

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

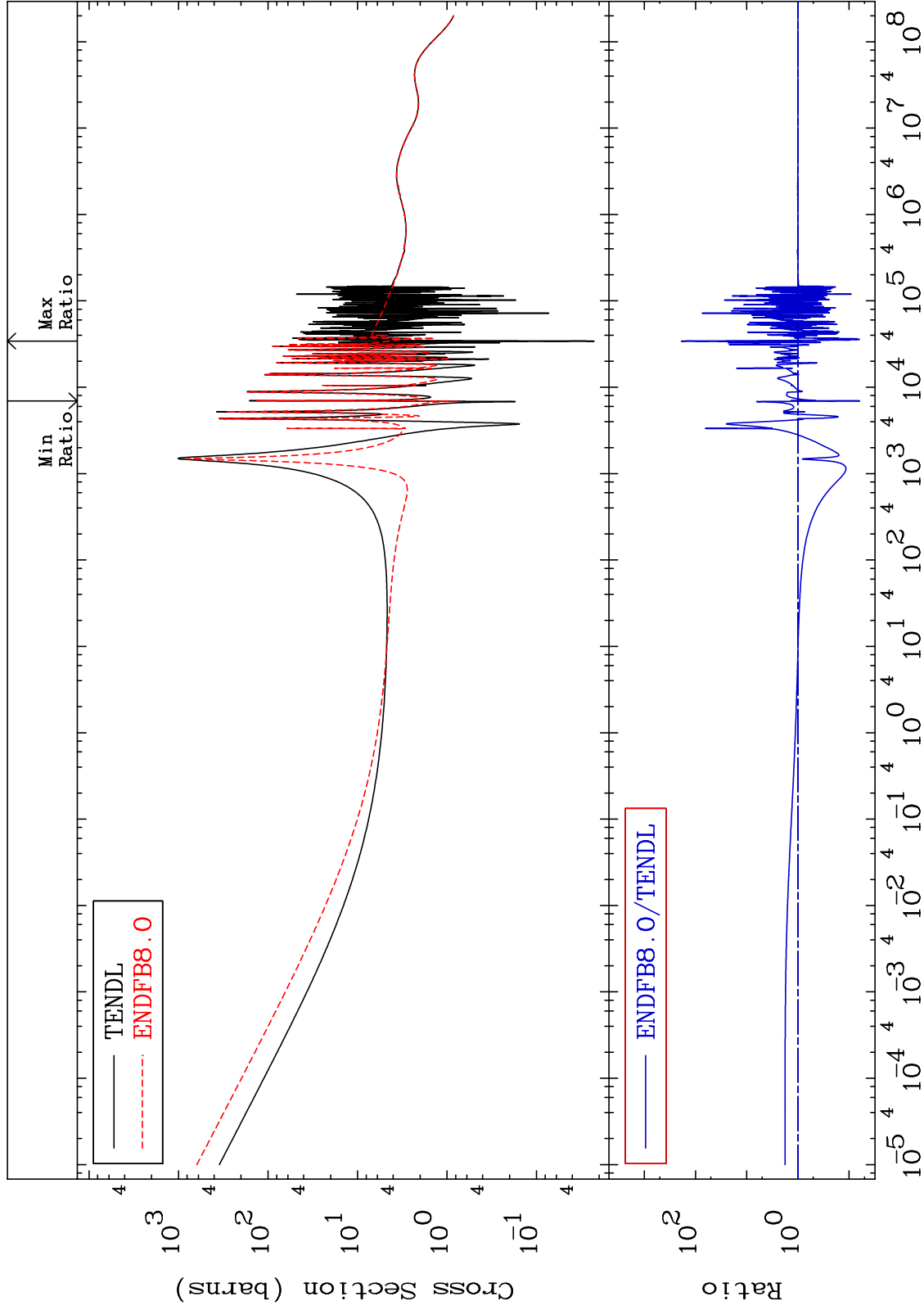
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2034

Total
Cross Section

20-Ca-43
-93.83 To 9999. %



1

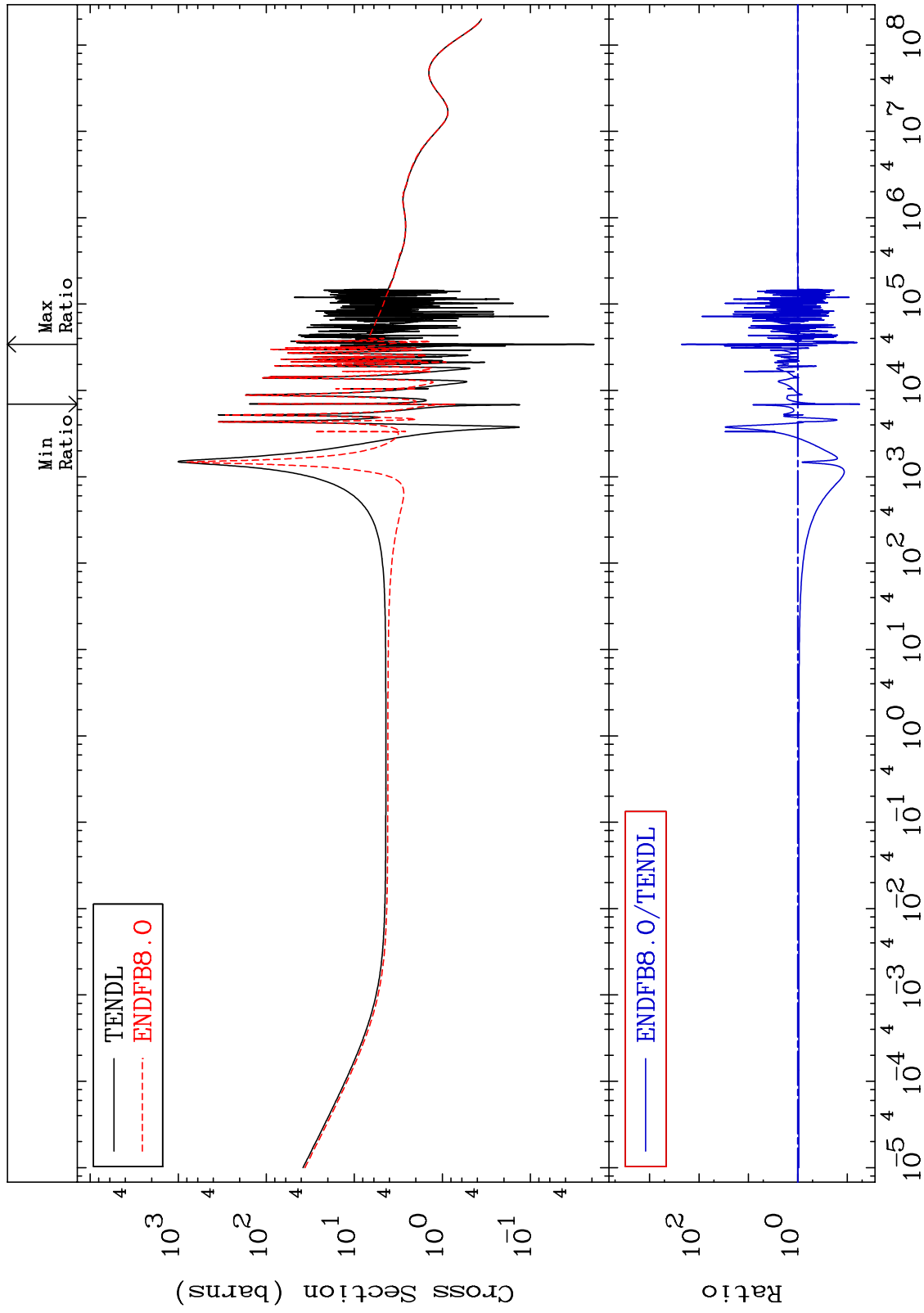
Incident Energy (eV)

20-Ca-43

MAT 2034

Elastic
Cross Section

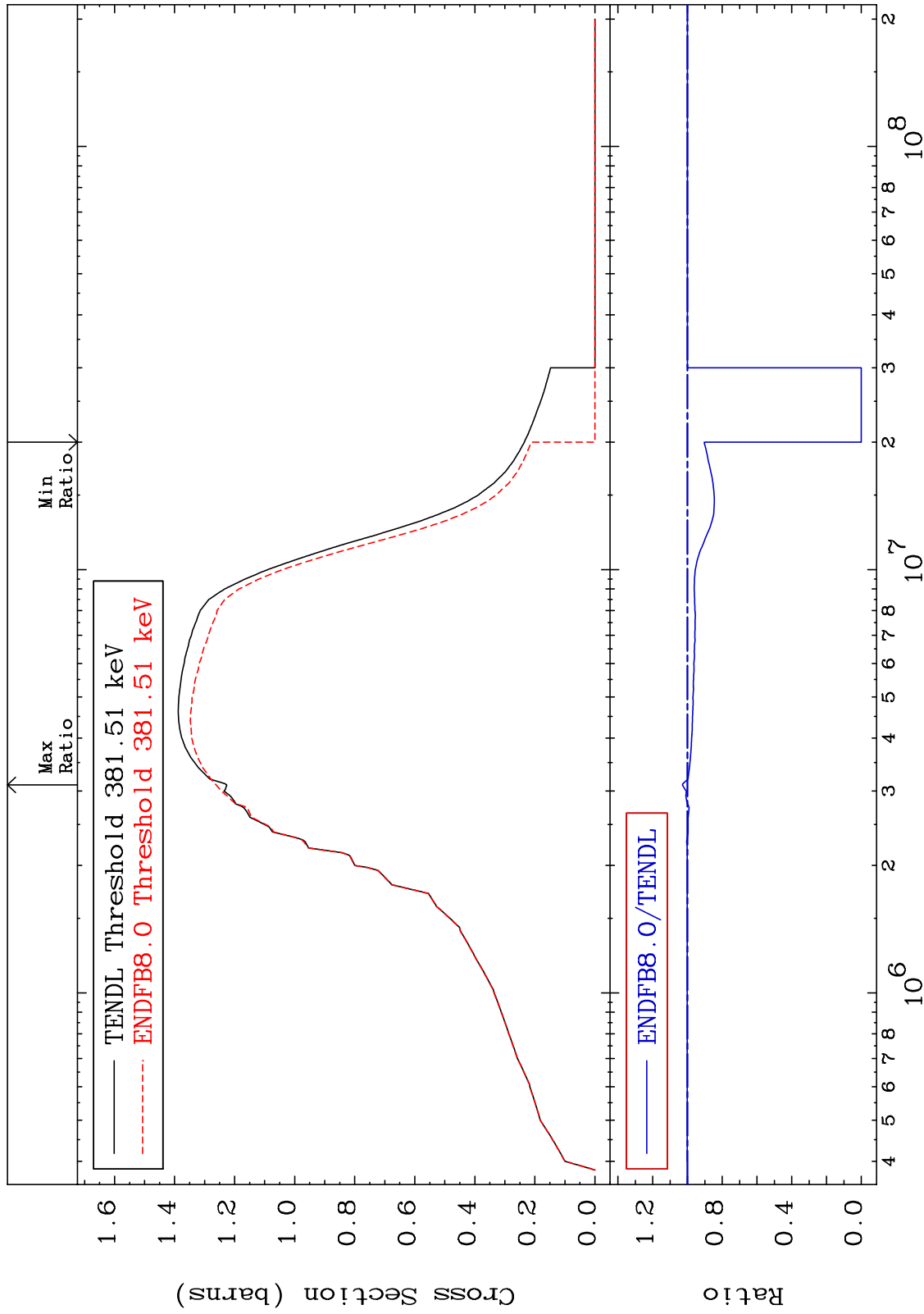
20-Ca-43
-94.44 To 9999. %



MAT 2034

Inelastic
Cross Section

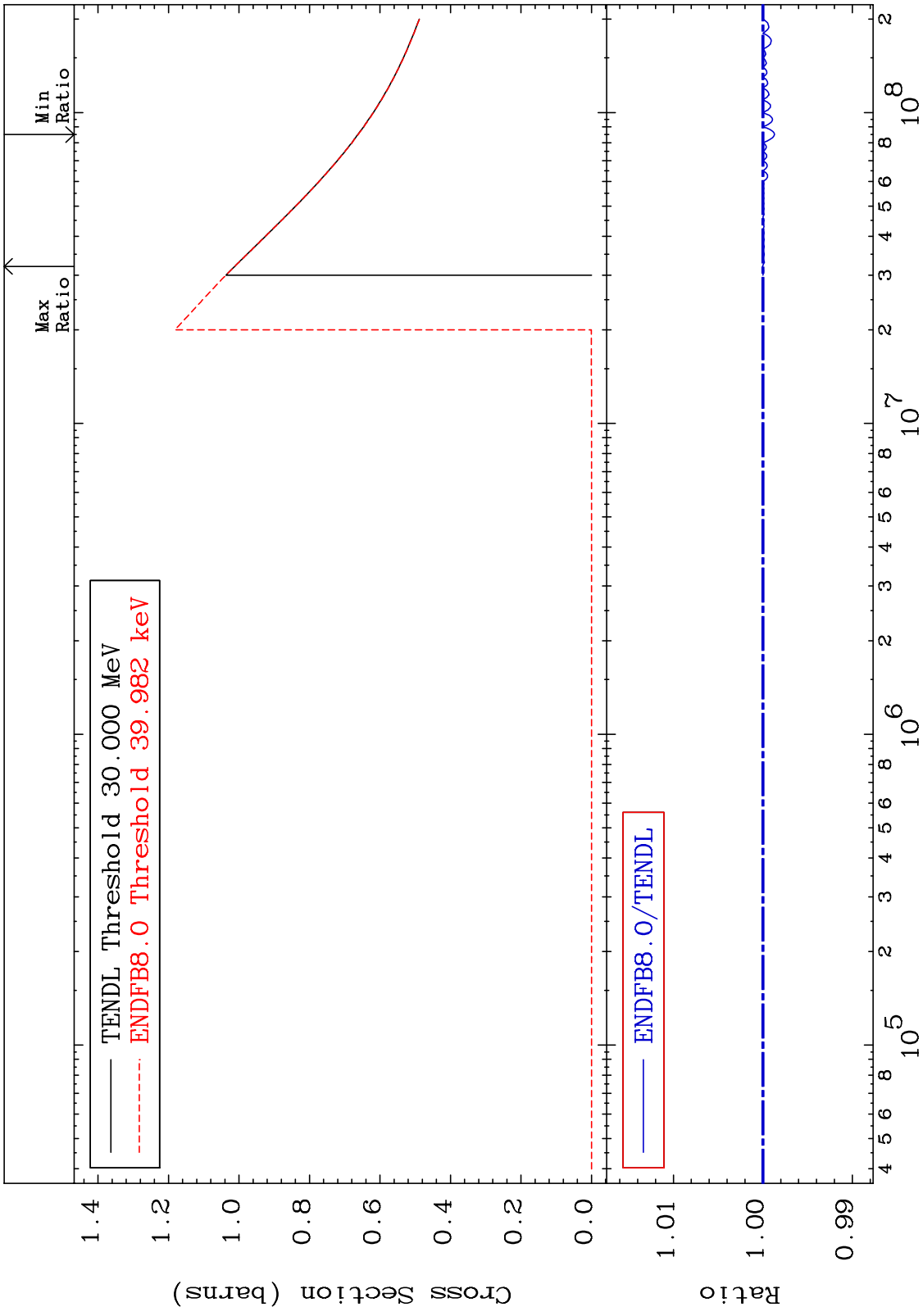
20-Ca-43
-100.0 To 2.887 %



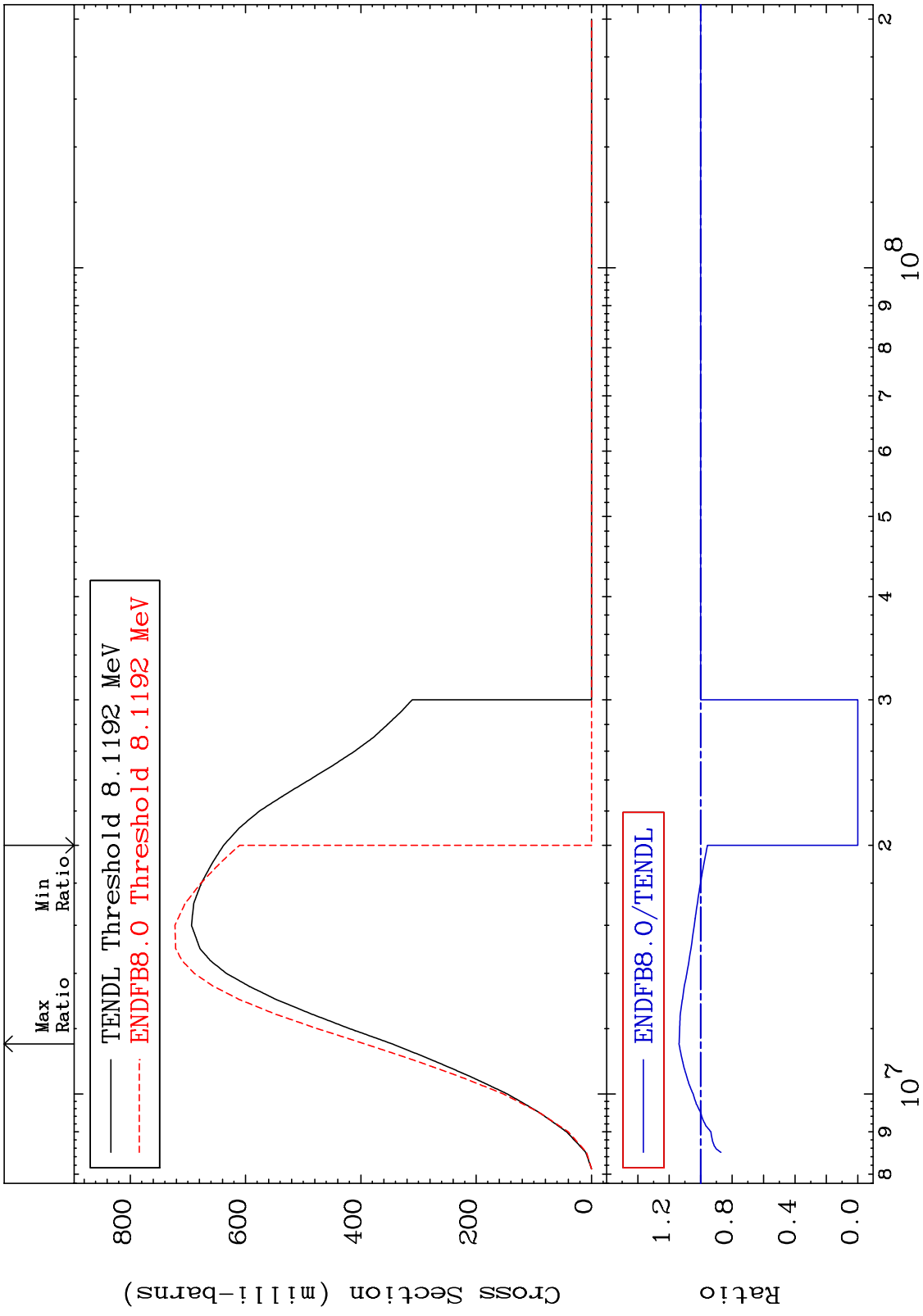
3

Incident Energy (eV)

20-Ca-43

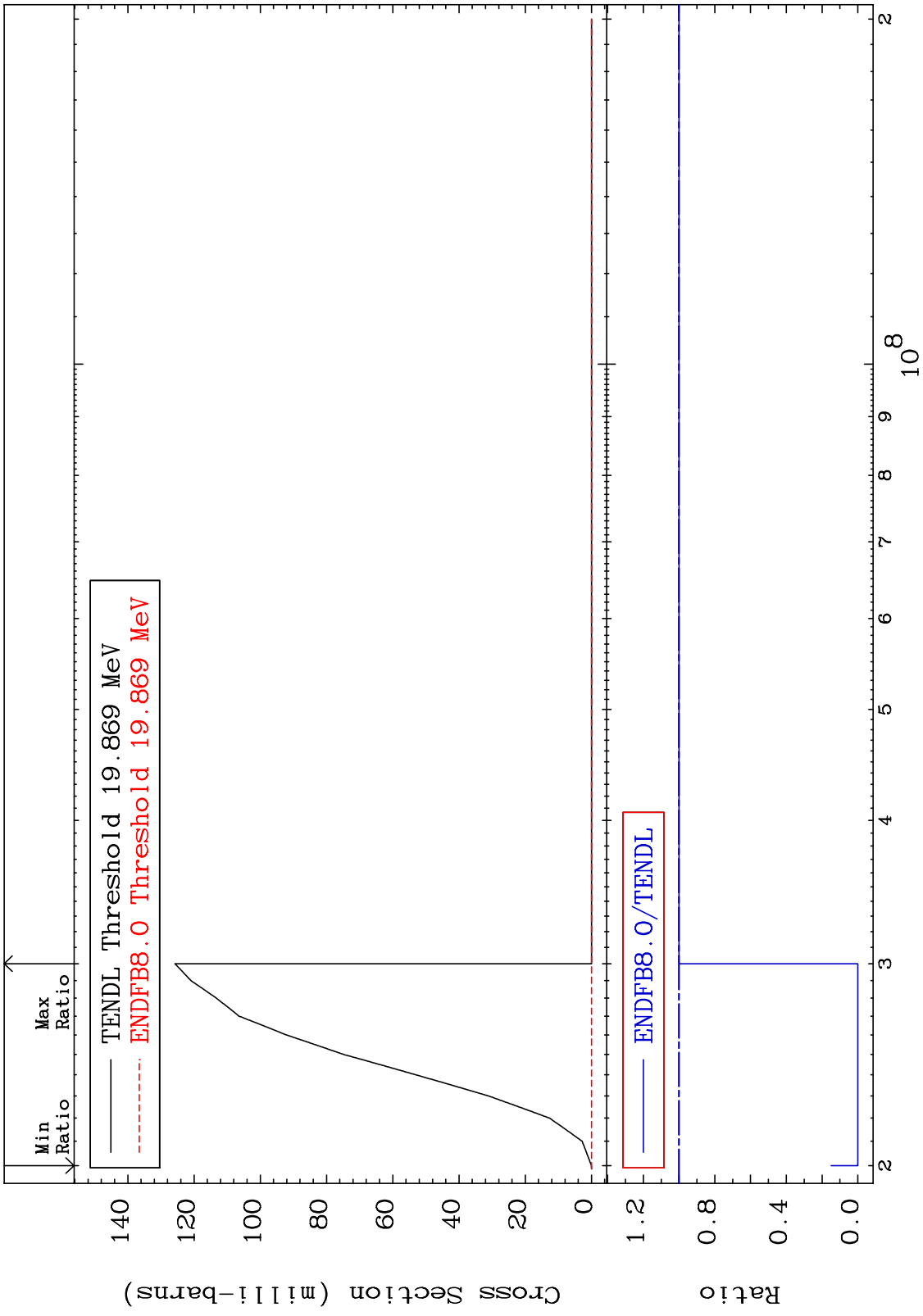


MAT 2034 (n,2n) Cross Section 20-Ca-43 -100.0 To 13.76 %

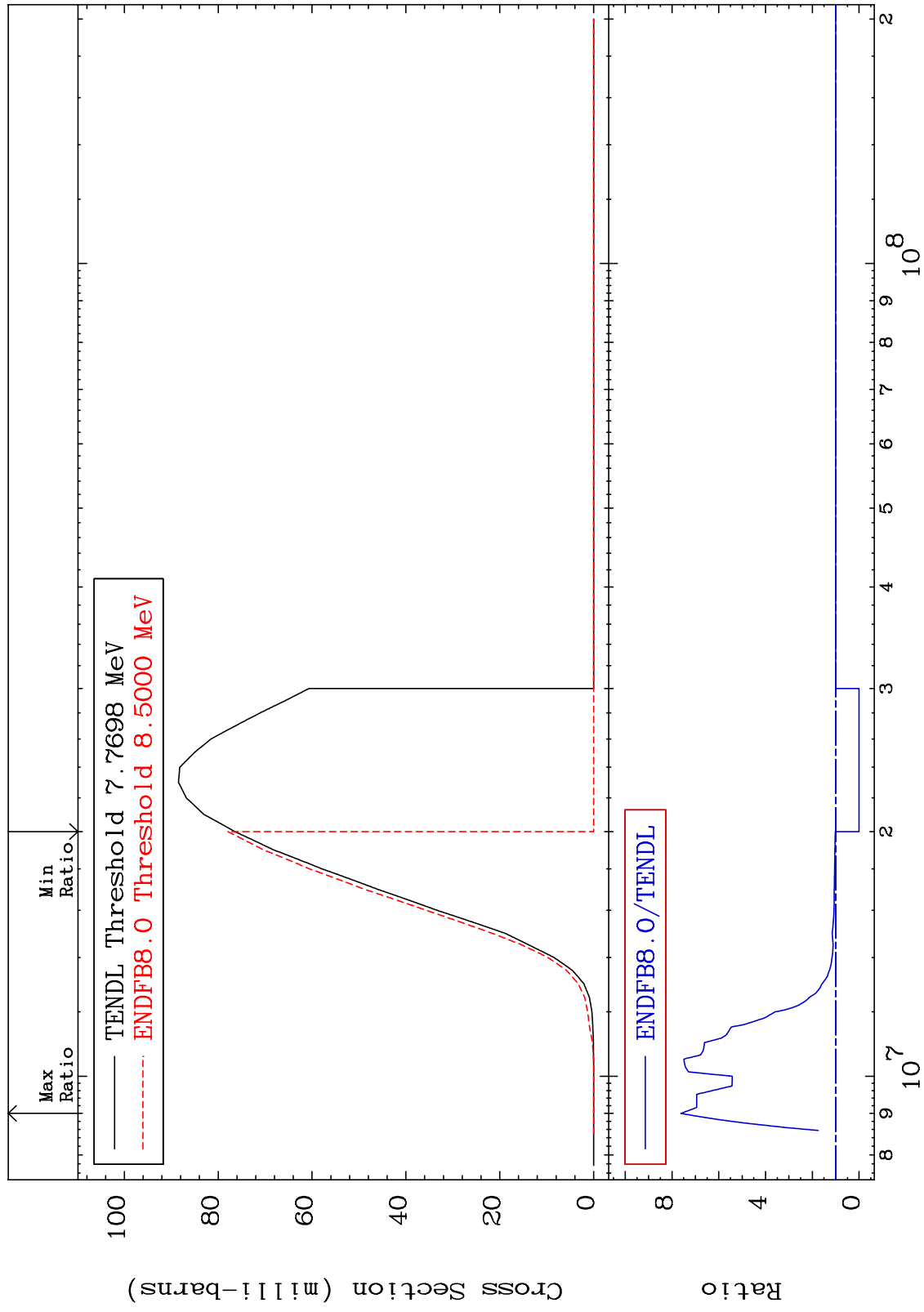


20-Ca-43

MAT 2034 (n,3n) 20-Ca-43
 Cross Section -100.0 To 0.000 %

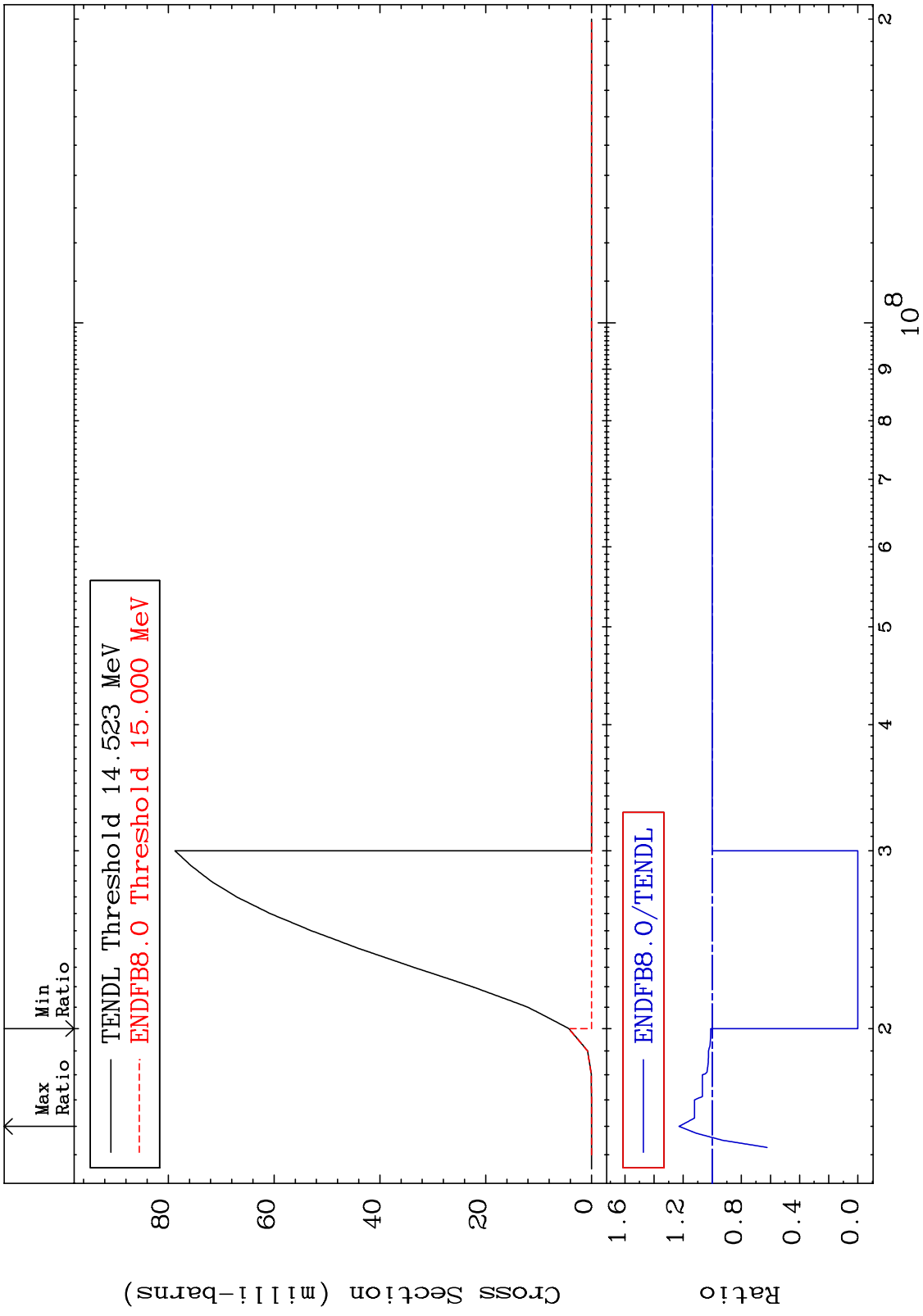


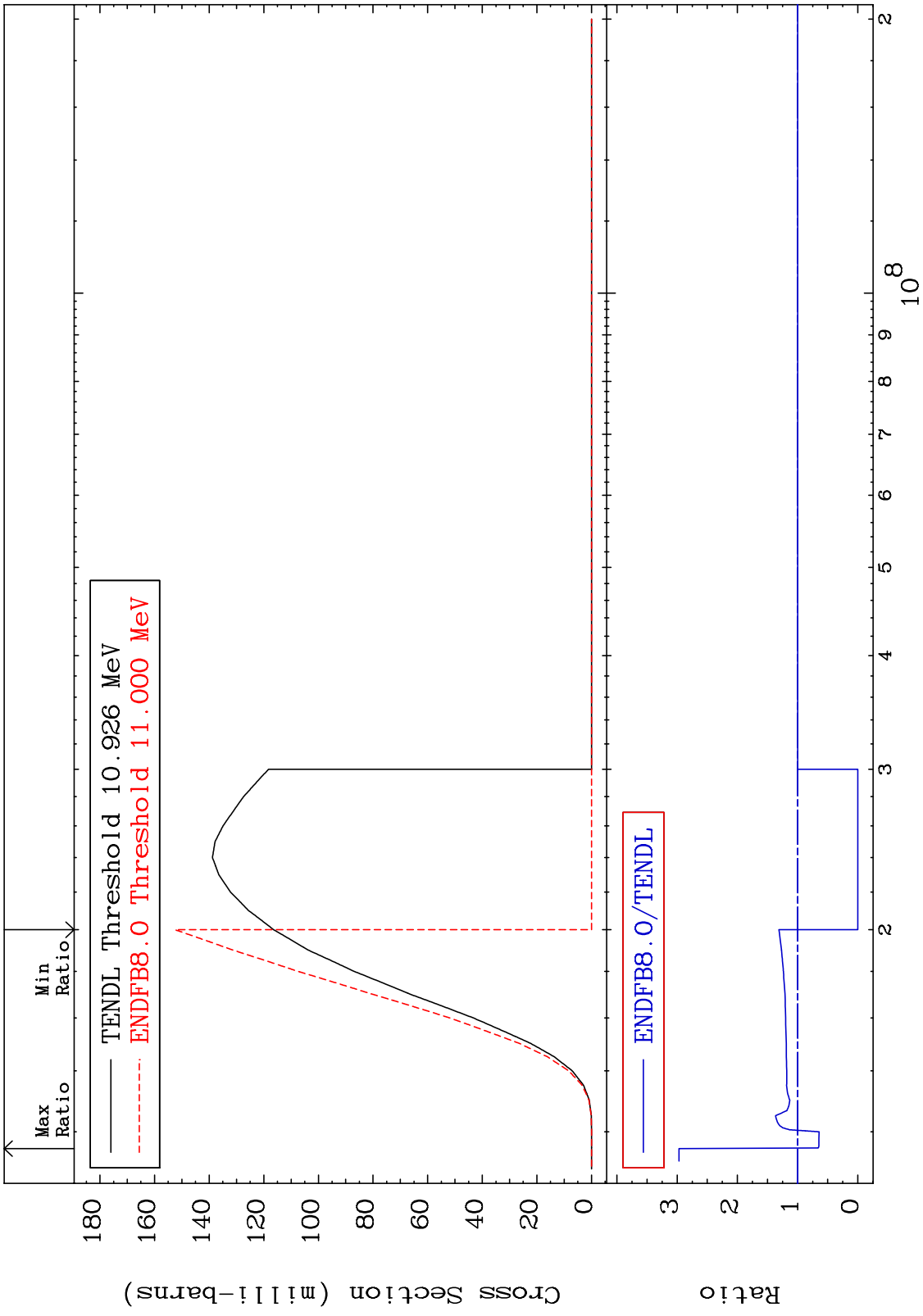
MAT 2034 (n,n') α 20-Ca-43
Cross Section -100.0 To 662.0 %



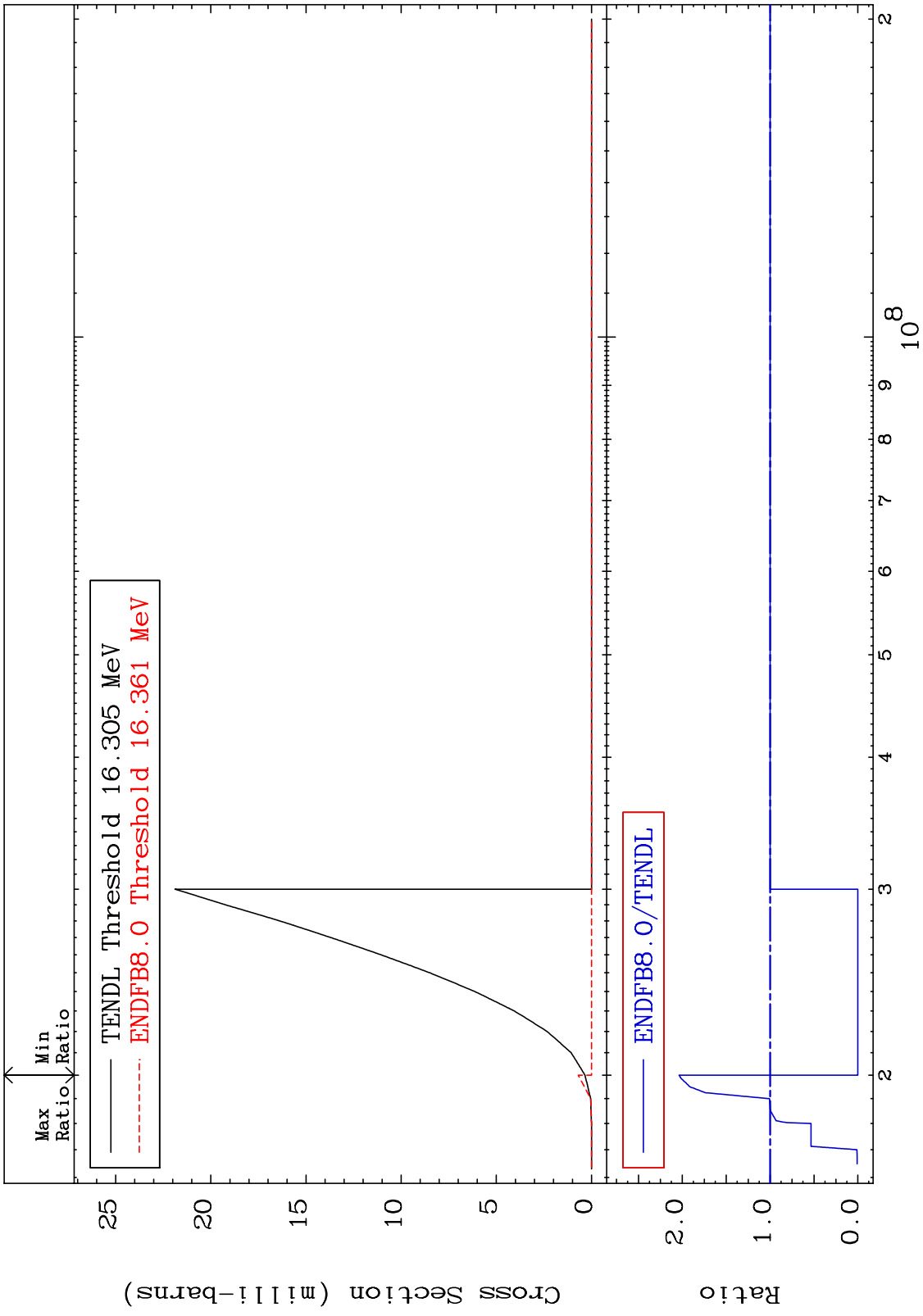
Incident Energy (eV) 20-Ca-43

MAT 2034 (n,2n) α 20-Ca-43
 Cross Section -100.0 To 22.82 %

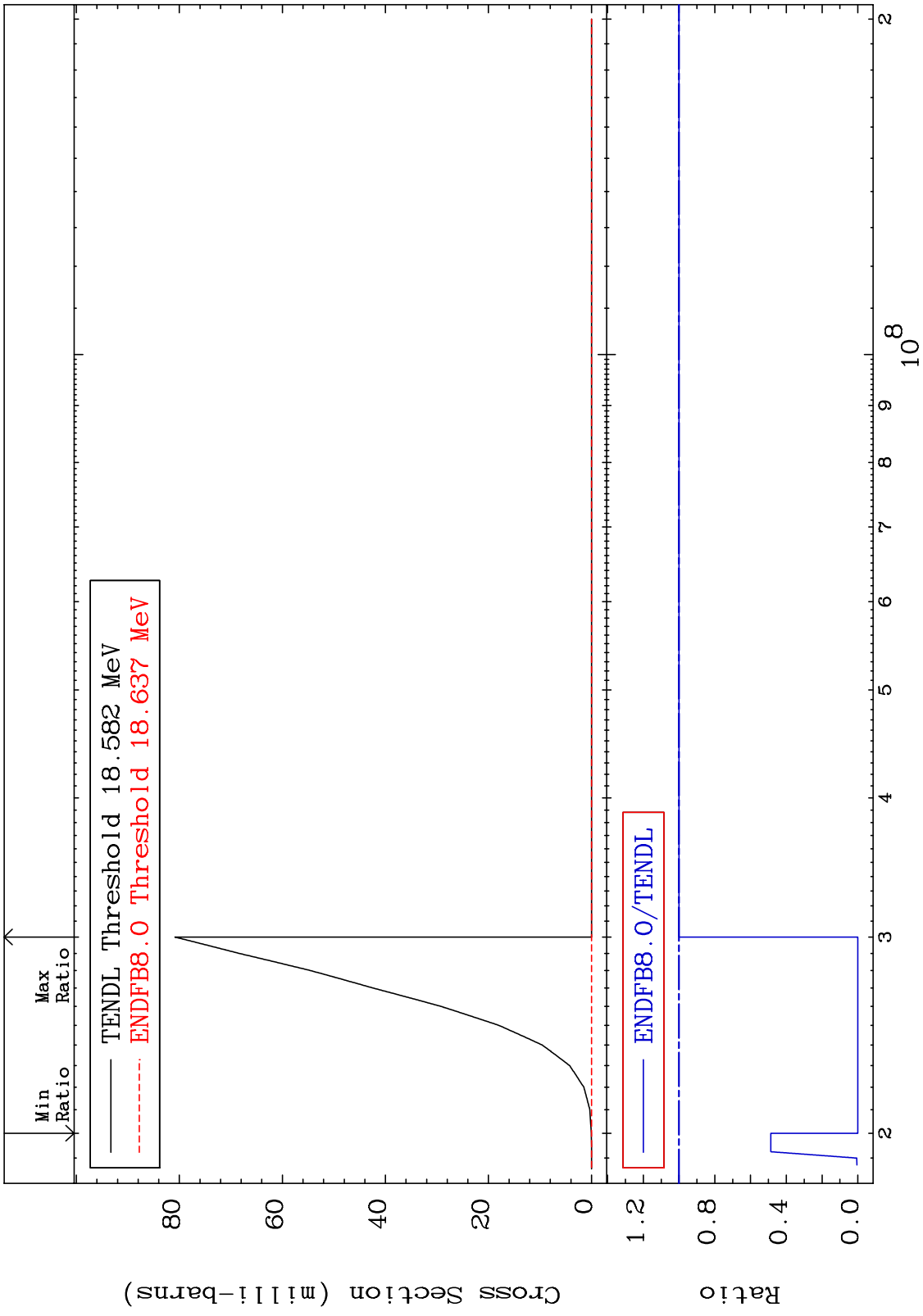




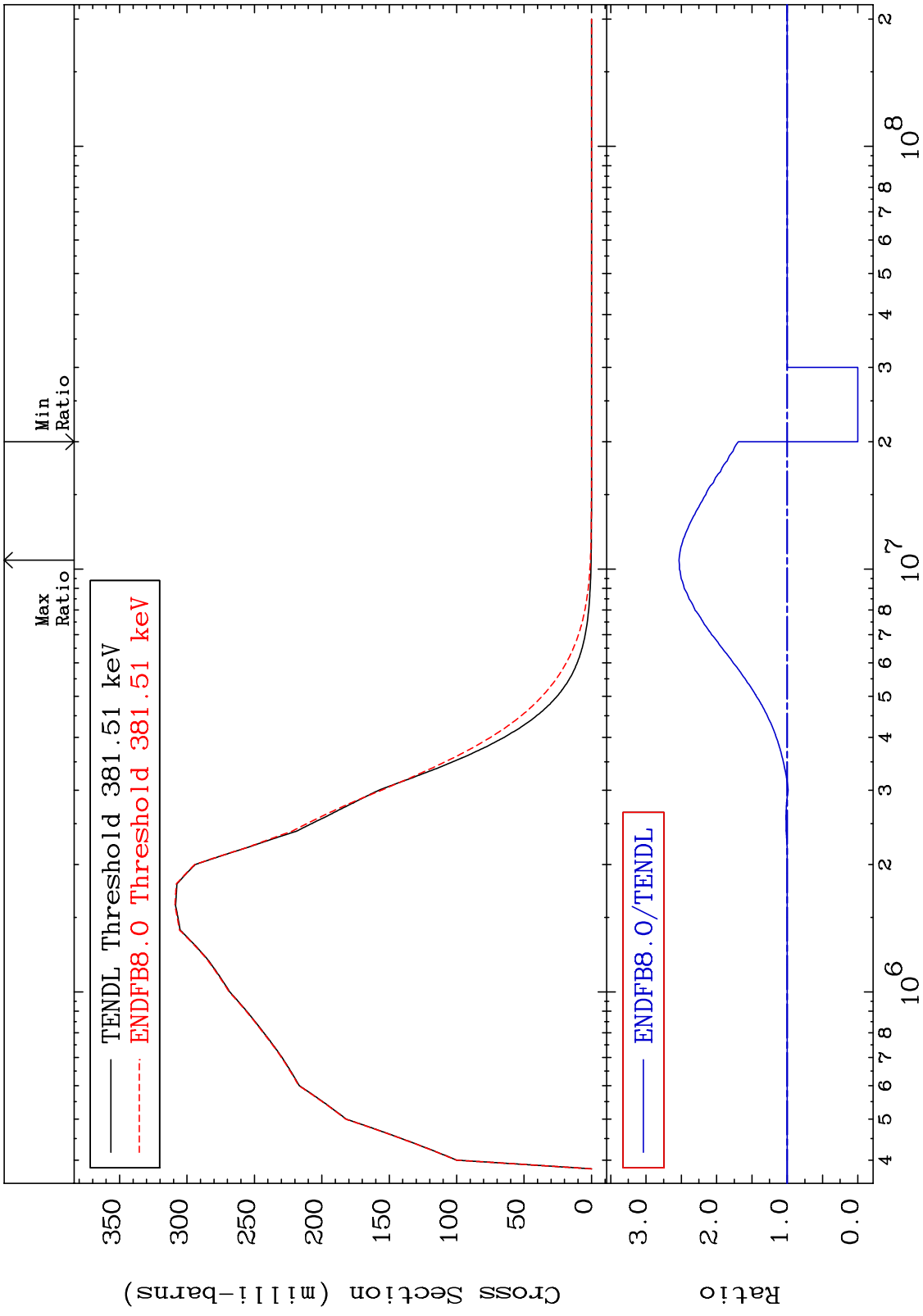
MAT 2034 (n,n') d 20-Ca-43
 Cross Section -100.0 To 103.8 %



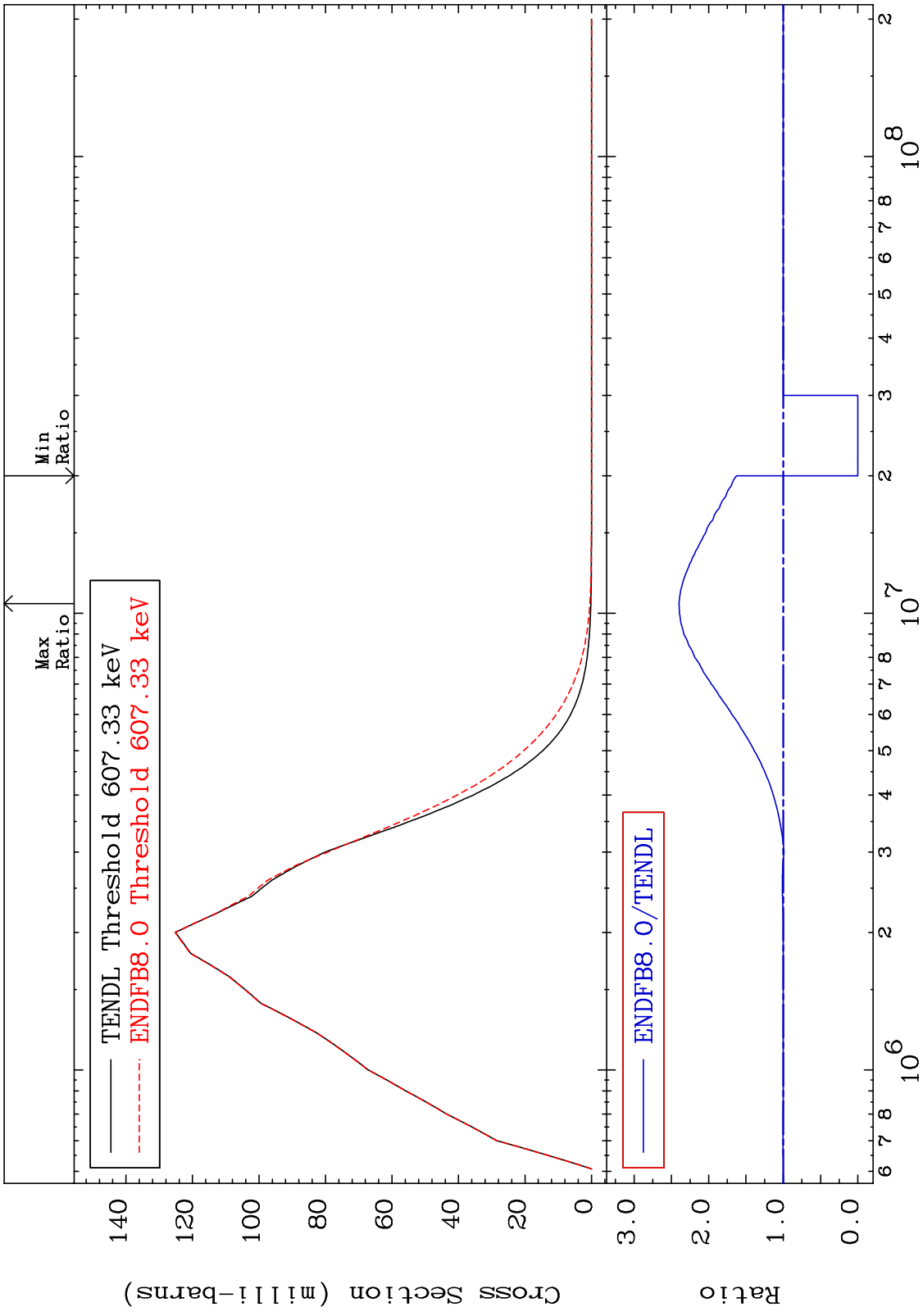
10 20-Ca-43



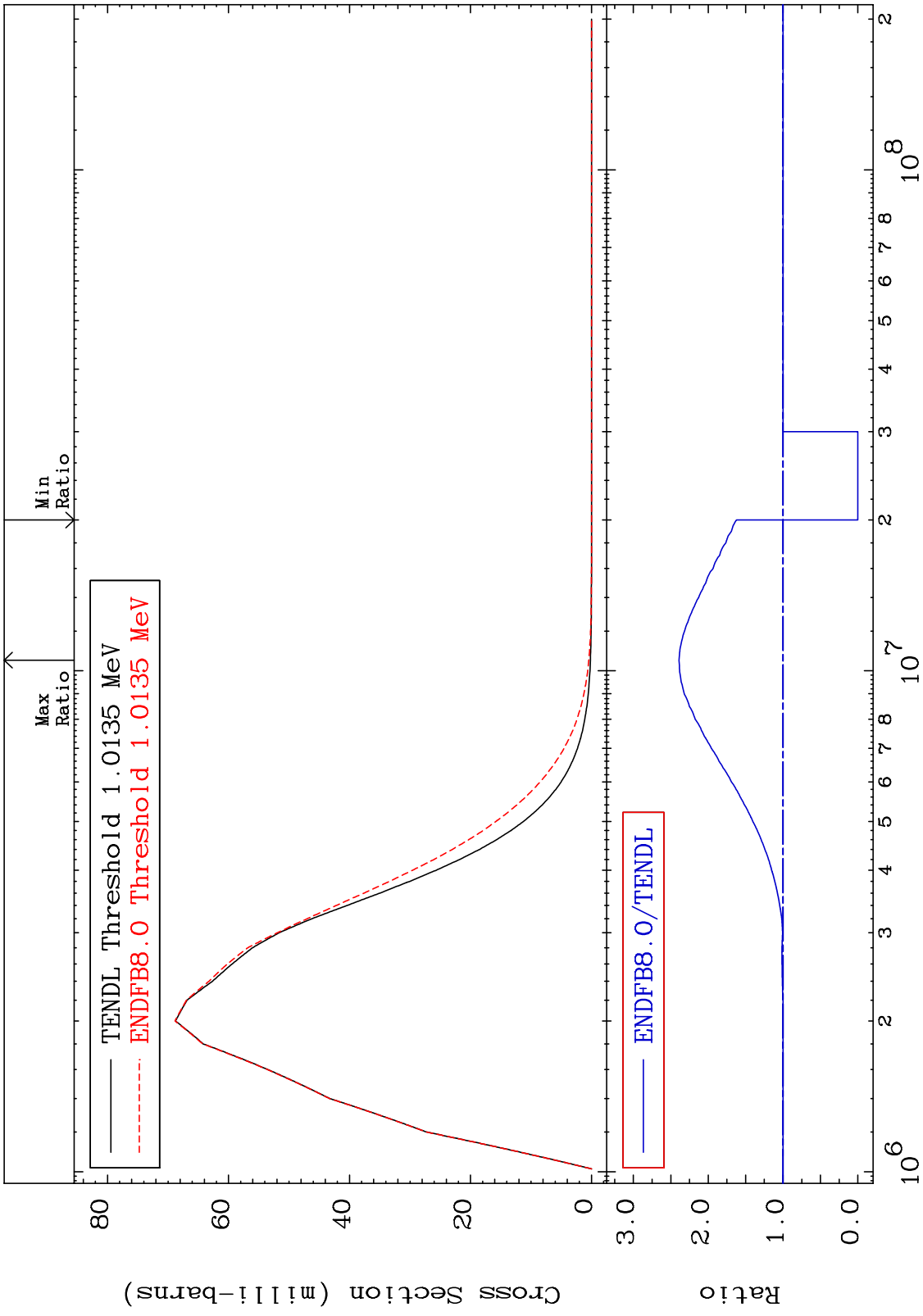
MAT 2034 MT= 51 (n,n') Level Cross Section -100.0 To 153.2 % 20-Ca-43



MAT 2034 MT= 52 (n,n') Level Cross Section -100.0 To 139.7 % 20-Ca-43

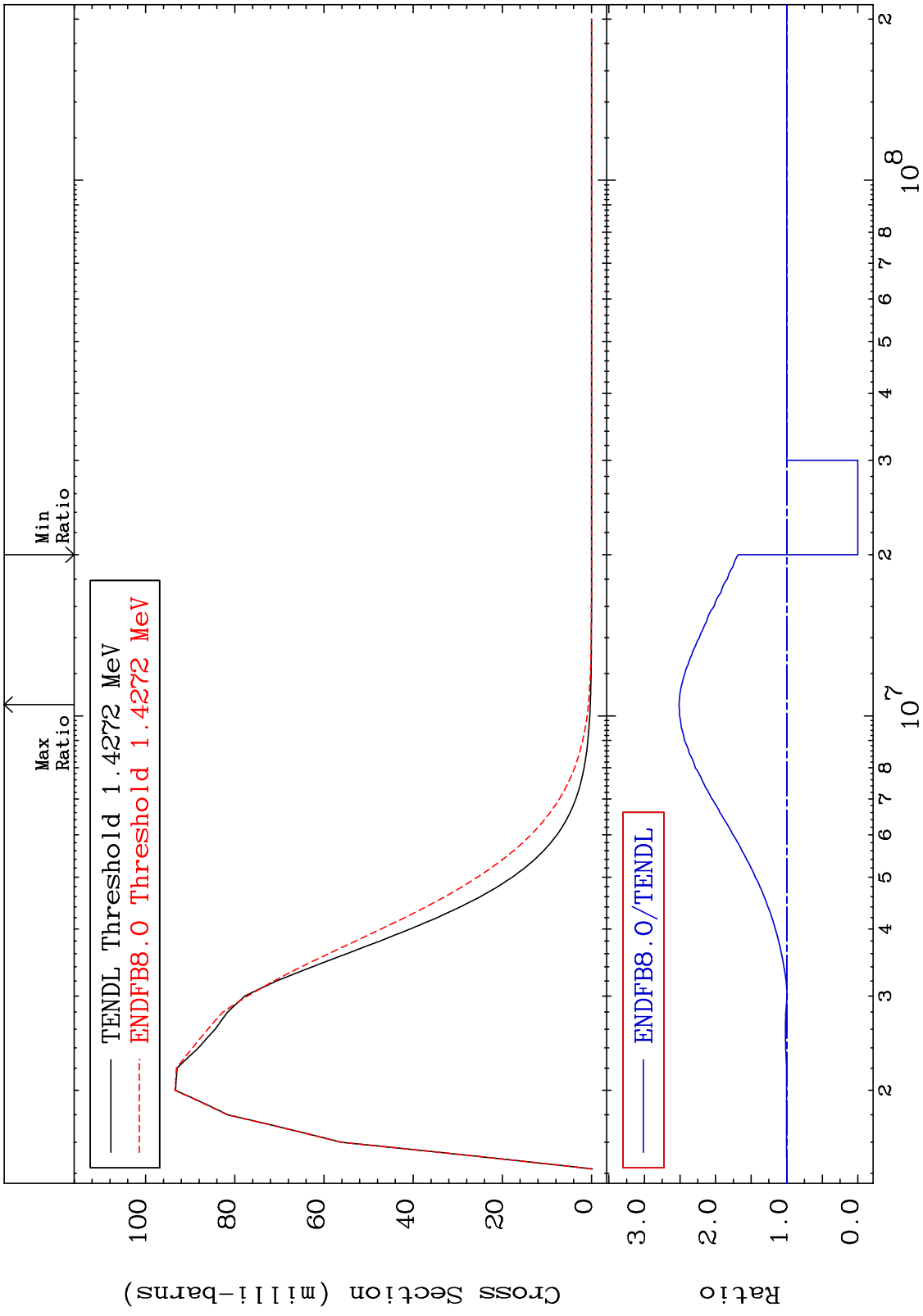


MAT 2034 MT= 53 (n,n') Level Cross Section -100.0 To 139.0 % 20-Ca-43

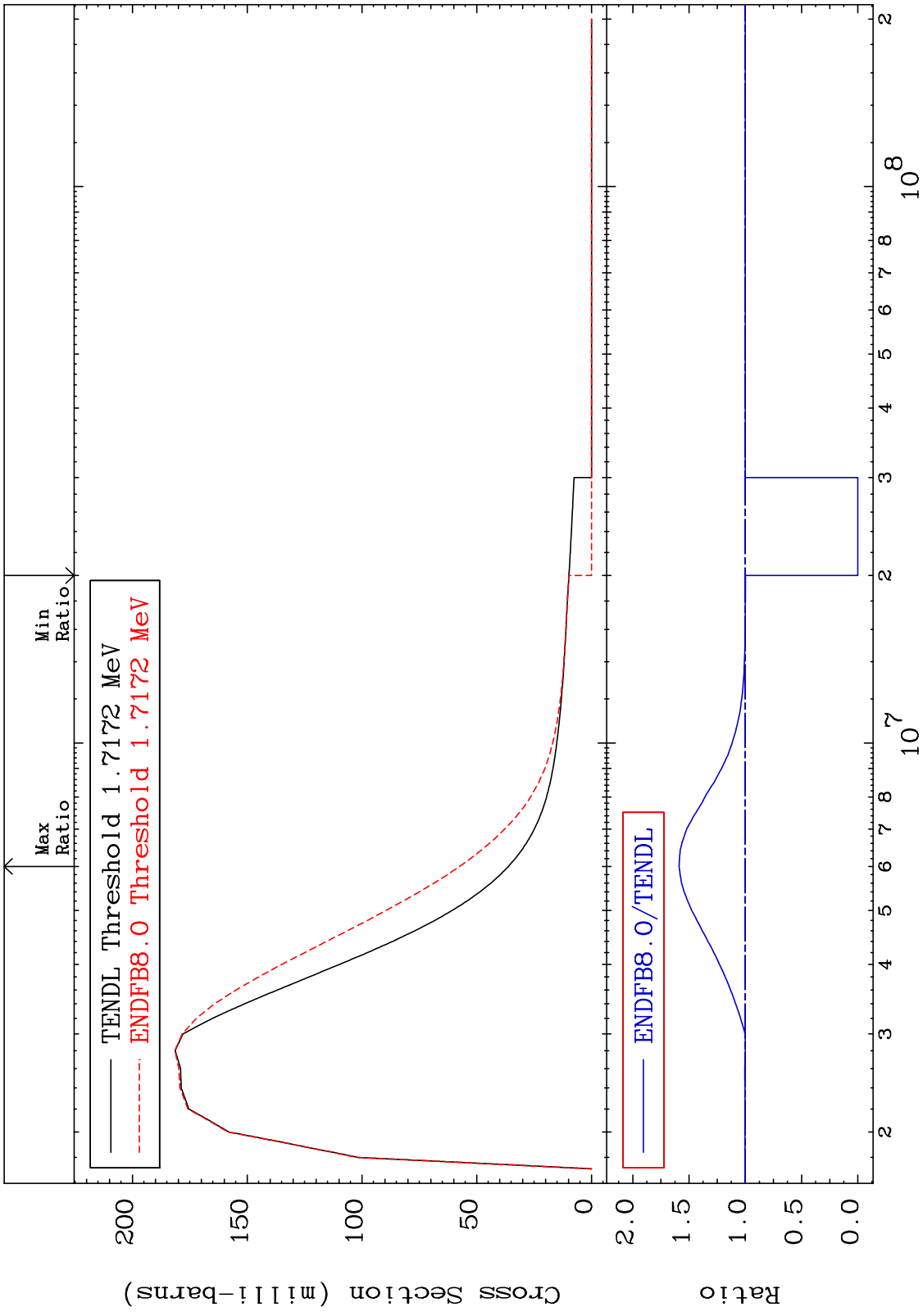


14 Incident Energy (eV) 20-Ca-43

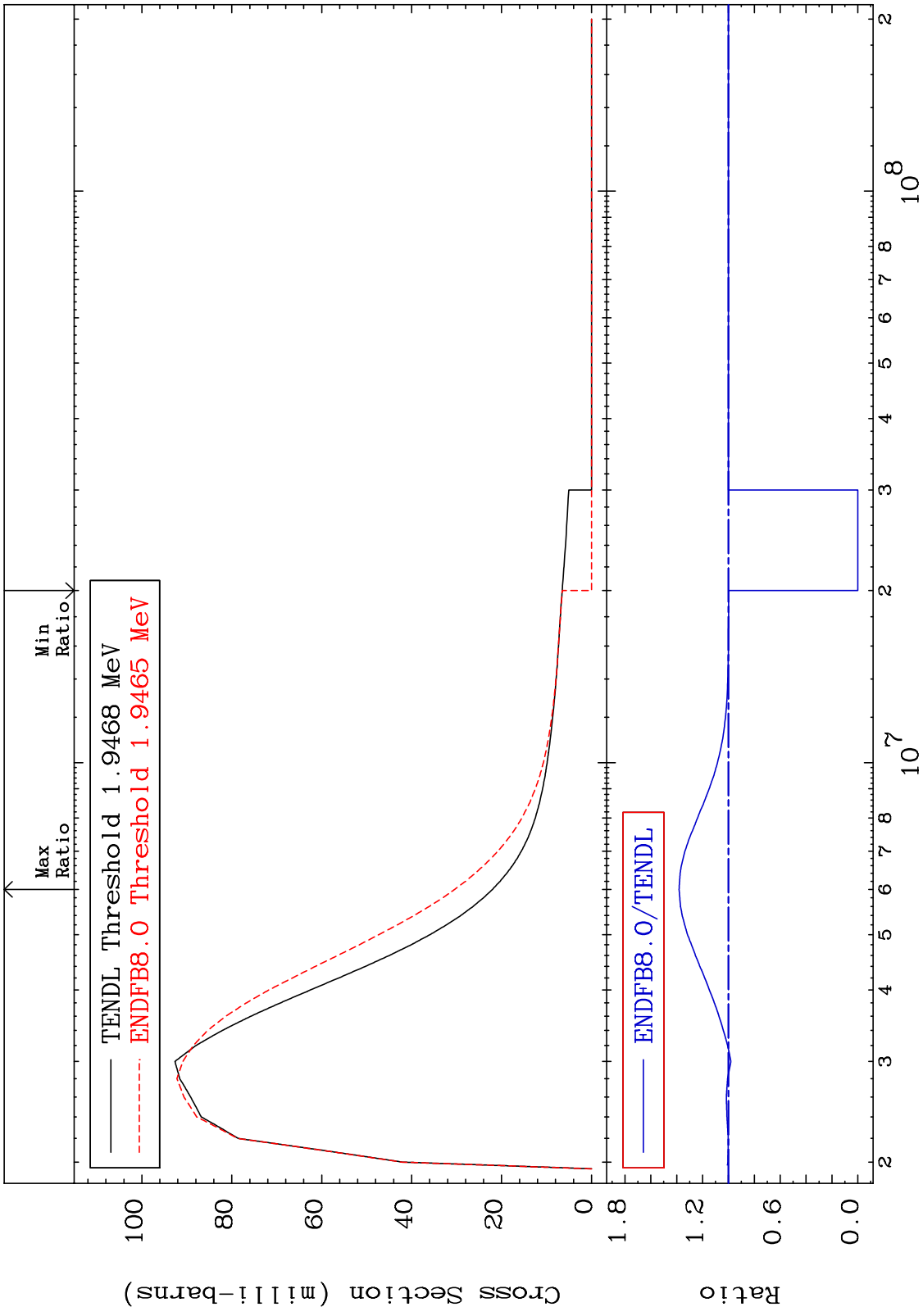
MAT 2034 MT= 54 (n,n') Level Cross Section -100.0 To 151.4 % 20-Ca-43



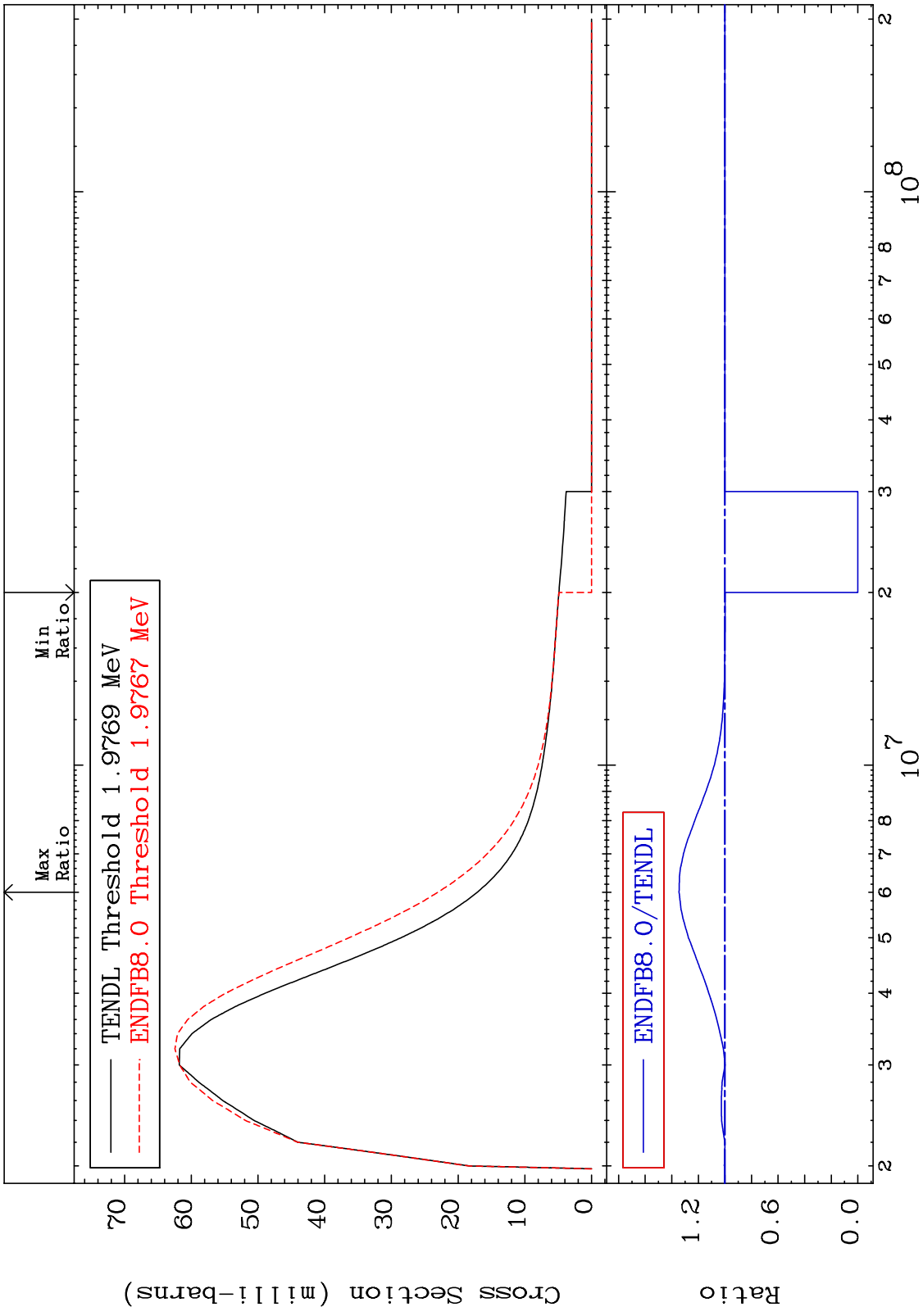
MAT 2034 MT= 55 (n,n') Level Cross Section -100.0 To 58.86 % 20-Ca-43



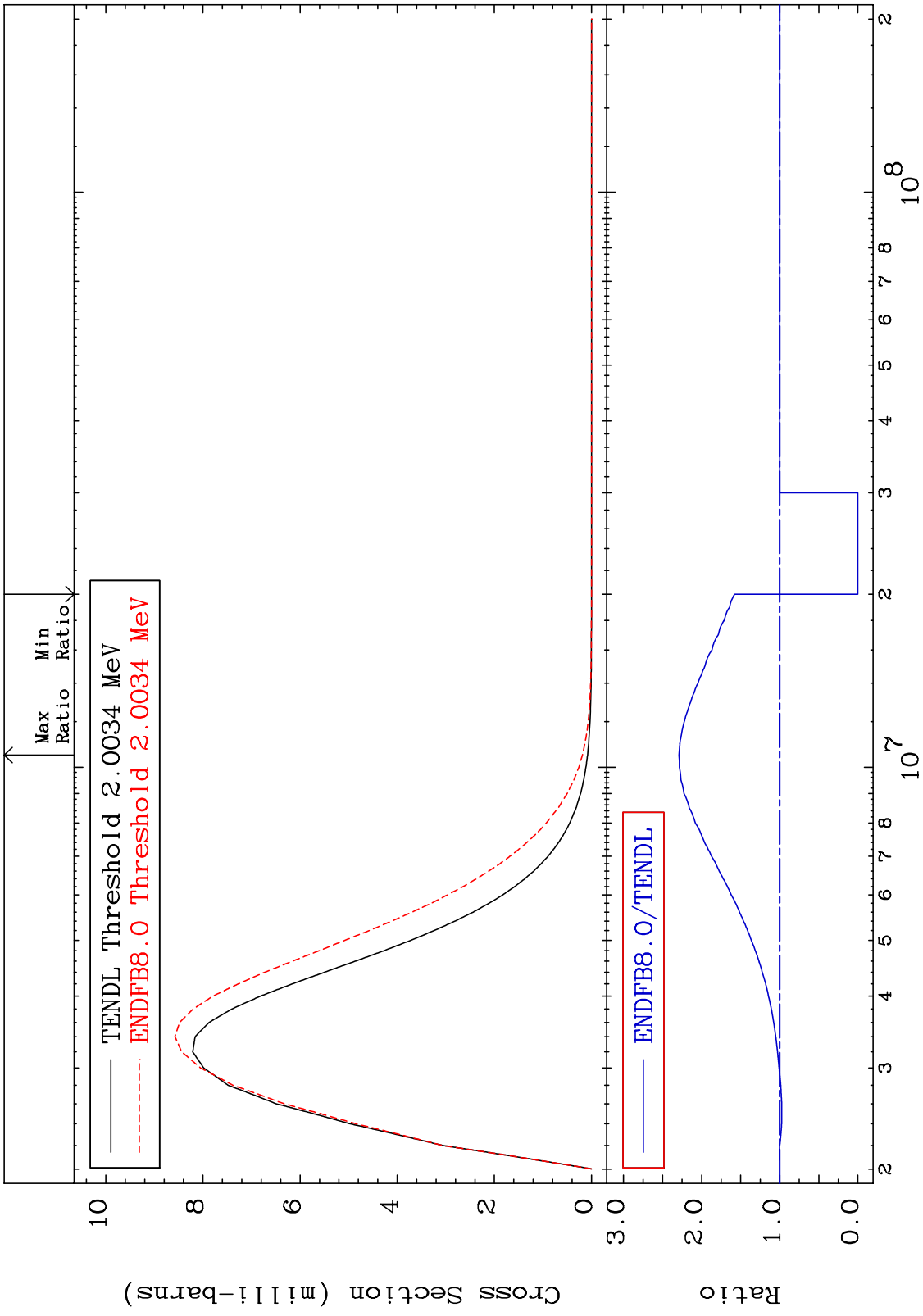
MAT 2034 MT= 56 (n,n') Level Cross Section -100.0 To 38.18 % 20-Ca-43



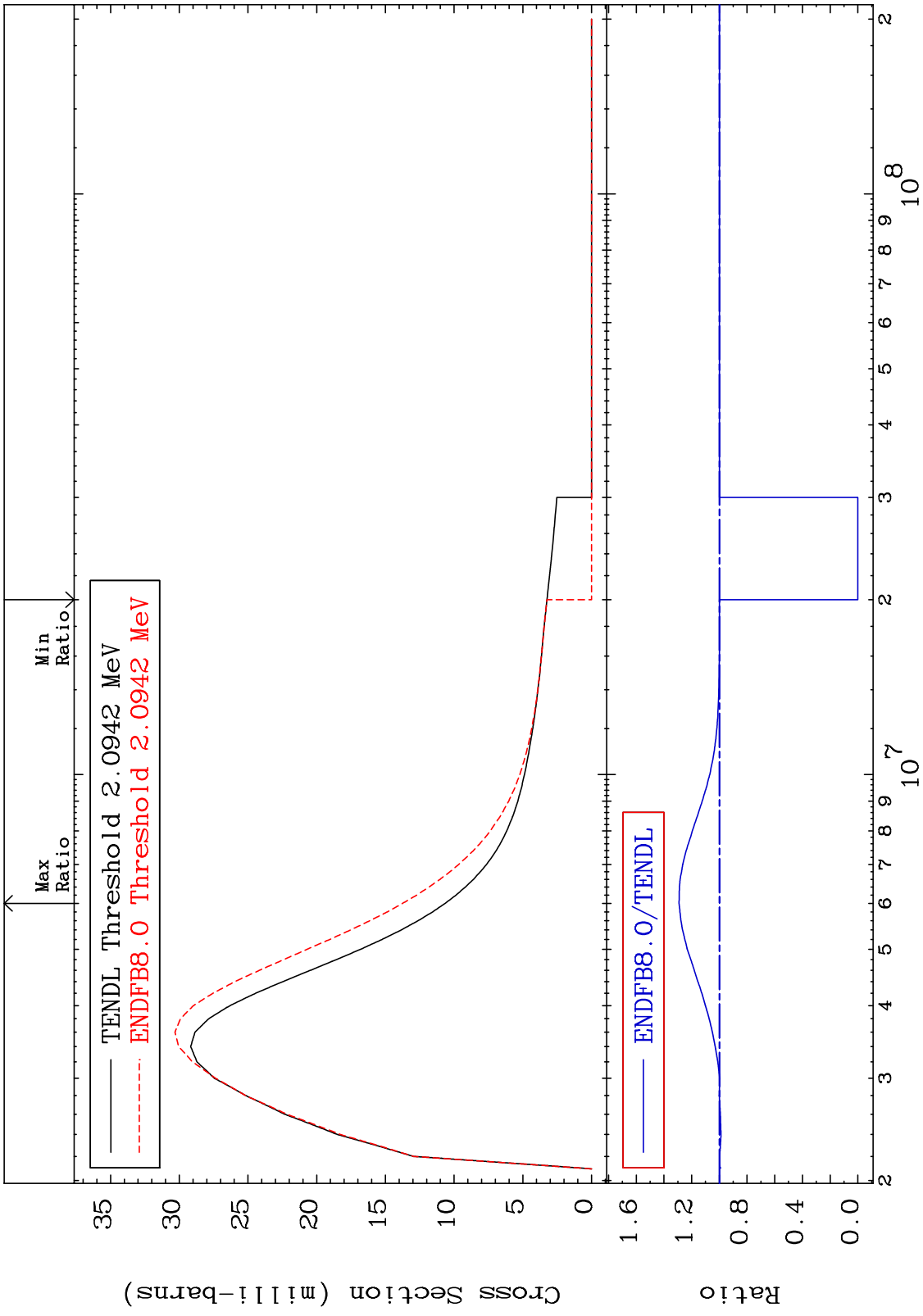
MAT 2034 MT= 57 (n,n') Level Cross Section -100.0 To 34.53 % 20-Ca-43



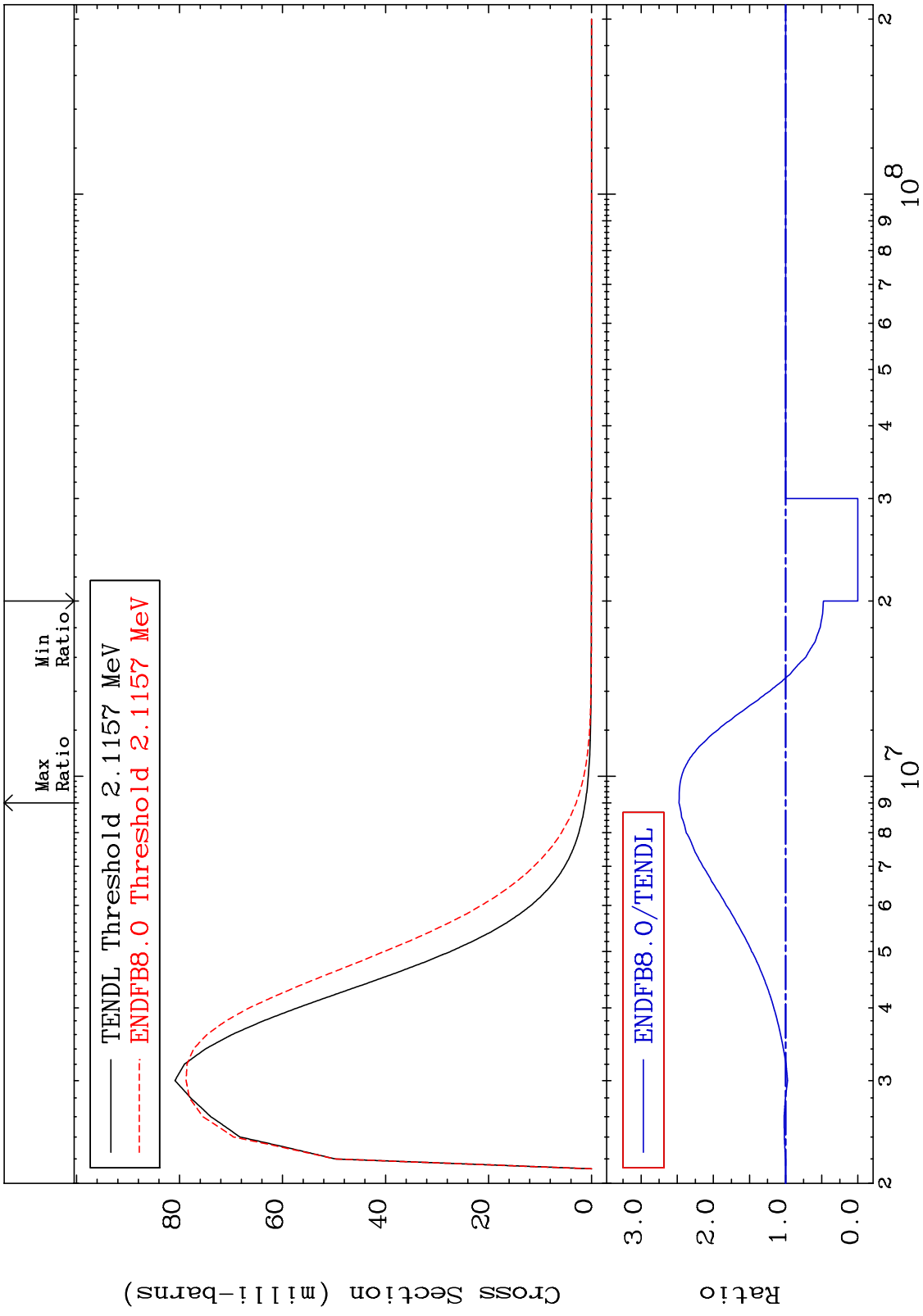
MAT 2034 MT= 58 (n,n') Level Cross Section -100.0 To 128.9 % 20-Ca-43



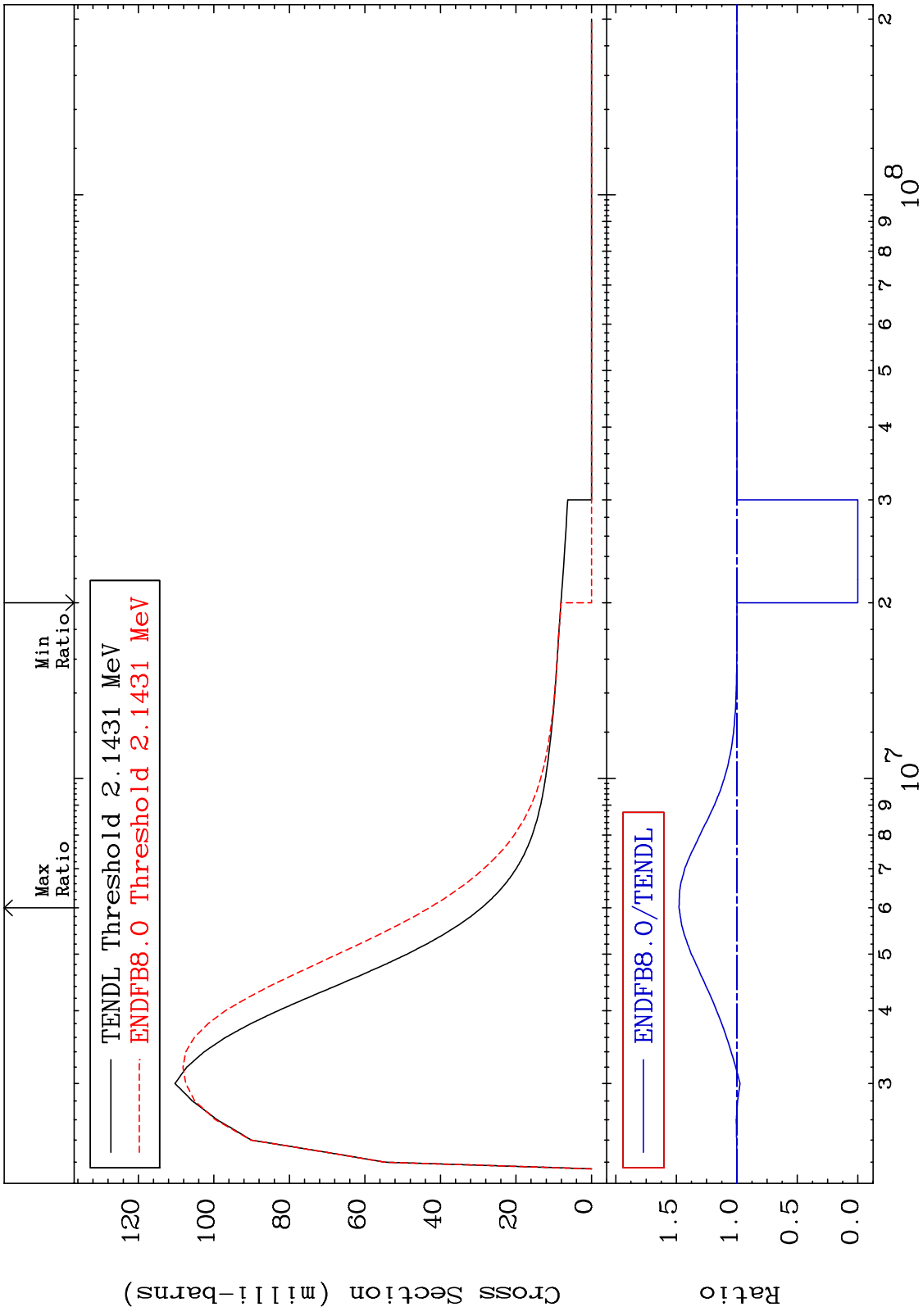
MAT 2034 MT= 59 (n,n') Level Cross Section -100.0 To 29.12 % 20-Ca-43



MAT 2034 MT= 60 (n,n') Level Cross Section -100.0 To 147.5 % 20-Ca-43



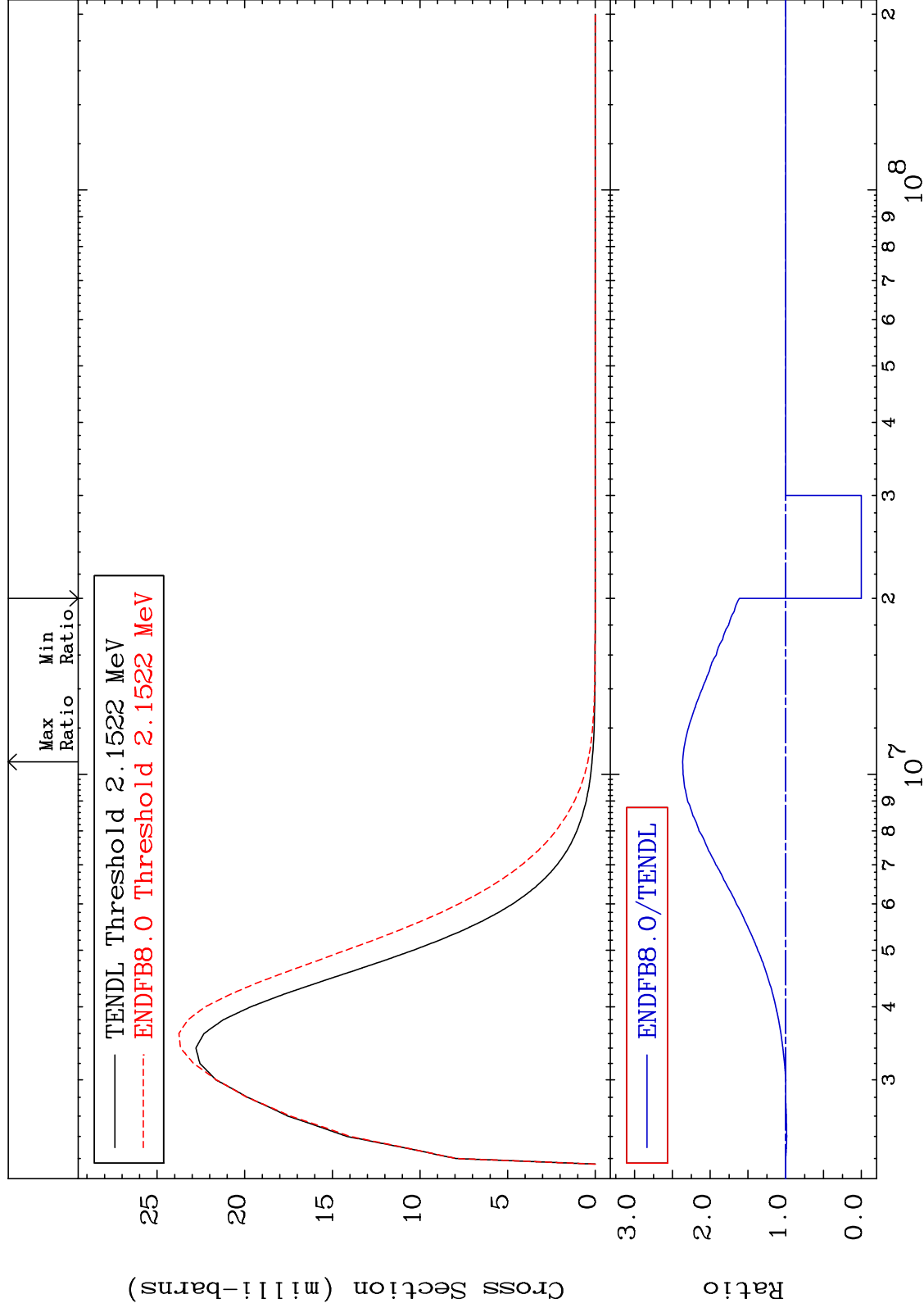
MAT 2034 MT= 61 (n,n') Level Cross Section -100.0 To 47.77 % 20-Ca-43



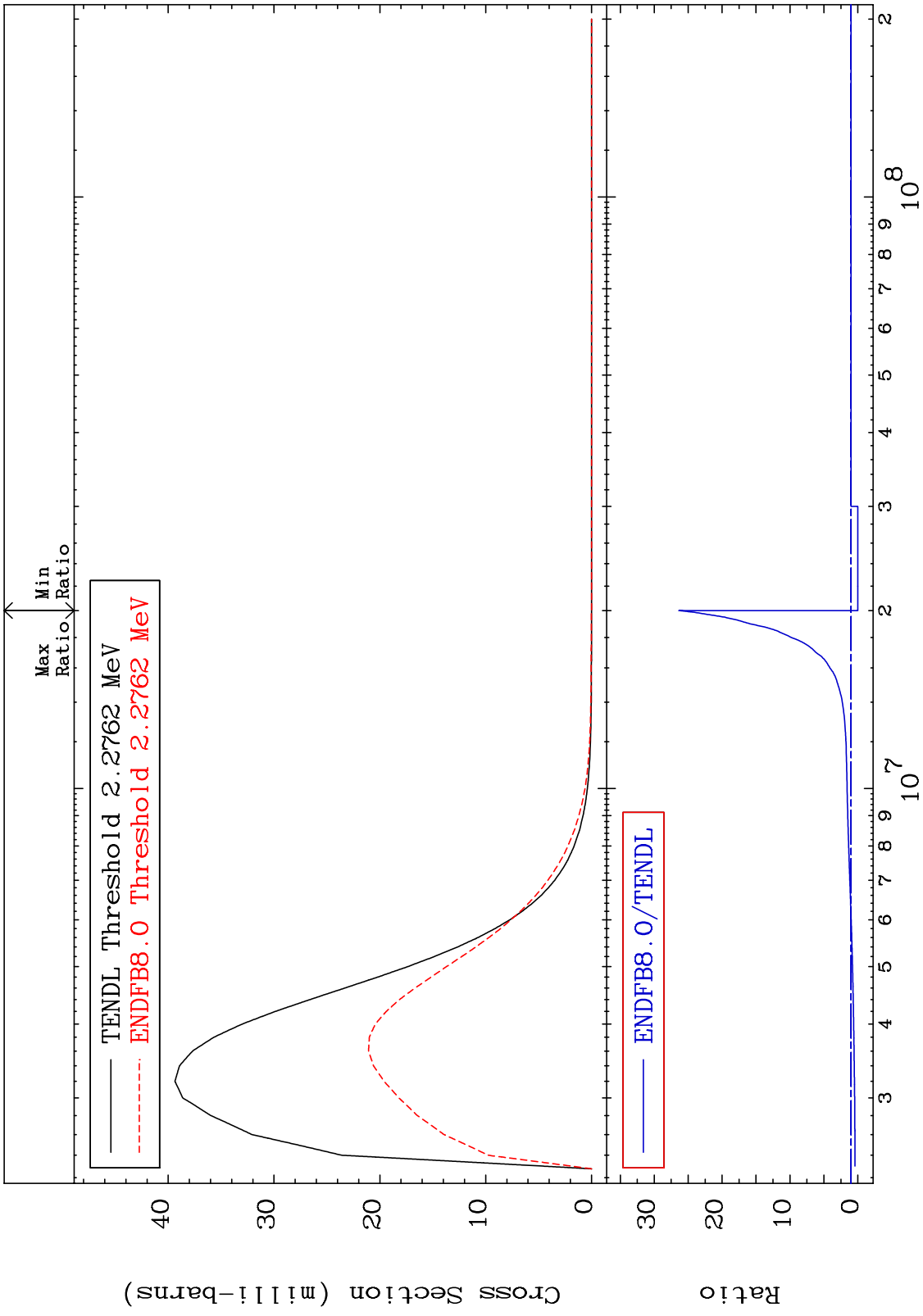
MAT 2034

MT= 62 (n,n') Level
Cross Section

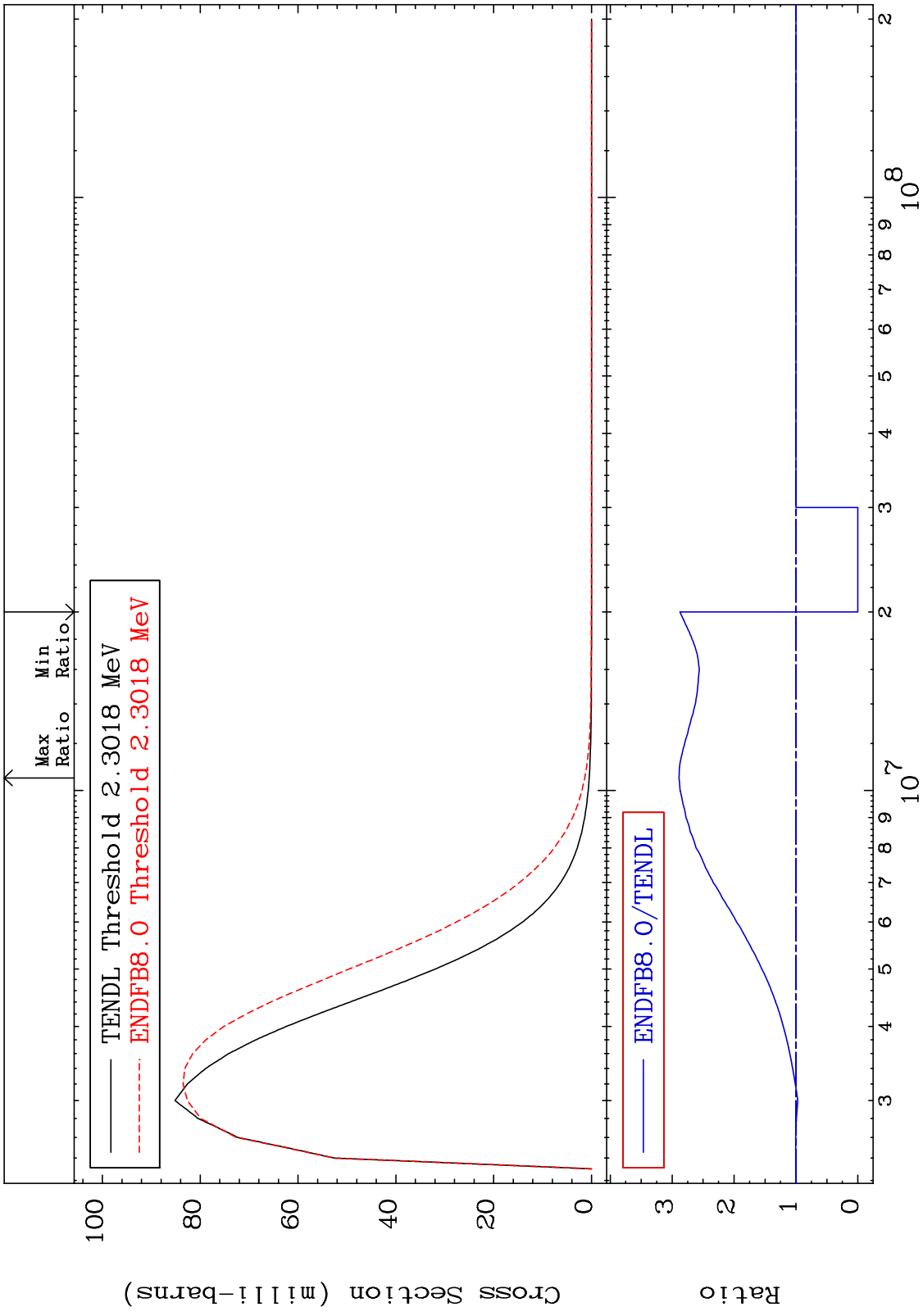
20-Ca-43
-100.0 To 136.4 %



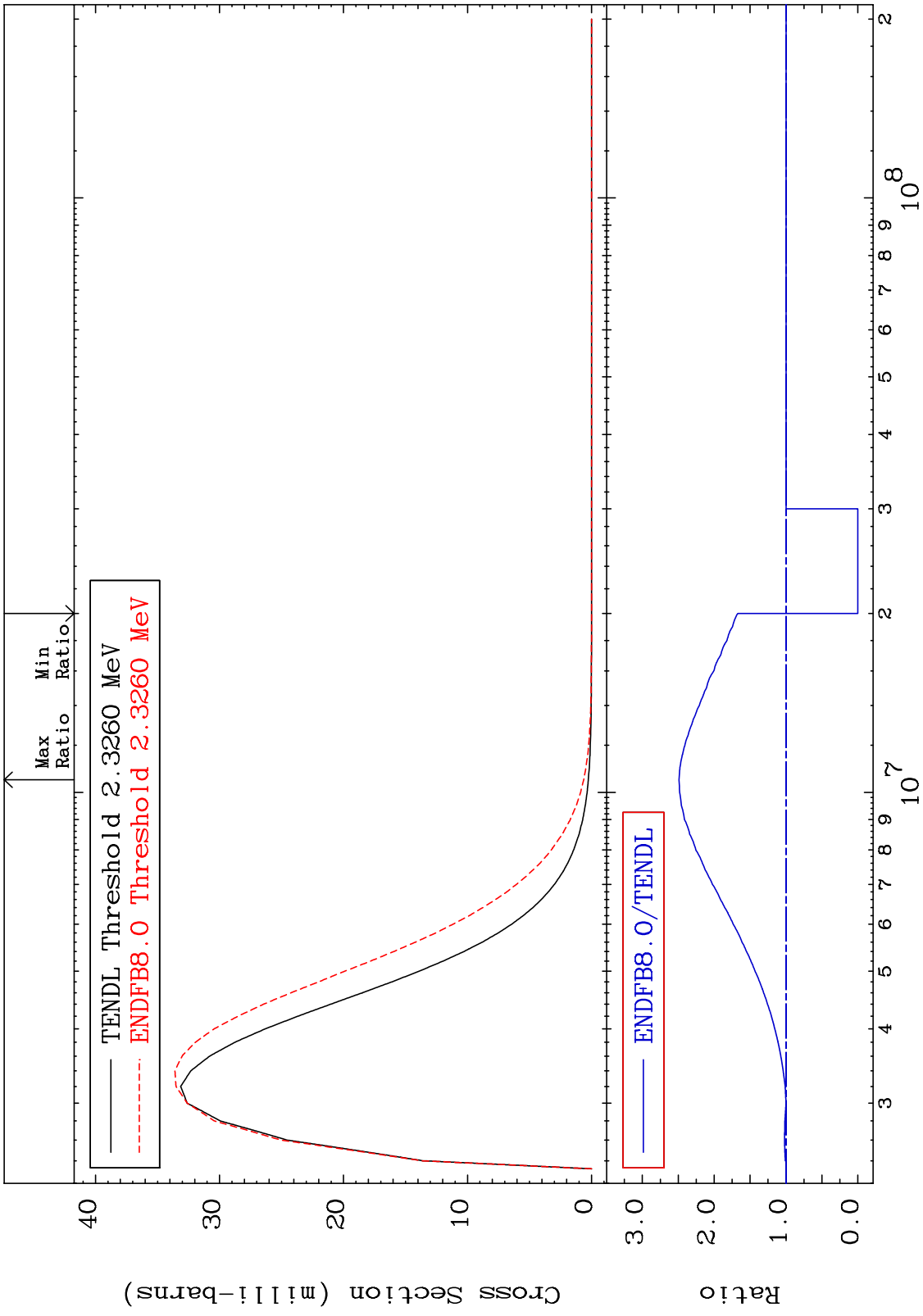
MAT 2034 MT= 63 (n,n') Level Cross Section -100.0 To 2534. % 20-Ca-43



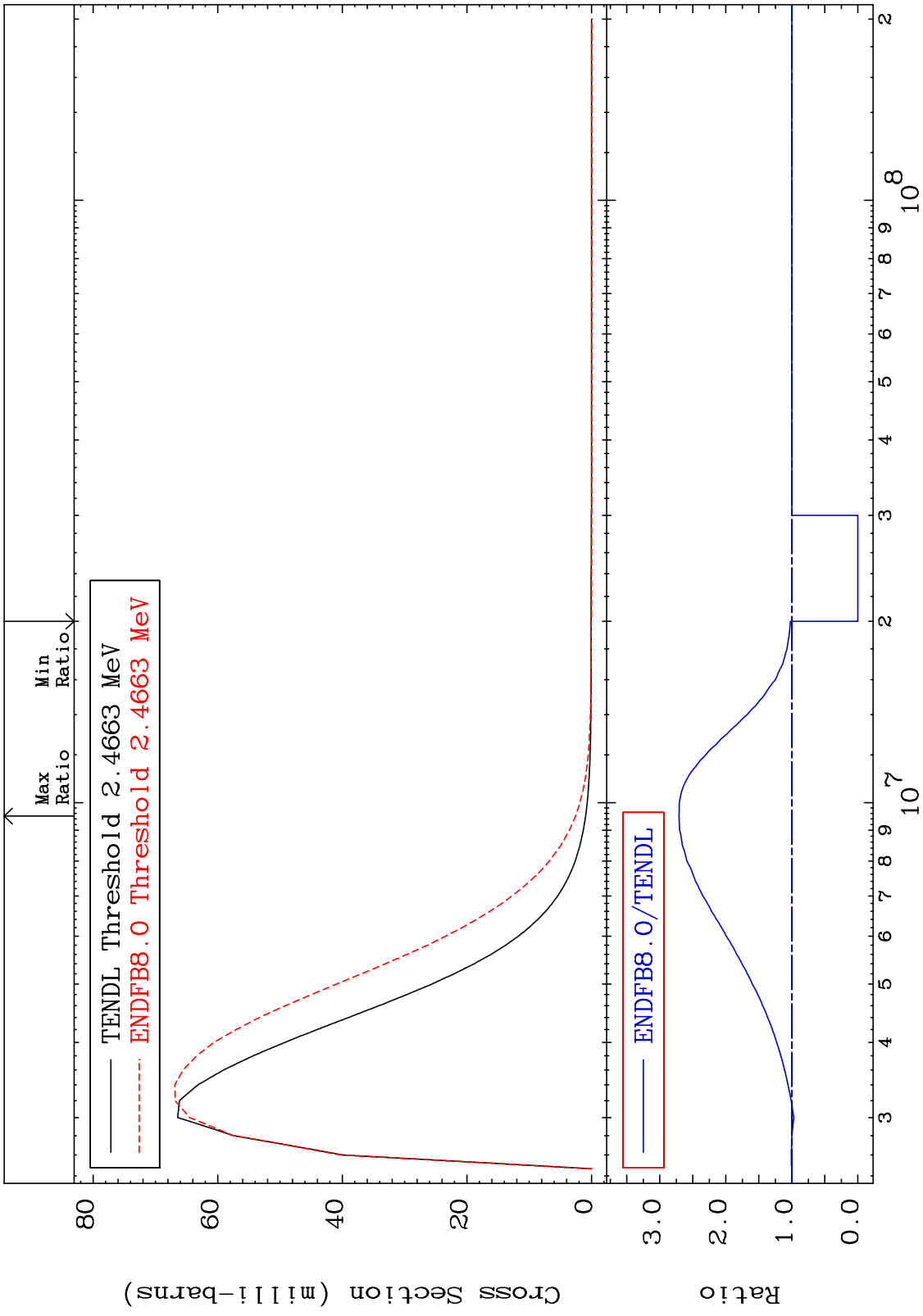
MAT 2034 MT= 64 (n,n') Level Cross Section -100.0 To 188.9 % 20-Ca-43



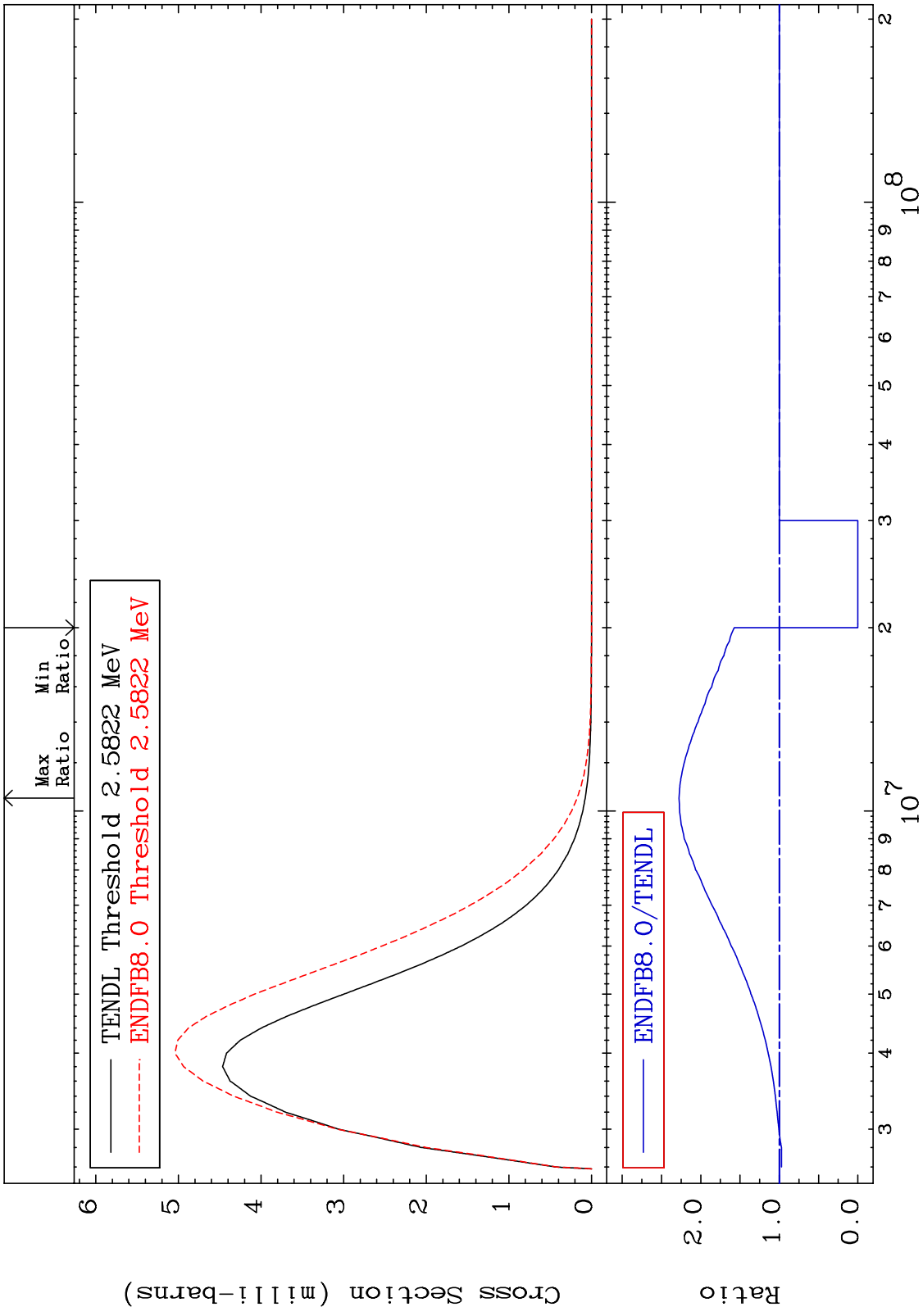
MAT 2034 MT= 65 (n,n') Level Cross Section -100.0 To 148.9 % 20-Ca-43



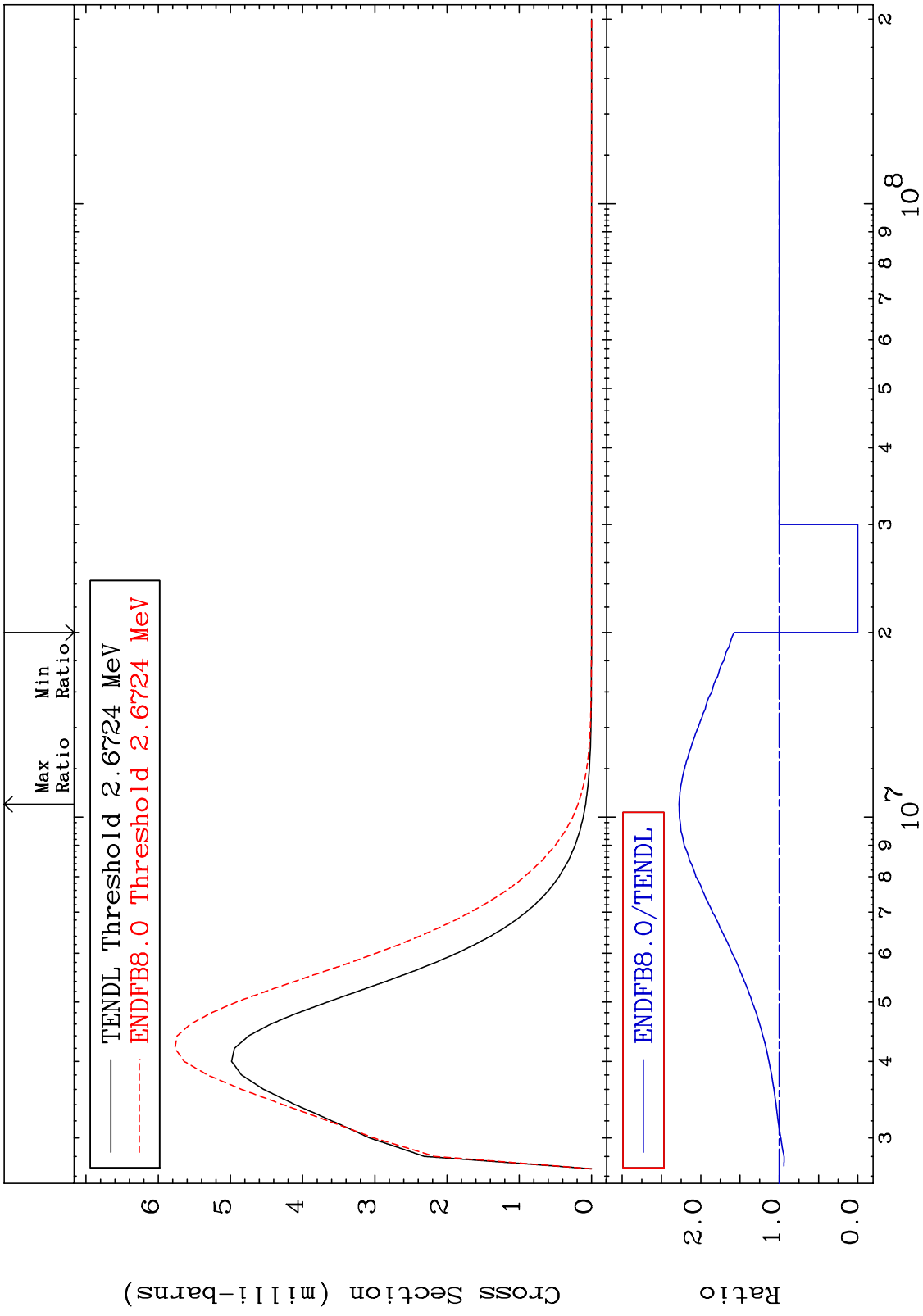
MAT 2034 MT= 66 (n,n') Level Cross Section -100.0 To 170.9 % 20-Ca-43



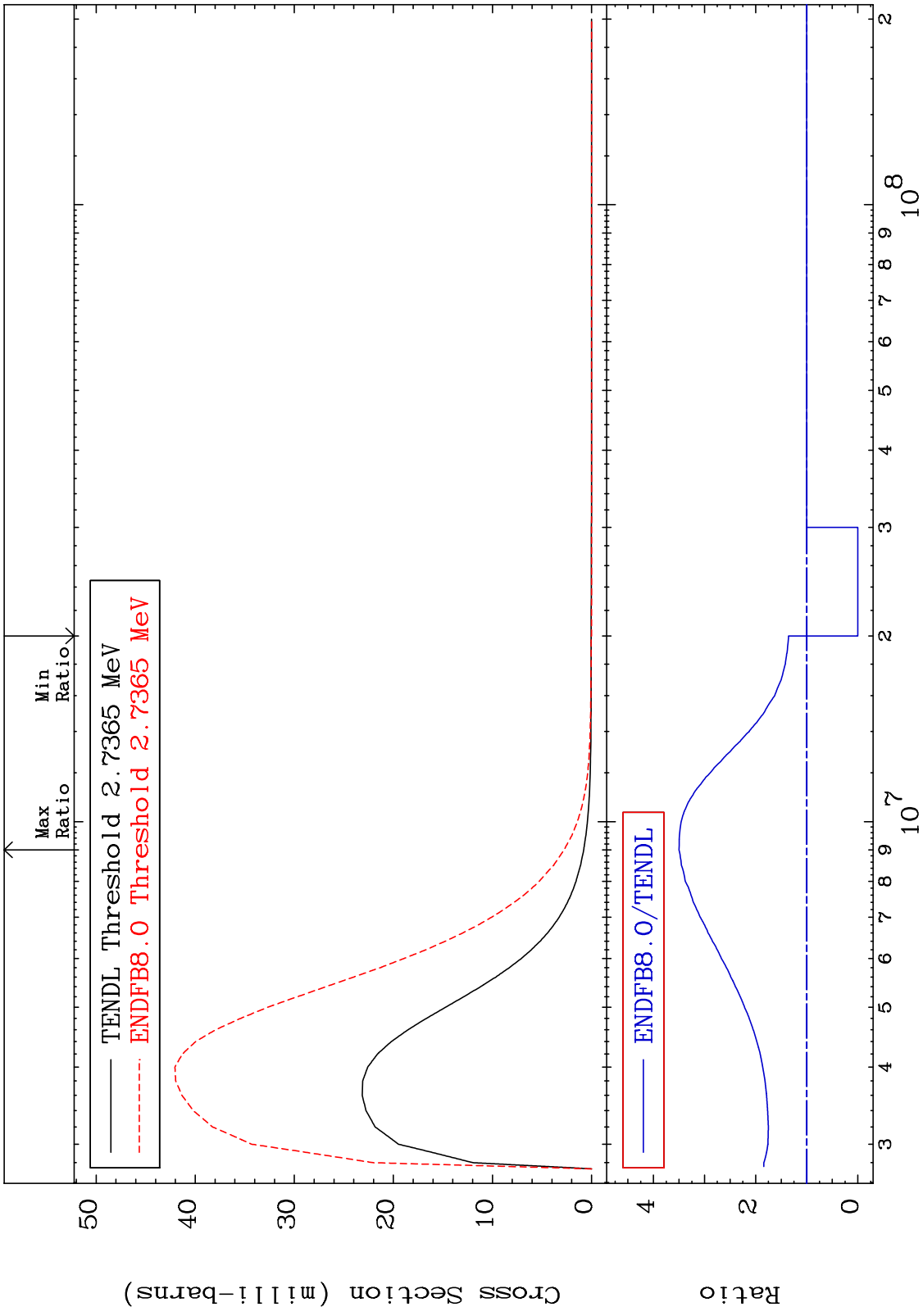
MAT 2034 MT= 67 (n,n') Level Cross Section -100.0 To 127.6 % 20-Ca-43



MAT 2034 MT= 68 (n,n') Level Cross Section -100.0 To 127.6 % 20-Ca-43

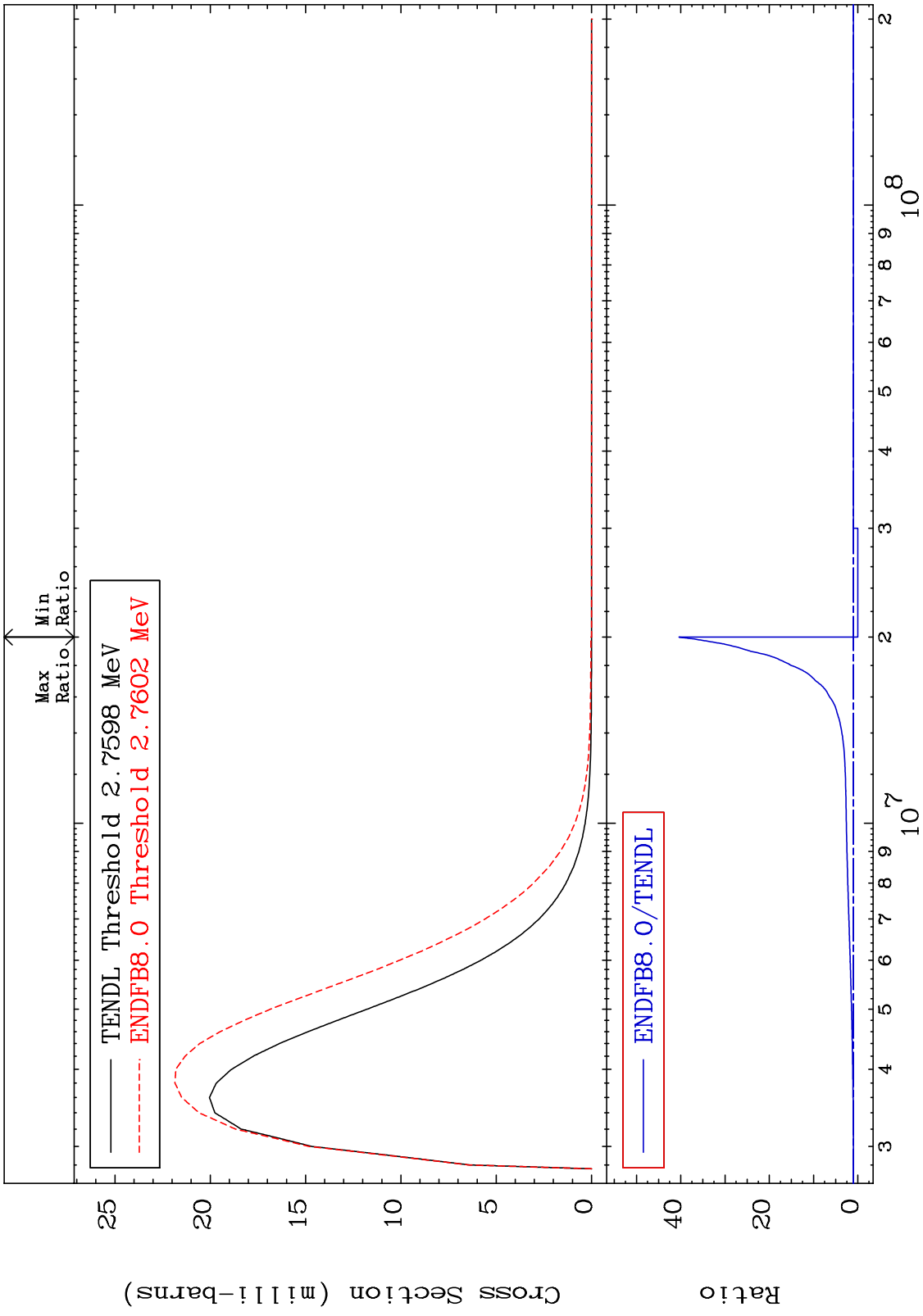


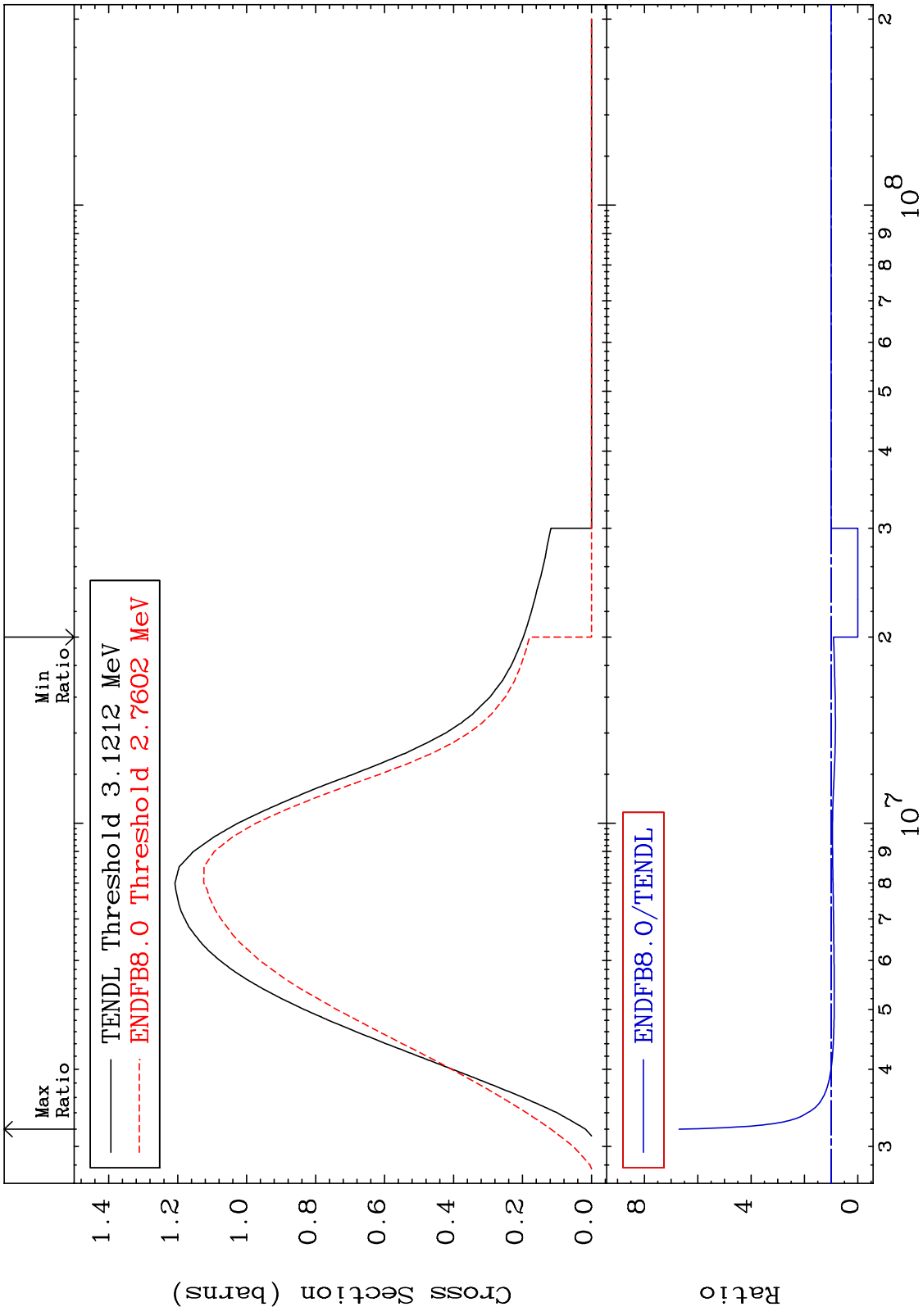
MAT 2034 MT= 69 (n,n') Level Cross Section -100.0 To 249.9 % 20-Ca-43



30 Incident Energy (eV) 20-Ca-43

MAT 2034 MT= 70 (n,n') Level Cross Section -100.0 To 3939. % 20-Ca-43





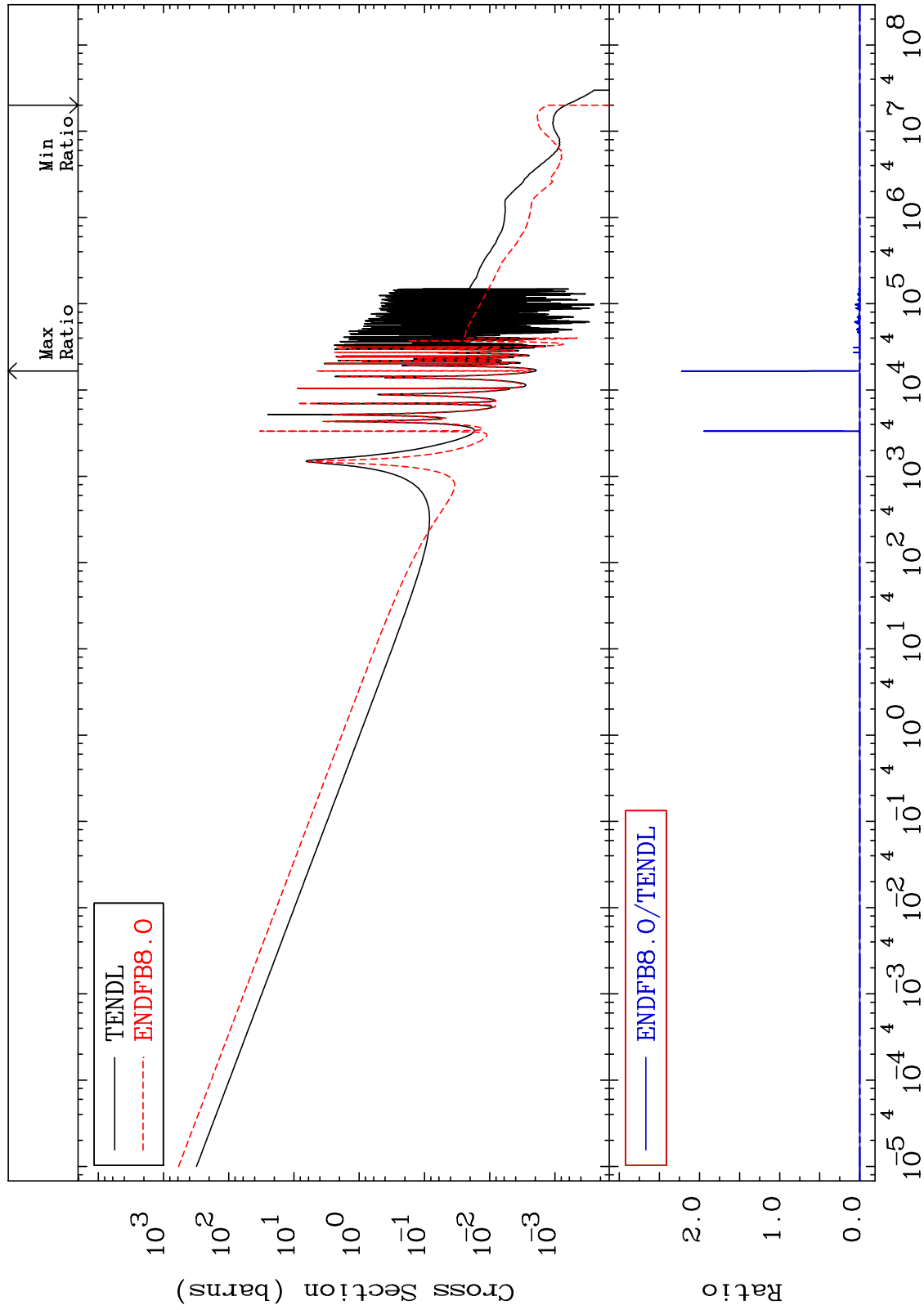
MAT 2034

(n, γ)

20-Ca-43

Cross Section

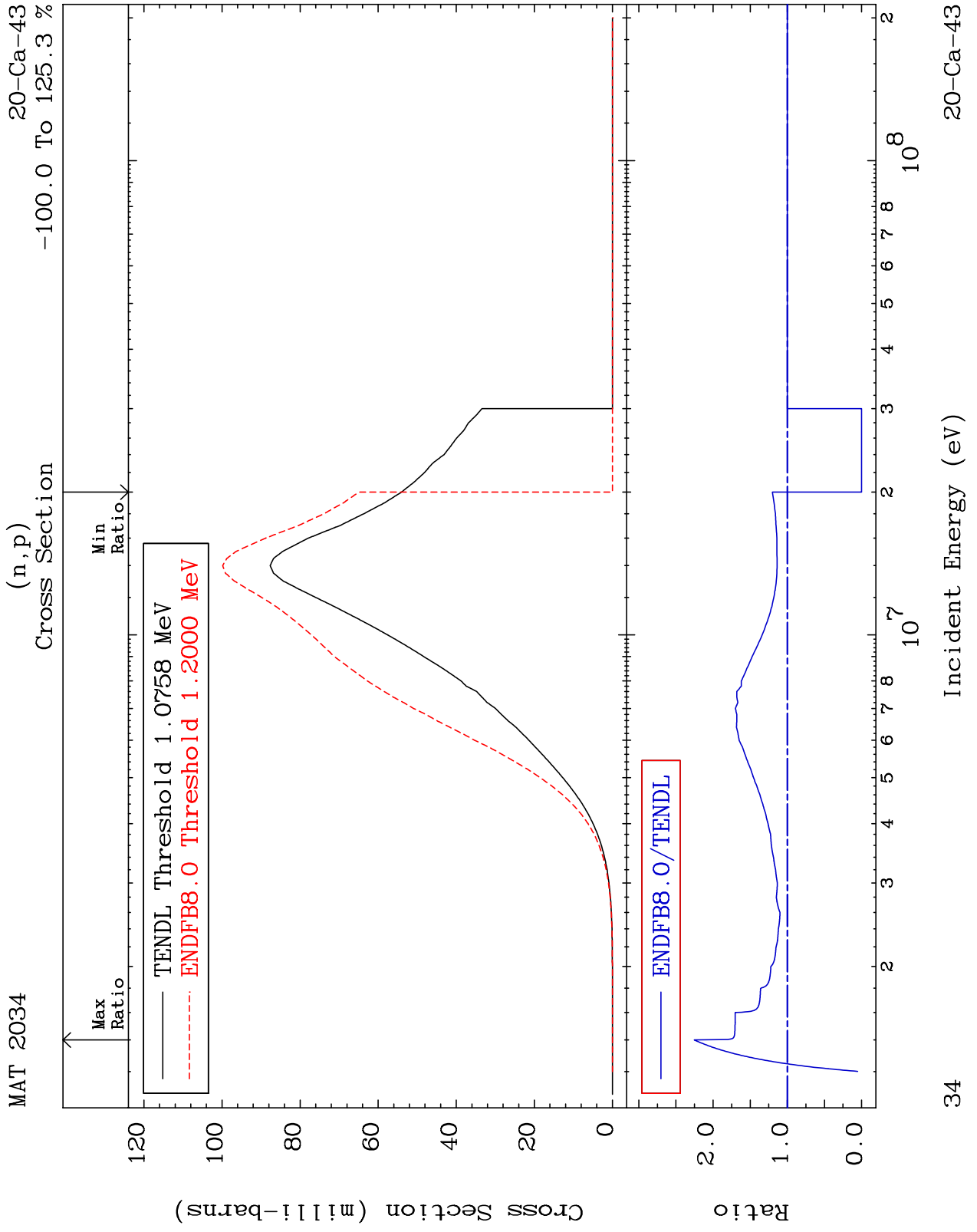
-100.0 To 9999. %



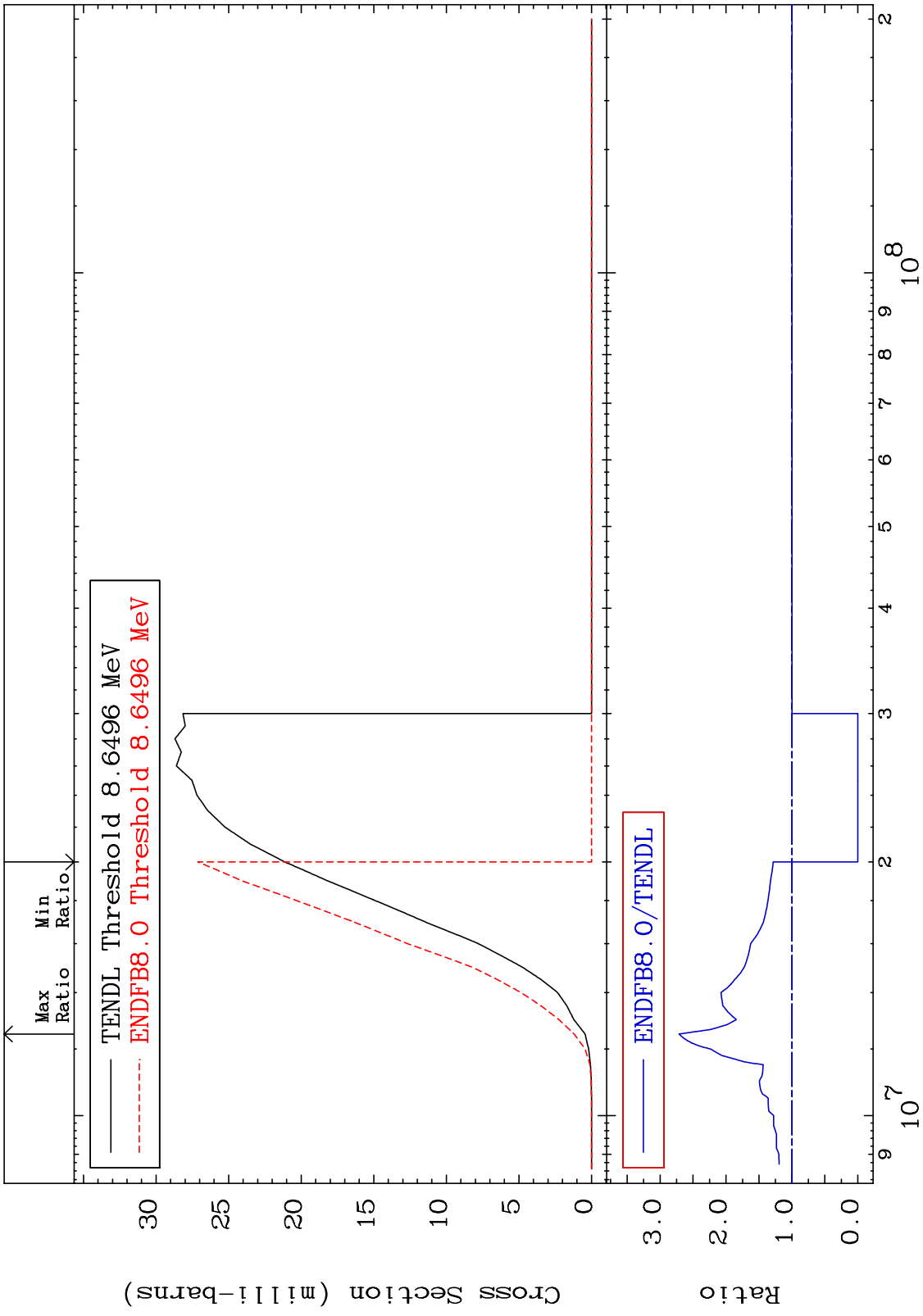
33

Incident Energy (eV)

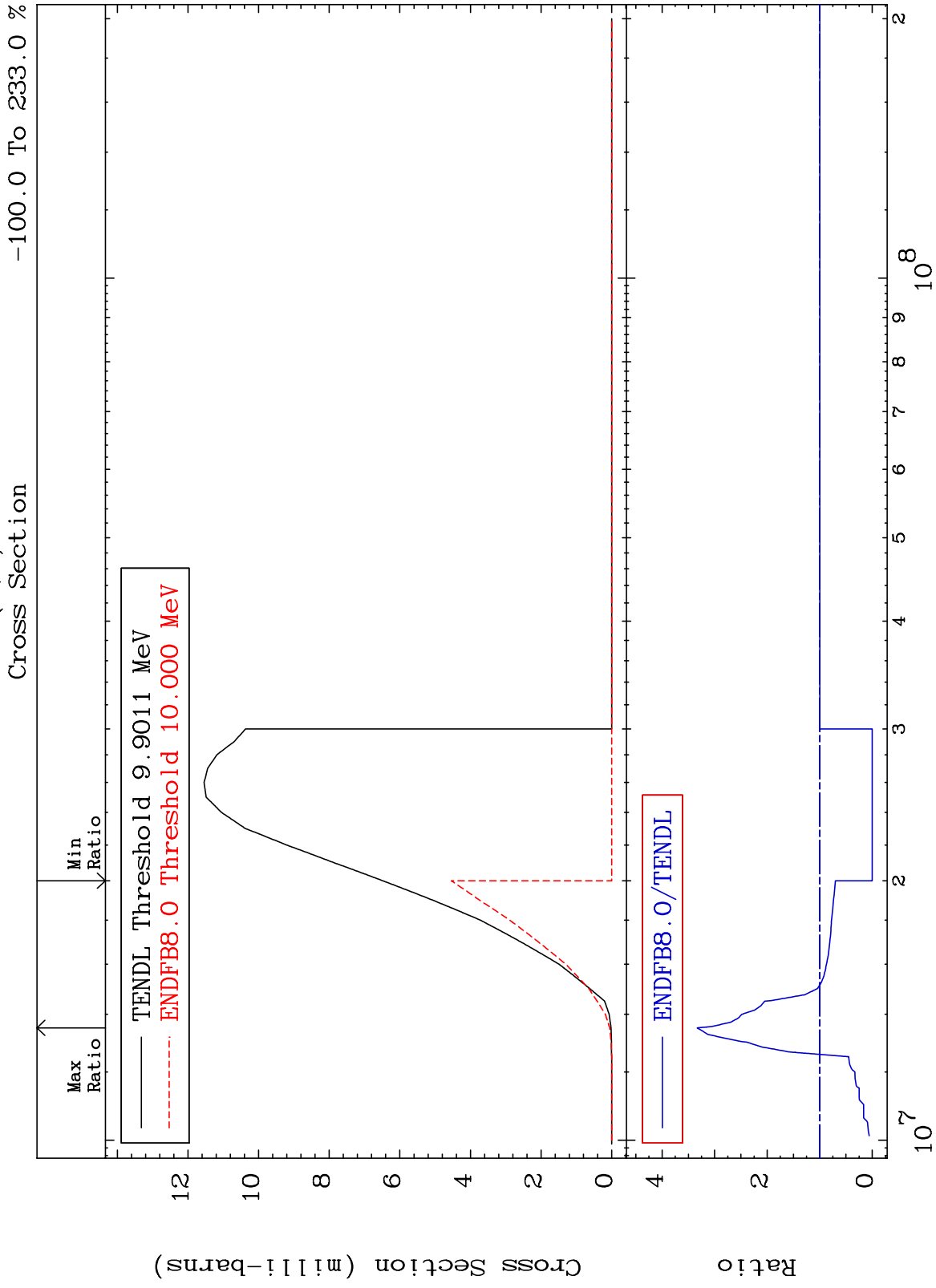
20-Ca-43



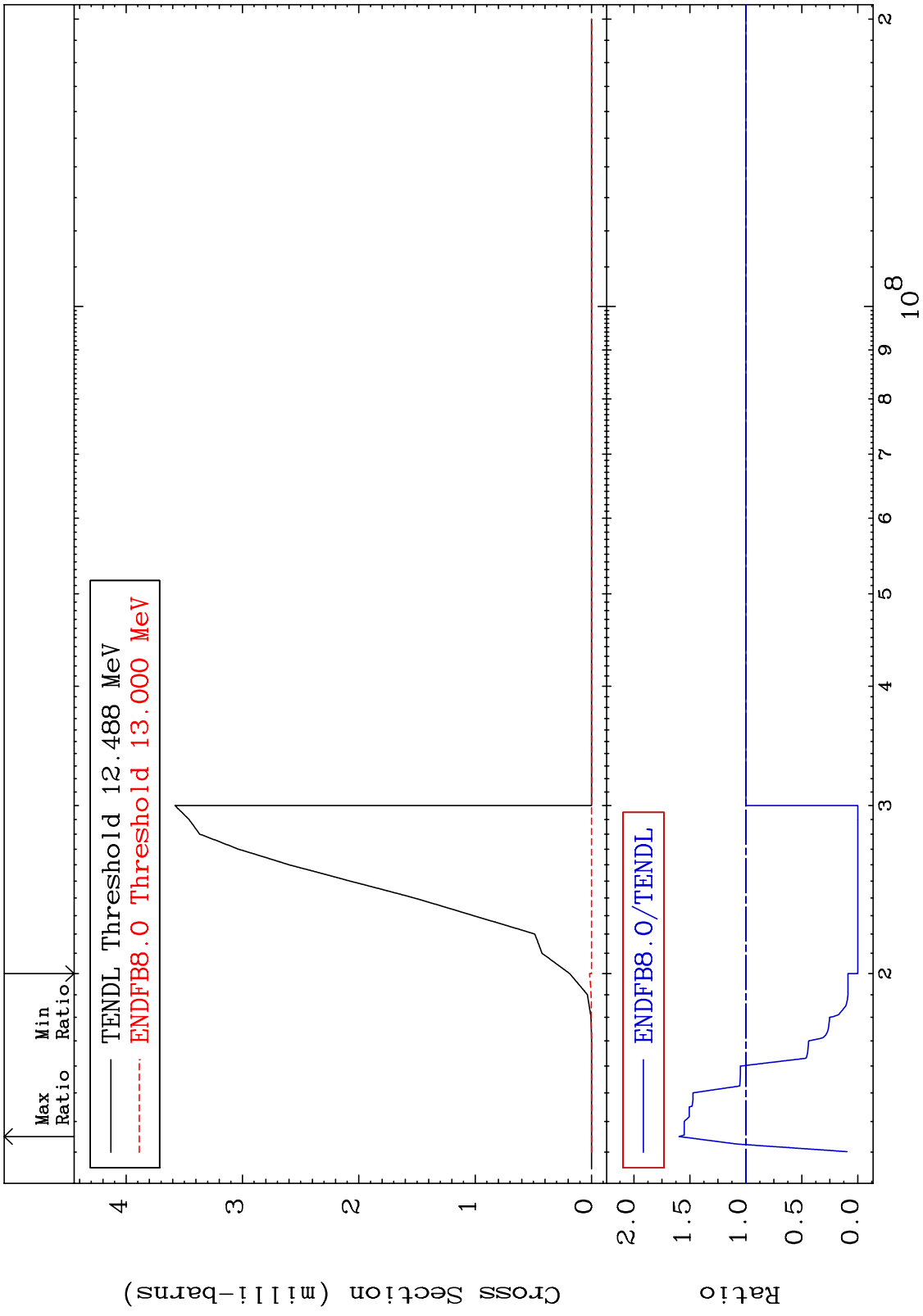
MAT 2034 (n,d) 20-Ca-43
 Cross Section -100.0 To 171.2 %



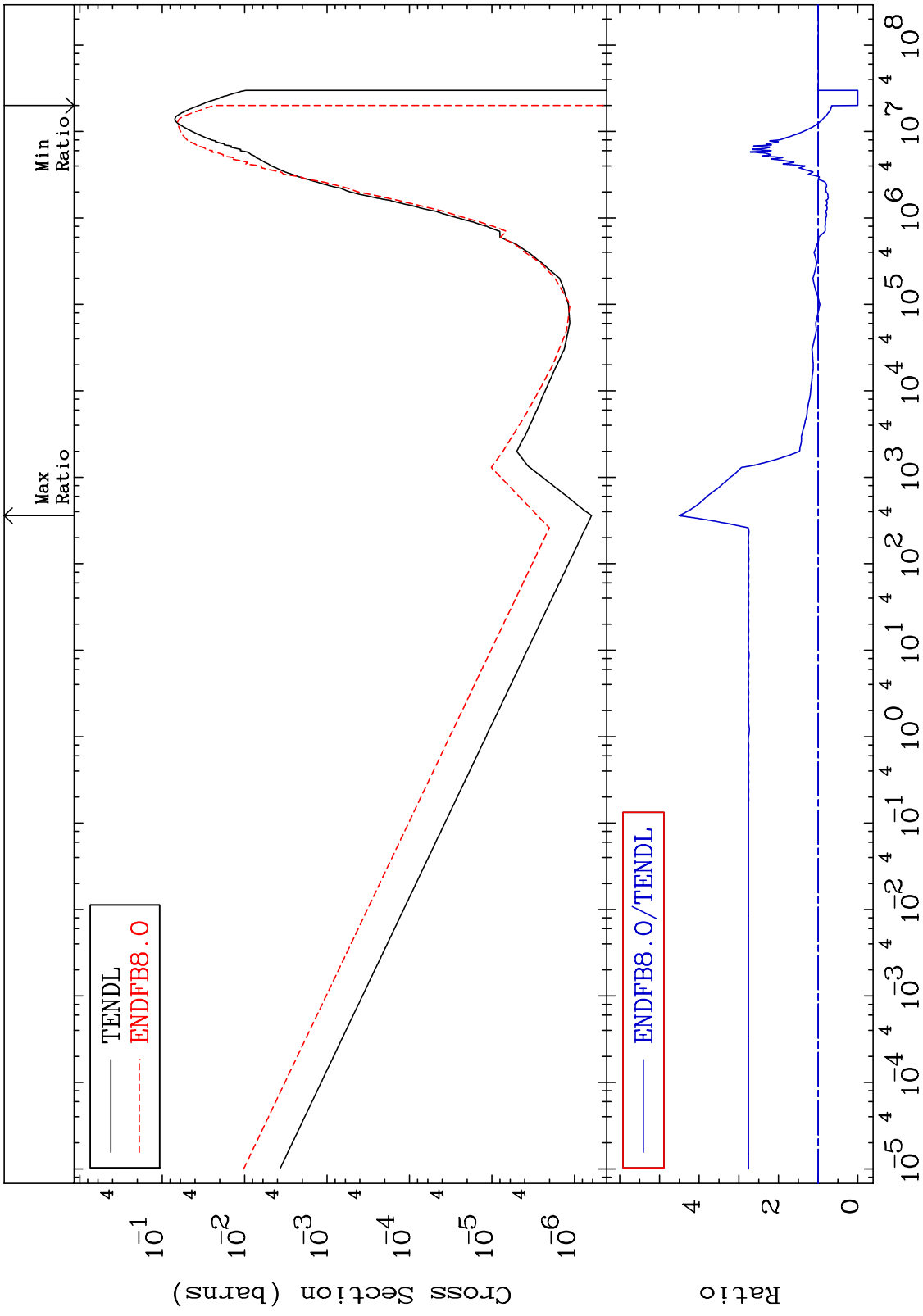
MAT 2034 (n,t) 20-Ca-43 -100.0 To 233.0 %



36 20-Ca-43

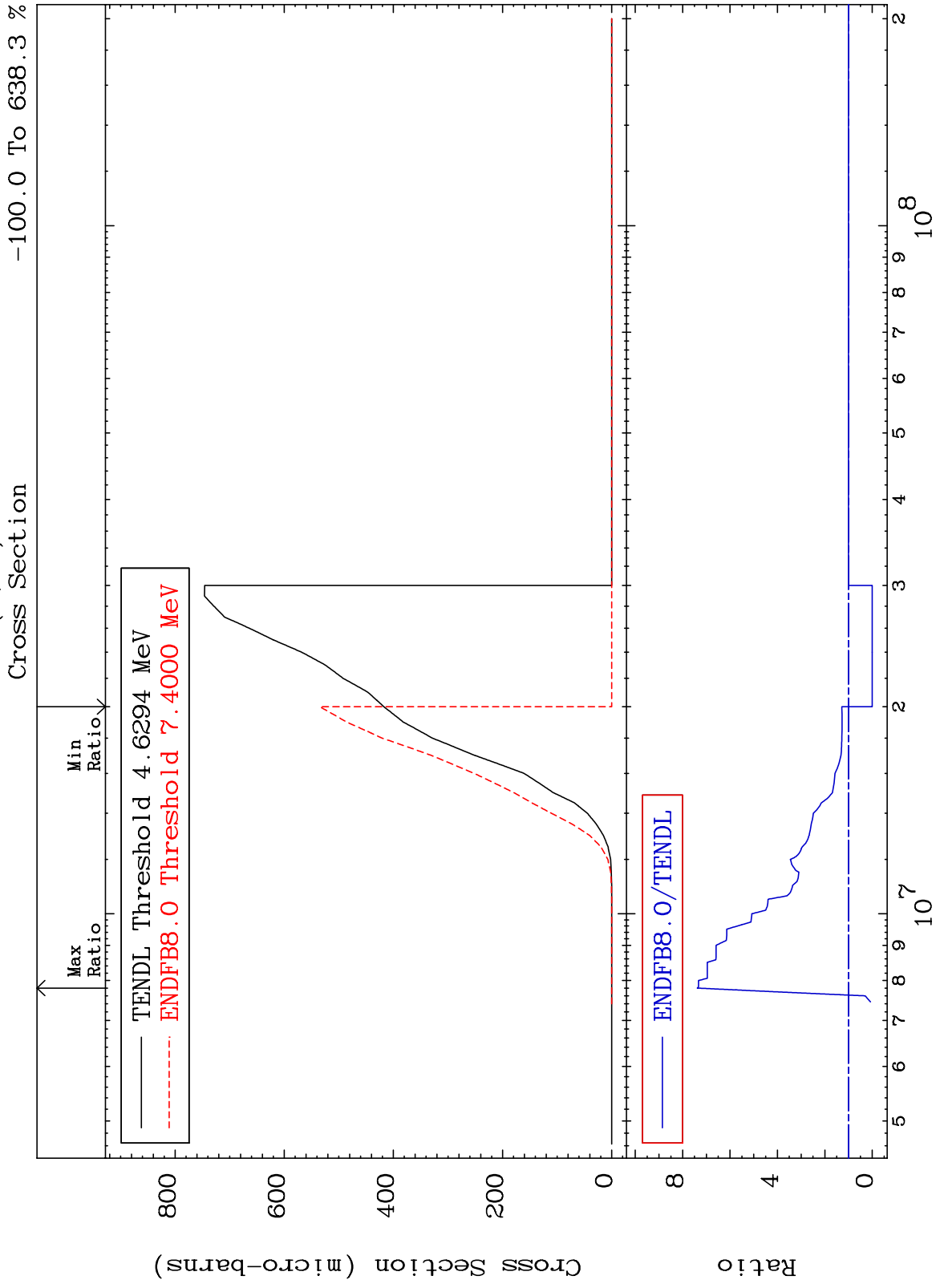


MAT 2034 (n, α) 20-Ca-43
Cross Section -100.0 To 350.7 %

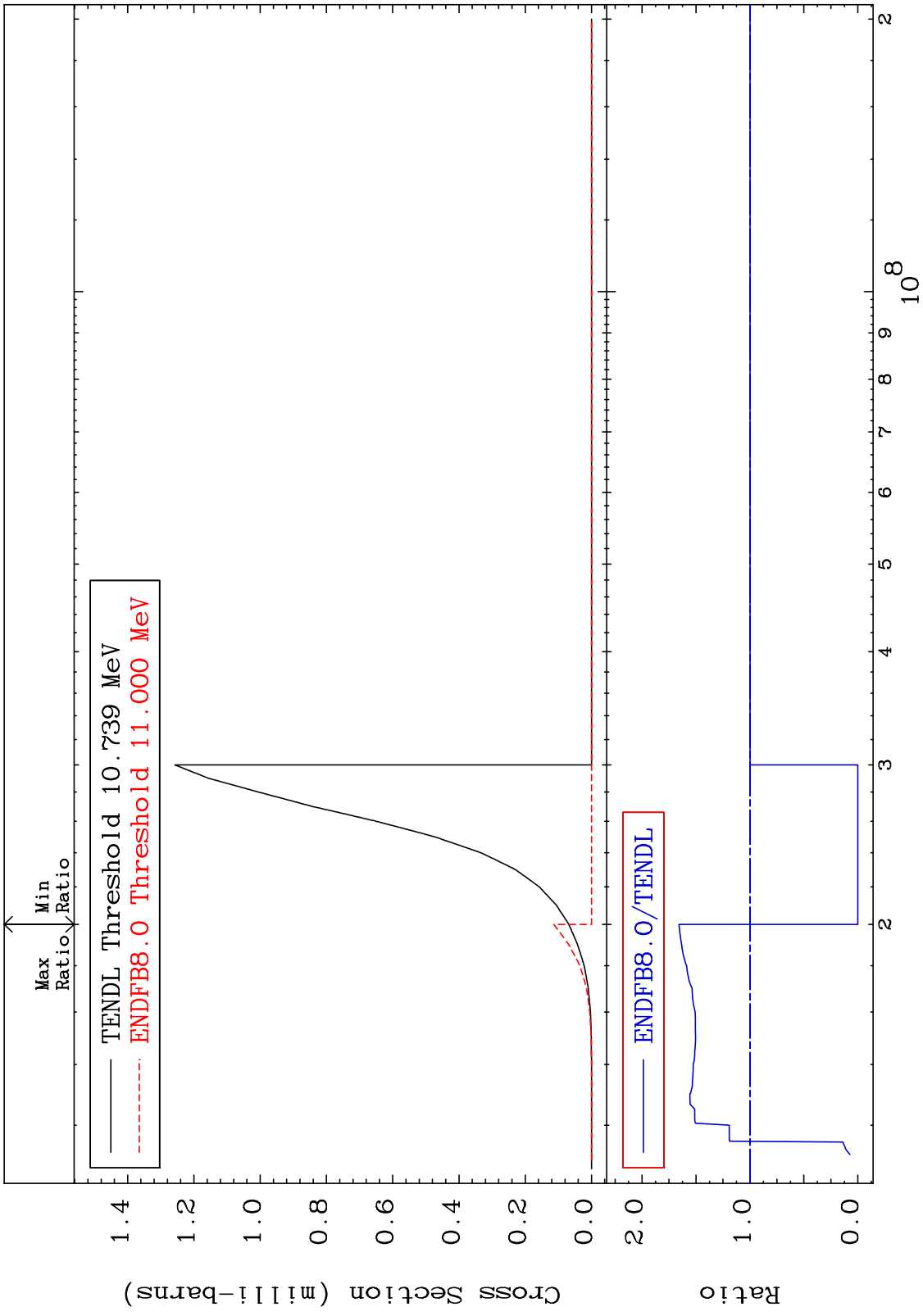


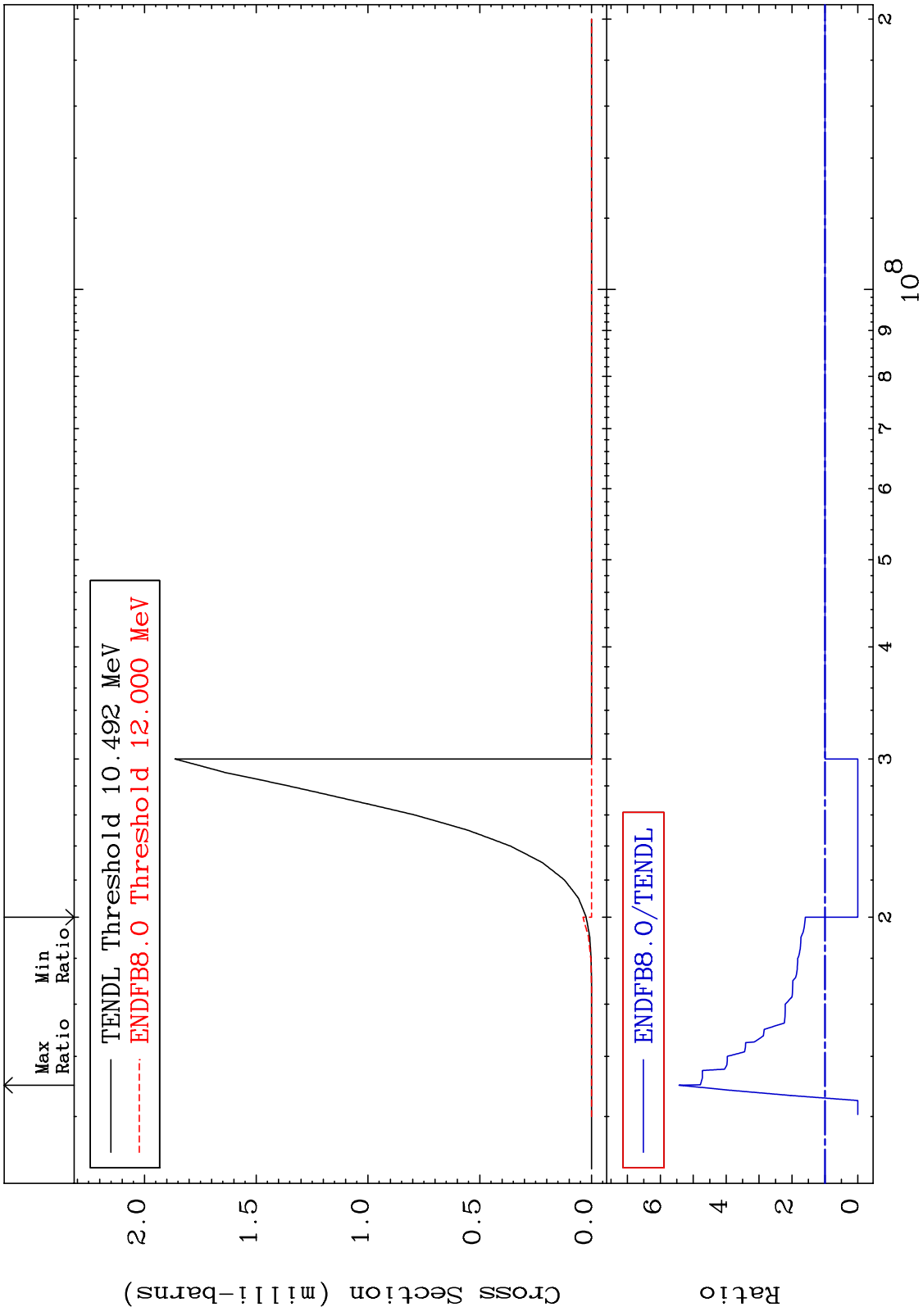
38 Incident Energy (eV) 20-Ca-43

MAT 2034 (n,2α) 20-Ca-43 -100.0 To 638.3 %



MAT 2034 (n,2p) Cross Section 20-Ca-43
 -100.0 To 65.71 %

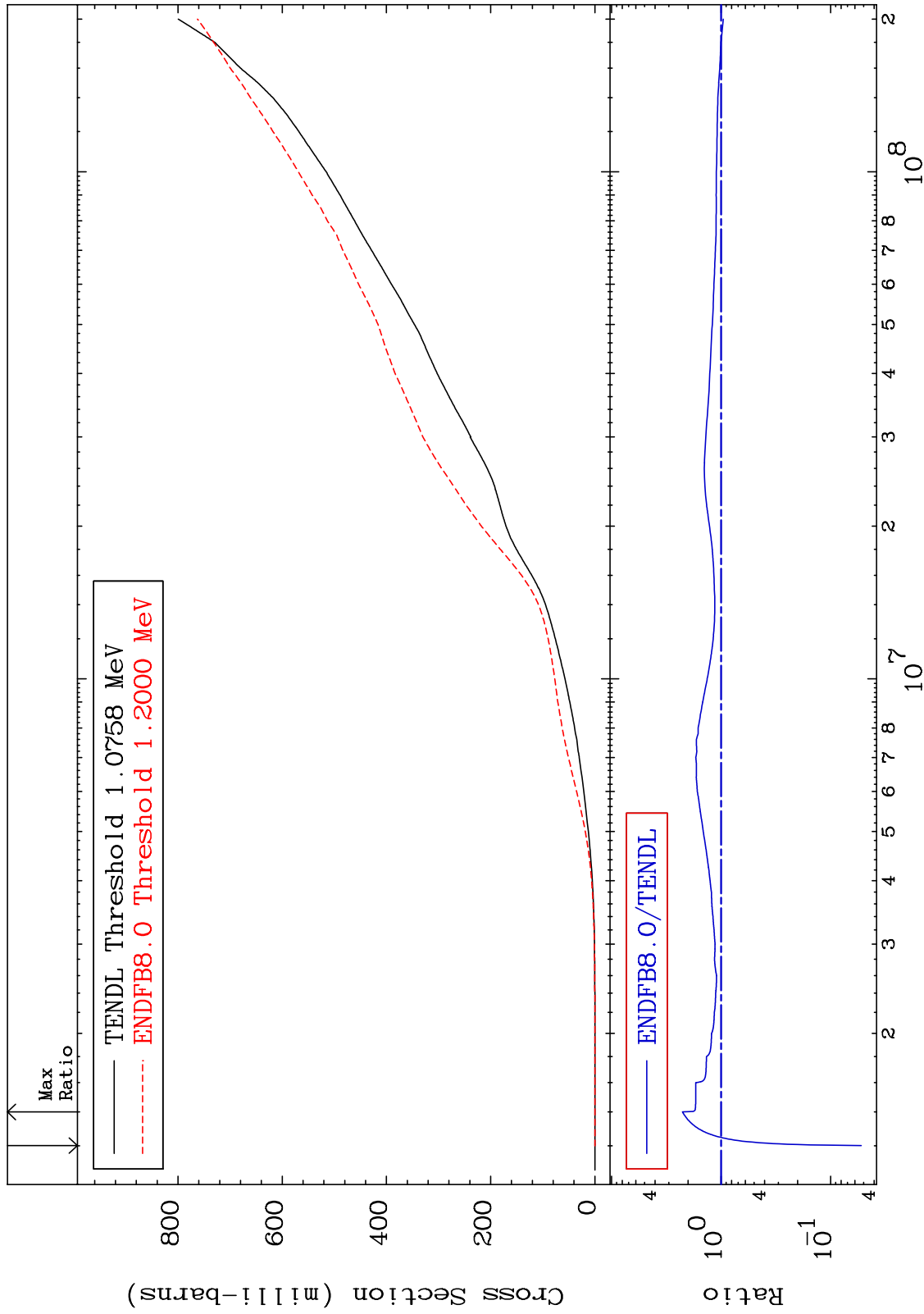




MAT 2034

Hydrogen Production
Cross Section

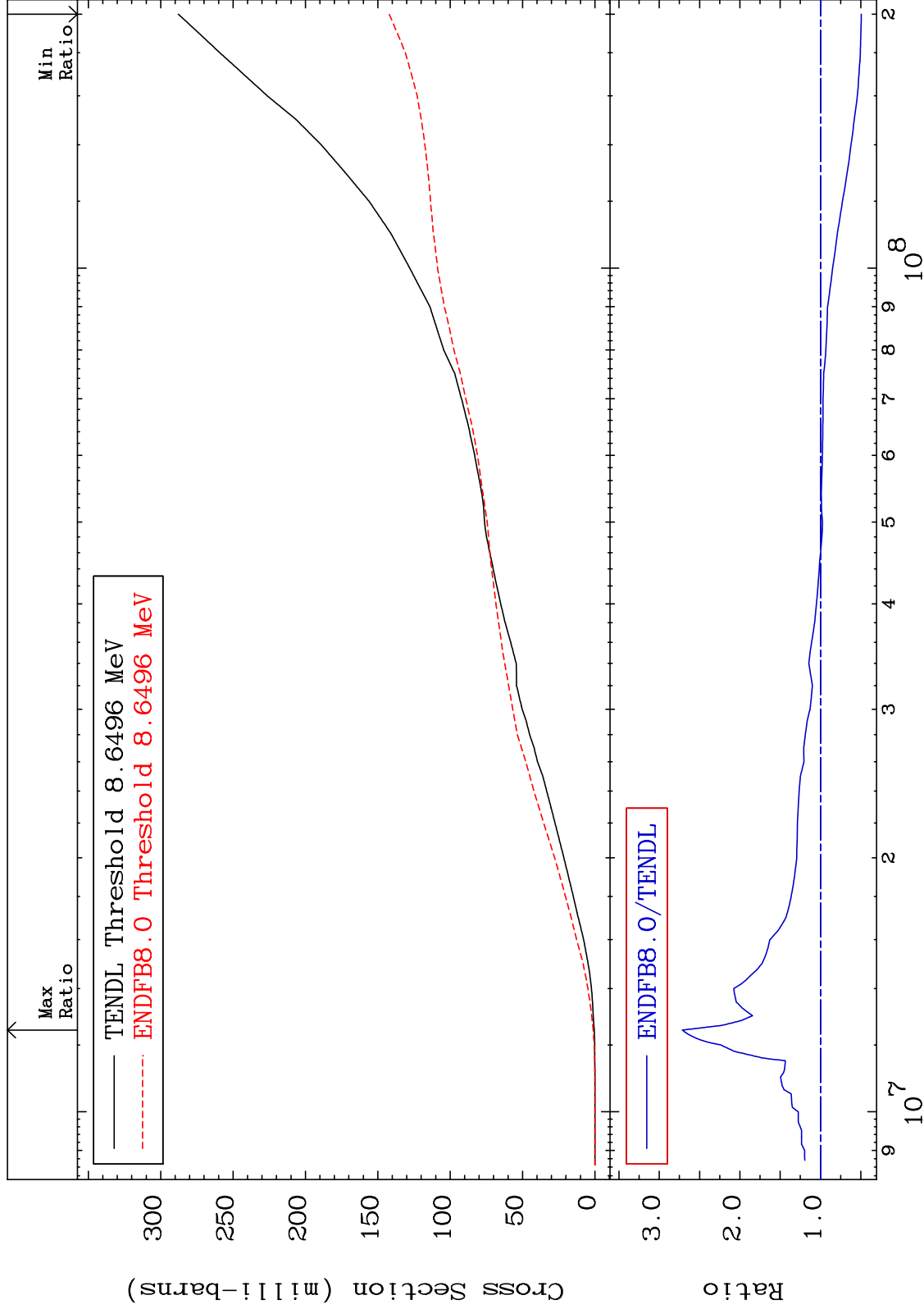
20-Ca-43
-94.76 To 125.3 %



MAT 2034

Deuterium Production Cross Section

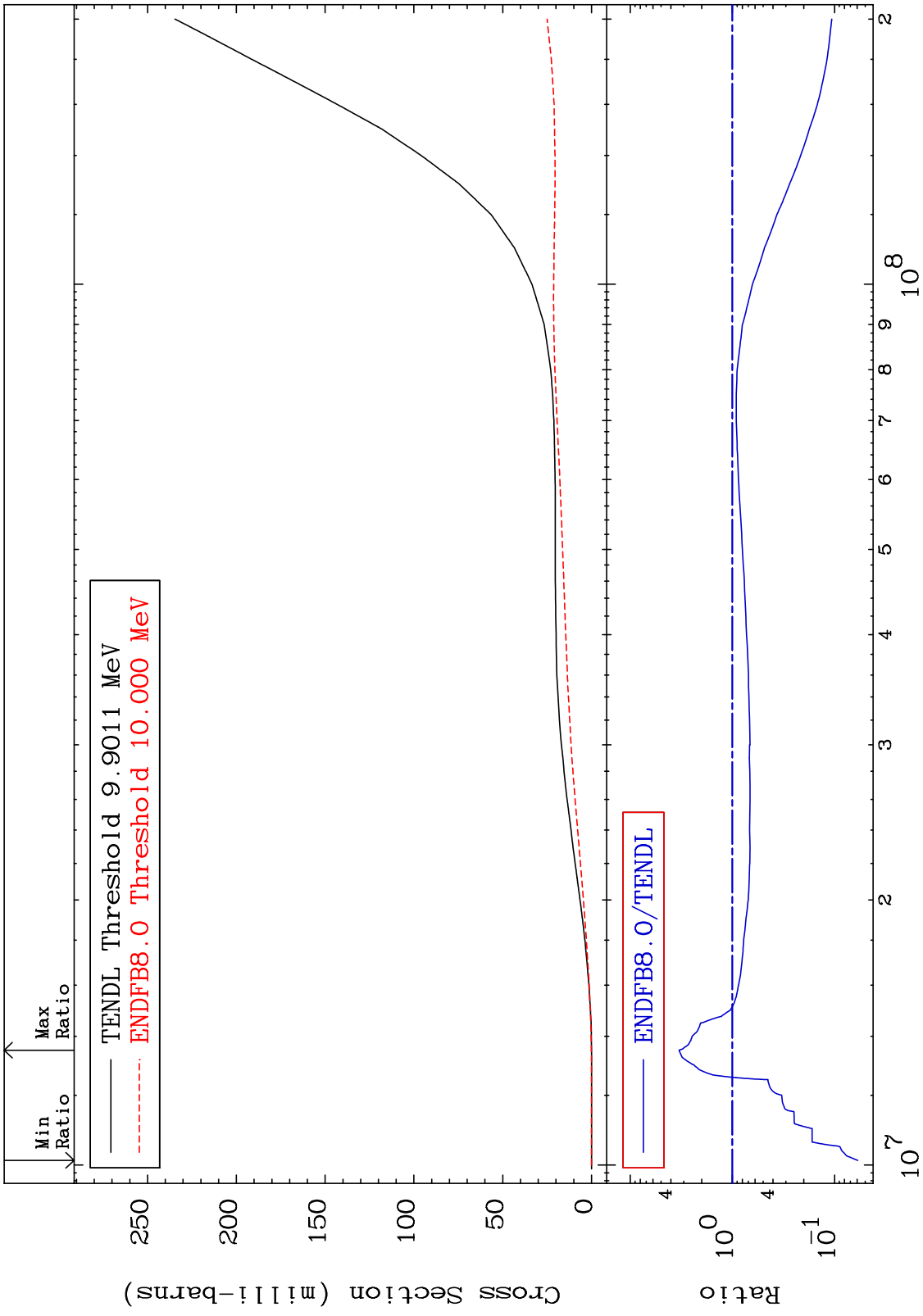
20-Ca-43
-50.62 To 171.2 %



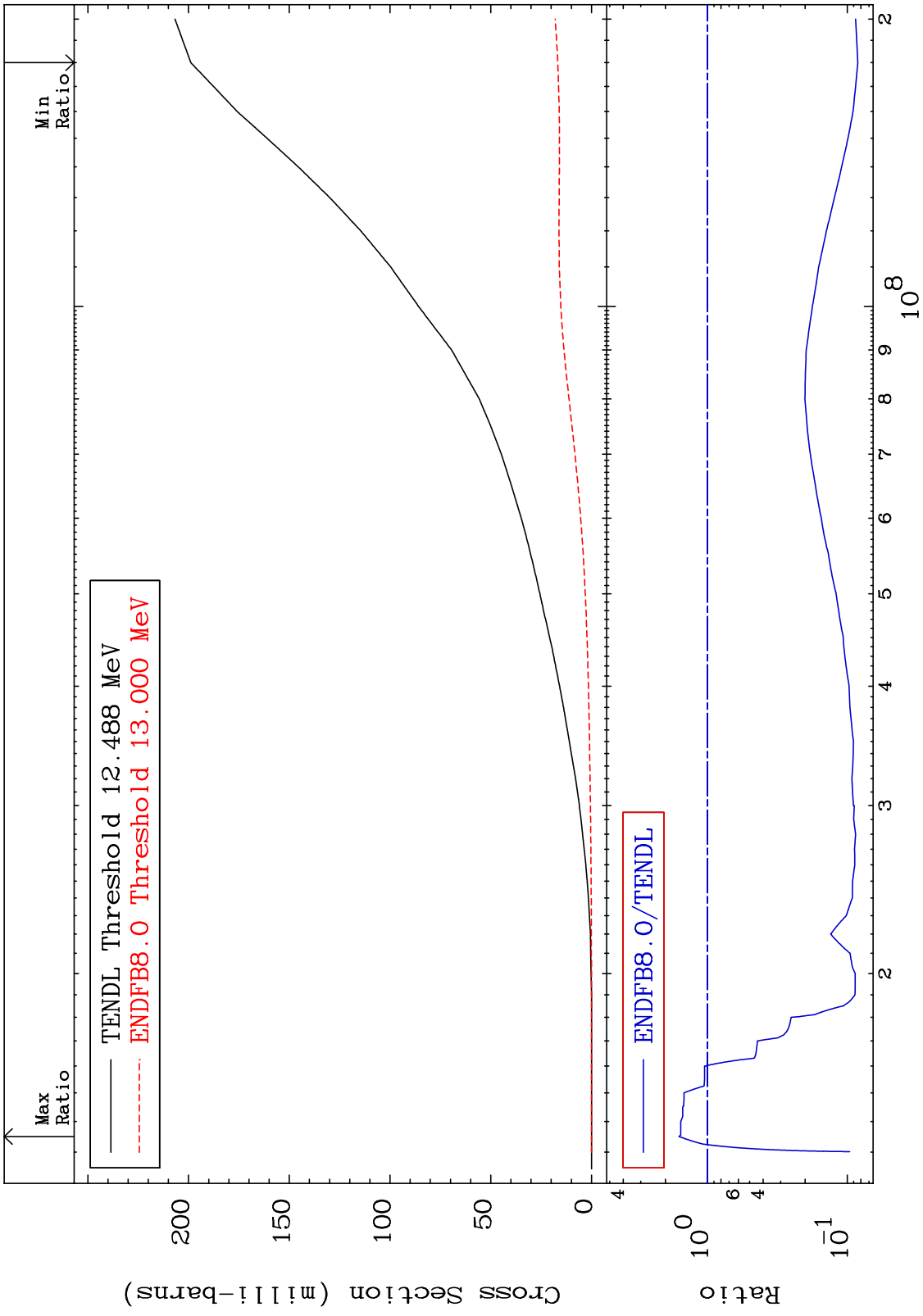
43

Incident Energy (eV)

20-Ca-43



MAT 2034 He-3 Production Cross Section 20-Ca-43
 -91.60 To 59.72 %

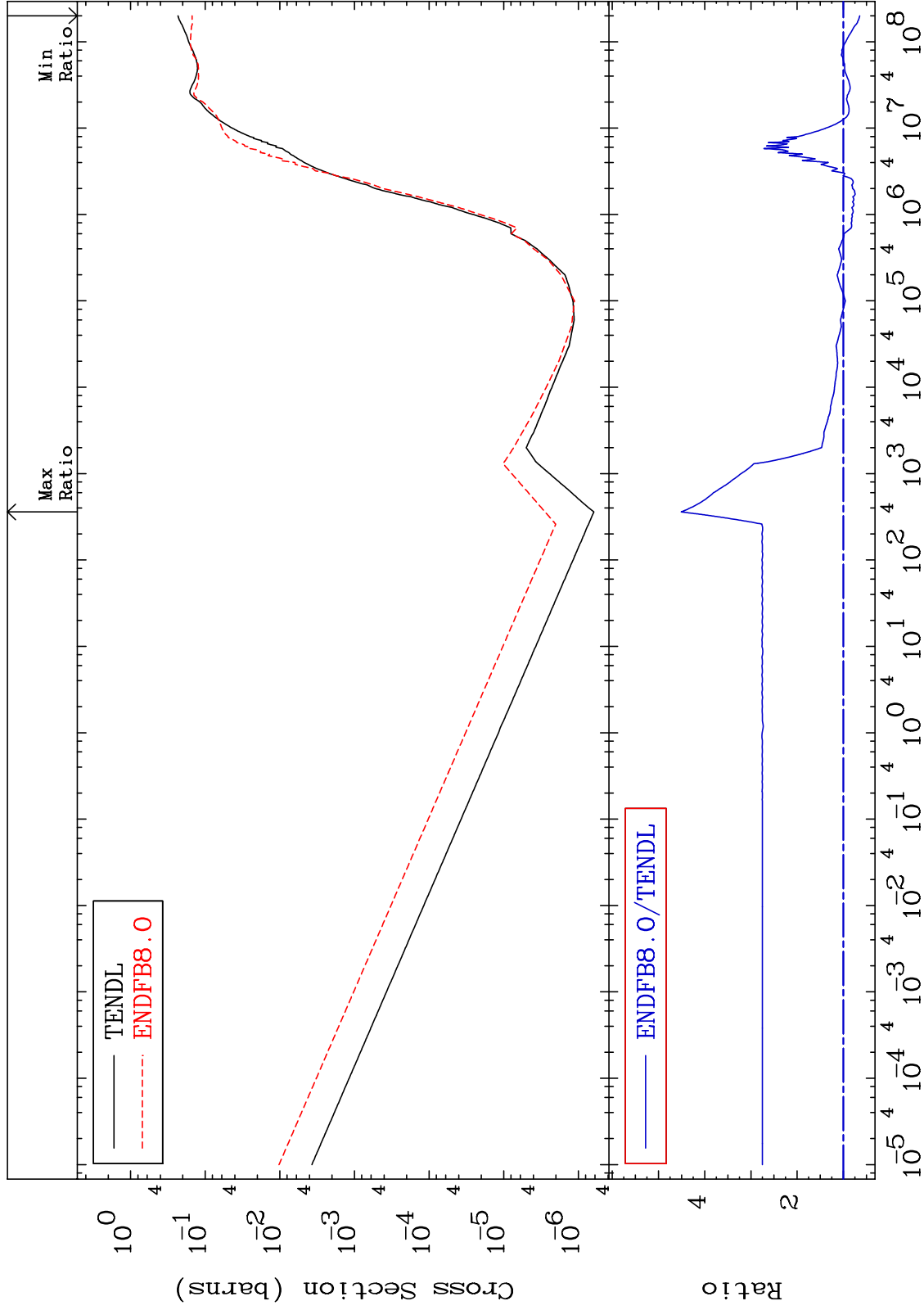


45 20-Ca-43

MAT 2034

He-4 Production
Cross Section

20-Ca-43
-35.46 To 350.7 %

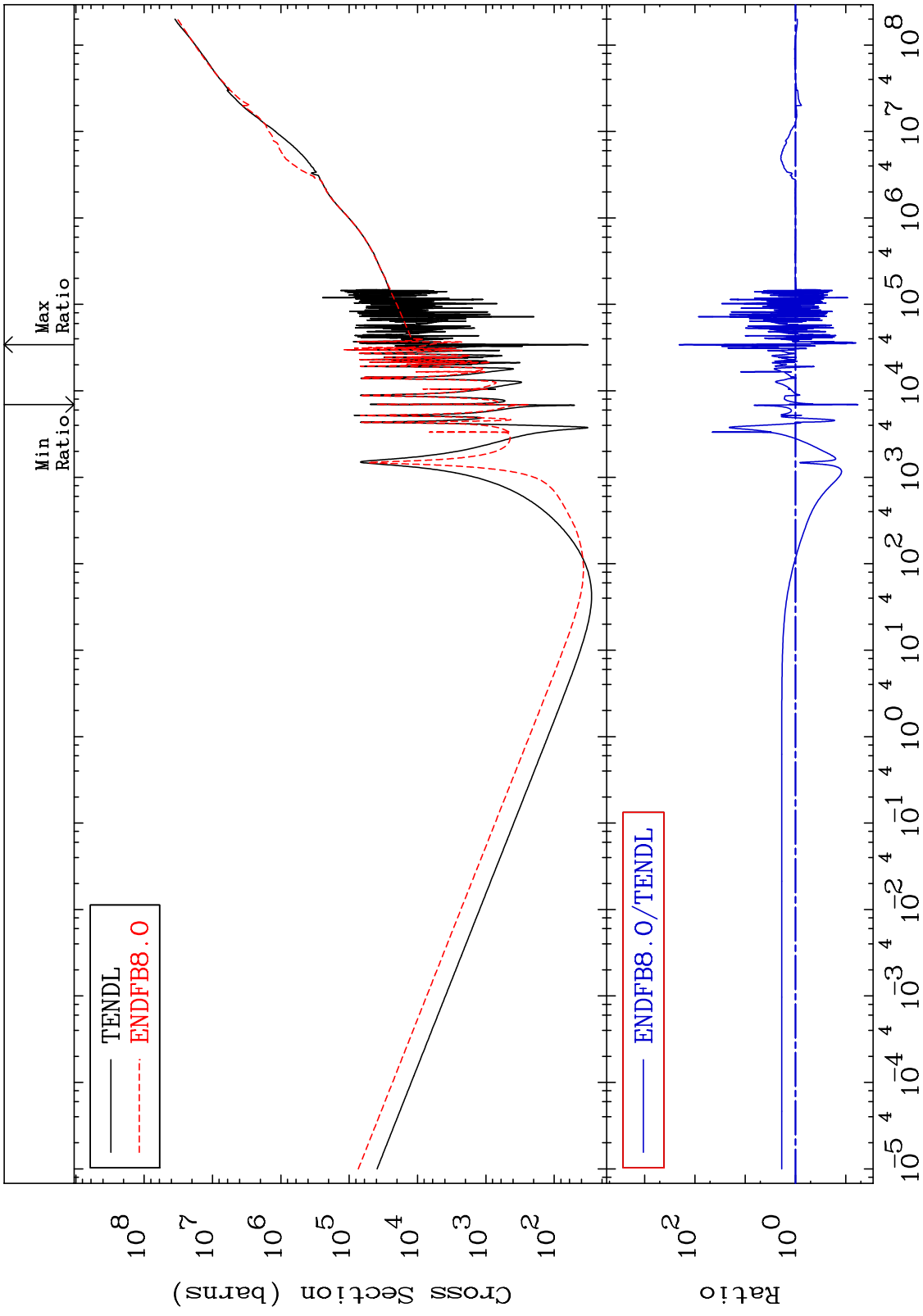


46

Incident Energy (eV)

20-Ca-43

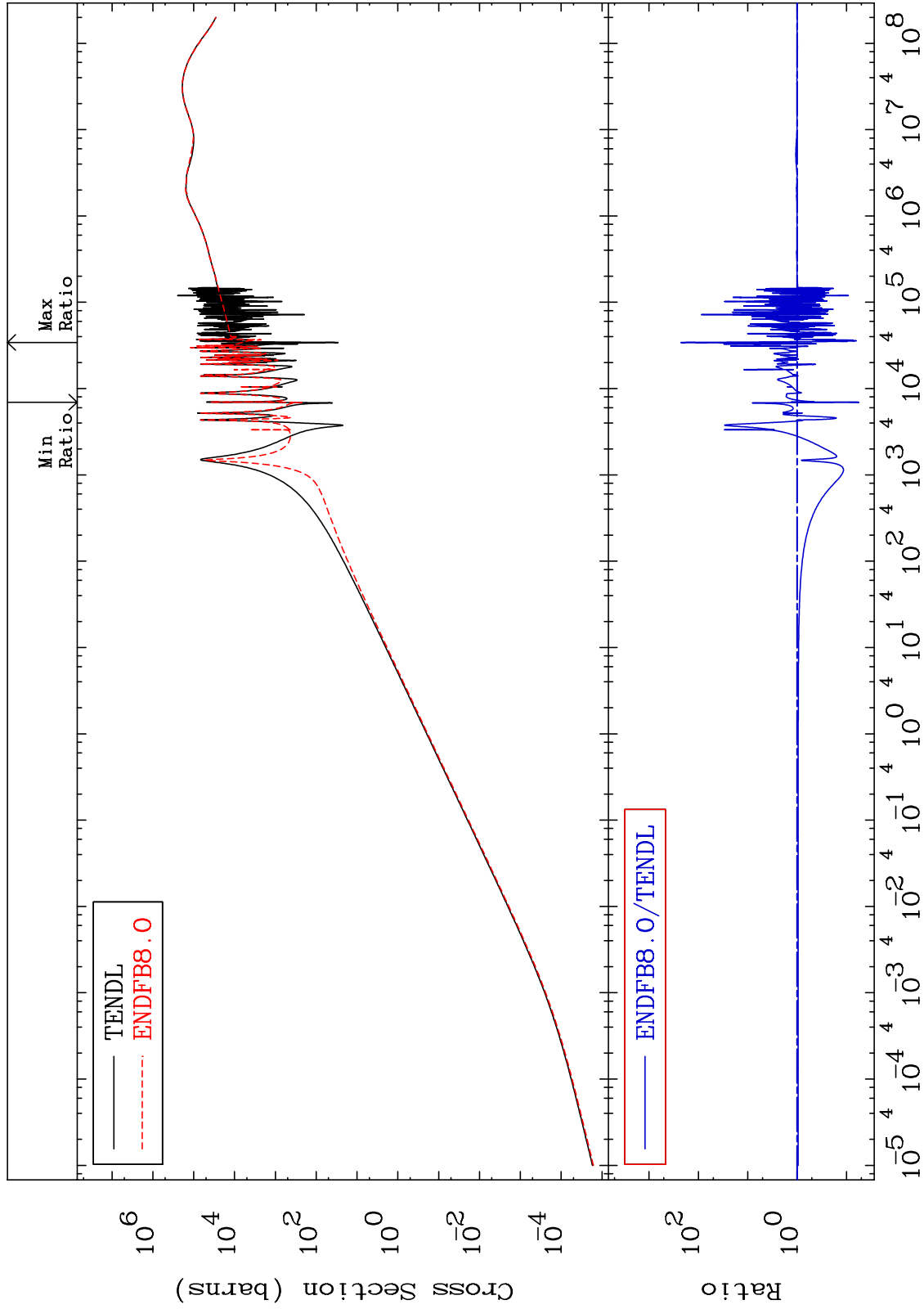
MAT 2034 Kerma total (eV-barns) Cross Section 20-Ca-43 -94.27 To 9999. %



MAT 2034

Kerma elastic
Cross Section

20-Ca-43
-94.44 To 9999. %



48

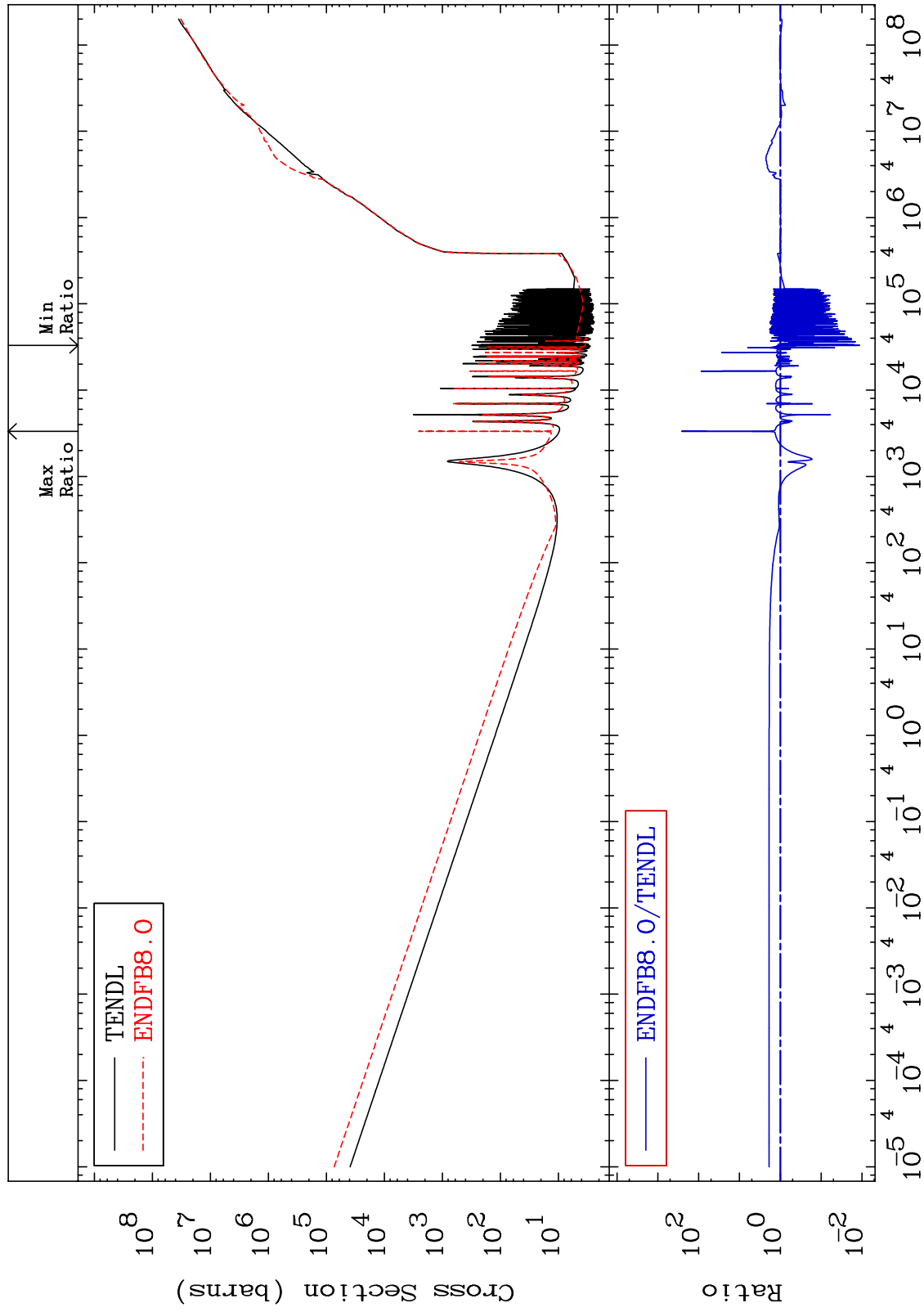
Incident Energy (eV)

20-Ca-43

MAT 2034

Kerma non-elastic (all but mt2)
Cross Section

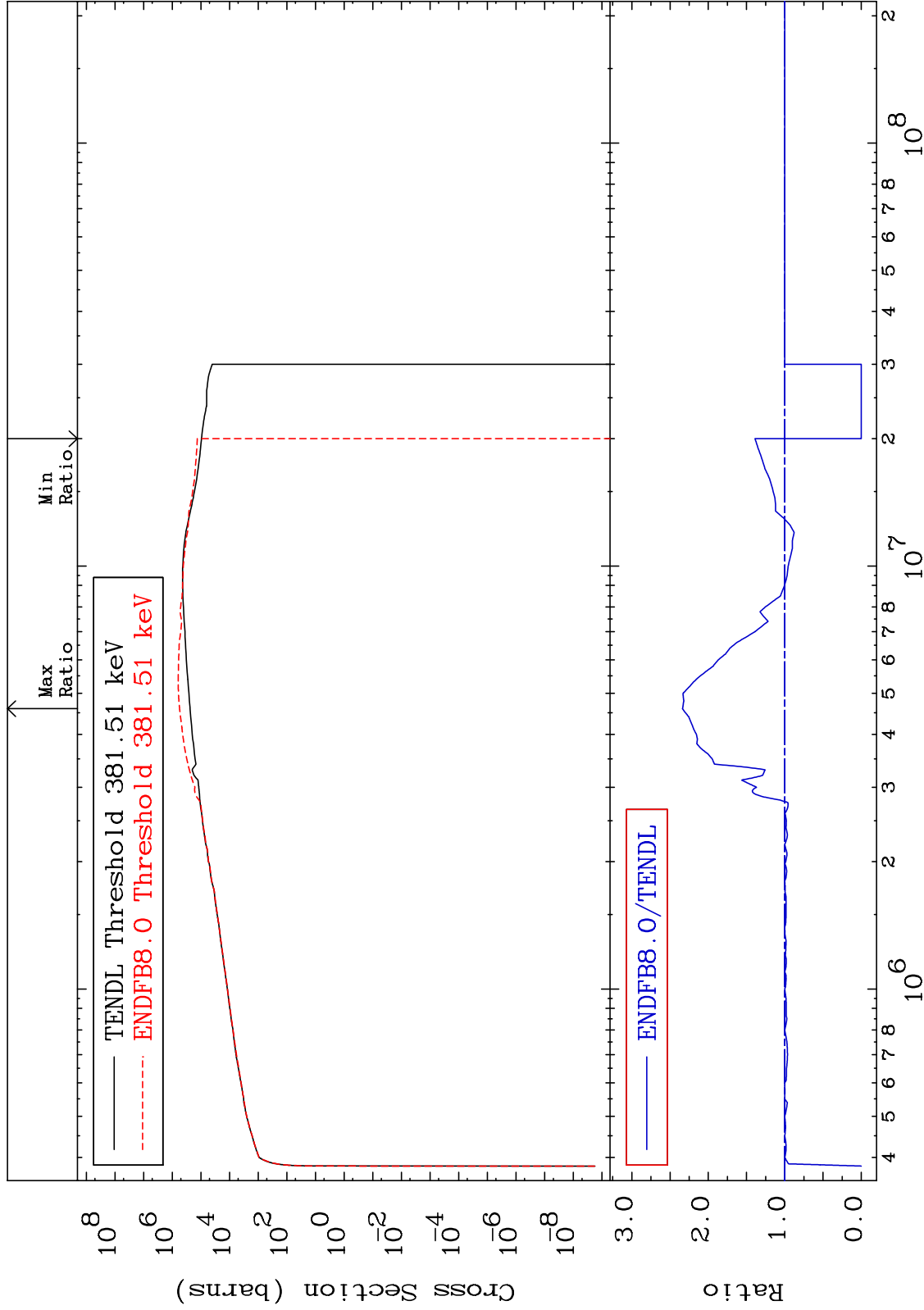
20-Ca-43
-98.87 To 9999. %



MAT 2034

Kerma inelastic (mt51-91)
Cross Section

20-Ca-43
-100.0 To 133.8 %



50

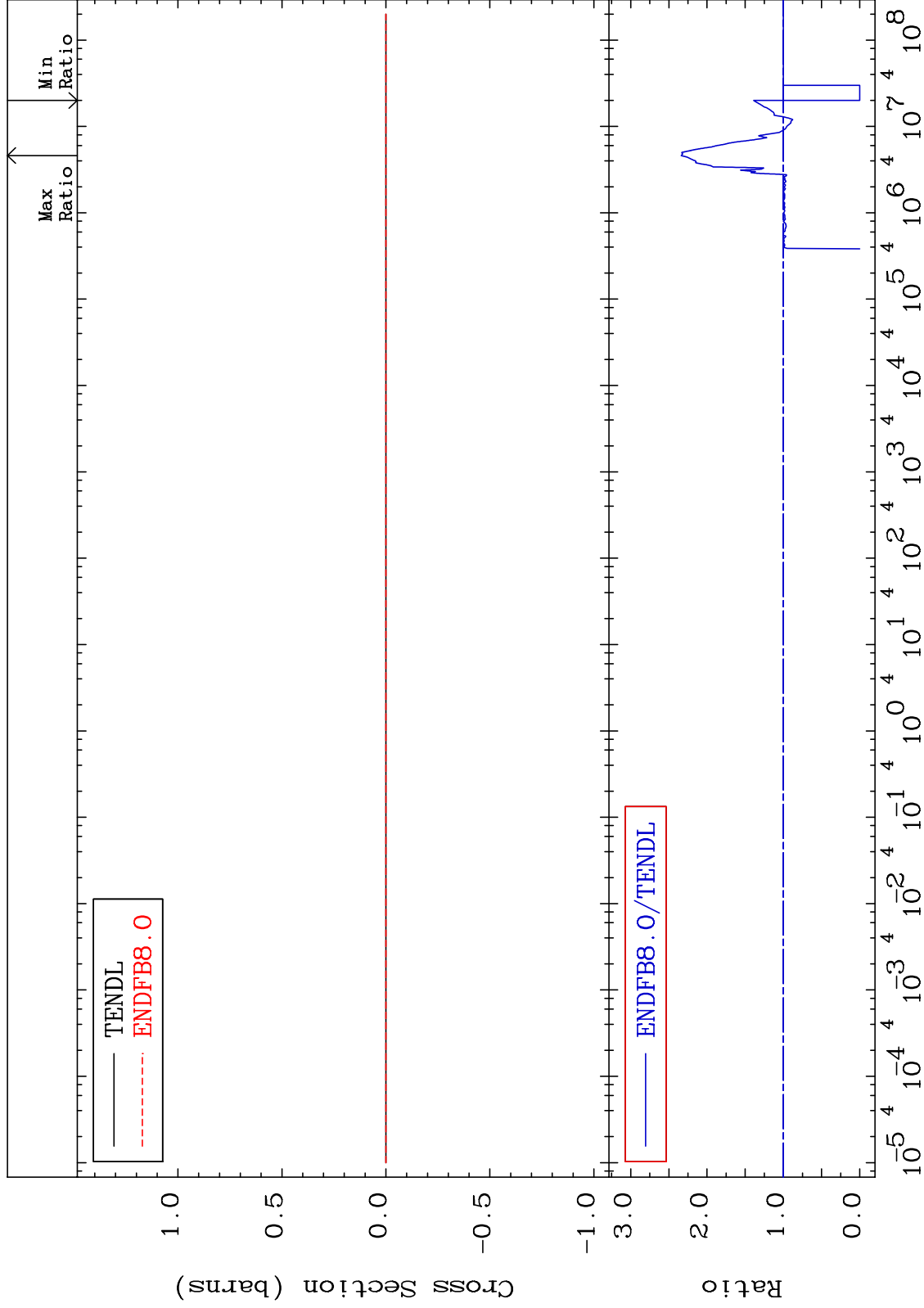
Incident Energy (eV)

20-Ca-43

MAT 2034

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

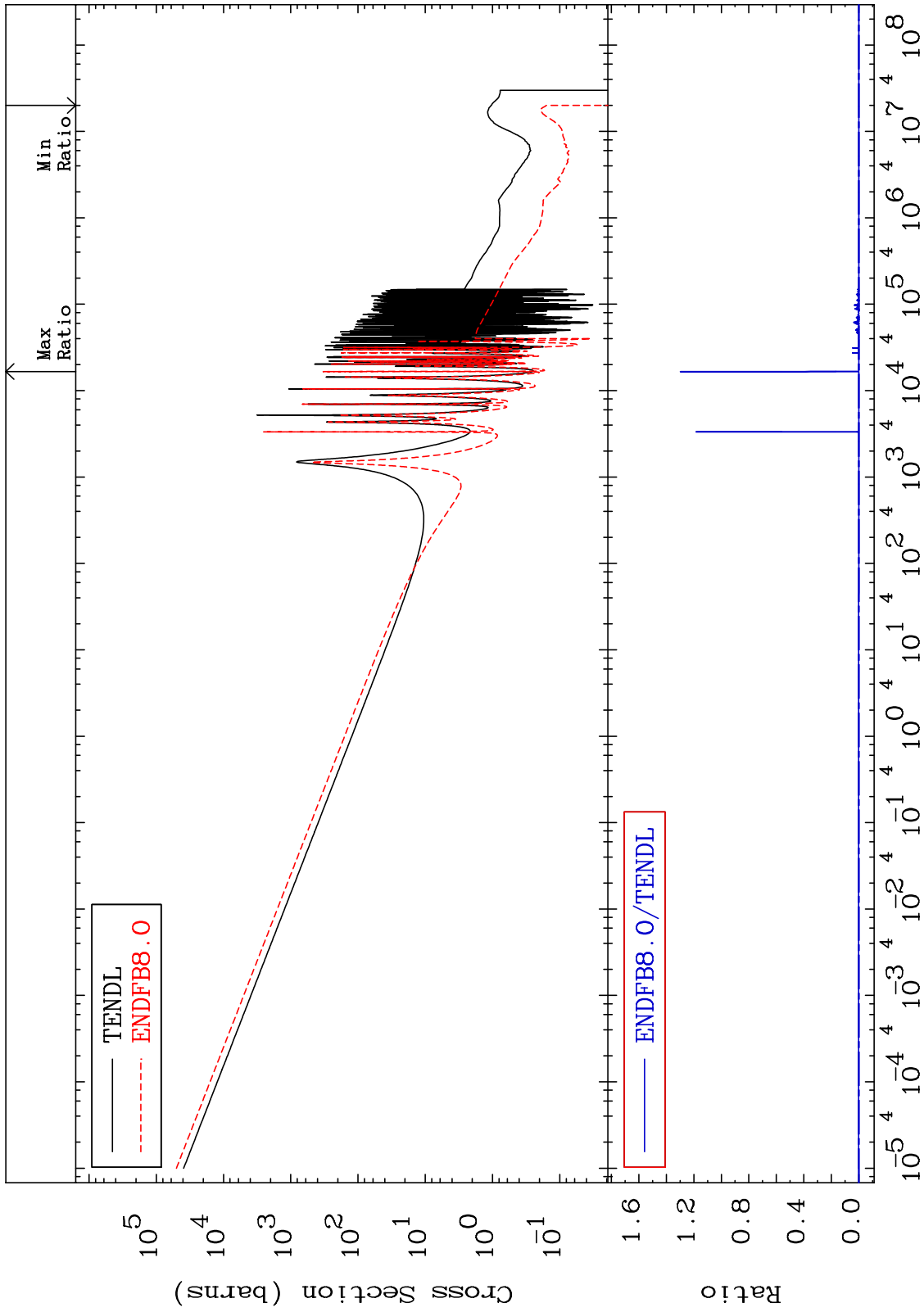
20-Ca-43
-100.0 To 133.8 %



MAT 2034

Kerma capture (mt102)
Cross Section

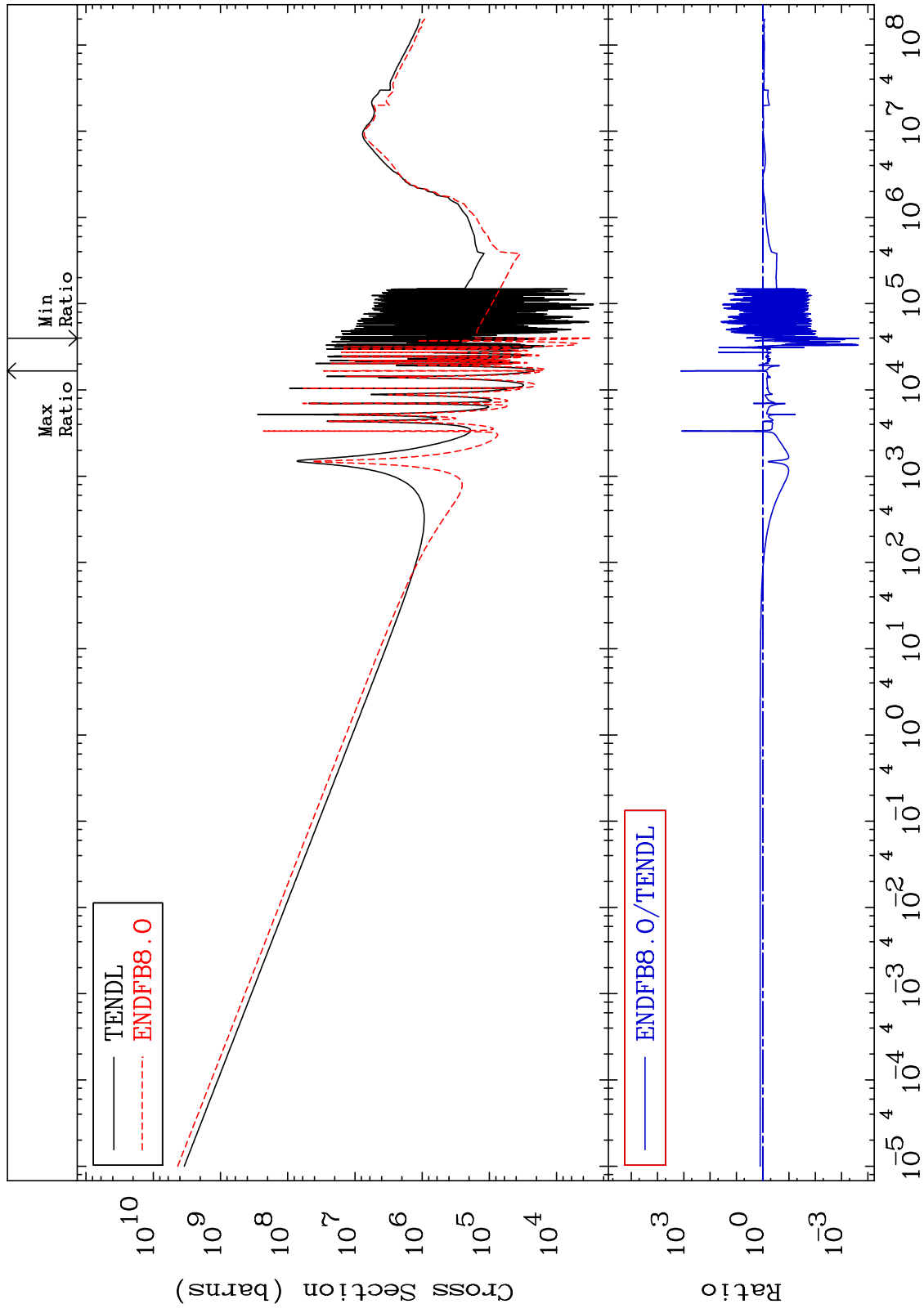
20-Ca-43
-100.0 To 9999. %



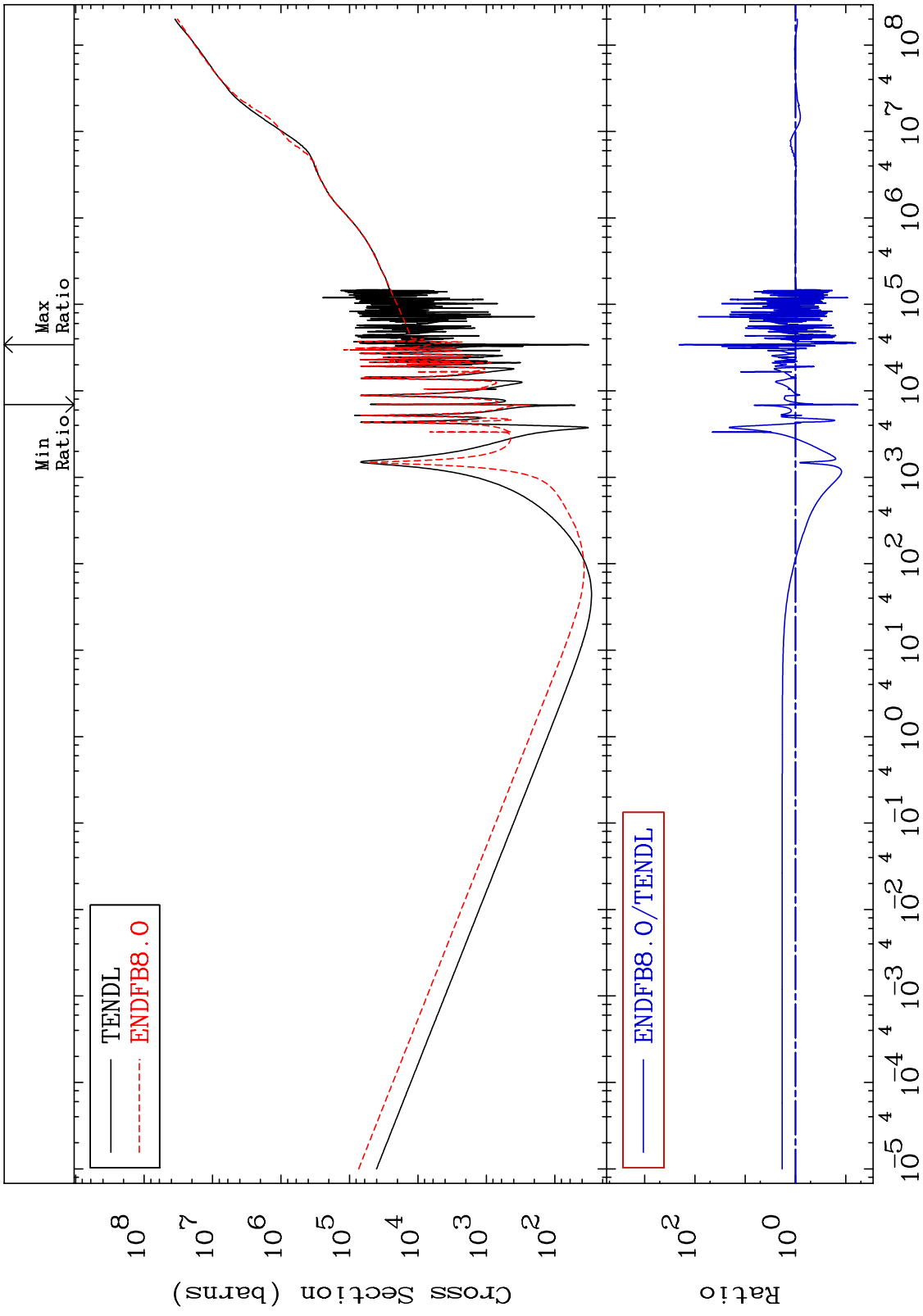
MAT 2034

Total photon (eV-barns)
Cross Section

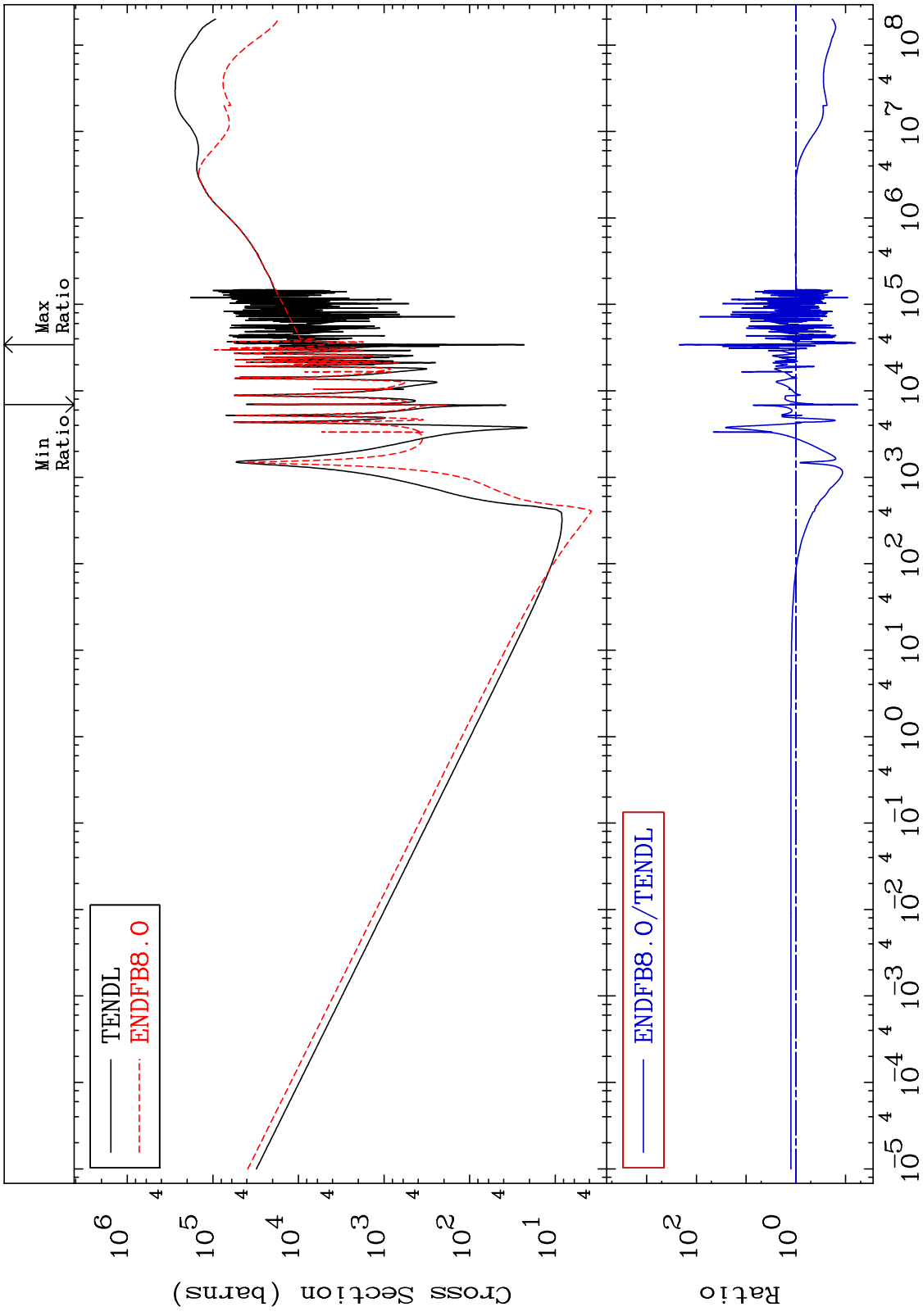
20-Ca-43
-99.98 To 9999. %



MAT 2034 Total kinematic kerma (high limit) 20-Ca-43
 Cross Section -94.27 To 9999. %



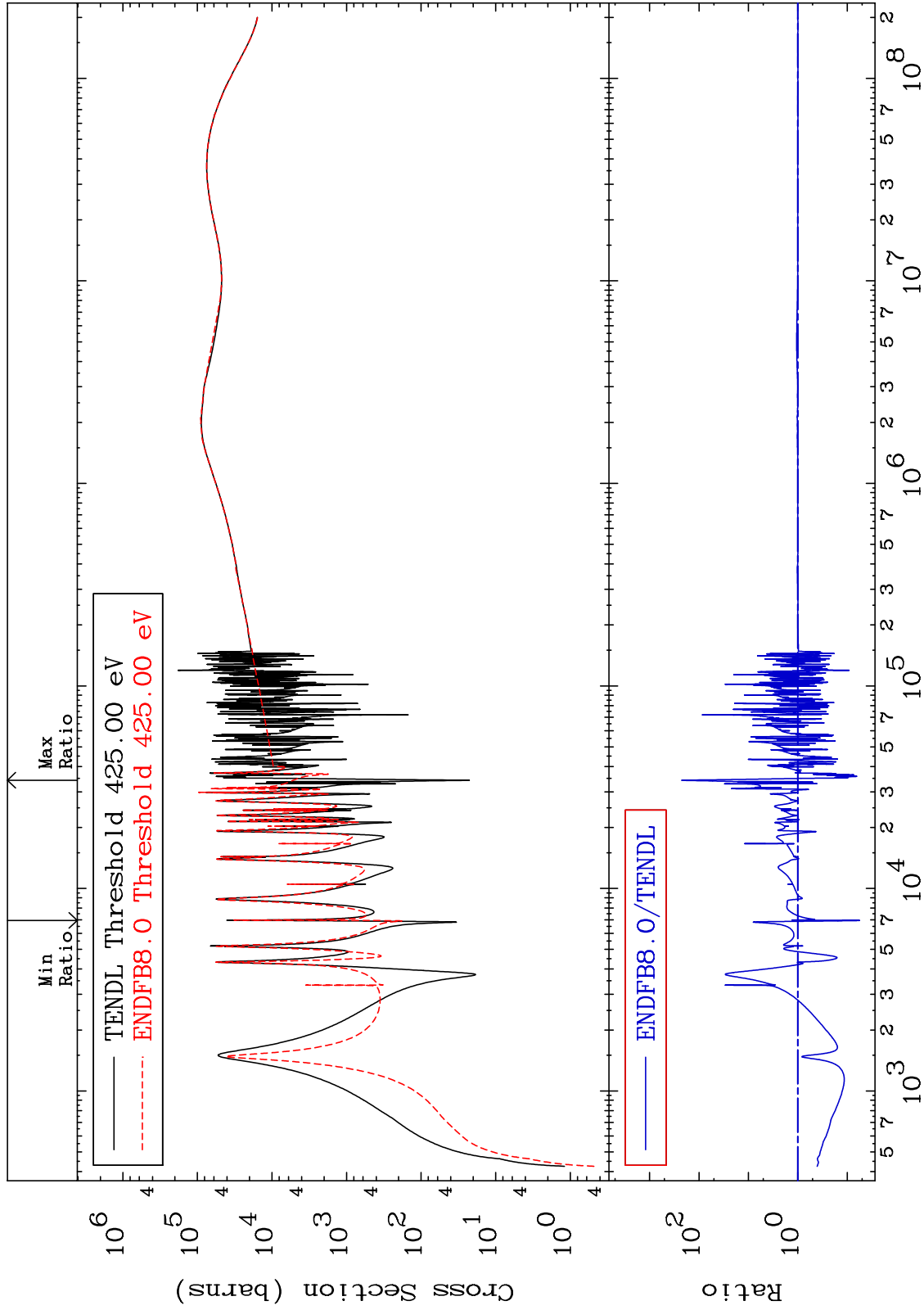
MAT 2034 Dpa total (eV-barns) 20-Ca-43
 Cross Section -94.34 To 9999. %



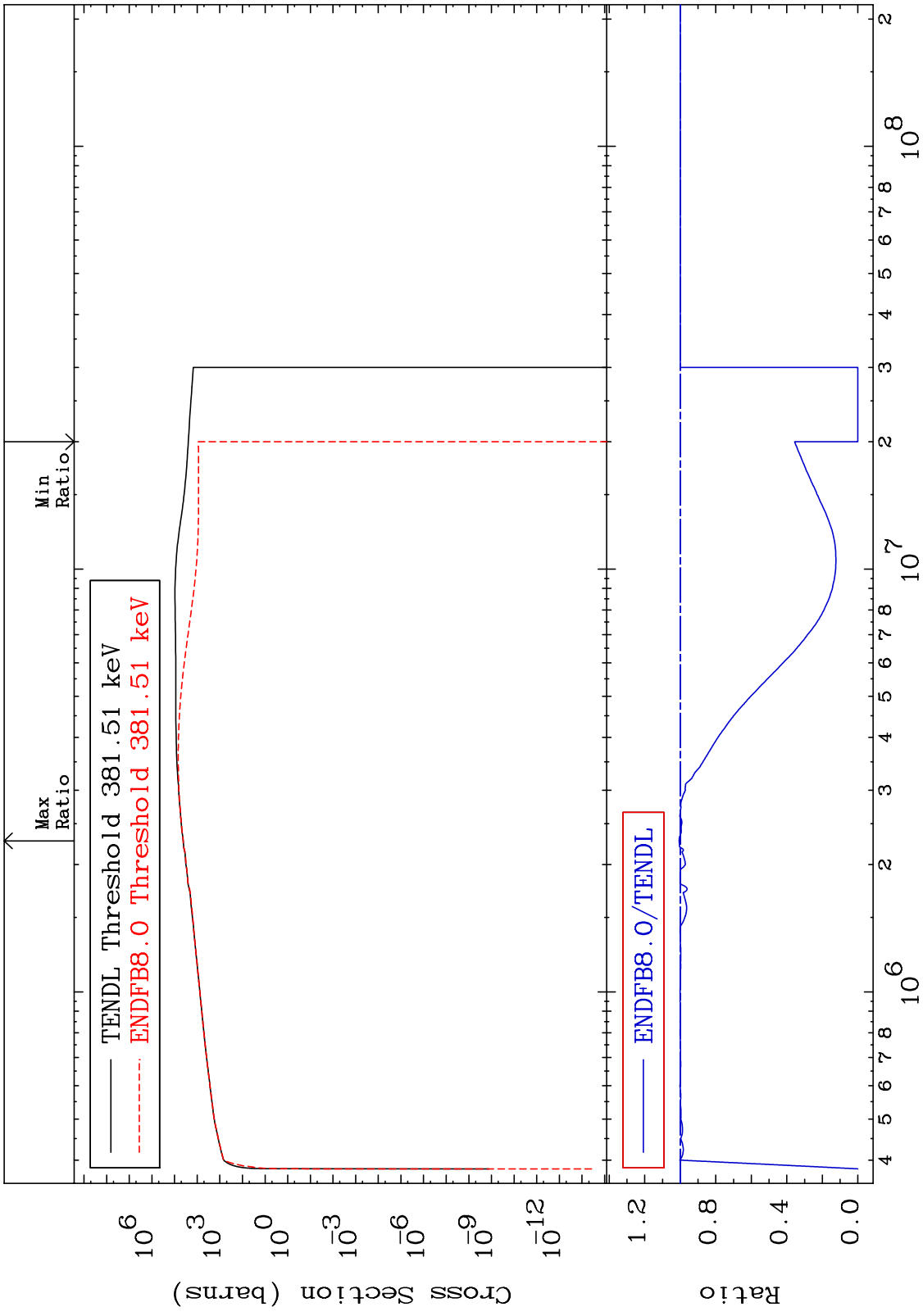
MAT 2034

Dpa elastic (mt2)
Cross Section

20-Ca-43
-94.44 To 9999. %



MAT 2034 Dpa inelastic (mt51-91) 20-Ca-43
 Cross Section -100.0 To 0.685 %



MAT 2034 Dpa disappearance (mt102 -120) 20-Ca-43
 Cross Section -100.0 To 9999. %

