

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

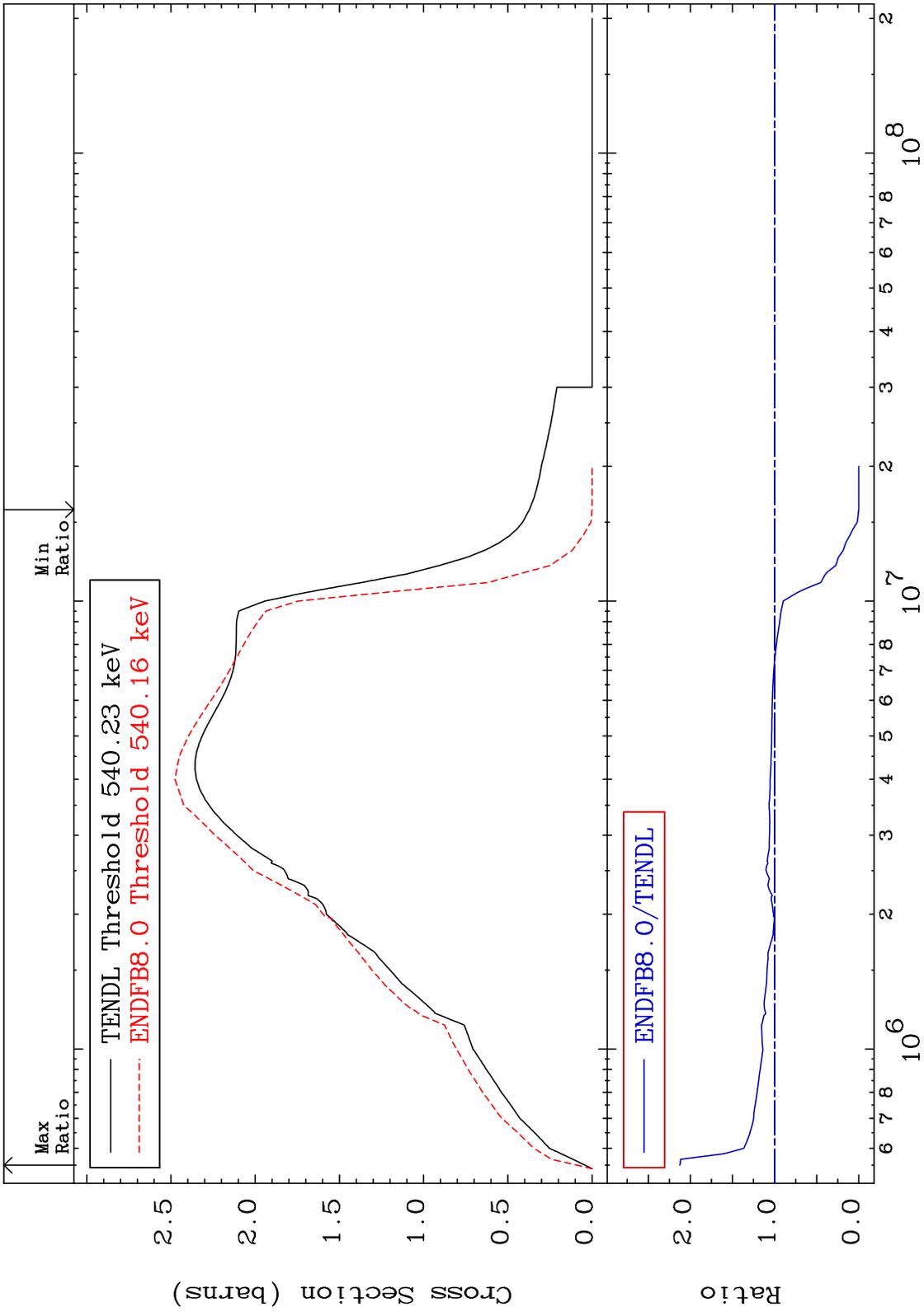
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

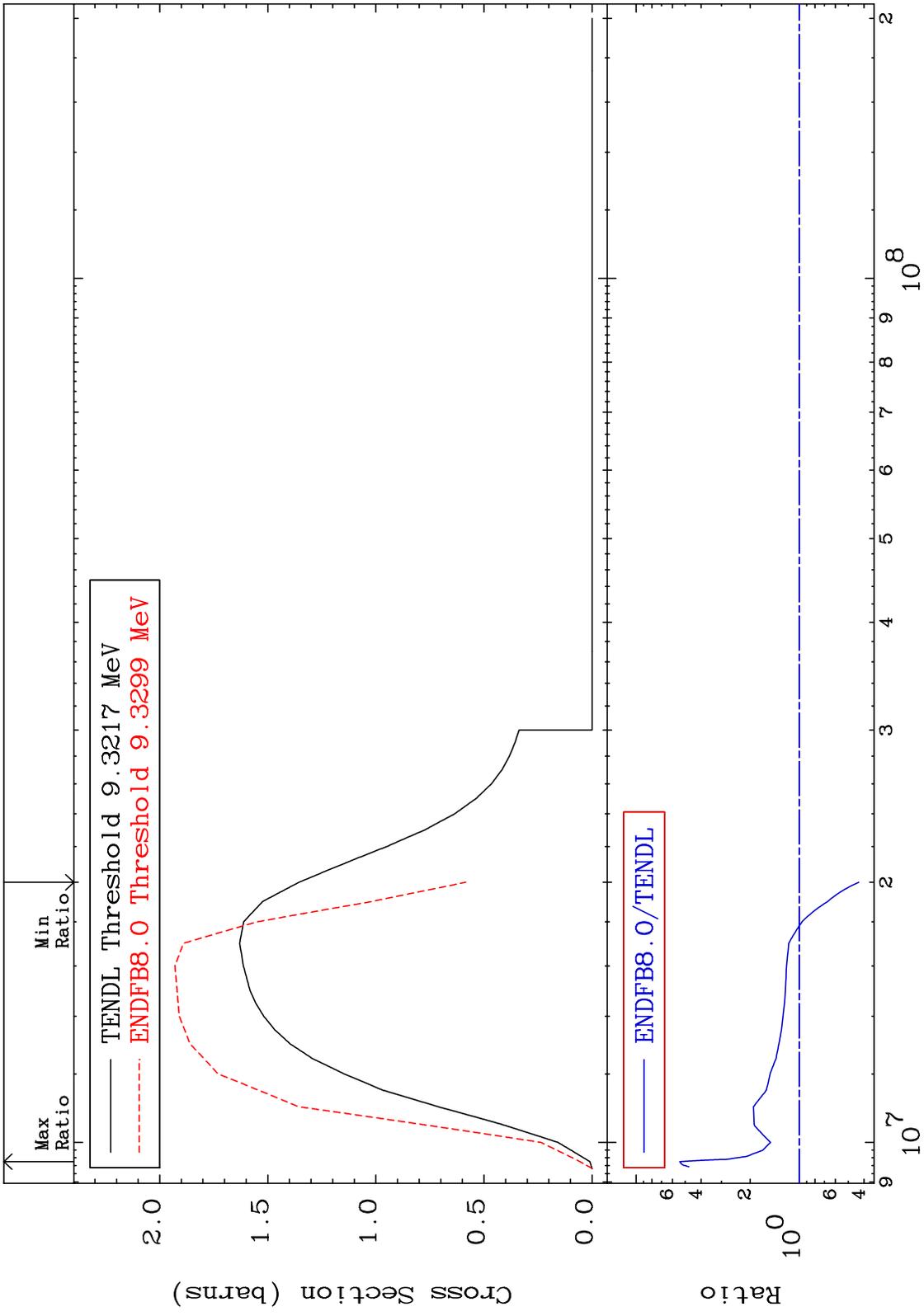




MAT 5443 Inelastic Cross Section 54-Xe-130 -100.0 To 112.6 %

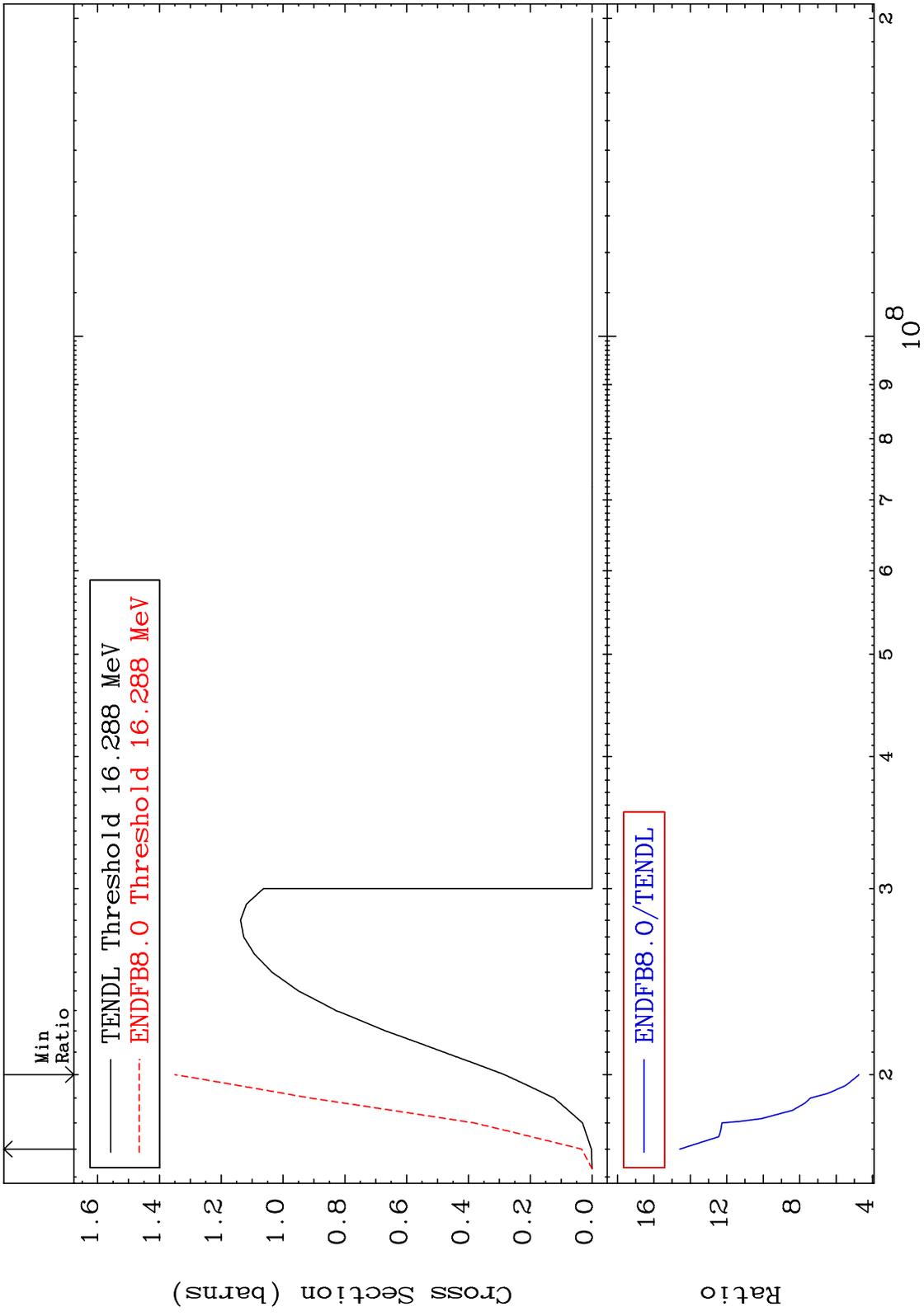


MAT 5443 (n,2n) 54-Xe-130  
 Cross Section -56.92 To 440.4 %

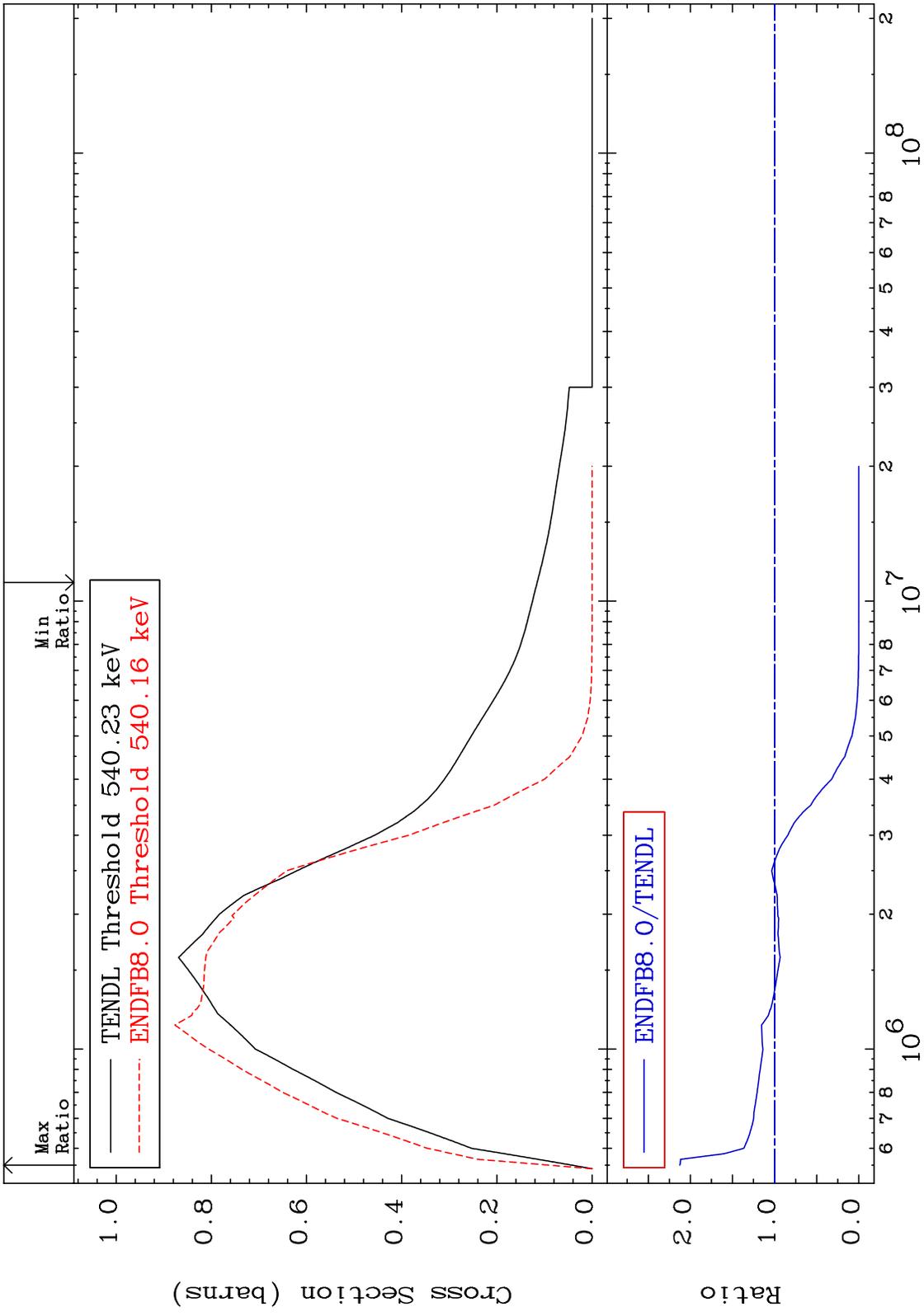


4 Incident Energy (eV) 54-Xe-130

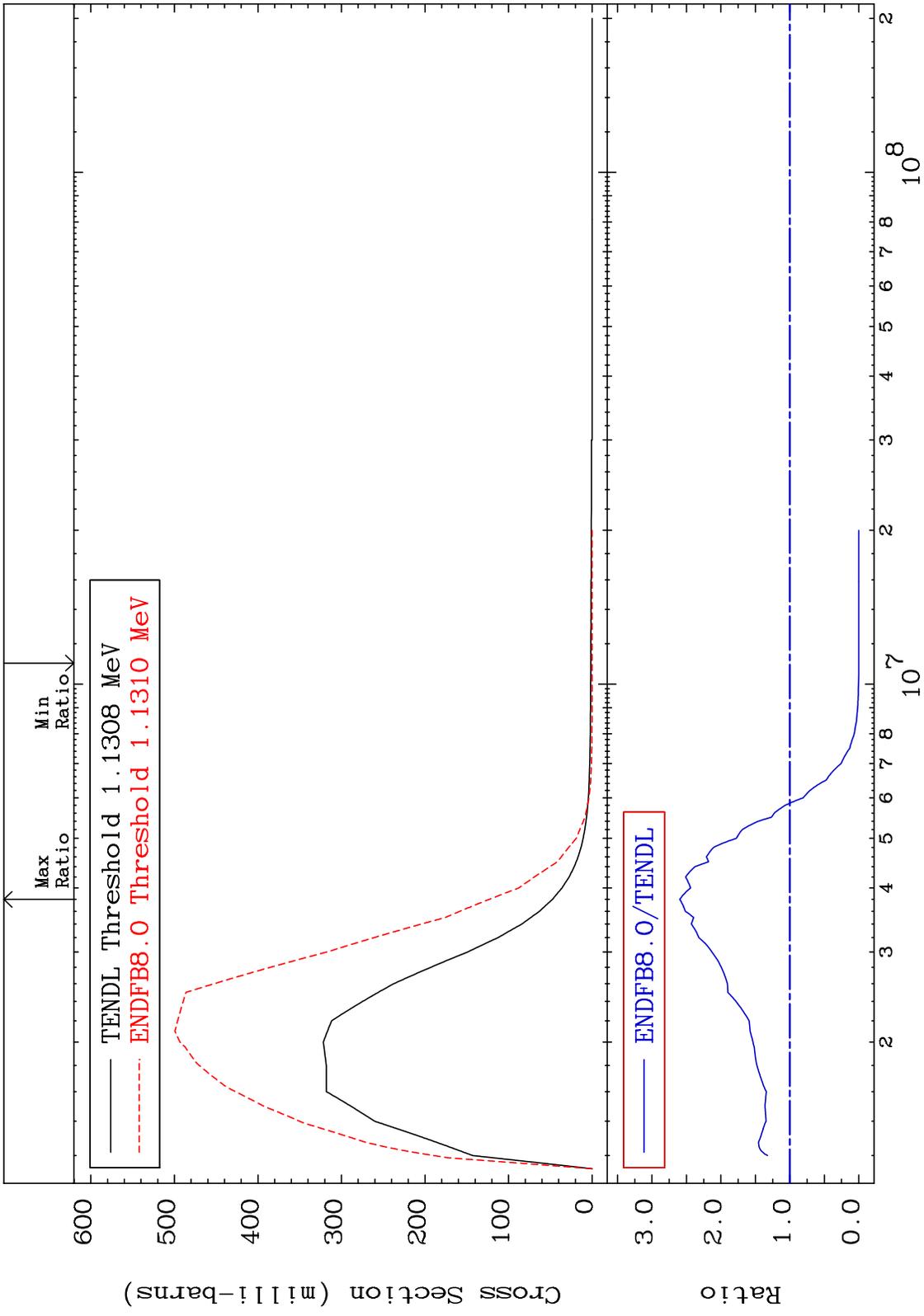
MAT 5443 (n,3n) Cross Section 54-Xe-130 375.4 To 1358. %



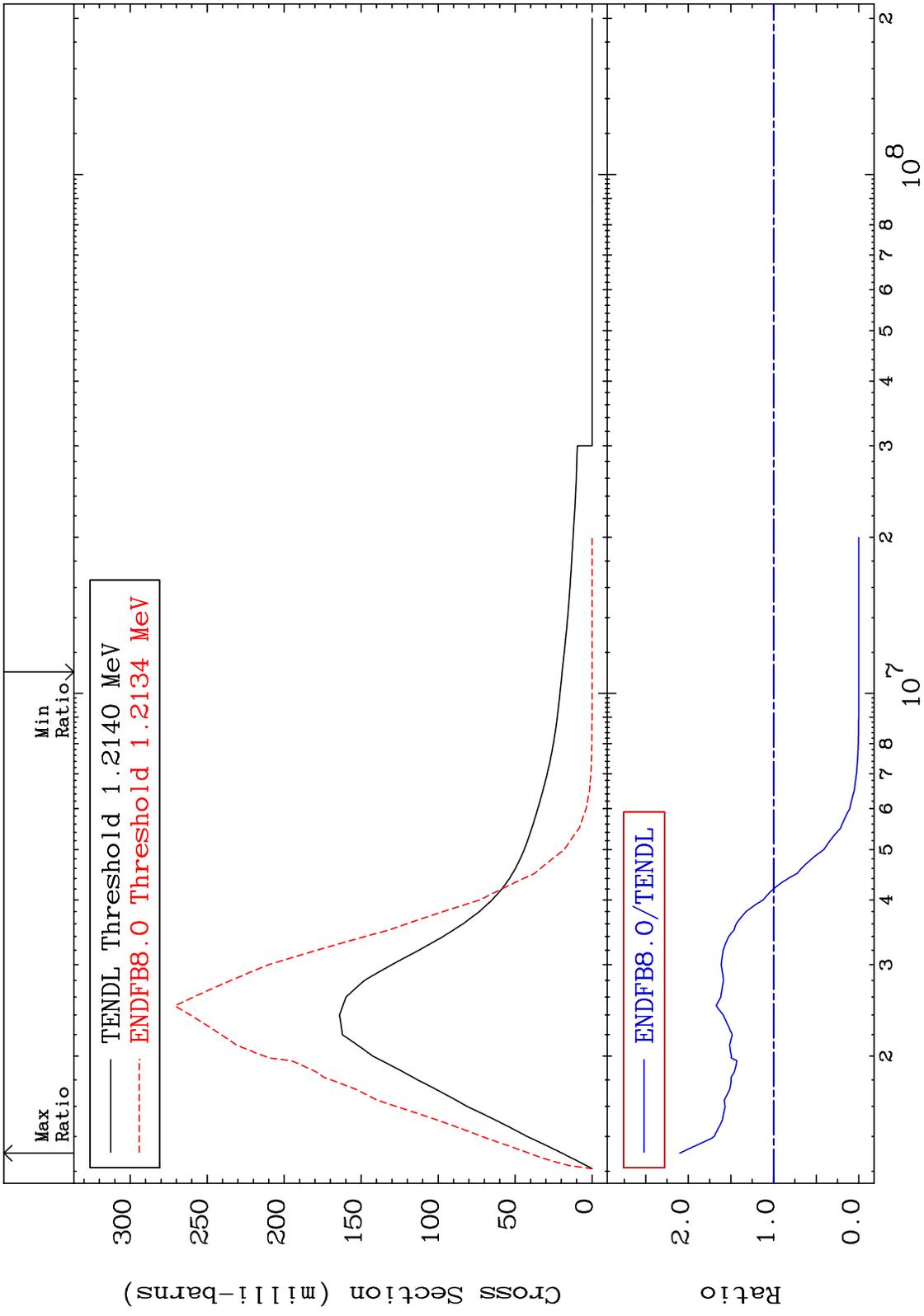
MAT 5443 MT= 51 (n,n') Level Cross Section 54-Xe-130 -100.0 To 112.6 %



MAT 5443 MT= 52 (n,n') Level Cross Section 54-Xe-130 -100.0 To 159.7 %



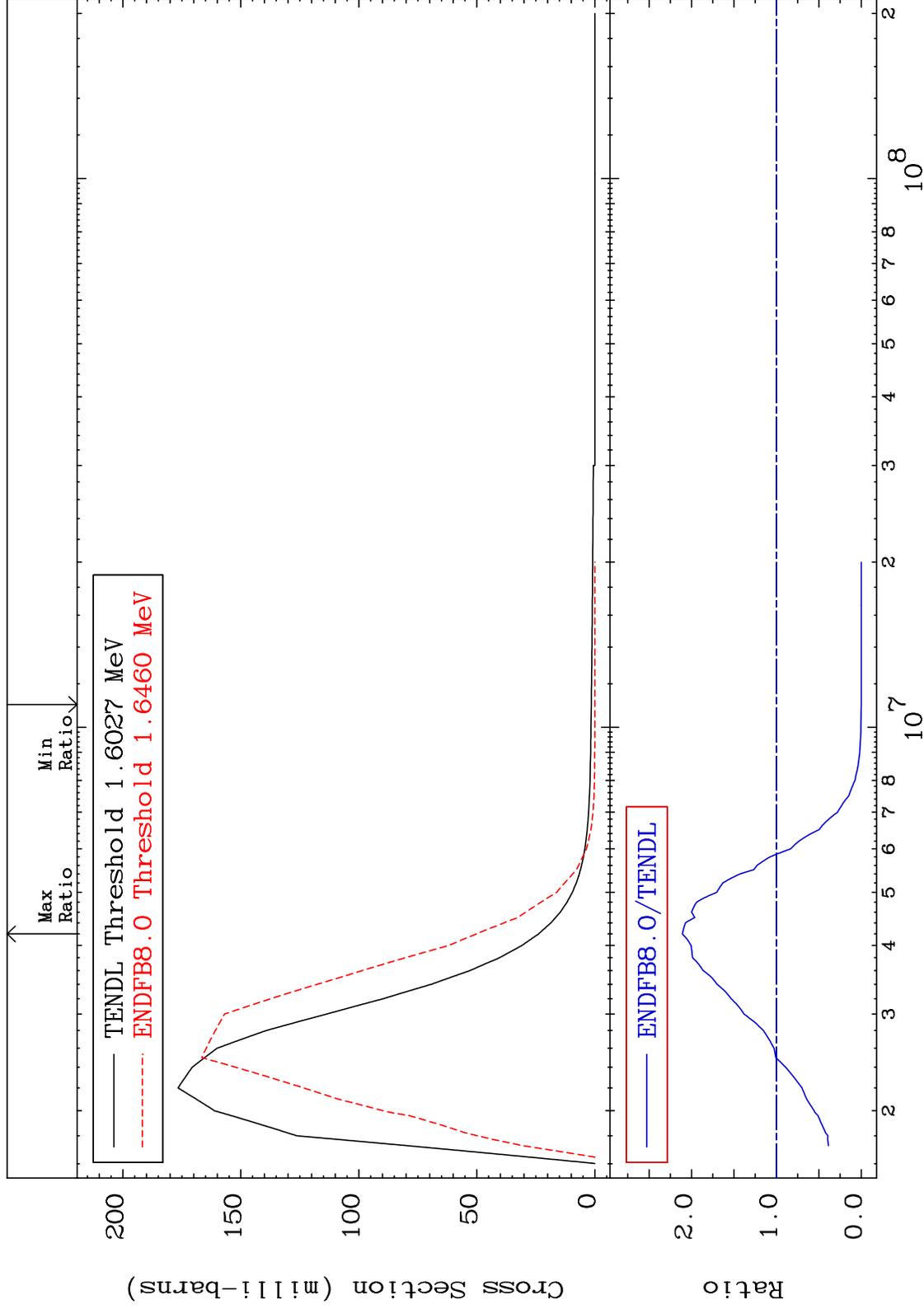
MAT 5443 MT= 53 (n,n') Level Cross Section 54-Xe-130 -100.0 To 110.0 %



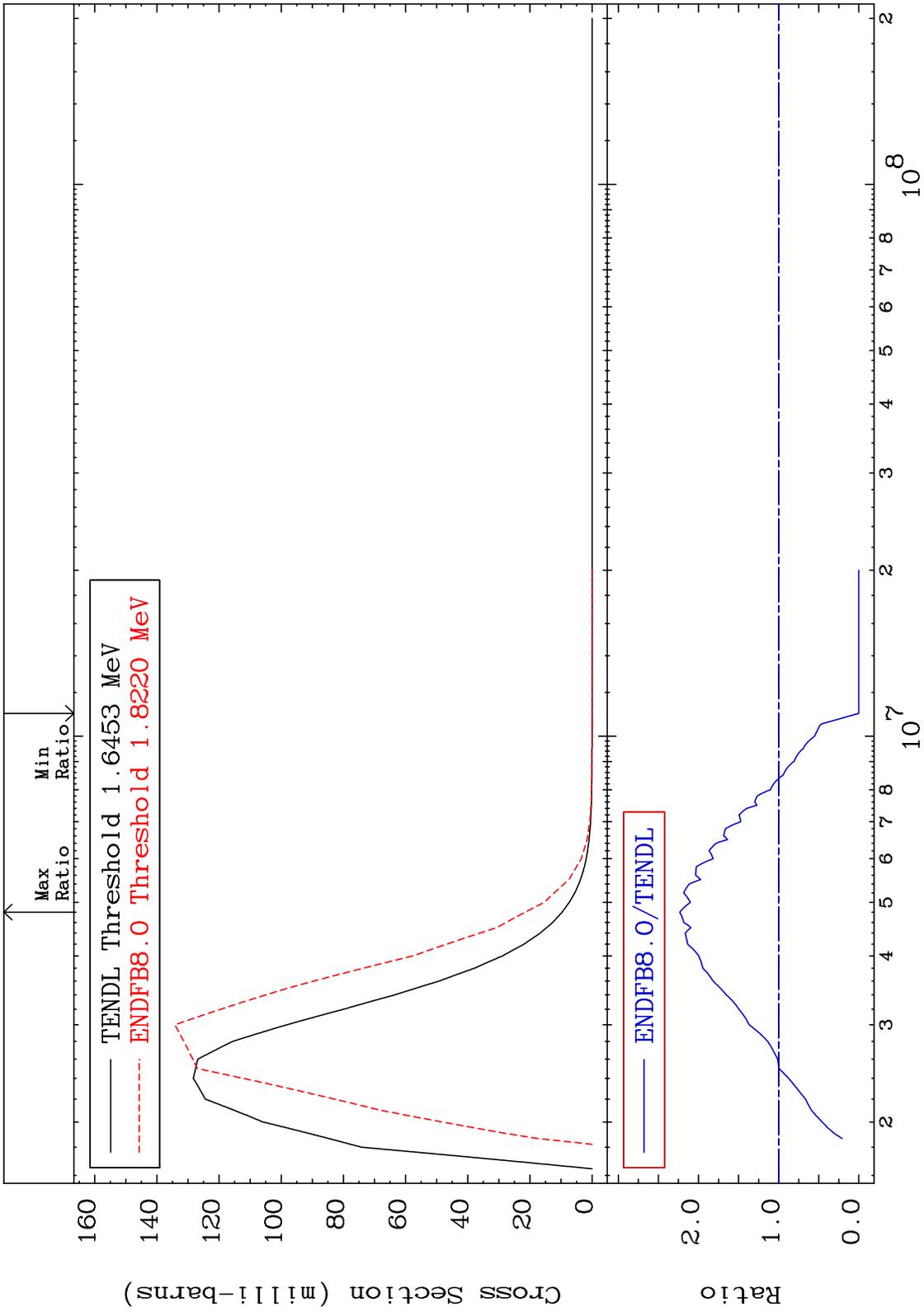
MAT 5443

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

54-Xe-130  
-100.0 To 110.7 %

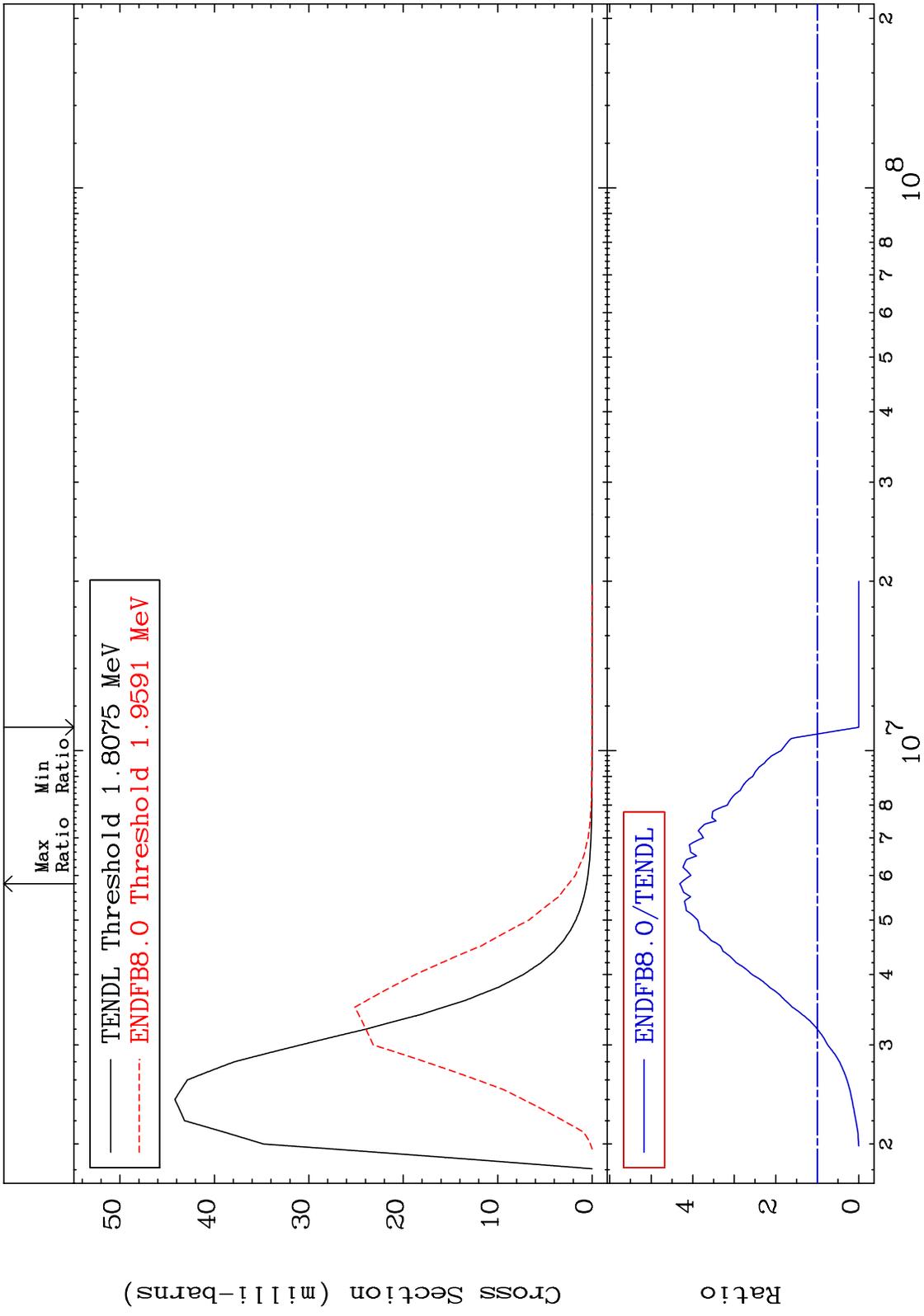


MAT 5443 MT= 55 (n,n') Level Cross Section 54-Xe-130  
 -100.0 To 123.4 %

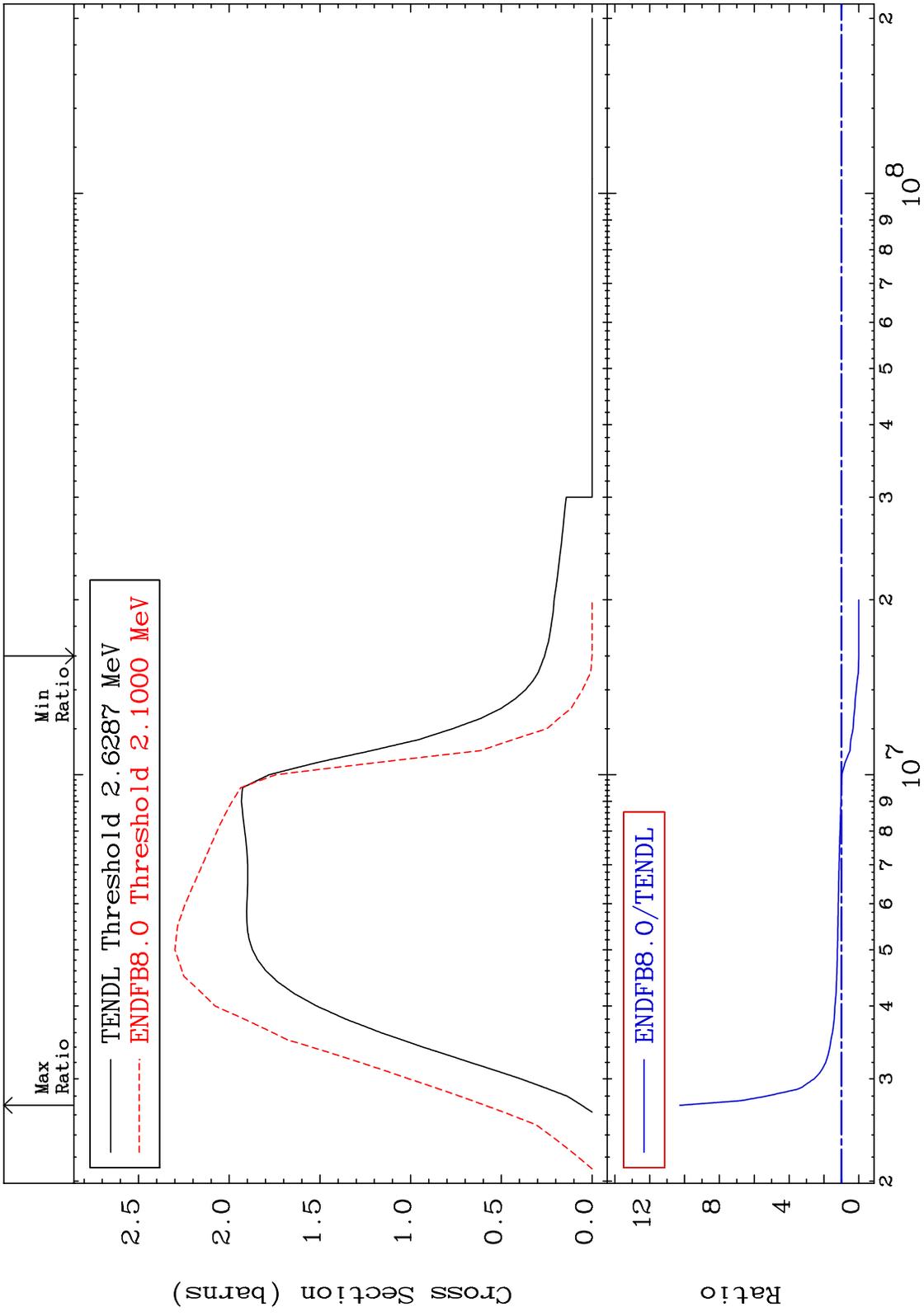


10 Incident Energy (eV) 54-Xe-130

MAT 5443 MT= 56 (n,n') Level Cross Section 54-Xe-130  
 -100.0 To 331.3 %



MAT 5443 (n, n') Continuum Cross Section 54-Xe-130 -100.0 To 927.3 %



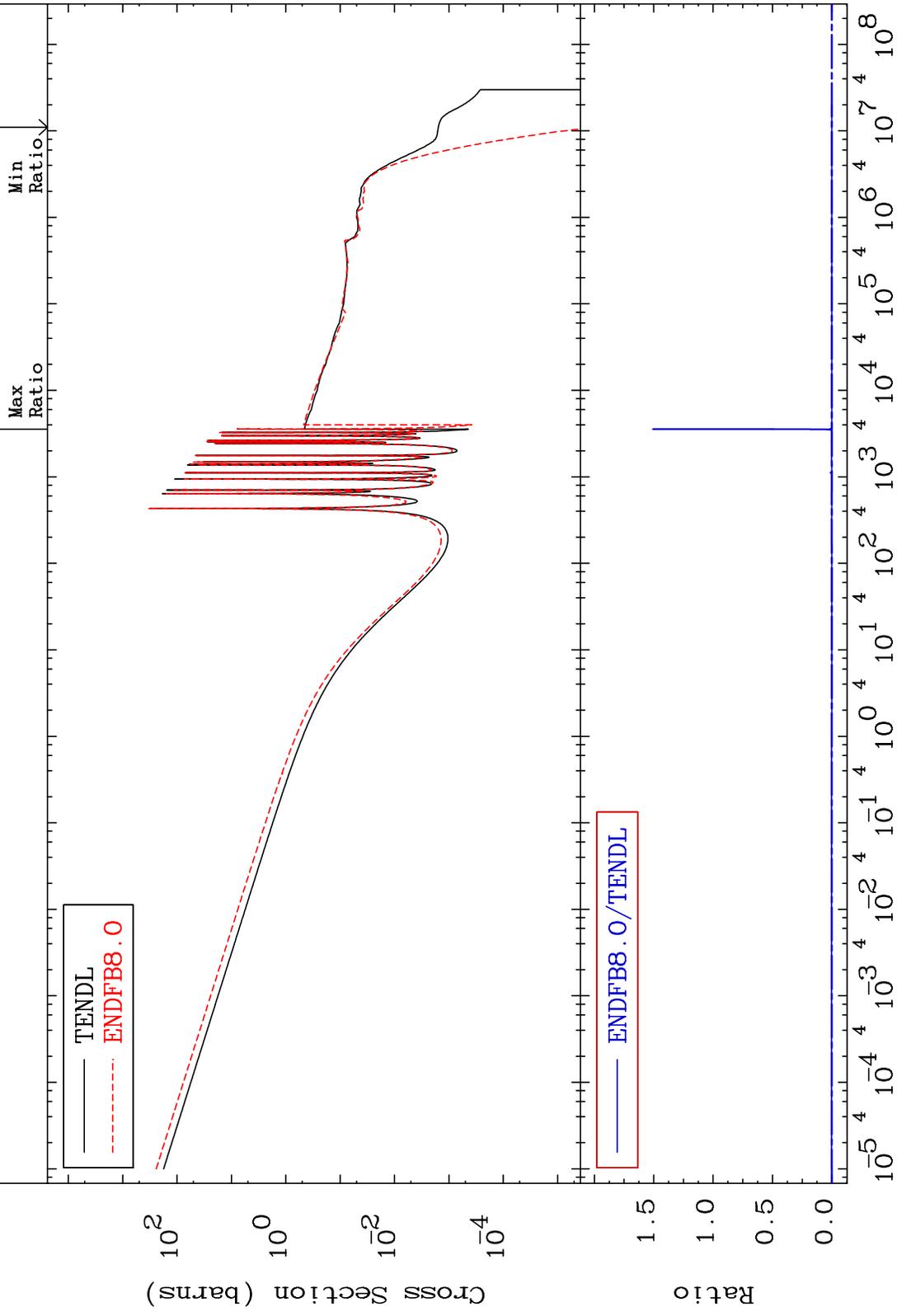
MAT 5443

(n,  $\gamma$ )

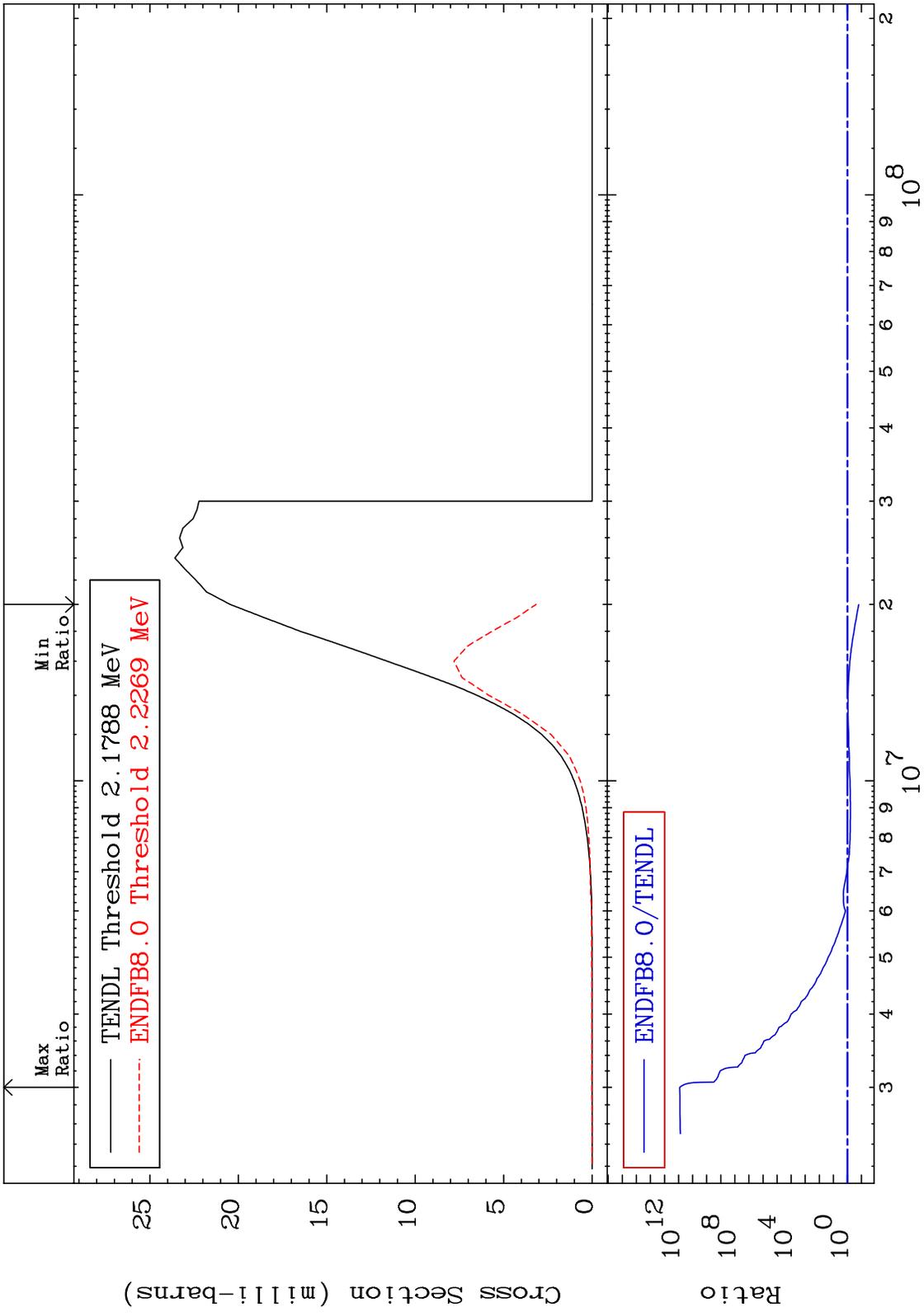
54-Xe-130

-100.0 To 9999. %

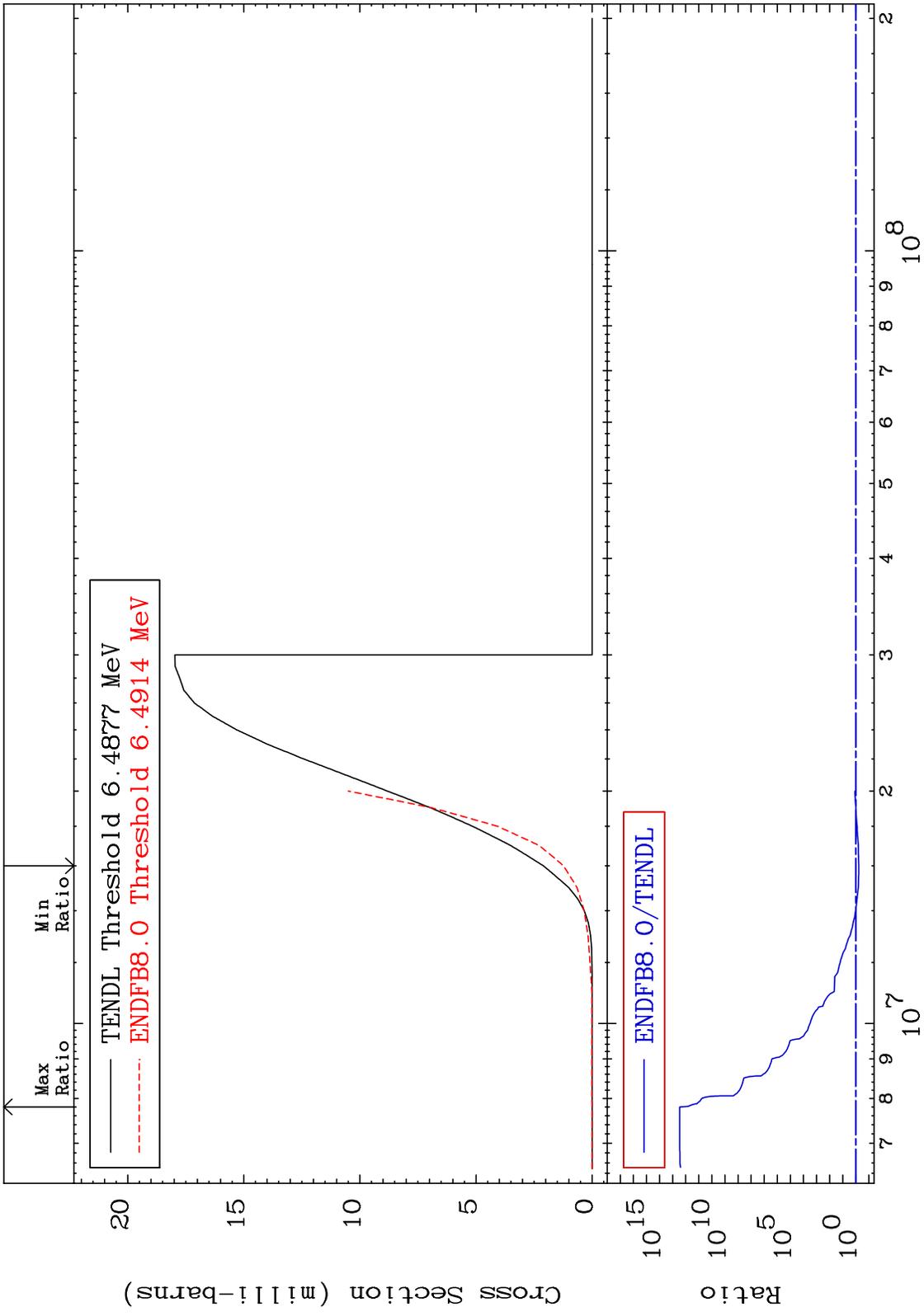
Cross Section



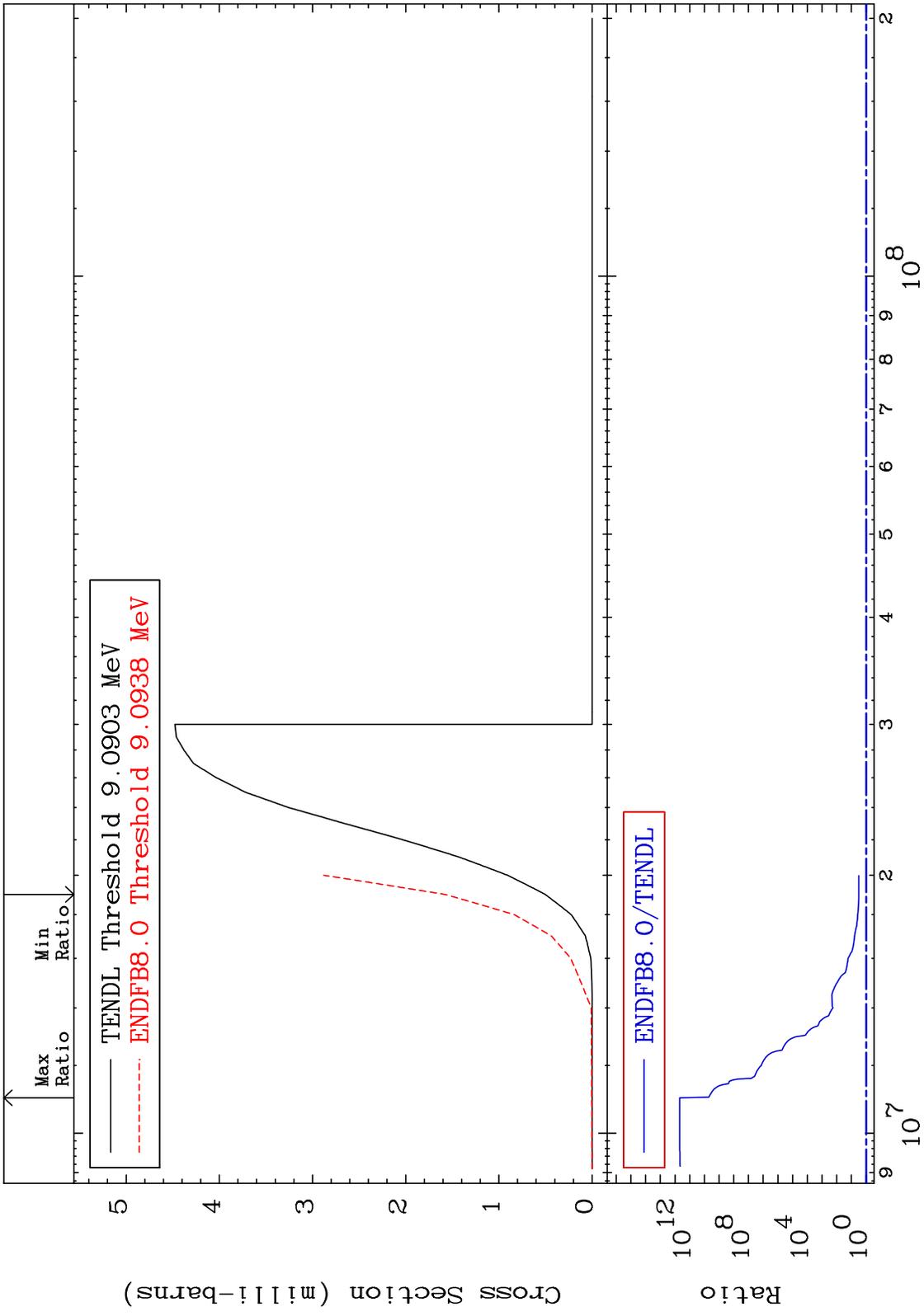
MAT 5443 (n,p) Cross Section 54-Xe-130 -84.51 To 9999. %



MAT 5443 (n,d) 54-Xe-130  
 Cross Section -41.21 To 9999. %



MAT 5443 (n,t) Cross Section 54-Xe-130 214.5 To 9999. %



16 Incident Energy (eV) 54-Xe-130

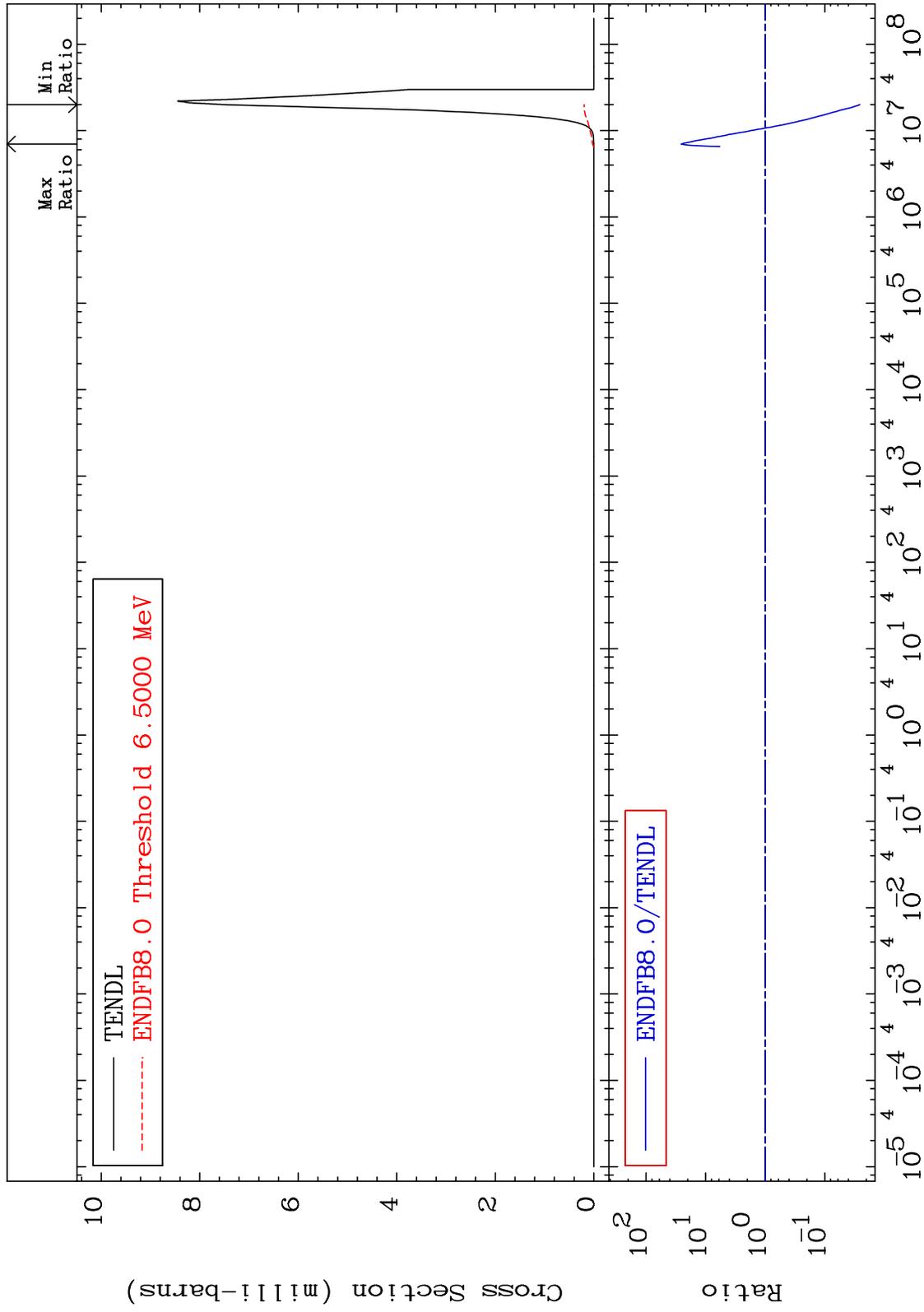
MAT 5443

(n,  $\alpha$ )

54-Xe-130

Cross Section

-97.42 To 2472. %

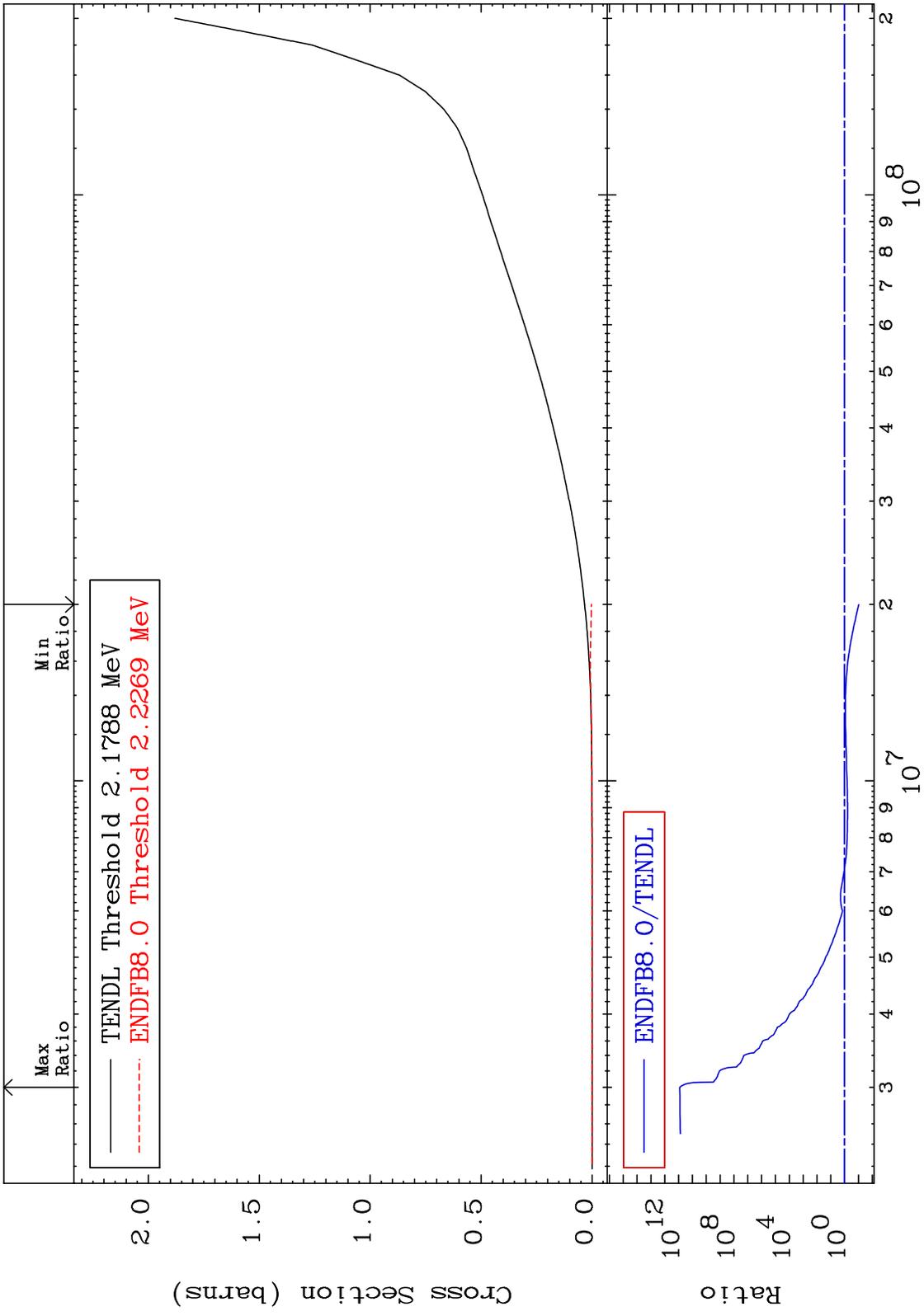


17

Incident Energy (eV)

54-Xe-130

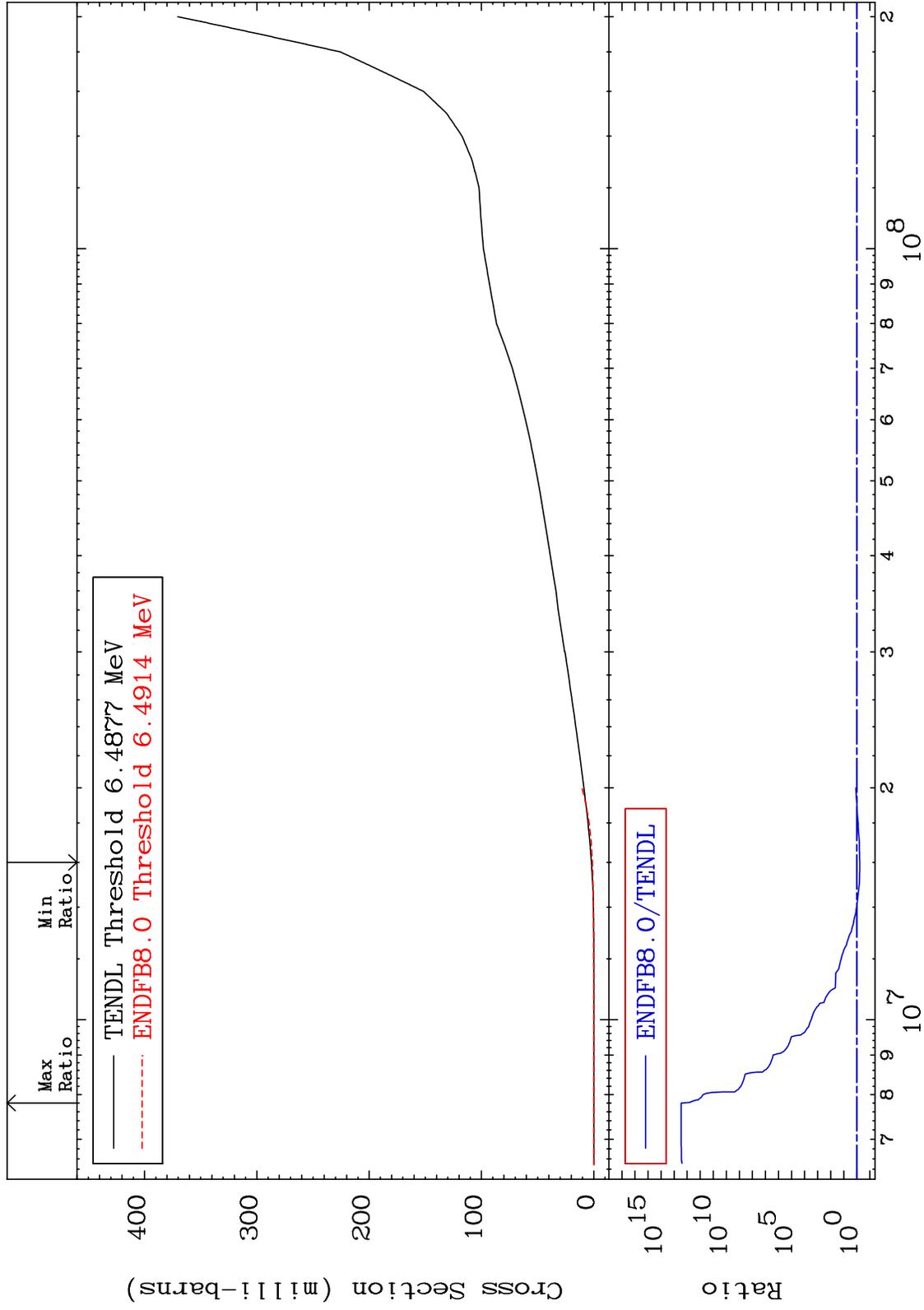
MAT 5443 Hydrogen Production Cross Section 54-Xe-130 -90.60 To 9999. %



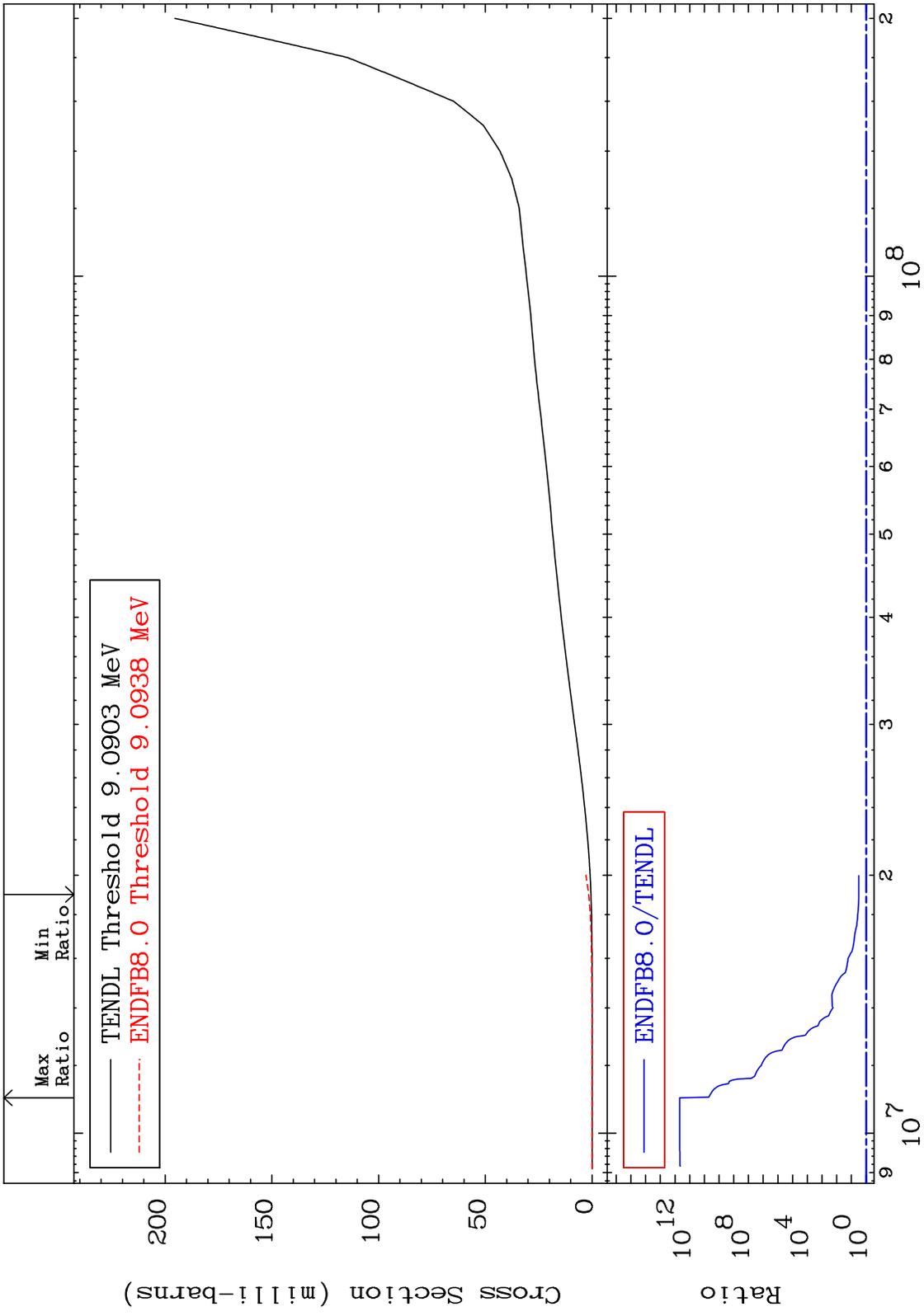
MAT 5443

Deuterium Production  
Cross Section

54-Xe-130  
-41.21 To 9999. %



MAT 5443 Tritium Production Cross Section 54-Xe-130 214.5 To 9999. %

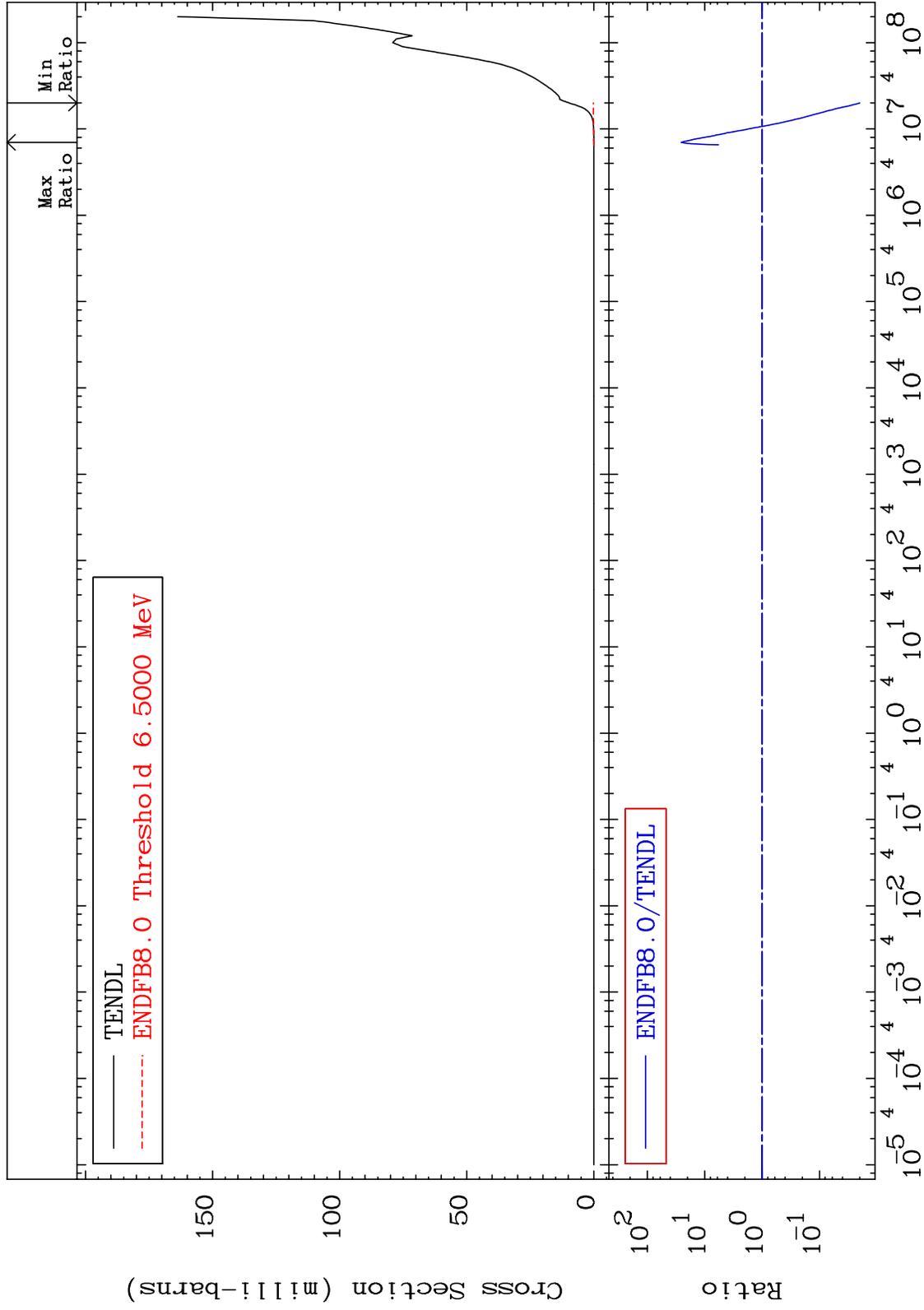


20 Incident Energy (eV) 54-Xe-130

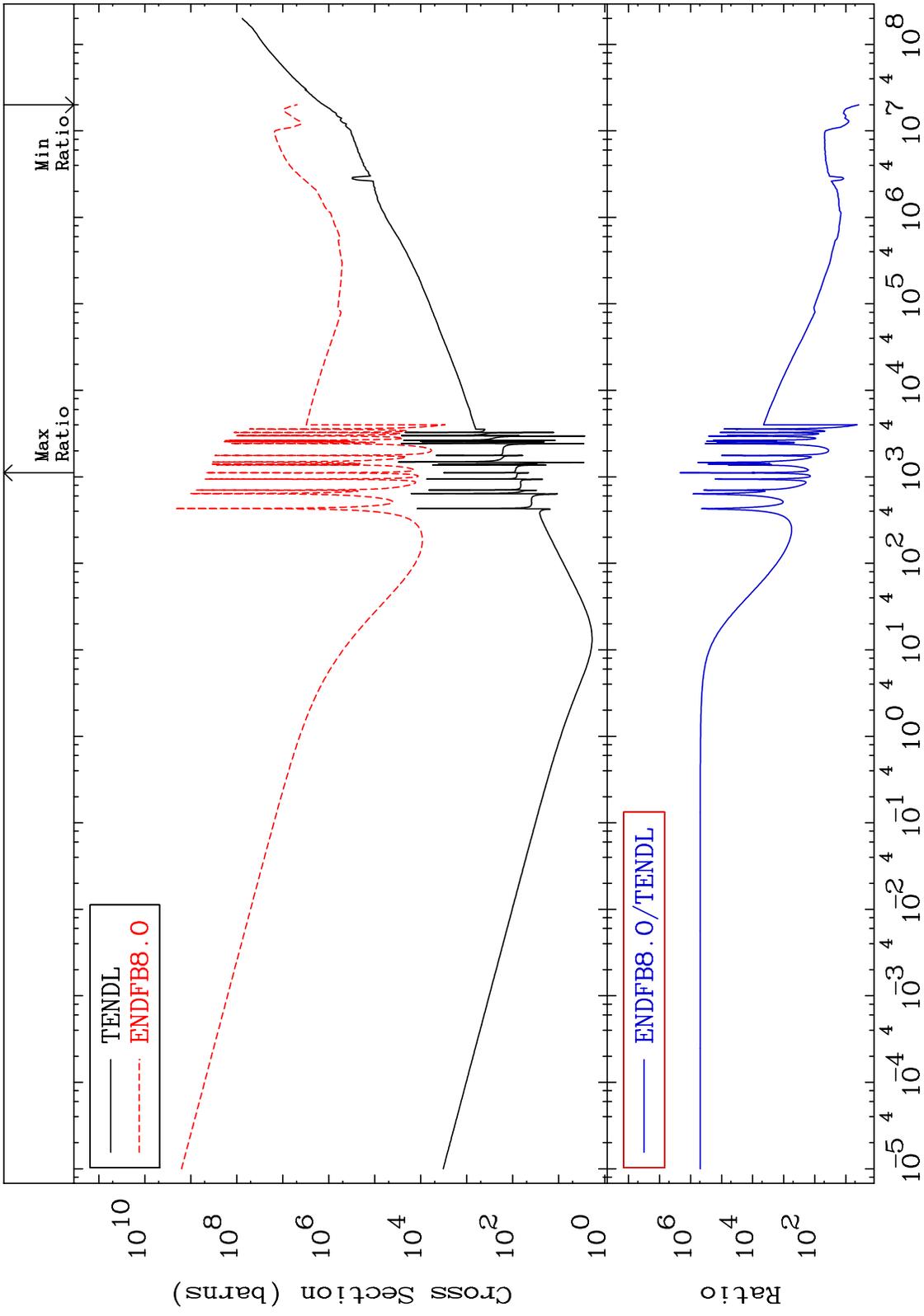
MAT 5443

He-4 Production  
Cross Section

54-Xe-130  
-98.01 To 2472. %



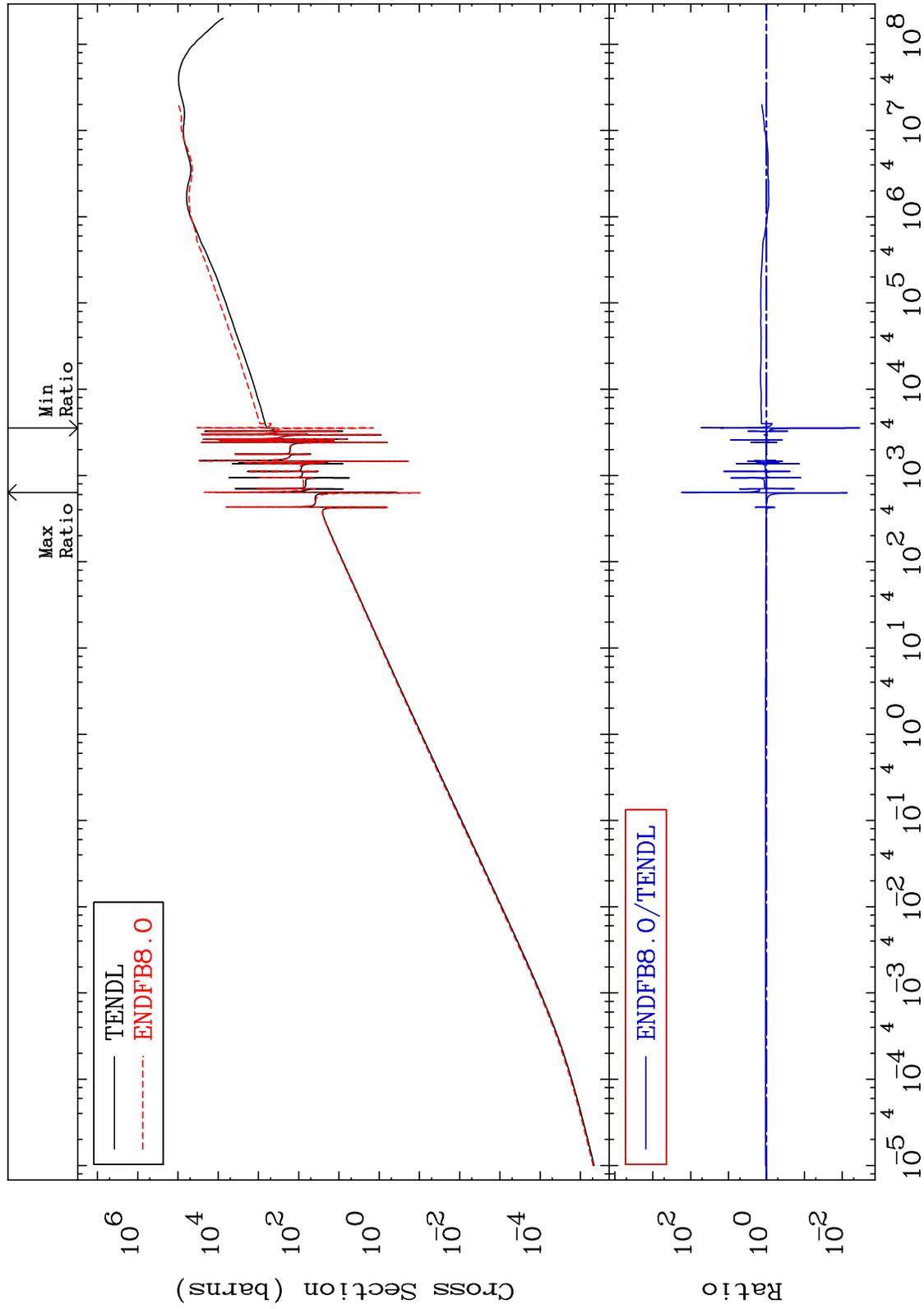
MAT 5443      Kerma total (eV-barns)  
 Cross Section      54-Xe-130      280.1 To 9999. %



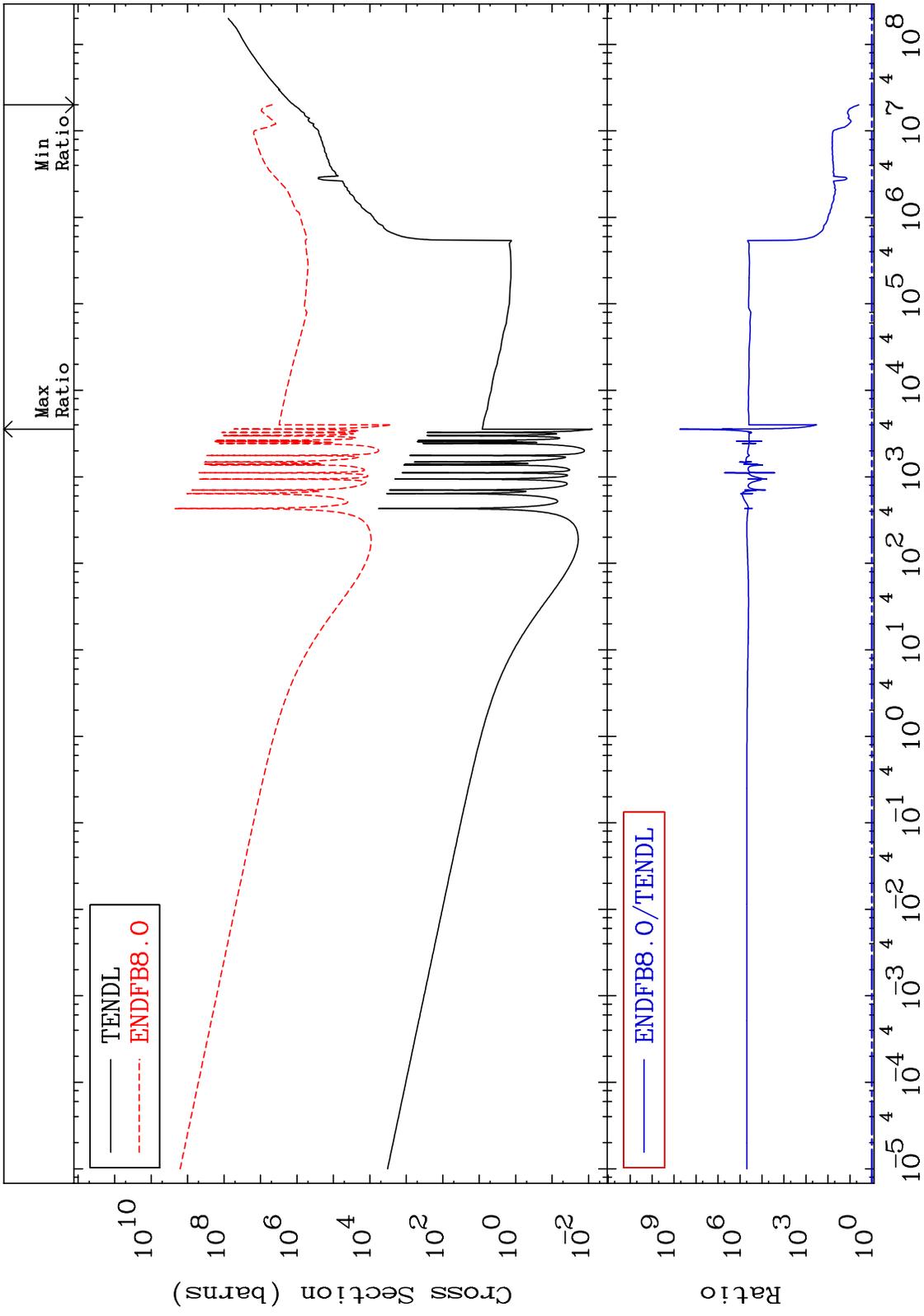
MAT 5443

Kerma elastic  
Cross Section

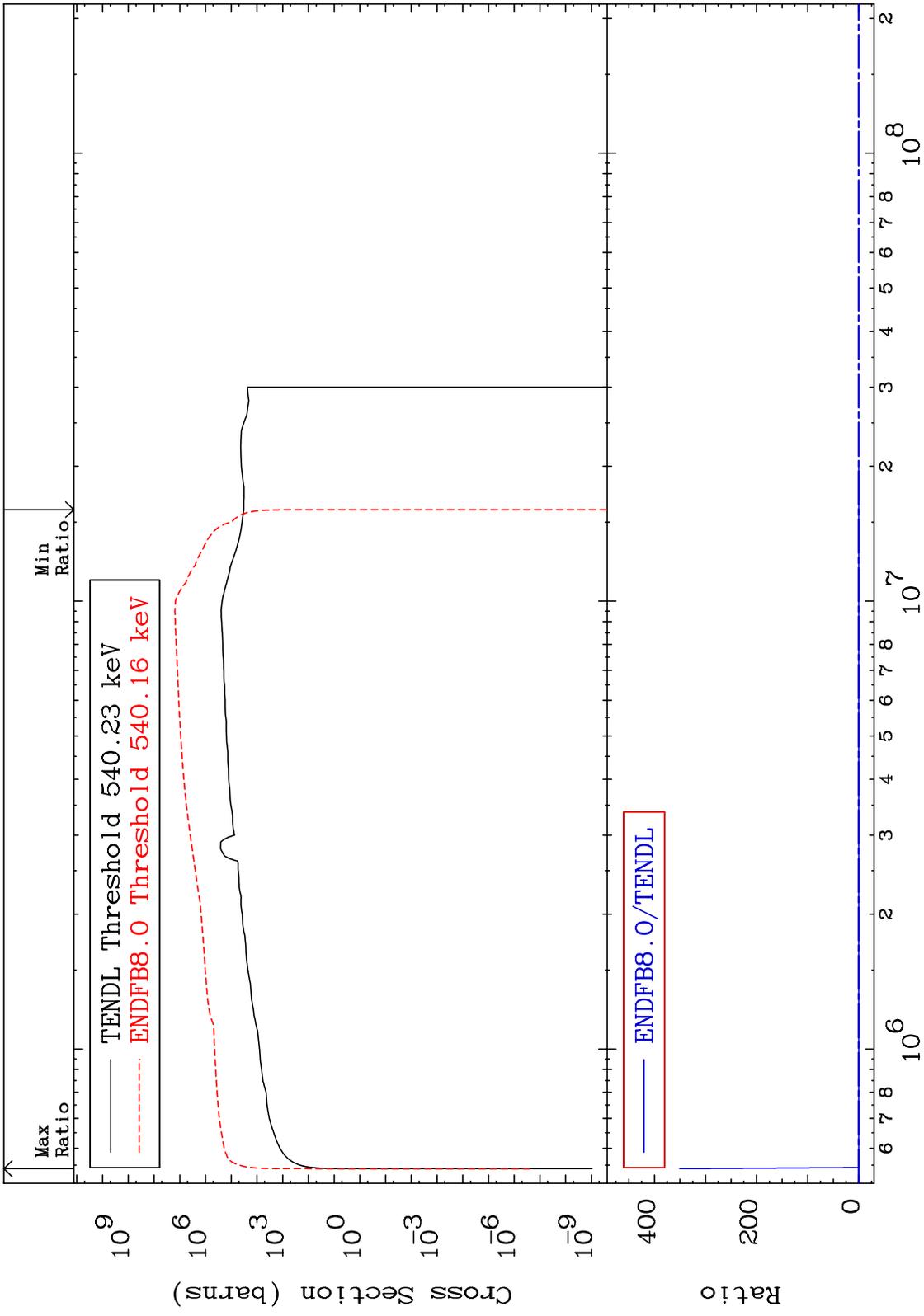
54-Xe-130  
-99.66 To 9999. %



MAT 5443      Kerma non-elastic (all but mt2)      54-Xe-130  
 Cross Section      295.0 To 9999. %



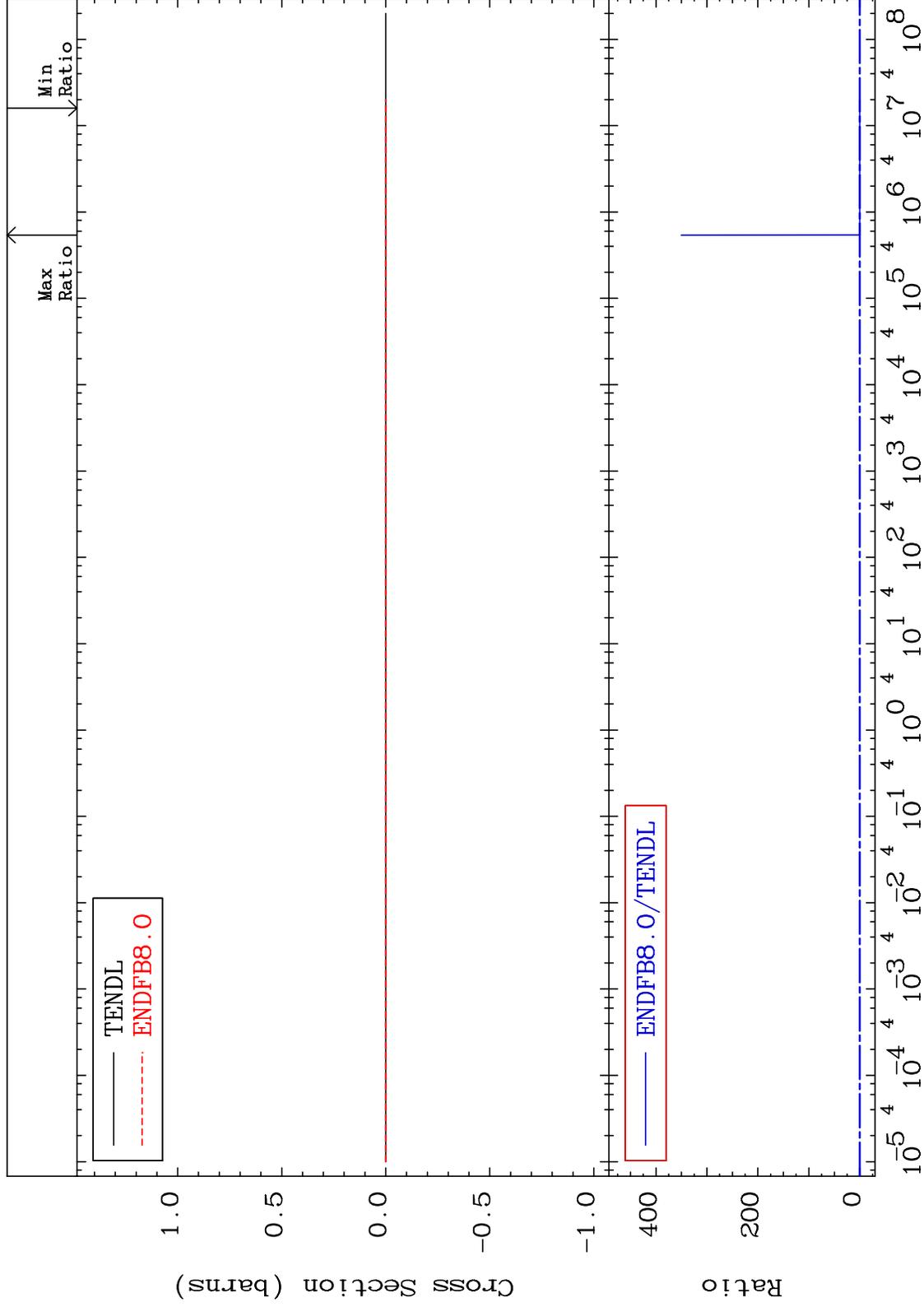
MAT 5443      Kerma inelastic (mt51-91)      54-Xe-130  
 -100.0 To 9999. %  
 Cross Section



MAT 5443

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

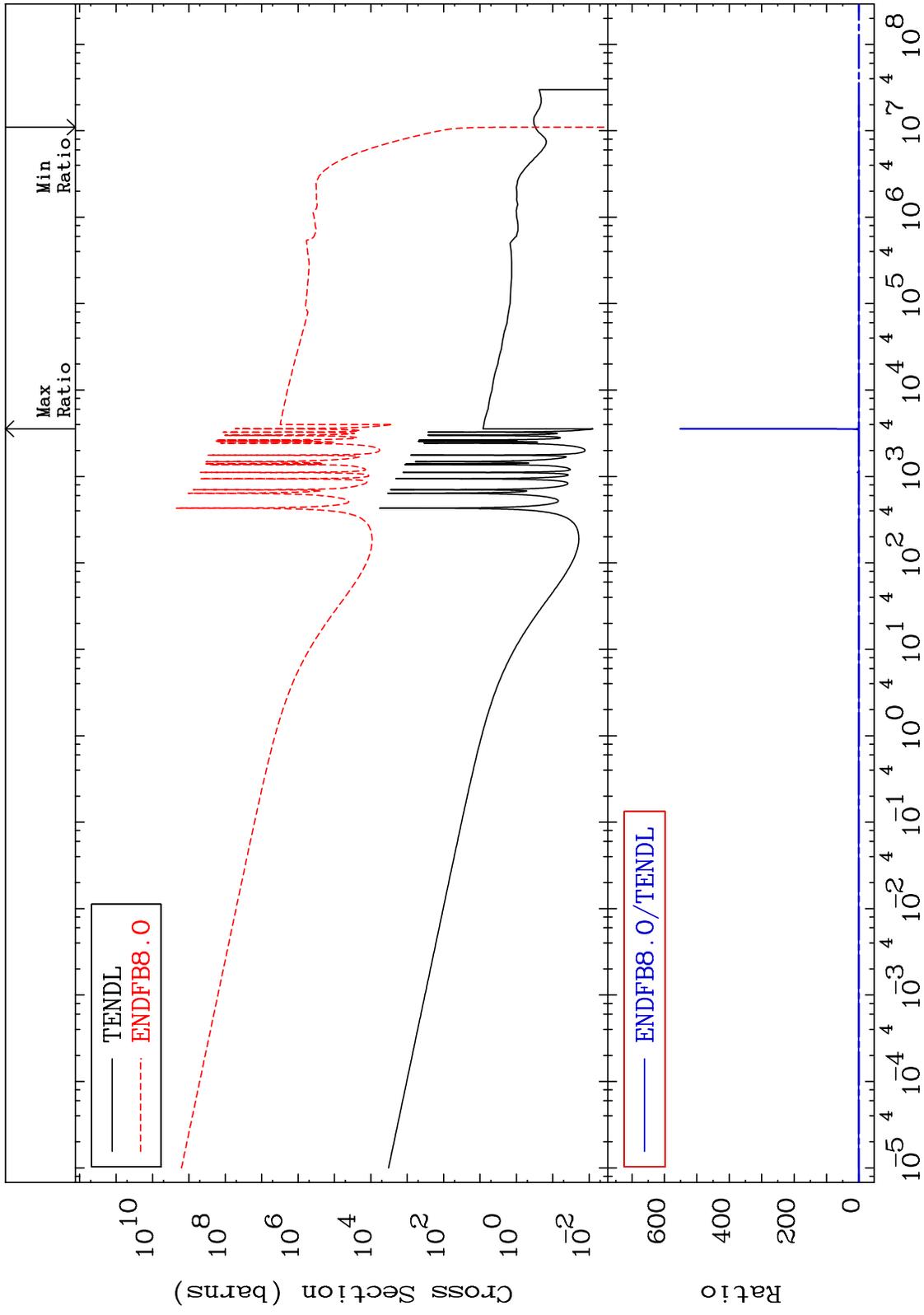
54-Xe-130  
-100.0 To 9999. %



MAT 5443

Kerma capture (mt102)  
Cross Section

54-Xe-130  
-100.0 To 9999. %

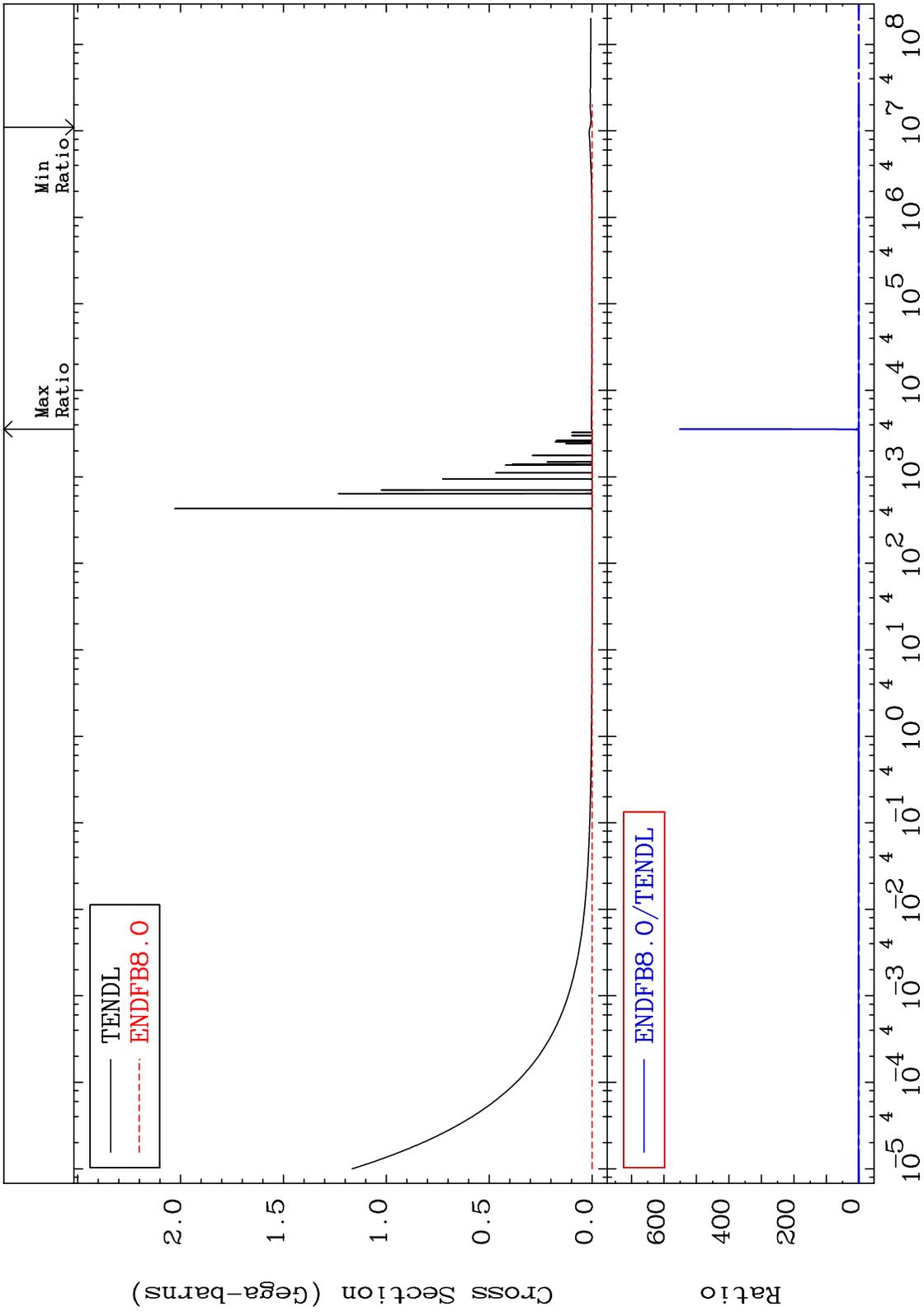


27

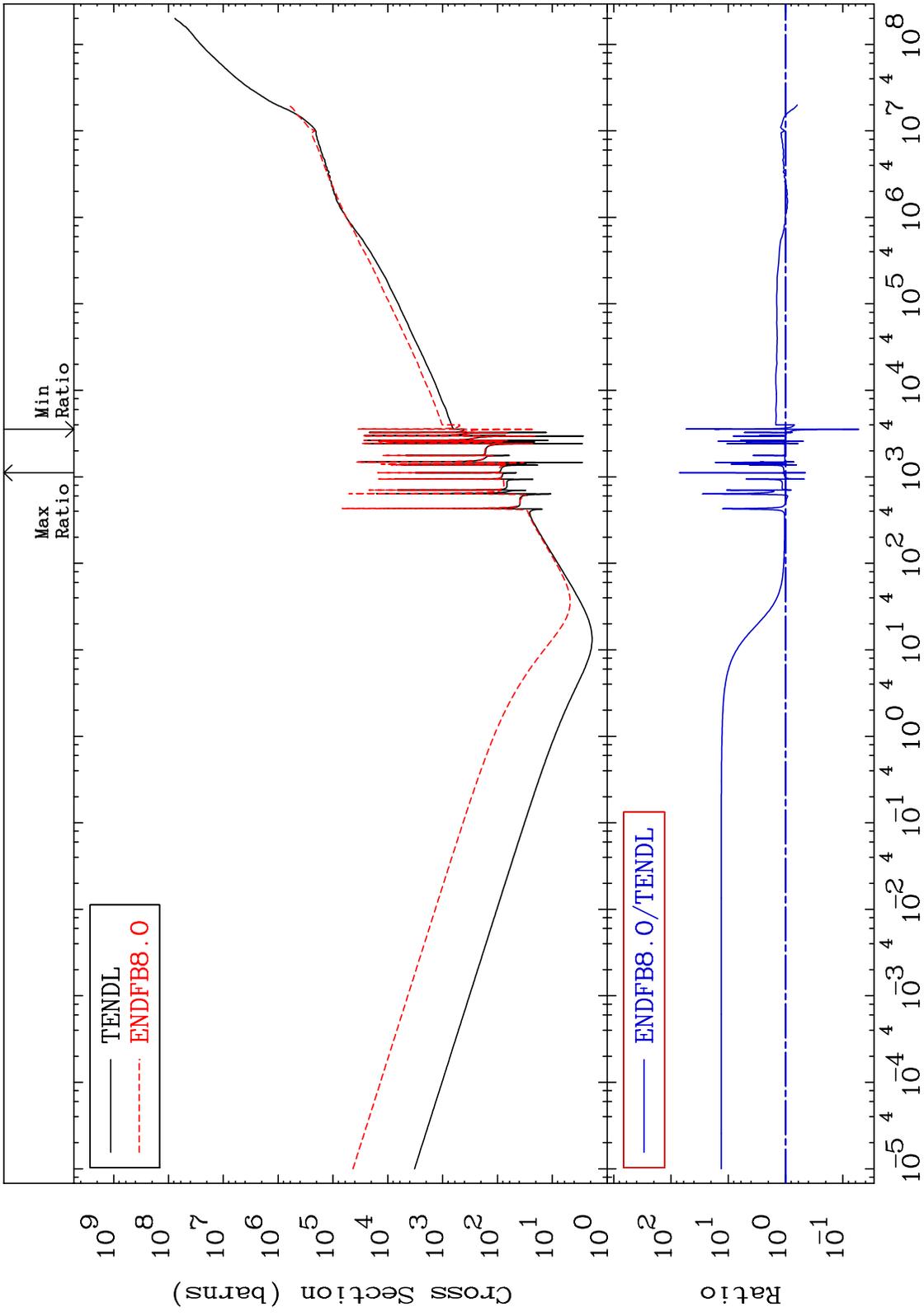
Incident Energy (eV)

54-Xe-130

MAT 5443 54-Xe-130  
 Total photon (eV-barns) -100.0 To 9999. %  
 Cross Section



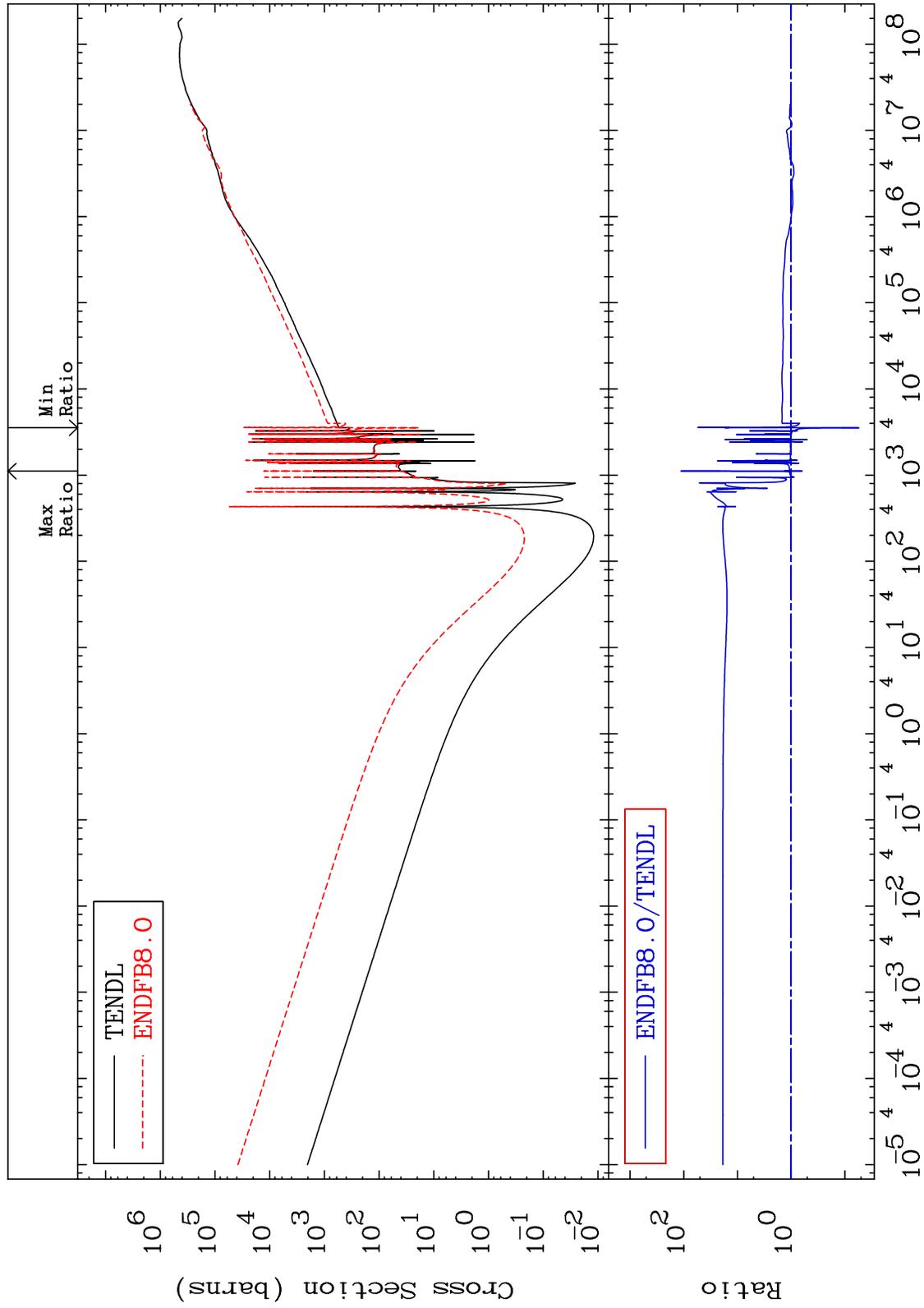
MAT 5443      Total kinematic kerma (high limit)      54-Xe-130  
 Cross Section      -94.74 To 6941. %



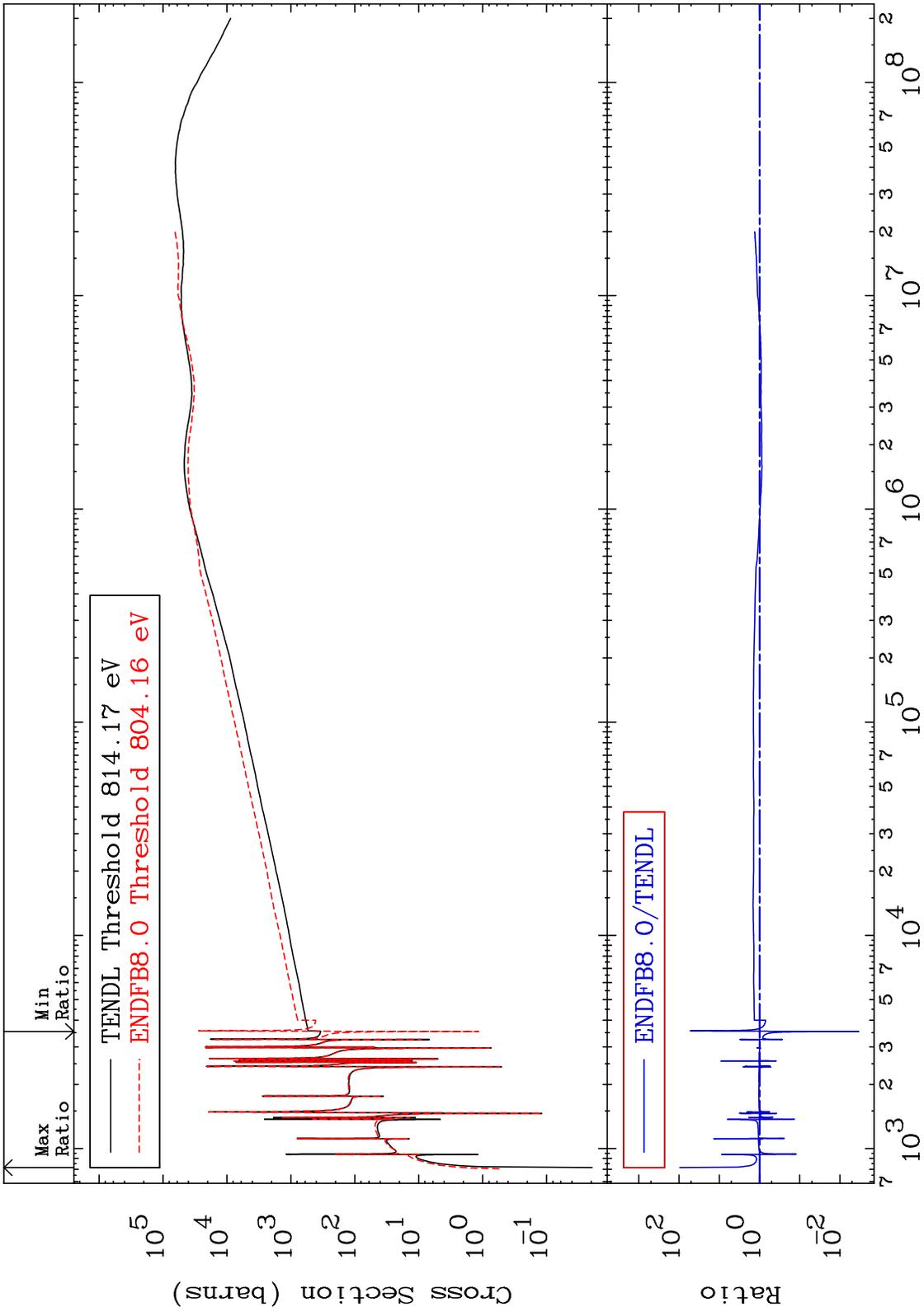
MAT 5443

Dpa total (eV-barns)  
Cross Section

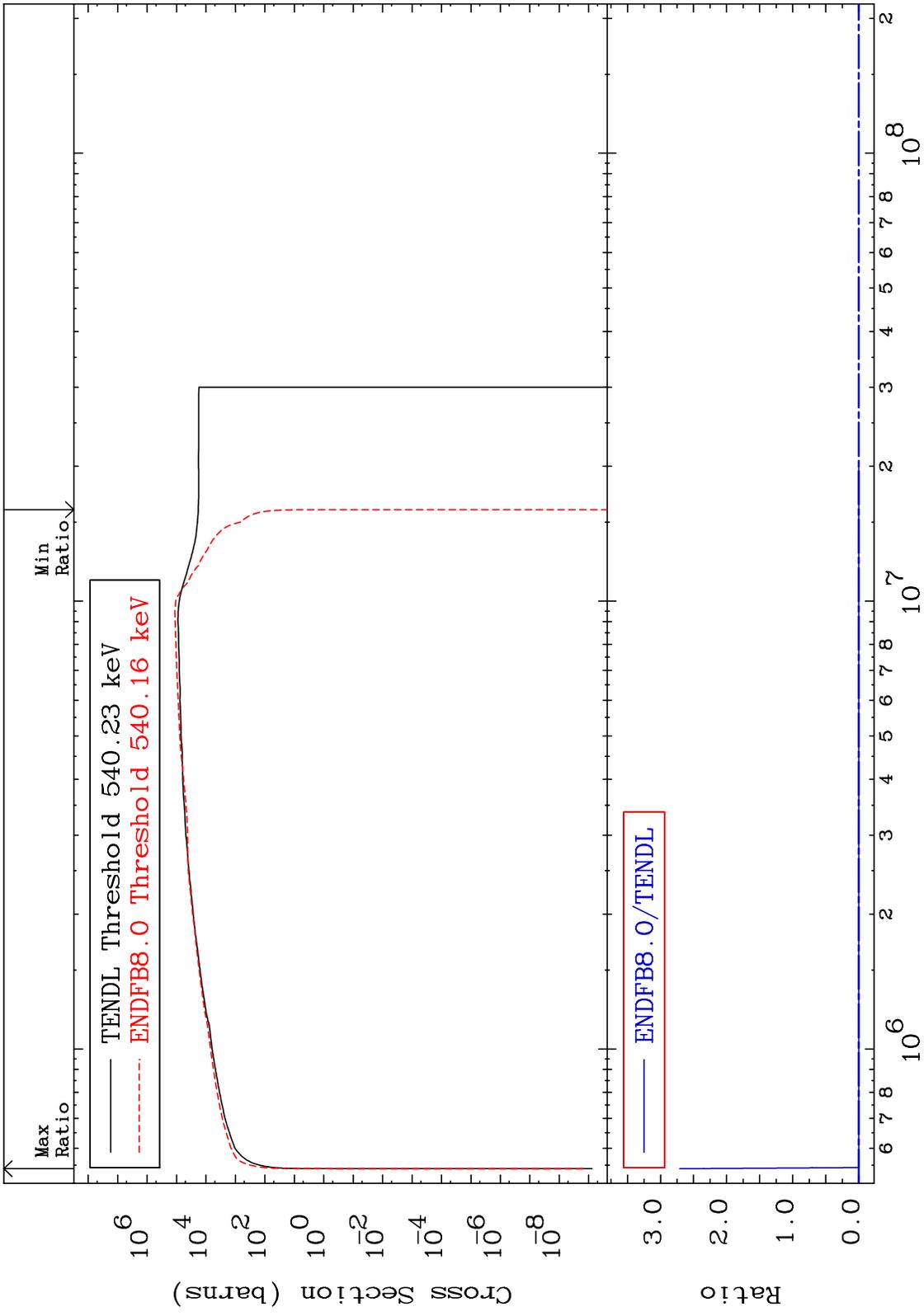
54-Xe-130  
-94.58 To 9999. %



MAT 5443      Dpa elastic (mt2)      54-Xe-130  
 Cross Section      -99.66 To 9496. %



MAT 5443      Dpa inelastic (mt51-91)      54-Xe-130  
 Cross Section      -100.0 To 9999. %



MAT 5443      Dpa disappearance (mt102 -120)      54-Xe-130  
 Cross Section      -98.56 To 9999. %

