

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

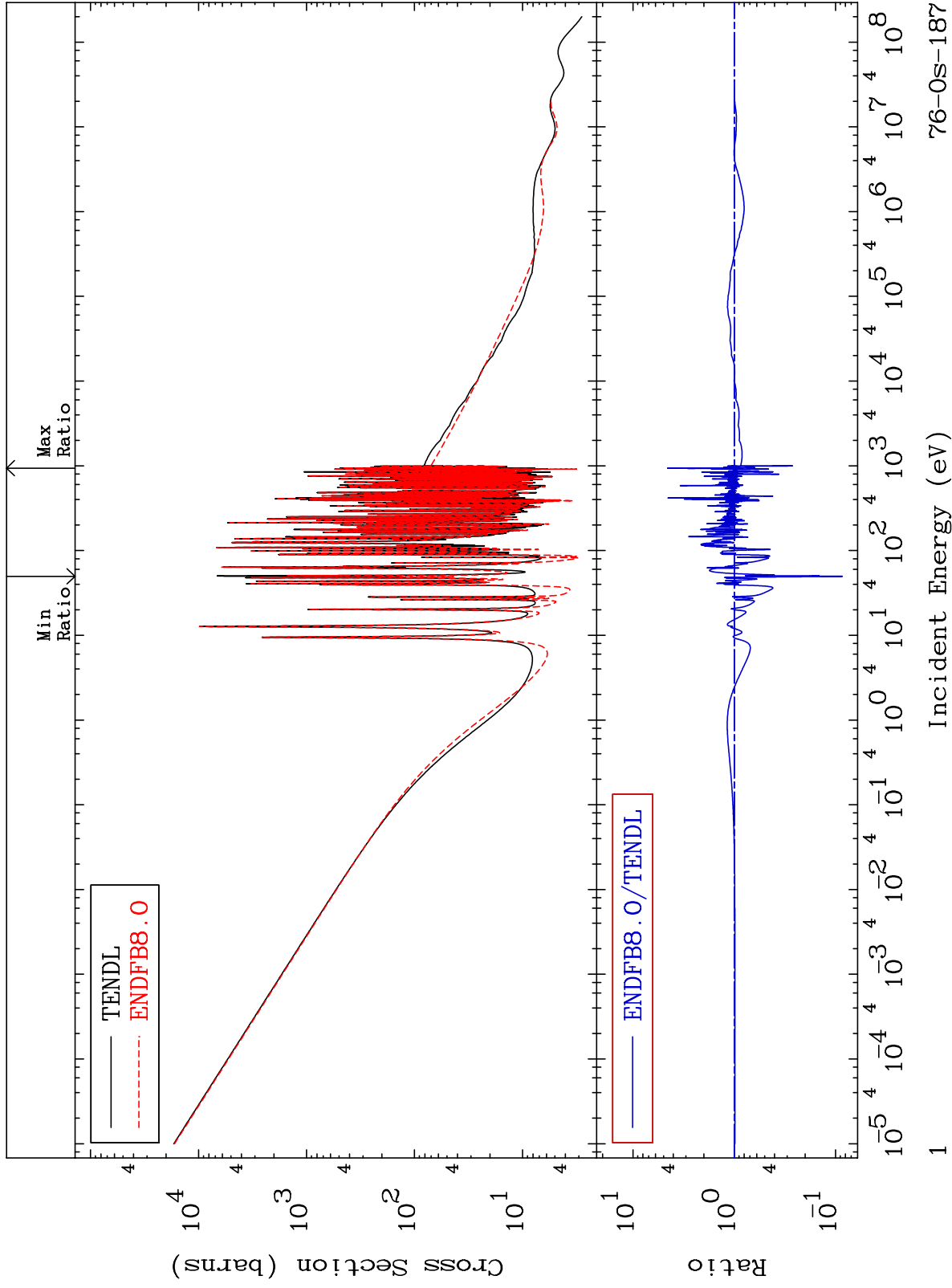
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7634

Total
Cross Section

76-0s-187
-91.50 To 356.4 %



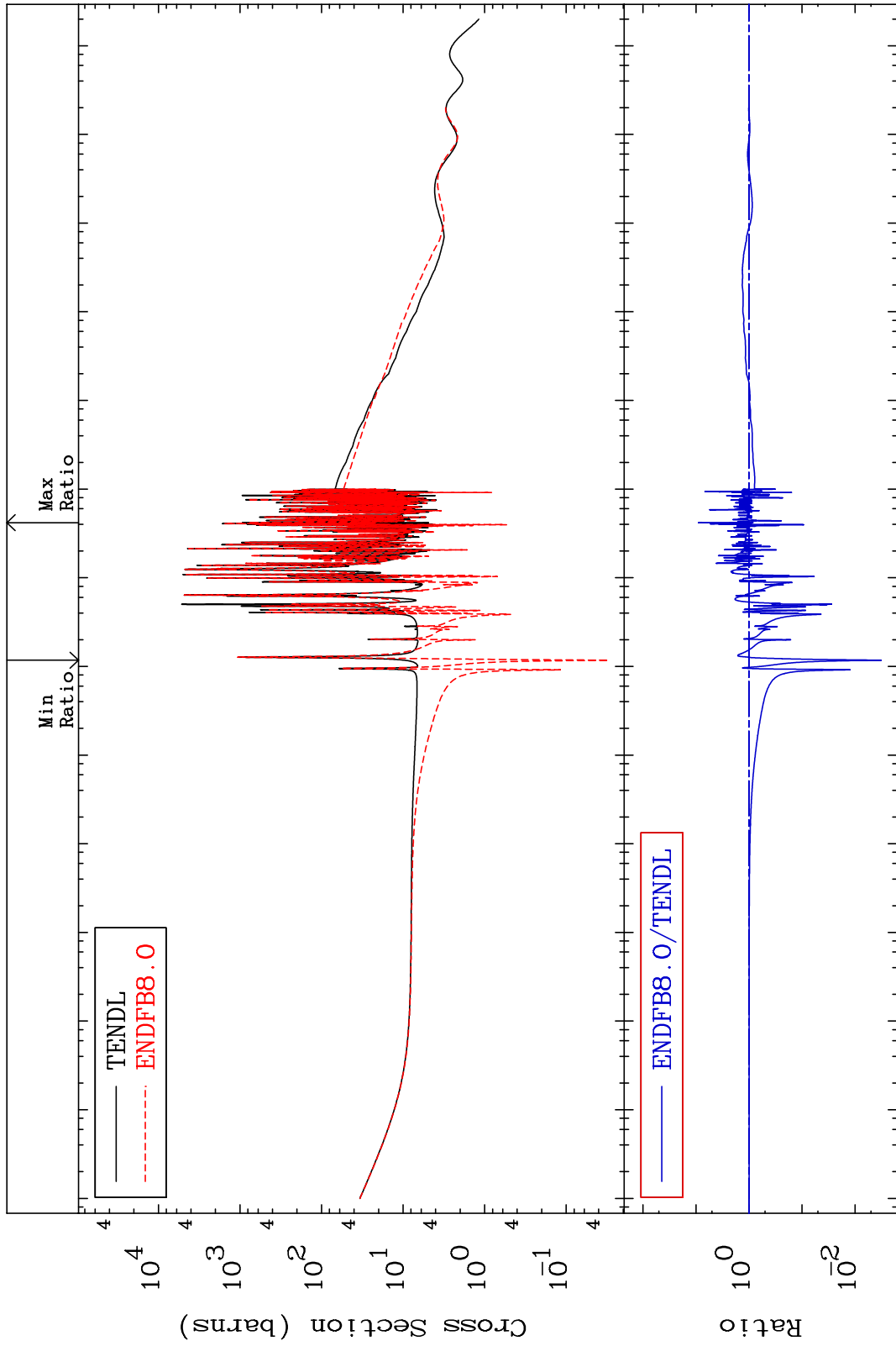
MAT 7634

Elastic

76-0s-187

Cross Section

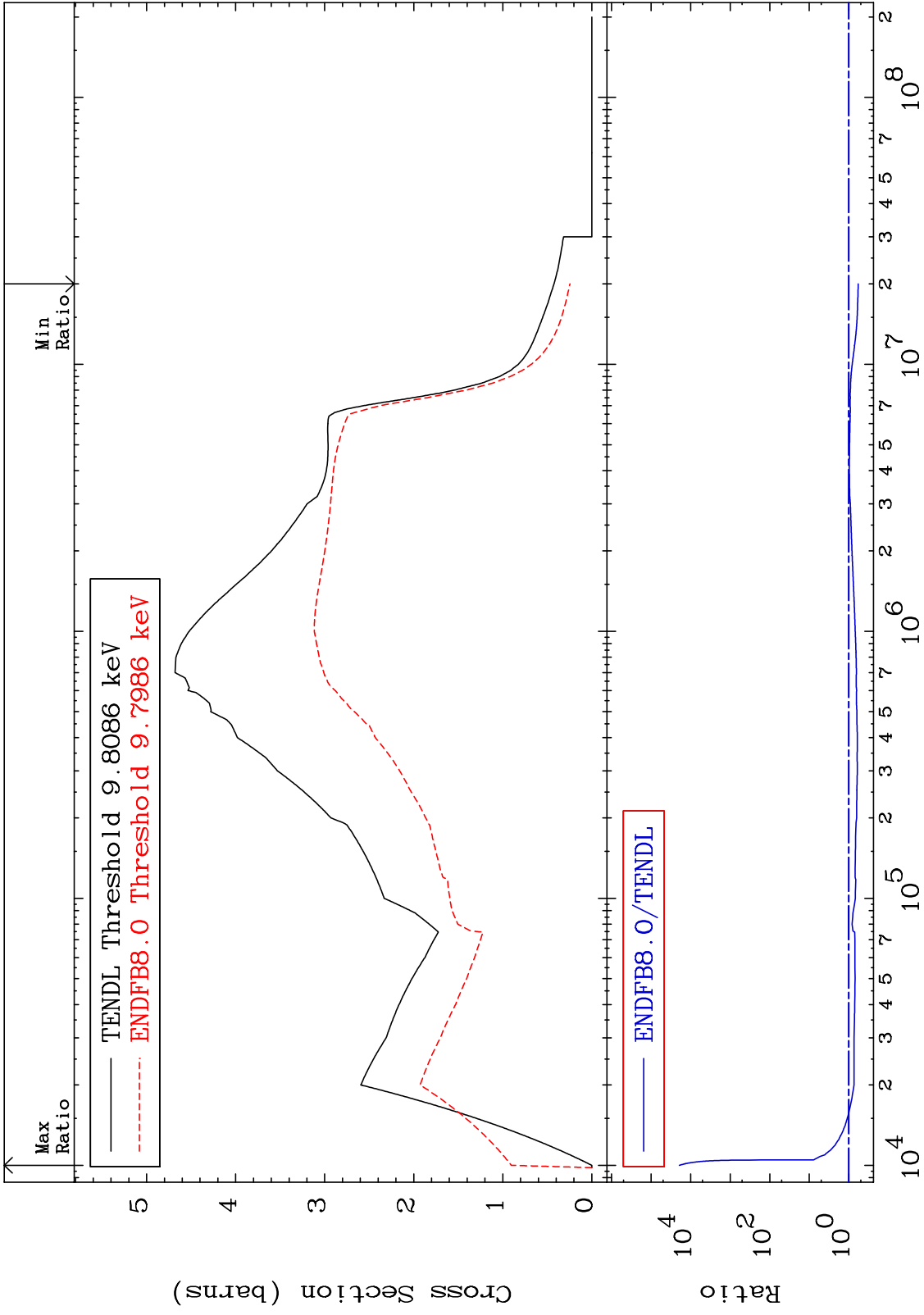
-99.68 To 801.5 %



MAT 7634

Inelastic
Cross Section

76-0s-187
-42.14 To 9999. %



76-0s-187

3

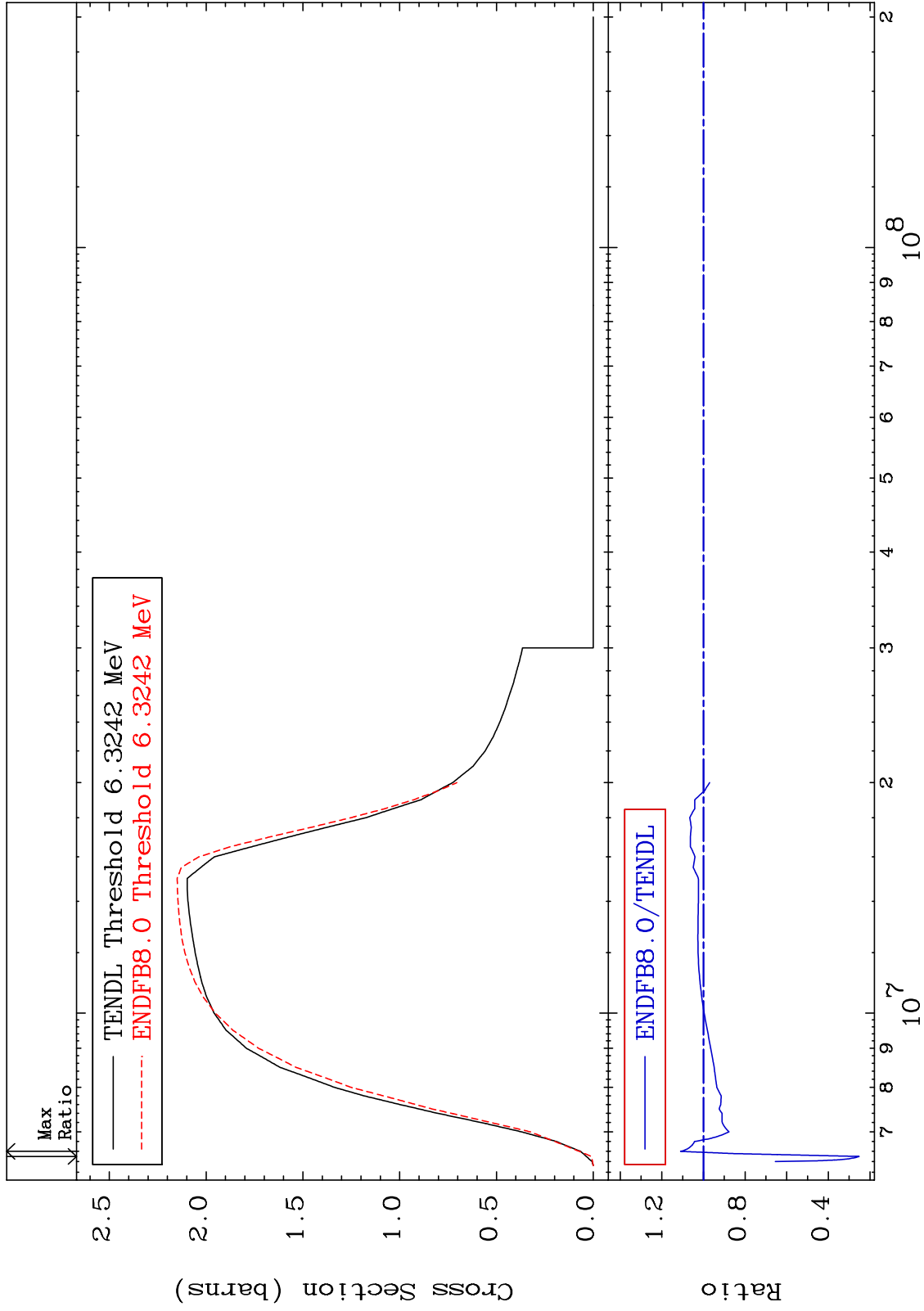
MAT 7634

(n,2n)

76-0s-187

Cross Section

-74.81 To 11.00 %



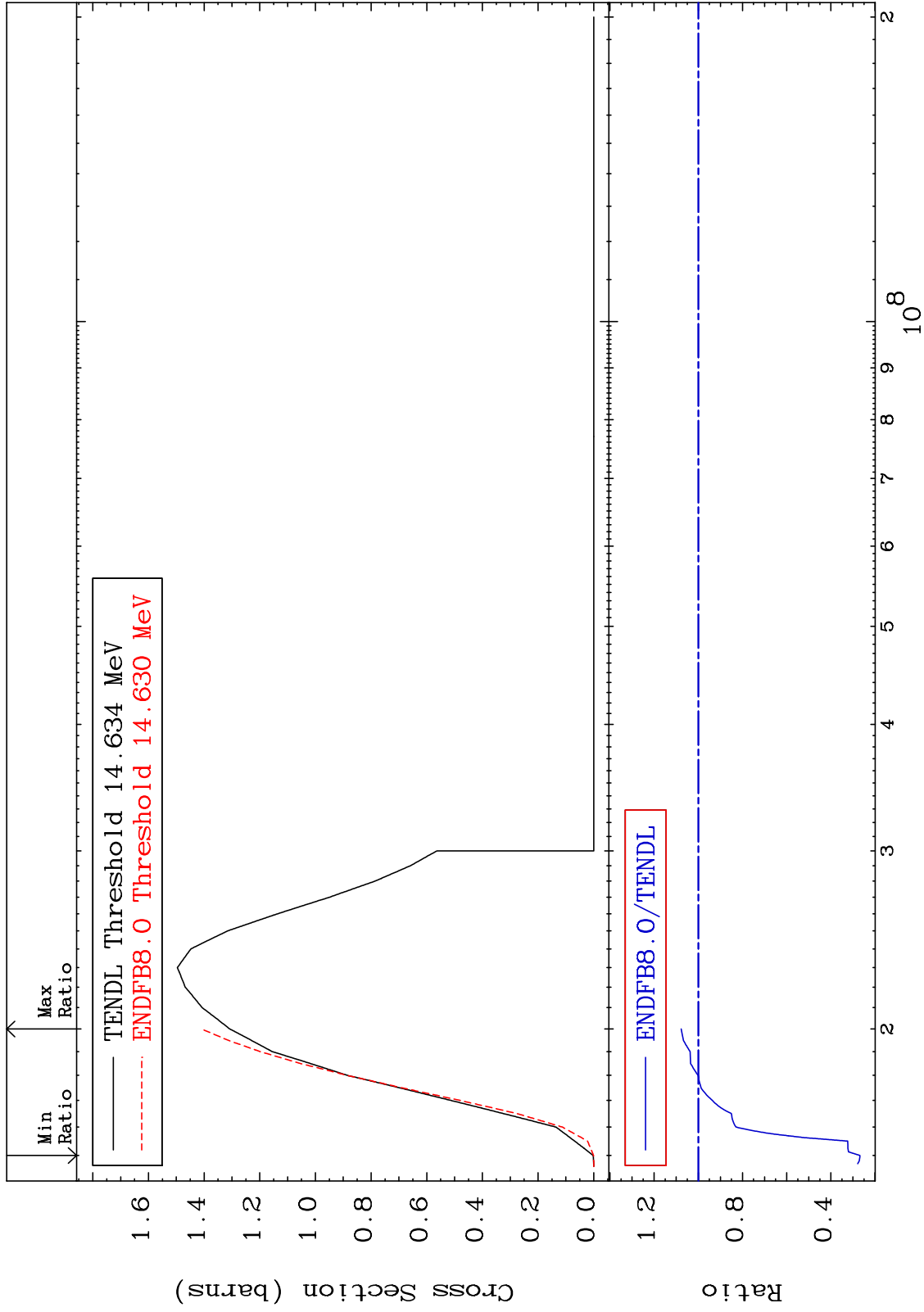
MAT 7634

(n, 3n)

76-0s-187

Cross Section

-73.15 To 7.734 %



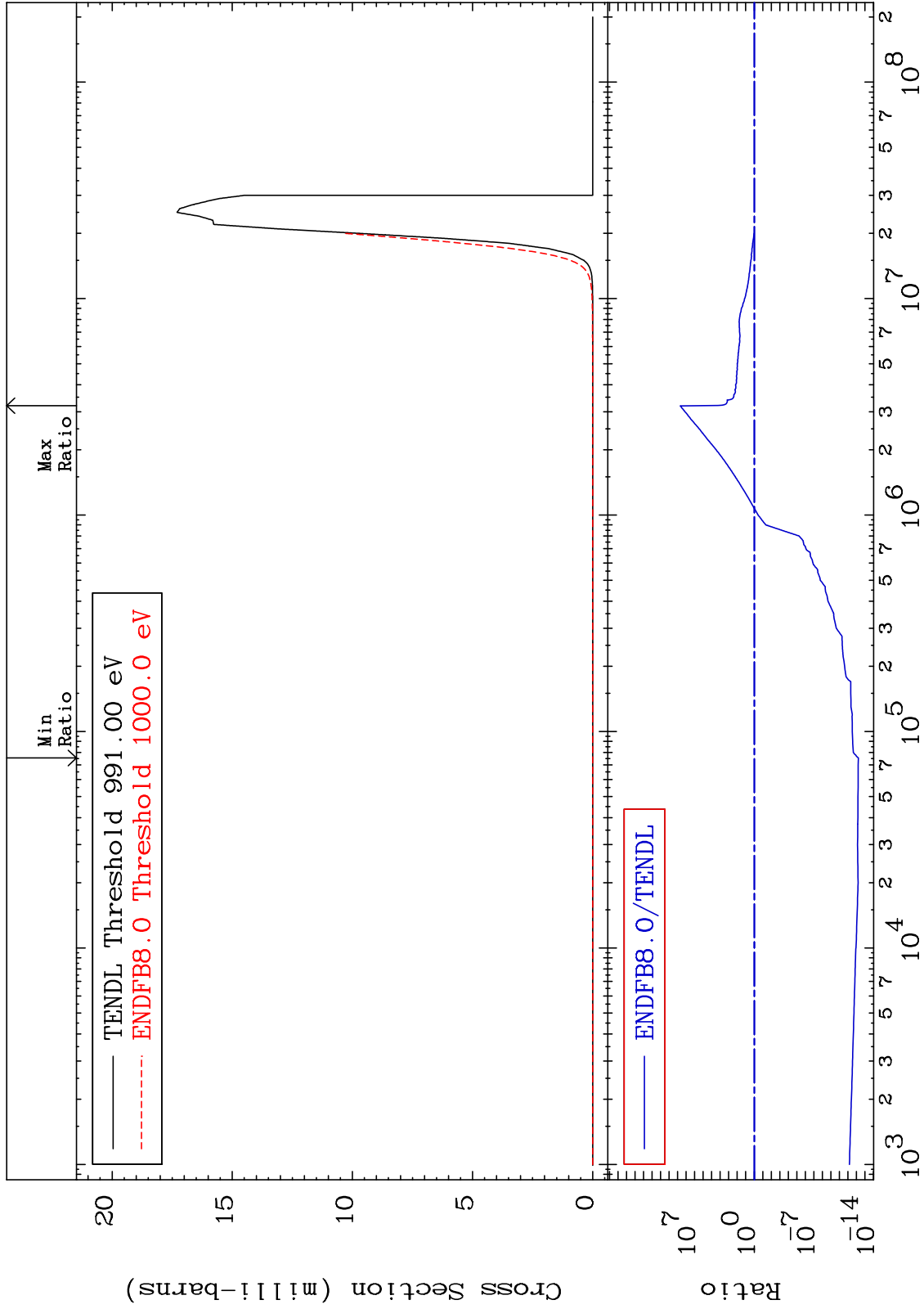
MAT 7634

(n,n') α

76-0s-187

Cross Section

-100.0 To 9999. %



6

Incident Energy (eV)

76-0s-187

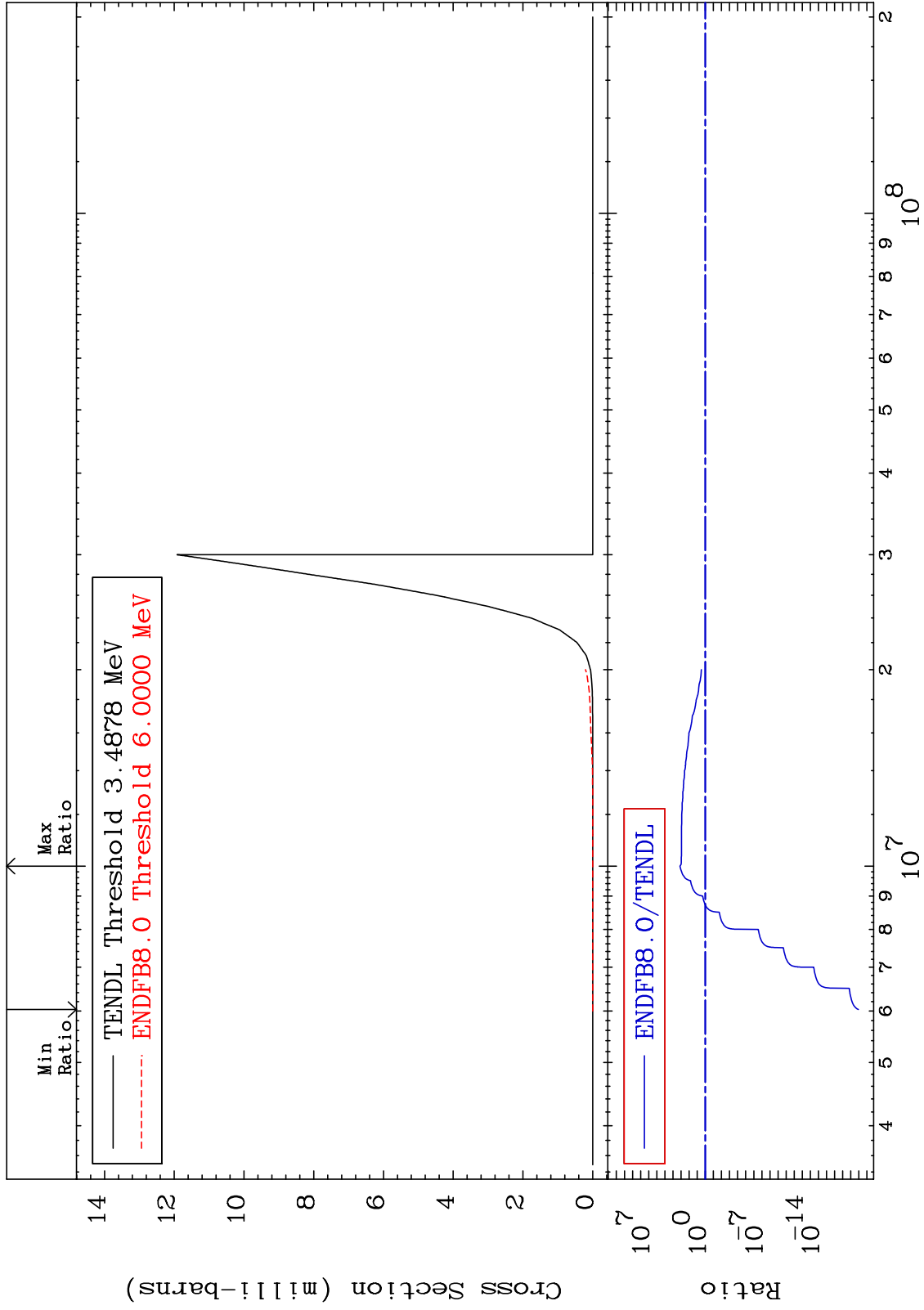
MAT 7634

(n,2n) α

76-0s-187

Cross Section

-100.0 To 9999. %



7

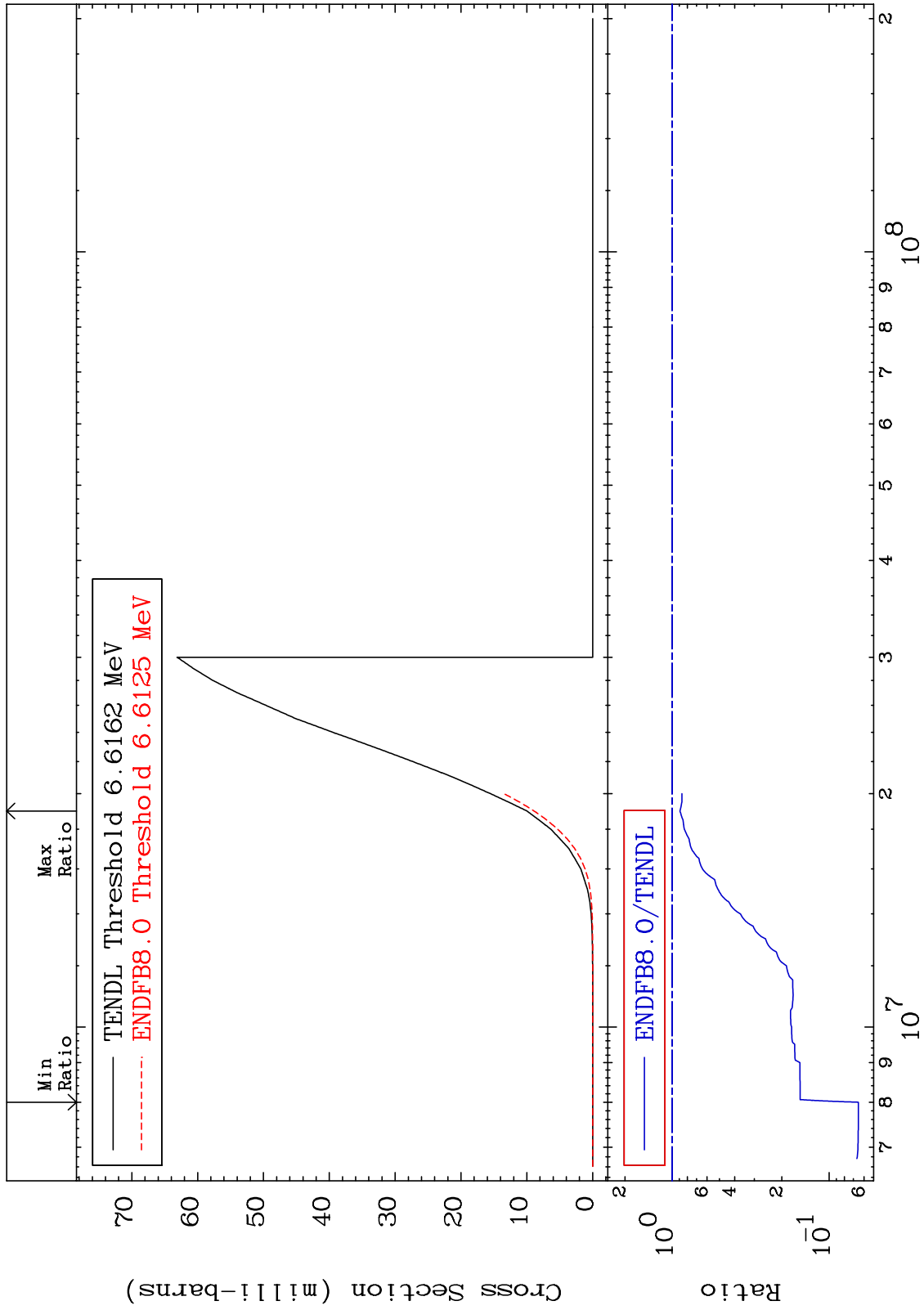
Incident Energy (eV)

76-0s-187

MAT 7634

(n,n') p
Cross Section

76-0s-187
-93.49 To -10.88%



8

Incident Energy (eV)

76-0s-187

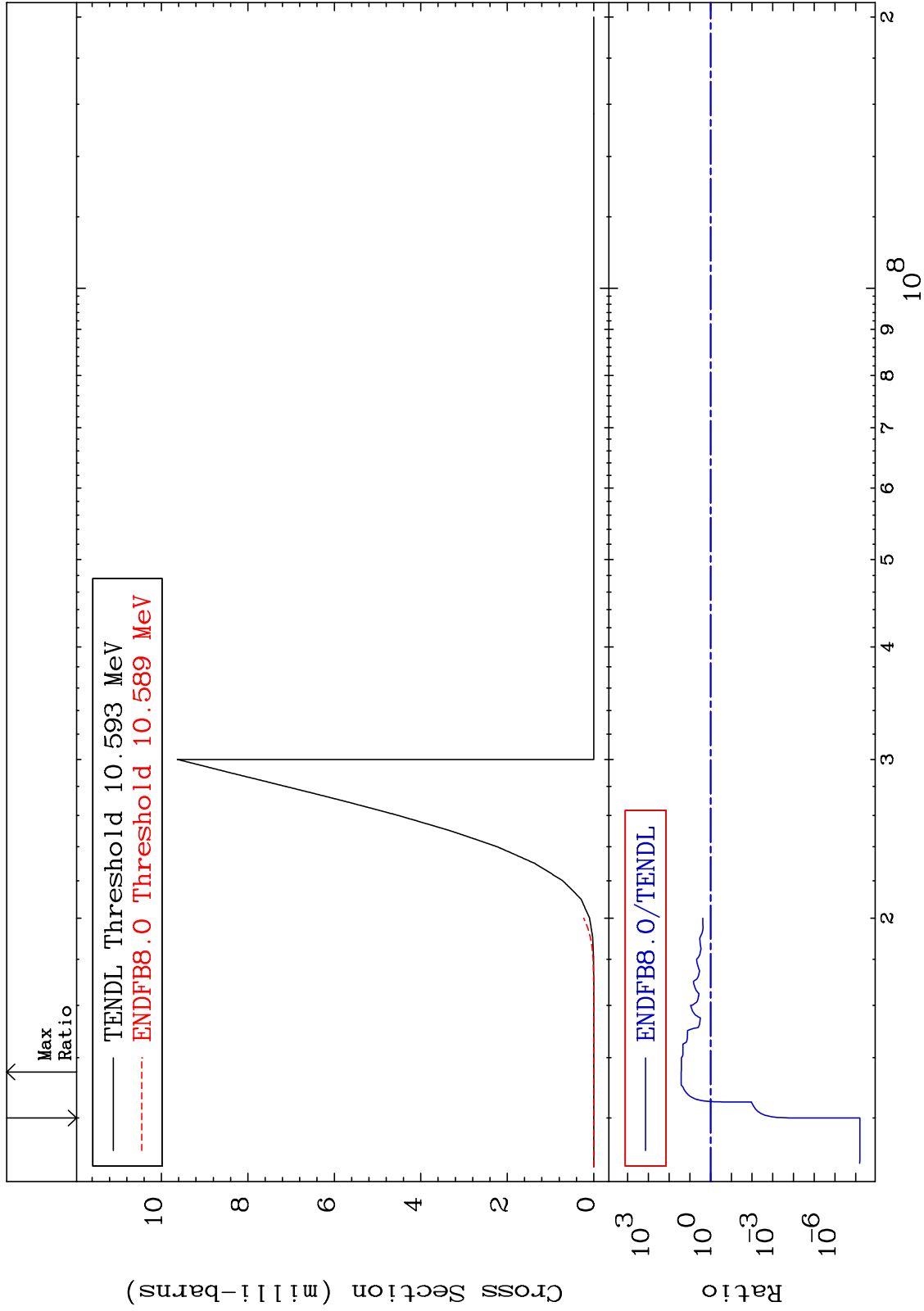
MAT 7634

(n,n') d

76-0s-187

Cross Section

-100.0 To 2502. %



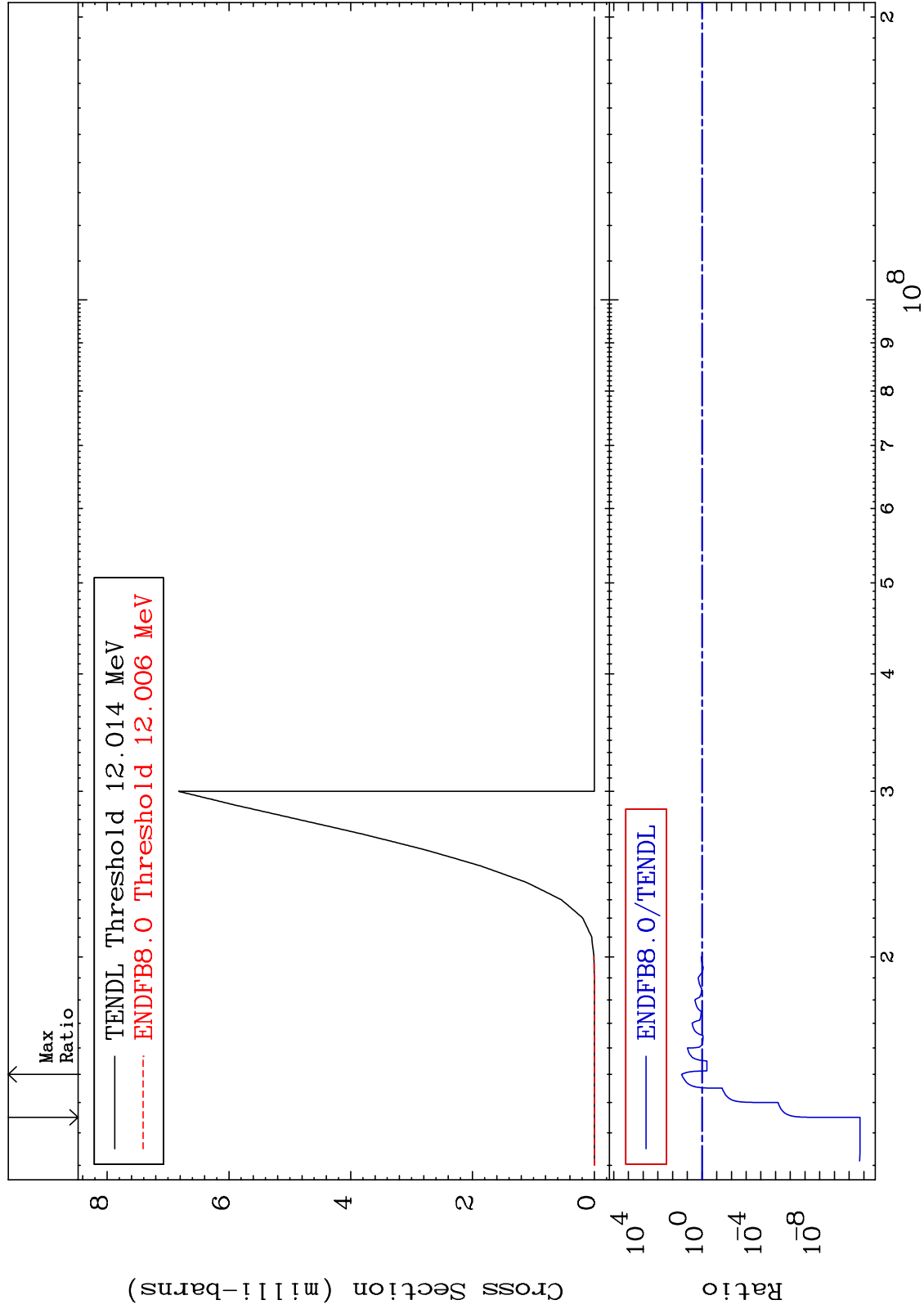
MAT 7634

(n,n') t

76-0s-187

Cross Section

-100.0 To 2326. %



10

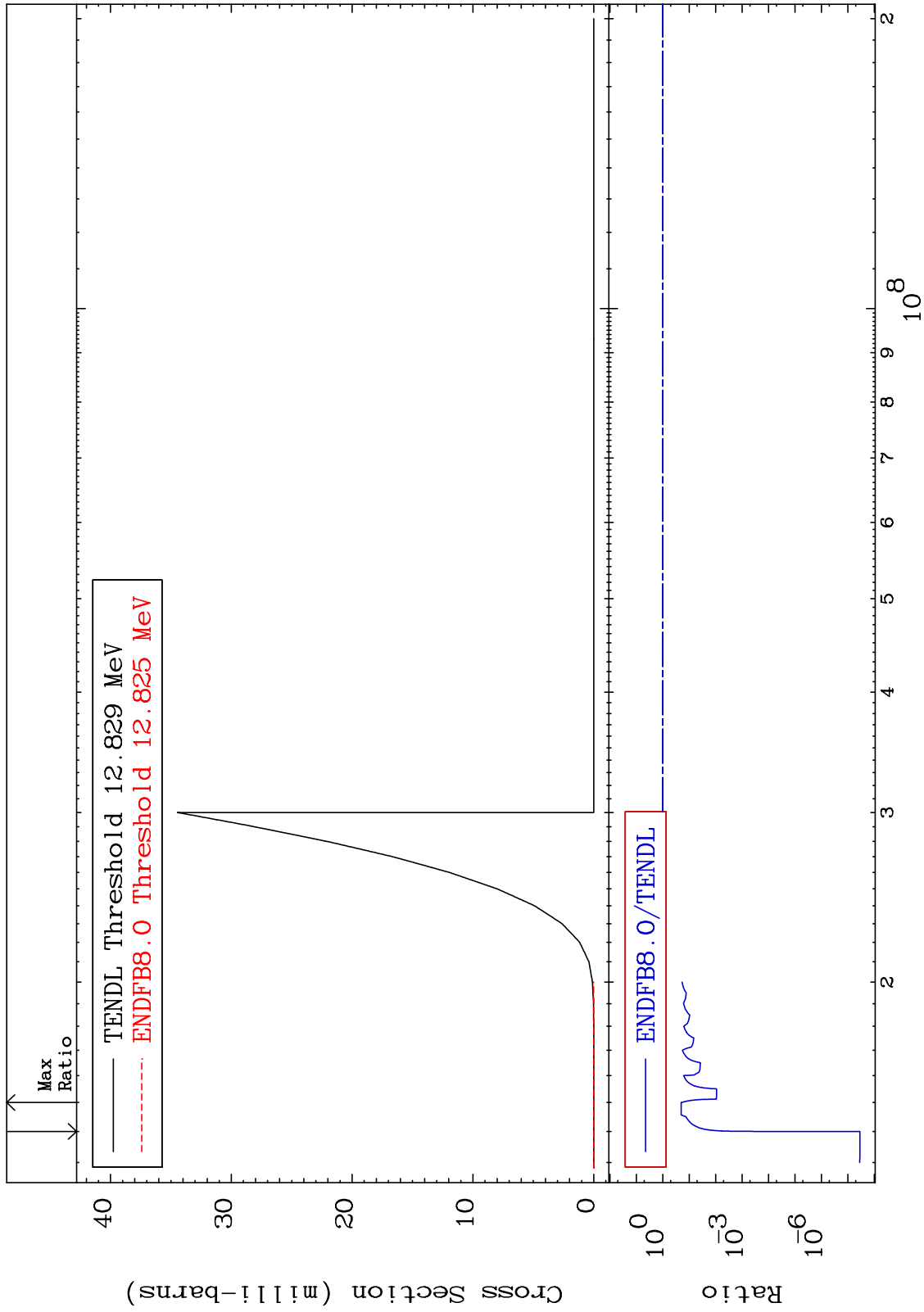
Incident Energy (eV)

76-0s-187

MAT 7634

(n,2n) p
Cross Section

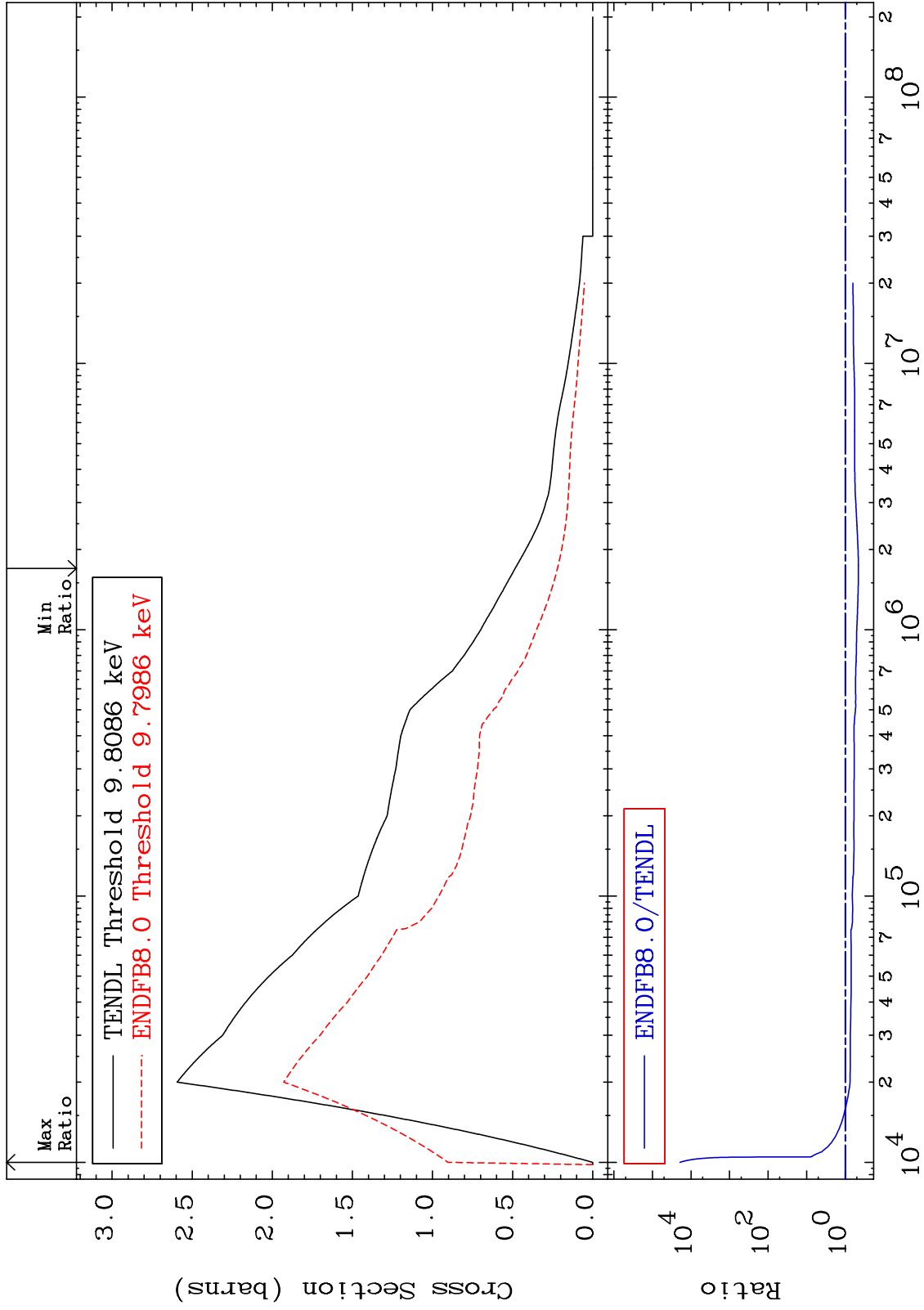
76-0s-187
-100.0 To -80.03%



MAT 7634

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

76-0s-187
-54.60 To 9999. %



12

Incident Energy (eV)

76-0s-187

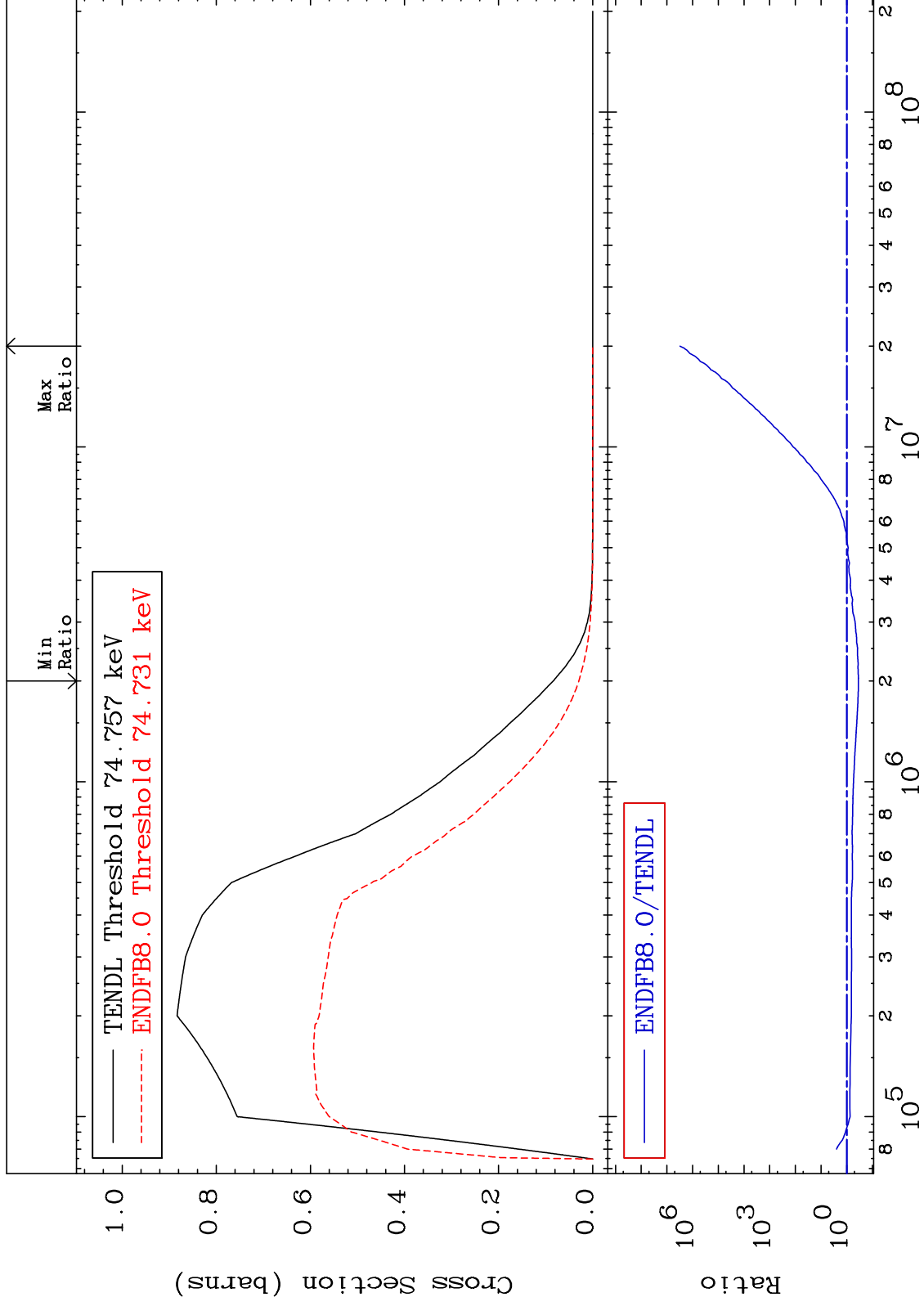
MAT 7634

MT= 52 (n,n') Level

76-0s-187

-64.96 To 9999. %

Cross Section



76-0s-187

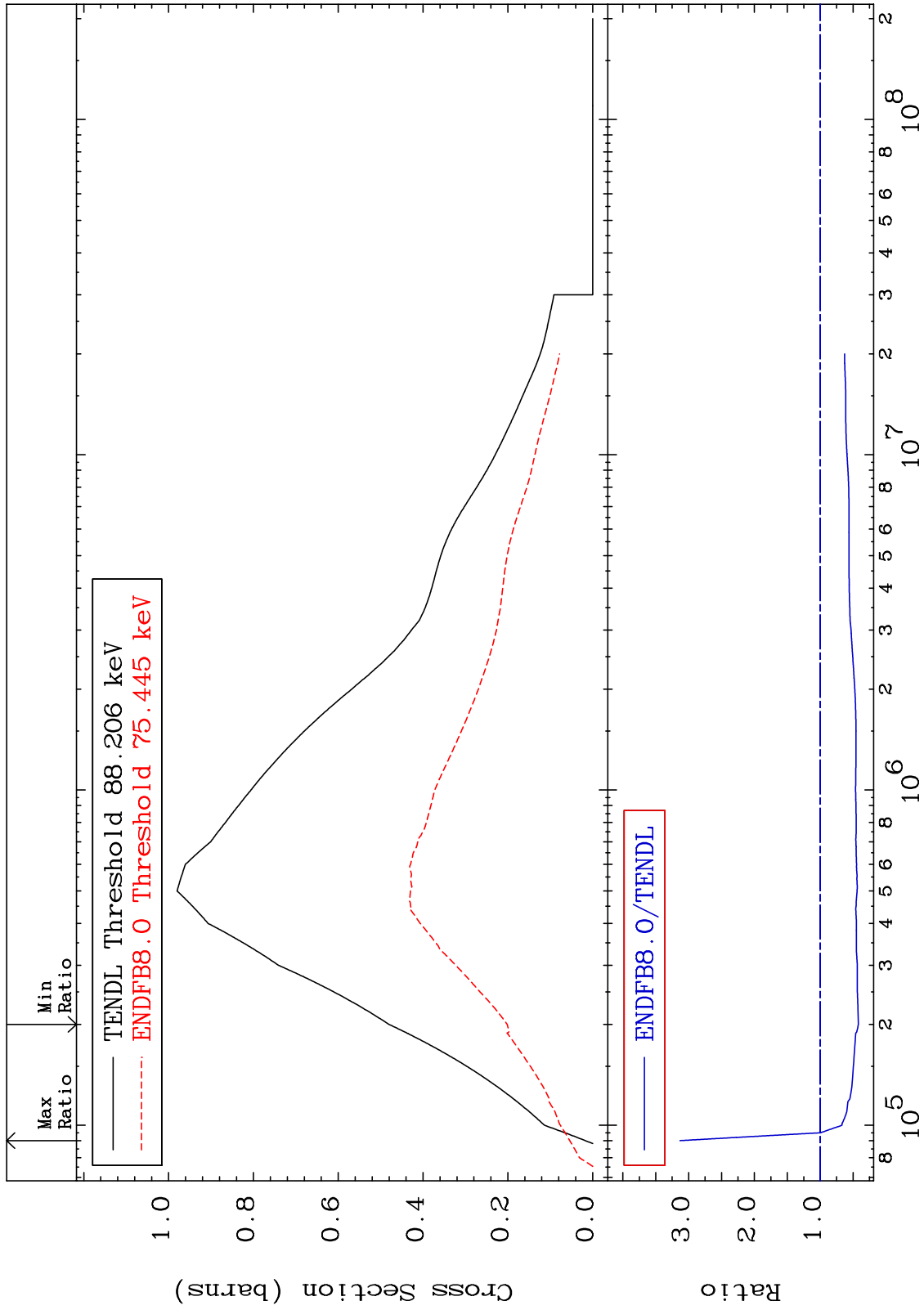
Incident Energy (eV)

13

MAT 7634

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

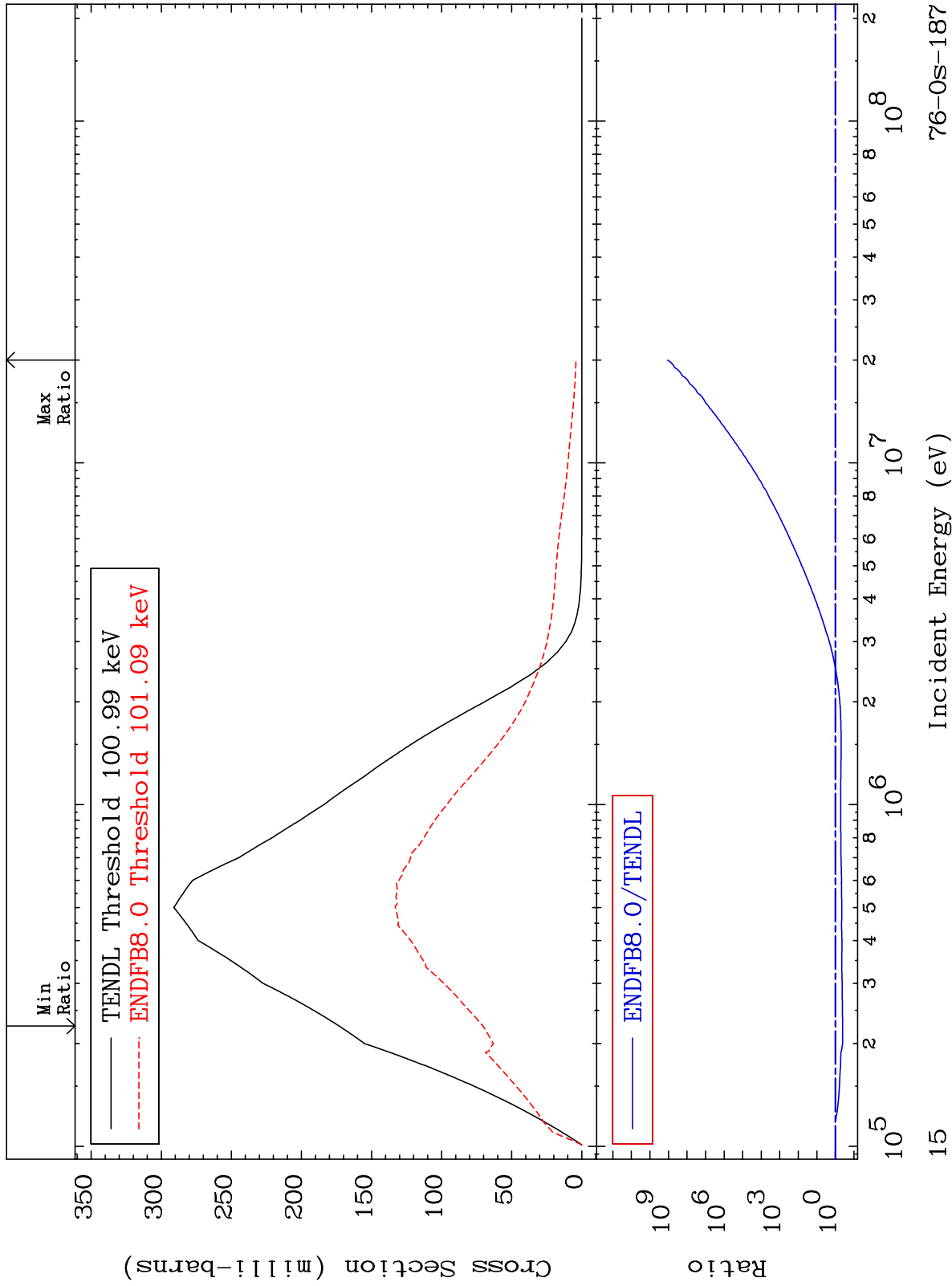
76-0s-187
-58.08 To 213.1 %



MAT 7634

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

76-0s-187
-59.30 To 9999. %



76-0s-187

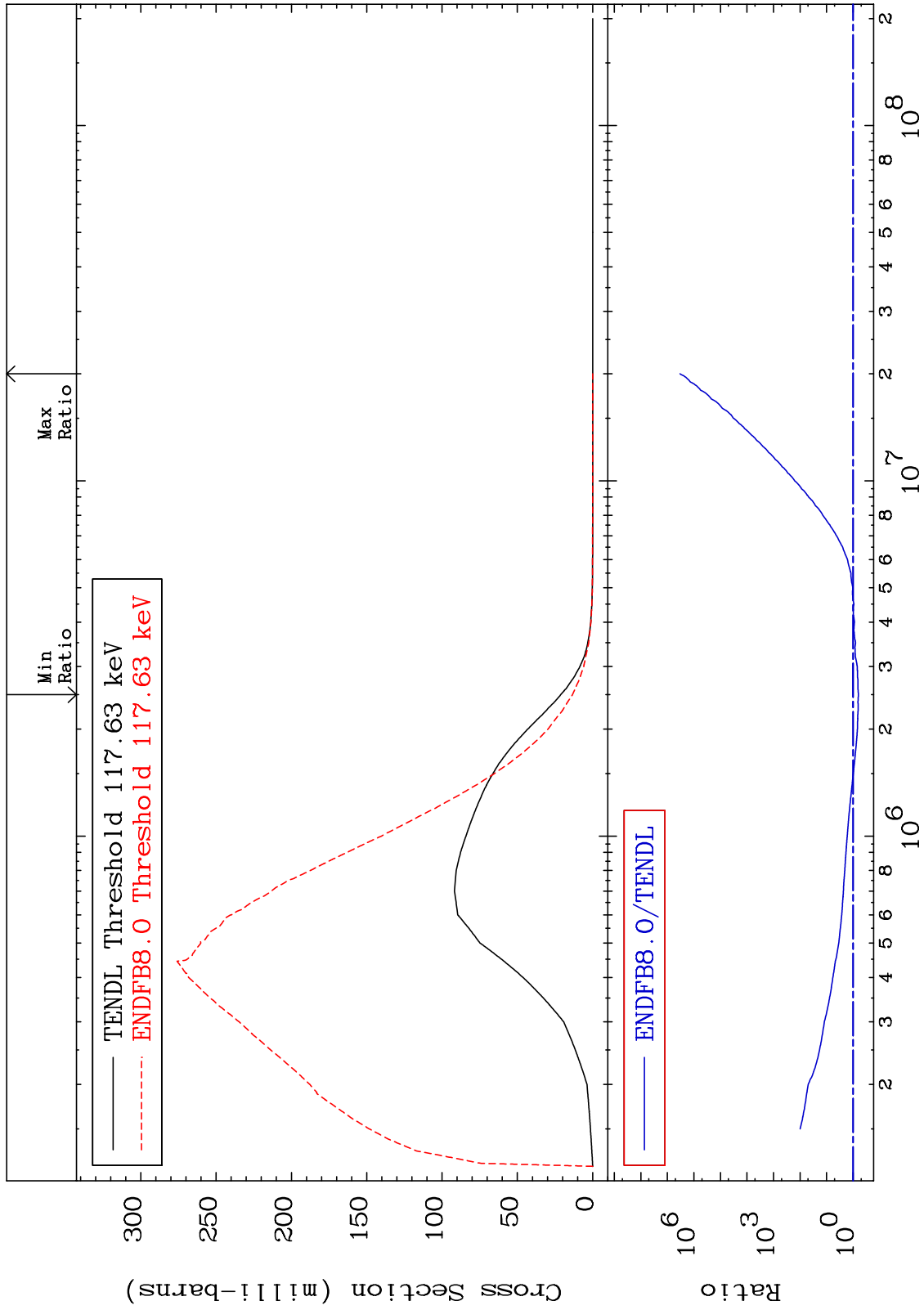
Incident Energy (eV)

15

MAT 7634

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

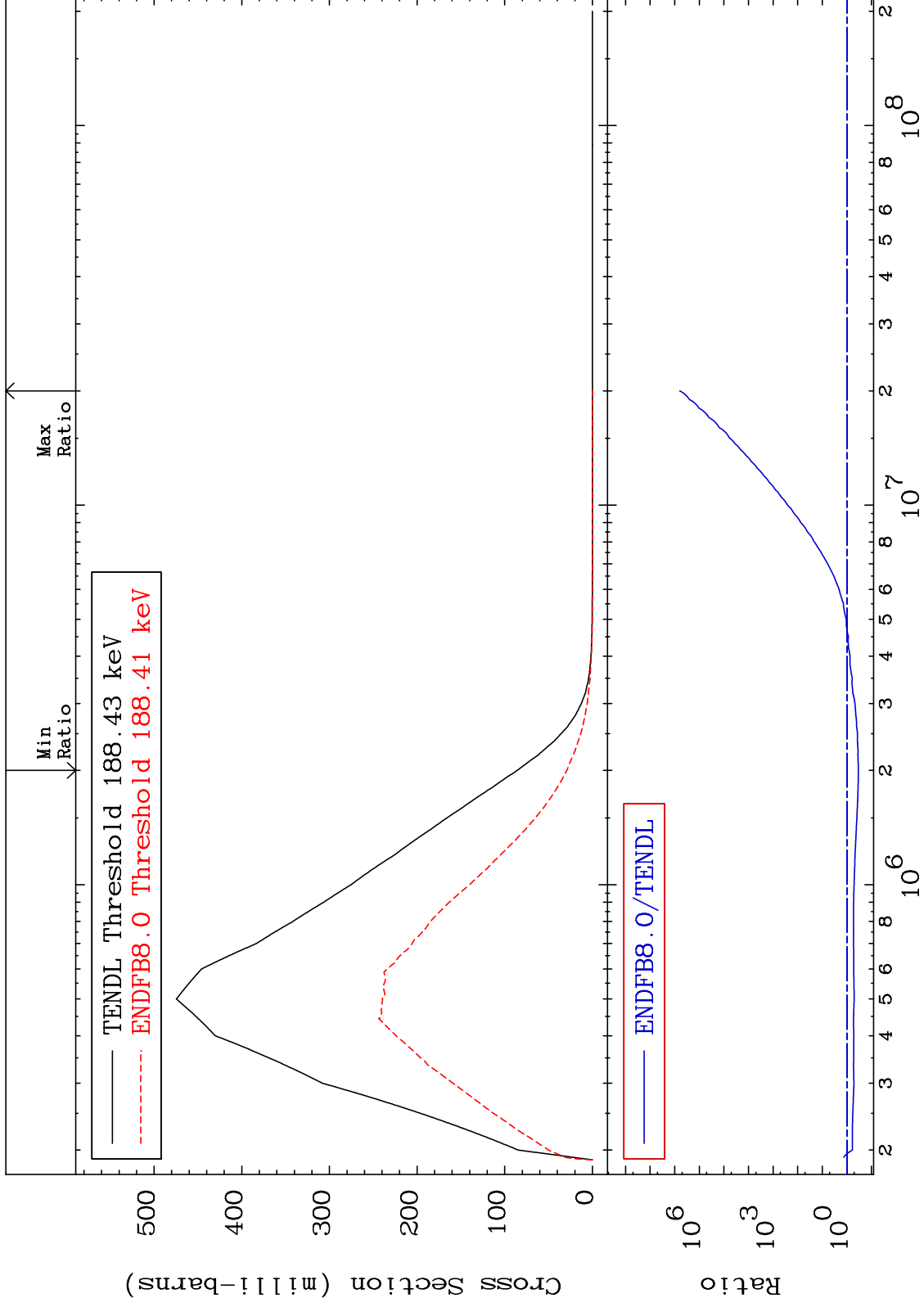
76-0s-187
-36.78 To 9999. %



MAT 7634

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

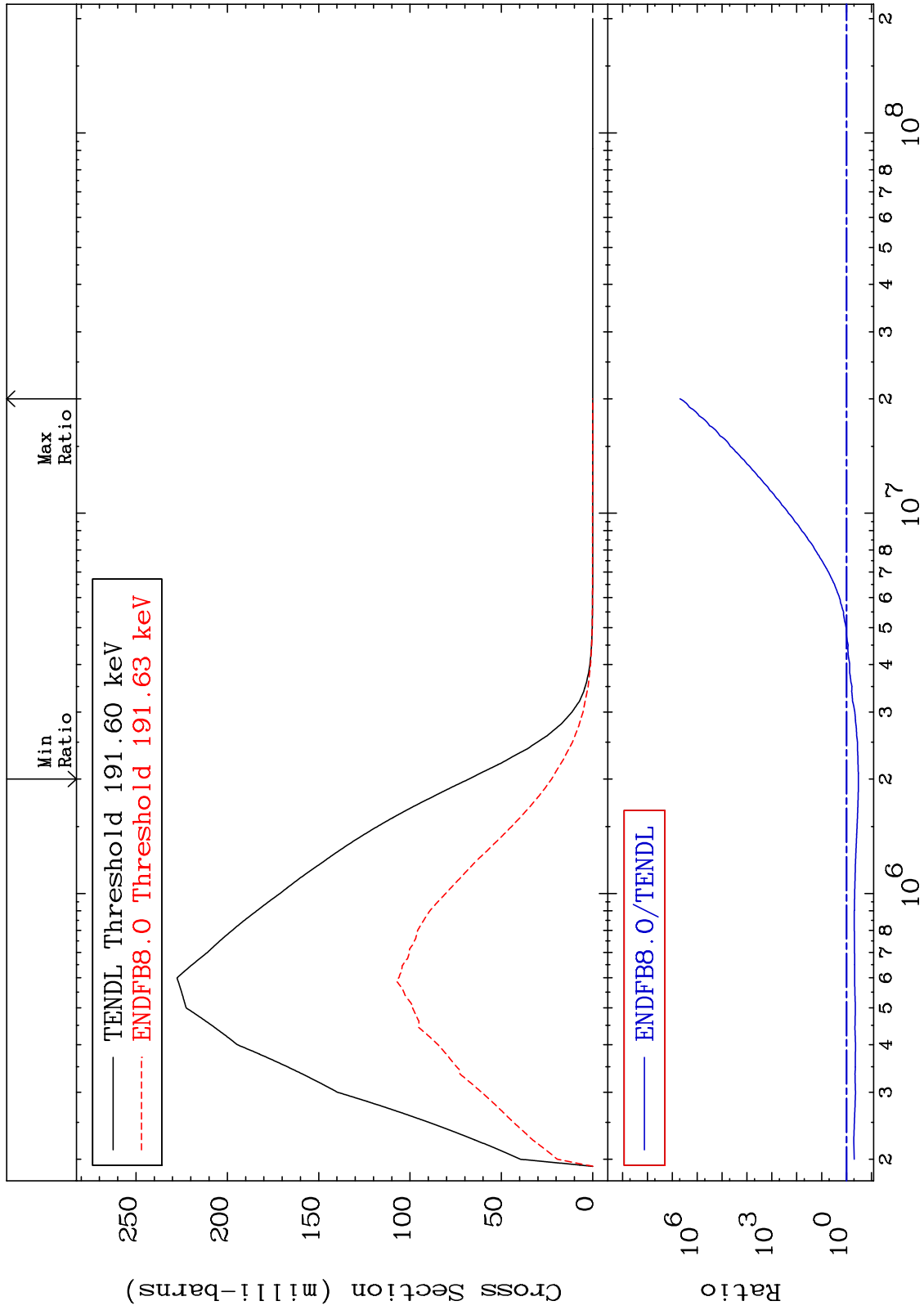
76-0s-187
-65.92 To 9999. %



MAT 7634

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

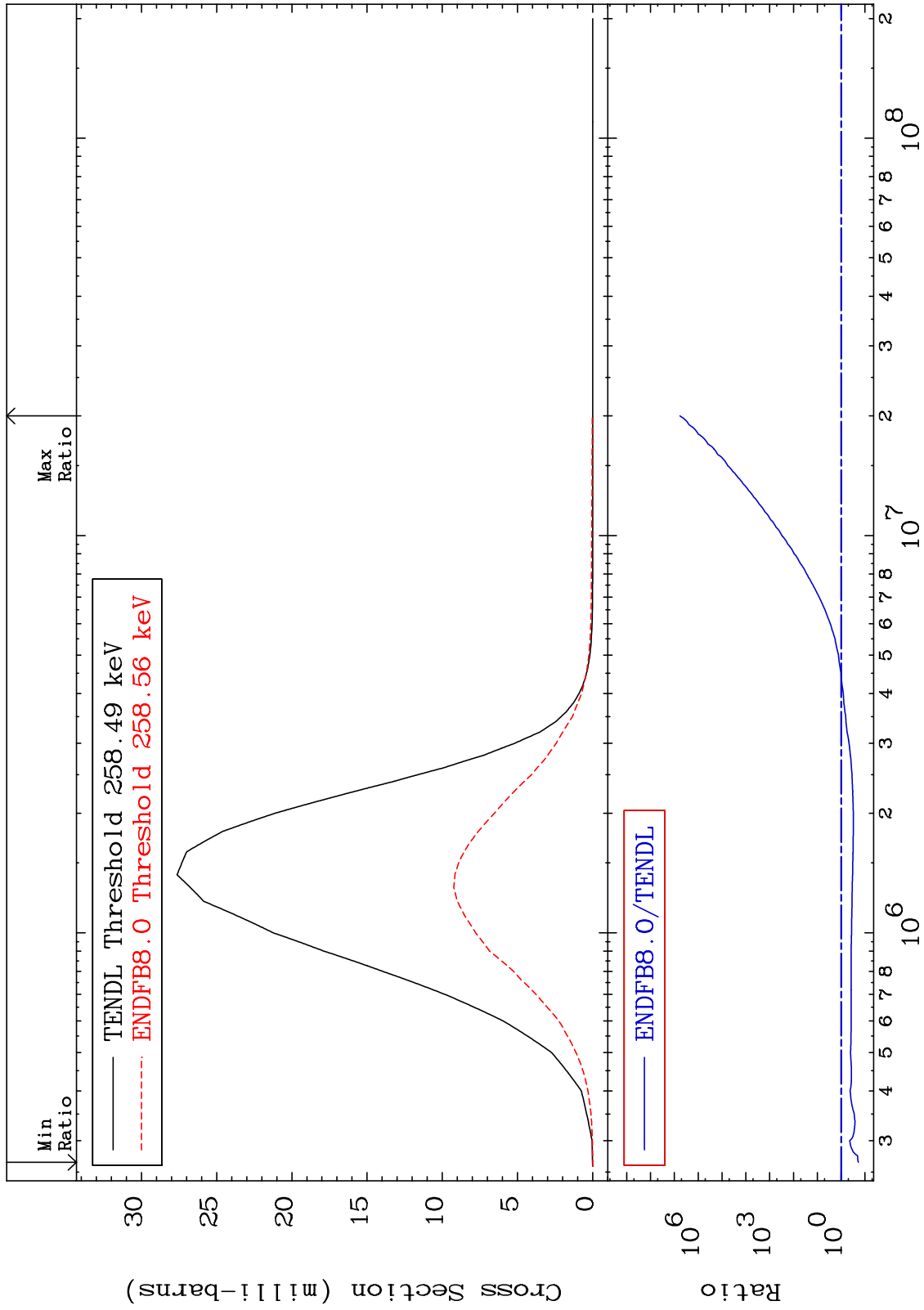
76-0s-187
-66.77 To 9999. %



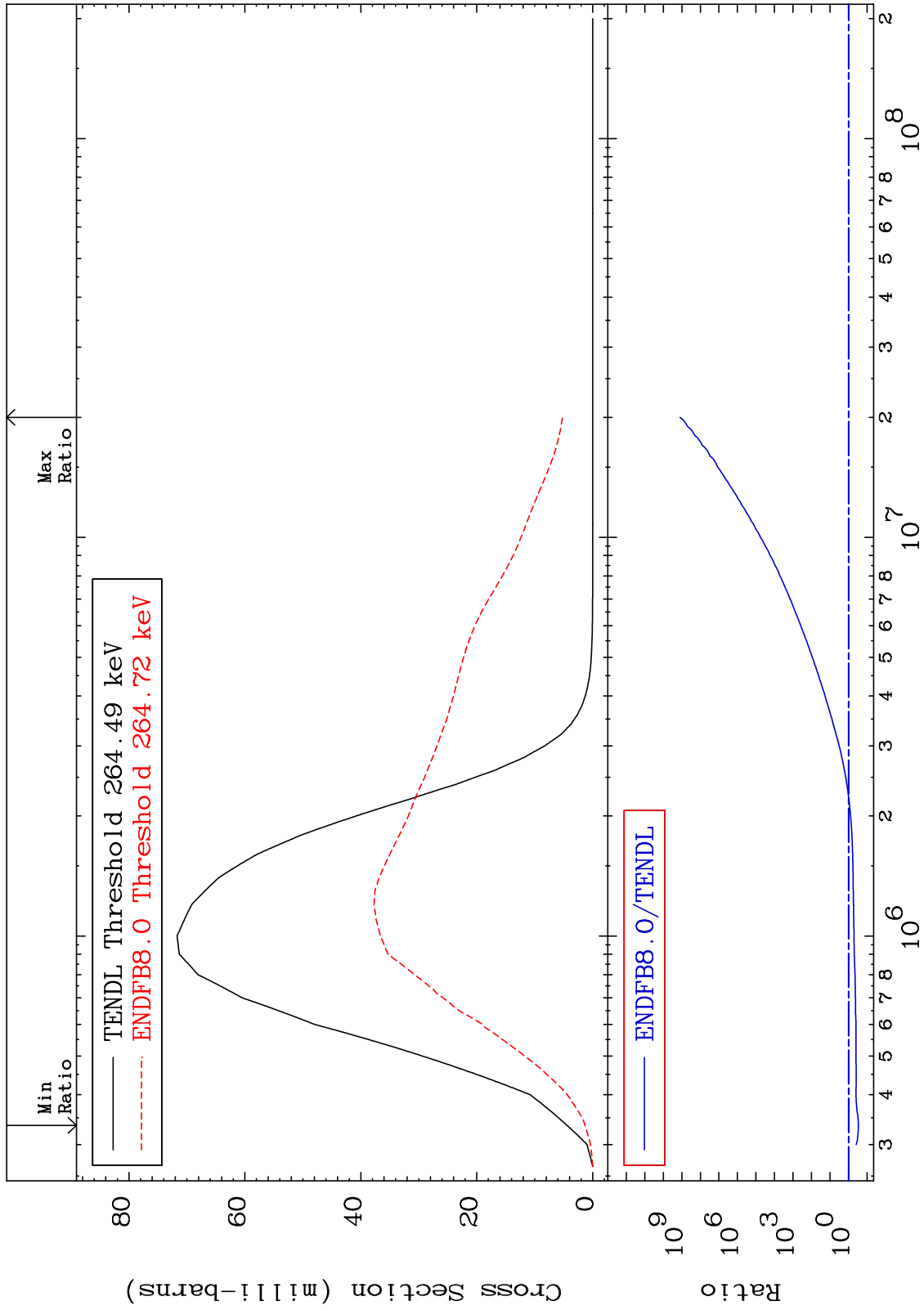
MAT 7634

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

76-0s-187
-81.10 To 9999. %



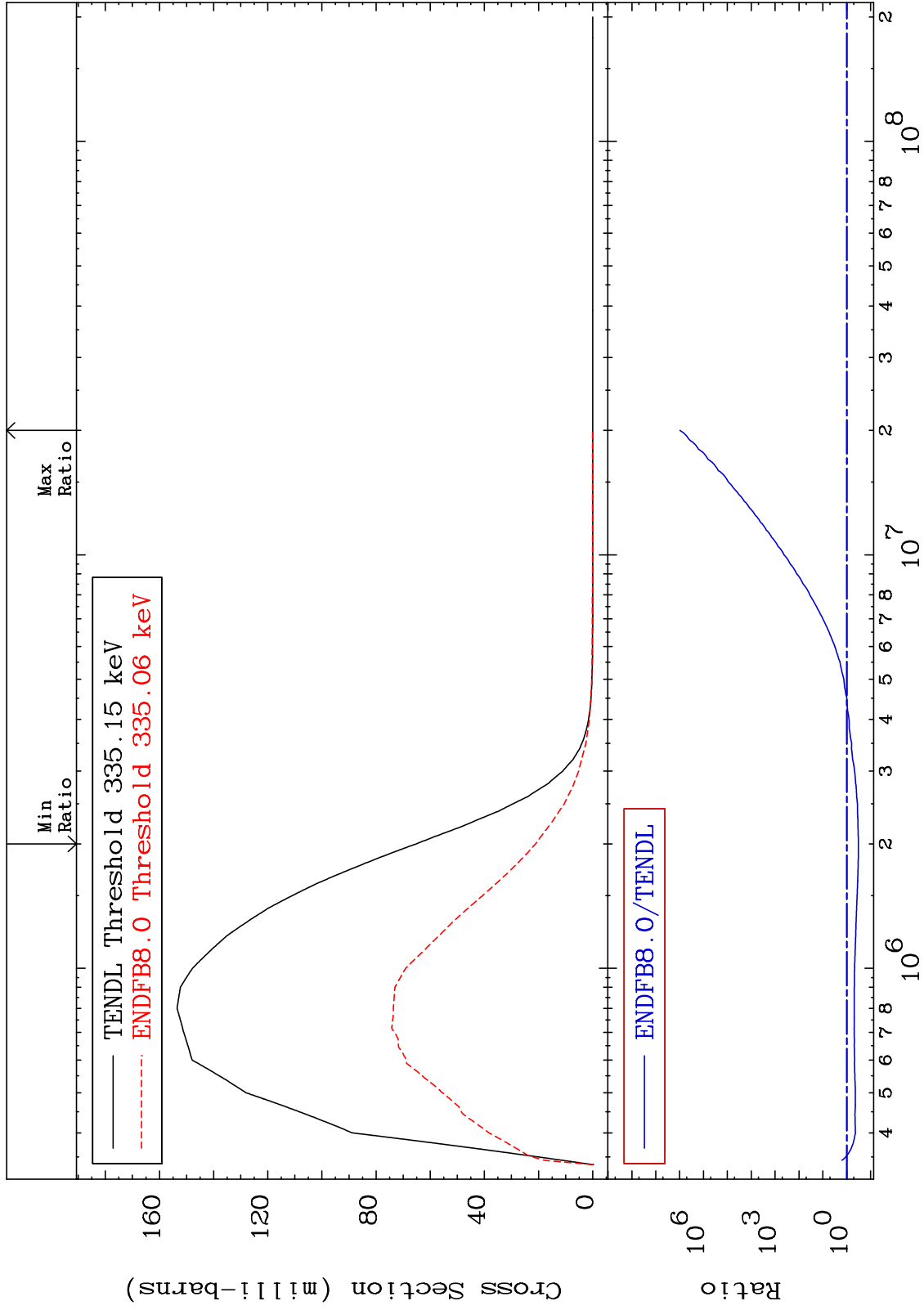
MAT 7634 MT= 59 (n,n') Level Cross Section 76-0s-187
 -70.44 To 9999. %



MAT 7634

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

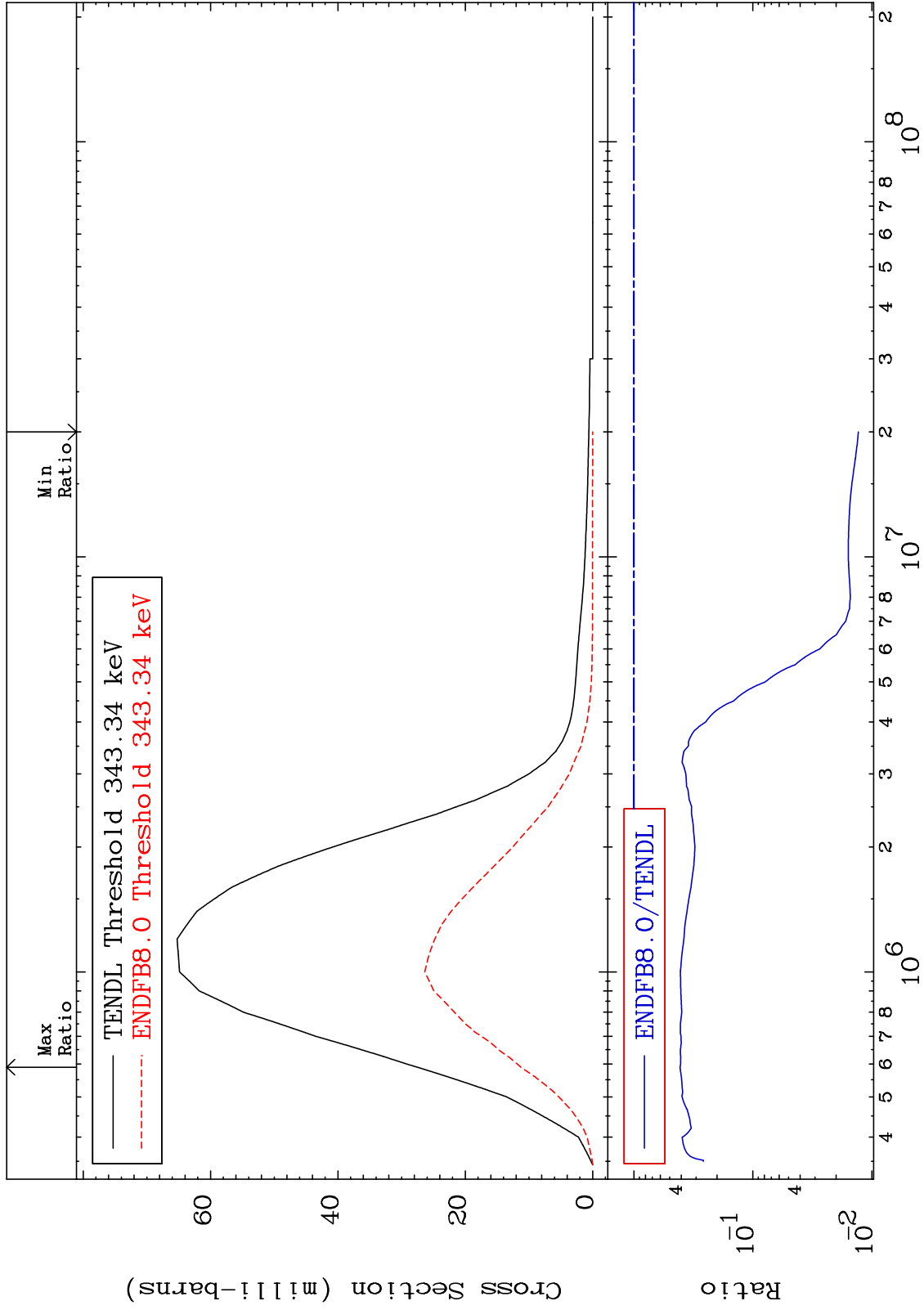
76-0s-187
-67.67 To 9999. %



MAT 7634

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

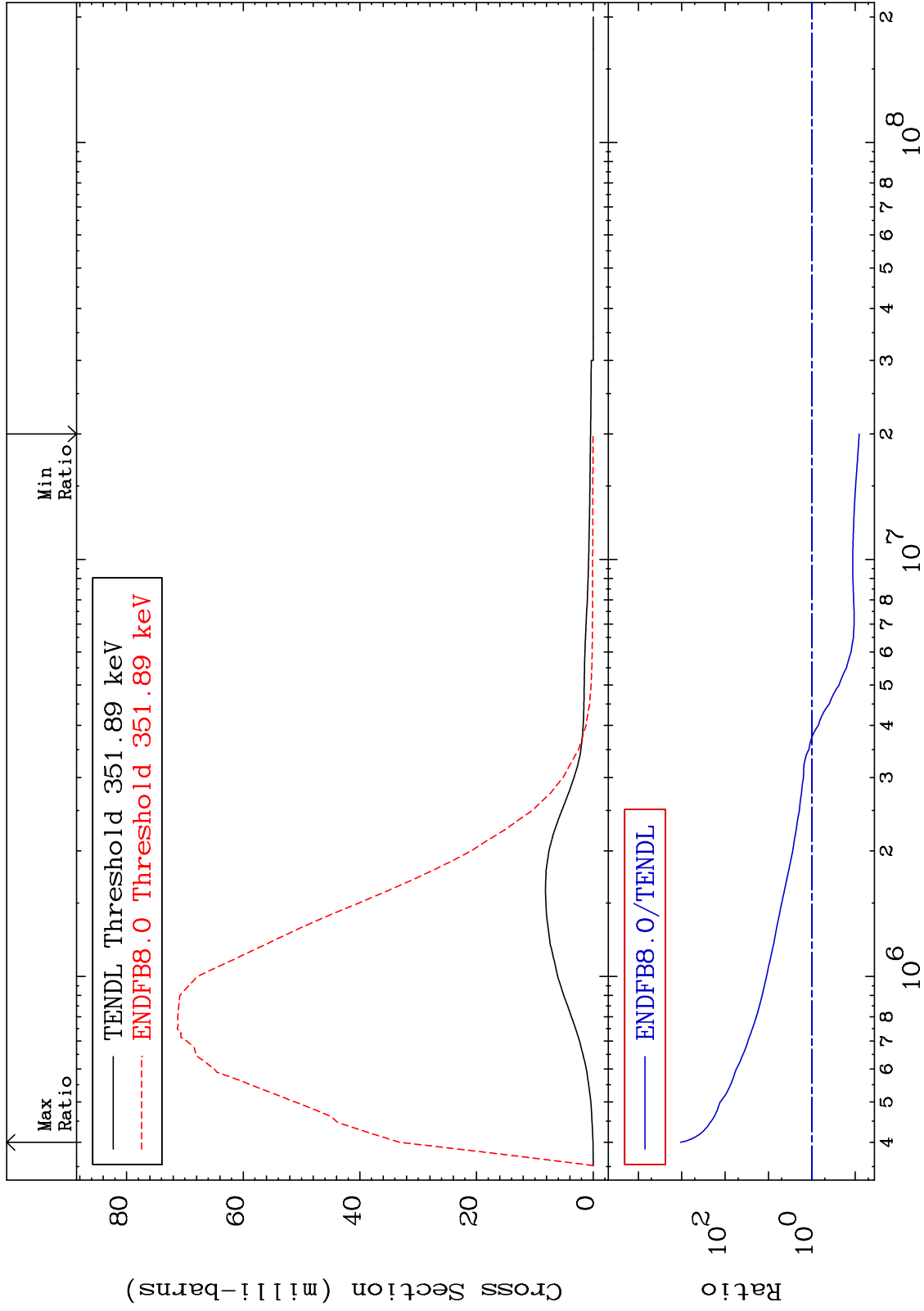
76-0s-187
-98.70 To -59.05%



MAT 7634

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

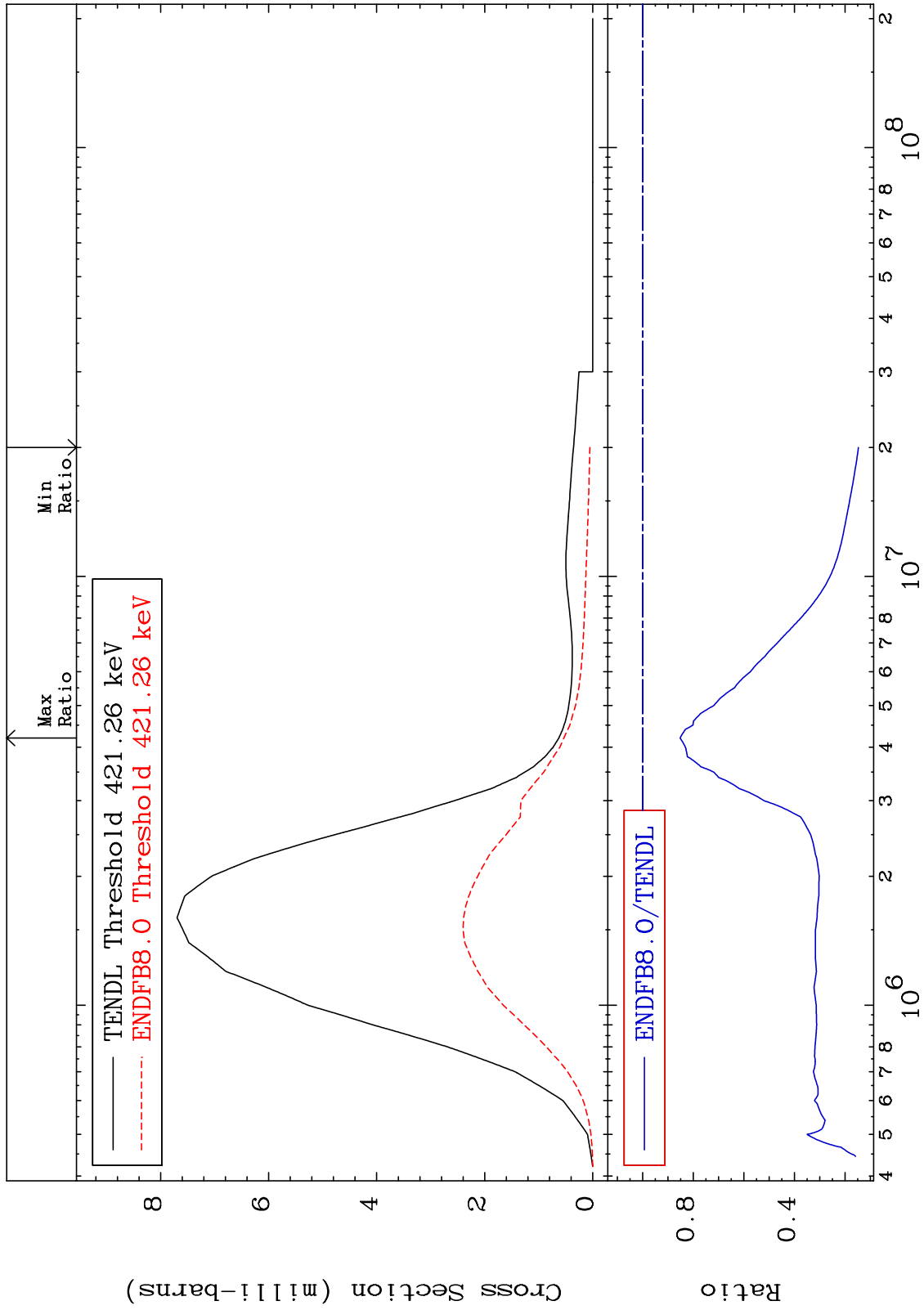
76-0s-187
-91.87 To 9999. %



MAT 7634

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

76-0s-187
-85.31 To -14.80%



24

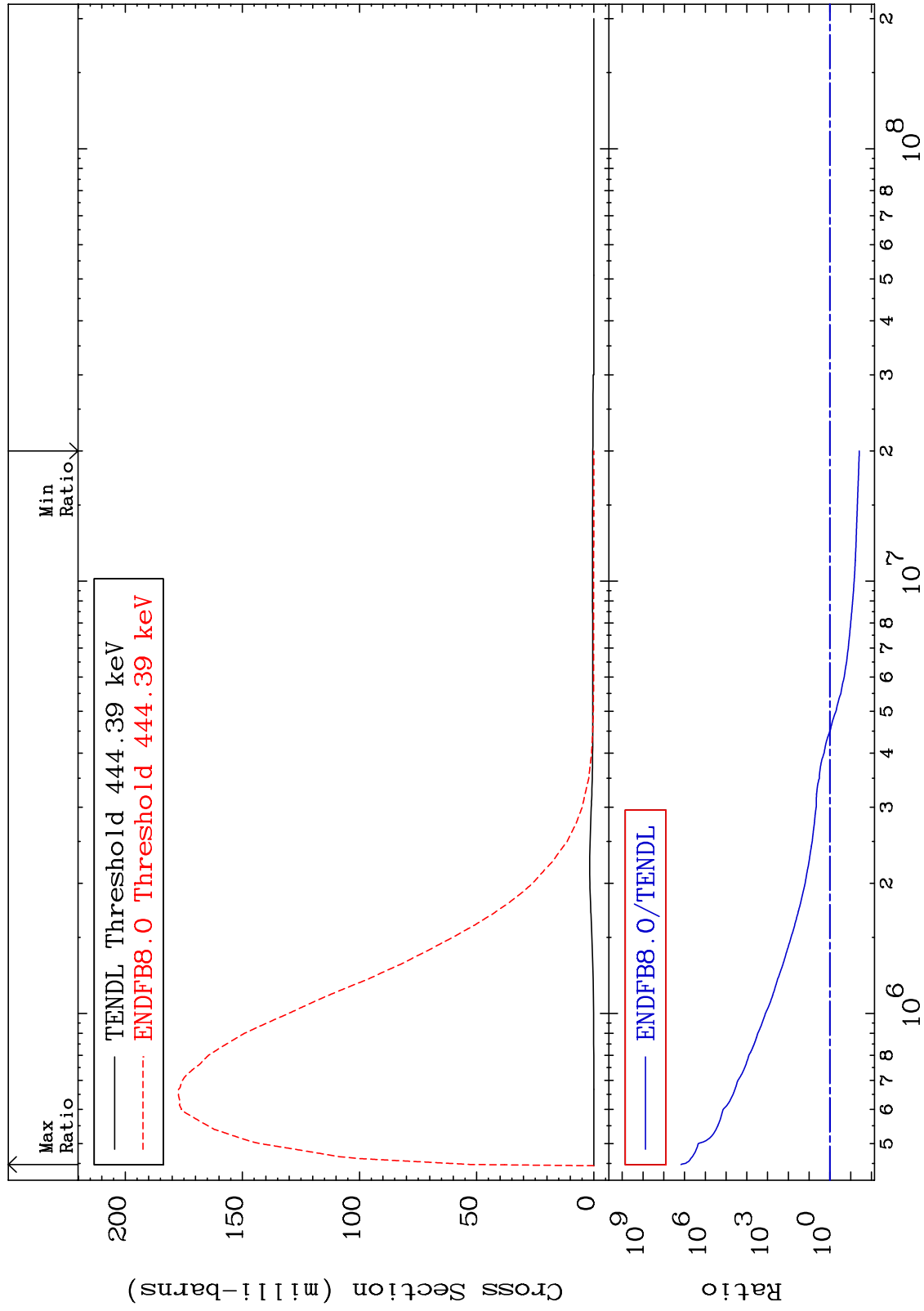
Incident Energy (eV)

76-0s-187

MAT 7634

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

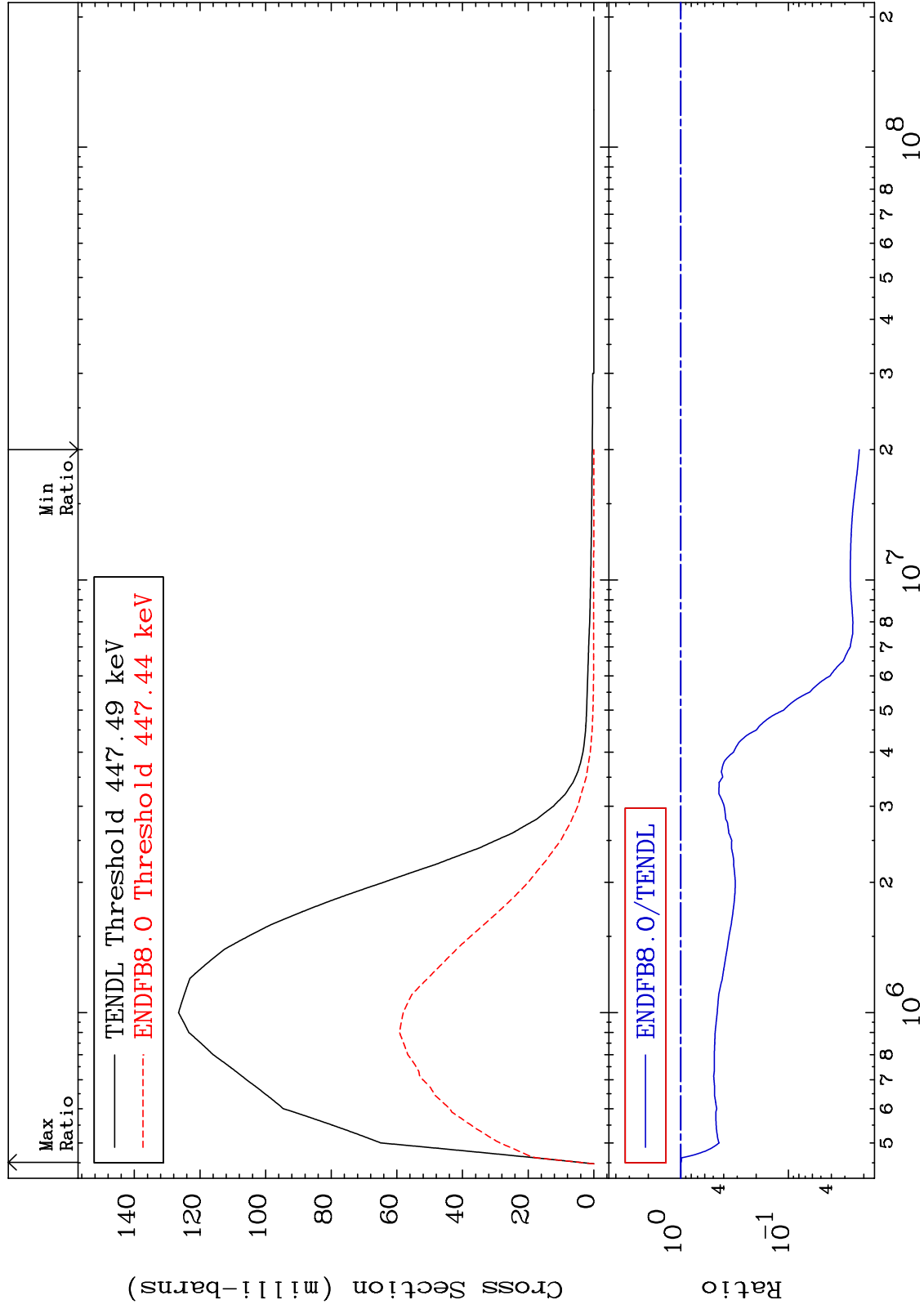
76-0s-187
-96.17 To 9999. %



MAT 7634

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

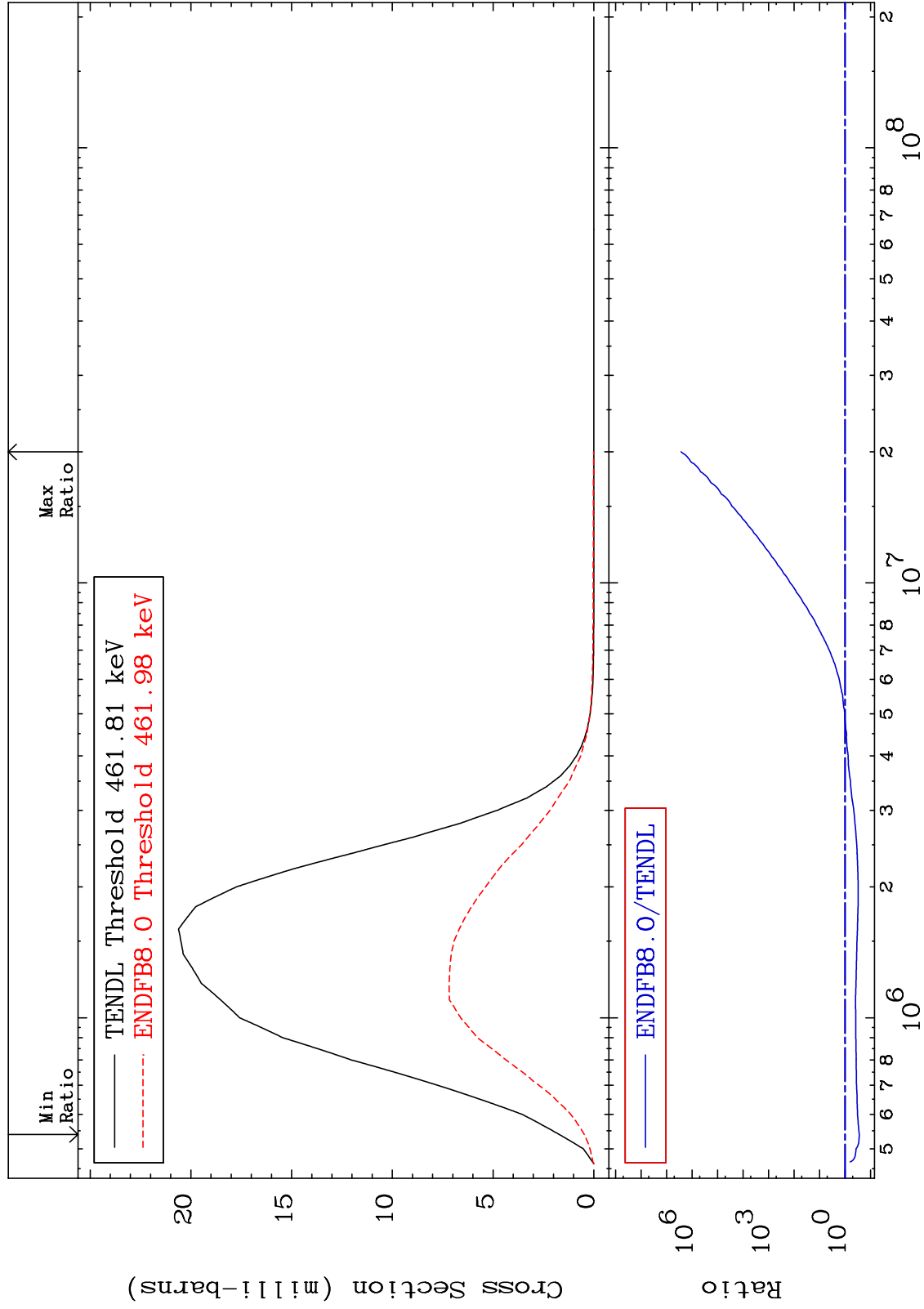
76-0s-187
-97.80 To -0.616%



MAT 7634

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

76-0s-187
-72.55 To 9999. %



27

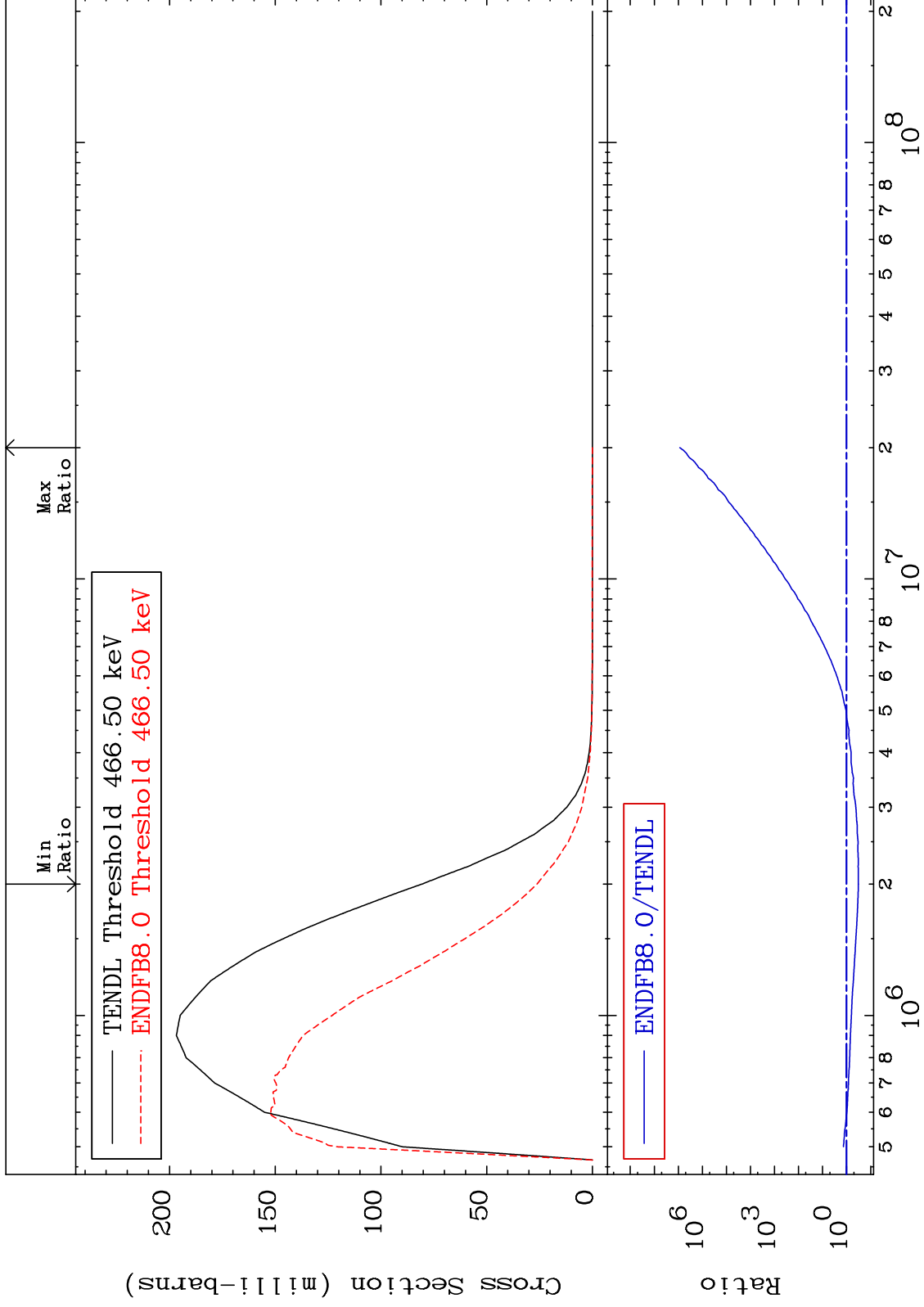
Incident Energy (eV)

76-0s-187

MAT 7634

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

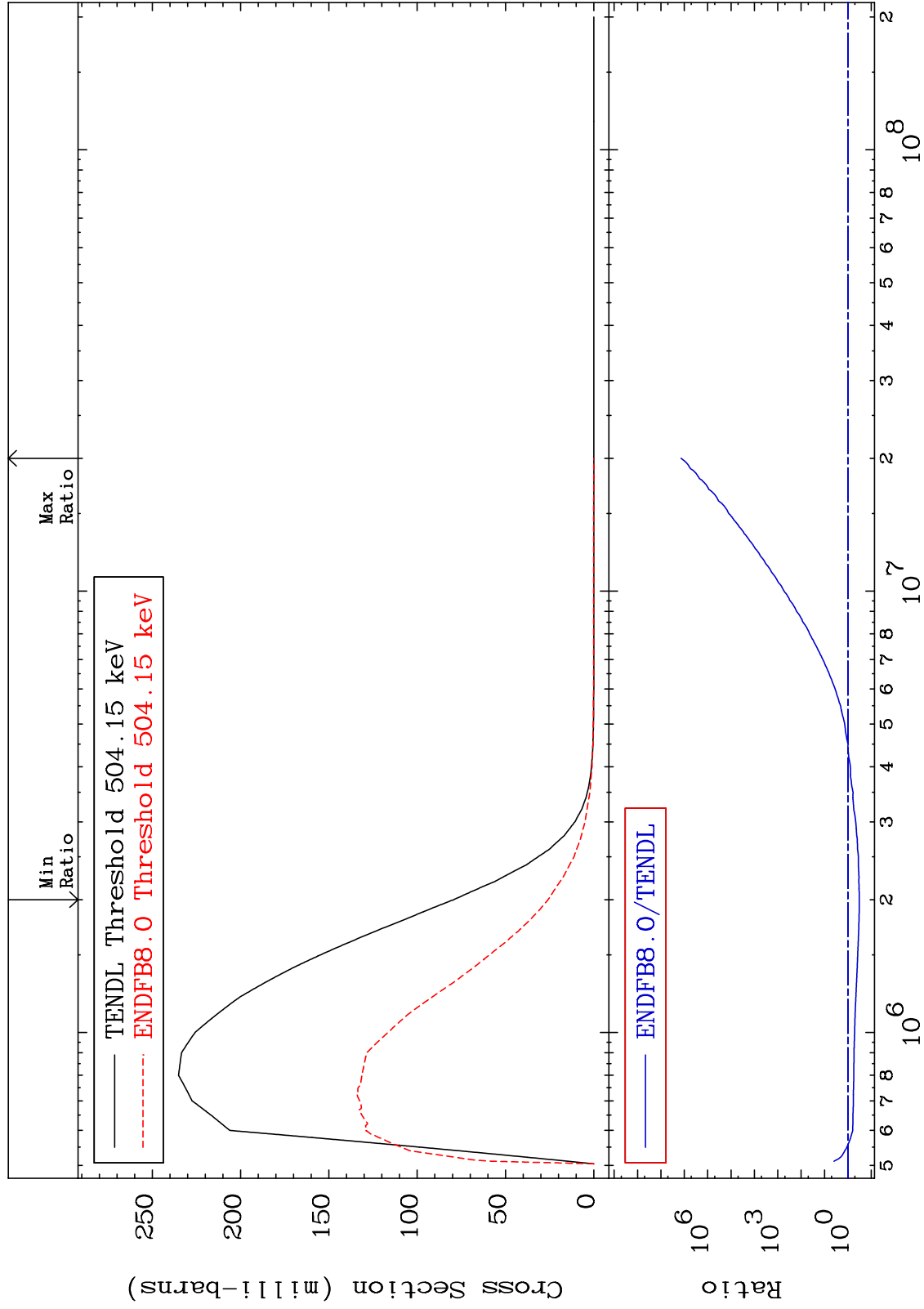
76-0s-187
-67.50 To 9999. %



MAT 7634

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

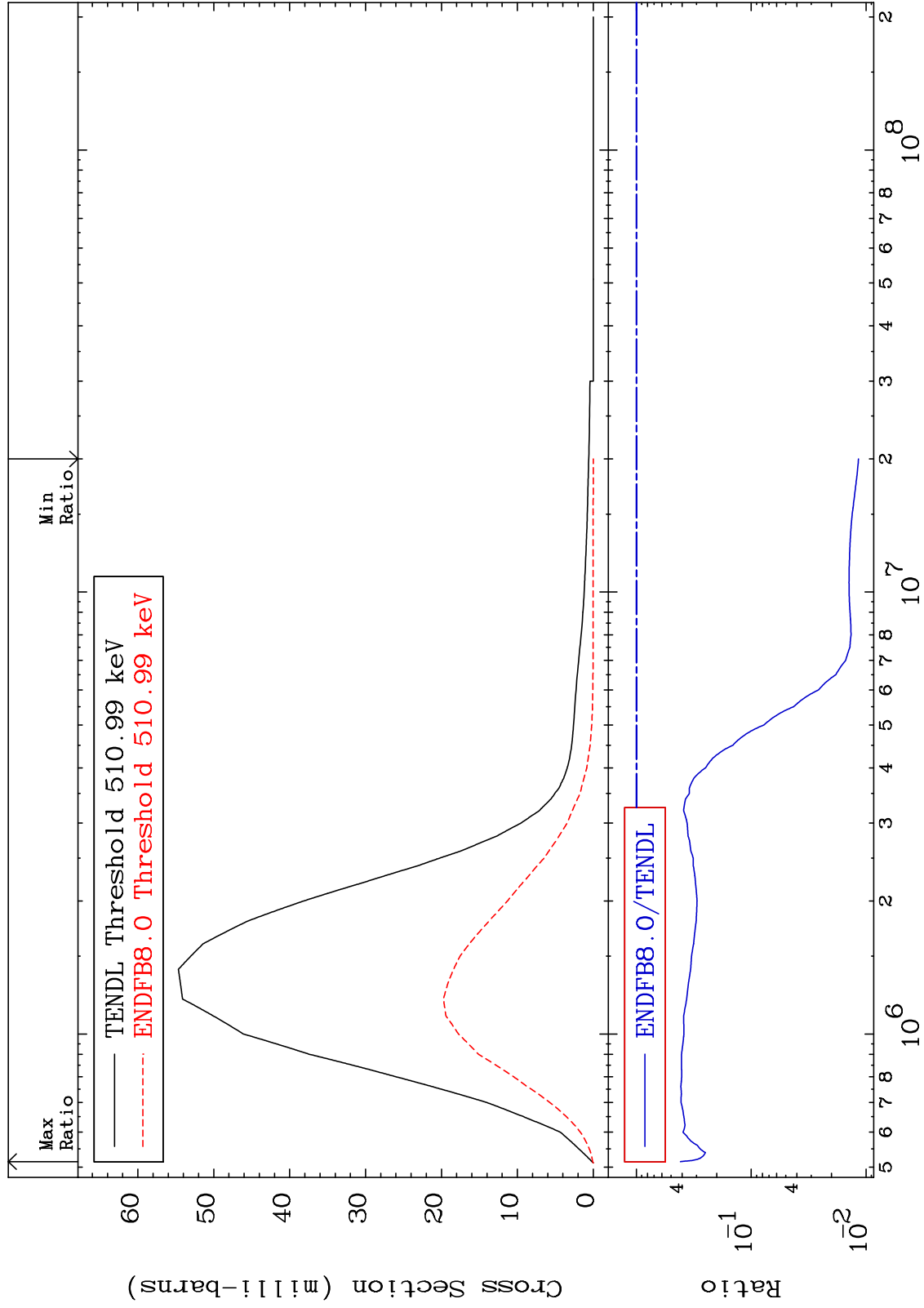
76-0s-187
-67.38 To 9999. %



MAT 7634

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

76-0s-187
-98.84 To -58.68%



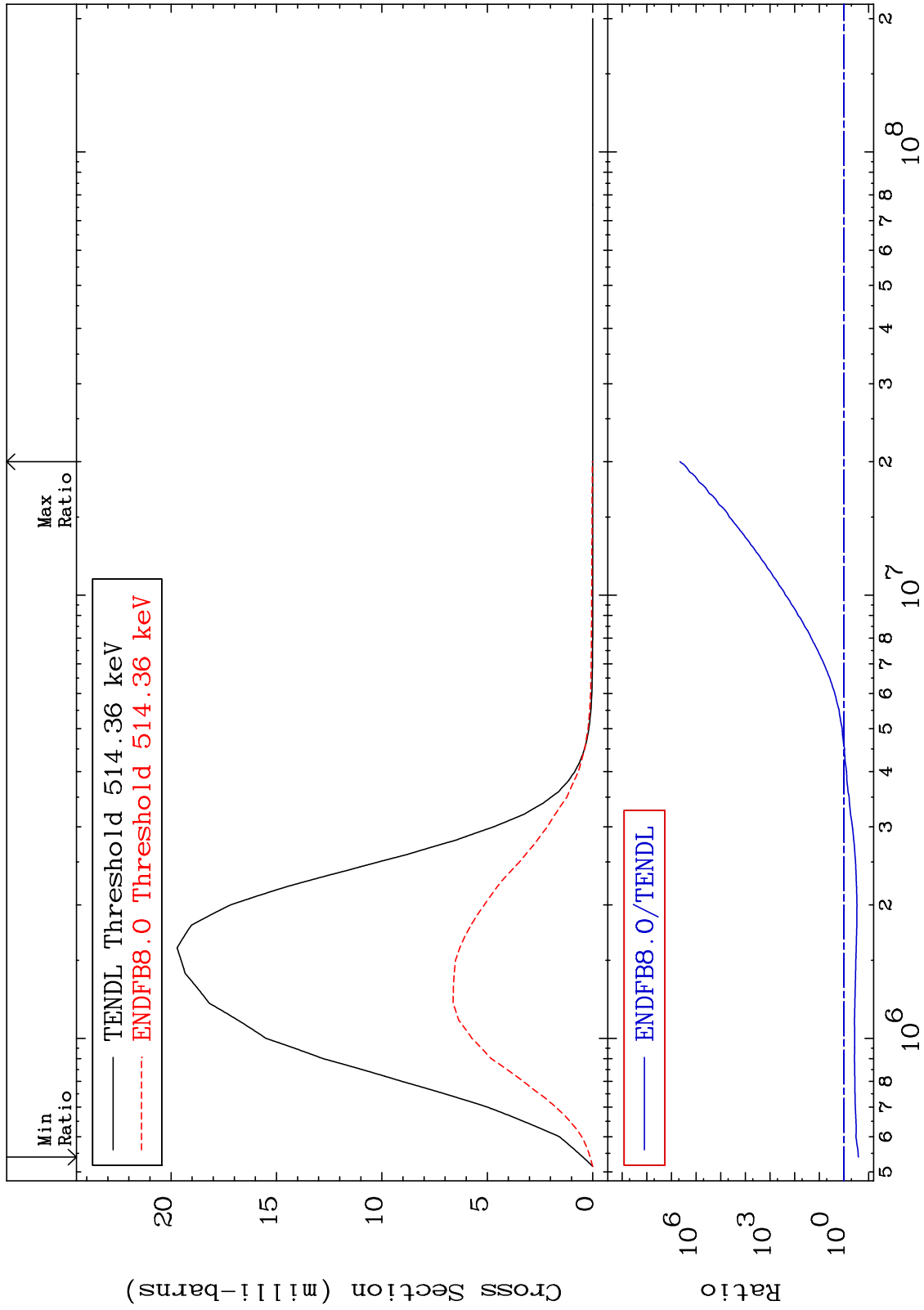
30

76-0s-187

MAT 7634

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

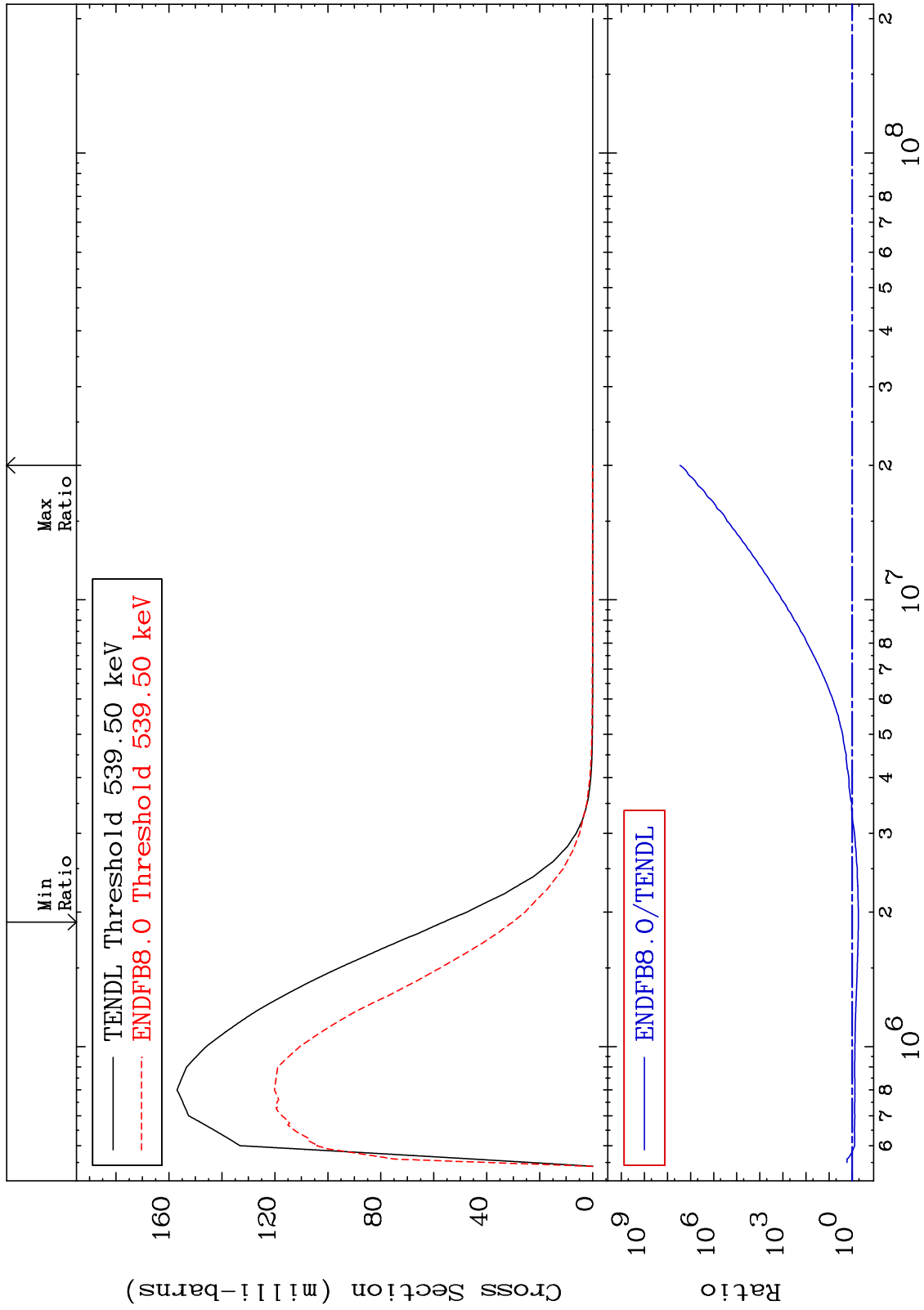
76-0s-187
-73.86 To 9999. %



MAT 7634

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

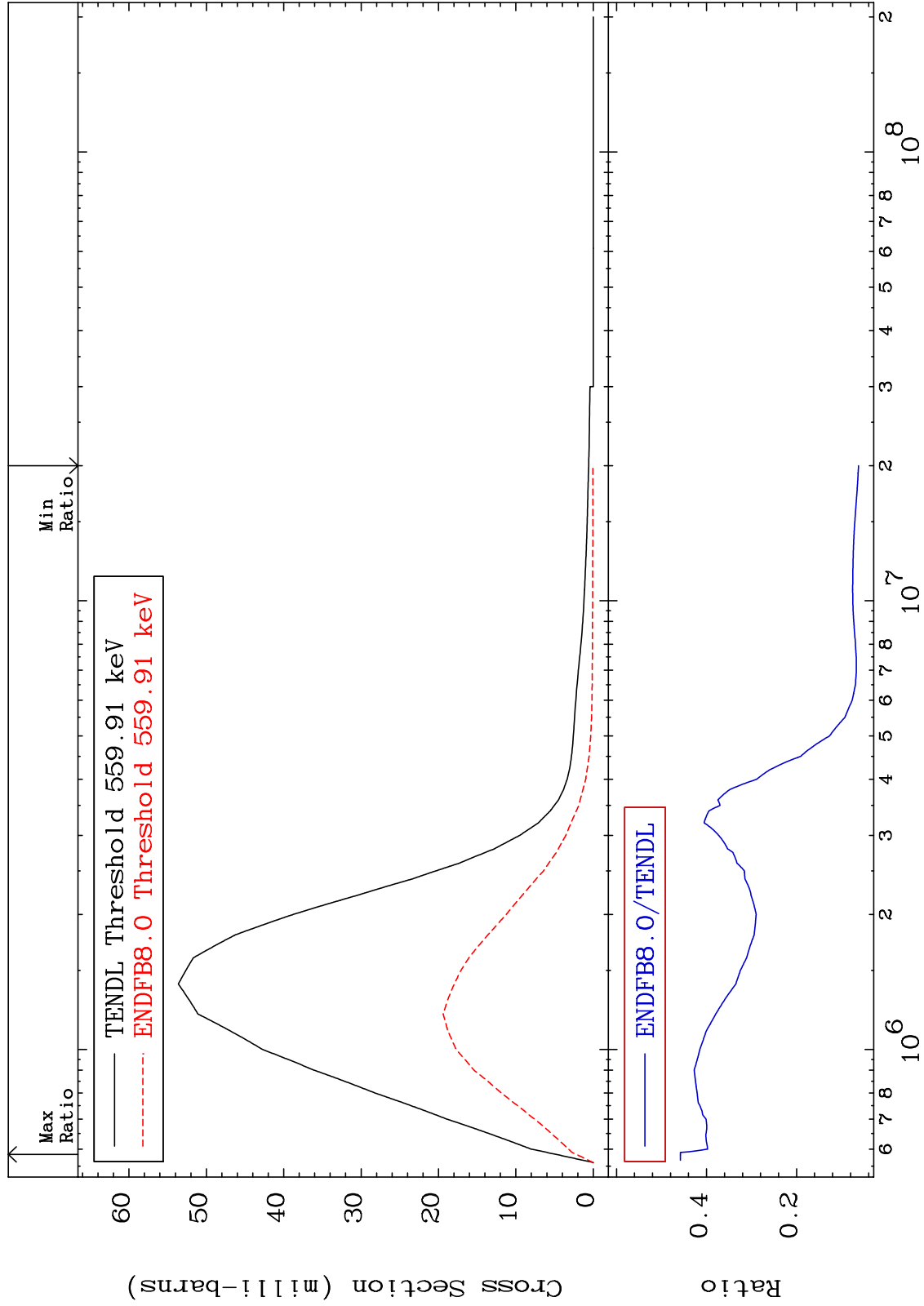
76-0s-187
-46.44 To 9999. %



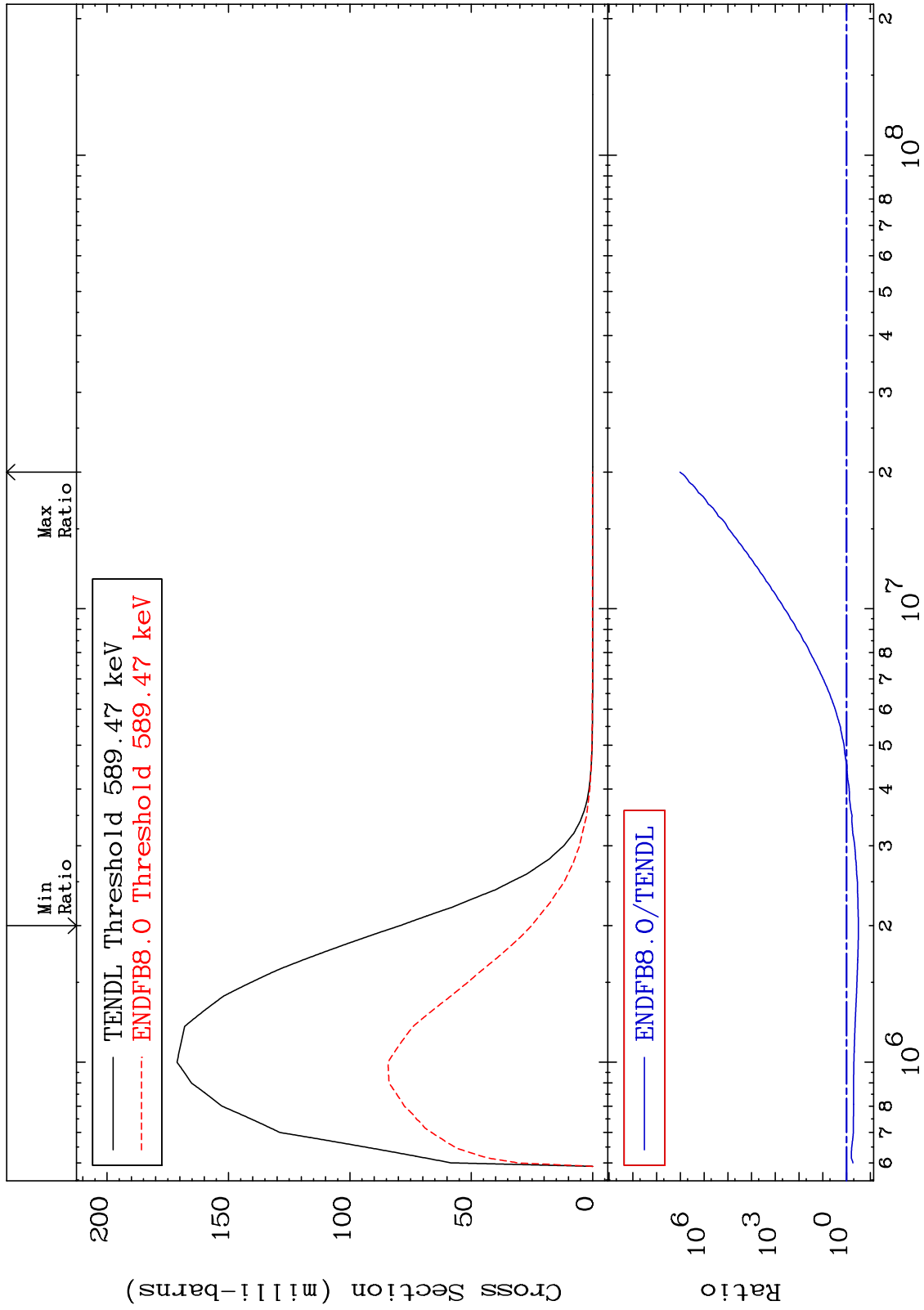
MAT 7634

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

76-0s-187
-93.76 To -54.20%



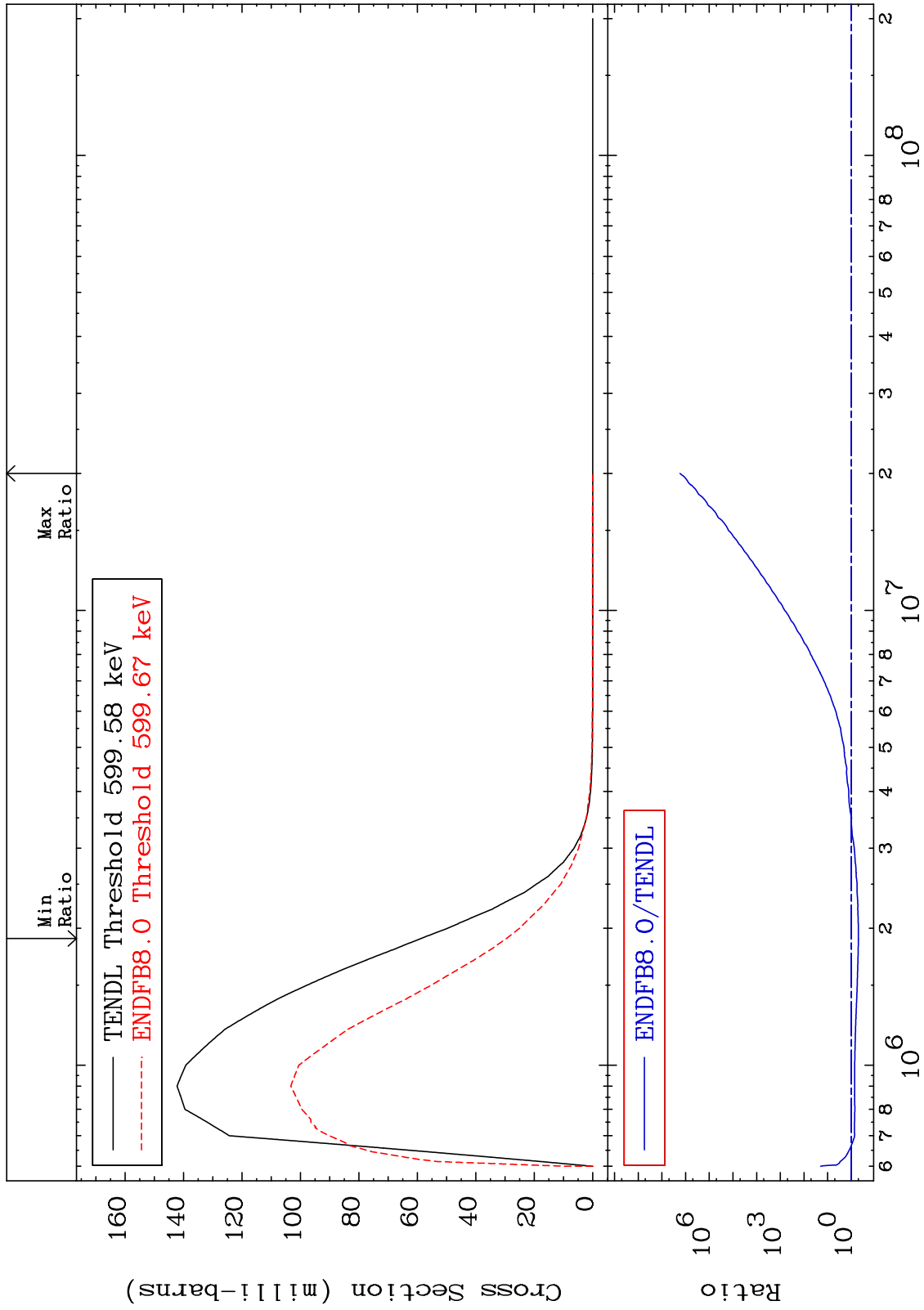
MAT 7634 MT= 73 (n,n') Level Cross Section 76-0s-187
 -68.31 To 9999. %



MAT 7634

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

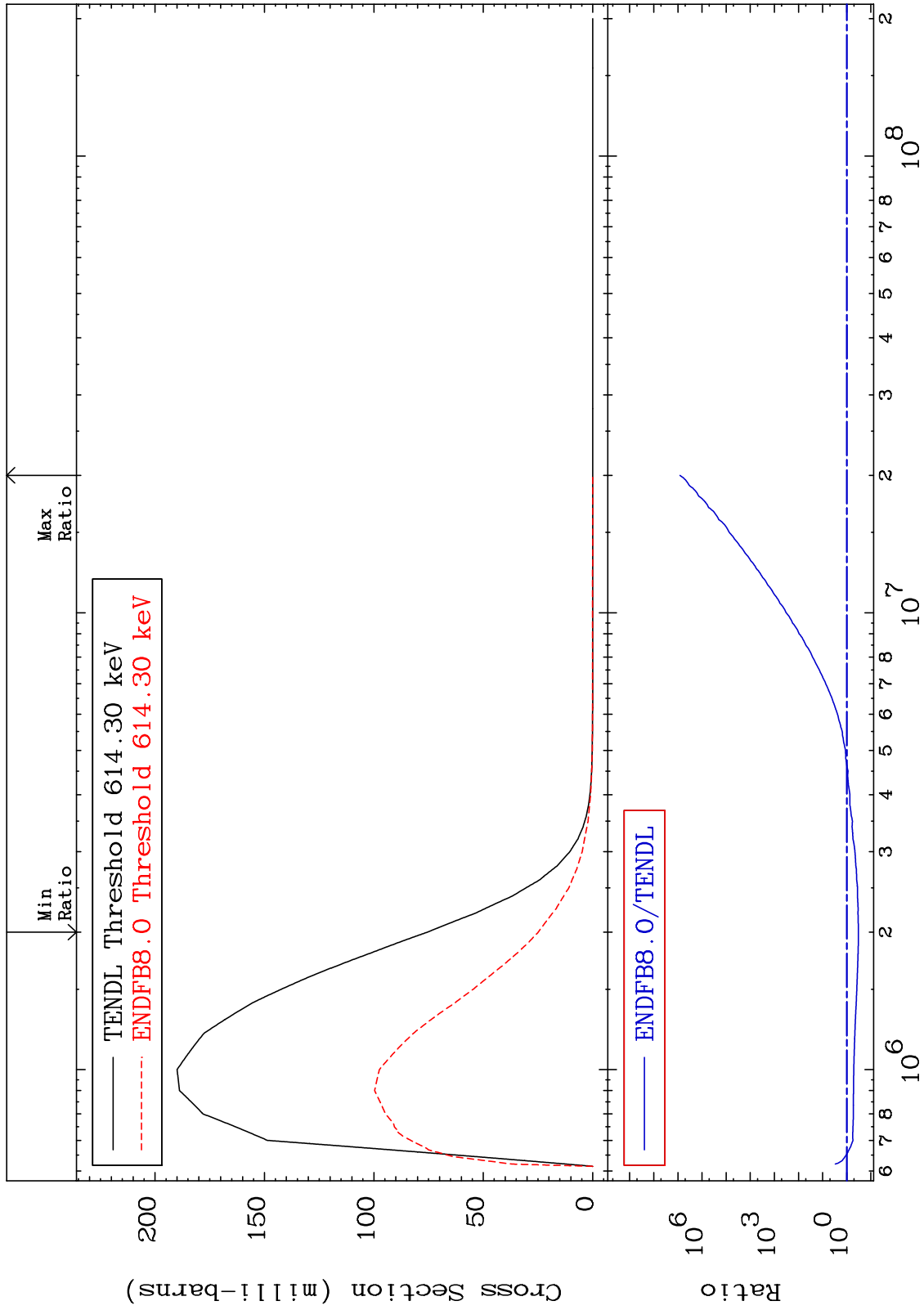
76-0s-187
-49.80 To 9999. %



MAT 7634

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

76-0s-187
-67.07 To 9999. %



Incident Energy (eV)

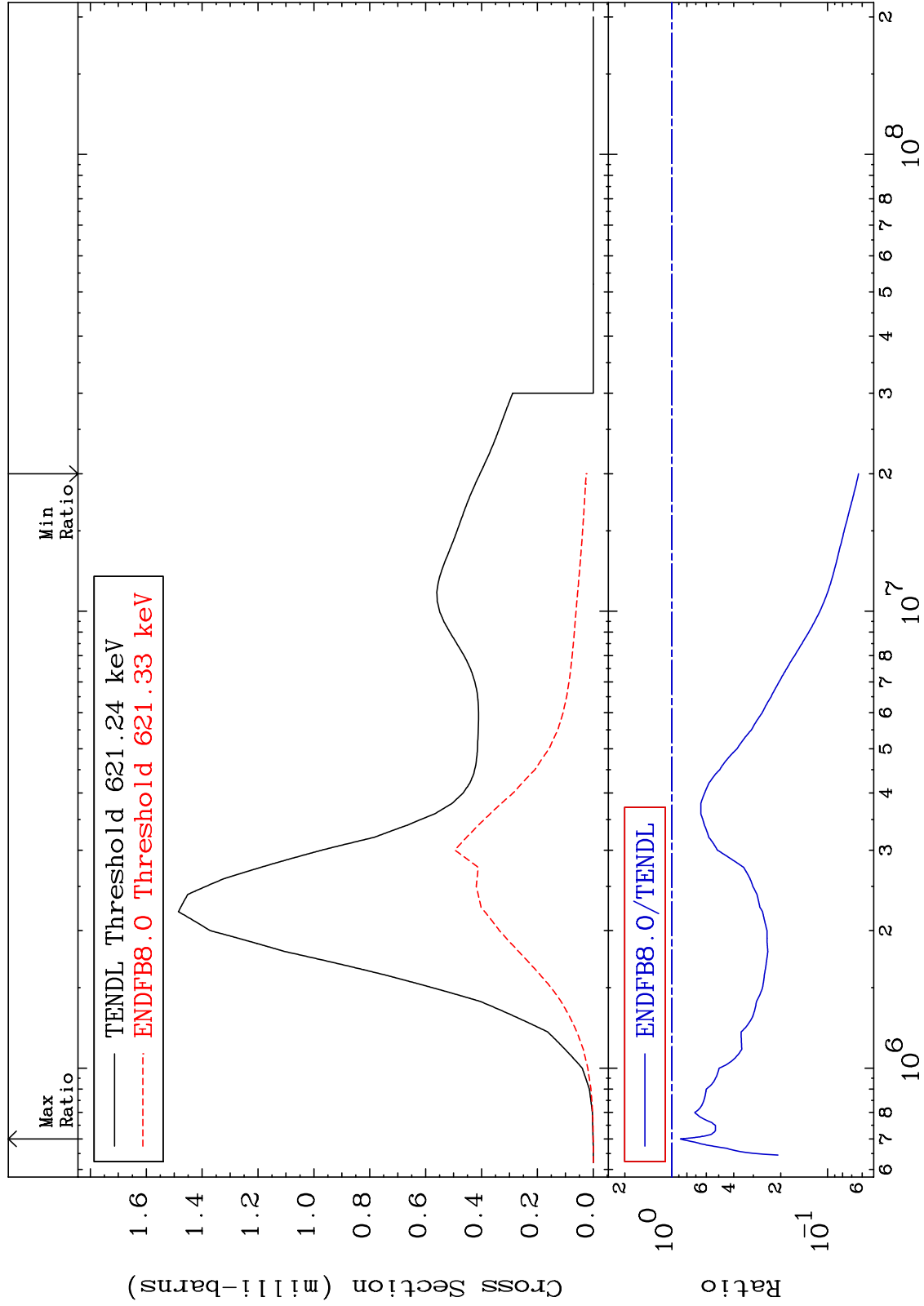
76-0s-187

36

MAT 7634

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

76-0s-187
-93.67 To -11.99%



37

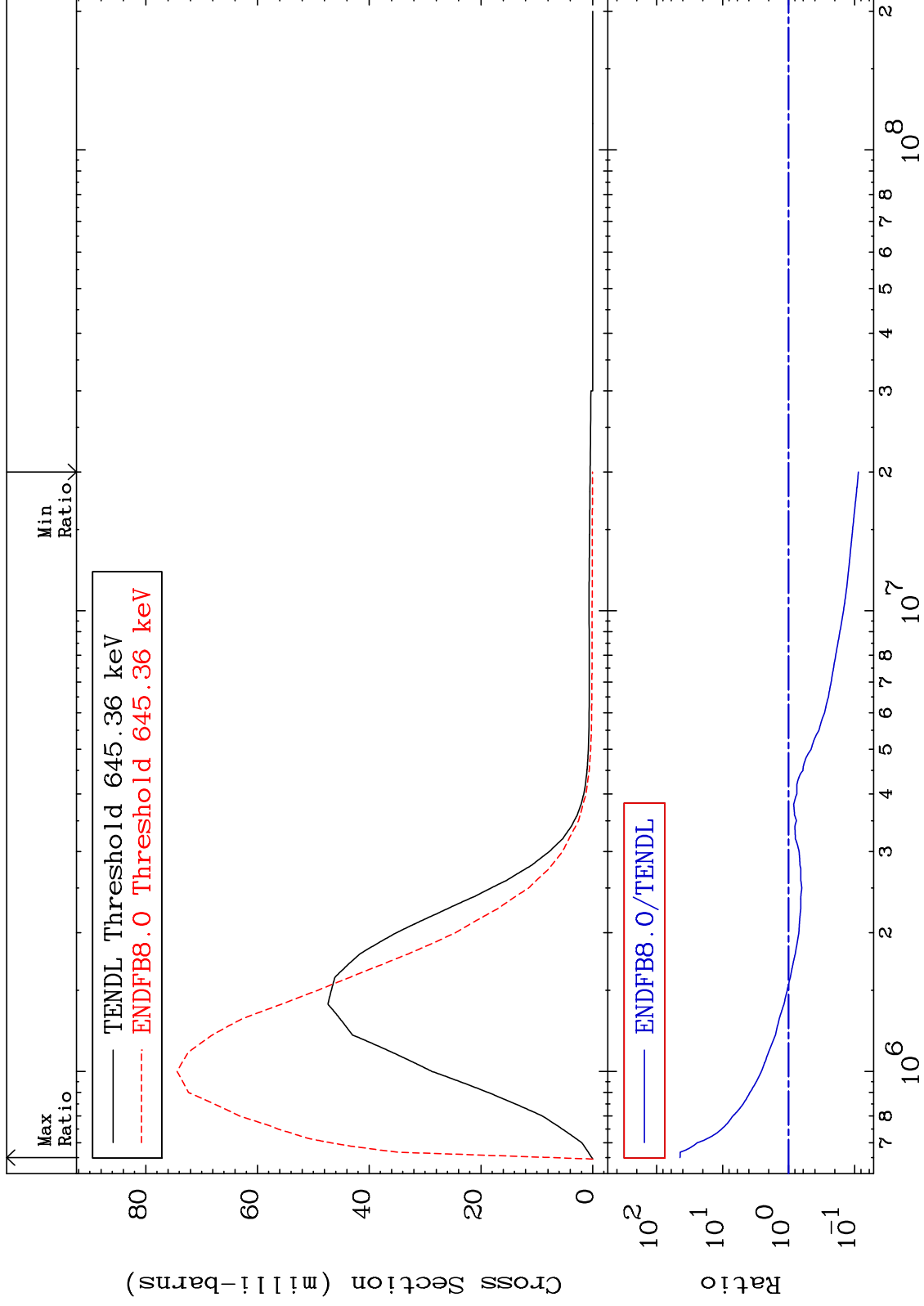
Incident Energy (eV)

76-0s-187

MAT 7634

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

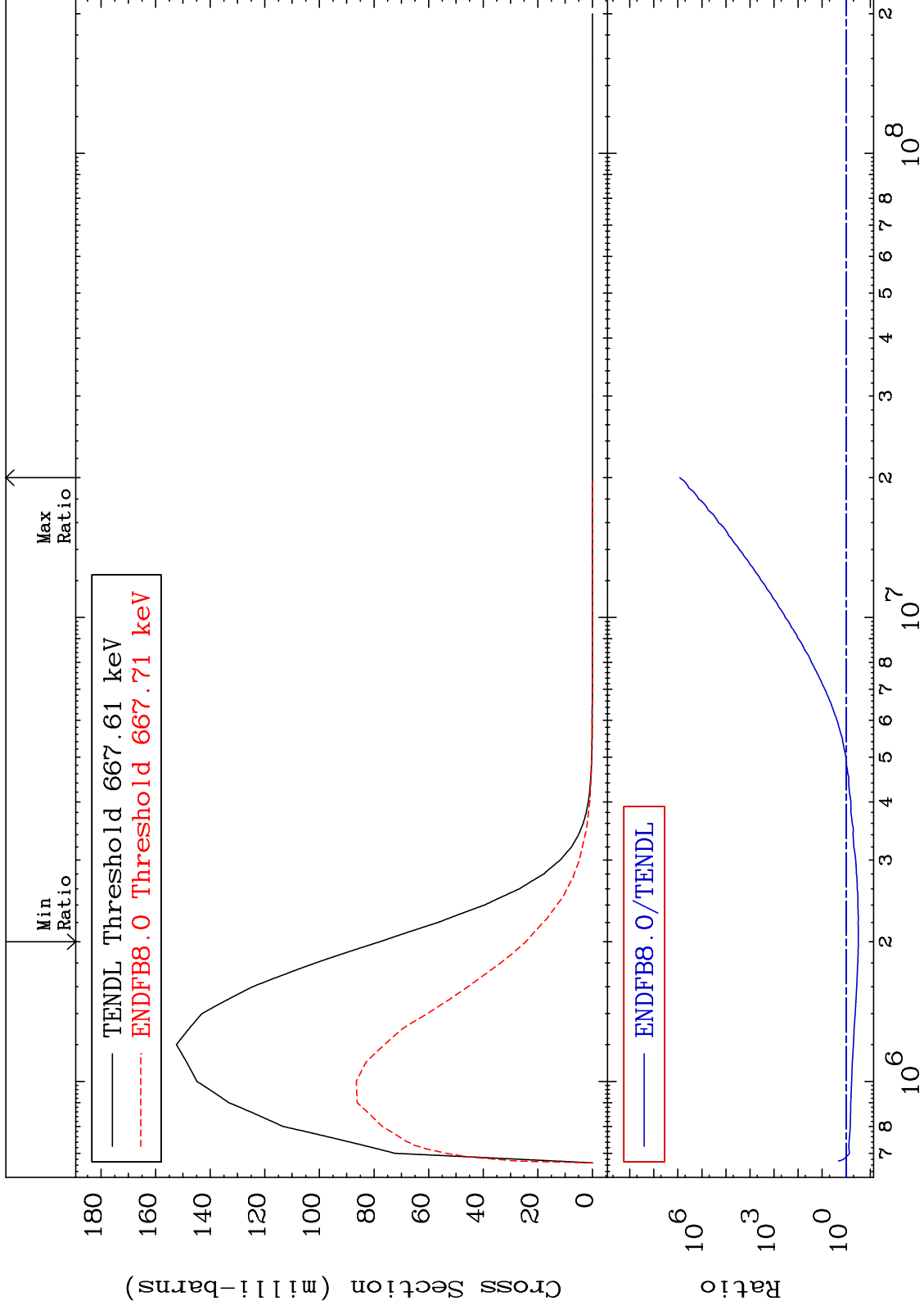
76-0s-187
-91.25 To 4321. %



MAT 7634

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

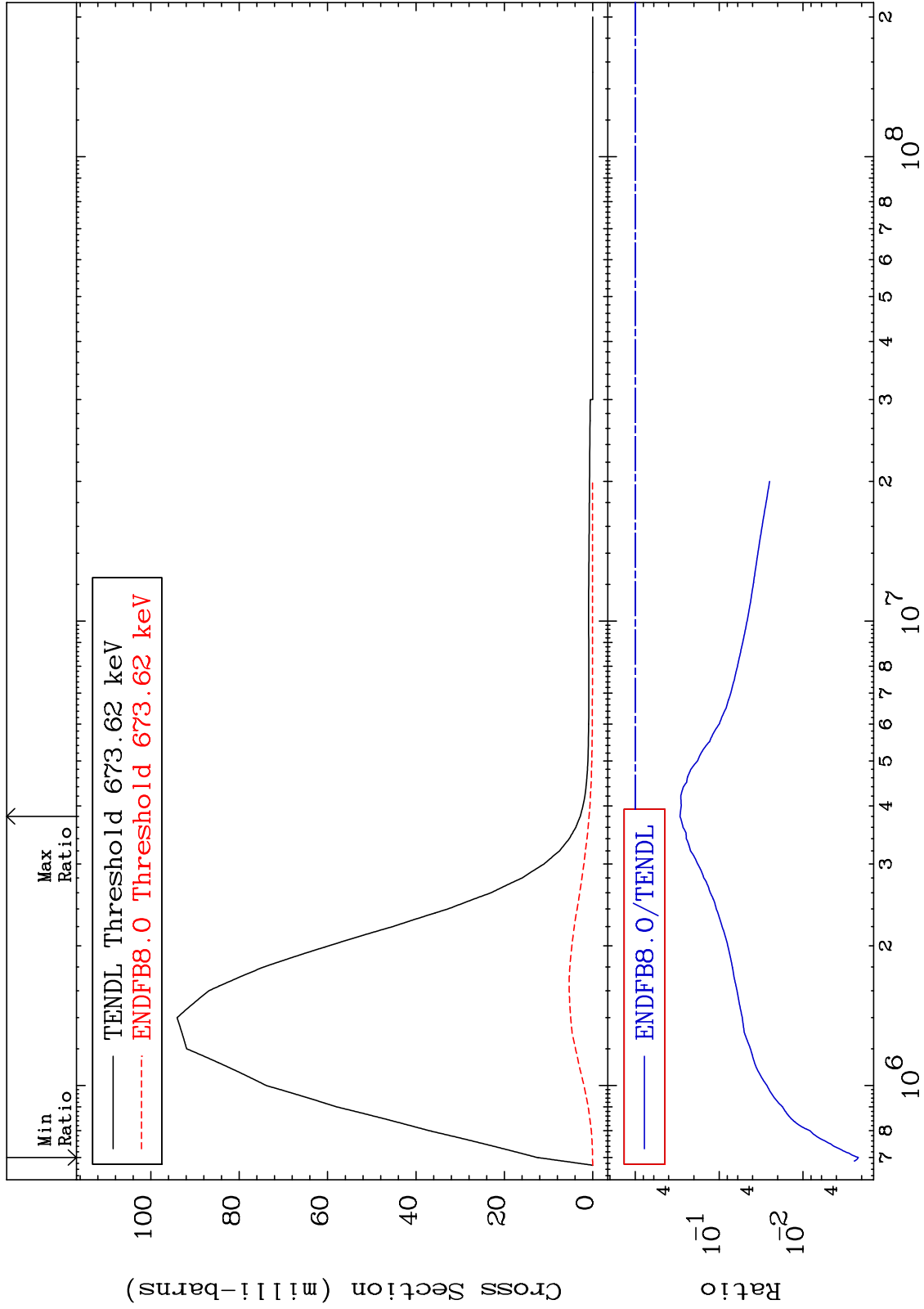
76-0s-187
-68.69 To 9999. %



MAT 7634

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

76-0s-187
-99.78 To -70.74%



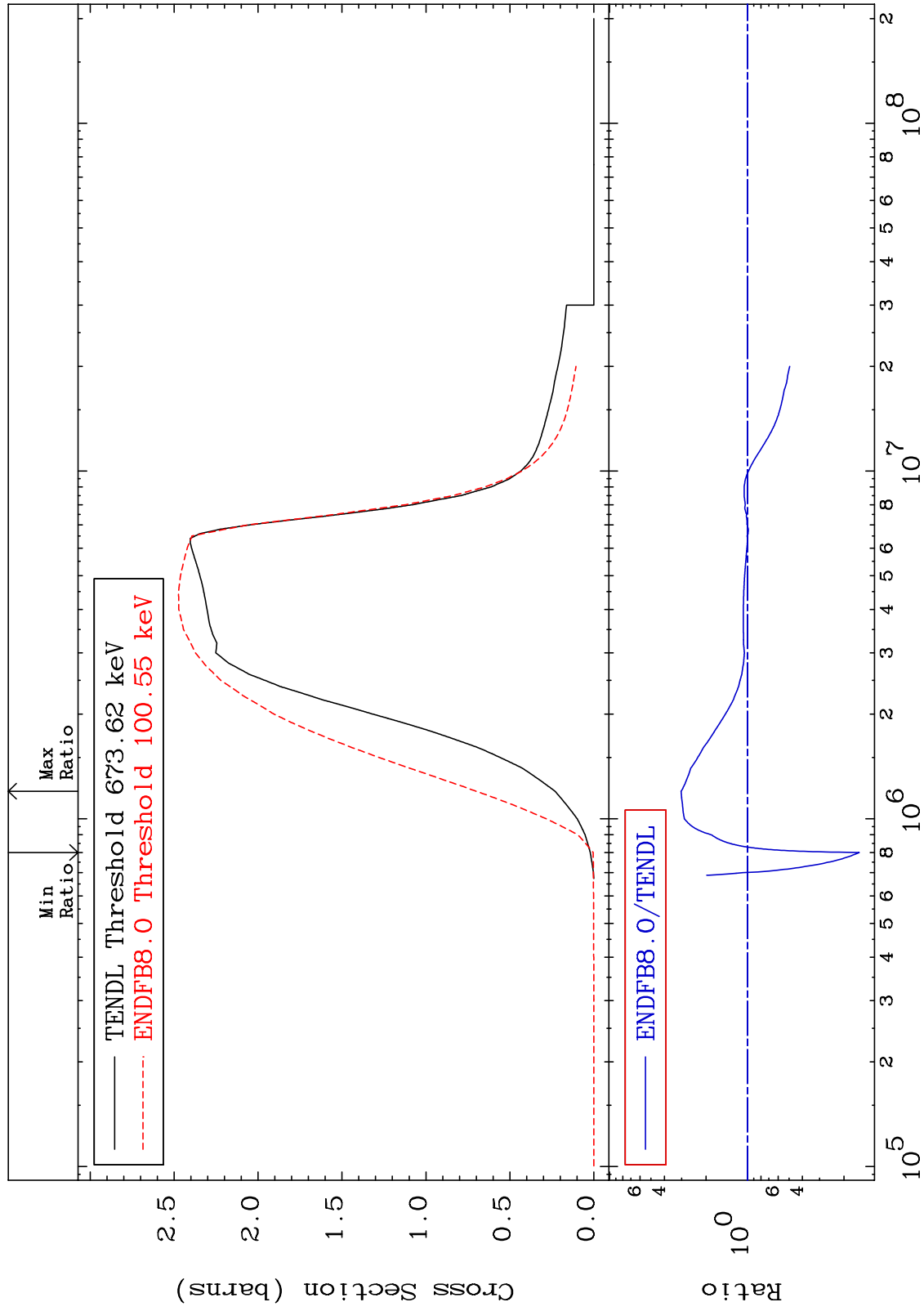
40

76-0s-187

MAT 7634

(n, n') Continuum
Cross Section

76-0s-187
-84.50 To 203.0 %



41

Incident Energy (eV)

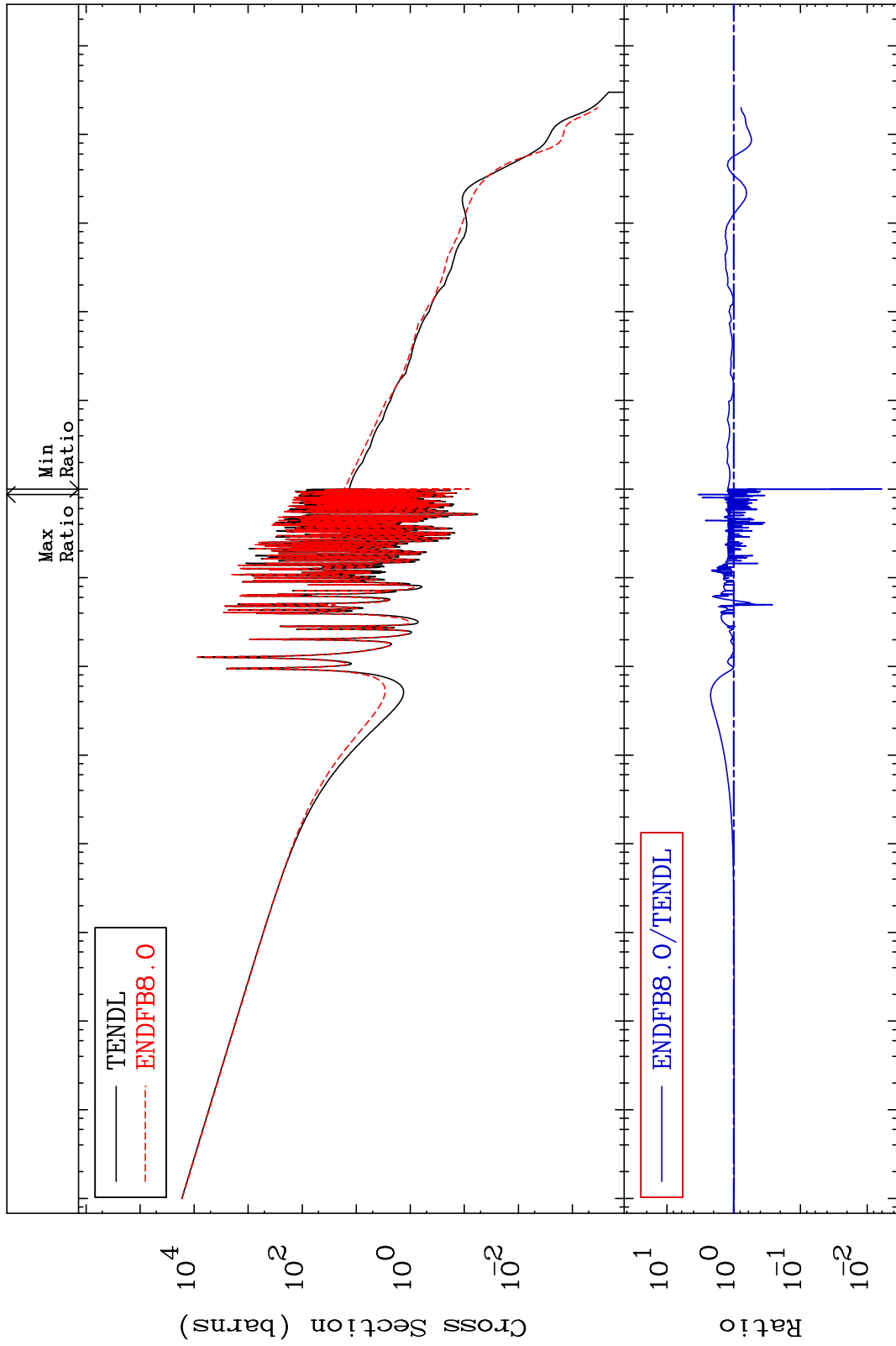
76-0s-187

MAT 7634

76-0s-187

-99.39 To 238.6 %

(n, γ)
Cross Section



76-0s-187

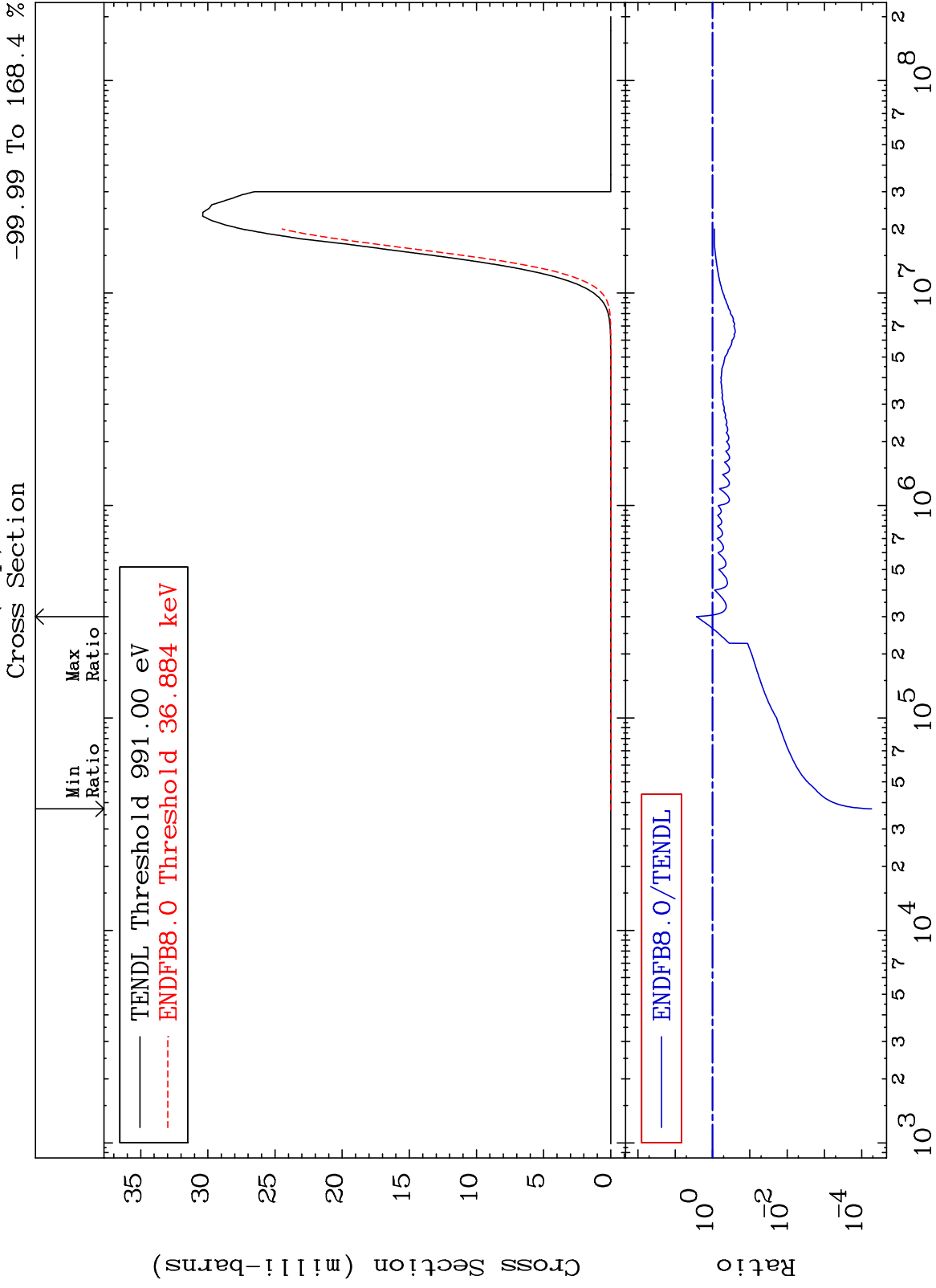
Incident Energy (eV)

42

MAT 7634

(n, p)

76-0s-187
-99.99 To 168.4 %

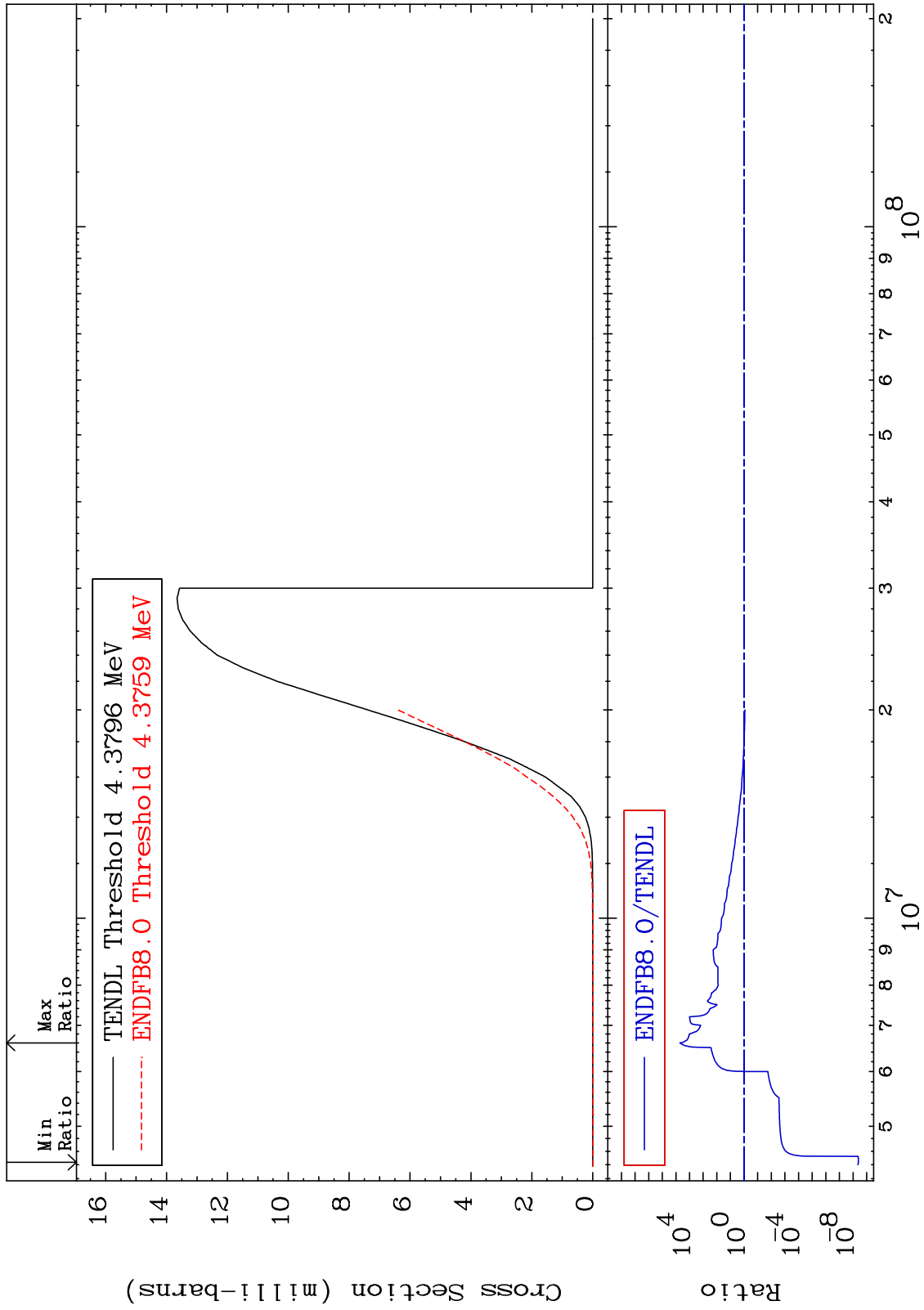


43

Incident Energy (eV)

76-0s-187

MAT 7634 (n,d) 76-0s-187
 Cross Section -100.0 To 9999. %



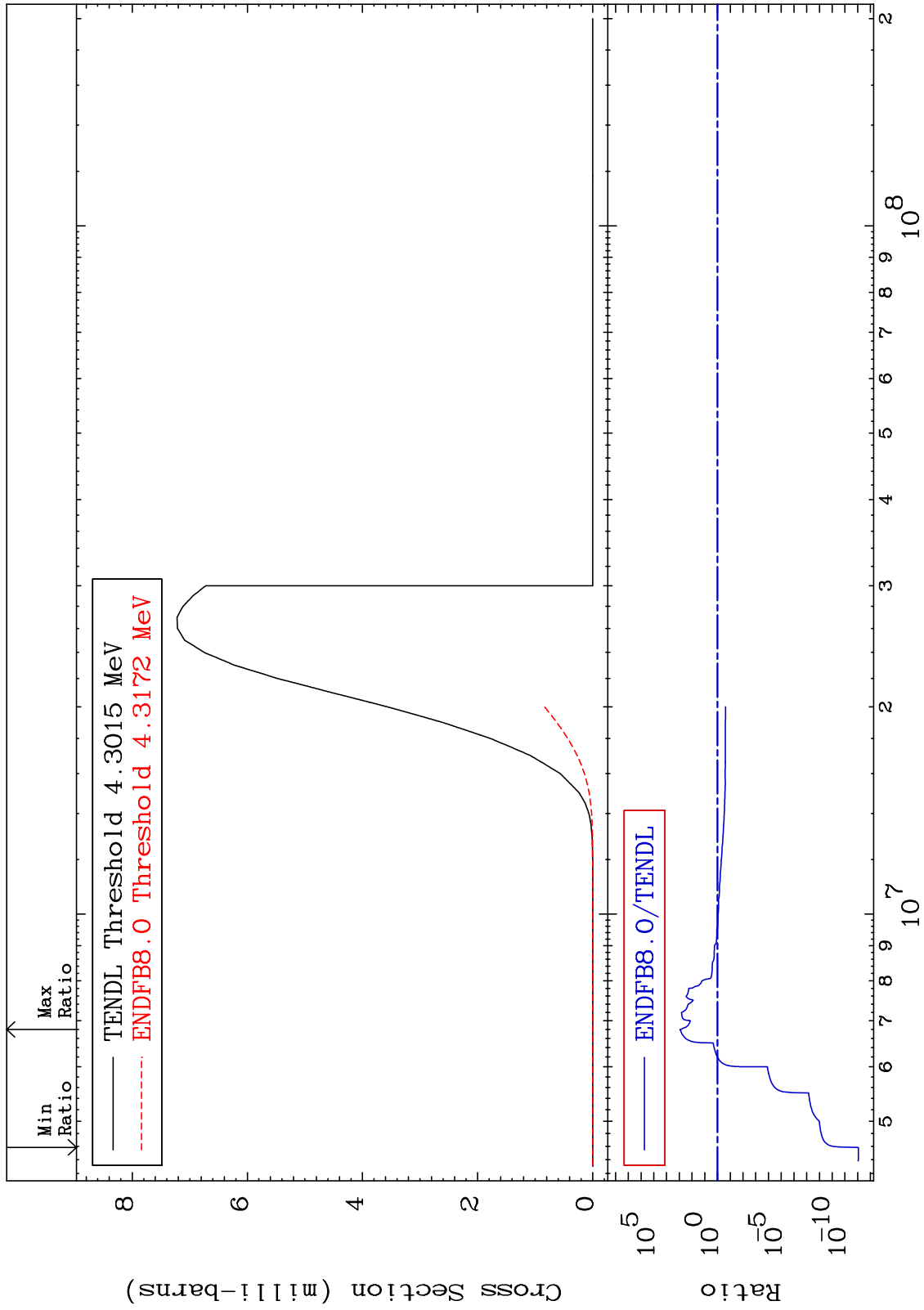
MAT 7634

(n, t)

76-0s-187

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

76-0s-187

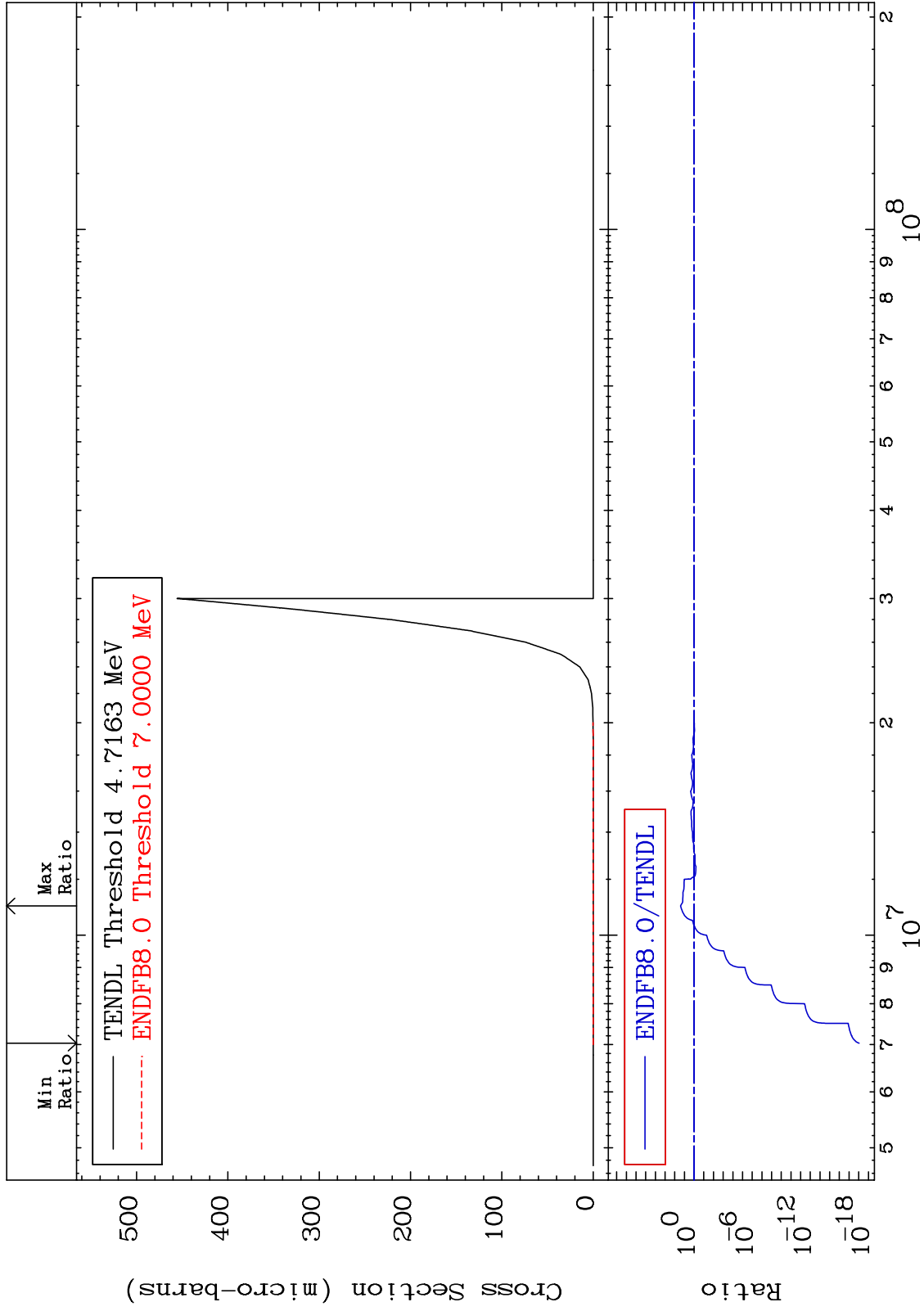
MAT 7634

(n, He-3)

76-0s-187

Cross Section

-100.0 To 2372. %



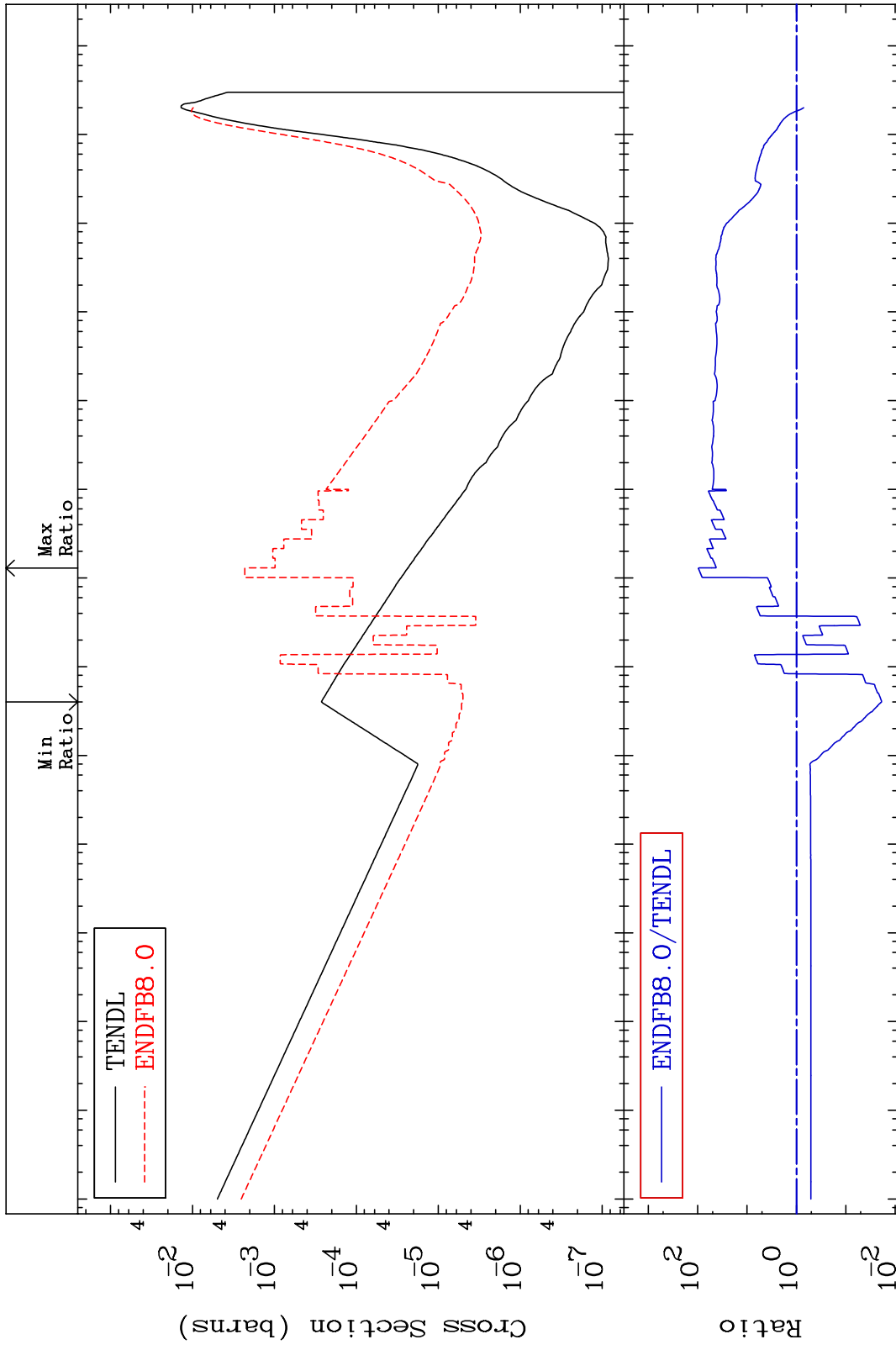
MAT 7634

(n, α)

76-0s-187

-98.11 To 9688. %

Cross Section



Incident Energy (eV)

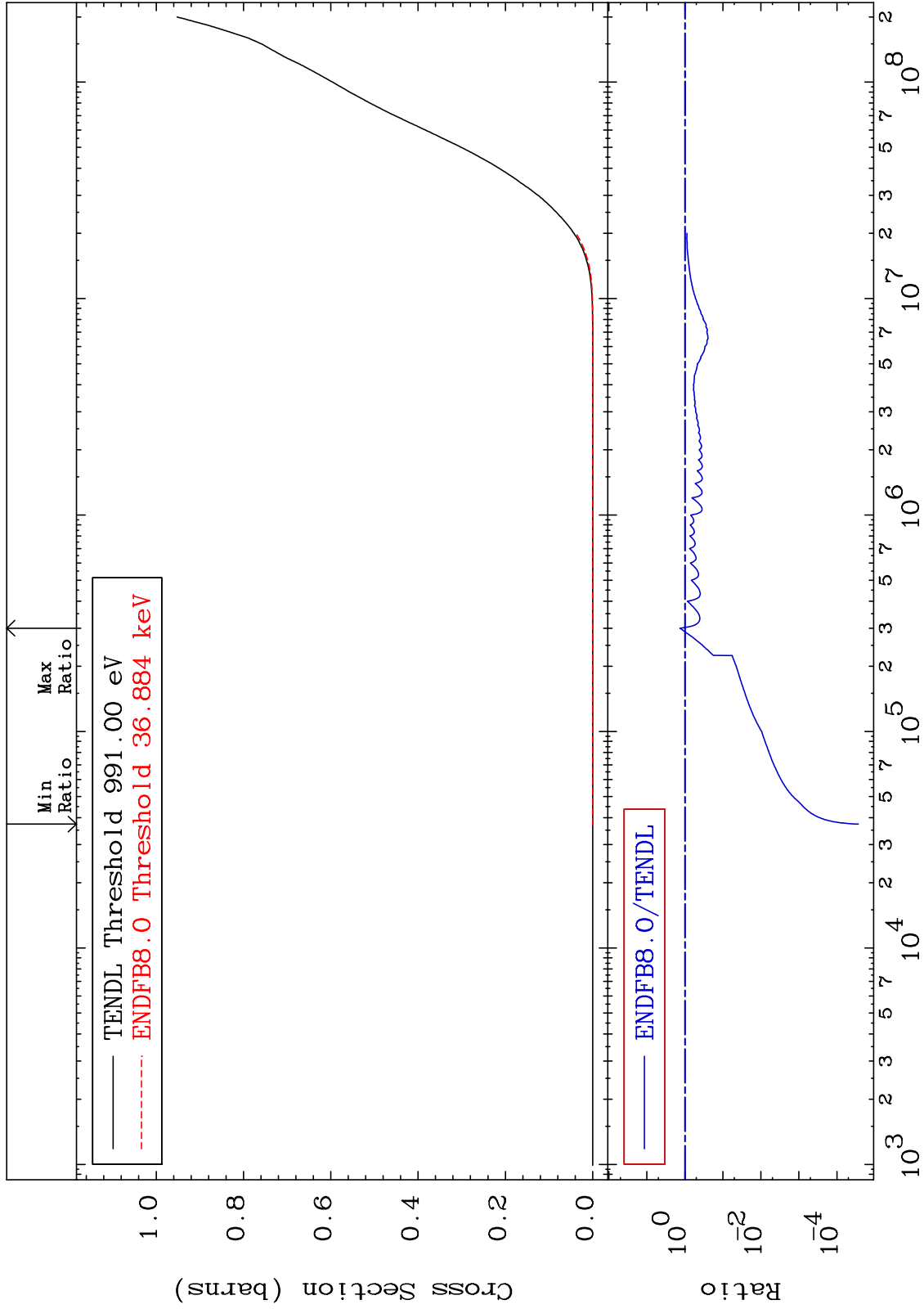
76-0s-187

47

MAT 7634

Hydrogen Production
Cross Section

76-0s-187
-100.0 To 34.22 %



48

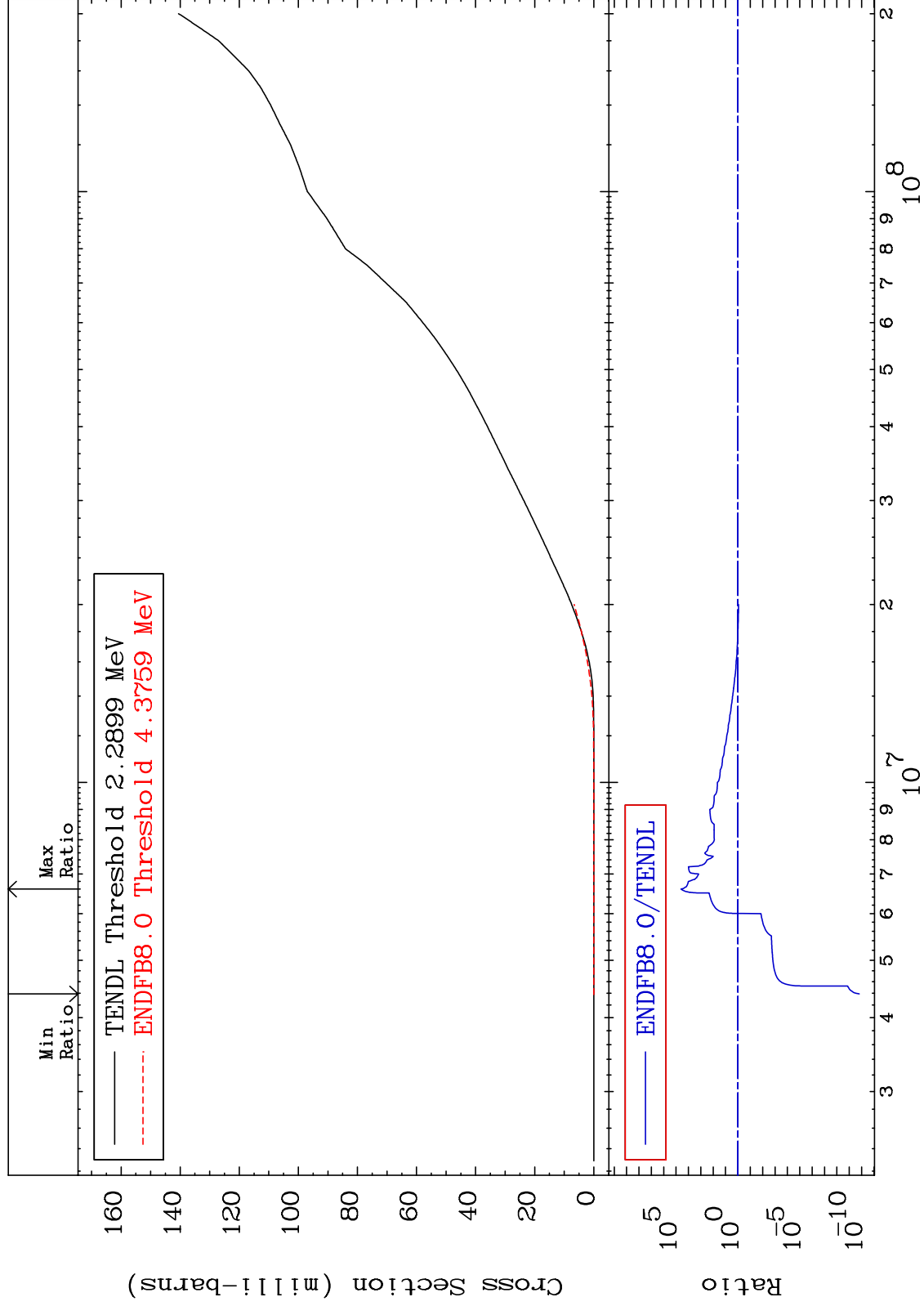
Incident Energy (eV)

76-0s-187

MAT 7634

Deuterium Production
Cross Section

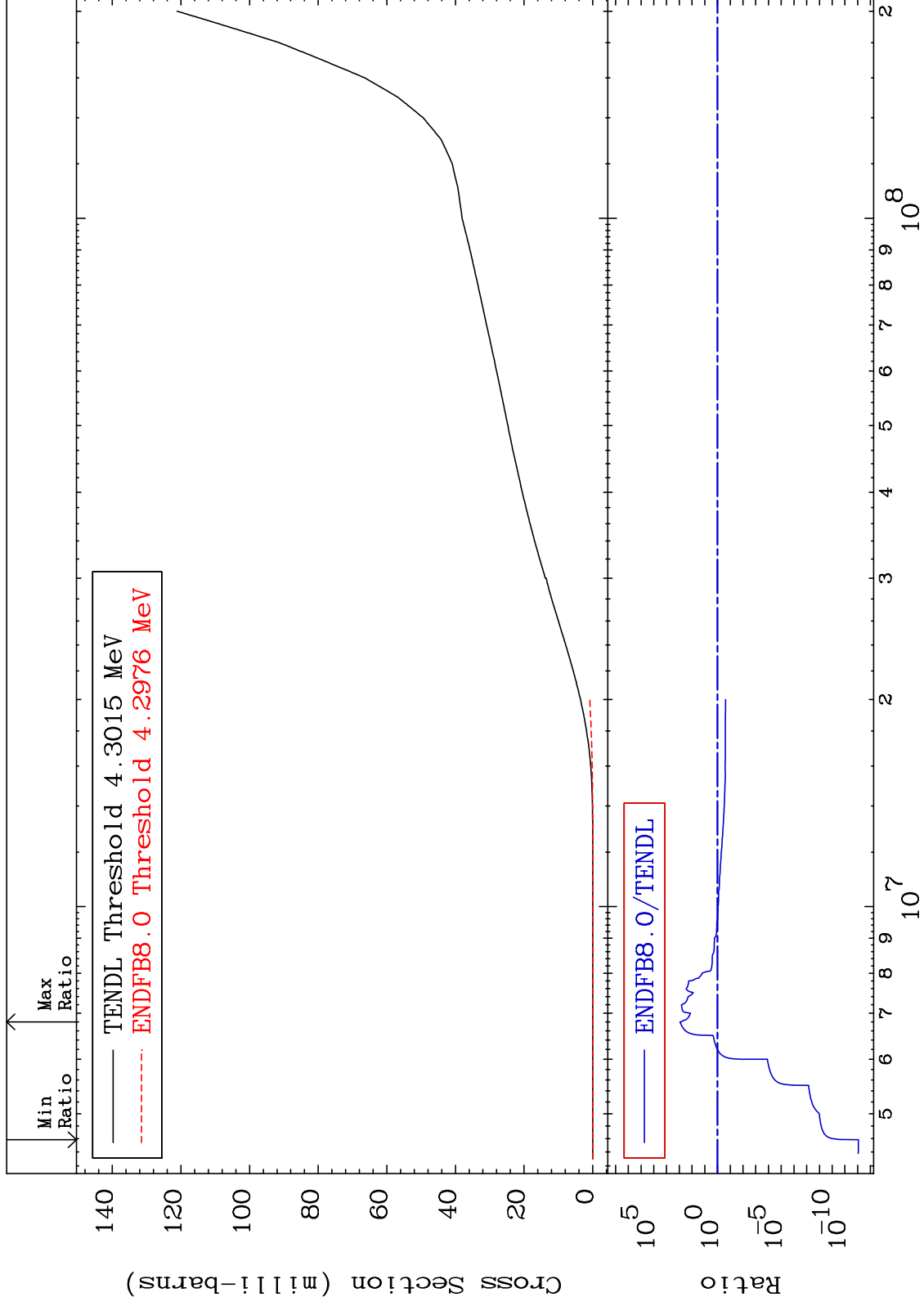
76-0s-187
-100.0 To 9999. %



MAT 7634

Tritium Production
Cross Section

76-0s-187
-100.0 To 9999. %



50

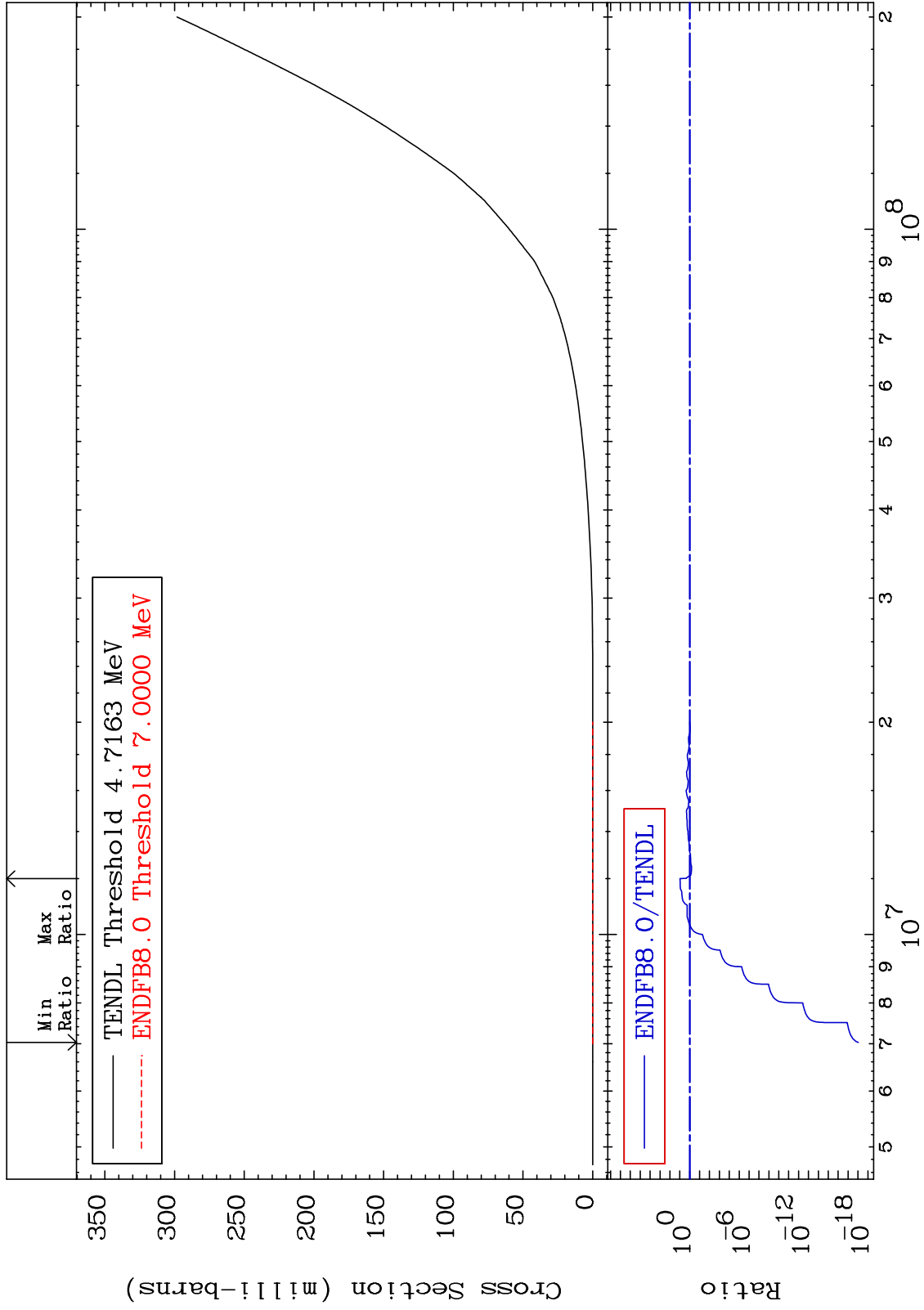
Incident Energy (eV)

76-0s-187

MAT 7634

He-3 Production
Cross Section

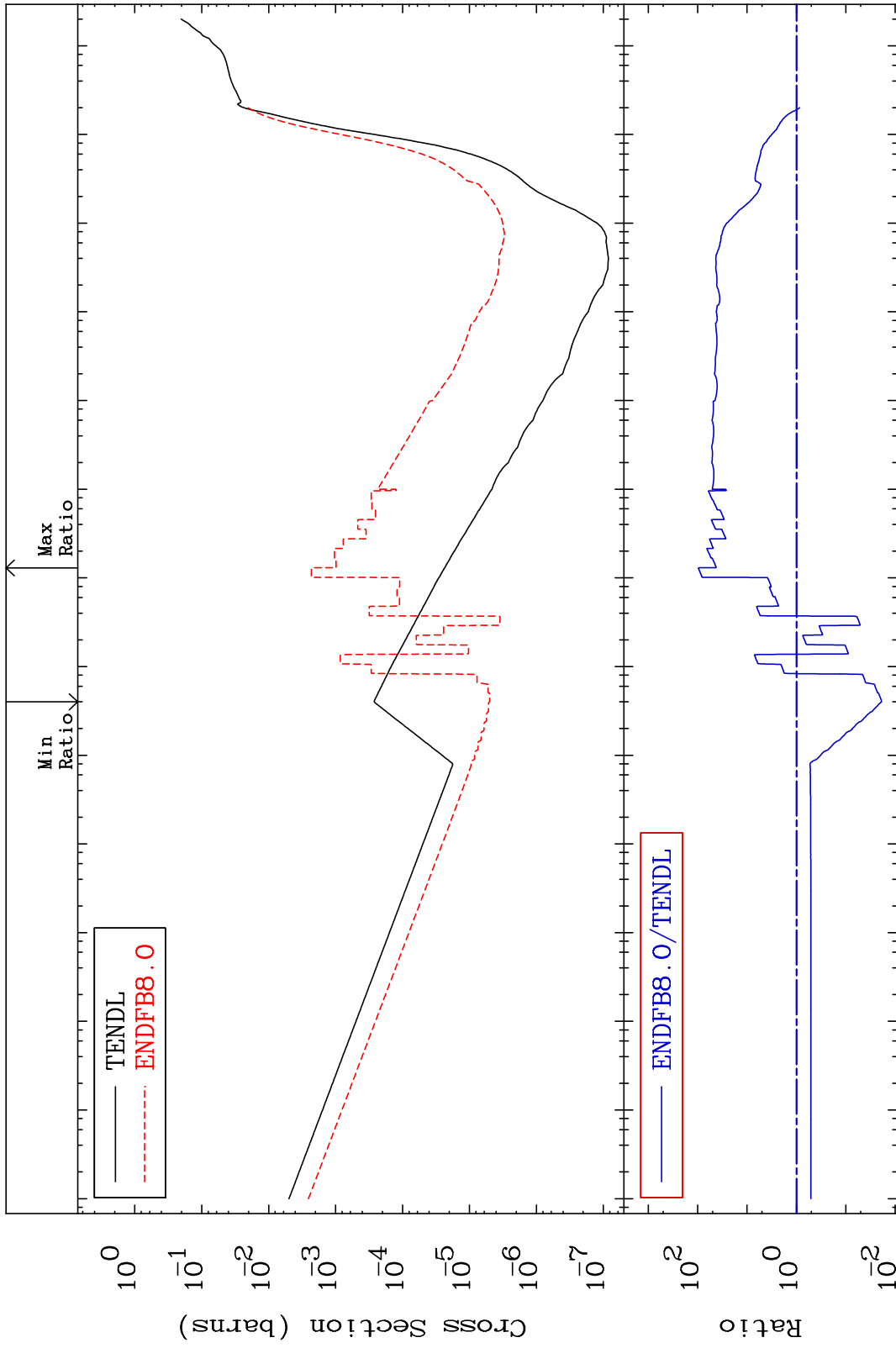
76-Os-187
-100.0 To 849.1 %



MAT 7634

He-4 Production
Cross Section

76-0s-187
-98.11 To 9688. %

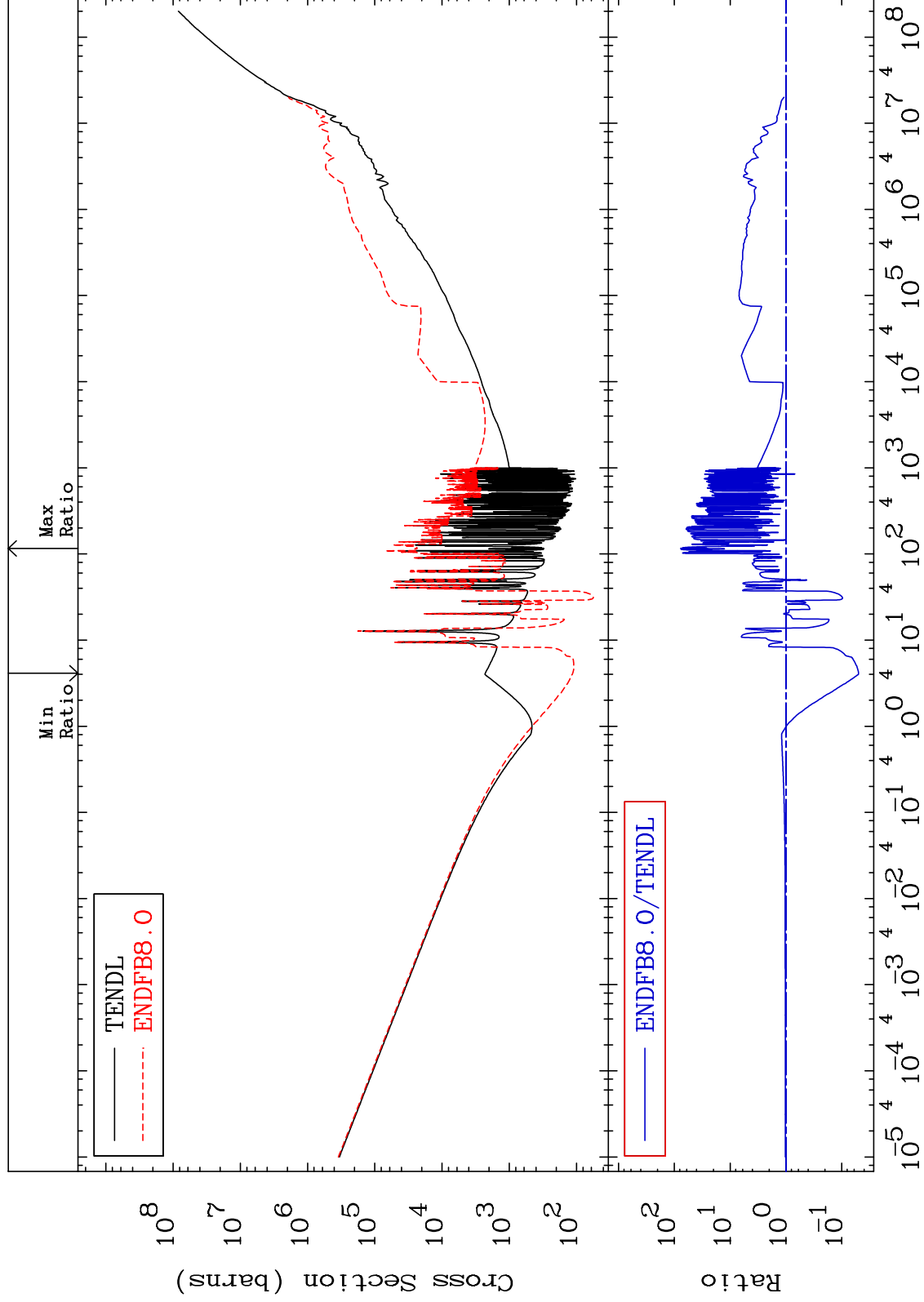


Incident Energy (eV) 76-0s-187

MAT 7634

Kerma total (eV-barns)
Cross Section

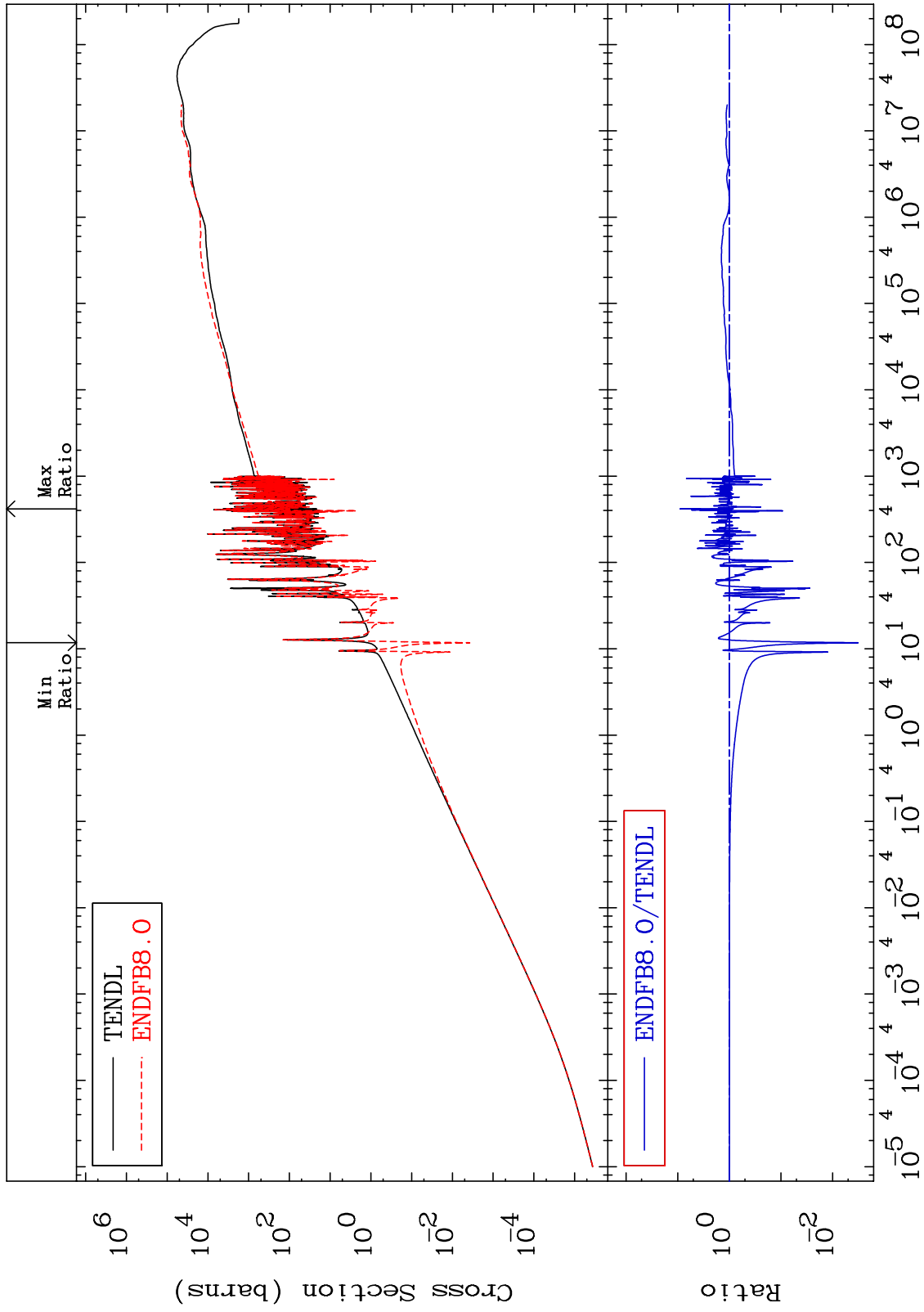
76-0s-187
-94.98 To 7678. %



MAT 7634

Kerma elastic
Cross Section

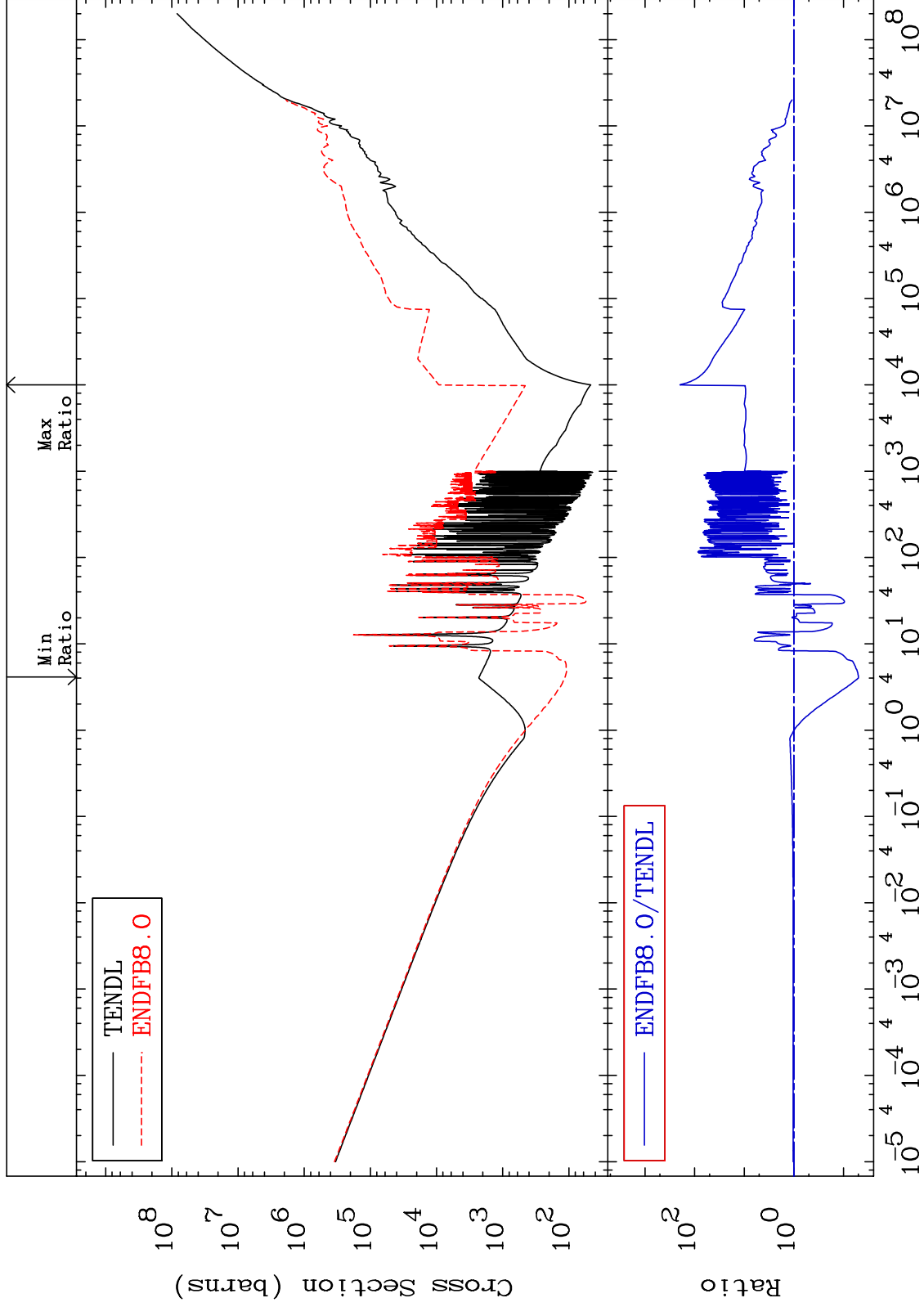
76-0s-187
-99.68 To 801.5 %



MAT 7634

Kerma non-elastic (all but mt2)
Cross Section

76-0s-187
-94.99 To 9999. %



55

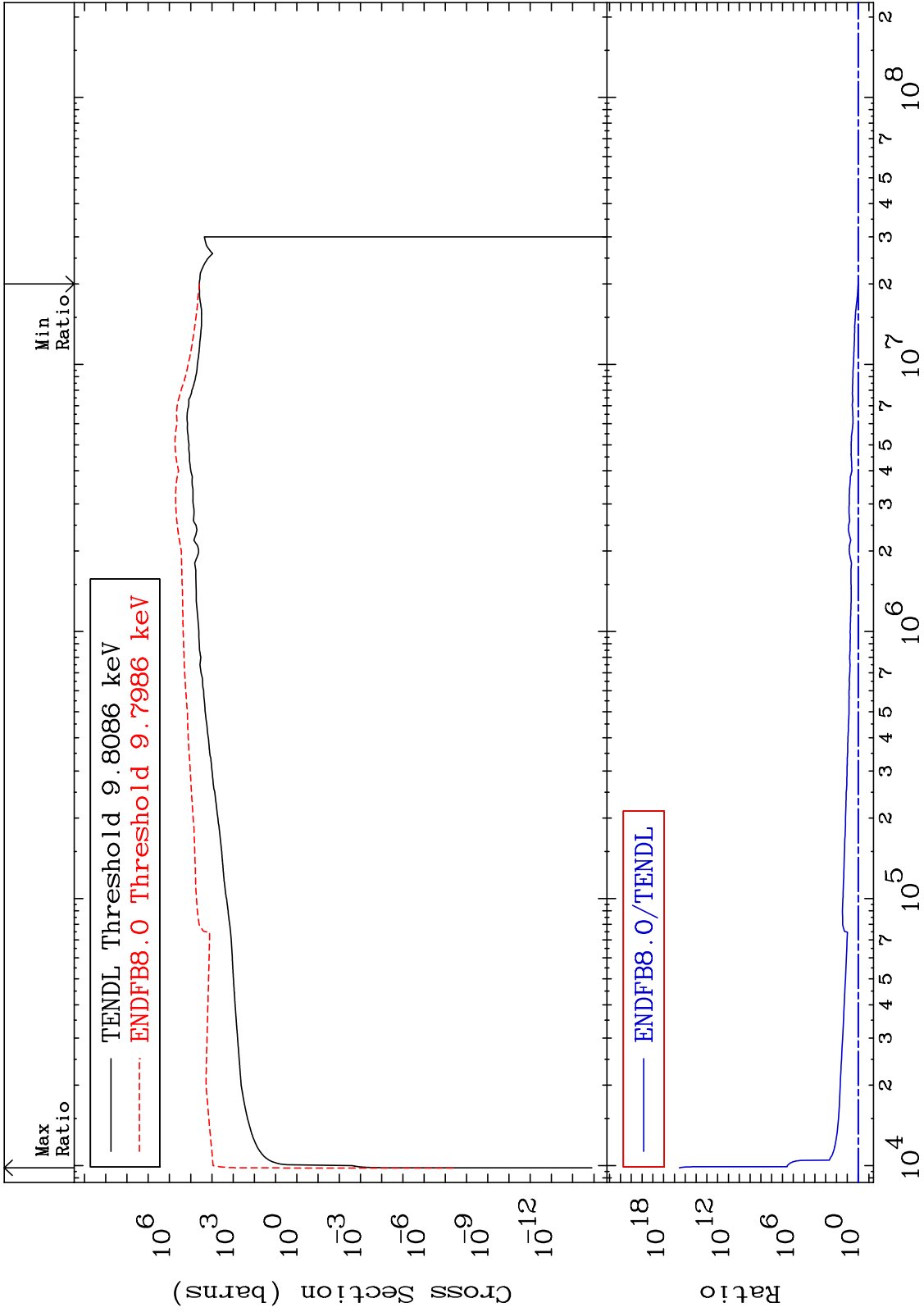
Incident Energy (eV)

76-0s-187

MAT 7634

Kerma inelastic (mt51-91)
Cross Section

76-0s-187
-2.347 To 9999. %



56

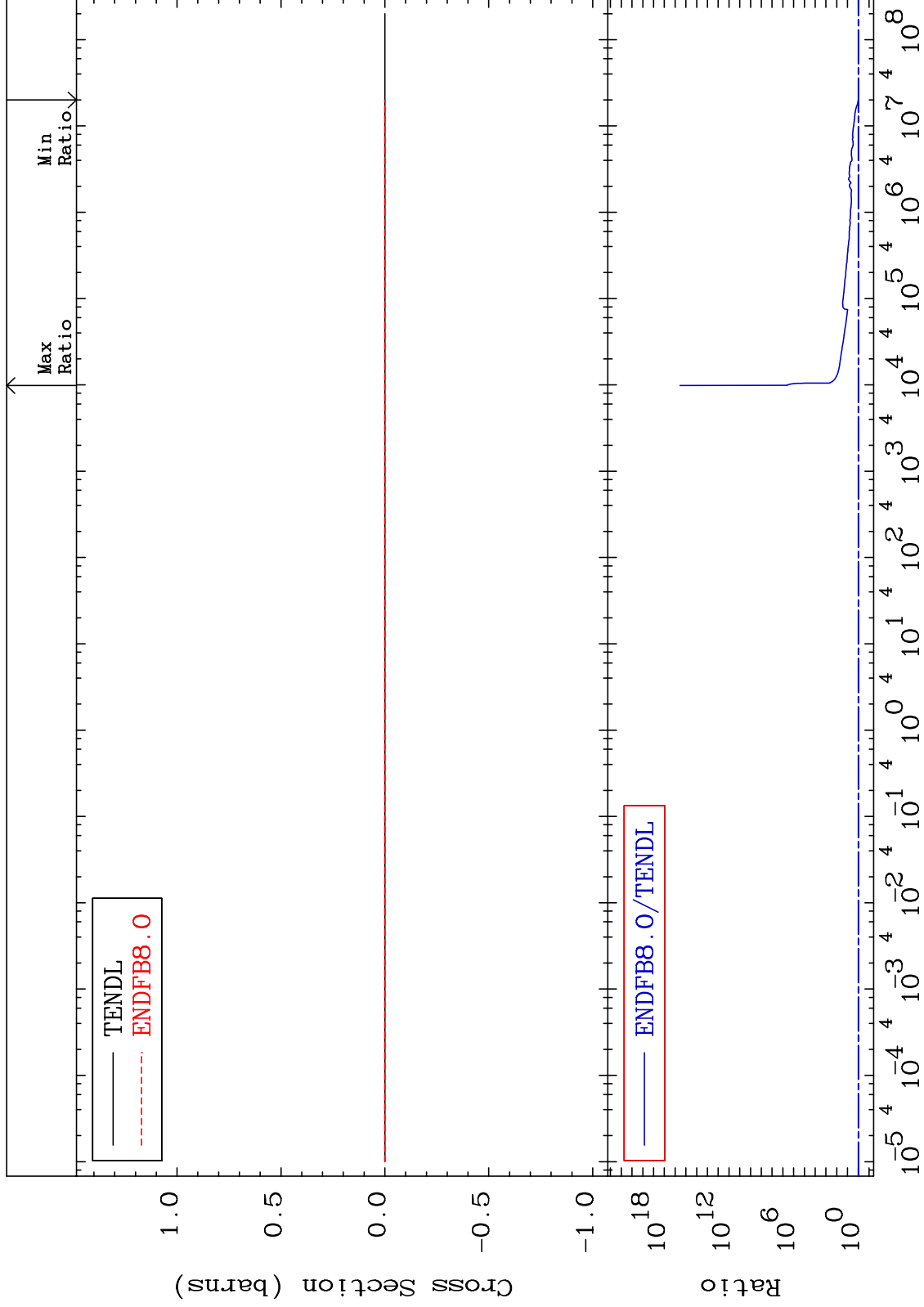
Incident Energy (eV)

76-0s-187

MAT 7634

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

76-0s-187
-2.347 To 9999. %



57

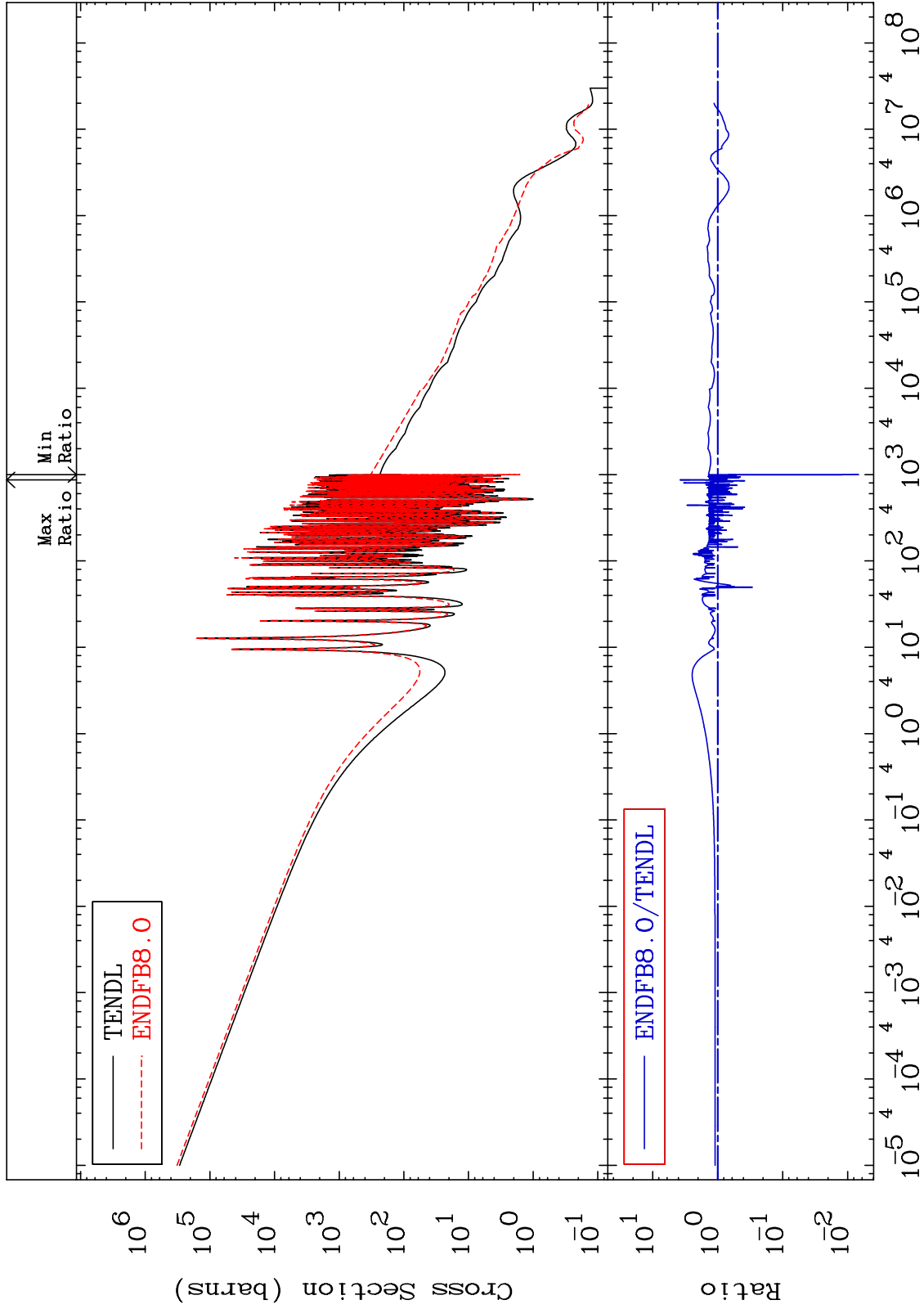
Incident Energy (eV)

76-0s-187

MAT 7634

Kerma capture (mt102)
Cross Section

76-0s-187
-99.32 To 278.6 %



58

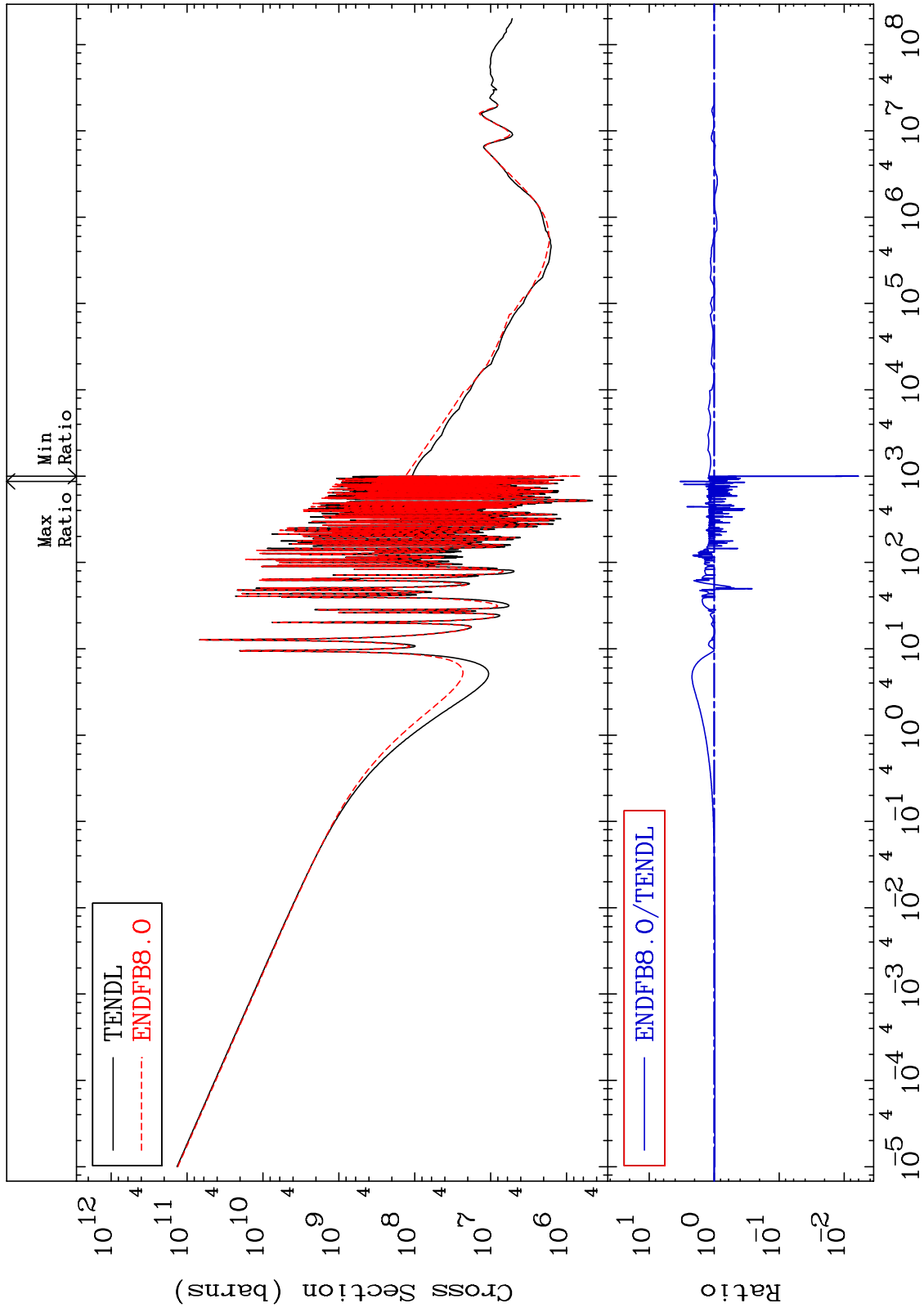
Incident Energy (eV)

76-0s-187

MAT 7634

Total photon (eV-barns)
Cross Section

76-0s-187
-99.40 To 235.9 %



59

76-0s-187

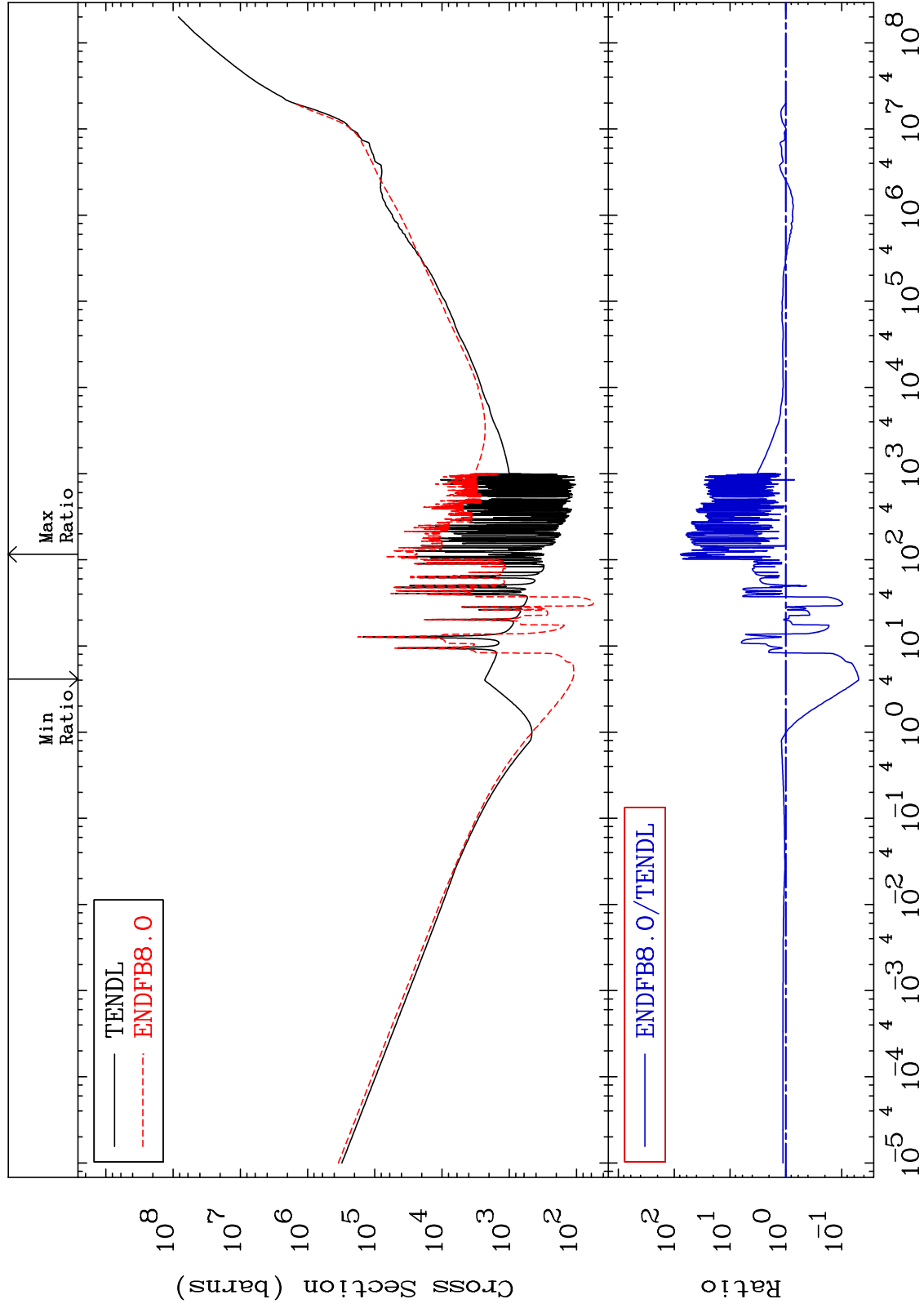
MAT 7634

Total kinematic kerma (high limit)

76-0s-187

-95.02 To 7637. %

Cross Section



60

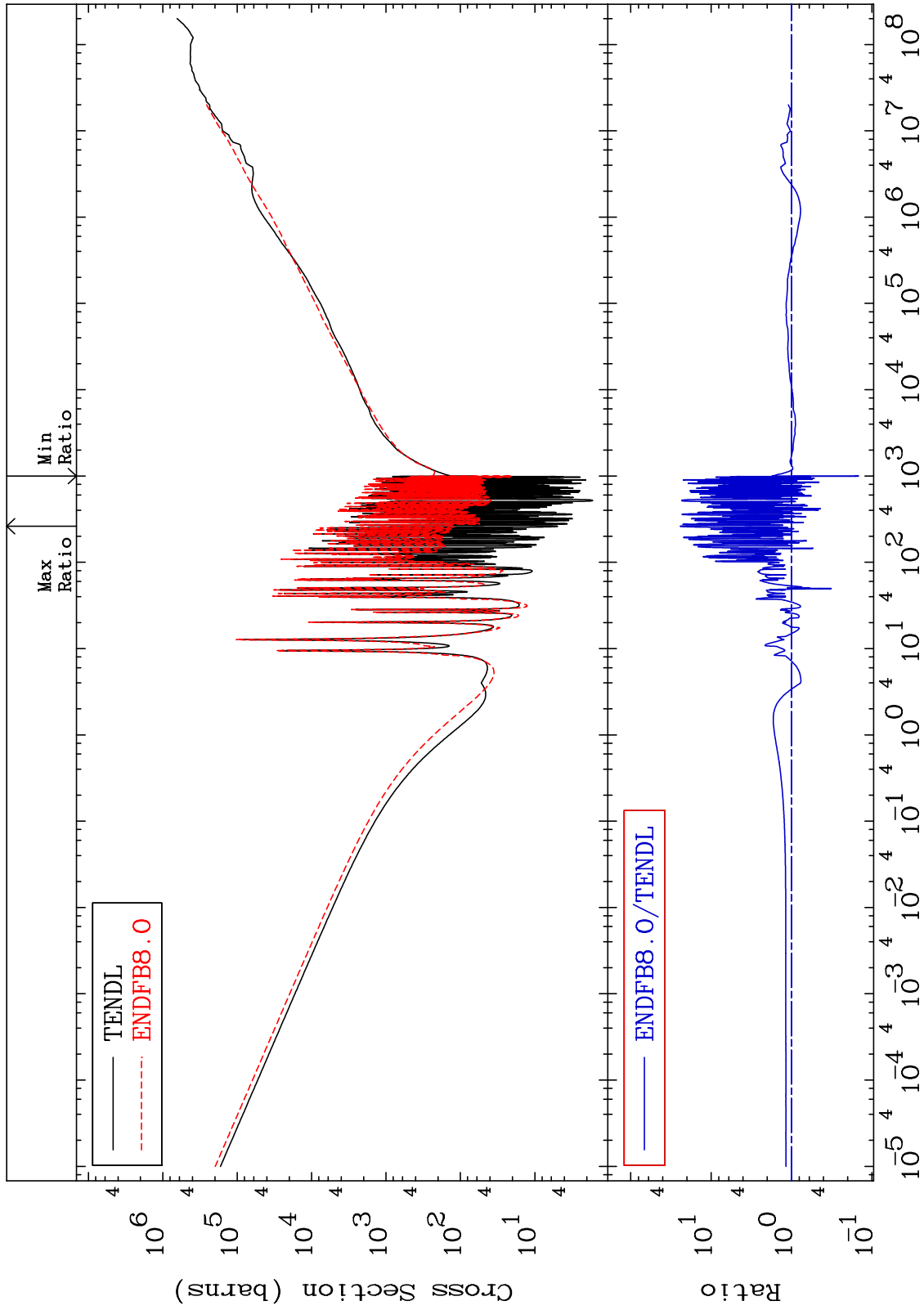
Incident Energy (eV)

76-0s-187

MAT 7634

Dpa total (eV-barns)
Cross Section

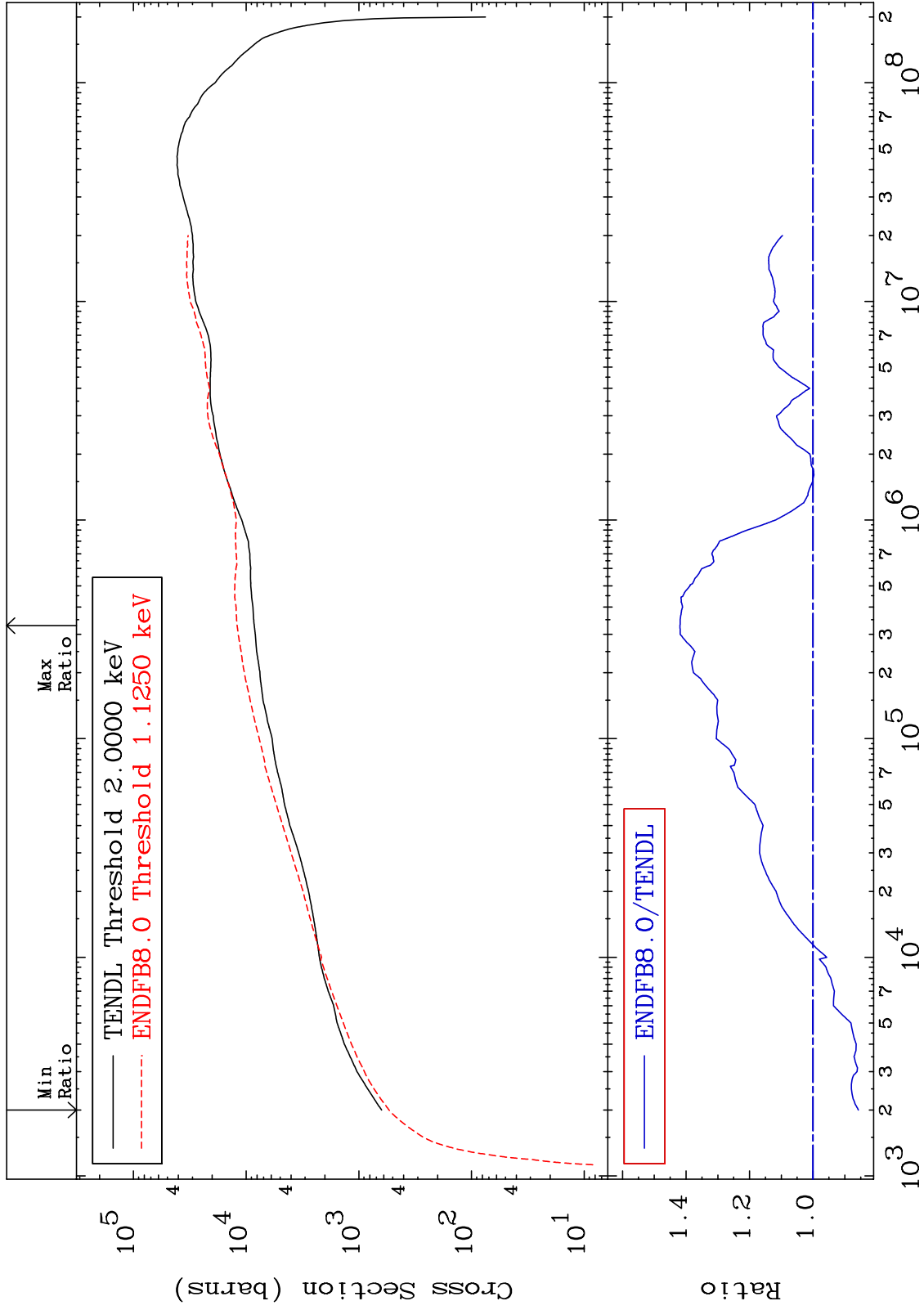
76-0s-187
-85.30 To 2334. %



MAT 7634

Dpa elastic (mt2)
Cross Section

76-0s-187
-14.29 To 41.91 %



62

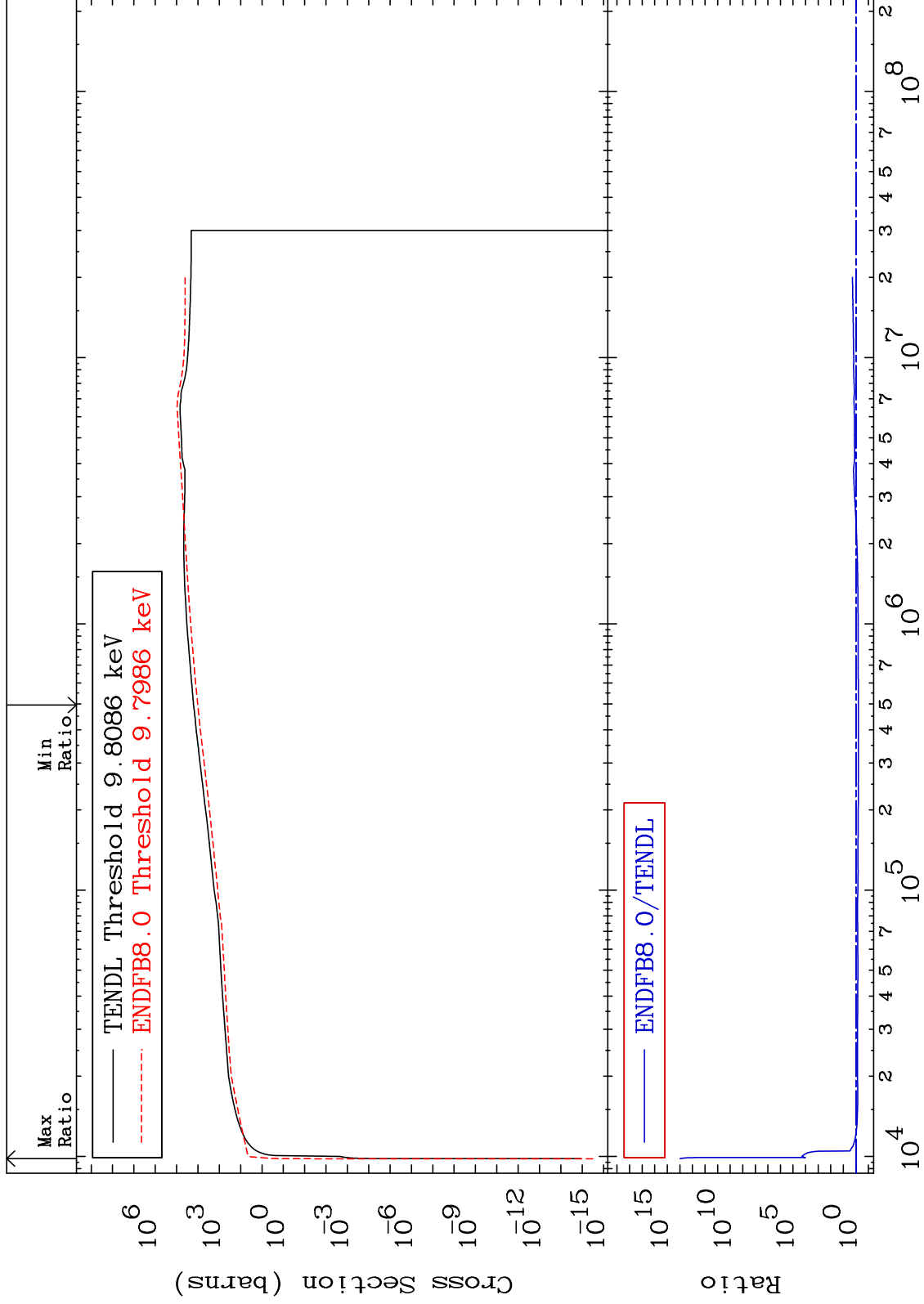
Incident Energy (eV)

76-0s-187

MAT 7634

Dpa inelastic (mt51-91)
Cross Section

76-0s-187
-36.81 To 9999. %



63

76-0s-187

MAT 7634

Dpa disappearance (mt102 -120)
Cross Section

76-0s-187
-85.30 To 2334. %

