

Program Complot  
(Version 2018-1)

by

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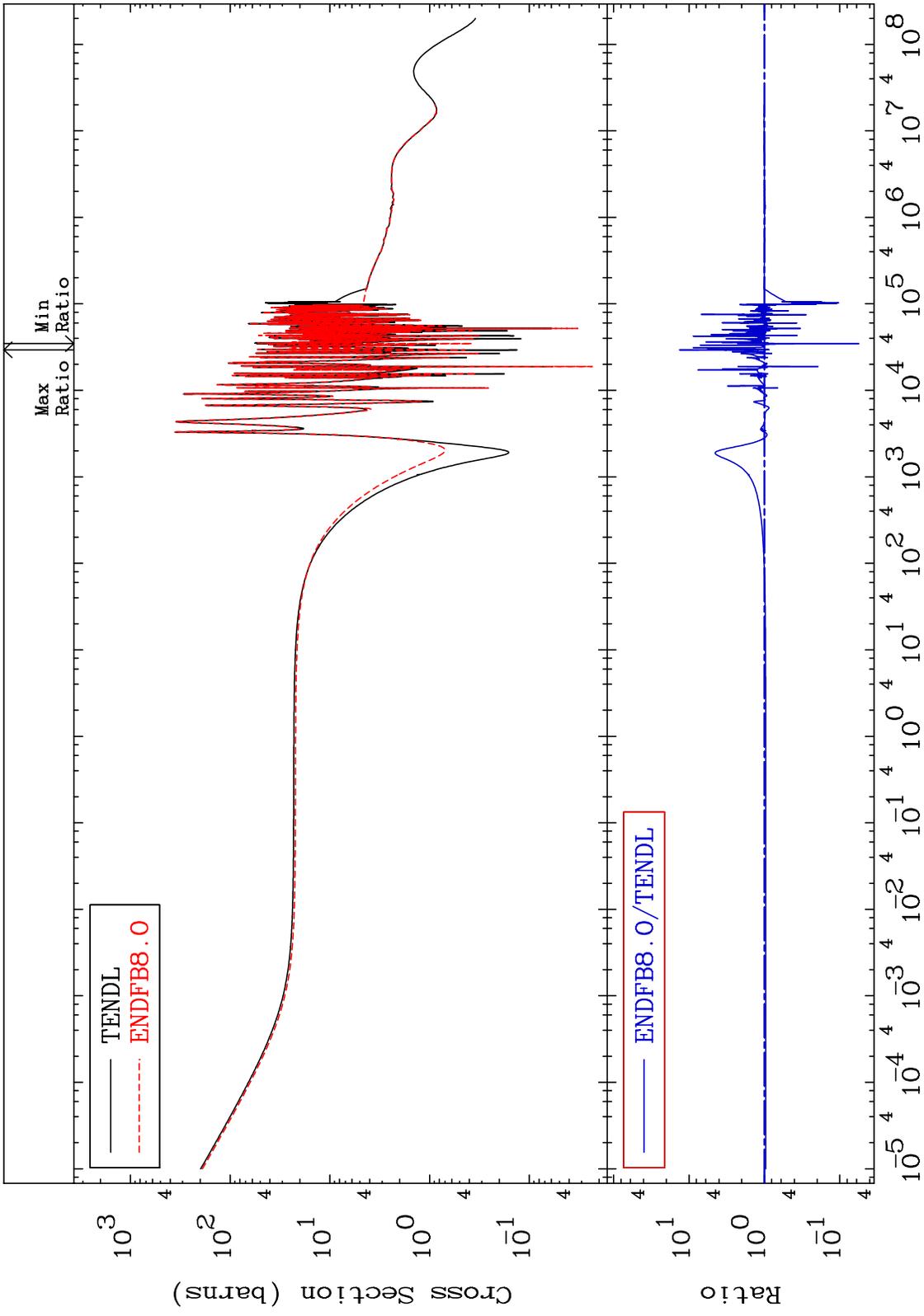
Tele: 925-443-1911

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

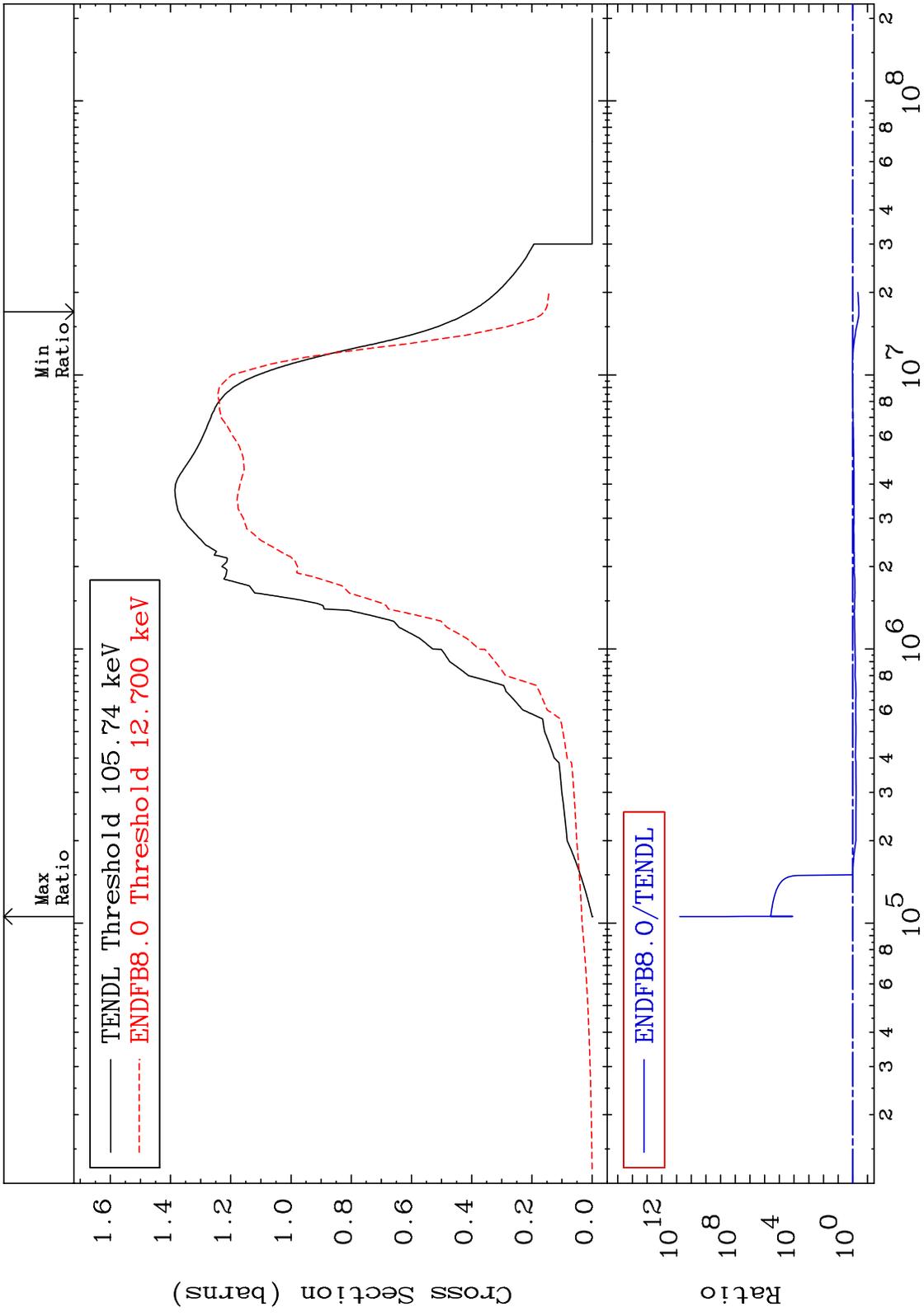
Press Mouse Button to Start



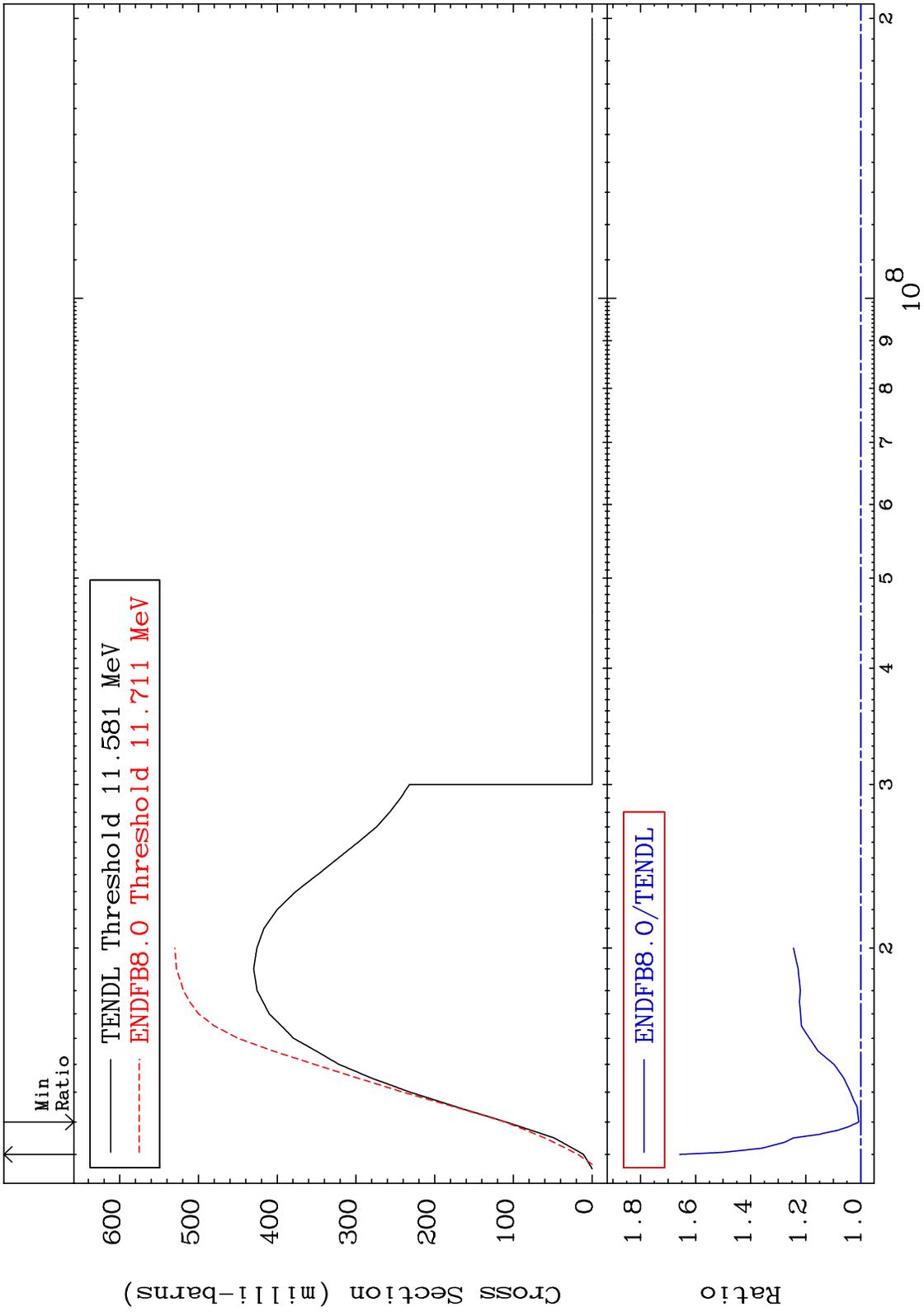
MAT 2125 Elastic Cross Section 21-Sc-45 -94.41 To 1228. %



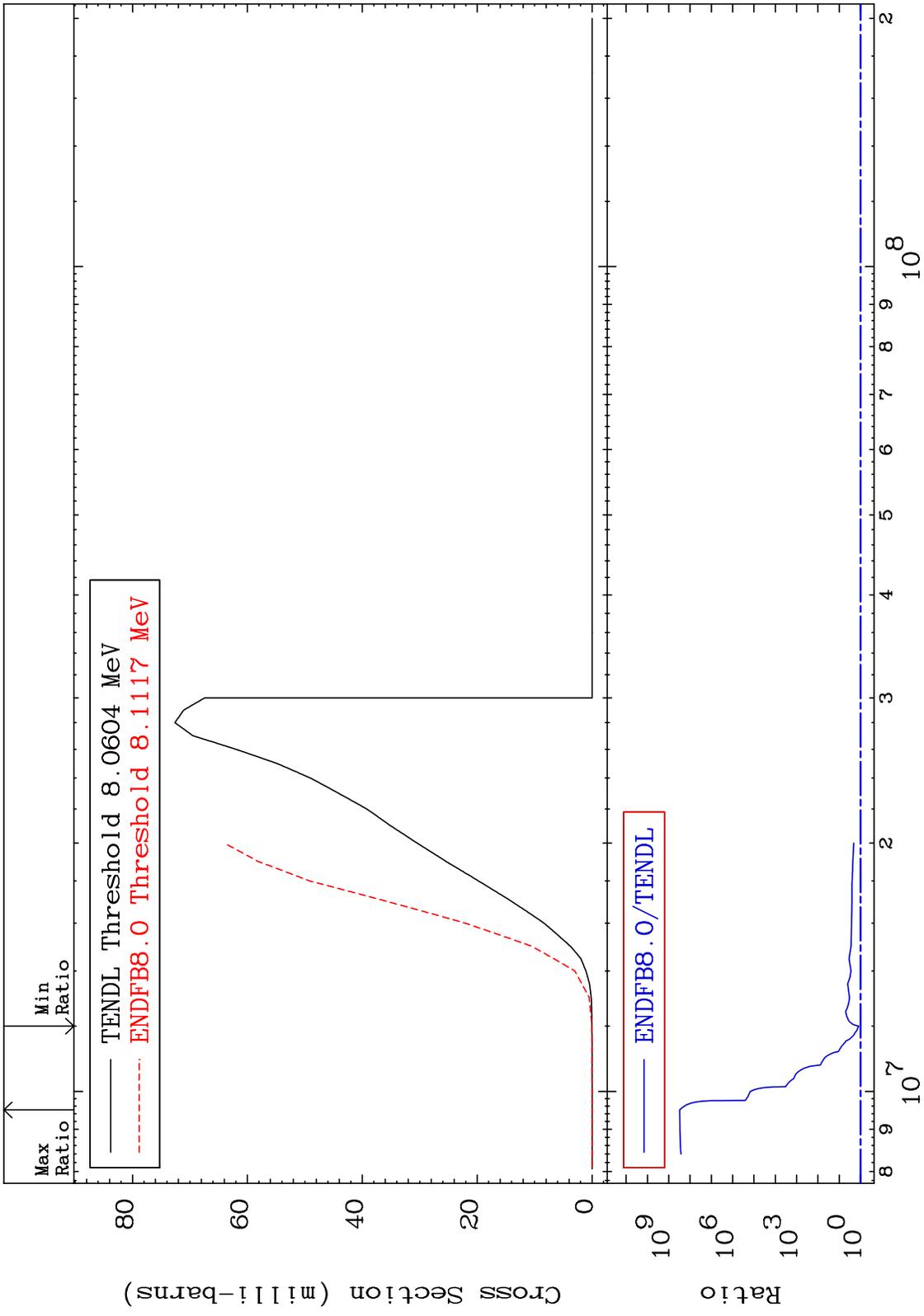
MAT 2125 Inelastic Cross Section 21-Sc-45 -60.81 To 9999. %



MAT 2125 (n,2n) Cross Section 21-Sc-45 0.729 To 65.76 %

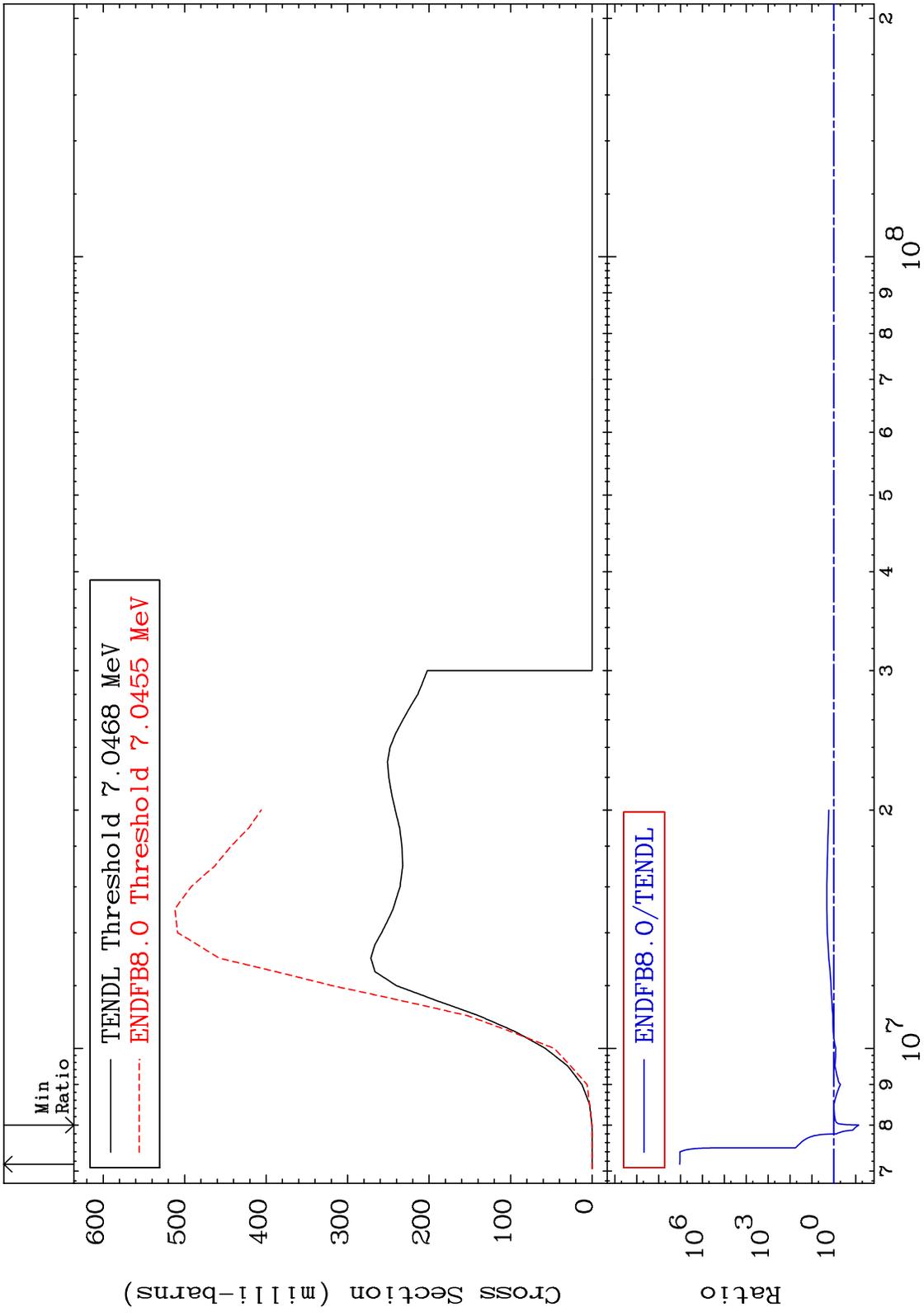


MAT 2125  $(n, n') \alpha$  21-Sc-45  
 Cross Section 20.47 To 9999. %



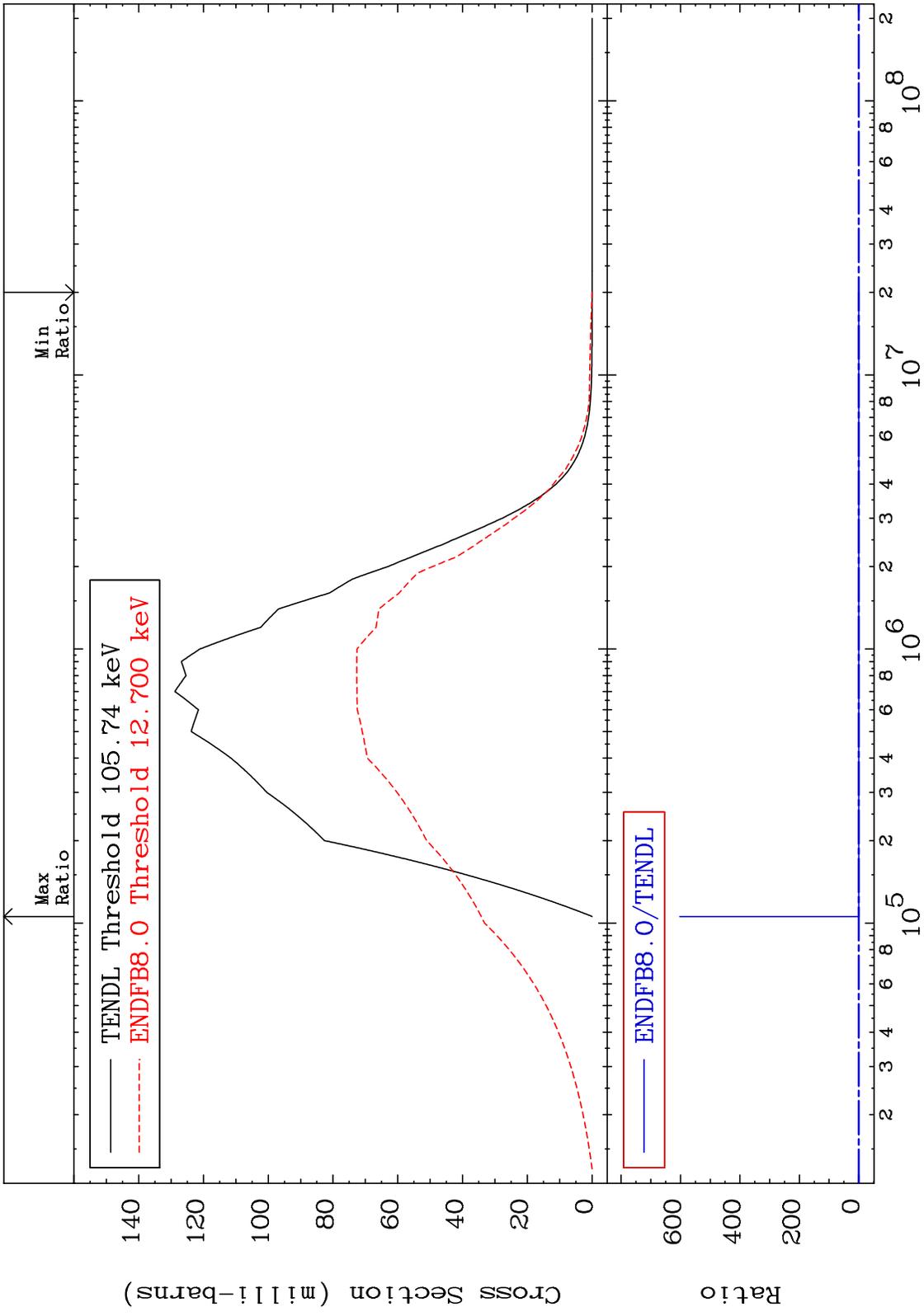
5 Incident Energy (eV) 21-Sc-45

MAT 2125 (n,n') p 21-Sc-45  
Cross Section -92.83 To 9999. %



6 Incident Energy (eV) 21-Sc-45

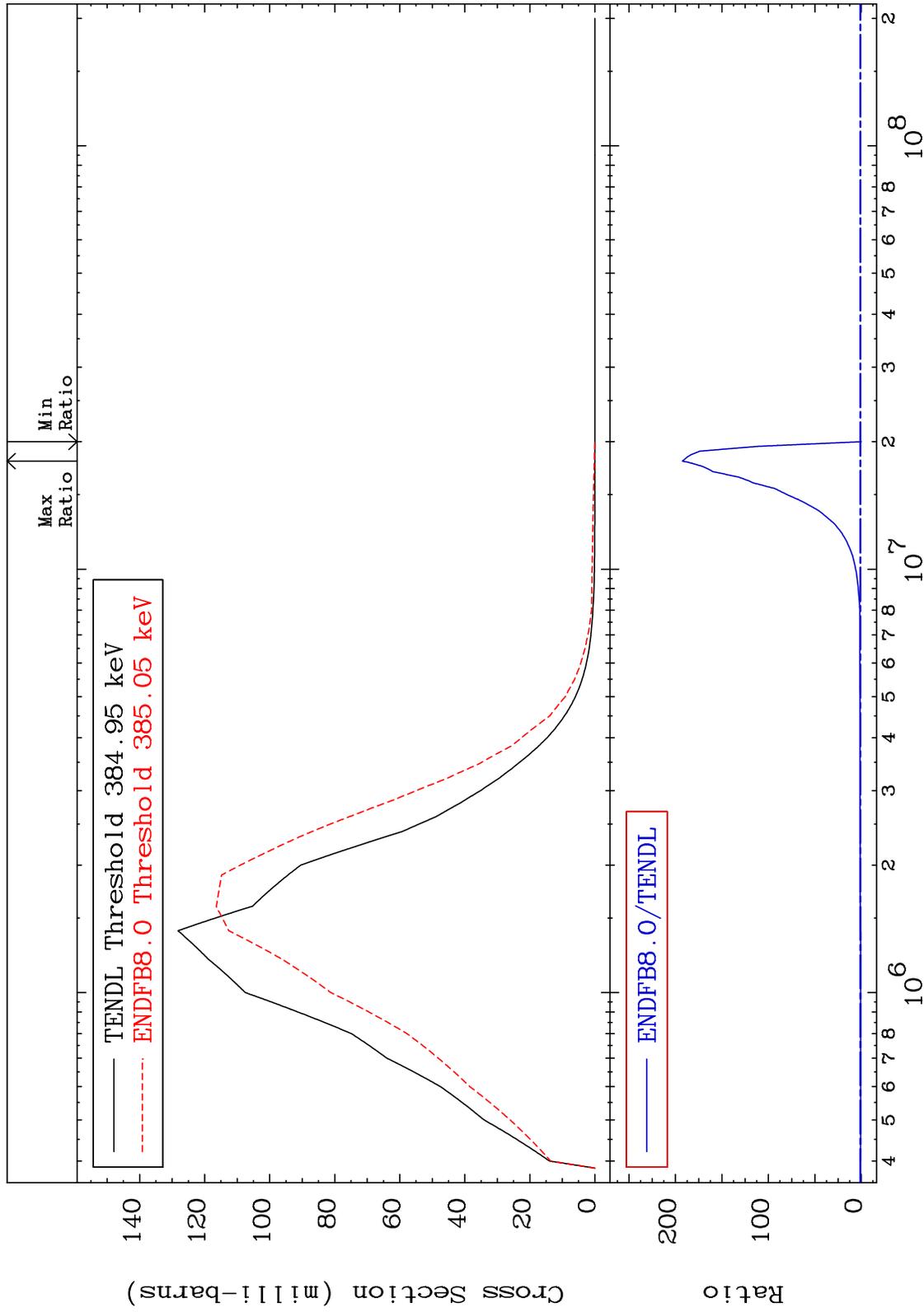
MAT 2125 MT= 51 (n,n') Level Cross Section -100.0 To 9999. % 21-Sc-45



MAT 2125

MT= 52 (n,n') Level  
Cross Section

21-Sc-45  
-100.0 To 9999. %

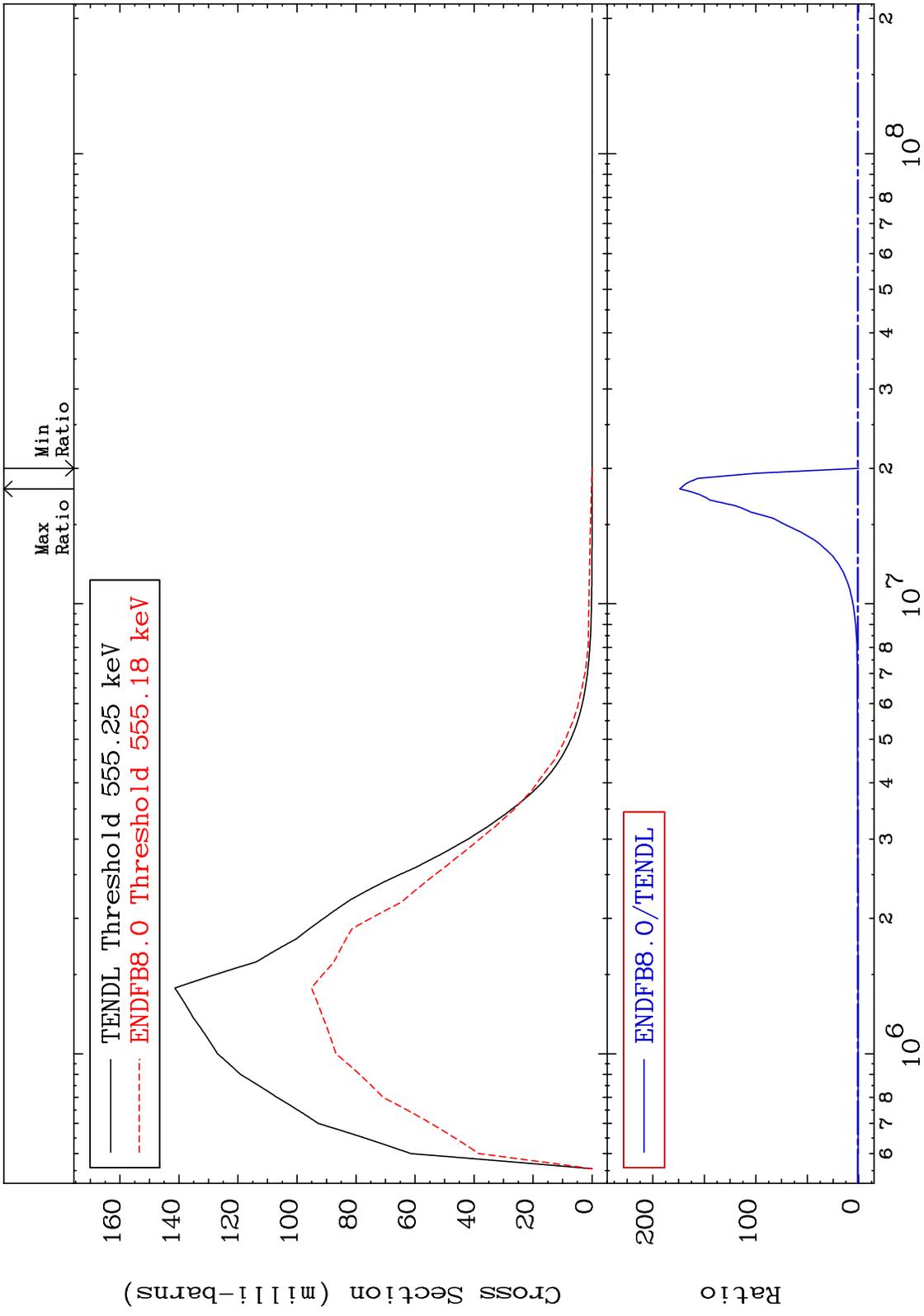


8

Incident Energy (eV)

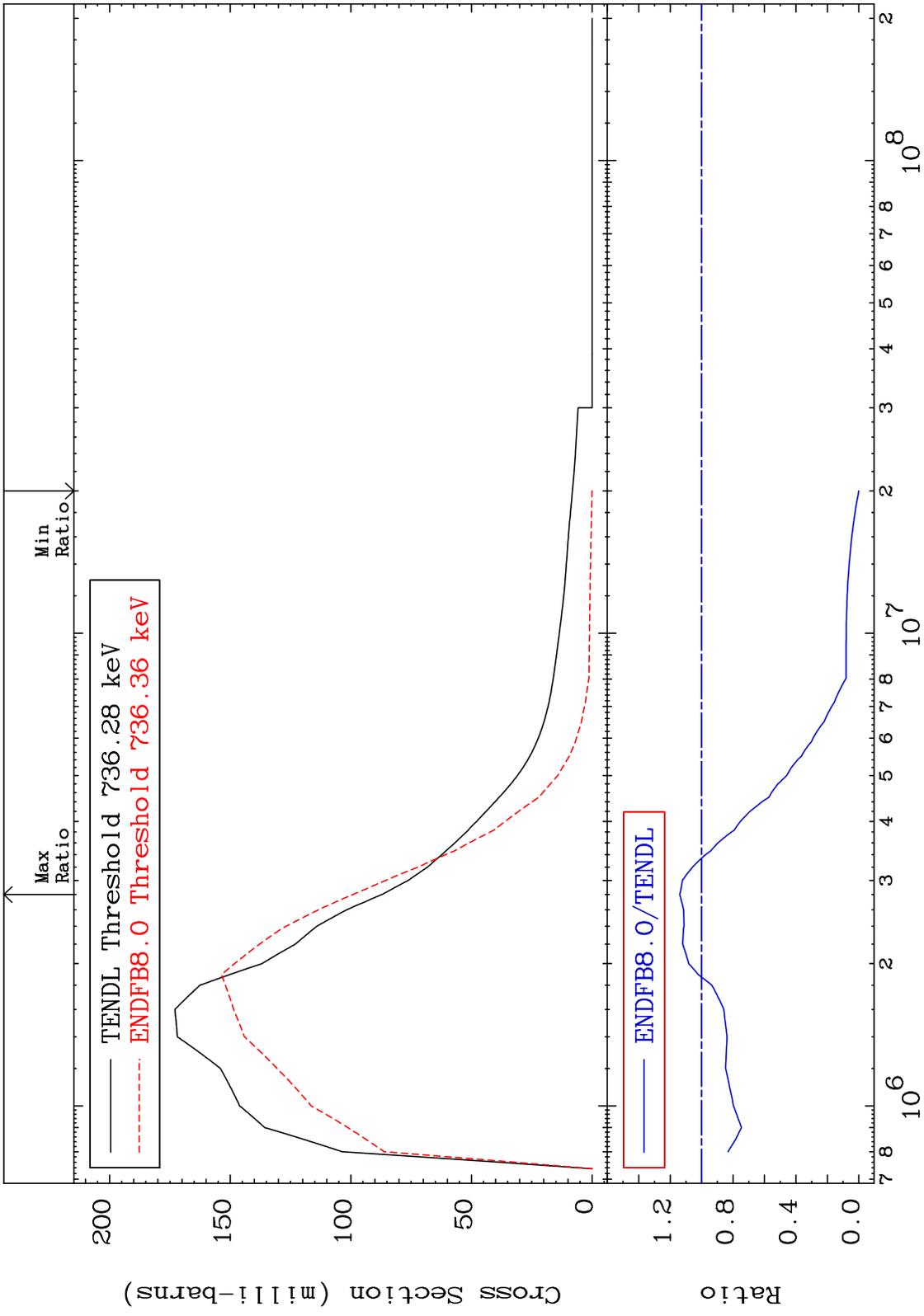
21-Sc-45

MAT 2125 MT= 53 (n,n') Level Cross Section -100.0 To 9999. % 21-Sc-45



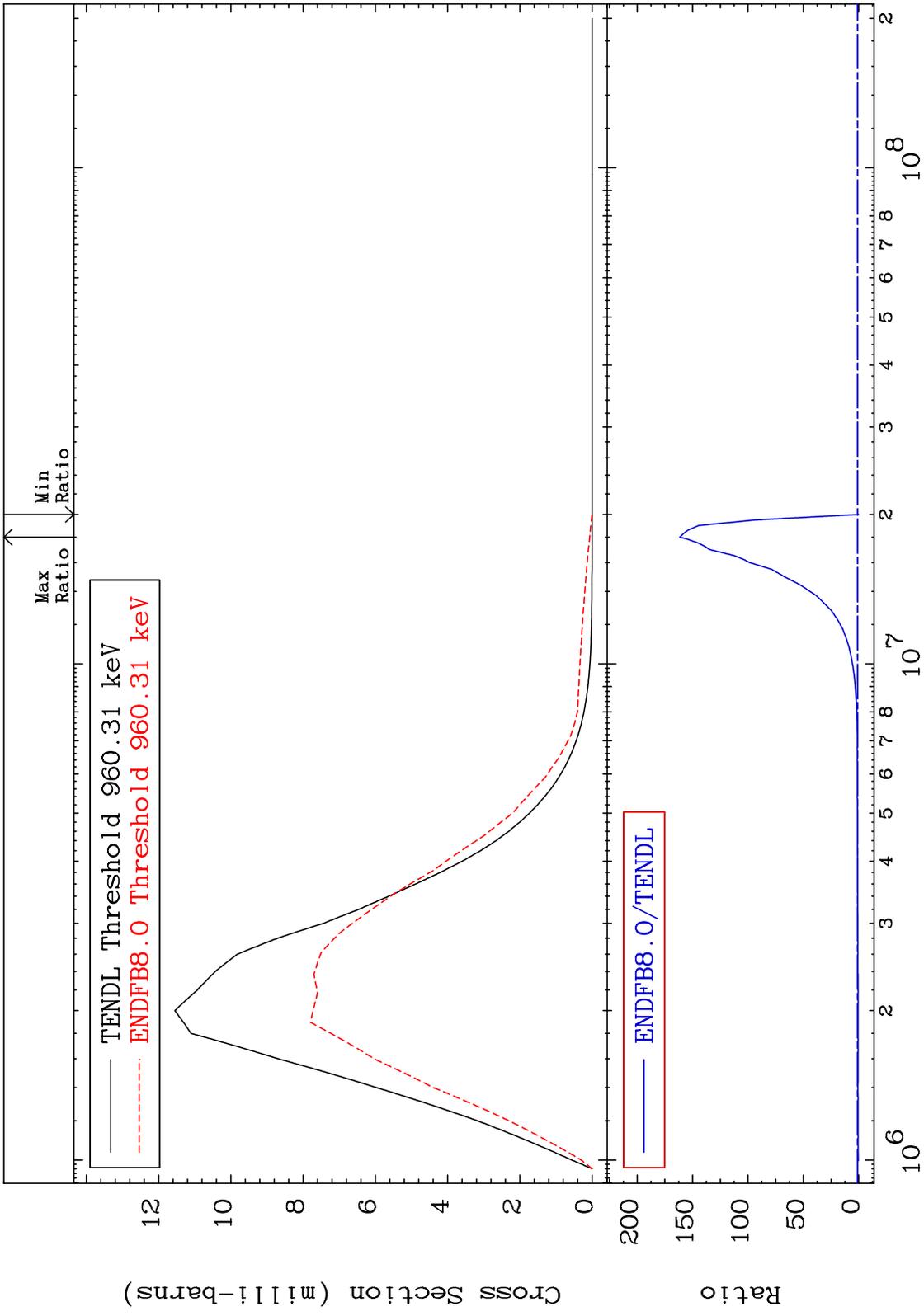
9 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 54 (n,n') Level Cross Section -100.0 To 13.93 % 21-Sc-45



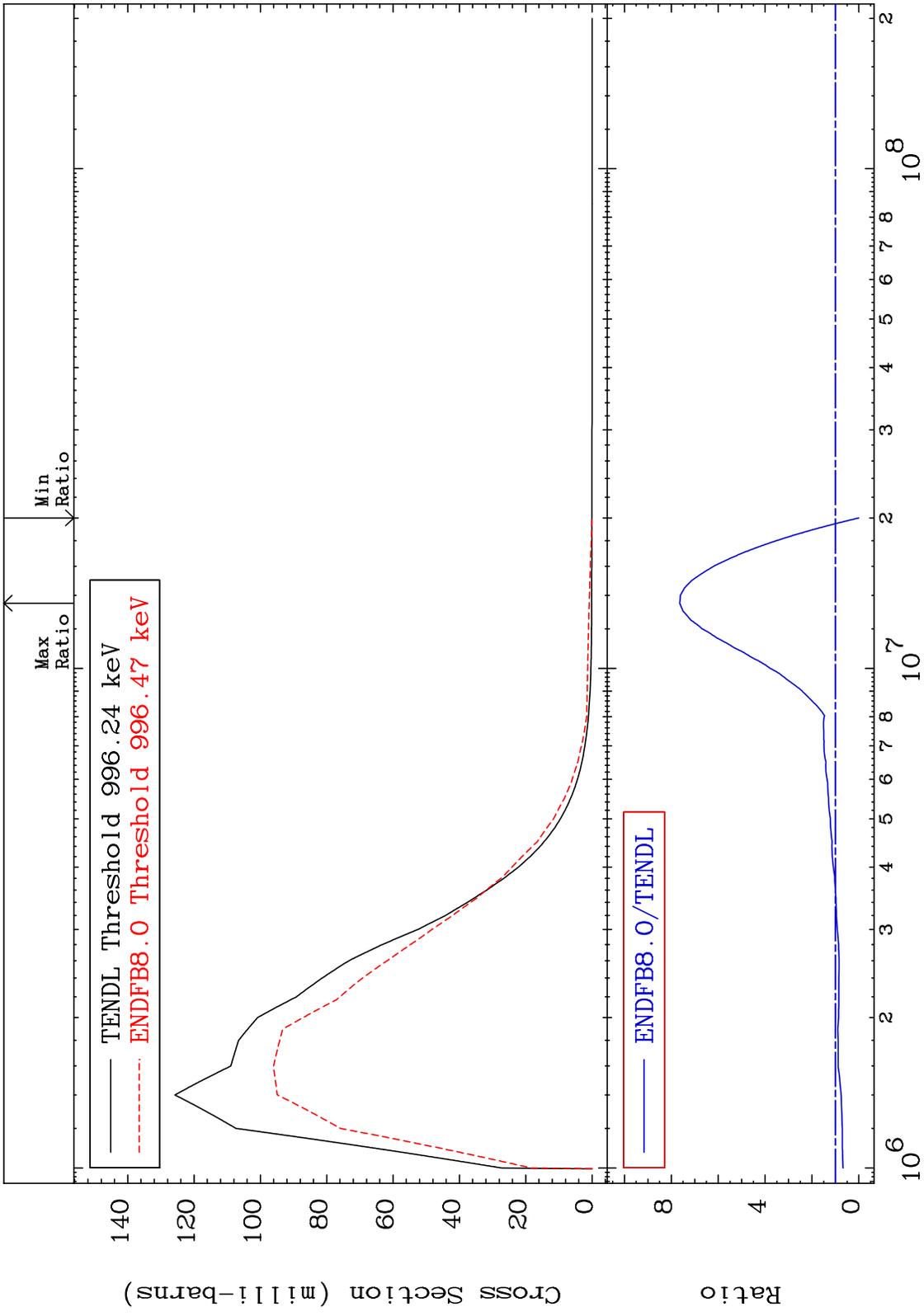
21-Sc-45

MAT 2125 MT= 55 (n,n') Level Cross Section -100.0 To 9999. % 21-Sc-45



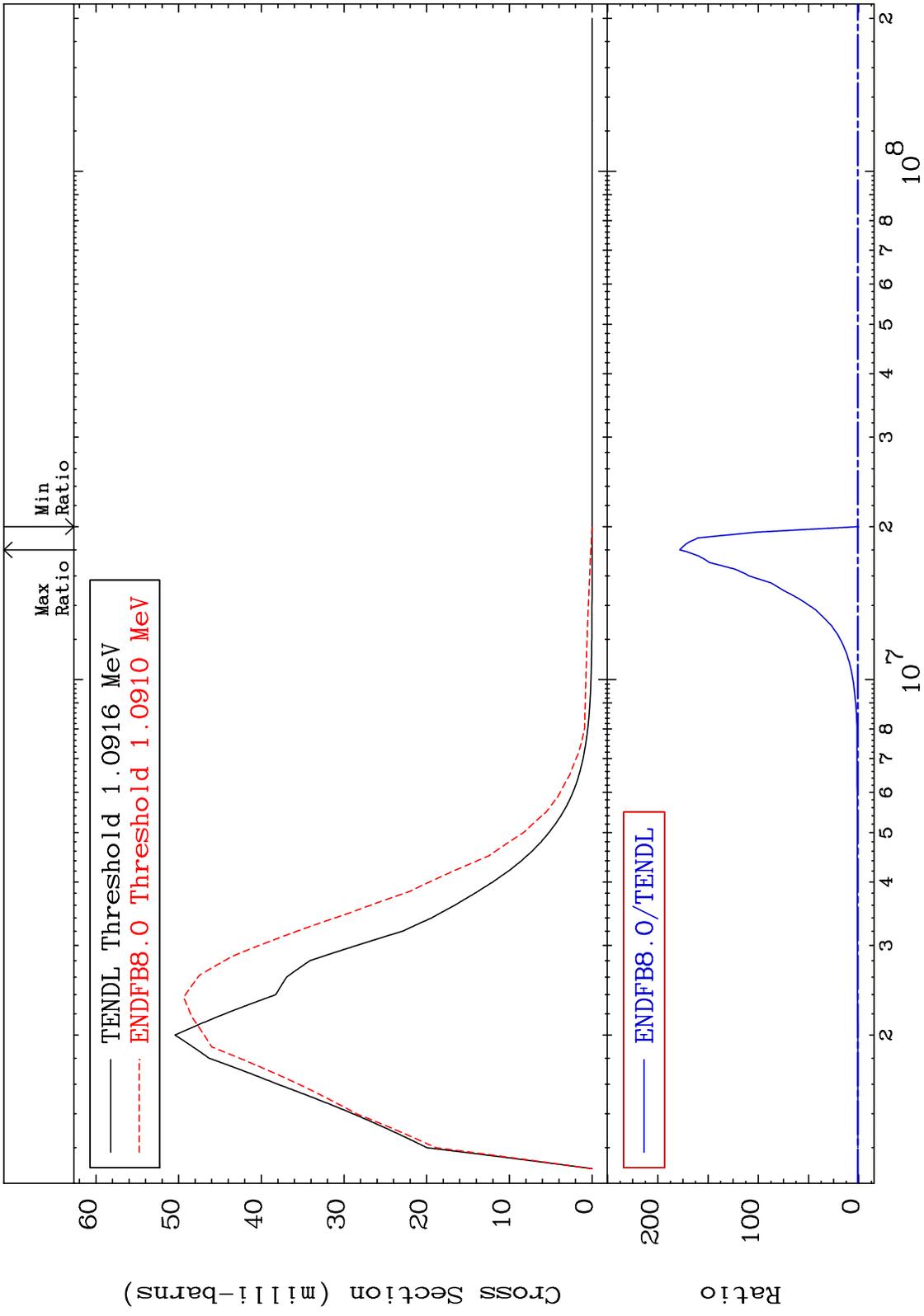
11 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 56 (n,n') Level Cross Section -100.0 To 664.2 % 21-Sc-45

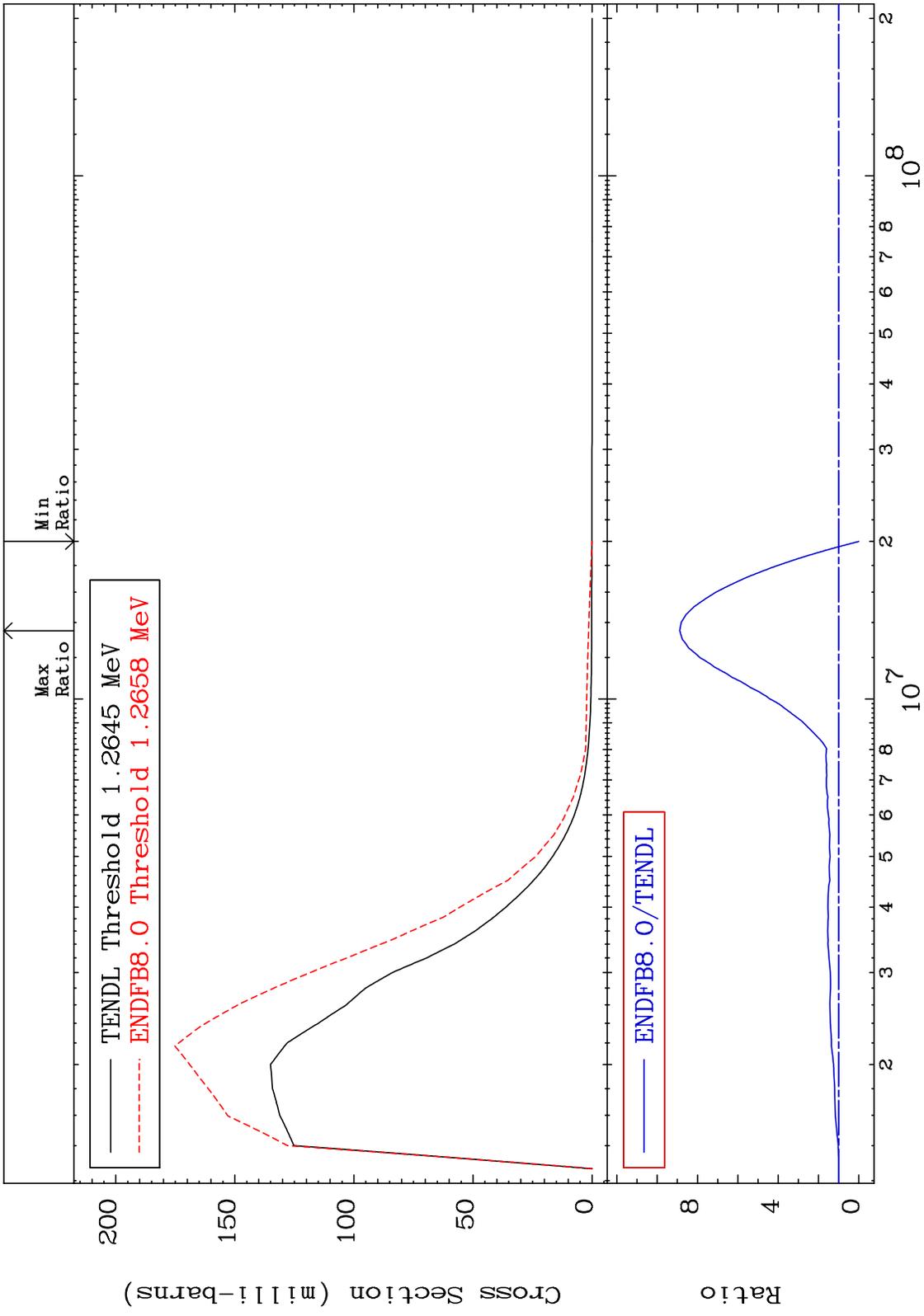


Incident Energy (eV) 21-Sc-45

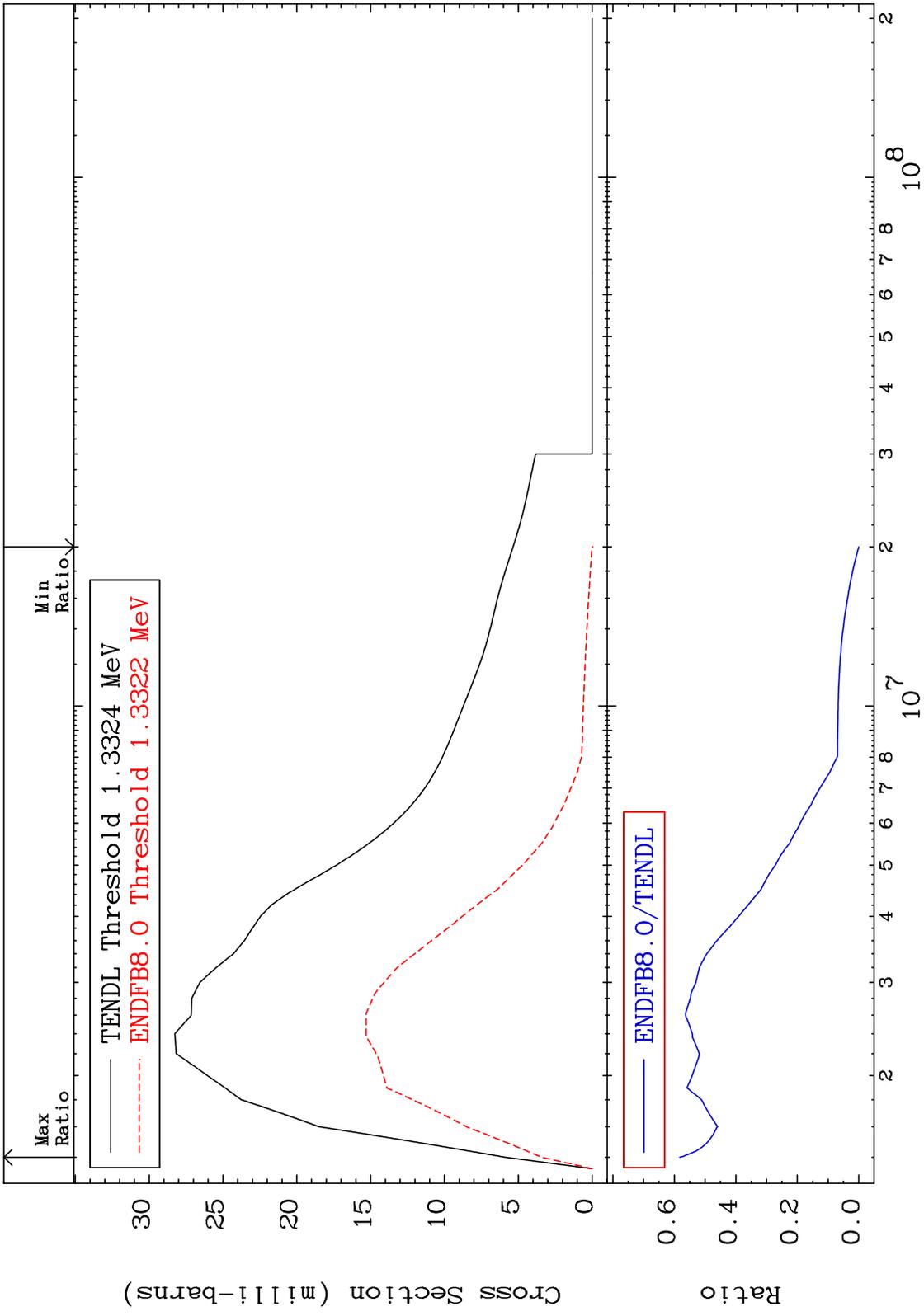
MAT 2125 MT= 57 (n,n') Level Cross Section -100.0 To 9999. % 21-Sc-45



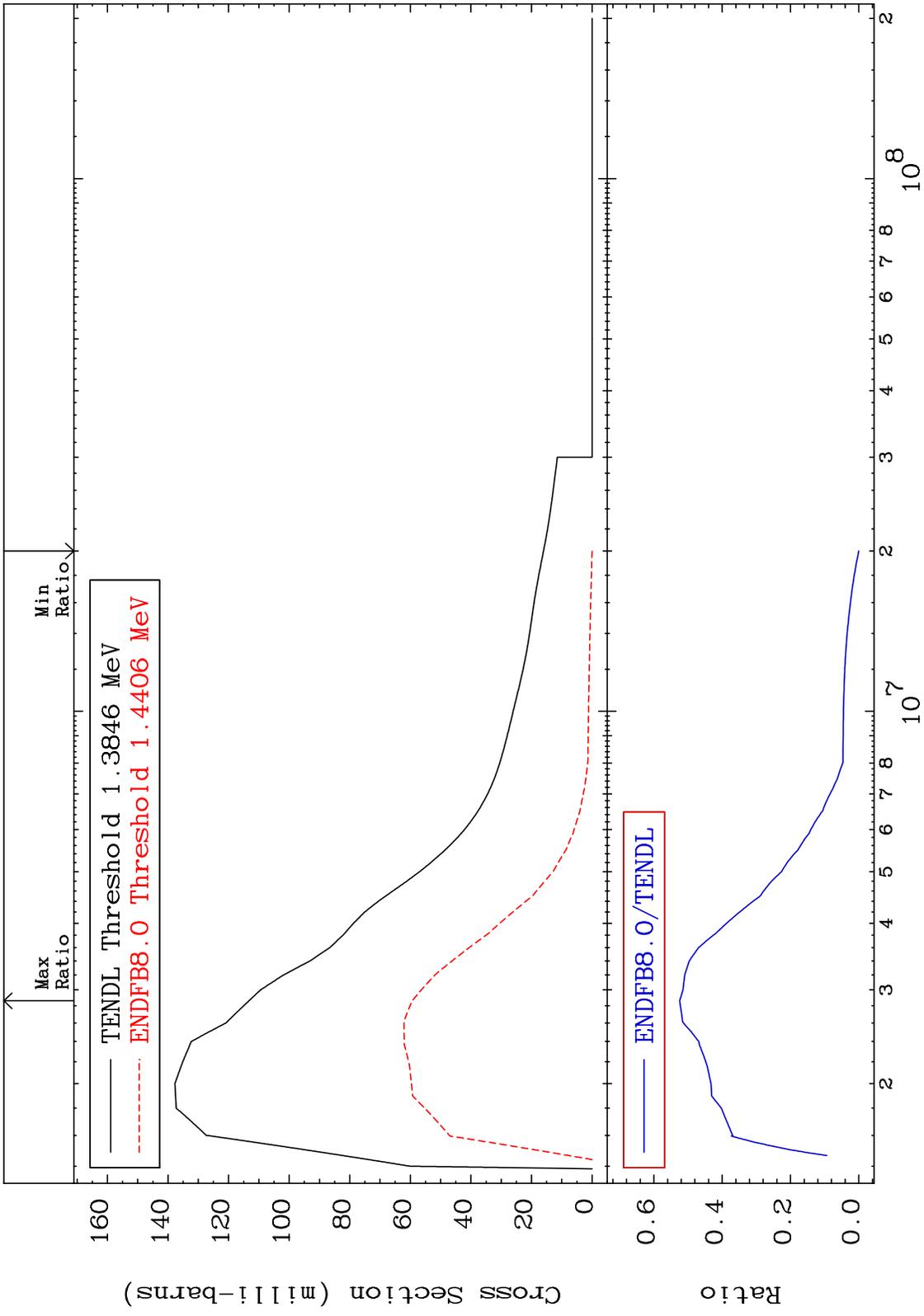
MAT 2125 MT= 58 (n,n') Level Cross Section -100.0 To 788.2 % 21-Sc-45



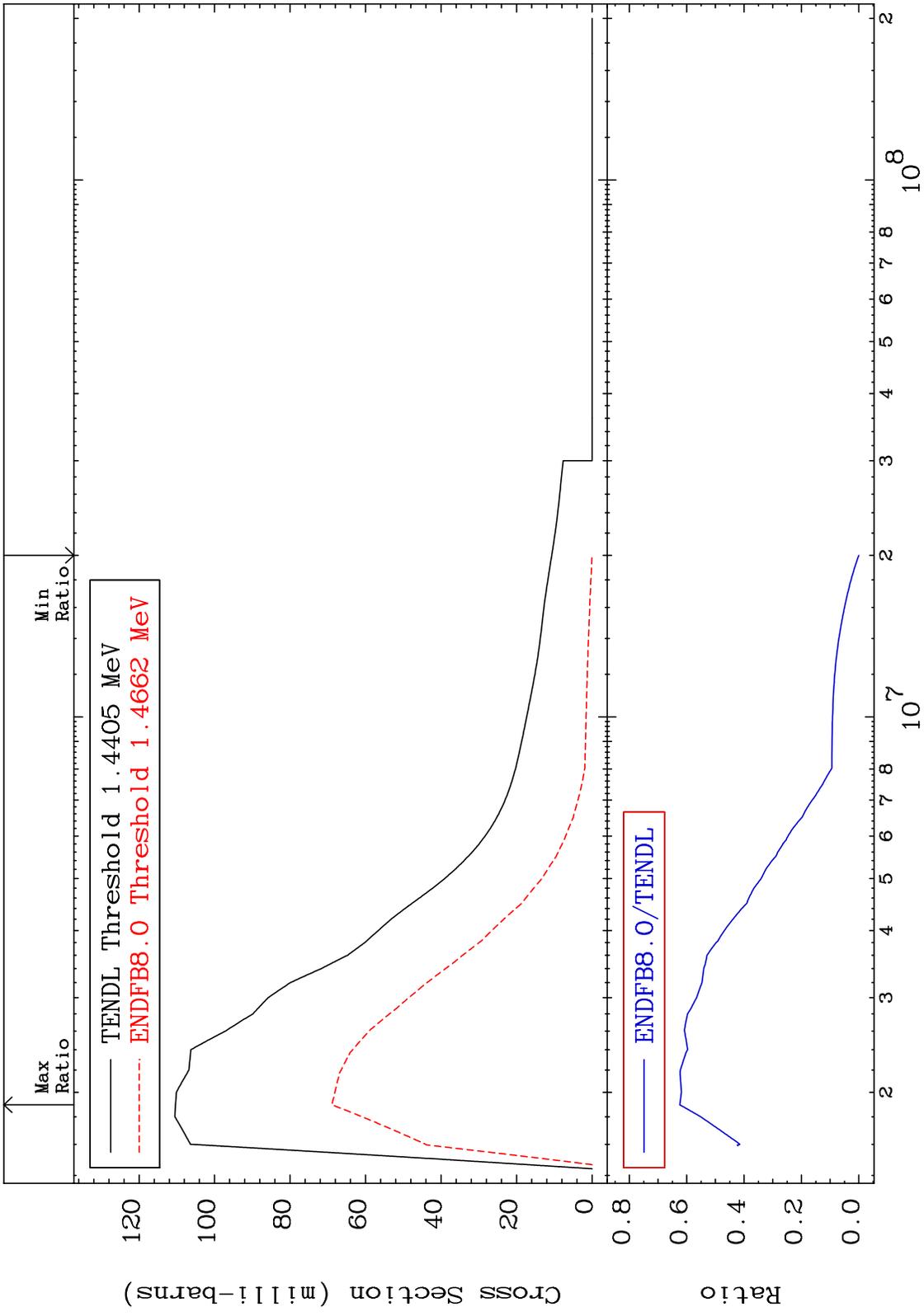
MAT 2125 MT= 59 (n,n') Level Cross Section -100.0 To -41.75% 21-Sc-45



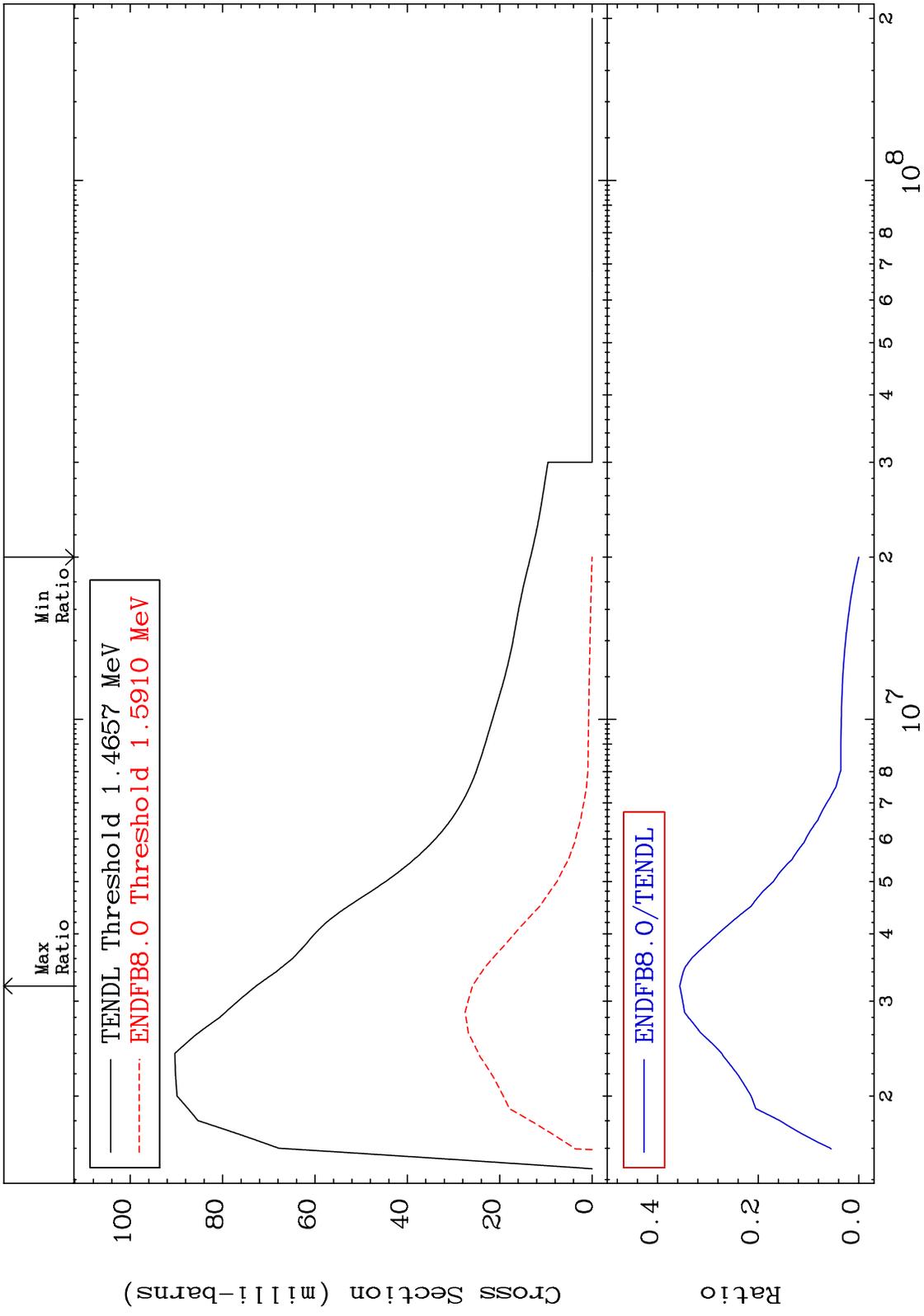
MAT 2125 MT= 60 (n,n') Level Cross Section -100.0 To -47.57% 21-Sc-45



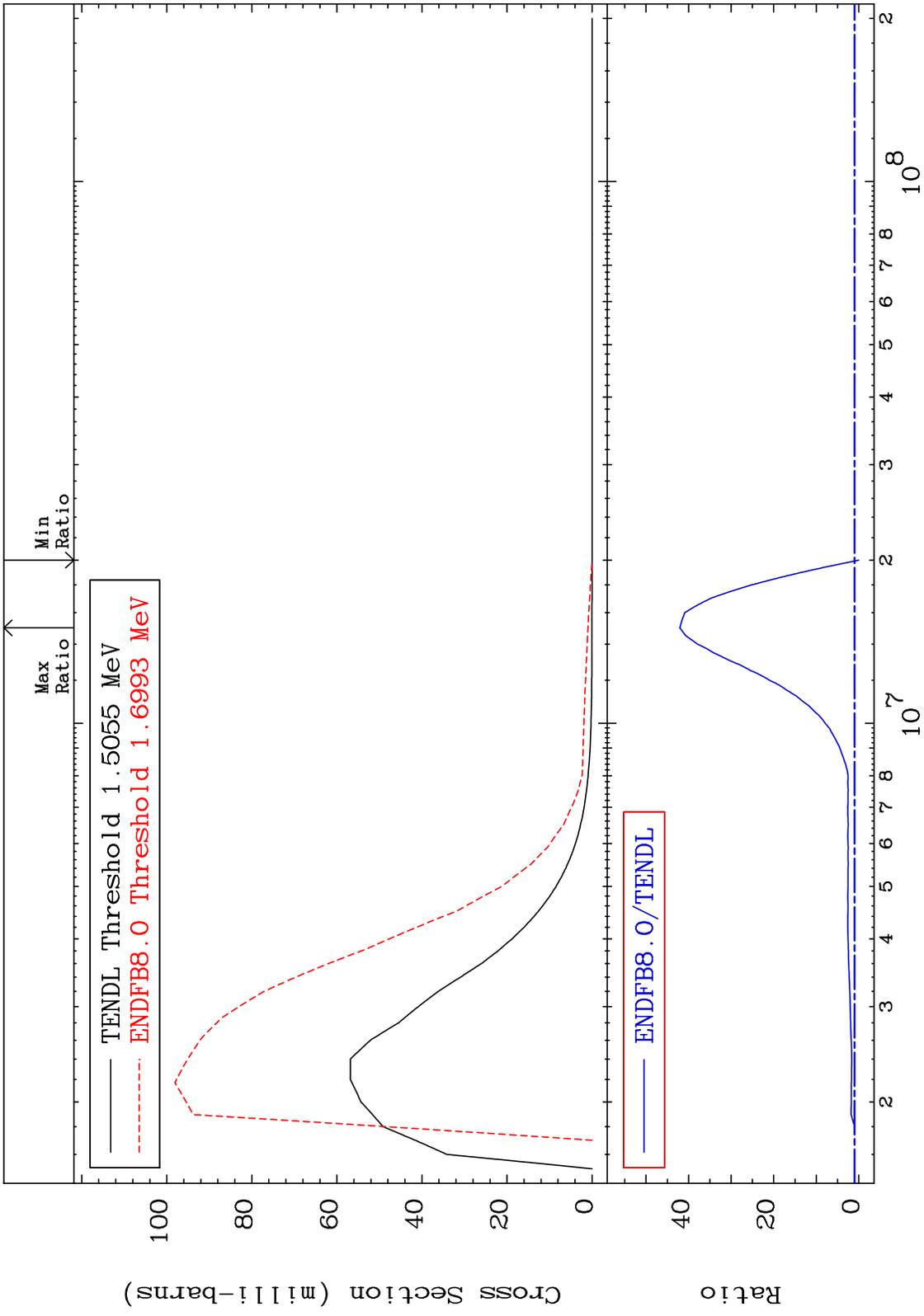
MAT 2125 MT= 61 (n,n') Level Cross Section -100.0 To -37.55% 21-Sc-45



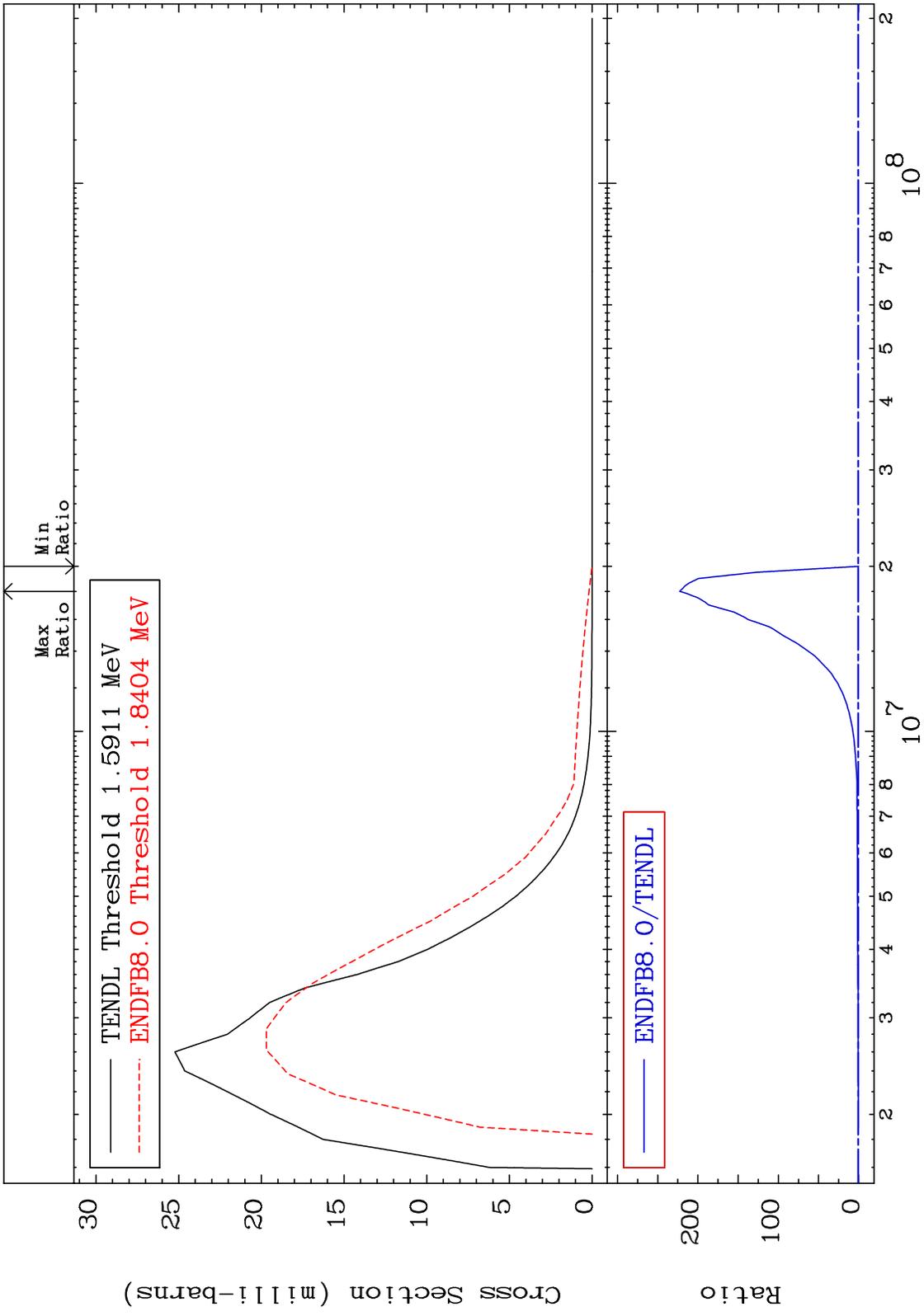
MAT 2125 MT= 62 (n,n') Level Cross Section -100.0 To -64.41% 21-Sc-45



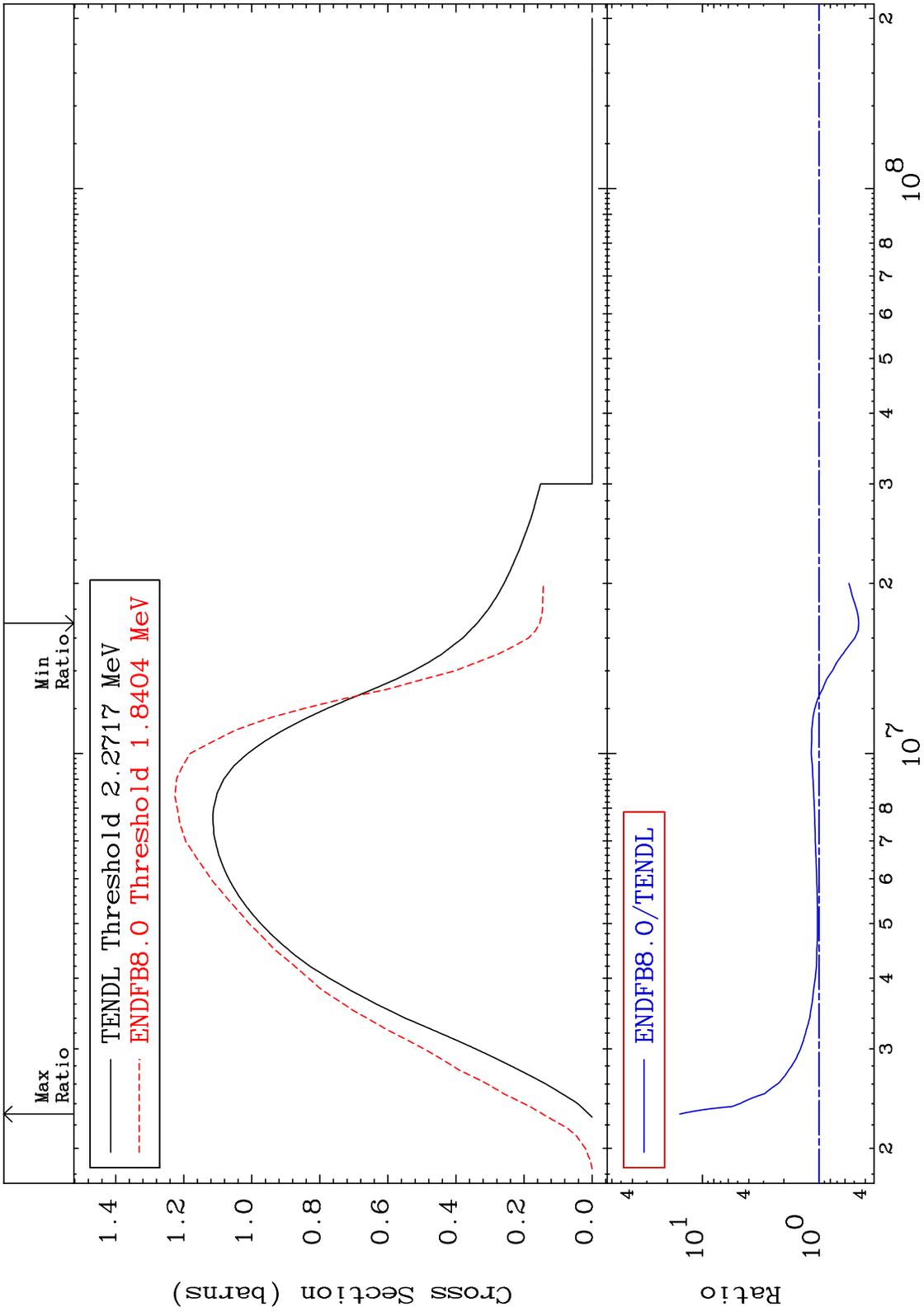
MAT 2125 MT= 63 (n,n') Level Cross Section -100.0 To 4108. % 21-Sc-45



MAT 2125 MT= 64 (n,n') Level Cross Section -100.0 To 9999. % 21-Sc-45



20 Incident Energy (eV) 21-Sc-45



MAT 2125

(n,  $\gamma$ )

21-Sc-45

Cross Section

-100.0 To 2223. %

Max Ratio

Min Ratio

TENDL  
ENDFB8.0

ENDFB8.0/TENDL

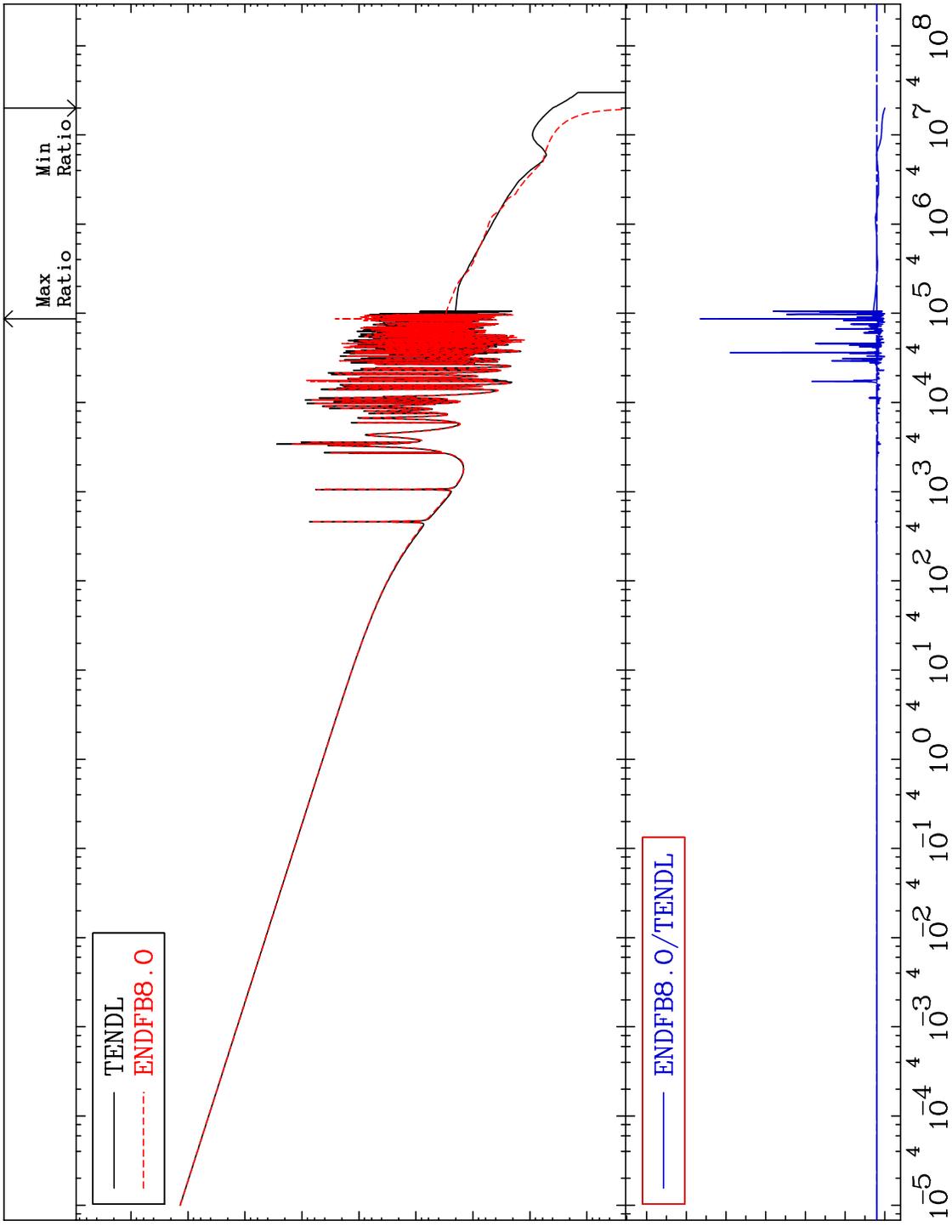
Cross Section (barns)

Ratio

Incident Energy (eV)

21-Sc-45

22



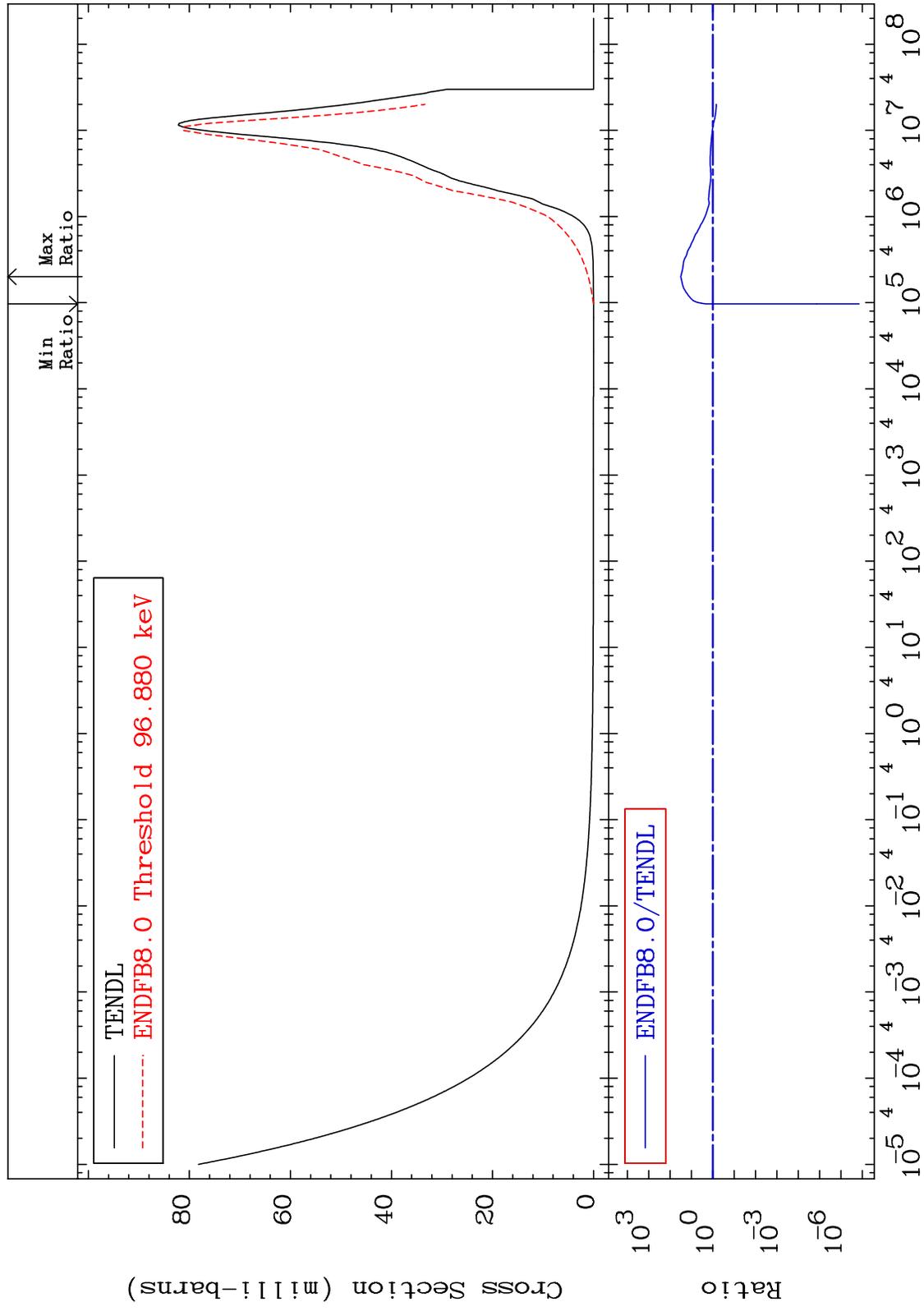
MAT 2125

(n,p)

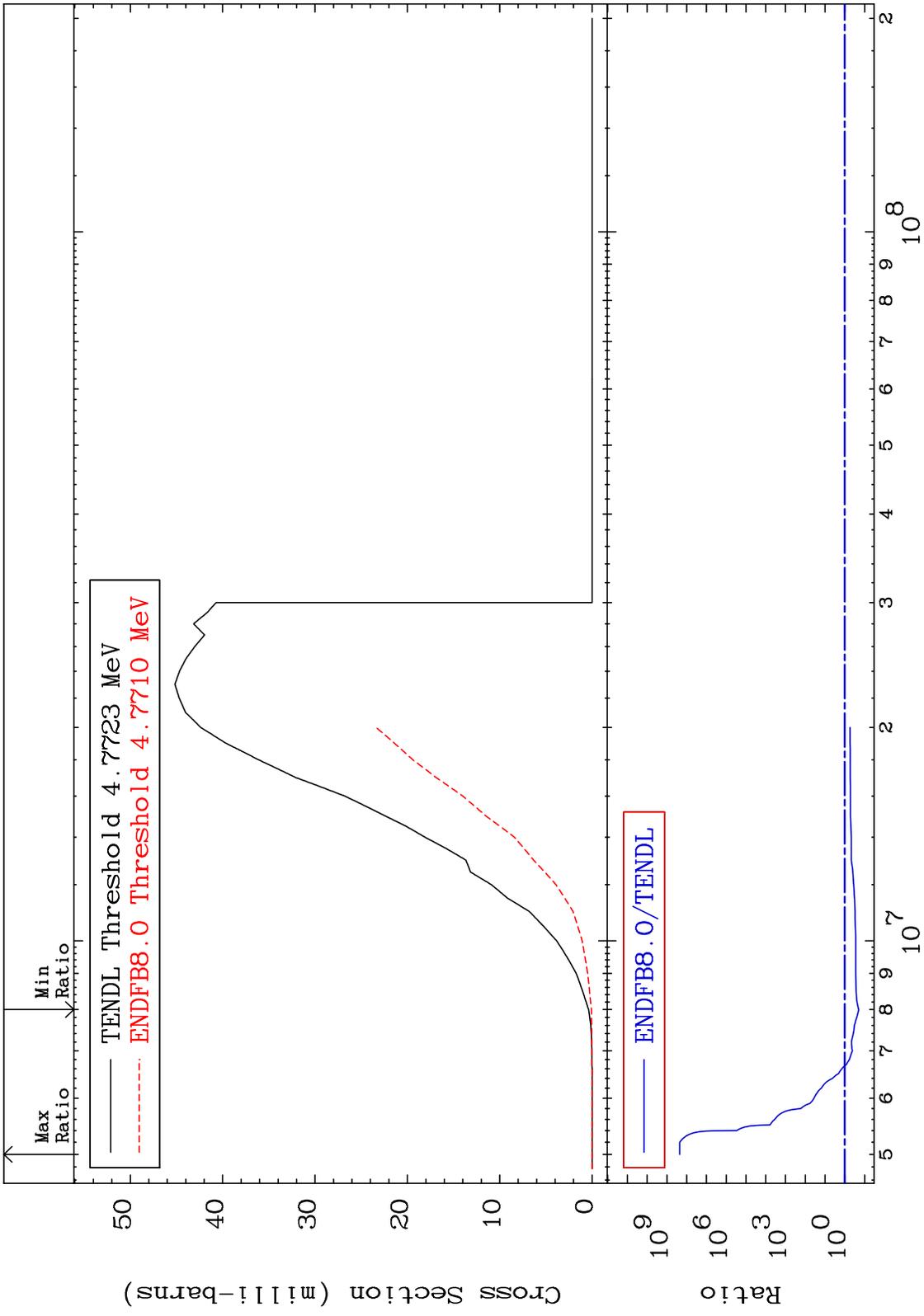
21-Sc-45

Cross Section

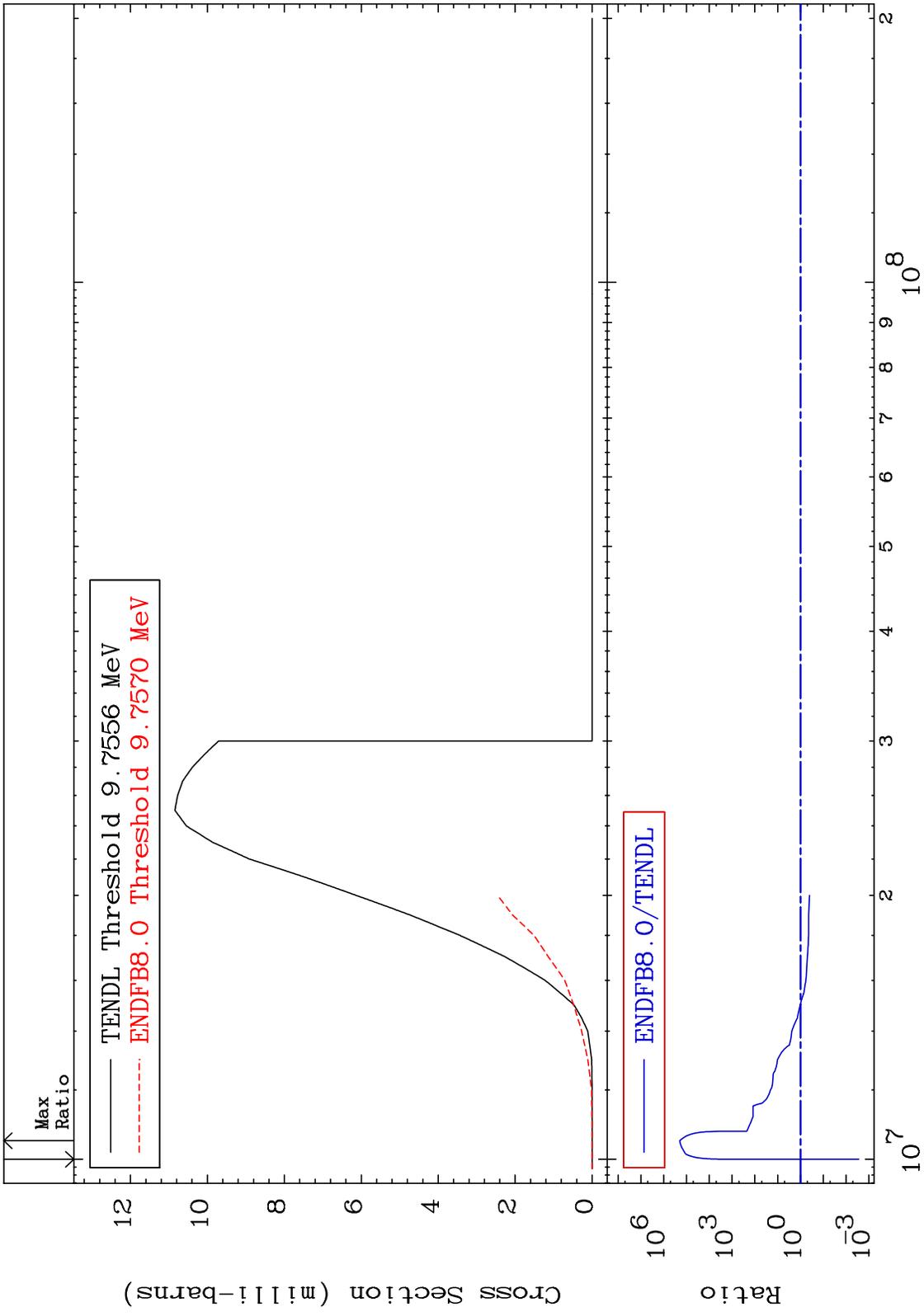
-100.0 To 3030. %



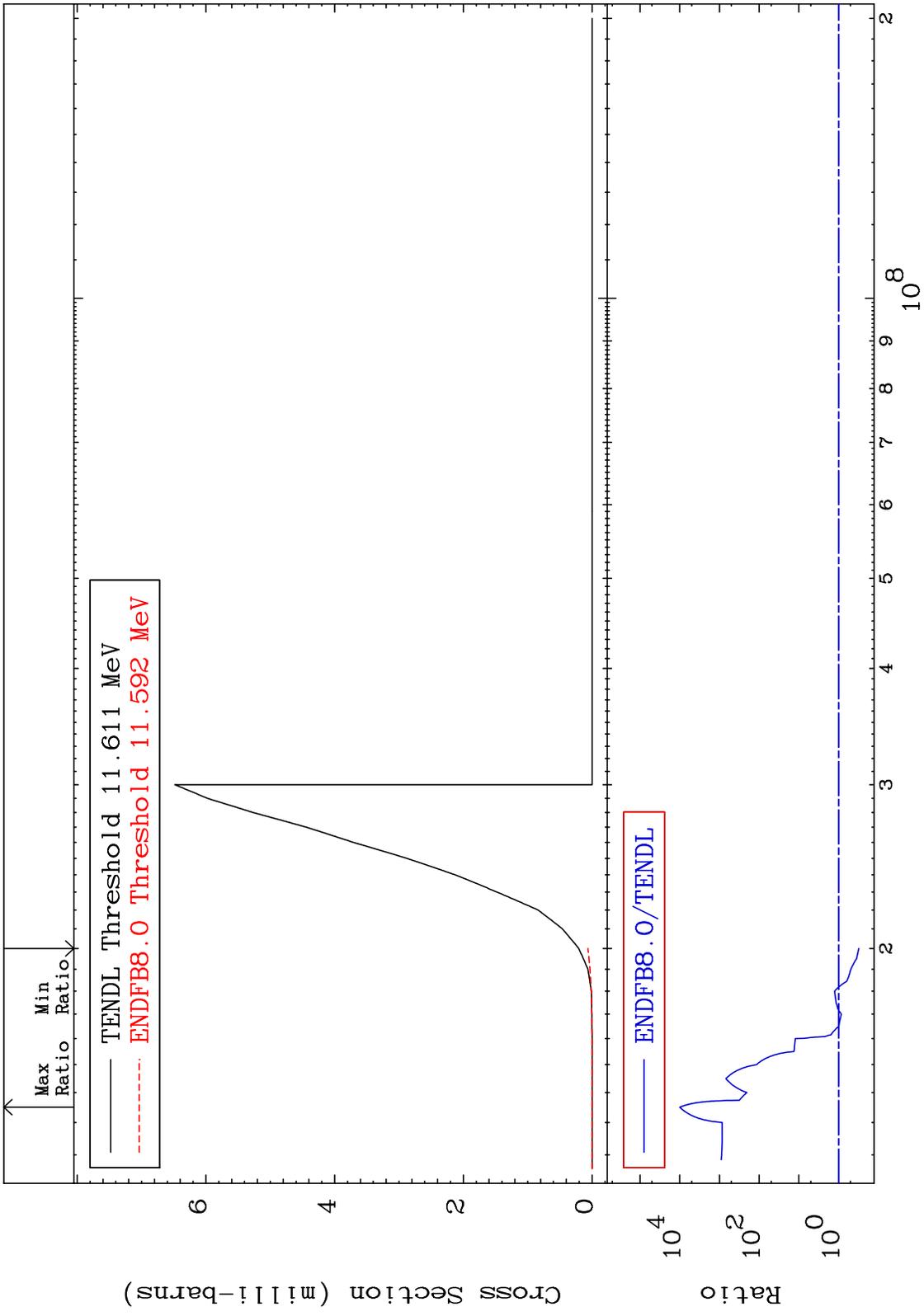
MAT 2125 (n,d) 21-Sc-45  
 Cross Section -80.43 To 9999. %



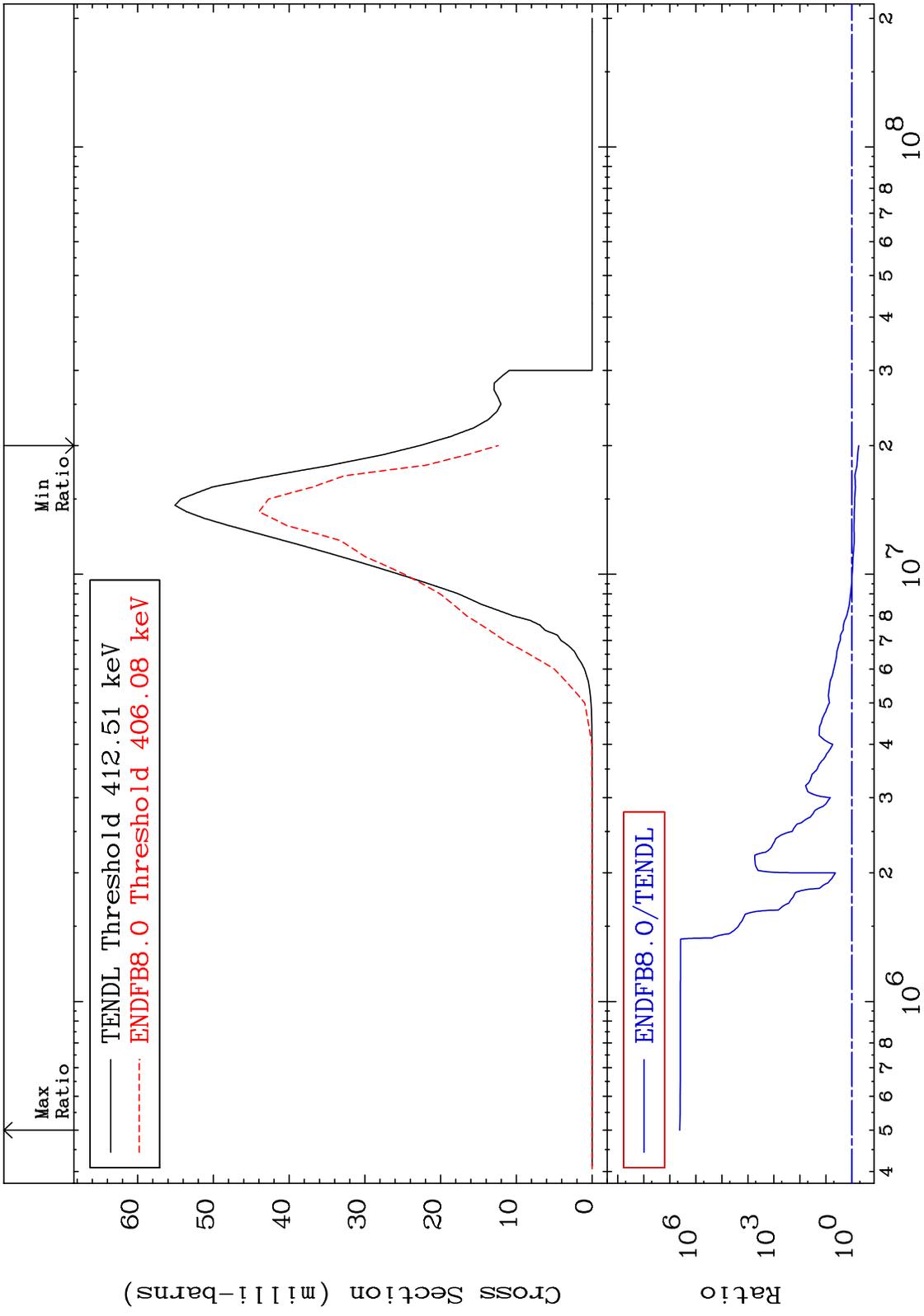
MAT 2125 (n,t) 21-Sc-45  
Cross Section -99.72 To 9999. %



25 Incident Energy (eV) 21-Sc-45



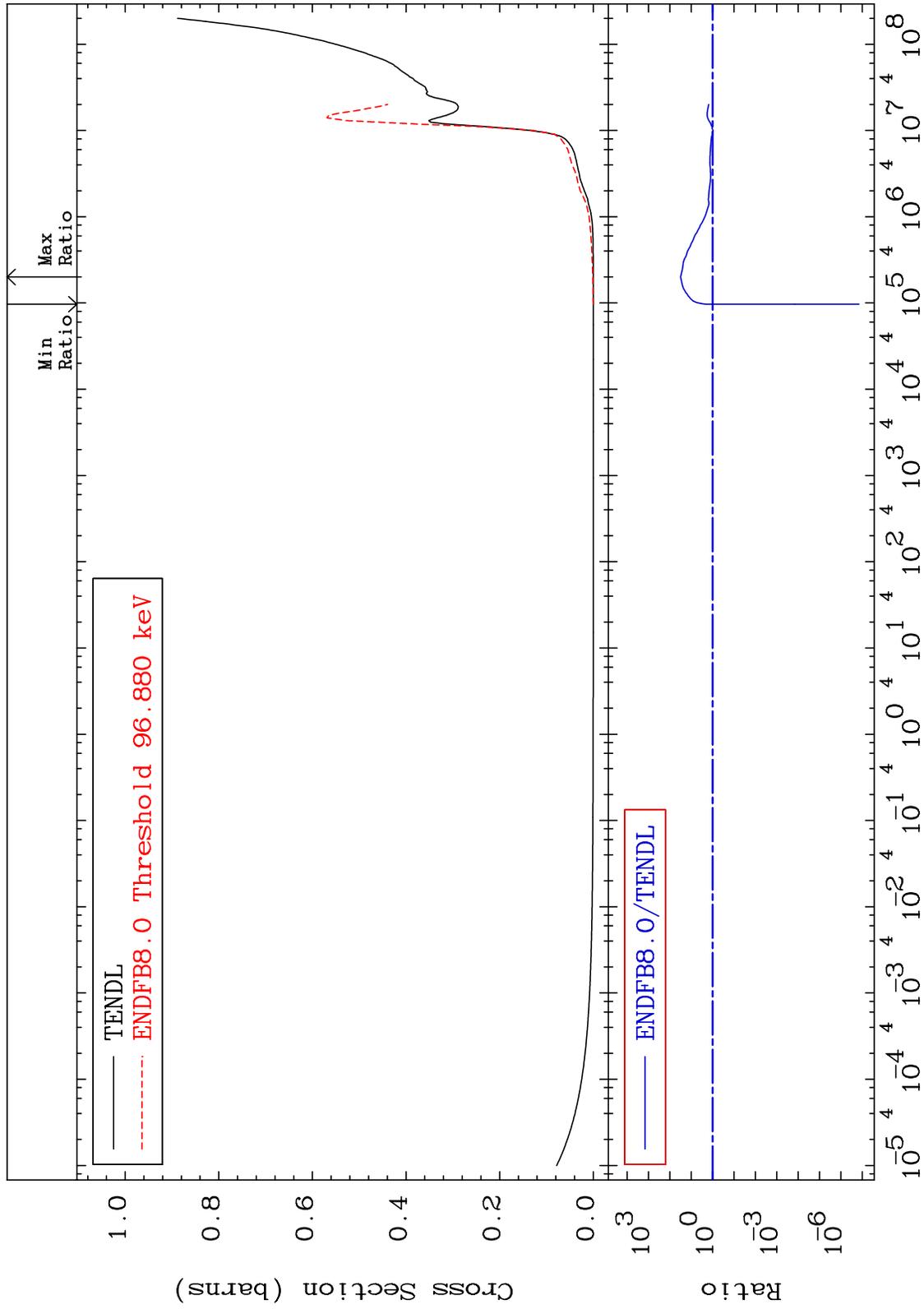
MAT 2125  $(n, \alpha)$  Cross Section 21-Sc-45  
 -45.50 To 9999. %

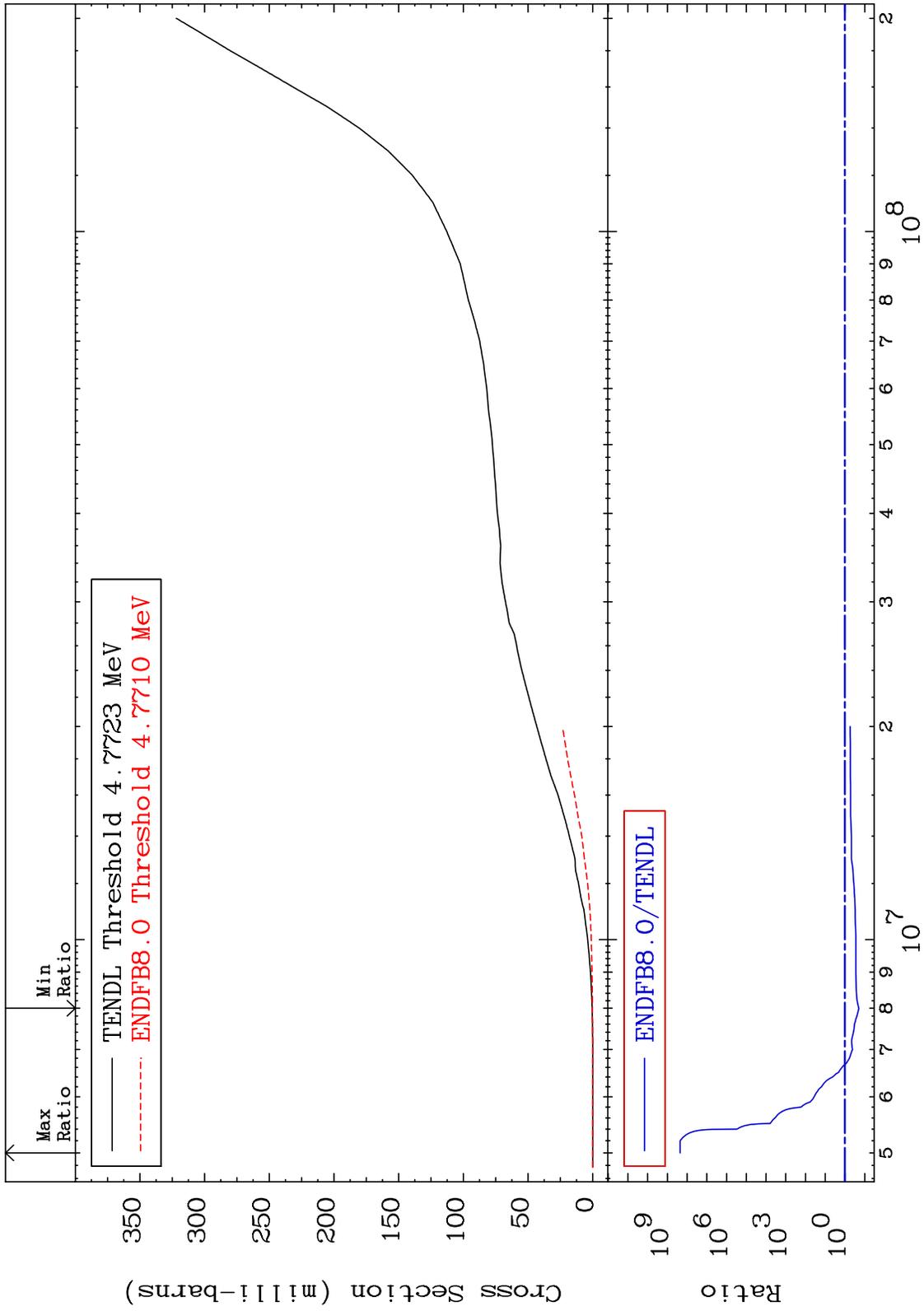


MAT 2125

### Hydrogen Production Cross Section

21-Sc-45  
-100.0 To 3030. %

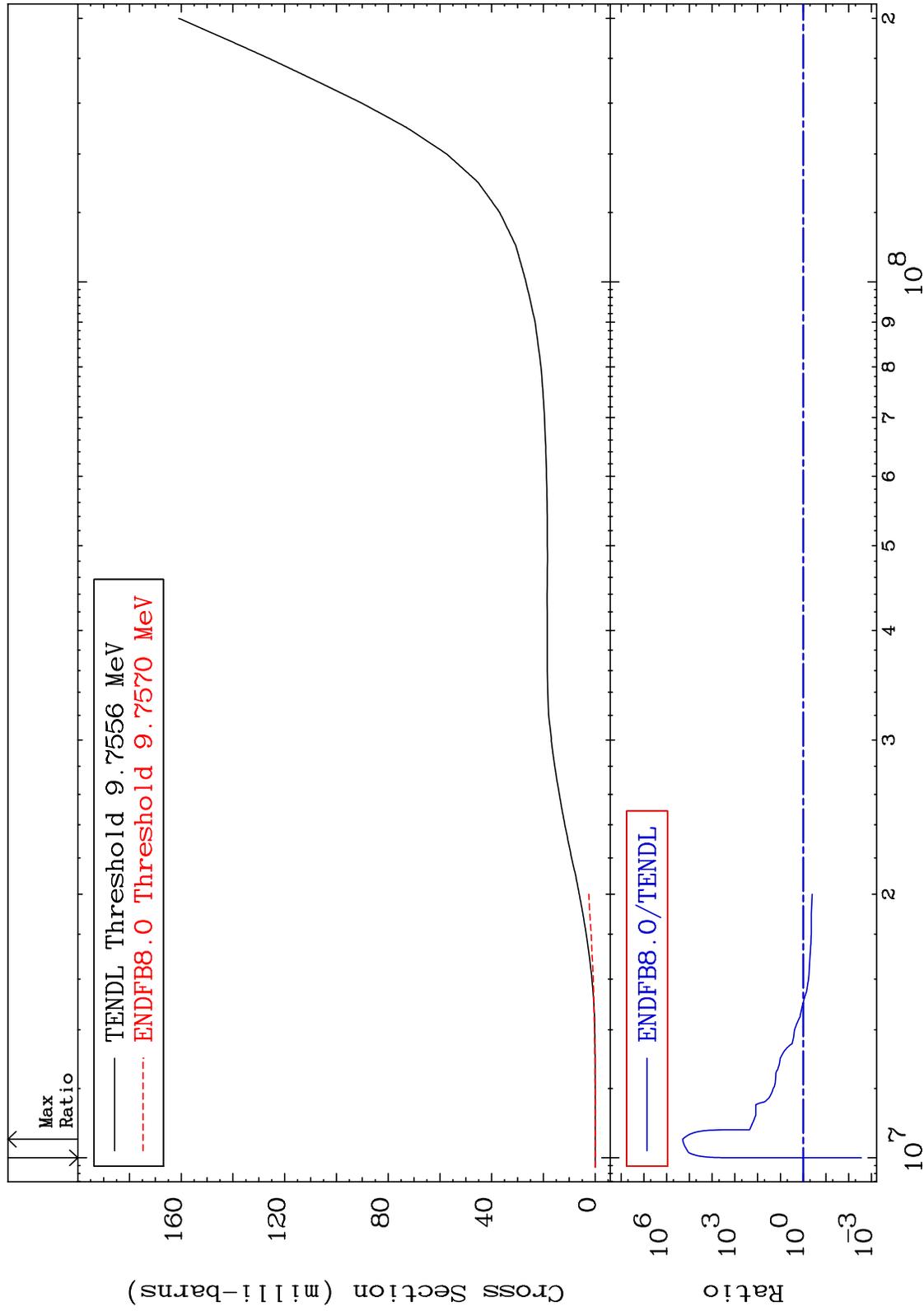




MAT 2125

Tritium Production  
Cross Section

21-Sc-45  
-99.72 To 9999. %



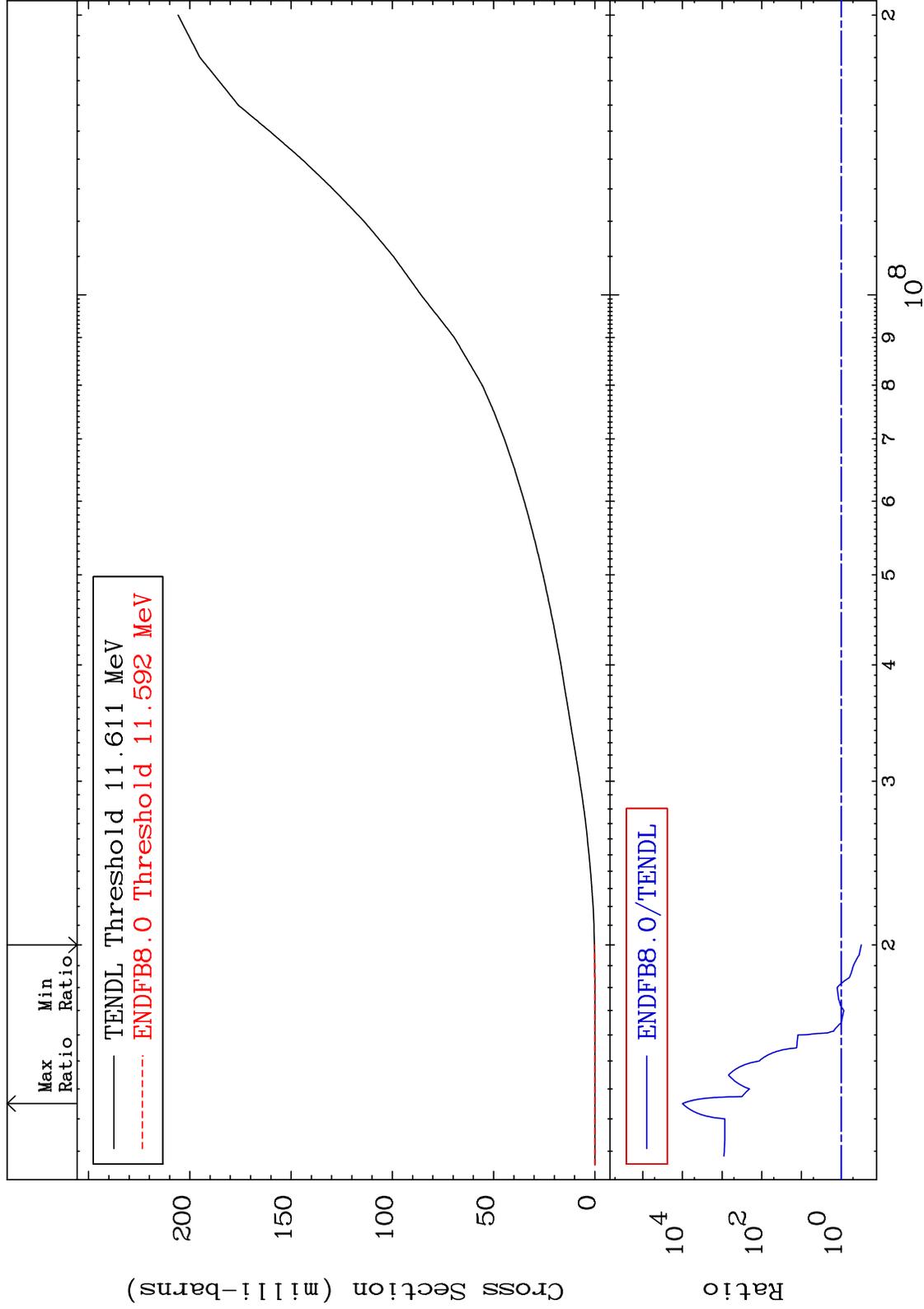
Incident Energy (eV)

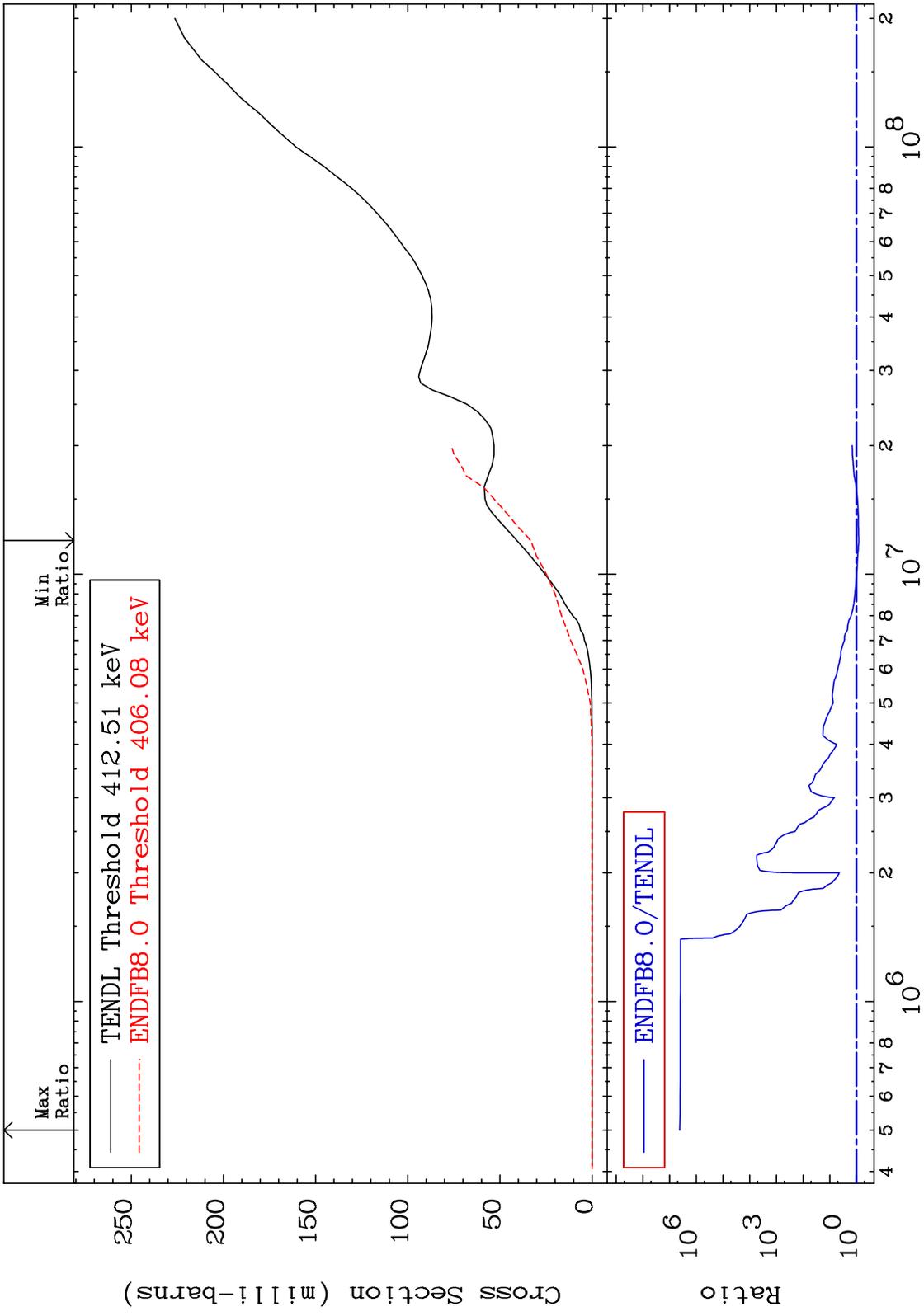
21-Sc-45

MAT 2125

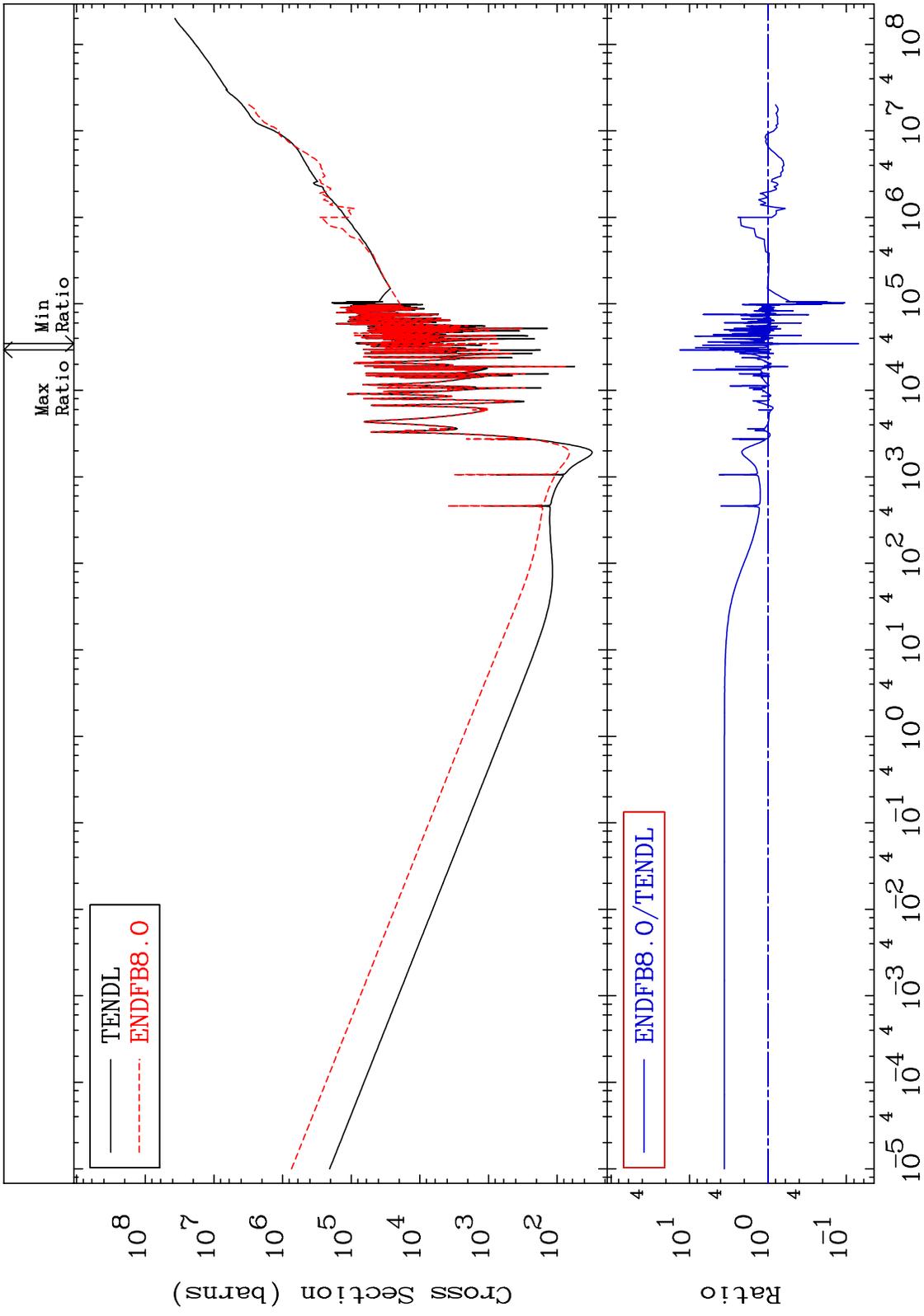
He-3 Production  
Cross Section

21-Sc-45  
-69.04 To 9999. %





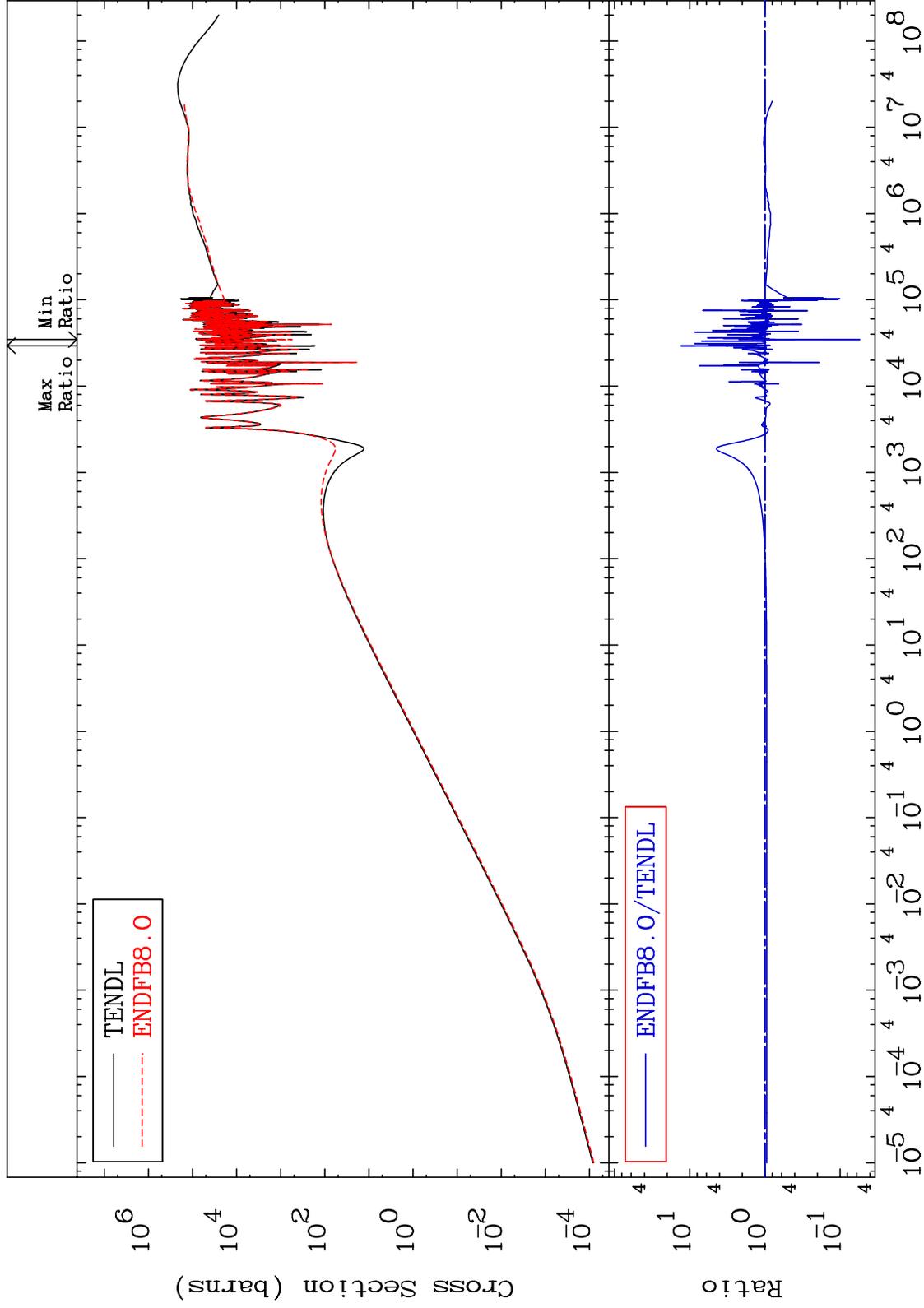
MAT 2125 Kerma total (eV-barns) 21-Sc-45  
 Cross Section -93.07 To 1232. %



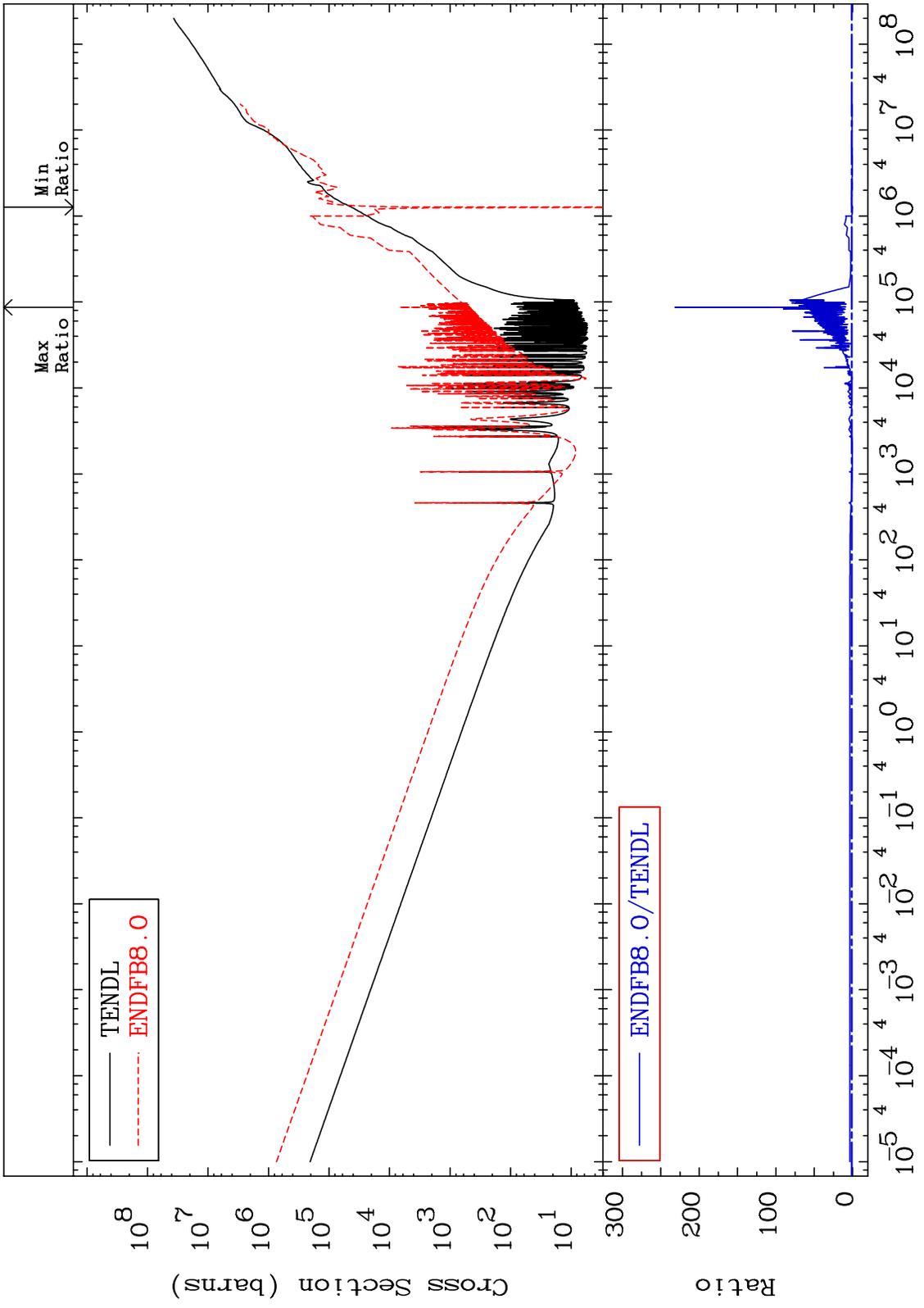
MAT 2125

Kerma elastic  
Cross Section

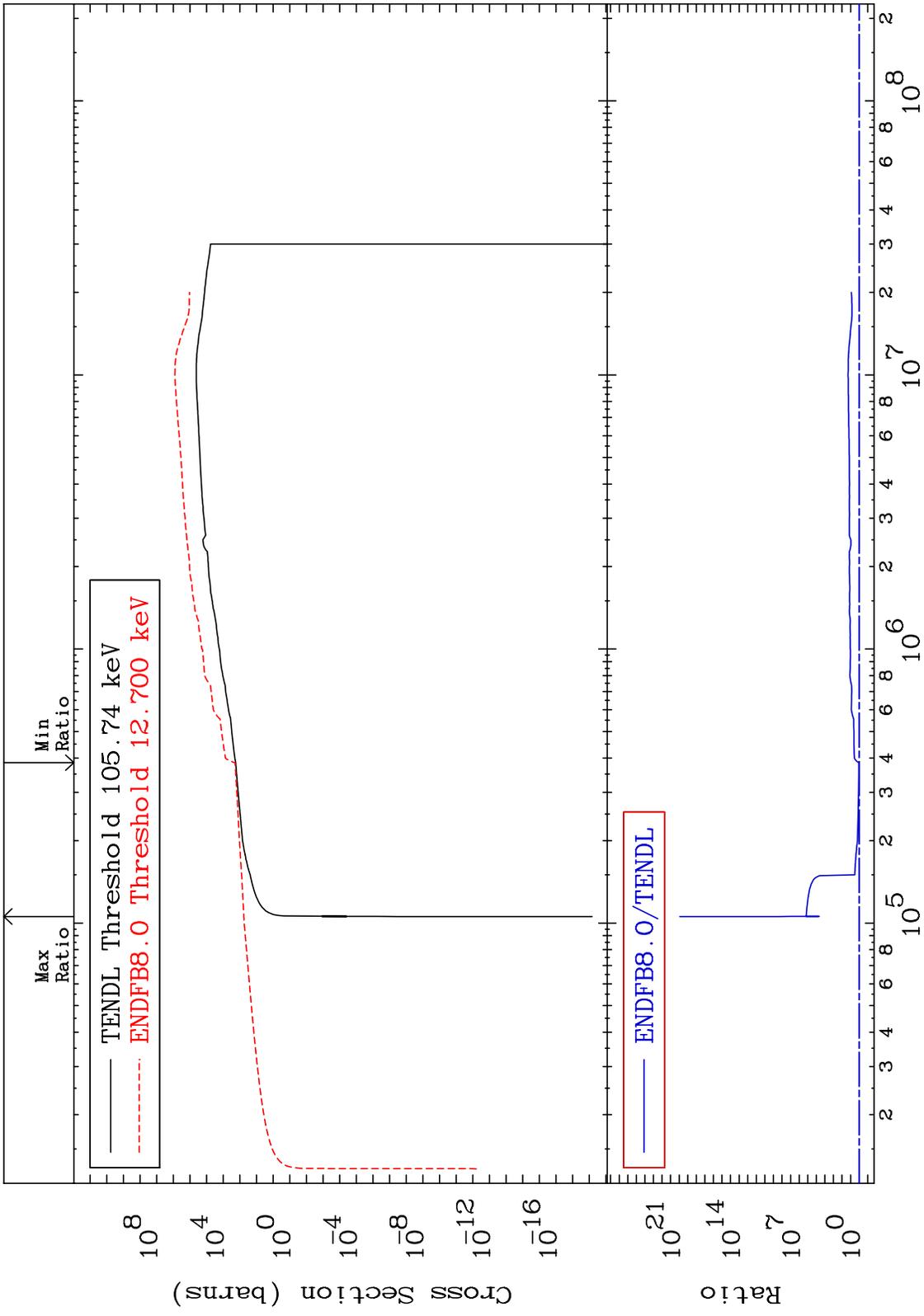
21-Sc-45  
-94.54 To 1198. %



MAT 2125 Kerma non-elastic (all but mt2) Cross Section 21-Sc-45  
 -112.5 To 9999. %



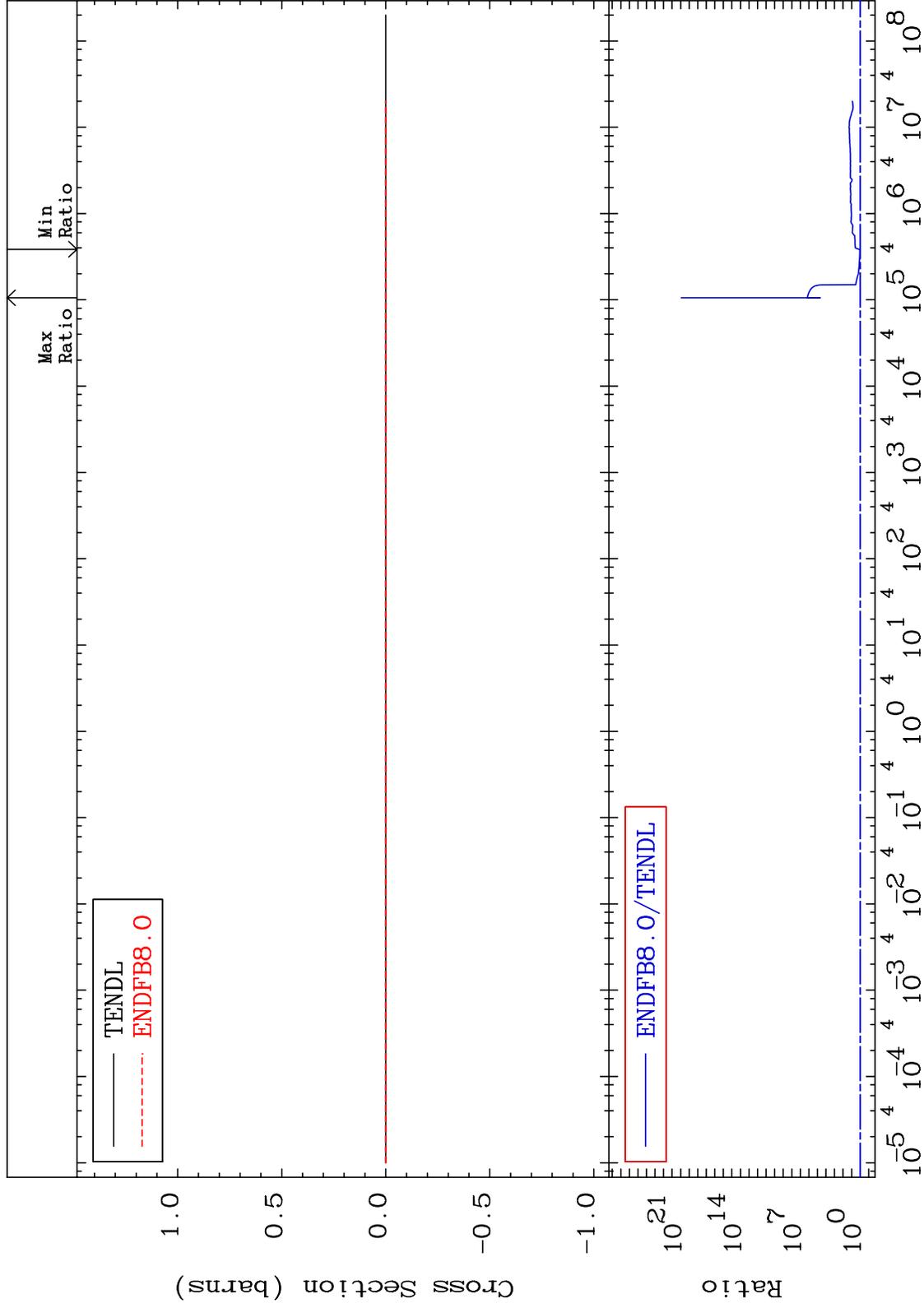
MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45  
 Cross Section 9.253 To 9999. %



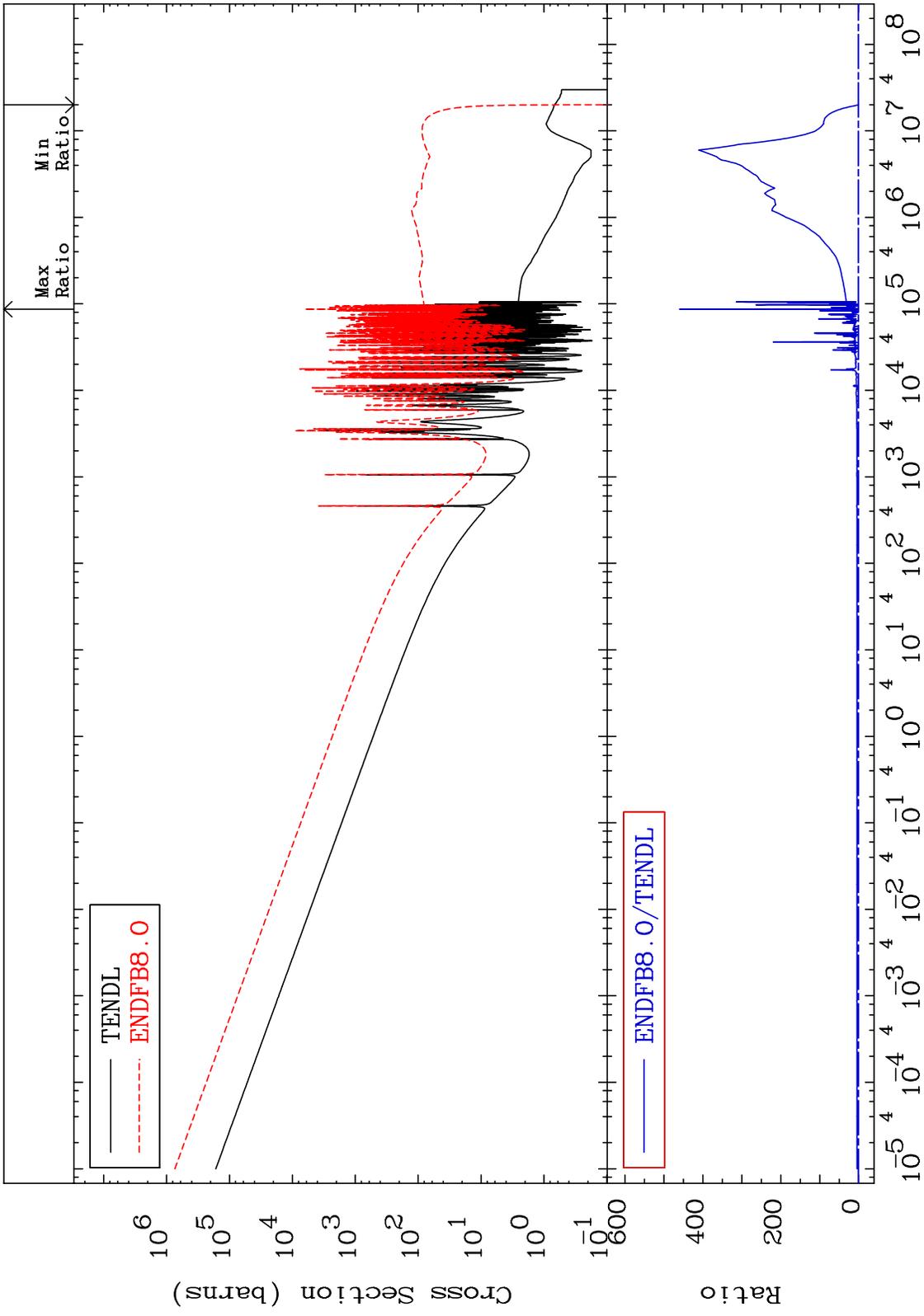
MAT 2125

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

21-Sc-45  
9.253 To 9999. %



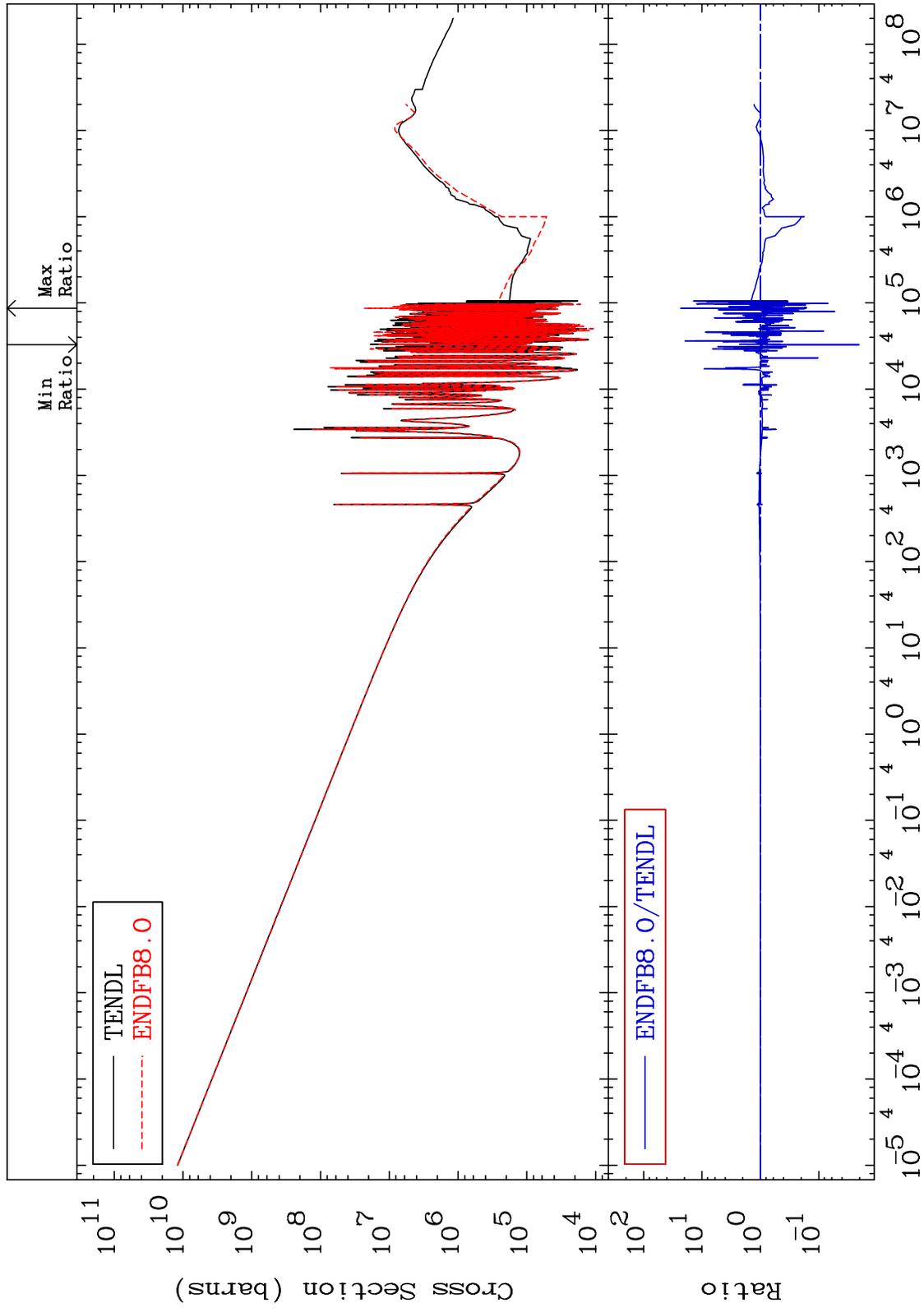
MAT 2125 Kerma capture (mt102) Cross Section 21-Sc-45  
 -100.0 To 9999. %



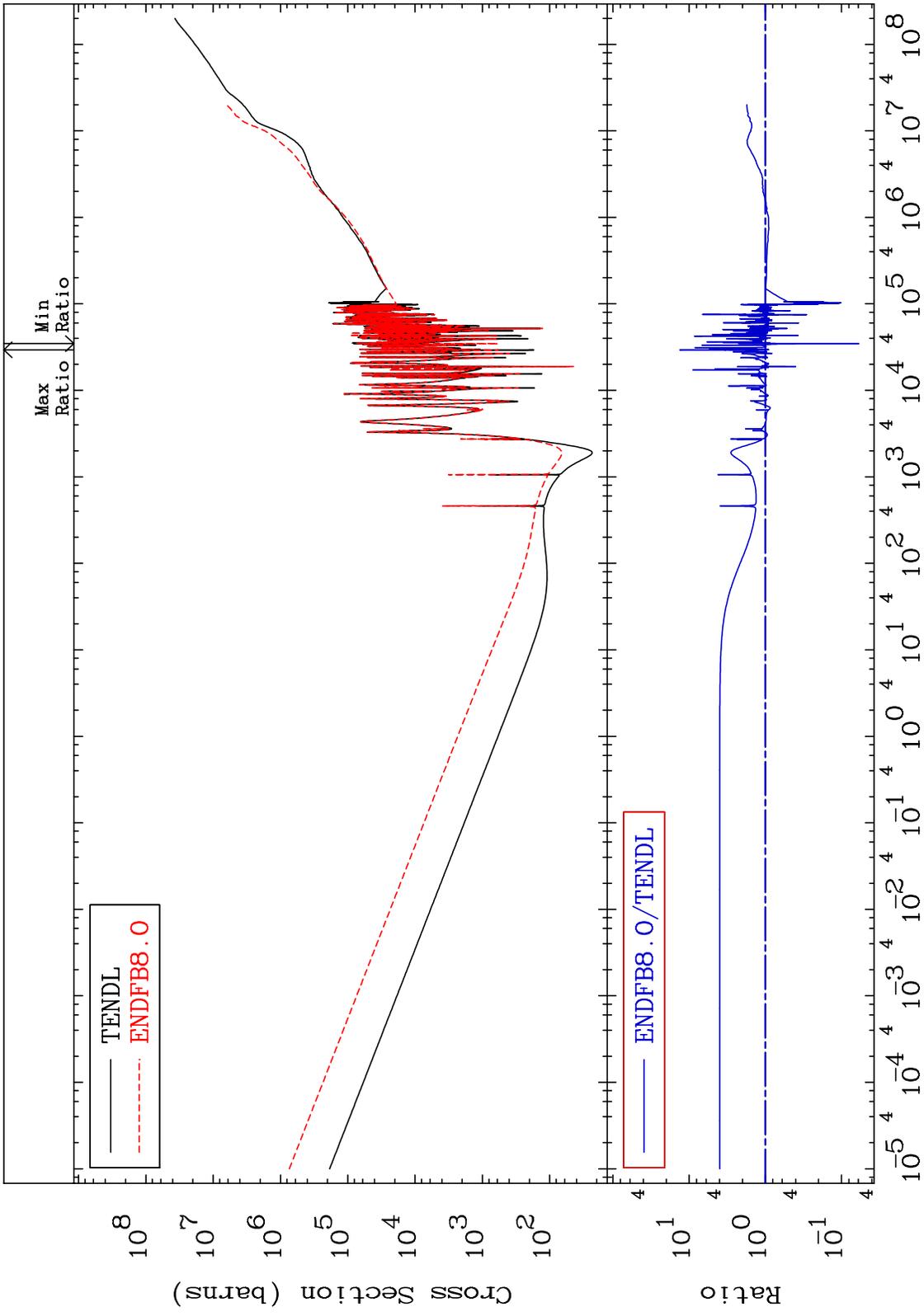
MAT 2125

Total photon (eV-barns)  
Cross Section

21-Sc-45  
-97.96 To 2223. %



MAT 2125 Total kinematic kerma (high limit) 21-Sc-45  
 Cross Section -94.08 To 1230. %



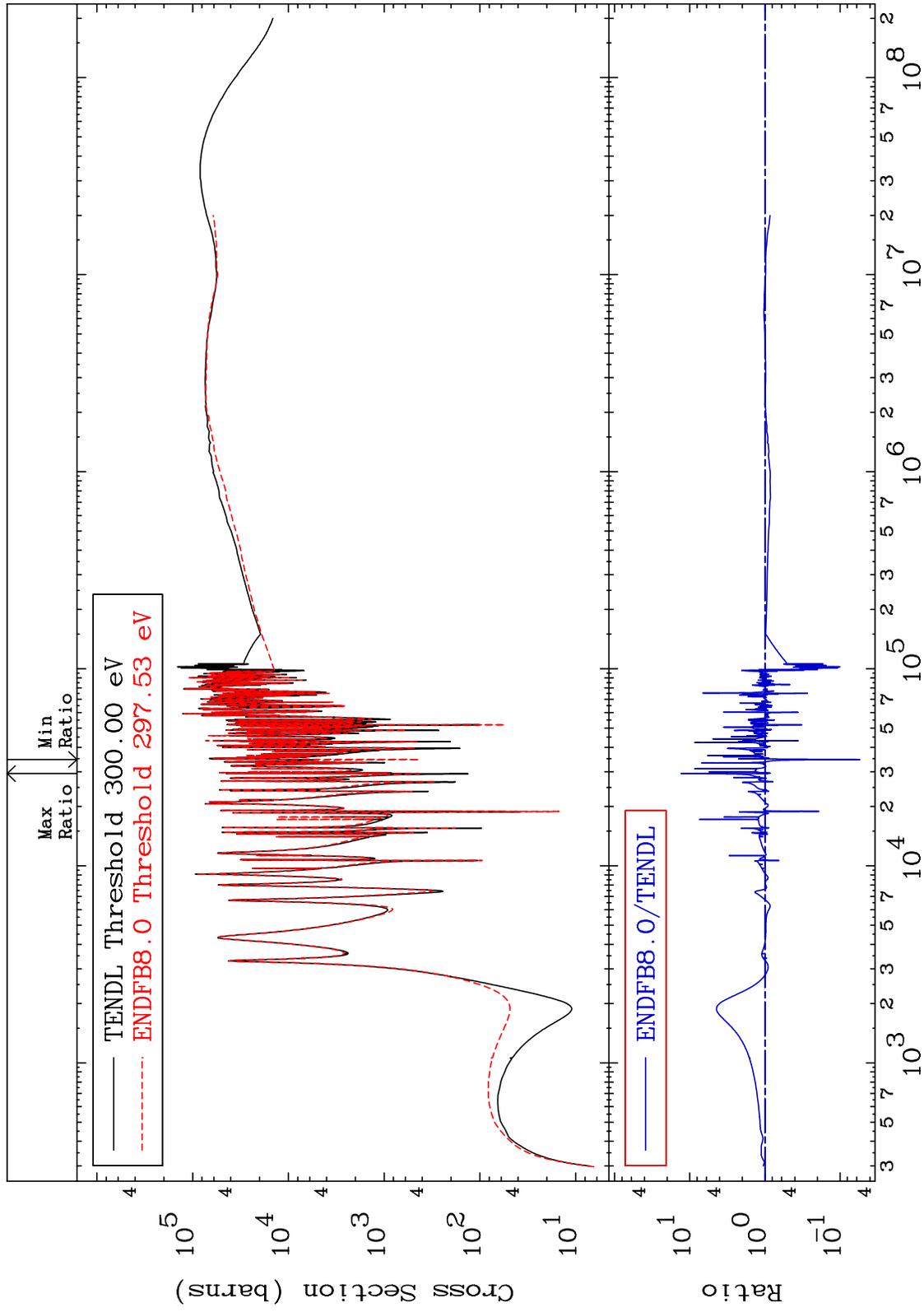
40 21-Sc-45



MAT 2125

Dpa elastic (mt2)  
Cross Section

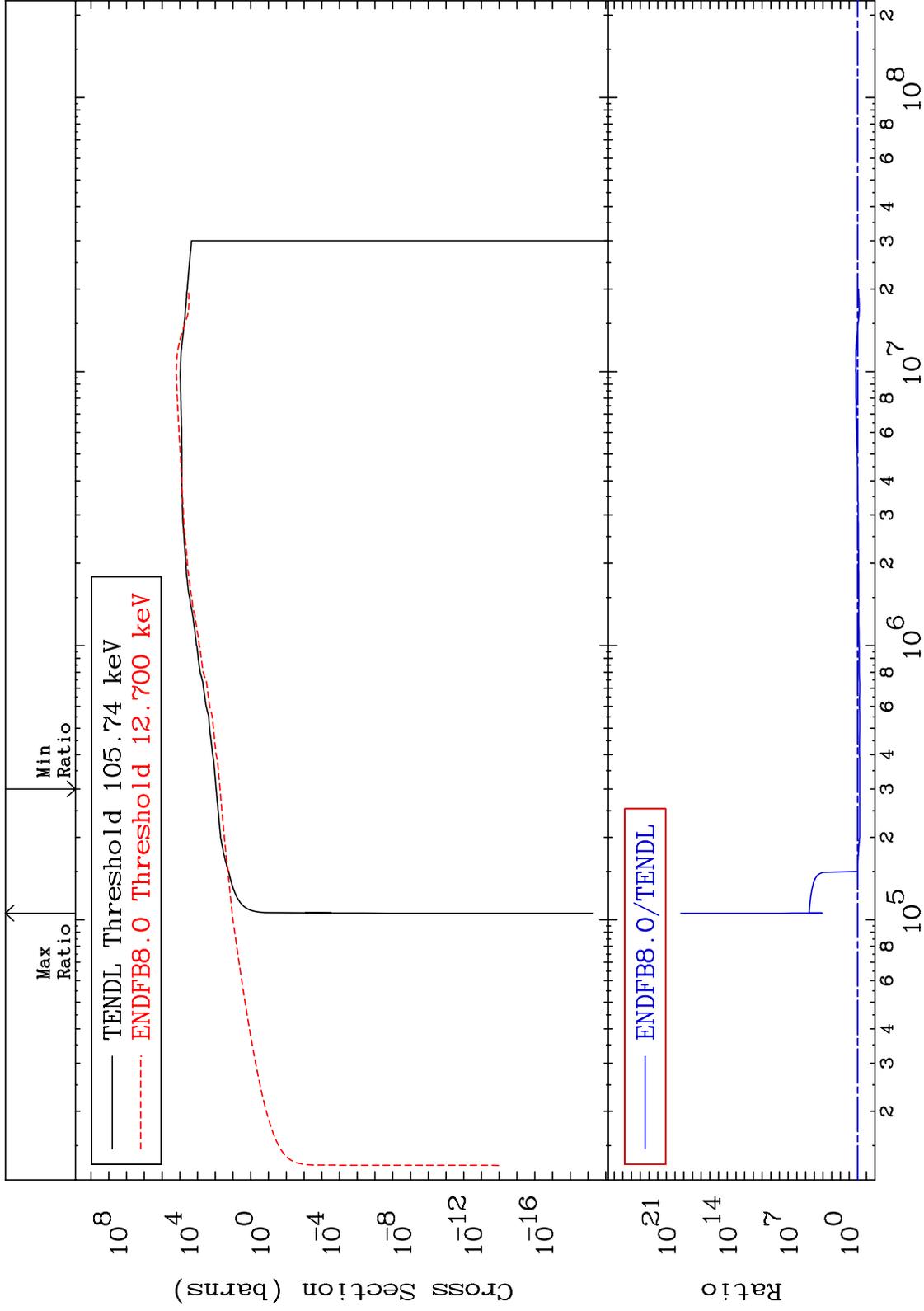
21-Sc-45  
-94.54 To 1199. %



MAT 2125

Dpa inelastic (mt51-91)  
Cross Section

21-Sc-45  
-40.04 To 9999. %



MAT 2125

Dpa disappearance (mt102 -120)  
Cross Section

21-Sc-45  
-90.74 To 9745. %

