

Program Complot  
(Version 2021-1)

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

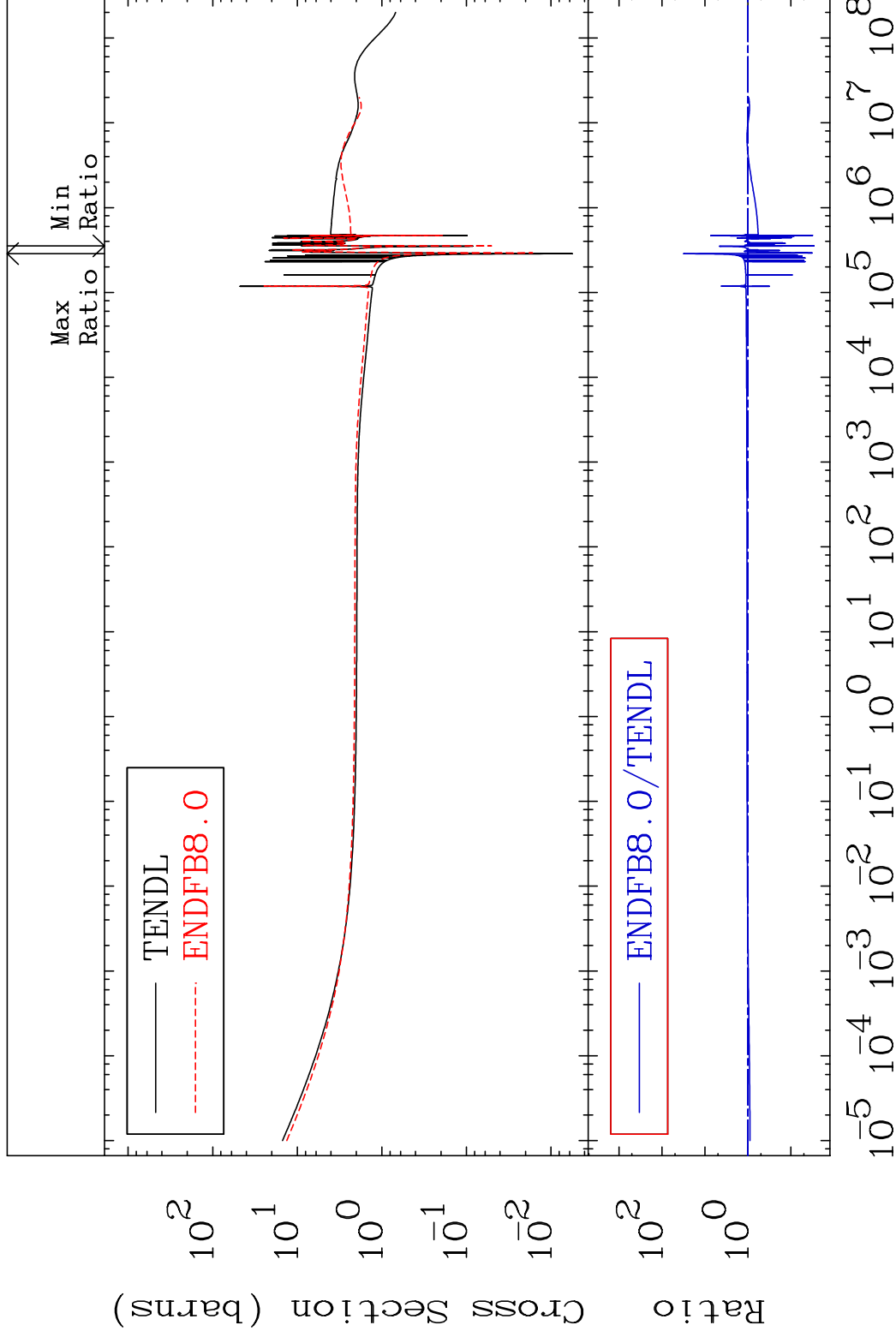
MAT 1631

Total

16-S -34

Cross Section

-97.12 To 3027. %



1

Incident Energy (eV)

16-S -34

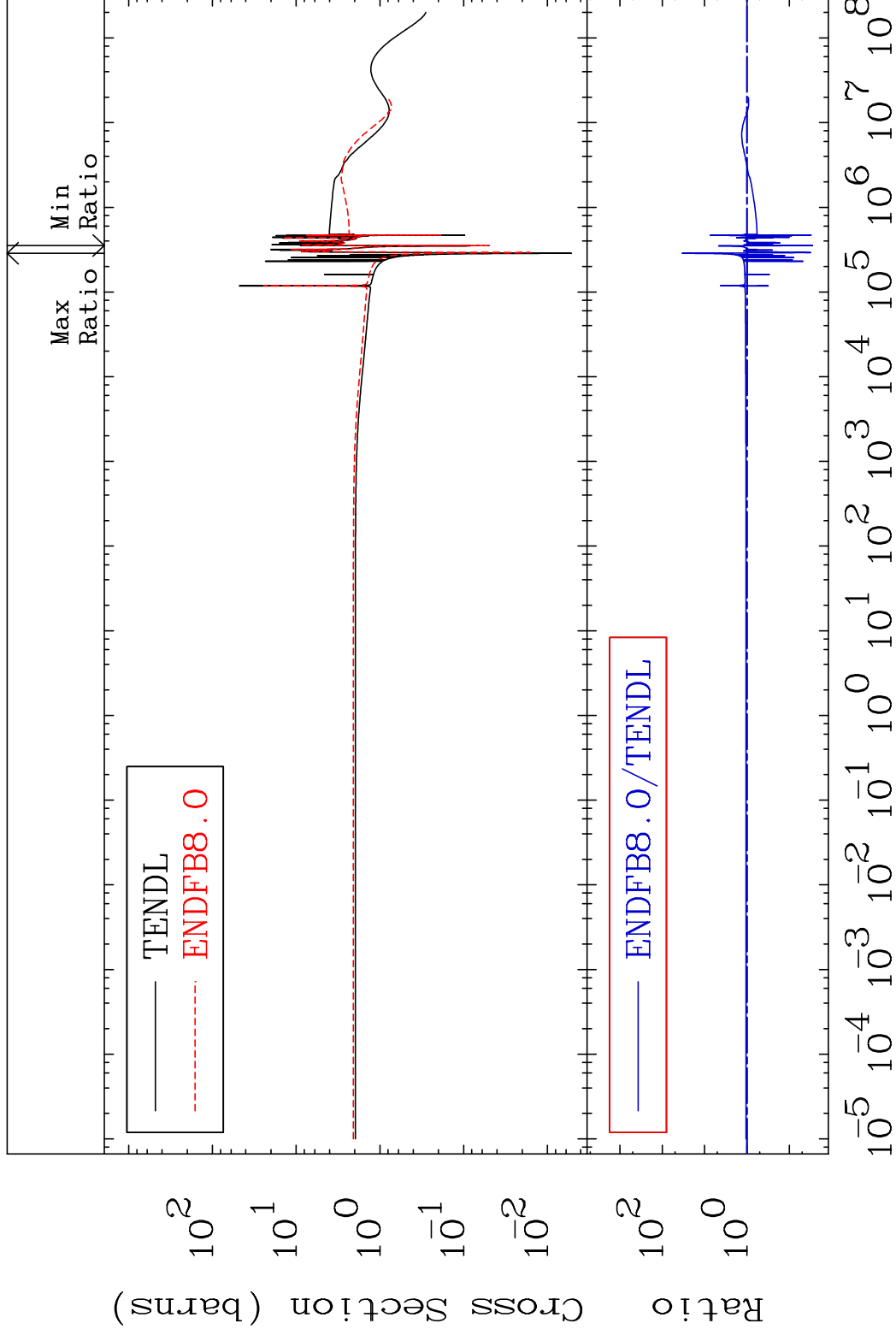
MAT 1631

Elastic

16-S -34

Cross Section

-97.17 To 3253. %



2

Incident Energy (eV)

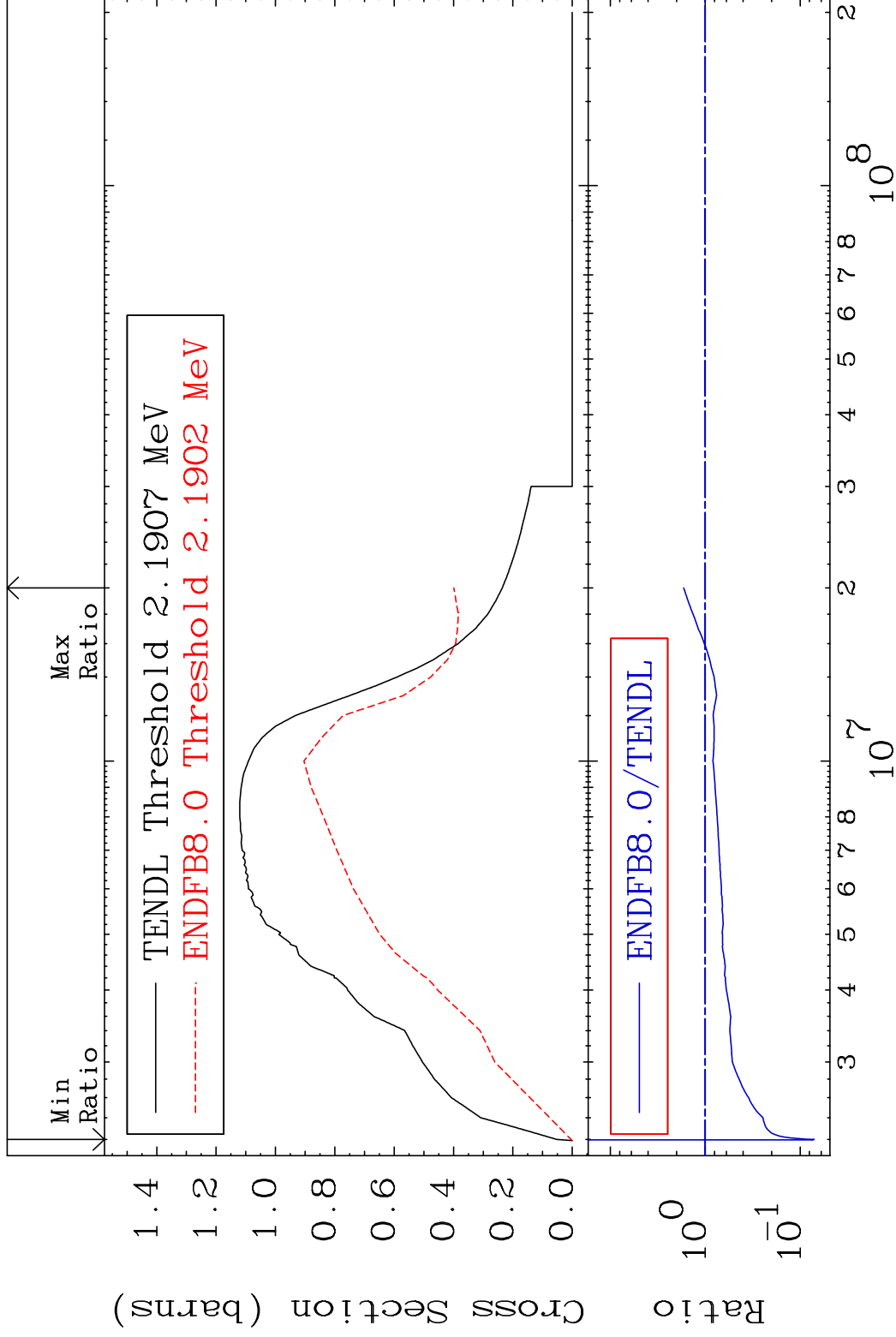
16-S -34

MAT 1631

Inelastic

16-S -34

Cross Section -92.88 To 68.98 %



3

Incident Energy (eV)

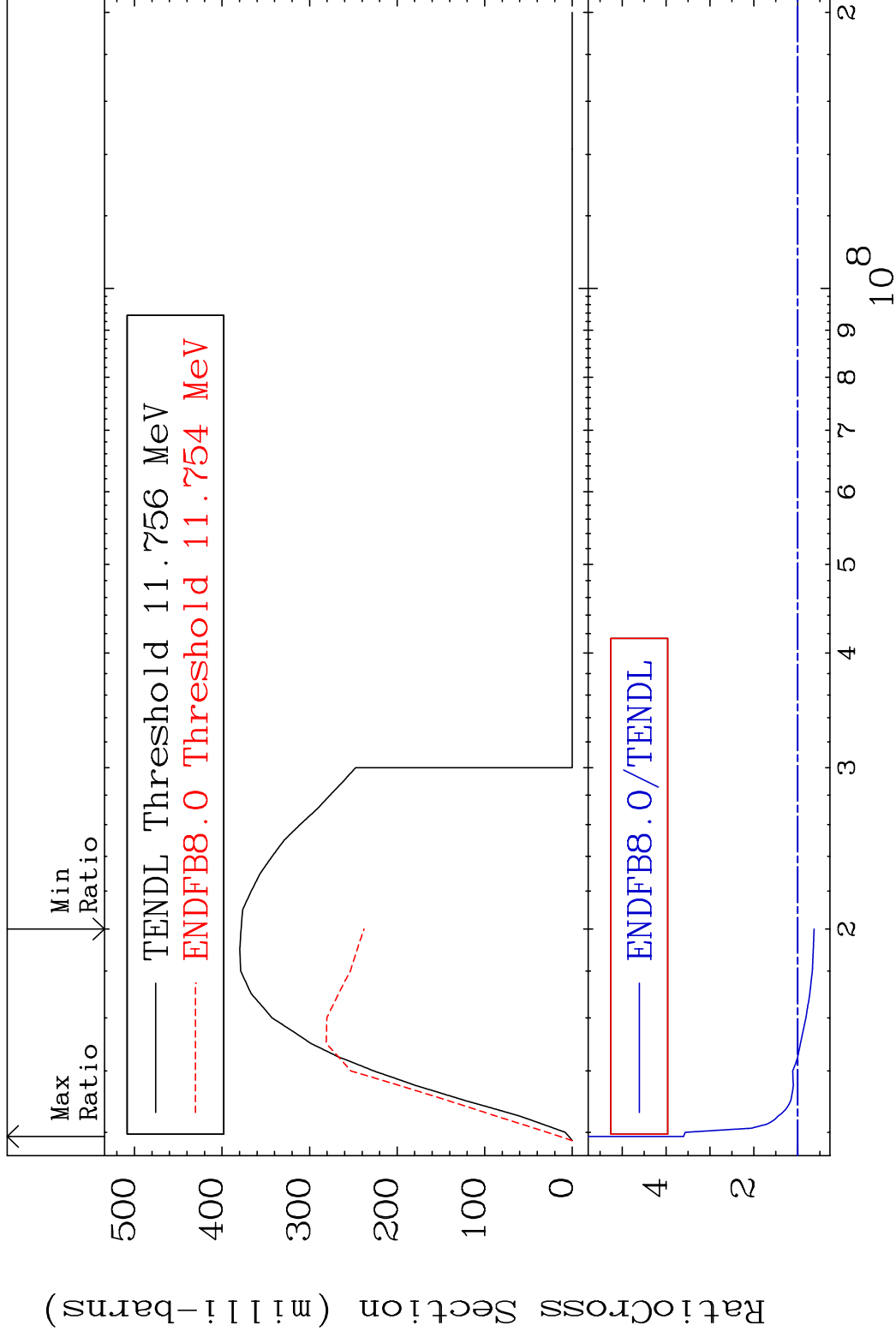
16-S -34

MAT 1631

(n,2n)

16-S -34

Cross Section -37.13 To 259.9 %



4

Incident Energy (eV)

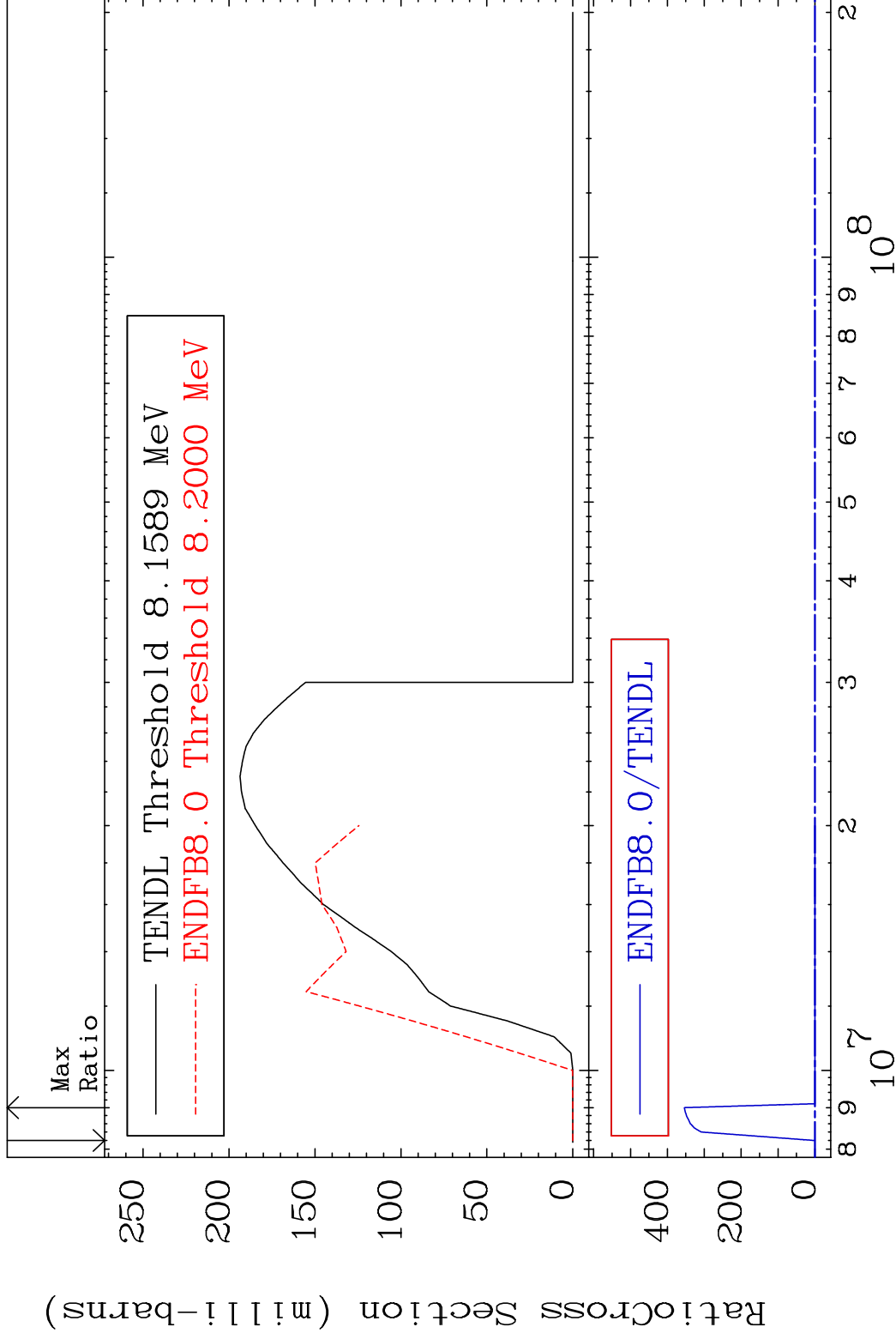
16-S -34

MAT 1631

(n, n')  $\alpha$

16-S -34

Cross Section -100.0 To 9999. %



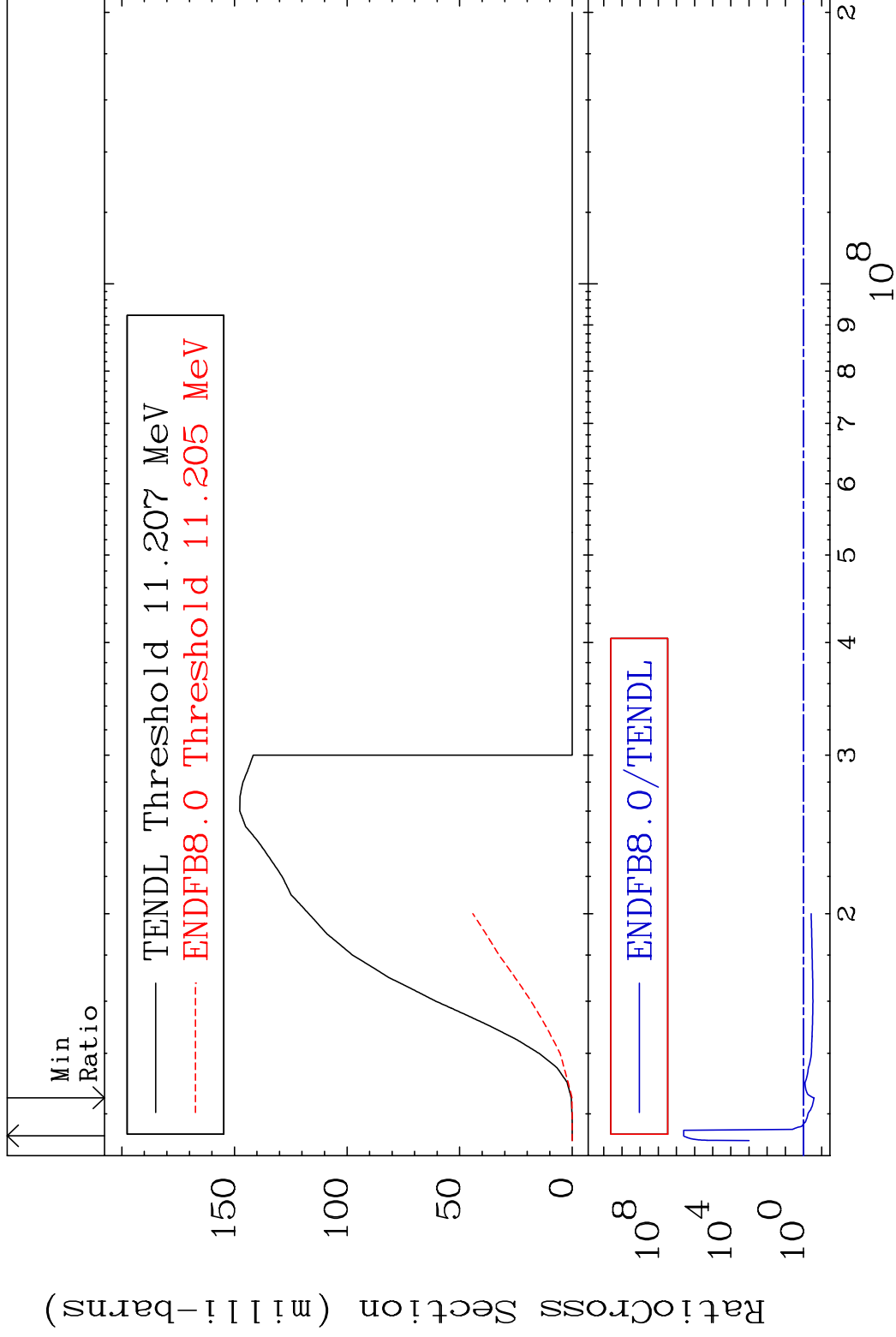
5

Incident Energy (eV)

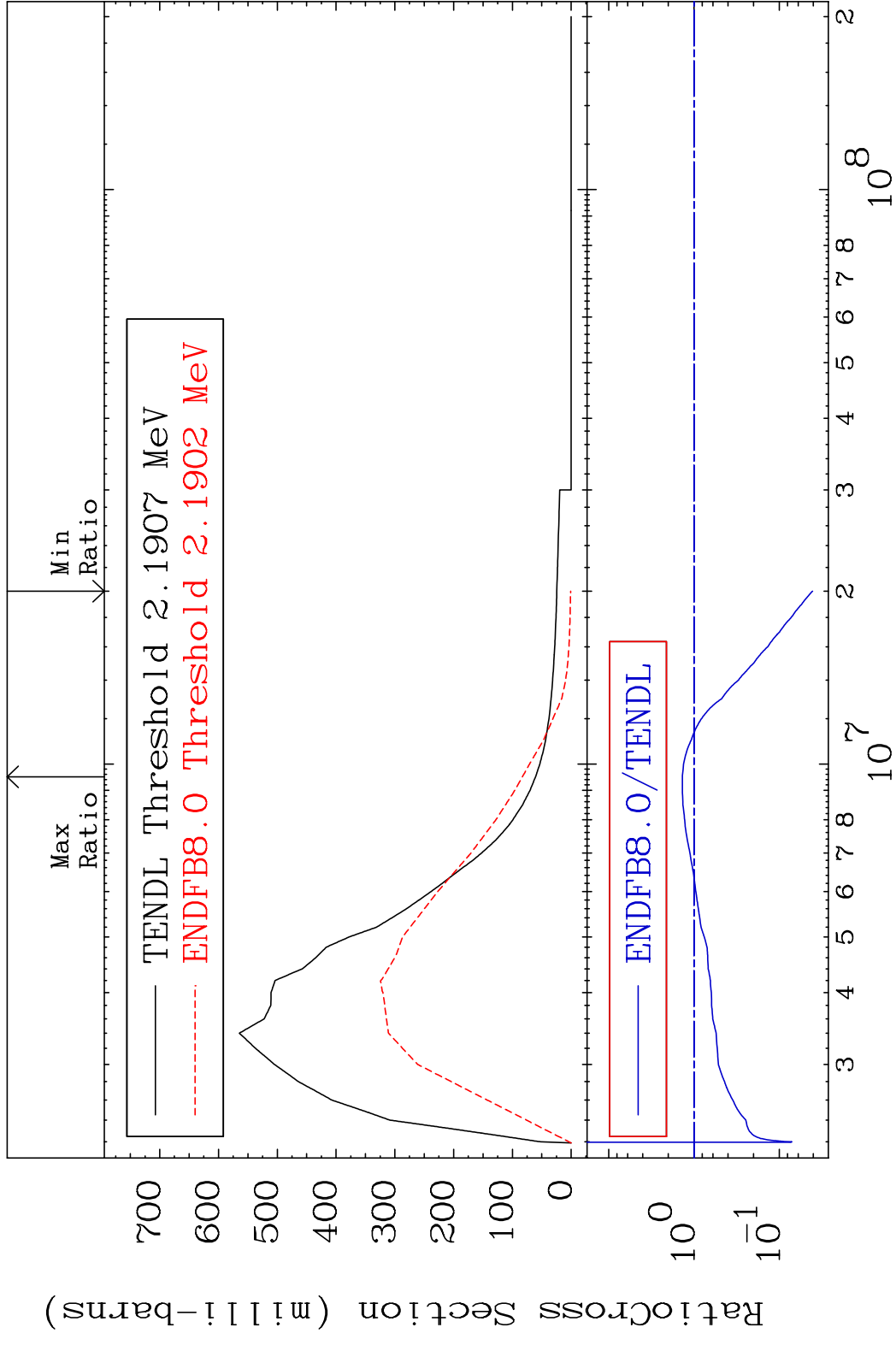
16-S -34

MAT 1631

(n, n') p 16-S -34  
Cross Section -74.05 To 9999. %

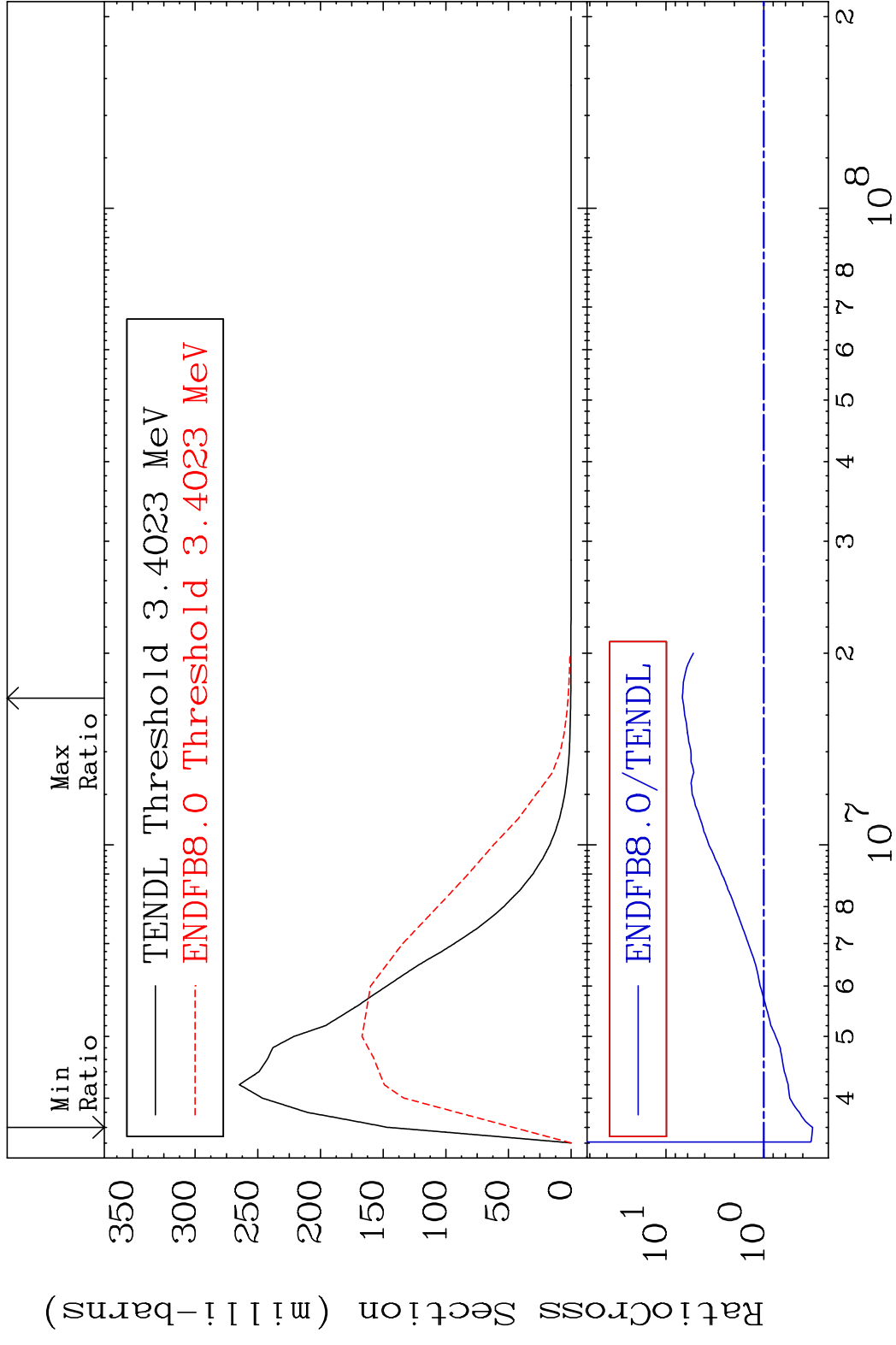


MAT 1631 MT= 51 (n, n') Level 16-S -34  
 Cross Section -95.93 To 37.02 %

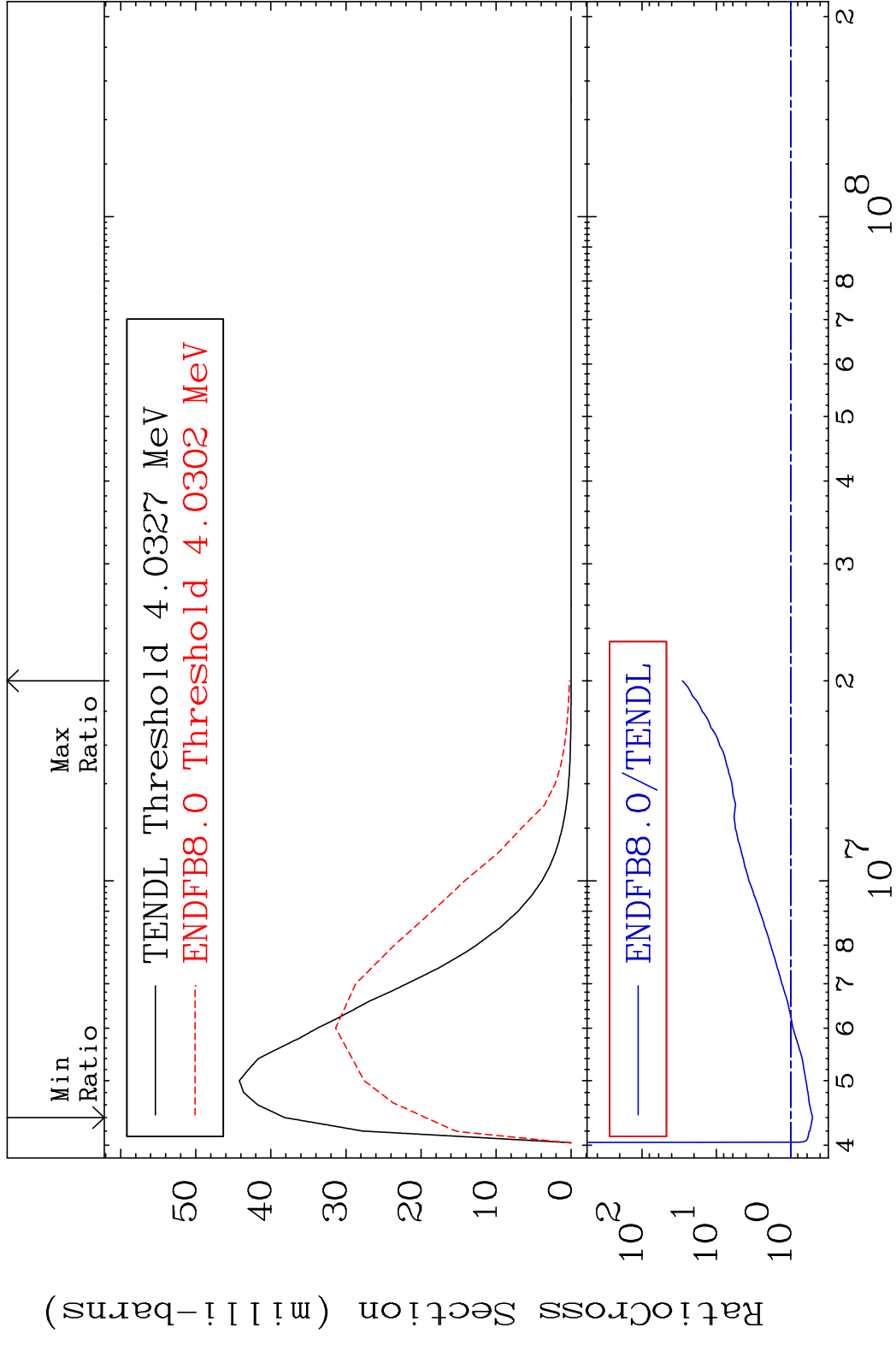




MAT 1631 MT= 52 (n,n') Level 16-S -34  
 Cross Section -68.28 To 578.7 %



MAT 1631 MT= 53 (n, n') Level 16-S -34  
 Cross Section -49.26 To 2771. %

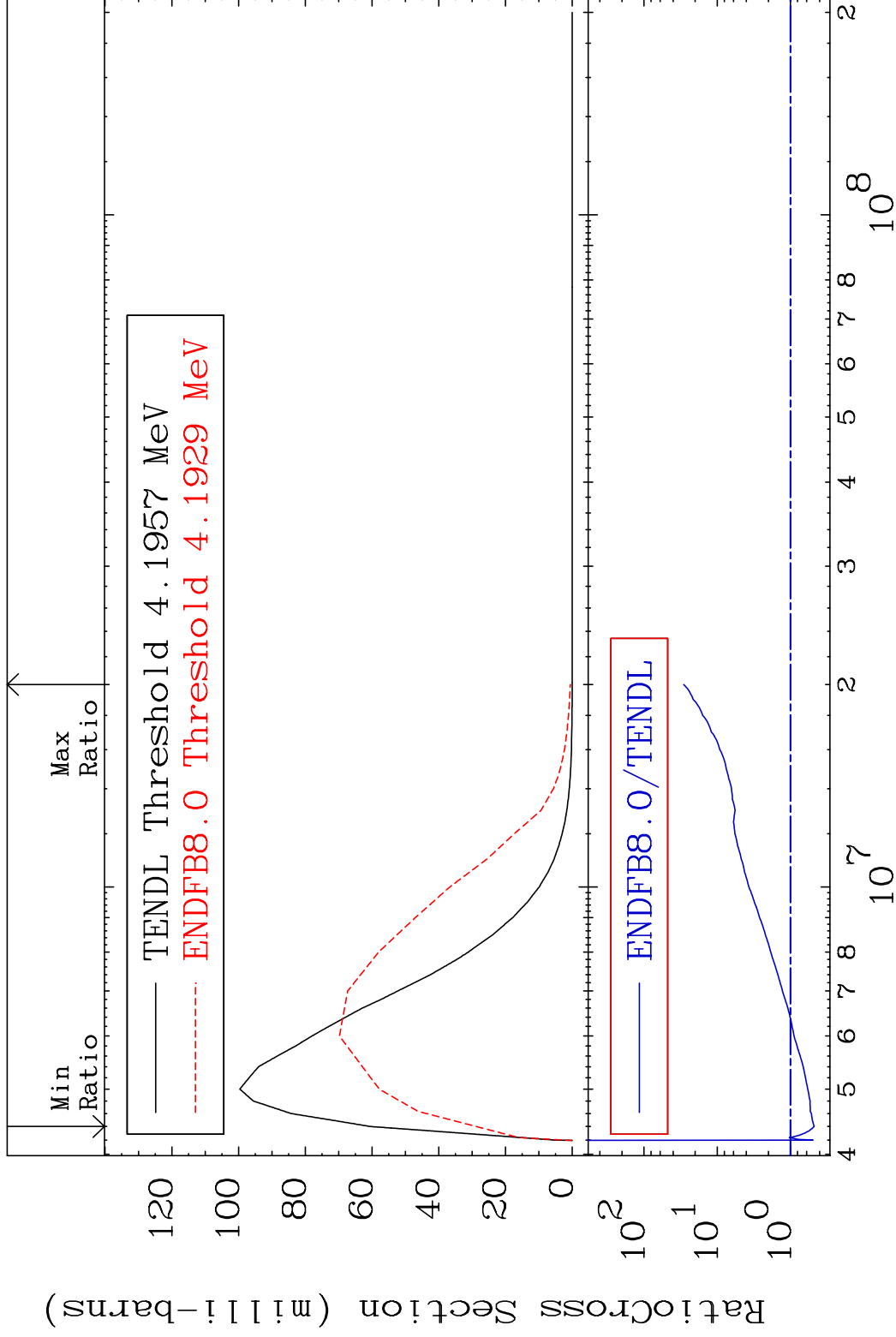


MAT 1631

MT= 54 (n,n') Level

16-S -34

Cross Section -52.45 To 2770. %

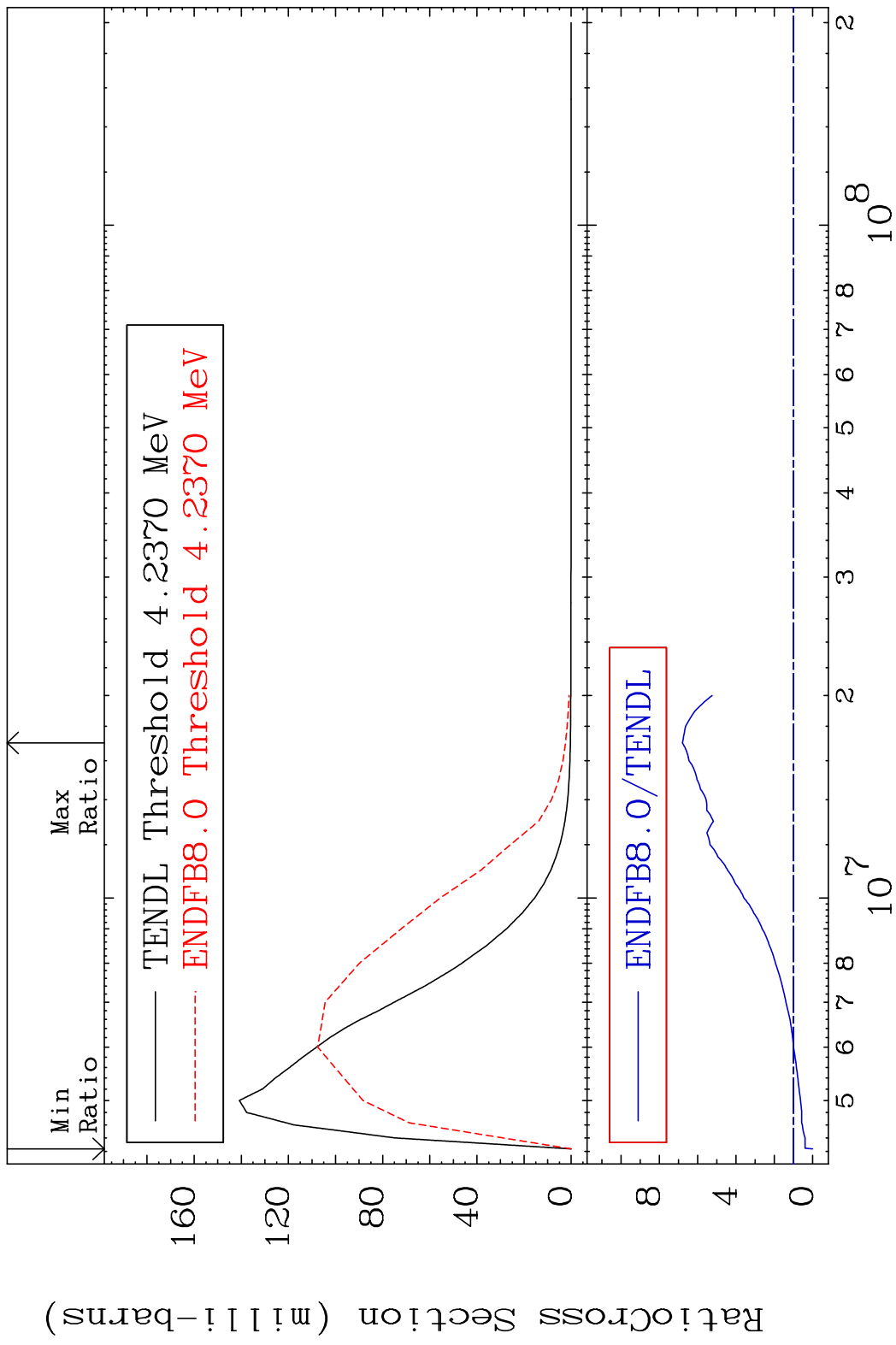


10

Incident Energy (eV)

16-S -34

MAT 1631 MT= 55 (n,n') Level 16-S -34  
 Cross Section -100.0 To 580.1 %

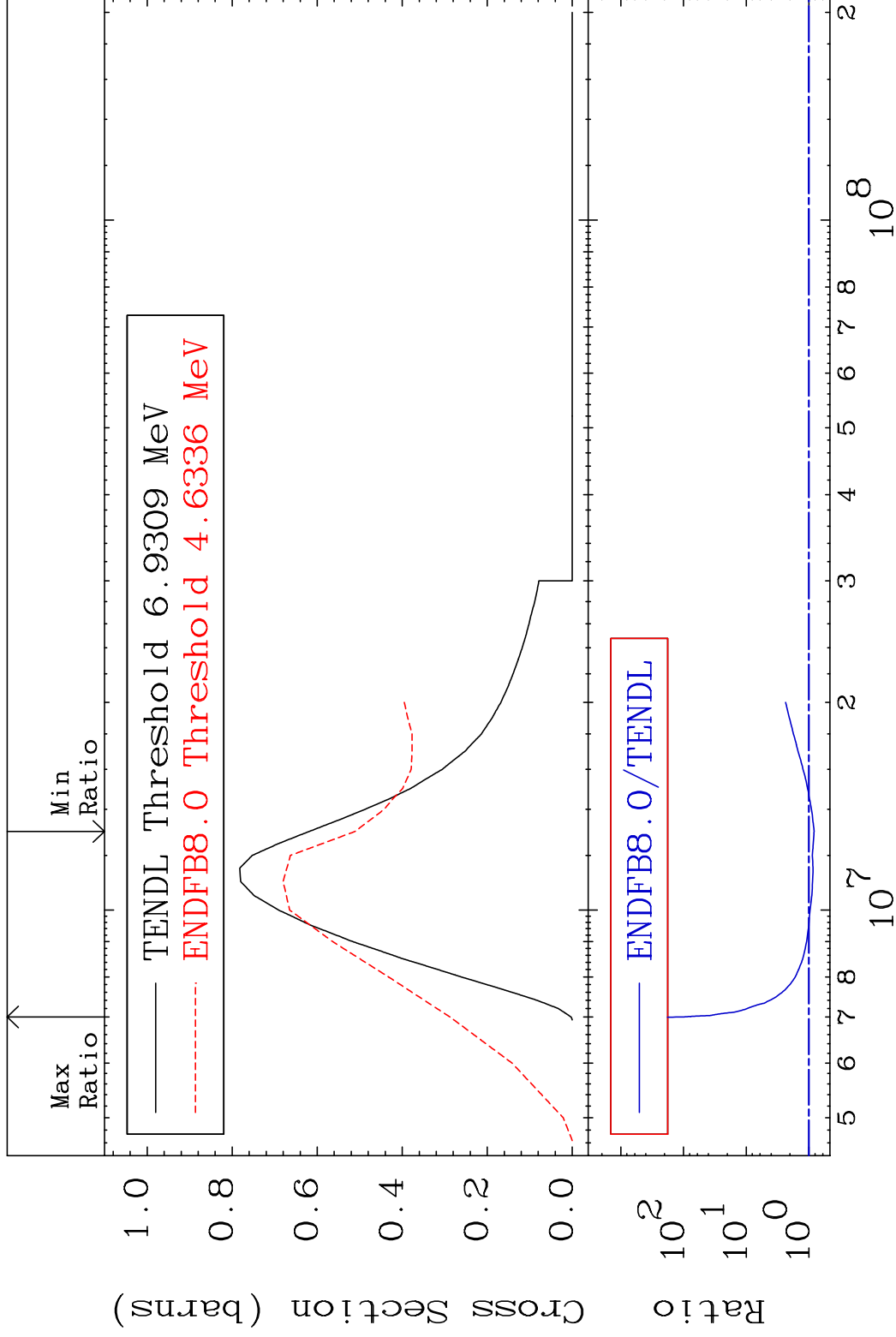


MAT 1631

(n,n') Continuum

16-S -34

Cross Section -17.39 To 9837. %



12

Incident Energy (eV)

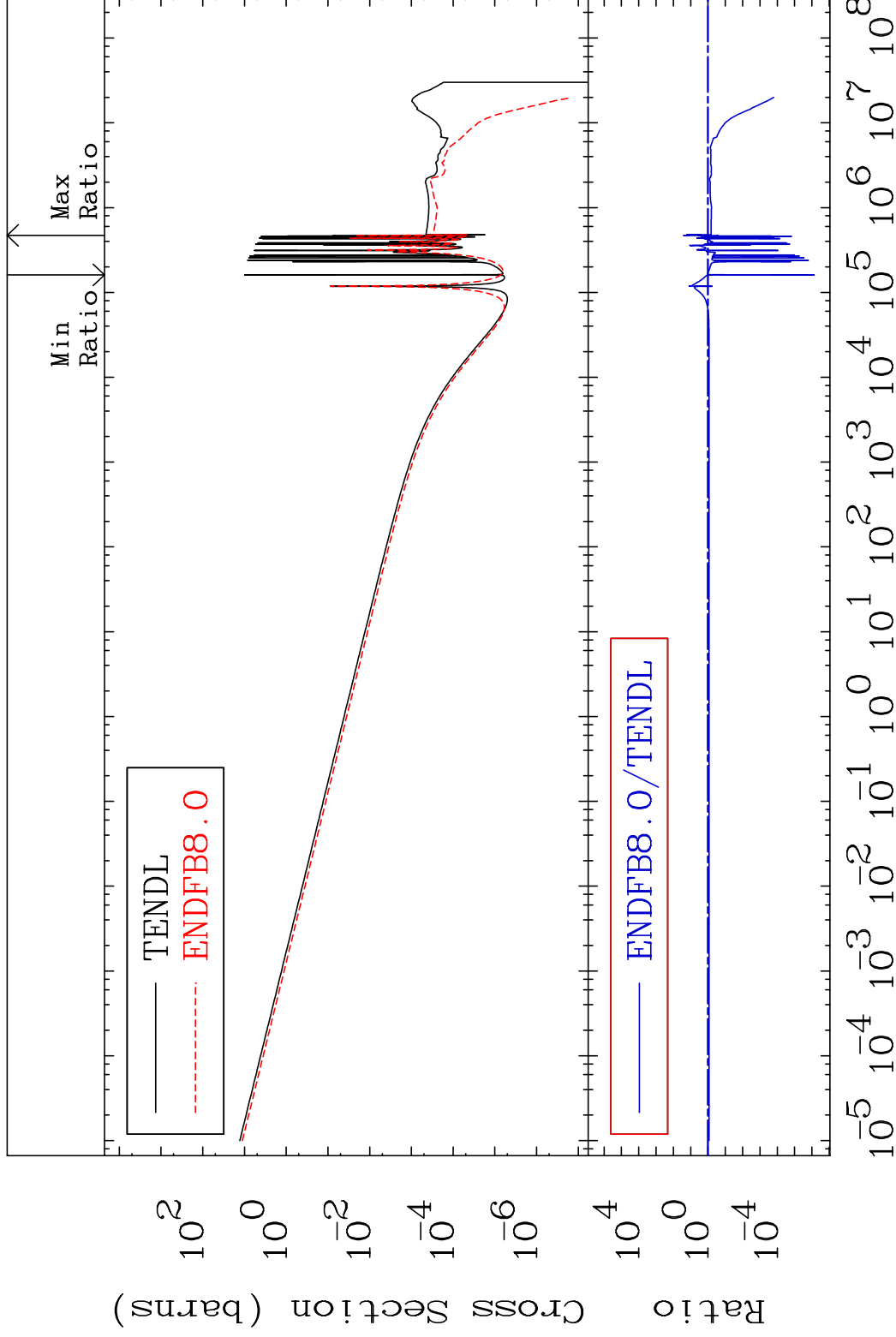
16-S -34

MAT 1631

(n,  $\gamma$ )

16-S -34

Cross Section -100.0 To 2445. %



13

Incident Energy (eV)

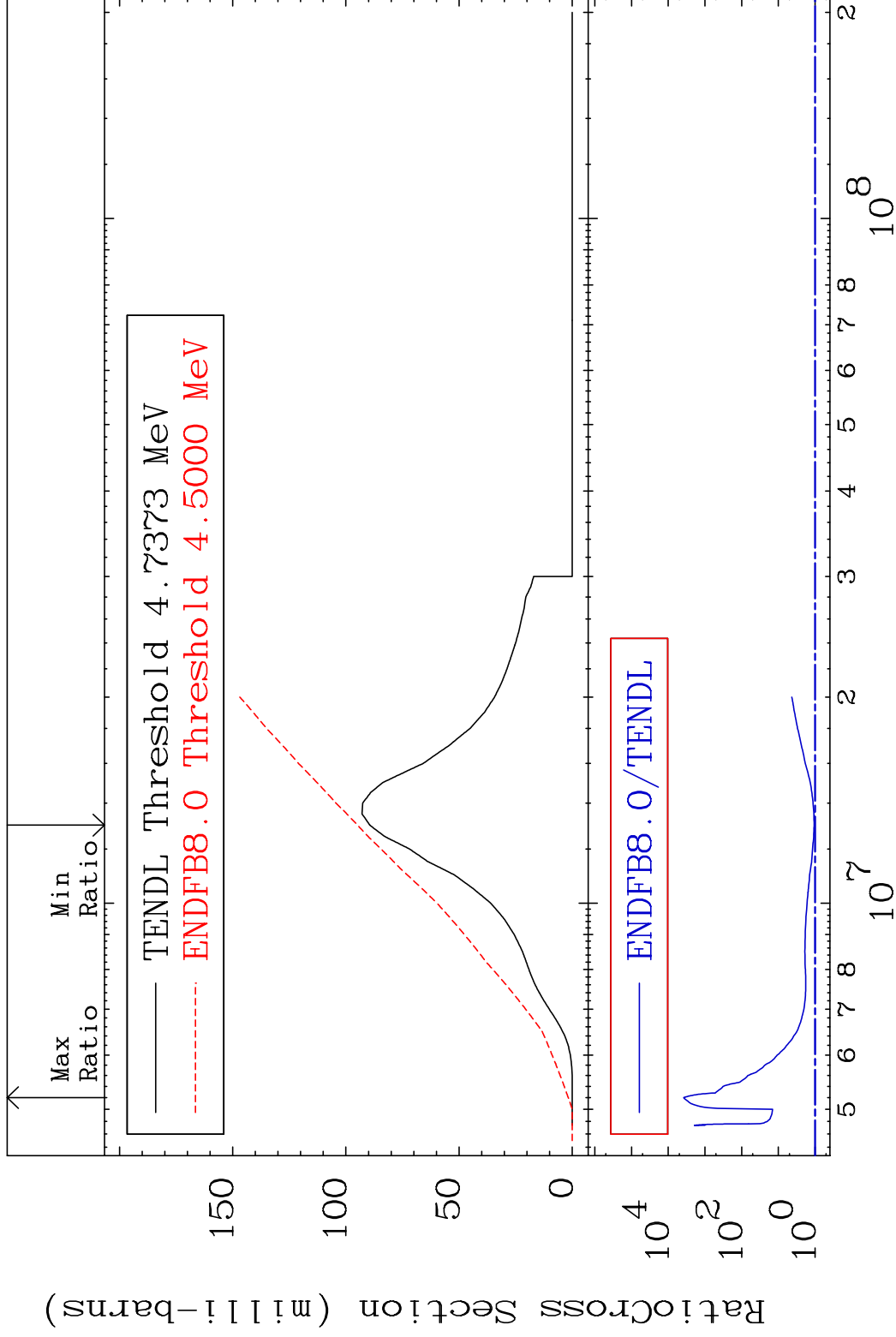
16-S -34

MAT 1631

(n,p)

16-S -34

Cross Section 5.985 To 9999. %



14

Incident Energy (eV)

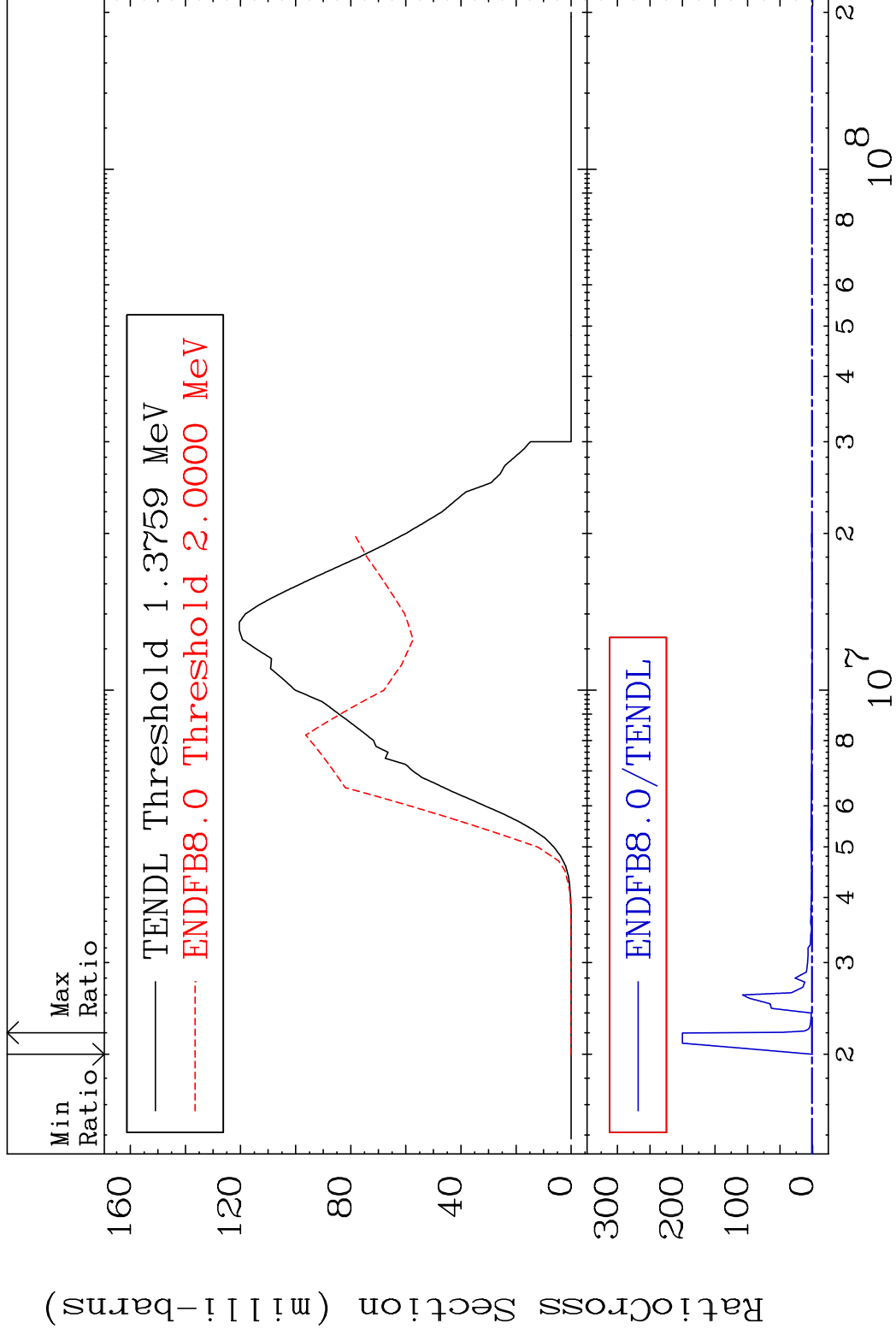
16-S -34

MAT 1631

(n,  $\alpha$ )

16-S -34

Cross Section -100.0 To 9999. %



15

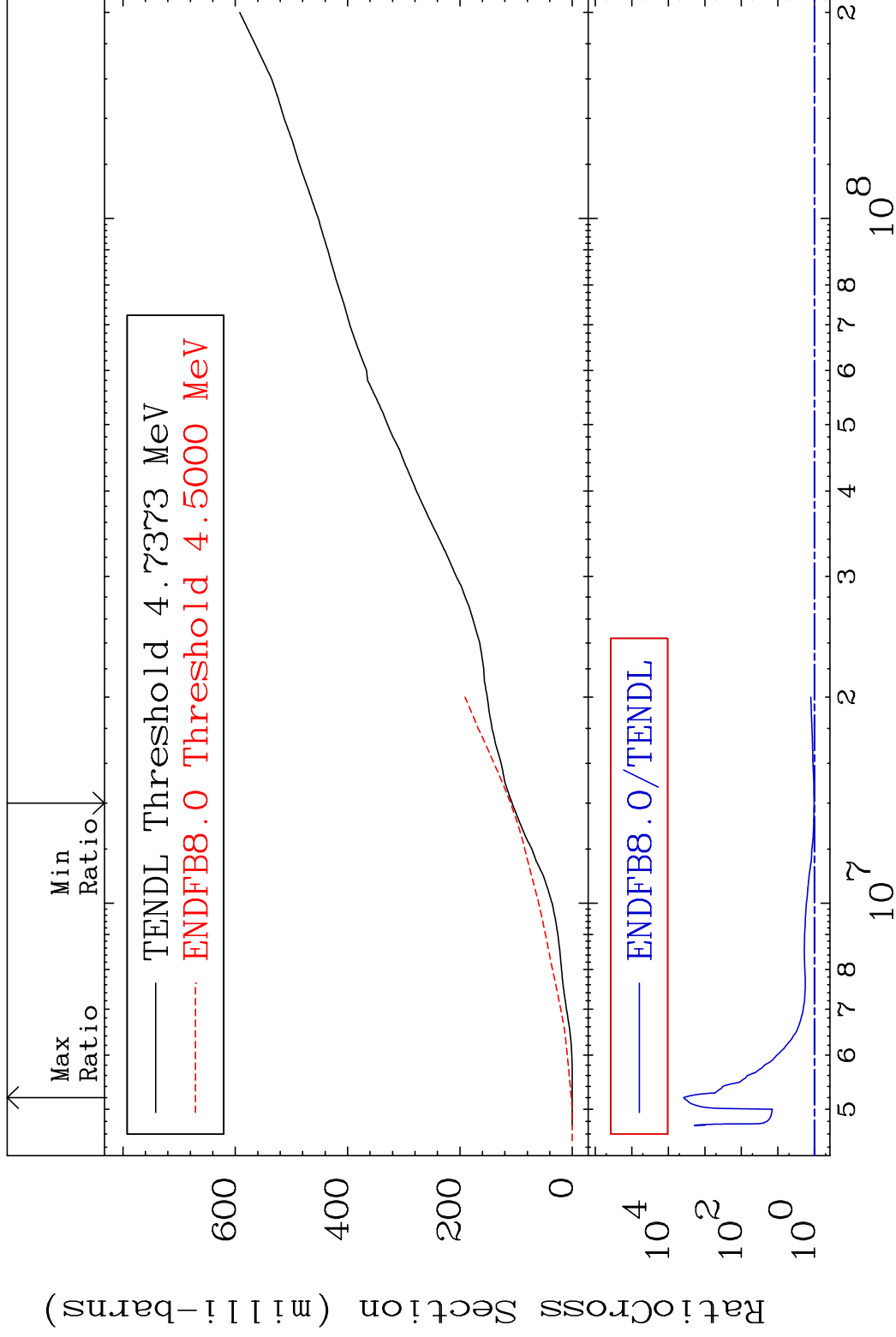
Incident Energy (eV)

16-S -34



MAT 1631

Hydrogen Production 16-S -34  
Cross Section 2.323 To 9999. %

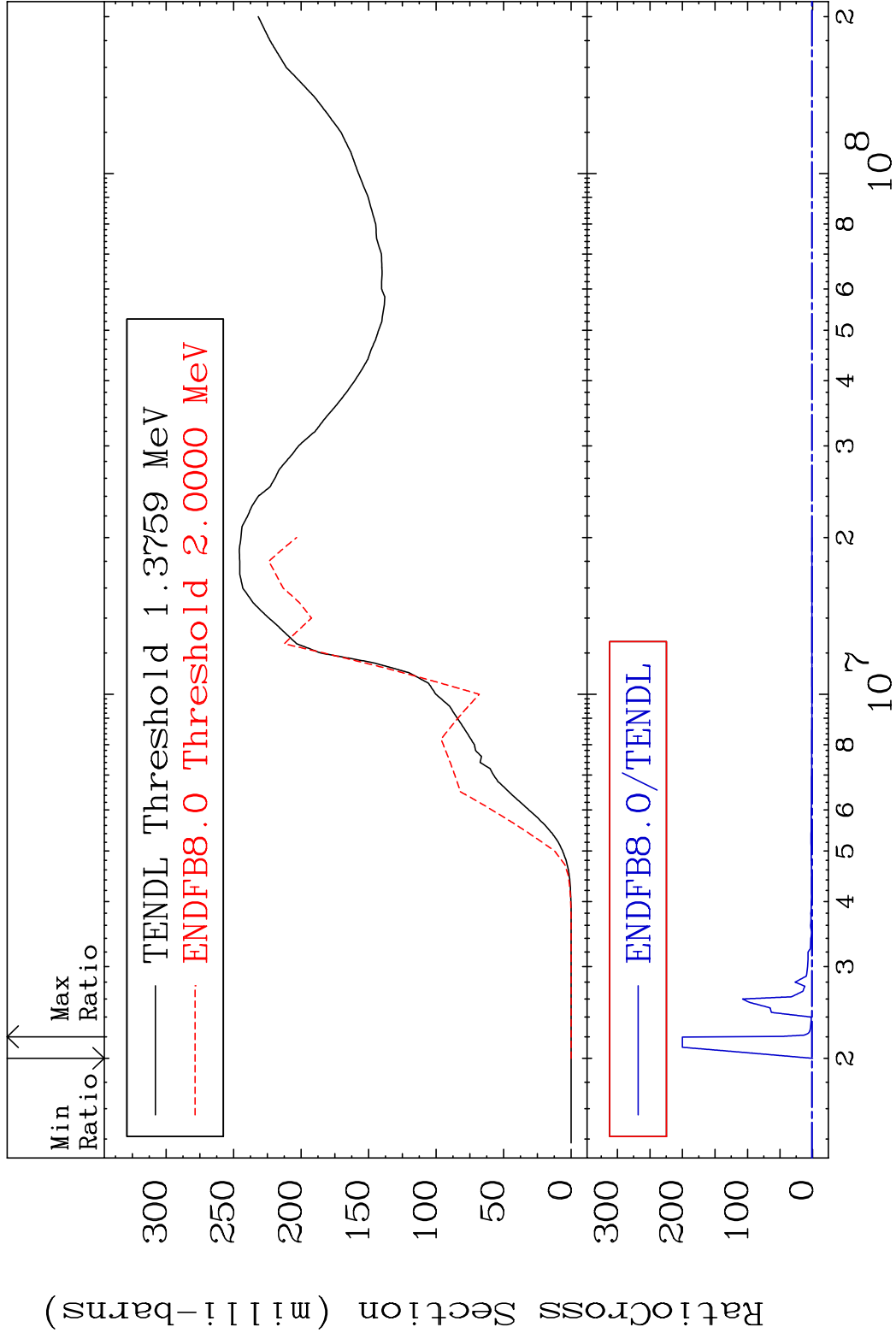


MAT 1631

He-4 Production

16-S -34

Cross Section -100.0 To 9999. %

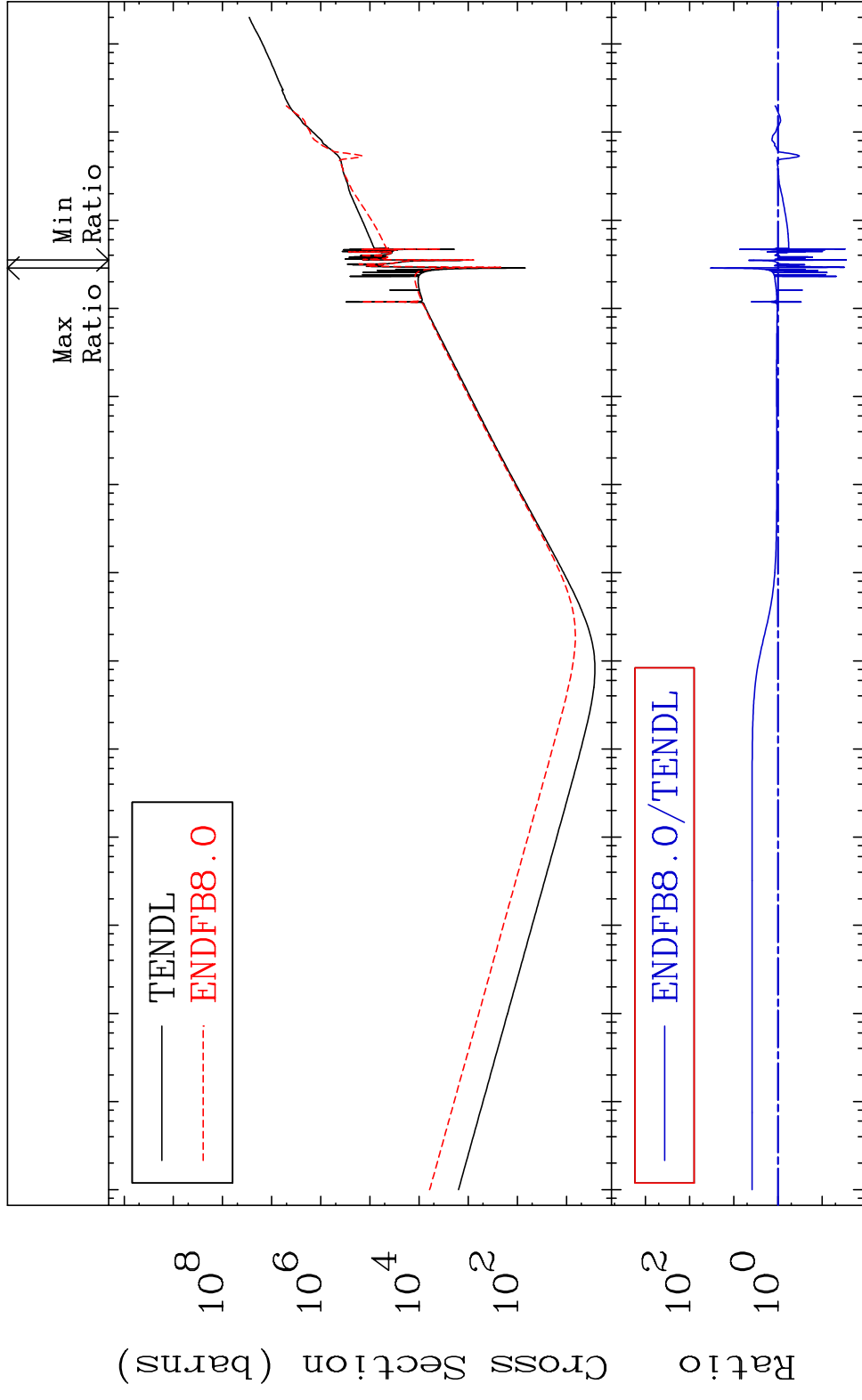


17

Incident Energy (eV)

16-S -34

MAT 1631 Kerma total (eV-barns) 16-S -34  
 Cross Section -97.17 To 3218. %

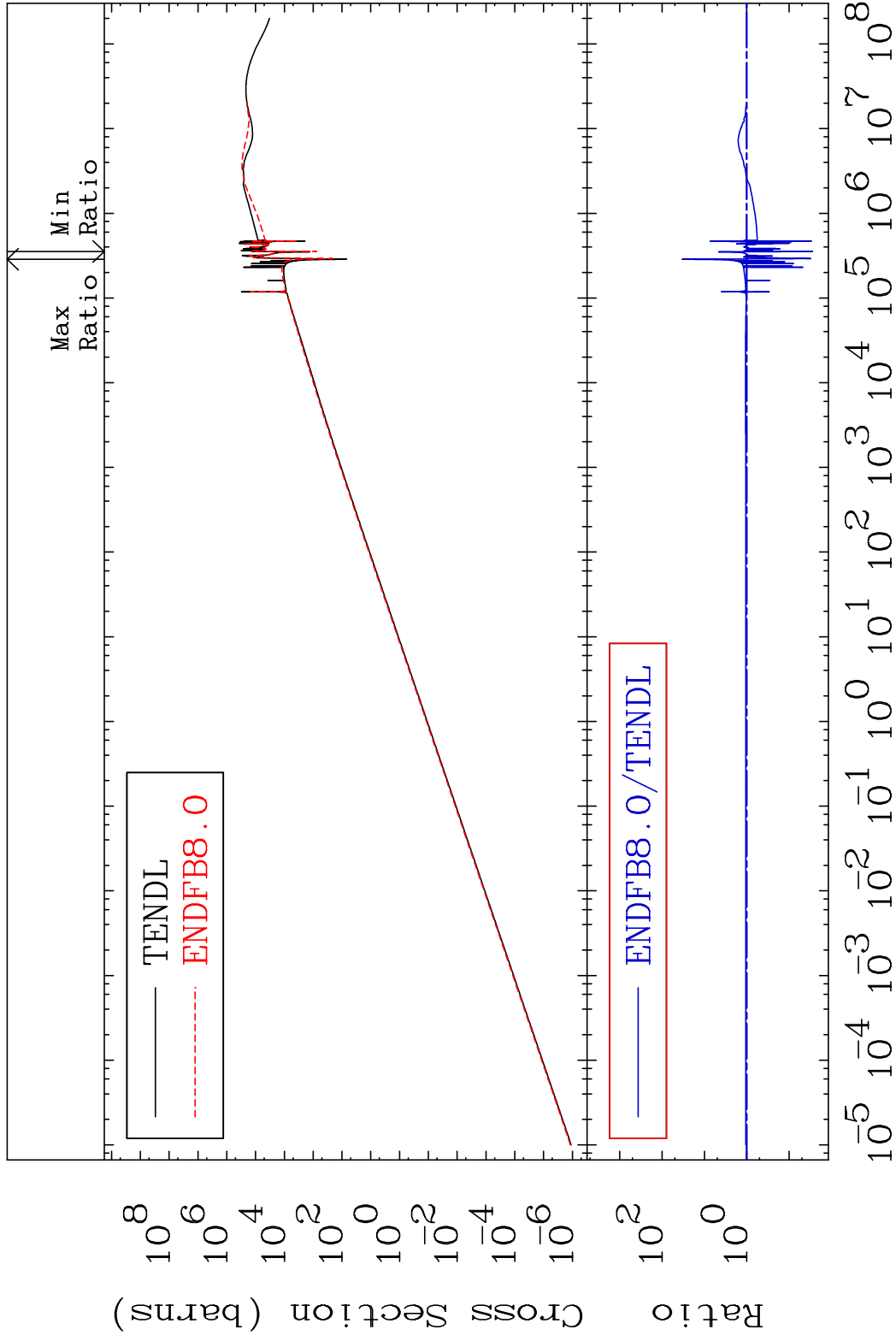


18 Incident Energy (eV) 16-S -34

MAT 1631

Kerma elastic  
Cross Section

16-S -34  
-97.20 To 3219. %

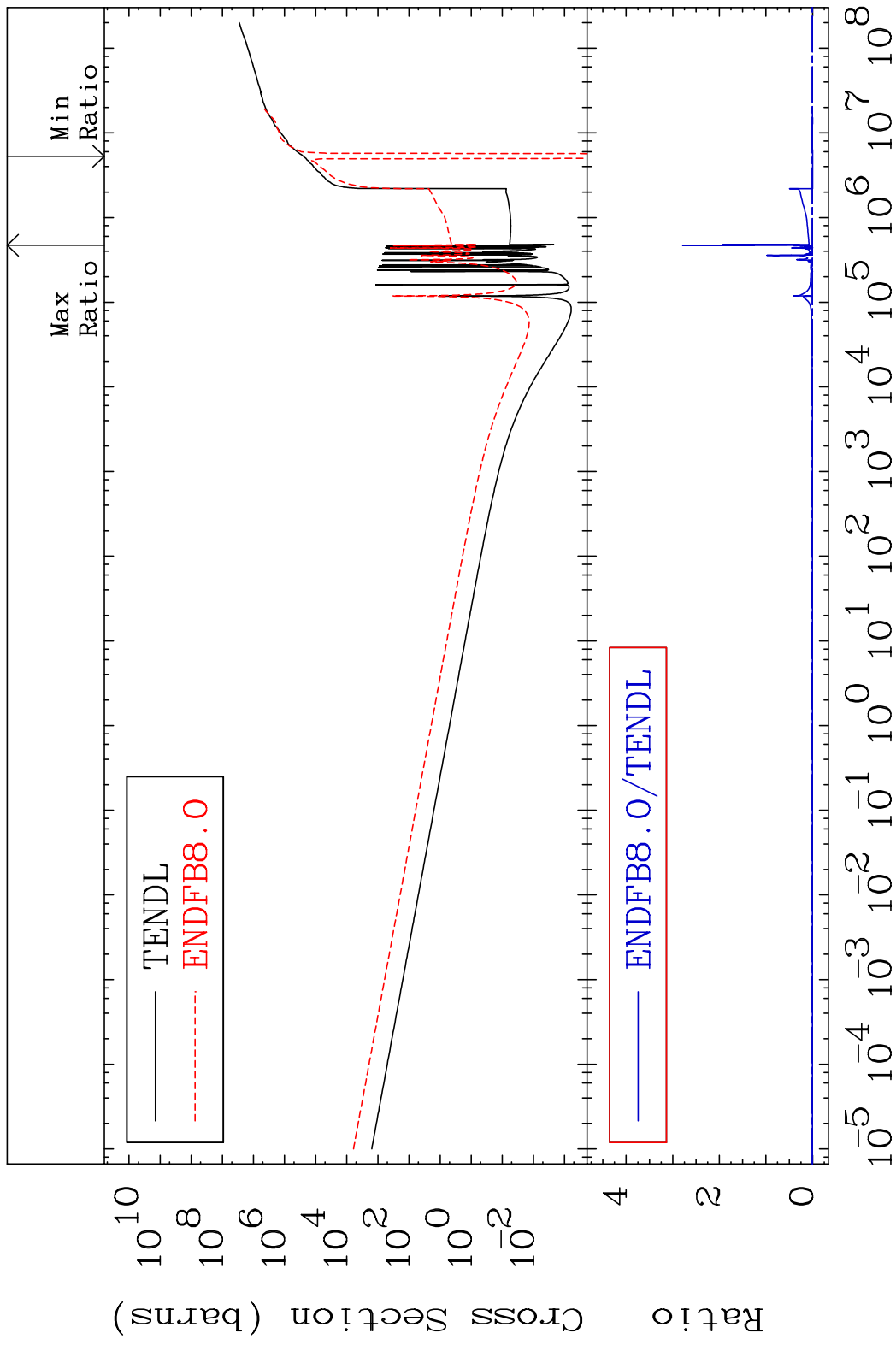


19

Incident Energy (eV)

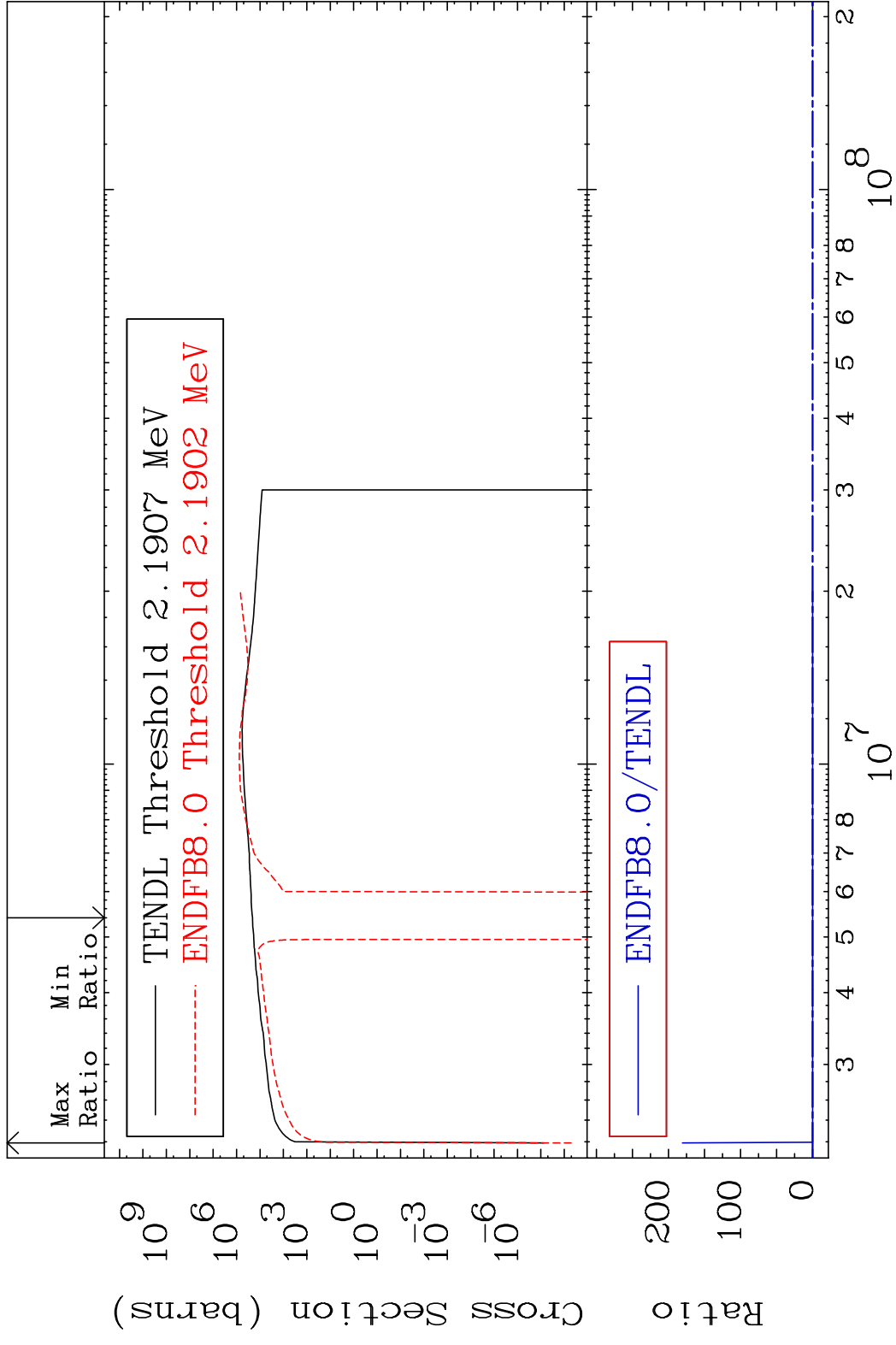
16-S -34

MAT 1631 Kerma non-elastic (all but mt2) 16-S -34  
 Cross Section -147.7 To 9999. %

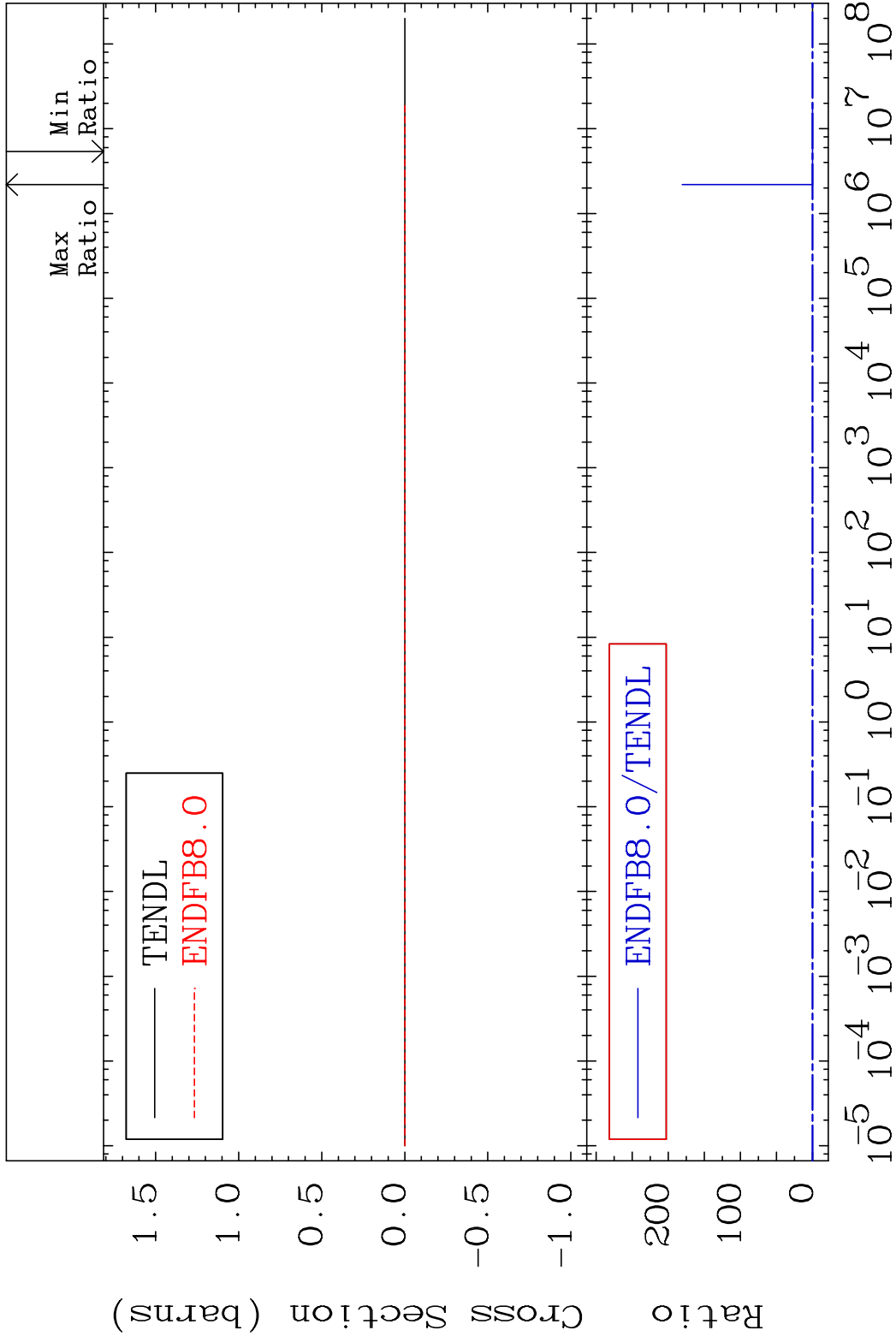


20 Incident Energy (eV) 16-S -34

MAT 1631 Kerma inelastic (mt51-91) 16-S -34  
 Cross Section -215.9 To 9999. %

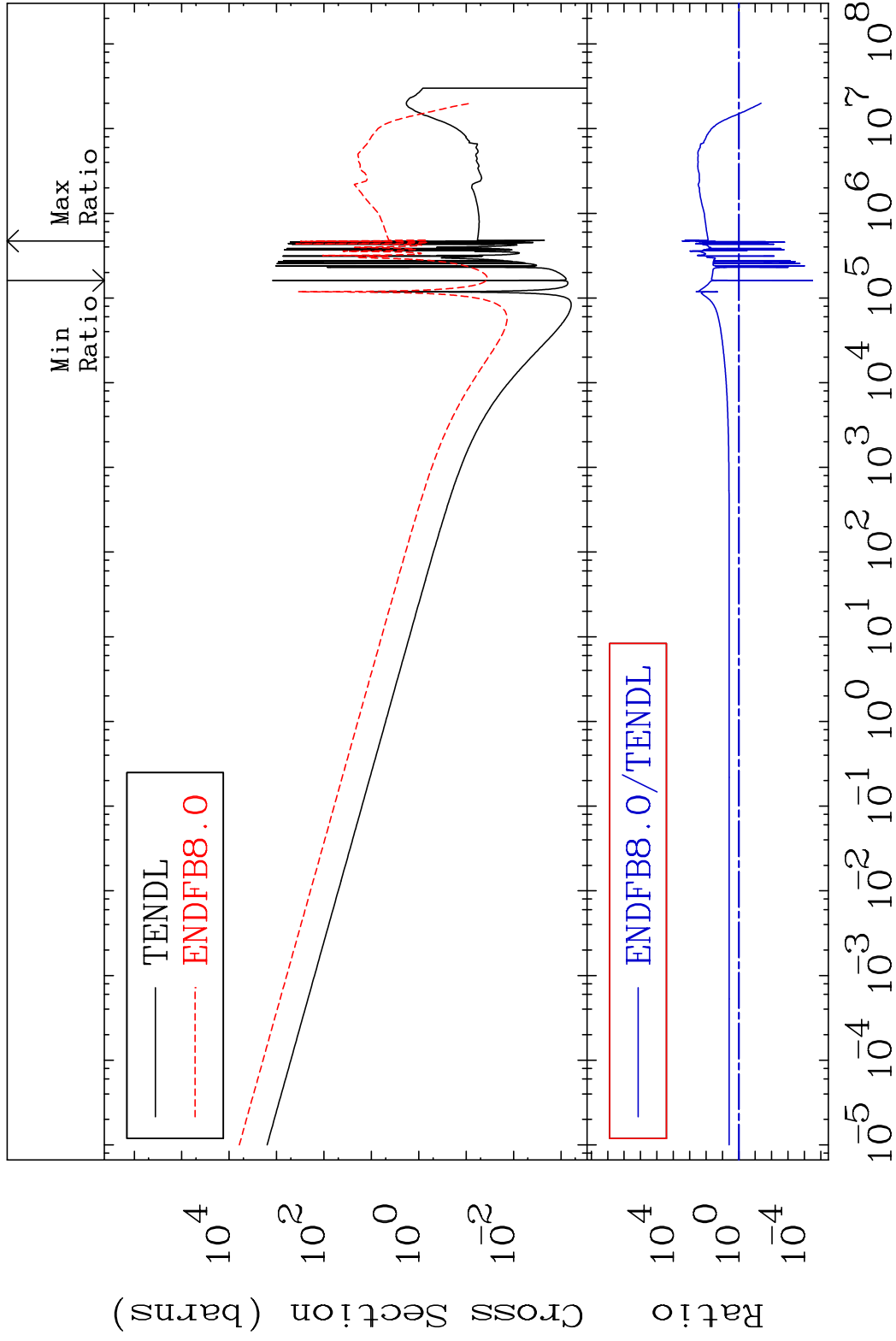


MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34  
 Cross Section -215.9 To 9999. %



MAT 1631

Kerma capture (mt102) 16-S -34  
Cross Section -100.0 To 9999. %



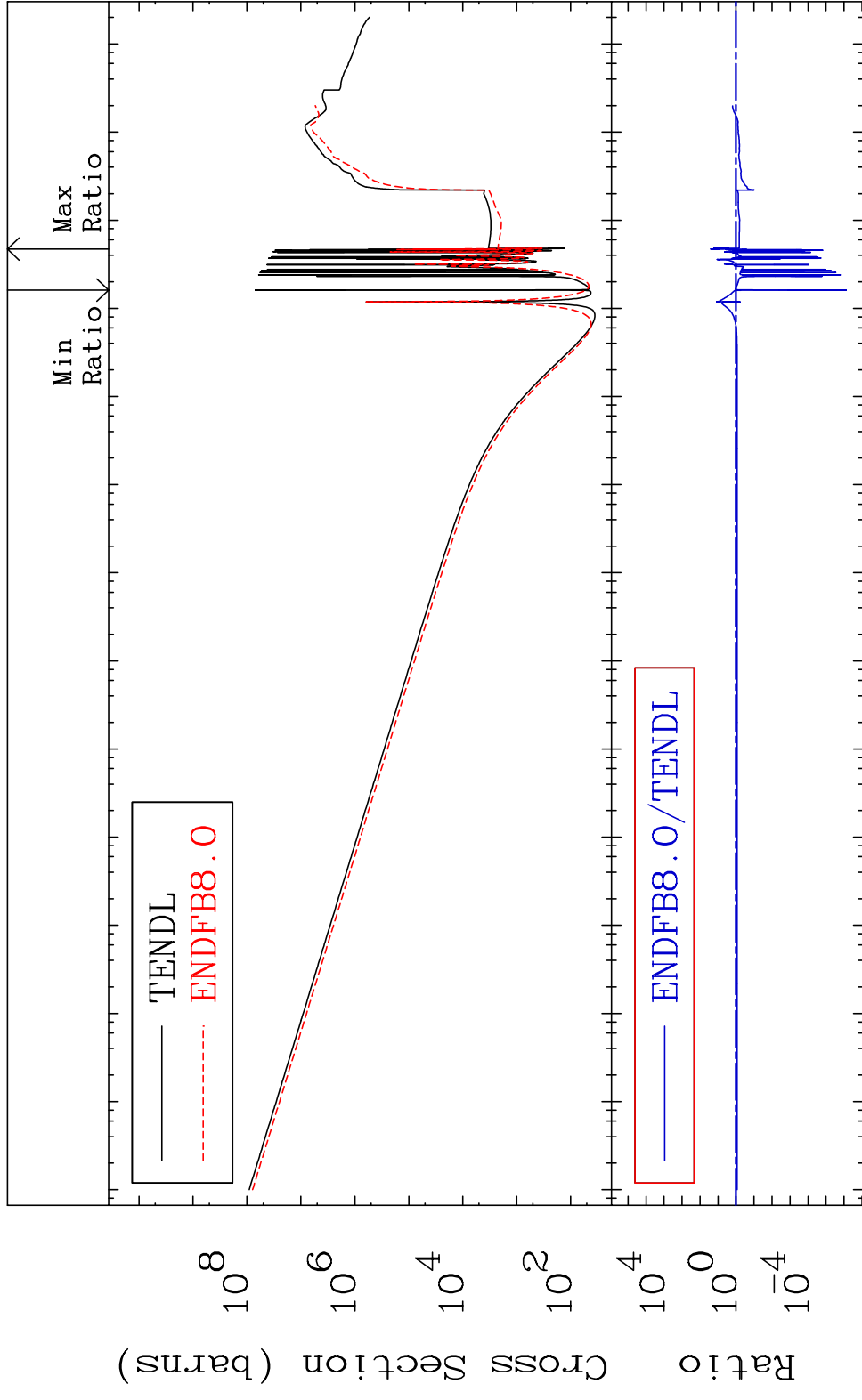
23

Incident Energy (eV)

16-S -34

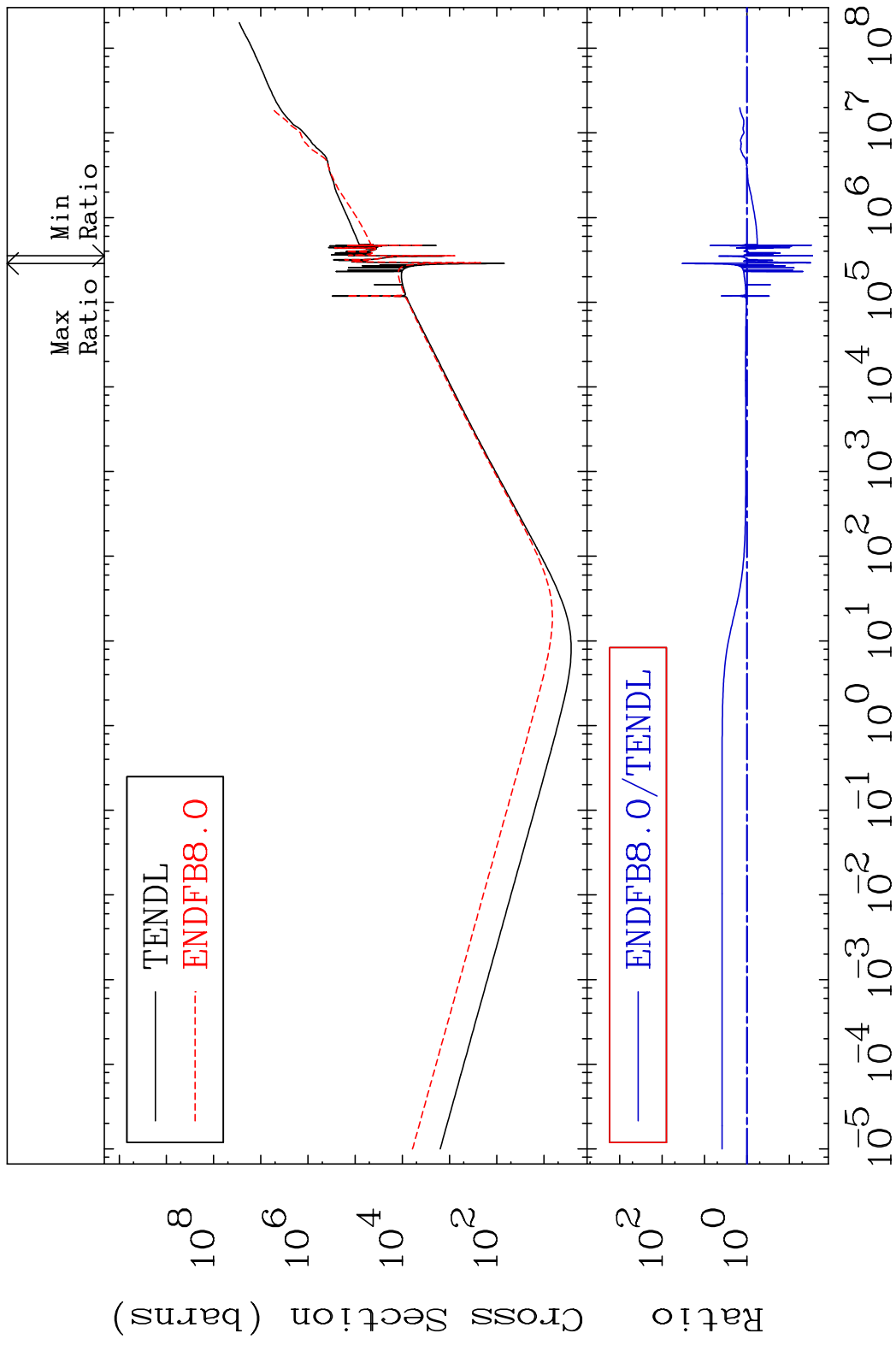


MAT 1631 Total photon (eV-barns) 16-S -34  
 Cross Section -100.0 To 2450. %



24 Incident Energy (eV) 16-S -34

MAT 1631 Total kinematic kerma (high limit) 16-S -34  
 Cross Section -97.17 To 3218. %



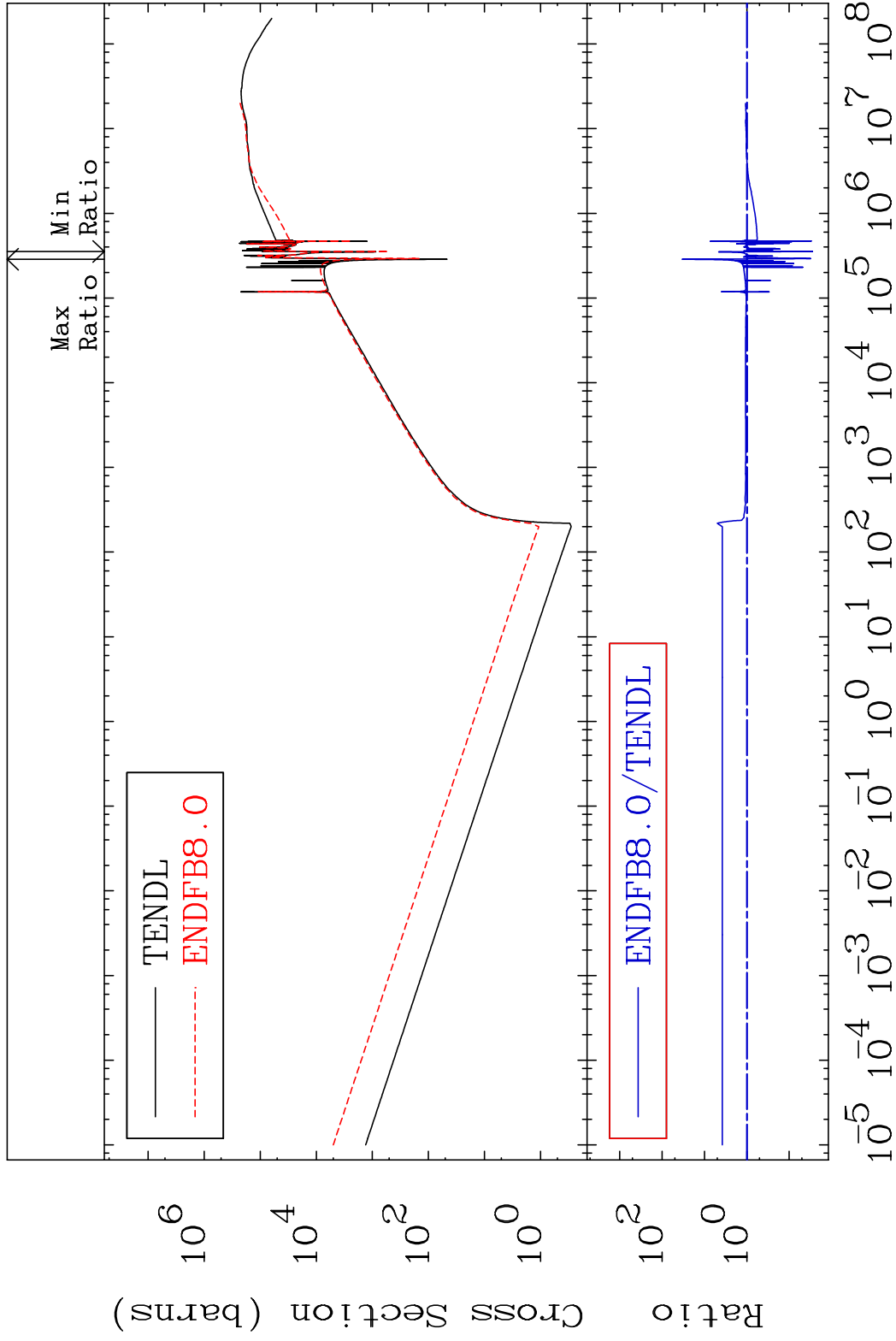
25 Incident Energy (eV) 16-S -34

MAT 1631

Dpa total (eV-barns)

16-S -34

Cross Section -97.19 To 3224. %



26

Incident Energy (eV)

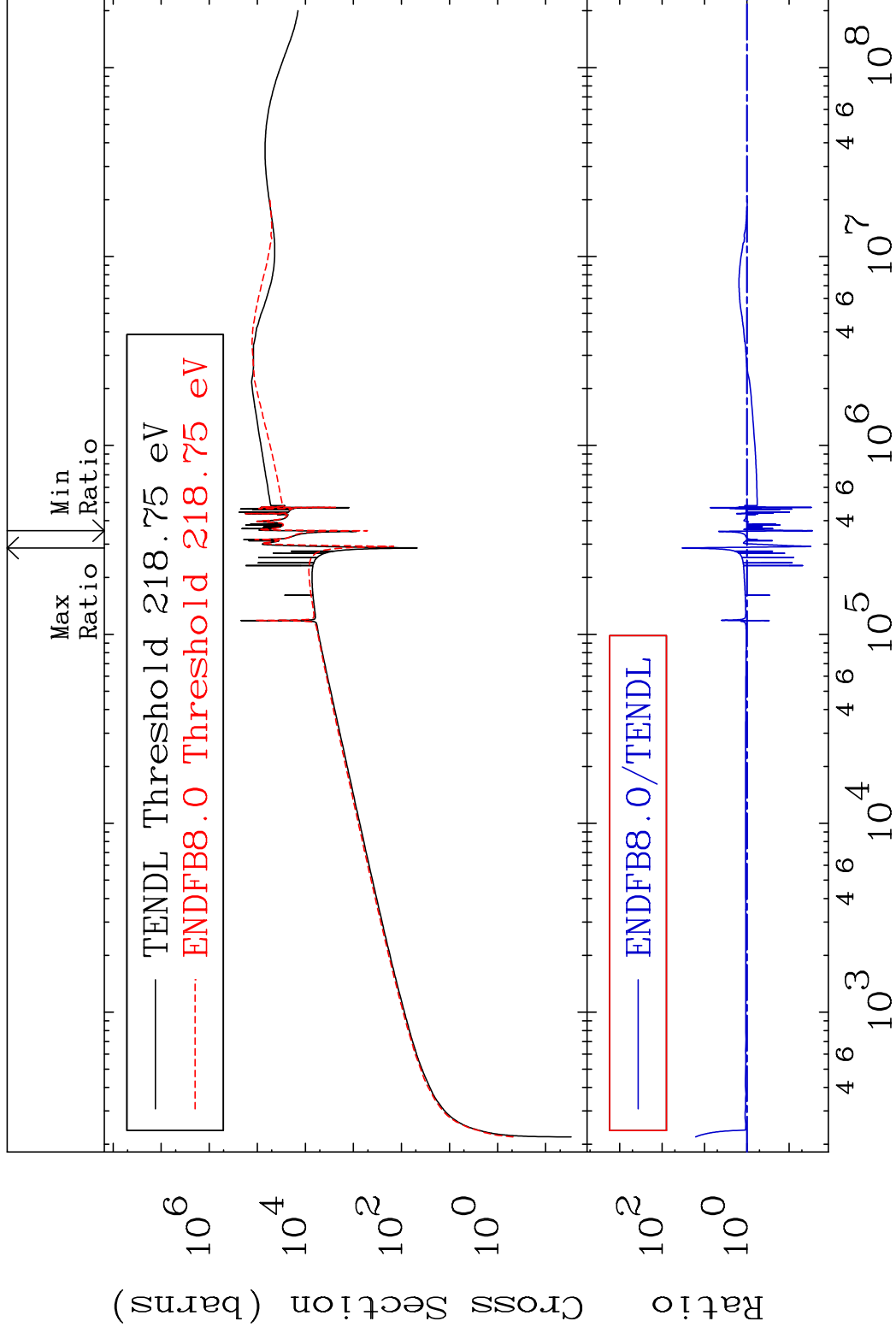
16-S -34

MAT 1631

Dpa elastic (mt2)

16-S -34

Cross Section -97.19 To 3226. %

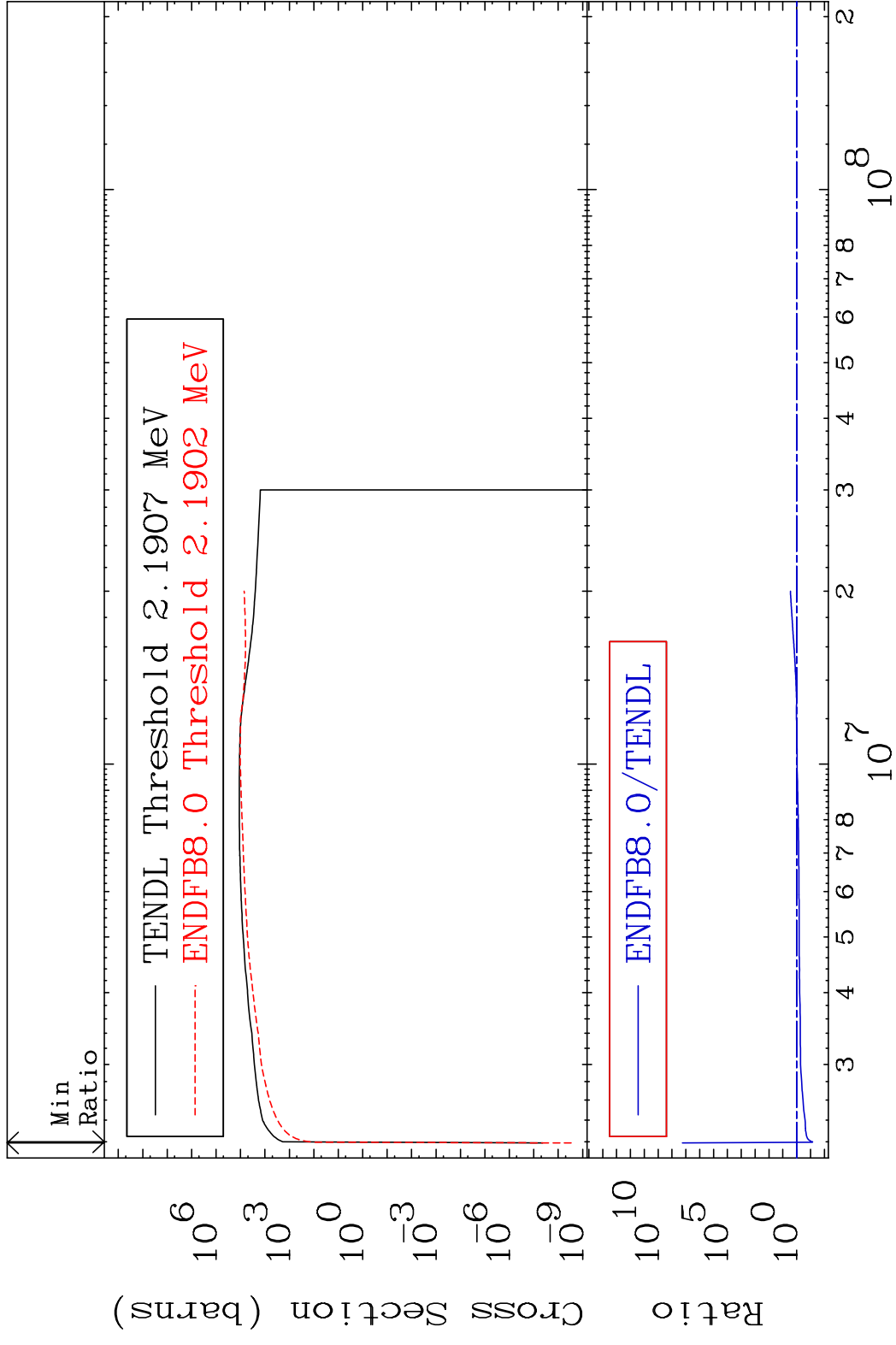


27

Incident Energy (eV)

16-S -34

MAT 1631      Dpa inelastic (mt51-91)      16-S -34  
 Cross Section      -92.87 To 9999. %



MAT 1631 Dpa disappearance (mt102 -120) 16-S -34  
 Cross Section -100.0 To 9999. %

