

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

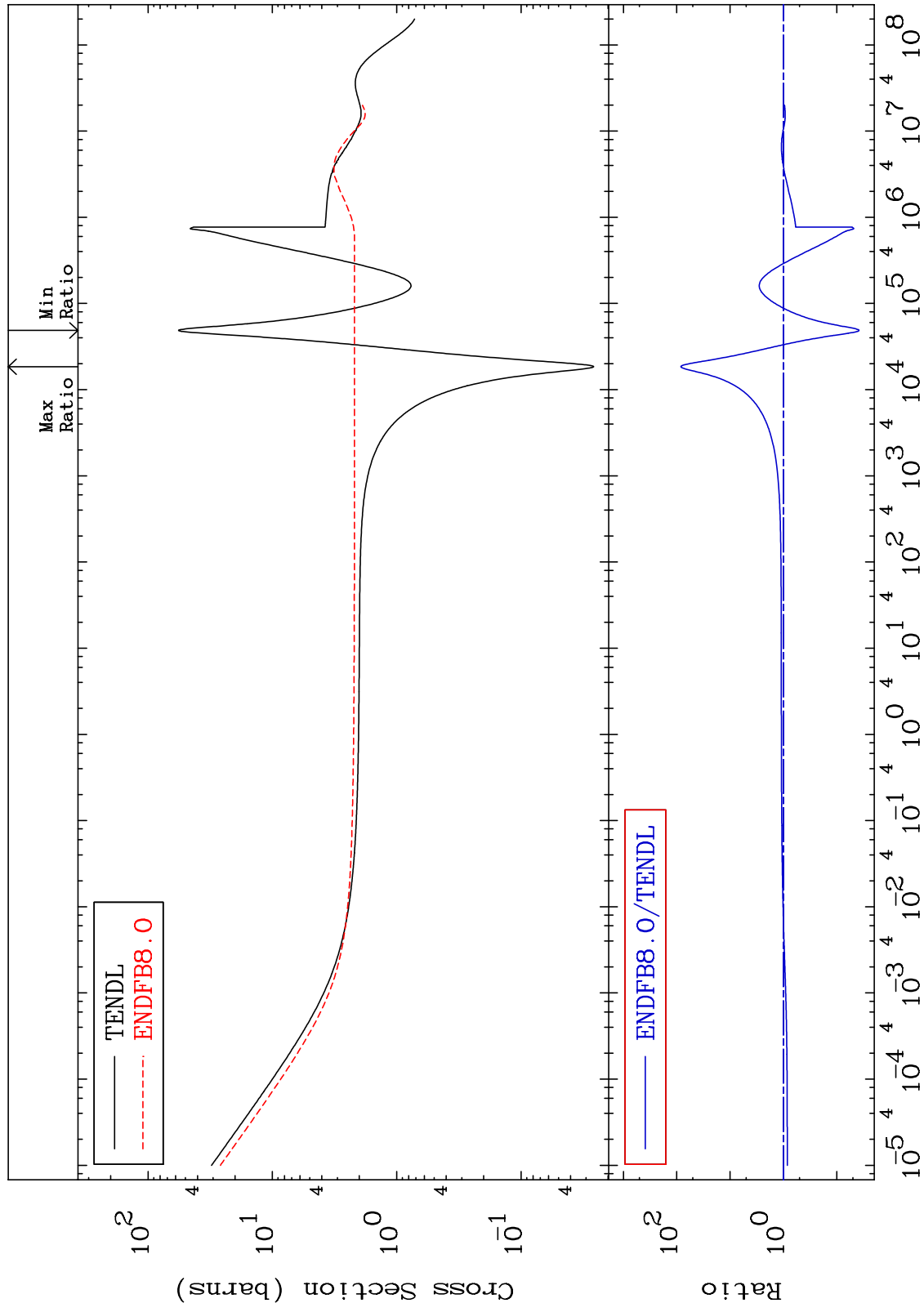
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1637 Total Cross Section 16-S -36 -96.16 To 8277. %



16-S -36

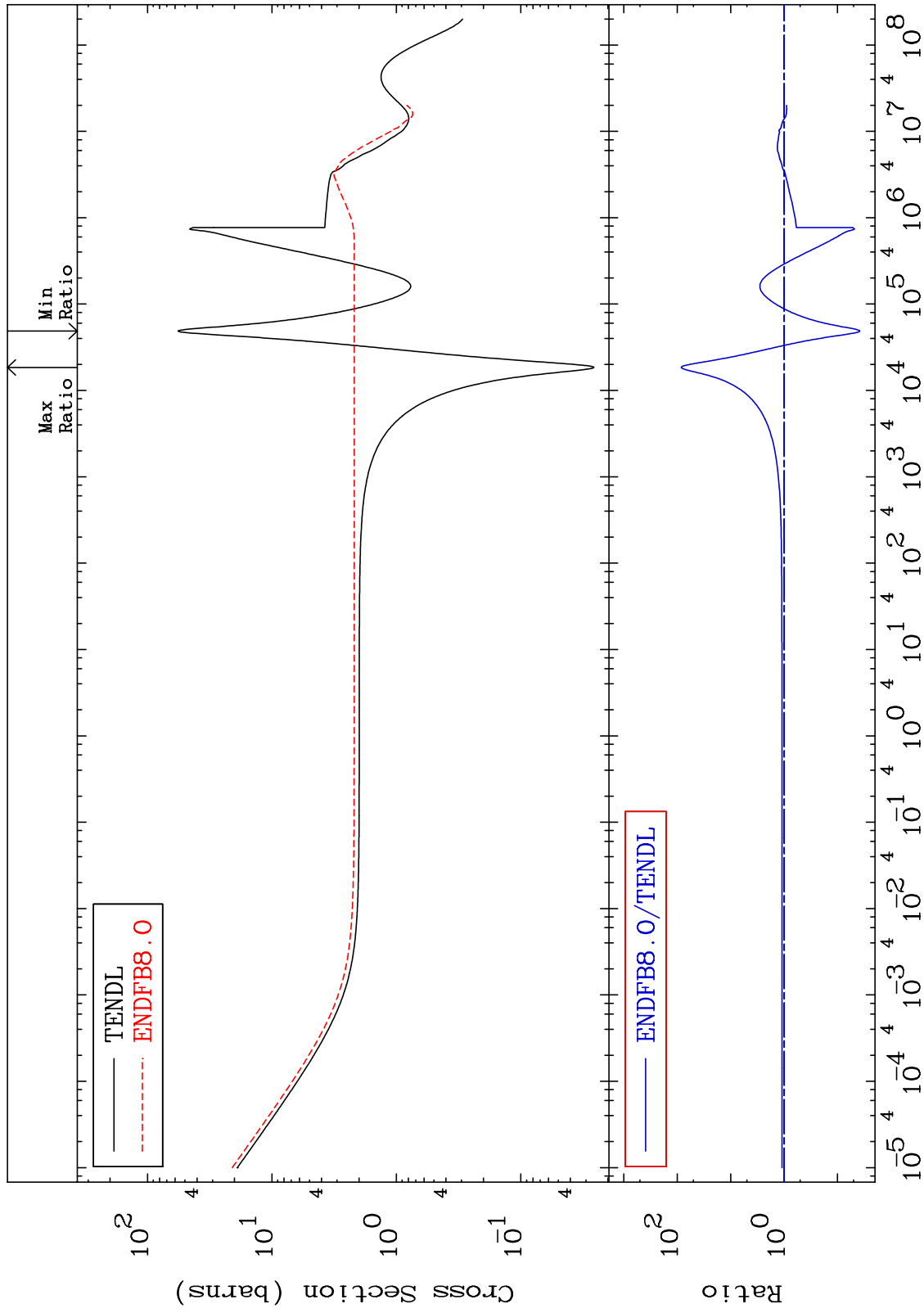
Incident Energy (eV)

1

MAT 1637

Elastic
Cross Section

16-S -36
-96.16 To 8331. %



2

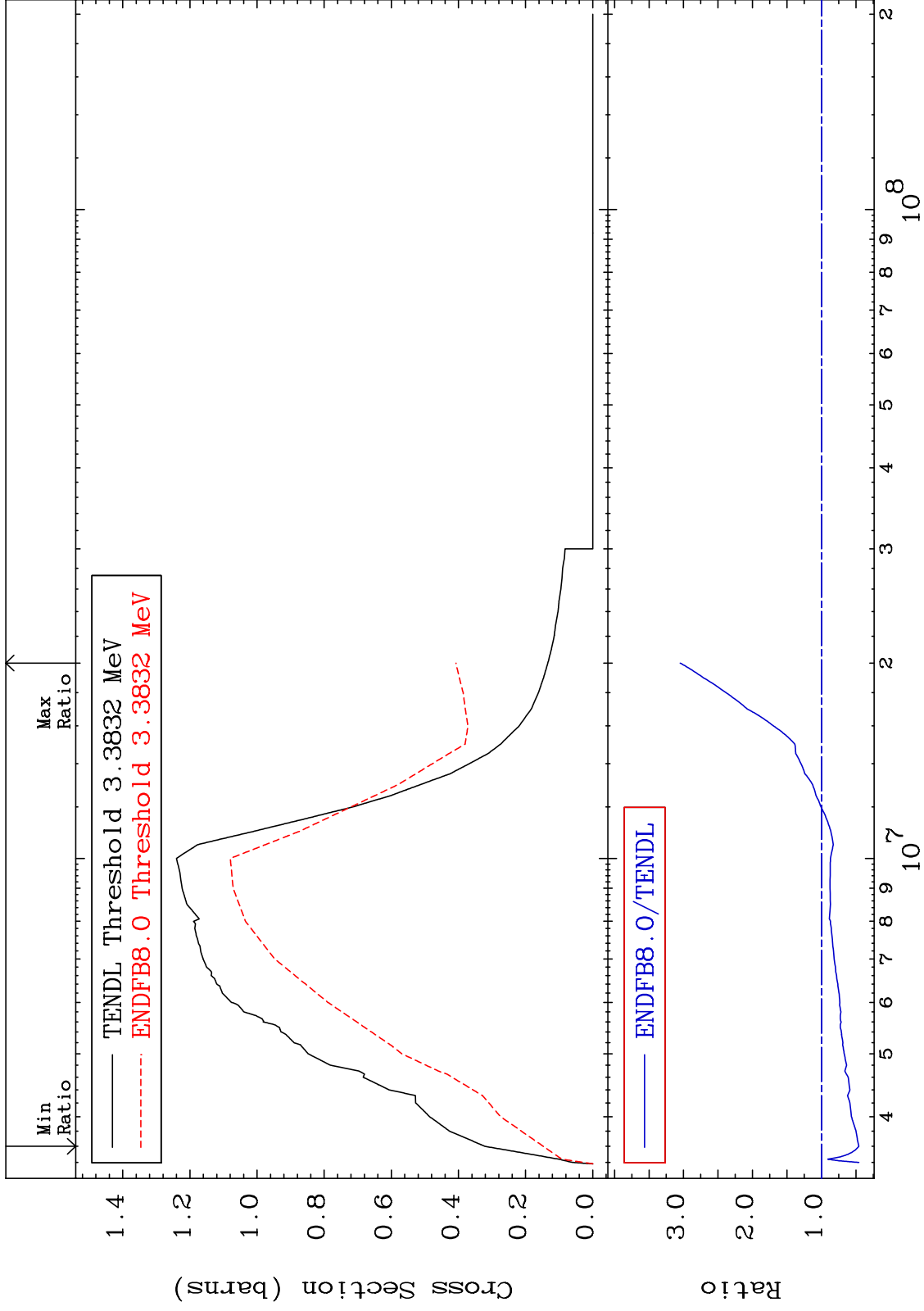
Incident Energy (eV)

16-S -36

MAT 1637

Inelastic
Cross Section

16-S -36
-54.22 To 204.8 %

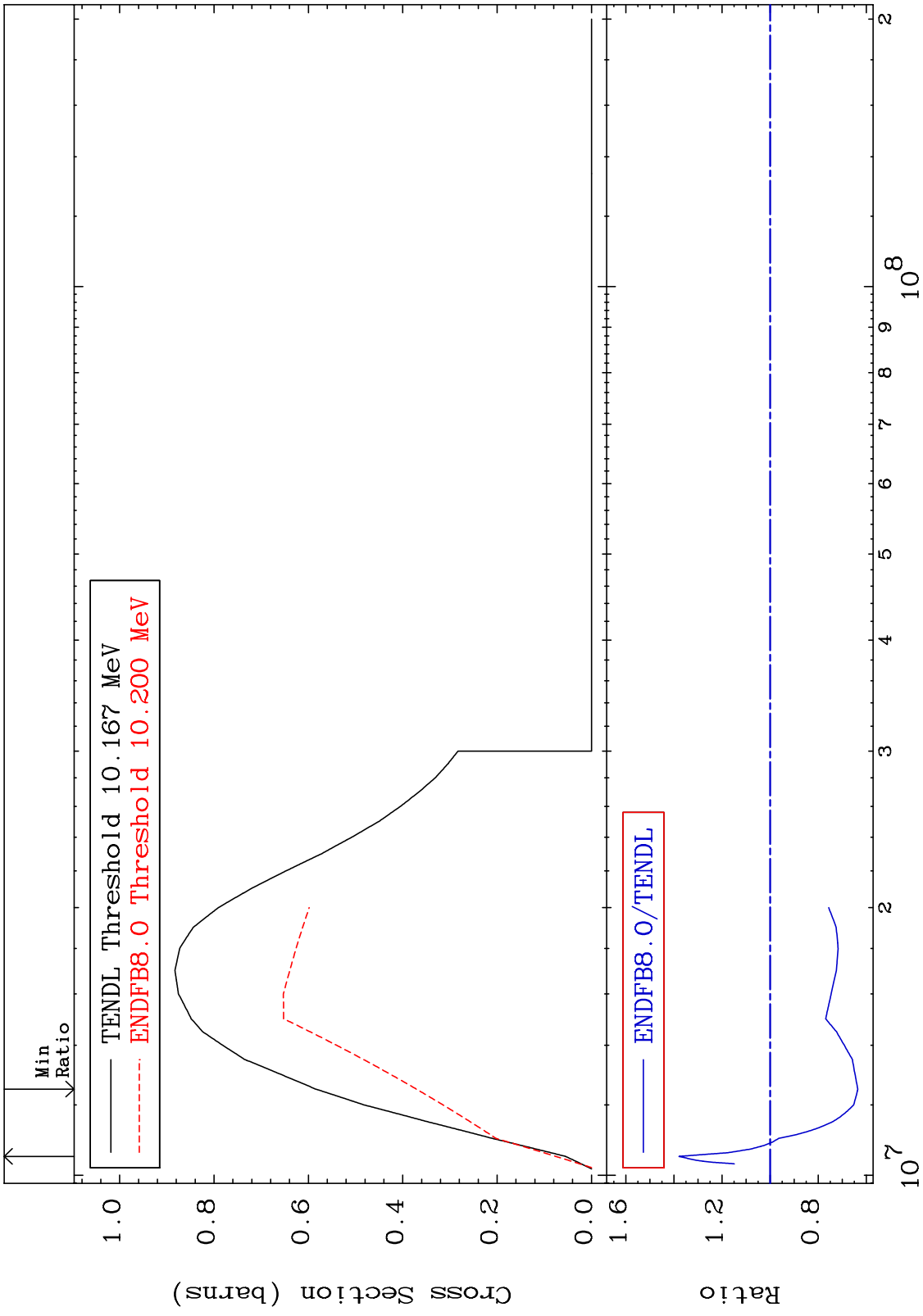


16-S -36

Incident Energy (eV)

3

MAT 1637 (n,2n) Cross Section 16-S -36 -36.49 To 37.90 %



16-S -36

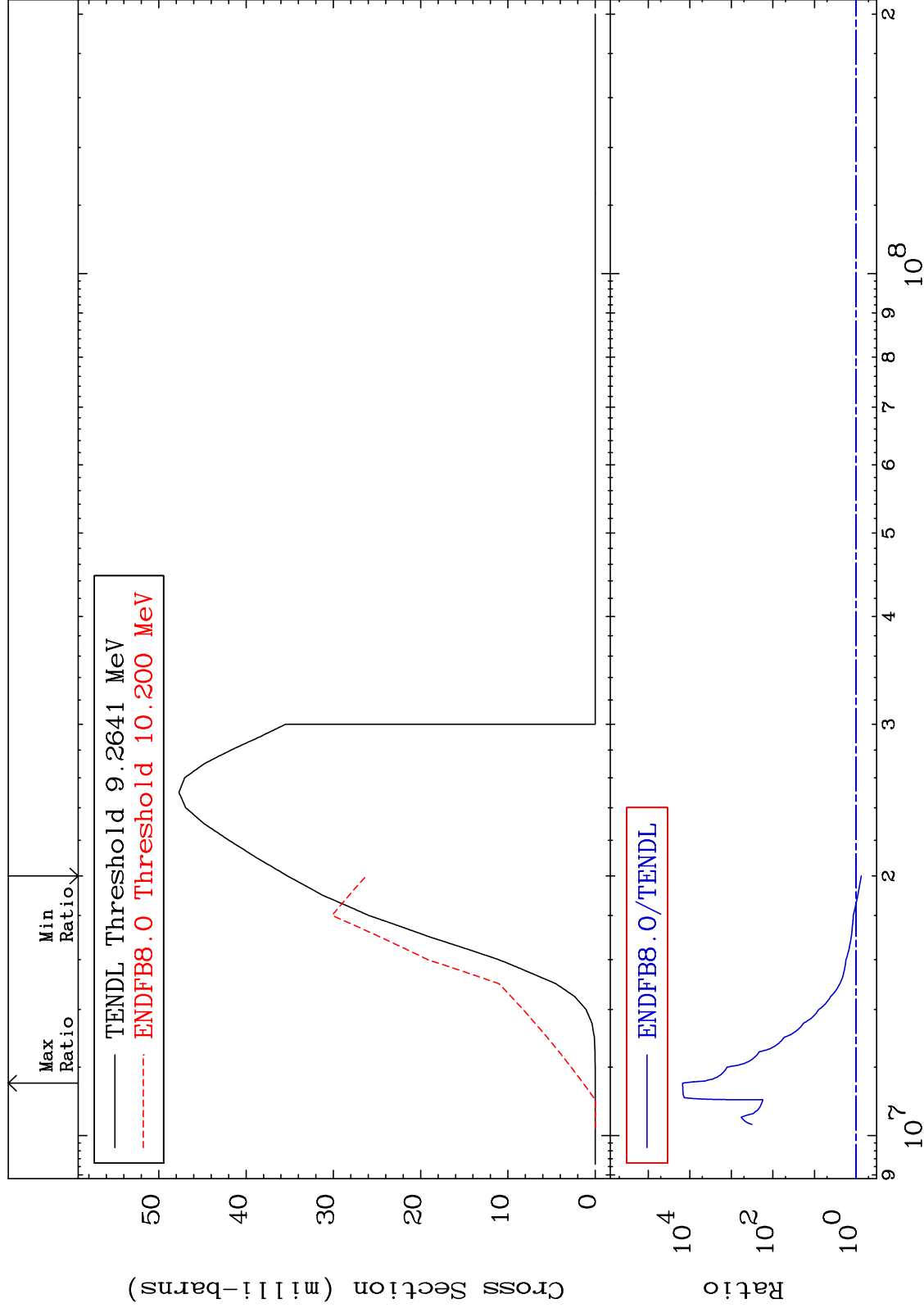
MAT 1637

(n,n') α

16-S -36

Cross Section

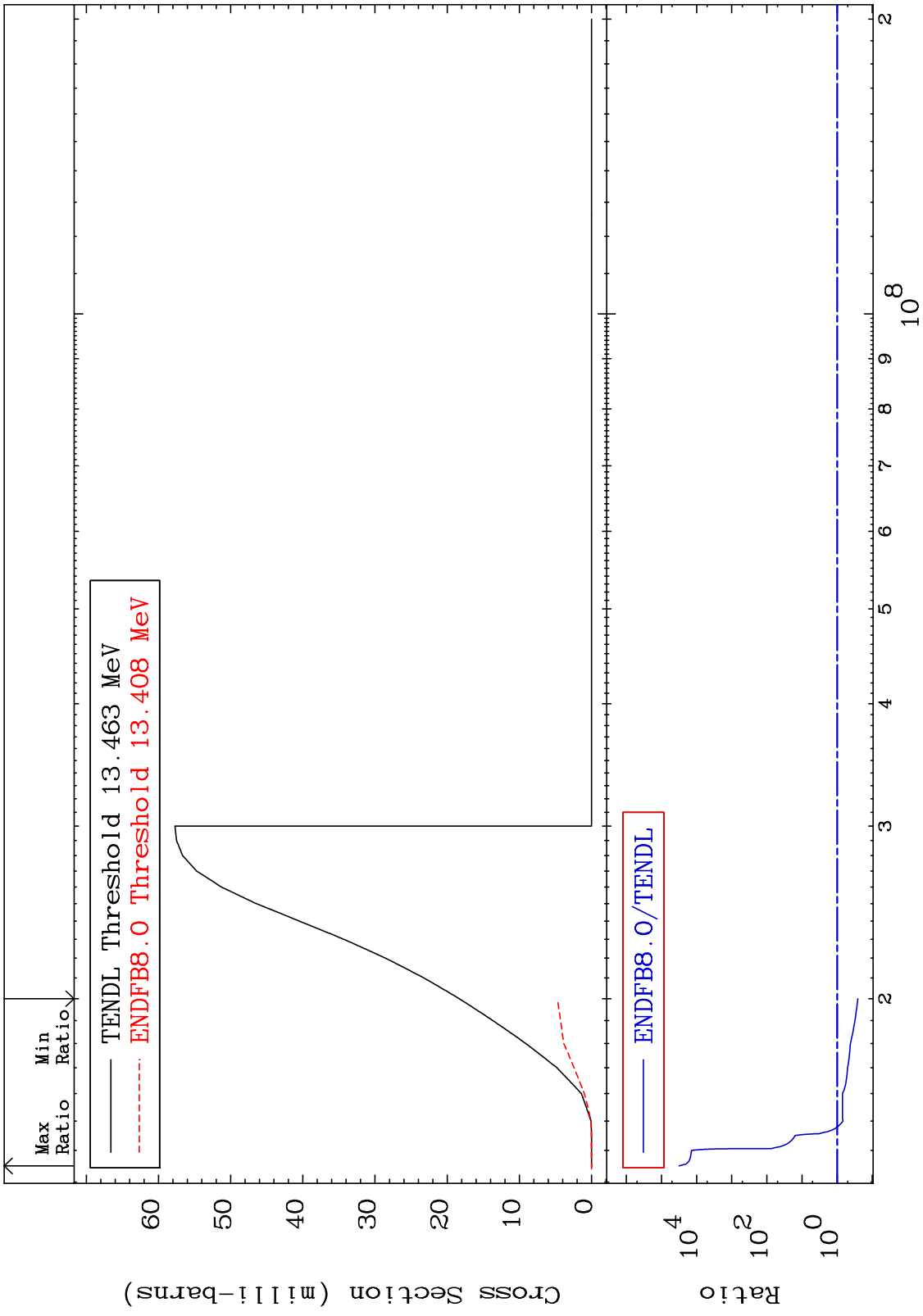
-25.57 To 9999. %



5

Incident Energy (eV)

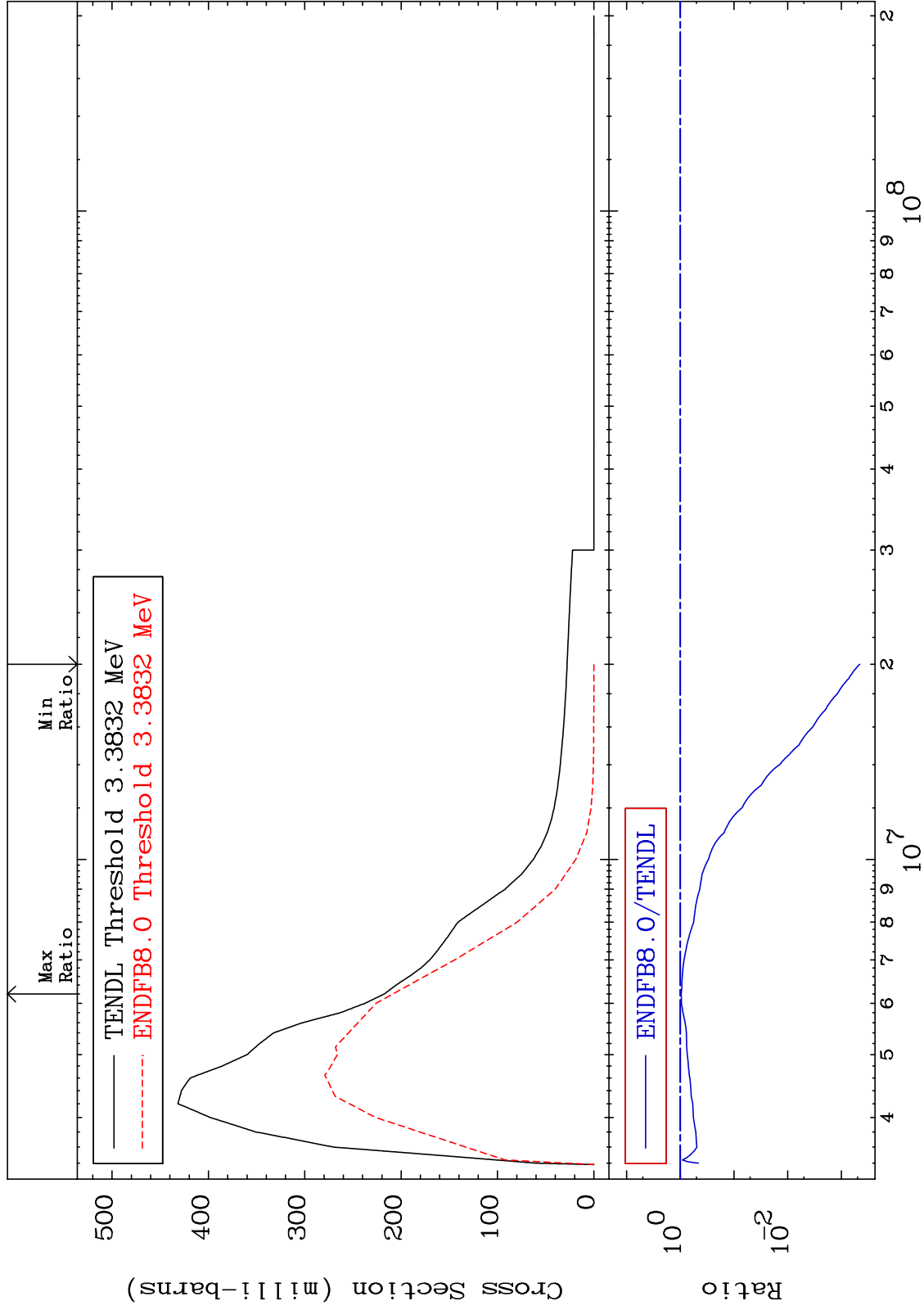
16-S -36



MAT 1637

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

16-S -36
-99.95 To -4.070%



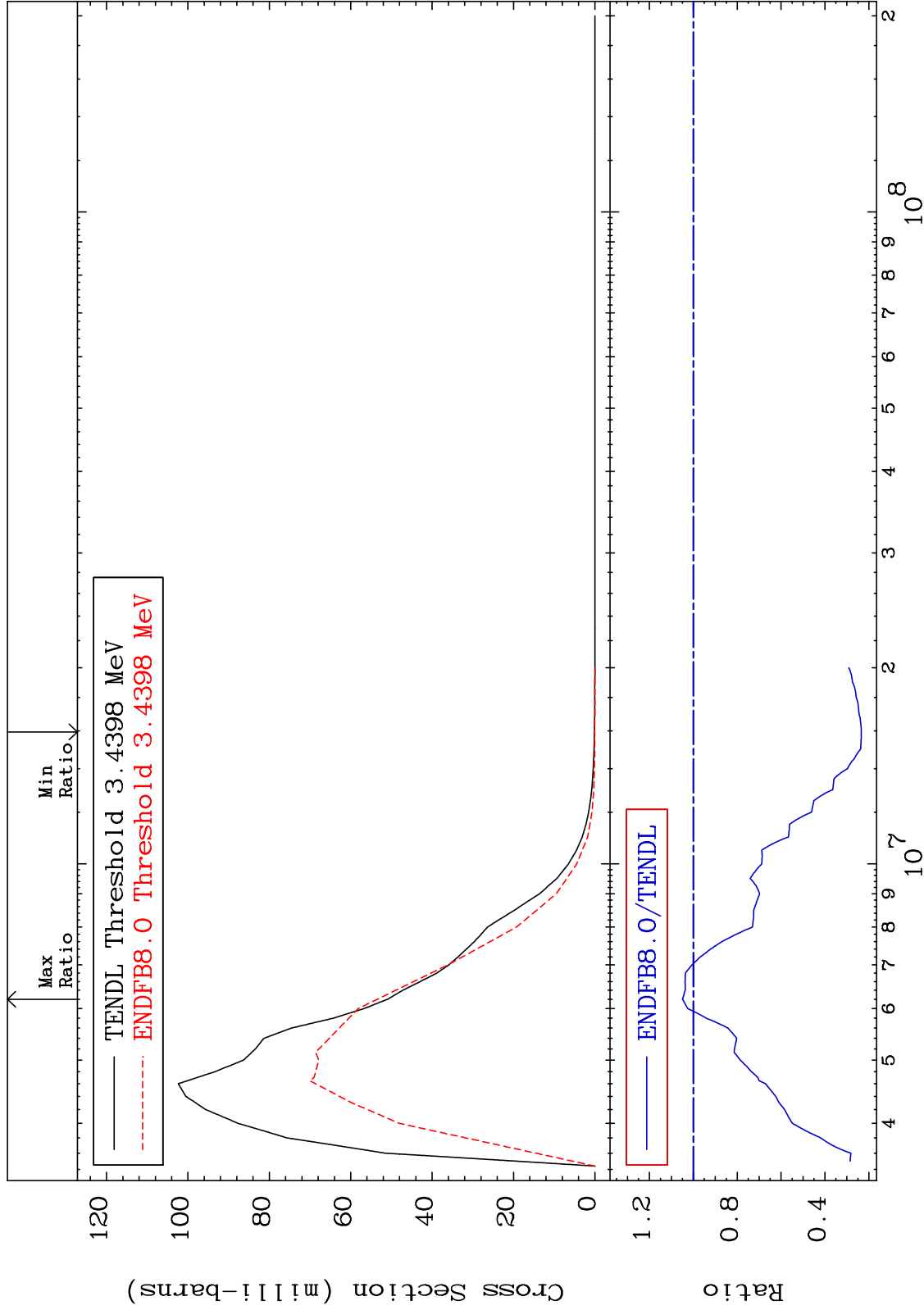
7

16-S -36

MAT 1637

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

16-S -36
-76.57 To 4.958 %

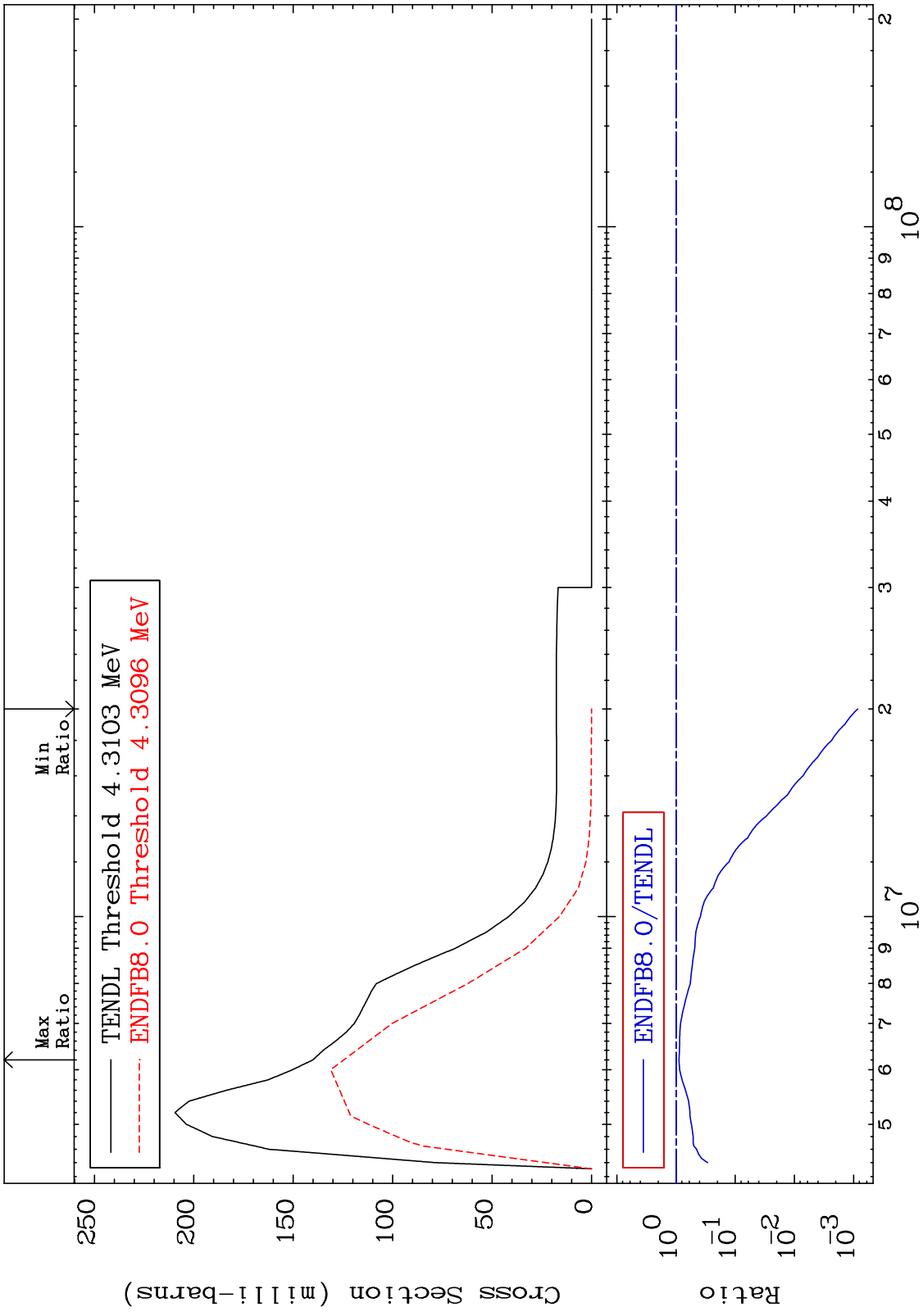


8

Incident Energy (eV)

16-S -36

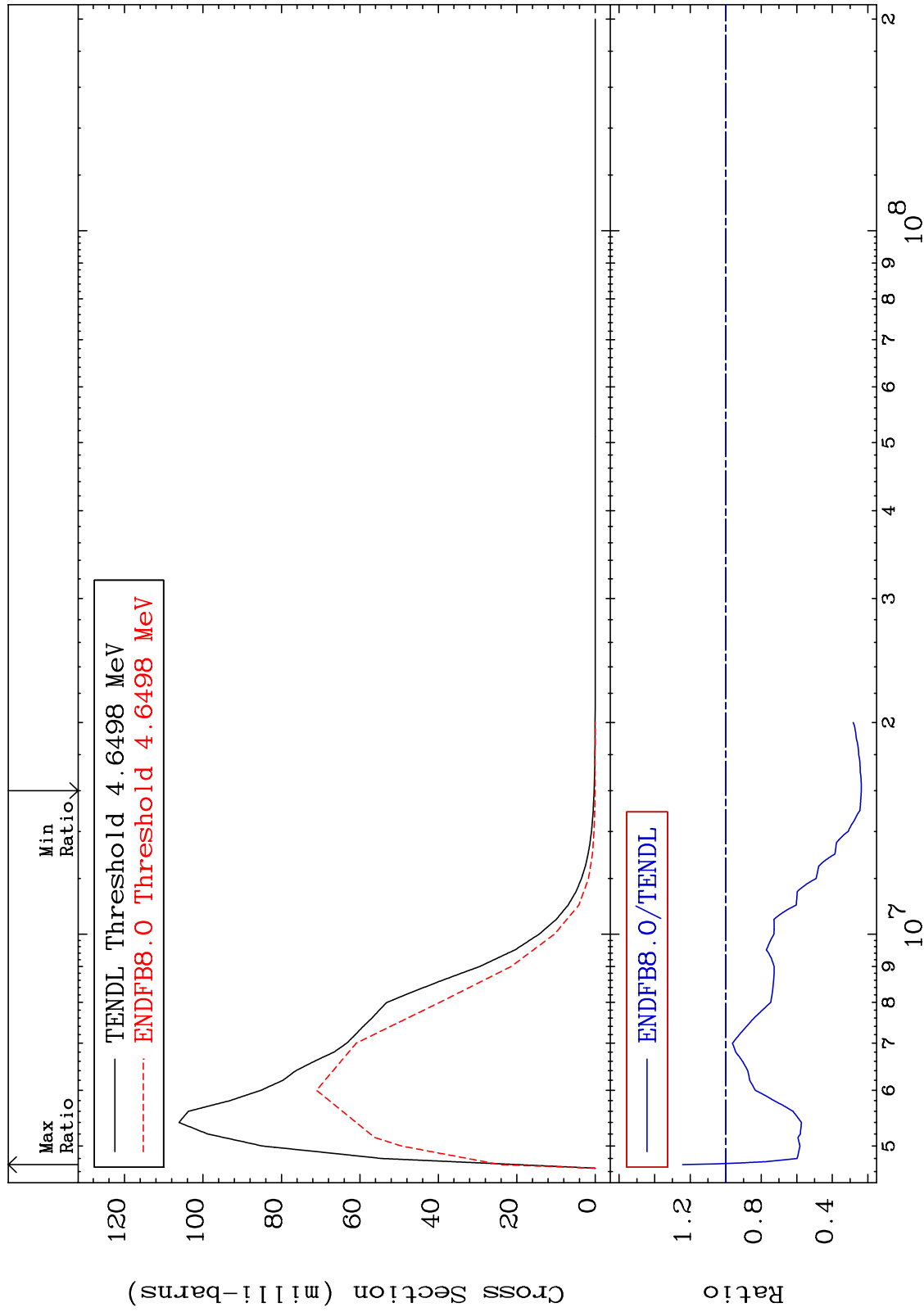
MAT 1637 MT= 53 (n,n') Level Cross Section 16-S -36
-99.92 To -11.07%



MAT 1637

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

16-S -36
-76.33 To 24.21 %



10

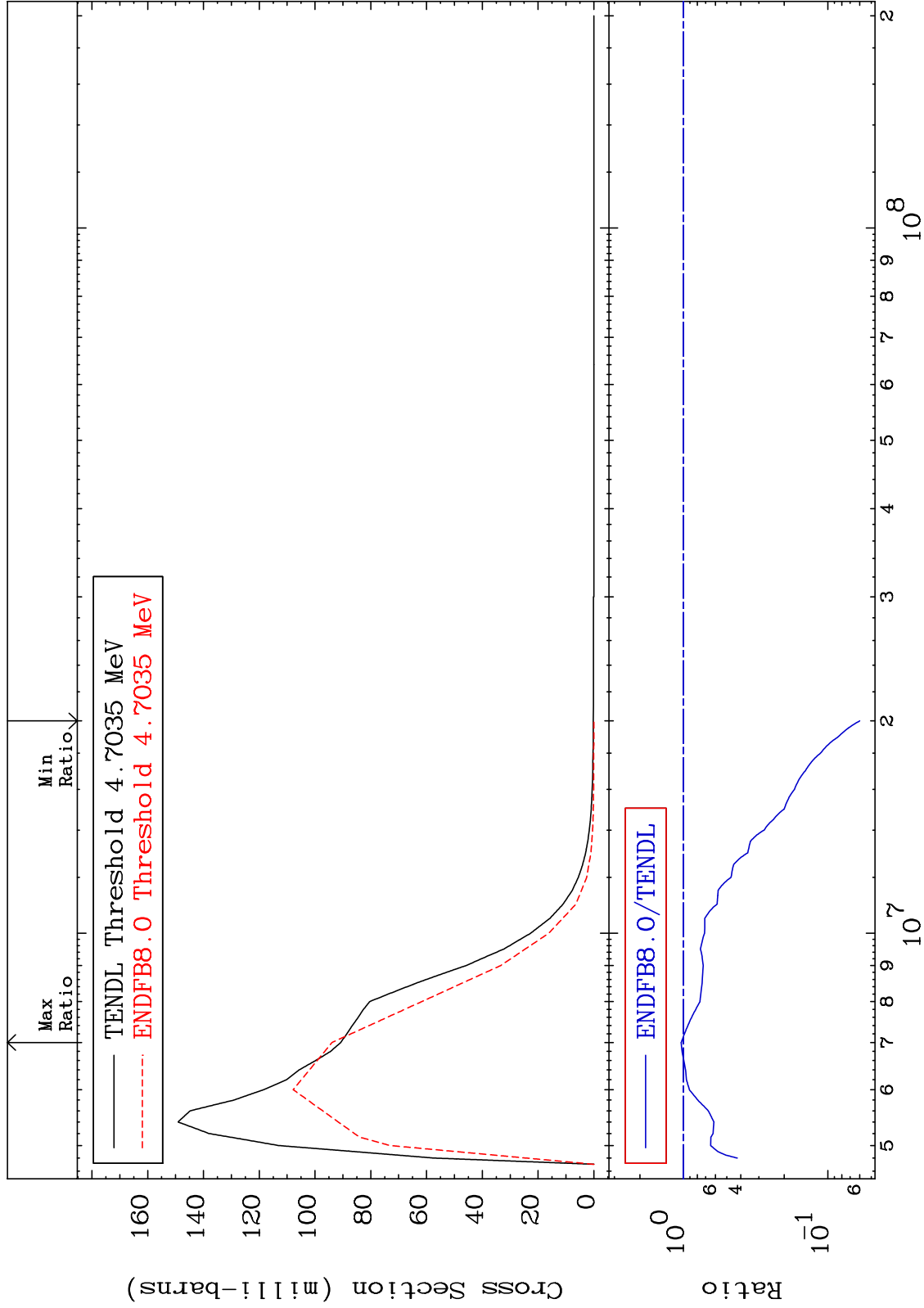
Incident Energy (eV)

16-S -36

MAT 1637

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

16-S -36
-93.99 To 3.421 %



11

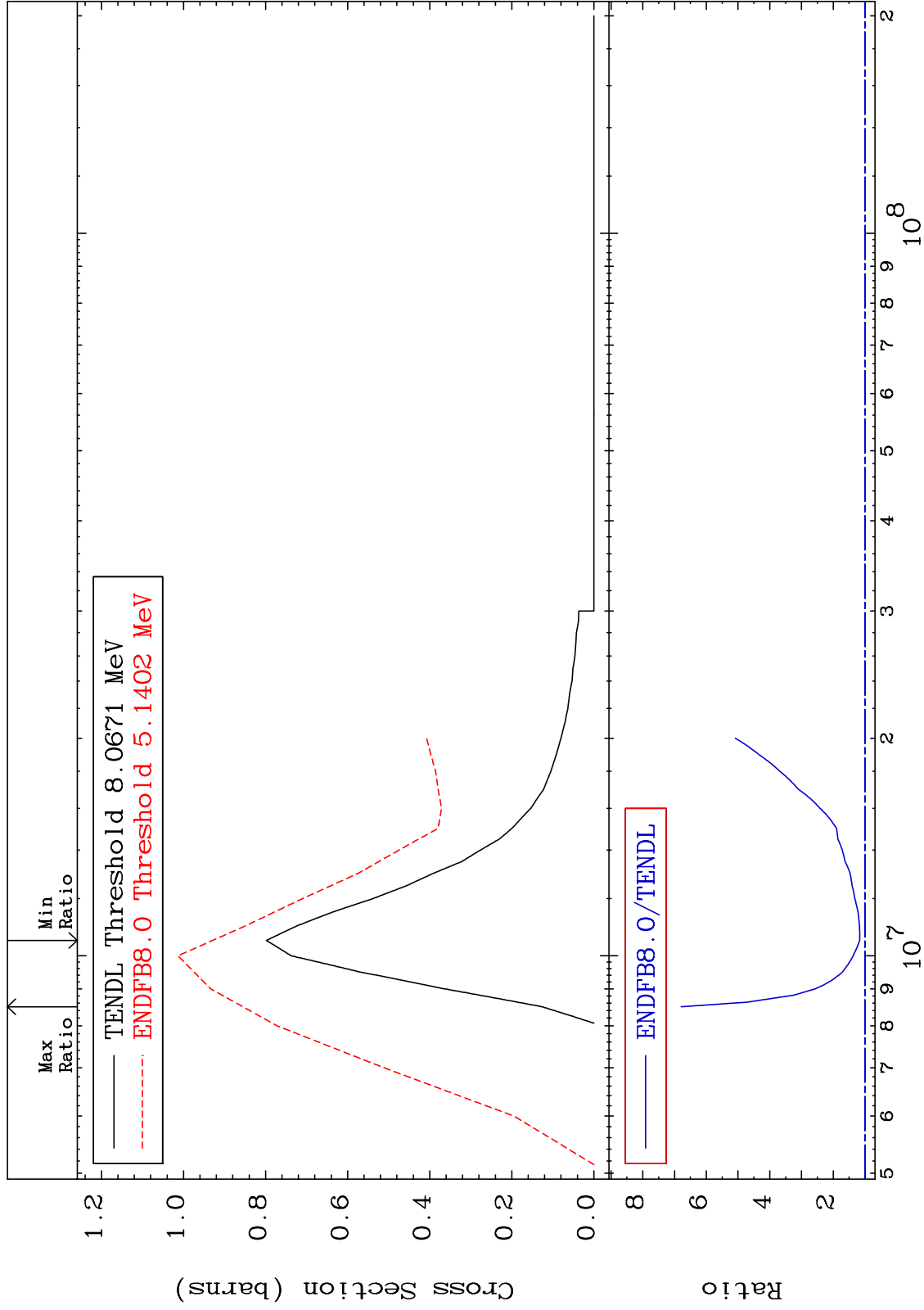
Incident Energy (eV)

16-S -36

MAT 1637

(n,n') Continuum
Cross Section

16-S -36
16.45 To 578.8 %



12

16-S -36

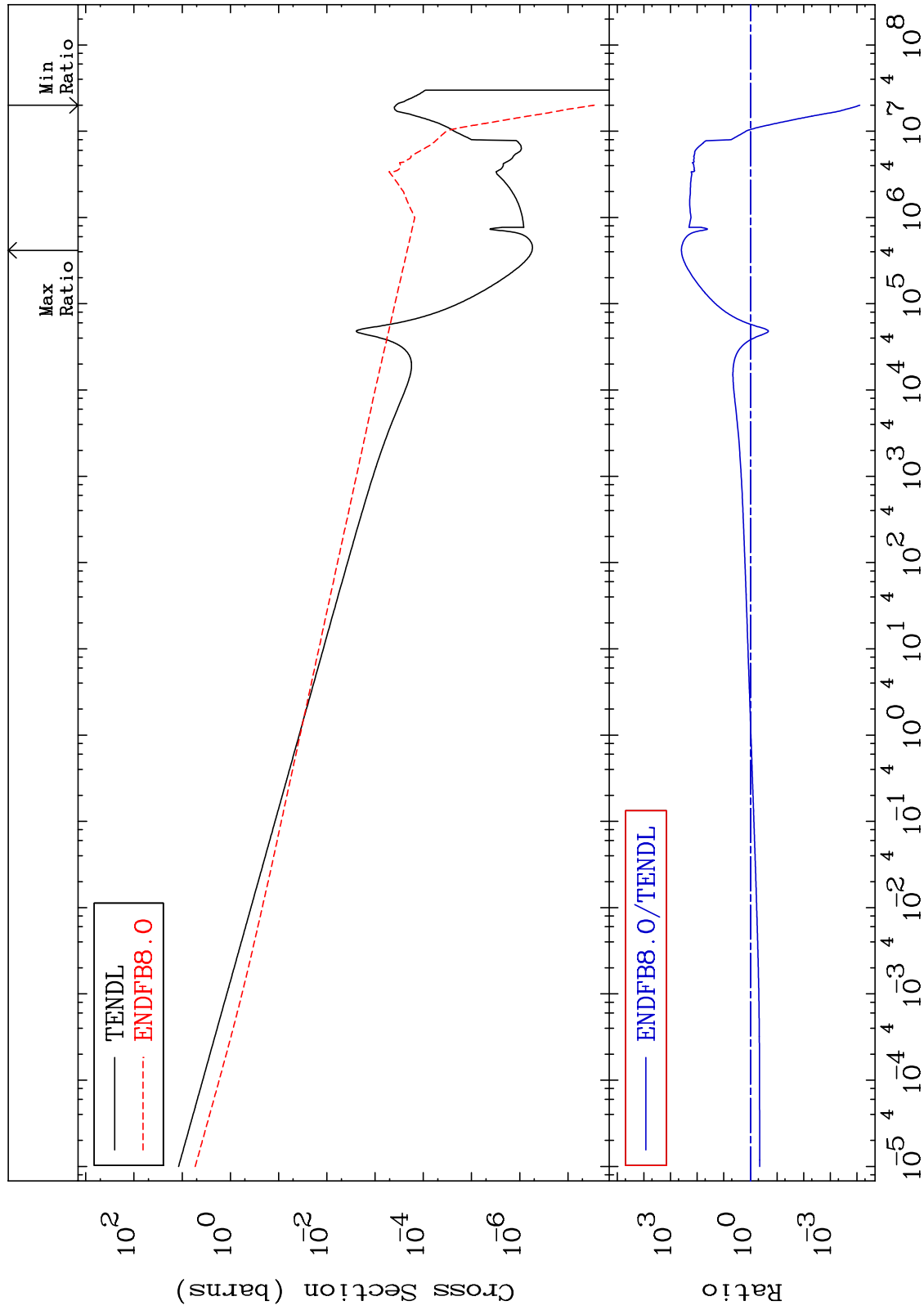
MAT 1637

(n, γ)

16-S -36

Cross Section

-99.99 To 9999. %

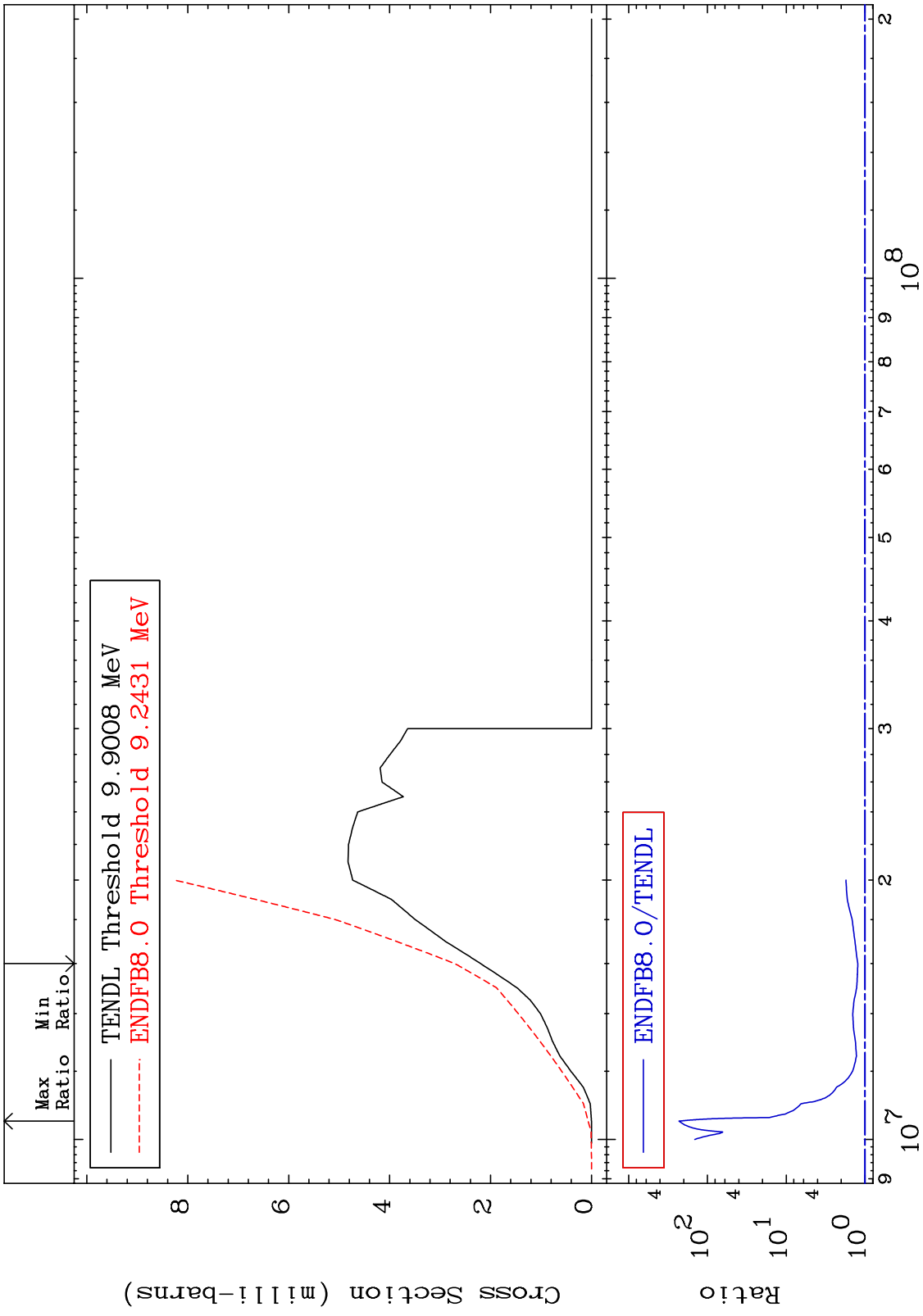


13

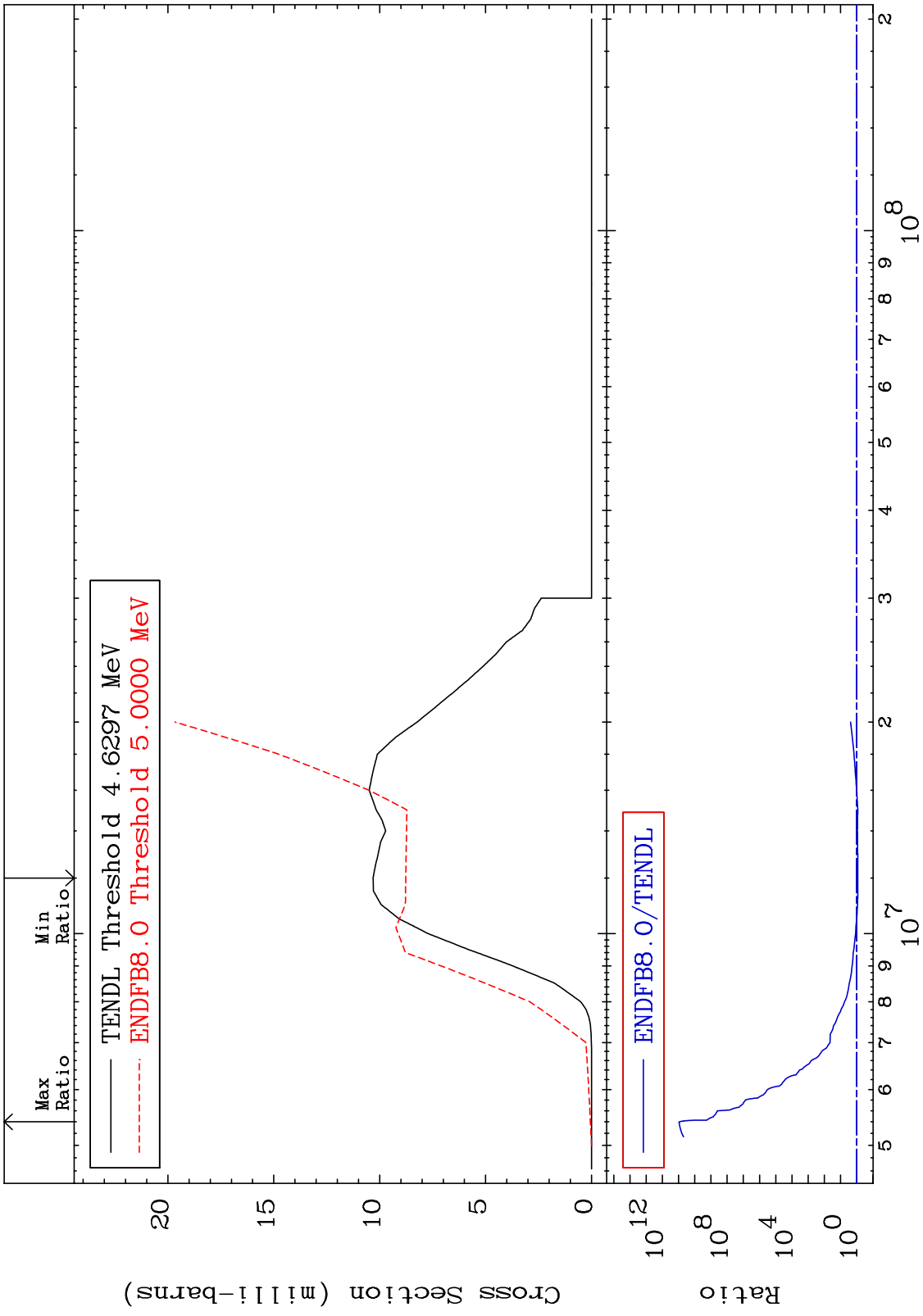
Incident Energy (eV)

16-S -36

MAT 1637 (n,p) Cross Section 16-S -36 23.20 To 9999. %



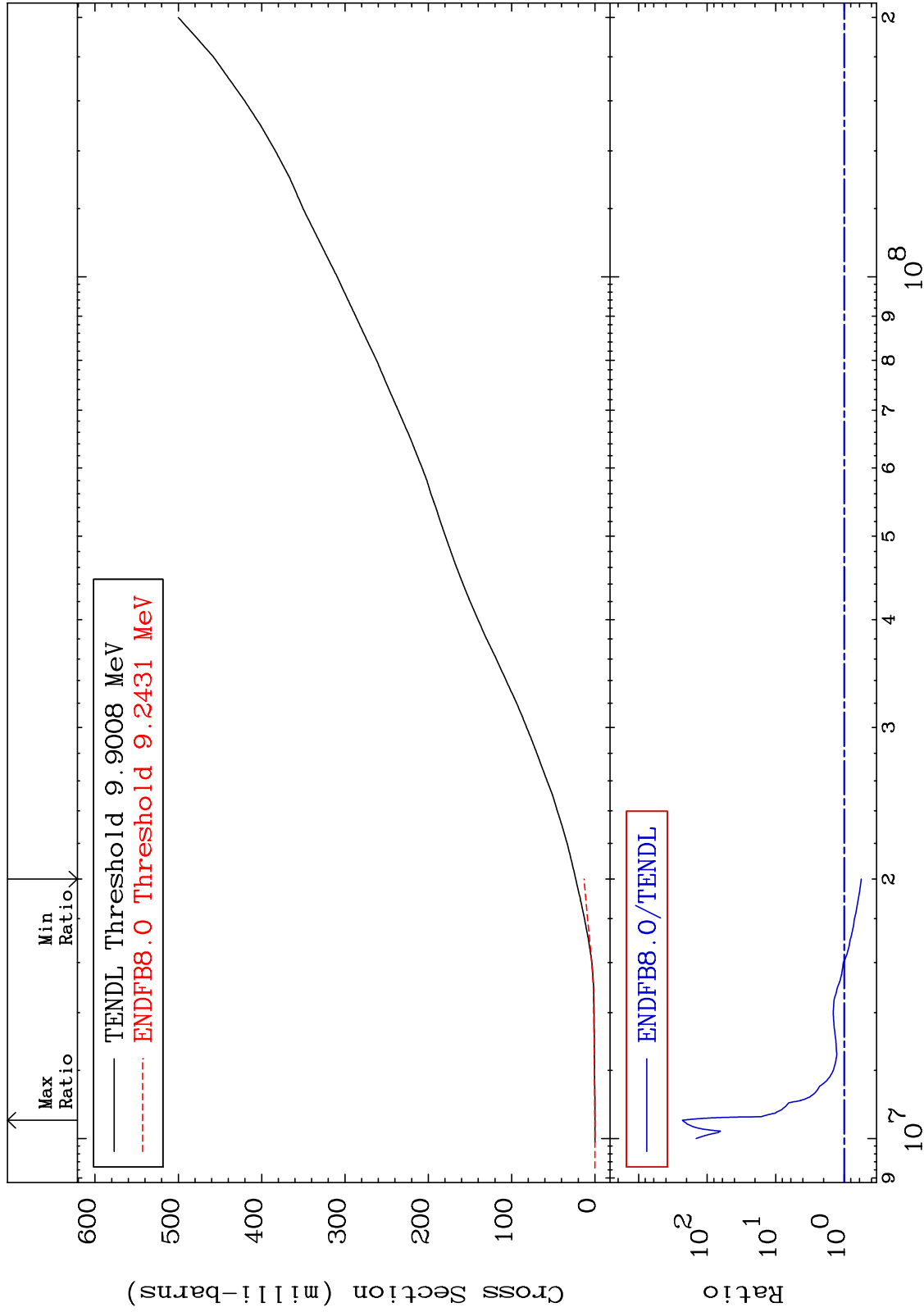
MAT 1637 (n,α) 16-S -36
 Cross Section -14.98 To 9999. %



MAT 1637

Hydrogen Production
Cross Section

16-S -36
-43.68 To 9999. %



16

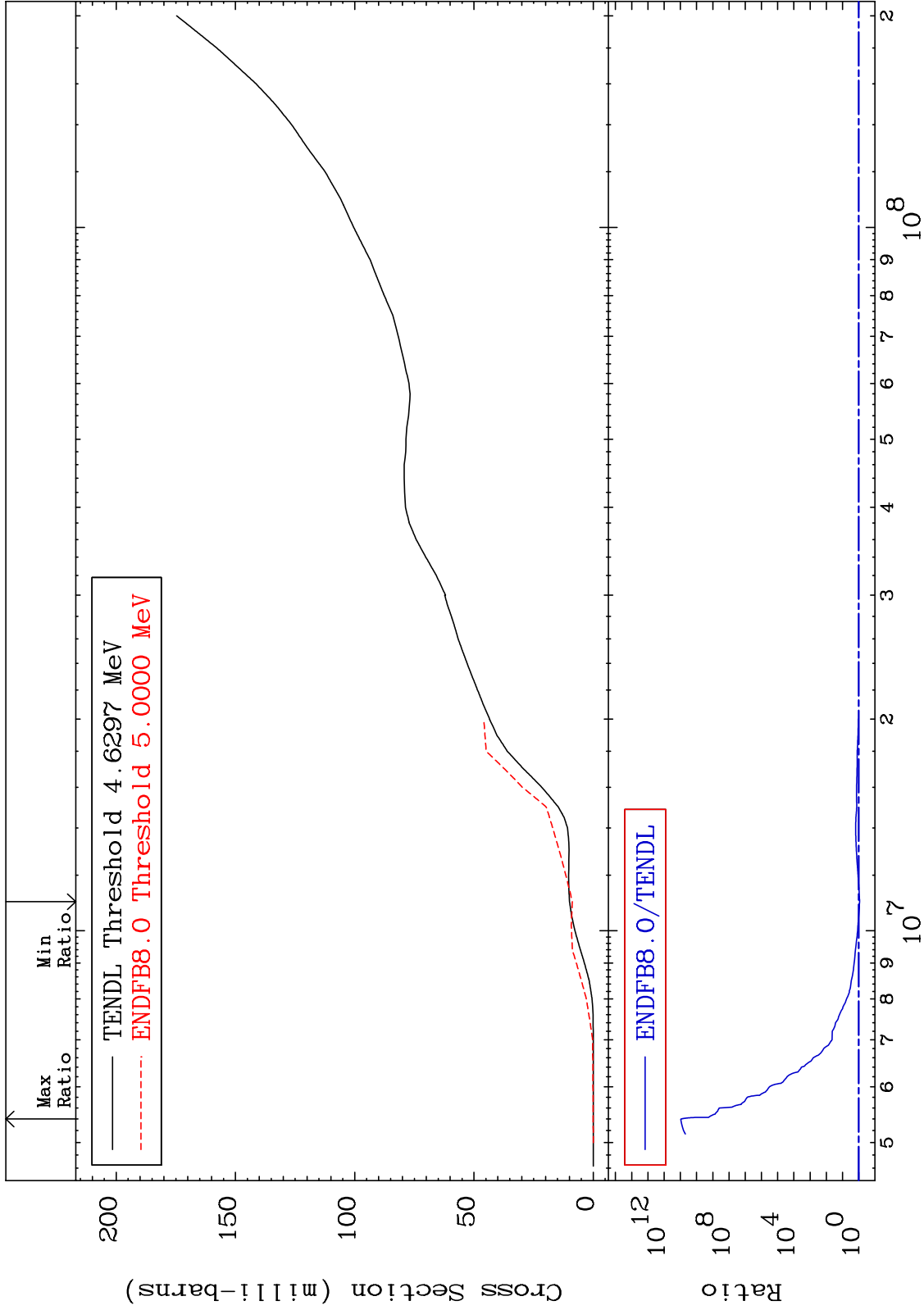
Incident Energy (eV)

16-S -36

MAT 1637

He-4 Production
Cross Section

16-S -36
-11.54 To 9999. %

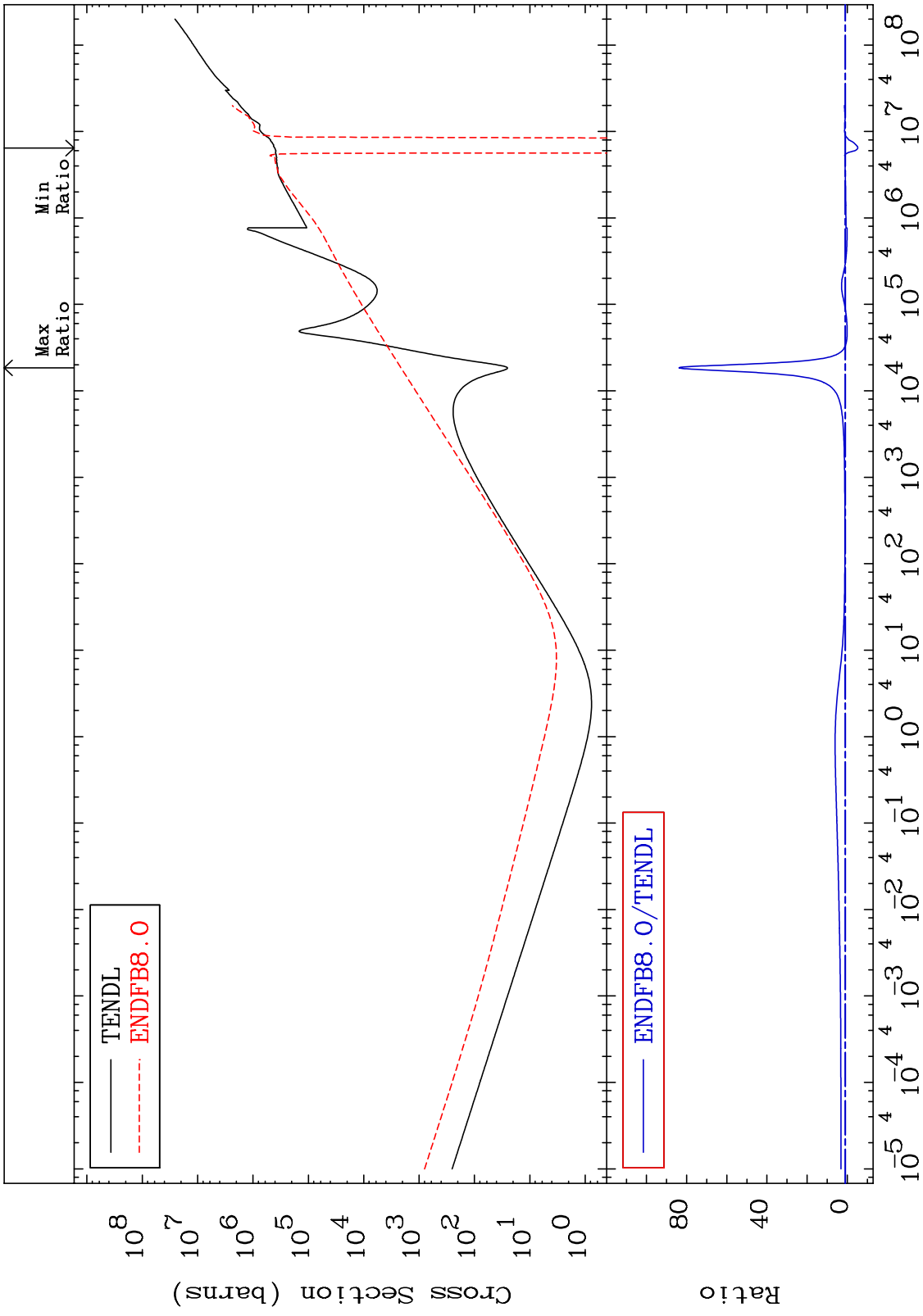


17

Incident Energy (eV)

16-S -36

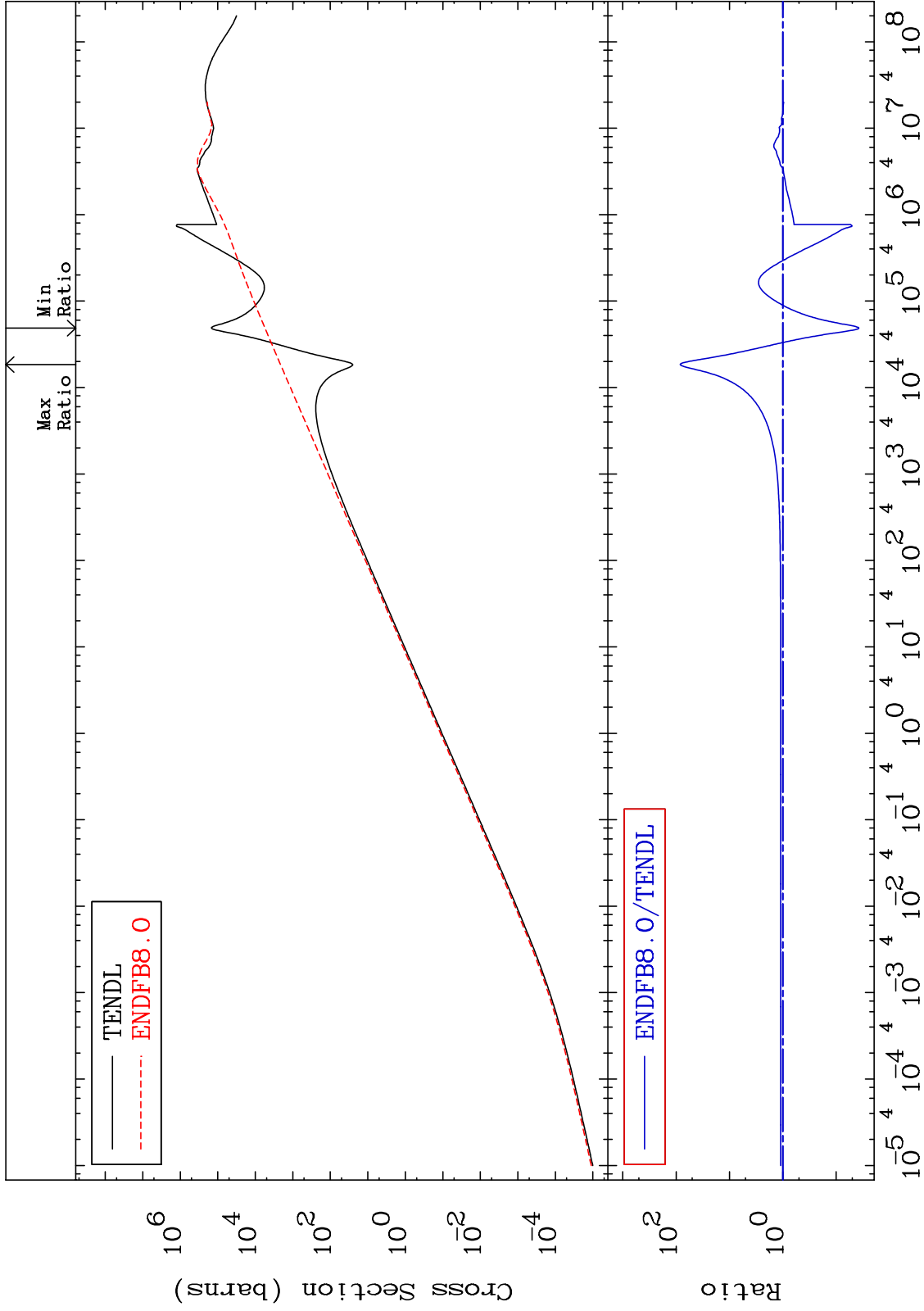
MAT 1637 Kerma total (eV-barns)
 Cross Section 16-S -36
 -628.5 To 8278. %



MAT 1637

Kerma elastic
Cross Section

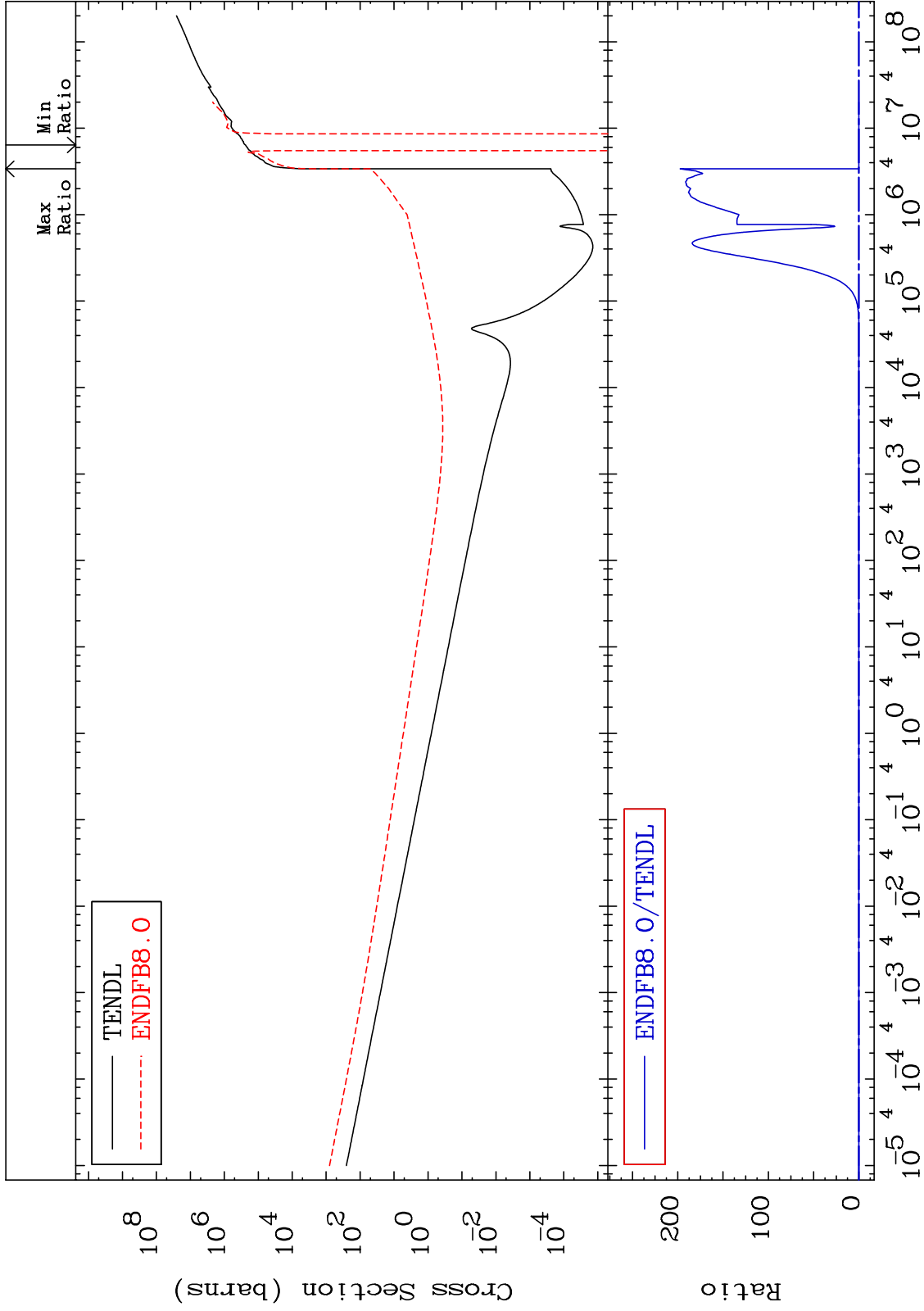
16-S -36
-96.25 To 8278. %



MAT 1637

Kerma non-elastic (all but mt2)
Cross Section

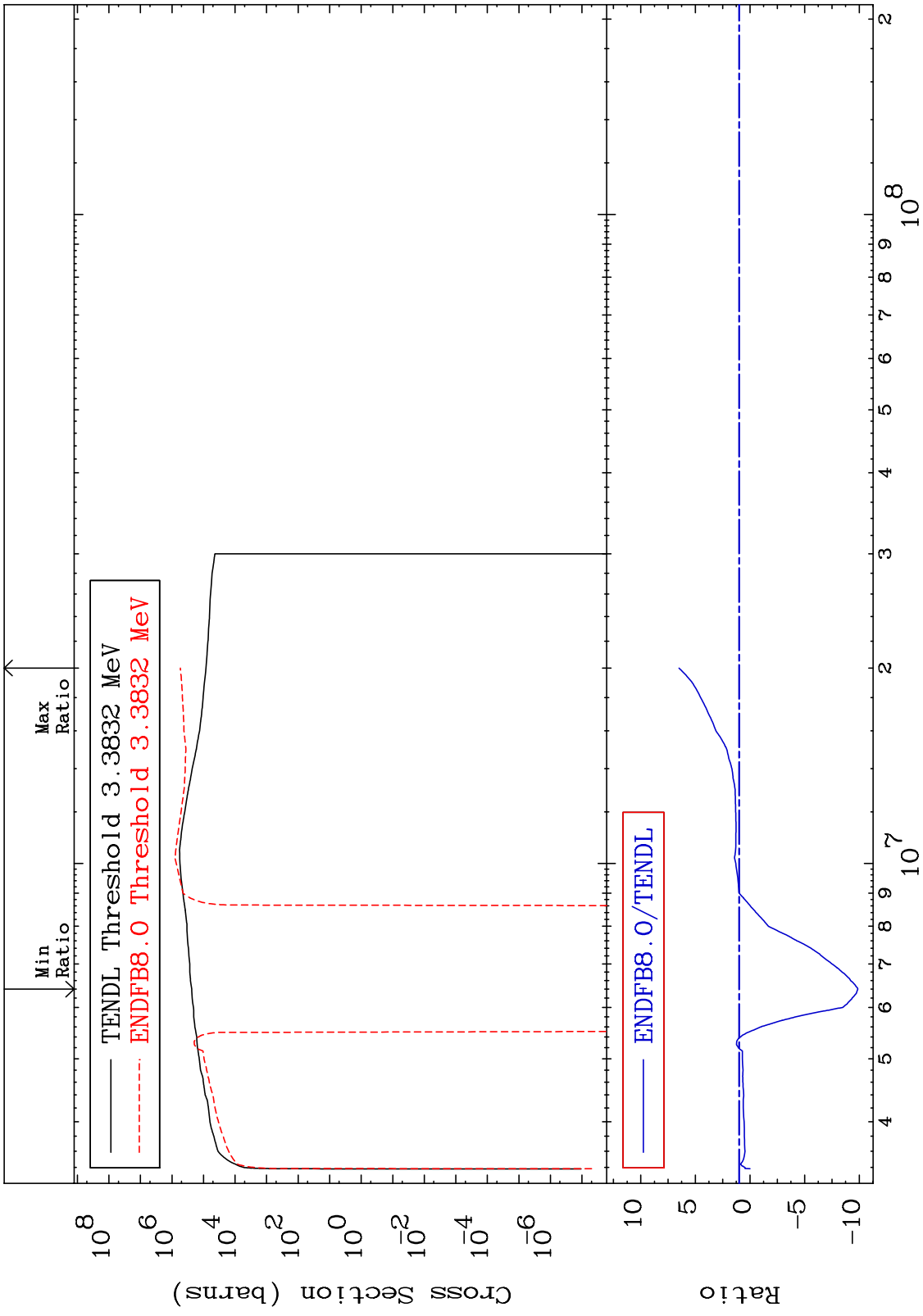
16-S -36
-1087. To 9999. %



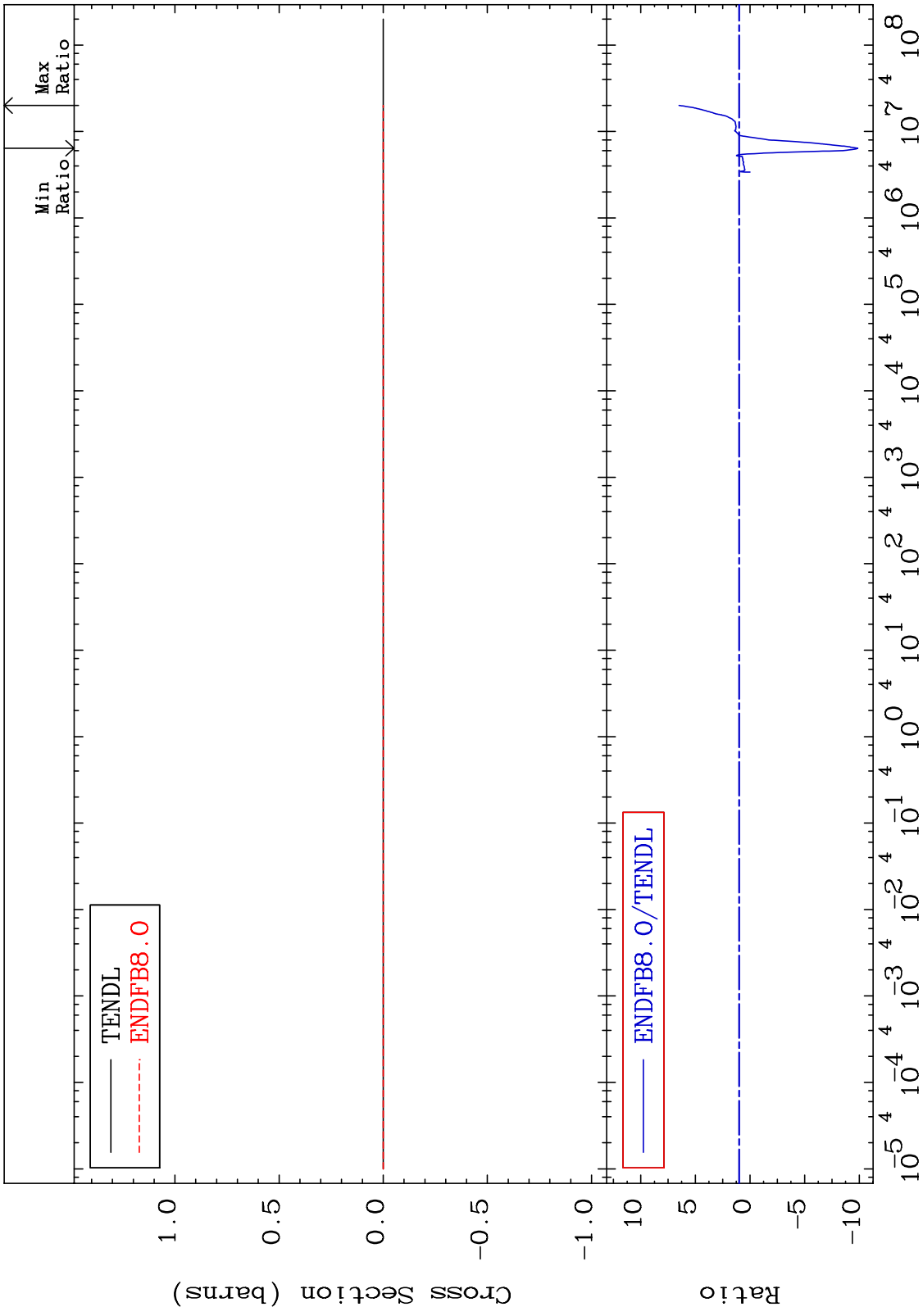
20

Incident Energy (eV)

16-S -36



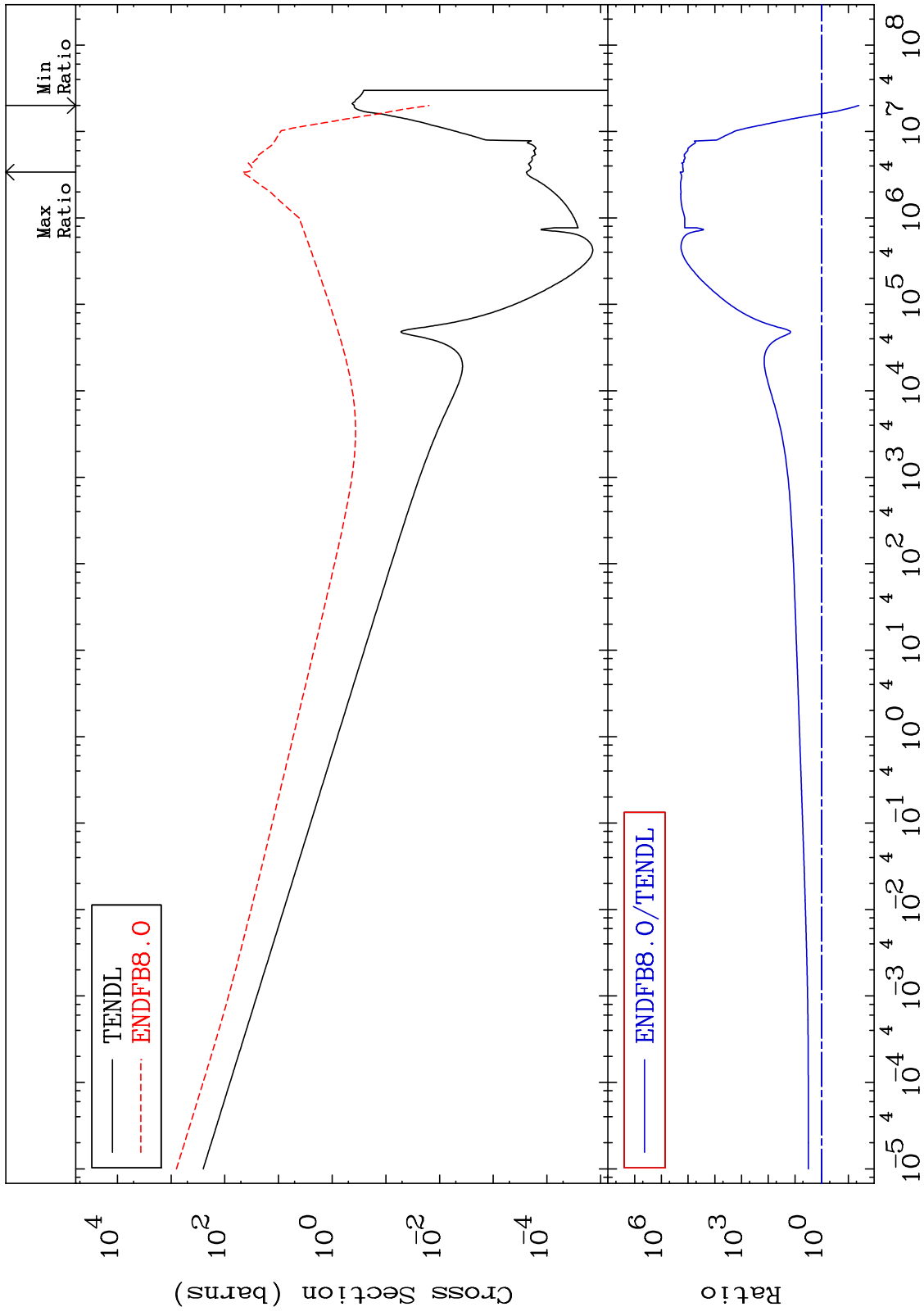
MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36
 Cross Section -1087. To 549.3 %



MAT 1637

Kerma capture (mt102)
Cross Section

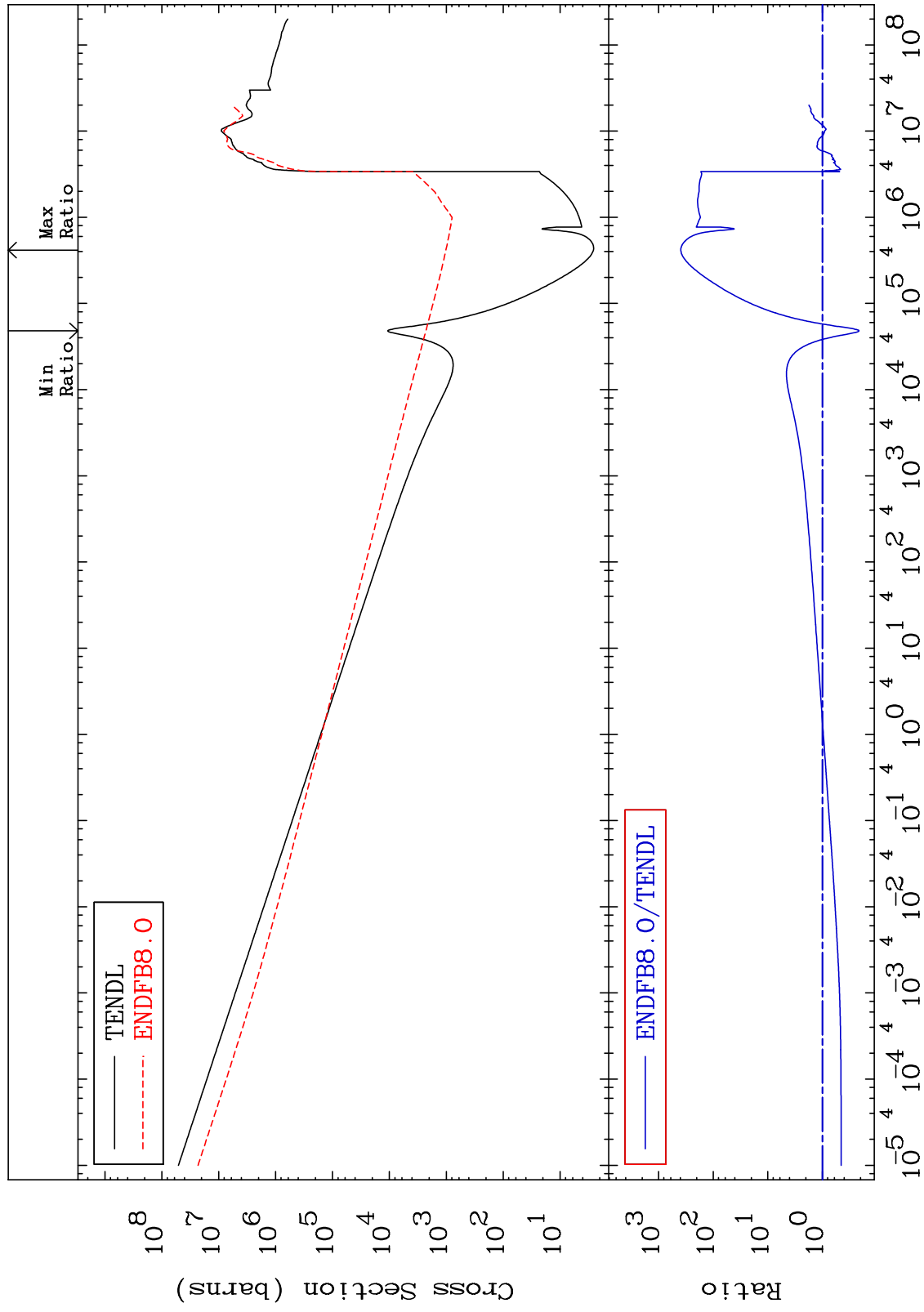
16-S -36
-95.95 To 9999. %



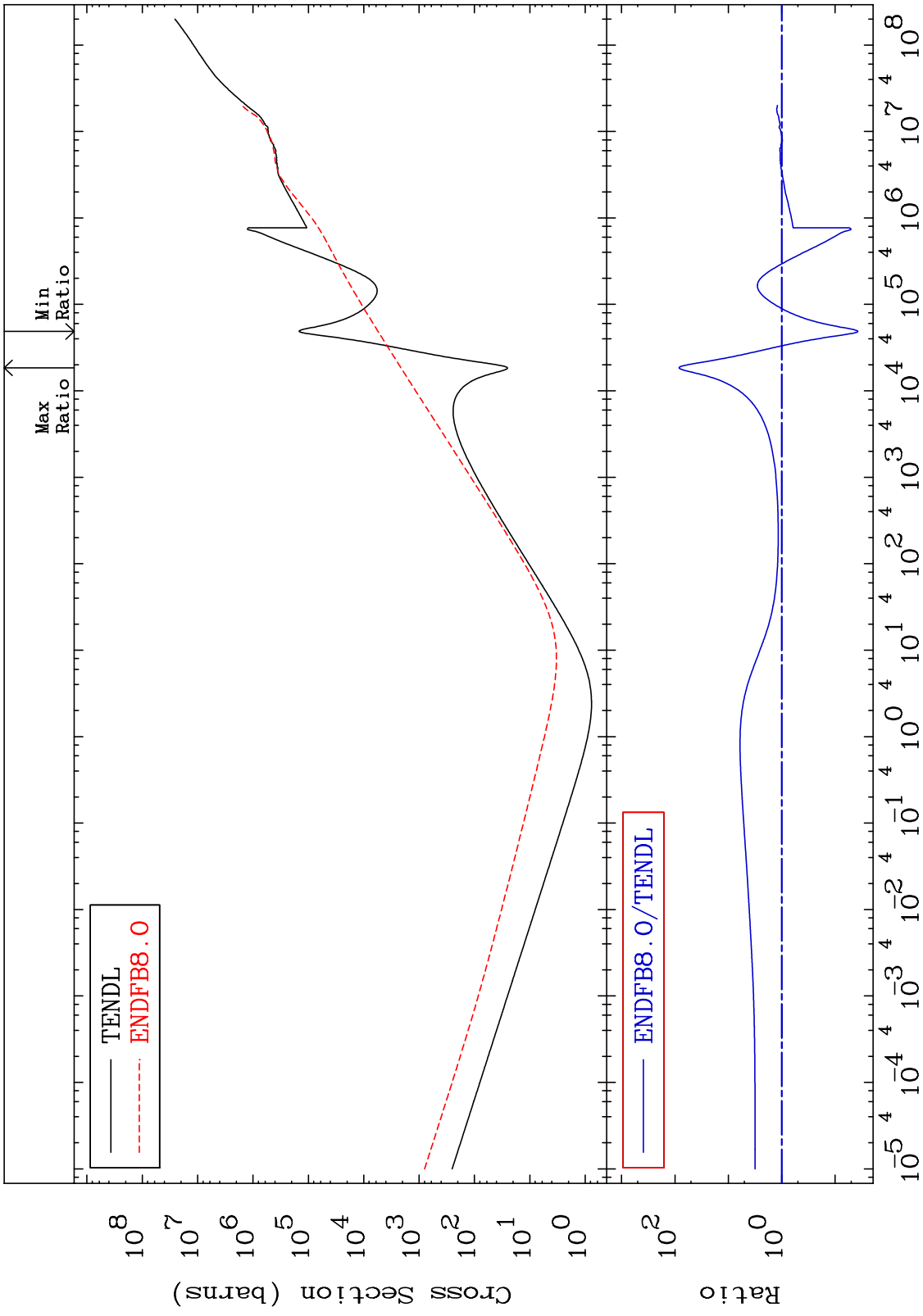
MAT 1637

Total photon (eV-barns)
Cross Section

16-S -36
-78.70 To 9999. %



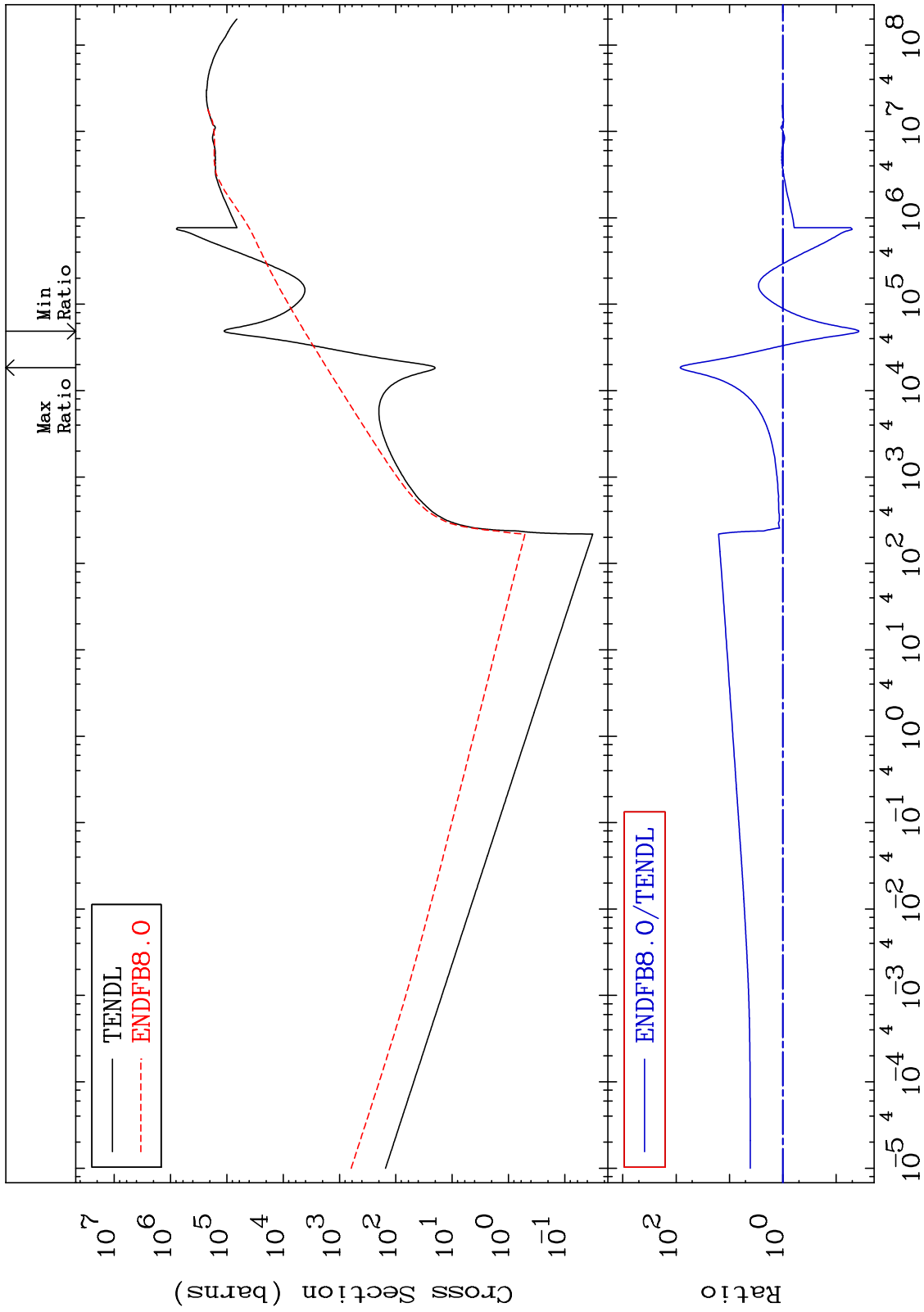
MAT 1637 Total kinematic kerma (high limit) 16-S -36
 Cross Section -96.25 To 8278. %



MAT 1637

Dpa total (eV-barns)
Cross Section

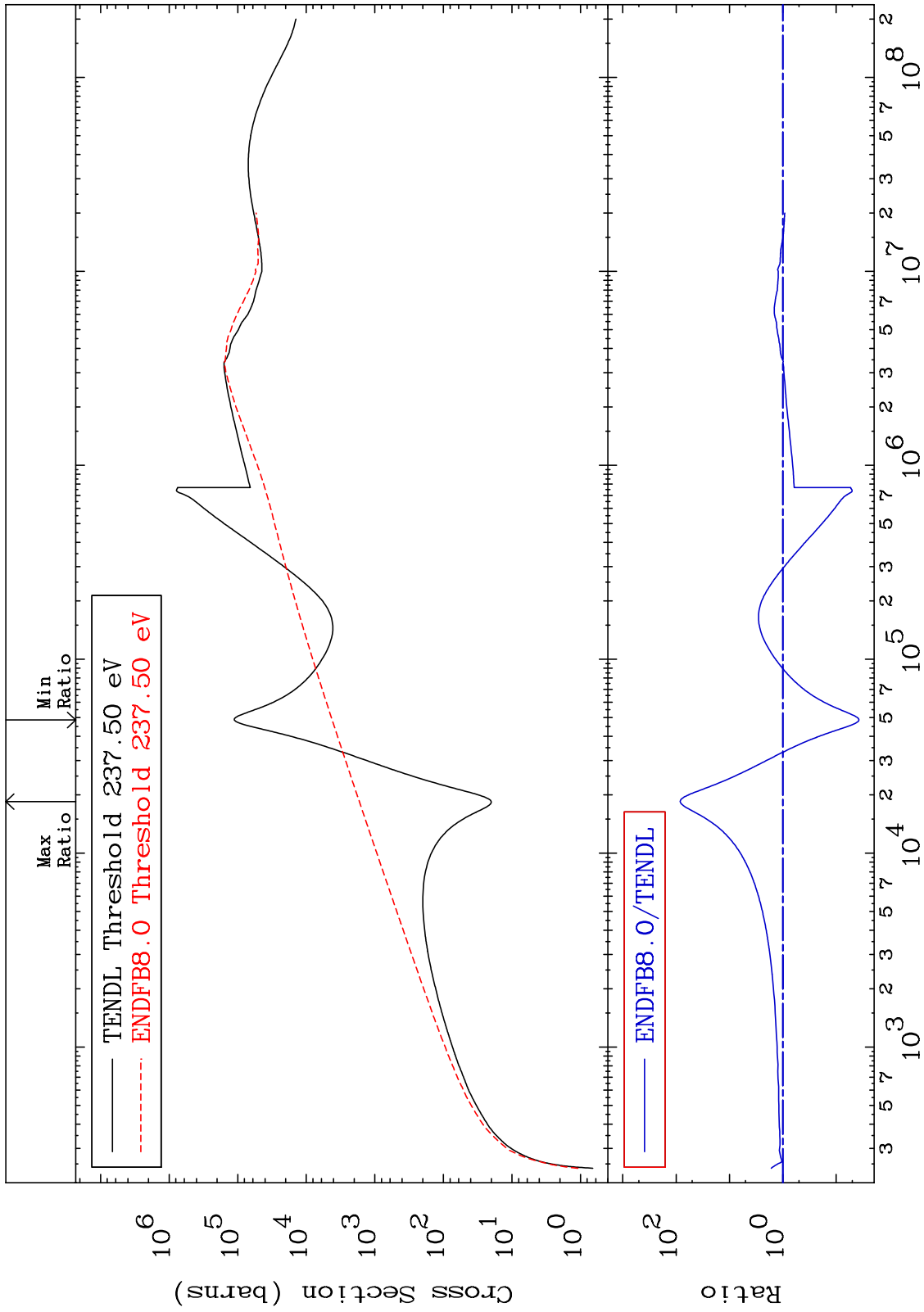
16-S -36
-96.25 To 8278. %



MAT 1637

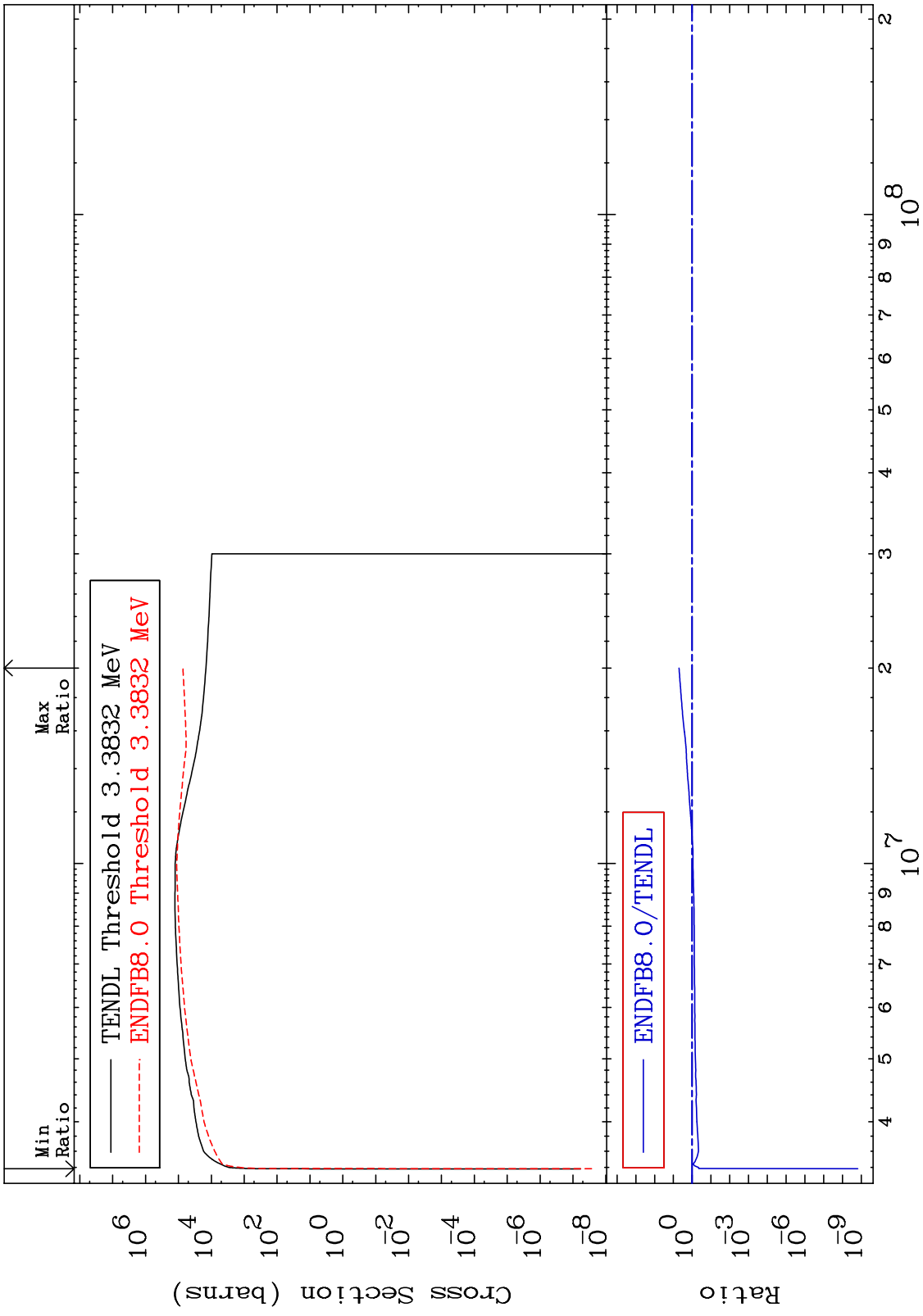
Dpa elastic (mt2)
Cross Section

16-S -36
-96.25 To 8278. %



27

16-S -36



MAT 1637

Dpa disappearance (mt102 -120)
Cross Section

16-S -36
-14.93 To 9999. %

