

Program Complot  
(Version 2021-1)

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

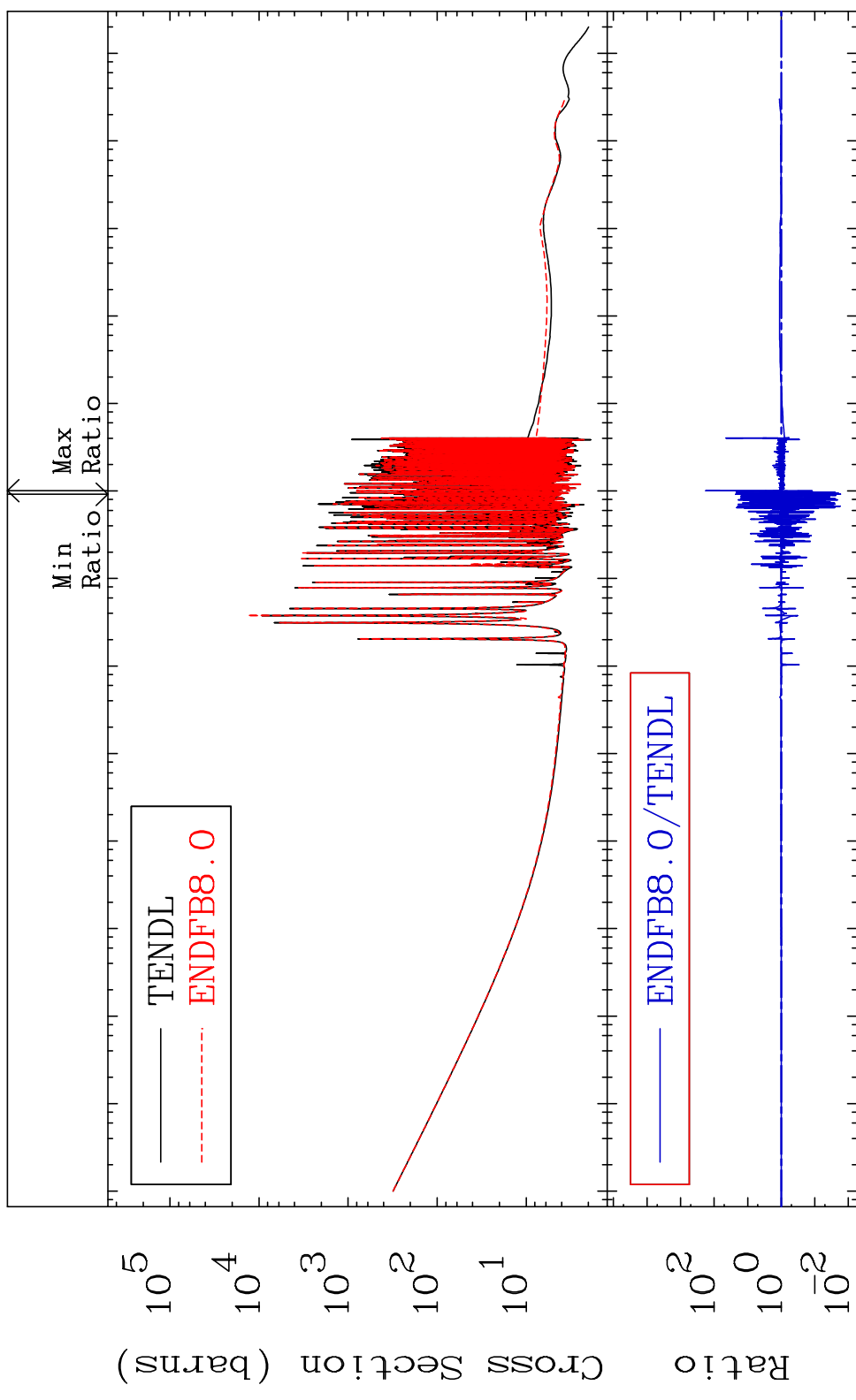
MAT 5325

Total

53-I -127

Cross Section

-98.28 To 9999. %



1

Incident Energy (eV)

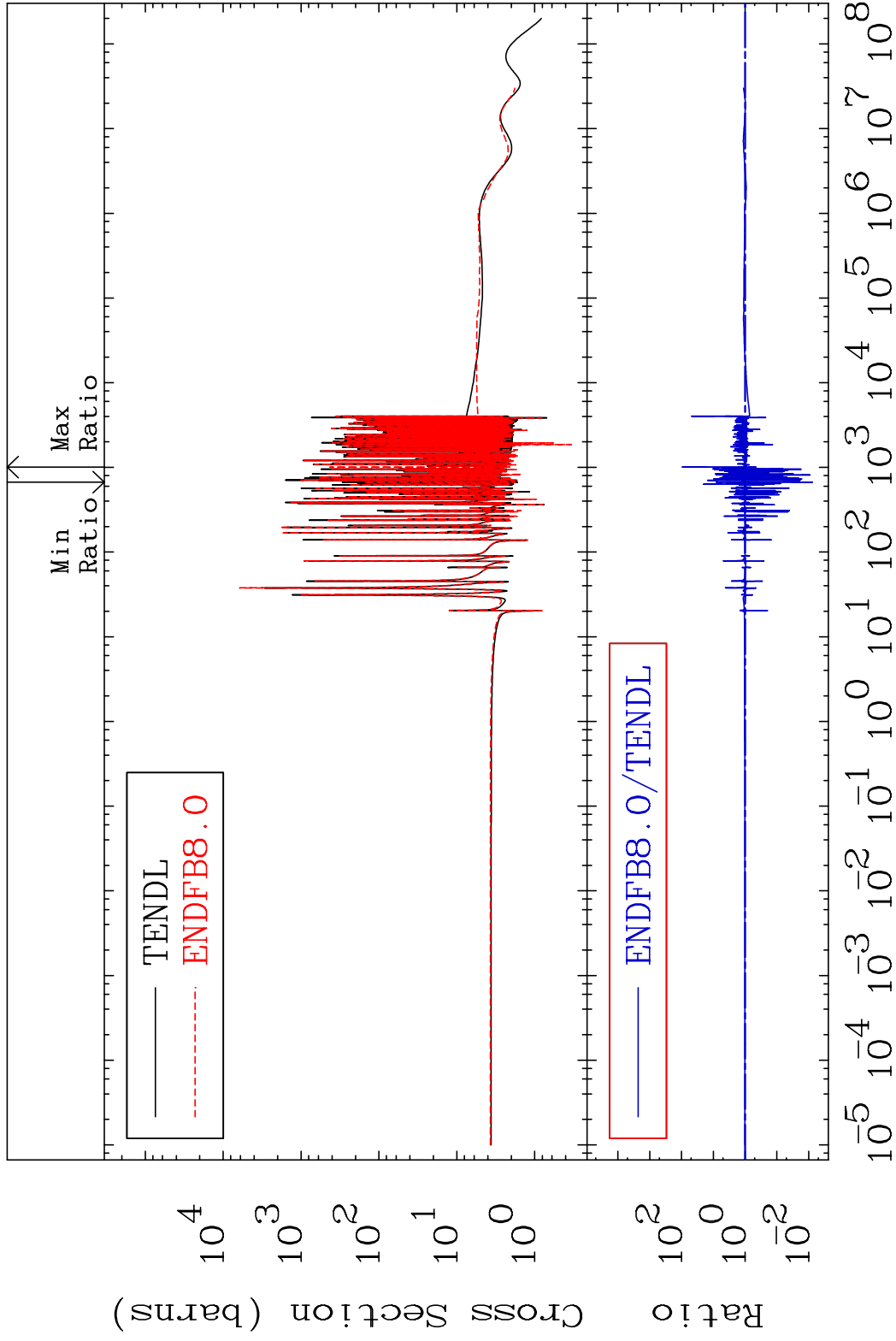
53-I -127

MAT 5325

Elastic

53-I -127

Cross Section -99.24 To 9319. %

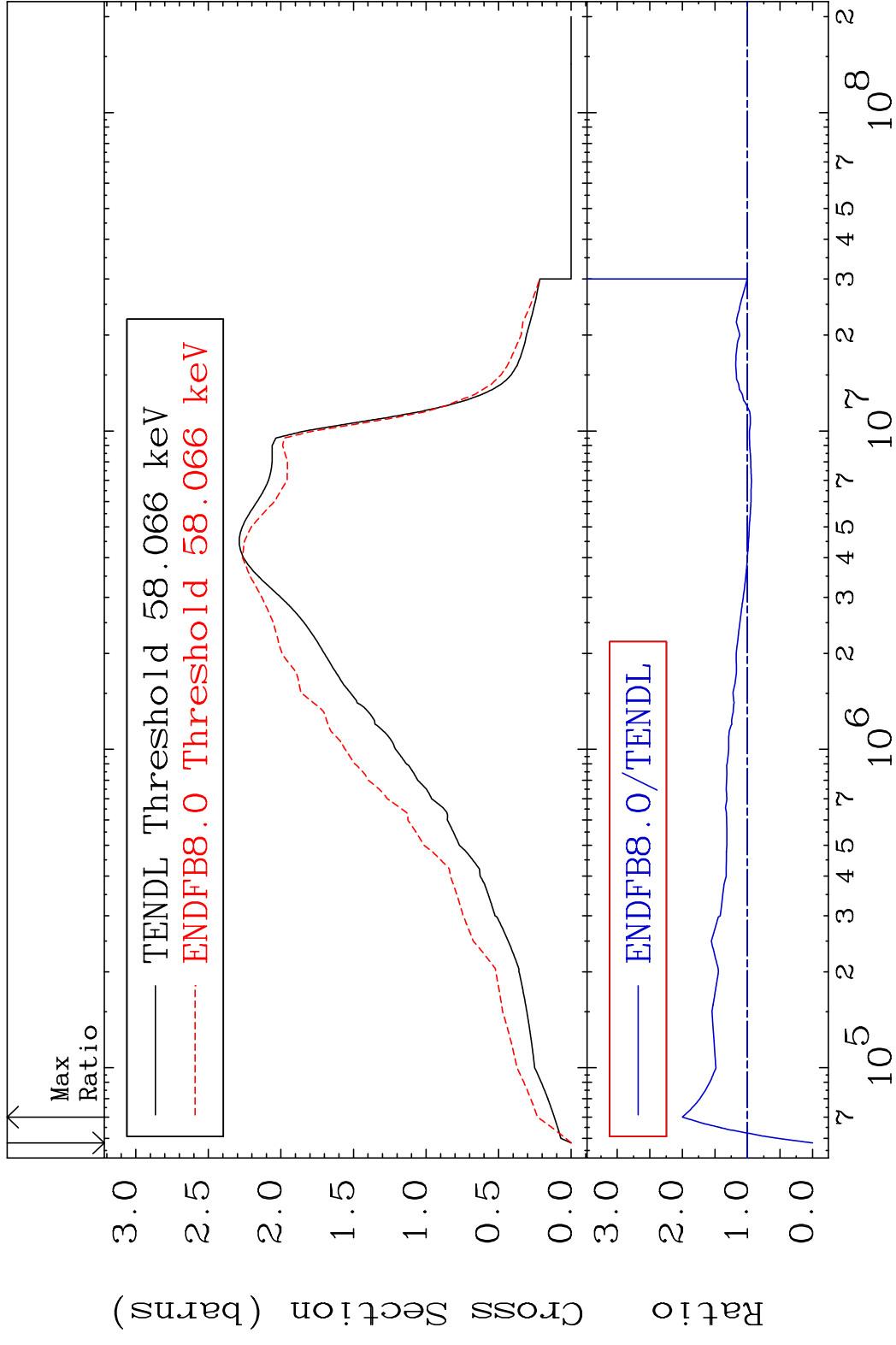


2

Incident Energy (eV)

53-I -127

MAT 5325 Inelastic 53-I -127  
 Cross Section -100.0 To 100.0 %

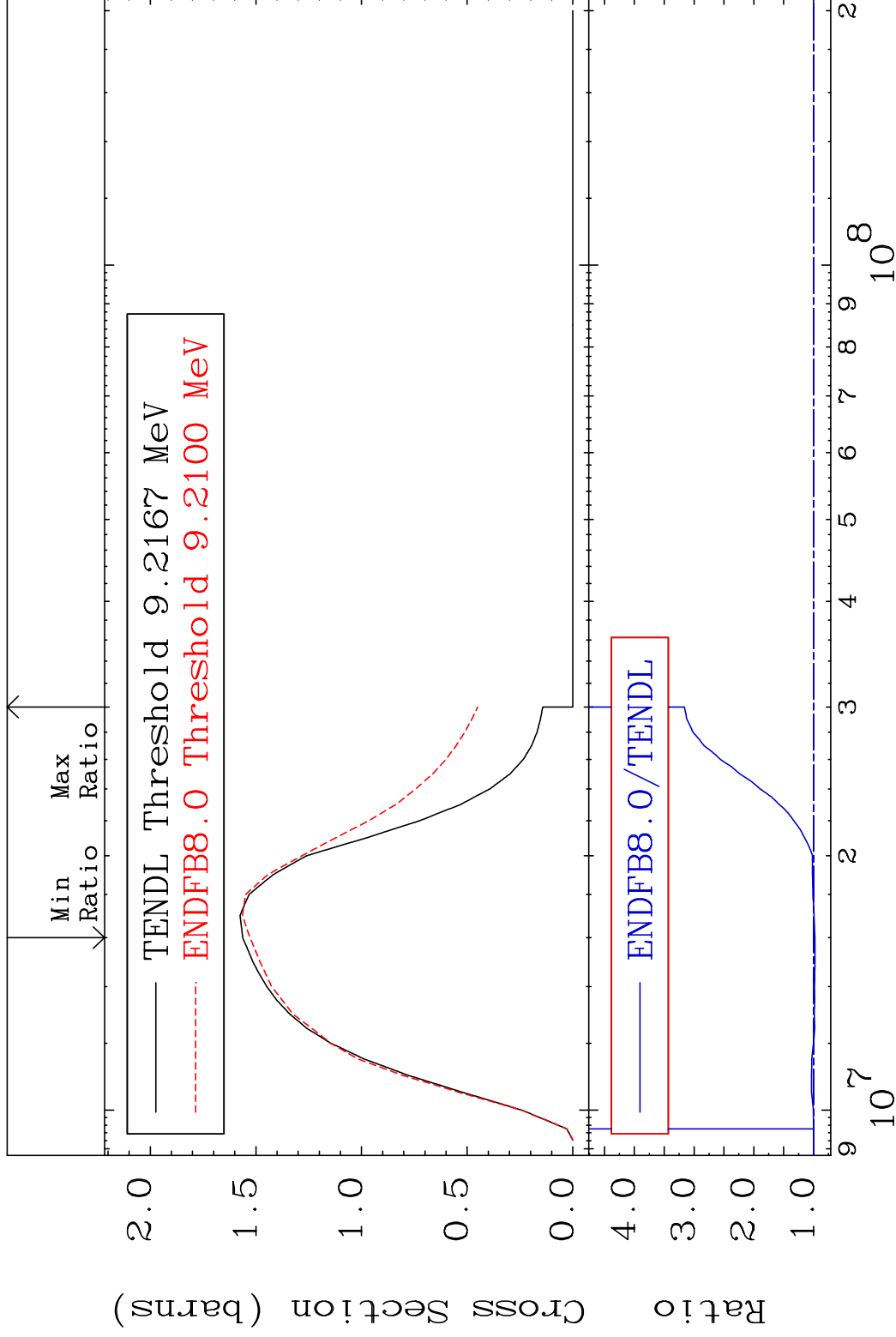


MAT 5325

(n,2n)

53-I -127

Cross Section -2.254 To 216.3 %



4

Incident Energy (eV)

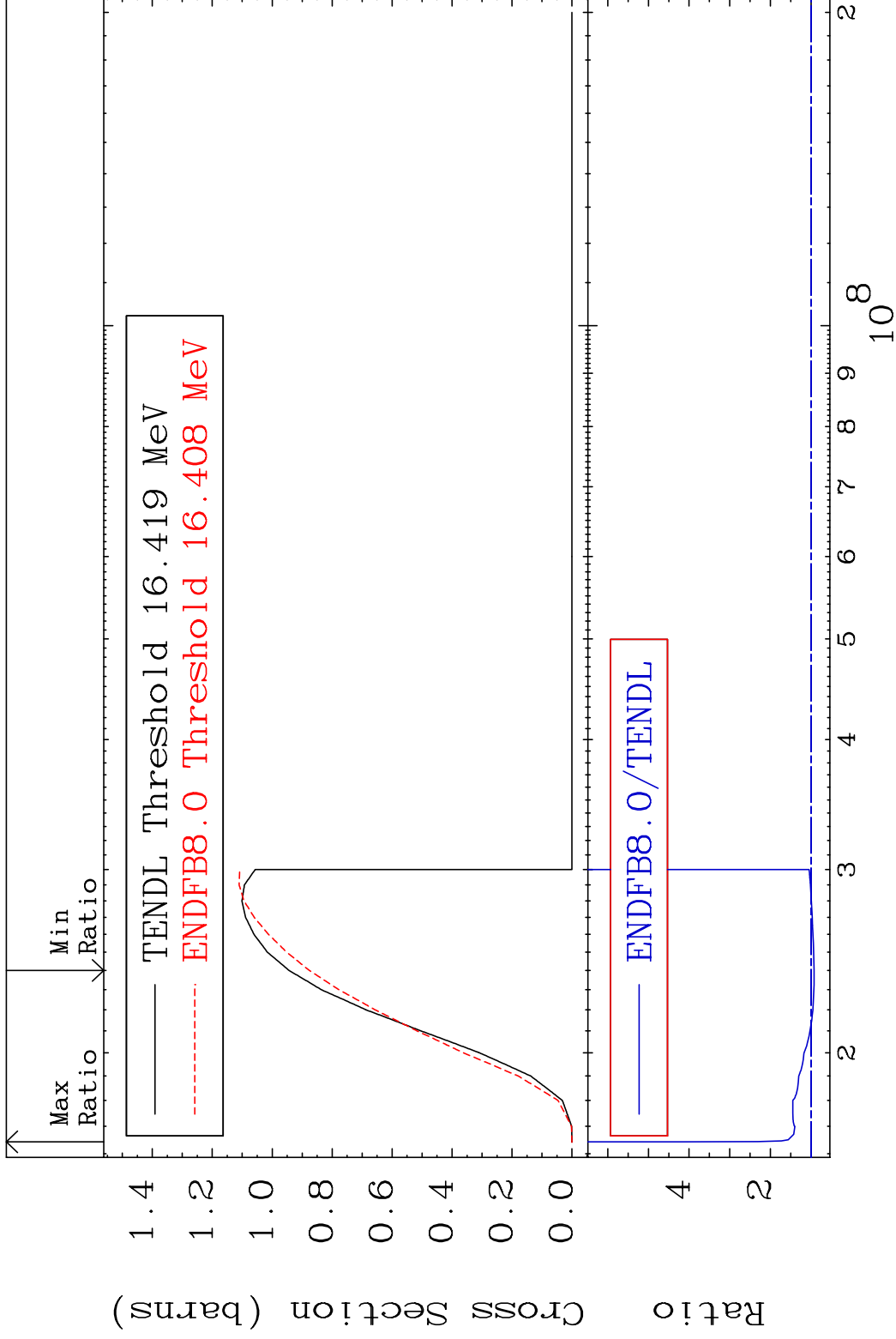
53-I -127

MAT 5325

(n,3n)

53-I -127

Cross Section -7.171 To 313.8 %



5

Incident Energy (eV)

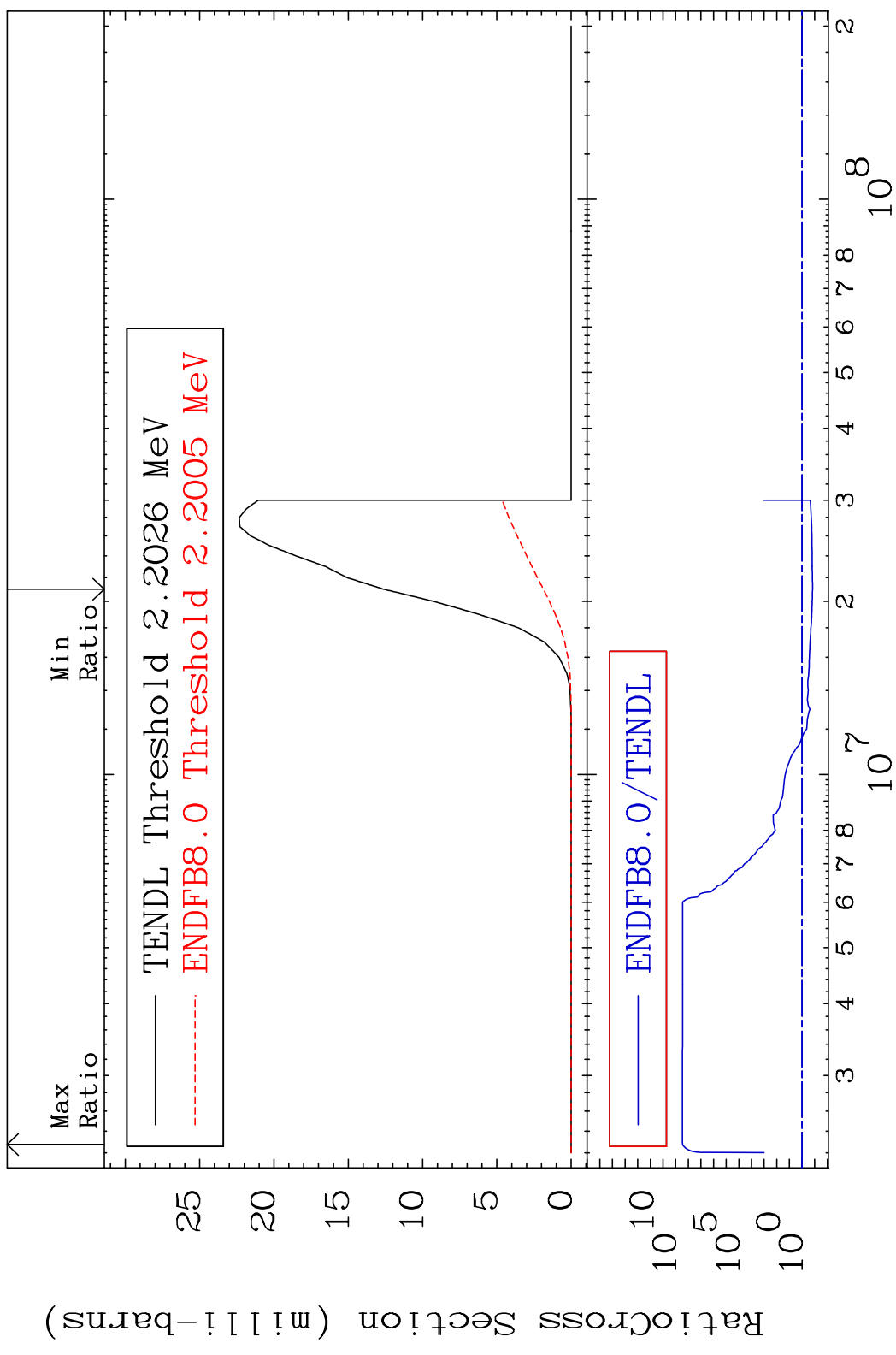
53-I -127

MAT 5325

(n, n')  $\alpha$

53-I -127

Cross Section -85.17 To 9999. %



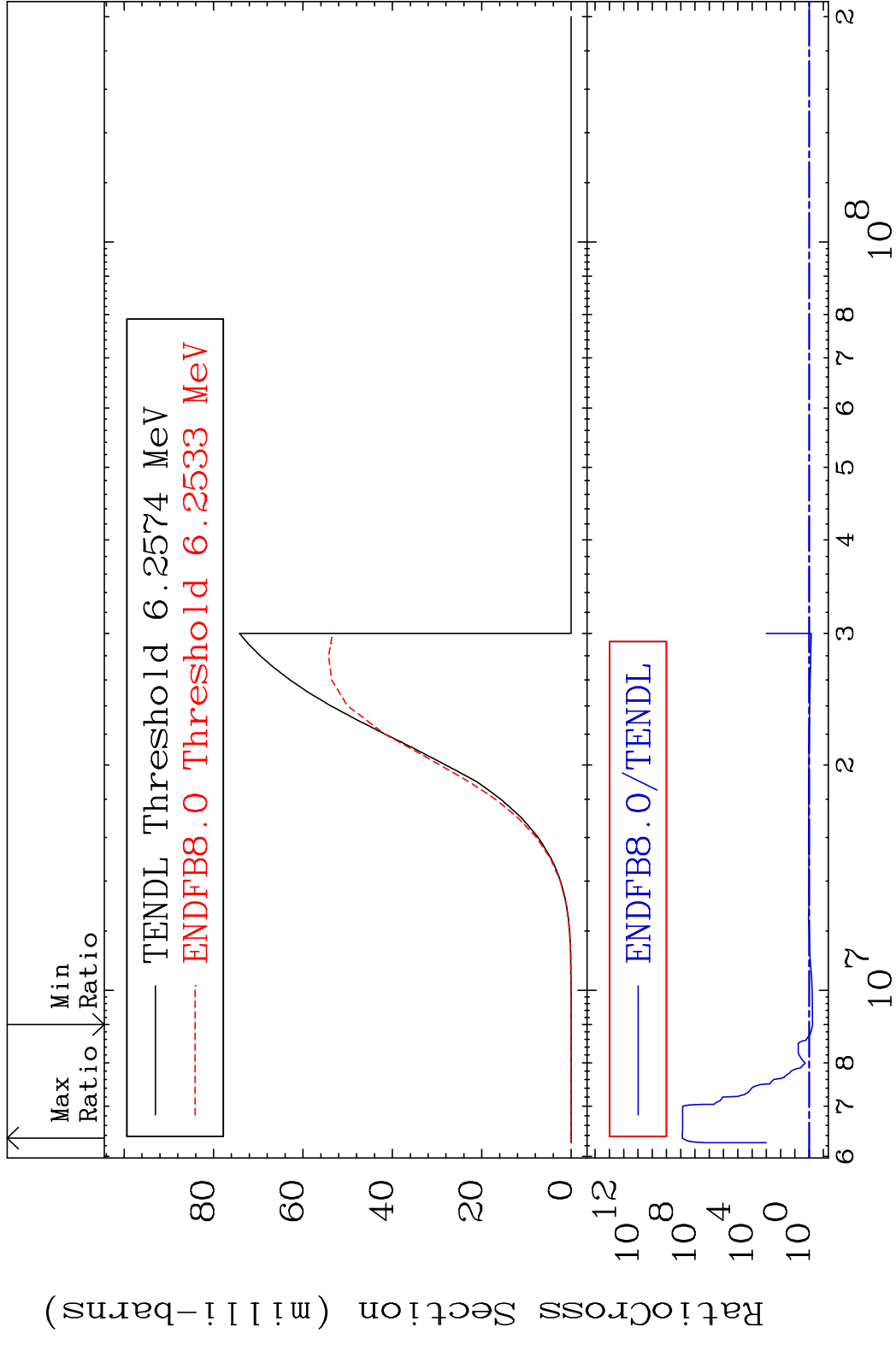
MAT 5325

(n,n') p

53-I -127

Cross Section

-42.34 To 9999. %



7

Incident Energy (eV)

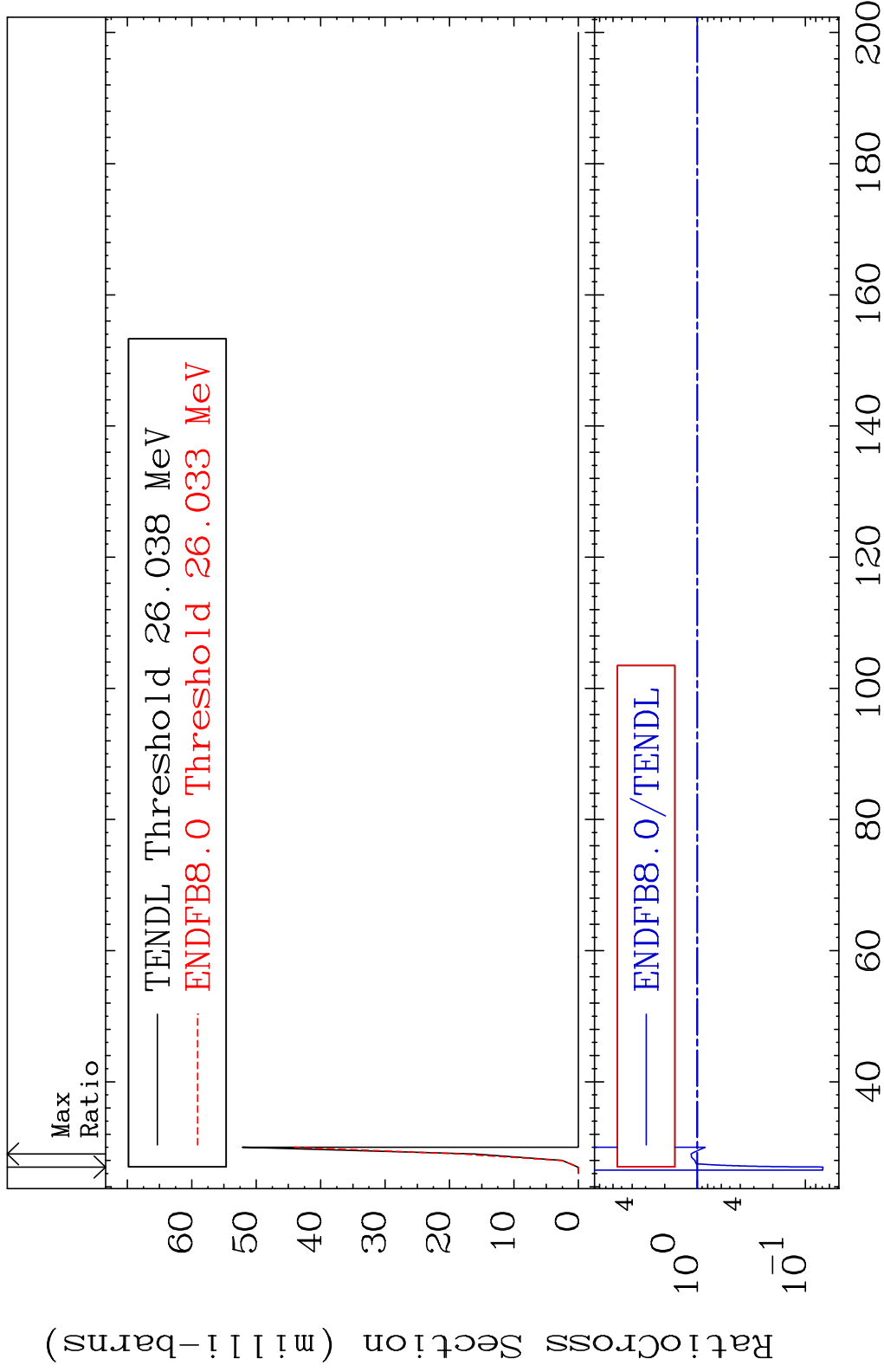
53-I -127

MAT 5325

(n,4n)

53-I -127

Cross Section -93.11 To 14.06 %

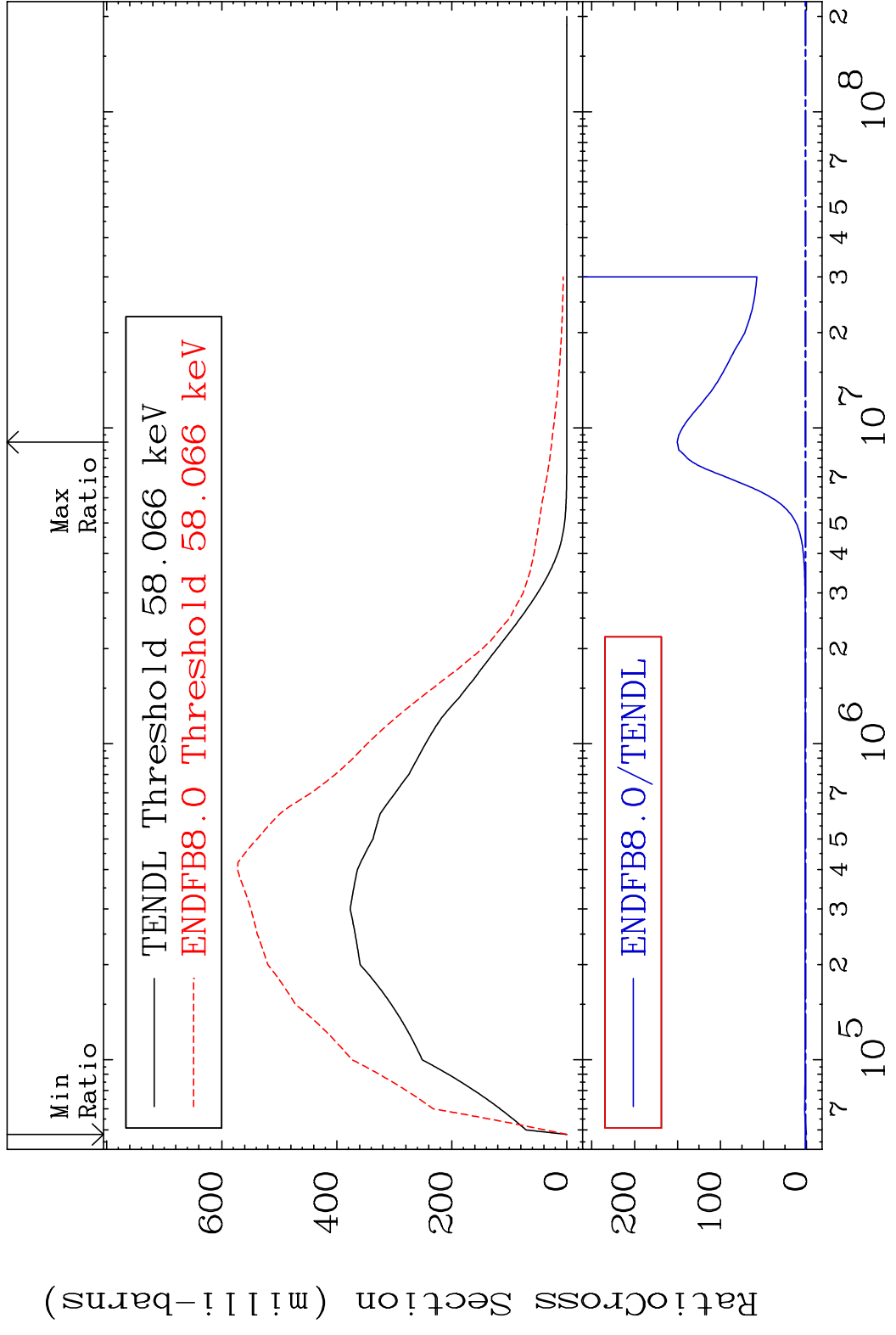


8

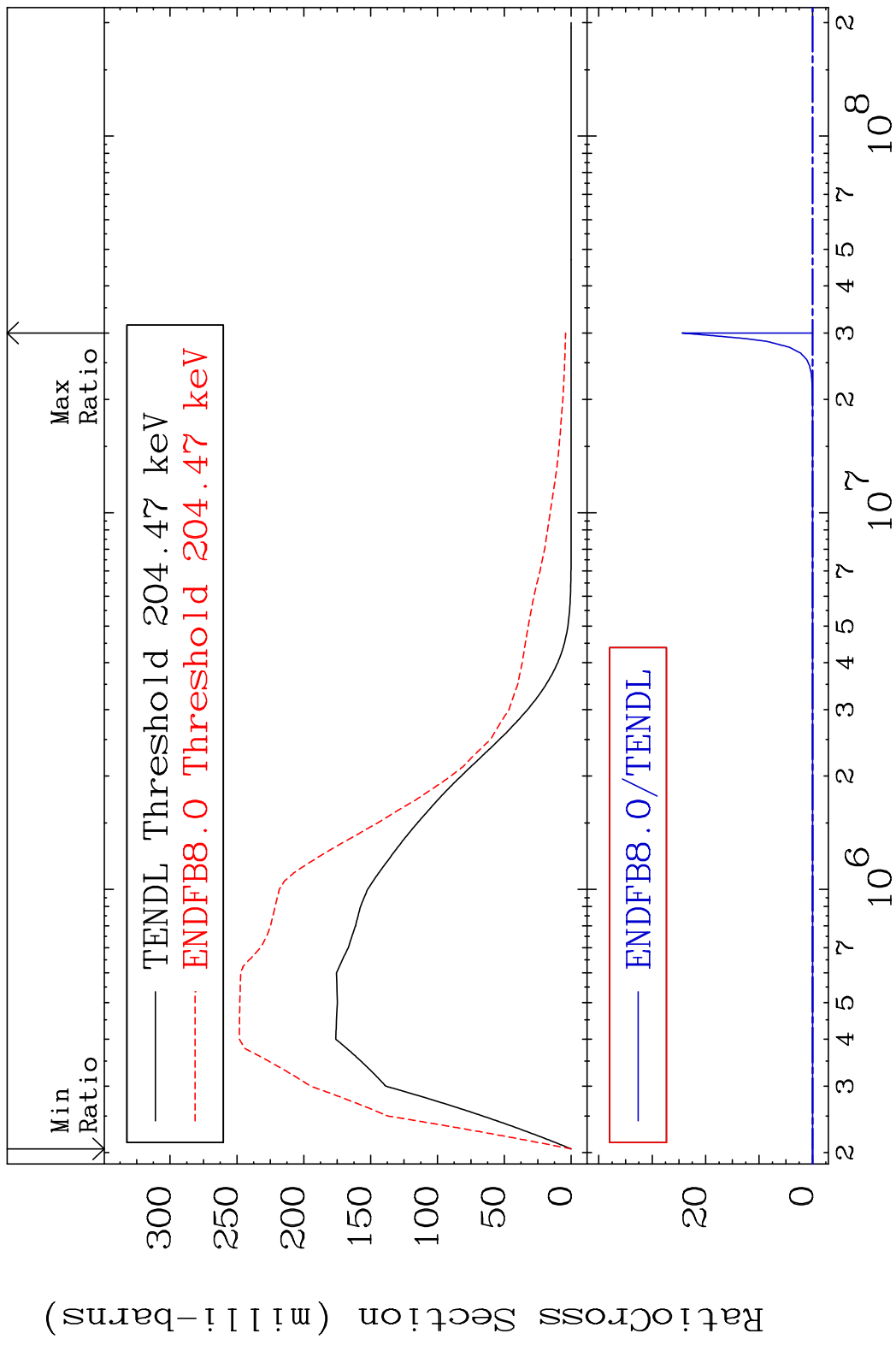
Incident Energy (MeV)

53-I -127

MAT 5325 MT= 51 (n,n') Level 53-I -127  
 Cross Section -100.0 To 9999. %

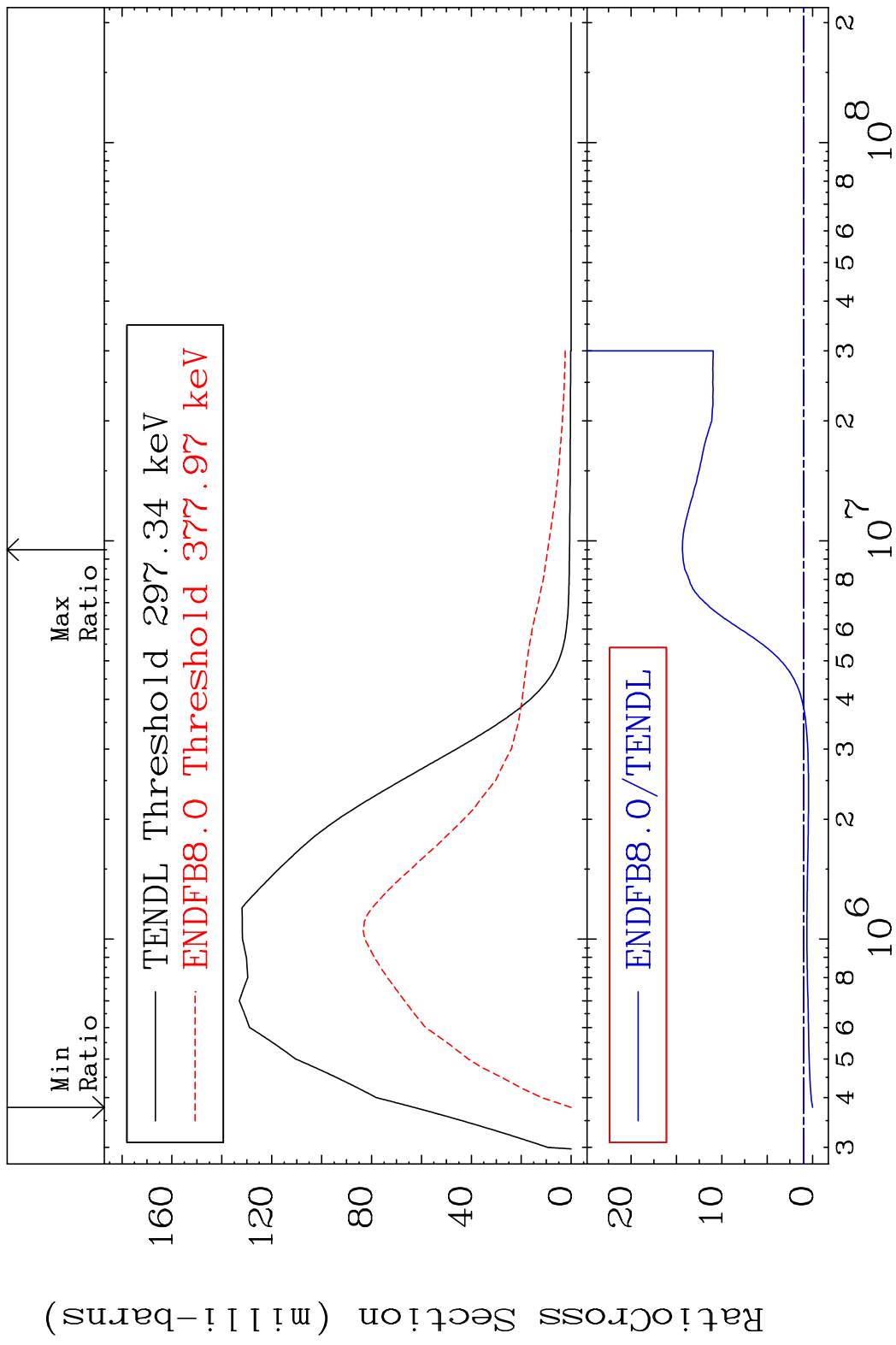


MAT 5325 MT= 52 (n,n') Level 53-I -127  
 Cross Section -100.0 To 9999. %

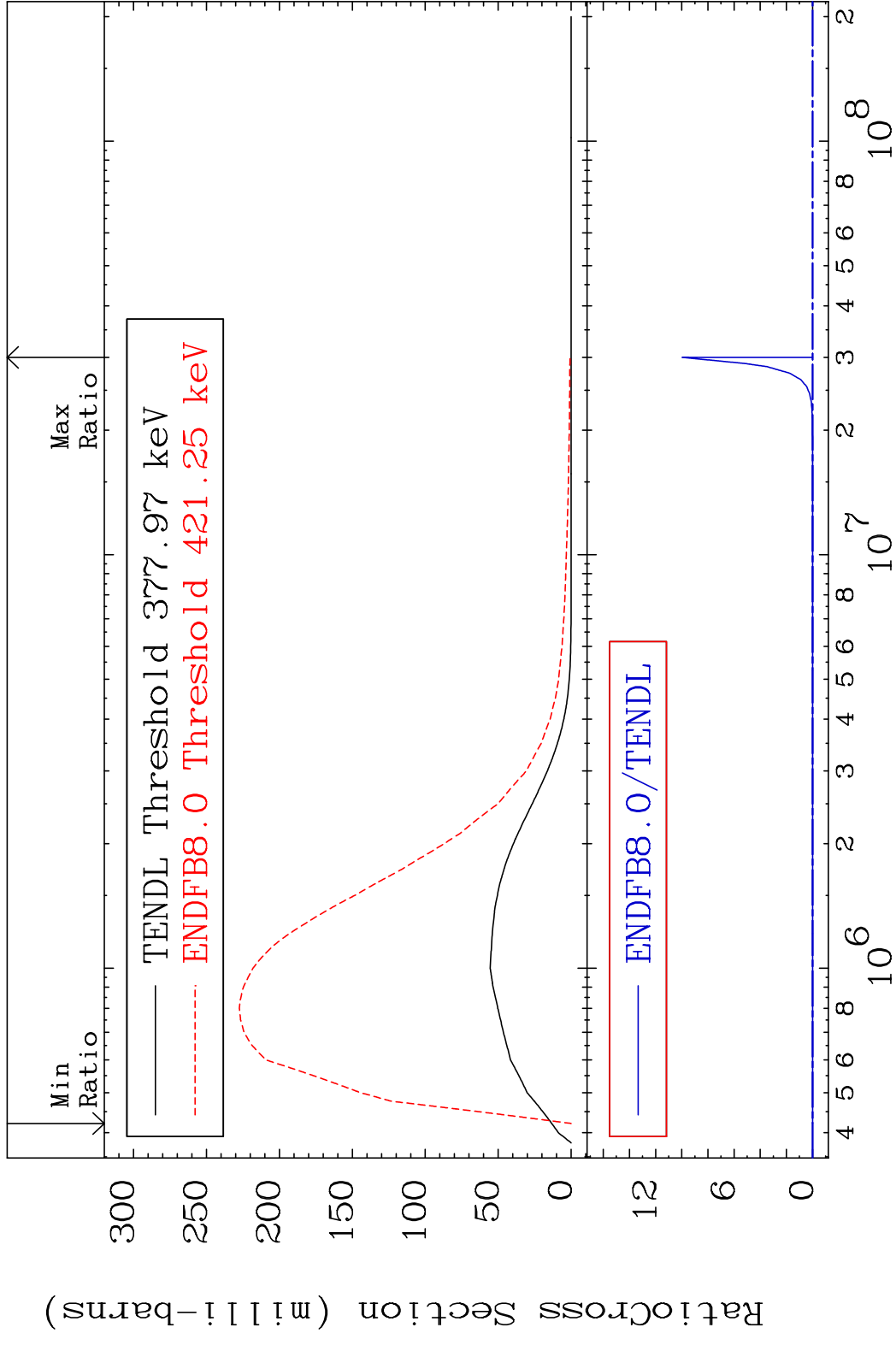


10 Incident Energy (eV) 53-I -127

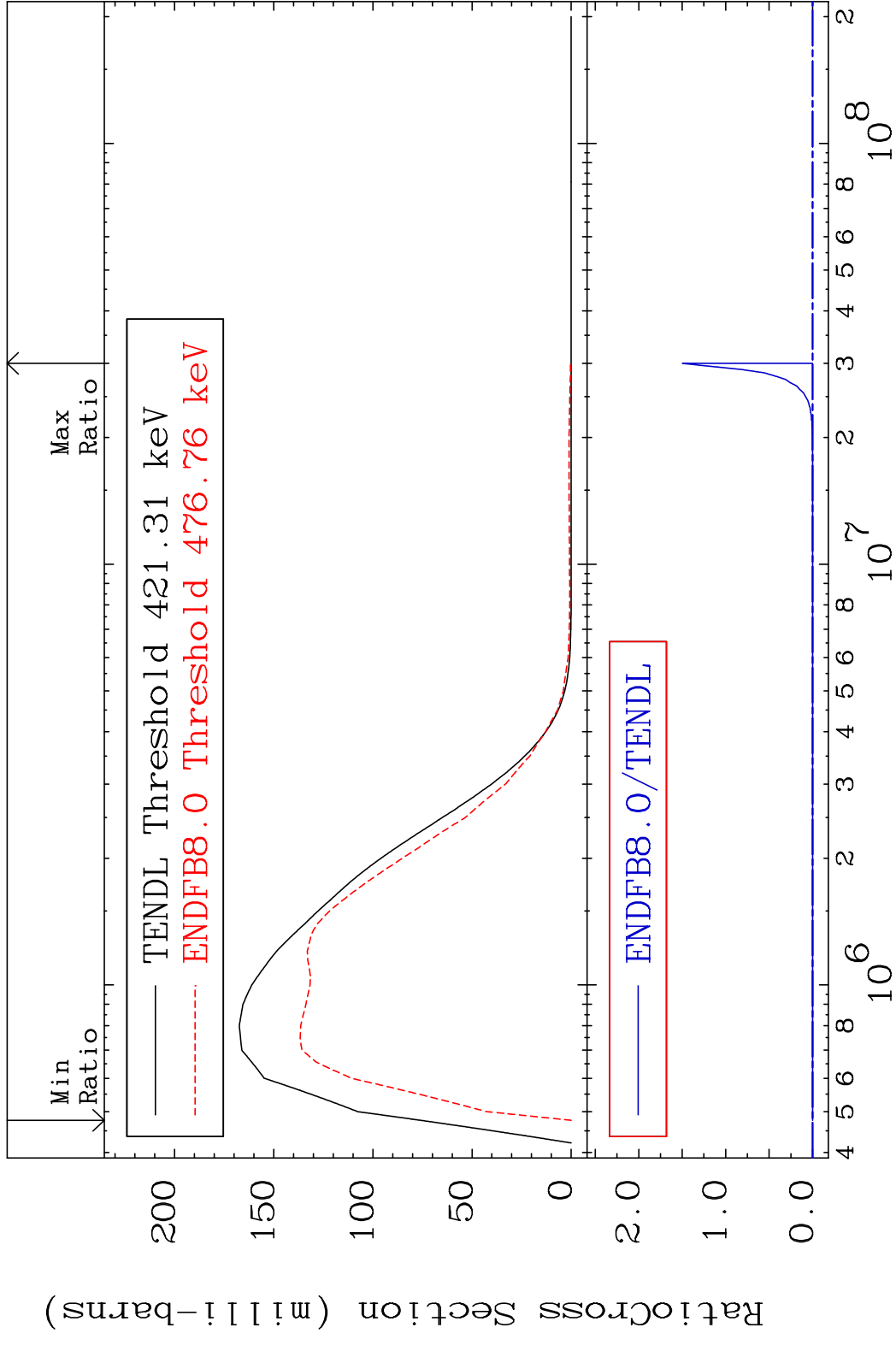
MAT 5325 MT= 53 (n, n') Level 53-I -127  
 Cross Section -100.0 To 1336. %



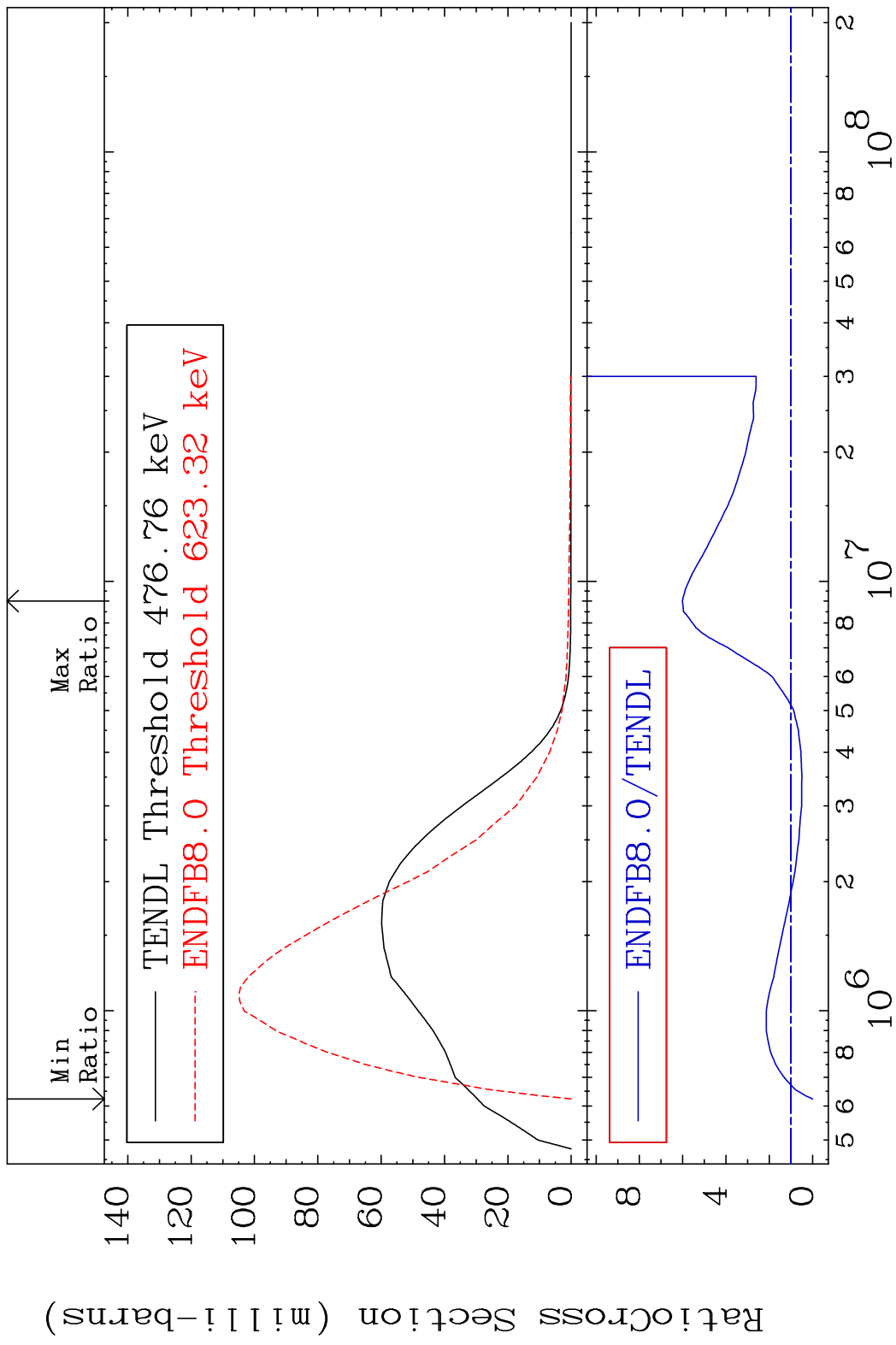
MAT 5325 MT= 54 (n,n') Level 53-I -127  
 Cross Section -100.0 To 9999. %



MAT 5325 MT= 55 (n,n') Level 53-I -127  
 Cross Section -100.0 To 9999. %

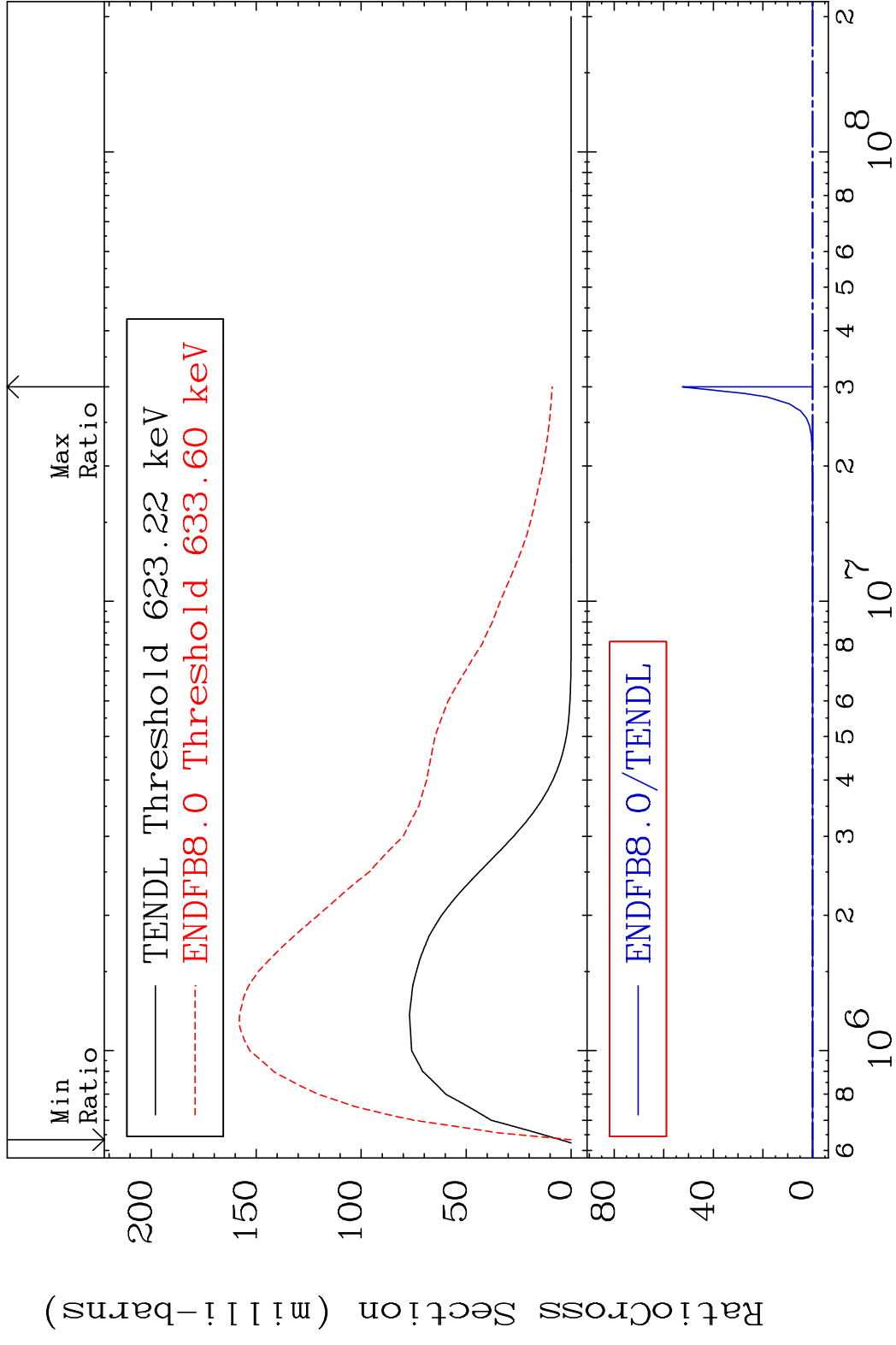


MAT 5325 MT= 56 (n, n') Level 53-I -127  
 Cross Section -100.0 To 501.5 %



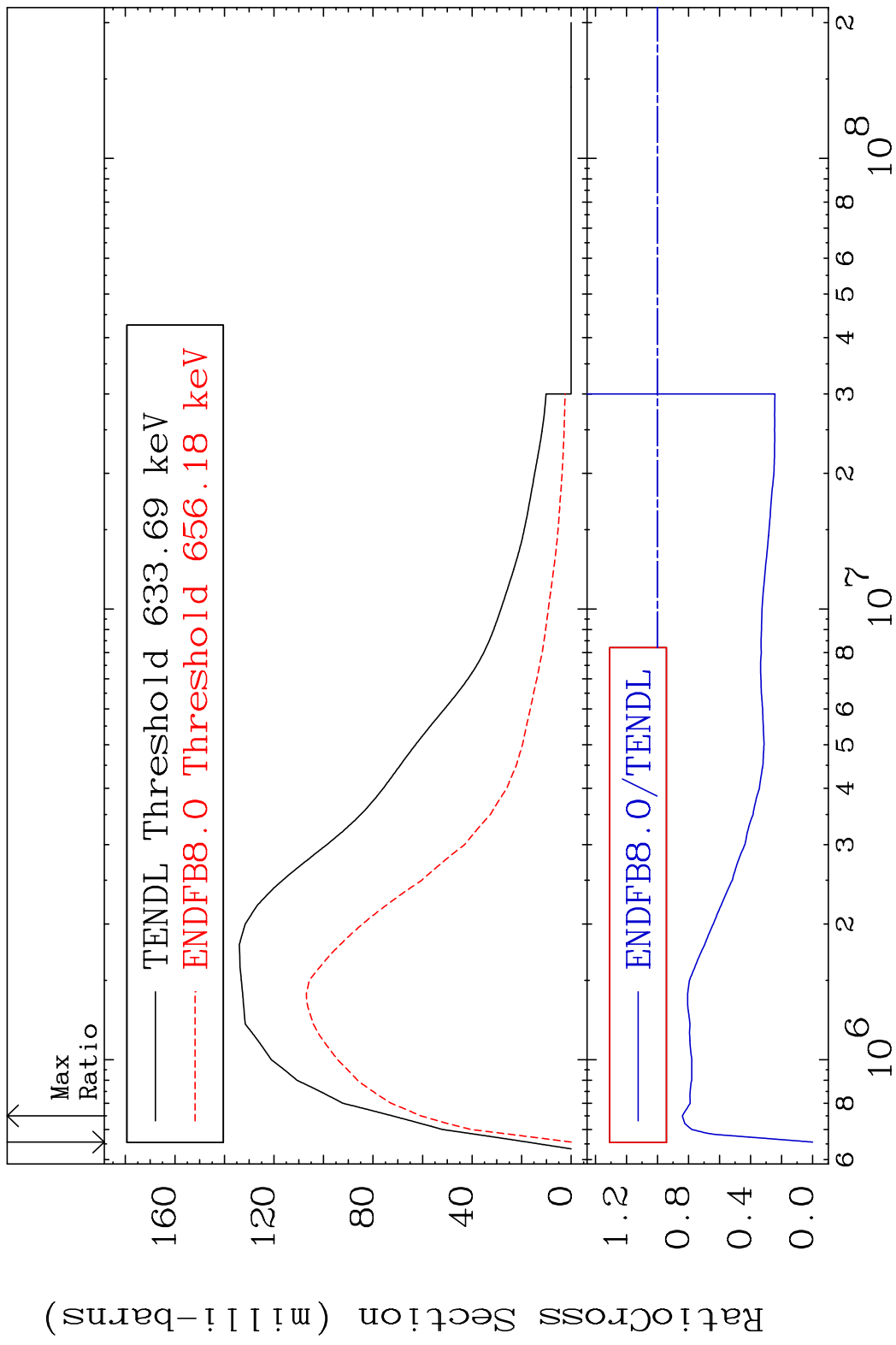
14 Incident Energy (eV) 53-I -127

MAT 5325 MT= 57 (n, n') Level 53-I -127  
 Cross Section -100.0 To 9999. %



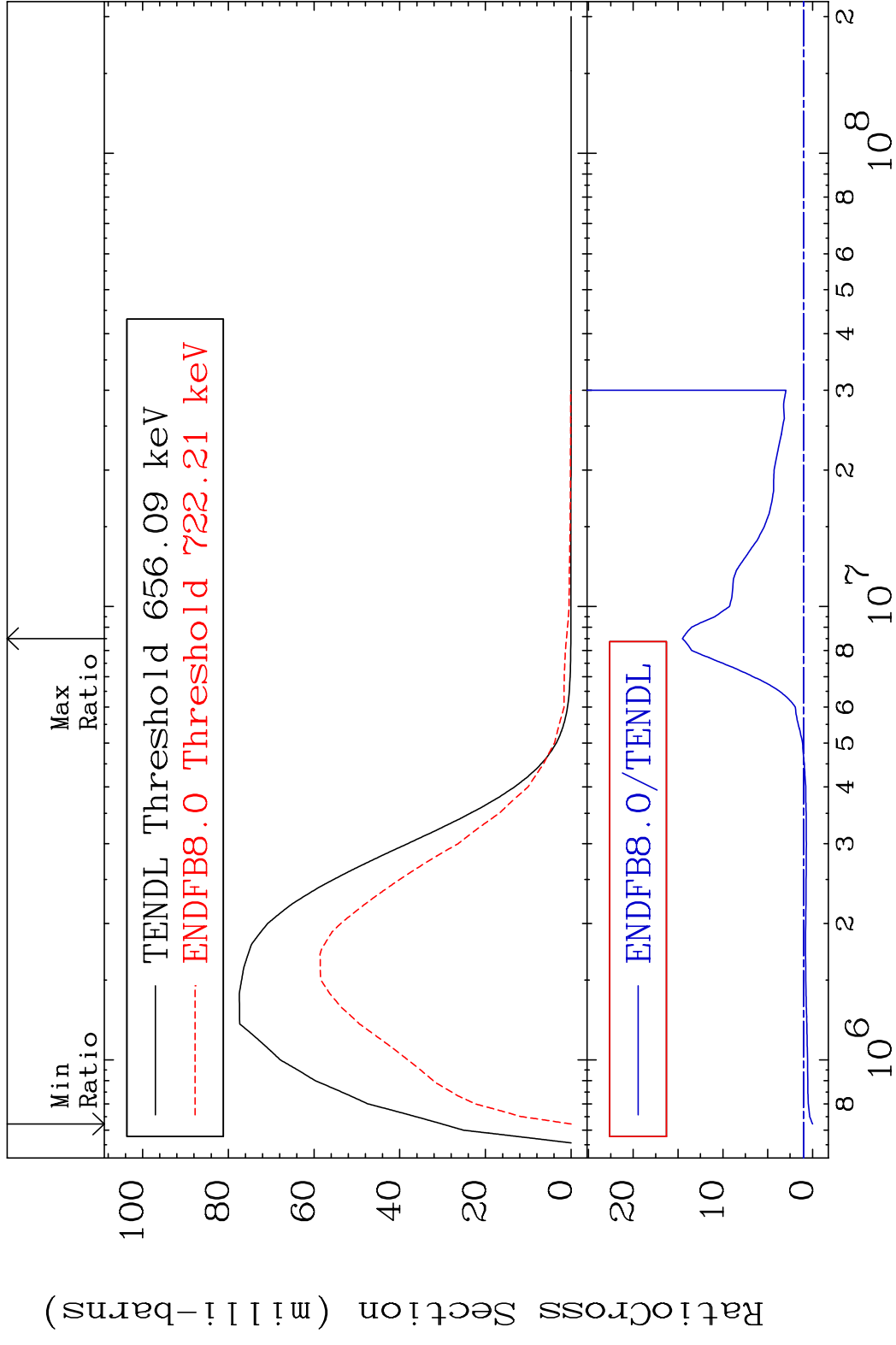
15 Incident Energy (eV) 53-I -127

MAT 5325 MT= 58 (n,n') Level 53-I -127  
 Cross Section -100.0 To -16.03%

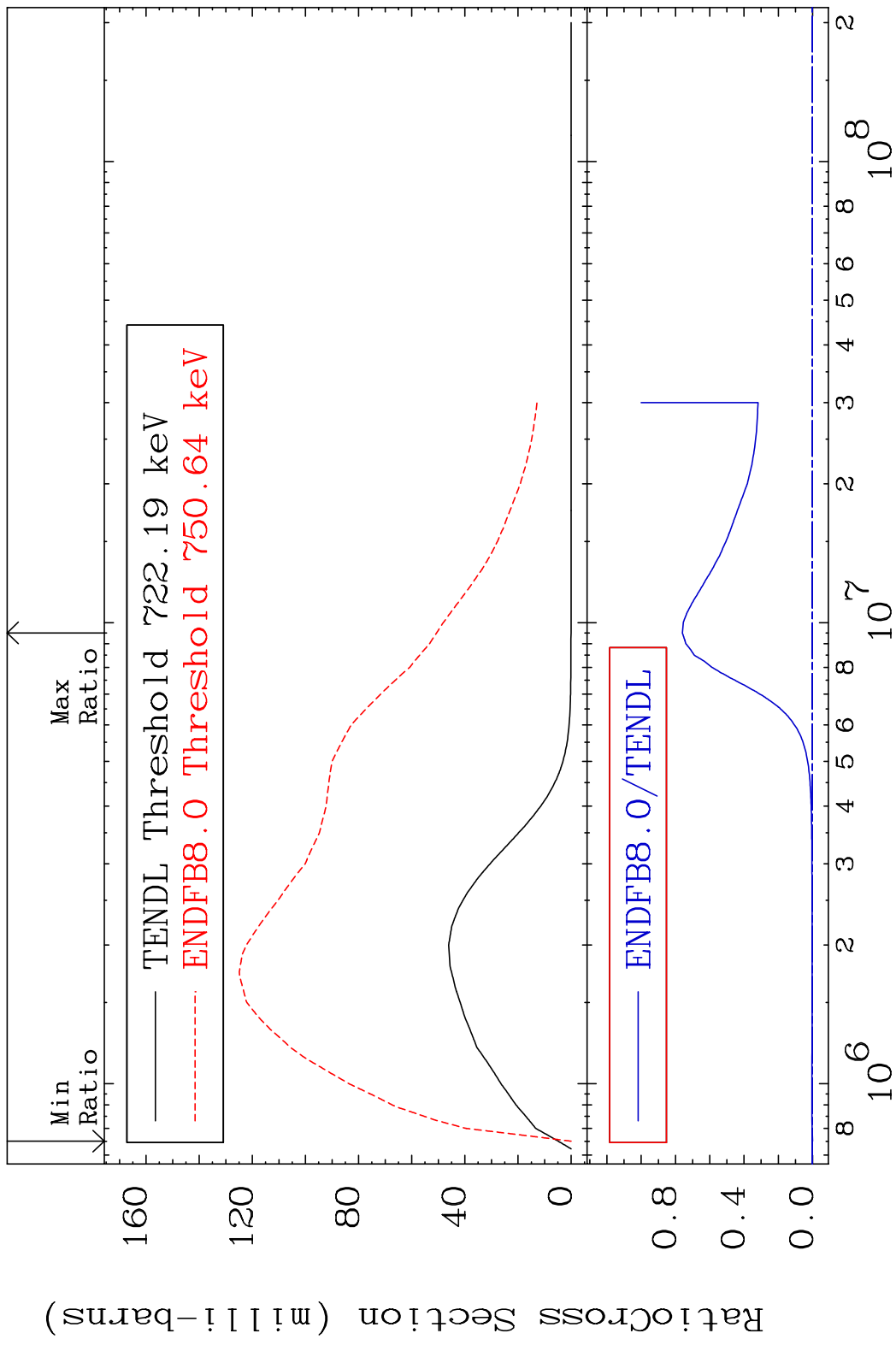


16 Incident Energy (eV) 53-I -127

MAT 5325 MT= 59 (n, n') Level 53-I -127  
 Cross Section -100.0 To 1352. %

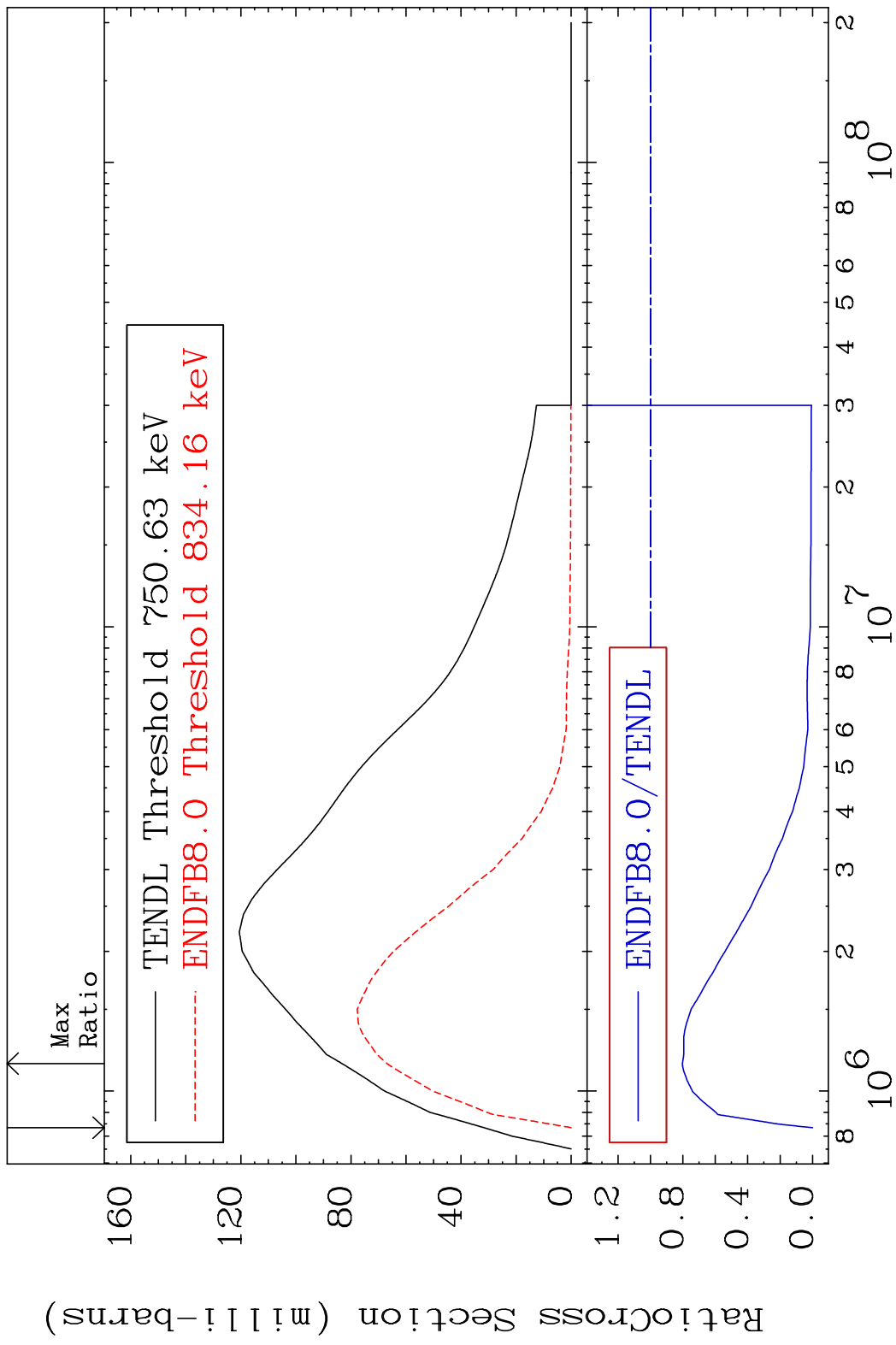


MAT 5325 MT= 60 (n,n') Level 53-I -127  
 Cross Section -100.0 To 9999. %



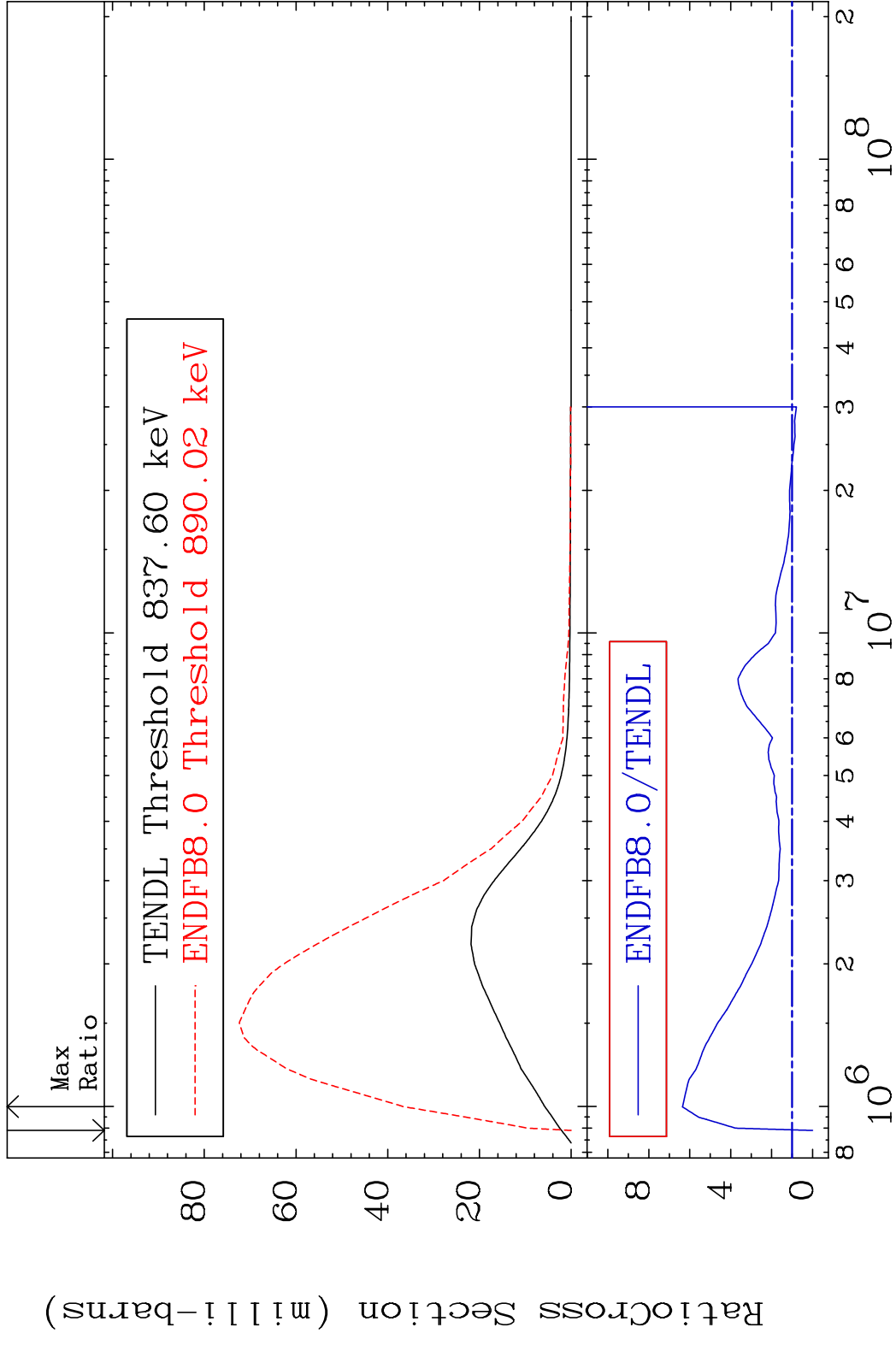
18 Incident Energy (eV) 53-I -127

MAT 5325 MT= 61 (n,n') Level 53-I -127  
 Cross Section -100.0 To -19.69%



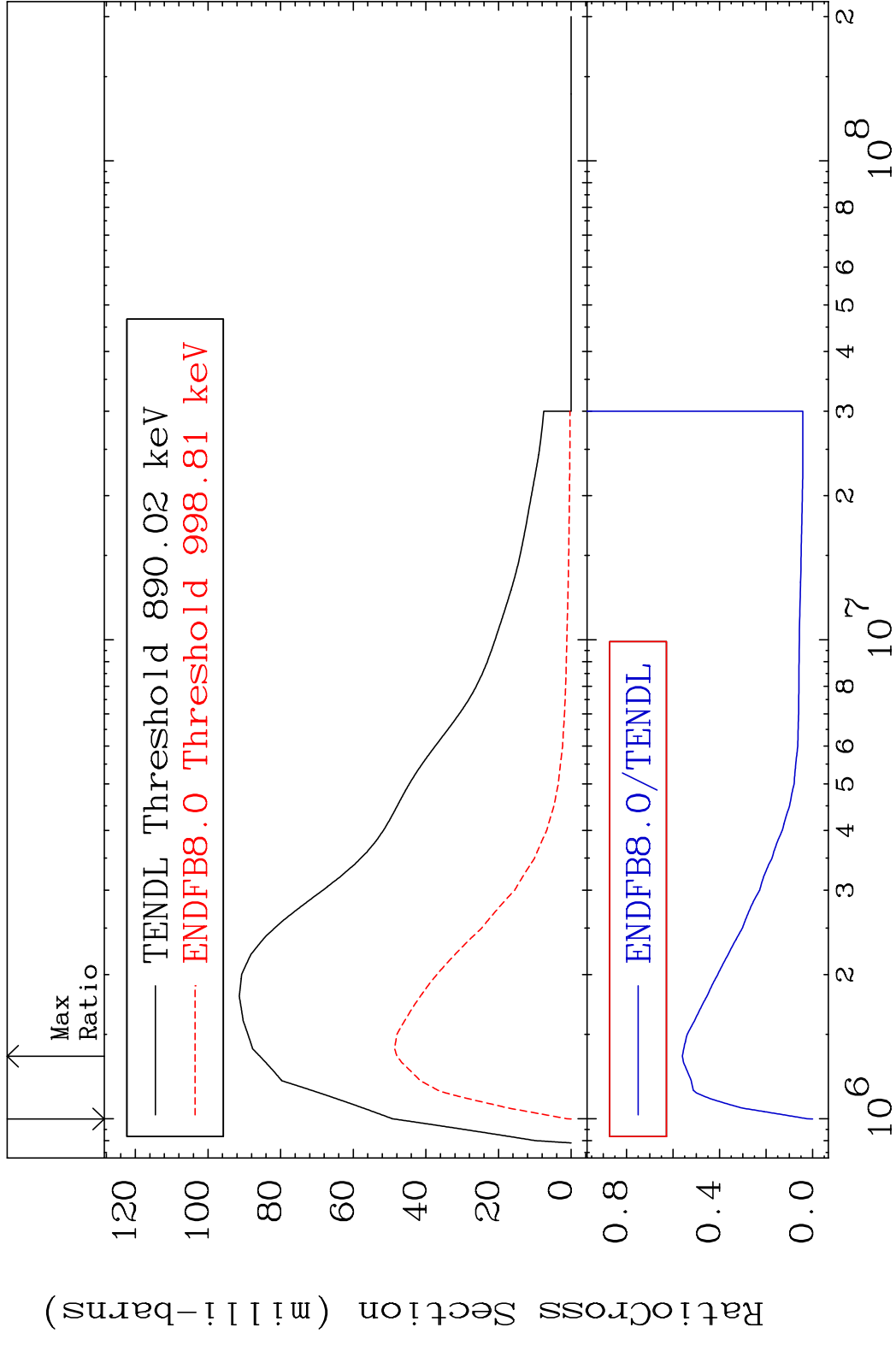
19 Incident Energy (eV) 53-I -127

MAT 5325 MT= 62 (n,n') Level 53-I -127  
 Cross Section -100.0 To 536.2 %



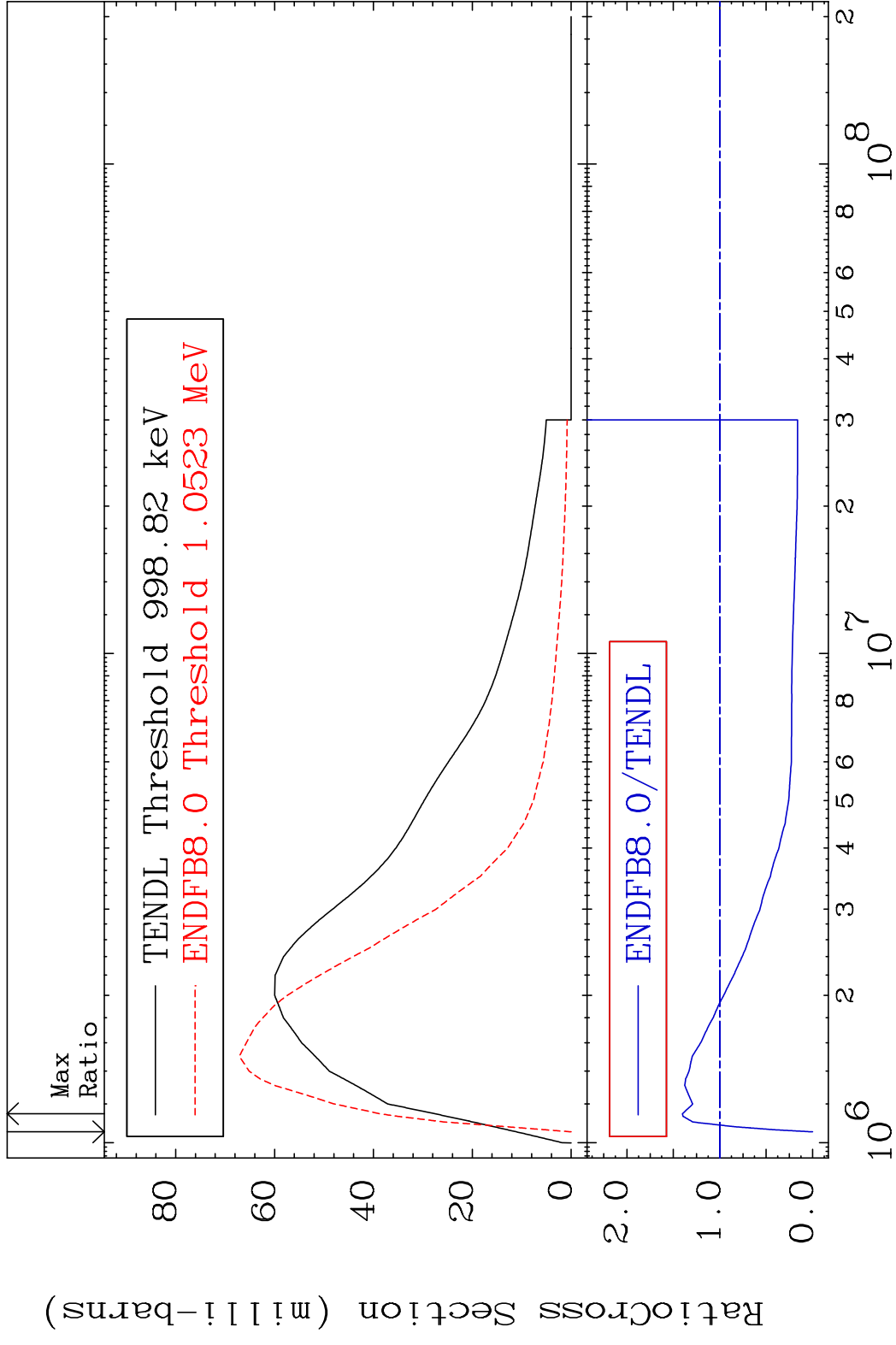
20 Incident Energy (eV) 53-I -127

MAT 5325 MT= 63 (n,n') Level 53-I -127  
 Cross Section -100.0 To -44.02%



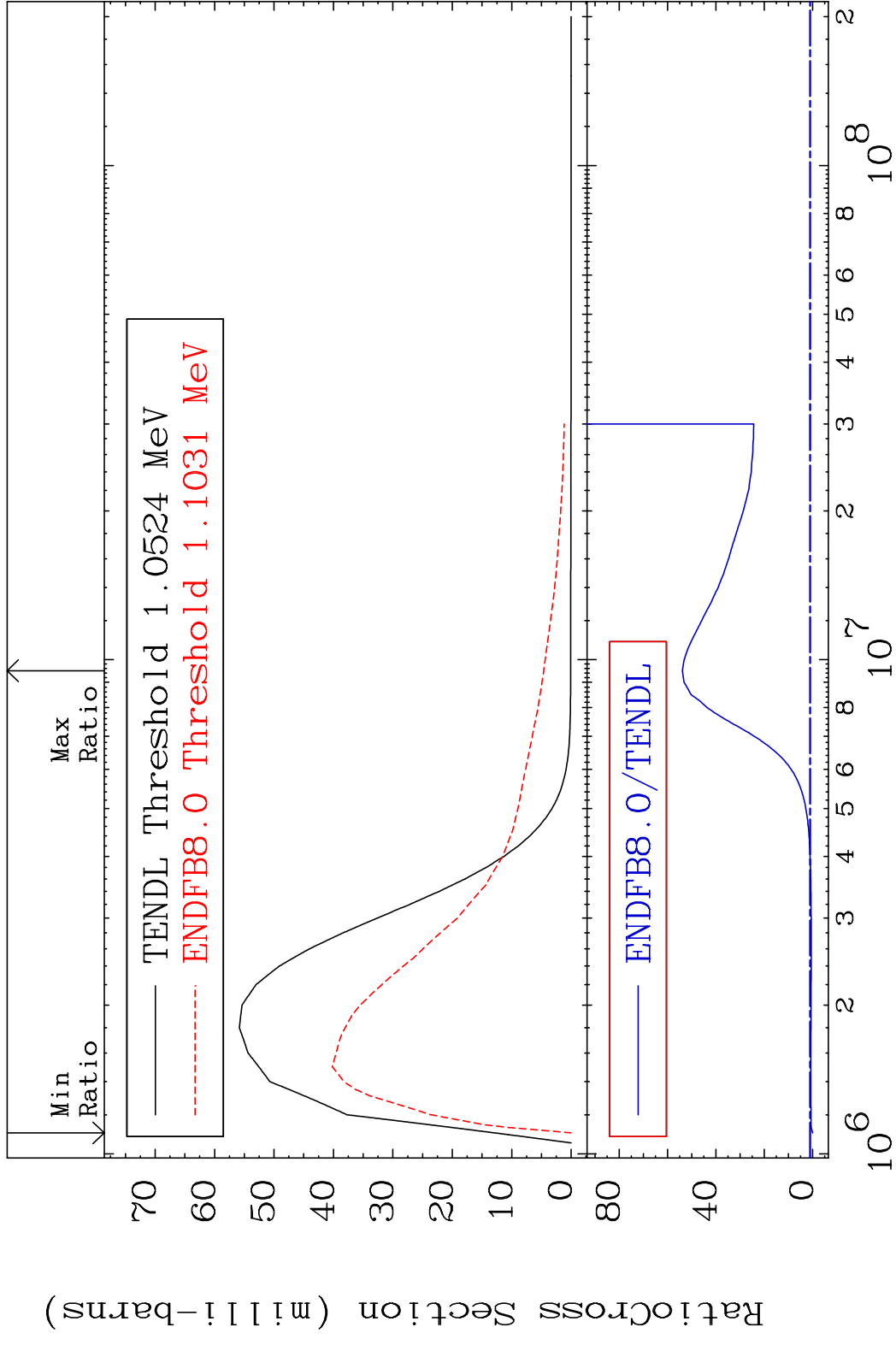
21 Incident Energy (eV) 53-I -127

MAT 5325 MT= 64 (n,n') Level 53-I -127  
 Cross Section -100.0 To 40.30 %



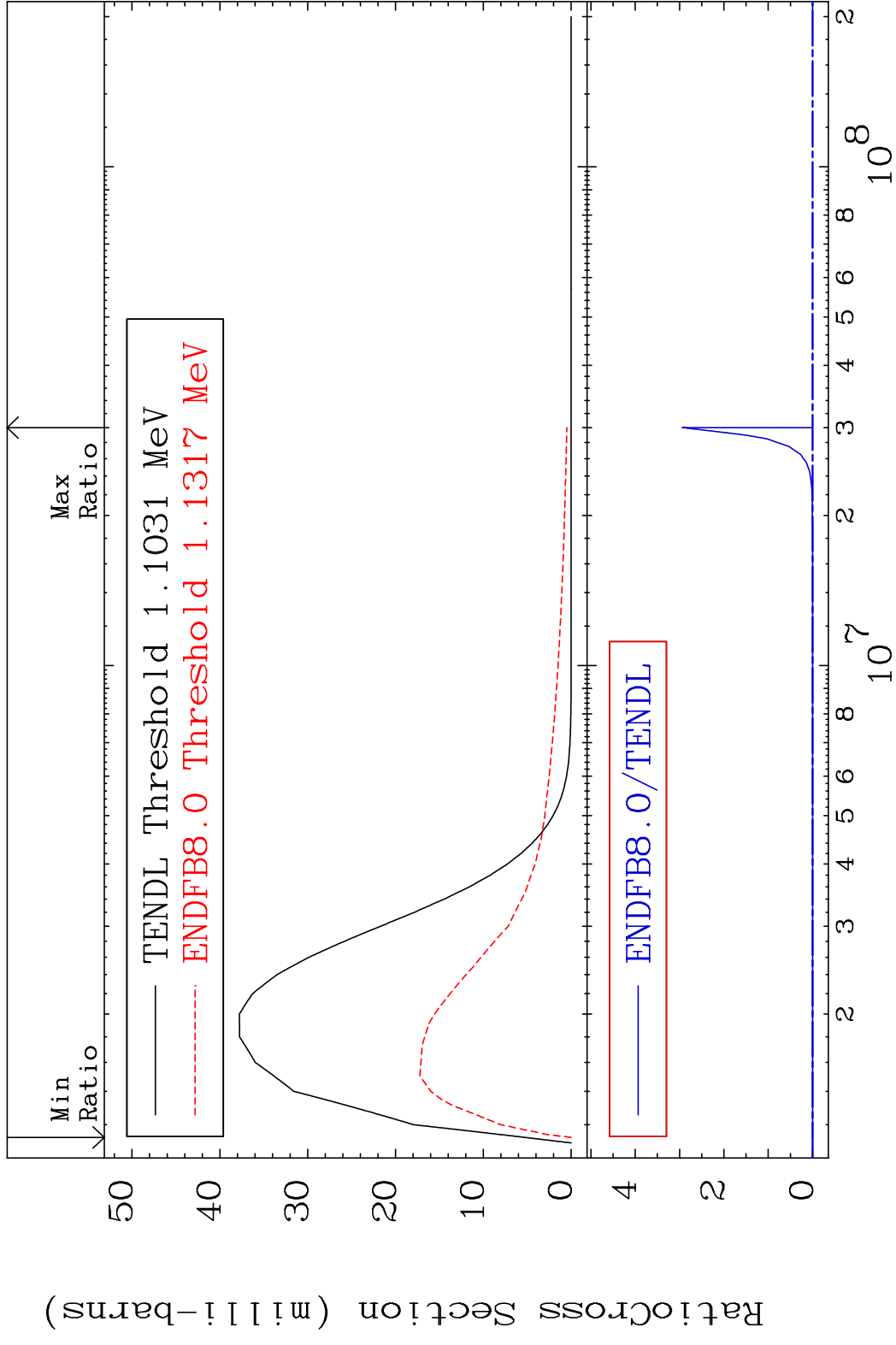
22 Incident Energy (eV) 53-I -127

MAT 5325 MT= 65 (n, n') Level 53-I -127  
 Cross Section -100.0 To 5285. %

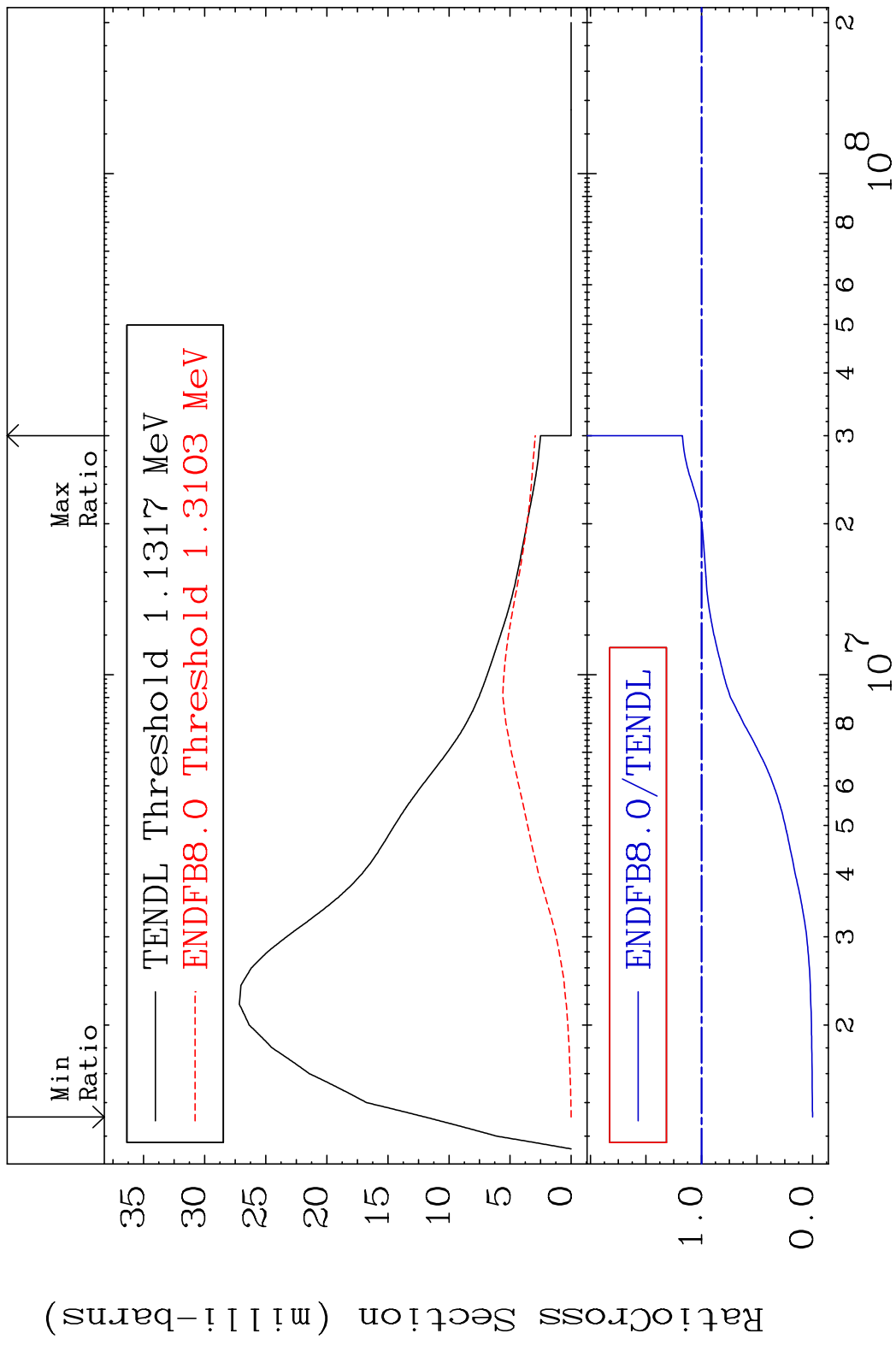


23 Incident Energy (eV) 53-I -127

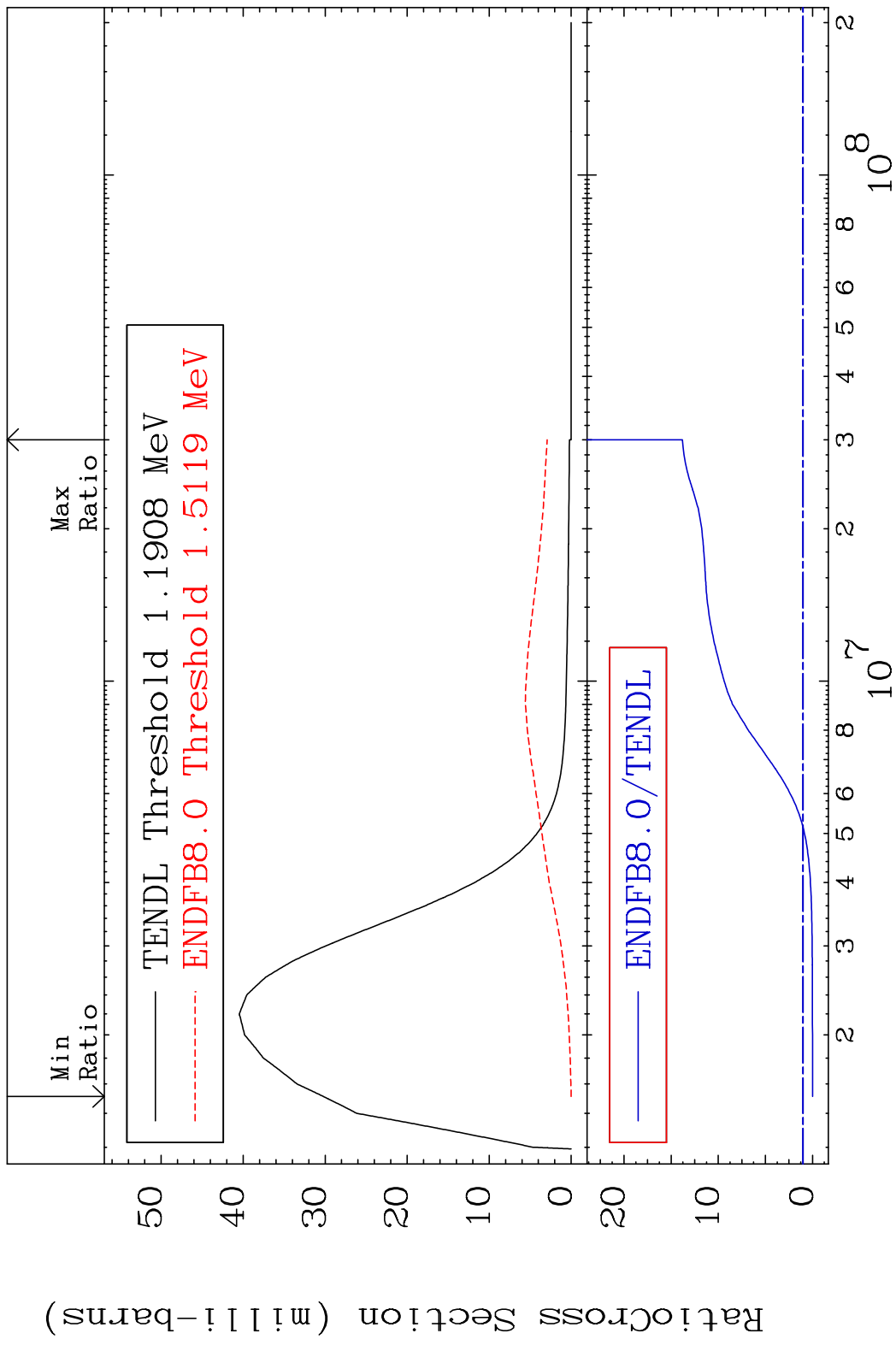
MAT 5325 MT= 66 (n, n') Level 53-I -127  
 Cross Section -100.0 To 9999. %



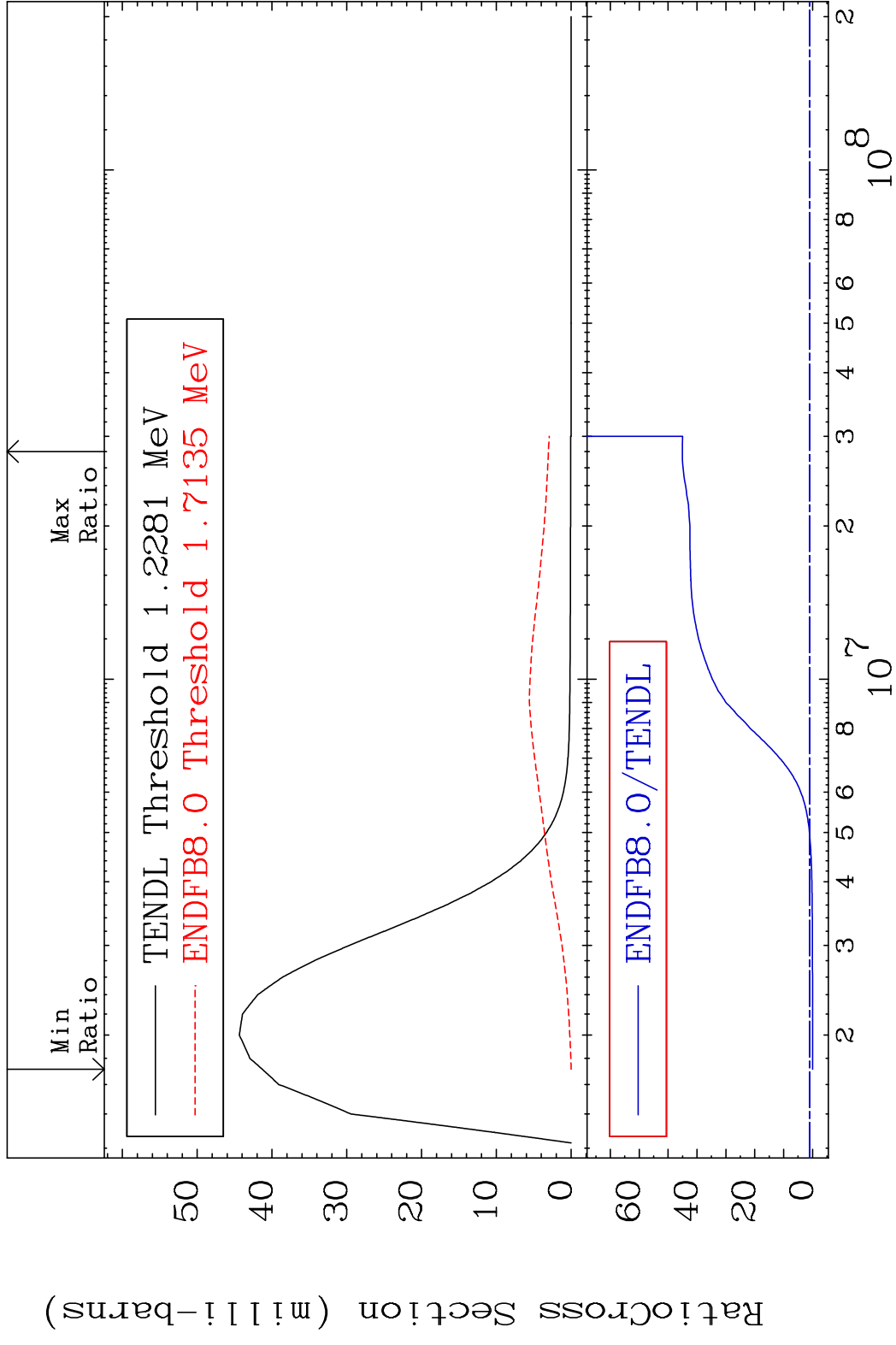
MAT 5325 MT= 67 (n, n') Level 53-I -127  
 Cross Section -100.0 To 17.25 %



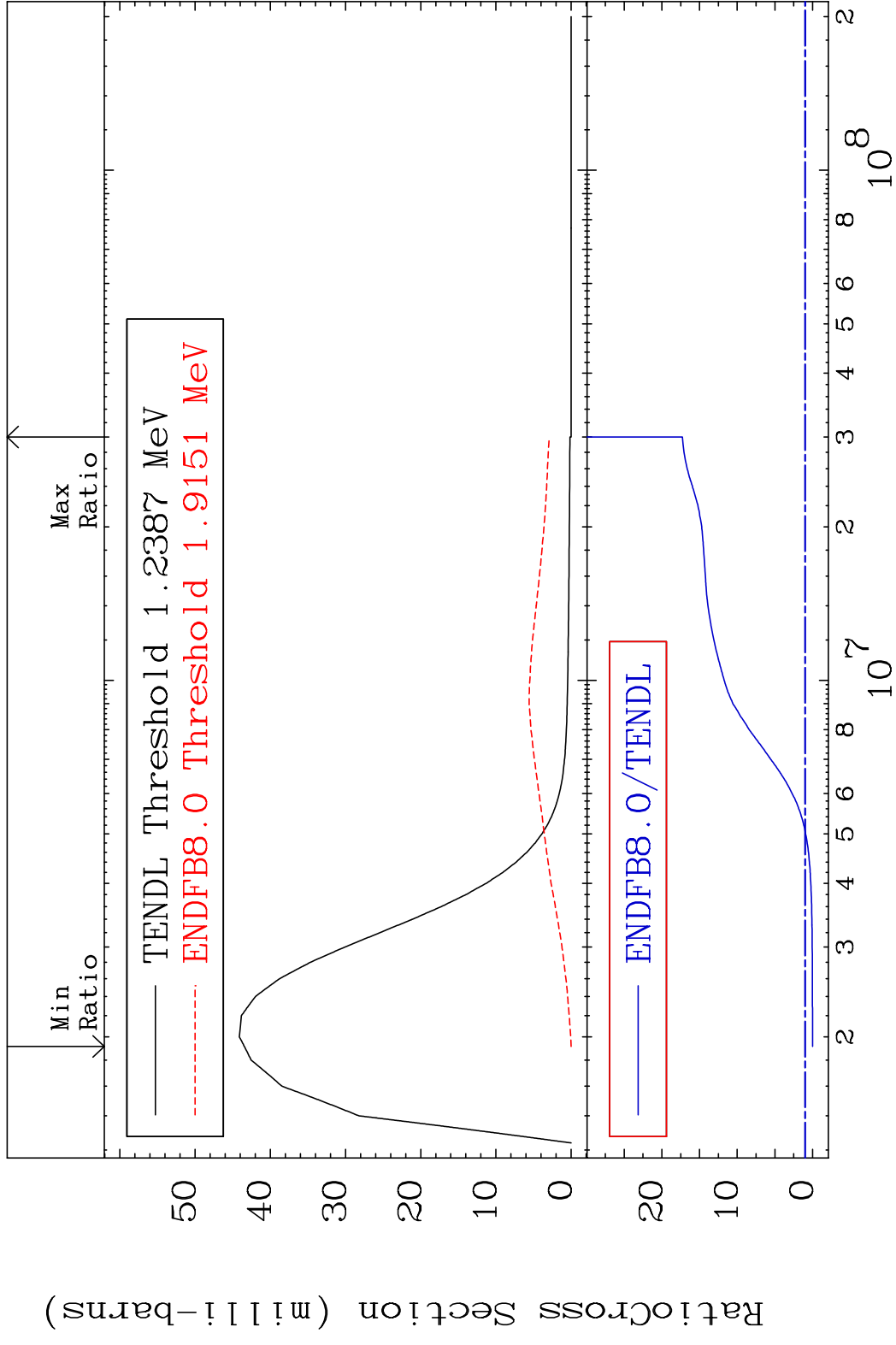
MAT 5325 MT= 68 (n, n') Level 53-I -127  
 Cross Section -100.0 To 1281. %



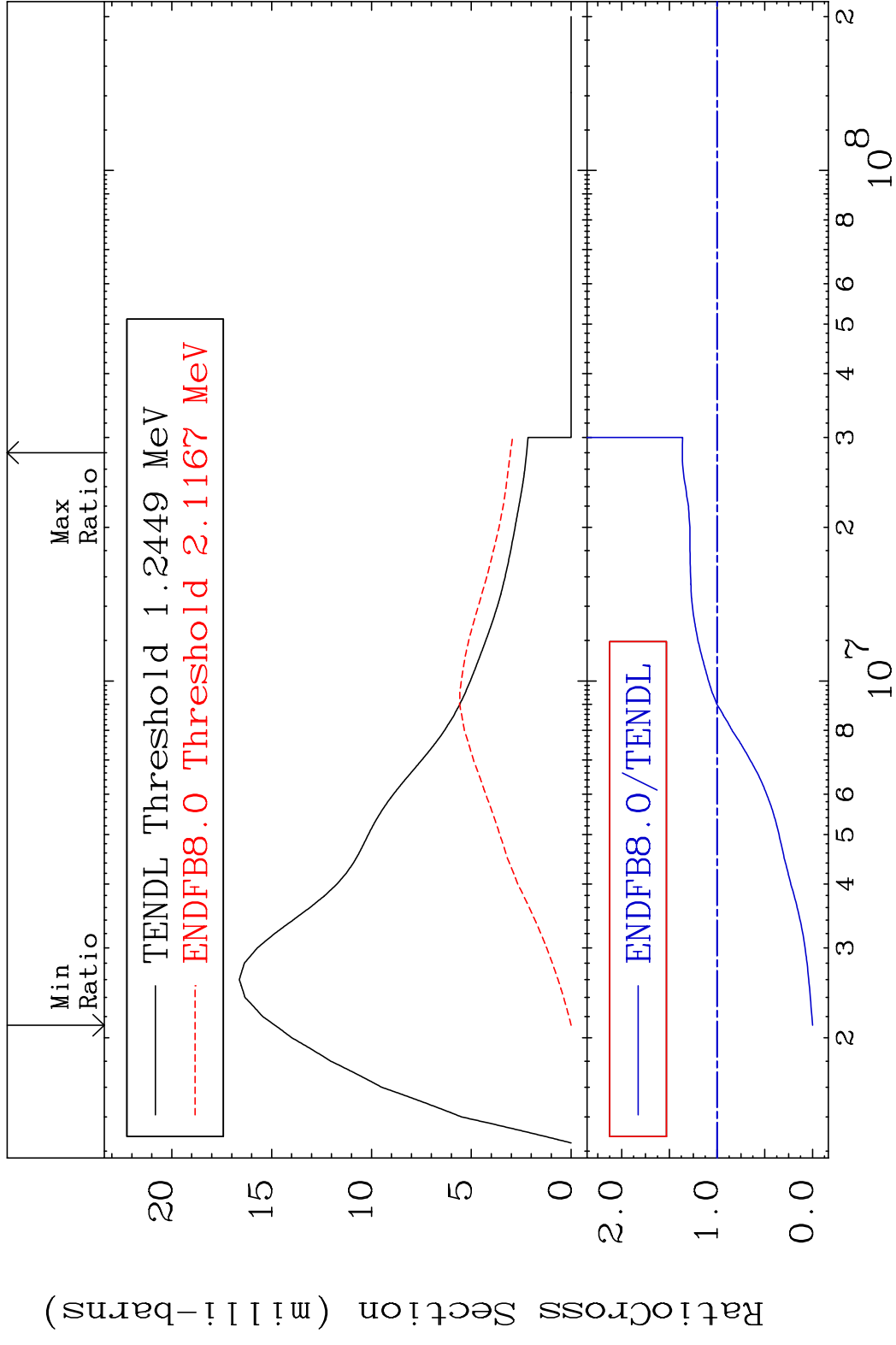
MAT 5325 MT= 69 (n, n') Level 53-I -127  
 Cross Section -100.0 To 4407. %



MAT 5325 MT= 70 (n,n') Level 53-I -127  
 Cross Section -100.0 To 1628. %



MAT 5325 MT= 71 (n,n') Level 53-I -127  
 Cross Section -100.0 To 36.39 %



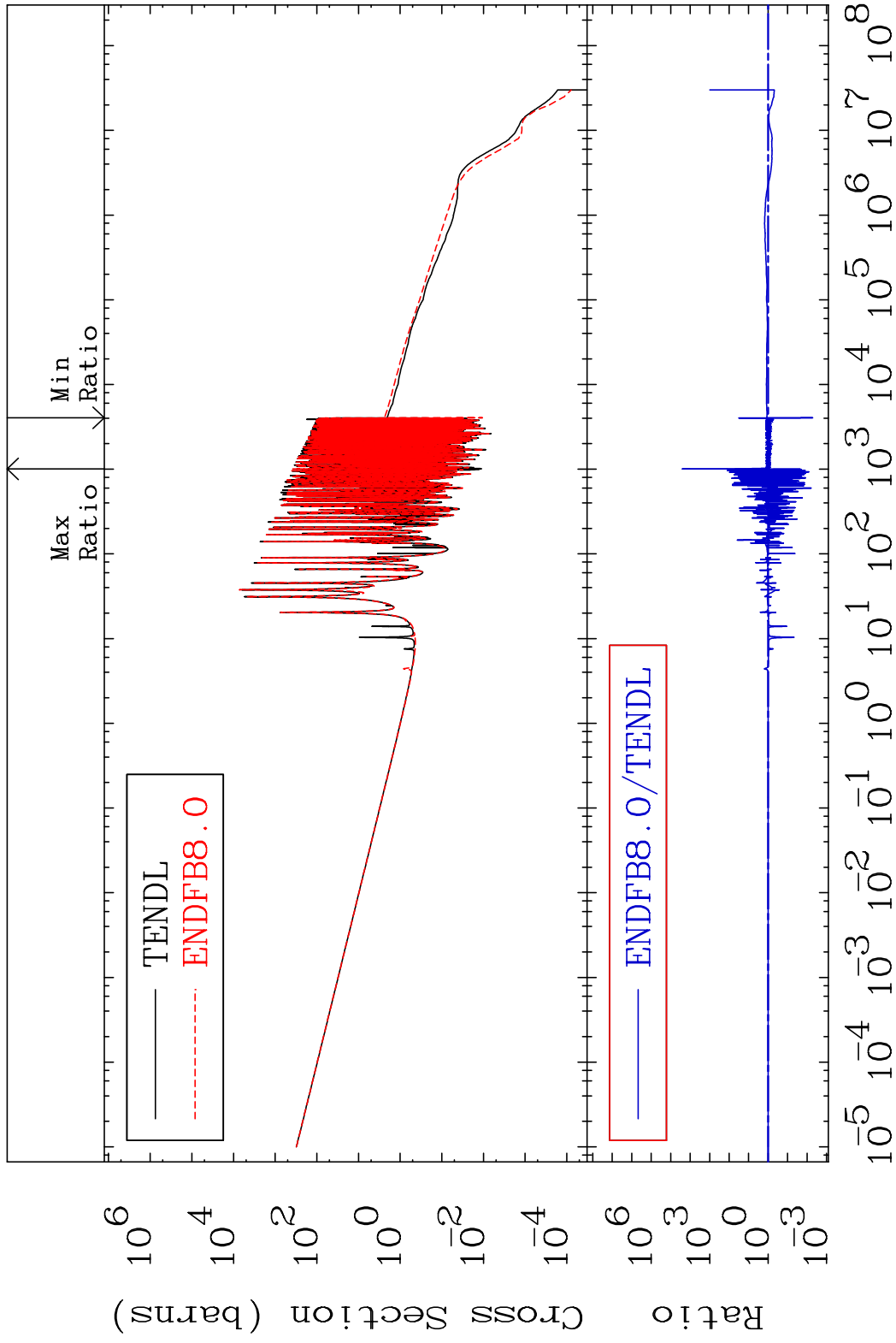


MAT 5325

(n,  $\gamma$ )

53-I -127

Cross Section -99.48 To 9999. %



31

Incident Energy (eV)

53-I -127

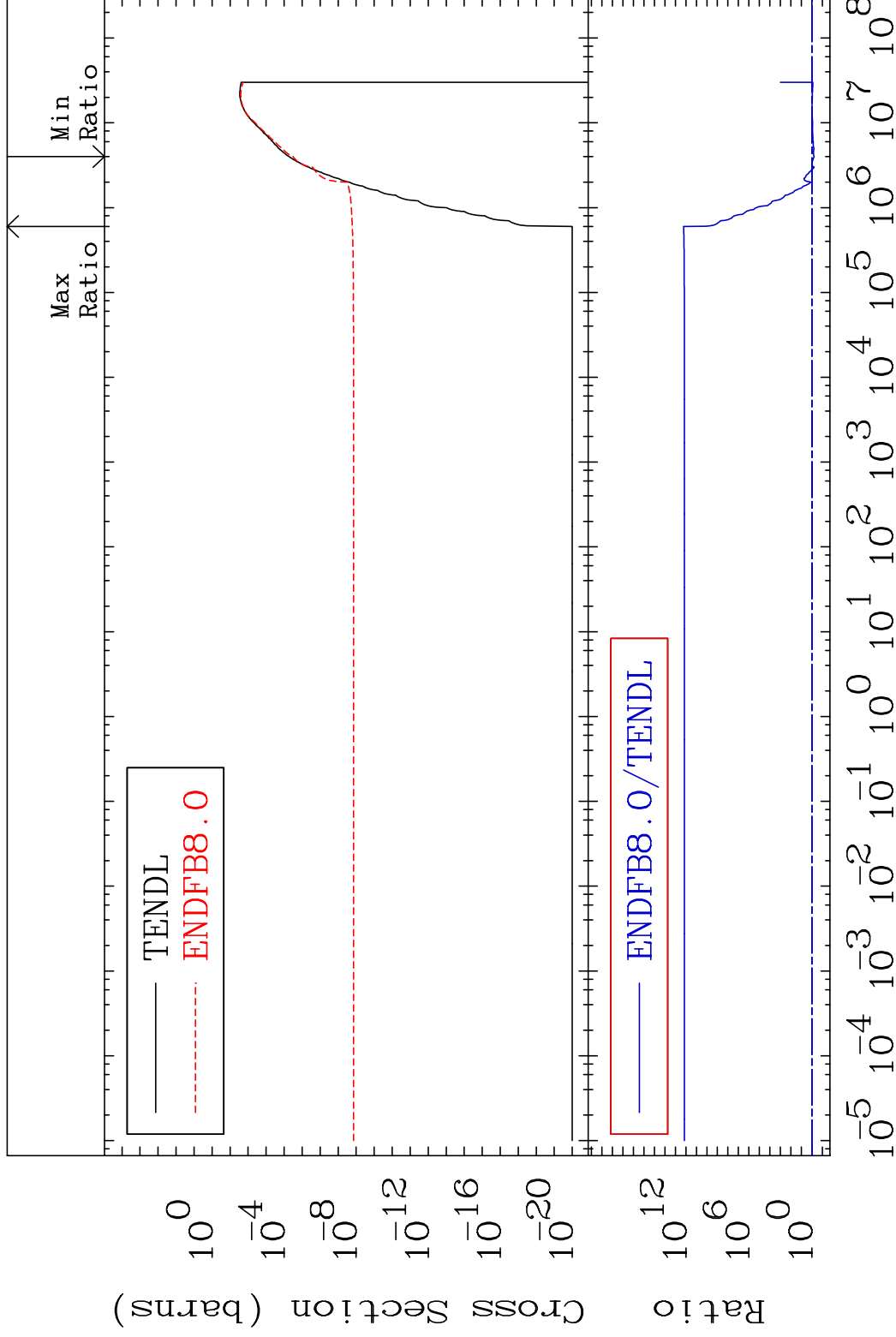
MAT 5325

(n,p)

53-I -127

Cross Section

-39.16 To 9999. %



32

Incident Energy (eV)

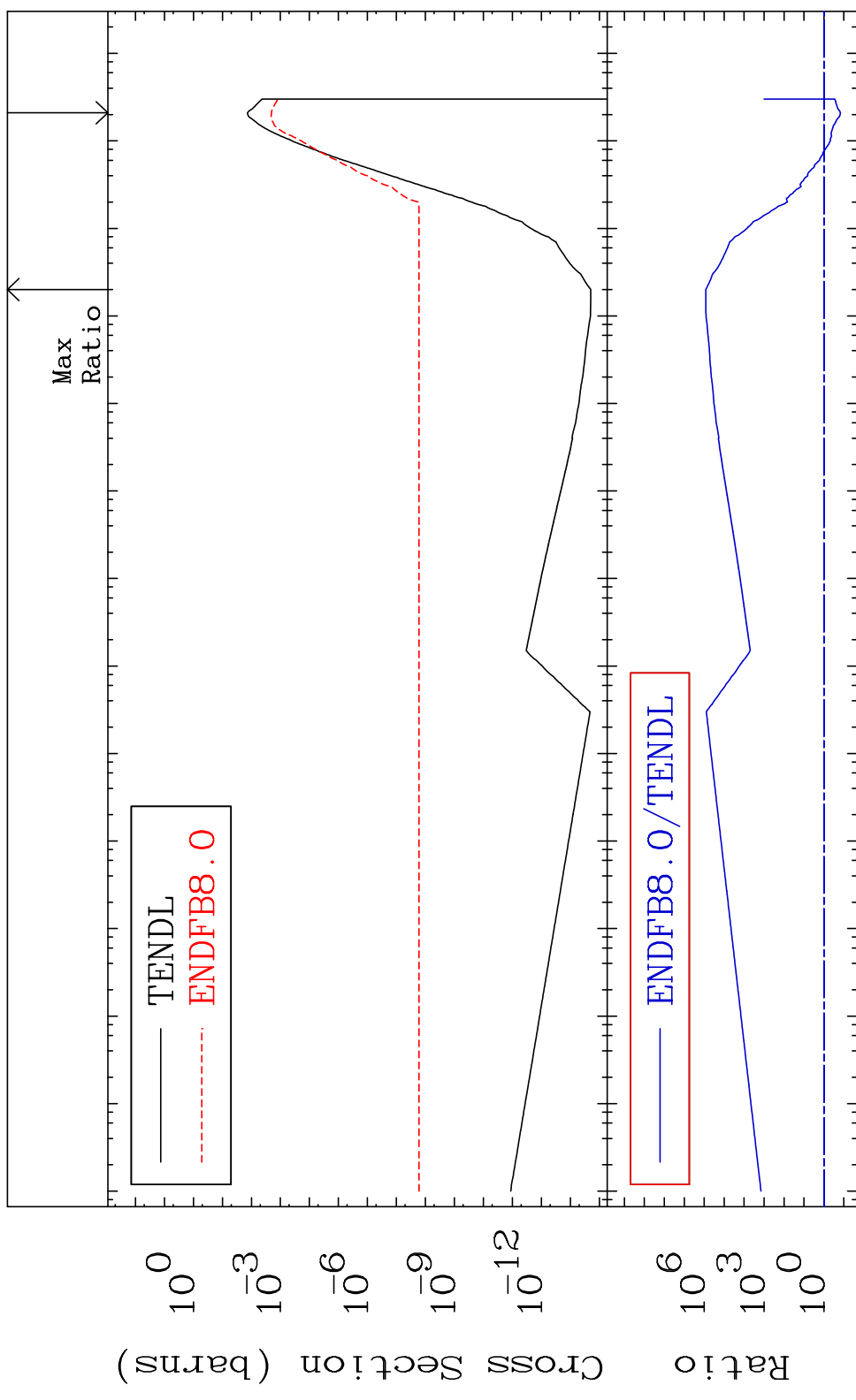
53-I -127

MAT 5325

(n,  $\alpha$ )

53-I -127

Cross Section -85.10 To 9999. %

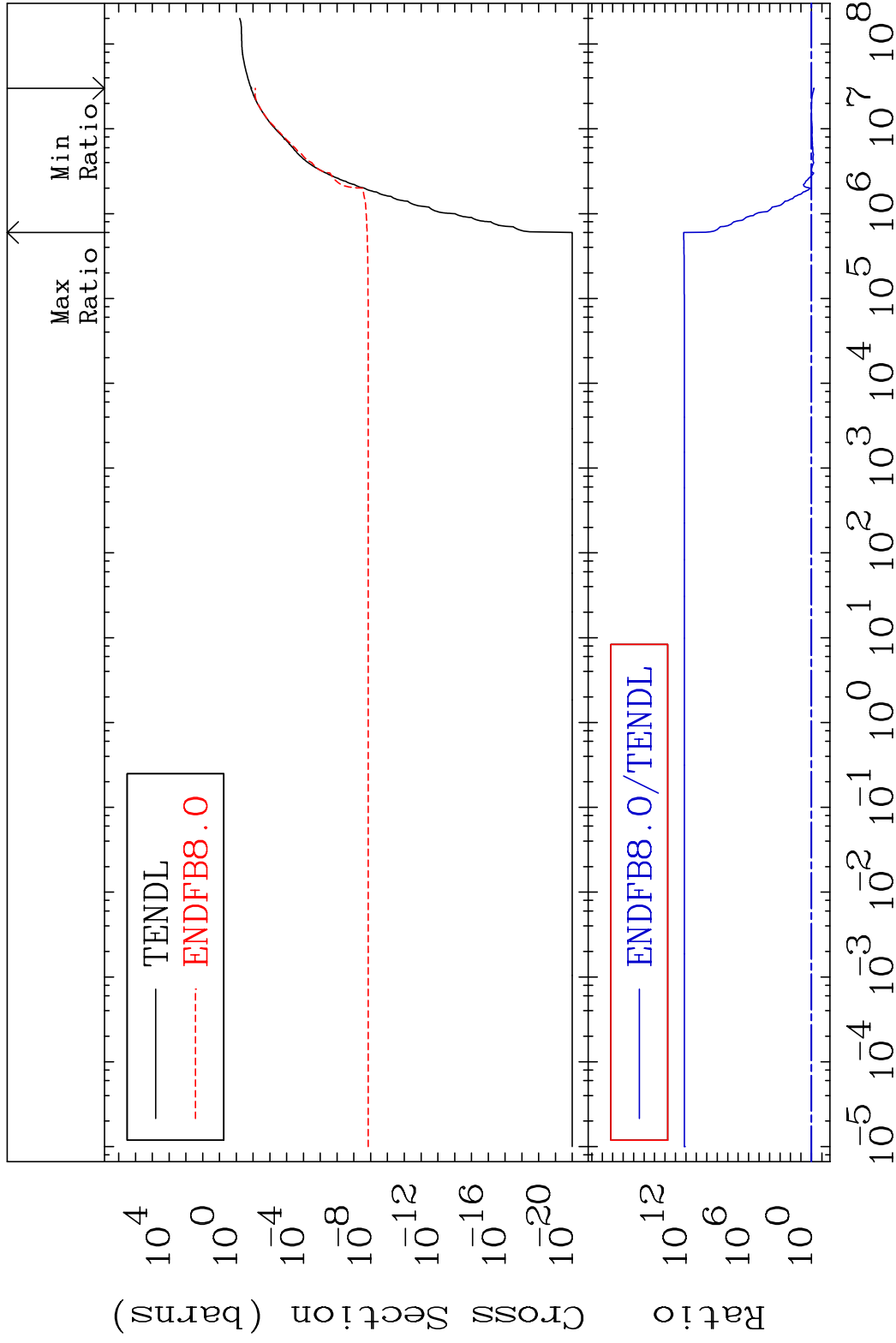


MAT 5325

Hydrogen Production

53-I -127

Cross Section -45.14 To 9999. %



34

Incident Energy (eV)

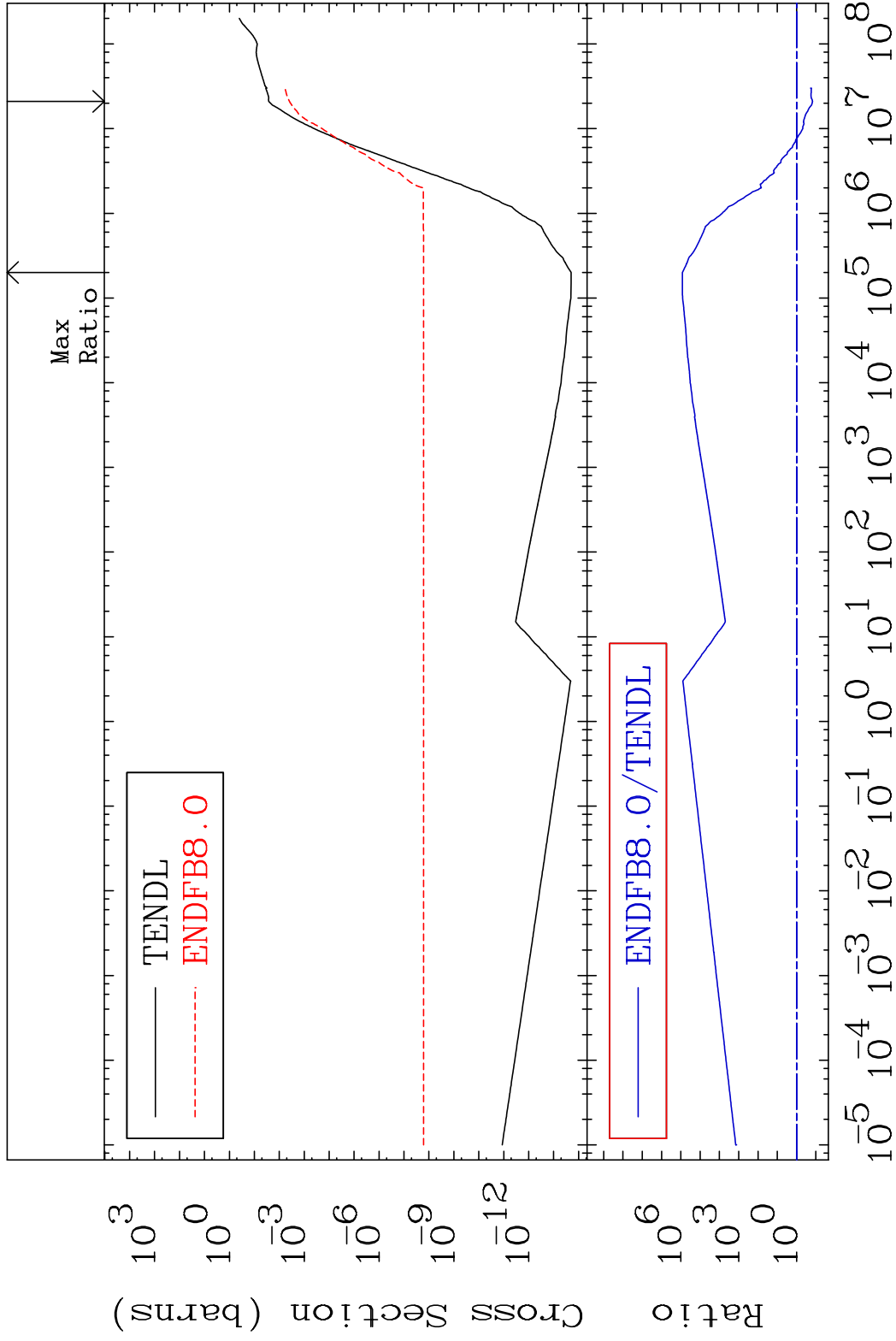
53-I -127

MAT 5325

He-4 Production

53-I -127

Cross Section -85.14 To 9999. %

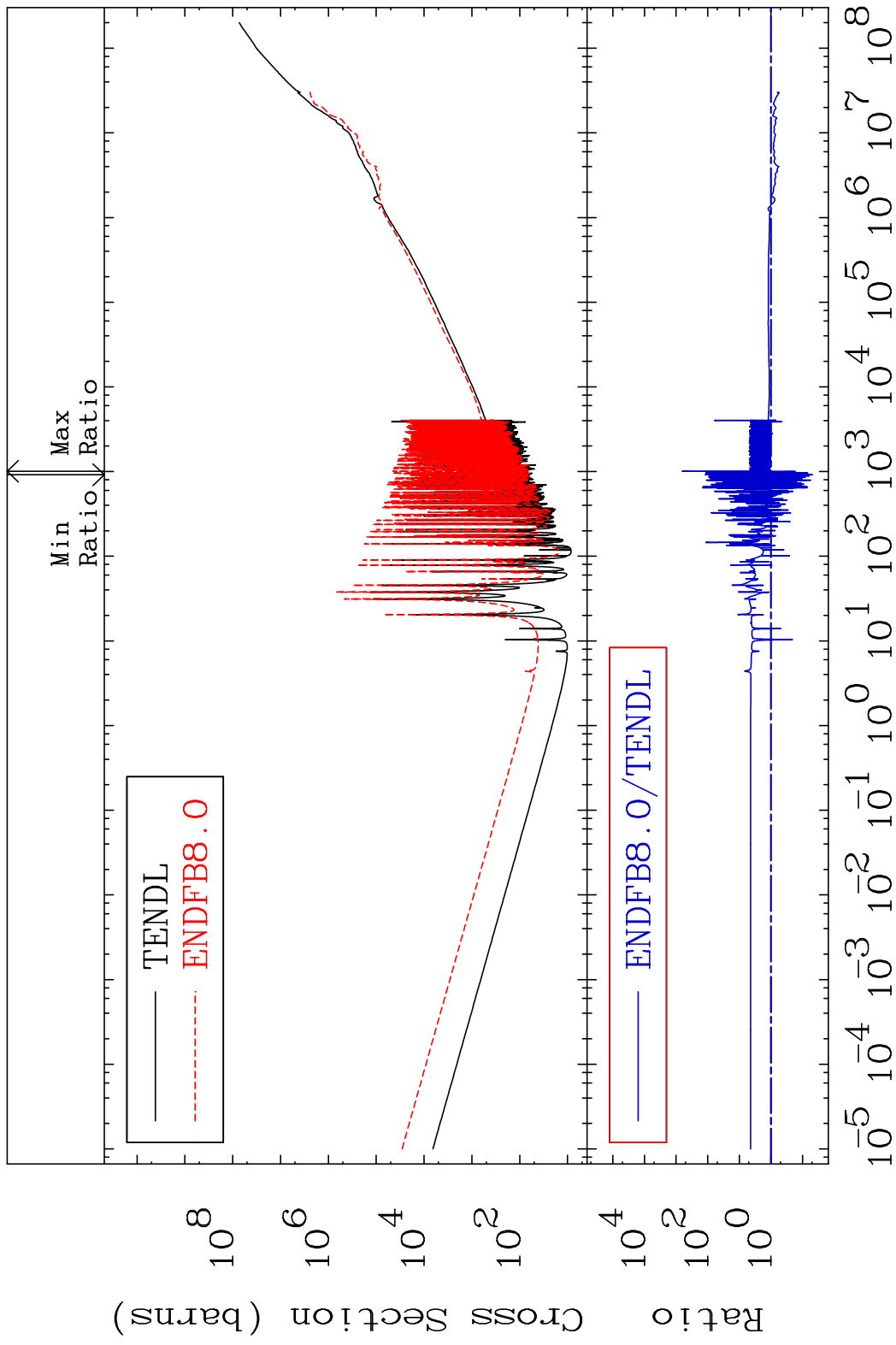


35

Incident Energy (eV)

53-I -127

MAT 5325 Kerma total (eV-barns) 53-I -127  
 Cross Section -95.20 To 9999. %

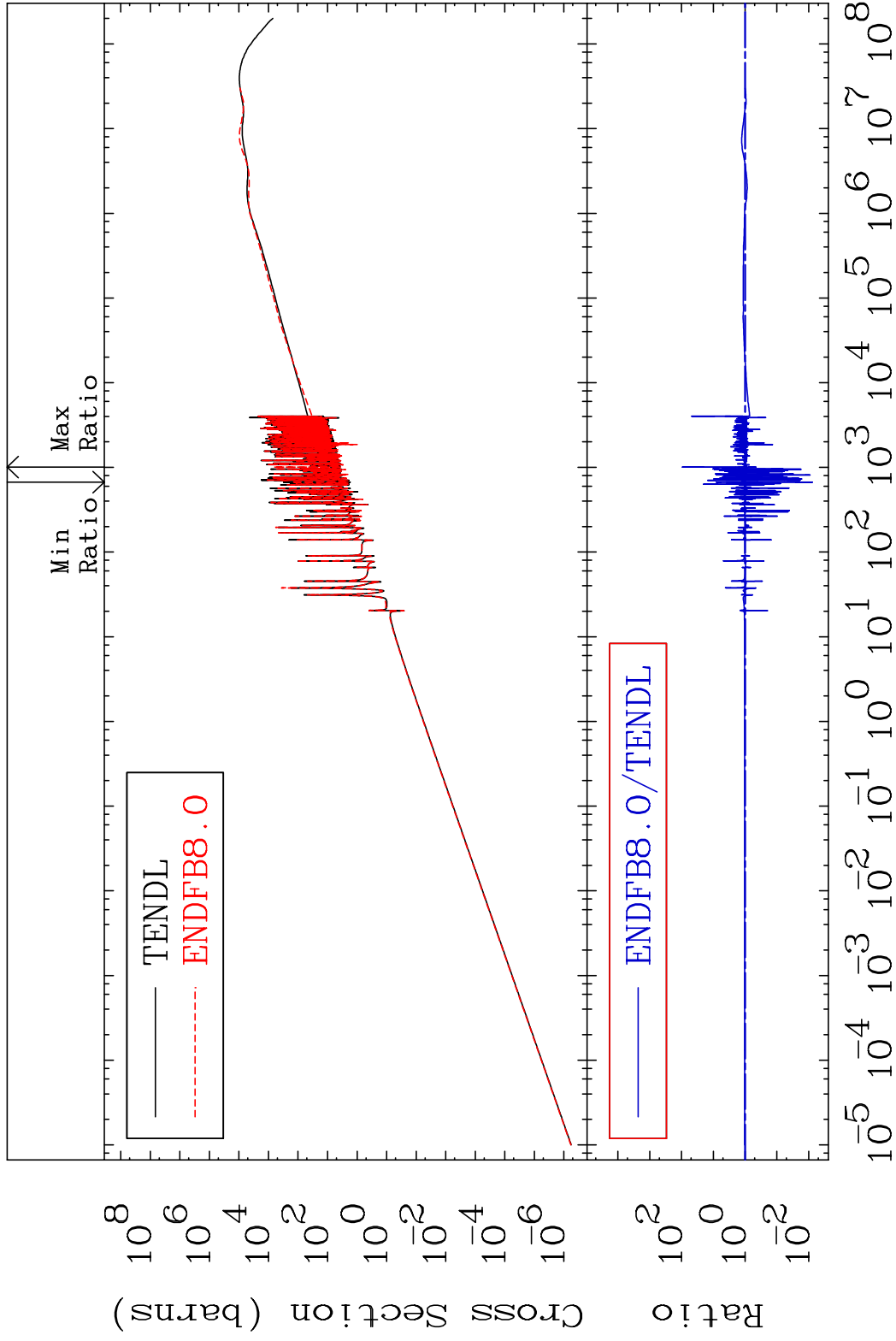


MAT 5325

Kerma elastic

53-I -127

Cross Section -99.24 To 9312. %

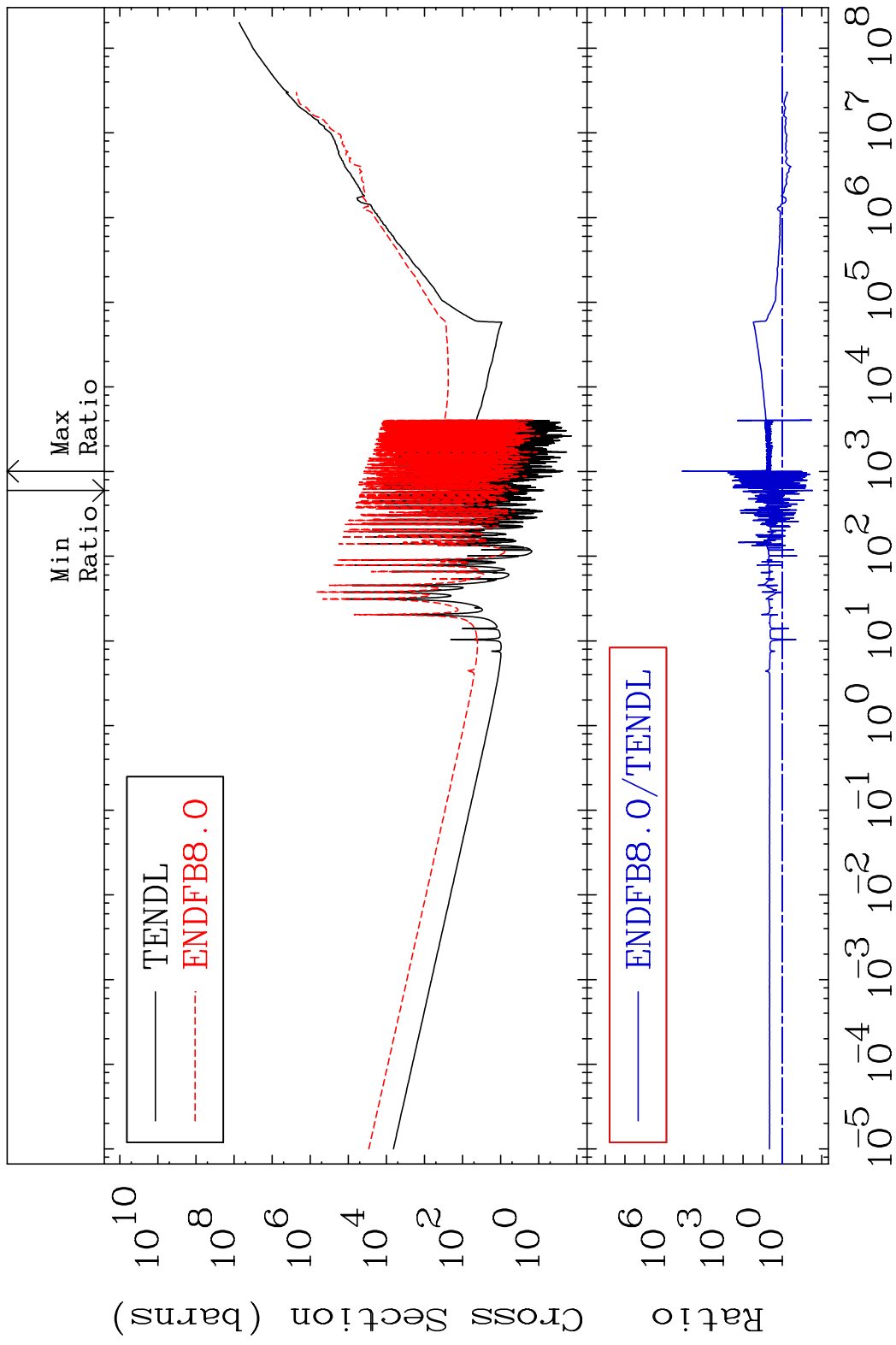


37

Incident Energy (eV)

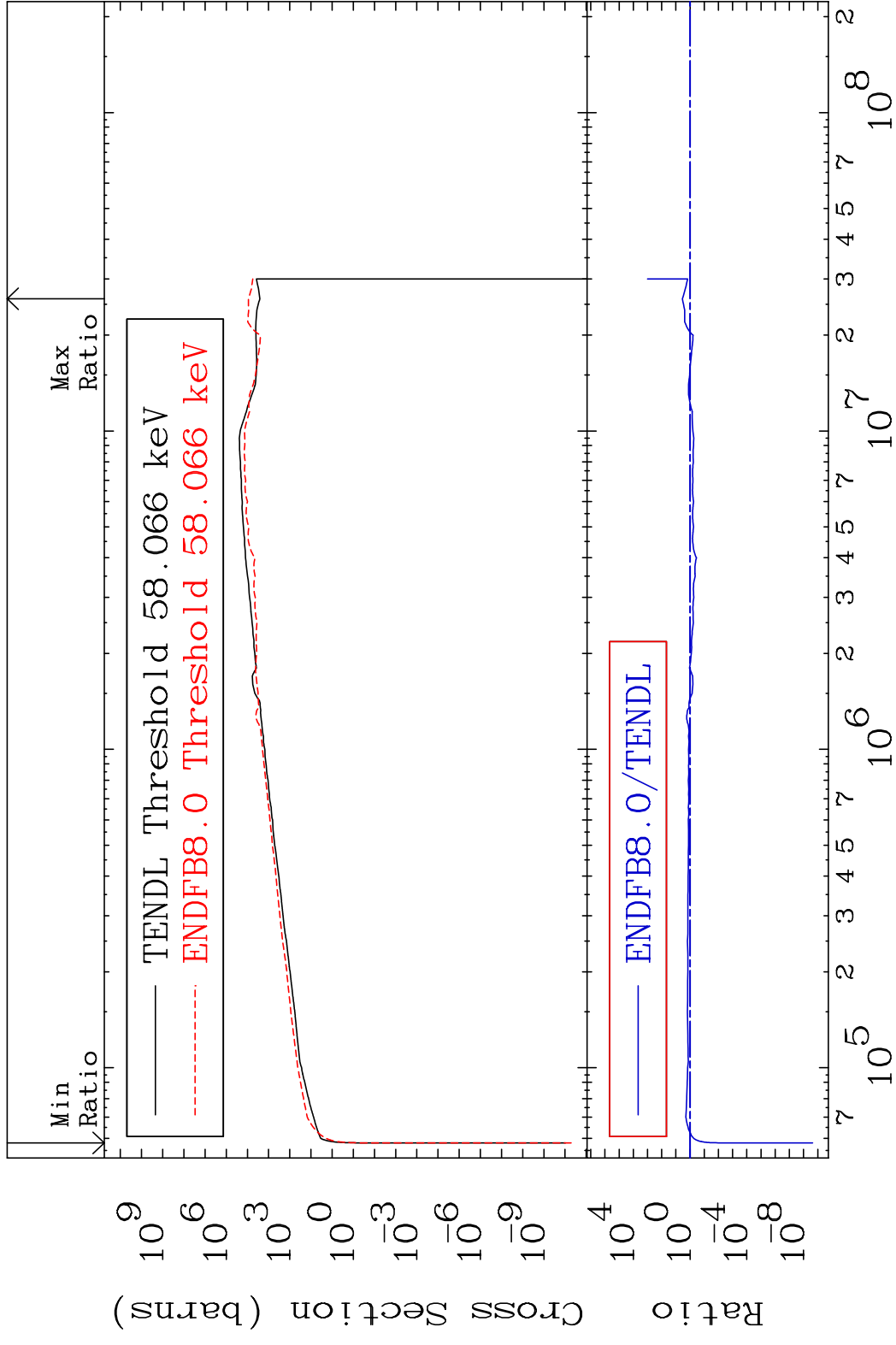
53-I -127

MAT 5325 Kerma non-elastic (all but mt2) 53-I -127  
 Cross Section -97.11 To 9999. %

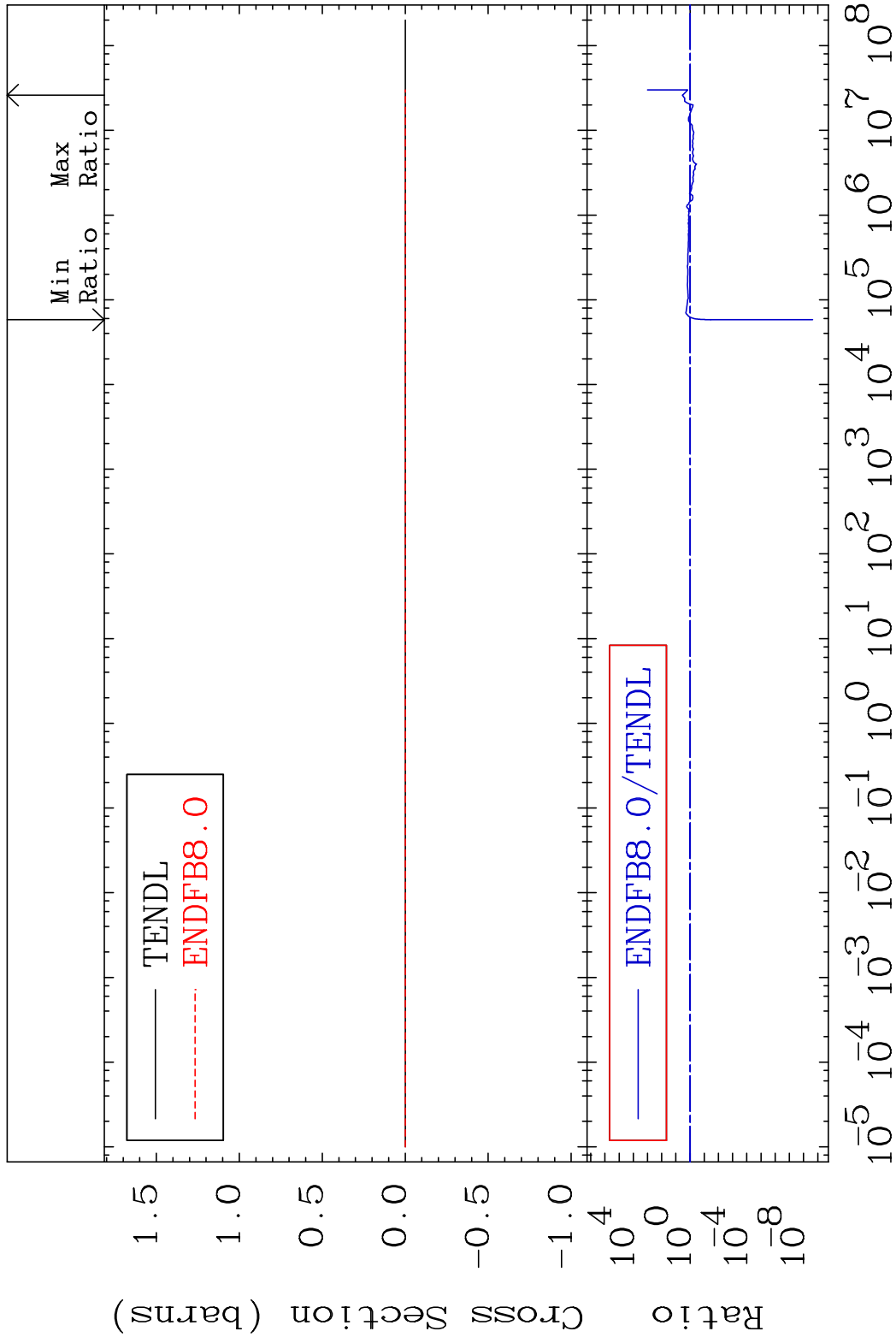


38 Incident Energy (eV) 53-I -127

MAT 5325 Kerma inelastic (mt51-91) 53-I -127  
 Cross Section -100.0 To 249.1 %

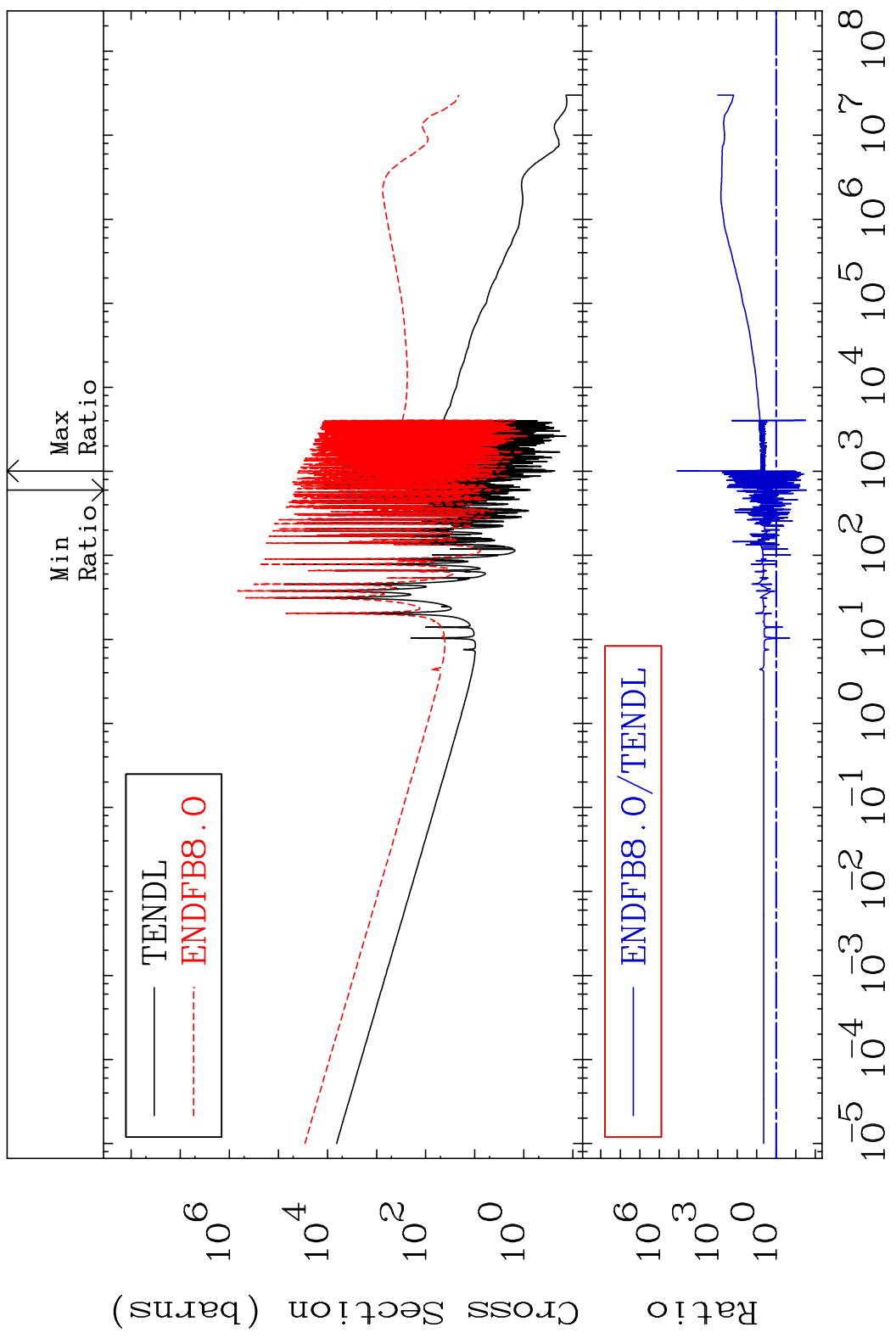


MAT 5325 Kerma fission (mt18 or mt19-20-21-38)53-I -127  
 Cross Section -100.0 To 249.1 %

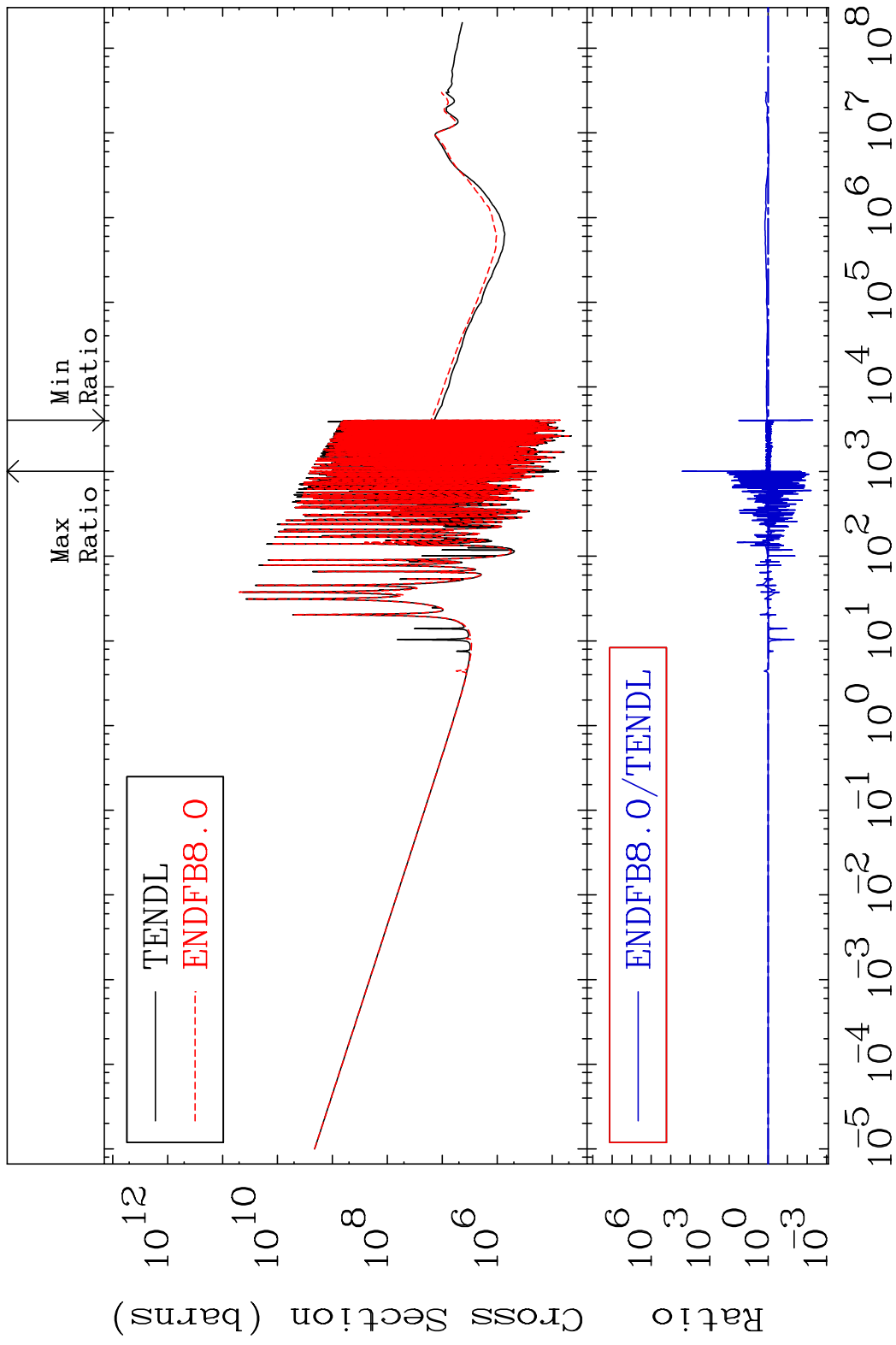


MAT 5325

Kerma capture (mt102) 53-I -127  
Cross Section -97.17 To 9999. %

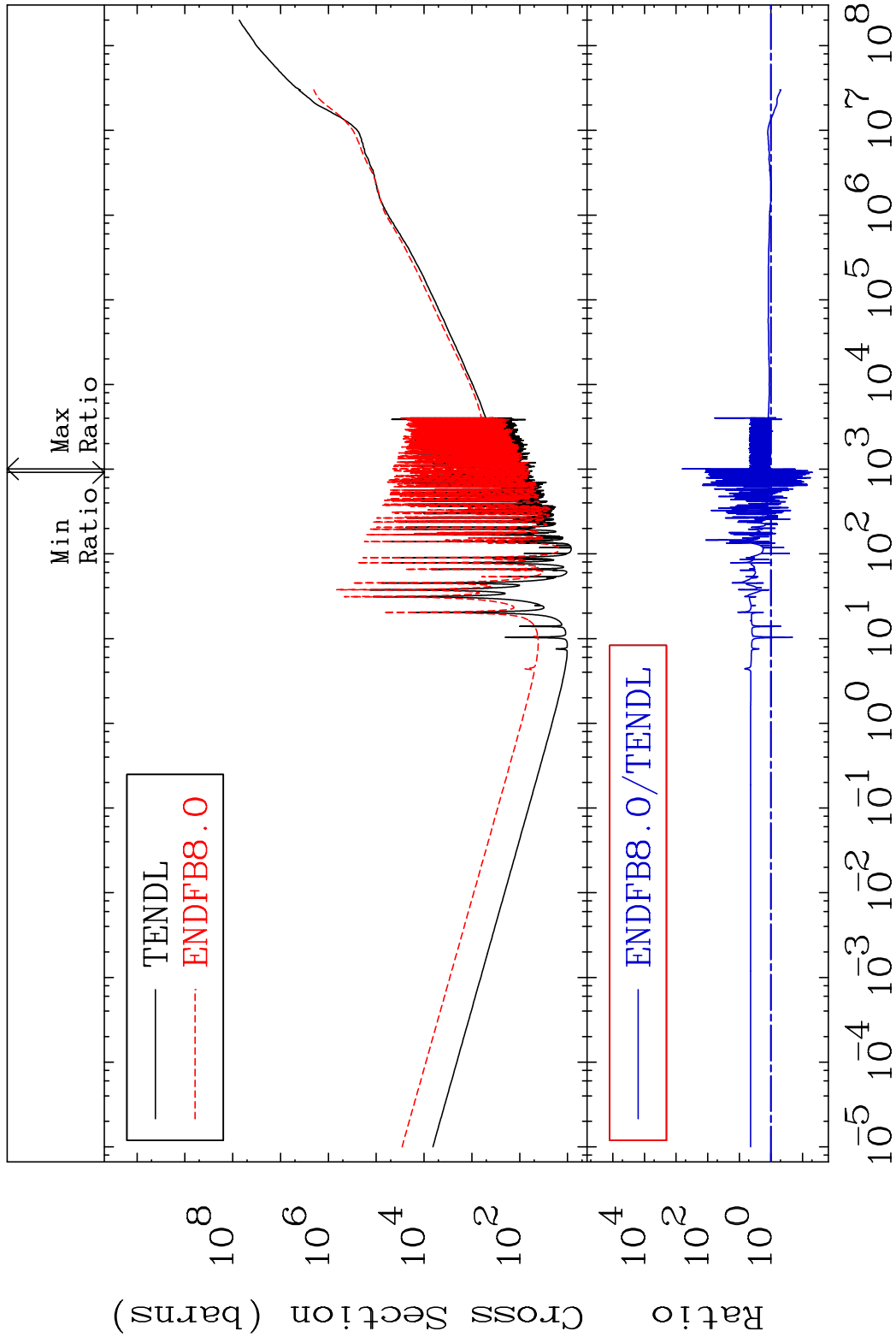


MAT 5325 Total photon (eV-barns) 53-I -127  
 Cross Section -99.48 To 9999. %



42 Incident Energy (eV) 53-I -127

MAT 5325 Total kinematic kerma (high limit) 53-I -127  
 Cross Section -95.20 To 9999. %

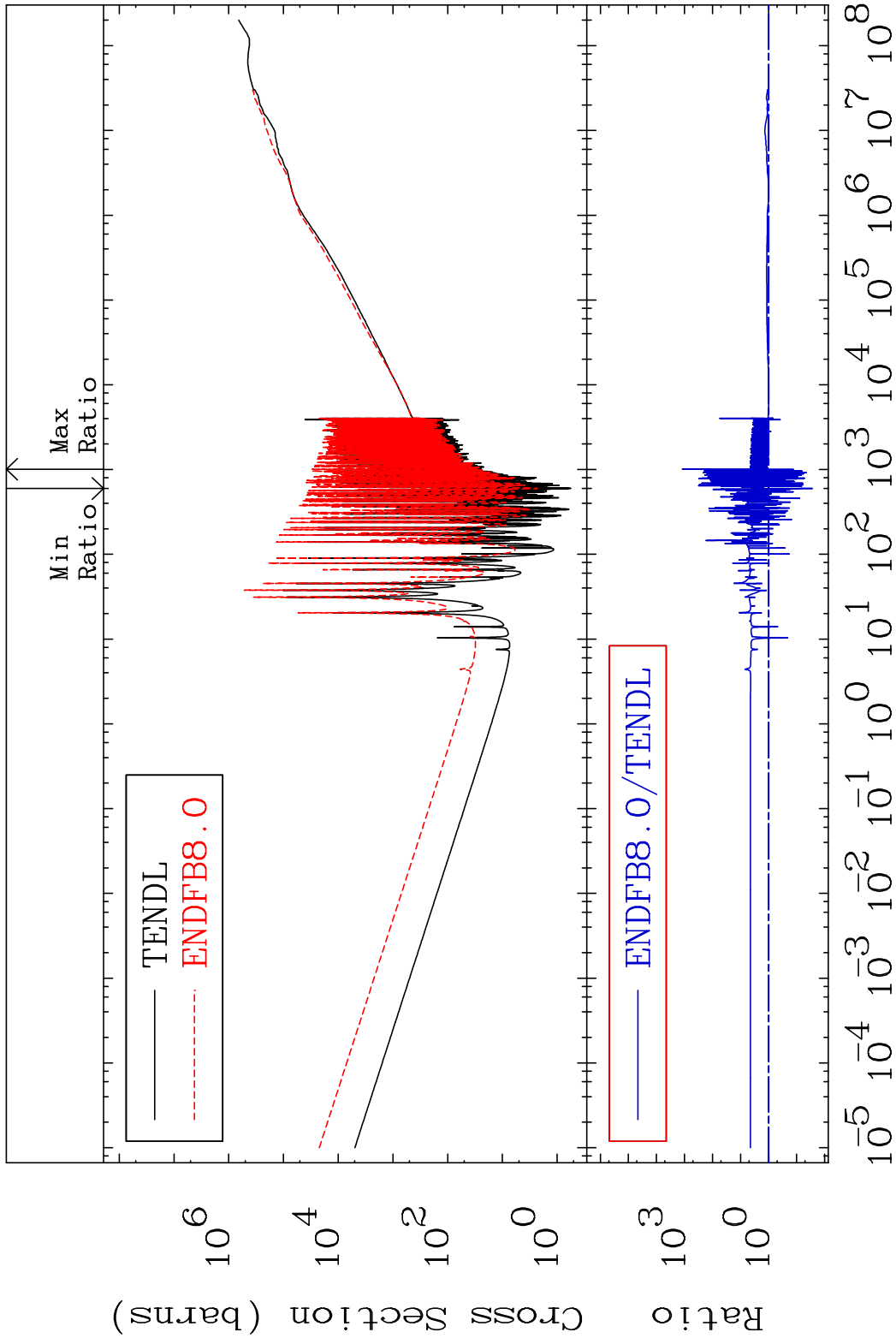


MAT 5325

Dpa total (eV-barns)

53-I -127

Cross Section -97.28 To 9999. %



44

Incident Energy (eV)

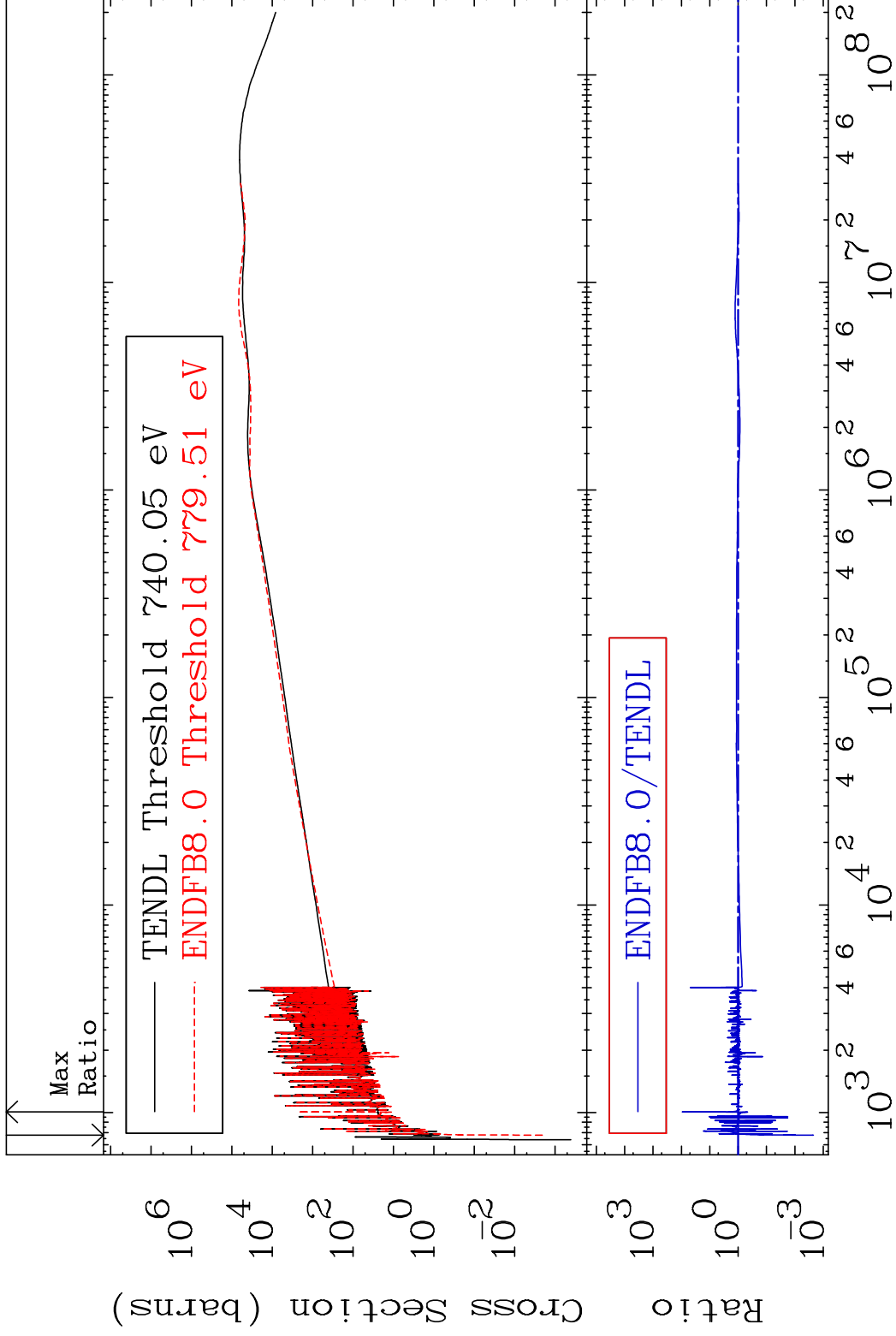
53-I -127

MAT 5325

Dpa elastic (mt2)

53-I -127

Cross Section -99.76 To 9303. %

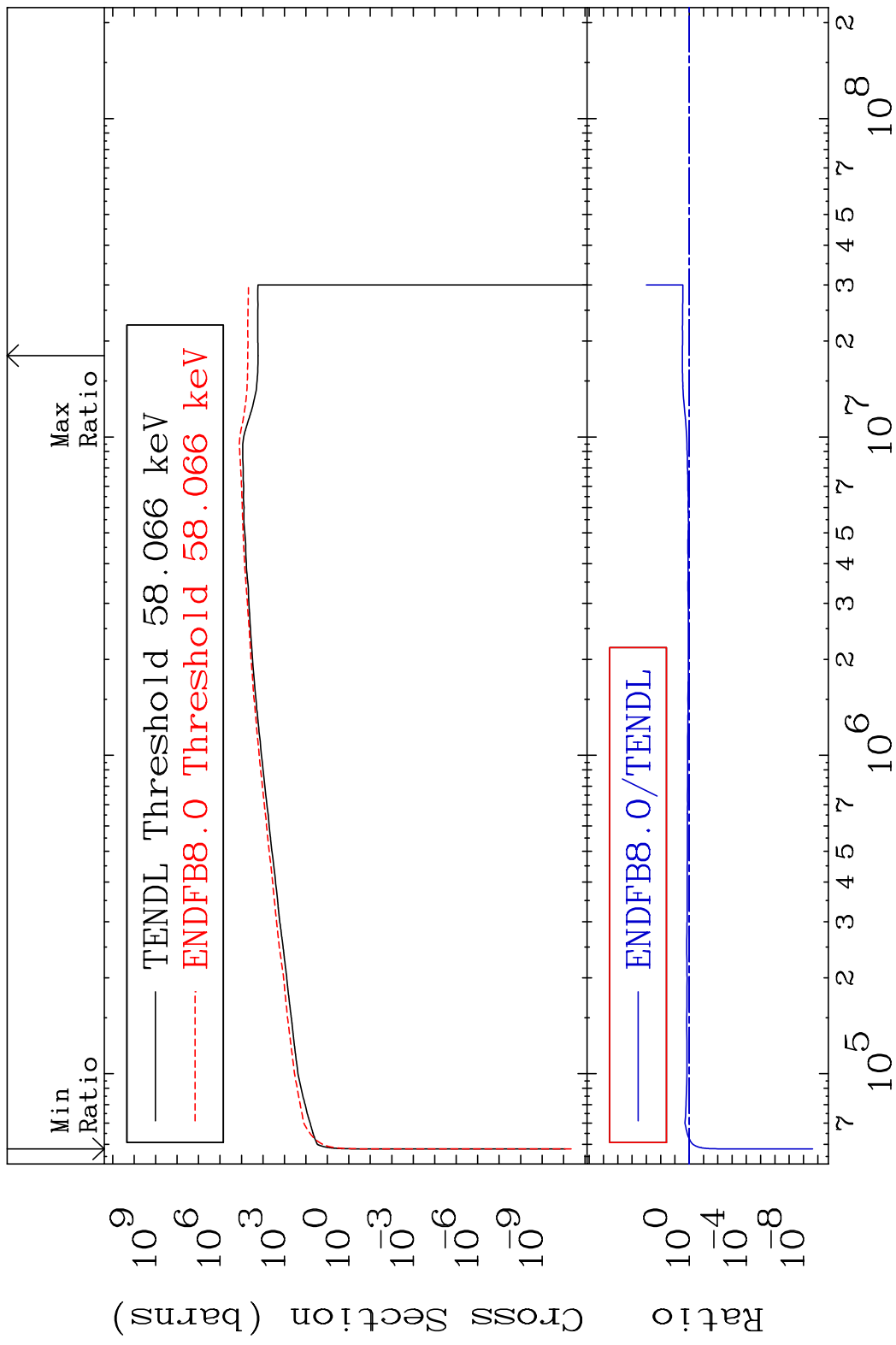


45

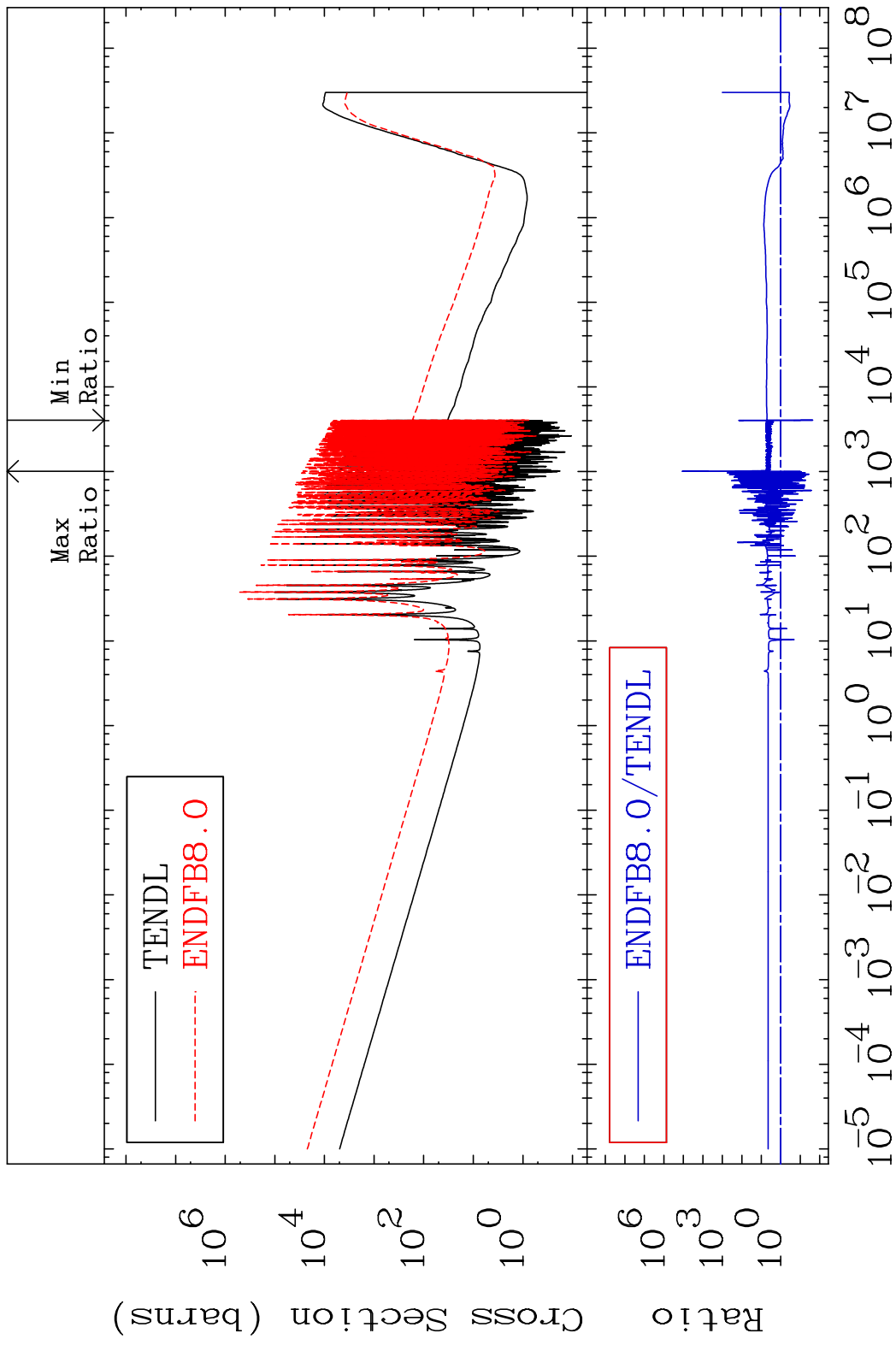
Incident Energy (eV)

53-I -127

MAT 5325 Dpa inelastic (mt51-91) 53-I -127  
 Cross Section -100.0 To 201.3 %



MAT 5325 Dpa disappearance (mt102 -120) 53-I -127  
 Cross Section -97.66 To 9999. %



47 Incident Energy (eV) 53-I -127