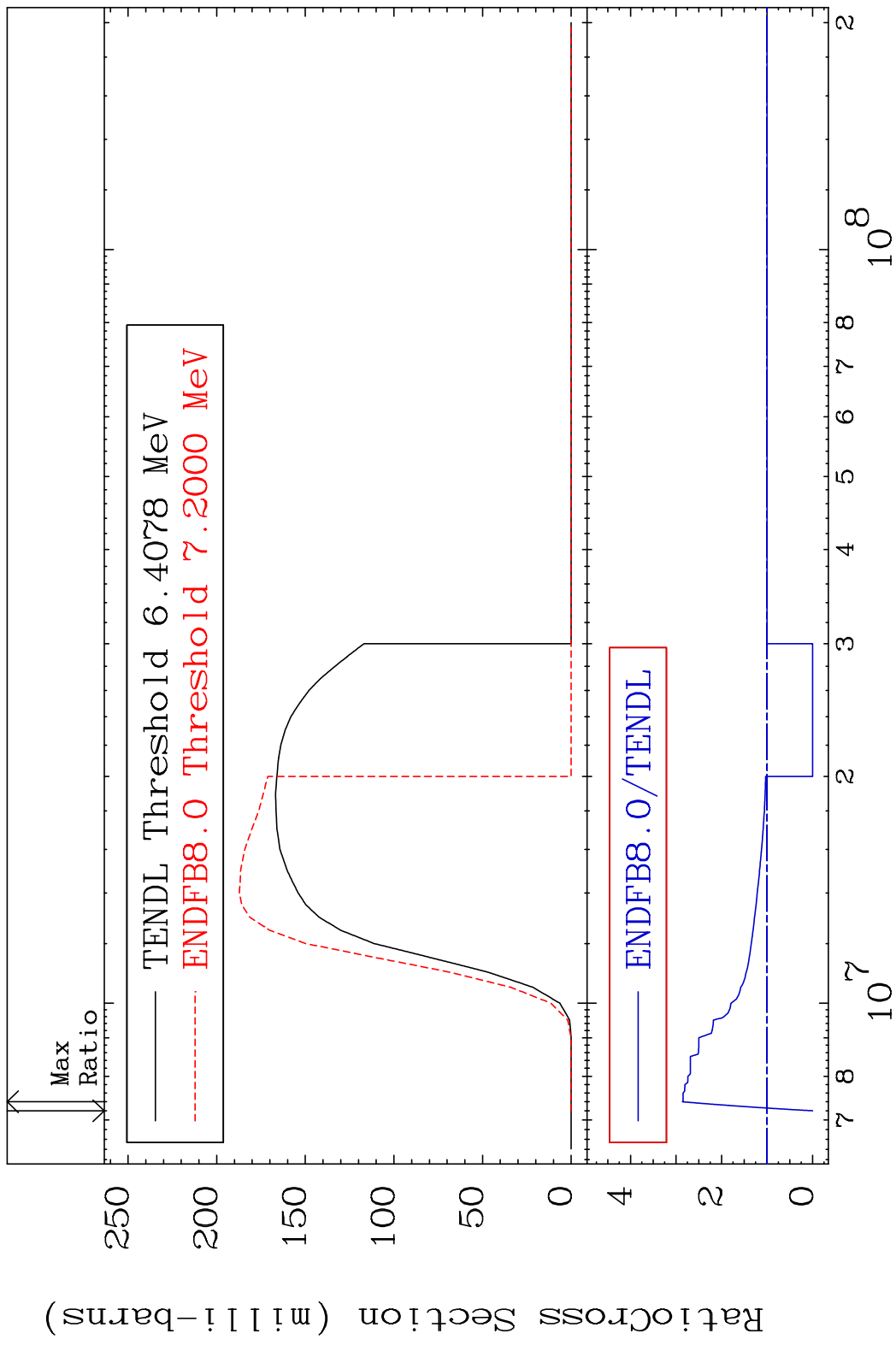
Incident Energy (eV)

20-Ca-42

MAT 2031 (n,2n) 20-Ca-42
 Cross Section -100.0 To 31.75 %

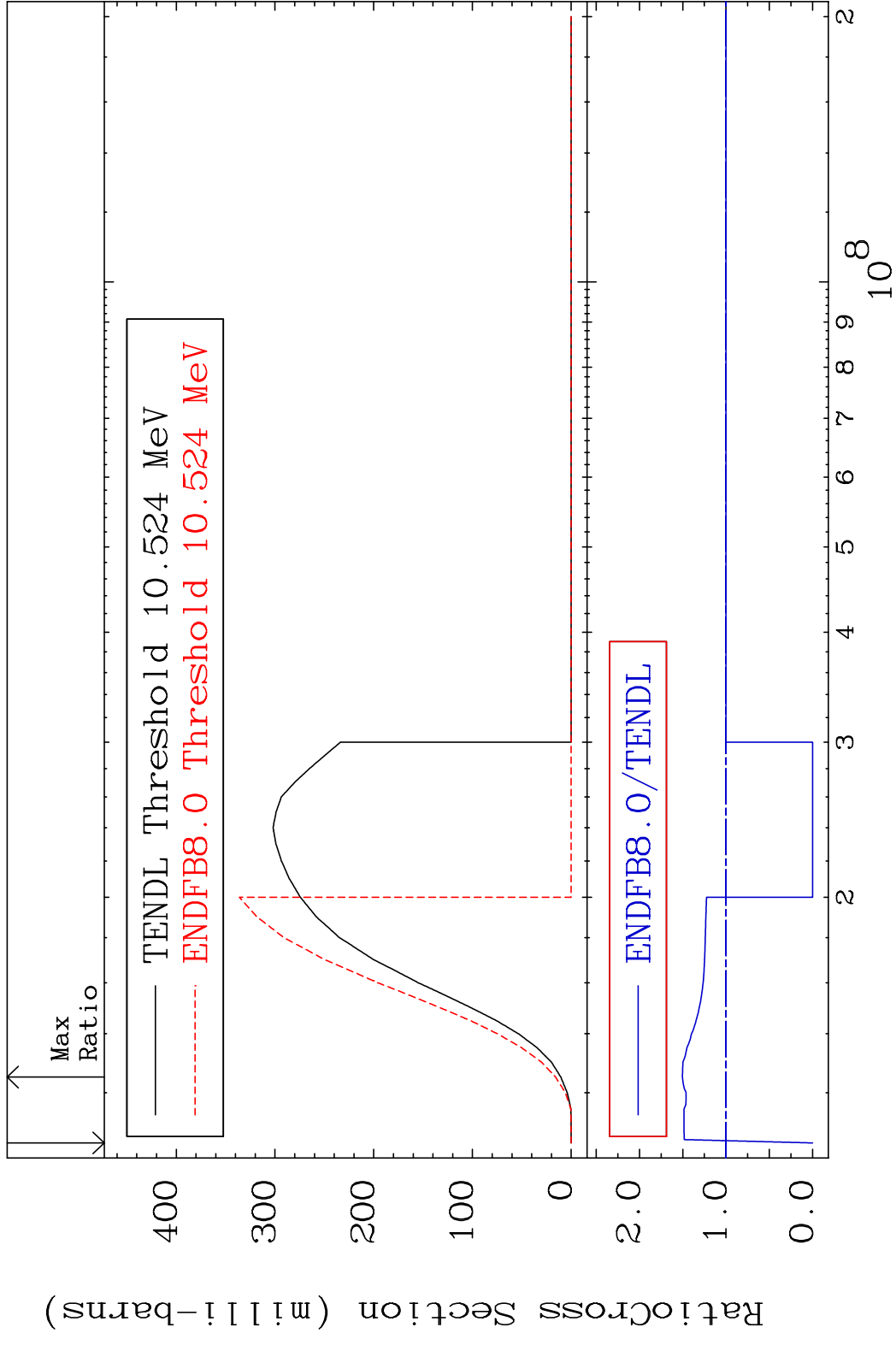


MAT 2031 (n, n') α 20-Ca-42
 Cross Section -100.0 To 186.1 %

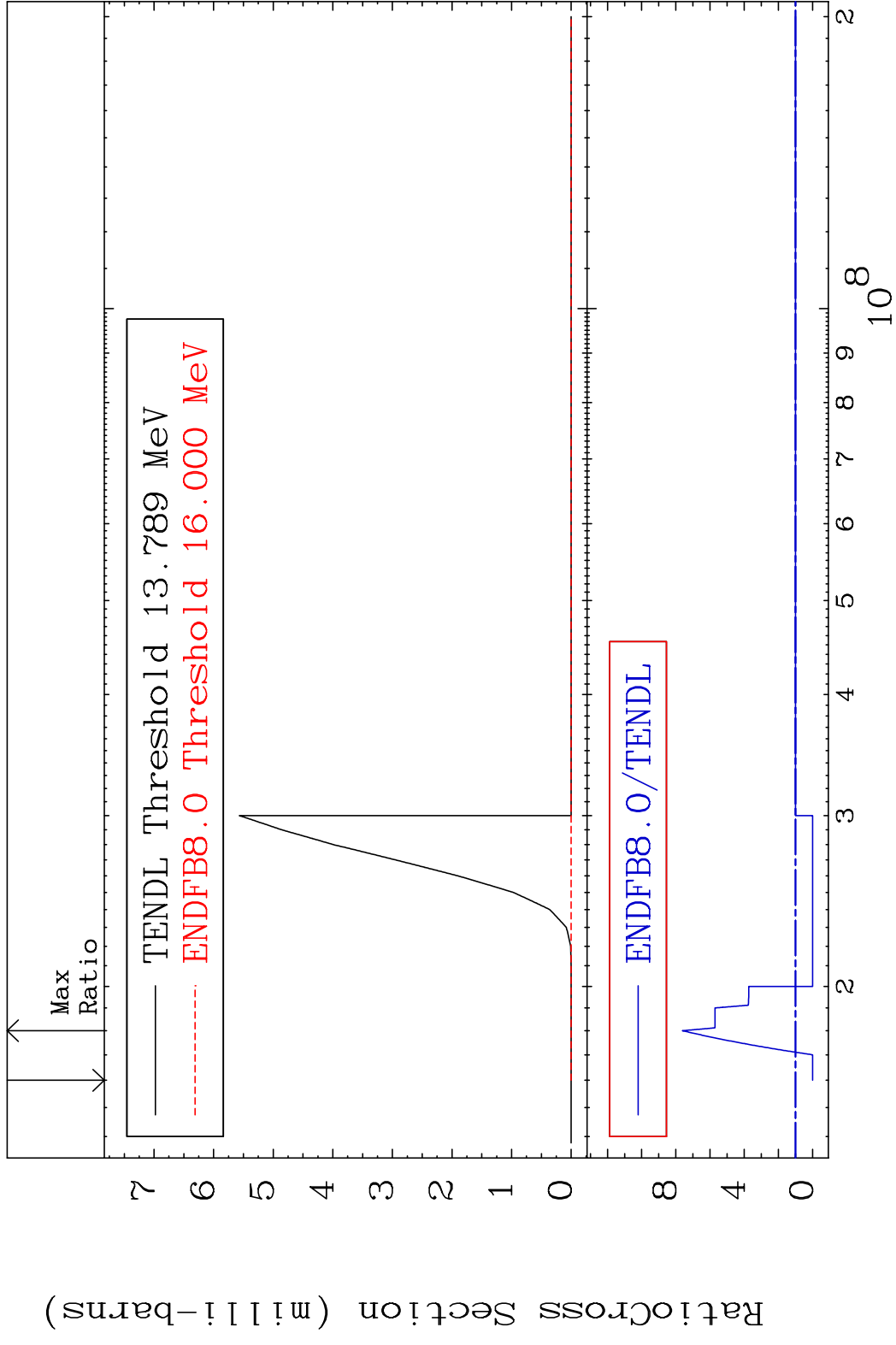


6 Incident Energy (eV) 20-Ca-42

MAT 2031 (n, n') p 20-Ca-42
 Cross Section -100.0 To 50.46 %

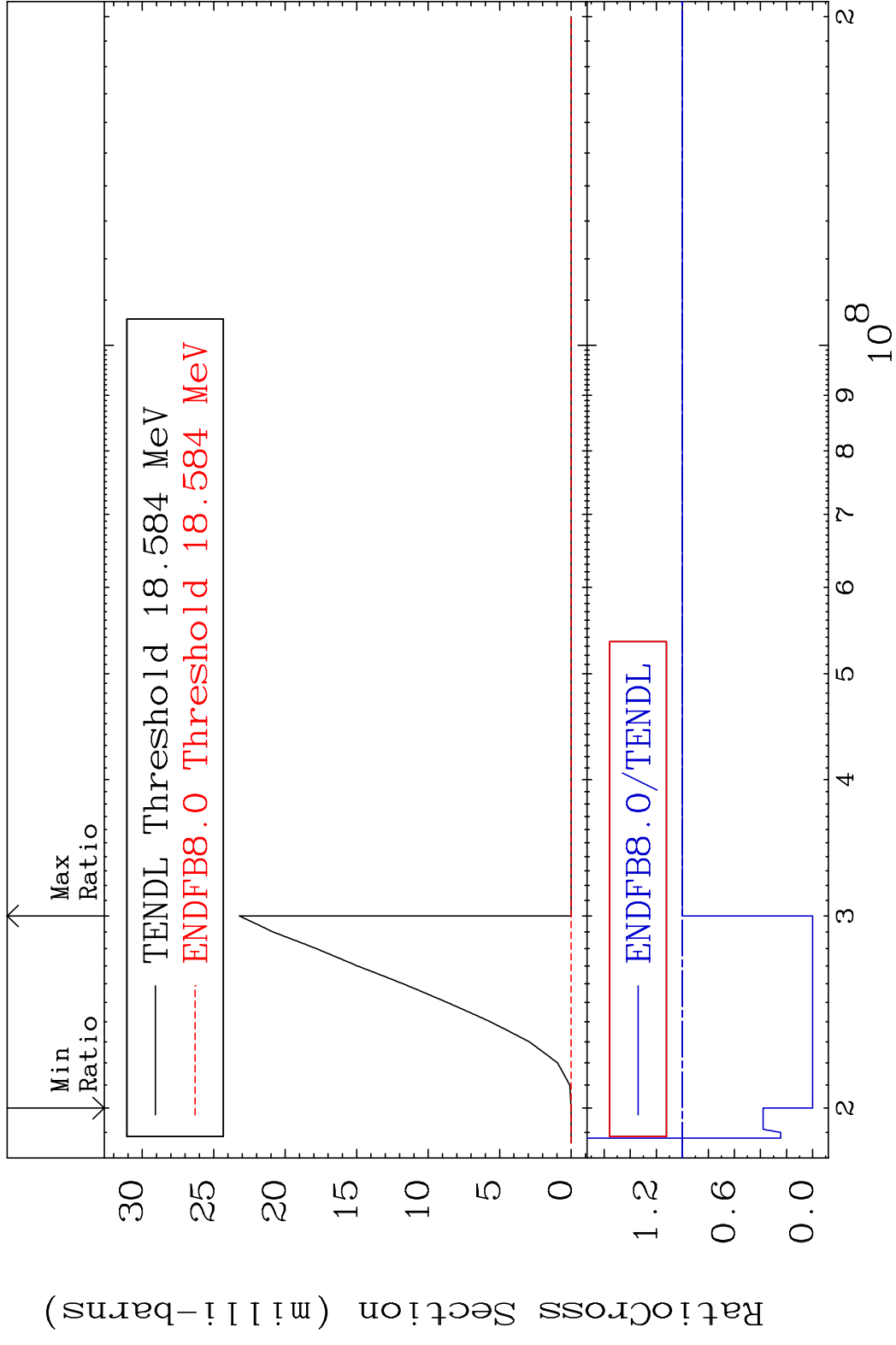


MAT 2031 (n, n') 2α 20-Ca-42
 Cross Section -100.0 To 661.9 %



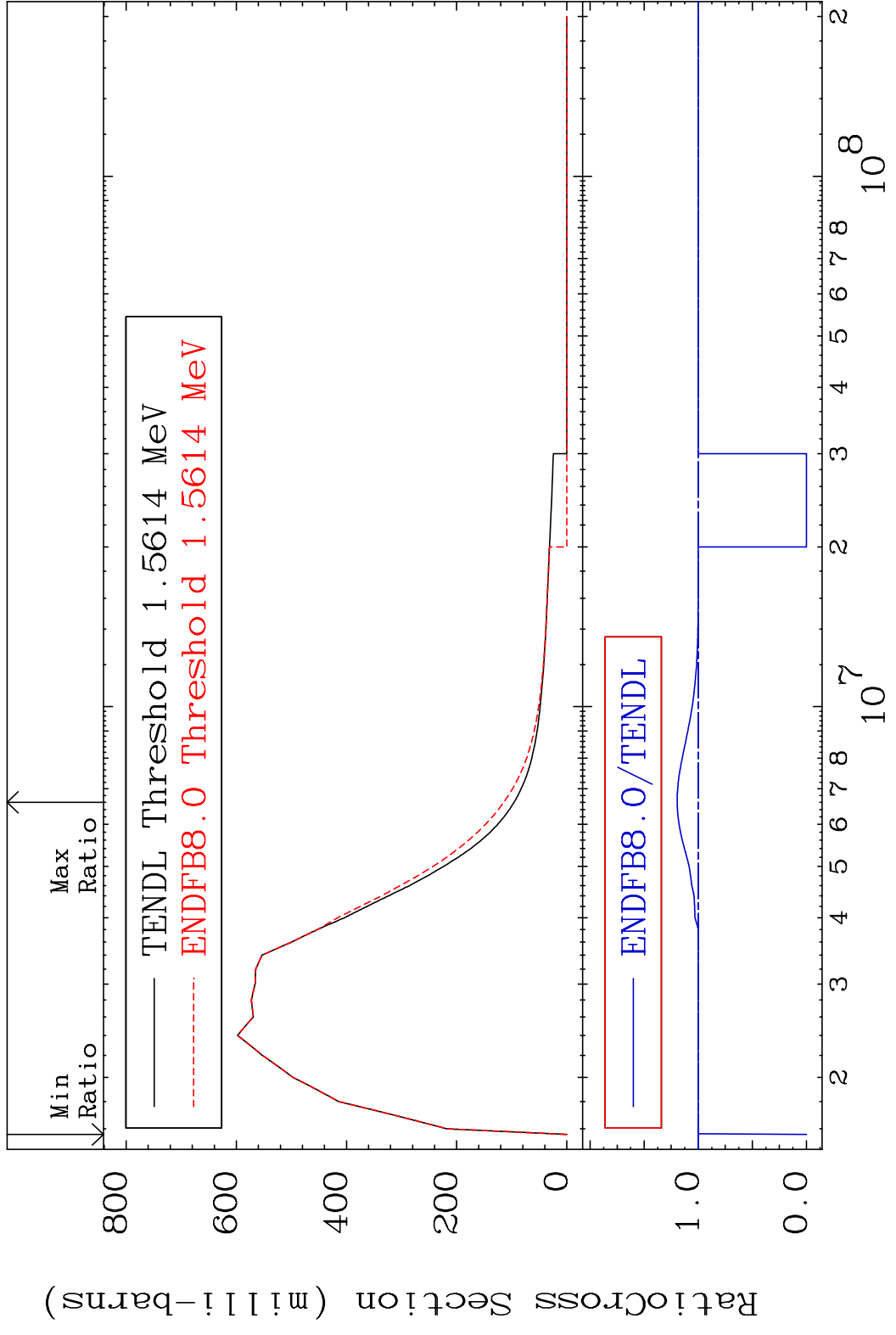
8 Incident Energy (eV) 20-Ca-42

MAT 2031 (n, n') d 20-Ca-42
 Cross Section -100.0 To 0.000 %

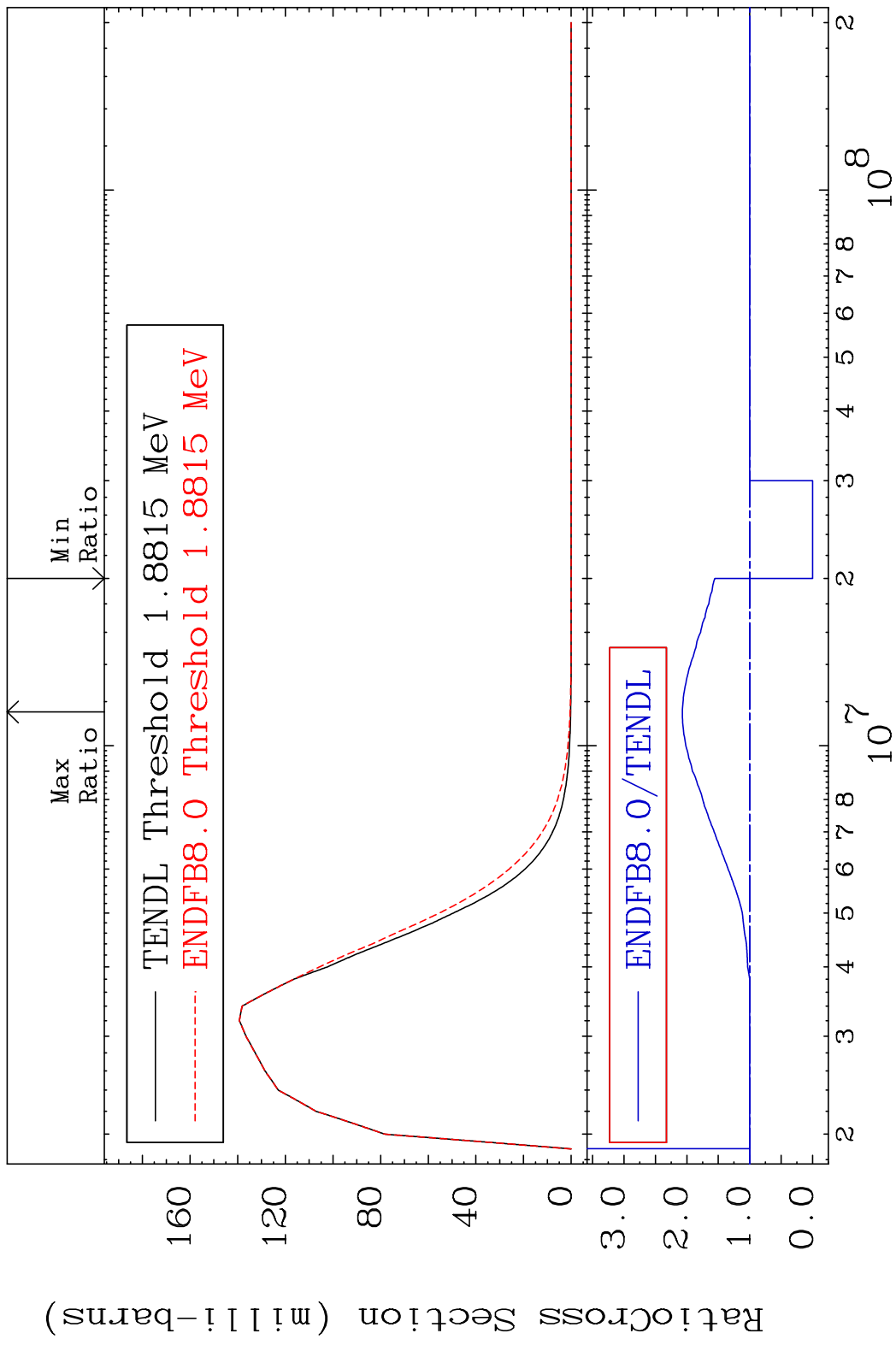


9 Incident Energy (eV) 20-Ca-42

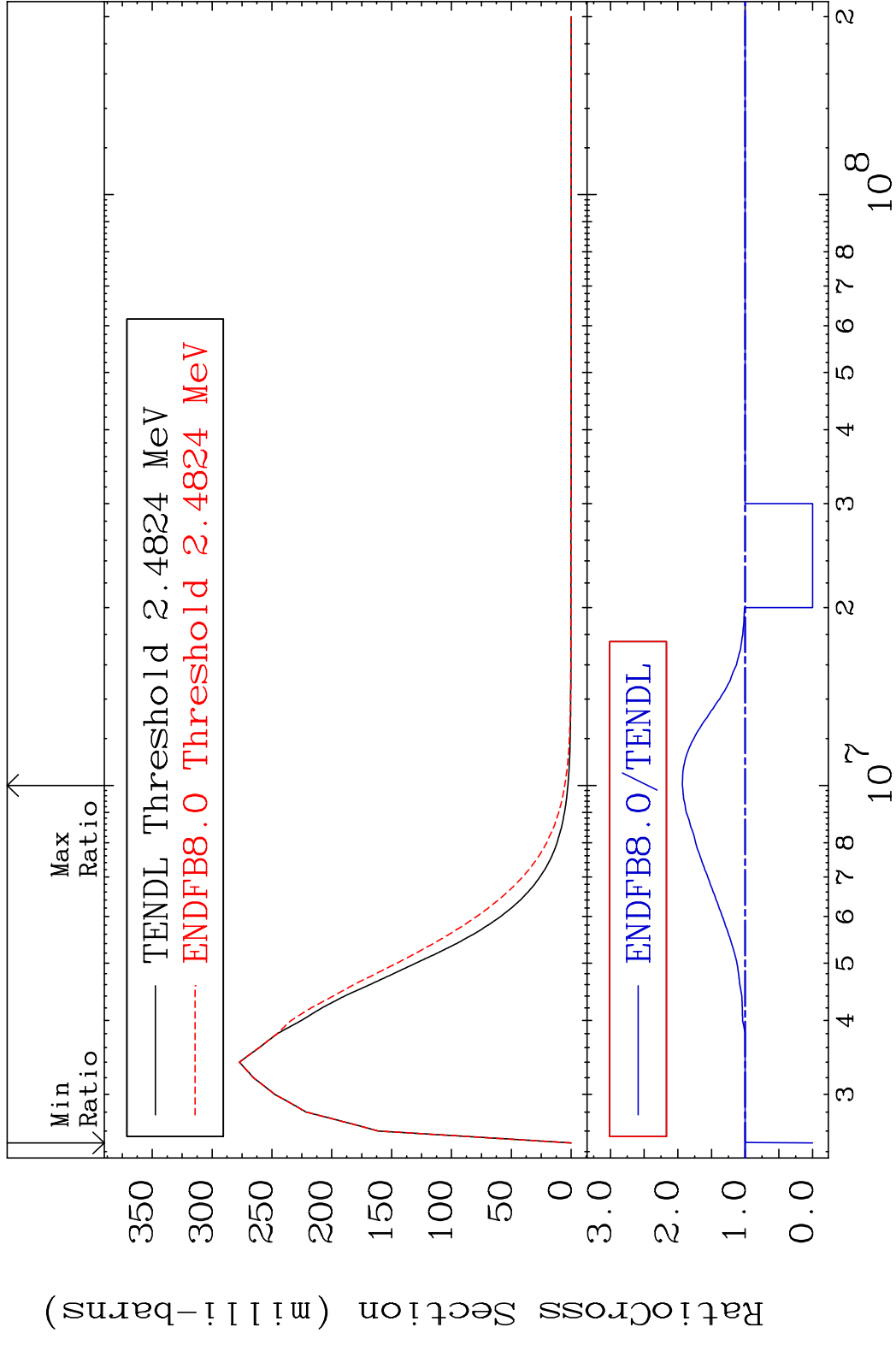
MAT 2031 MT= 51 (n,n') Level 20-Ca-42
Cross Section -100.0 To 19.48 %



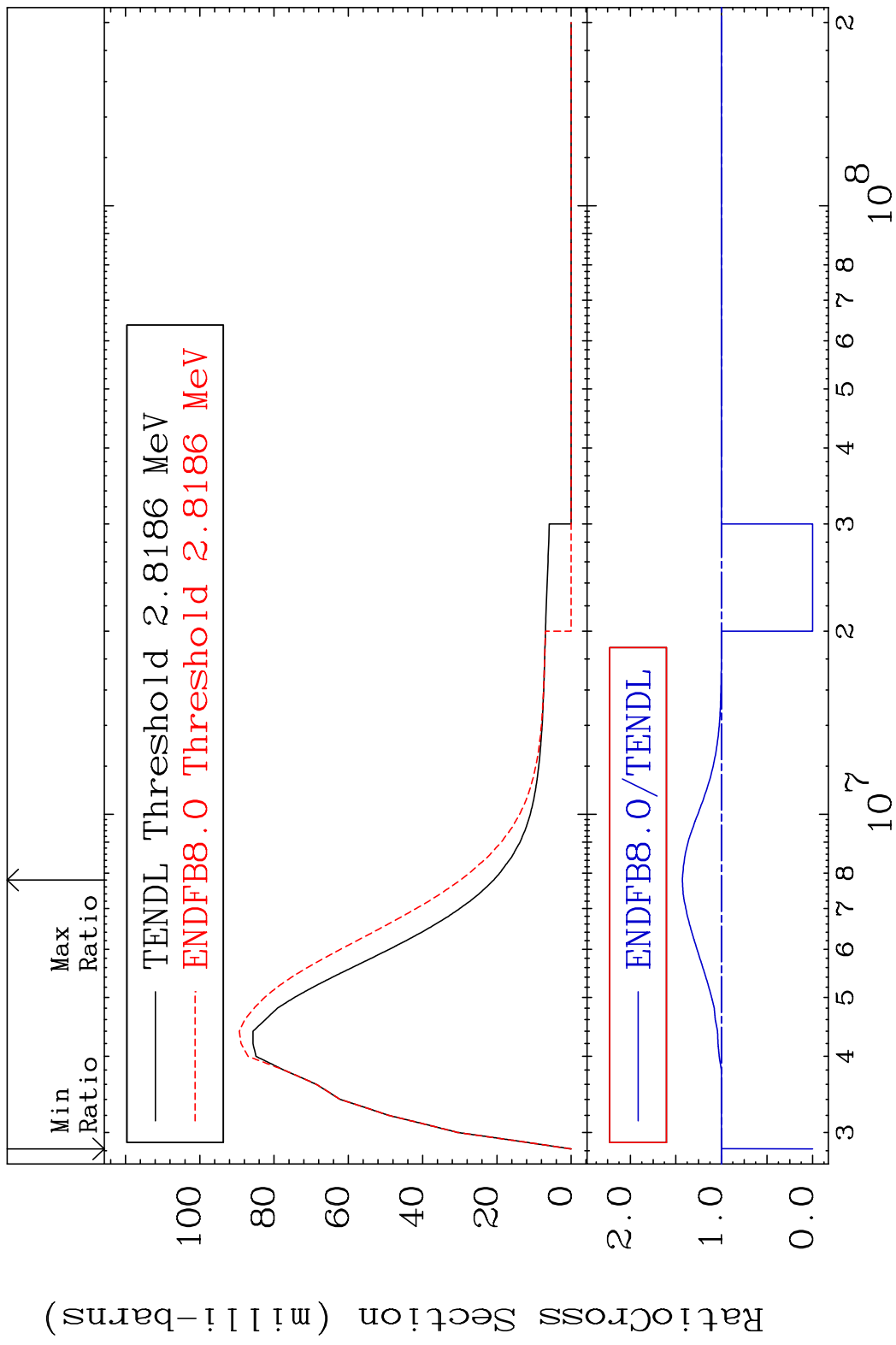
MAT 2031 MT= 52 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 107.2 %



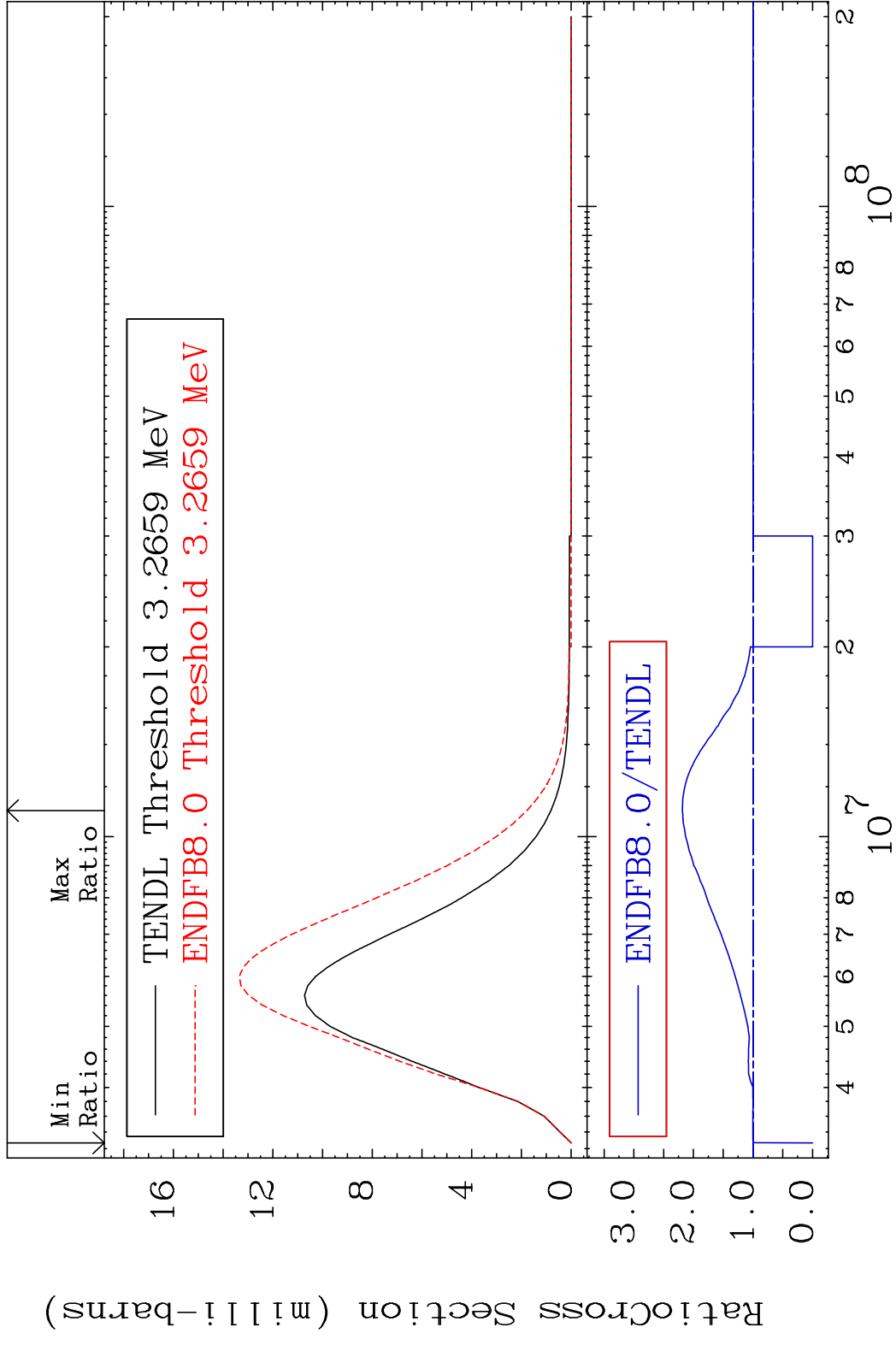
MAT 2031 MT= 53 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 93.27 %



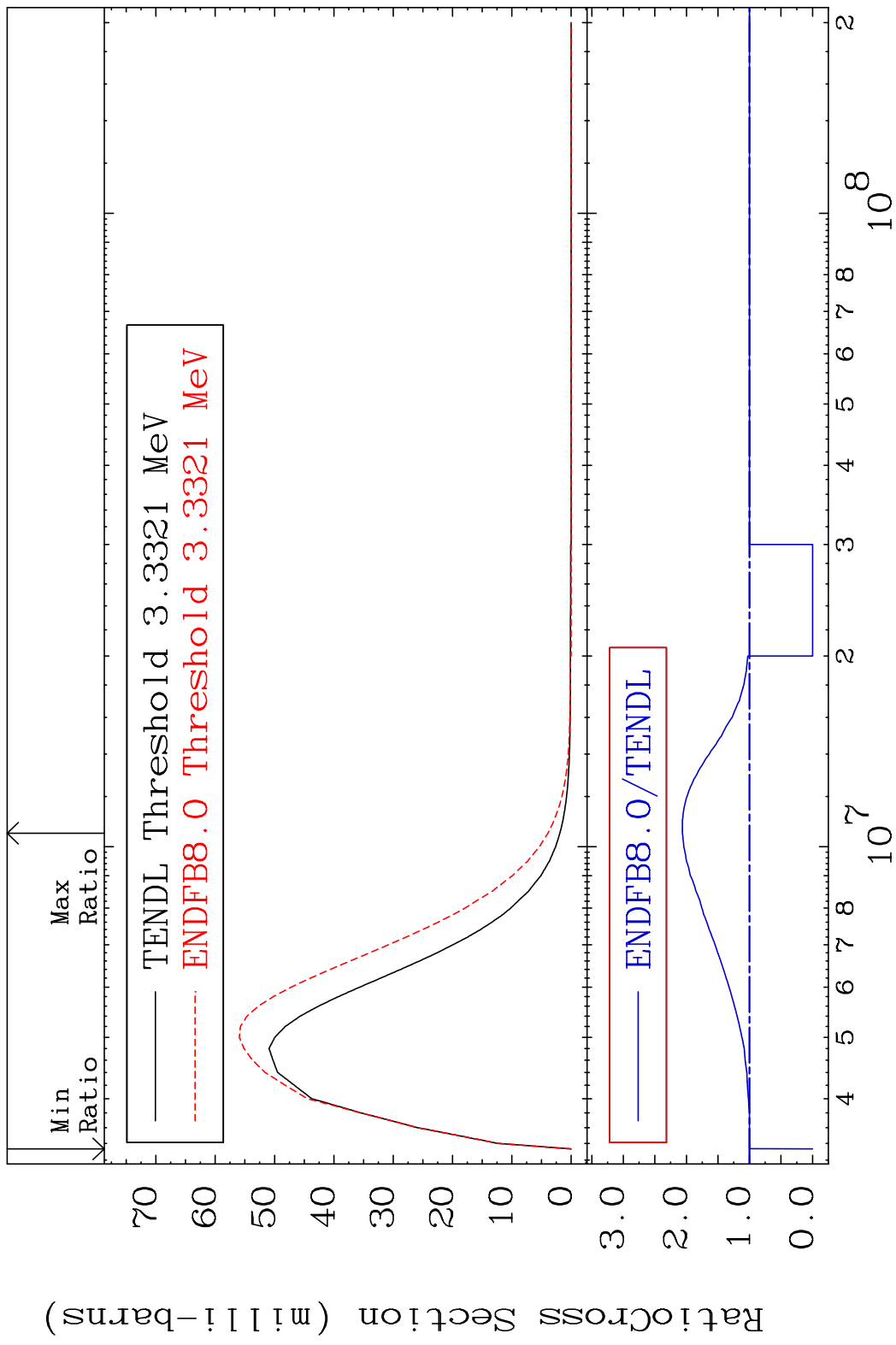
MAT 2031 MT= 54 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 42.89 %



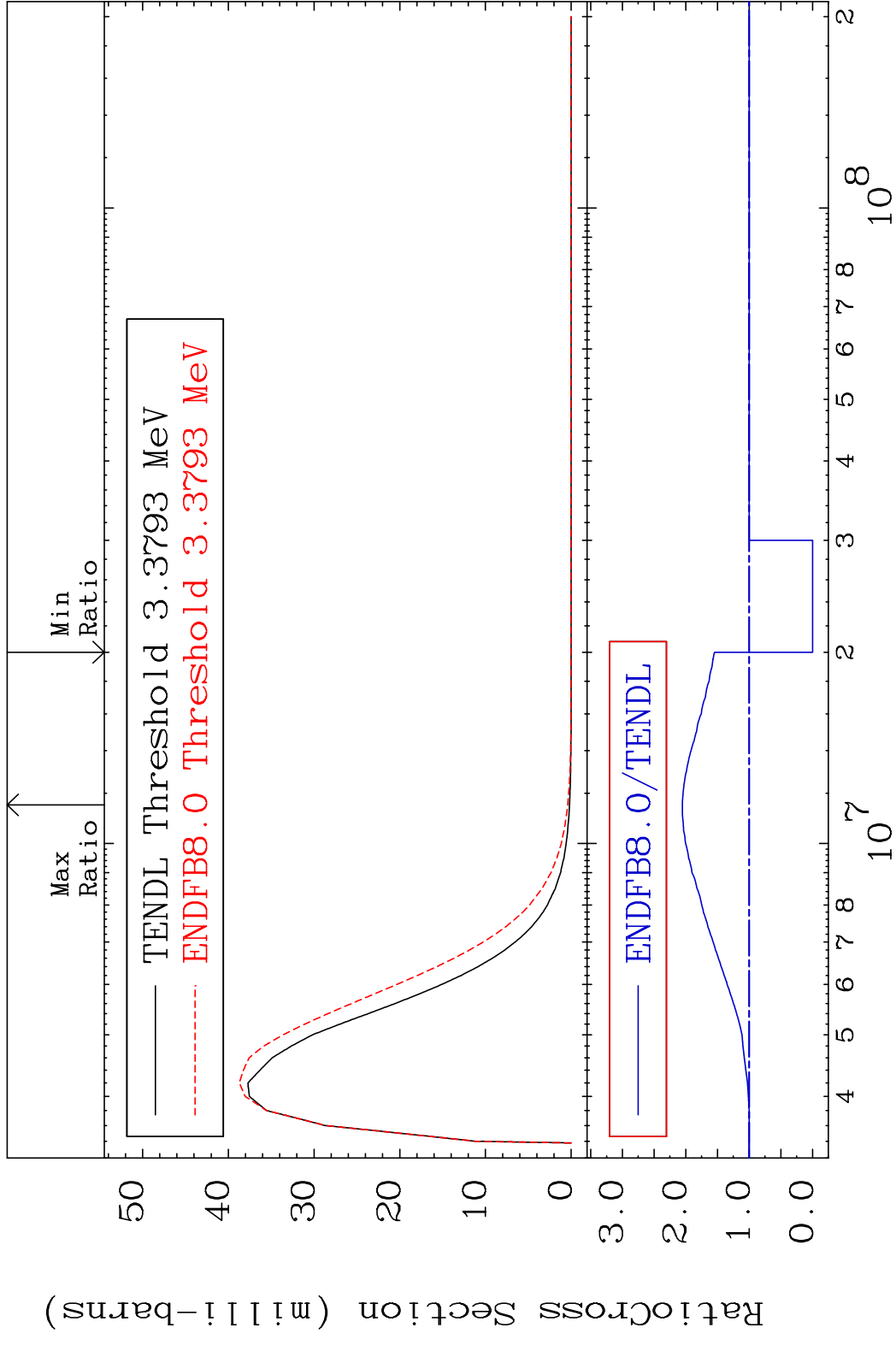
MAT 2031 MT= 55 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 118.6 %



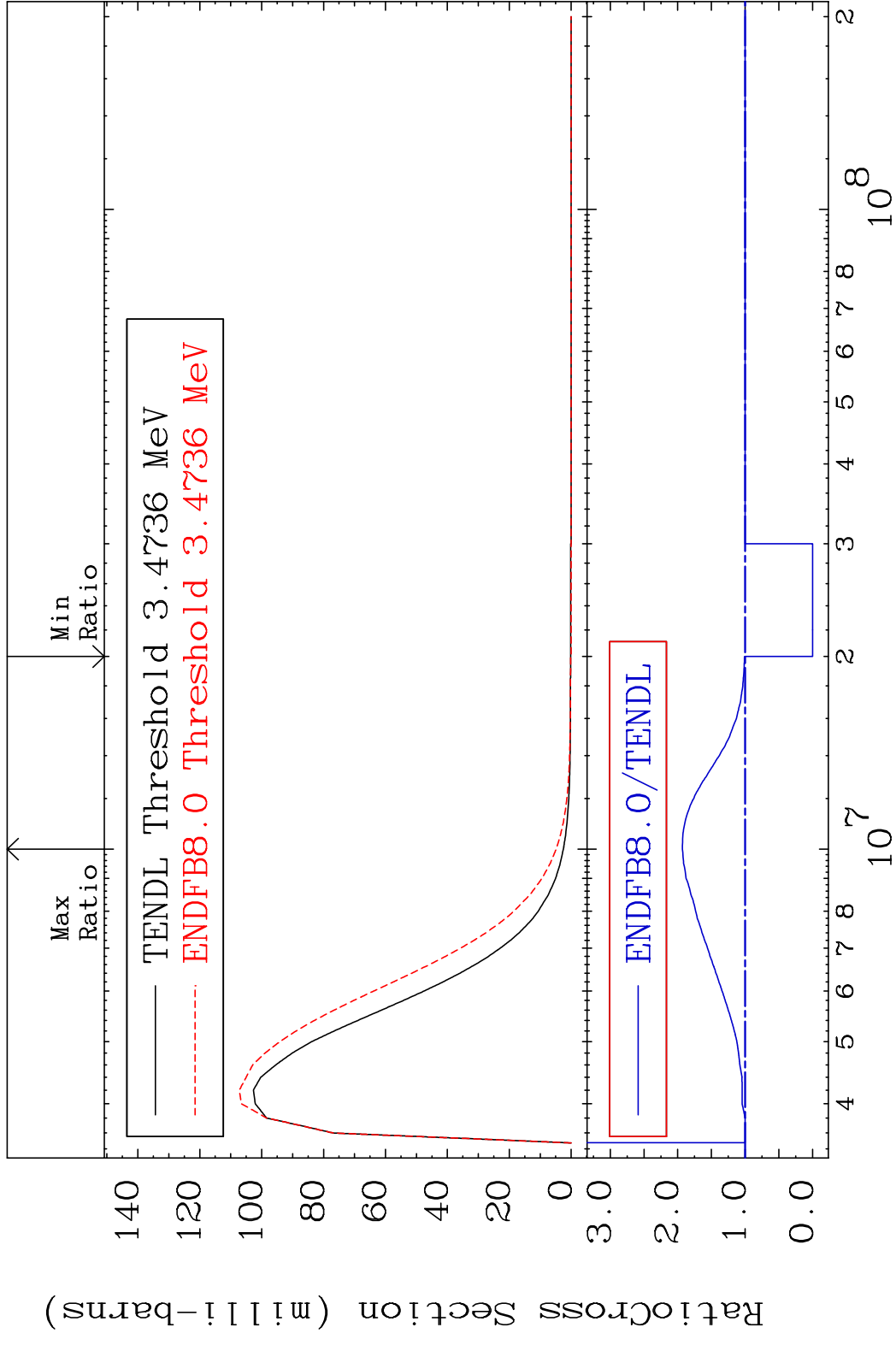
MAT 2031 MT= 56 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 106.4 %



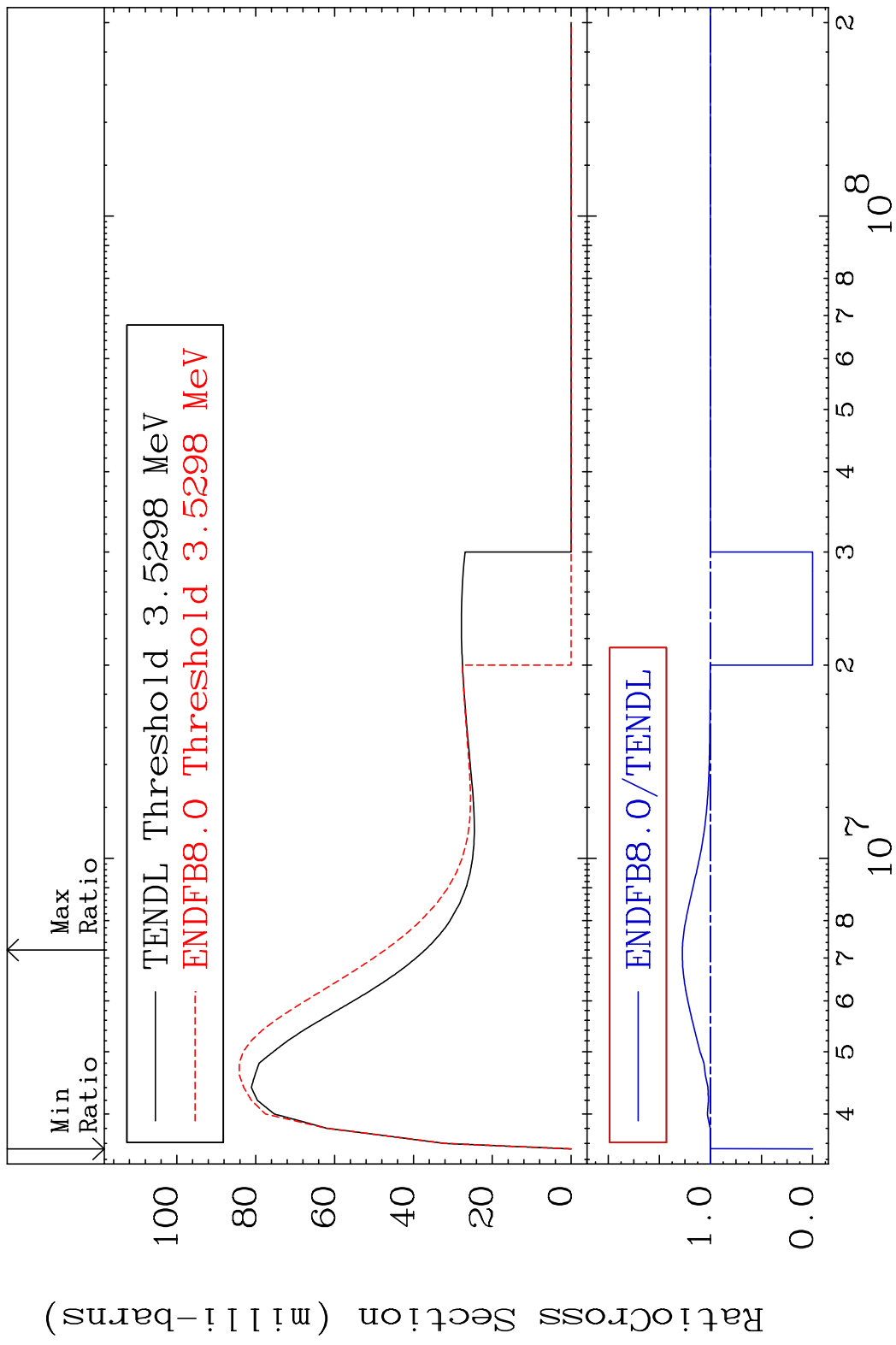
MAT 2031 MT= 57 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 105.4 %



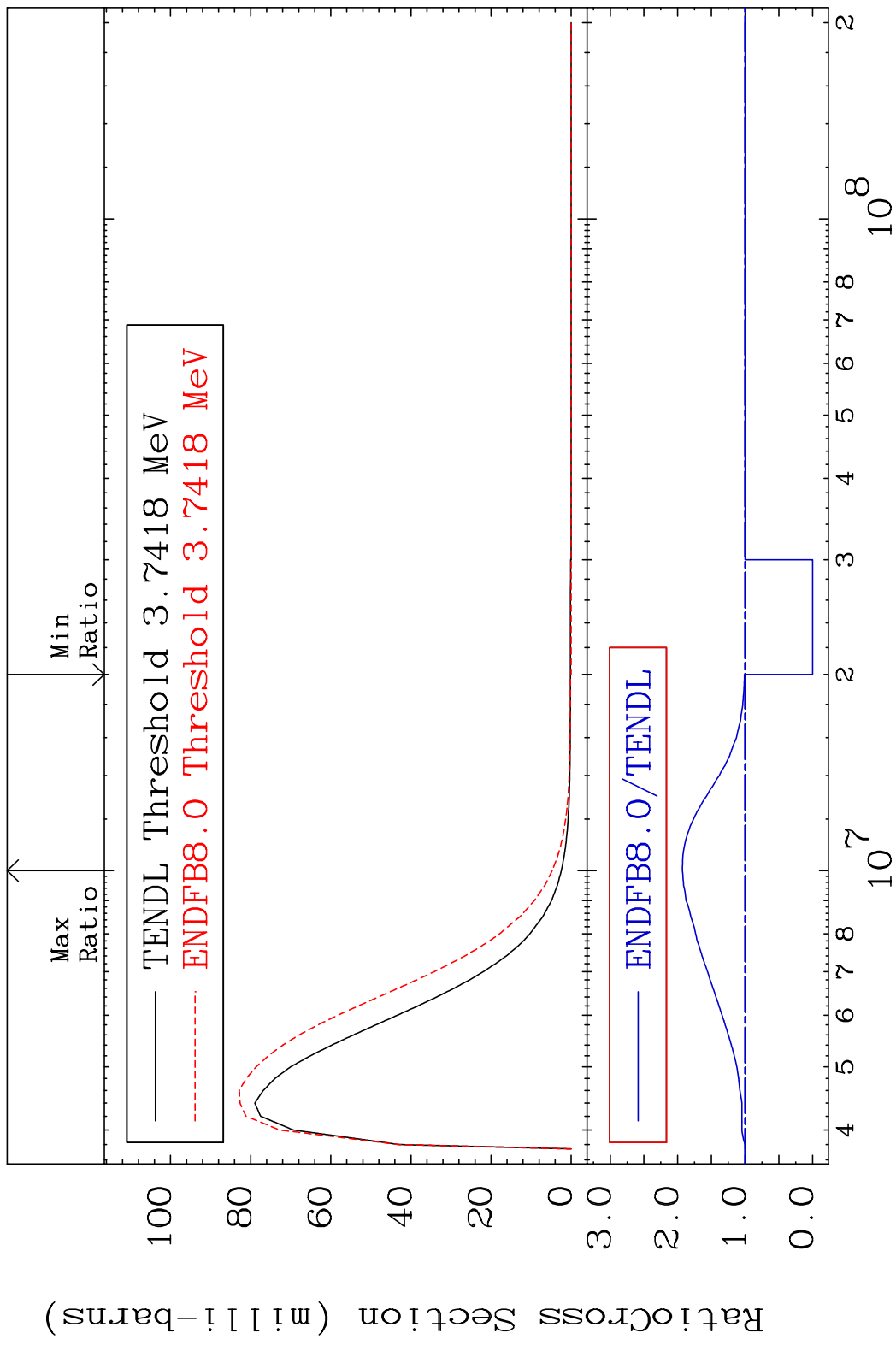
MAT 2031 MT= 58 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 93.09 %



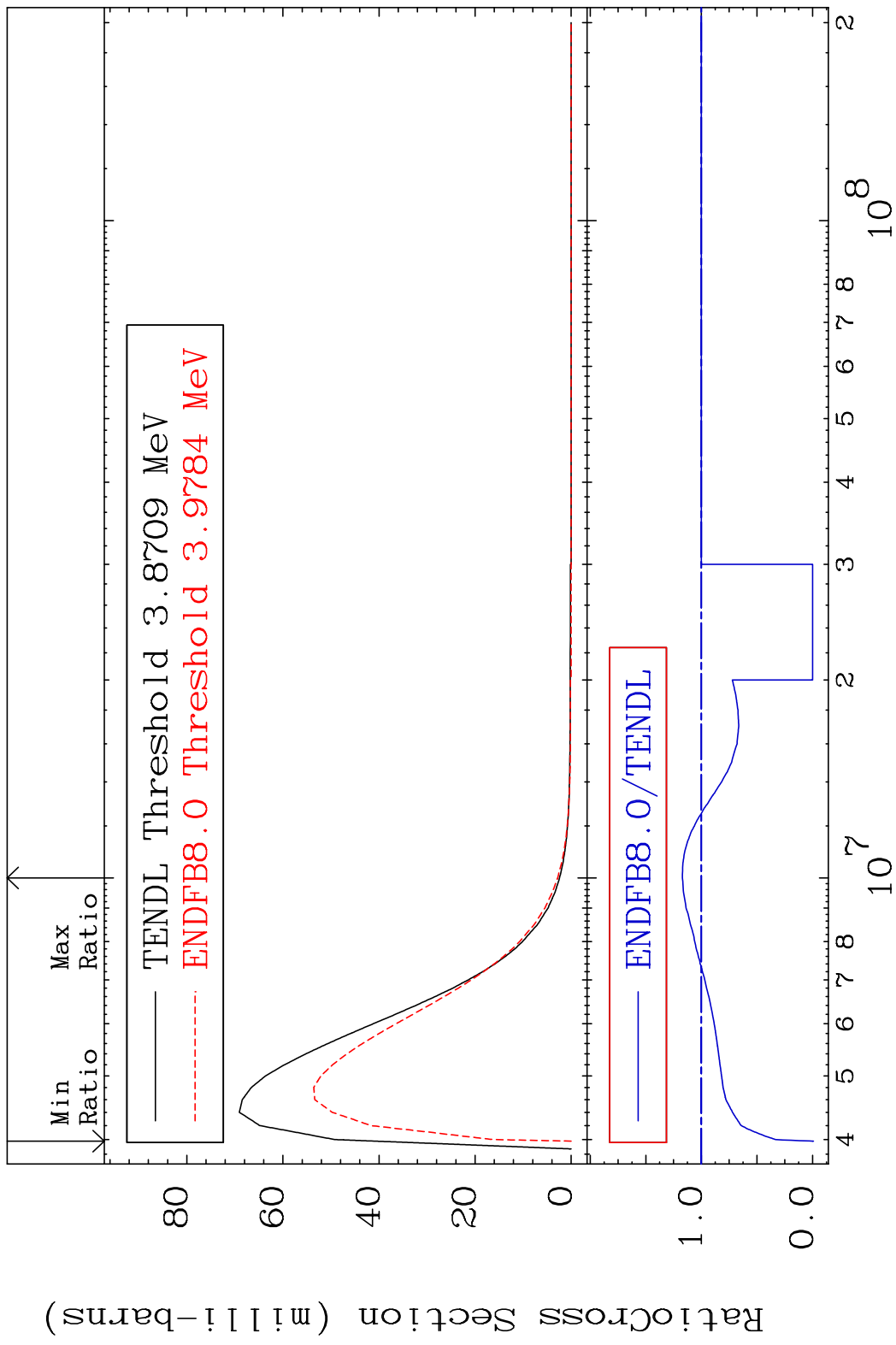
MAT 2031 MT= 59 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 27.42 %



MAT 2031 MT= 60 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 93.06 %

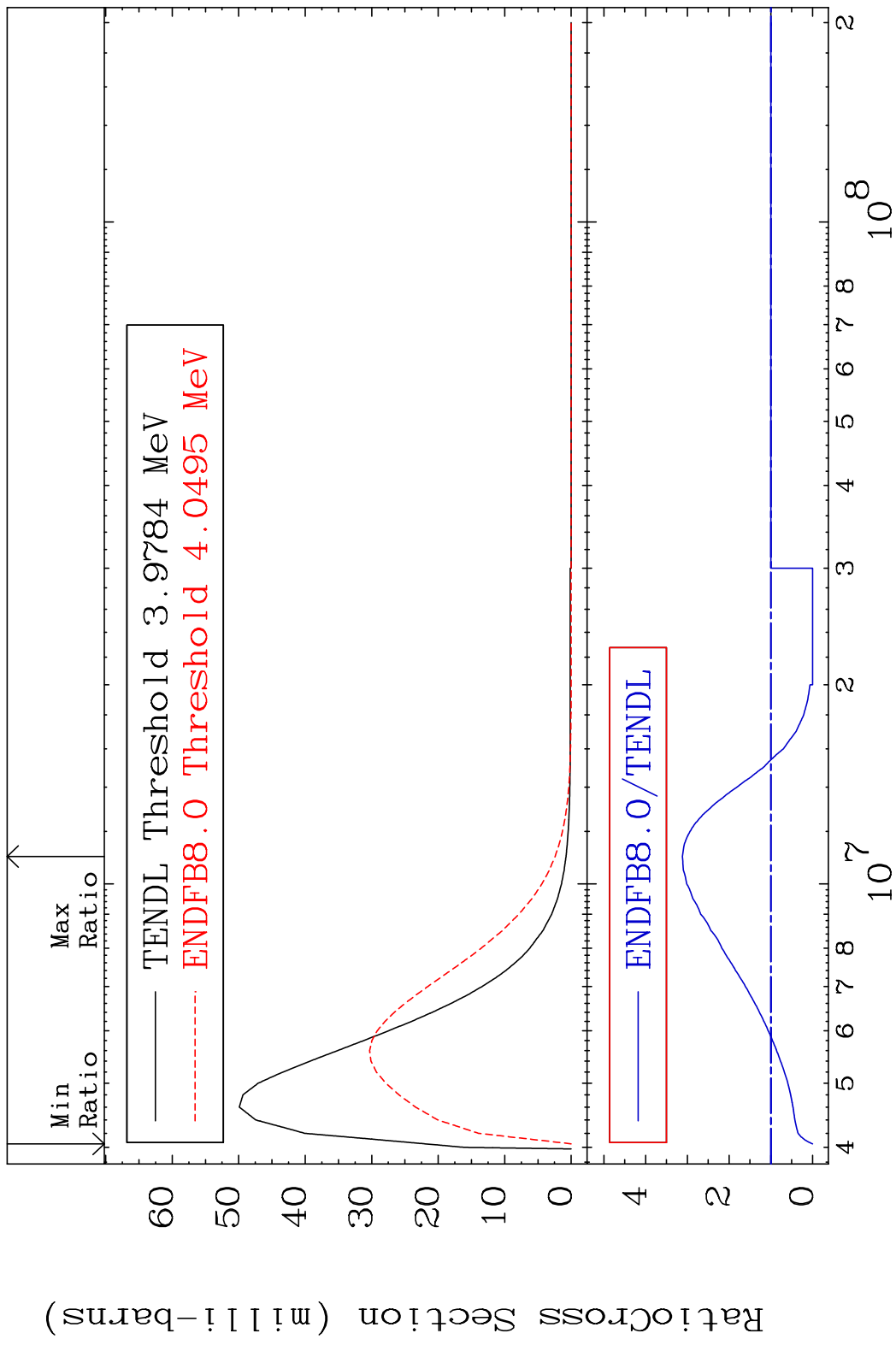


MAT 2031 MT= 61 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 17.12 %

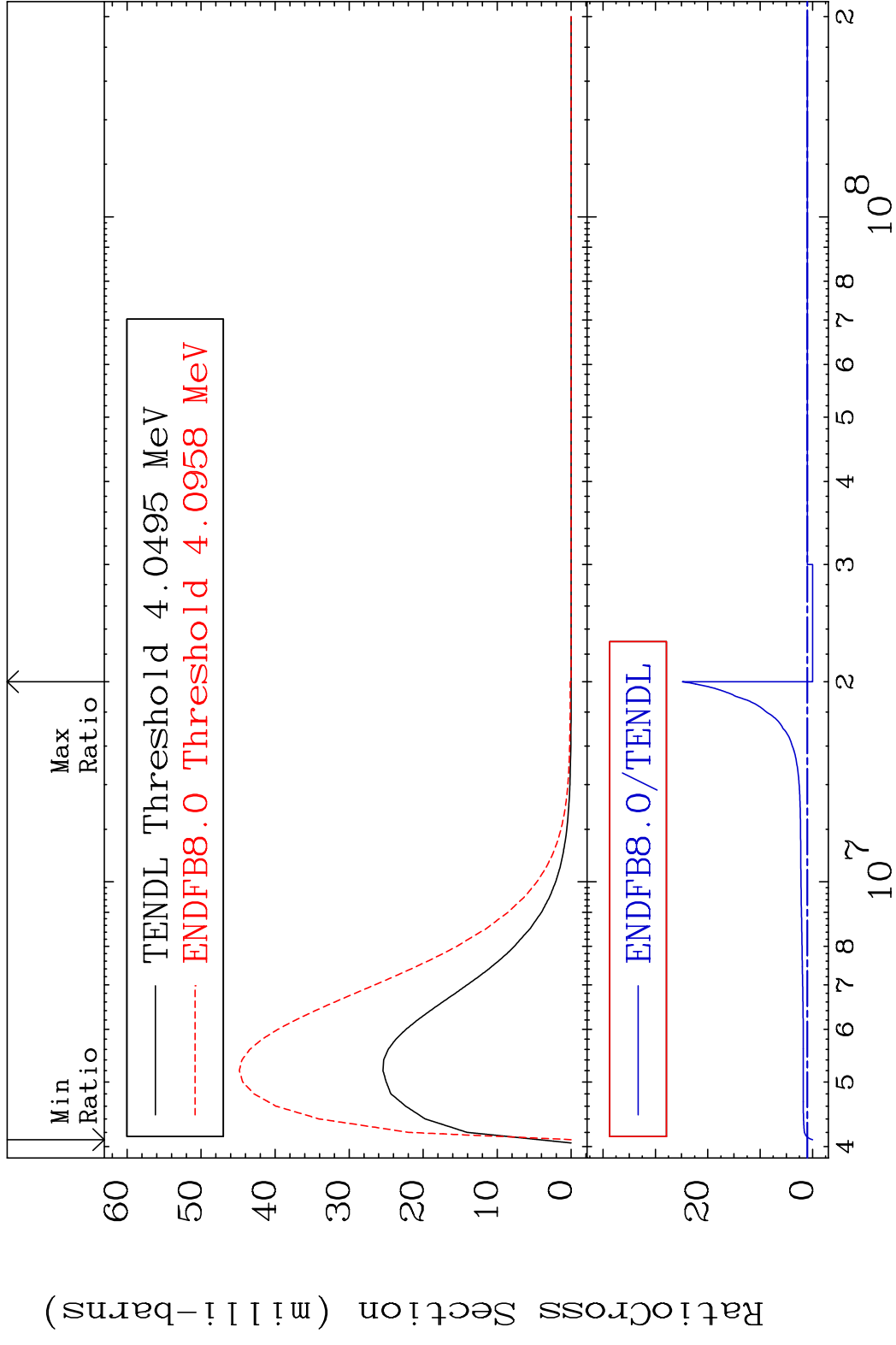


20 Incident Energy (eV) 20-Ca-42

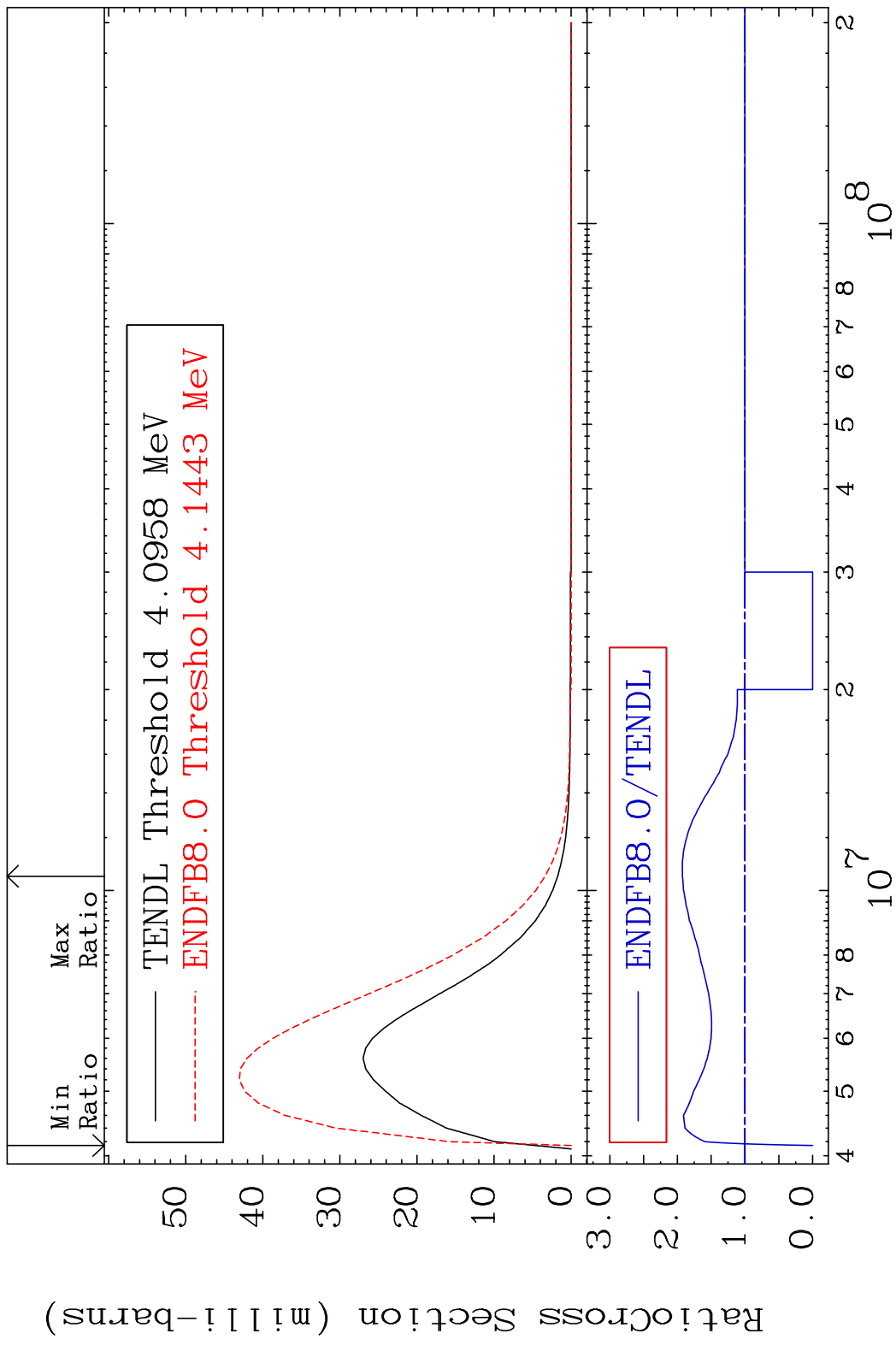
MAT 2031 MT= 62 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 212.0 %



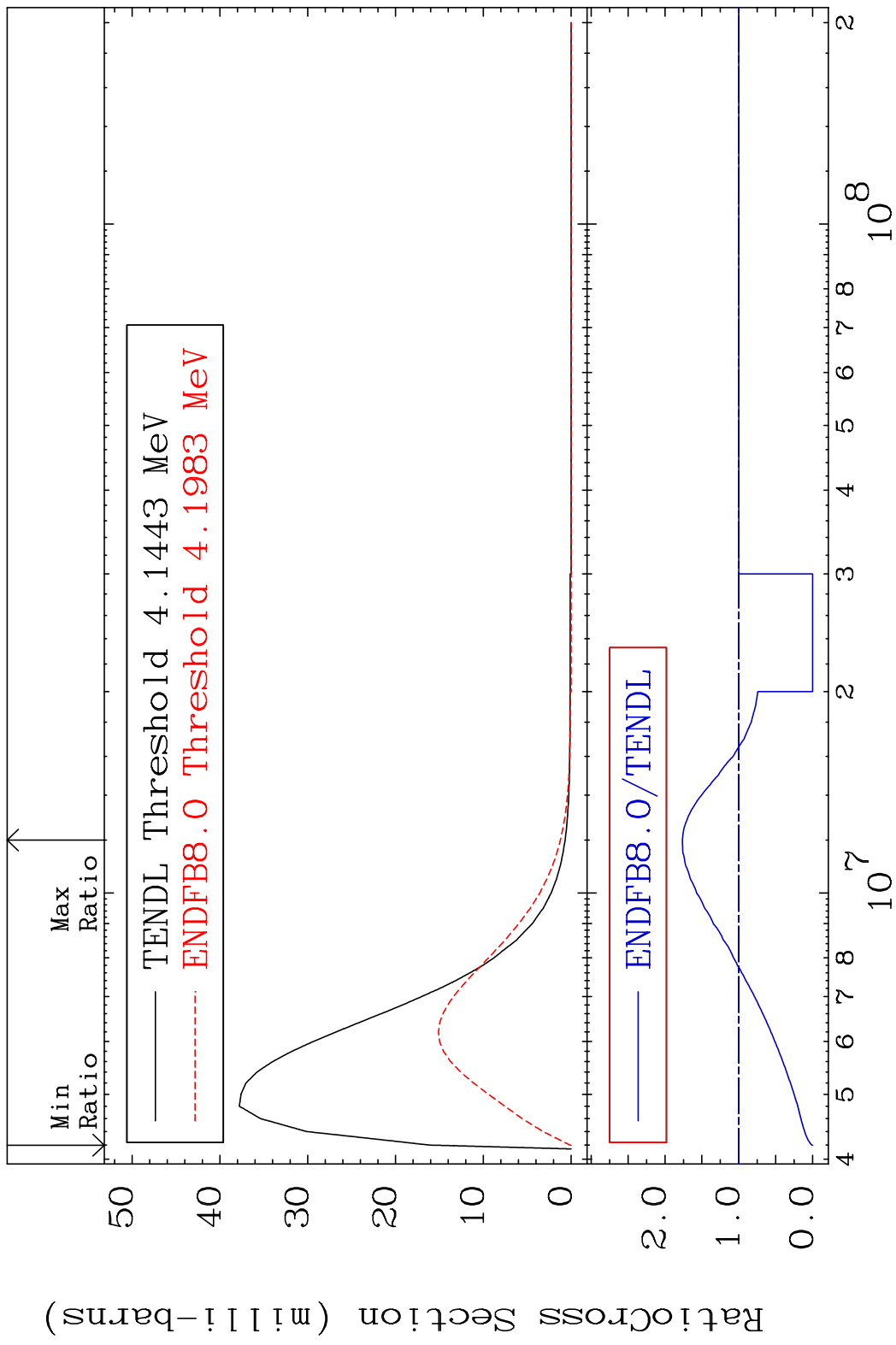
MAT 2031 MT= 63 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 2385. %



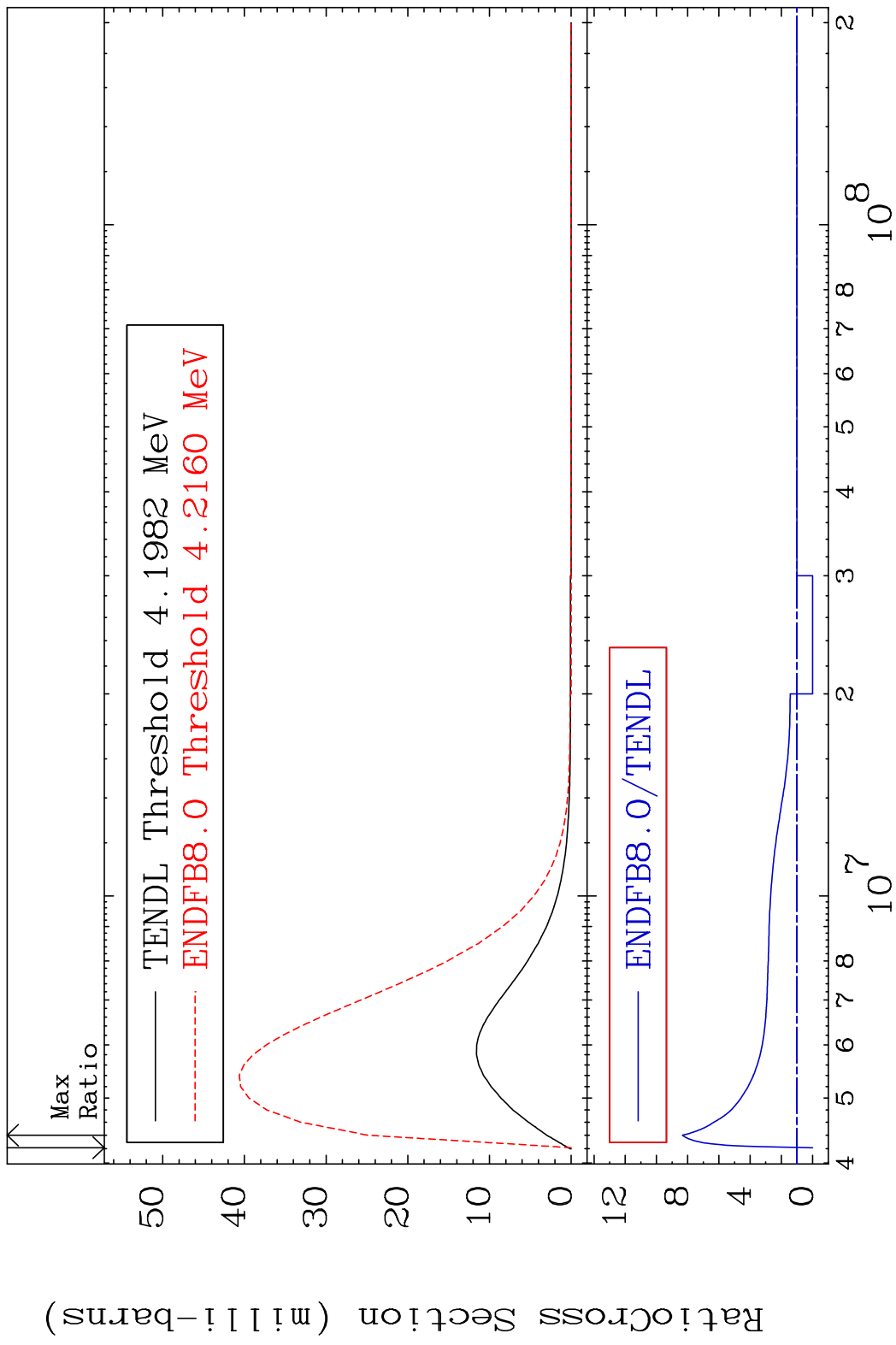
MAT 2031 MT= 64 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 92.63 %



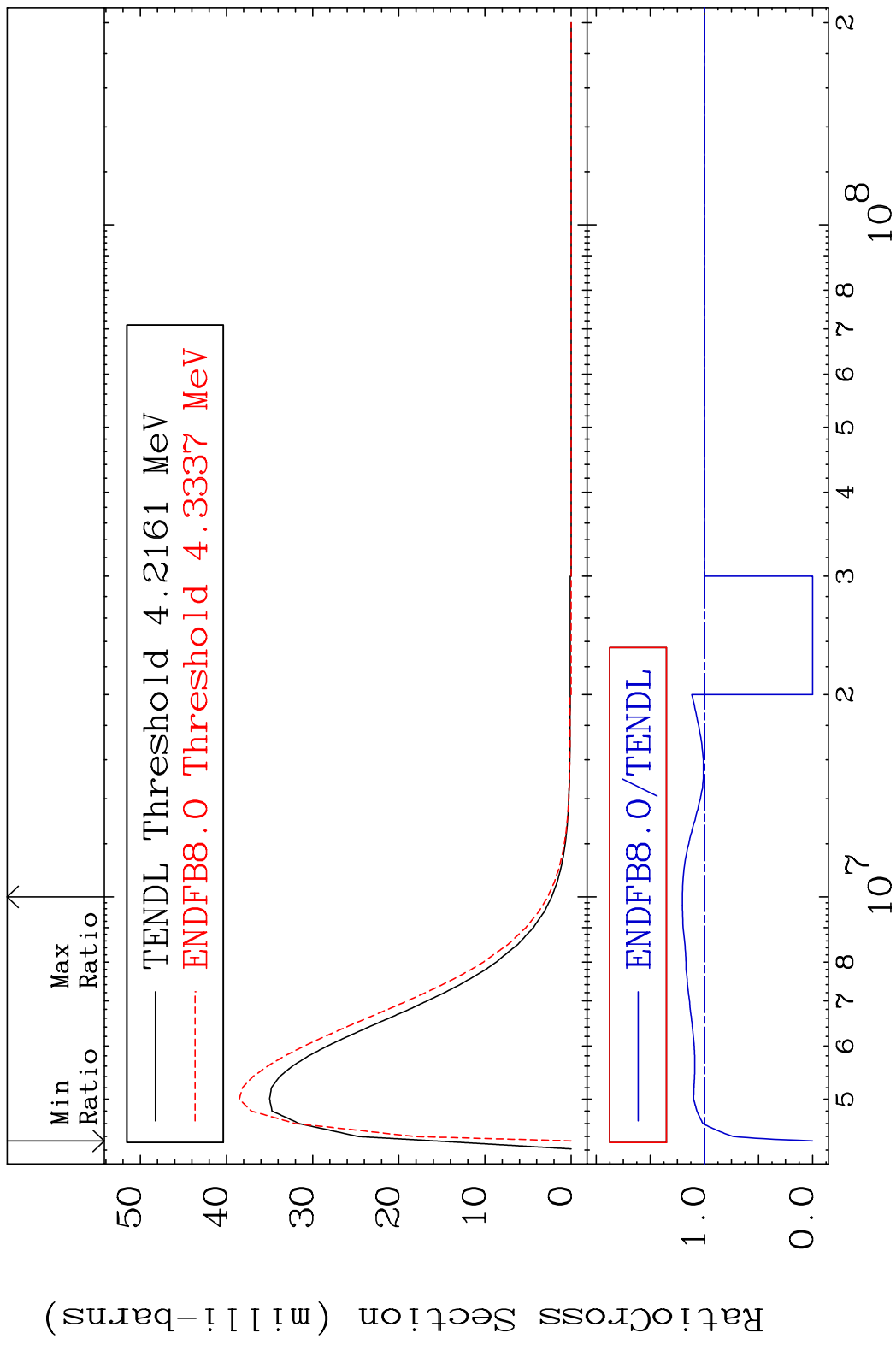
MAT 2031 MT= 65 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 76.44 %



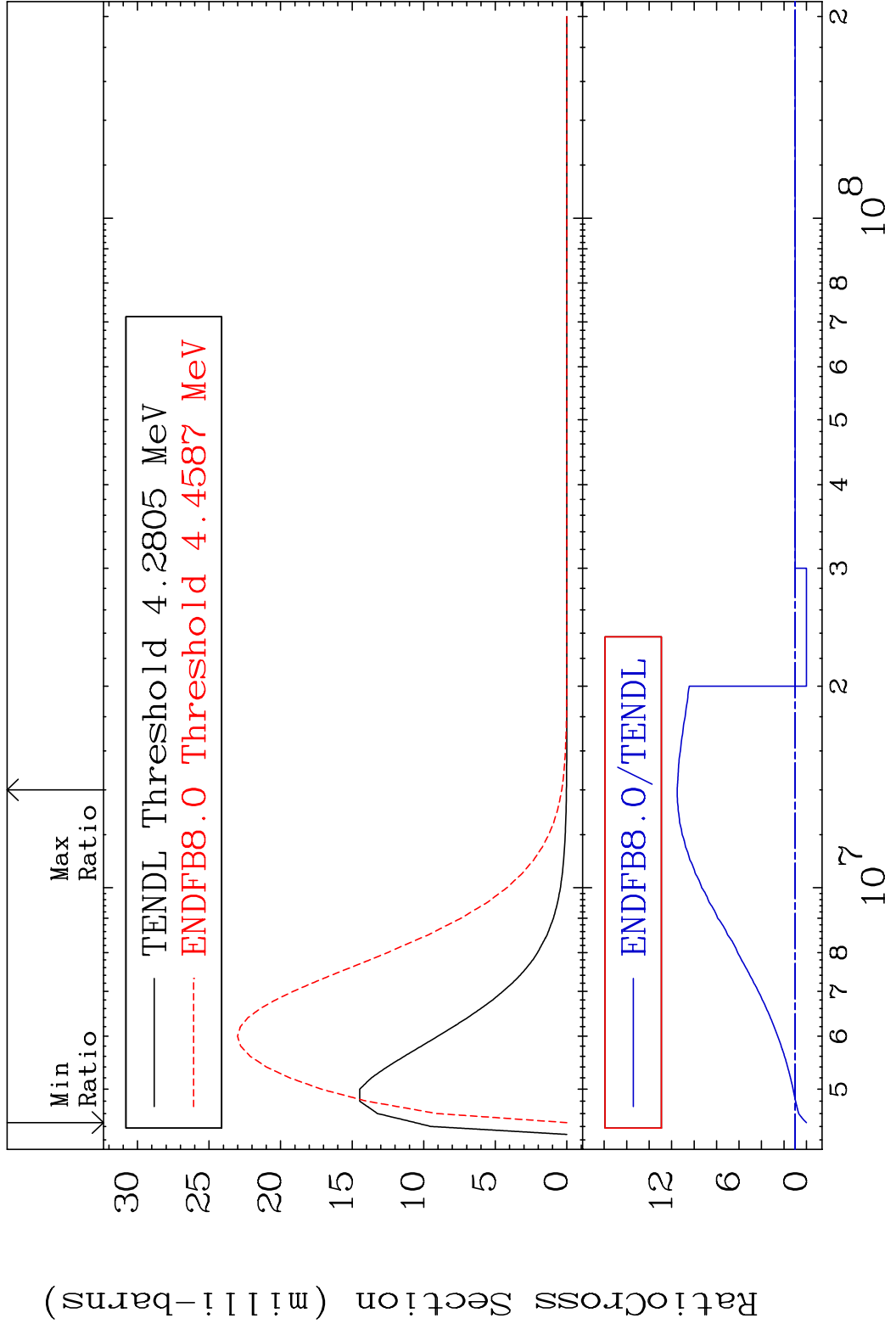
MAT 2031 MT= 66 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 734.2 %



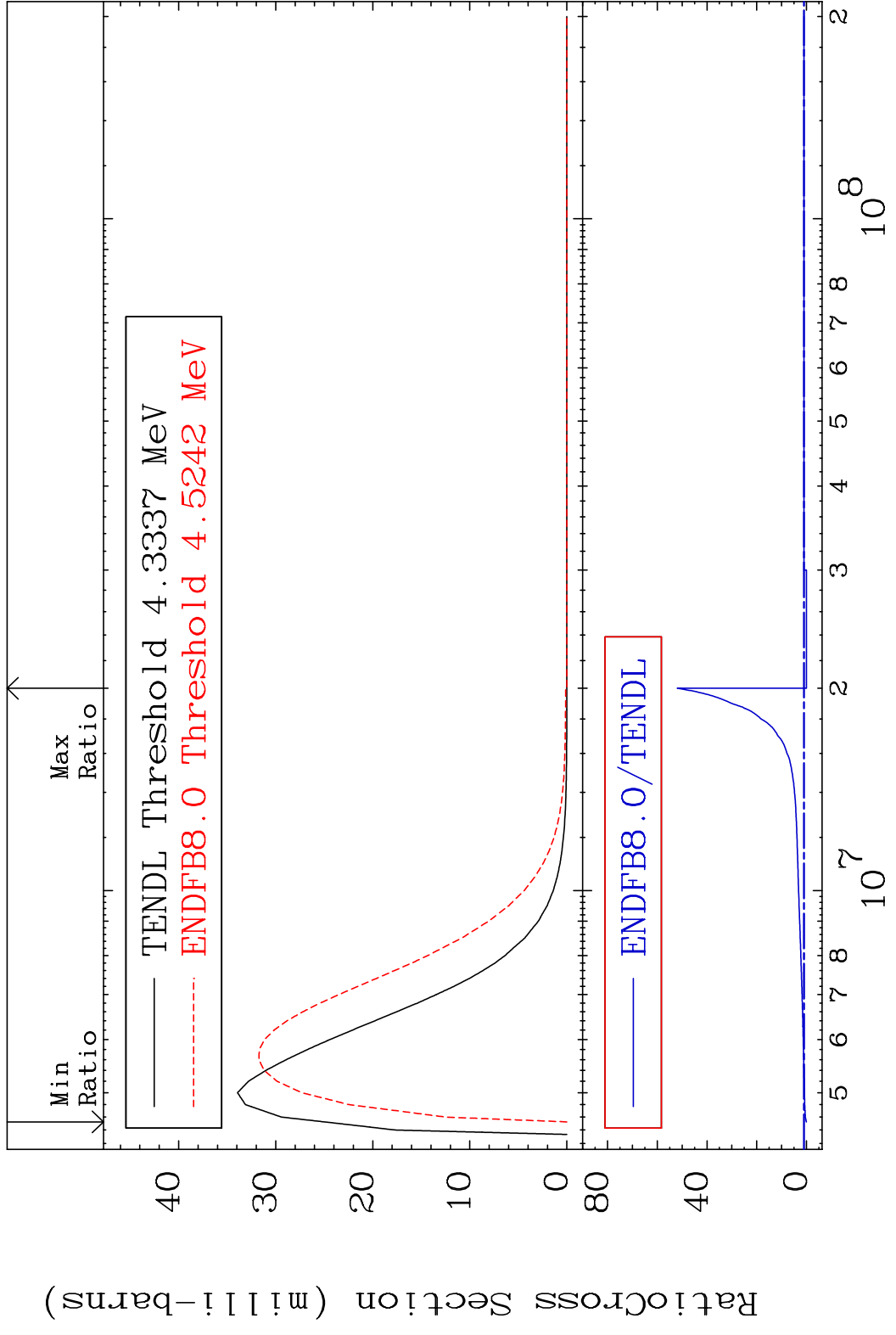
MAT 2031 MT= 67 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 20.40 %



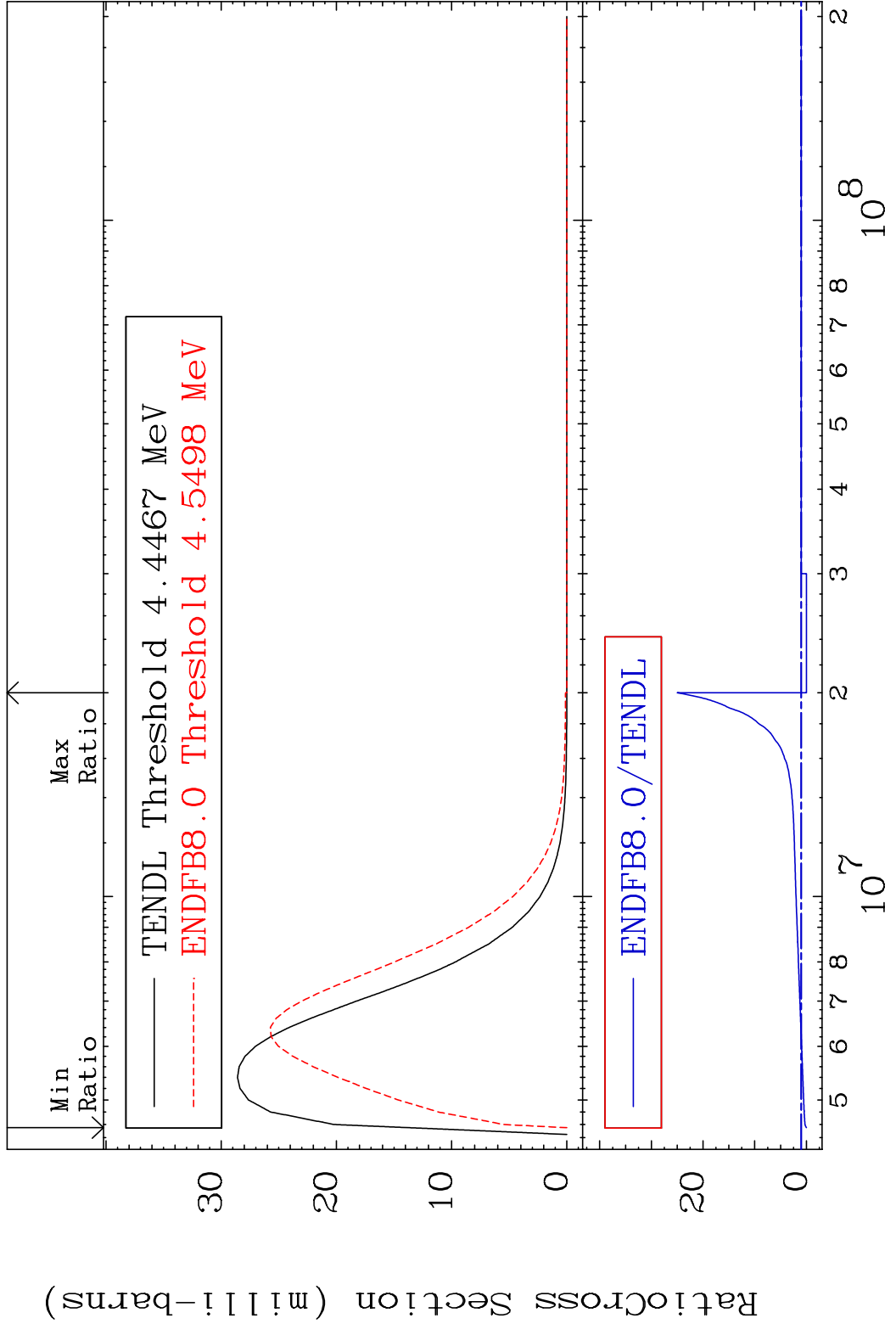
MAT 2031 MT= 68 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 1050. %



MAT 2031 MT= 69 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 5099. %



MAT 2031 MT= 70 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 2400. %

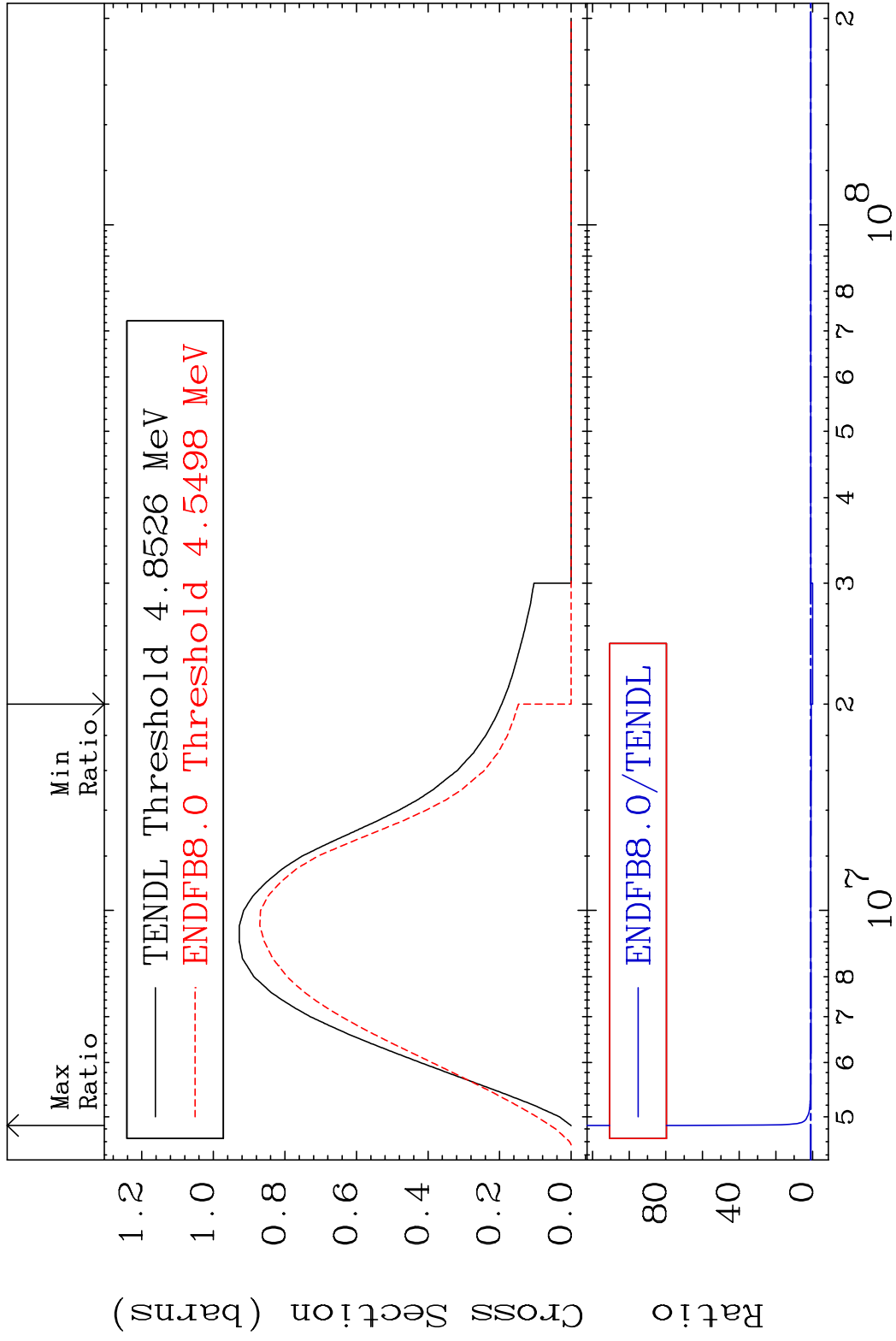


MAT 2031

(n,n') Continuum

20-Ca-42

Cross Section -100.0 To 7000. %



30

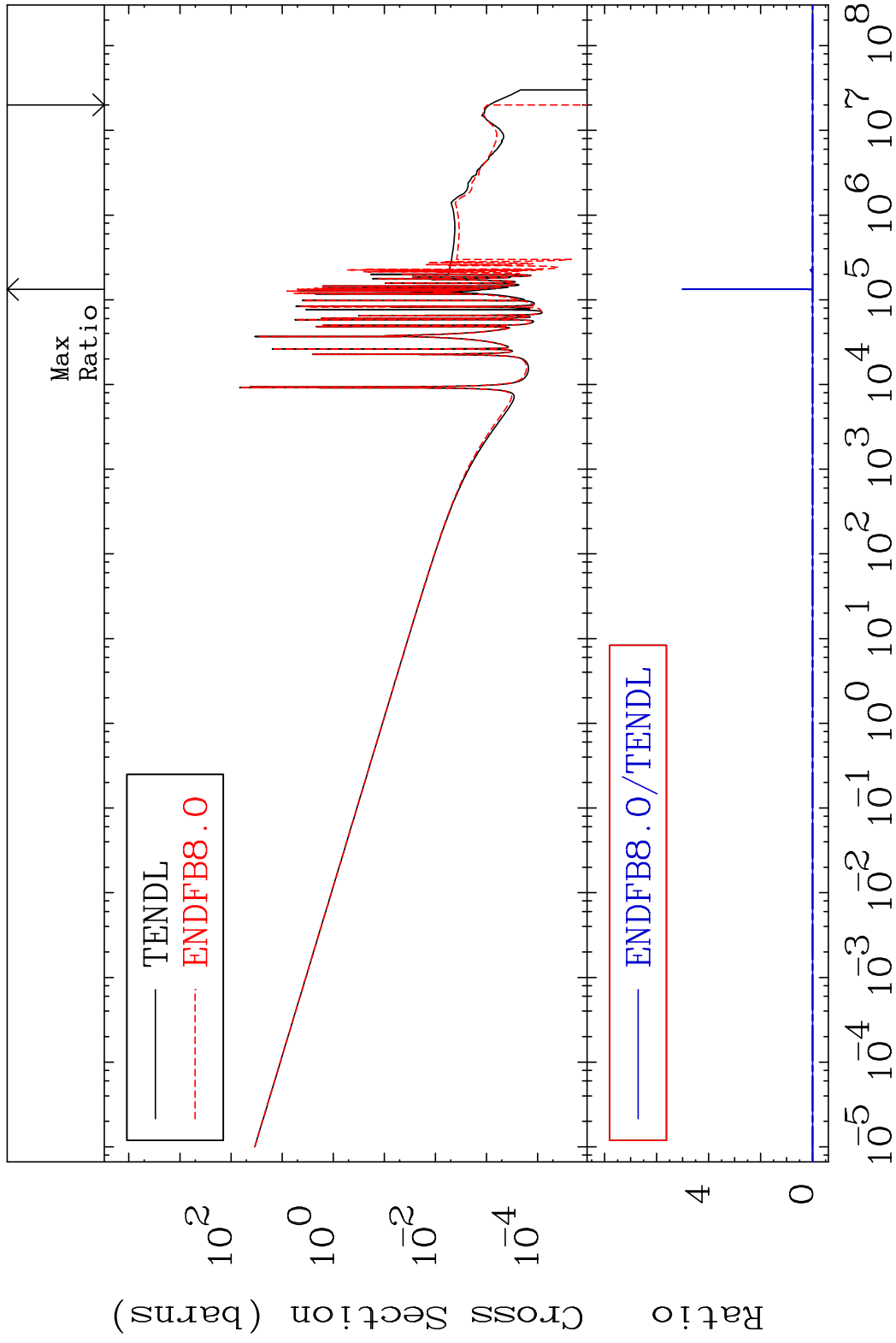
Incident Energy (eV)

20-Ca-42

MAT 2031

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

20-Ca-42

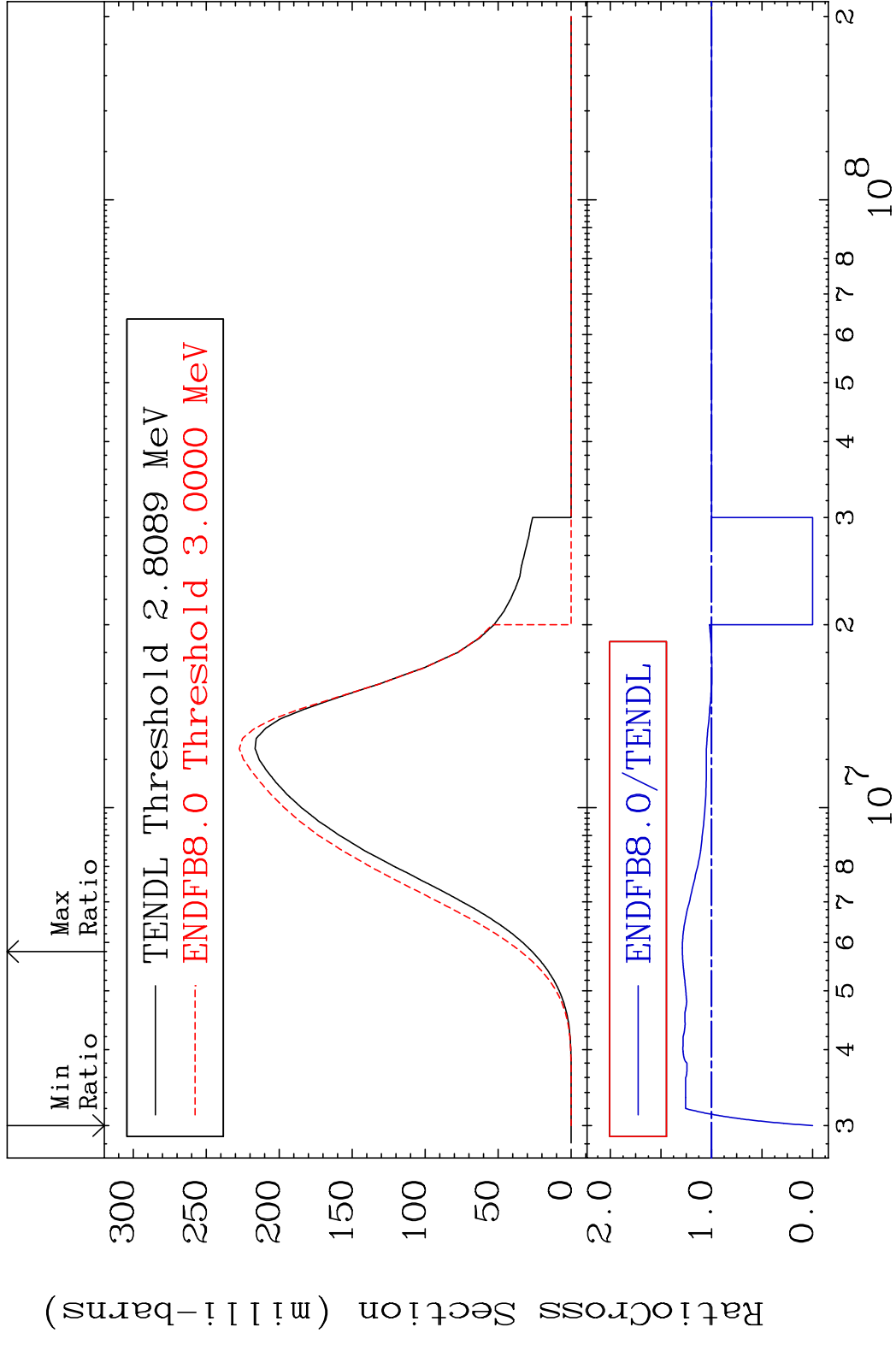


31

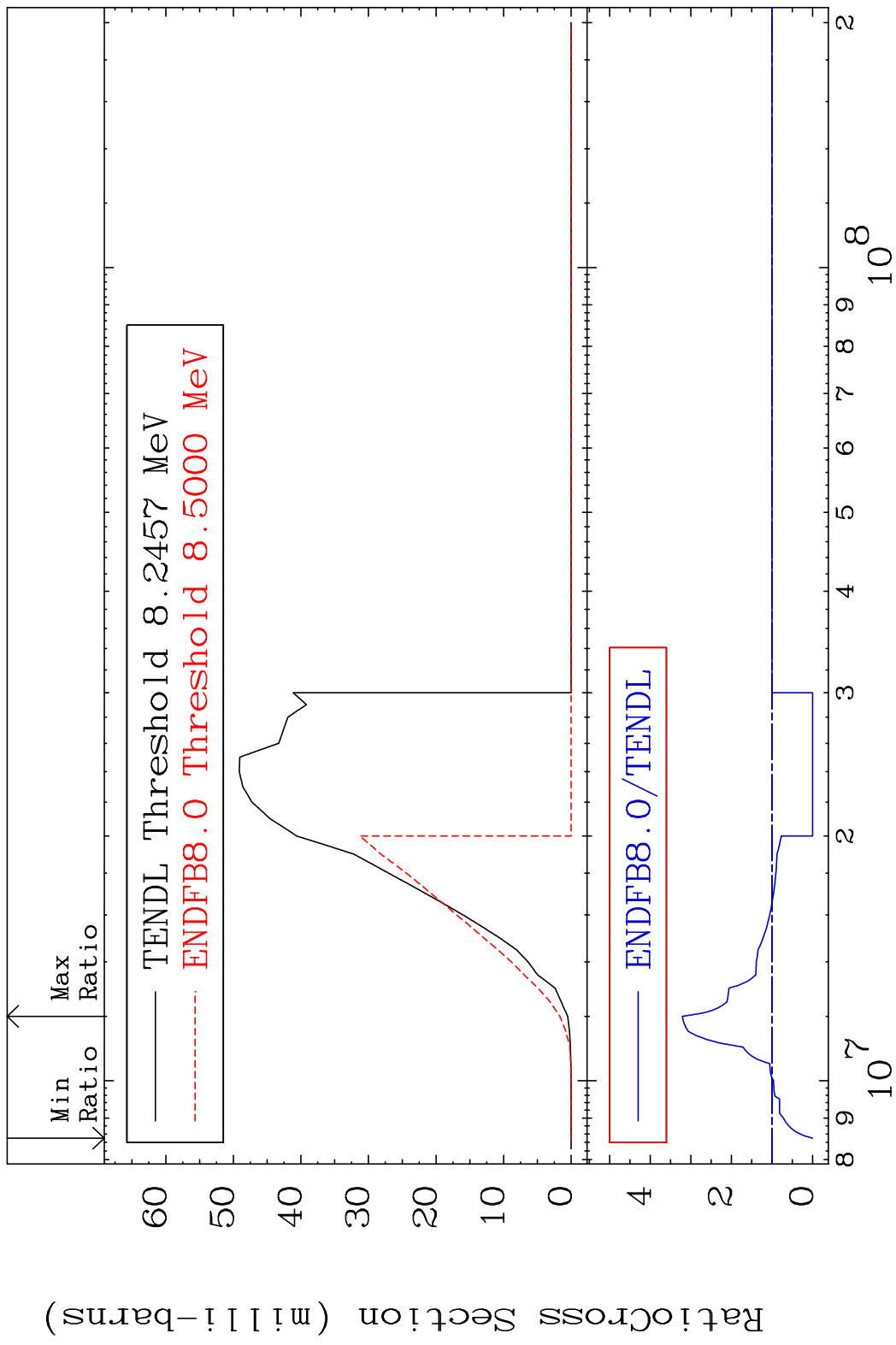
Incident Energy (eV)

20-Ca-42

MAT 2031 (n,p) 20-Ca-42
 Cross Section -100.0 To 28.81 %



MAT 2031 (n,d) 20-Ca-42
 Cross Section -100.0 To 220.9 %

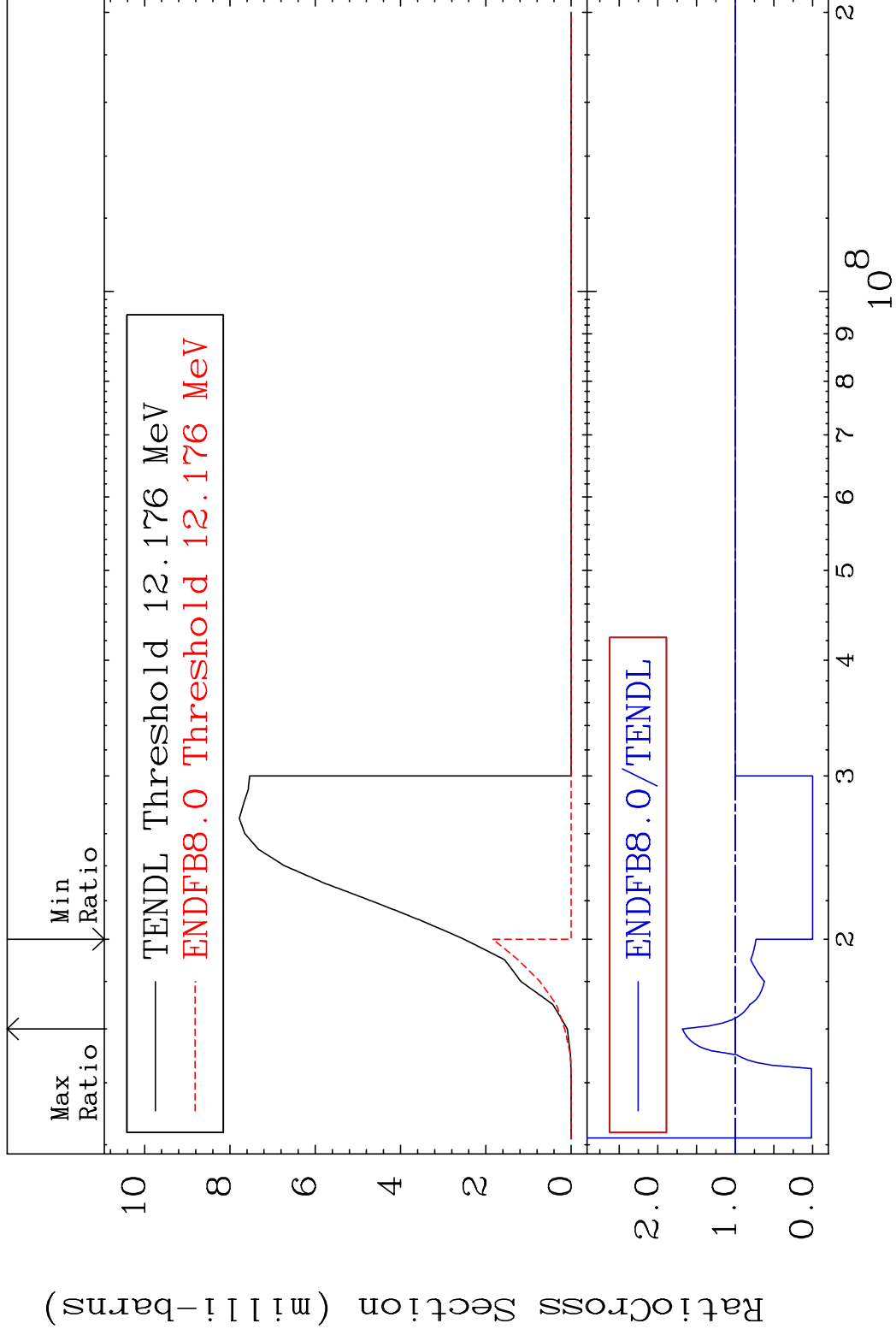


MAT 2031

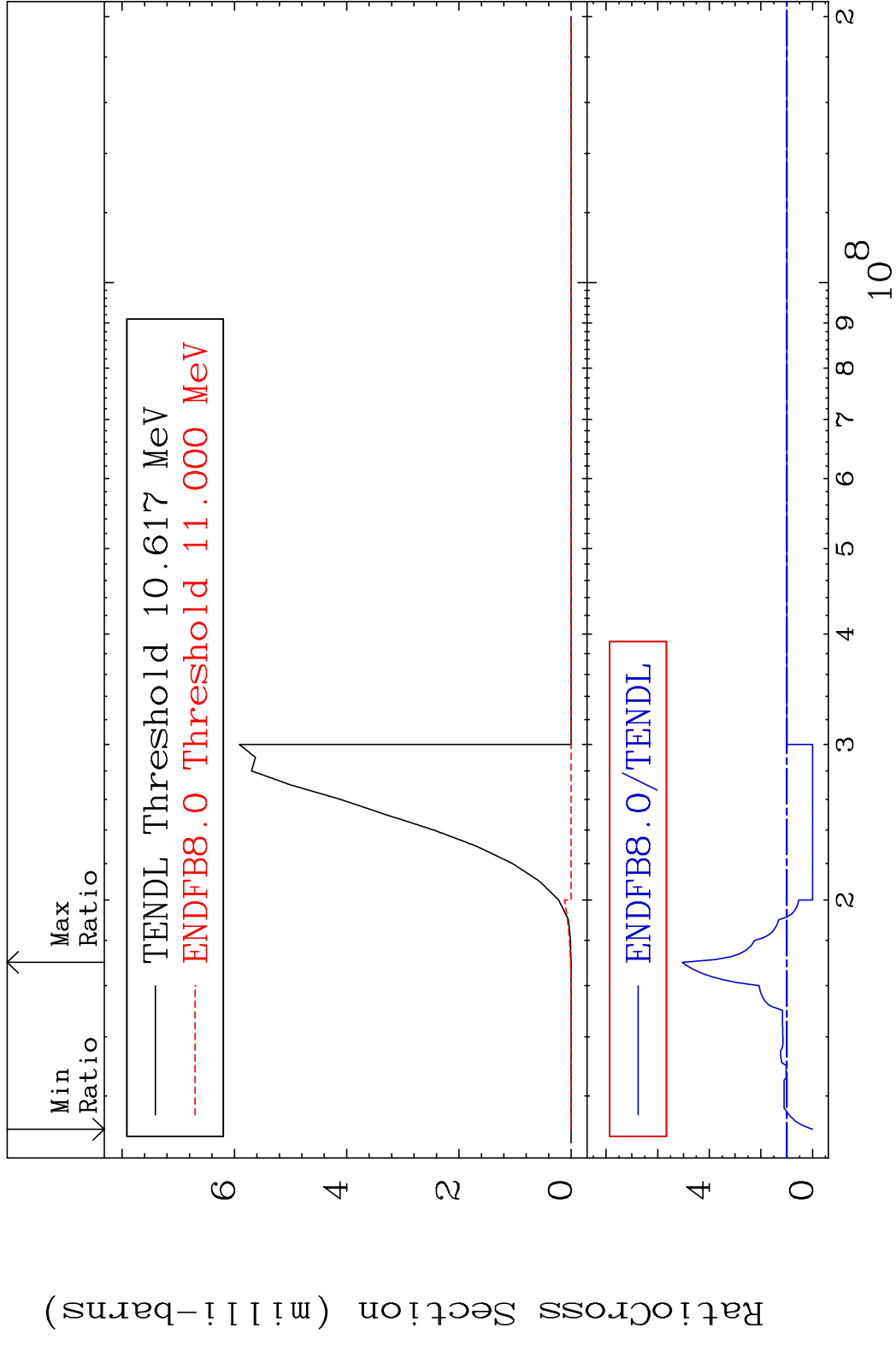
(n, t)

20-Ca-42

Cross Section -100.0 To 68.28 %



MAT 2031 (n, He-3) 20-Ca-42
 Cross Section -100.0 To 404.4 %



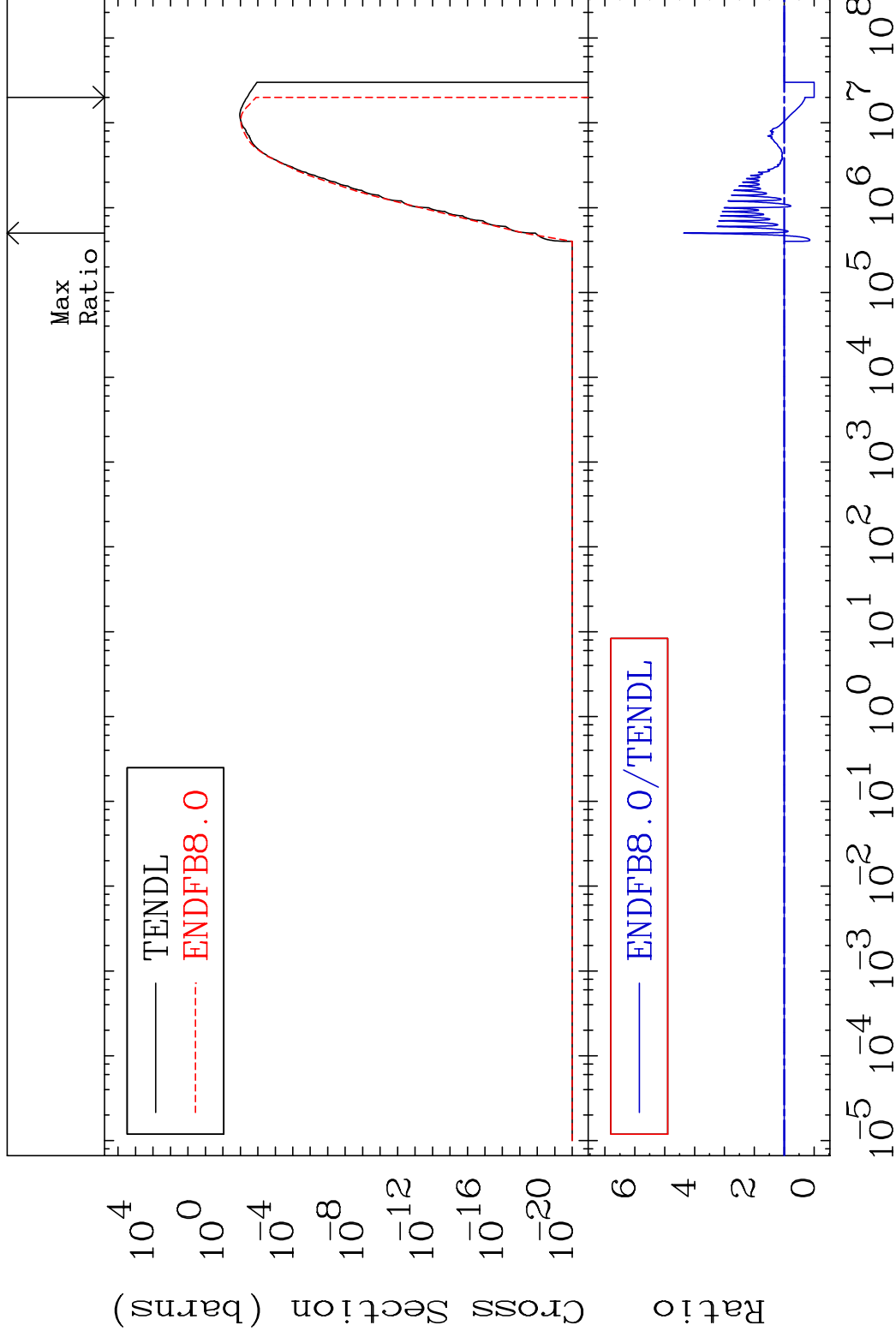
MAT 2031

(n, α)

20-Ca-42

Cross Section

-100.0 To 336.6 %

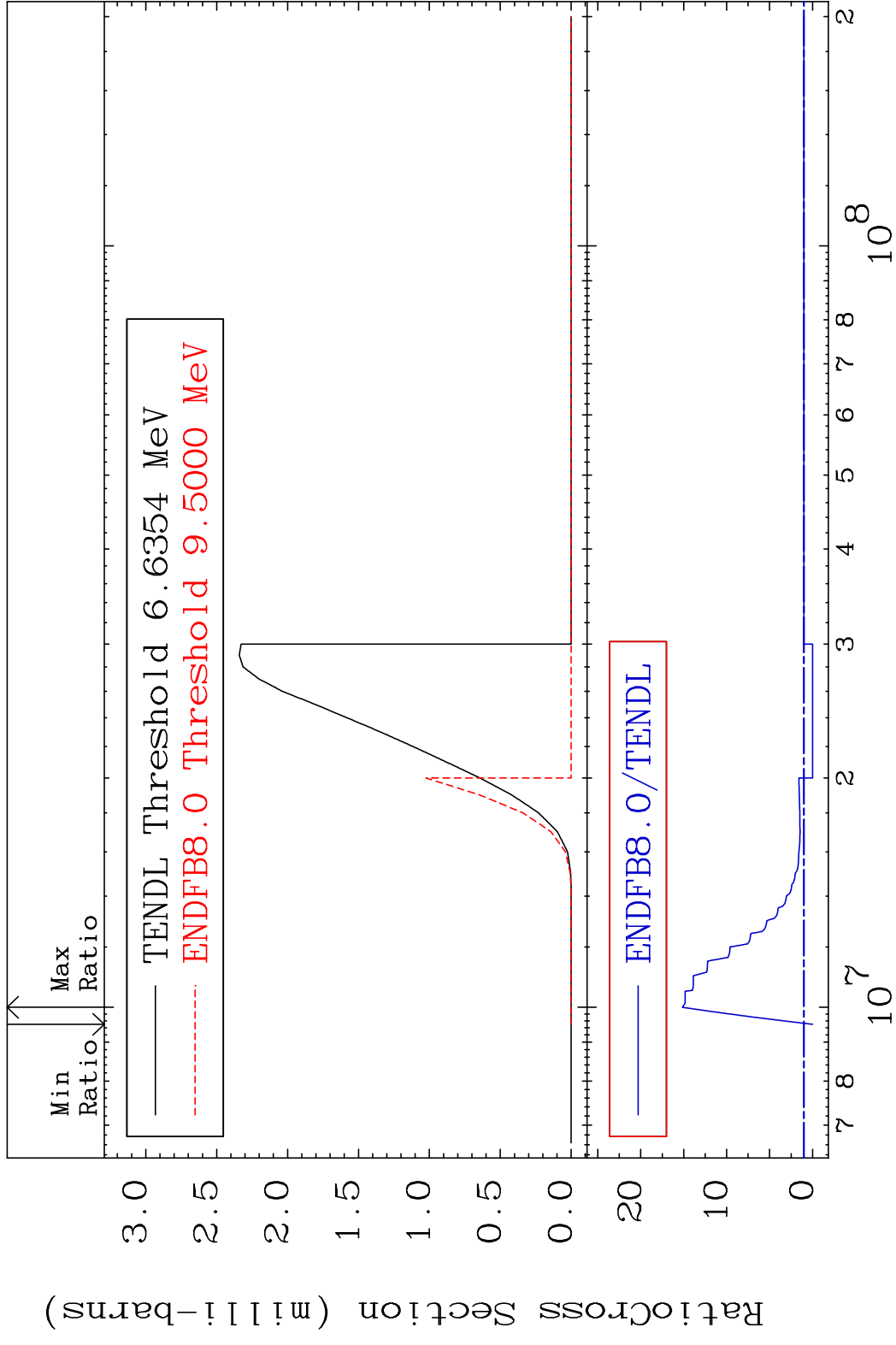


36

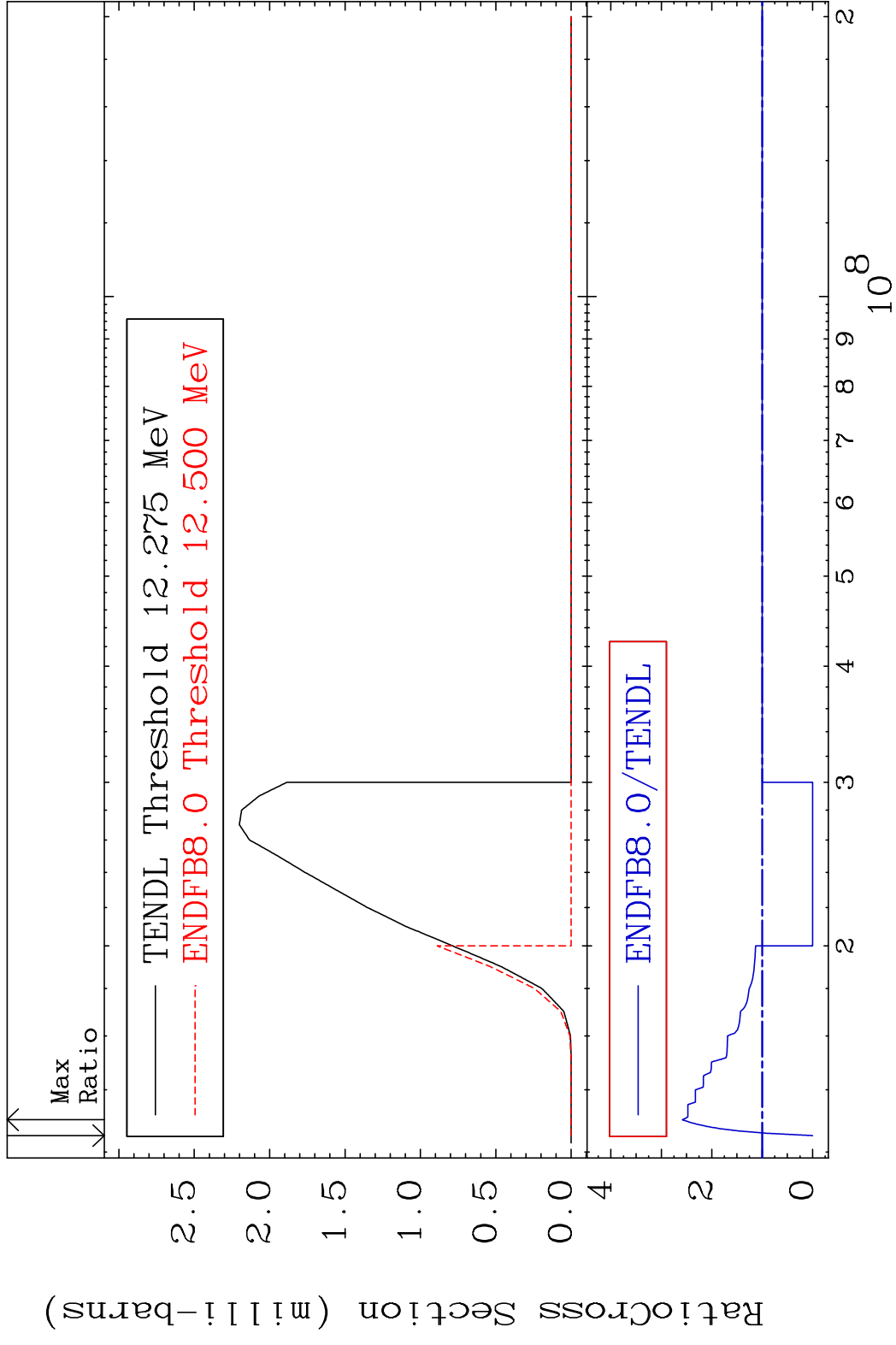
Incident Energy (eV)

20-Ca-42

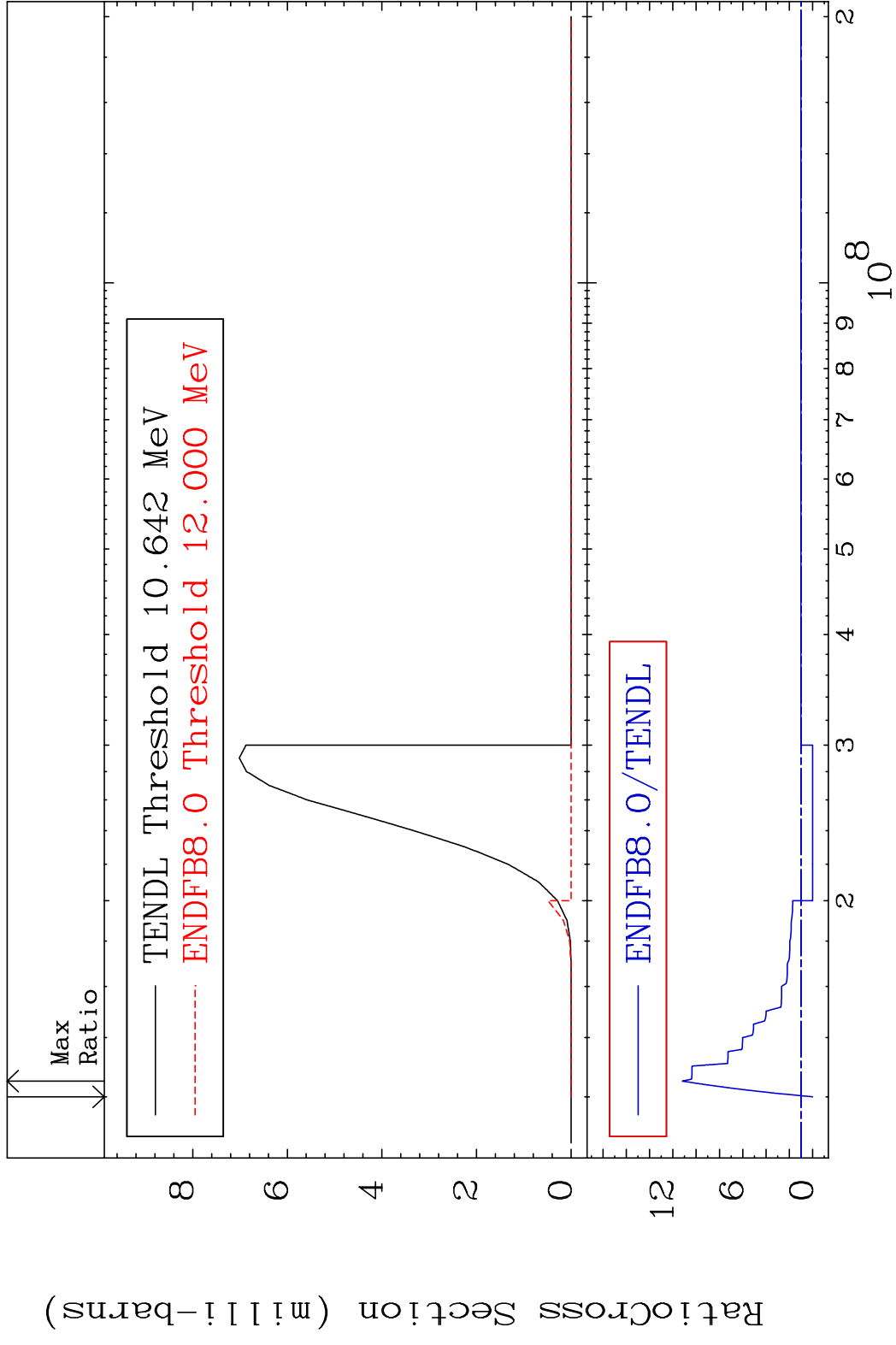
MAT 2031 (n,2α) 20-Ca-42
 Cross Section -100.0 To 1416. %



MAT 2031 (n,2p) 20-Ca-42
 Cross Section -100.0 To 158.2 %

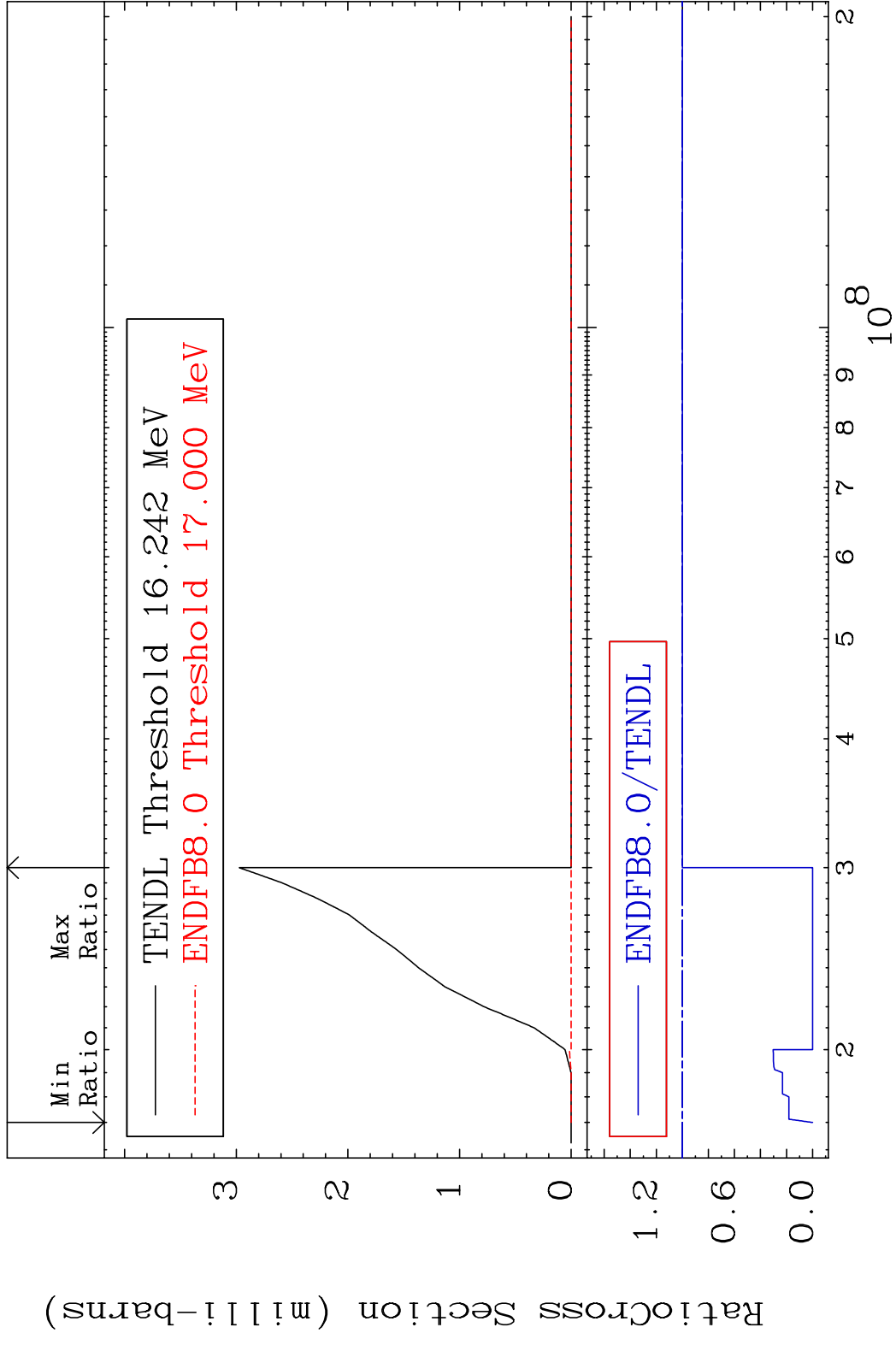


MAT 2031 (n,p) α 20-Ca-42
 Cross Section -100.0 To 1019. %

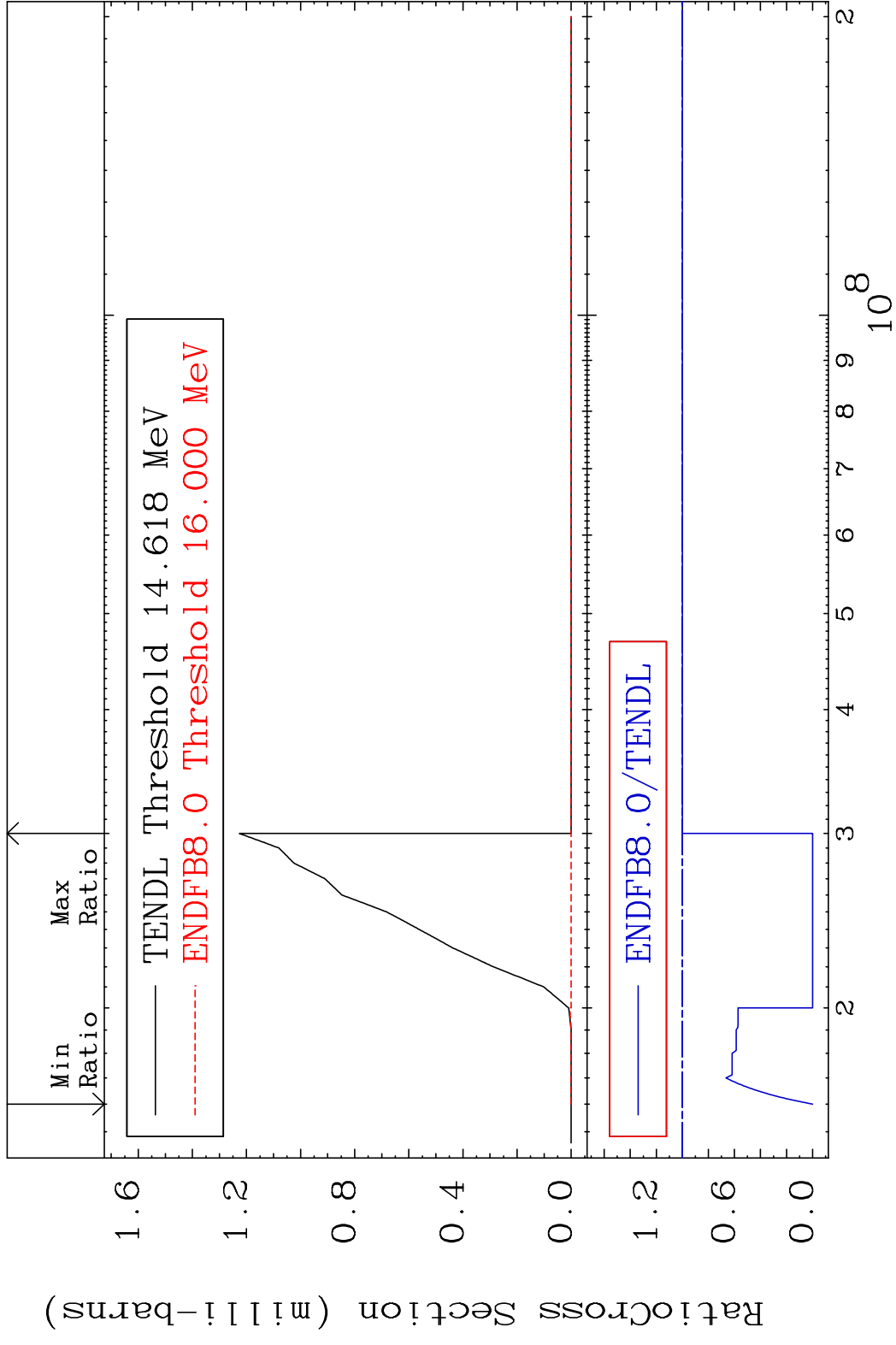


39 Incident Energy (eV) 20-Ca-42

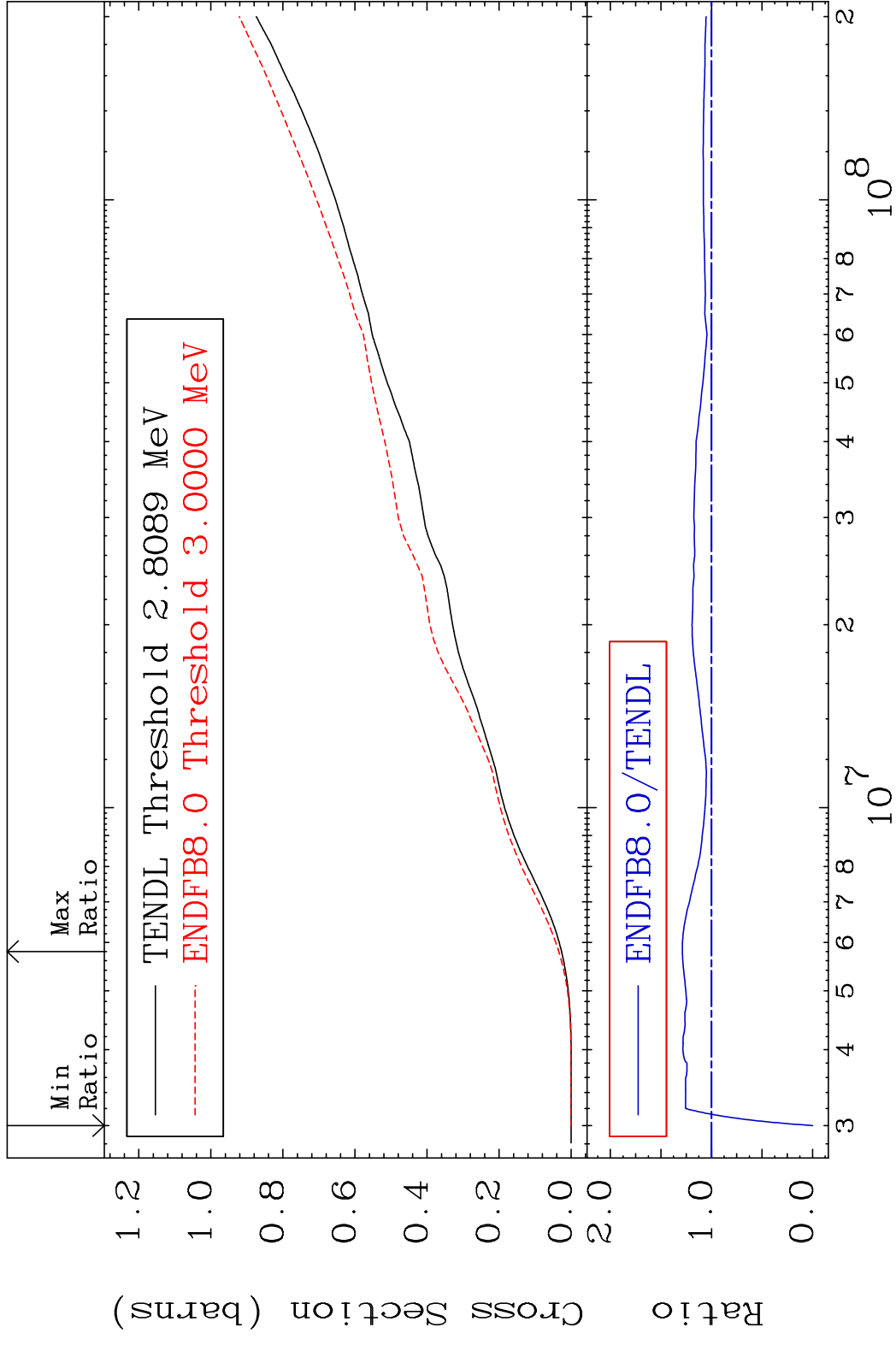
MAT 2031 (n,p) d 20-Ca-42
 Cross Section -100.0 To 0.000 %



MAT 2031 (n,d) α 20-Ca-42
 Cross Section -100.0 To 0.000 %

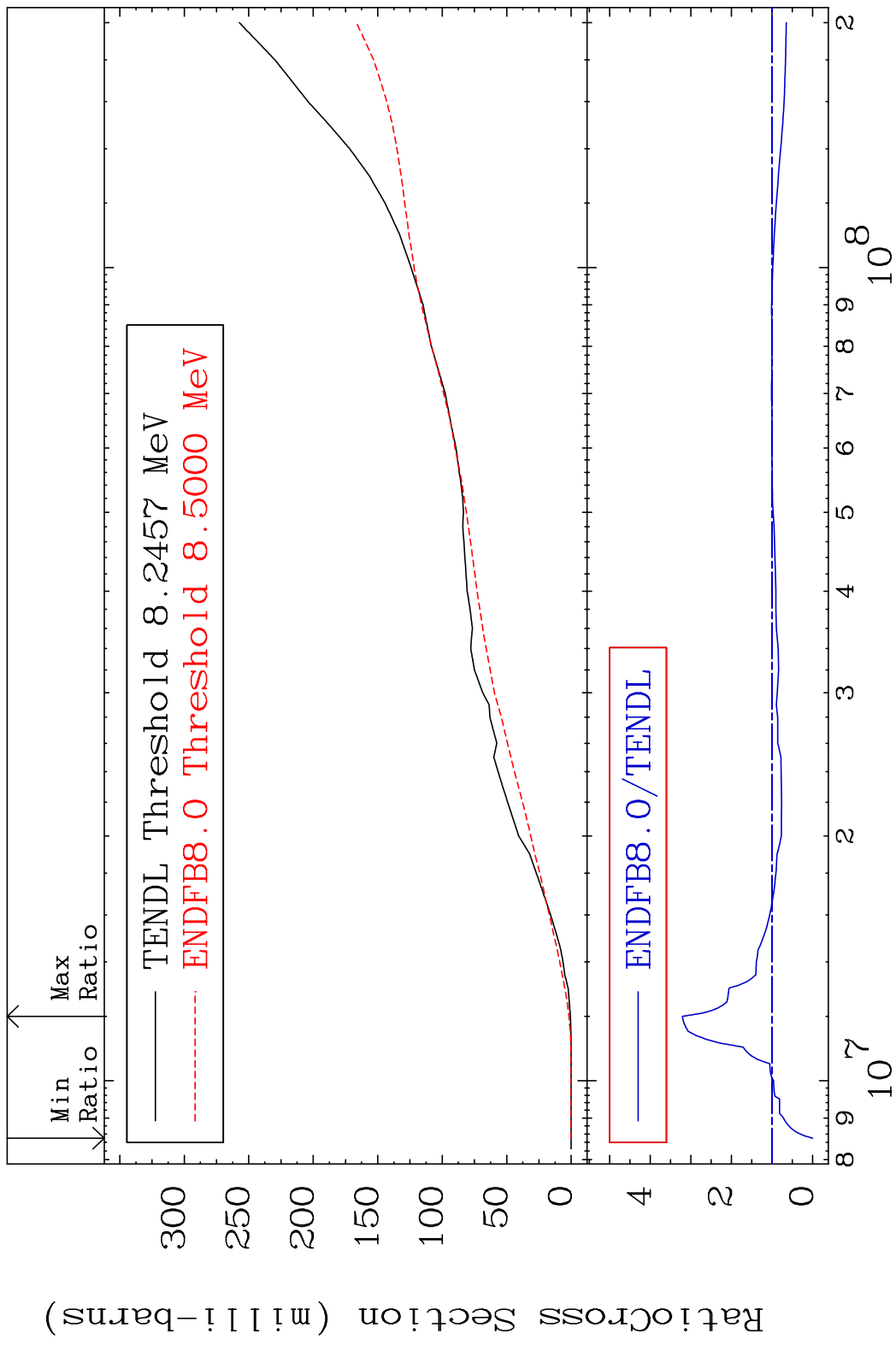


MAT 2031 Hydrogen Production 20-Ca-42
 Cross Section -100.0 To 28.81 %



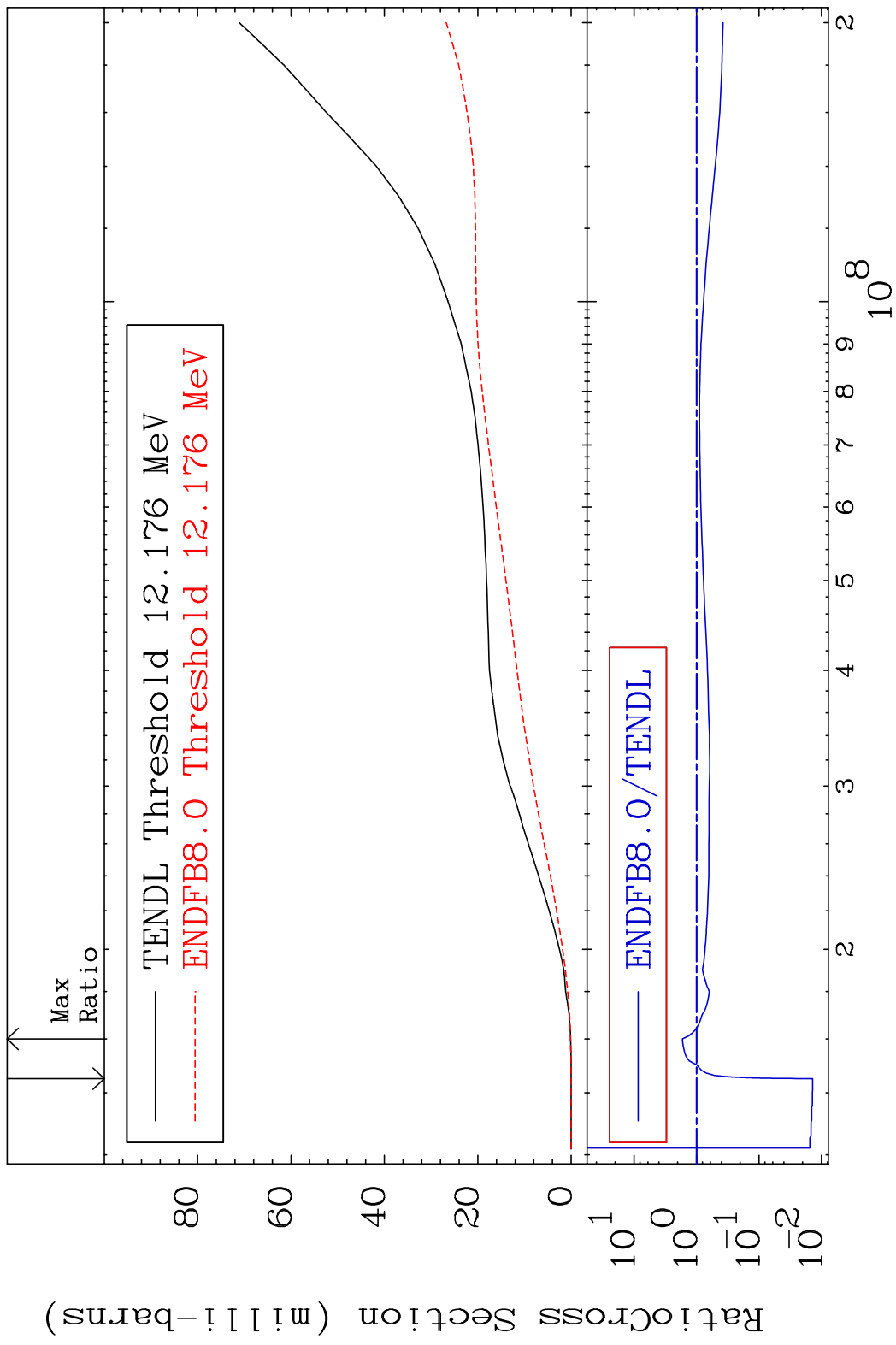
42 Incident Energy (eV) 20-Ca-42

MAT 2031 Deuterium Production 20-Ca-42
 Cross Section -100.0 To 220.9 %

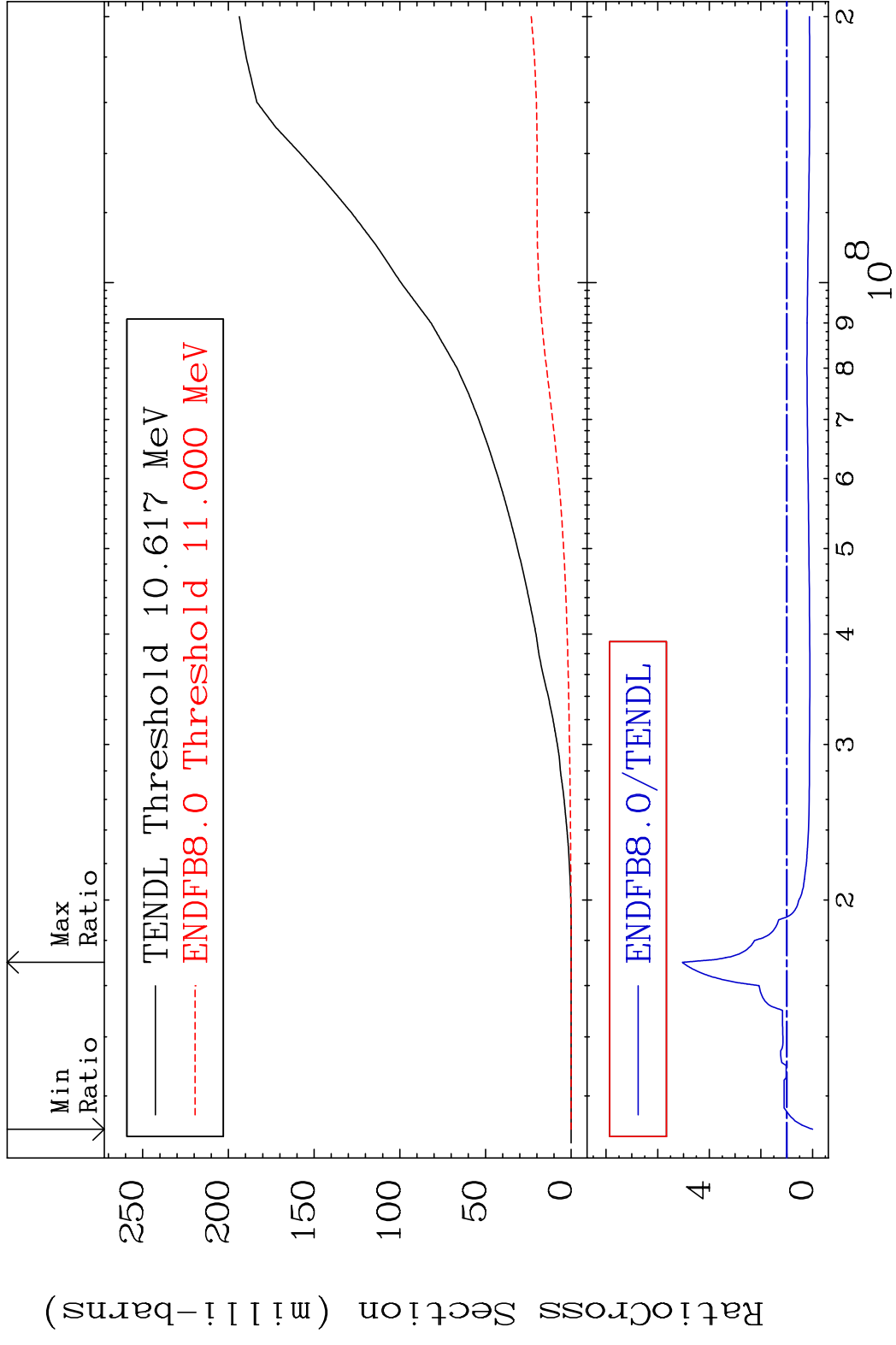


43 Incident Energy (eV) 20-Ca-42

MAT 2031 Tritium Production 20-Ca-42
 Cross Section -98.61 To 68.28 %



MAT 2031 He-3 Production 20-Ca-42
 Cross Section -100.0 To 404.4 %



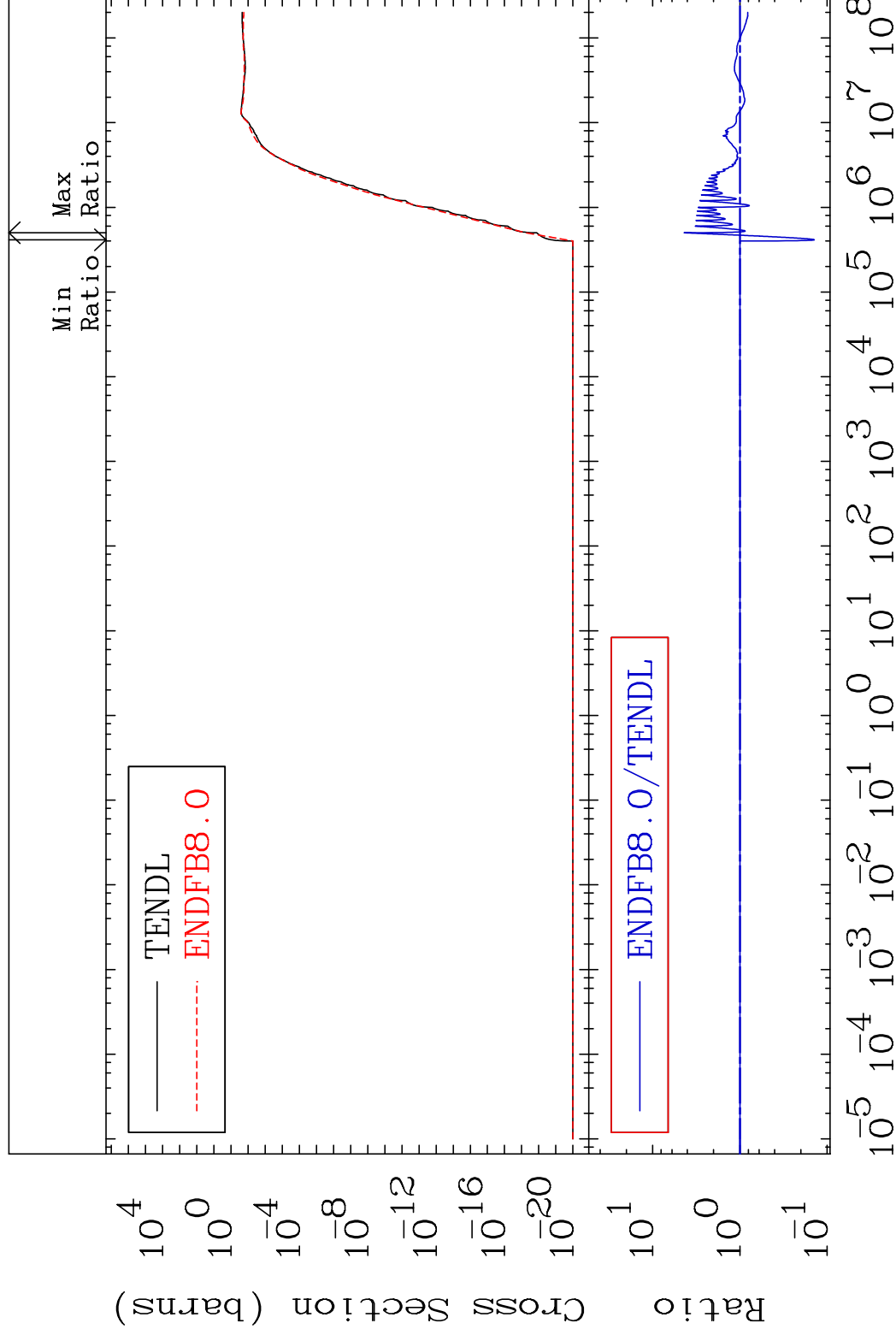
45 Incident Energy (eV) 20-Ca-42

MAT 2031

He-4 Production

20-Ca-42

Cross Section -85.97 To 336.6 %

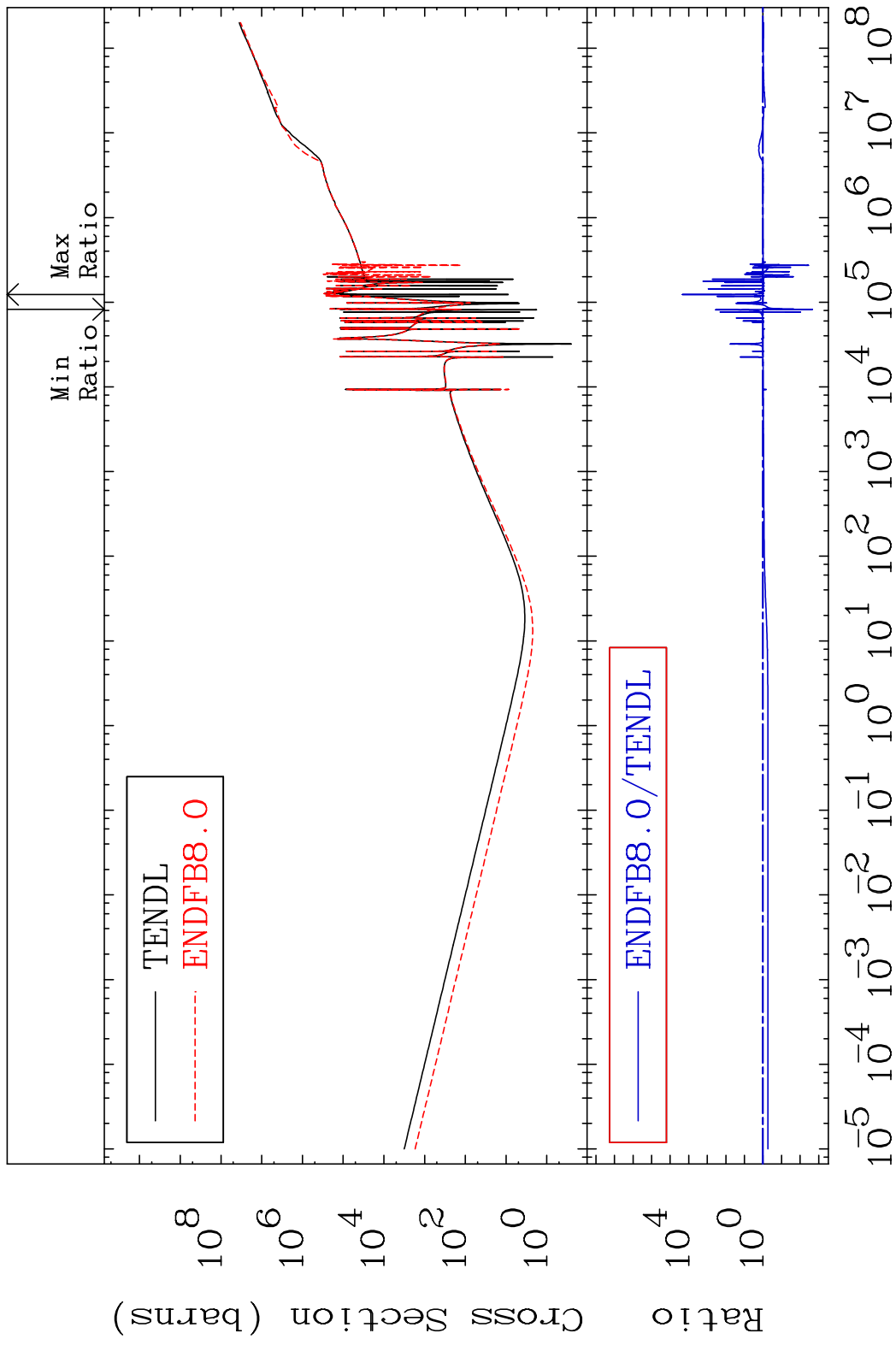


46

Incident Energy (eV)

20-Ca-42

MAT 2031 Kerma total (eV-barns) 20-Ca-42
 Cross Section -99.79 To 9999. %

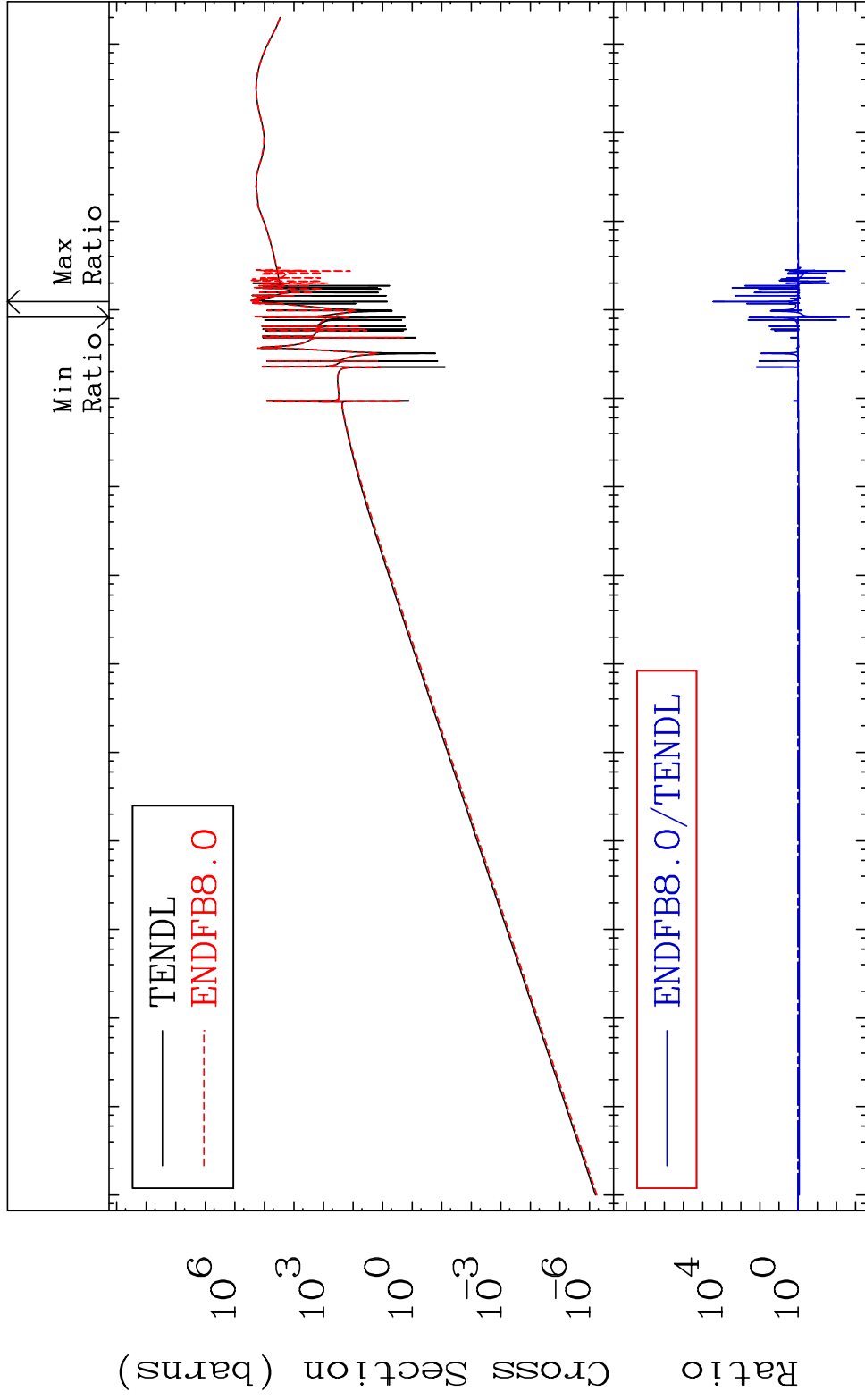


47 Incident Energy (eV) 20-Ca-42

MAT 2031

Kerma elastic
Cross Section

20-Ca-42
-99.79 To 9999. %

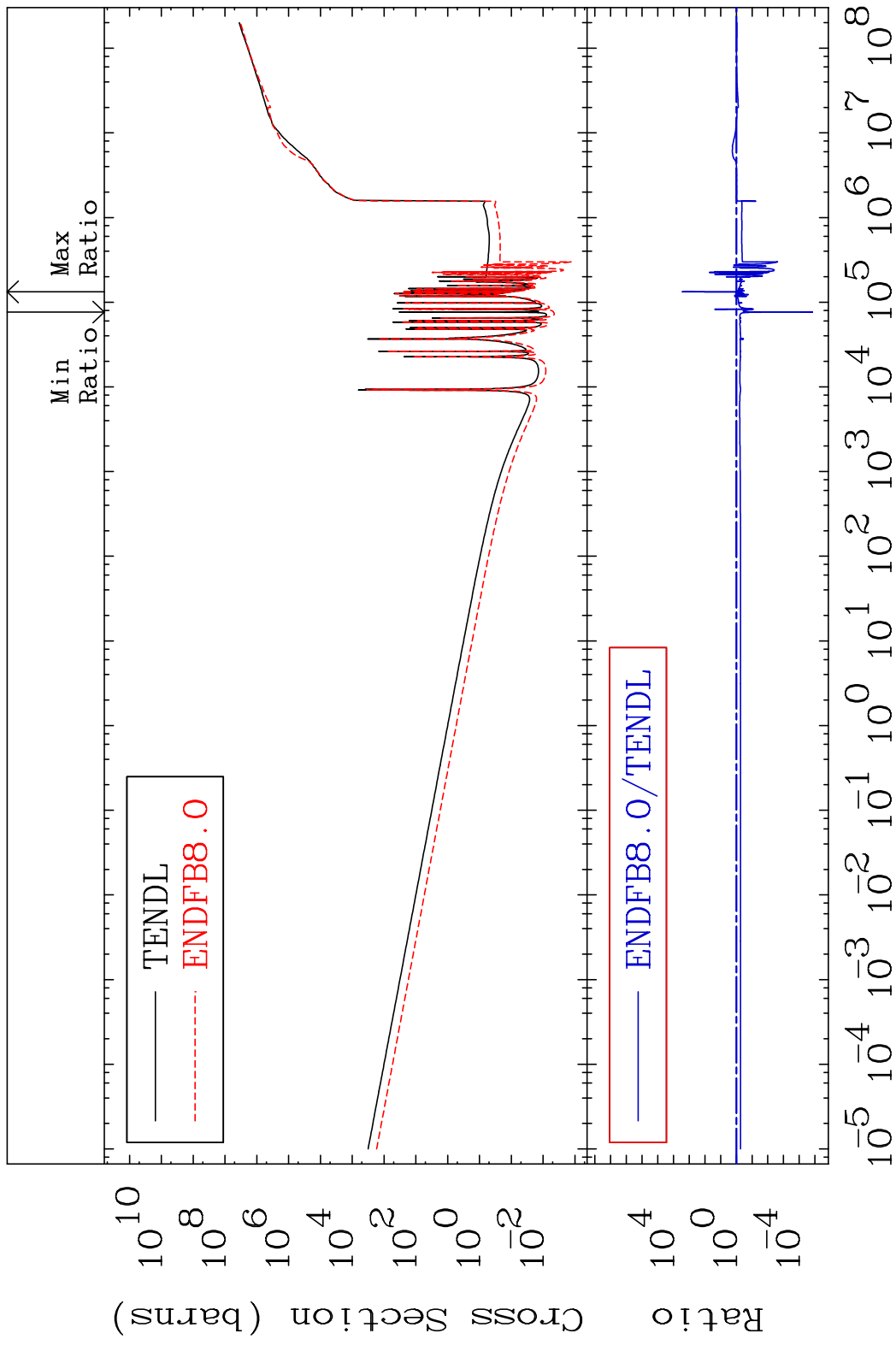


48

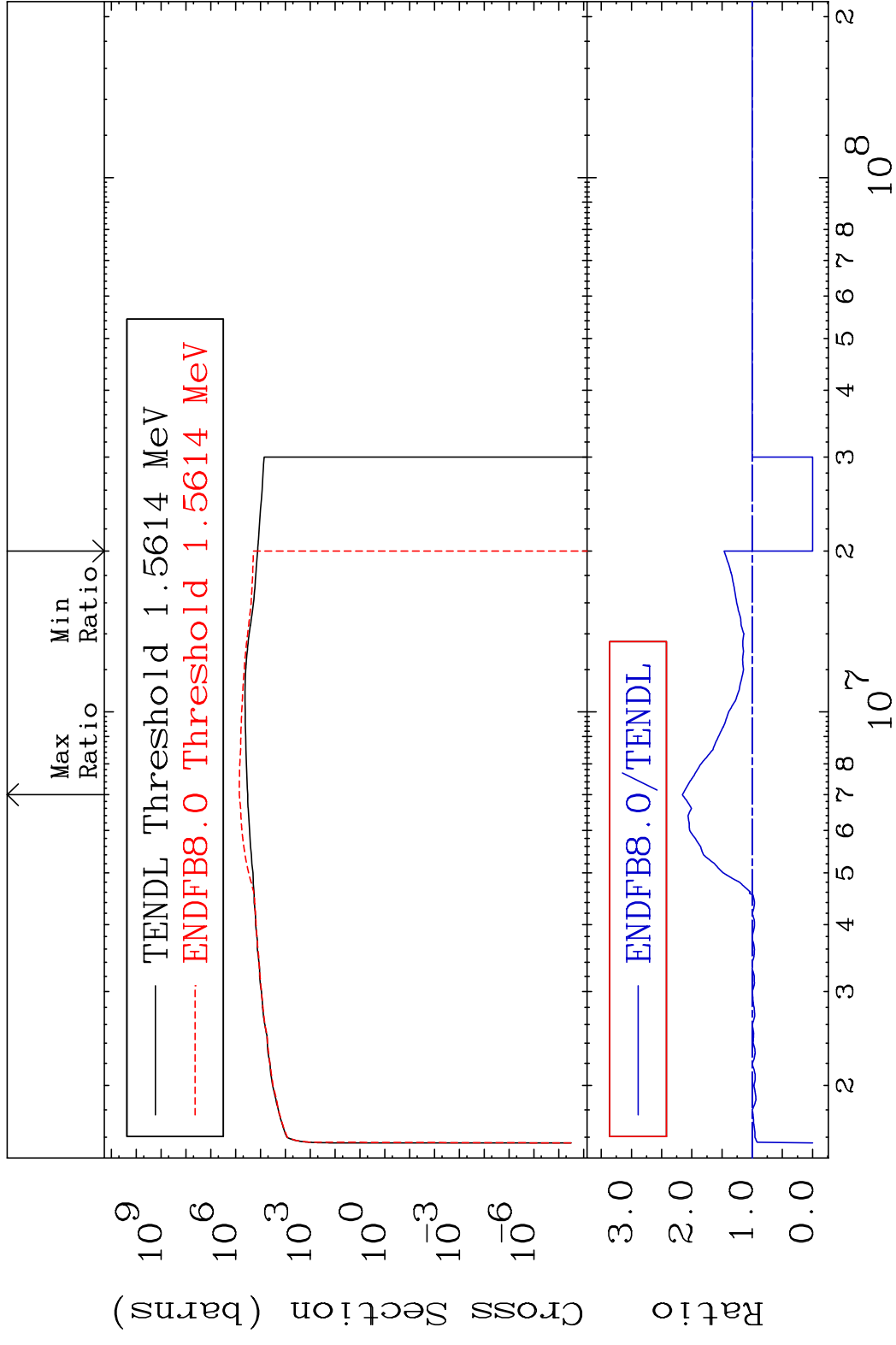
Incident Energy (eV)

20-Ca-42

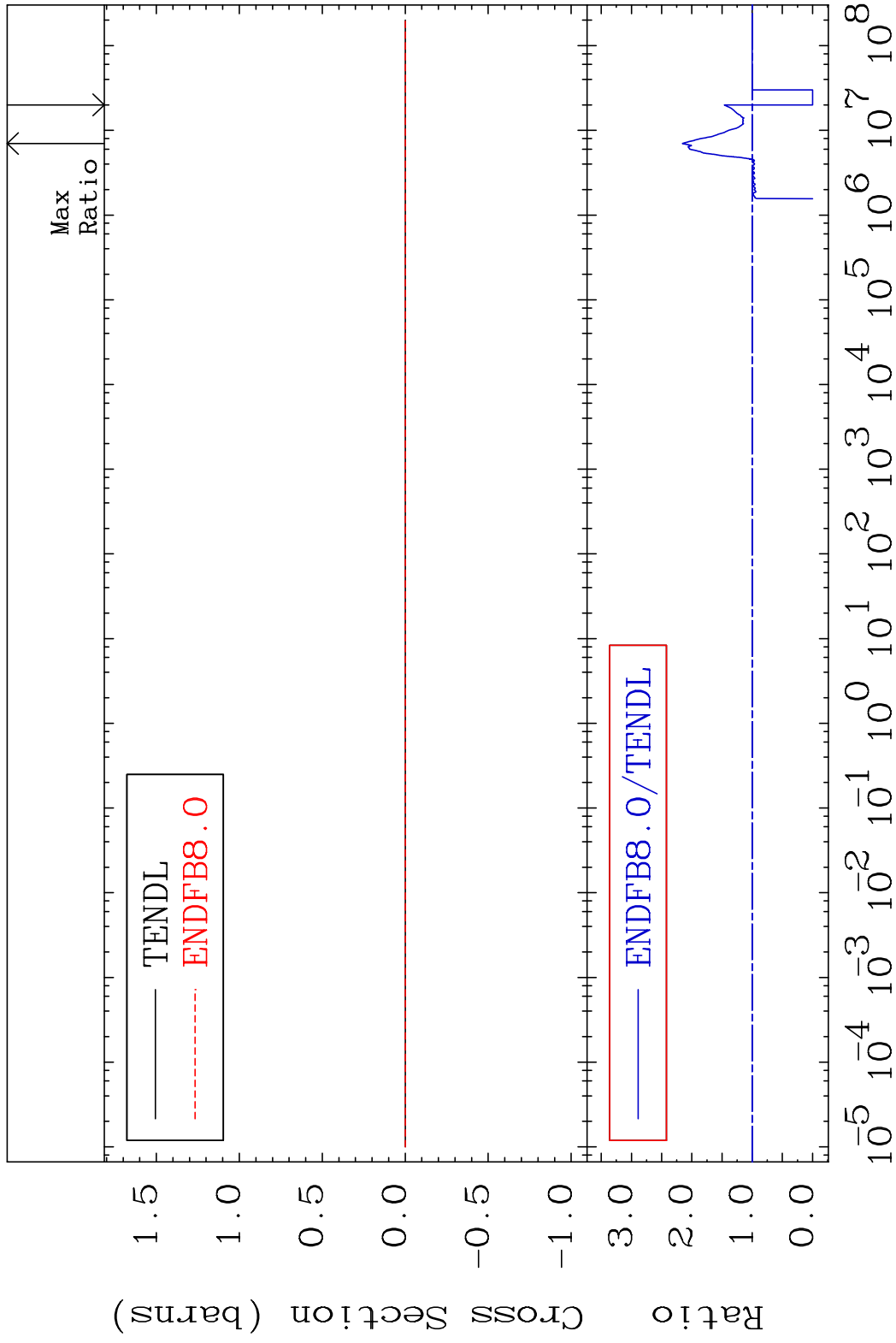
MAT 2031 Kerma non-elastic (all but mt2) 20-Ca-42
 Cross Section -100.0 To 9999. %



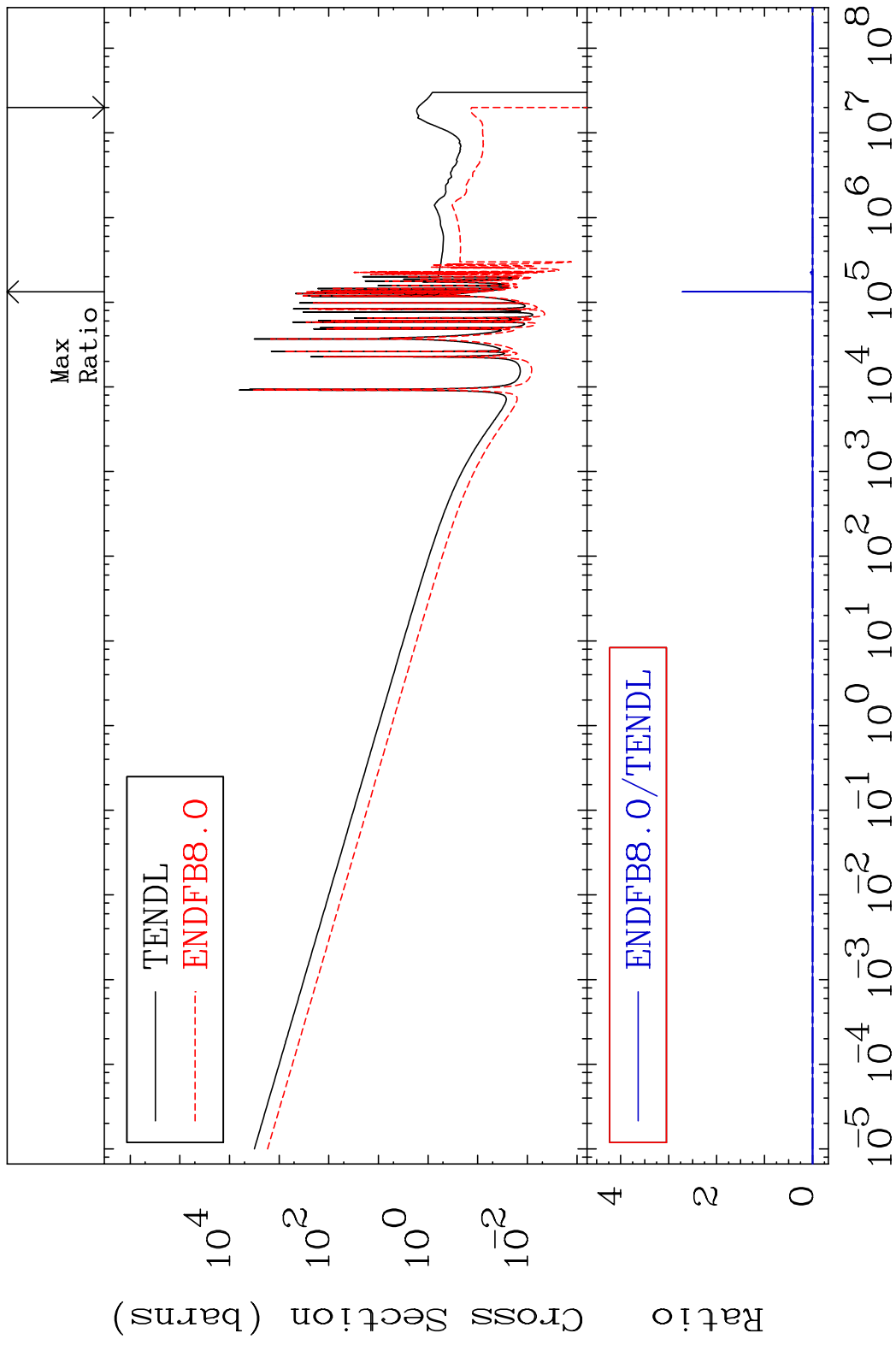
MAT 2031 Kerma inelastic (mt51-91) 20-Ca-42
 Cross Section -100.0 To 115.7 %



MAT 2031 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-42
 Cross Section -100.0 To 115.7 %

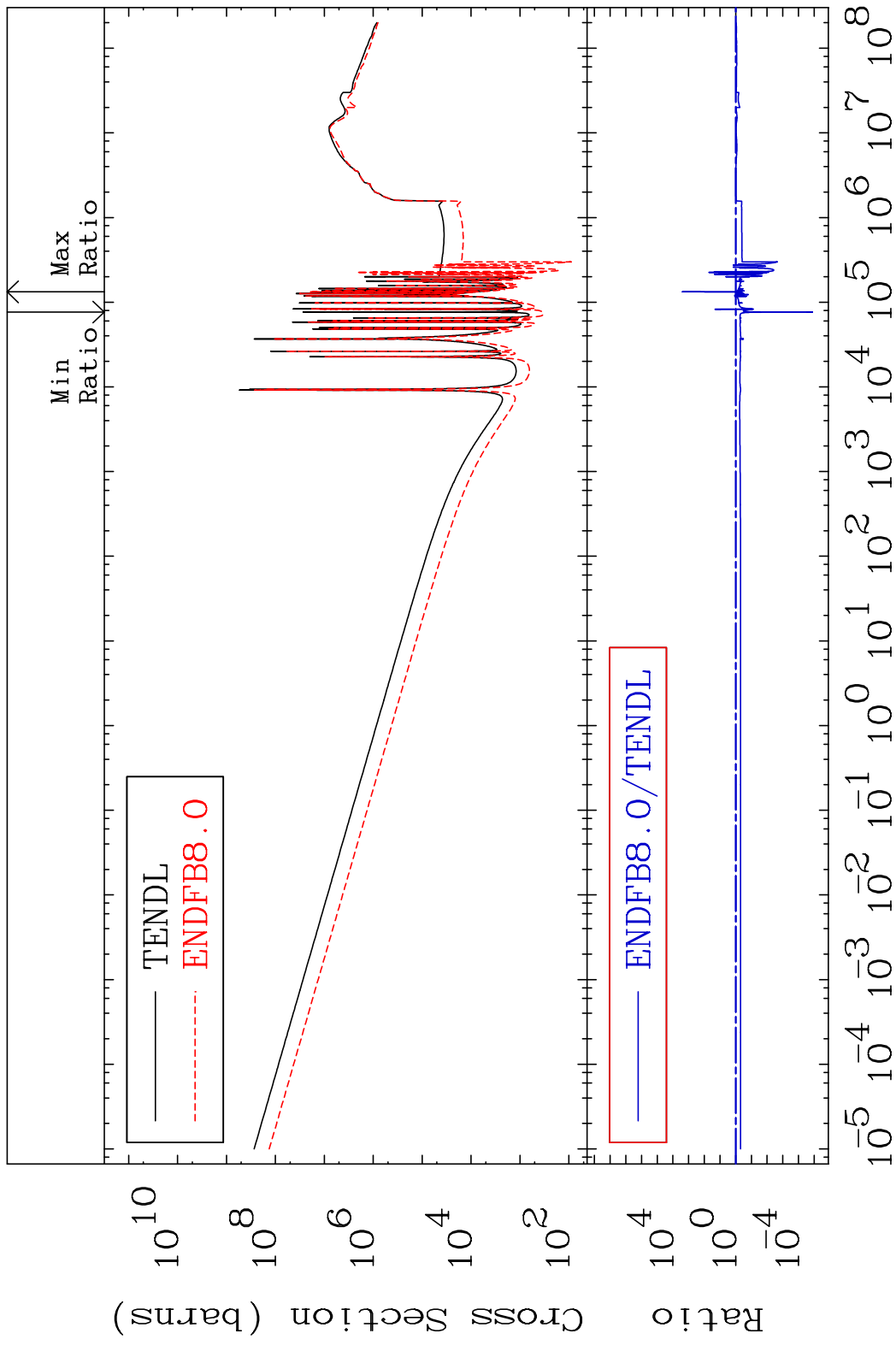


MAT 2031 Kerma capture (mt102) 20-Ca-42
 Cross Section -100.0 To 9999. %



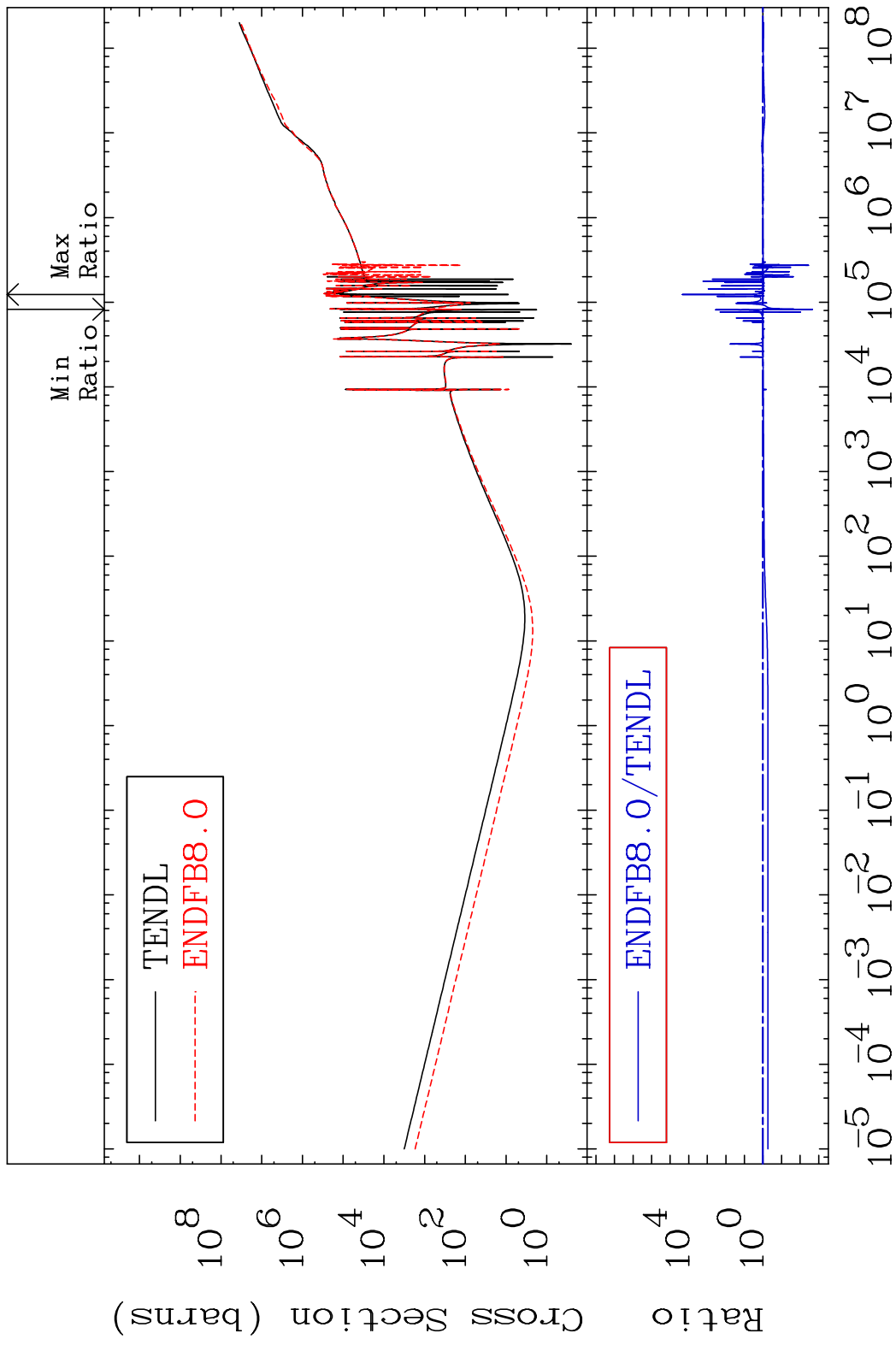
52 Incident Energy (eV) 20-Ca-42

MAT 2031 Total photon (eV-barns) 20-Ca-42
 Cross Section -100.0 To 9999. %

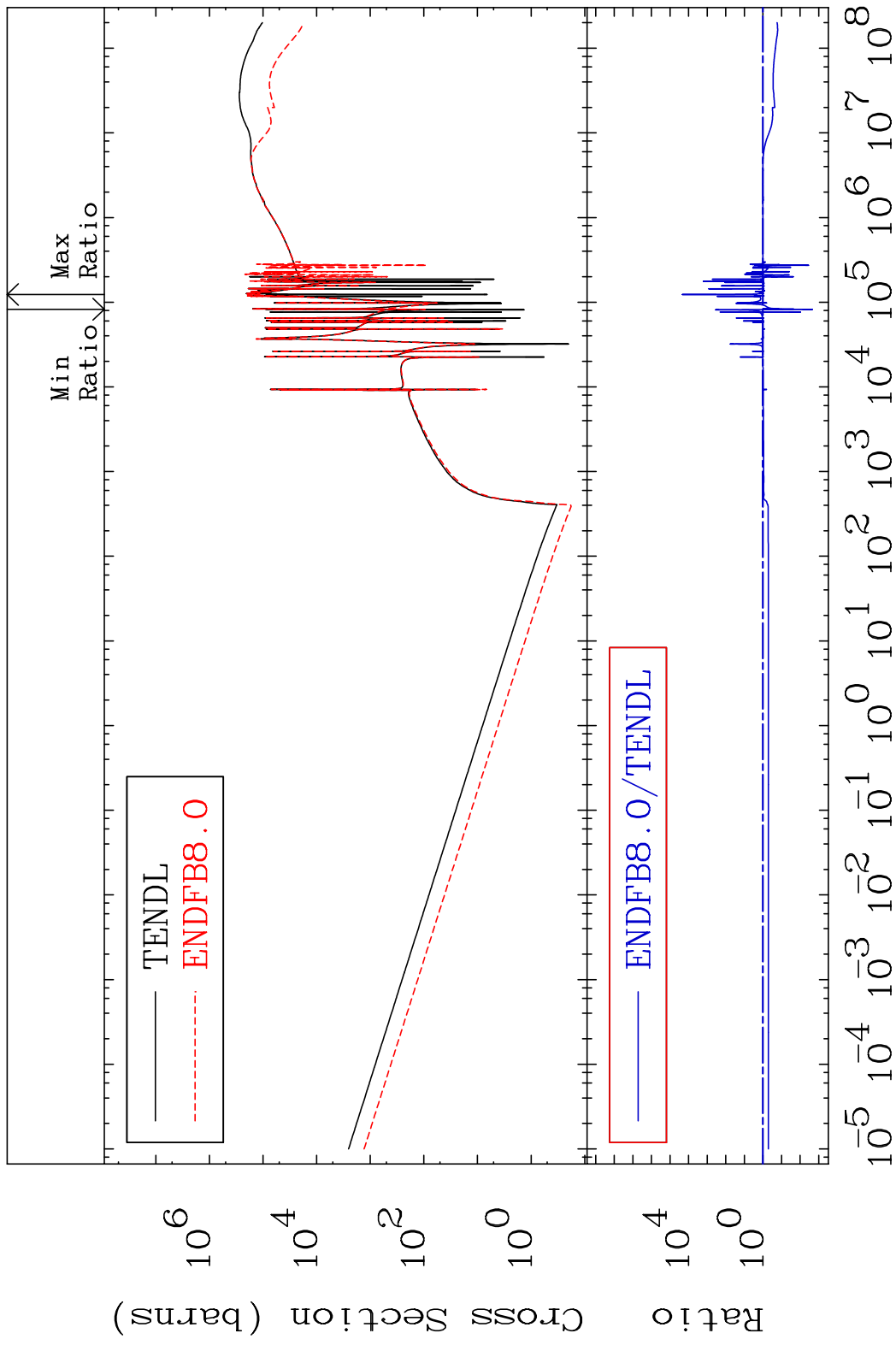


53 Incident Energy (eV) 20-Ca-42

MAT 2031 Total kinematic kerma (high limit) 20-Ca-42
 Cross Section -99.79 To 9999. %



MAT 2031 Dpa total (eV-barns) 20-Ca-42
 Cross Section -99.79 To 9999. %



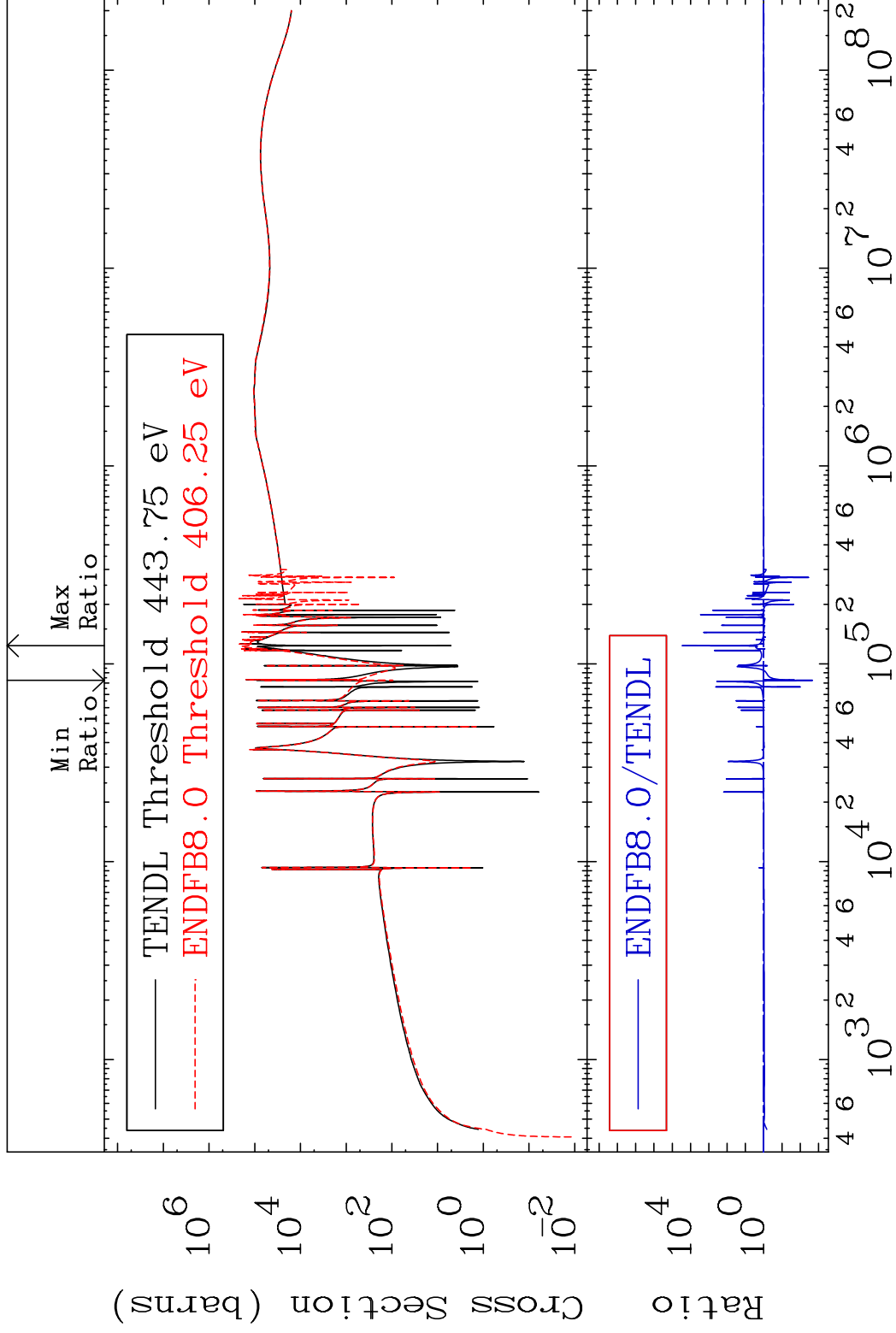
MAT 2031

Dpa elastic (mt2)

20-Ca-42

Cross Section

-99.79 To 9999. %

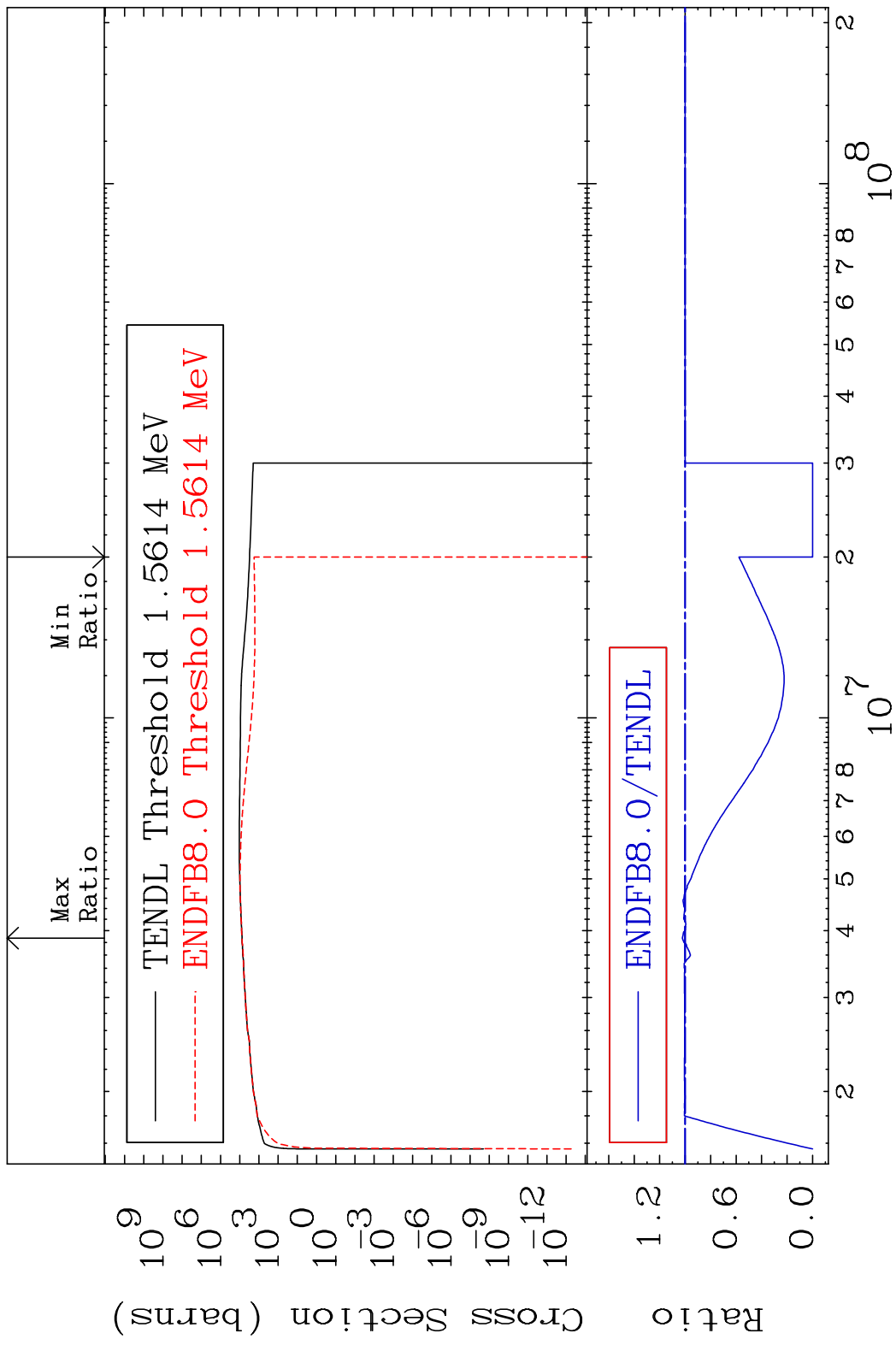


56

Incident Energy (eV)

20-Ca-42

MAT 2031 Dpa inelastic (mt51-91) 20-Ca-42
 Cross Section -100.0 To 2.199 %



MAT 2031 Dpa disappearance (mt102 -120) 20-Ca-42
 Cross Section -100.0 To 9999. %

