

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

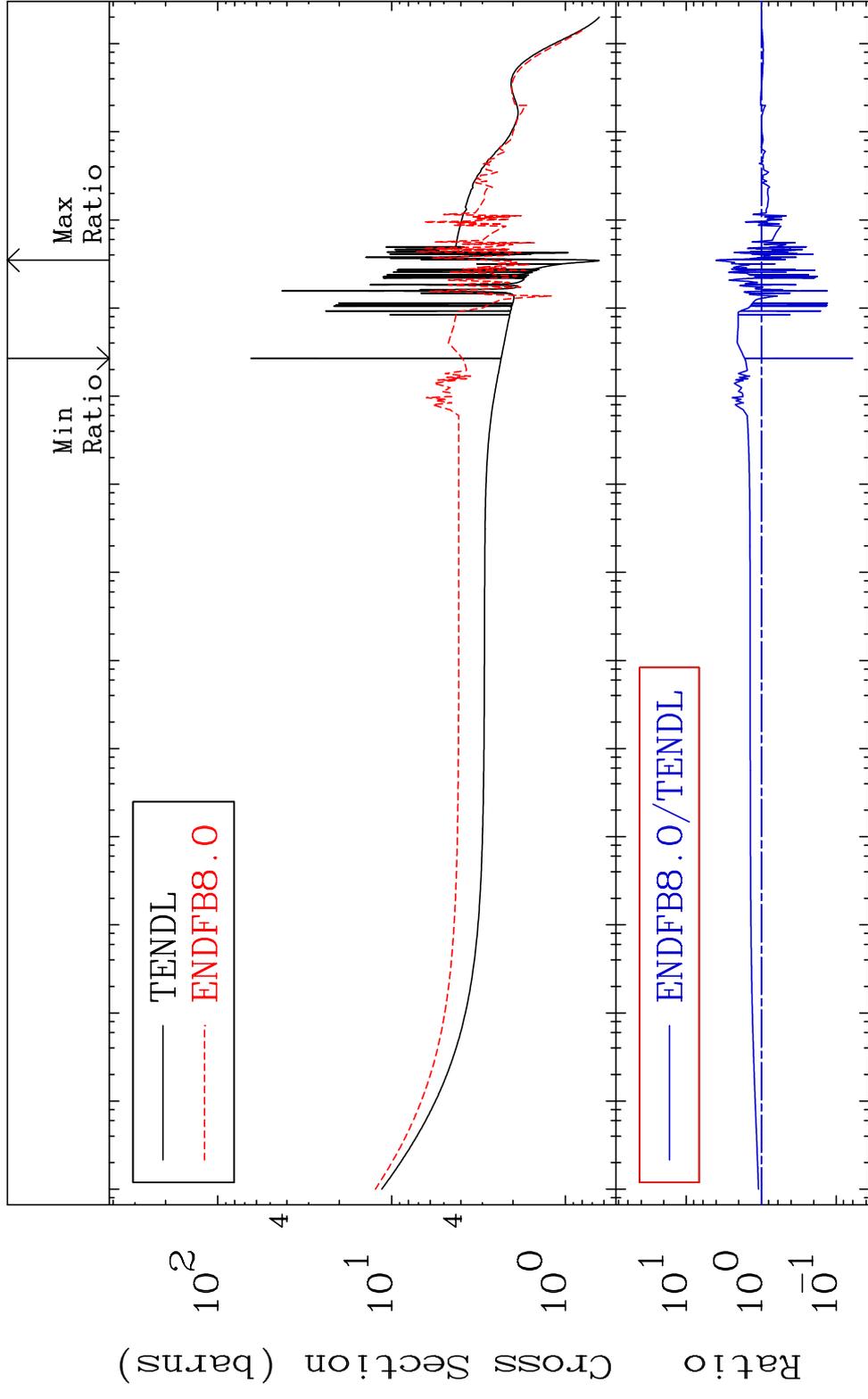
Press Mouse Button to Start

MAT 1525

Total

15-P -31

Cross Section -93.93 To 303.1 %



1

Incident Energy (eV)

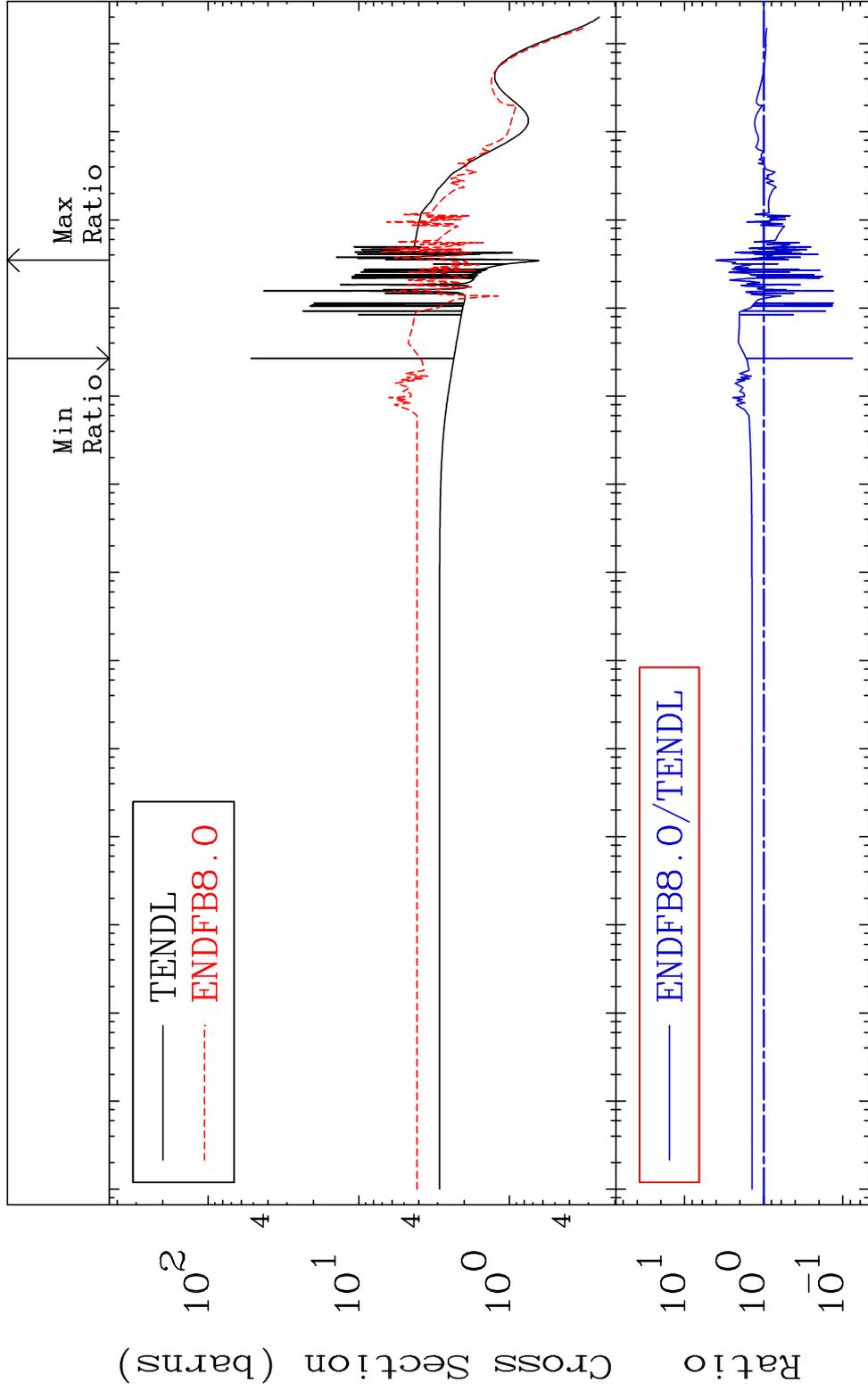
15-P -31

MAT 1525

Elastic

15-P -31

Cross Section -92.48 To 302.9 %

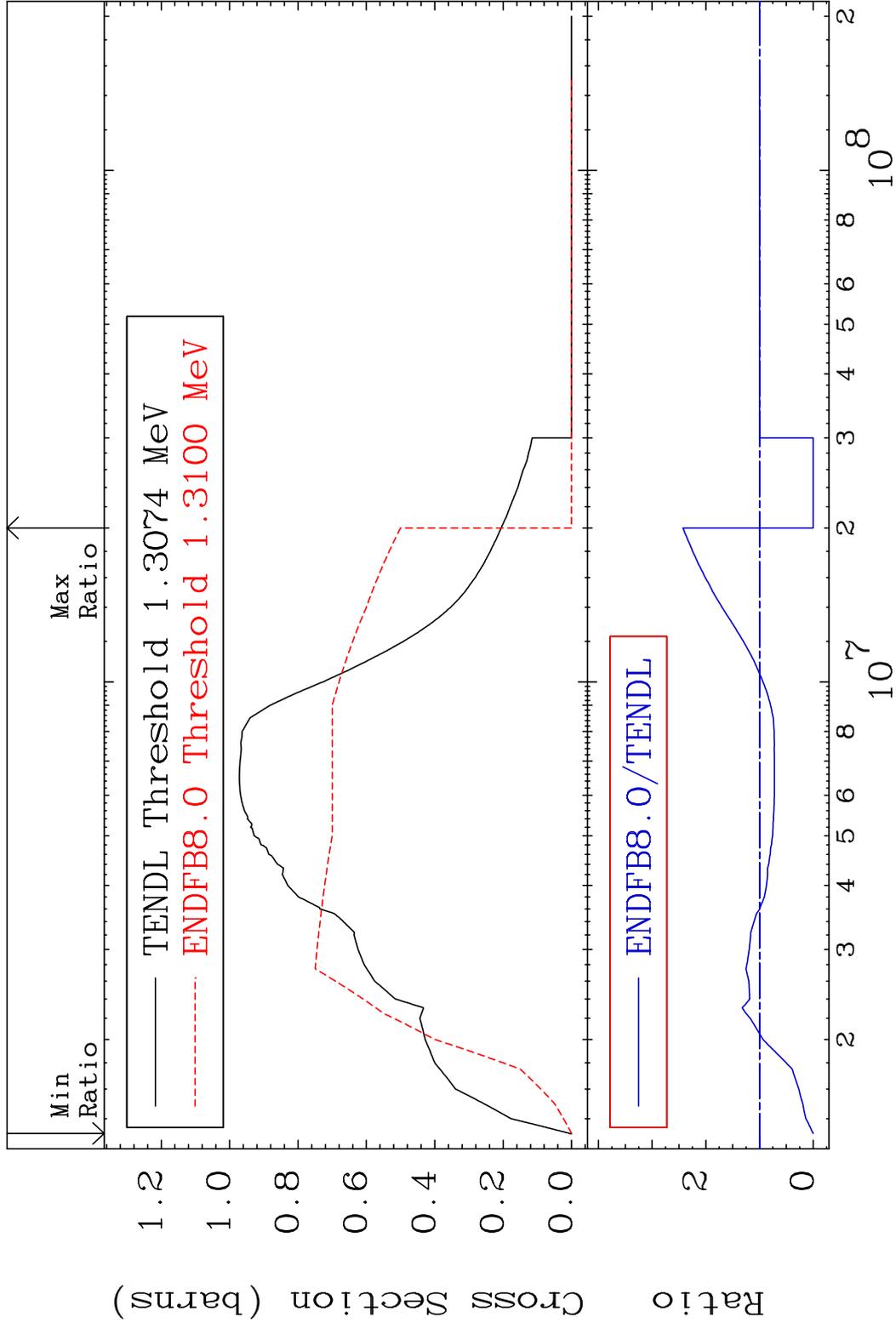


2

Incident Energy (eV)

15-P -31

MAT 1525 Inelastic 15-P -31  
 Cross Section -100.0 To 142.8 %



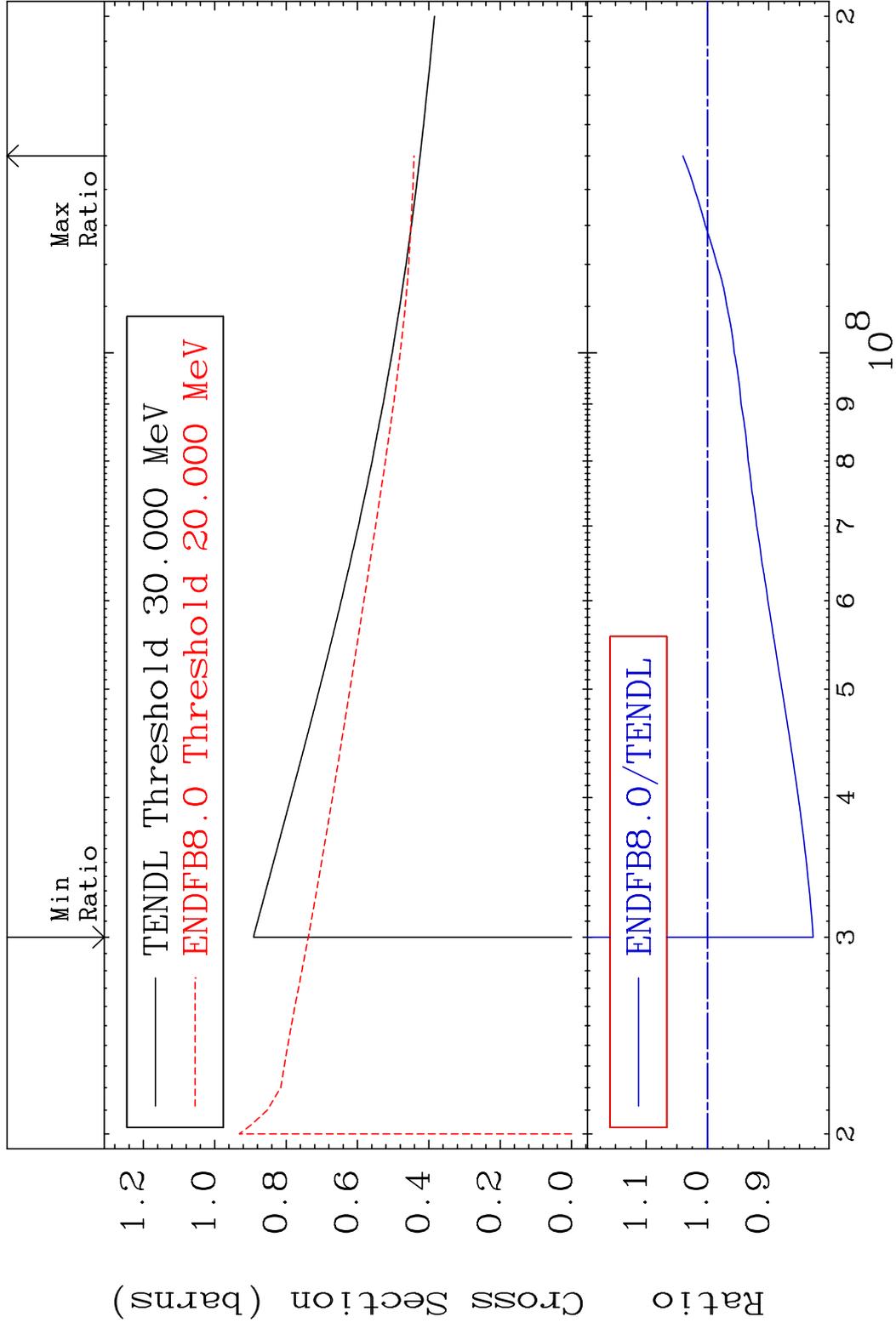
3 Incident Energy (eV) 15-P -31

MAT 1525

(n, remainder)

15-P -31

Cross Section -17.24 To 4.026 %

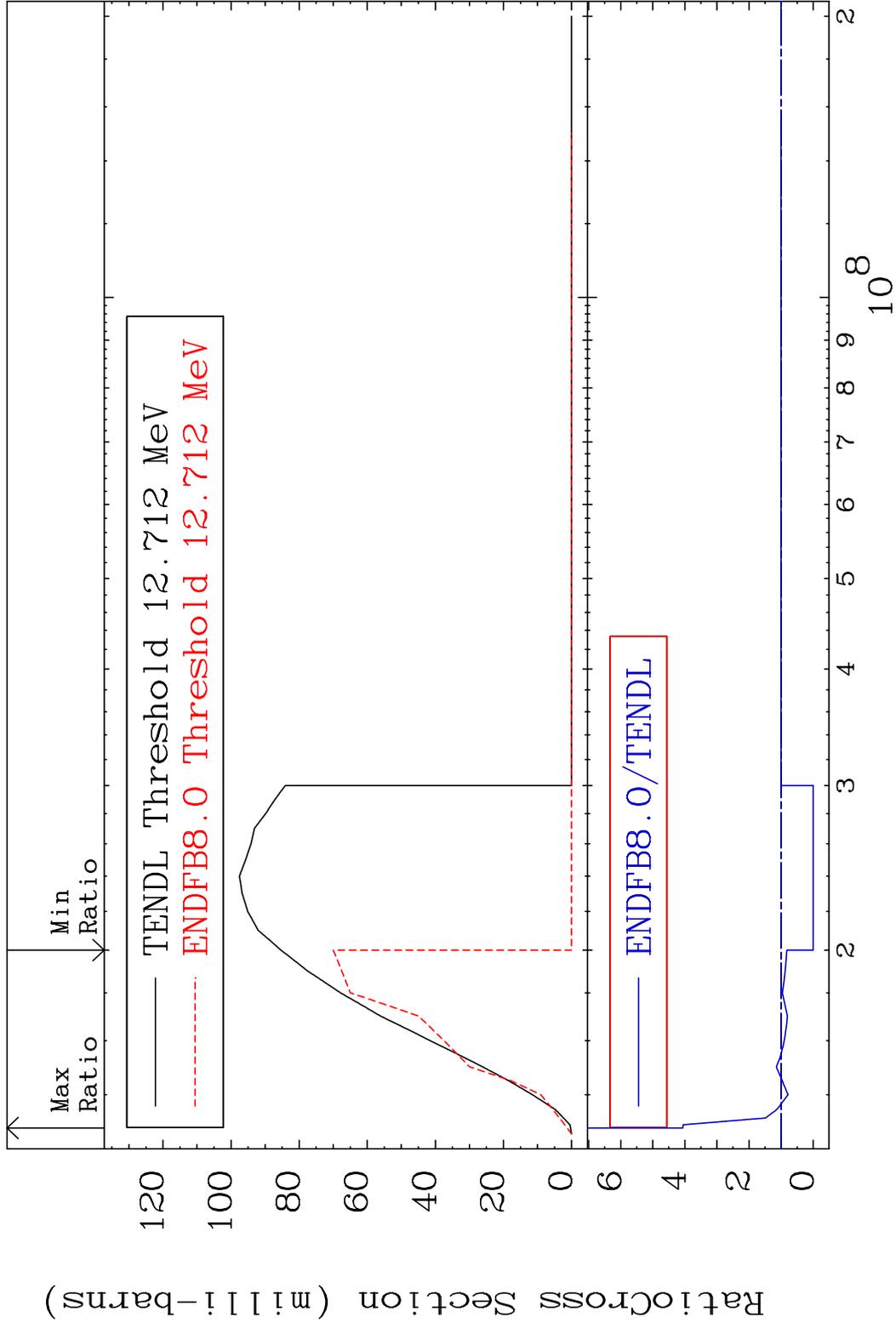


4

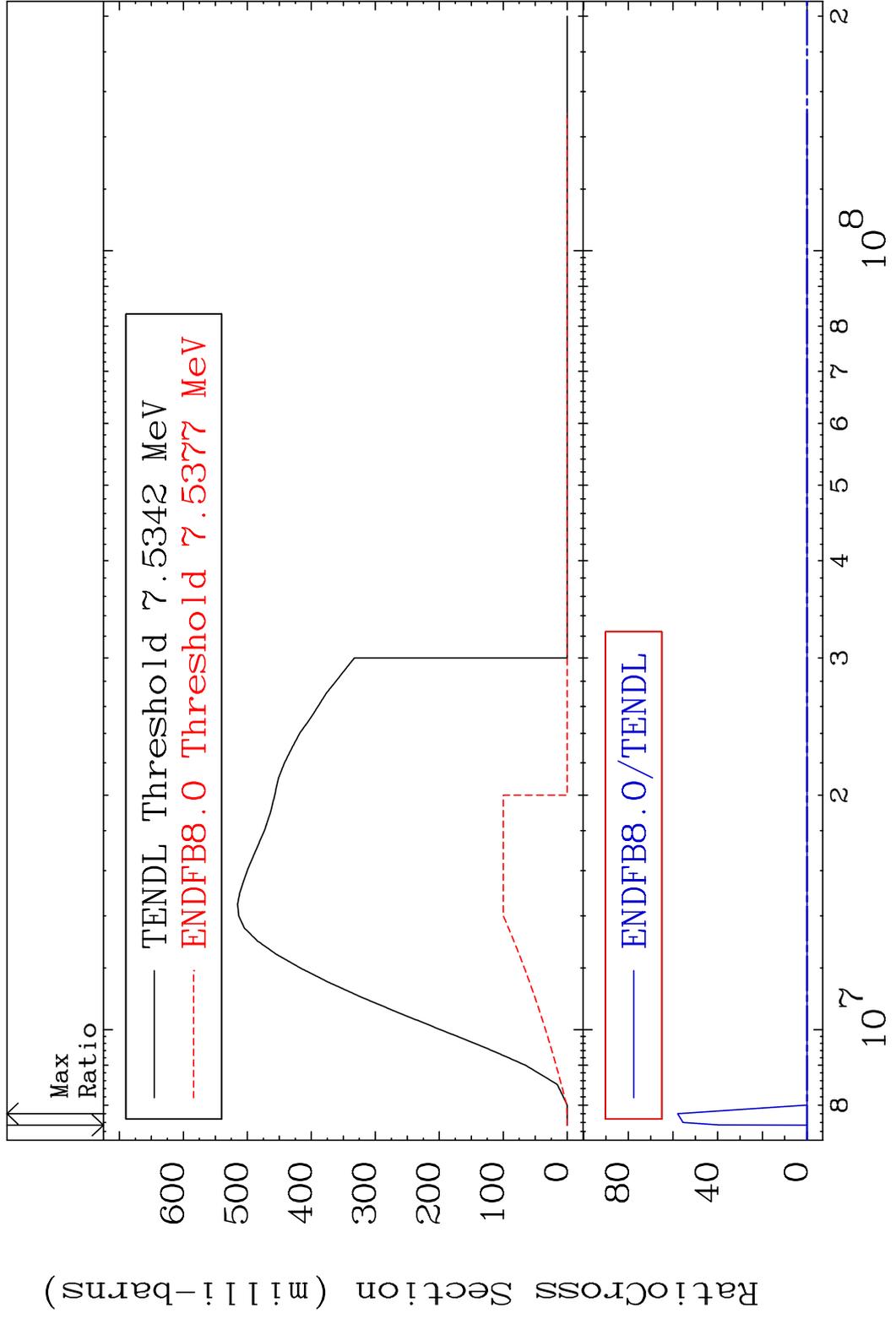
Incident Energy (eV)

15-P -31

MAT 1525 (n,2n) 15-P -31  
 Cross Section -100.0 To 306.3 %



MAT 1525 (n, n') p 15-P -31  
 Cross Section -100.0 To 9999. %



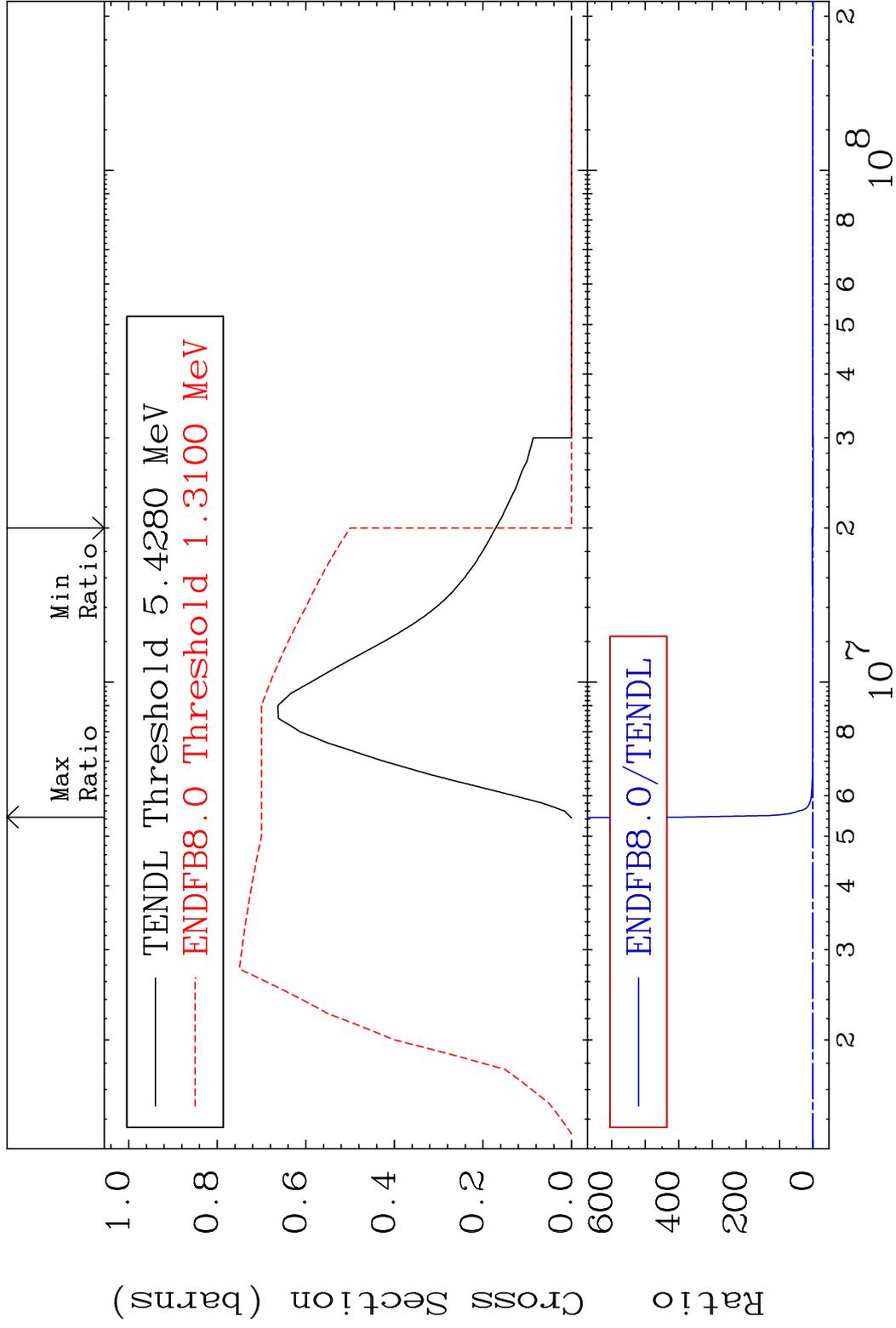
6 15-P -31

MAT 1525

(n,n') Continuum

15-P -31

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

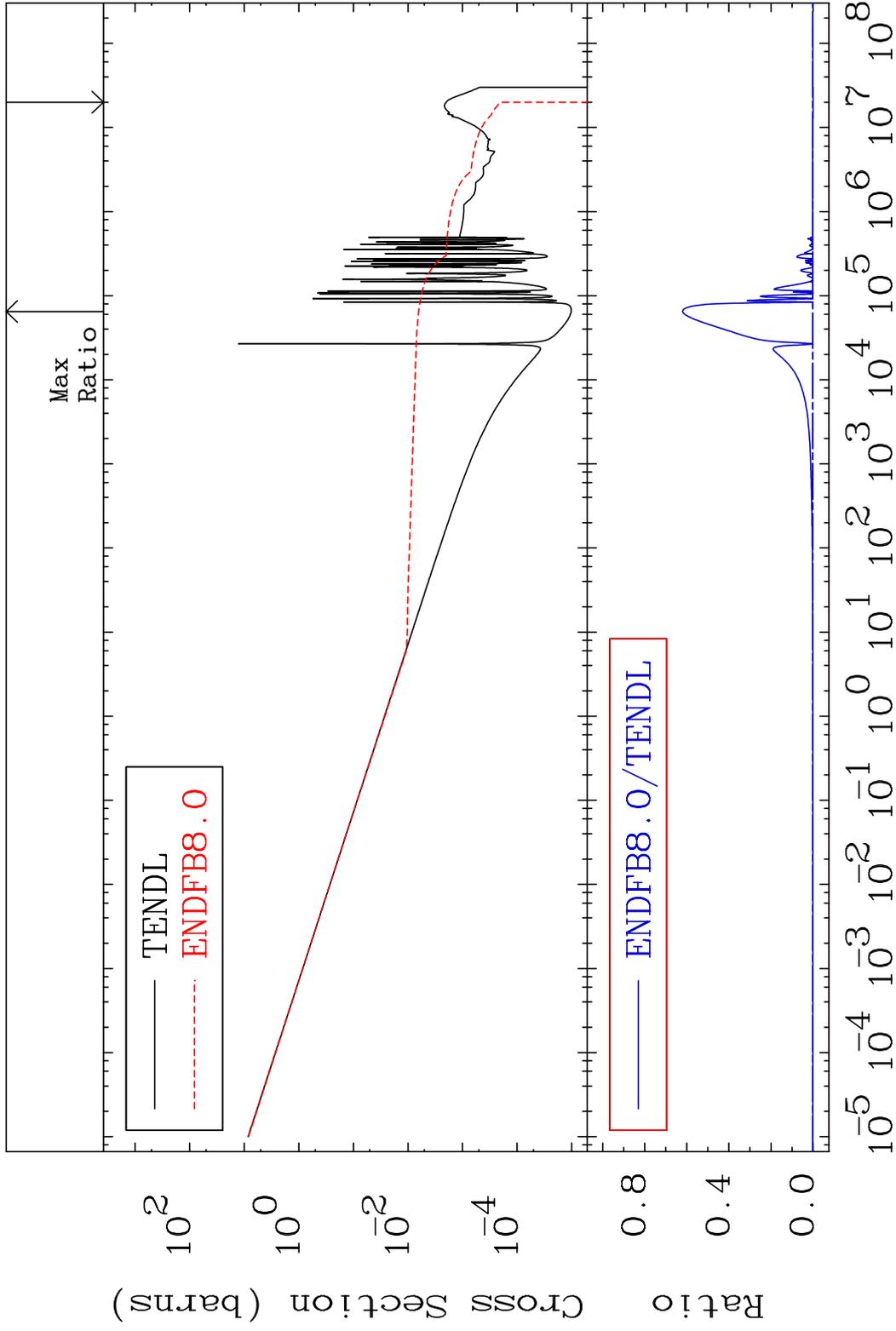
15-P -31

MAT 1525

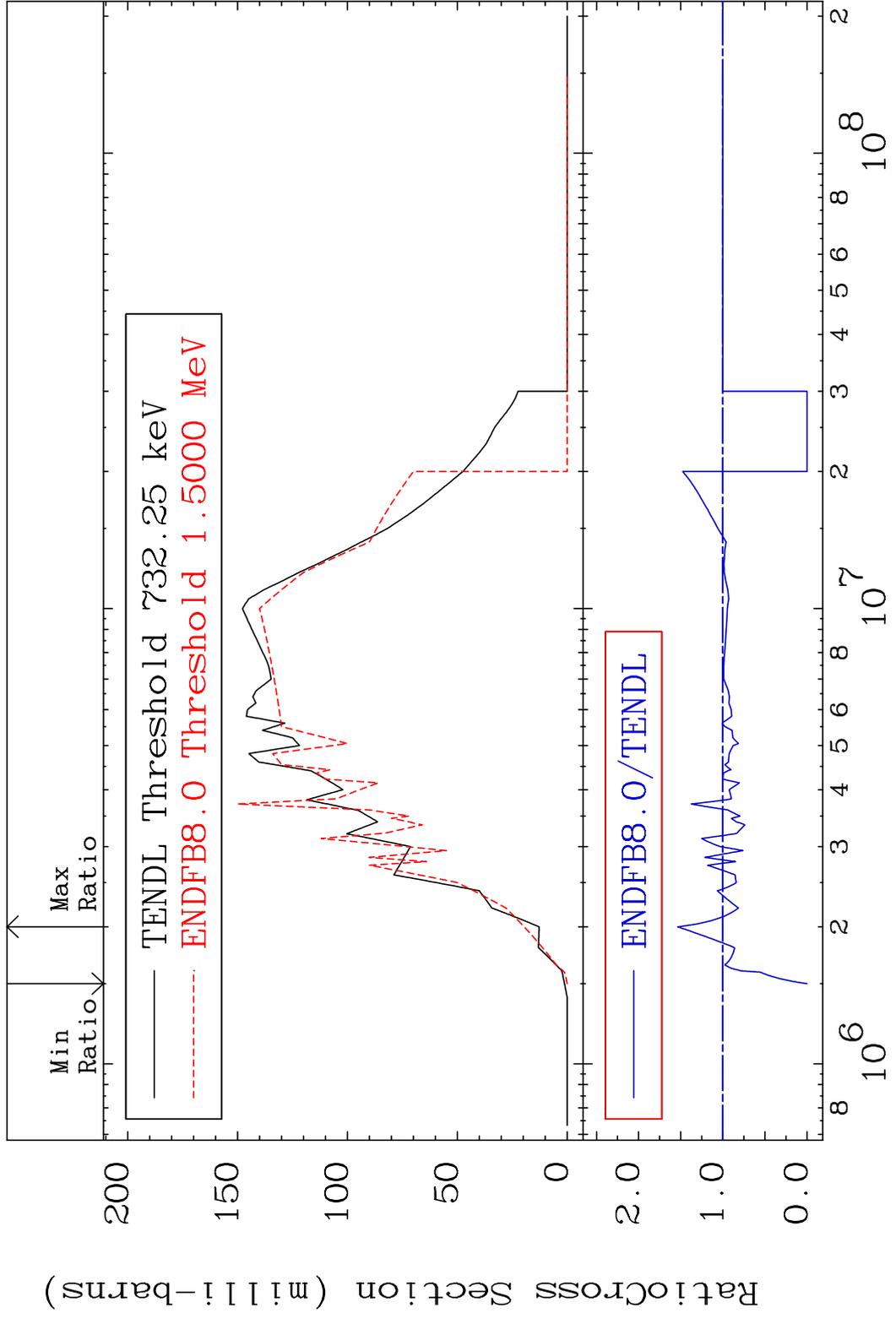
(n,  $\gamma$ )

15-P -31

Cross Section -100.0 To 9999. %



MAT 1525 (n,p) 15-P -31  
 Cross Section -100.0 To 53.60 %

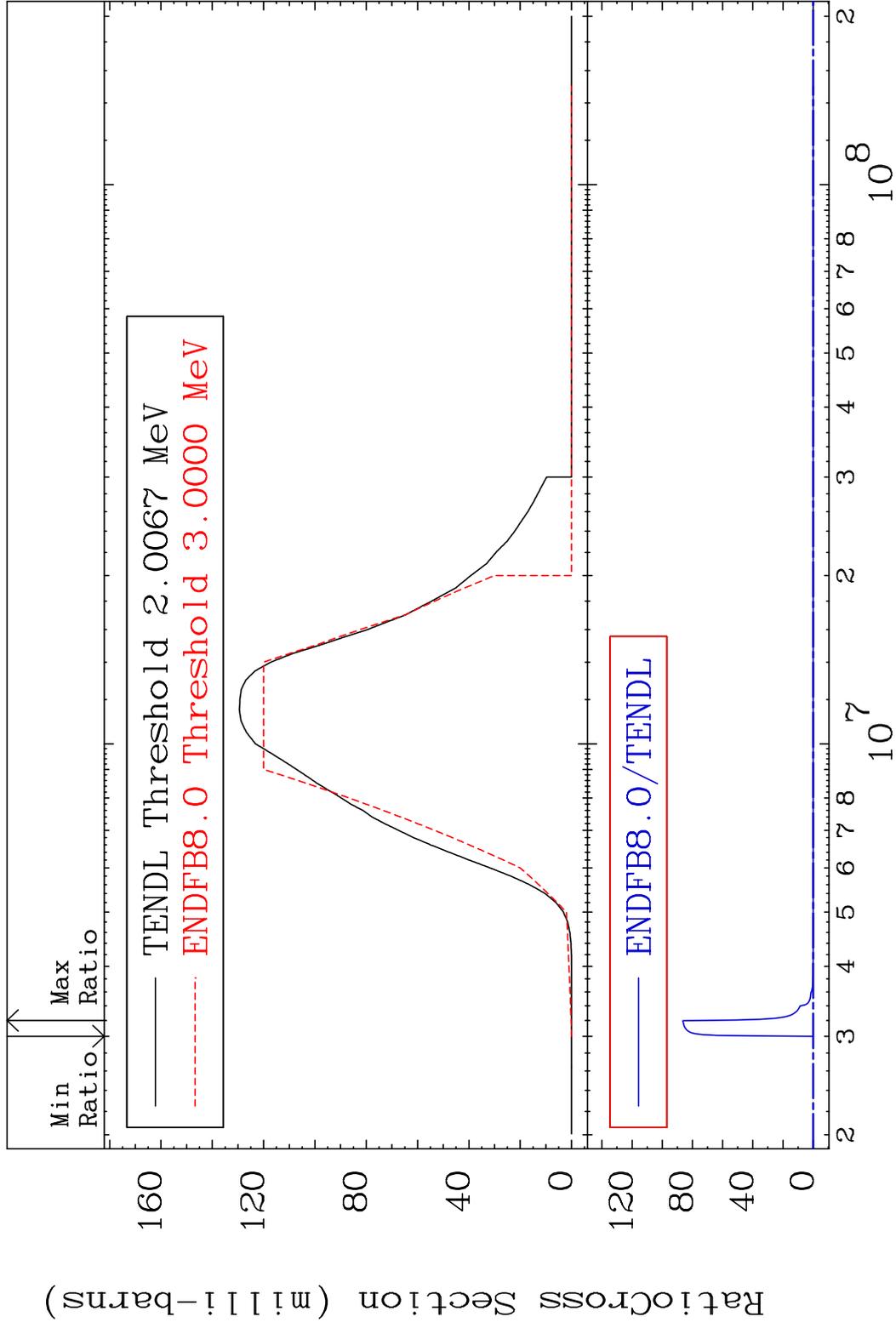


MAT 1525

(n,  $\alpha$ )

15-P -31

Cross Section -100.0 To 9999. %

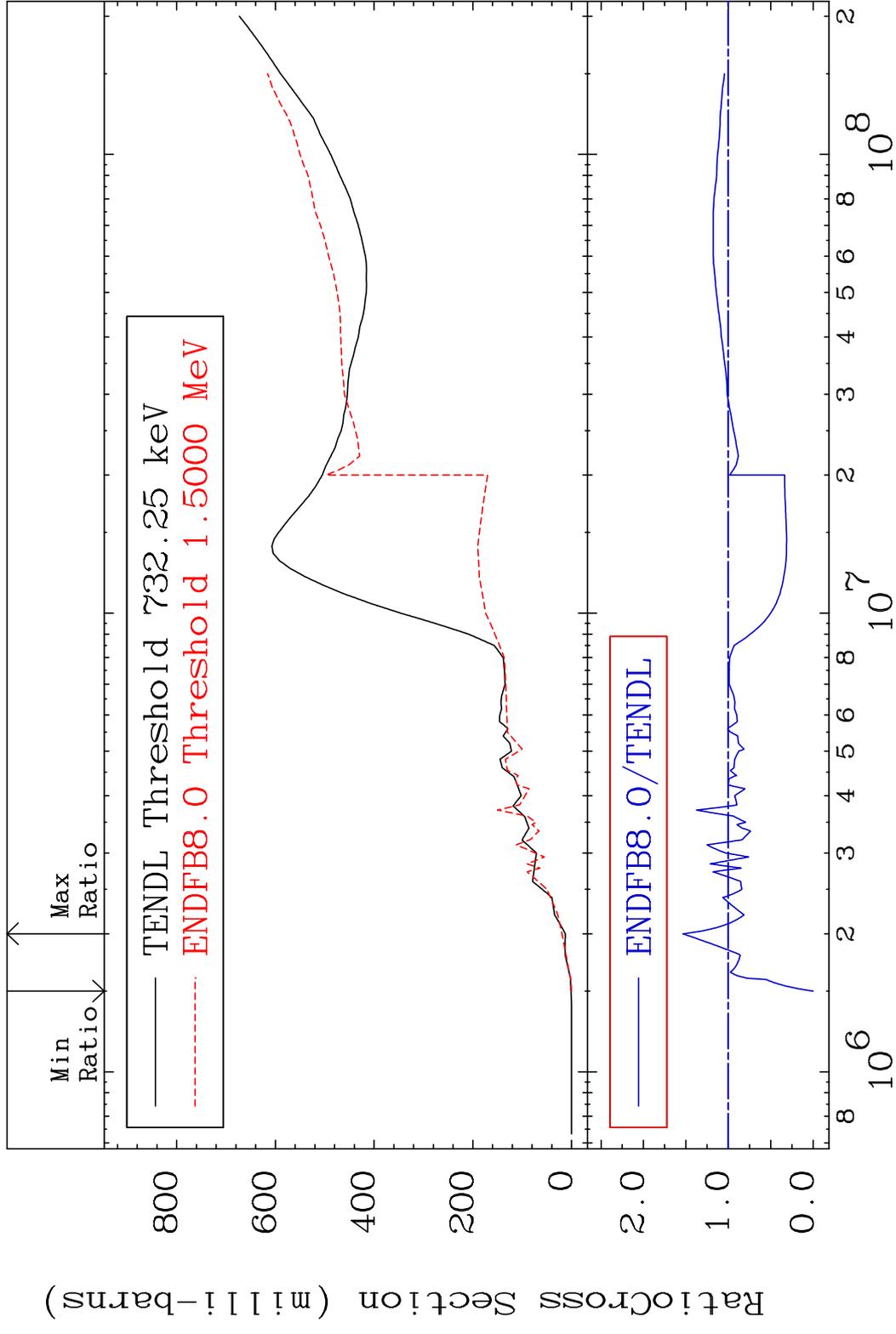


10

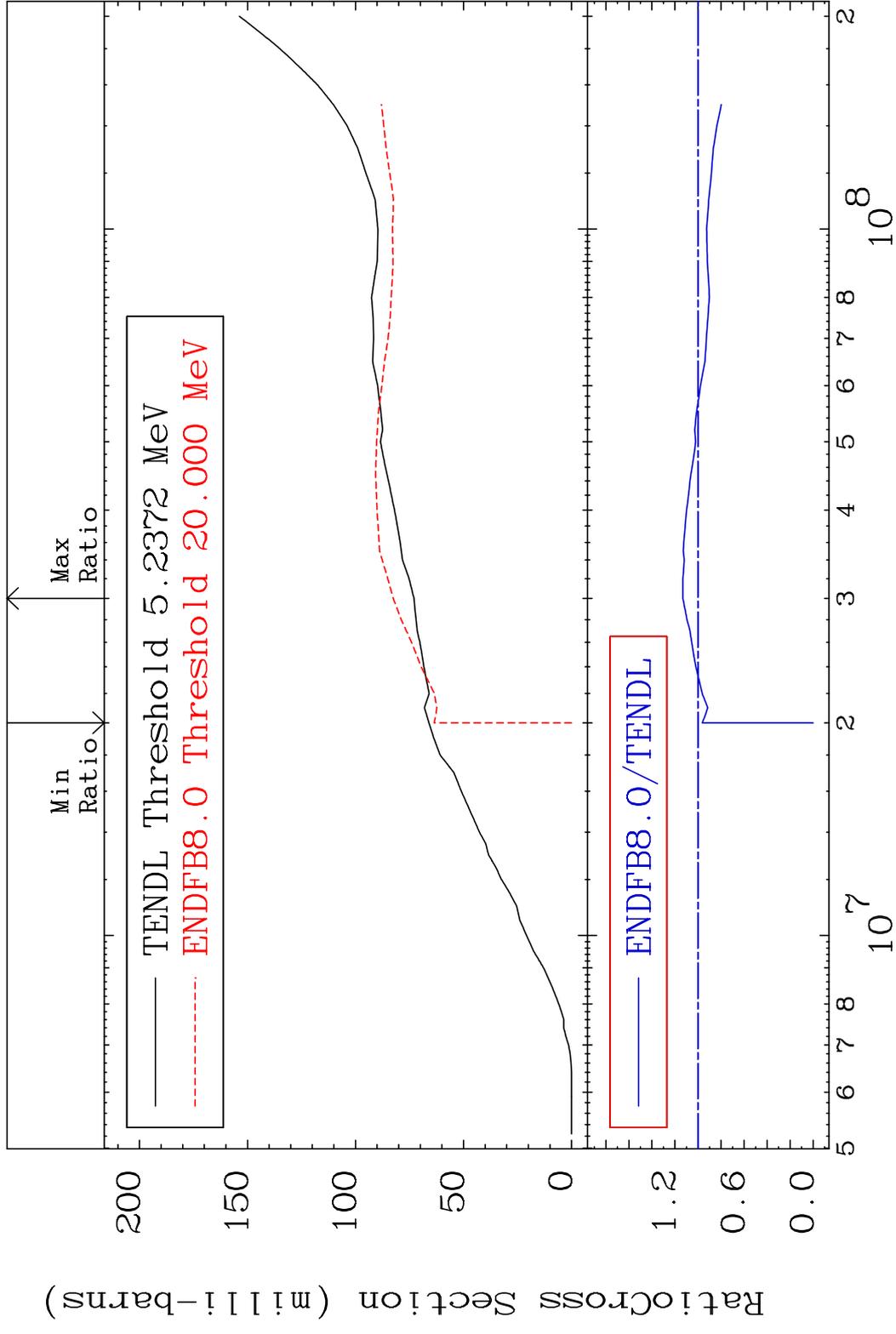
Incident Energy (eV)

15-P -31

MAT 1525 Hydrogen Production 15-P -31  
 Cross Section -100.0 To 53.60 %

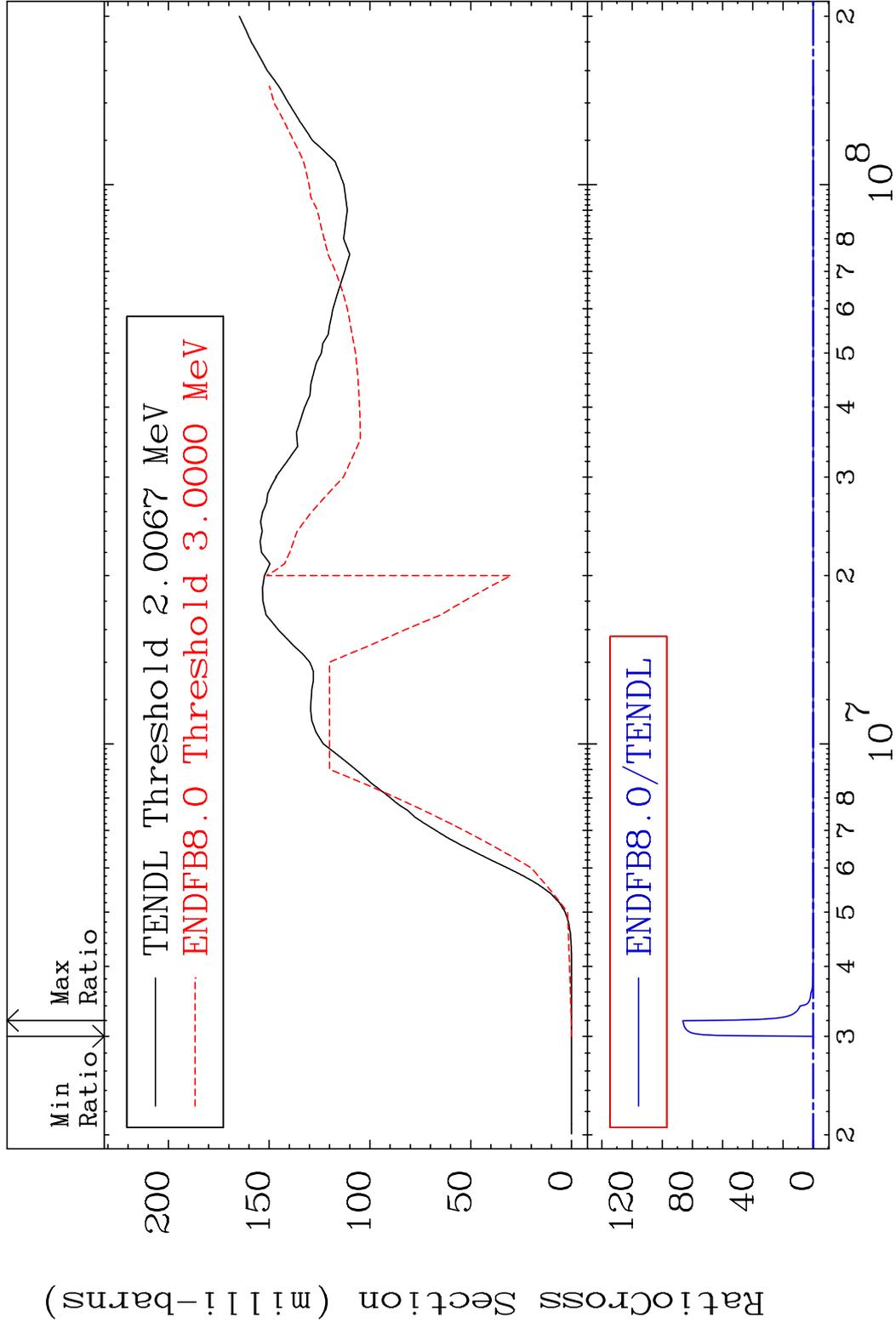


MAT 1525 Deuterium Production 15-P -31  
 Cross Section -100.0 To 13.17 %

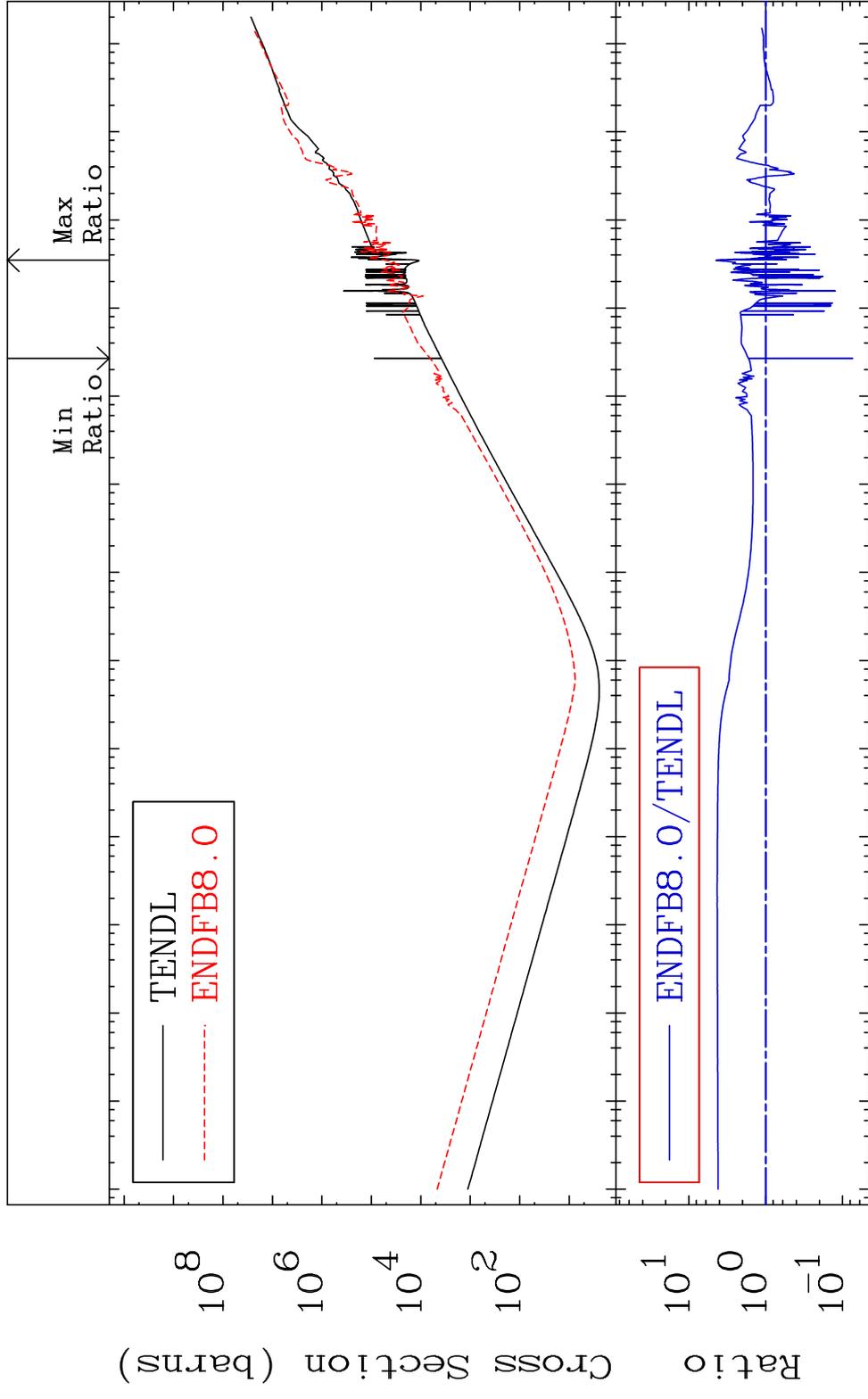


12 15-P -31

Cross Section -100.0 To 9999. %



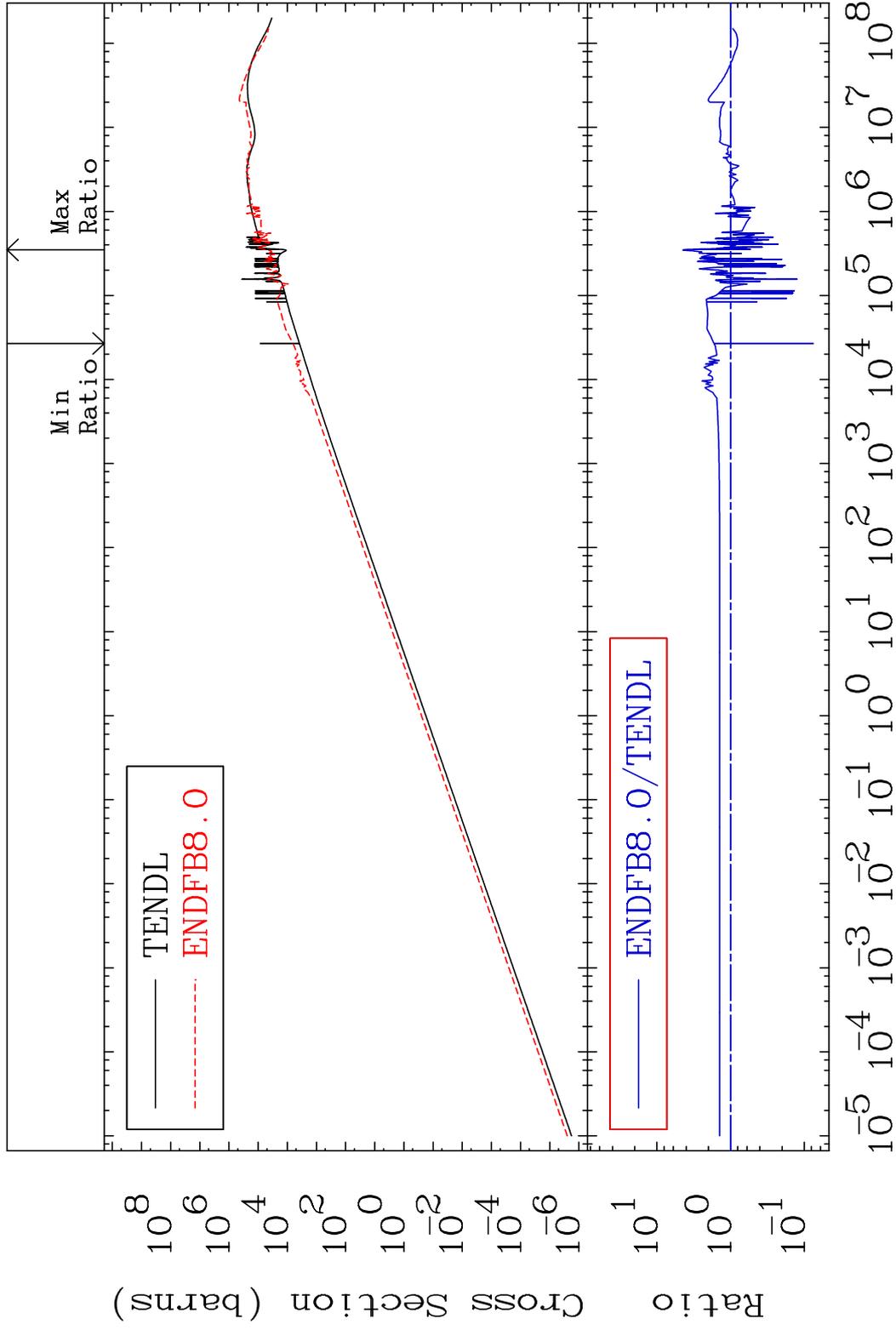
MAT 1525 Kerma total (eV-barns) 15-P -31  
 Cross Section -92.56 To 345.2 %



MAT 1525

Kerma elastic  
Cross Section

15-P -31  
-92.43 To 345.0 %

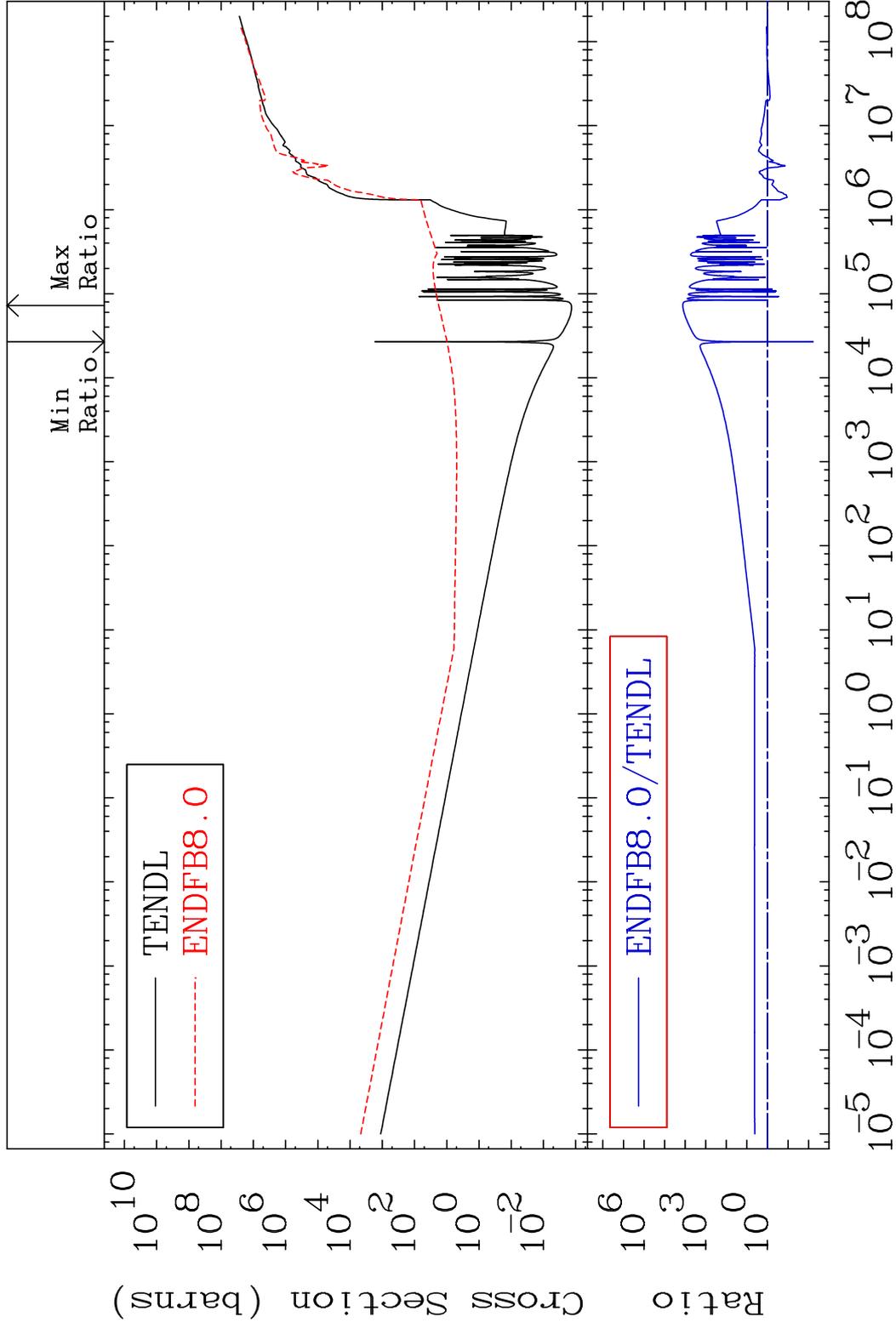


15

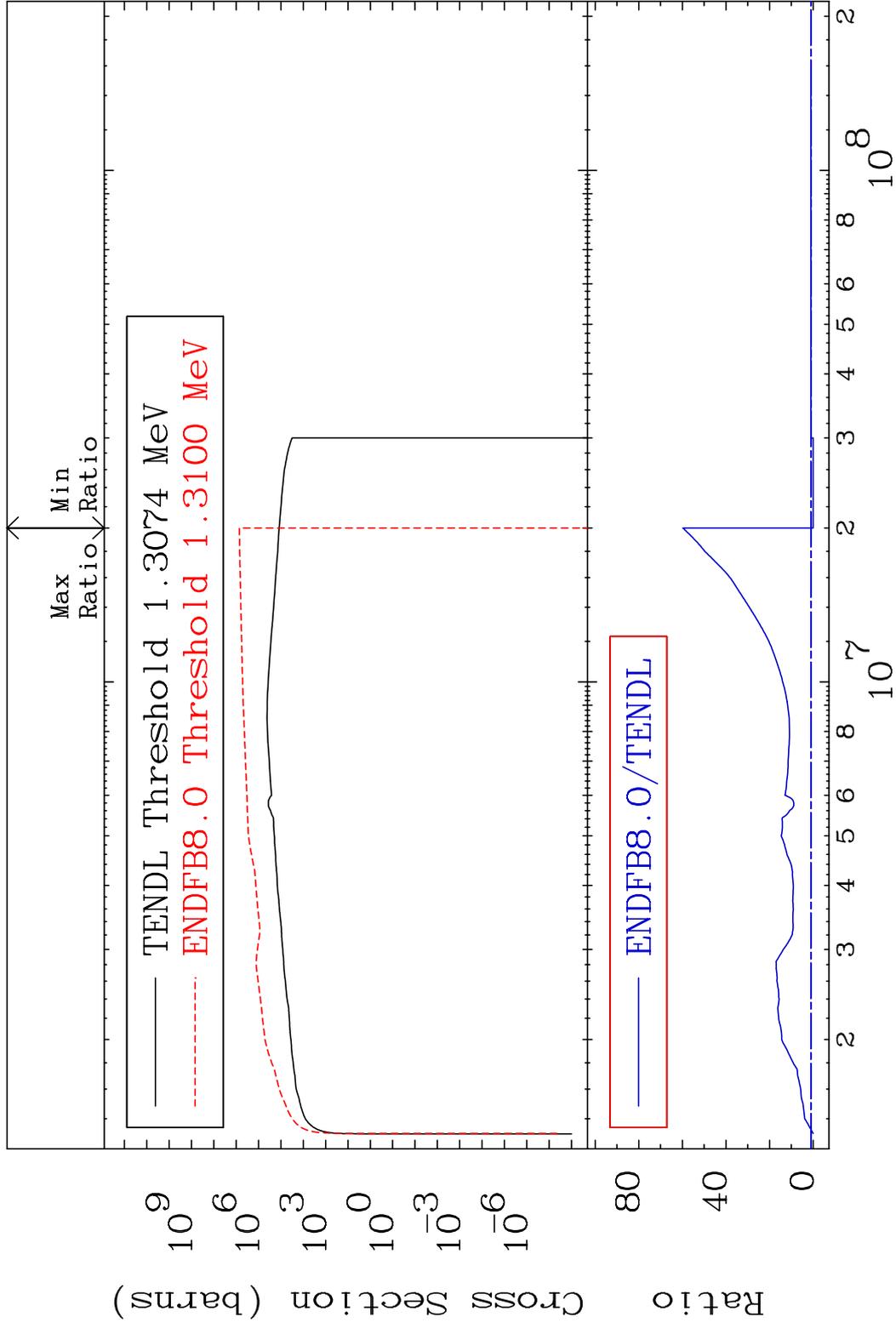
Incident Energy (eV)

15-P -31

MAT 1525 Kerma non-elastic (all but mt2) 15-P -31  
 Cross Section -99.40 To 9999. %

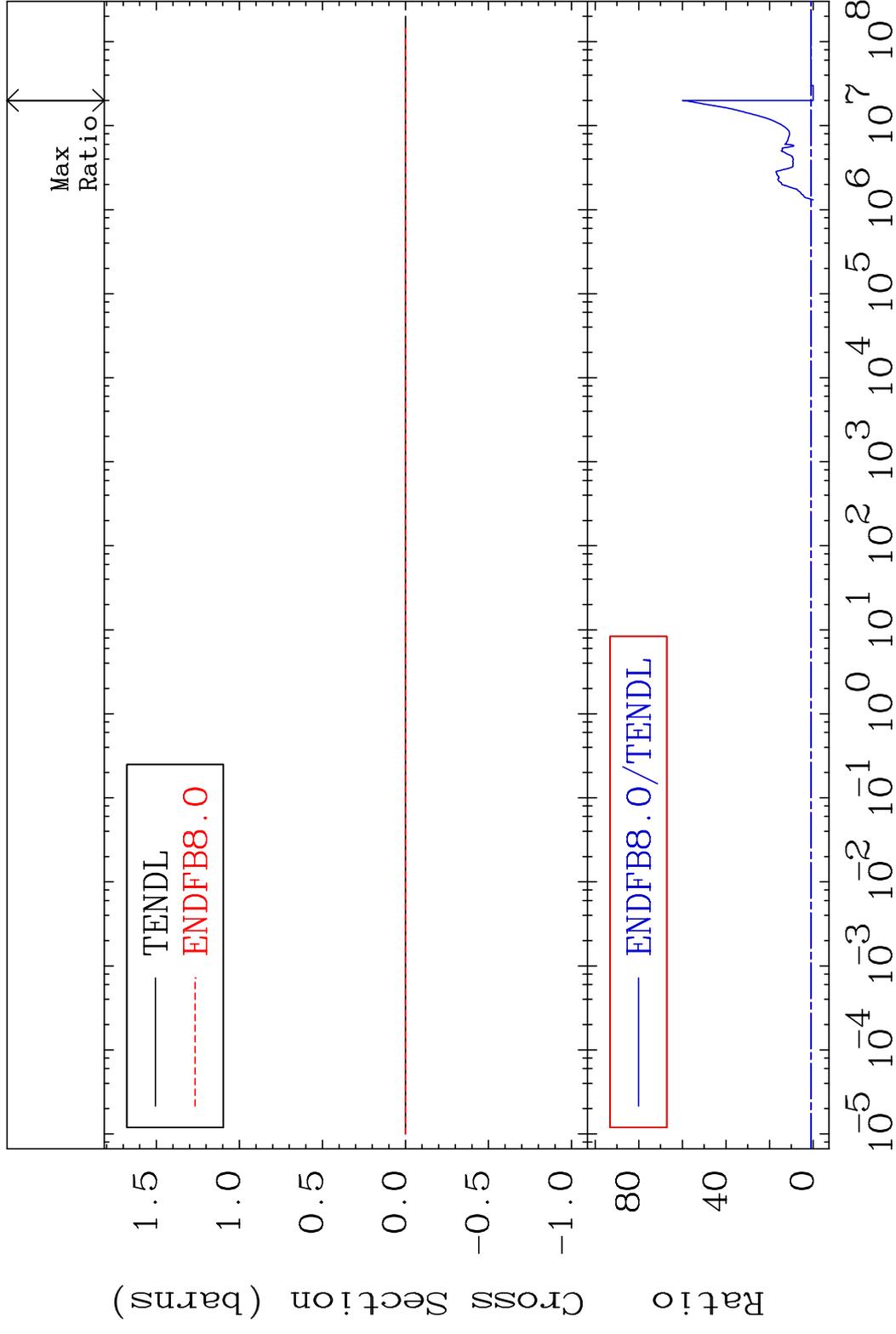


MAT 1525 Kerma inelastic (mt51-91) 15-P -31  
 Cross Section -100.0 To 5880. %

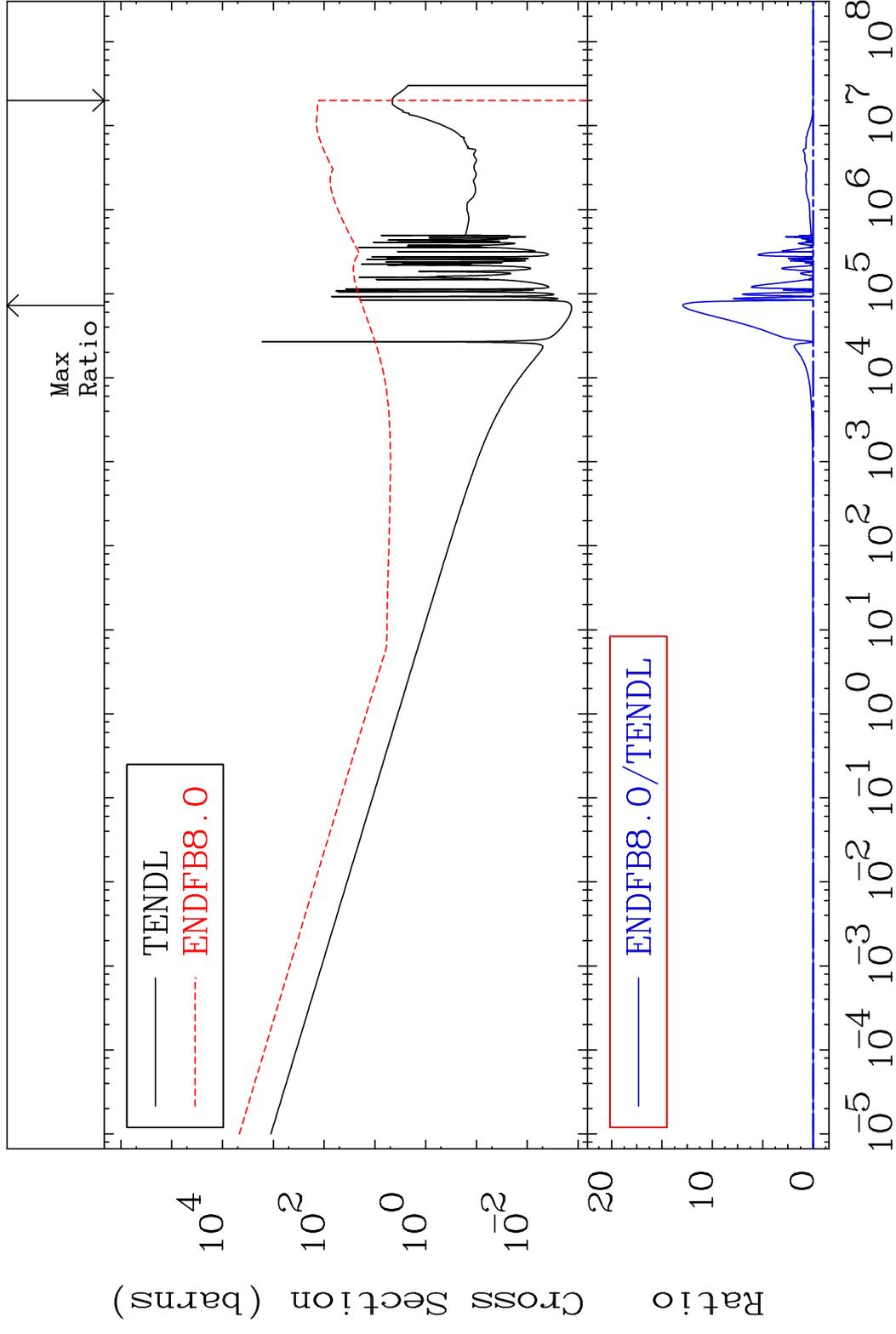


17 Incident Energy (eV) 15-P -31

MAT 1525 Kerma fission (mt18 or mt19-20-21-38) 15-P -31  
 Cross Section -100.0 To 5880. %

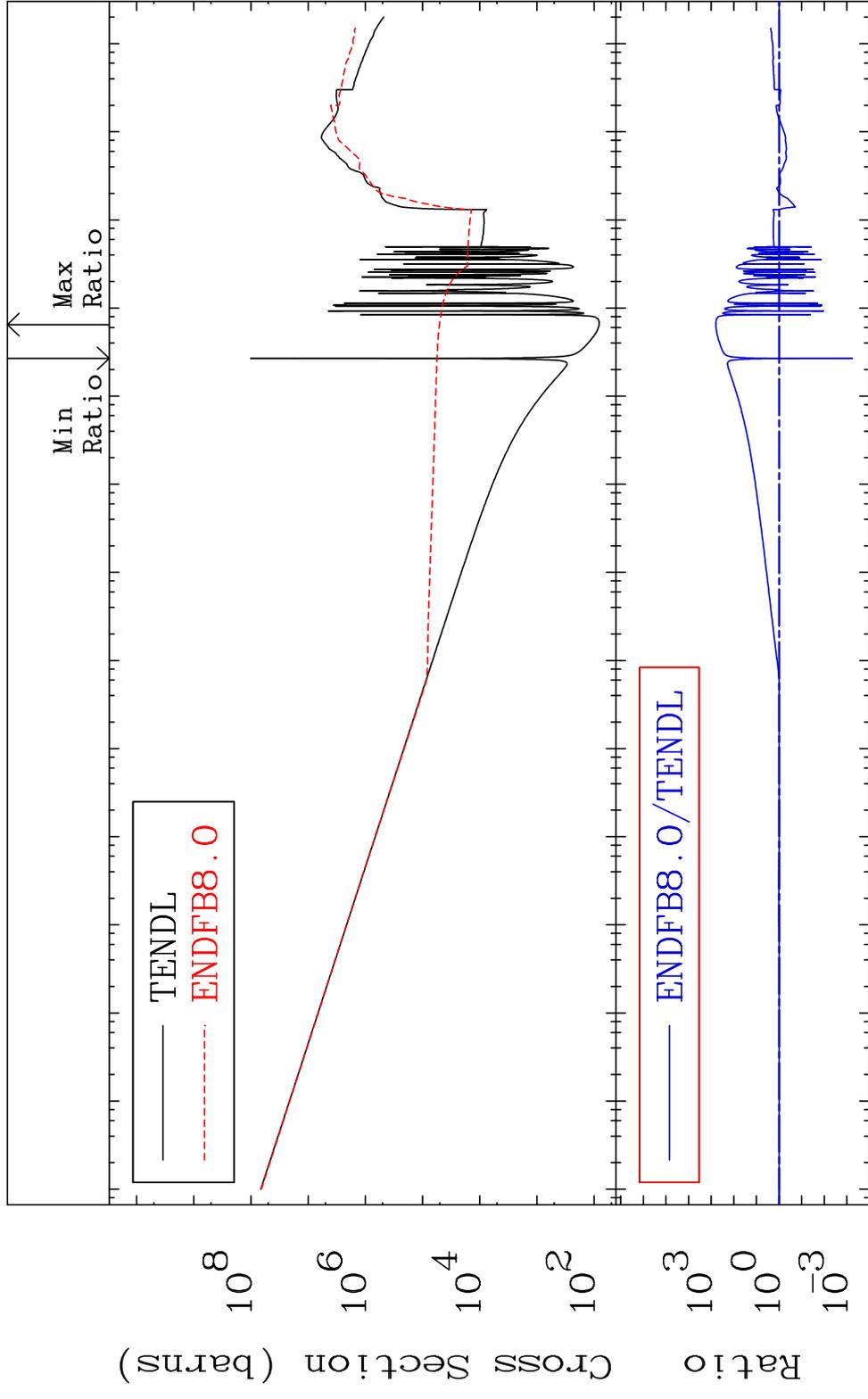


MAT 1525 Kerma capture (mt102) 15-P -31  
 Cross Section -100.0 To 9999. %



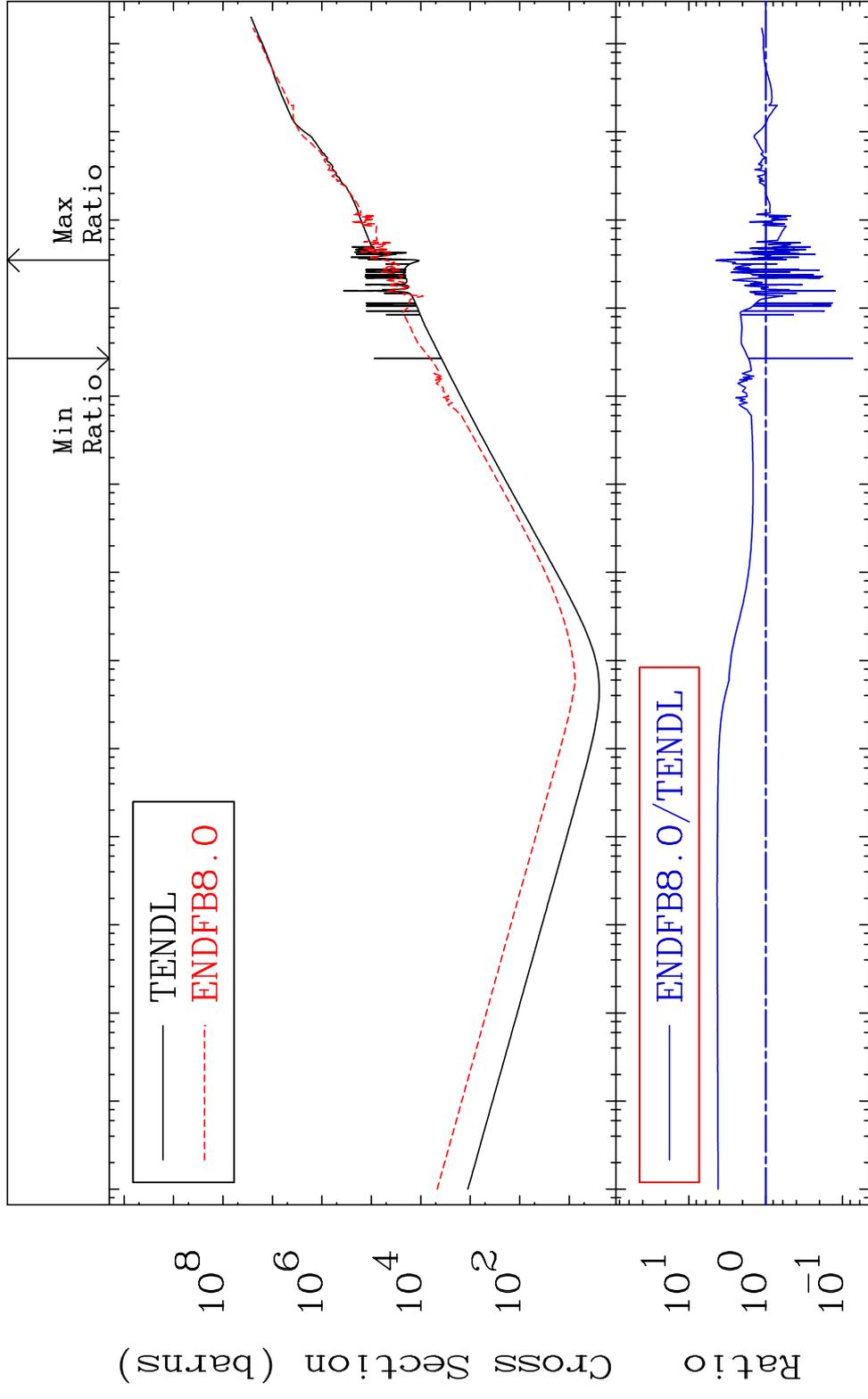
19 Incident Energy (eV) 15-P -31

MAT 1525 Total photon (eV-barns) 15-P -31  
 Cross Section -99.94 To 9999. %

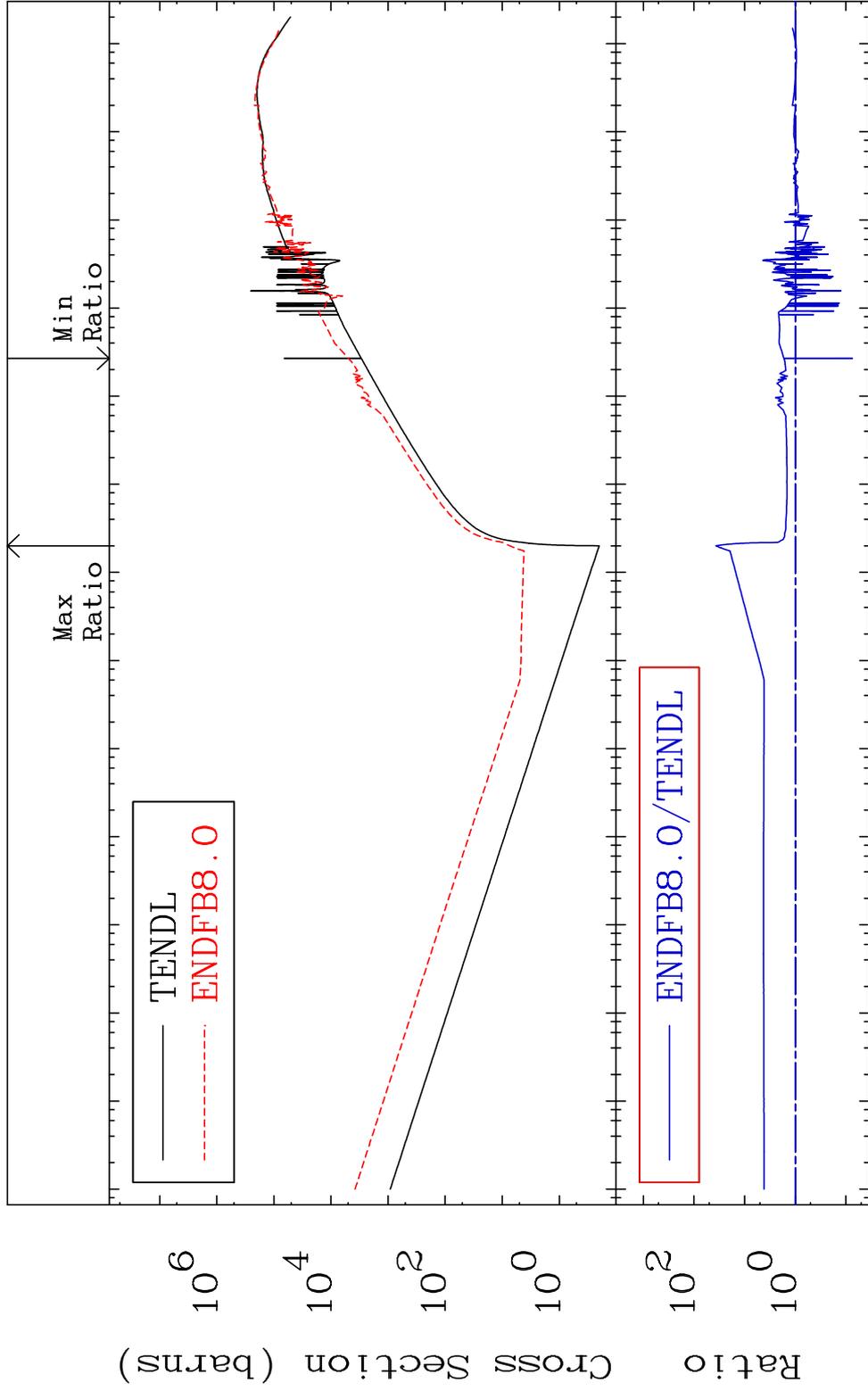


20 Incident Energy (eV) 15-P -31

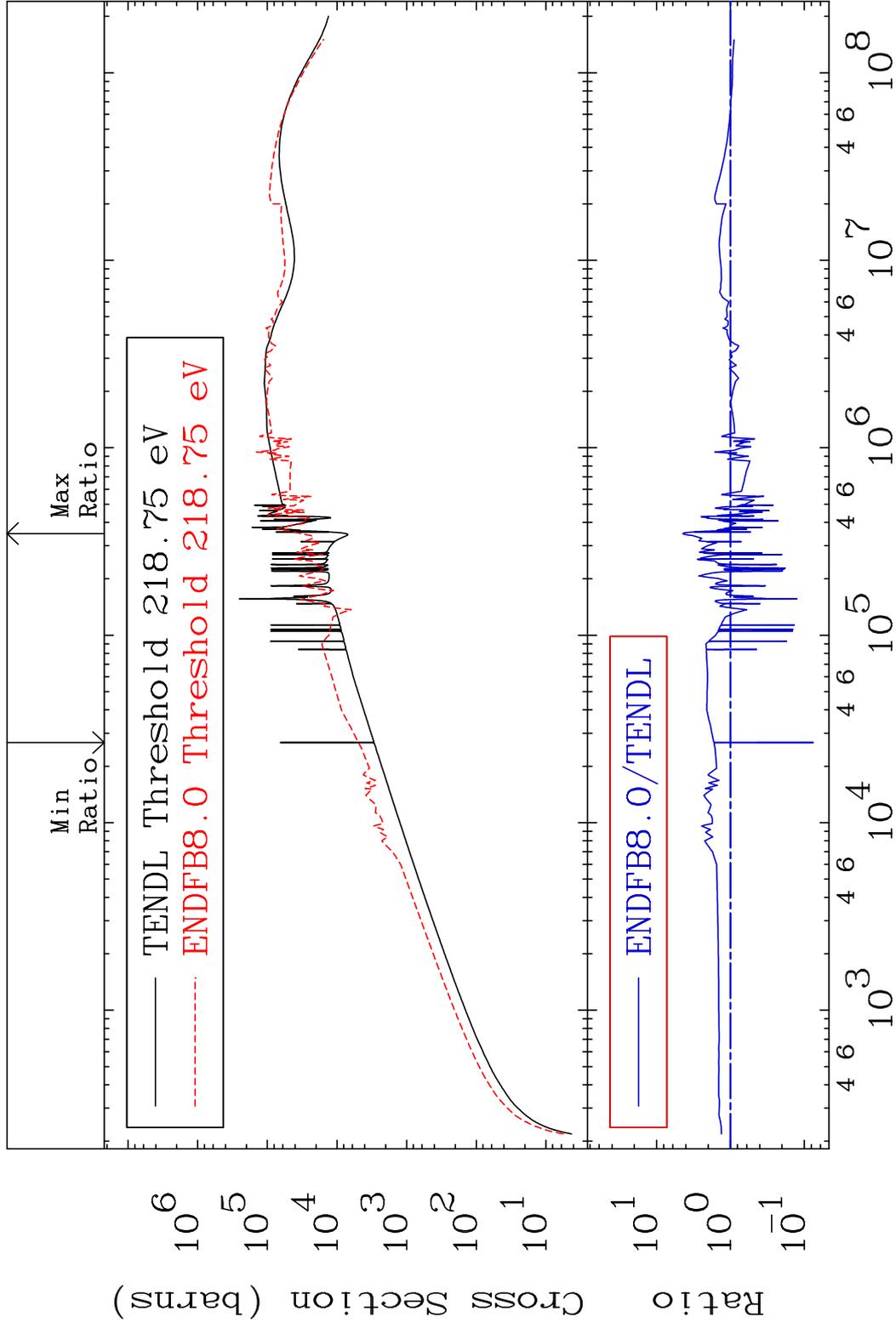
MAT 1525 Total kinematic kerma (high limit) 15-P -31  
 Cross Section -92.56 To 345.2 %



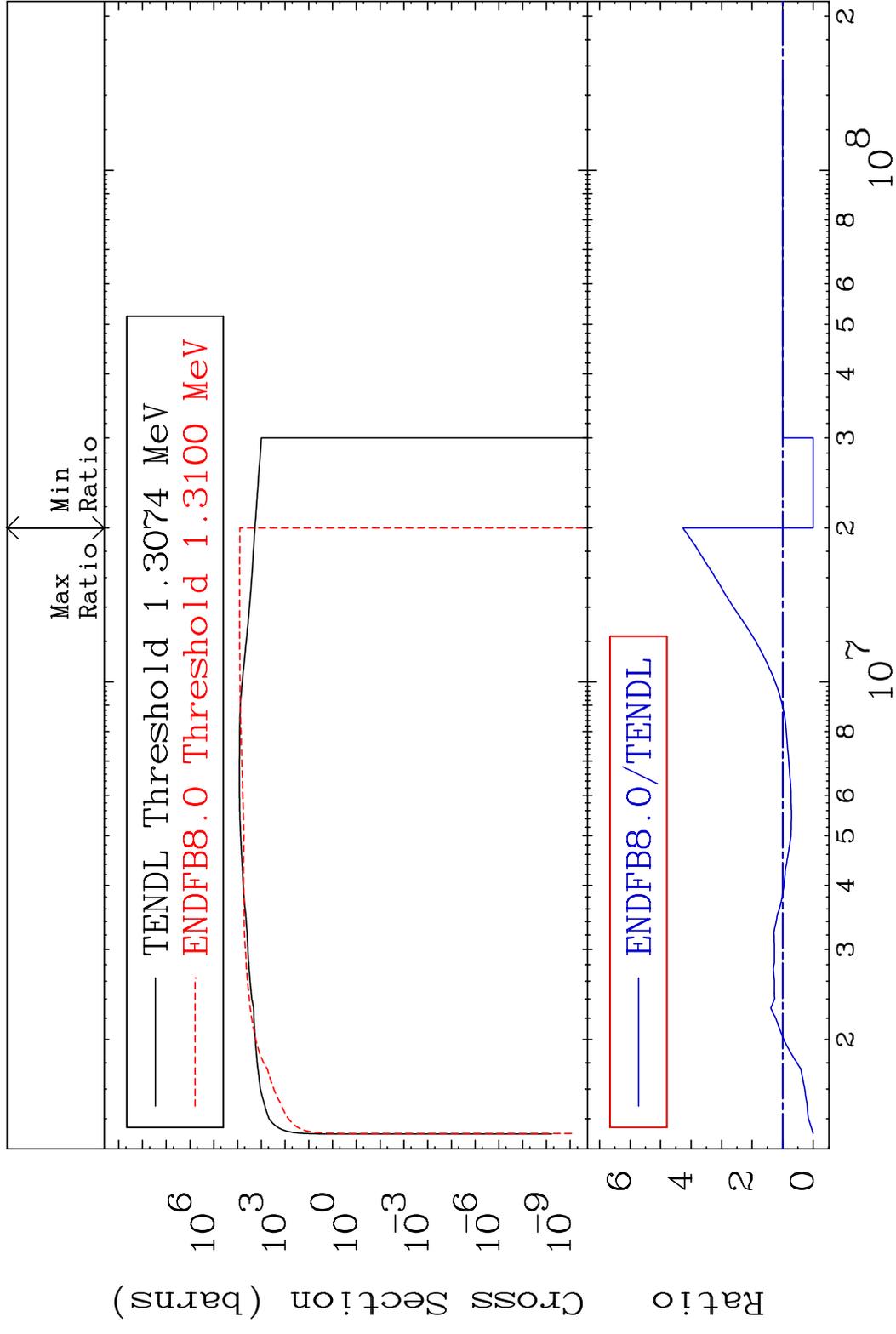
MAT 1525 Dpa total (eV-barns) 15-P -31  
 Cross Section -92.59 To 3594. %



MAT 1525 Dpa elastic (mt2) 15-P -31  
 Cross Section -92.44 To 340.6 %



MAT 1525      Dpa inelastic (mt51-91)      15-P -31  
 Cross Section      -100.0 To 327.1 %



MAT 1525 Dpa disappearance (mt102 -120) 15-P -31  
 Cross Section -100.0 To 9999. %

