

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

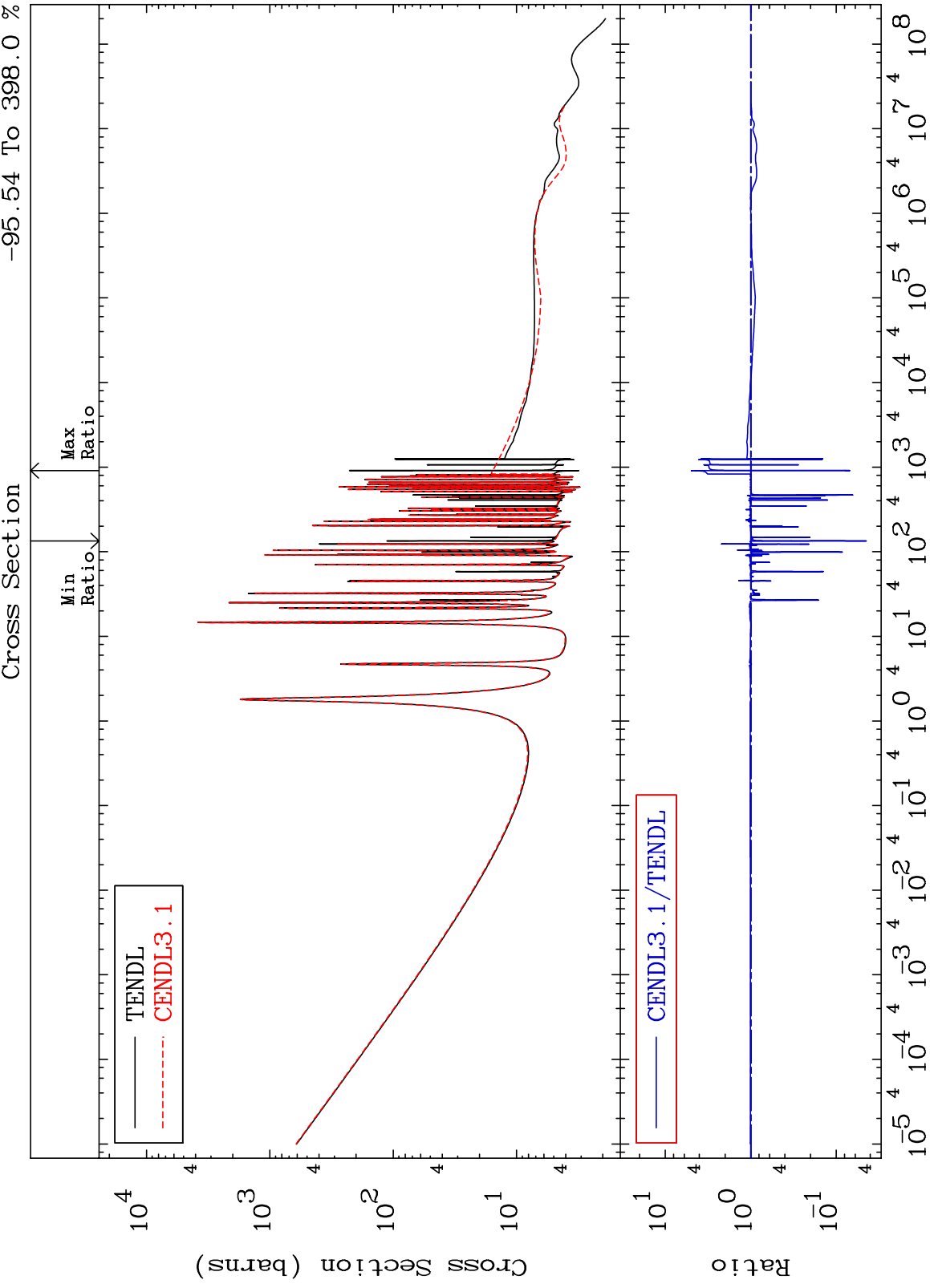
U.S.A.

Tele: 925-443-1911

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

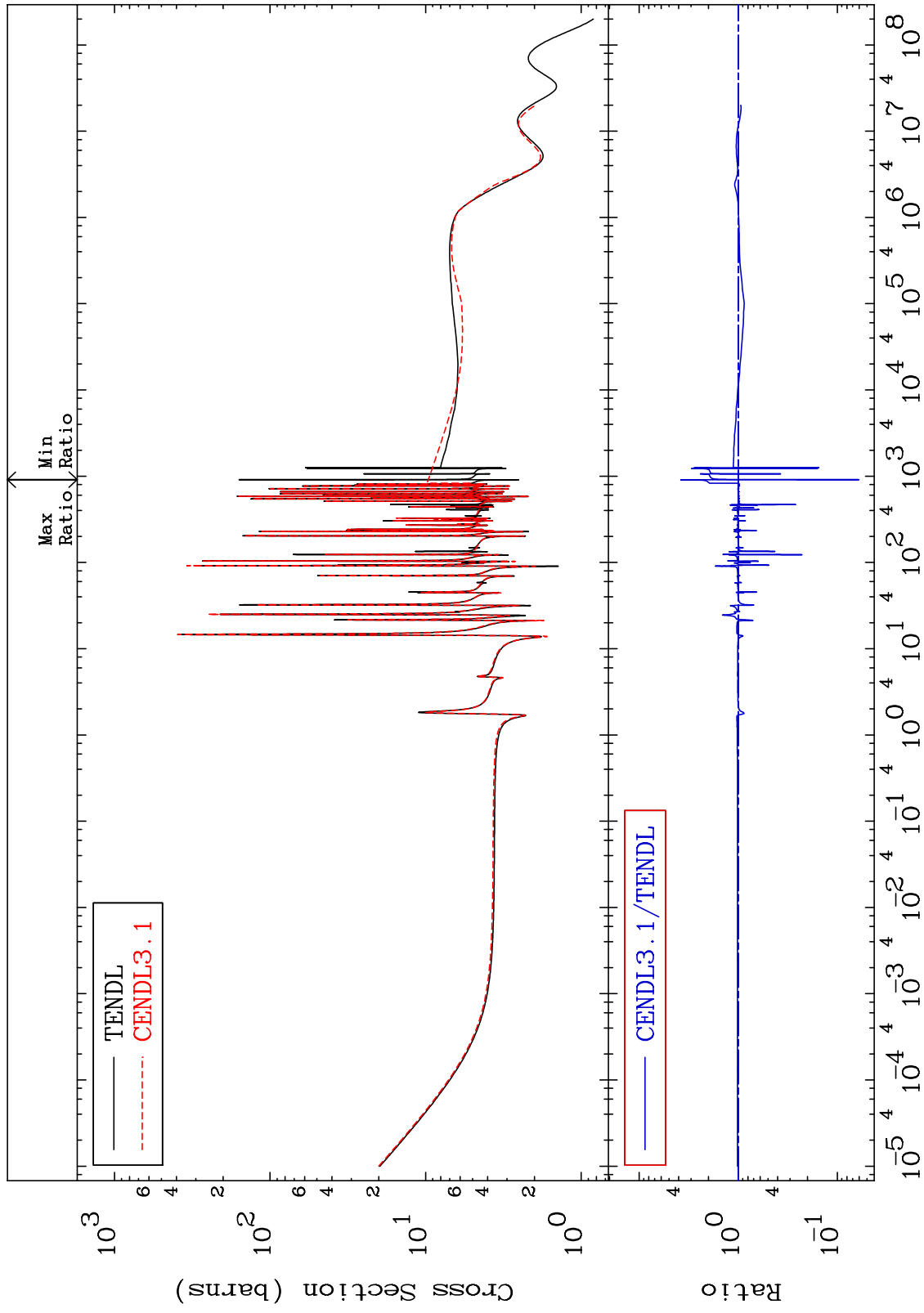
Press Mouse Button to Start

MAT 4925 49-In-113 -95.54 To 398.0 %



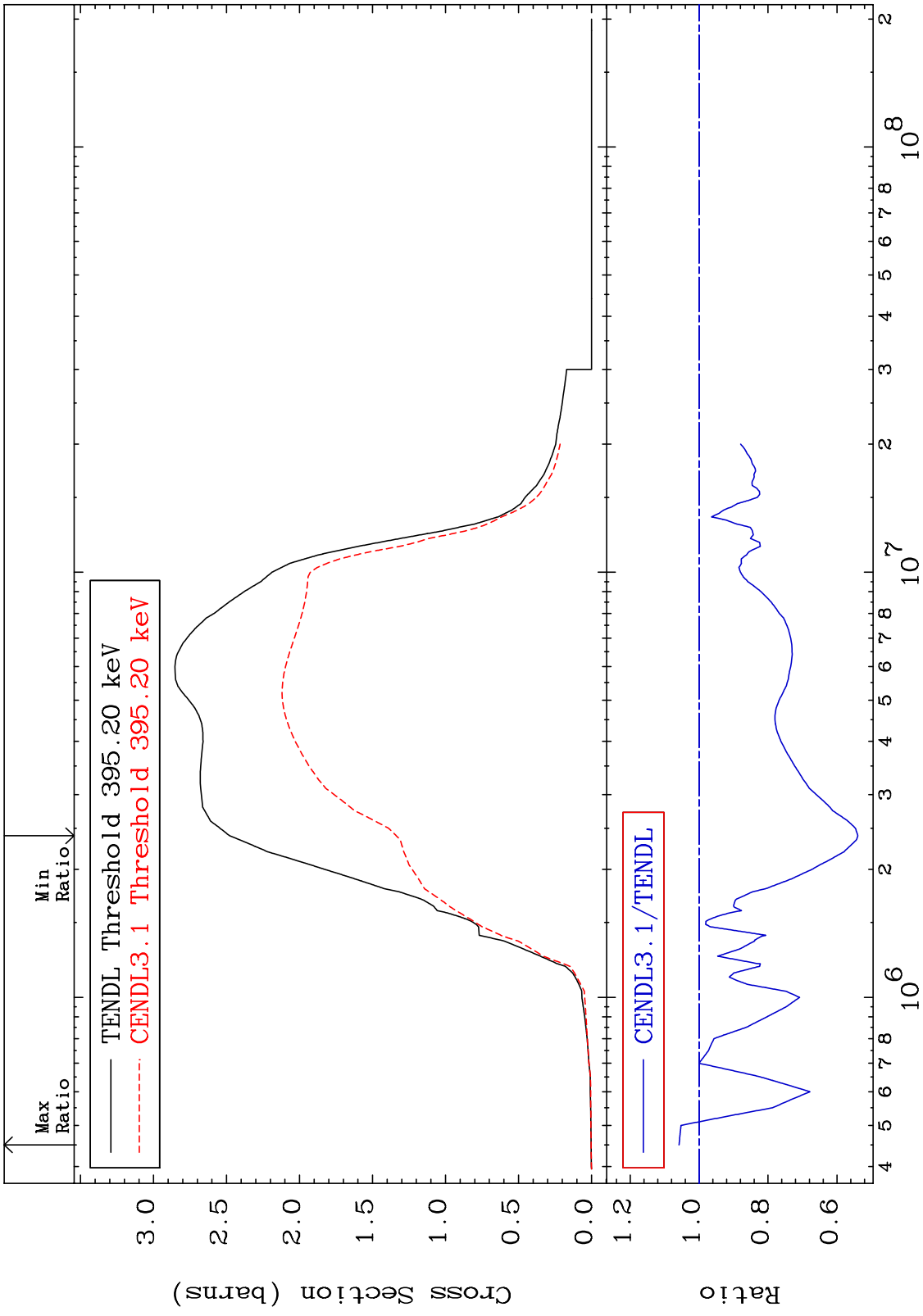
1 Incident Energy (eV) 49-In-113

MAT 4925 Elastic Cross Section 49-In-113 -93.96 To 281.7 %



2 Incident Energy (eV) 49-In-113

MAT 4925 Inelastic Cross Section 49-In-113 -46.06 To 5.814 %



3 49-In-113

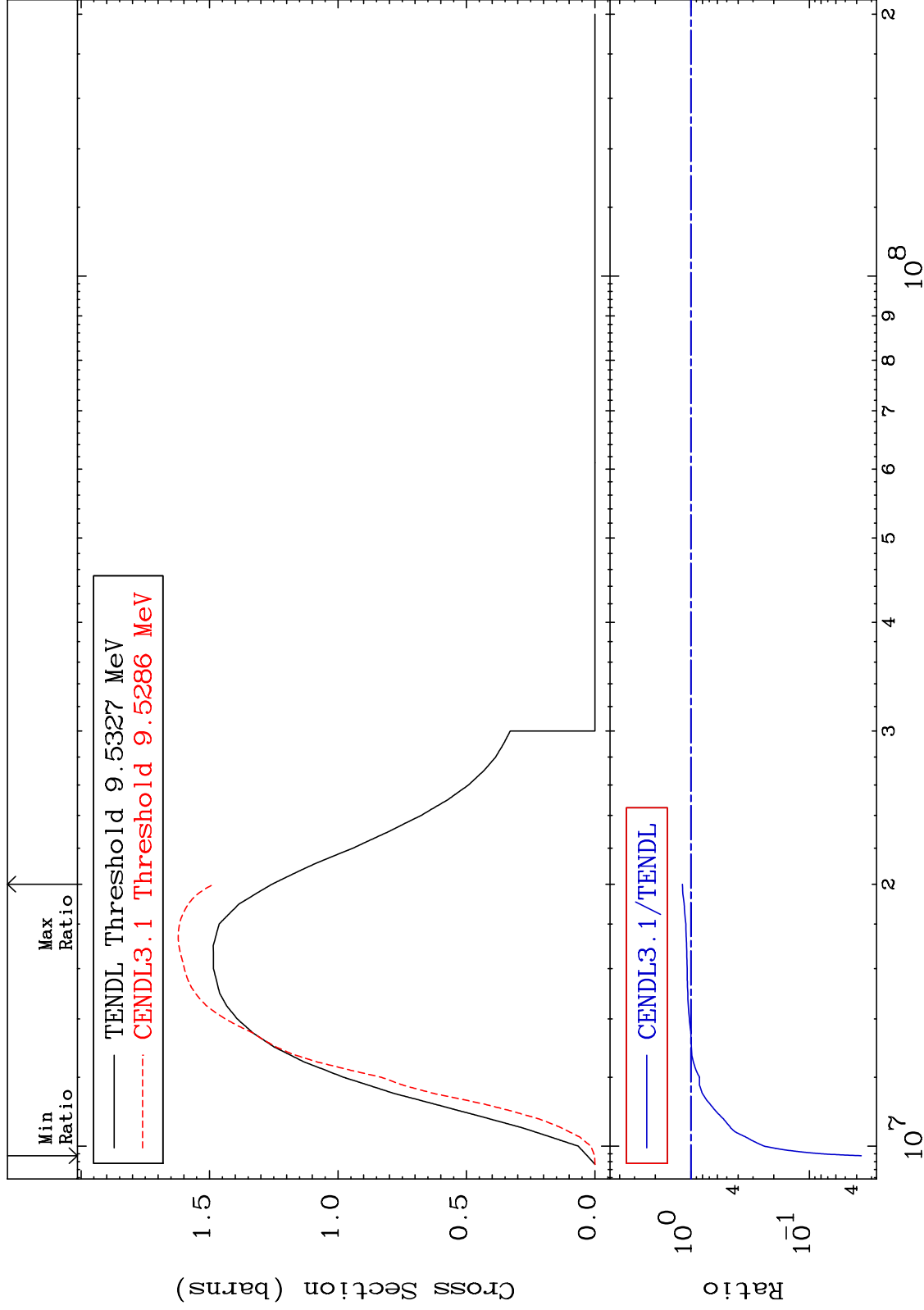
MAT 4925

(n,2n)

49-In-113

-96.34 To 18.08 %

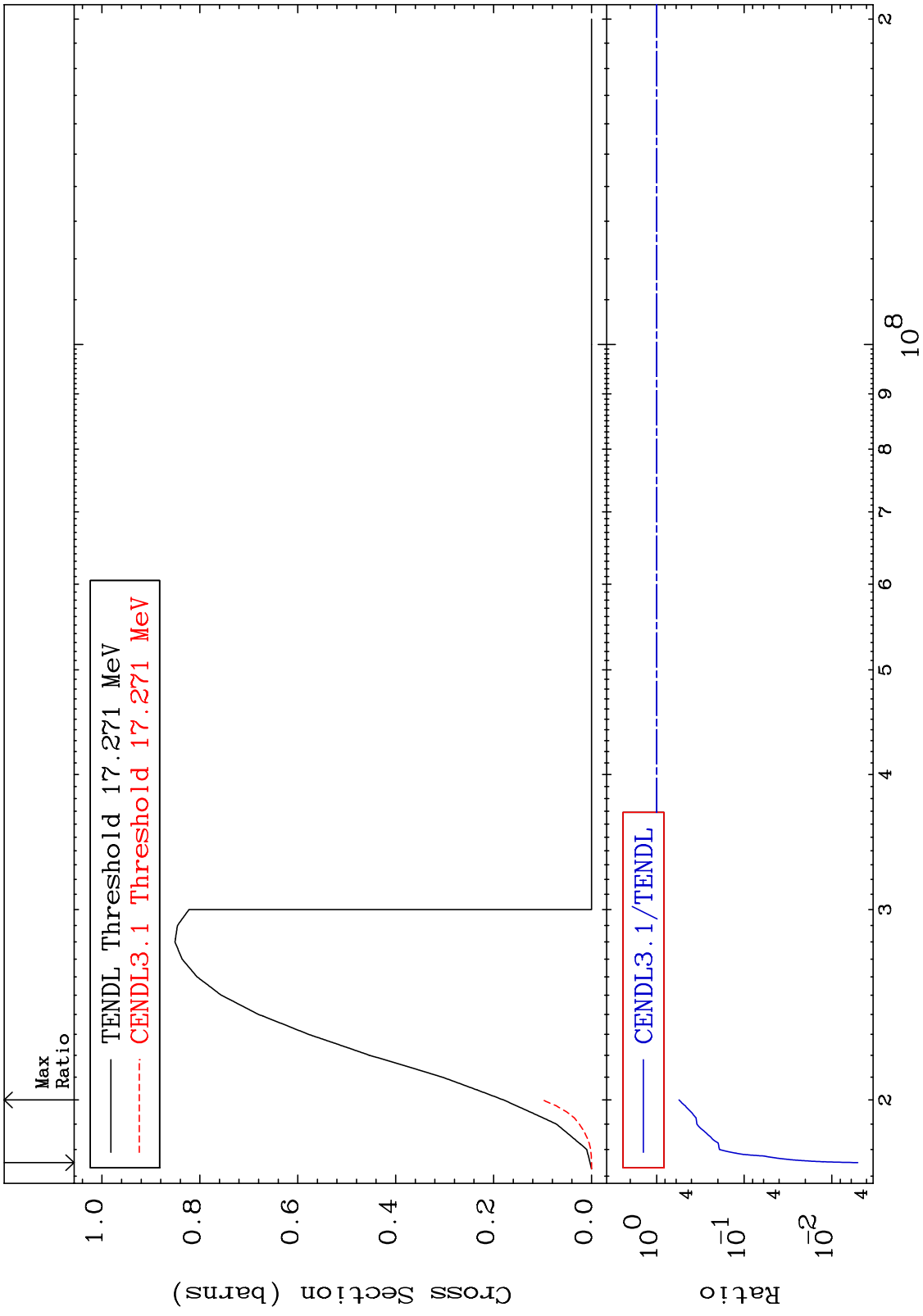
Cross Section



4

Incident Energy (eV)

49-In-113



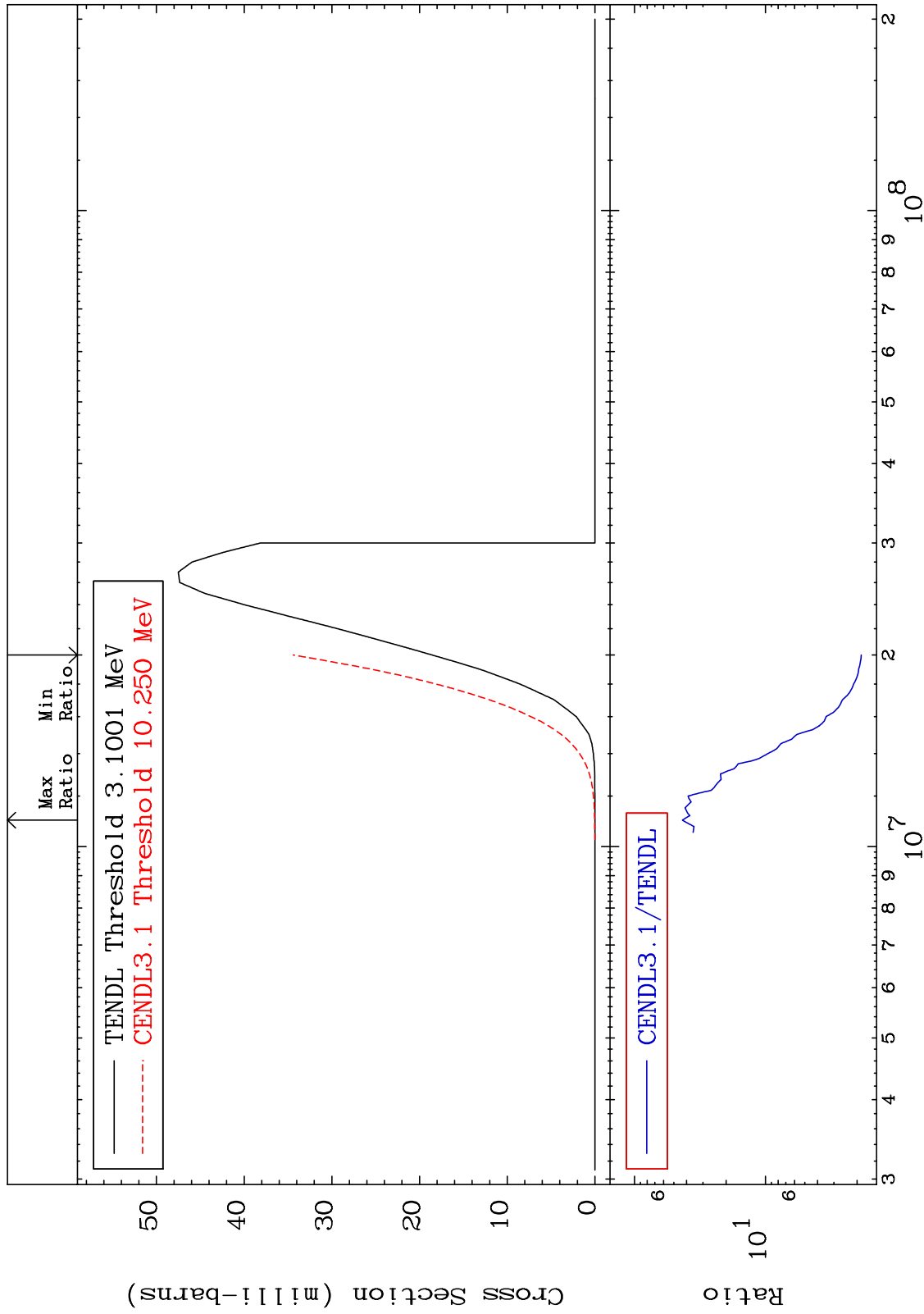
MAT 4925

(n, n')  $\alpha$

49-In-113

85.47 To 4201. %

Cross Section



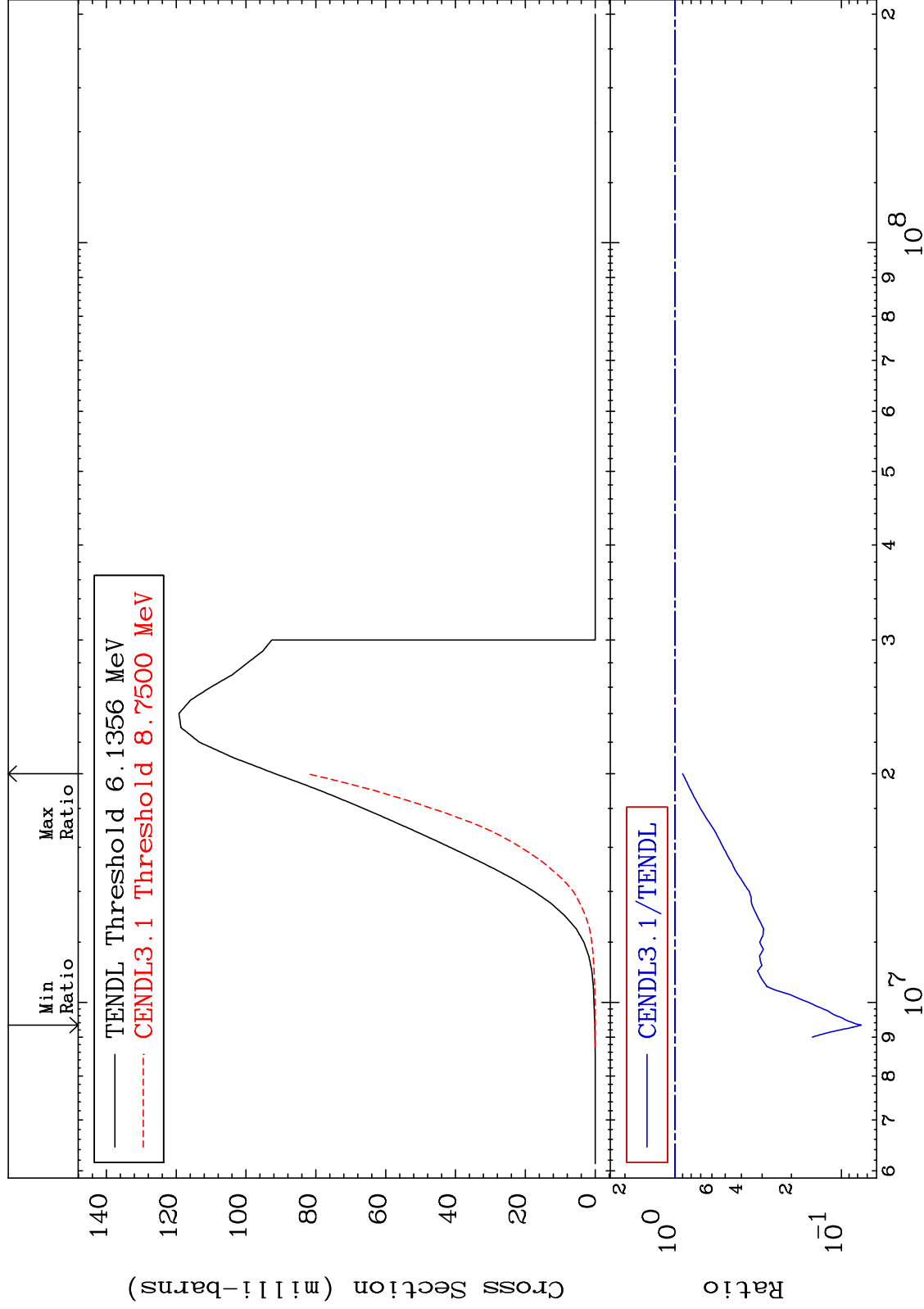
MAT 4925

(n,n') p

49-In-113

Cross Section

-92.40 To -10.01%



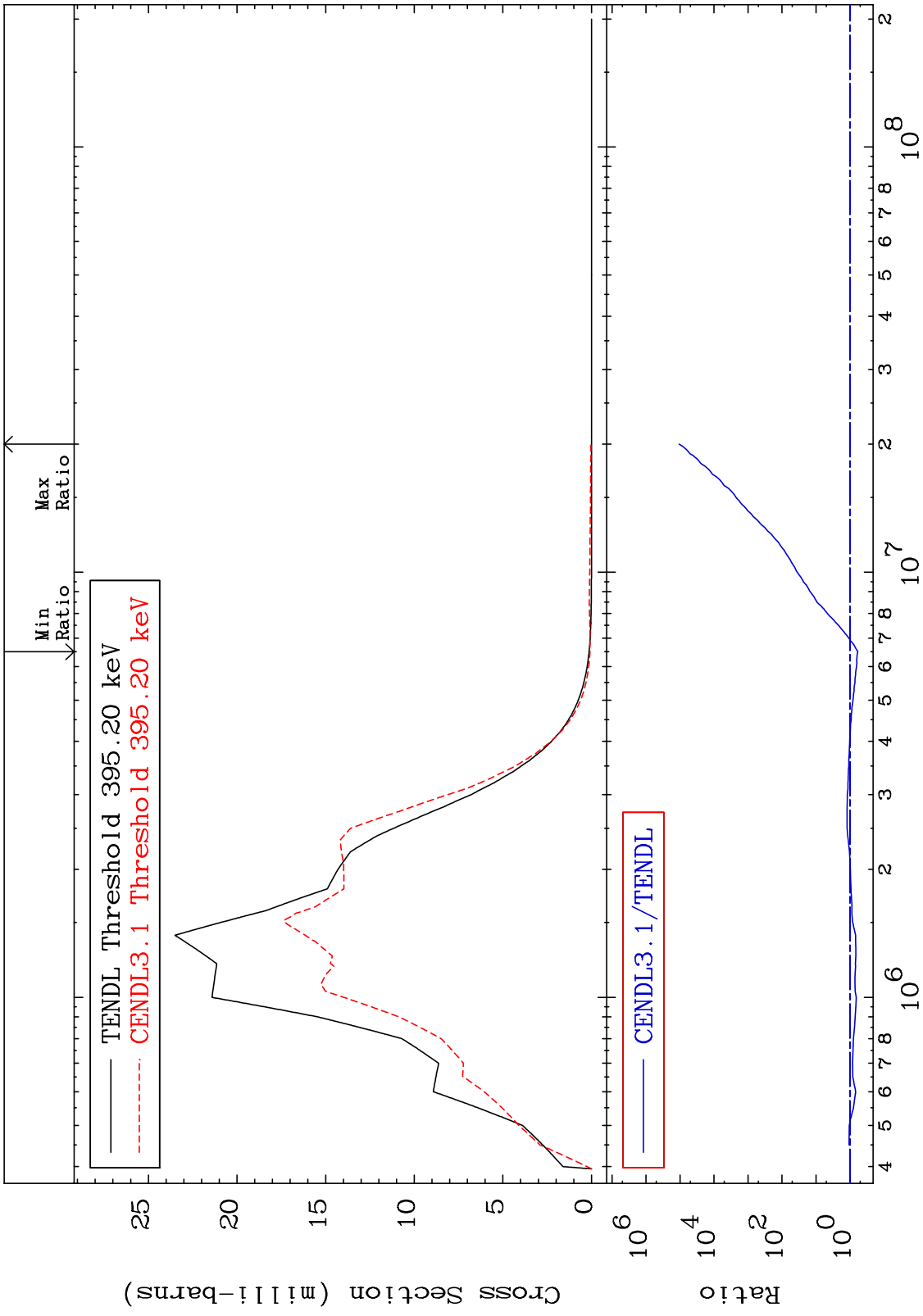
7

Incident Energy (eV)

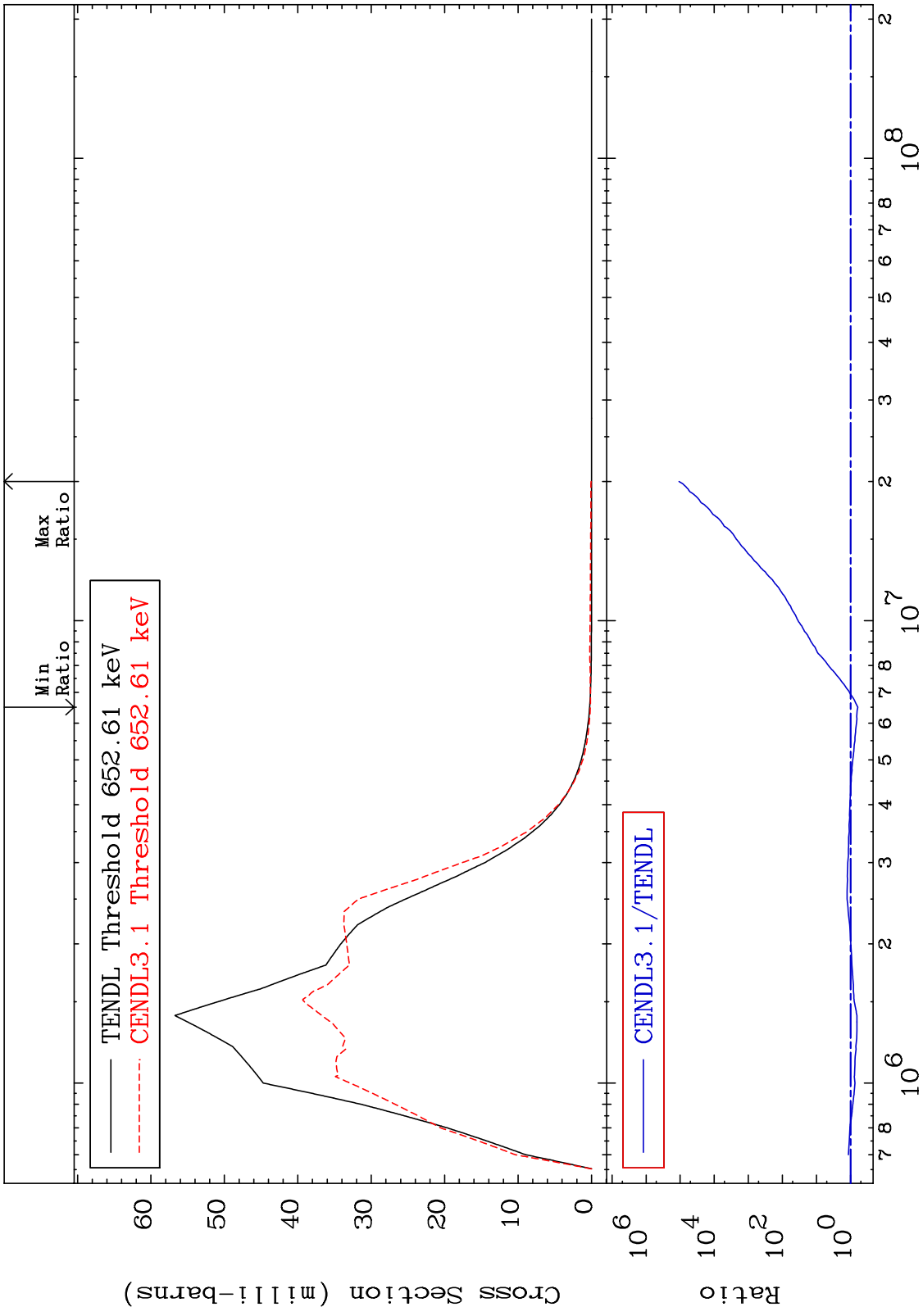
49-In-113



MAT 4925 MT= 51 (n,n') Level Cross Section 49-In-113  
 -41.35 To 9999. %

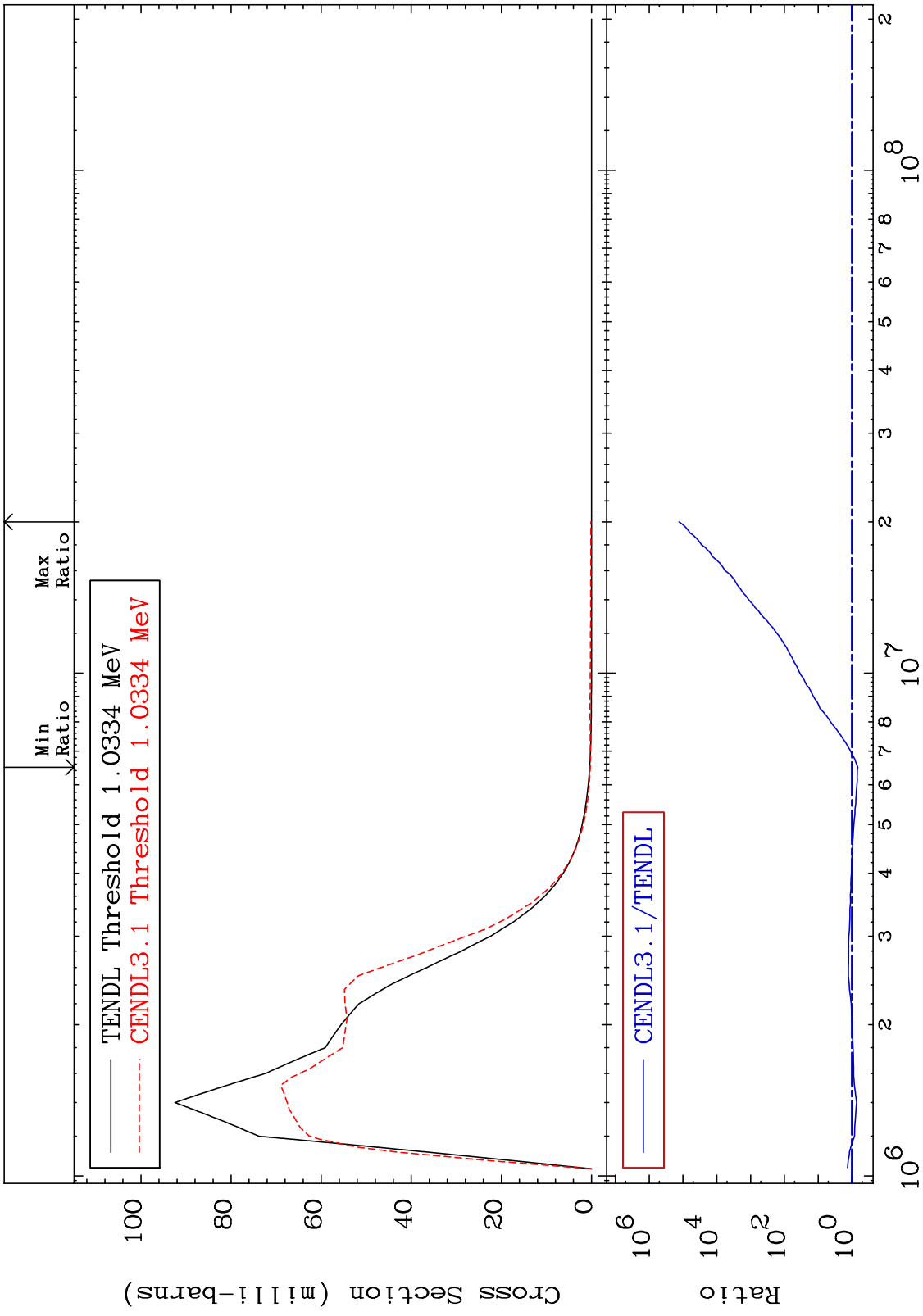


MAT 4925      MT= 52 (n,n') Level      49-In-113  
 Cross Section      -39.15 To 9999. %



9      Incident Energy (eV)      49-In-113

MAT 4925 MT= 53 (n,n') Level Cross Section 49-In-113  
 -32.84 To 9999. %

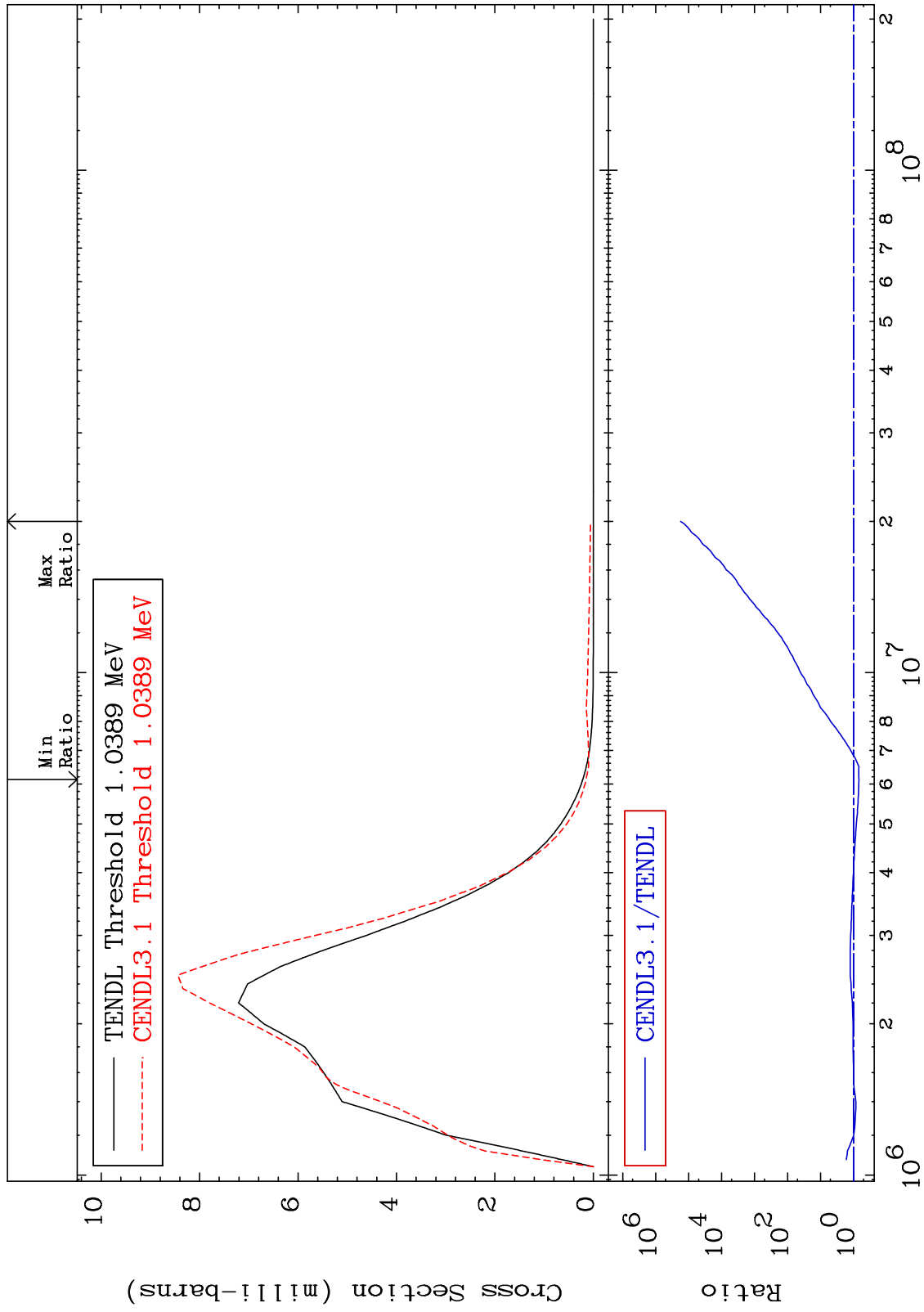


Incident Energy (eV) 49-In-113

MAT 4925

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

49-In-113  
-31.72 To 9999. %

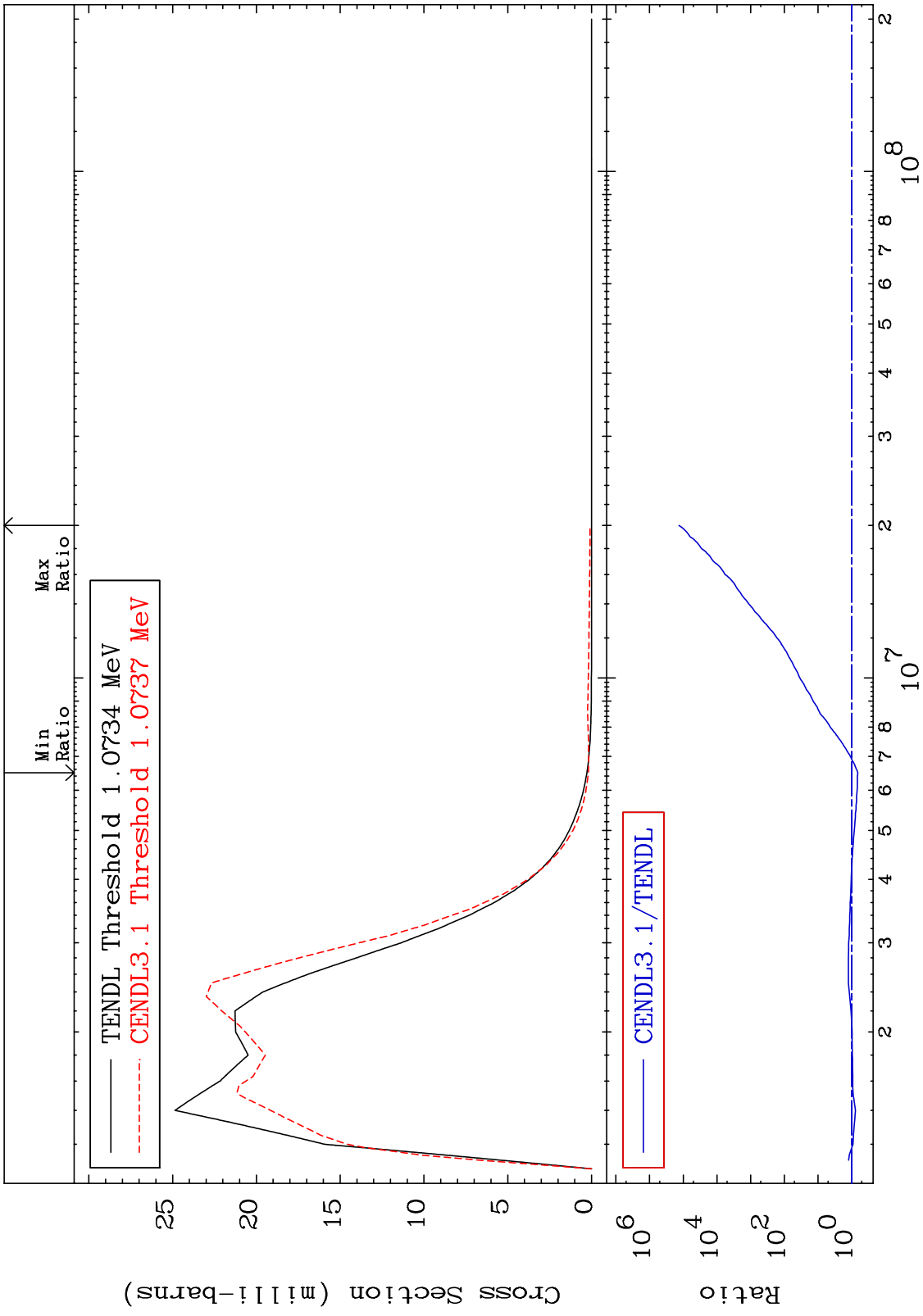


11

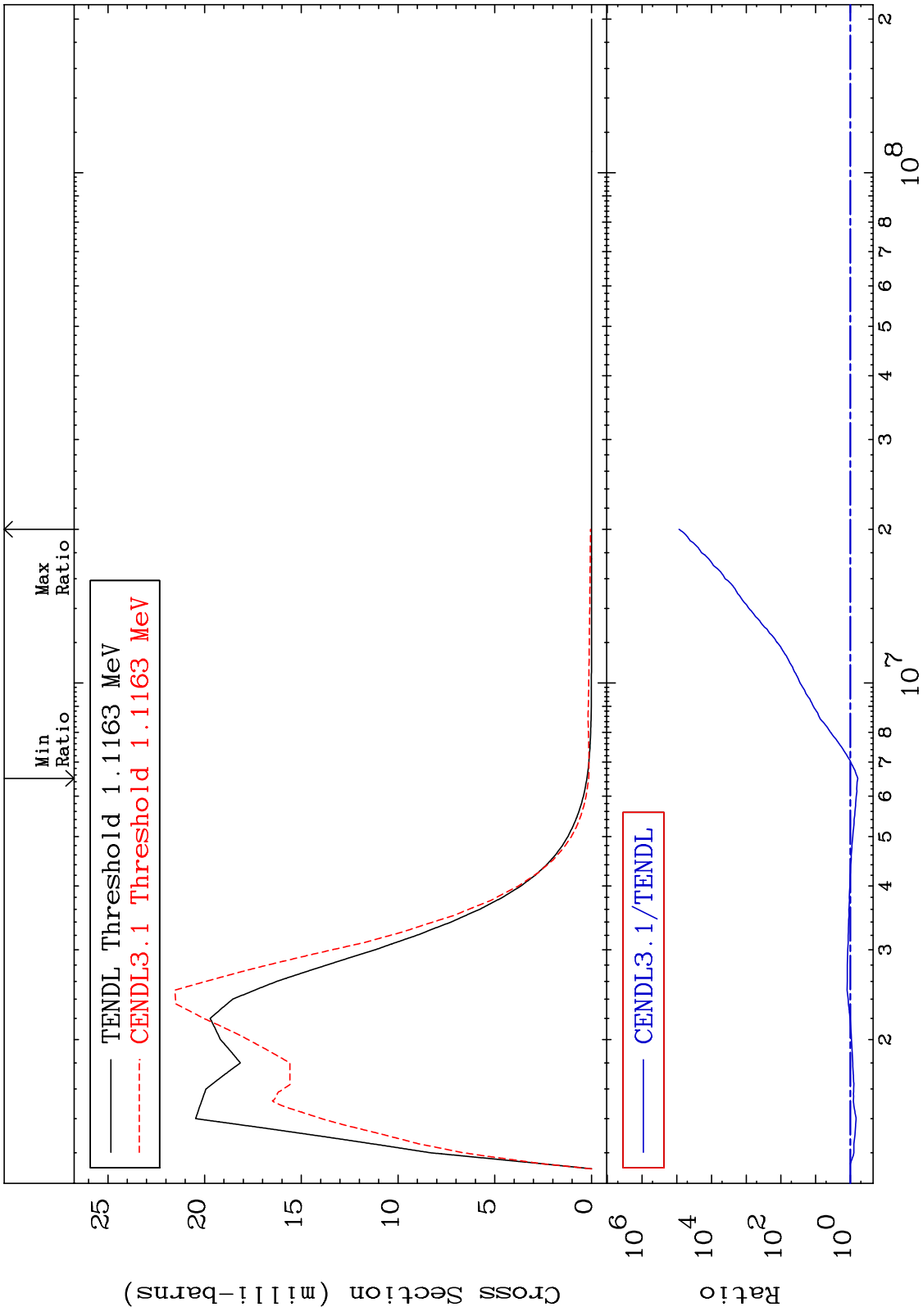
Incident Energy (eV)

49-In-113

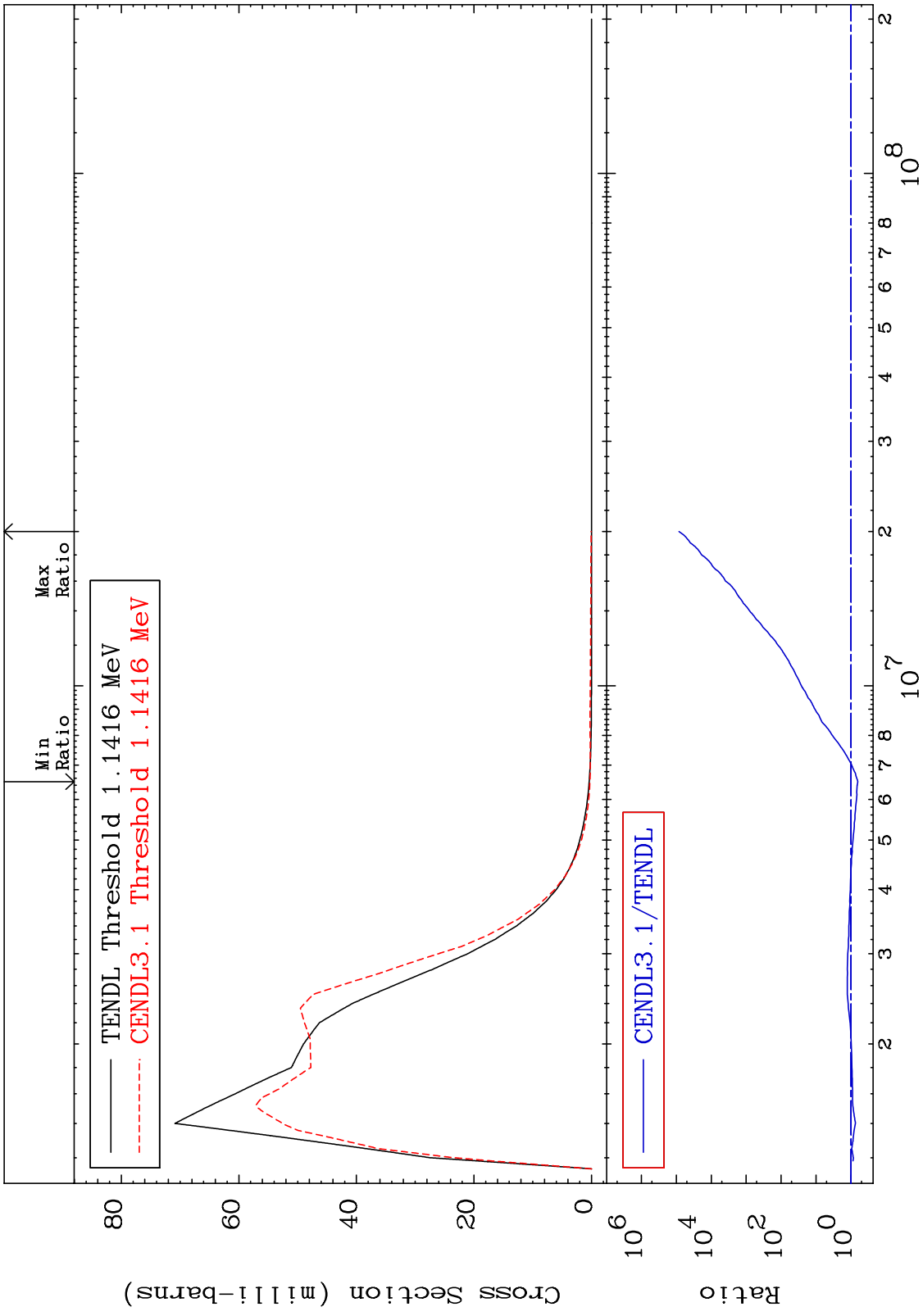
MAT 4925 MT= 55 (n,n') Level Cross Section 49-In-113  
 -34.63 To 9999. %



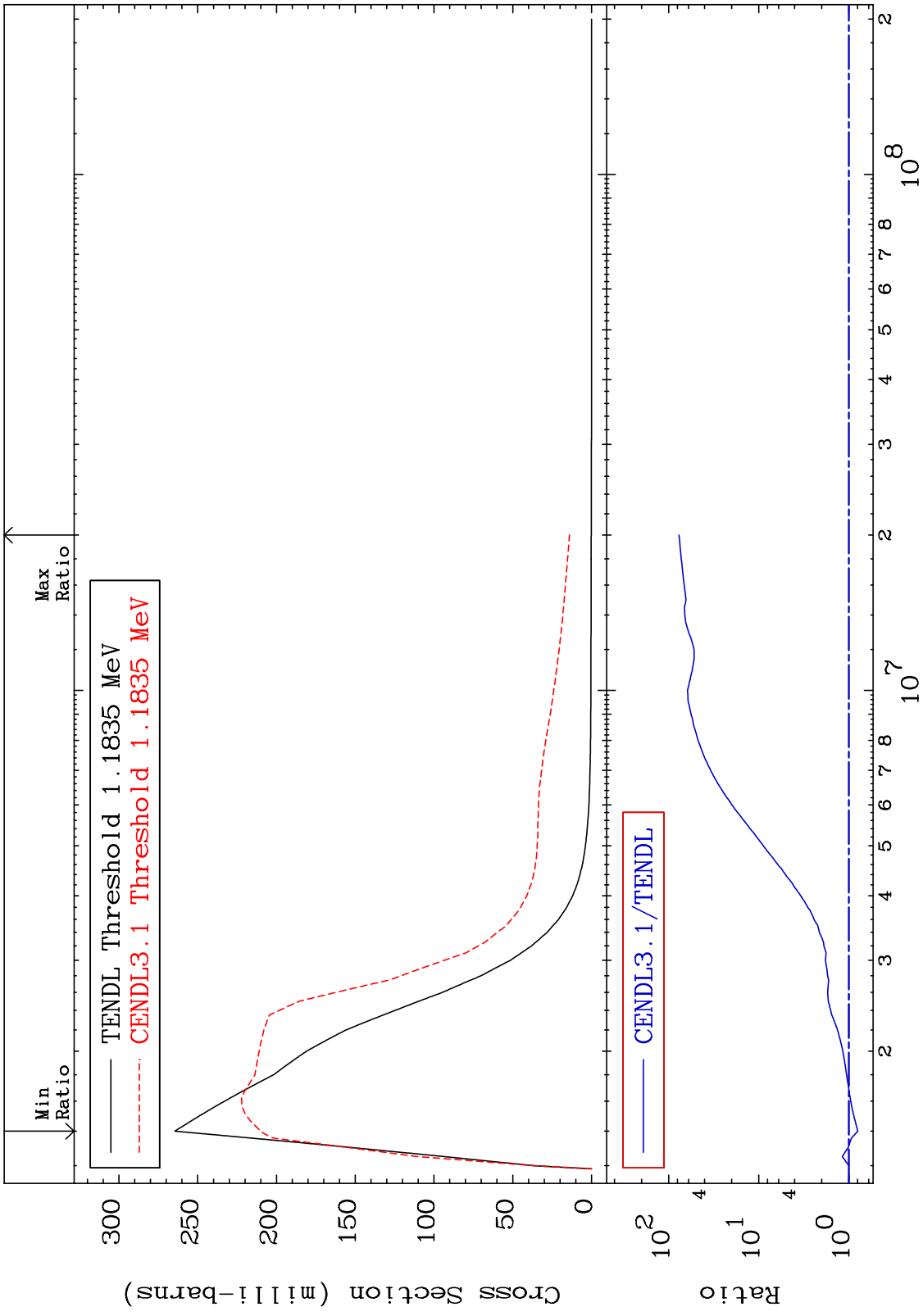
MAT 4925 MT= 56 (n,n') Level Cross Section 49-In-113 -39.07 To 9999. %



MAT 4925 MT= 57 (n,n') Level Cross Section 49-In-113  
 -36.66 To 9999. %

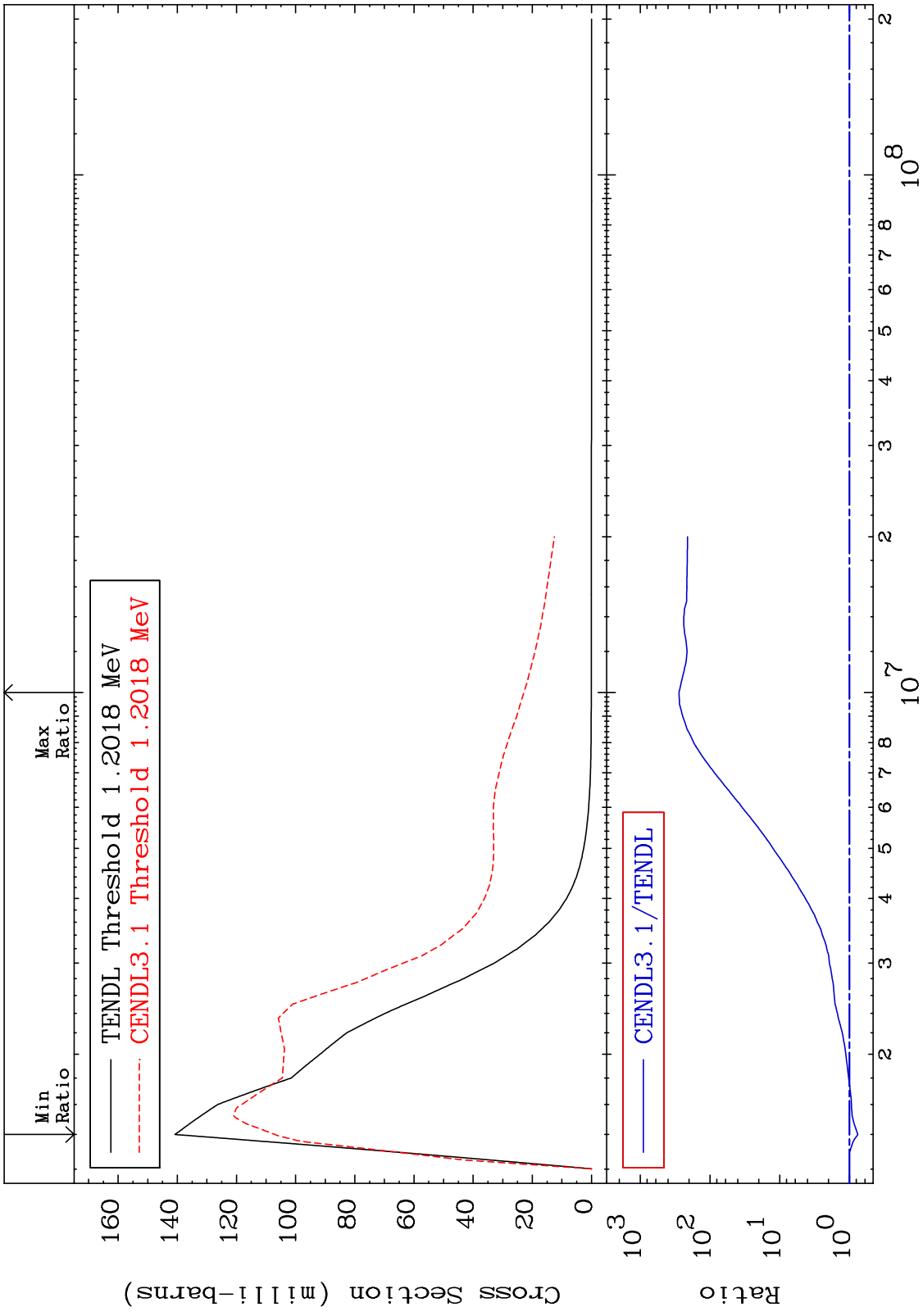


MAT 4925      MT= 58 (n,n') Level Cross Section      49-In-113  
 -20.58 To 7579. %

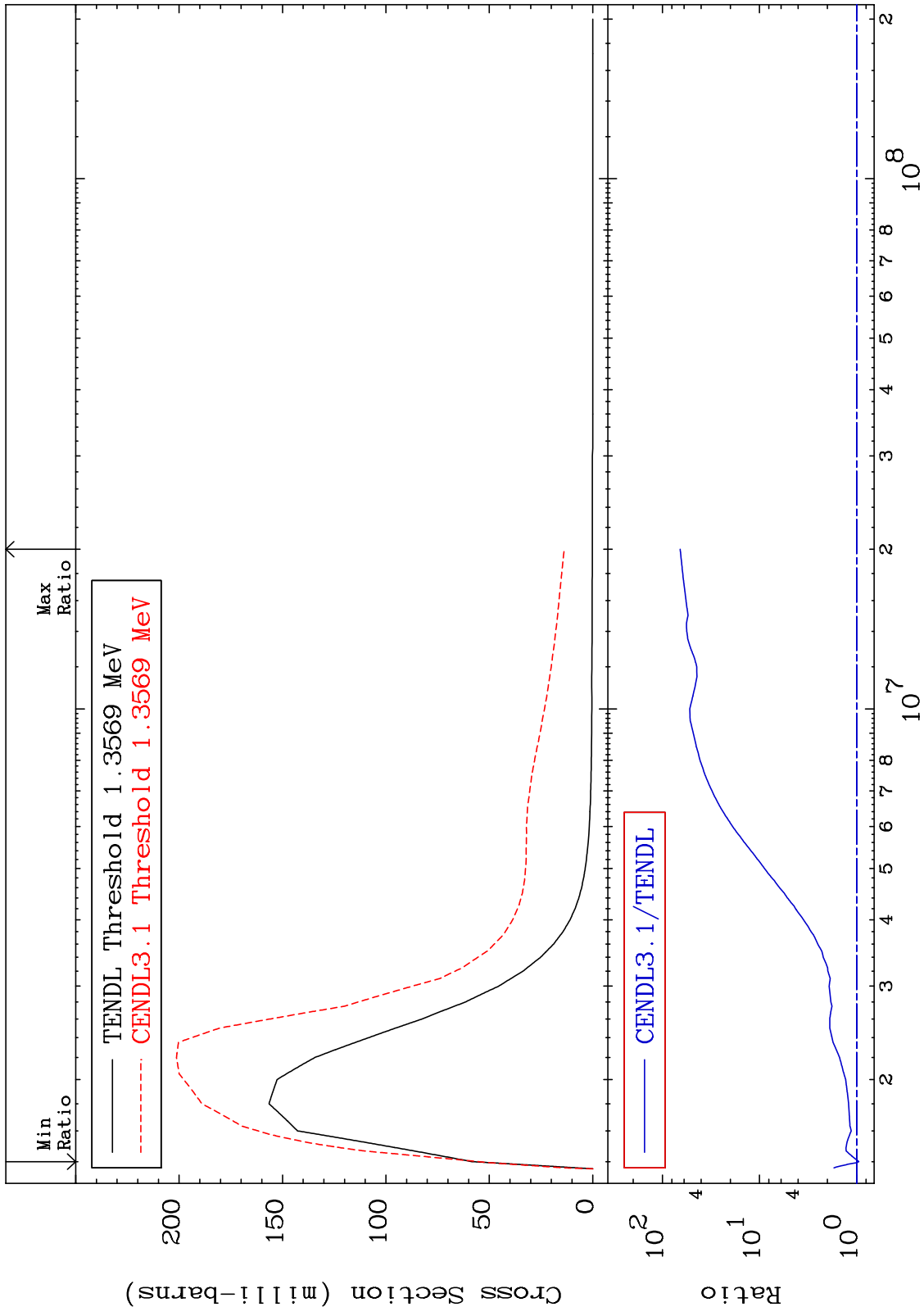




MAT 4925      MT= 59 (n,n') Level Cross Section      49-In-113  
 -24.01 To 9999. %



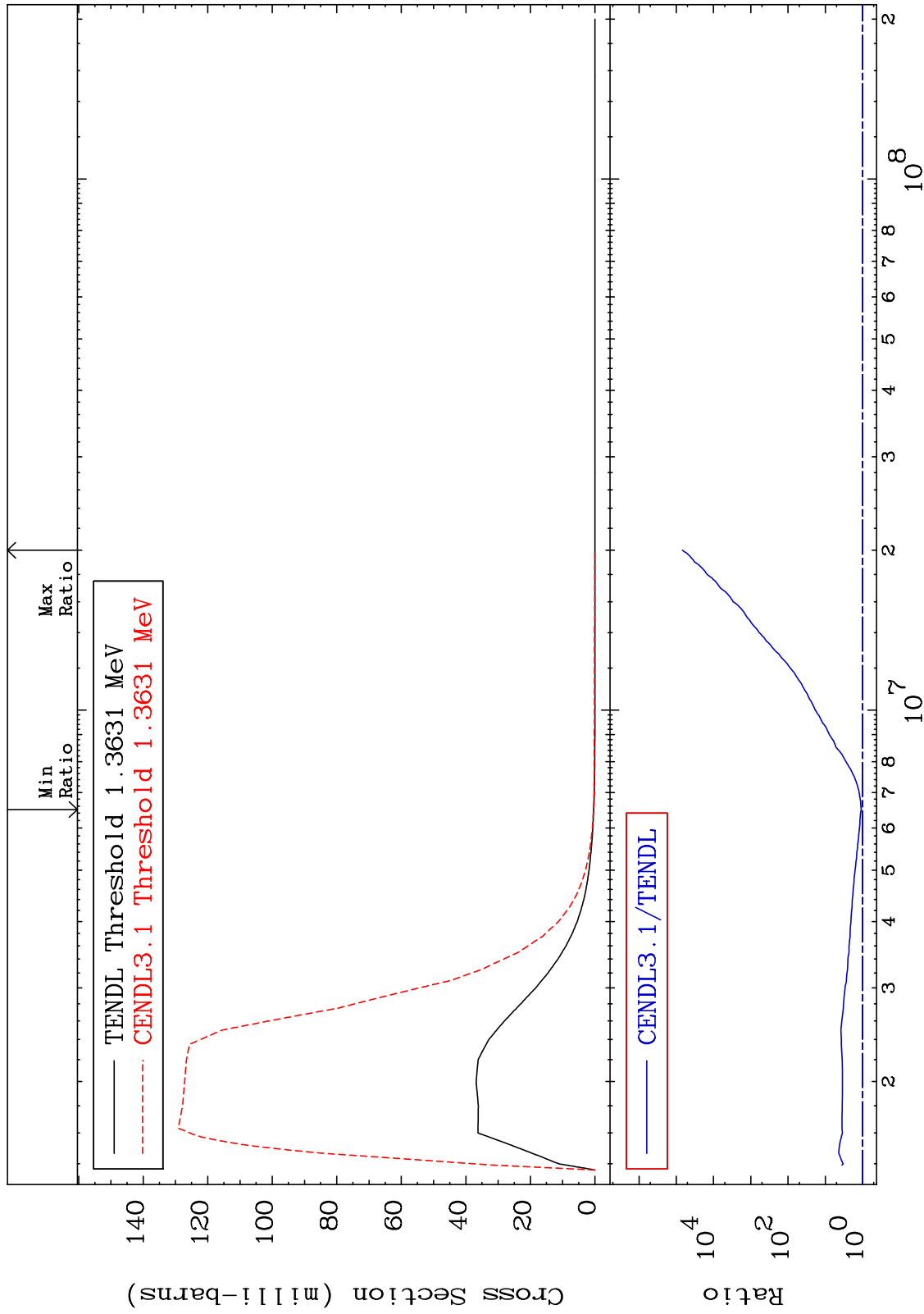
MAT 4925      MT= 60 (n,n') Level      49-In-113  
 Cross Section      -5.334 To 6466. %



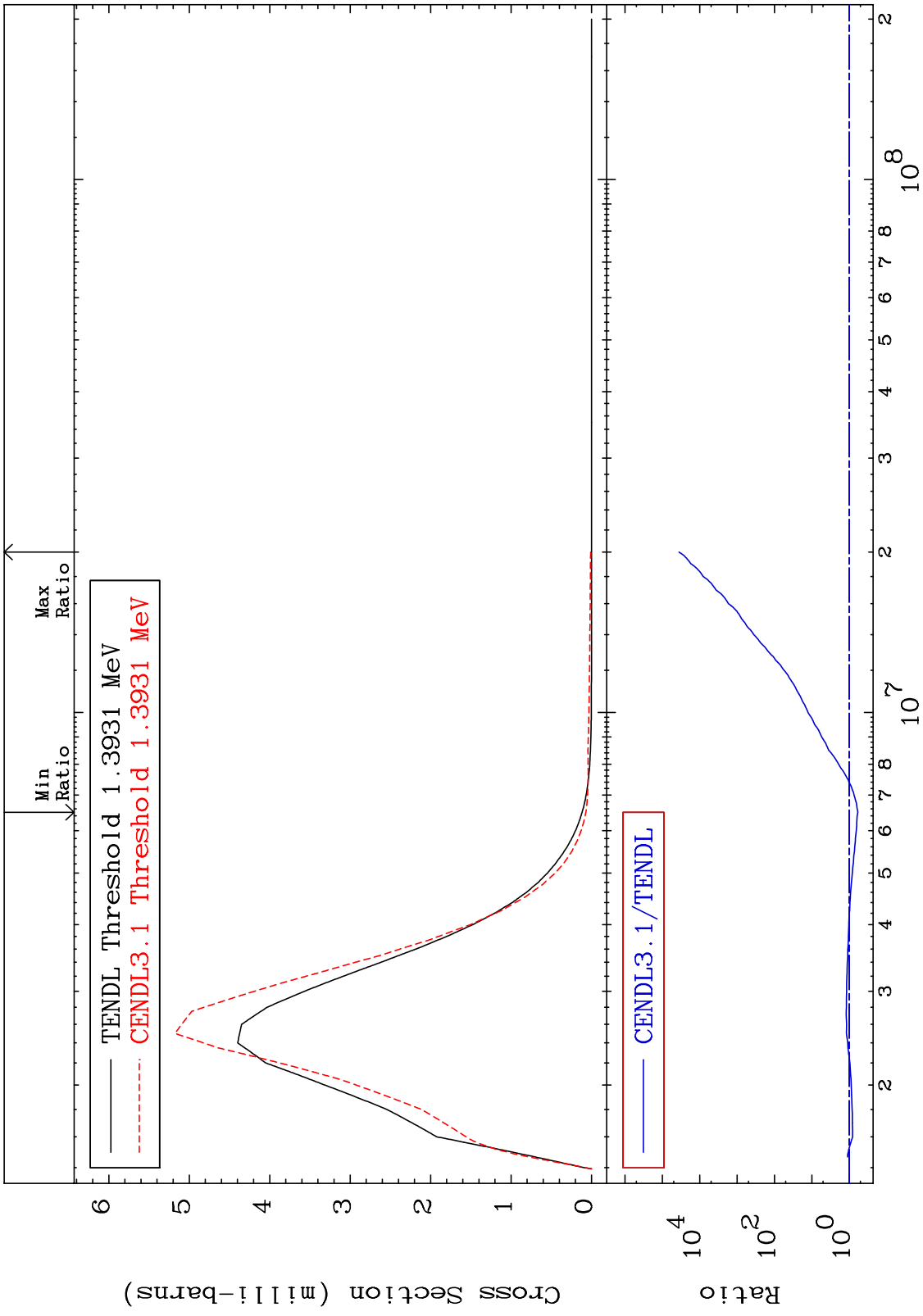
MAT 4925

MT= 61 (n,n') Level  
Cross Section

49-In-113  
8.346 To 9999. %



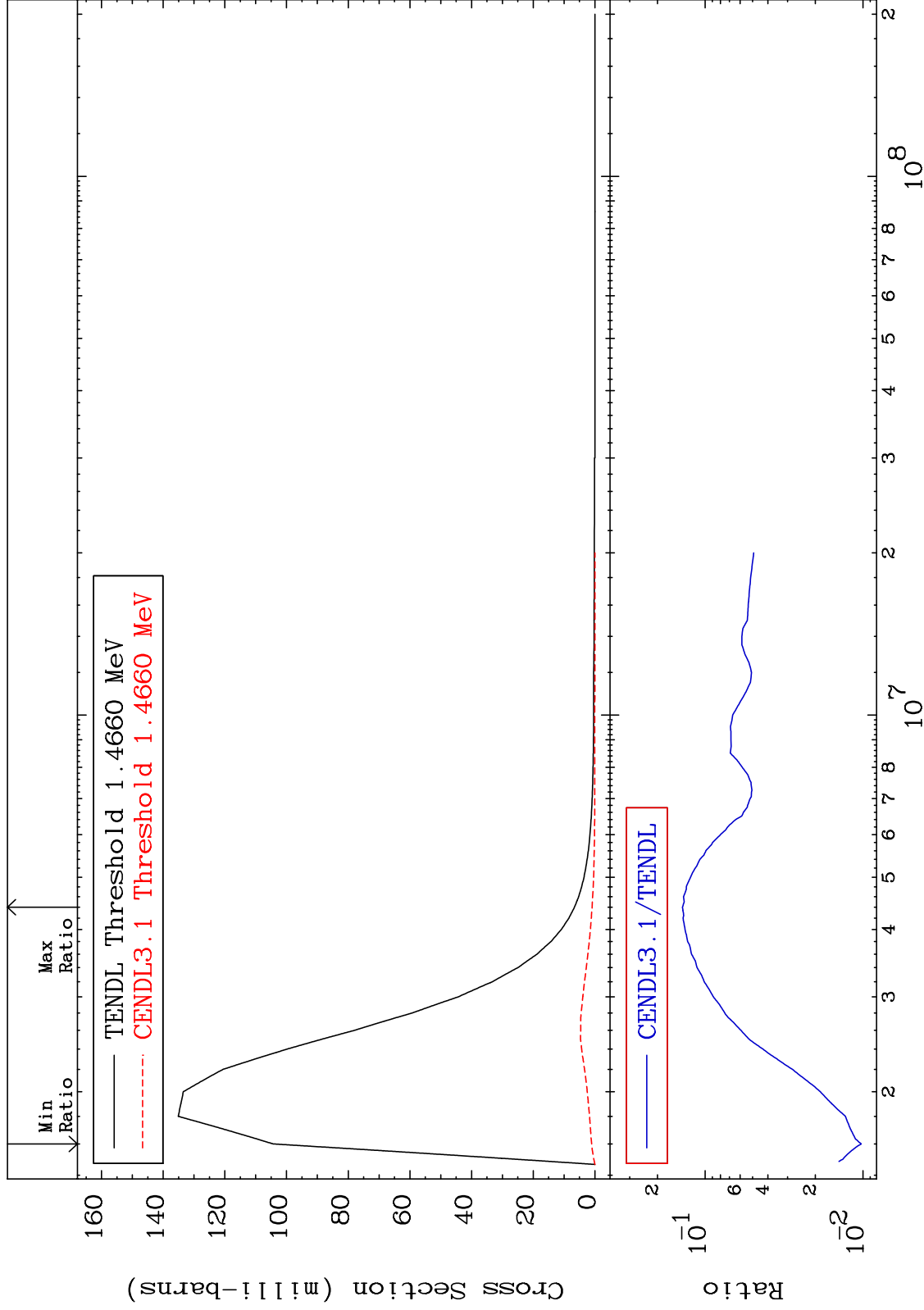
MAT 4925 MT= 62 (n,n') Level Cross Section 49-In-113  
 -41.29 To 9999. %



MAT 4925

MT= 63 (n,n') Level  
Cross Section

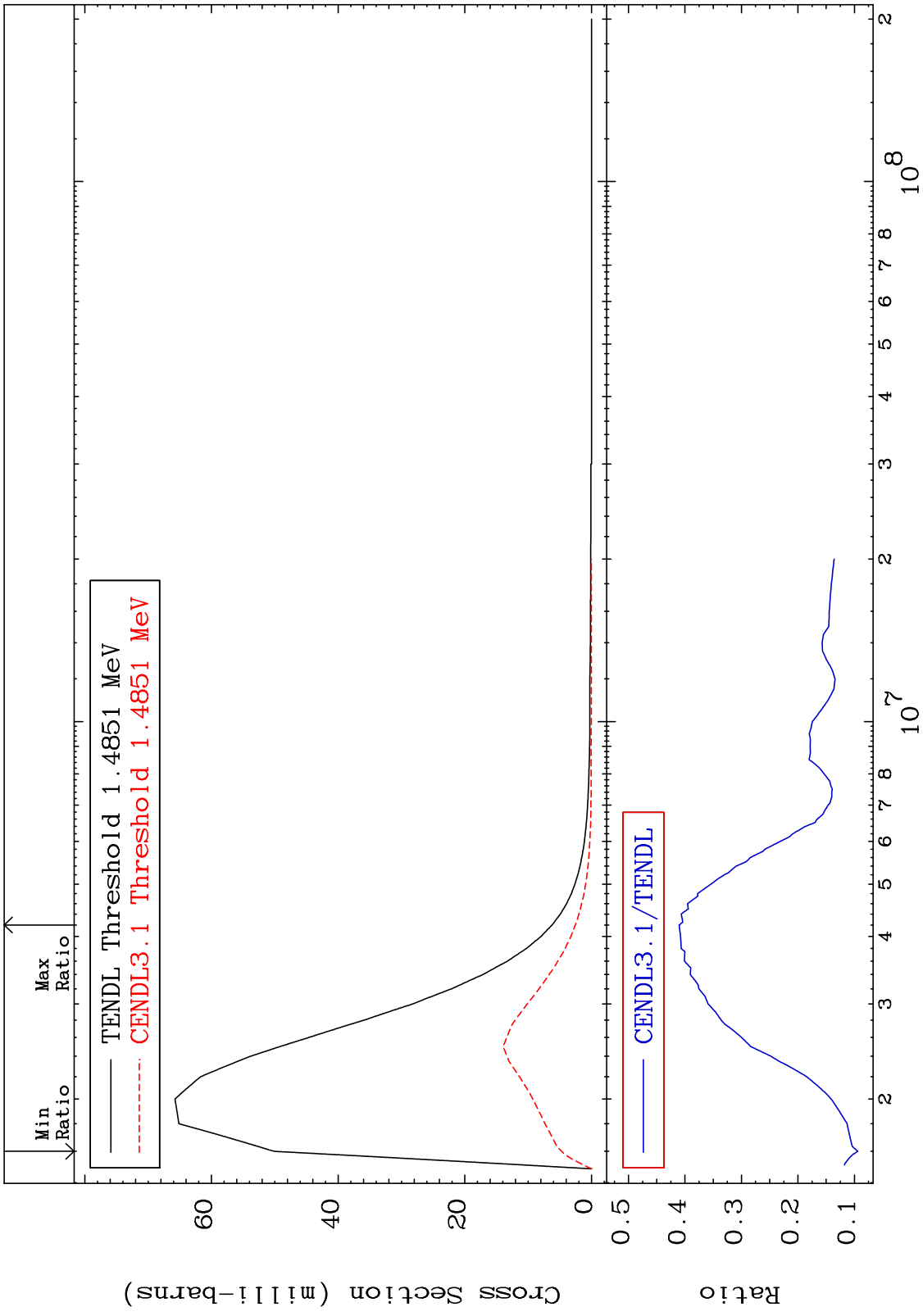
49-In-113  
-98.98 To -86.10%



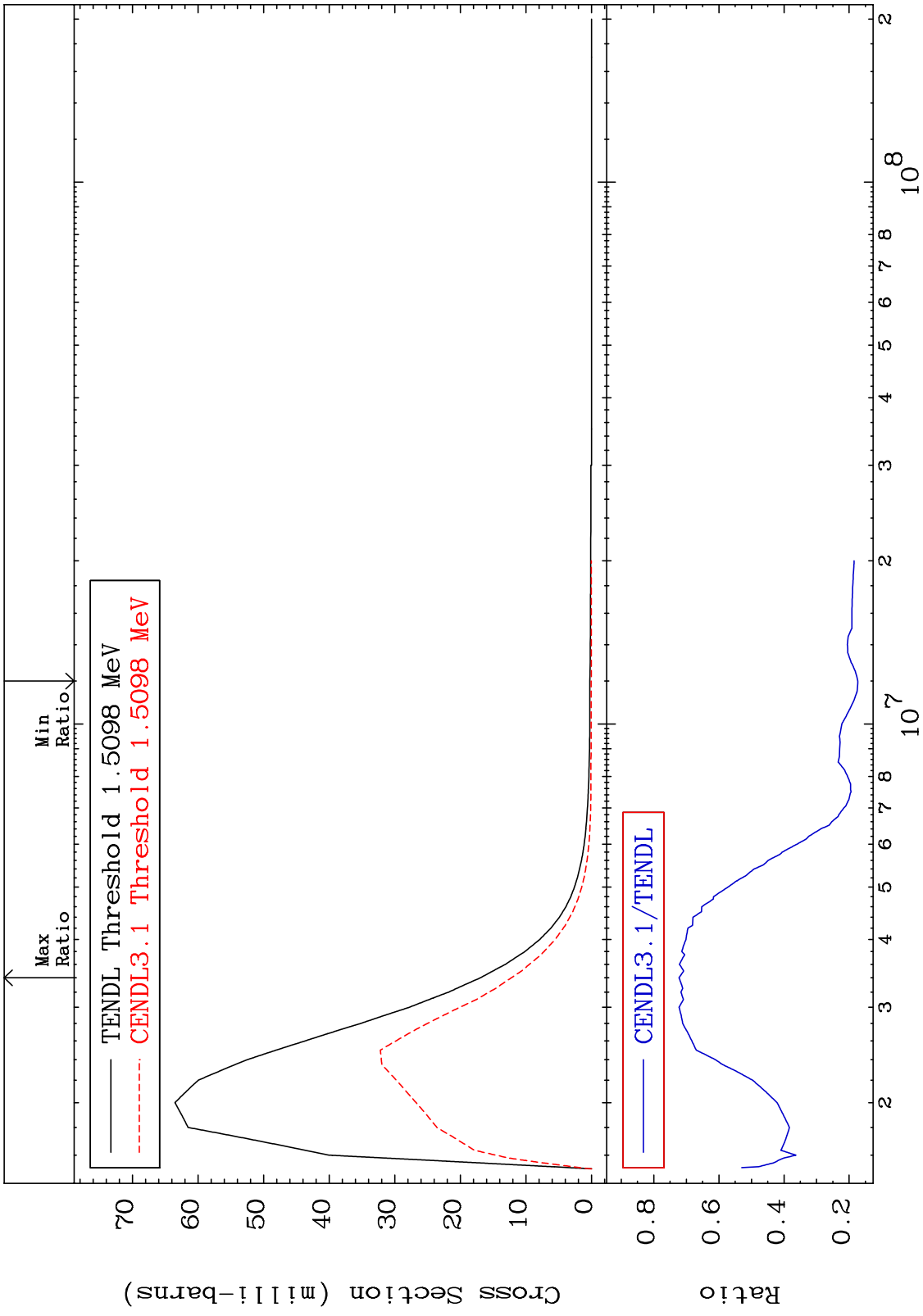
20

49-In-113

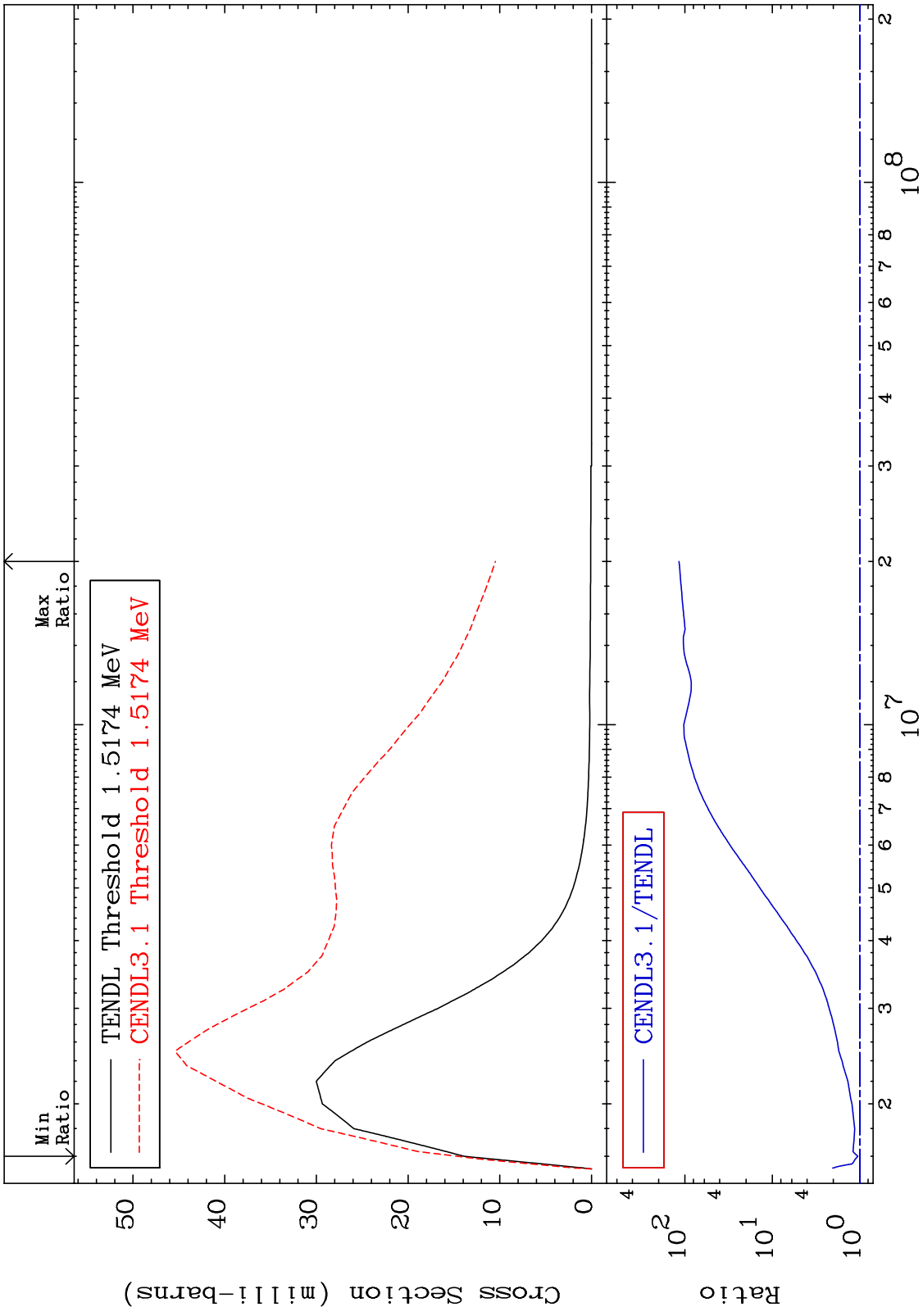
MAT 4925 MT= 64 (n,n') Level Cross Section 49-In-113 -90.61 To -58.95%



MAT 4925 MT= 65 (n,n') Level Cross Section 49-In-113 -82.67 To -27.76%



MAT 4925 MT= 66 (n,n') Level Cross Section 4.980 To 9999. % 49-In-113

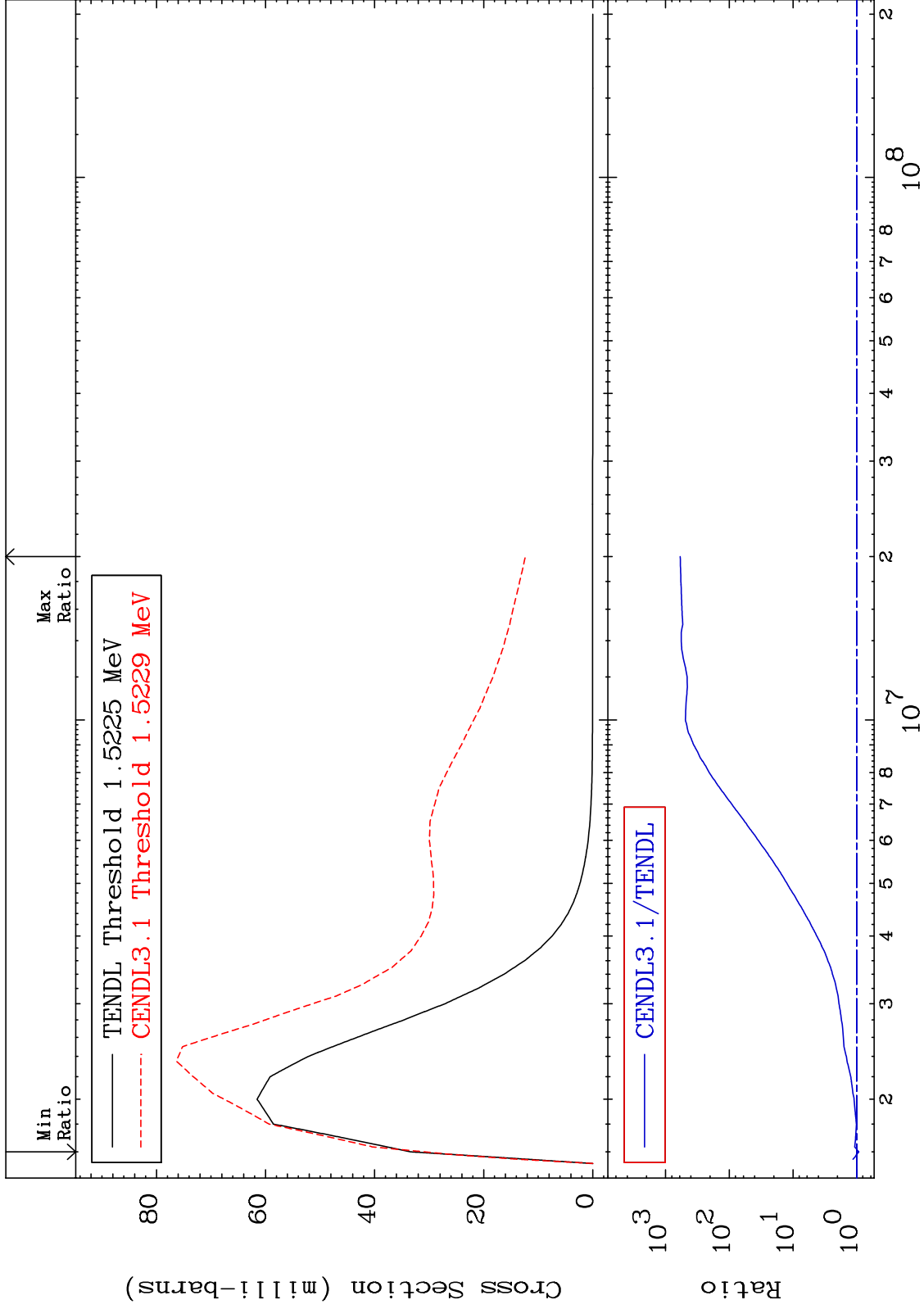




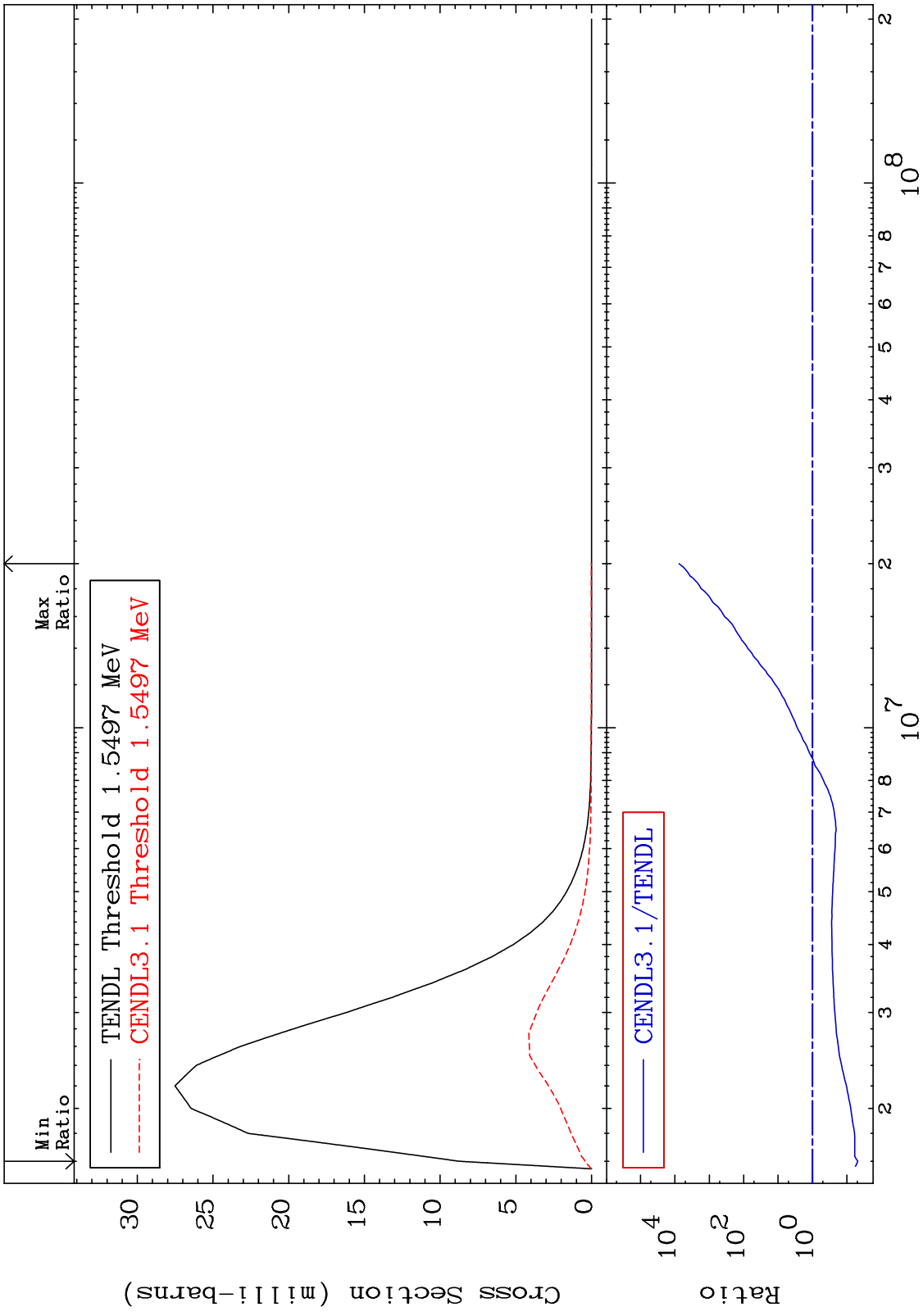
MAT 4925

MT= 67 (n,n') Level  
Cross Section

49-In-113  
-7.586 To 9999. %



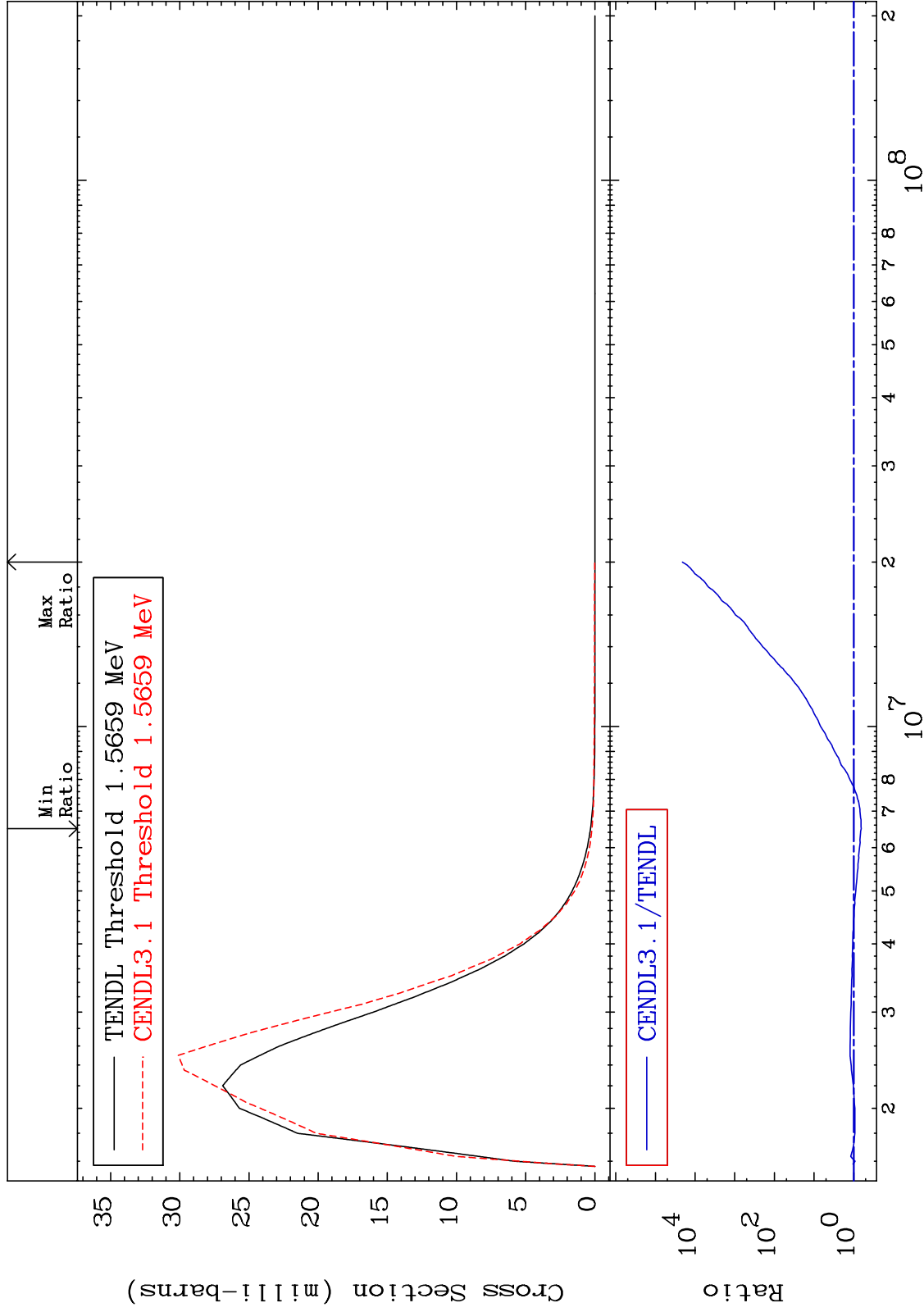
MAT 4925      MT= 68 (n,n') Level      49-In-113  
 Cross Section      -95.19 To 9999. %



MAT 4925

MT= 69 (n,n') Level  
Cross Section

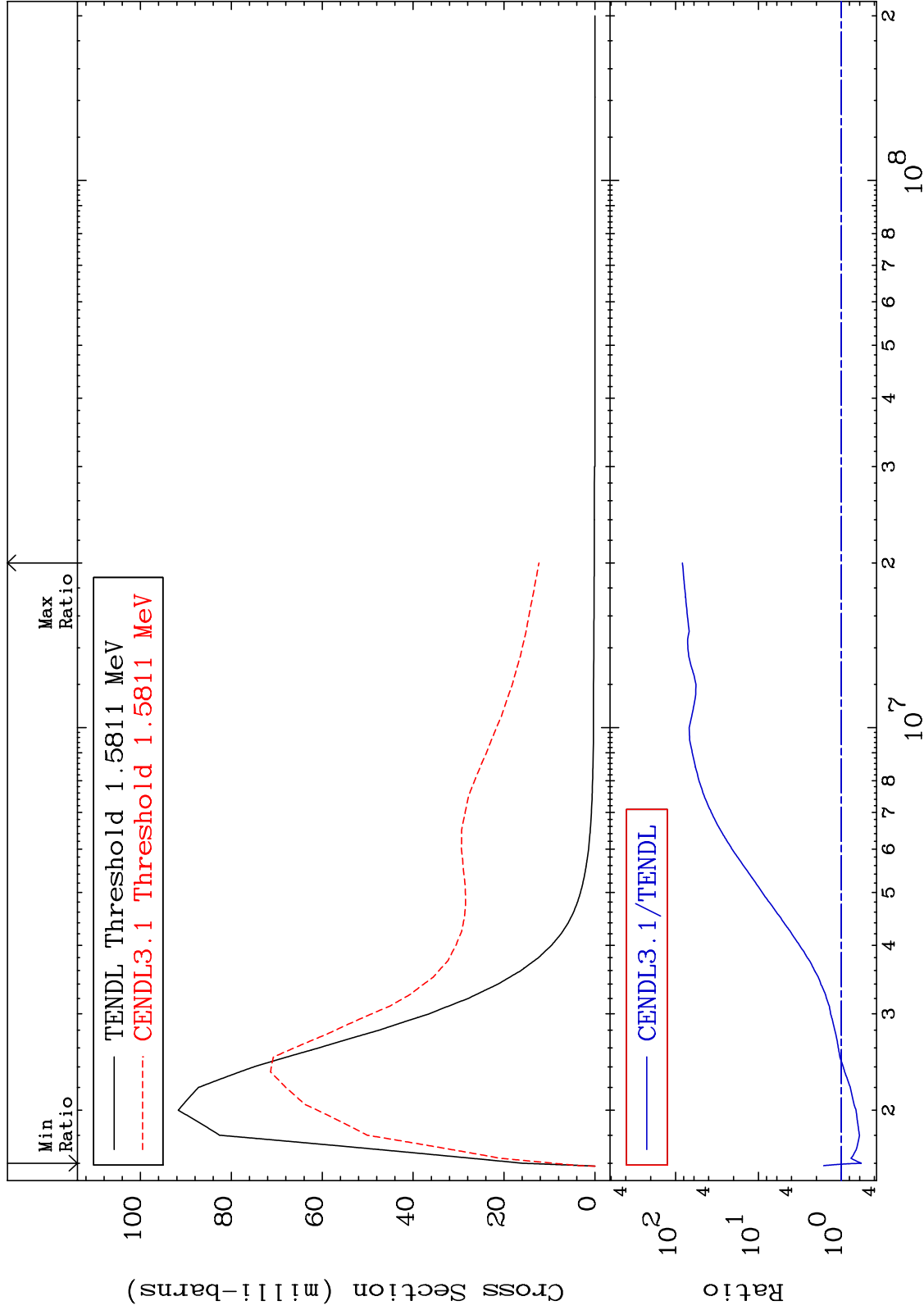
49-In-113  
-35.42 To 9999. %



MAT 4925

MT= 70 (n,n') Level  
Cross Section

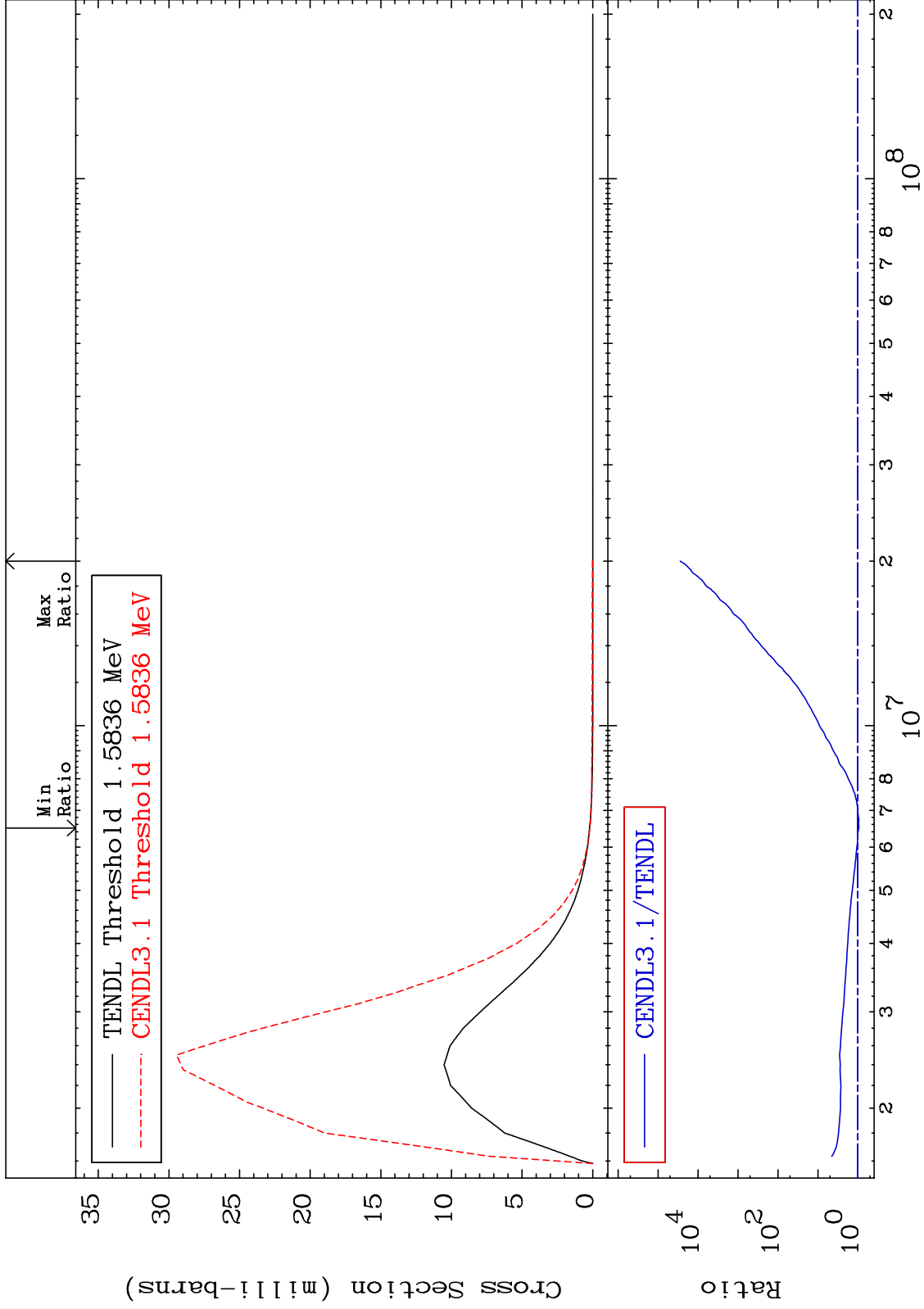
49-In-113  
-42.44 To 8171. %



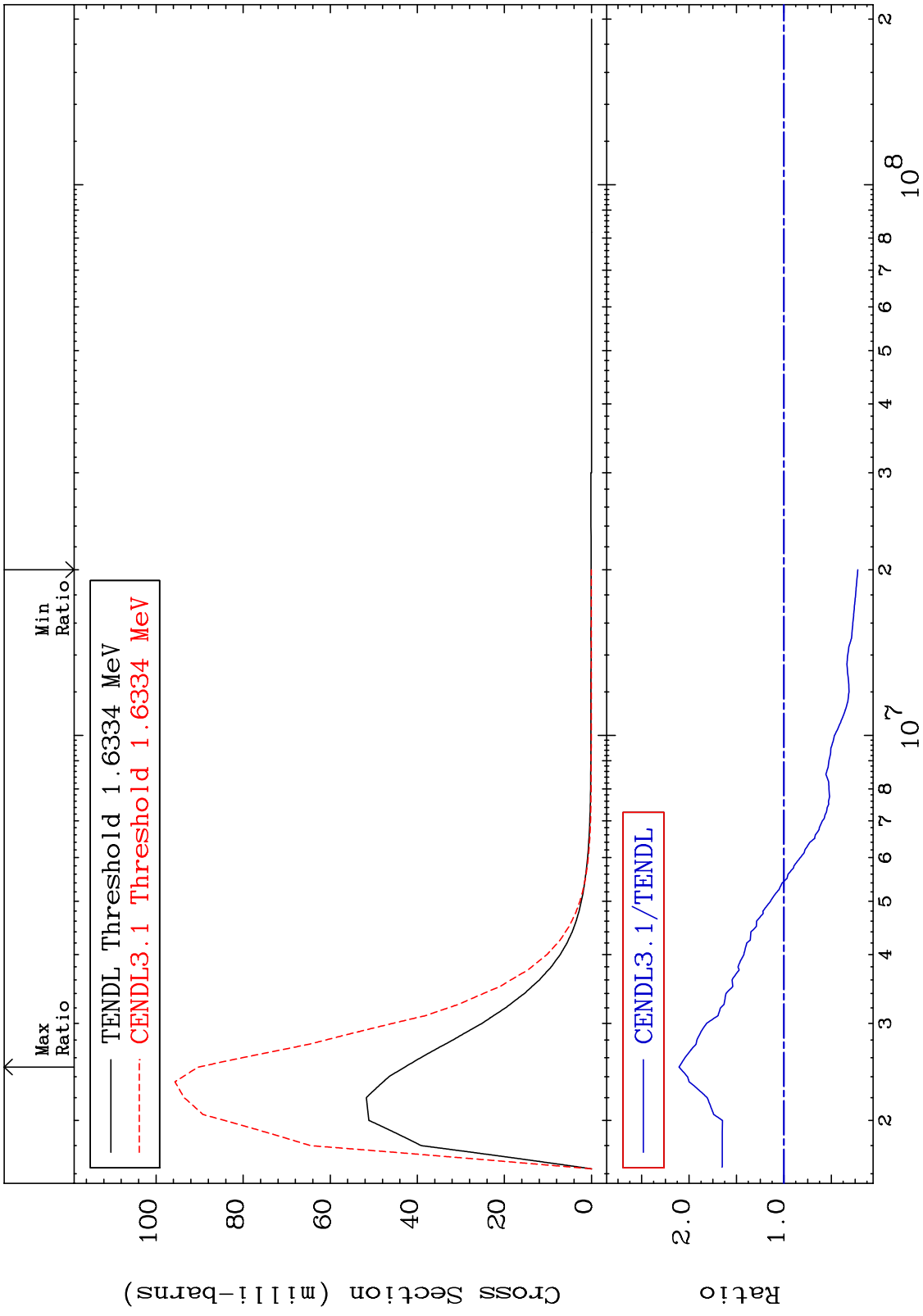
MAT 4925

MT= 71 (n,n') Level  
Cross Section

49-In-113  
-5.792 To 9999. %



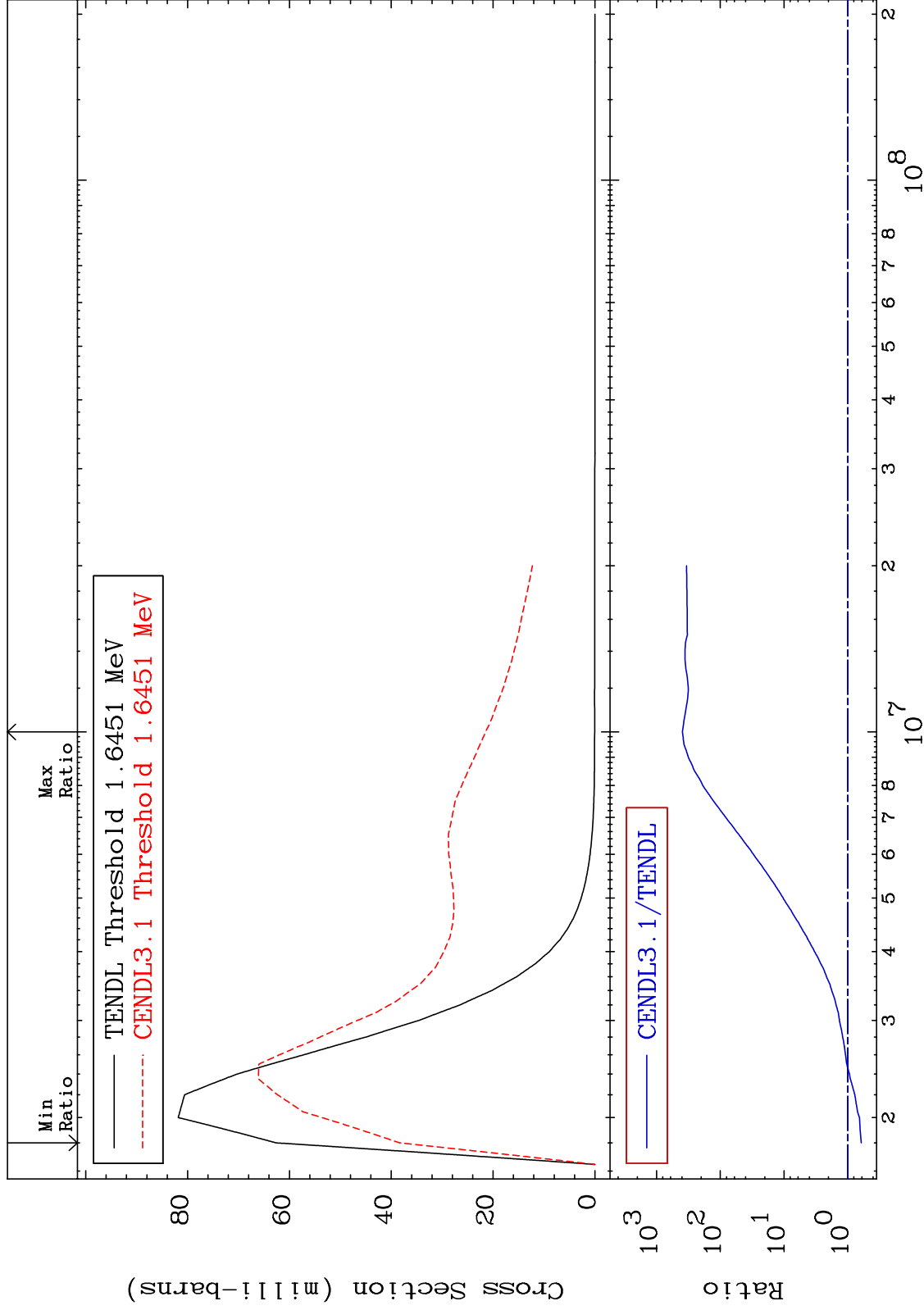
MAT 4925 MT= 72 (n,n') Level Cross Section 49-In-113  
 -77.89 To 110.6 %



MAT 4925

MT= 73 (n,n') Level  
Cross Section

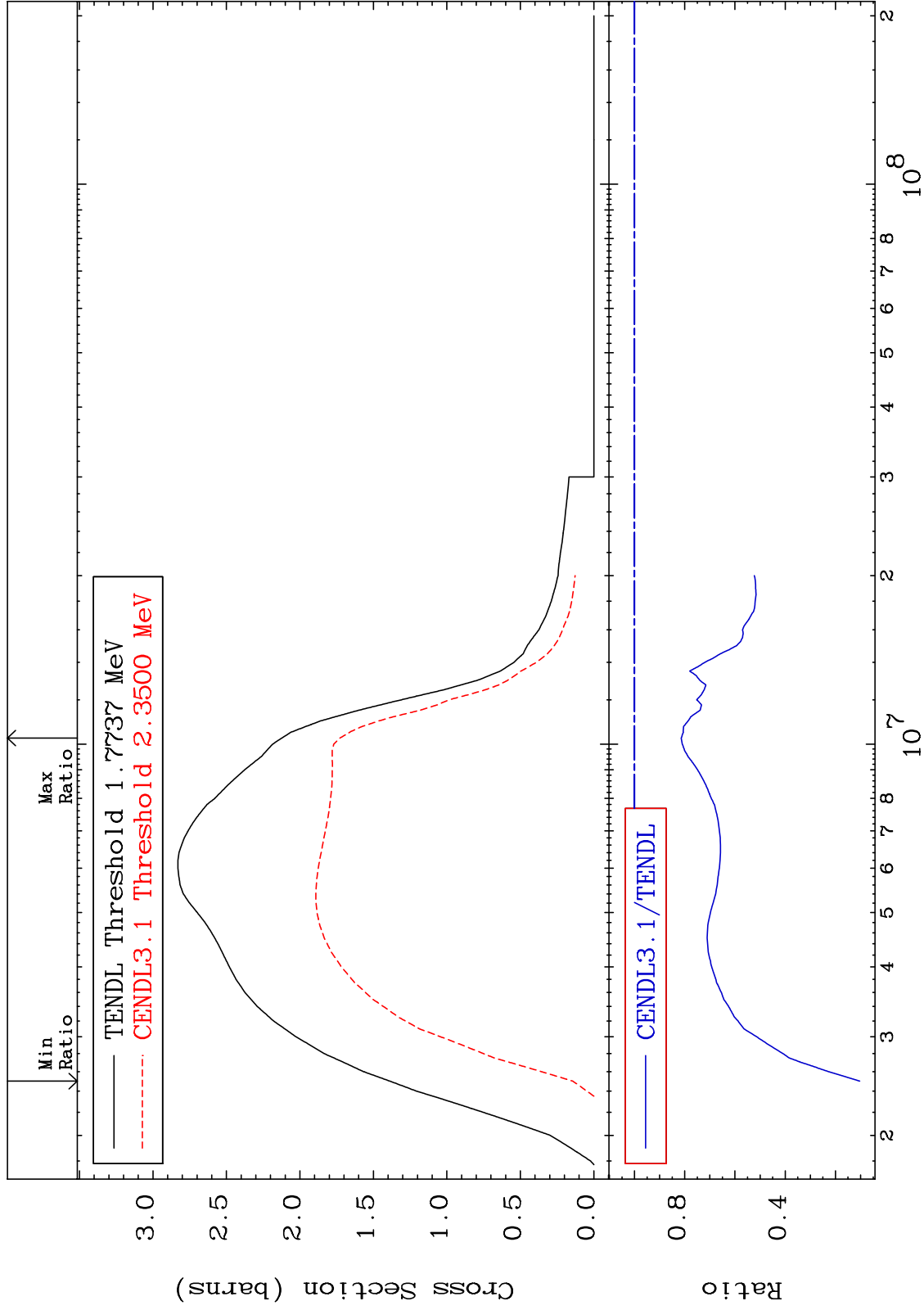
49-In-113  
-38.74 To 9999. %



MAT 4925

(n, n') Continuum  
Cross Section

49-In-113  
-89.67 To -18.61%



31

Incident Energy (eV)

49-In-113



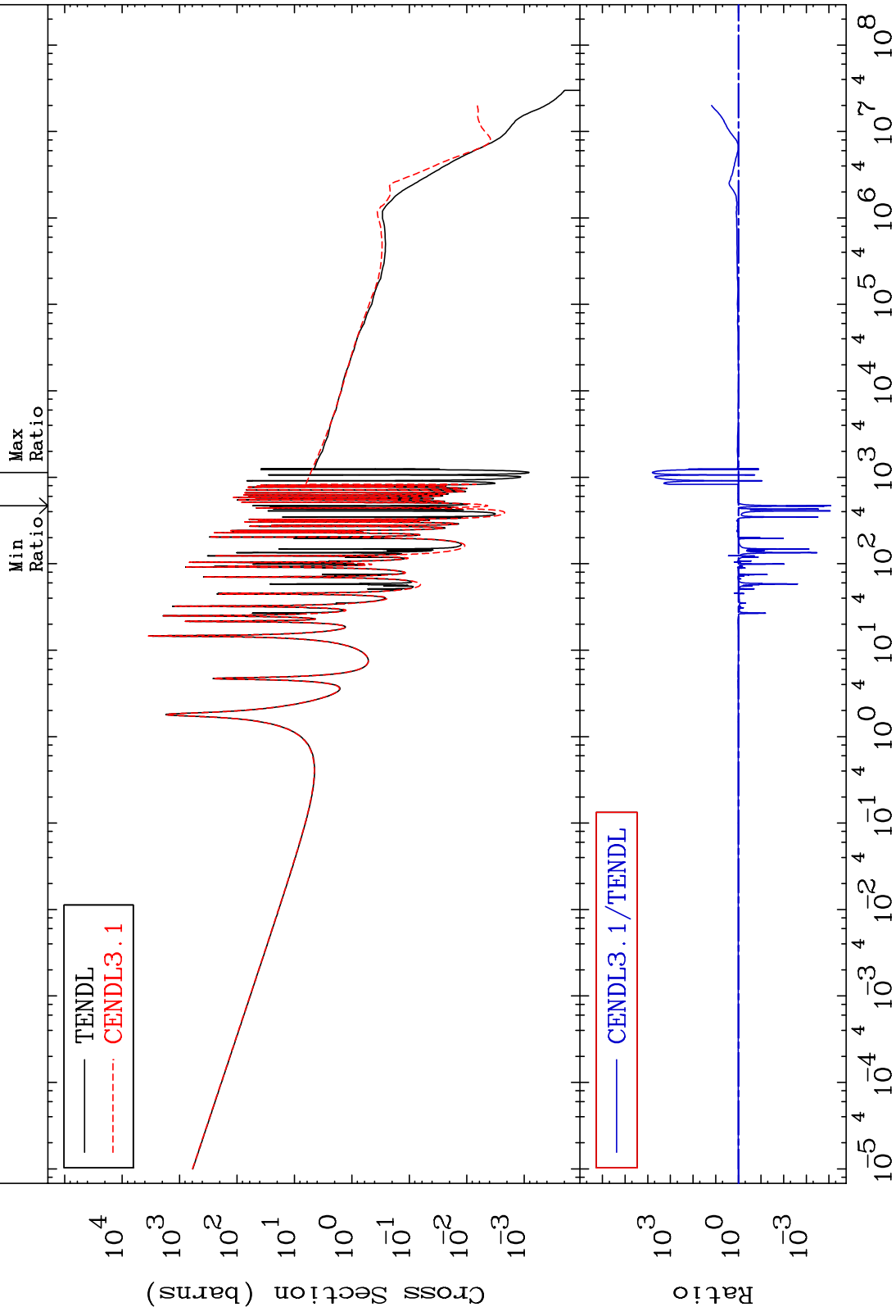
MAT 4925

(n,  $\gamma$ )

49-In-113

-99.99 To 9999. %

Cross Section



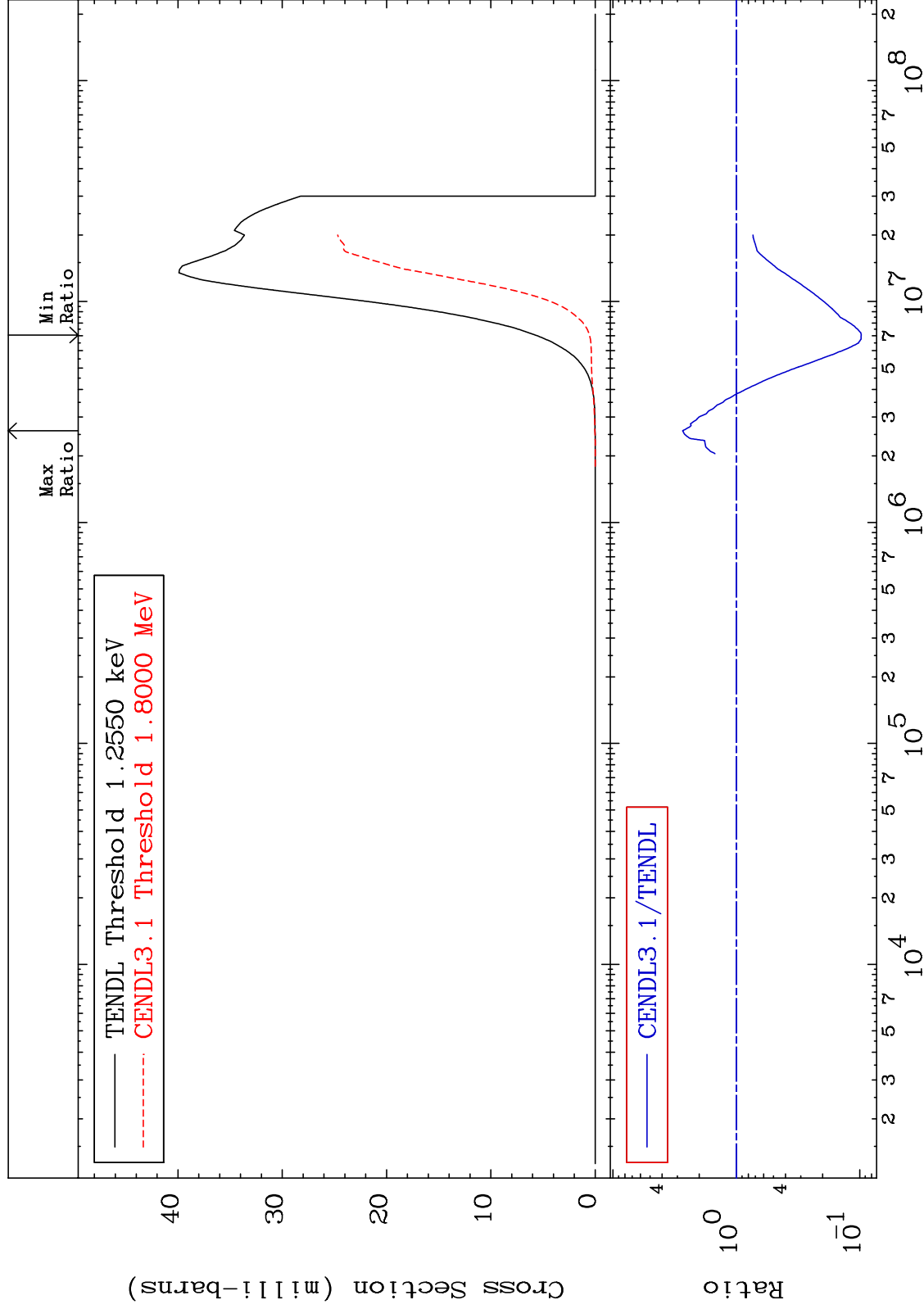
MAT 4925

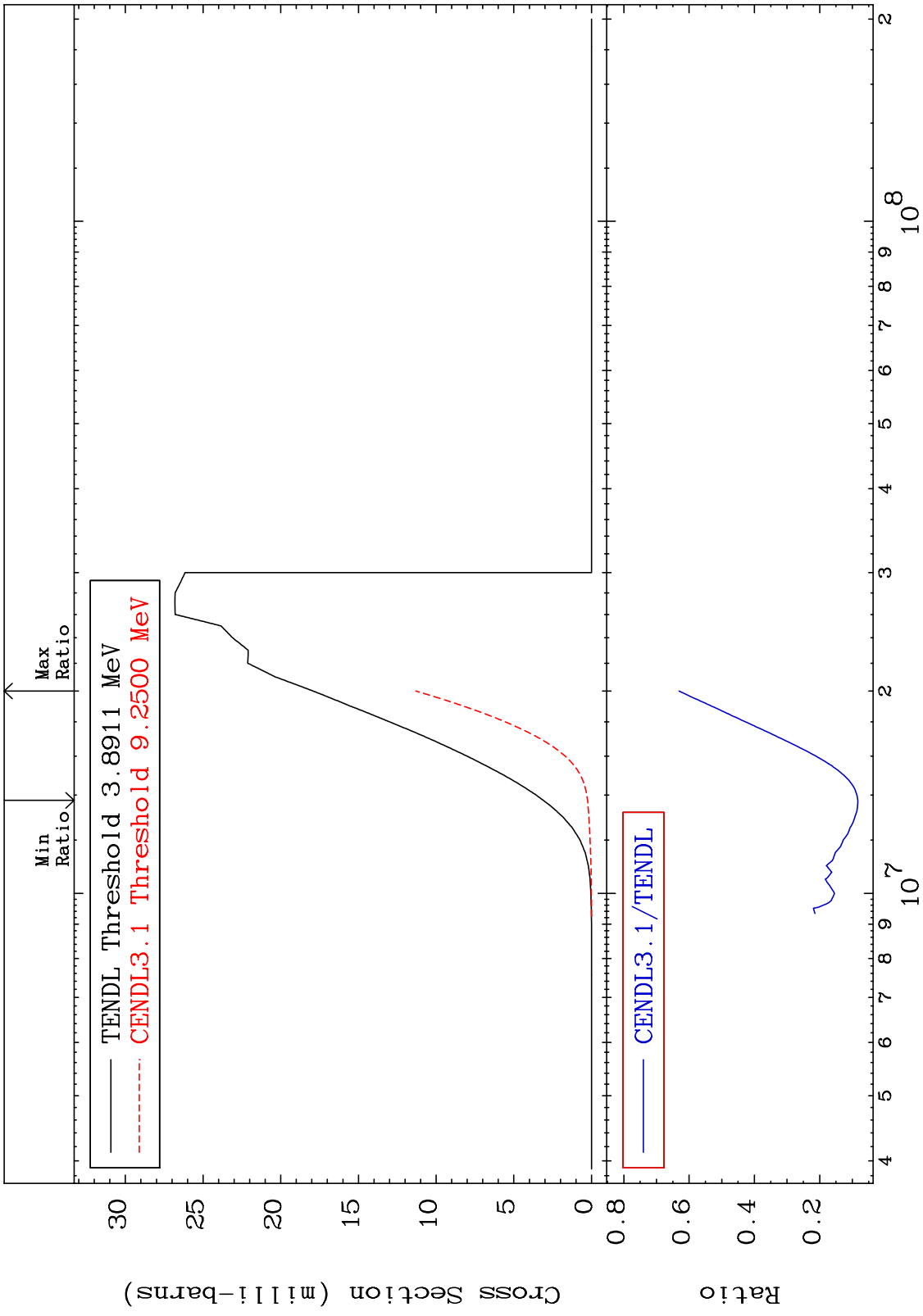
(n,p)

49-In-113

Cross Section

-90.31 To 172.2 %





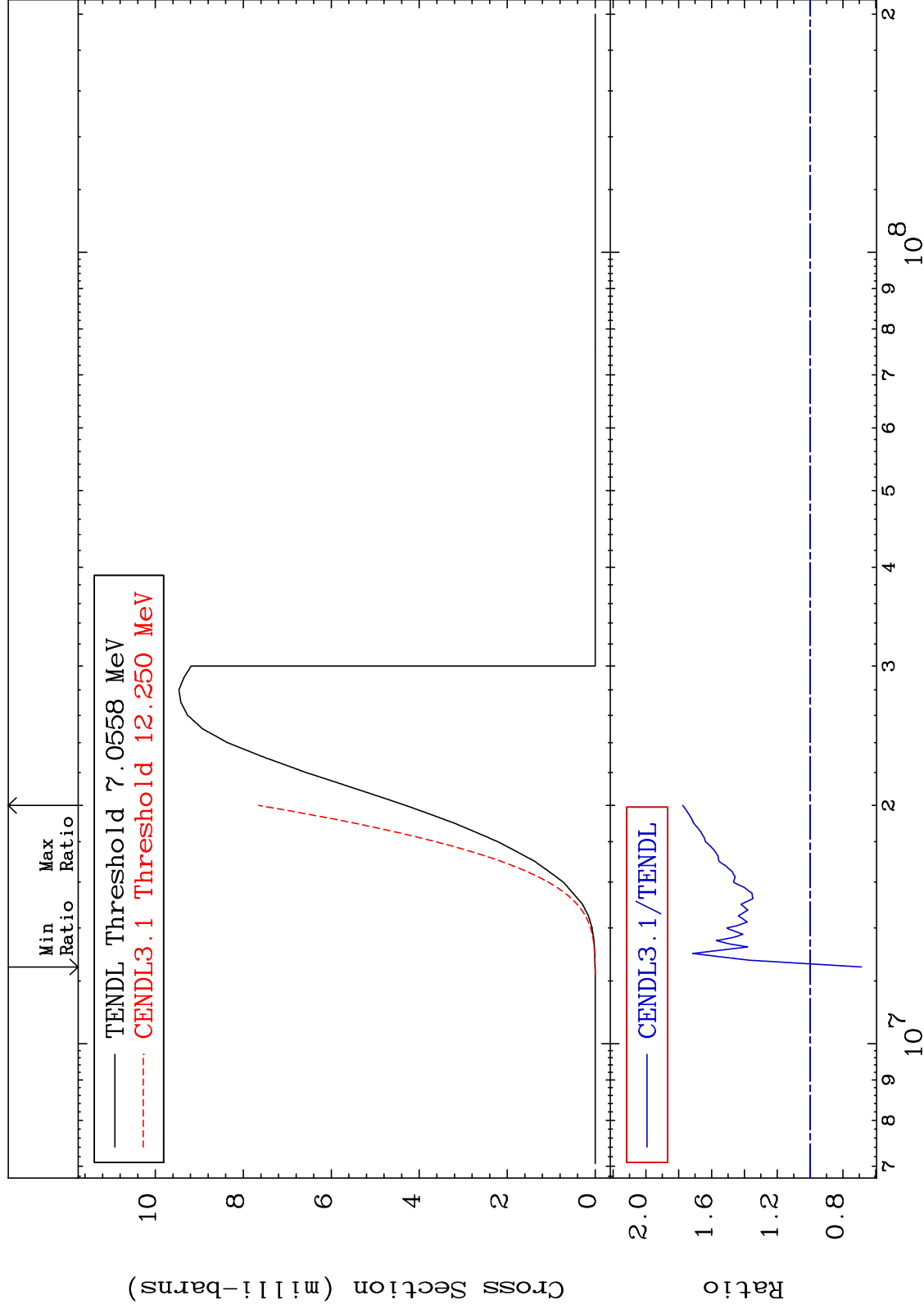
MAT 4925

(n, t)

49-In-113

Cross Section

-31.19 To 77.61 %



35

Incident Energy (eV)

49-In-113

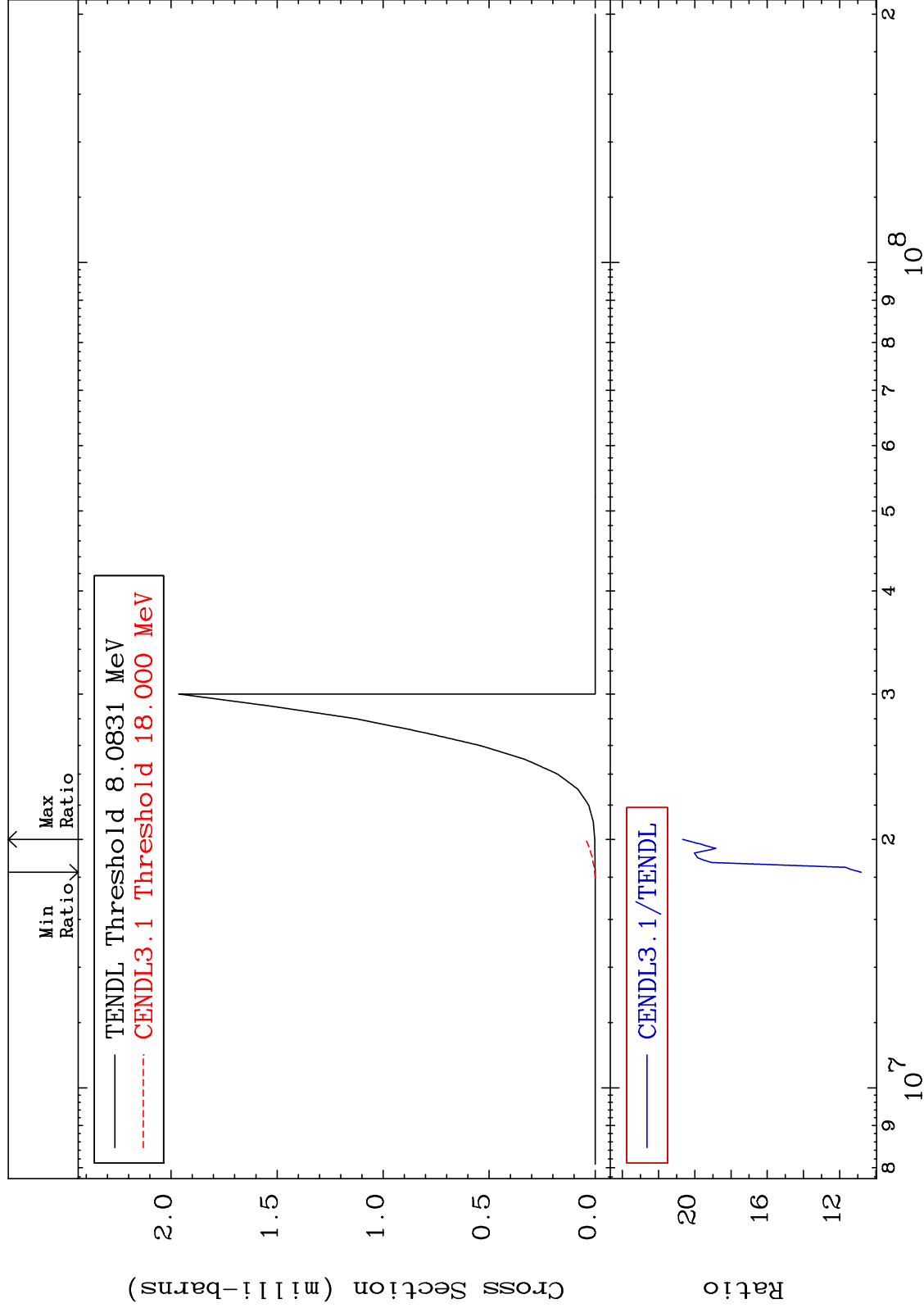
MAT 4925

(n, He-3)

49-In-113

Cross Section

980.2 To 1967. %



36

Incident Energy (eV)

49-In-113

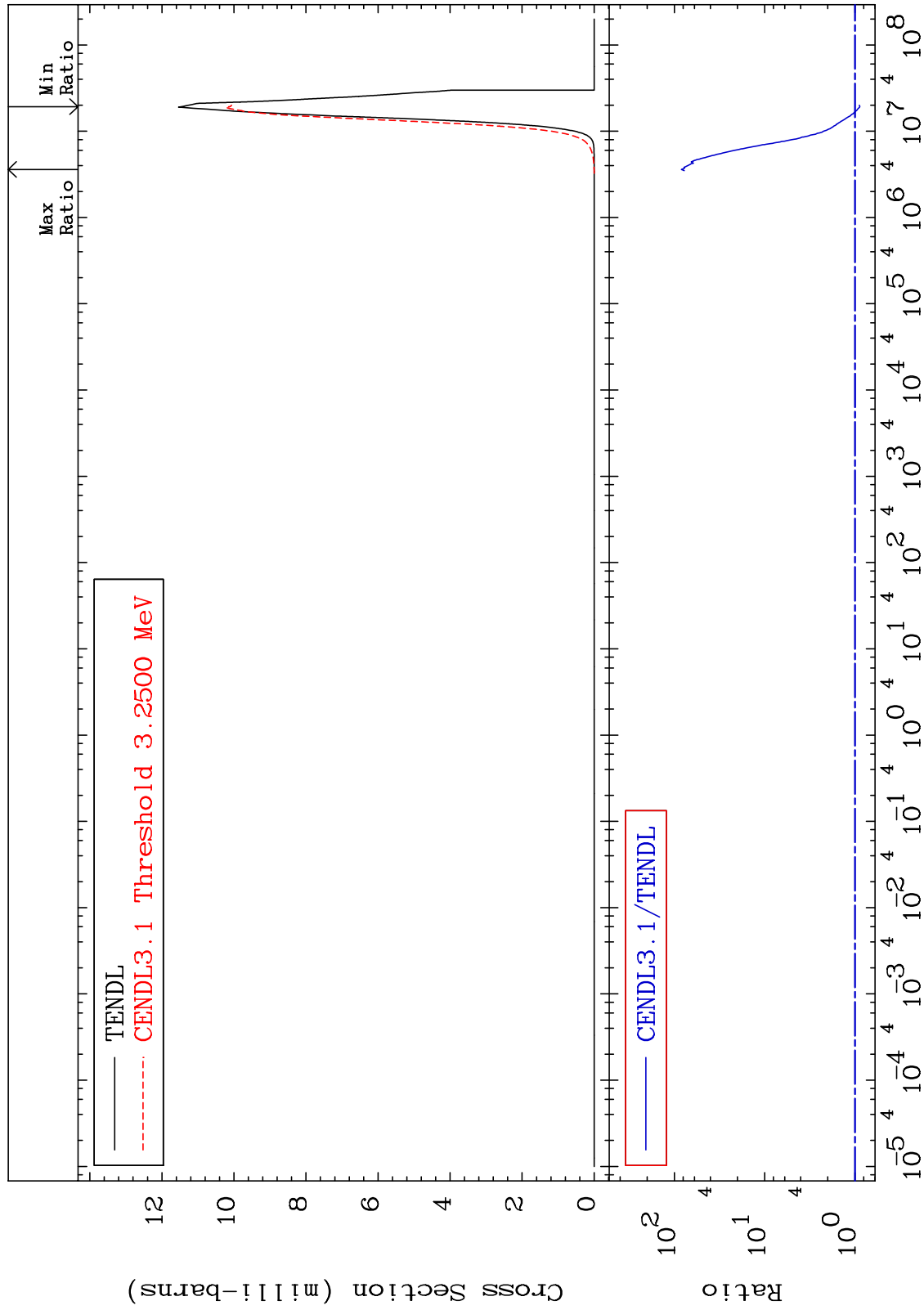
MAT 4925

(n,  $\alpha$ )

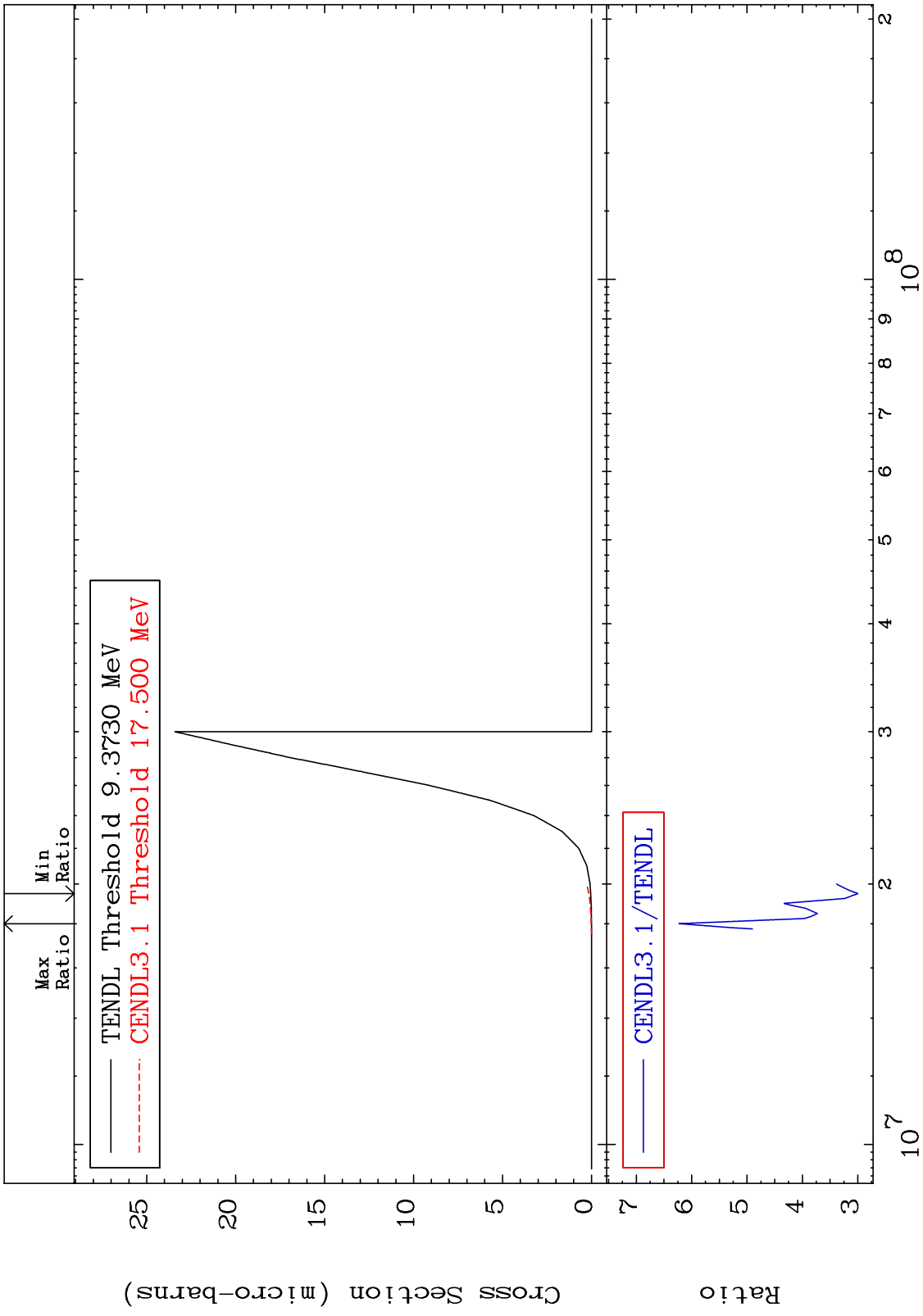
49-In-113

Cross Section

-11.74 To 8257. %



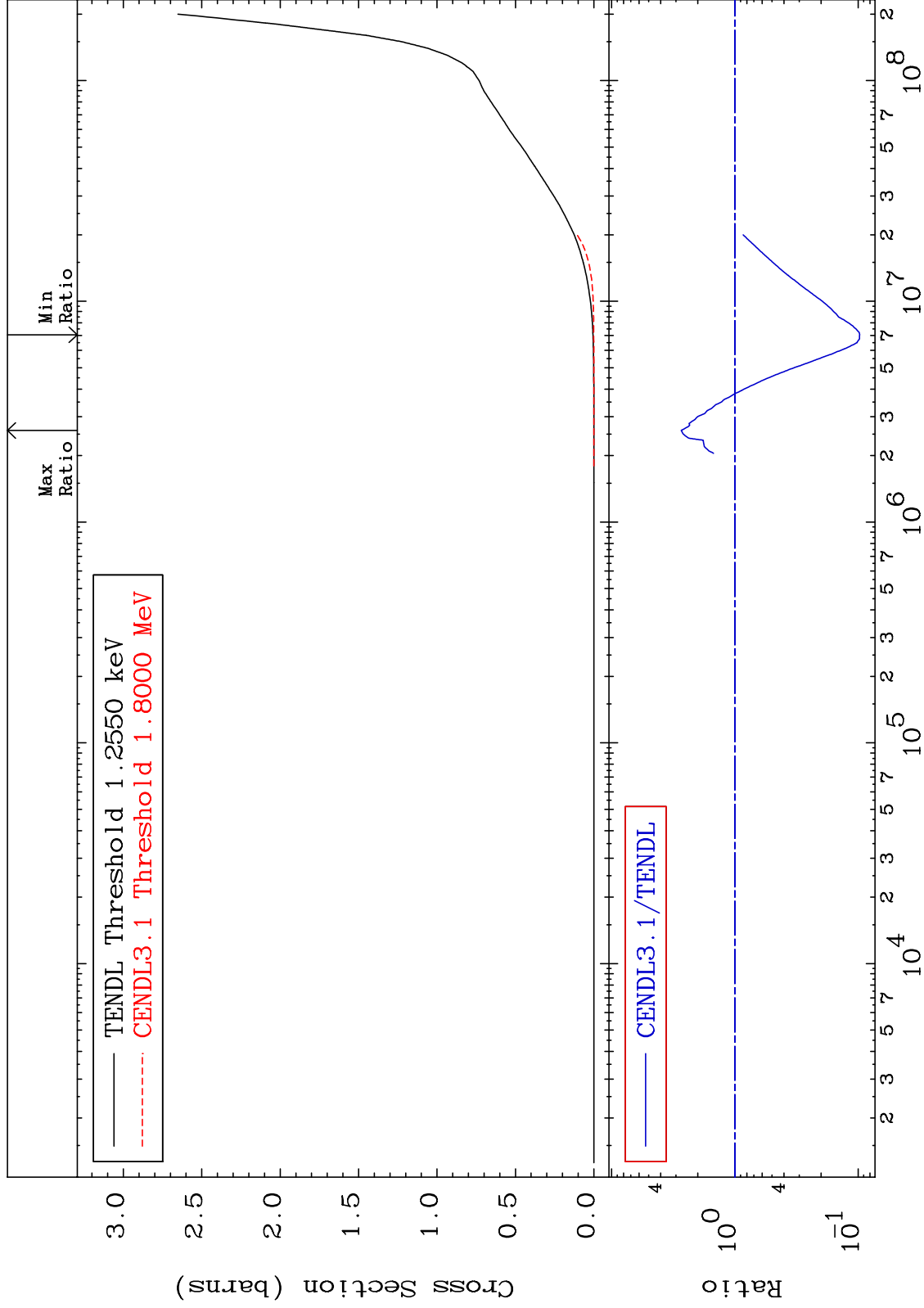
MAT 4925 (n,2p) Cross Section 49-In-113 199.9 To 522.8 %



MAT 4925

Hydrogen Production  
Cross Section

49-In-113  
-90.31 To 172.2 %

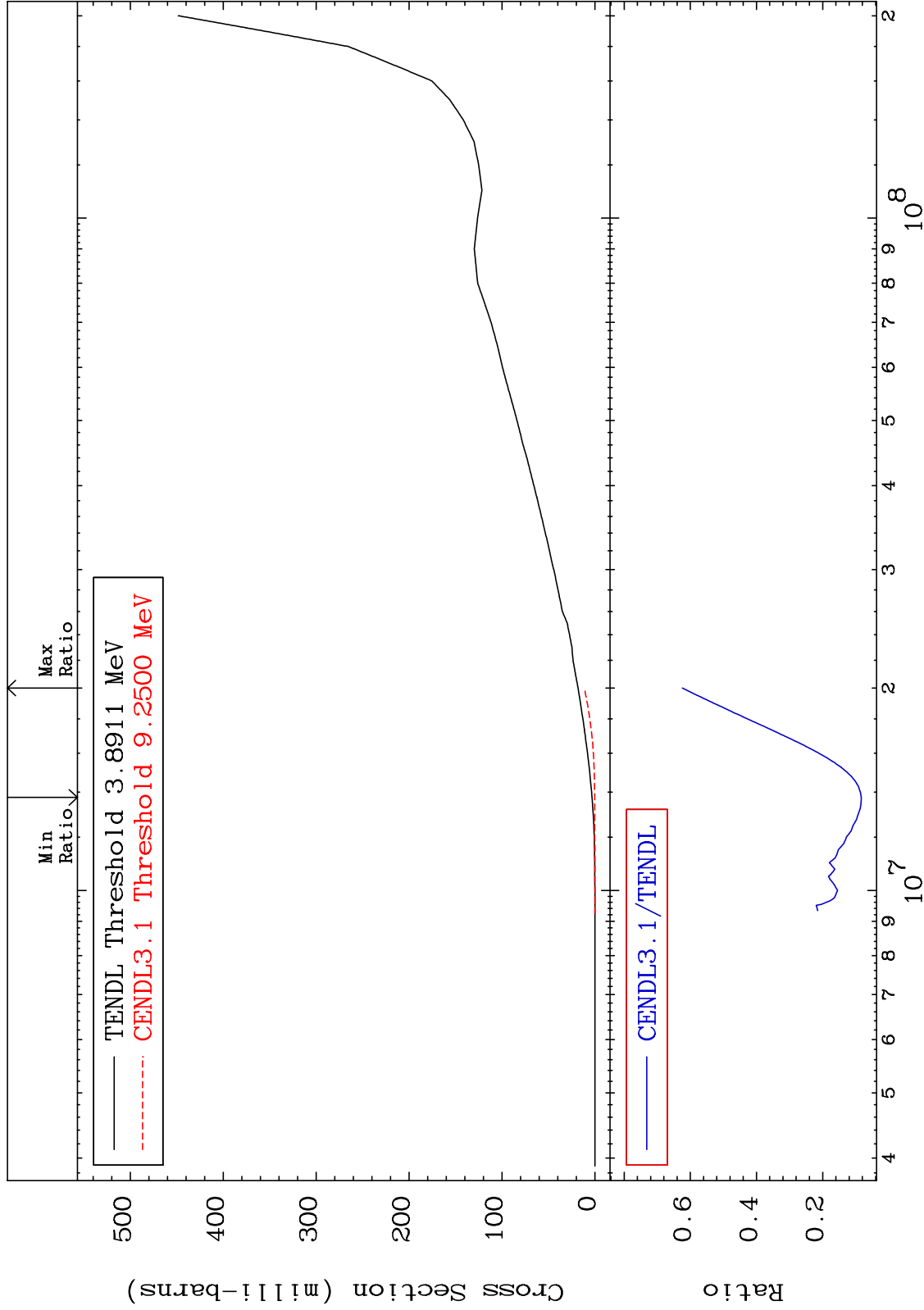




MAT 4925

Deuterium Production  
Cross Section

49-In-113  
-91.68 To -37.62%



40

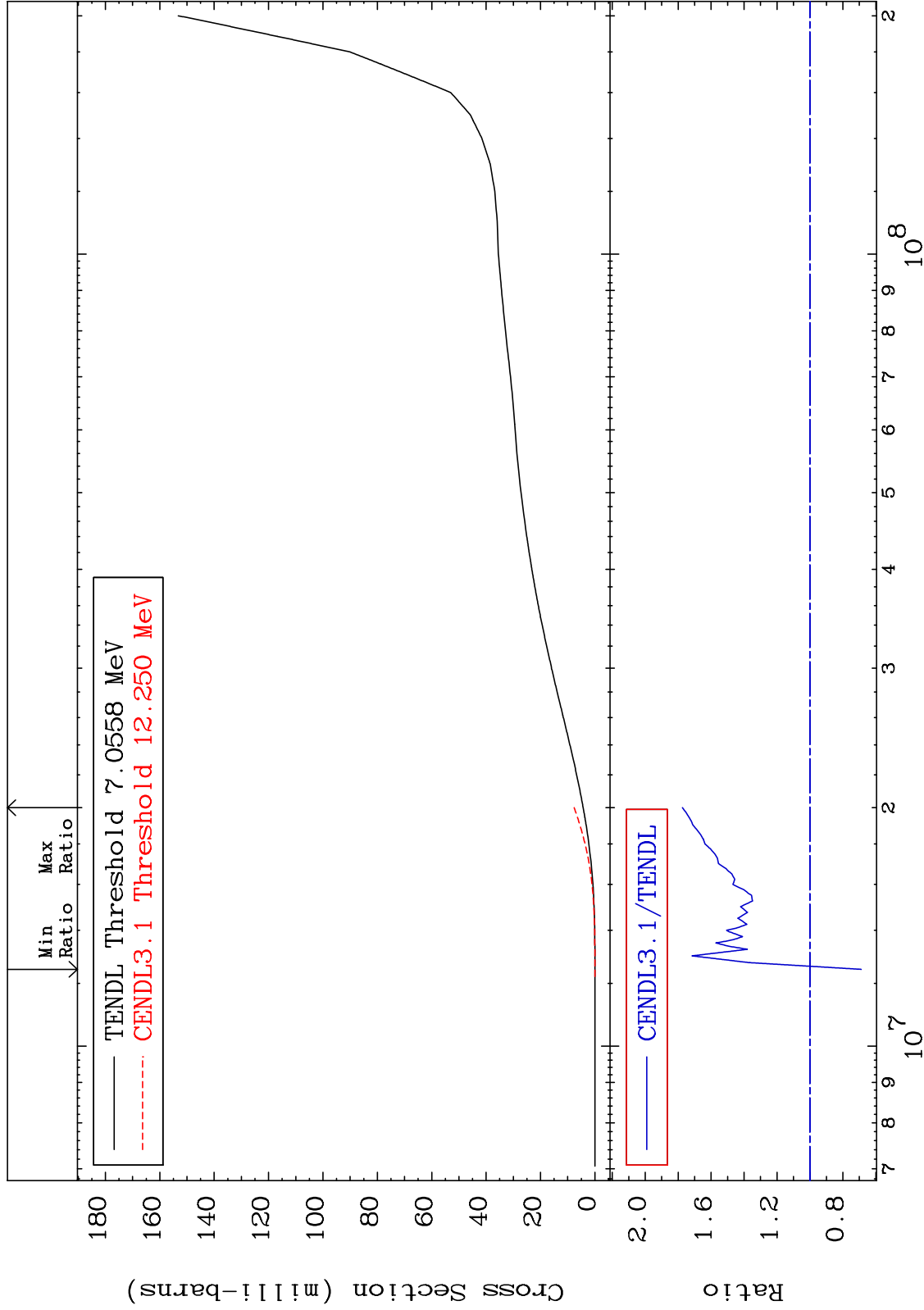
Incident Energy (eV)

49-In-113

MAT 4925

Tritium Production  
Cross Section

49-In-113  
-31.19 To 77.40 %



41

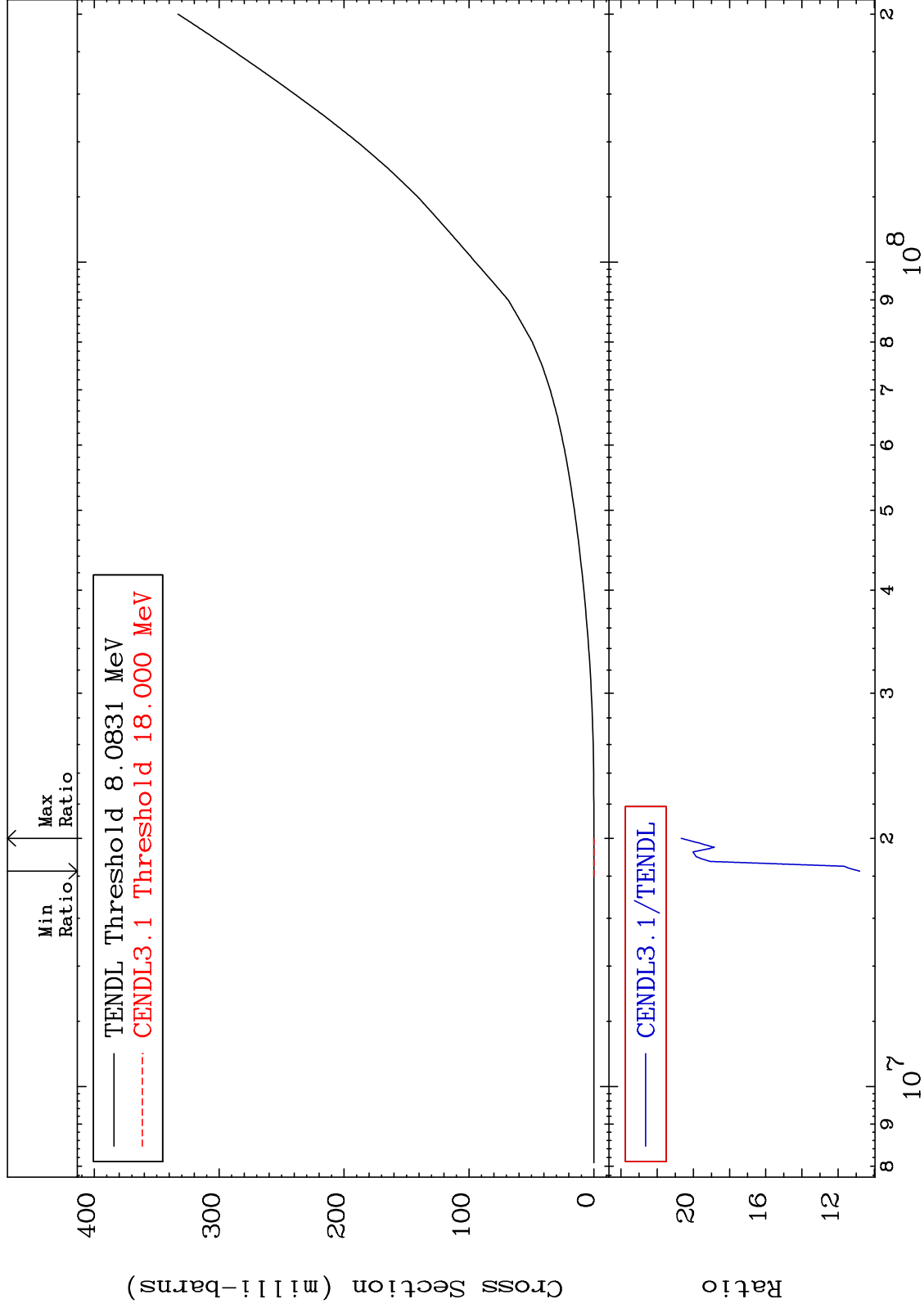
Incident Energy (eV)

49-In-113

MAT 4925

He-3 Production  
Cross Section

49-In-113  
980.2 To 1967. %



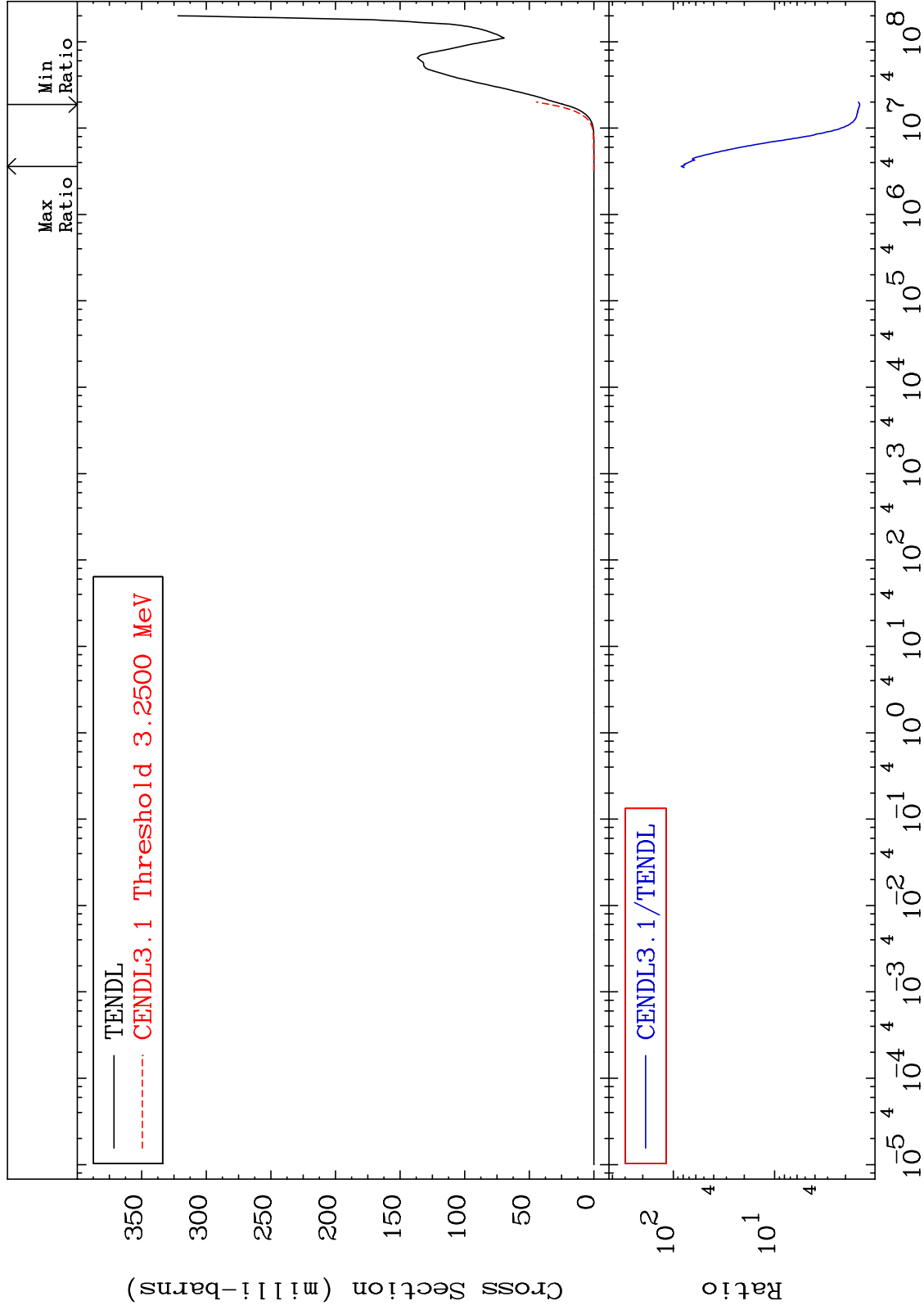
42

49-In-113

MAT 4925

He-4 Production  
Cross Section

49-In-113  
44.49 To 8257. %

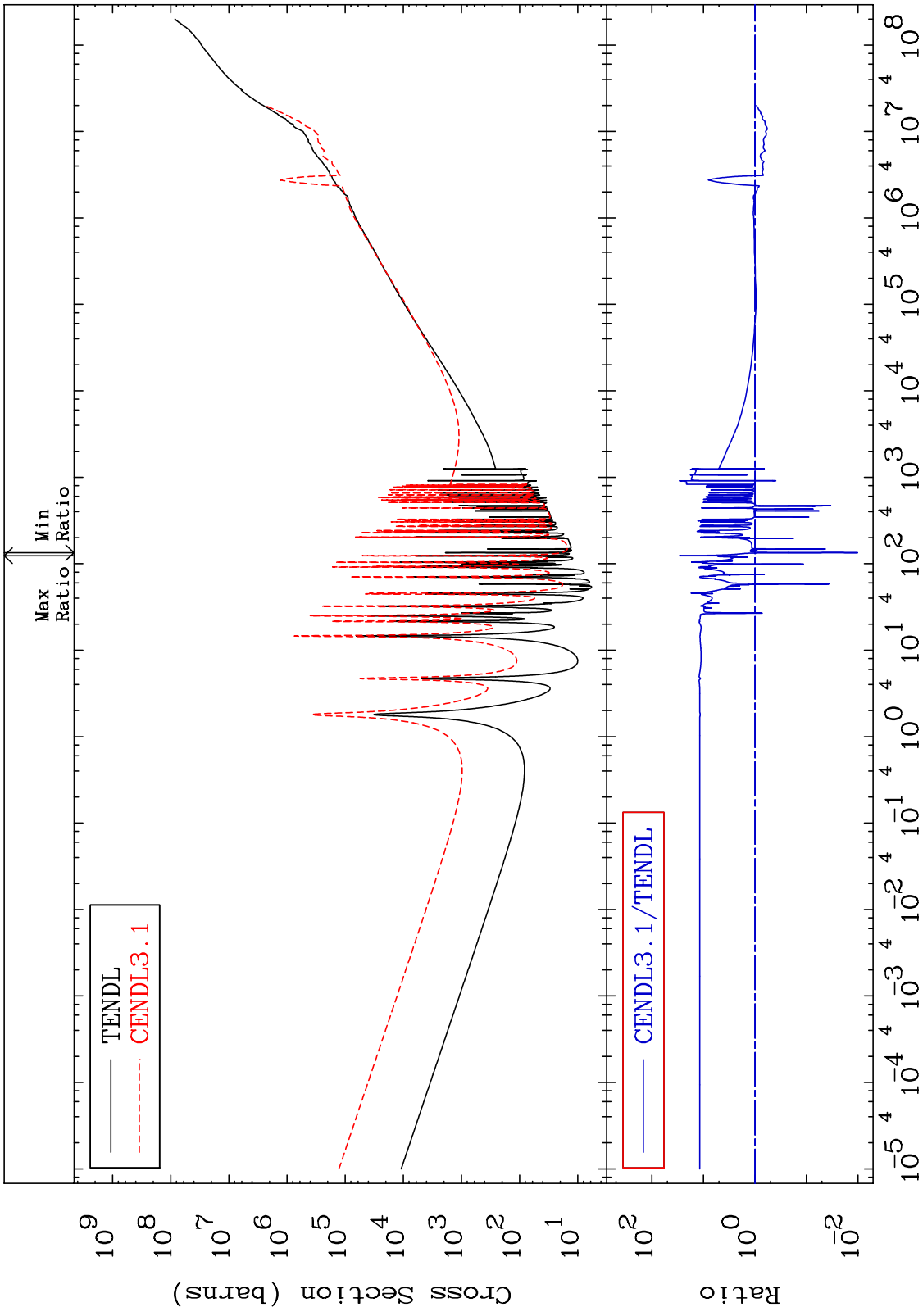


43

Incident Energy (eV)

49-In-113

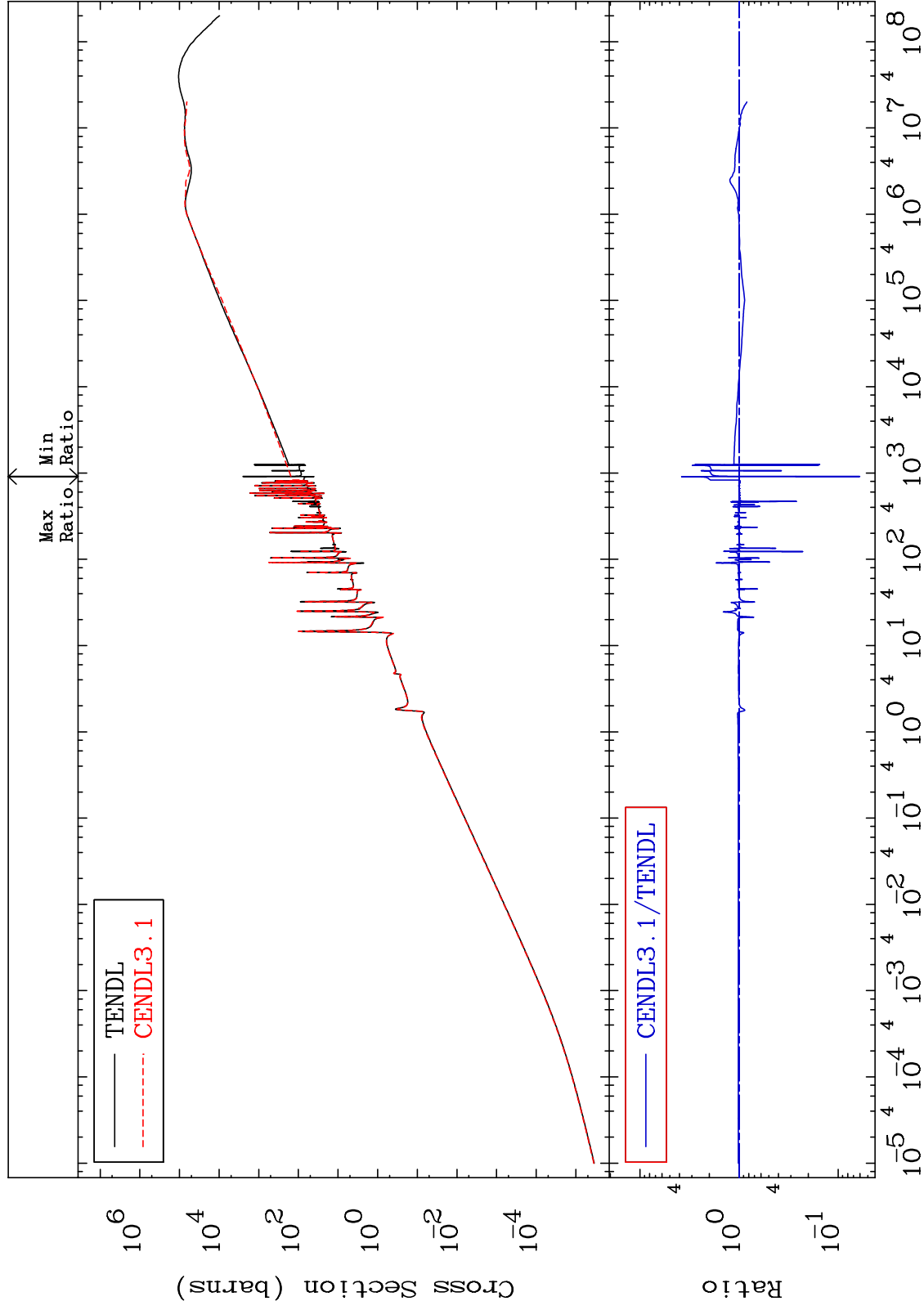
MAT 4925 Kerma total (eV-barns) 49-In-113  
 Cross Section -98.99 To 2881. %



MAT 4925

Kerma elastic  
Cross Section

49-In-113  
-93.96 To 281.7 %

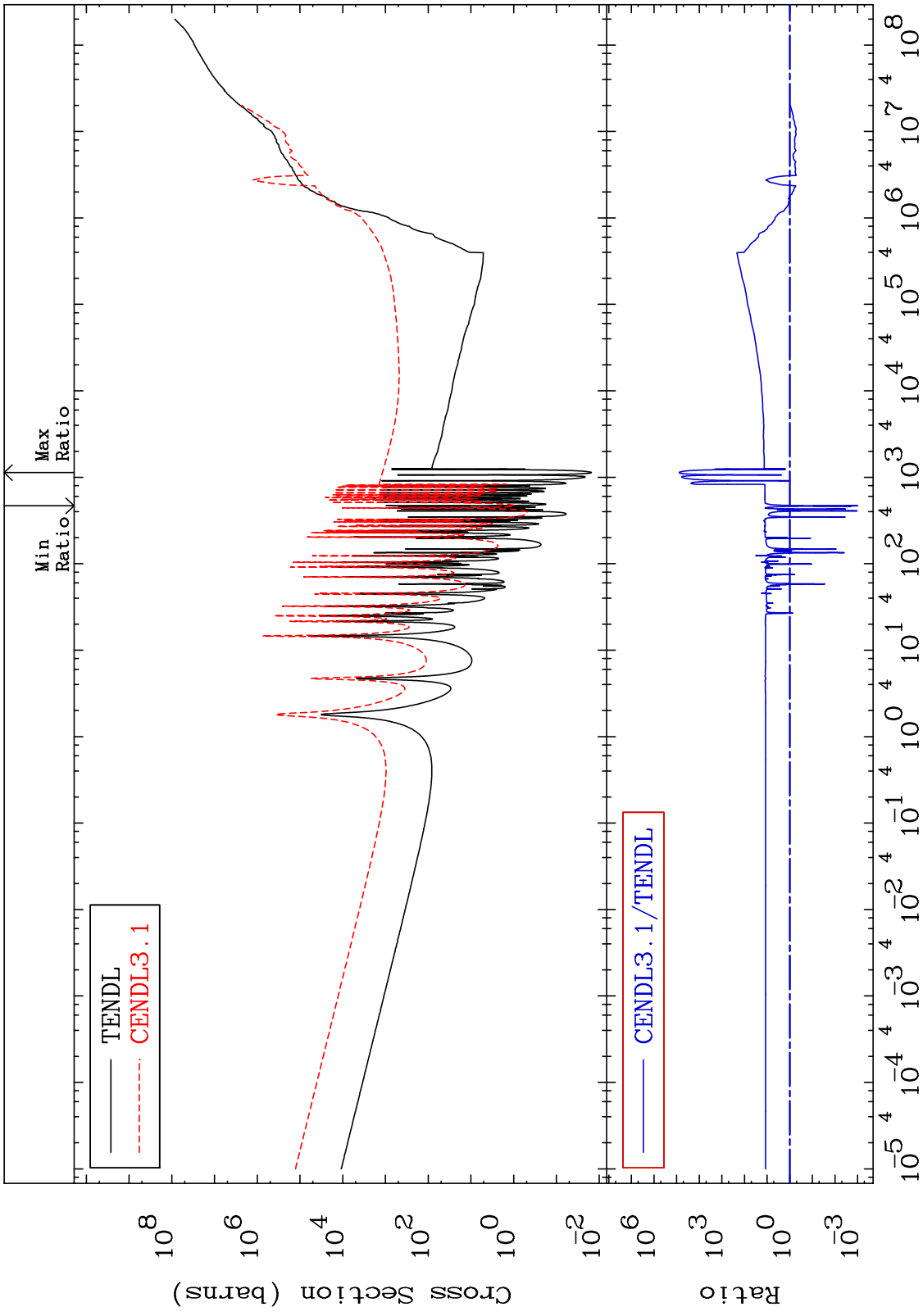


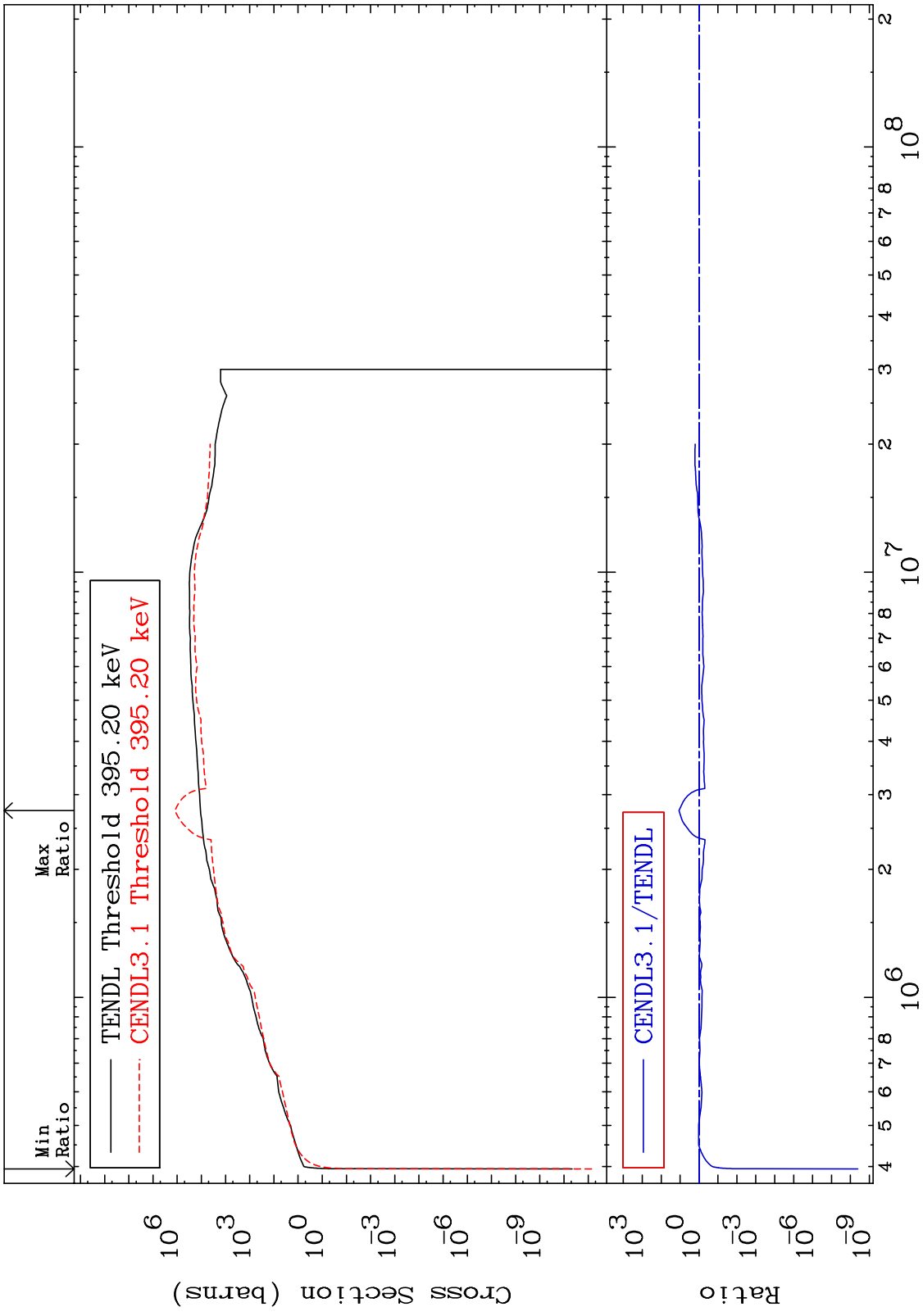
45

Incident Energy (eV)

49-In-113

MAT 4925 Kerma non-elastic (all but mt2) 49-In-113  
 -99.90 To 9999. %  
 Cross Section



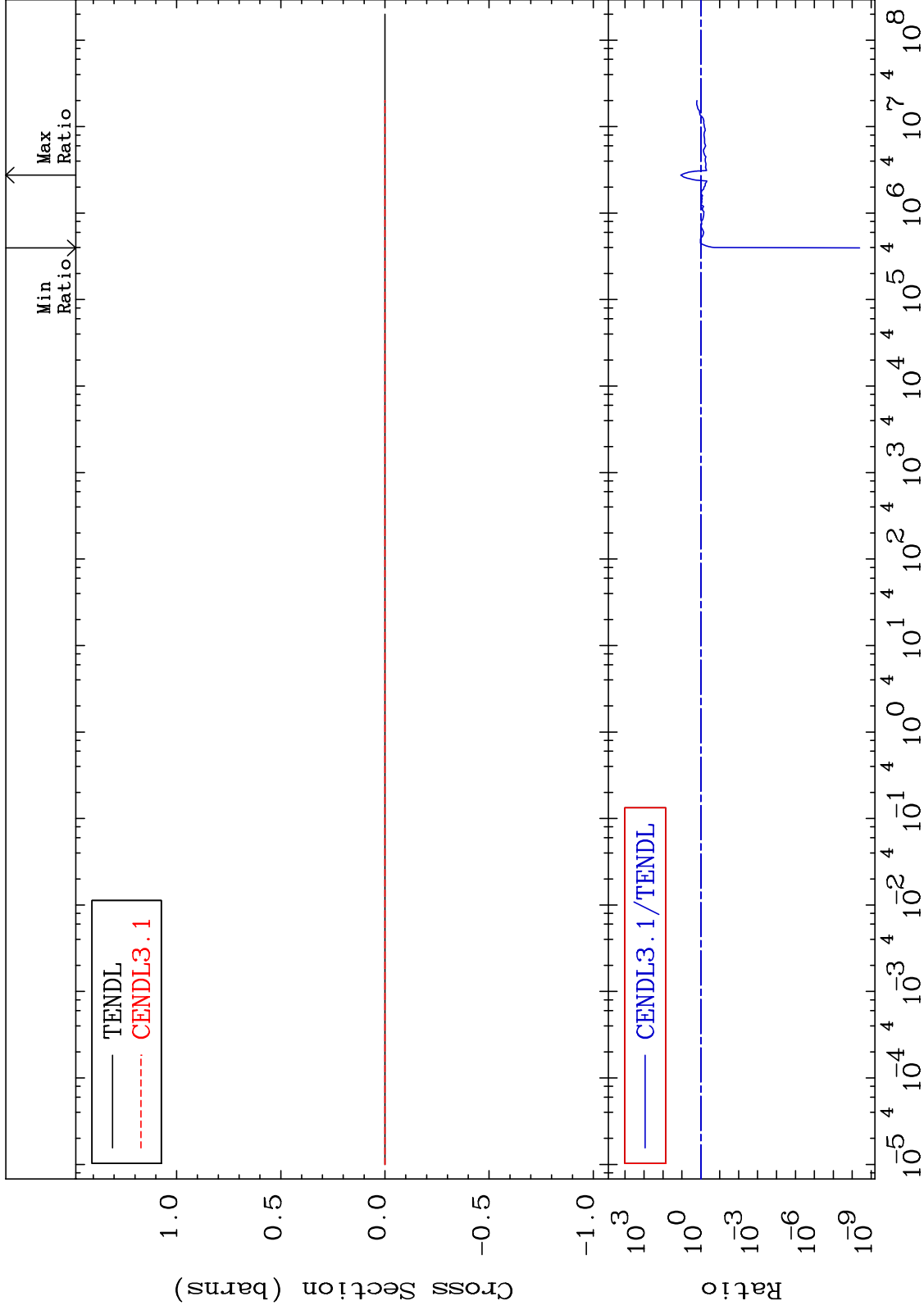




MAT 4925

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

49-In-113  
-100.0 To 1039. %



48

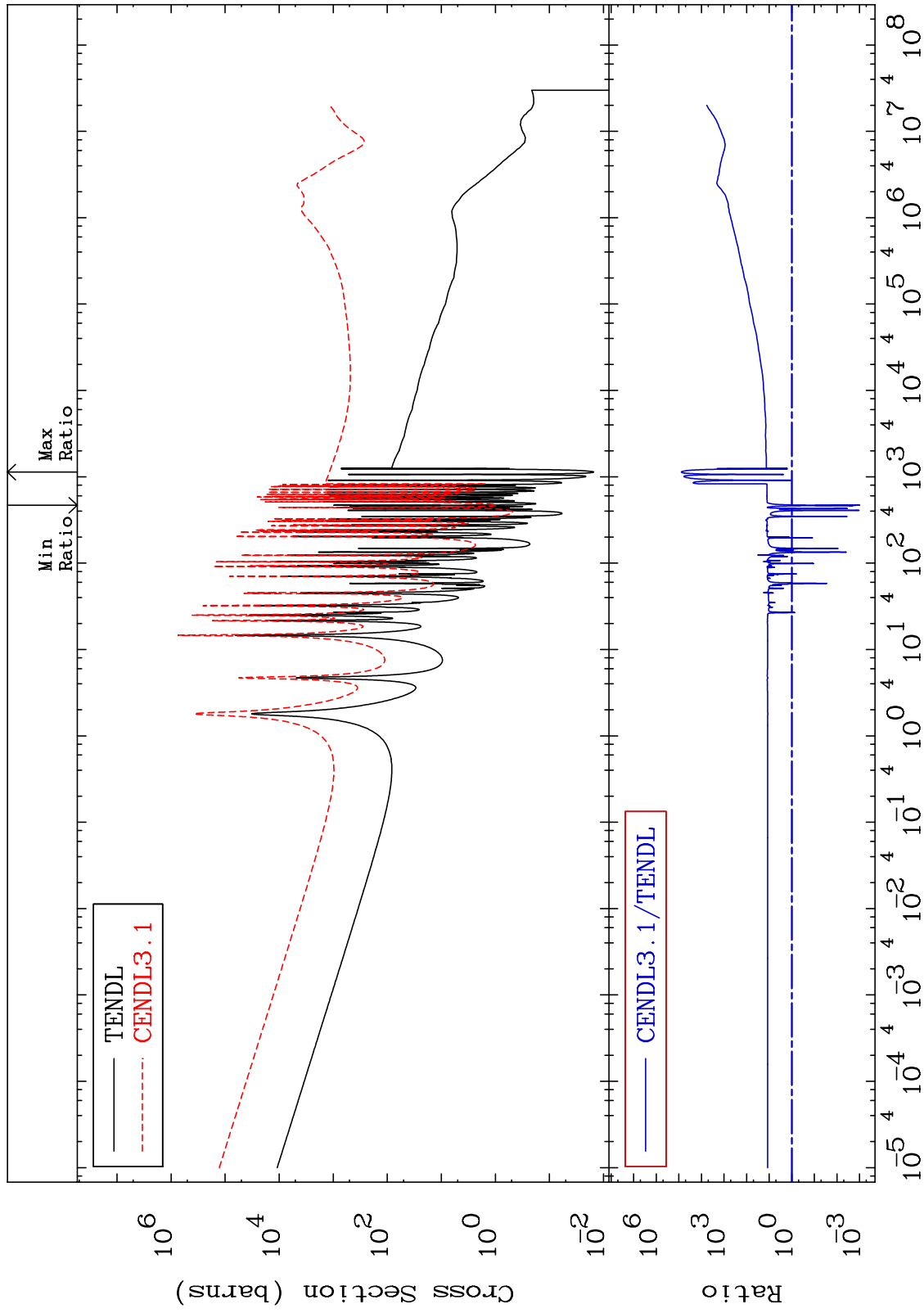
Incident Energy (eV)

49-In-113

MAT 4925

Kerma capture (mt102)  
Cross Section

49-In-113  
-99.90 To 9999. %



49

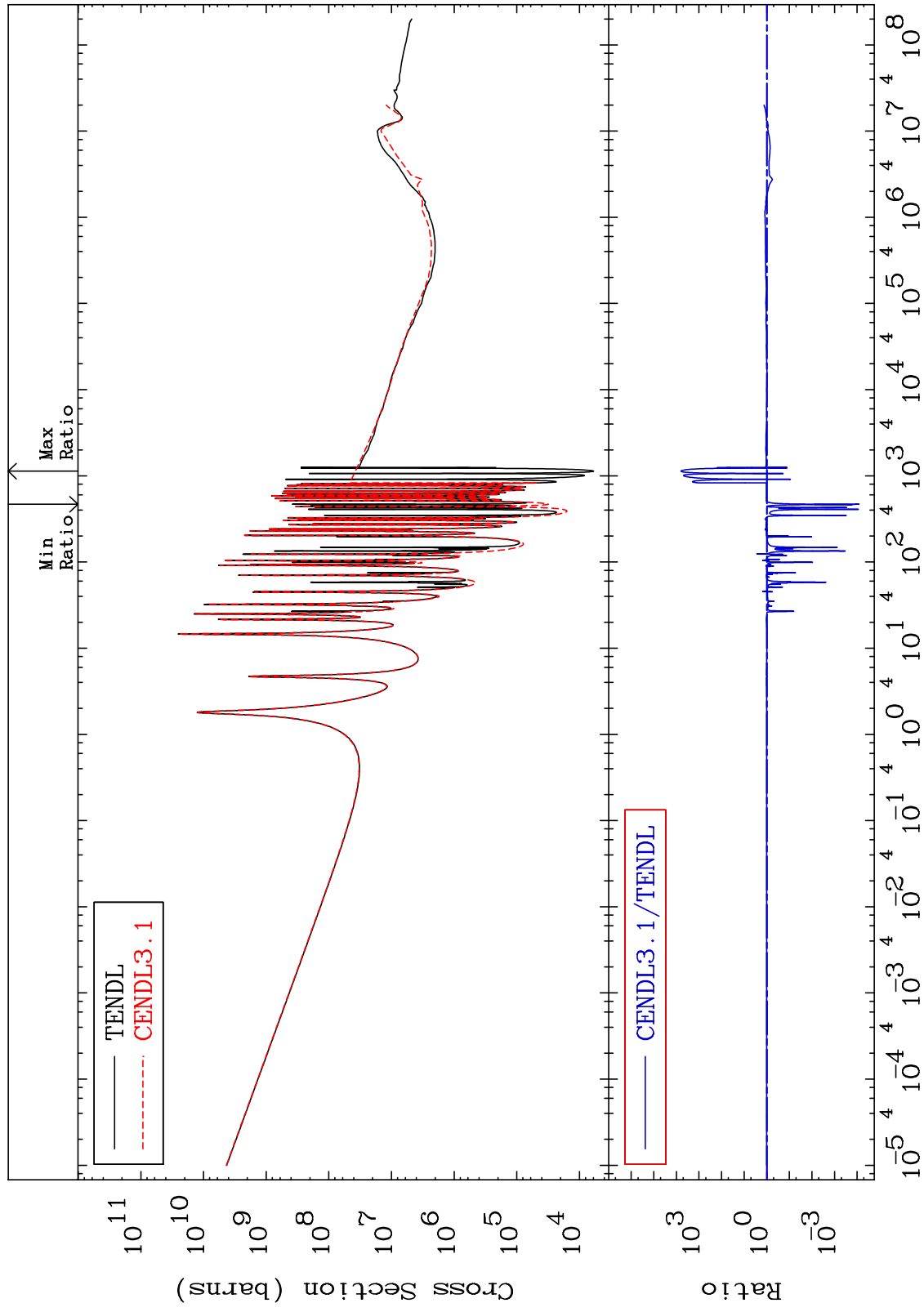
Incident Energy (eV)

49-In-113

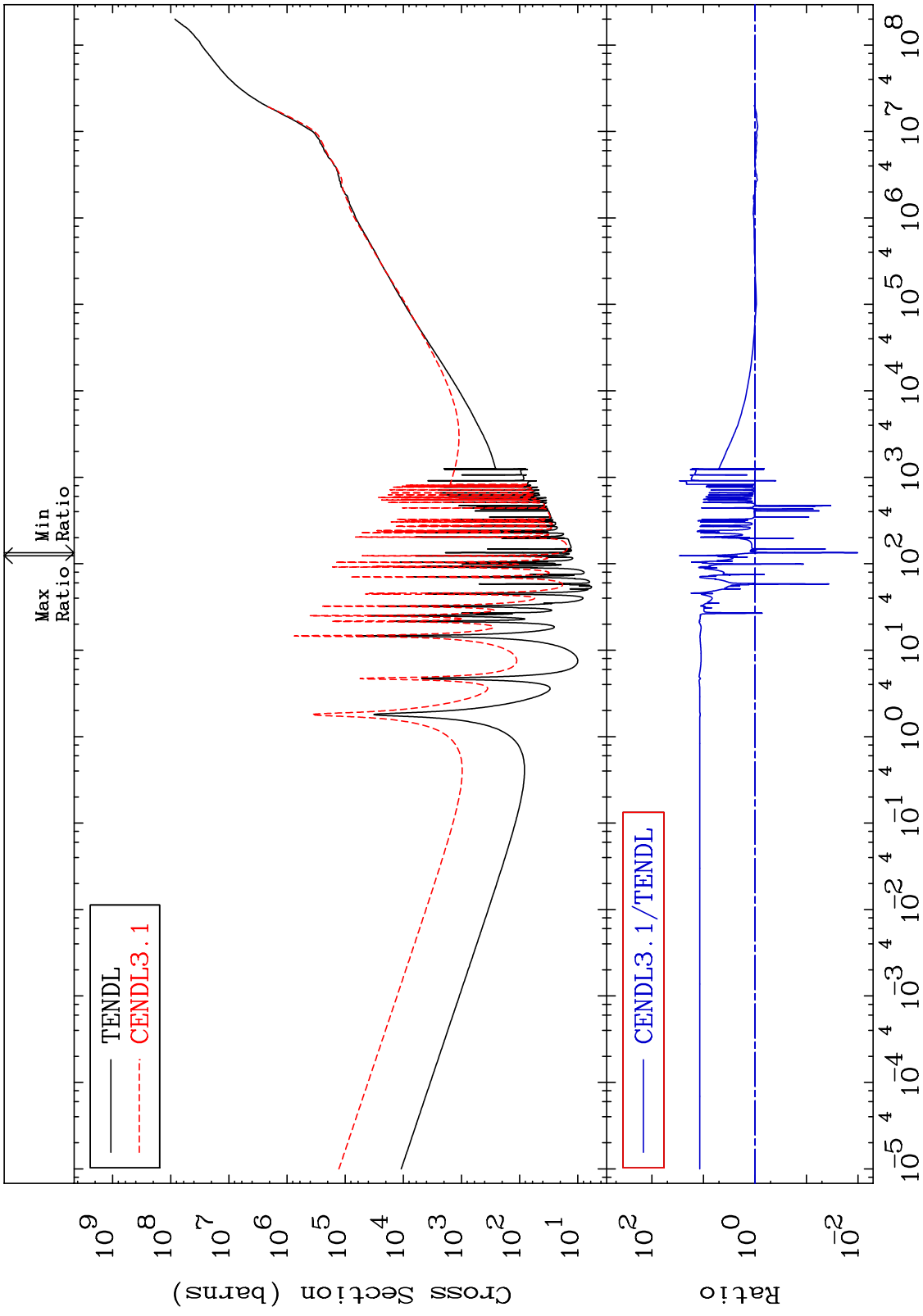
MAT 4925

Total photon (eV-barns)  
Cross Section

49-In-113  
-99.99 To 9999. %



MAT 4925      Total kinematic kerma (high limit)      49-In-113  
 -98.99 To 2881. %  
 Cross Section

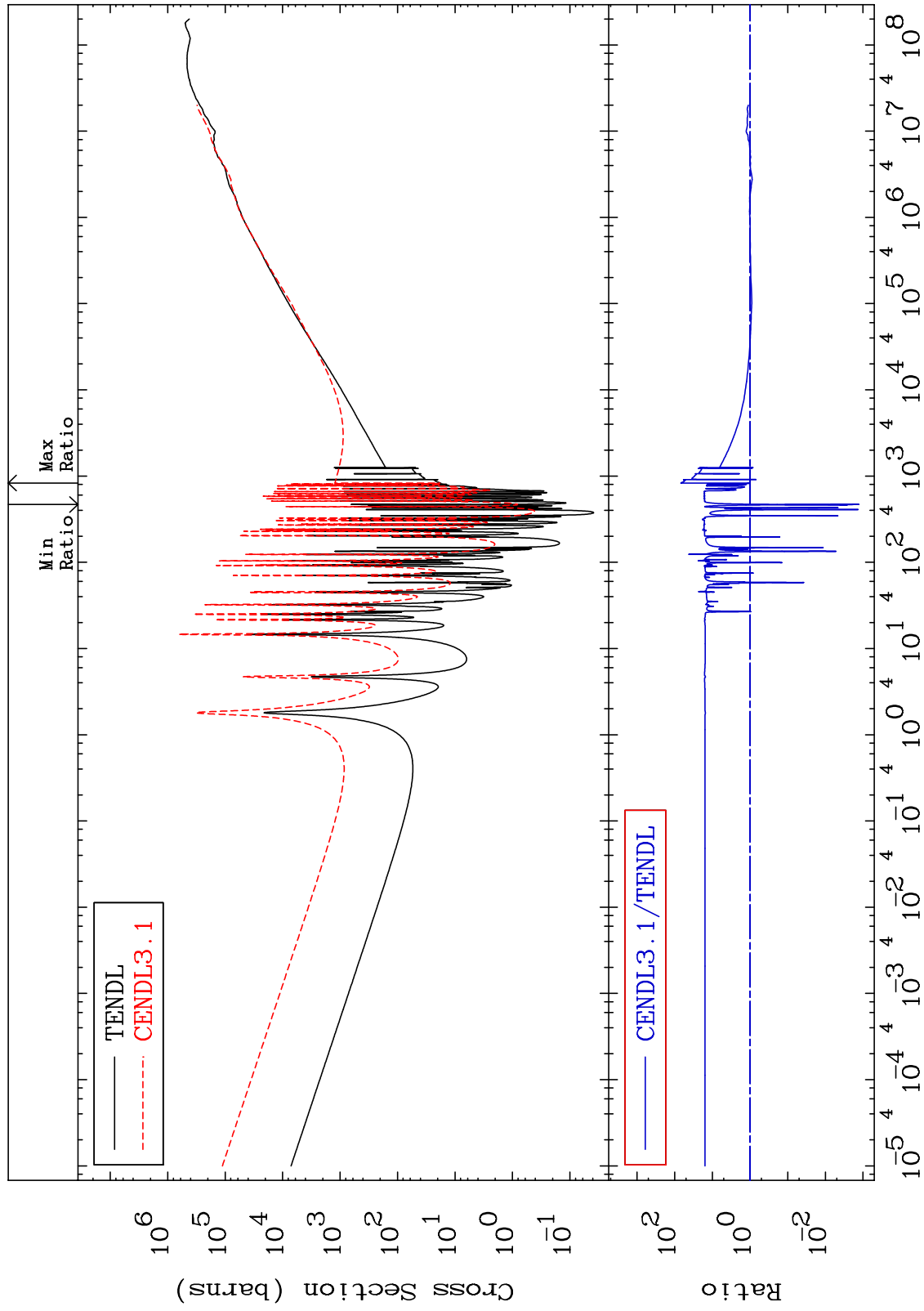


51      Incident Energy (eV)      49-In-113

MAT 4925

Dpa total (eV-barns)  
Cross Section

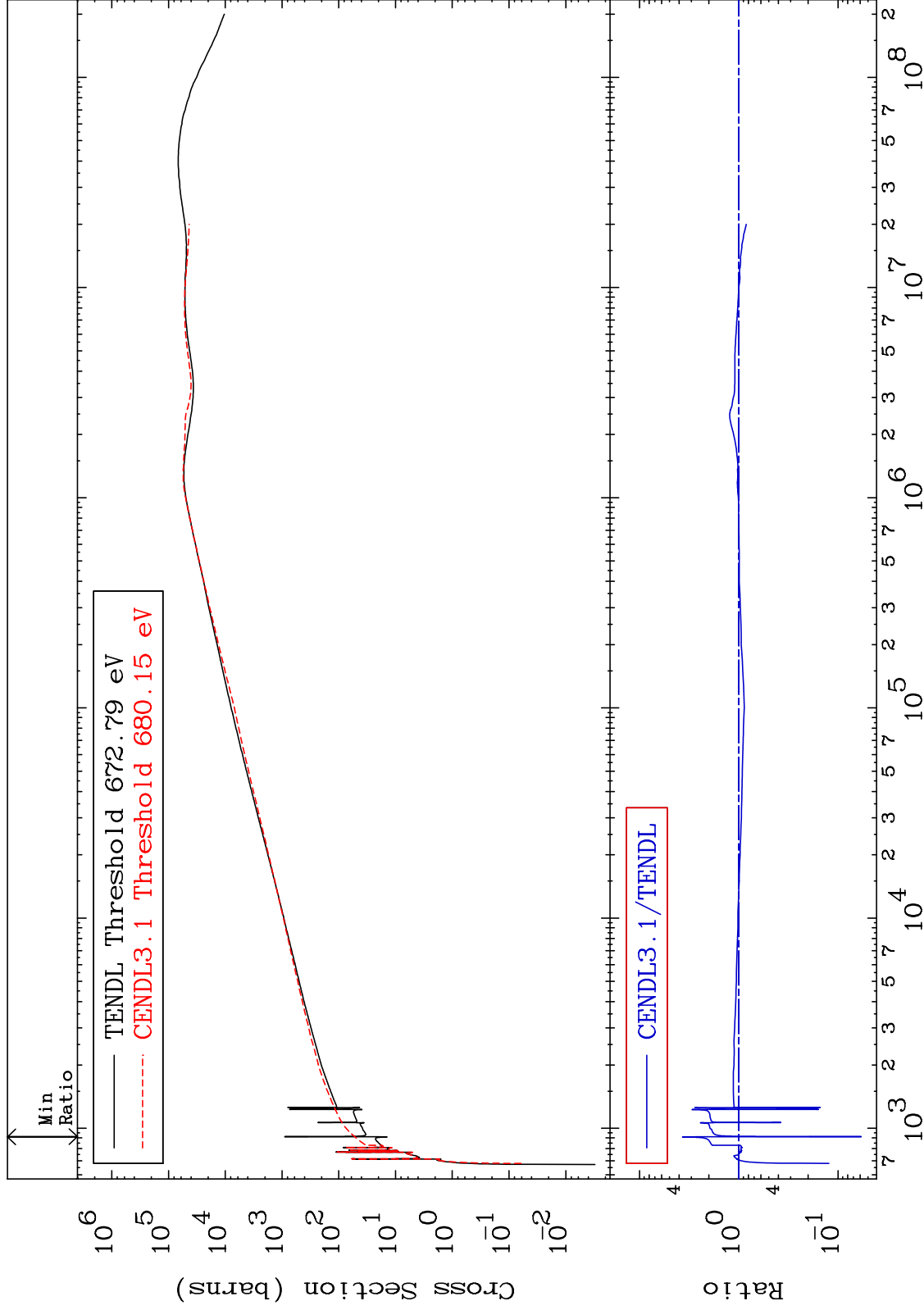
49-In-113  
-99.87 To 6752. %



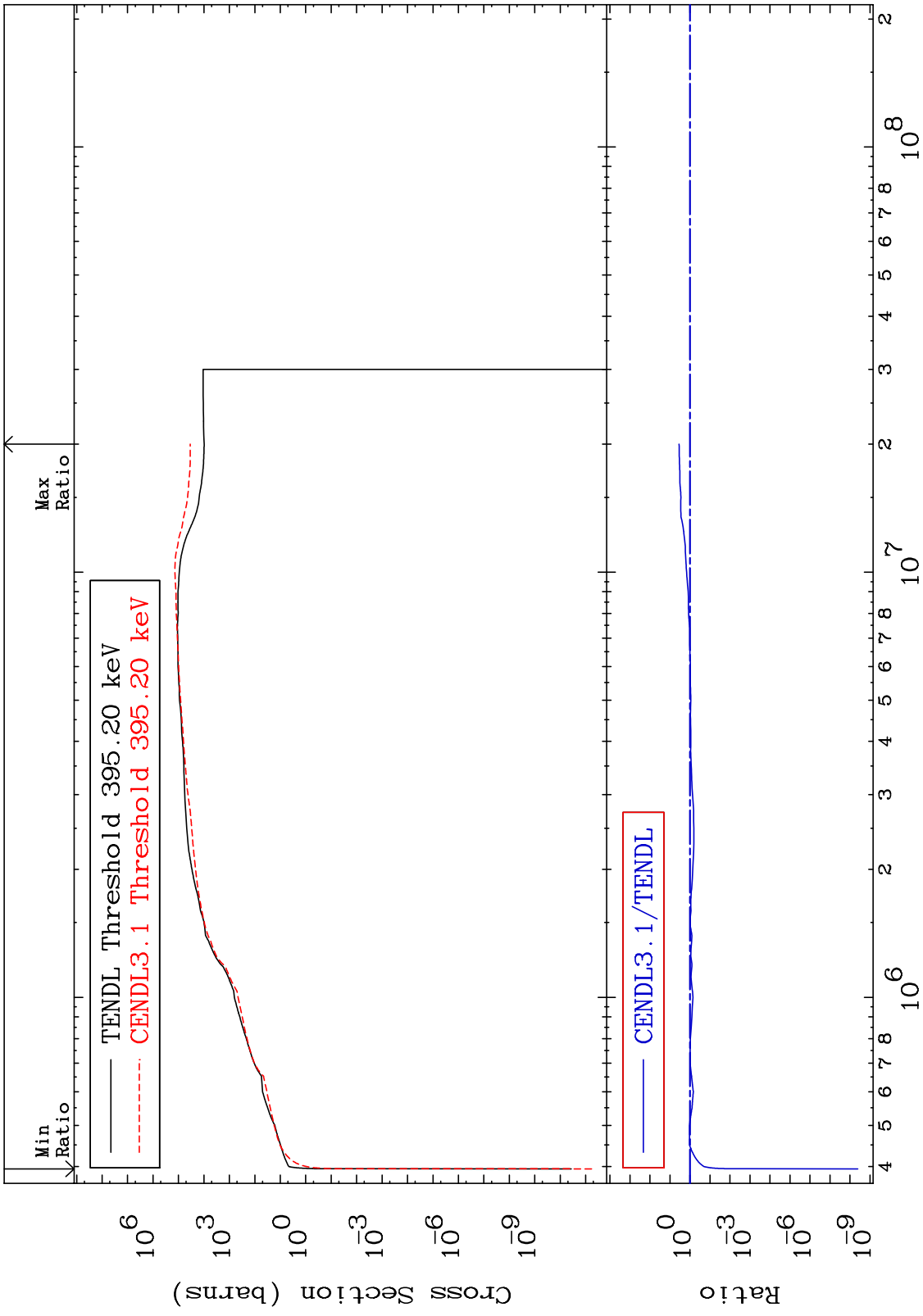
MAT 4925

Dpa elastic (mt2)  
Cross Section

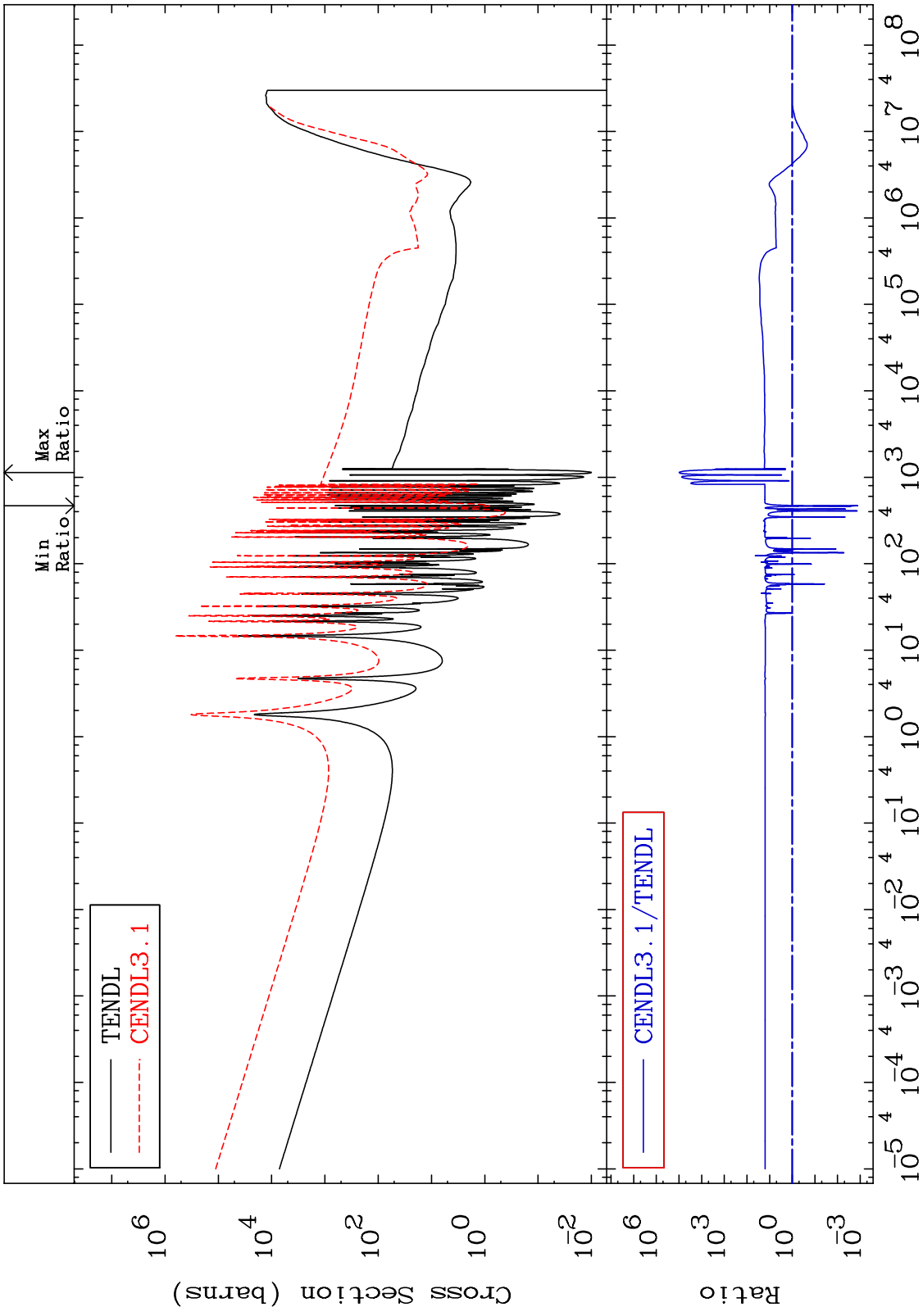
49-In-113  
-94.16 To 269.3 %



MAT 4925      Dpa inelastic (mt51-91)      49-In-113  
 Cross Section      -100.0 To 250.5 %

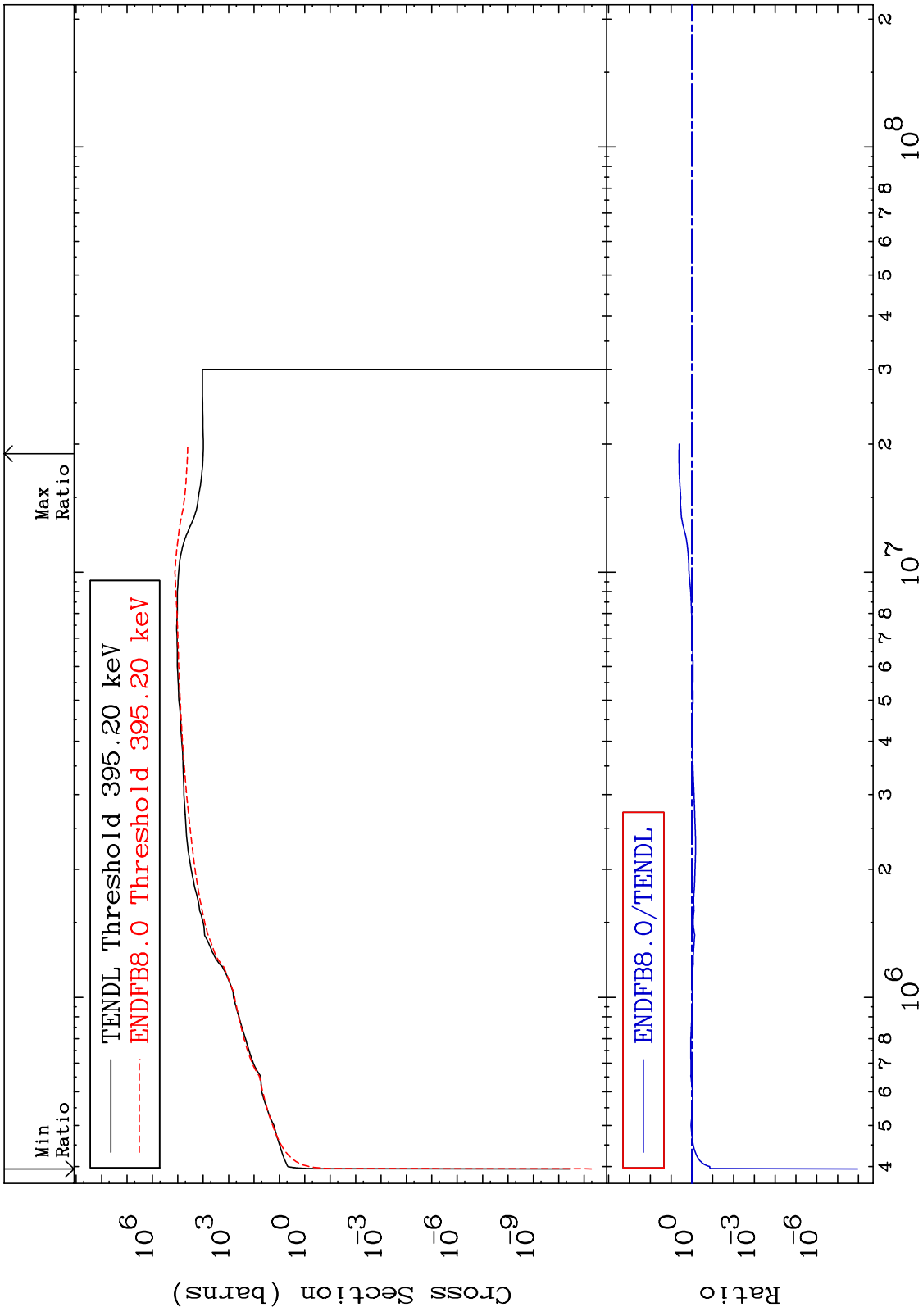


MAT 4925      Dpa disappearance (mt102 -120)      49-In-113  
 Cross Section      -99.87 To 9999. %





MAT 4925      Dpa inelastic (mt51-91)      49-In-113  
 Cross Section      -100.0 To 314.4 %



MAT 4925

Dpa disappearance (mt102 -120)  
Cross Section

49-In-113  
-79.41 To 9999. %

