

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](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

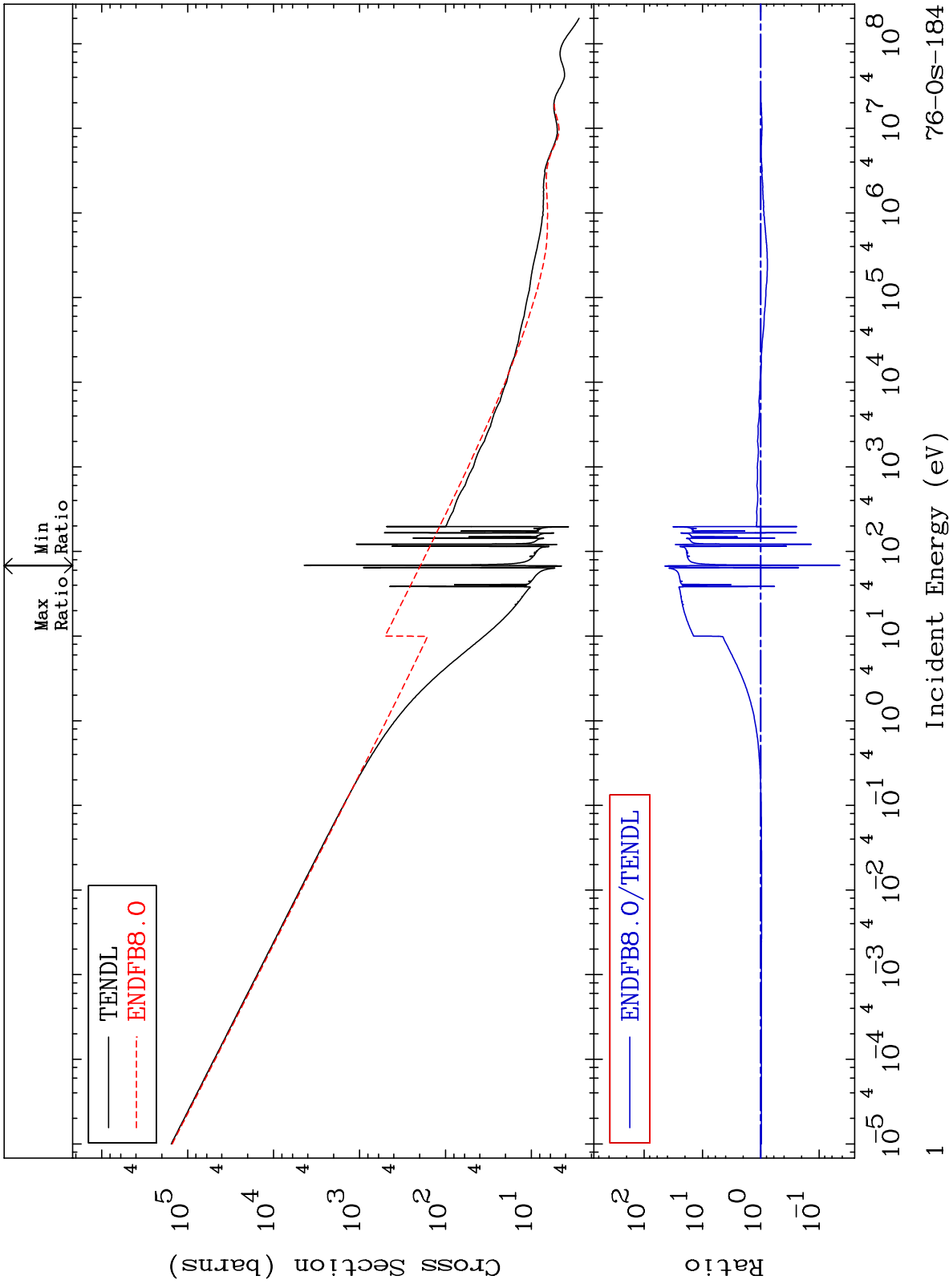
Press Mouse Button to Start

MAT 7625

76-0s-184

-95.58 To 4334. %

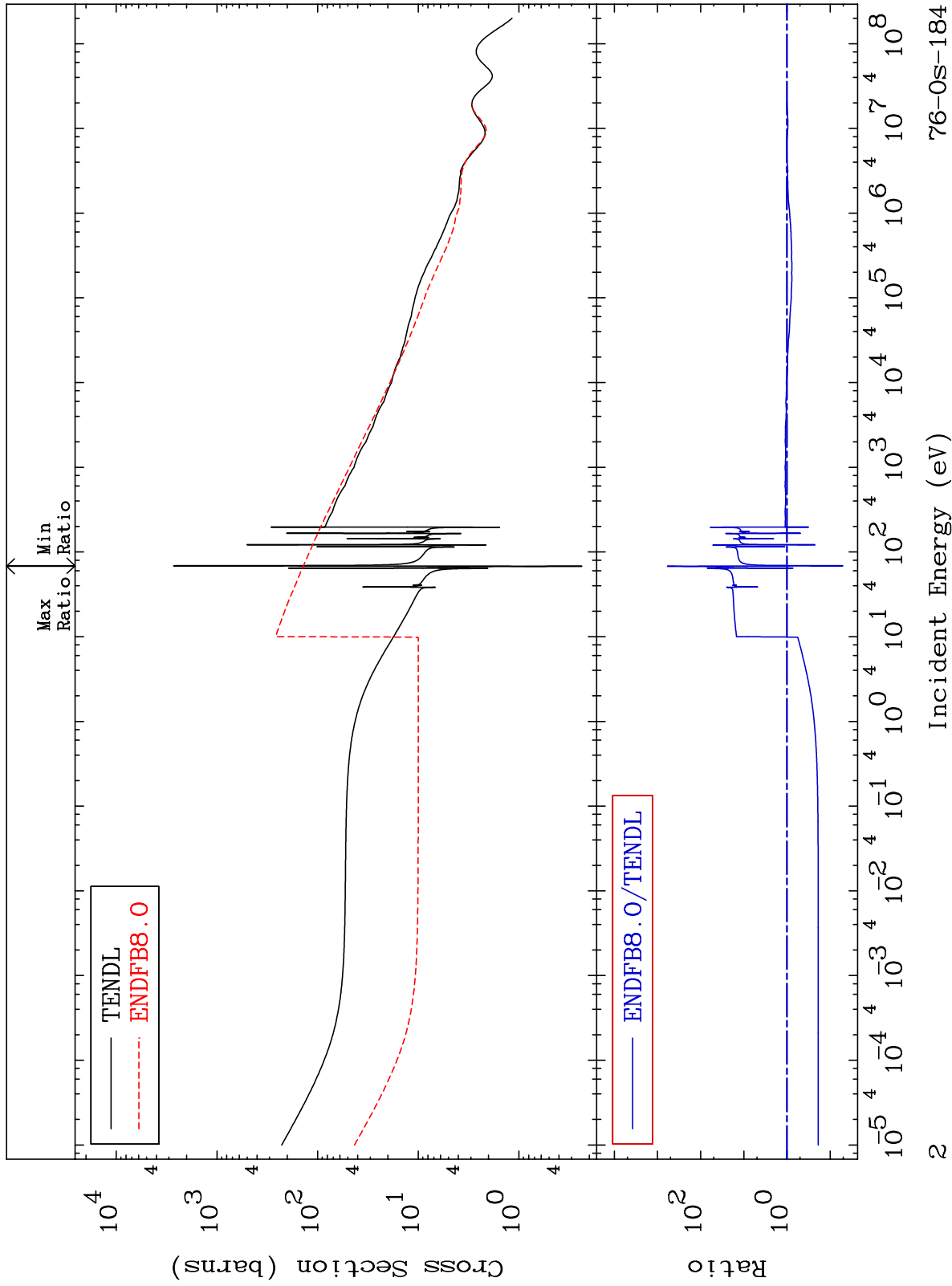
Total  
Cross Section



76-0s-184

MAT 7625

Elastic Cross Section  
76-0s-184  
-94.85 To 9999. %



76-0s-184

Incident Energy (eV)

MAT 7625

76-0s-184

-48.84 To 0.975 %

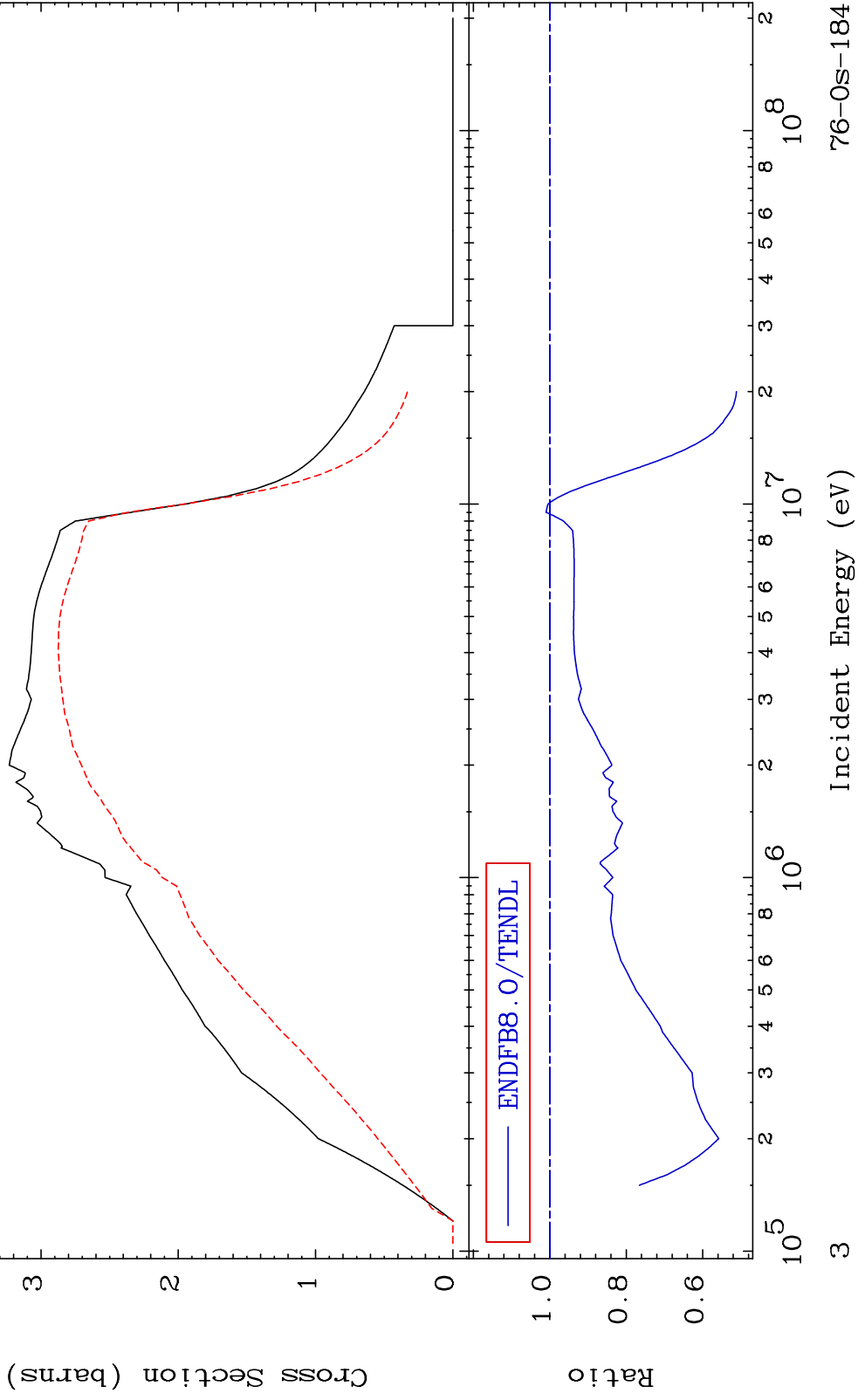
Inelastic  
Cross Section

Max  
Ratio

Min  
Ratio

— TENDL Threshold 120.43 keV  
- - - ENDFB8.0 Threshold 105.00 keV

— ENDFB8.0/TENDL



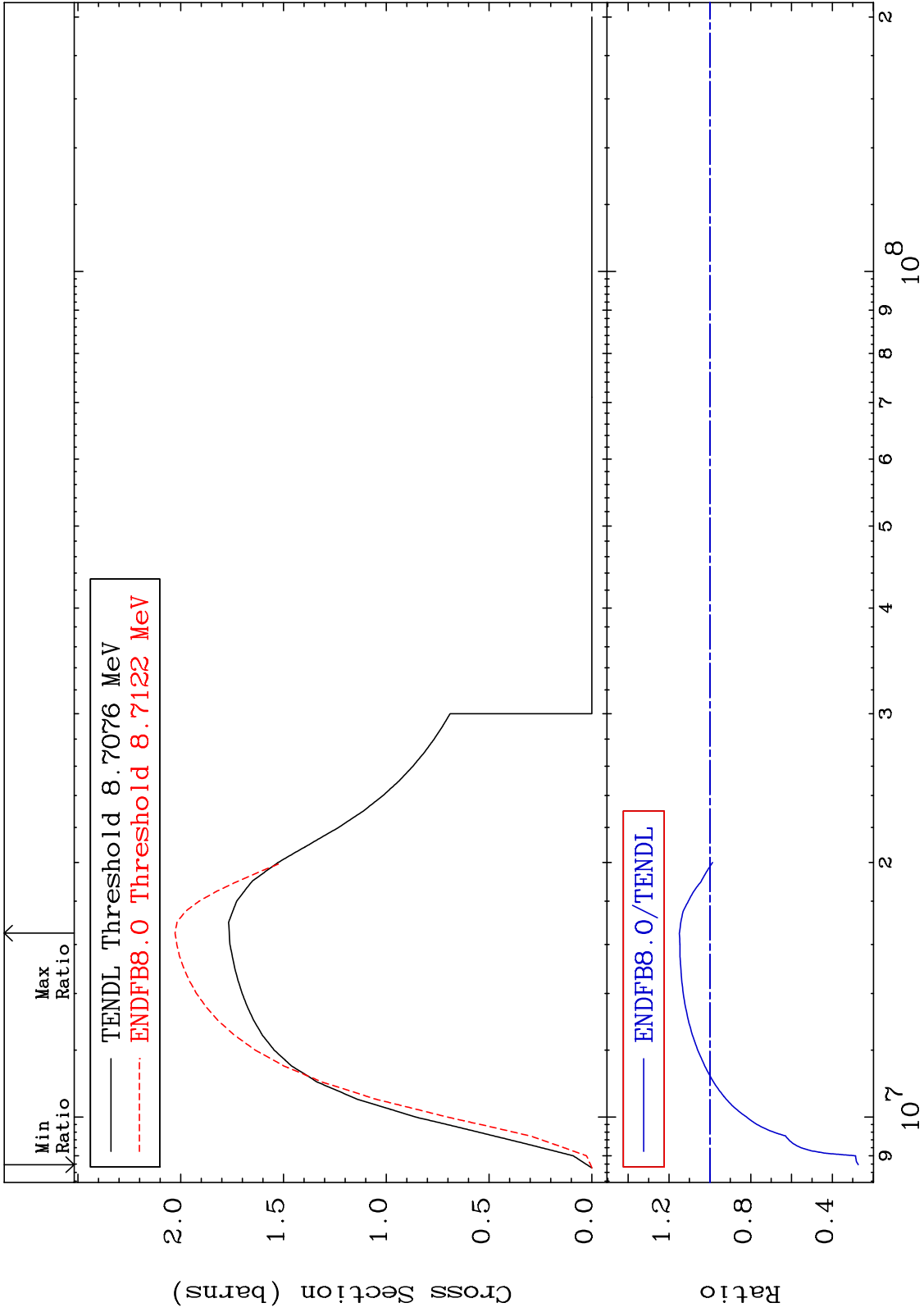
MAT 7625

(n,2n)

76-0s-184

Cross Section

-72.65 To 14.95 %



4

Incident Energy (eV)

76-0s-184

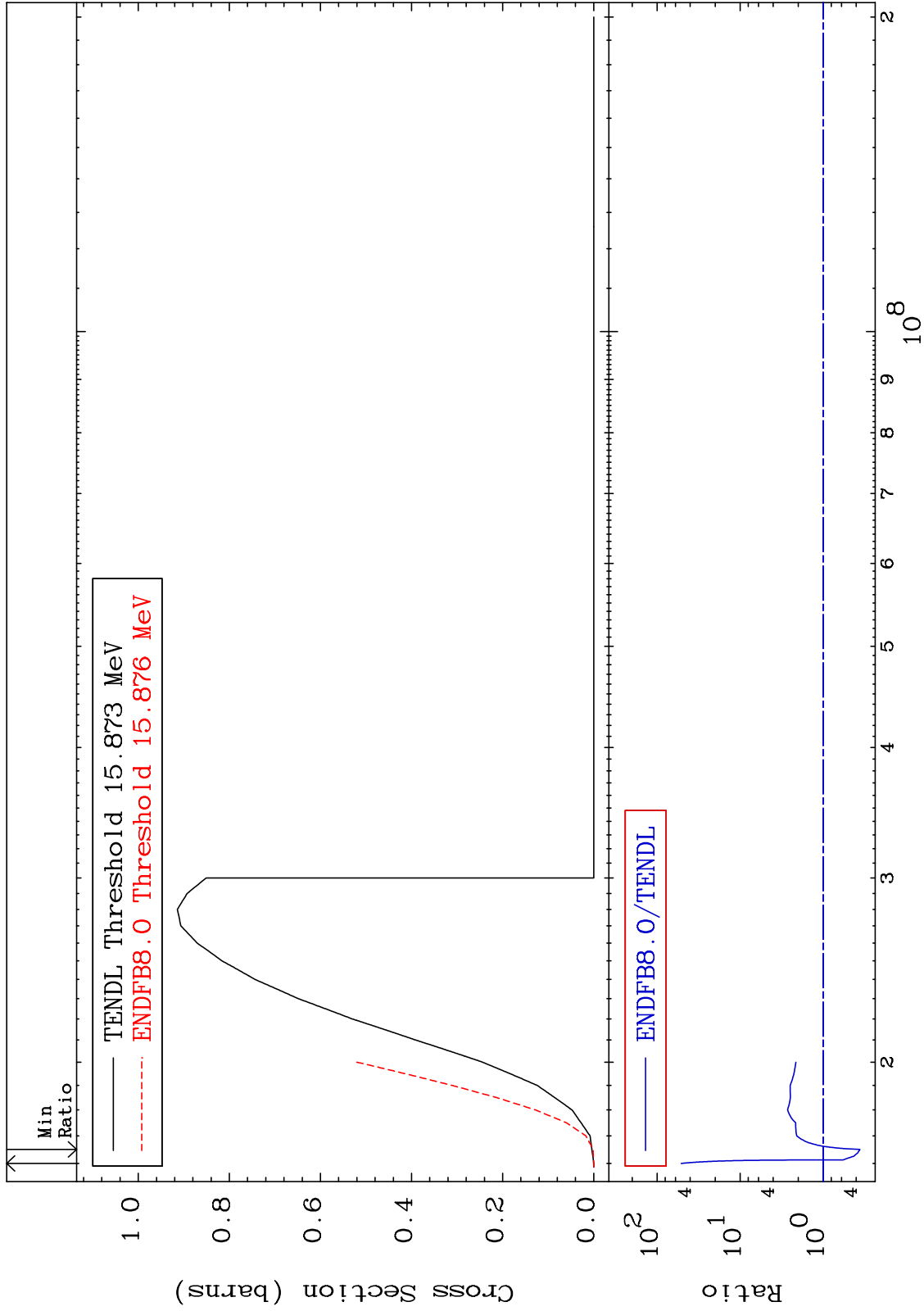
MAT 7625

(n, 3n)

76-0s-184

Cross Section

-63.87 To 5025. %



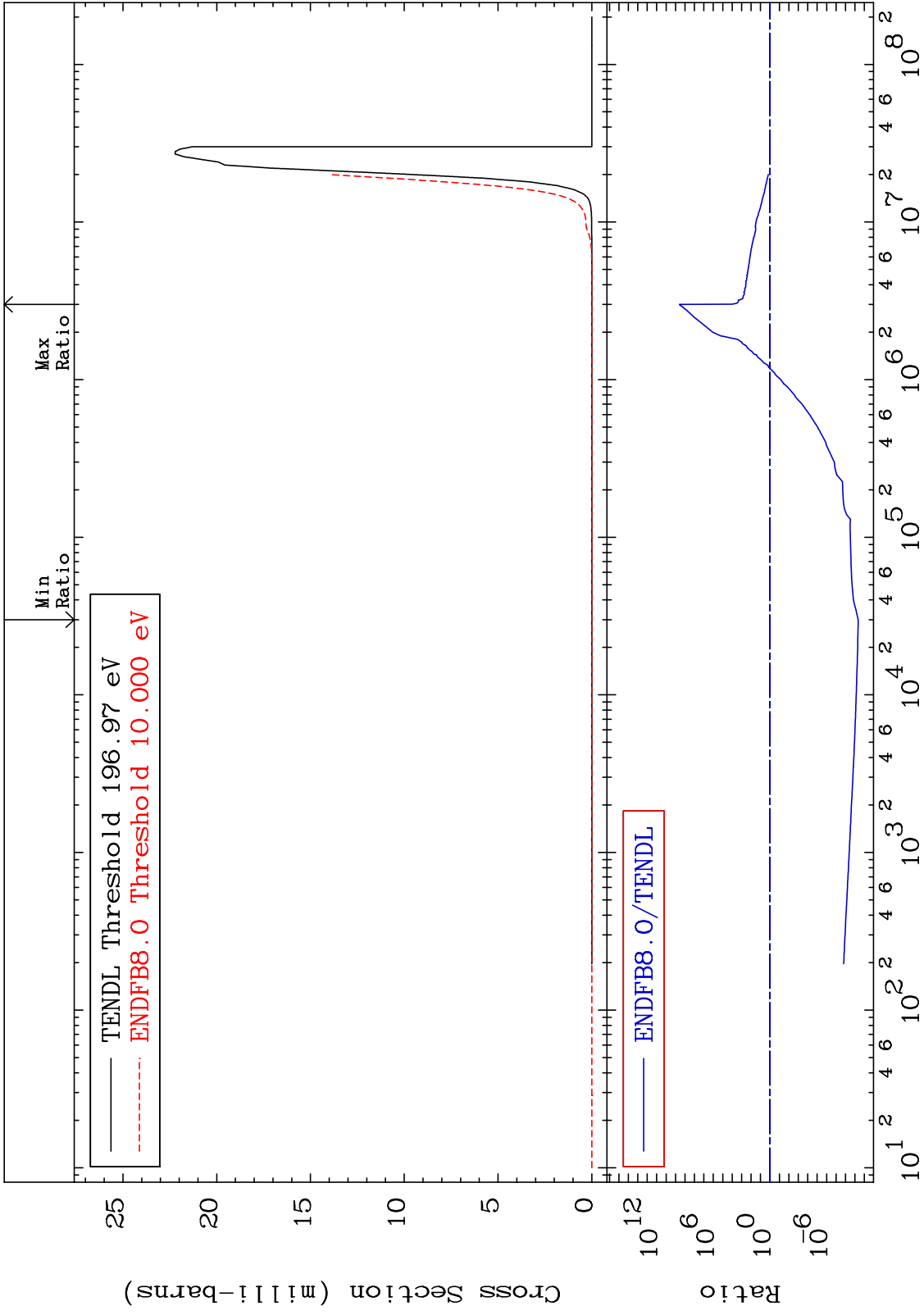
MAT 7625

(n, n')  $\alpha$

76-0s-184

Cross Section

-100.0 To 9999. %



6

Incident Energy (eV)

76-0s-184

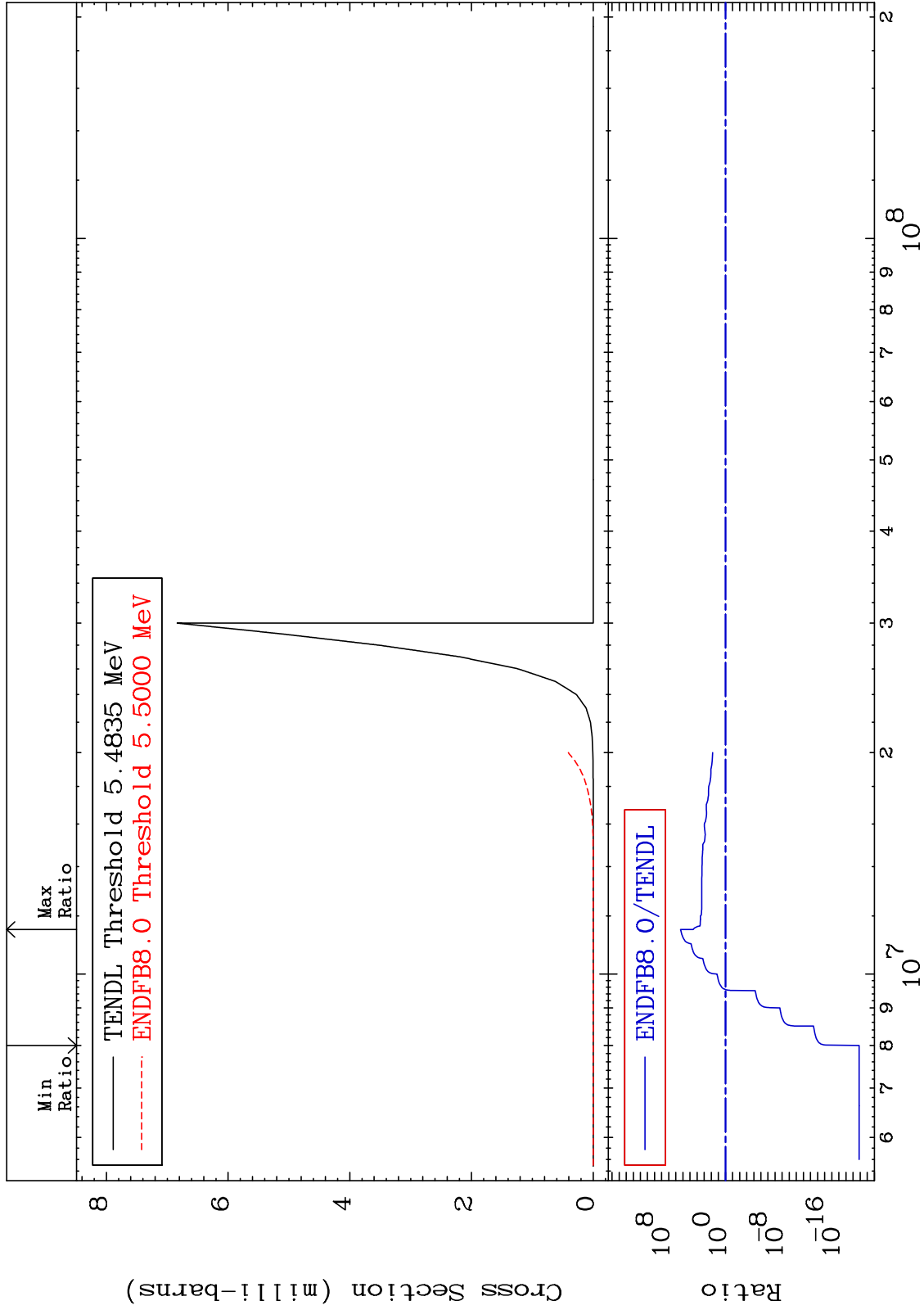
MAT 7625

(n,2n)  $\alpha$

76-0s-184

Cross Section

-100.0 To 9999. %

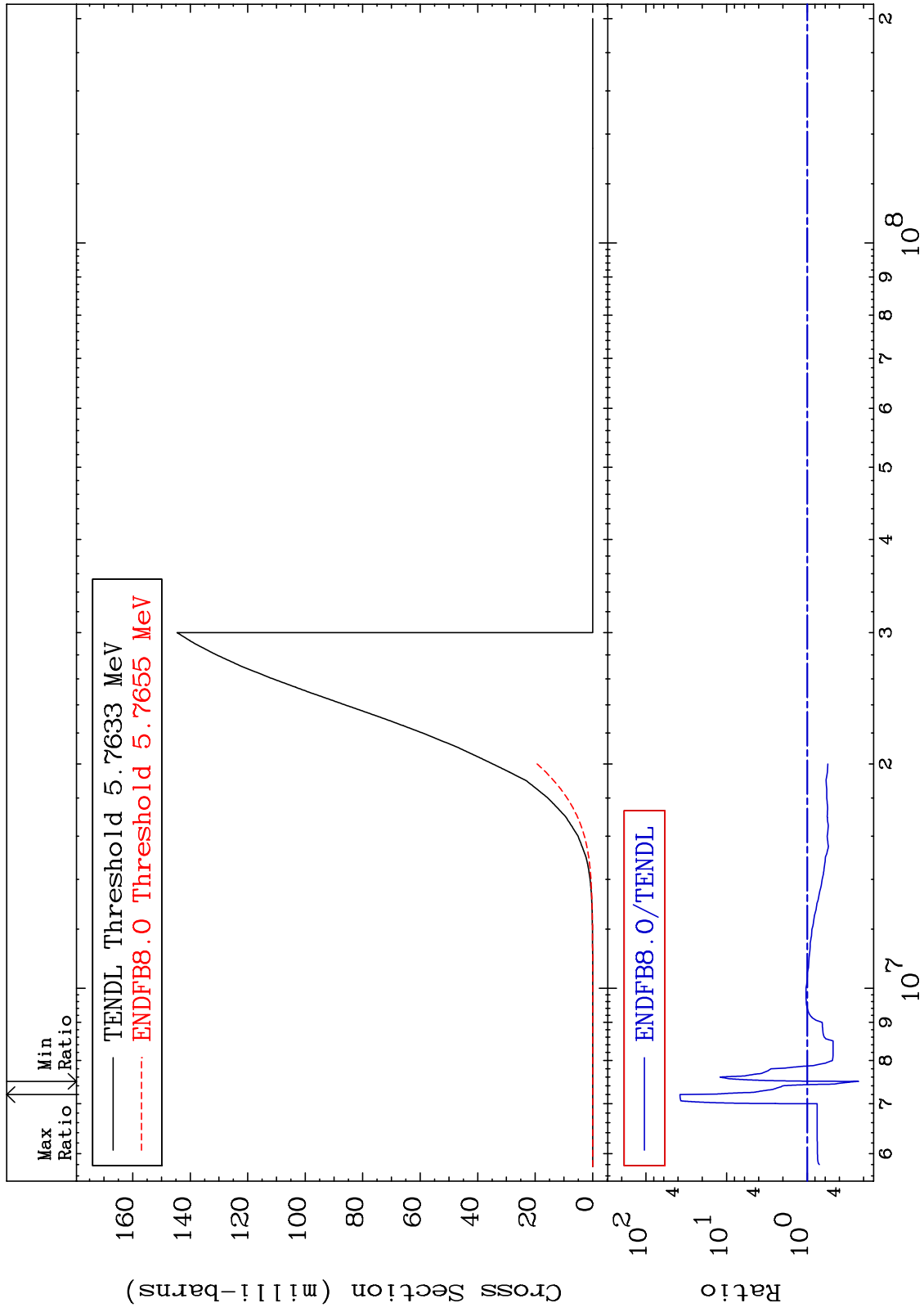




MAT 7625

(n,n') p  
Cross Section

76-0s-184  
-76.80 To 3676. %



8

Incident Energy (eV)

76-0s-184

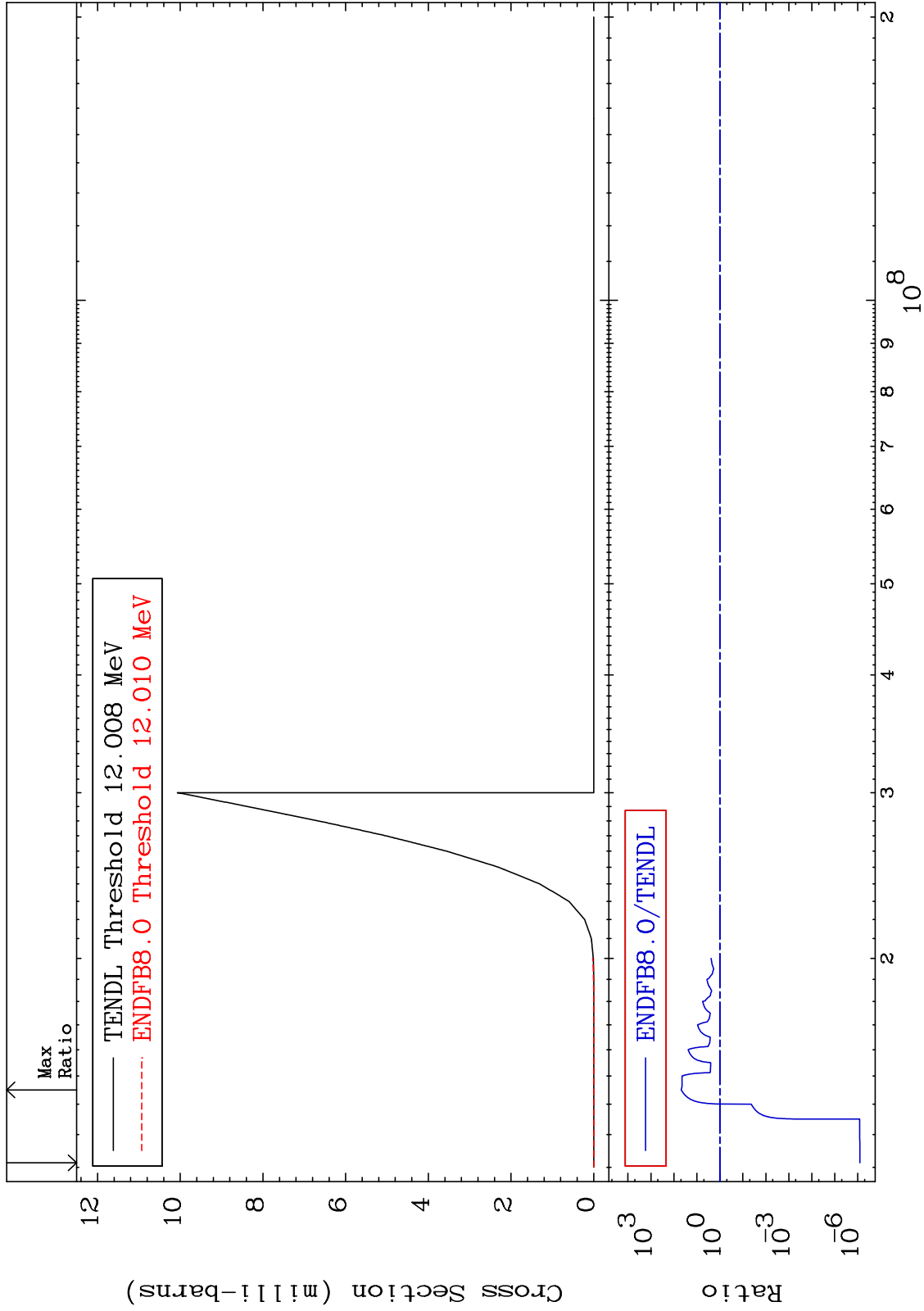
MAT 7625

(n,n') d

76-Os-184

Cross Section

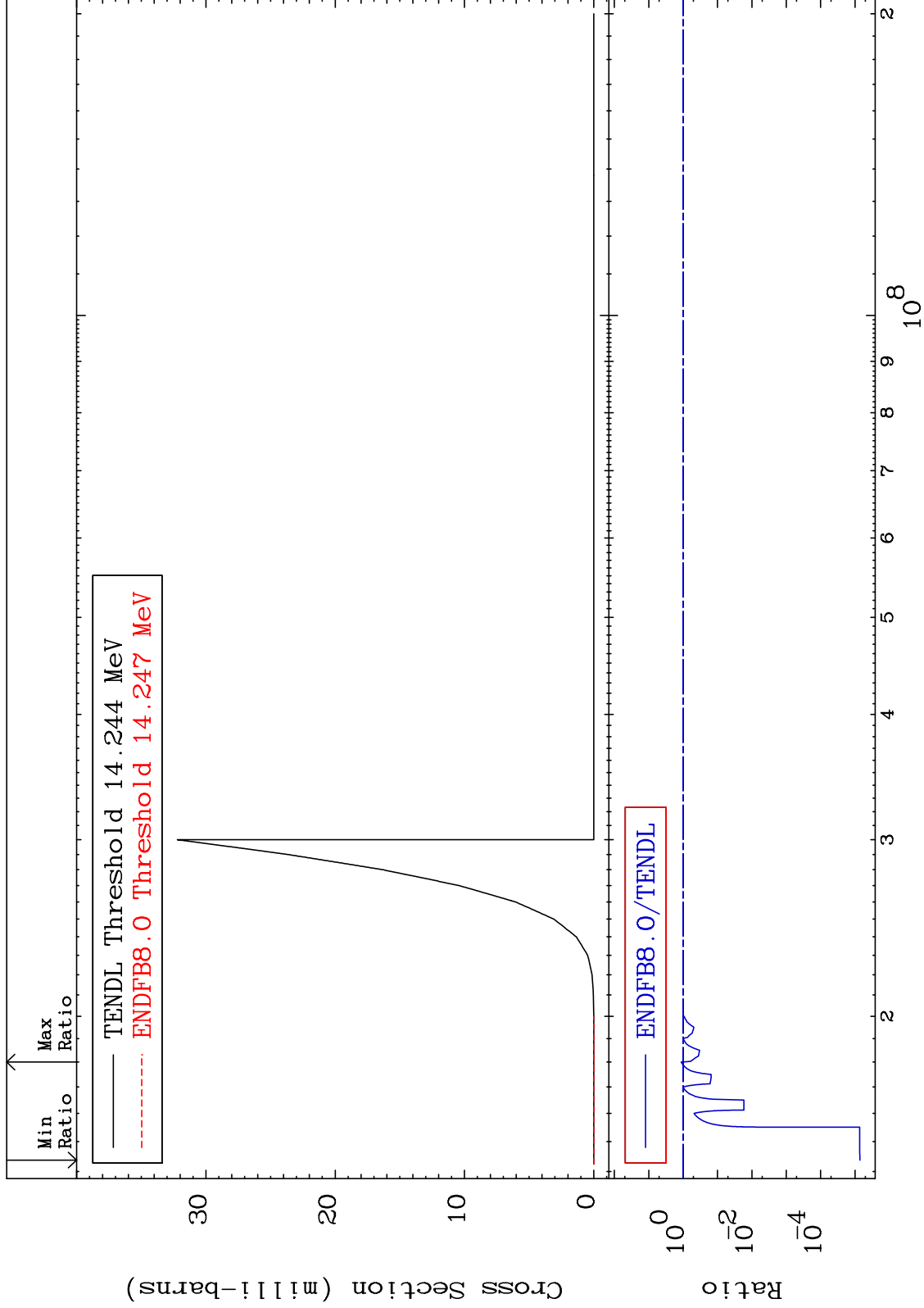
-100.0 To 4707. %



MAT 7625

(n,2n) p  
Cross Section

76-0s-184  
-100.0 To 13.35 %



10

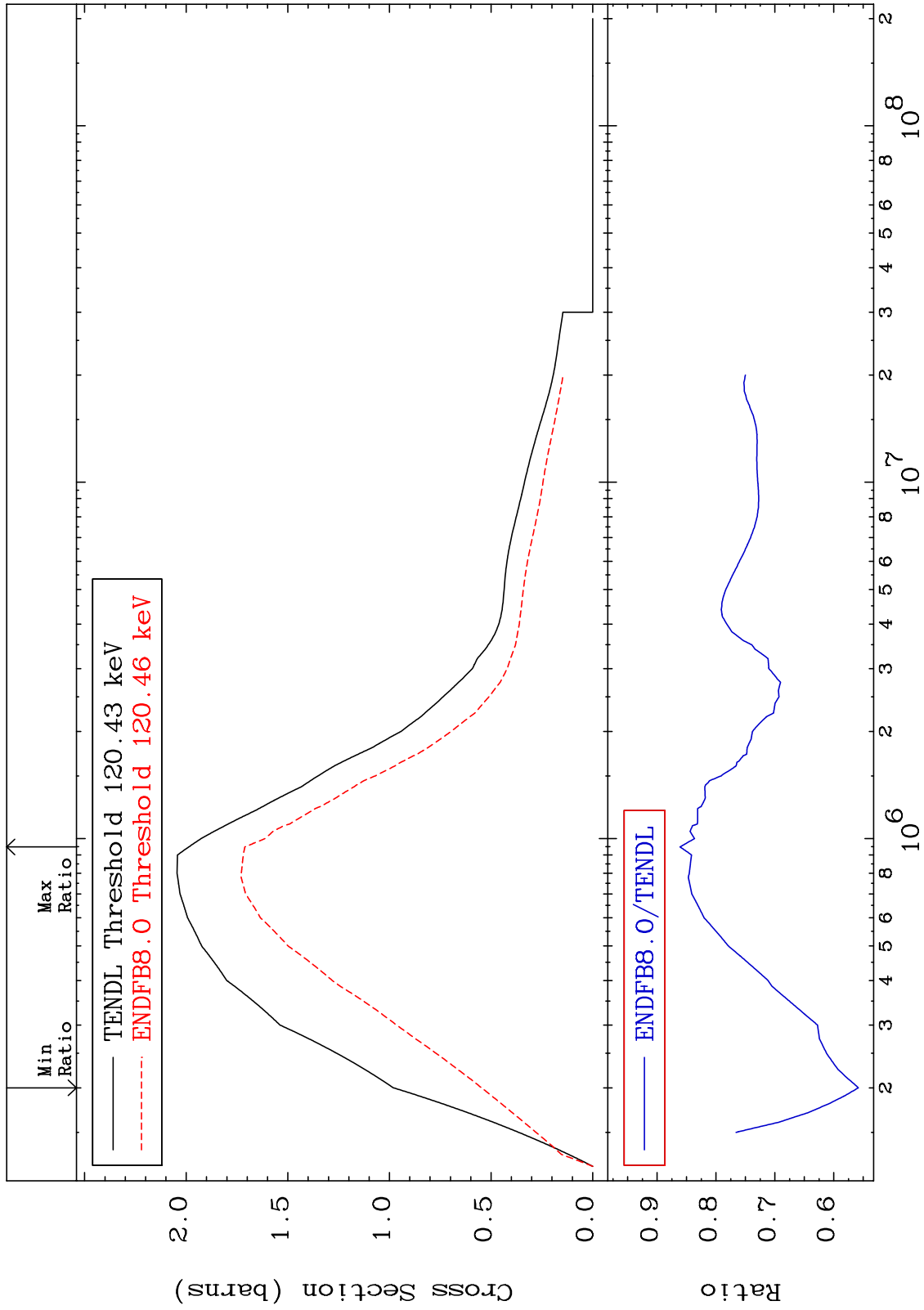
Incident Energy (eV)

76-0s-184

MAT 7625

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

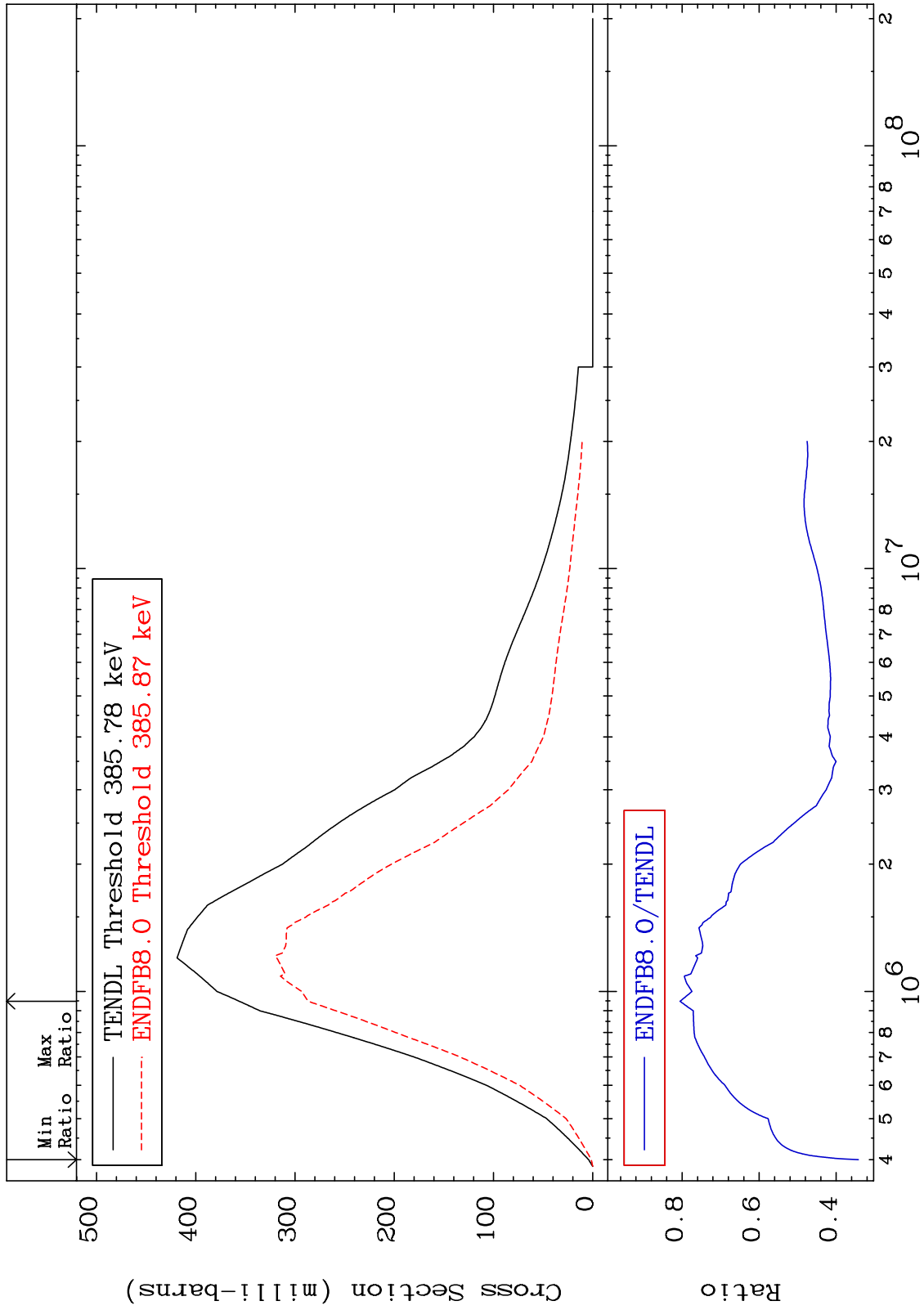
76-0s-184  
-44.19 To -13.89%



MAT 7625

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

76-0s-184  
-65.76 To -19.44%



12

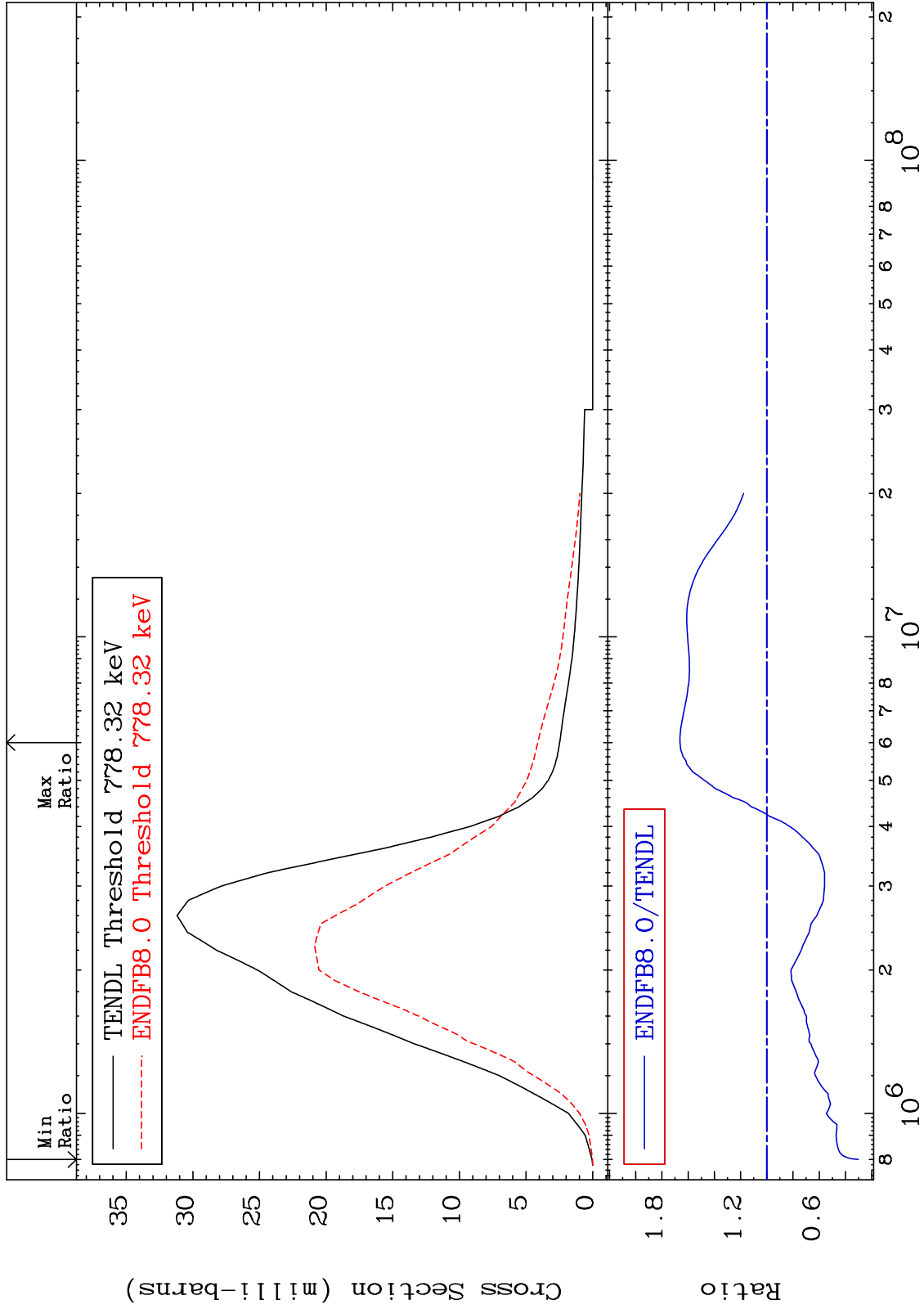
Incident Energy (eV)

76-0s-184

MAT 7625

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

76-0s-184  
-69.88 To 66.20 %



13

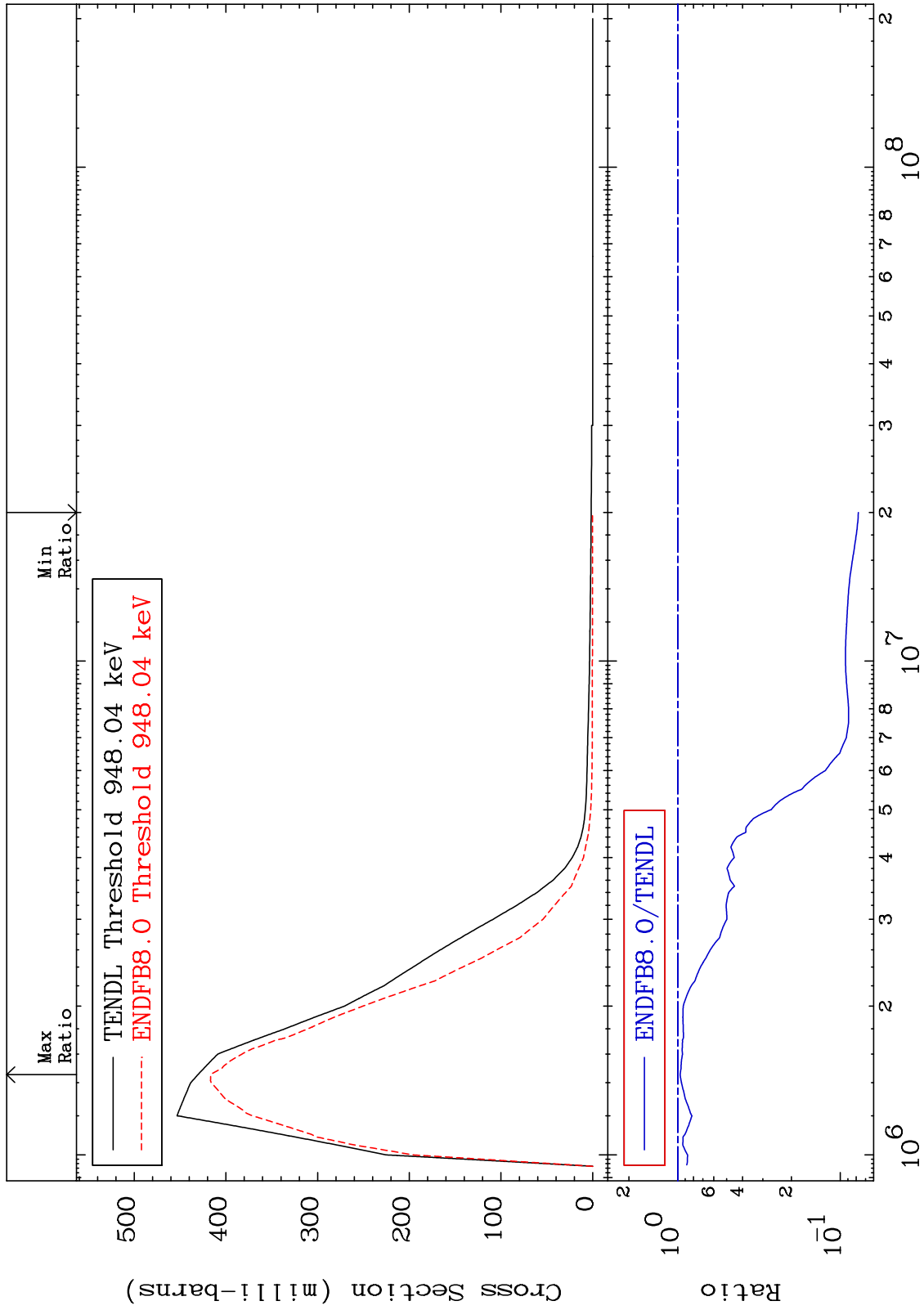
Incident Energy (eV)

76-0s-184

MAT 7625

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

76-0s-184  
-92.26 To -3.155%



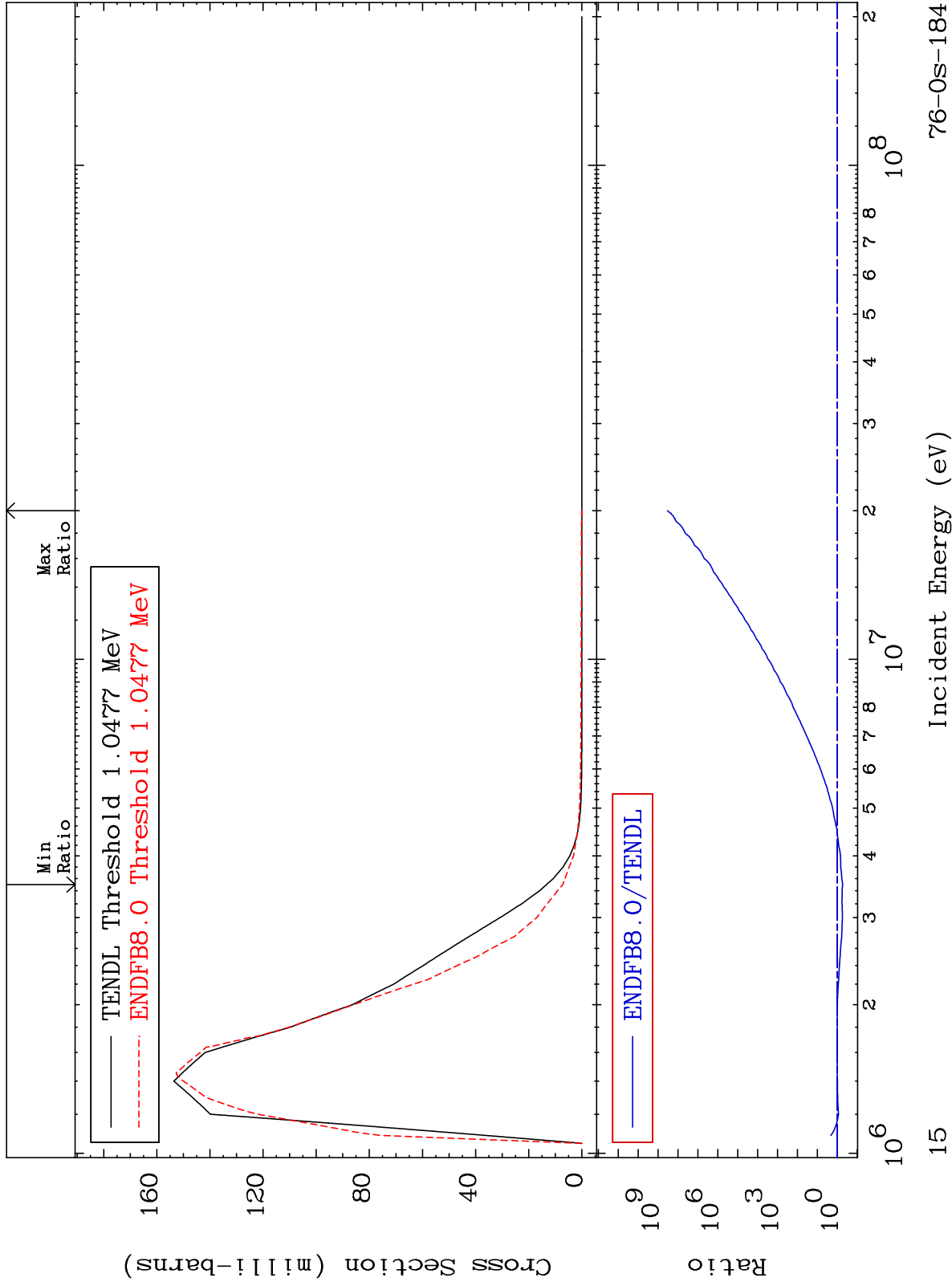
14

76-0s-184

MAT 7625

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

76-0s-184  
-46.19 To 9999. %



76-0s-184

Incident Energy (eV)

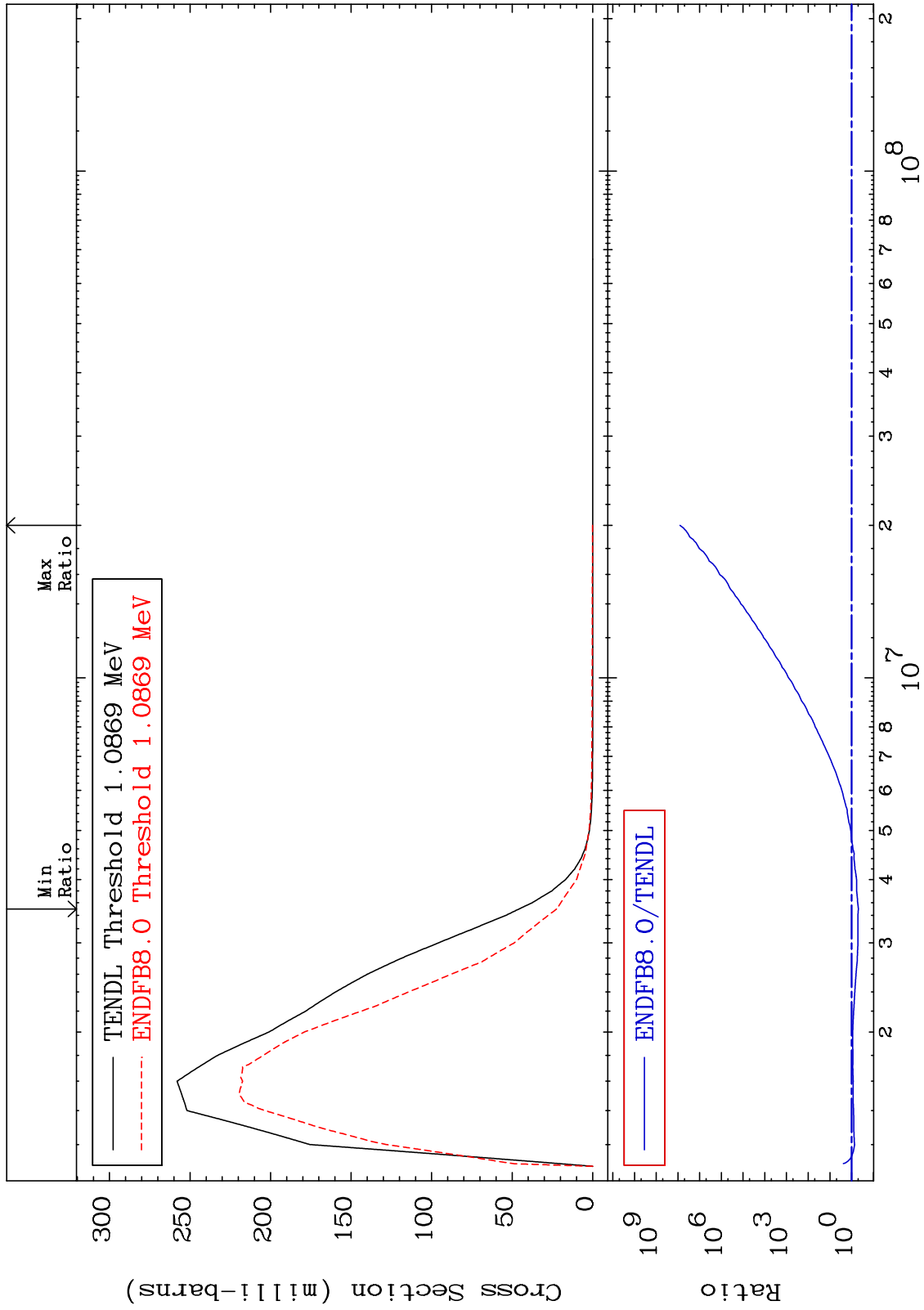
15



MAT 7625

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

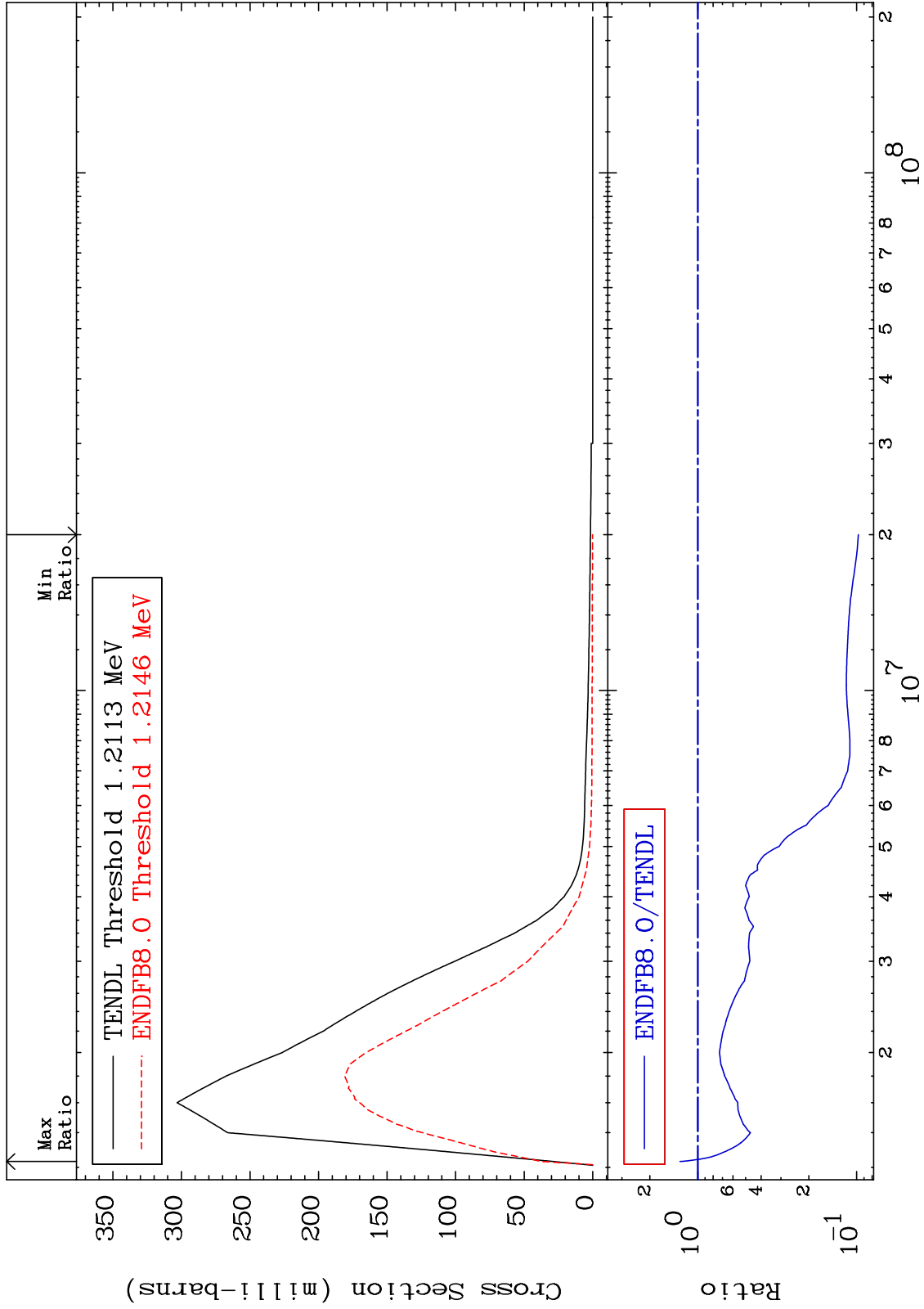
76-0s-184  
-51.26 To 9999. %



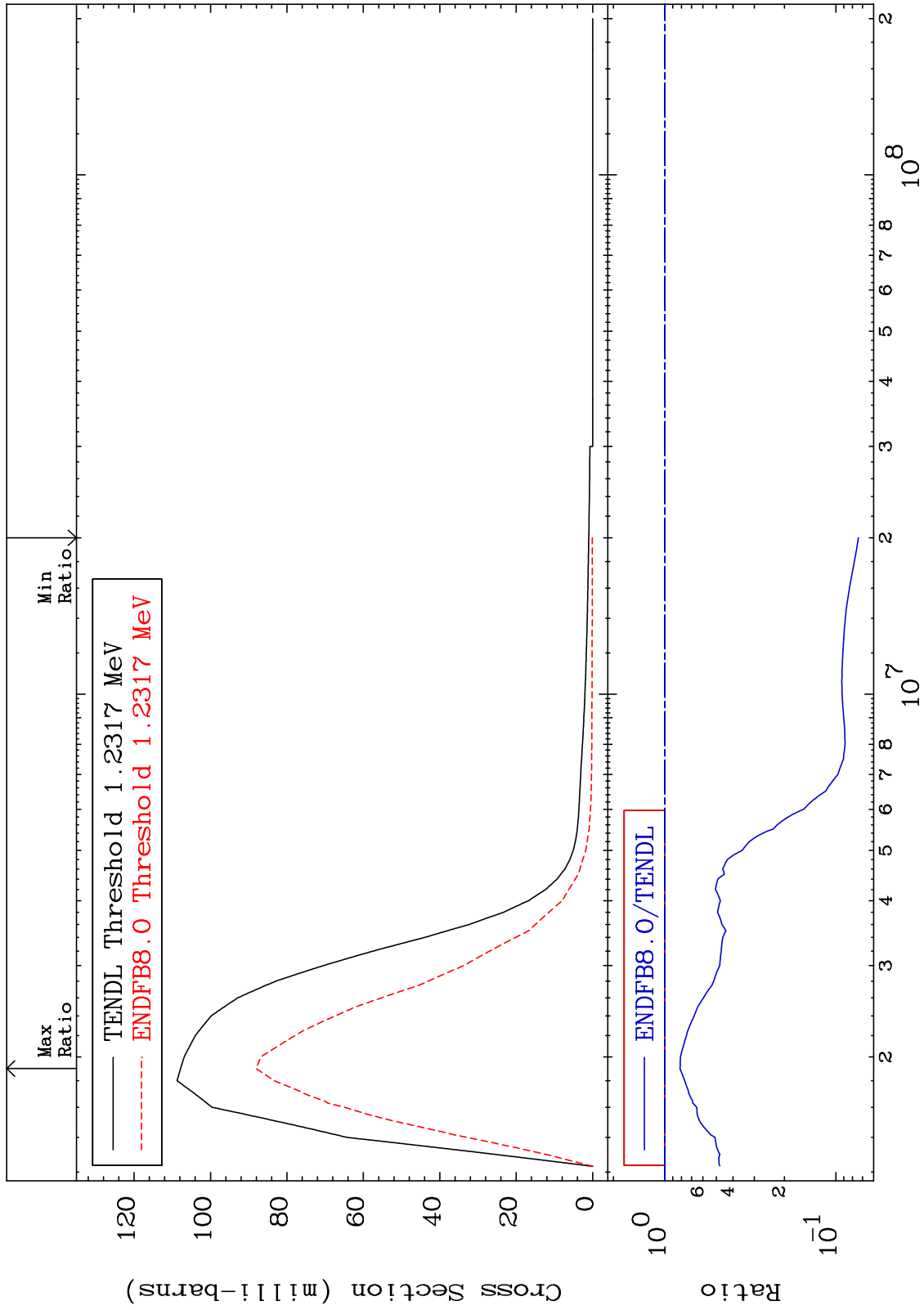
MAT 7625

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

76-0s-184  
-90.24 To 29.29 %



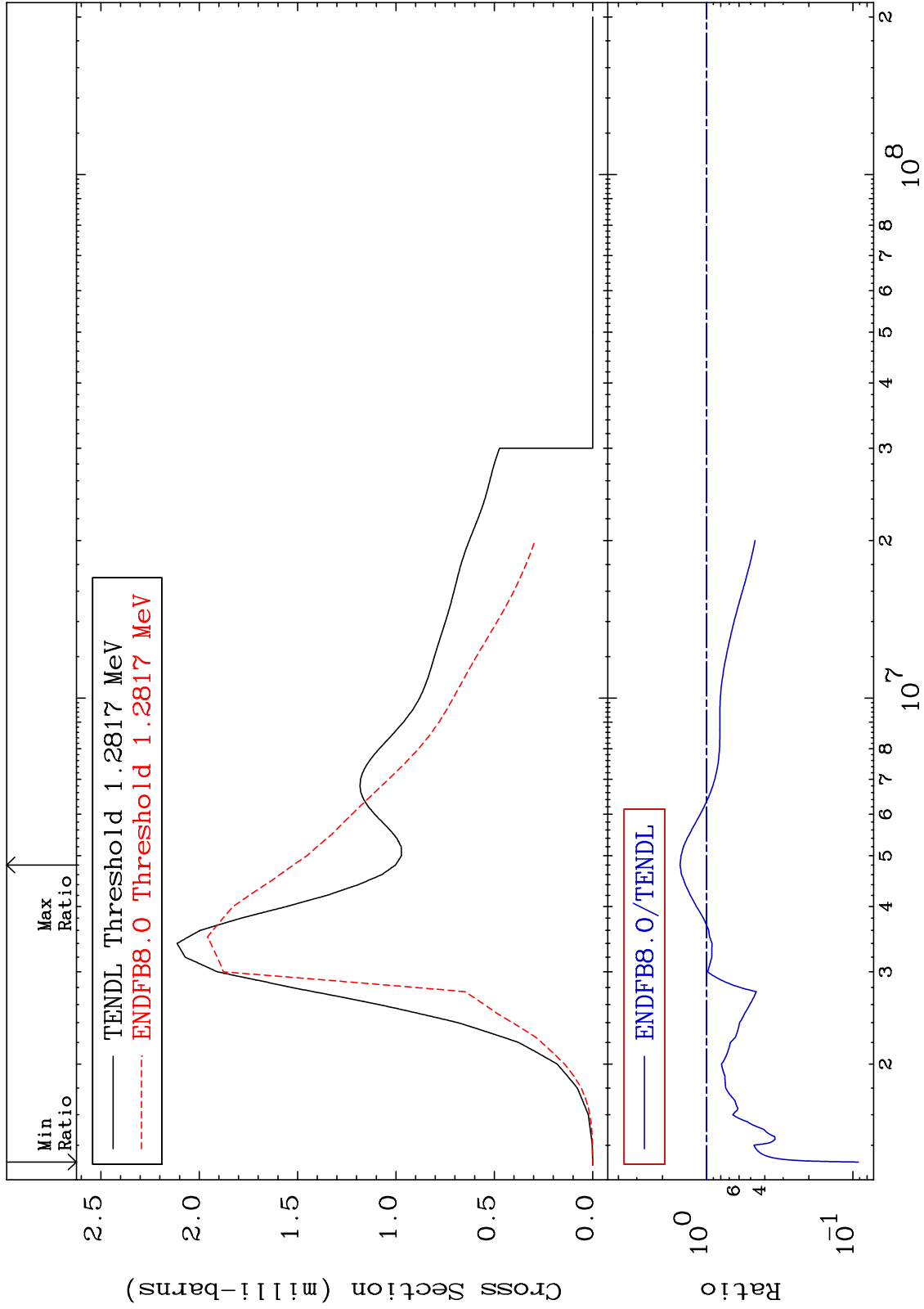
MAT 7625 MT= 58 (n,n') Level Cross Section 76-0s-184  
 -92.61 To -18.33%



MAT 7625

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

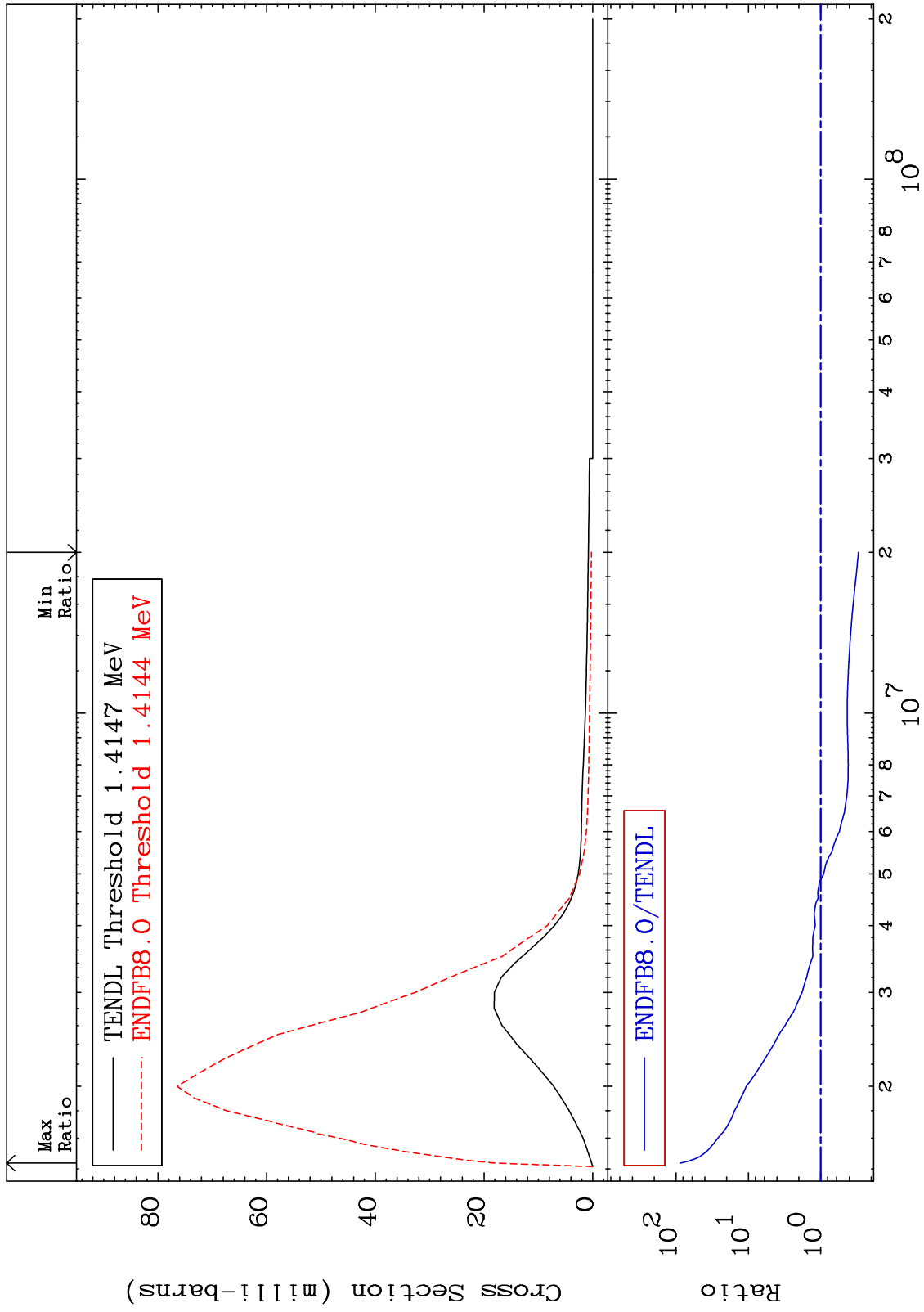
76-0s-184  
-90.83 To 51.86 %



MAT 7625

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

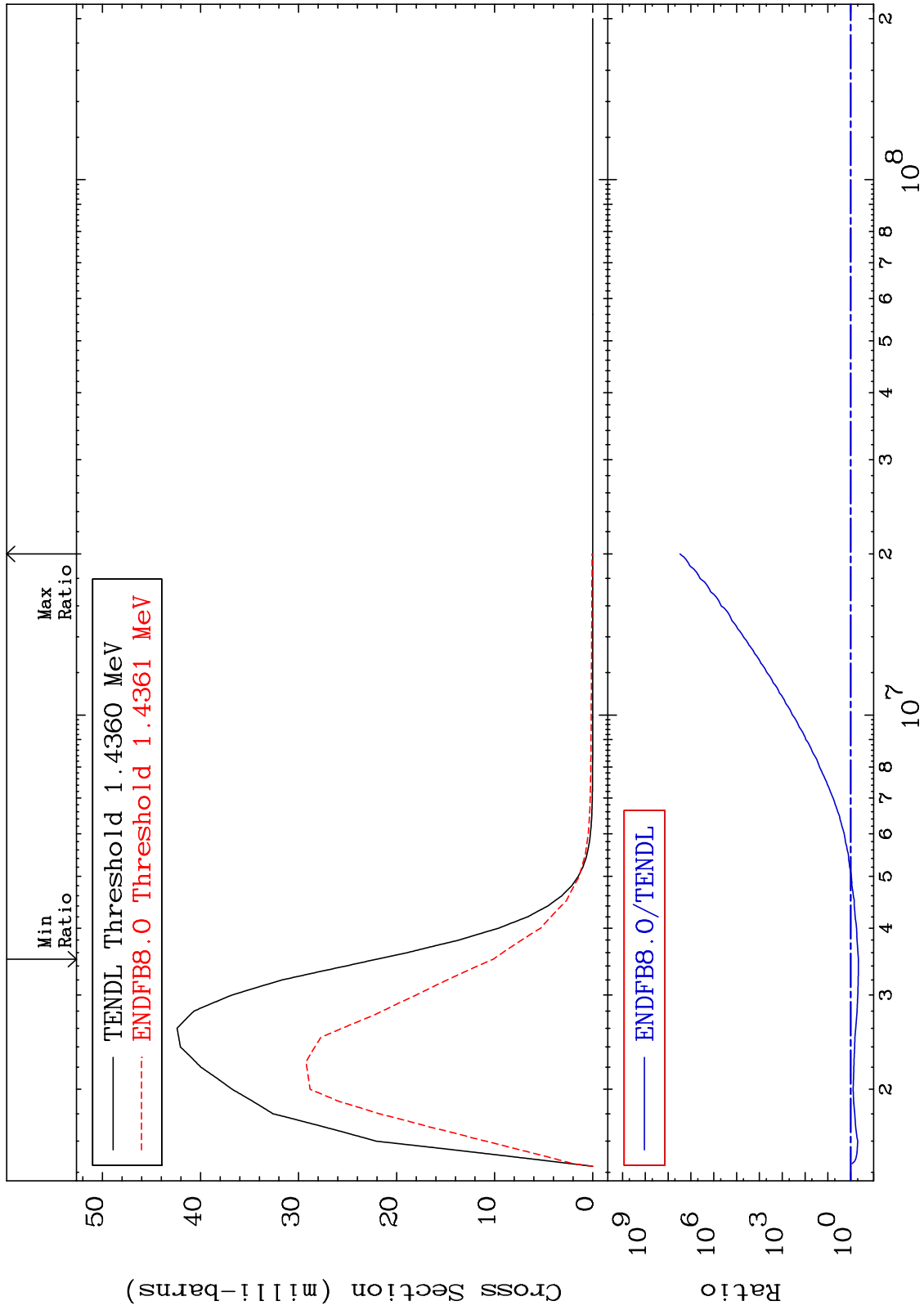
76-0s-184  
-69.99 To 8708. %



MAT 7625

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

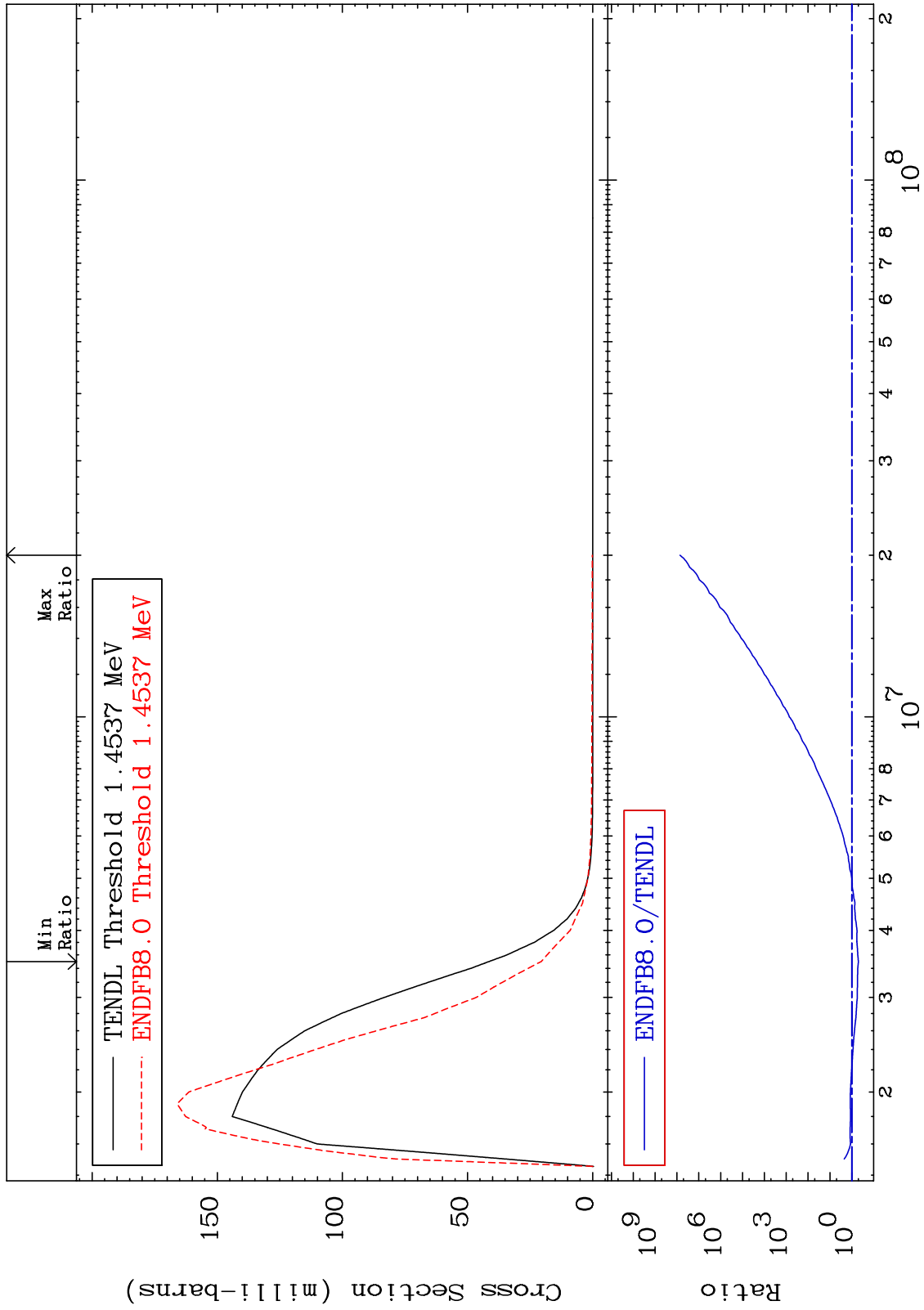
76-0s-184  
-53.91 To 9999. %



MAT 7625

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

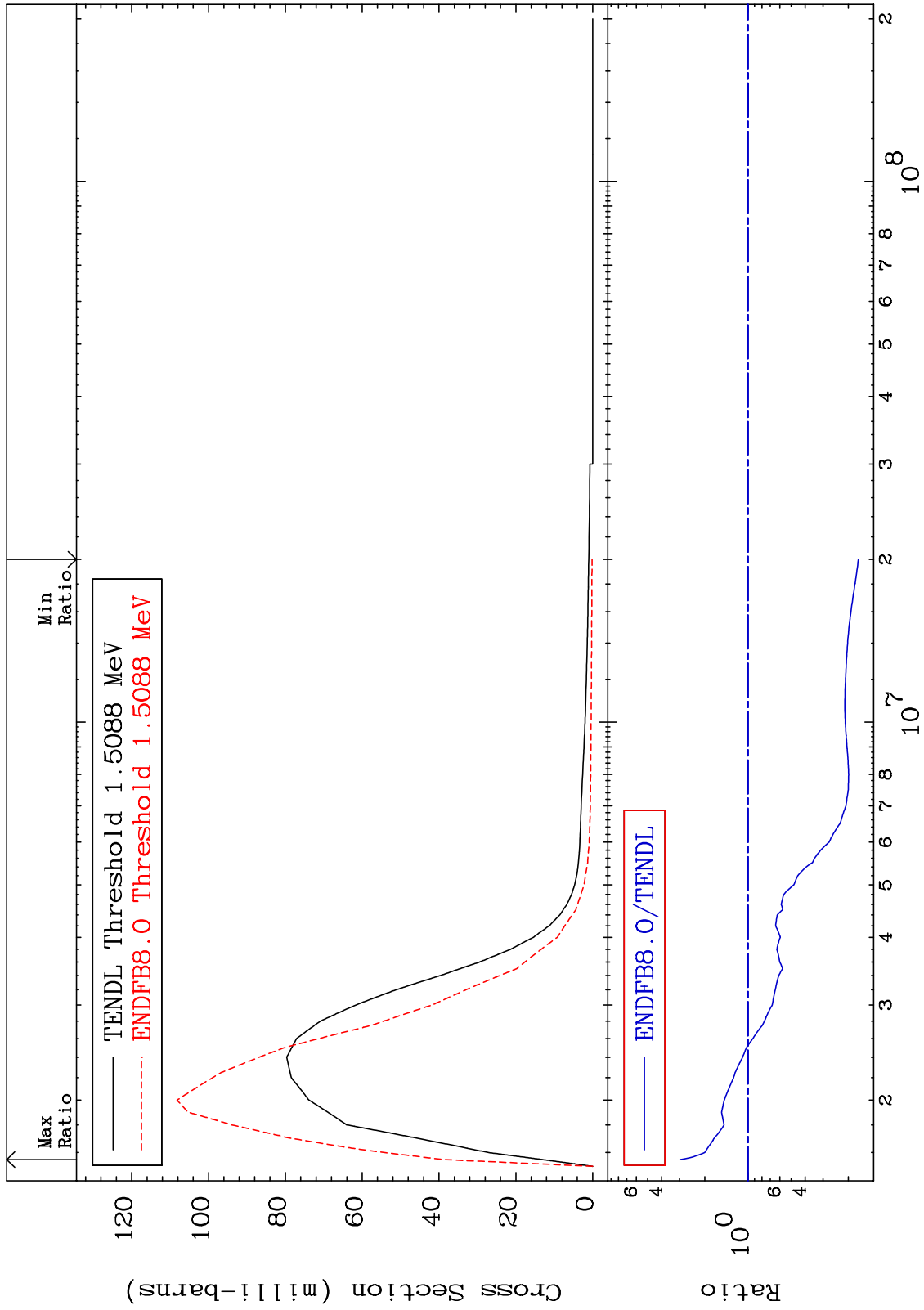
76-0s-184  
-50.36 To 9999. %



MAT 7625

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

76-0s-184  
-83.01 To 197.7 %

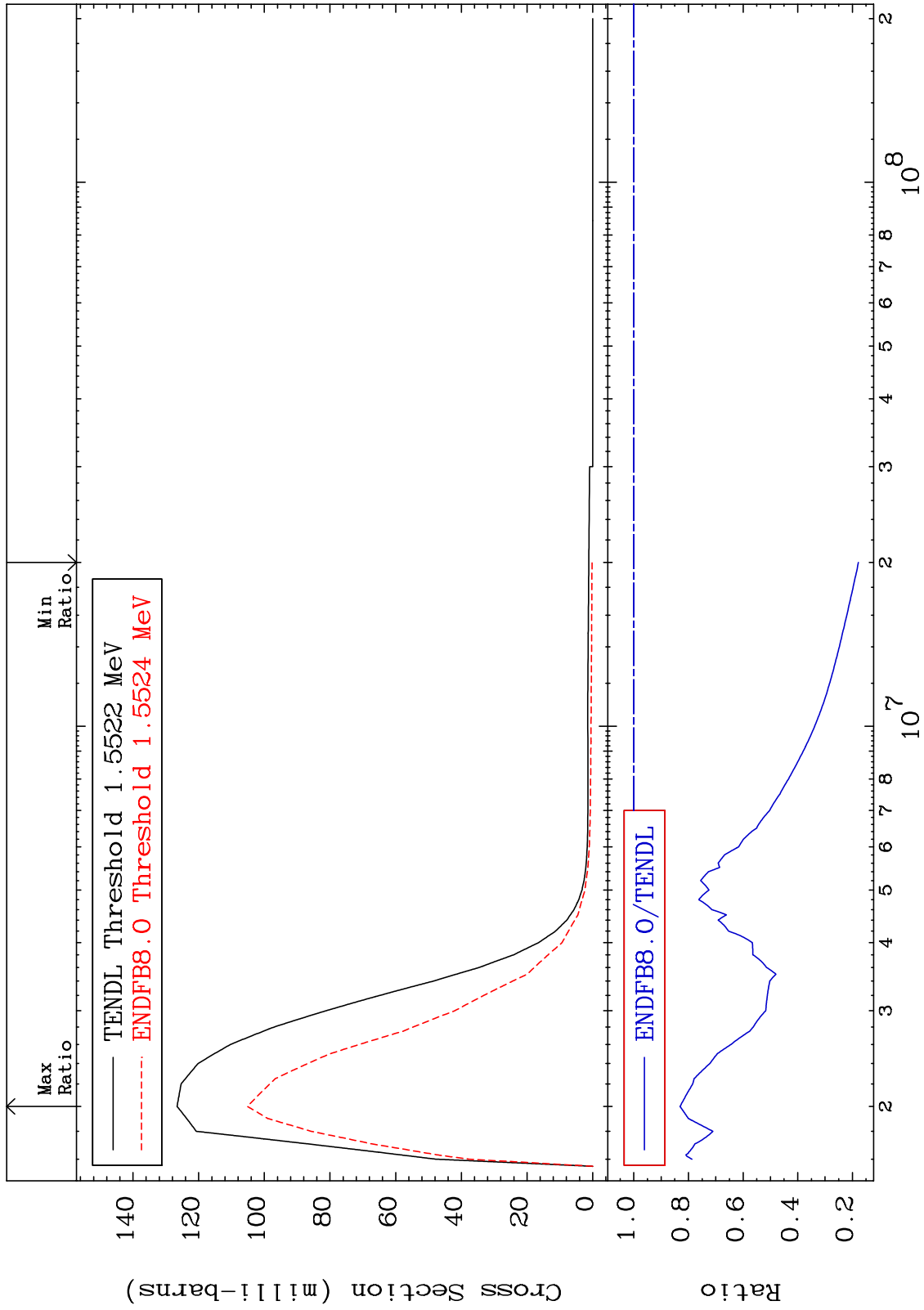




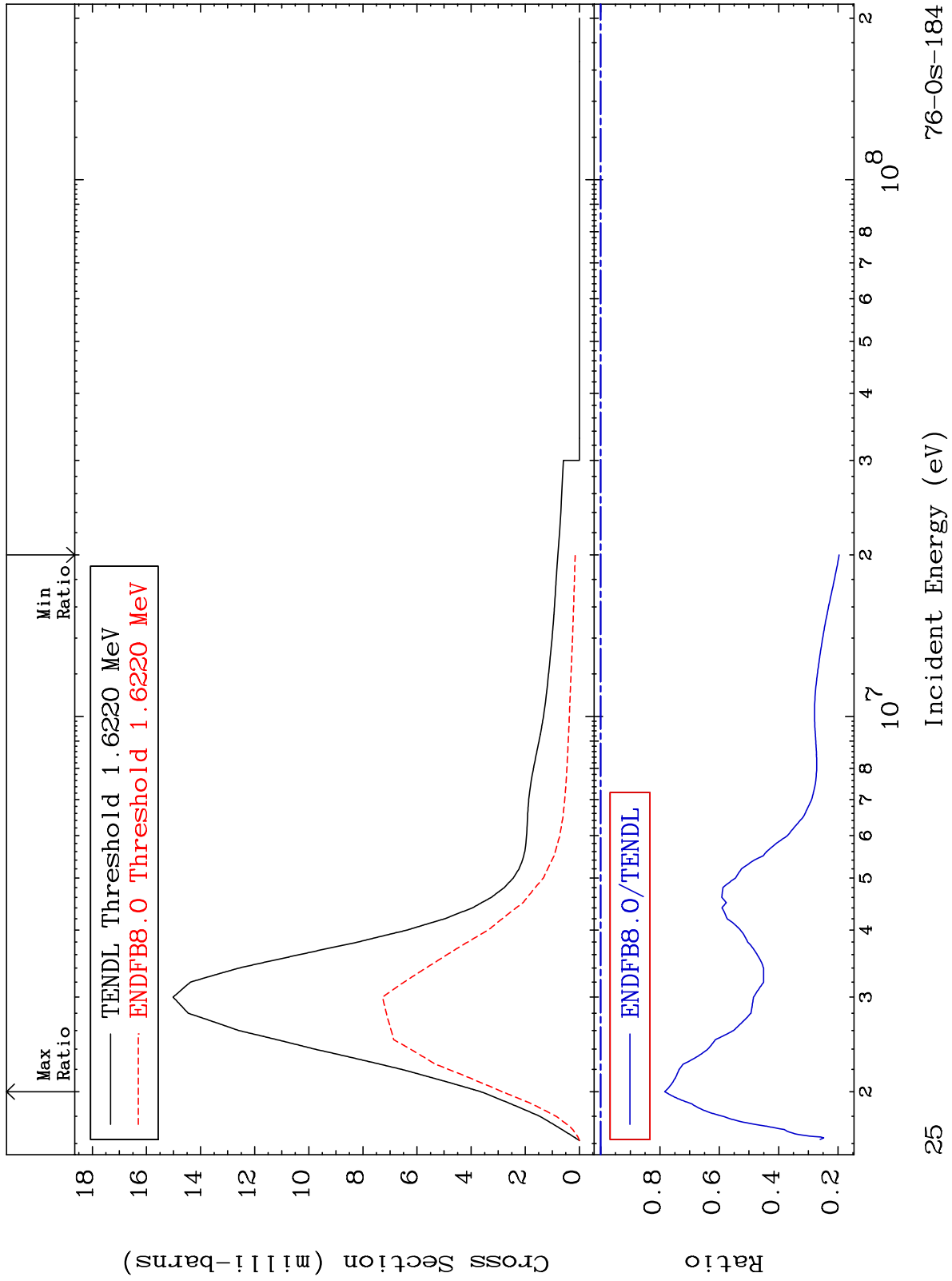
MAT 7625

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

76-0s-184  
-82.19 To -16.92%



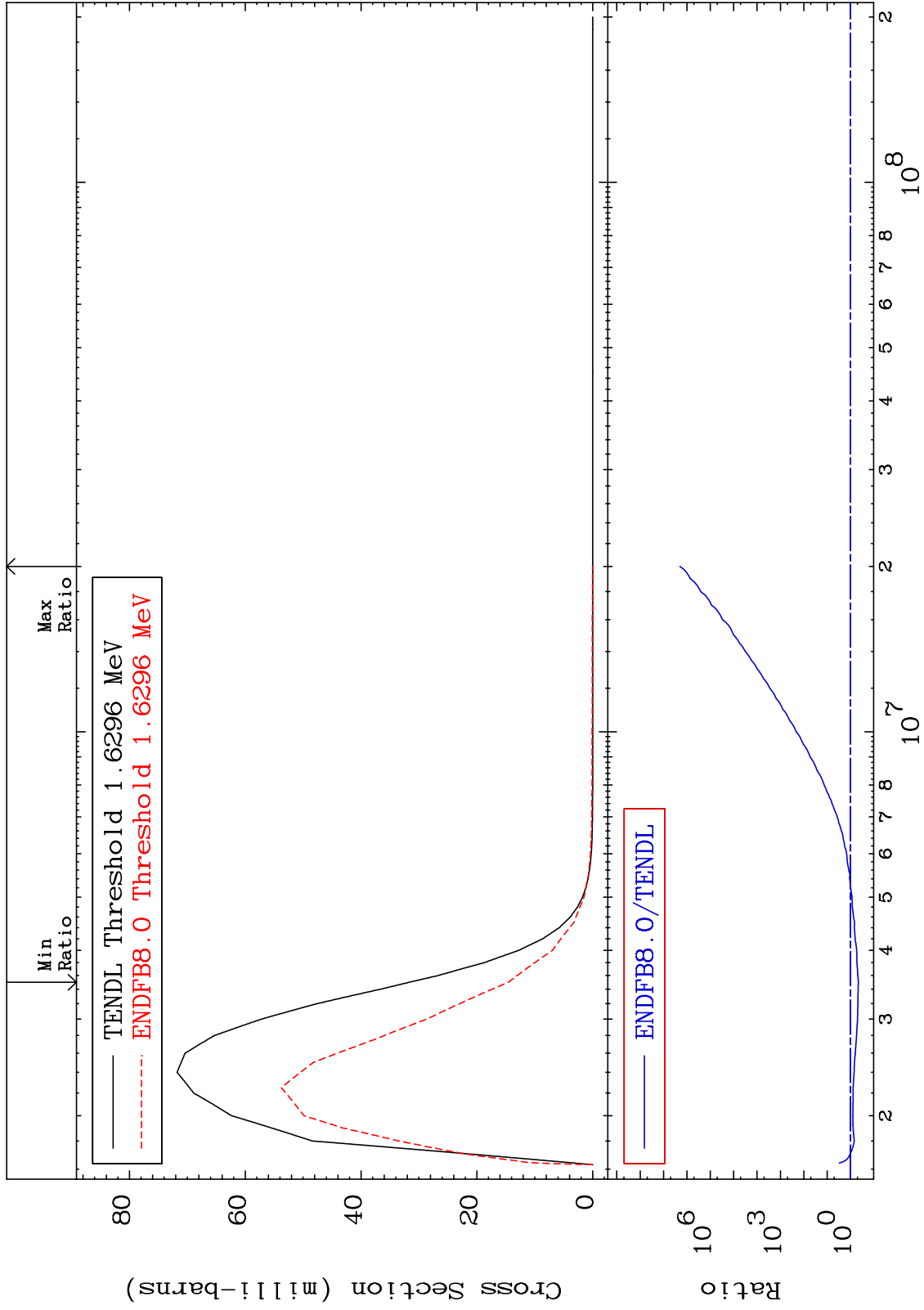
MAT 7625 MT= 65 (n,n') Level Cross Section 76-0s-184 -80.37 To -21.61%



MAT 7625

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

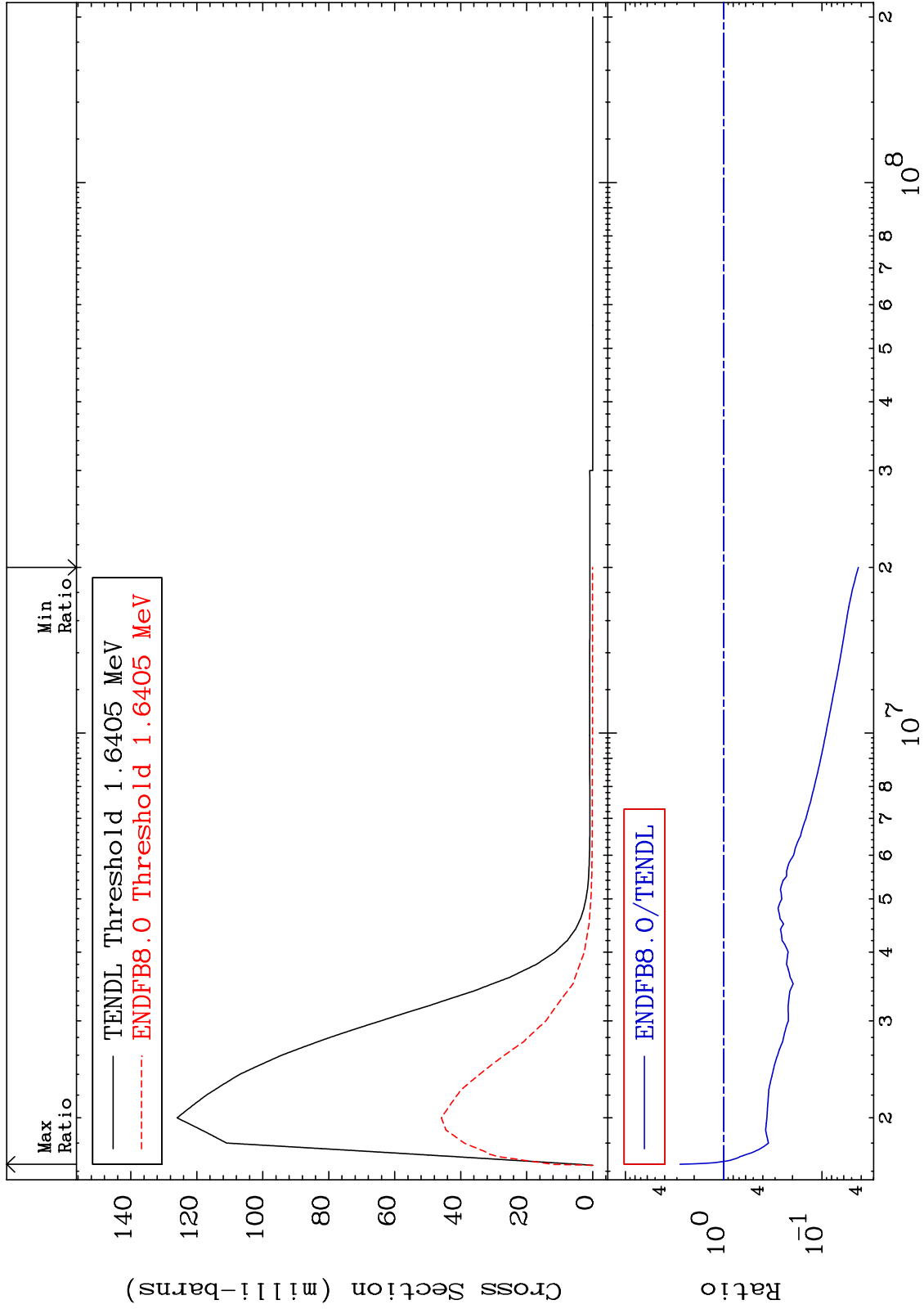
76-0s-184  
-54.04 To 9999. %



MAT 7625

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

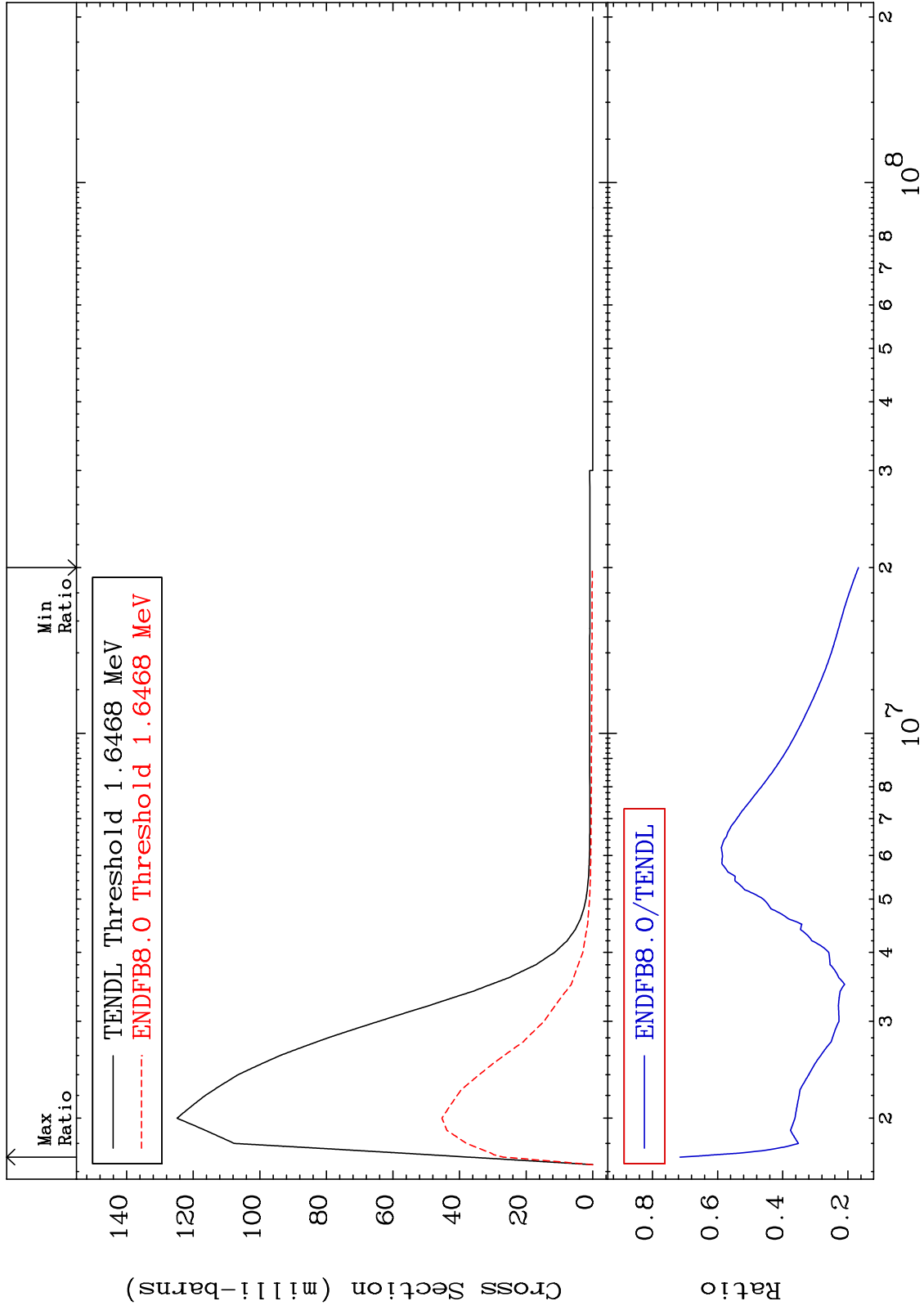
76-0s-184  
-95.74 To 178.6 %



MAT 7625

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

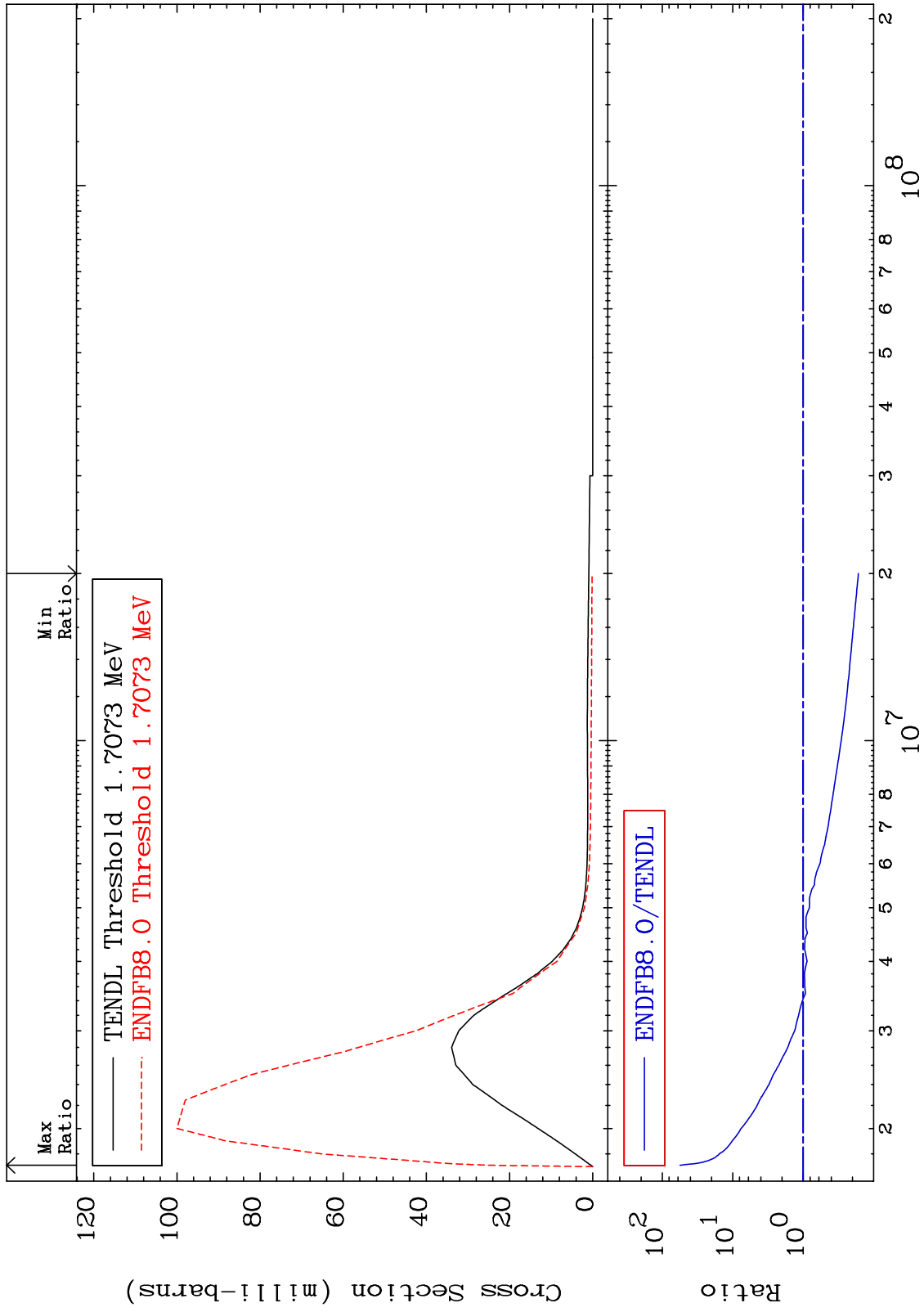
76-0s-184  
-83.22 To -28.47%



MAT 7625

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

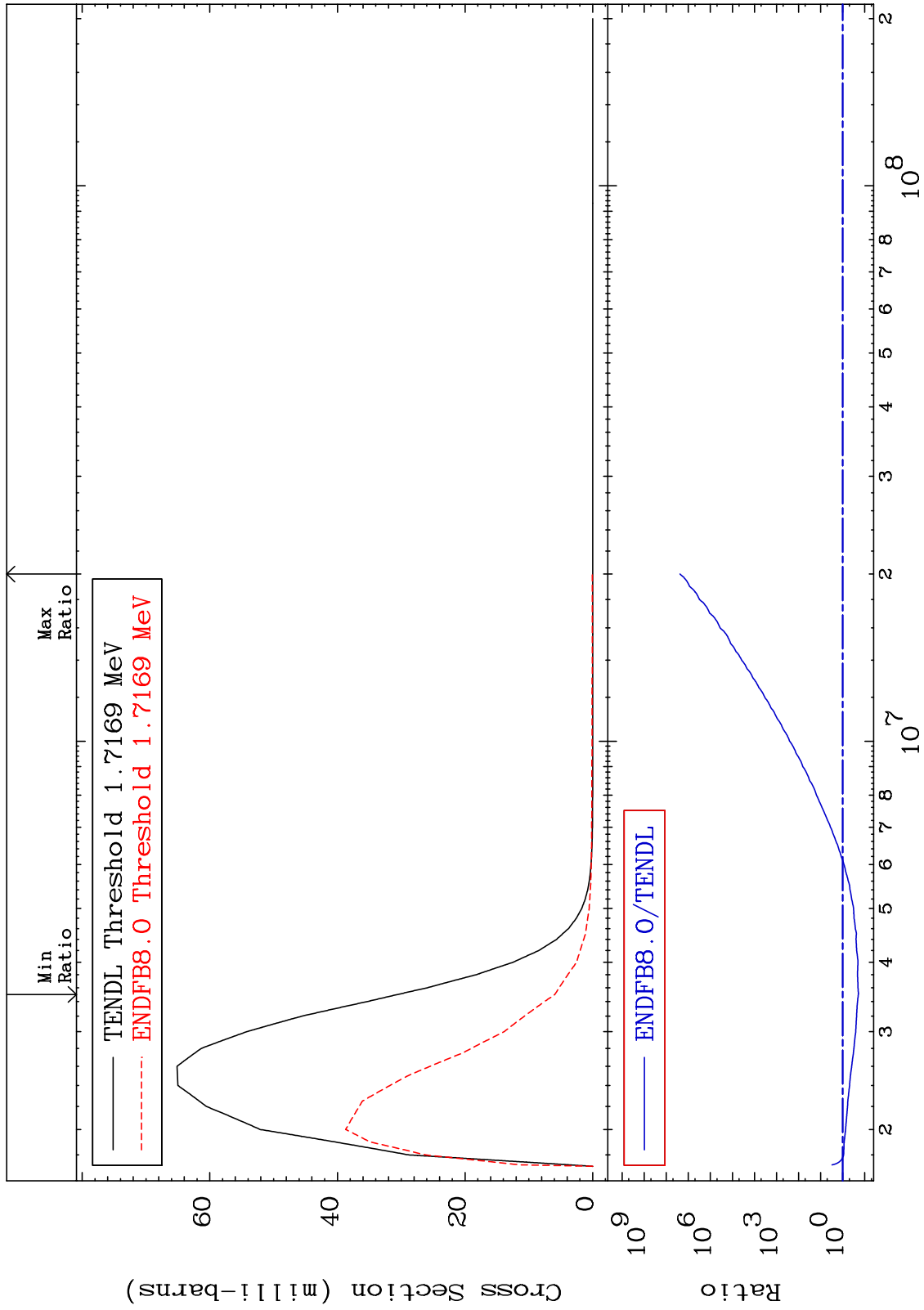
76-0s-184  
-83.51 To 5501. %



MAT 7625

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

76-0s-184  
-80.61 To 9999. %



30

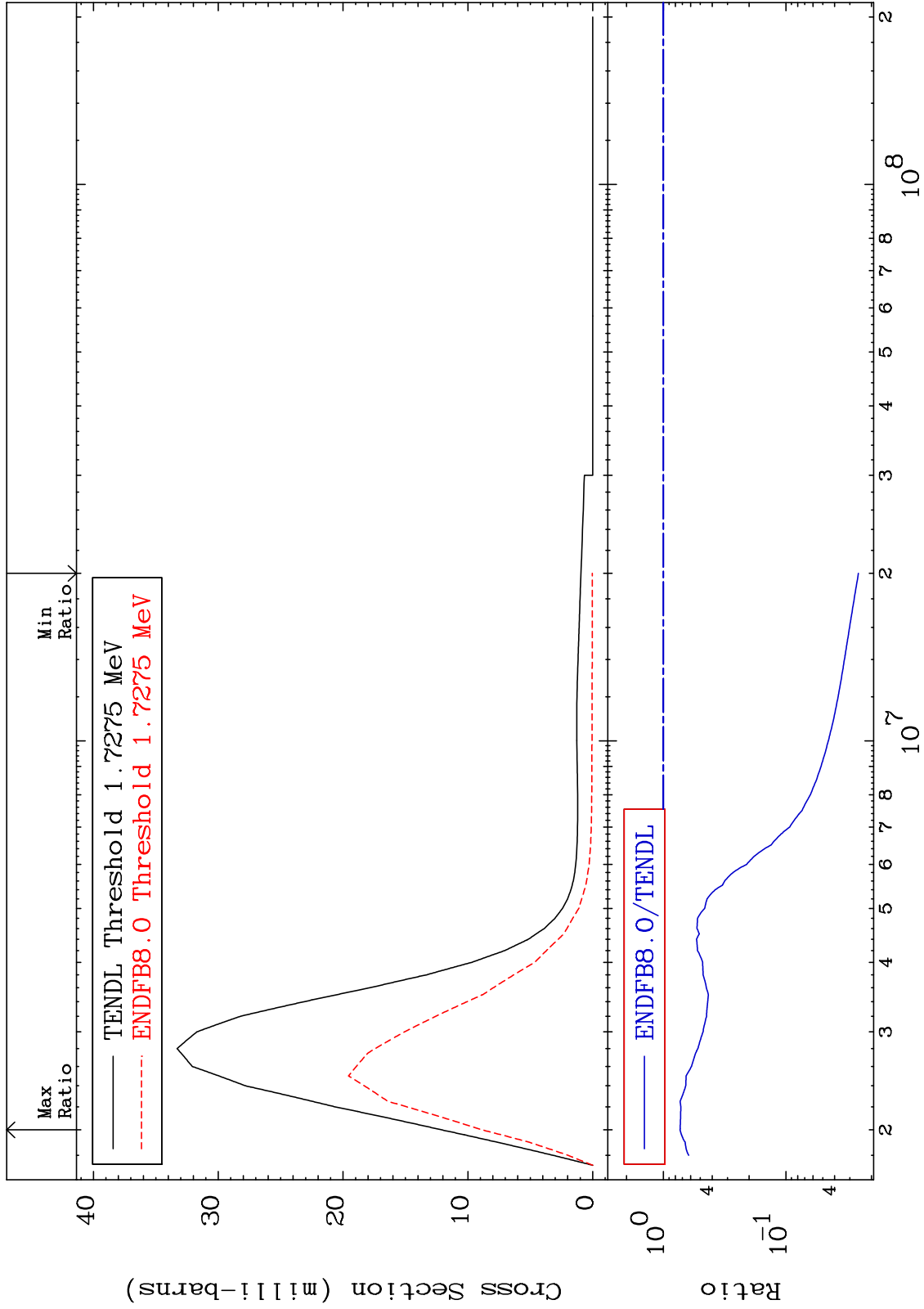
Incident Energy (eV)

76-0s-184

MAT 7625

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

76-0s-184  
-97.45 To -26.78%

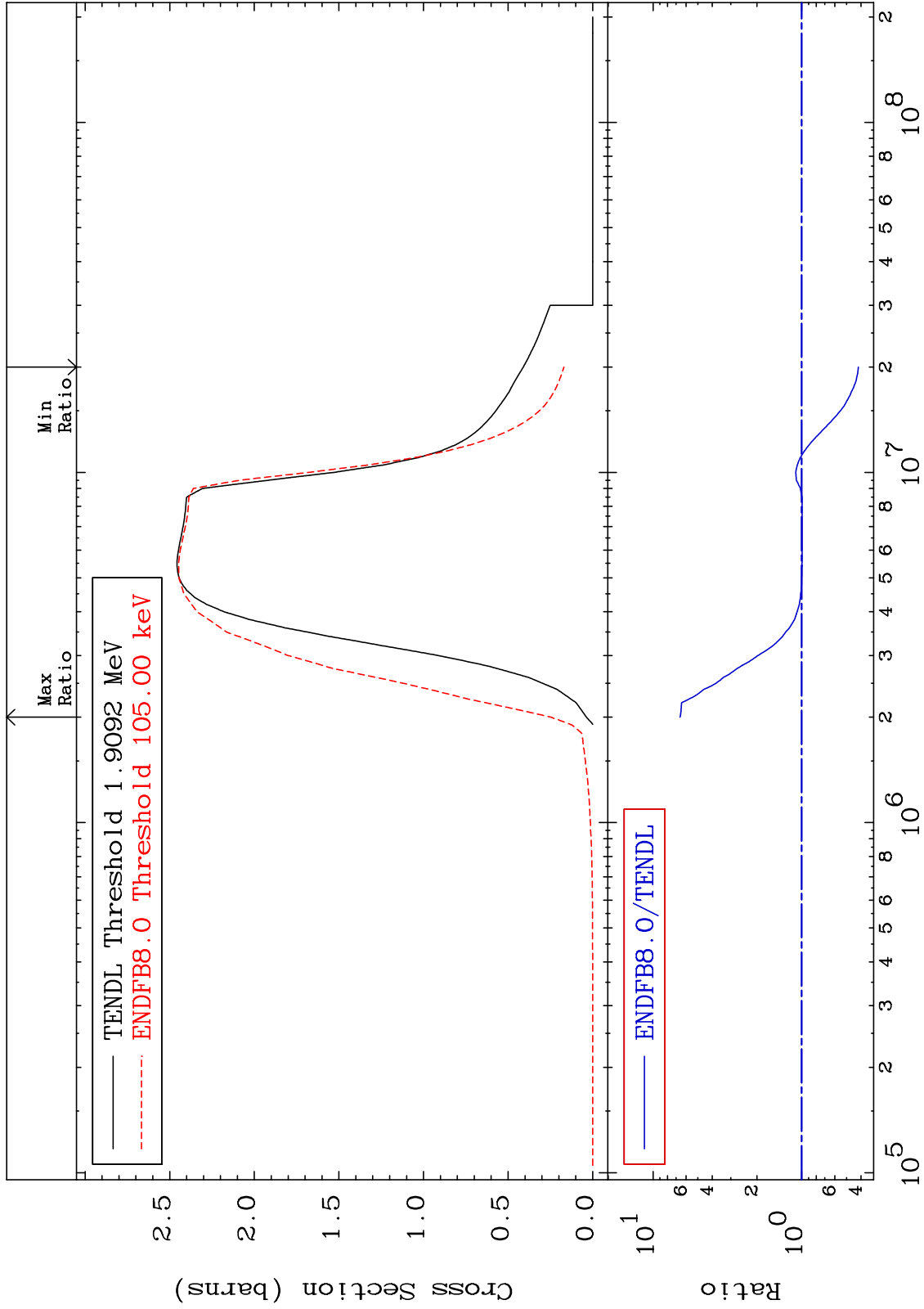




MAT 7625

(n, n') Continuum  
Cross Section

76-Os-184  
-58.41 To 558.5 %



32

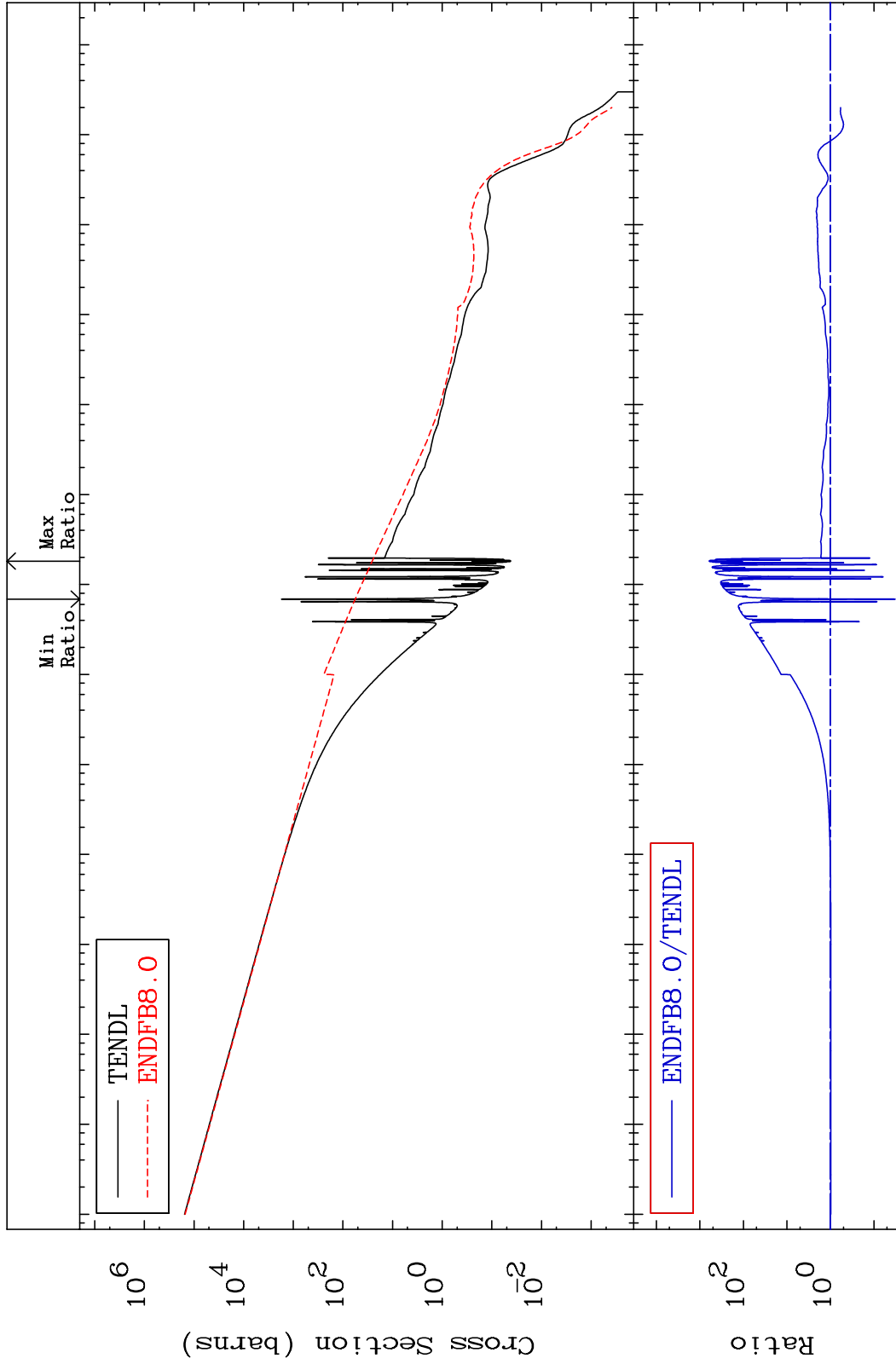
Incident Energy (eV)

76-Os-184

MAT 7625

(n,  $\gamma$ )  
Cross Section

76-0s-184  
-96.71 To 9999. %



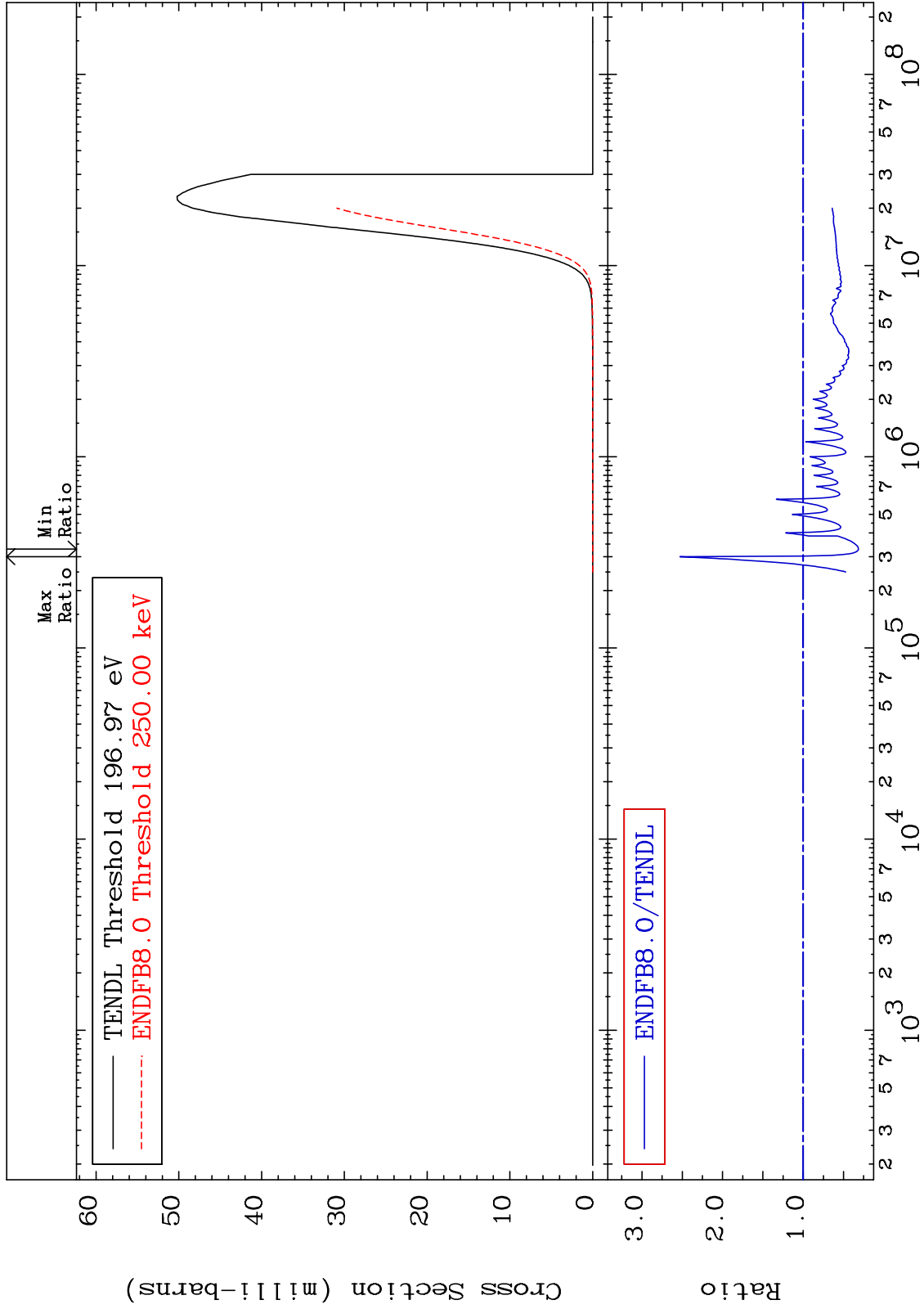
MAT 7625

(n, p)

76-0s-184

Cross Section

-68.47 To 152.8 %



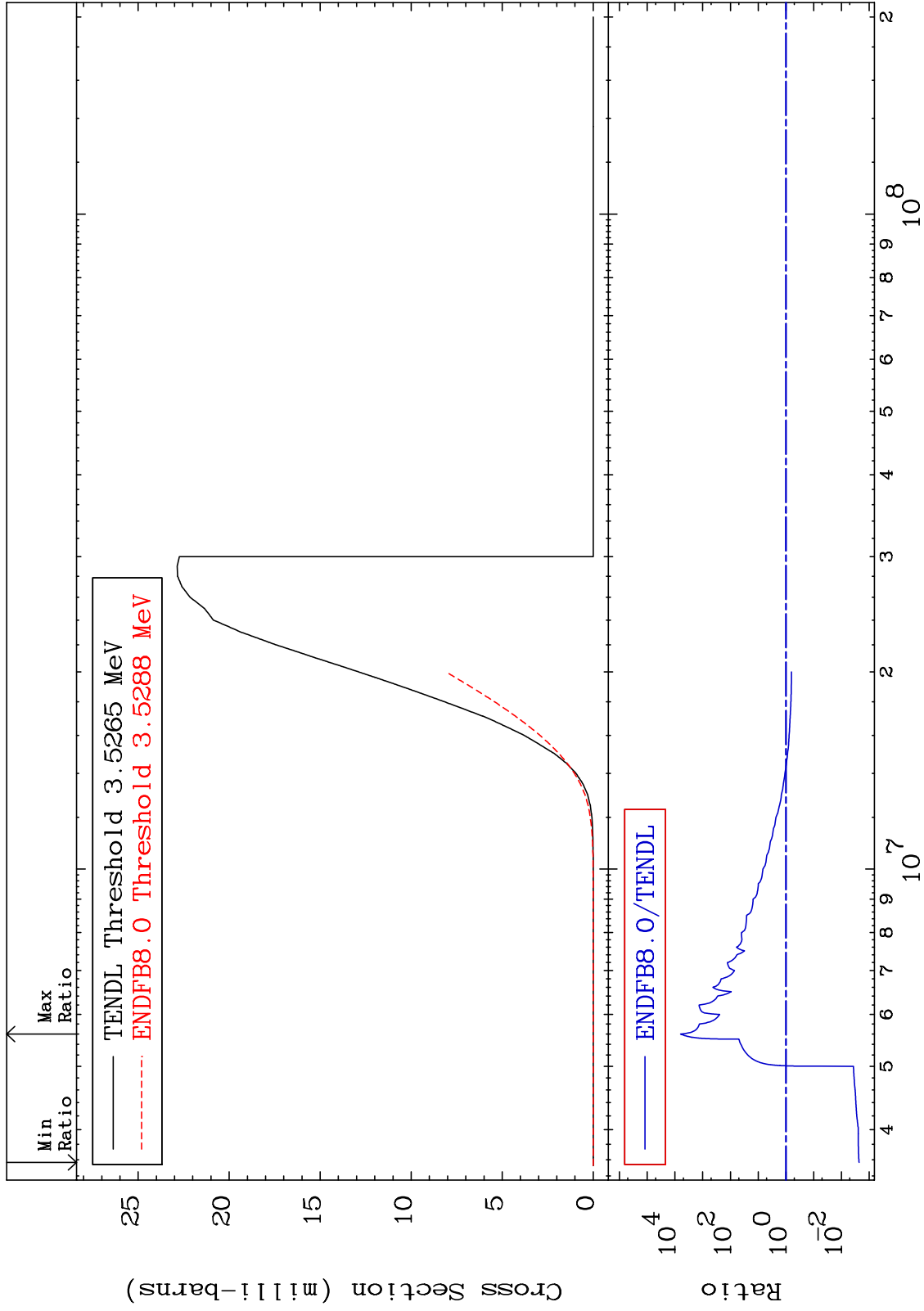
MAT 7625

(n, d)

76-0s-184

Cross Section

-99.77 To 9999. %

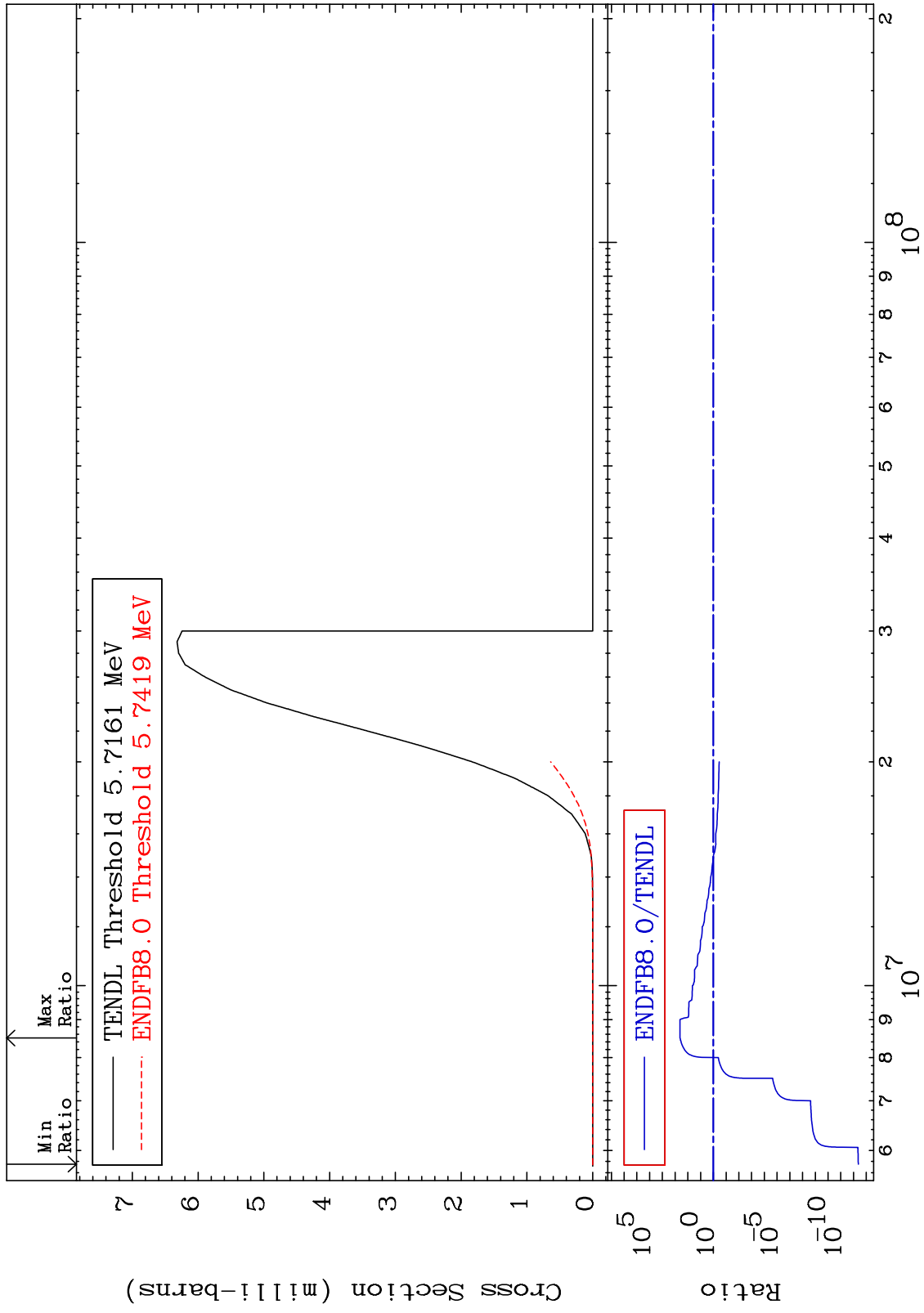


35

Incident Energy (eV)

76-0s-184

MAT 7625 (n, t) 76-0s-184  
 Cross Section -100.0 To 9999. %



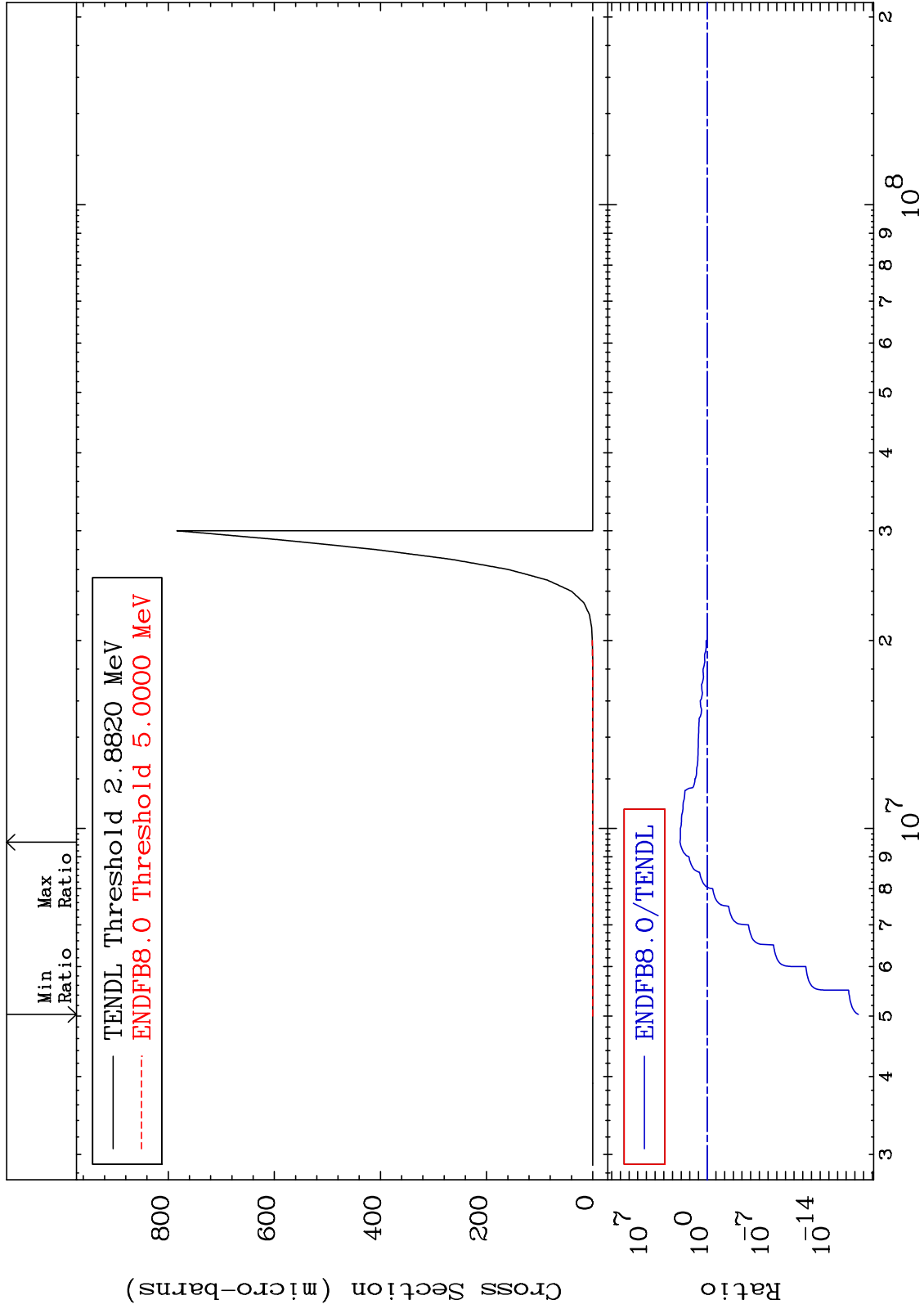
MAT 7625

(n, He-3)

76-0s-184

Cross Section

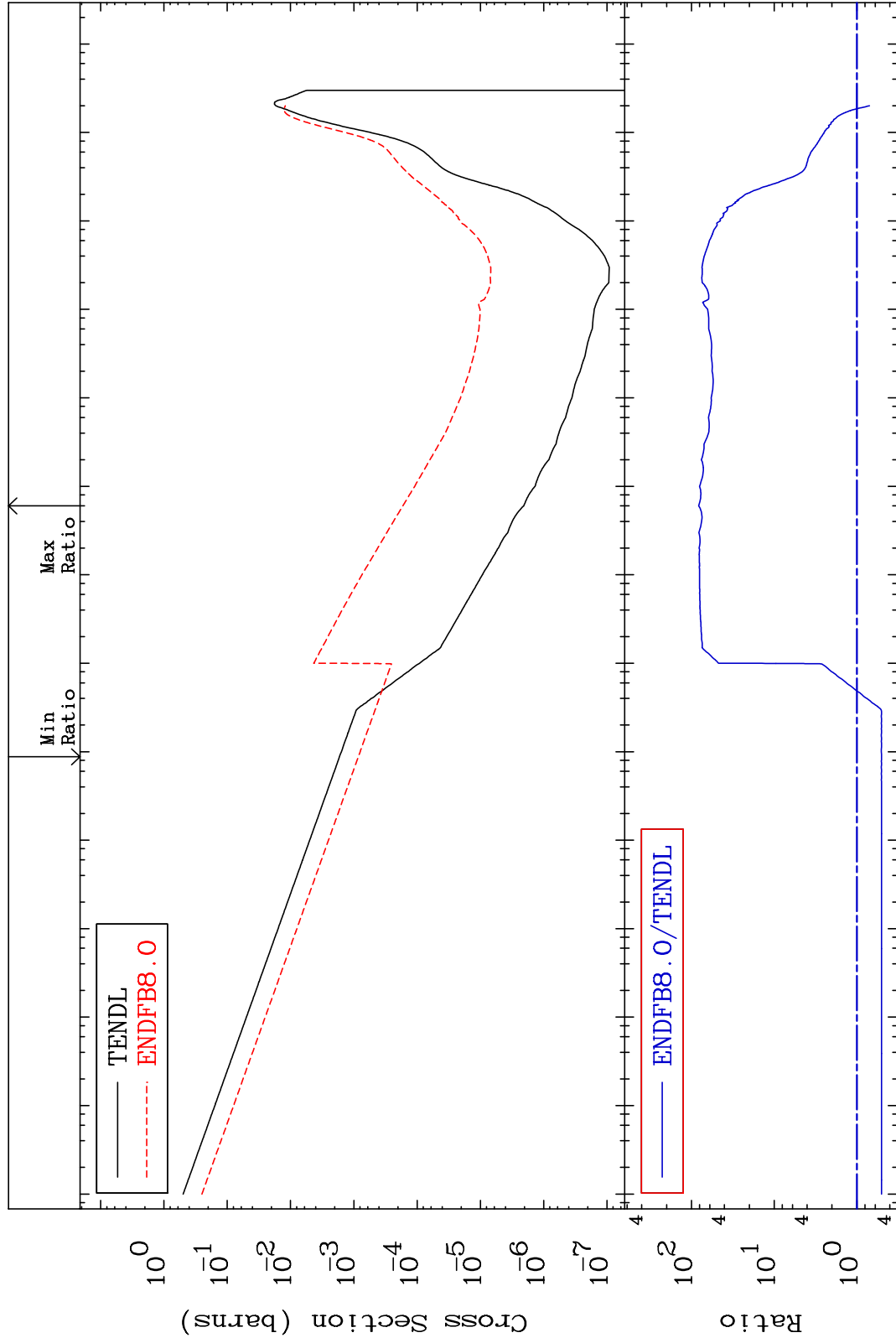
-100.0 To 9999. %



MAT 7625

(n,  $\alpha$ )  
Cross Section

76-0s-184  
-49.70 To 8077. %



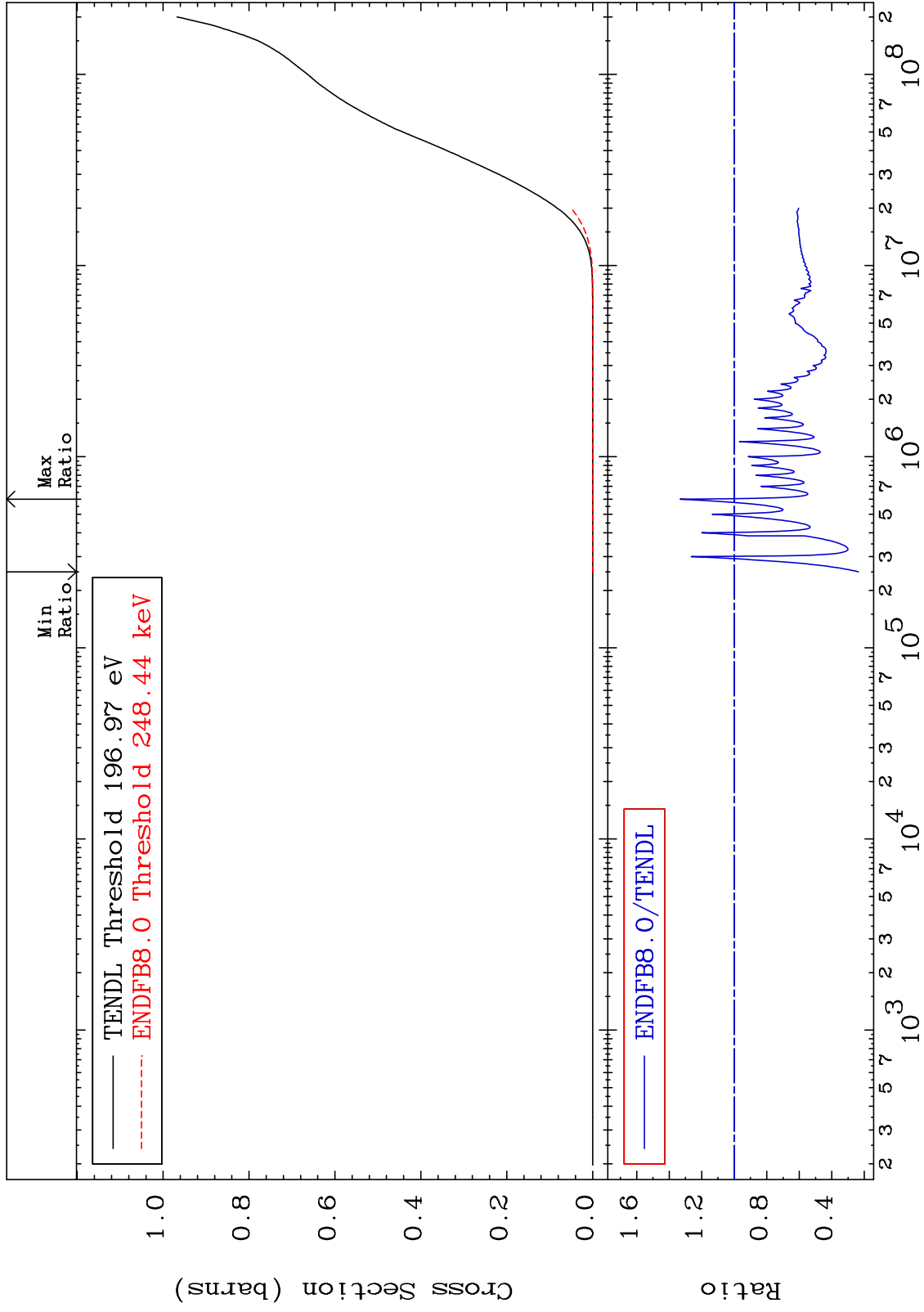
Incident Energy (eV)

76-0s-184

MAT 7625

Hydrogen Production  
Cross Section

76-0s-184  
-76.38 To 33.35 %

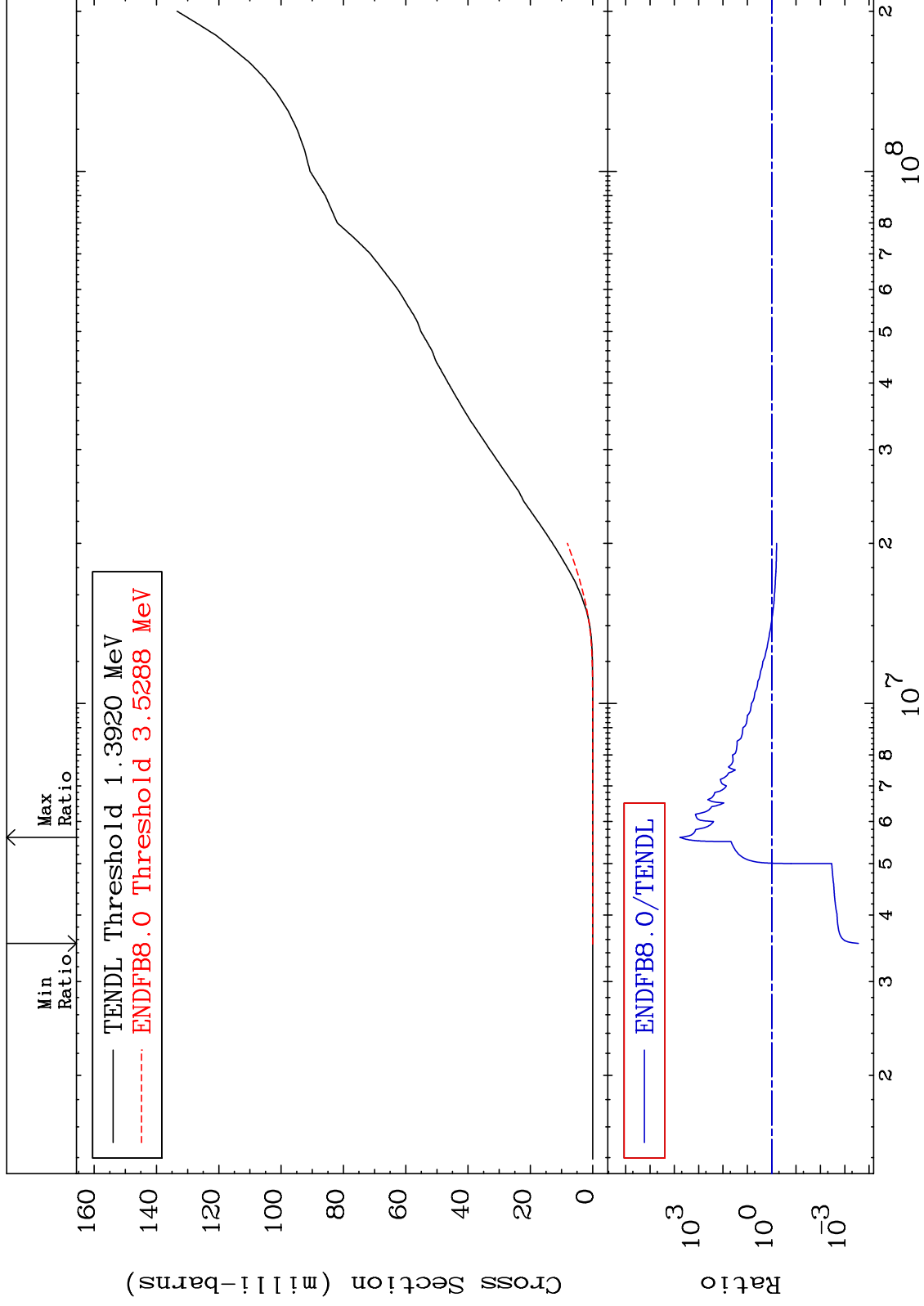




MAT 7625

Deuterium Production  
Cross Section

<sup>76</sup>Os-184  
-99.97 To 9999. %



40

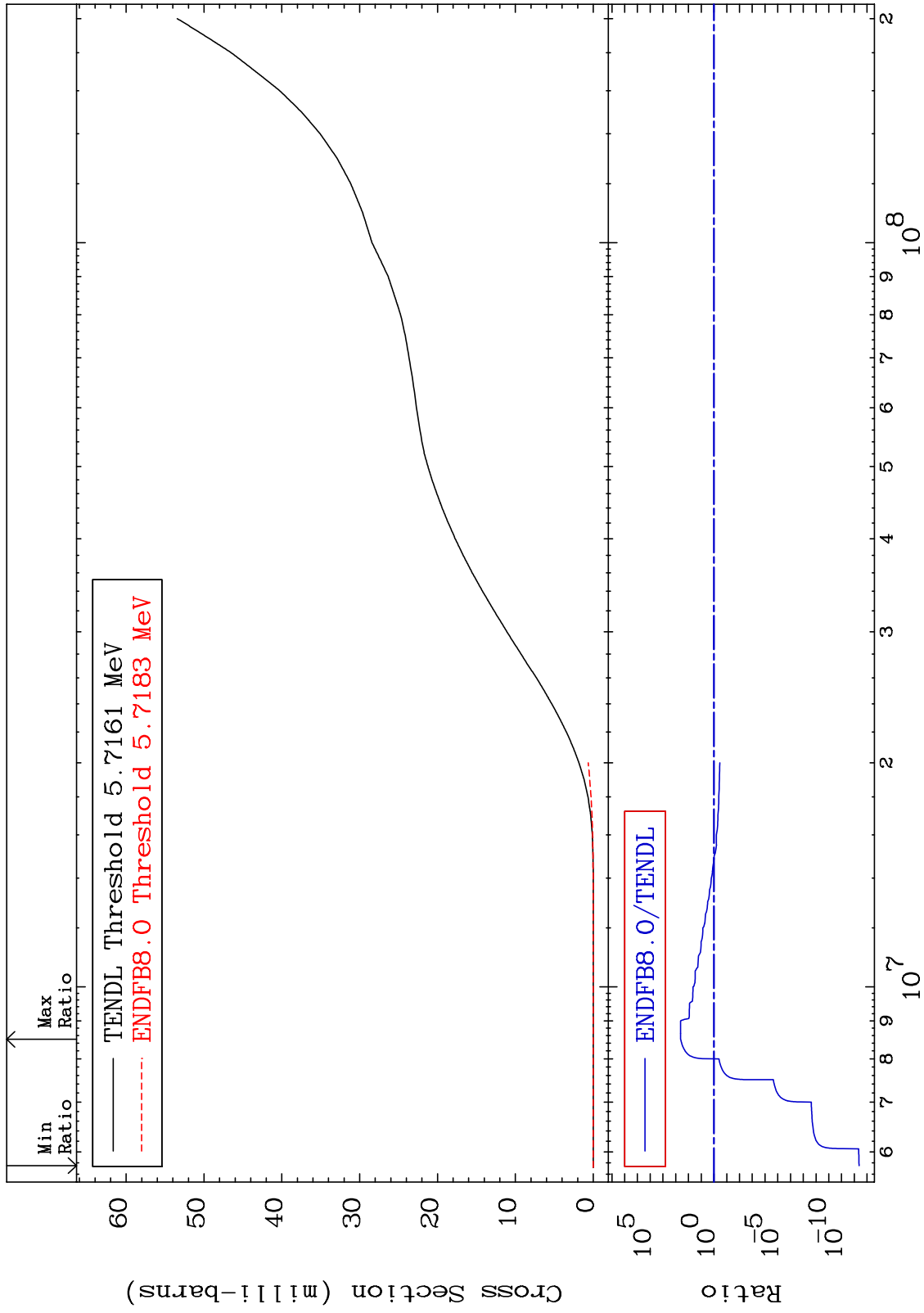
Incident Energy (eV)

<sup>76</sup>Os-184

MAT 7625

Tritium Production  
Cross Section

76-0s-184  
-100.0 To 9999. %



41

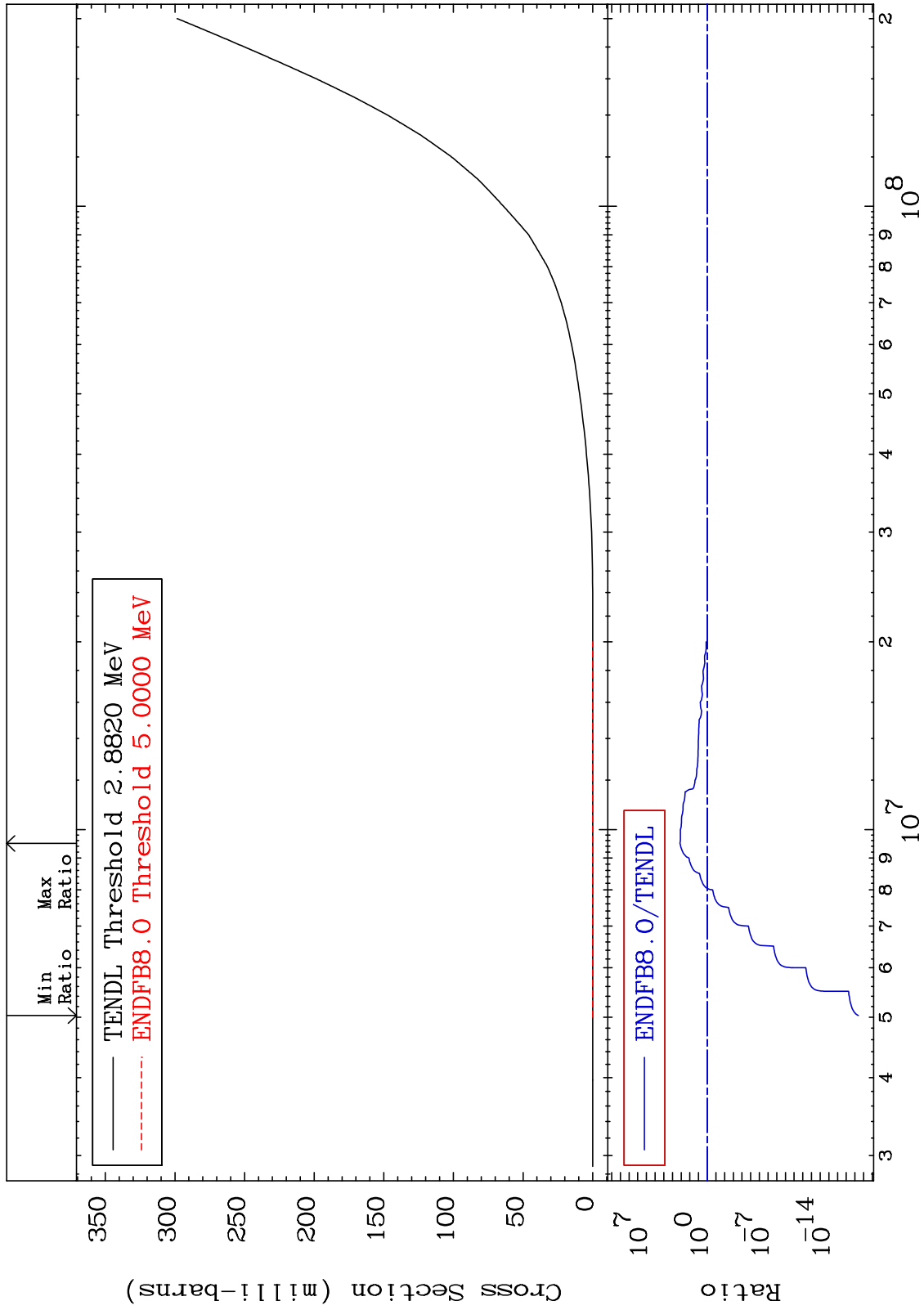
Incident Energy (eV)

76-0s-184

MAT 7625

He-3 Production  
Cross Section

76-0s-184  
-100.0 To 9999. %



42

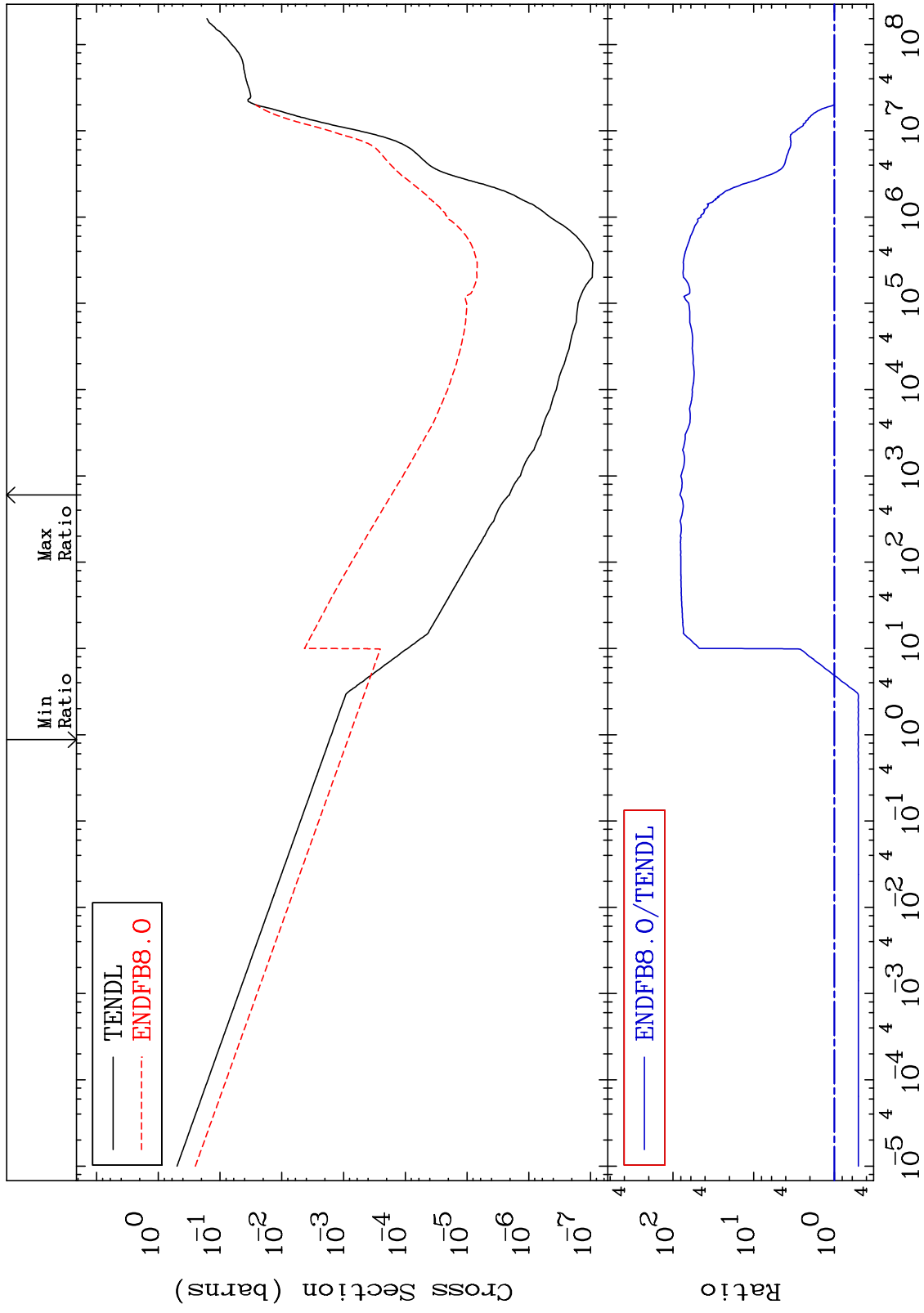
Incident Energy (eV)

76-0s-184

MAT 7625

He-4 Production  
Cross Section

76-0s-184  
-49.70 To 8077. %



Incident Energy (eV)

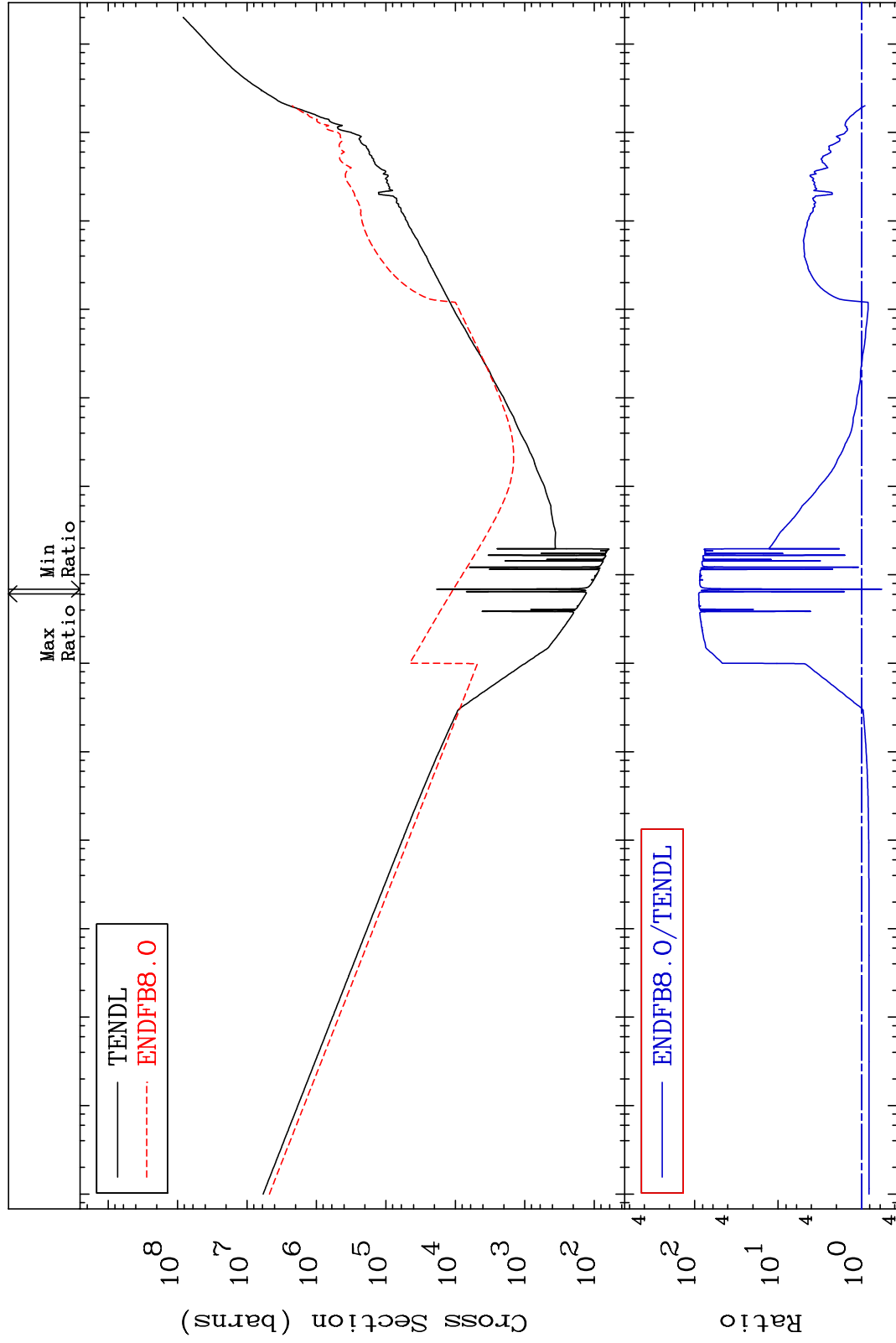
76-0s-184

43

MAT 7625

Kerma total (eV-barns)  
Cross Section

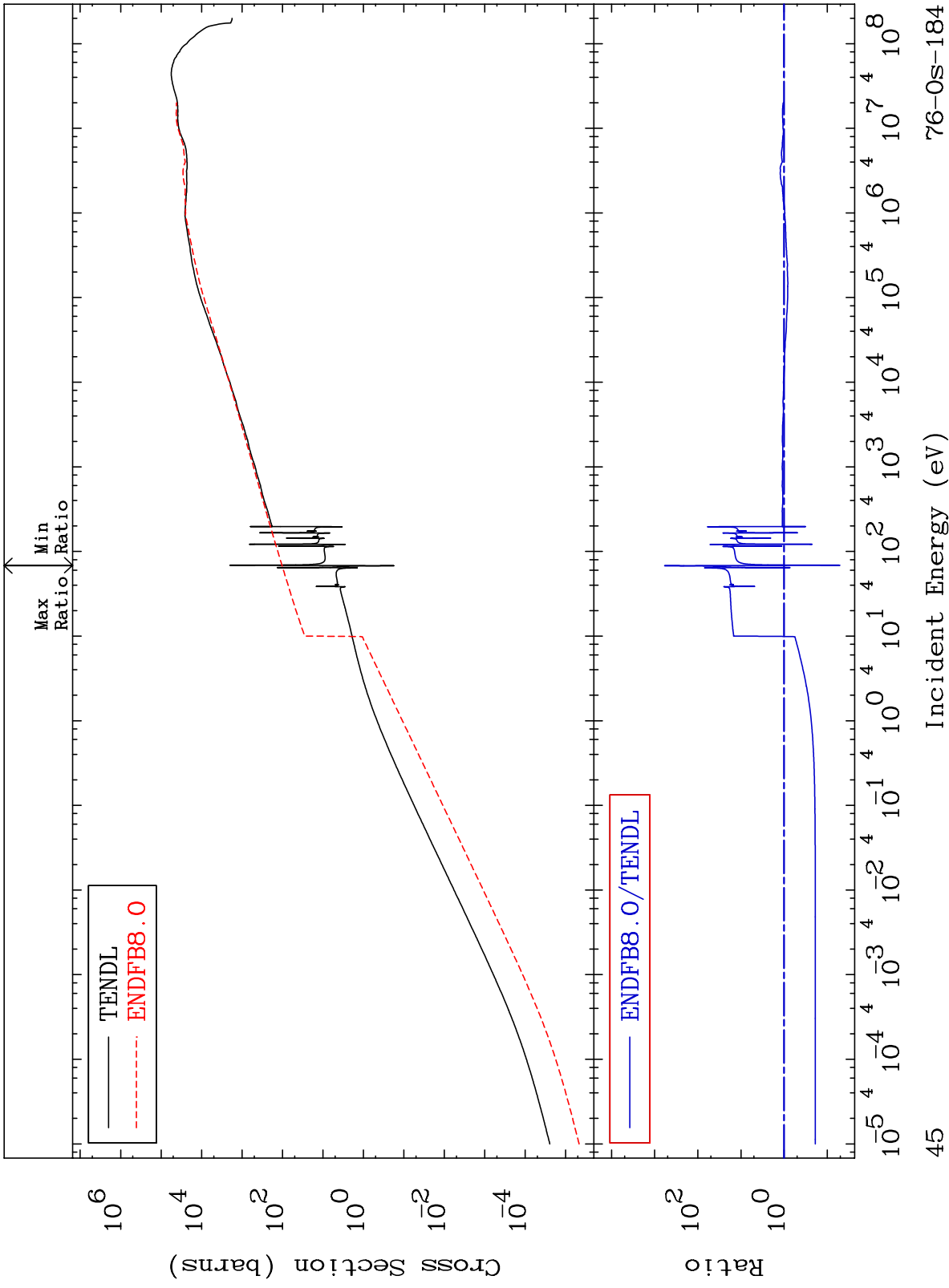
76-0s-184  
-42.40 To 8810. %



MAT 7625

Kerma elastic  
Cross Section

76-0s-184  
-94.85 To 9999. %



45

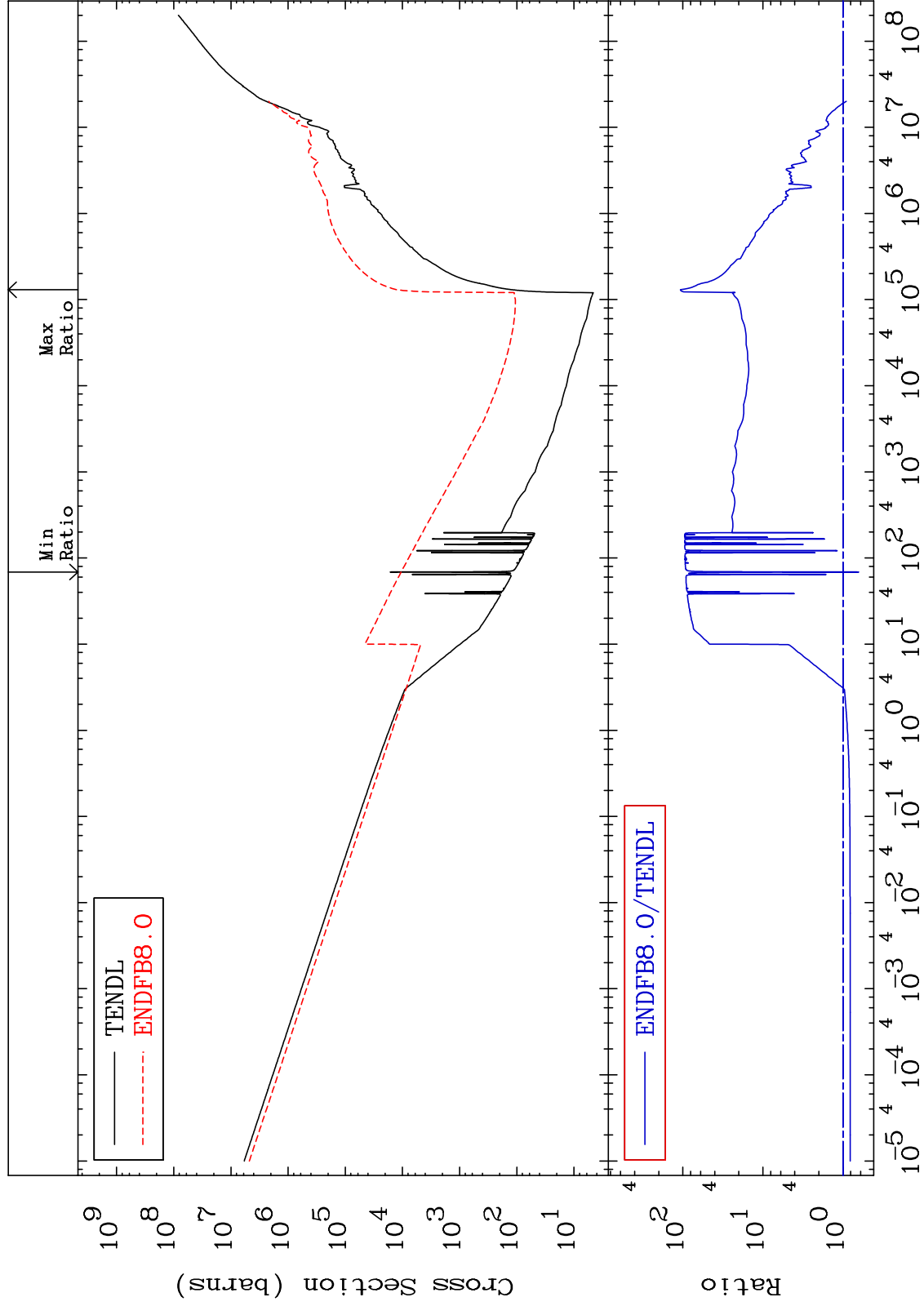
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma non-elastic (all but mt2)  
Cross Section

76-0s-184  
-36.04 To 9999. %



46

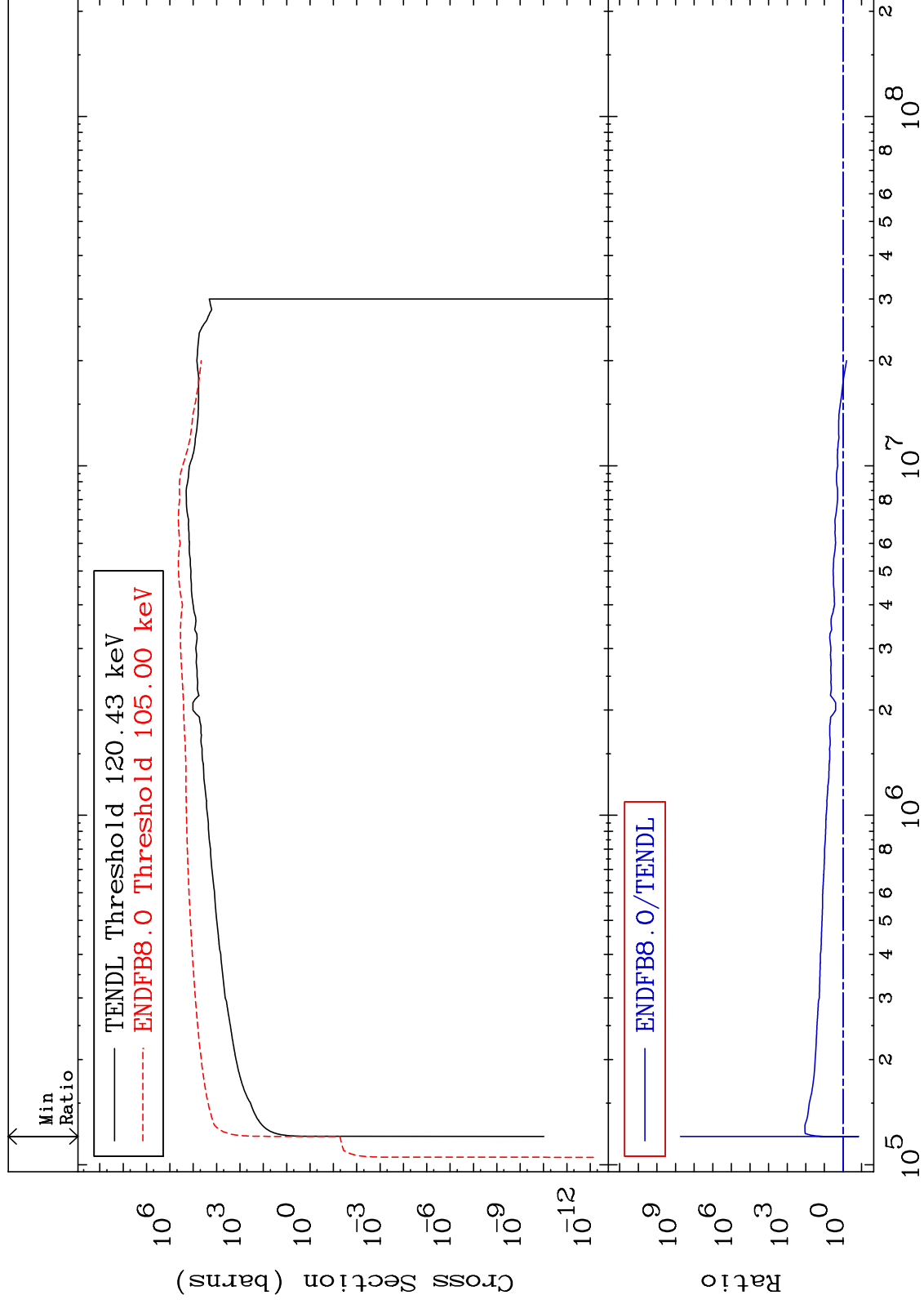
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma inelastic (mt51-91)  
Cross Section

76-0s-184  
-85.33 To 9999. %



47

Incident Energy (eV)

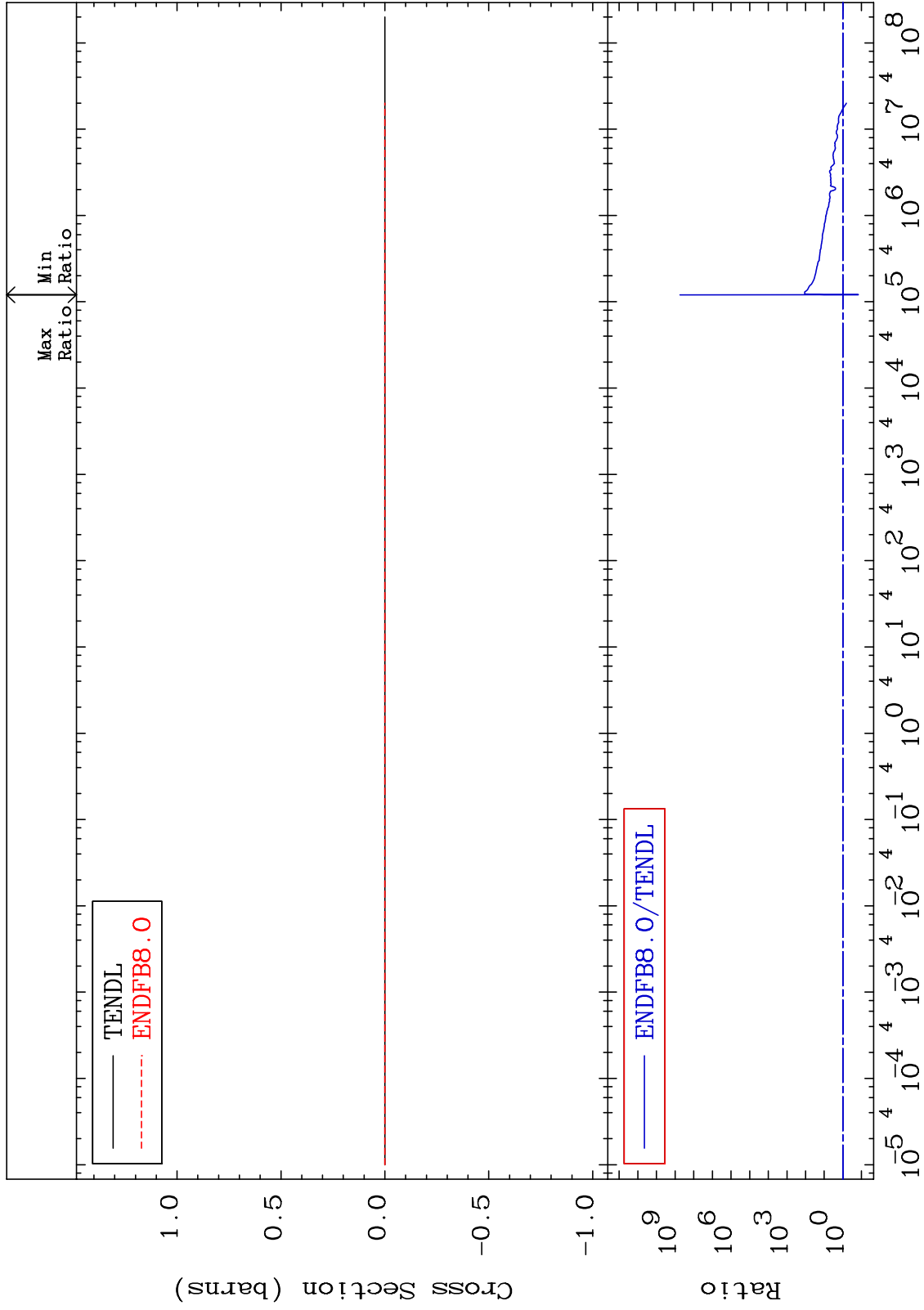
76-0s-184



MAT 7625

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

76-0s-184  
-85.33 To 9999. %



48

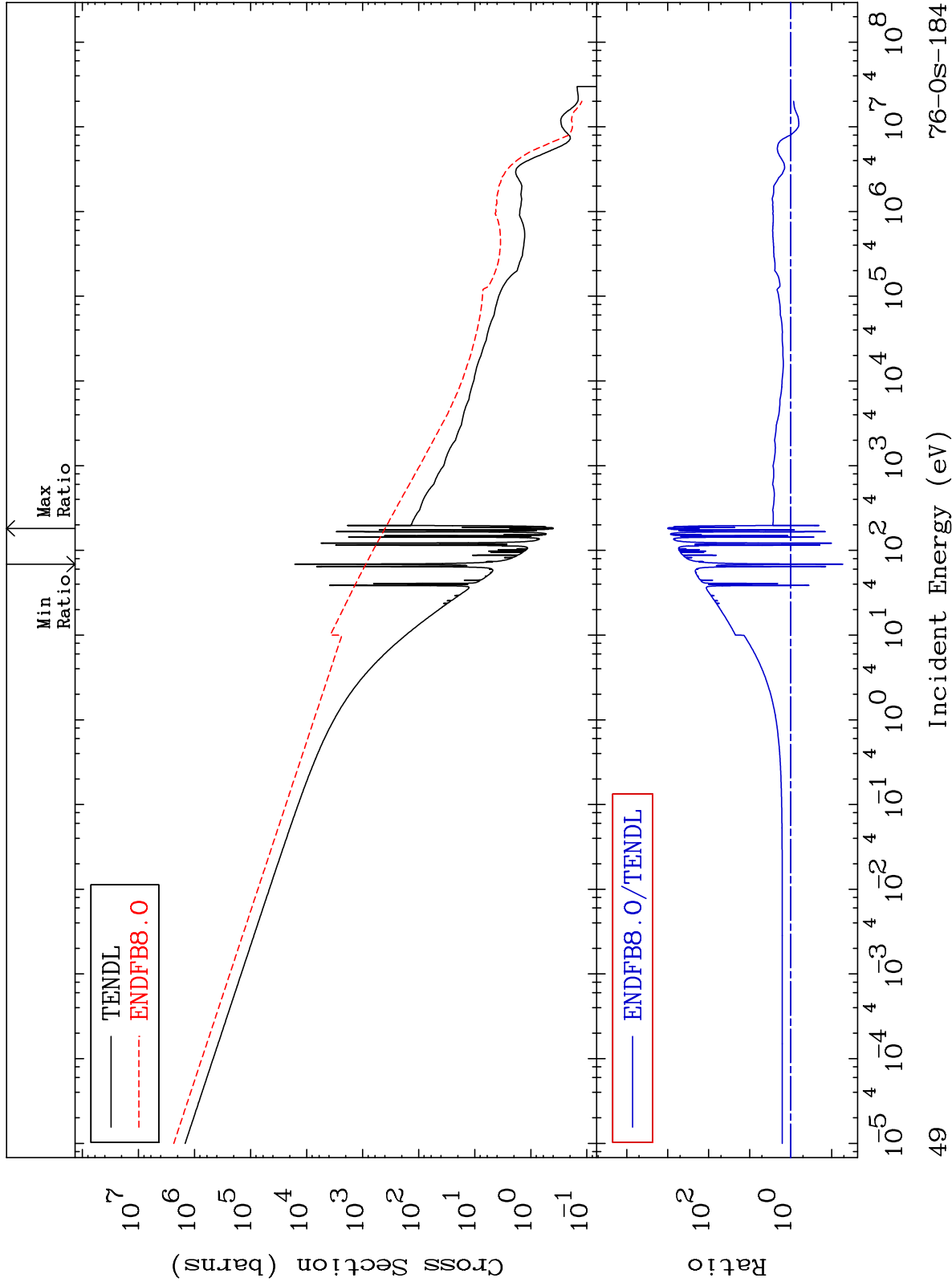
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma capture (mt102)  
Cross Section

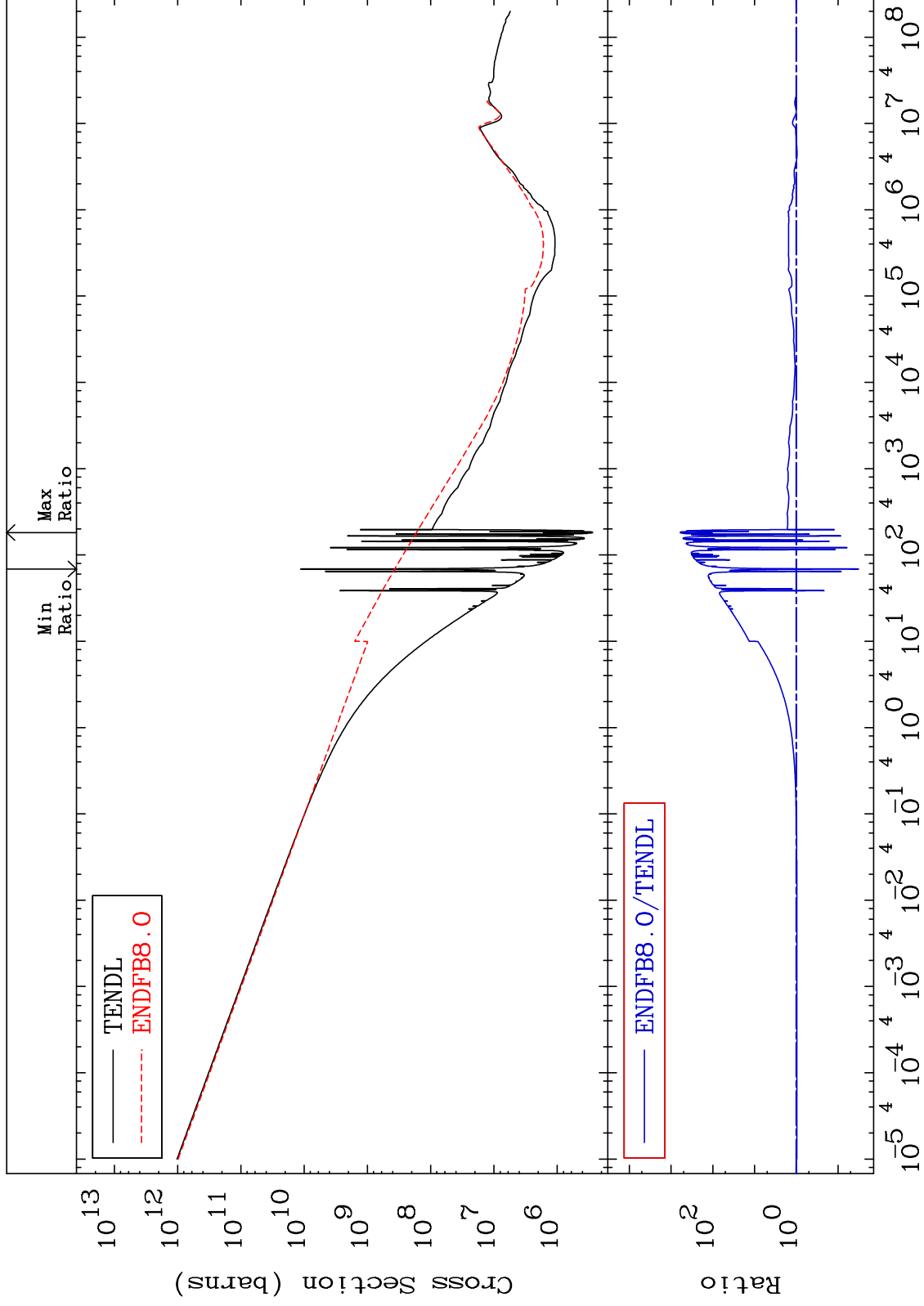
76-0s-184  
-94.62 To 9999. %



MAT 7625

Total photon (eV-barns)  
Cross Section

76-0s-184  
-96.75 To 9999. %



50

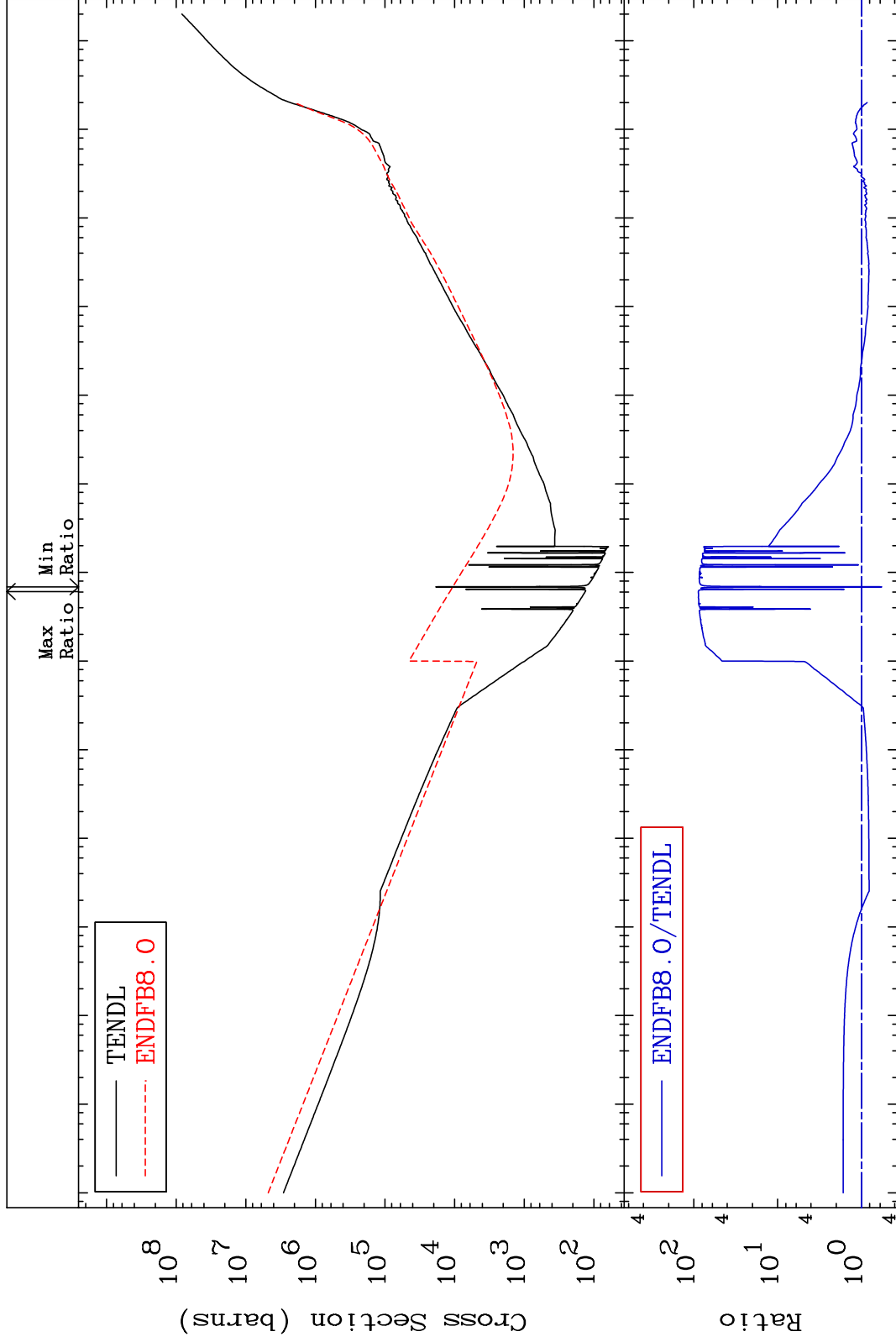
Incident Energy (eV)

76-0s-184

MAT 7625

Total kinematic kerma (high limit)  
Cross Section

76-0s-184  
-42.40 To 8743. %



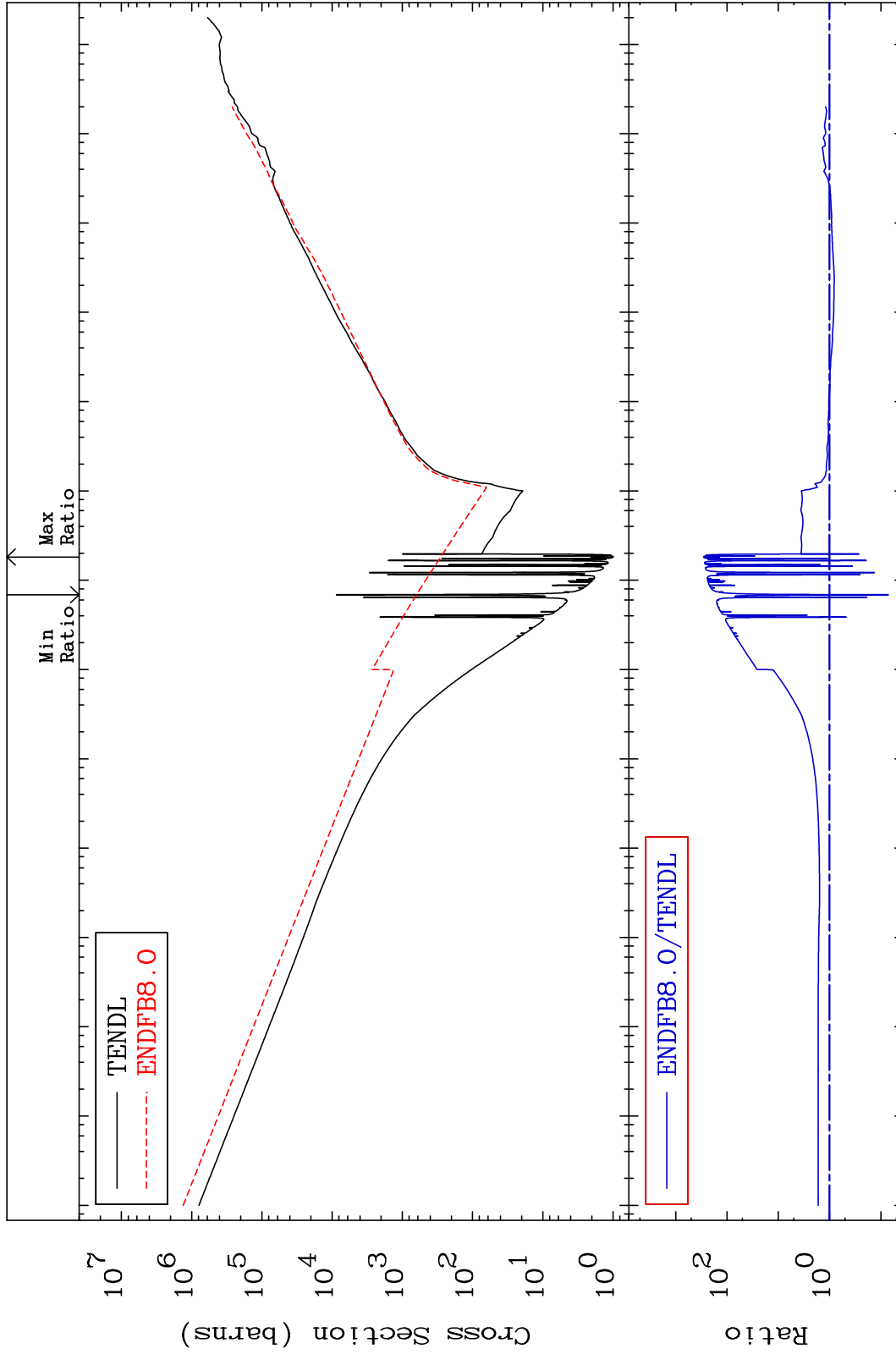
MAT 7625

Dpa total (eV-barns)

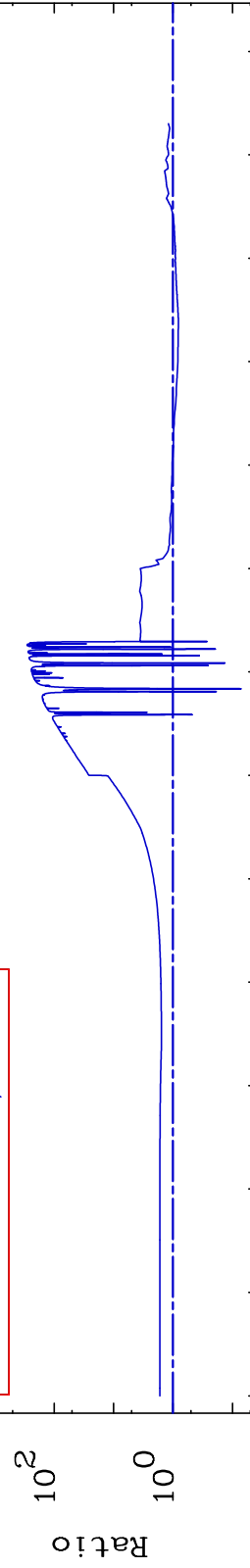
76-0s-184

-92.81 To 9999. %

Cross Section



ENDFB8.0/TENDL



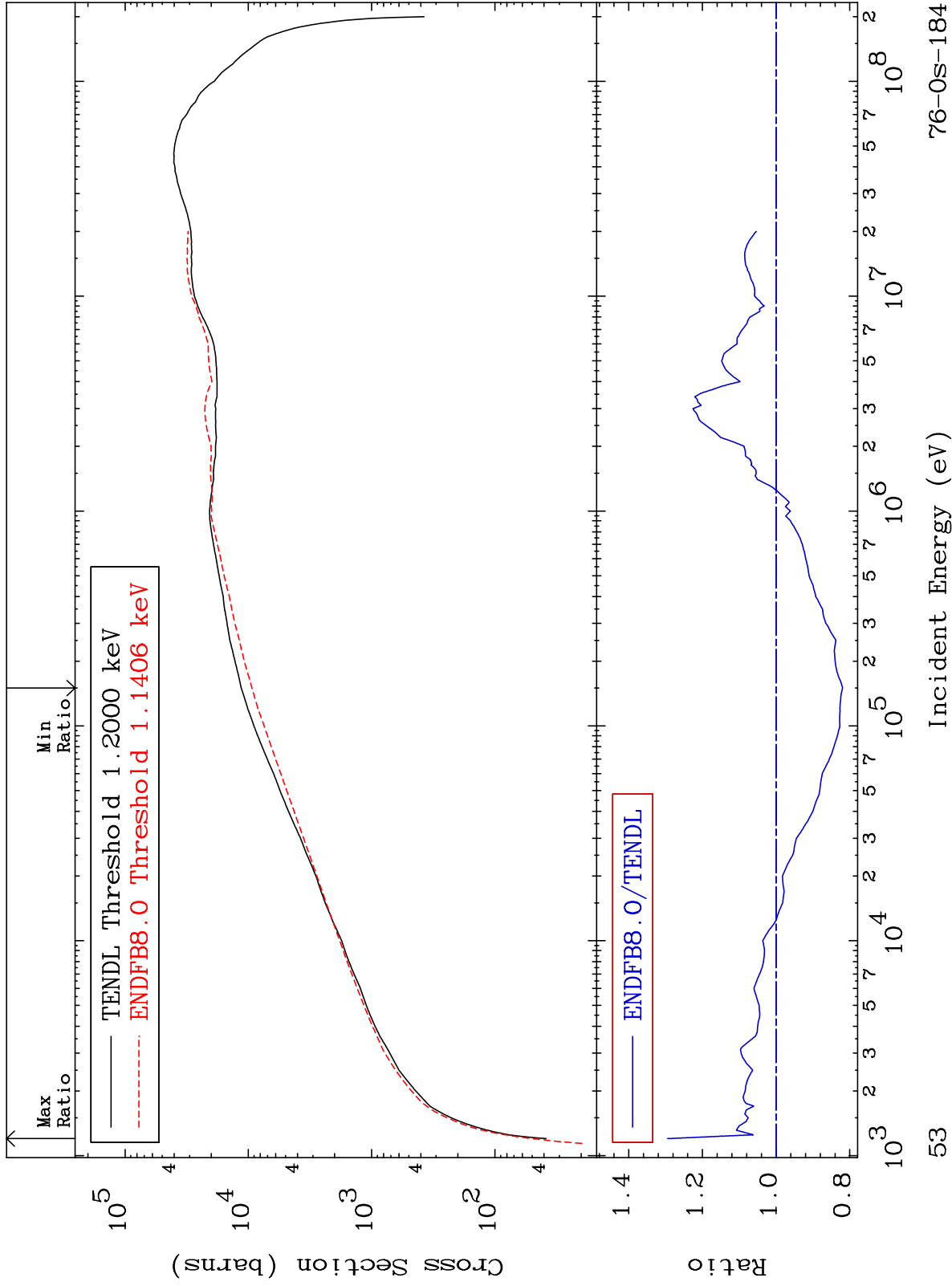
Incident Energy (eV)

76-0s-184

MAT 7625

Dpa elastic (mt2)  
Cross Section

76-0s-184  
-18.07 To 29.47 %



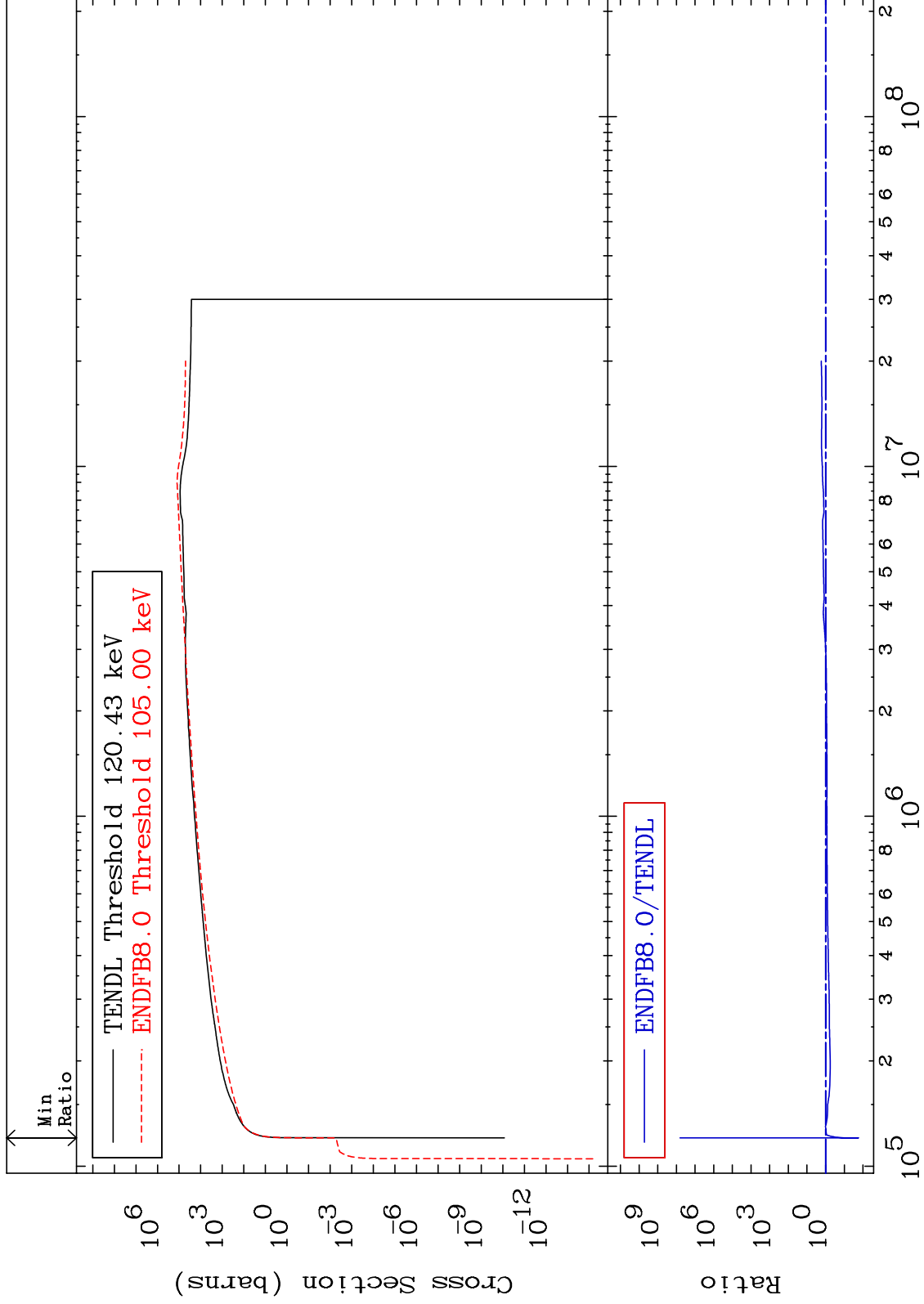
53

76-0s-184

MAT 7625

Dpa inelastic (mt51-91)  
Cross Section

76-0s-184  
-98.25 To 9999. %



54

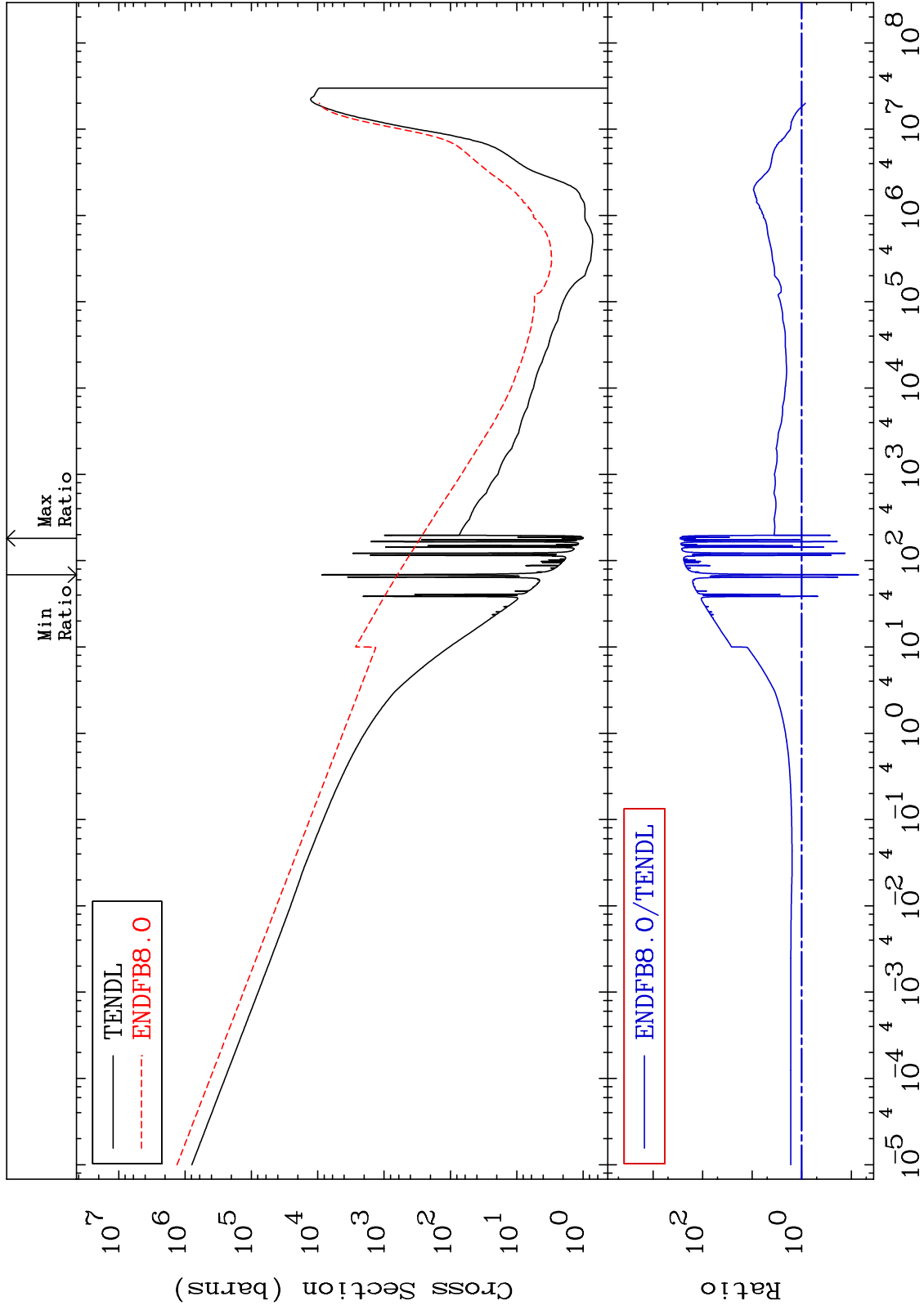
Incident Energy (eV)

76-0s-184

MAT 7625

Dpa disappearance (mt102 -120)  
Cross Section

76-0s-184  
-92.81 To 9999. %



55

Incident Energy (eV)

76-0s-184