

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

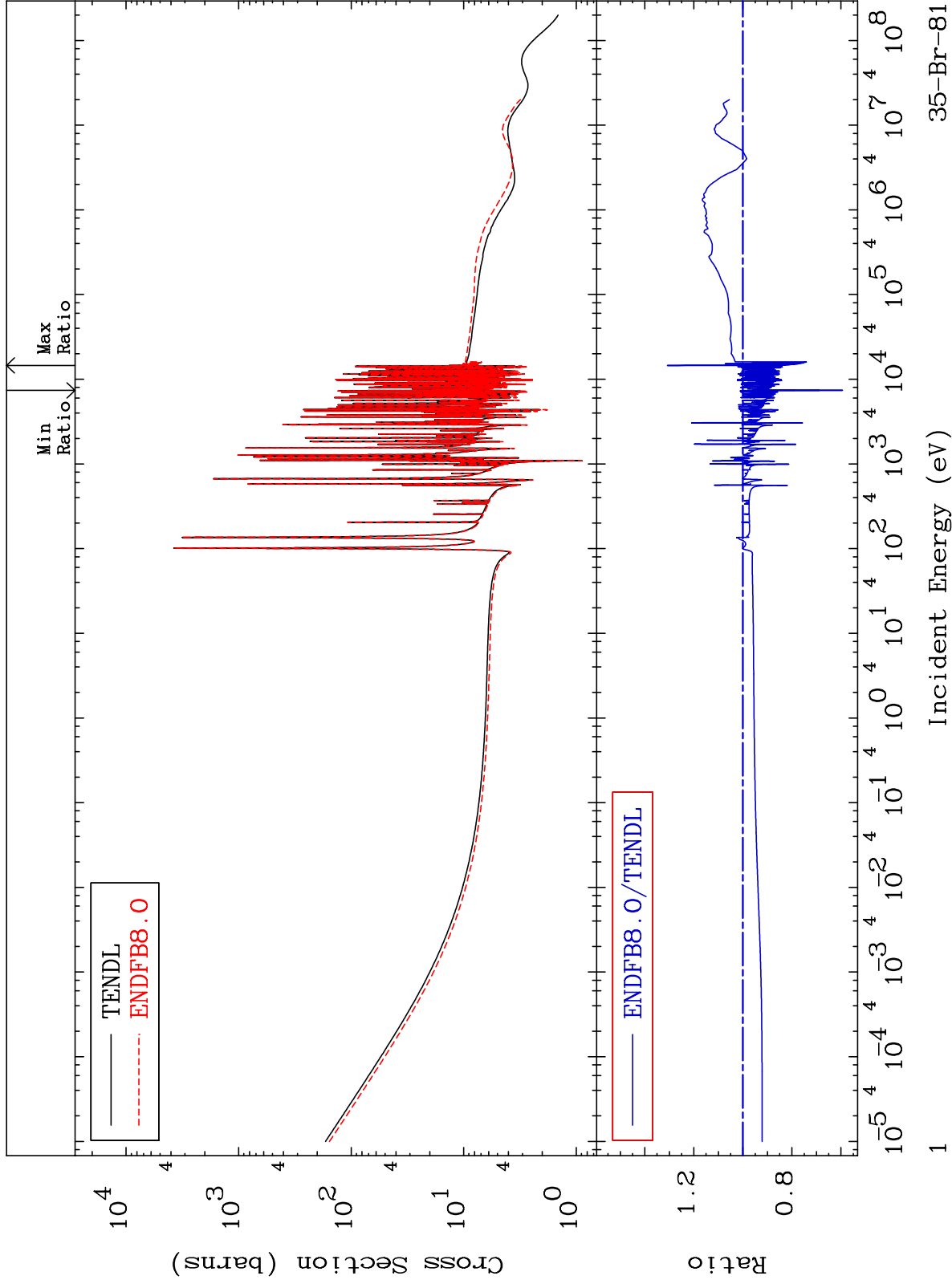
MAT 3531

Total

35-Br-81

Cross Section

-40.68 To 30.72 %



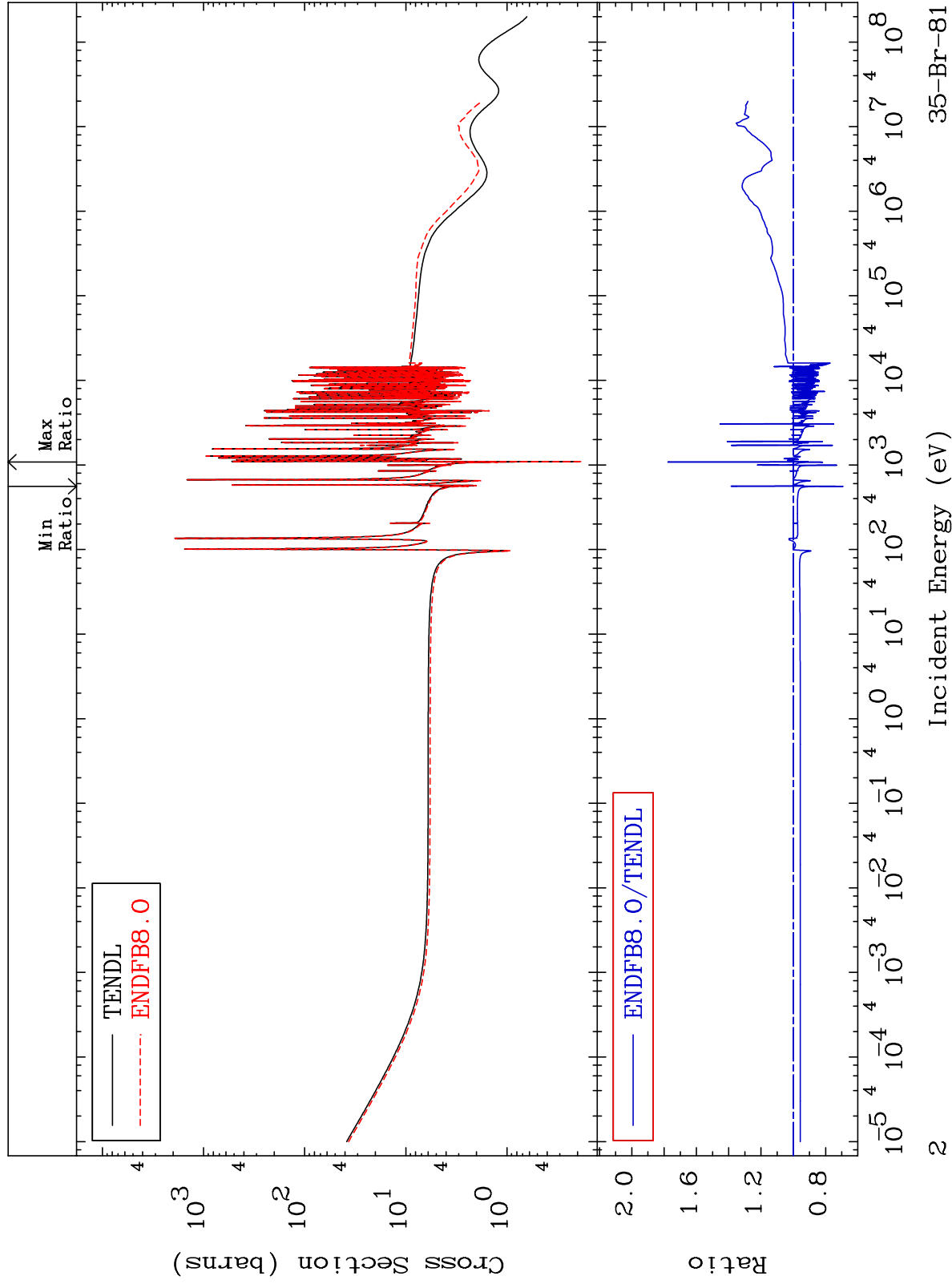
Incident Energy (eV)

35-Br-81

MAT 3531

Elastic
Cross Section

35-Br-81
-30.65 To 77.58 %



35-Br-81

2

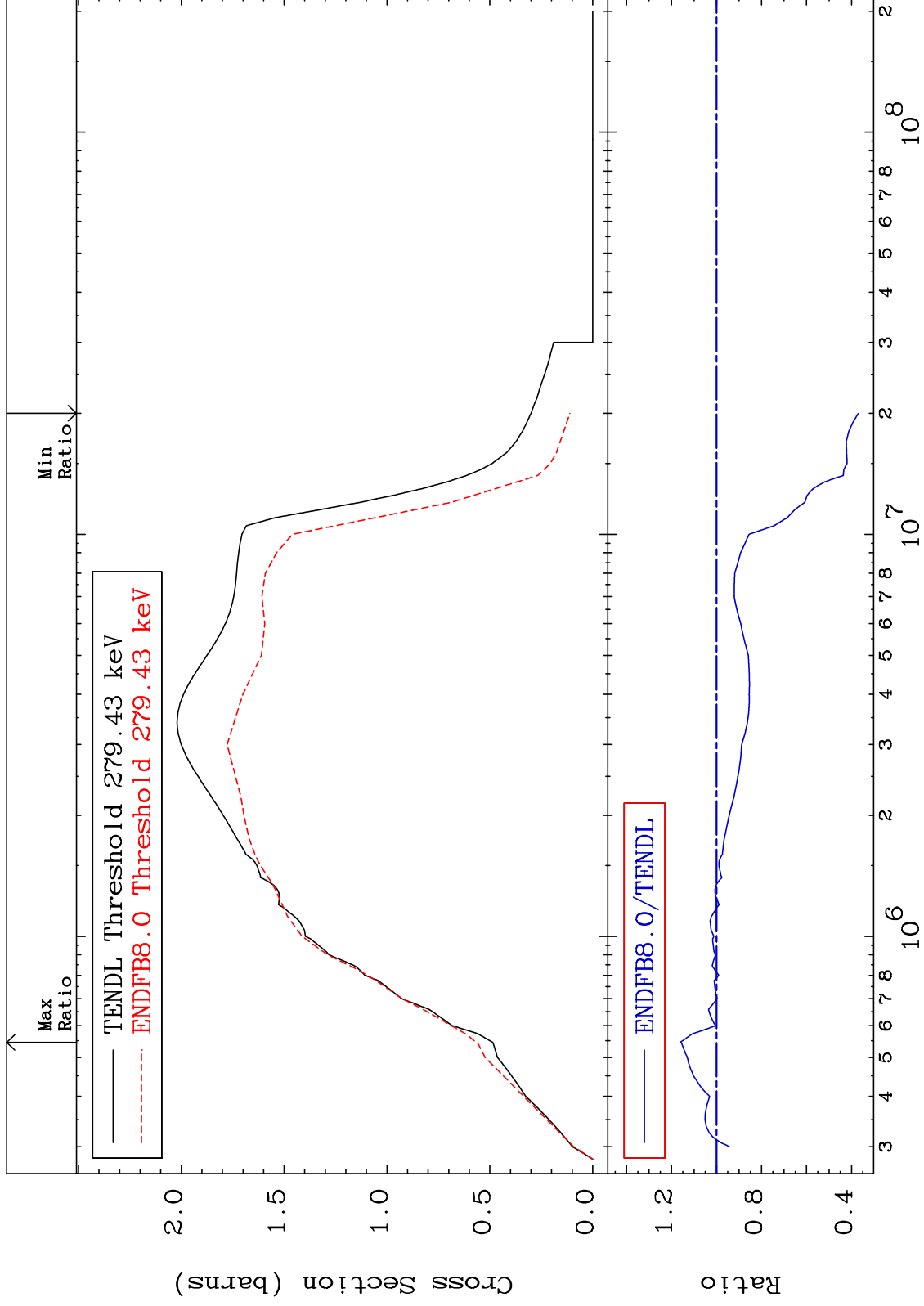
MAT 3531

Inelastic

35-Br-81

Cross Section

-63.04 To 16.23 %



3

35-Br-81

35-Br-81

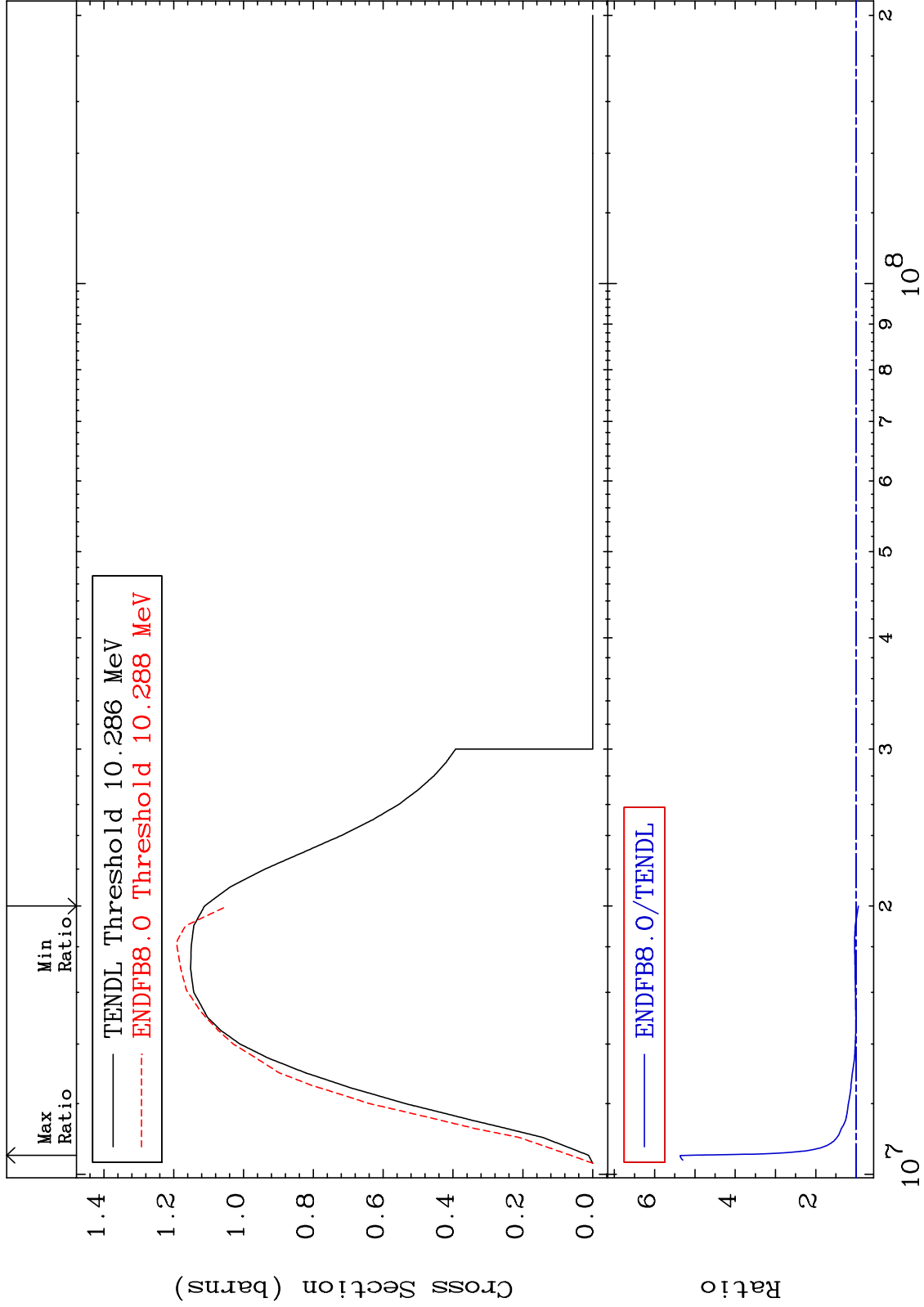
MAT 3531

(n,2n)

35-Br-81

Cross Section

-5.871 To 437.1 %



35-Br-81

35-Br-81

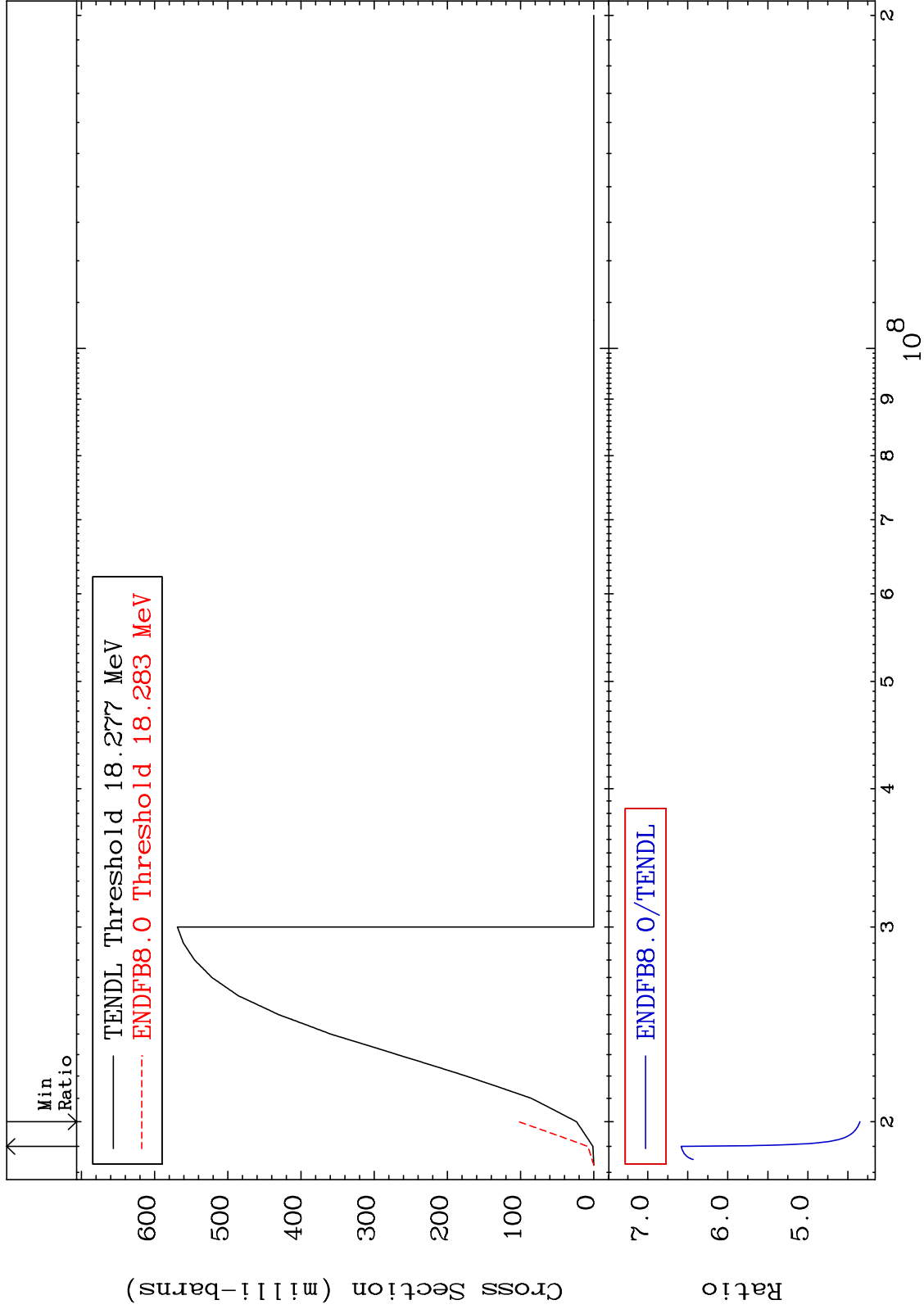
MAT 3531

(n, 3n)

35-Br-81

Cross Section

334.8 To 558.2 %



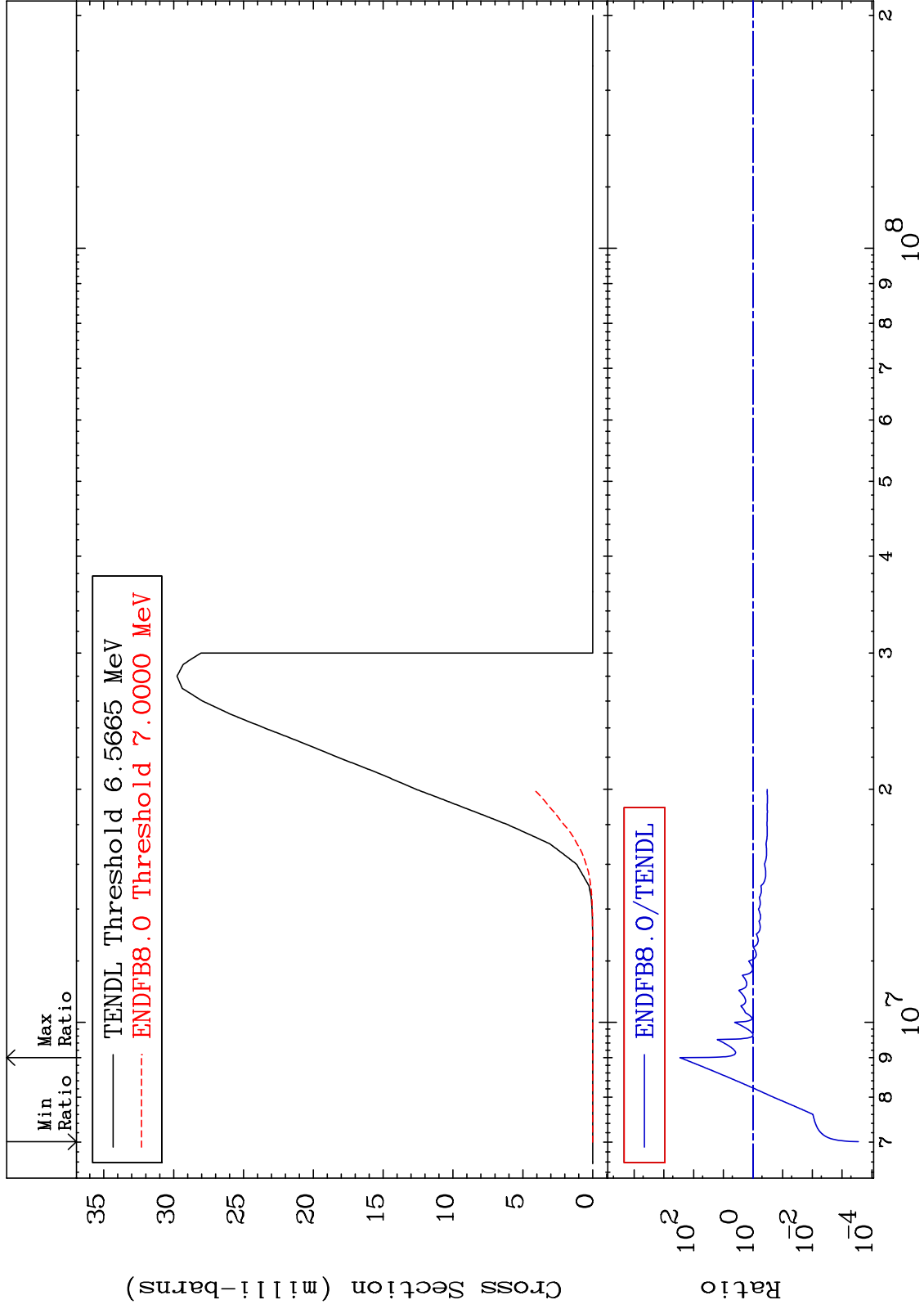
MAT 3531

(n, n') α

35-Br-81

Cross Section

-99.97 To 9999. %



6

Incident Energy (eV)

35-Br-81

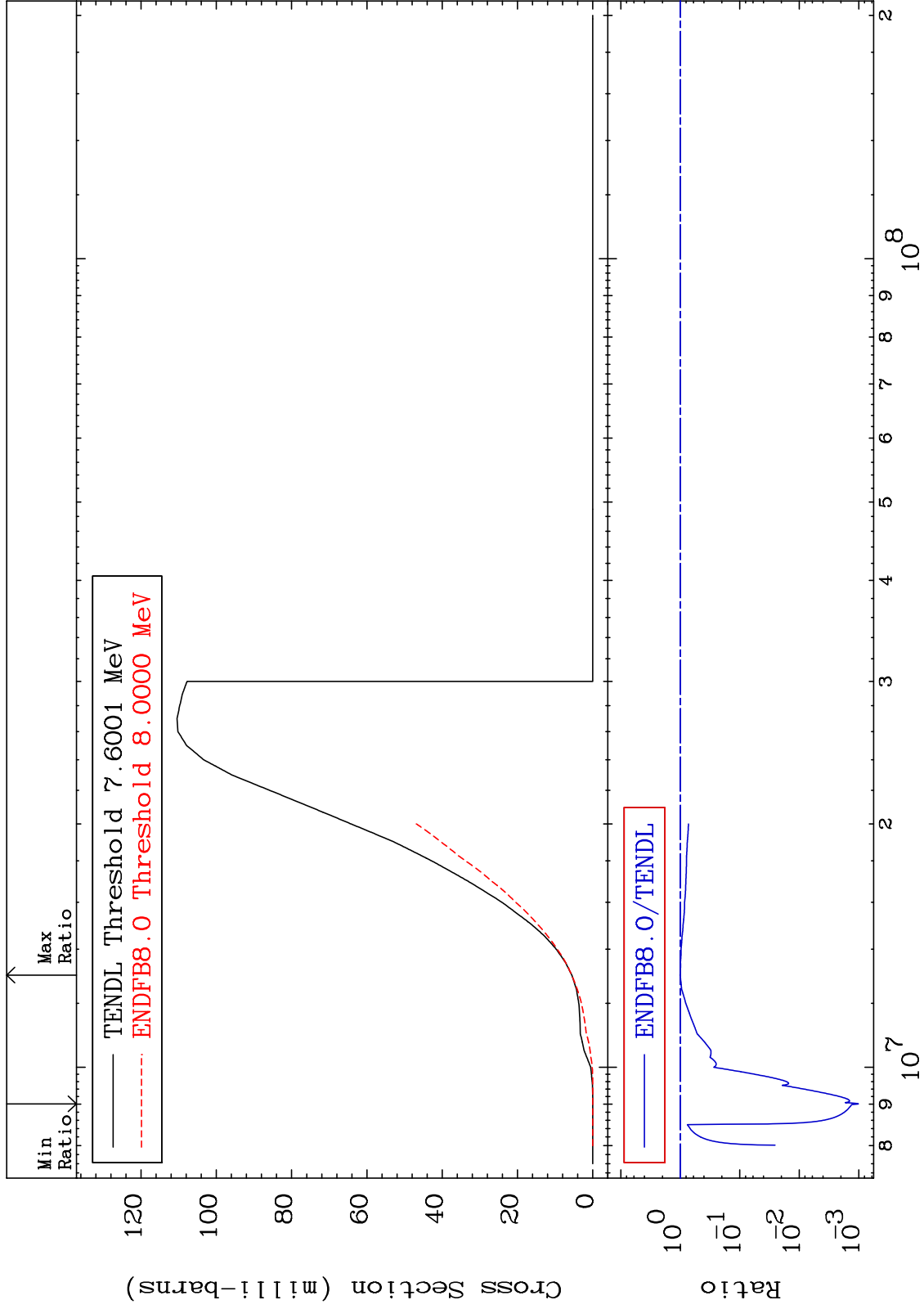
MAT 3531

(n,n') p

35-Br-81

Cross Section

-99.90 To 1.107 %



7

Incident Energy (eV)

35-Br-81

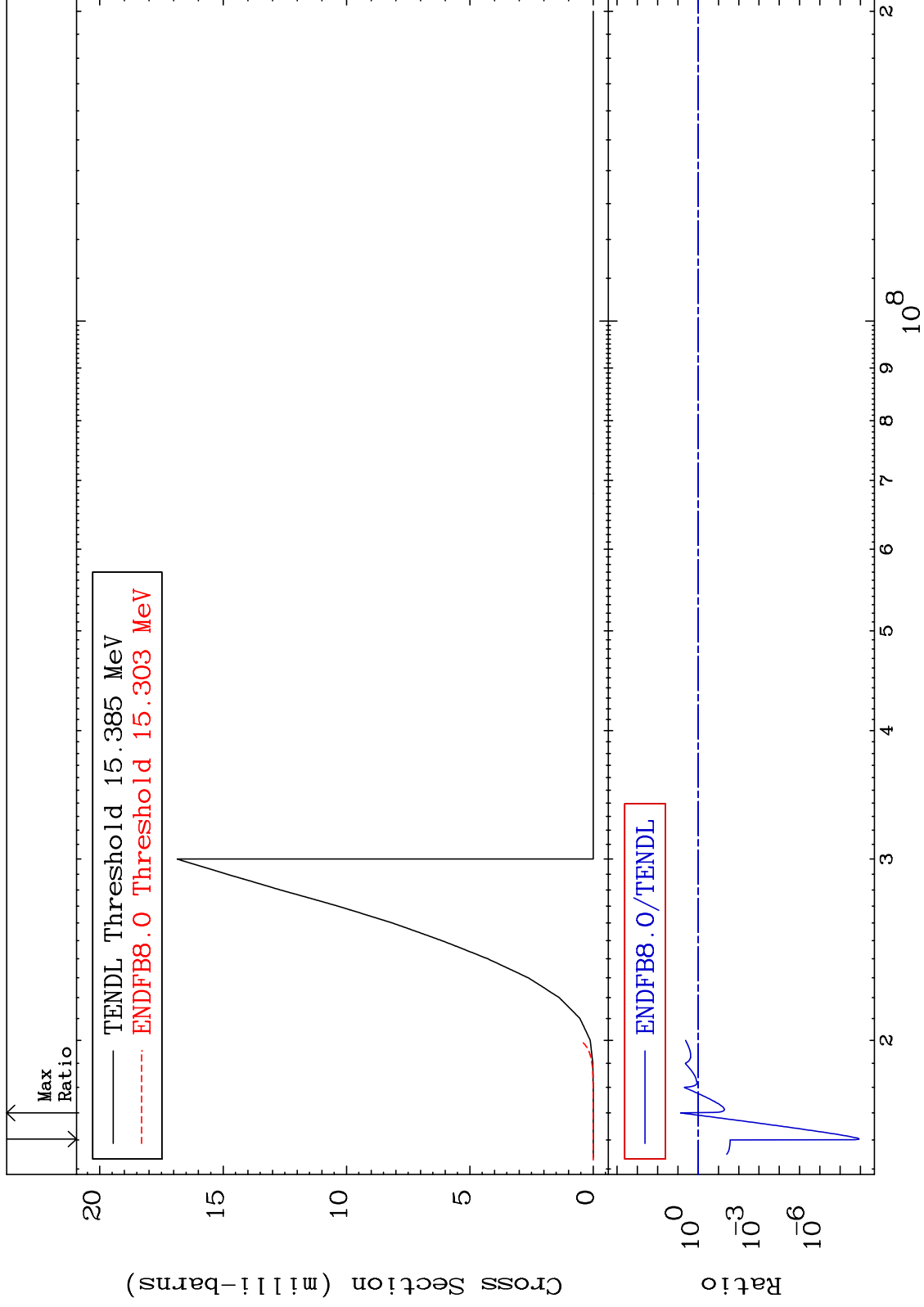
MAT 3531

(n,n') d

35-Br-81

Cross Section

-100.0 To 633.2 %



8

Incident Energy (eV)

35-Br-81

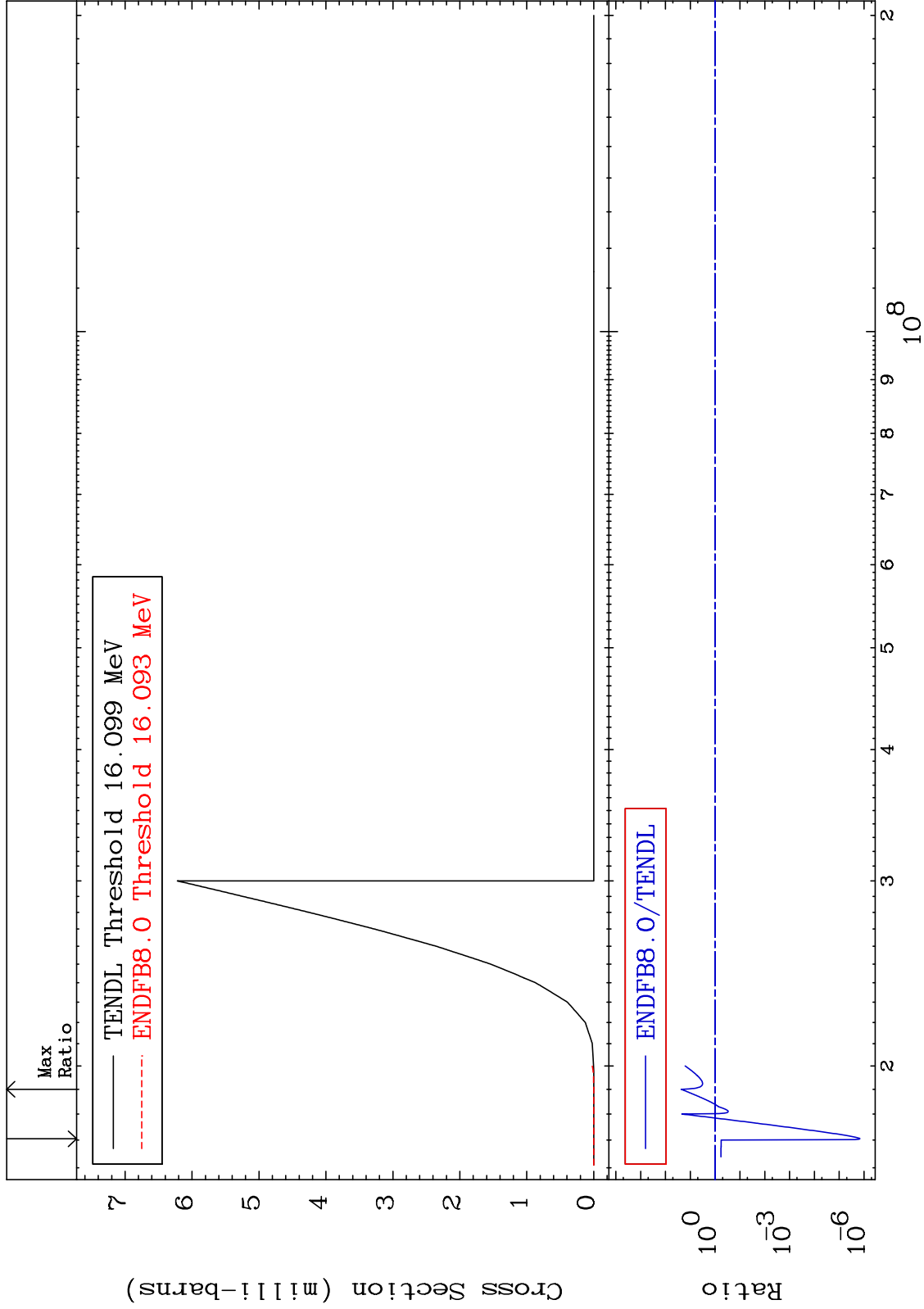
MAT 3531

(n,n') t

35-Br-81

Cross Section

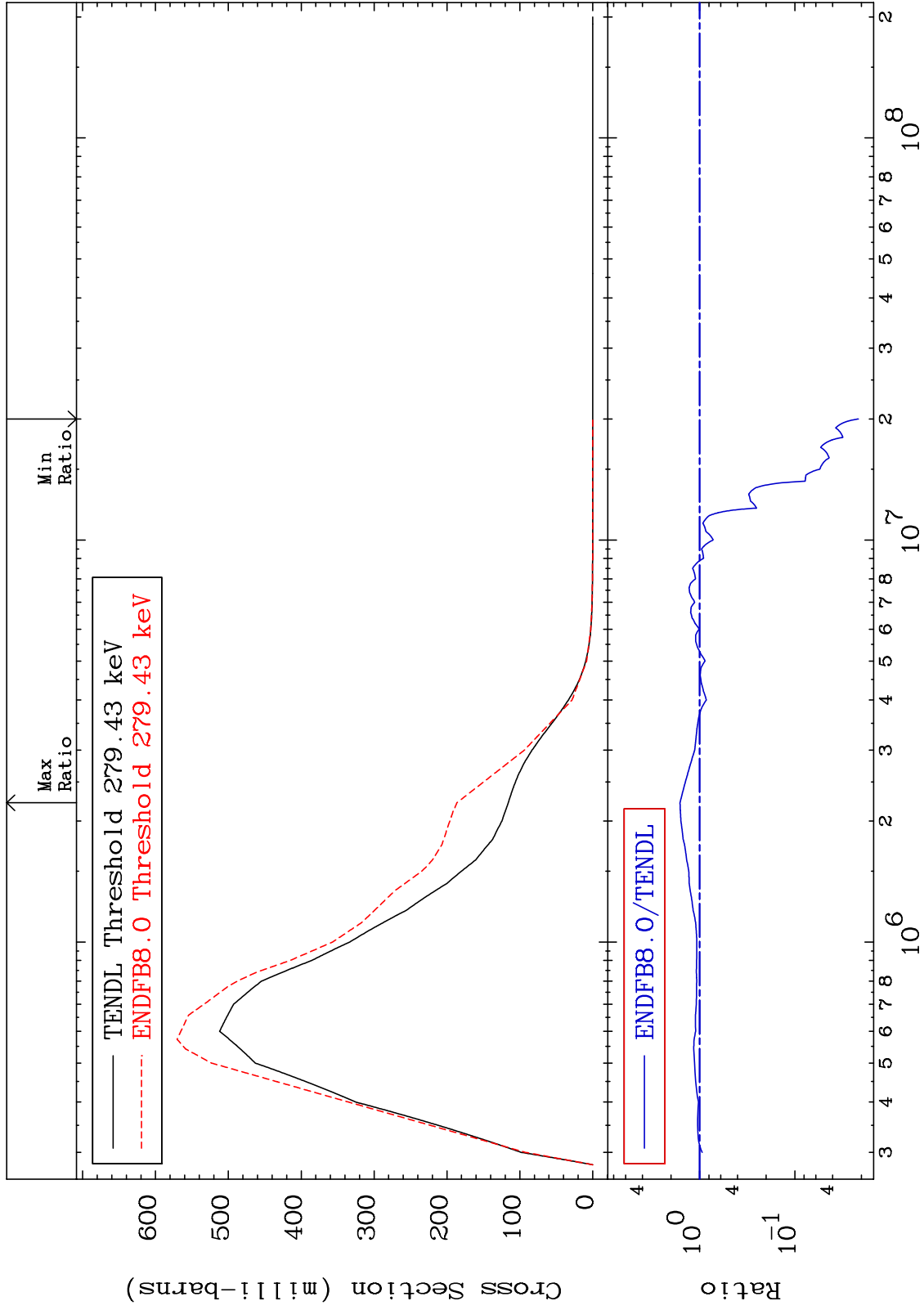
-100.0 To 2222. %



MAT 3531

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

35-Br-81
-97.85 To 60.77 %



10

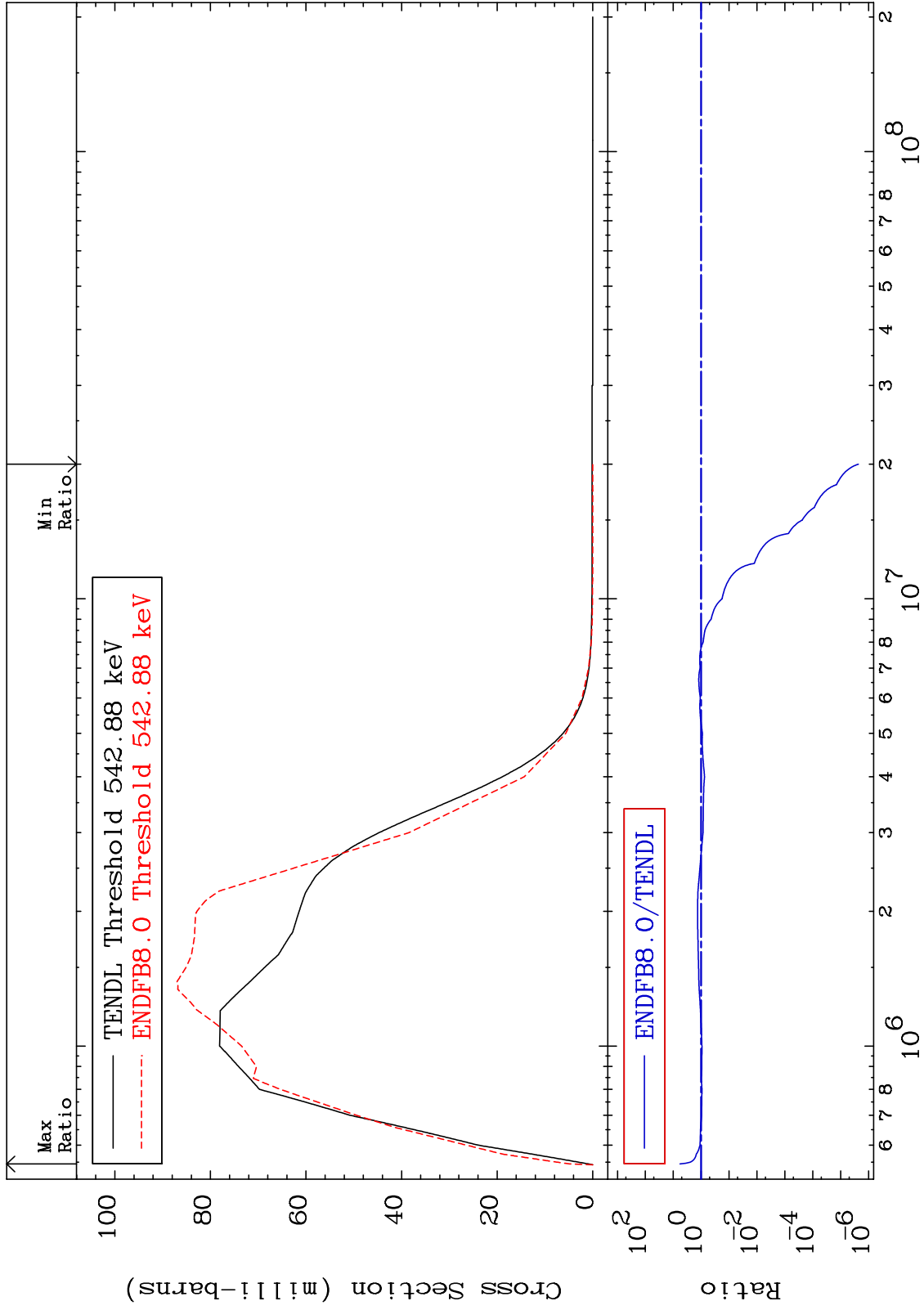
Incident Energy (eV)

35-Br-81

MAT 3531

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

35-Br-81
-100.0 To 473.3 %



11

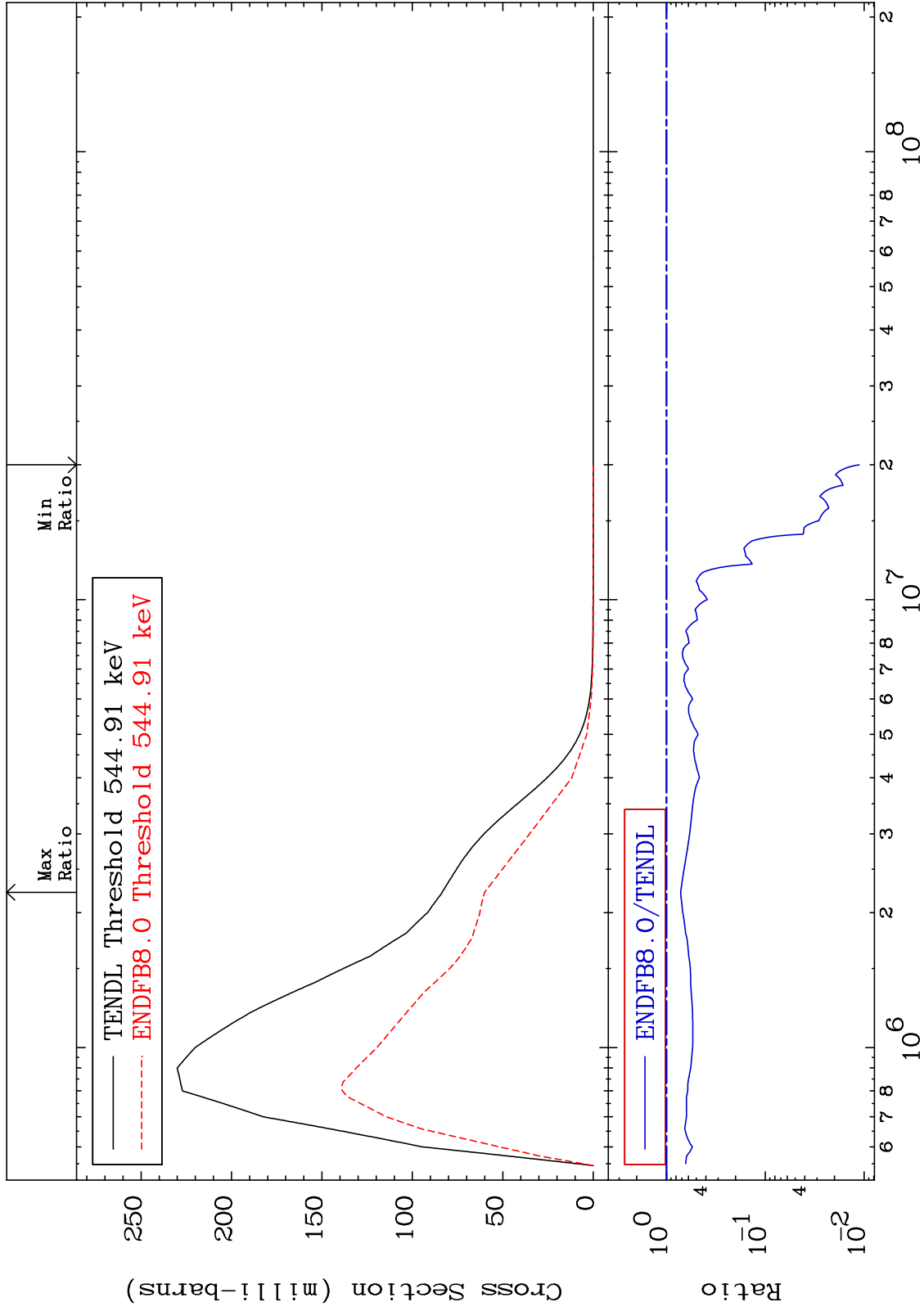
Incident Energy (eV)

35-Br-81

MAT 3531

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

35-Br-81
-98.88 To -28.07%



12

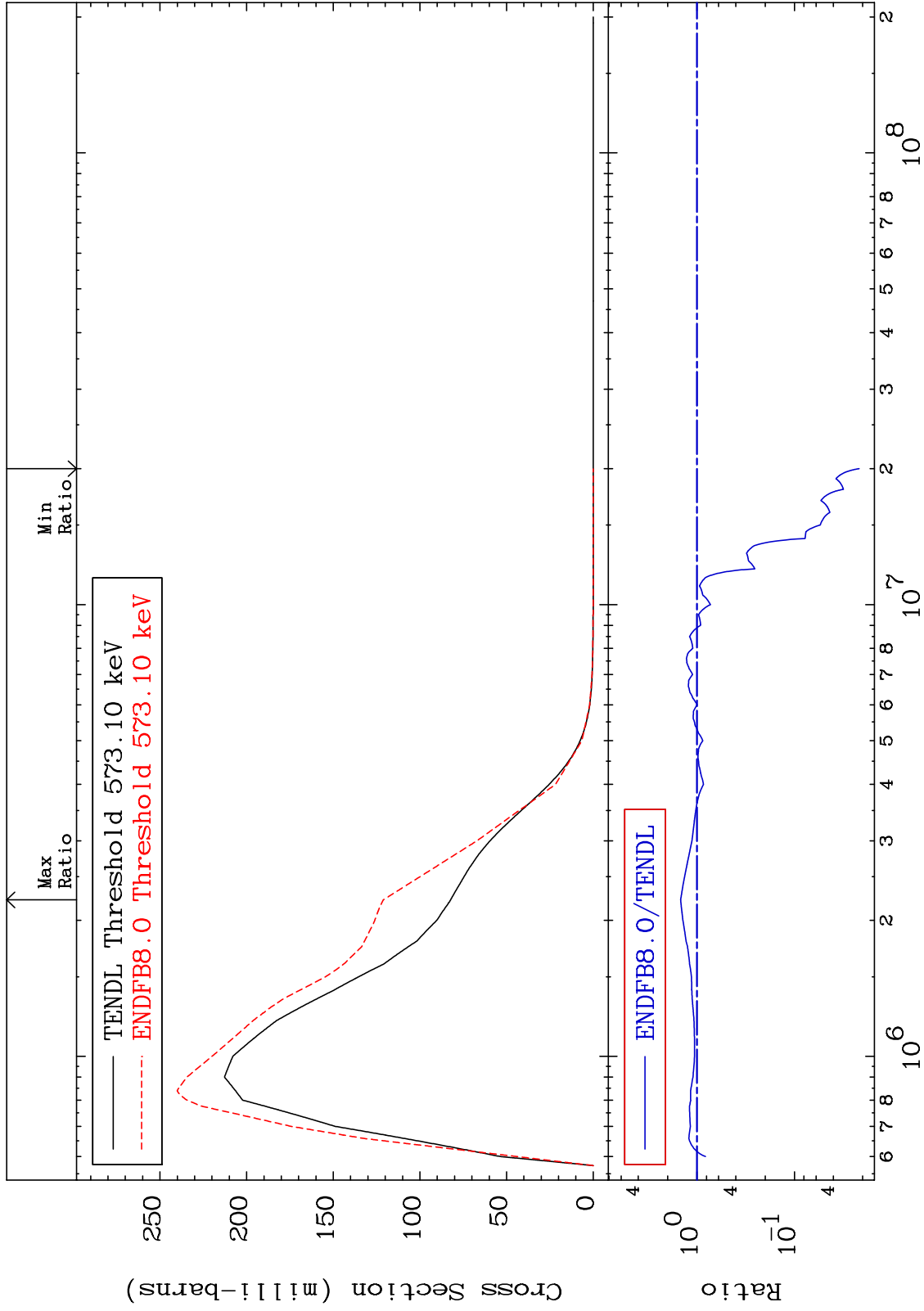
35-Br-81

35-Br-81

MAT 3531

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

35-Br-81
-97.83 To 47.19 %



13

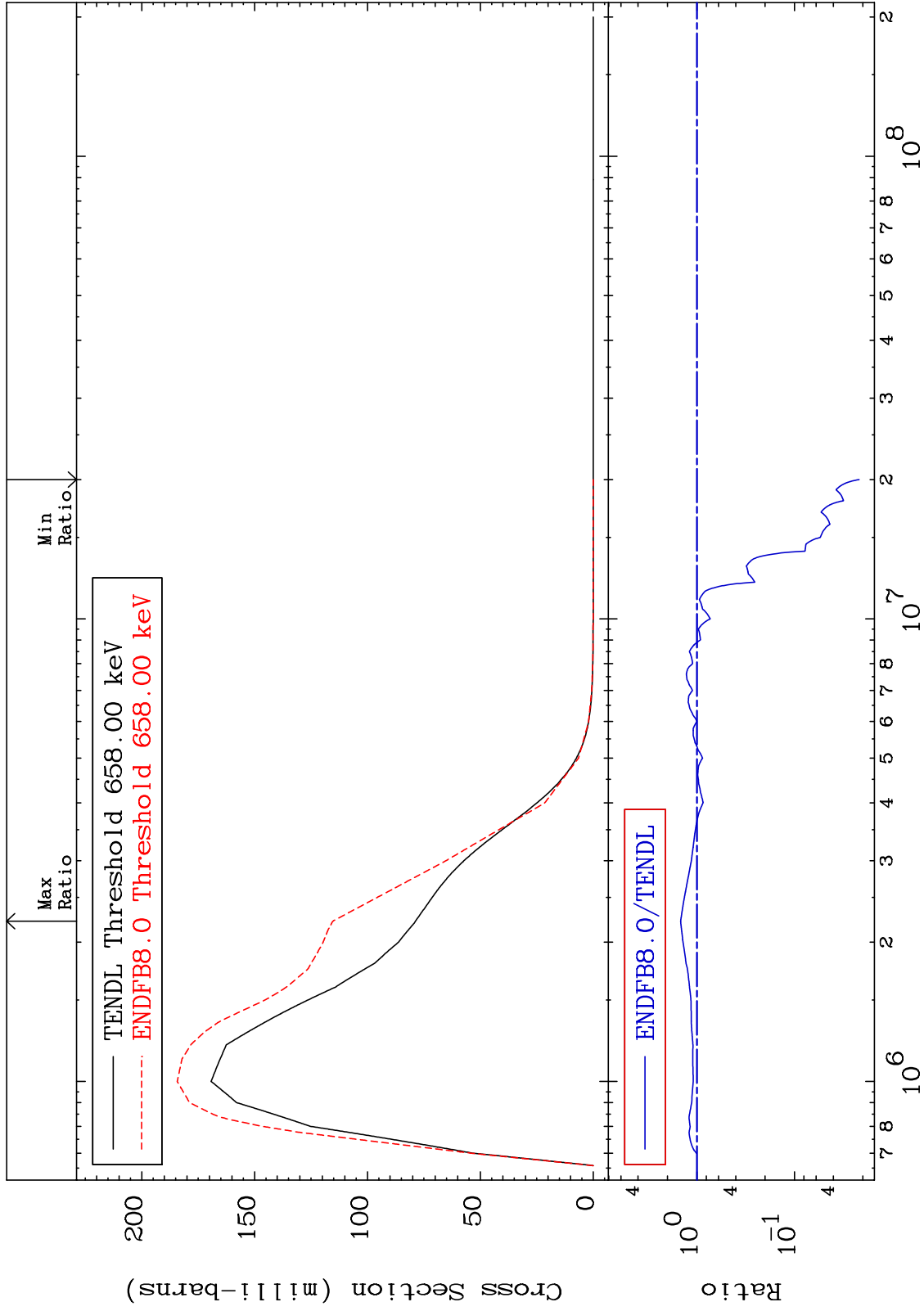
Incident Energy (eV)

35-Br-81

MAT 3531

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

35-Br-81
-97.82 To 46.60 %



14

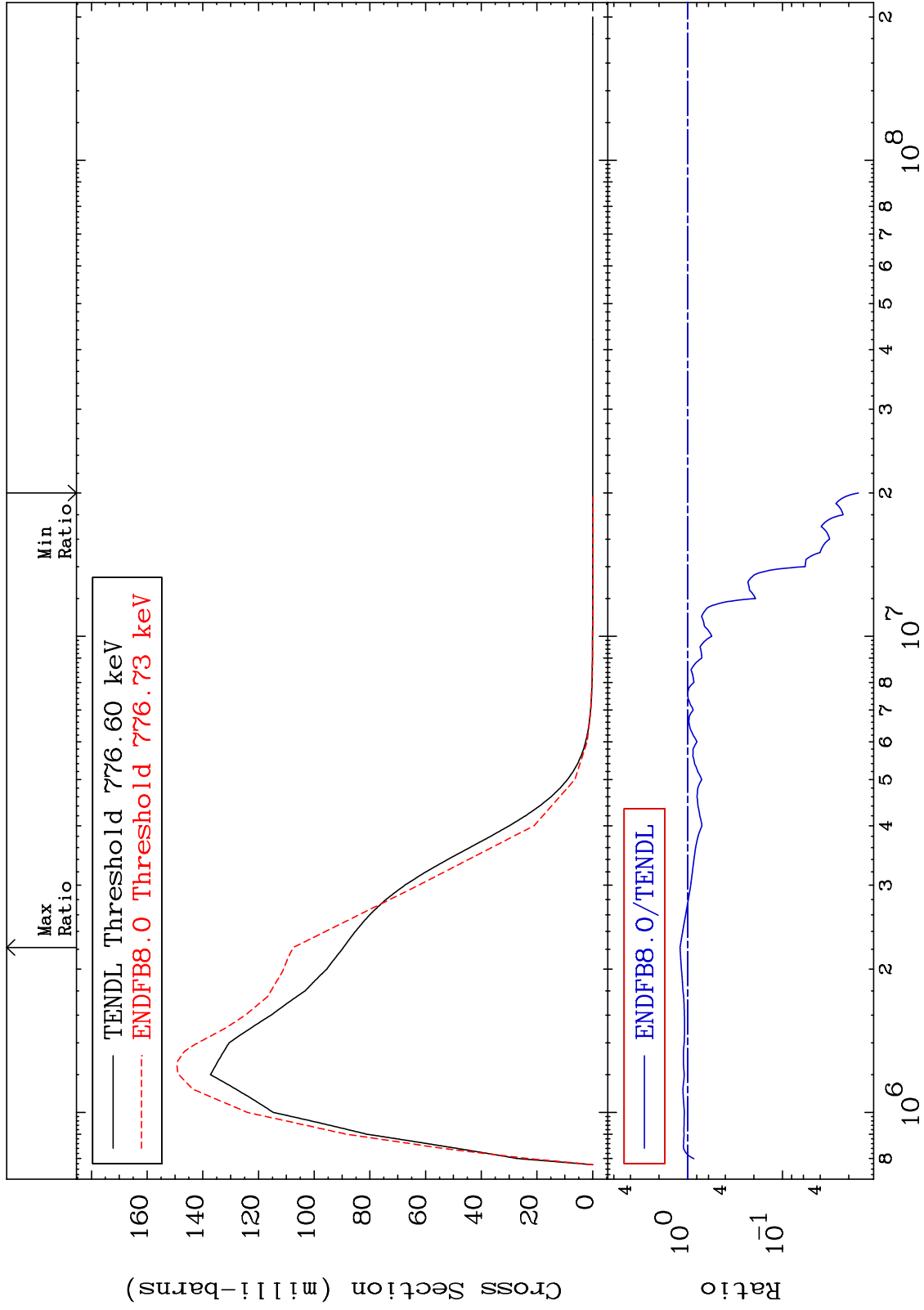
Incident Energy (eV)

35-Br-81

MAT 3531

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

35-Br-81
-98.42 To 20.13 %



15

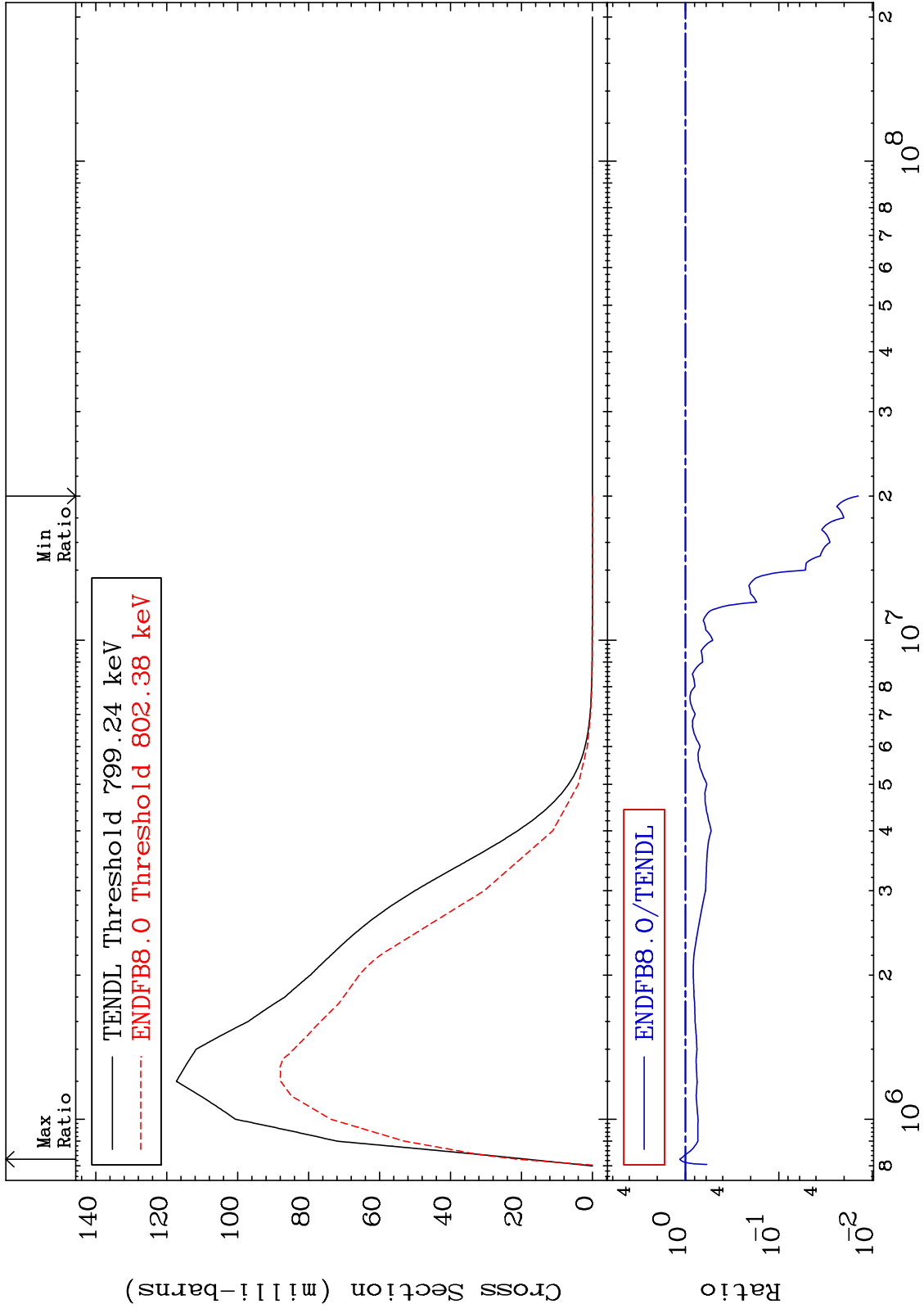
35-Br-81

35-Br-81

MAT 3531

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

35-Br-81
-98.59 To 15.00 %



16

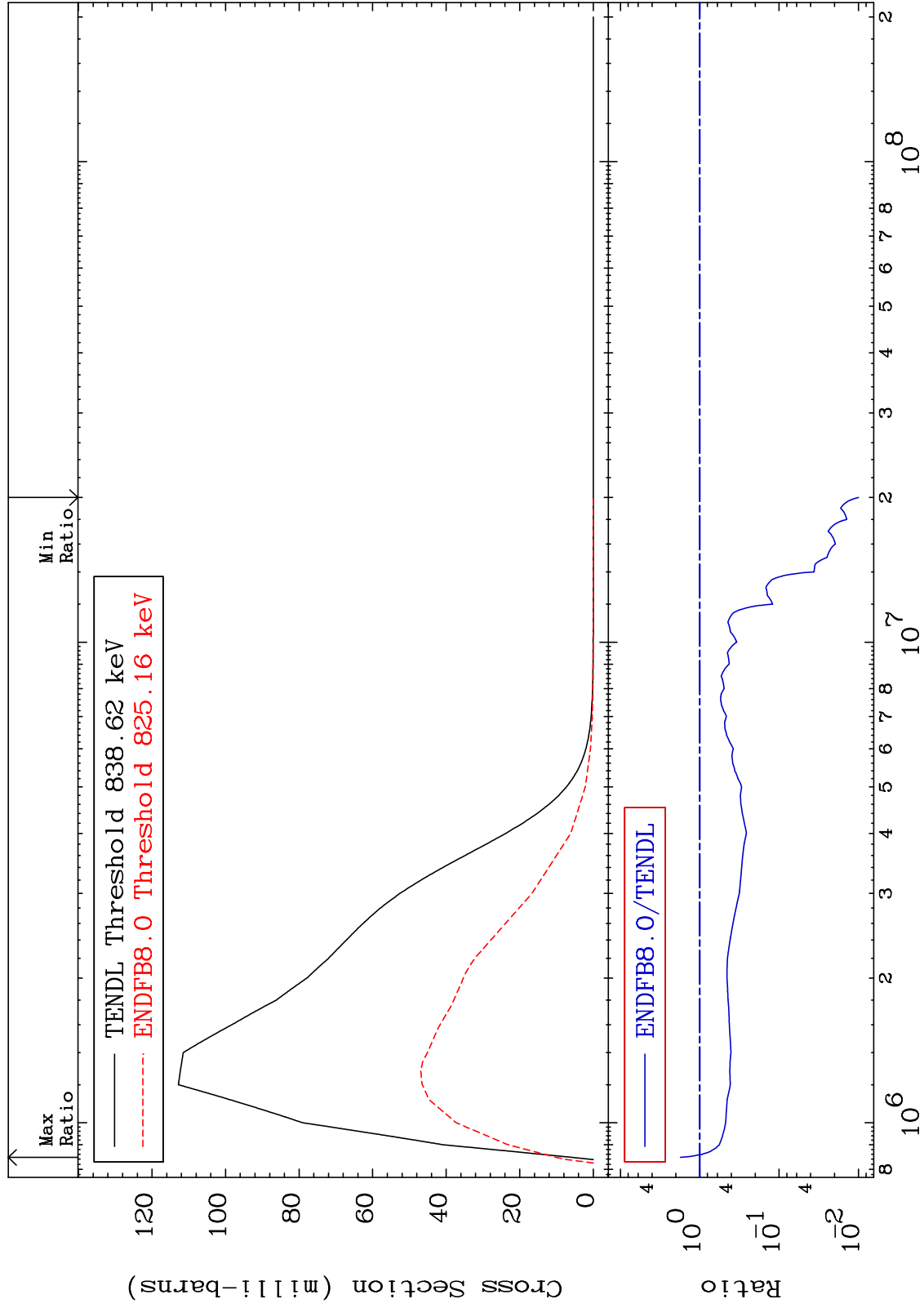
Incident Energy (eV)

35-Br-81

MAT 3531

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

35-Br-81
-99.00 To 75.21 %



17

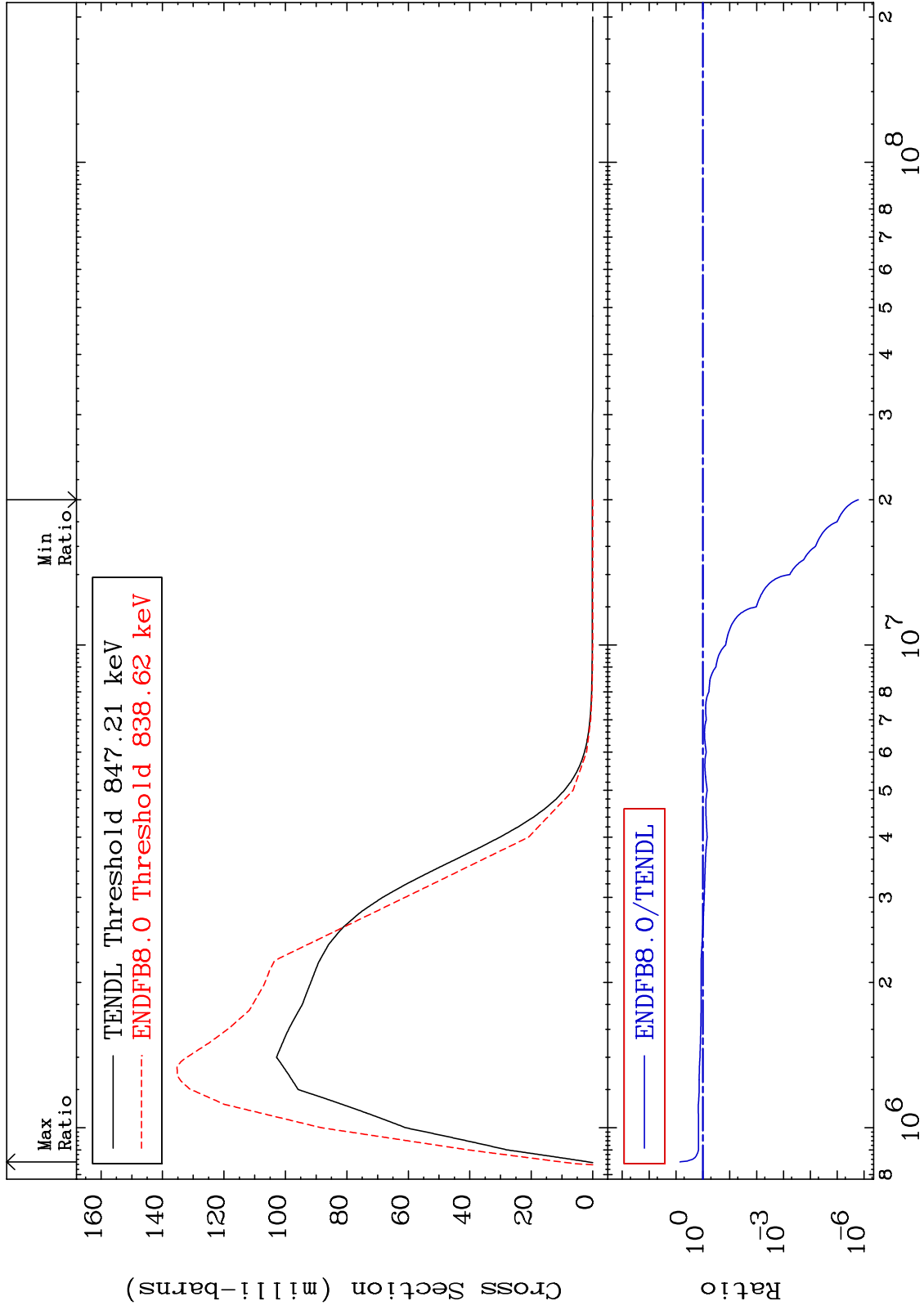
35-Br-81

35-Br-81

MAT 3531

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

35-Br-81
-100.0 To 608.2 %



18

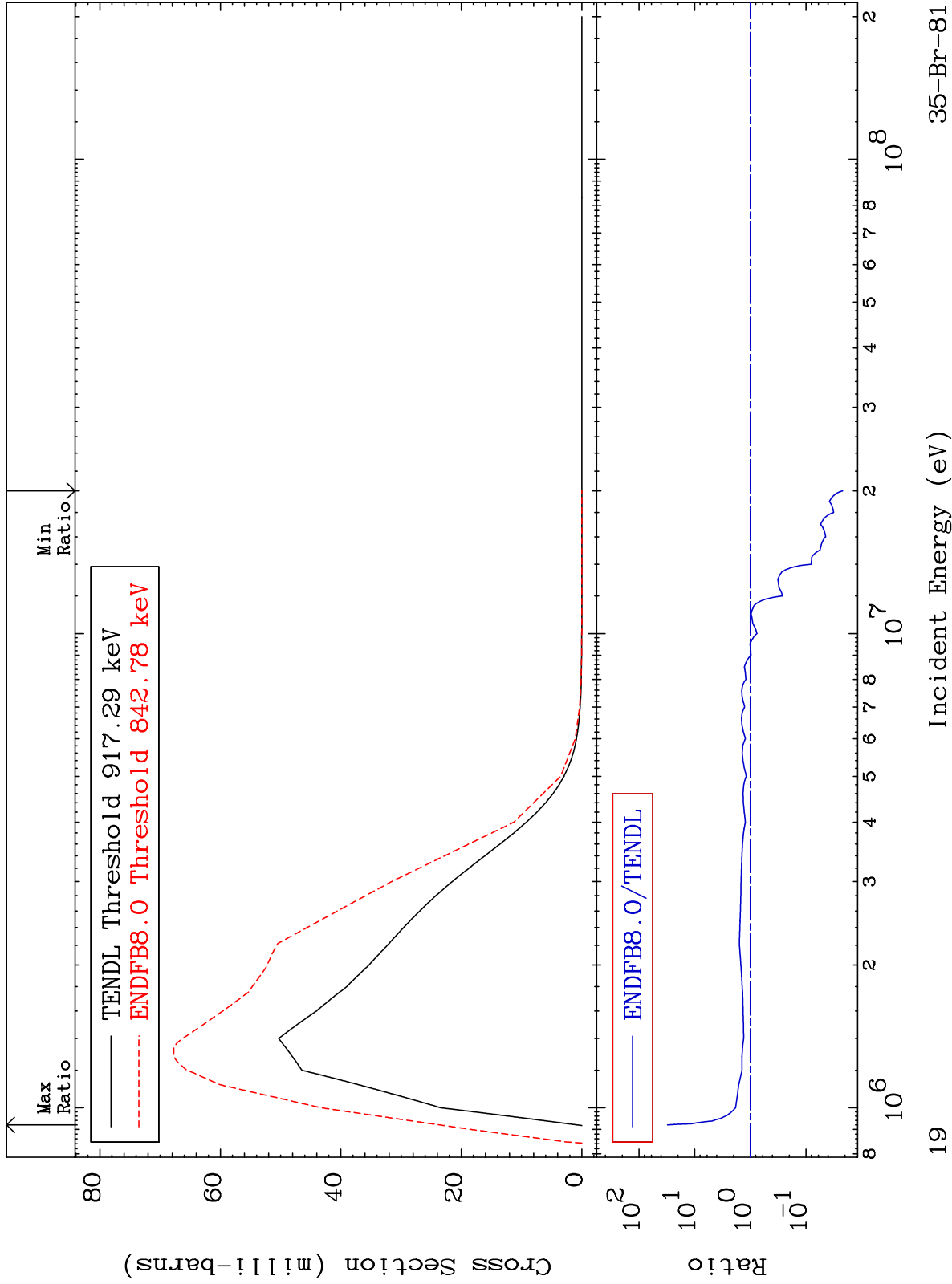
Incident Energy (eV)

35-Br-81

MAT 3531

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

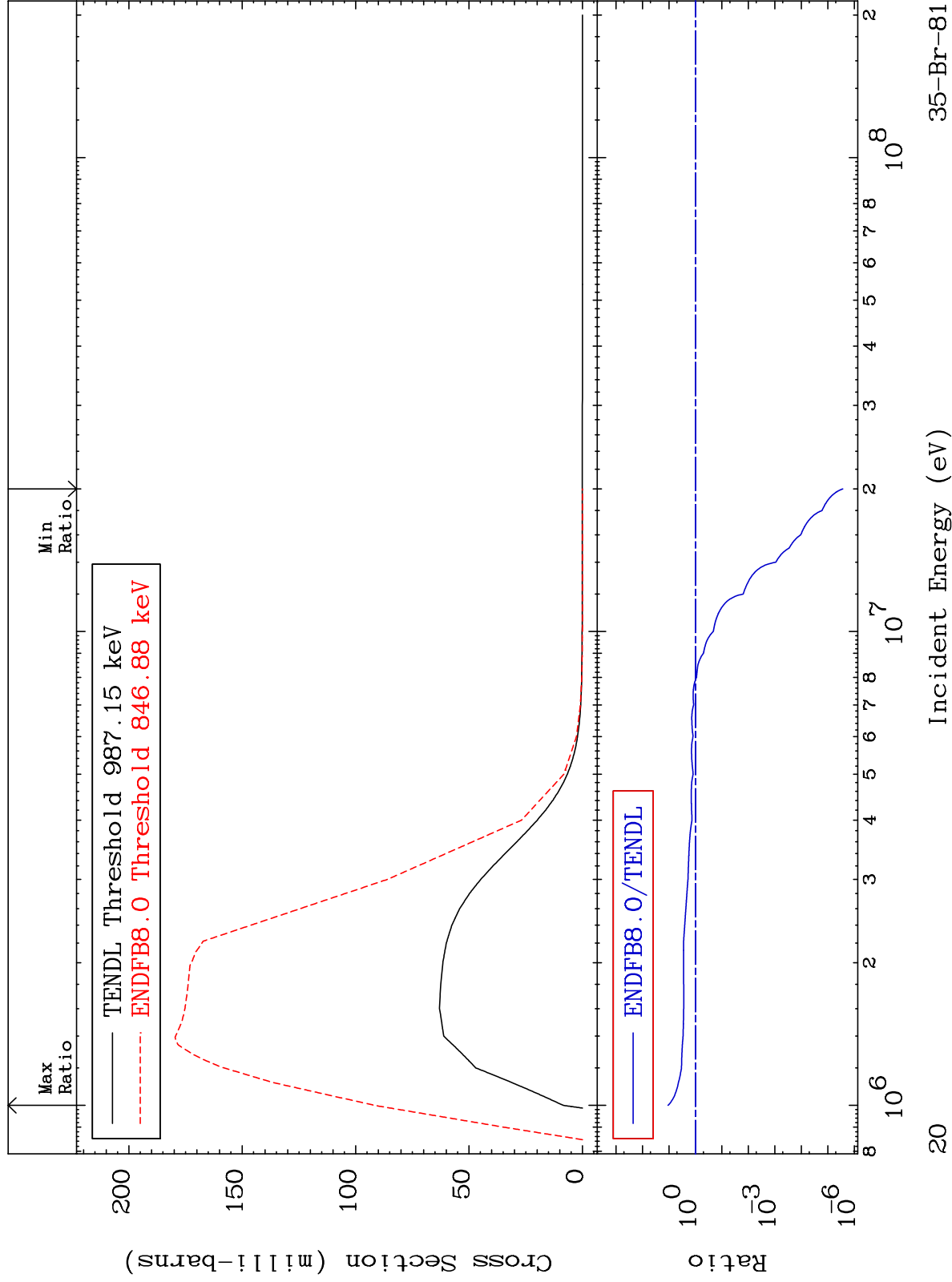
35-Br-81
-97.81 To 2970. %



MAT 3531

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

35-Br-81
-100.0 To 985.2 %



20

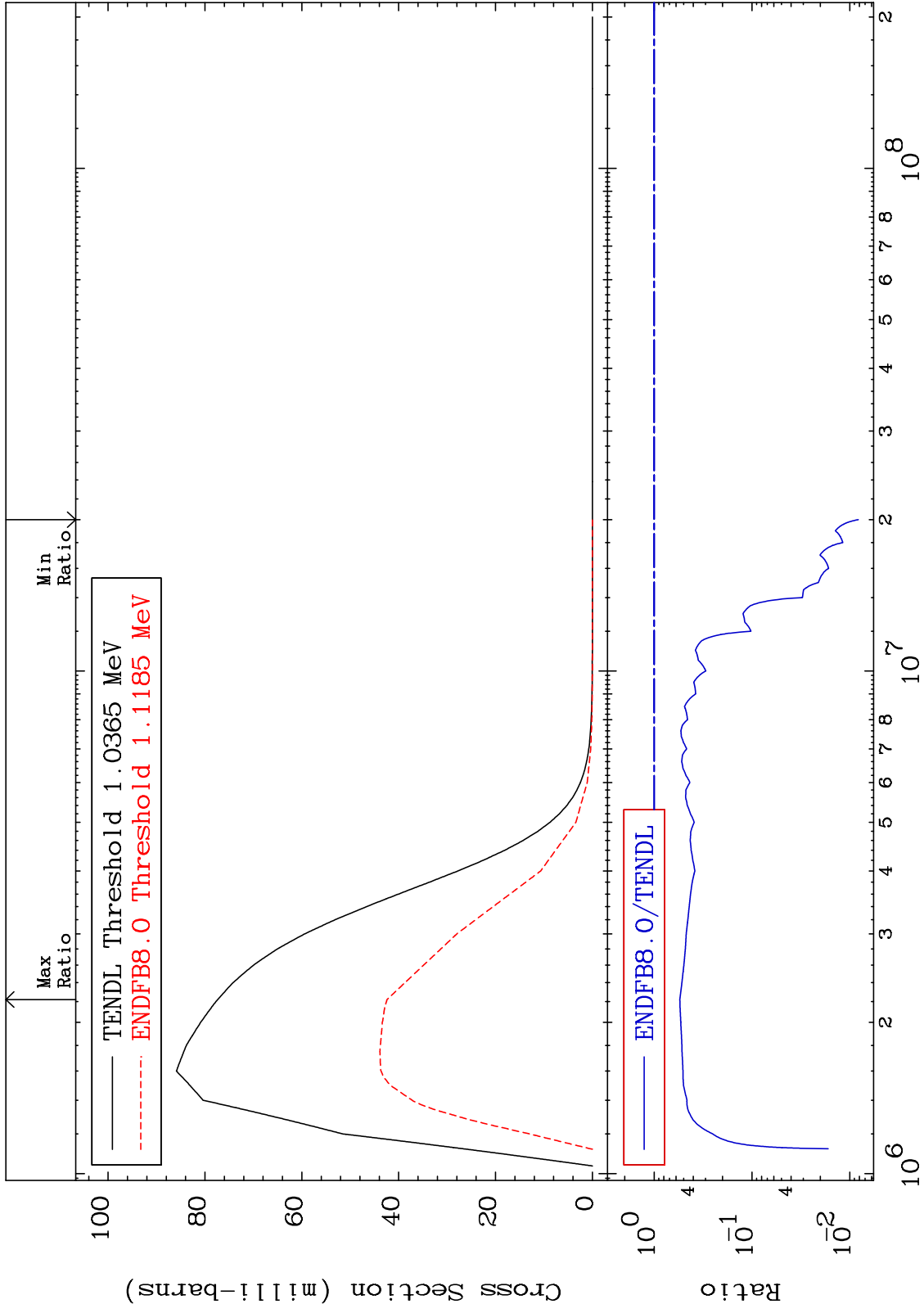
Incident Energy (eV)

35-Br-81

MAT 3531

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

35-Br-81
-99.18 To -45.19%



21

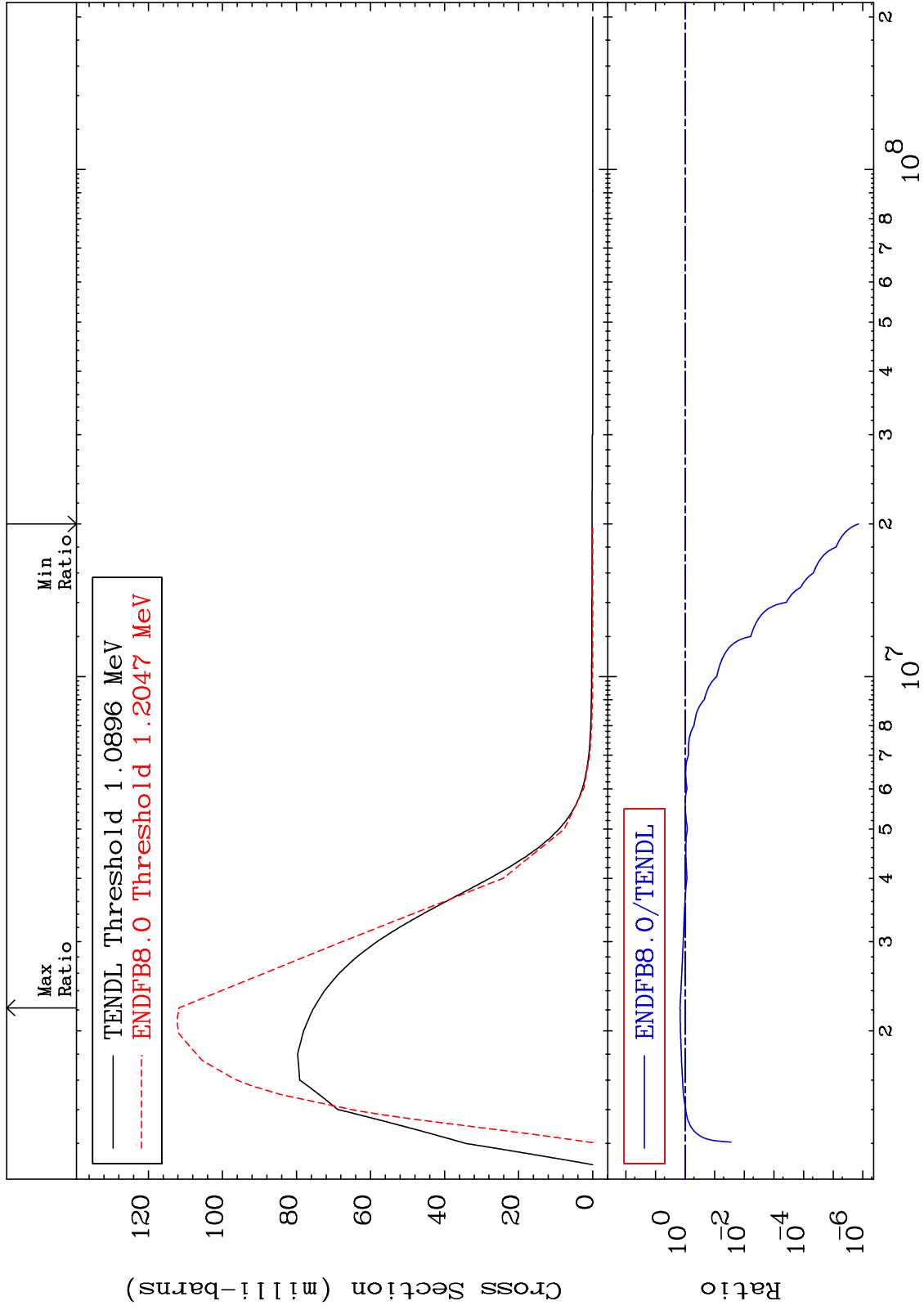
Incident Energy (eV)

35-Br-81

MAT 3531

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

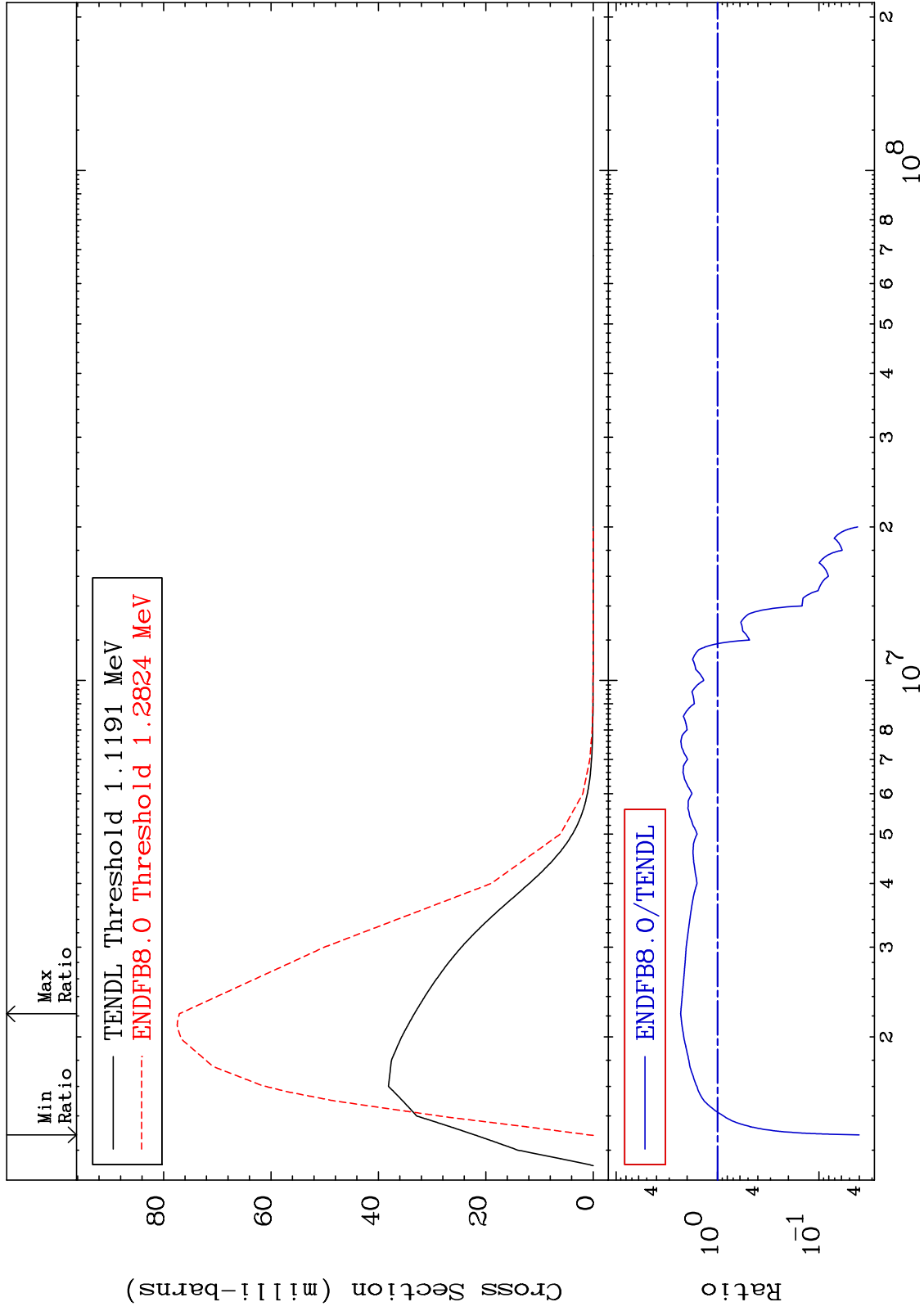
35-Br-81
-100.0 To 48.40 %



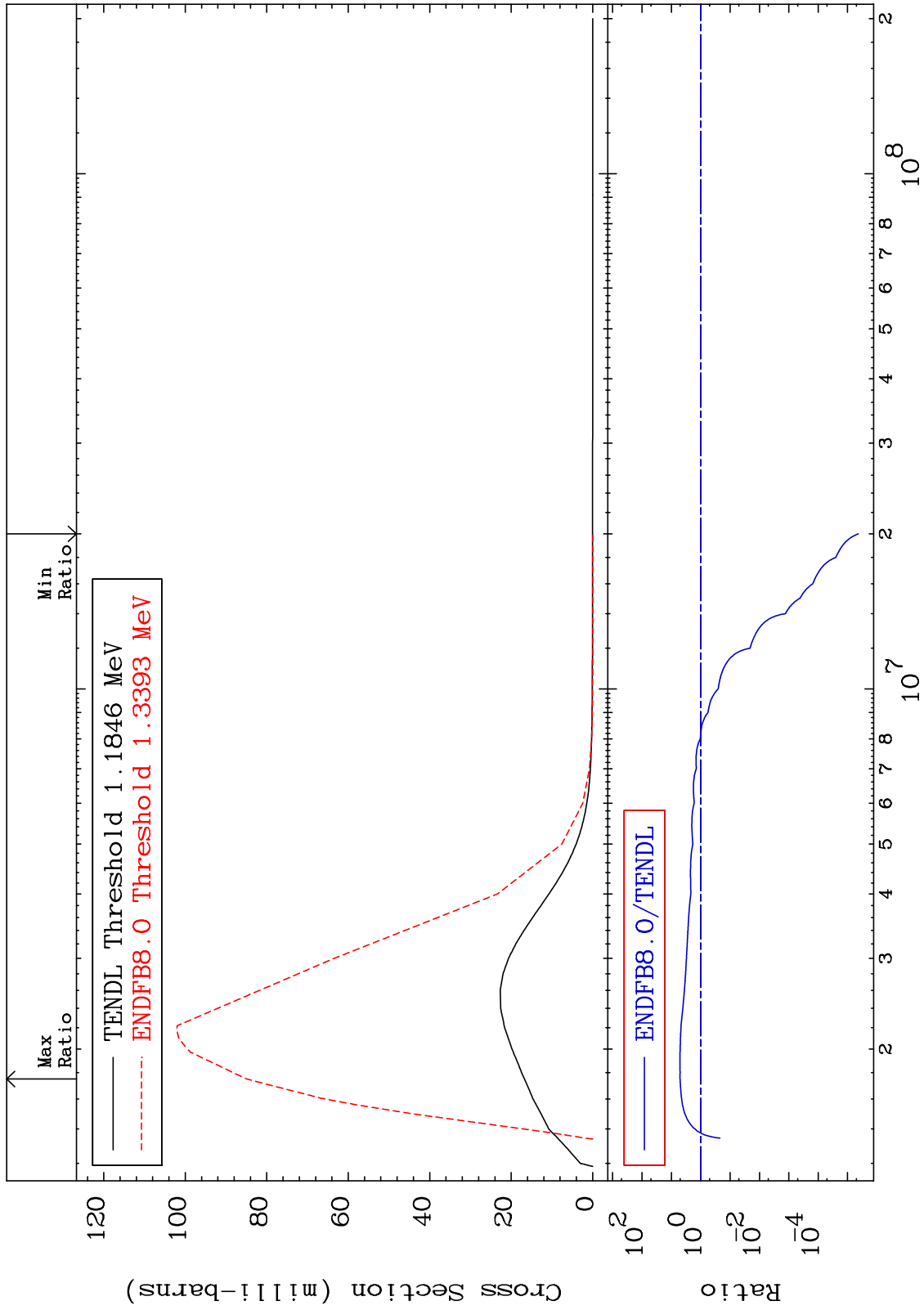
MAT 3531

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

35-Br-81
-95.99 To 131.4 %



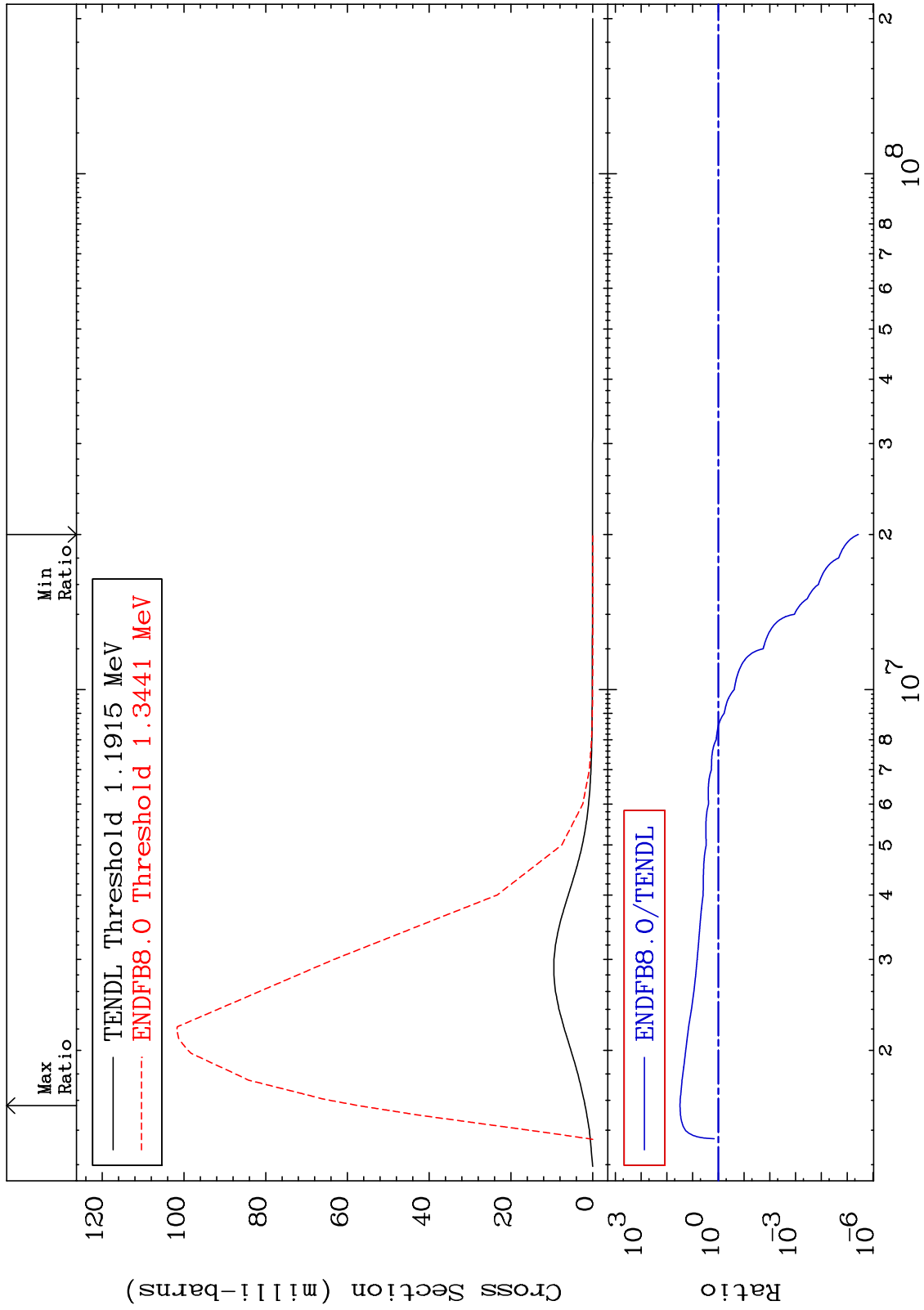
MAT 3531 MT= 65 (n,n') Level Cross Section 35-Br-81
 -100.0 To 407.7 %



35-Br-81

Incident Energy (eV)

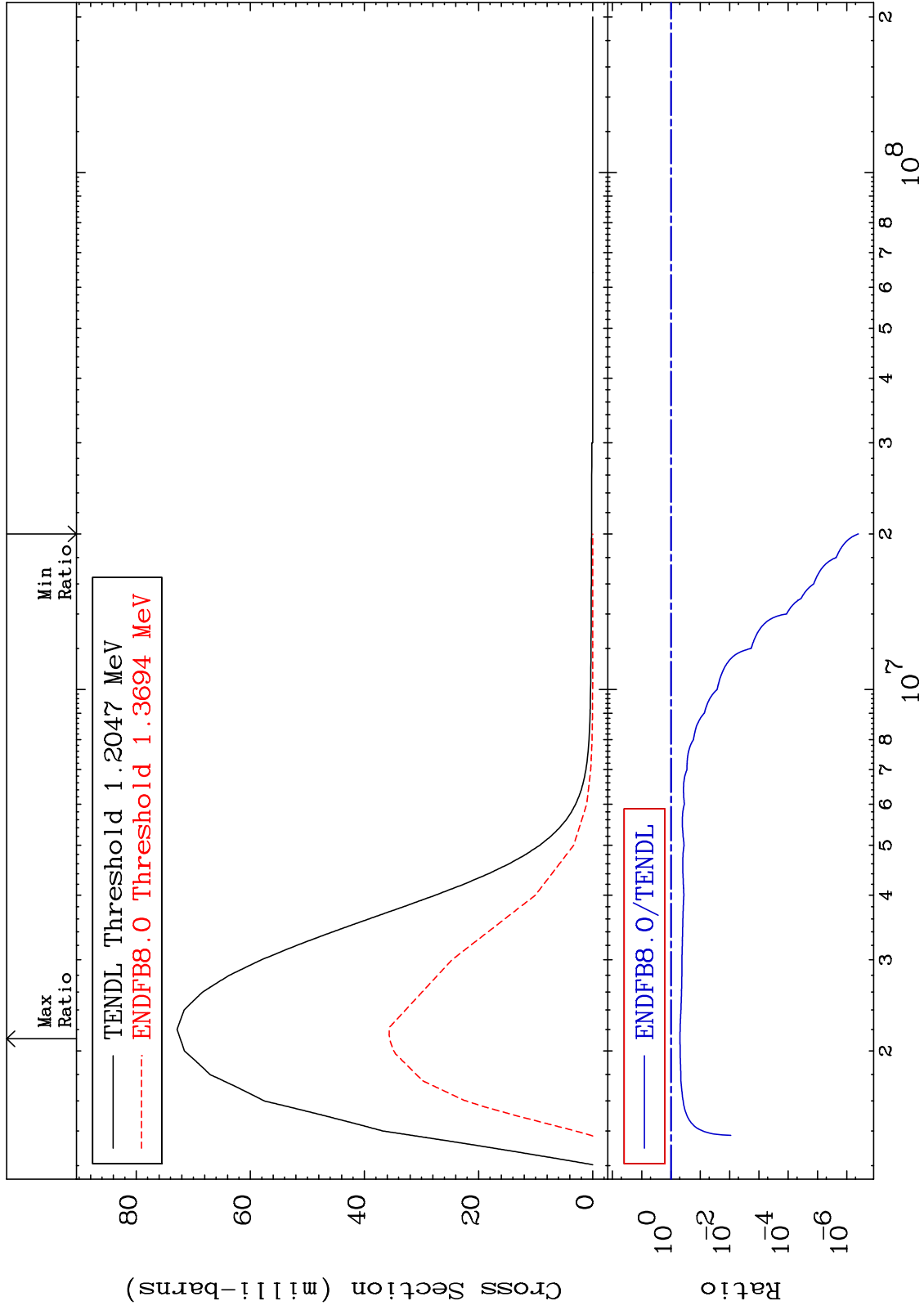
MAT 3531 MT= 66 (n,n') Level
 Cross Section 35-Br-81
 -100.0 To 2990. %



MAT 3531

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

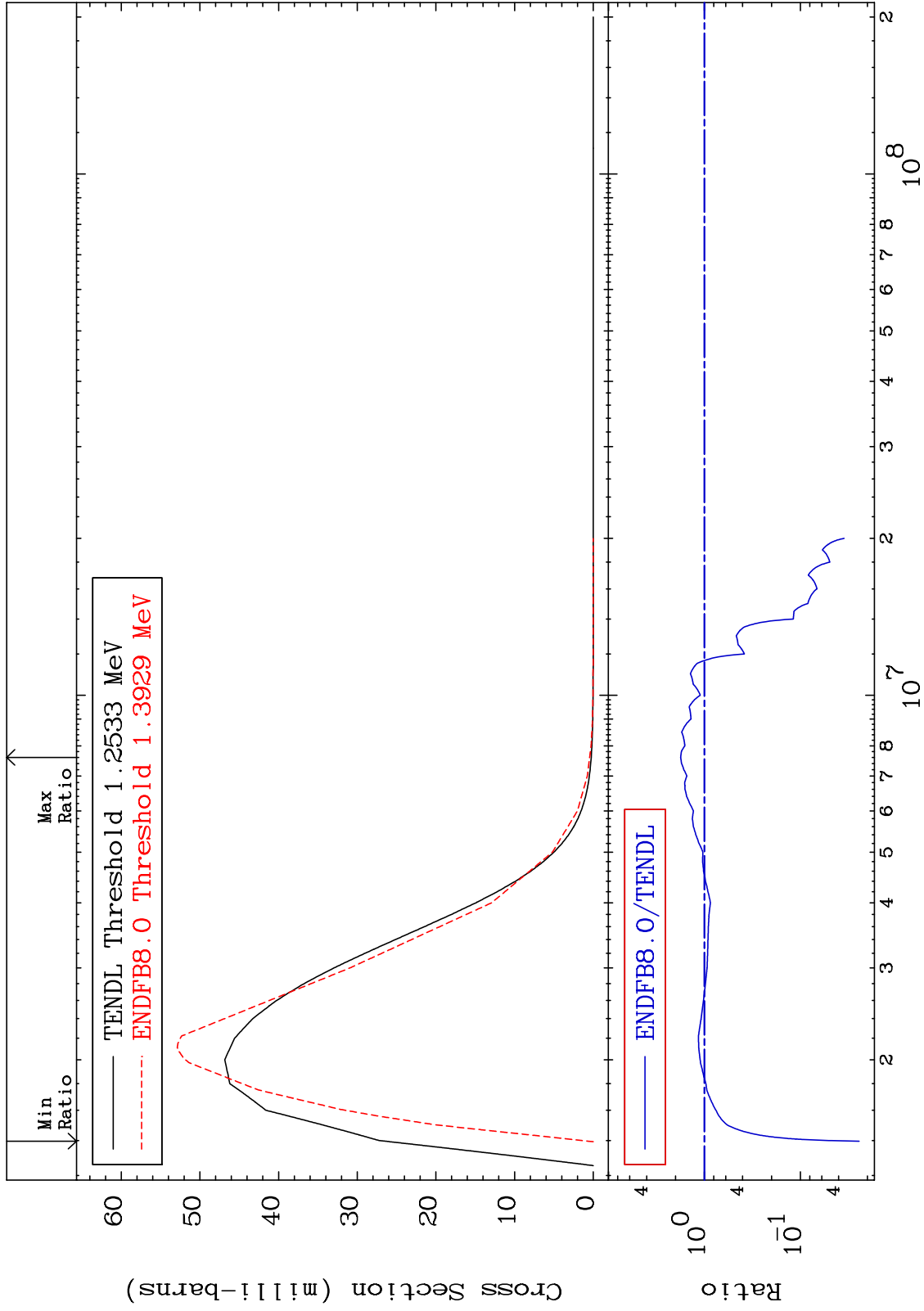
35-Br-81
-100.0 To -50.79%



MAT 3531

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

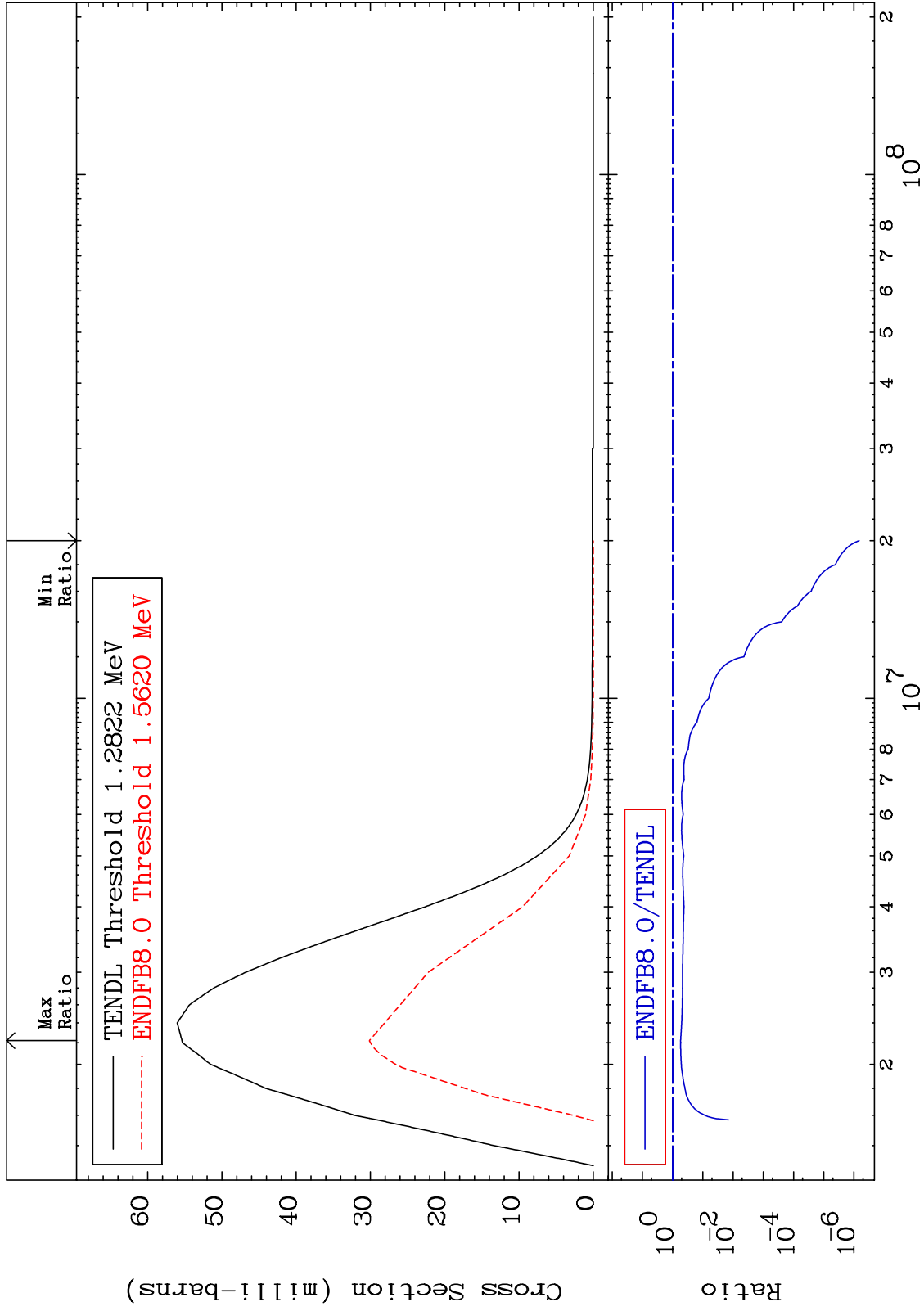
35-Br-81
-97.56 To 76.95 %



MAT 3531

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

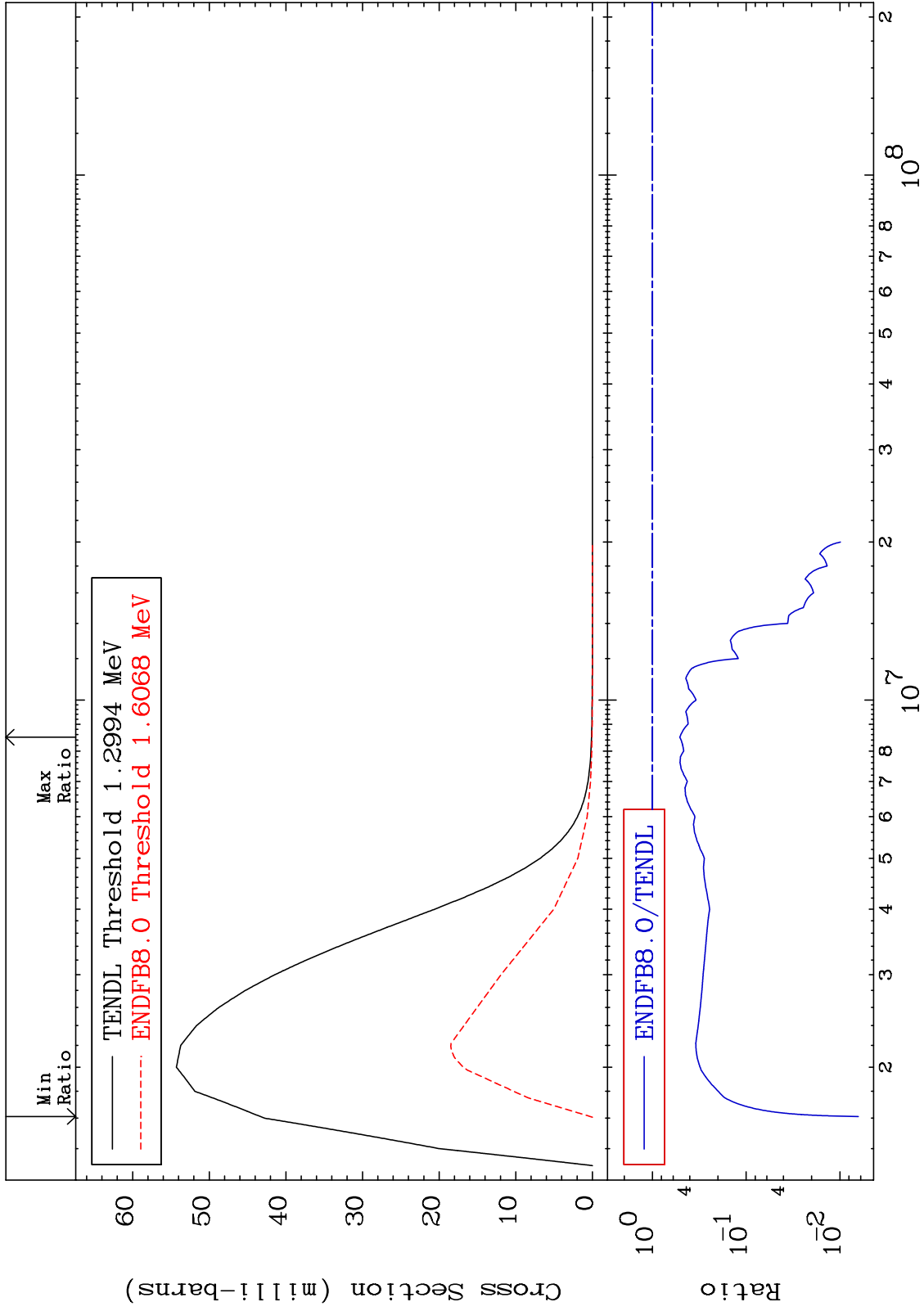
35-Br-81
-100.0 To -45.58%



MAT 3531

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

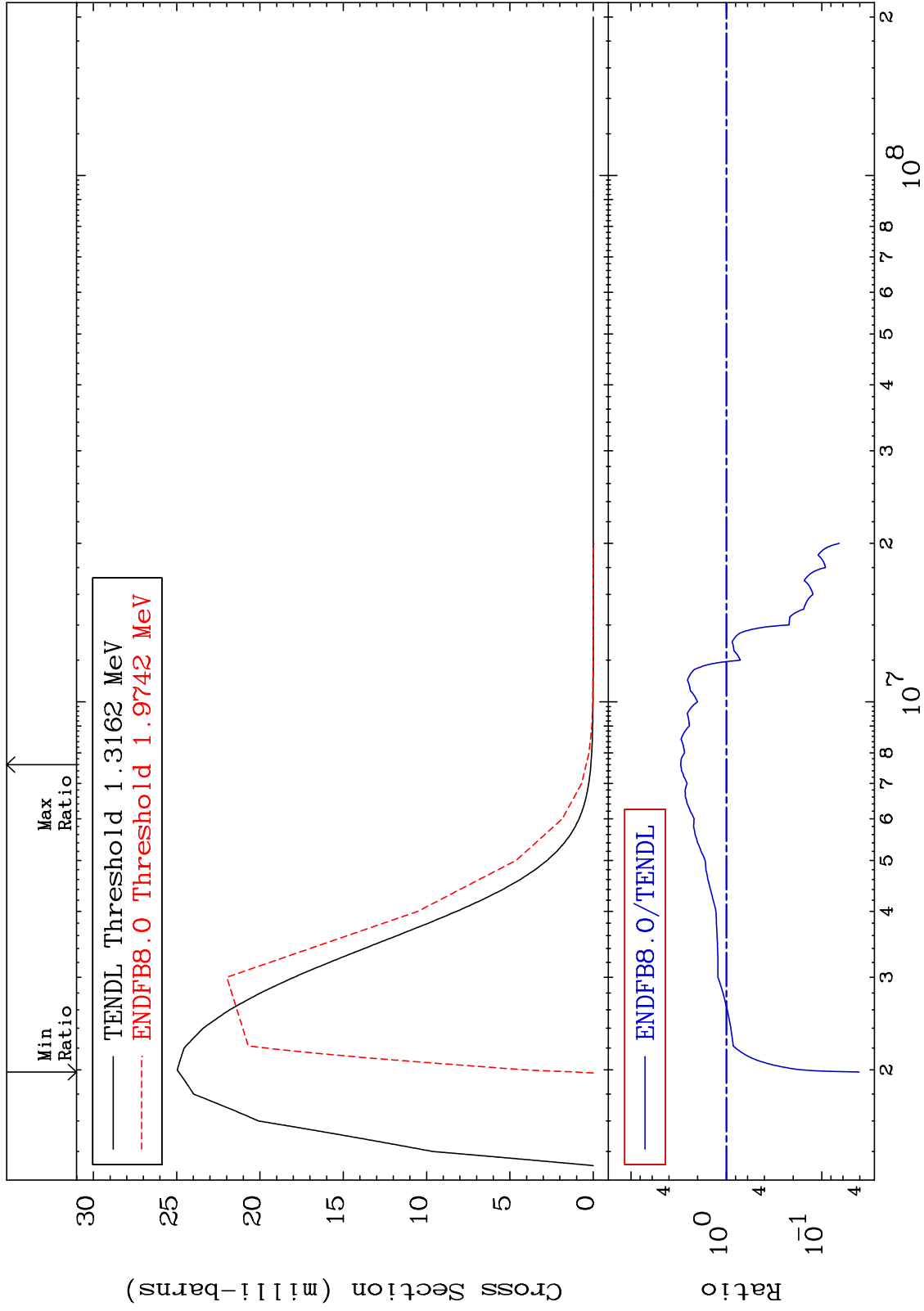
35-Br-81
-99.36 To -48.99%



MAT 3531

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

35-Br-81
-95.94 To 201.6 %



30

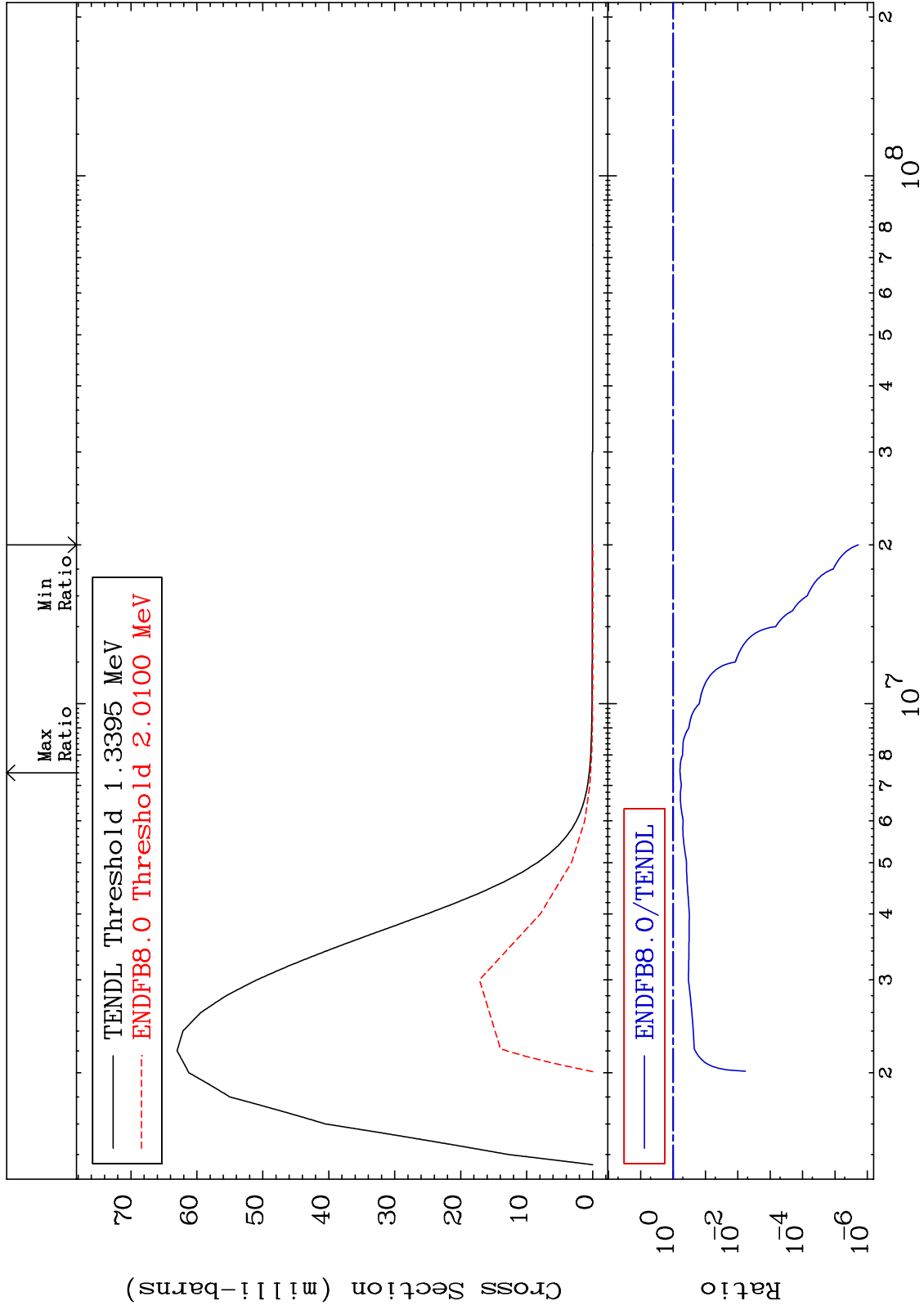
Incident Energy (eV)

35-Br-81

MAT 3531

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

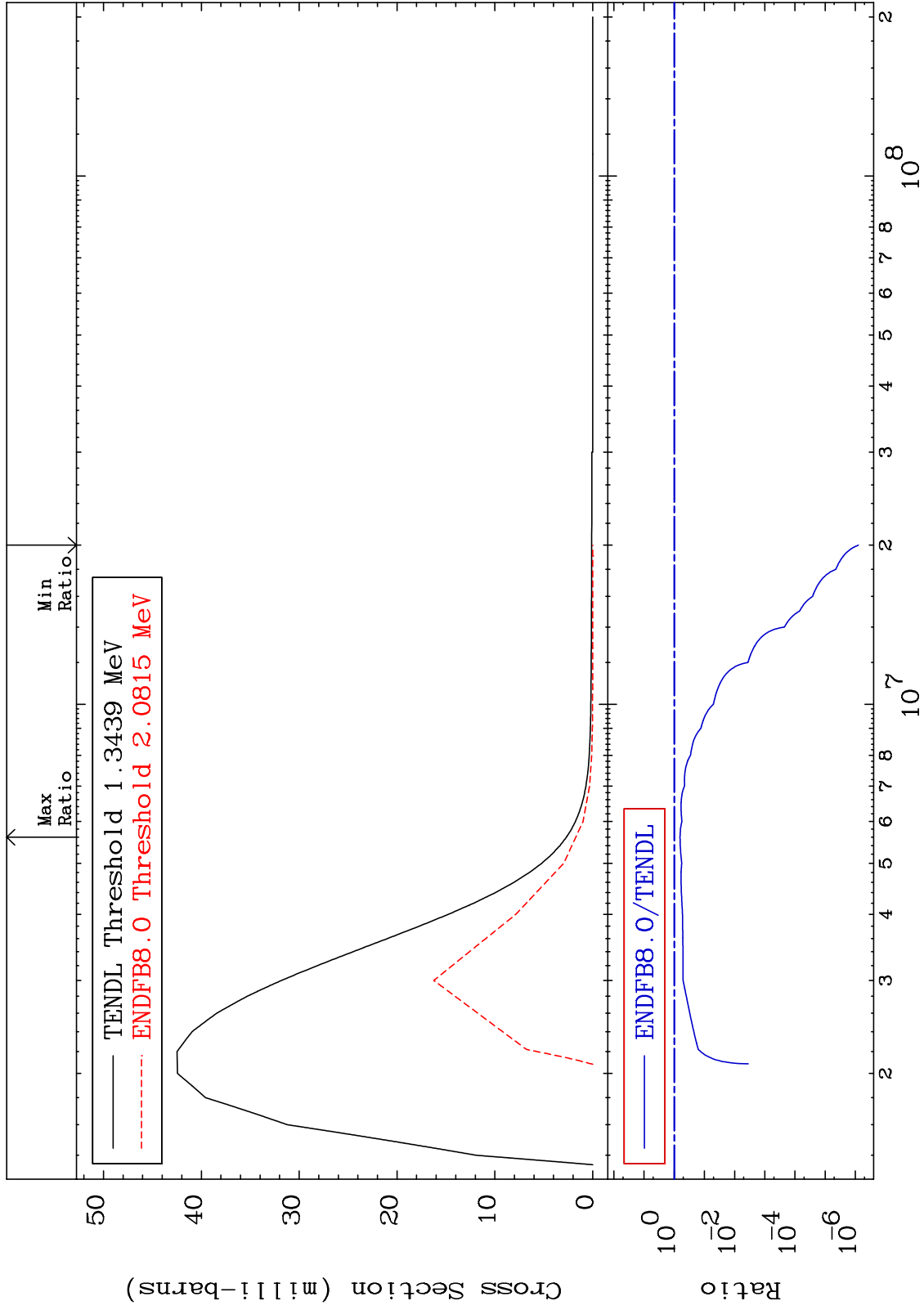
35-Br-81
-100.0 To -38.85%



MAT 3531

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

35-Br-81
-100.0 To -35.63%



32

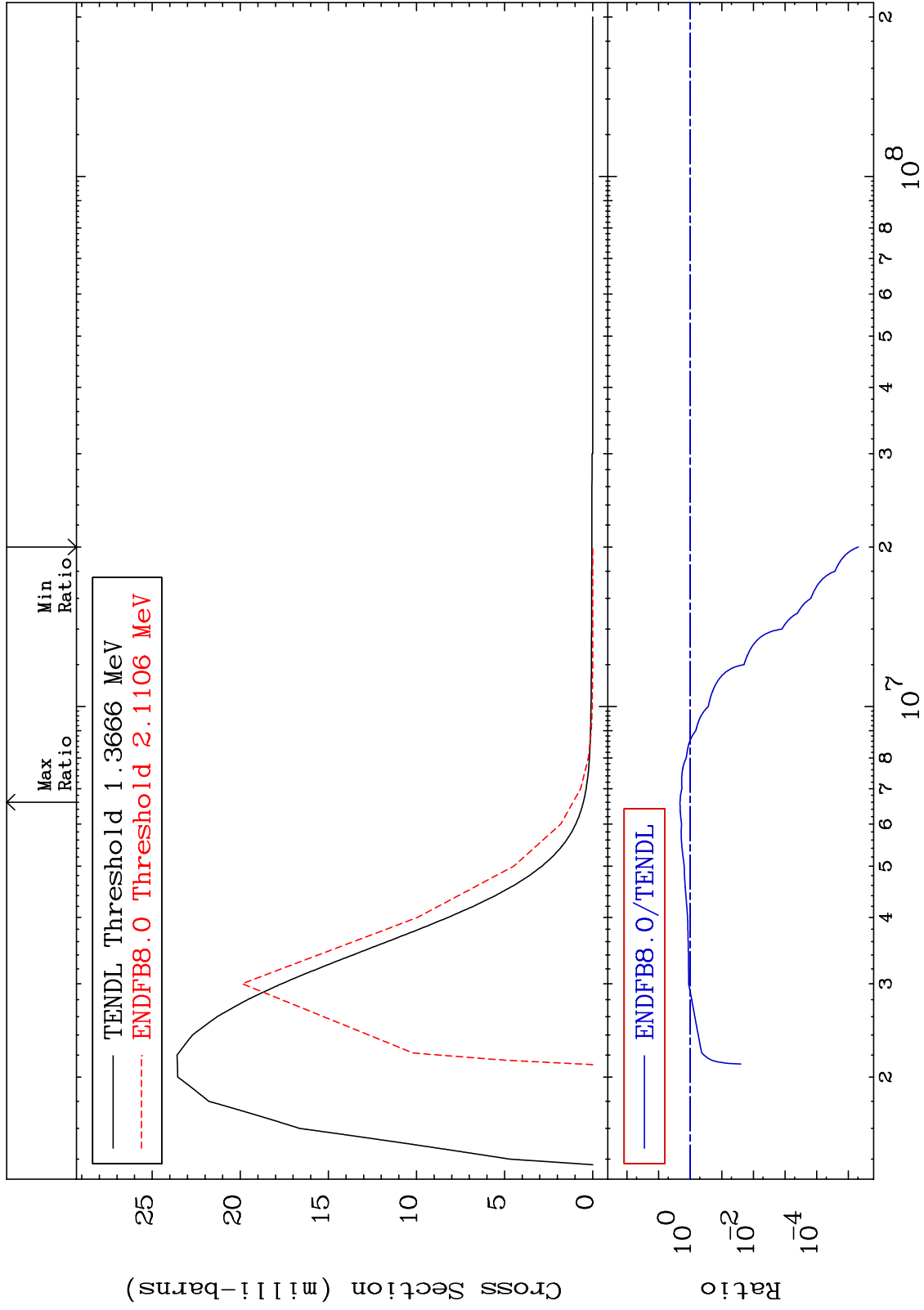
Incident Energy (eV)

35-Br-81

MAT 3531

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

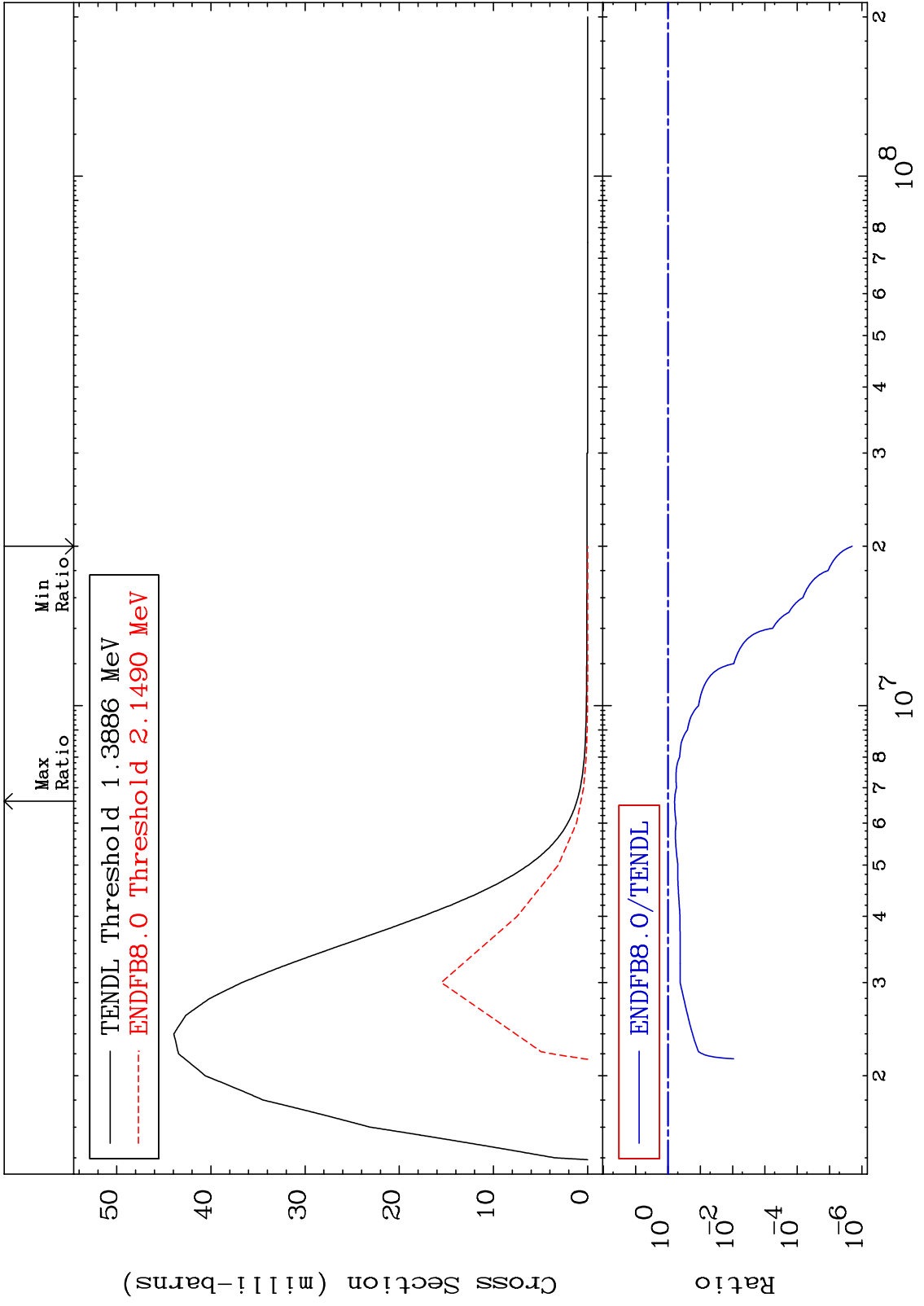
35-Br-81
-100.0 To 110.6 %



MAT 3531

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

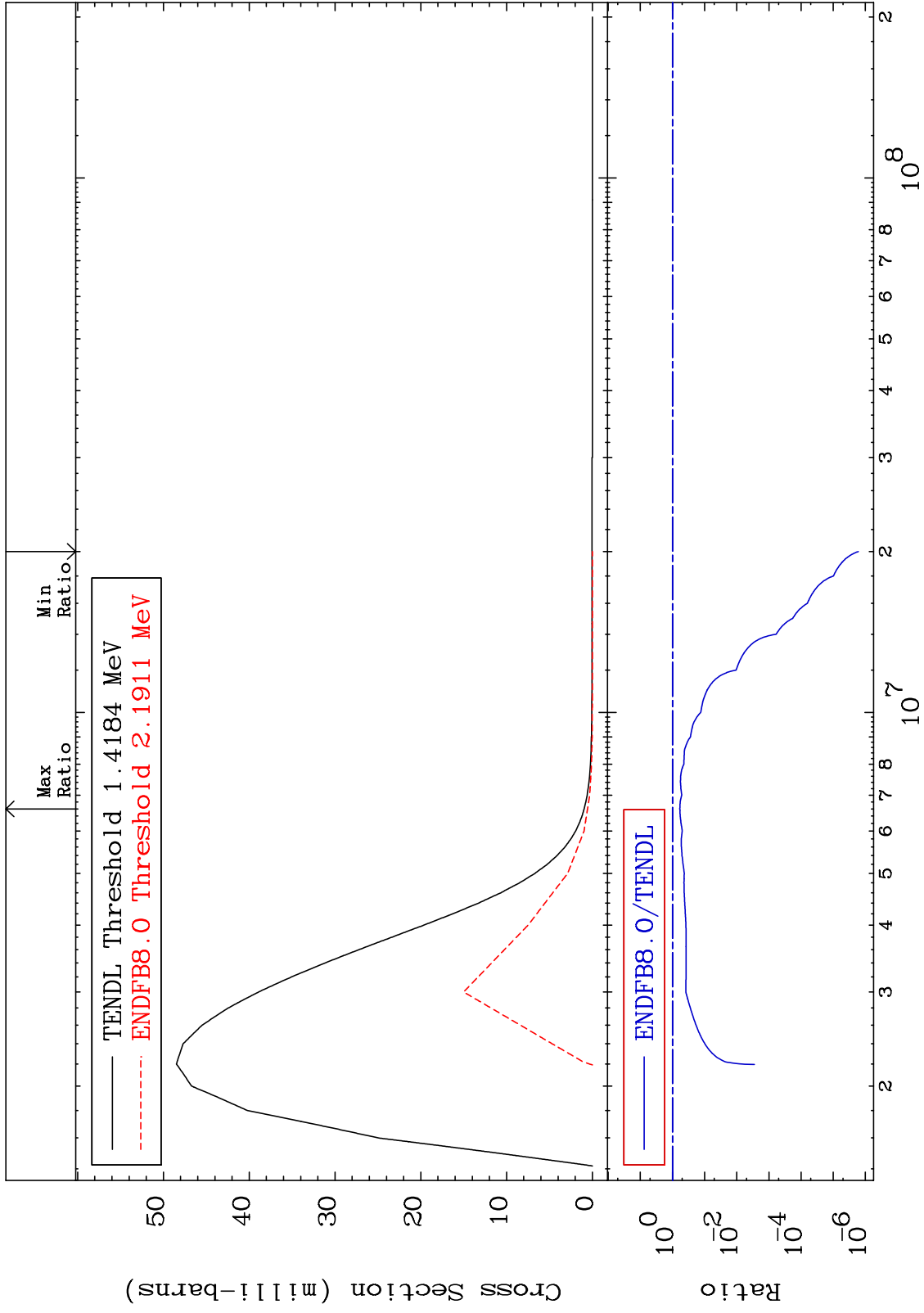
35-Br-81
-100.0 To -37.36%



MAT 3531

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

35-Br-81
-100.0 To -40.84%



35

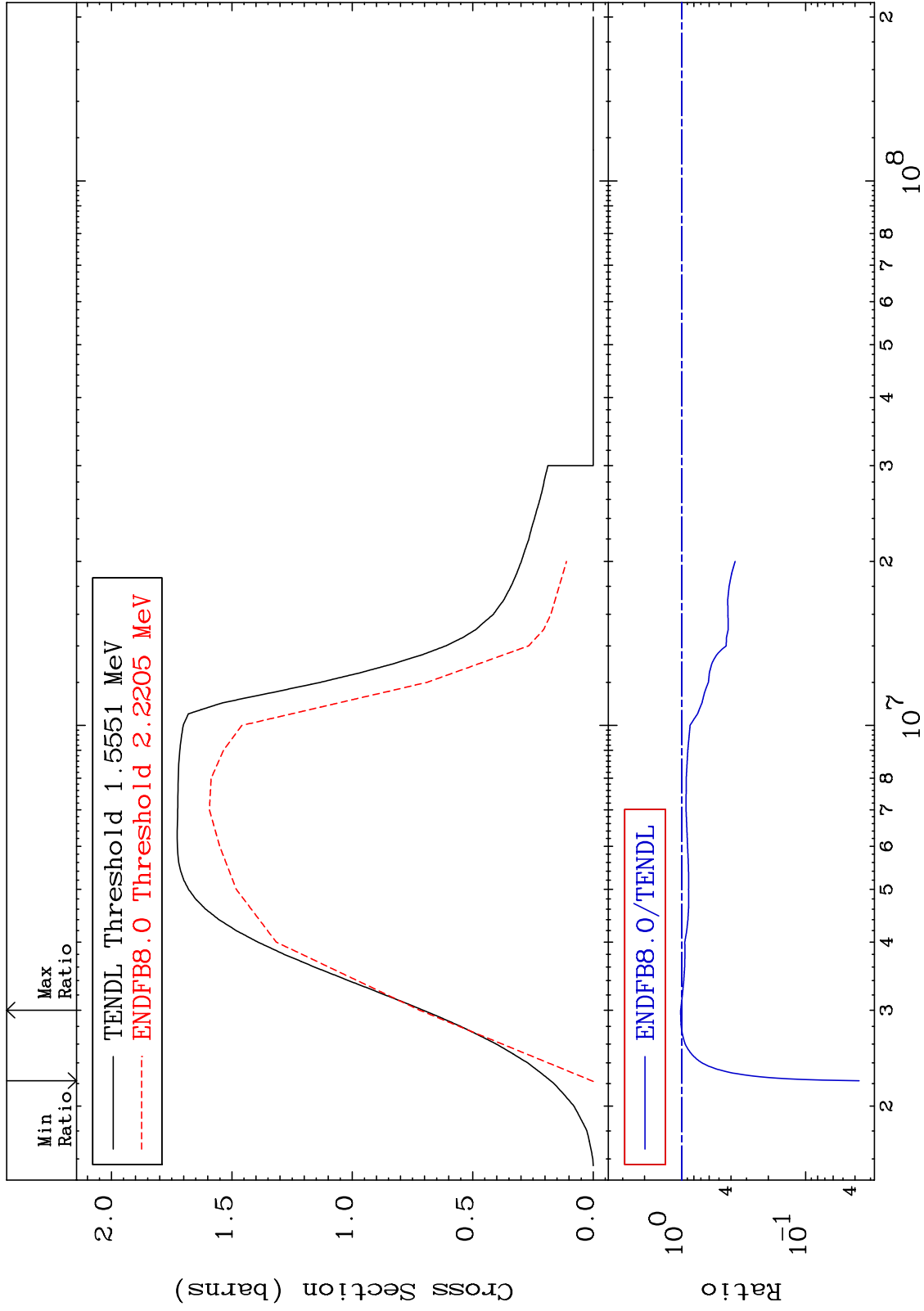
Incident Energy (eV)

35-Br-81

MAT 3531

(n, n') Continuum
Cross Section

35-Br-81
-96.30 To 2.137 %



36

35-Br-81

35-Br-81

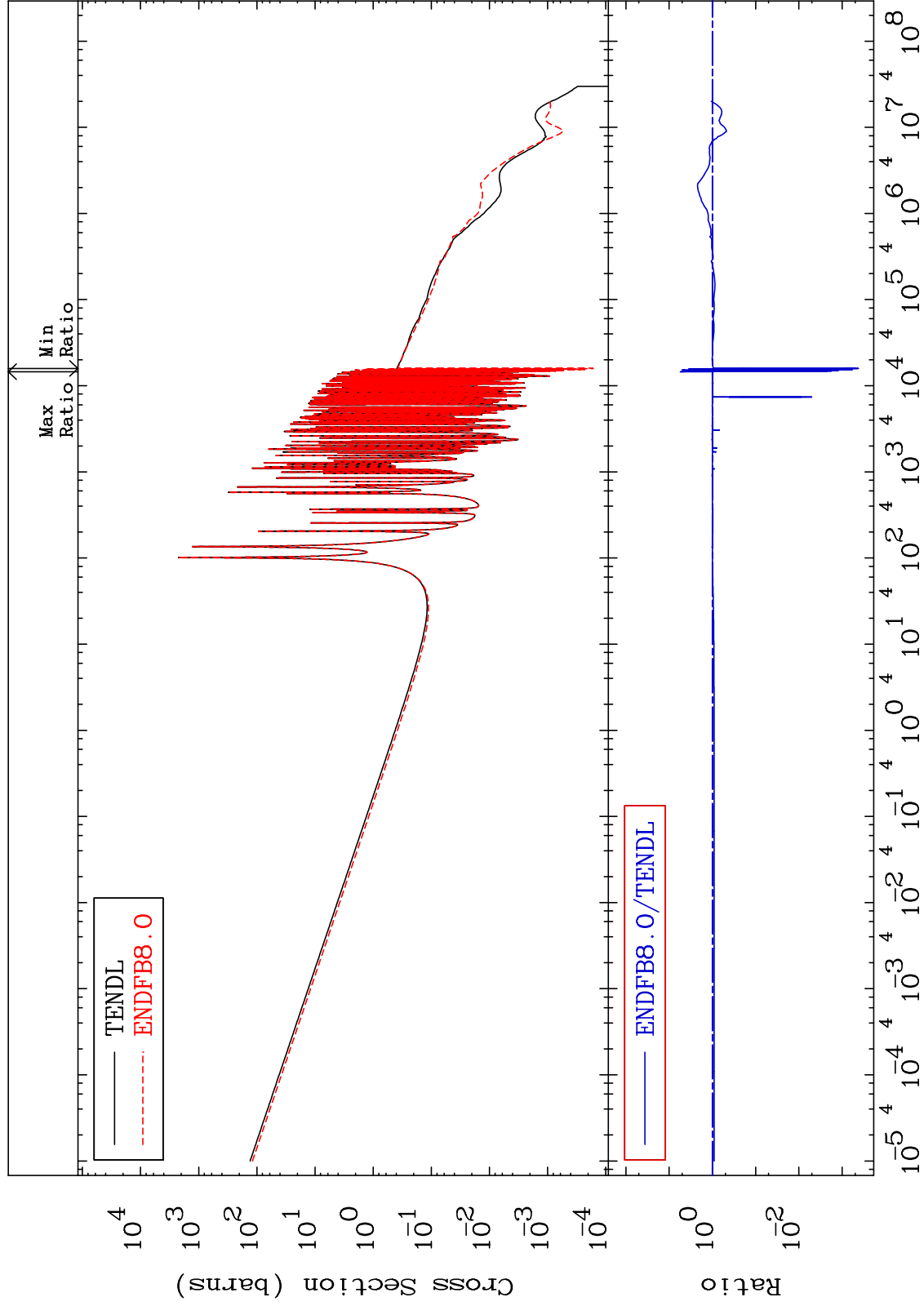
MAT 3531

(n, γ)

35-Br-81

Cross Section

-99.96 To 446.7 %



37

Incident Energy (eV)

35-Br-81

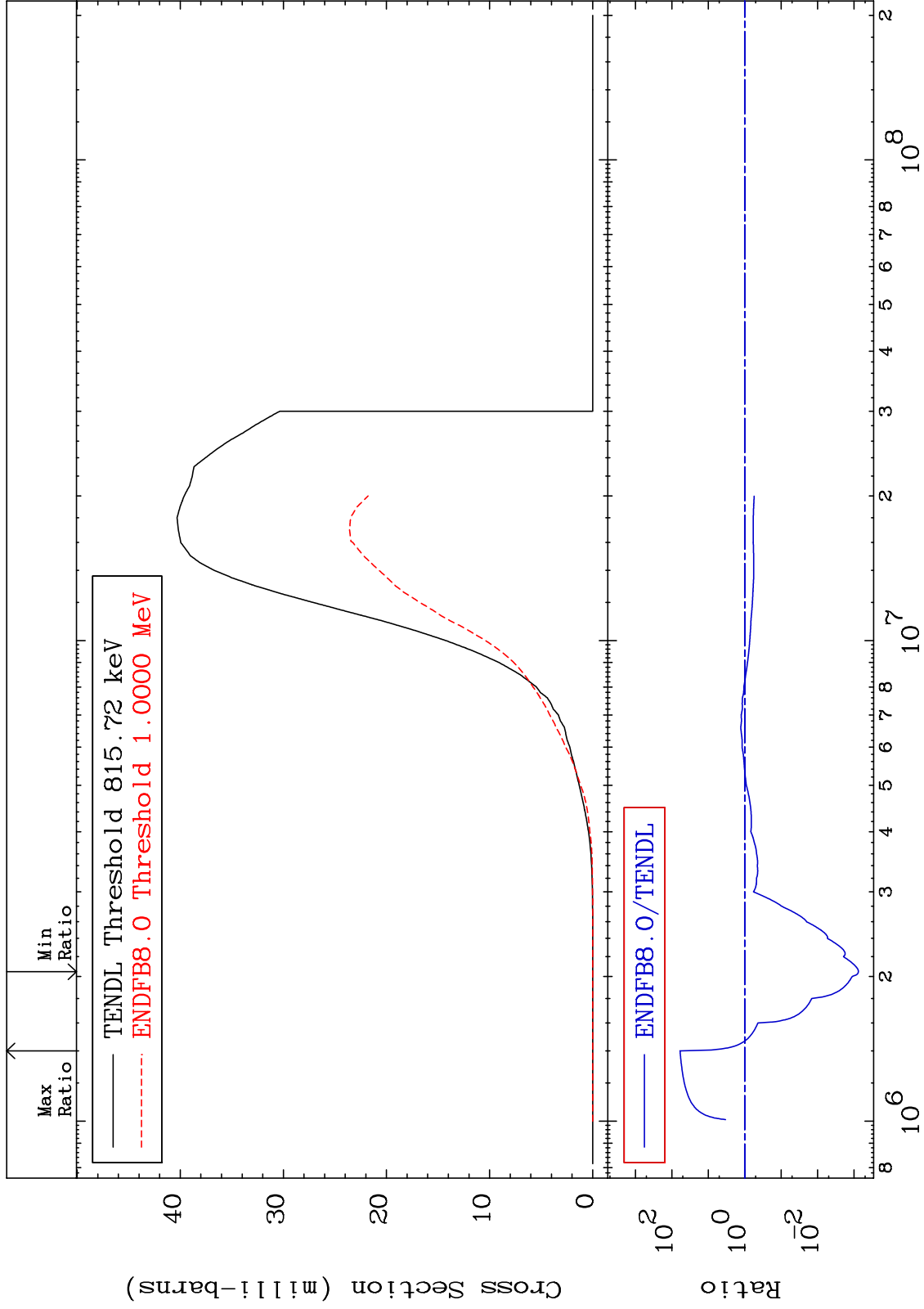
MAT 3531

(n, p)

35-Br-81

Cross Section

-99.92 To 5860. %



38

Incident Energy (eV)

35-Br-81

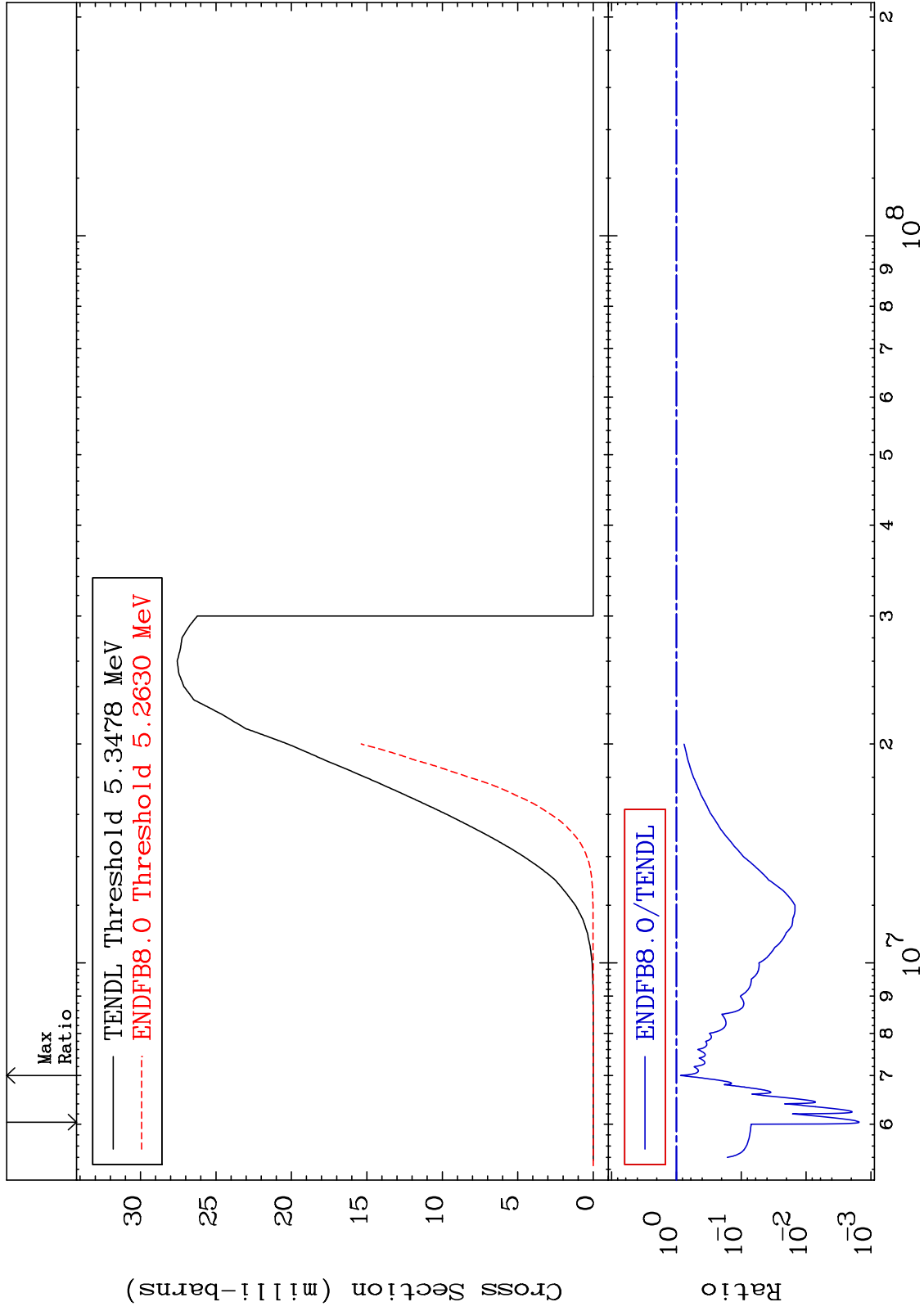
MAT 3531

(n, d)

³⁵Br-81

Cross Section

-99.85 To -14.15%



39

Incident Energy (eV)

³⁵Br-81

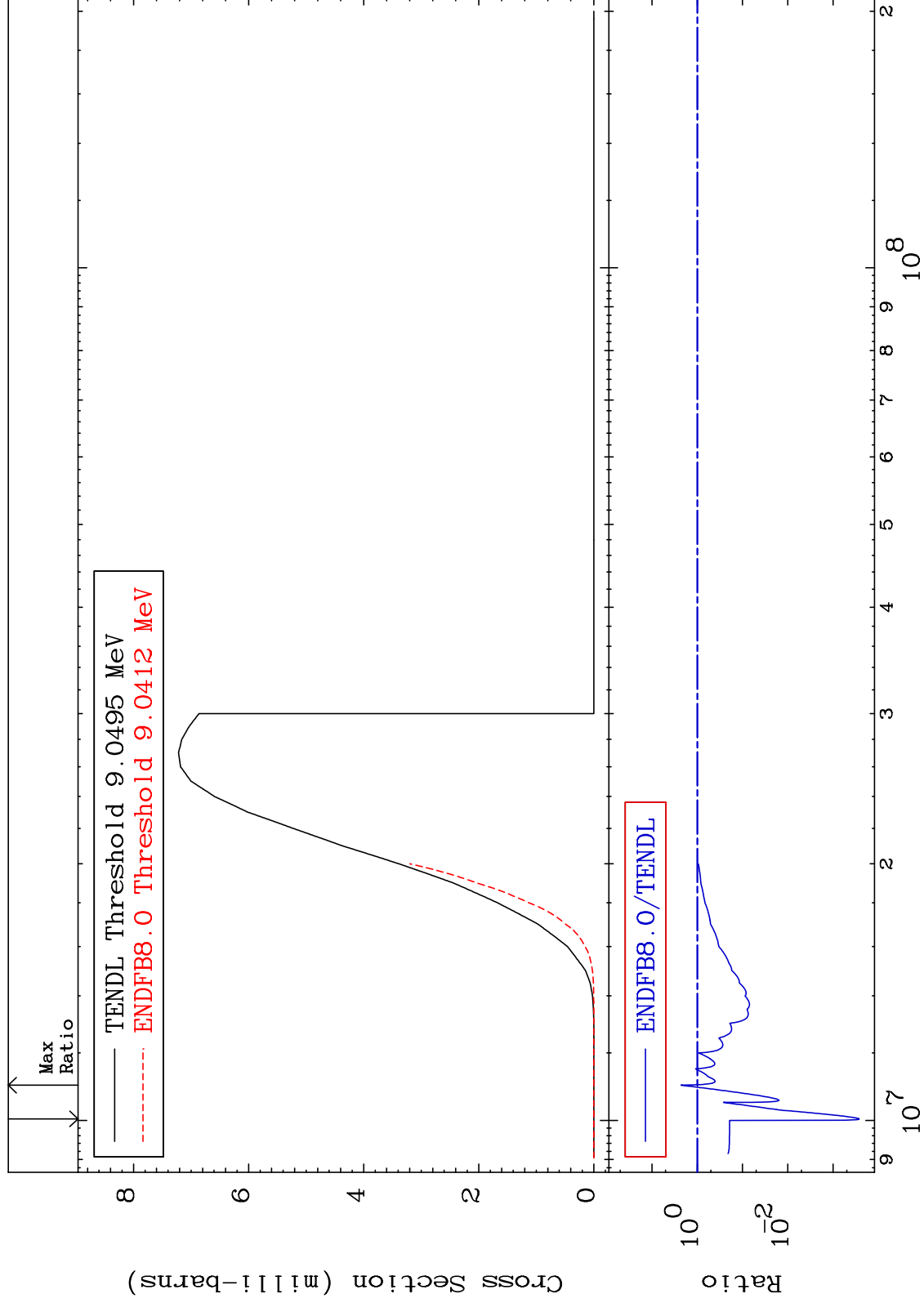
MAT 3531

(n, t)

35-Br-81

Cross Section

-99.97 To 127.6 %



35-Br-81

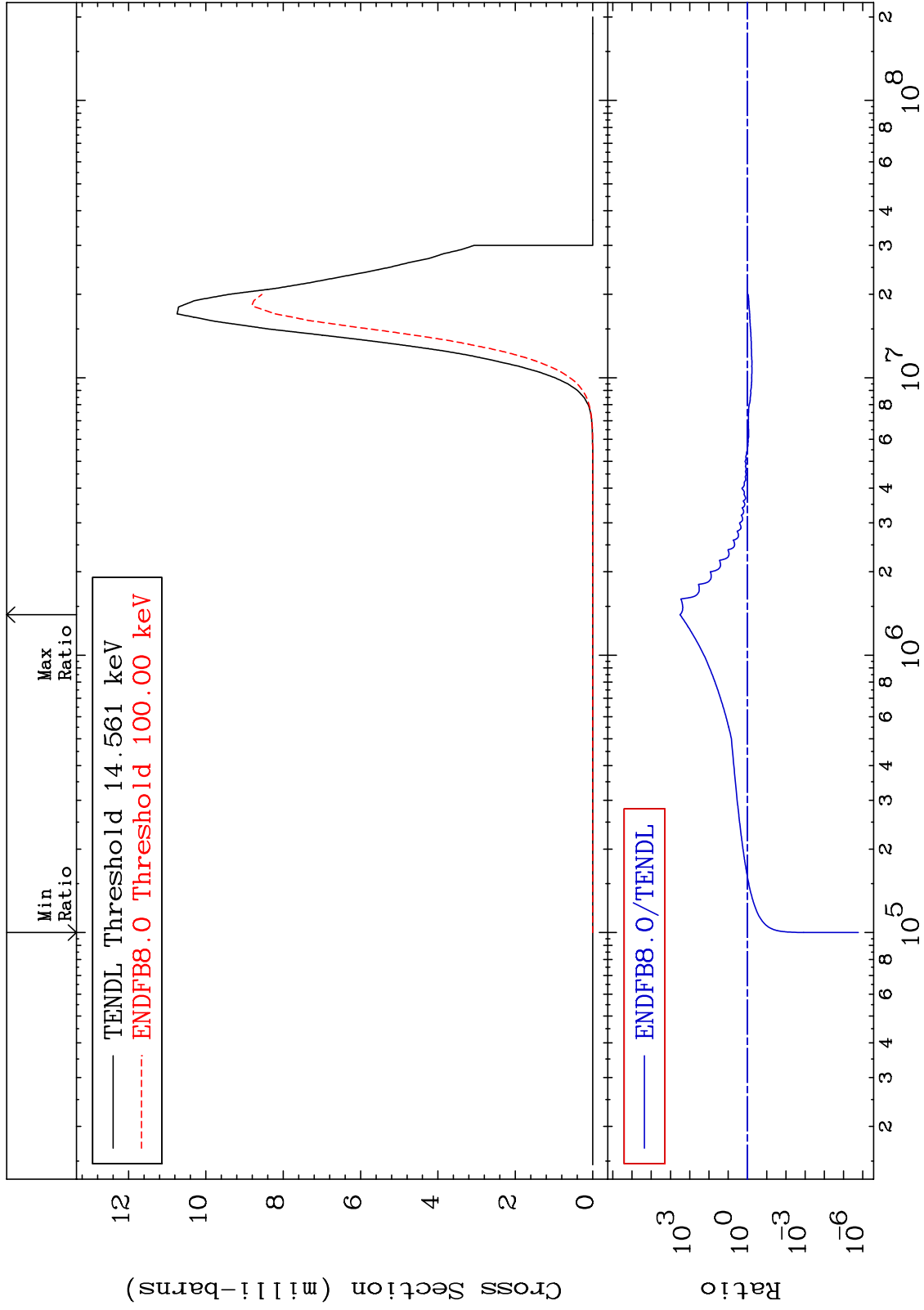
Incident Energy (eV)

40

MAT 3531

35-Br-81

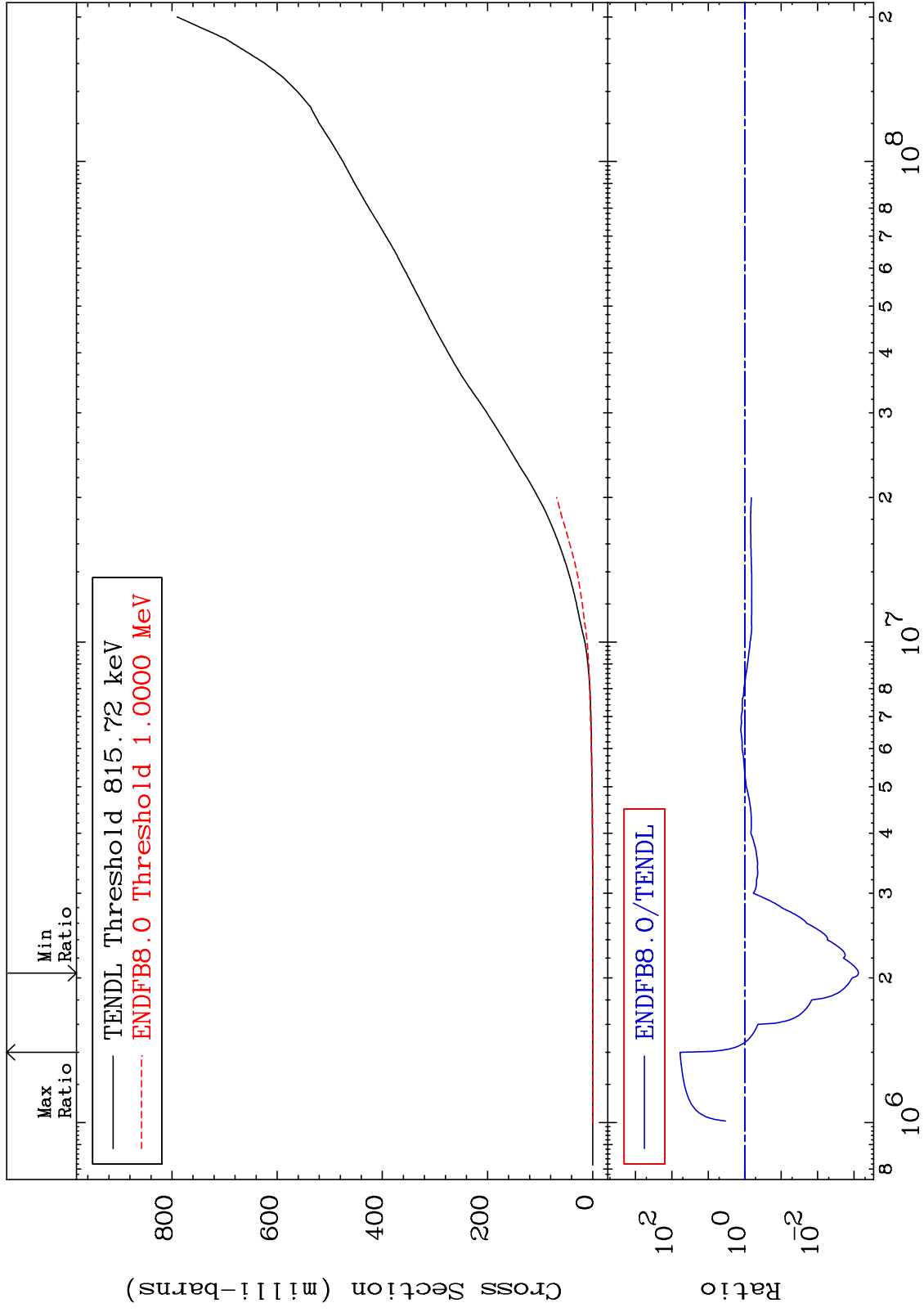
(n, α)
Cross Section
-100.0 To 9999. %



MAT 3531

Hydrogen Production
Cross Section

35-Br-81
-99.92 To 5860. %



42

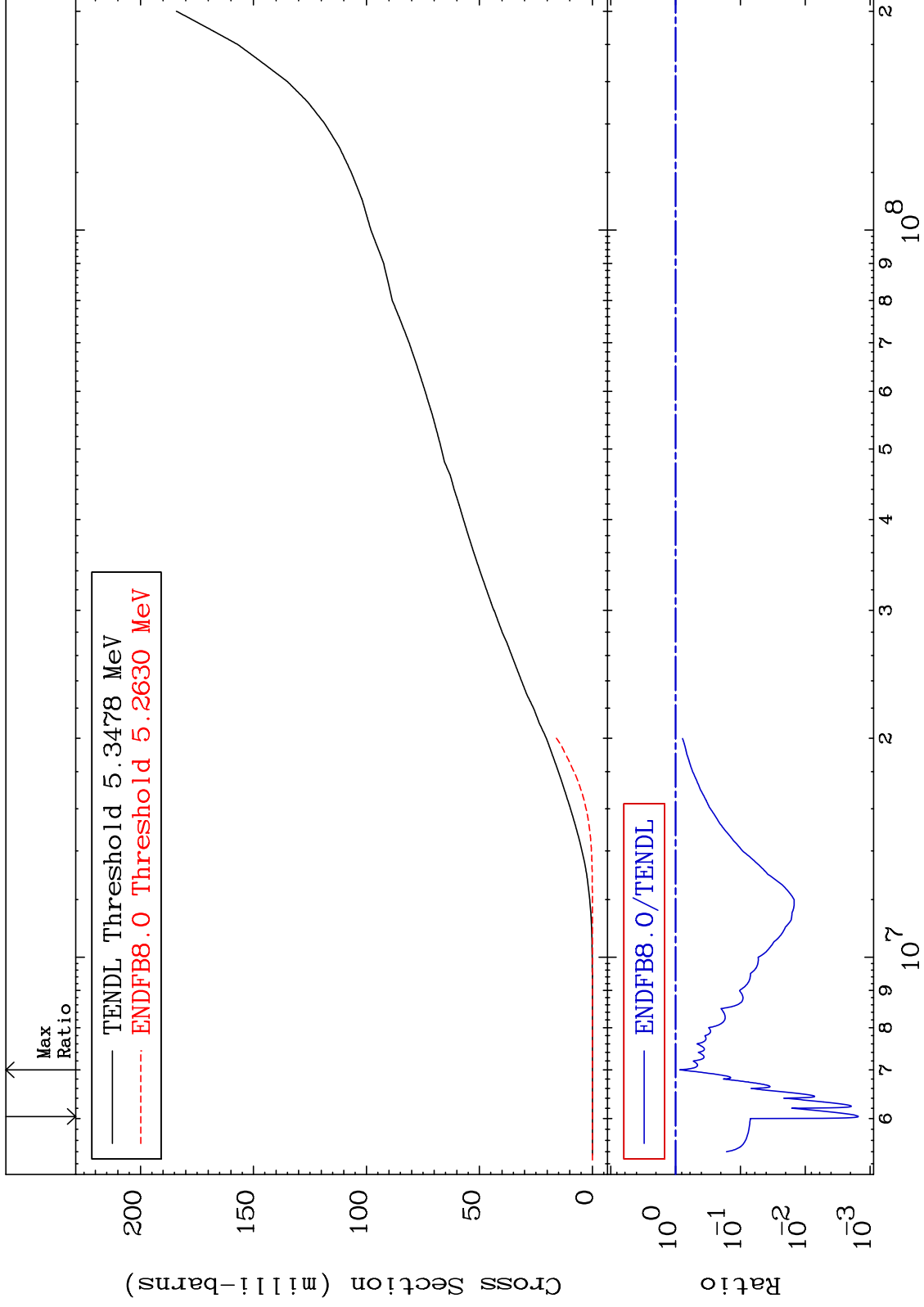
Incident Energy (eV)

35-Br-81

MAT 3531

Deuterium Production
Cross Section

³⁵Br-81
-99.85 To -14.15%



43

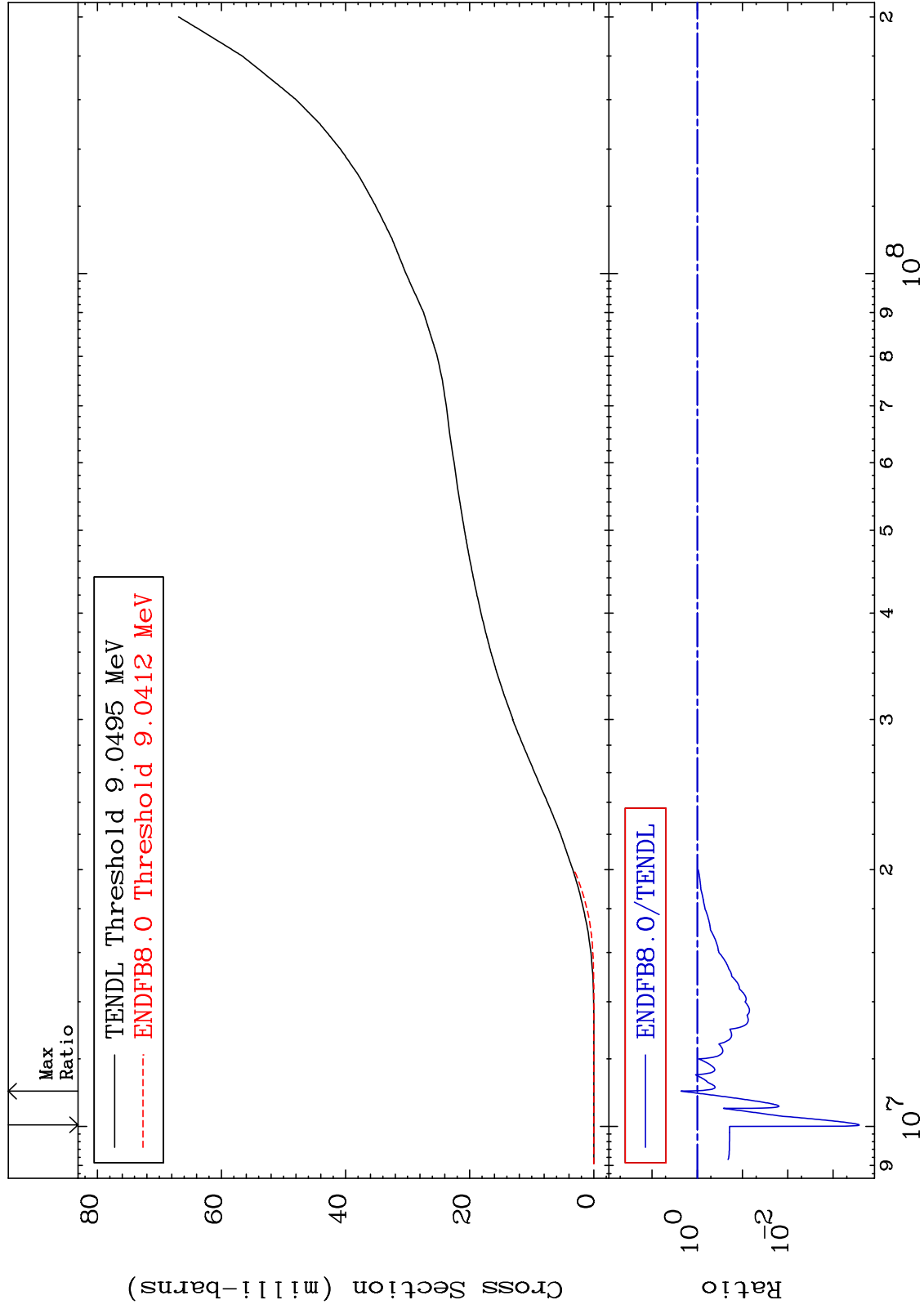
Incident Energy (eV)

³⁵Br-81

MAT 3531

Tritium Production
Cross Section

³⁵Br-81
-99.97 To 127.6 %



44

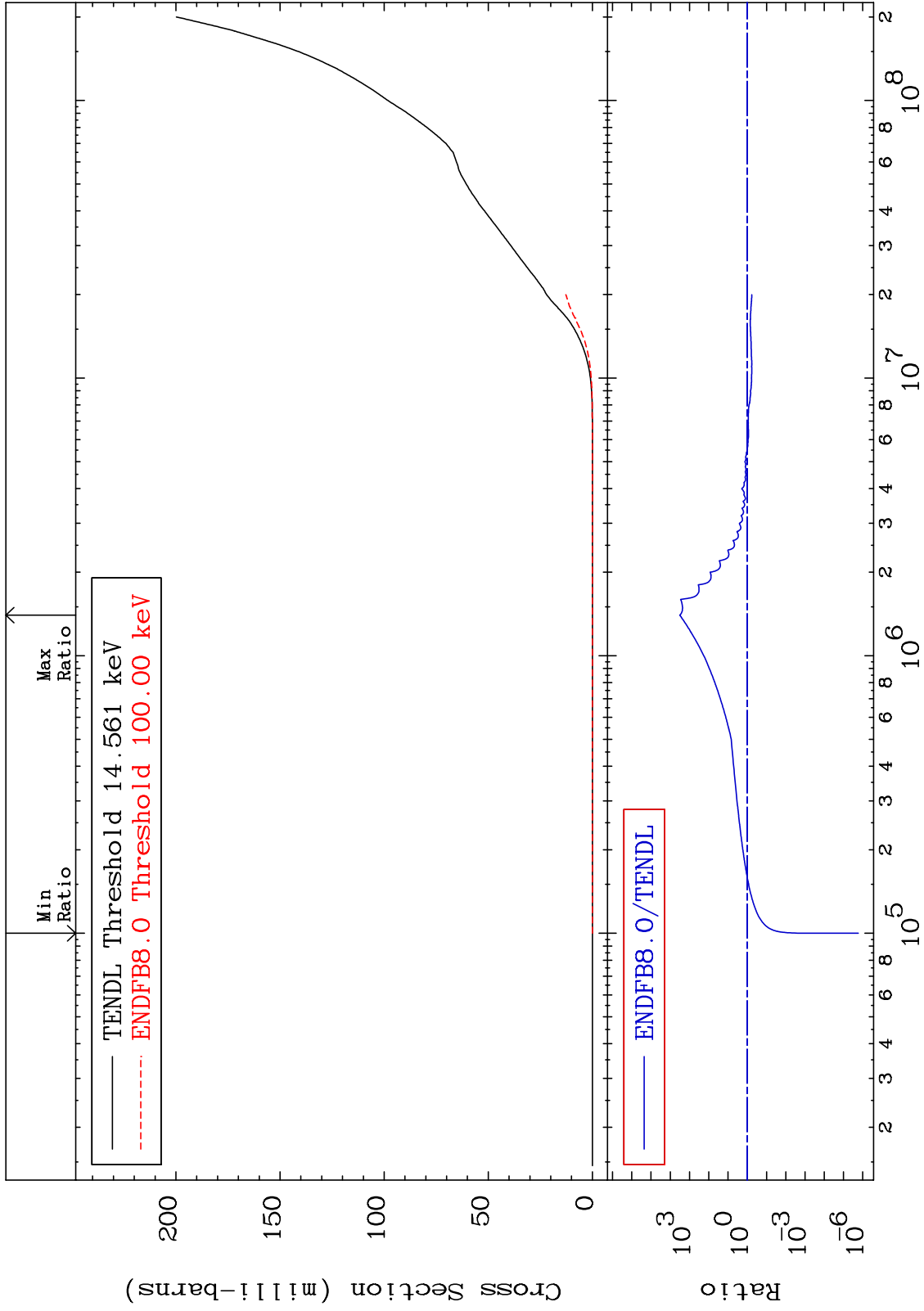
Incident Energy (eV)

³⁵Br-81

MAT 3531

He-4 Production
Cross Section

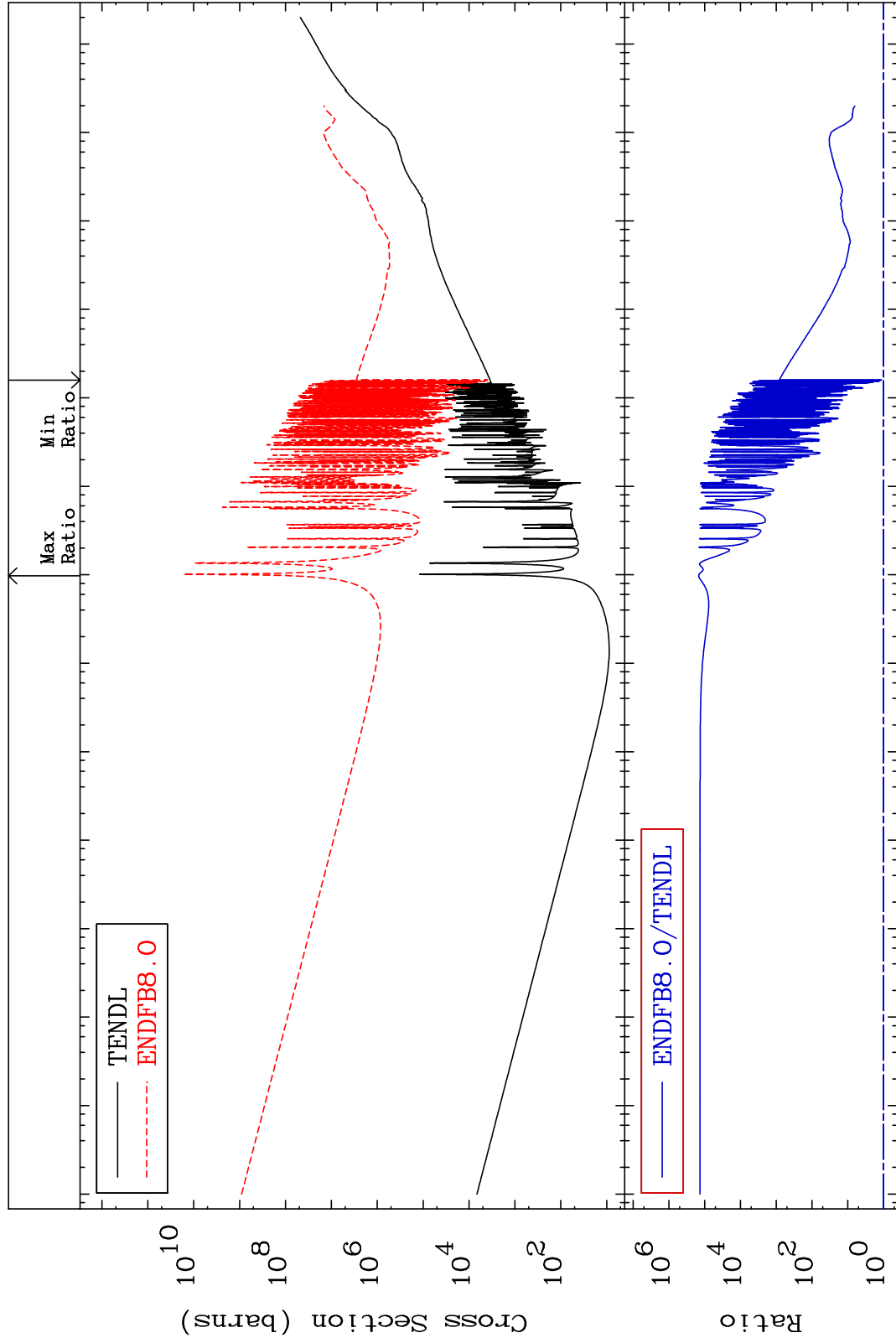
35-Br-81
-100.0 To 9999. %



MAT 3531

Kerma total (eV-barns)
Cross Section

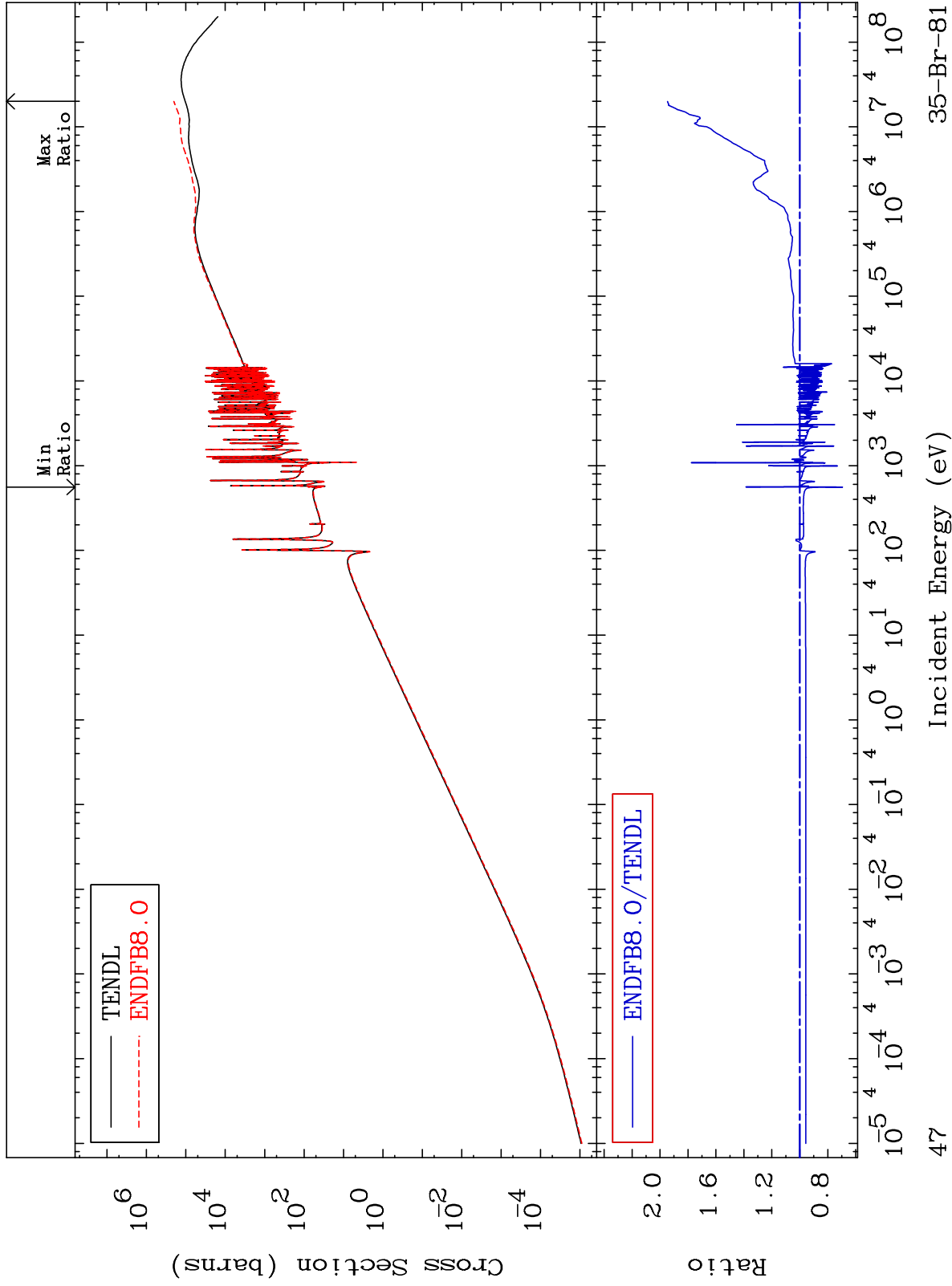
35-Br-81
13.00 To 9999. %



MAT 3531

Kerma elastic
Cross Section

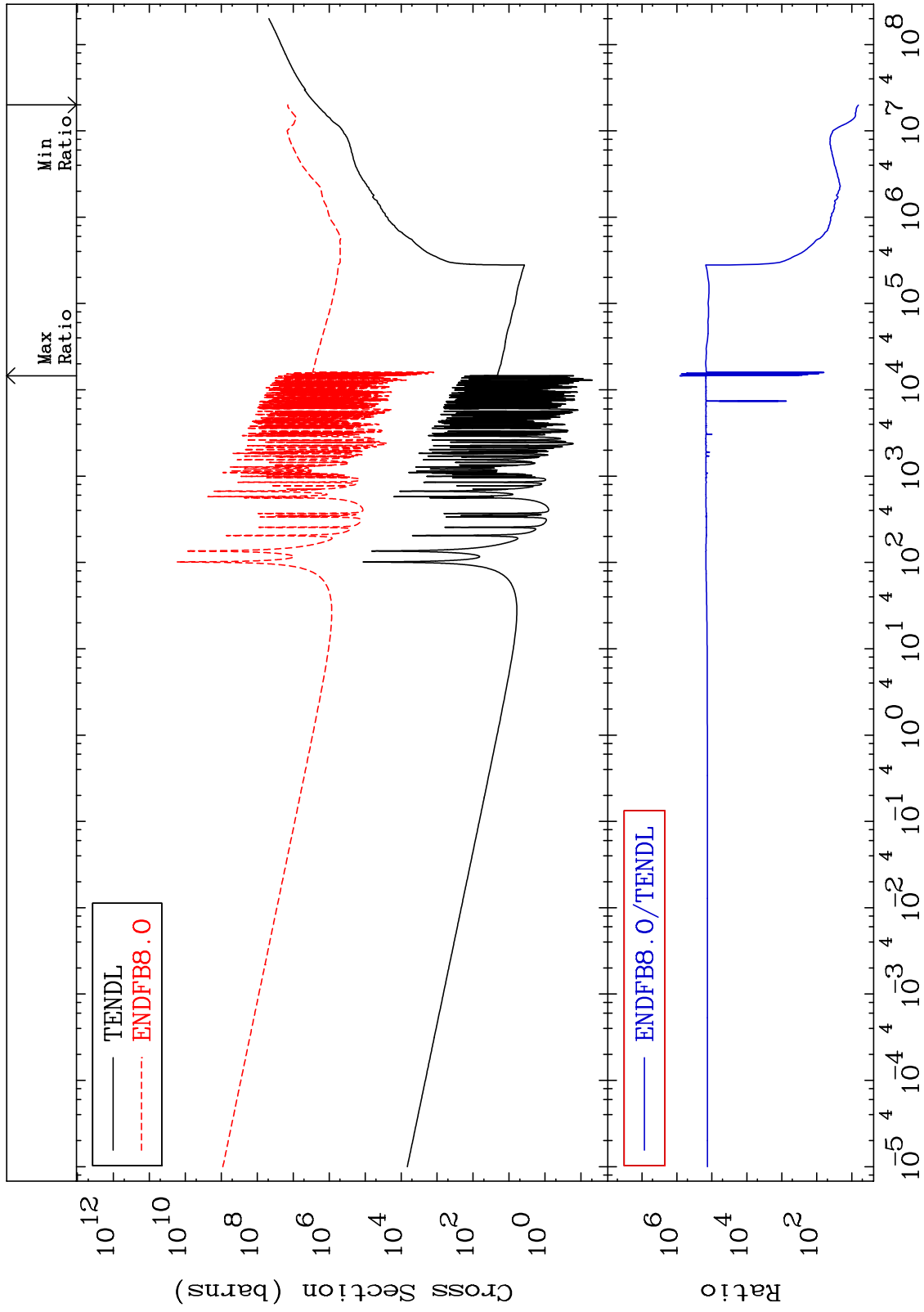
35-Br-81
-30.65 To 94.62 %



MAT 3531

Kerma non-elastic (all but mt2)
Cross Section

35-Br-81
545.5 To 9999. %



48

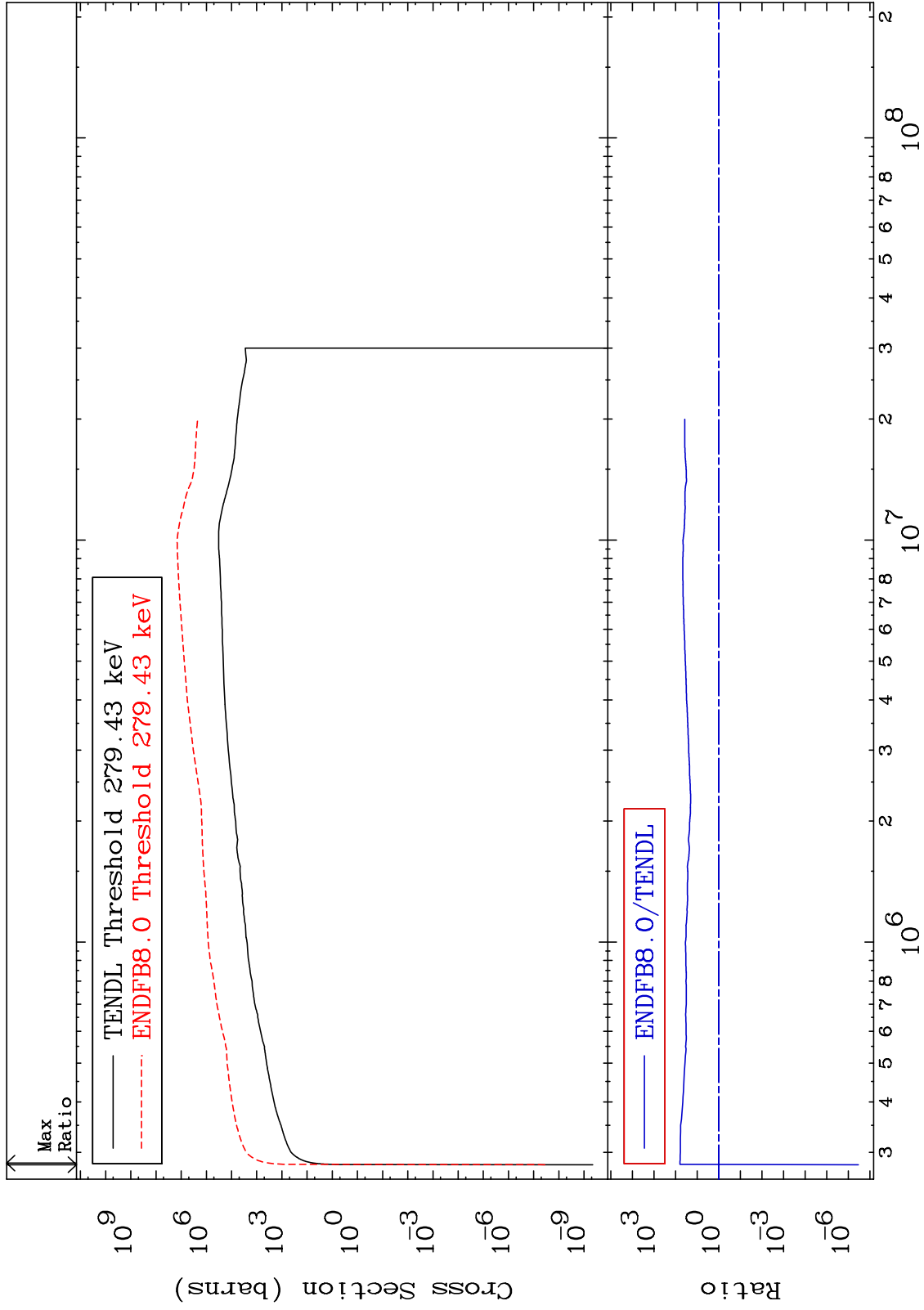
Incident Energy (eV)

35-Br-81

MAT 3531

Kerma inelastic (mt51-91)
Cross Section

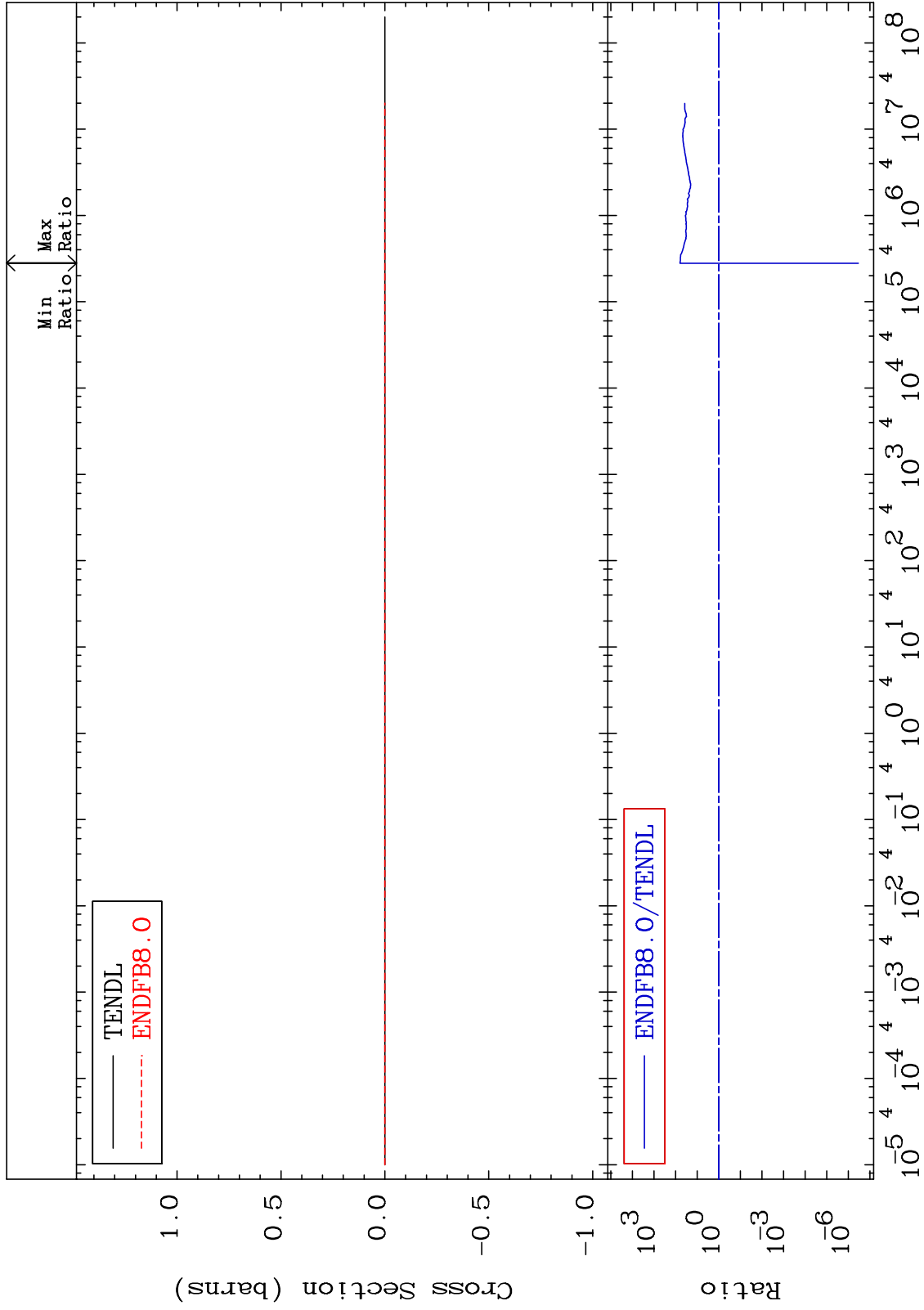
35-Br-81
-100.0 To 6095. %



MAT 3531

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

35-Br-81
-100.0 To 6095. %



50

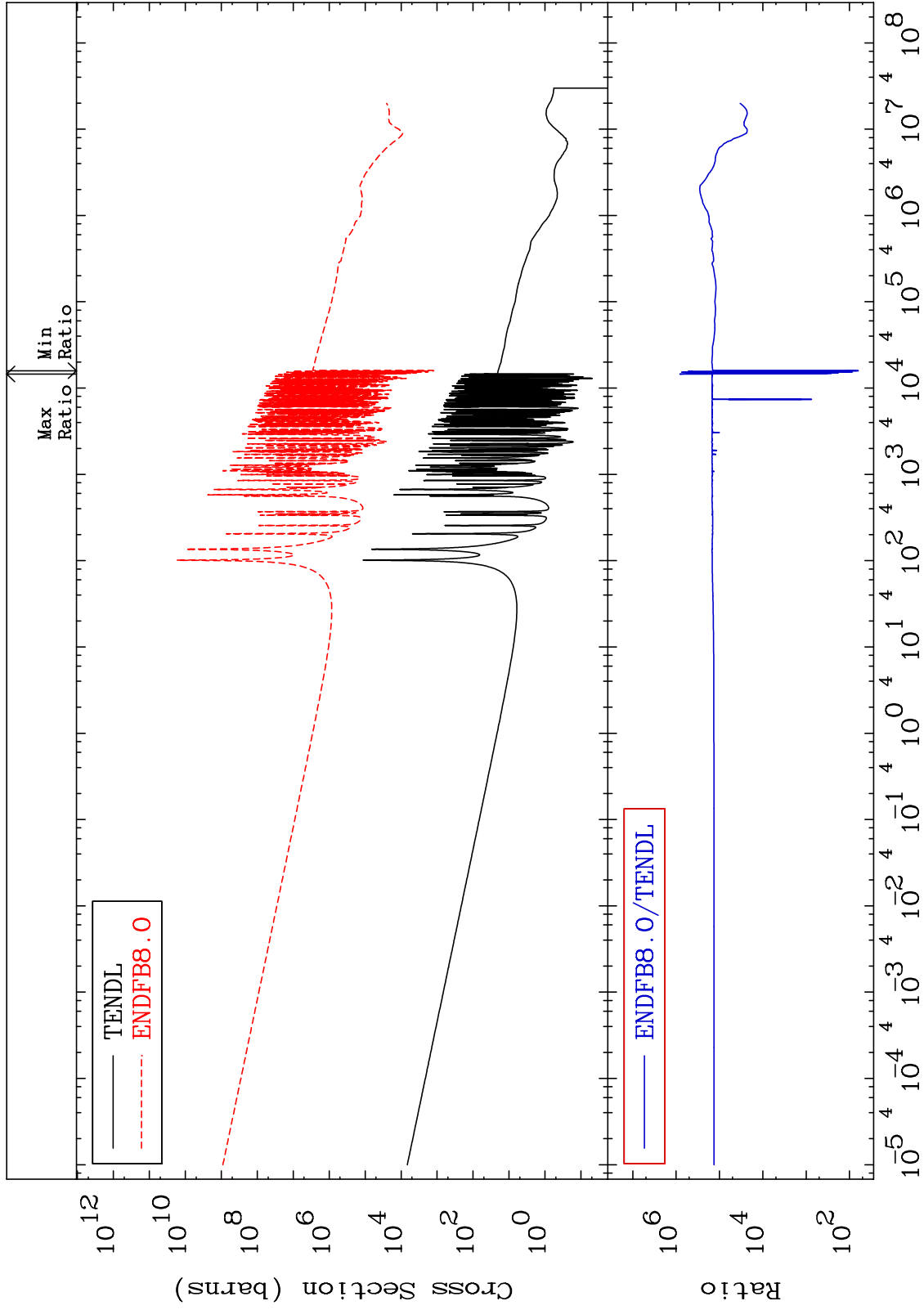
Incident Energy (eV)

35-Br-81

MAT 3531

Kerma capture (mt102)
Cross Section

35-Br-81
6119. To 9999. %



51

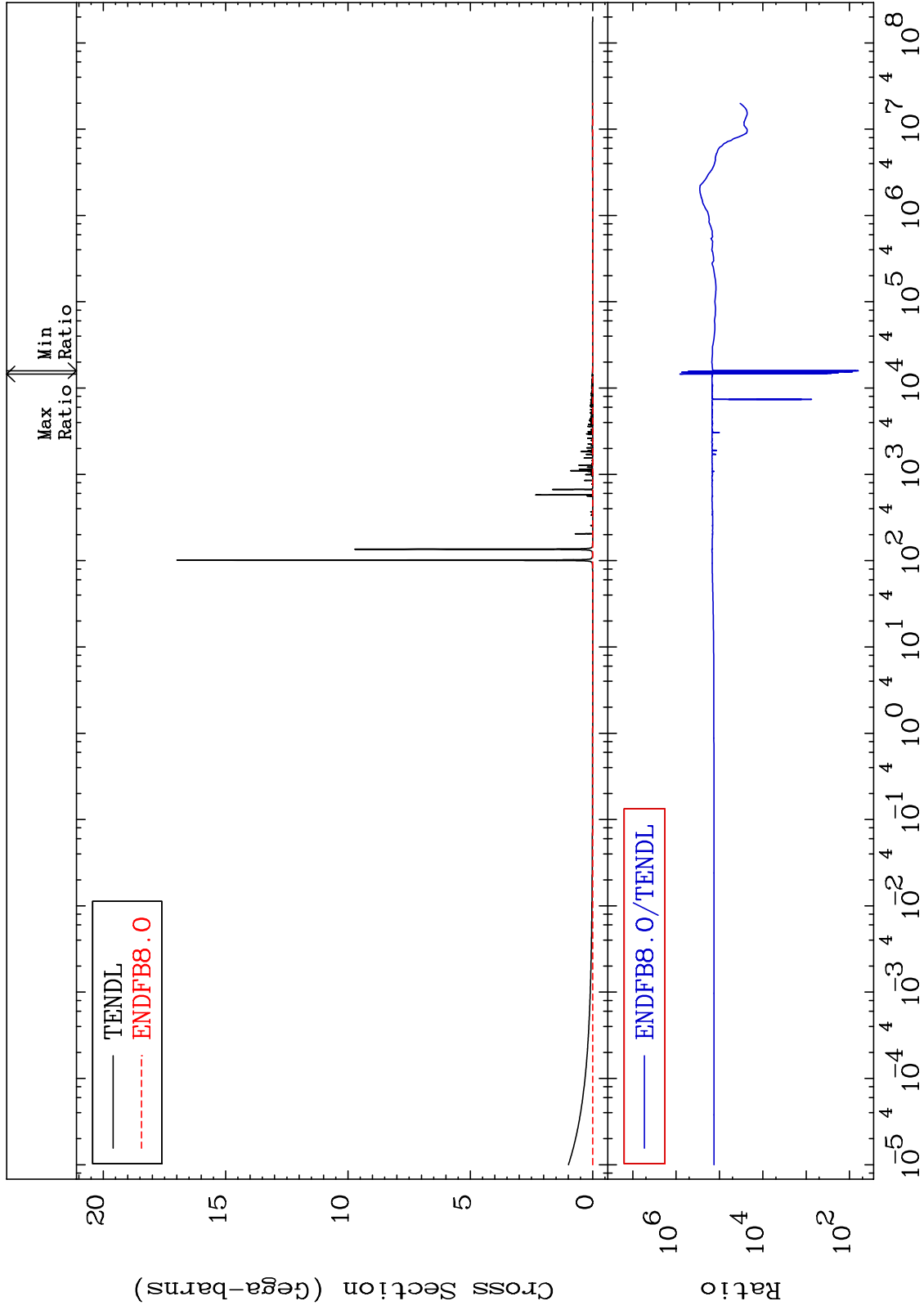
Incident Energy (eV)

35-Br-81

MAT 3531

Total photon (eV-barns)
Cross Section

35-Br-81
6119. To 9999. %



52

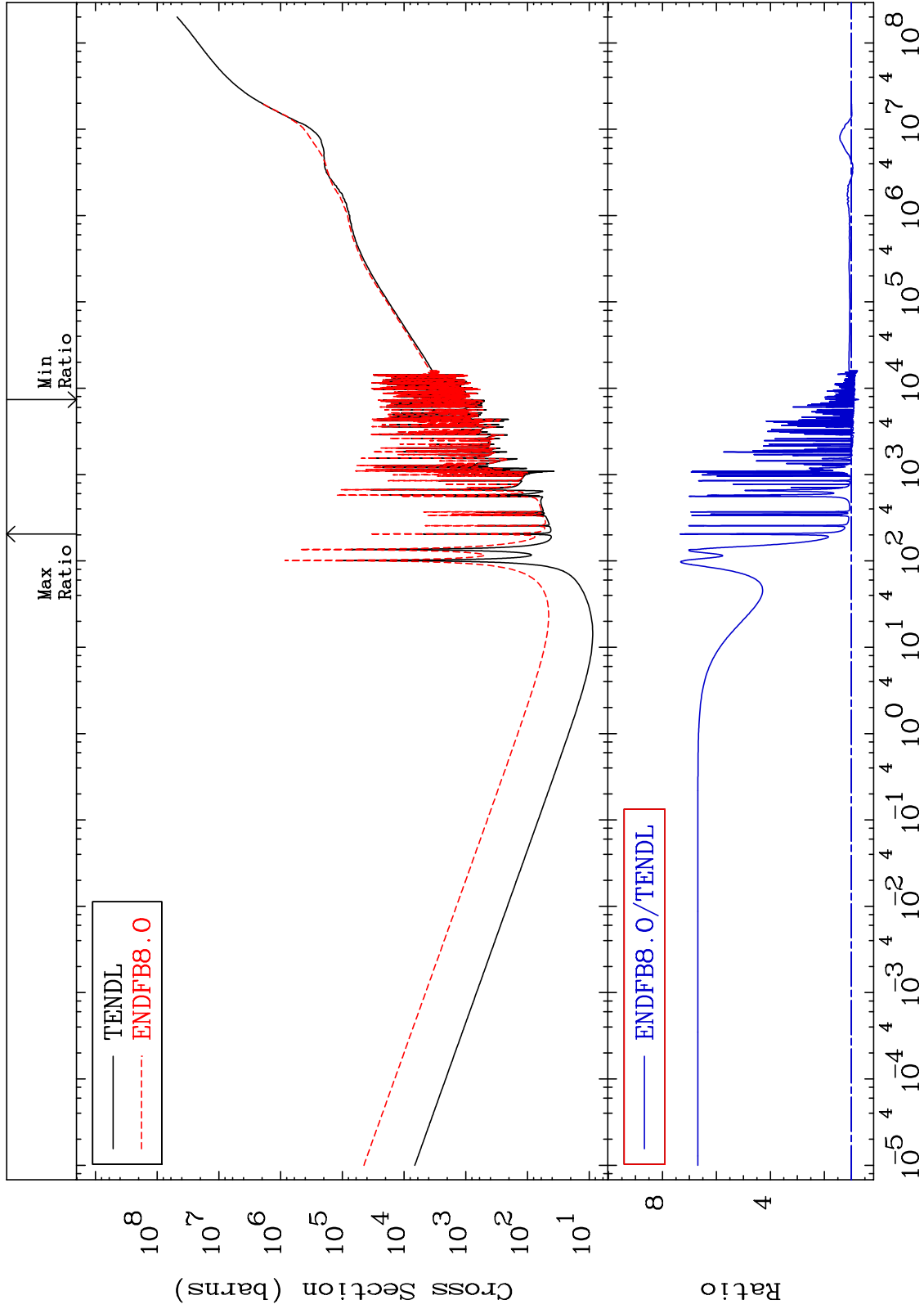
Incident Energy (eV)

35-Br-81

MAT 3531

Total kinematic kerma (high limit)
Cross Section

35-Br-81
-26.32 To 634.9 %



53

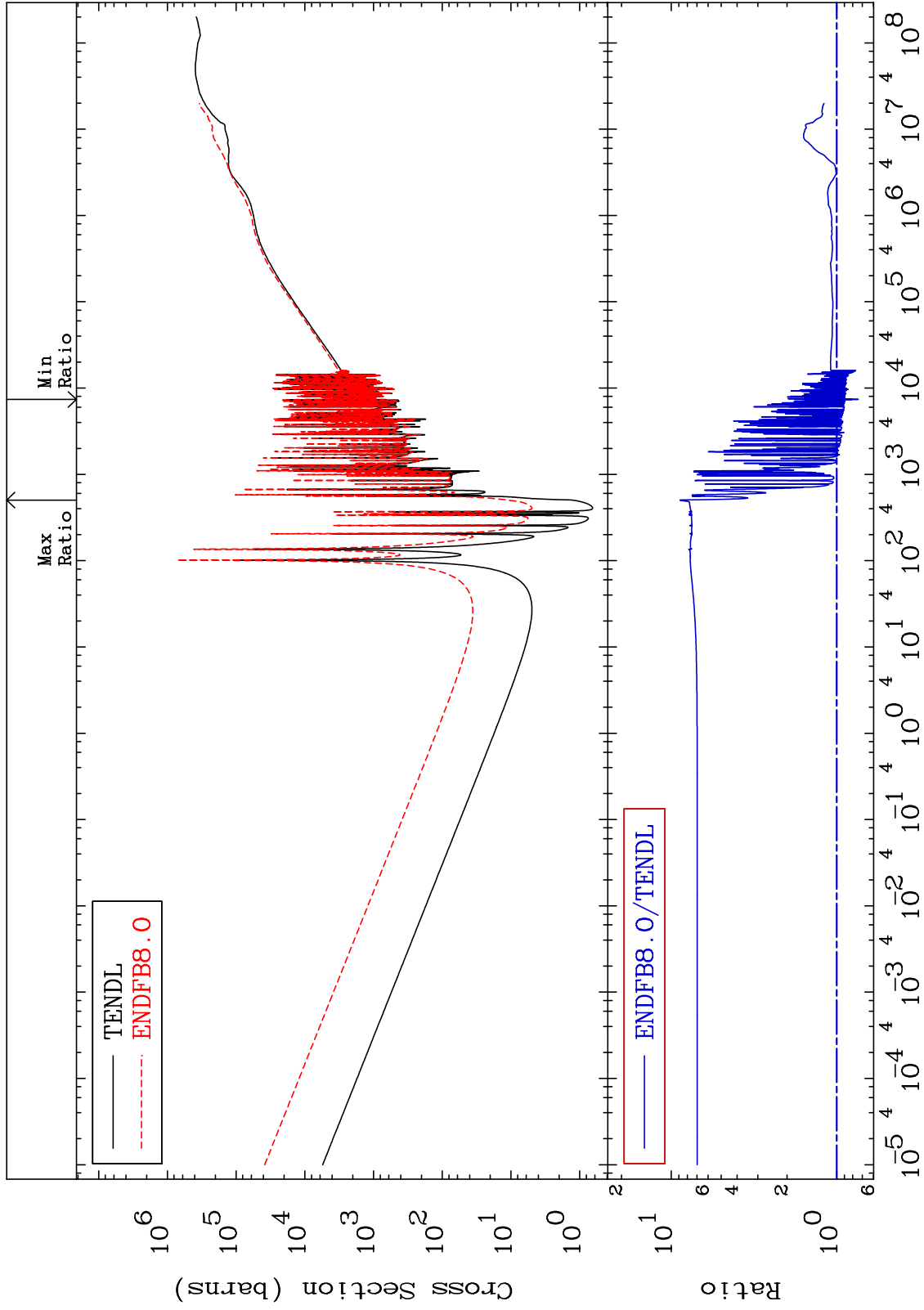
Incident Energy (eV)

35-Br-81

MAT 3531

Dpa total (eV-barns)
Cross Section

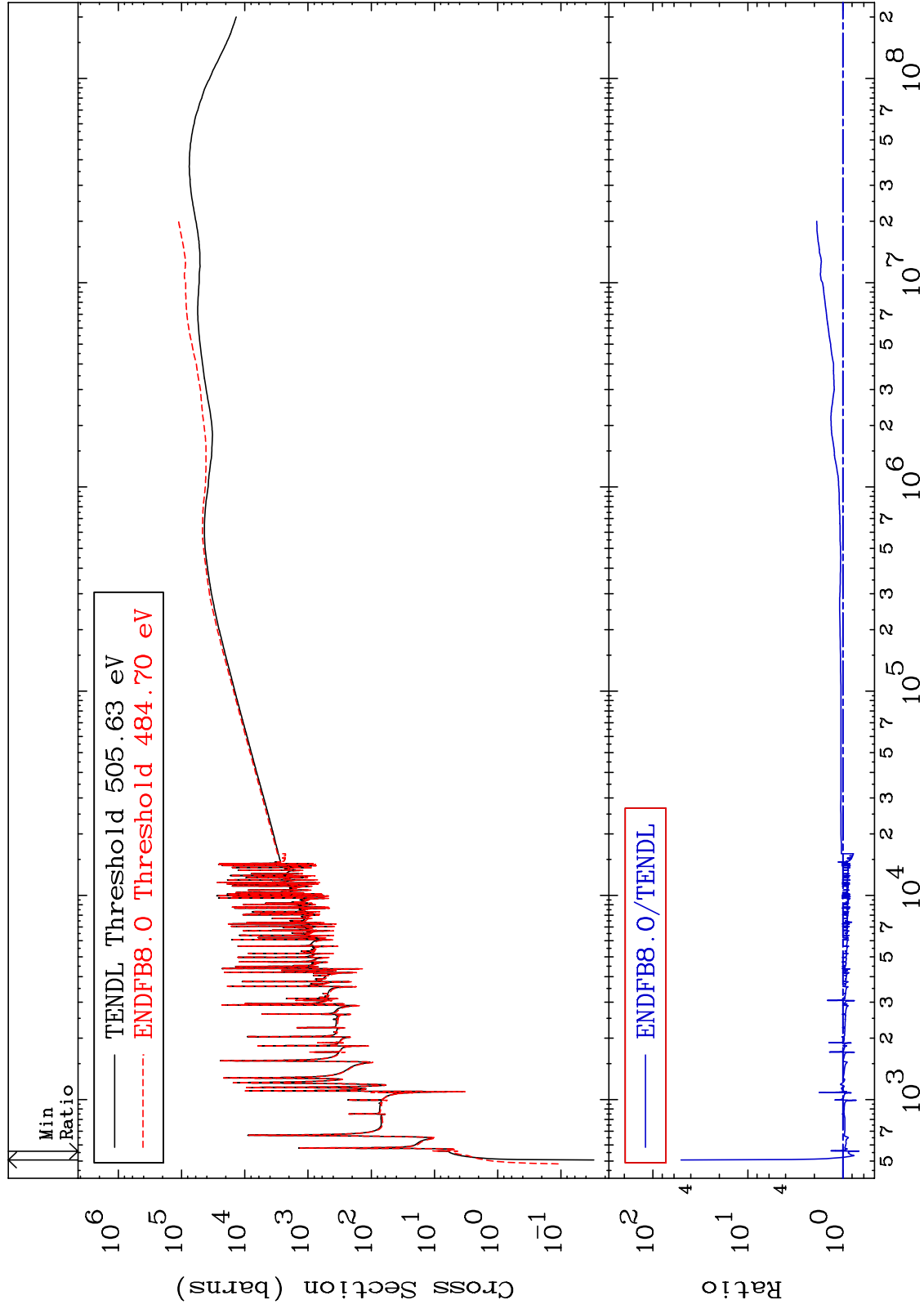
35-Br-81
-26.02 To 785.4 %



MAT 3531

Dpa elastic (mt2)
Cross Section

35-Br-81
-32.89 To 4961. %



55

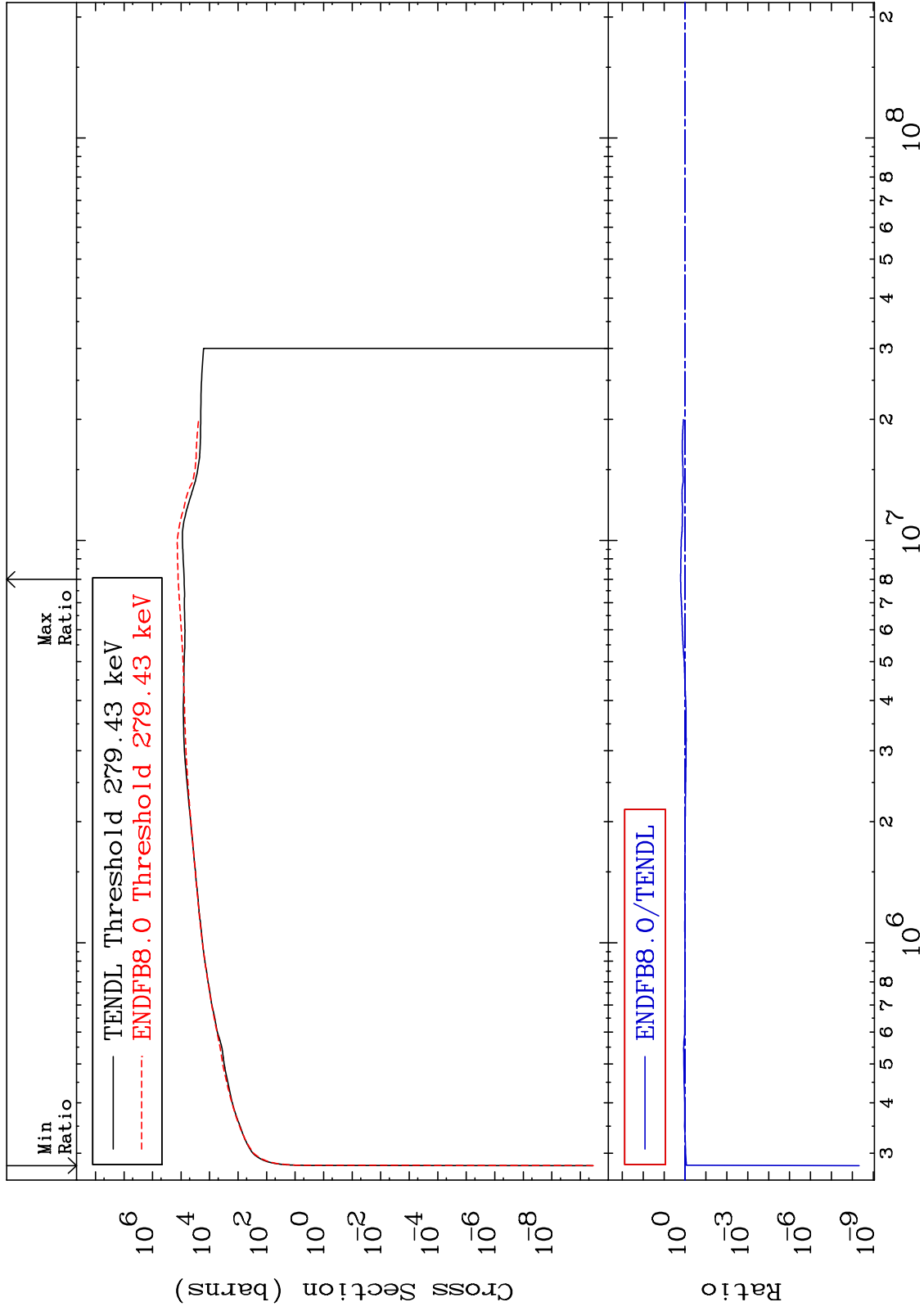
Incident Energy (eV)

35-Br-81

MAT 3531

Dpa inelastic (mt51-91)
Cross Section

35-Br-81
-100.0 To 62.02 %



56

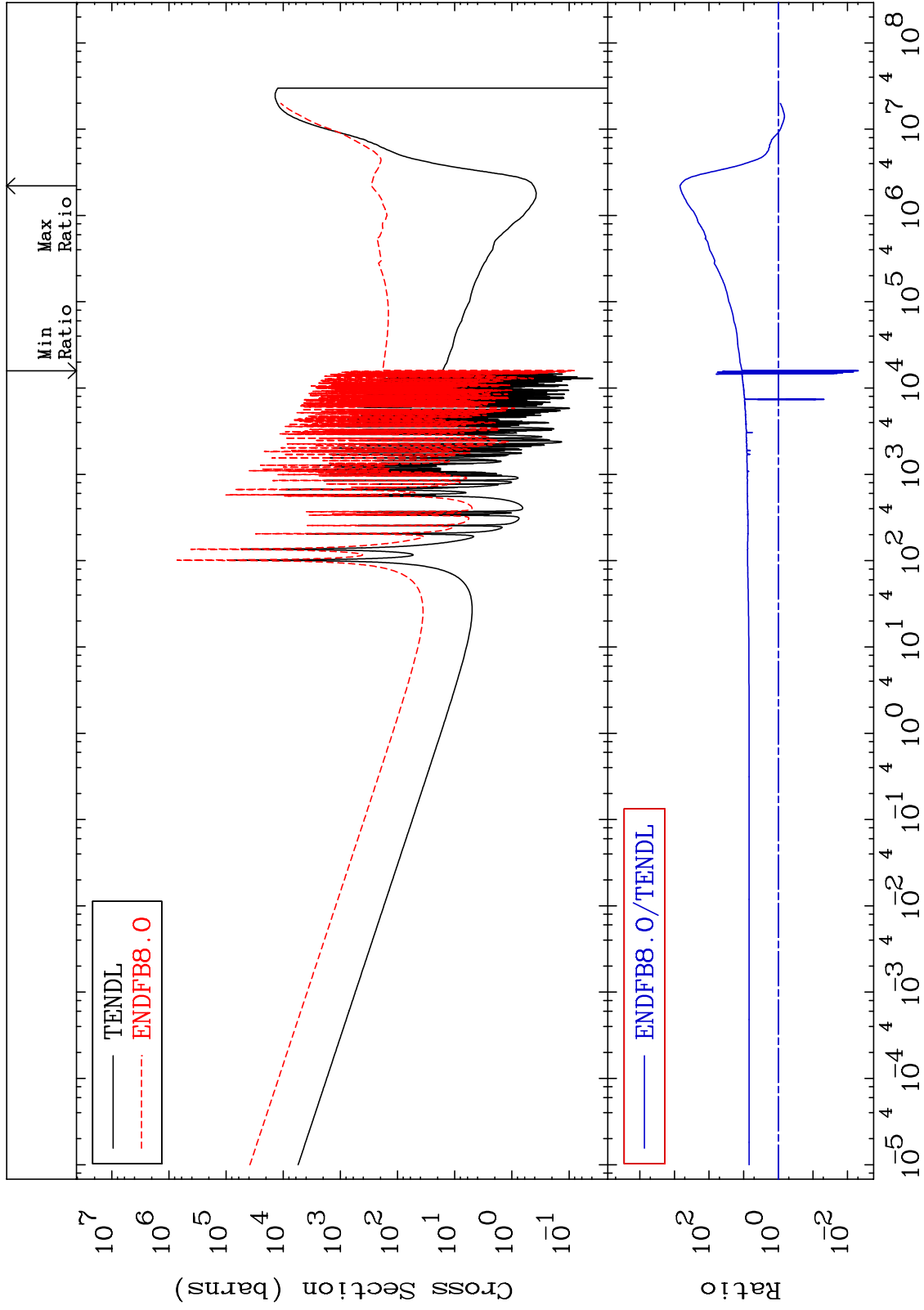
35-Br-81

35-Br-81

MAT 3531

Dpa disappearance (mt102 -120)
Cross Section

35-Br-81
-99.52 To 9999. %



57

Incident Energy (eV)

35-Br-81