

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

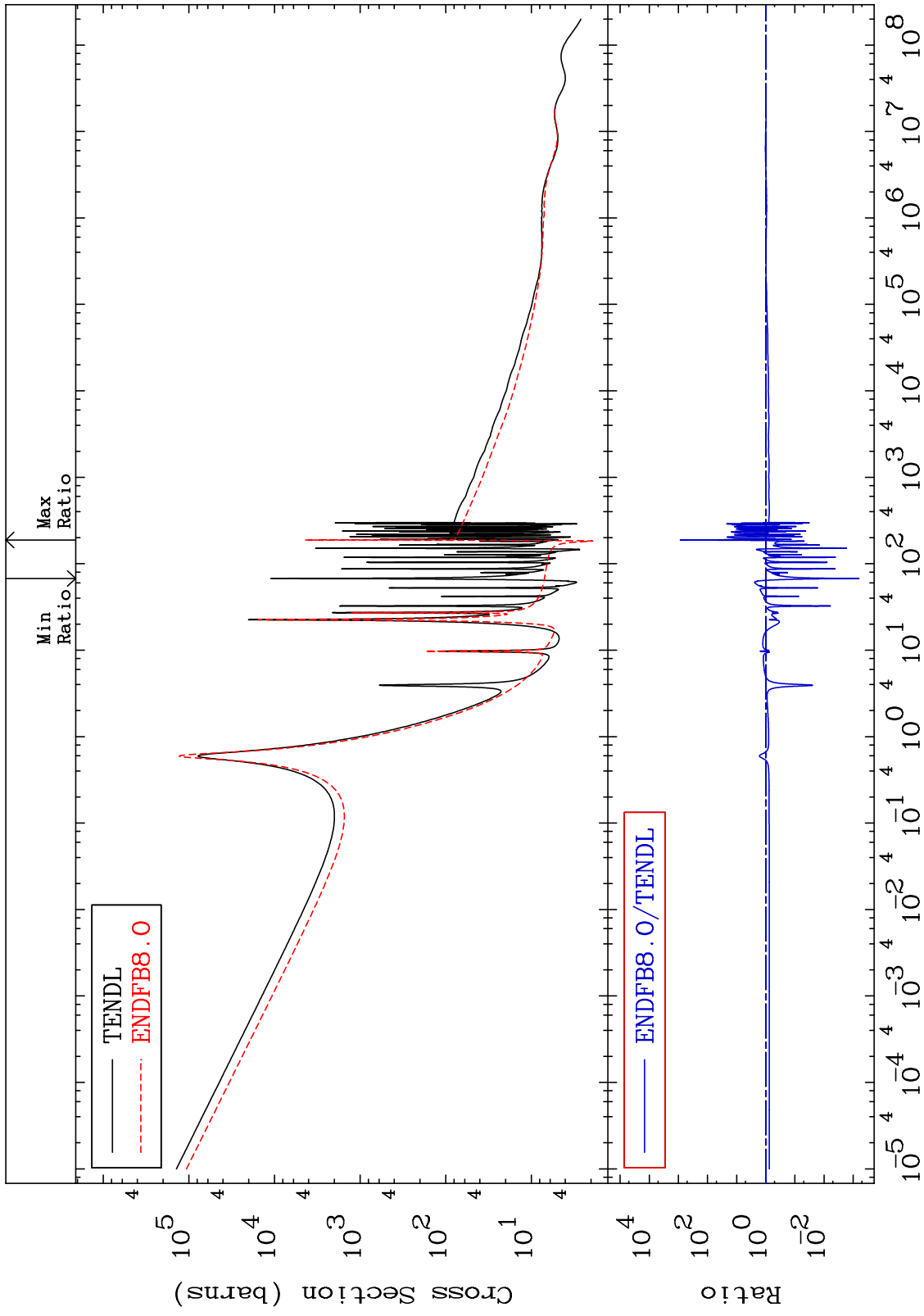
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7025

Total
Cross Section

70-Yb-168
-99.94 To 9999. %

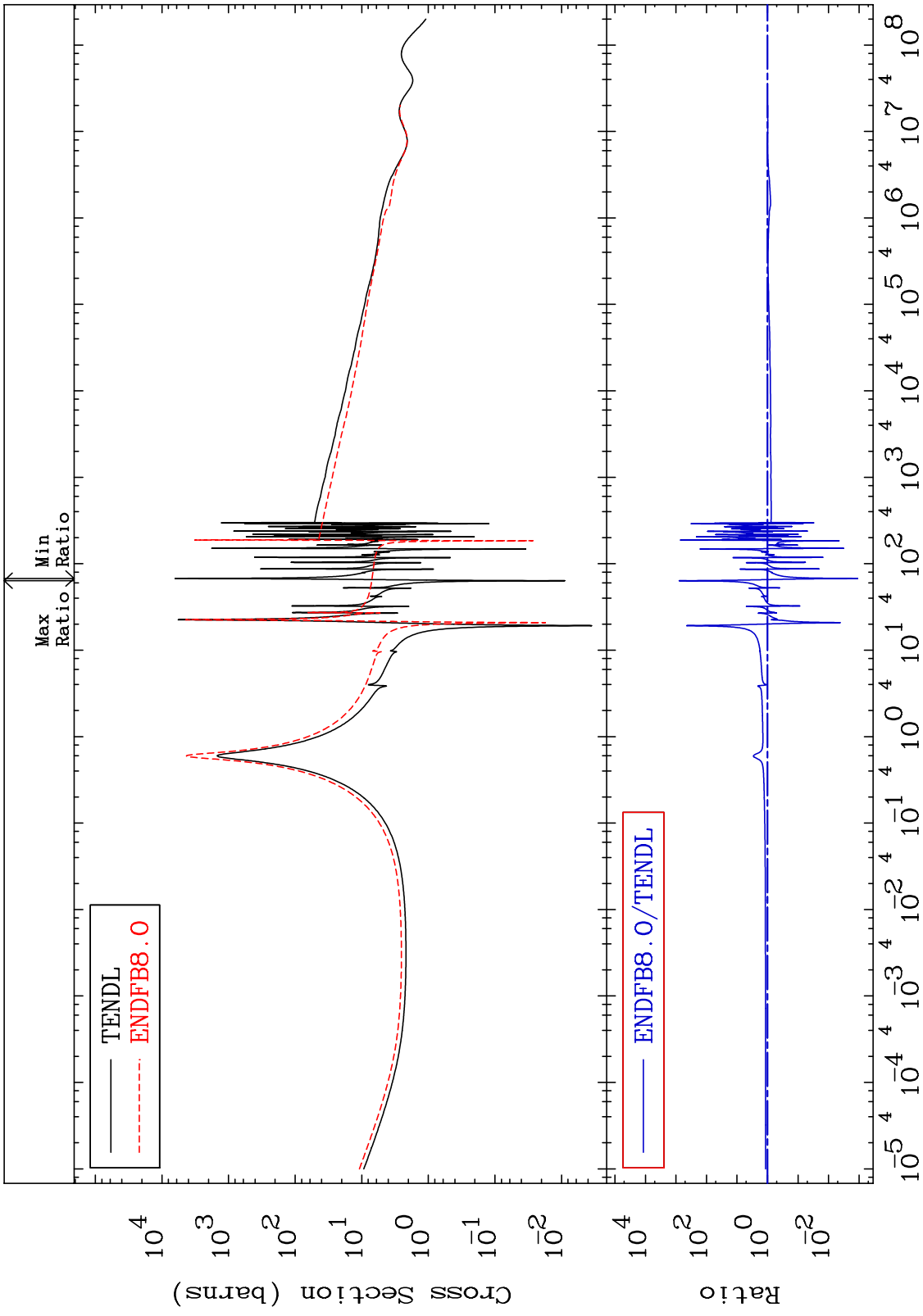


1

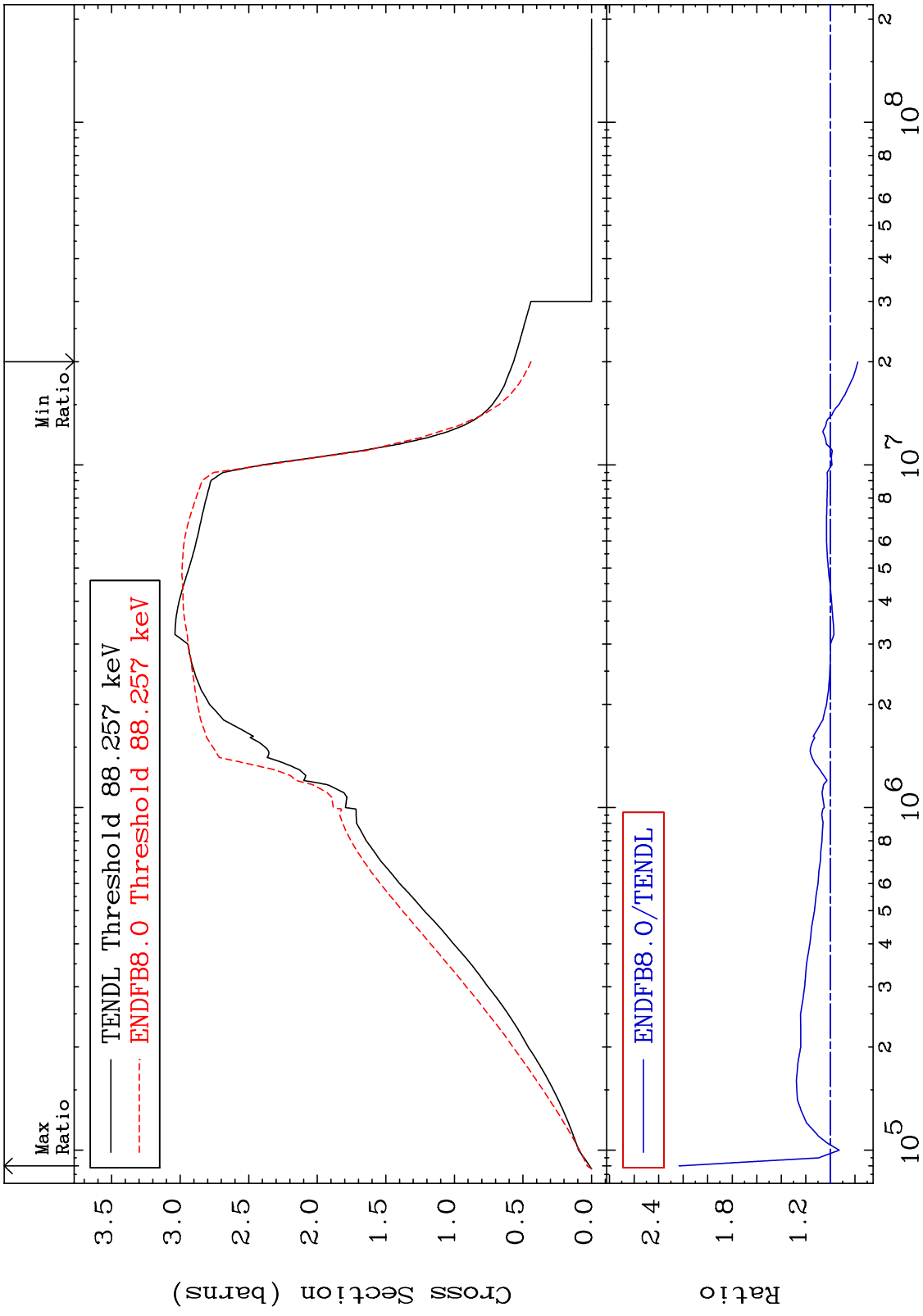
Incident Energy (eV)

70-Yb-168

MAT 7025 Elastic Cross Section 70-Yb-168 -99.89 To 9999. %

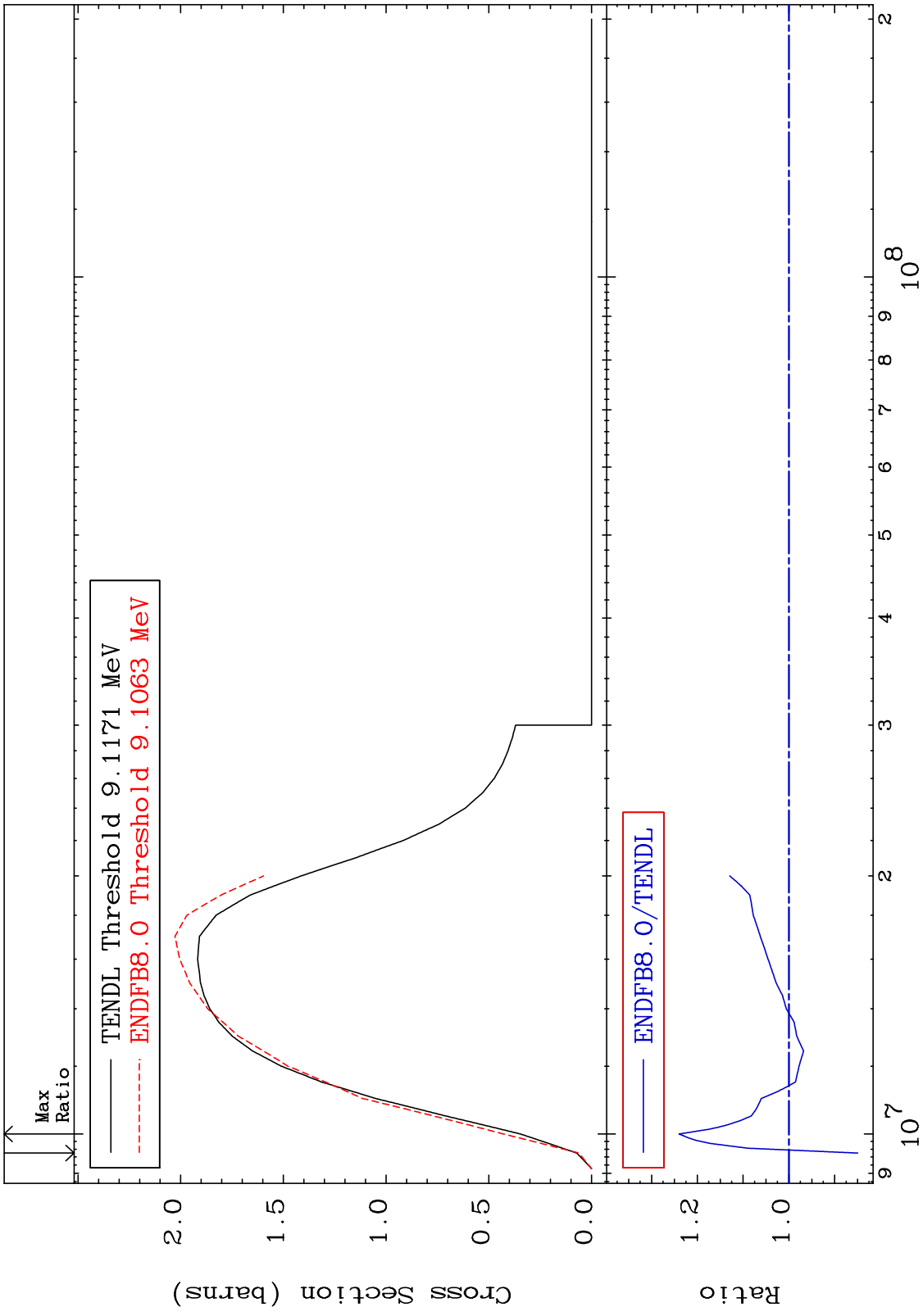


MAT 7025 Inelastic Cross Section 70-Yb-168 -22.40 To 123.3 %



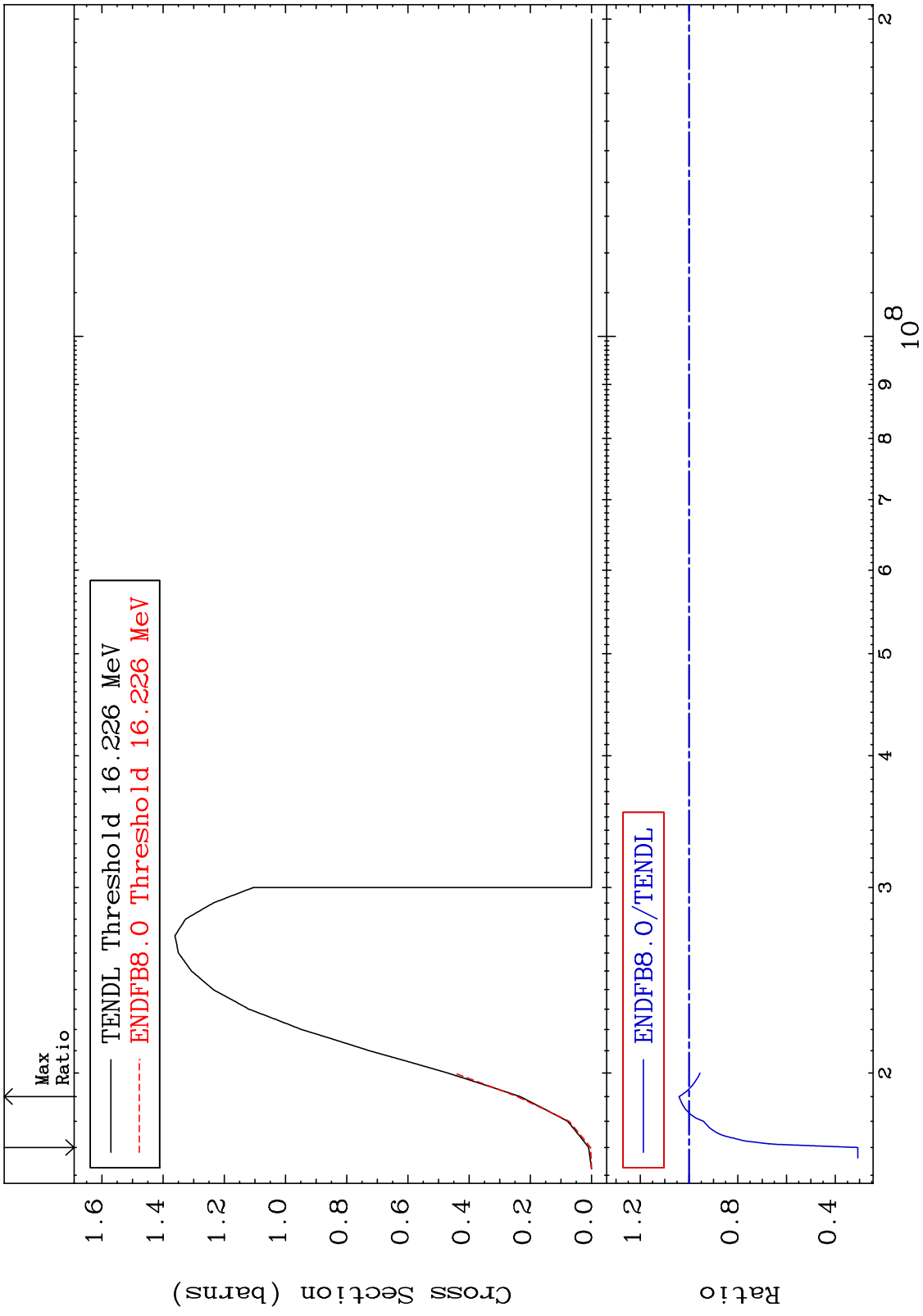
3 70-Yb-168

MAT 7025 (n,2n) Cross Section 70-Yb-168 -15.06 To 23.99 %



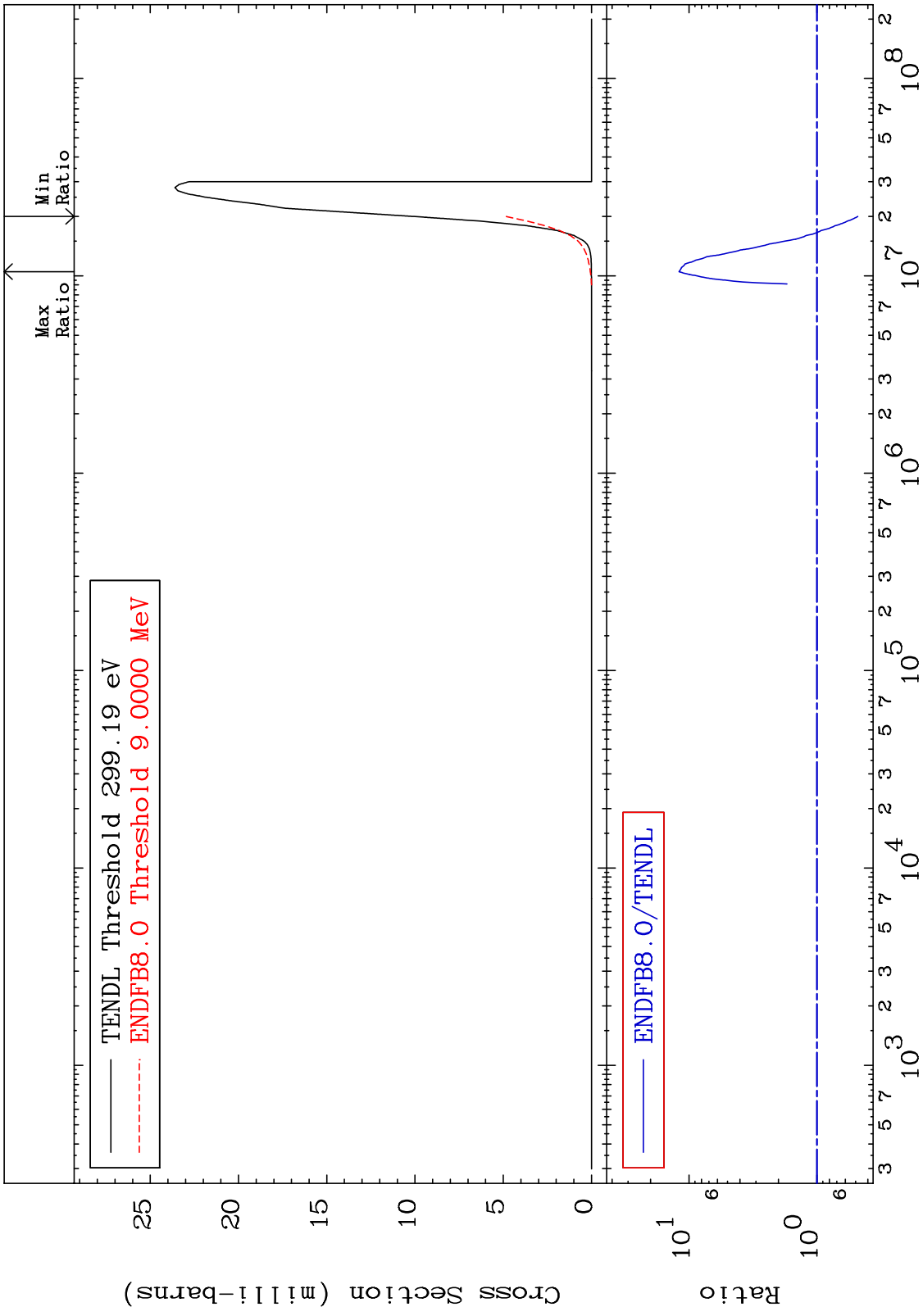
4 Incident Energy (eV) 70-Yb-168

MAT 7025 (n,3n) 70-Yb-168
 Cross Section -69.28 To 4.120 %



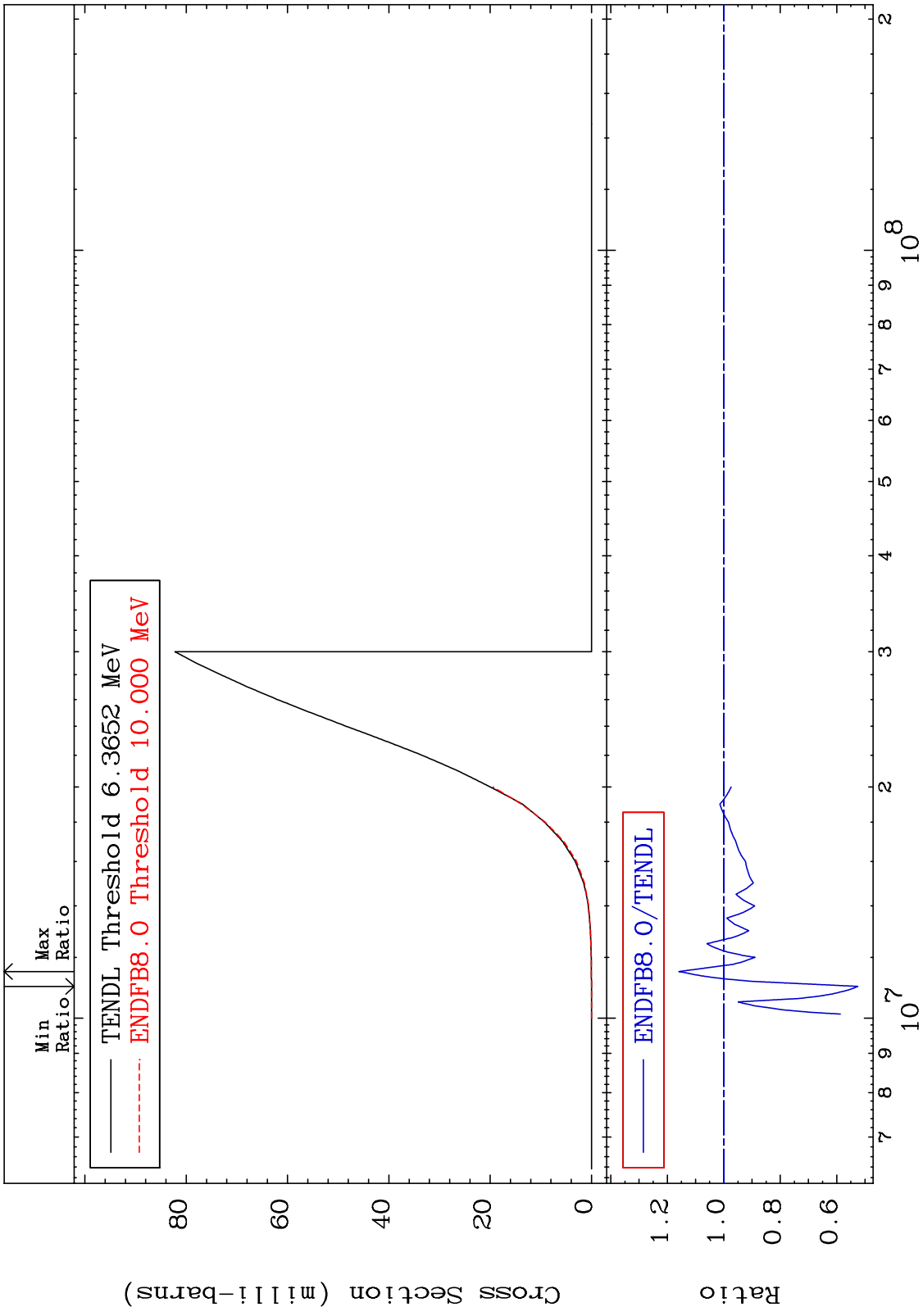
5 Incident Energy (eV) 70-Yb-168

MAT 7025 $(n, n') \alpha$ 70-Yb-168
 Cross Section -52.04 To 1097. %

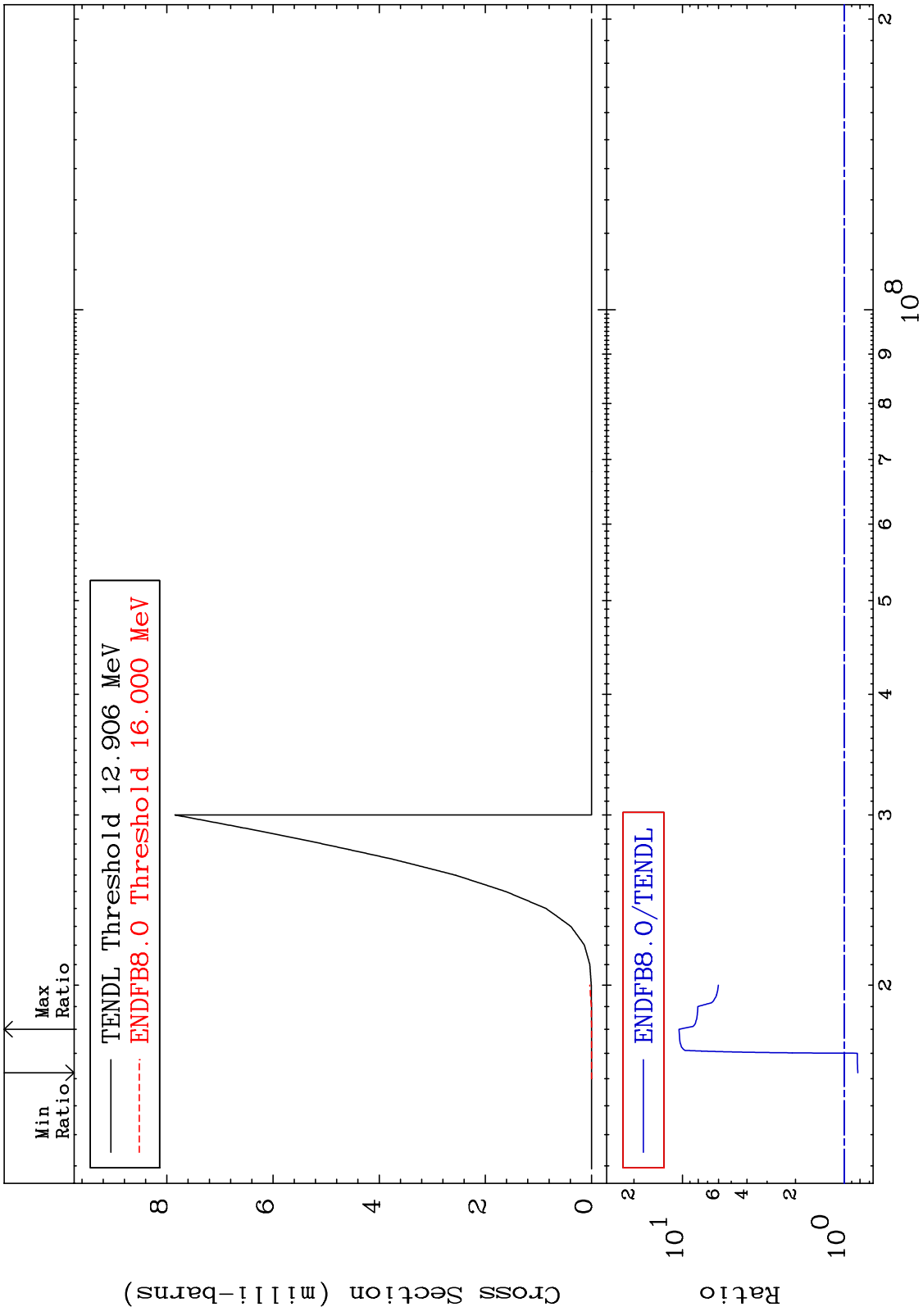


6 Incident Energy (eV) 70-Yb-168

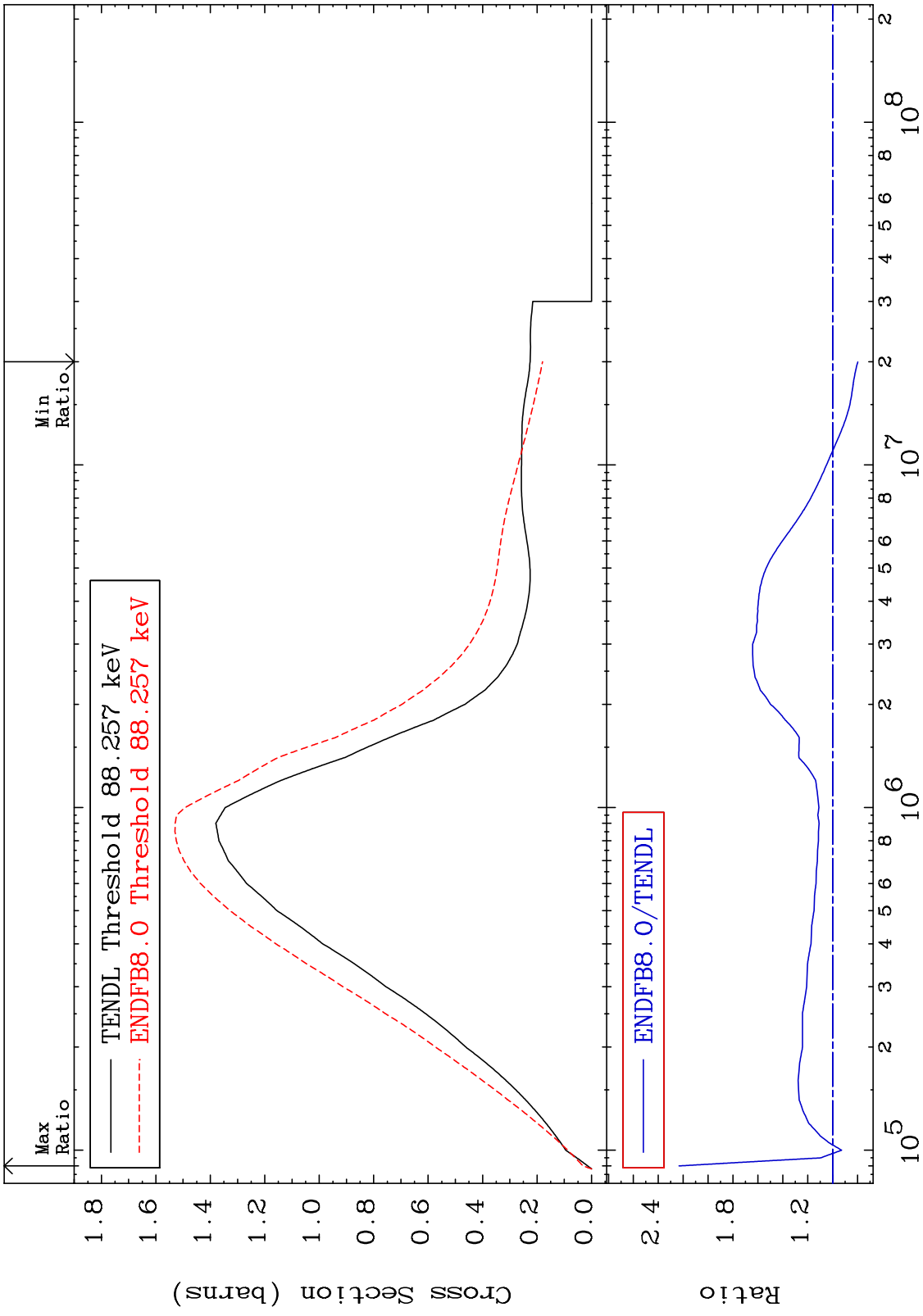
MAT 7025 (n, n') p $^{70}\text{Yb-168}$
 Cross Section -47.48 To 15.84 %



70-Yb-168

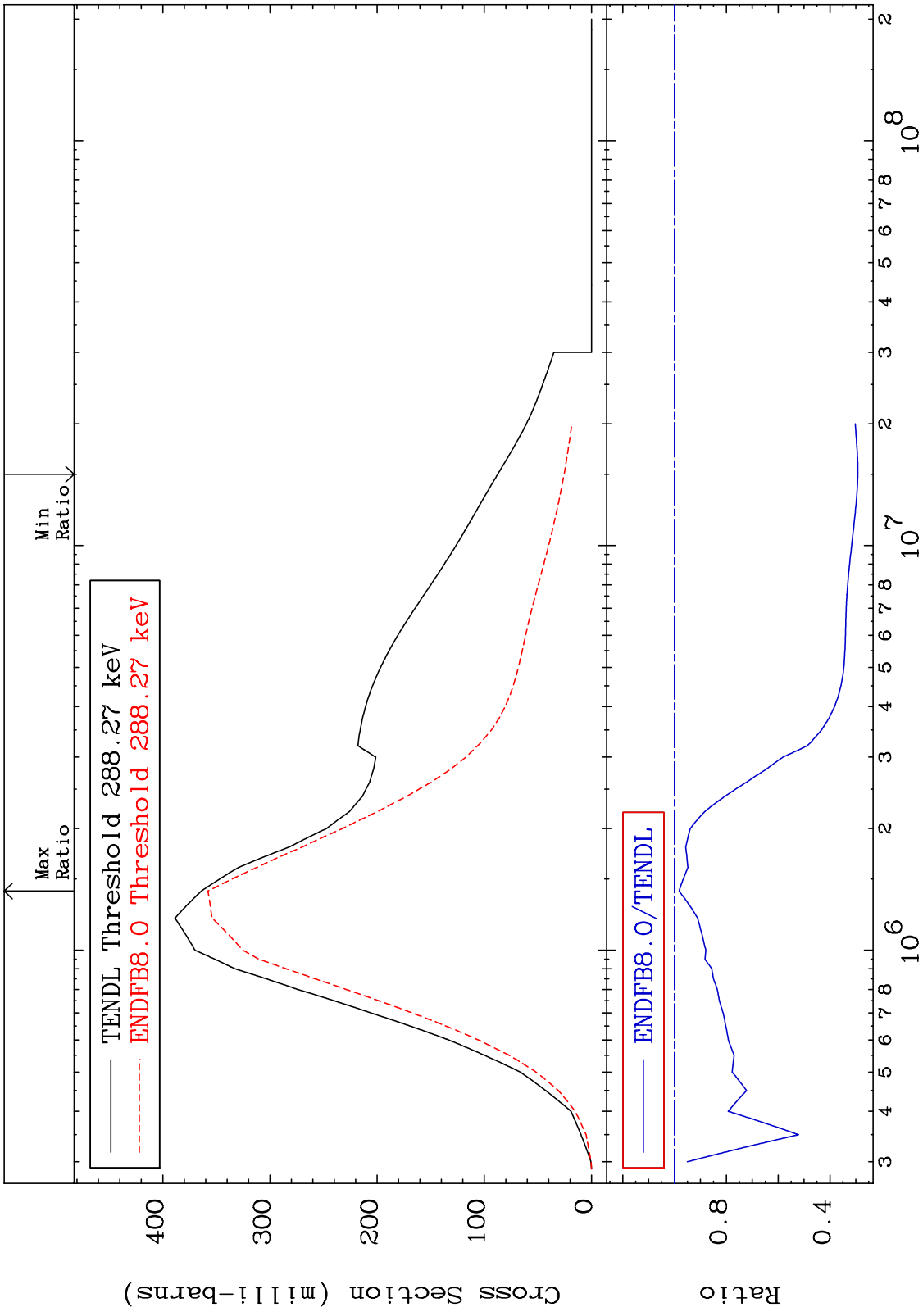


MAT 7025 MT= 51 (n,n') Level Cross Section 70-Yb-168 -20.27 To 123.3 %



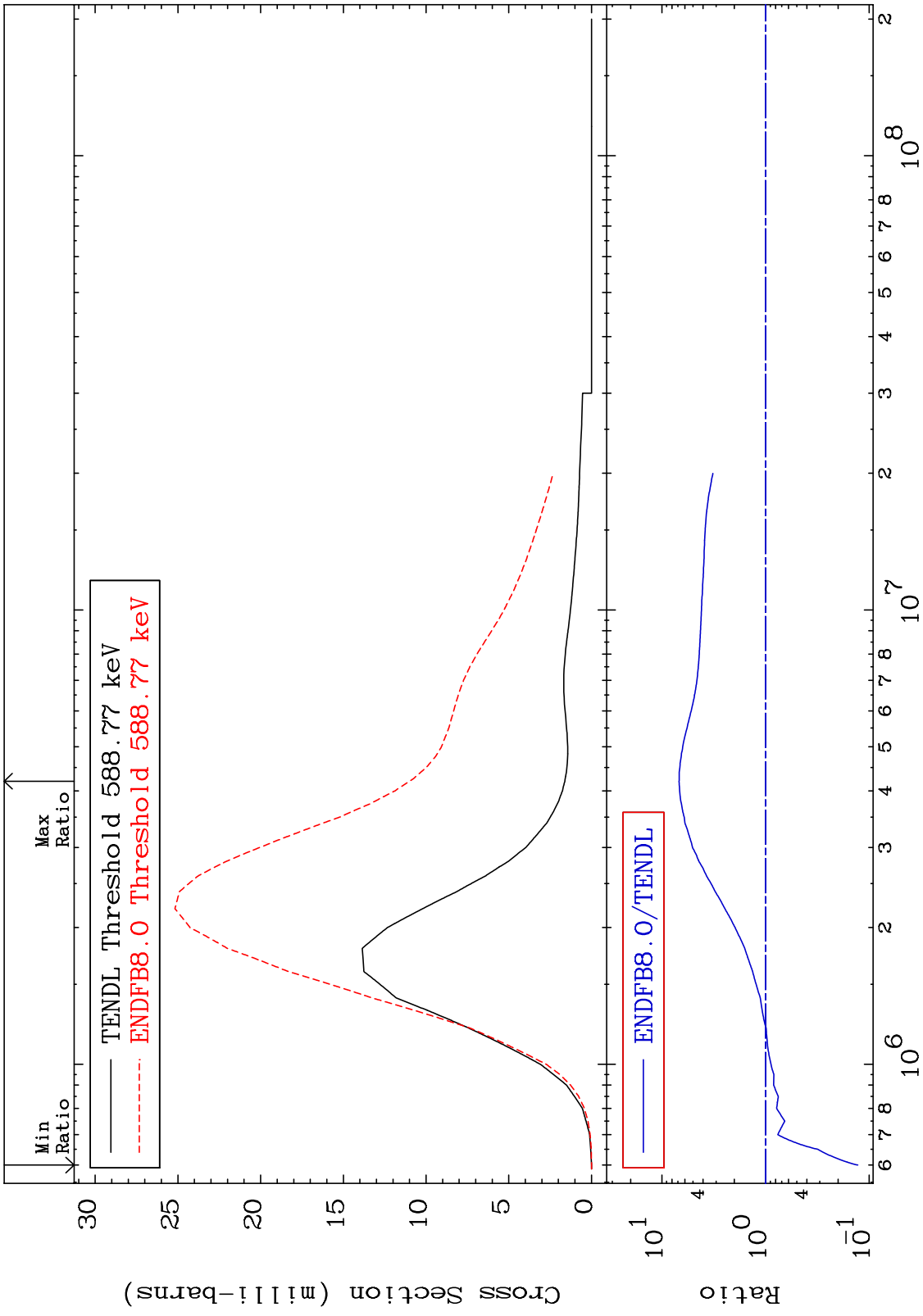
9 Incident Energy (eV) 70-Yb-168

MAT 7025 MT= 52 (n,n') Level Cross Section 70-Yb-168 -70.77 To -1.721%



10 Incident Energy (eV) 70-Yb-168

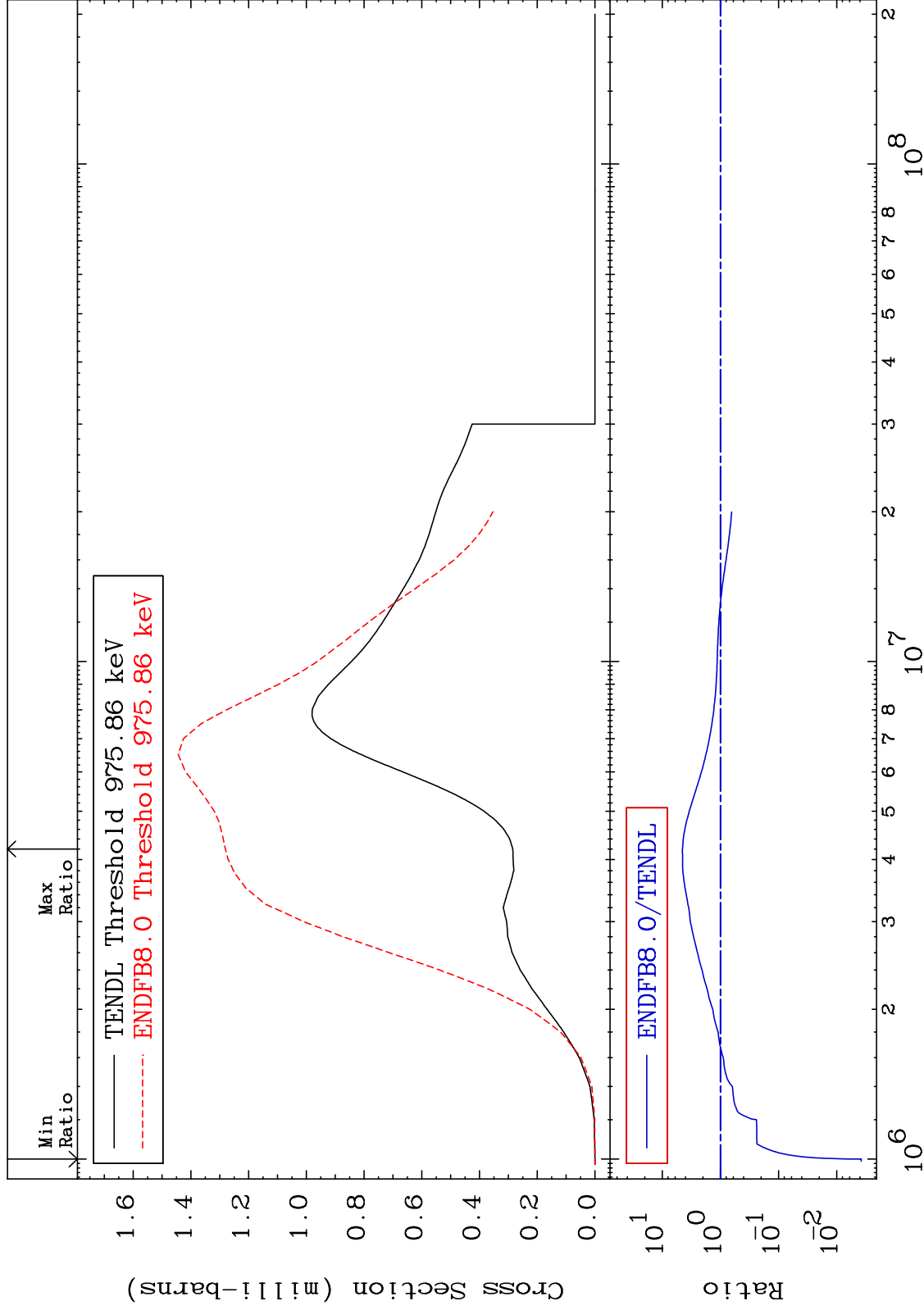
MAT 7025 MT= 53 (n,n') Level 70-Yb-168
Cross Section -87.11 To 582.5 %



MAT 7025

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

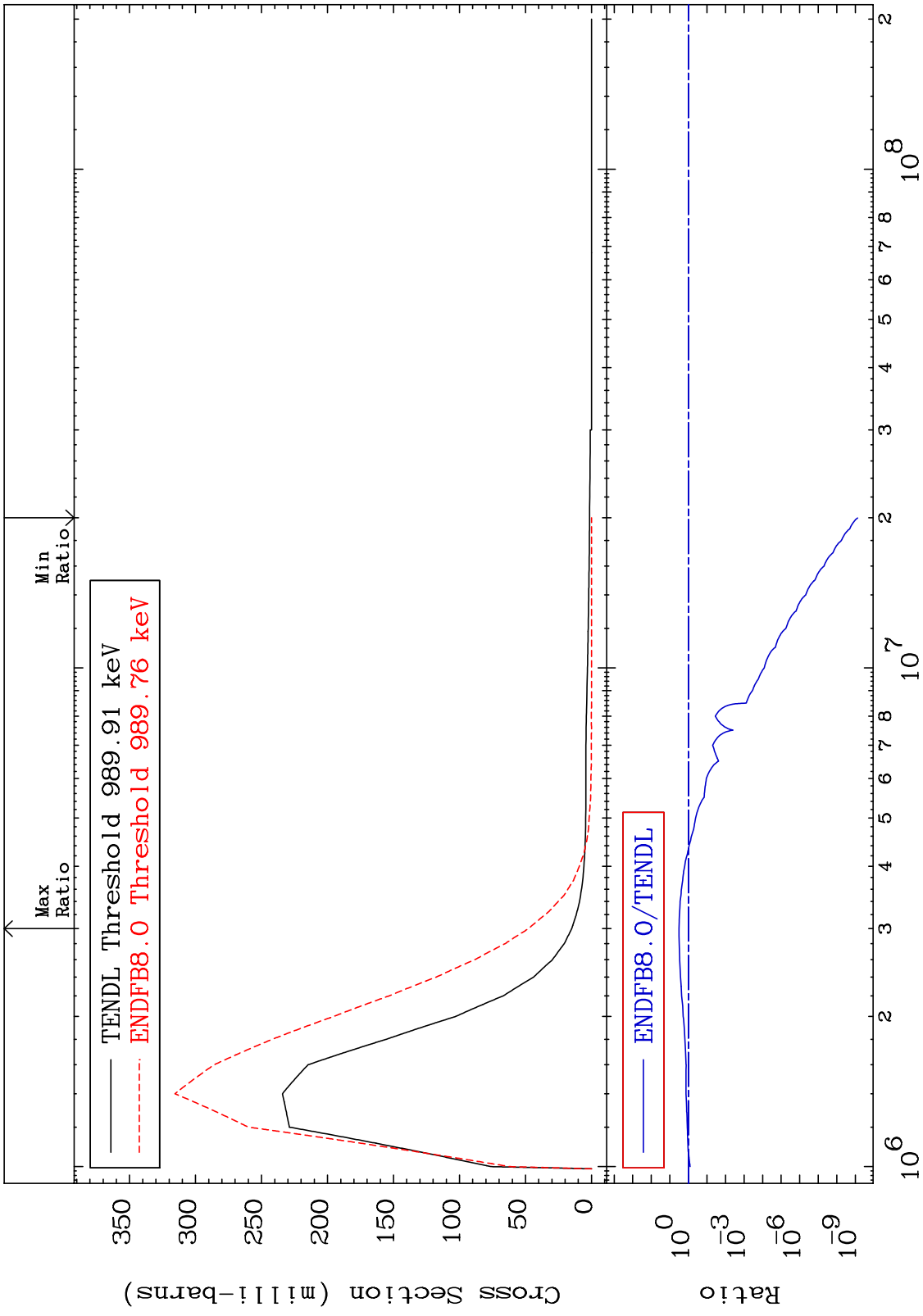
70-Yb-168
-99.62 To 350.0 %



70-Yb-168

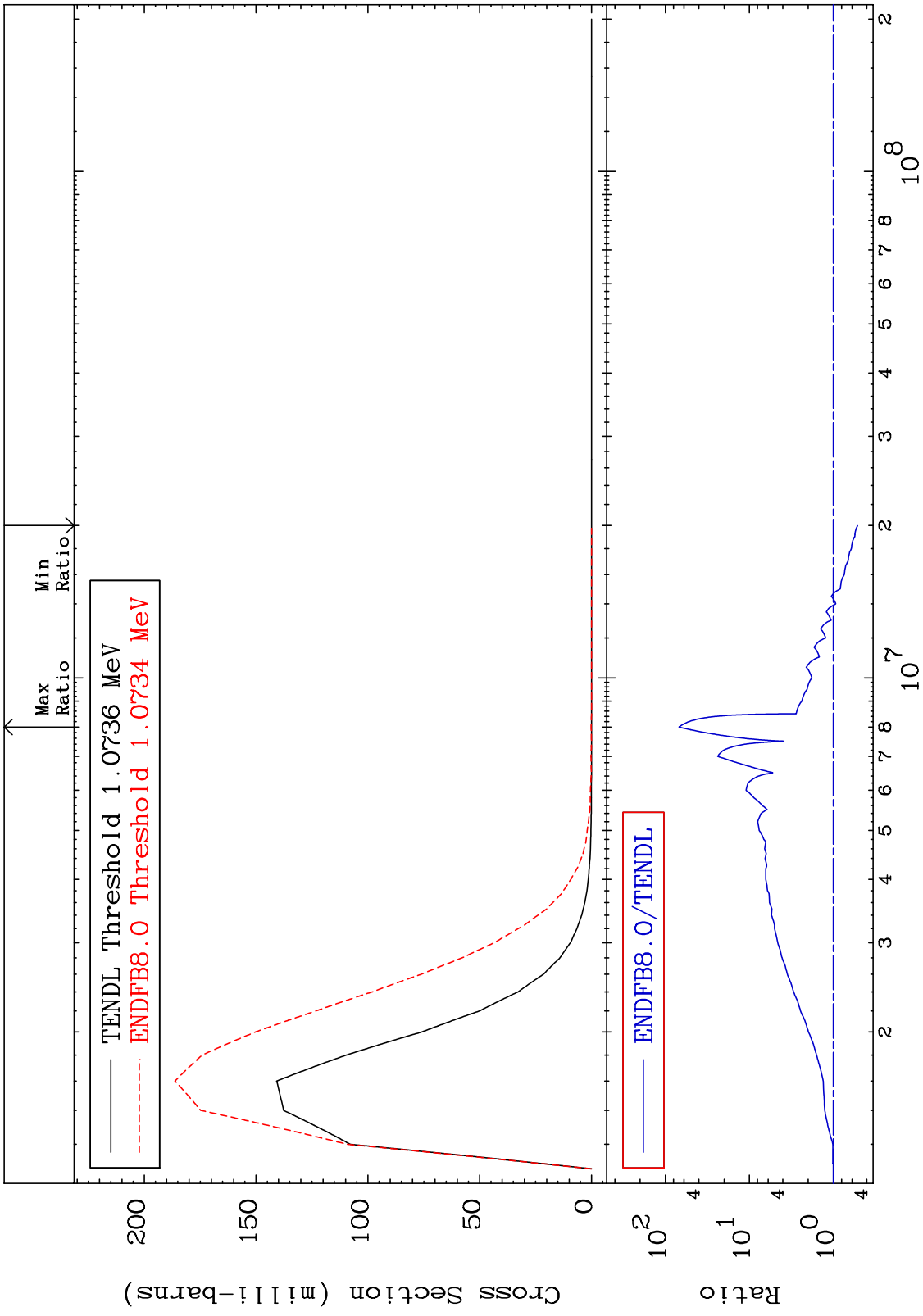
12

MAT 7025 MT= 55 (n,n') Level Cross Section 70-Yb-168 -100.0 To 219.2 %



13 Incident Energy (eV) 70-Yb-168

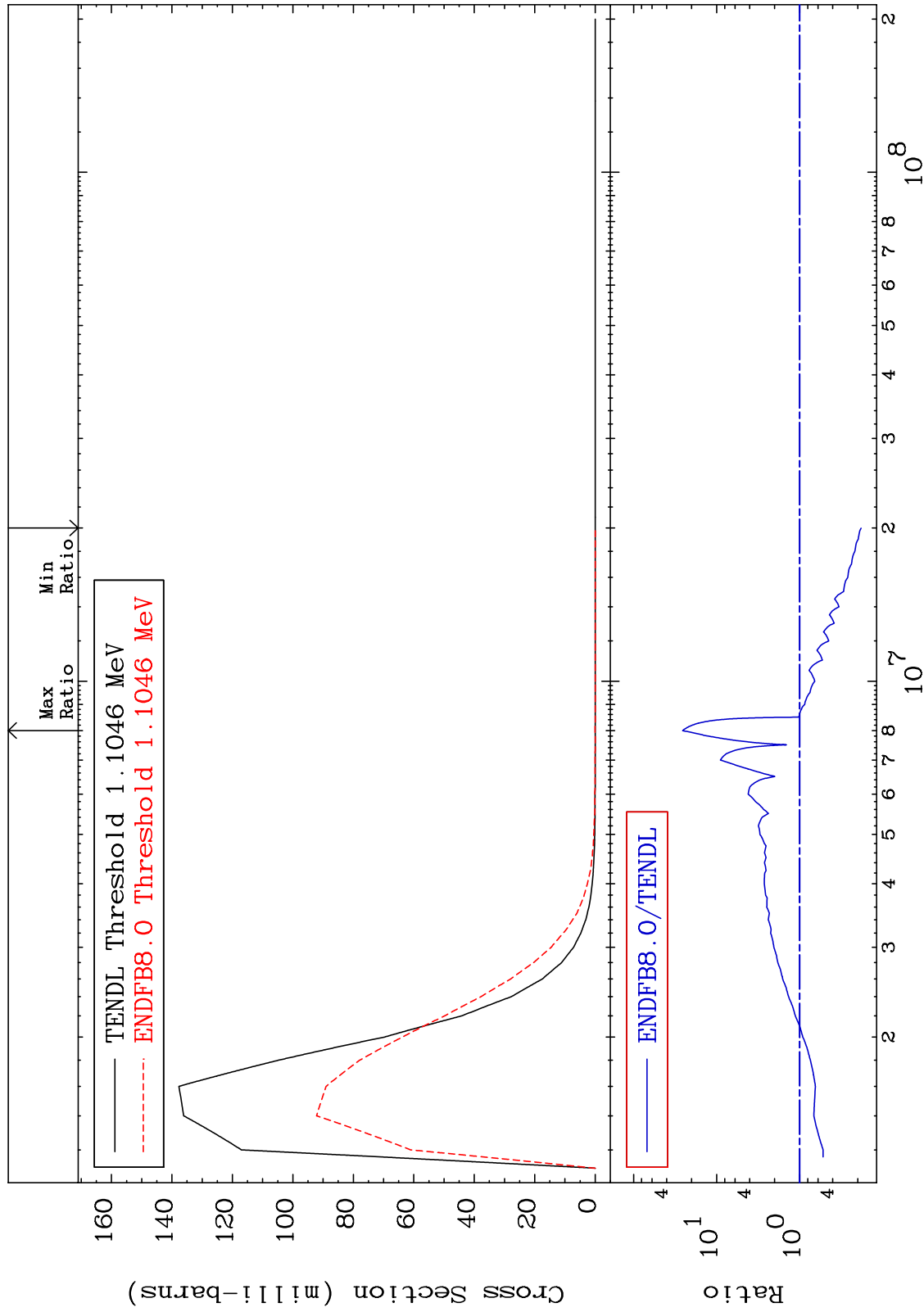
MAT 7025 MT= 56 (n,n') Level Cross Section 70-Yb-168
 -48.80 To 6784. %



MAT 7025

MT= 57 (n,n') Level
Cross Section

70-Yb-168
-81.91 To 2463. %

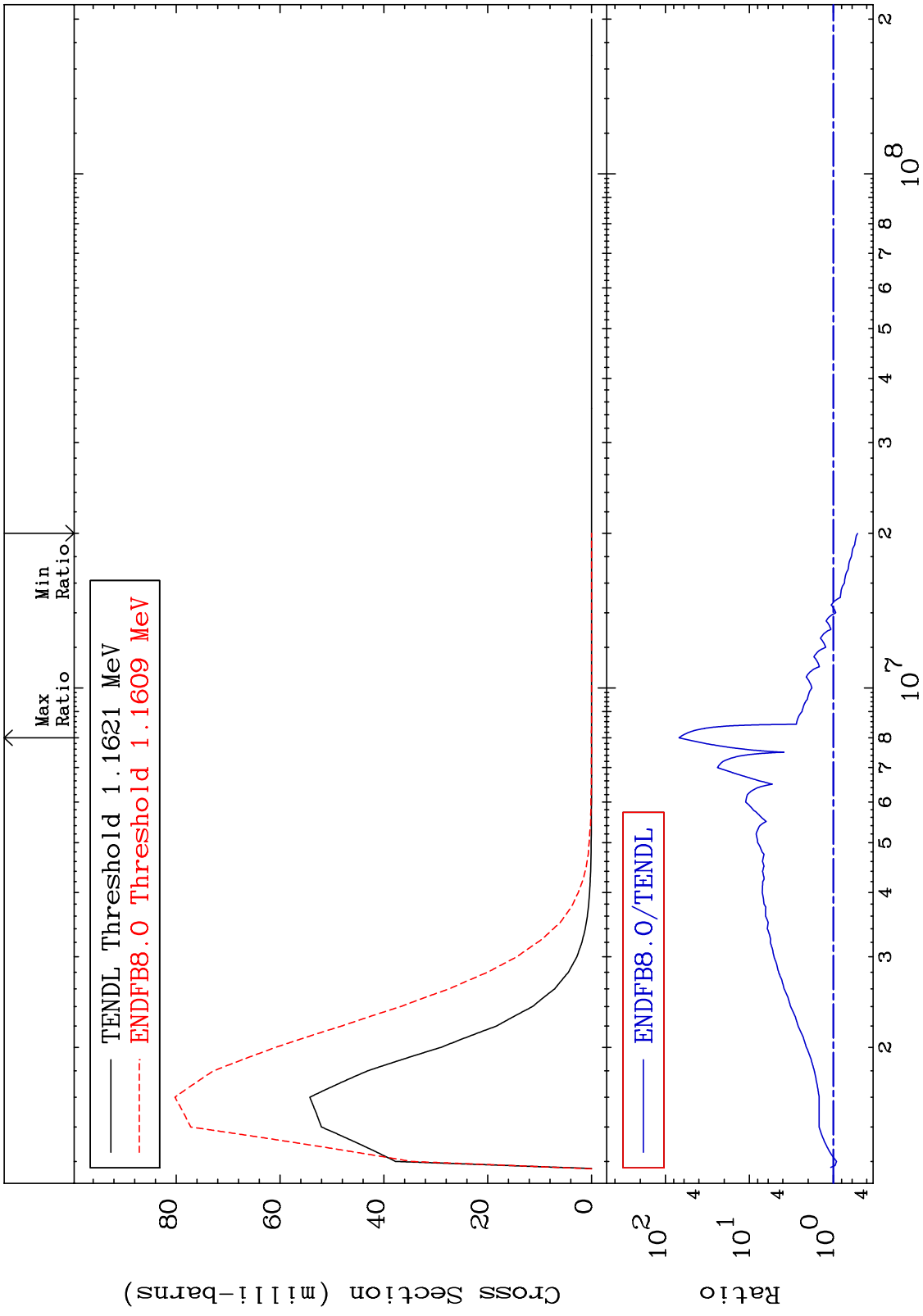


15

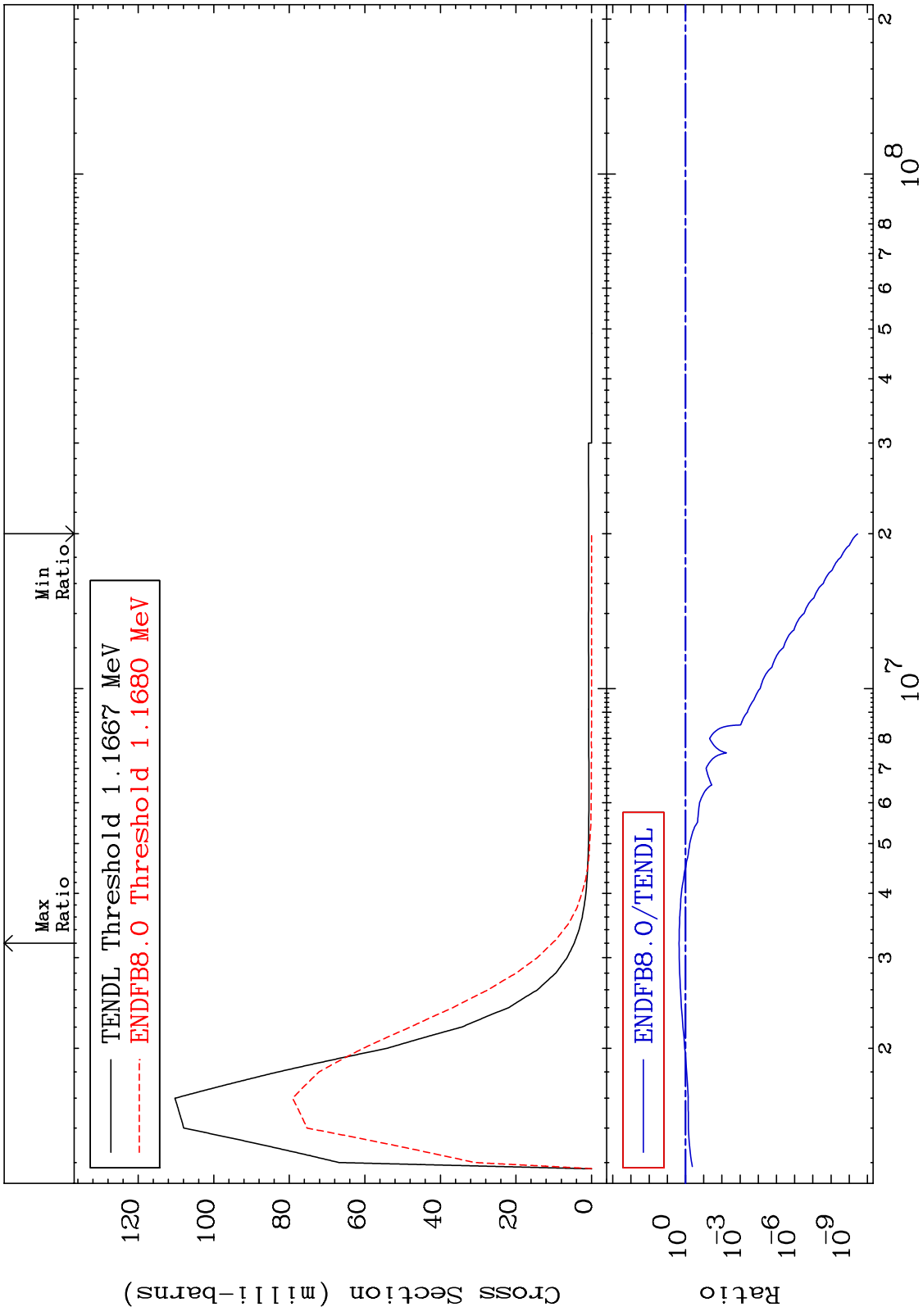
Incident Energy (eV)

70-Yb-168

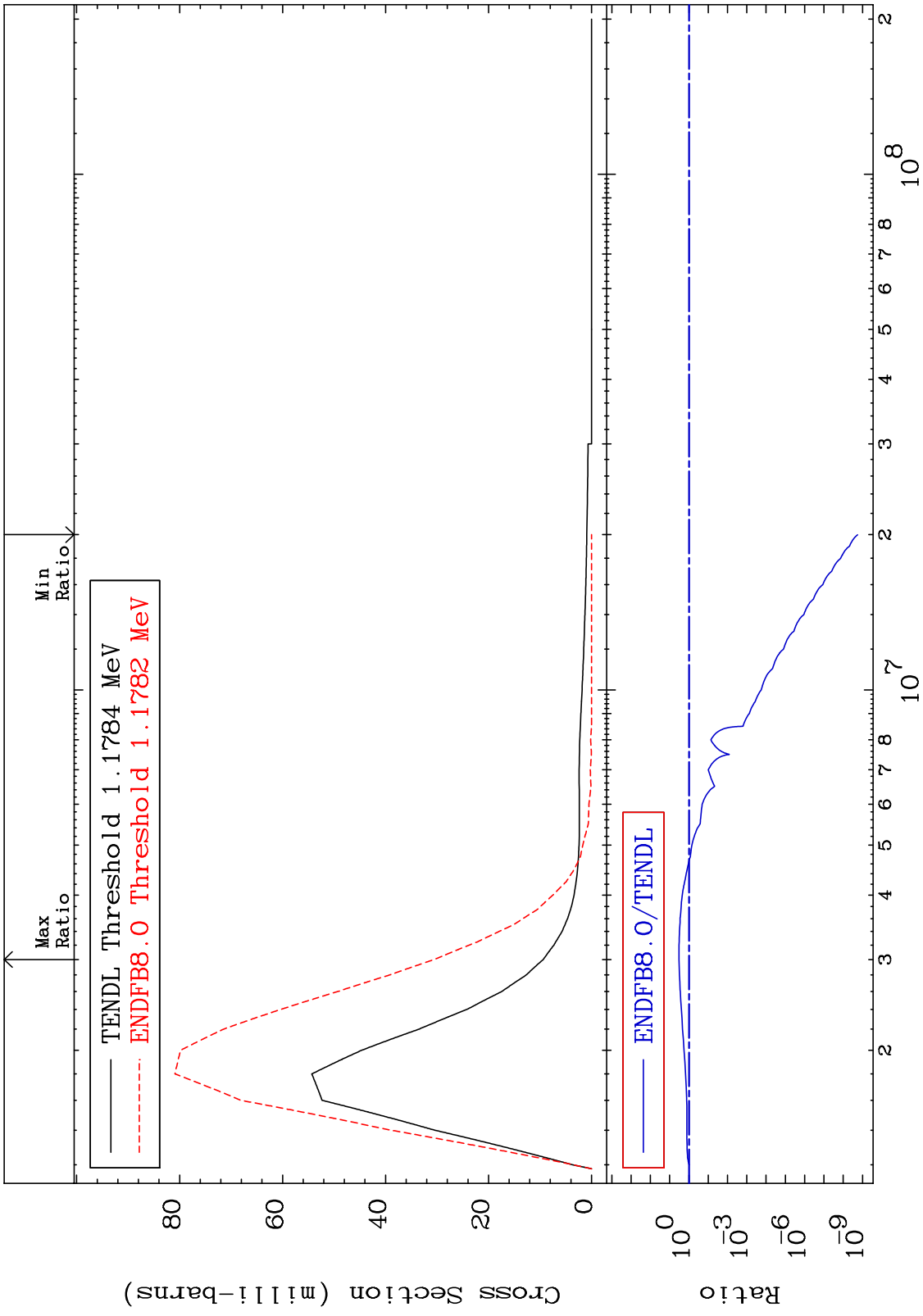
MAT 7025 MT= 58 (n,n') Level Cross Section 70-Yb-168
 -48.83 To 6794. %



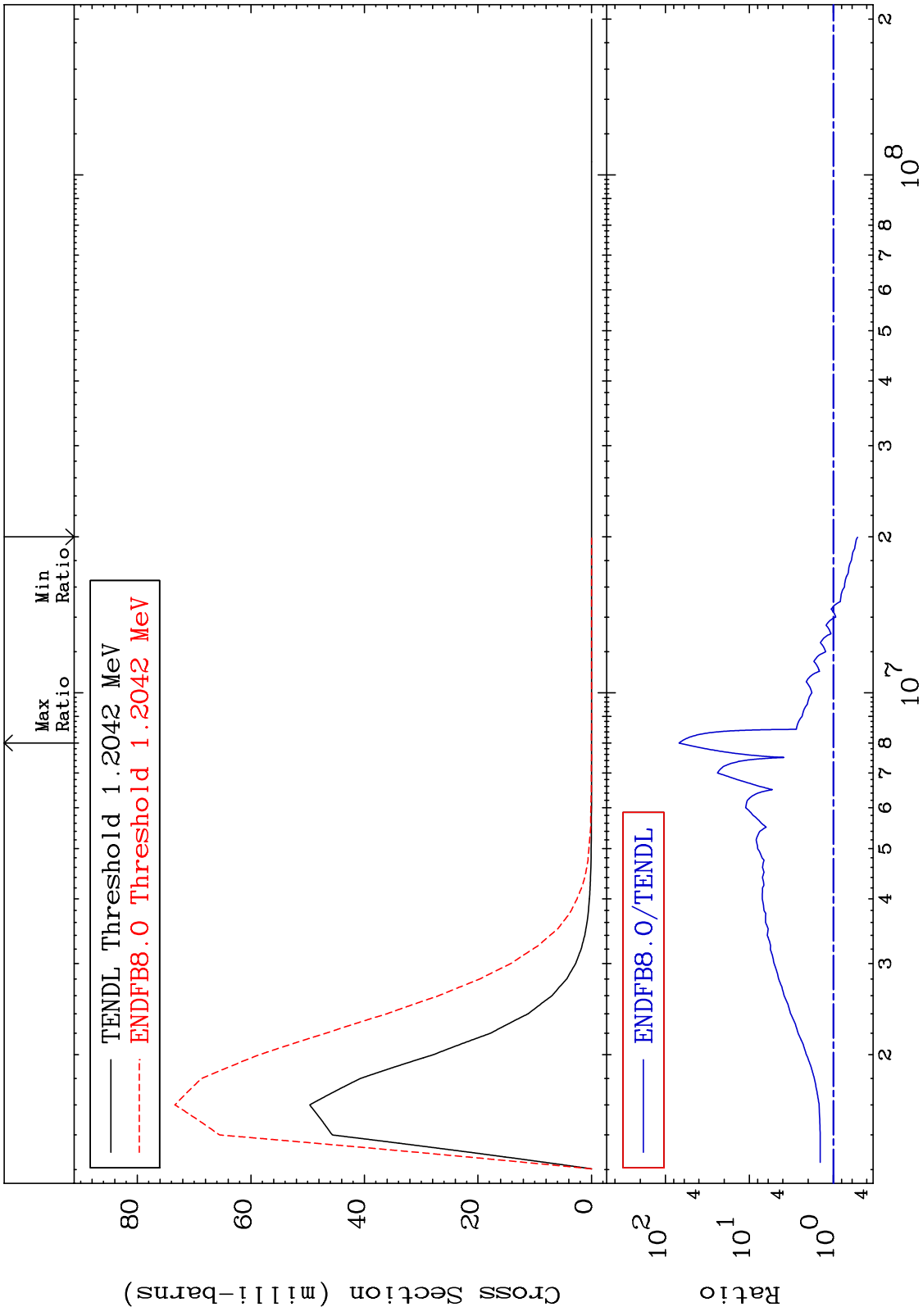
MAT 7025 MT= 59 (n,n') Level Cross Section 70-Yb-168
 -100.0 To 127.7 %



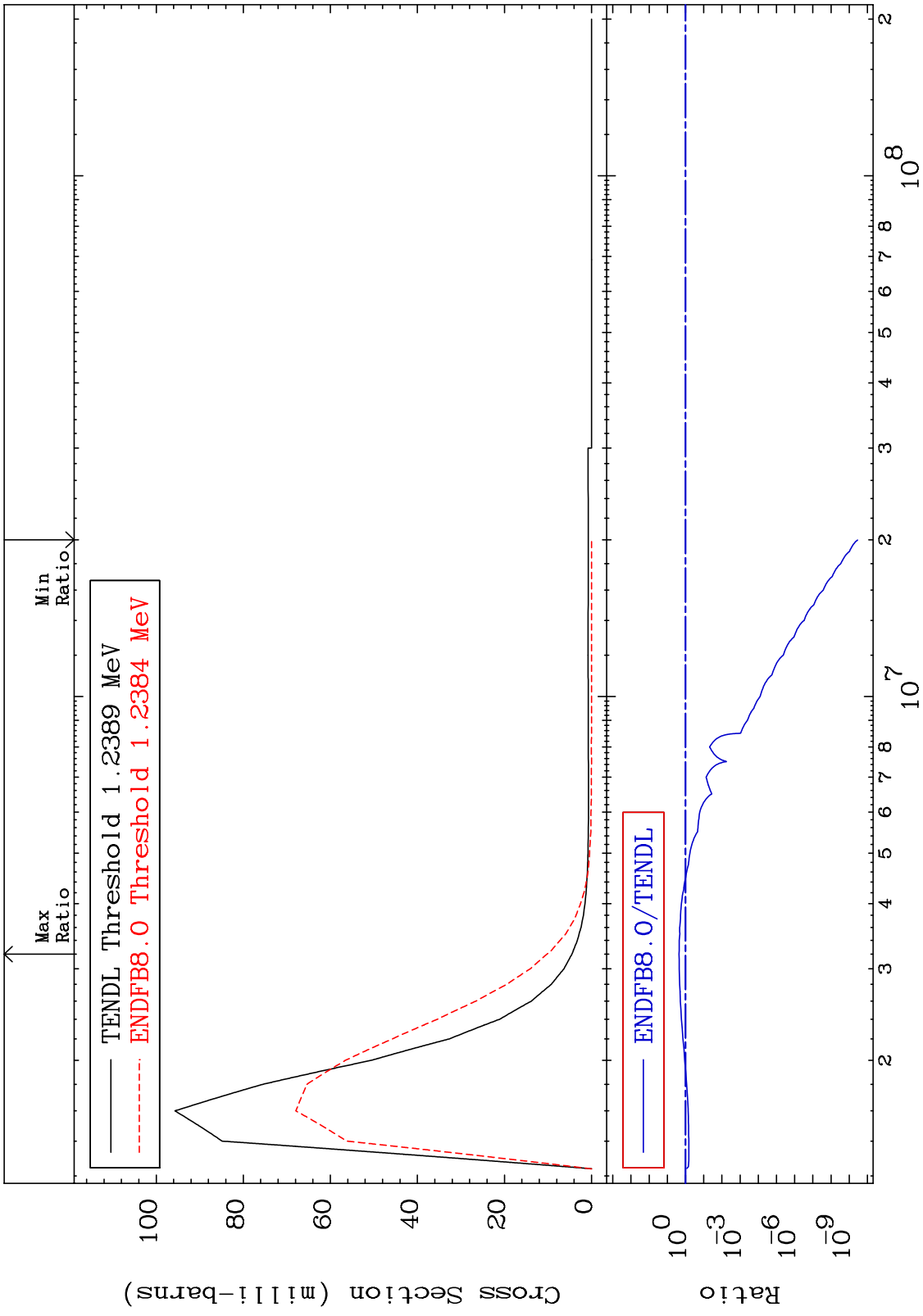
MAT 7025 MT= 60 (n,n') Level Cross Section 70-Yb-168
 -100.0 To 225.5 %



MAT 7025 MT= 61 (n,n') Level Cross Section 70-Yb-168
 -48.82 To 6796. %

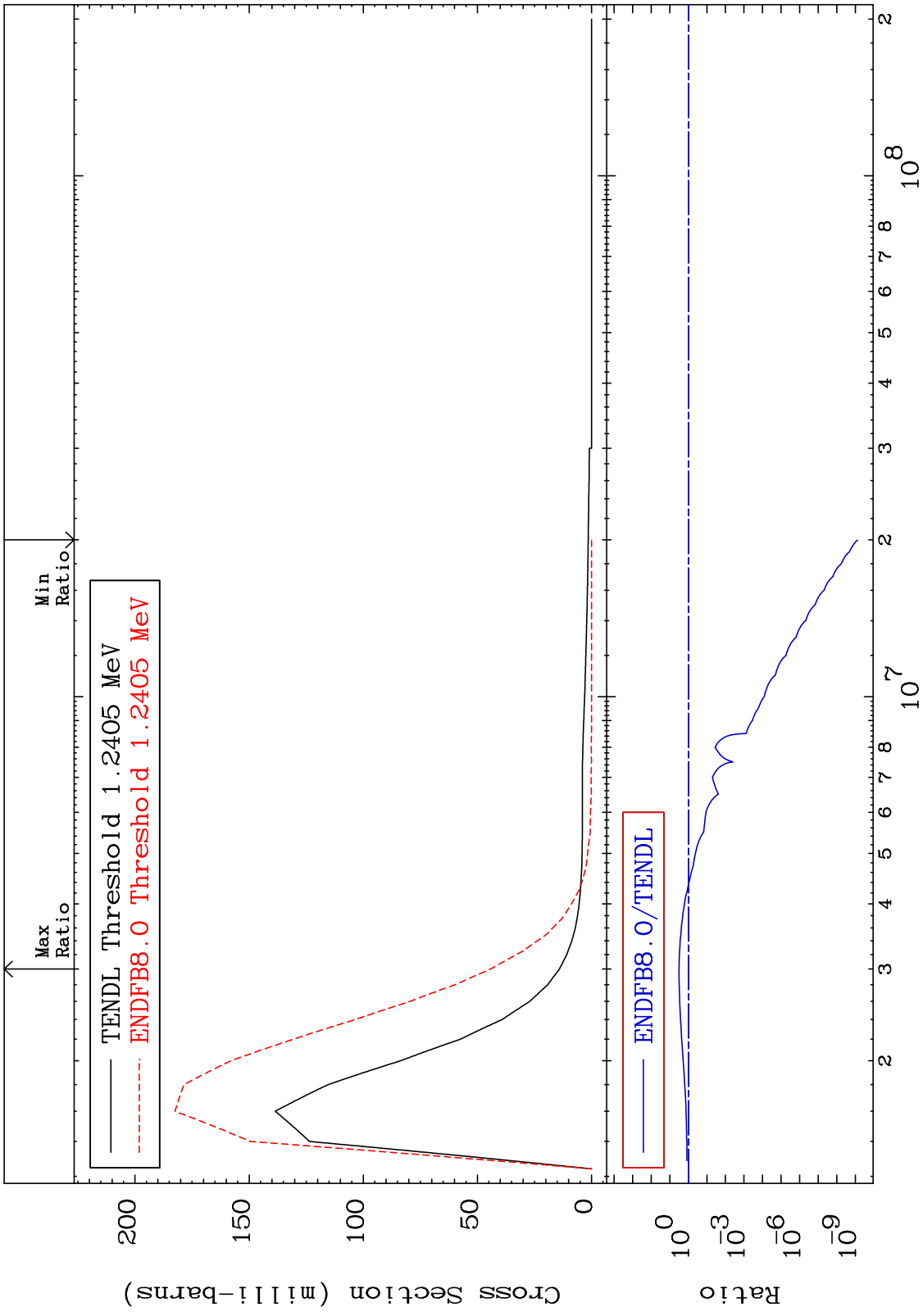


MAT 7025 MT= 62 (n,n') Level Cross Section 70-Yb-168 -100.0 To 127.4 %

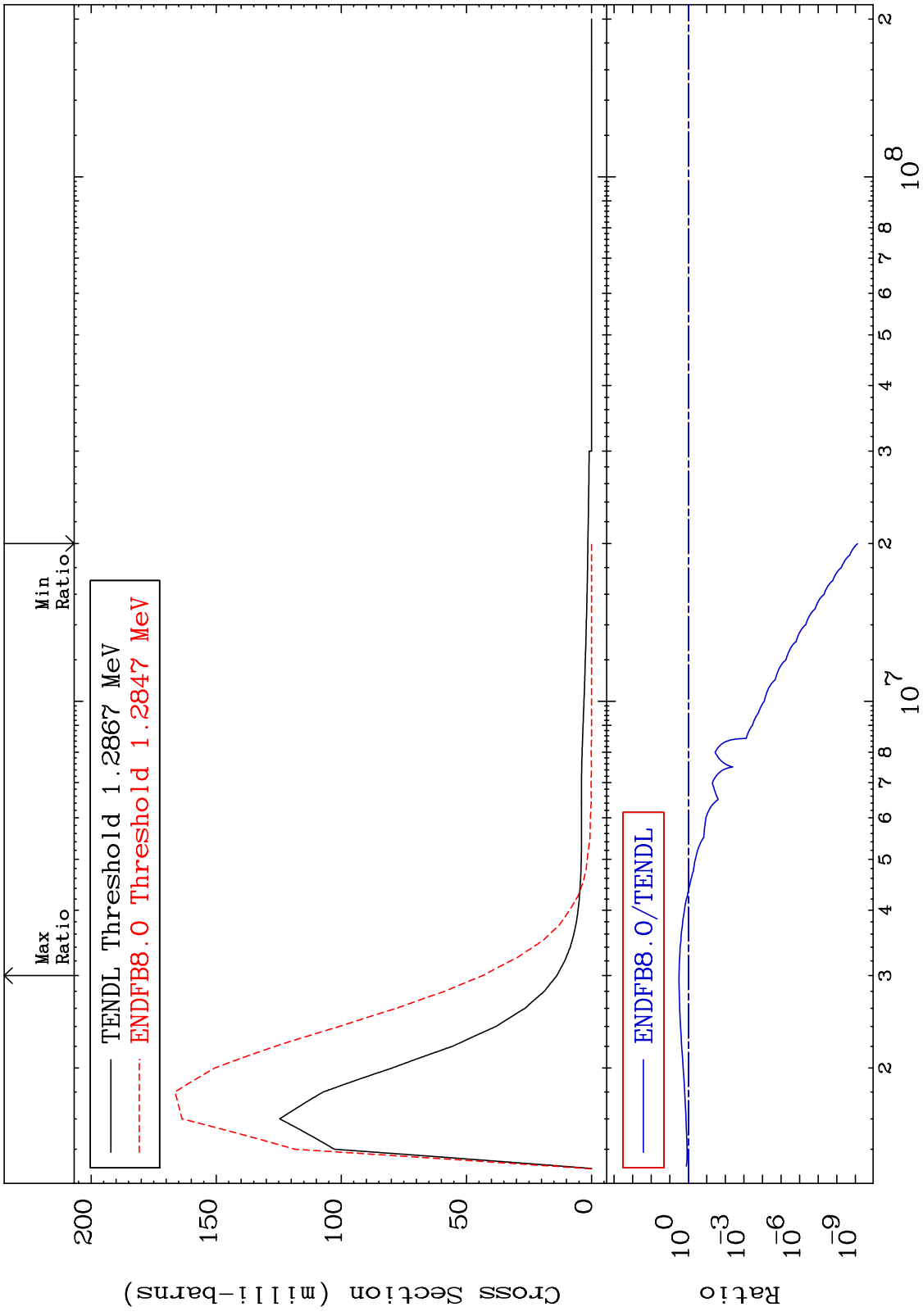


20 70-Yb-168

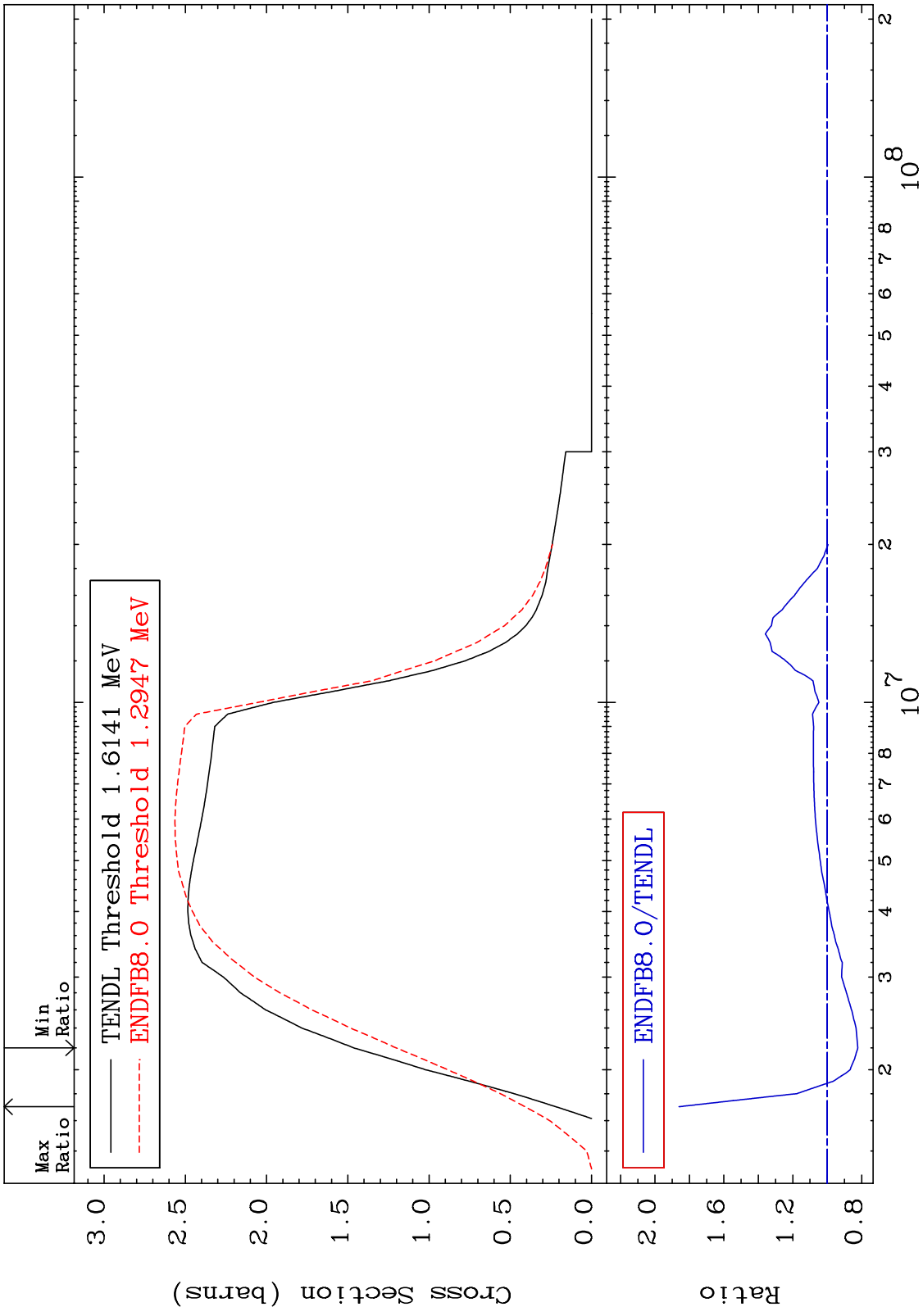
MAT 7025 MT= 63 (n,n') Level Cross Section 70-Yb-168 -100.0 To 214.6 %



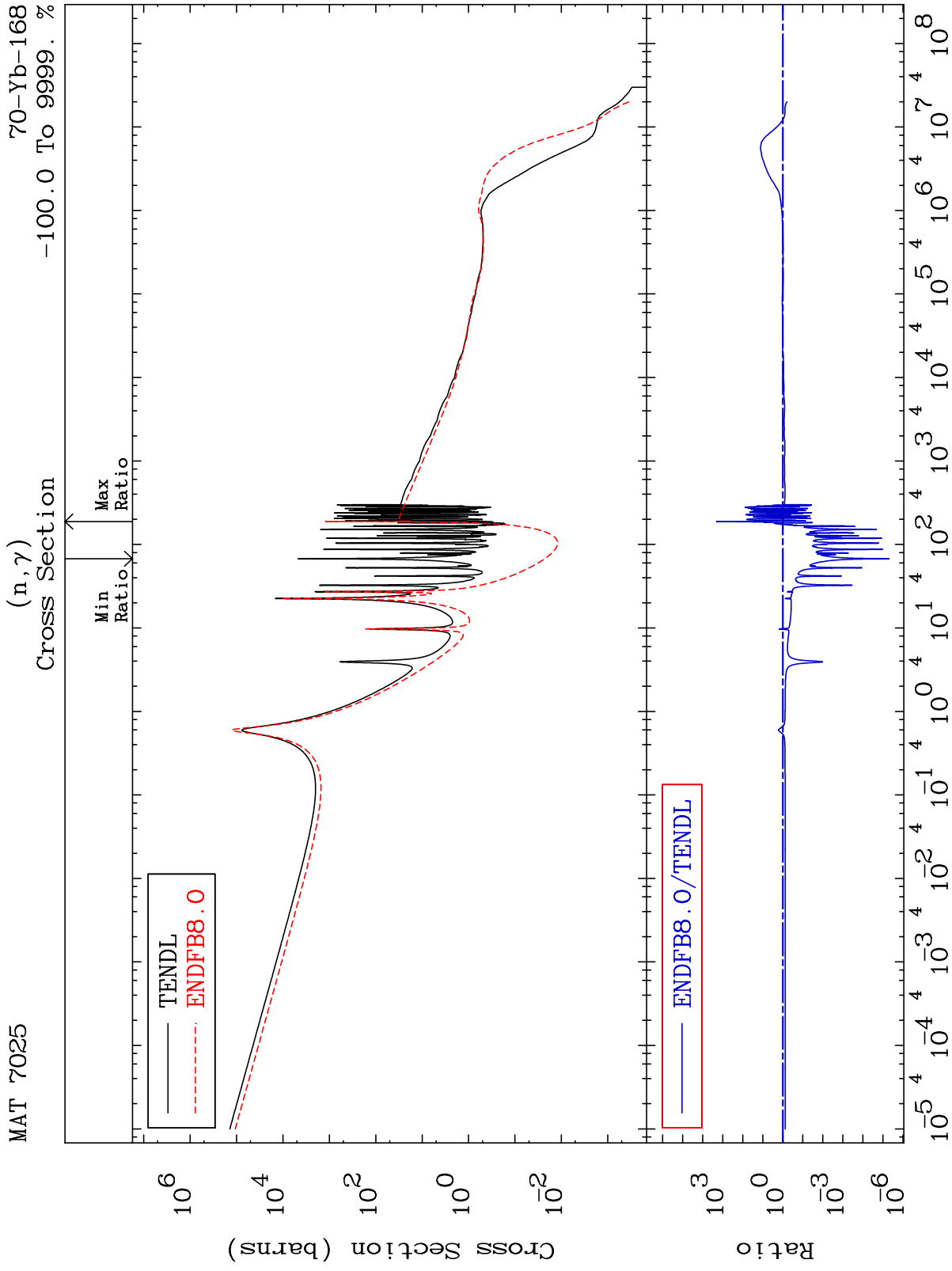
MAT 7025 MT= 64 (n,n') Level Cross Section -100.0 To 213.8 % 70-Yb-168



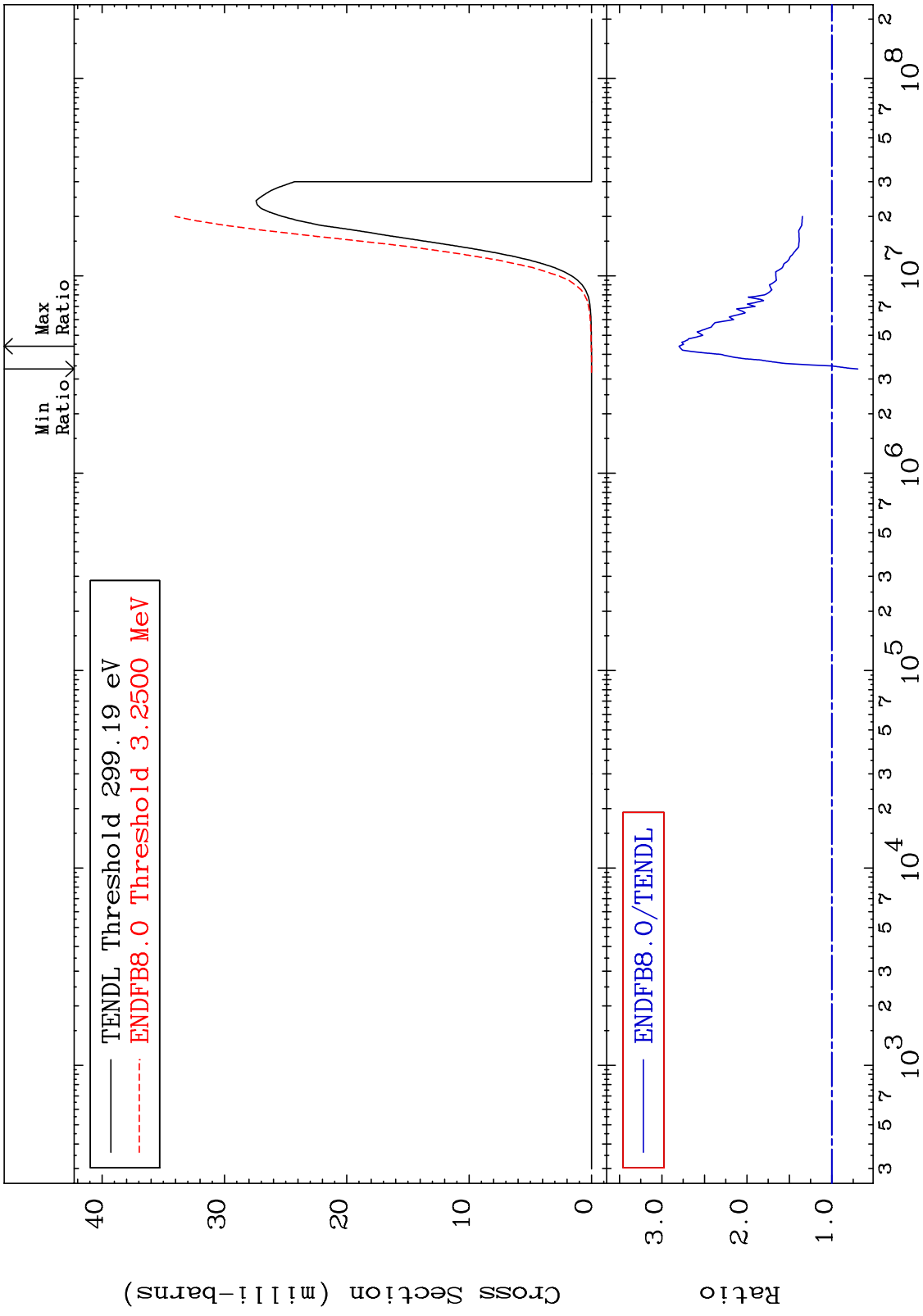
MAT 7025 (n, n') Continuum Cross Section -17.80 To 86.05 % 70-Yb-168



MAT 7025 70-Yb-168
-100.0 To 9999. %



MAT 7025 (n,p) Cross Section 70-Yb-168 -30.58 To 179.9 %



25 Incident Energy (eV) 70-Yb-168

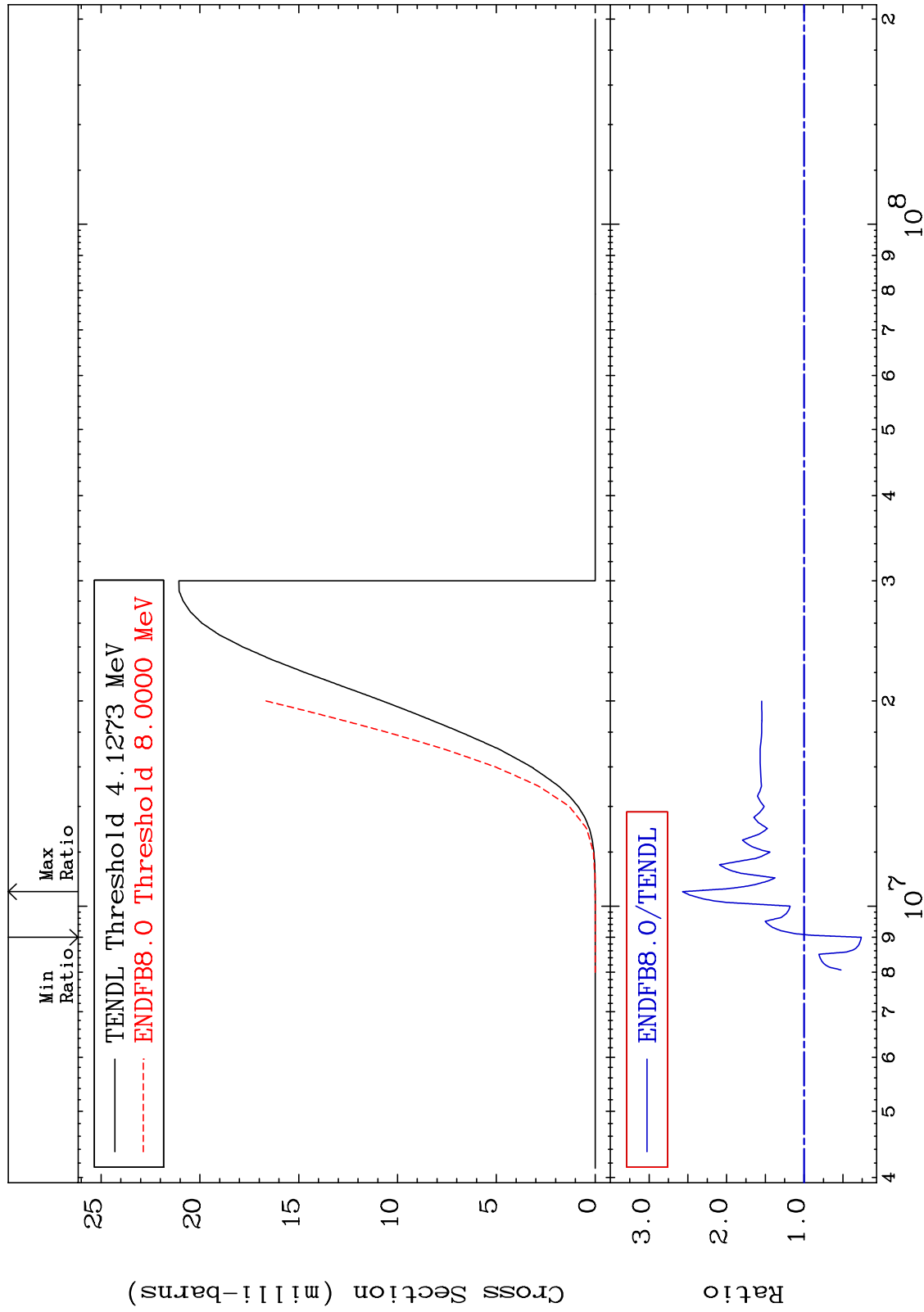
MAT 7025

(n,d)

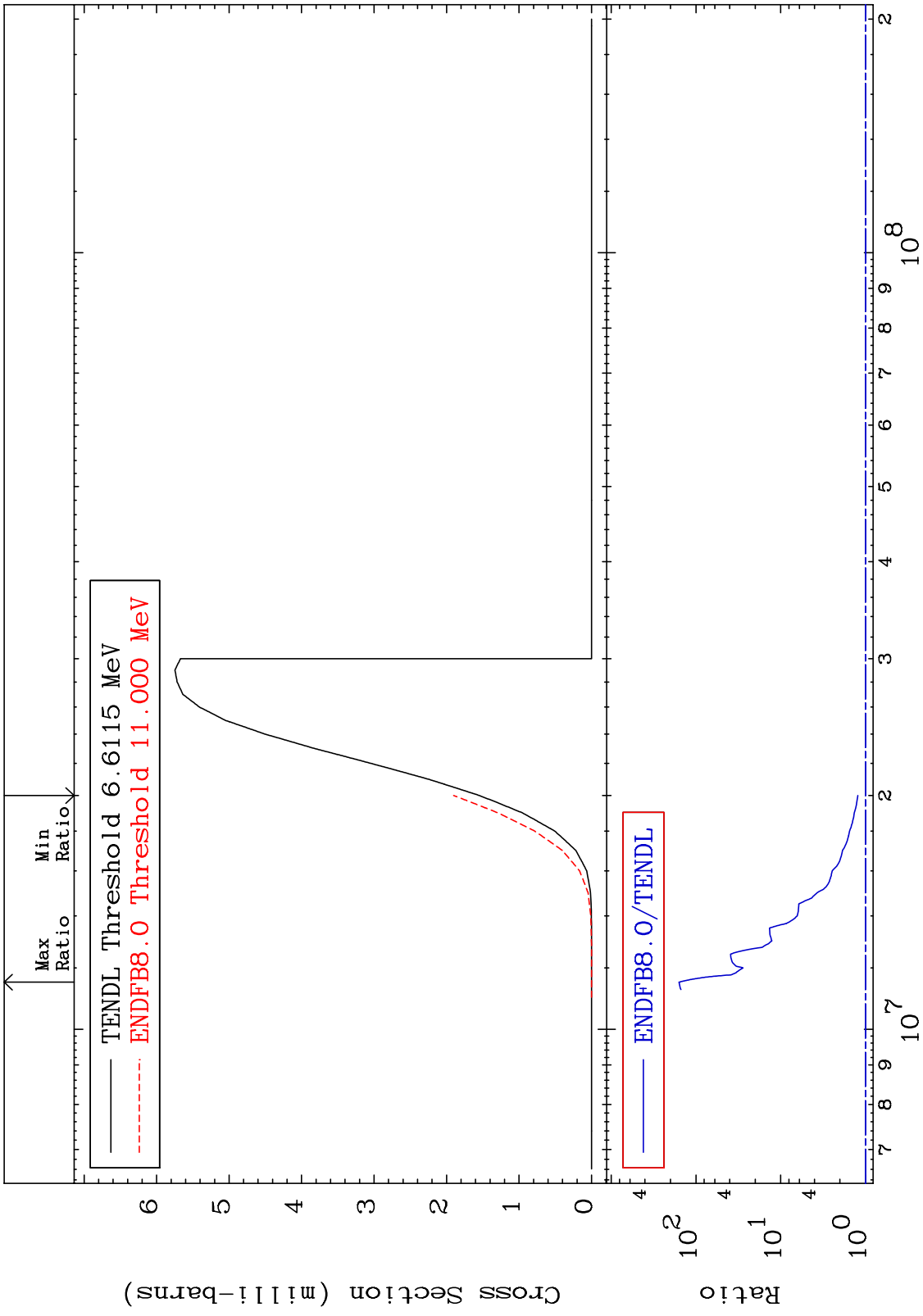
70-Yb-168

Cross Section

-73.87 To 156.7 %



MAT 7025 (n,t) Cross Section 70-Yb-168 22.97 To 9999. %



Incident Energy (eV) 70-Yb-168

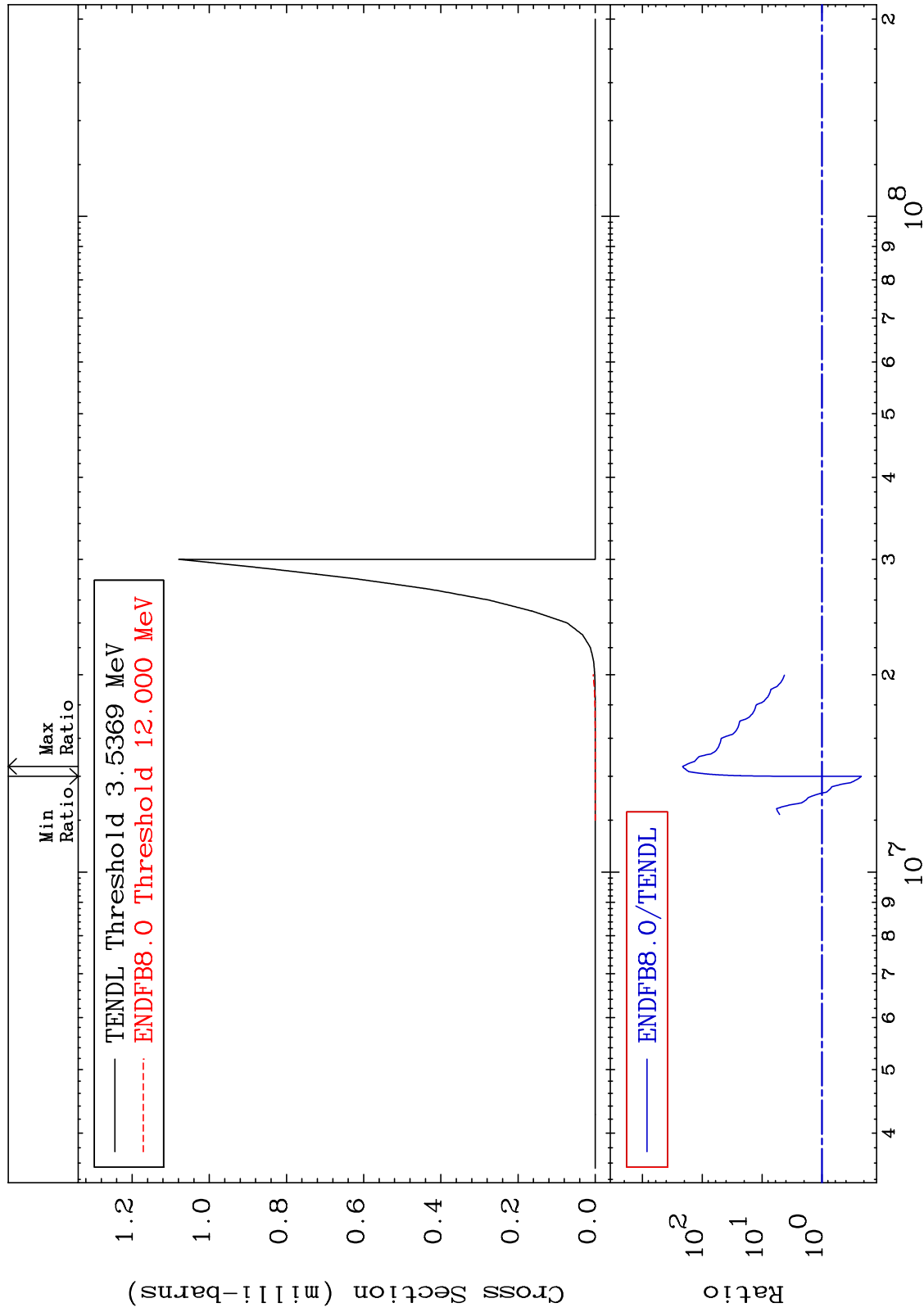
MAT 7025

(n, He-3)

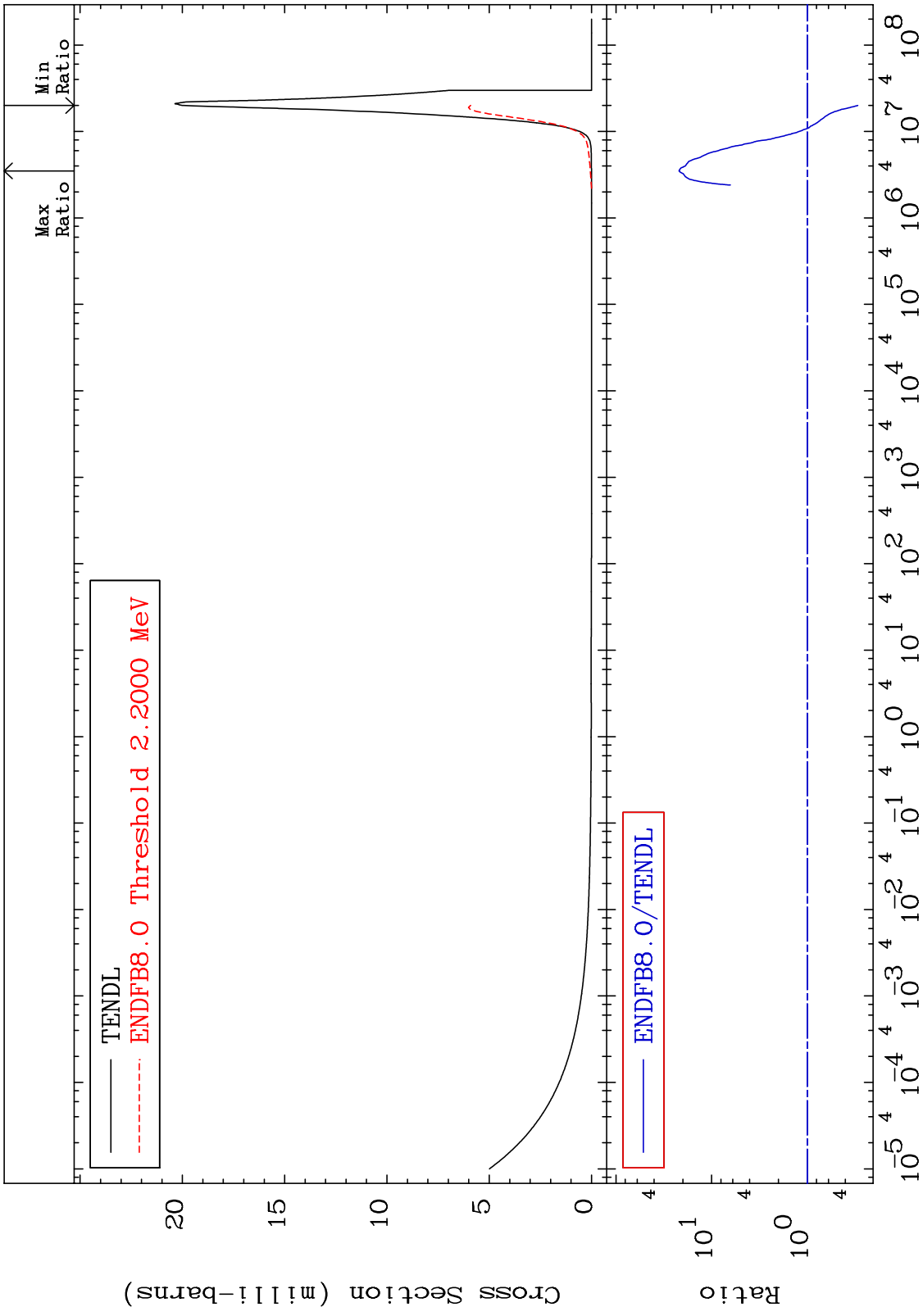
70-Yb-168

Cross Section

-77.90 To 9999. %



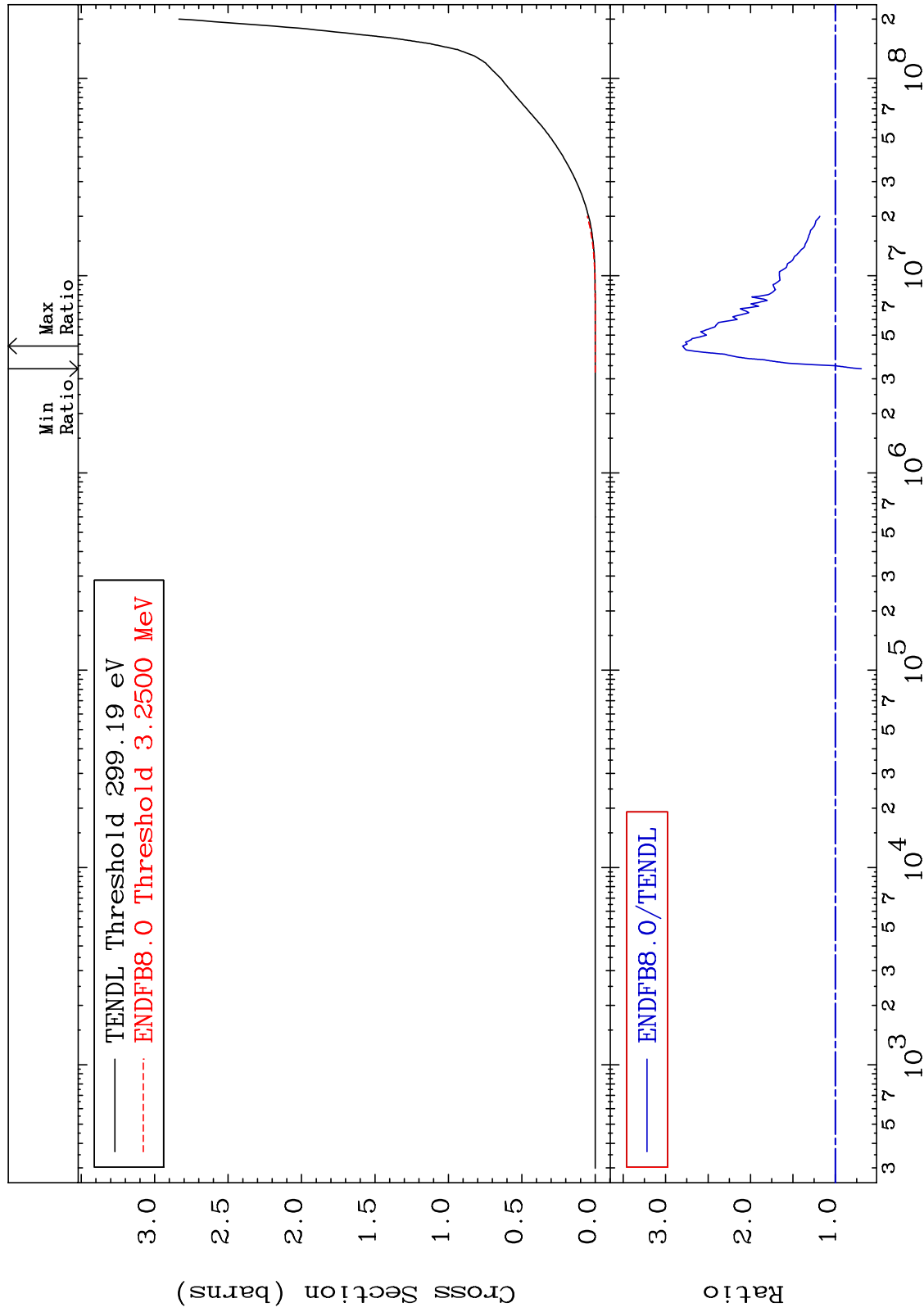
MAT 7025 (n, α) Cross Section 70-Yb-168 -70.45 To 2090. %



MAT 7025

Hydrogen Production
Cross Section

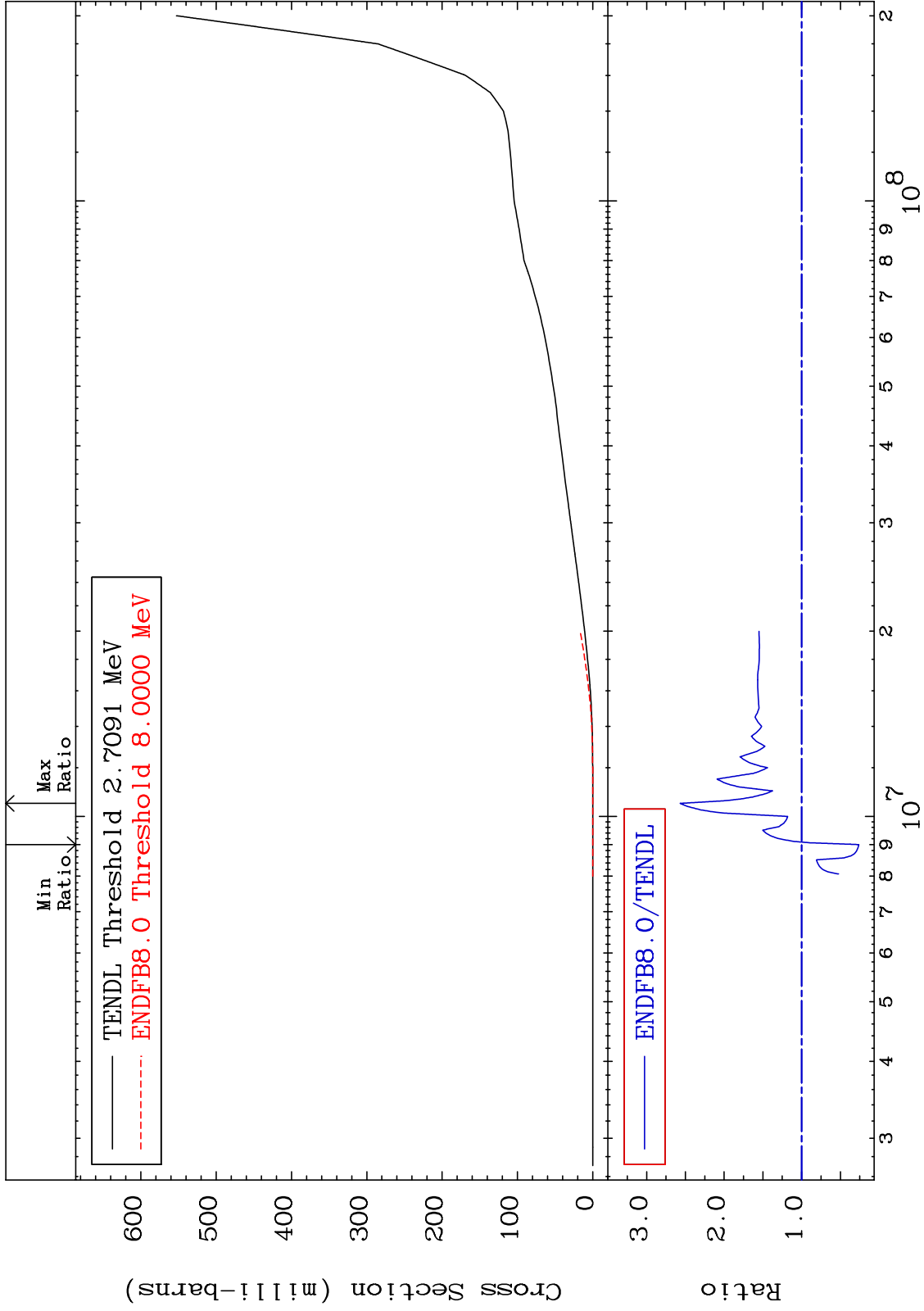
70-Yb-168
-30.58 To 179.9 %



MAT 7025

Deuterium Production
Cross Section

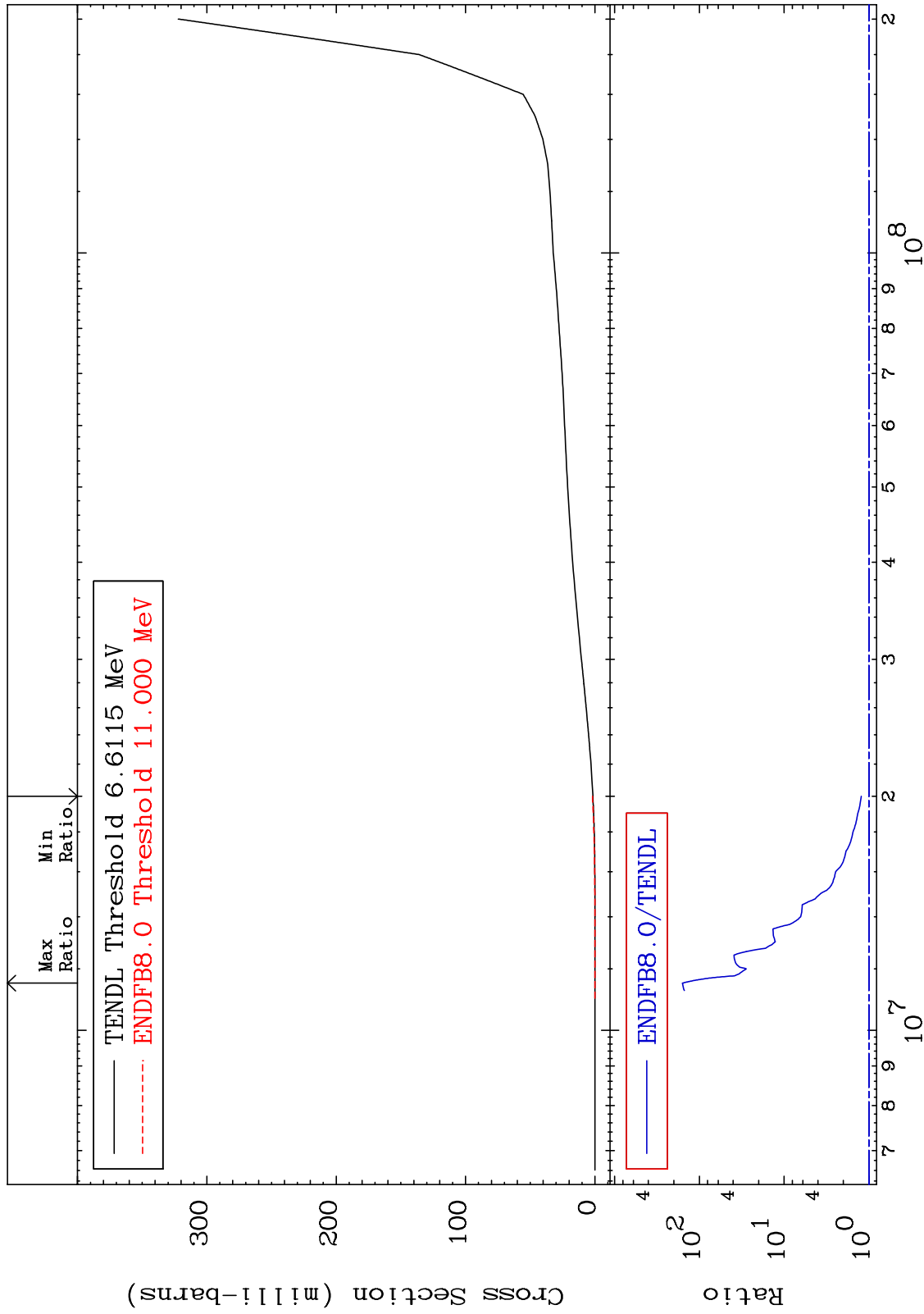
70-Yb-168
-73.87 To 156.7 %



MAT 7025

Tritium Production
Cross Section

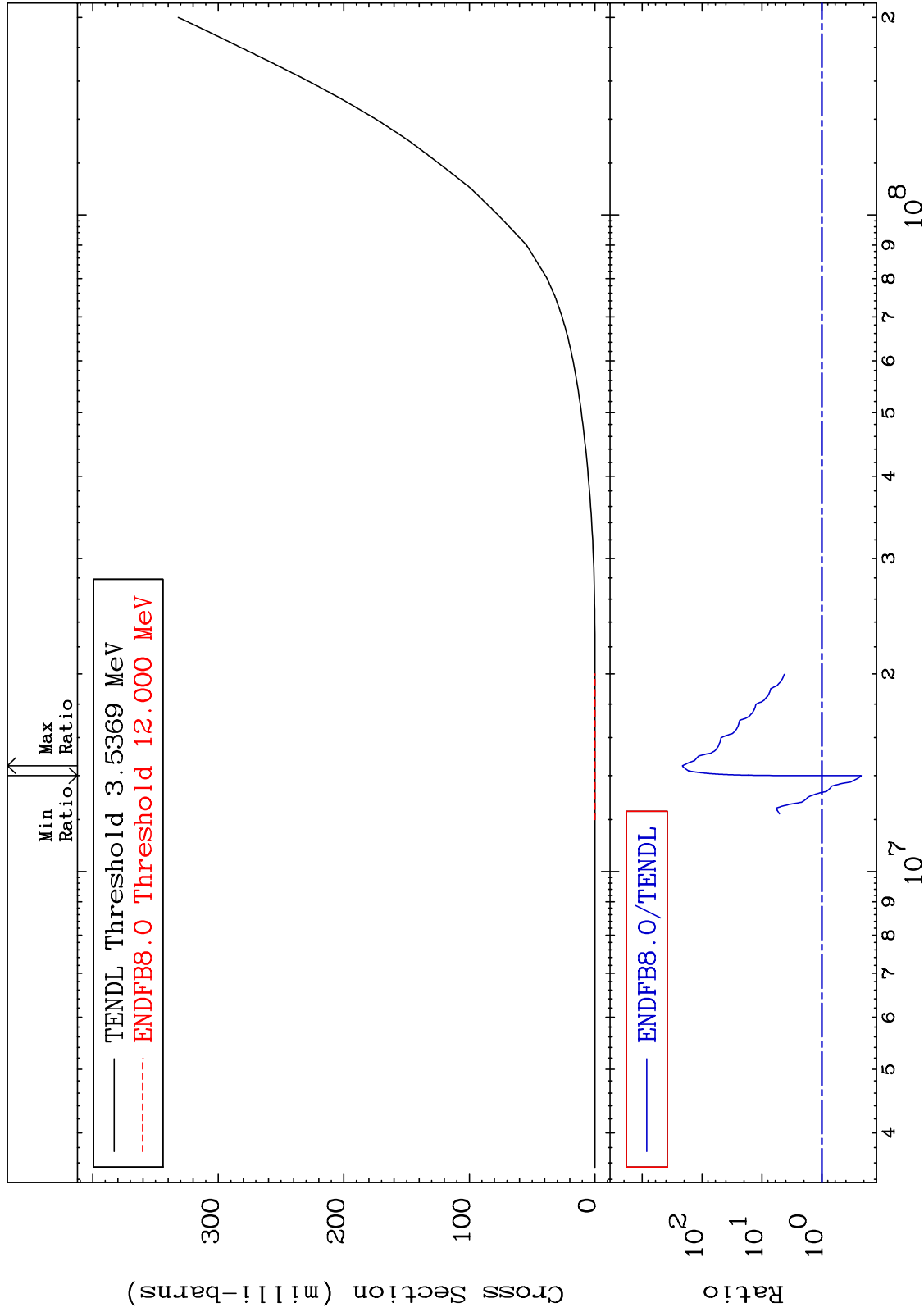
70-Yb-168
22.95 To 9999. %



MAT 7025

He-3 Production
Cross Section

70-Yb-168
-77.90 To 9999. %



33

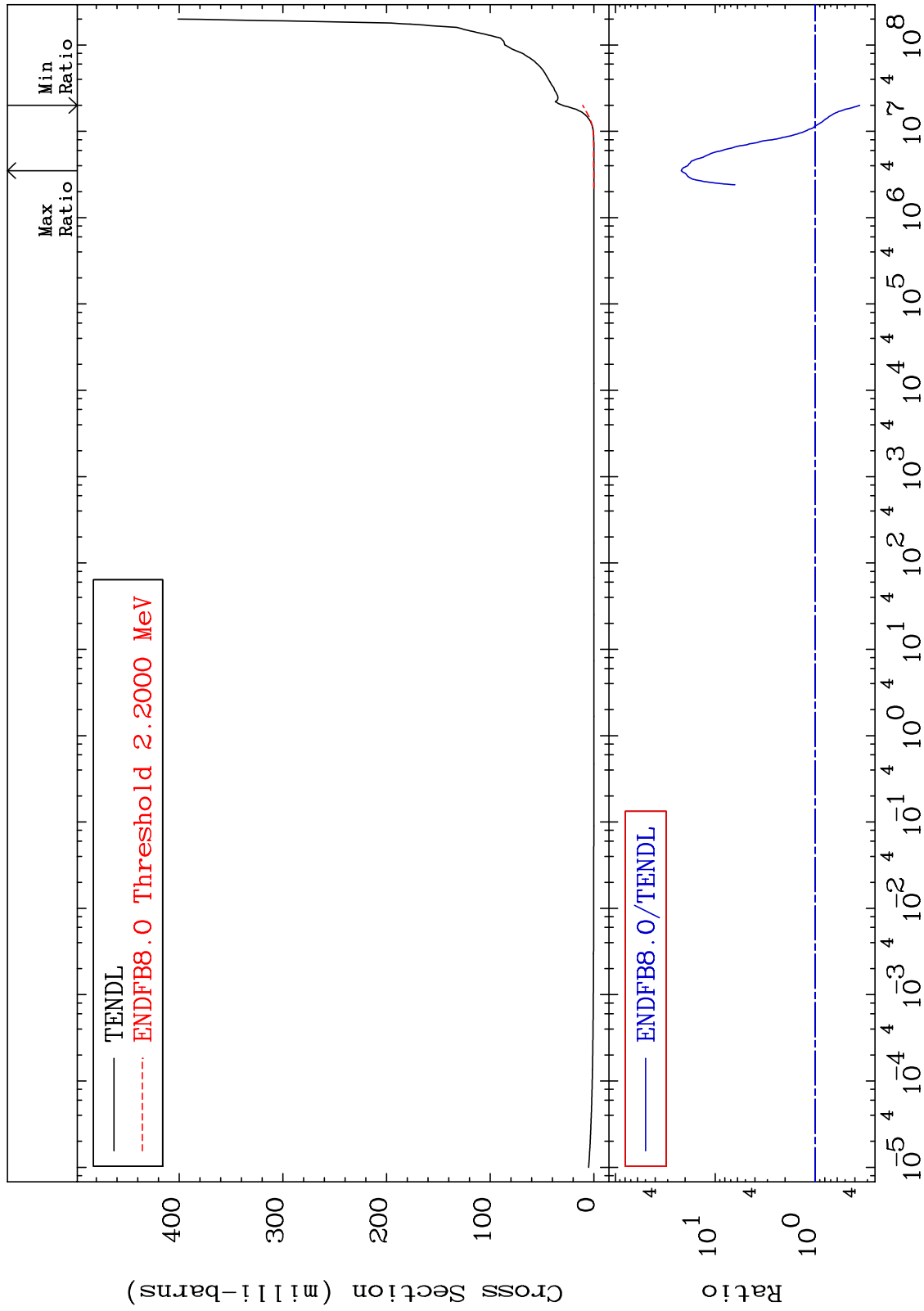
Incident Energy (eV)

70-Yb-168

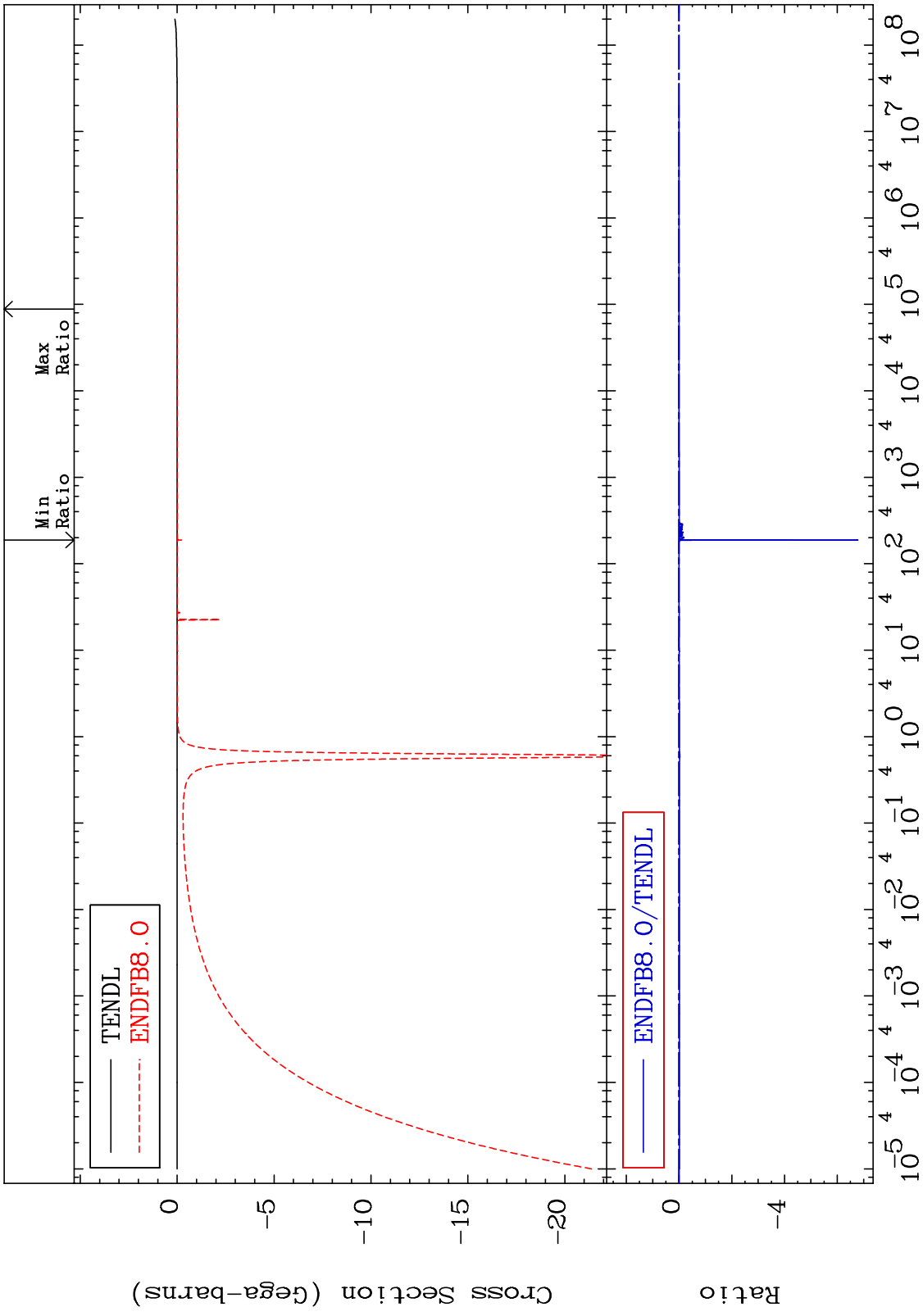
MAT 7025

He-4 Production
Cross Section

70-Yb-168
-64.26 To 2090. %



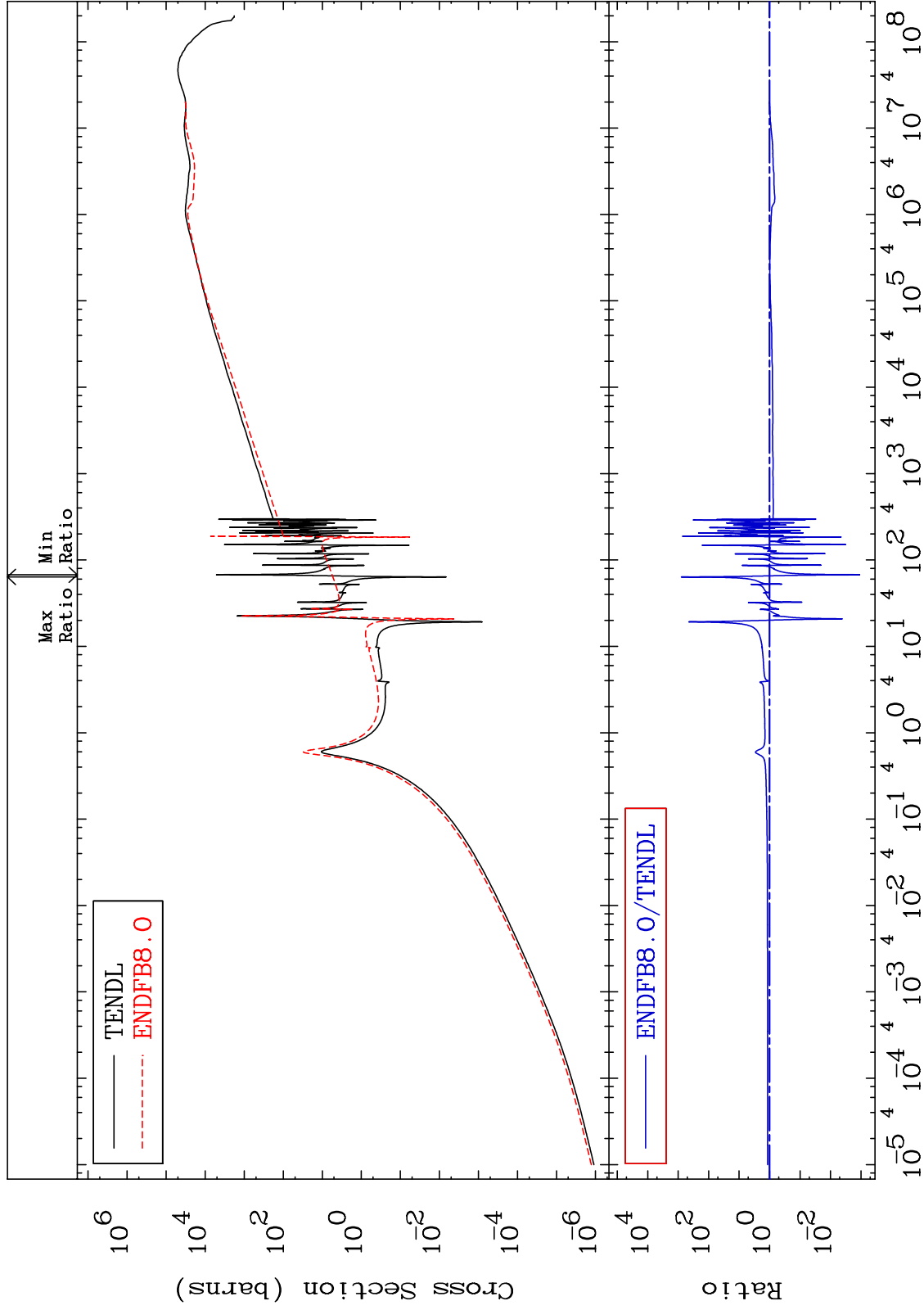
MAT 7025 Kerma total (eV-barns) Cross Section 70-Yb-168
 -9999. To 147.1 %



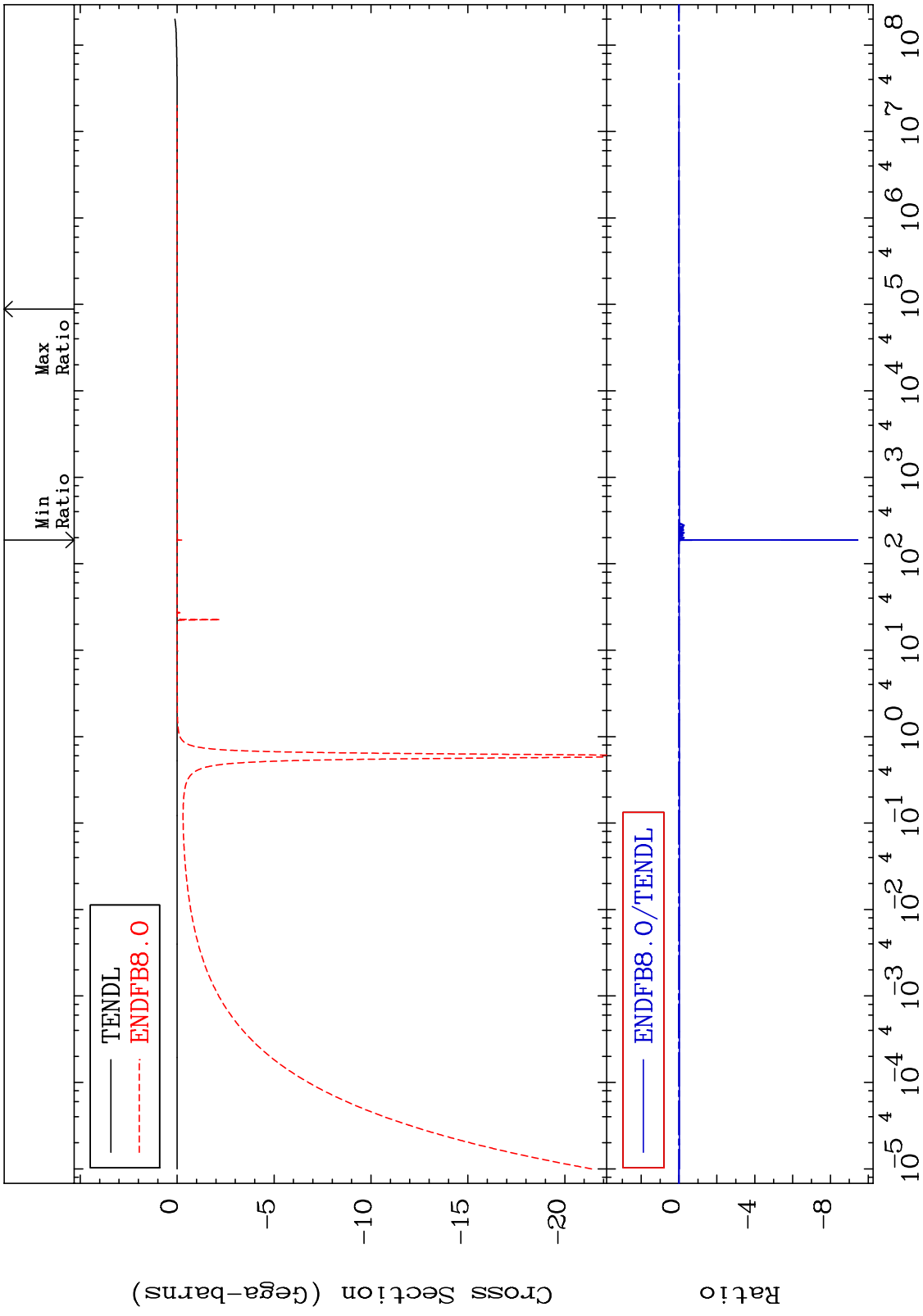
MAT 7025

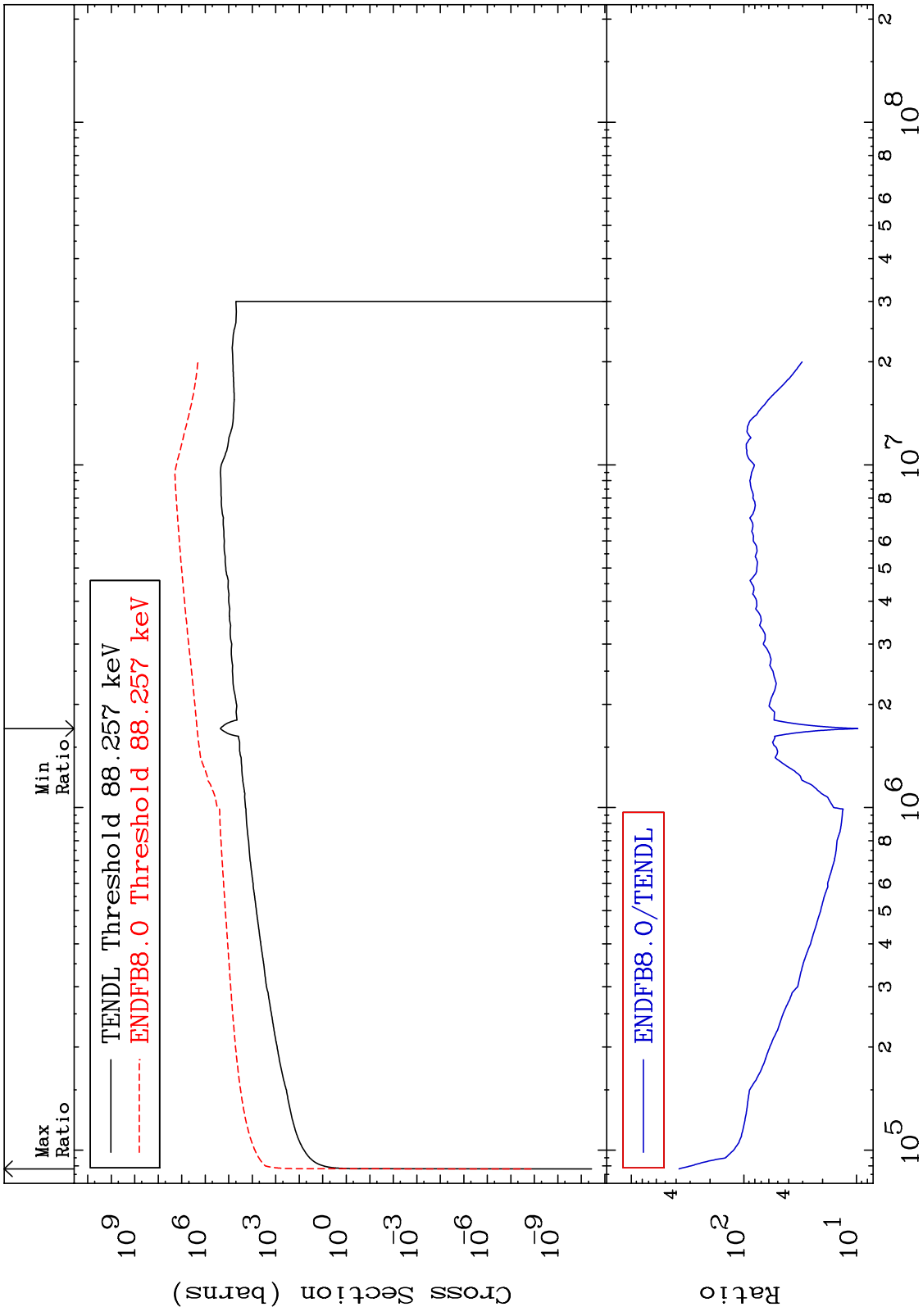
Kerma elastic
Cross Section

70-Yb-168
-99.89 To 9999. %

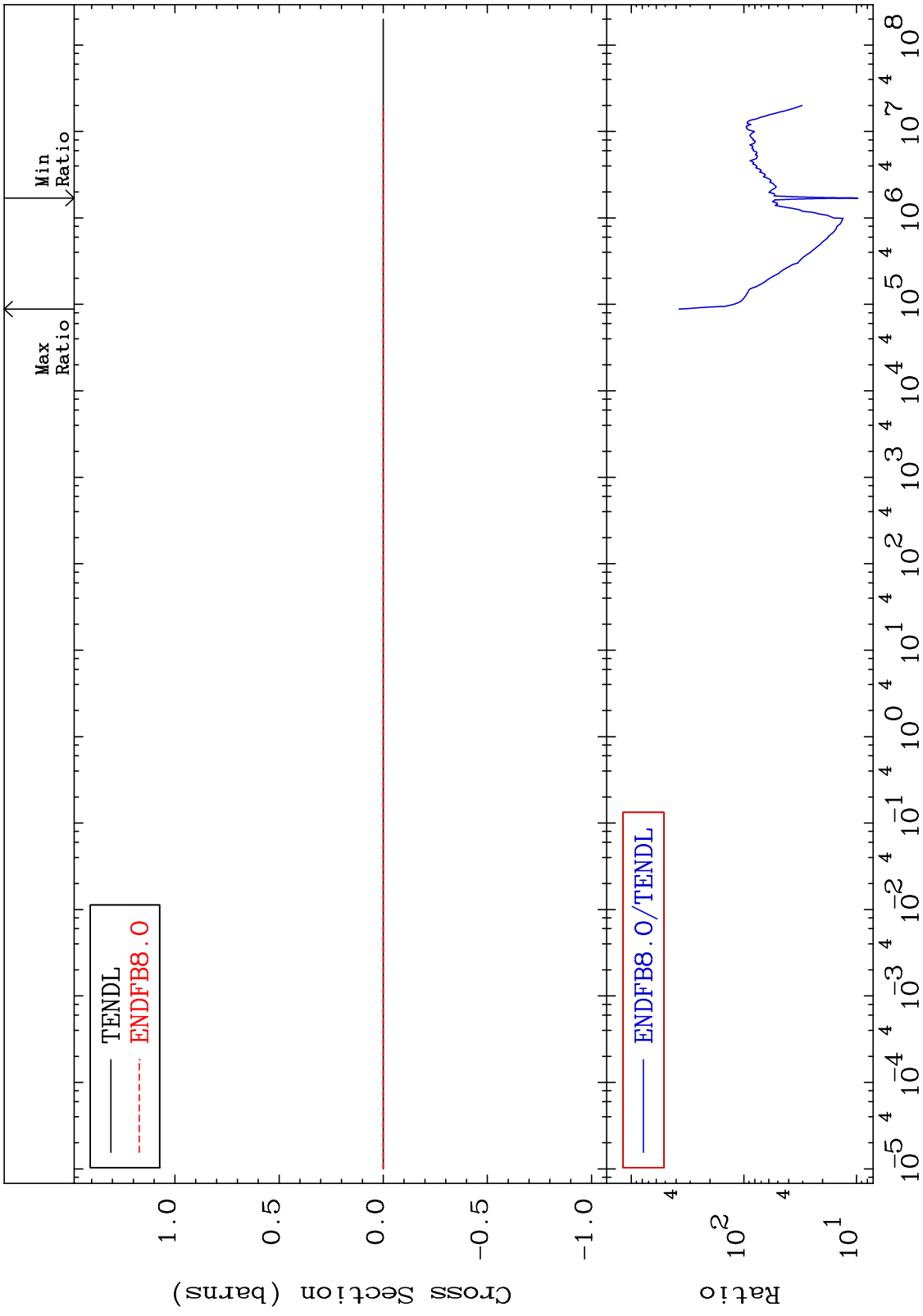


MAT 7025 Kerma non-elastic (all but mt.2) 70-Yb-168
 Cross Section -9999. To 9999. %

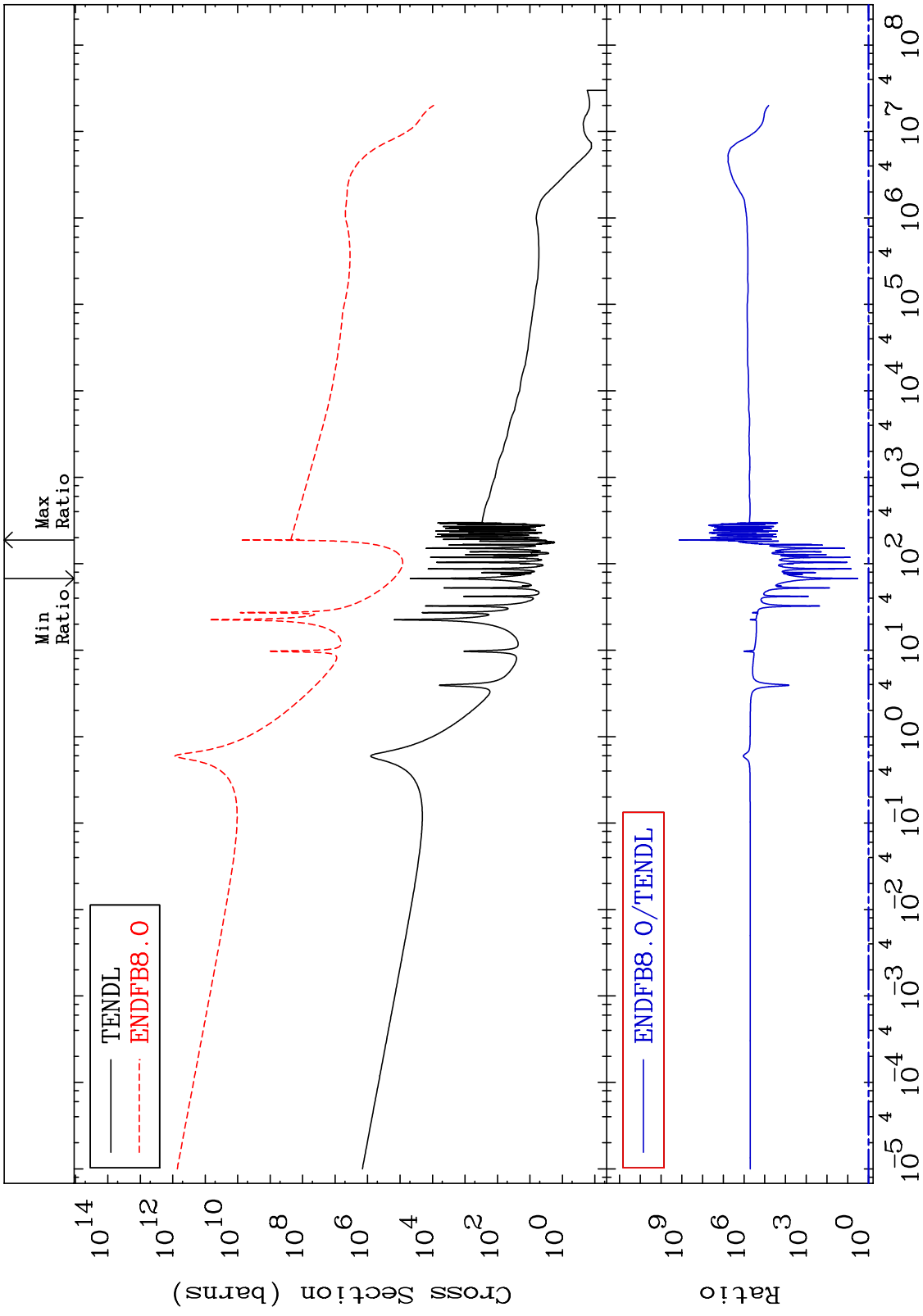




MAT 7025 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-168
 Cross Section 871.4 To 9999. %

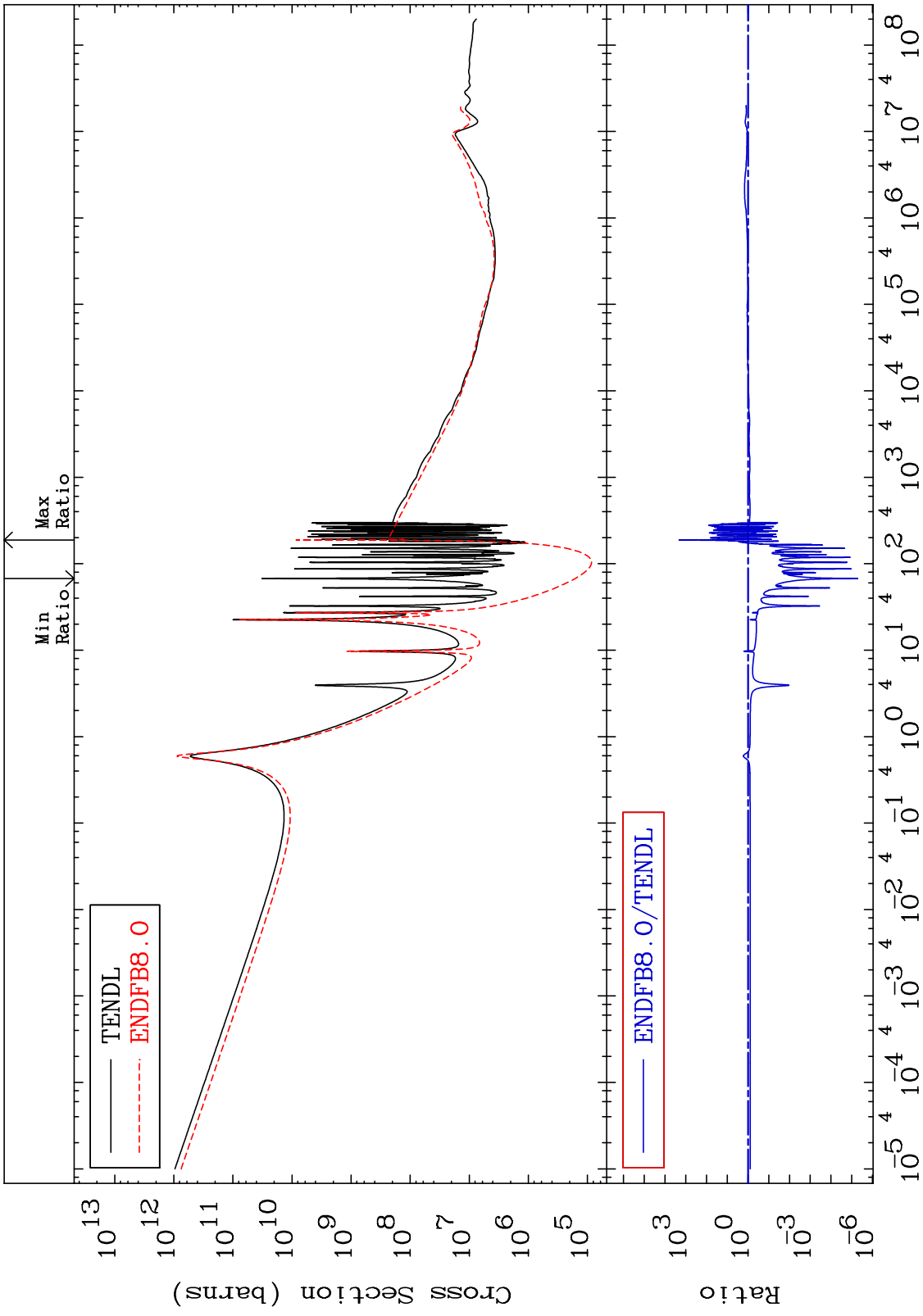


MAT 7025 Kerma capture (mt102) 70-Yb-168
 Cross Section 225.9 To 9999. %



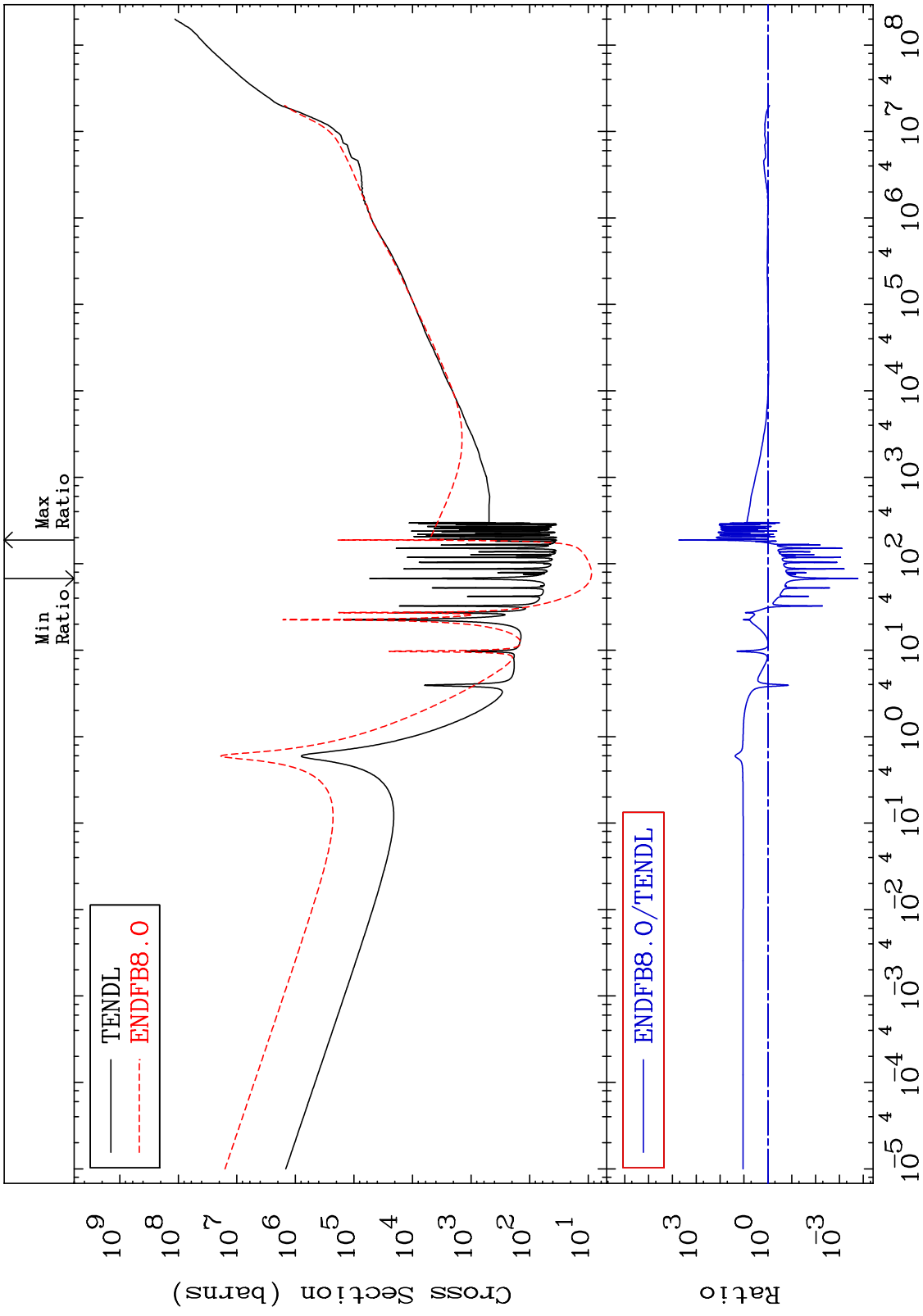
40 70-Yb-168

MAT 7025 70-Yb-168
-100.0 To 9999. %
 Total photon (eV-barns)
 Cross Section



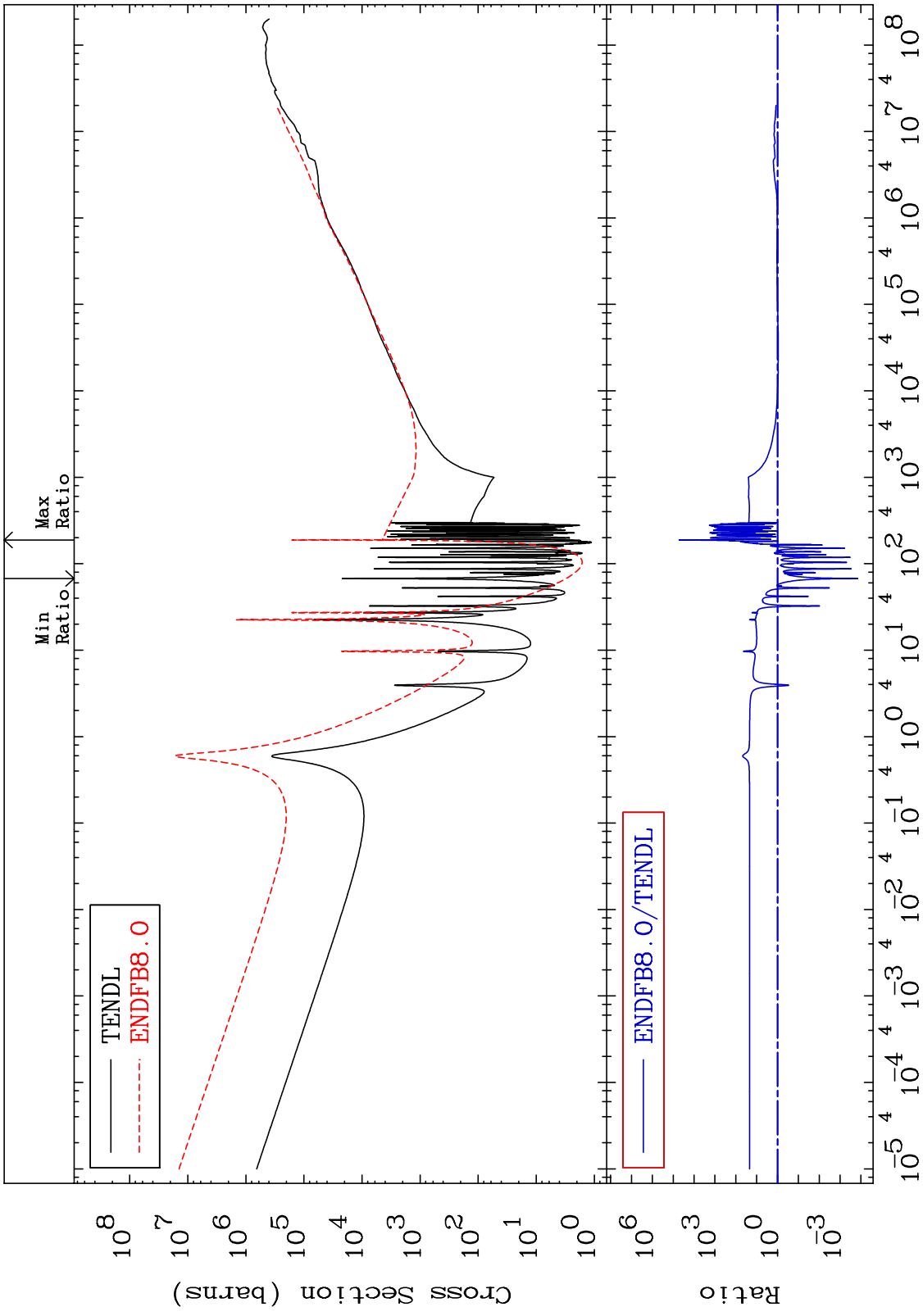
41 70-Yb-168

MAT 7025 Total kinematic kerma (high limit) 70-Yb-168
 -99.98 To 9999. %
 Cross Section

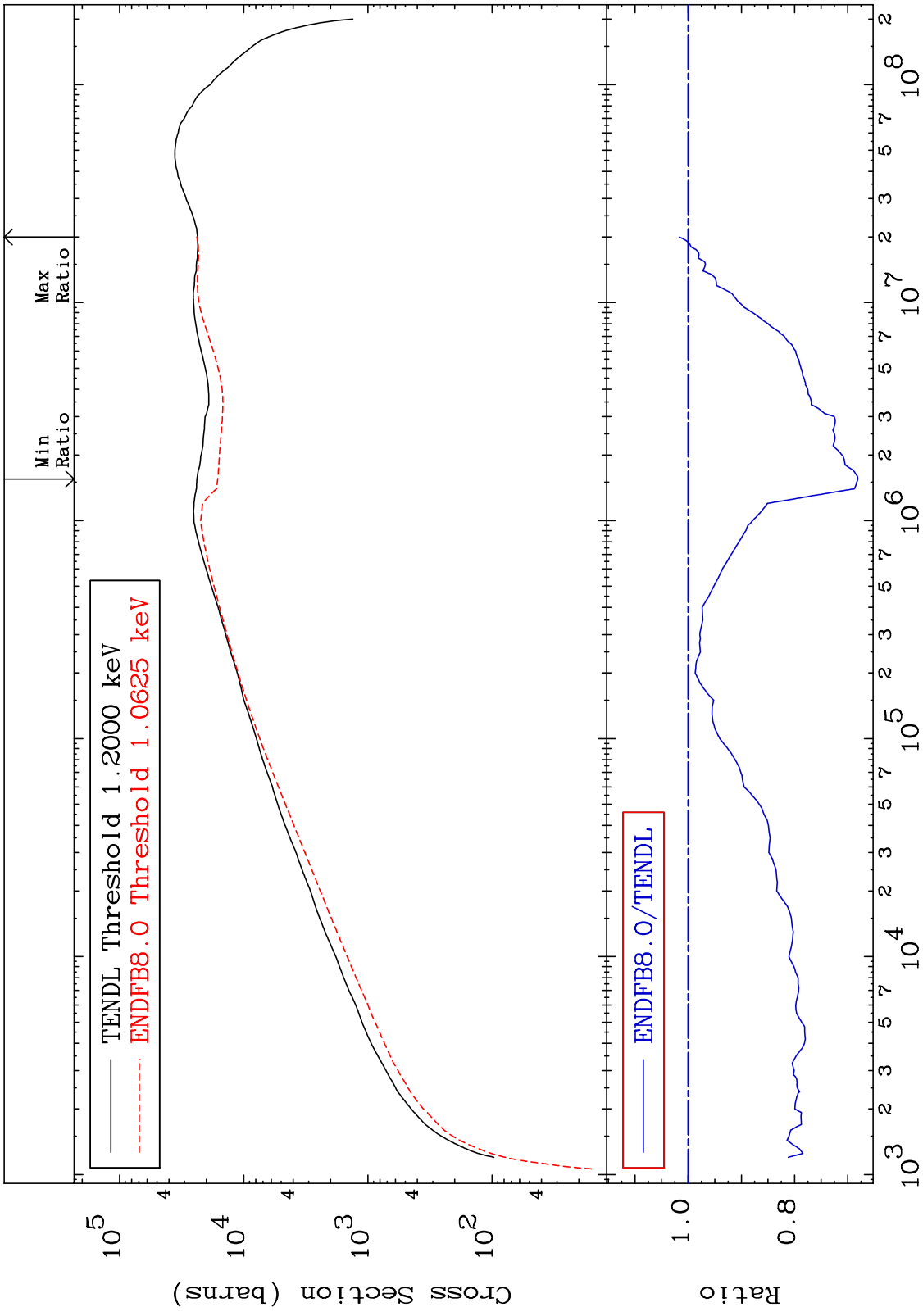


42 Incident Energy (eV) 70-Yb-168

MAT 7025 Dpa total (eV-barns) 70-Yb-168
 -99.99 To 9999. %

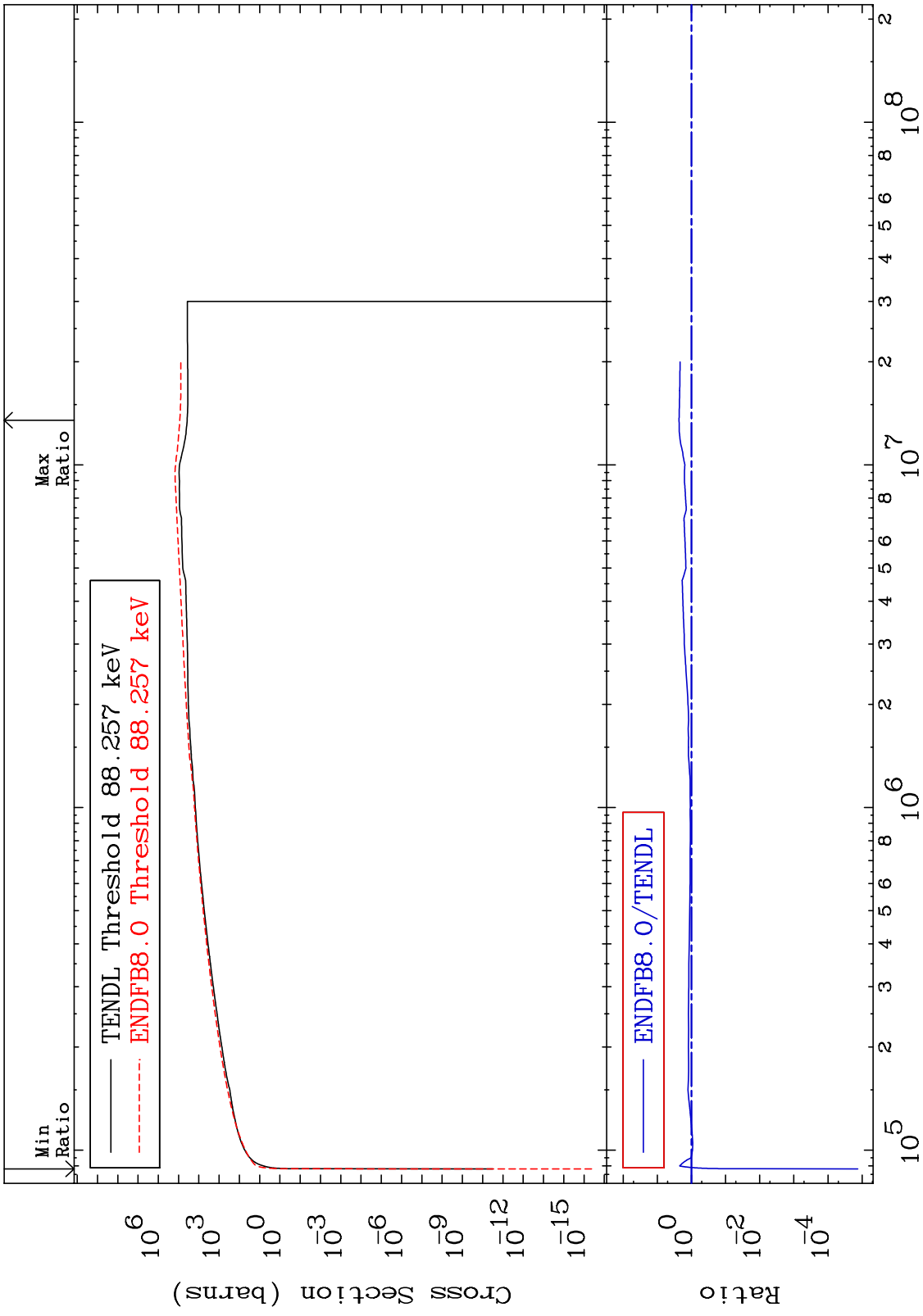


MAT 7025 Dpa elastic (mt2) Cross Section 70-Yb-168
 -31.89 To 1.725 %



44 Incident Energy (eV) 70-Yb-168

MAT 7025 Dpa inelastic (mt51-91) 70-Yb-168
 Cross Section -100.0 To 131.4 %



45 70-Yb-168

MAT 7025 Dpa disappearance (mt102 -120) 70-Yb-168
 Cross Section -99.99 To 9999. %

