

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

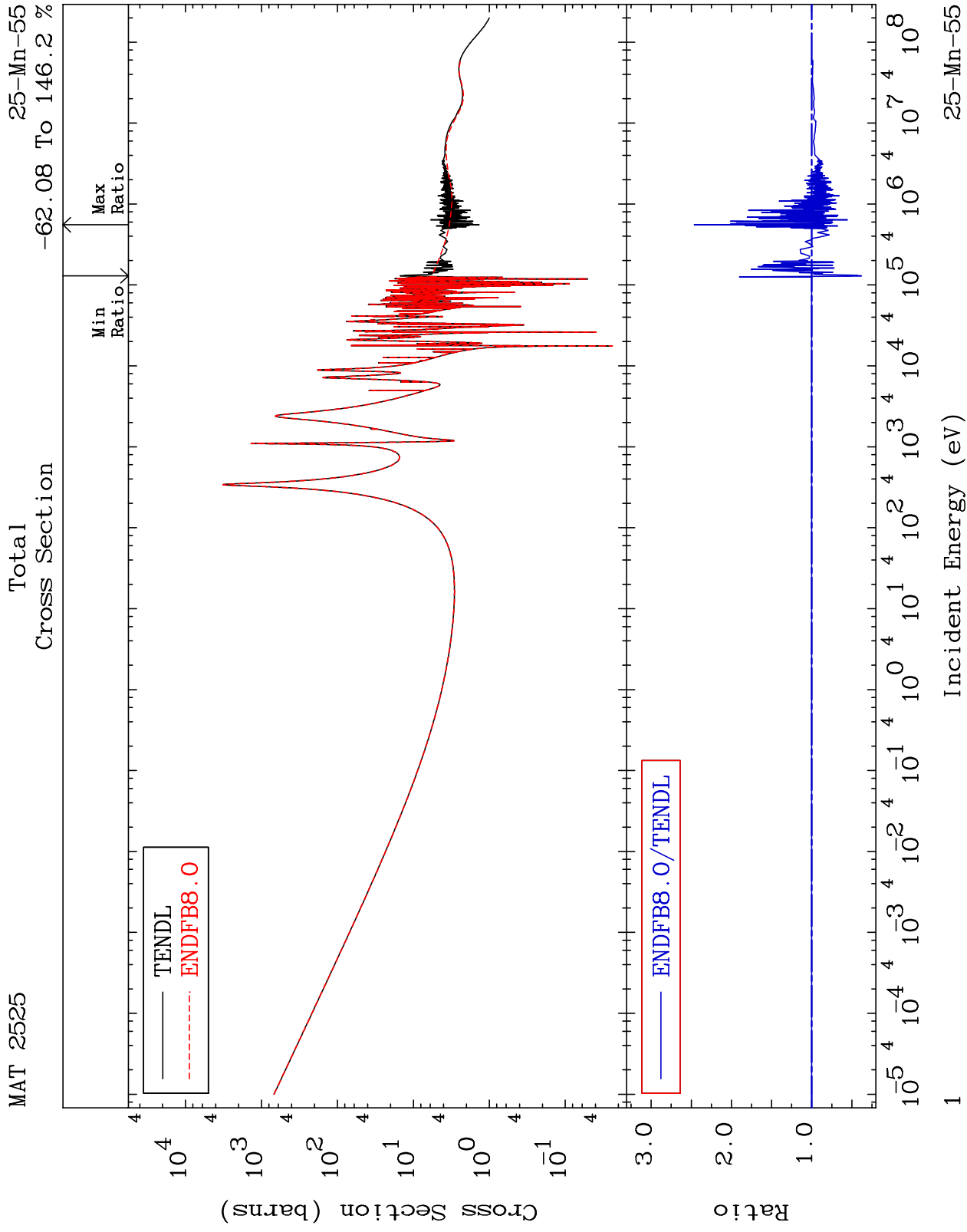
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

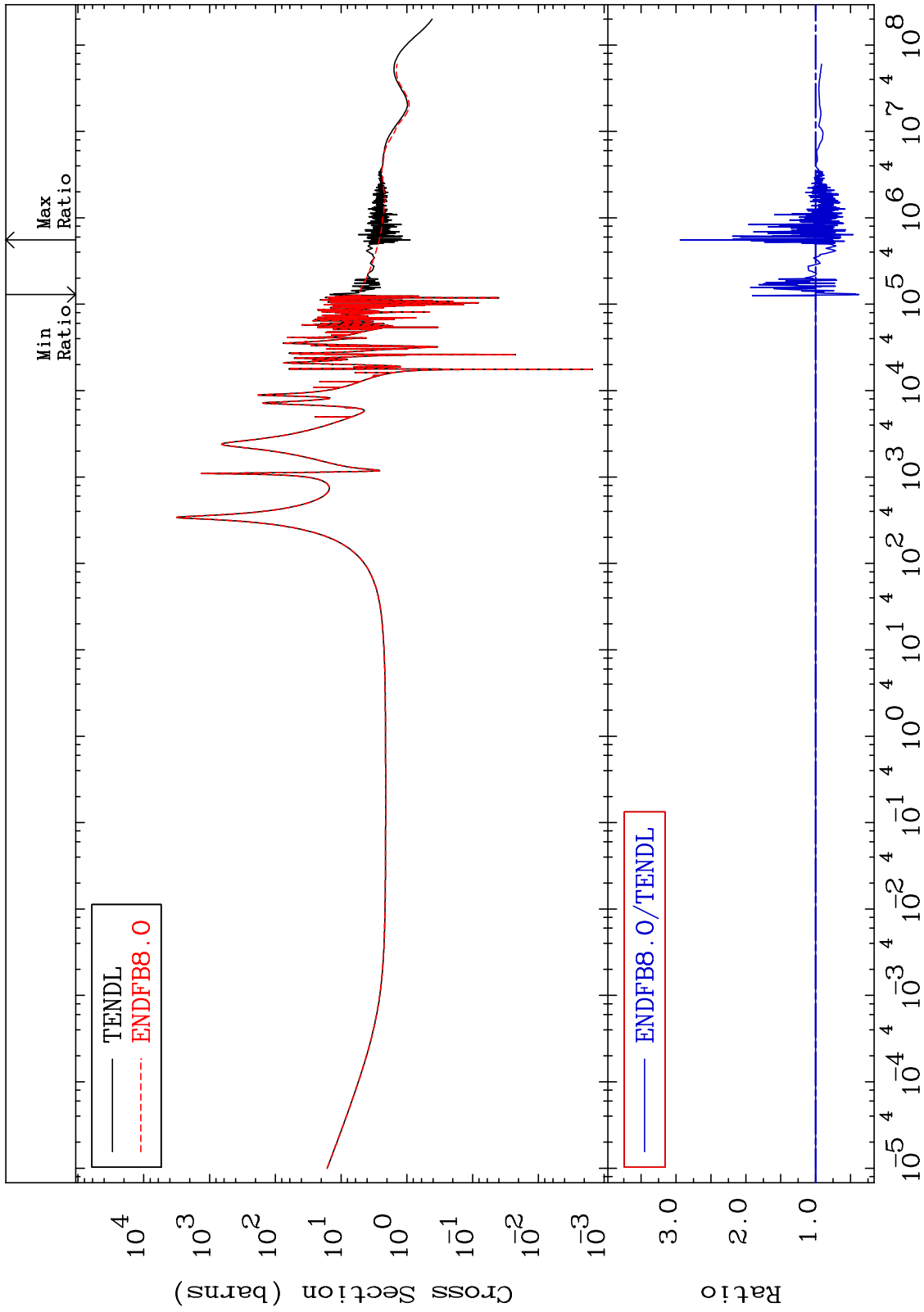
Press Mouse Button to Start



MAT 2525

Elastic
Cross Section

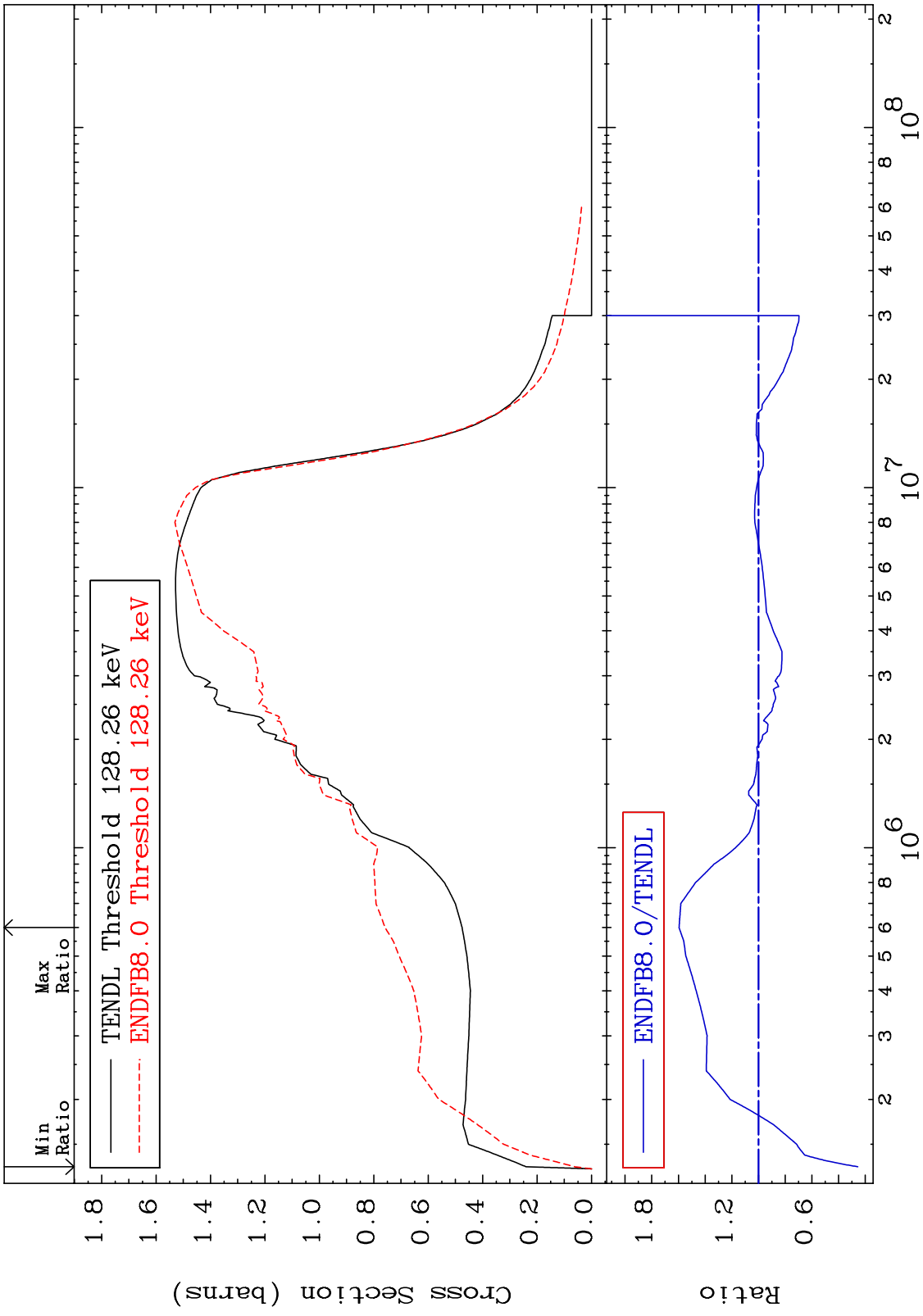
25-Mn-55
-61.98 To 194.0 %



2

Incident Energy (eV)

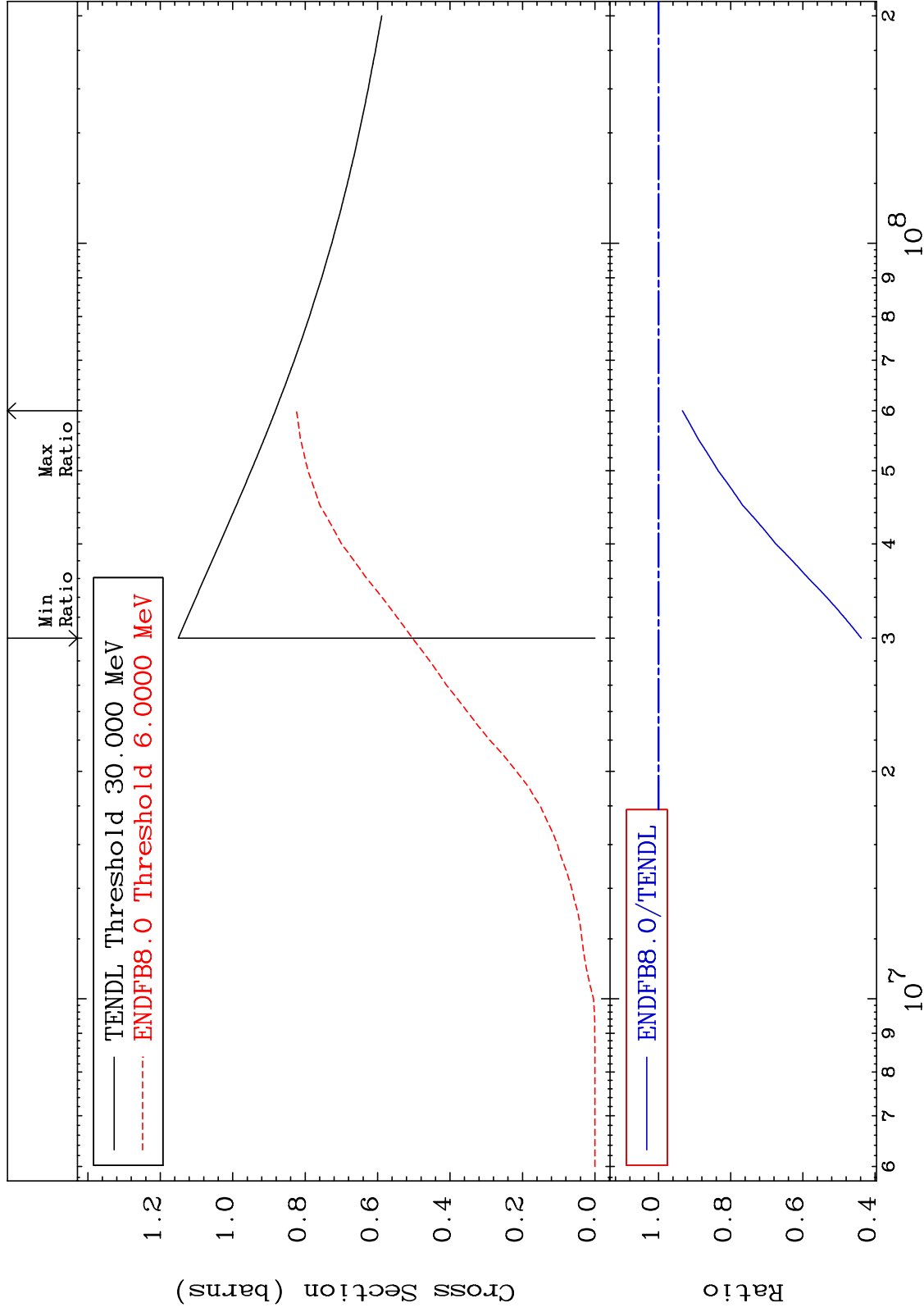
25-Mn-55



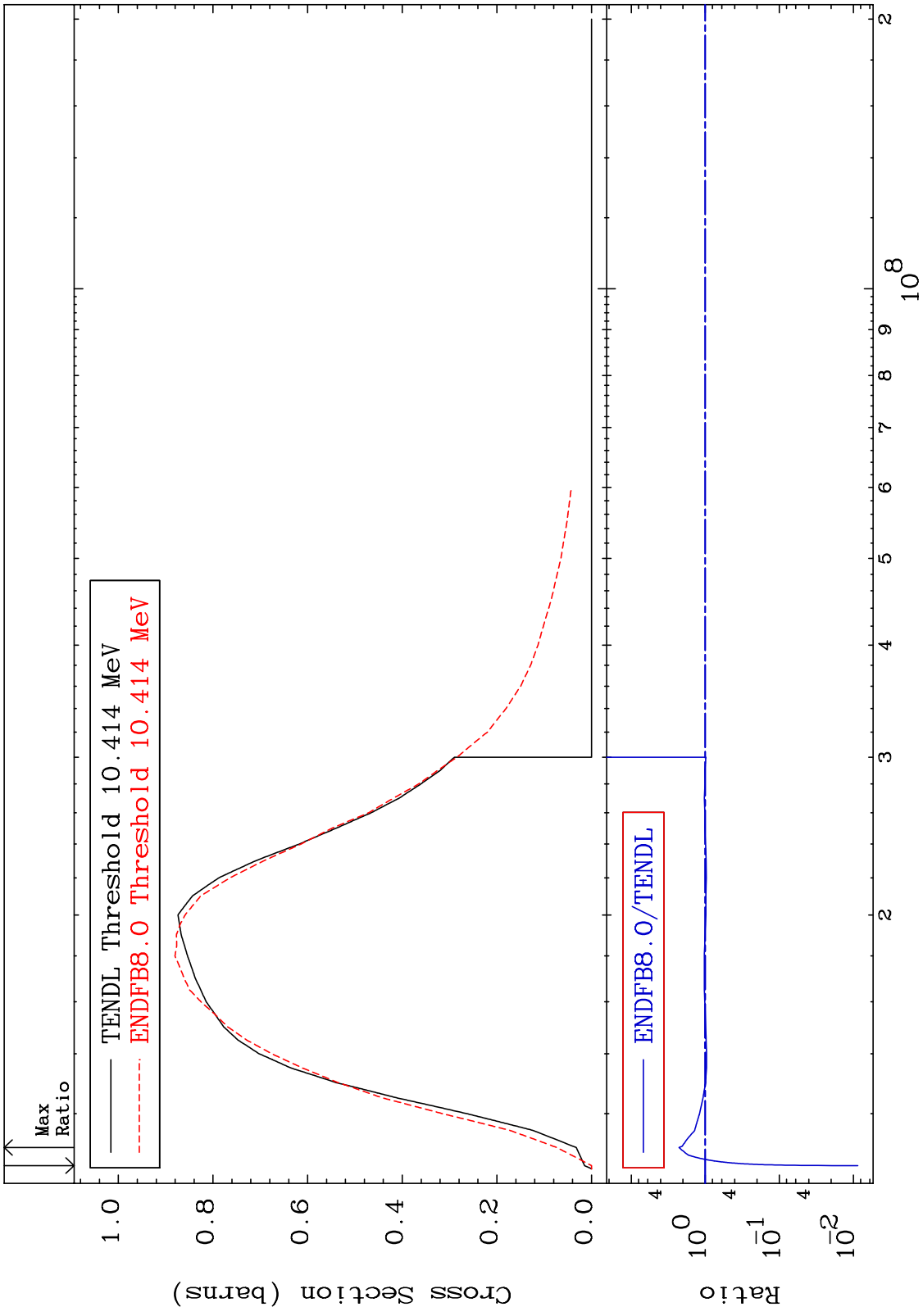
MAT 2525

(n, remainder)
Cross Section

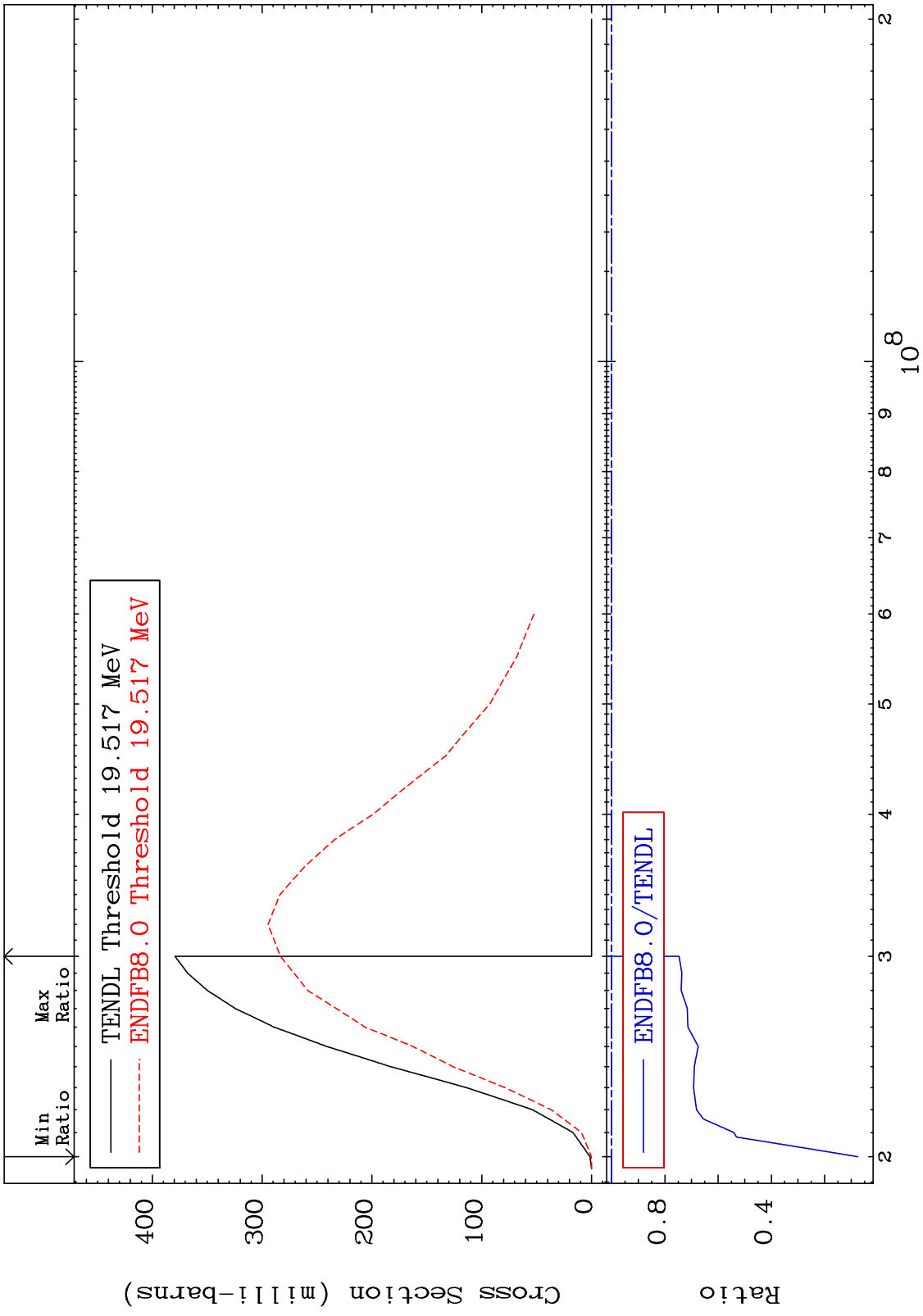
25-Mn-55
-56.21 To -6.600%



MAT 2525 (n,2n) Cross Section 25-Mn-55 -99.13 To 126.2 %

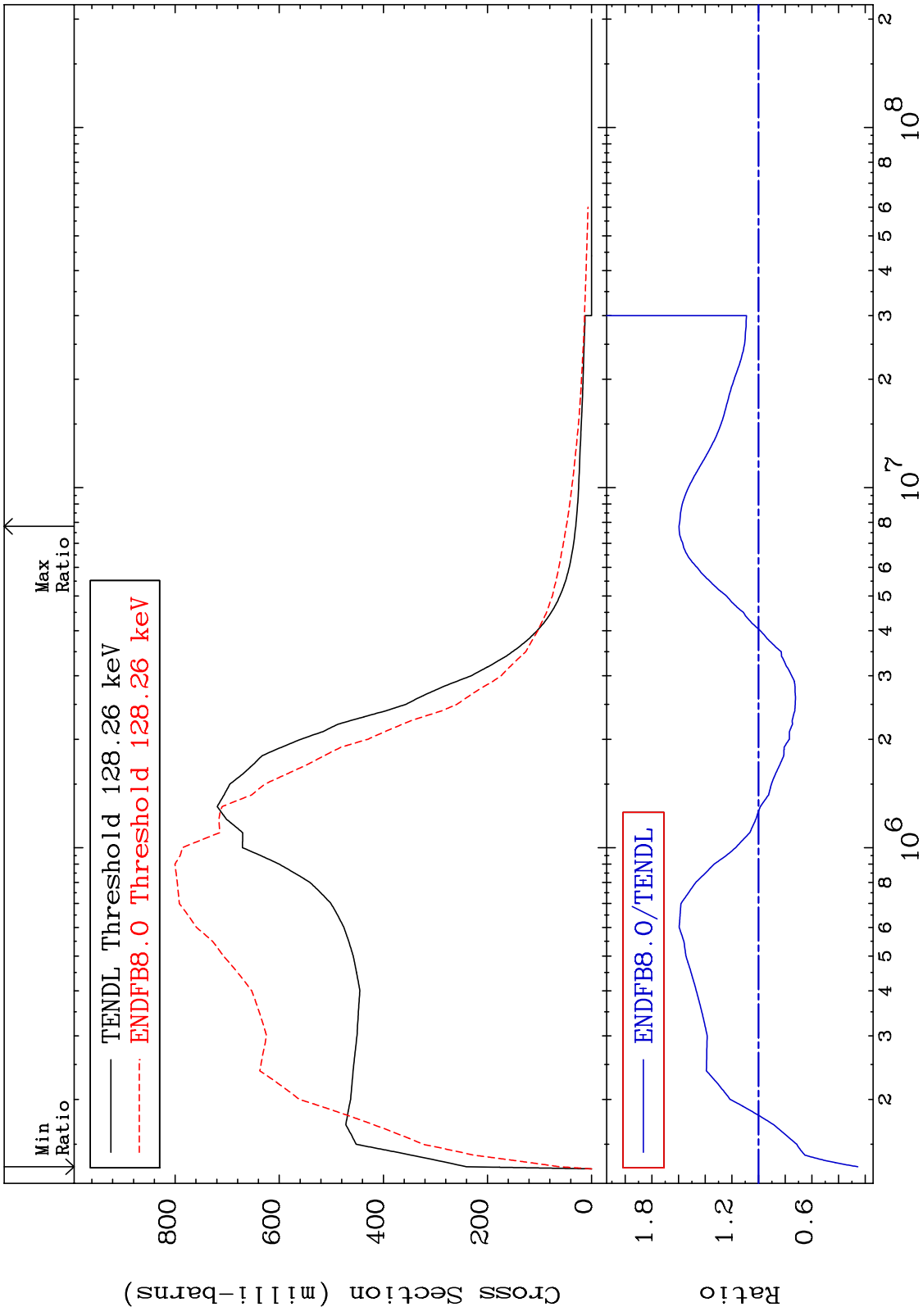


MAT 2525 (n,3n) Cross Section 25-Mn-55 -92.51 To -25.31%



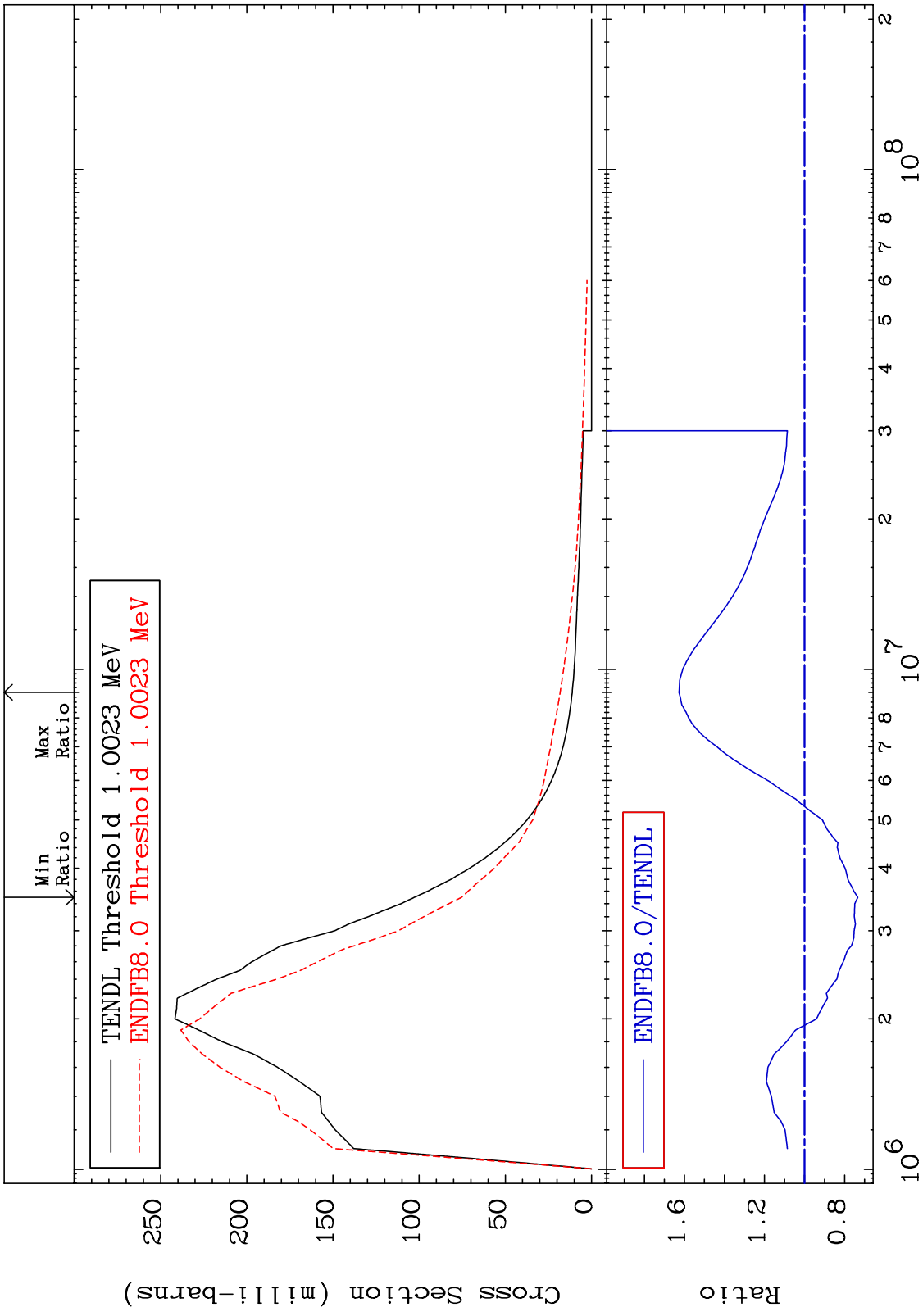
6 25-Mn-55

MAT 2525 MT= 51 (n,n') Level Cross Section -74.43 To 59.63 % 25-Mn-55



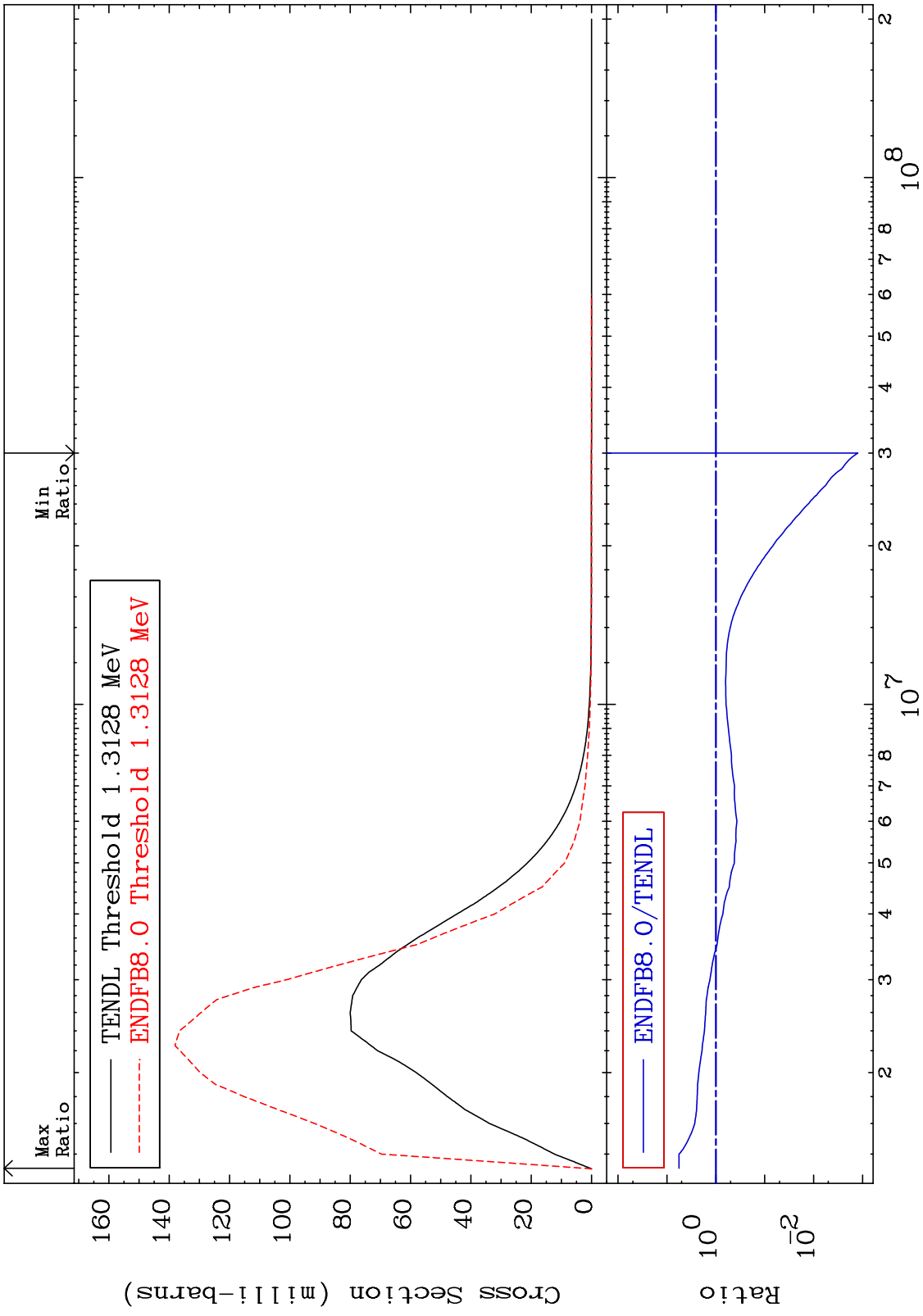
7 Incident Energy (eV) 25-Mn-55

MAT 2525 MT= 52 (n,n') Level Cross Section -26.61 To 62.67 % 25-Mn-55



Incident Energy (eV) 25-Mn-55

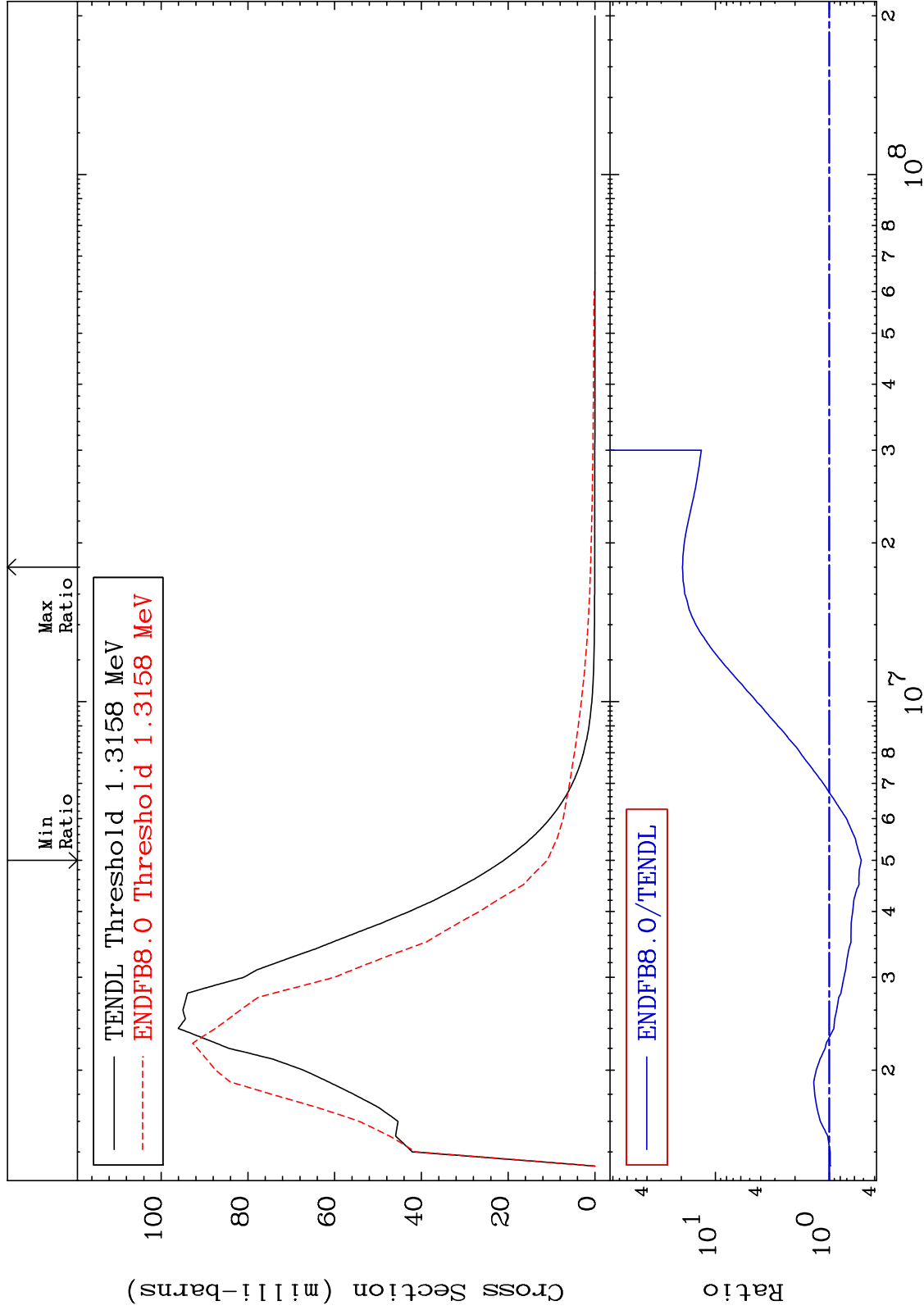
MAT 2525 MT= 53 (n,n') Level Cross Section 25-Mn-55 -99.88 To 466.3 %



MAT 2525

MT= 54 (n,n') Level
Cross Section

25-Mn-55
-47.76 To 1851. %

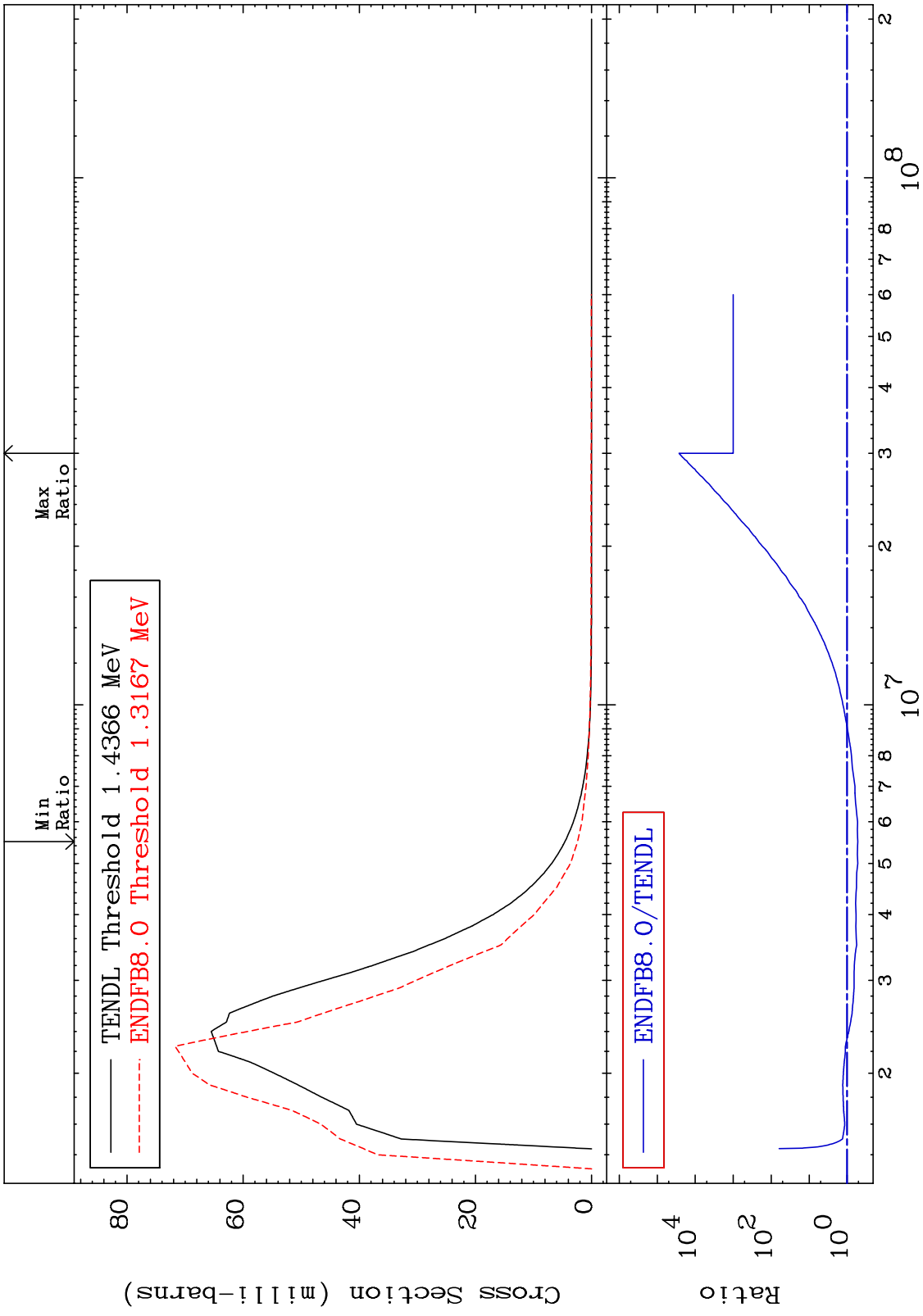


10

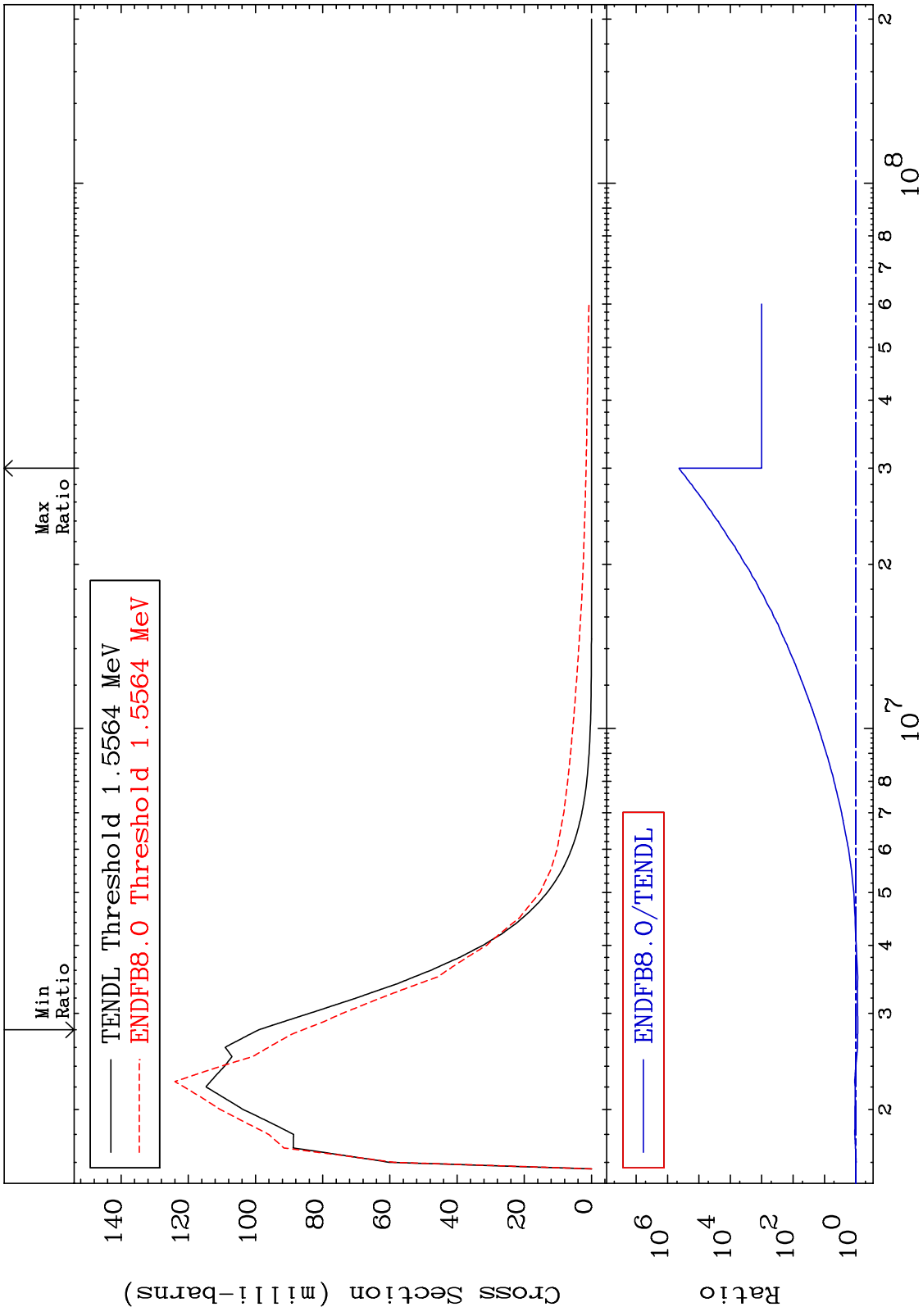
Incident Energy (eV)

25-Mn-55

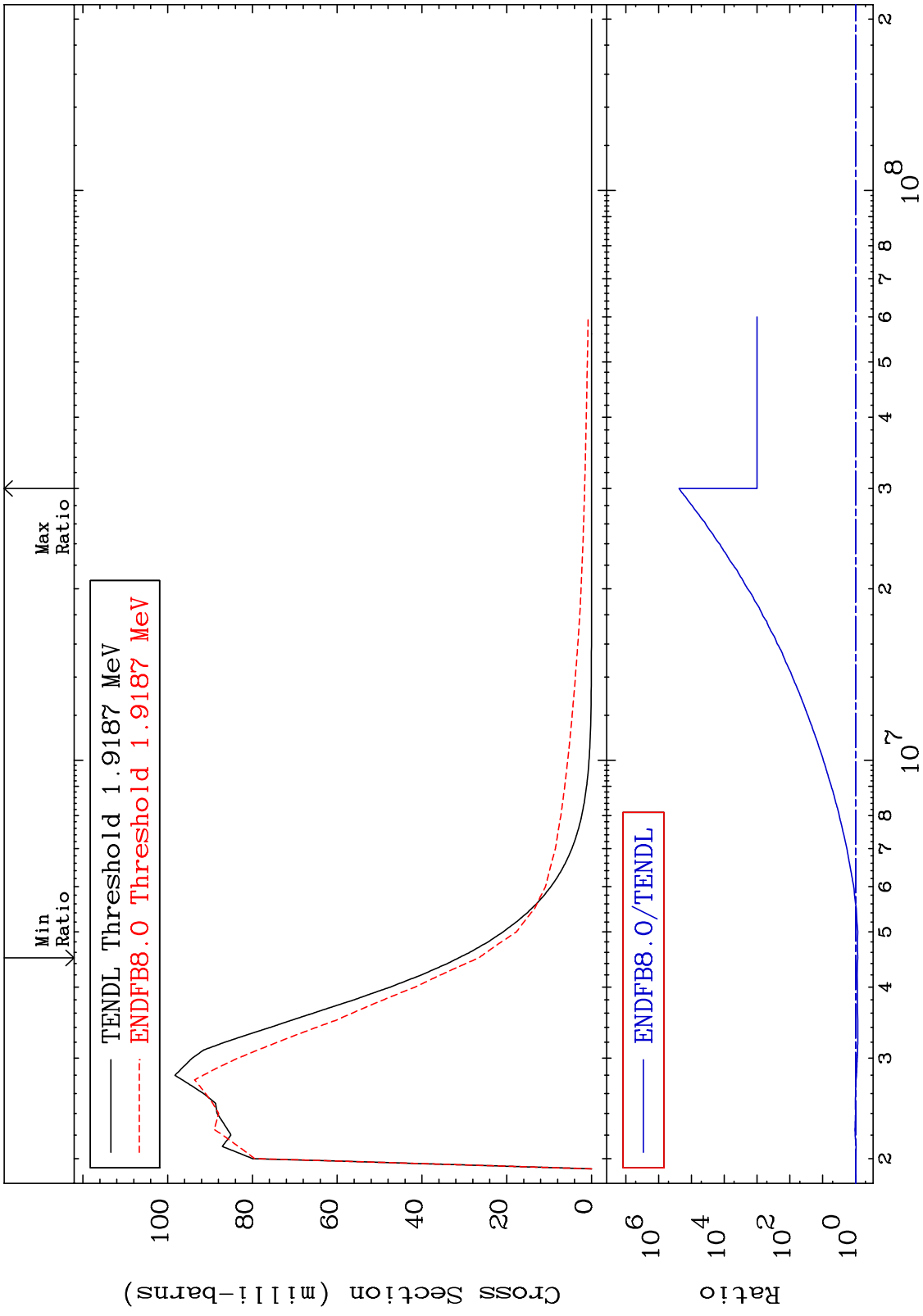
MAT 2525 MT= 55 (n,n') Level Cross Section 25-Mn-55
 -47.78 To 9999. %



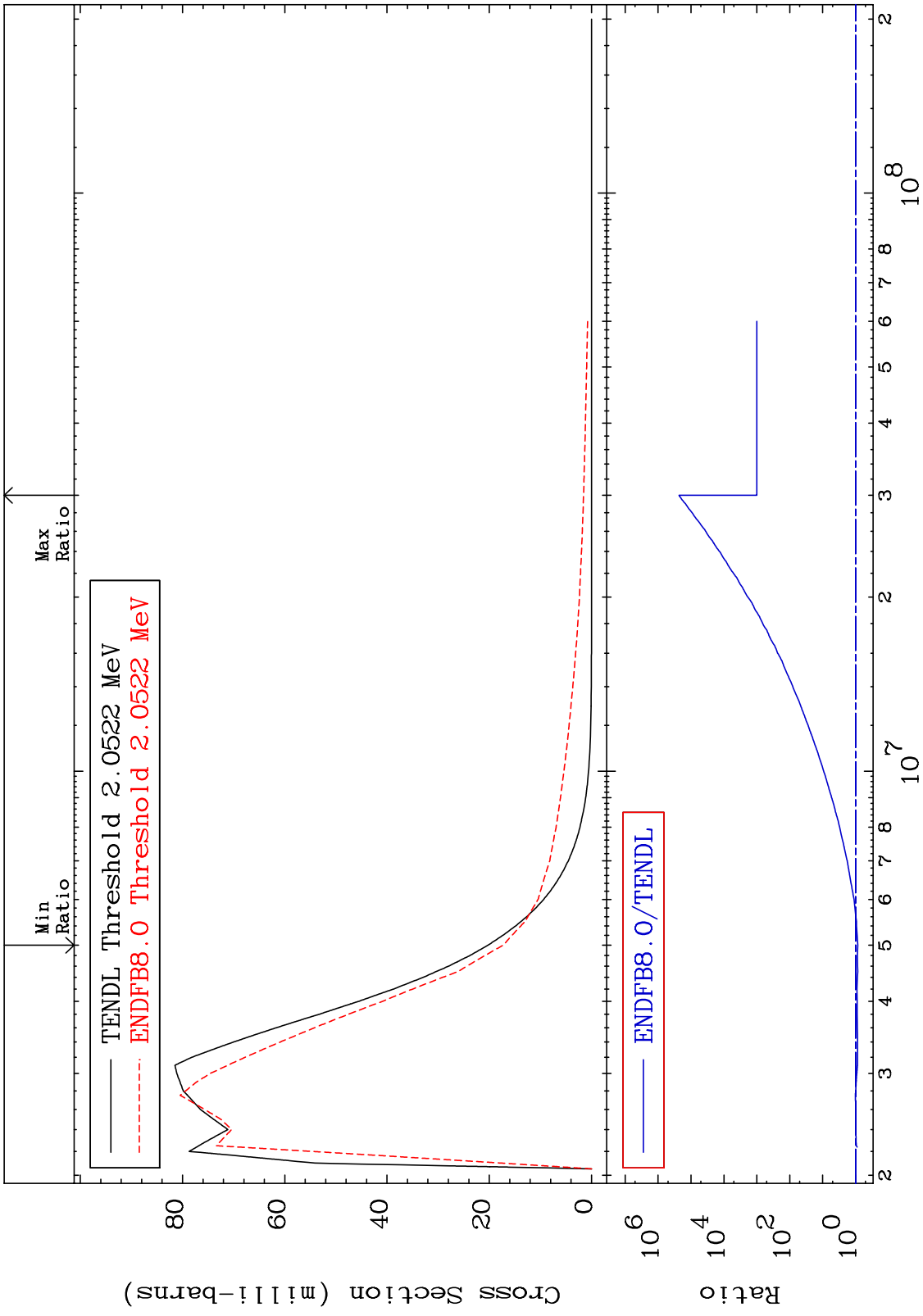
MAT 2525 MT= 56 (n,n') Level Cross Section -13.25 To 9999. % 25-Mn-55



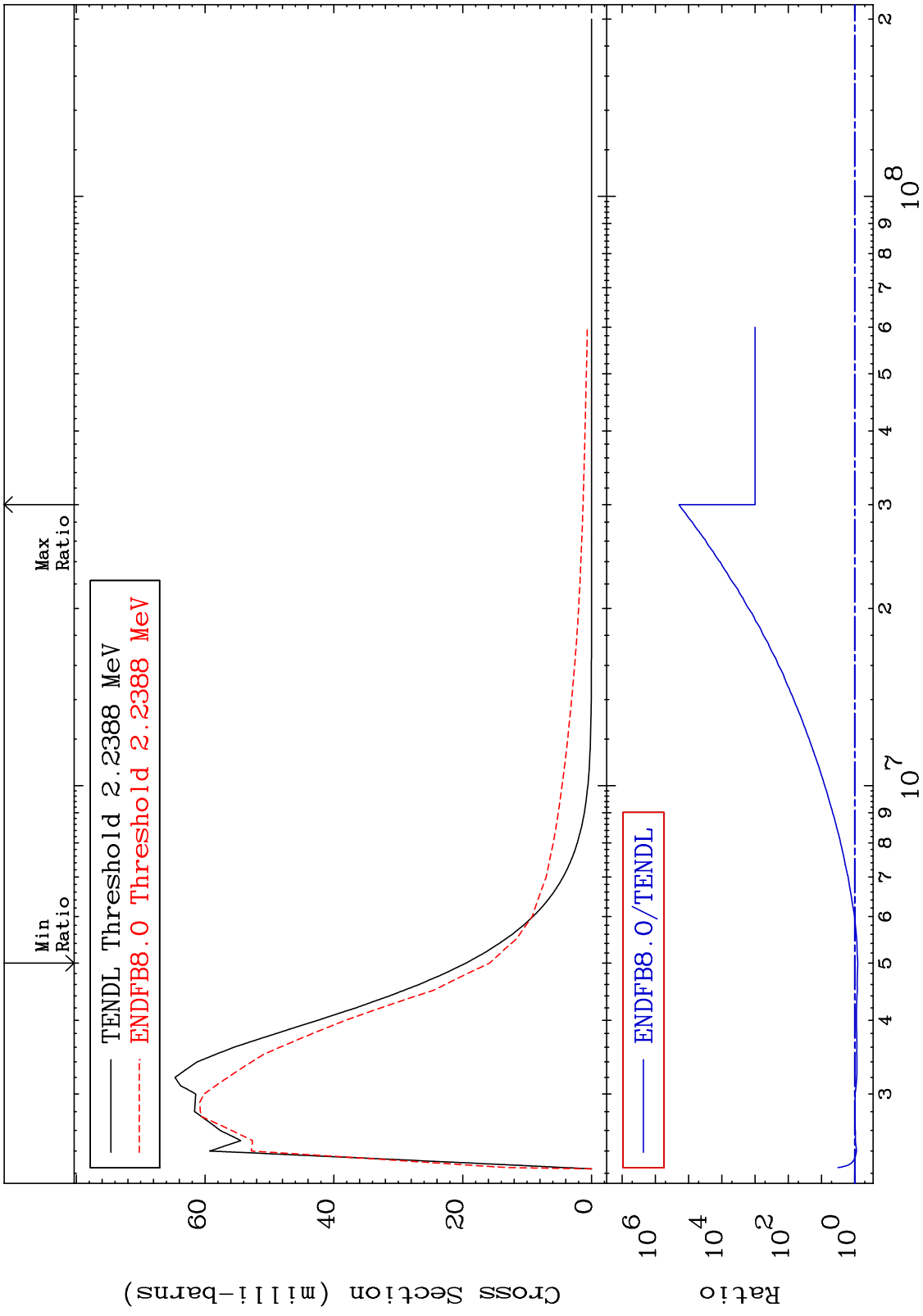
MAT 2525 MT= 57 (n,n') Level Cross Section -15.13 To 9999. % 25-Mn-55



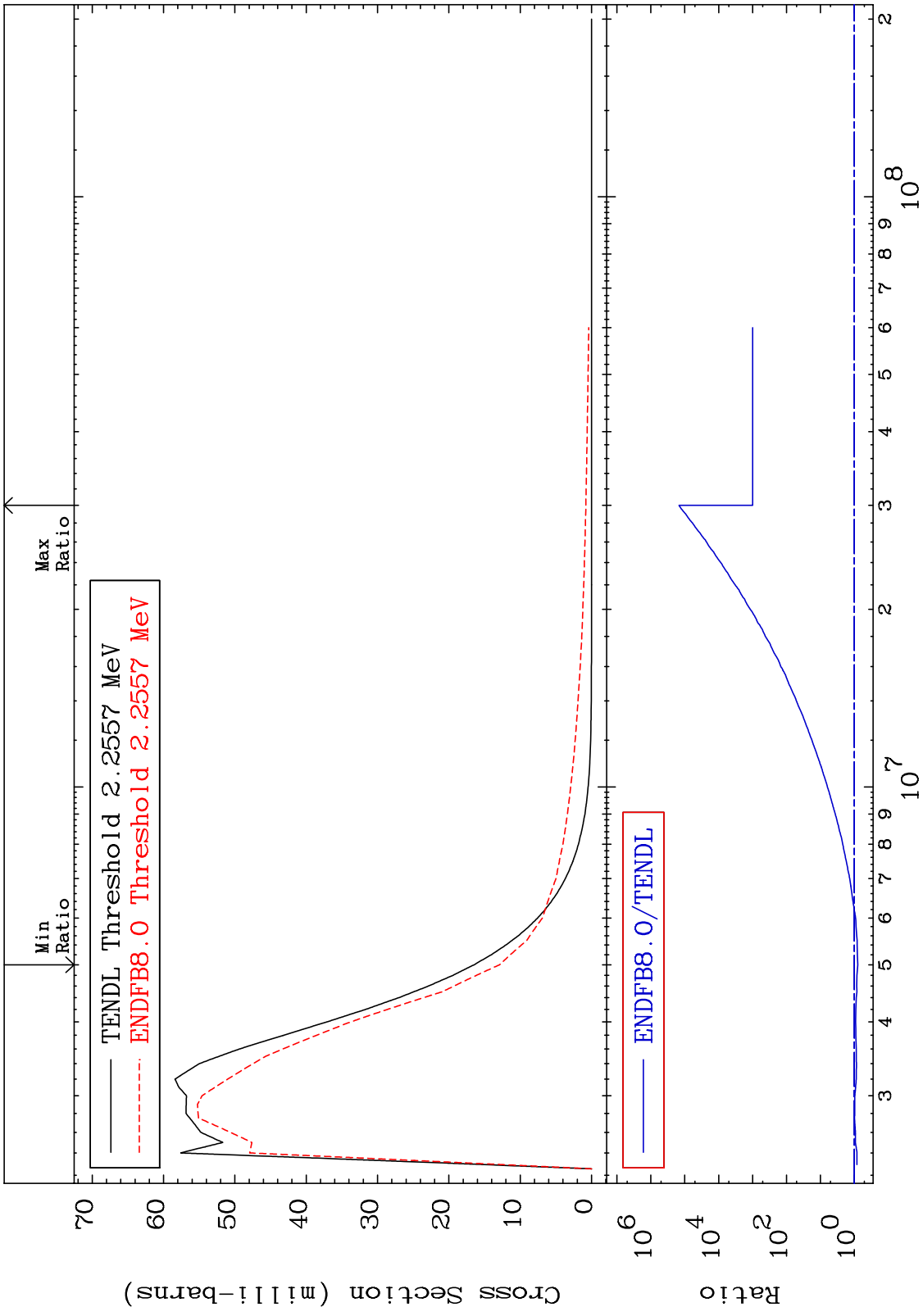
MAT 2525 MT= 58 (n,n') Level Cross Section -14.65 To 9999. % 25-Mn-55



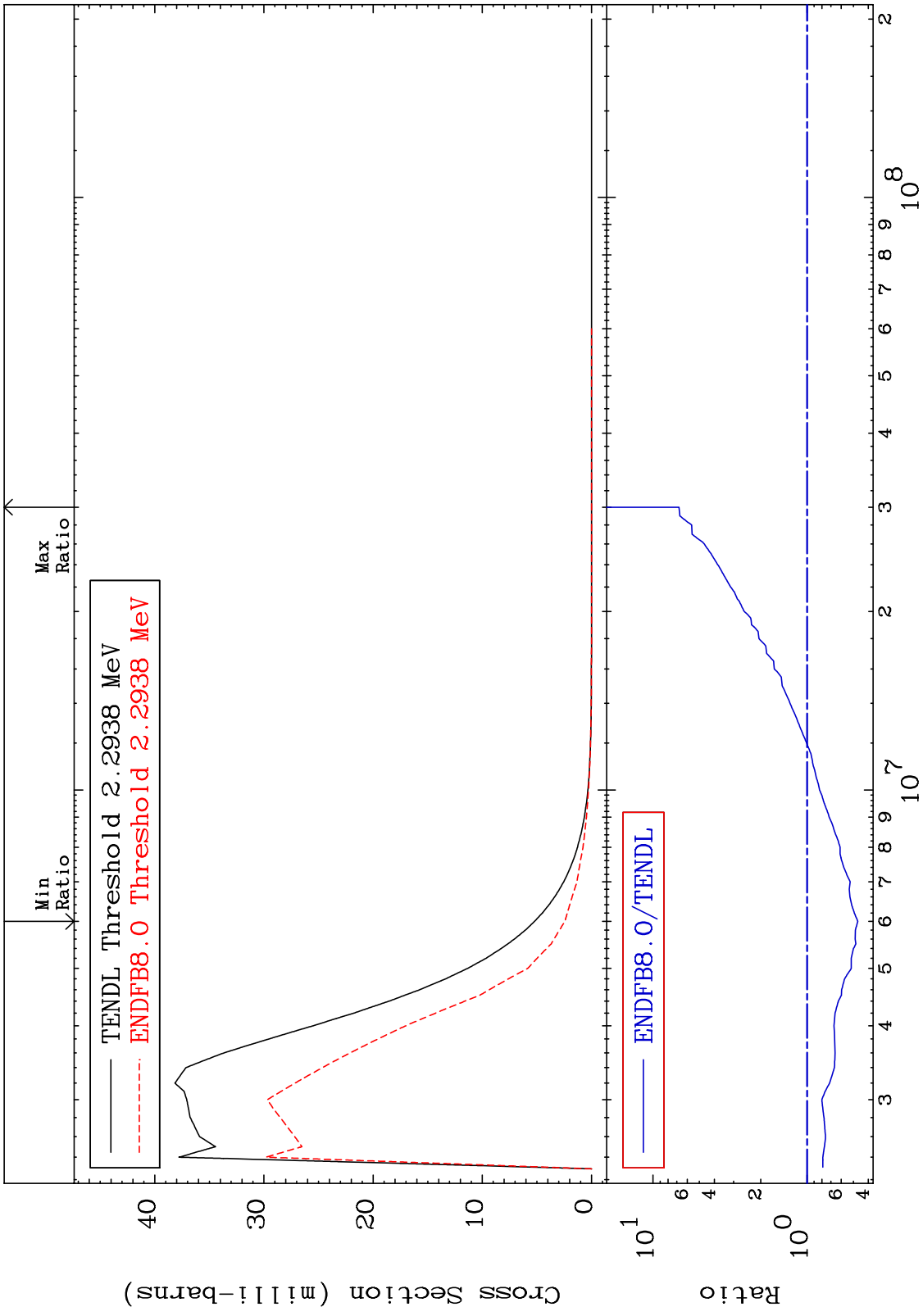
MAT 2525 MT= 59 (n,n') Level Cross Section -18.80 To 9999. % 25-Mn-55



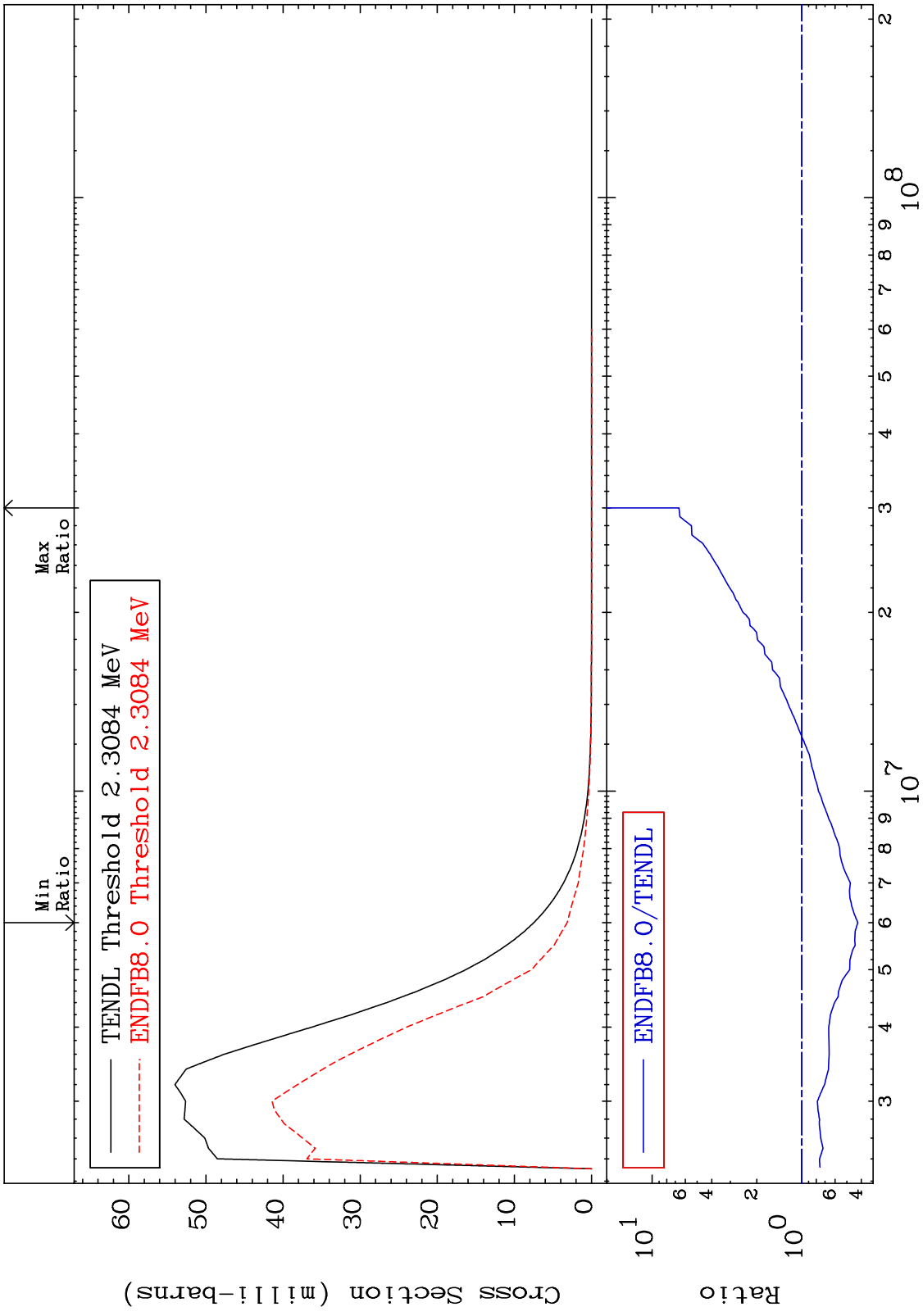
MAT 2525 MT= 60 (n,n') Level Cross Section -21.68 To 9999. % 25-Mn-55



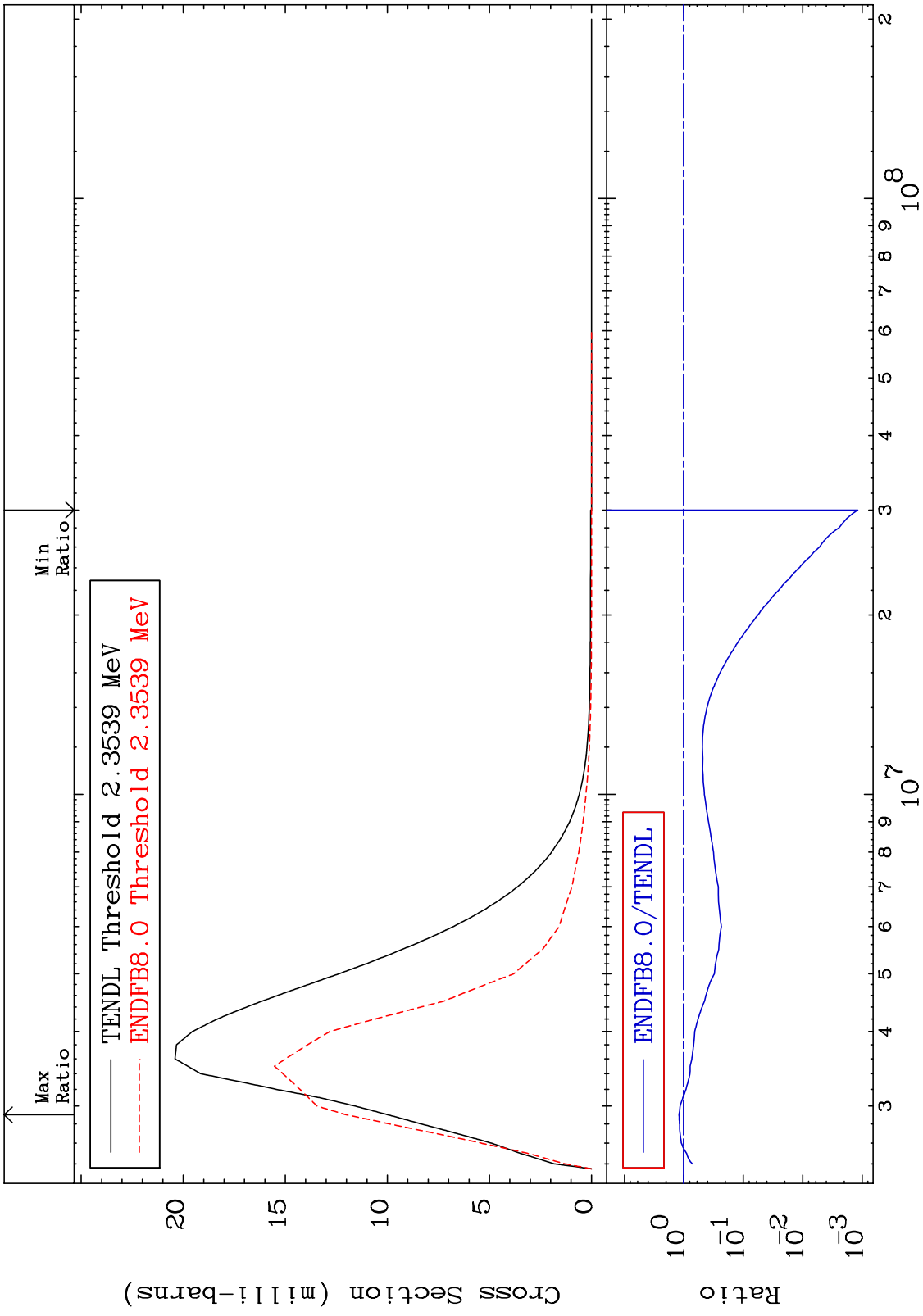
MAT 2525 MT= 61 (n,n') Level Cross Section 25-Mn-55
 -53.27 To 577.6 %



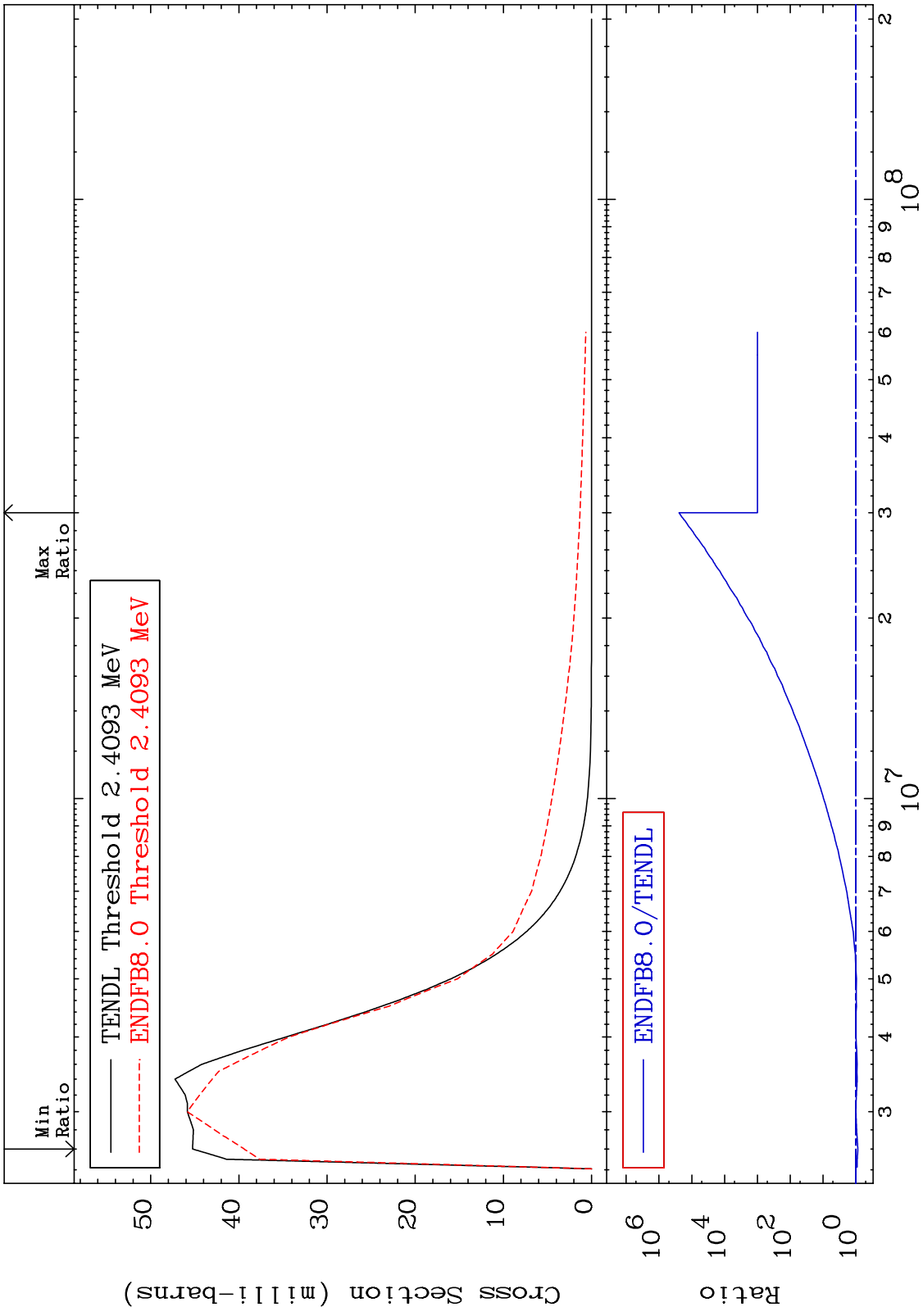
MAT 2525 MT= 62 (n,n') Level Cross Section 25-Mn-55 -57.77 To 561.3 %



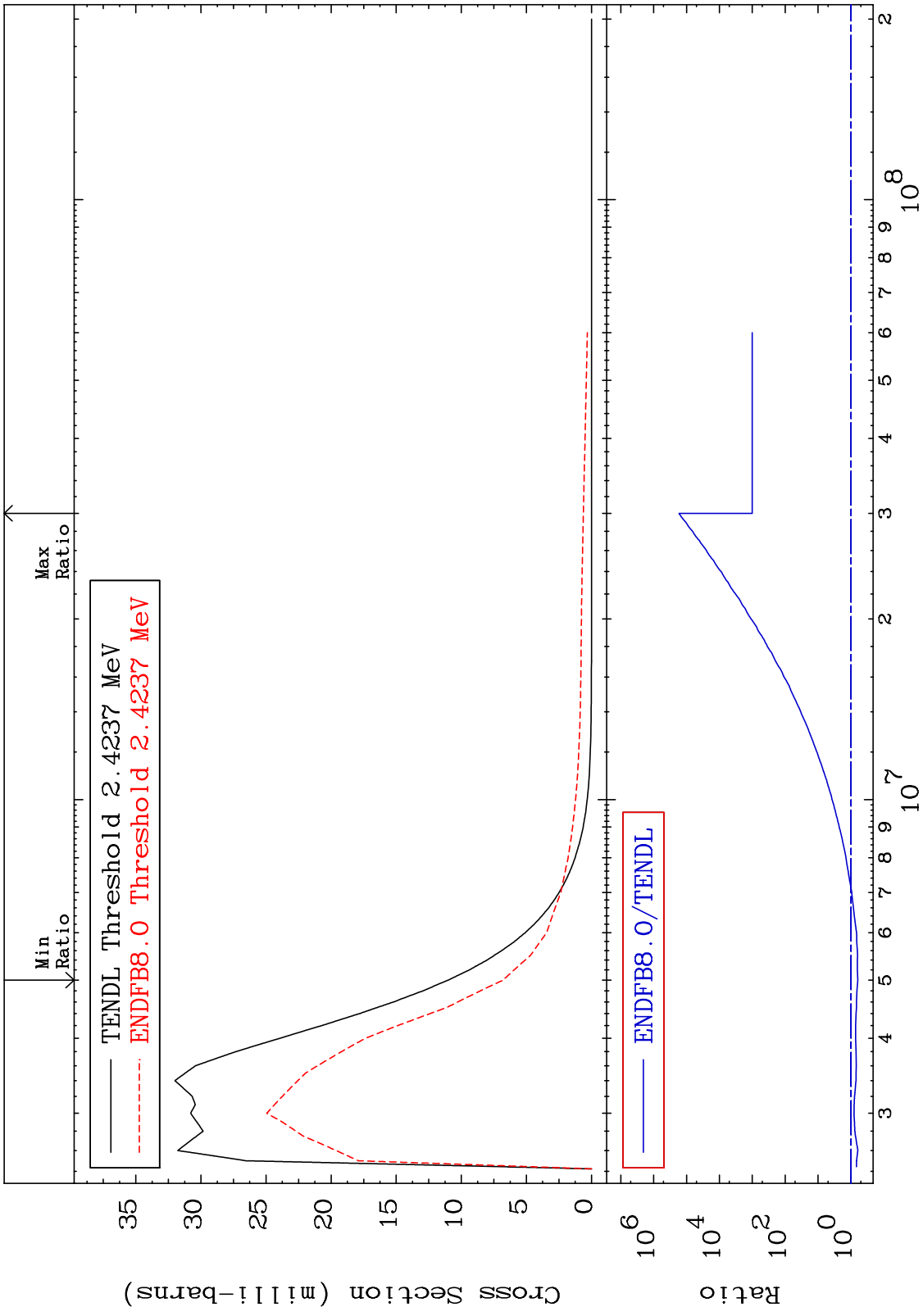
MAT 2525 MT= 64 (n,n') Level Cross Section 25-Mn-55
 -99.88 To 20.61 %



MAT 2525 MT= 65 (n,n') Level Cross Section -12.93 To 9999. % 25-Mn-55

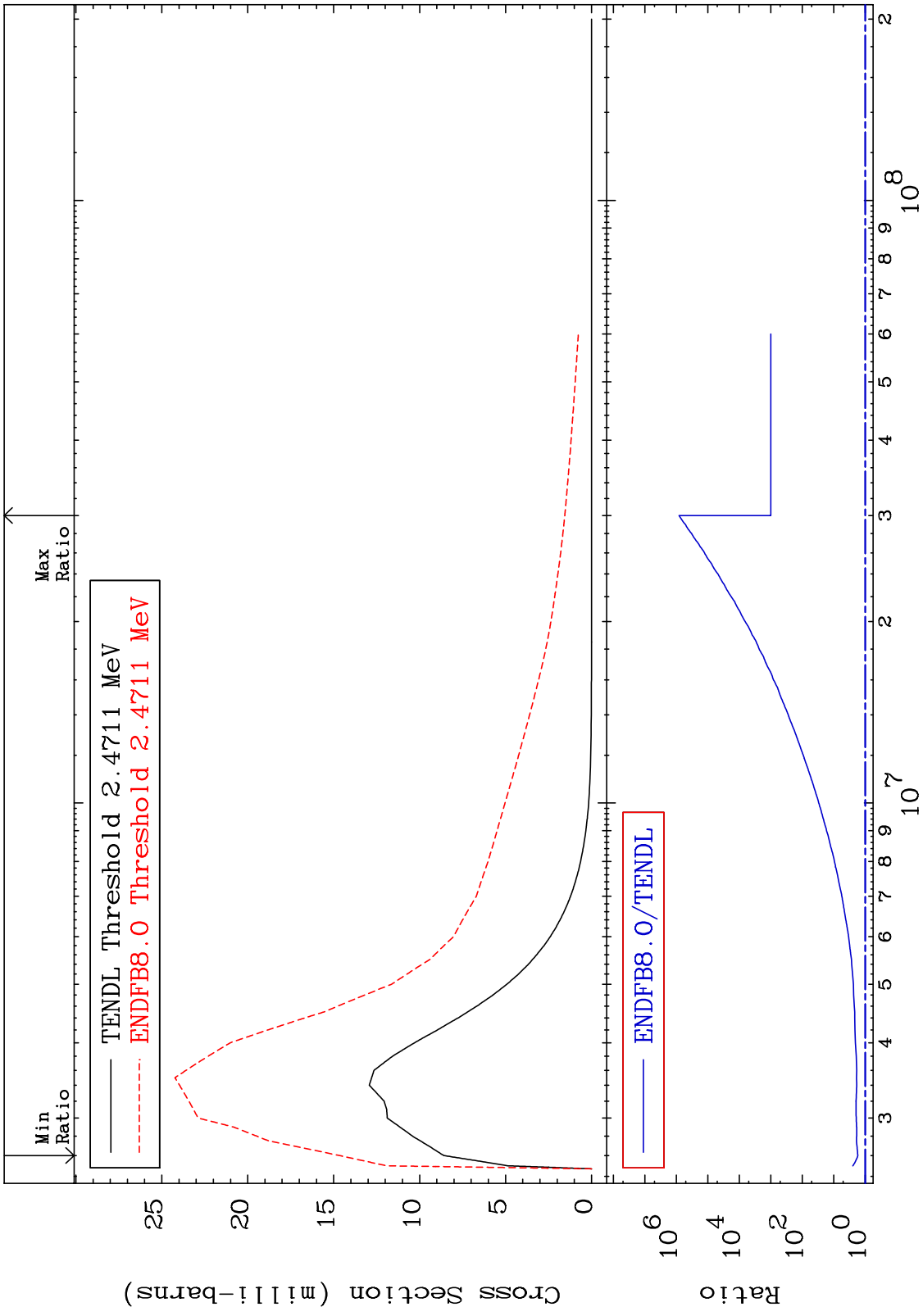


MAT 2525 MT= 66 (n,n') Level Cross Section 25-Mn-55
 -38.28 To 9999. %

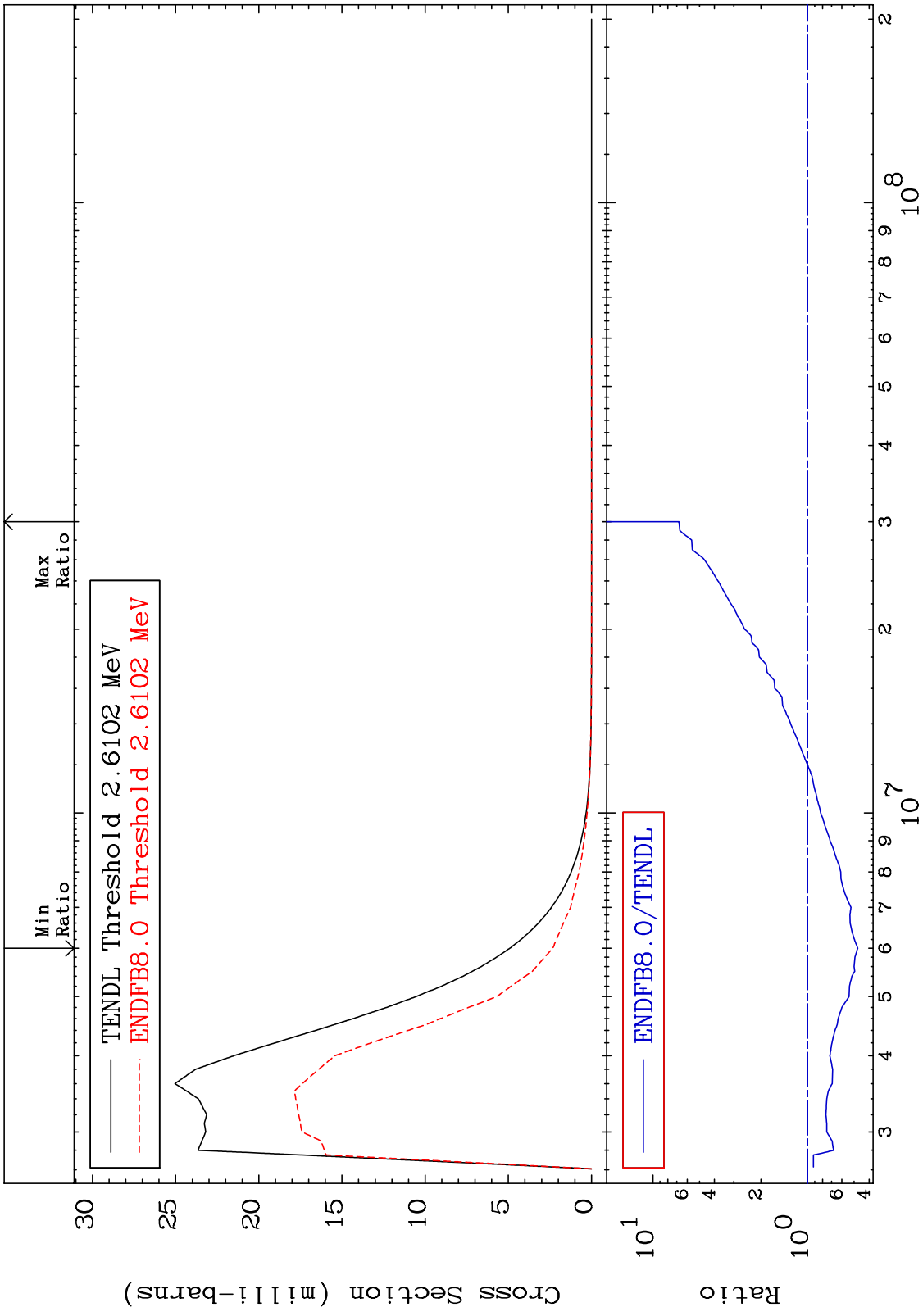


22 Incident Energy (eV) 25-Mn-55

MAT 2525 MT= 68 (n,n') Level Cross Section 25-Mn-55 70.66 To 9999. %

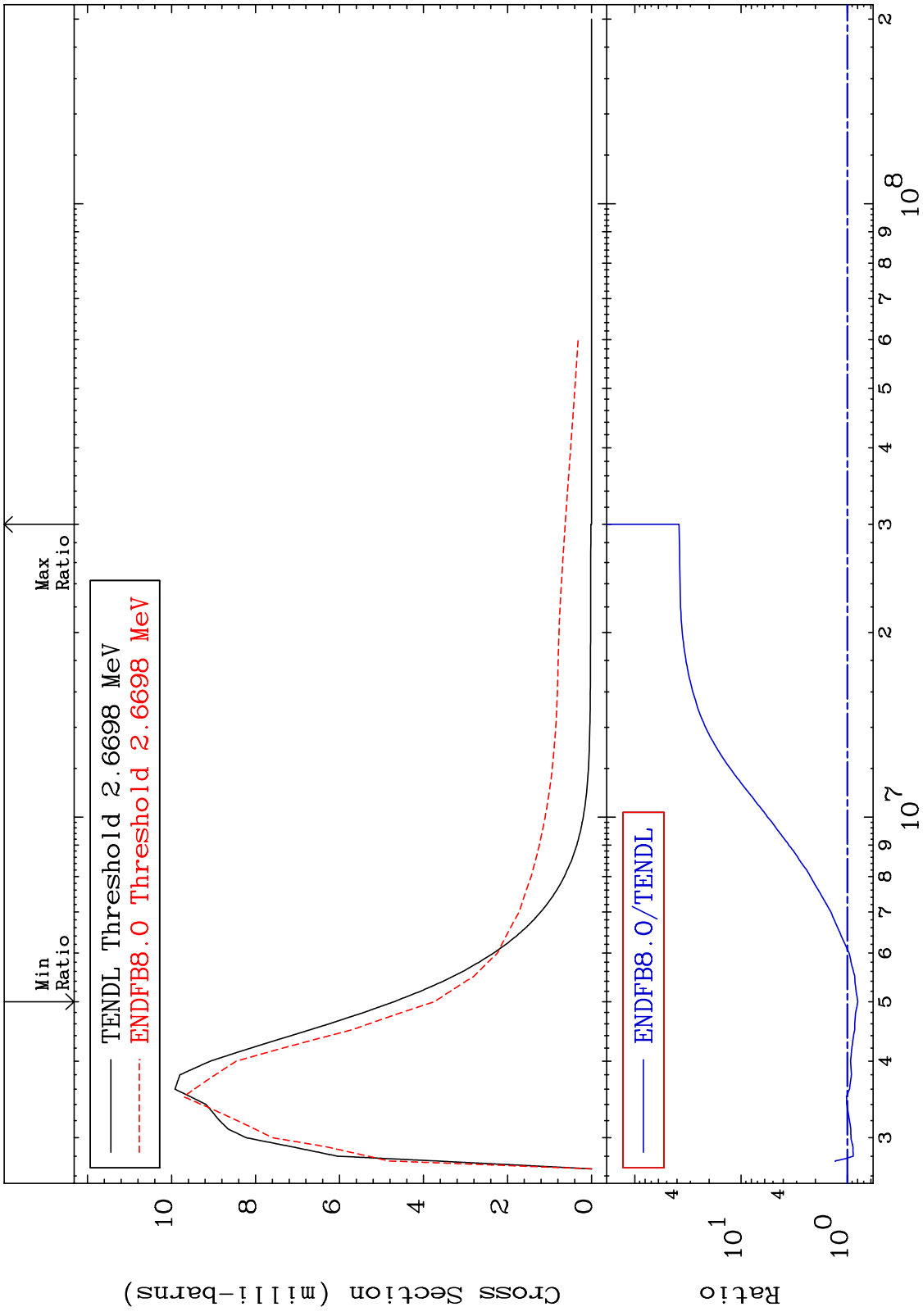


MAT 2525 MT= 69 (n,n') Level Cross Section 25-Mn-55 -52.68 To 577.7 %

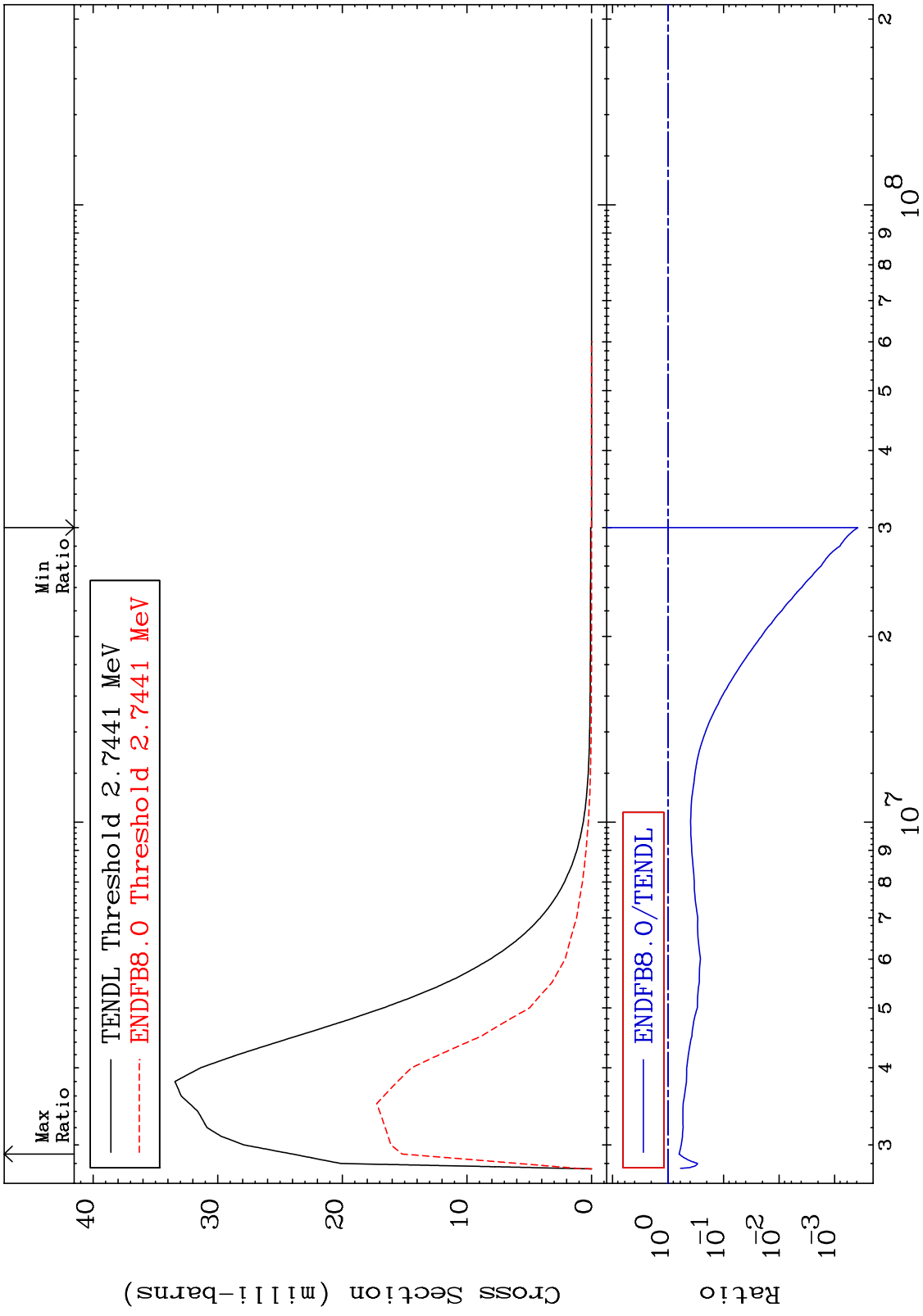


25 Incident Energy (eV) 25-Mn-55

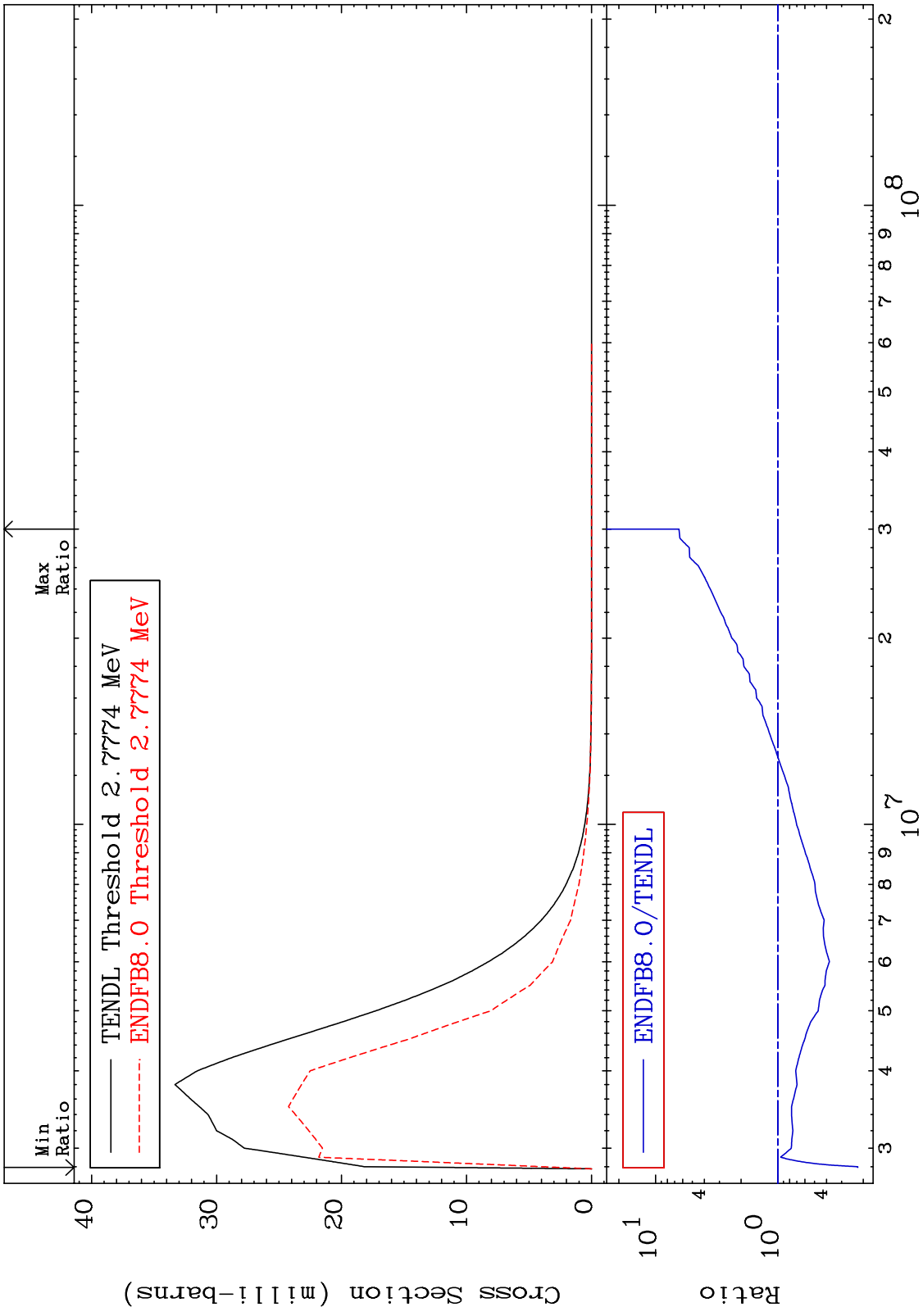
MAT 2525 MT= 71 (n,n') Level Cross Section -20.45 To 3736. % 25-Mn-55



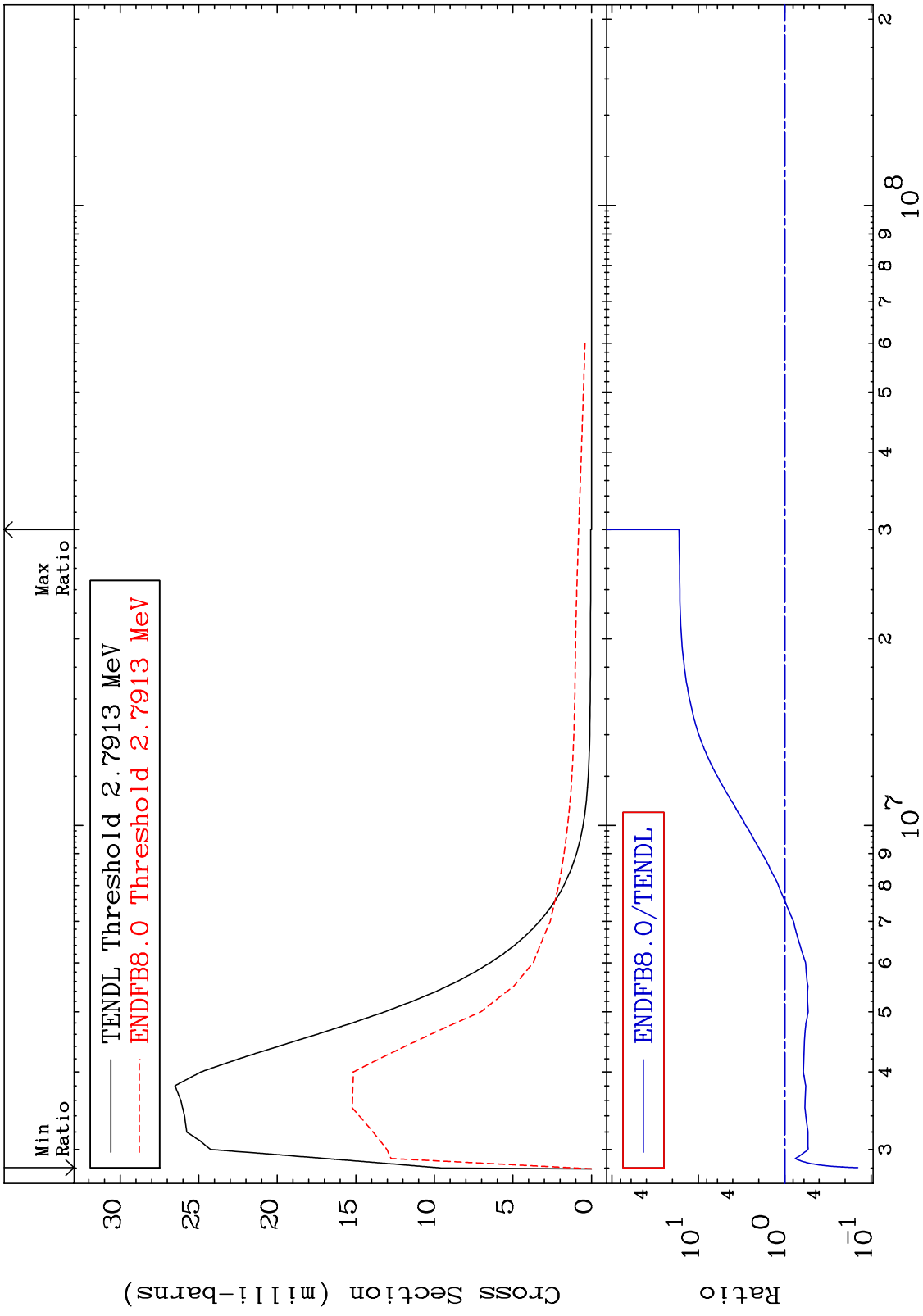
MAT 2525 MT= 72 (n,n') Level Cross Section 25-Mn-55
 -99.96 To -36.71%



MAT 2525 MT= 73 (n,n') Level Cross Section 25-Mn-55
 -77.87 To 543.2 %

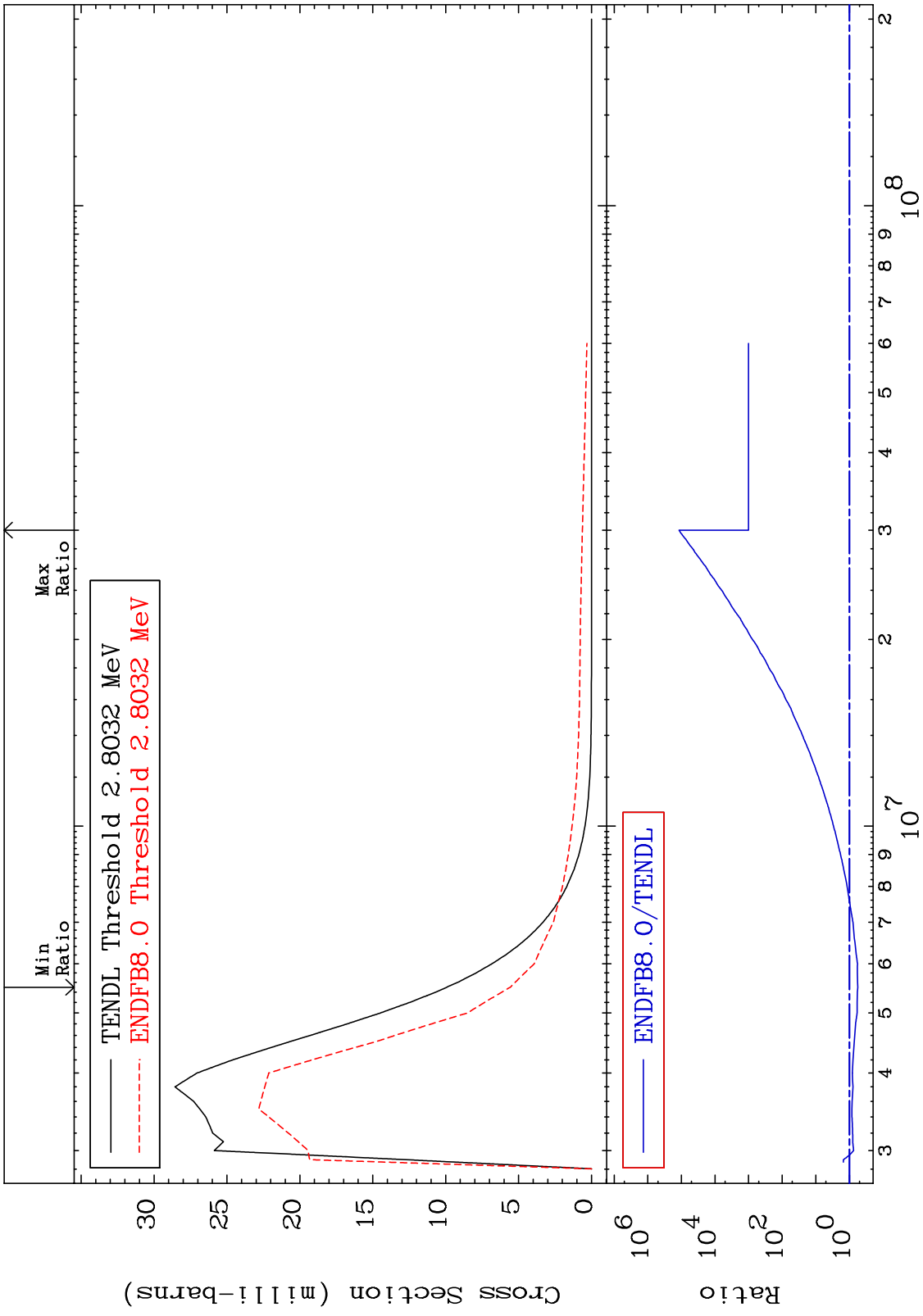


MAT 2525 MT= 74 (n,n') Level 25-Mn-55
 Cross Section -85.73 To 1572. %

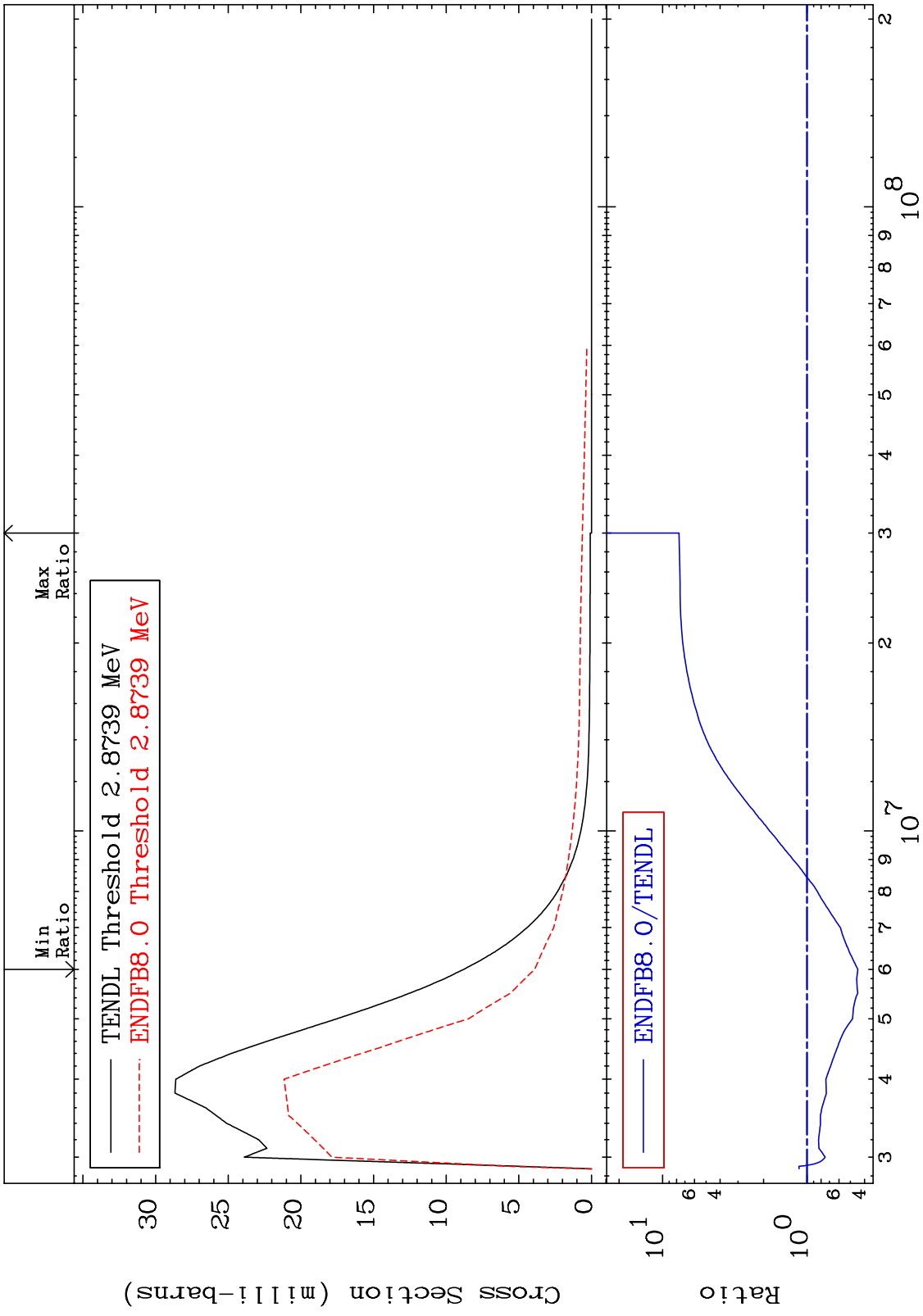


30 Incident Energy (eV) 25-Mn-55

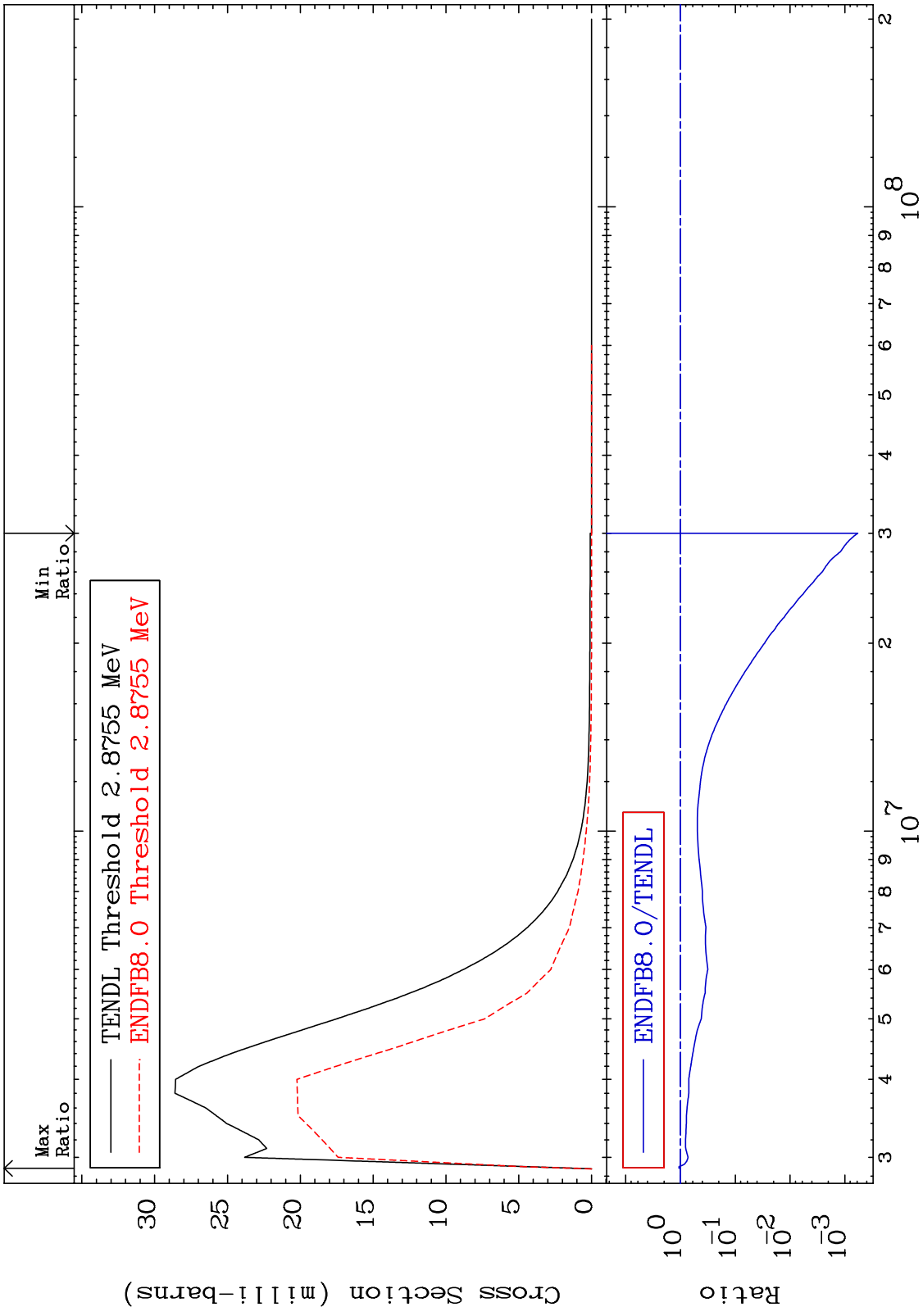
MAT 2525 MT= 75 (n,n') Level Cross Section 25-Mn-55
 -43.90 To 9999. %



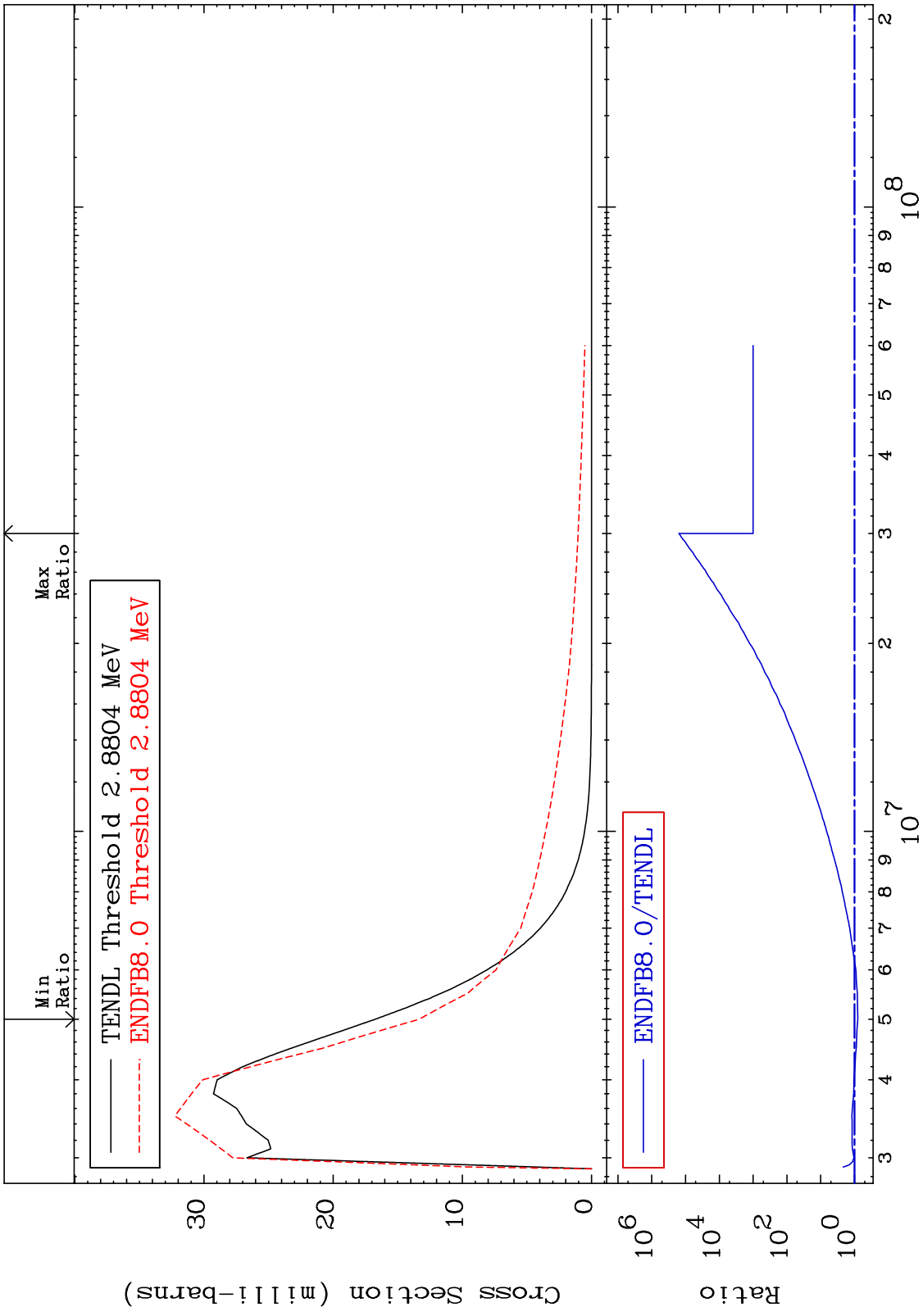
MAT 2525 MT= 76 (n,n') Level Cross Section 25-Mn-55
 -55.54 To 668.2 %



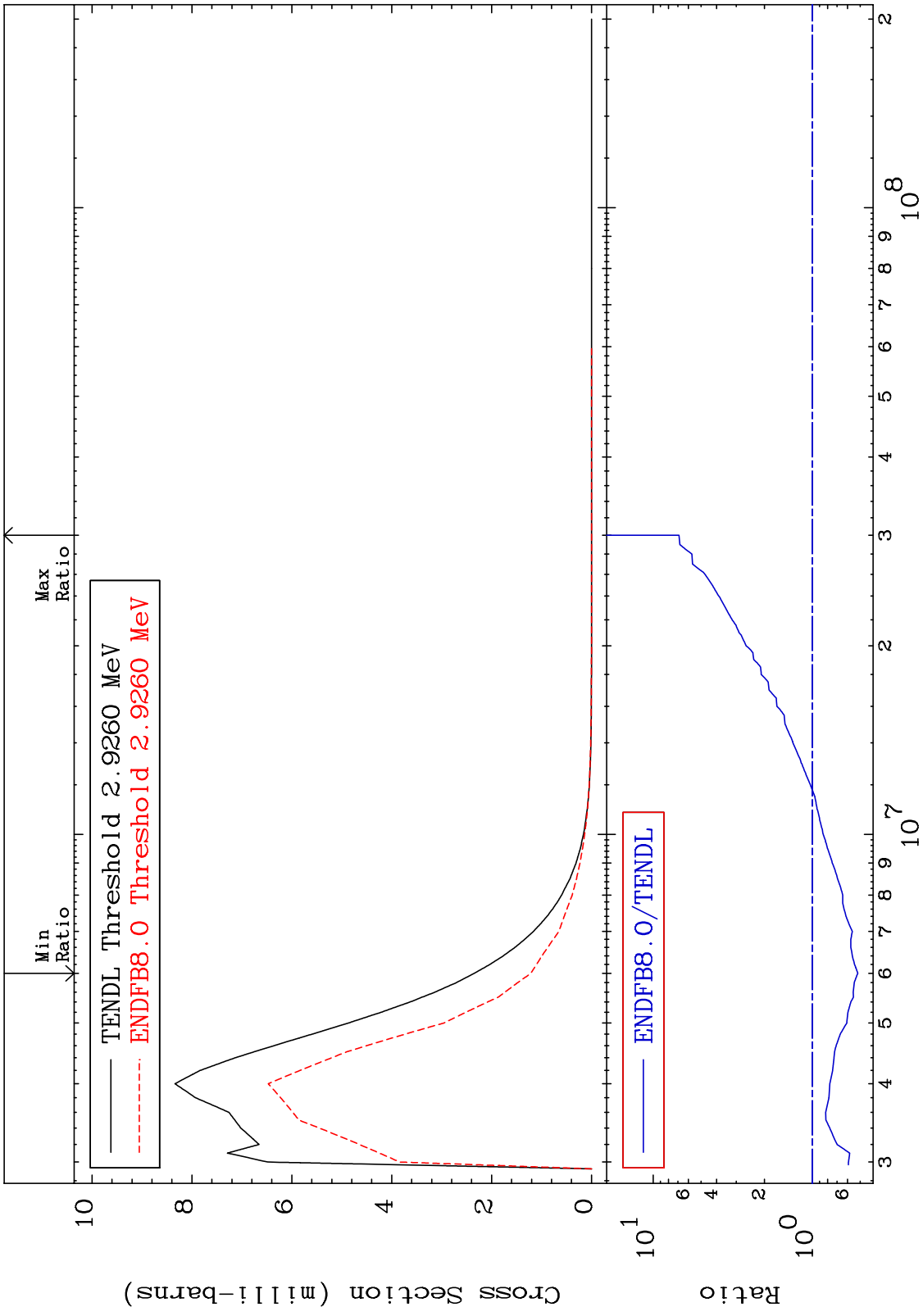
MAT 2525 MT= 77 (n,n') Level Cross Section 25-Mn-55 -99.94 To 6.327 %



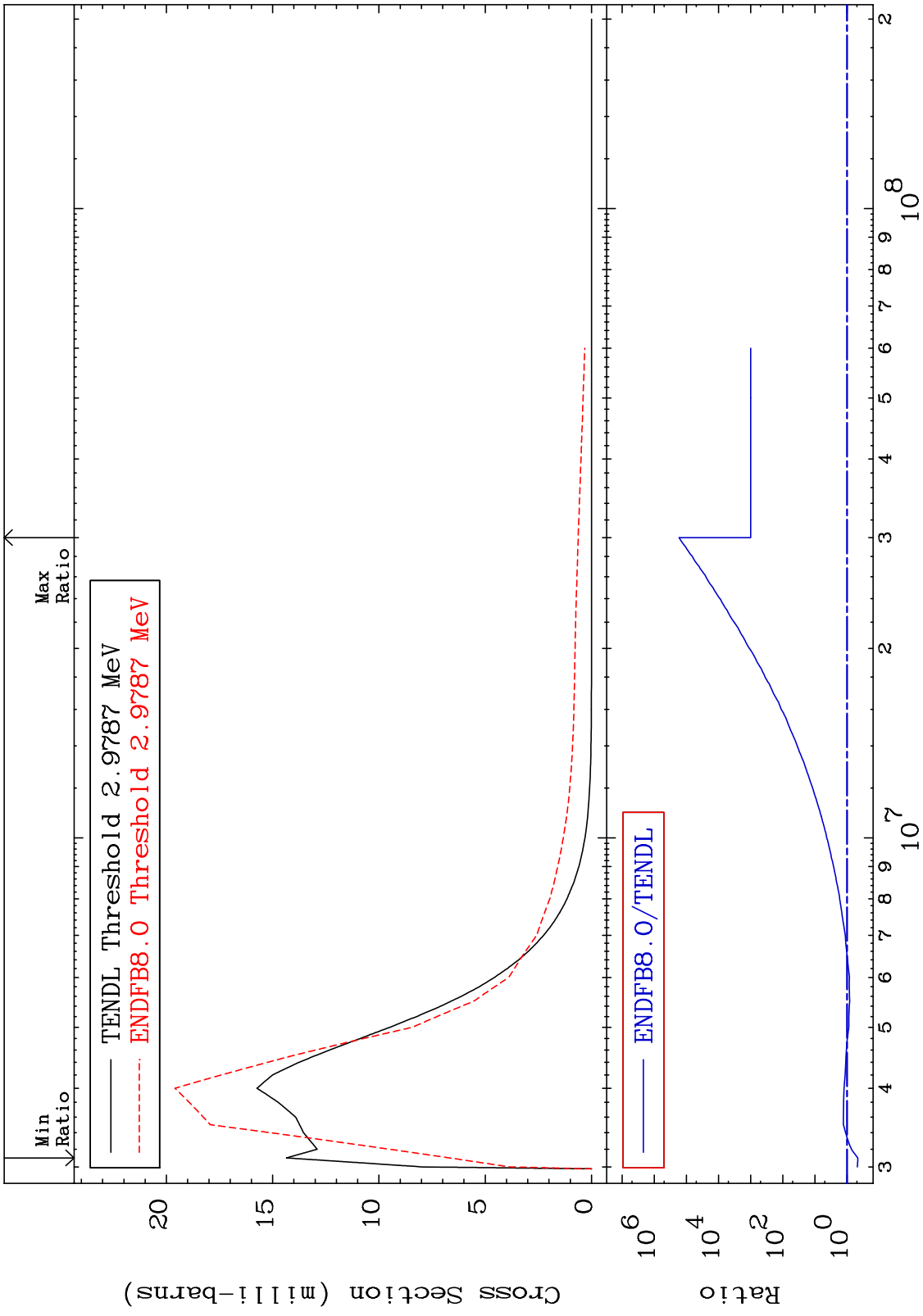
MAT 2525 MT= 78 (n,n') Level Cross Section 25-Mn-55
 -20.29 To 9999. %

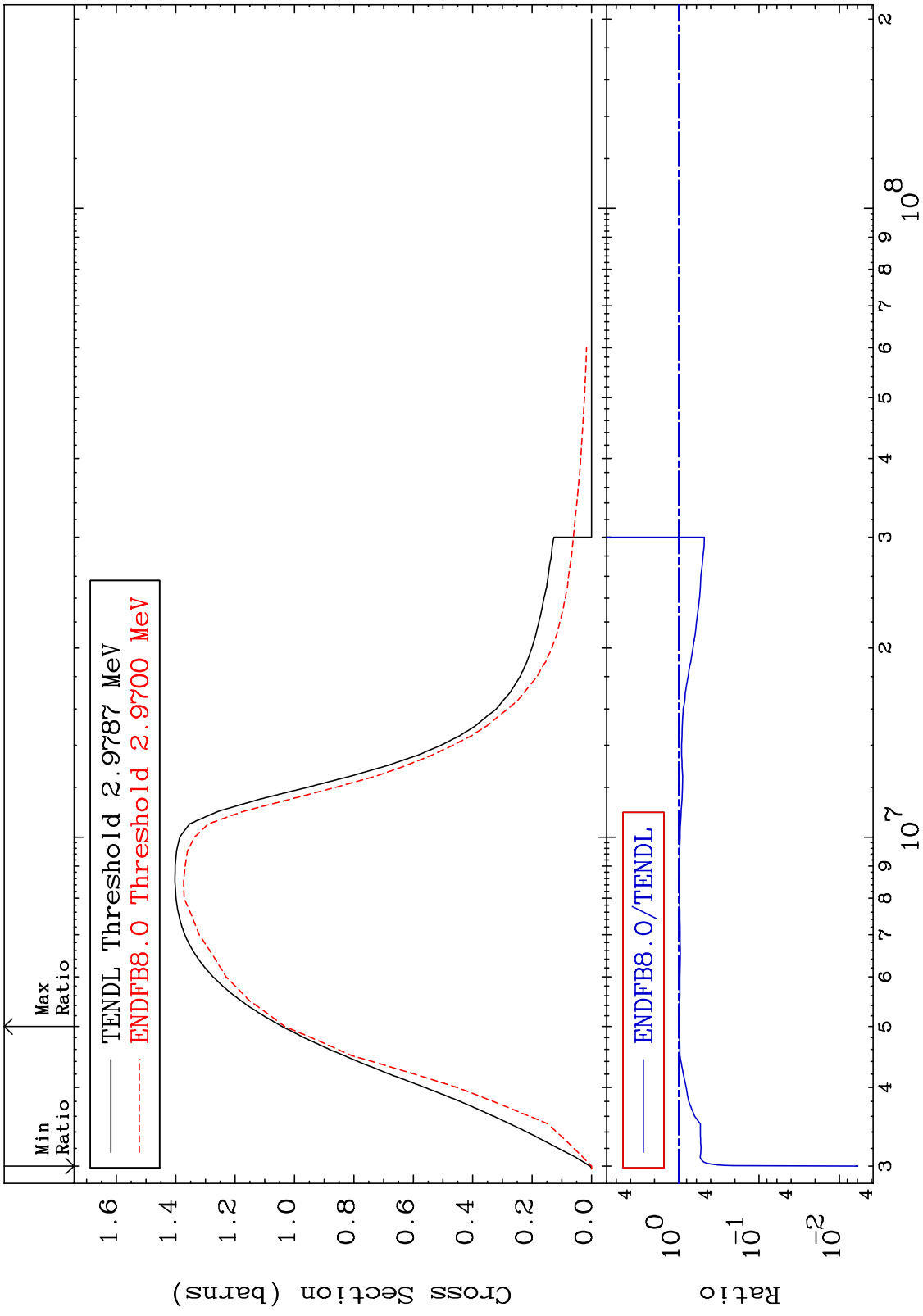


MAT 2525 MT= 79 (n,n') Level Cross Section 25-Mn-55
 -48.27 To 587.5 %

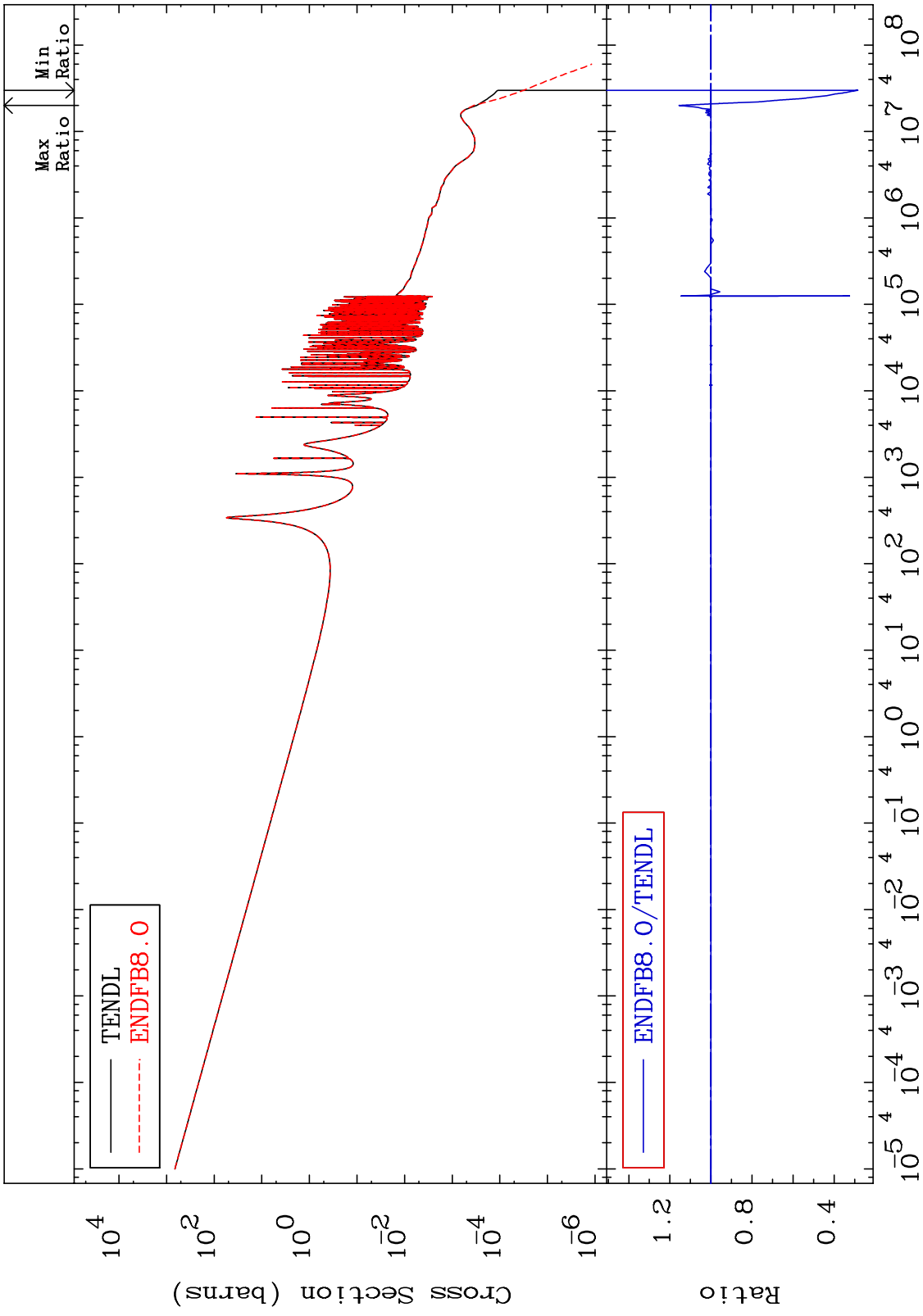


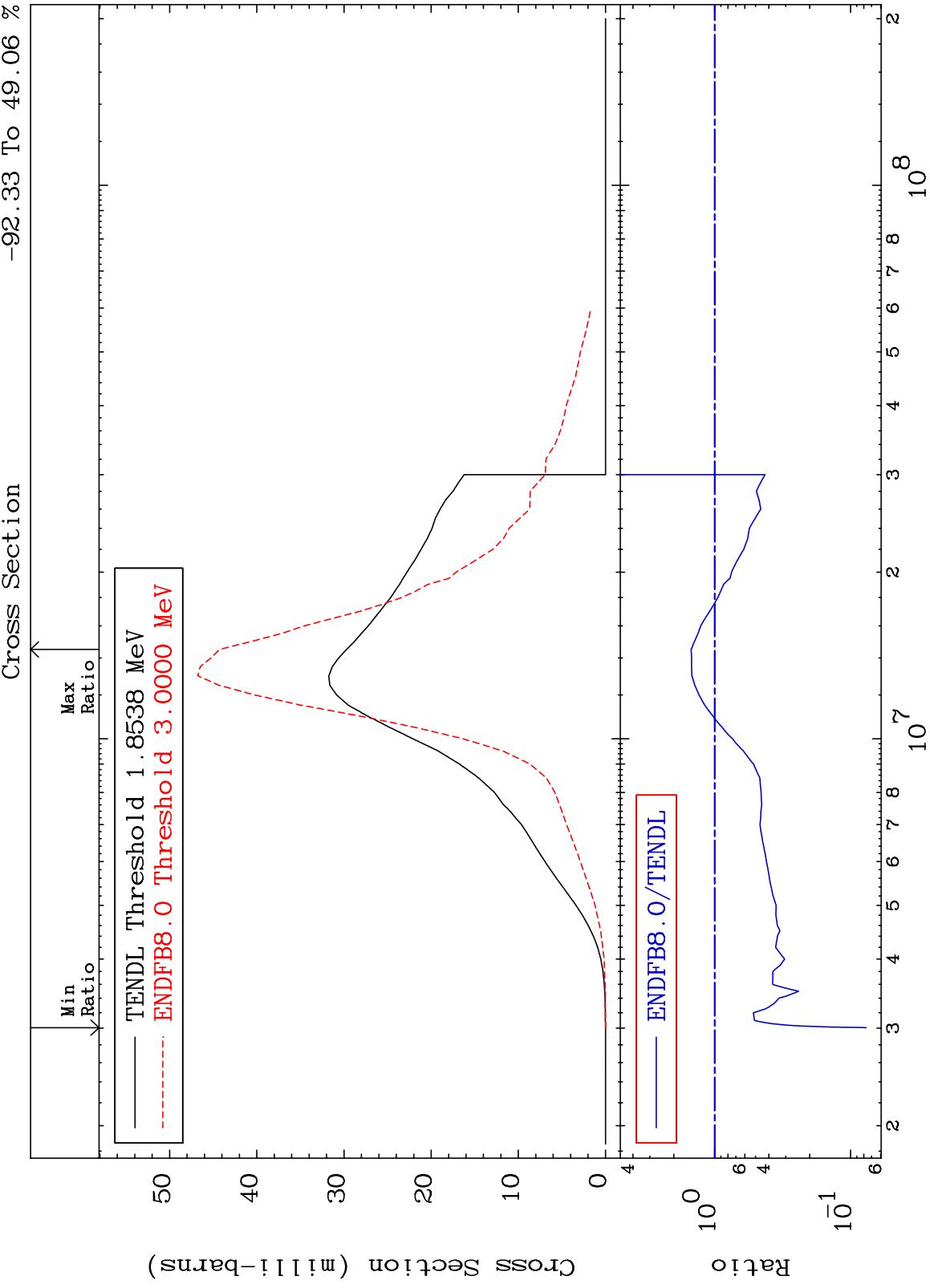
MAT 2525 MT= 80 (n,n') Level Cross Section -53.45 To 9999. % 25-Mn-55



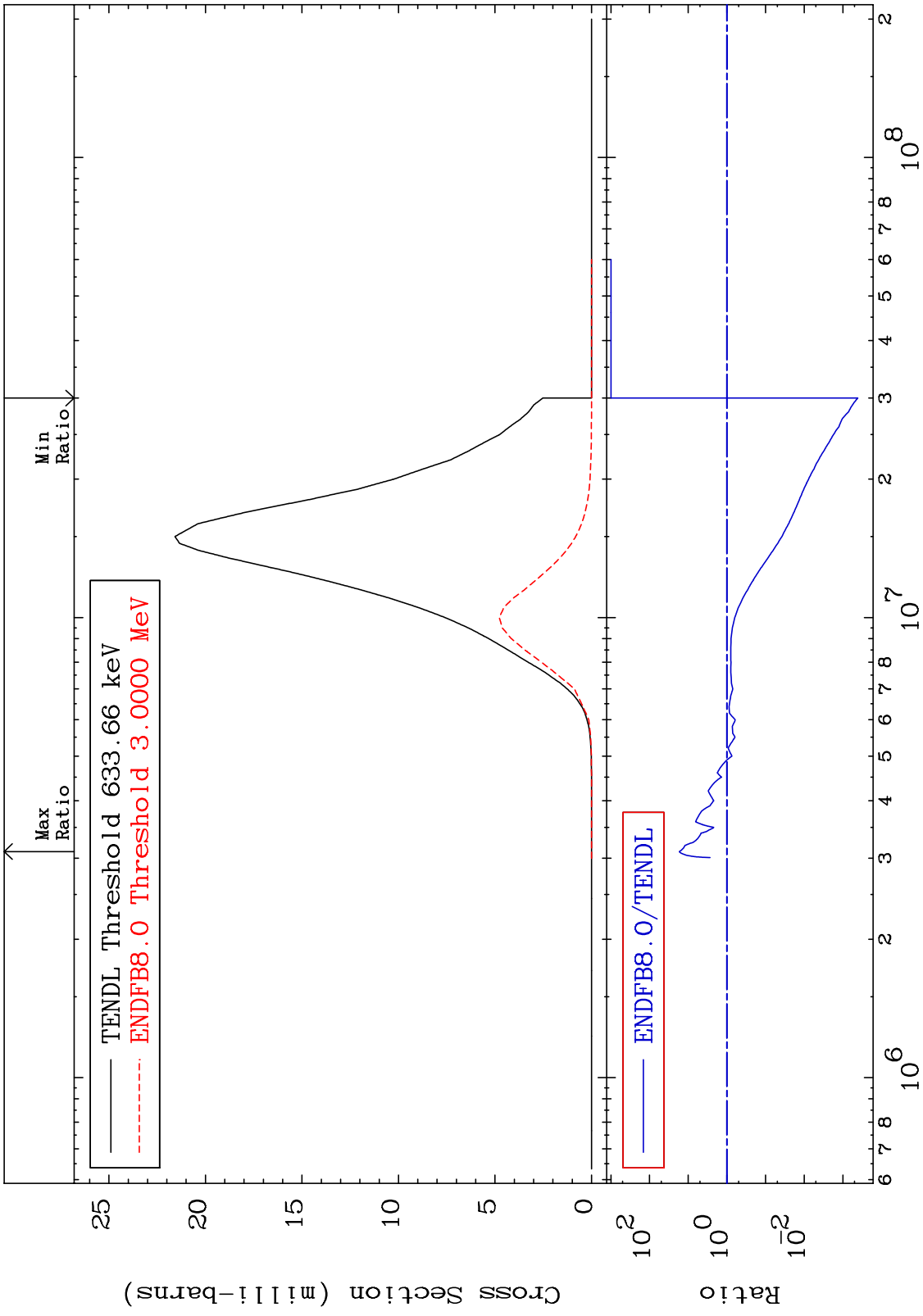


MAT 2525 (n, γ) 25-Mn-55
Cross Section -71.55 To 15.53 %

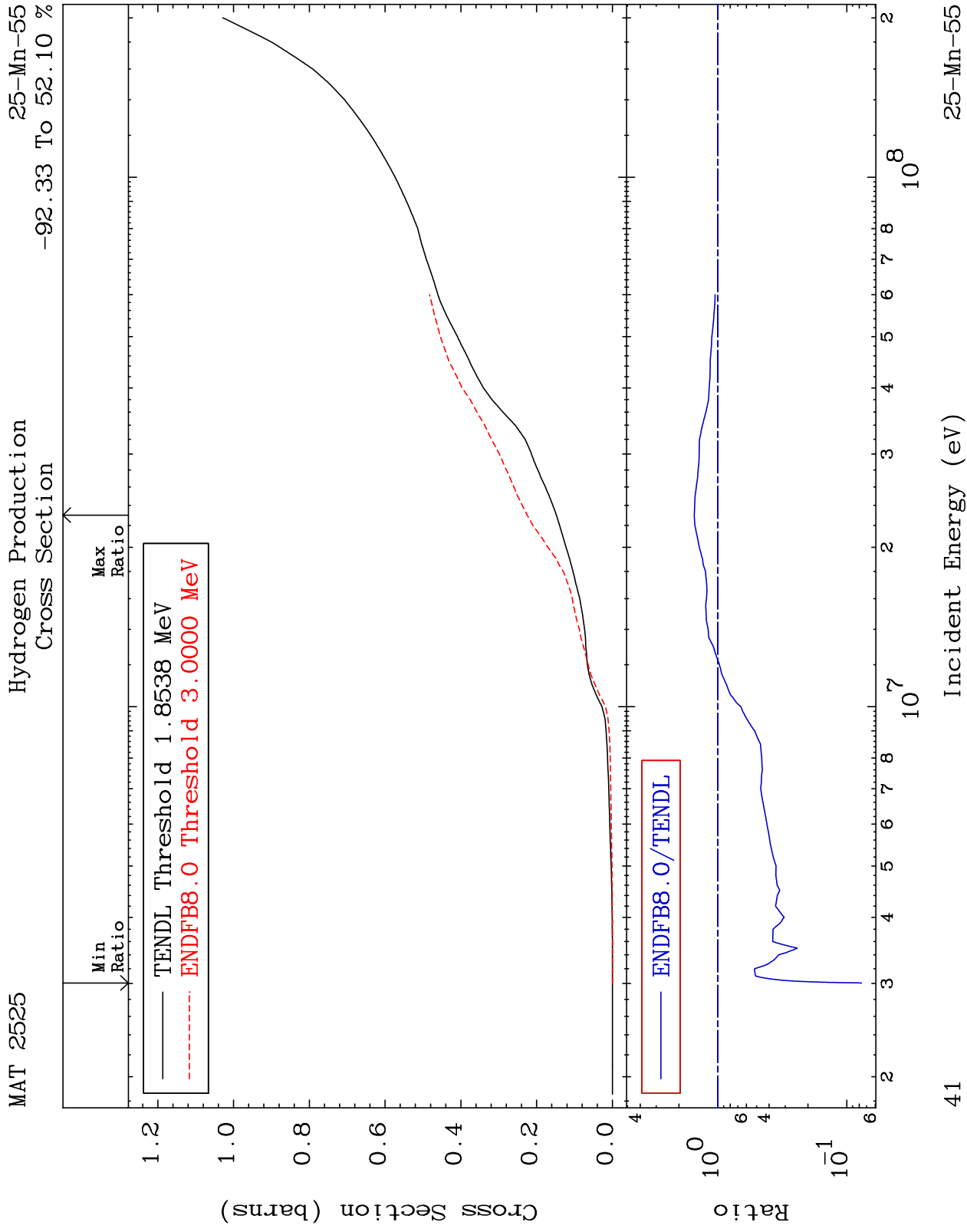




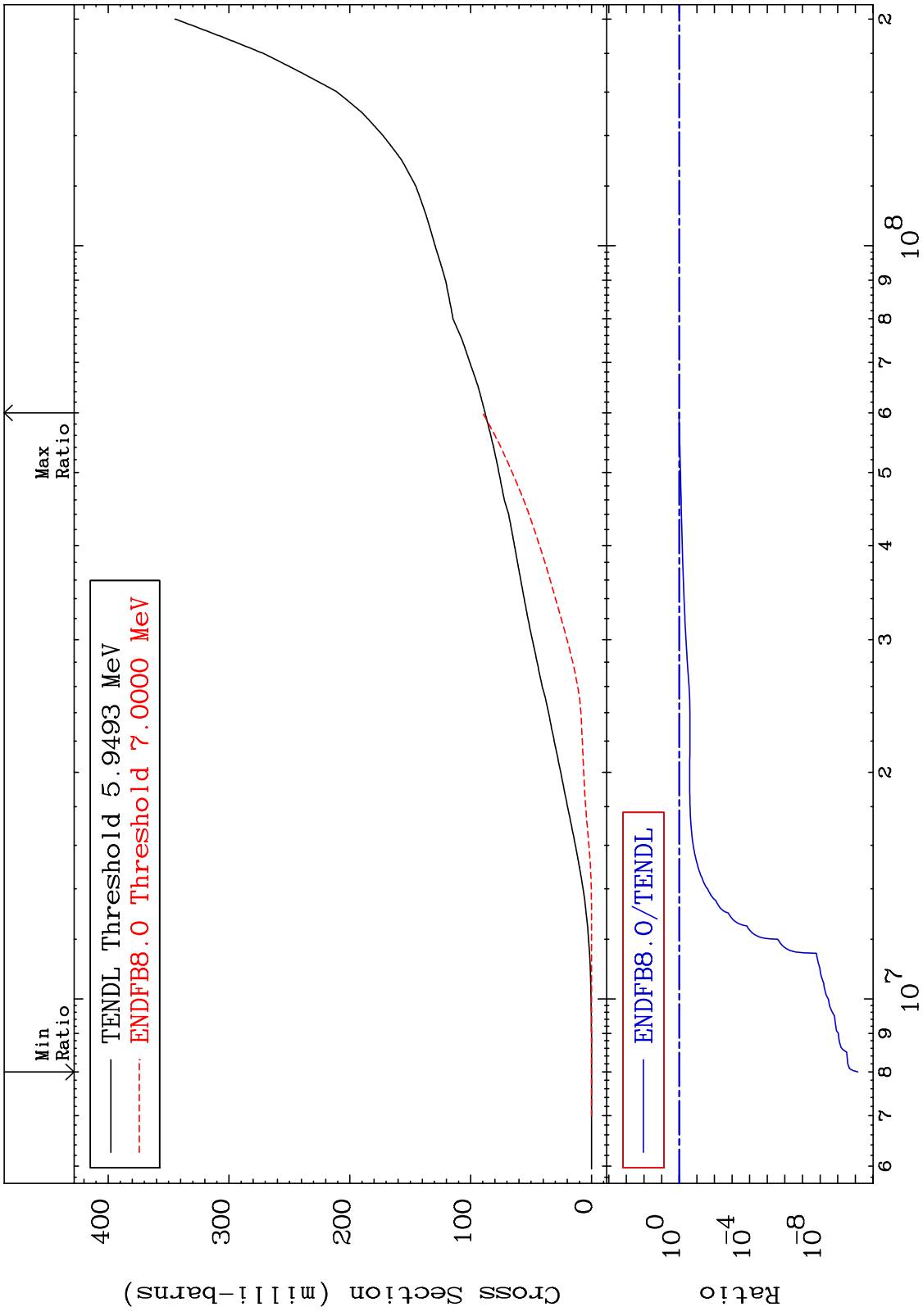
MAT 2525 (n, α) Cross Section 25-Mn-55 -99.96 To 1630. %



40 25-Mn-55

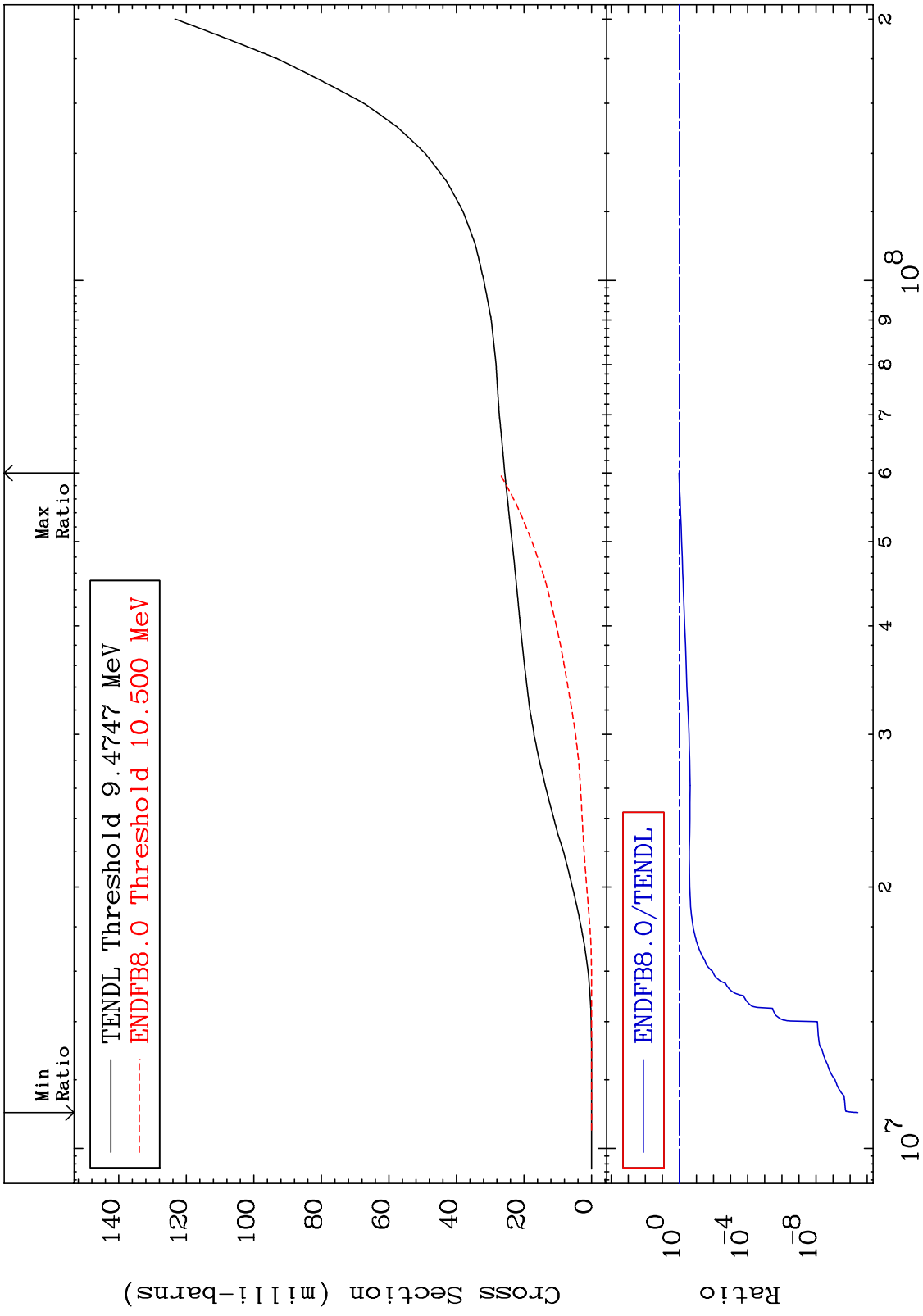


MAT 2525 Deuterium Production Cross Section 25-Mn-55 -100.0 To 2.295 %

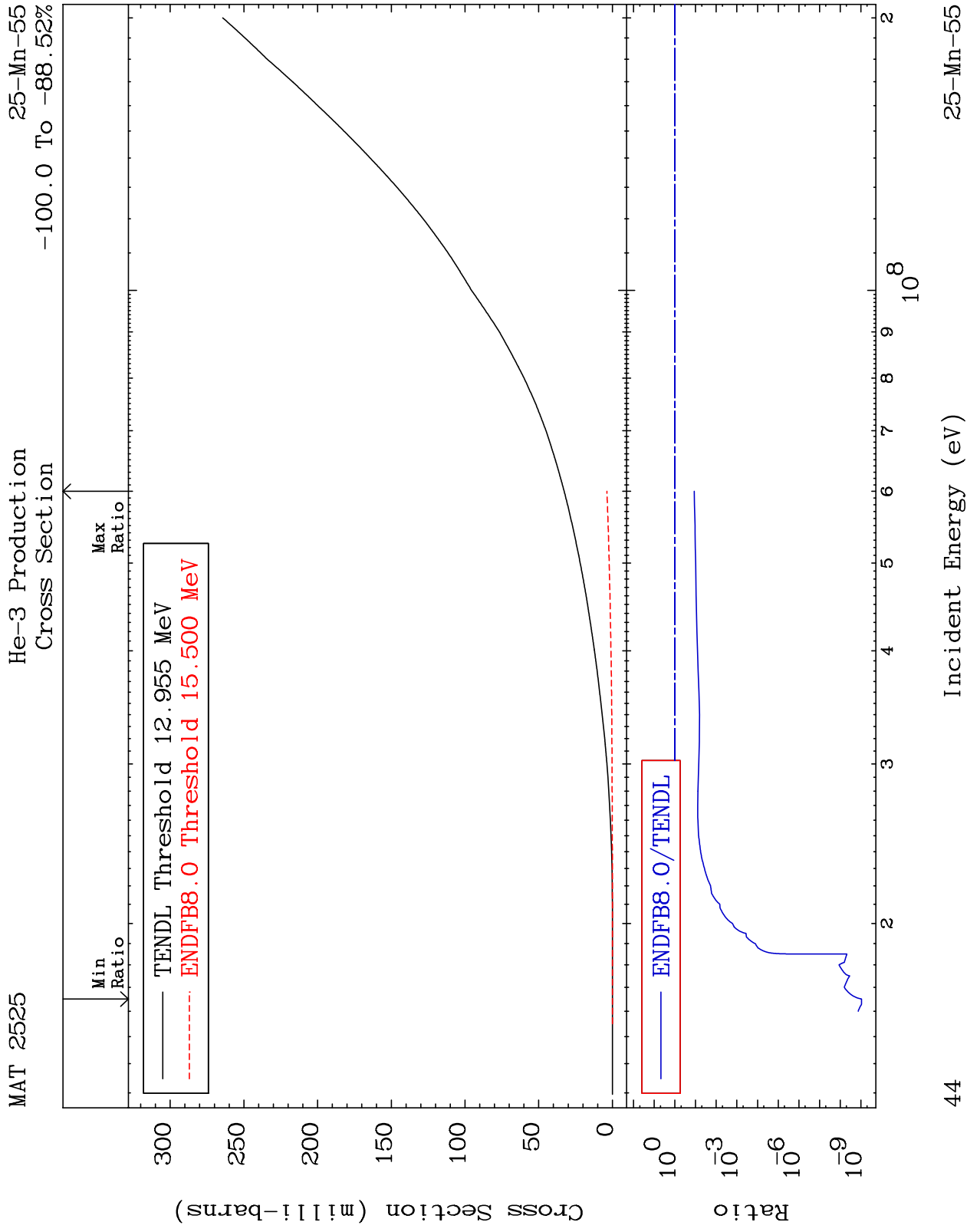


42 25-Mn-55

MAT 2525 Tritium Production Cross Section -100.0 To 6.008 % 25-Mn-55



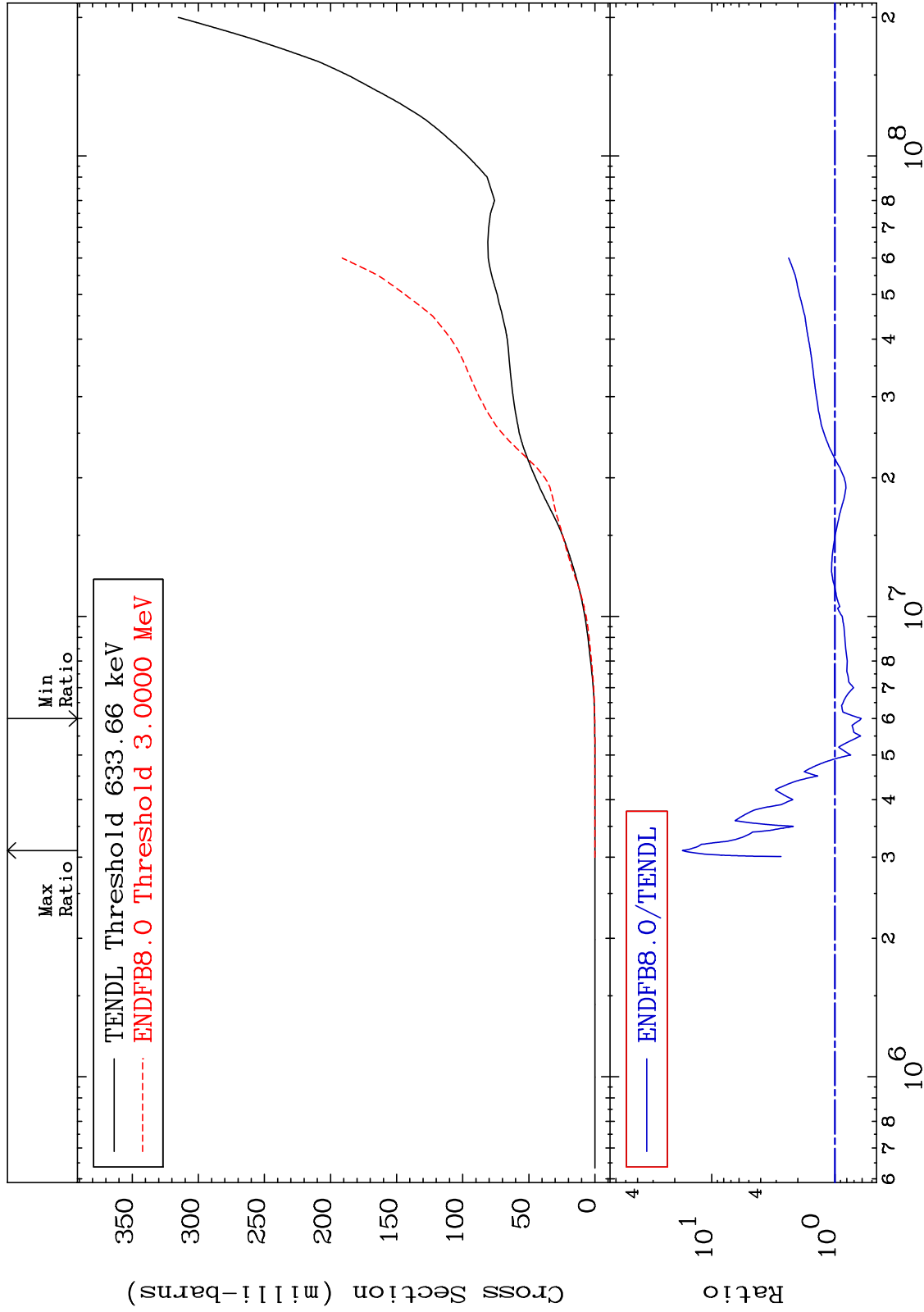
43 25-Mn-55



MAT 2525

He-4 Production
Cross Section

25-Mn-55
-38.95 To 1630. %

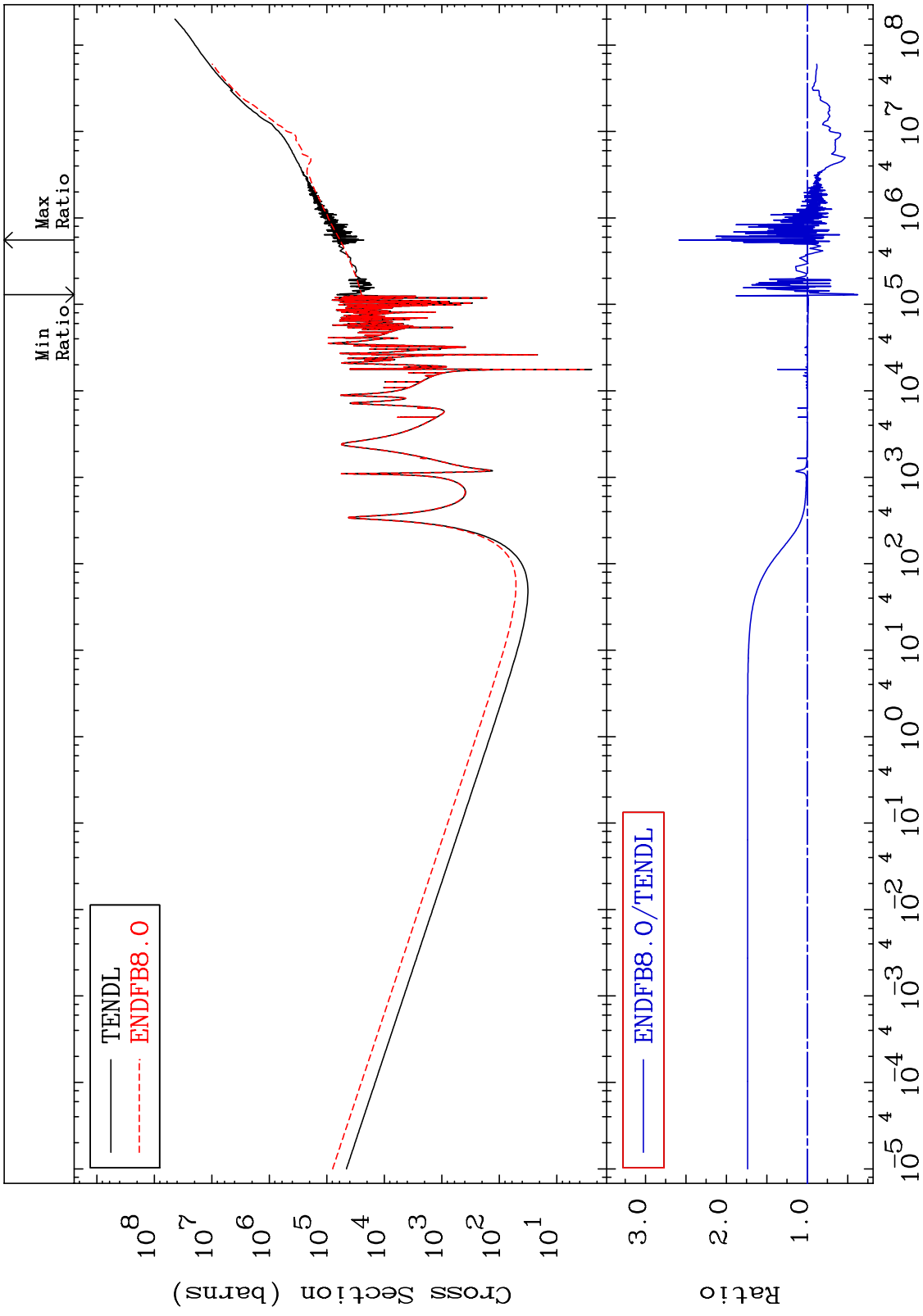


45

Incident Energy (eV)

25-Mn-55

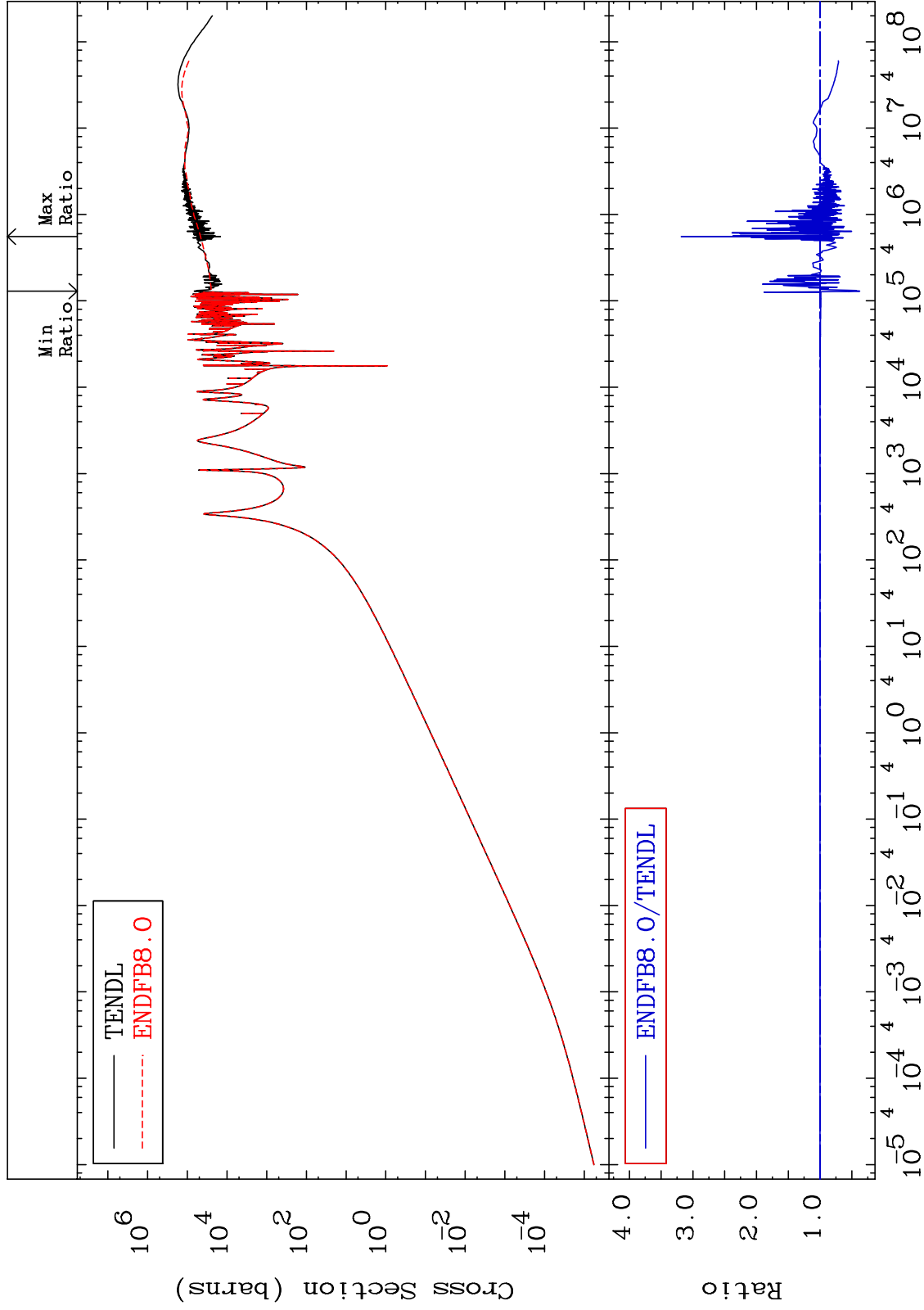
MAT 2525 Kerma total (eV-barns)
Cross Section 25-Mn-55
-62.56 To 158.5 %



MAT 2525

Kerma elastic
Cross Section

25-Mn-55
-62.47 To 218.4 %

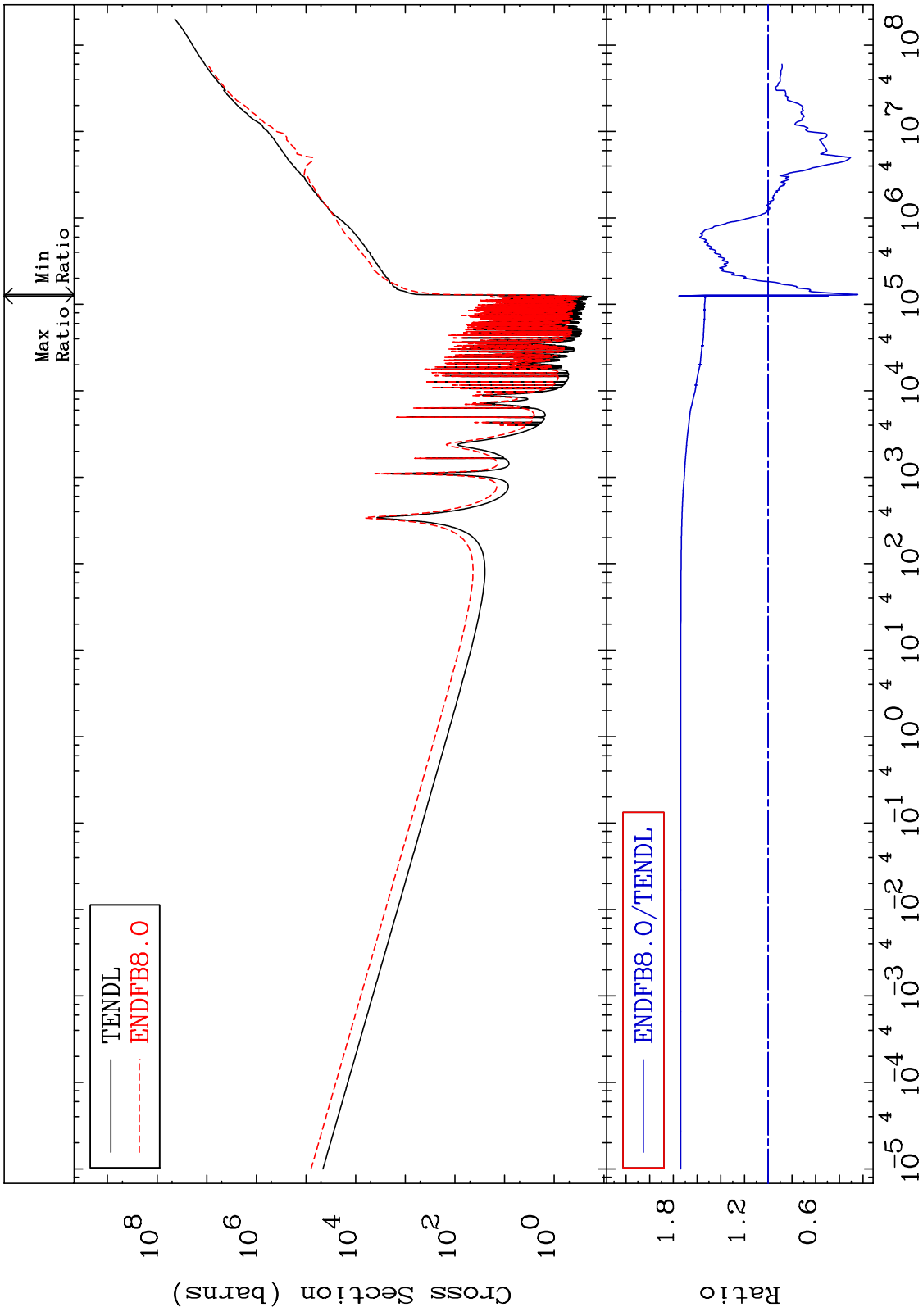


47

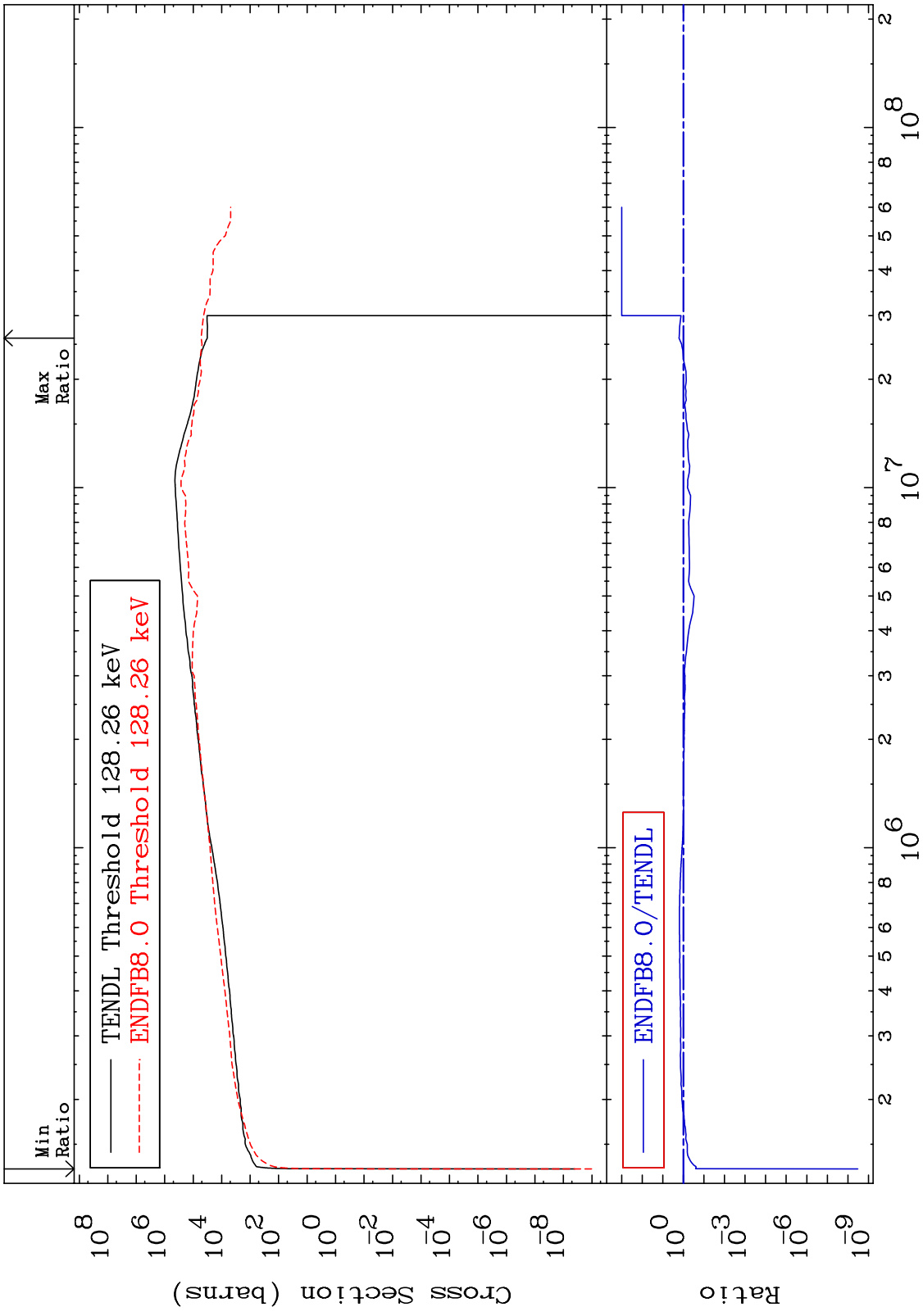
Incident Energy (eV)

25-Mn-55

MAT 2525 Kerma non-elastic (all but mt2) 25-Mn-55
 Cross Section -75.60 To 75.24 %



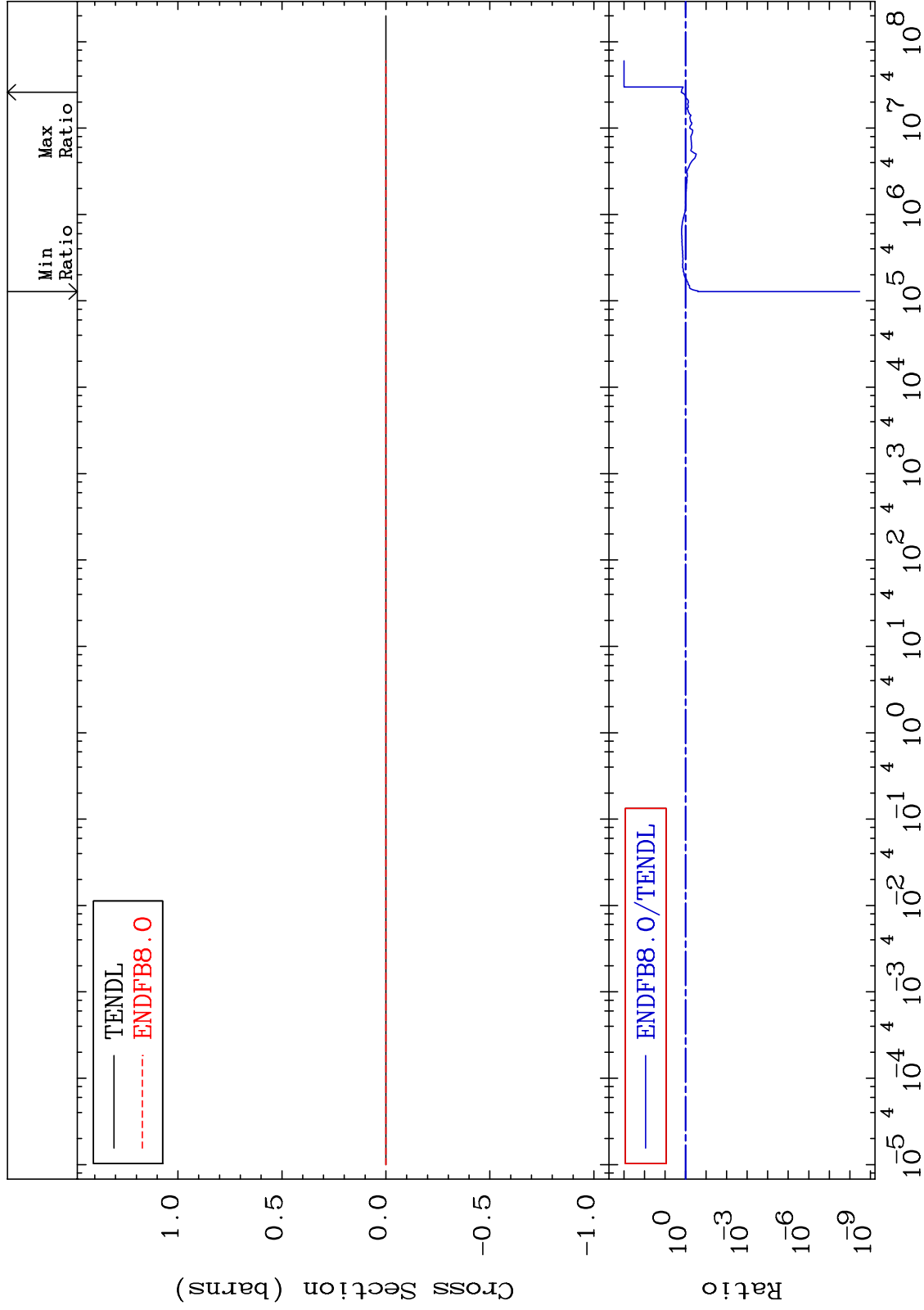
MAT 2525 Kerma inelastic (mt51-91) 25-Mn-55
 Cross Section -100.0 To 63.38 %



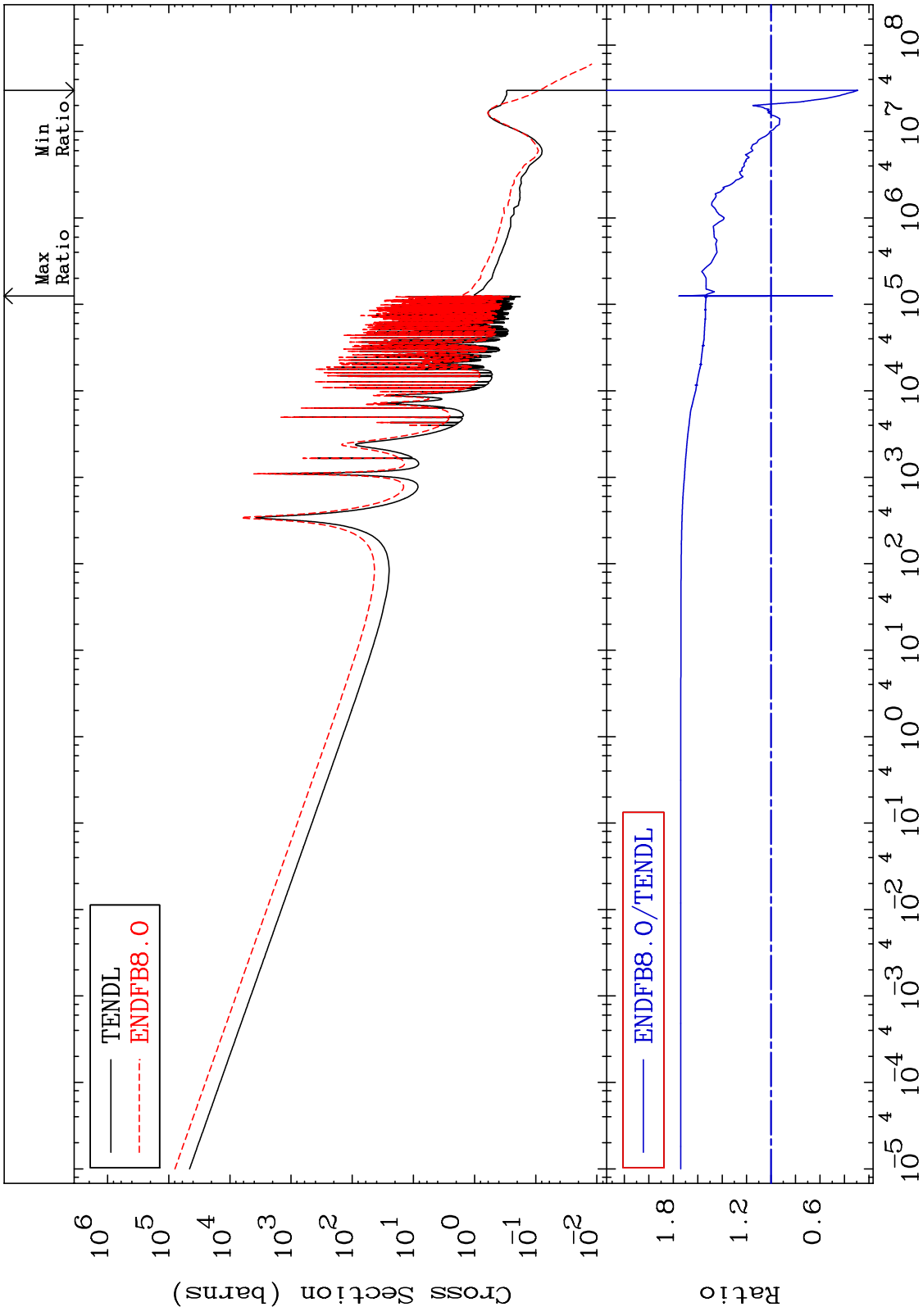
MAT 2525

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

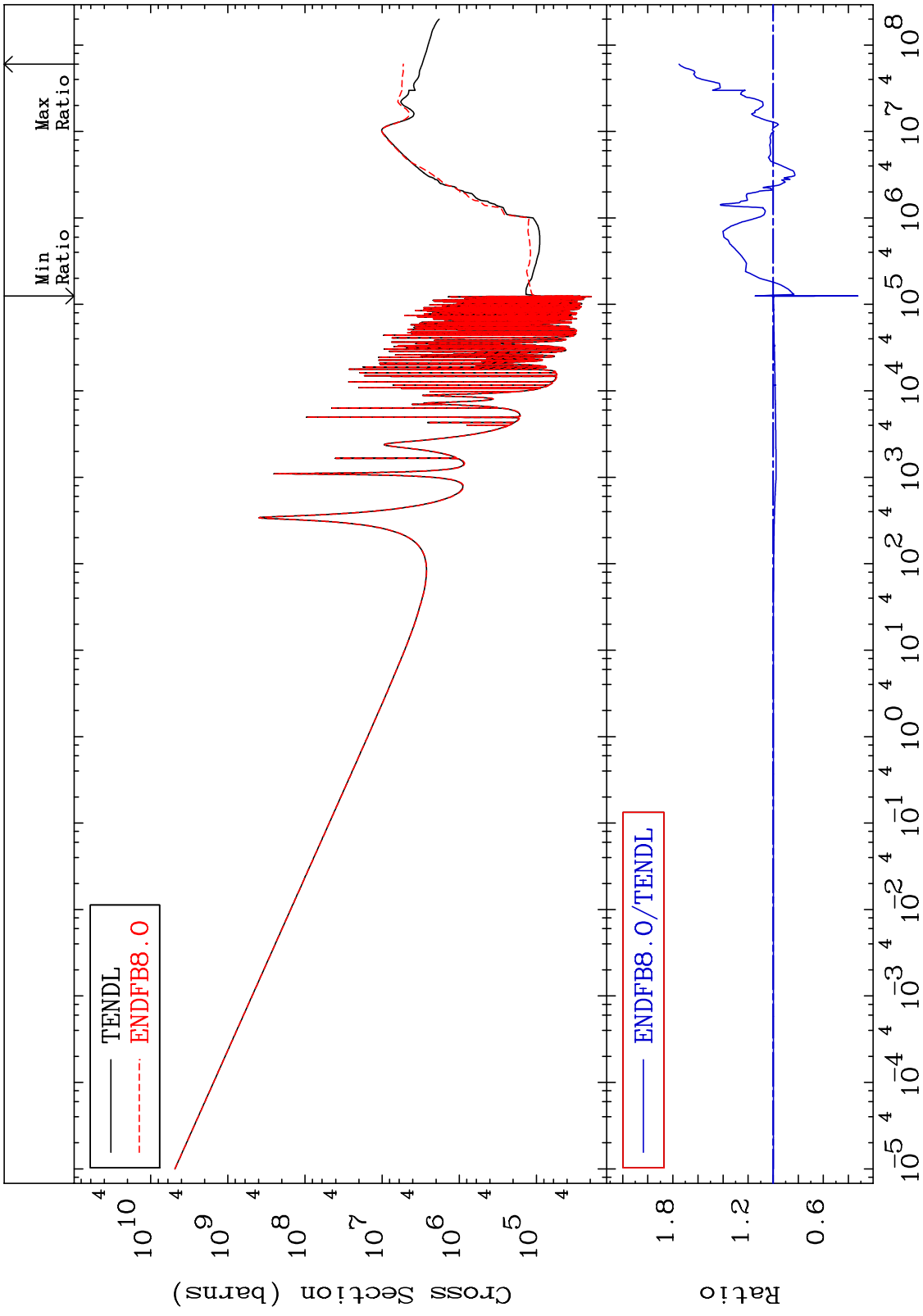
25-Mn-55
-100.0 To 63.38 %



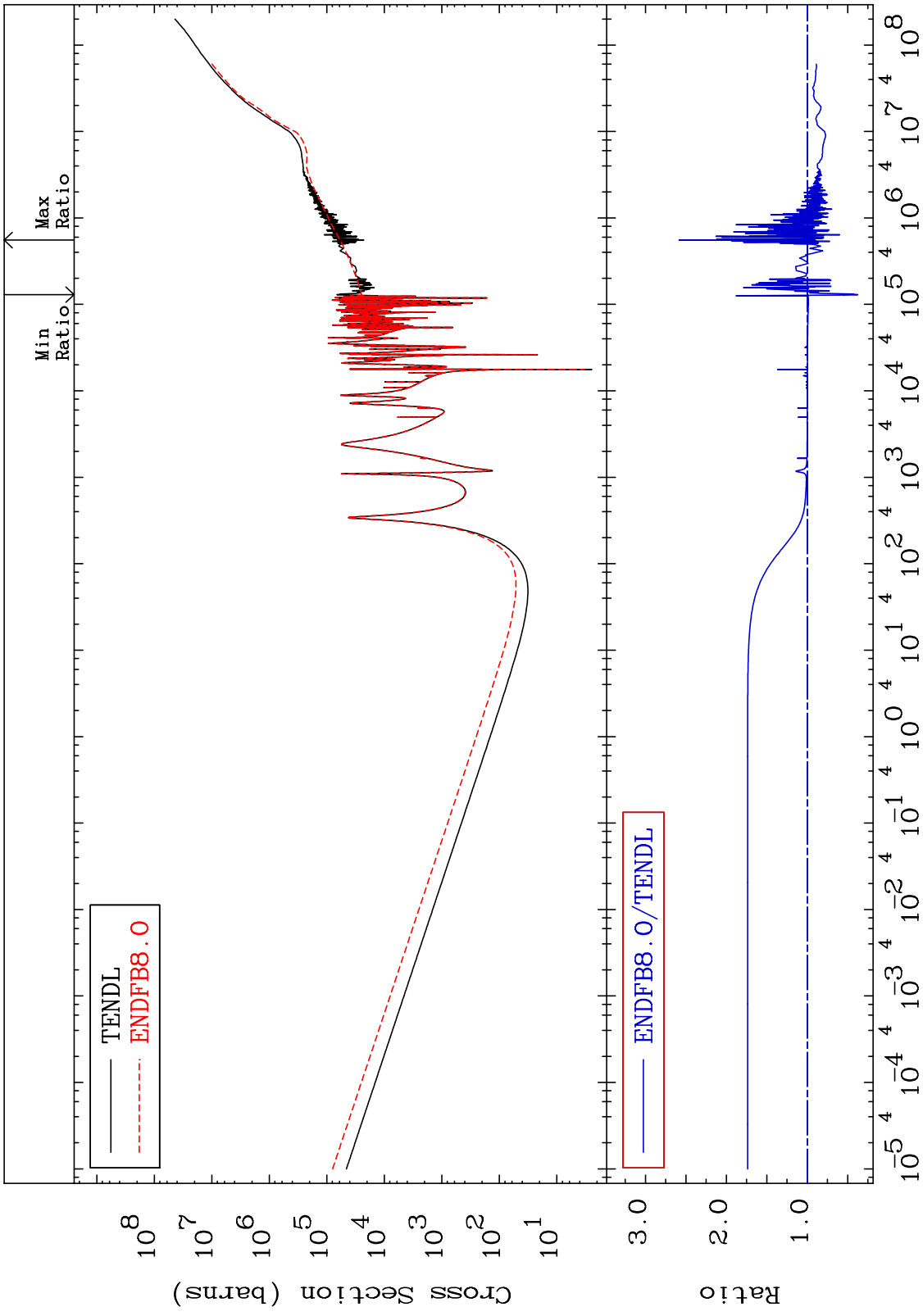
MAT 2525 Kerma capture (mt102) 25-Mn-55
 Cross Section -70.92 To 75.24 %



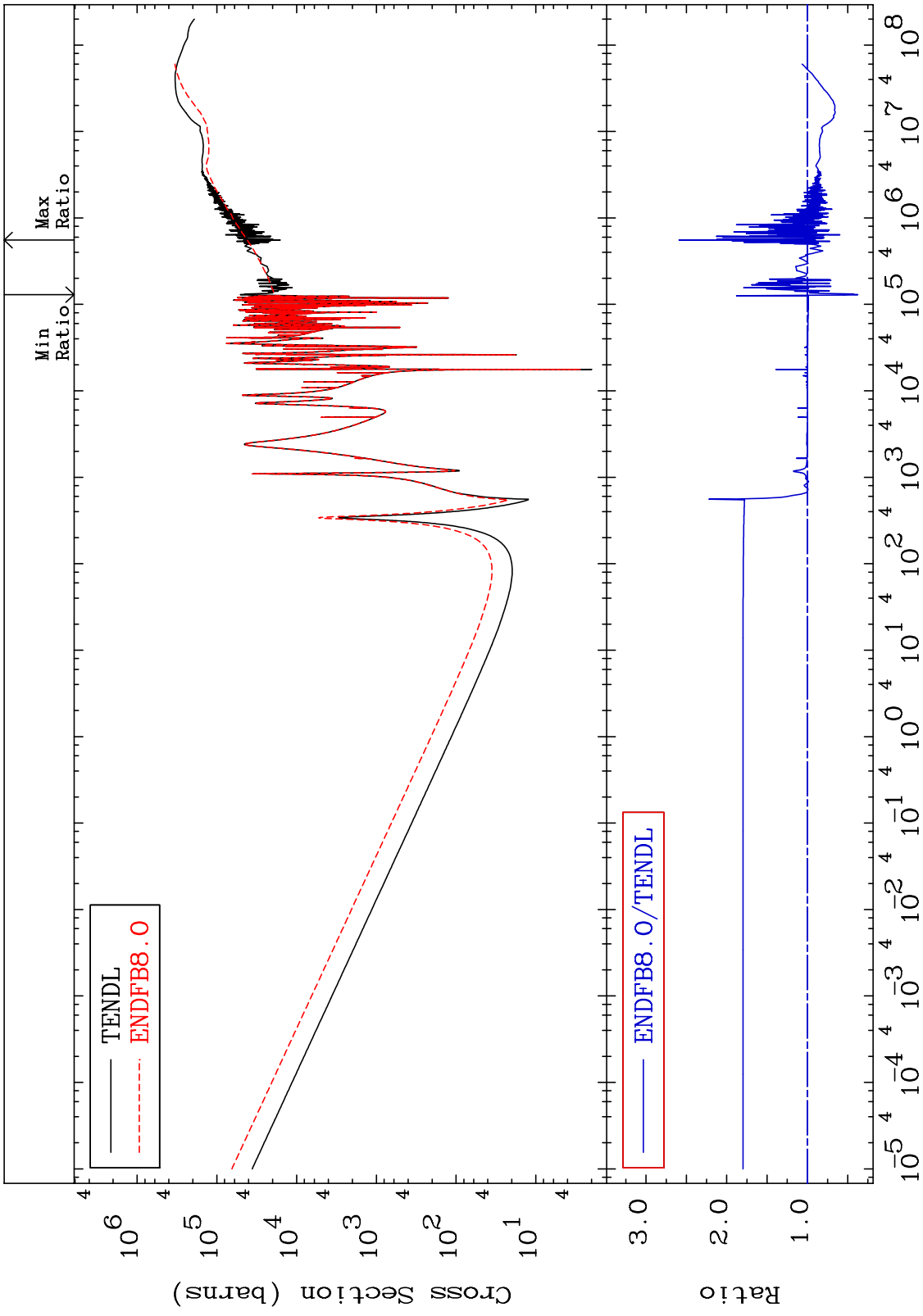
MAT 2525 Total photon (eV-barns) Cross Section 25-Mn-55
 -67.52 To 75.09 %



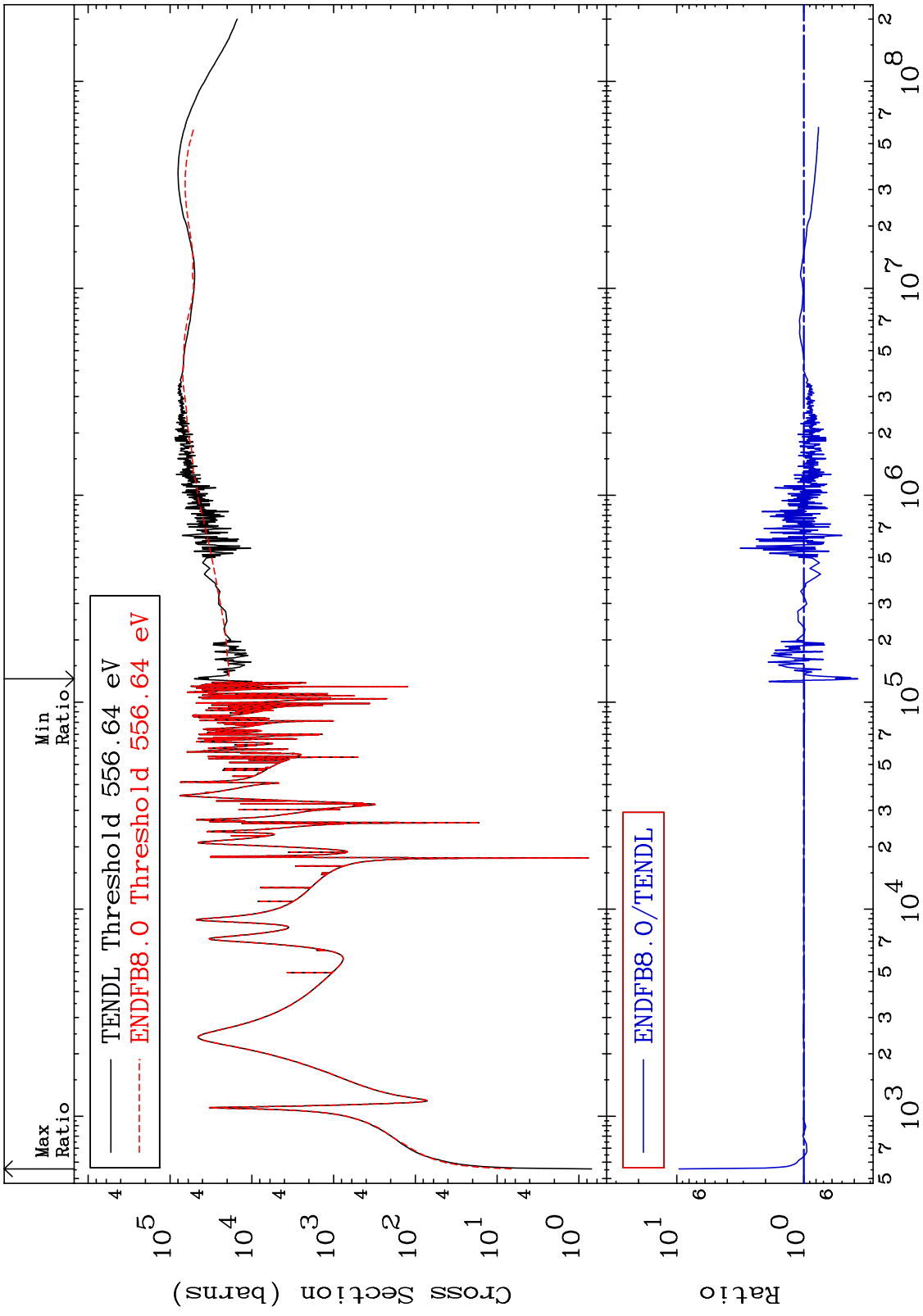
MAT 2525 Total kinematic kerma (high limit) 25-Mn-55
 Cross Section -62.56 To 158.5 %



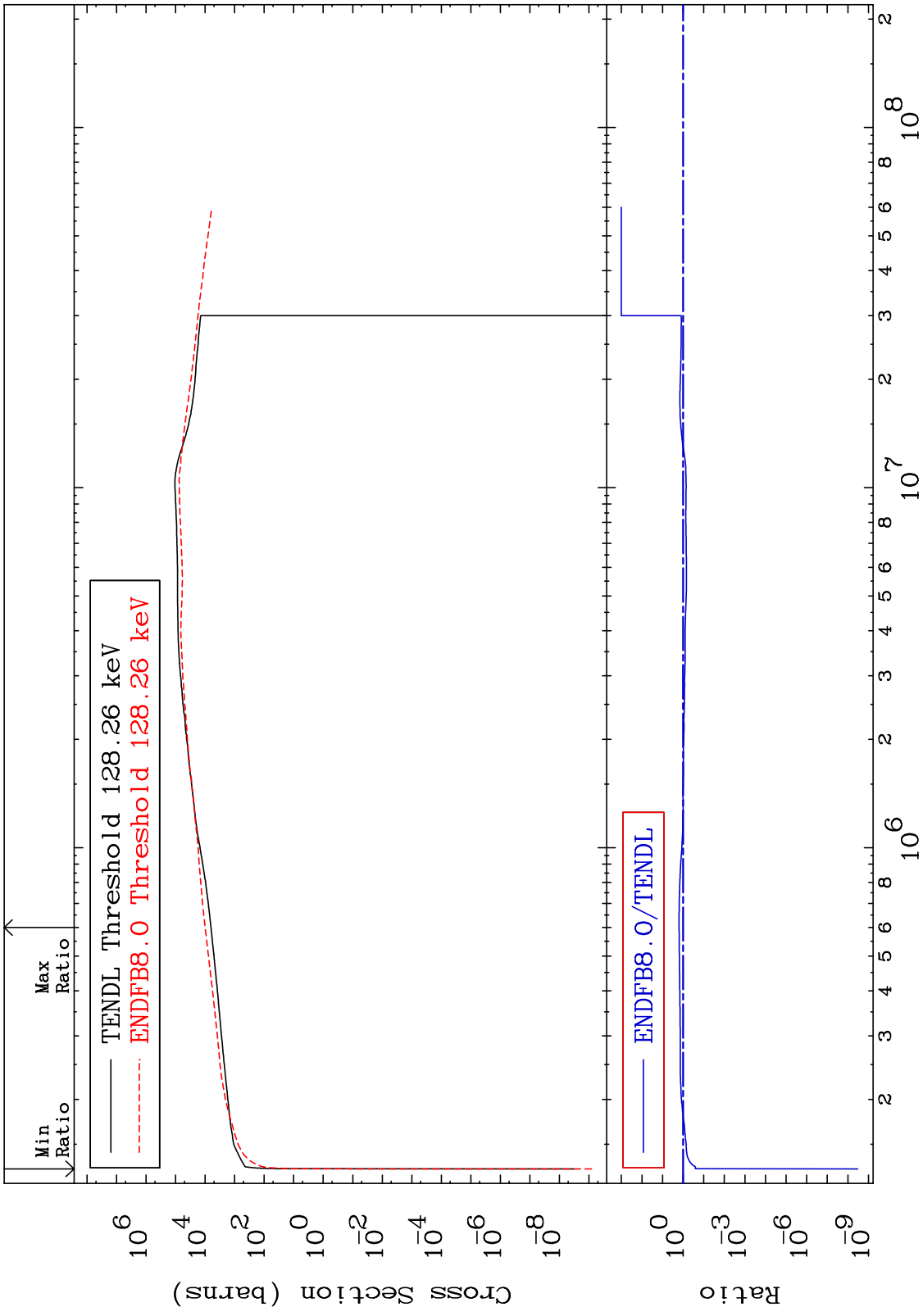
MAT 2525 Dpa total (eV-barns) 25-Mn-55
 Cross Section -62.53 To 159.1 %



MAT 2525 Dpa elastic (mt2) 25-Mn-55
 Cross Section -62.45 To 859.1 %



MAT 2525 Dpa inelastic (mt51-91) 25-Mn-55
 Cross Section -100.0 To 58.05 %



56 Incident Energy (eV) 25-Mn-55

MAT 2525

Dpa disappearance (mt102 -120)
Cross Section

25-Mn-55
-89.52 To 79.98 %

