

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

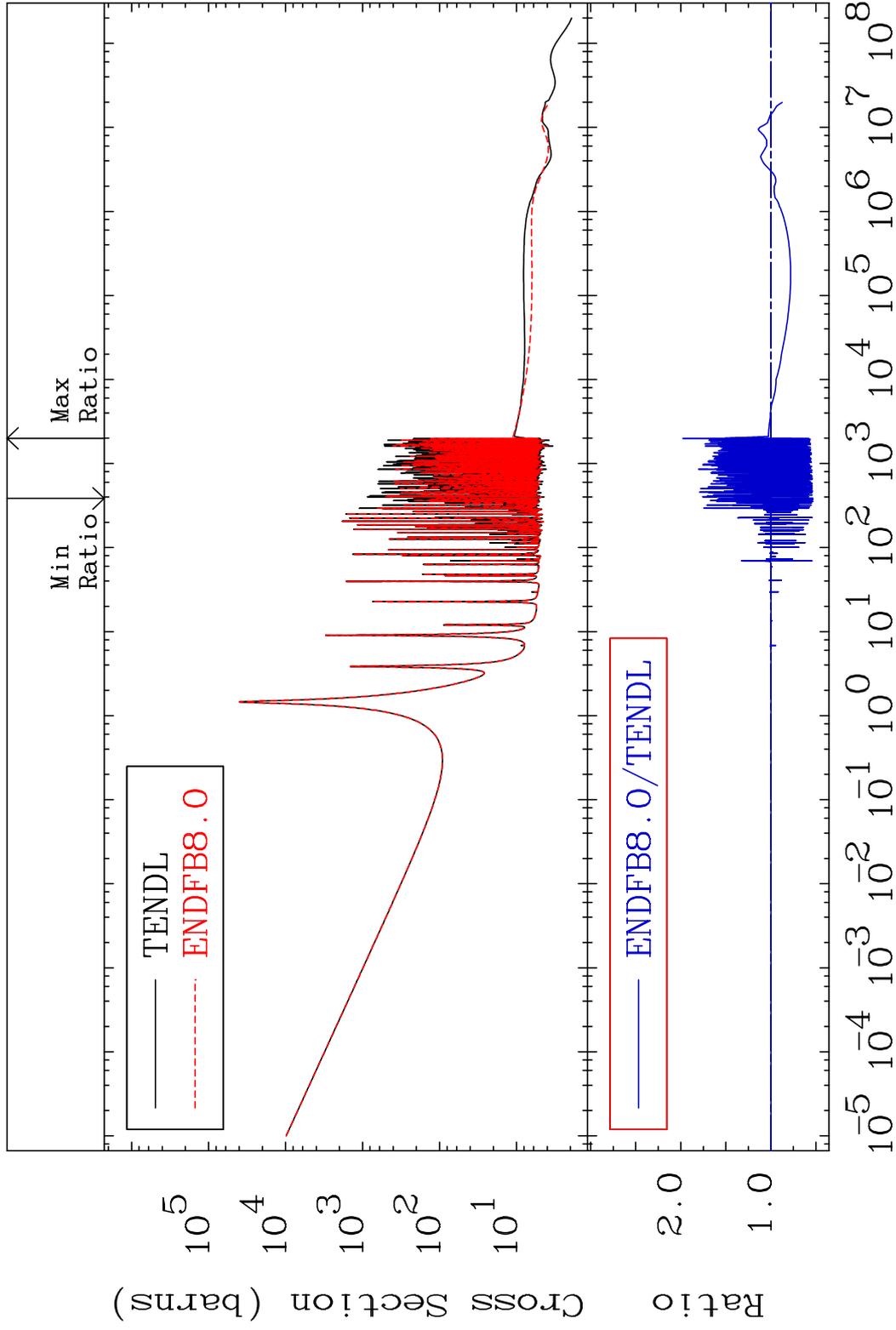
Press Mouse Button to Start

MAT 4931

Total

49-In-115

Cross Section -46.85 To 97.70 %



1

Incident Energy (eV)

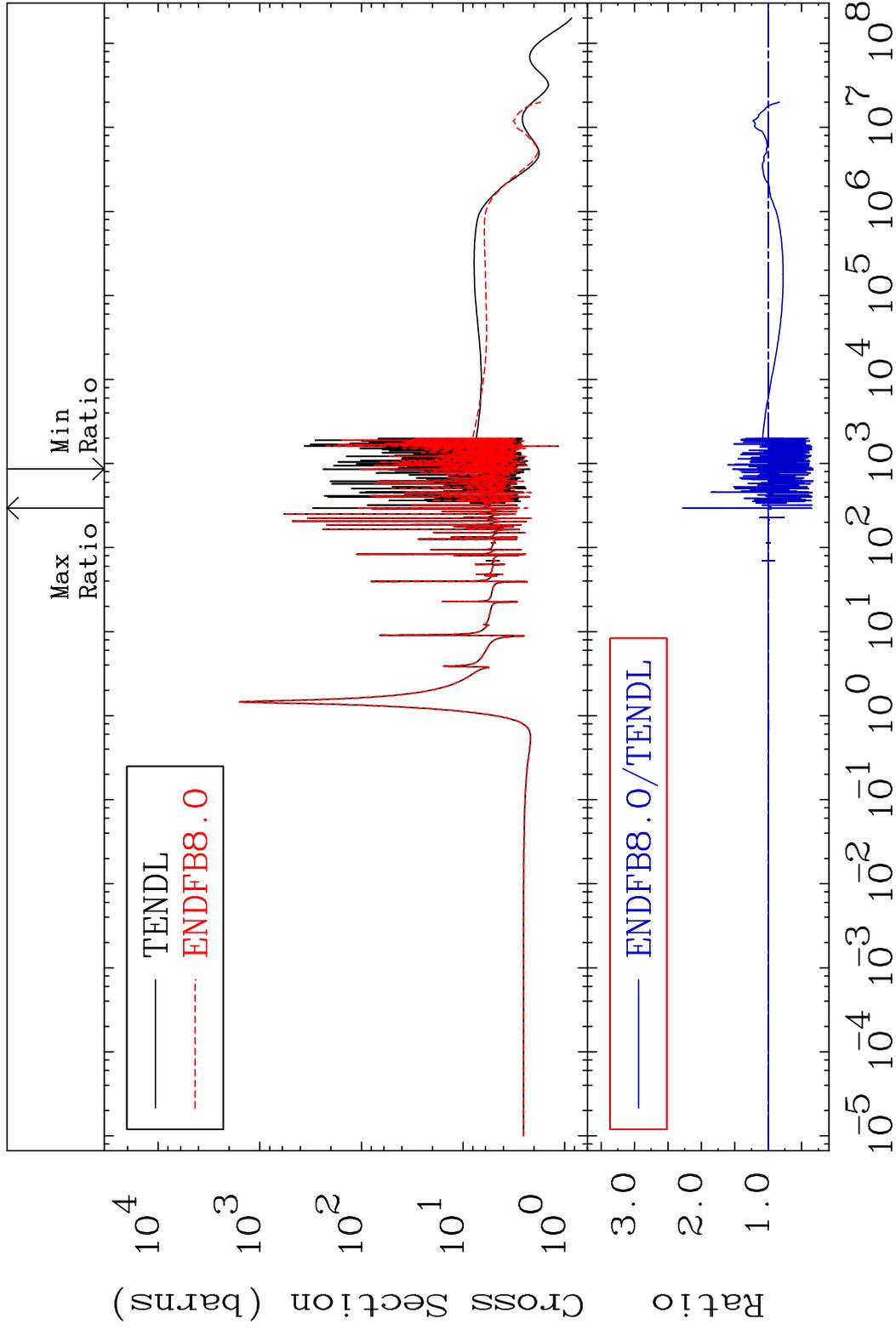
49-In-115

MAT 4931

Elastic

49-In-115

Cross Section -67.23 To 127.7 %

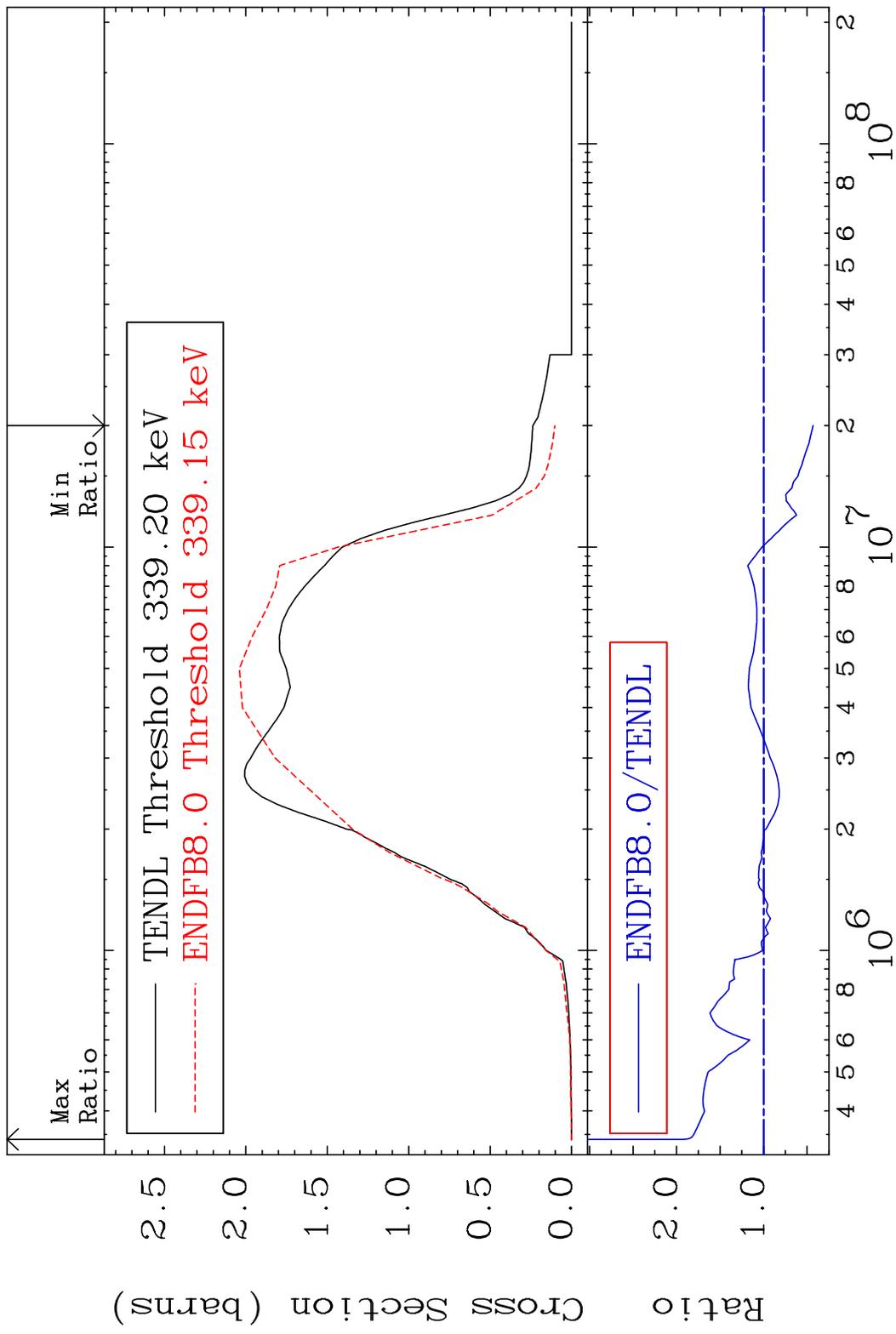


2

Incident Energy (eV)

49-In-115

MAT 4931 Inelastic Cross Section -56.98 To 92.77 % 49-In-115

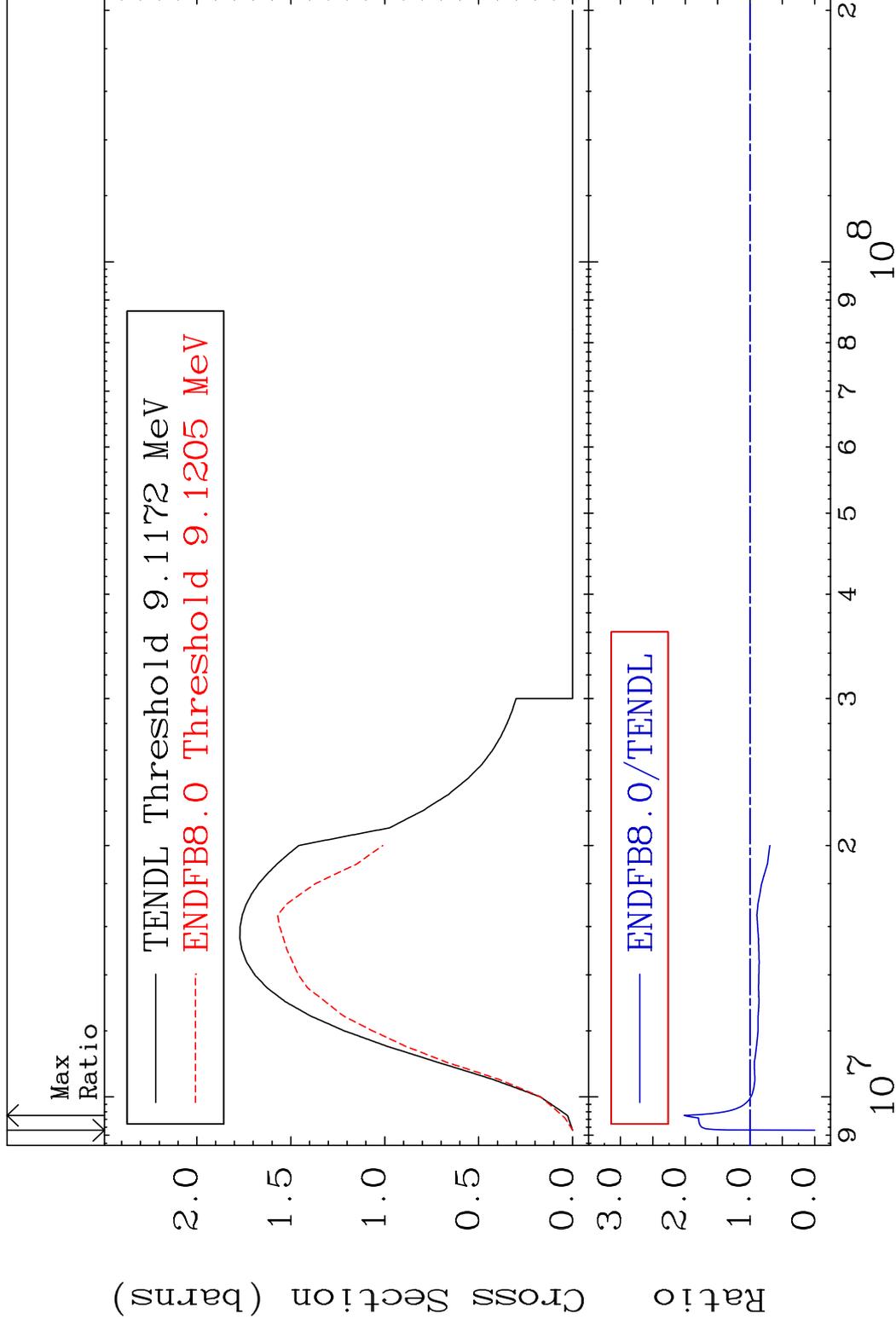


MAT 4931

(n,2n)

49-In-115

Cross Section -100.0 To 101.7 %



4

Incident Energy (eV)

49-In-115

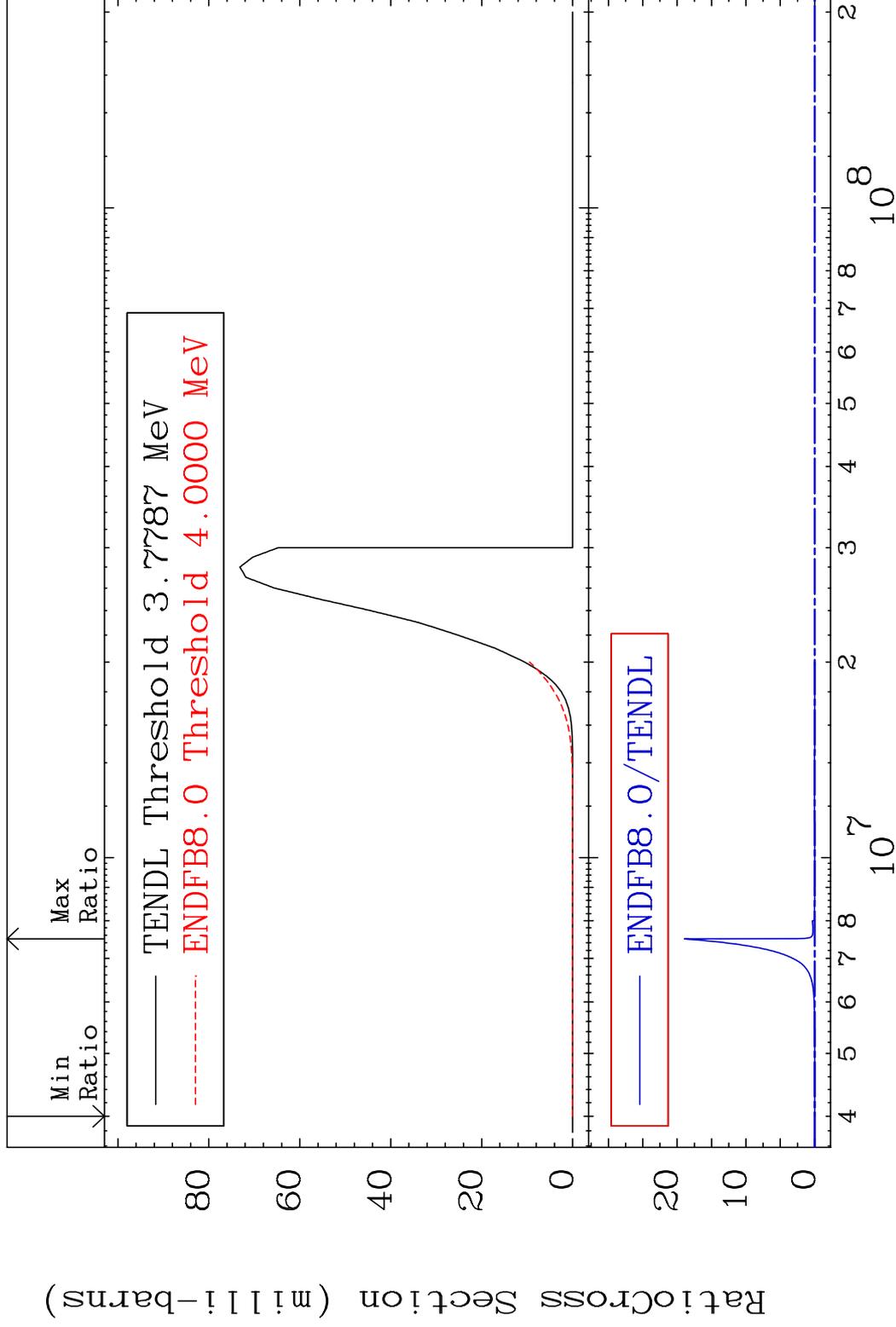


MAT 4931

(n, n')  $\alpha$

49-In-115

Cross Section -100.0 To 9999. %



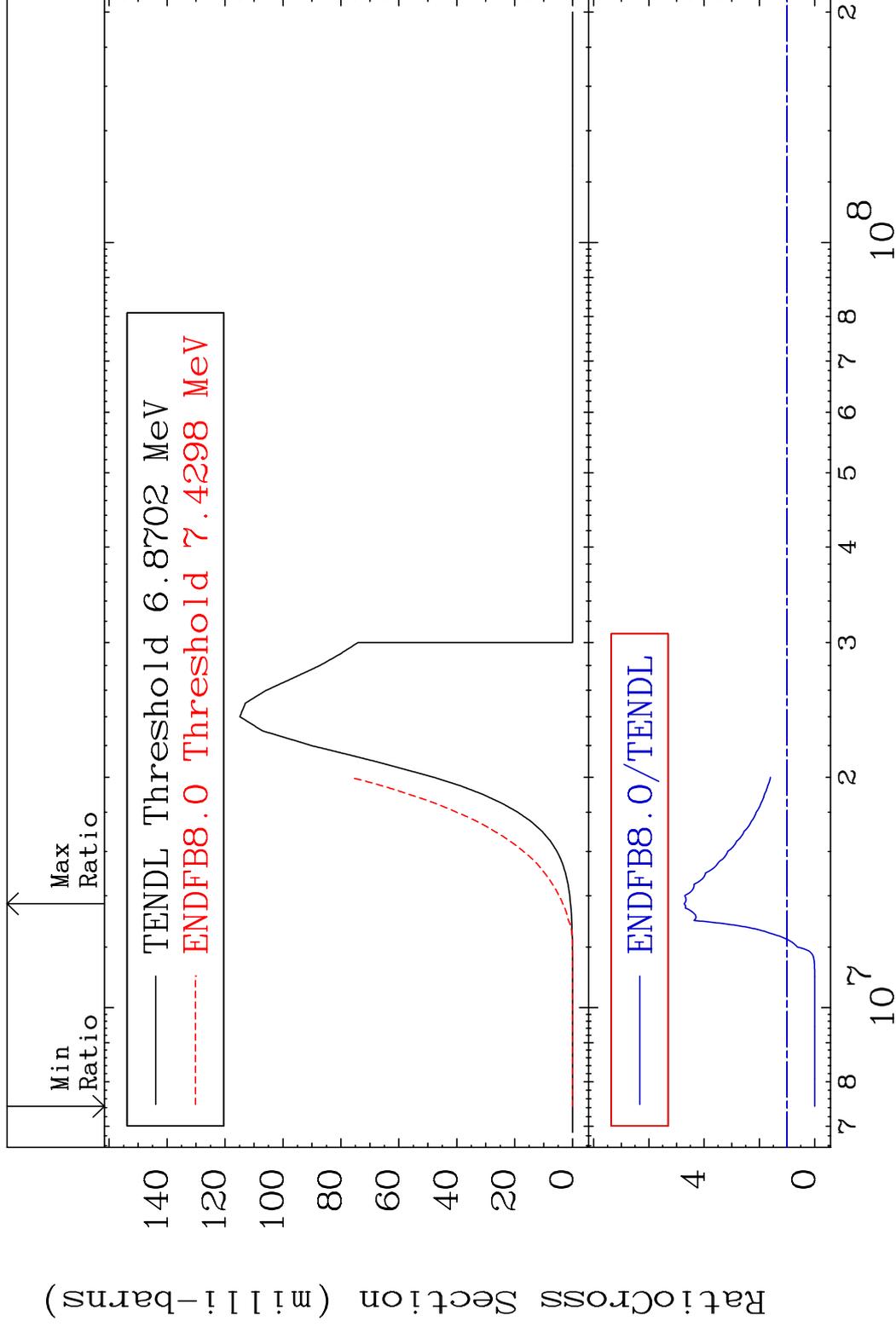
6

Incident Energy (eV)

49-In-115

MAT 4931

(n, n') p 49-In-115  
Cross Section -100.0 To 372.5 %



7

Incident Energy (eV)

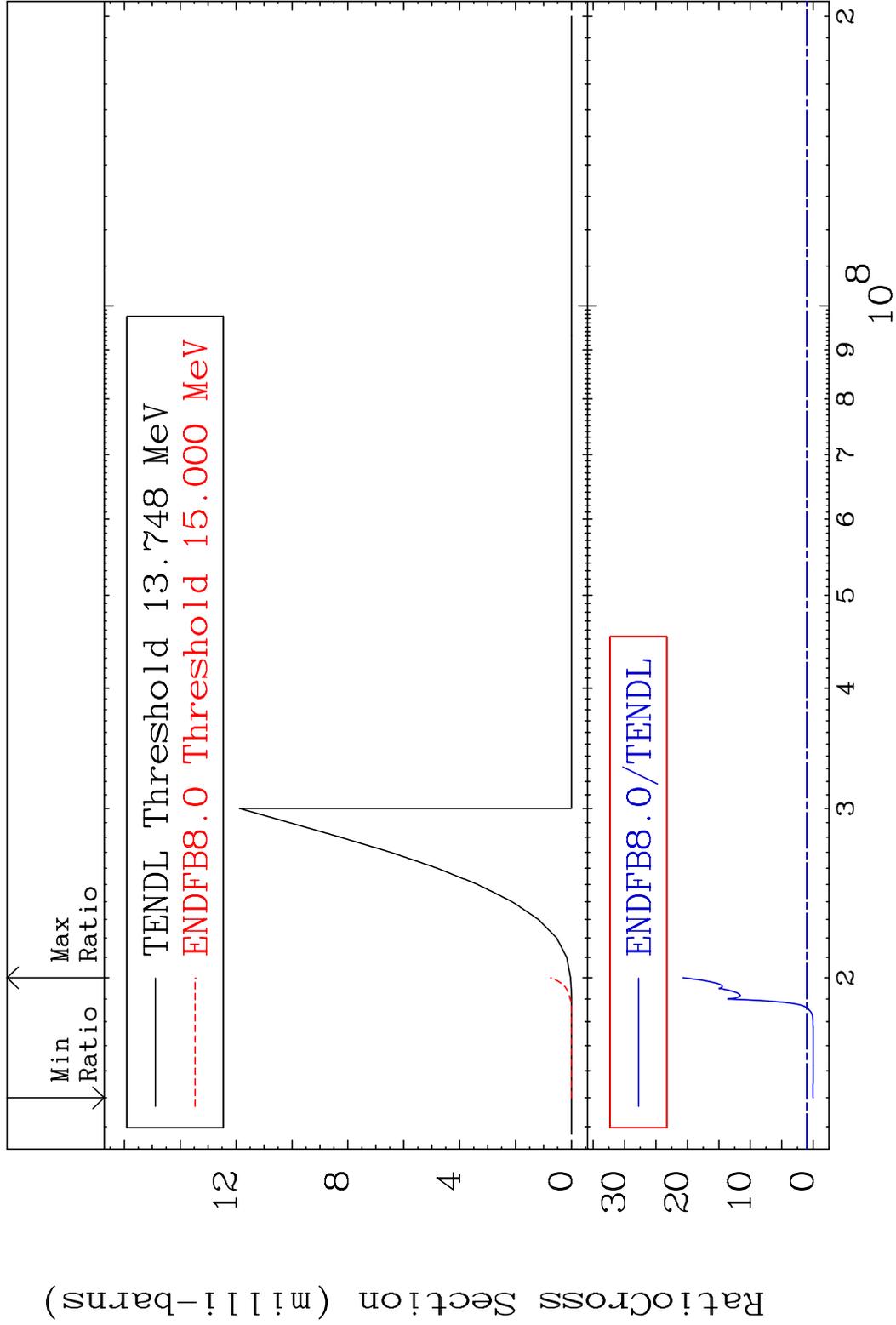
49-In-115

MAT 4931

(n, n') d

49-In-115

Cross Section -100.0 To 1973. %



8

Incident Energy (eV)

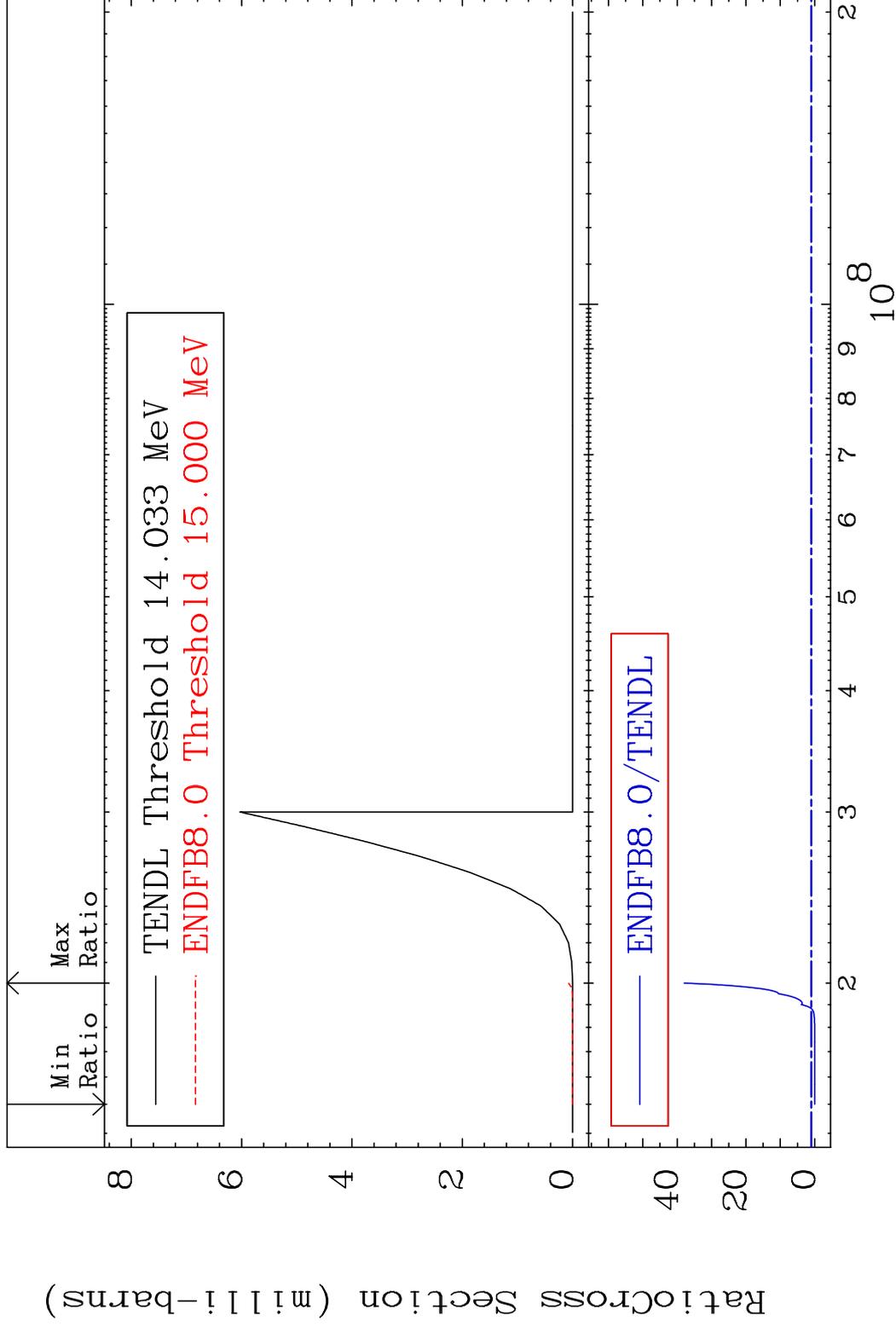
49-In-115

MAT 4931

(n, n') t

49-In-115

Cross Section -100.0 To 3698. %



9

Incident Energy (eV)

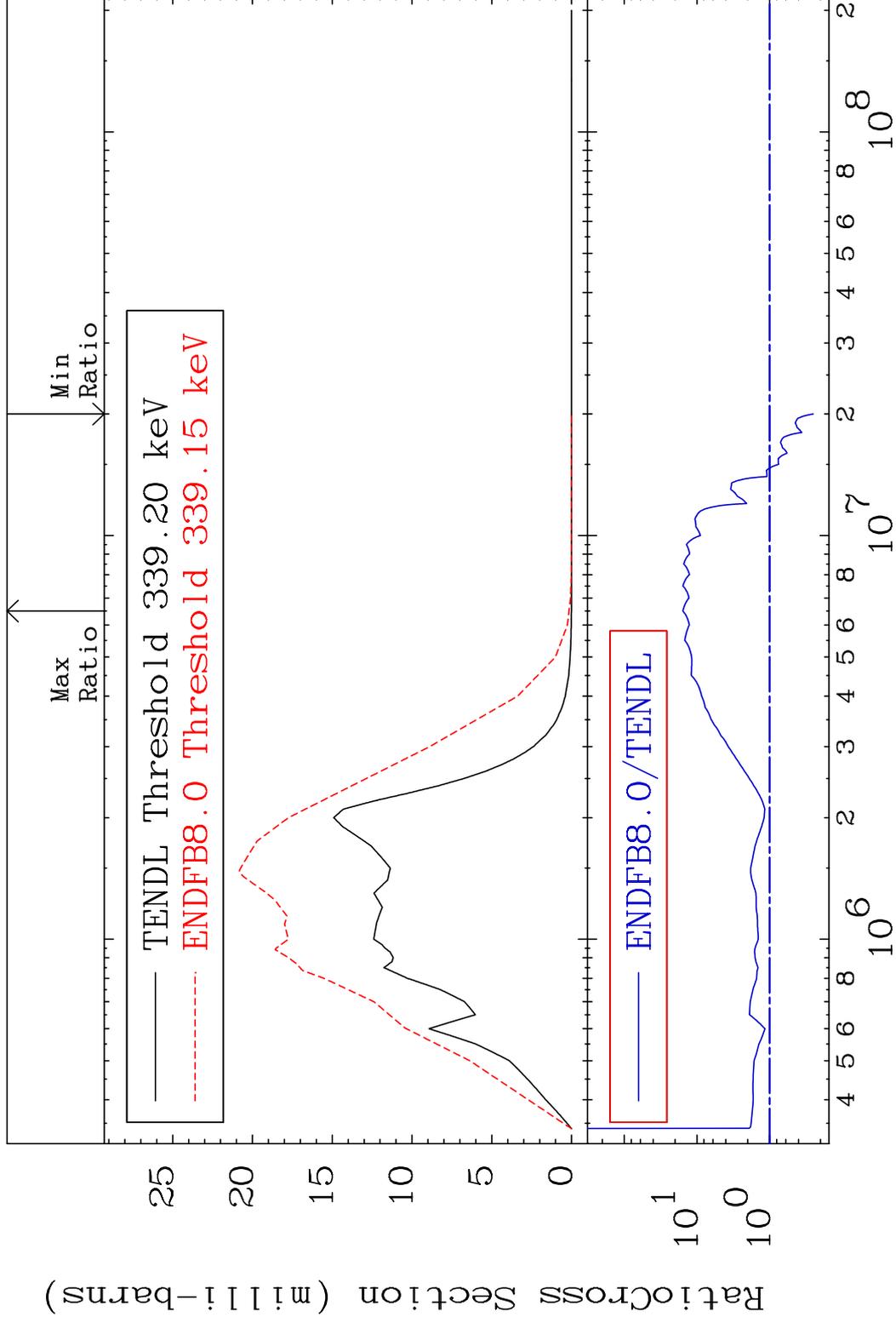
49-In-115

MAT 4931

MT= 51 (n, n') Level

49-In-115

Cross Section -74.77 To 1461. %



10

Incident Energy (eV)

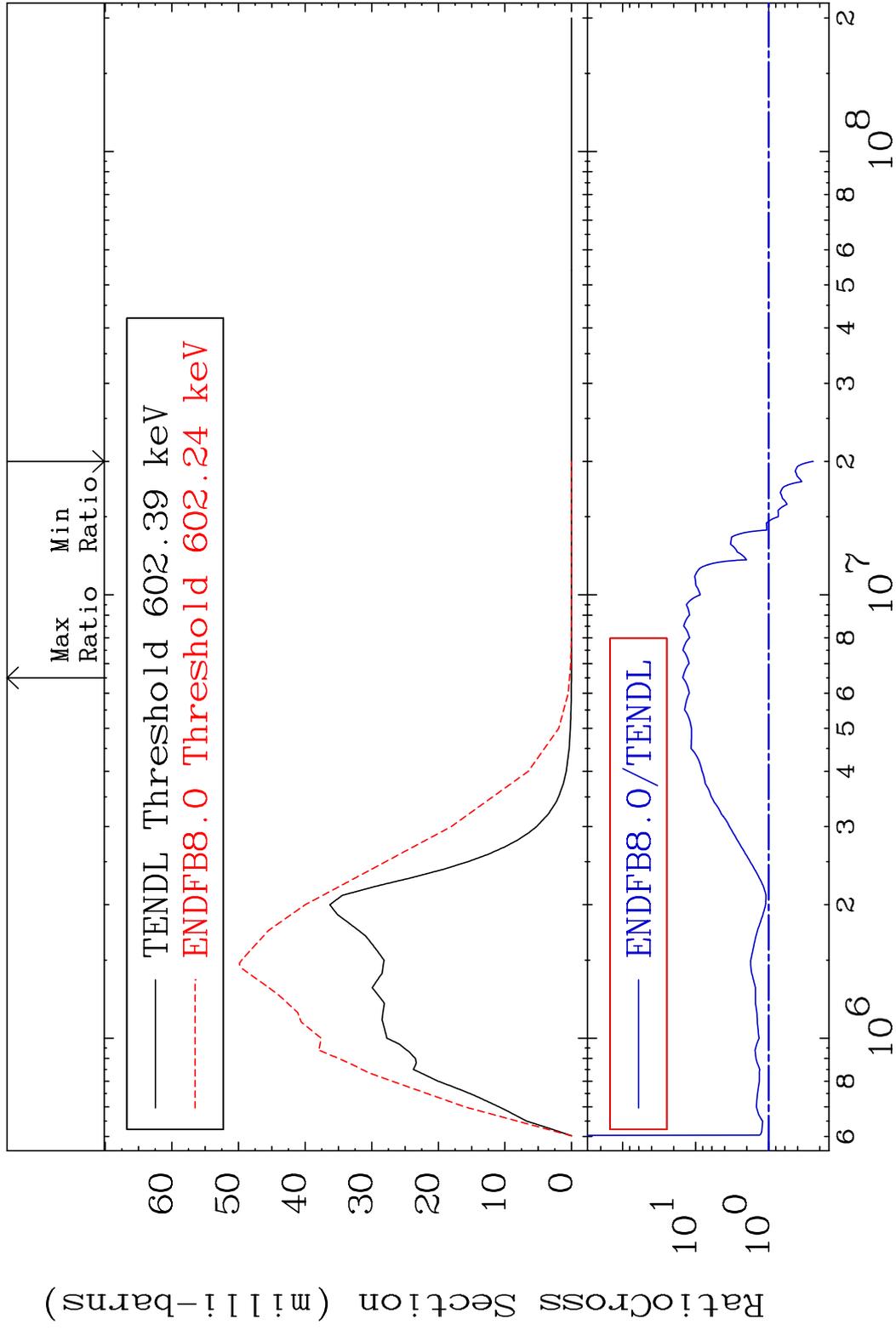
49-In-115

MAT 4931

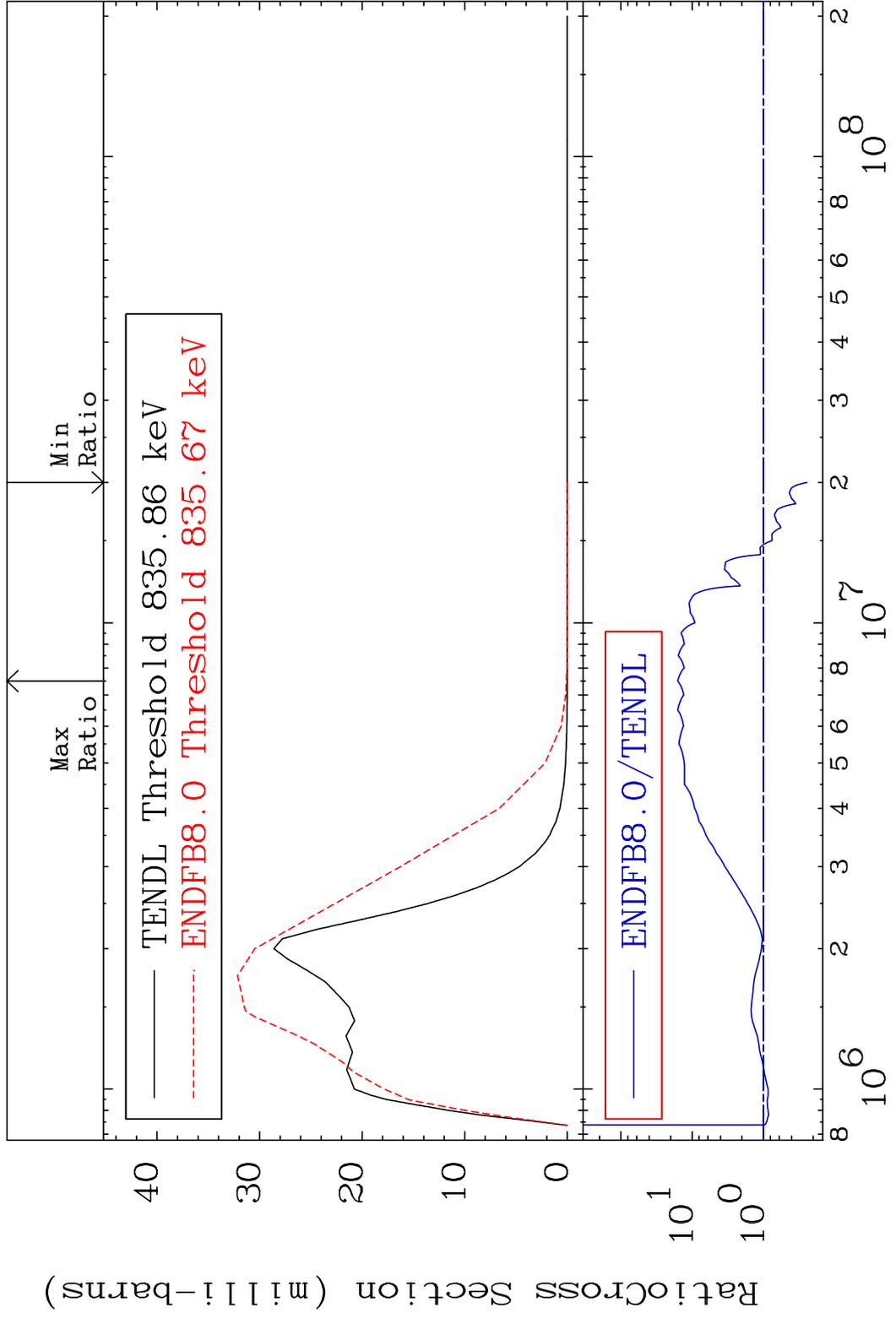
MT= 52 (n, n') Level

49-In-115

Cross Section -75.40 To 1397. %

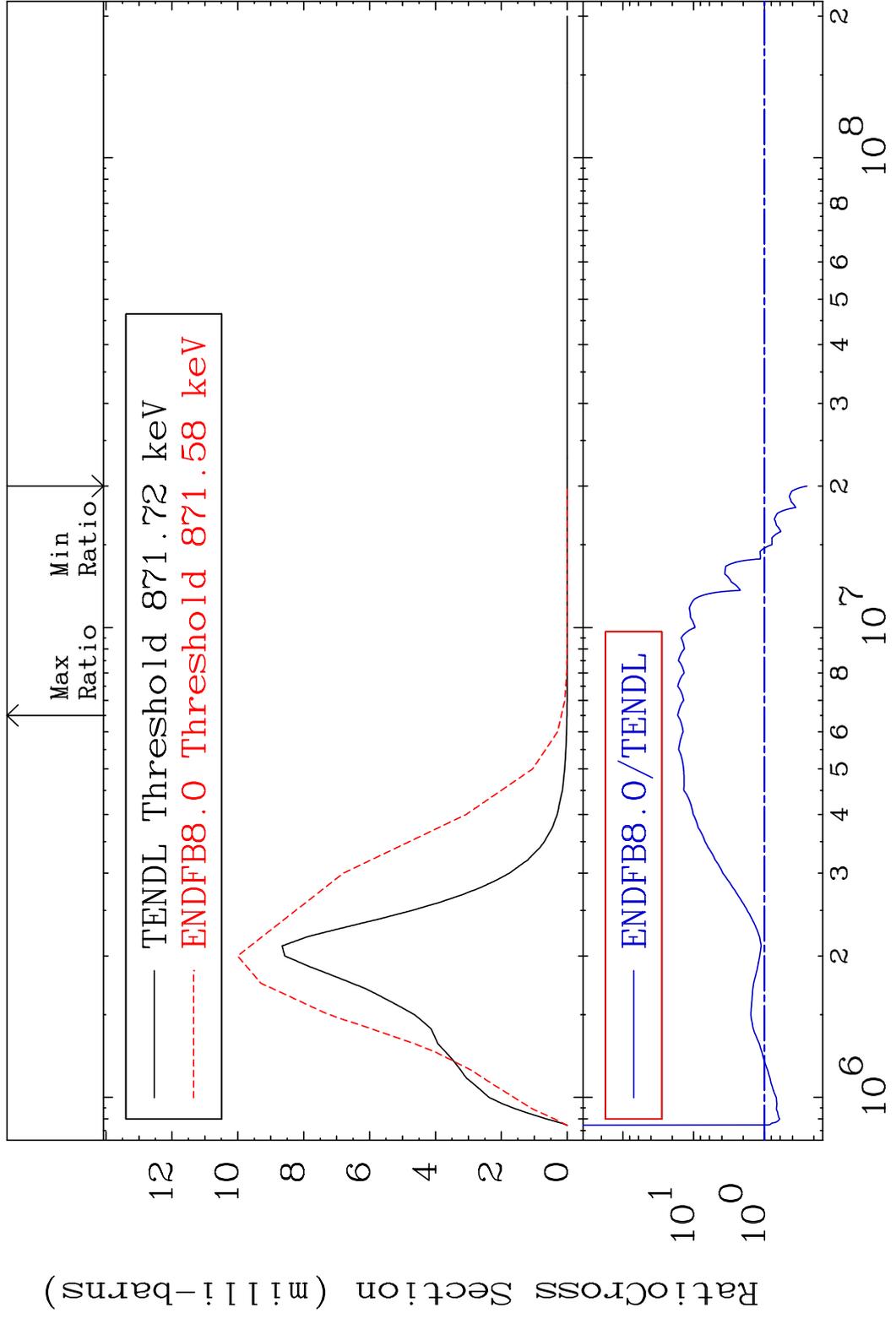


MAT 4931 MT= 53 (n, n') Level 49-In-115  
 Cross Section -75.61 To 1495. %

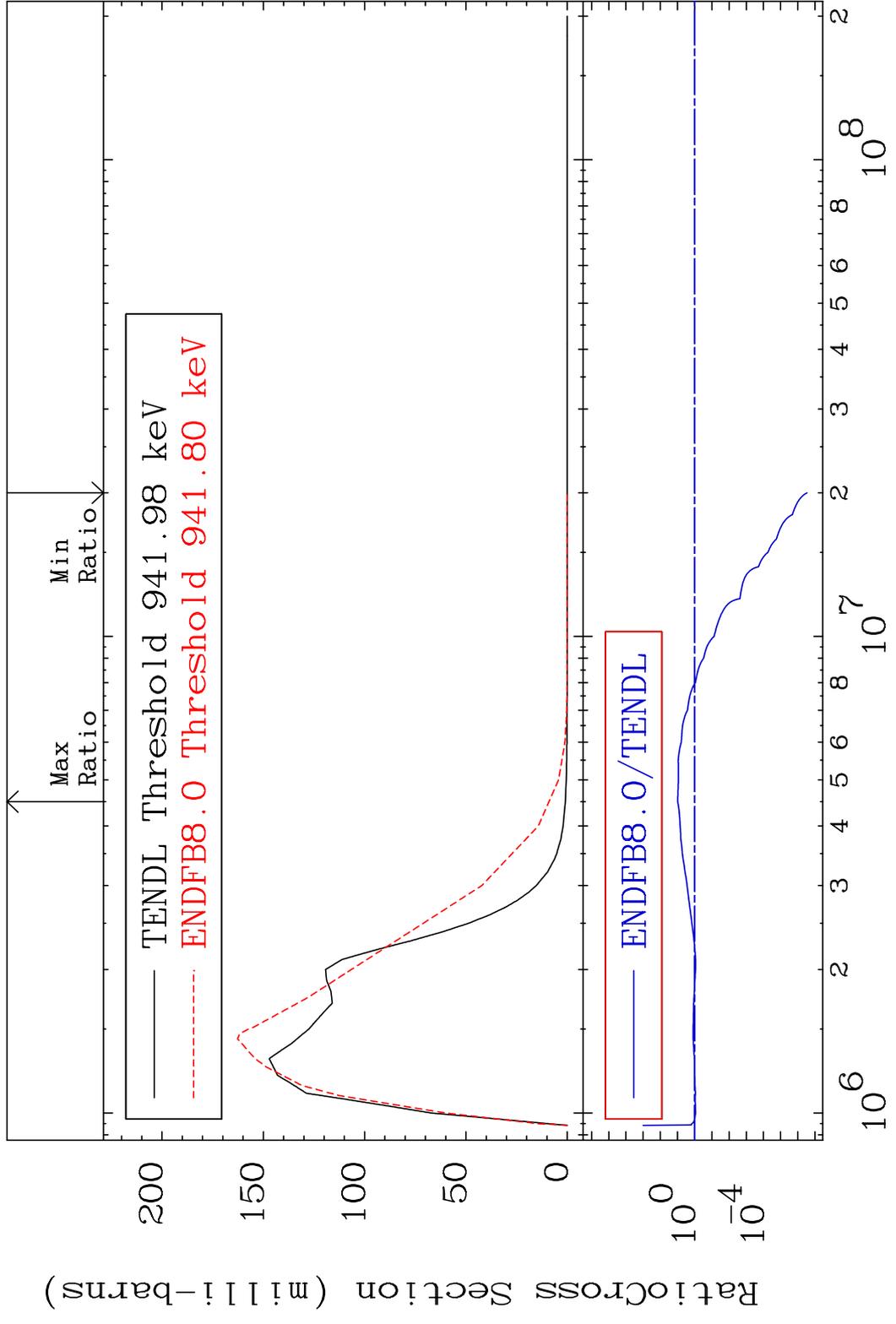


12 Incident Energy (eV) 49-In-115

MAT 4931 MT= 54 (n, n') Level 49-In-115  
 Cross Section -74.96 To 1578. %

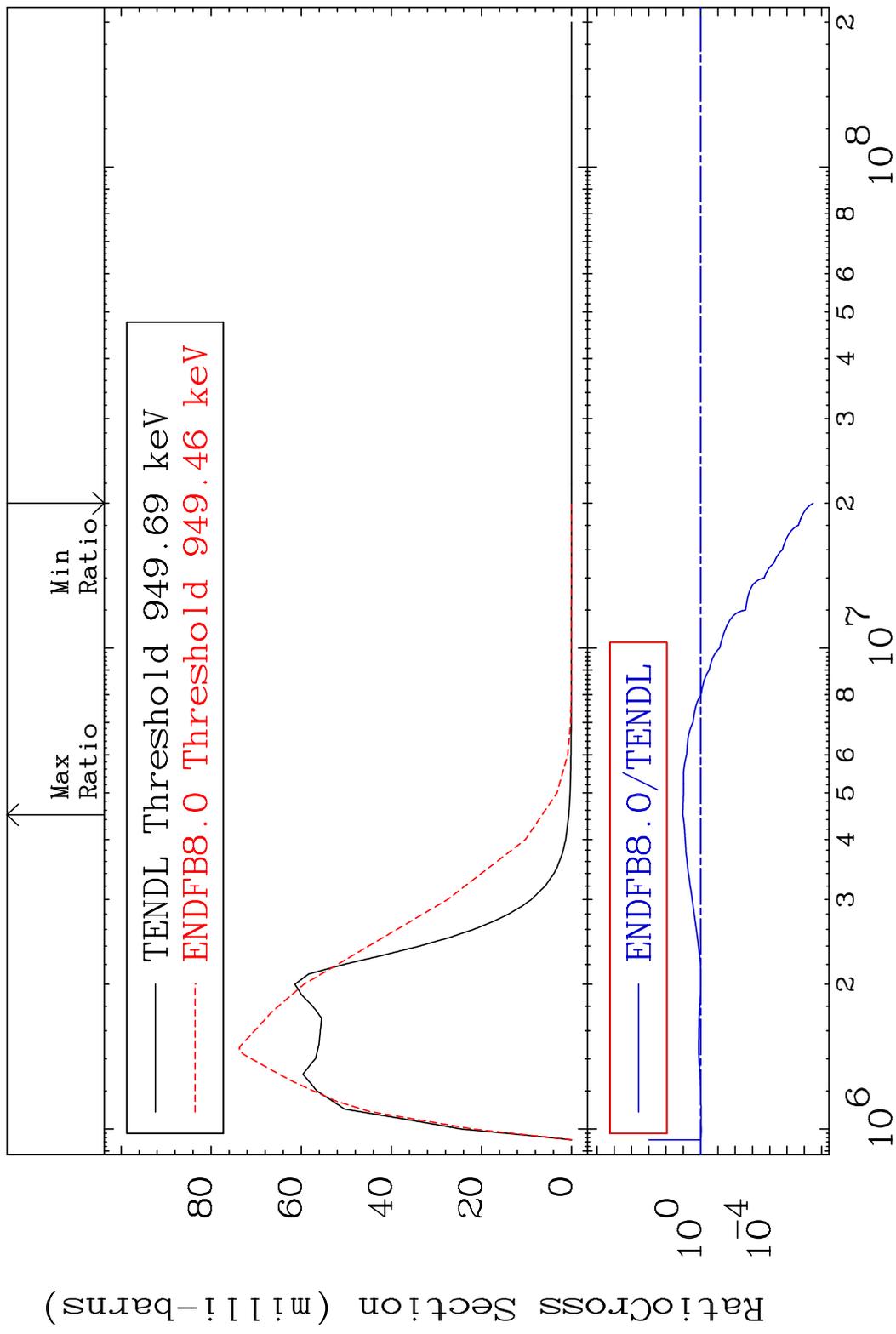


MAT 4931 MT= 55 (n, n') Level 49-In-115  
 Cross Section -100.0 To 875.1 %



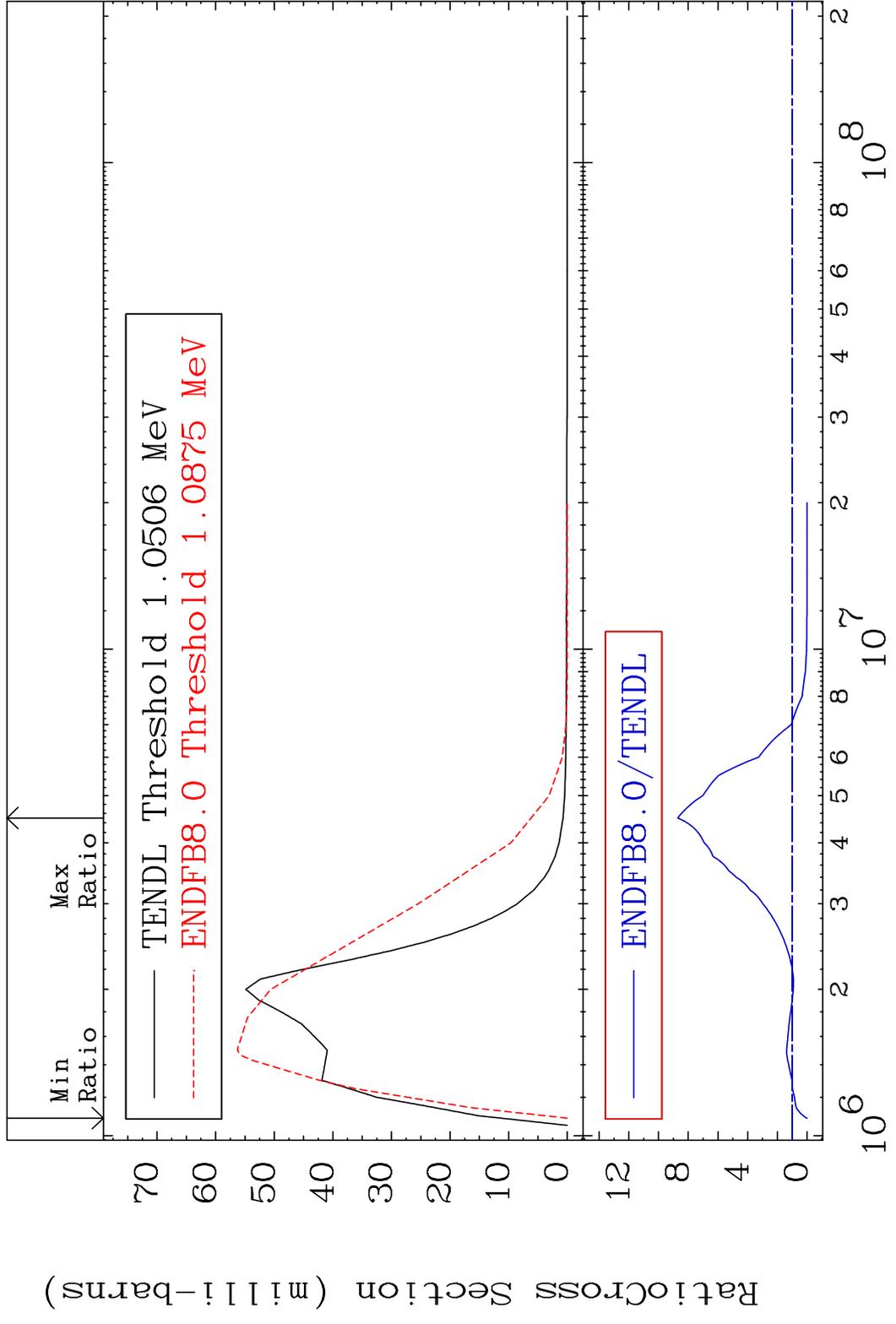
14 Incident Energy (eV) 49-In-115

MAT 4931 MT= 56 (n, n') Level 49-In-115  
 Cross Section -100.0 To 972.8 %



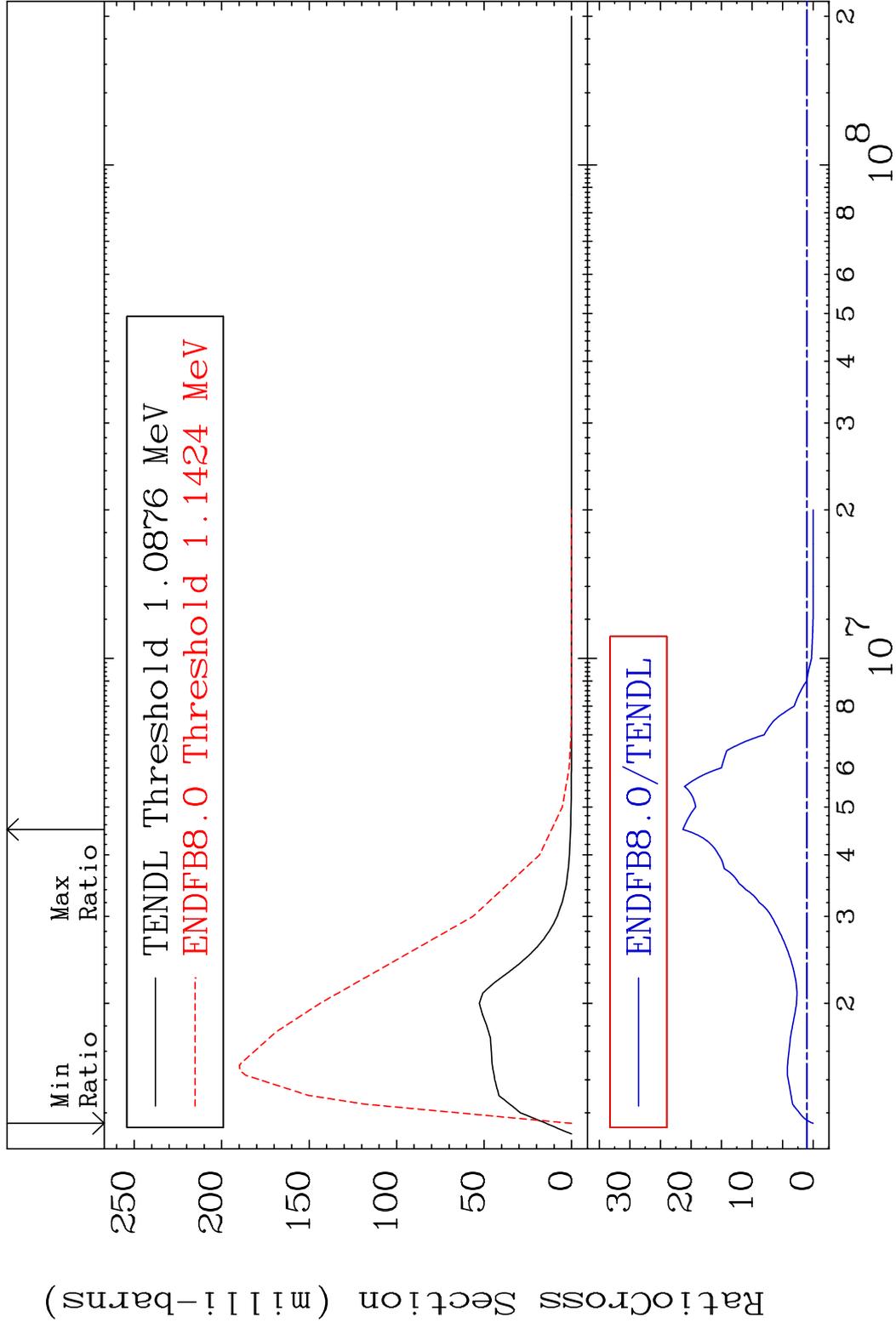
15 Incident Energy (eV) 49-In-115

MAT 4931 MT= 57 (n,n') Level 49-In-115  
 Cross Section -100.0 To 771.1 %

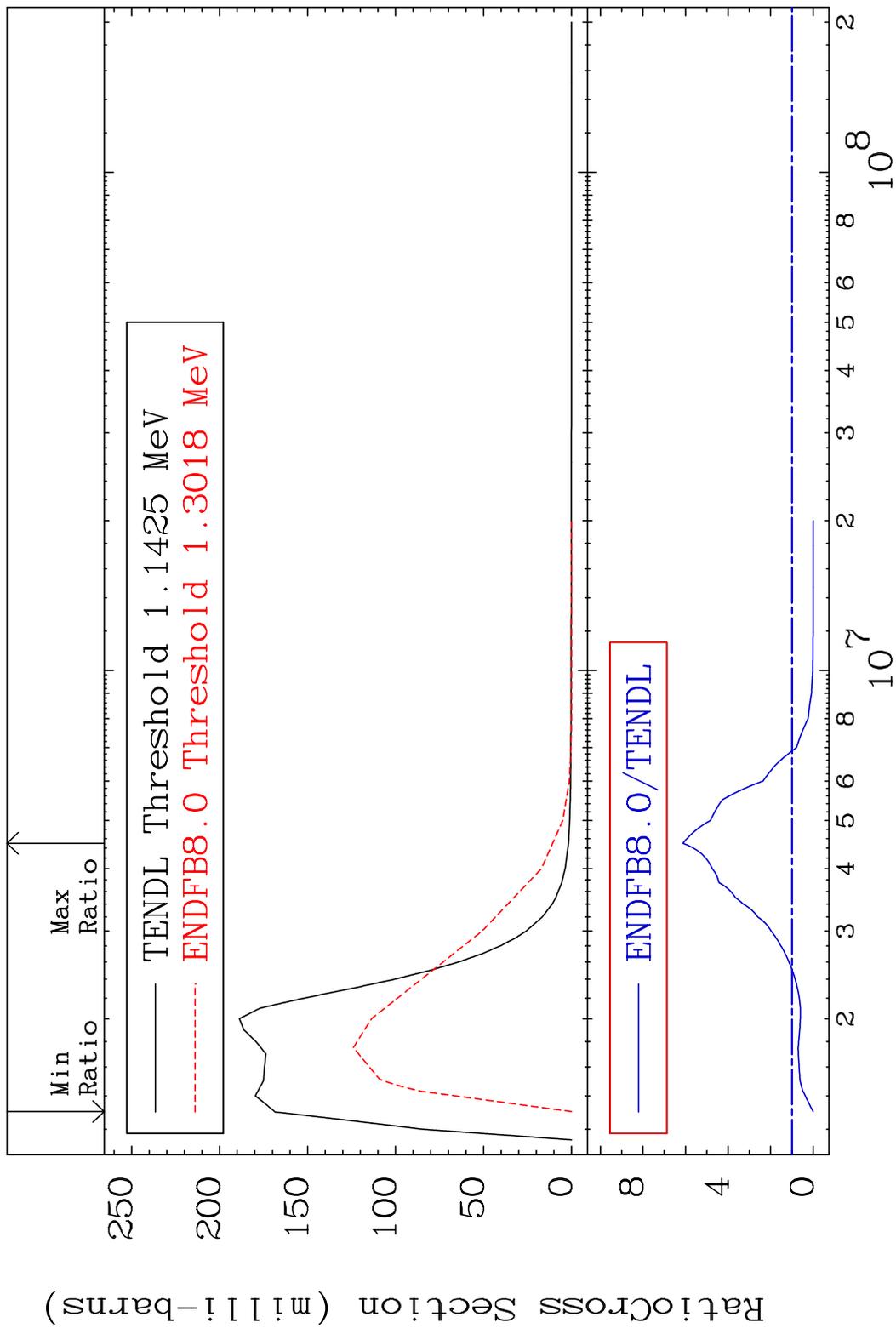


16 16 Incident Energy (eV) 49-In-115

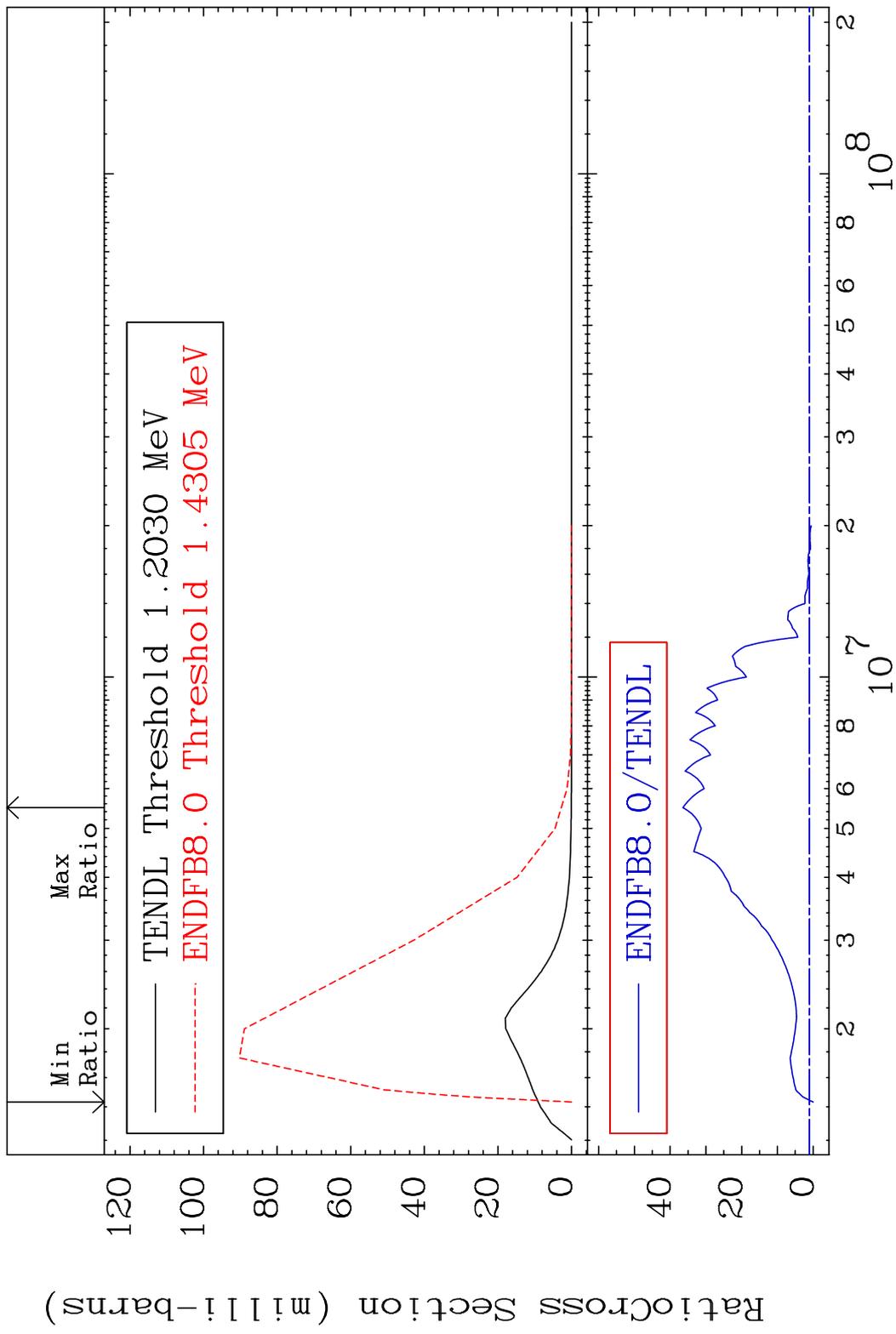
MAT 4931 MT= 58 (n, n') Level 49-In-115  
 Cross Section -100.0 To 2034. %



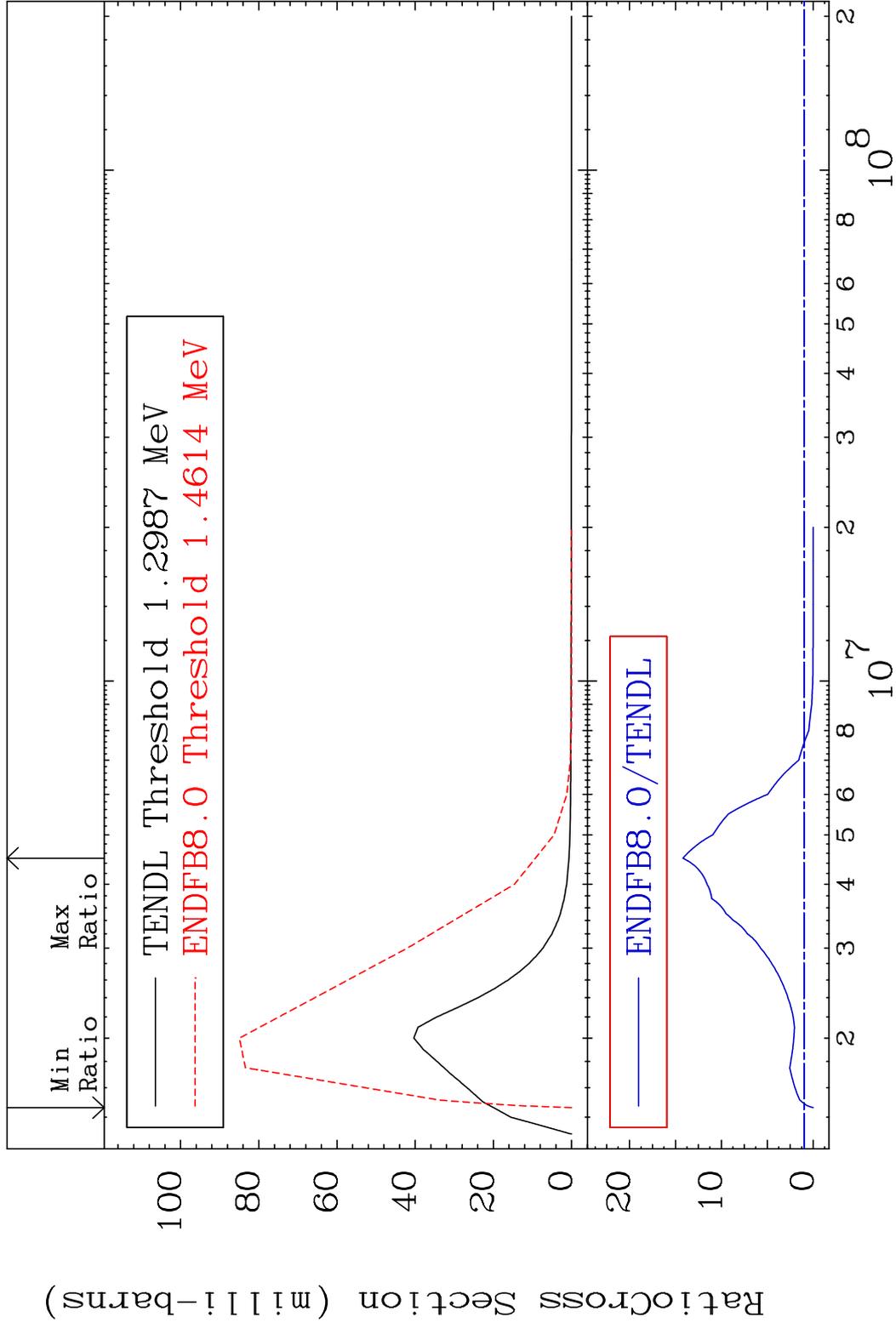
MAT 4931 MT= 59 (n, n') Level 49-In-115  
 Cross Section -100.0 To 512.6 %



MAT 4931 MT= 60 (n,n') Level 49-In-115  
 Cross Section -100.0 To 3546. %

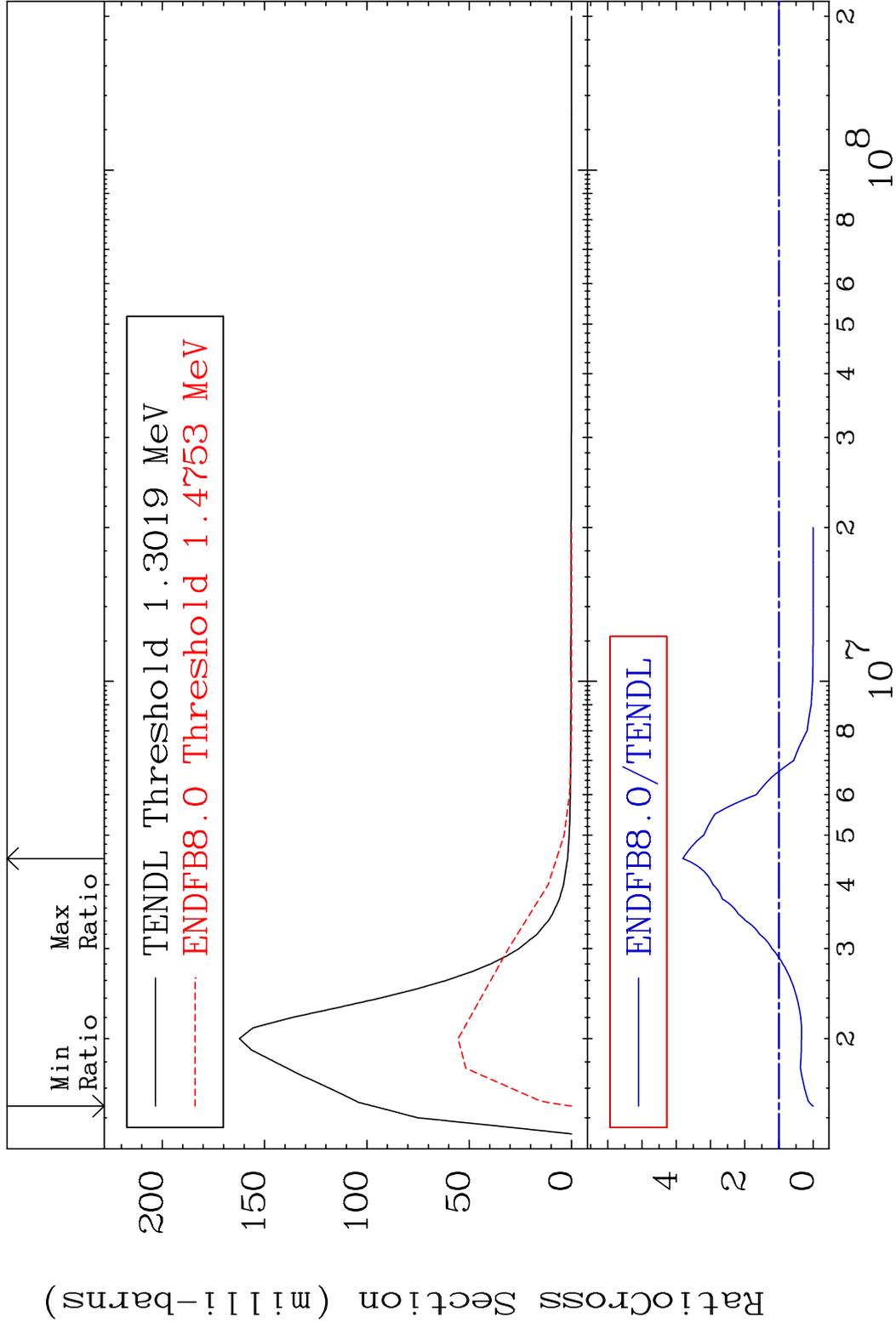


MAT 4931 MT= 61 (n,n') Level 49-In-115  
 Cross Section -100.0 To 1320. %

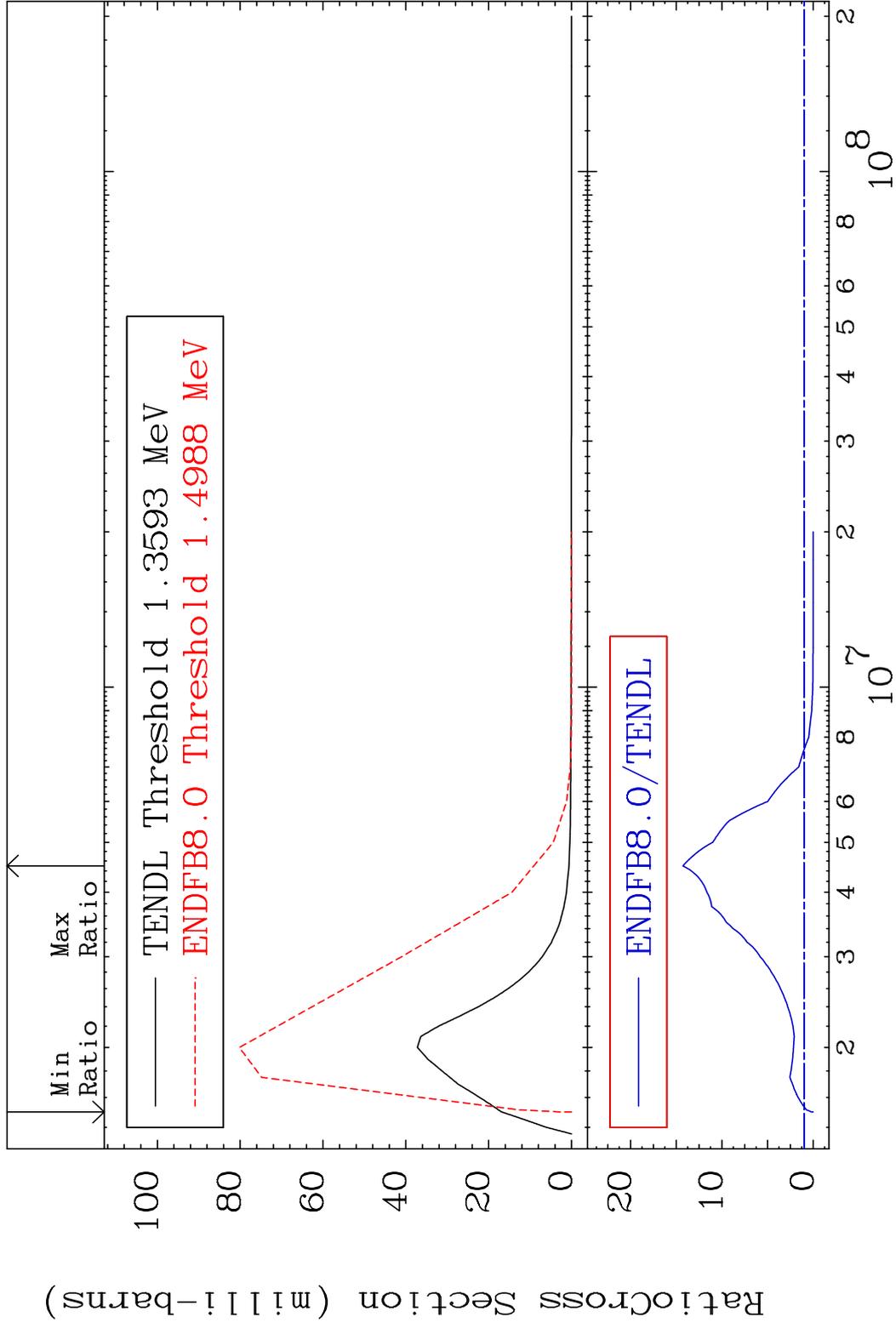


20 Incident Energy (eV) 49-In-115

MAT 4931 MT= 62 (n, n') Level 49-In-115  
 Cross Section -100.0 To 280.6 %



MAT 4931 MT= 63 (n, n') Level 49-In-115  
 Cross Section -100.0 To 1328. %

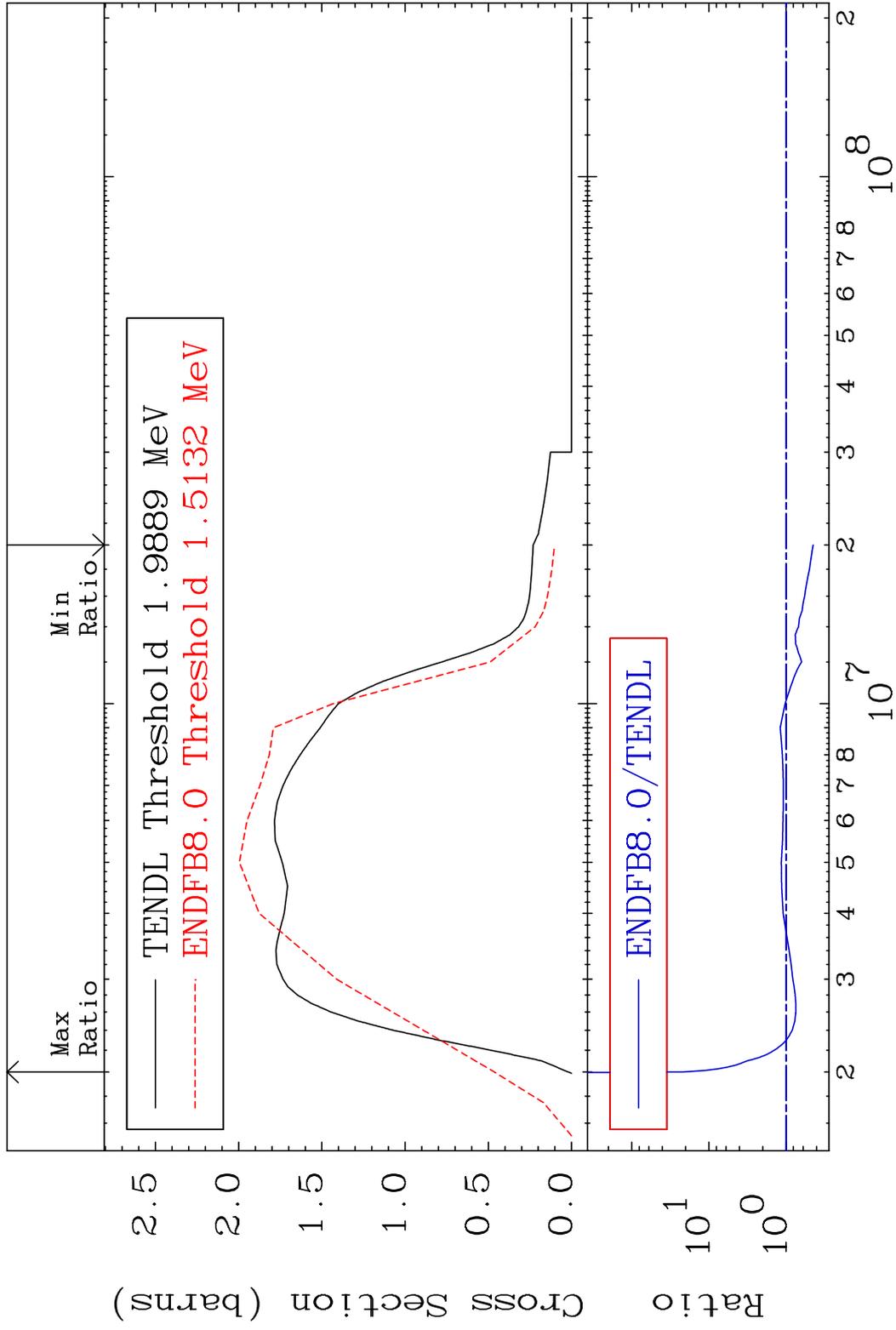


MAT 4931

(n, n') Continuum

49-In-115

Cross Section -55.63 To 2075. %

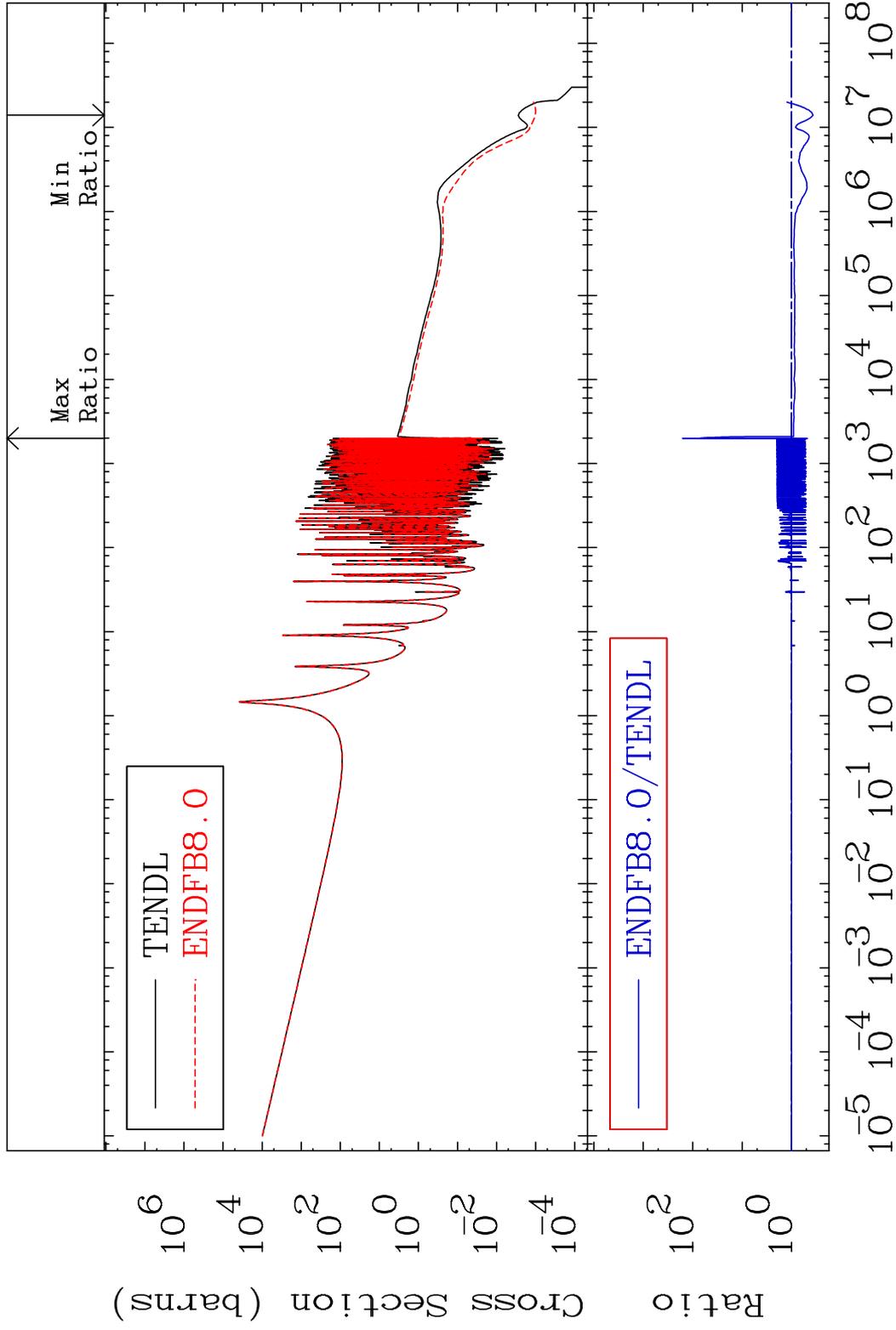


MAT 4931

(n,  $\gamma$ )

49-In-115

Cross Section -63.42 To 9999. %



24

Incident Energy (eV)

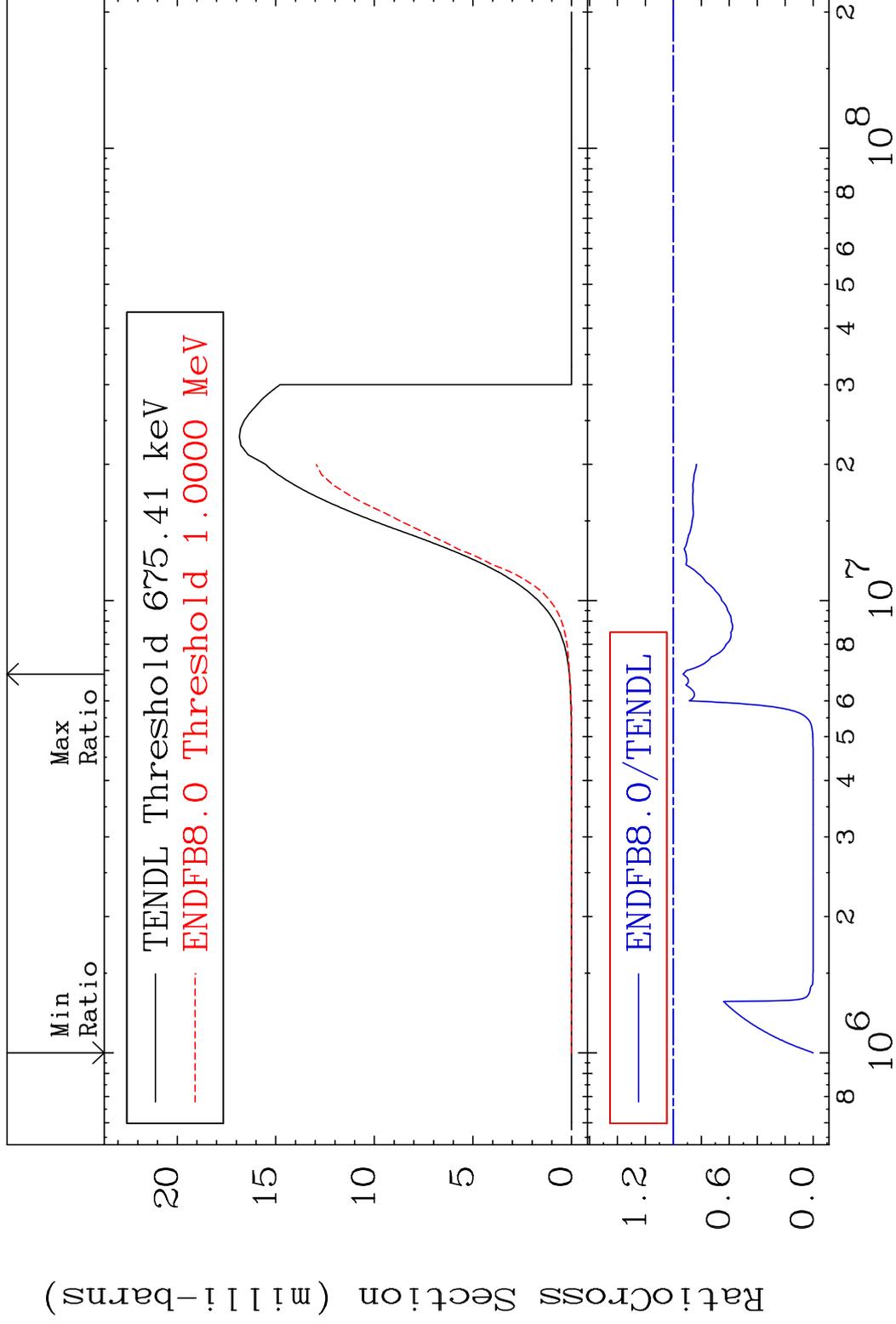
49-In-115

MAT 4931

(n,p)

49-In-115

Cross Section -100.0 To -6.781%



25

Incident Energy (eV)

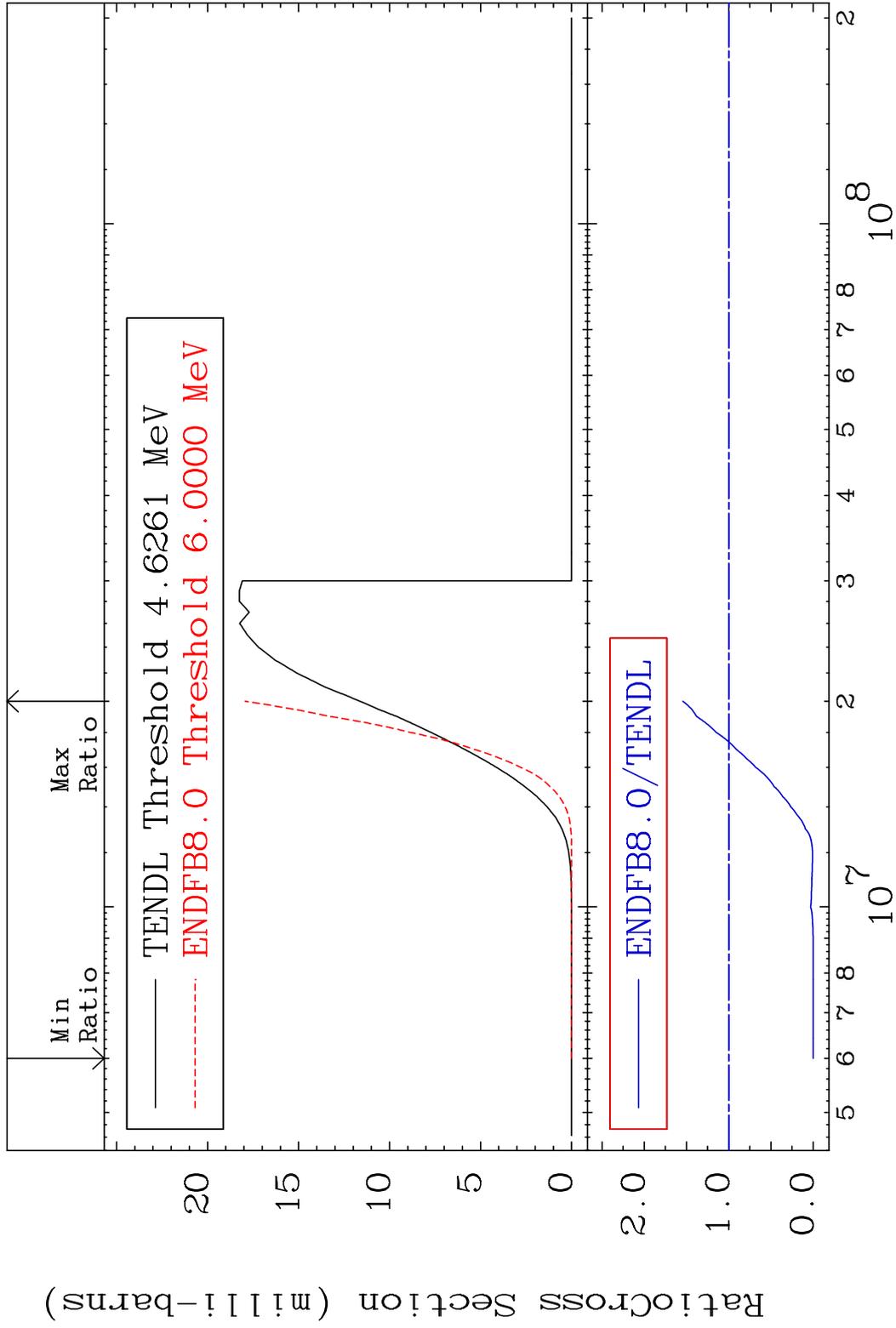
49-In-115

MAT 4931

(n, d)

49-In-115

Cross Section -100.0 To 54.35 %



26

Incident Energy (eV)

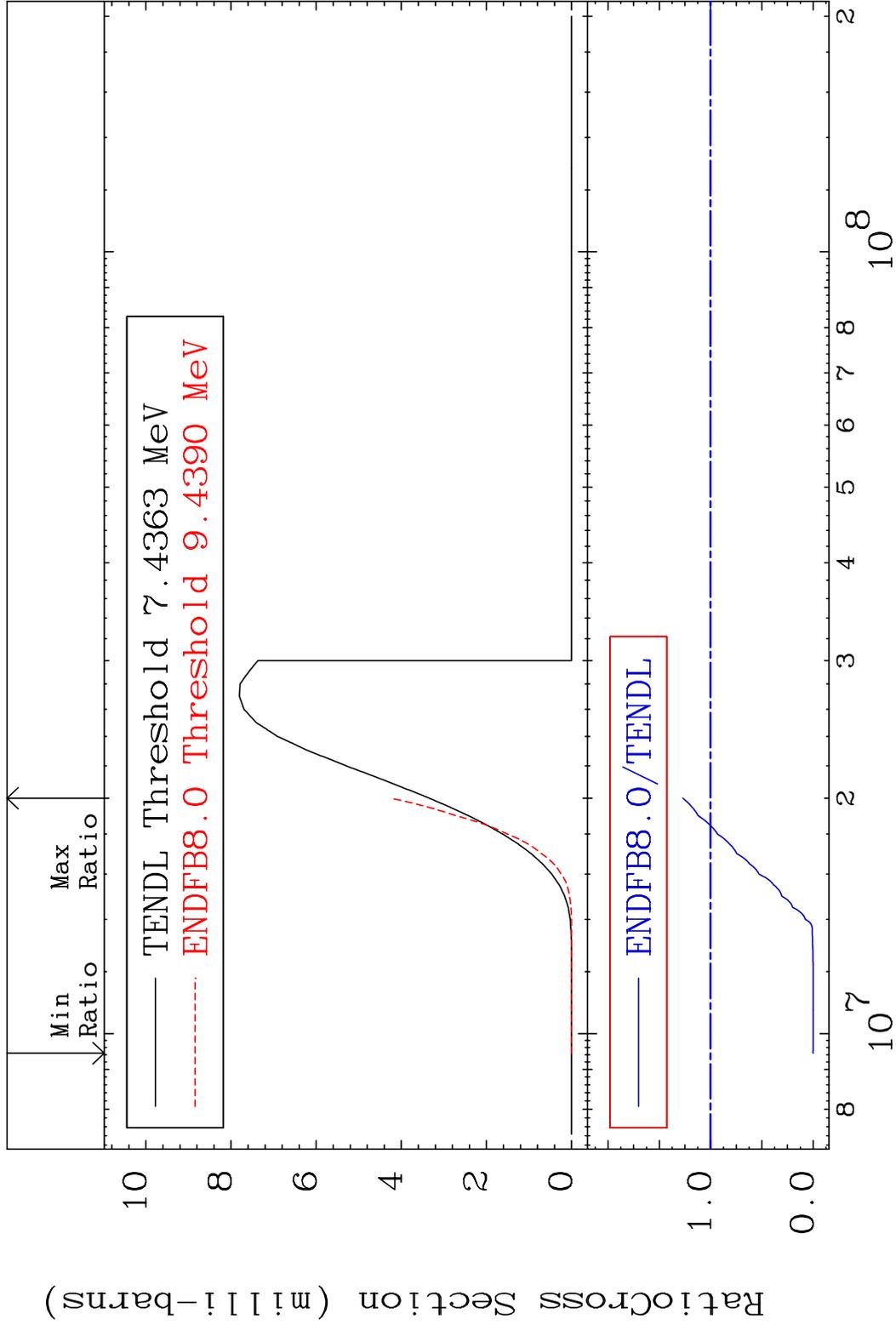
49-In-115

MAT 4931

(n, t)

49-In-115

Cross Section -100.0 To 27.05 %

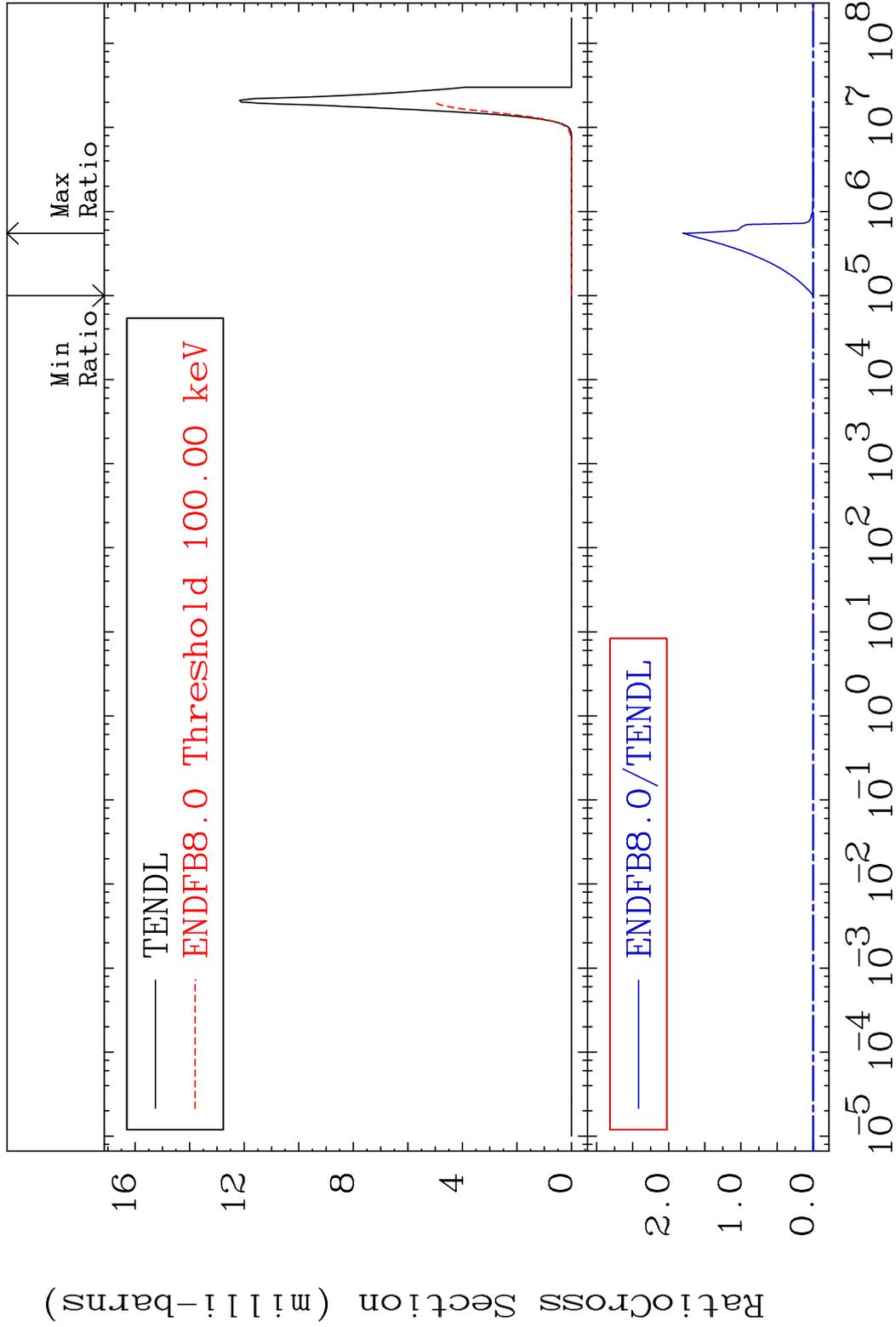


MAT 4931

(n,  $\alpha$ )

49-In-115

Cross Section -100.0 To 9999. %

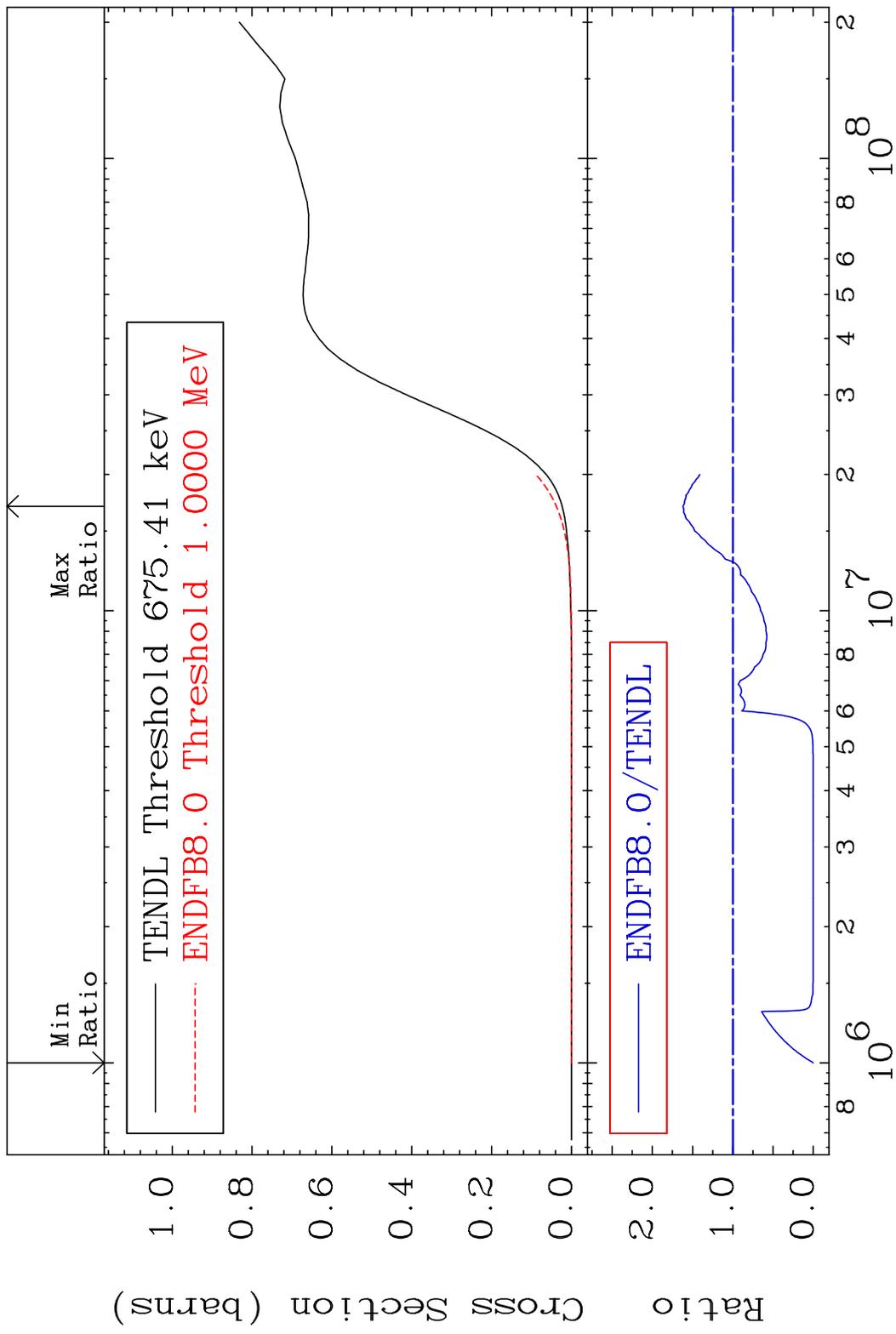


28

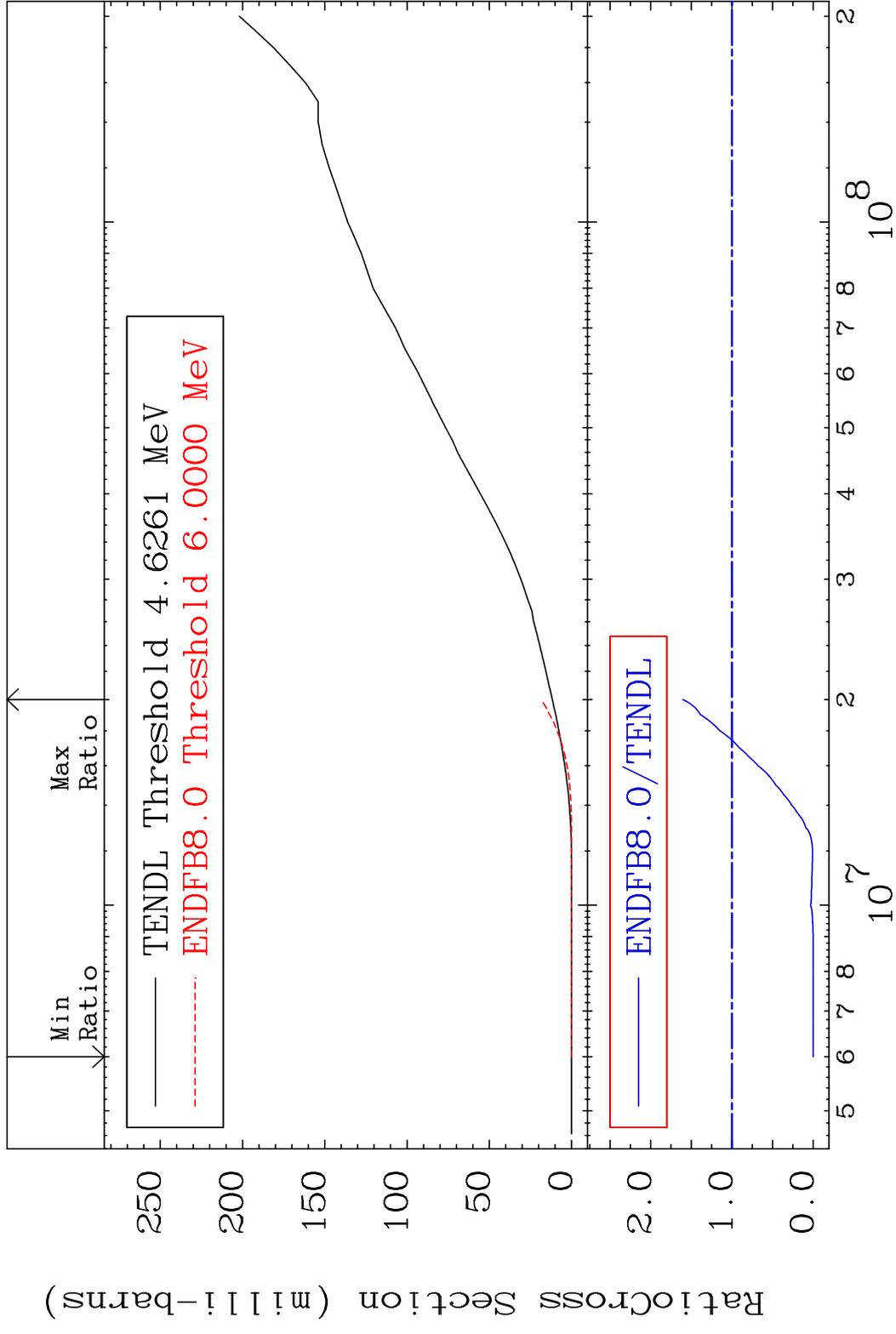
Incident Energy (eV)

49-In-115

MAT 4931 Hydrogen Production 49-In-115  
 Cross Section -100.0 To 62.12 %

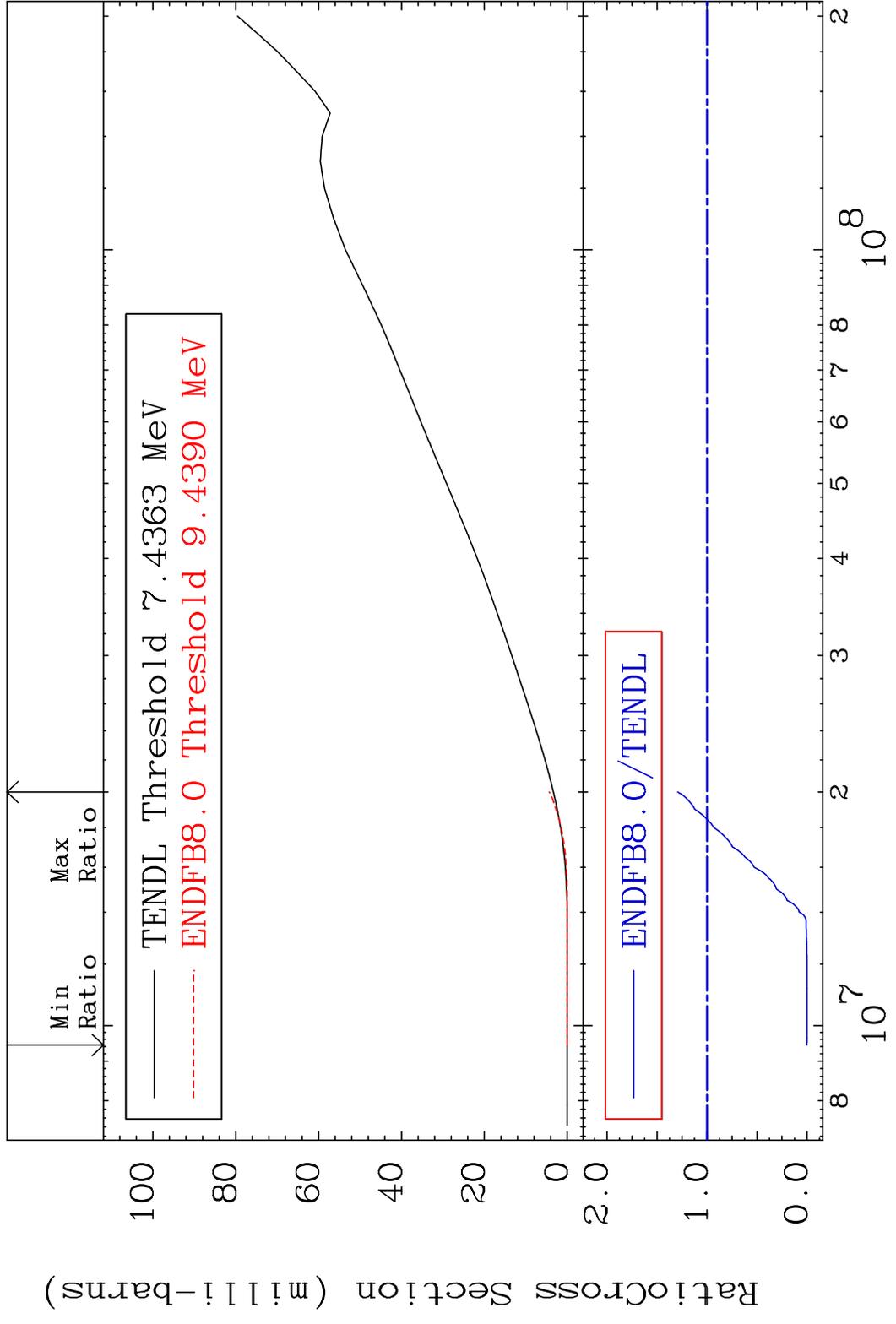


MAT 4931 Deuterium Production 49-In-115  
 Cross Section -100.0 To 60.34 %



30 Incident Energy (eV) 49-In-115

MAT 4931 Tritium Production 49-In-115  
 Cross Section -100.0 To 29.36 %

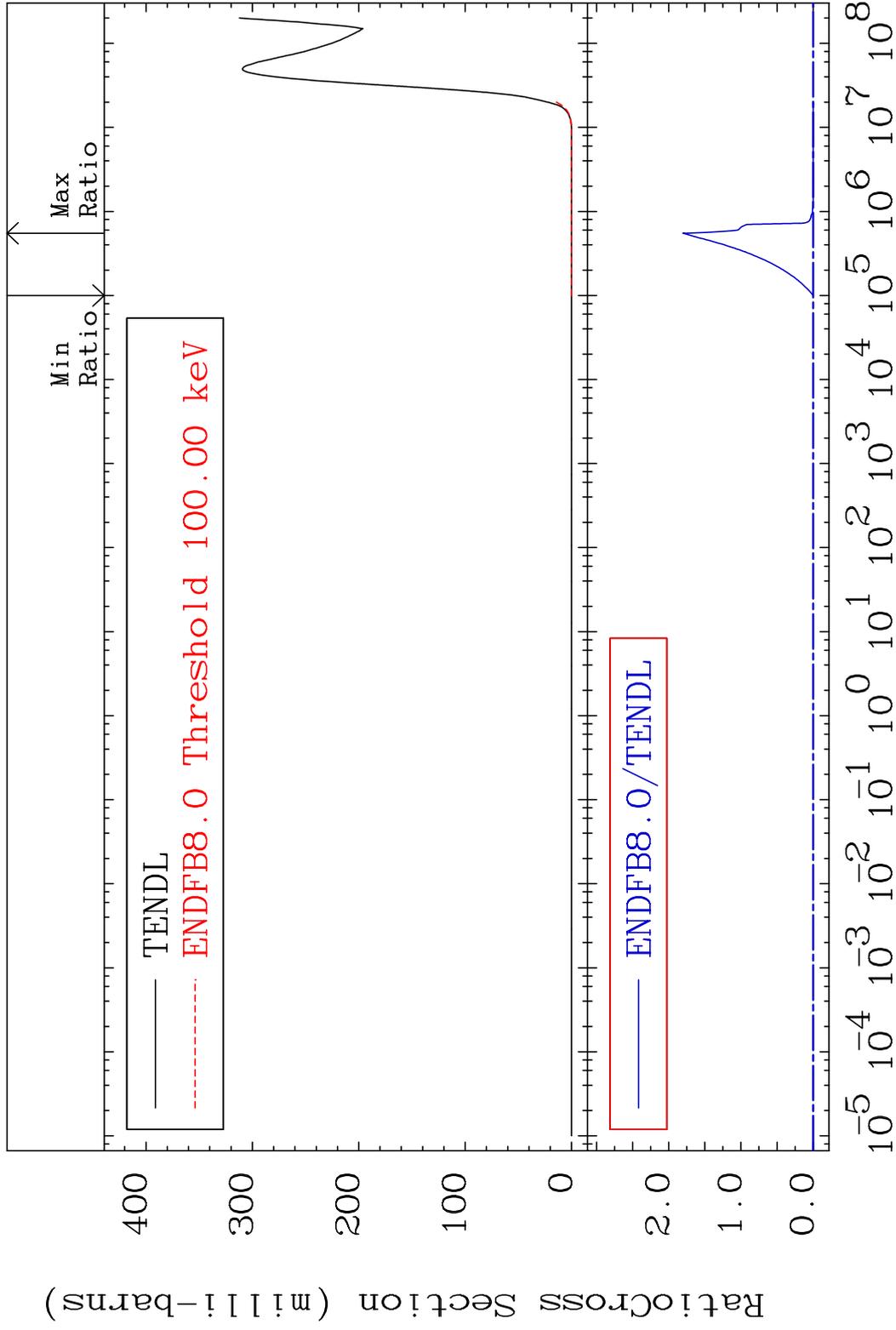


MAT 4931

He-4 Production

49-In-115

Cross Section -100.0 To 9999. %

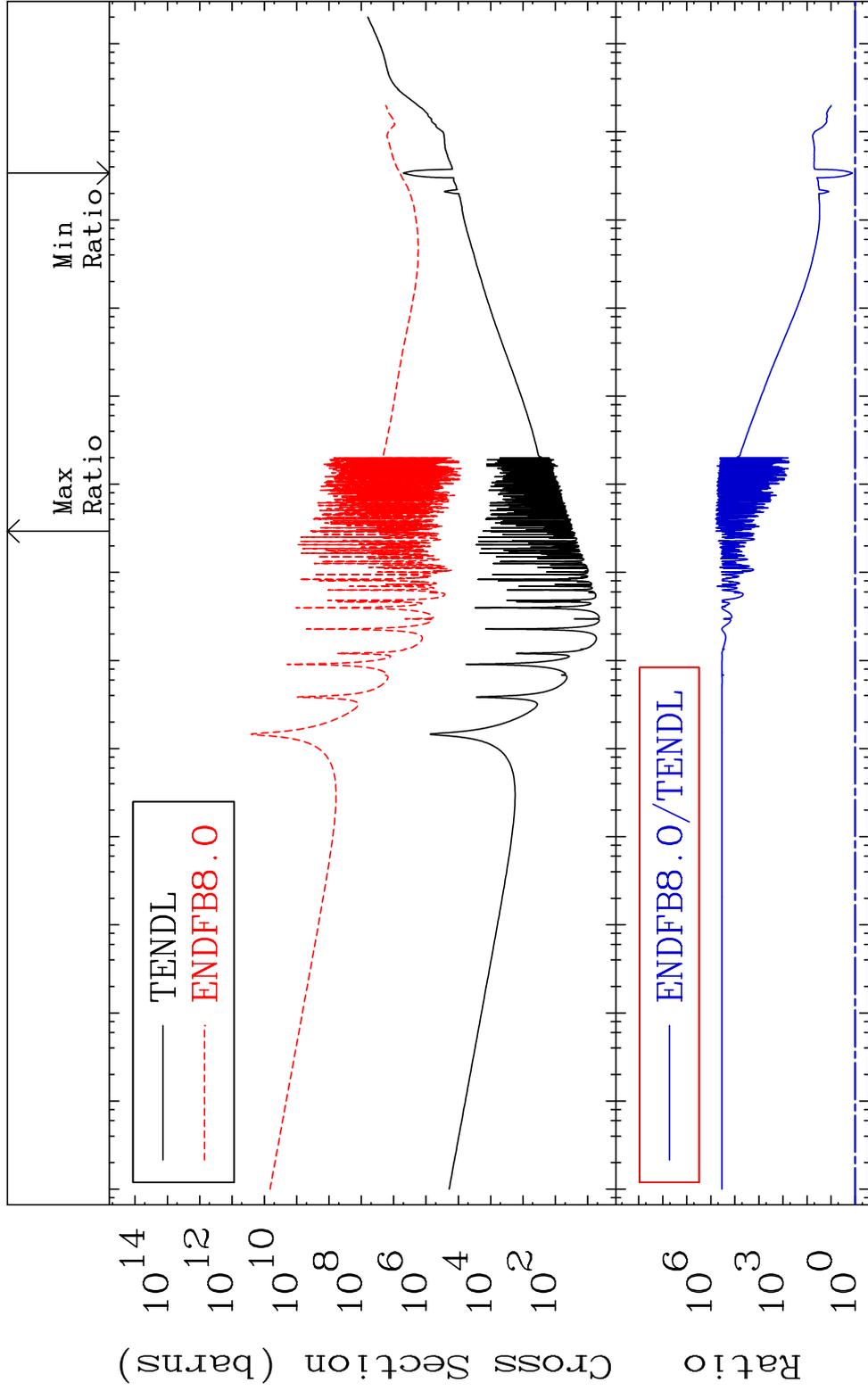


32

Incident Energy (eV)

49-In-115

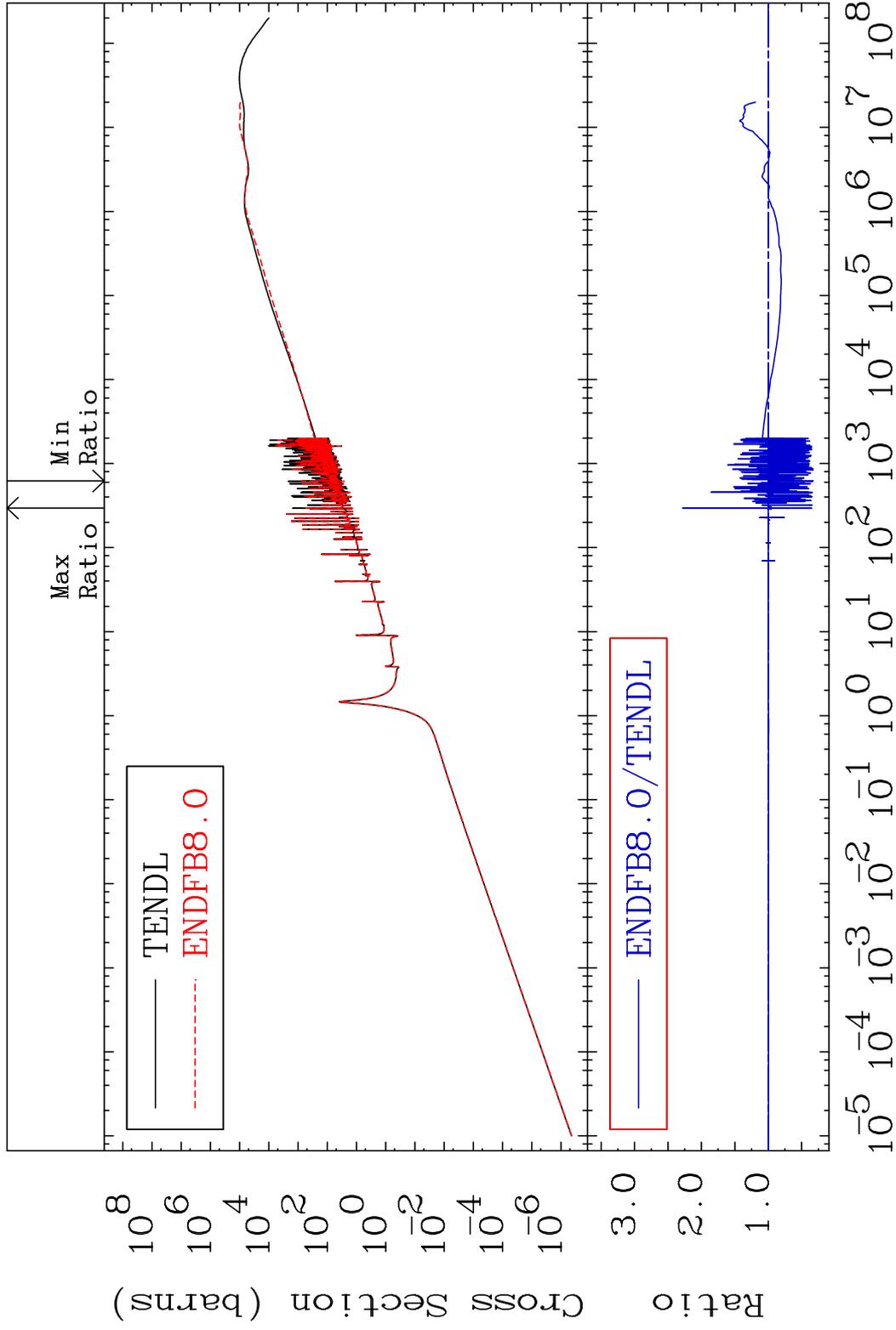
MAT 4931 Kerma total (eV-barns) 49-In-115  
 Cross Section 28.48 To 9999. %



MAT 4931

Kerma elastic  
Cross Section

49-In-115  
-67.21 To 127.8 %

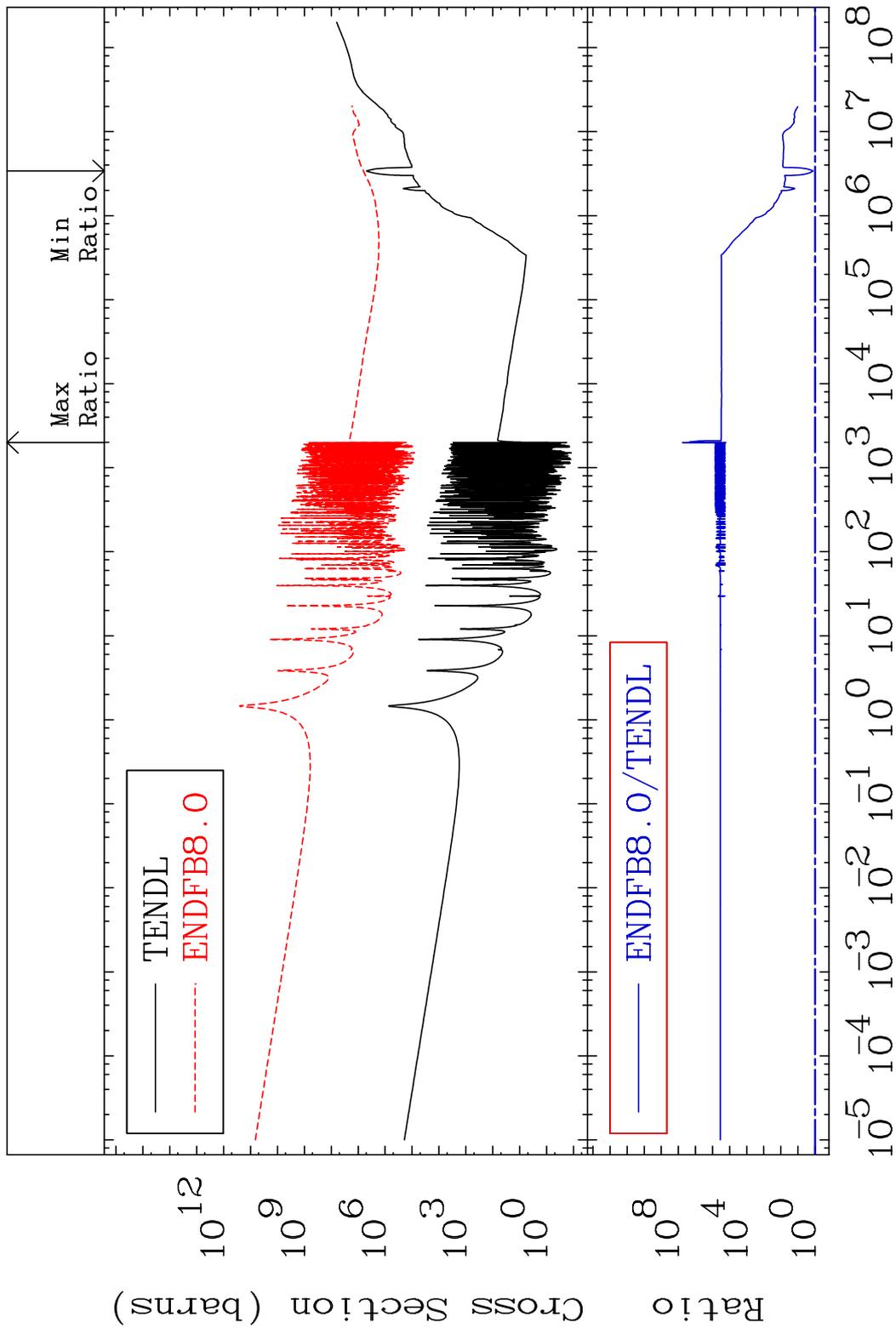


34

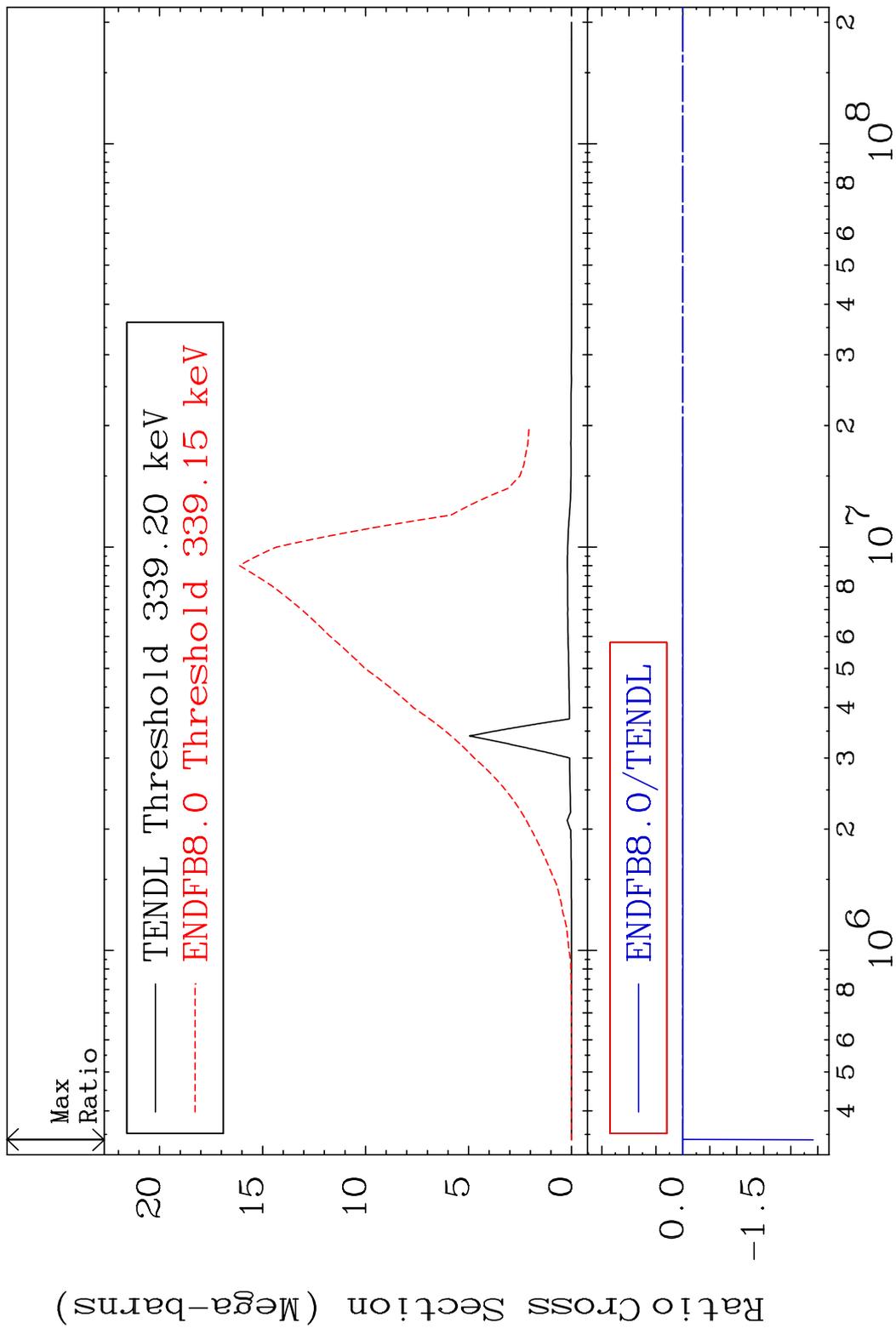
Incident Energy (eV)

49-In-115

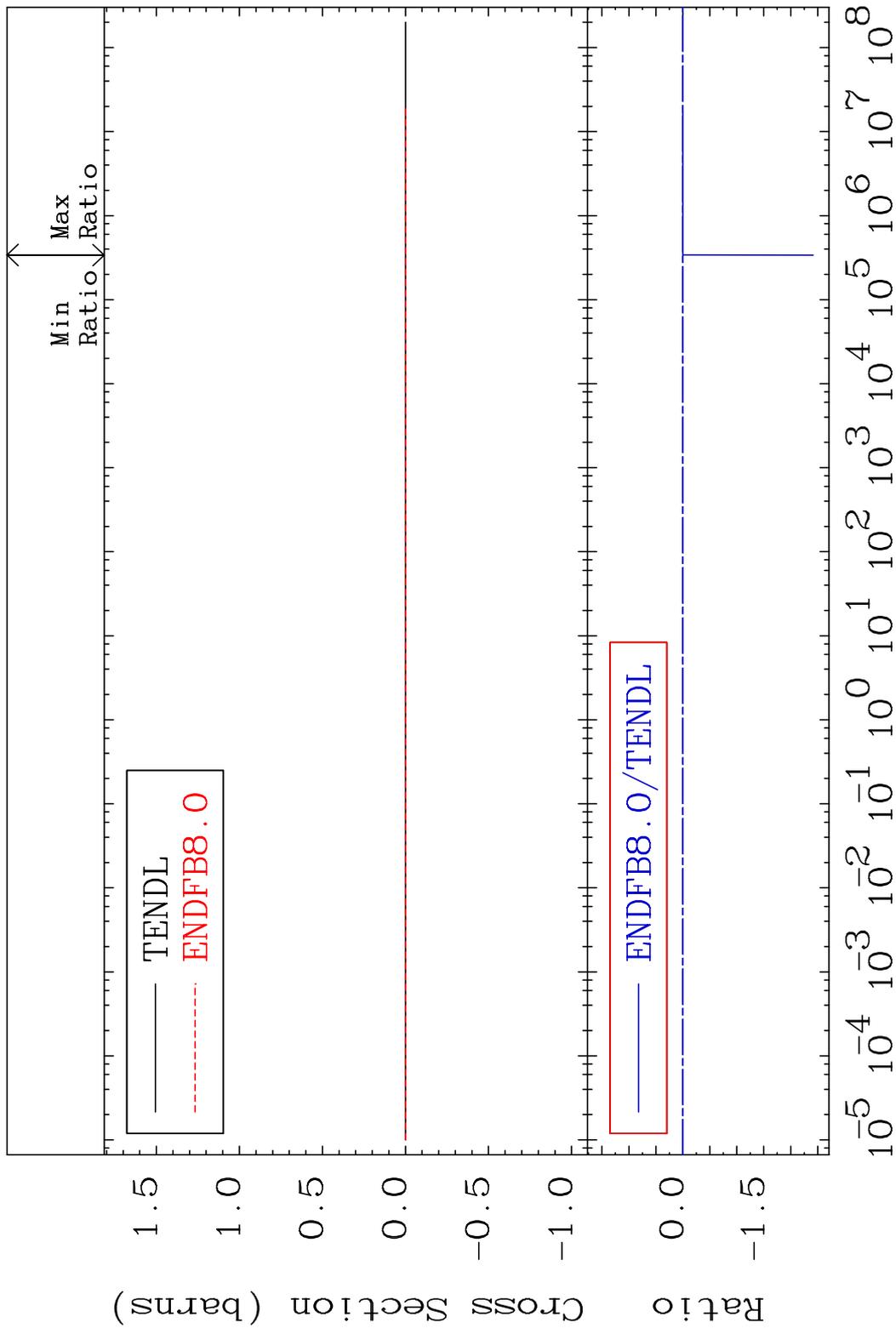
MAT 4931 Kerma non-elastic (all but mt2) 49-In-115  
 Cross Section 28.71 To 9999. %



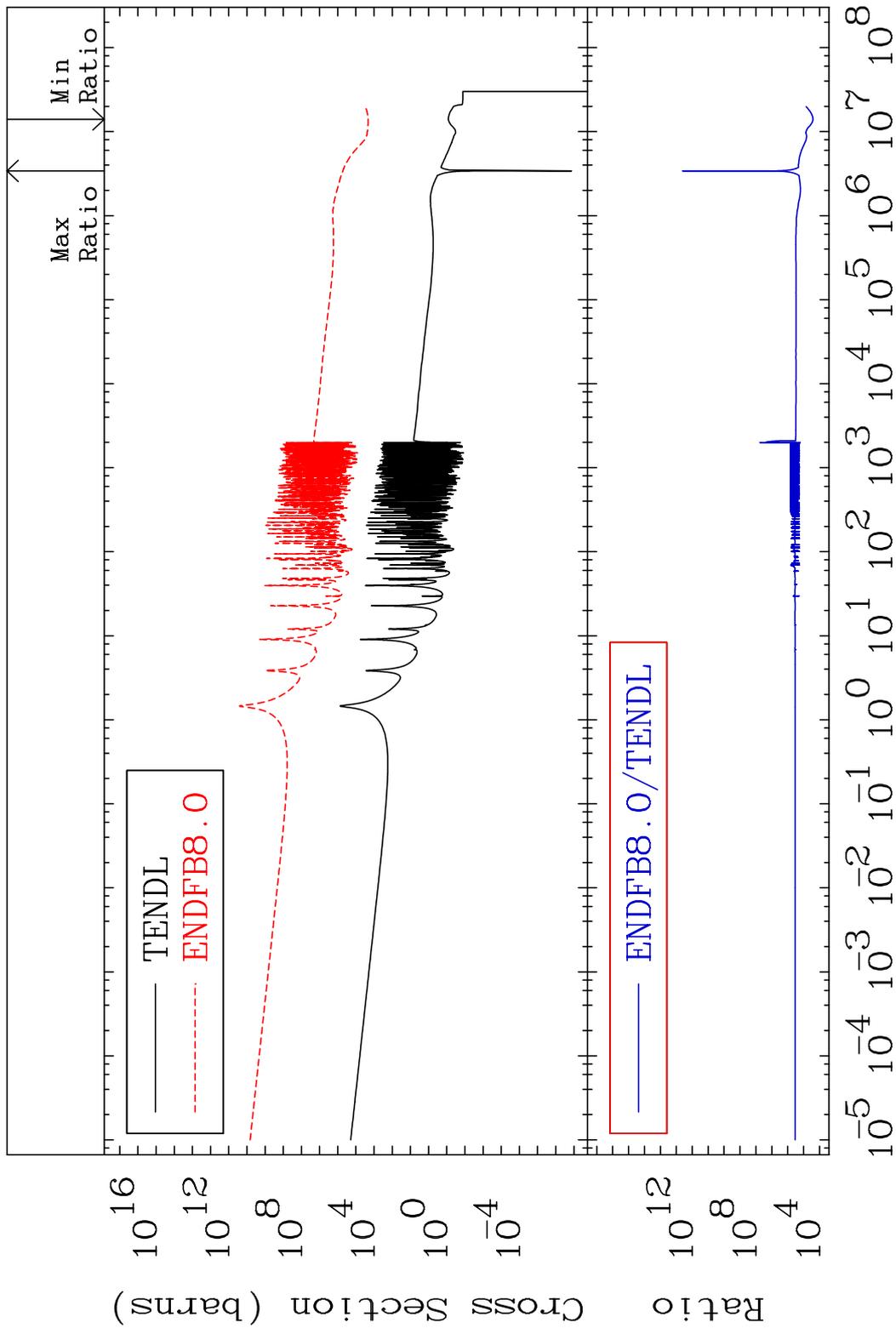
MAT 4931 Kerma inelastic (mt51-91) 49-In-115  
 Cross Section -9999. To 9999. %



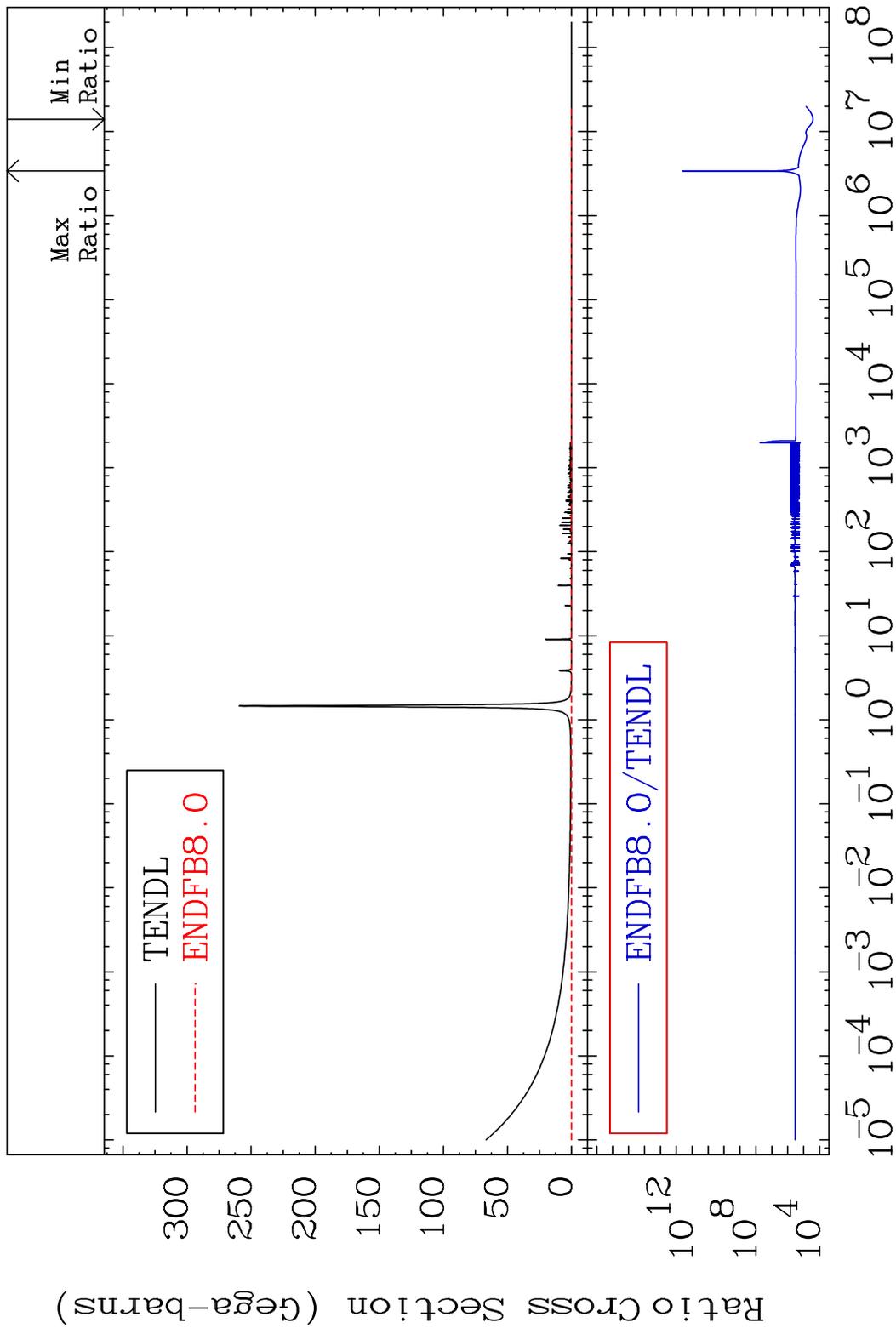
MAT 4931 Kerma fission (mt18 or mt19-20-21-38)9-In-115  
 Cross Section -9999. To 9999. %



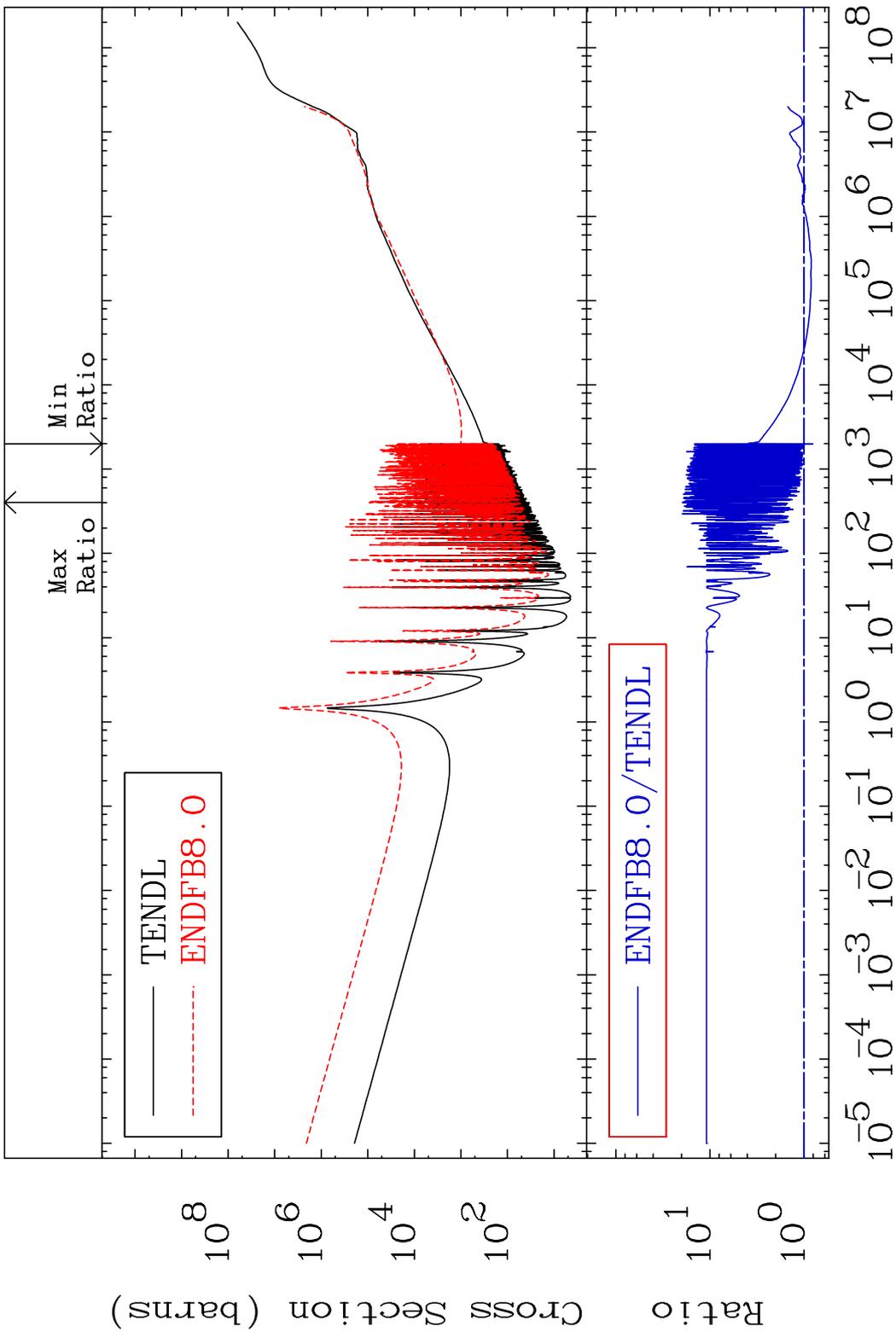
MAT 4931 Kerma capture (mt102) 49-In-115  
 Cross Section 9999. To 9999. %



MAT 4931 Total photon (eV-barns) 49-In-115  
 Cross Section 9999. To 9999. %



MAT 4931 Total kinematic kerma (high limit) 49-In-115  
Cross Section -19.67 To 1868. %



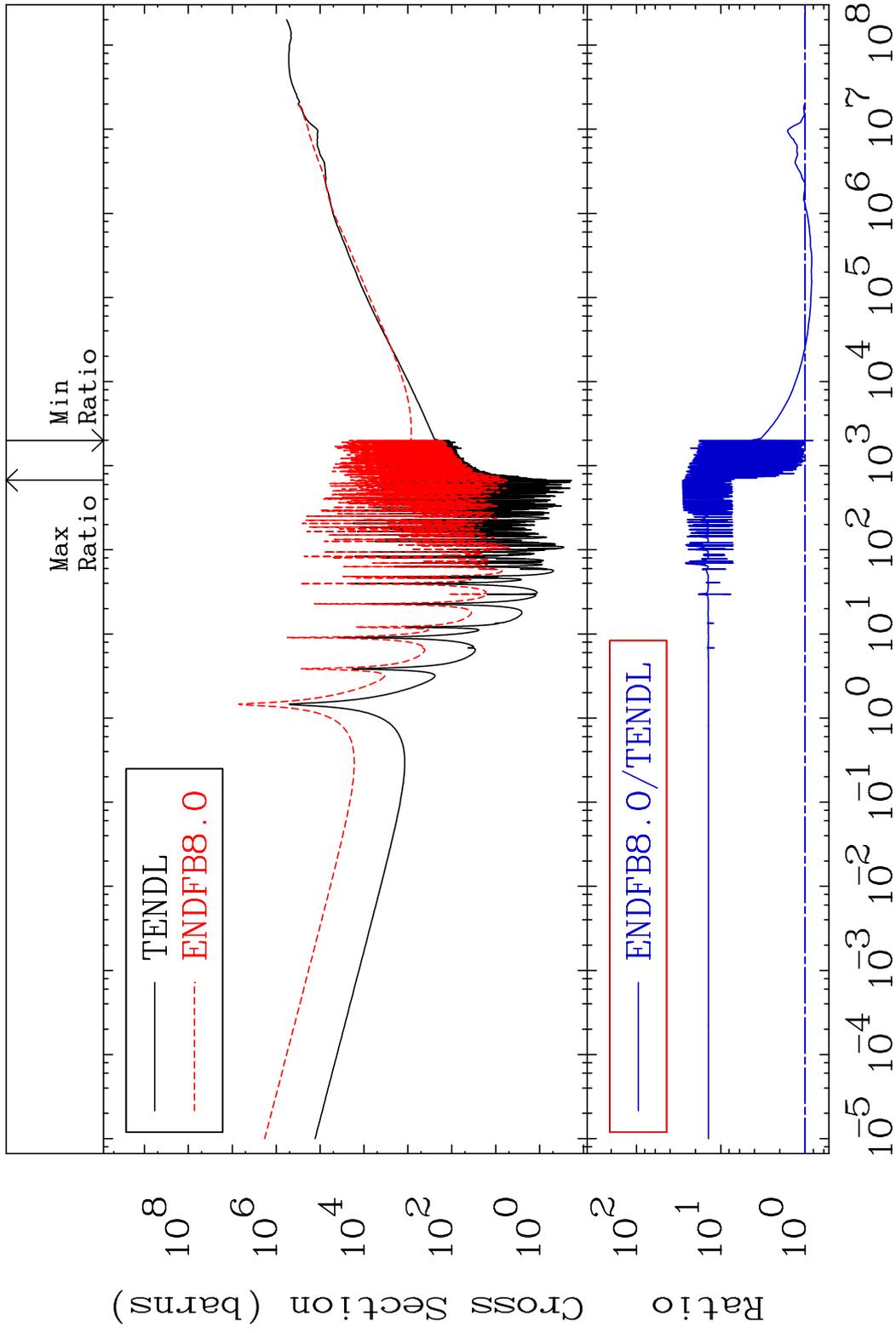
40 Incident Energy (eV) 49-In-115

MAT 4931

Dpa total (eV-barns)

49-In-115

Cross Section -19.29 To 2737. %



41

Incident Energy (eV)

49-In-115

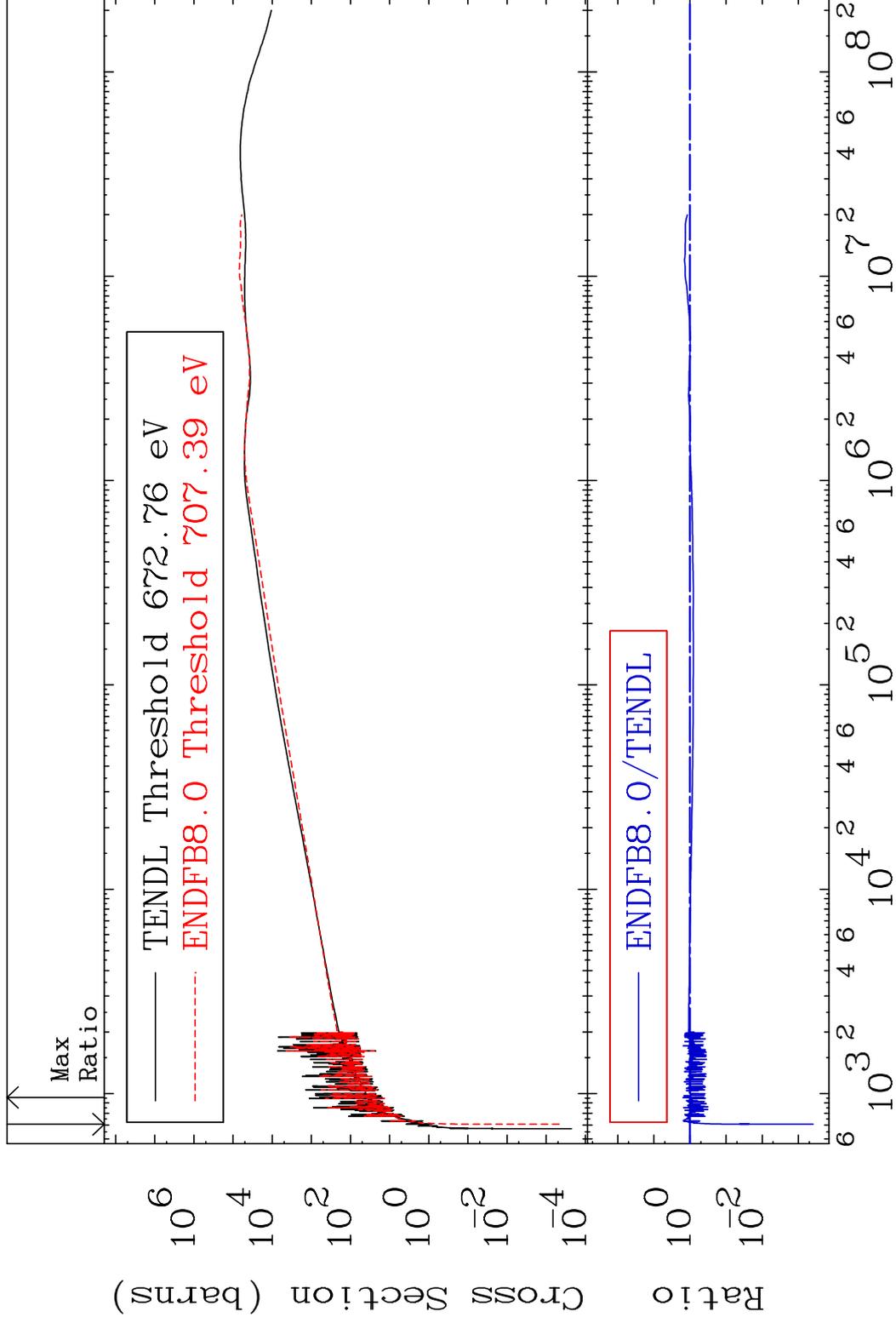
MAT 4931

Dpa elastic (mt2)

49-In-115

Cross Section

-99.96 To 57.73 %



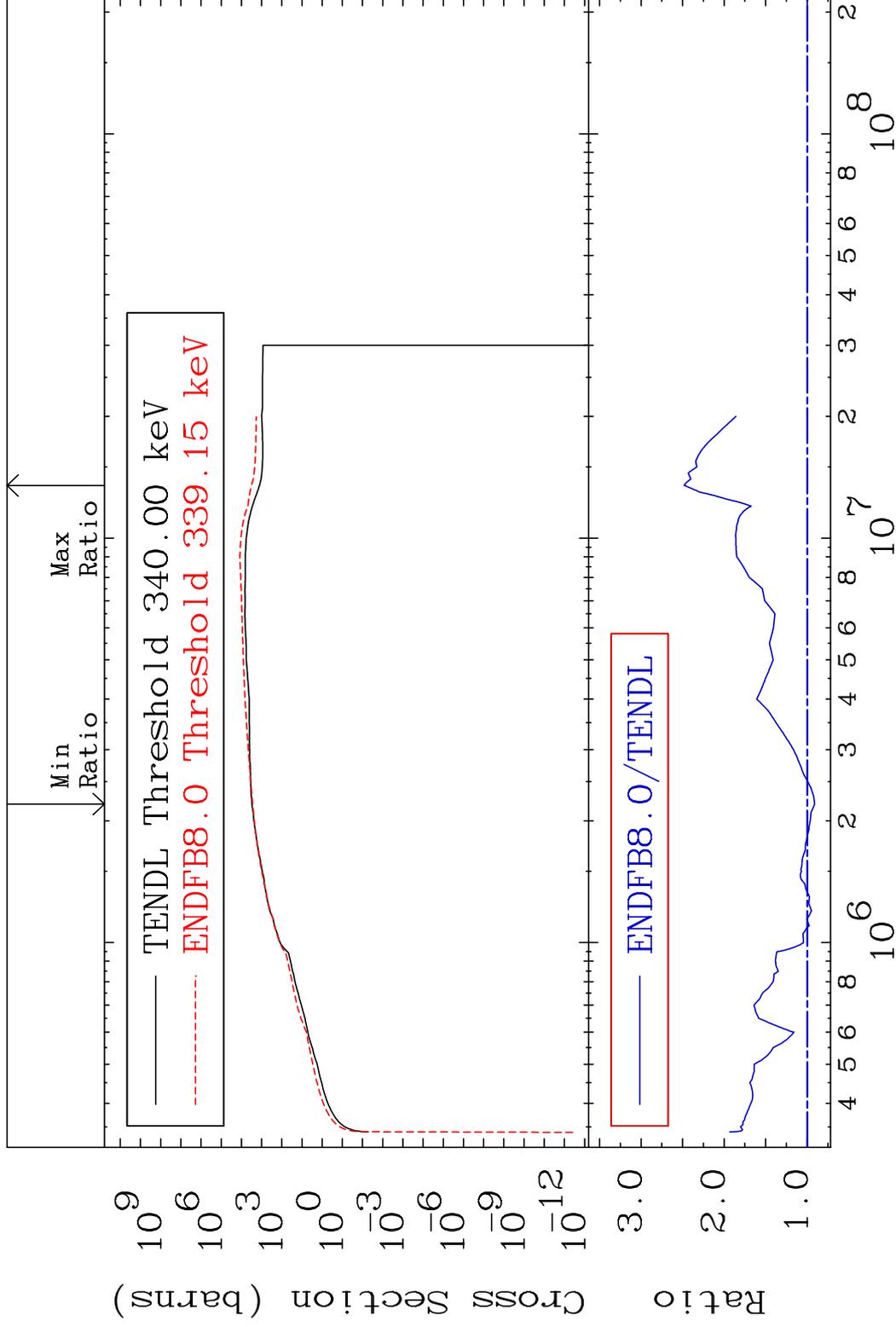
42

Incident Energy (eV)

49-In-115

MAT 4931

Dpa inelastic (mt51-91) 49-In-115  
Cross Section -9.100 To 148.2 %



43

Incident Energy (eV)

49-In-115

MAT 4931 Dpa disappearance (mt102 -120) 49-In-115  
 Cross Section -3.891 To 9999. %

