

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

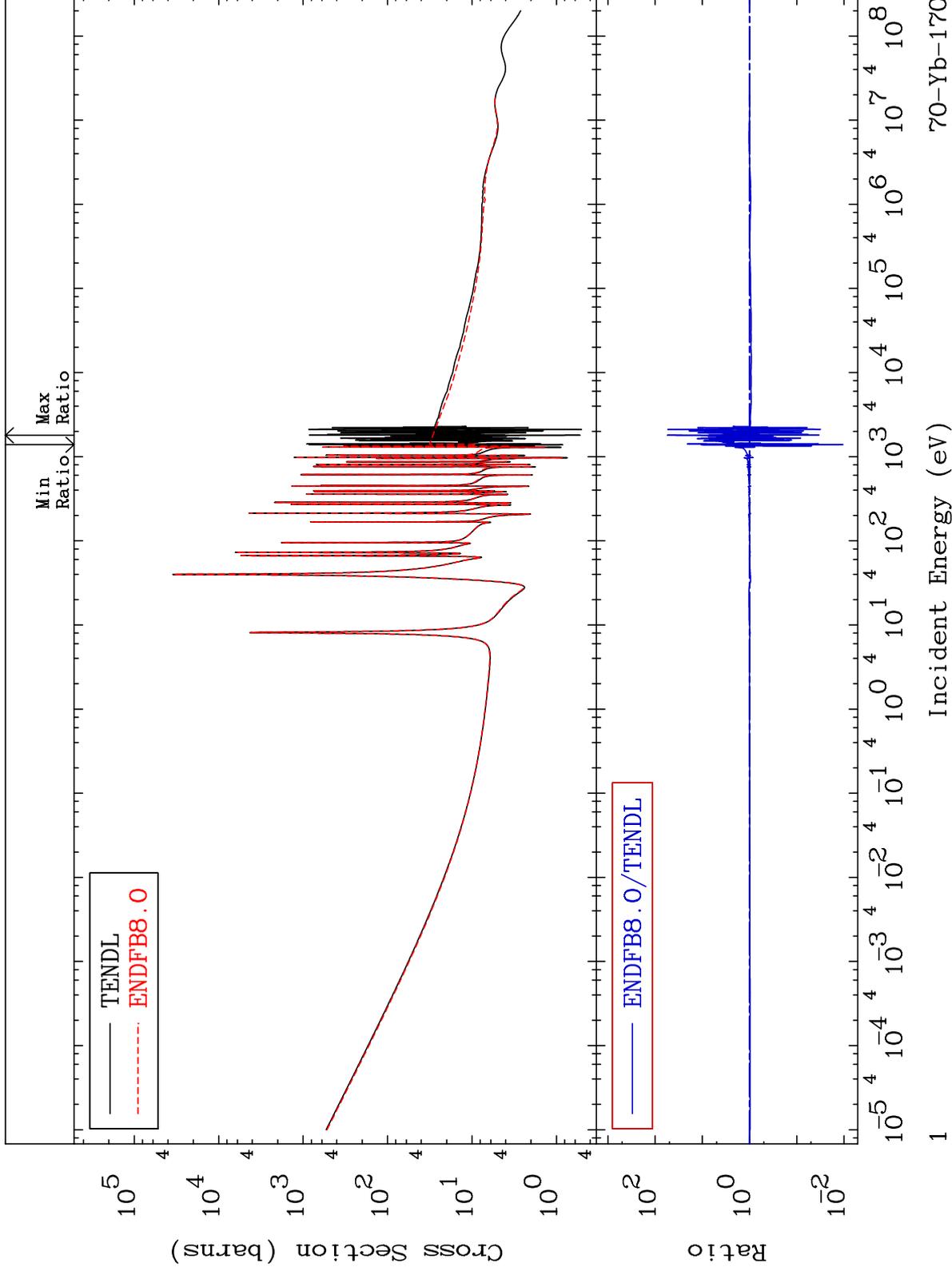
MAT 7031

Total

70-Yb-170

Cross Section

-98.94 To 5406. %



70-Yb-170

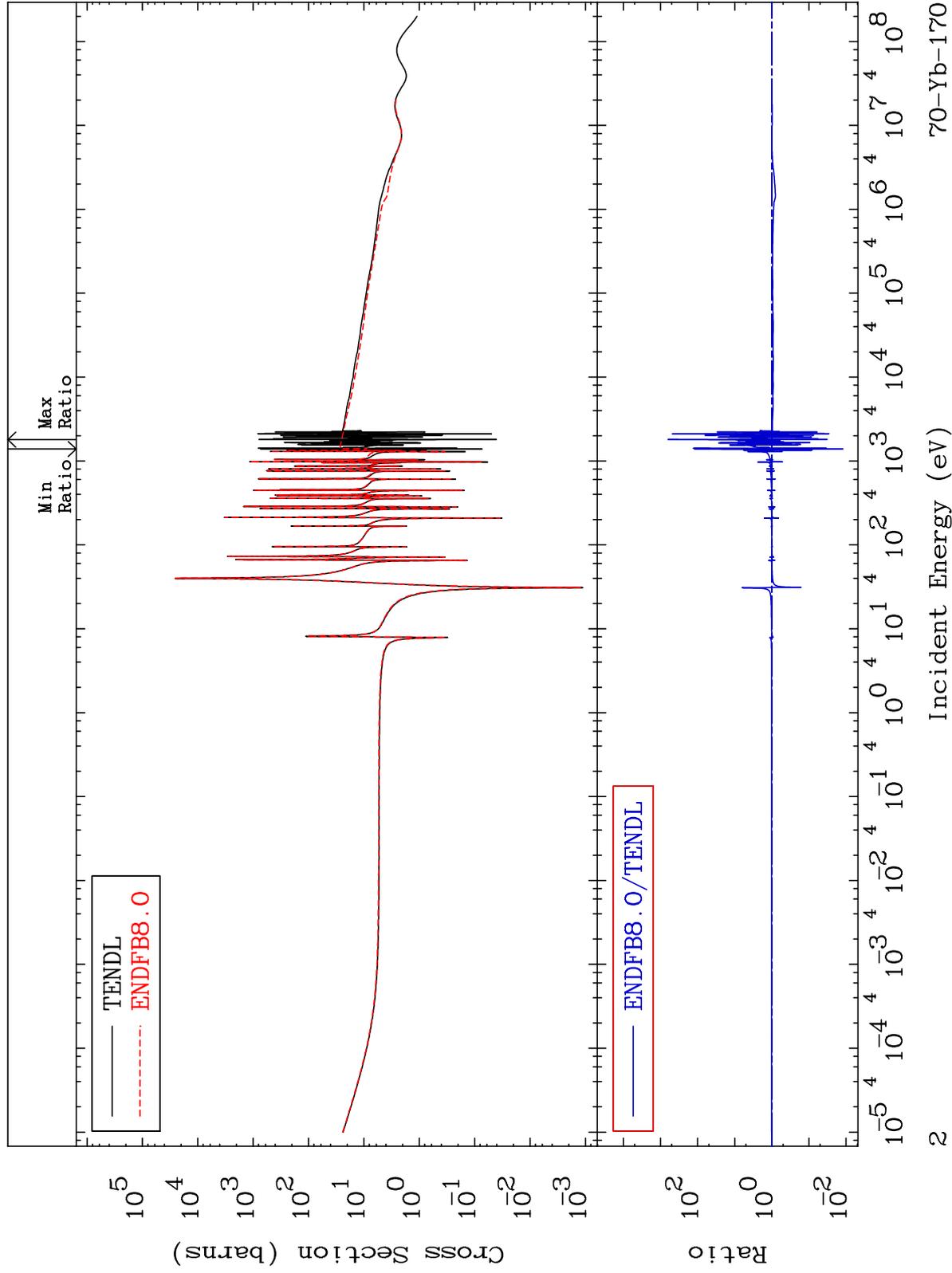
MAT 7031

Elastic

Cross Section

70-Yb-170

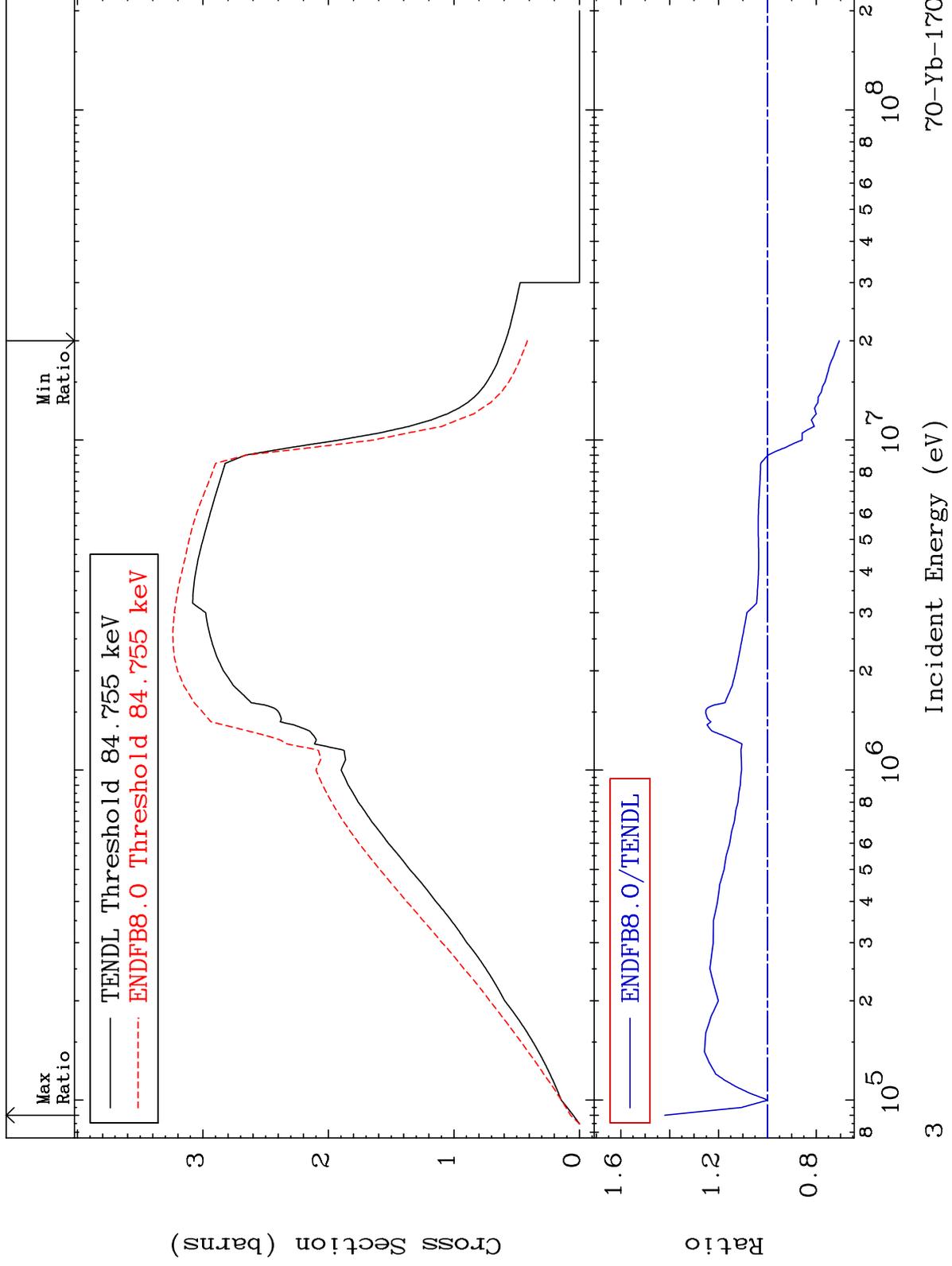
-98.79 To 9999. %



MAT 7031

Inelastic  
Cross Section

70-Yb-170  
-29.49 To 41.97 %



MAT 7031

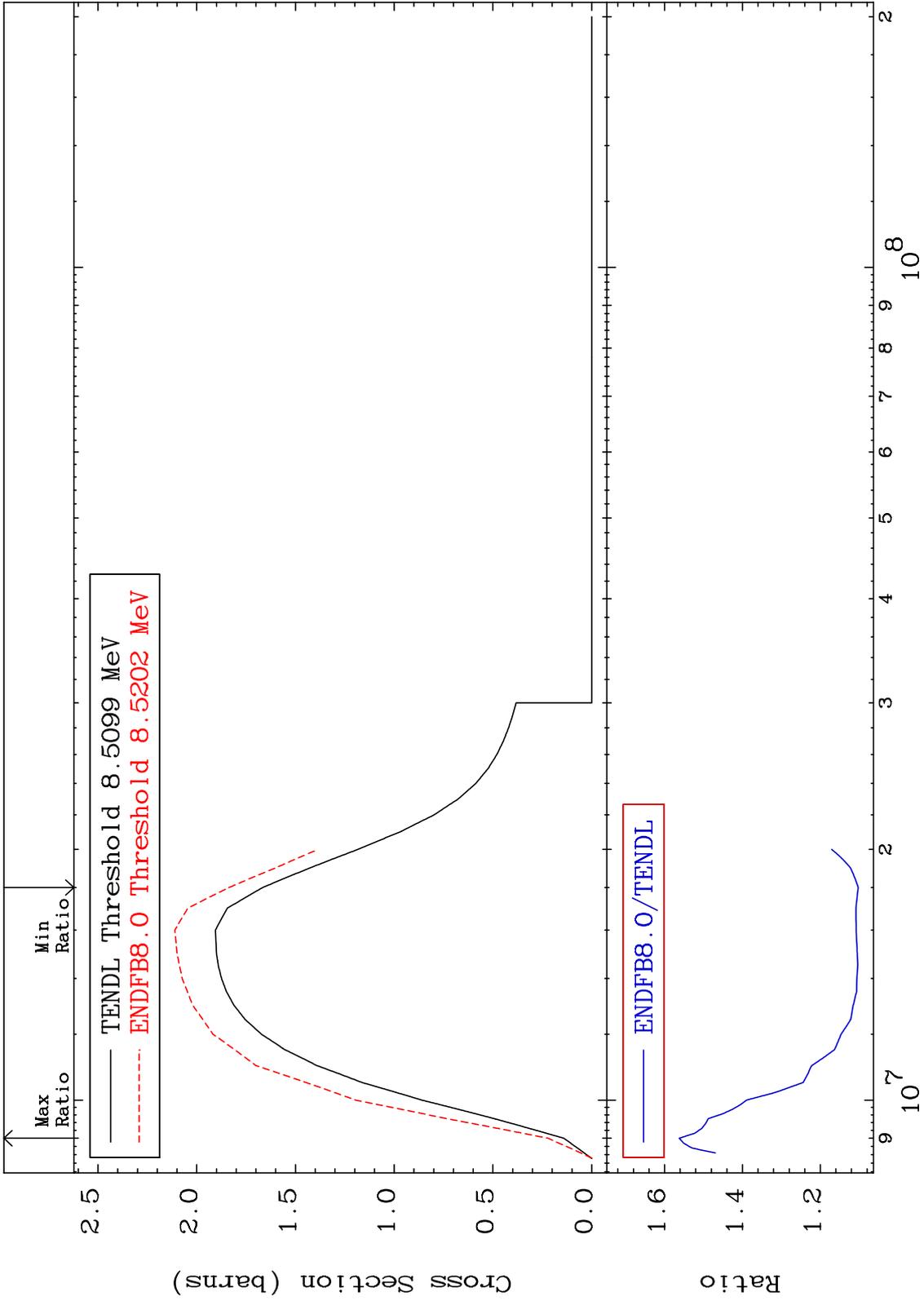
(n,2n)

70-Yb-170

Cross Section

10.27

To 56.21 %



4

Incident Energy (eV)

70-Yb-170

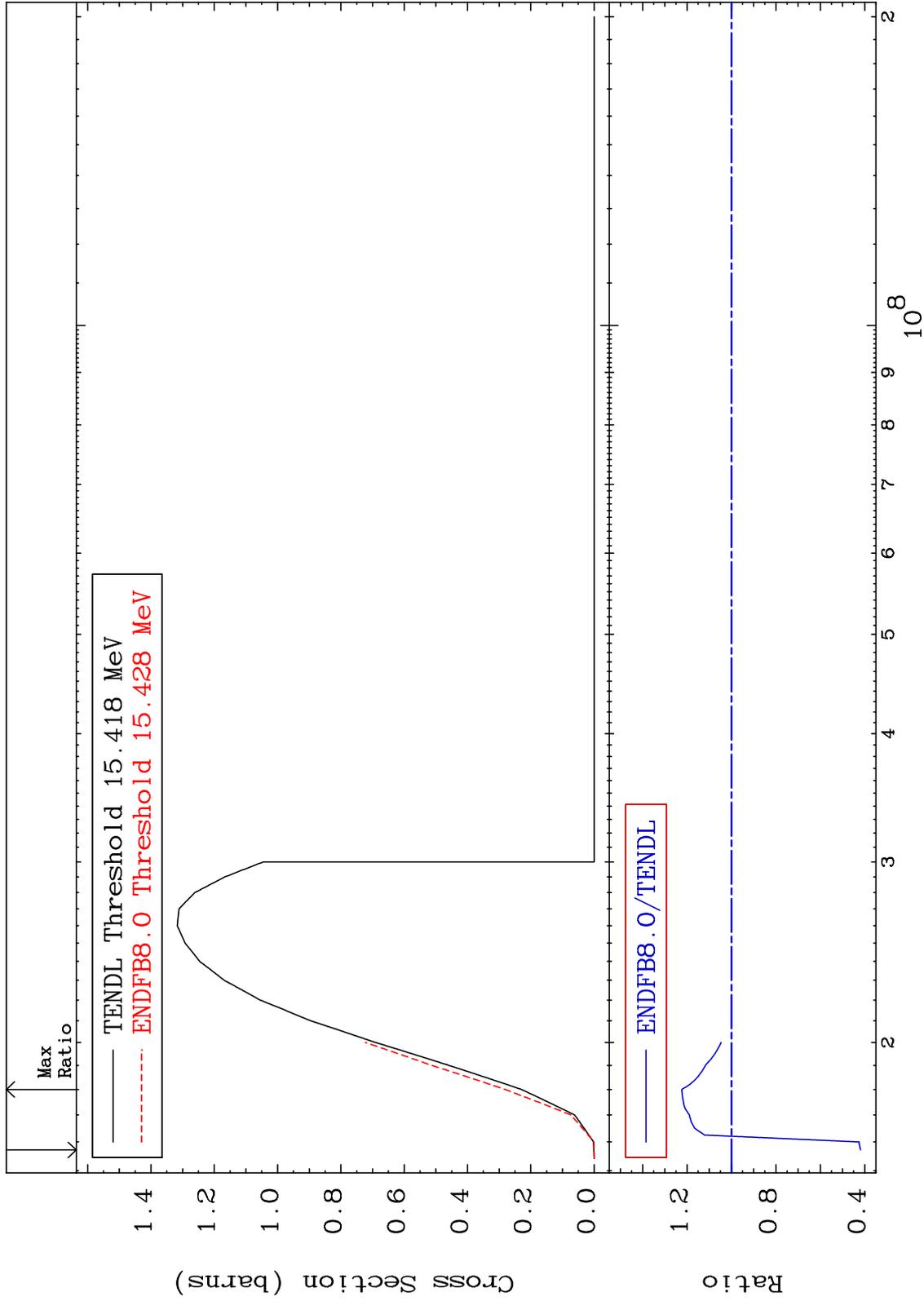
MAT 7031

(n, 3n)

70-Yb-170

Cross Section

-58.17 To 22.40 %



5

Incident Energy (eV)

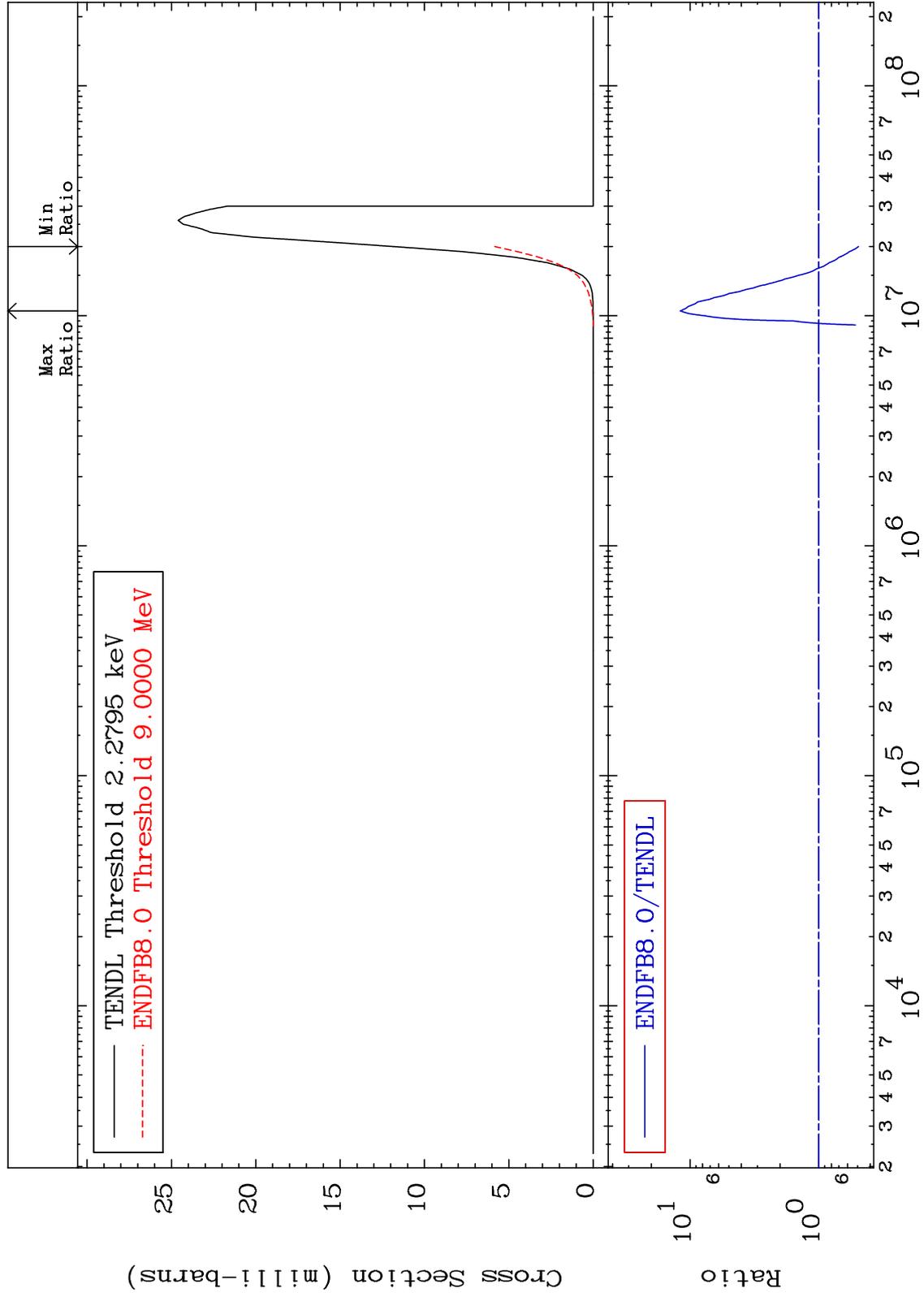
70-Yb-170

MAT 7031

(n, n')  $\alpha$

Cross Section

70-Yb-170  
-50.75 To 1090. %



6

Incident Energy (eV)

70-Yb-170

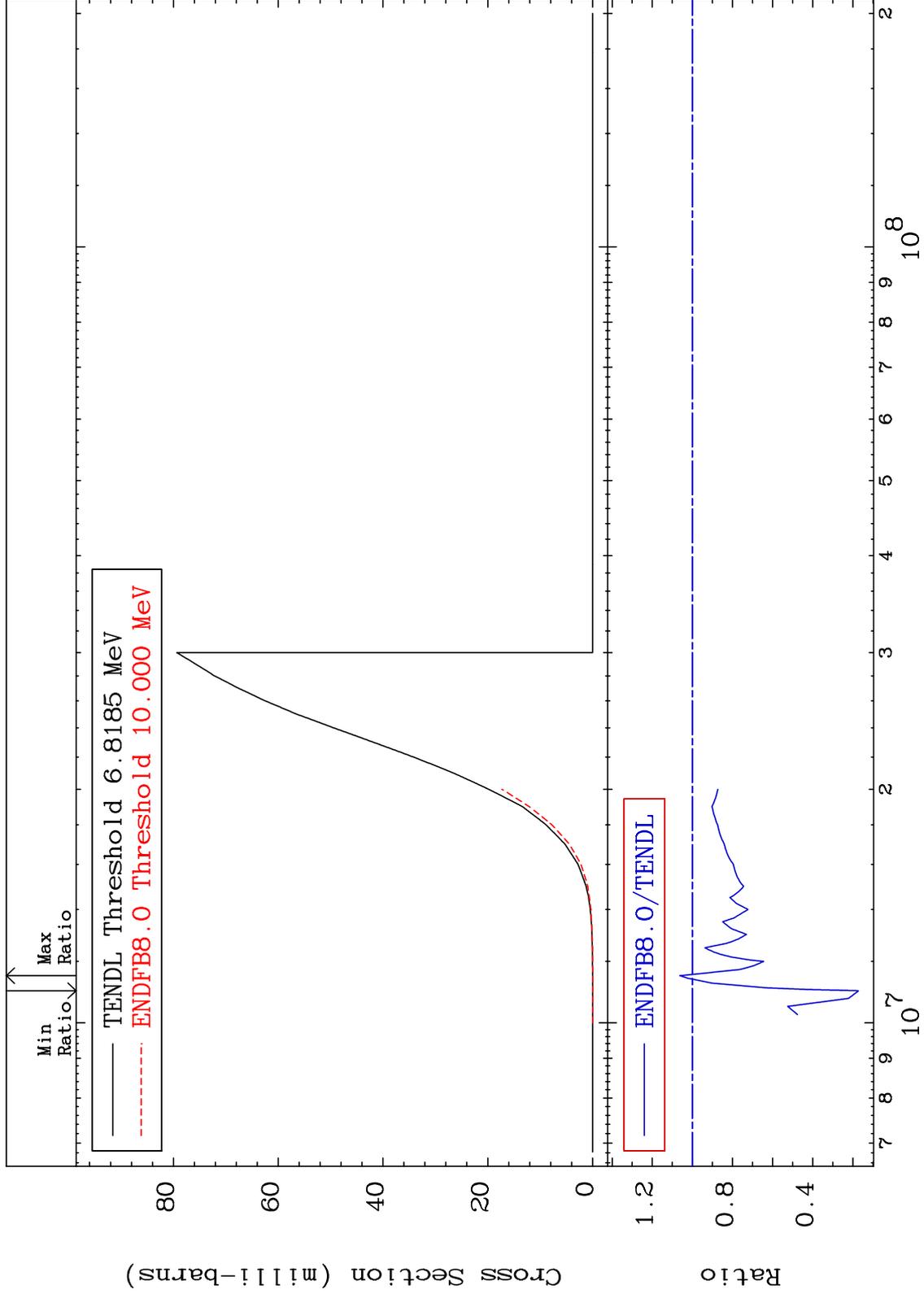
MAT 7031

(n,n') p

70-Yb-170

Cross Section

-82.76 To 6.198 %



7

70-Yb-170

70-Yb-170

MAT 7031

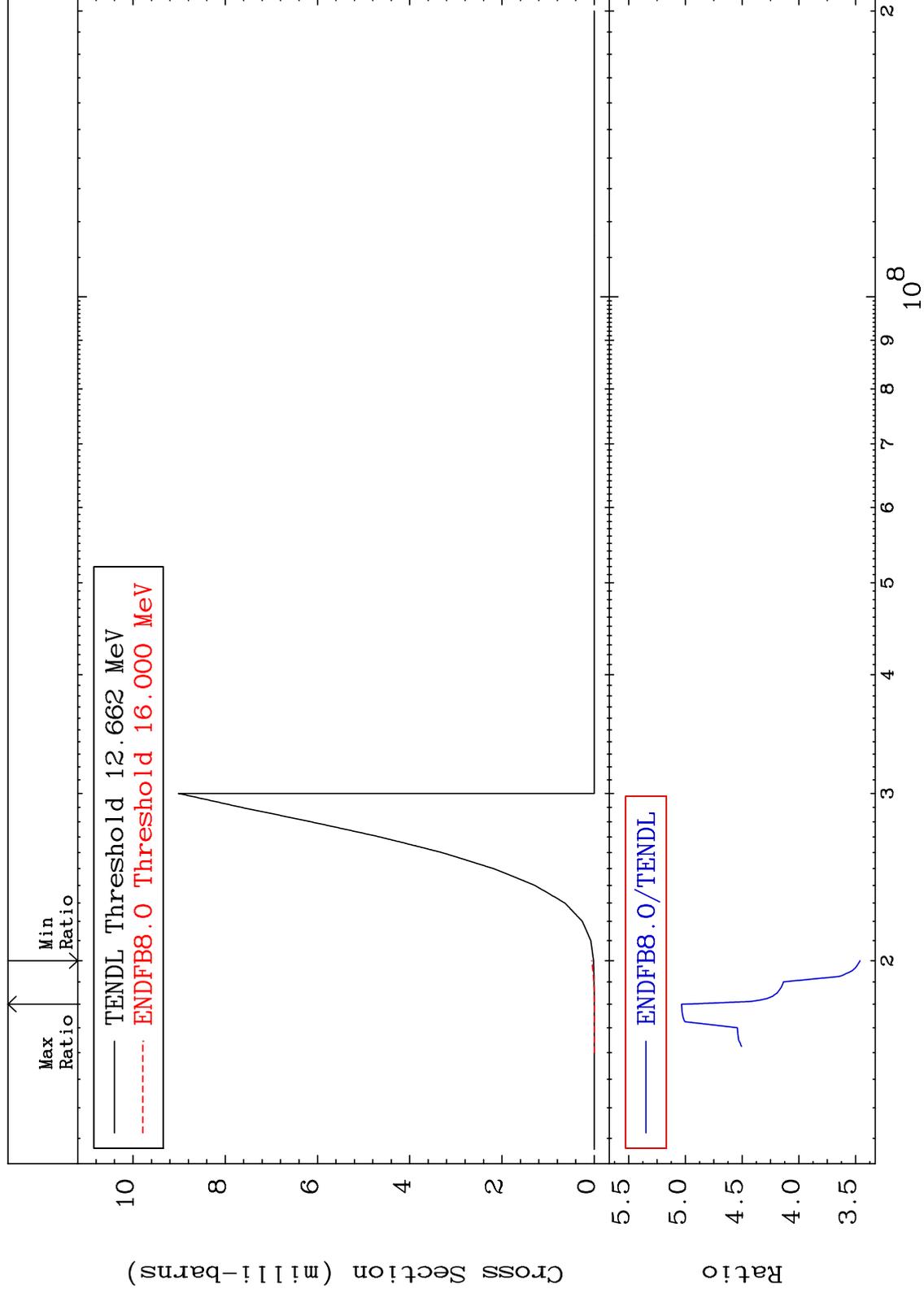
(n,n') d

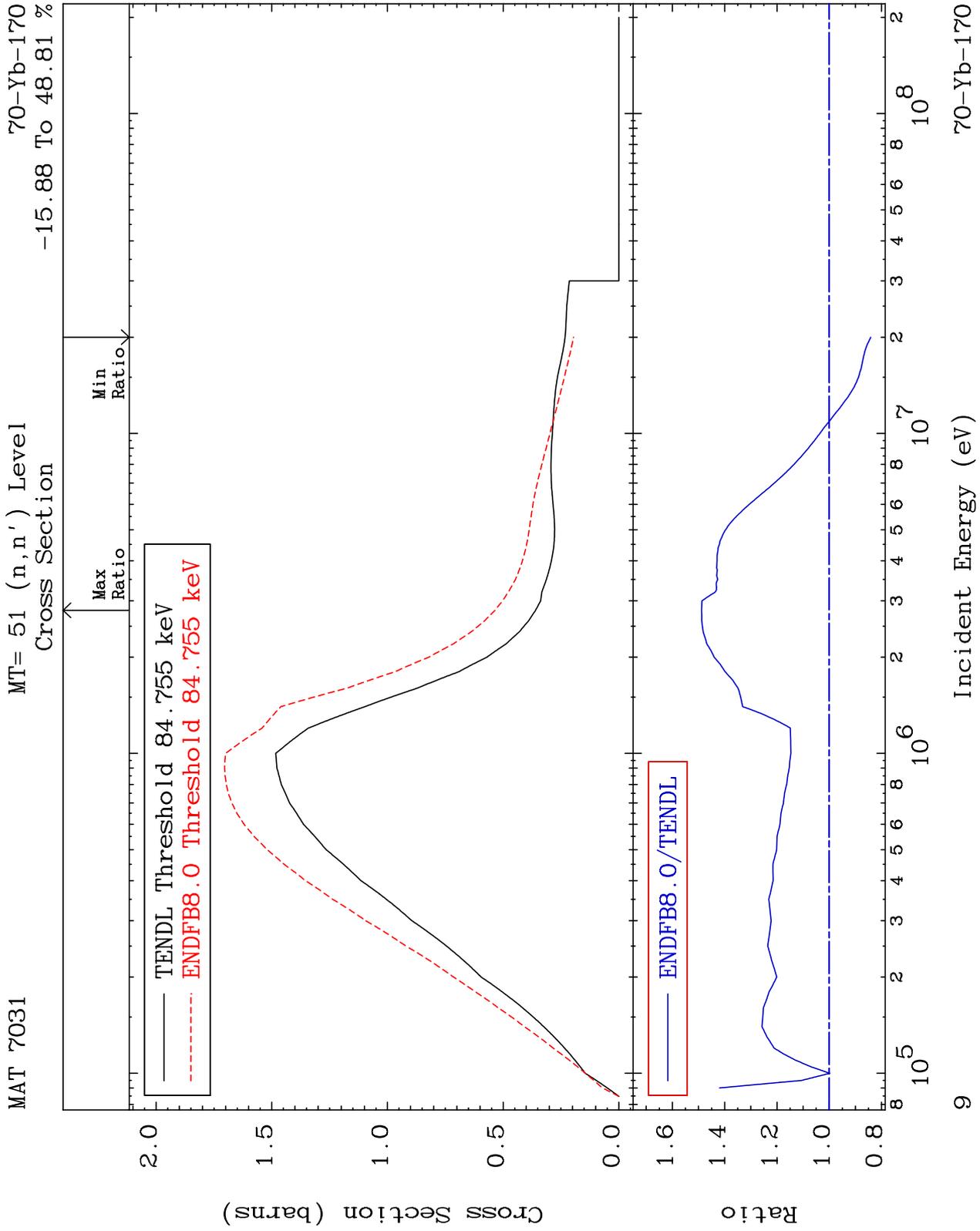
70-Yb-170

Cross Section

246.0

To 403.4 %

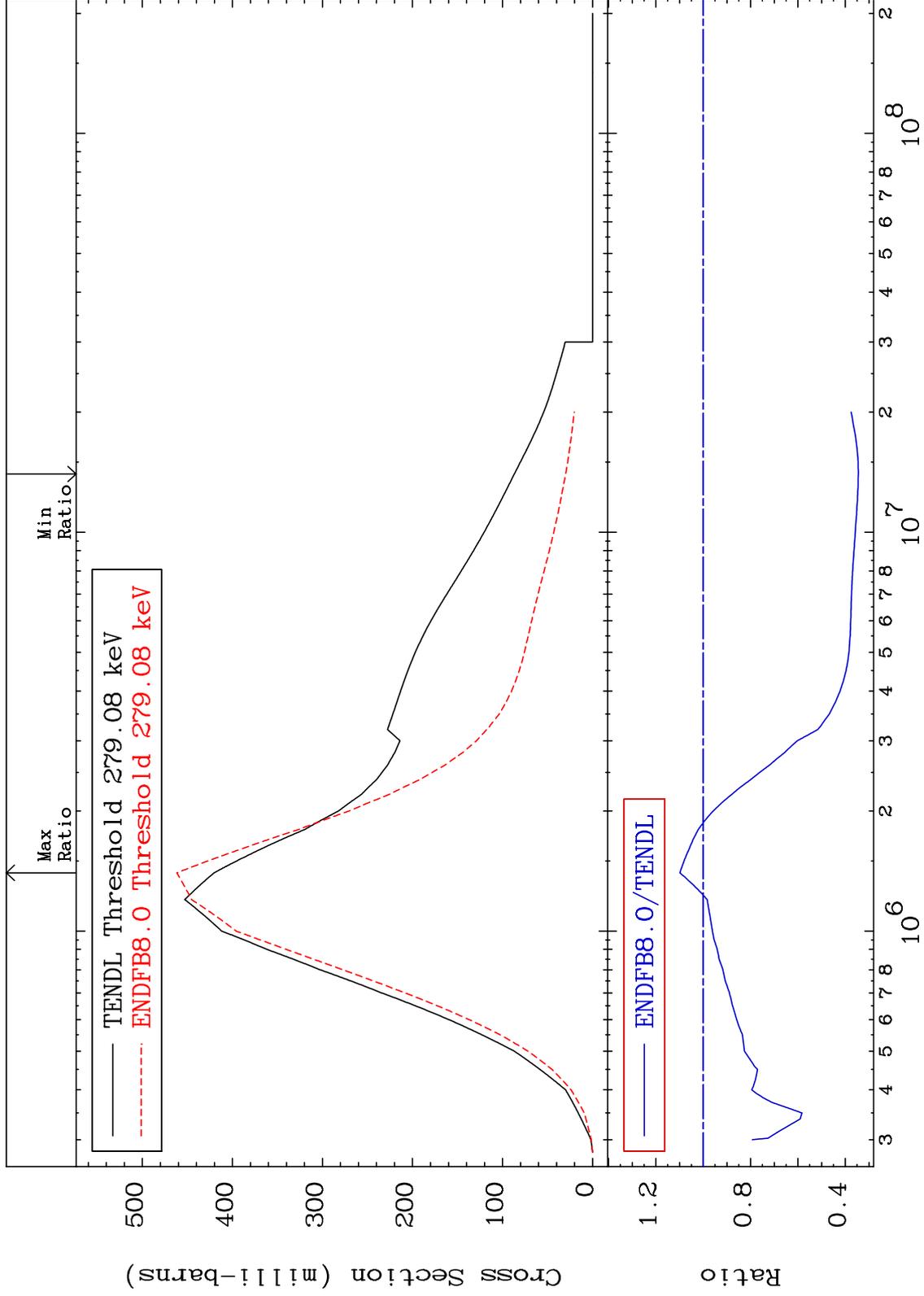




MAT 7031

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

70-Yb-170  
-65.54 To 9.837 %

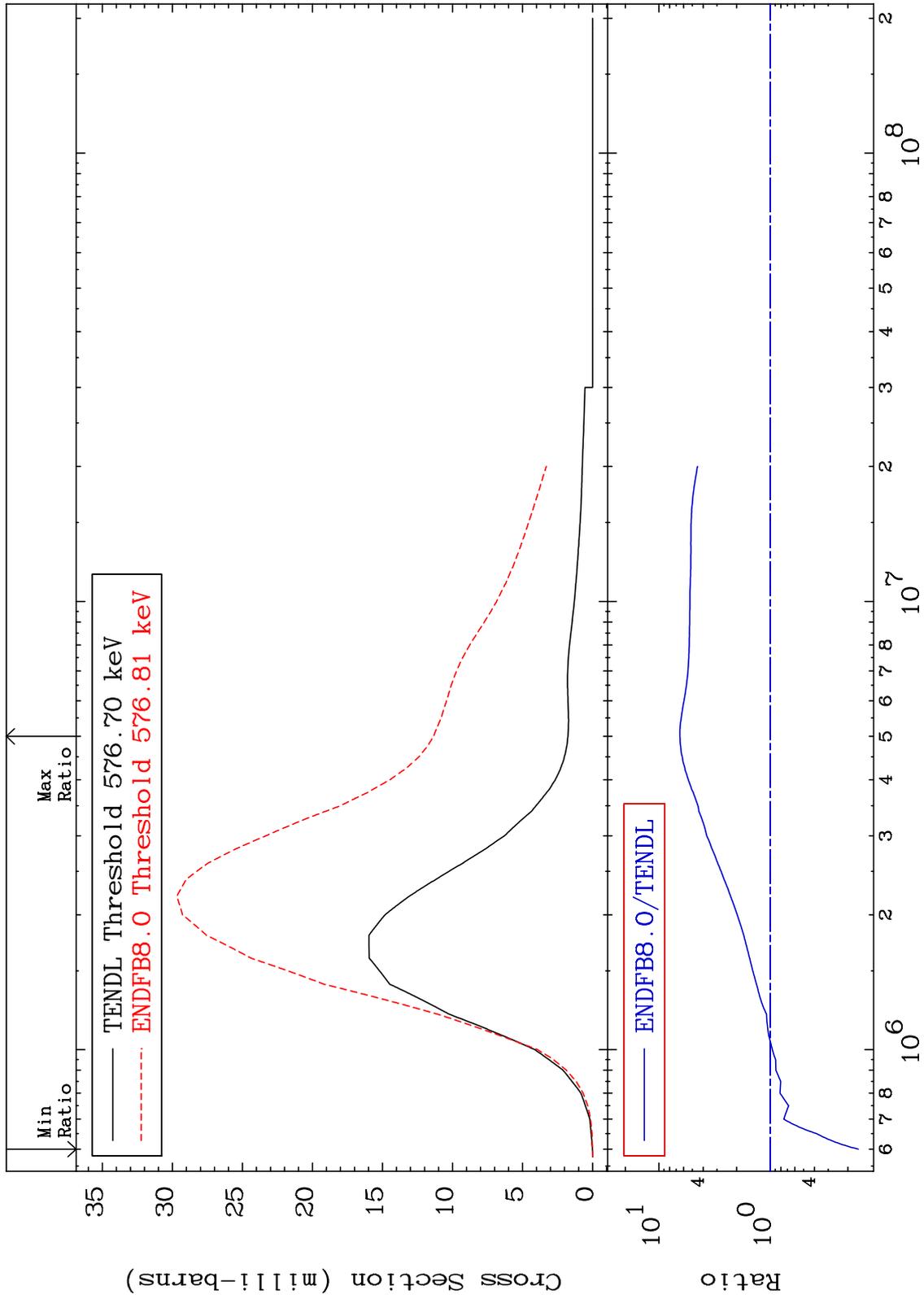


70-Yb-170

Incident Energy (eV)

10

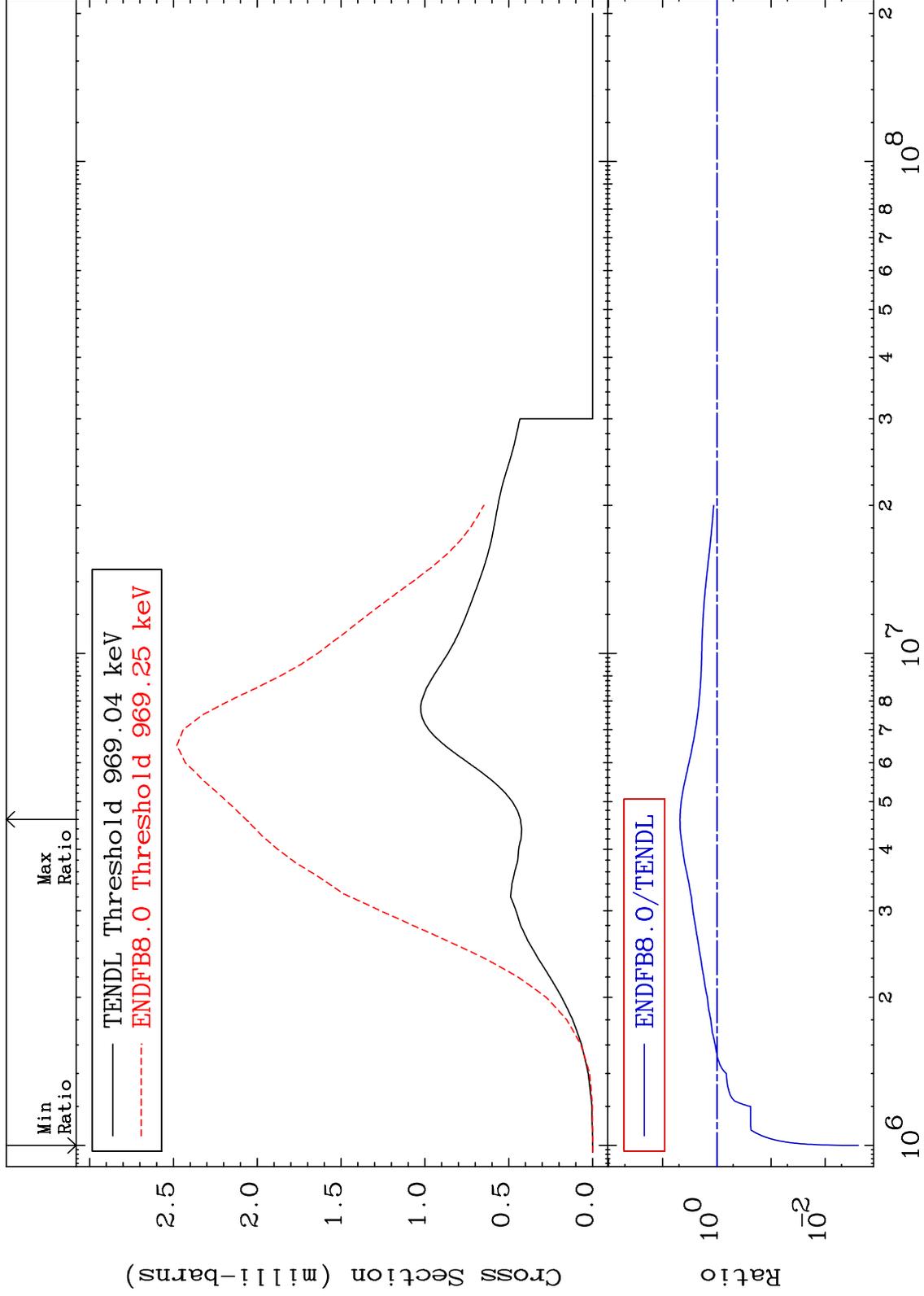
MAT 7031 MT= 53 (n,n') Level Cross Section -83.90 To 546.2 % 70-Yb-170



MAT 7031

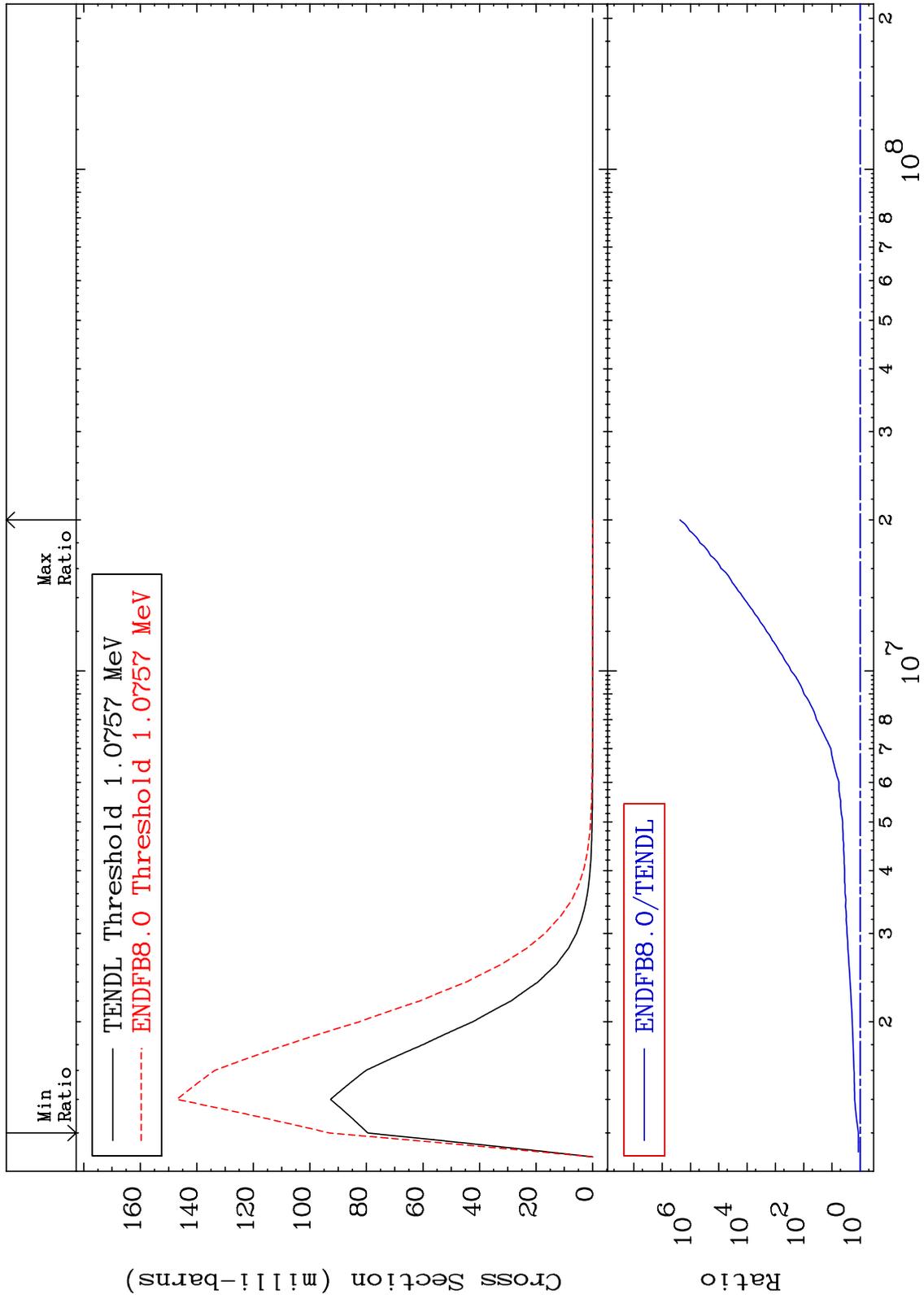
MT= 54 (n,n') Level  
Cross Section

70-Yb-170  
-99.76 To 380.7 %



12 70-Yb-170

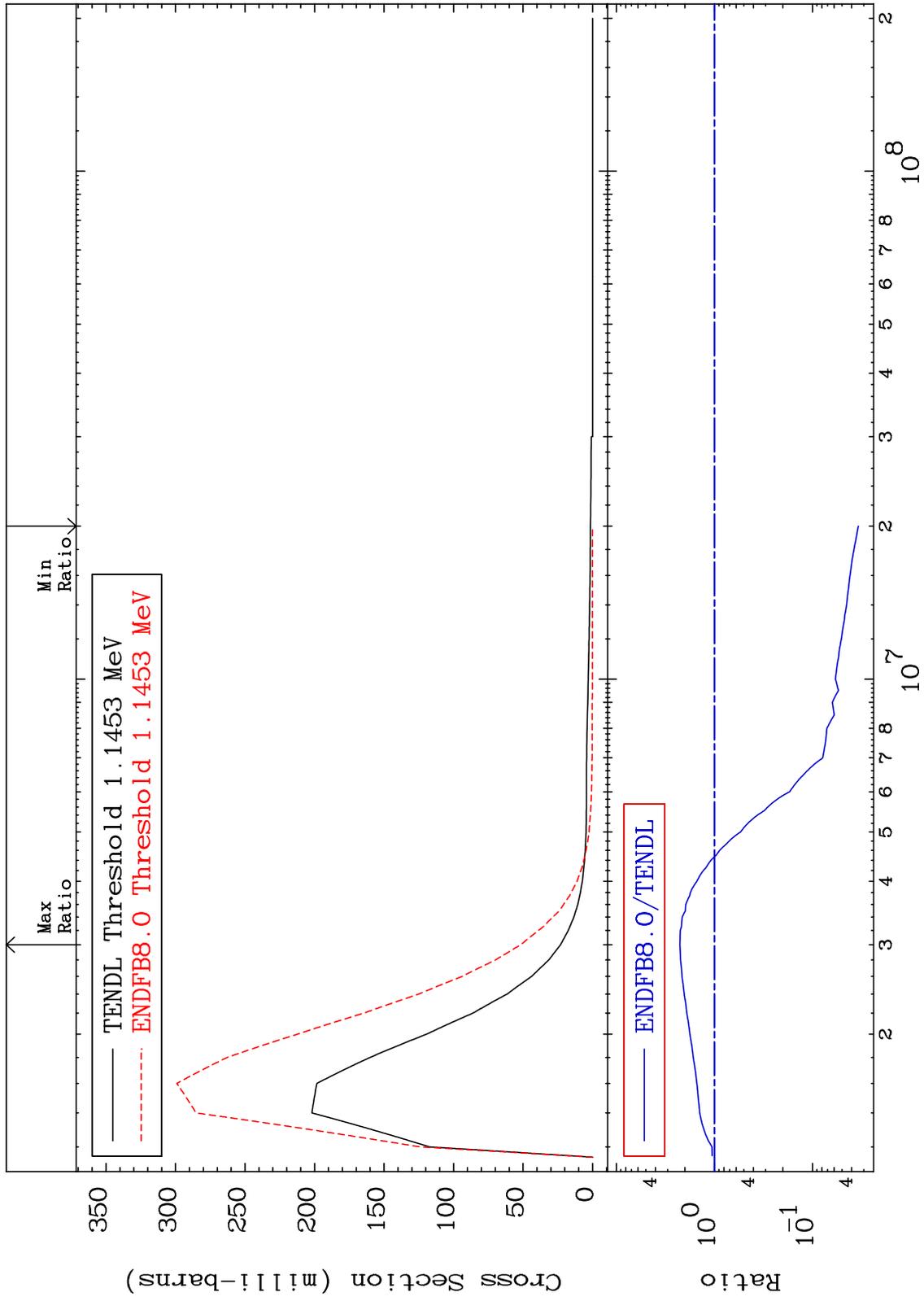
MAT 7031 MT= 55 (n,n') Level Cross Section 70-Yb-170 To 9999. %  
 17.07



MAT 7031

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

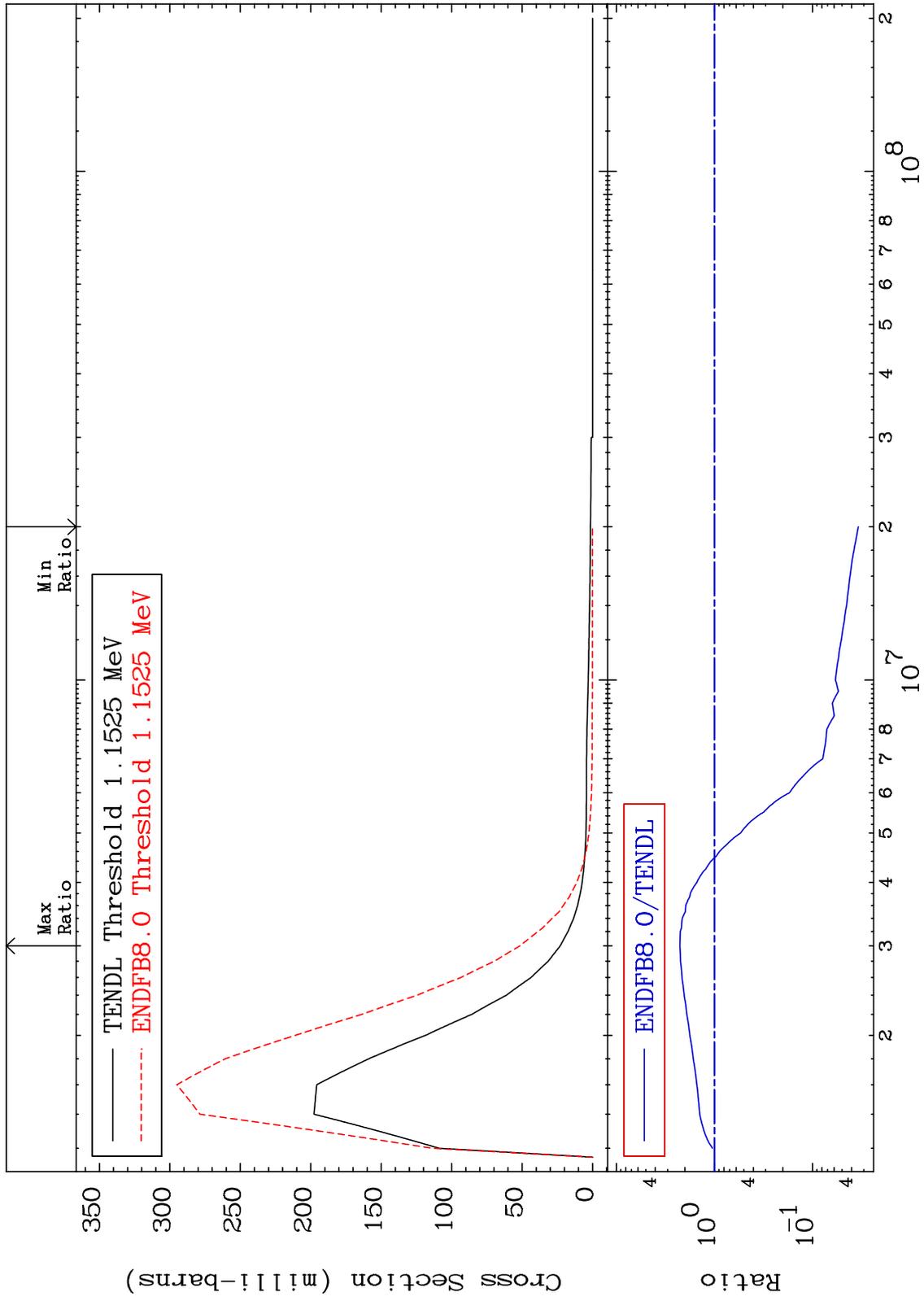
70-Yb-170  
-96.60 To 124.5 %



MAT 7031

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

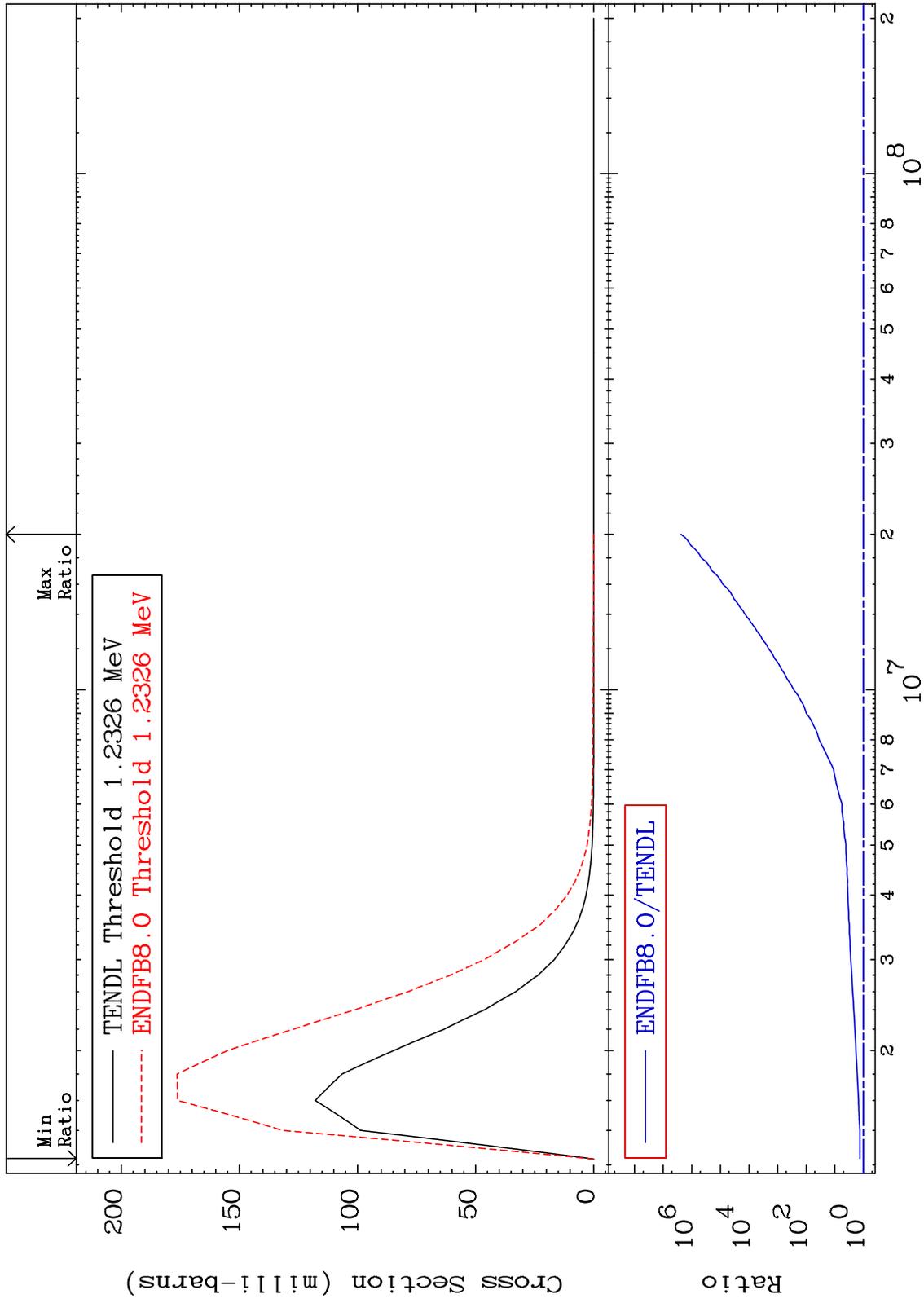
70-Yb-170  
-96.60 To 124.4 %



MAT 7031

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

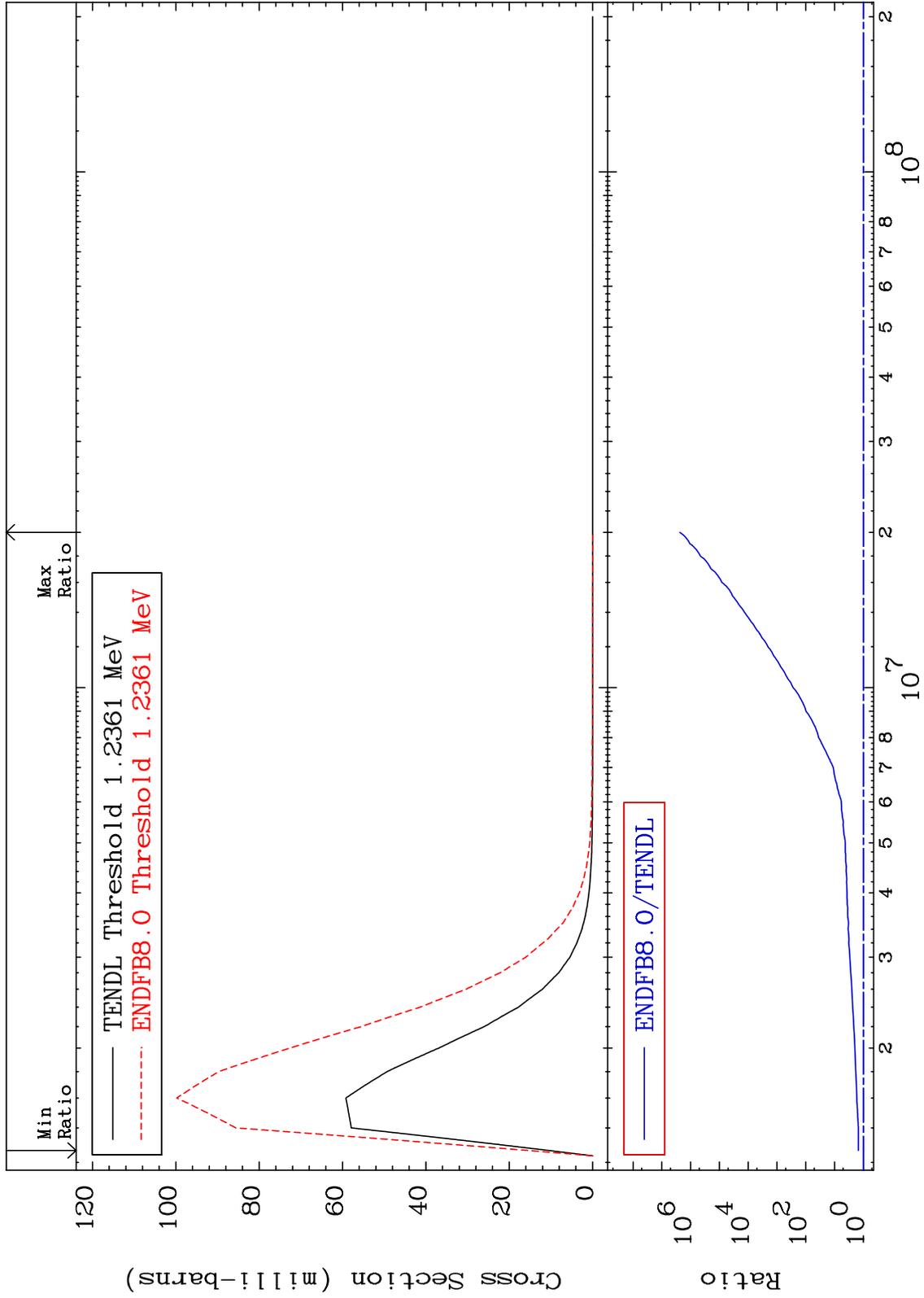
70-Yb-170  
32.88 To 9999. %



MAT 7031

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

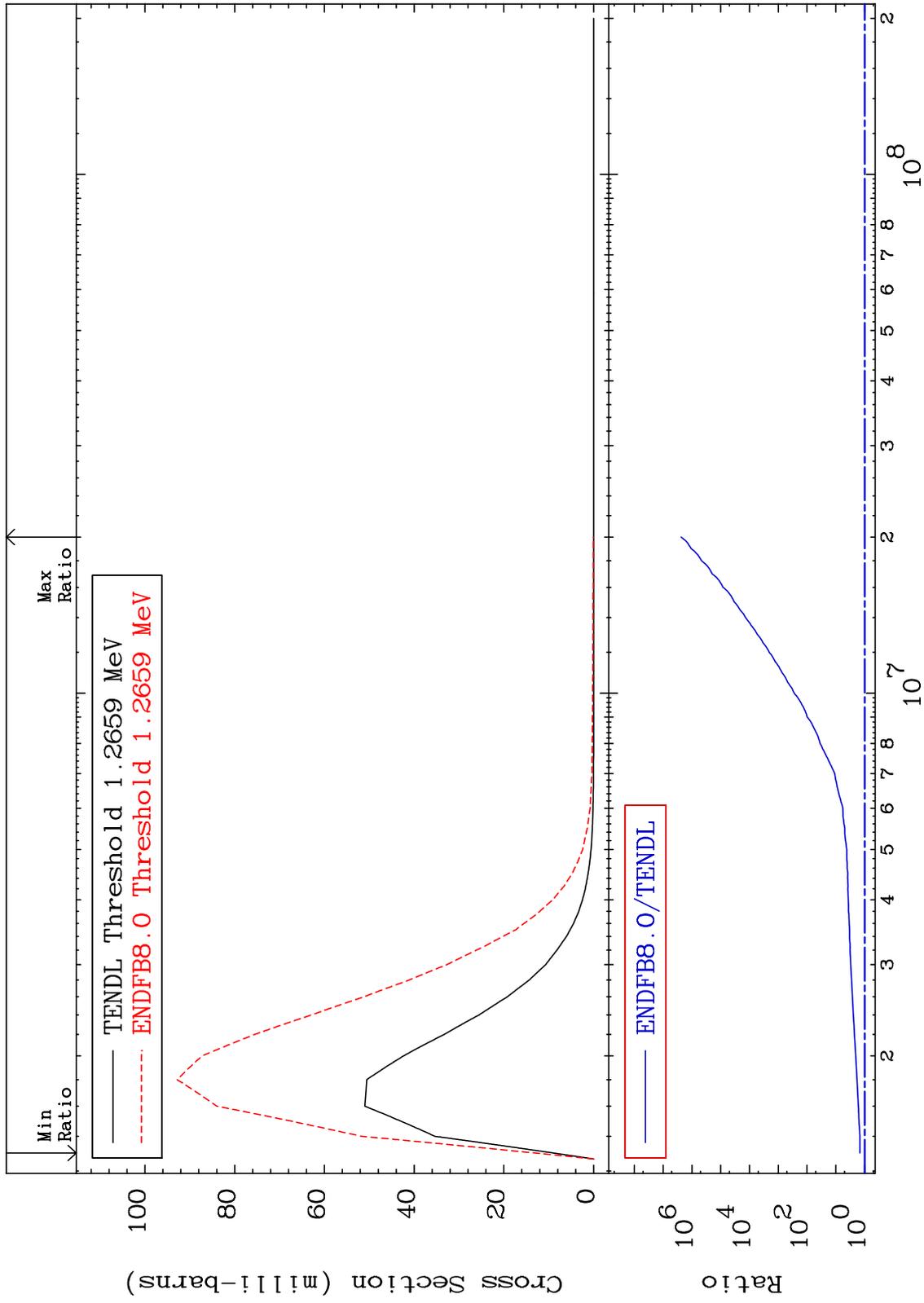
70-Yb-170  
47.63 To 9999. %



MAT 7031

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

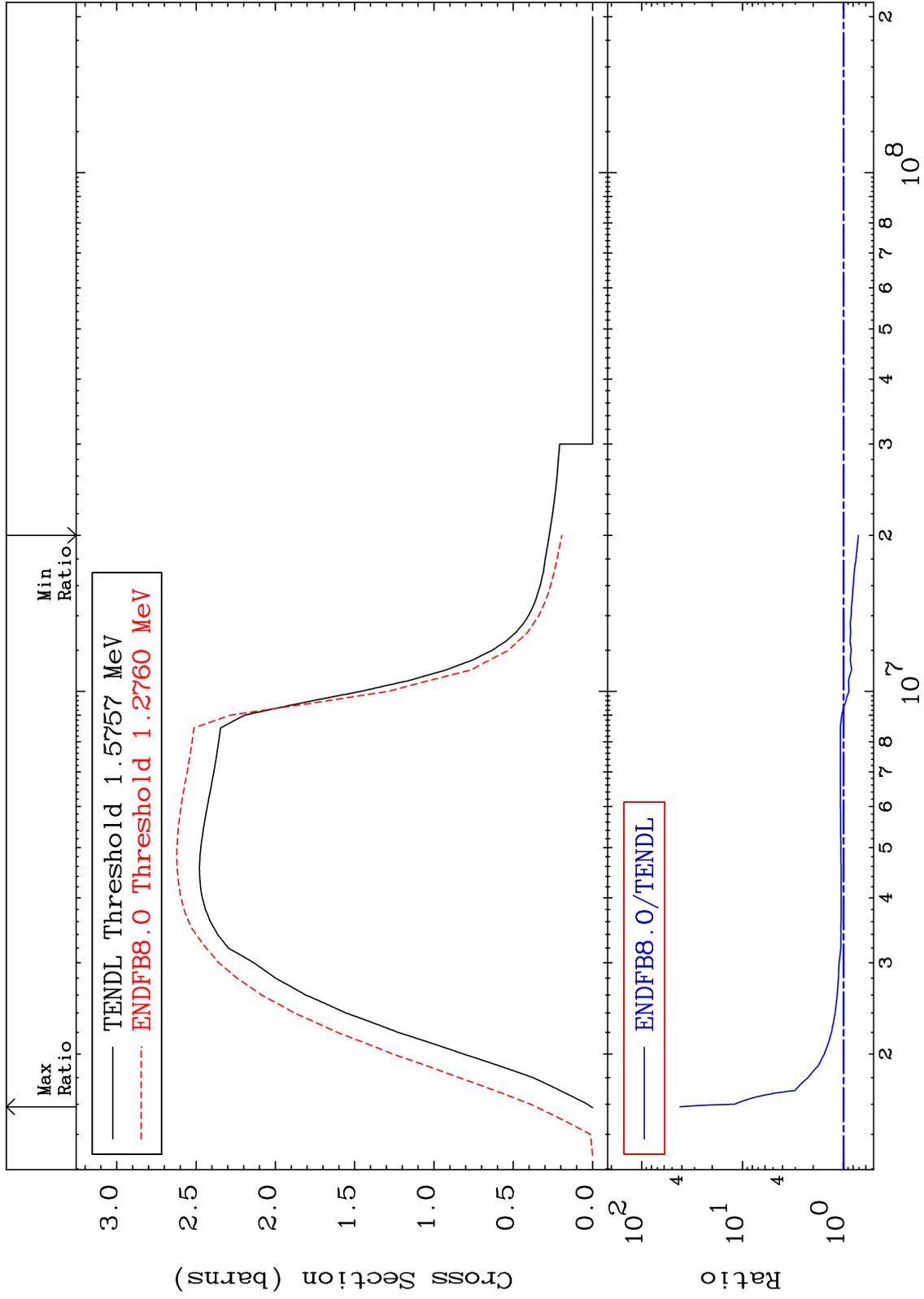
70-Yb-170  
46.15 To 9999. %



MAT 7031

(n, n') Continuum  
Cross Section

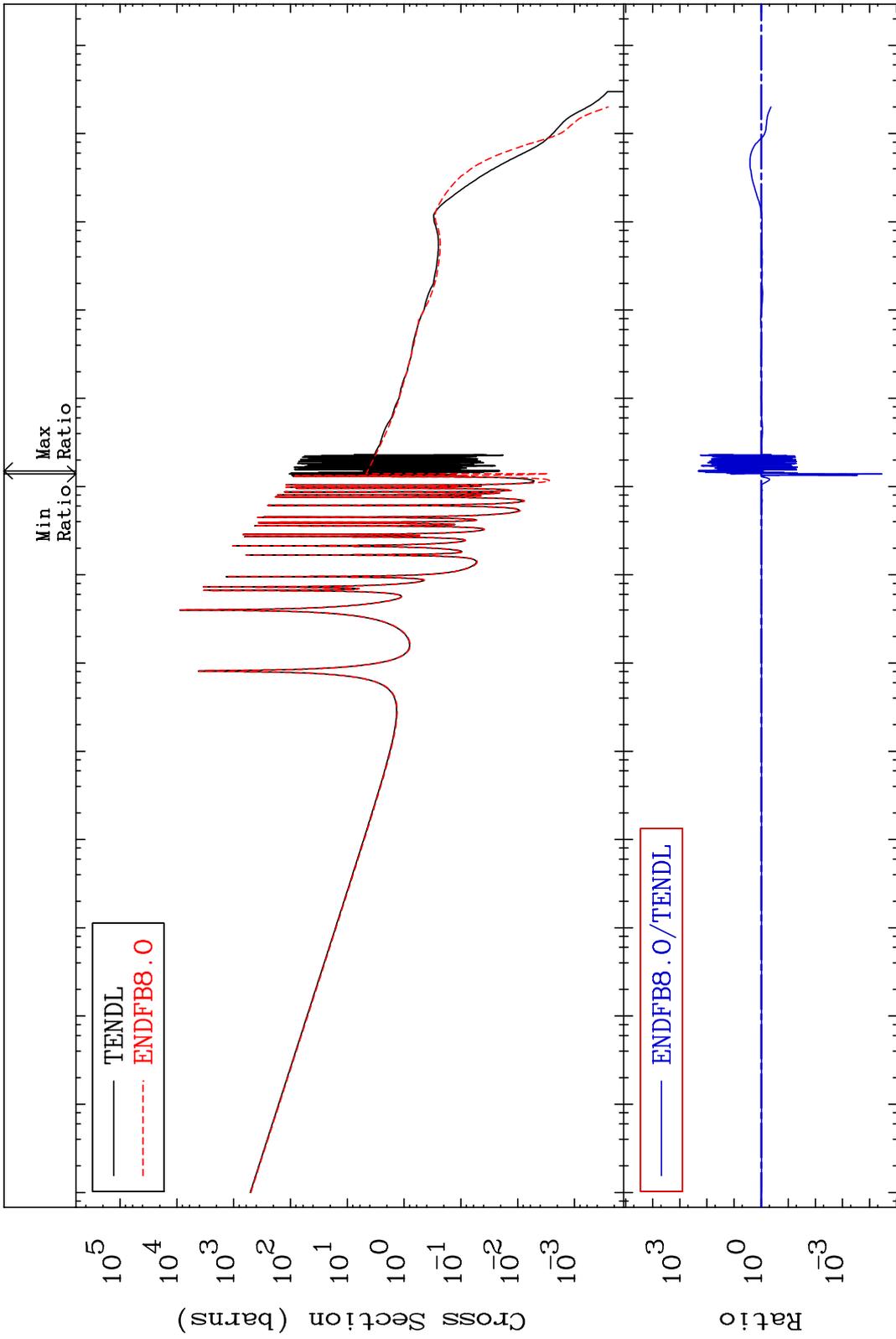
70-Yb-170  
-28.92 To 4082. %



MAT 7031

(n,  $\gamma$ )  
Cross Section

70-Yb-170  
-100.0 To 9999. %



— TENDL  
- - - ENDFB8.0

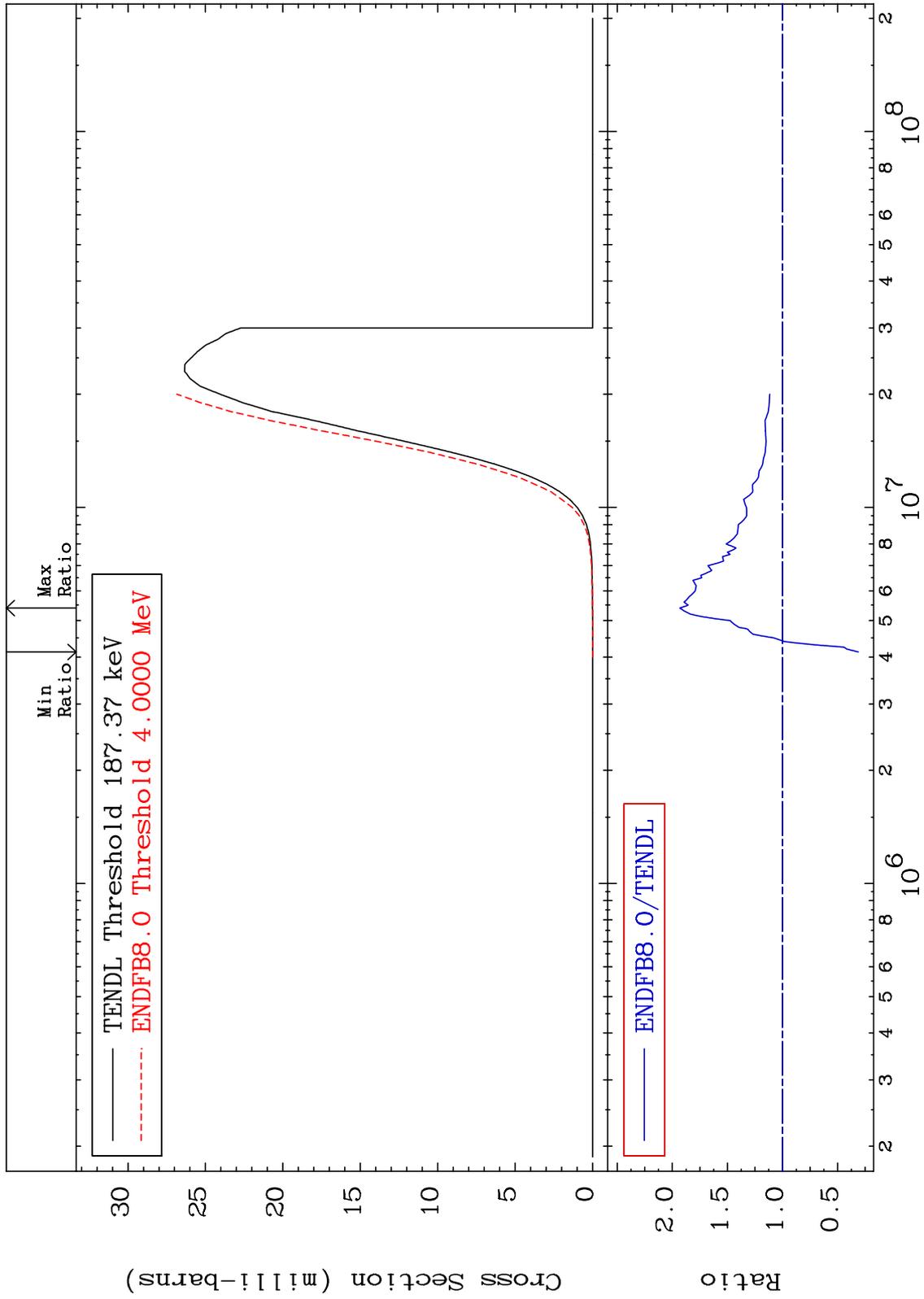
— ENDFB8.0/TENDL

Incident Energy (eV)

MAT 7031

(n, p)  
Cross Section

70-Yb-170  
-68.87 To 93.08 %



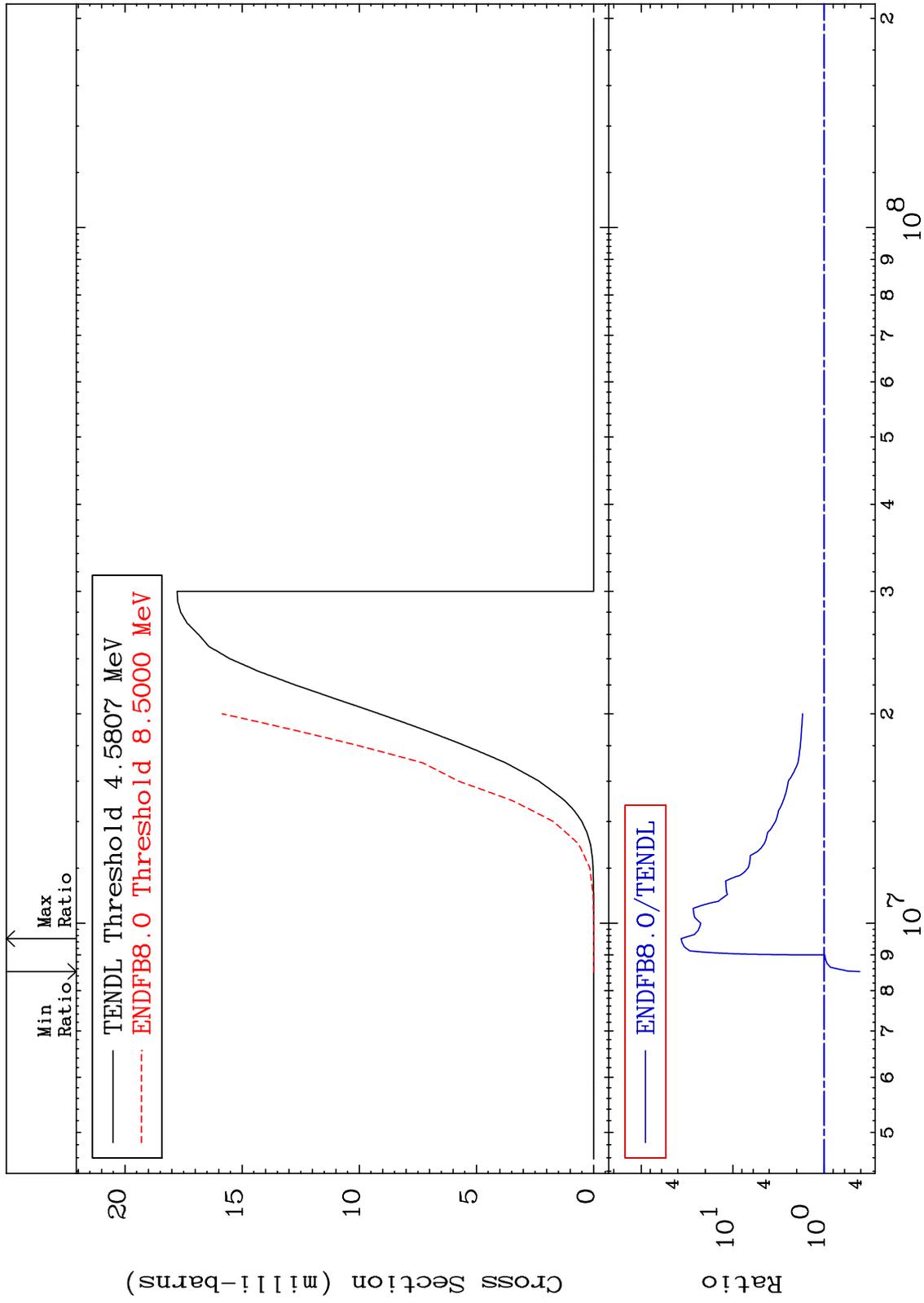
MAT 7031

(n, d)

70-Yb-170

Cross Section

-59.15 To 3576. %



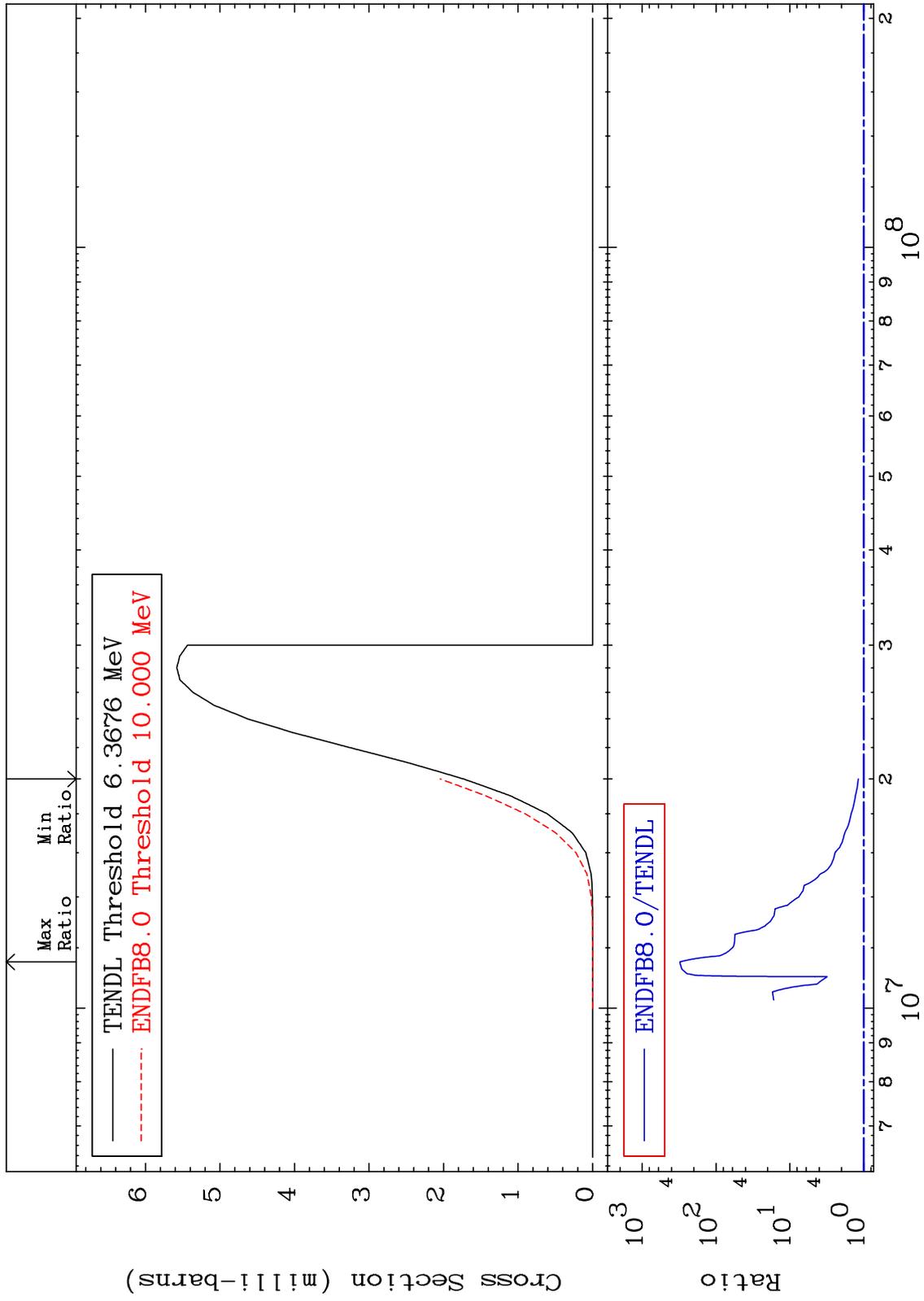
MAT 7031

(n, t)

70-Yb-170

Cross Section

18.21 To 9999. %



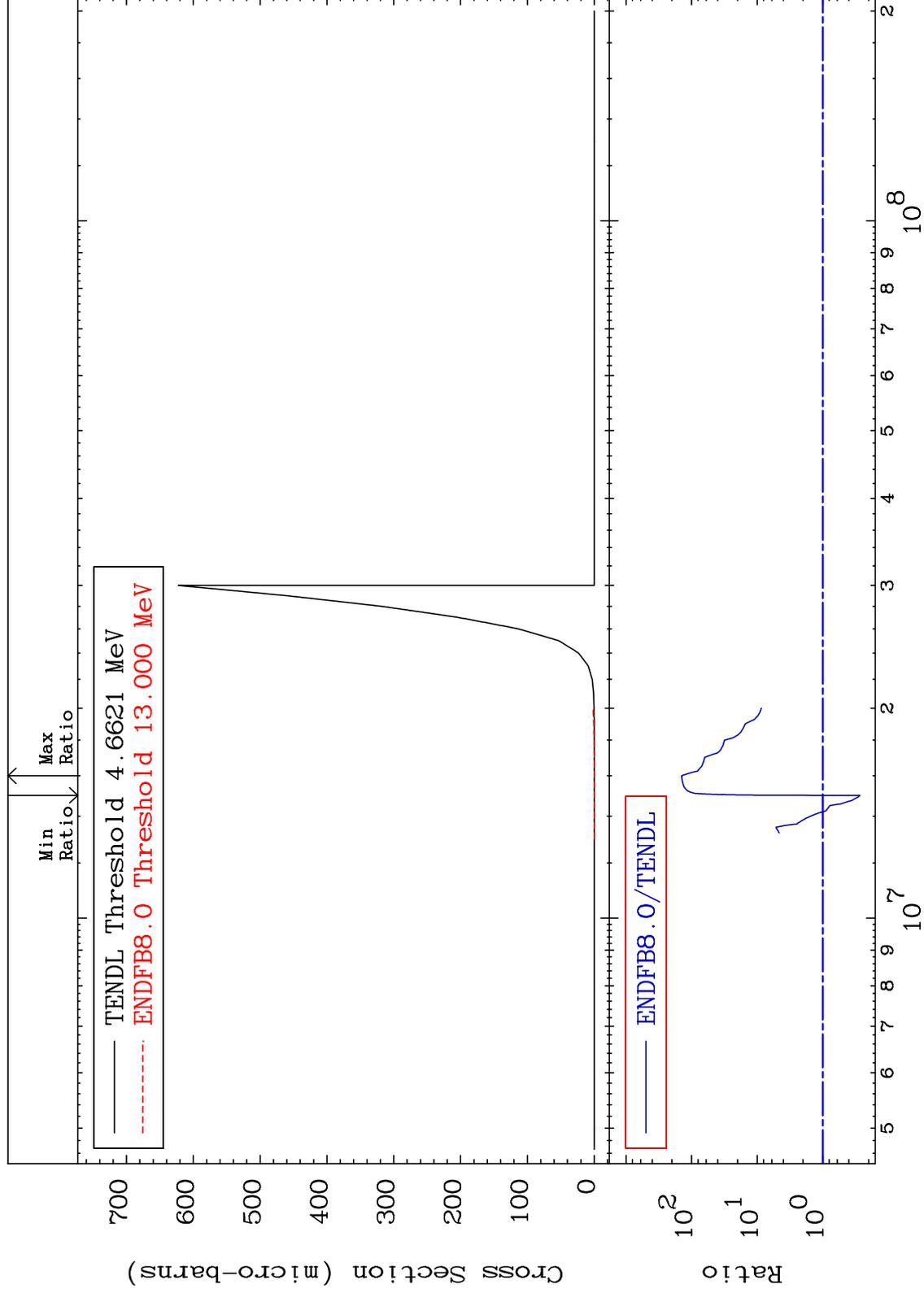
MAT 7031

(n, He-3)

70-Yb-170

Cross Section

-72.95 To 9999. %



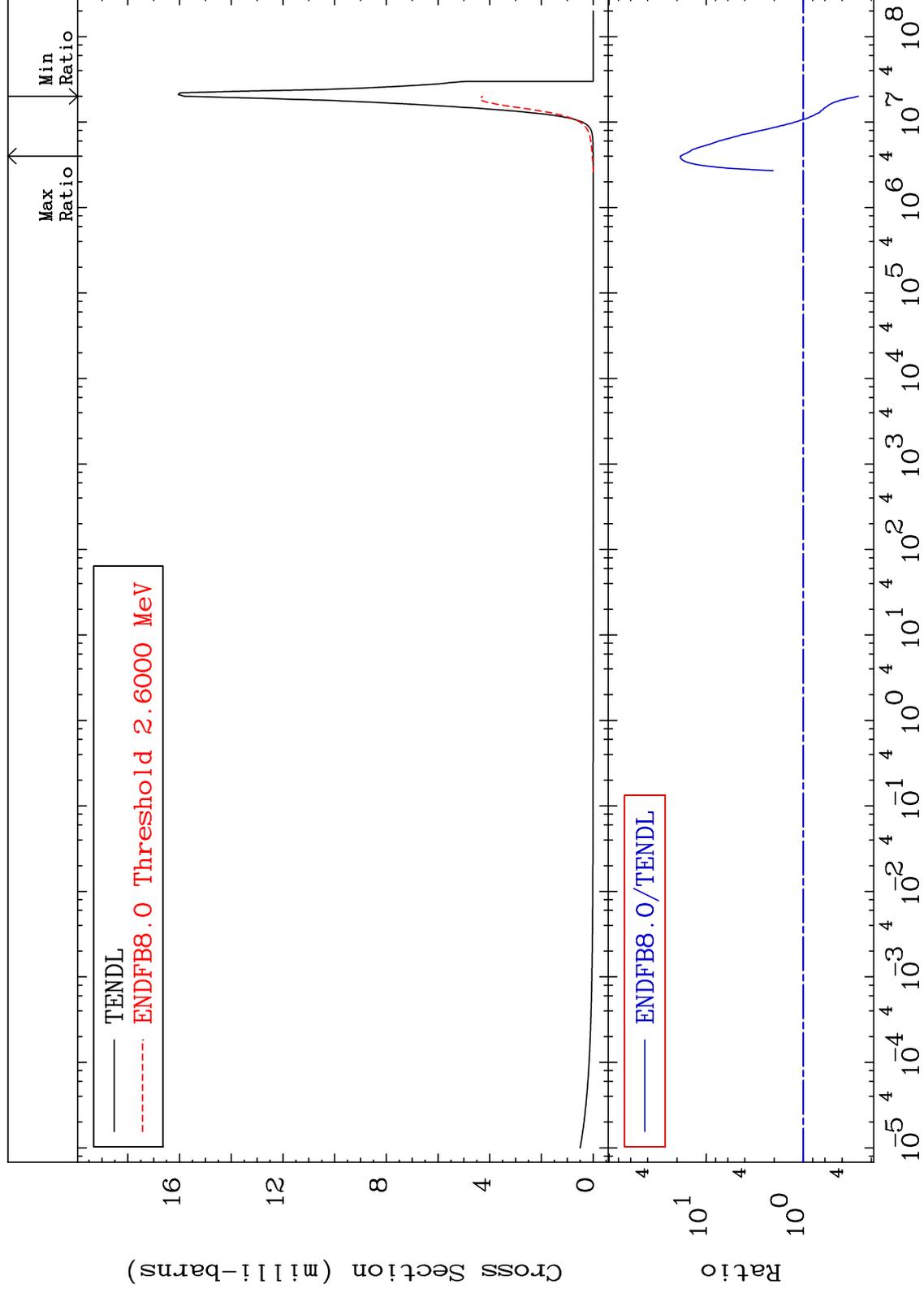
MAT 7031

(n,  $\alpha$ )

Cross Section

70-Yb-170

-72.93 To 1745. %



25

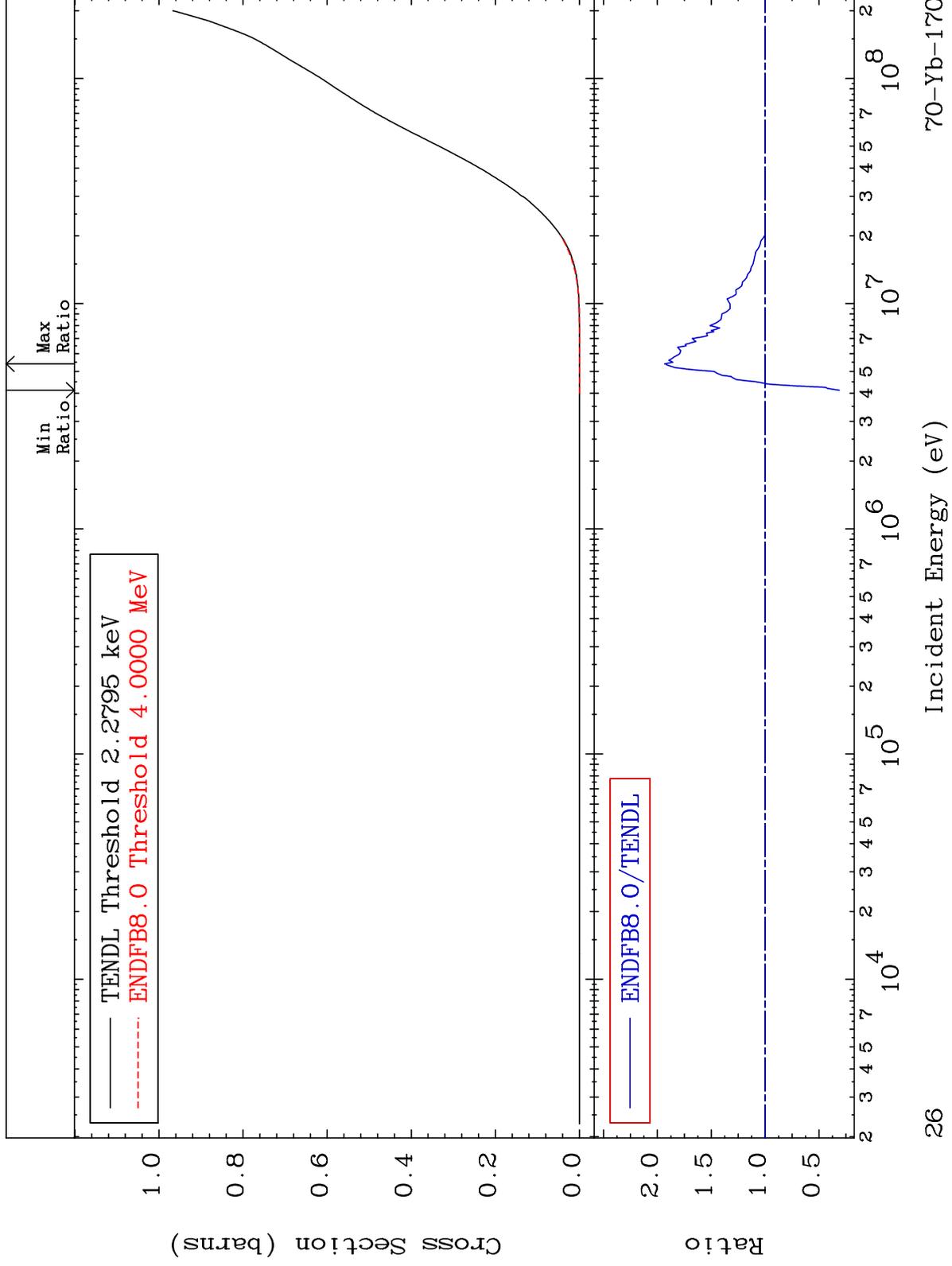
Incident Energy (eV)

70-Yb-170

MAT 7031

Hydrogen Production  
Cross Section

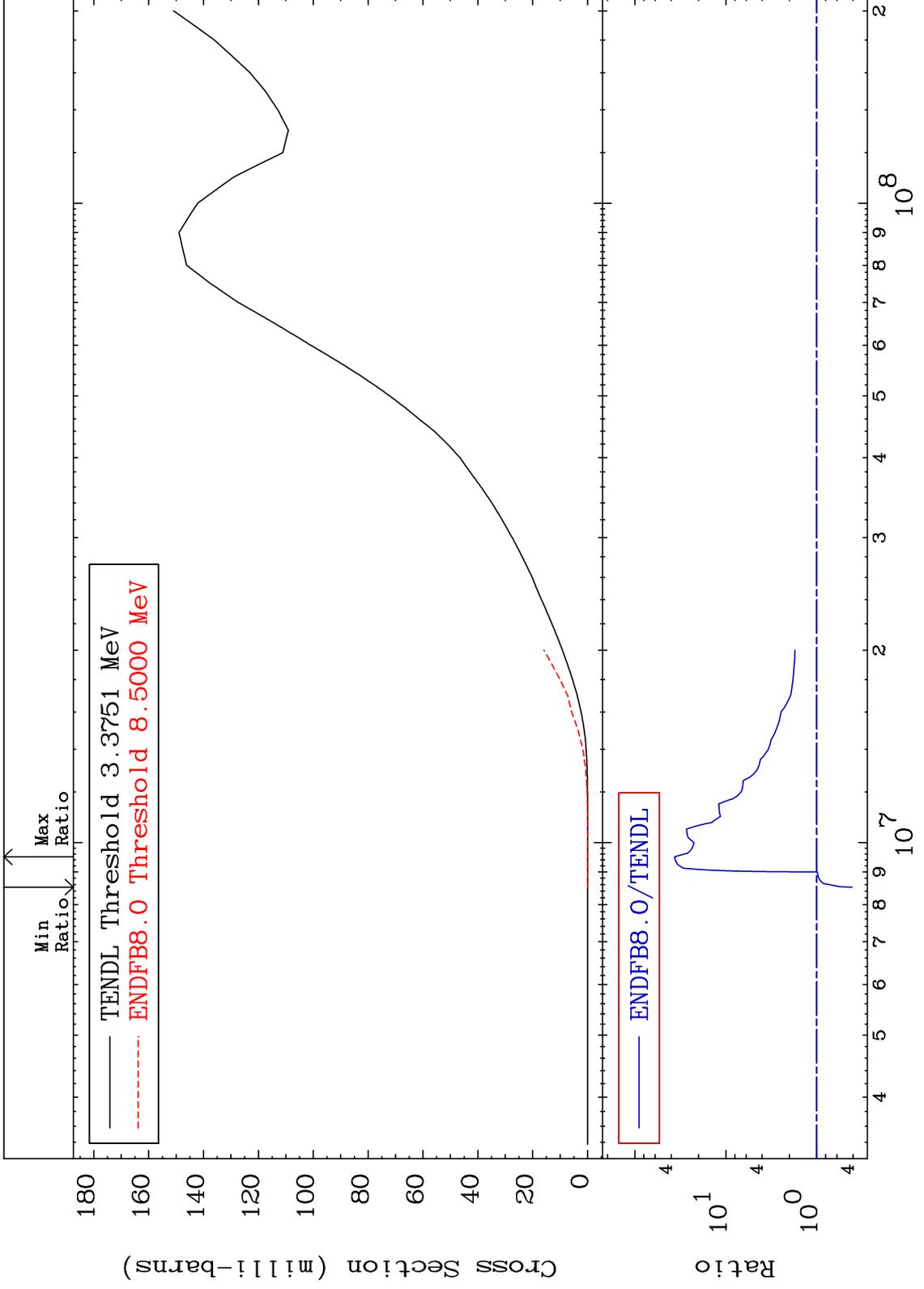
70-Yb-170  
-68.87 To 93.08 %



MAT 7031

Deuterium Production  
Cross Section

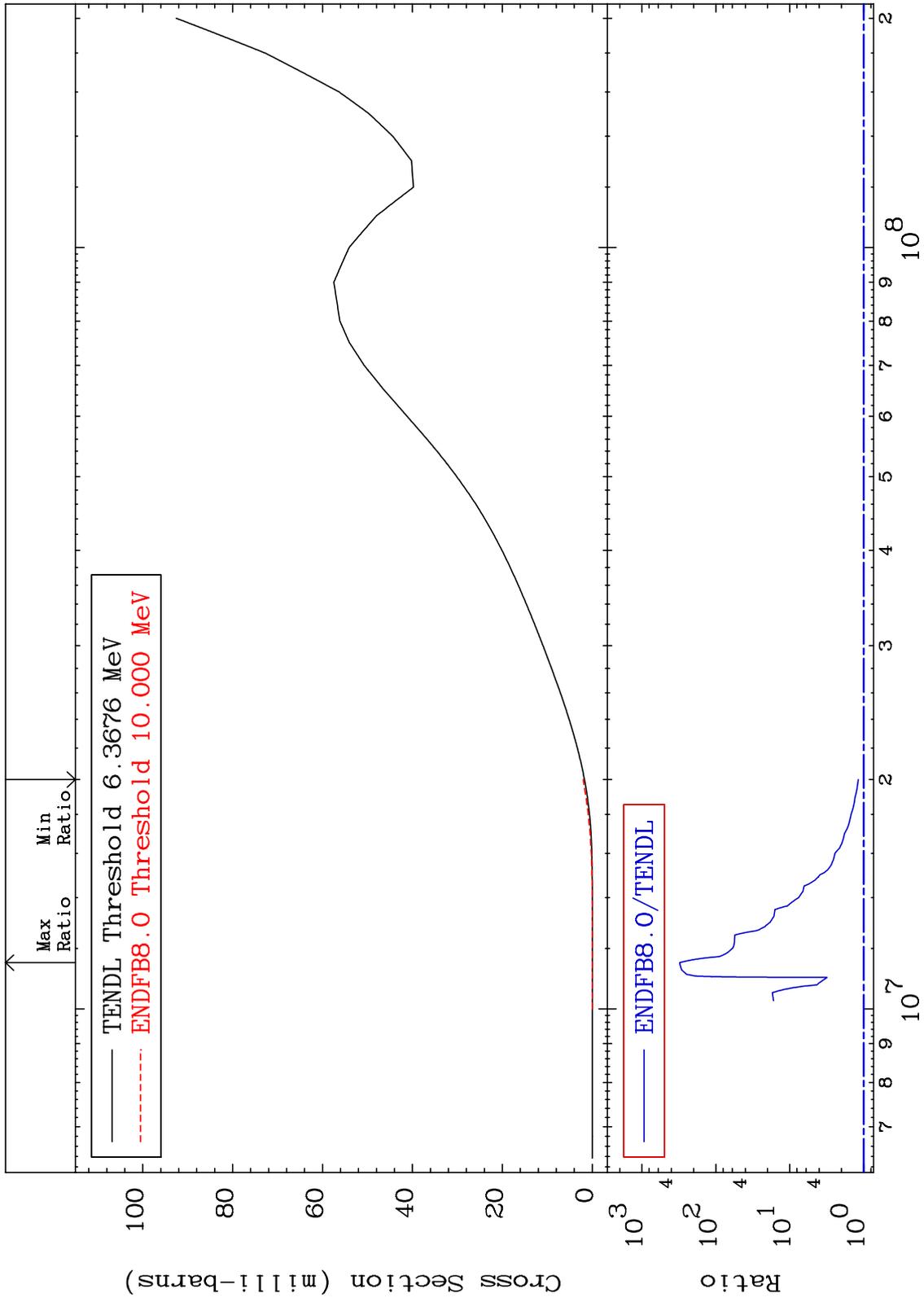
70-Yb-170  
-59.15 To 3576. %



MAT 7031

Tritium Production  
Cross Section

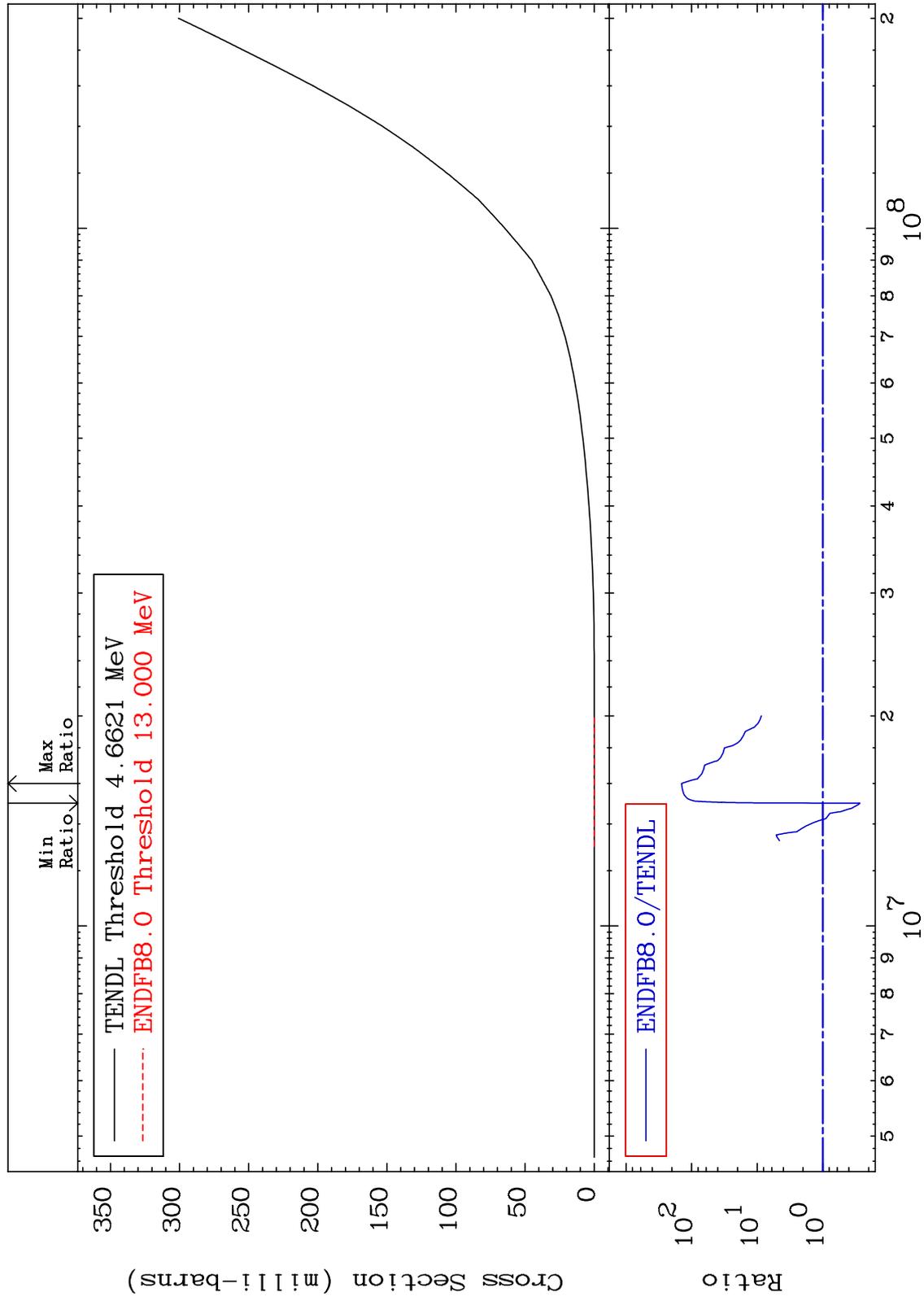
70-Yb-170  
18.15 To 9999. %



MAT 7031

He-3 Production  
Cross Section

70-Yb-170  
-72.95 To 9999. %



29

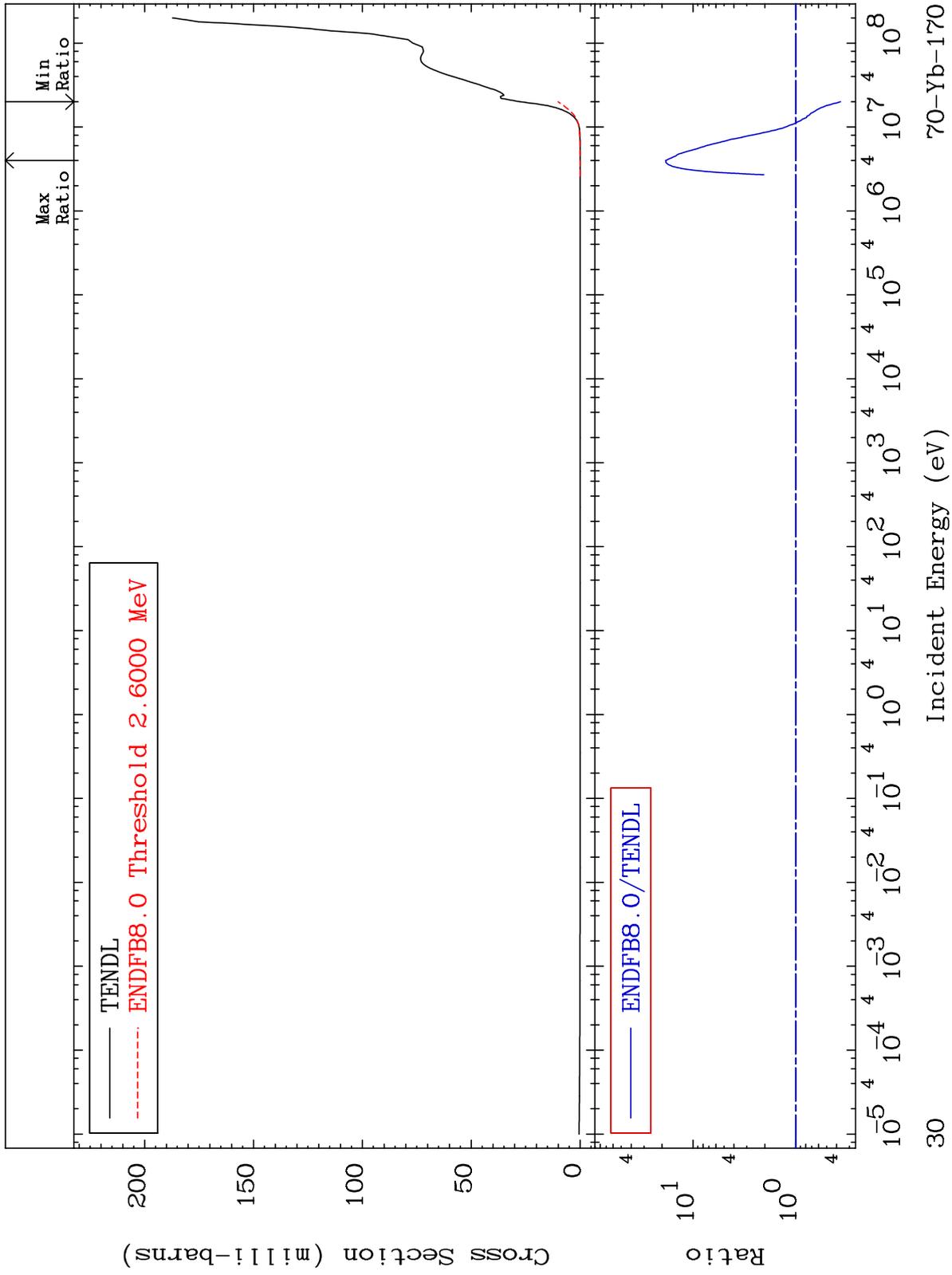
Incident Energy (eV)

70-Yb-170

MAT 7031

He-4 Production  
Cross Section

70-Yb-170  
-63.44 To 1745. %



30

Incident Energy (eV)

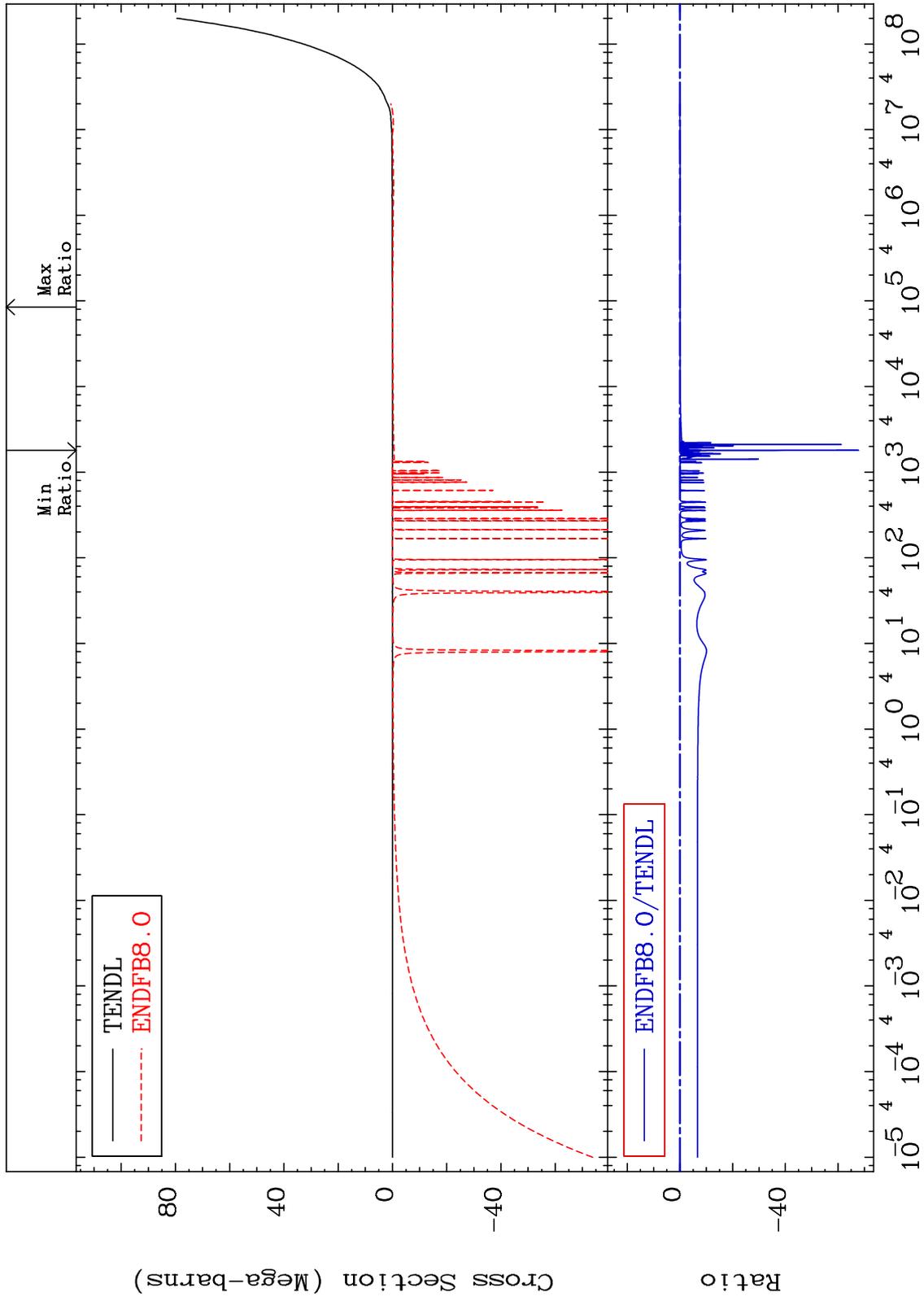
70-Yb-170

MAT 7031

Kerma total (eV-barns)  
Cross Section

70-Yb-170

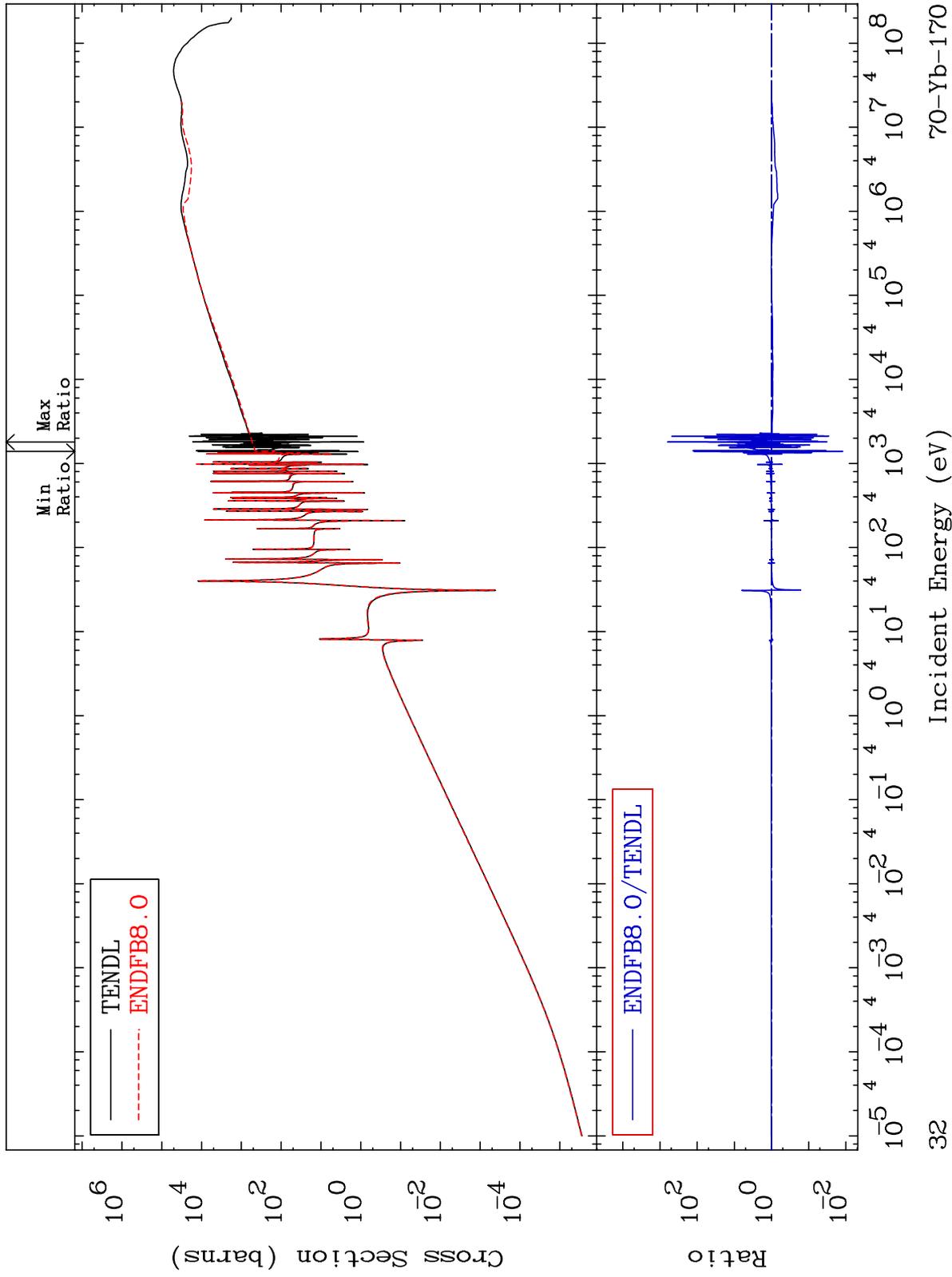
-9999. To 1394. %



MAT 7031

Kerma elastic  
Cross Section

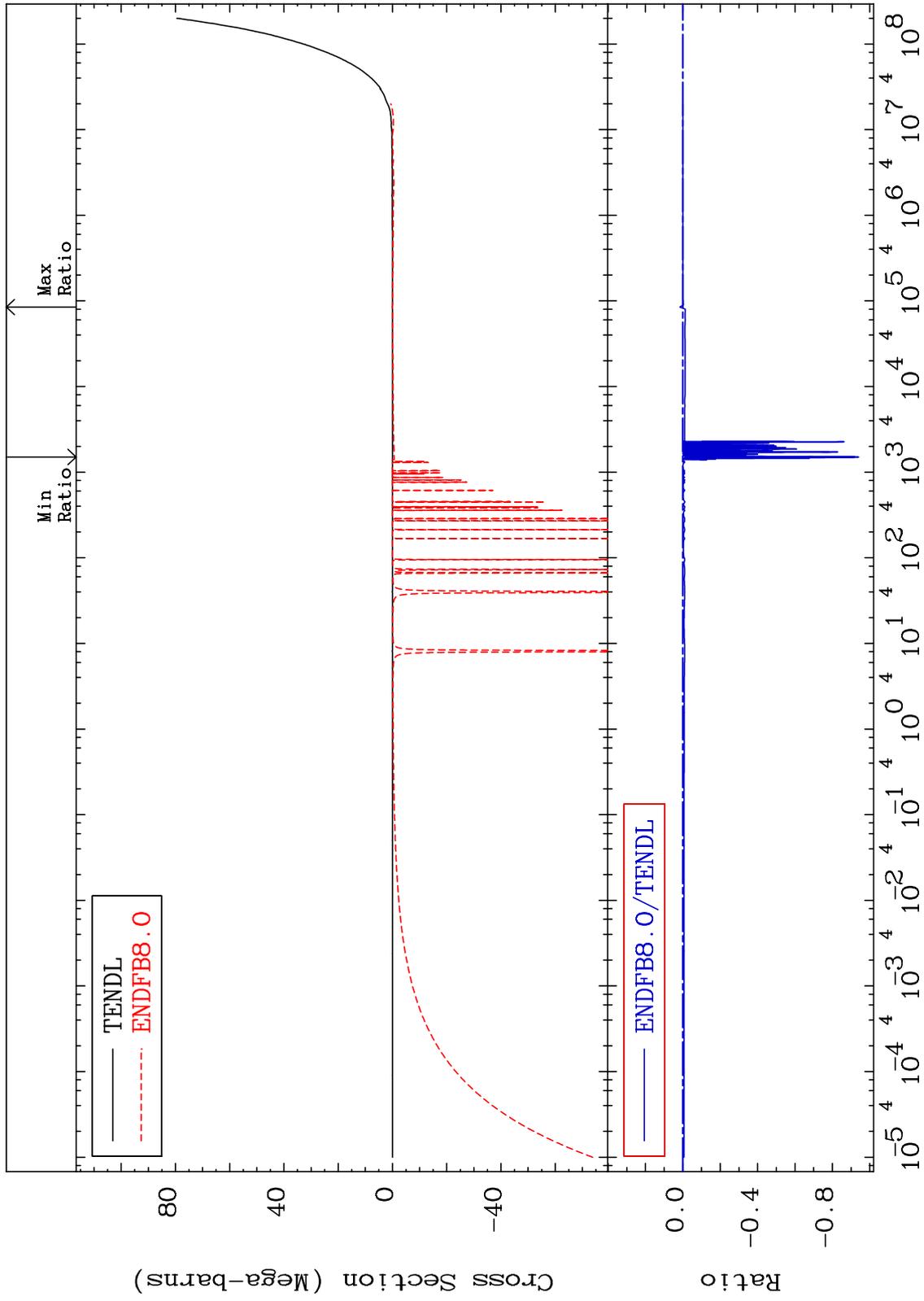
70-Yb-170  
-98.79 To 9999. %



MAT 7031

Kerma non-elastic (all but mt2)  
Cross Section

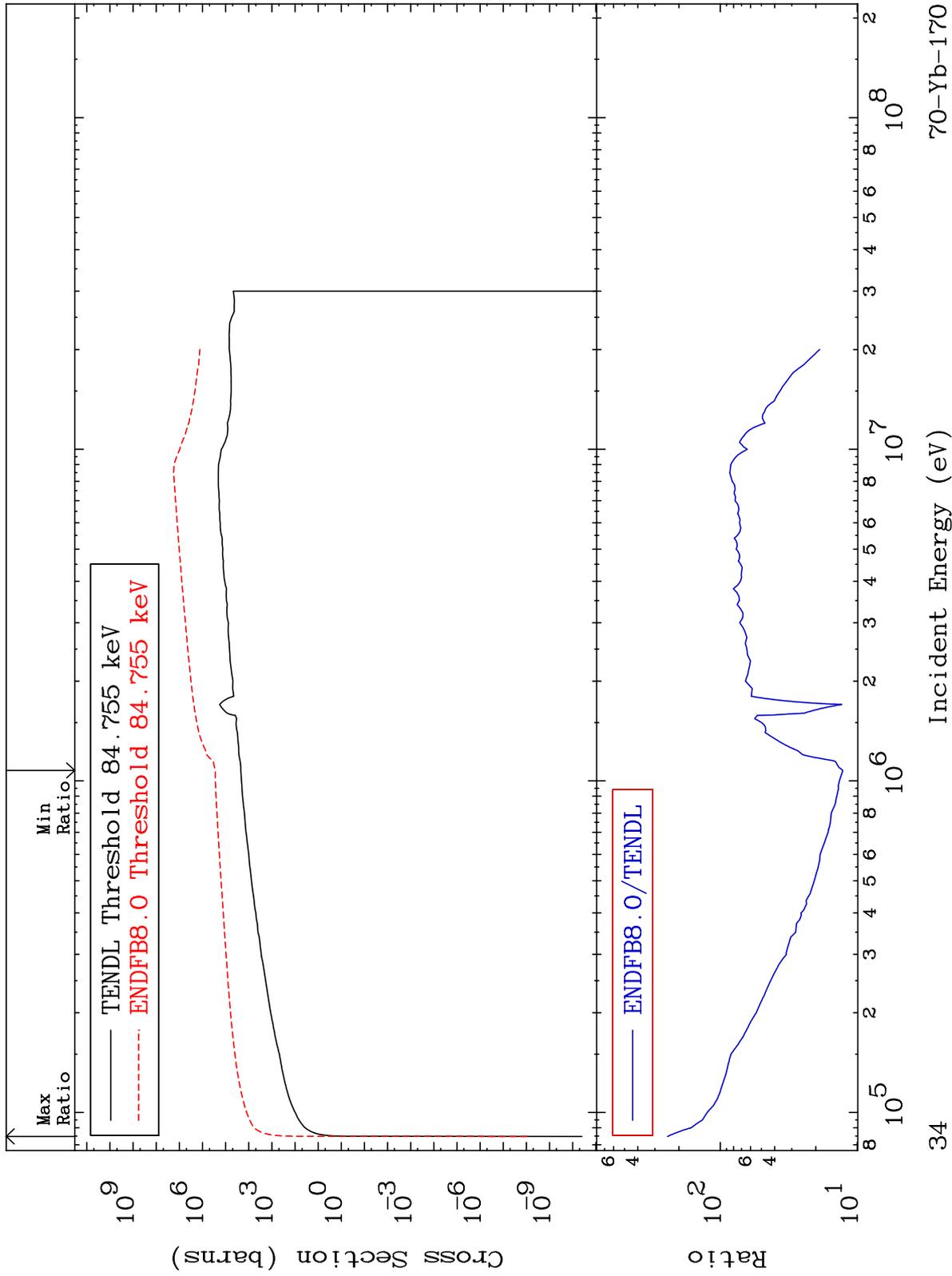
70-Yb-170  
-9999. To 9999. %



MAT 7031

Kerma inelastic (mt51-91)  
Cross Section

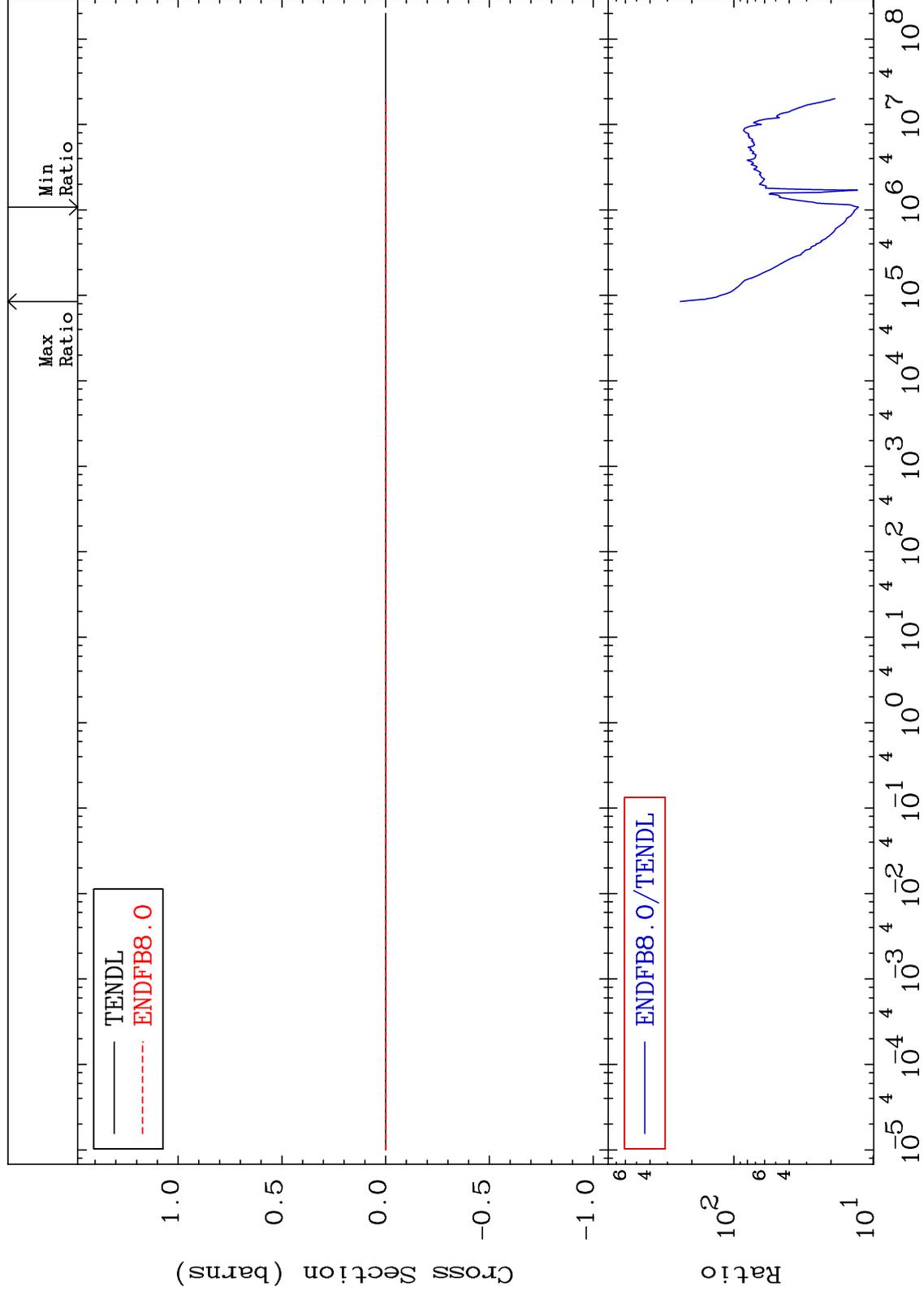
70-Yb-170  
1171. To 9999. %



MAT 7031

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

70-Yb-170  
1171. To 9999. %



35

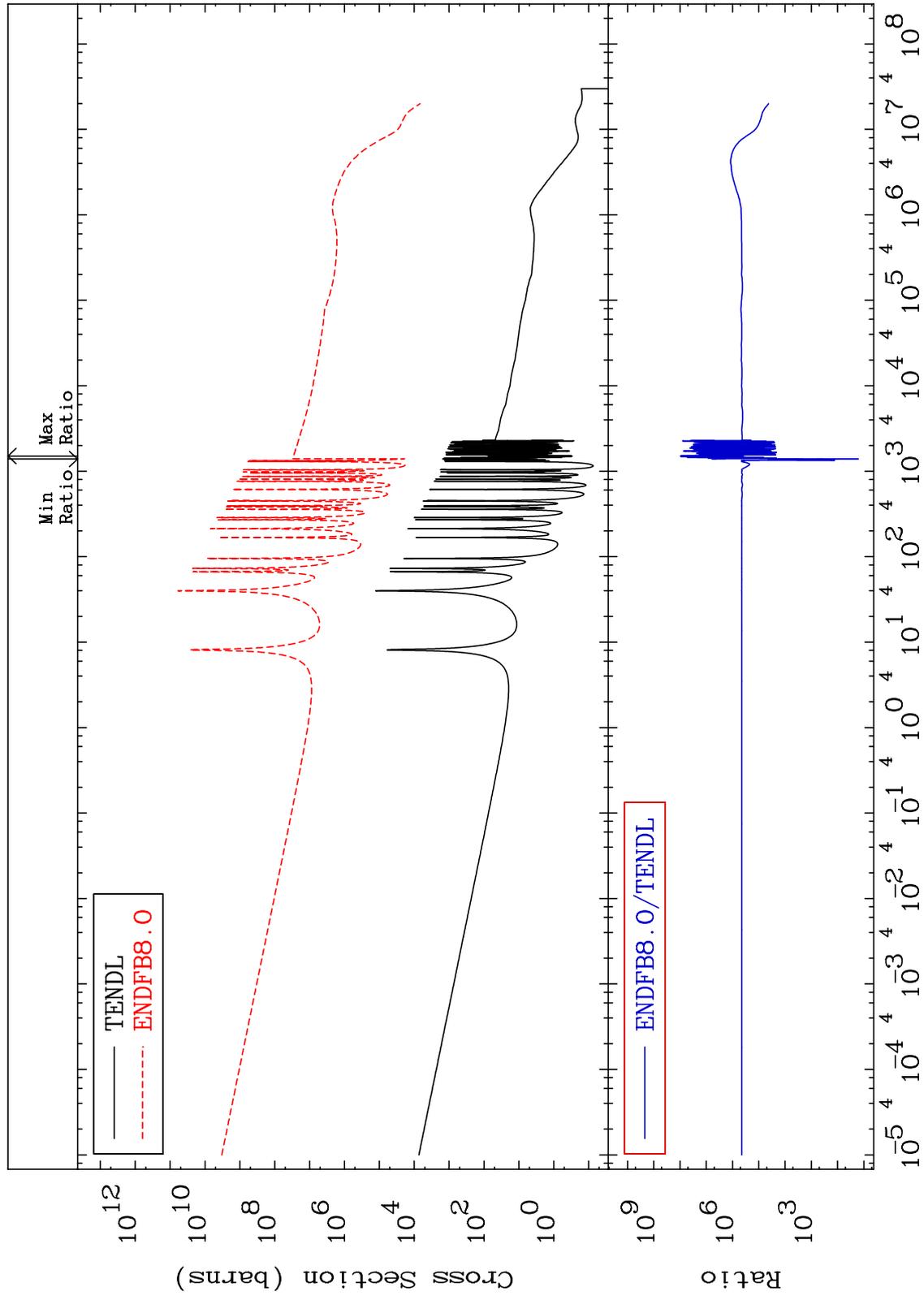
Incident Energy (eV)

70-Yb-170

MAT 7031

Kerma capture (mt102)  
Cross Section

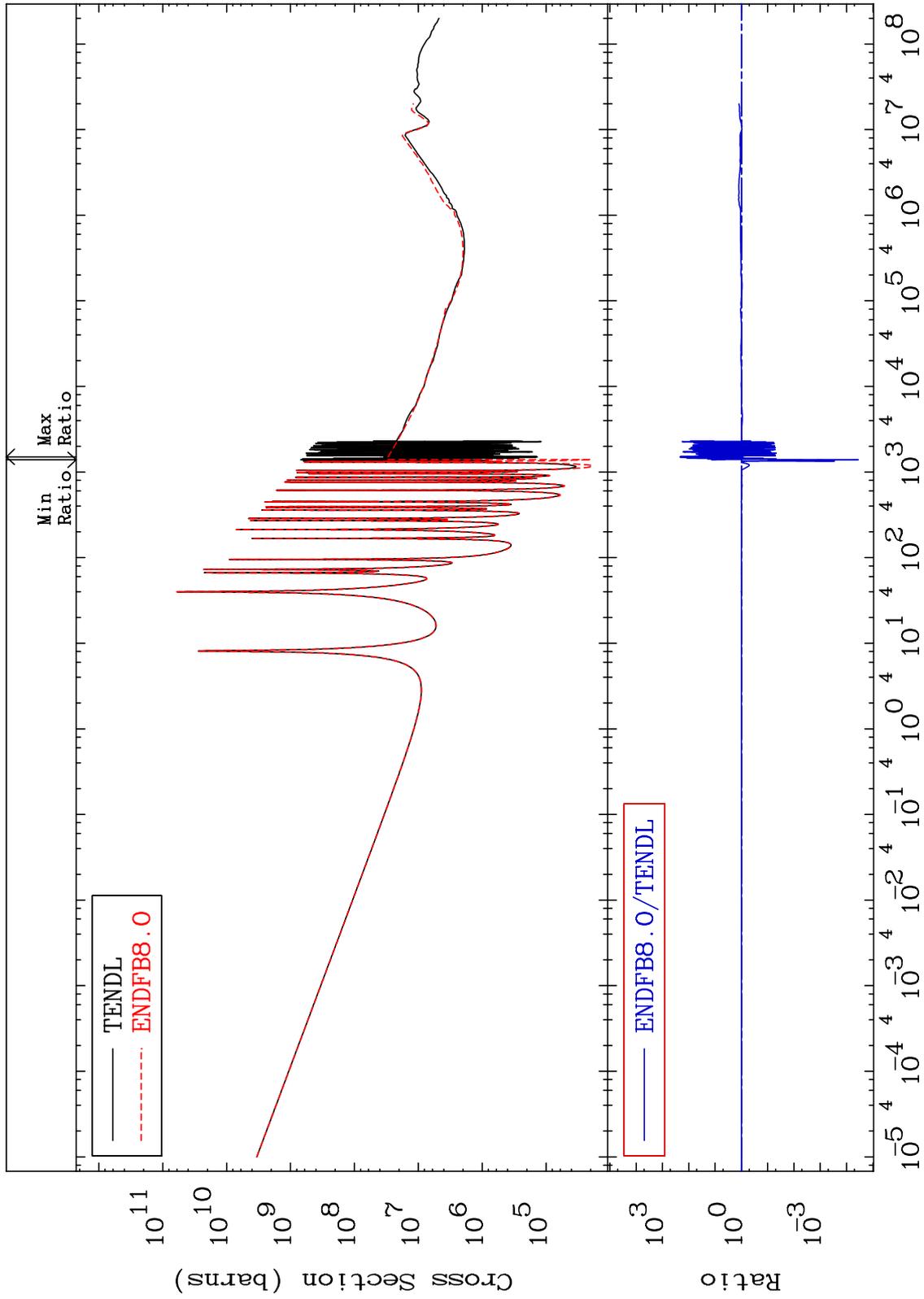
70-Yb-170  
1495. To 9999. %



MAT 7031

Total photon (eV-barns)  
Cross Section

70-Yb-170  
-100.0 To 9999. %



37

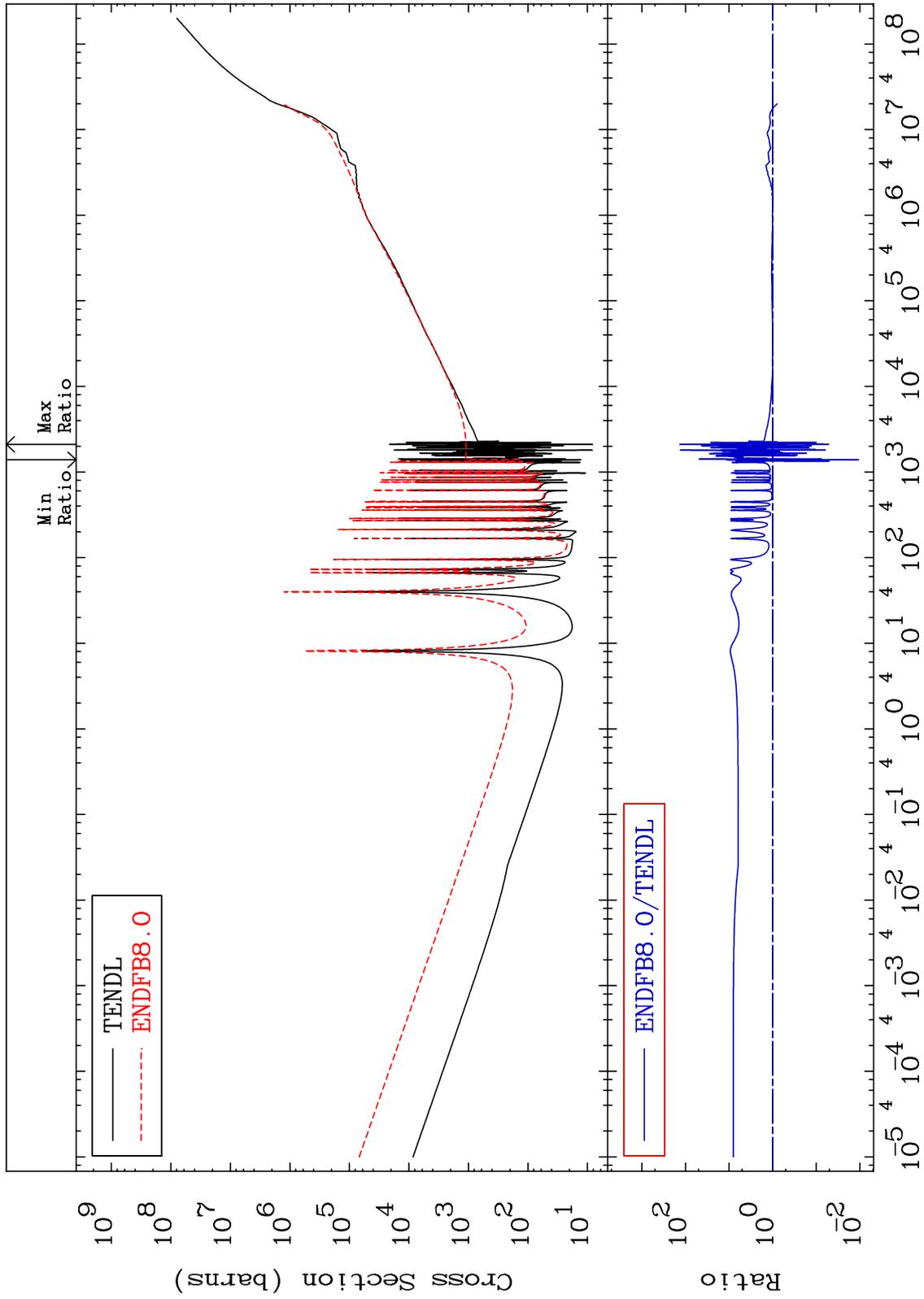
Incident Energy (eV)

70-Yb-170

MAT 7031

Total kinematic kerma (high limit)  
Cross Section

70-Yb-170  
-98.92 To 9999. %



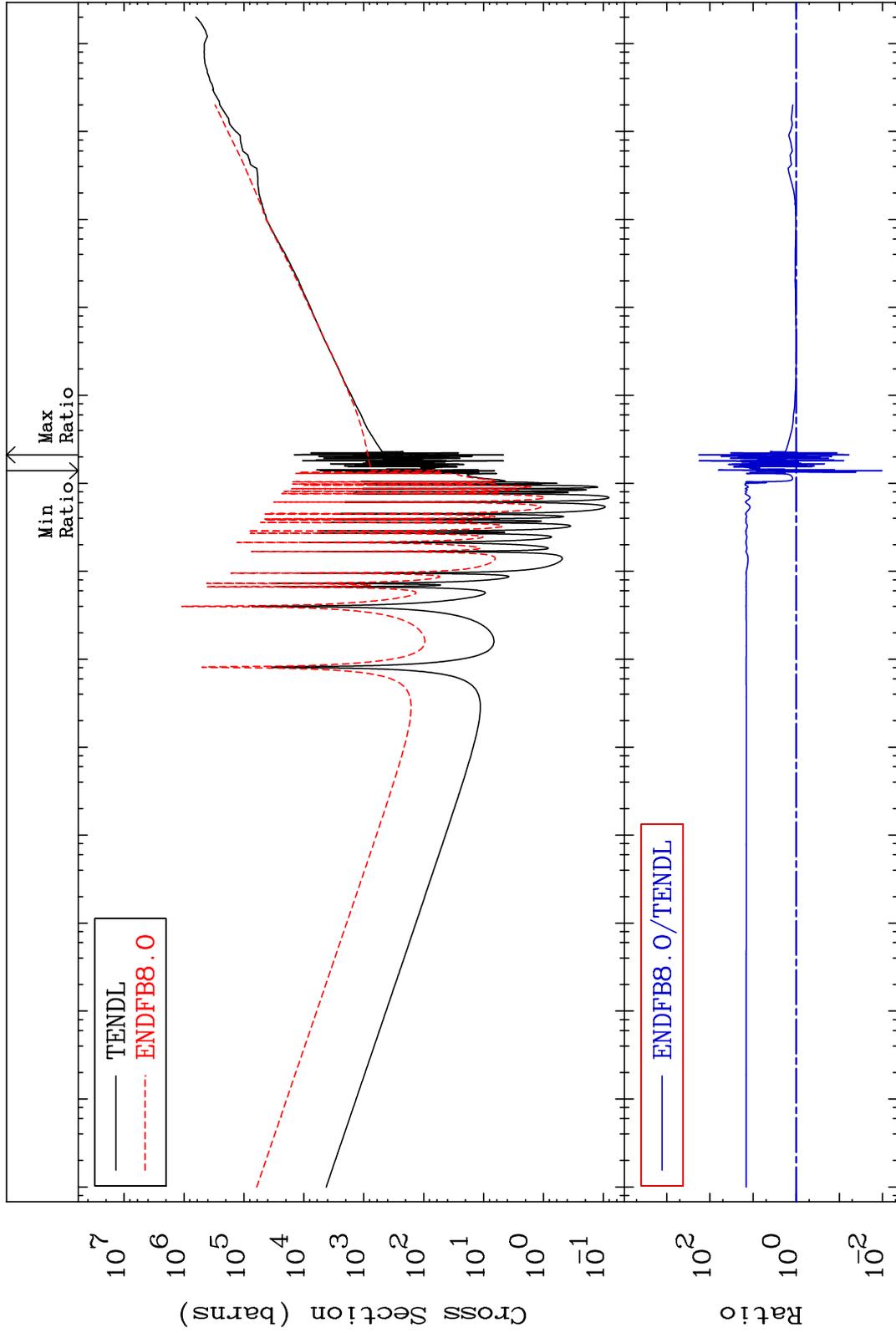
MAT 7031

Dpa total (eV-barns)

70-Yb-170

Cross Section

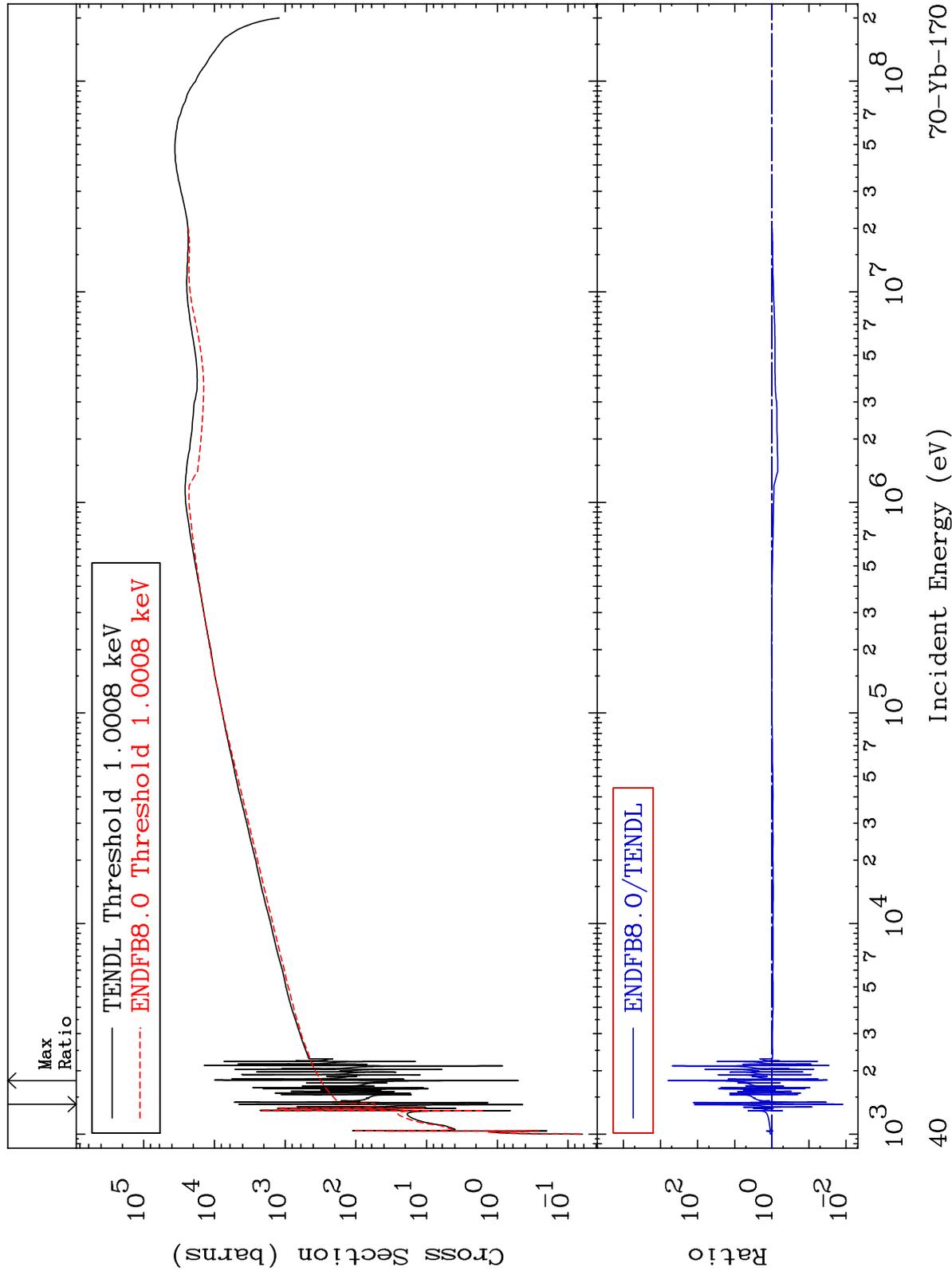
-98.98 To 9999. %



MAT 7031

Dpa elastic (mt2)  
Cross Section

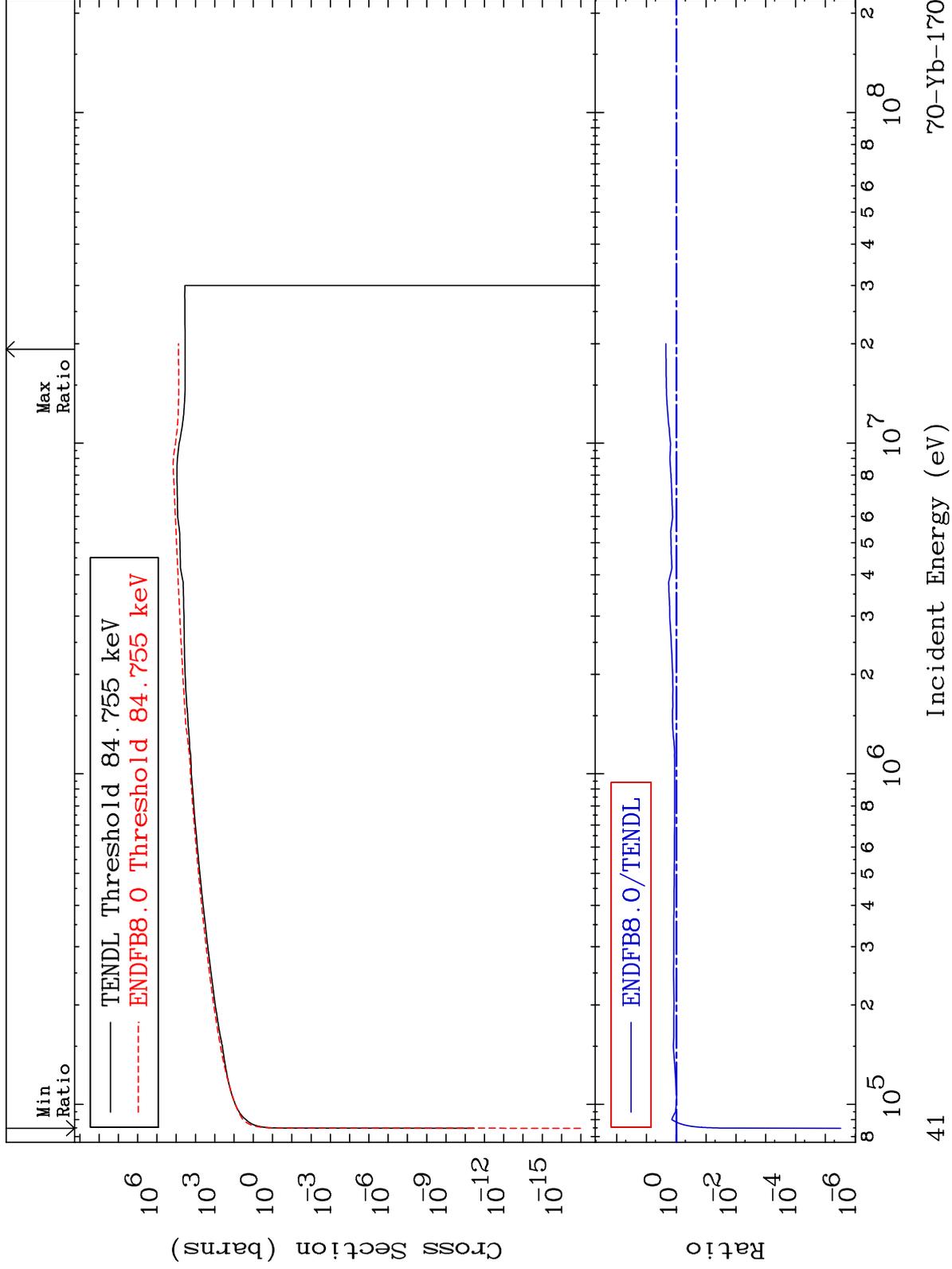
70-Yb-170  
-98.79 To 9999. %



MAT 7031

Dpa inelastic (mt51-91)  
Cross Section

70-Yb-170  
-100.0 To 121.7 %



MAT 7031

Dpa disappearance (mt102 -120)  
Cross Section

70-Yb-170  
-99.95 To 9999. %

