

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

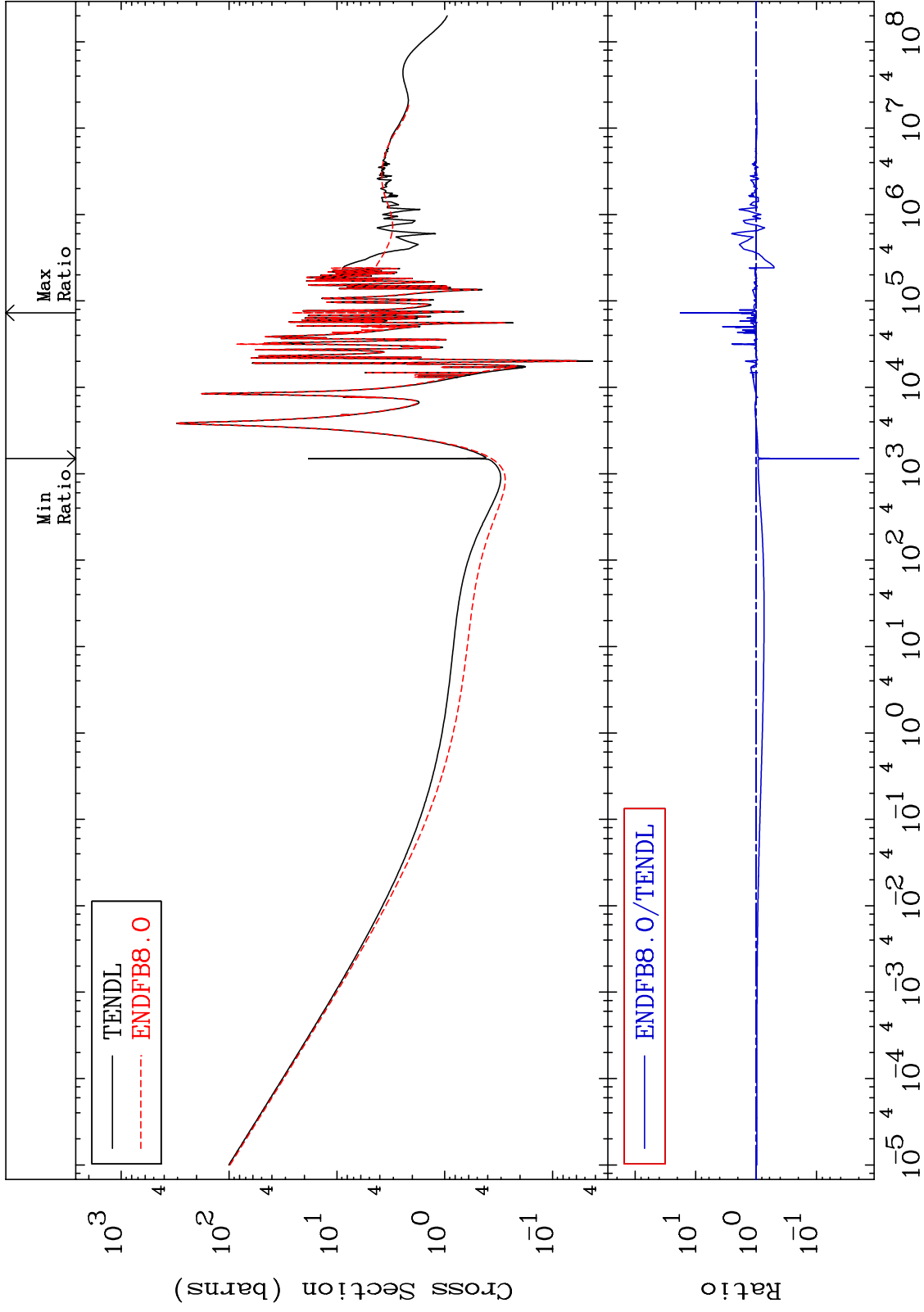
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2234

Total
Cross Section

22-Ti-49
-98.00 To 1697. %



1

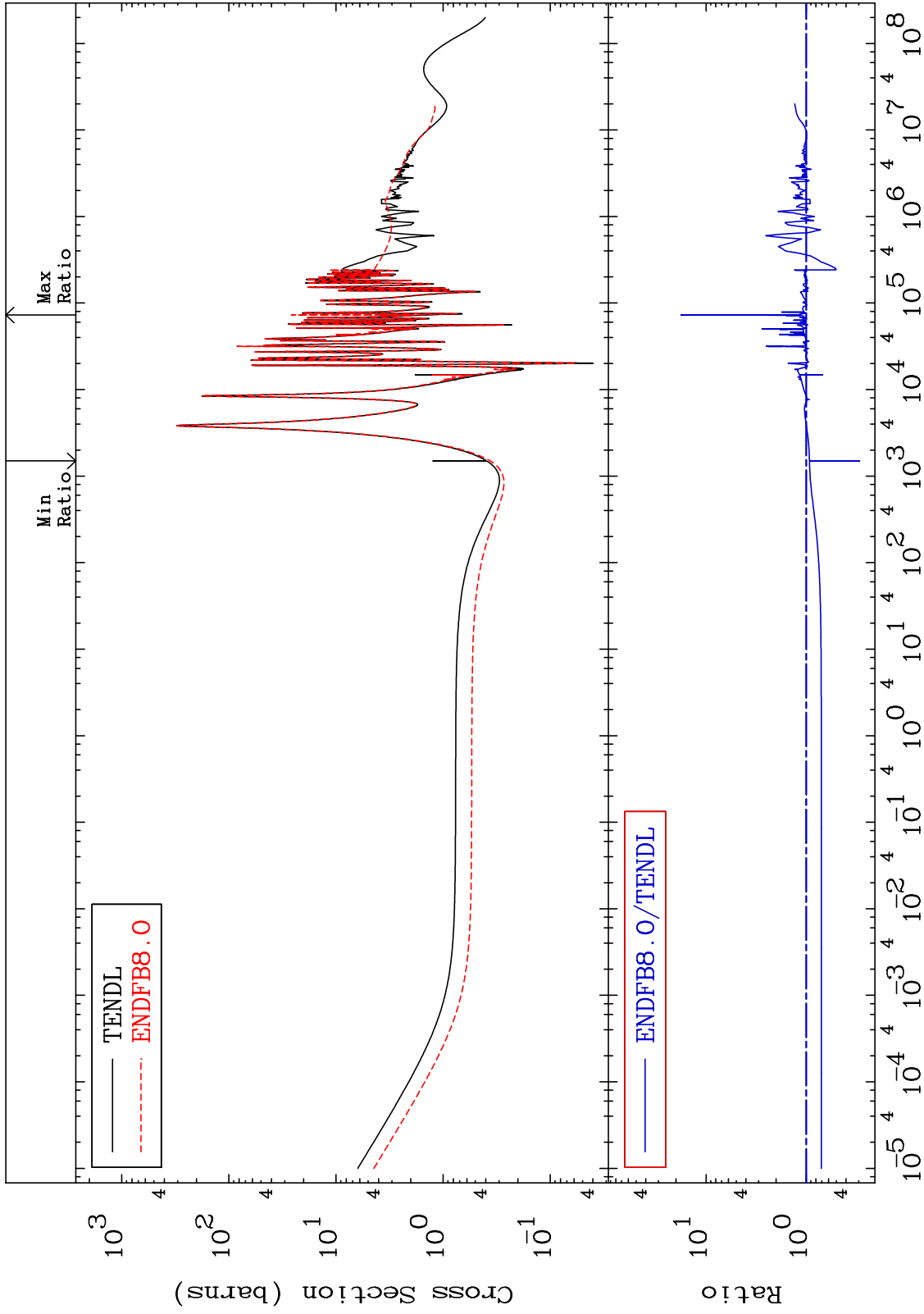
Incident Energy (eV)

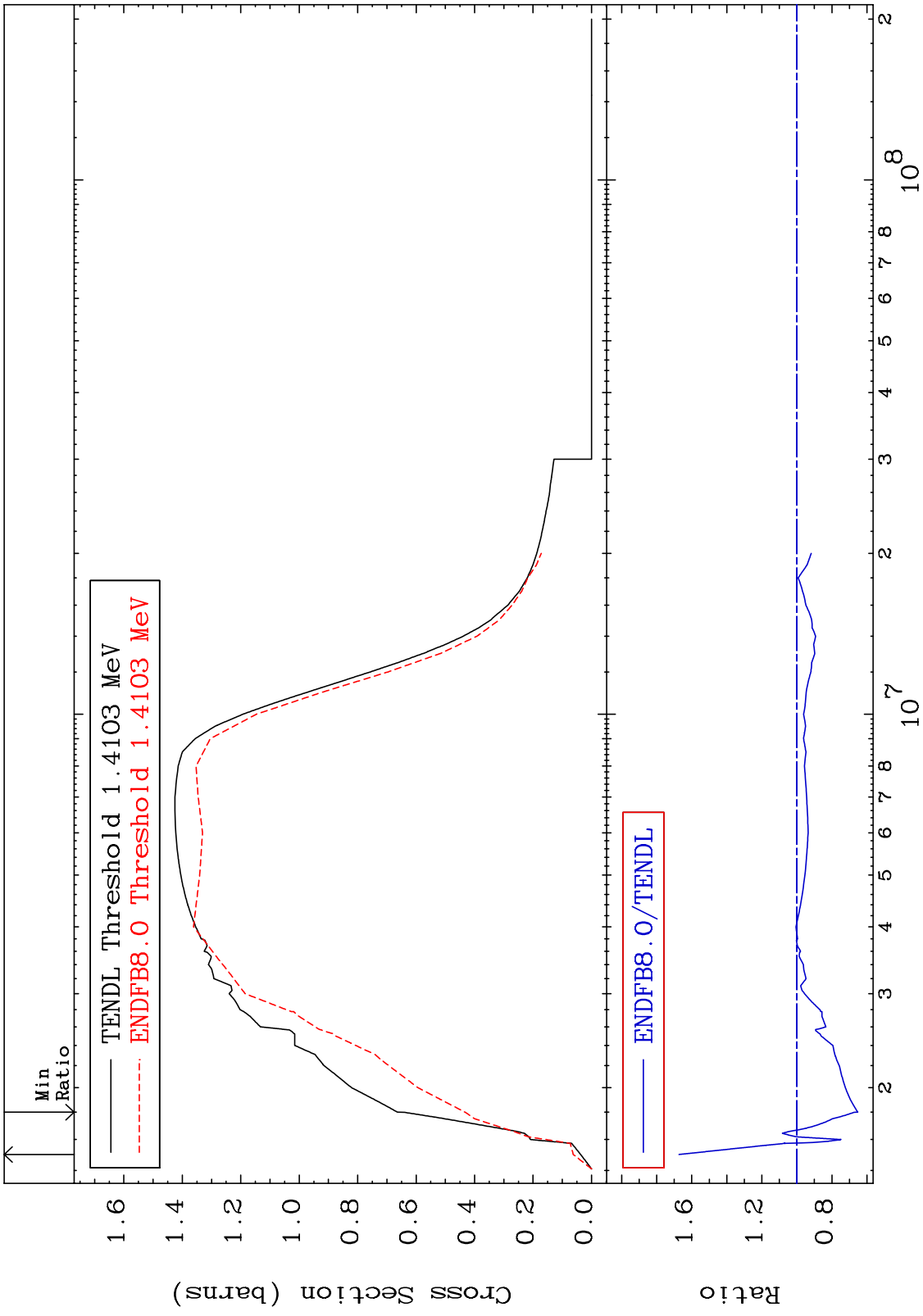
22-Ti-49

MAT 2234

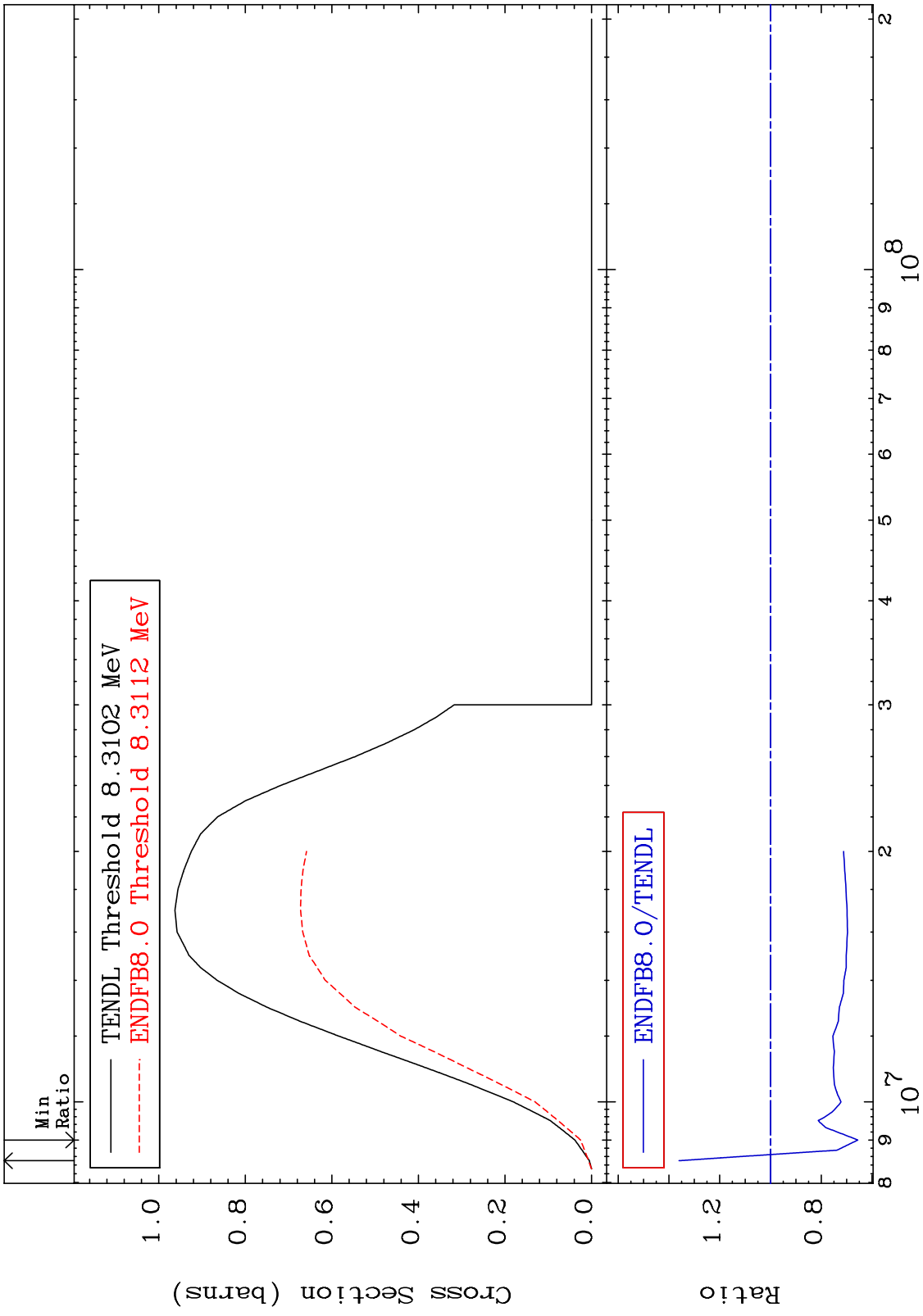
Elastic
Cross Section

22-Ti-49
-70.70 To 1690. %



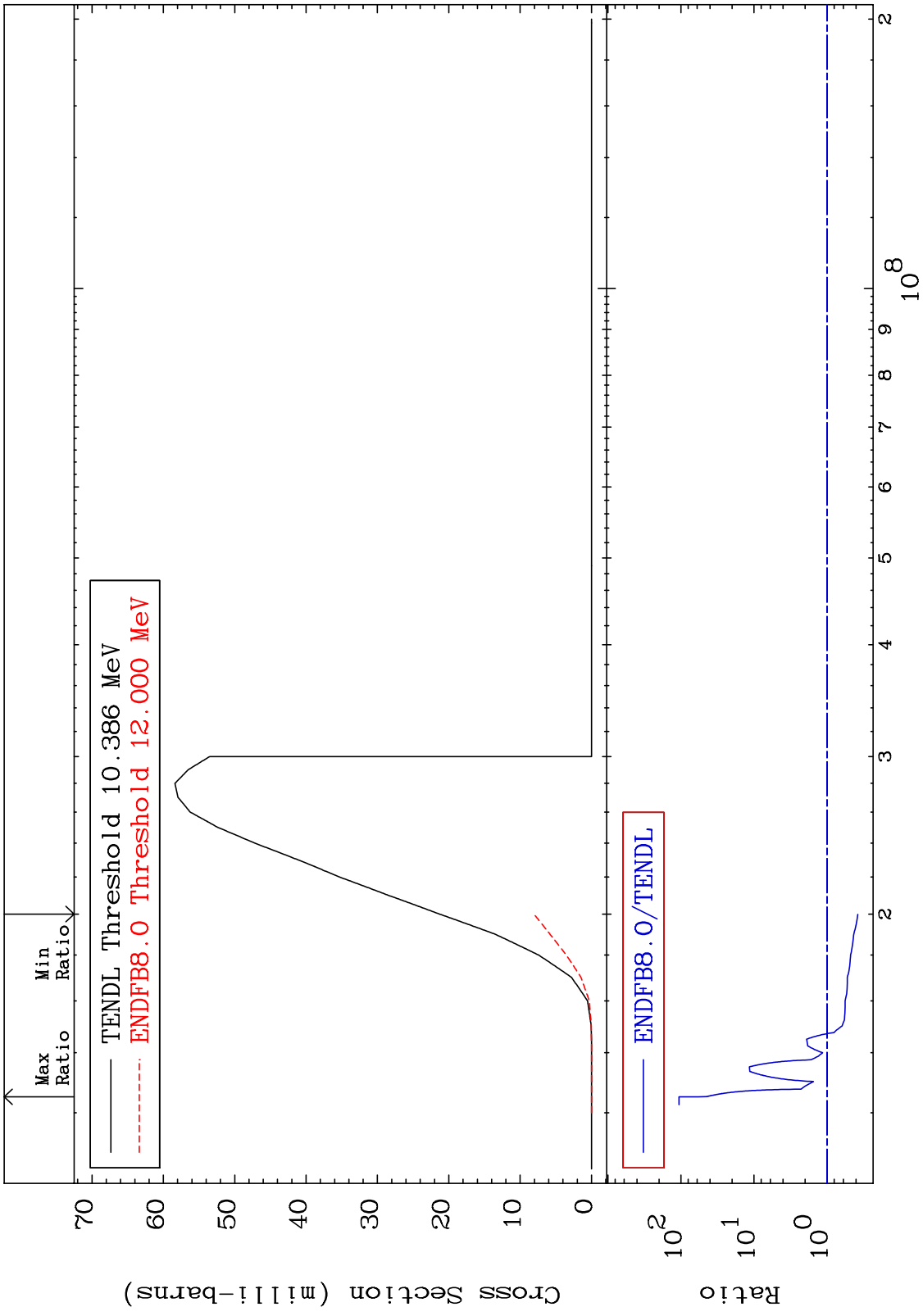


MAT 2234 (n,2n) Cross Section 22-Ti-49 -34.40 To 36.03 %

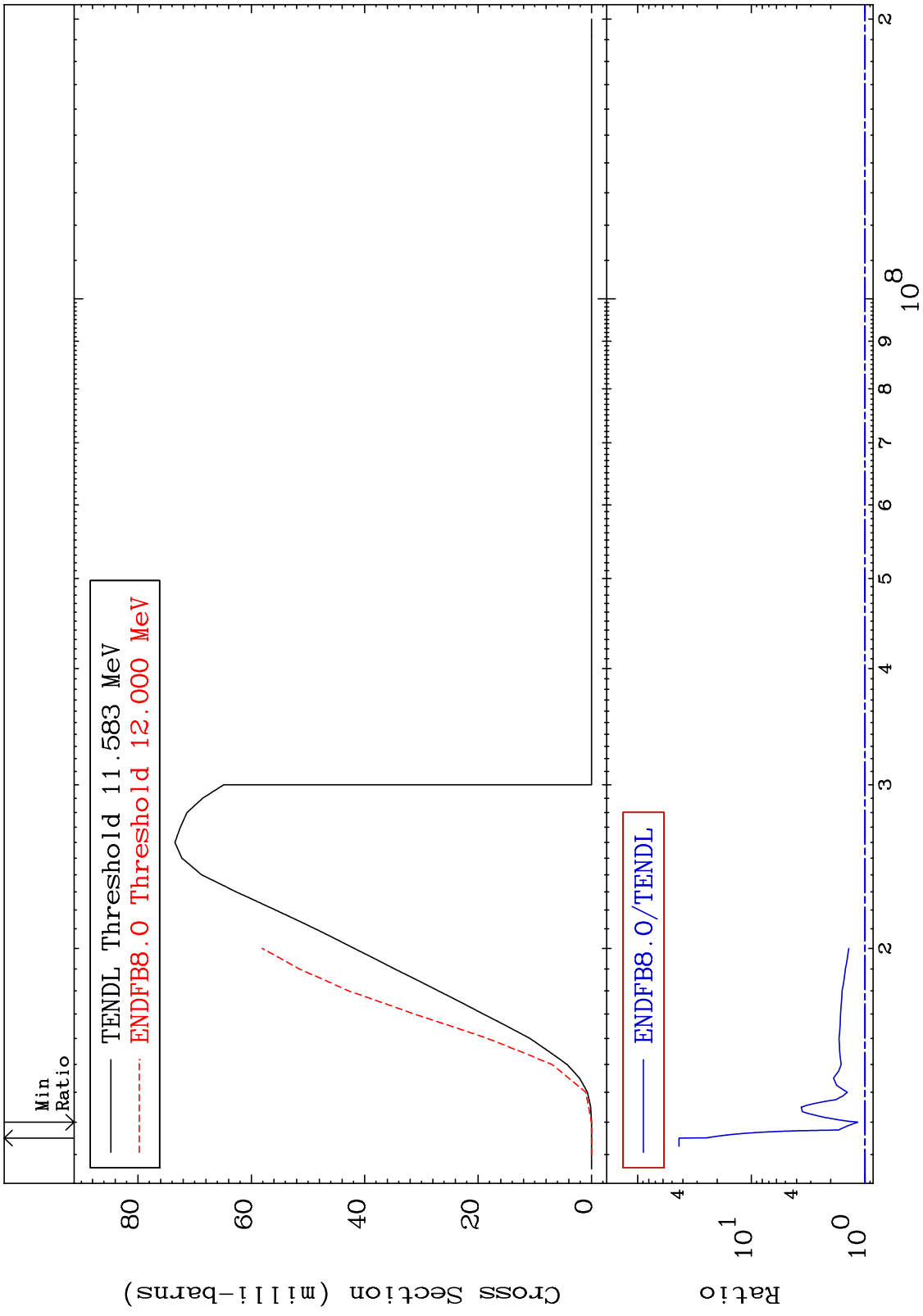


4 Incident Energy (eV) 22-Ti-49

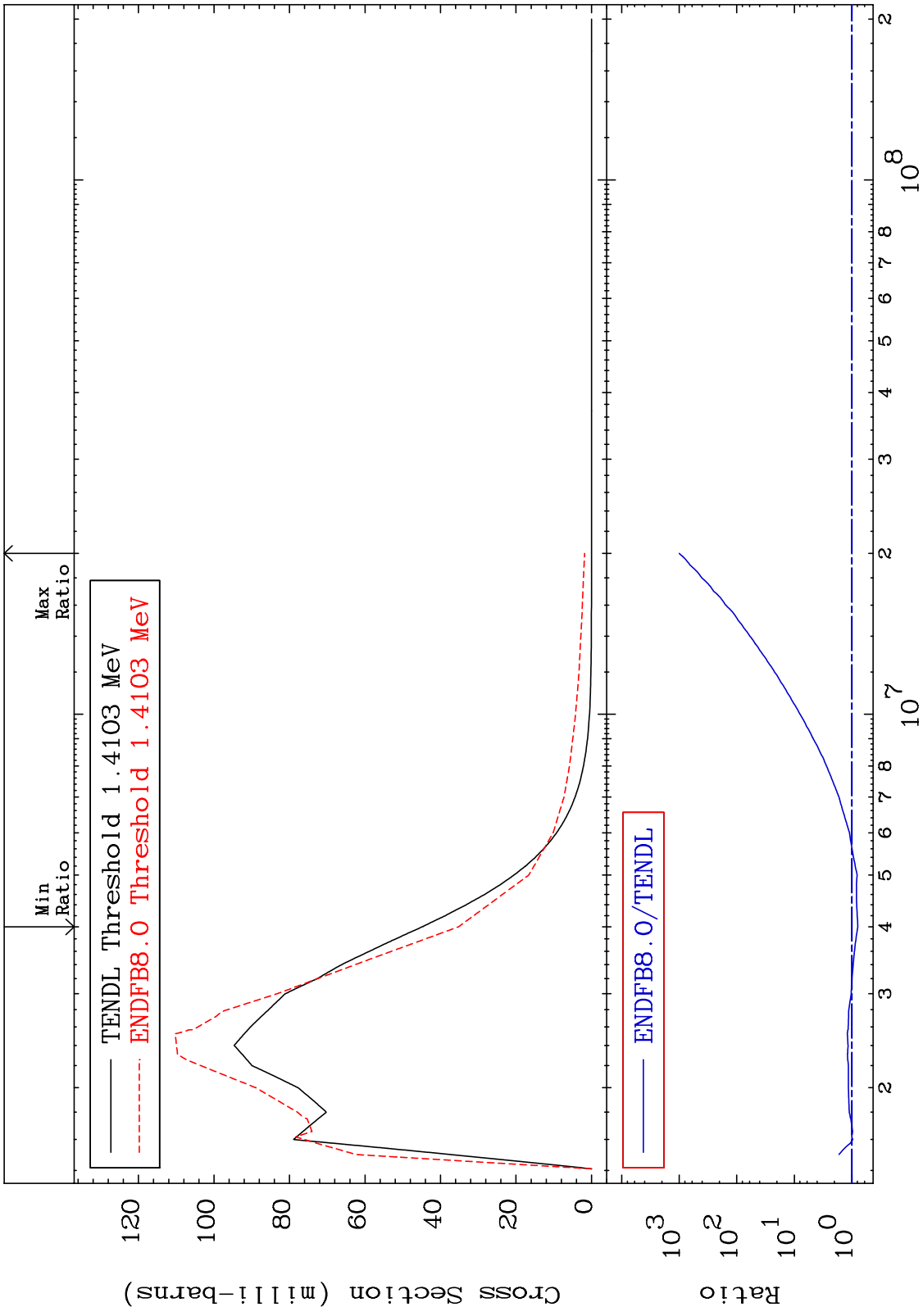
MAT 2234 $(n, n') \alpha$ 22-Ti-49
 Cross Section -62.08 To 9999. %



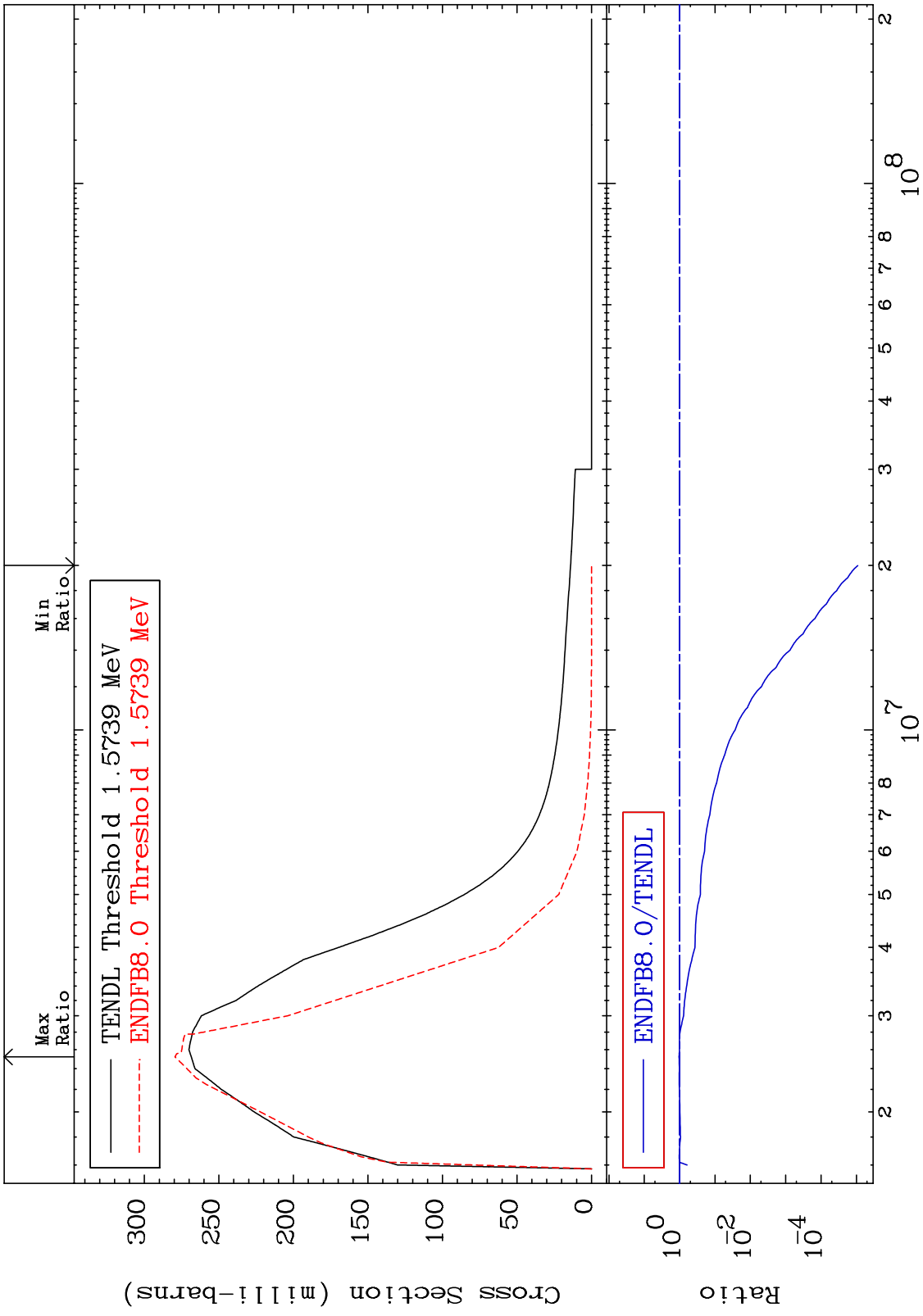
MAT 2234 (n,n') p 22-Ti-49
 Cross Section 15.42 To 4229. %



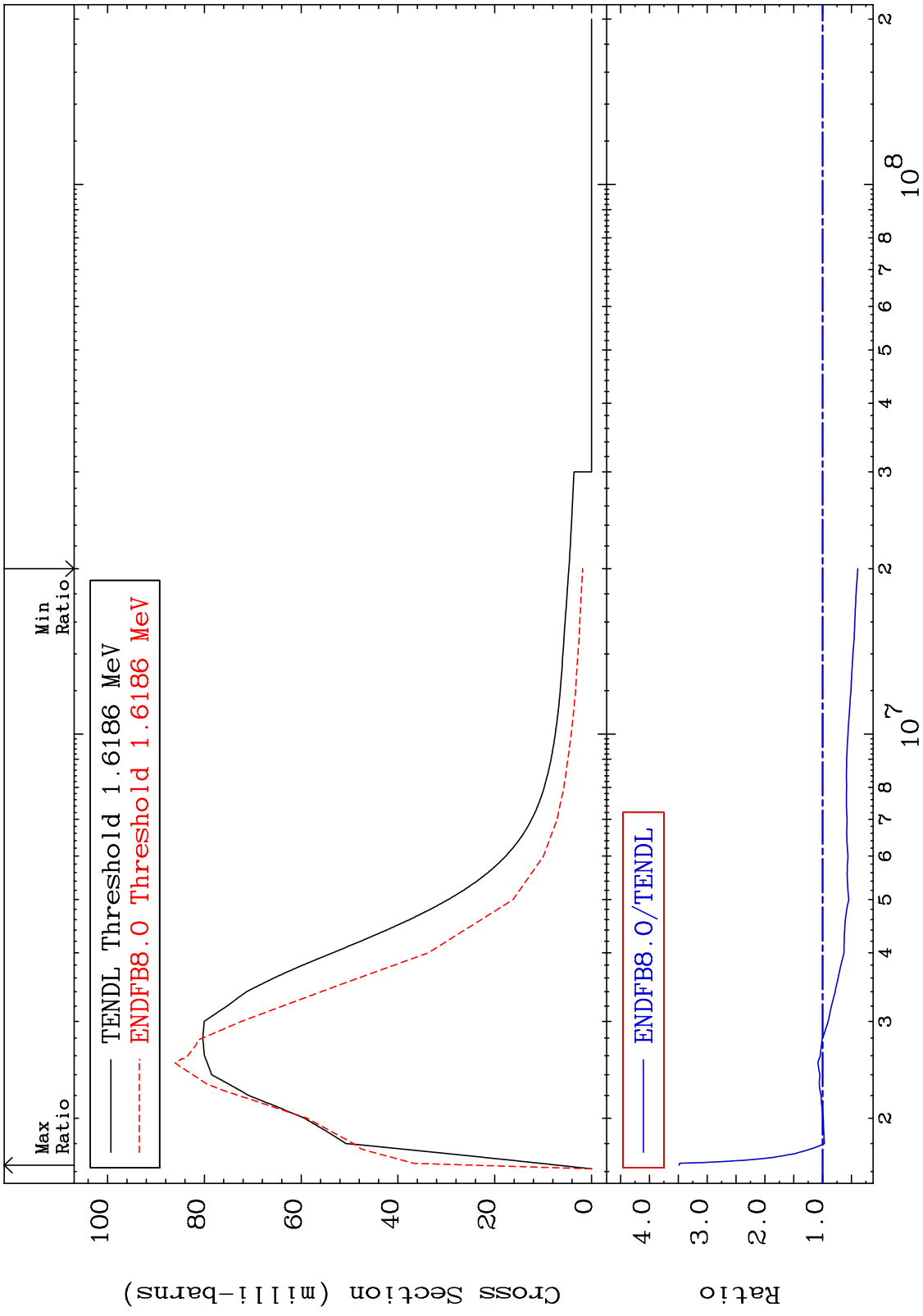
MAT 2234 MT= 51 (n,n') Level Cross Section -21.42 To 9999. % 22-Ti-49



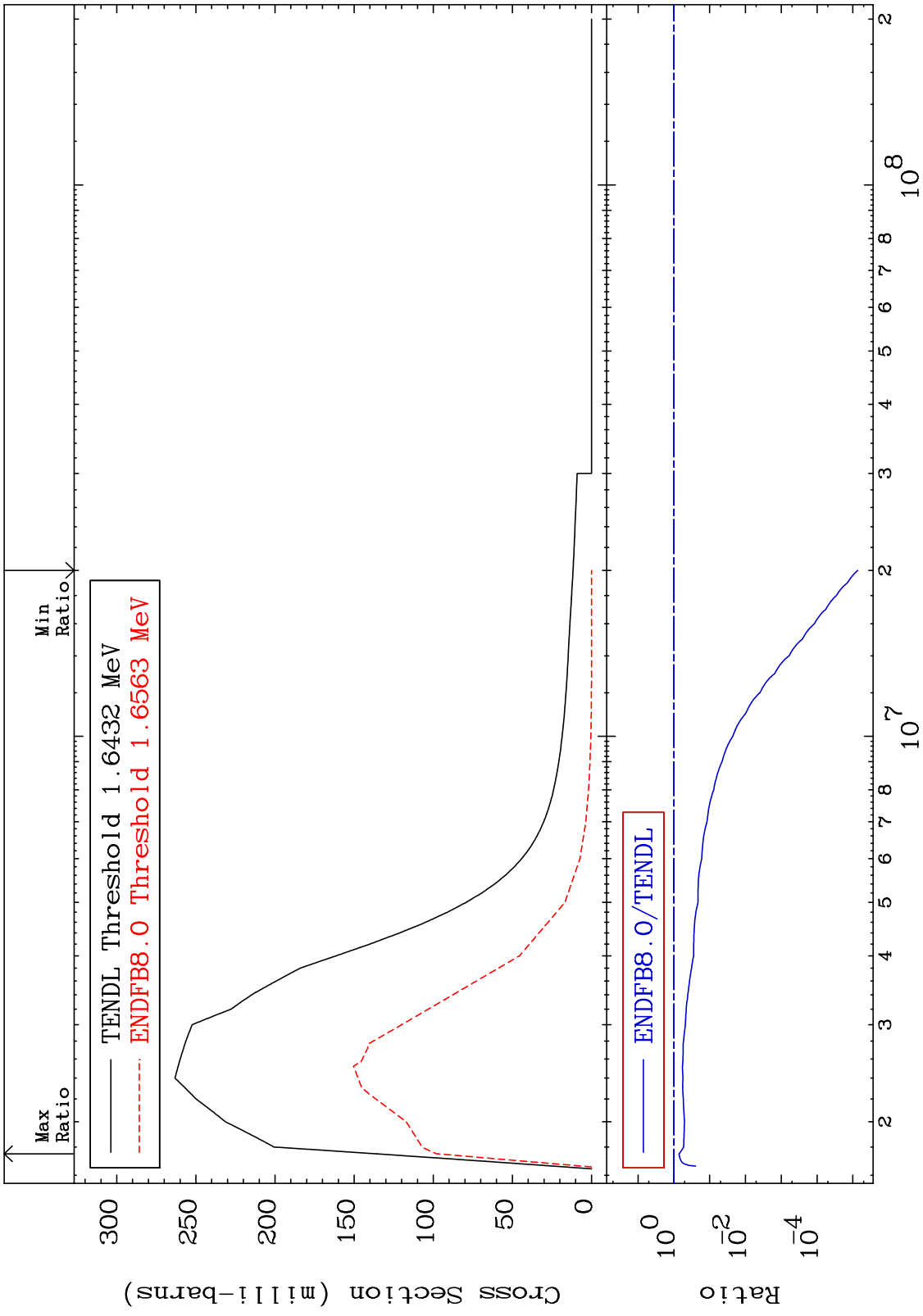
MAT 2234 MT= 52 (n,n') Level Cross Section 22-Ti-49
 -100.0 To 4.066 %



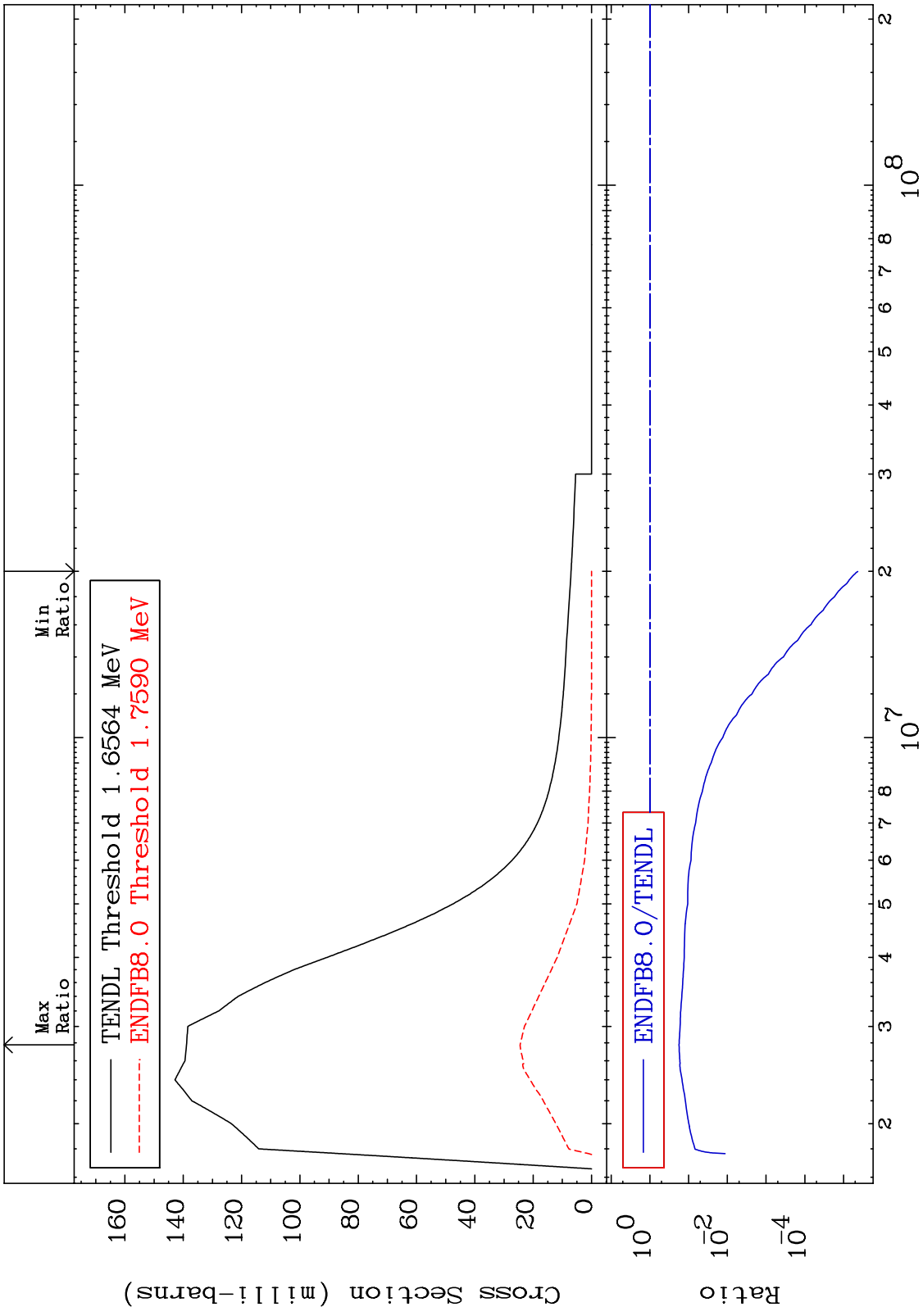
MAT 2234 MT= 53 (n,n') Level Cross Section -60.94 To 248.9 % 22-Ti-49



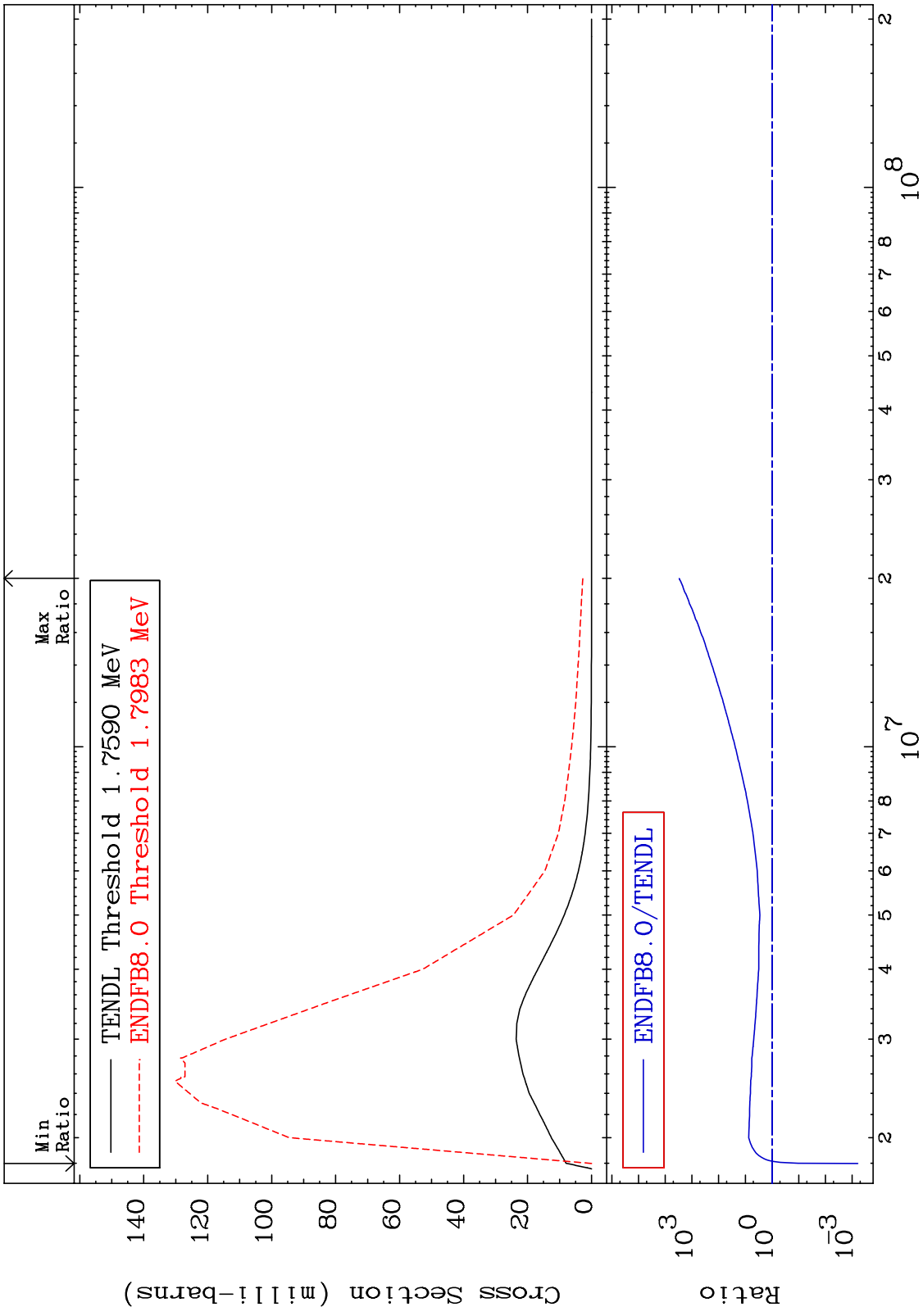
MAT 2234 MT= 54 (n,n') Level Cross Section -100.0 To -28.38% 22-Ti-49



MAT 2234 MT= 55 (n,n') Level Cross Section -100.0 To -82.36% 22-Ti-49

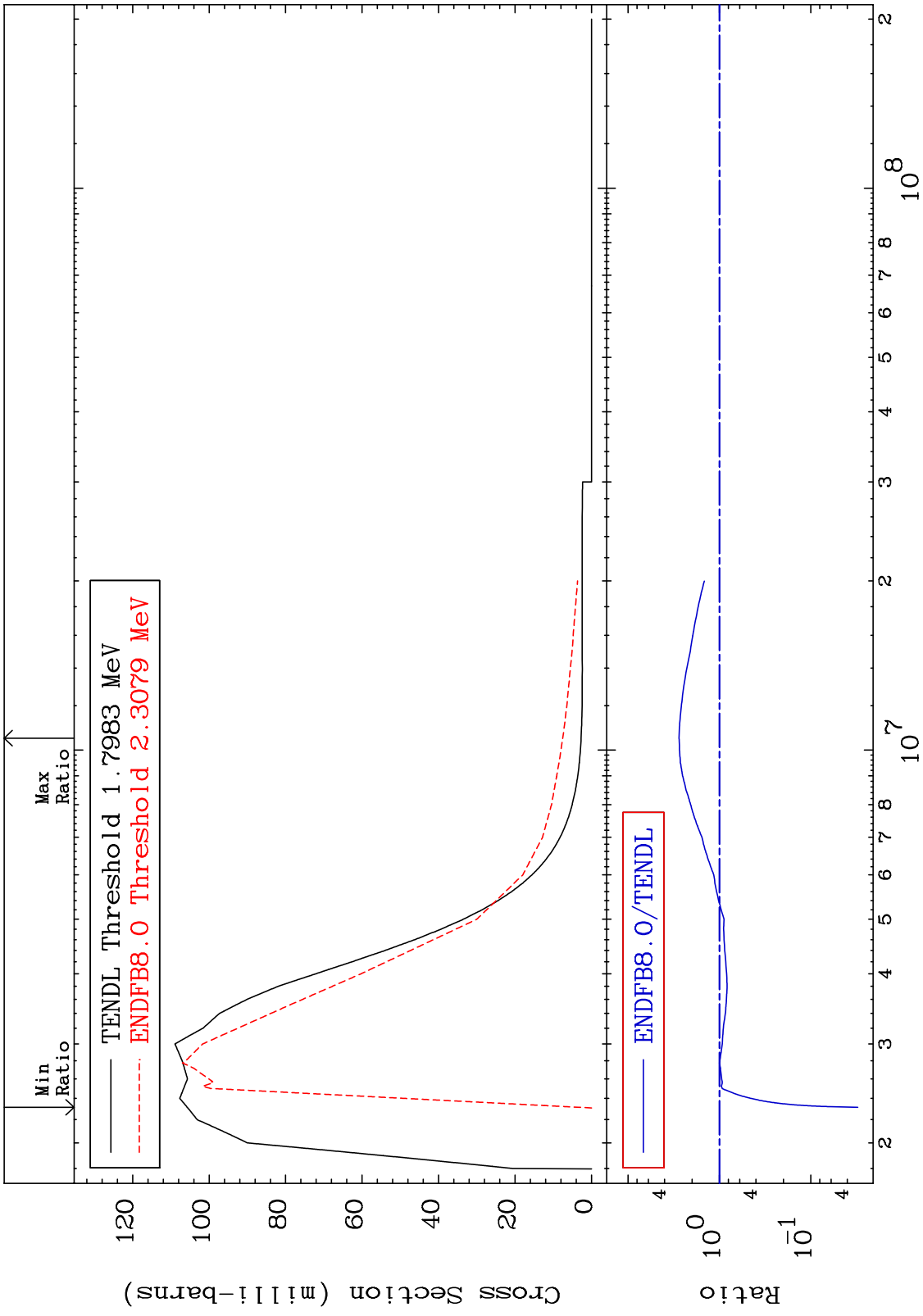


MAT 2234 MT= 56 (n,n') Level Cross Section 22-Ti-49
 -99.94 To 9999. %

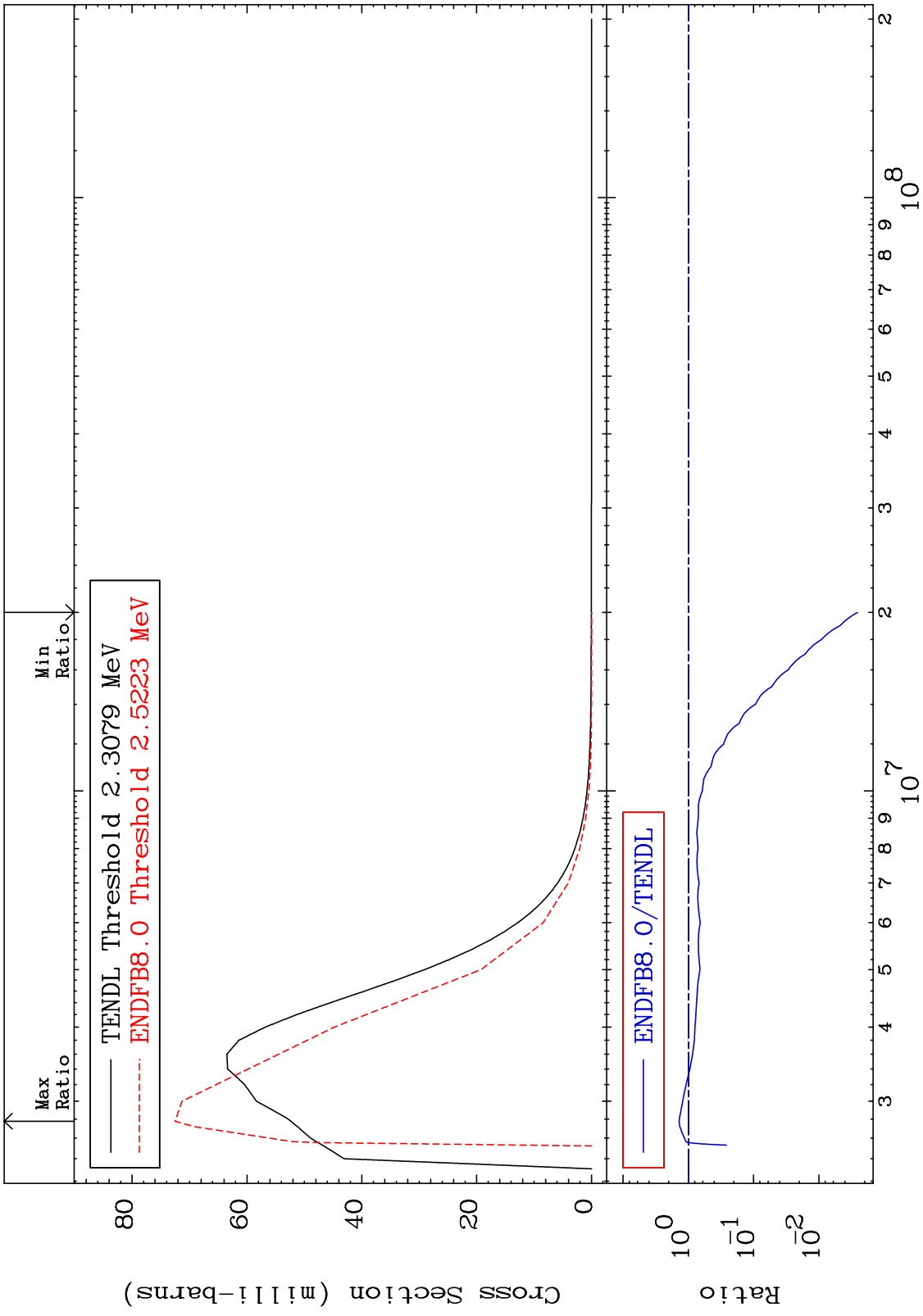


12 Incident Energy (eV) 22-Ti-49

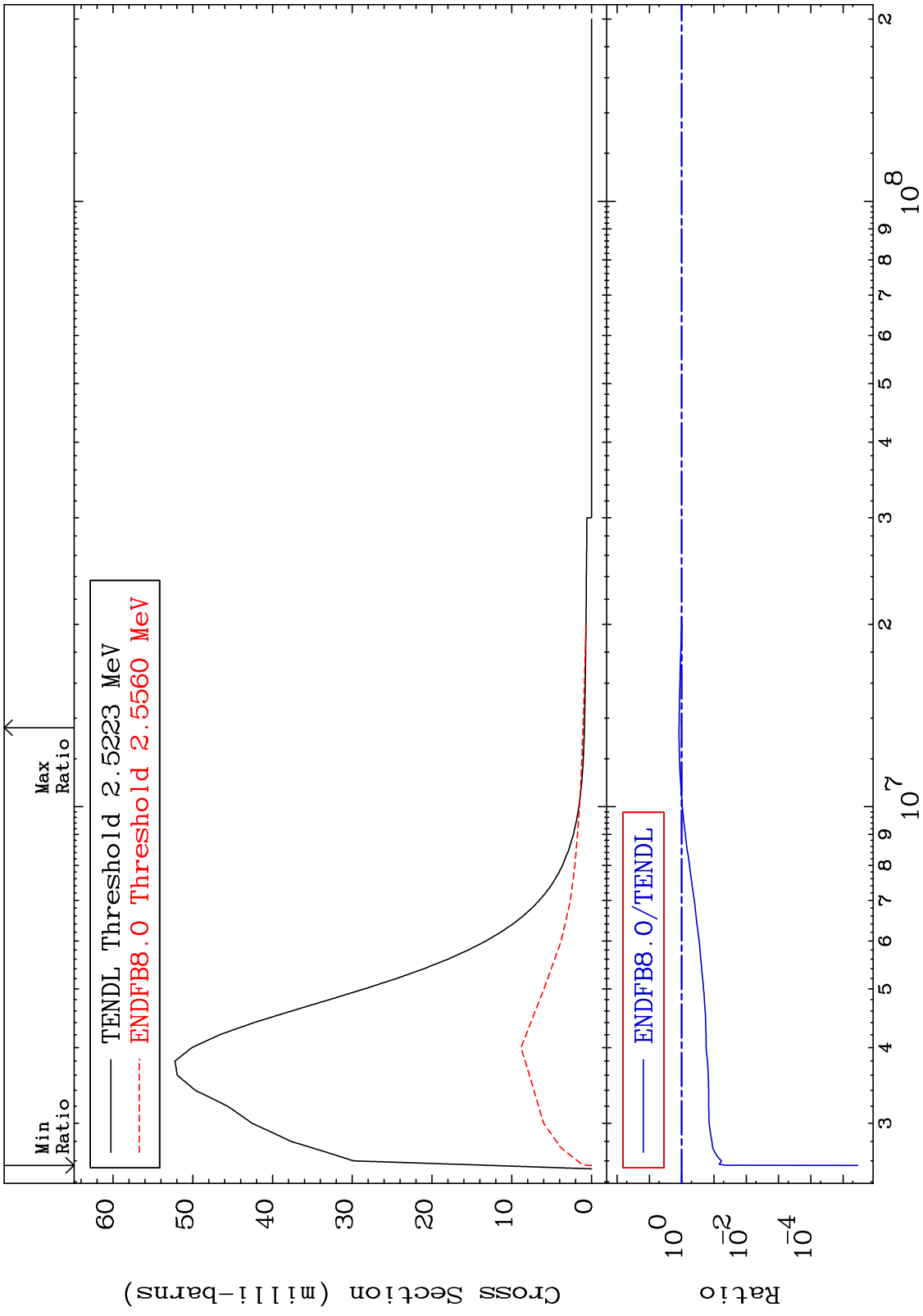
MAT 2234 MT= 57 (n,n') Level Cross Section 22-Ti-49
 -96.94 To 177.3 %



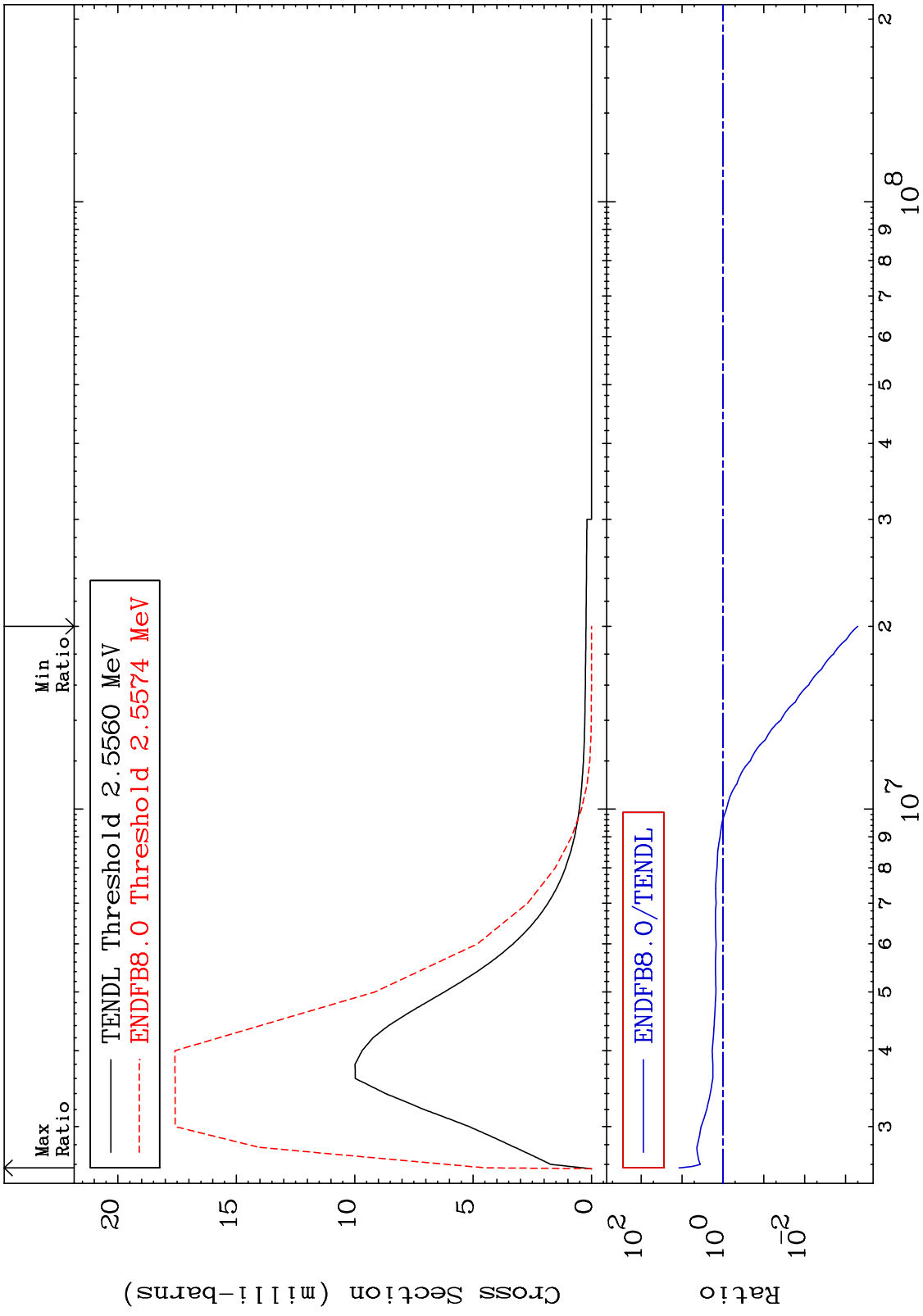
MAT 2234 MT= 58 (n,n') Level Cross Section 22-Ti-49
 -99.75 To 38.58 %



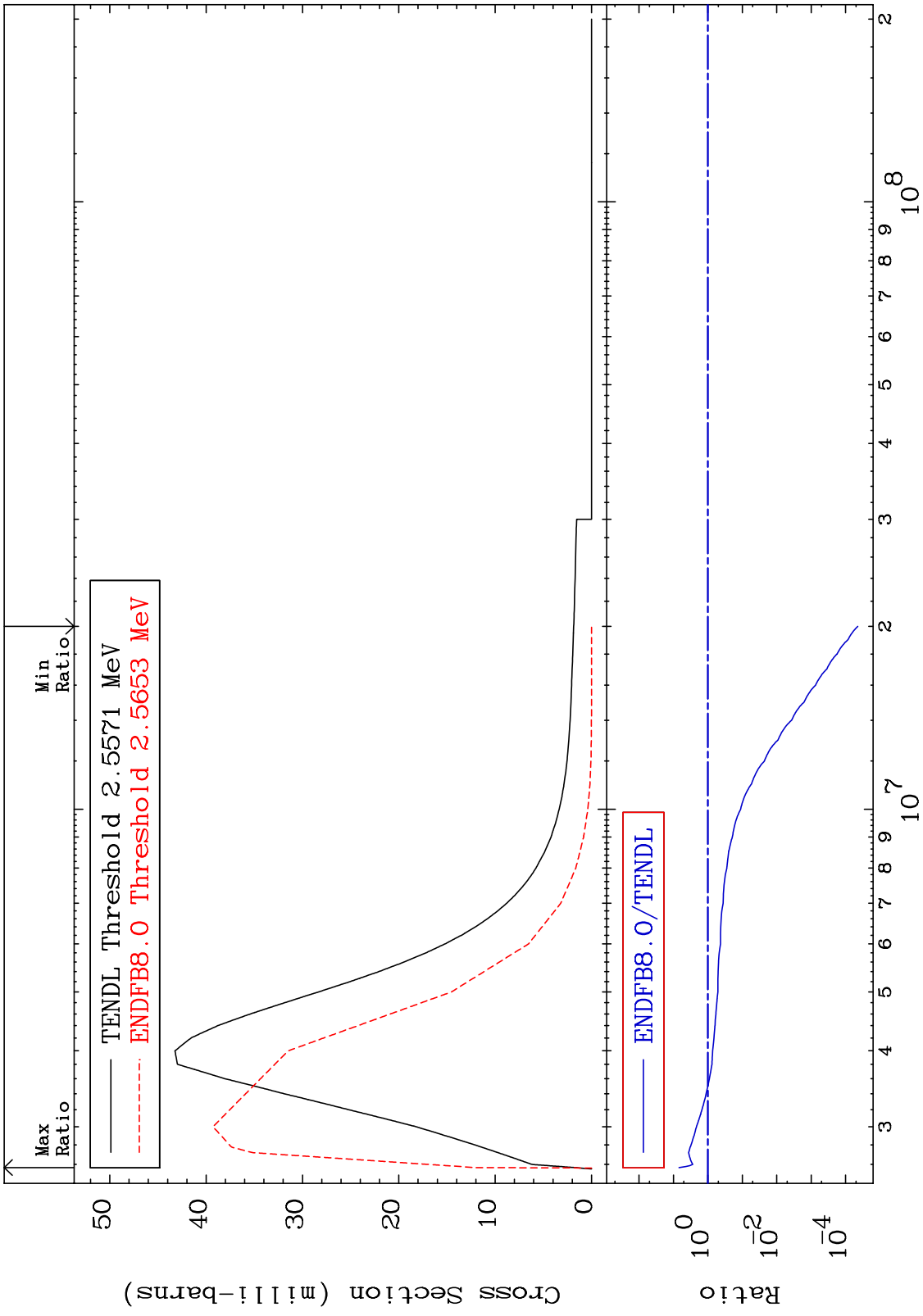
MAT 2234 MT= 59 (n,n') Level Cross Section -100.0 To 20.53 % 22-Ti-49



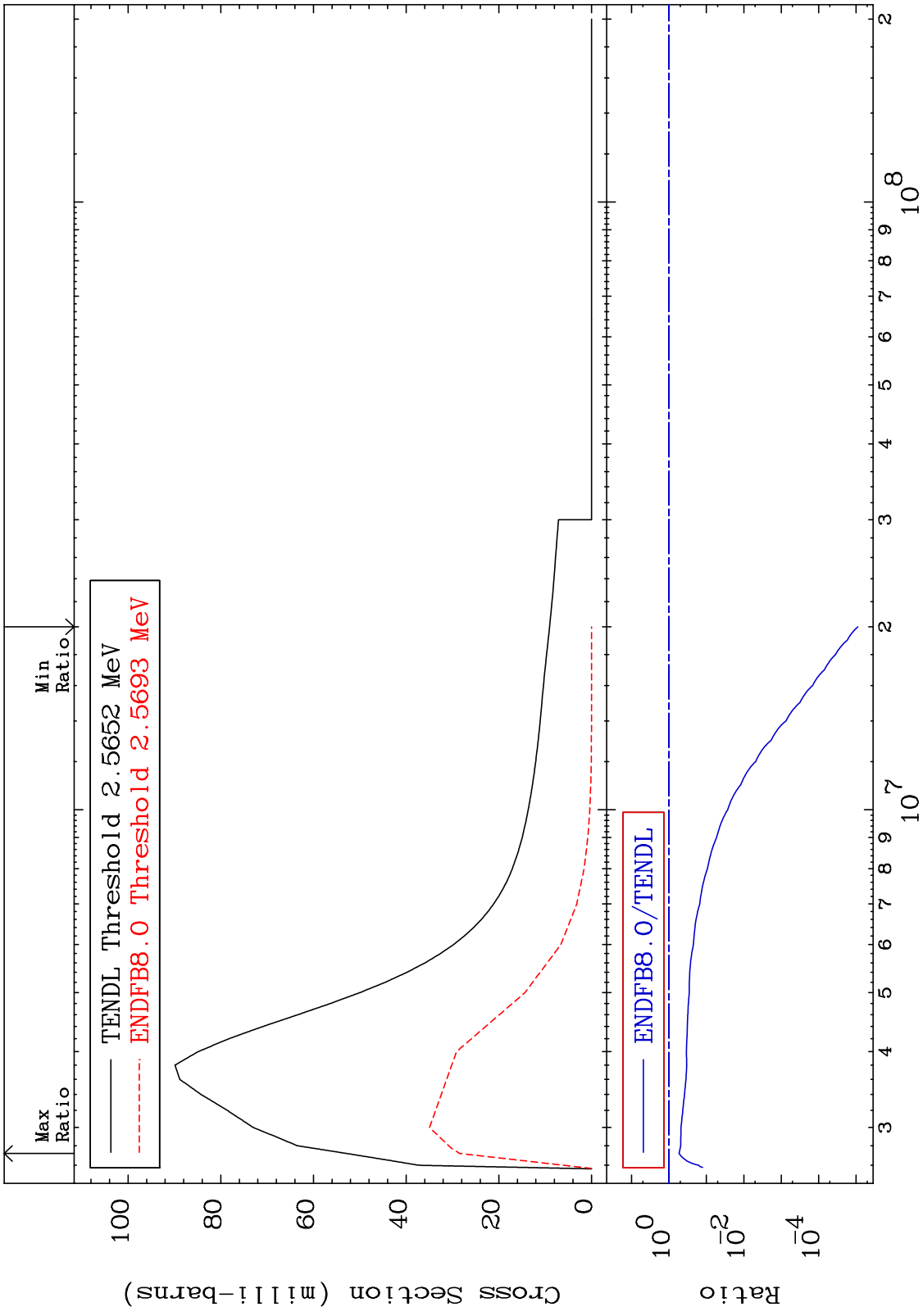
MAT 2234 MT= 60 (n,n') Level 22-Ti-49
 Cross Section -99.95 To 1079. %



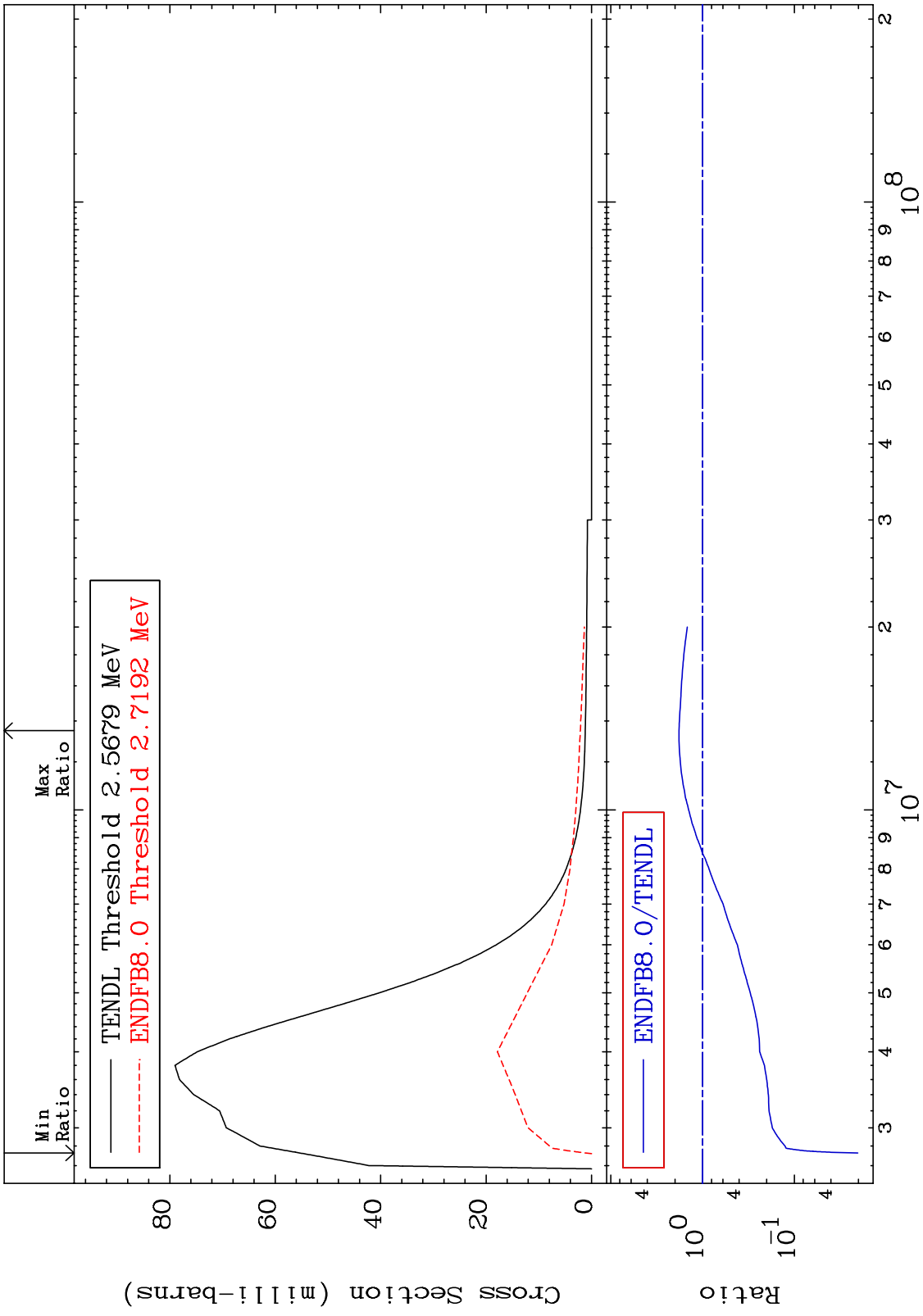
MAT 2234 MT= 61 (n,n') Level Cross Section 22-Ti-49
 -100.0 To 589.4 %



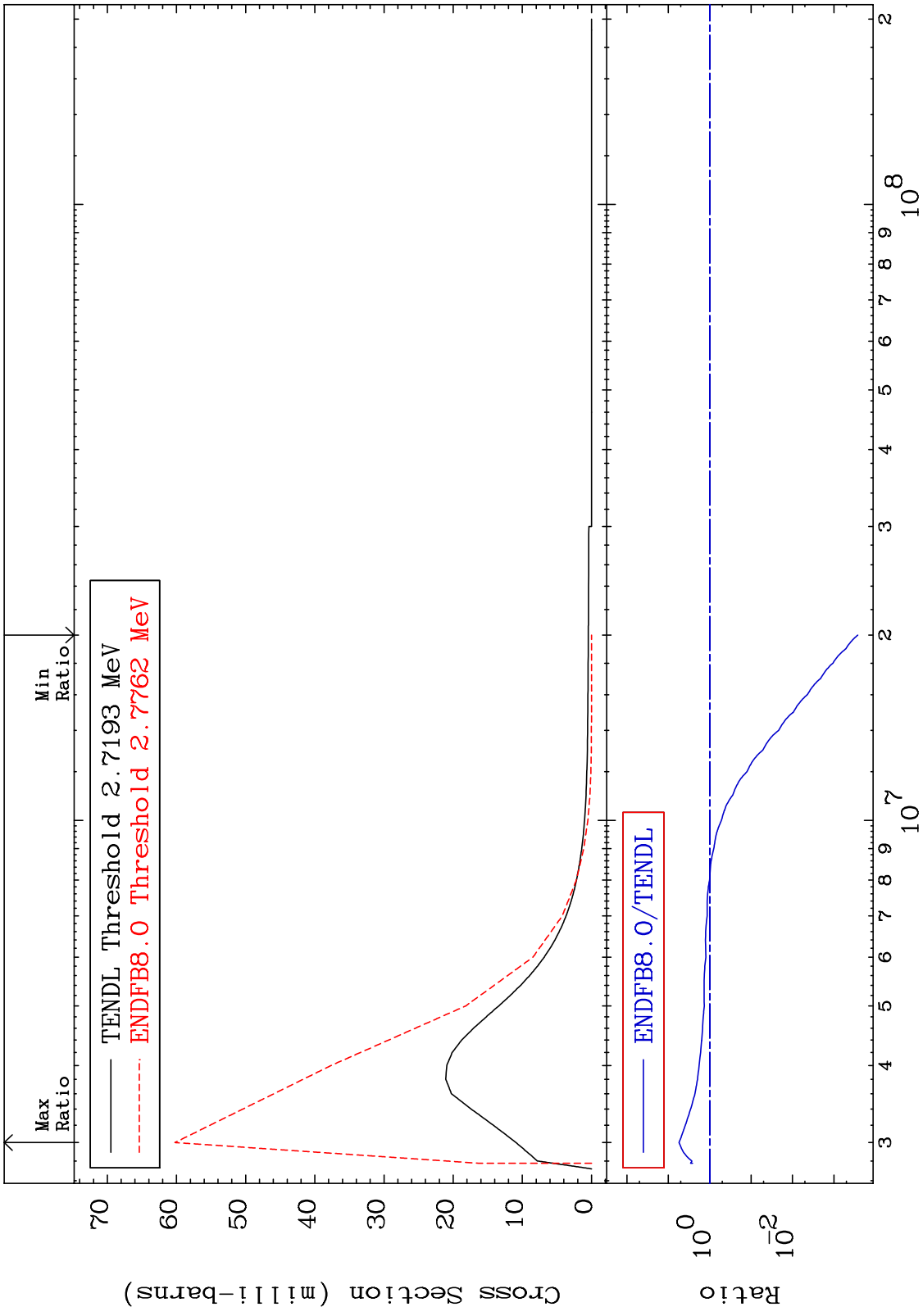
MAT 2234 MT= 62 (n,n') Level Cross Section 22-Ti-49
 -100.0 To -46.15%



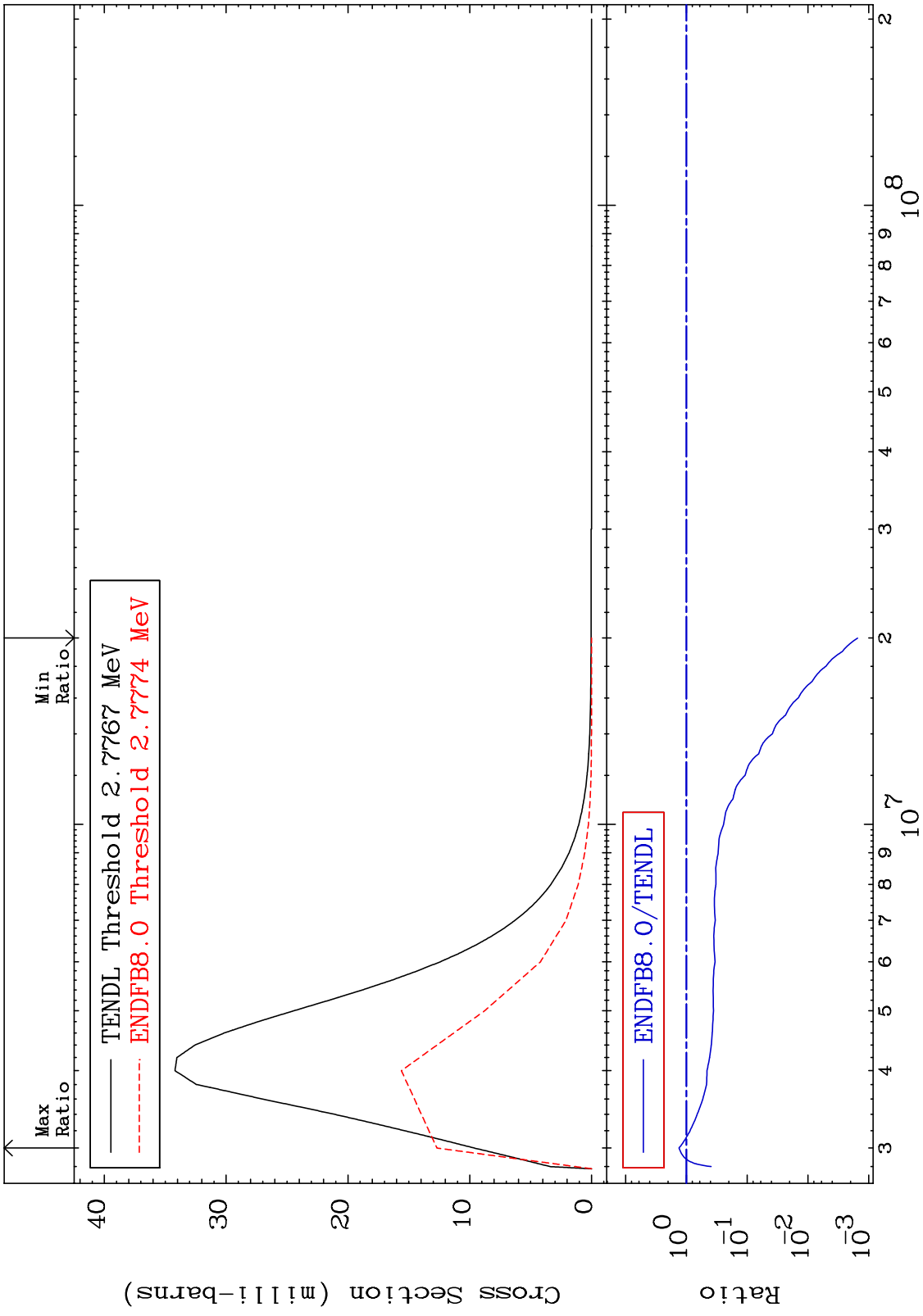
MAT 2234 MT= 63 (n,n') Level Cross Section 22-Ti-49
 -97.97 To 80.47 %



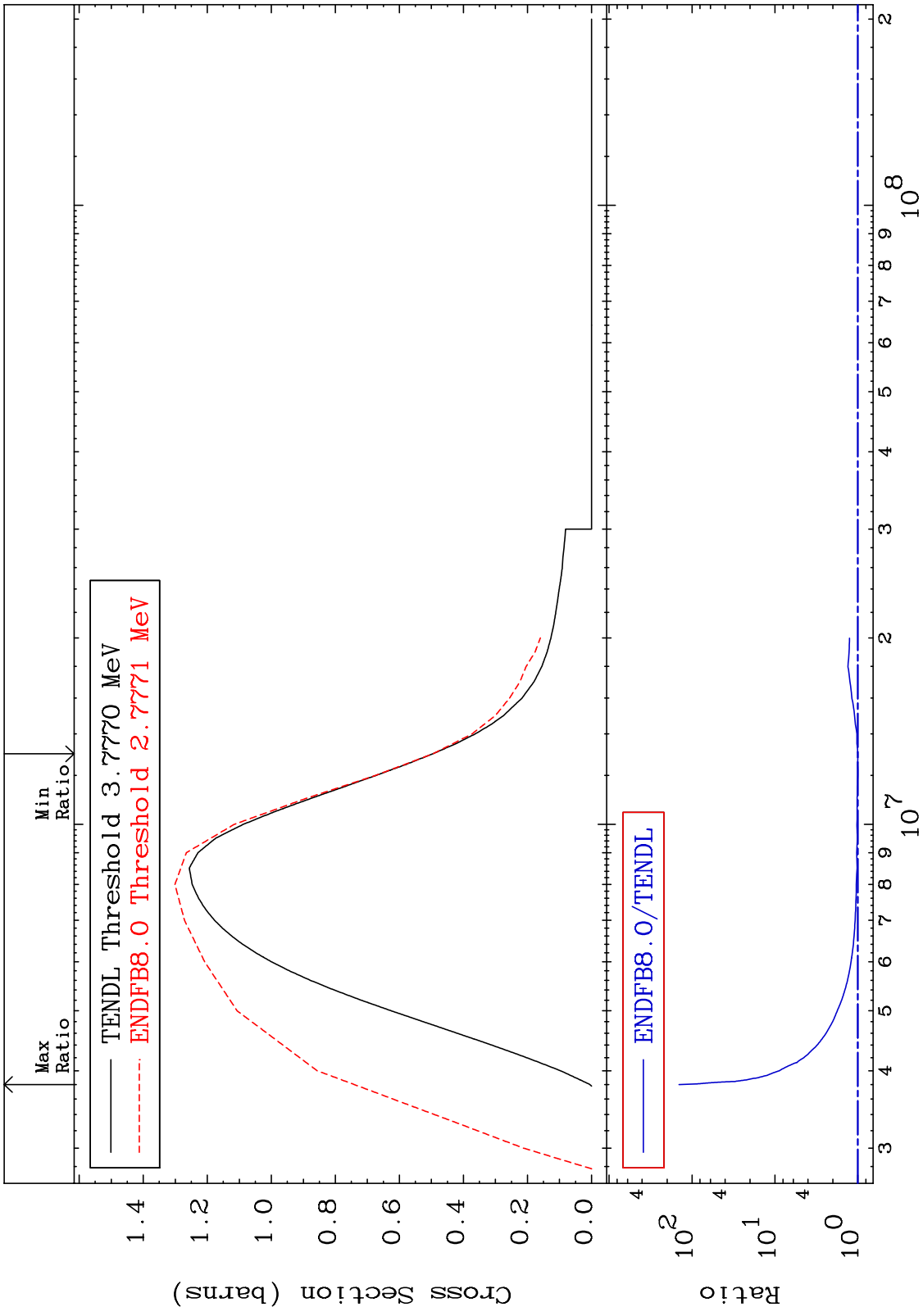
MAT 2234 MT= 64 (n,n') Level Cross Section 22-Ti-49
 -99.97 To 450.8 %



MAT 2234 MT= 65 (n,n') Level Cross Section -99.85 To 31.87 % 22-Ti-49



MAT 2234 (n,n') Continuum Cross Section 22-Ti-49 -0.012 To 9999. %



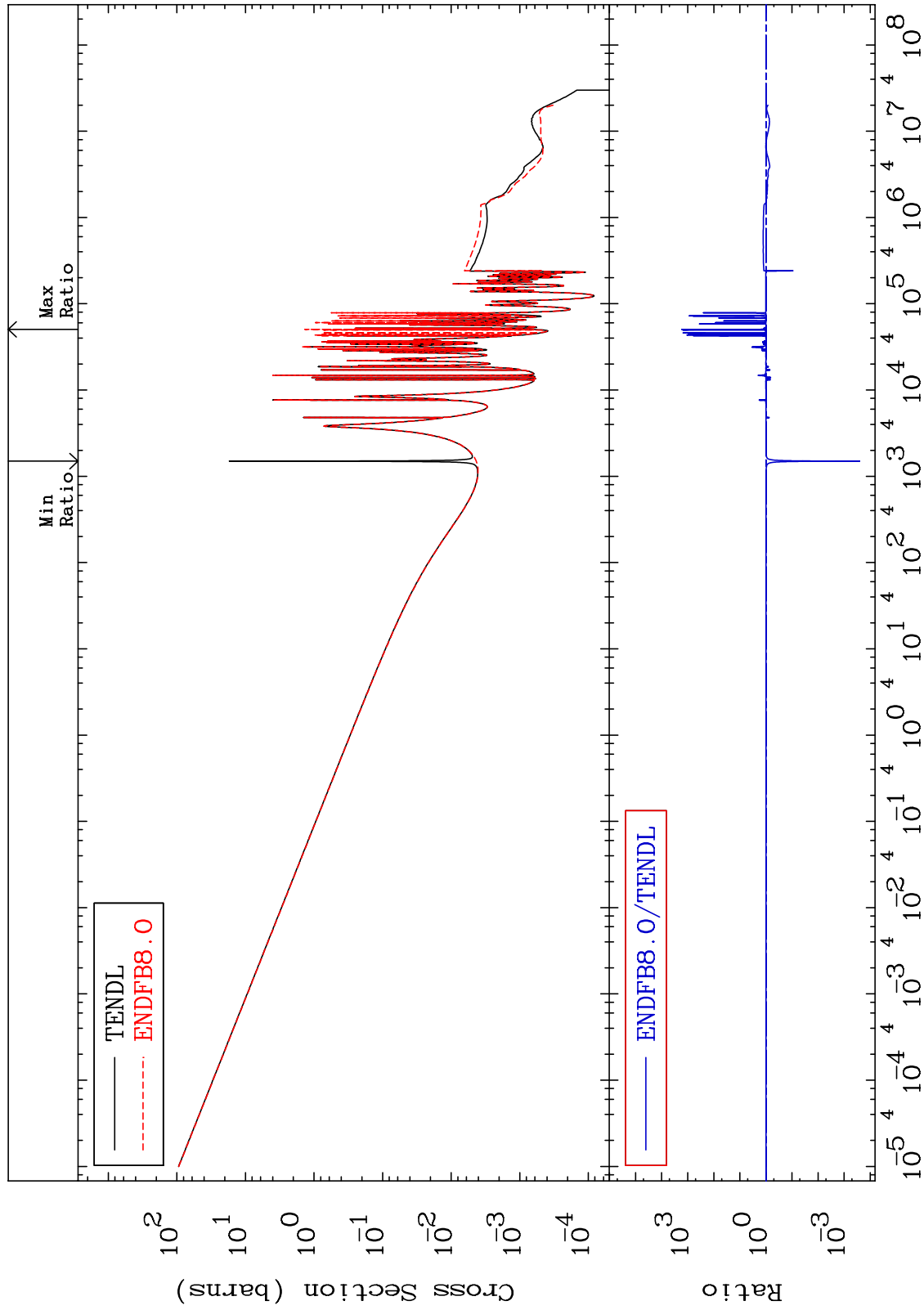
MAT 2234

(n, γ)

22-Ti-49

Cross Section

-99.97 To 9999. %

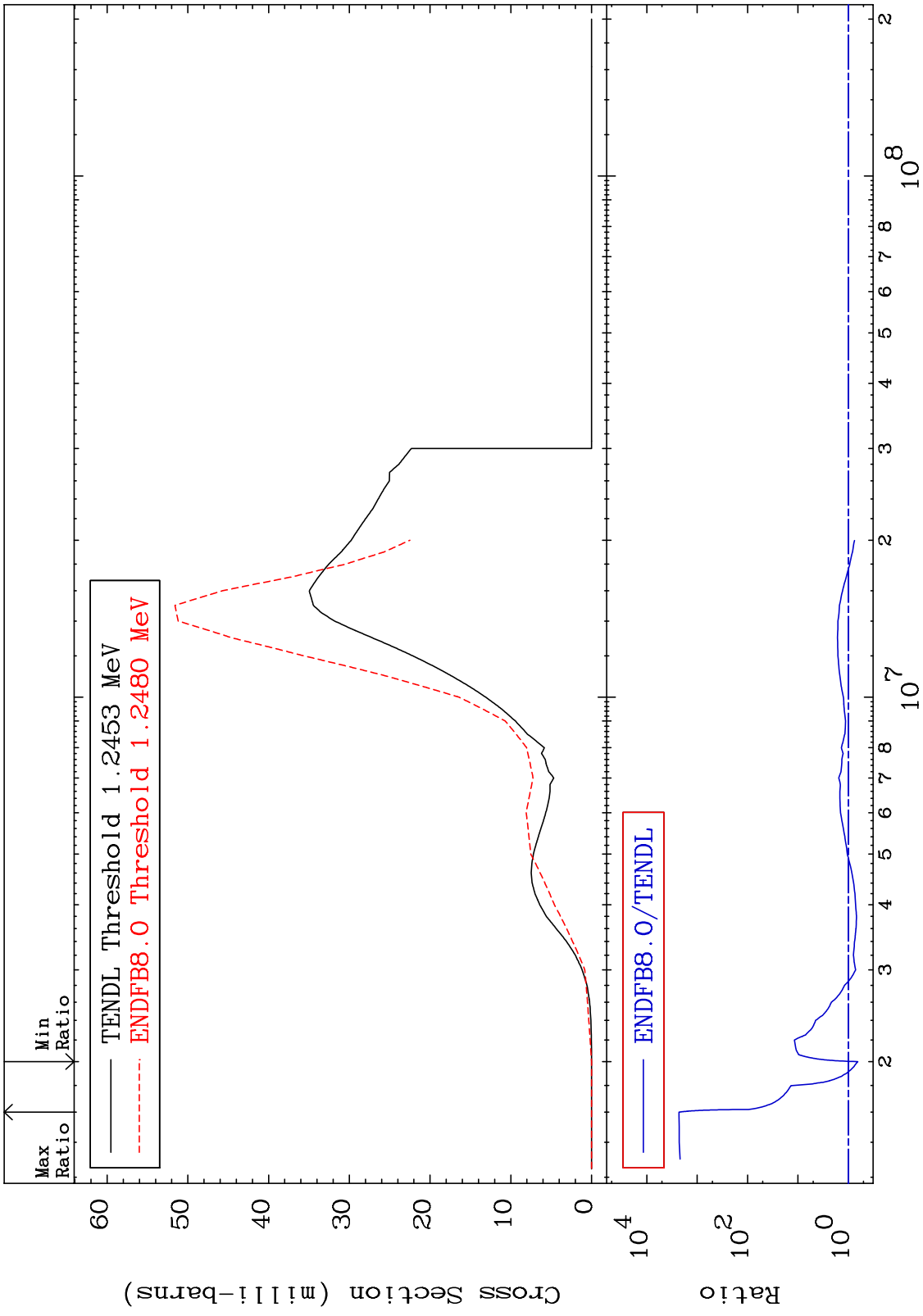


23

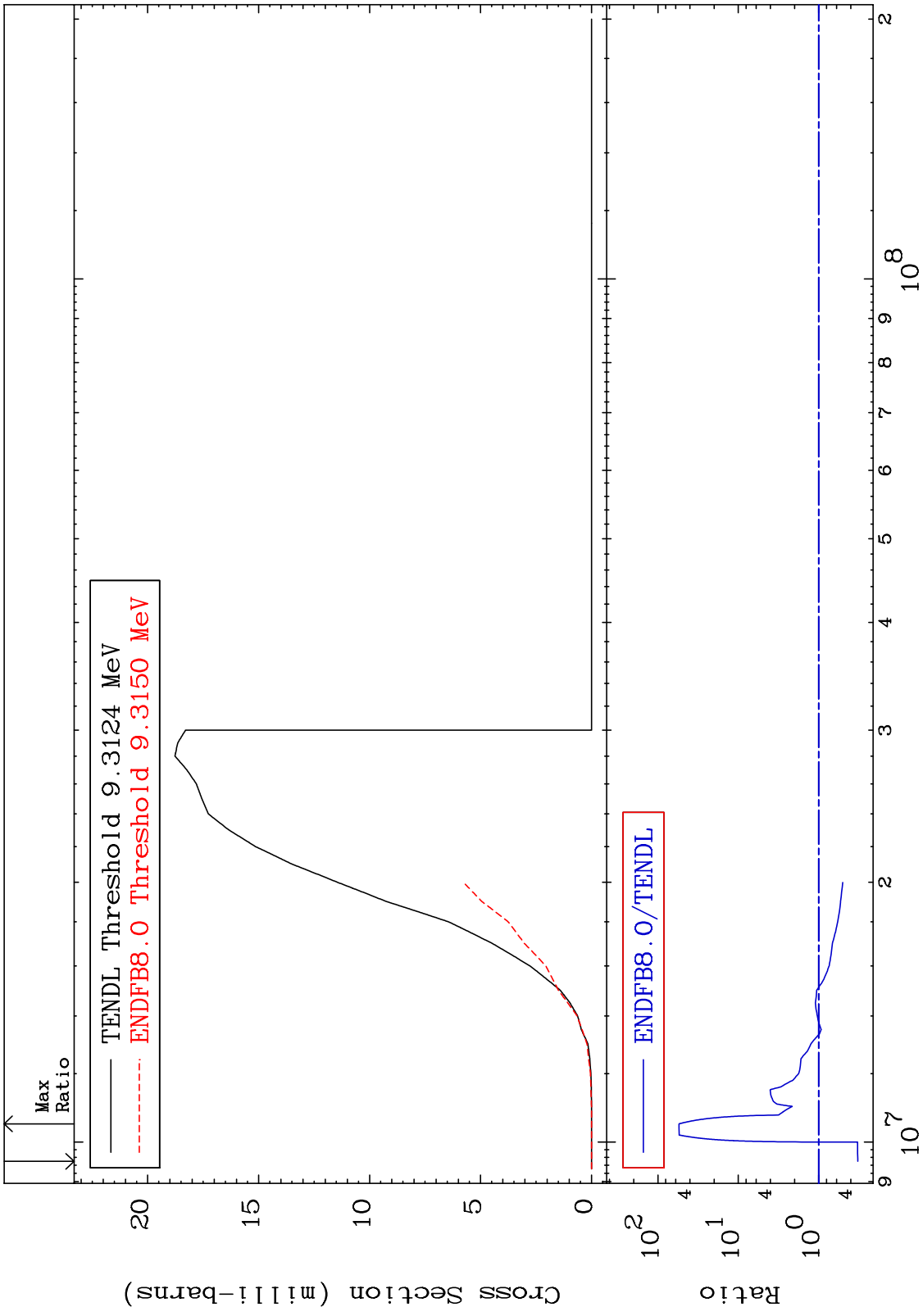
Incident Energy (eV)

22-Ti-49

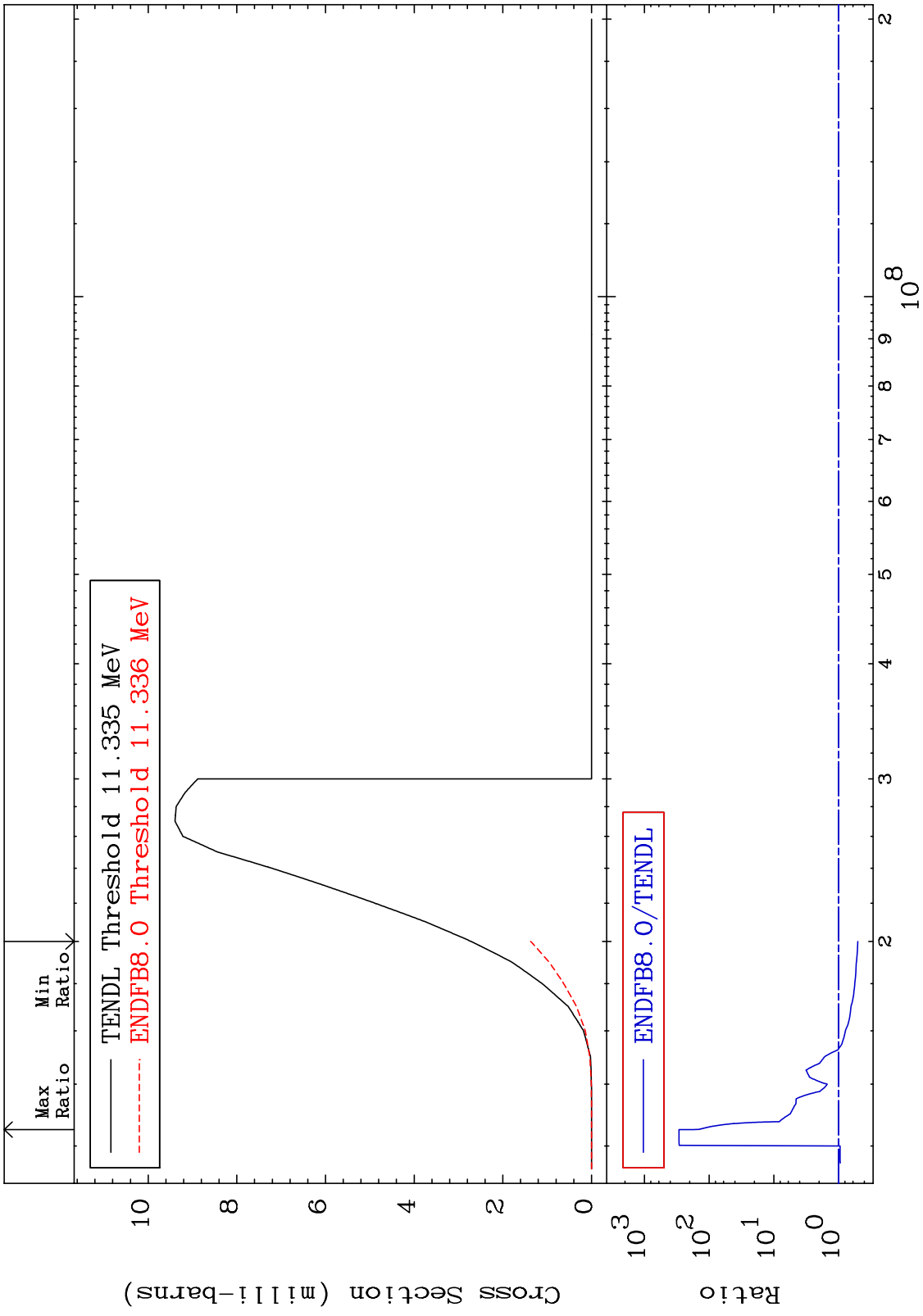
MAT 2234 (n,p) 22-Ti-49
 Cross Section -35.18 To 9999. %

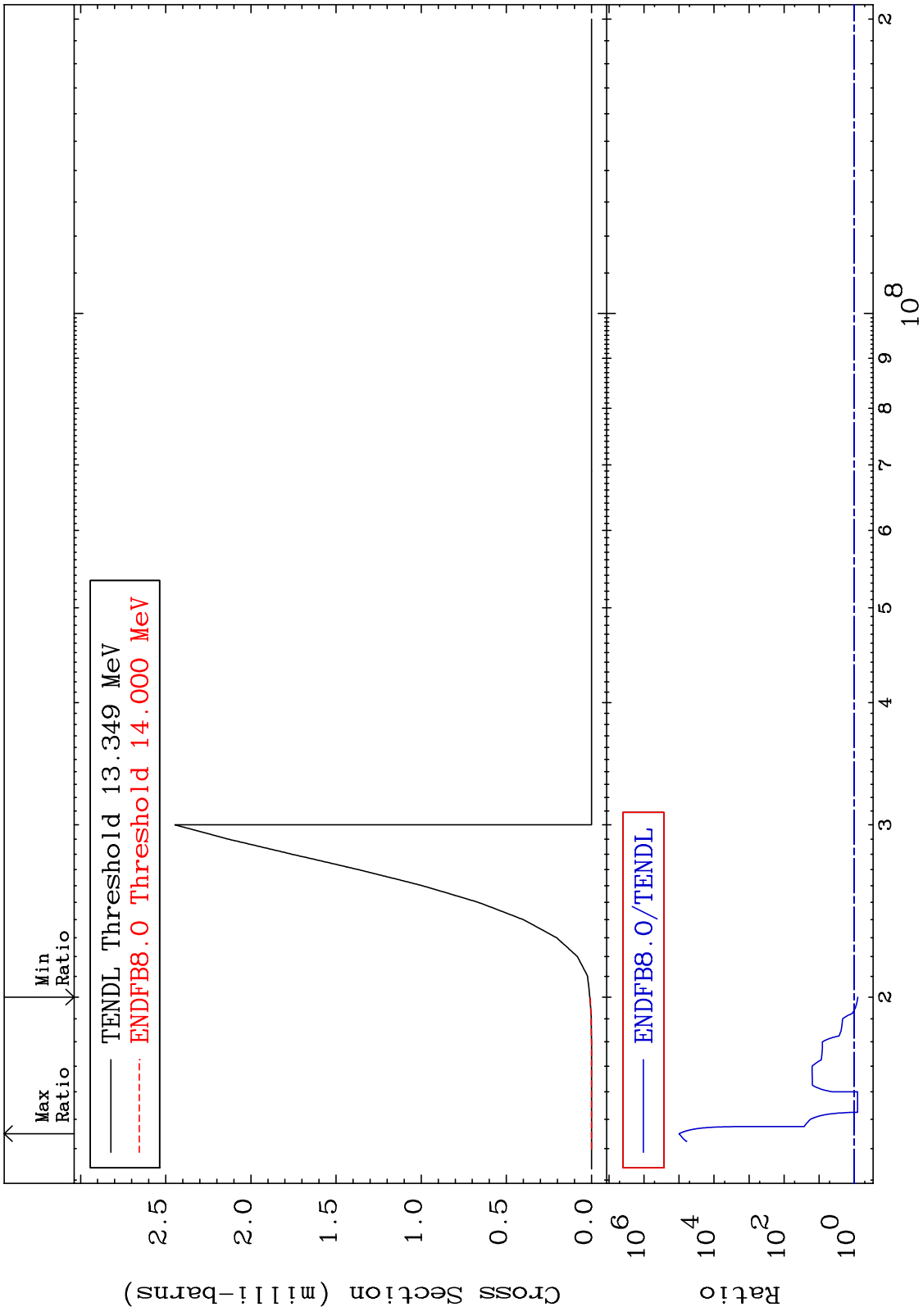


MAT 2234 (n,d) Cross Section 22-Ti-49
 -67.35 To 5358. %

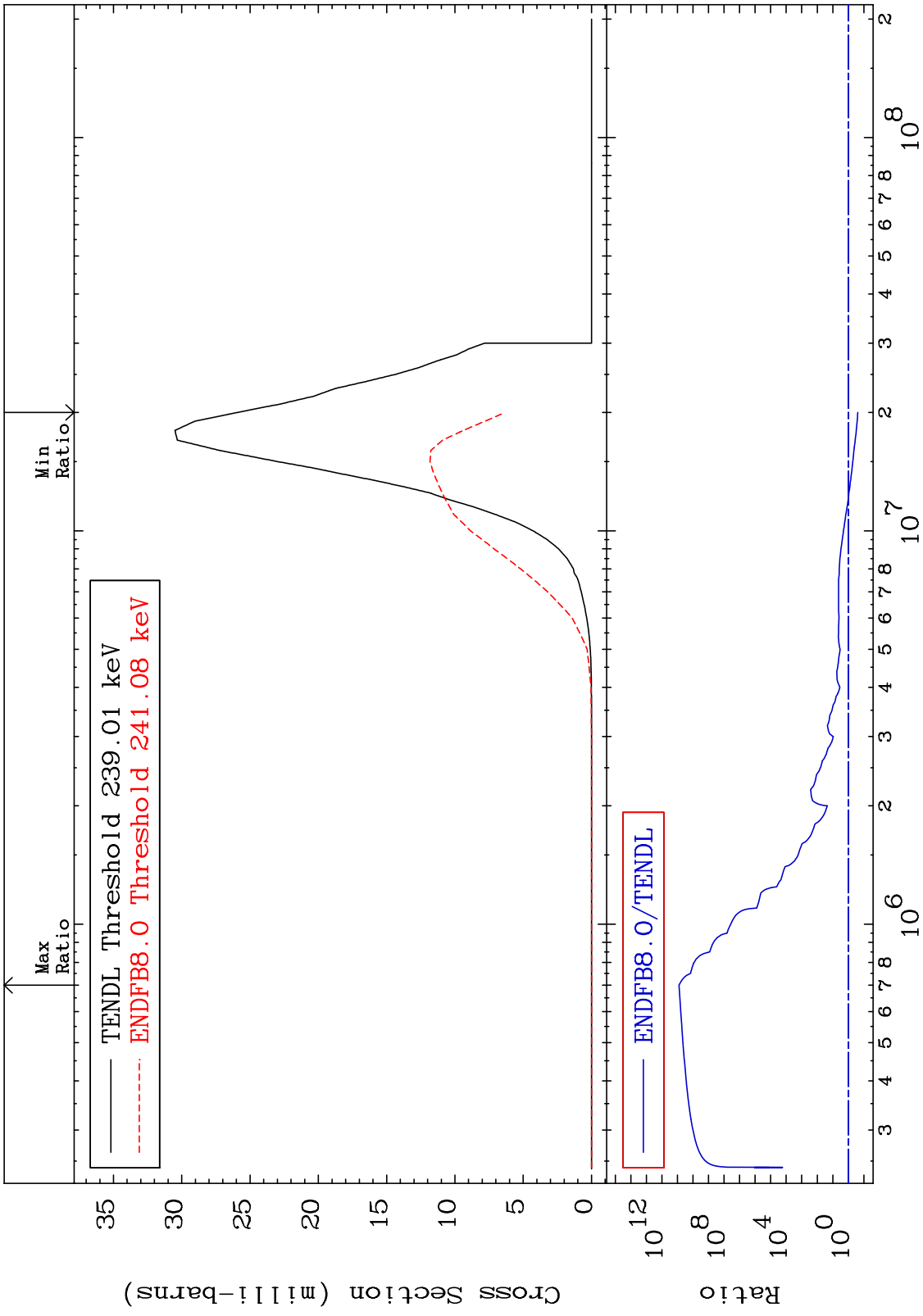


25 22-Ti-49

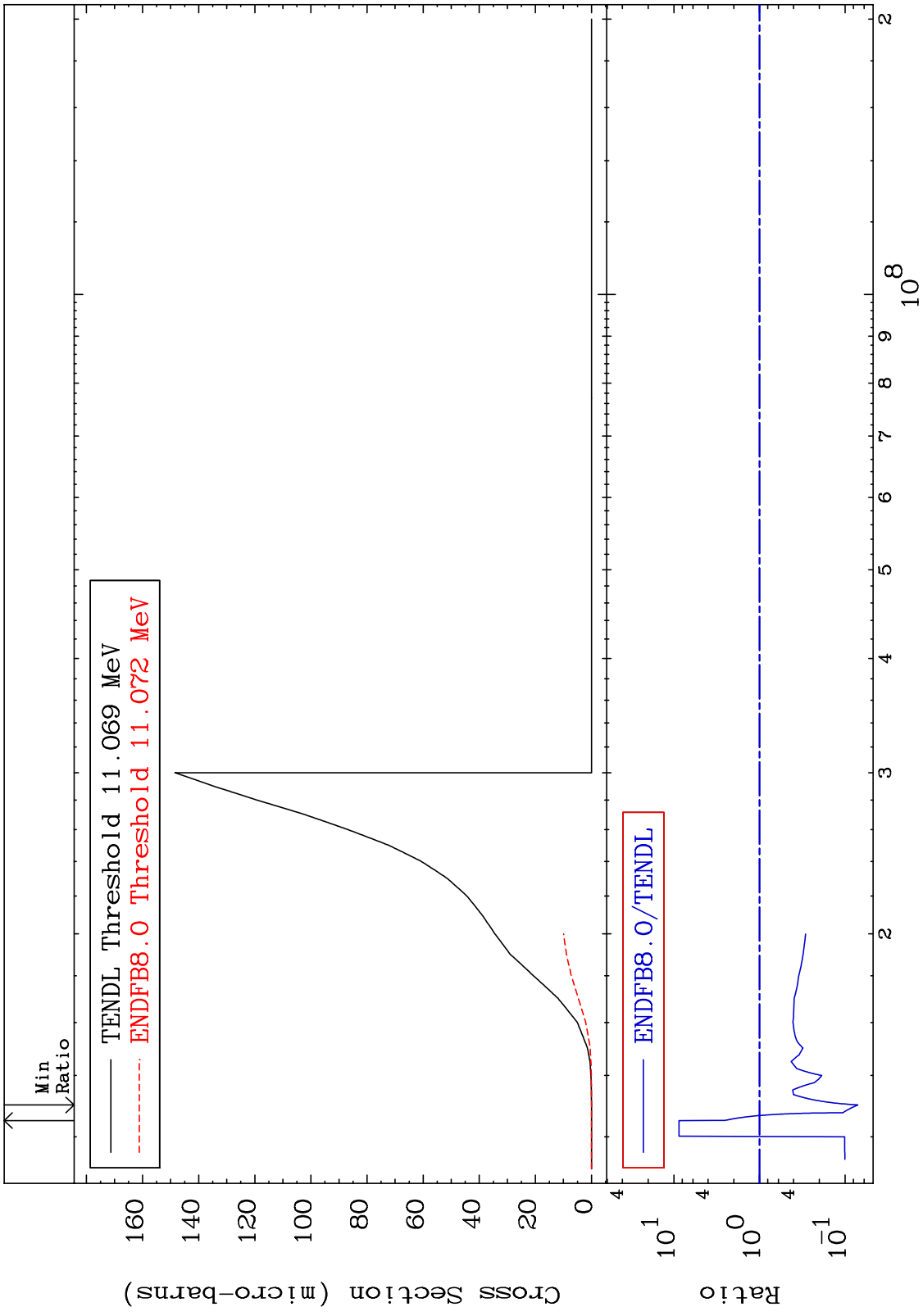




MAT 2234 (n,α) Cross Section 22-Ti-49
 -75.61 To 9999. %



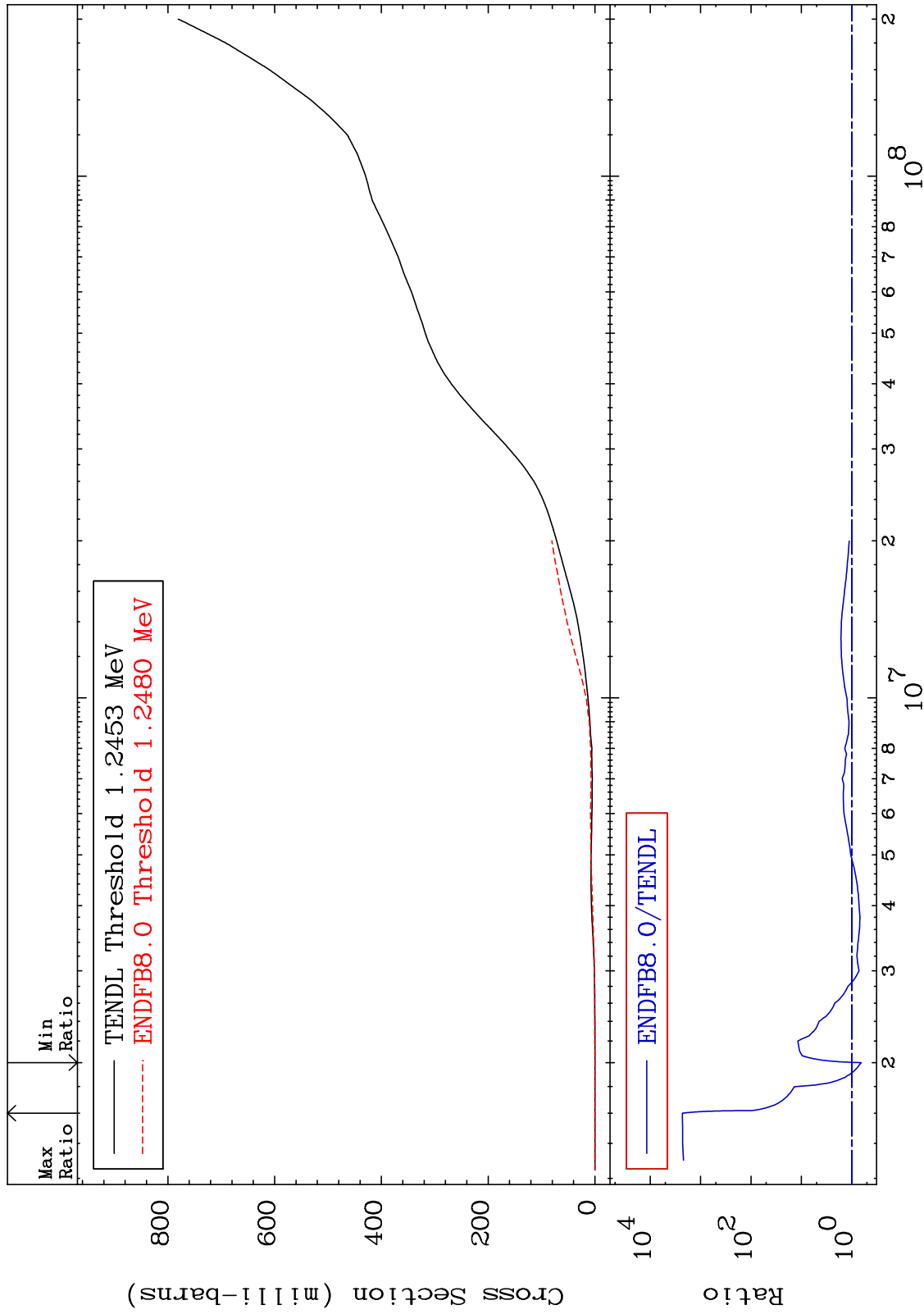
MAT 2234 (n,2p) Cross Section 22-Ti-49
 -92.90 To 771.7 %



MAT 2234

Hydrogen Production
Cross Section

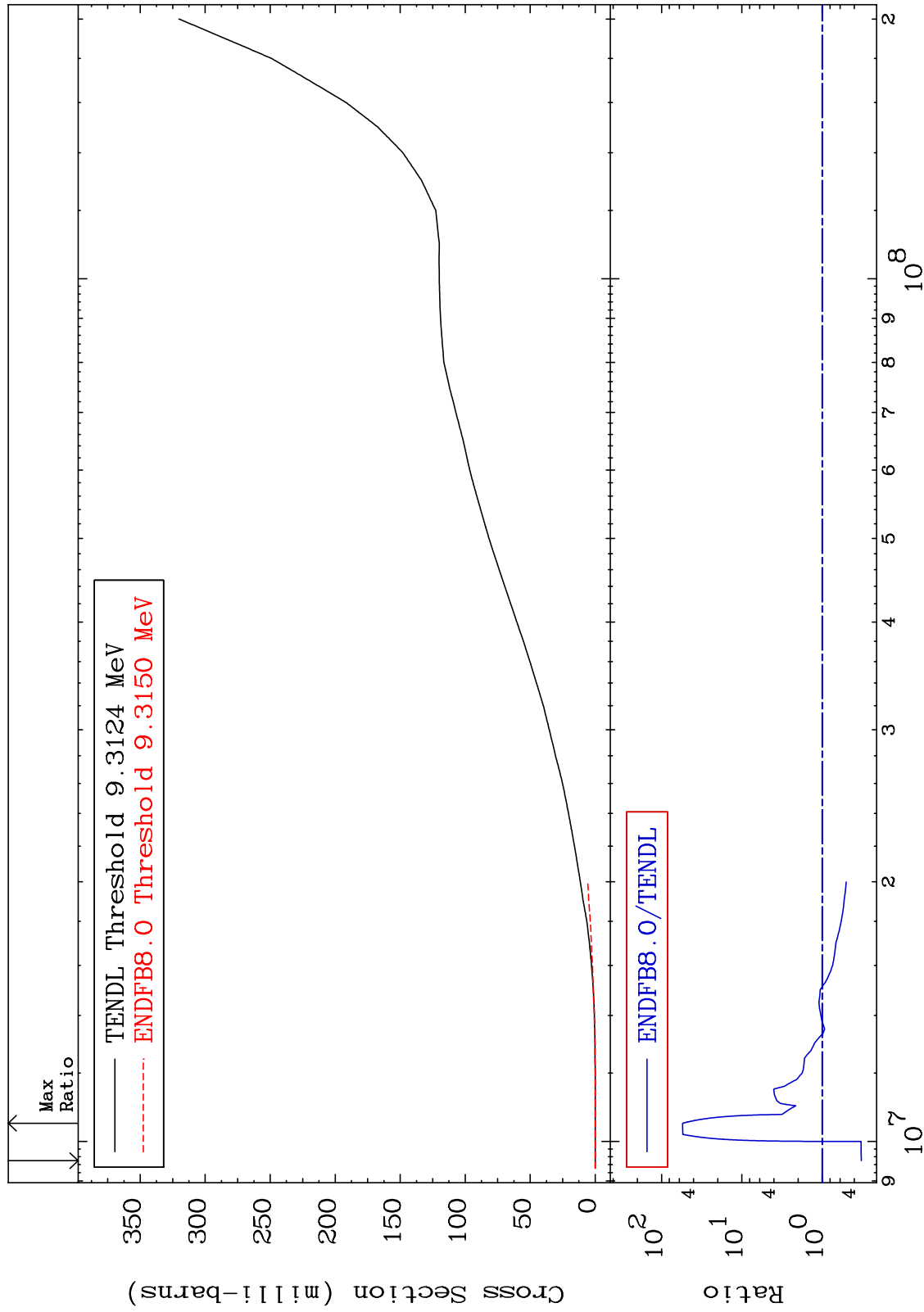
22-Ti-49
-35.18 To 9999. %

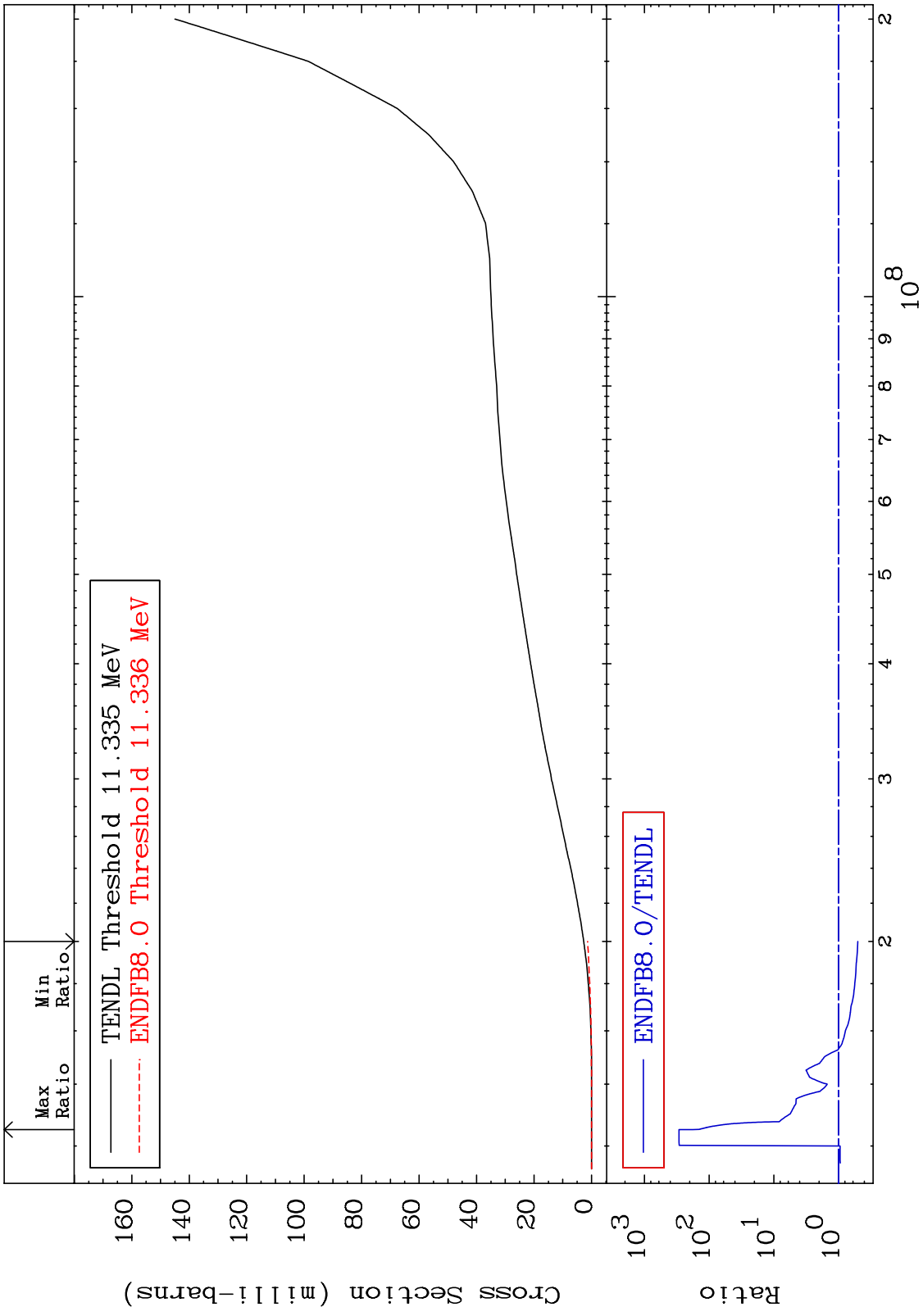


MAT 2234

Deuterium Production
Cross Section

22-Ti-49
-67.35 To 5358. %

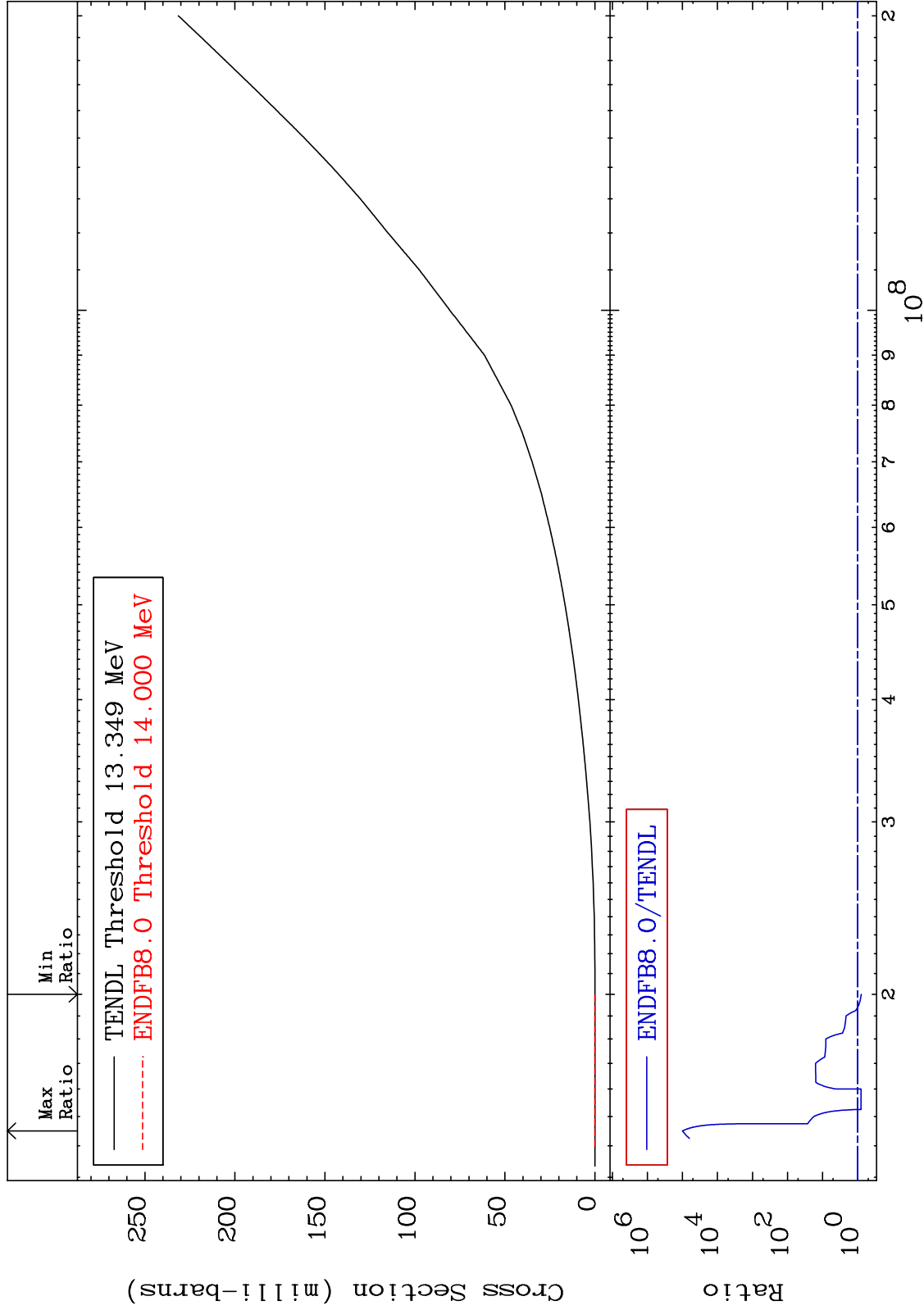




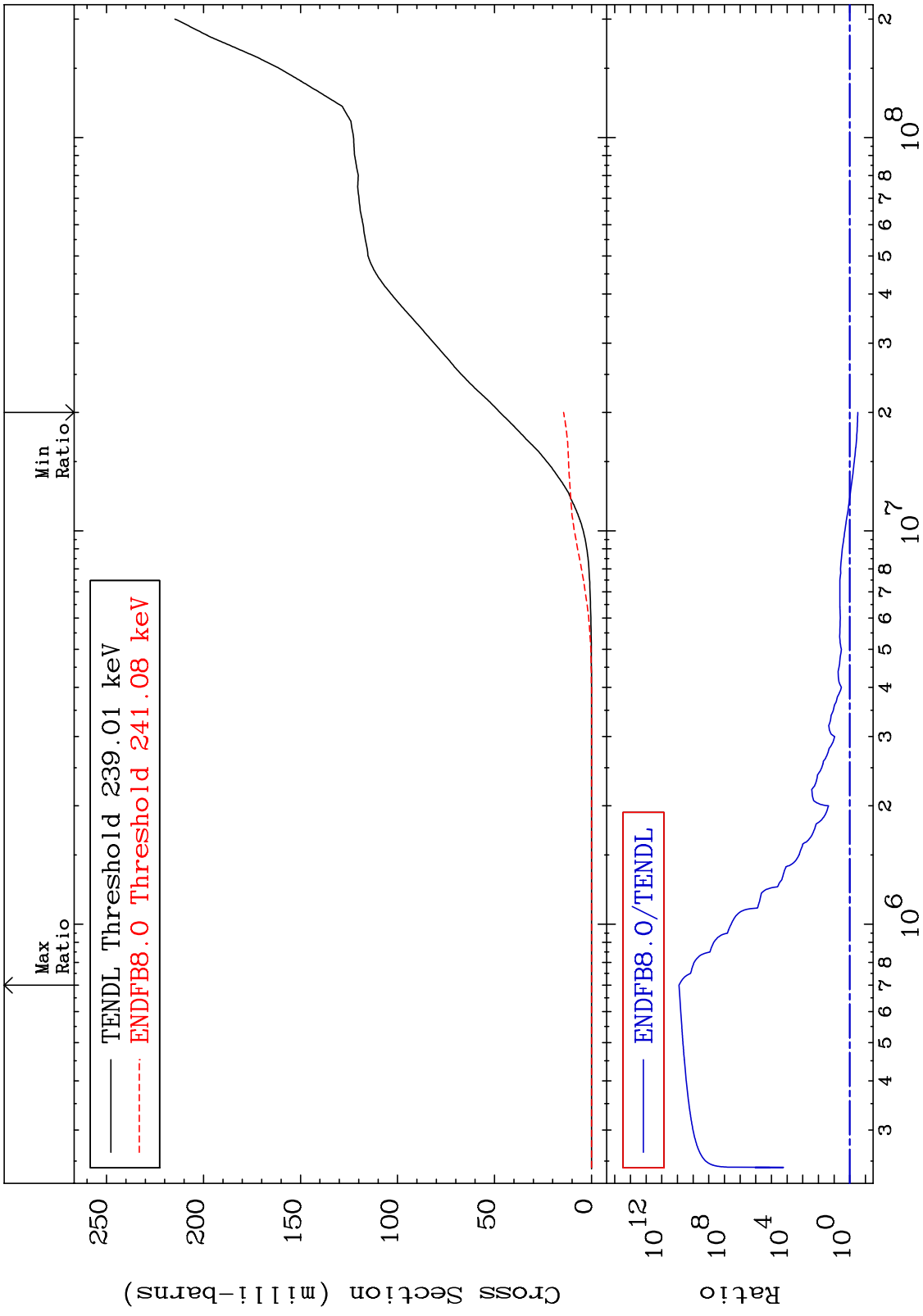
MAT 2234

He-3 Production
Cross Section

22-Ti-49
-21.56 To 9999. %

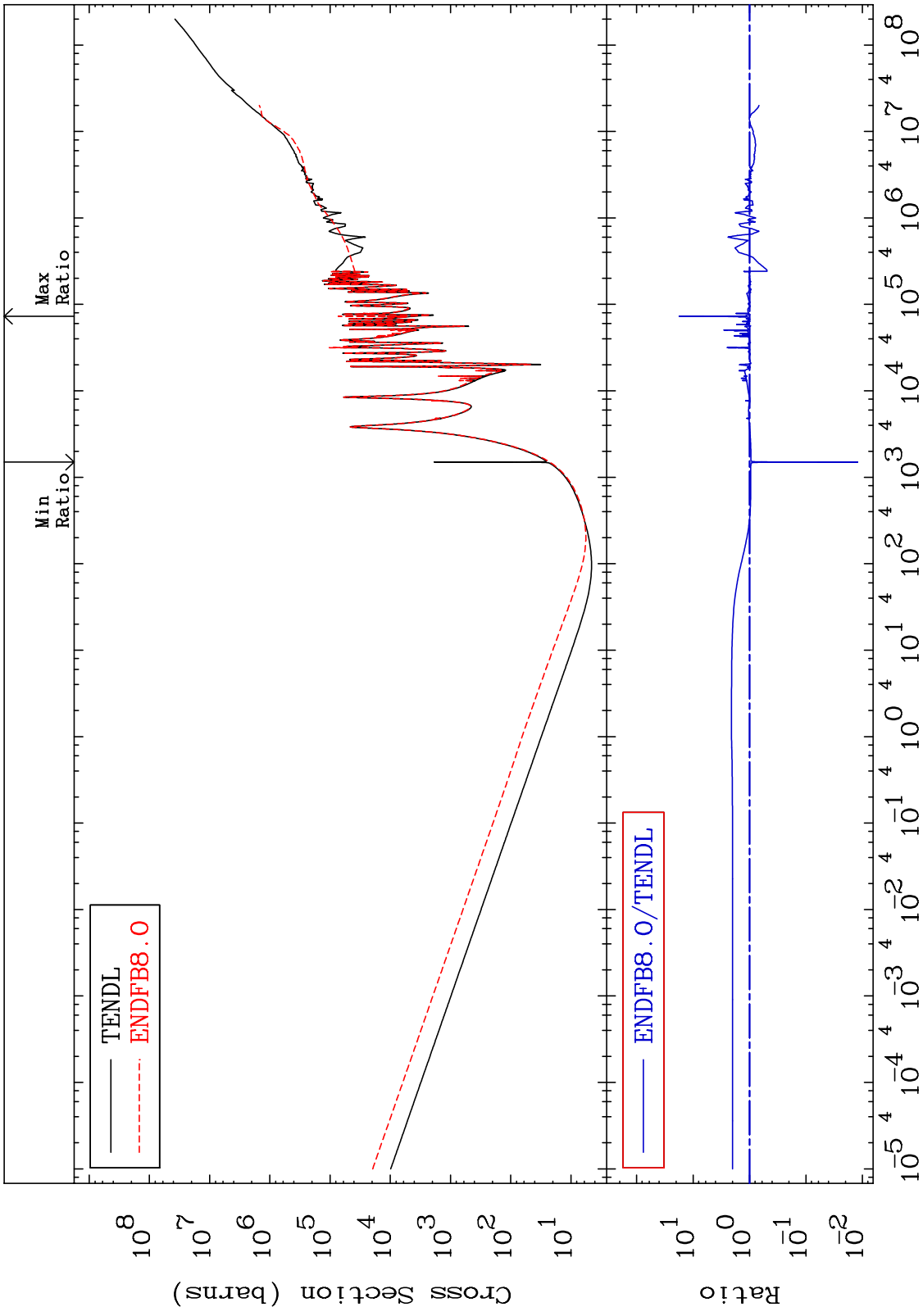


MAT 2234 He-4 Production Cross Section 22-Ti-49
 -69.51 To 9999. %



34 22-Ti-49

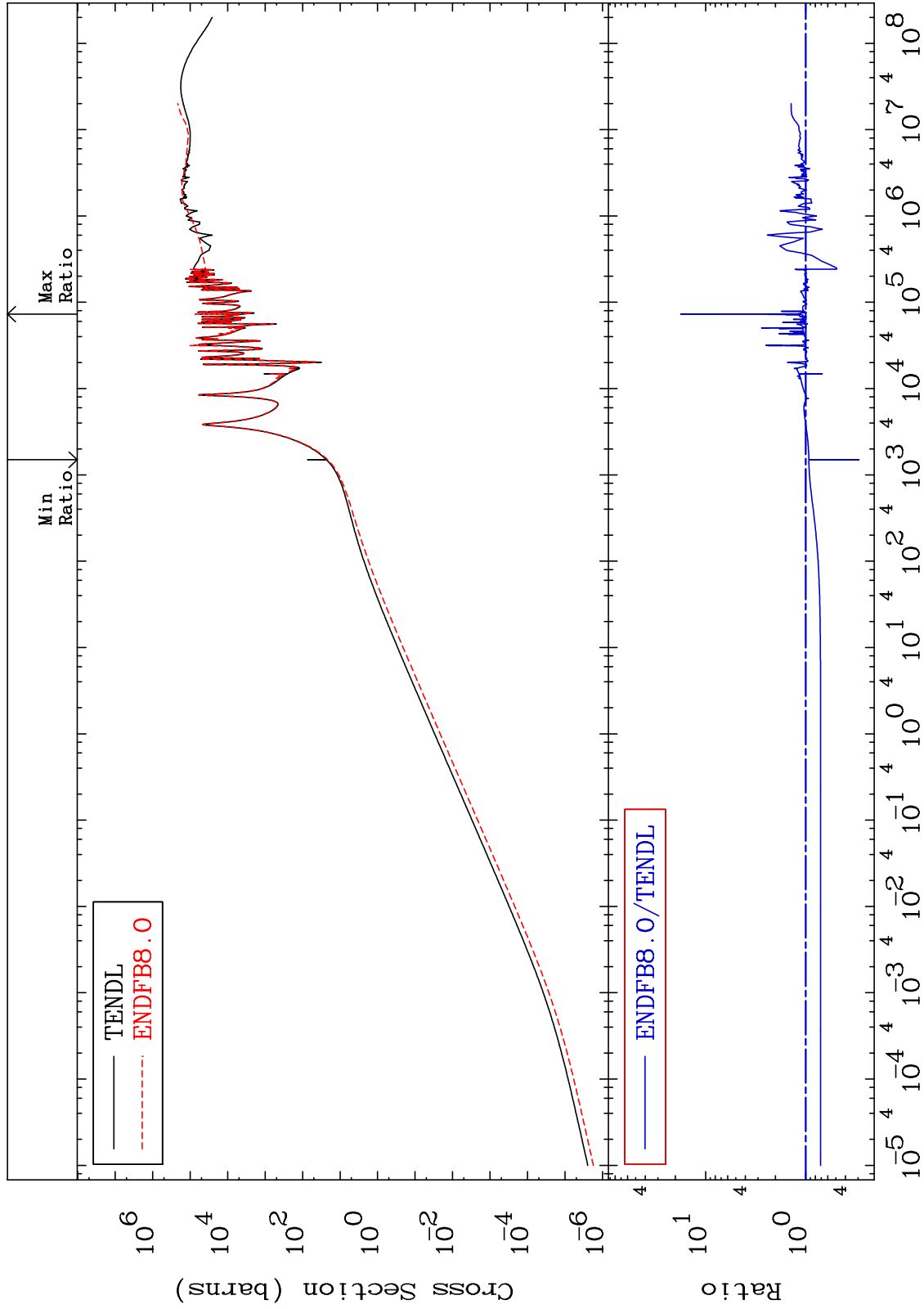
MAT 2234 Kerma total (eV-barns) 22-Ti-49
 Cross Section -98.79 To 1674. %



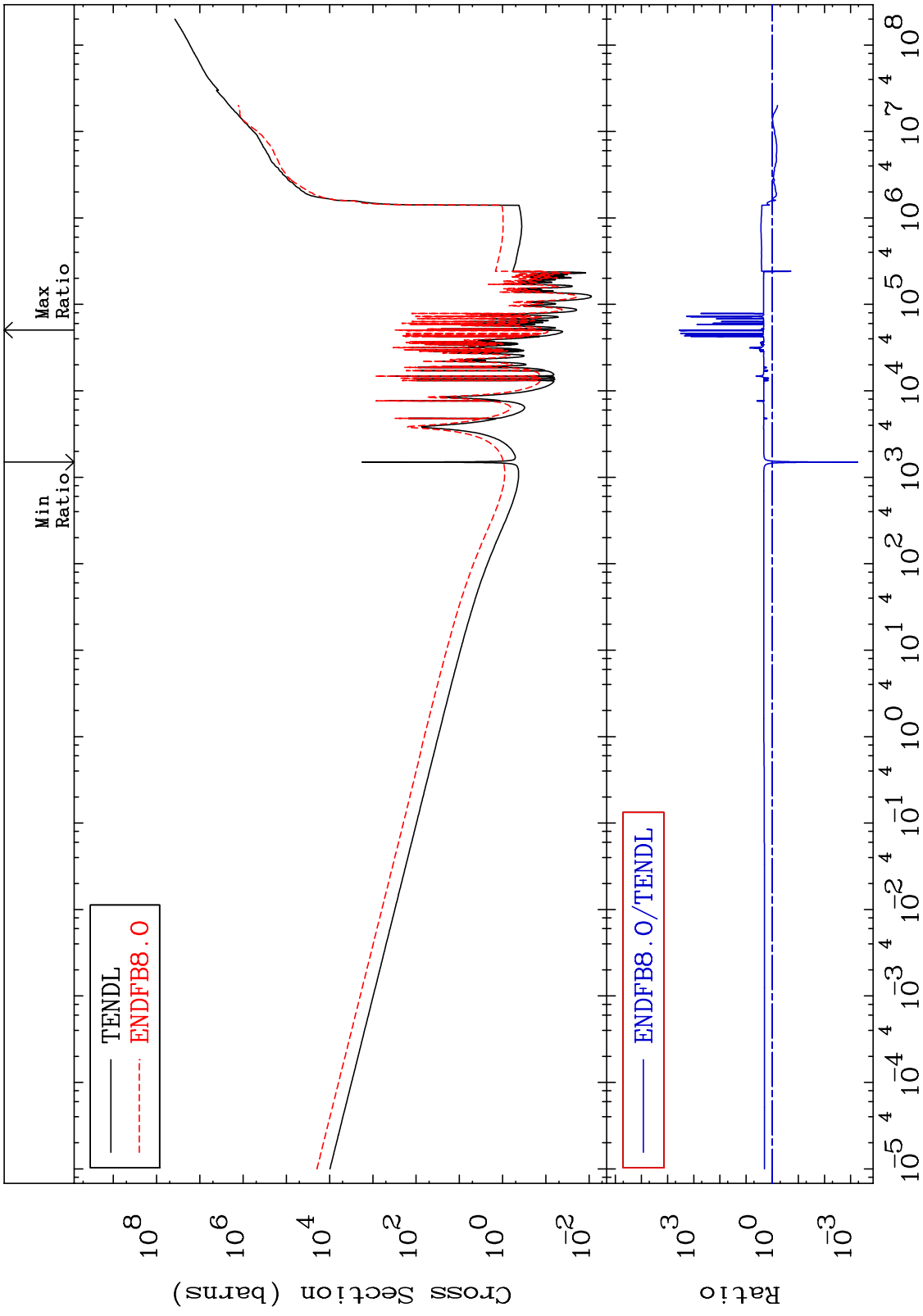
MAT 2234

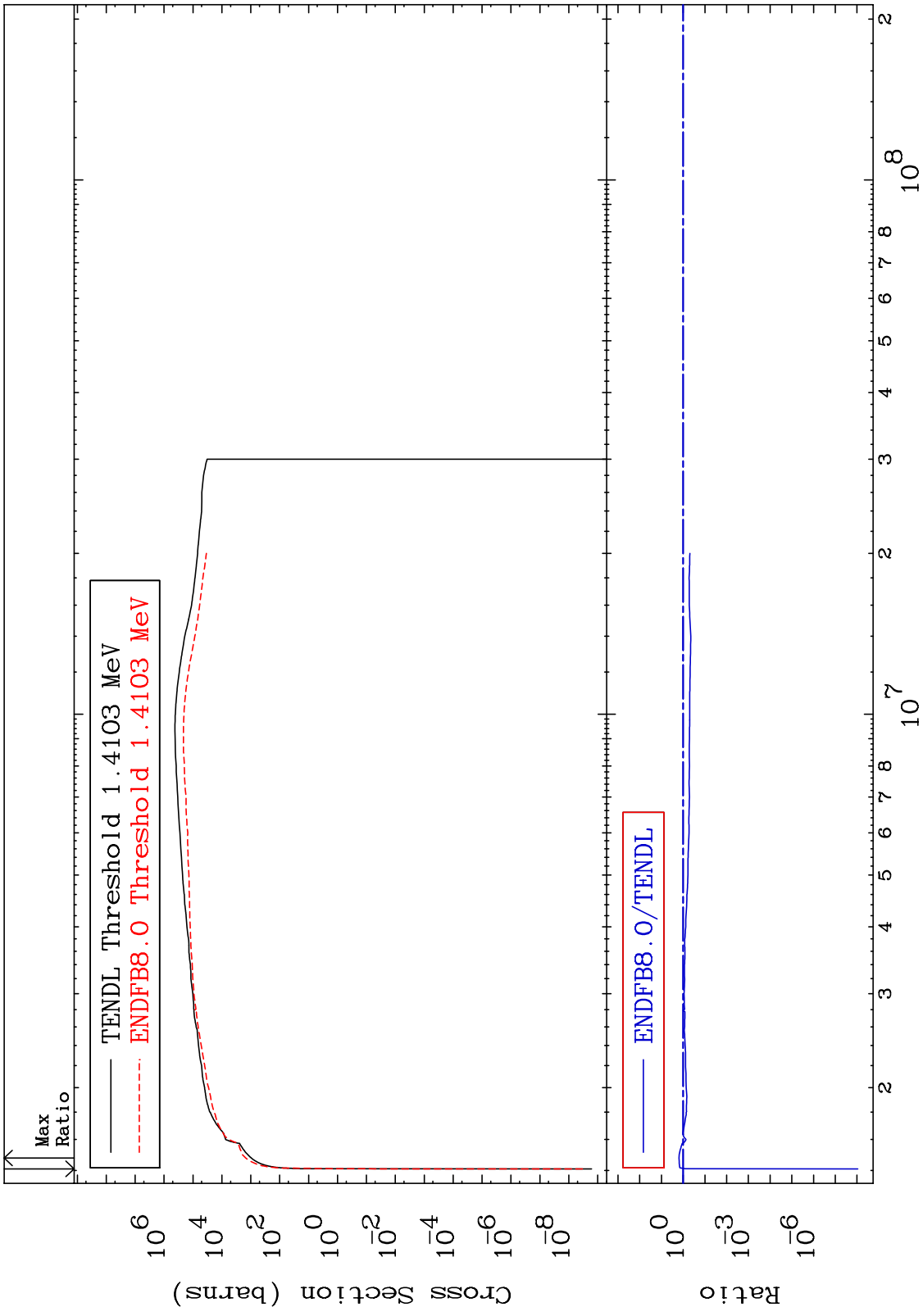
Kerma elastic
Cross Section

22-Ti-49
-70.70 To 1674. %



MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49
 Cross Section -99.95 To 9999. %

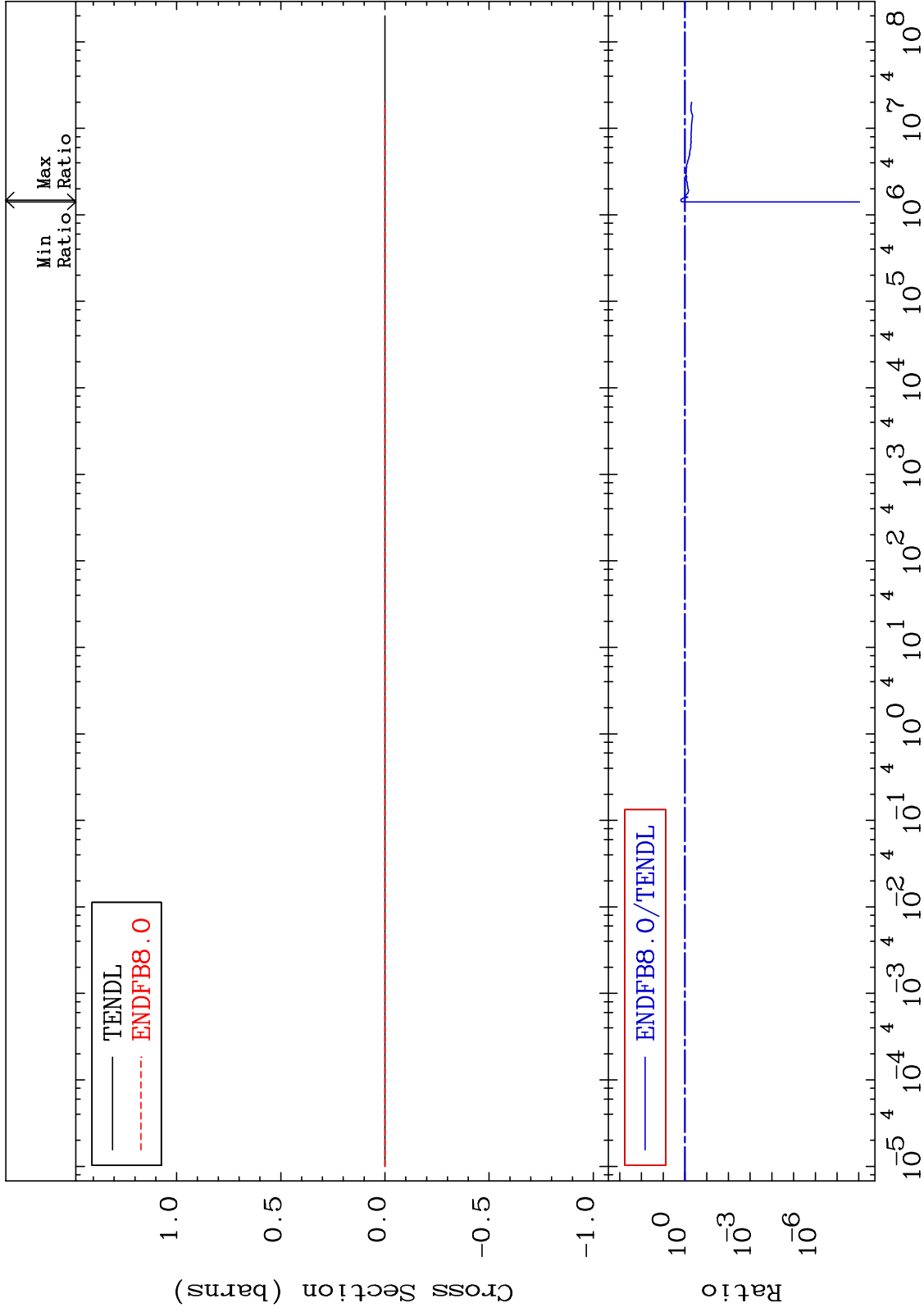




MAT 2234

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

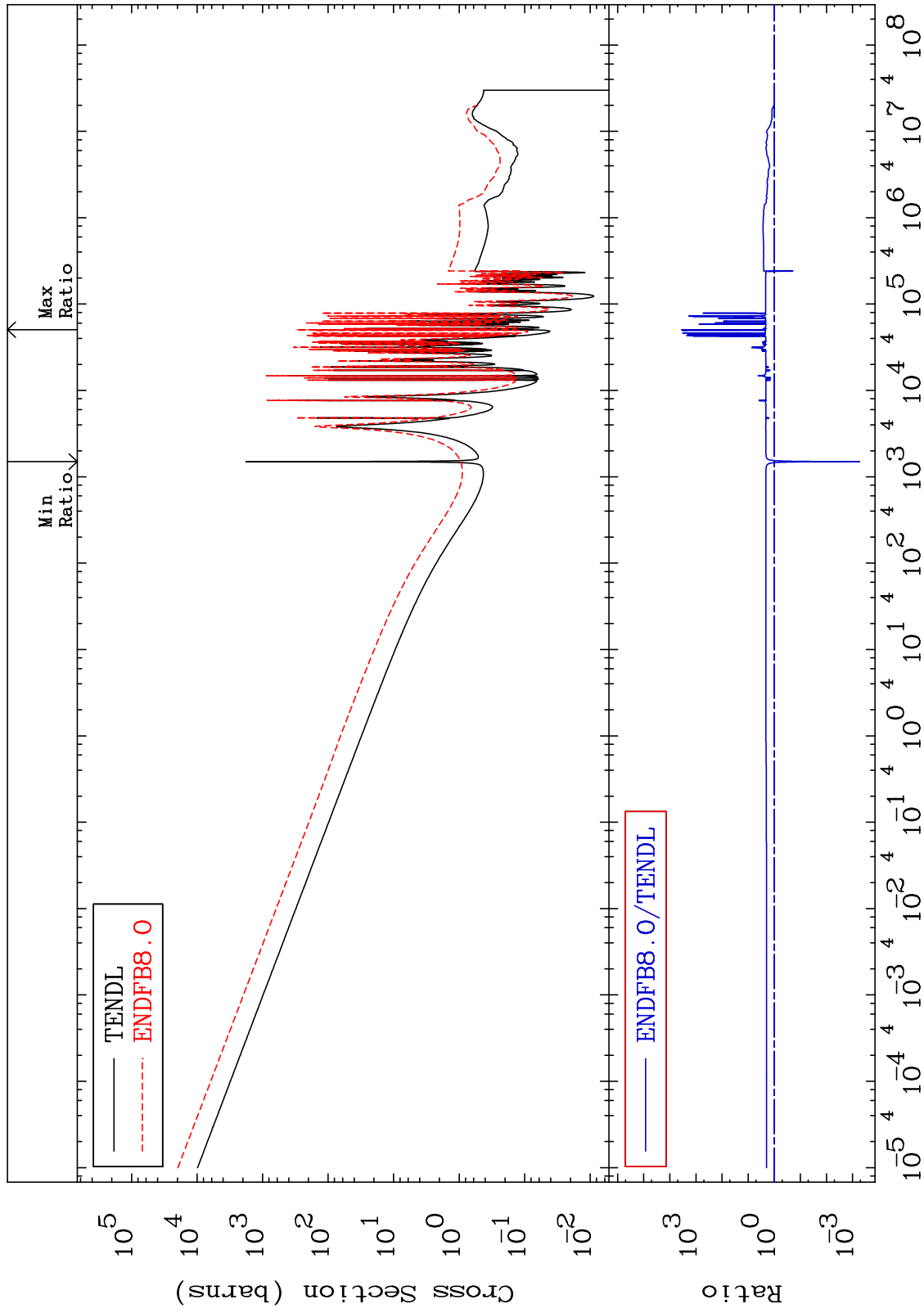
22-Ti-49
-100.0 To 54.77 %



MAT 2234

Kerma capture (mt102)
Cross Section

22-Ti-49
-99.95 To 9999. %

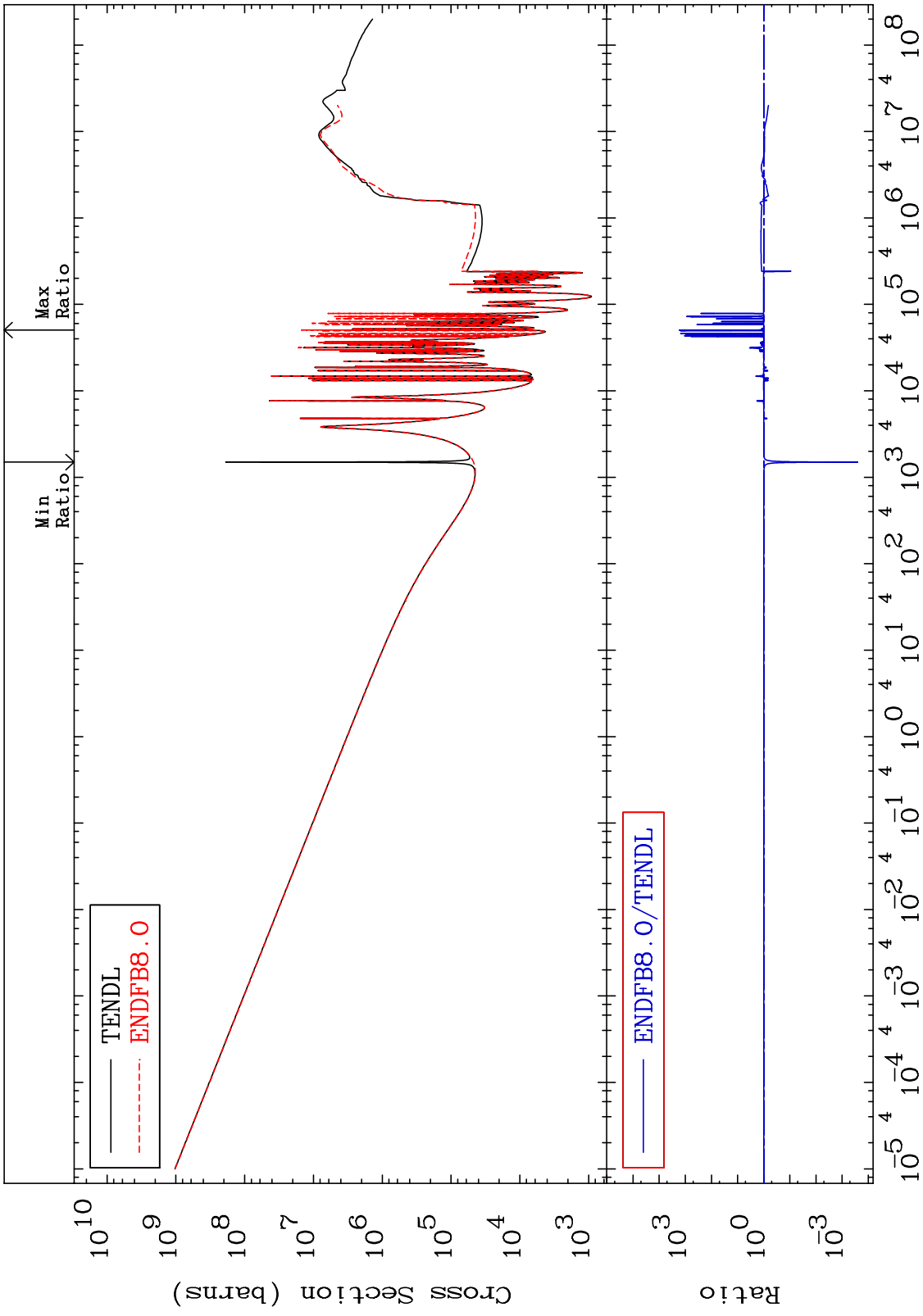


40

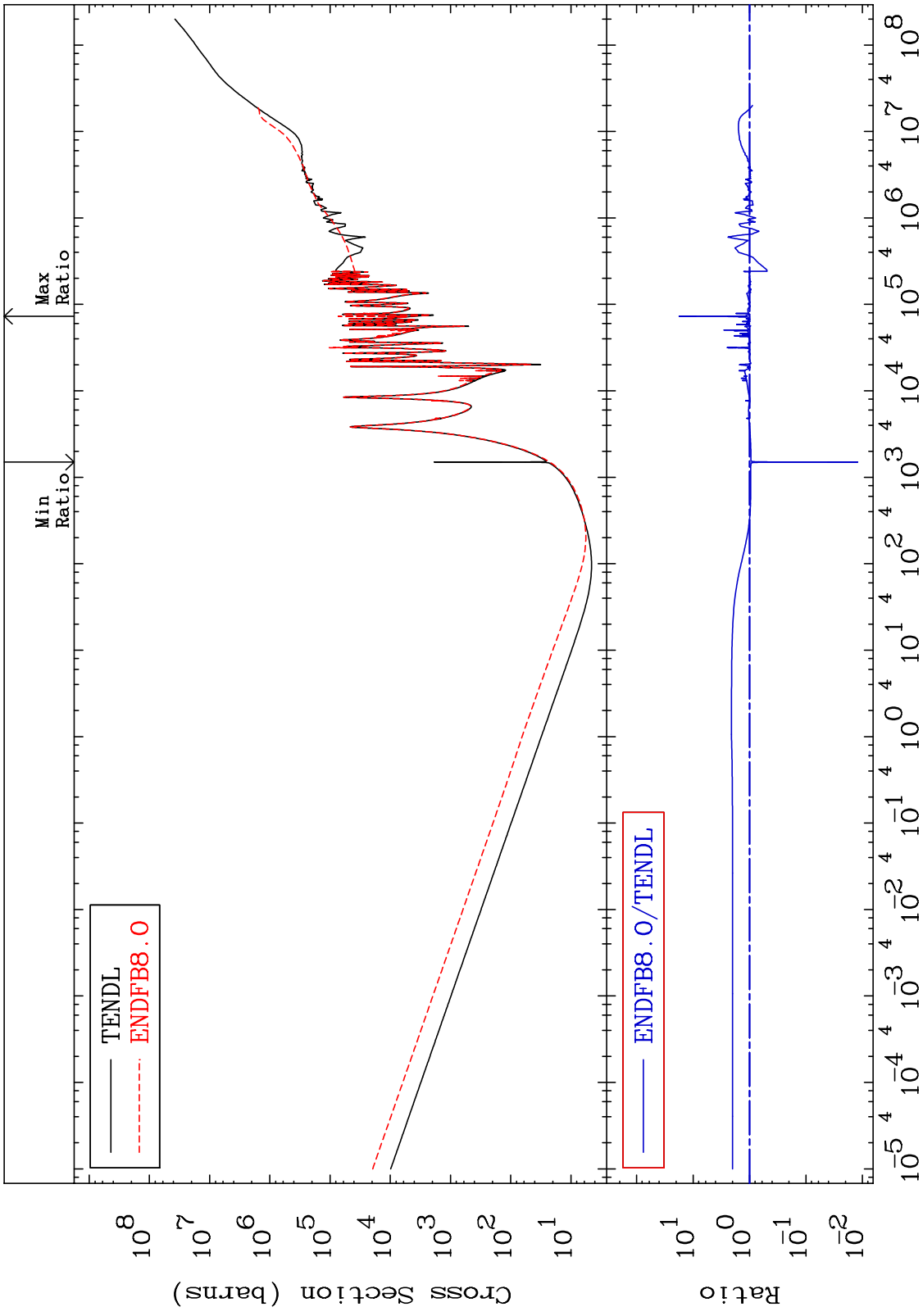
Incident Energy (eV)

22-Ti-49

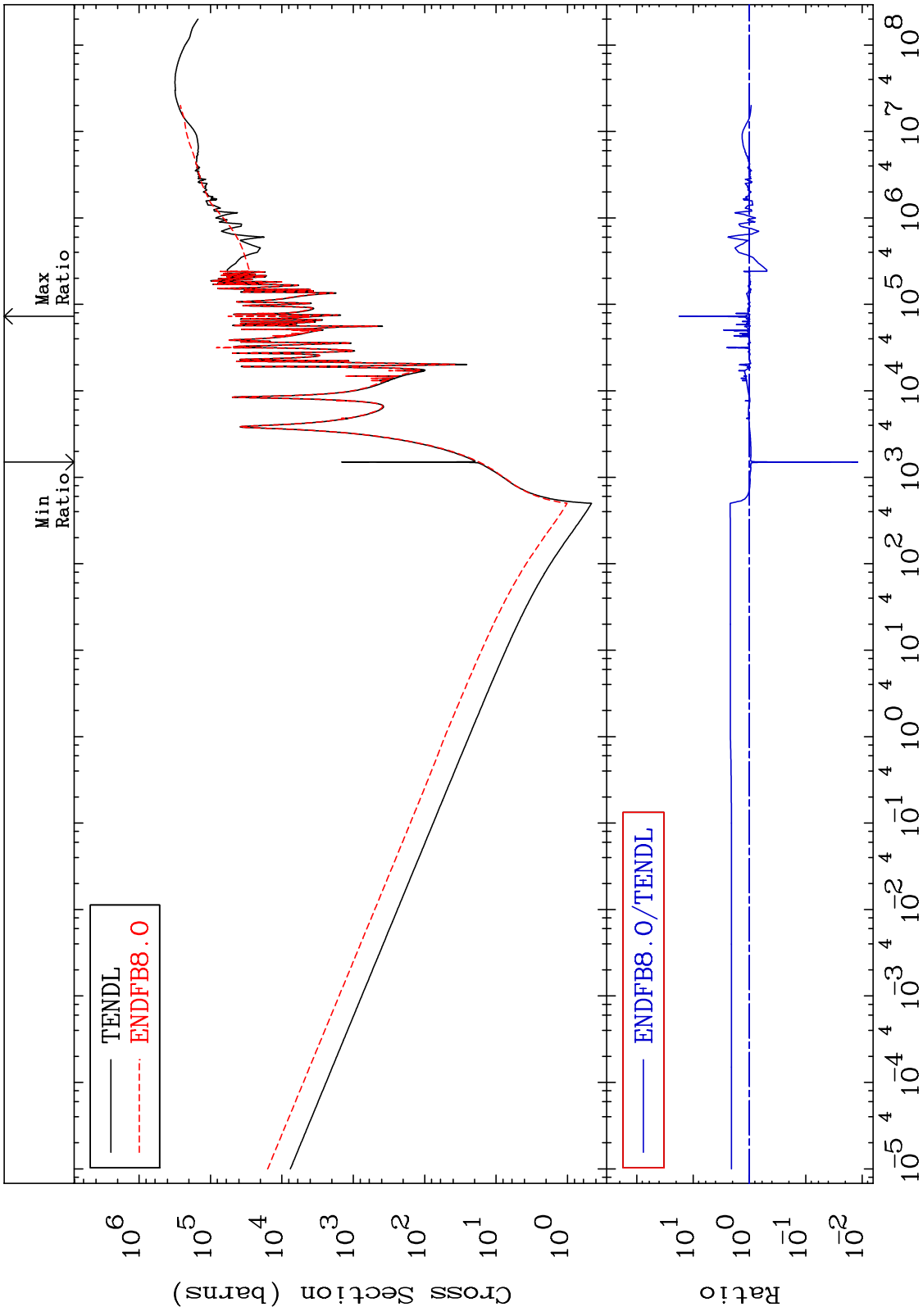
MAT 2234 22-Ti-49
 Total photon (eV-barns) -99.97 To 9999. %
 Cross Section



MAT 2234 Total kinematic kerma (high limit) 22-Ti-49
 Cross Section -98.79 To 1674. %



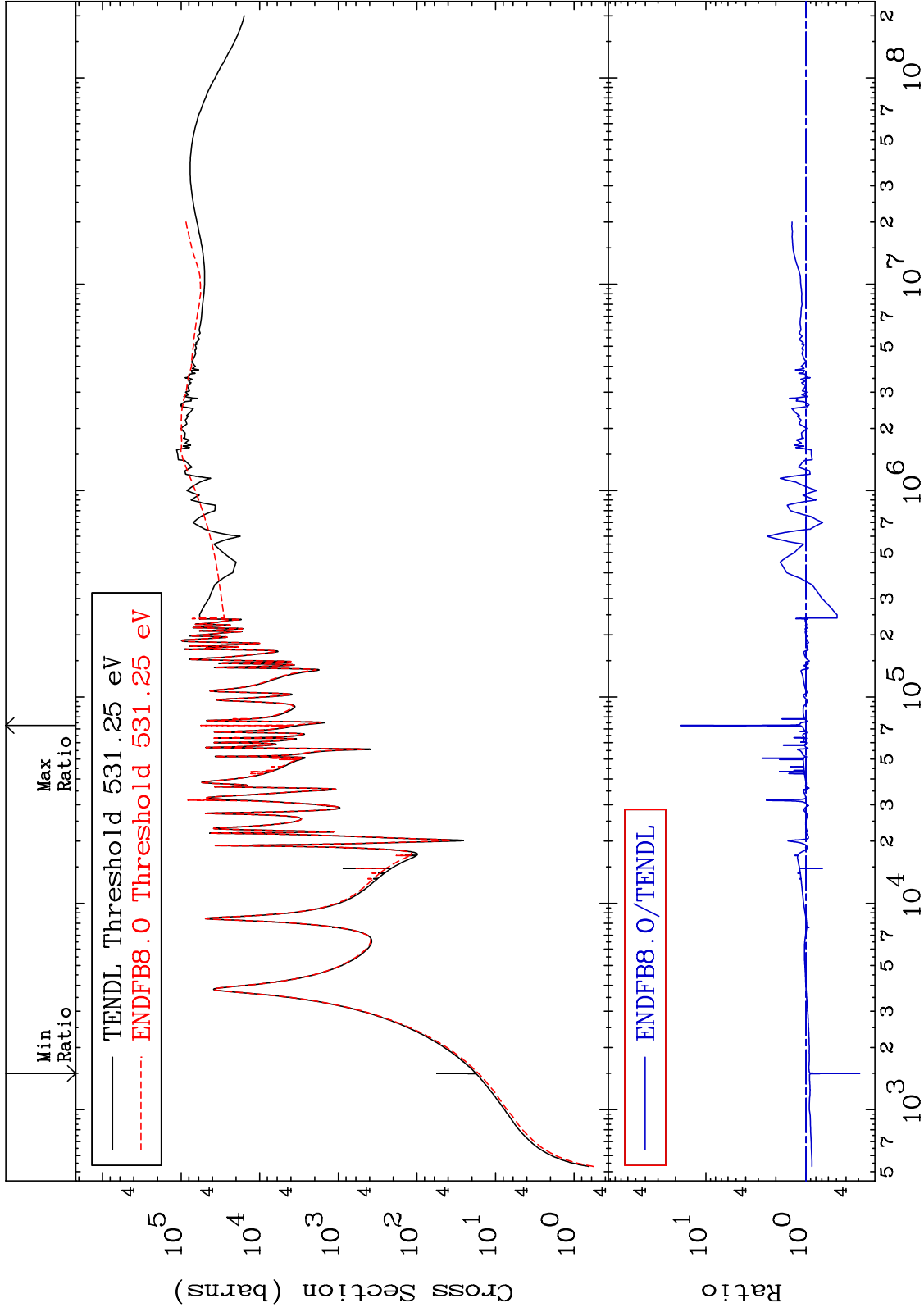
MAT 2234 Dpa total (eV-barns) 22-Ti-49
 Cross Section -98.80 To 1675. %

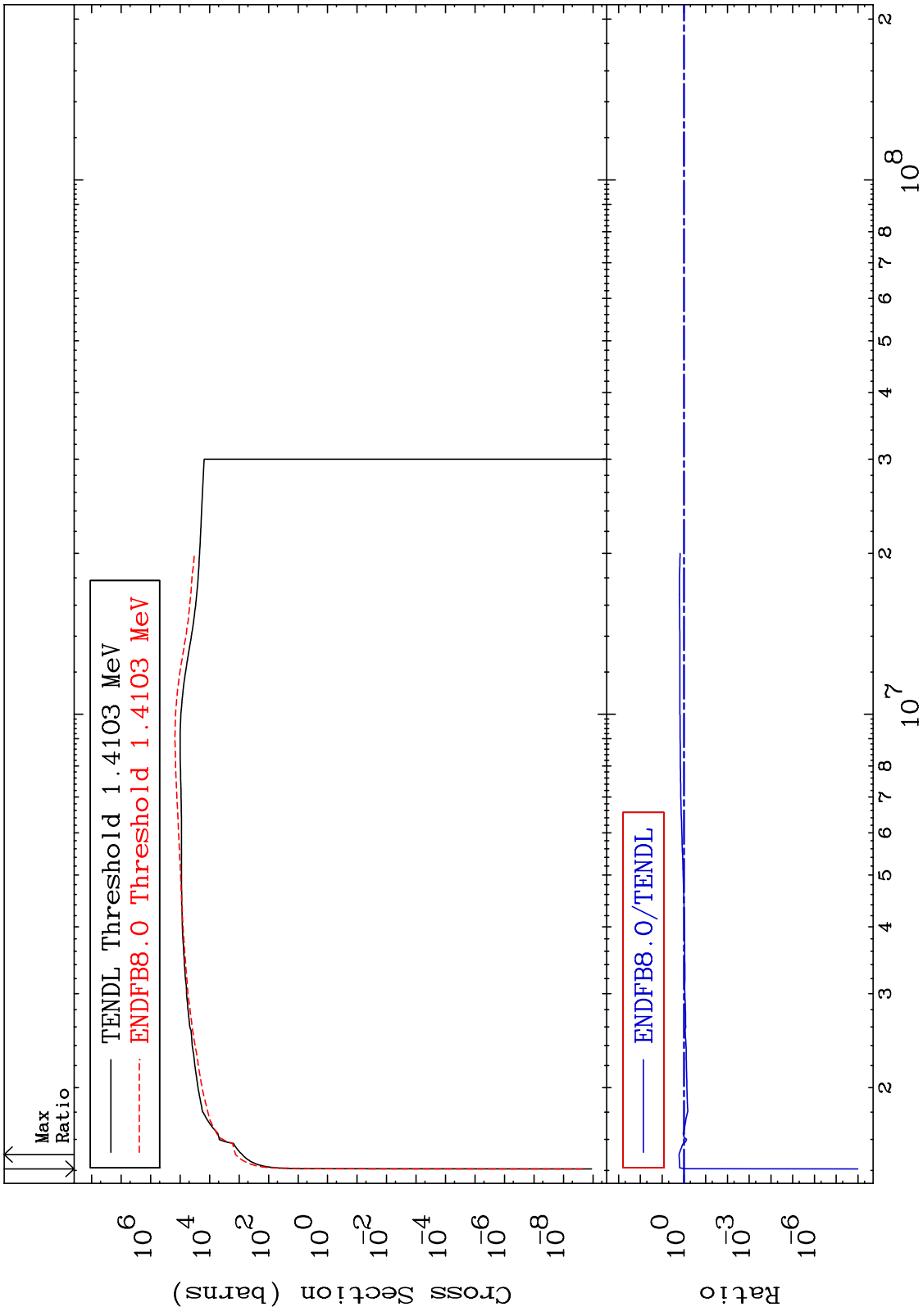


MAT 2234

Dpa elastic (mt2)
Cross Section

22-Ti-49
-70.72 To 1674. %

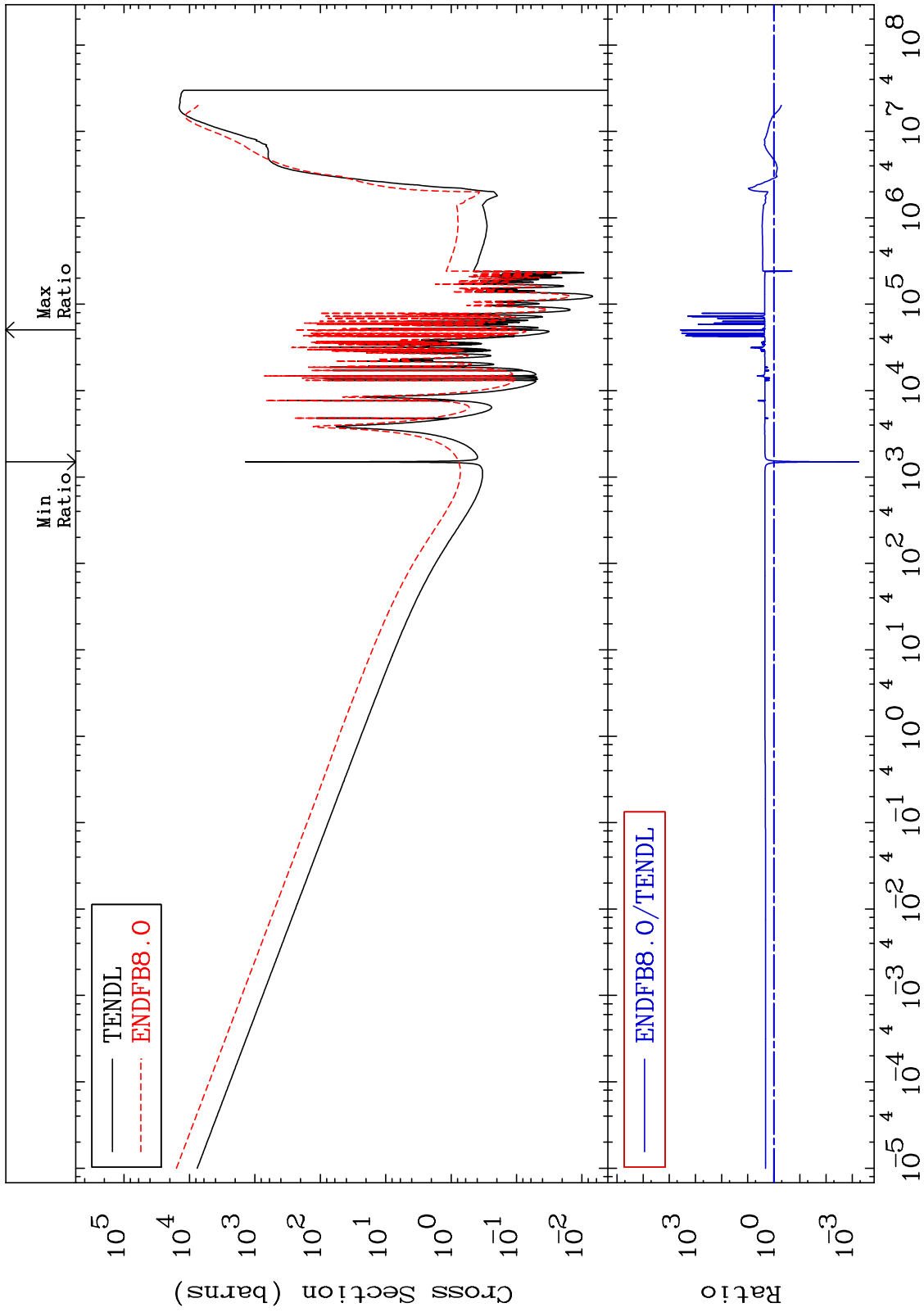




MAT 2234

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-49
-99.94 To 9999. %



46

Incident Energy (eV)

22-Ti-49