

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

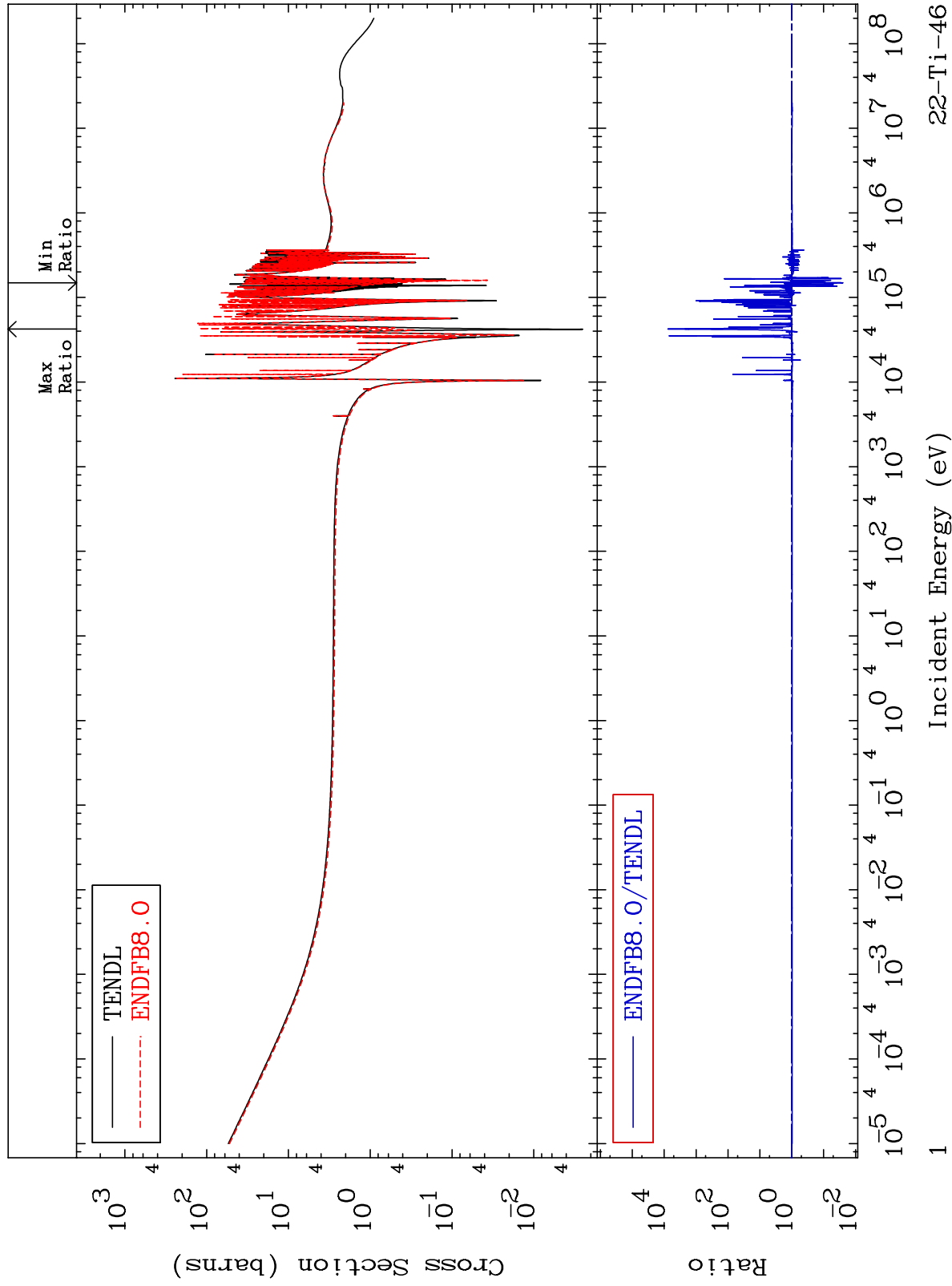
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2225

Total
Cross Section

22-Ti-46
-97.50 To 9999. %



22-Ti-46

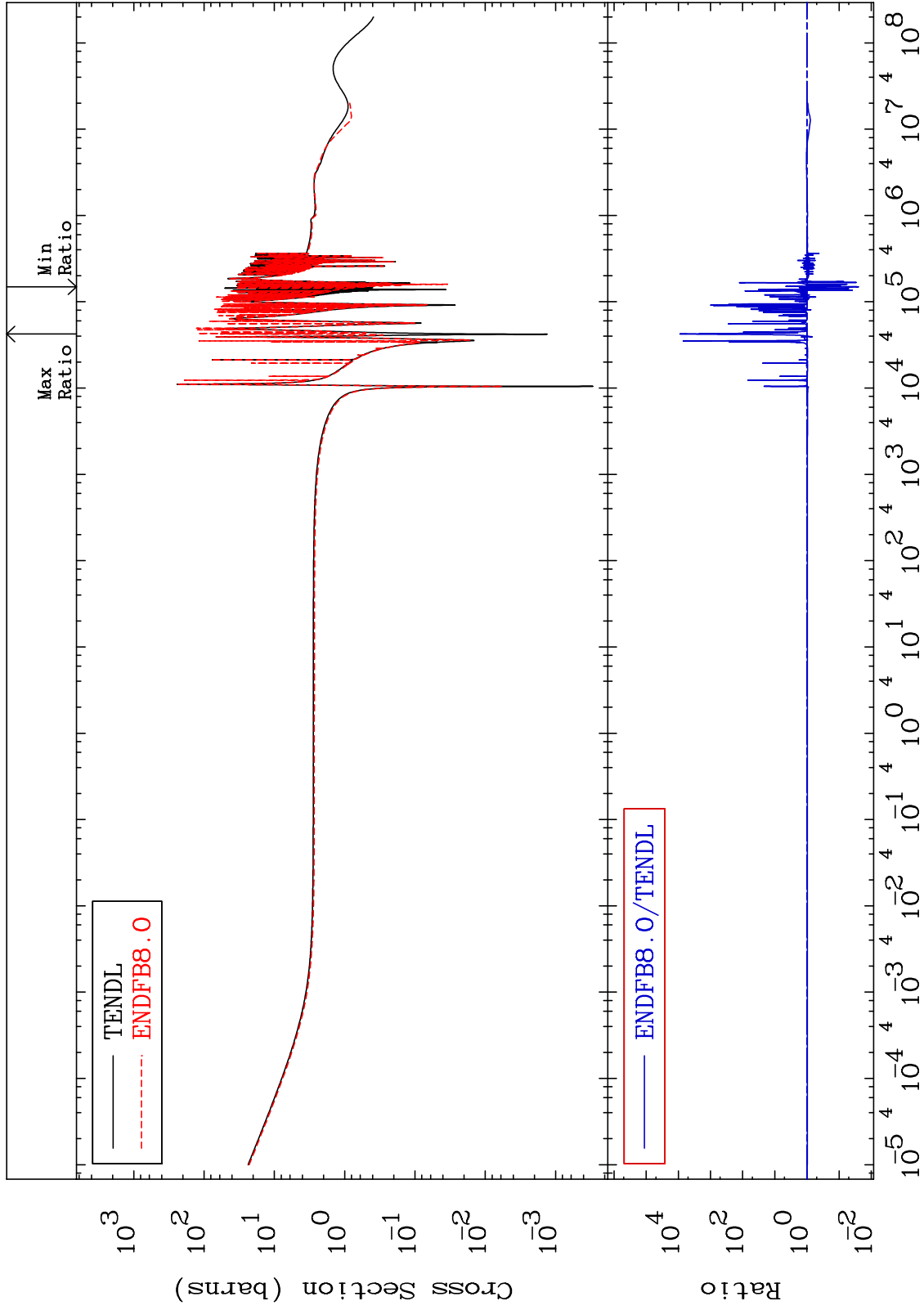
Incident Energy (eV)

1

MAT 2225

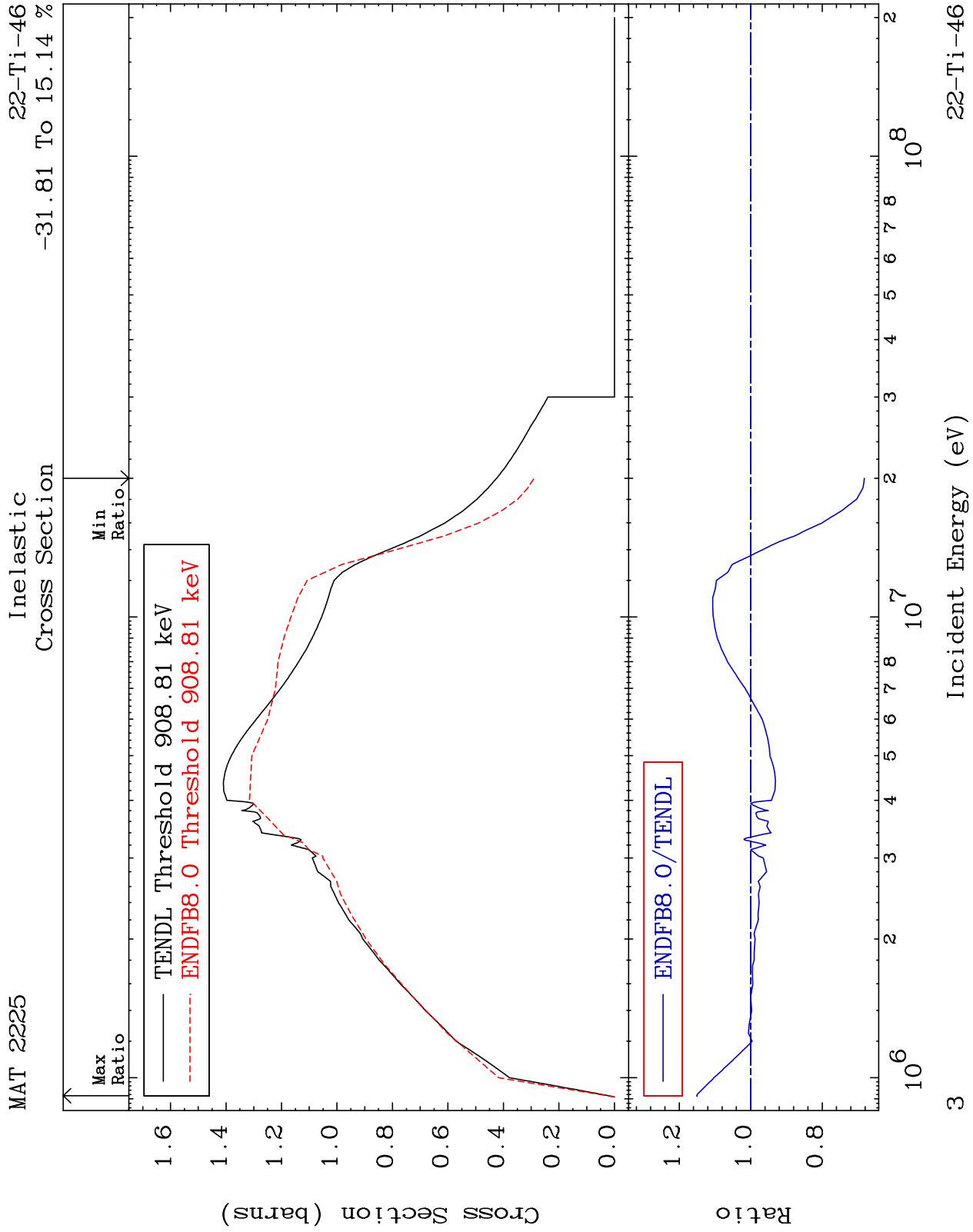
Elastic
Cross Section

22-Ti-46
-97.50 To 9999. %



Incident Energy (eV)

22-Ti-46



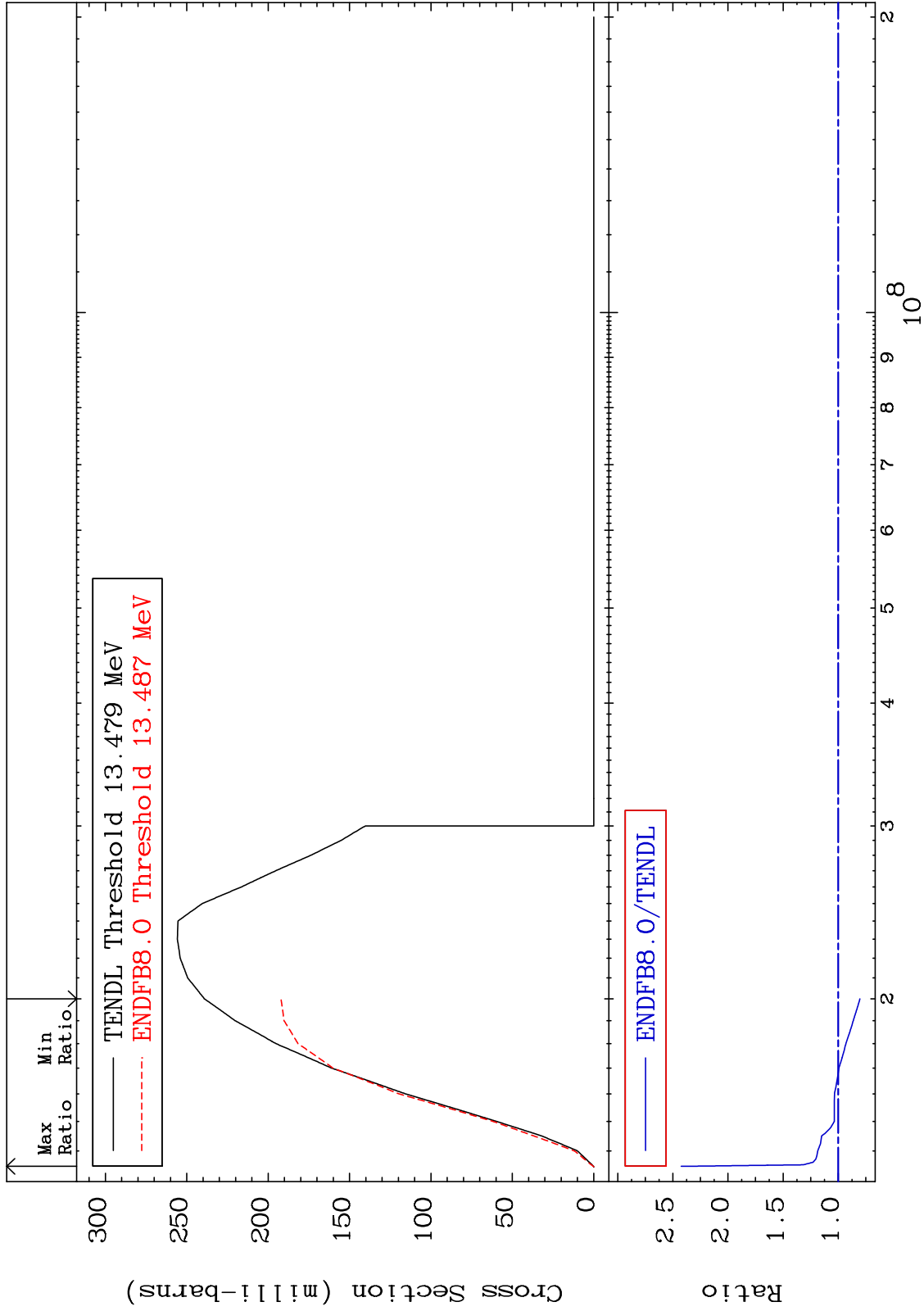
MAT 2225

(n,2n)

22-Ti-46

Cross Section

-19.71 To 142.4 %



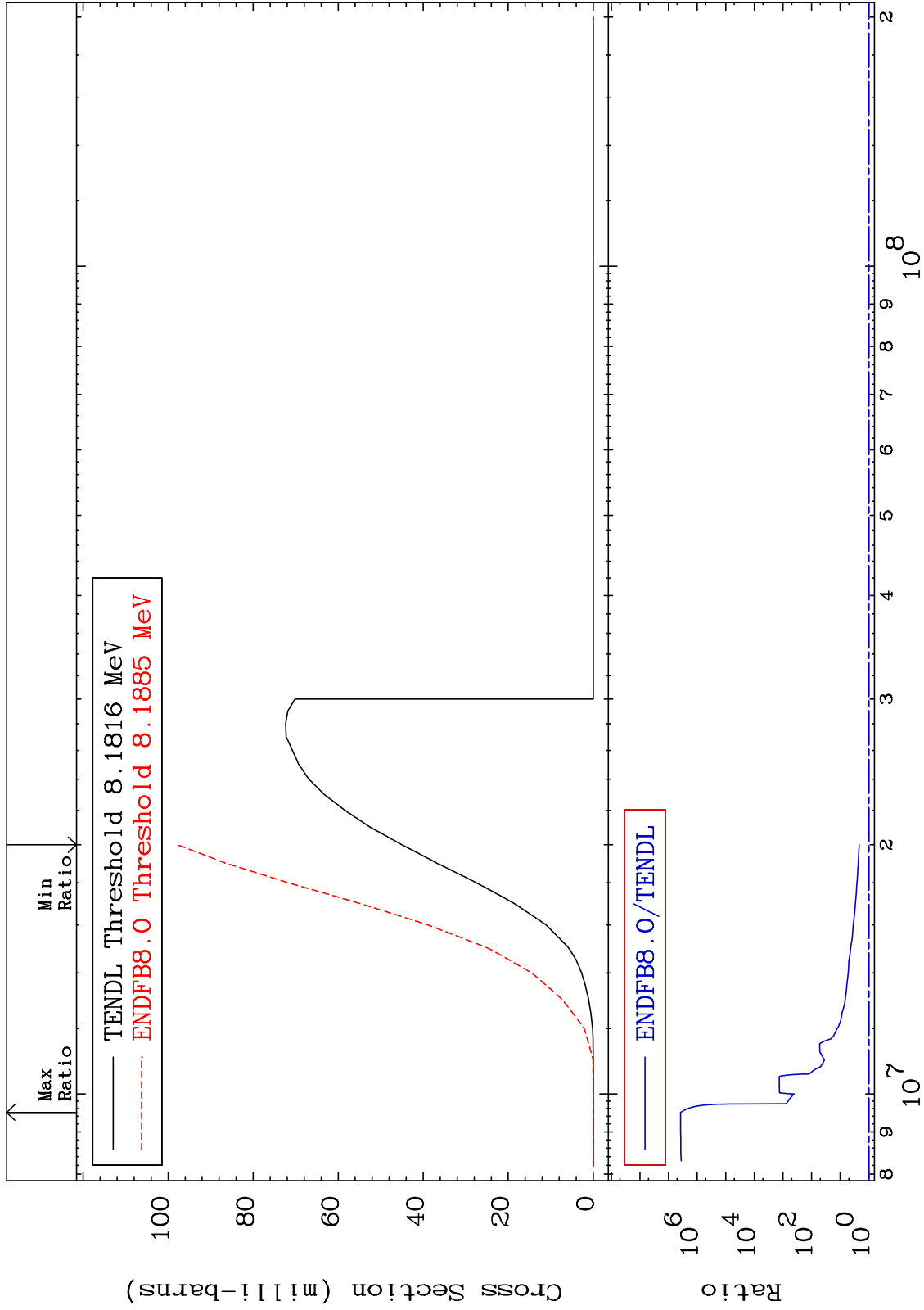
MAT 2225

(n,n') α

22-Ti-46

Cross Section

117.4 To 9999. %



22-Ti-46

Incident Energy (eV)

5

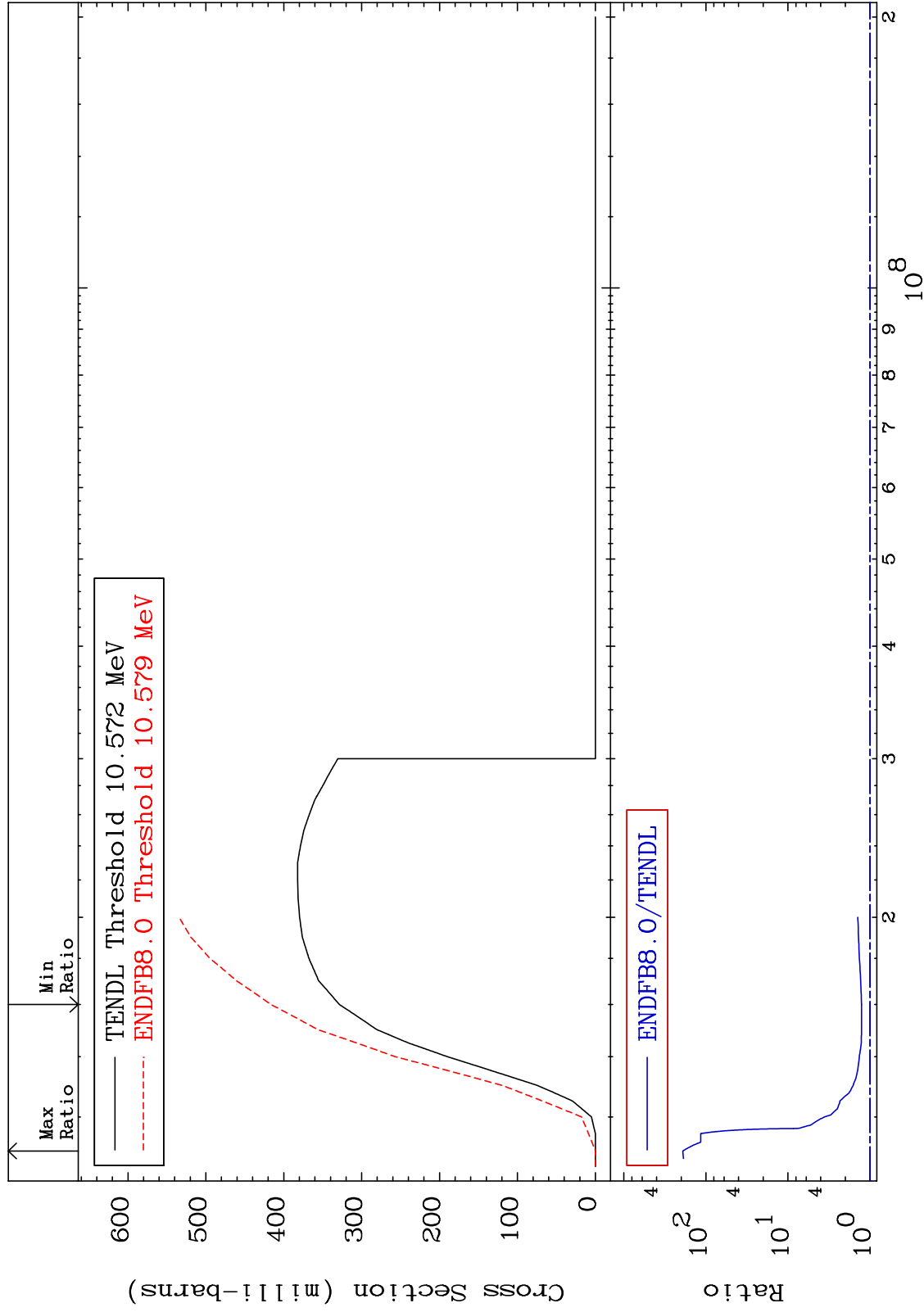
MAT 2225

(n,n') p

22-Ti-46

Cross Section

26.70 To 9999. %



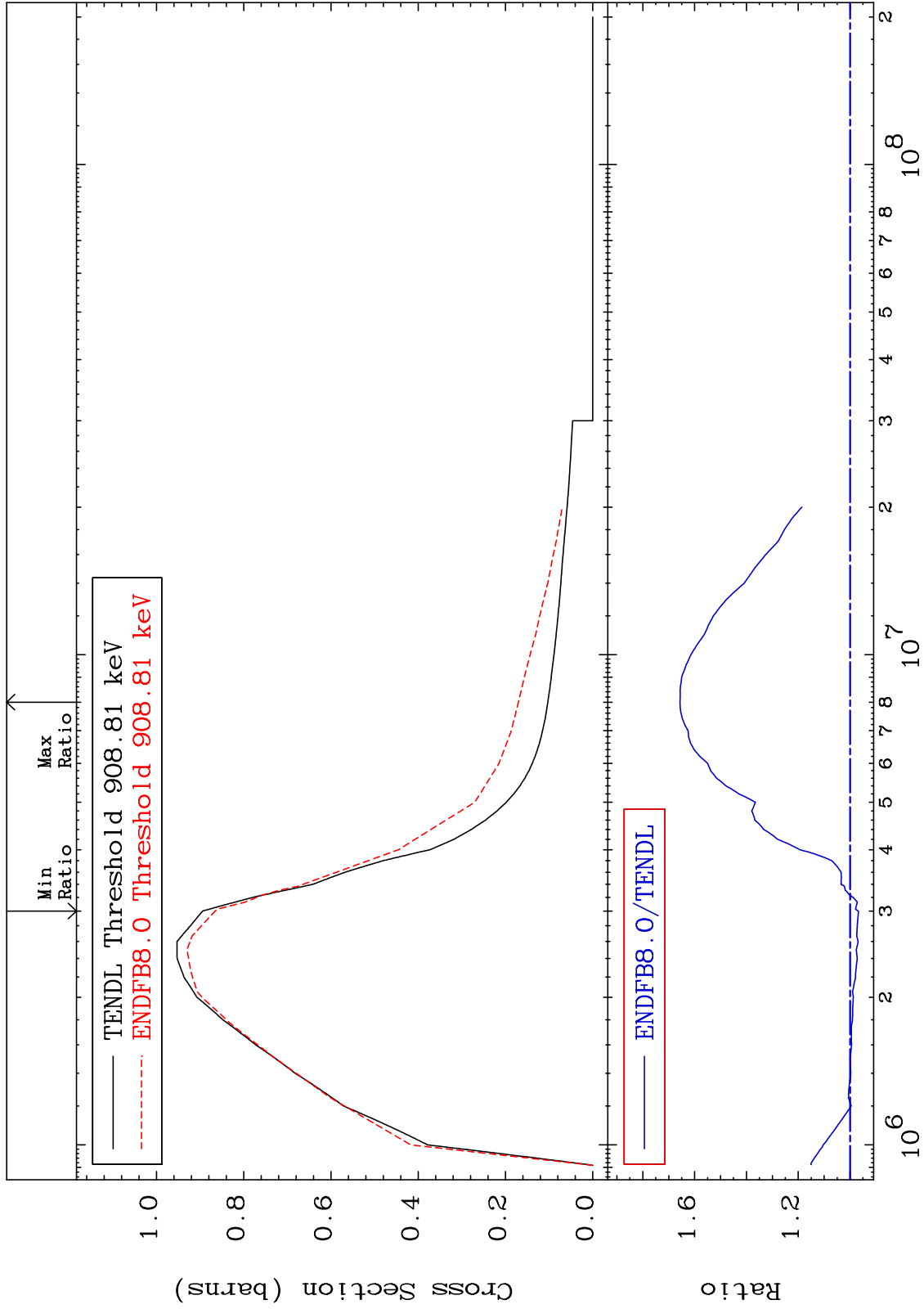
Incident Energy (eV)

22-Ti-46

MAT 2225

MT= 51 (n,n') Level
Cross Section

22-Ti-46
-3.220 To 65.64 %



22-Ti-46

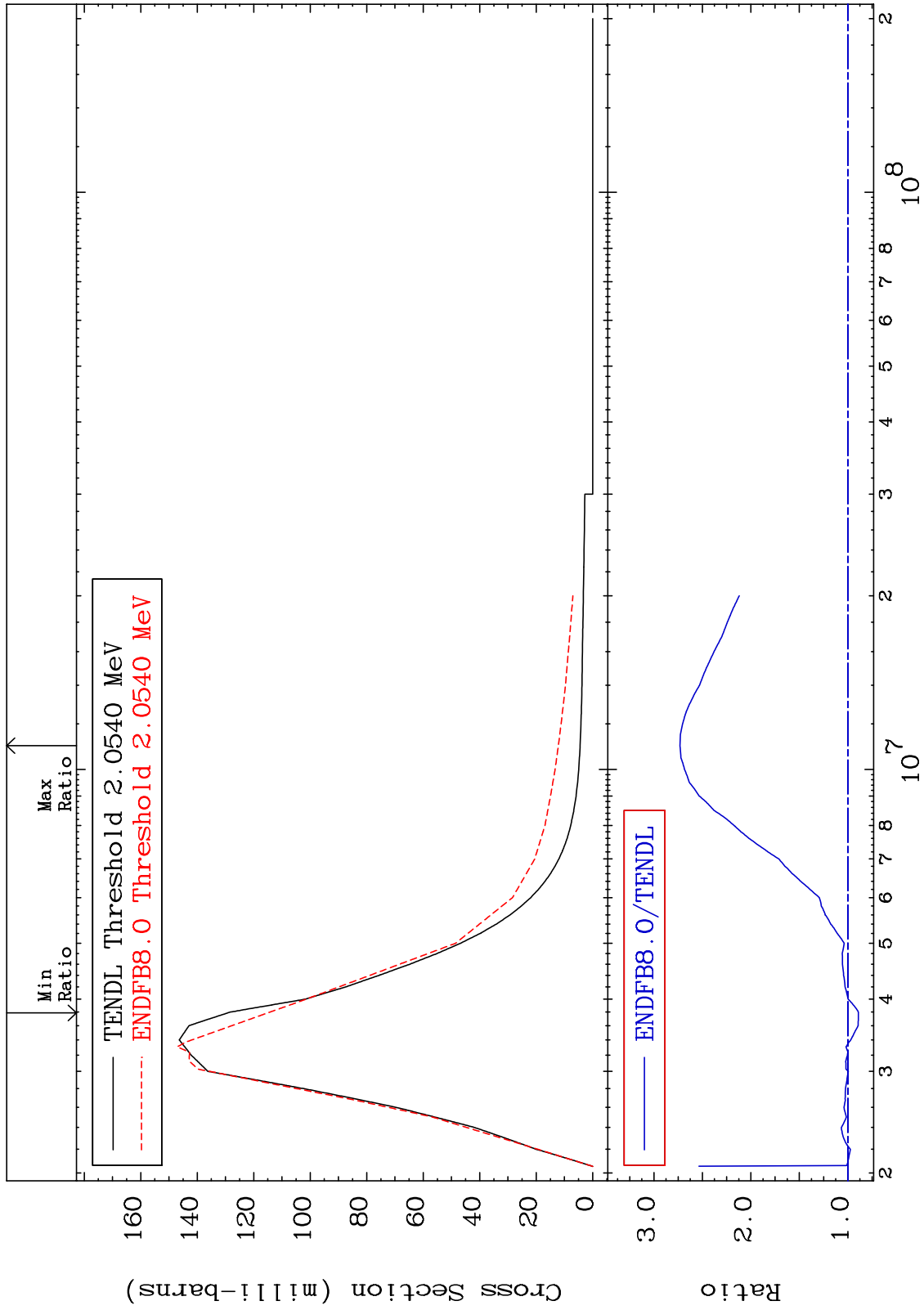
Incident Energy (eV)

7

MAT 2225

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

22-Ti-46
-10.93 To 173.1 %



8

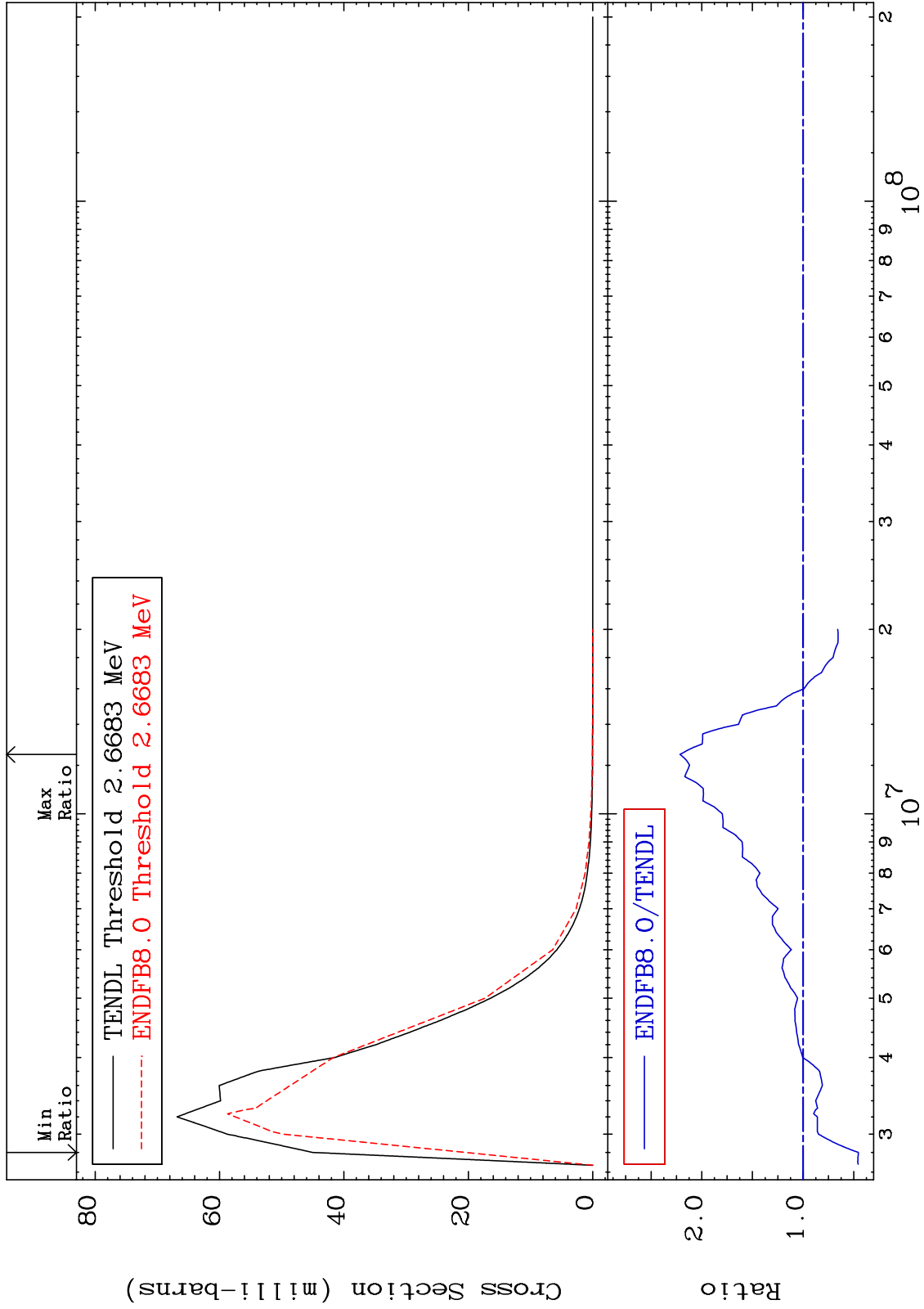
Incident Energy (eV)

22-Ti-46

MAT 2225

MT= 53 (n,n') Level
Cross Section

22-Ti-46
-54.50 To 121.5 %



9

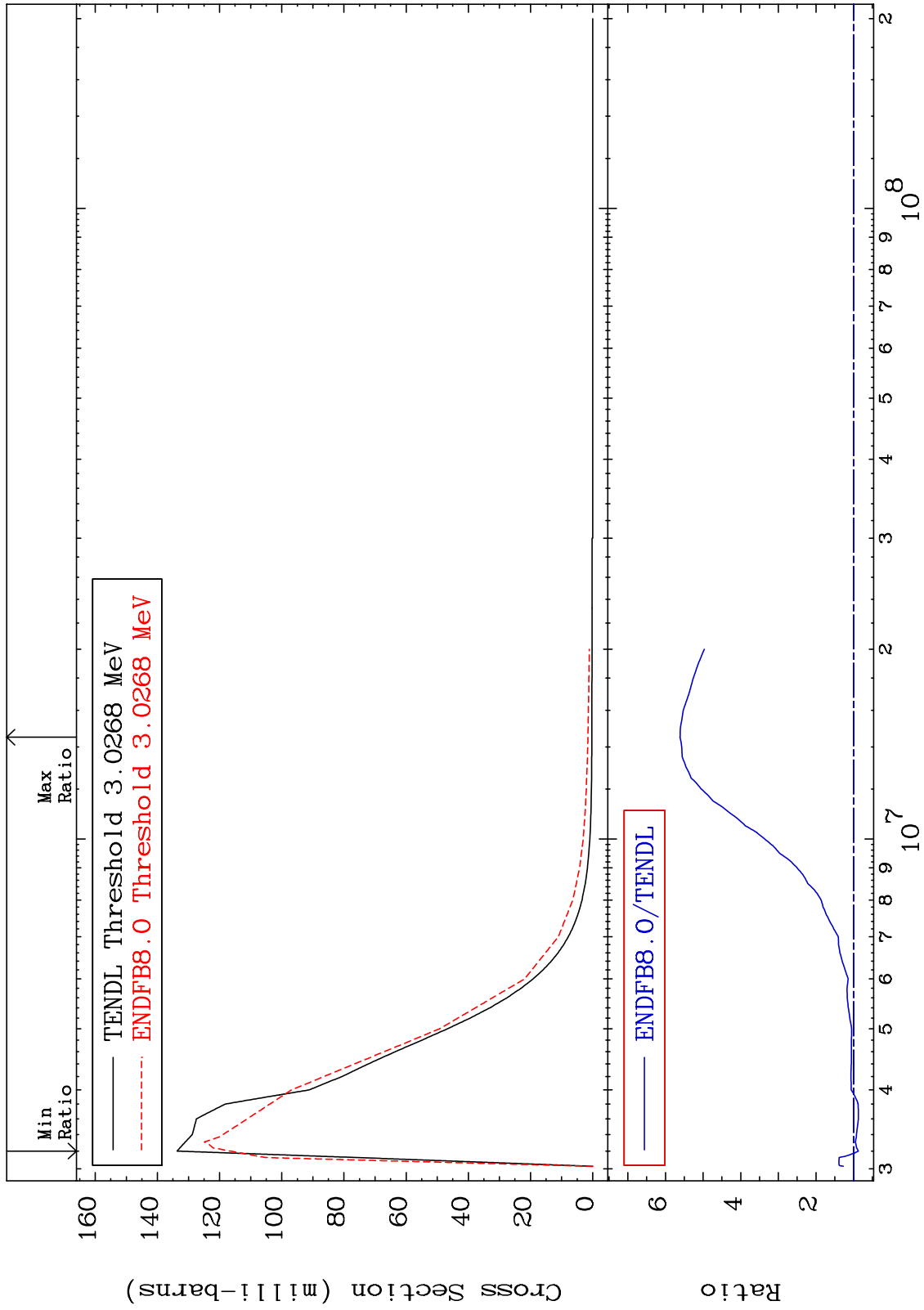
Incident Energy (eV)

22-Ti-46

MAT 2225

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

22-Ti-46
-12.83 To 461.3 %

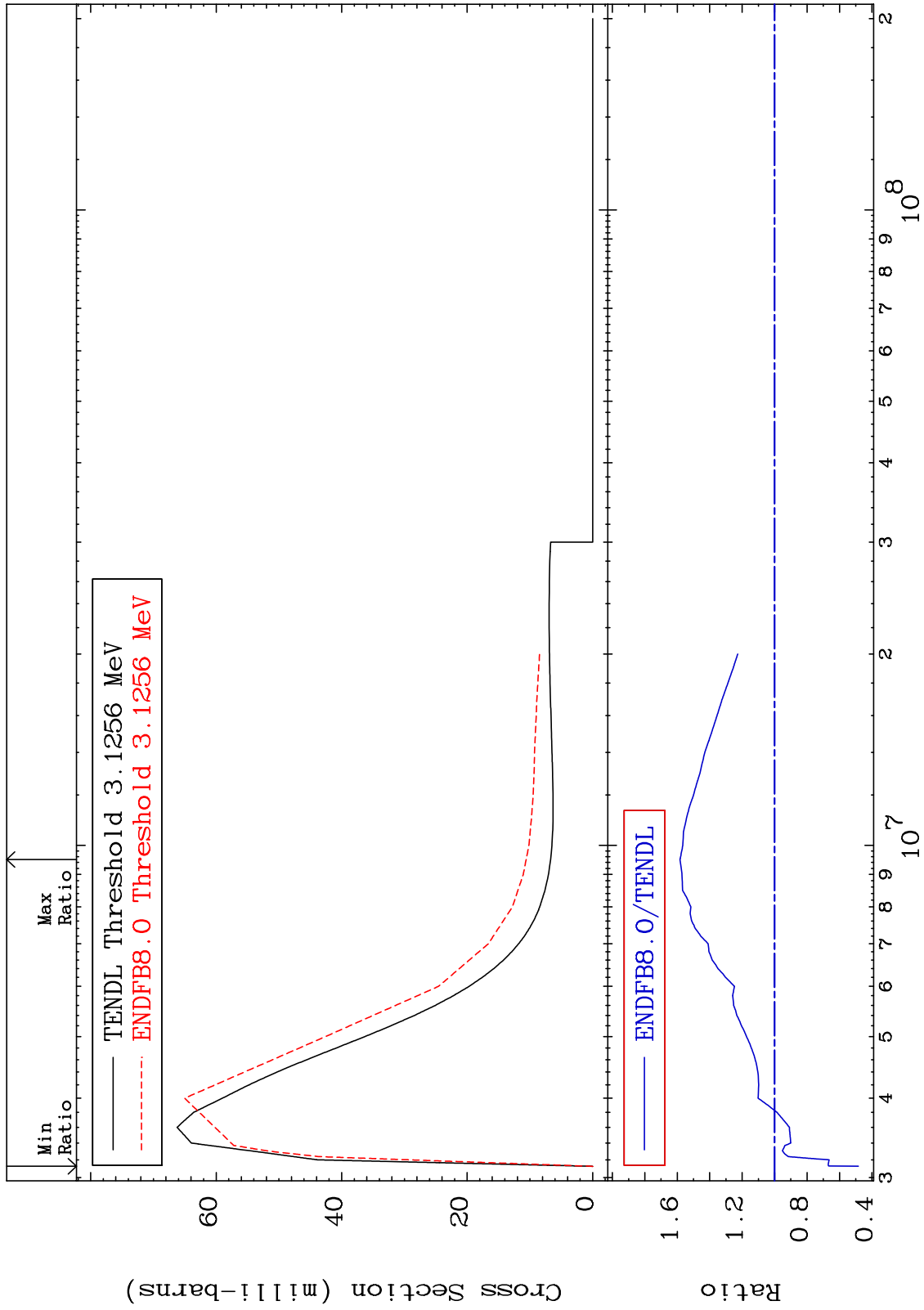


10

Incident Energy (eV)

22-Ti-46

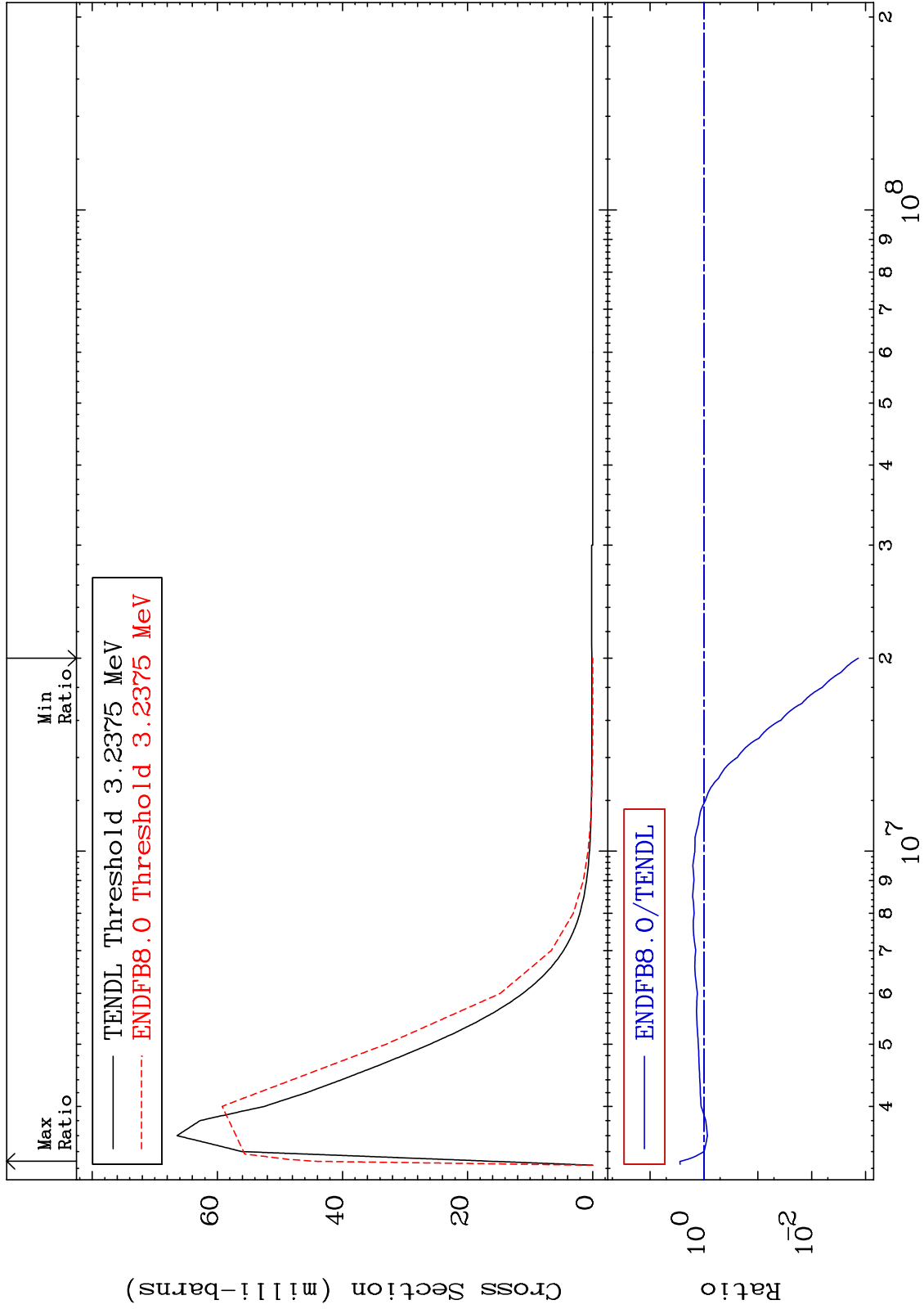
MAT 2225 MT= 55 (n,n') Level Cross Section 22-Ti-46
 -51.63 To 58.30 %



MAT 2225

MT= 56 (n,n') Level
Cross Section

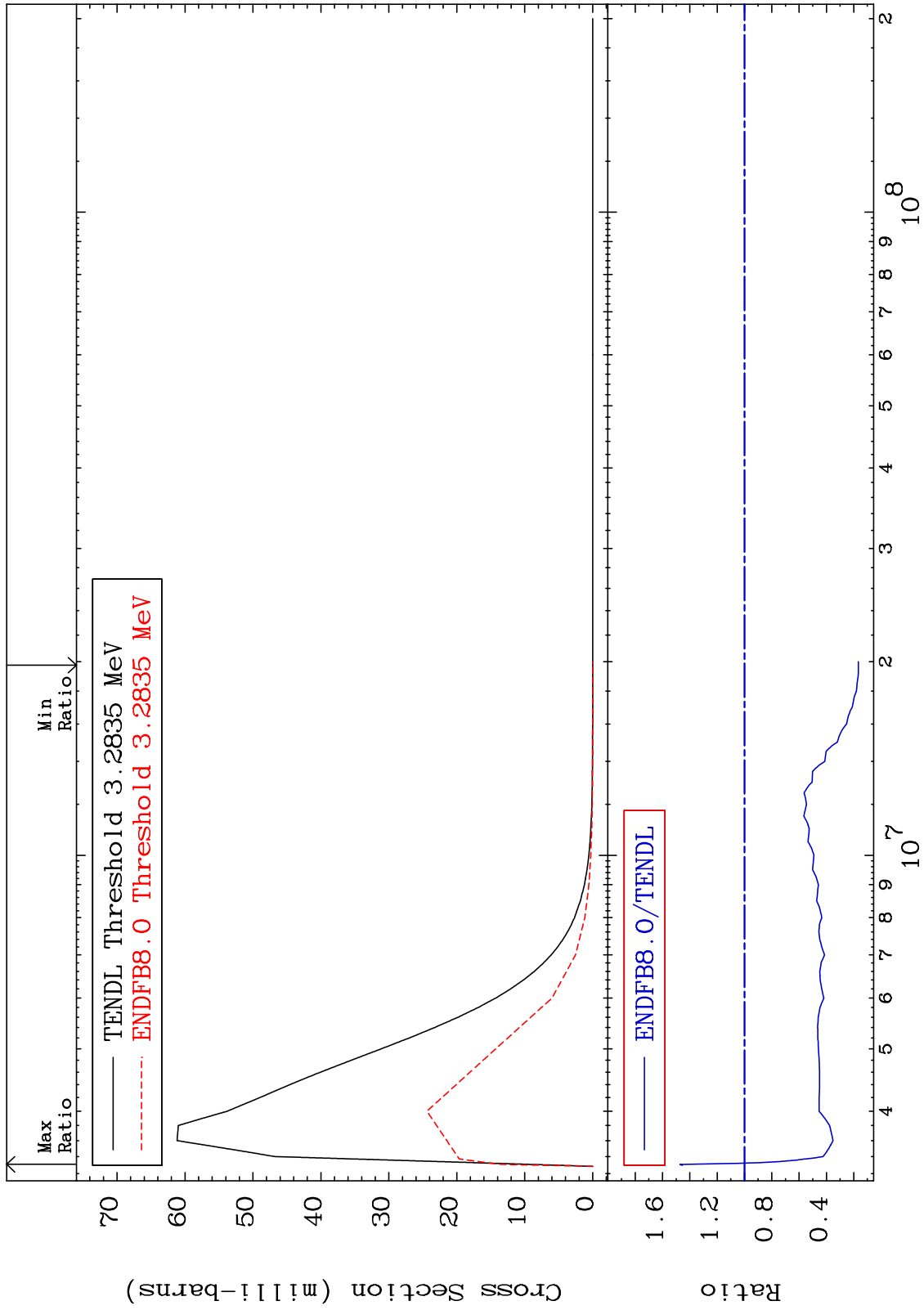
22-Ti-46
-99.86 To 178.0 %



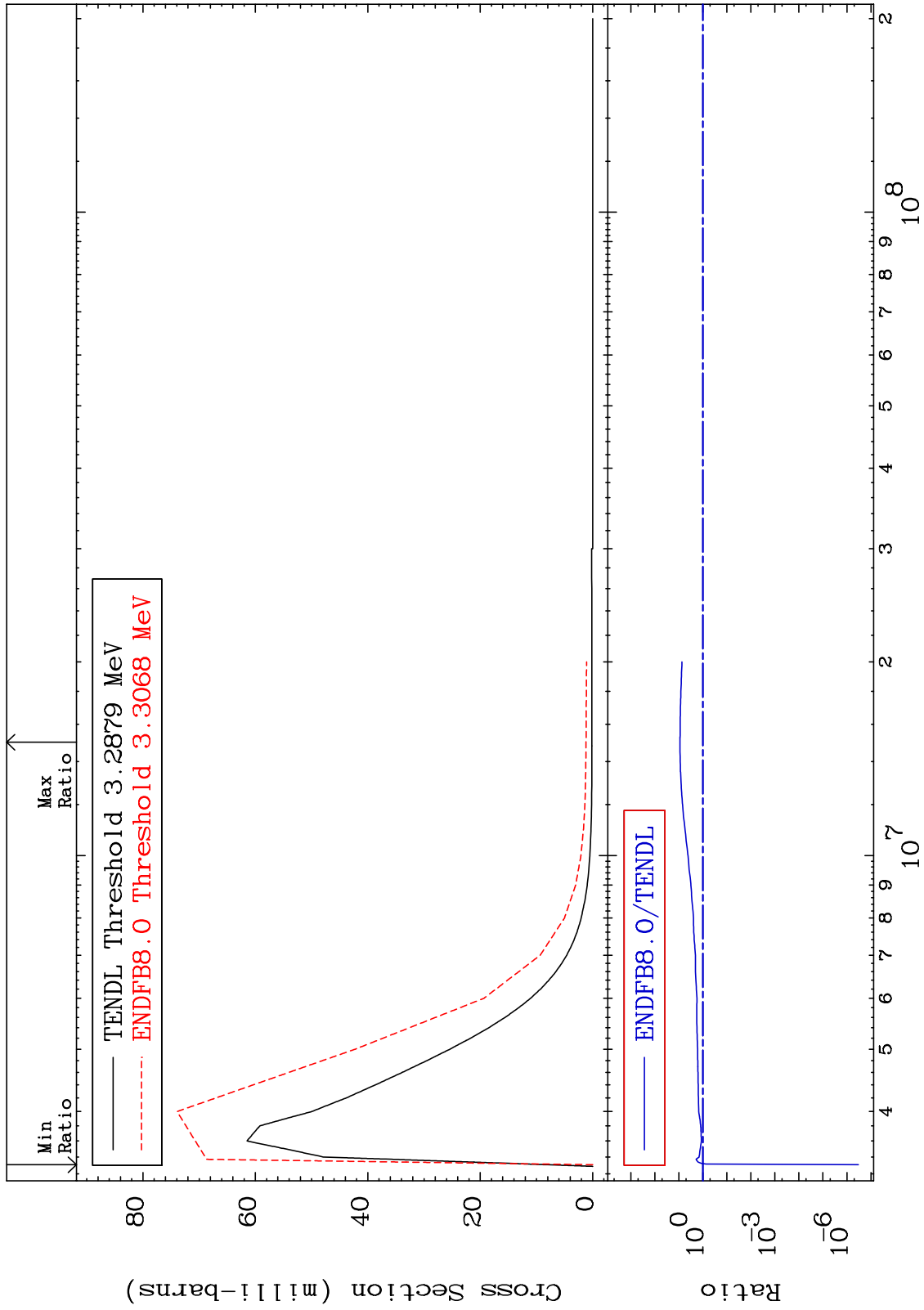
MAT 2225

MT= 57 (n,n') Level
Cross Section

22-Ti-46
-83.42 To 47.18 %



MAT 2225 MT= 58 (n,n') Level Cross Section -100.0 To 790.6 % 22-Ti-46

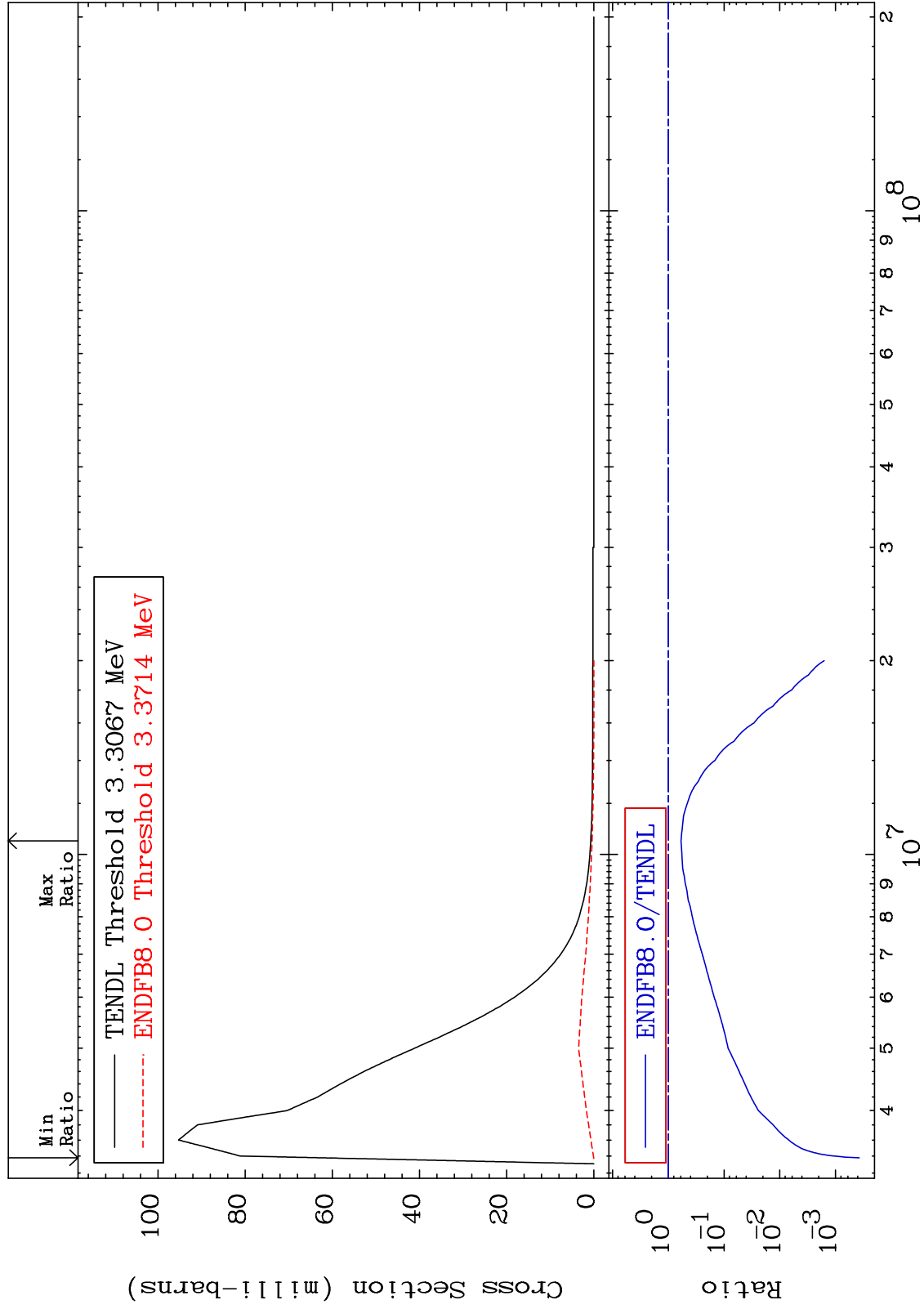


14 Incident Energy (eV) 22-Ti-46

MAT 2225

MT= 59 (n,n') Level
Cross Section

22-Ti-46
-99.96 To -40.88%



15

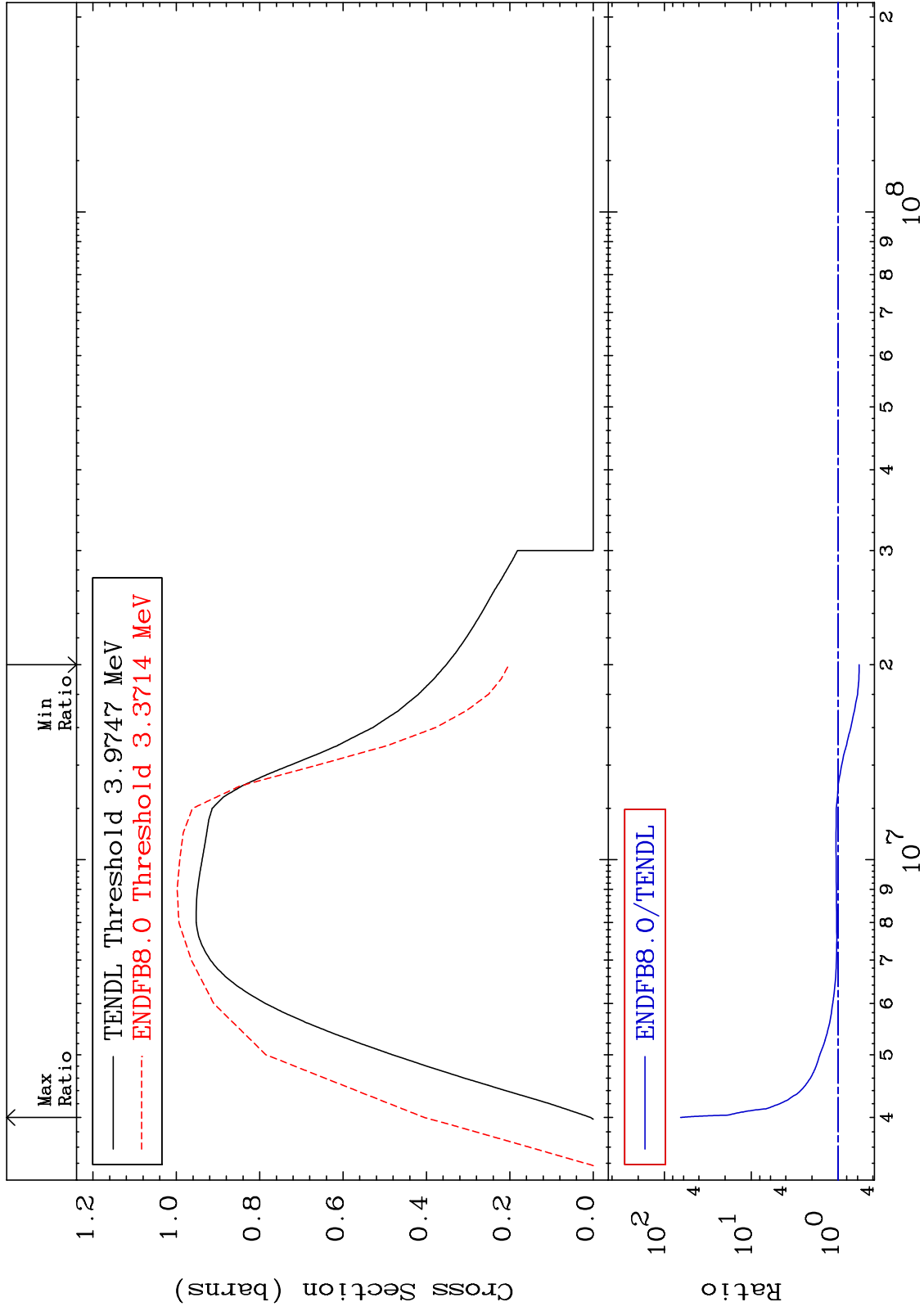
Incident Energy (eV)

22-Ti-46

MAT 2225

(n,n') Continuum
Cross Section

22-Ti-46
-42.61 To 6395. %



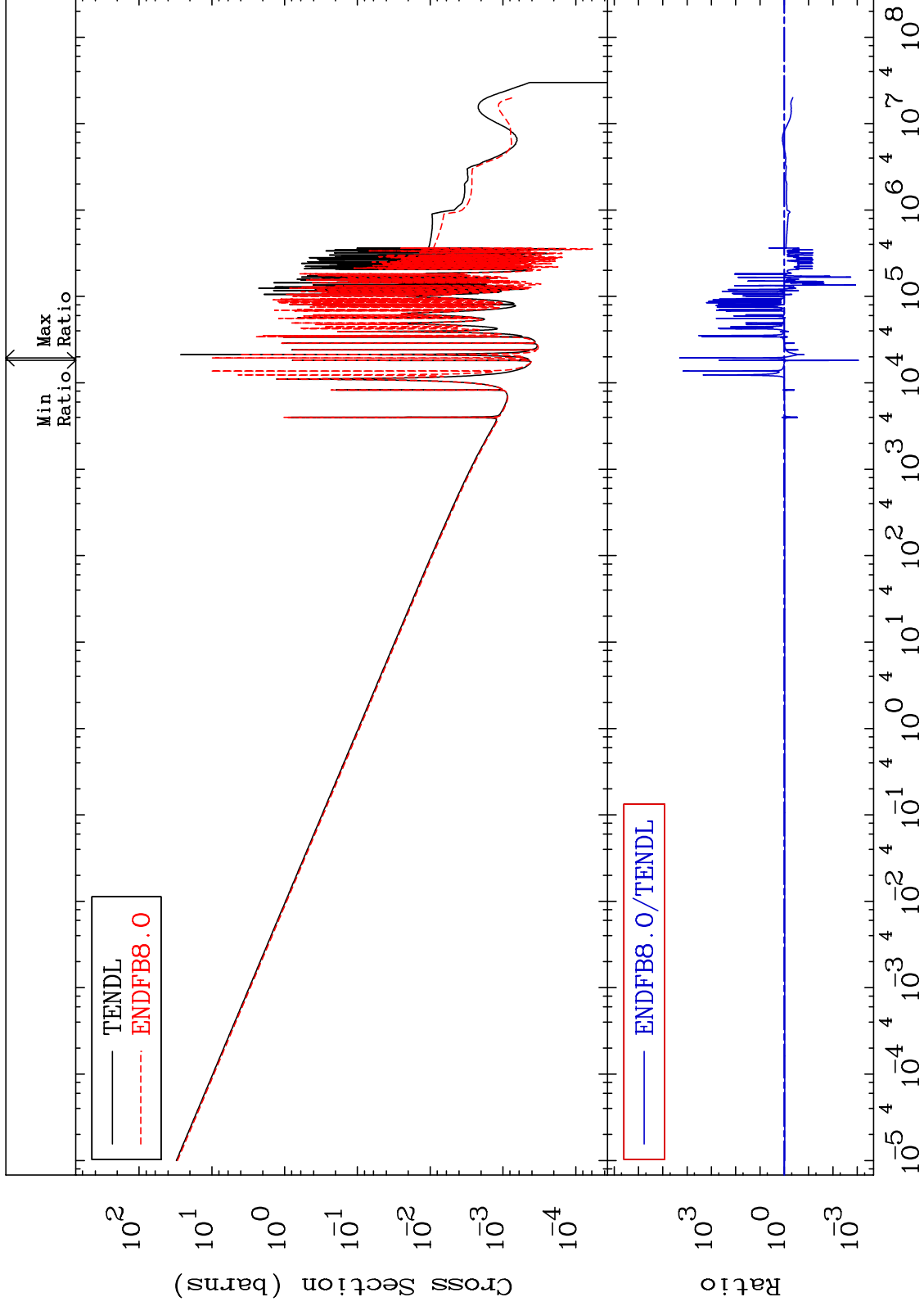
MAT 2225

(n, γ)

22-Ti-46

Cross Section

-99.91 To 9999. %



17

Incident Energy (eV)

22-Ti-46

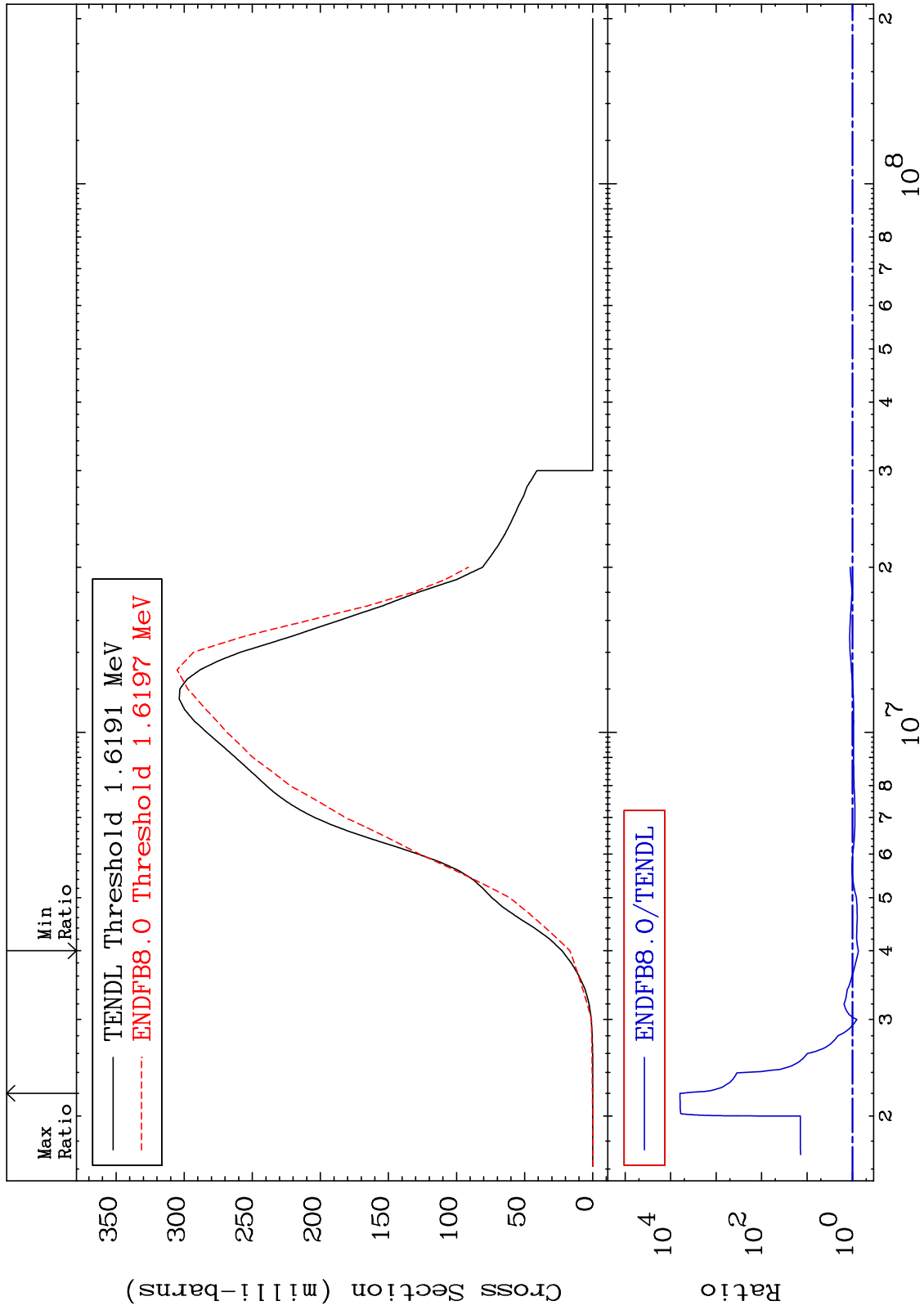
MAT 2225

(n,p)

22-Ti-46

Cross Section

-25.73 To 9999. %



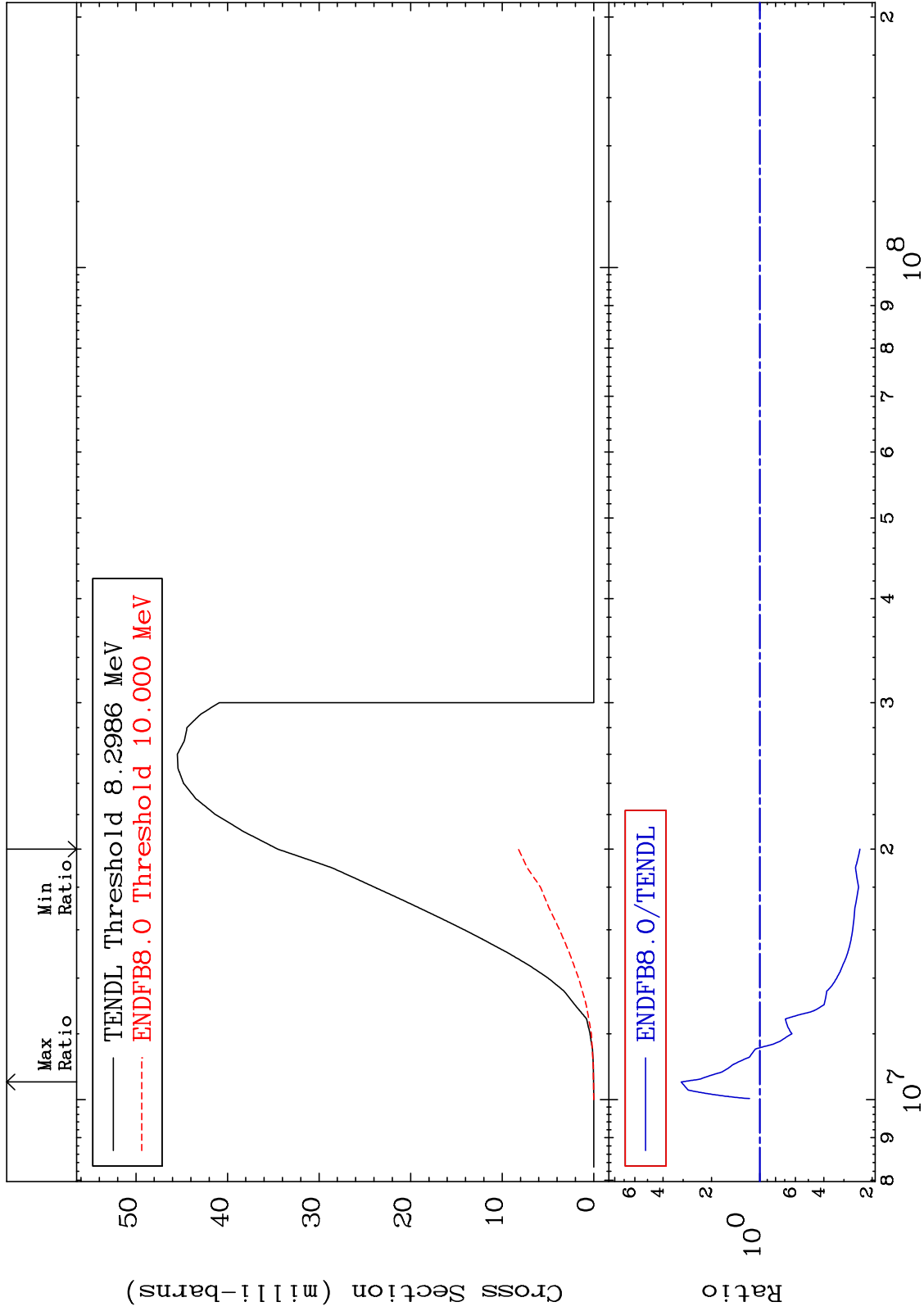
MAT 2225

(n,d)

22-Ti-46

Cross Section

-76.15 To 208.6 %



19

Incident Energy (eV)

22-Ti-46

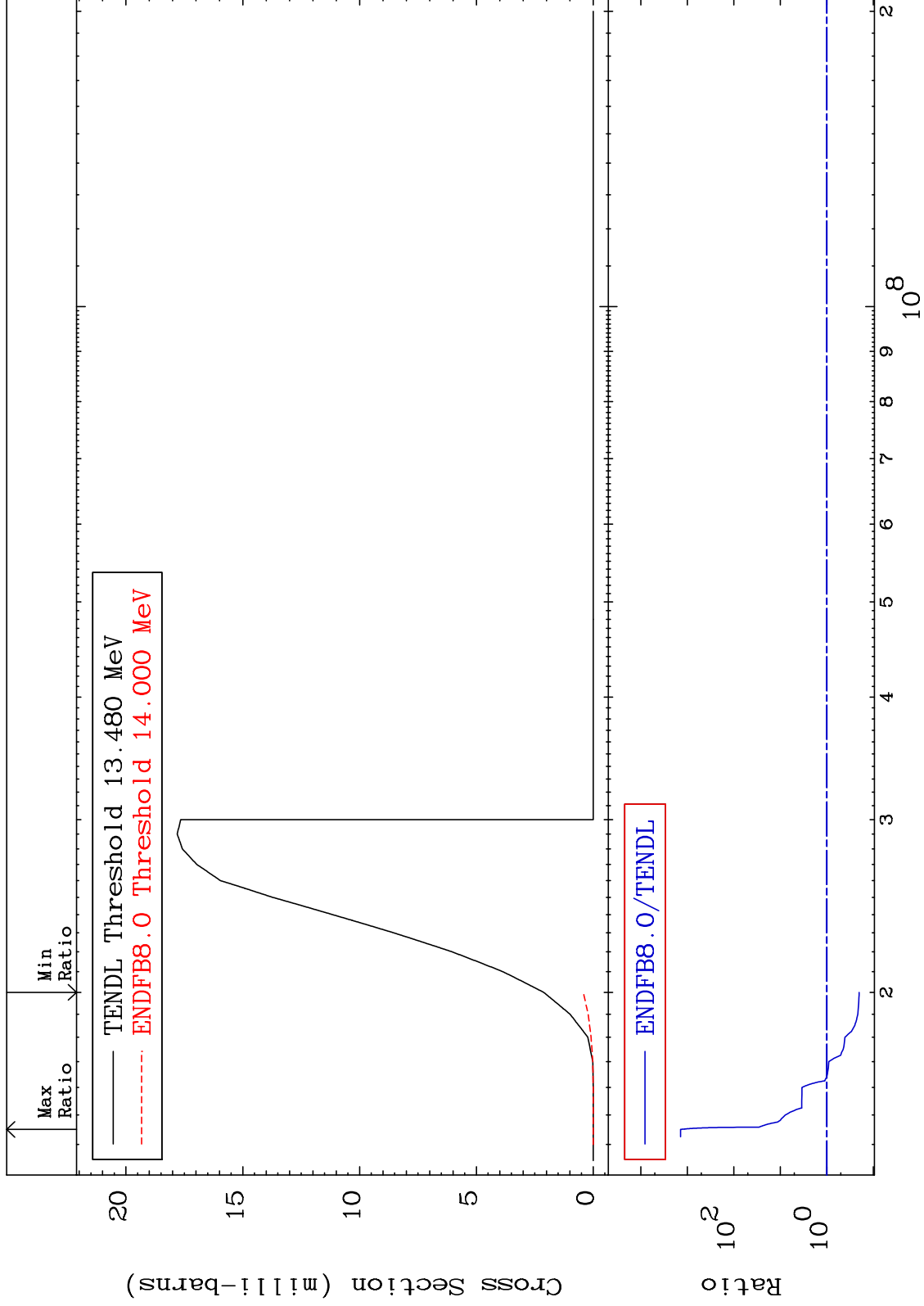
MAT 2225

(n, t)

22-Ti-46

Cross Section

-79.88 To 9999. %

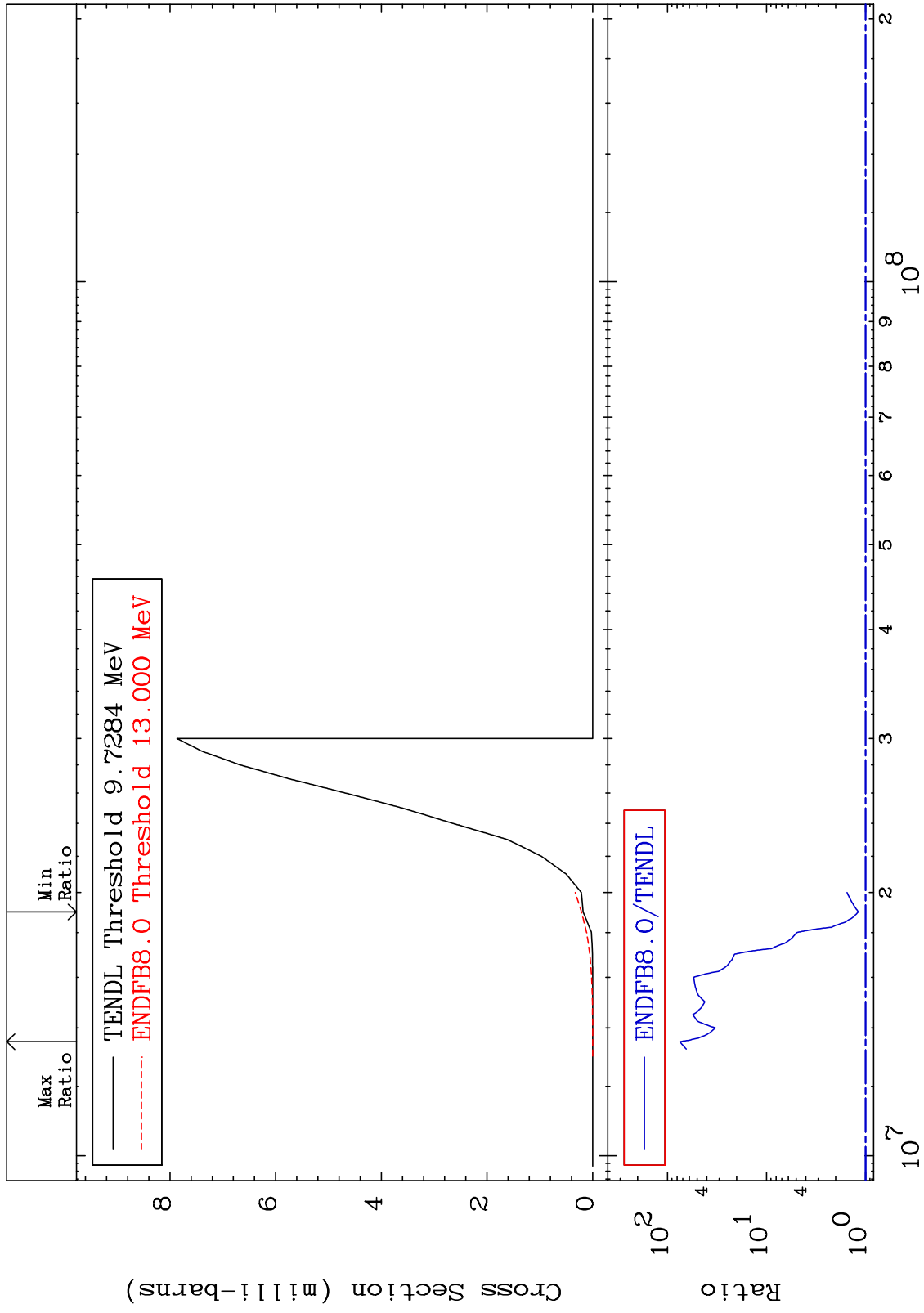


20

Incident Energy (eV)

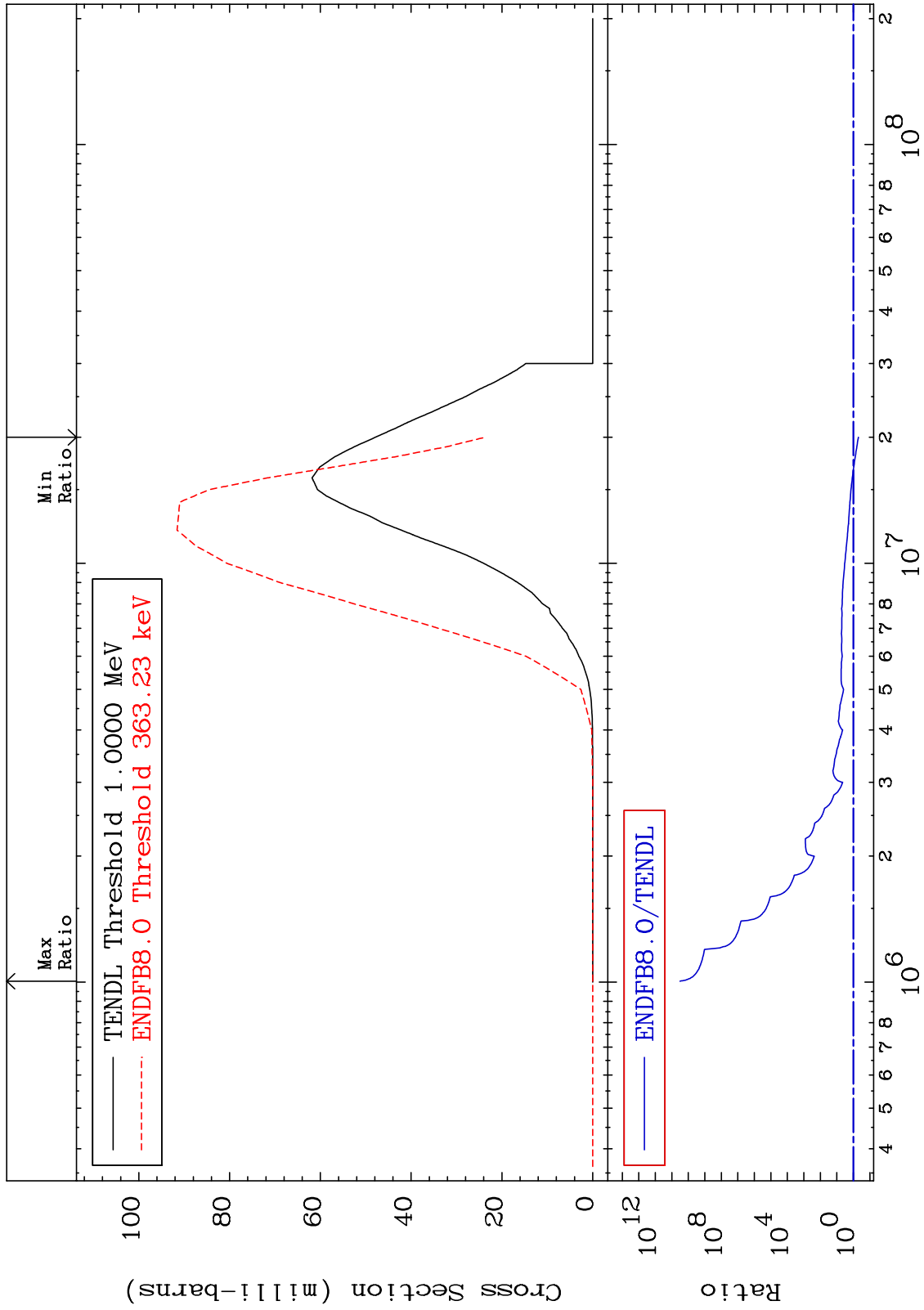
22-Ti-46

MAT 2225 (n, He-3) Cross Section 22-Ti-46
 17.83 To 7360. %



21 Incident Energy (eV) 22-Ti-46

MAT 2225 (n,α) Cross Section 22-Ti-46
 -50.40 To 9999. %



22 22-Ti-46

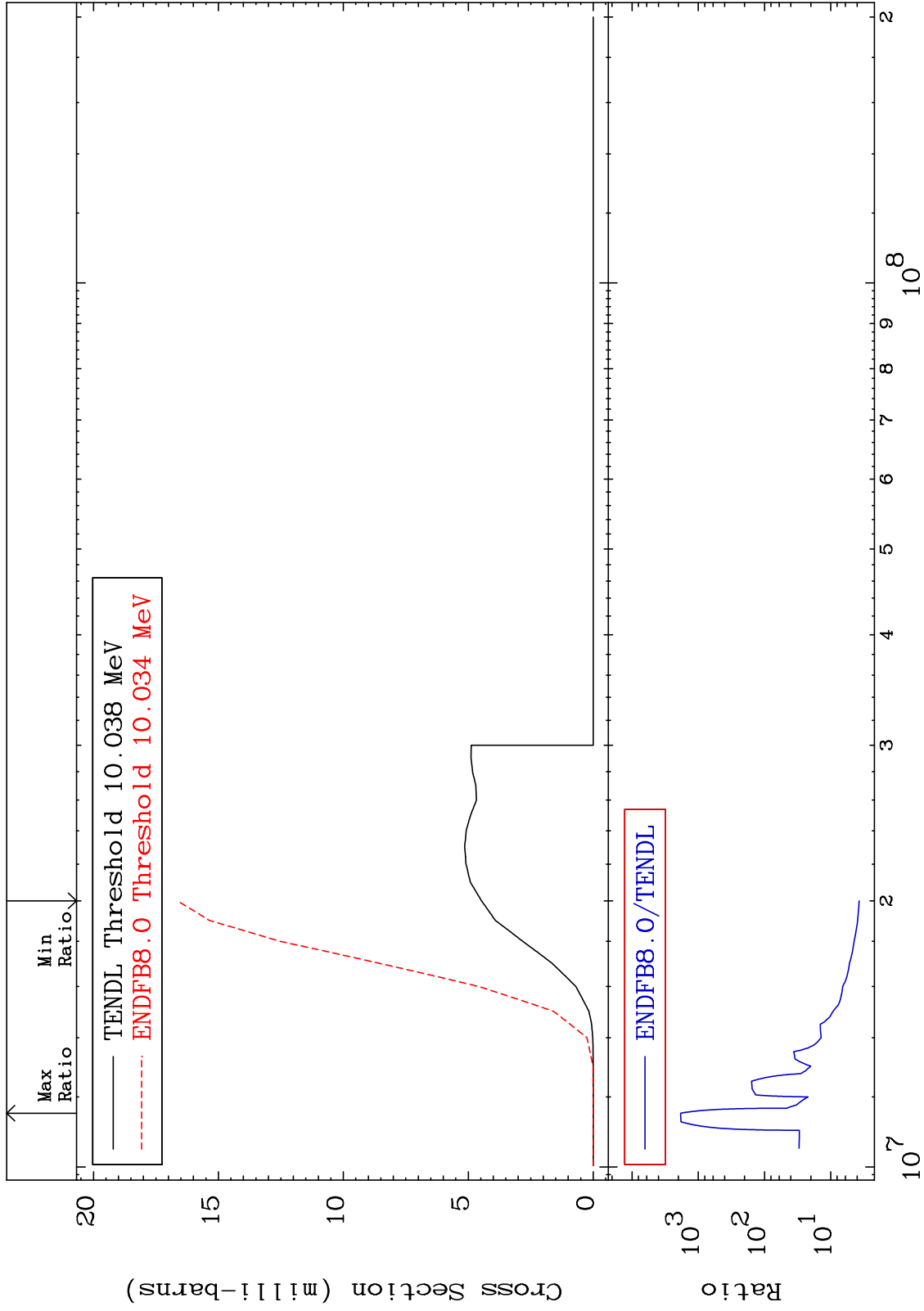
MAT 2225

(n,2p)

22-Ti-46

Cross Section

272.2 To 9999. %



22-Ti-46

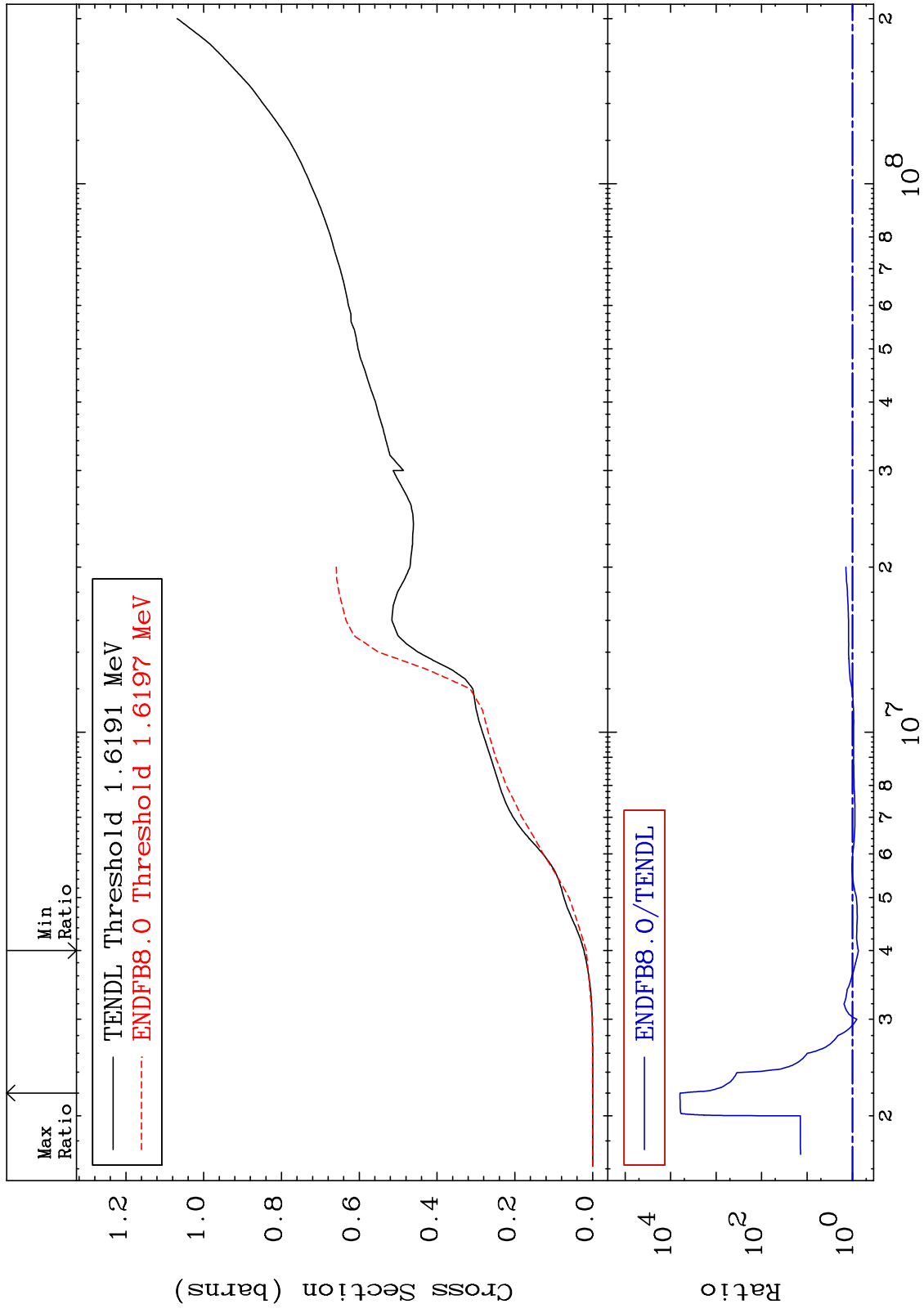
22-Ti-46

23

MAT 2225

Hydrogen Production
Cross Section

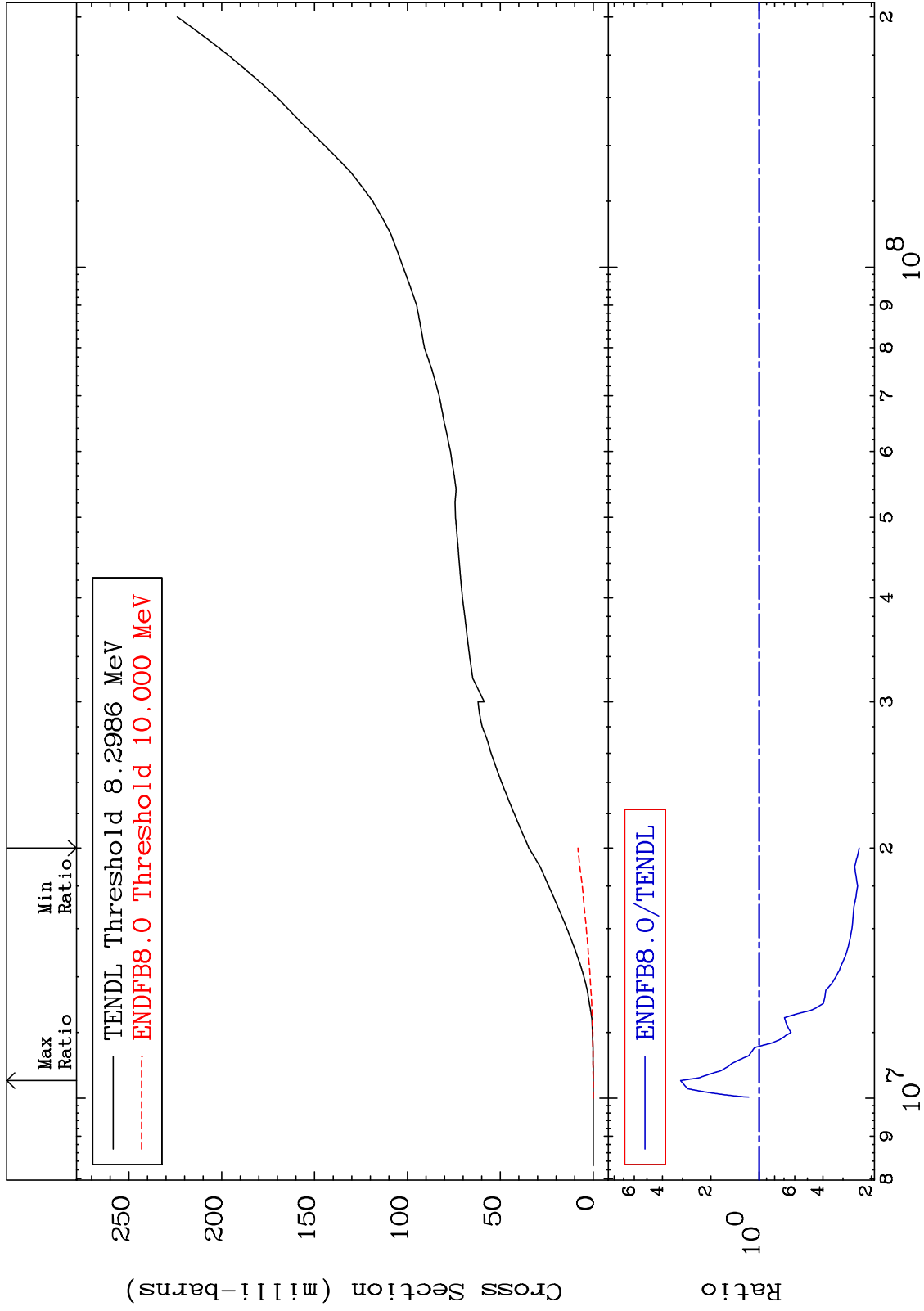
22-Ti-46
-25.73 To 9999. %



MAT 2225

Deuterium Production
Cross Section

²²Ti-46
-76.21 To 208.6 %



25

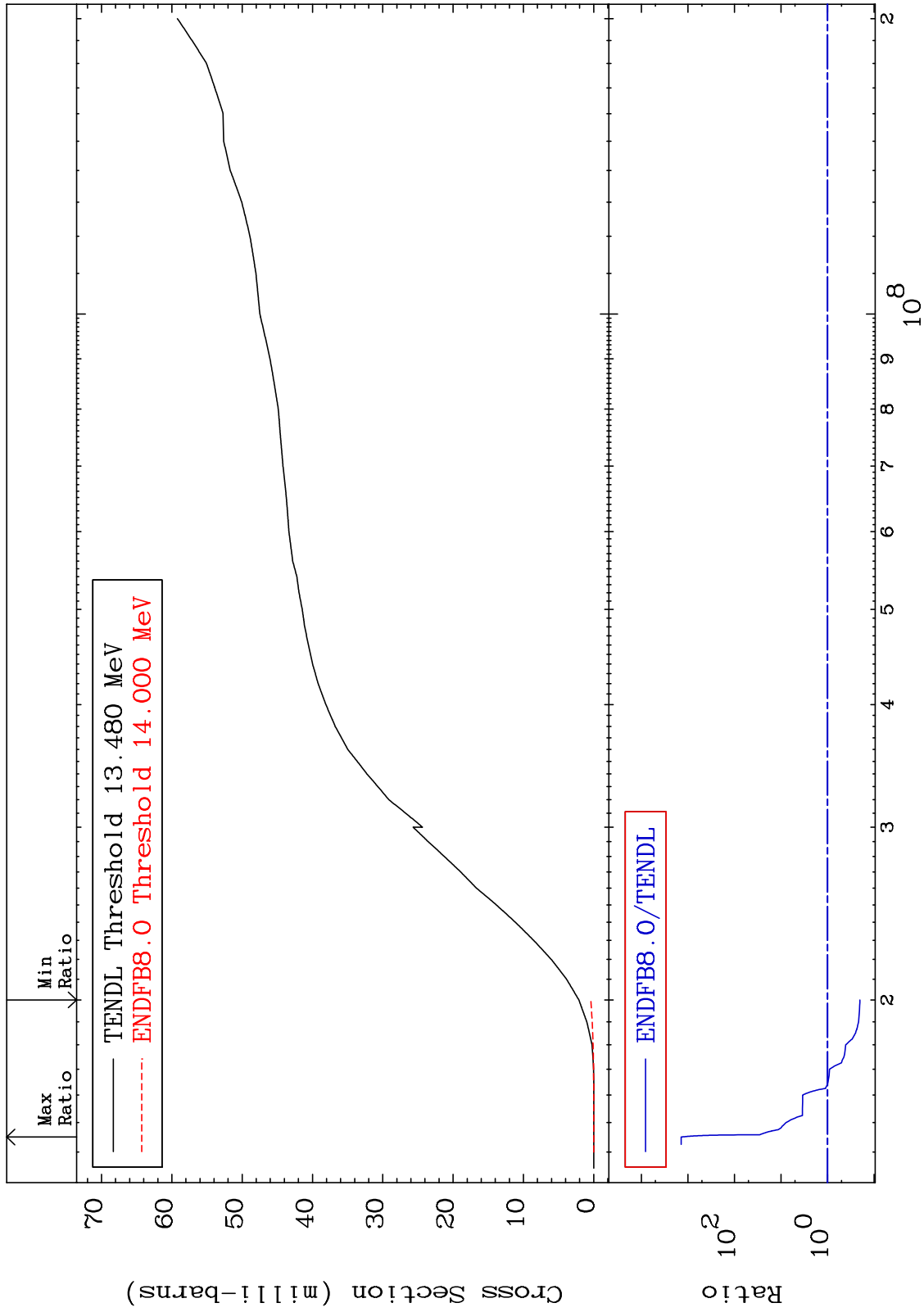
Incident Energy (eV)

²²Ti-46

MAT 2225

Tritium Production
Cross Section

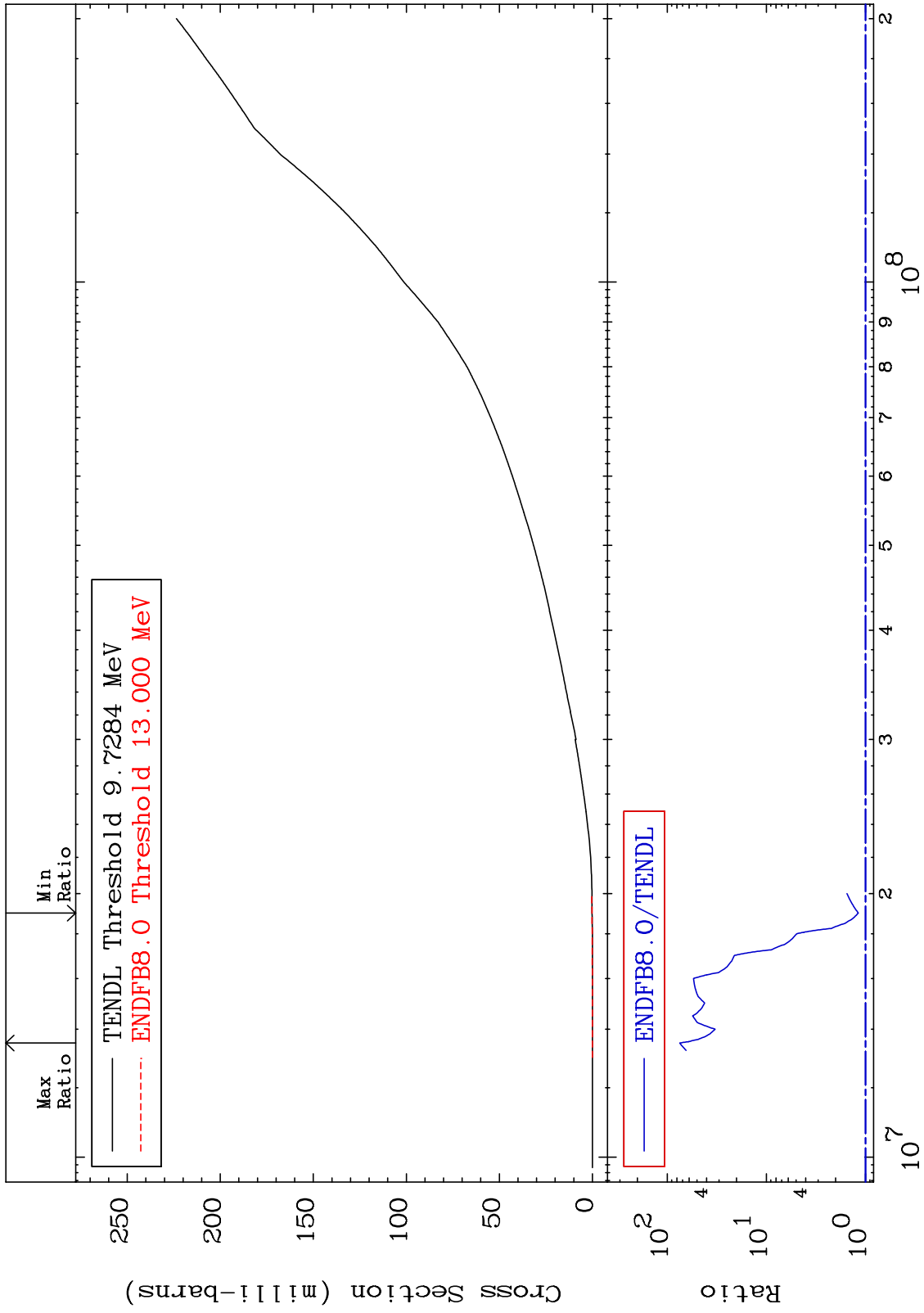
22-Ti-46
-79.88 To 9999. %



MAT 2225

He-3 Production
Cross Section

22-Ti-46
17.83 To 7360. %



27

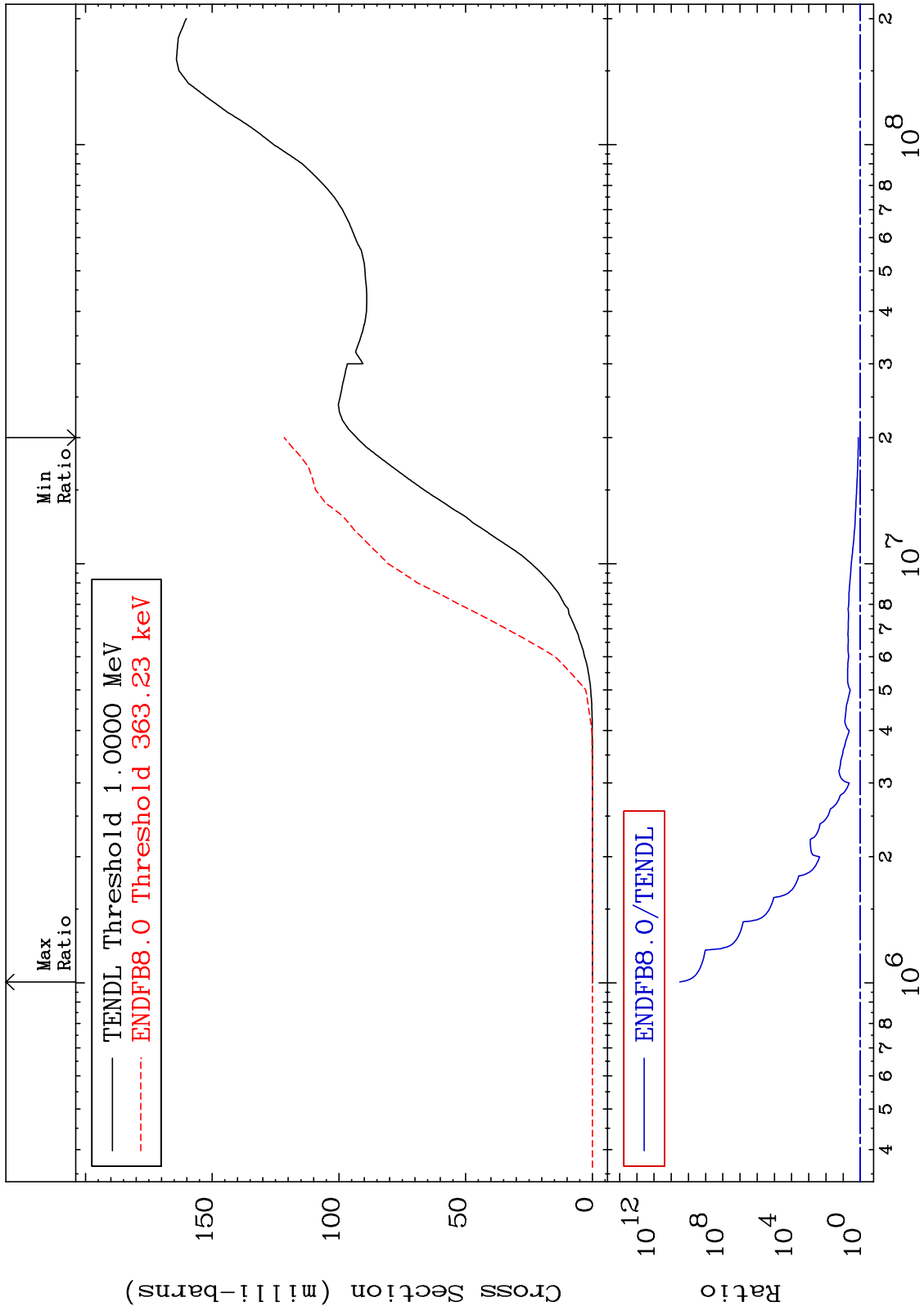
Incident Energy (eV)

22-Ti-46

MAT 2225

He-4 Production
Cross Section

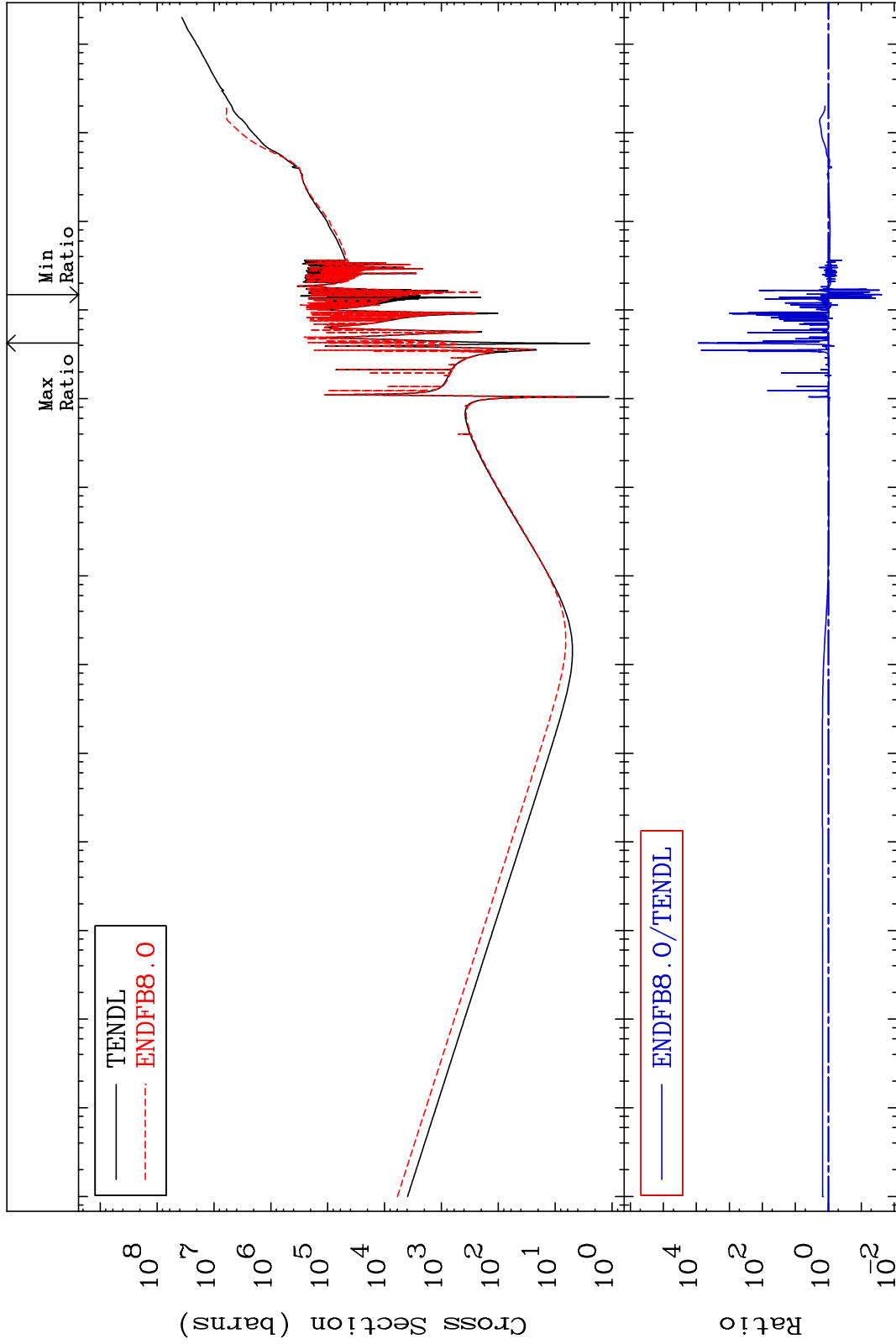
22-Ti-46
30.74 To 9999. %



MAT 2225

Kerma total (eV-barns)
Cross Section

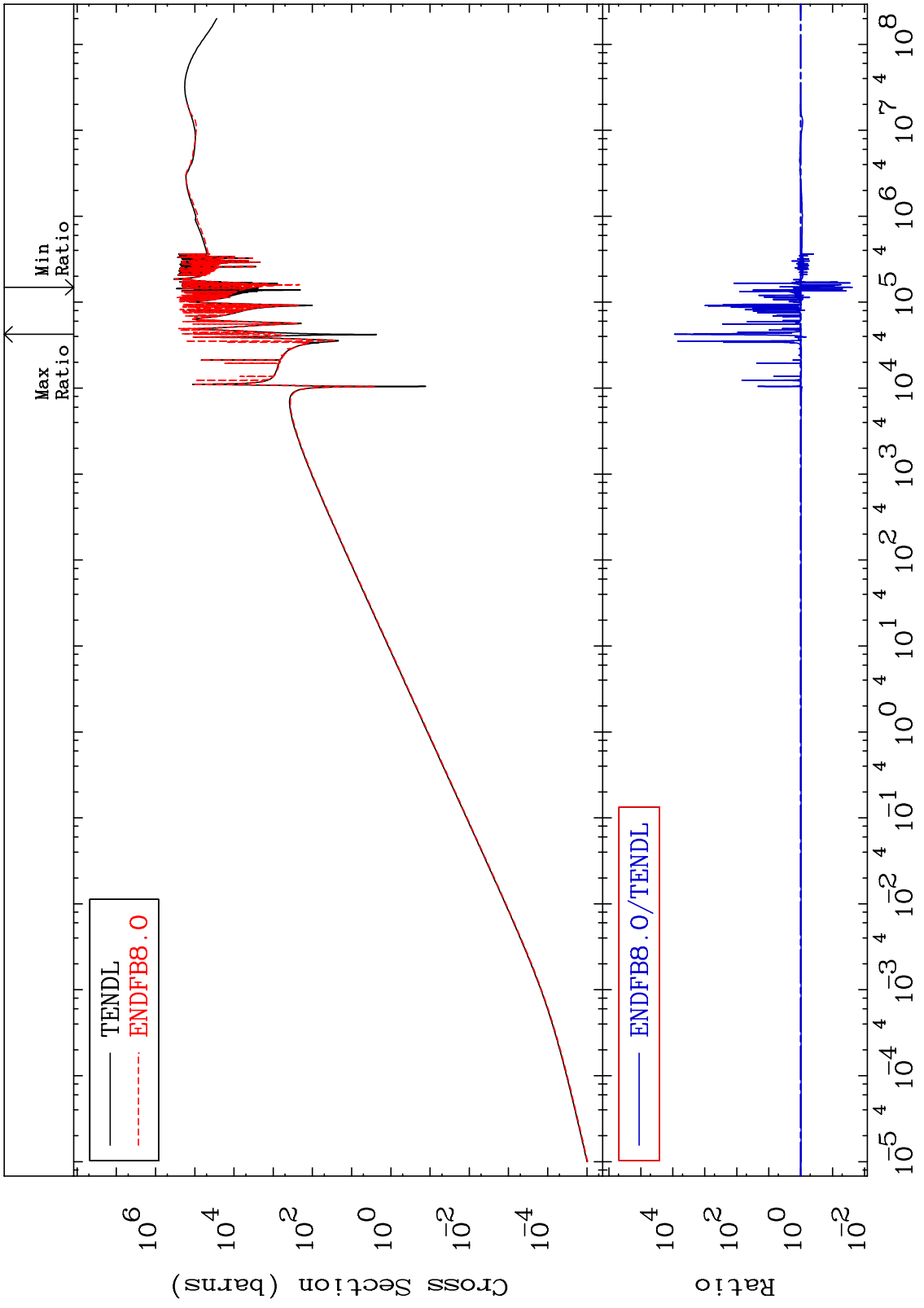
22-Ti-46
-97.56 To 9999. %



MAT 2225

Kerma elastic
Cross Section

22-Ti-46
-97.56 To 9999. %



30

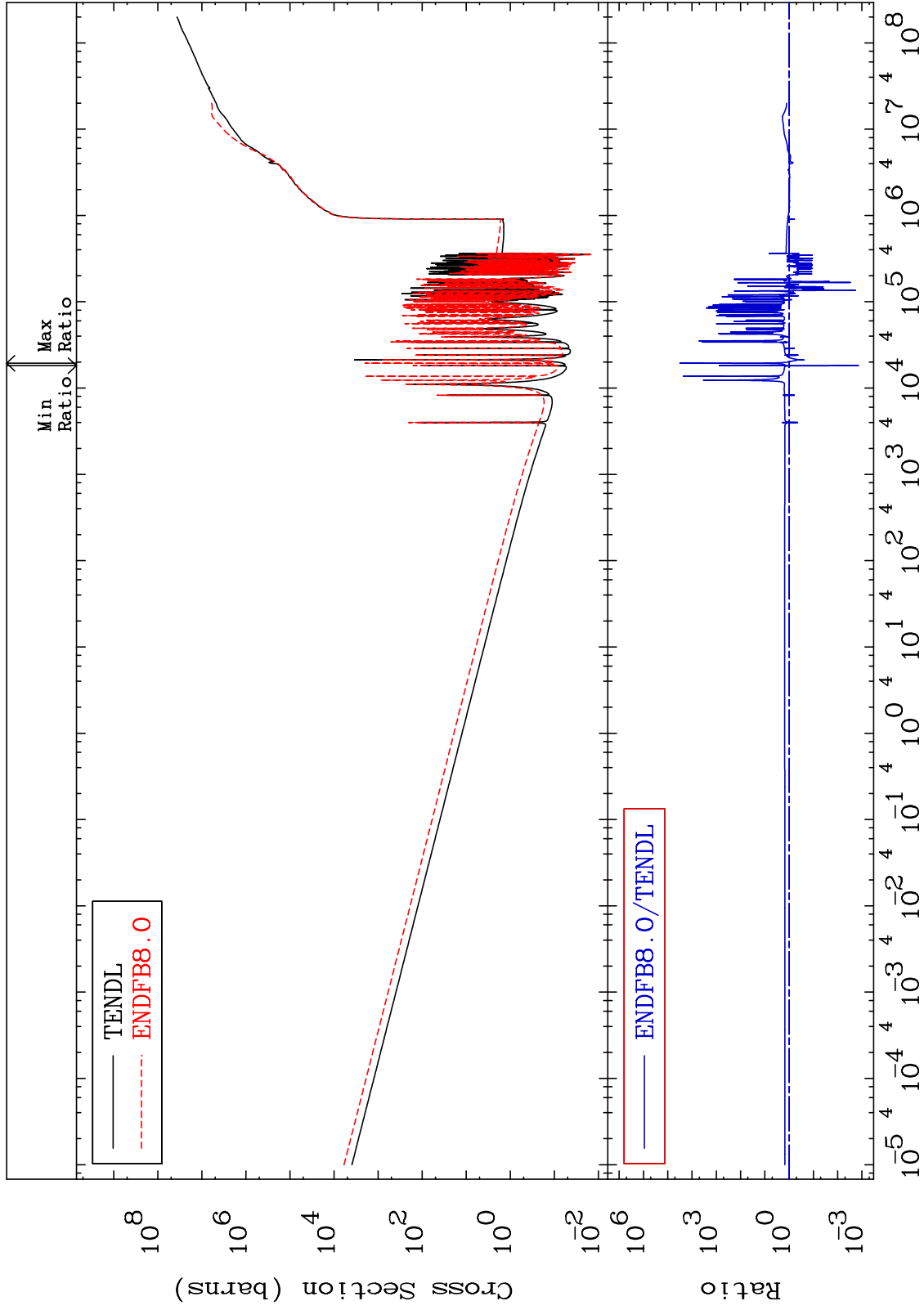
Incident Energy (eV)

22-Ti-46

MAT 2225

Kerma non-elastic (all but mt2)
Cross Section

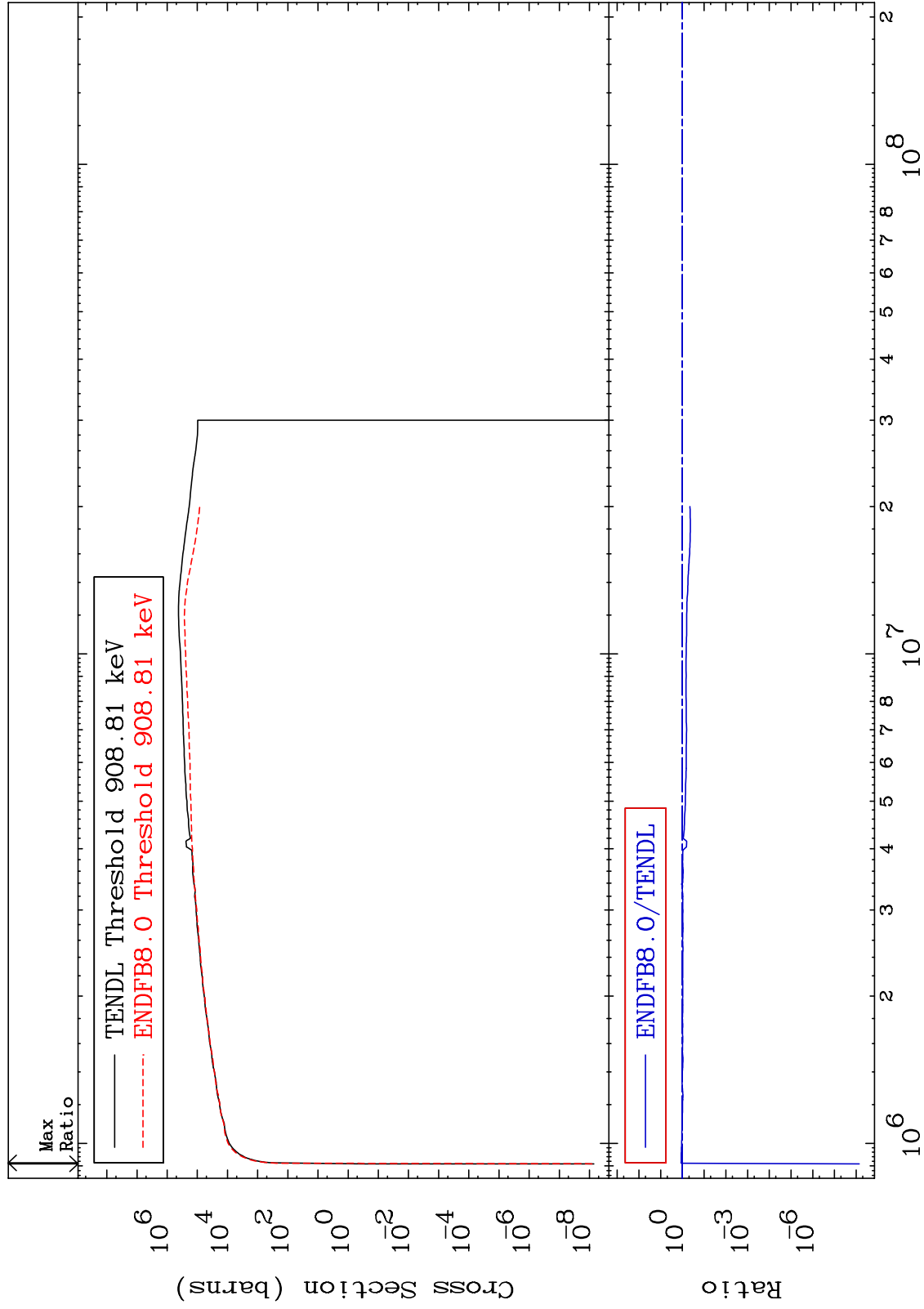
22-Ti-46
-99.86 To 9999. %



MAT 2225

Kerma inelastic (mt51-91)
Cross Section

22-Ti-46
-100.0 To 15.34 %



32

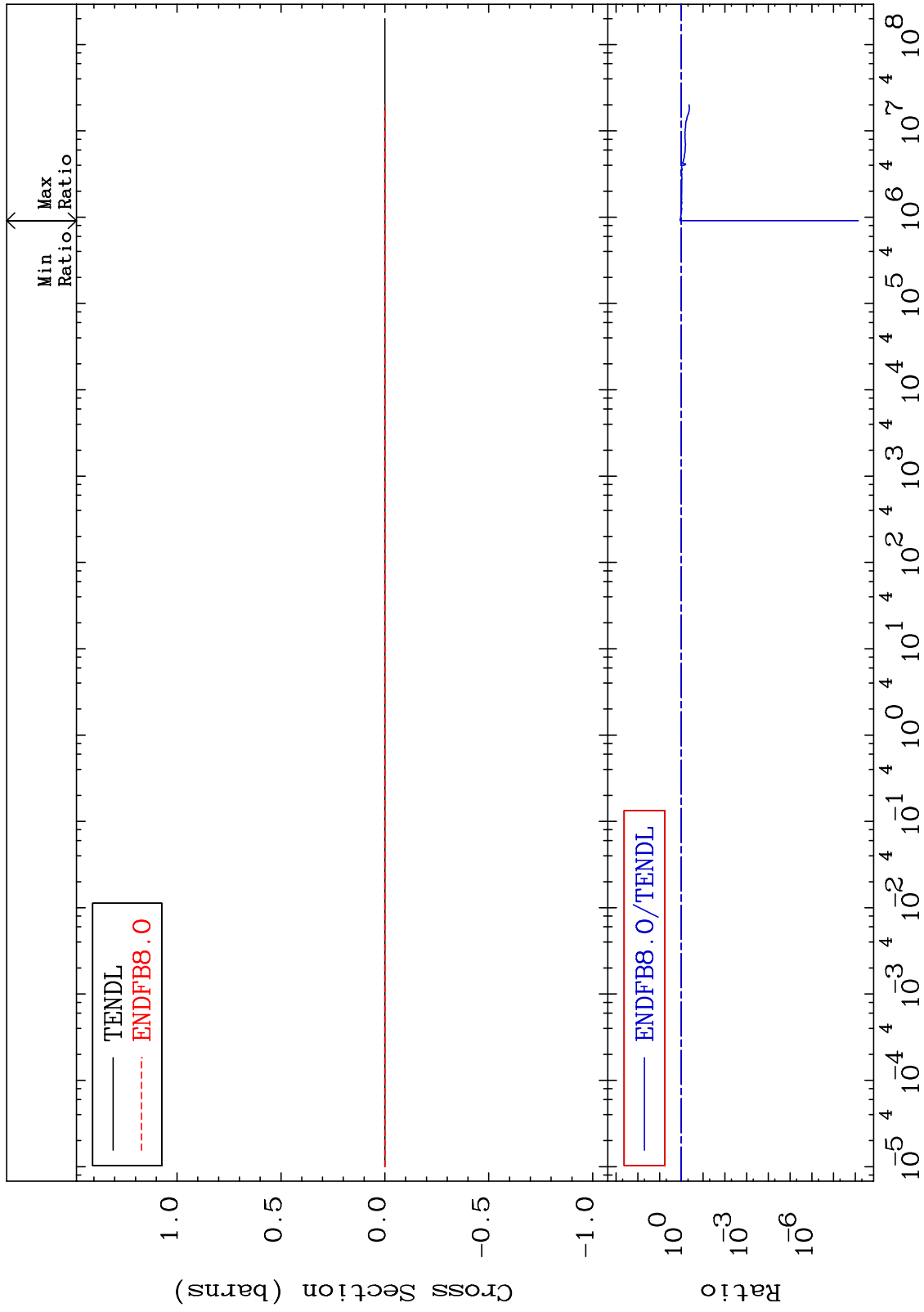
Incident Energy (eV)

22-Ti-46

MAT 2225

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

22-Ti-46
-100.0 To 15.34 %



33

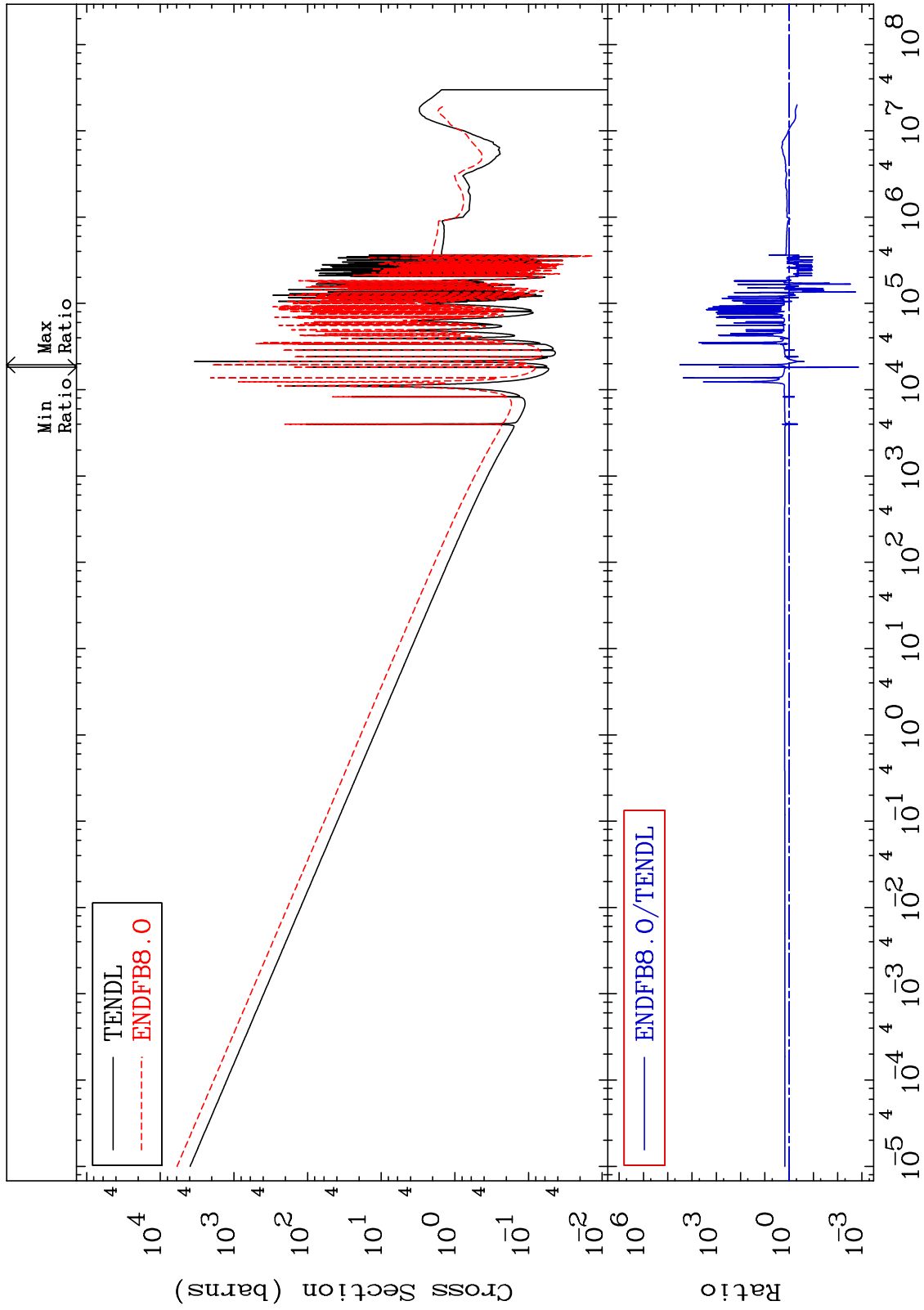
Incident Energy (eV)

22-Ti-46

MAT 2225

Kerma capture (mt102)
Cross Section

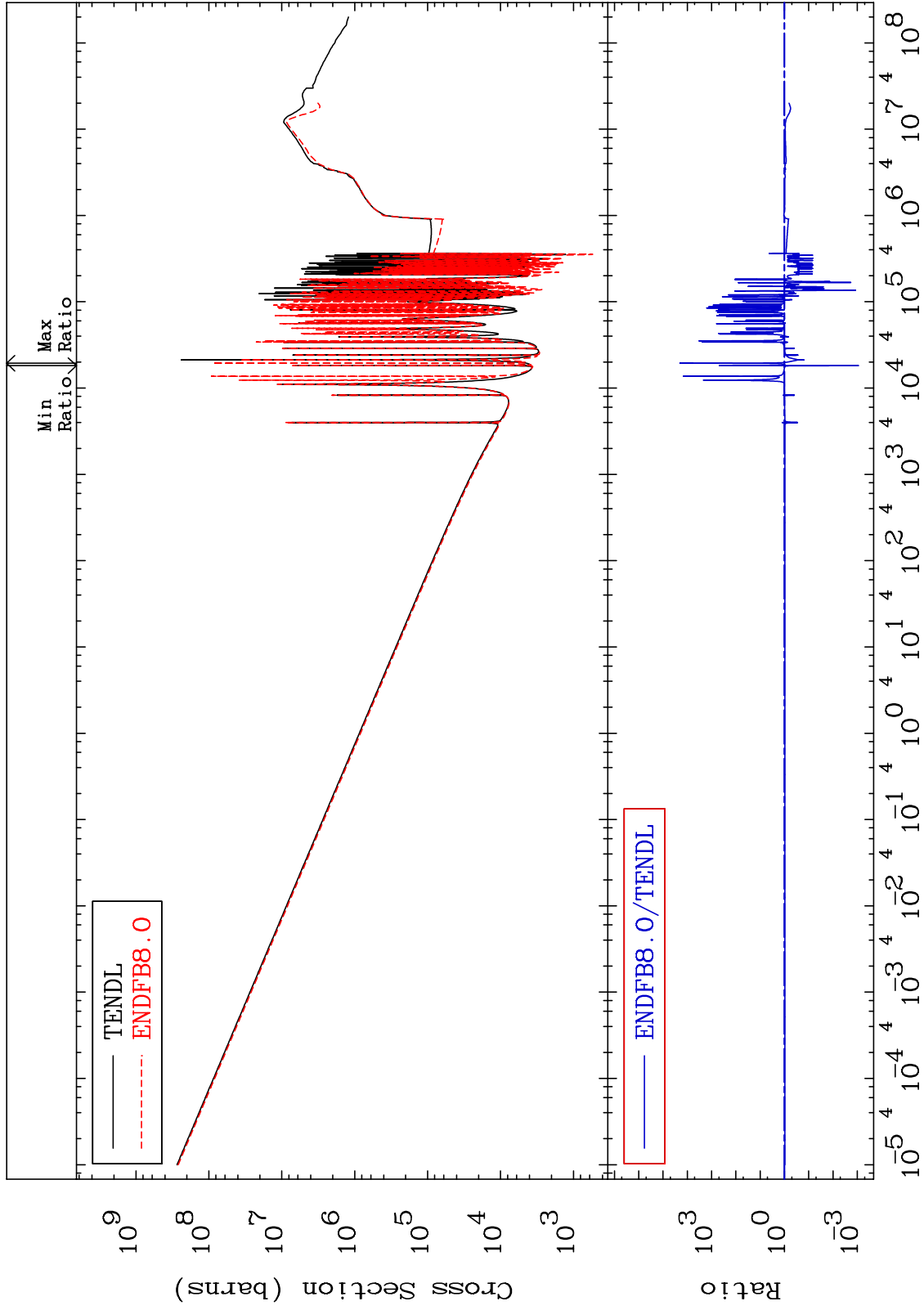
22-Ti-46
-99.86 To 9999. %



MAT 2225

Total photon (eV-barns)
Cross Section

22-Ti-46
-99.91 To 9999. %



35

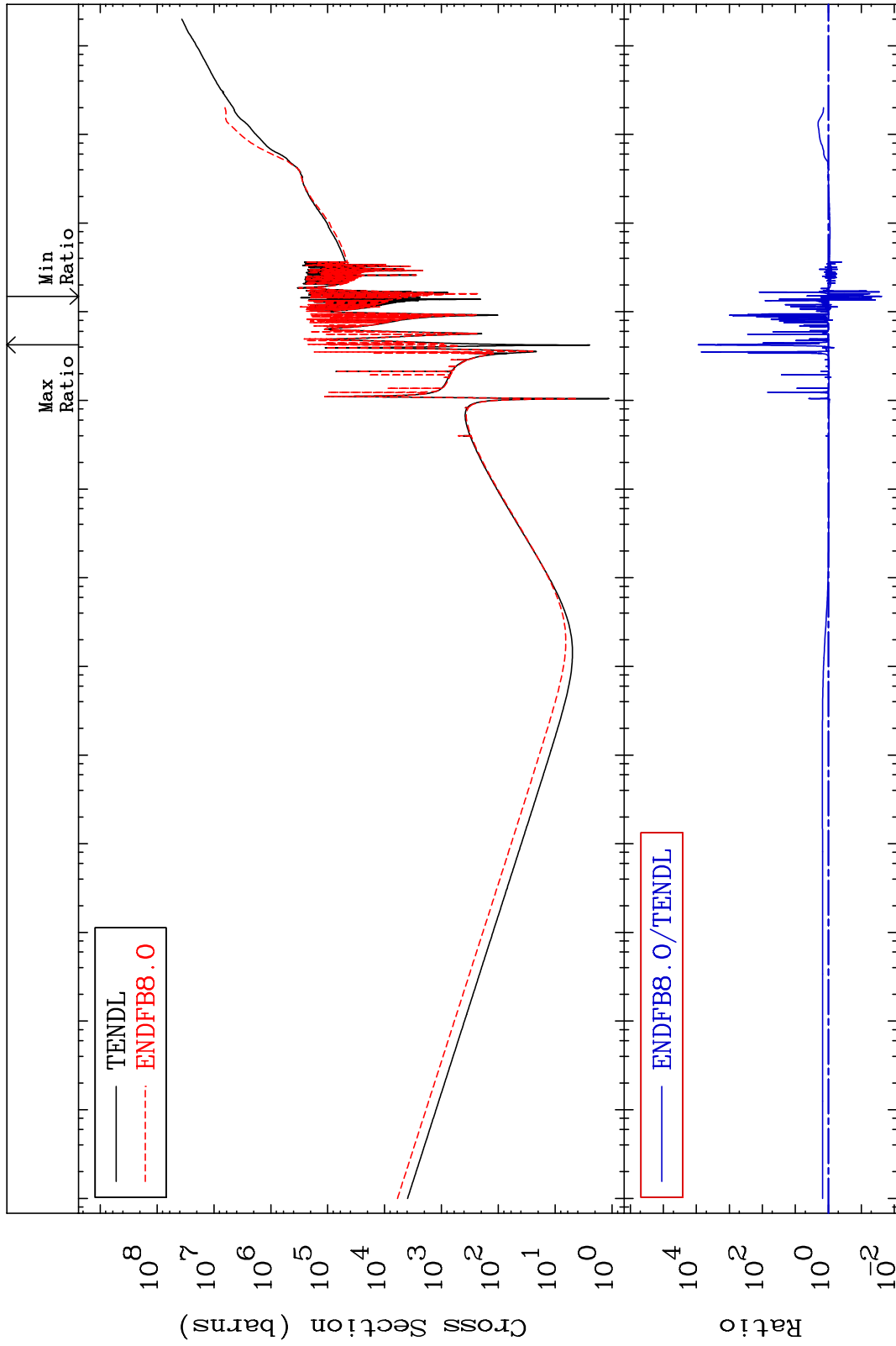
Incident Energy (eV)

22-Ti-46

MAT 2225

Total kinematic kerma (high limit)
Cross Section

22-Ti-46
-97.56 To 9999. %



36

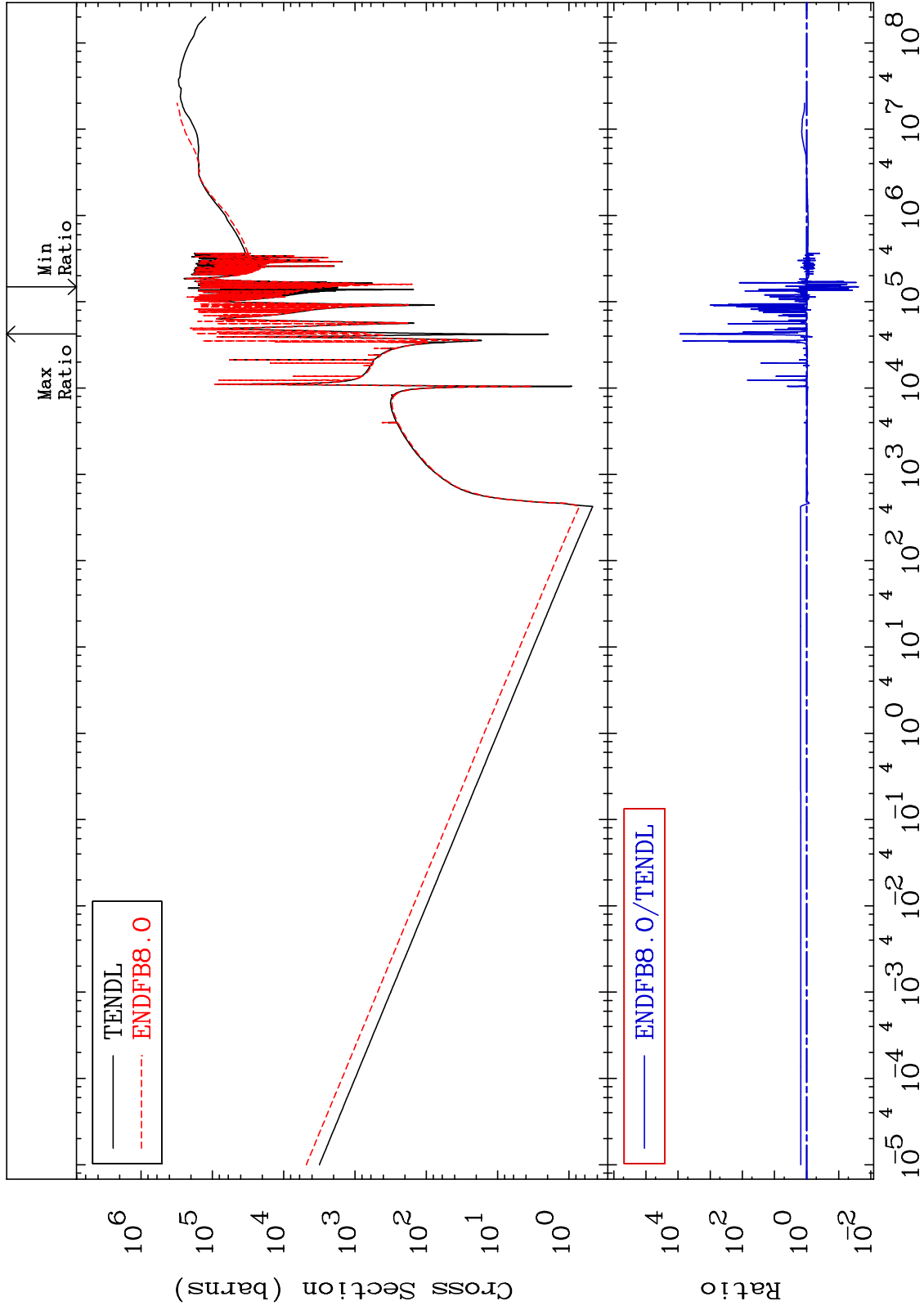
Incident Energy (eV)

22-Ti-46

MAT 2225

Dpa total (eV-barns)
Cross Section

22-Ti-46
-97.56 To 9999. %



37

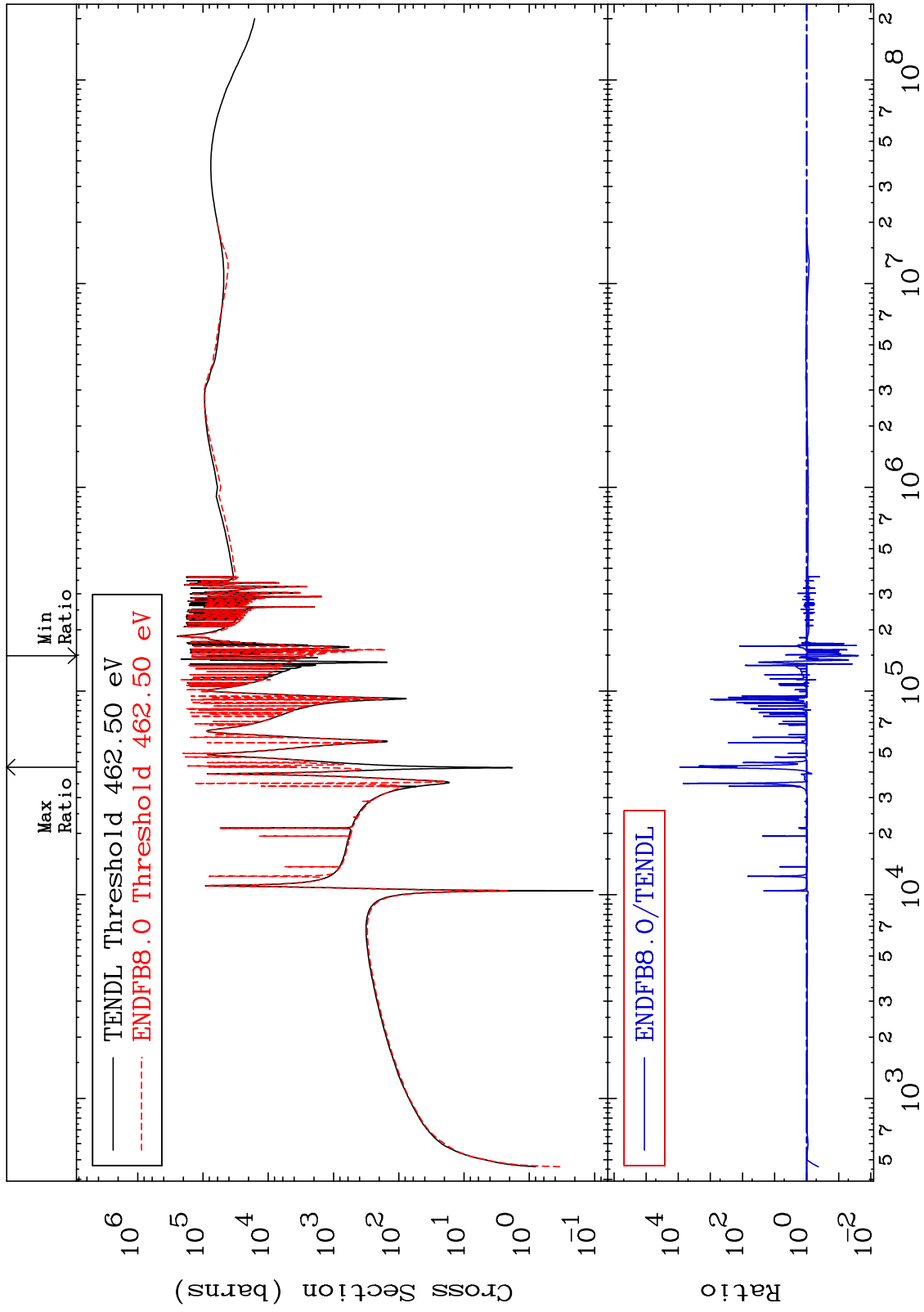
Incident Energy (eV)

22-Ti-46

MAT 2225

Dpa elastic (mt2)
Cross Section

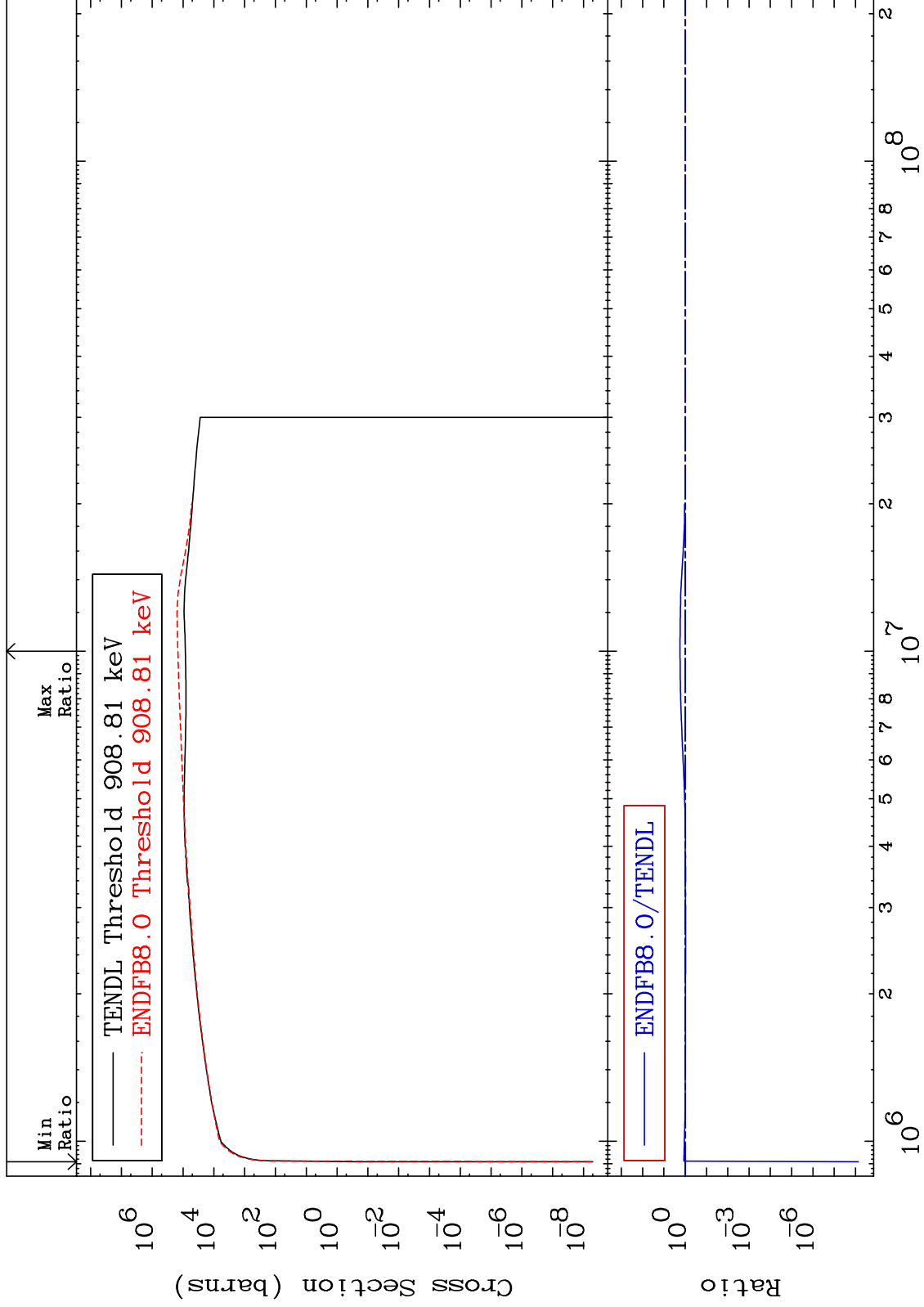
22-Ti-46
-97.56 To 9999. %



MAT 2225

Dpa inelastic (mt51-91)
Cross Section

22-Ti-46
-100.0 To 75.09 %



39

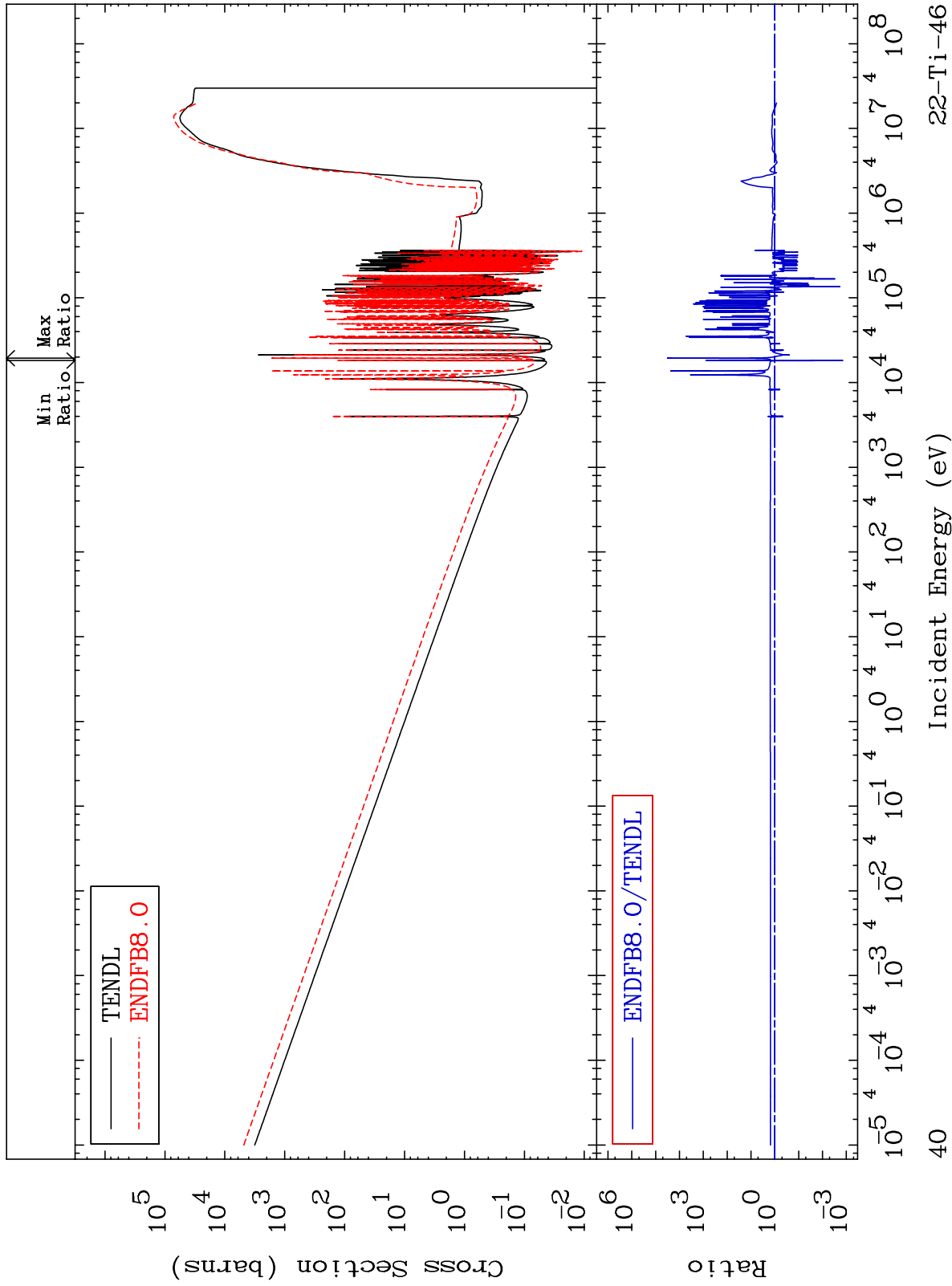
Incident Energy (eV)

22-Ti-46

MAT 2225

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-46
-99.86 To 9999. %



40

Incident Energy (eV)

22-Ti-46