

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

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

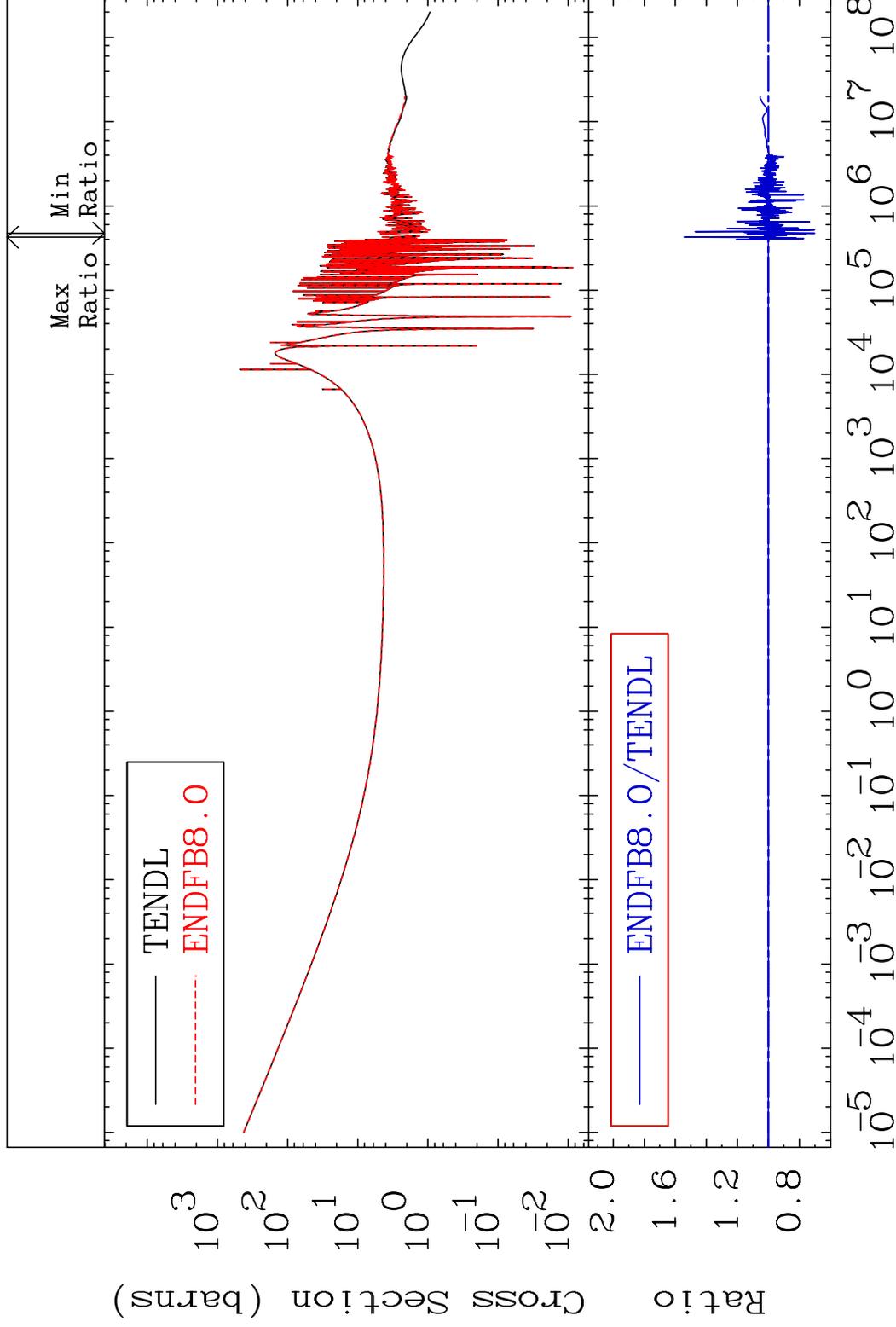
MAT 2231

Total

22-Ti-48

Cross Section

-29.82 To 54.33 %



1

Incident Energy (eV)

22-Ti-48

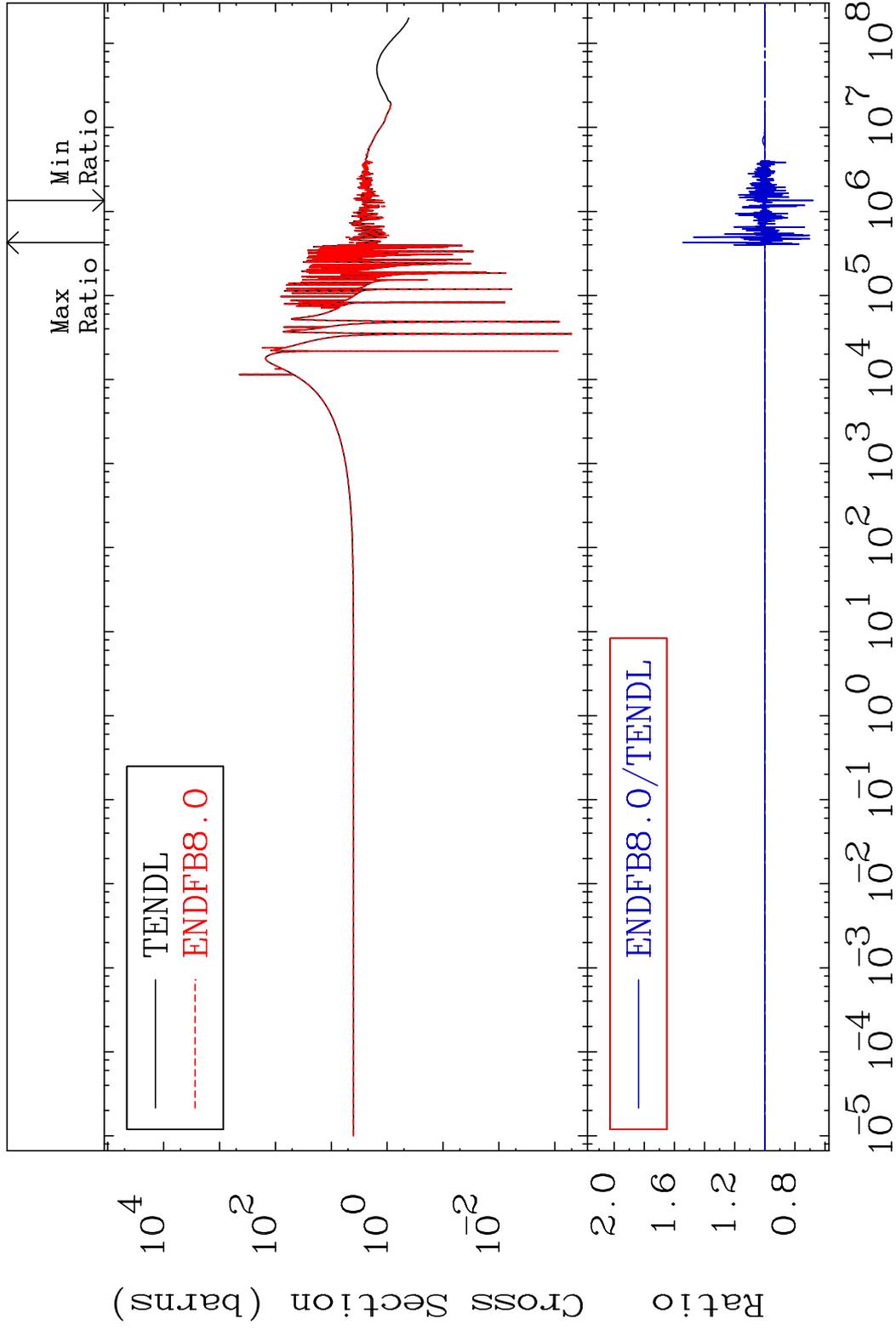
MAT 2231

Elastic

22-Ti-48

Cross Section

-32.13 To 54.40 %

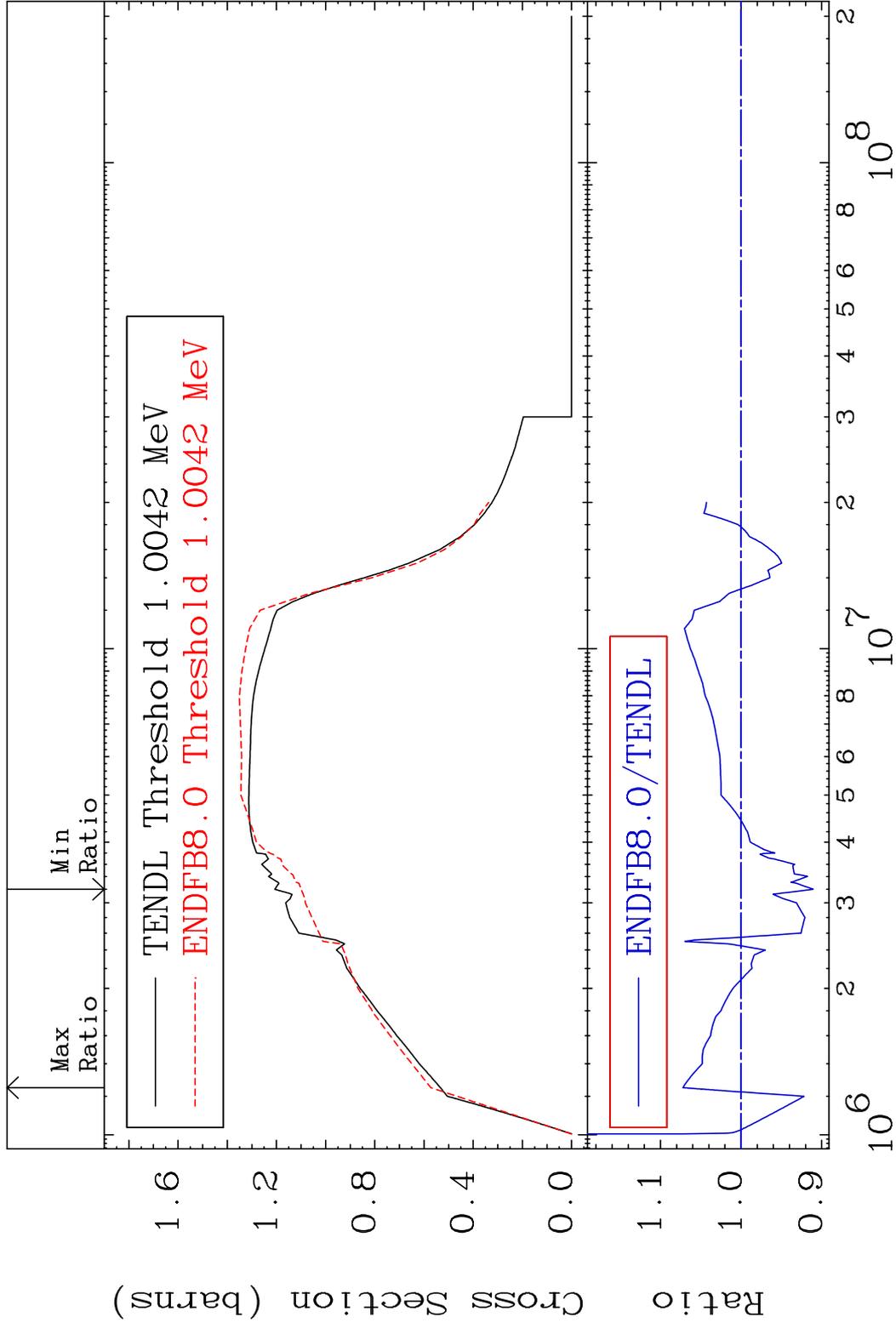


2

Incident Energy (eV)

22-Ti-48

MAT 2231 Inelastic 22-Ti-48
 Cross Section -8.941 To 7.228 %



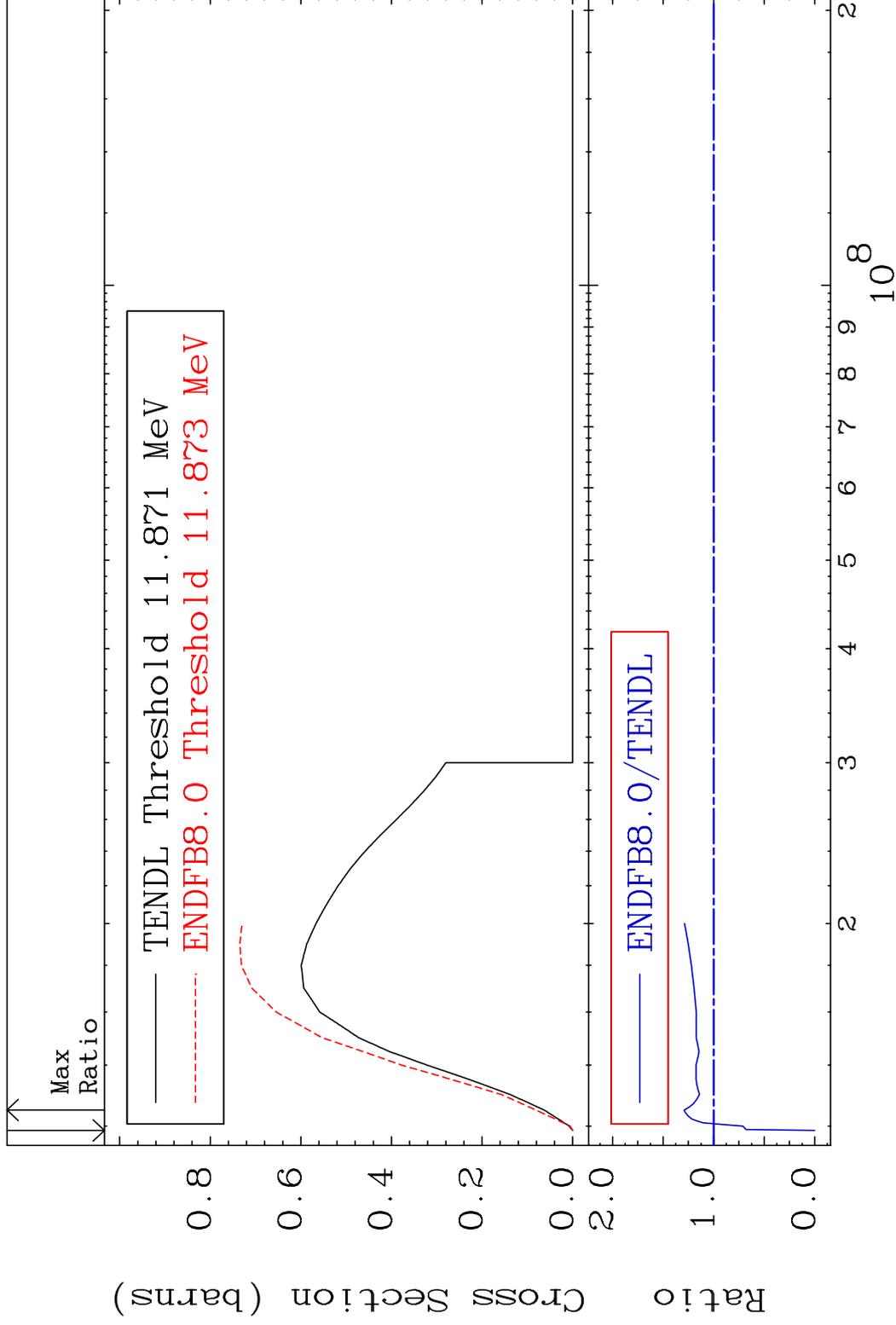
3 Incident Energy (eV) 22-Ti-48

MAT 2231

(n,2n)

²²Ti-48

Cross Section -100.0 To 29.19 %



4

Incident Energy (eV)

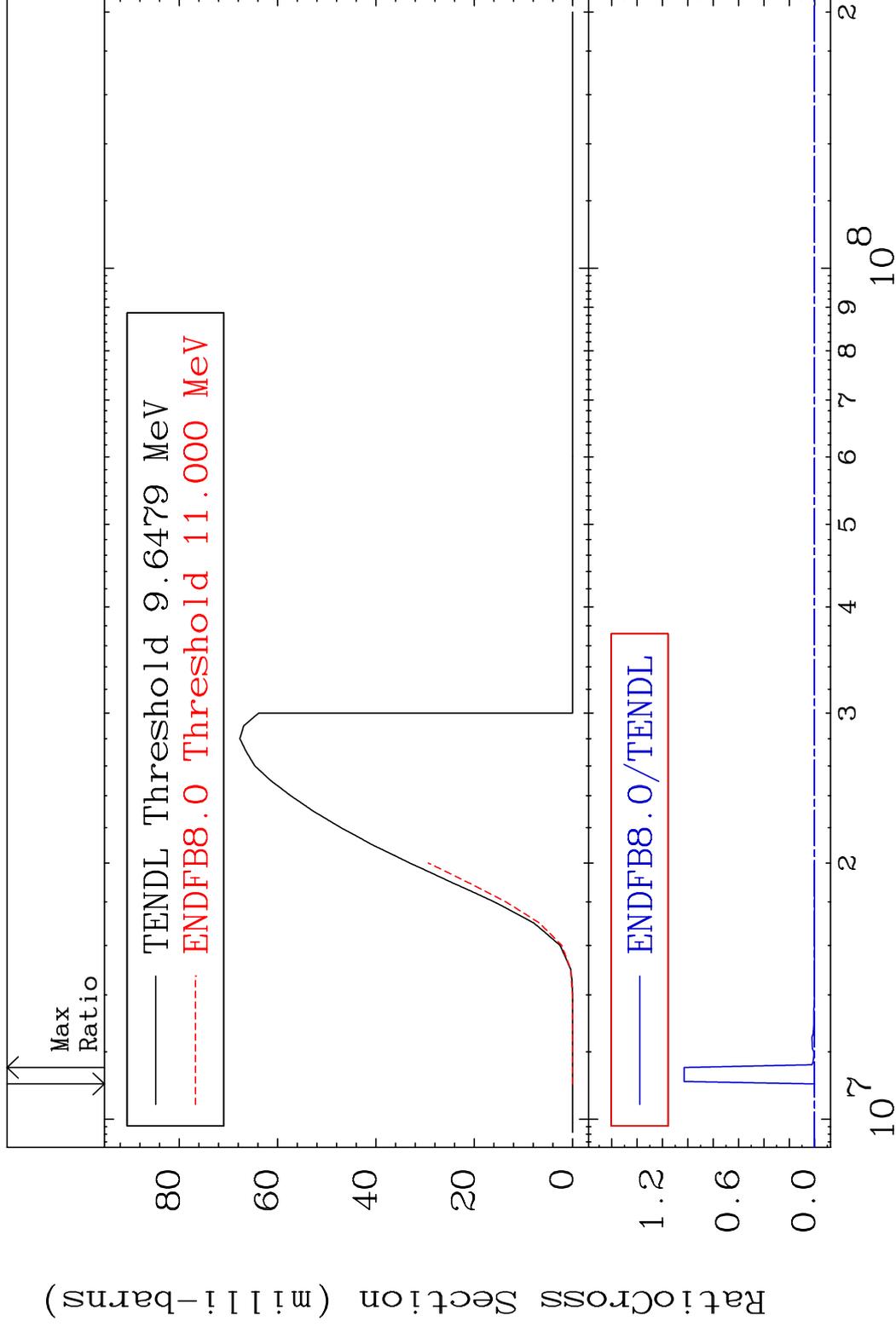
²²Ti-48

MAT 2231

(n, n') α

22-Ti-48

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

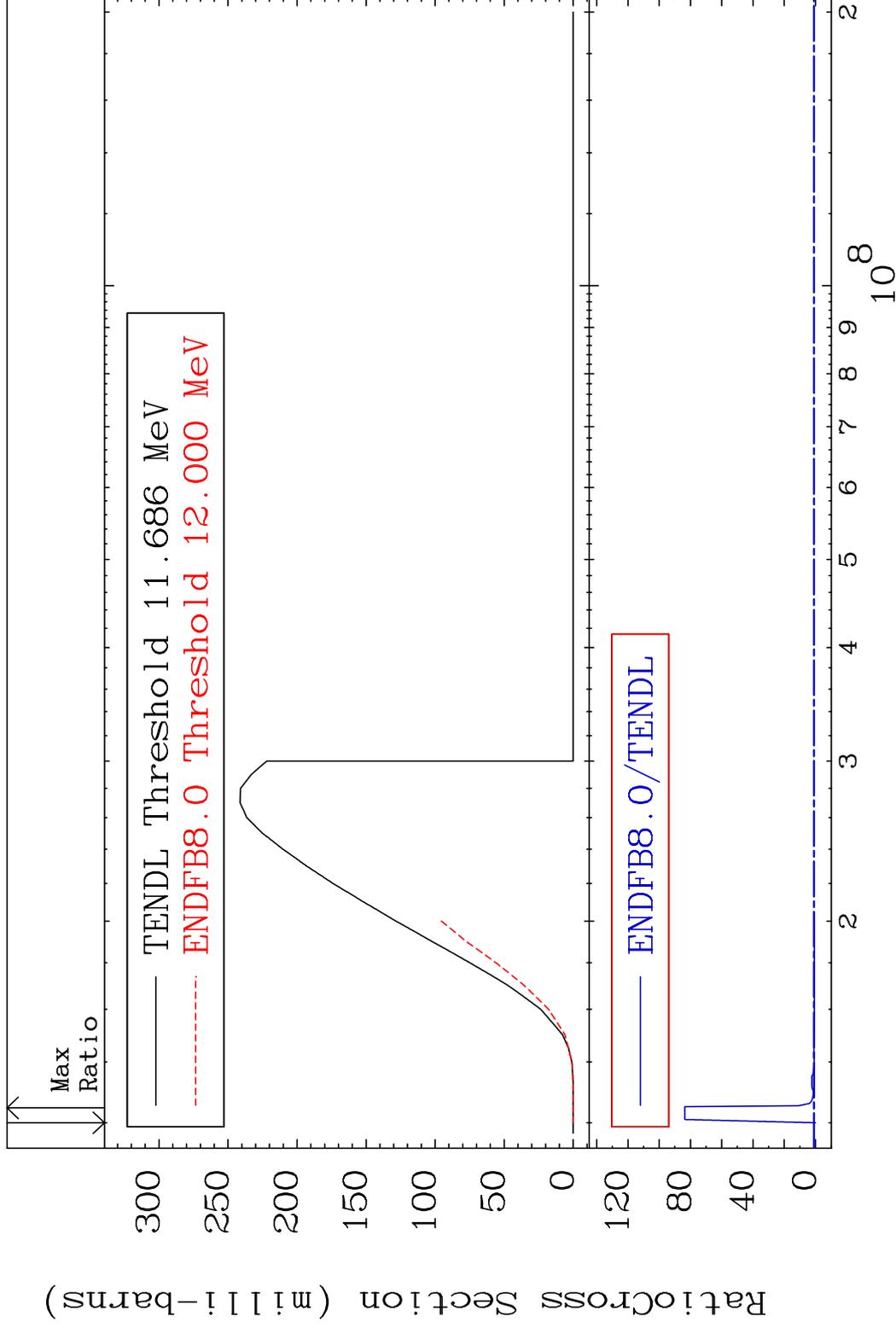
22-Ti-48

MAT 2231

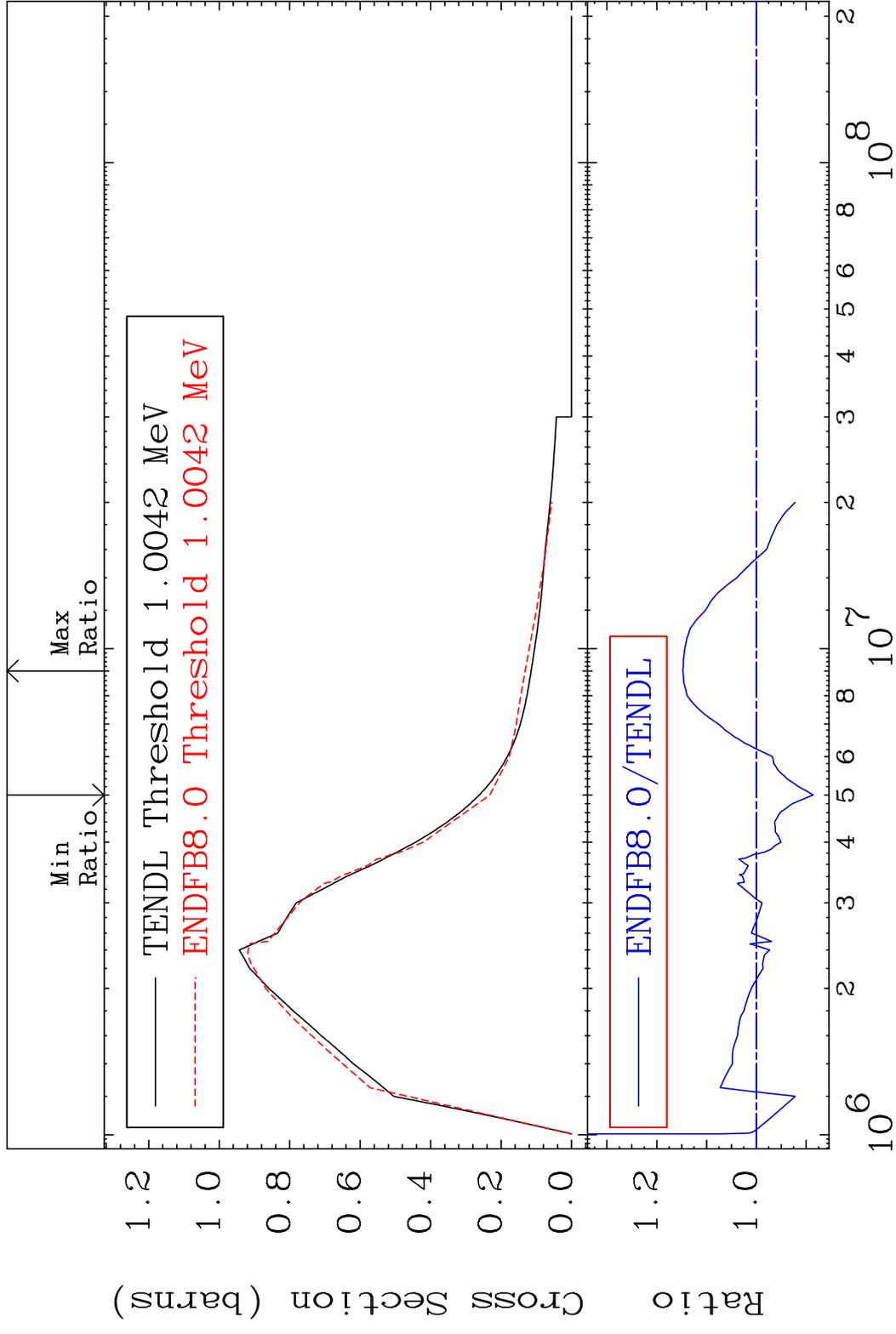
(n, n') p

²²Ti-48

Cross Section -100.0 To 8263. %

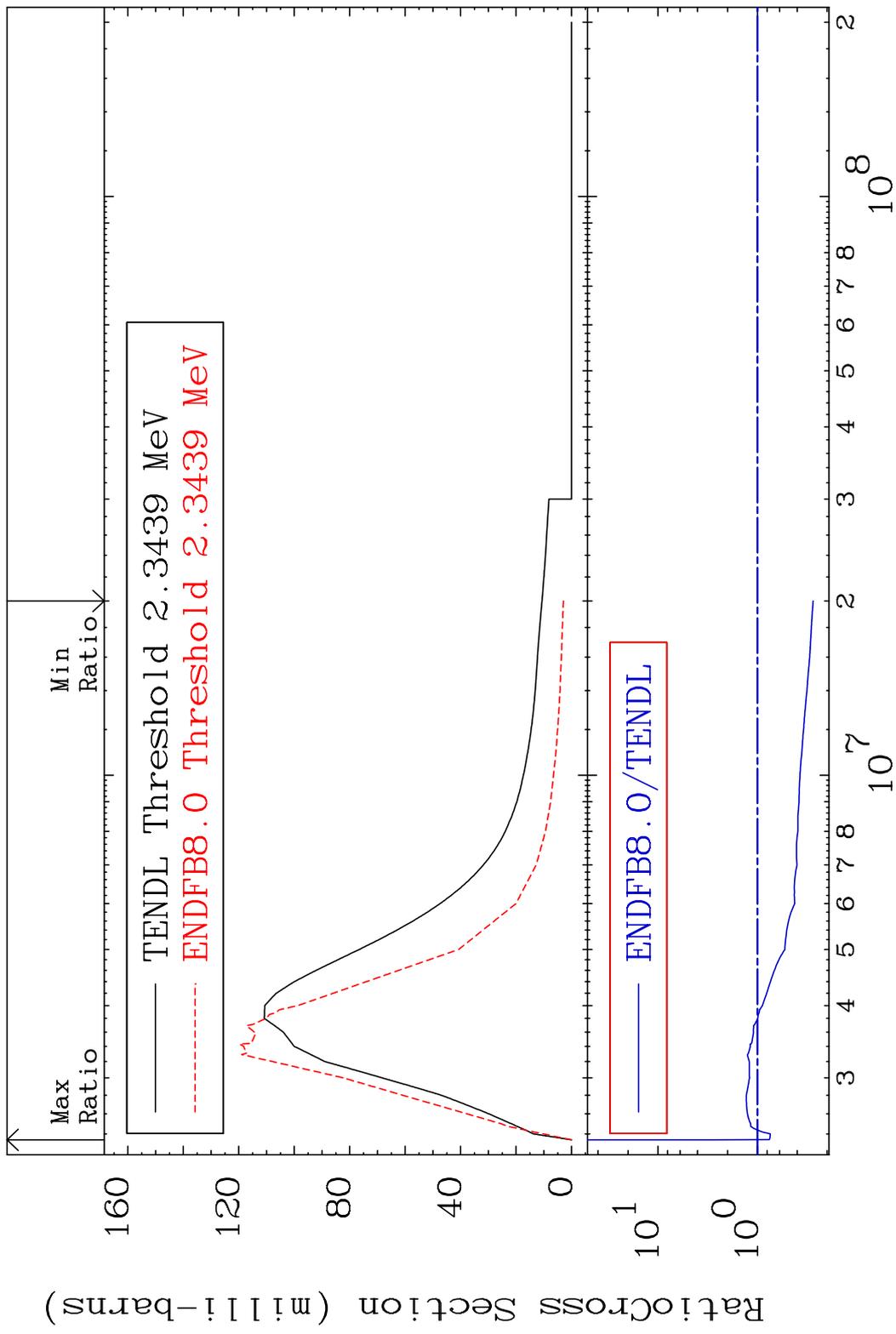


MAT 2231 MT= 51 (n, n') Level 22-Ti-48
 Cross Section -11.41 To 14.76 %



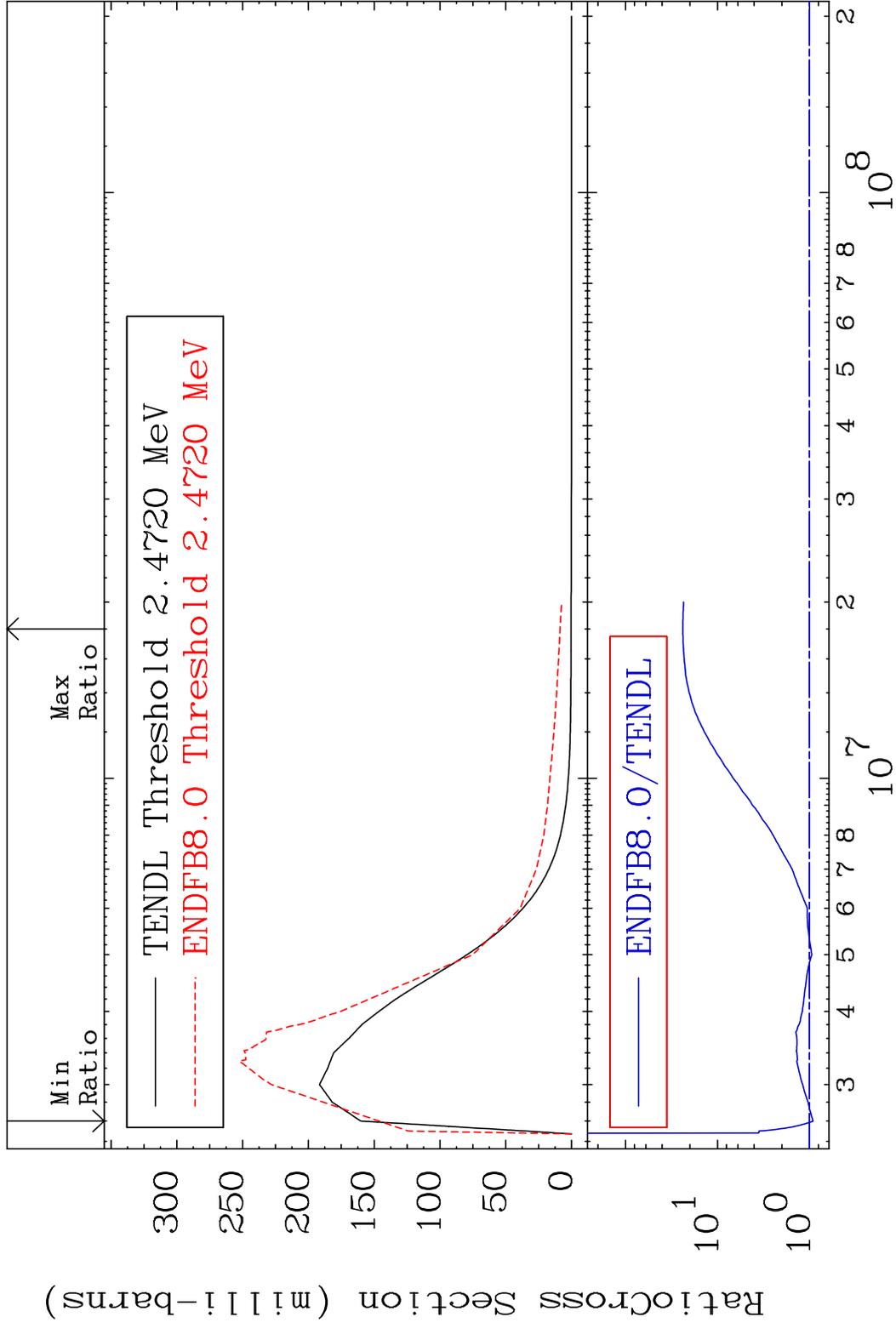
7 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 52 (n,n') Level 22-Ti-48
 Cross Section -72.39 To 462.4 %

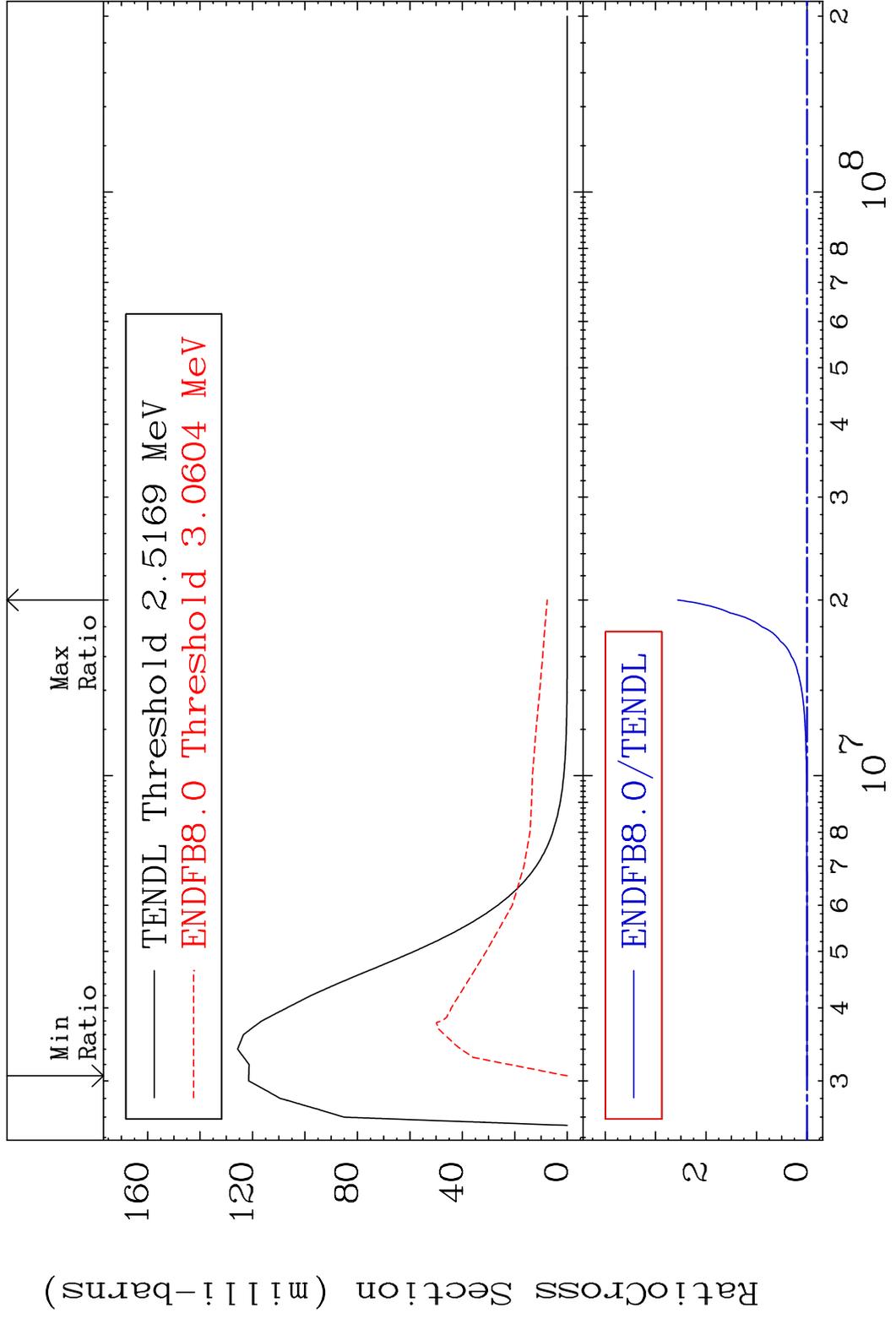


8 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 53 (n, n') Level 22-Ti-48
 Cross Section -8.624 To 2285. %



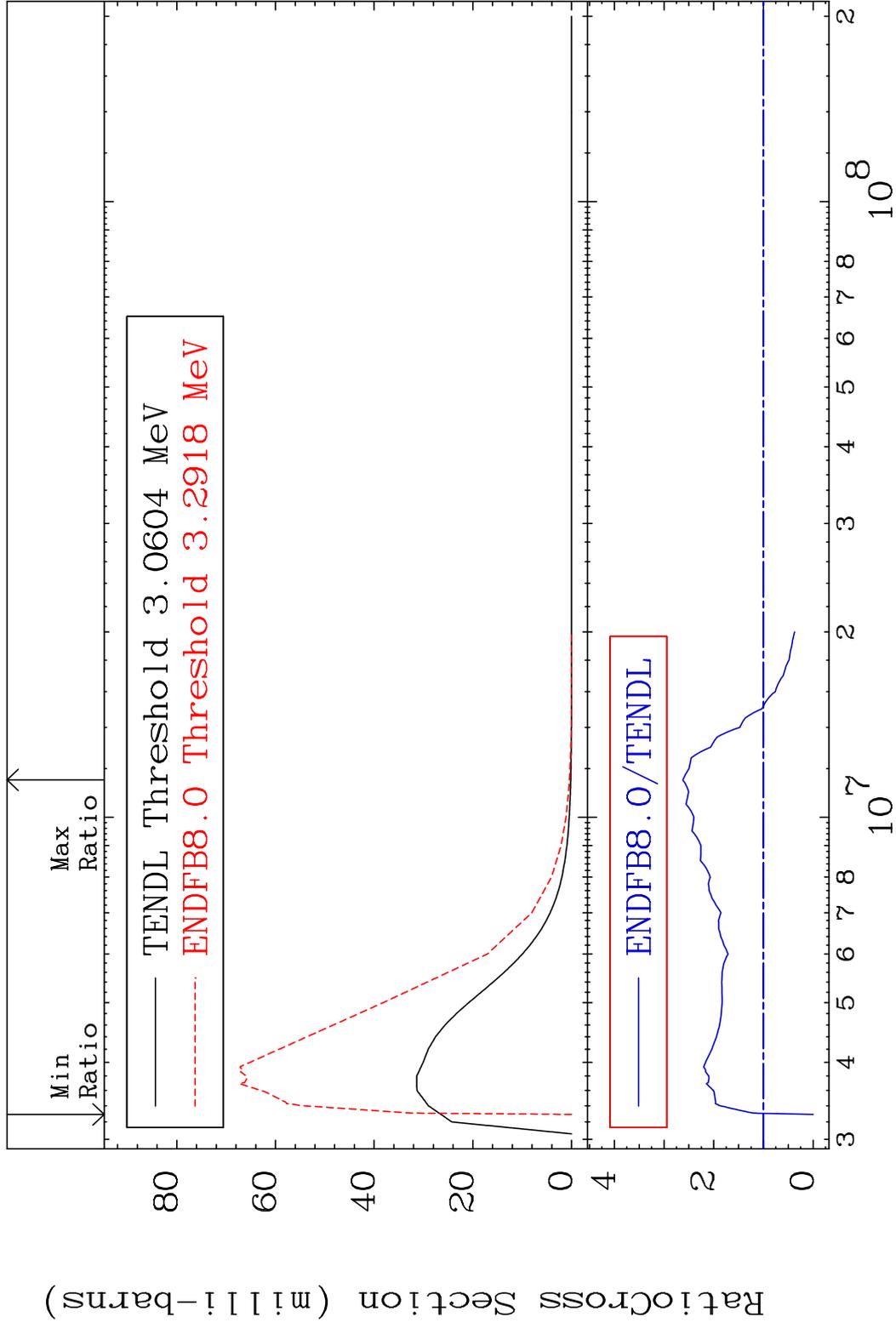
MAT 2231 MT= 54 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %



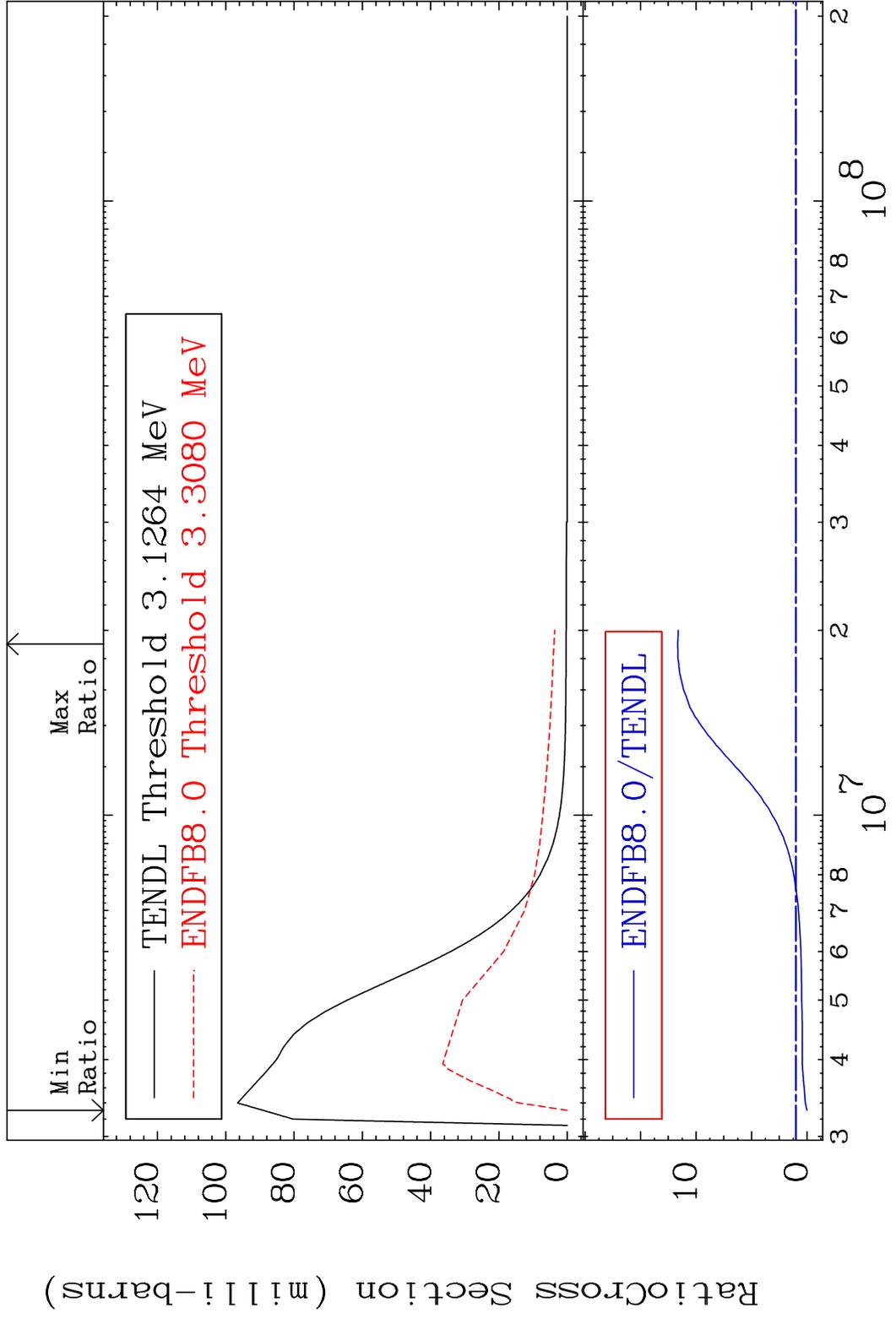
10

10 2 3 4 5 6 7 8 10 8

MAT 2231 MT= 55 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 162.2 %

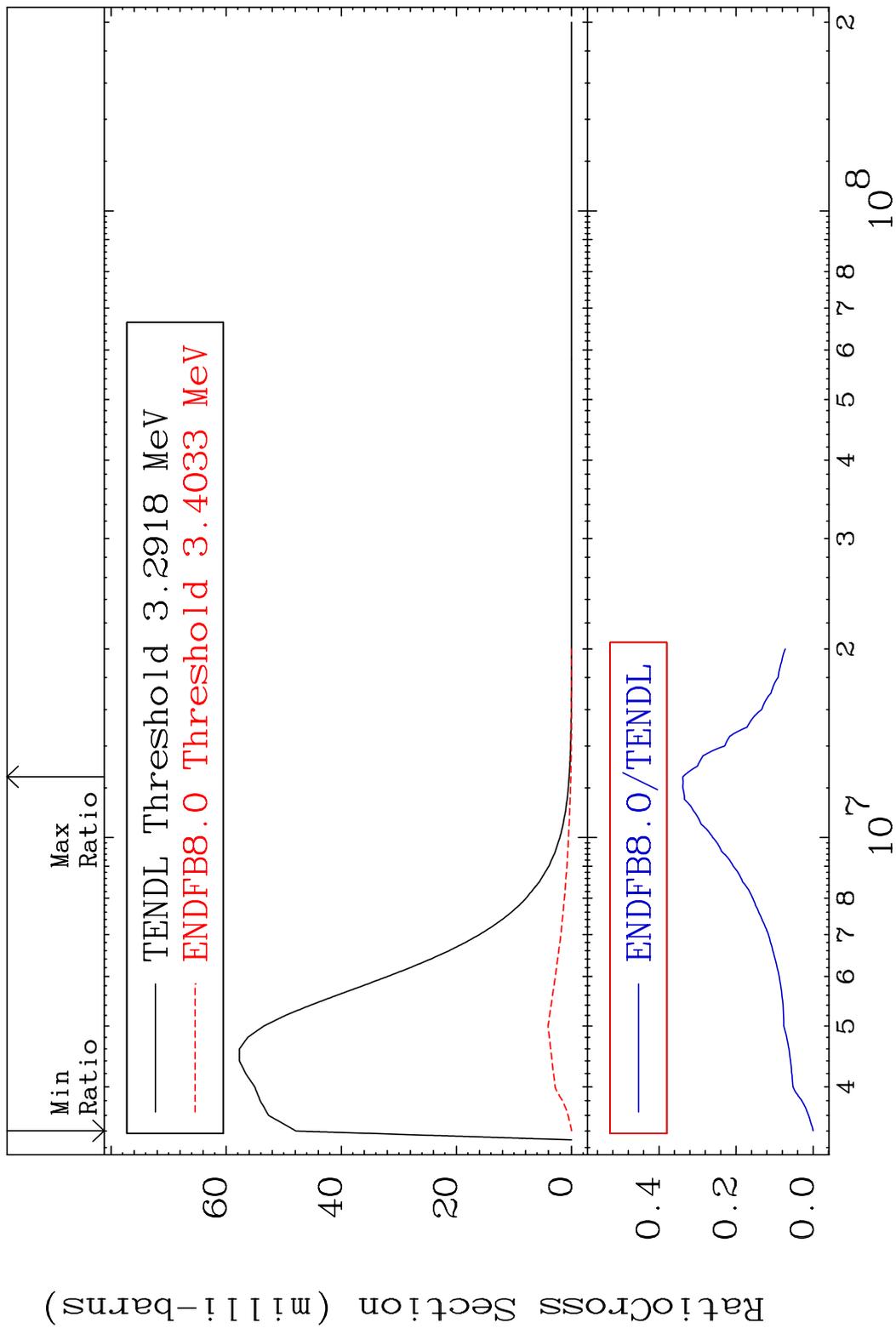


MAT 2231 MT= 56 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 1065. %

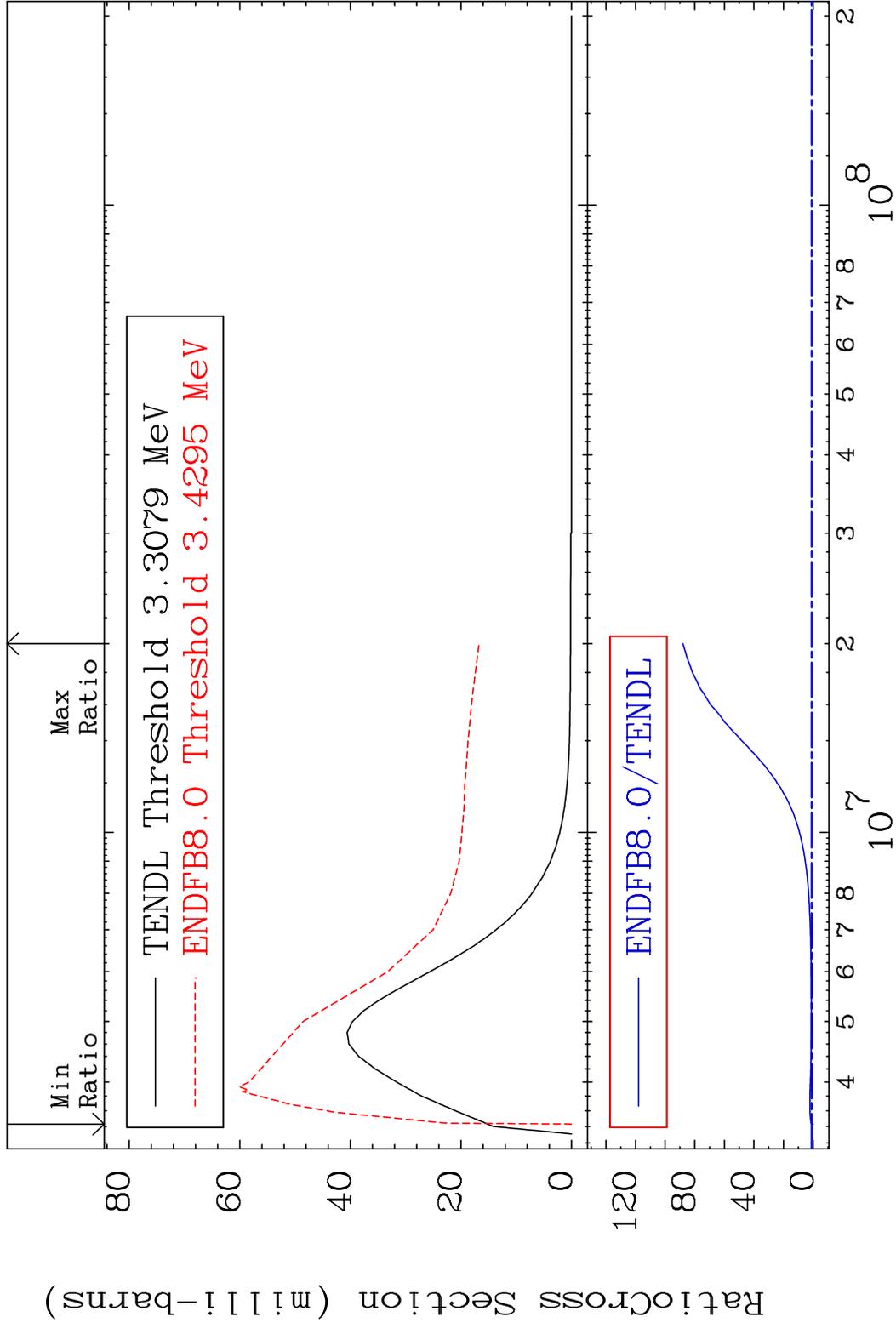


12 Incident Energy (eV) 22-Ti-48

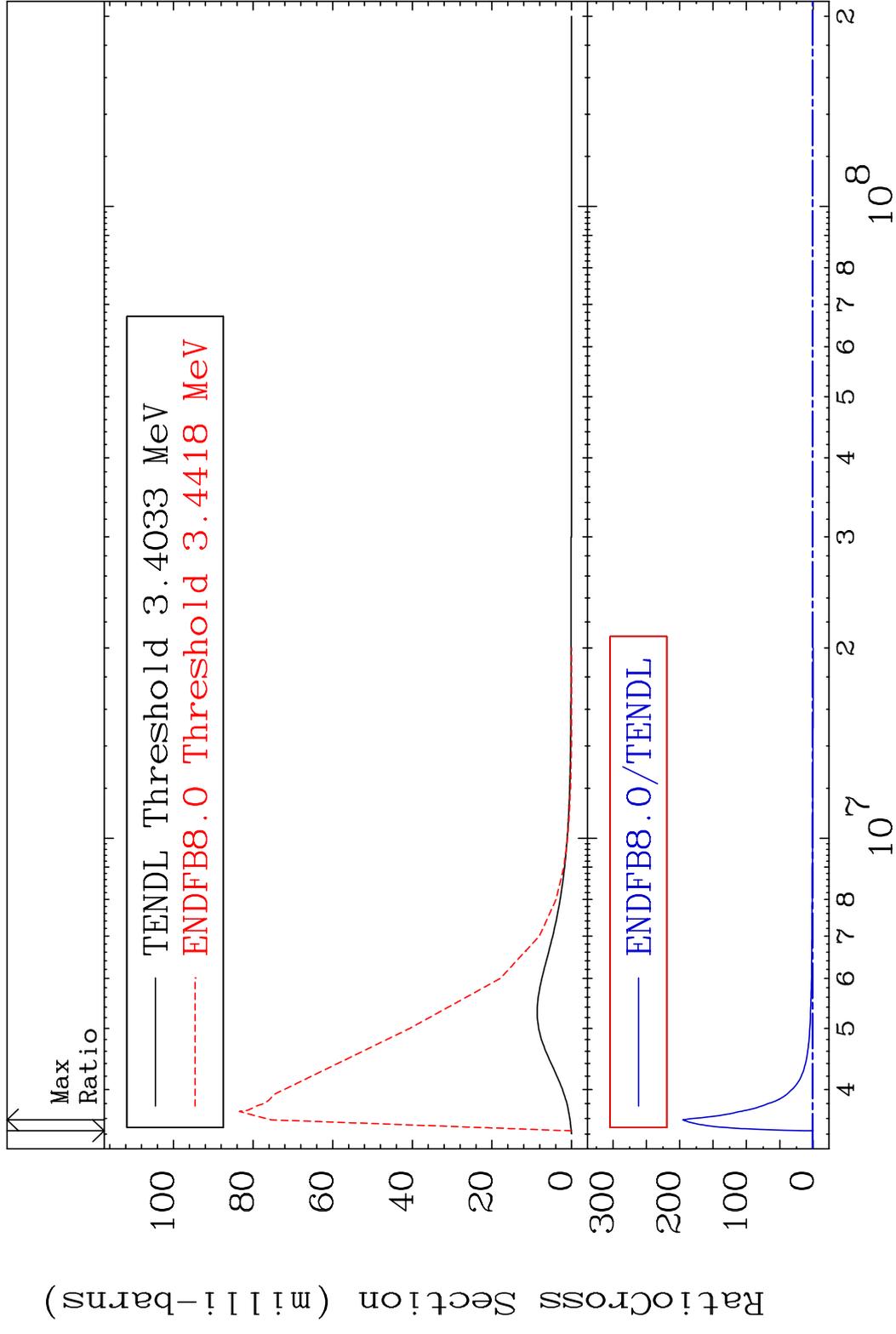
MAT 2231 MT= 57 (n,n') Level 22-Ti-48
 Cross Section -100.0 To -66.18%



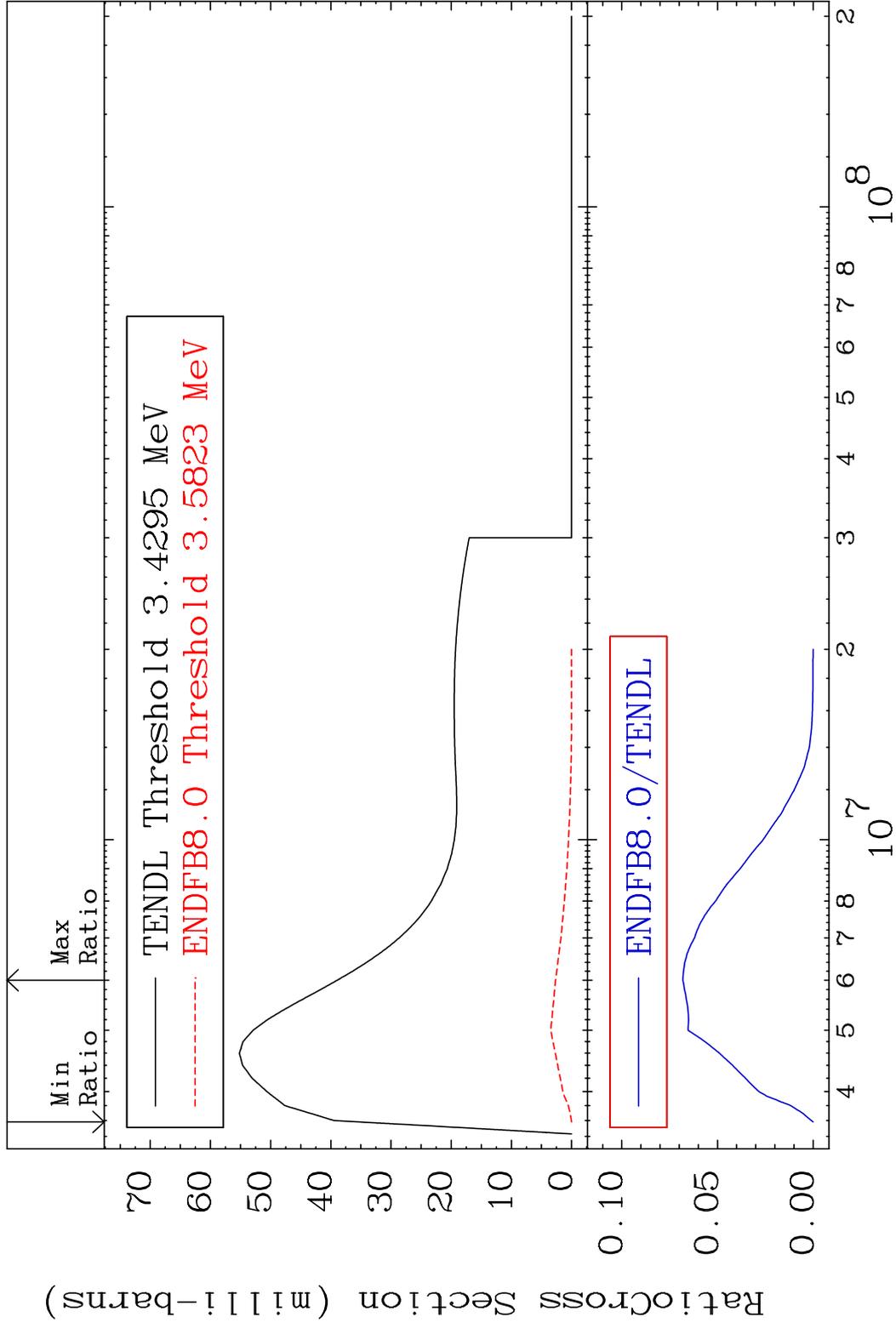
MAT 2231 MT= 58 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 8707. %



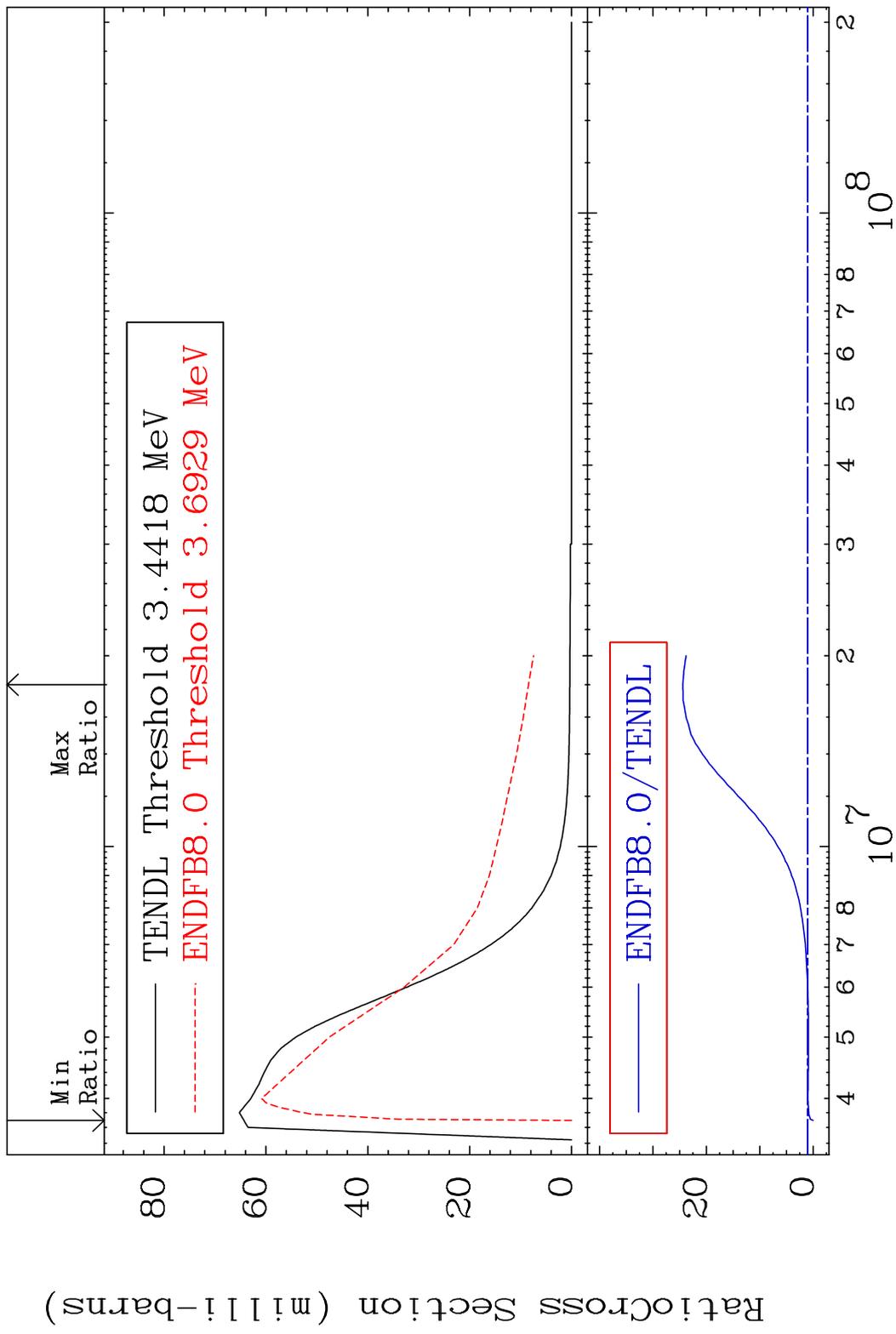
MAT 2231 MT= 59 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %



MAT 2231 MT= 60 (n,n') Level 22-Ti-48
 Cross Section -100.0 To -93.19%

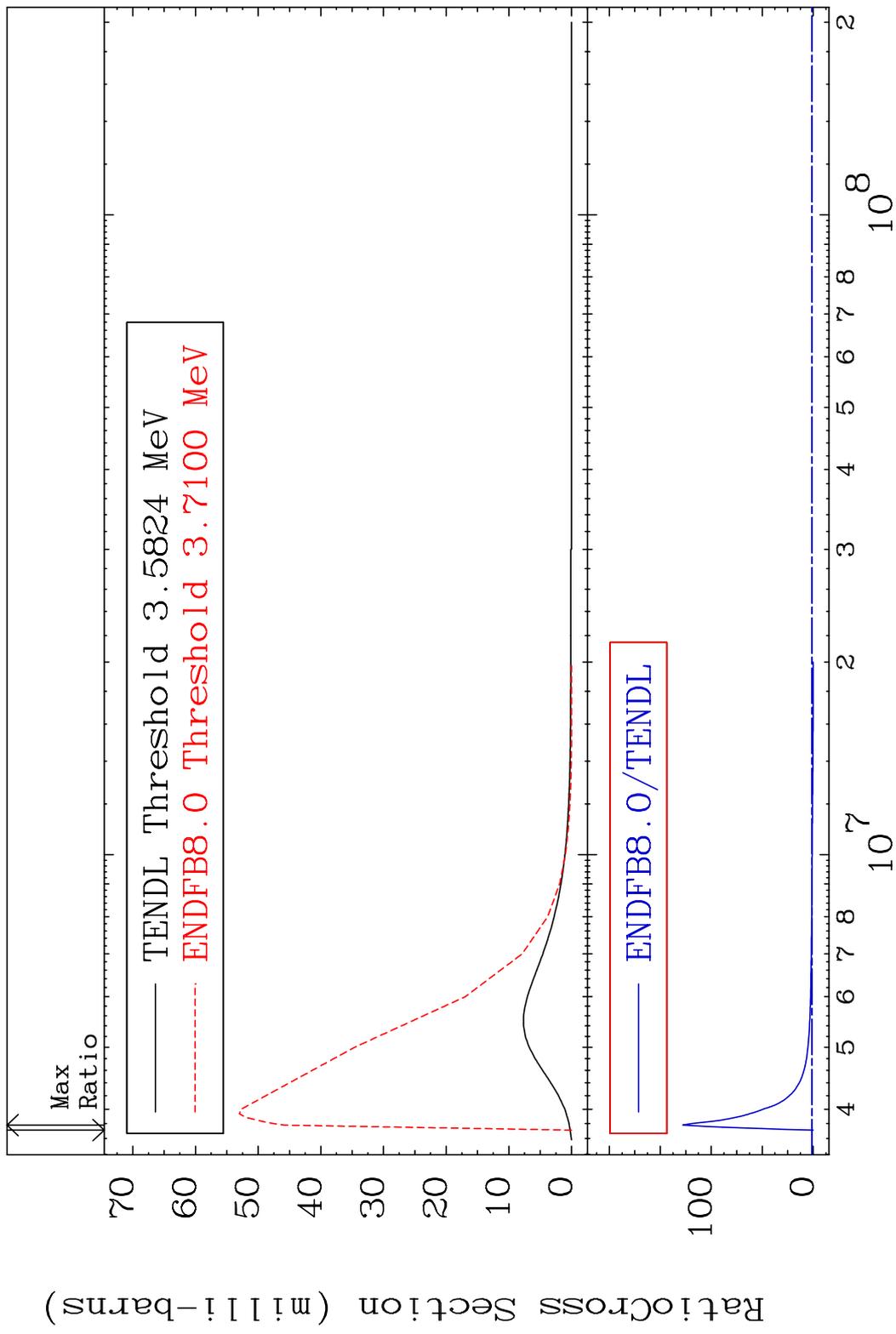


MAT 2231 MT= 61 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 2340. %

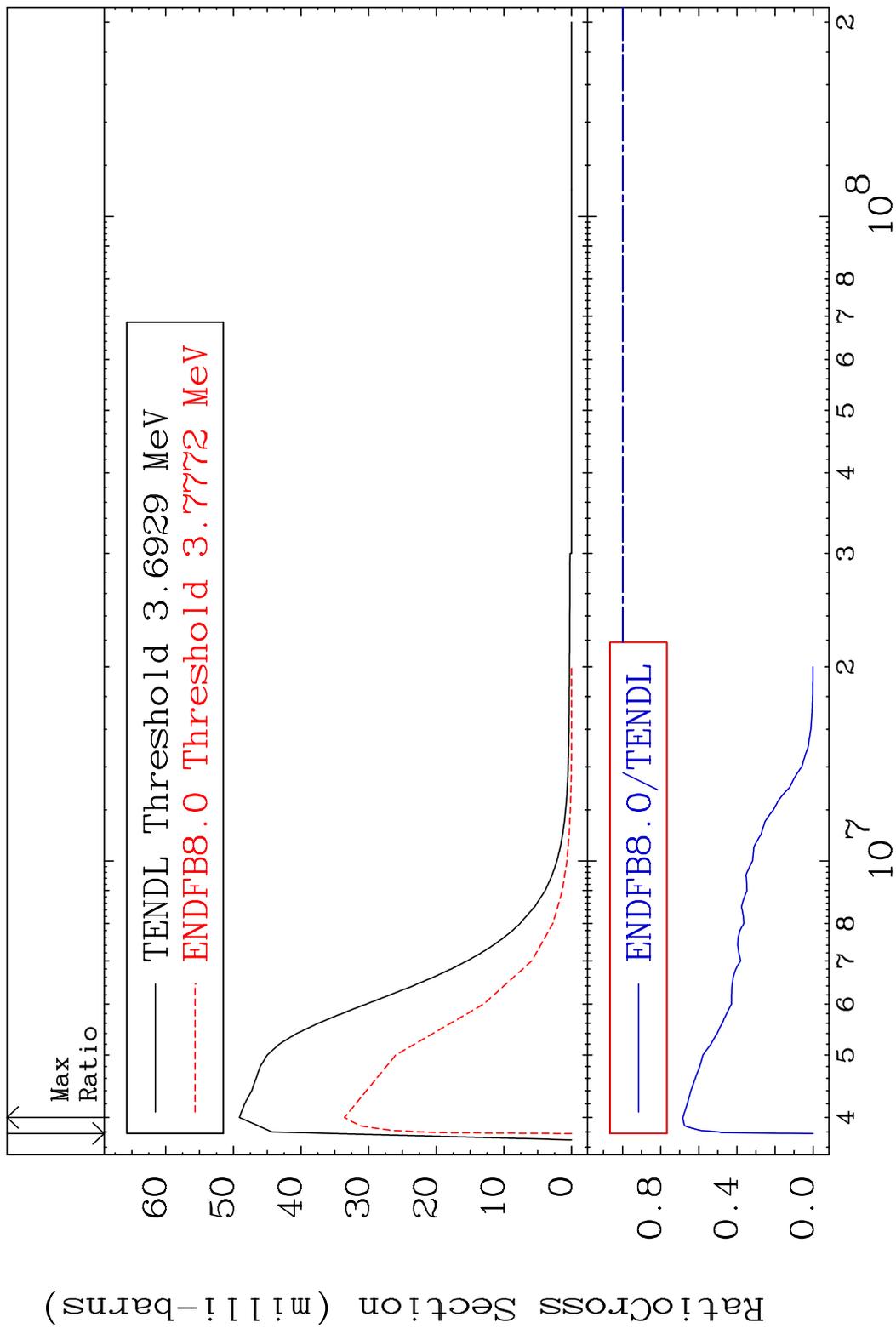


17 18 22-Ti-48

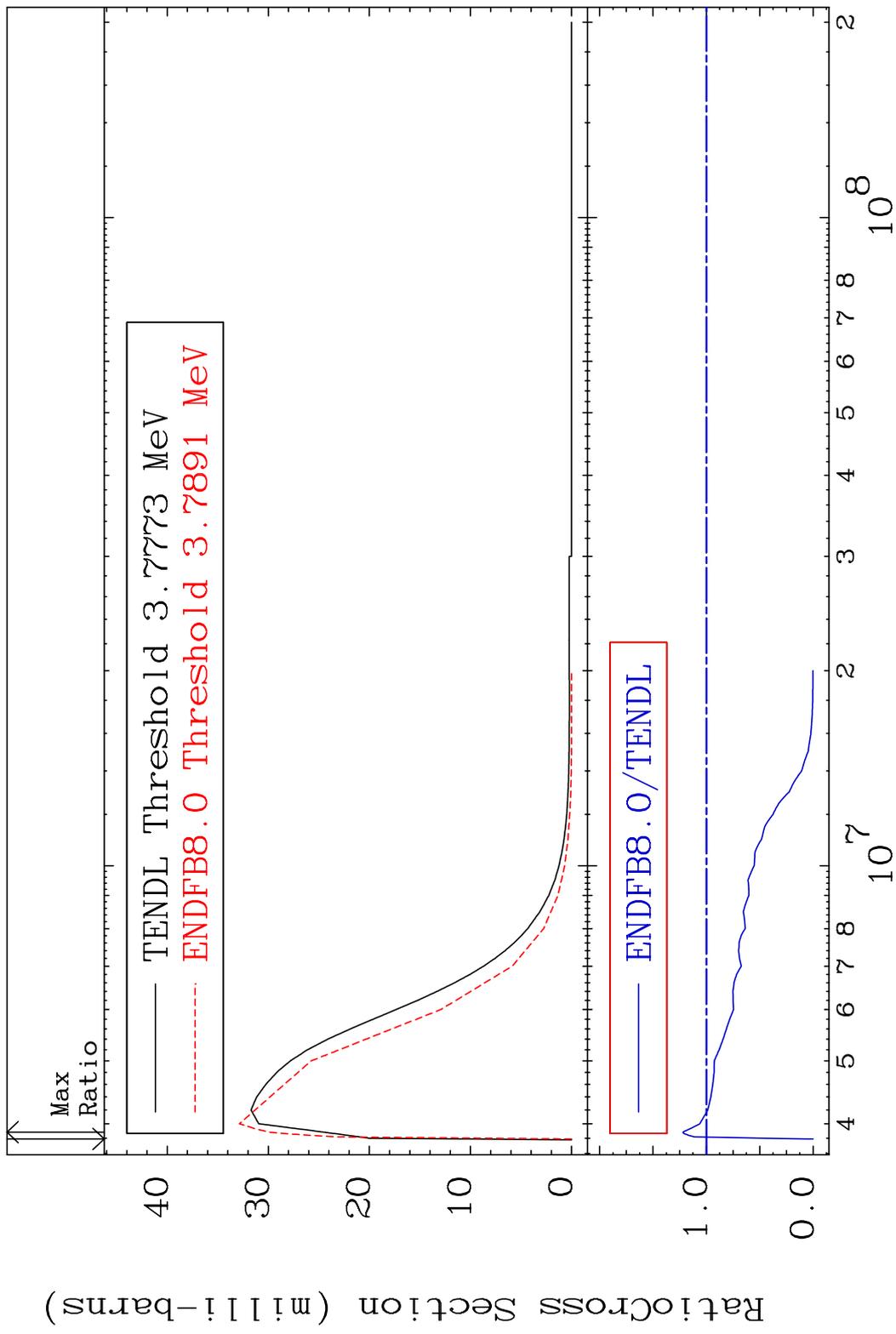
MAT 2231 MT= 62 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %



MAT 2231 MT= 63 (n,n') Level 22-Ti-48
 Cross Section -100.0 To -31.63%

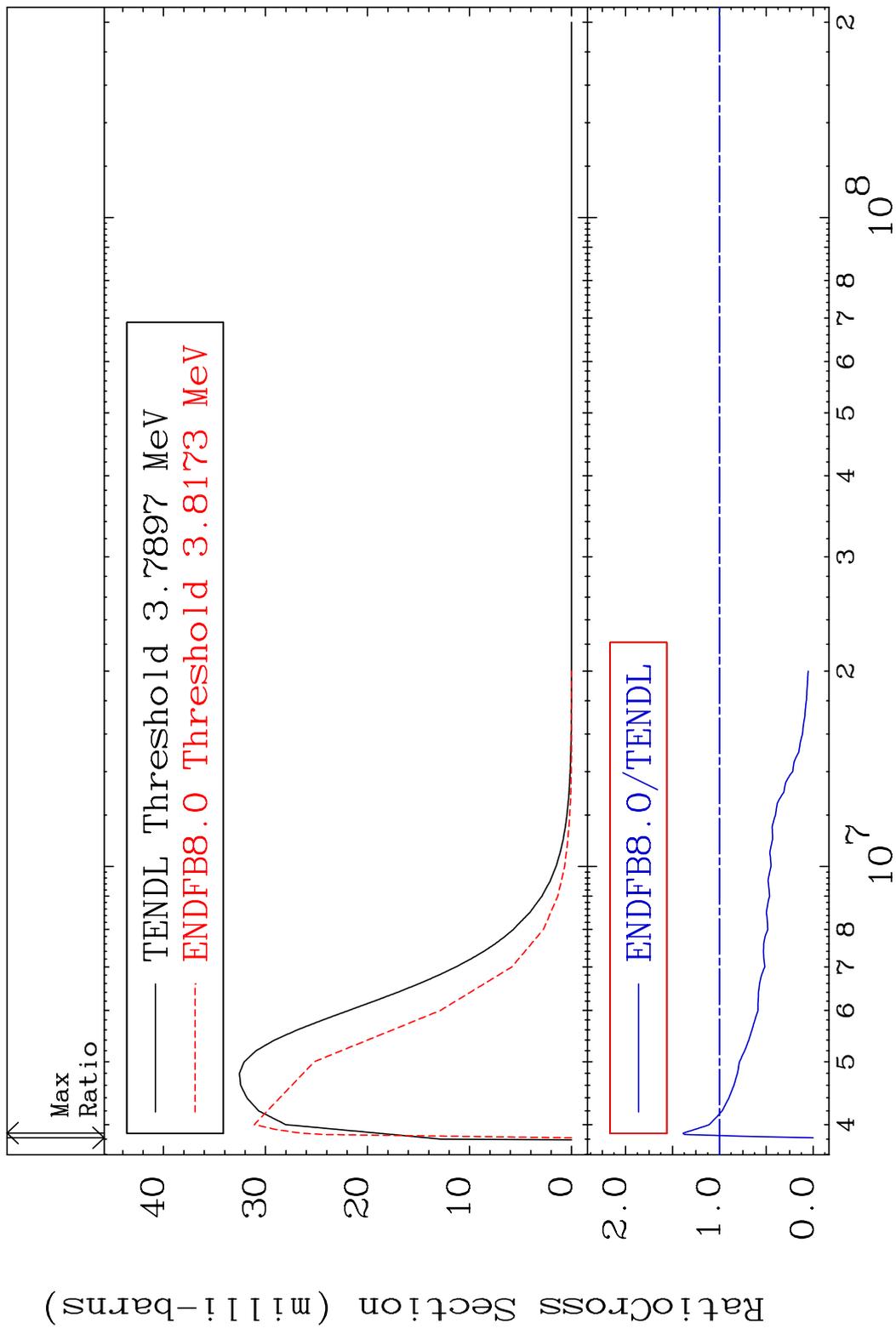


MAT 2231 MT= 64 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 22.04 %



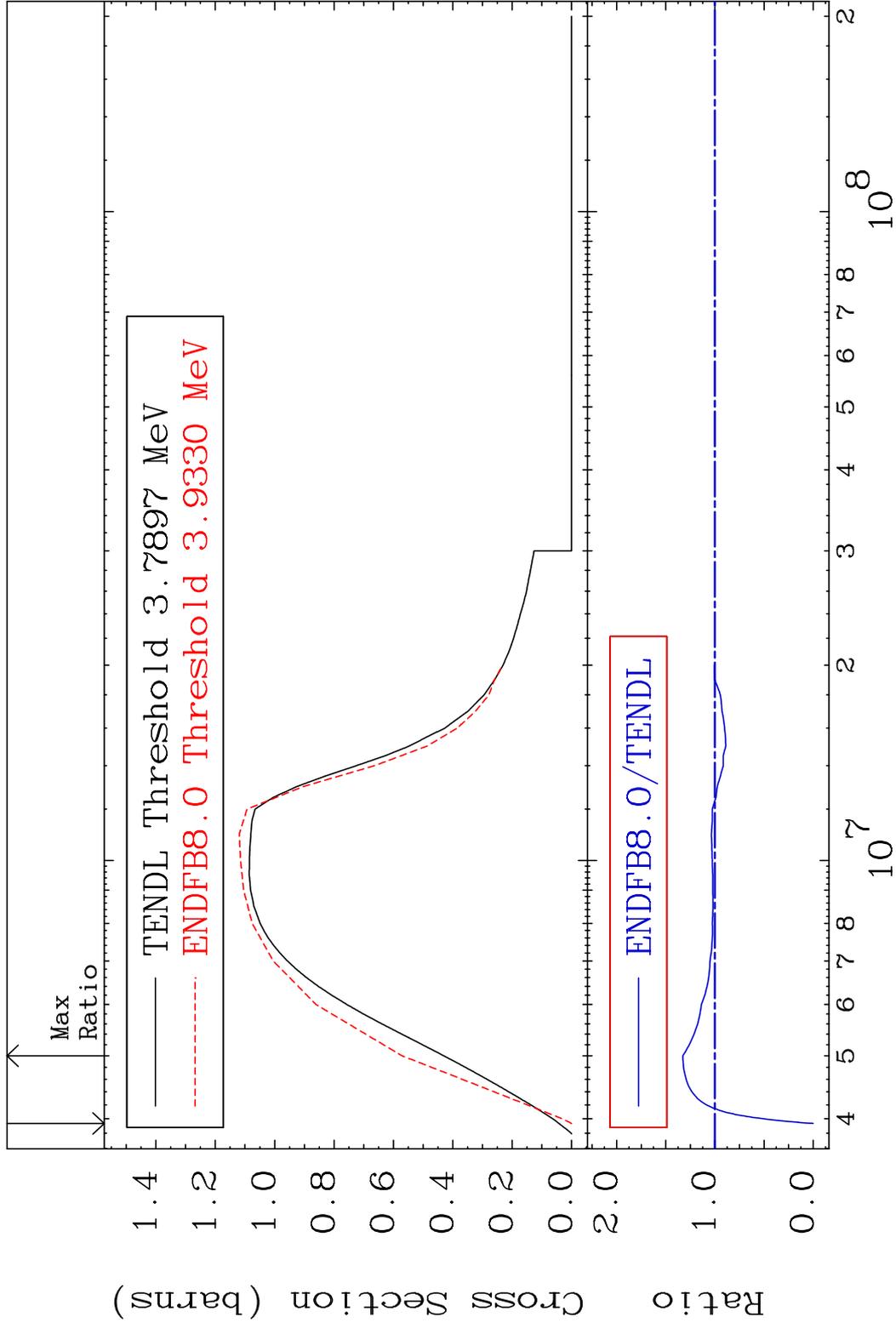
20 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 65 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 39.03 %



21 Incident Energy (eV) 22-Ti-48

MAT 2231 (n,n') Continuum 22-Ti-48
 Cross Section -100.0 To 32.66 %



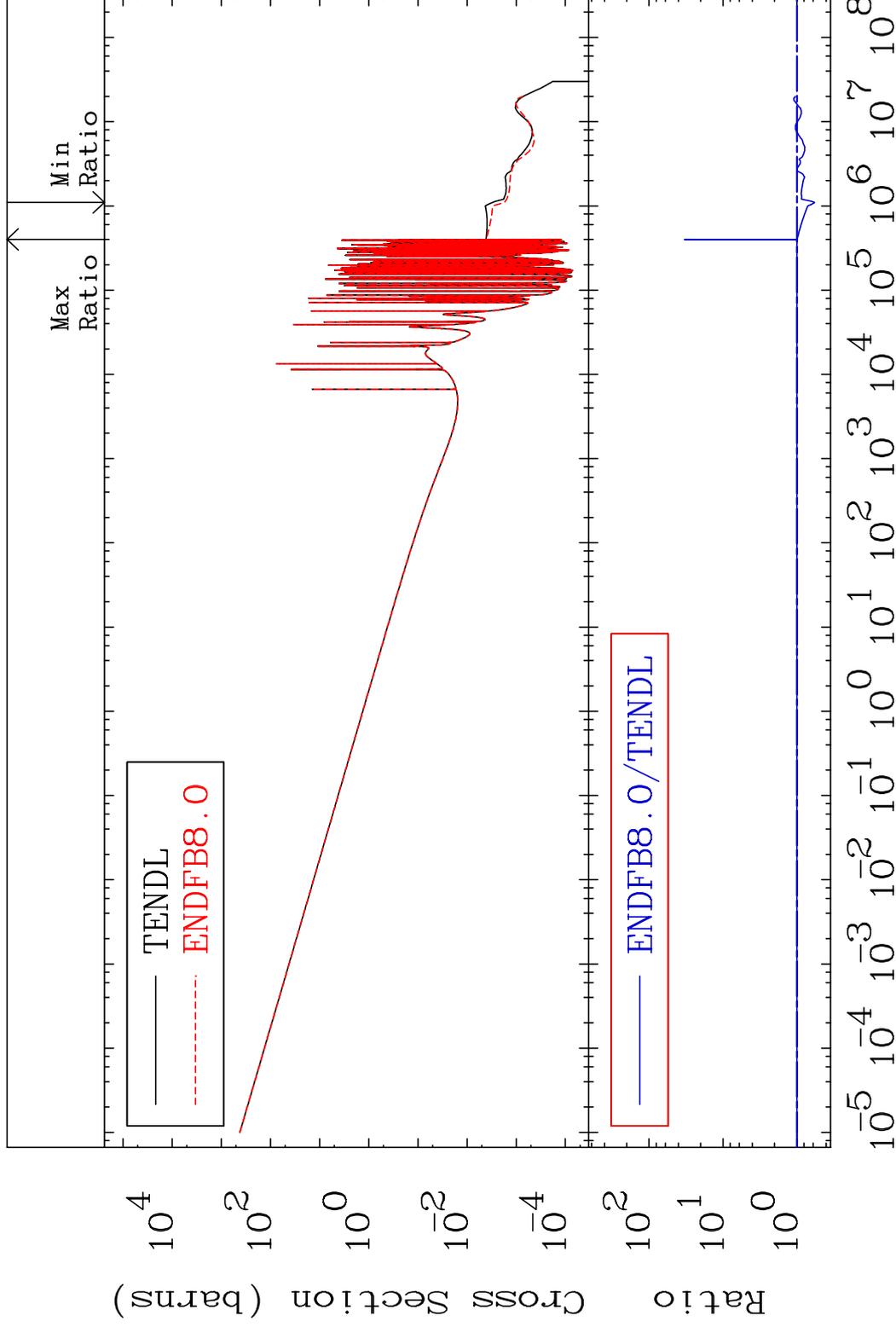
MAT 2231

(n, γ)

22-Ti-48

Cross Section

-42.69 To 3251. %

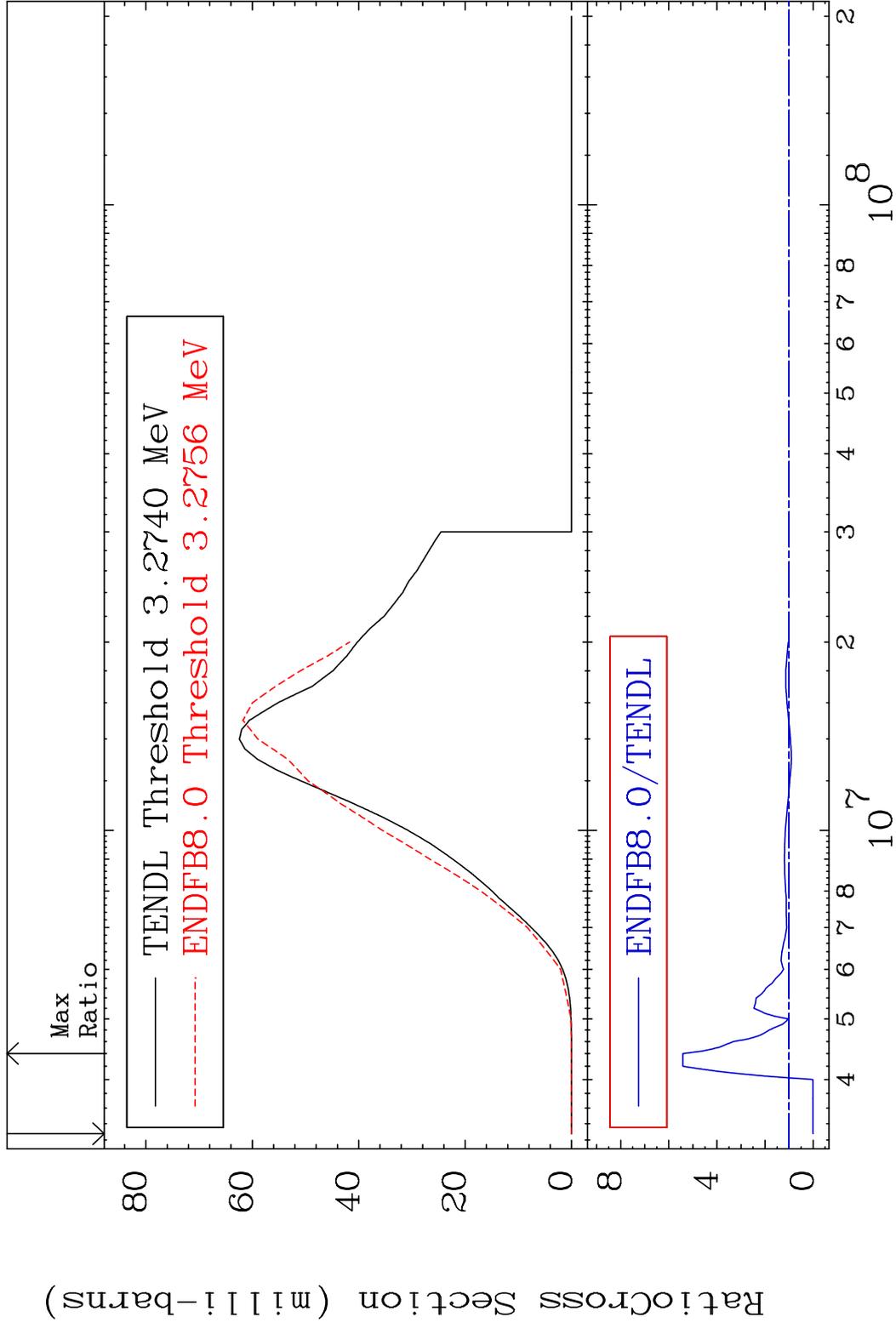


23

Incident Energy (eV)

22-Ti-48

MAT 2231 (n,p) 22-Ti-48
 Cross Section -100.0 To 441.7 %

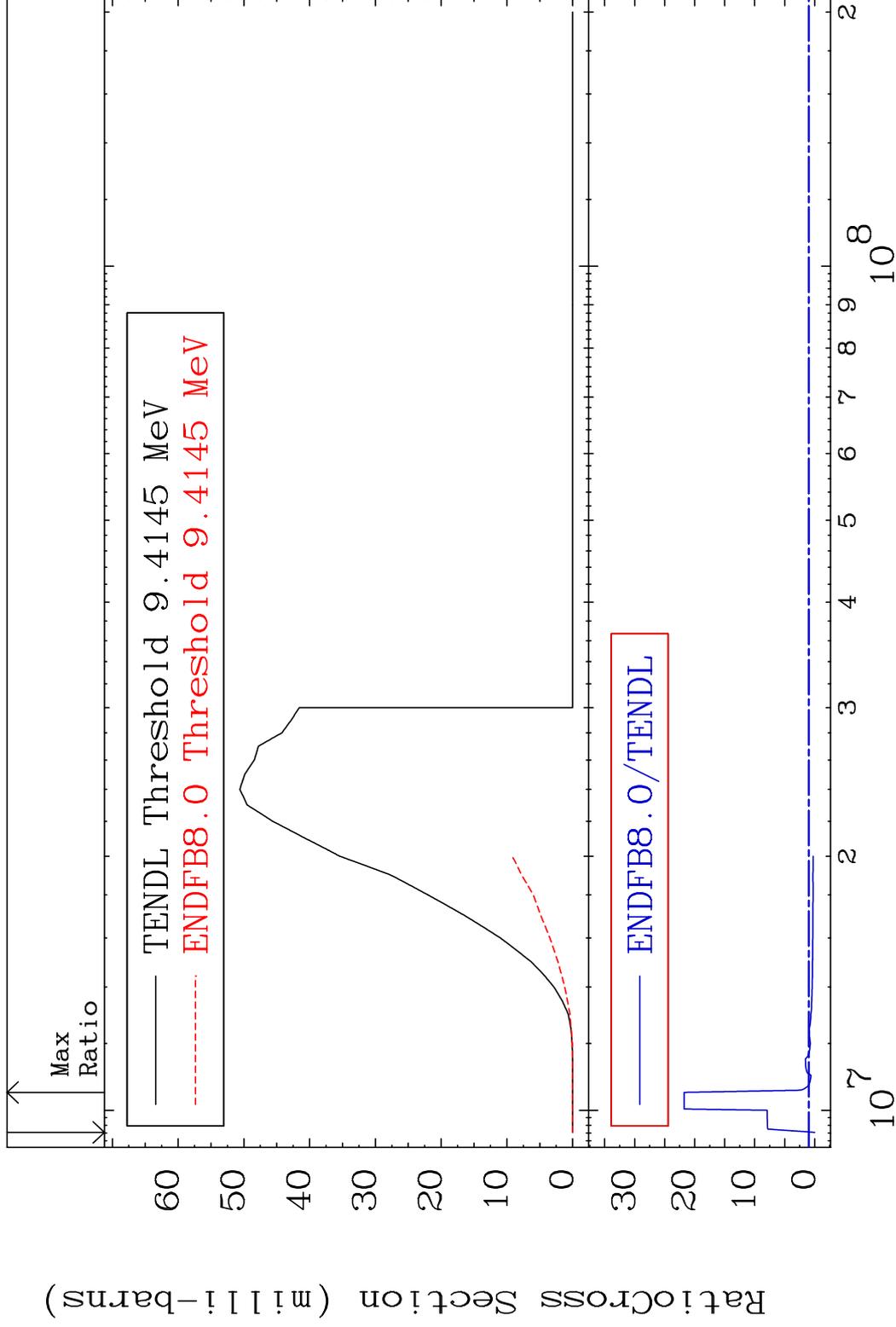


MAT 2231

(n,d)

²²Ti-48

Cross Section -100.0 To 2076. %



25

Incident Energy (eV)

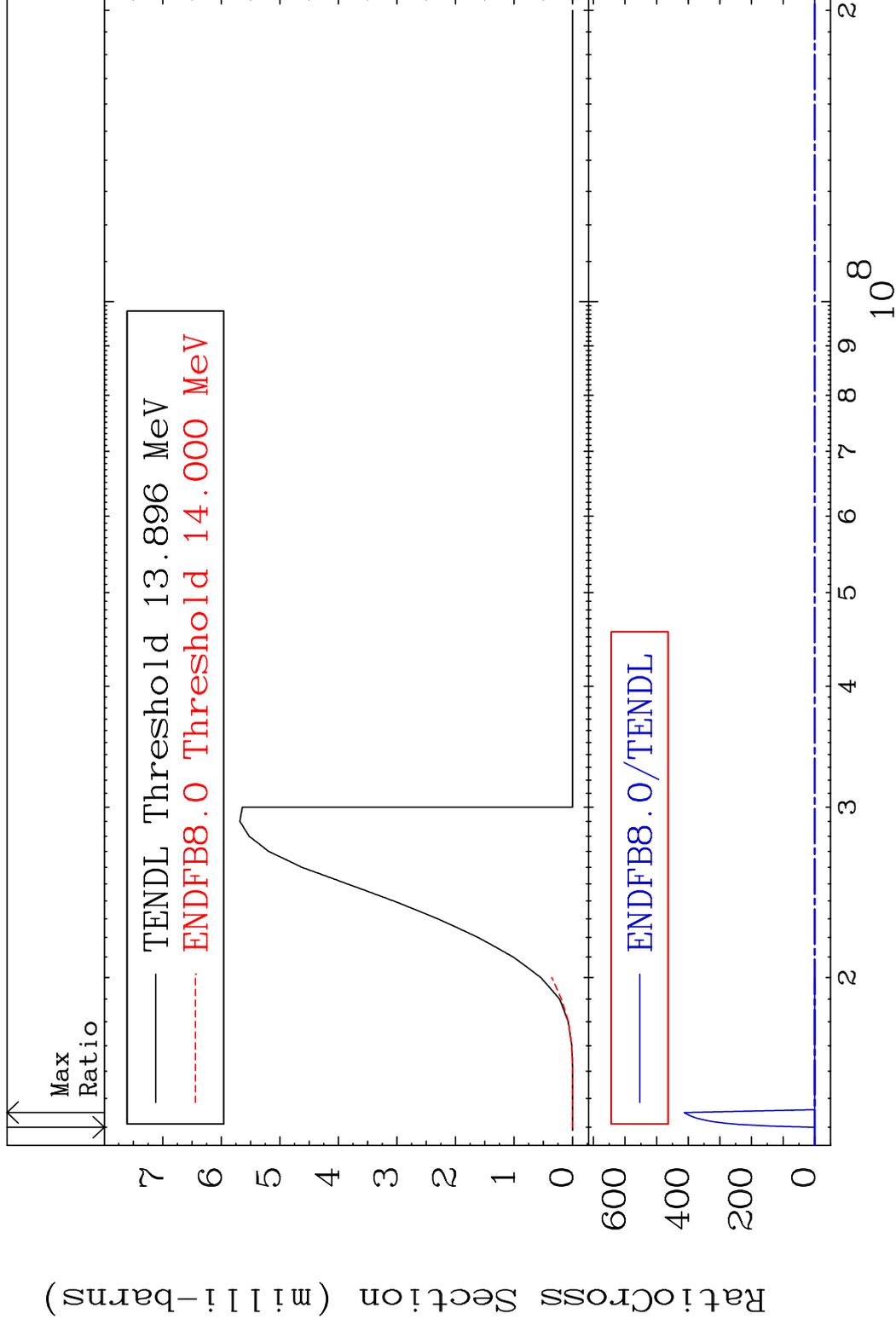
²²Ti-48

MAT 2231

(n, t)

22-Ti-48

Cross Section -100.0 To 9999. %

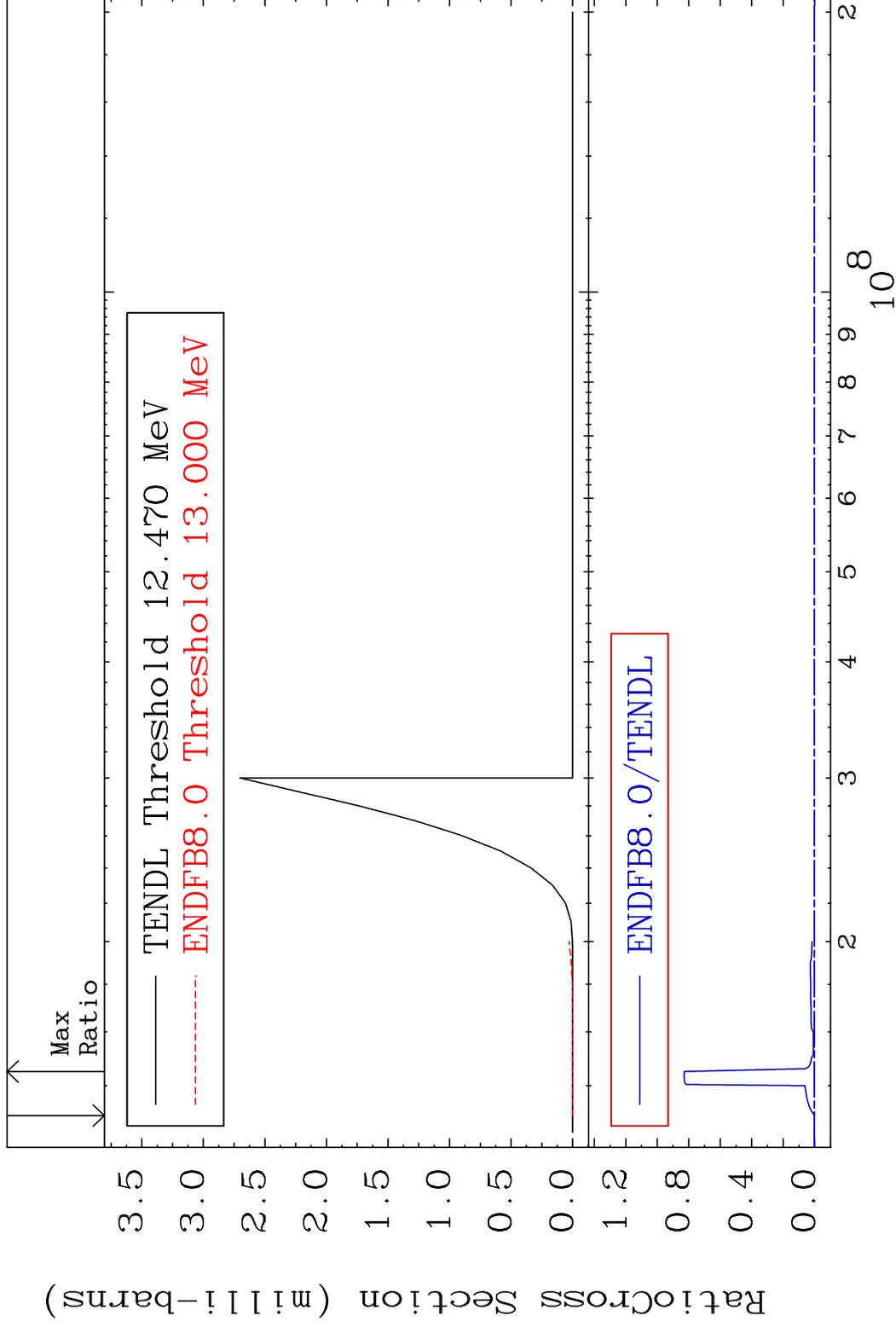


MAT 2231

(n, He-3)

22-Ti-48

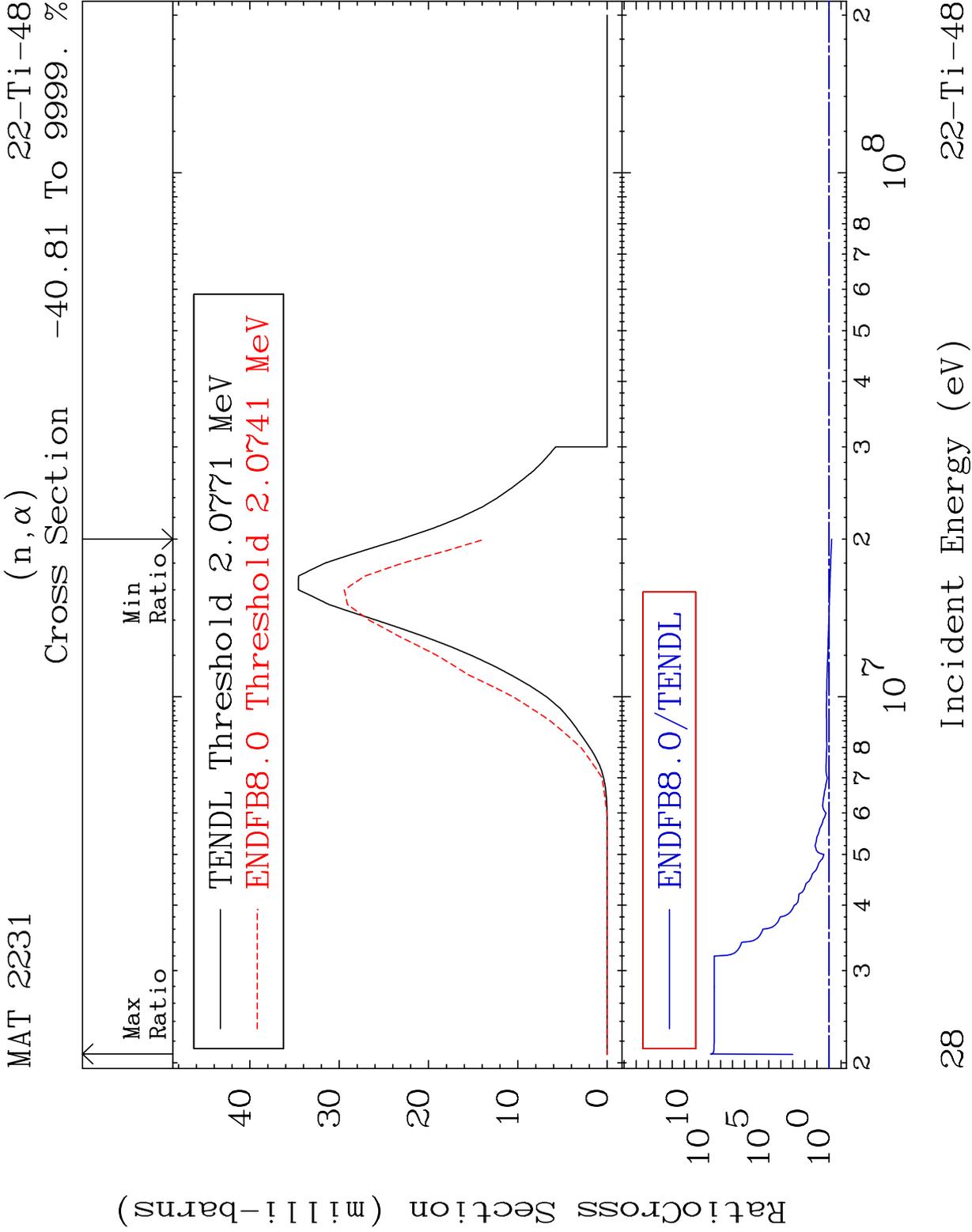
Cross Section -100.0 To 9999. %



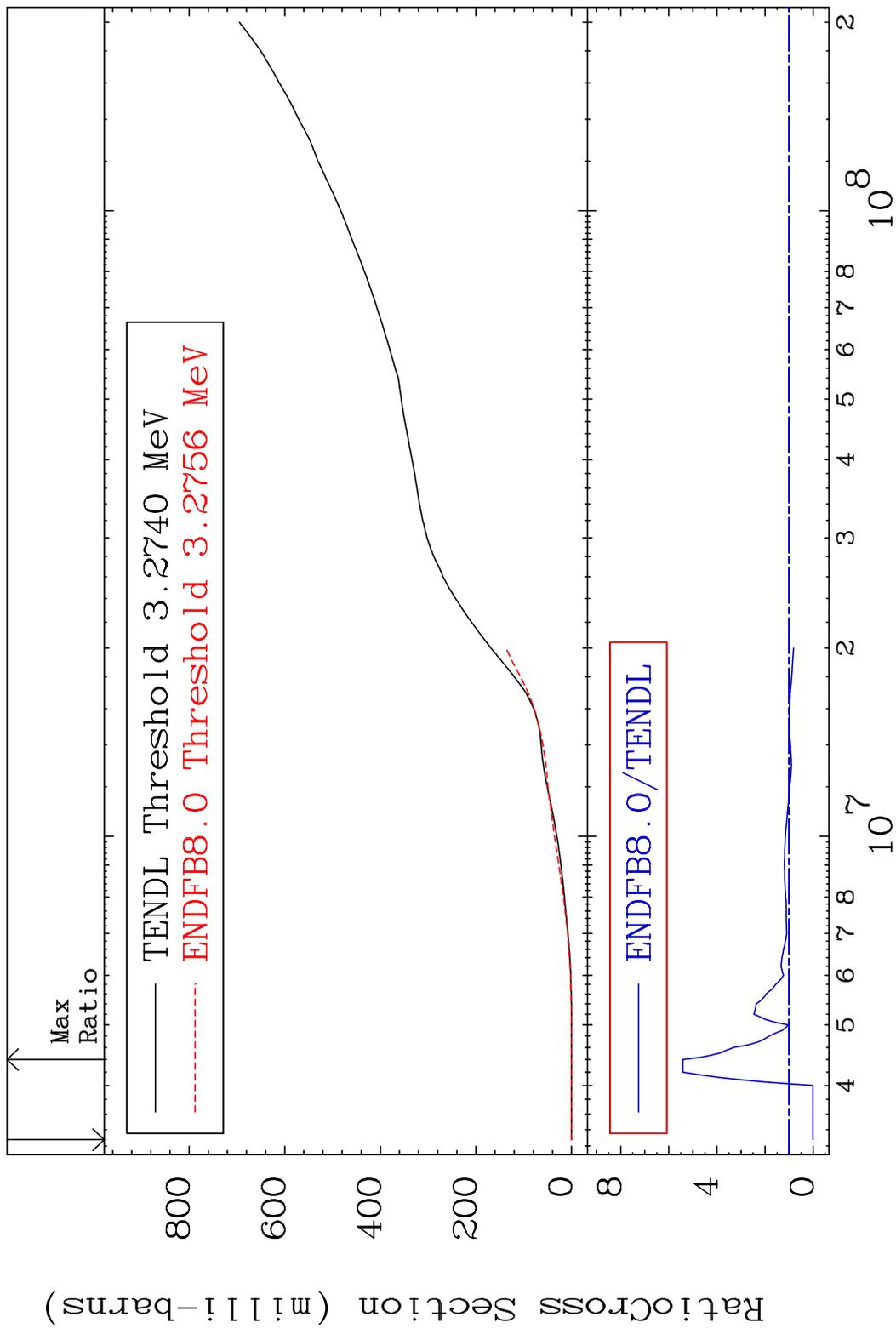
27

Incident Energy (eV)

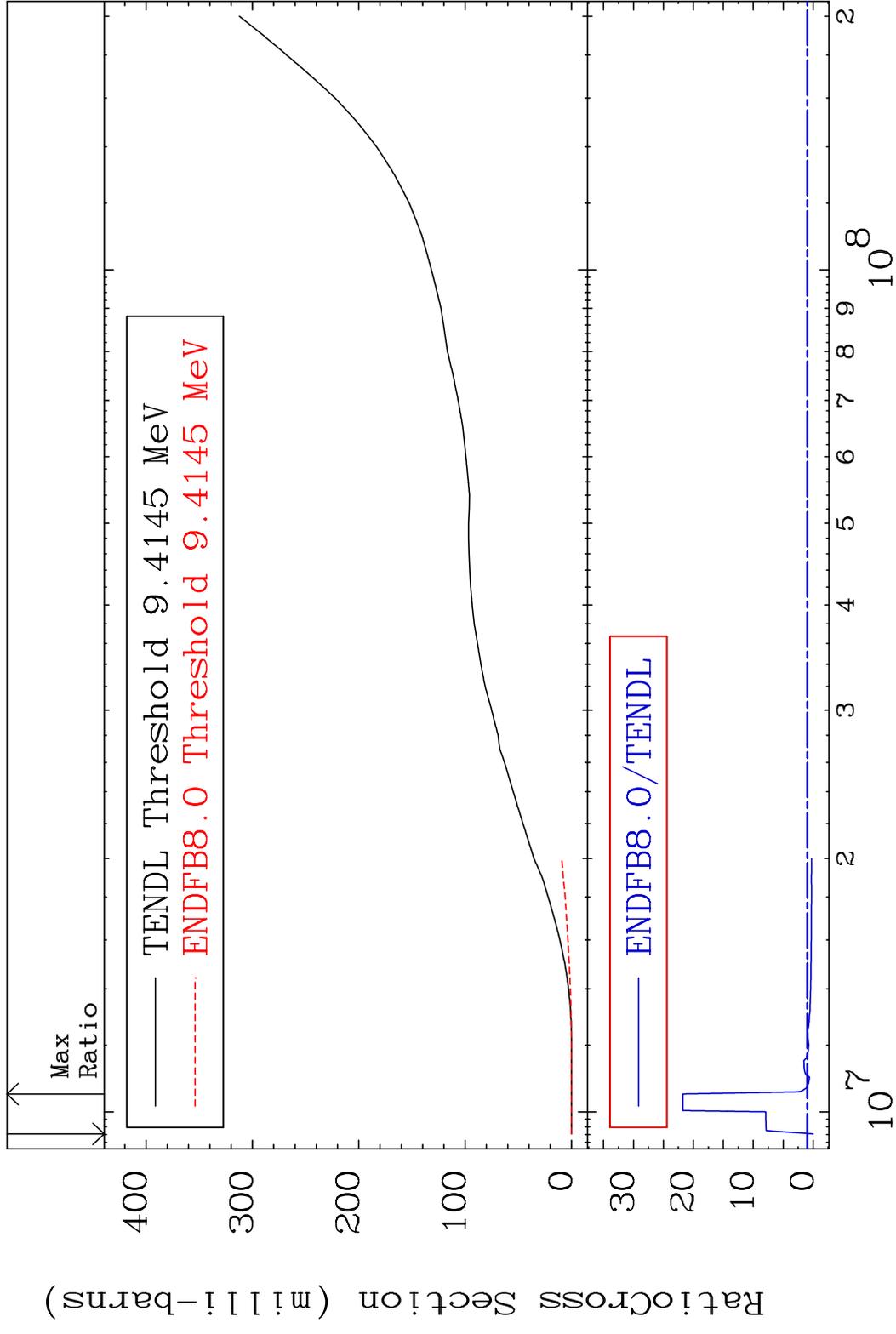
22-Ti-48



MAT 2231 Hydrogen Production $^{22}\text{Ti-48}$
 Cross Section -100.0 To 441.7 %

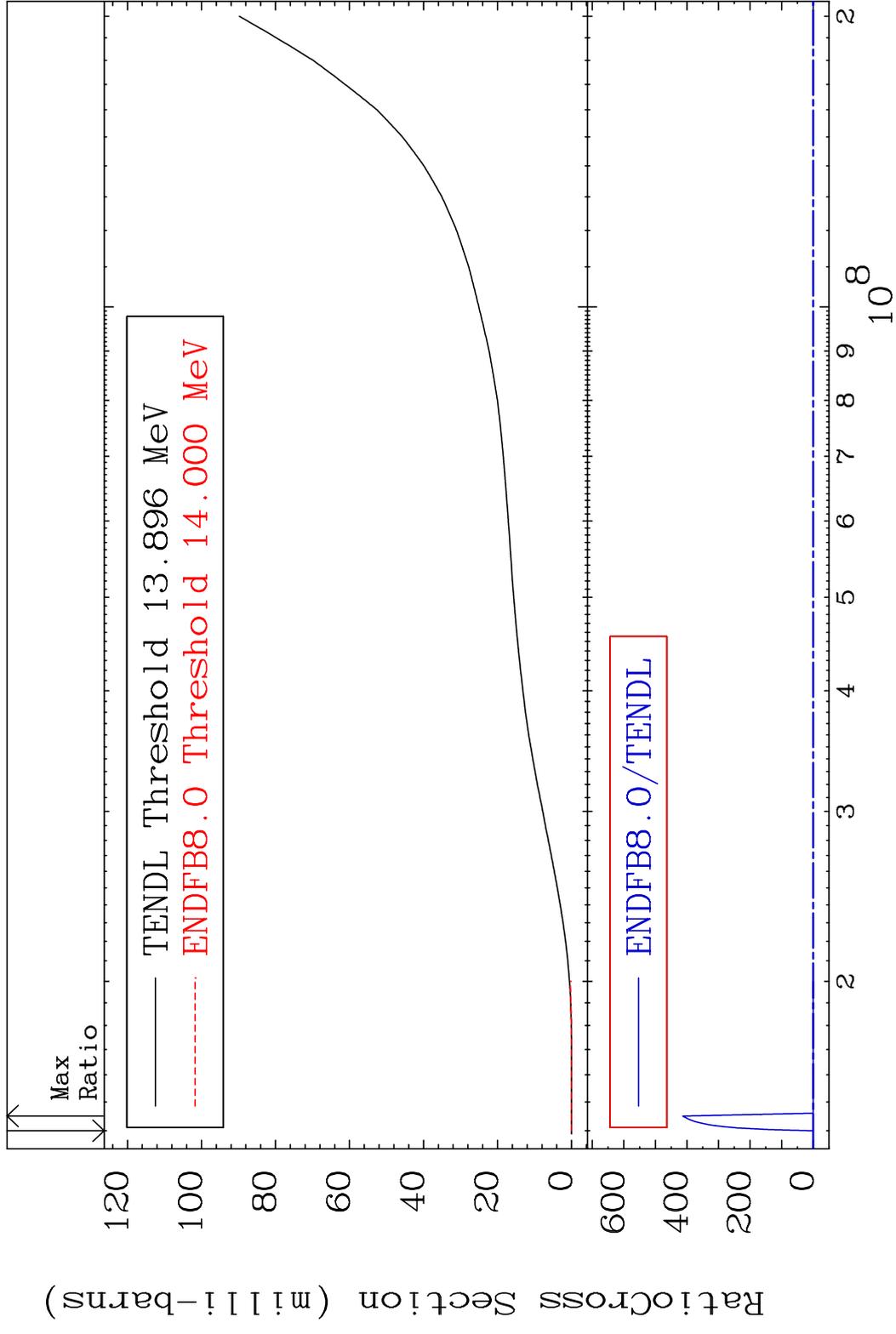


MAT 2231 Deuterium Production ²²Ti-48
 Cross Section -100.0 To 2076. %

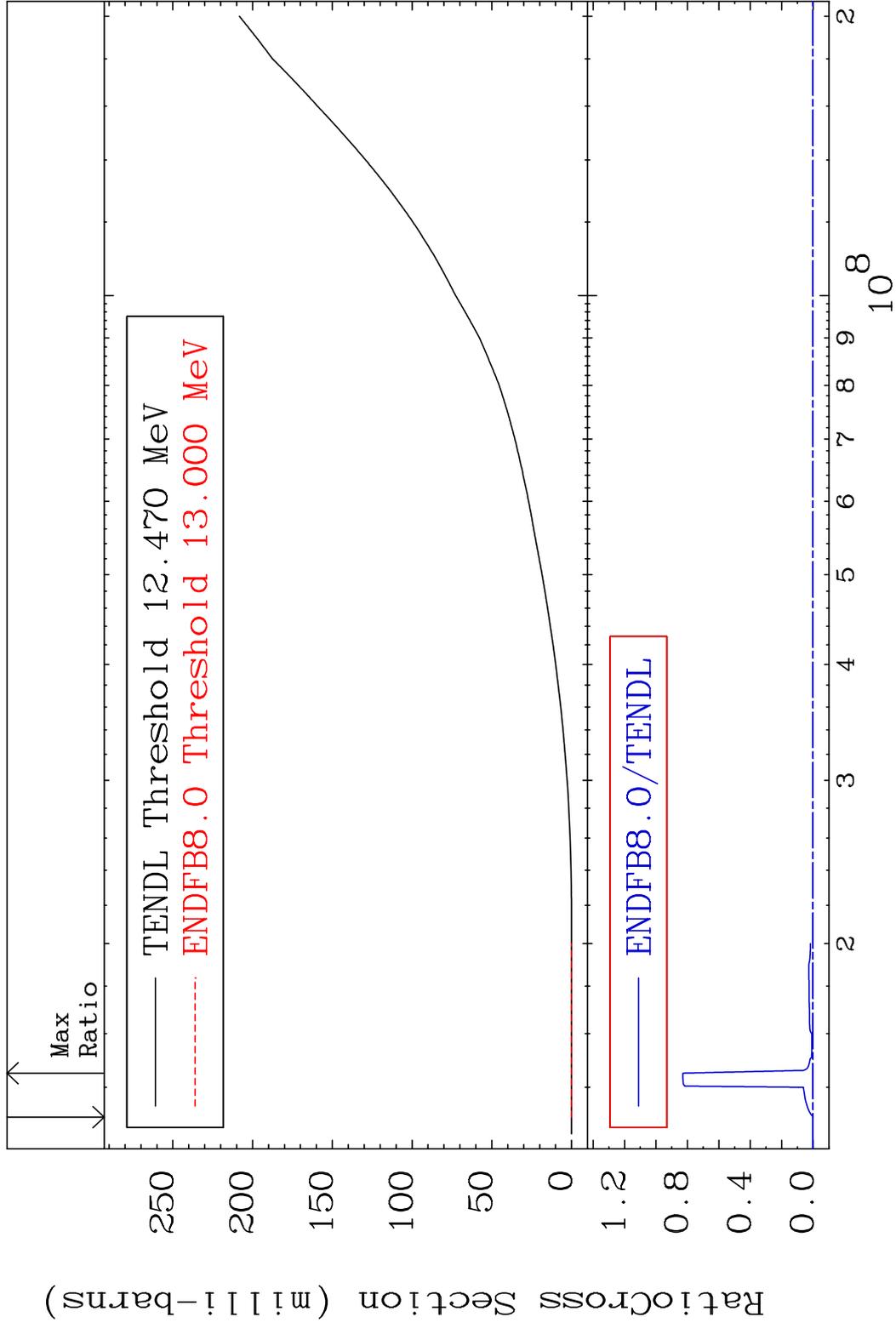


30 Incident Energy (eV) ²²Ti-48

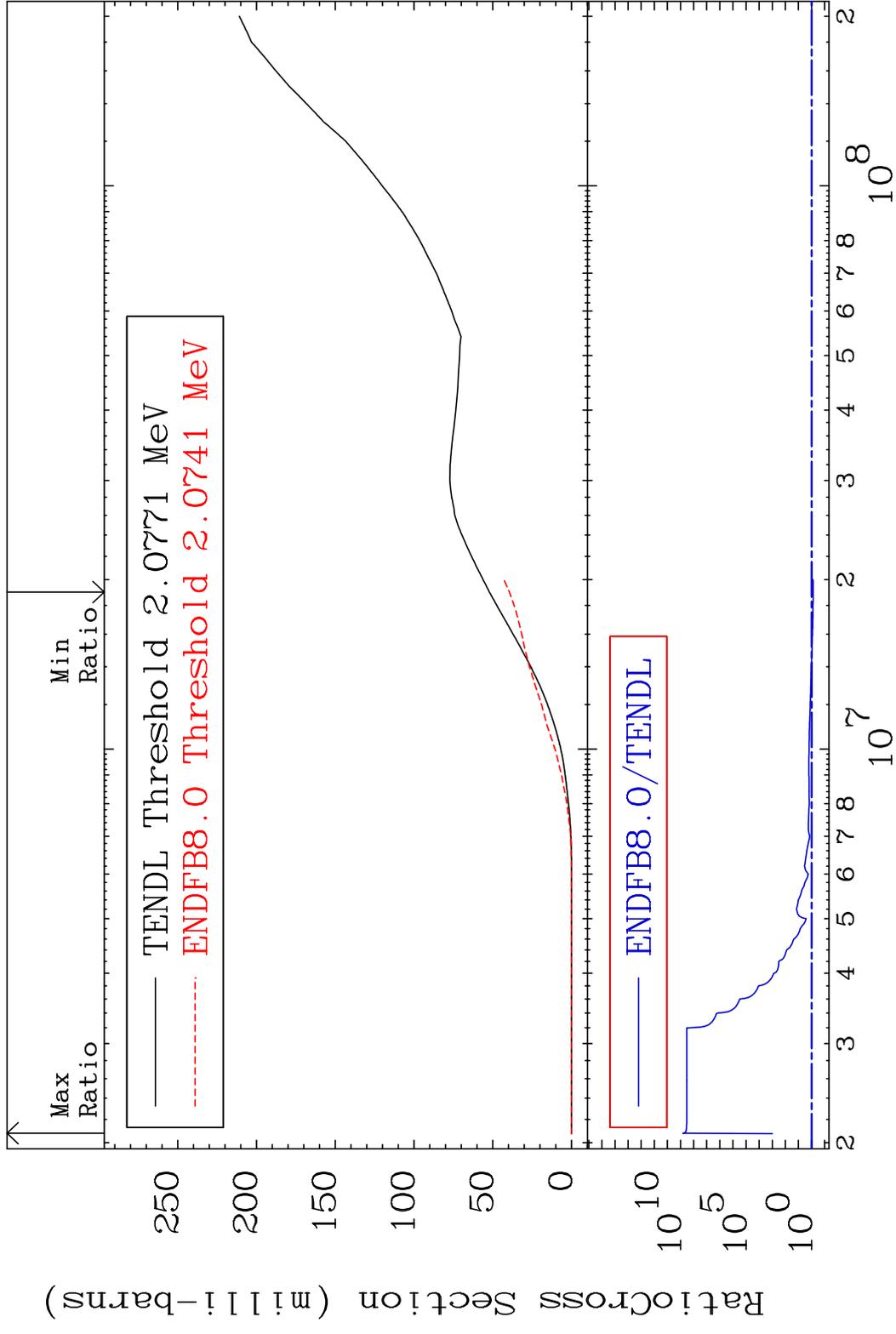
MAT 2231 Tritium Production 22-Ti-48
 Cross Section -100.0 To 9999. %



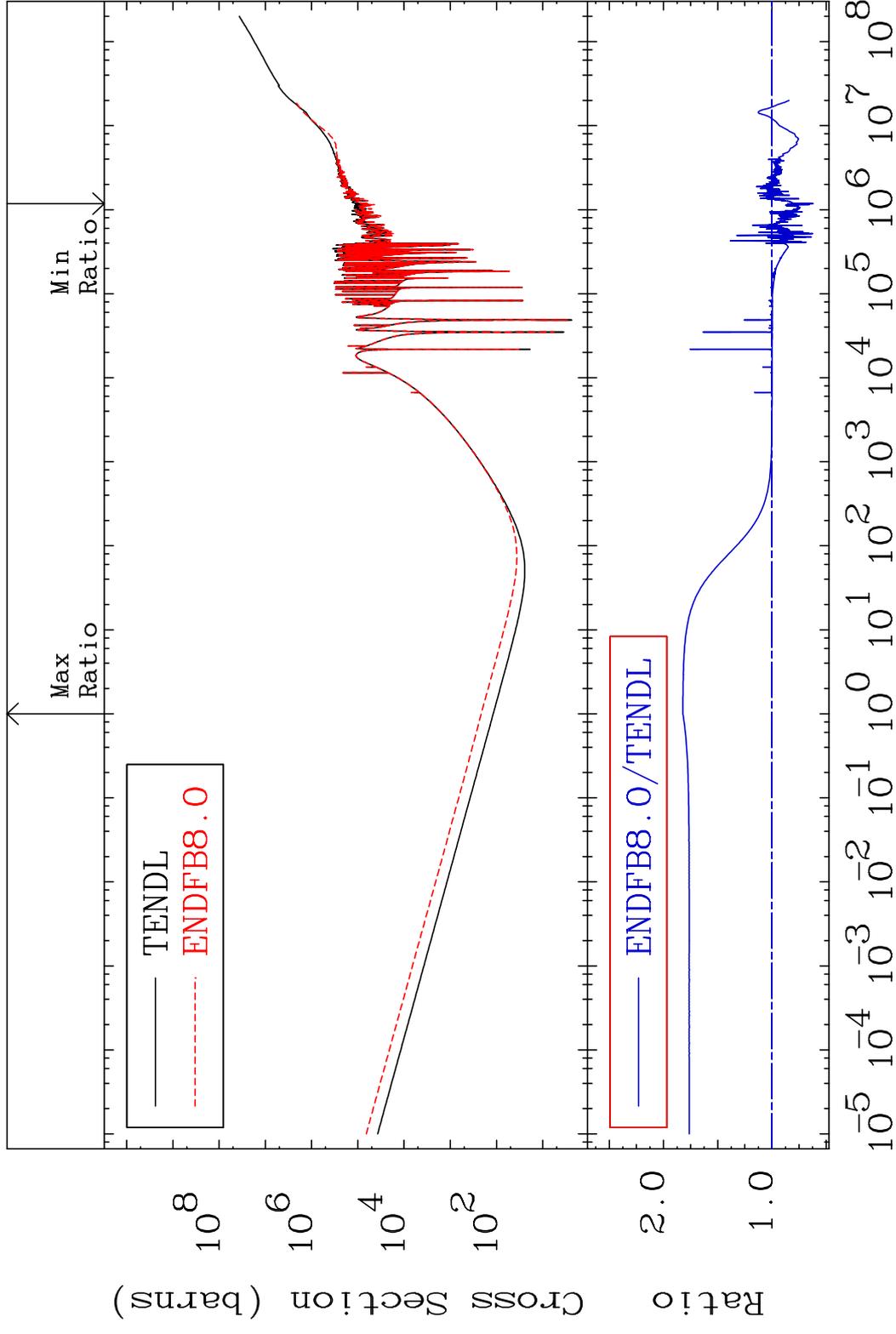
MAT 2231 He-3 Production 22-Ti-48
 Cross Section -100.0 To 9999. %



MAT 2231 He-4 Production 22-Ti-48
 Cross Section -24.32 To 9999. %



MAT 2231 Kerma total (eV-barns) 22-Ti-48
 Cross Section -37.99 To 82.17 %

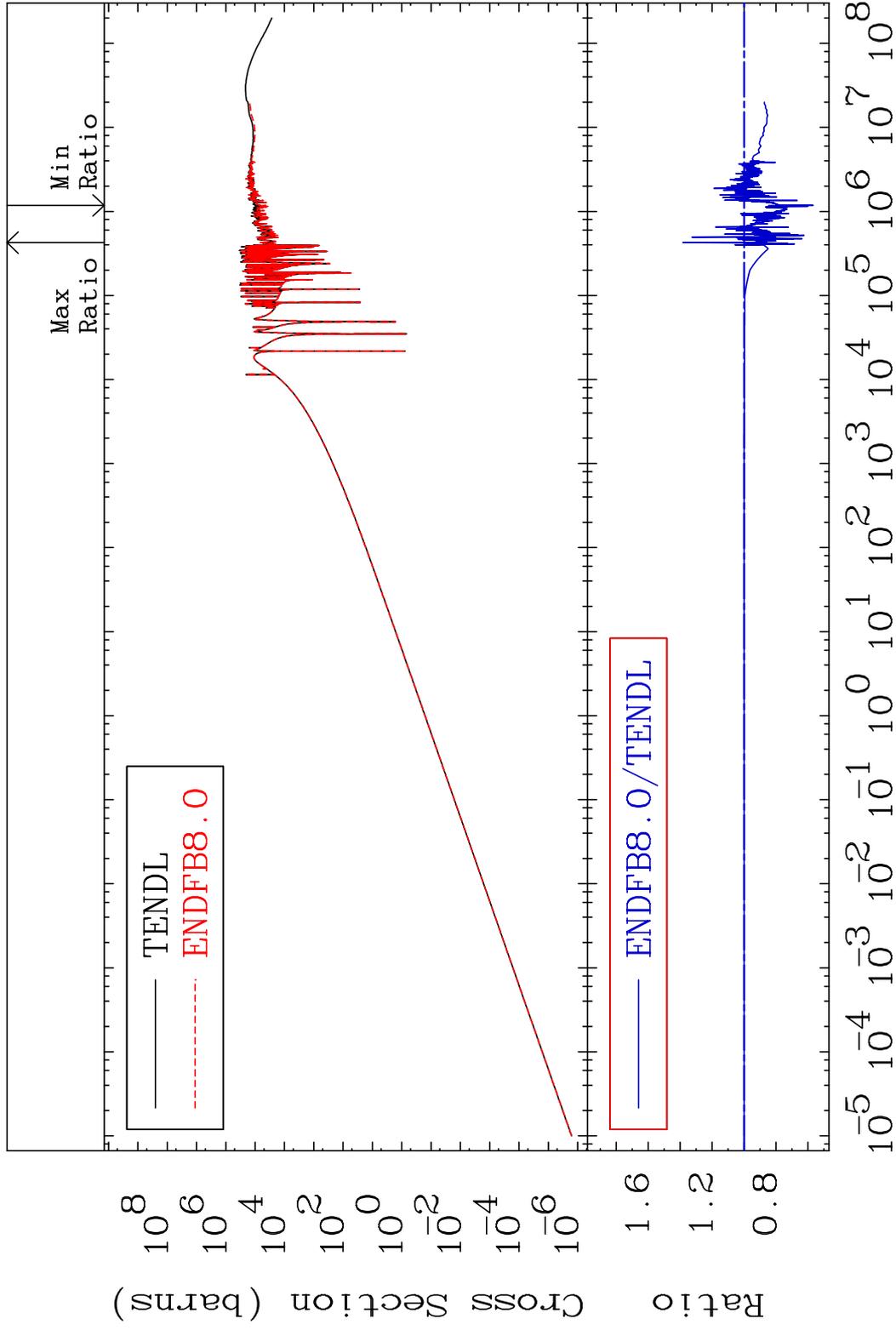


34 Incident Energy (eV) 22-Ti-48

MAT 2231

Kerma elastic
Cross Section

22-Ti-48
-43.23 To 38.34 %

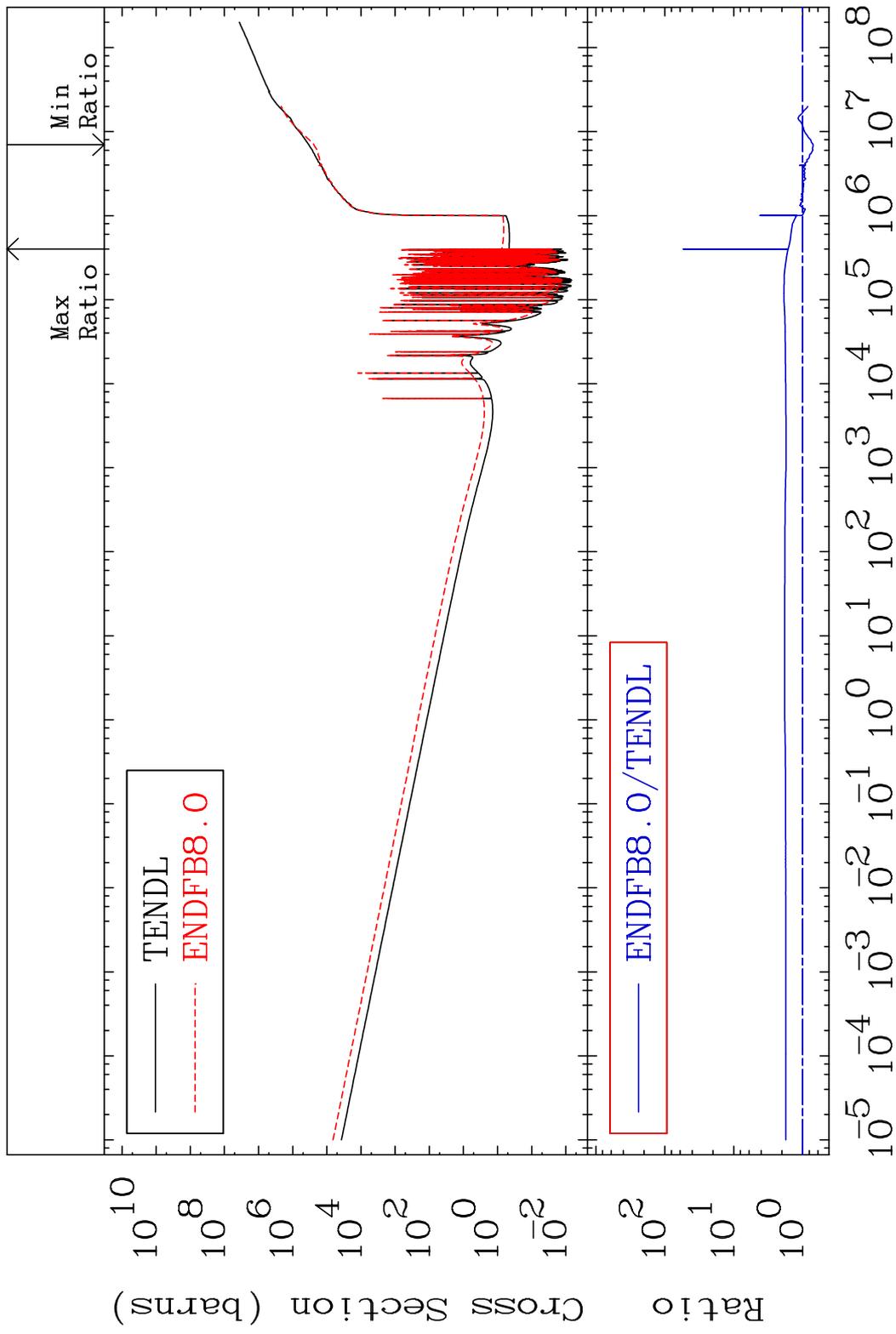


35

Incident Energy (eV)

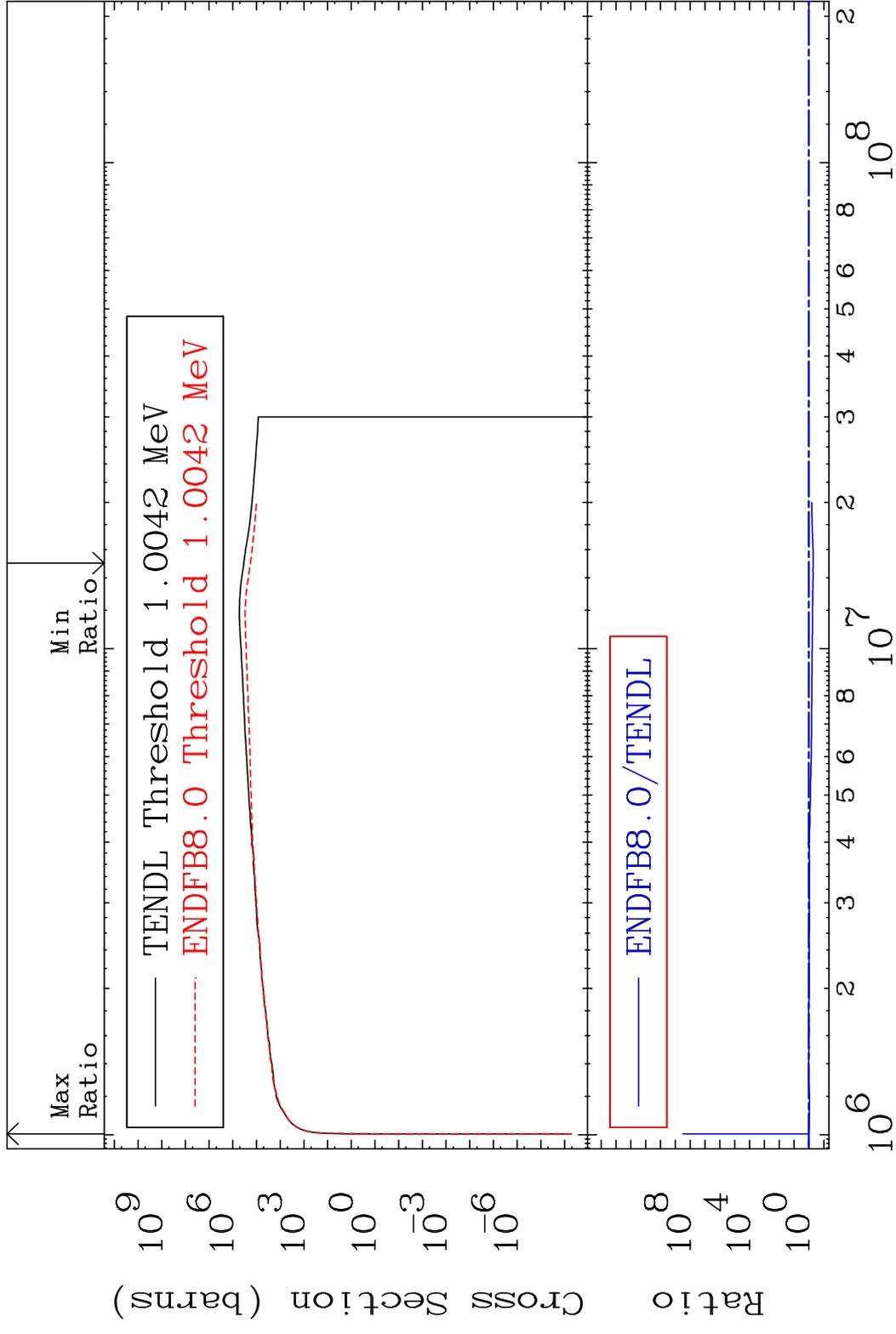
22-Ti-48

MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48
 Cross Section -29.47 To 5385. %



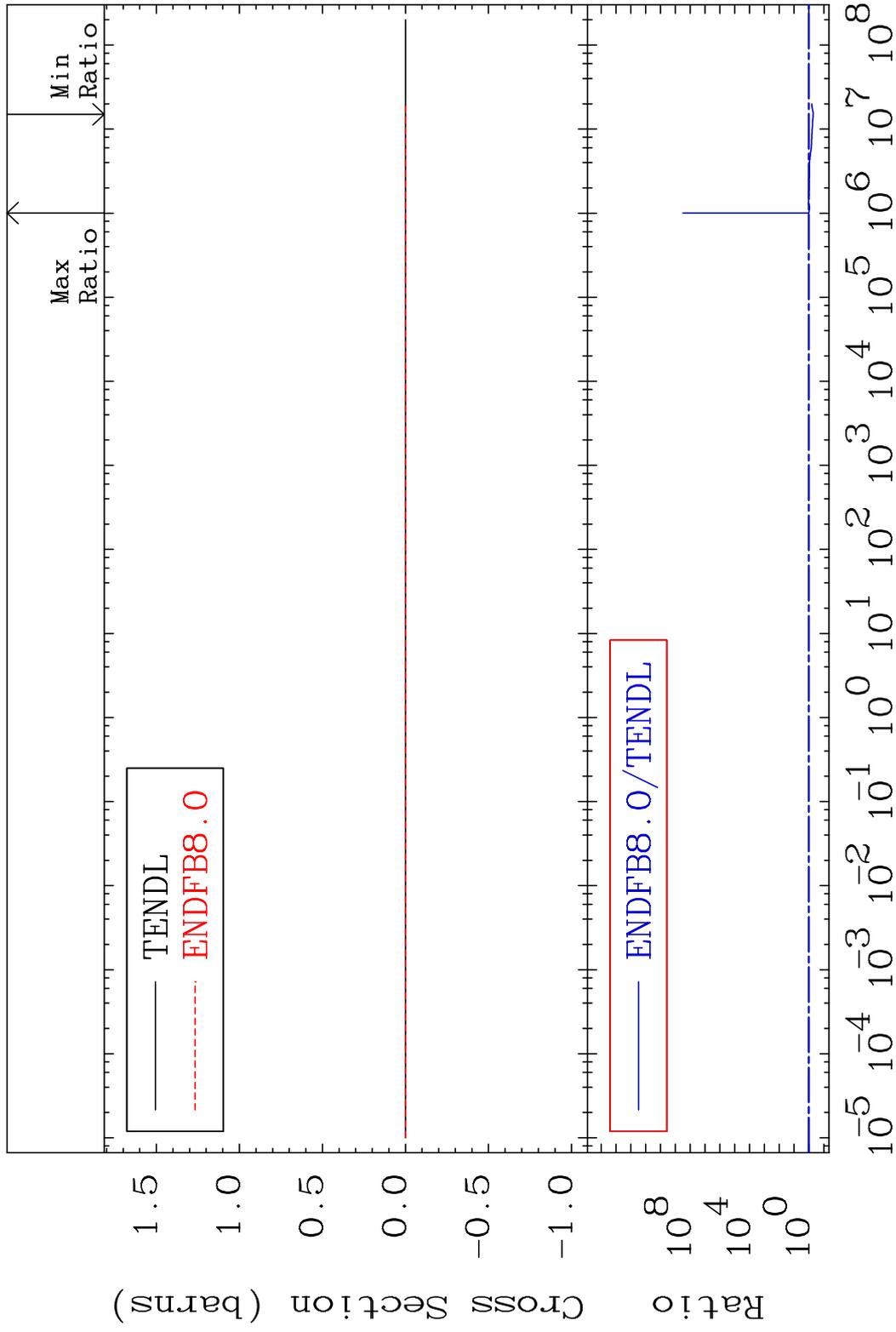
36 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48
 Cross Section -47.67 To 9999. %



37 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-48
 Cross Section -47.67 To 9999. %

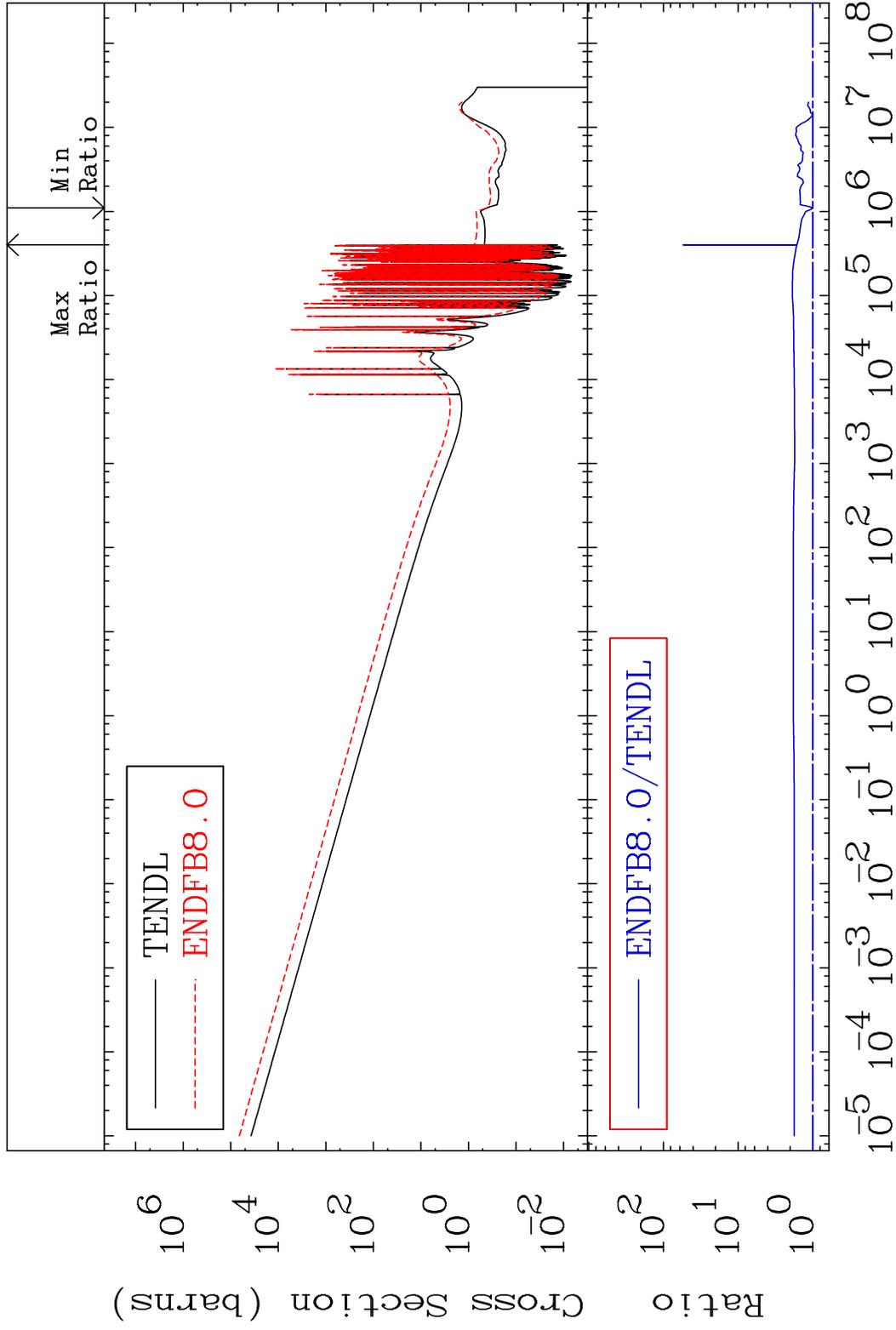


MAT 2231

Kerma capture (mt102)

22-Ti-48

Cross Section -1.365 To 5385. %

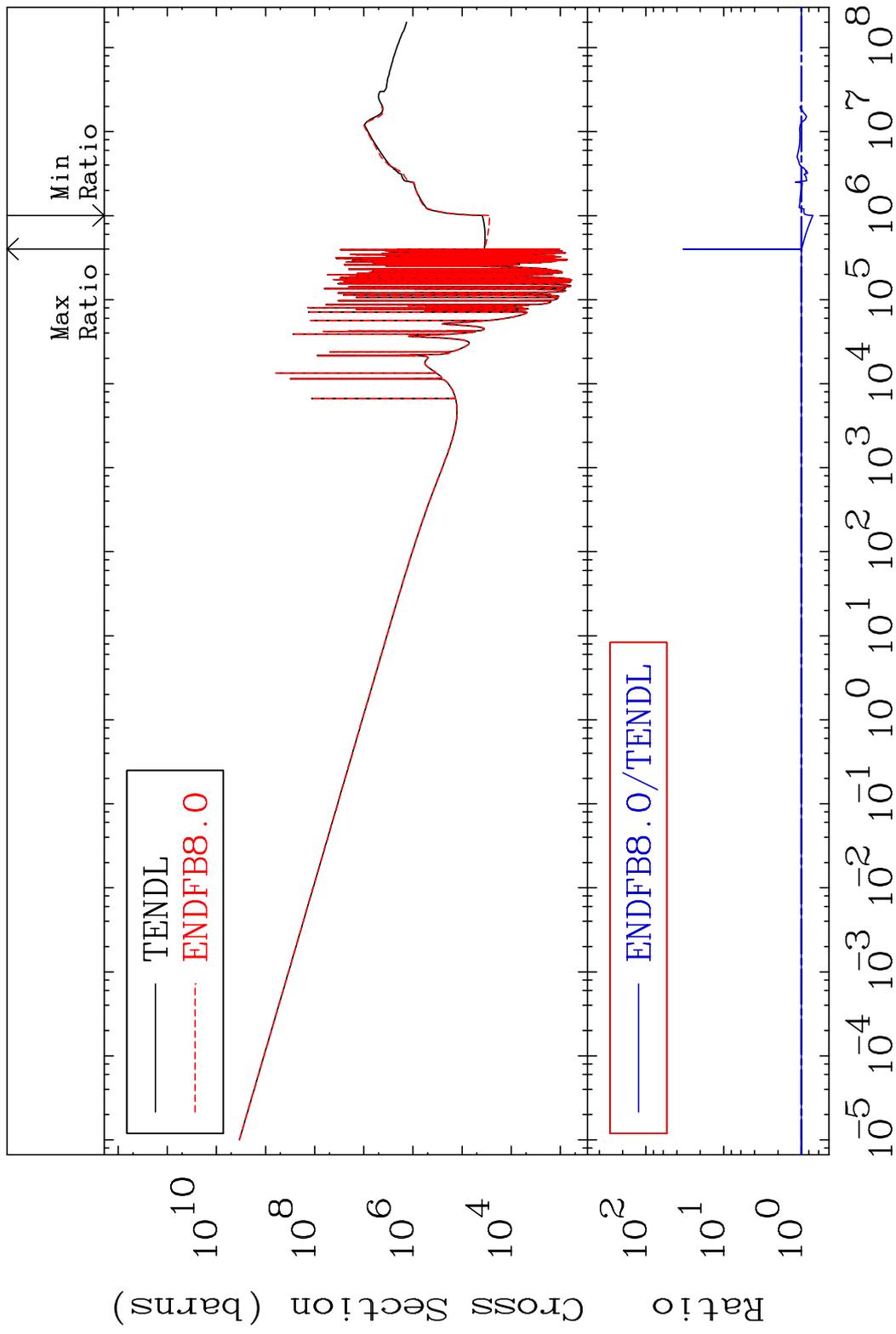


39

Incident Energy (eV)

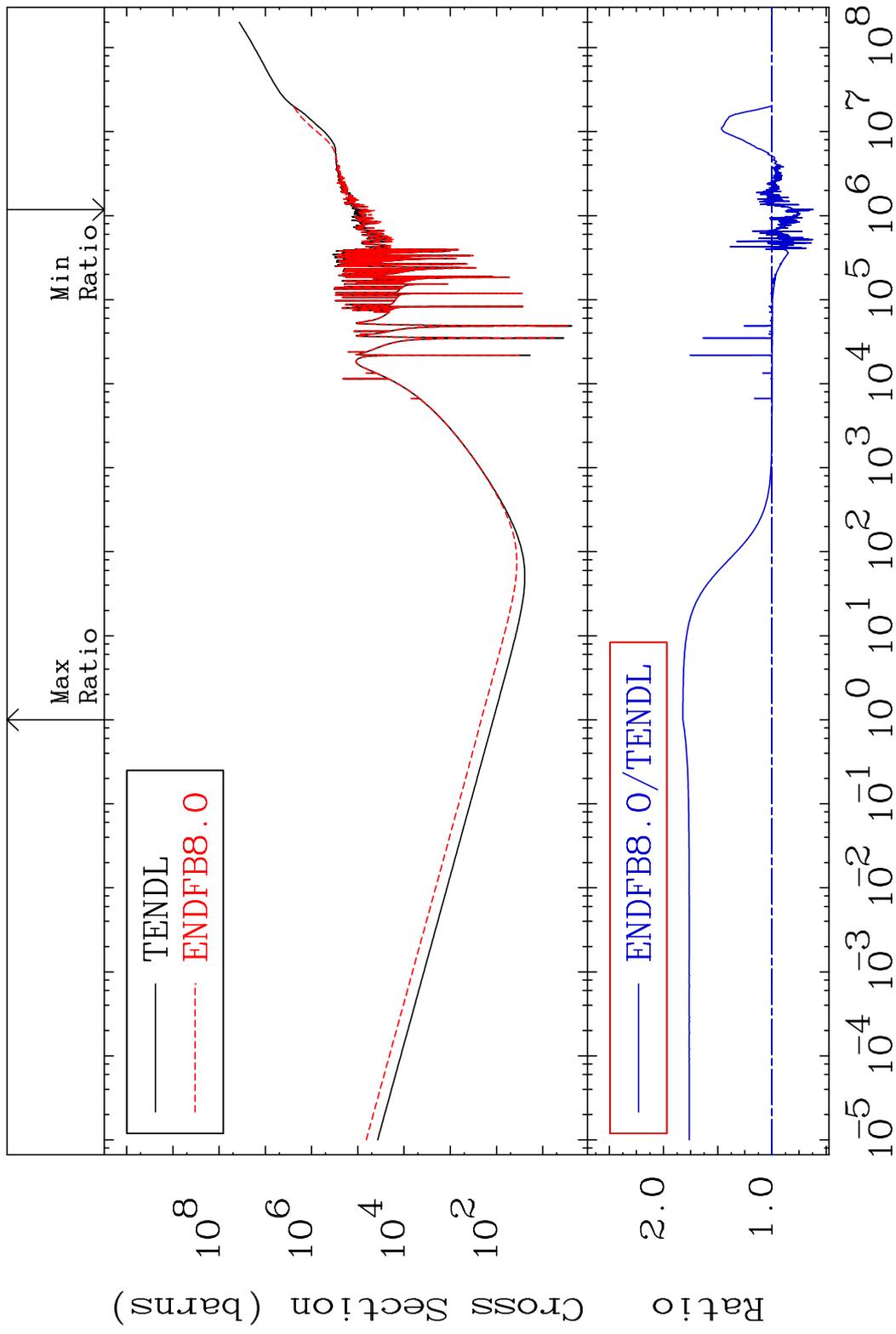
22-Ti-48

MAT 2231 Total photon (eV-barns) 22-Ti-48
Cross Section -29.53 To 3255. %

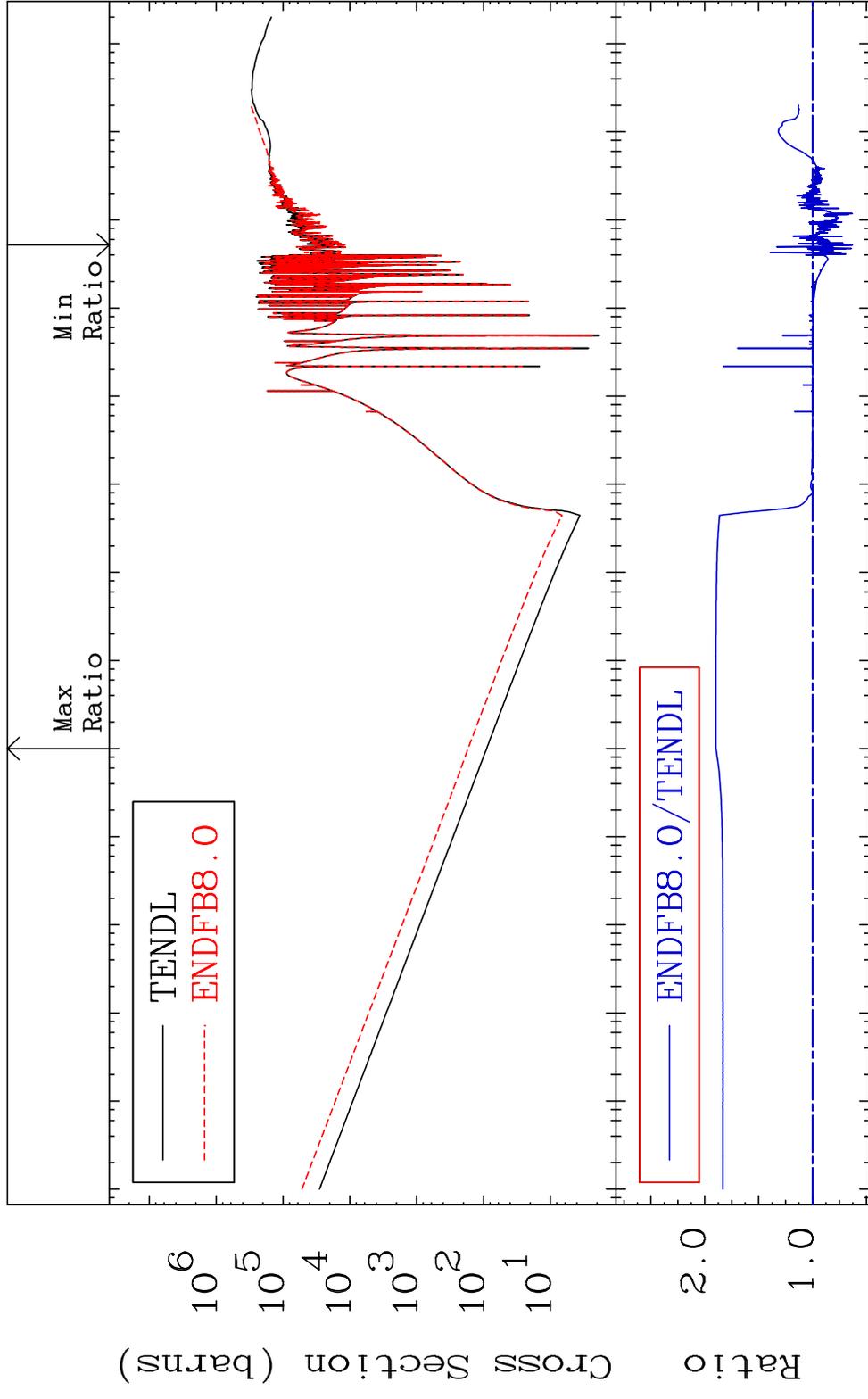


40 Incident Energy (eV) 22-Ti-48

MAT 2231 Total kinematic kerma (high limit) 22-Ti-48
Cross Section -37.99 To 82.17 %



MAT 2231 Dpa total (eV-barns) 22-Ti-48
 Cross Section -37.14 To 89.66 %



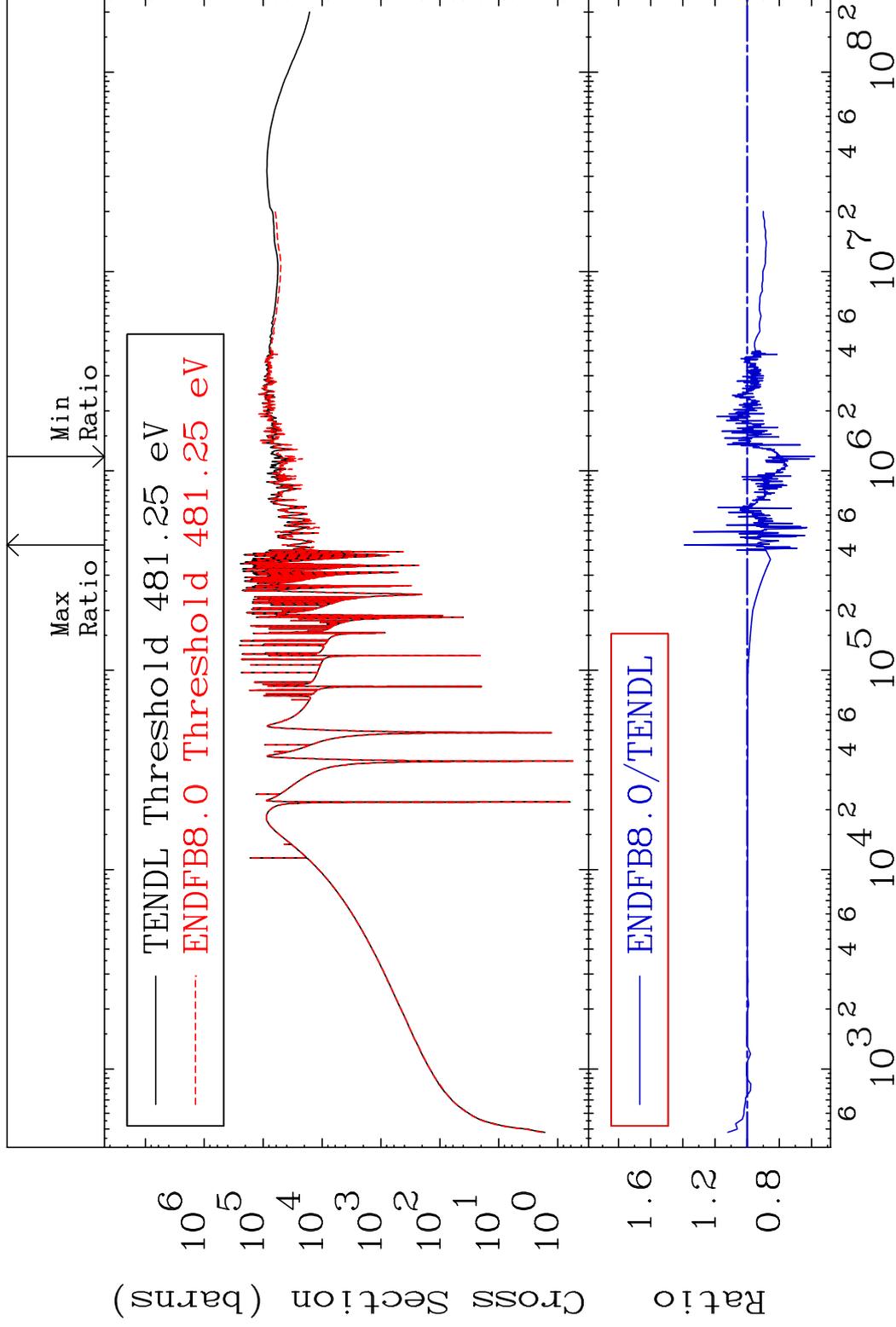
42 Incident Energy (eV) 22-Ti-48

MAT 2231

Dpa elastic (mt2)

22-Ti-48

Cross Section -42.00 To 39.19 %

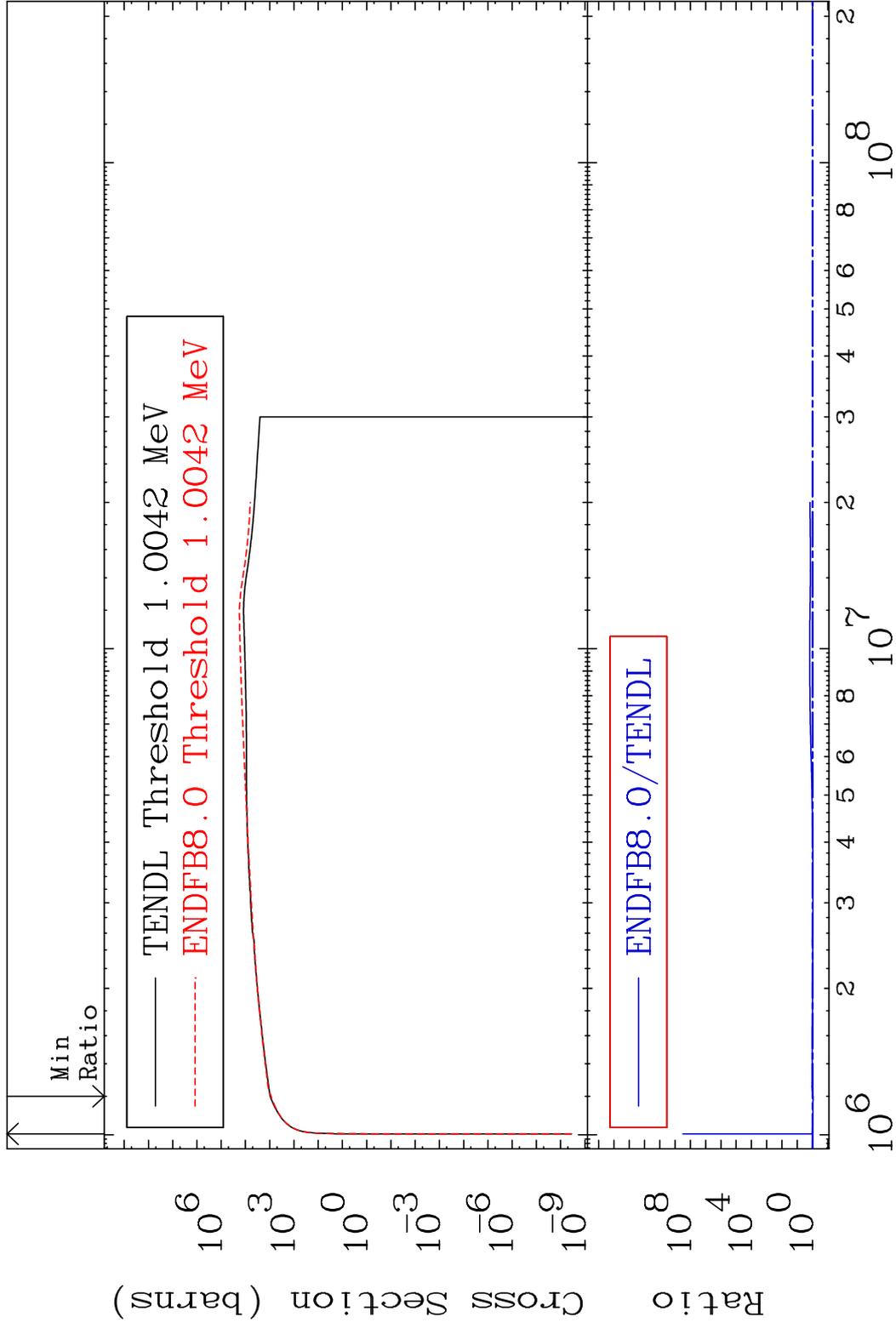


43

Incident Energy (eV)

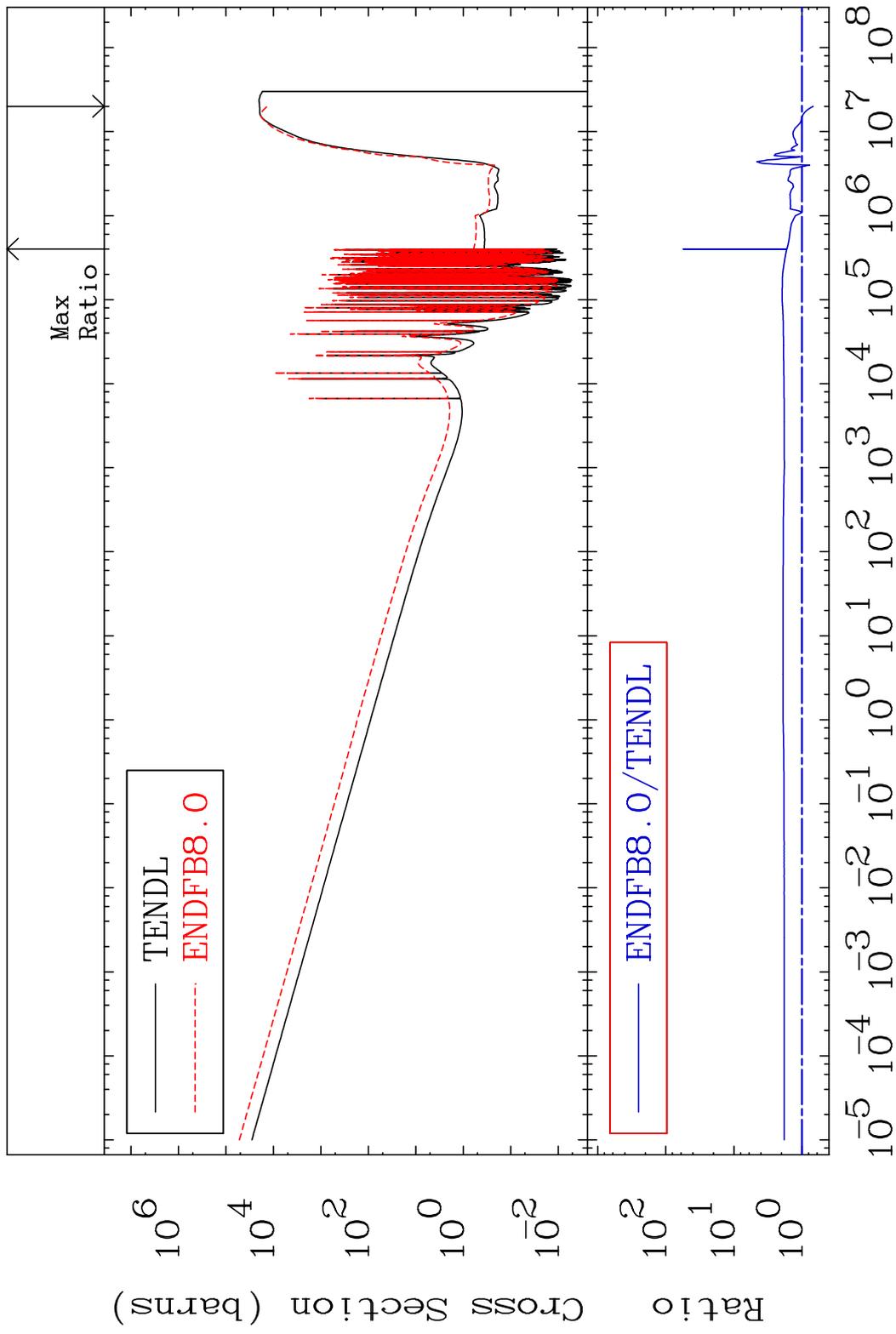
22-Ti-48

MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48
 Cross Section -8.344 To 9999. %



44 Incident Energy (eV) 22-Ti-48

MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48
Cross Section -31.33 To 5527. %



45 Incident Energy (eV) 22-Ti-48