

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

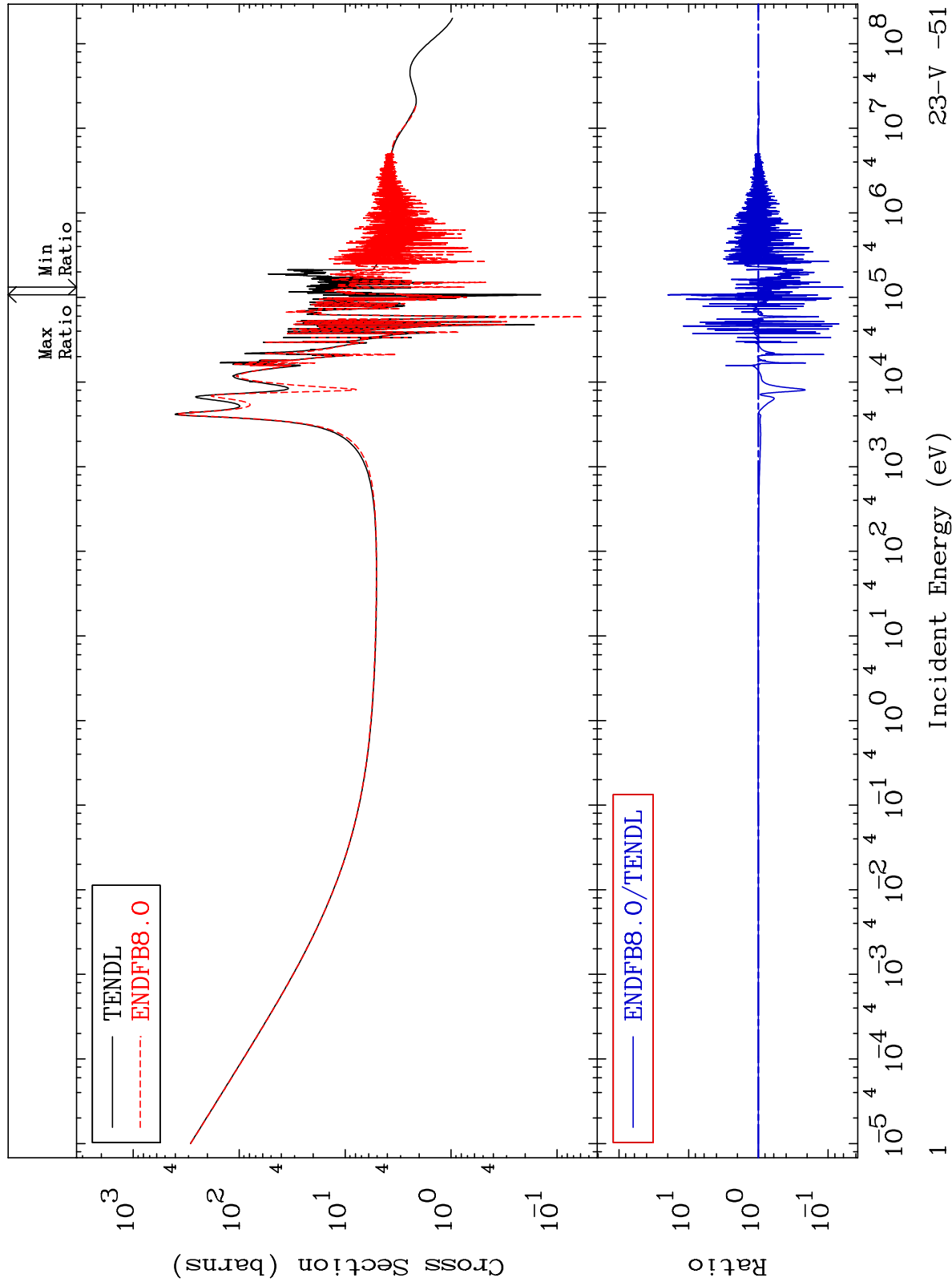
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2328

Total
Cross Section

23-V -51
-93.87 To 1876. %

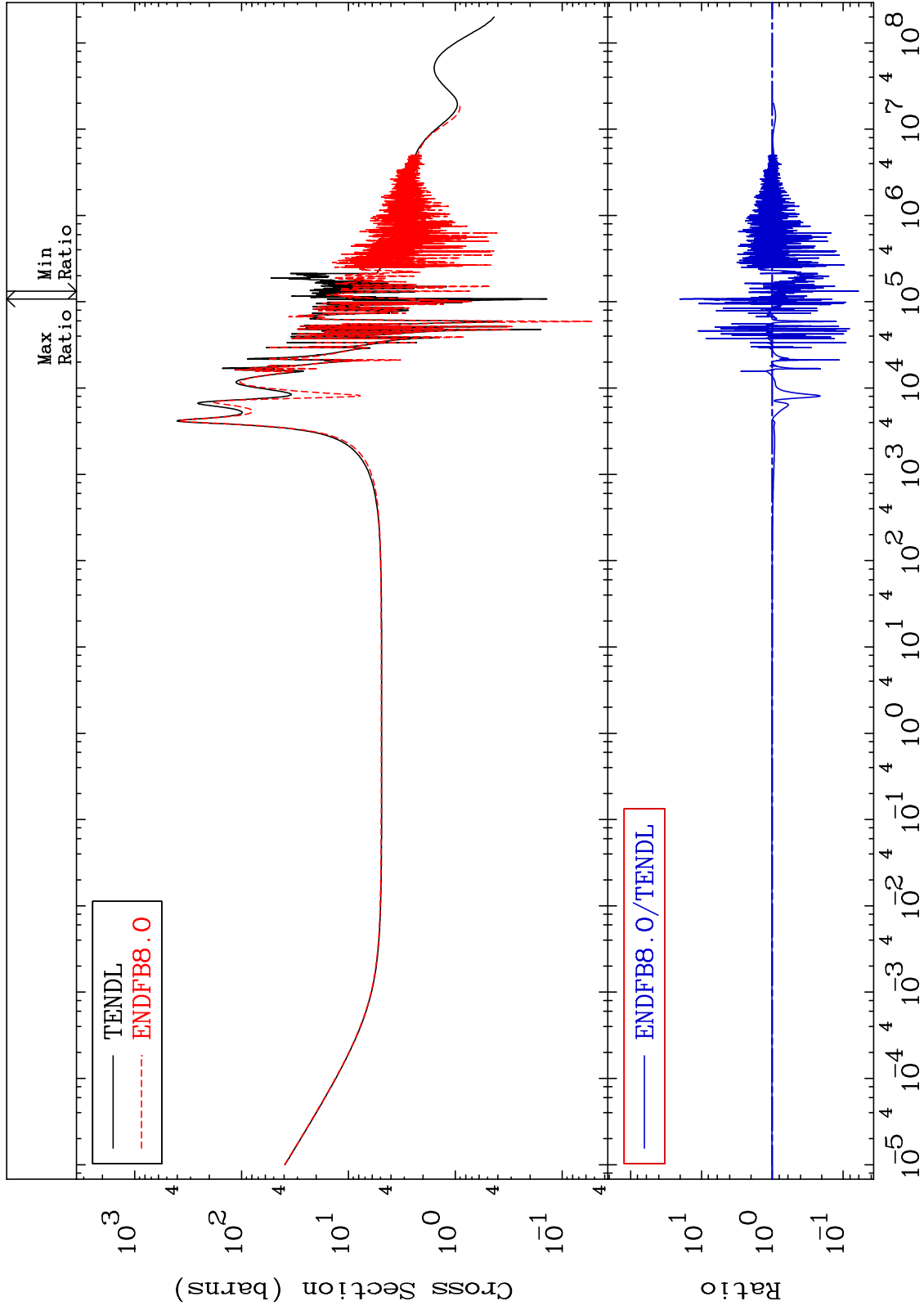


23-V -51

MAT 2328

Elastic
Cross Section

23-V -51
-93.92 To 1908. %



Incident Energy (eV)

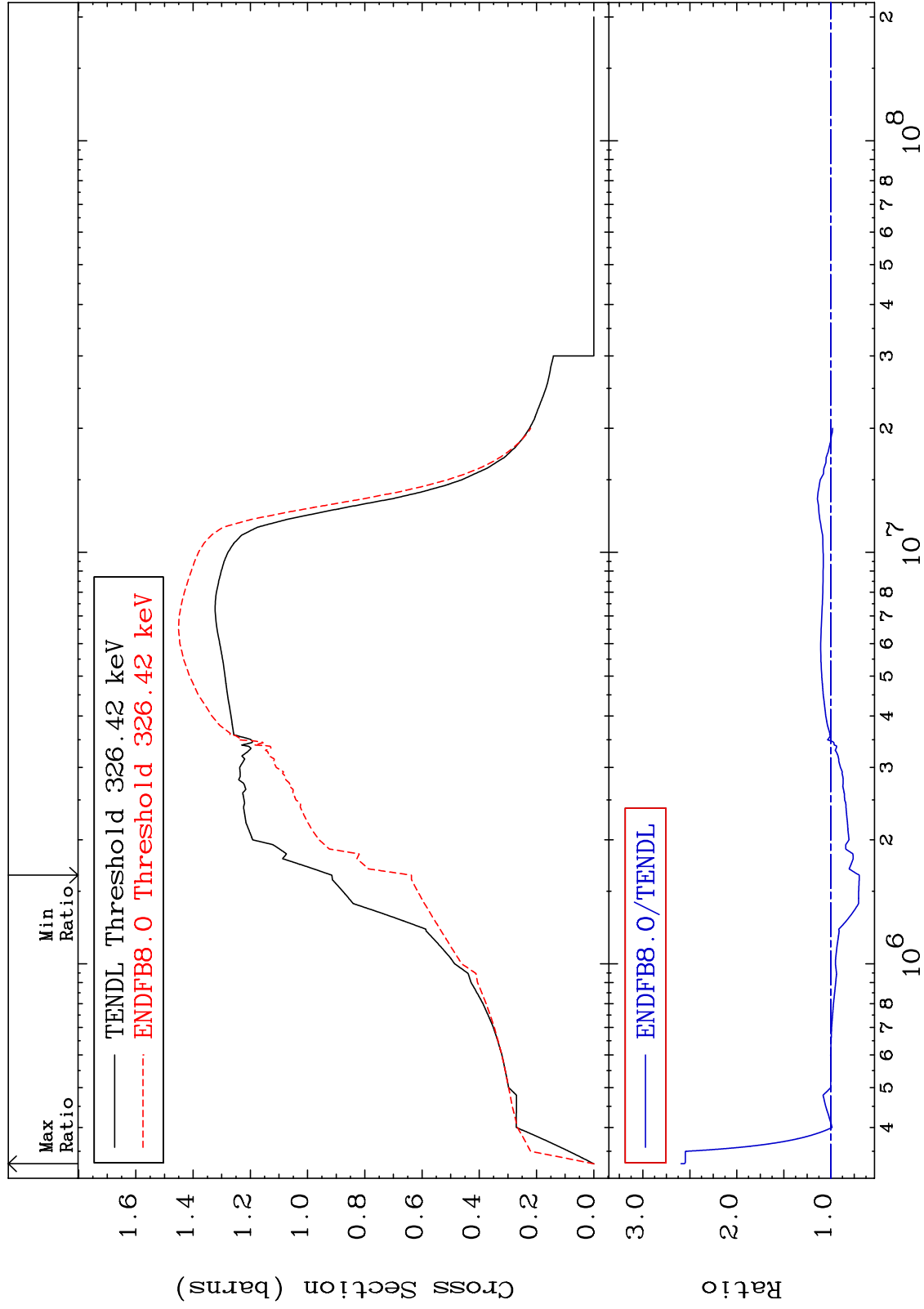
23-V -51

2

MAT 2328

Inelastic
Cross Section

23-V -51
-30.39 To 159.3 %



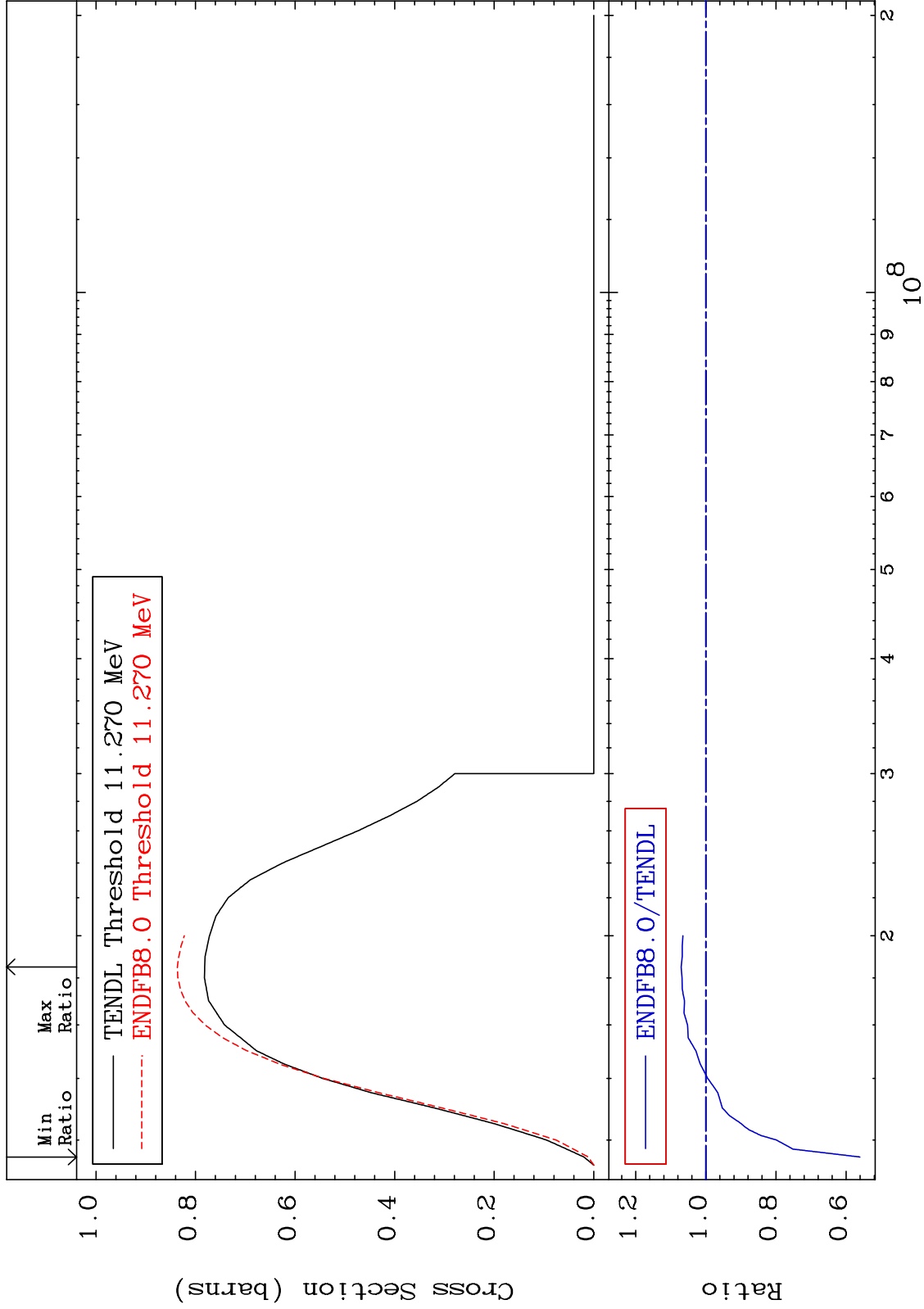
3

Incident Energy (eV)

23-V -51

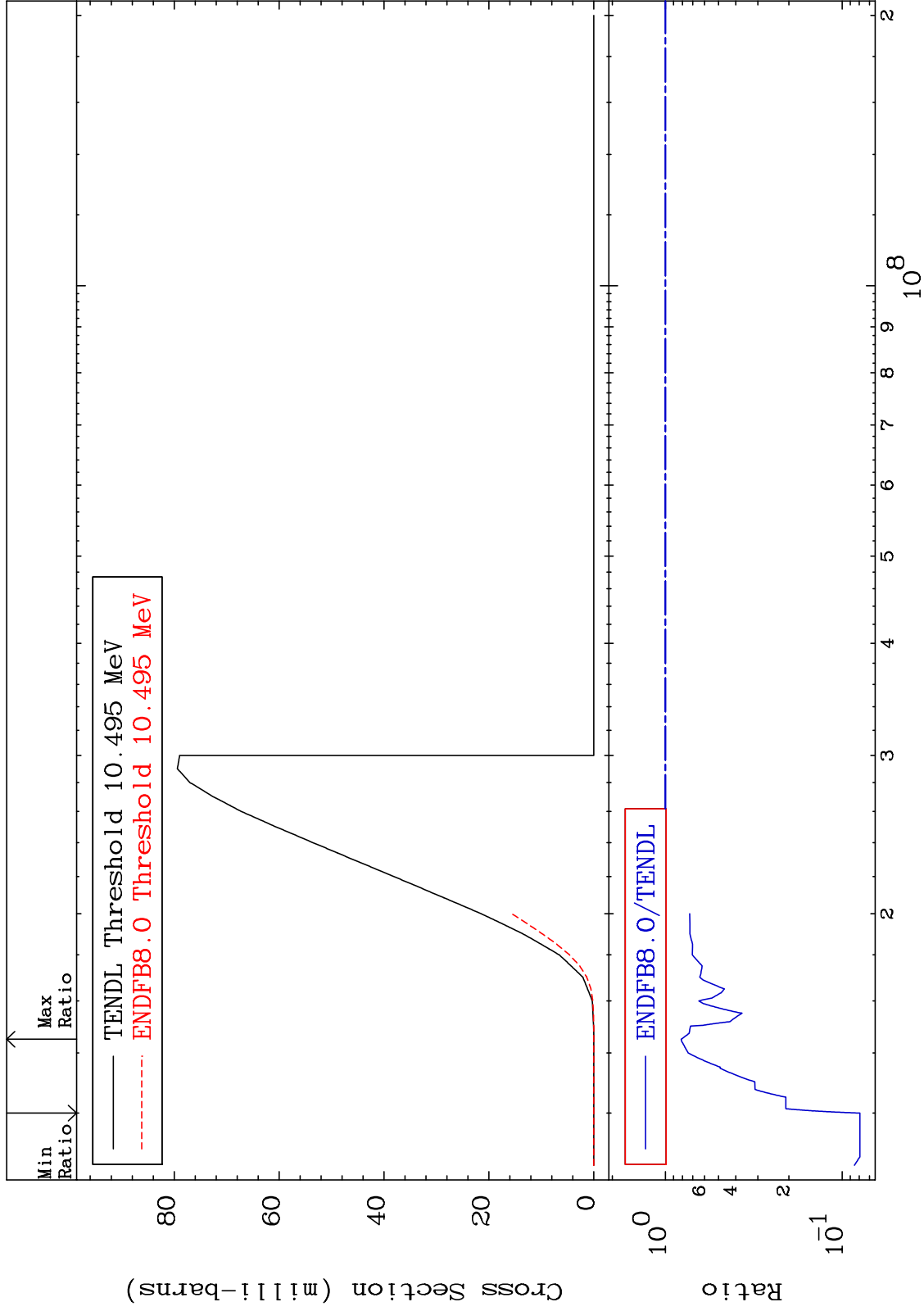
Cross Section

-43.93 To 7.036 %



Cross Section

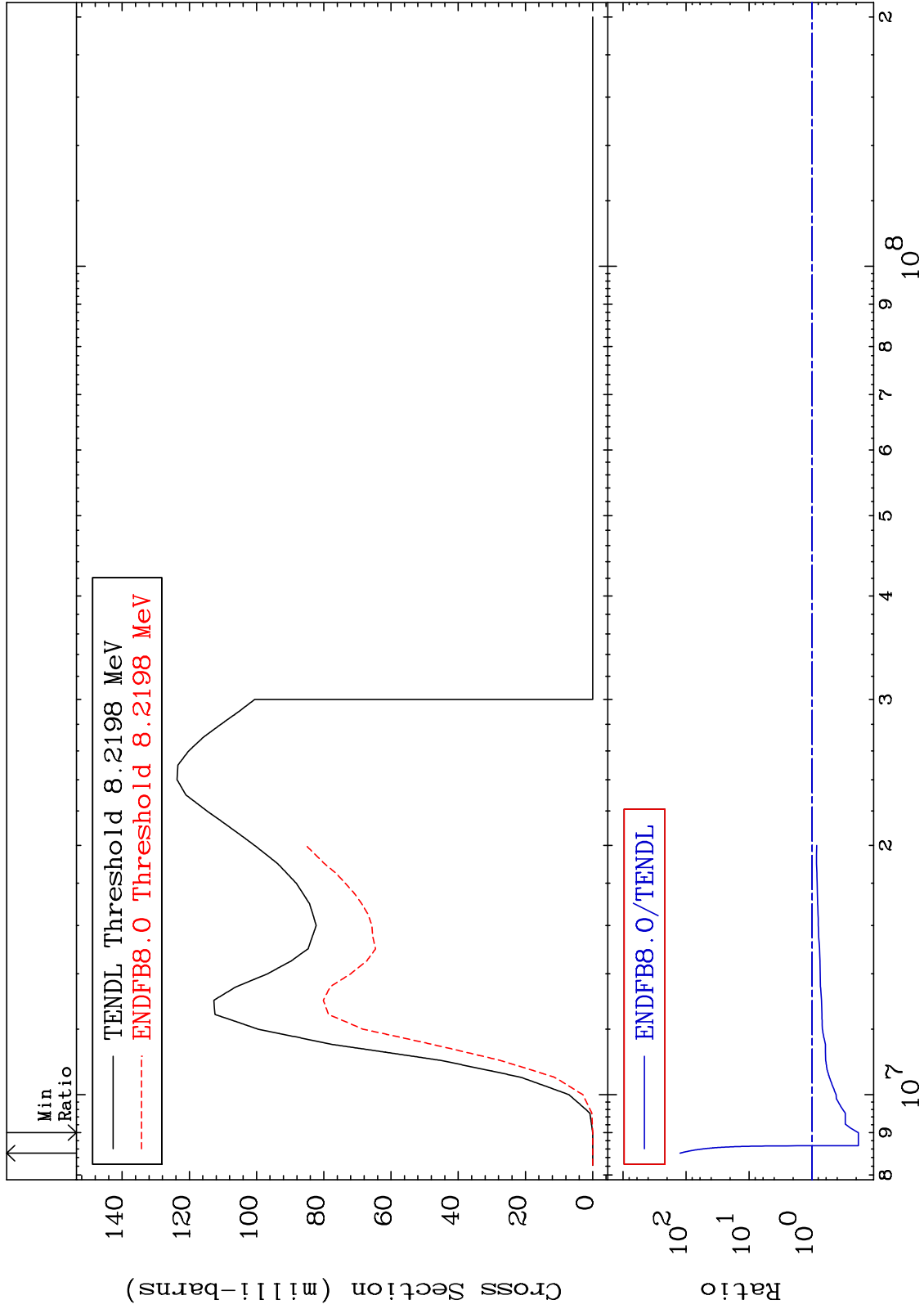
-92.07 To -18.61%



MAT 2328

(n,n') p
Cross Section

23-V -51
-81.60 To 9999. %



6

Incident Energy (eV)

23-V -51

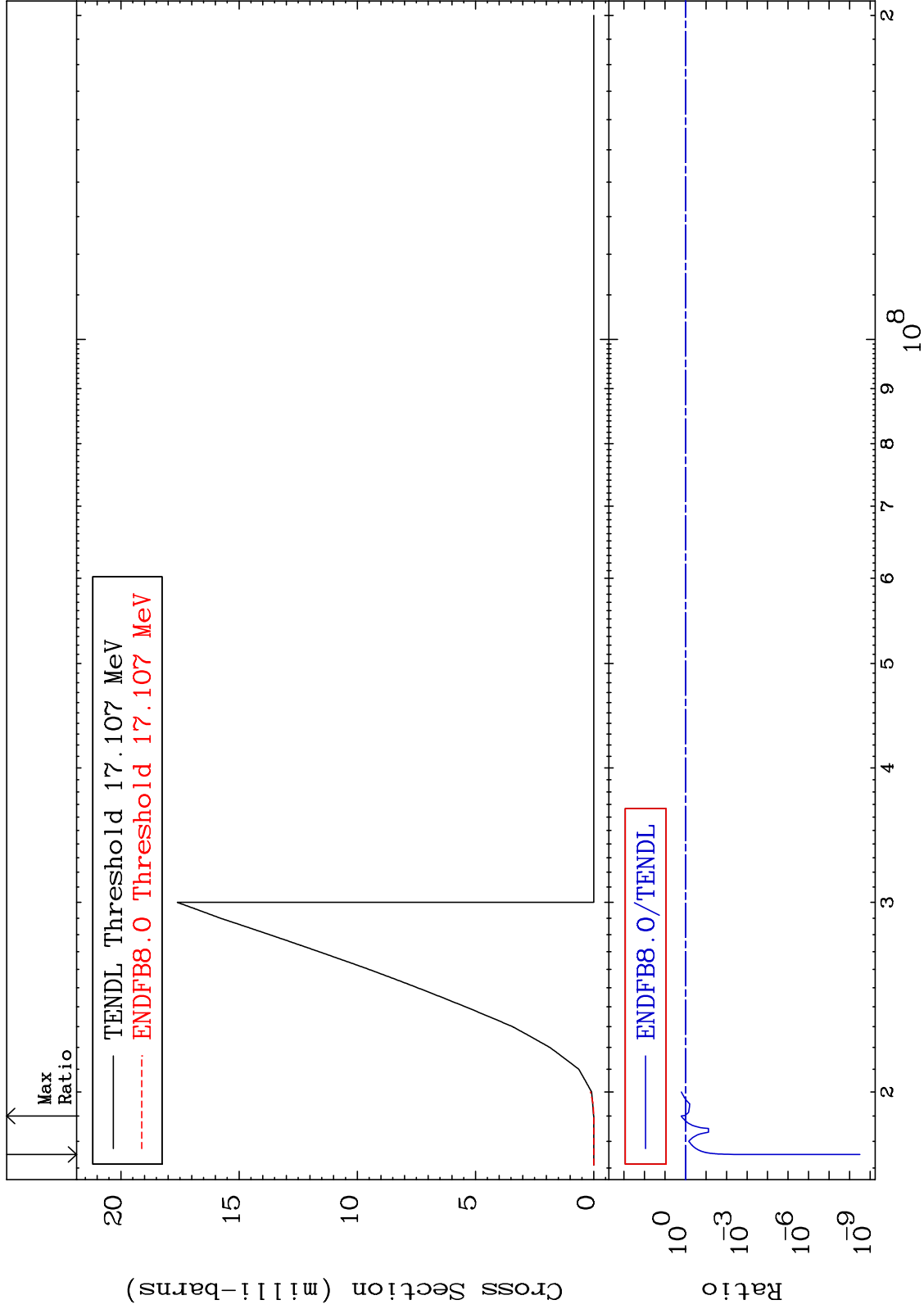
MAT 2328

(n,n') d

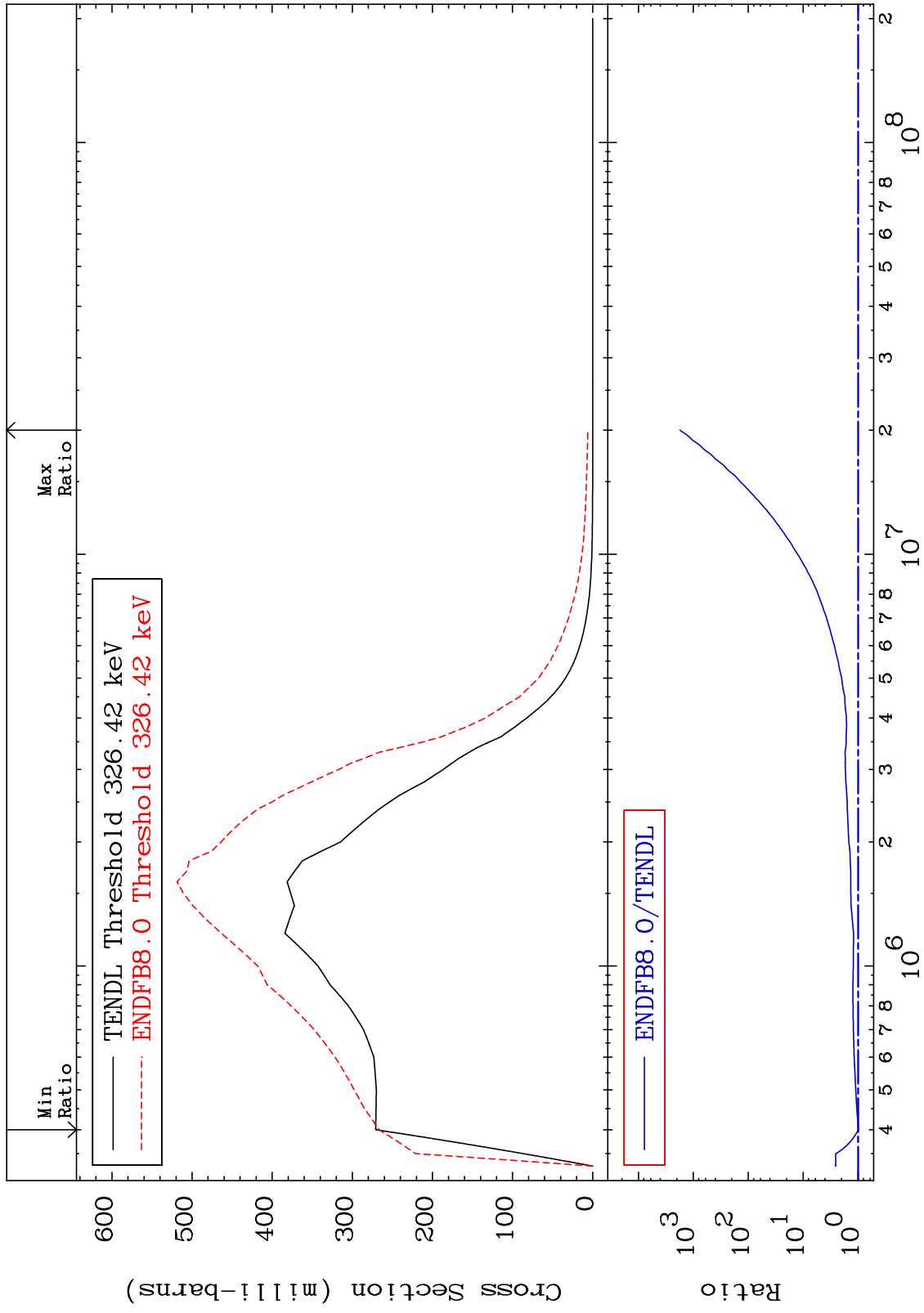
23-V -51

Cross Section

-100.0 To 61.49 %



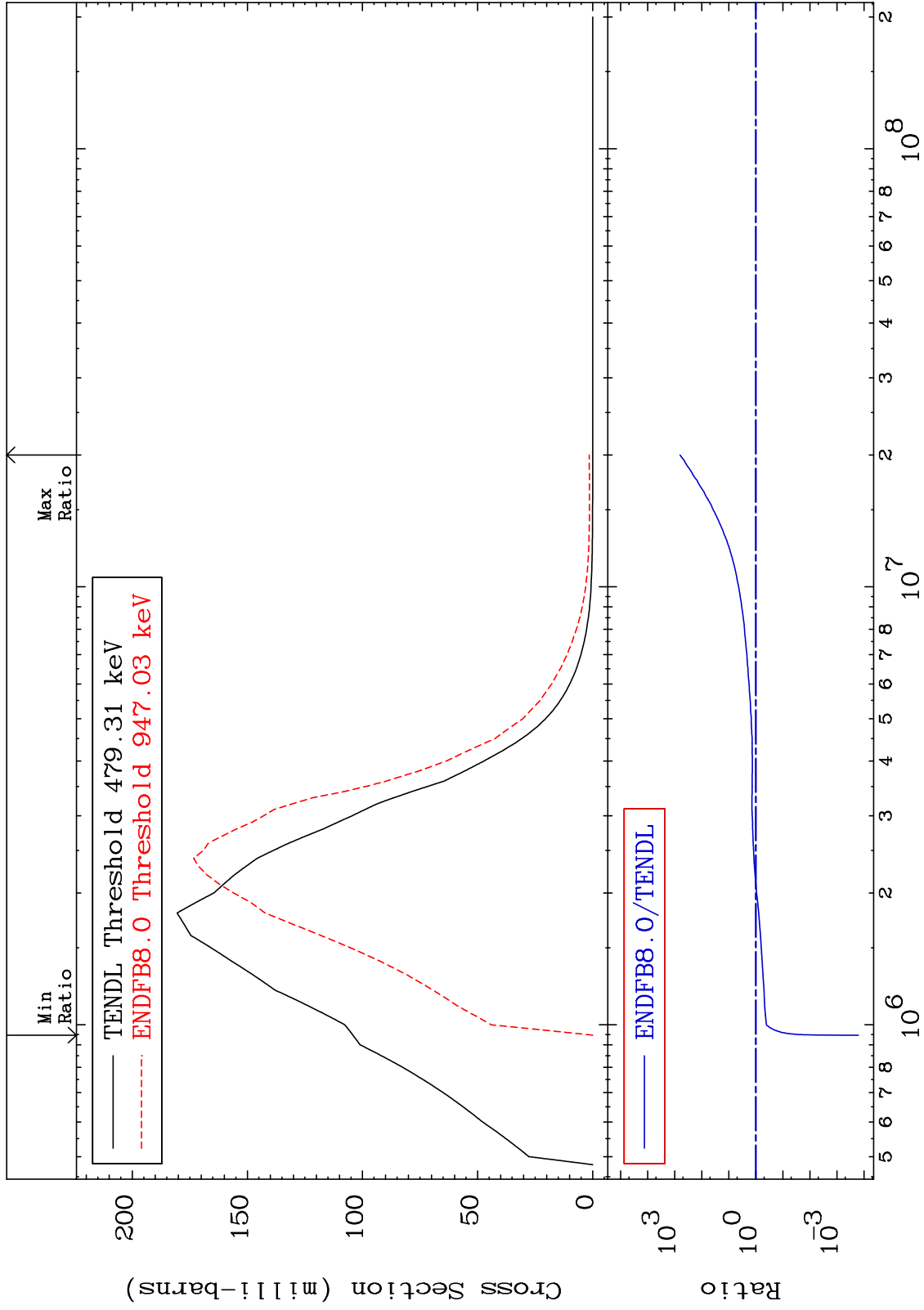
MAT 2328 MT= 51 (n,n') Level Cross Section -1.511 To 9999. % 23-V -51



MAT 2328

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

23-V -51
-99.98 To 9999. %



9

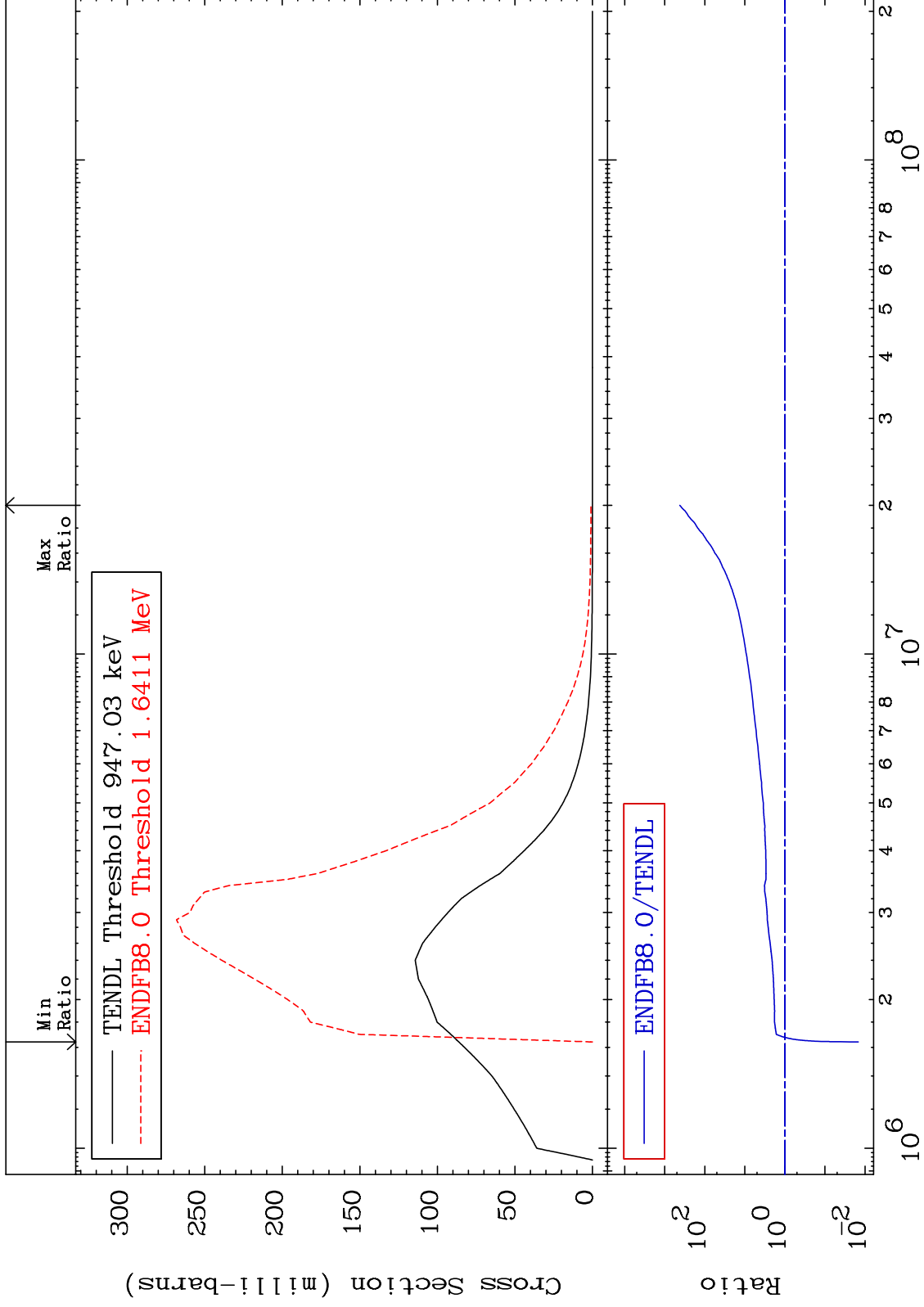
Incident Energy (eV)

23-V -51

MAT 2328

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

23-V -51
-98.53 To 9999. %

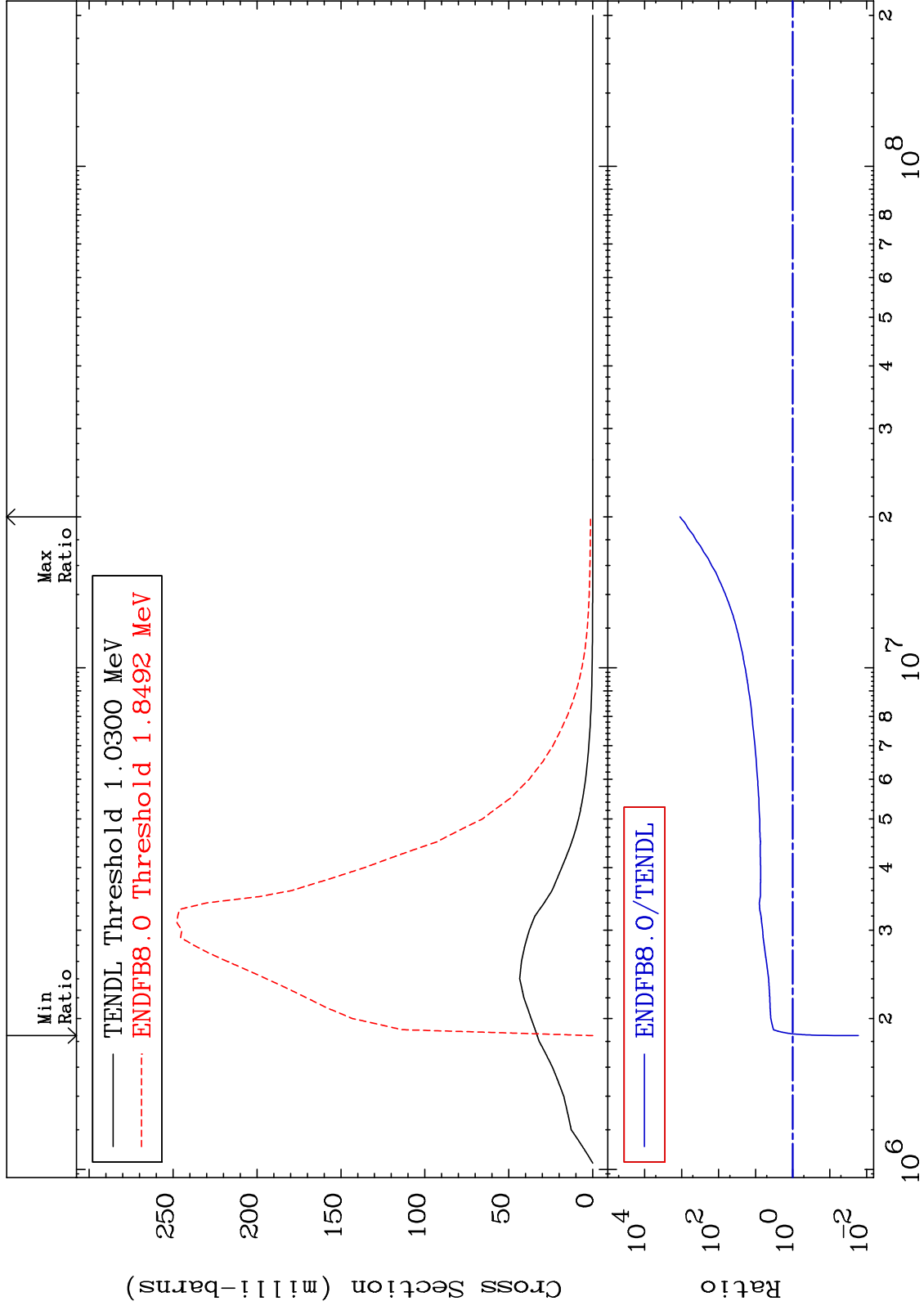


23-V -51

MAT 2328

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

23-V -51
-98.32 To 9999. %



11

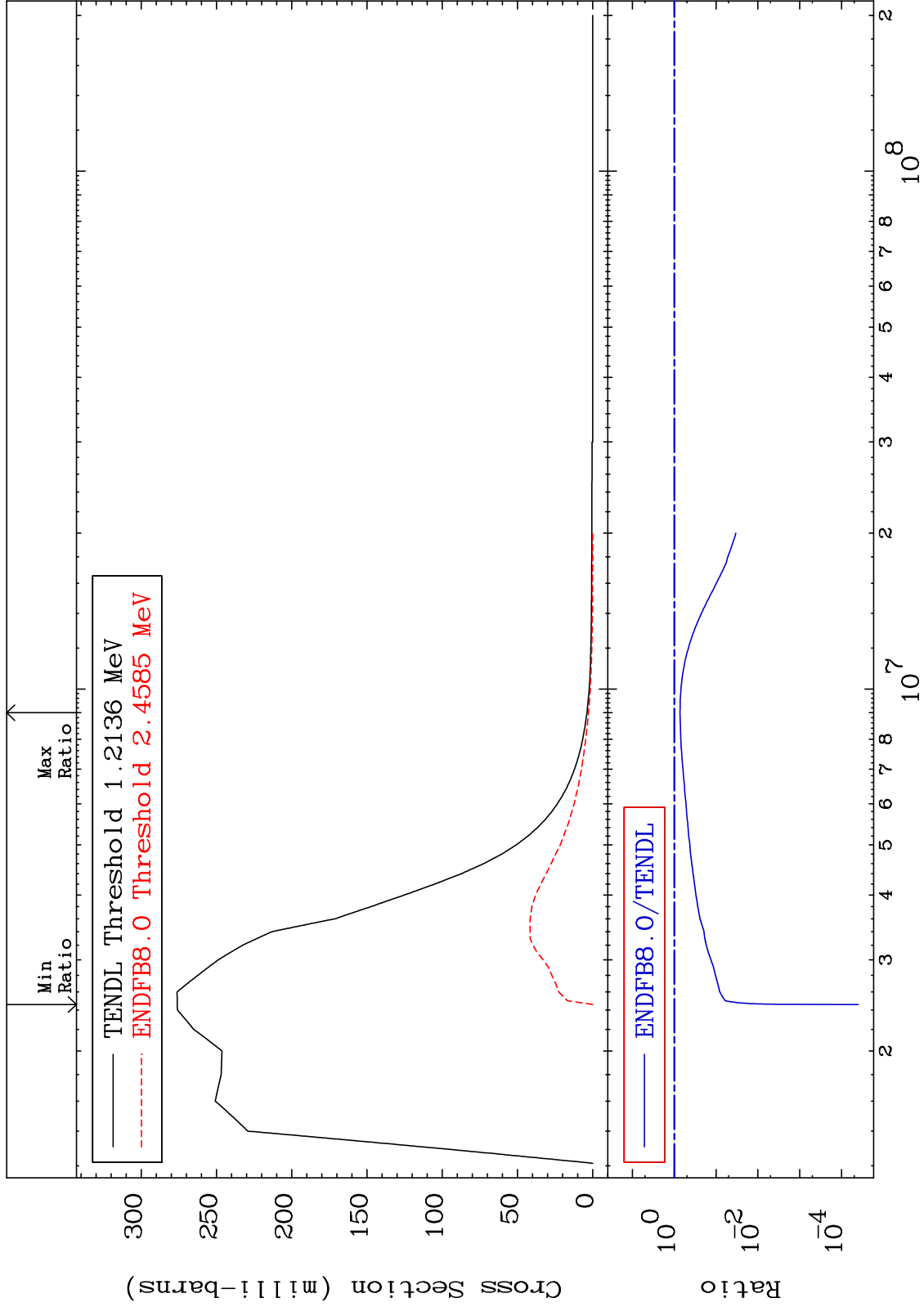
Incident Energy (eV)

23-V -51

MAT 2328

MT= 55 (n,n') Level
Cross Section

23-V -51
-100.0 To -27.26%



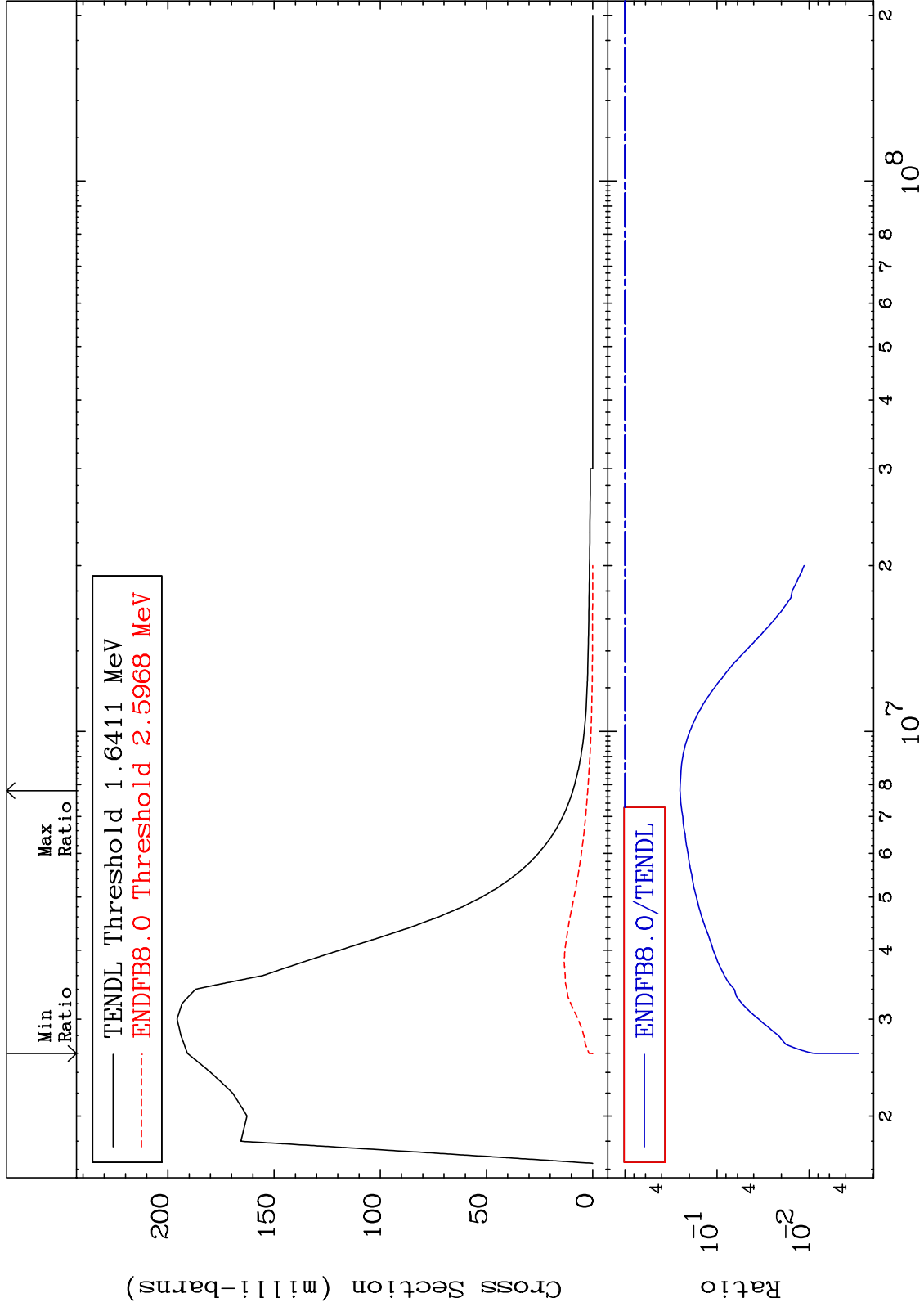
12

23-V -51

MAT 2328

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

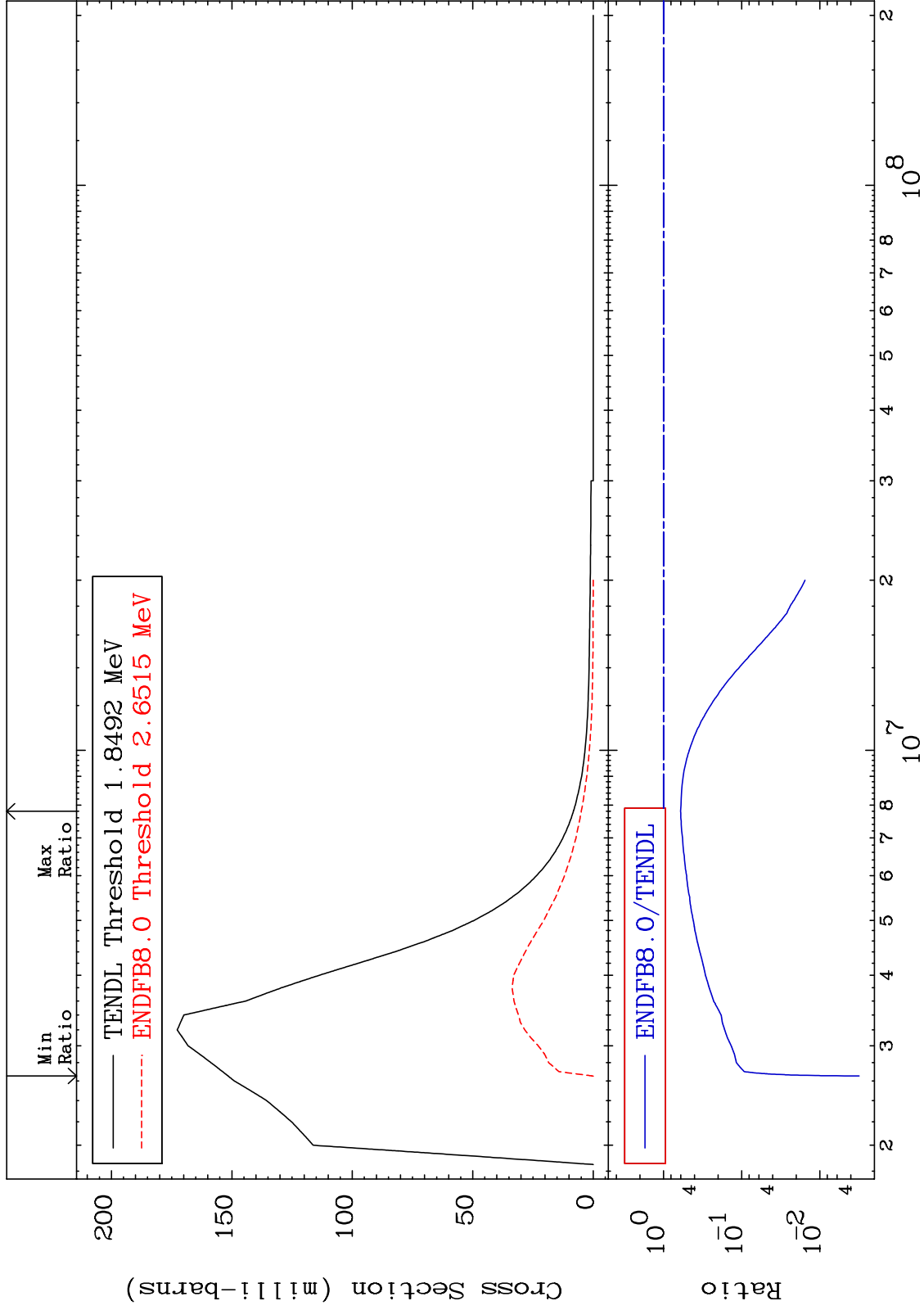
23-V -51
-99.71 To -74.75%



MAT 2328

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

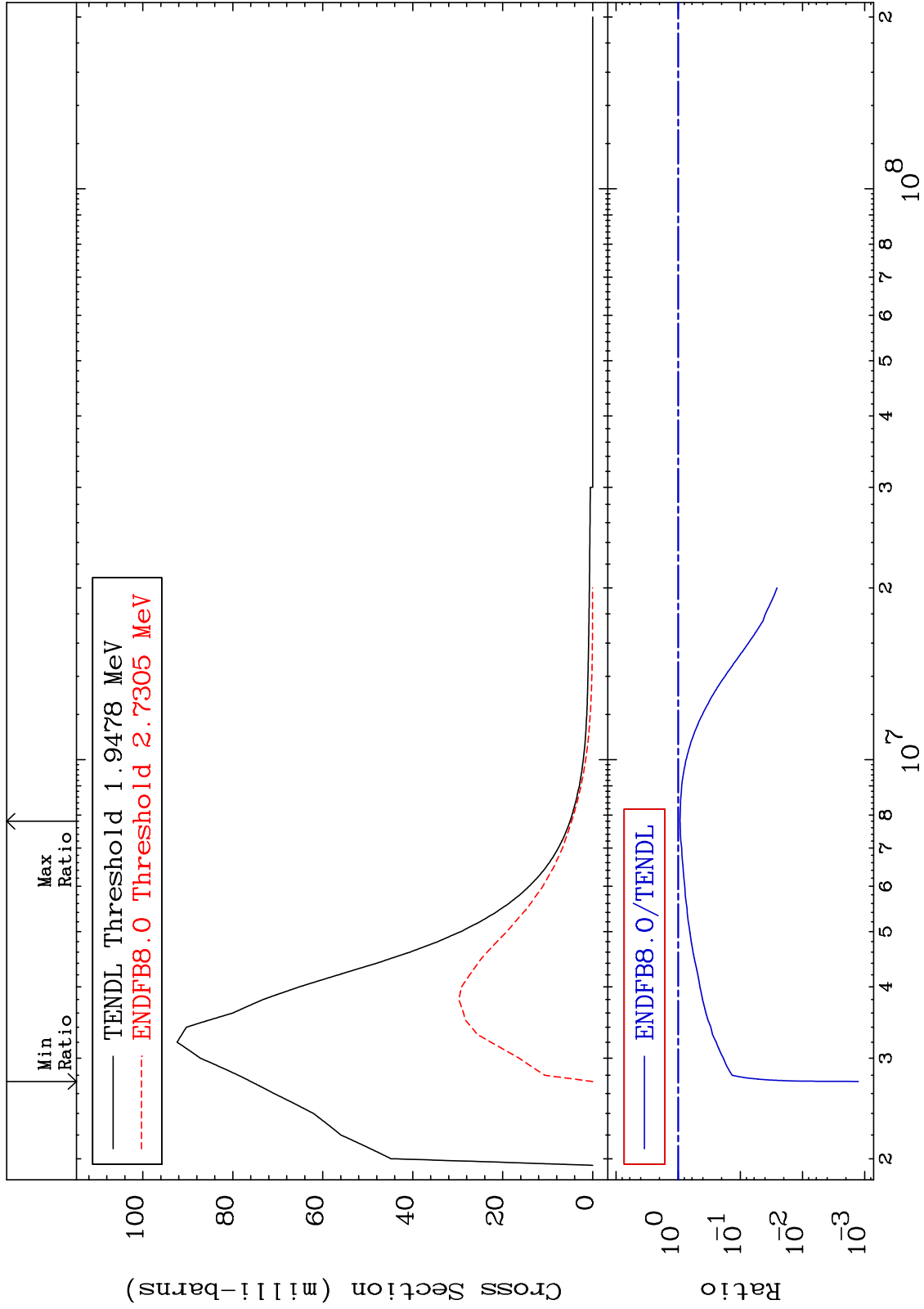
23-V -51
-99.69 To -39.73%



MAT 2328

MT= 58 (n,n') Level
Cross Section

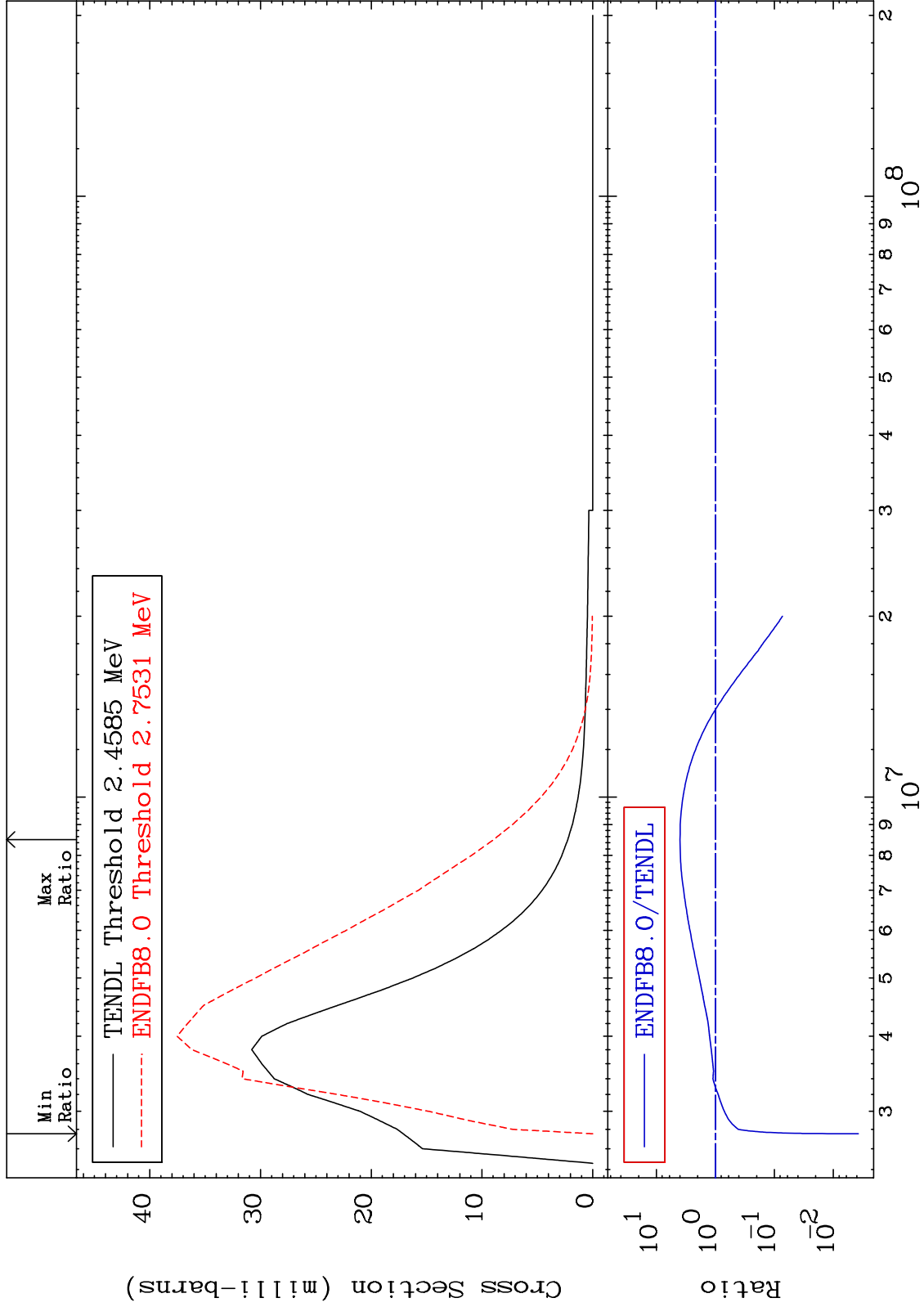
23-V -51
-99.87 To -6.553%



MAT 2328

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

23-V -51
-99.62 To 298.0 %



16

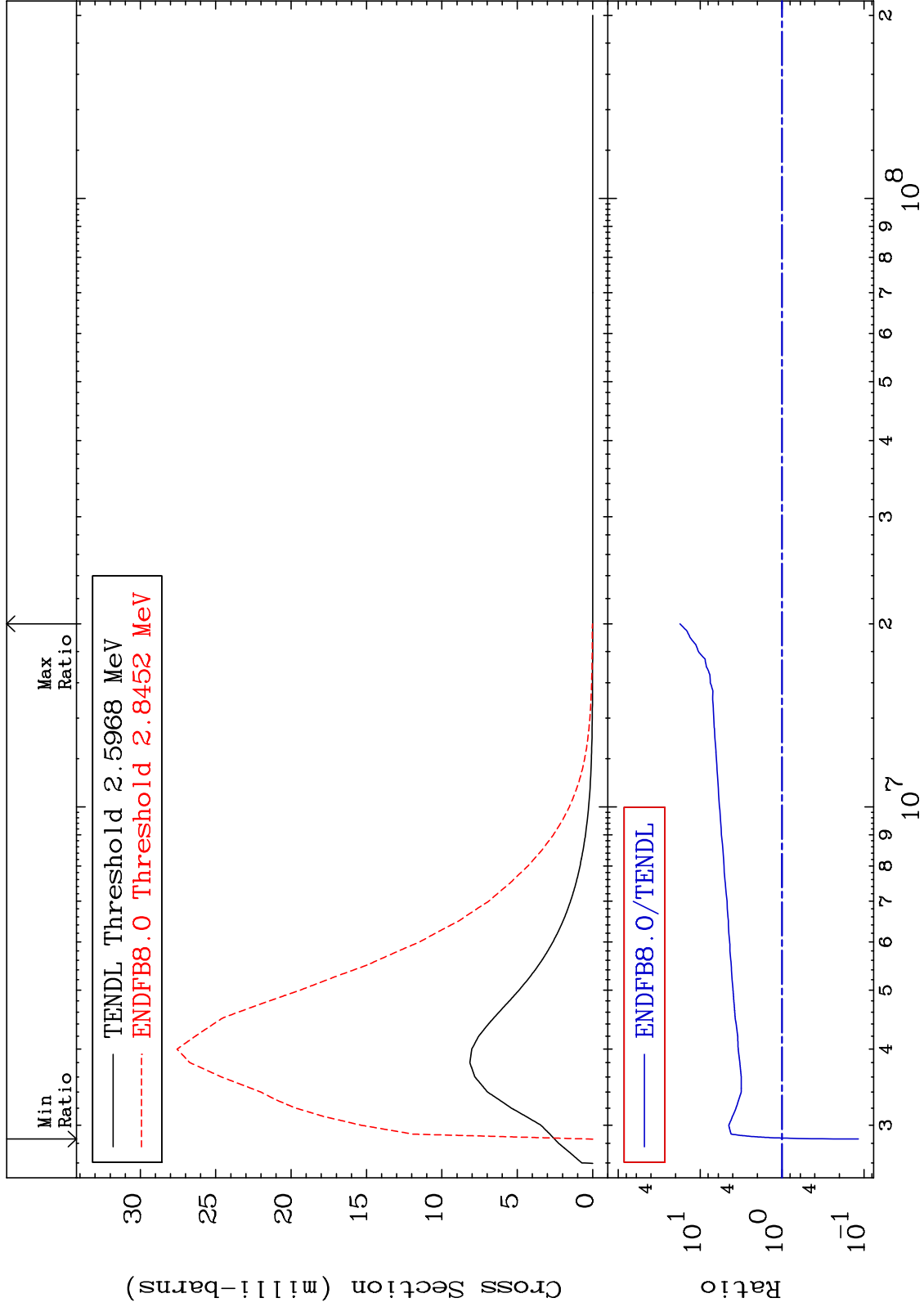
Incident Energy (eV)

23-V -51

MAT 2328

MT= 60 (n,n') Level
Cross Section

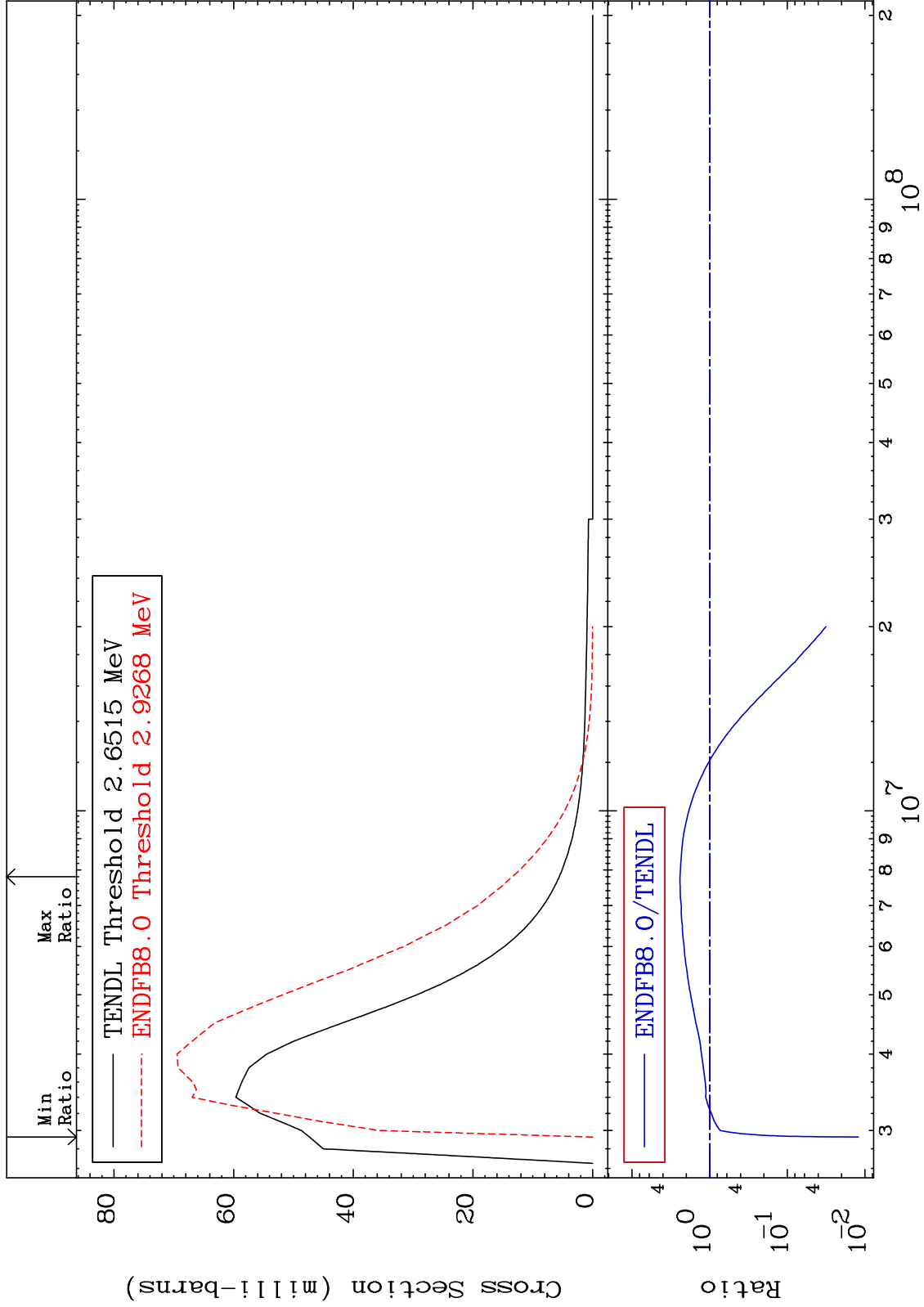
23-V -51
-88.31 To 1662. %



MAT 2328

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

23-V -51
-98.79 To 141.0 %



18

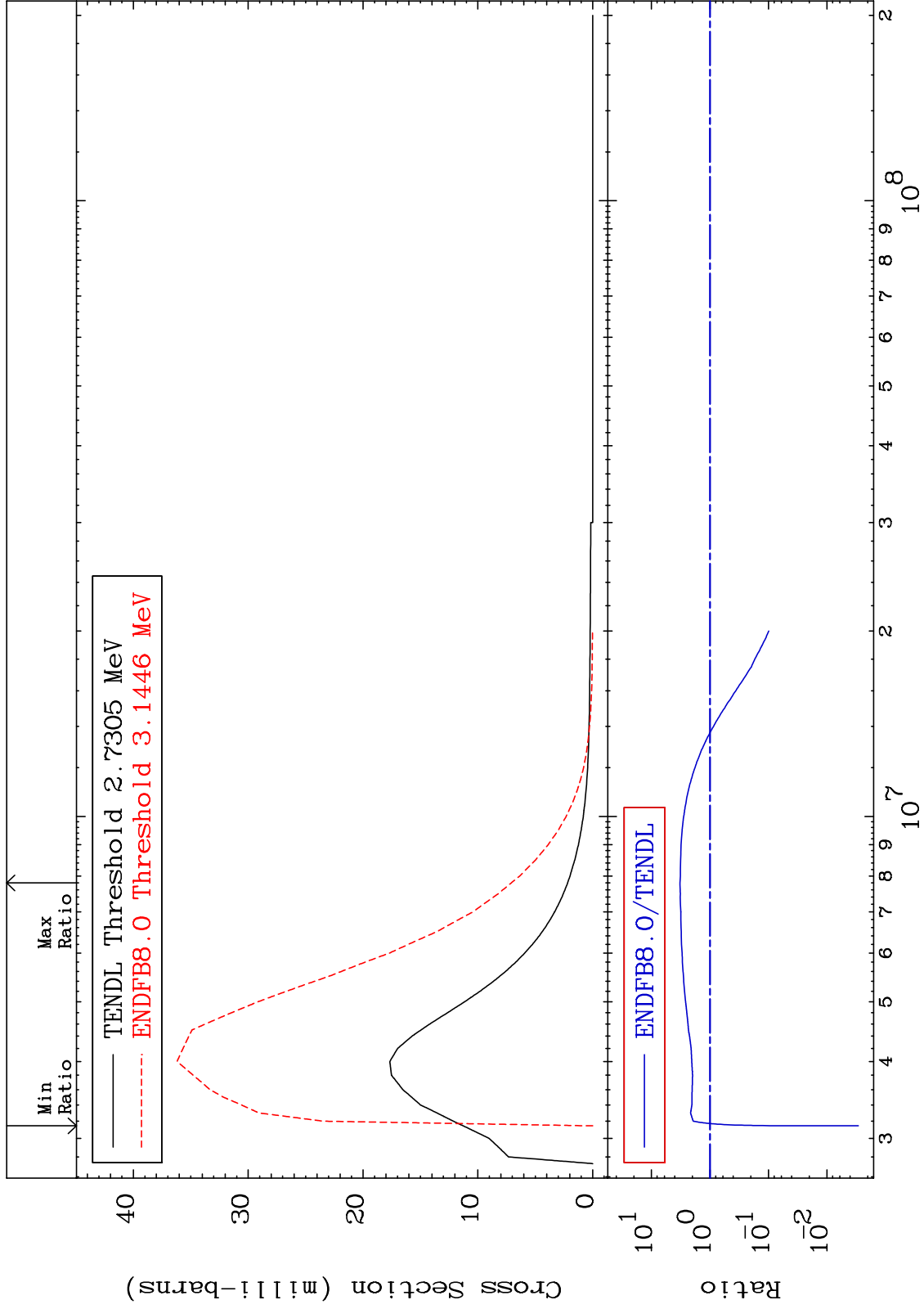
Incident Energy (eV)

23-V -51

MAT 2328

MT= 62 (n,n') Level
Cross Section

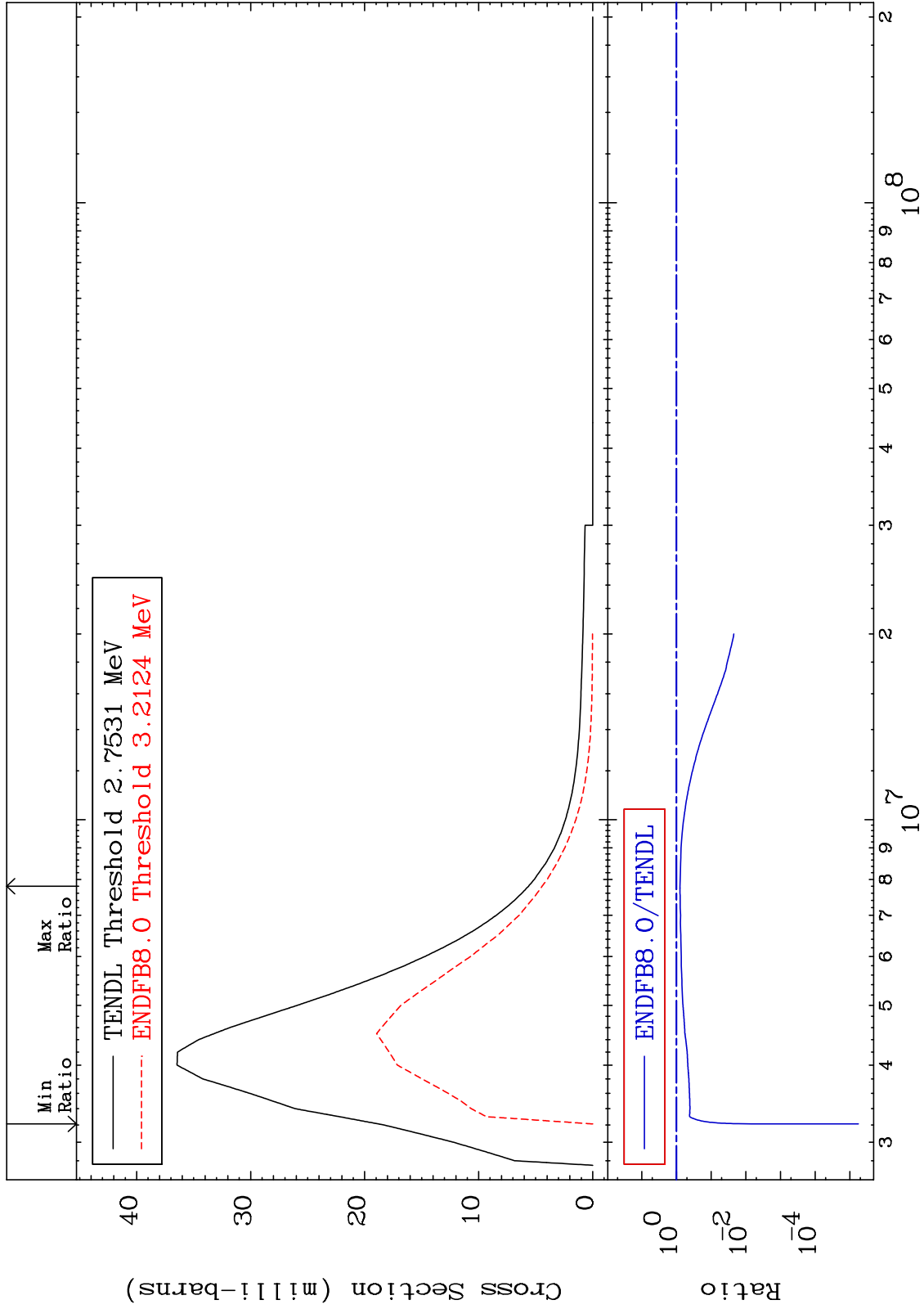
23-V -51
-99.71 To 225.0 %



MAT 2328

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

23-V -51
-100.0 To -21.21%



20

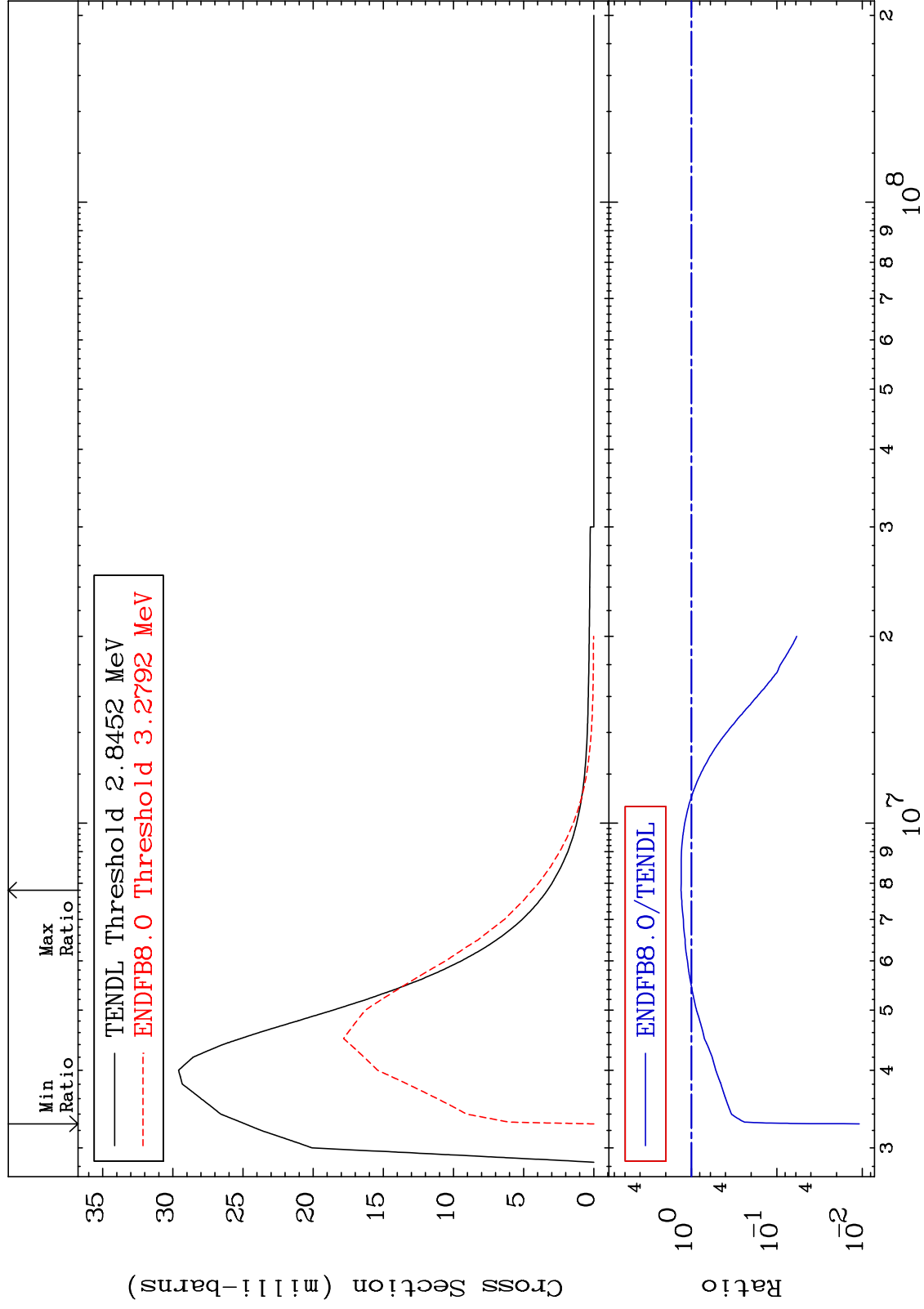
Incident Energy (eV)

23-V -51

MAT 2328

MT= 64 (n,n') Level
Cross Section

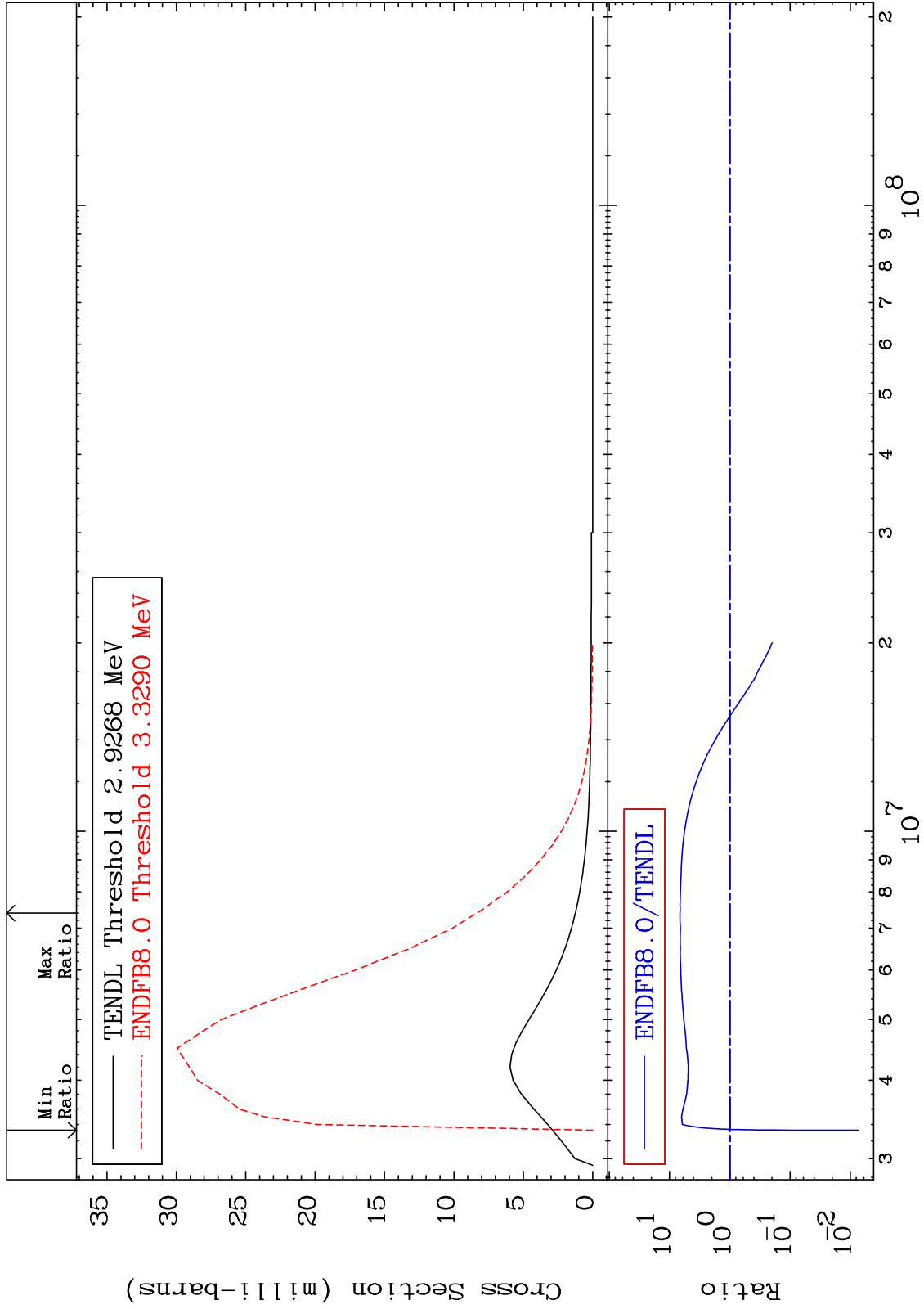
23-V -51
-98.91 To 32.68 %



MAT 2328

MT= 65 (n,n') Level
Cross Section

23-V -51
-99.26 To 571.0 %



22

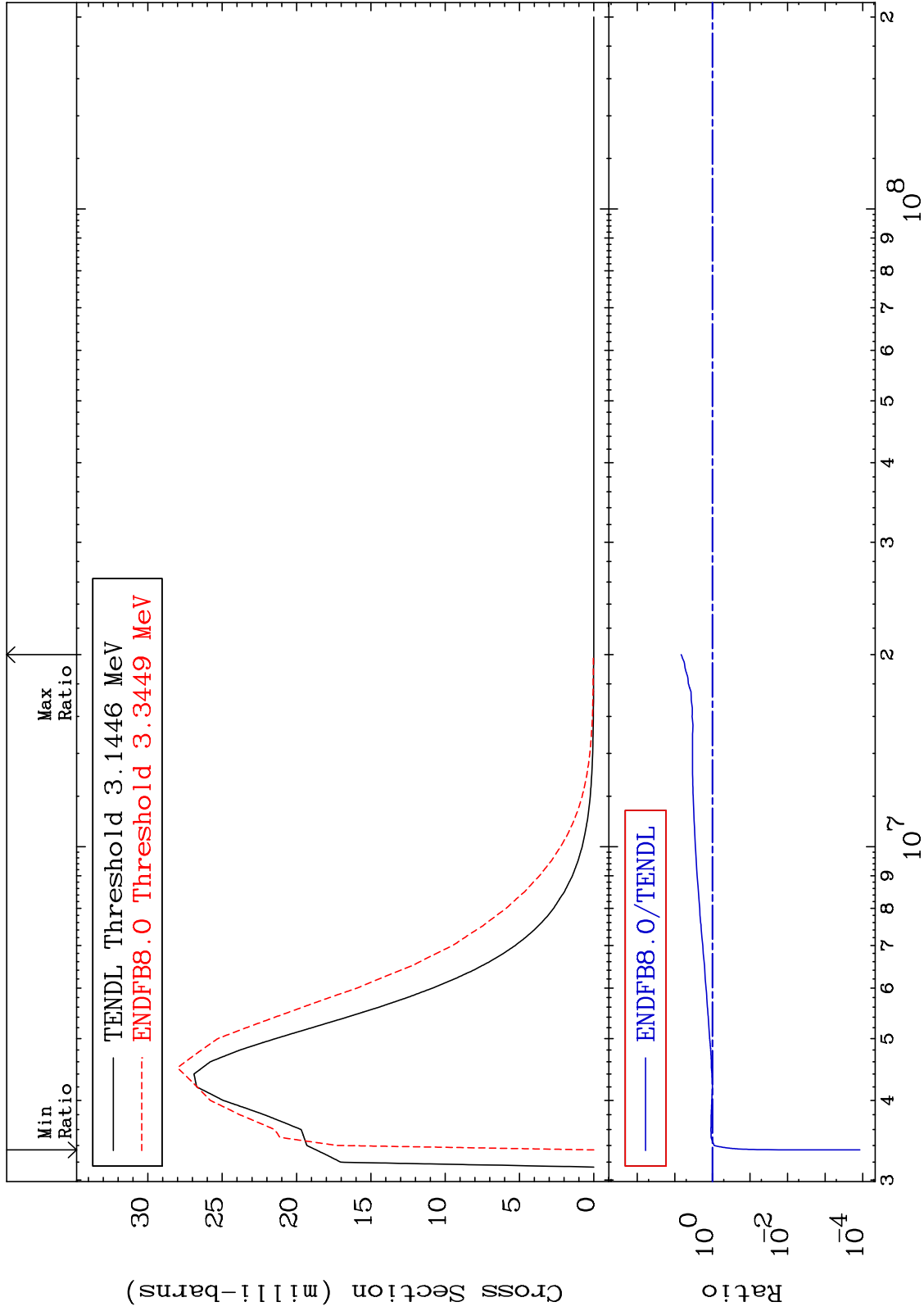
Incident Energy (eV)

23-V -51

MAT 2328

MT= 66 (n,n') Level
Cross Section

23-V -51
-99.99 To 574.8 %



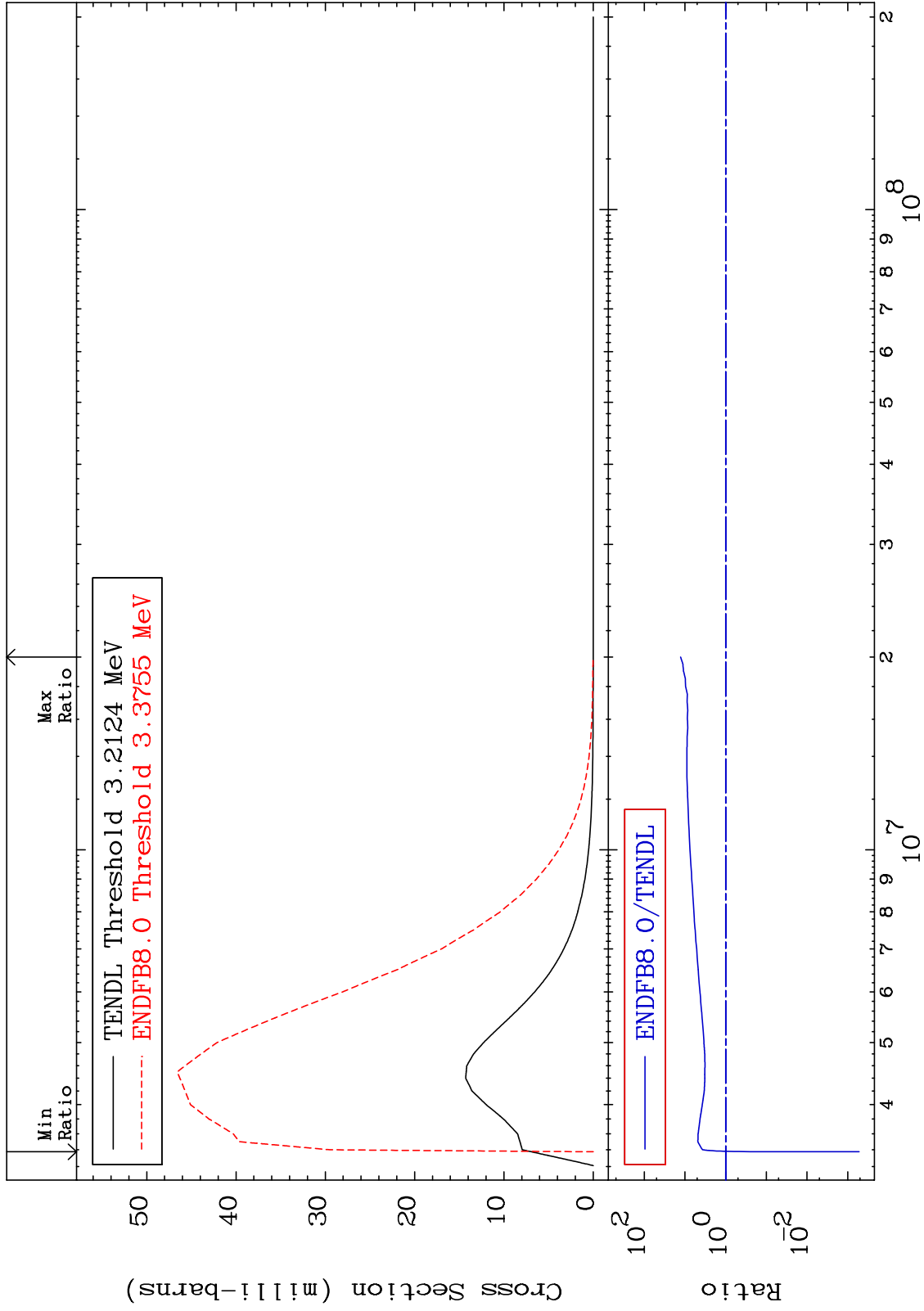
23

23-V -51

MAT 2328

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

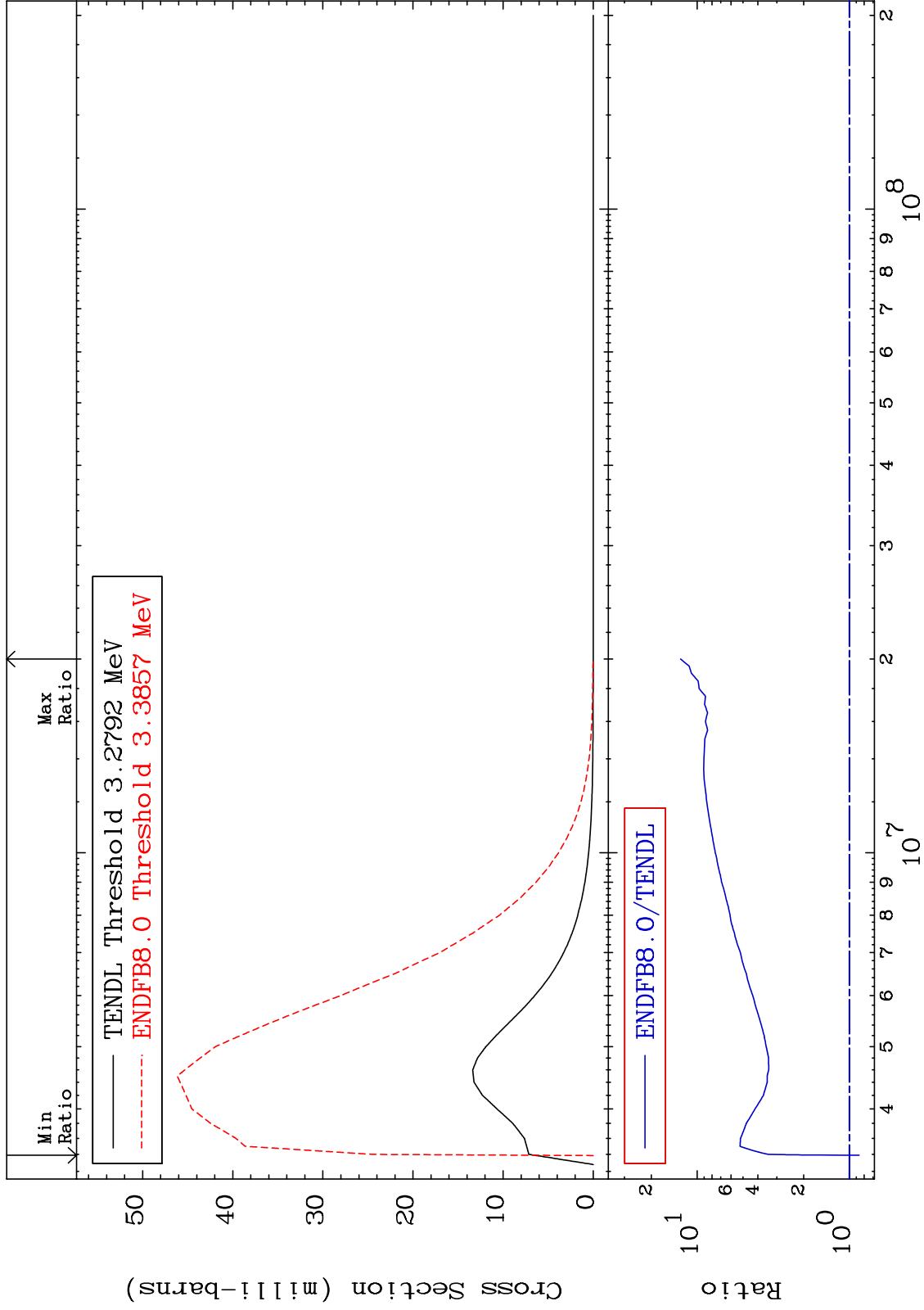
23-V -51
-99.95 To 1181. %



MAT 2328

MT= 68 (n,n') Level
Cross Section

23-V -51
-13.73 To 1184. %



25

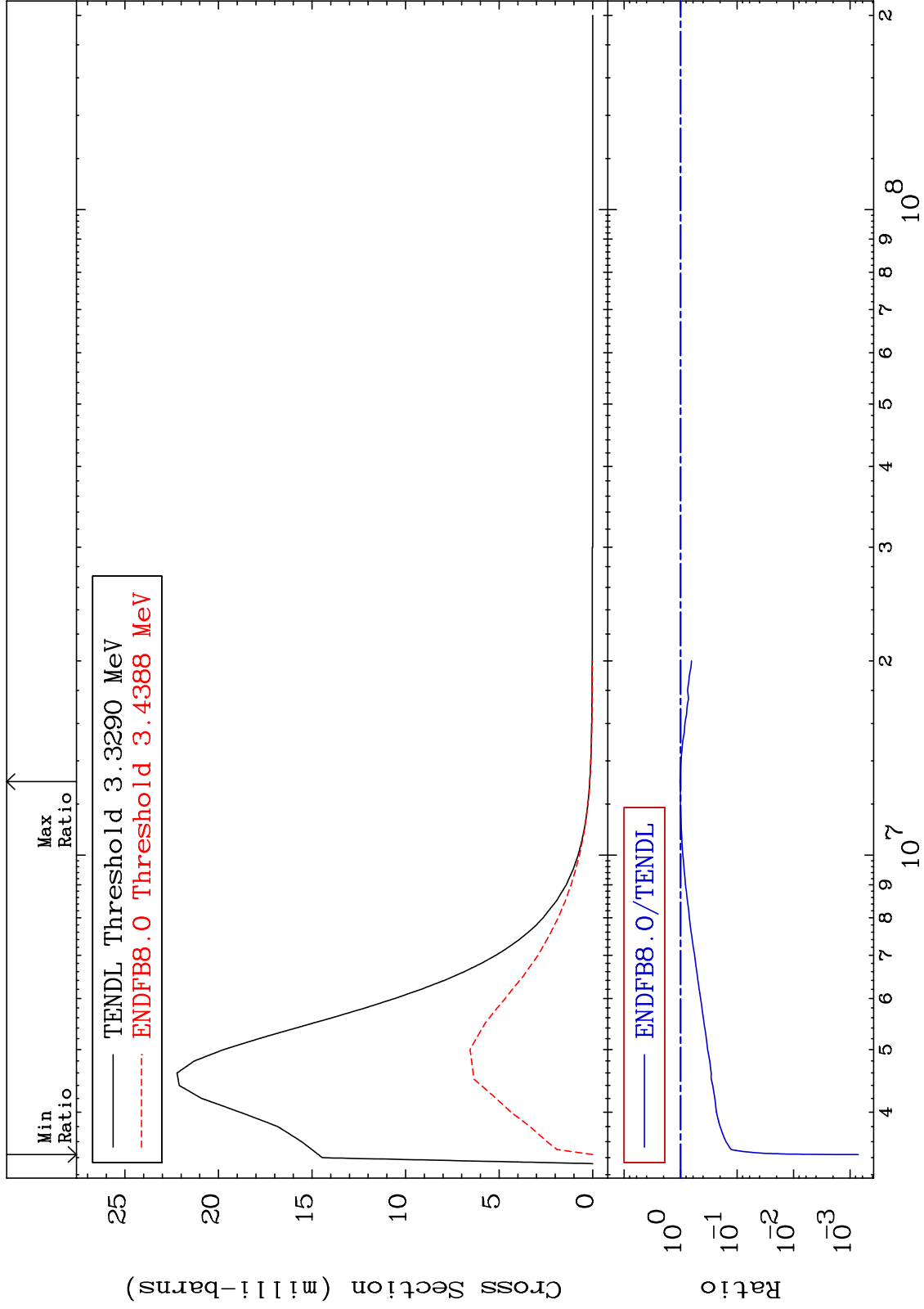
Incident Energy (eV)

23-V -51

MAT 2328

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

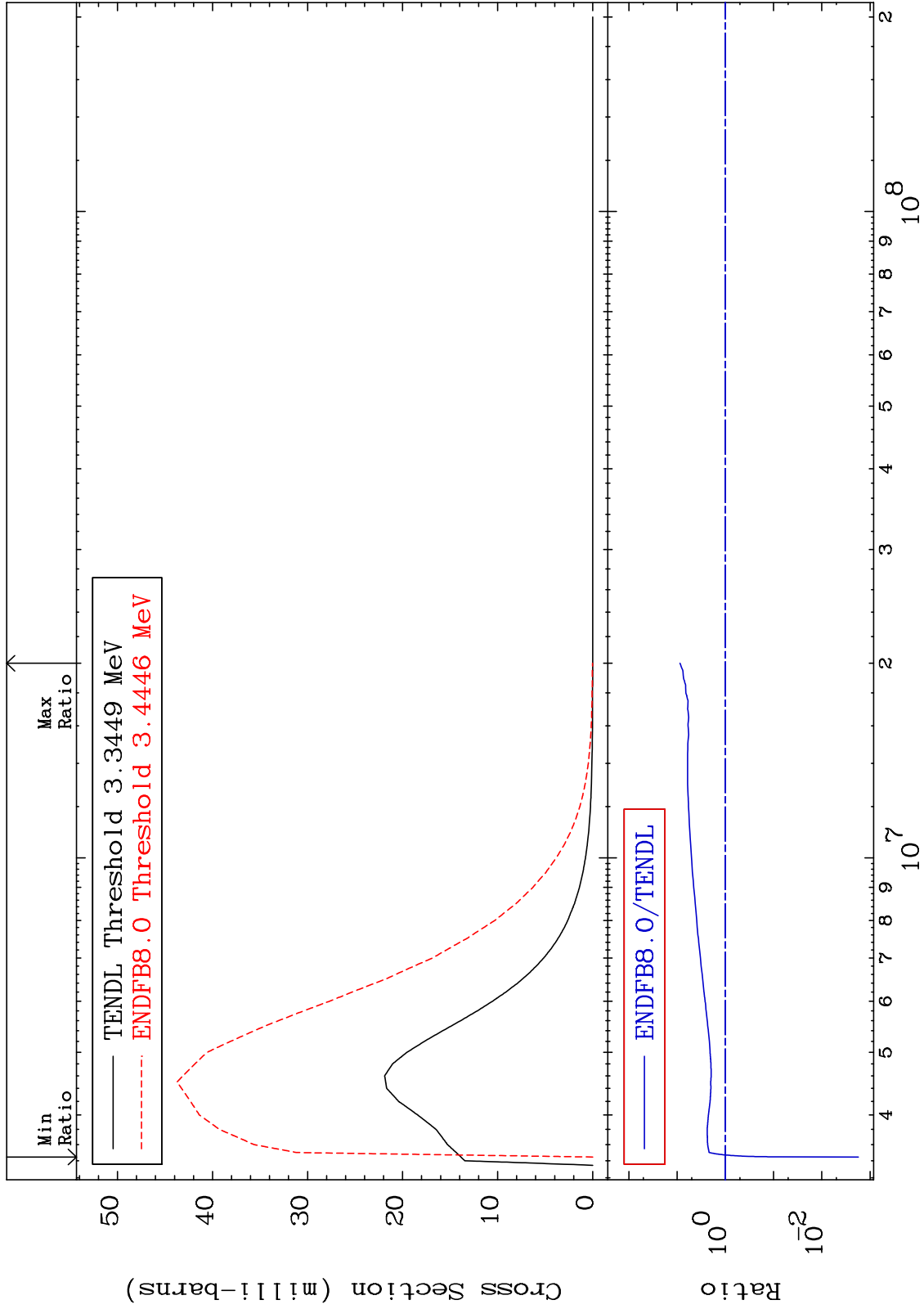
23-V -51
-99.93 To 2.193 %



MAT 2328

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

23-V -51
-99.83 To 770.2 %



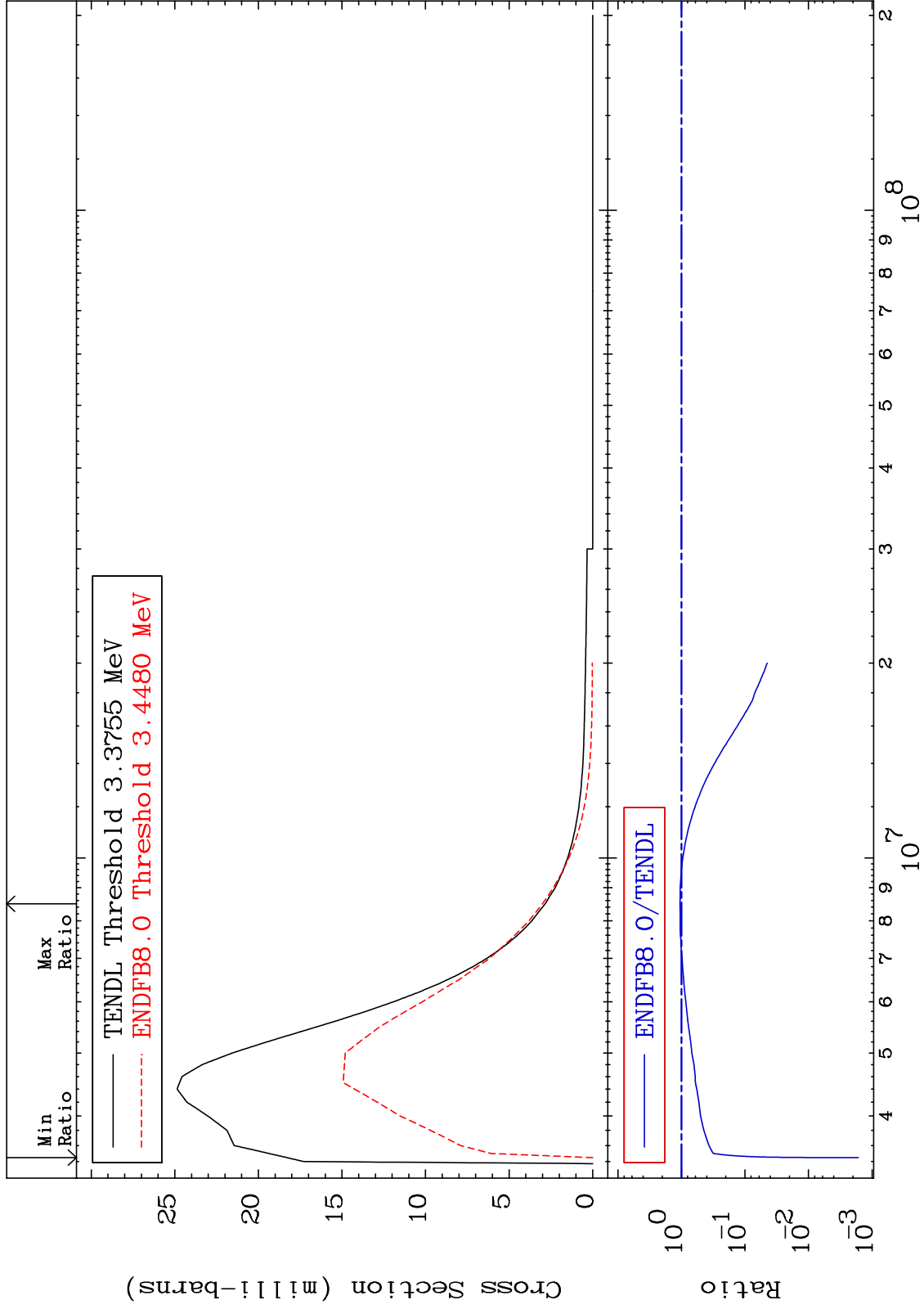
27

23-V -51

MAT 2328

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

23-V -51
-99.84 To 5.257 %



28

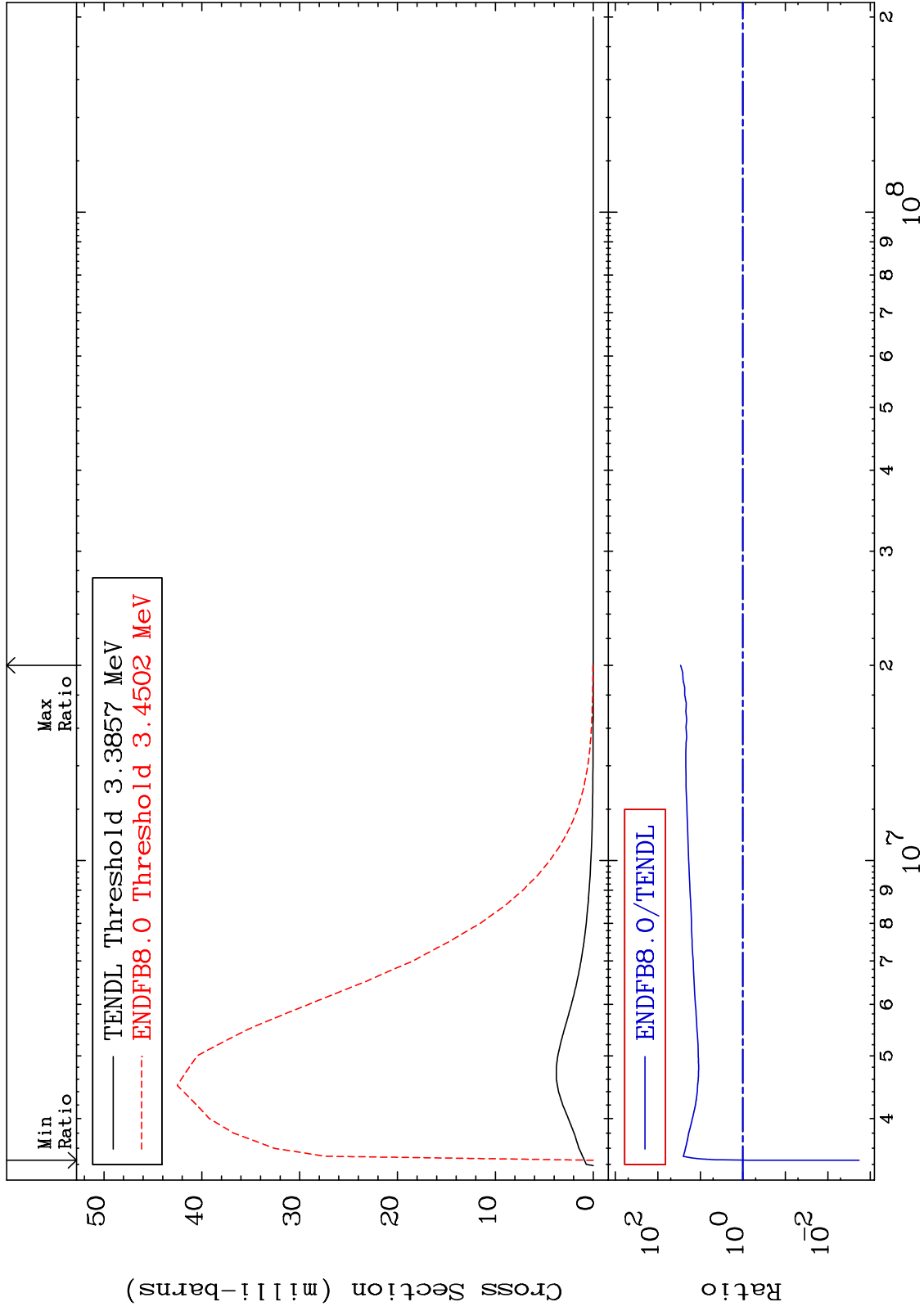
Incident Energy (eV)

23-V -51

MAT 2328

MT= 72 (n,n') Level
Cross Section

23-V -51
-99.82 To 2809. %



29

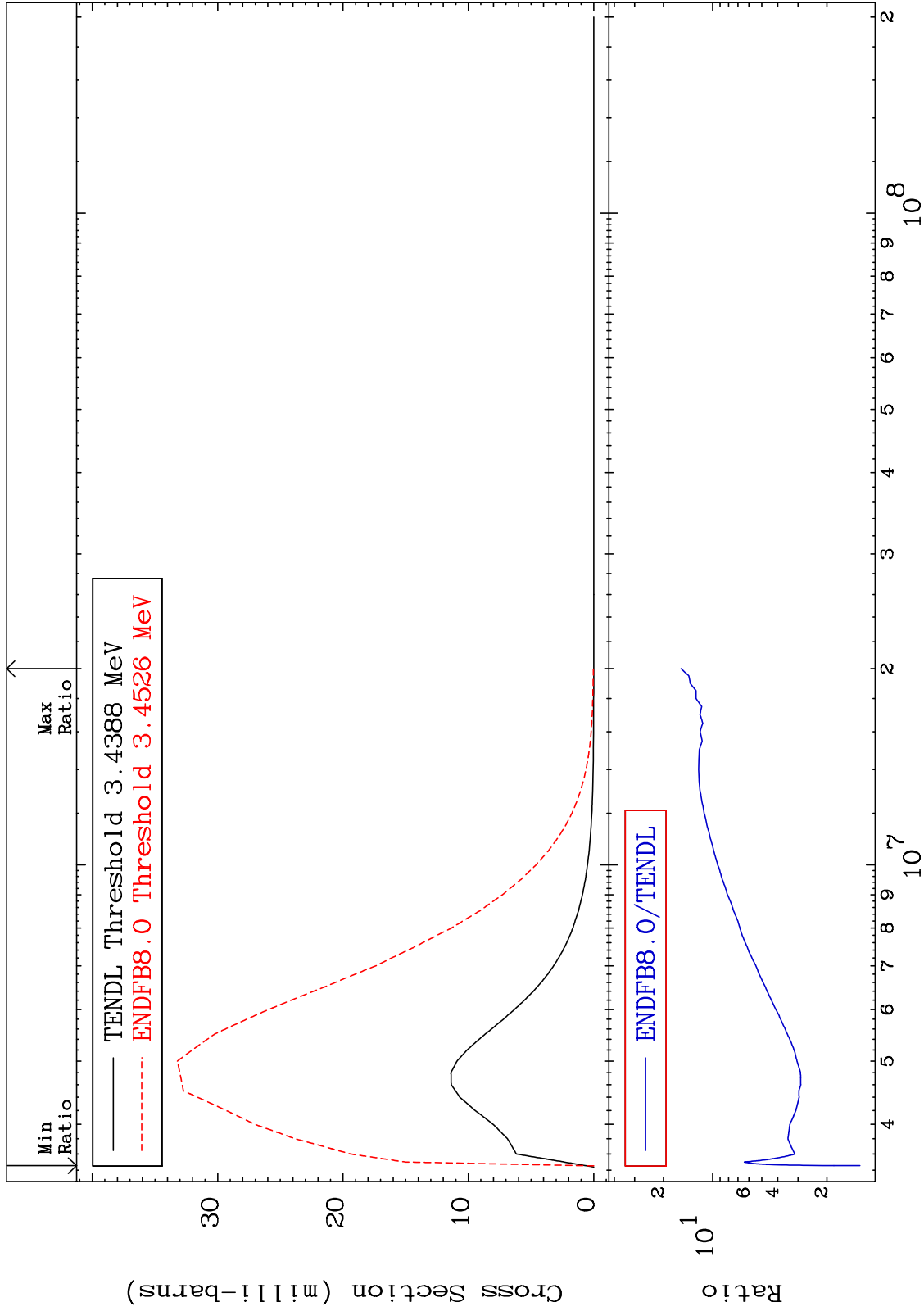
Incident Energy (eV)

23-V -51

MAT 2328

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

23-V -51
25.53 To 1457. %



30

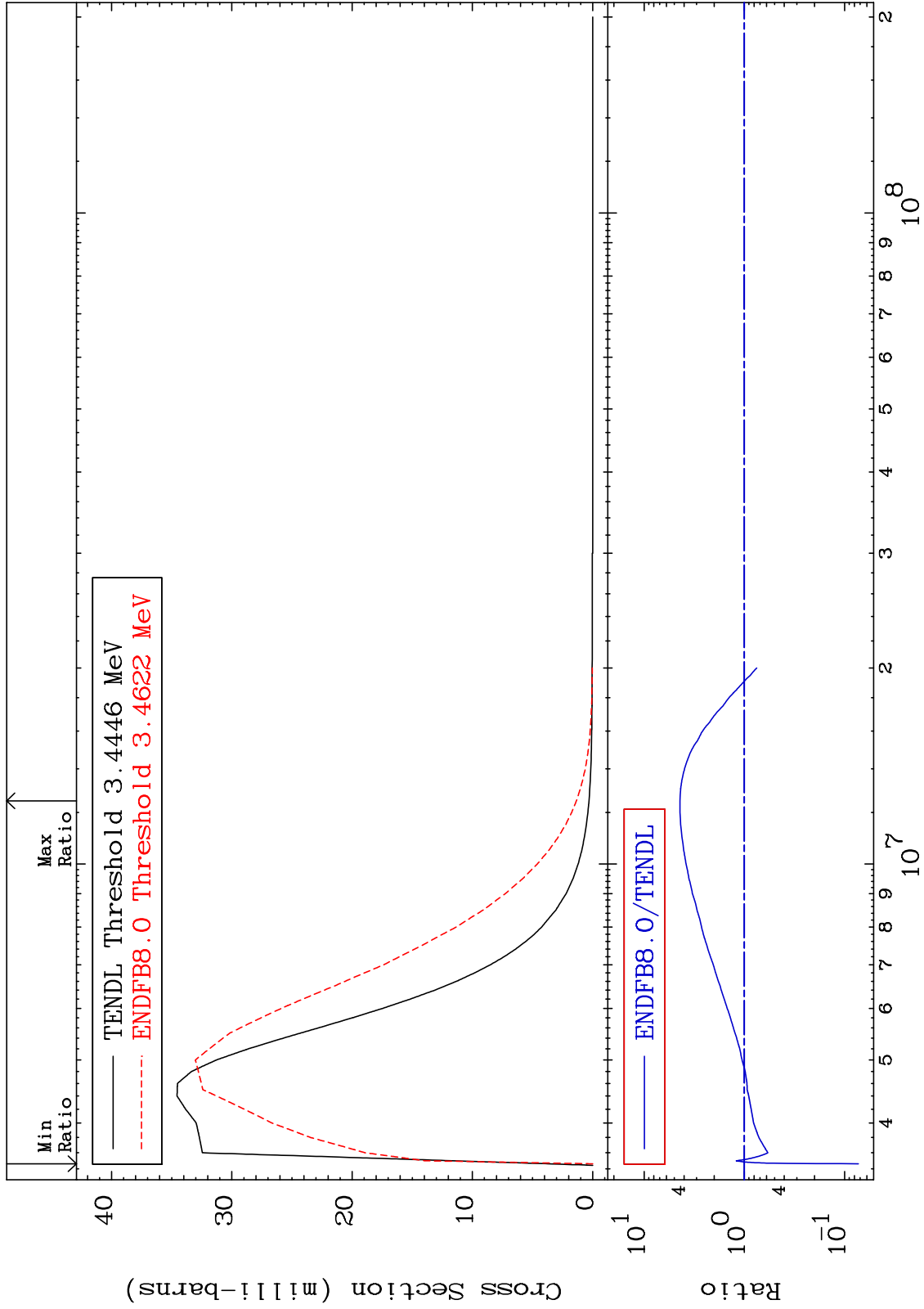
Incident Energy (eV)

23-V -51

MAT 2328

MT= 74 (n,n') Level
Cross Section

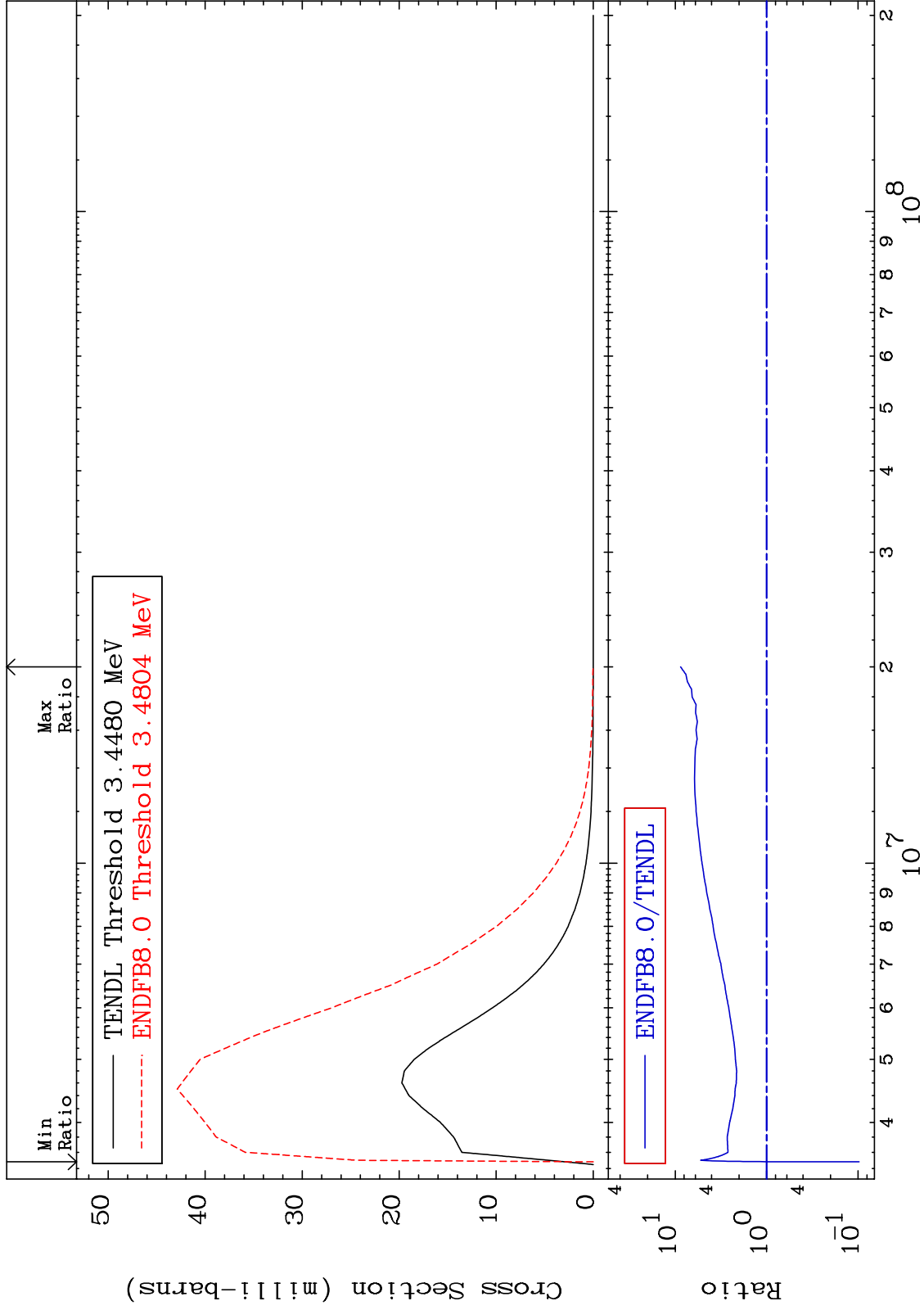
23-V -51
-92.71 To 338.4 %



MAT 2328

MT= 75 (n,n') Level
Cross Section

23-V -51
-90.27 To 772.6 %



32

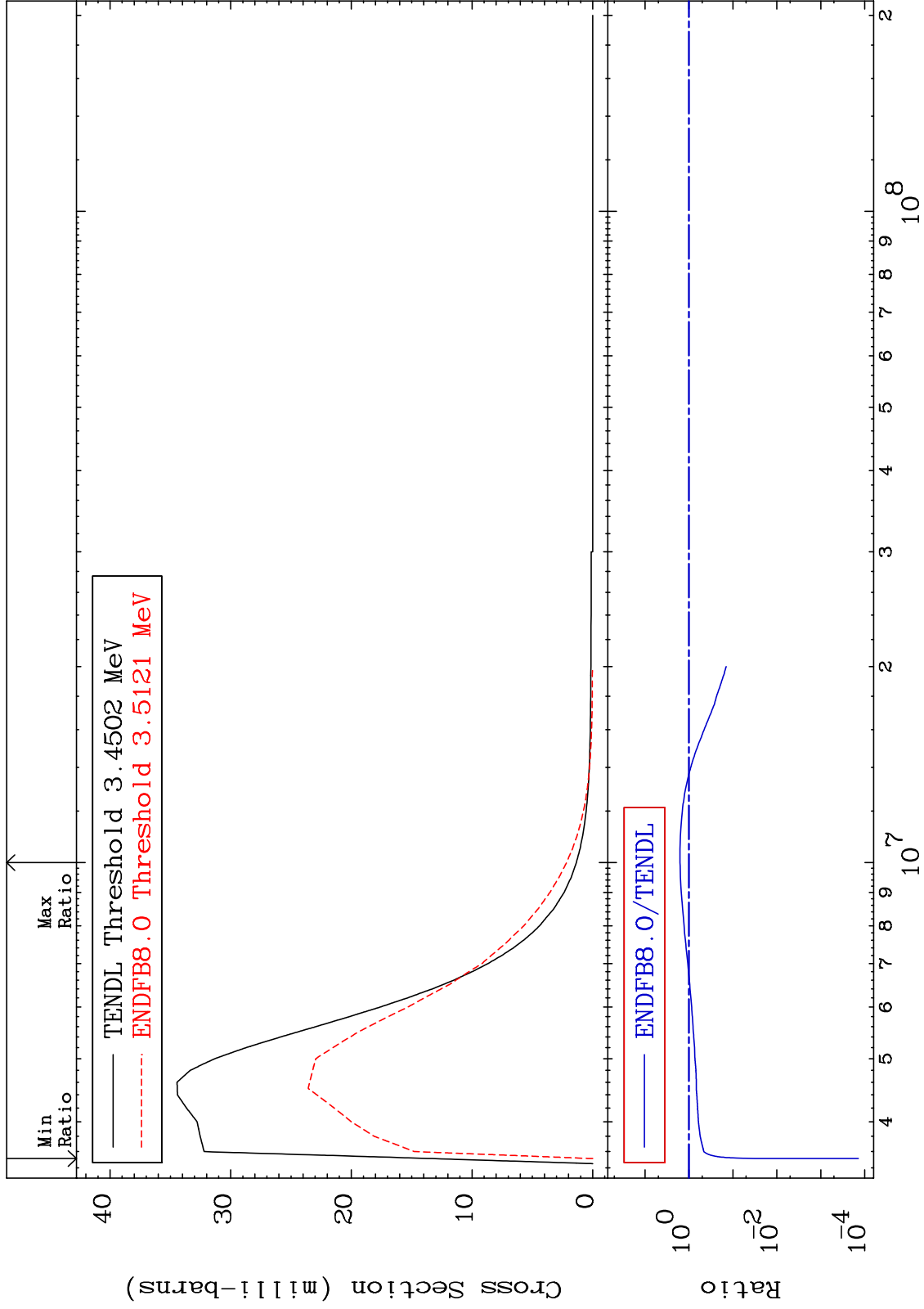
Incident Energy (eV)

23-V -51

MAT 2328

MT= 76 (n,n') Level
Cross Section

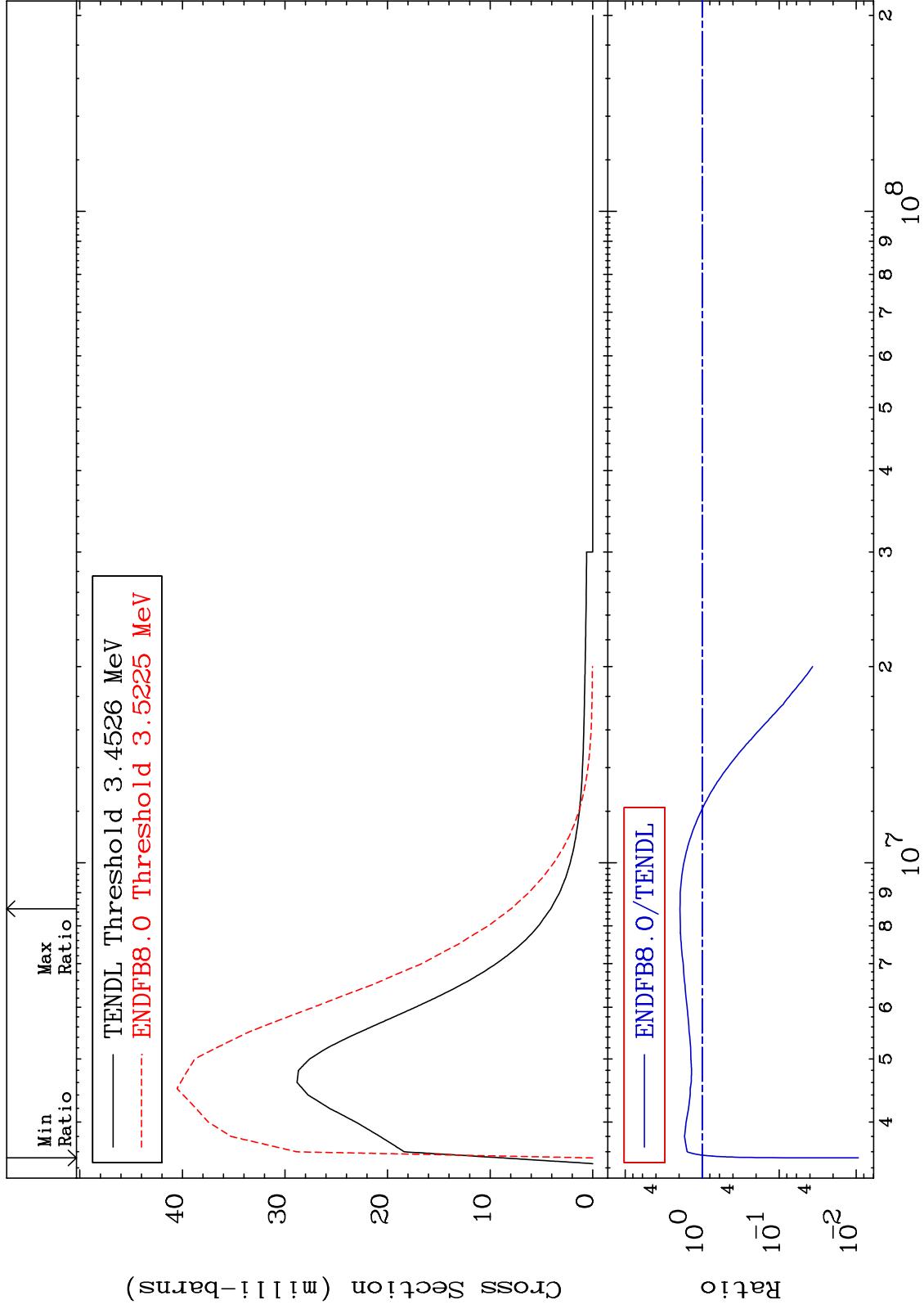
23-V -51
-99.99 To 59.96 %



MAT 2328

MT= 77 (n,n') Level
Cross Section

23-V -51
-99.06 To 94.52 %



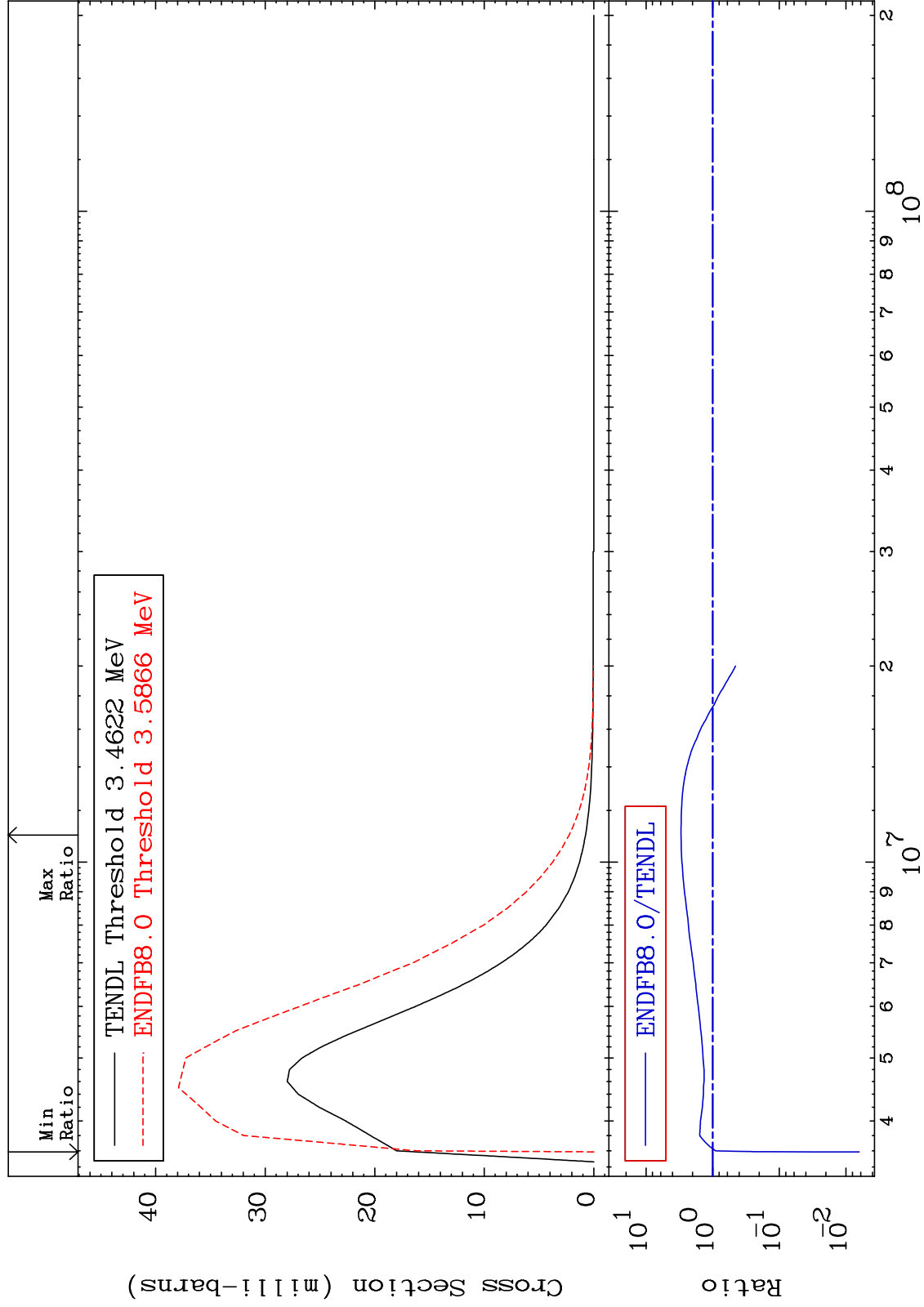
34

23-V -51

MAT 2328

MT= 78 (n,n') Level
Cross Section

23-V -51
-99.37 To 198.3 %



35

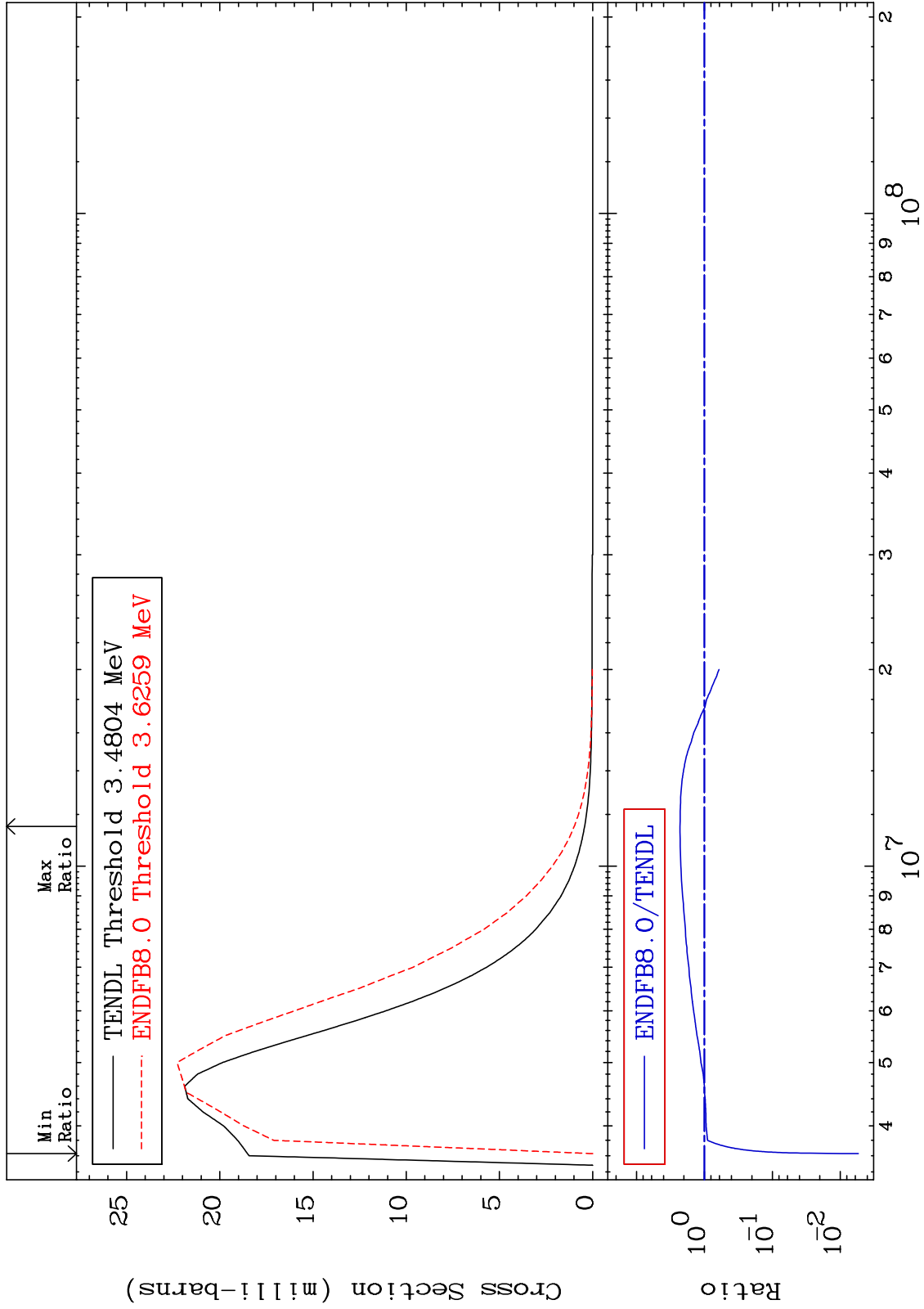
Incident Energy (eV)

23-V -51

MAT 2328

MT= 79 (n,n') Level
Cross Section

23-V -51
-99.46 To 128.6 %



36

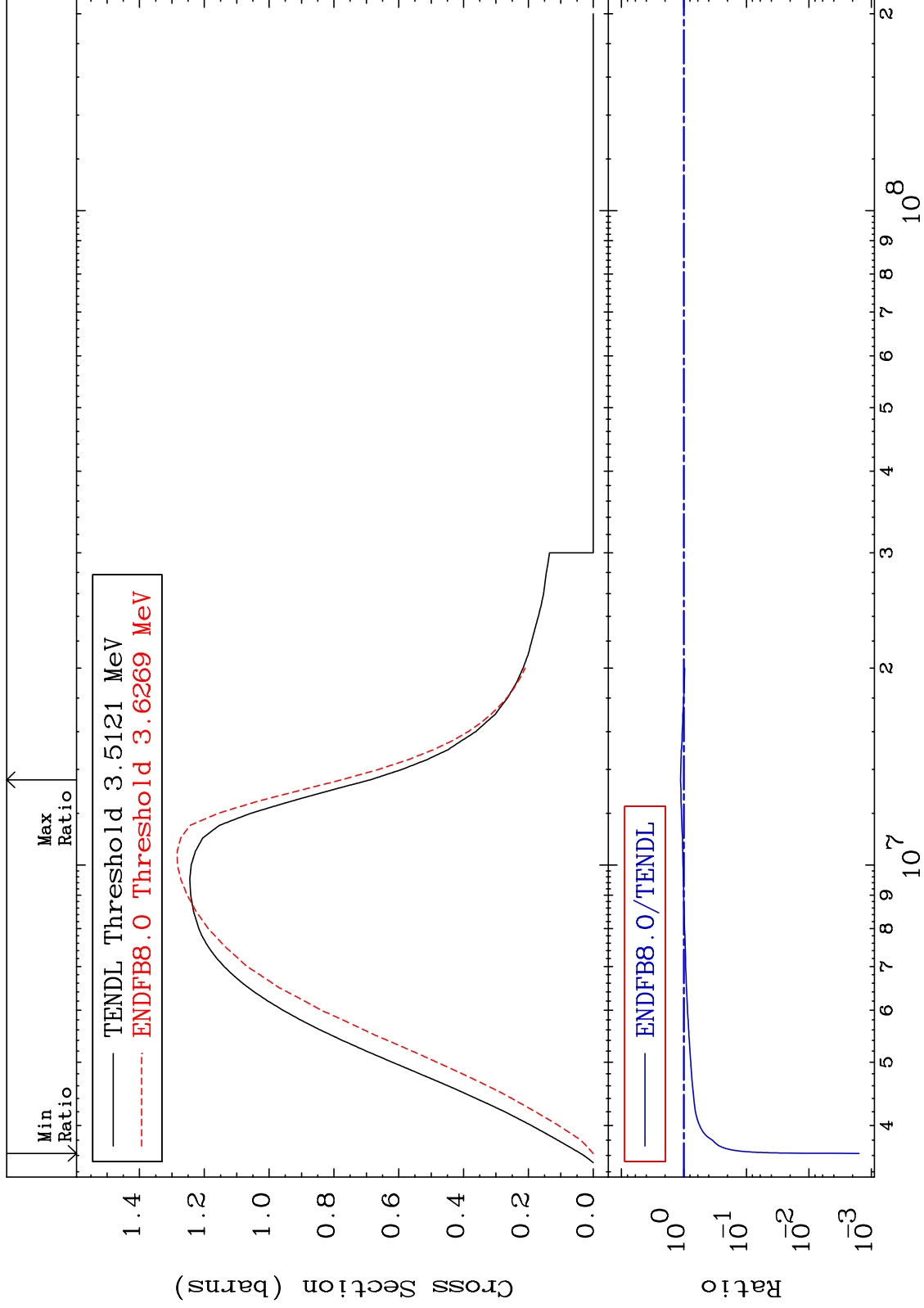
Incident Energy (eV)

23-V -51

MAT 2328

(n,n') Continuum
Cross Section

23-V -51
-99.84 To 12.90 %



37

Incident Energy (eV)

23-V -51

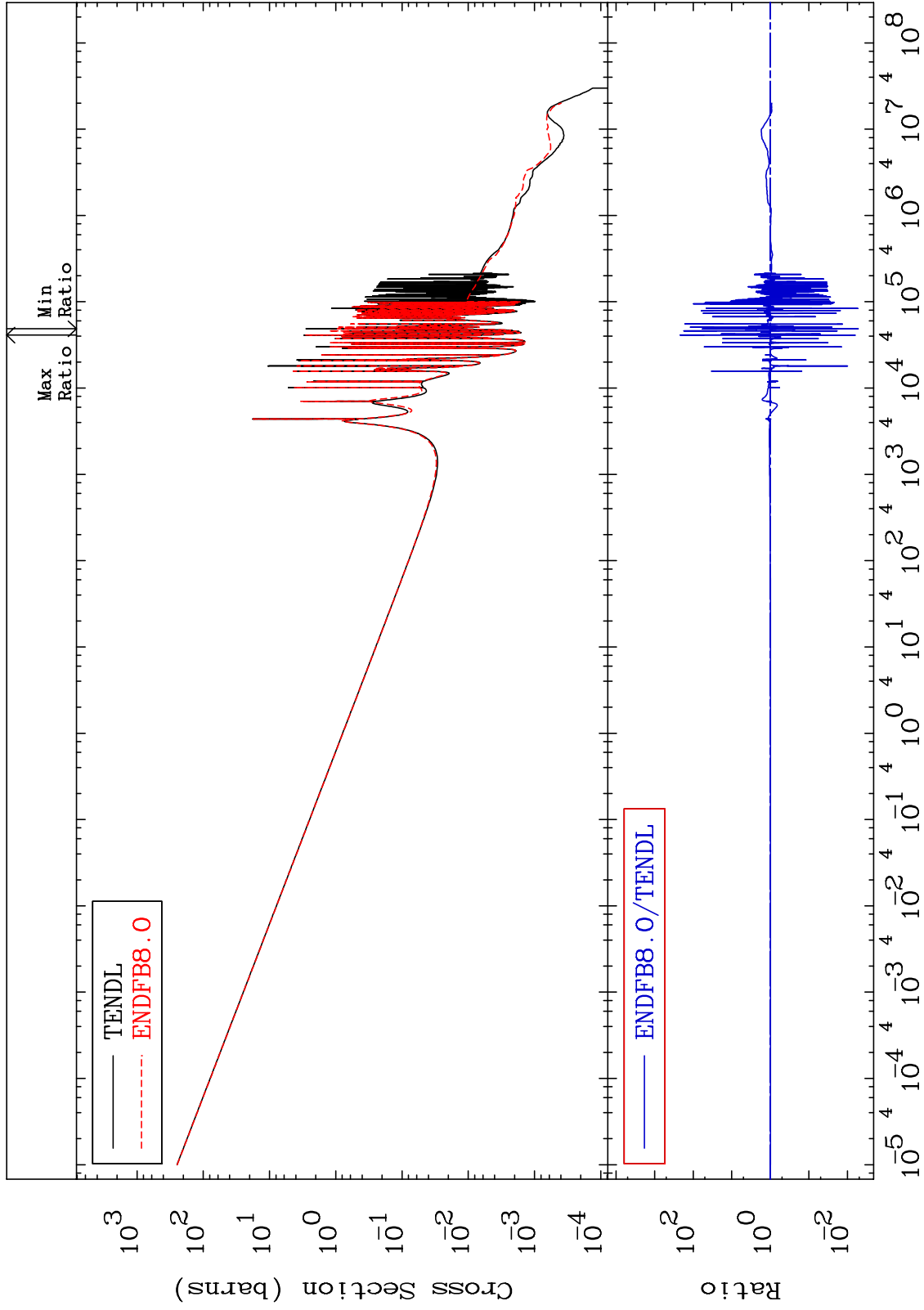
MAT 2328

(n, γ)

23-V -51

Cross Section

-99.48 To 9999. %



38

Incident Energy (eV)

23-V -51

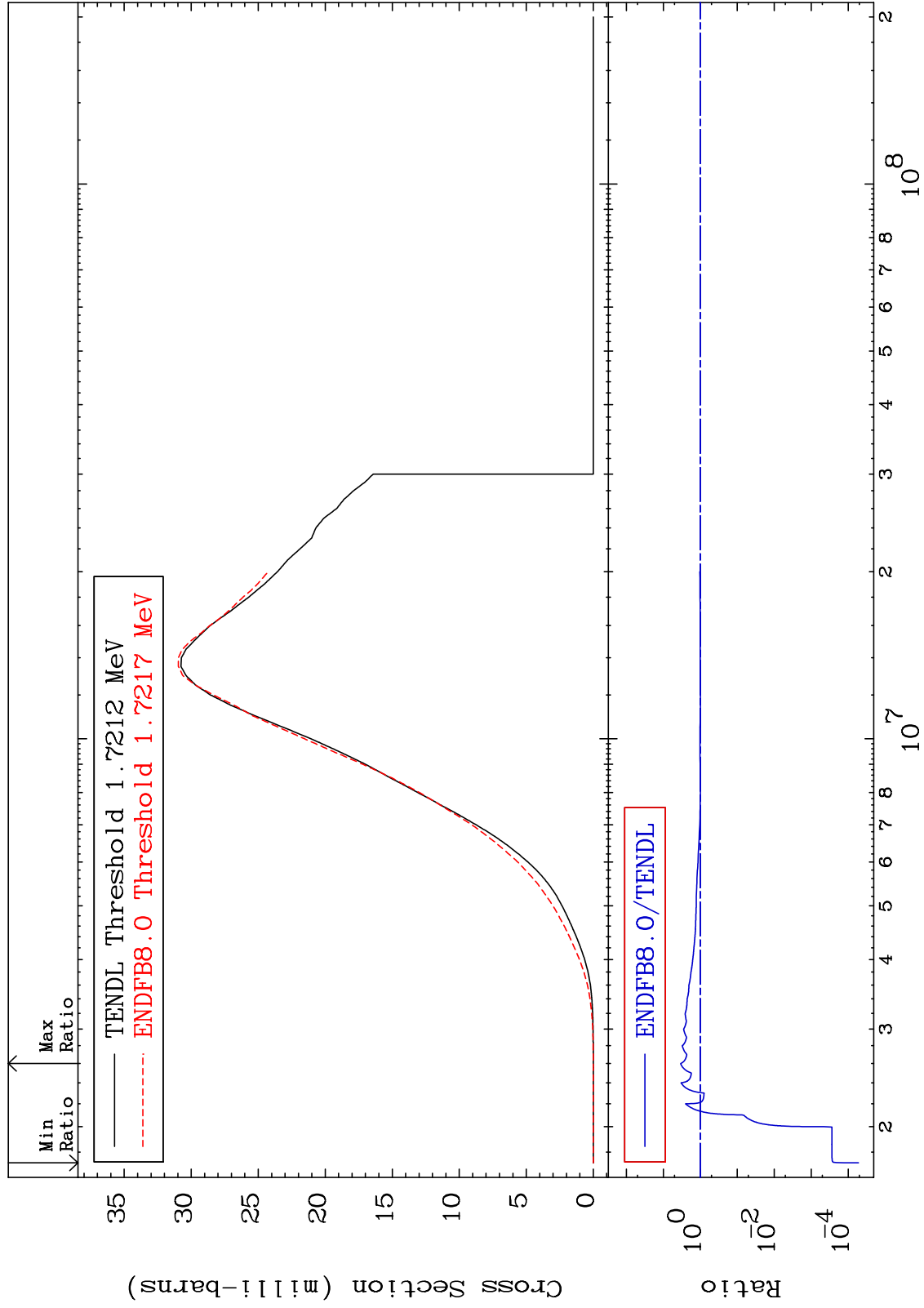
MAT 2328

(n,p)

23-V -51

Cross Section

-99.99 To 244.0 %



39

Incident Energy (eV)

23-V -51

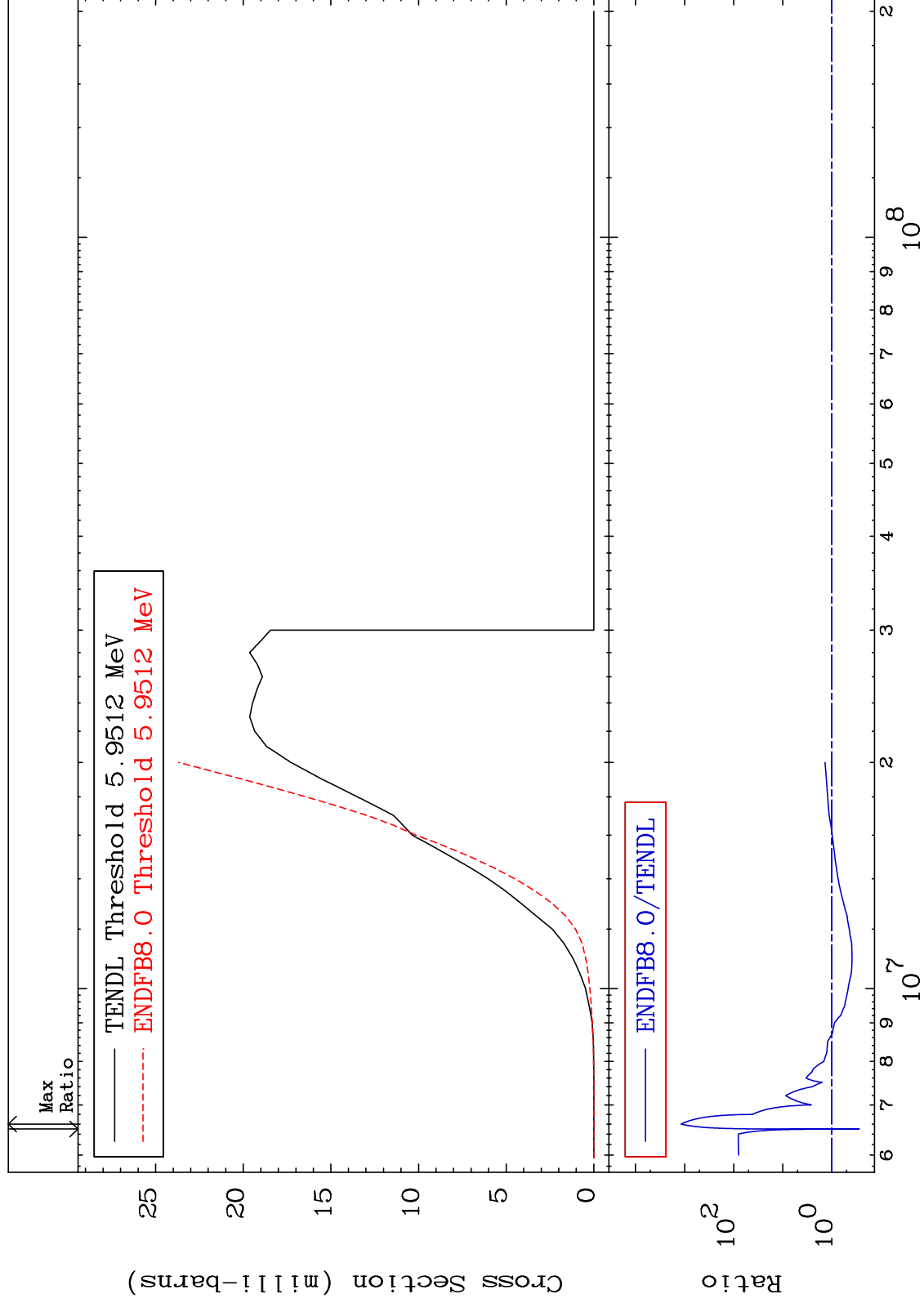
MAT 2328

(n,d)

Cross Section

23-V -51

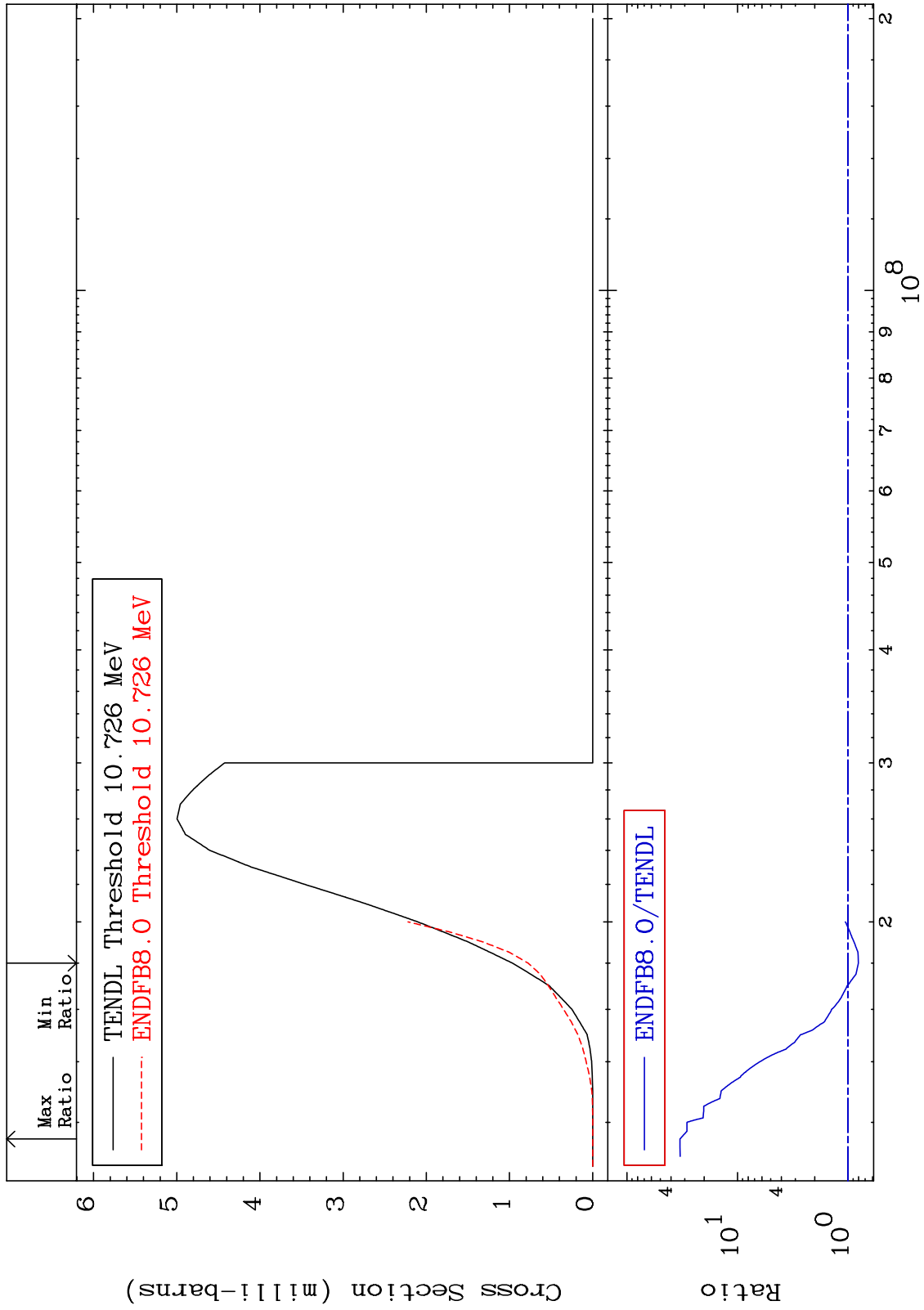
-72.40 To 9999. %



40

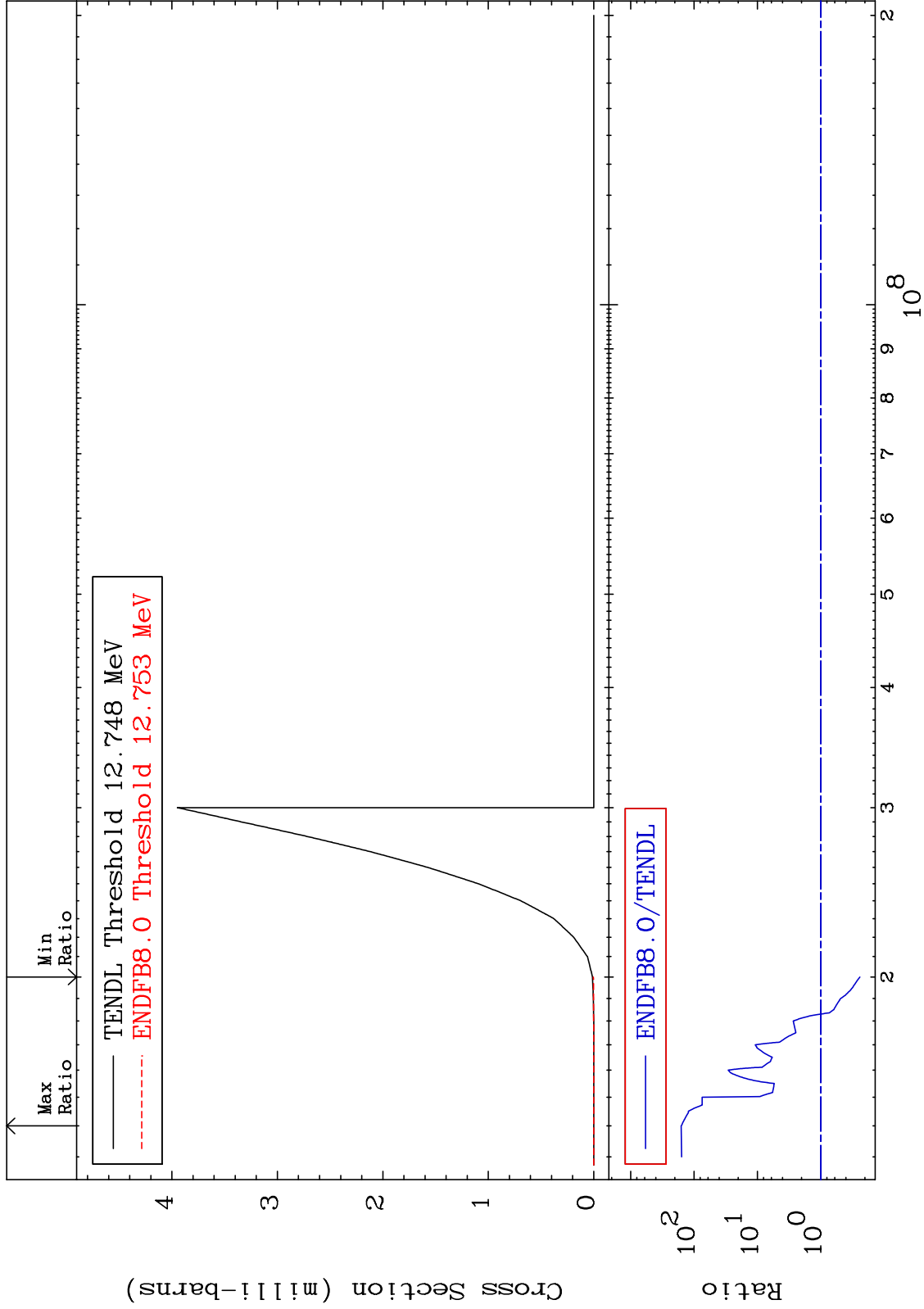
Incident Energy (eV)

23-V -51



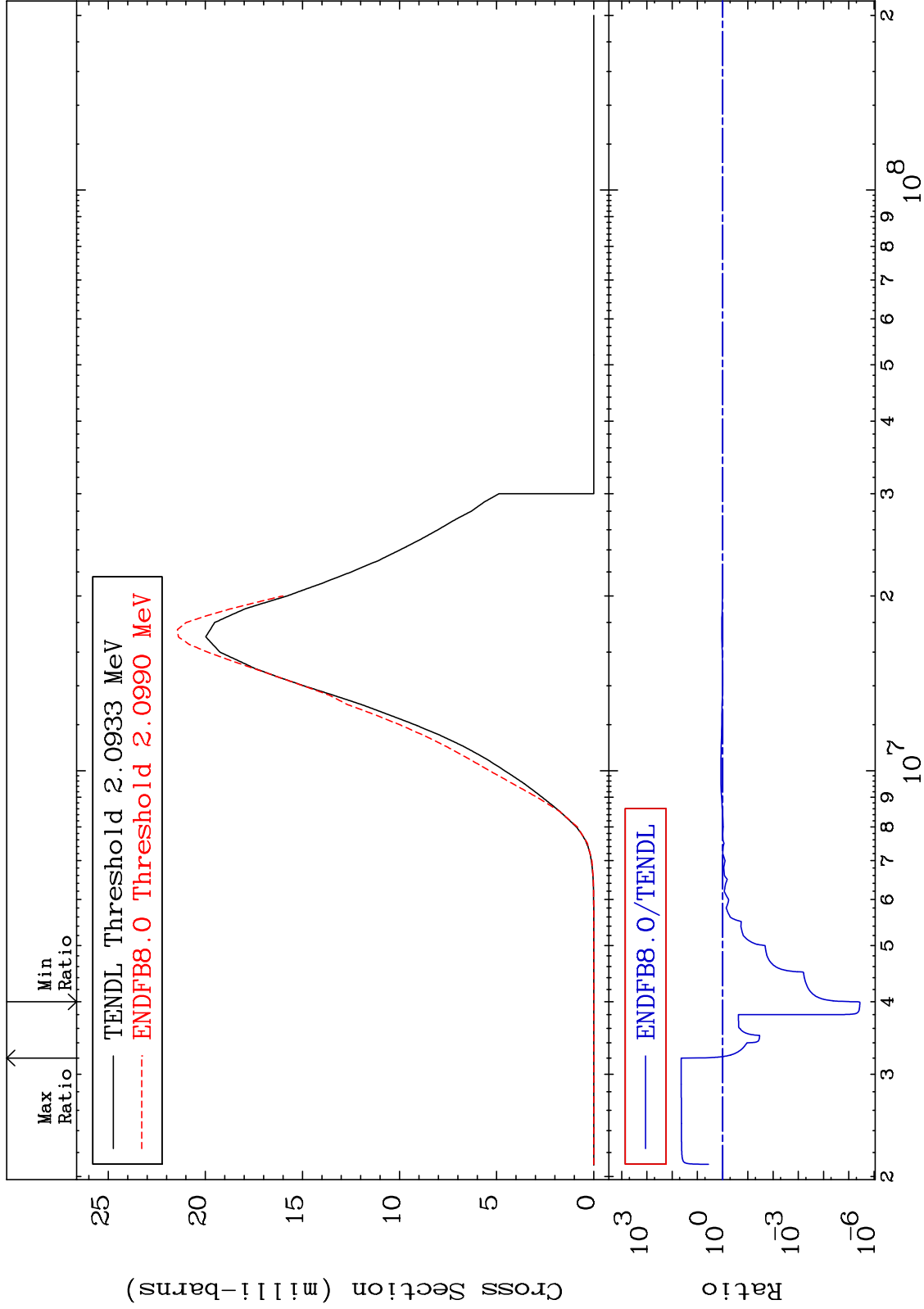
Cross Section

-75.97 To 9999. %



Cross Section

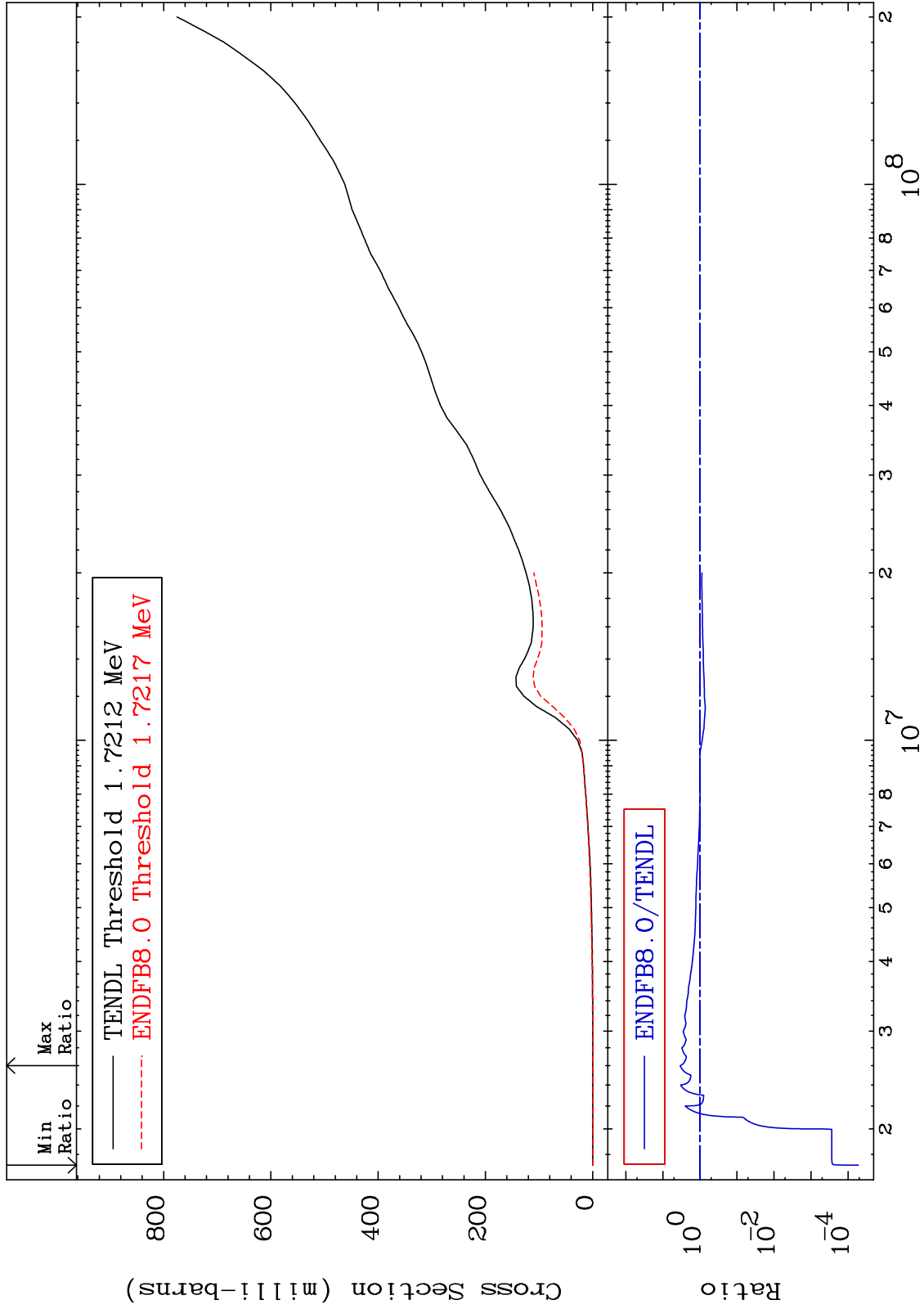
-100.0 To 4263. %



MAT 2328

Hydrogen Production Cross Section

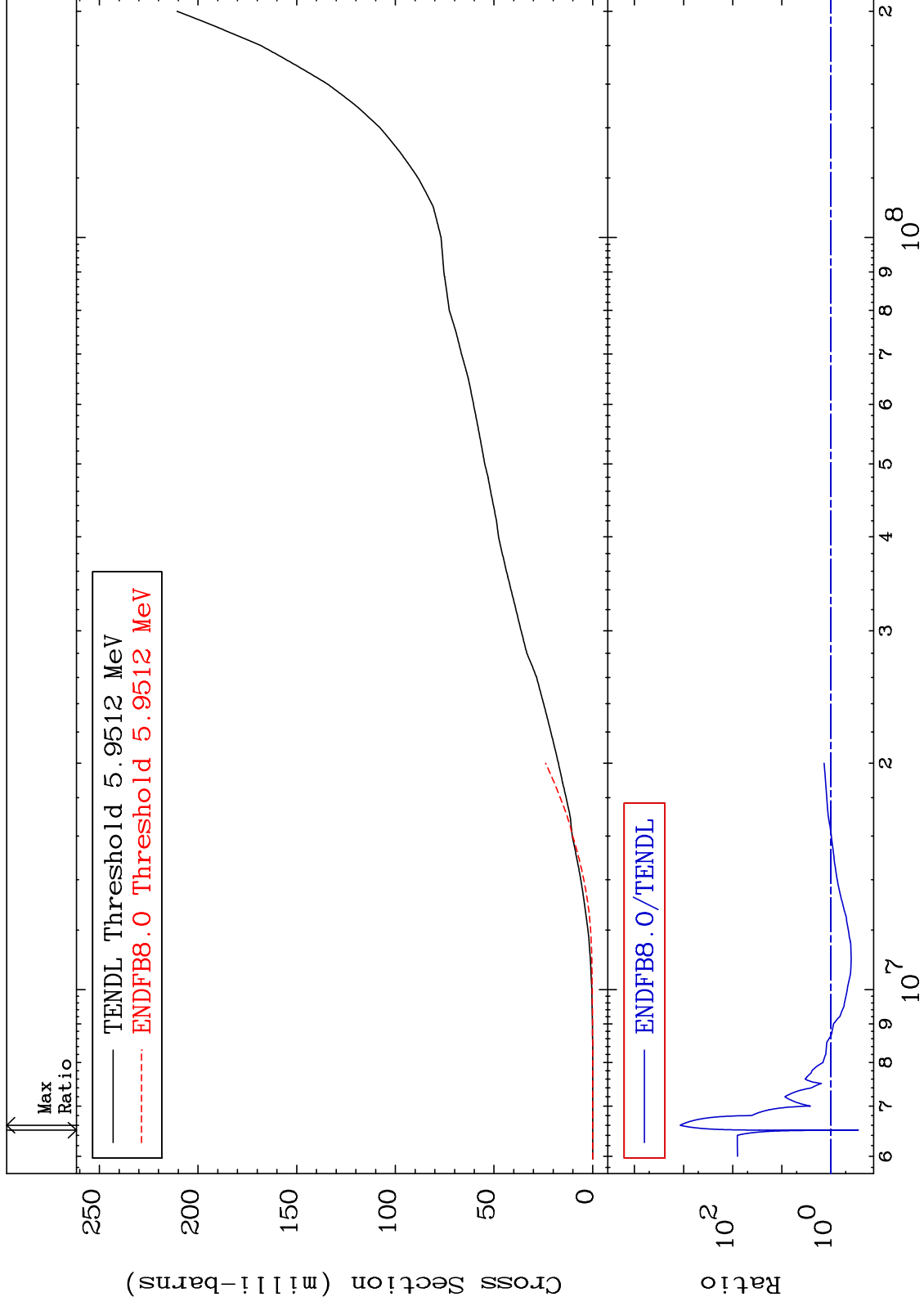
23-V -51
-99.99 To 244.0 %



MAT 2328

Deuterium Production
Cross Section

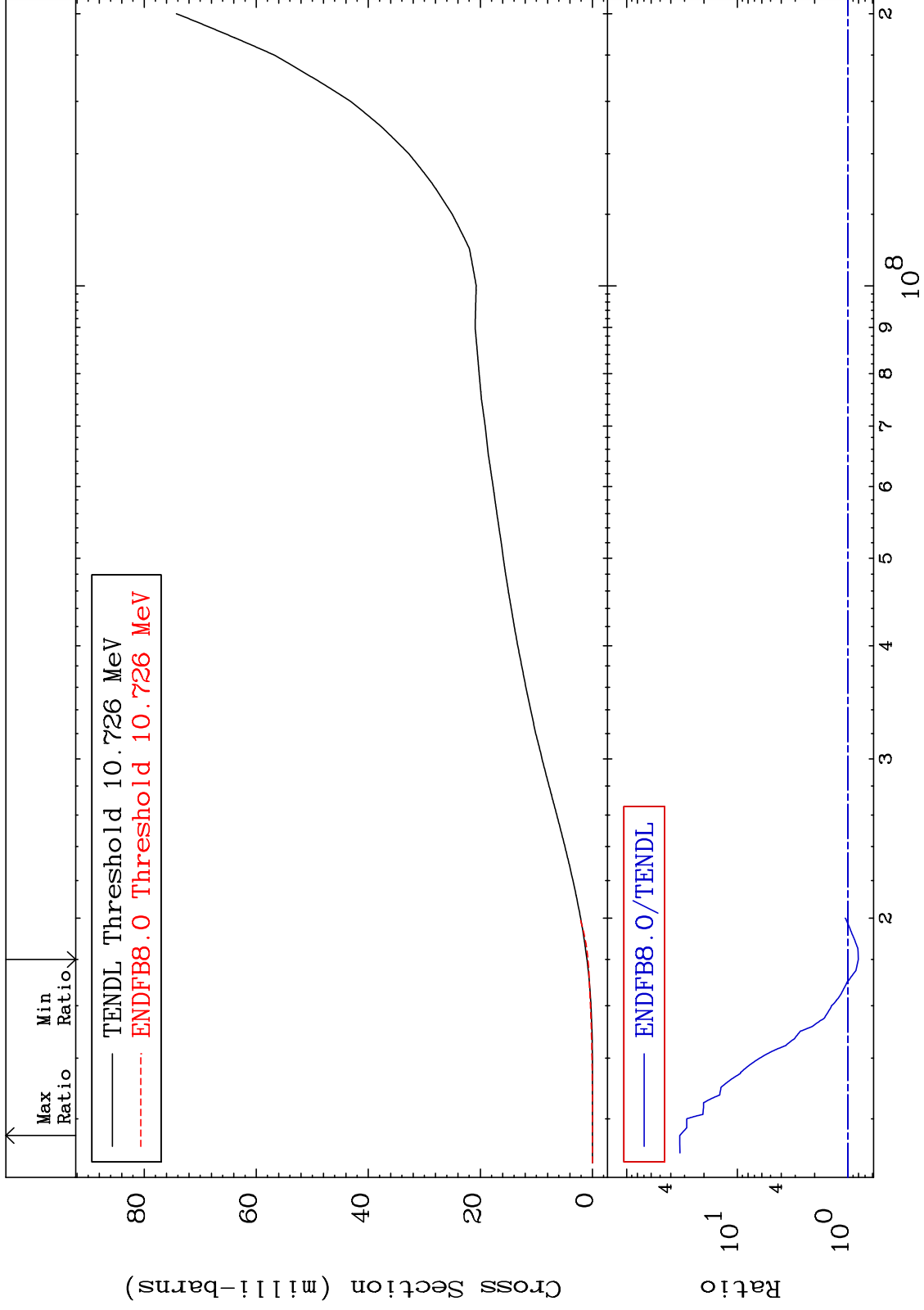
23-V -51
-72.40 To 9999. %



45

Incident Energy (eV)

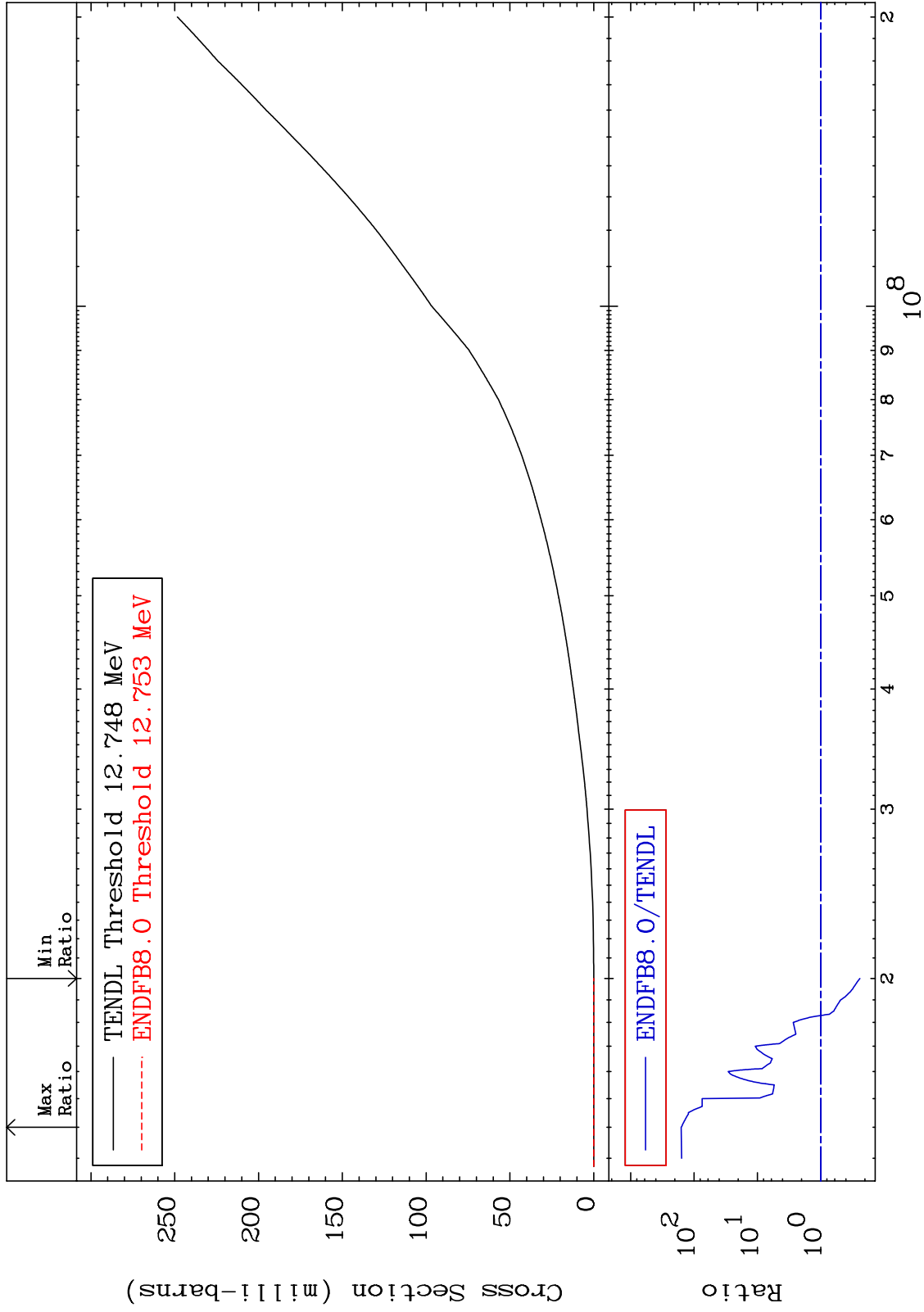
23-V -51



MAT 2328

He-3 Production
Cross Section

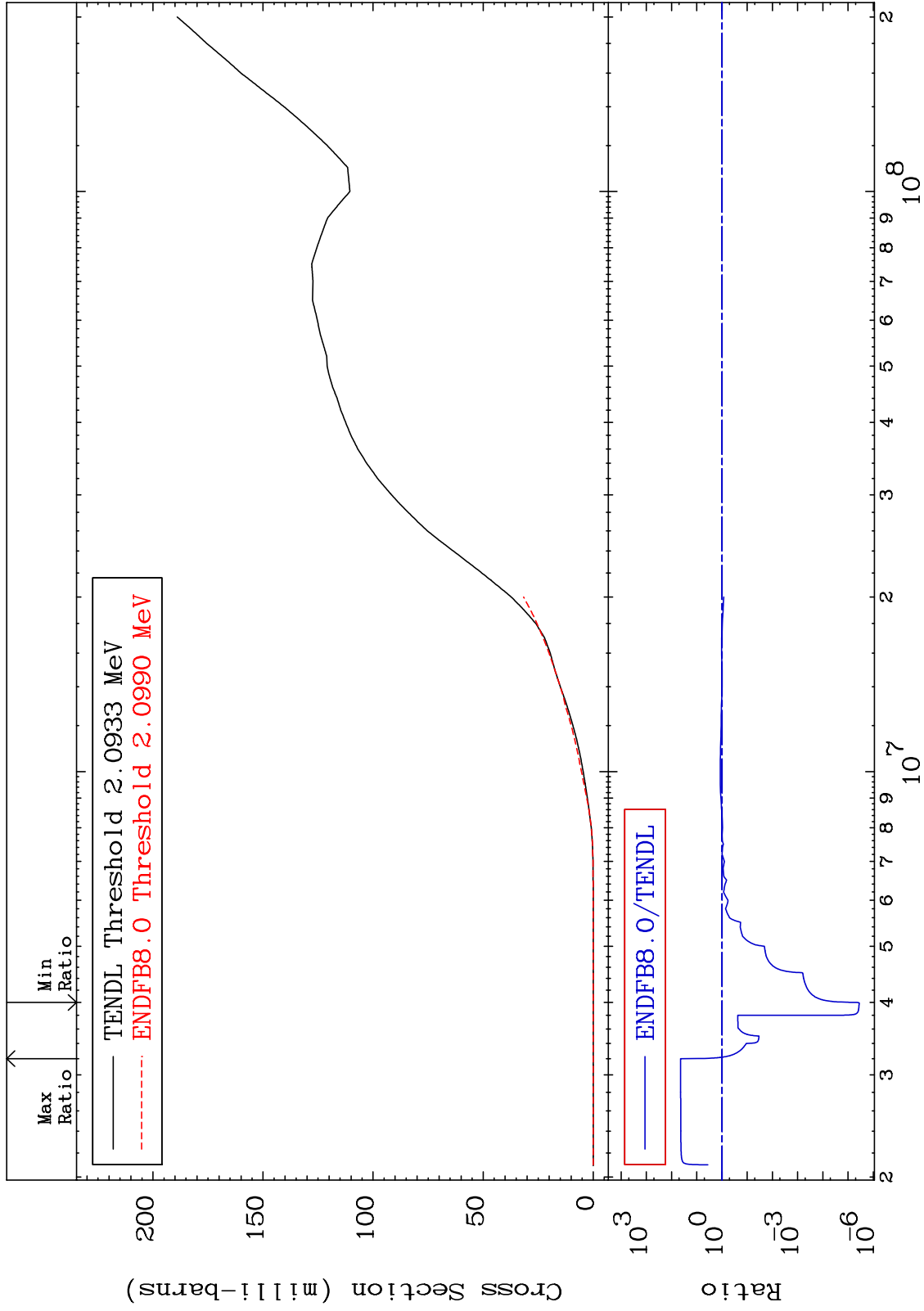
23-V -51
-75.97 To 9999. %



MAT 2328

He-4 Production
Cross Section

23-V -51
-100.0 To 4263. %



48

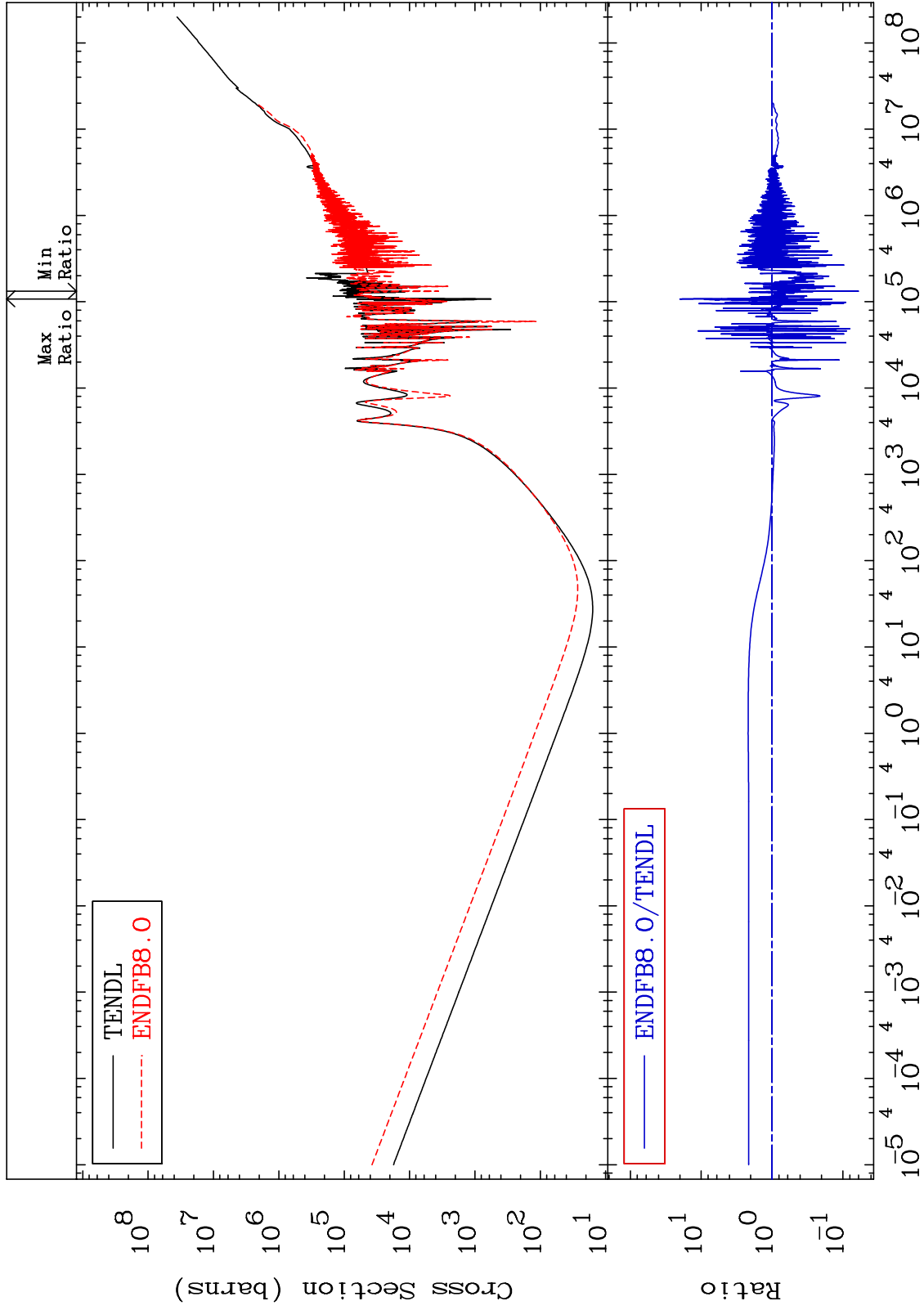
Incident Energy (eV)

23-V -51

MAT 2328

Kerma total (eV-barns)
Cross Section

23-V -51
-93.96 To 1890. %



49

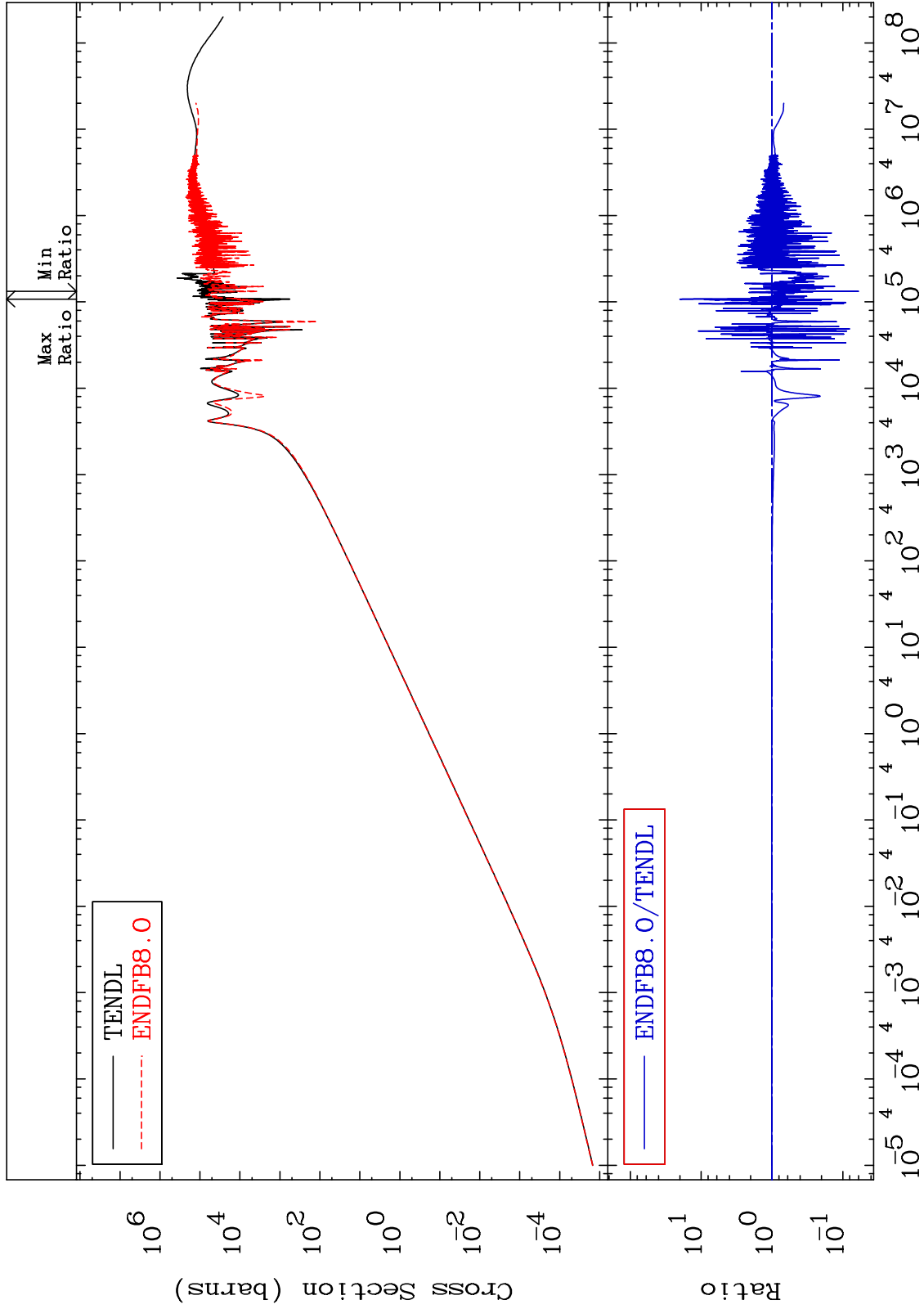
Incident Energy (eV)

23-V -51

MAT 2328

Kerma elastic
Cross Section

23-V -51
-93.96 To 1890. %



50

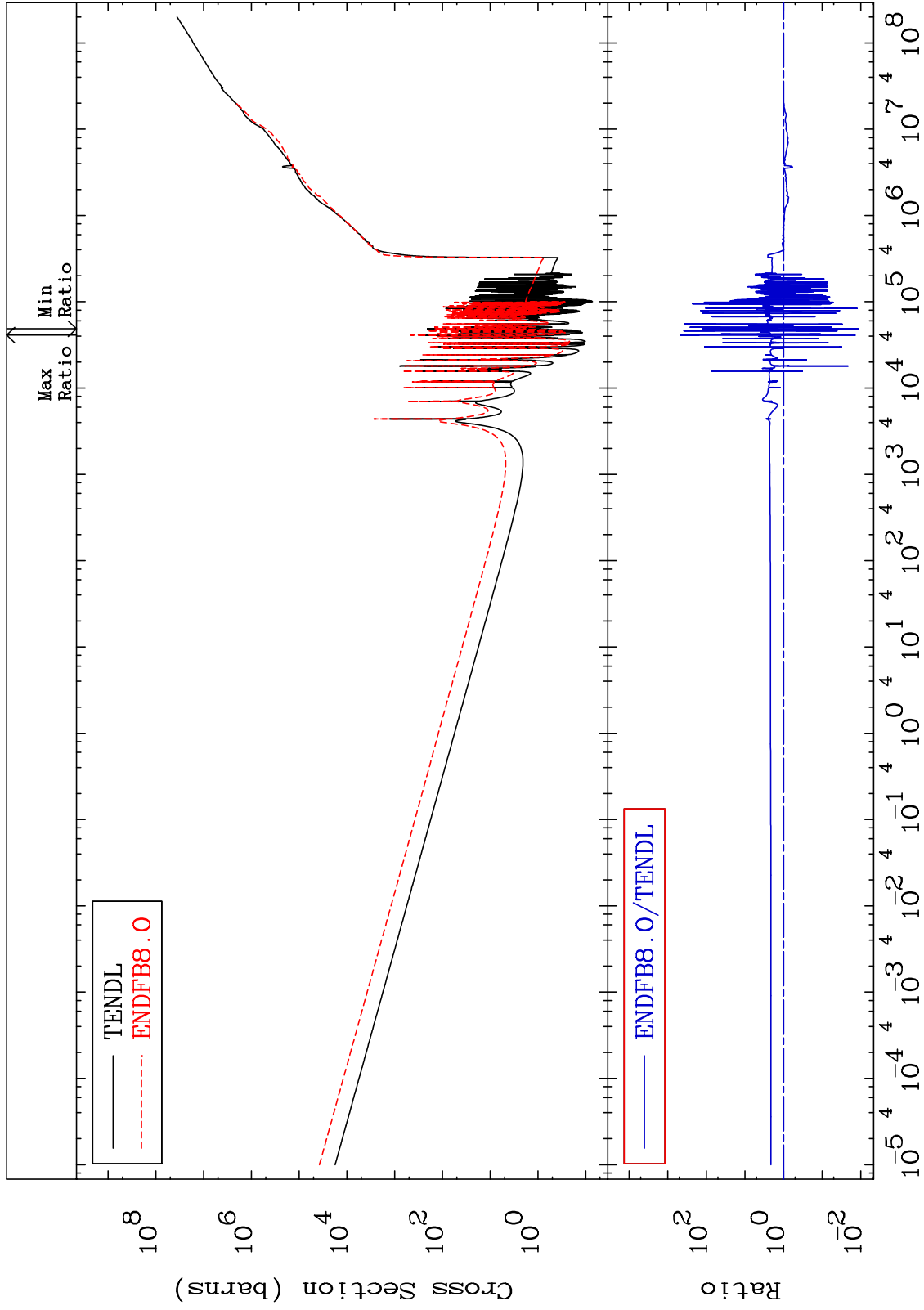
Incident Energy (eV)

23-V -51

MAT 2328

Kerma non-elastic (all but mt2)
Cross Section

23-V -51
-98.85 To 9999. %



51

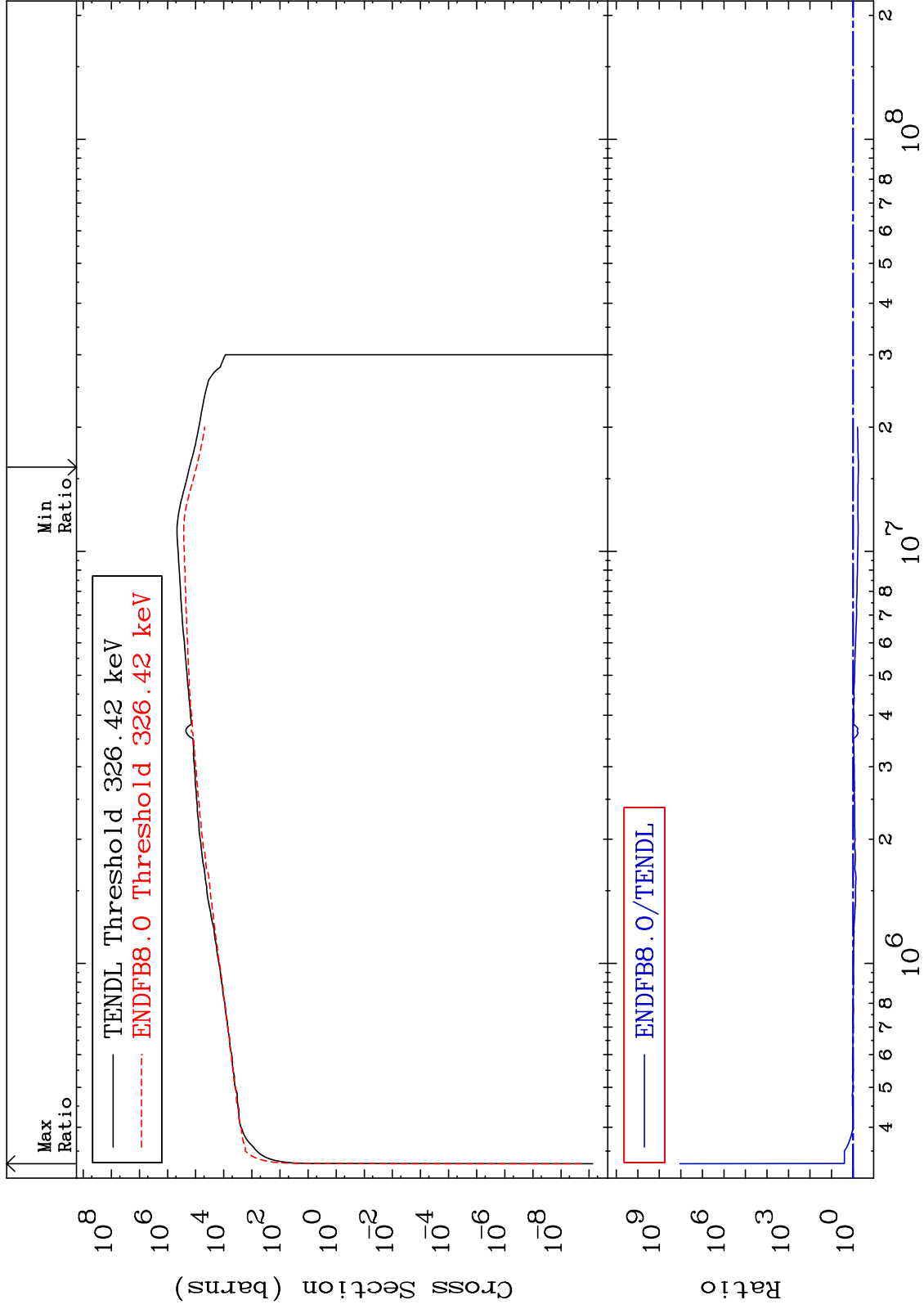
Incident Energy (eV)

23-V -51

MAT 2328

Kerma inelastic (mt51-91)
Cross Section

23-V -51
-43.54 To 9999. %



52

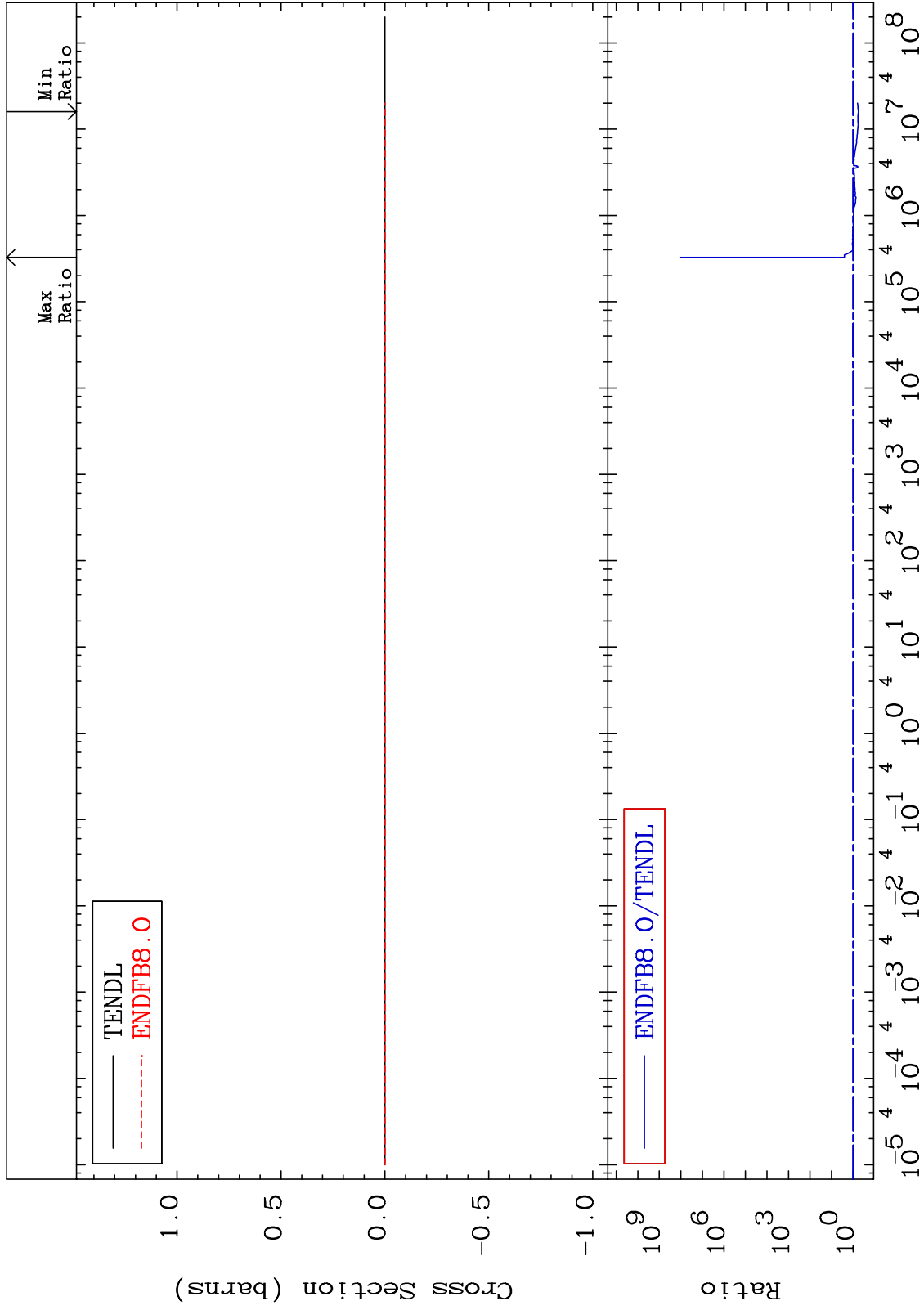
Incident Energy (eV)

23-V -51

MAT 2328

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

23-V -51
-43.54 To 9999. %



53

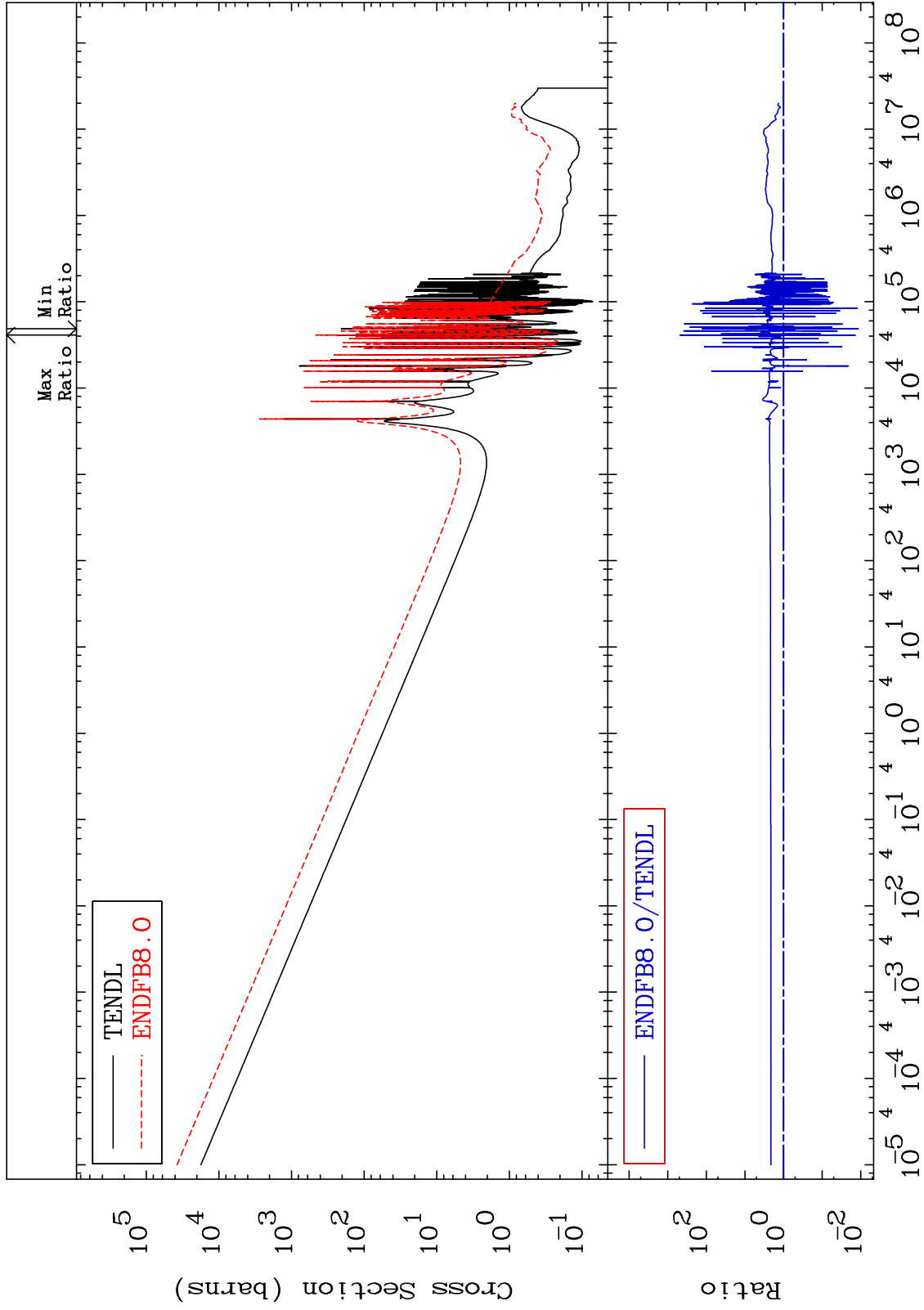
Incident Energy (eV)

23-V -51

MAT 2328

Kerma capture (mt102)
Cross Section

23-V -51
-98.85 To 9999. %



54

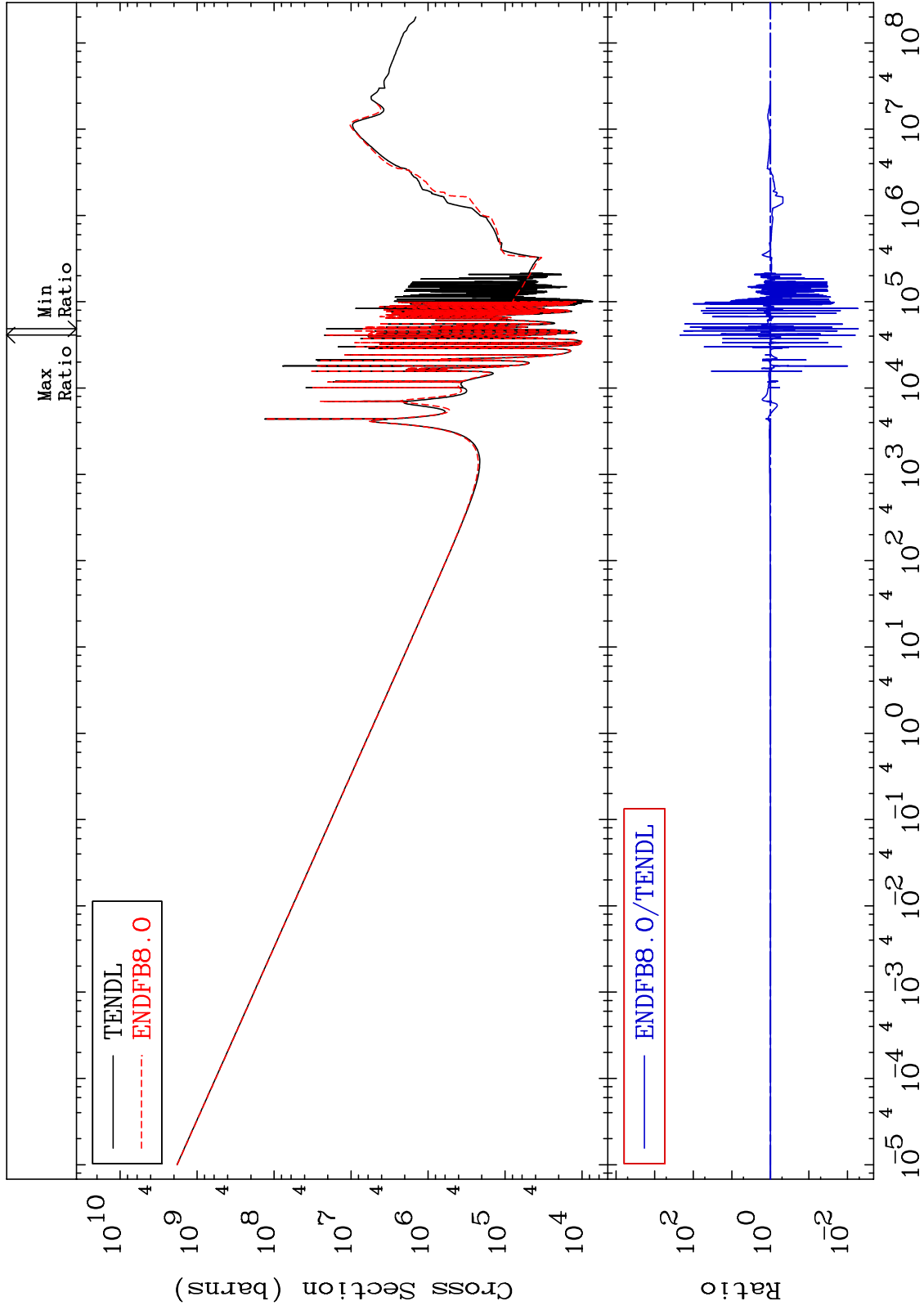
Incident Energy (eV)

23-V -51

MAT 2328

Total photon (eV-barns)
Cross Section

23-V -51
-99.48 To 9999. %



55

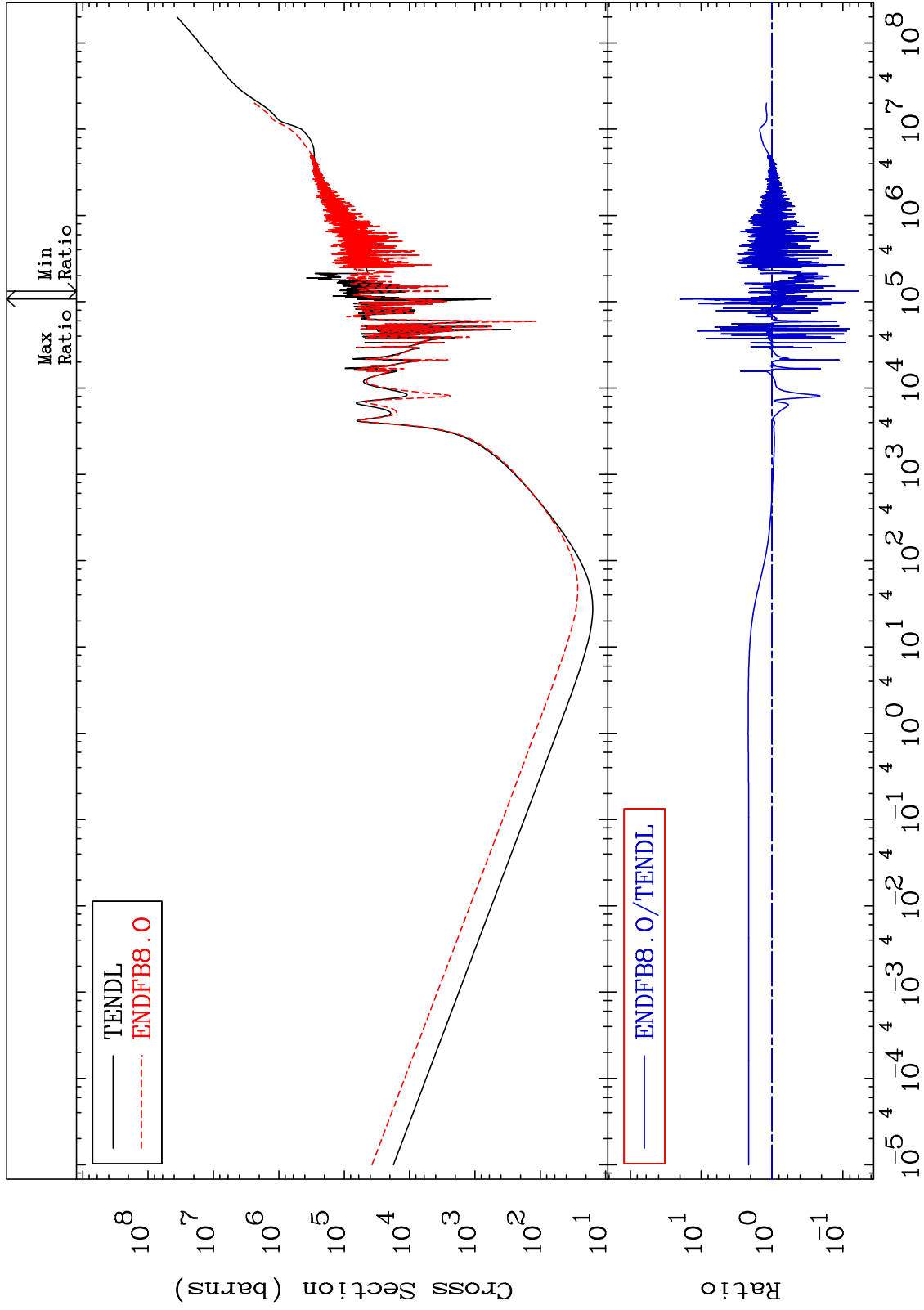
Incident Energy (eV)

23-V -51

MAT 2328

Total kinematic kerma (high limit)
Cross Section

23-V -51
-93.96 To 1890. %



56

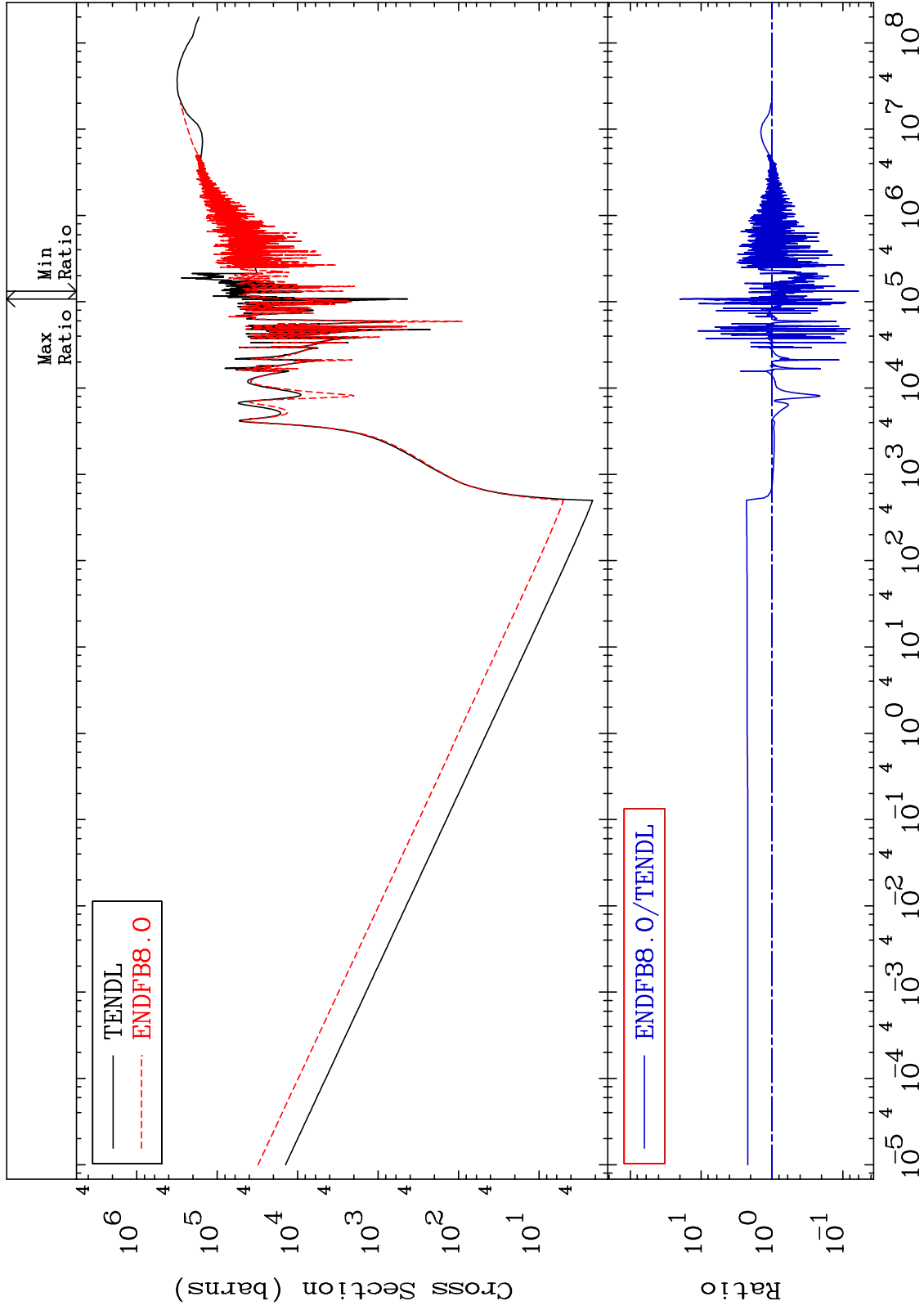
Incident Energy (eV)

23-V -51

MAT 2328

Dpa total (eV-barns)
Cross Section

23-V -51
-93.96 To 1890. %



57

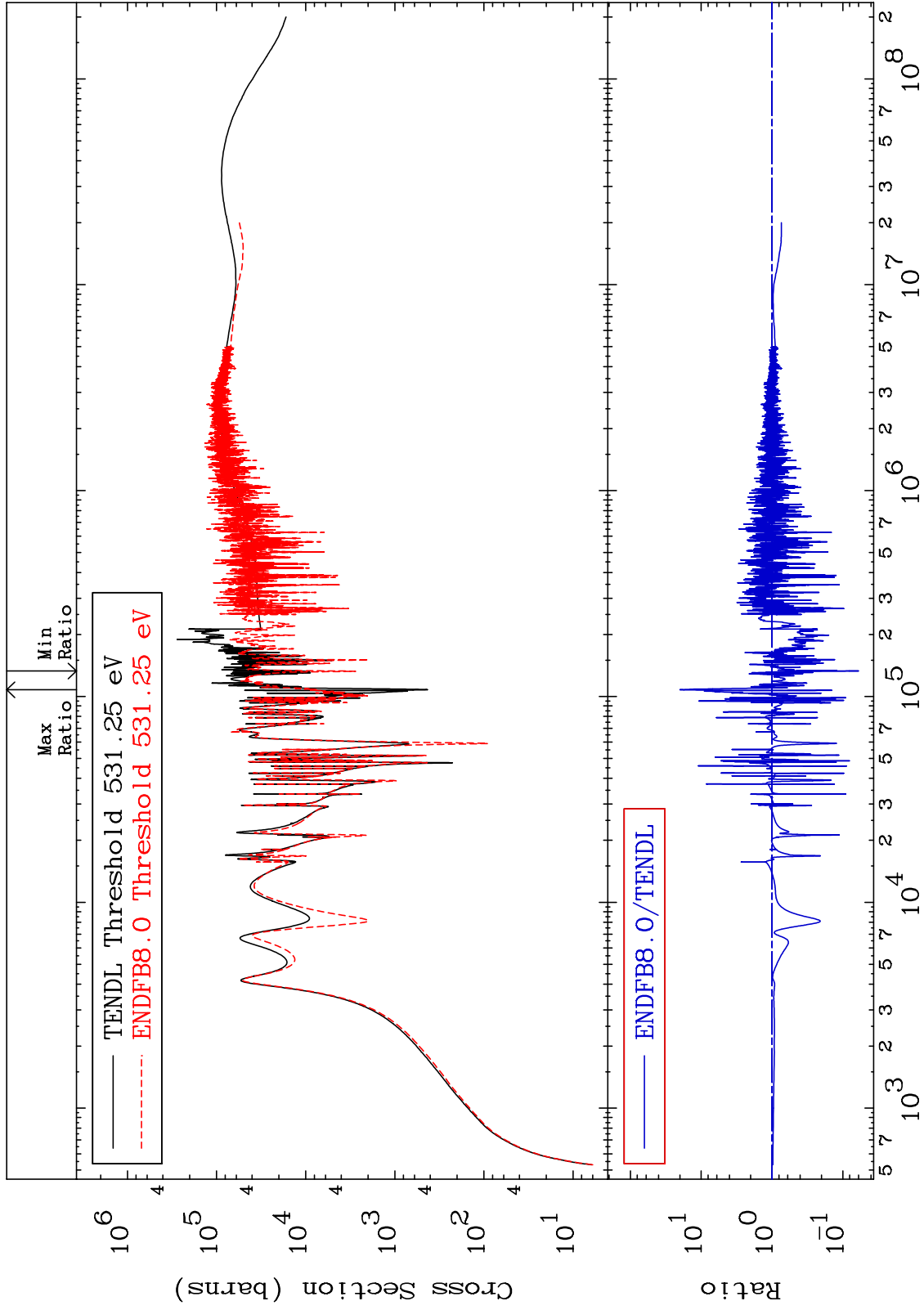
Incident Energy (eV)

23-V -51

MAT 2328

Dpa elastic (mt2)
Cross Section

23-V -51
-93.96 To 1890. %



58

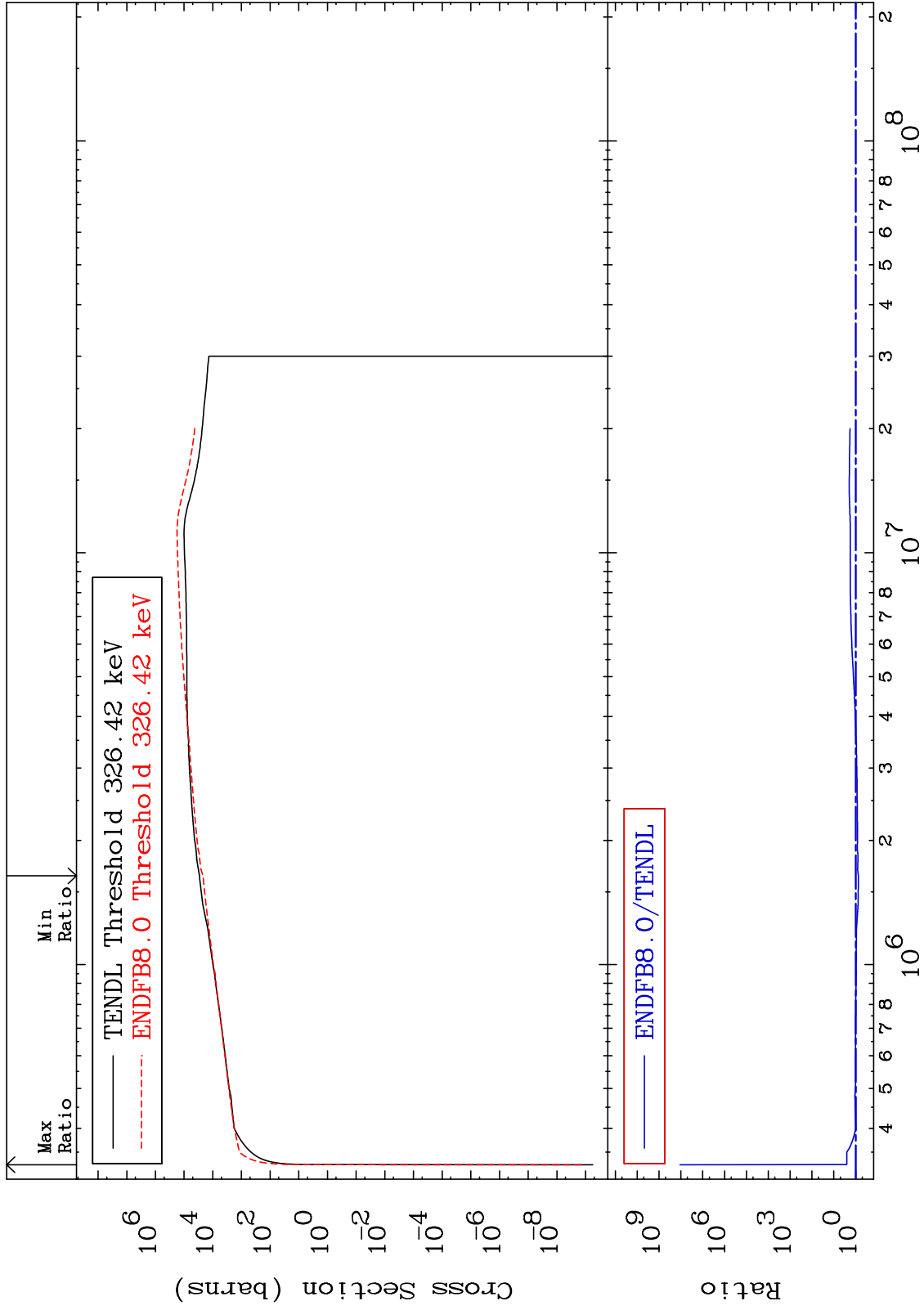
Incident Energy (eV)

23-V -51

MAT 2328

Dpa inelastic (mt51-91)
Cross Section

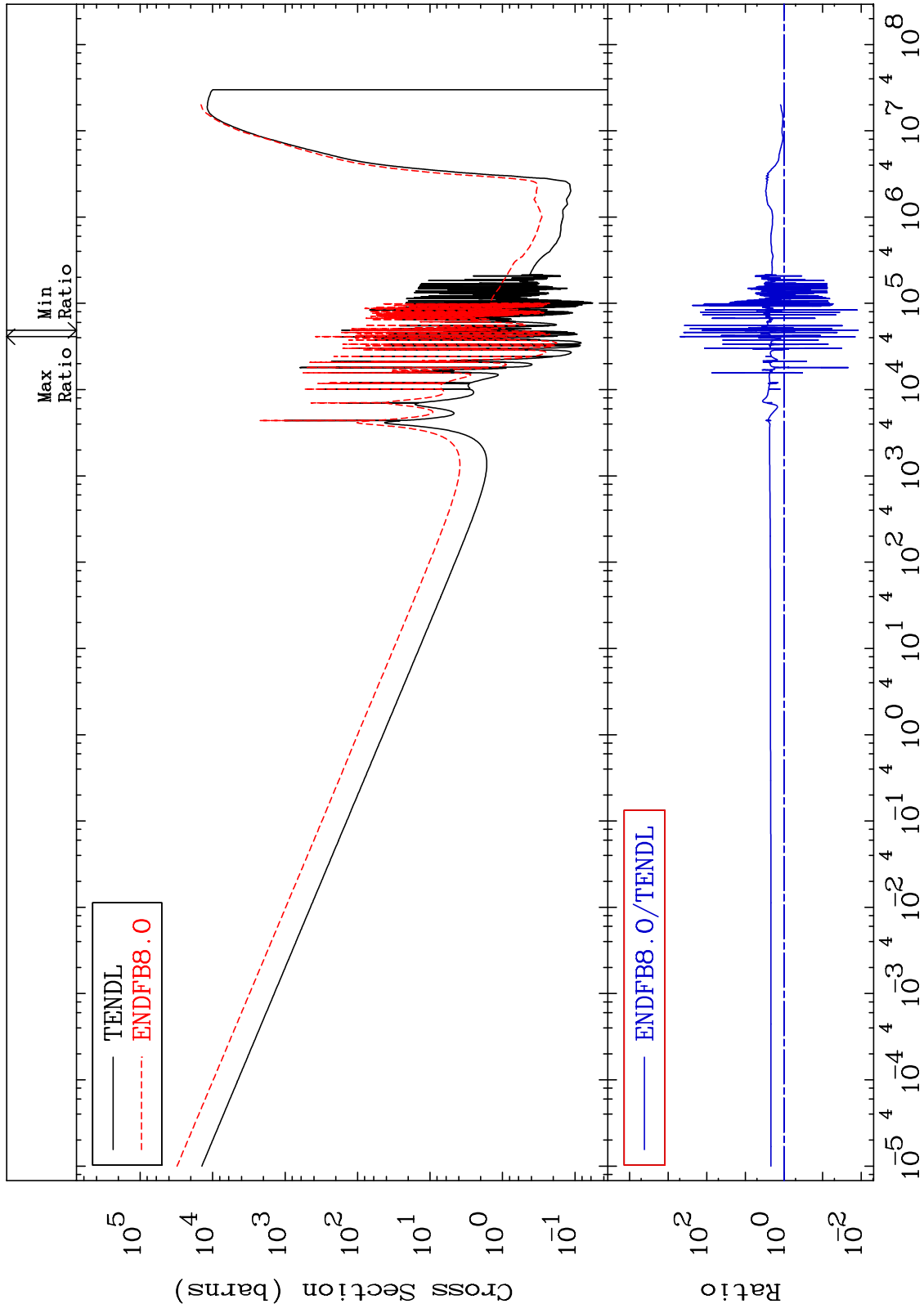
23-V -51
-25.21 To 9999. %



MAT 2328

Dpa disappearance (mt102 -120)
Cross Section

23-V -51
-98.81 To 9999. %



60

Incident Energy (eV)

23-V -51