

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

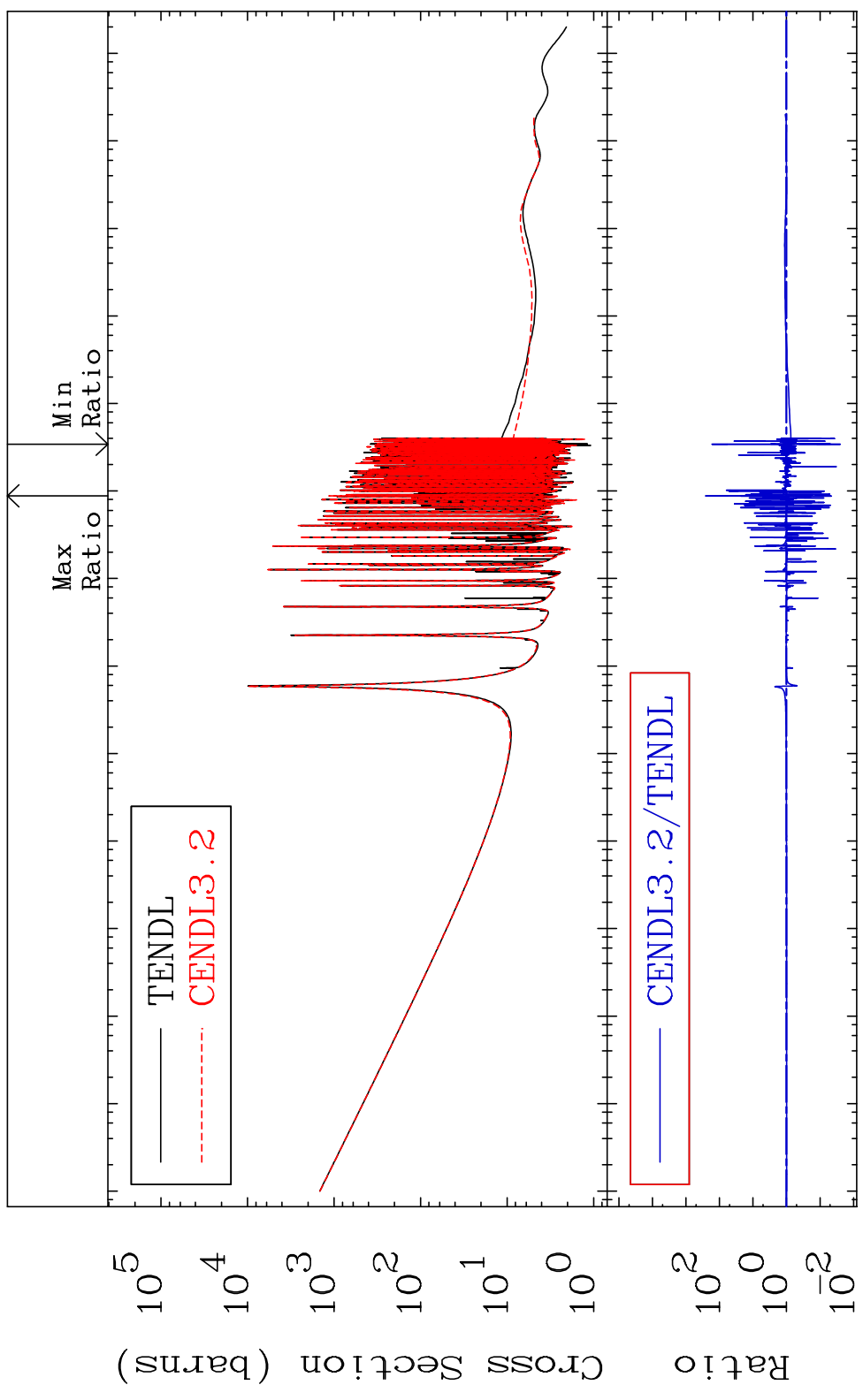
Press Mouse Button to Start

MAT 5525

55-Cs-133

Total

Cross Section -97.53 To 9999. %



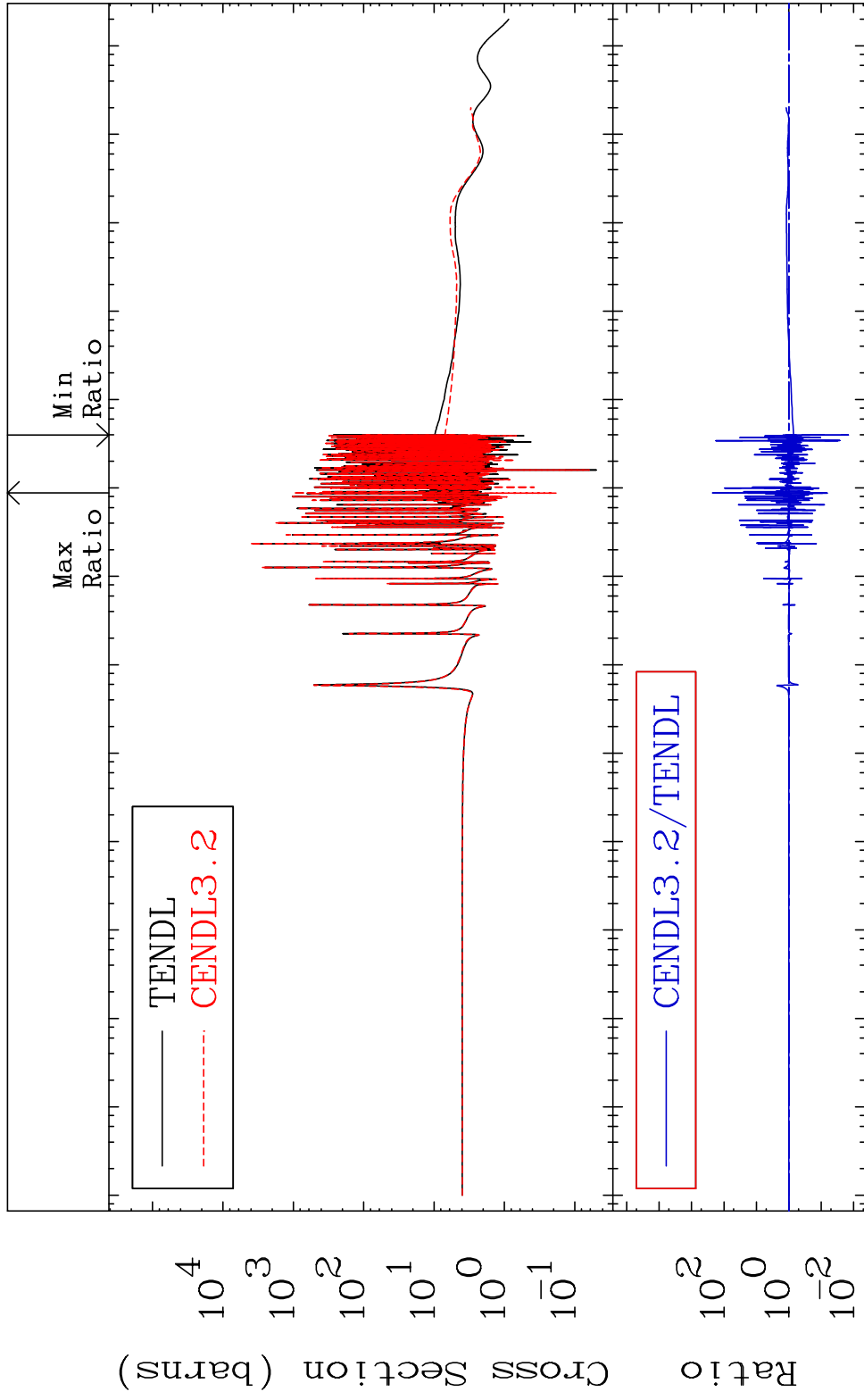
1 Incident Energy (eV) 55-Cs-133

MAT 5525

Elastic

55-Cs-133

Cross Section -98.54 To 9999. %

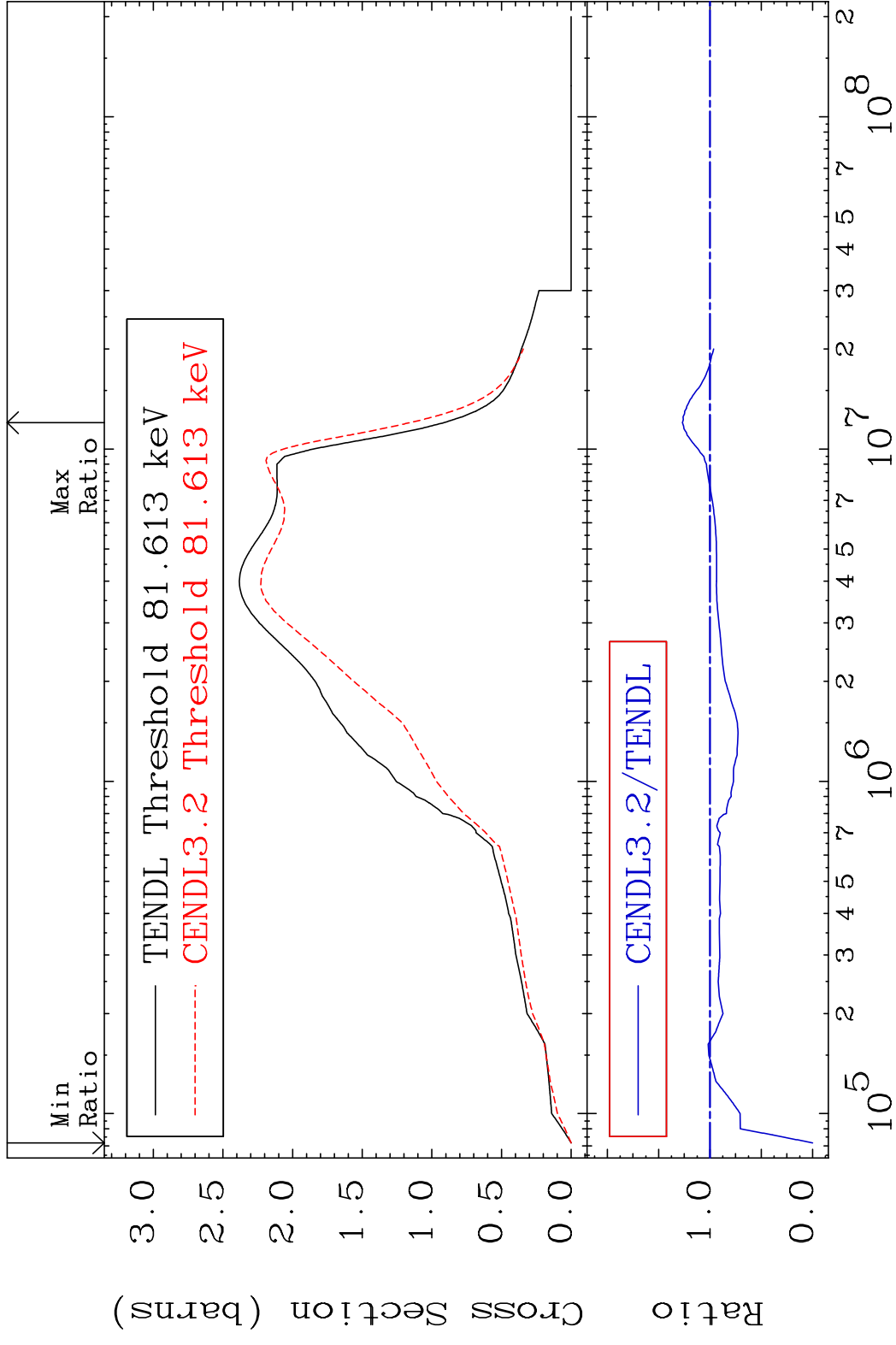


2

Incident Energy (eV)

55-Cs-133

MAT 5525 Inelastic 55-Cs-133  
 Cross Section -100.0 To 26.88 %



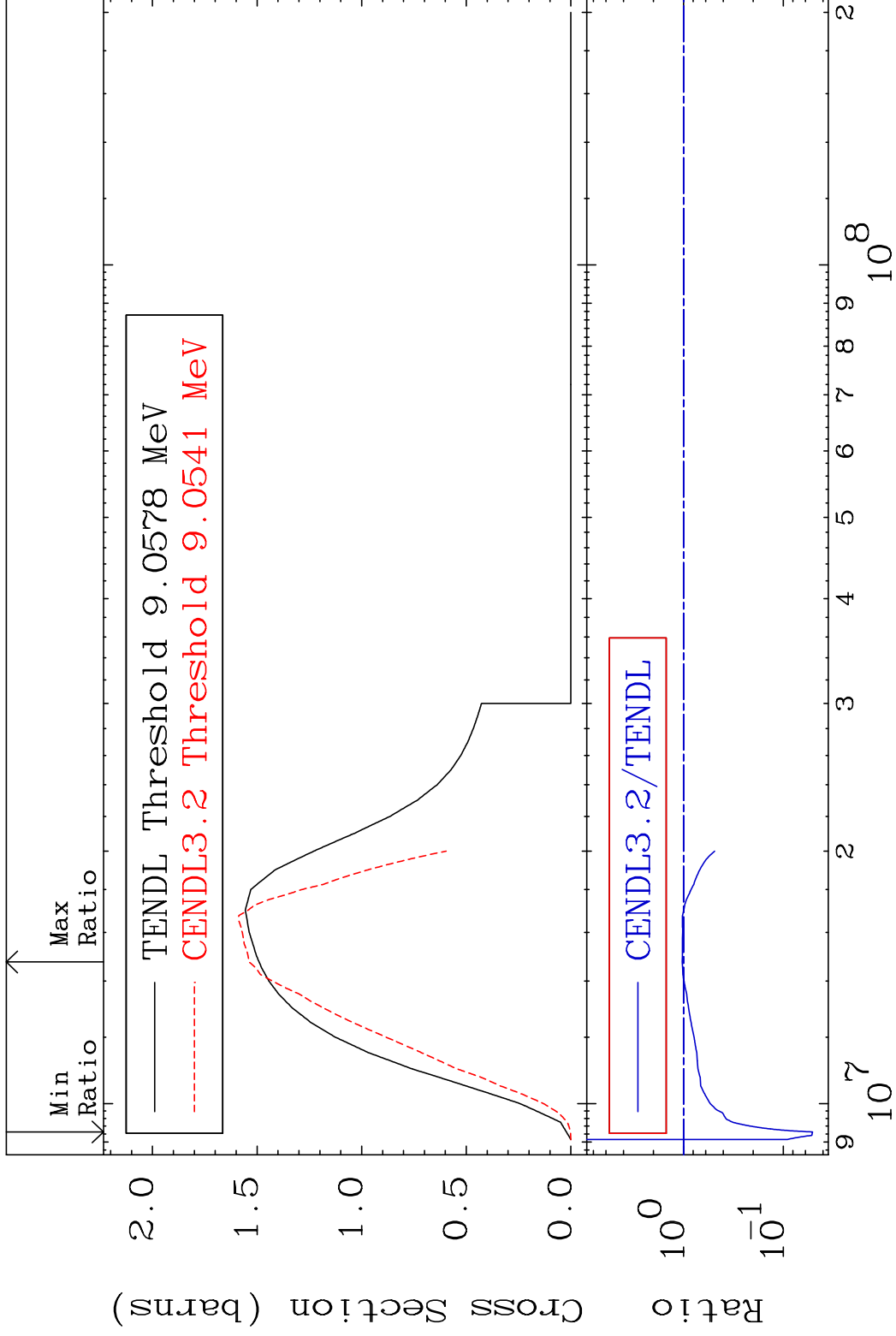
3 3 Incident Energy (eV) 55-Cs-133

MAT 5525

(n,2n)

55-Cs-133

Cross Section -94.90 To 3.186 %



4

Incident Energy (eV)

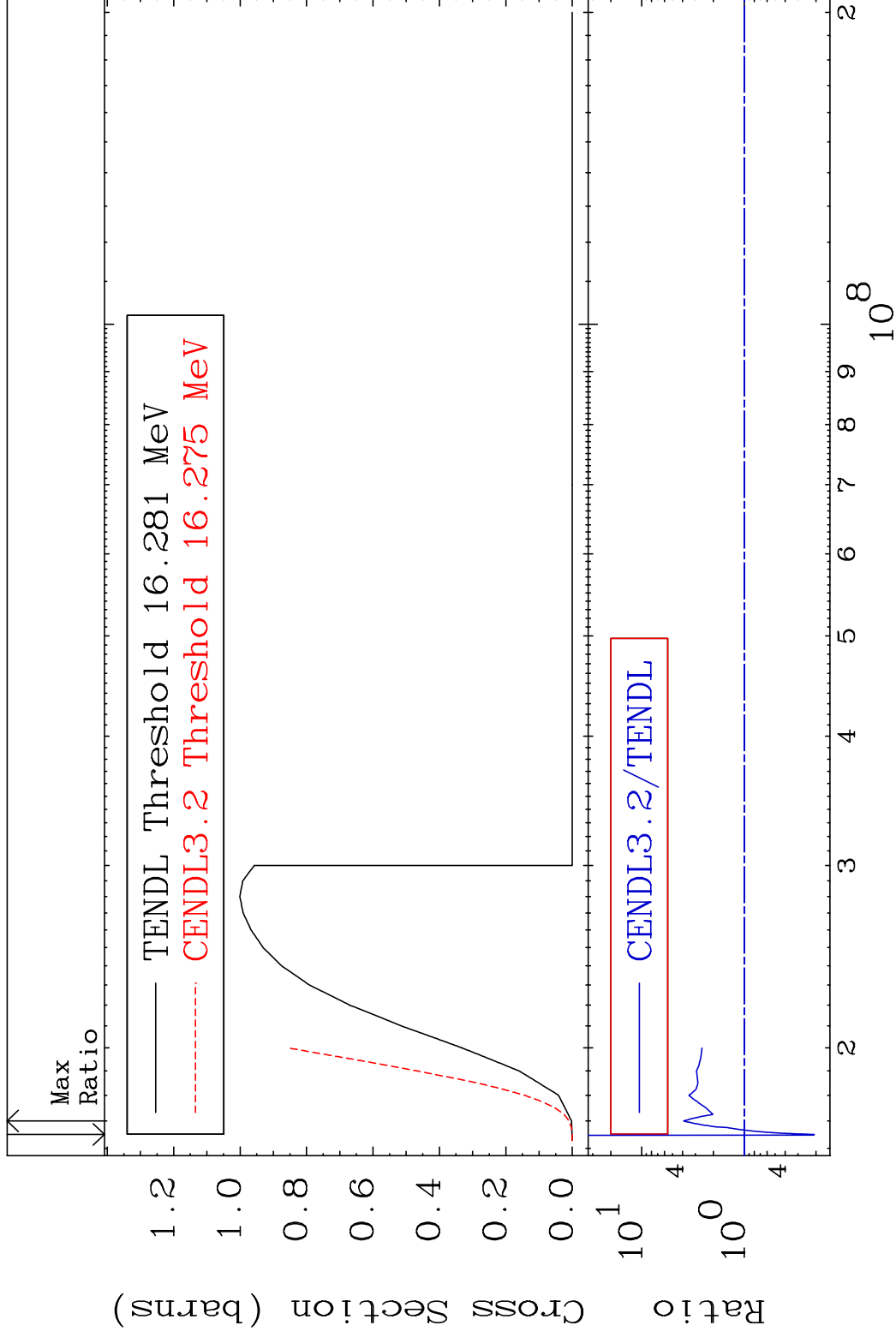
55-Cs-133

MAT 5525

(n,3n)

55-Cs-133

Cross Section -79.11 To 289.6 %



5

Incident Energy (eV)

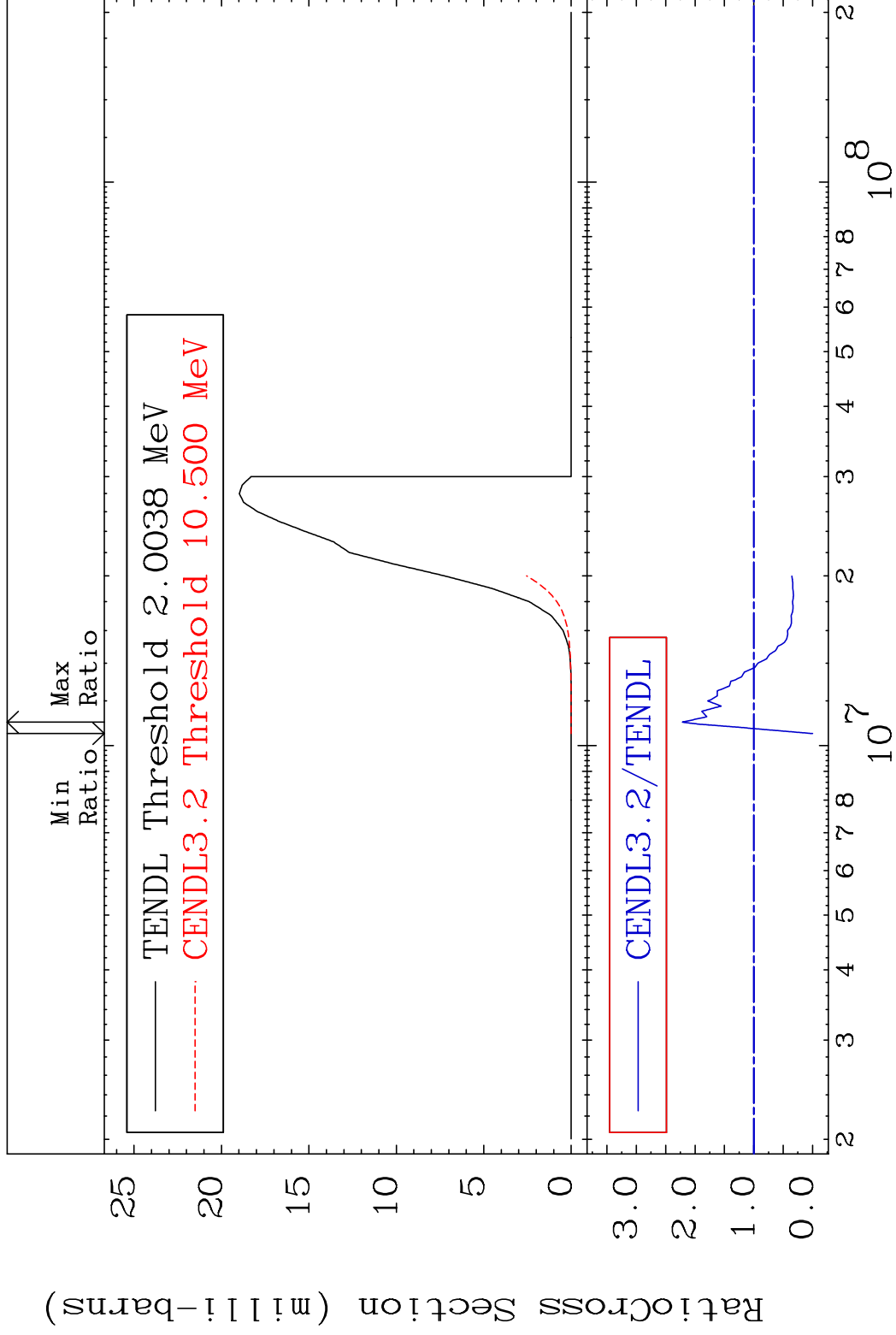
55-Cs-133

MAT 5525

(n, n')  $\alpha$

55-Cs-133

Cross Section -100.0 To 121.6 %



6

Incident Energy (eV)

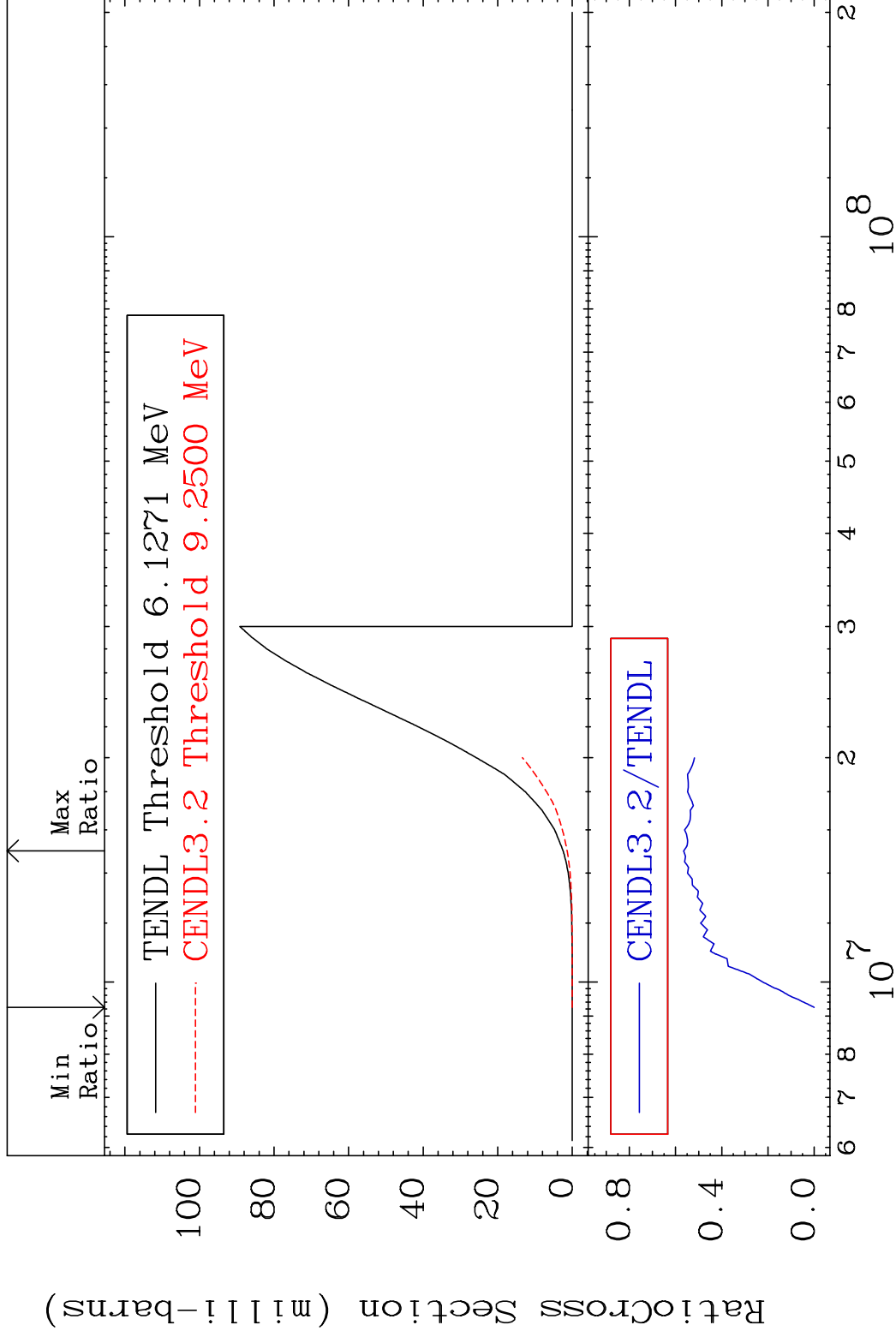
55-Cs-133

MAT 5525

55-Cs-133

(n,n') p

Cross Section -100.0 To -43.50%



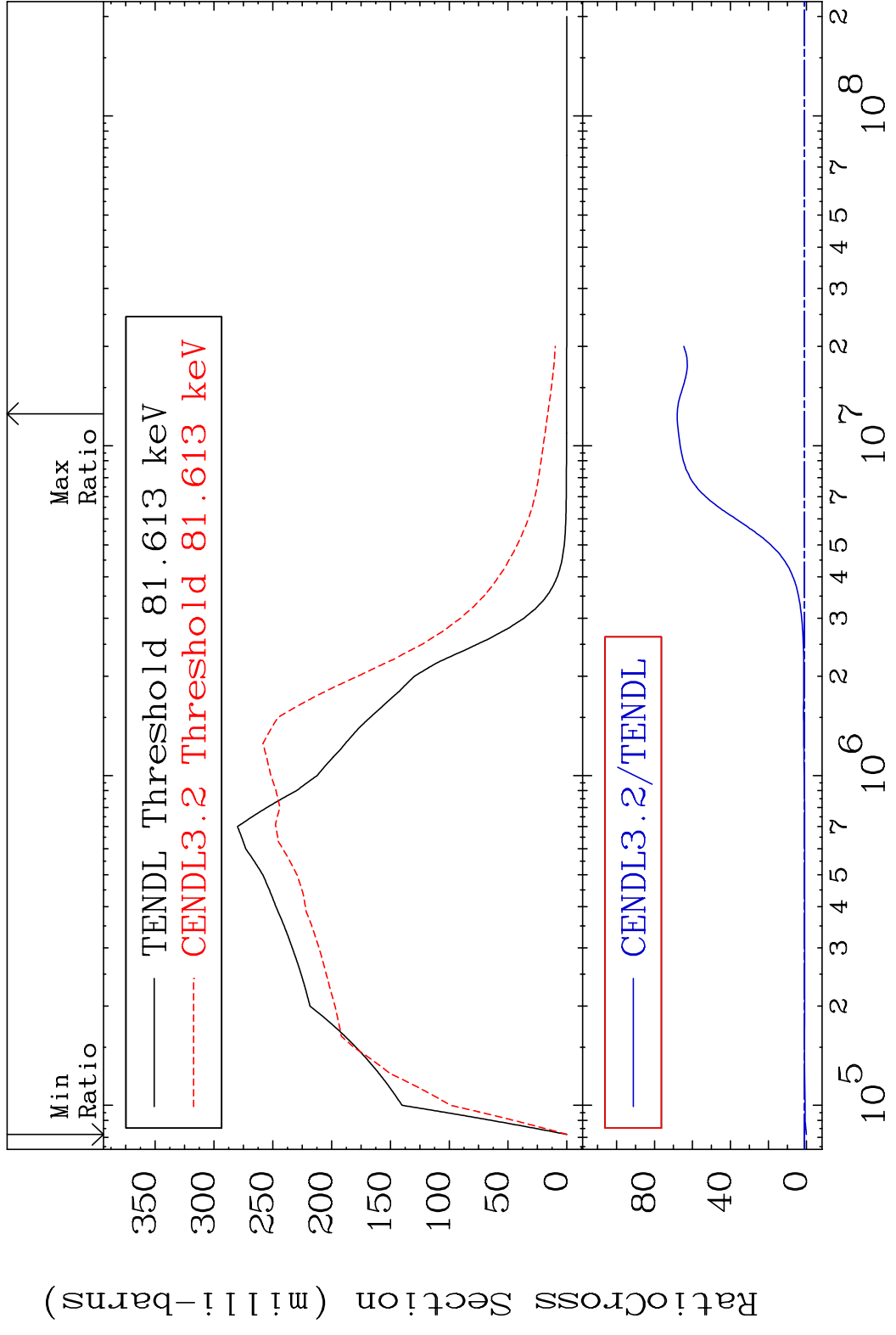
7

Incident Energy (eV)

55-Cs-133

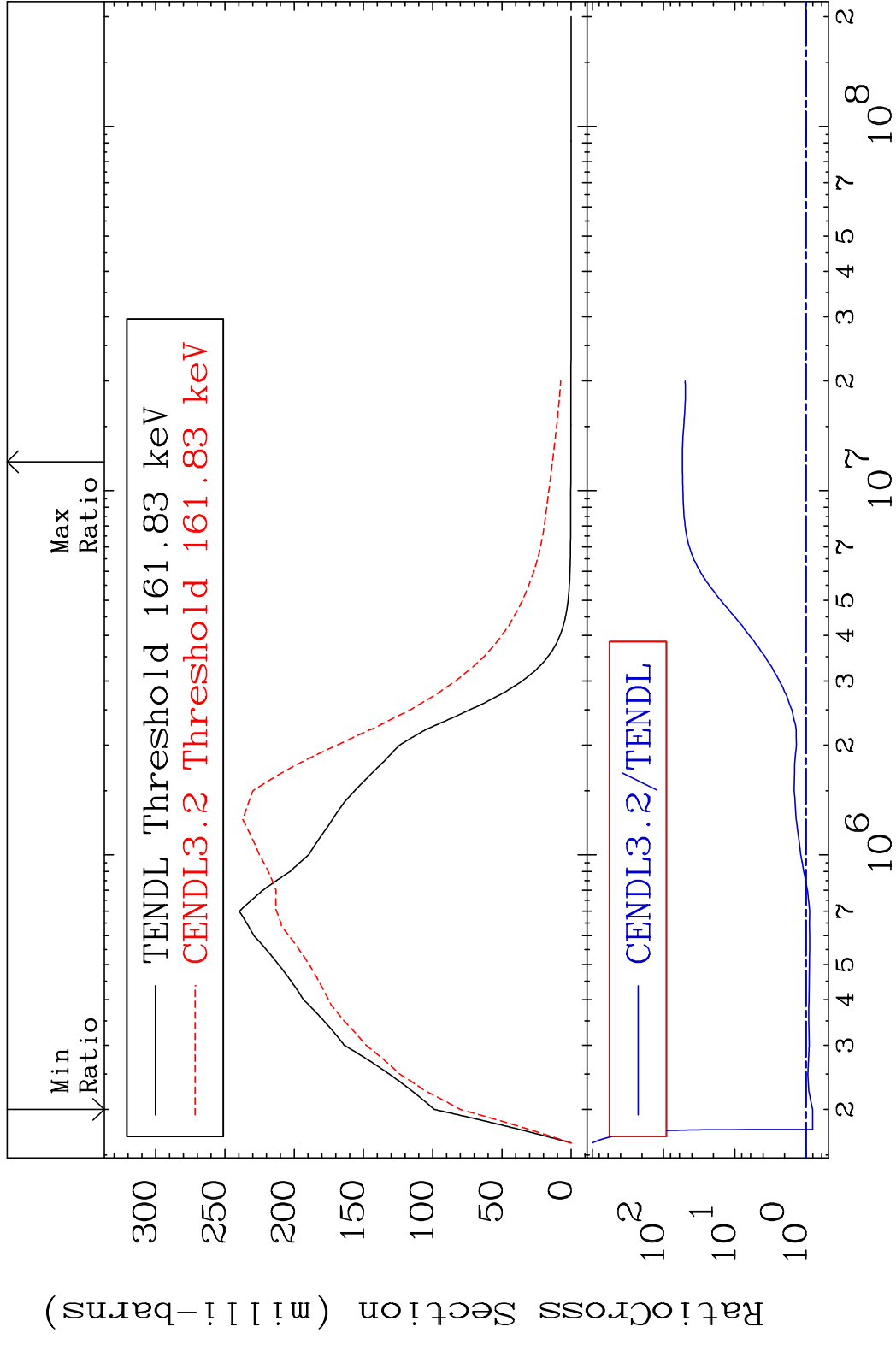


MAT 5525 MT= 51 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 6705. %

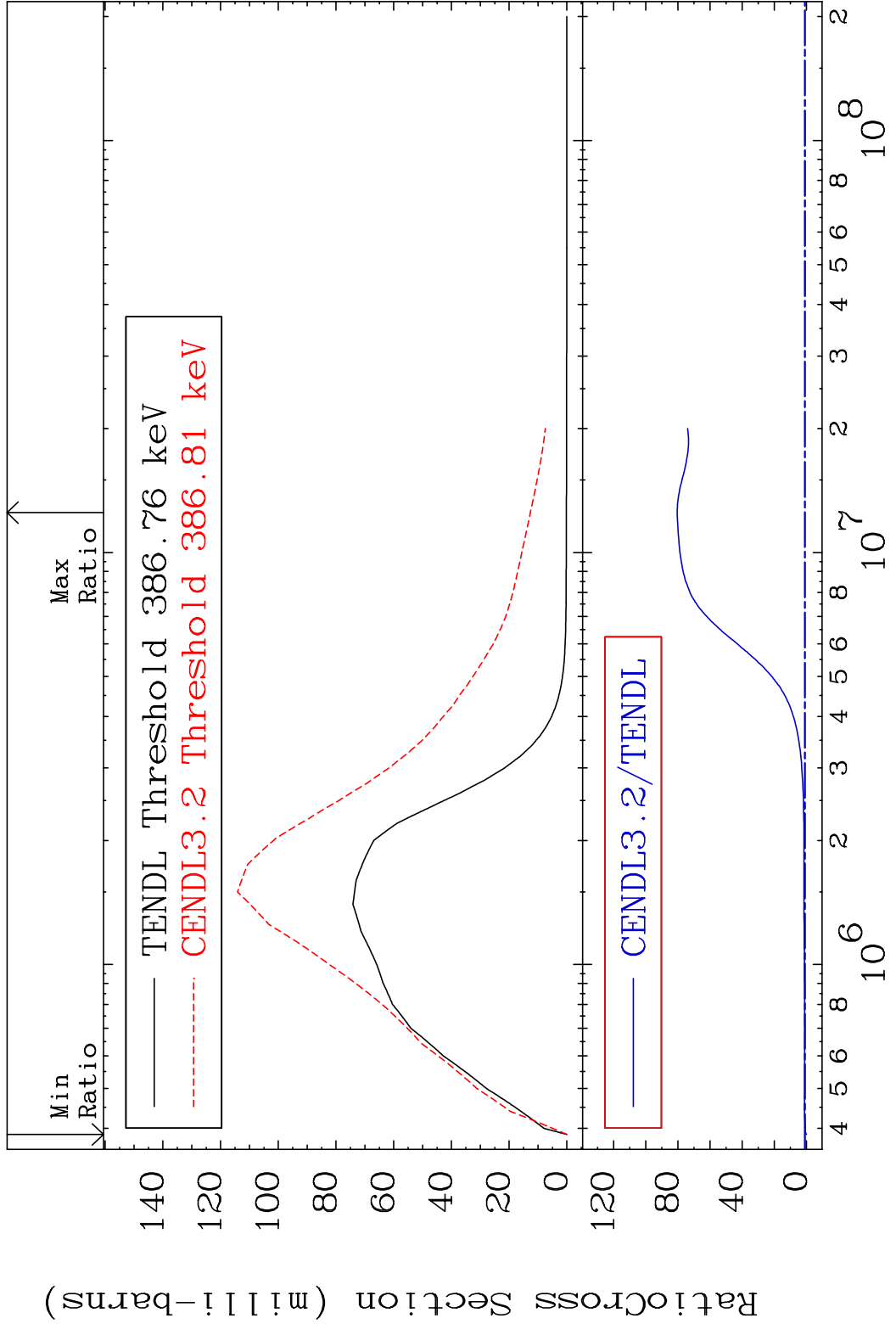


8 8 Incident Energy (eV) 55-Cs-133

MAT 5525 MT= 52 (n, n') Level 55-Cs-133  
 Cross Section -19.01 To 5345. %

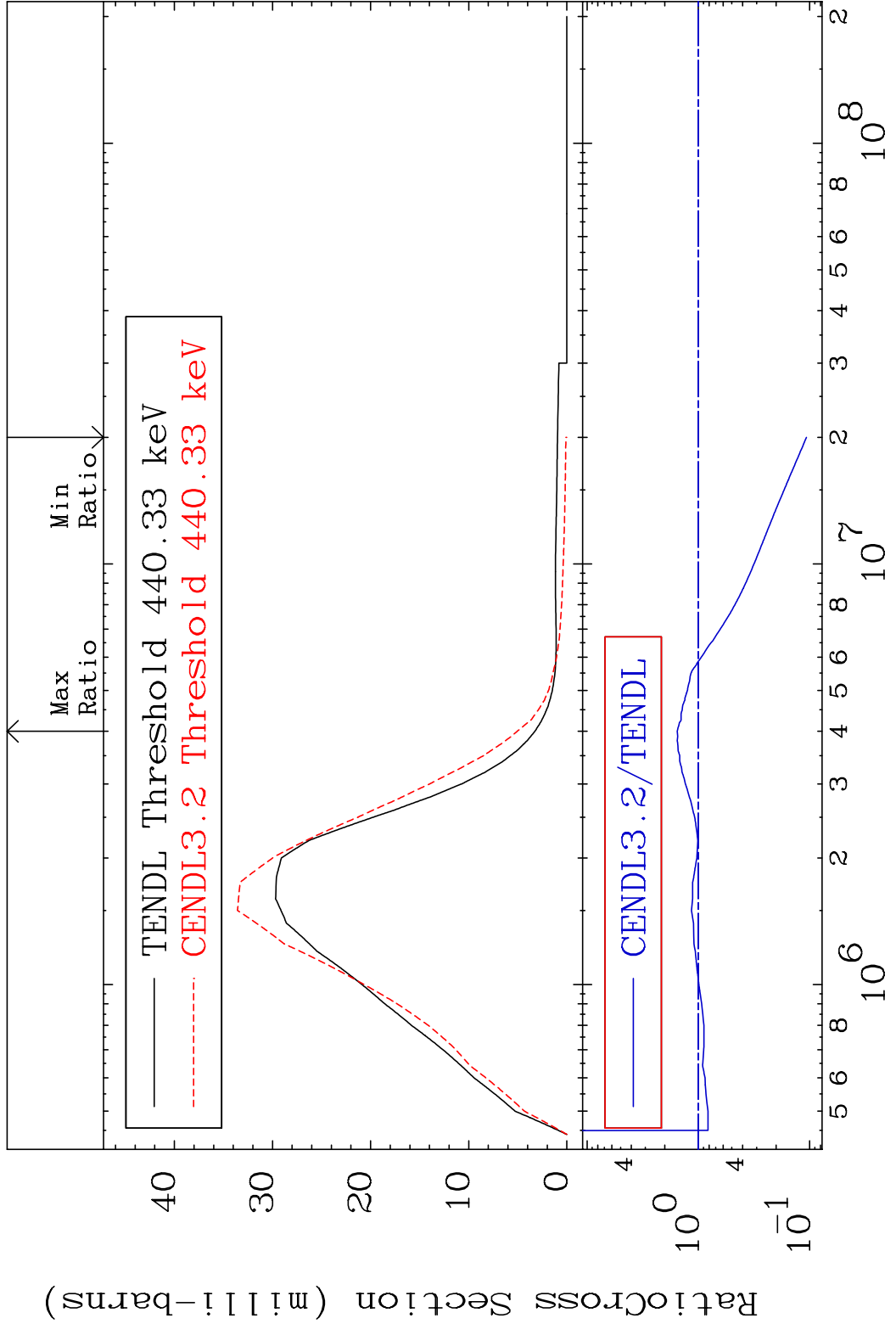


MAT 5525 MT= 53 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 7946. %

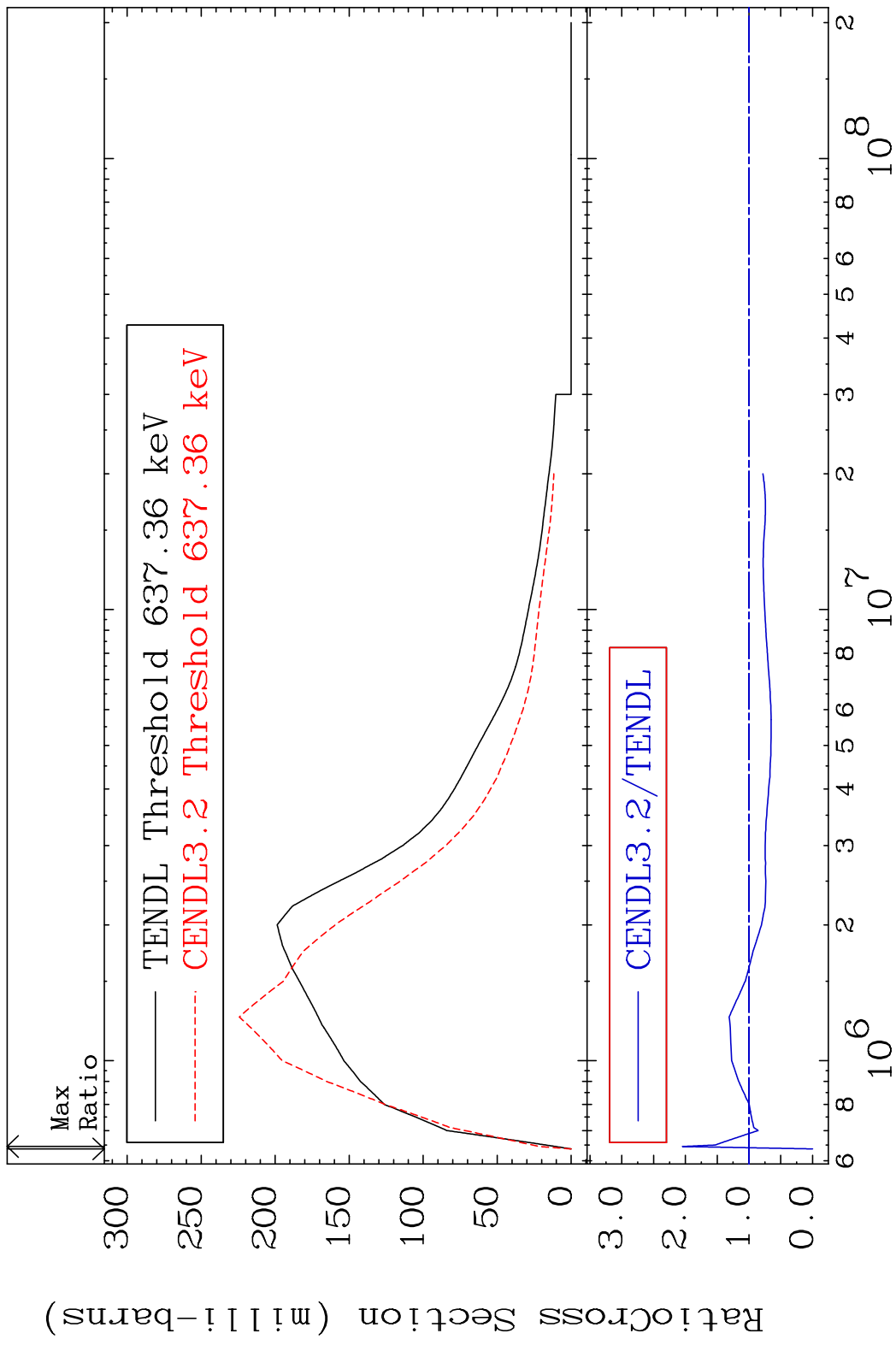


10 Incident Energy (eV) 55-Cs-133

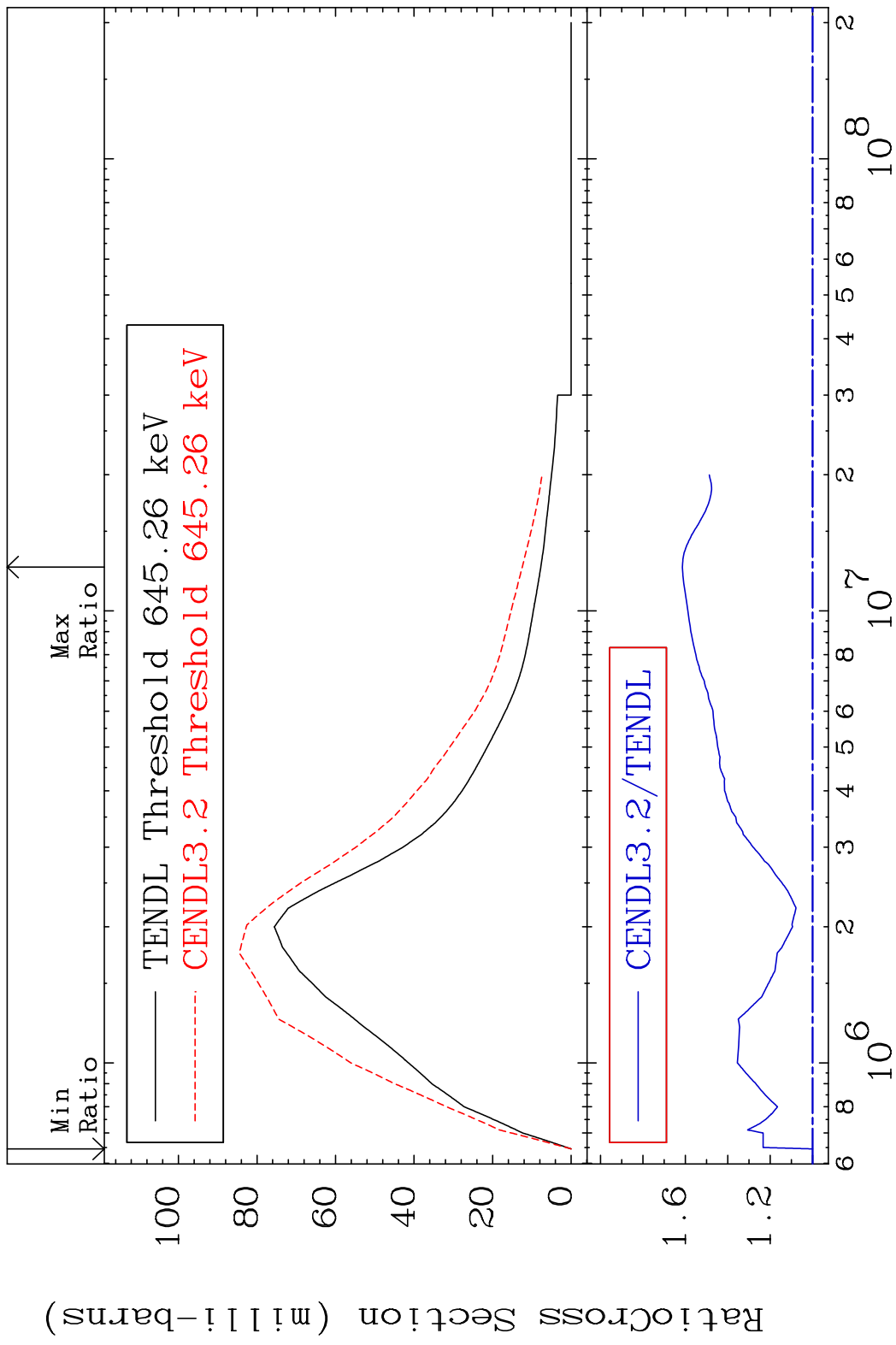
MAT 5525 MT= 54 (n, n') Level 55-Cs-133  
 Cross Section -89.30 To 54.98 %



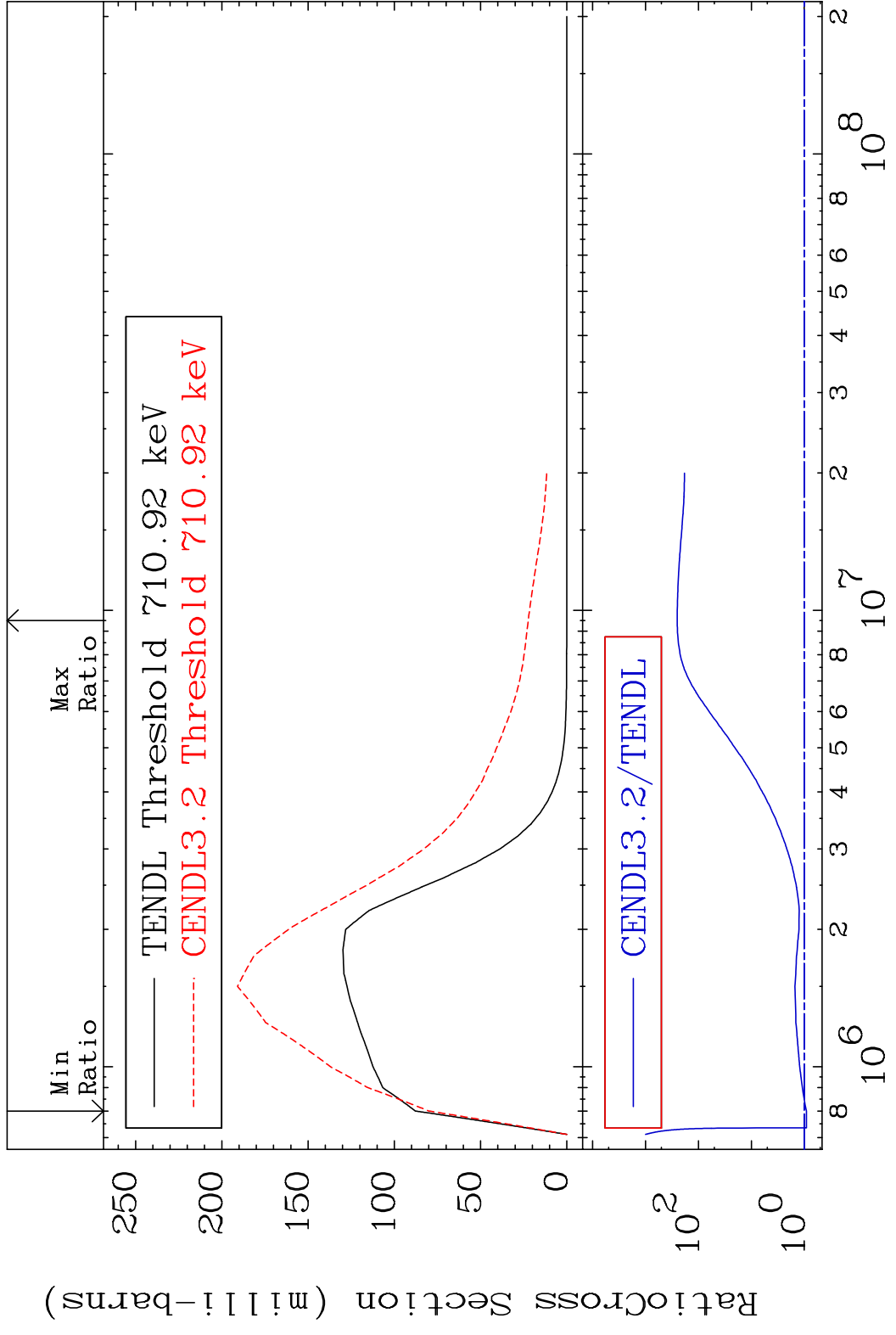
MAT 5525 MT= 55 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 104.8 %



MAT 5525 MT= 56 (n, n') Level 55-Cs-133  
 Cross Section 0.000 To 61.42 %



MAT 5525 MT= 57 (n,n') Level 55-Cs-133  
 Cross Section -8.918 To 9999. %

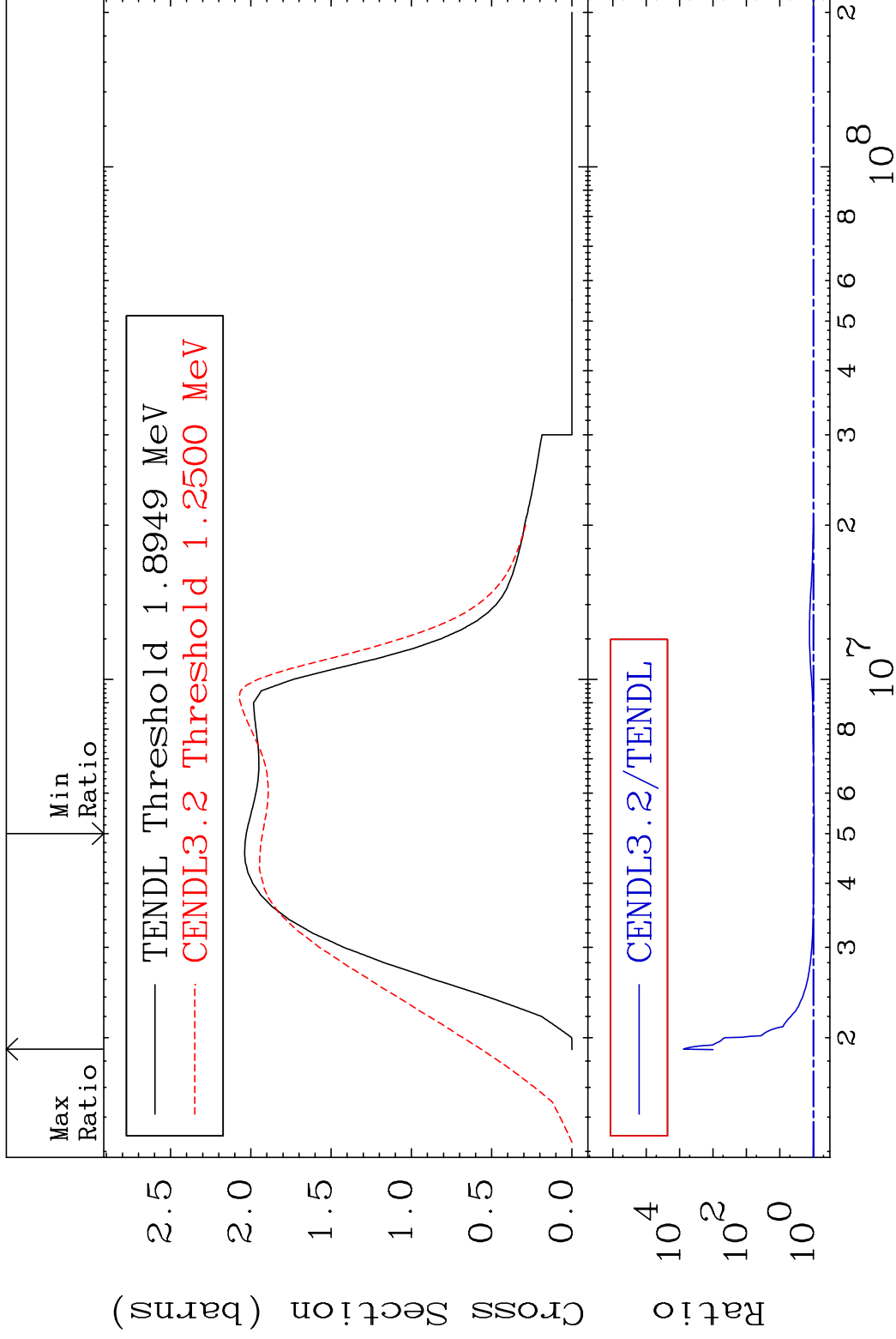


MAT 5525

(n, n') Continuum

55-Cs-133

Cross Section -4.966 To 9999. %



15

Incident Energy (eV)

55-Cs-133

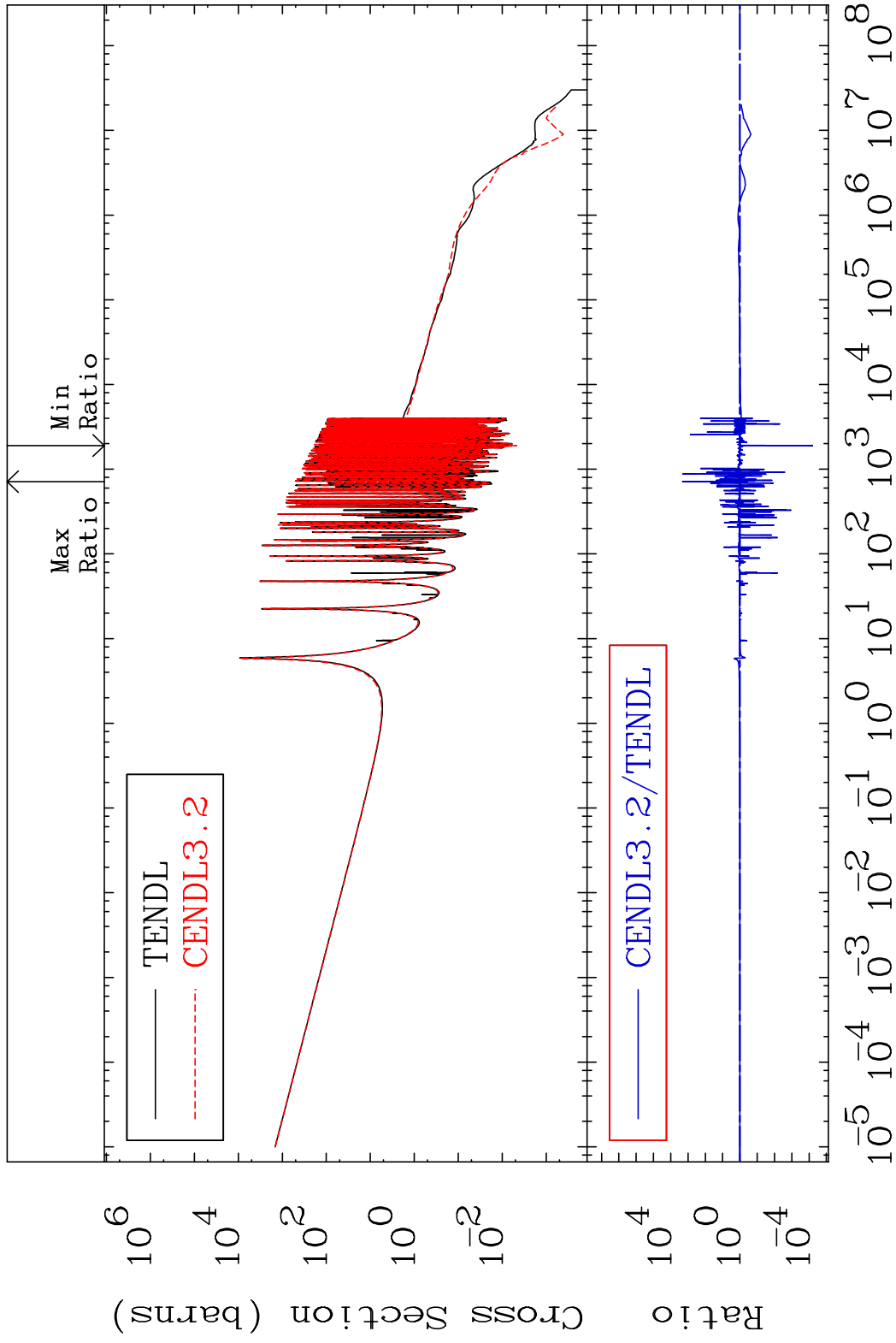


MAT 5525

(n,  $\gamma$ )

55-Cs-133

Cross Section -99.99 To 9999. %



16

Incident Energy (eV)

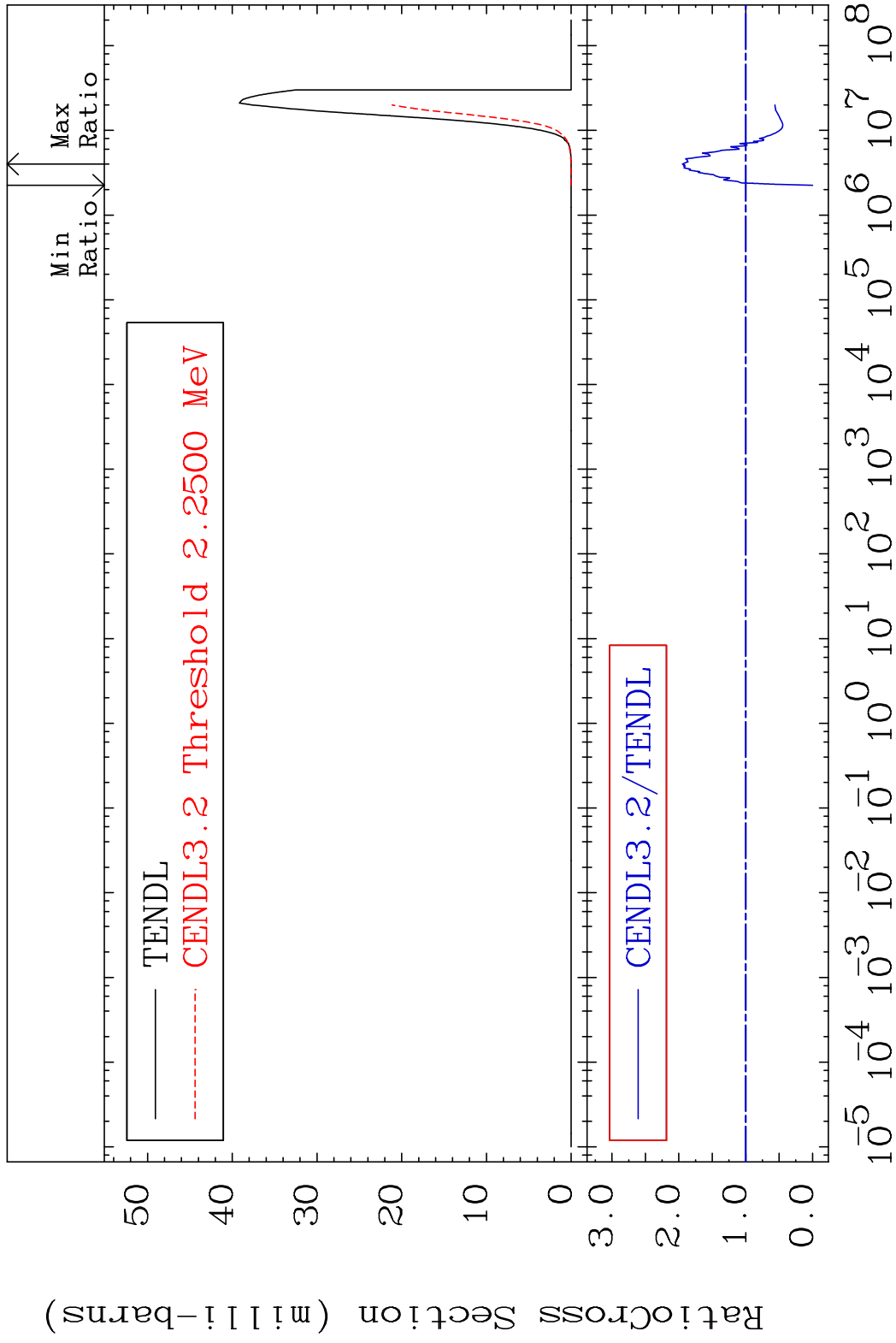
55-Cs-133

MAT 5525

(n, p)

55-Cs-133

Cross Section -100.0 To 94.76 %



17

Incident Energy (eV)

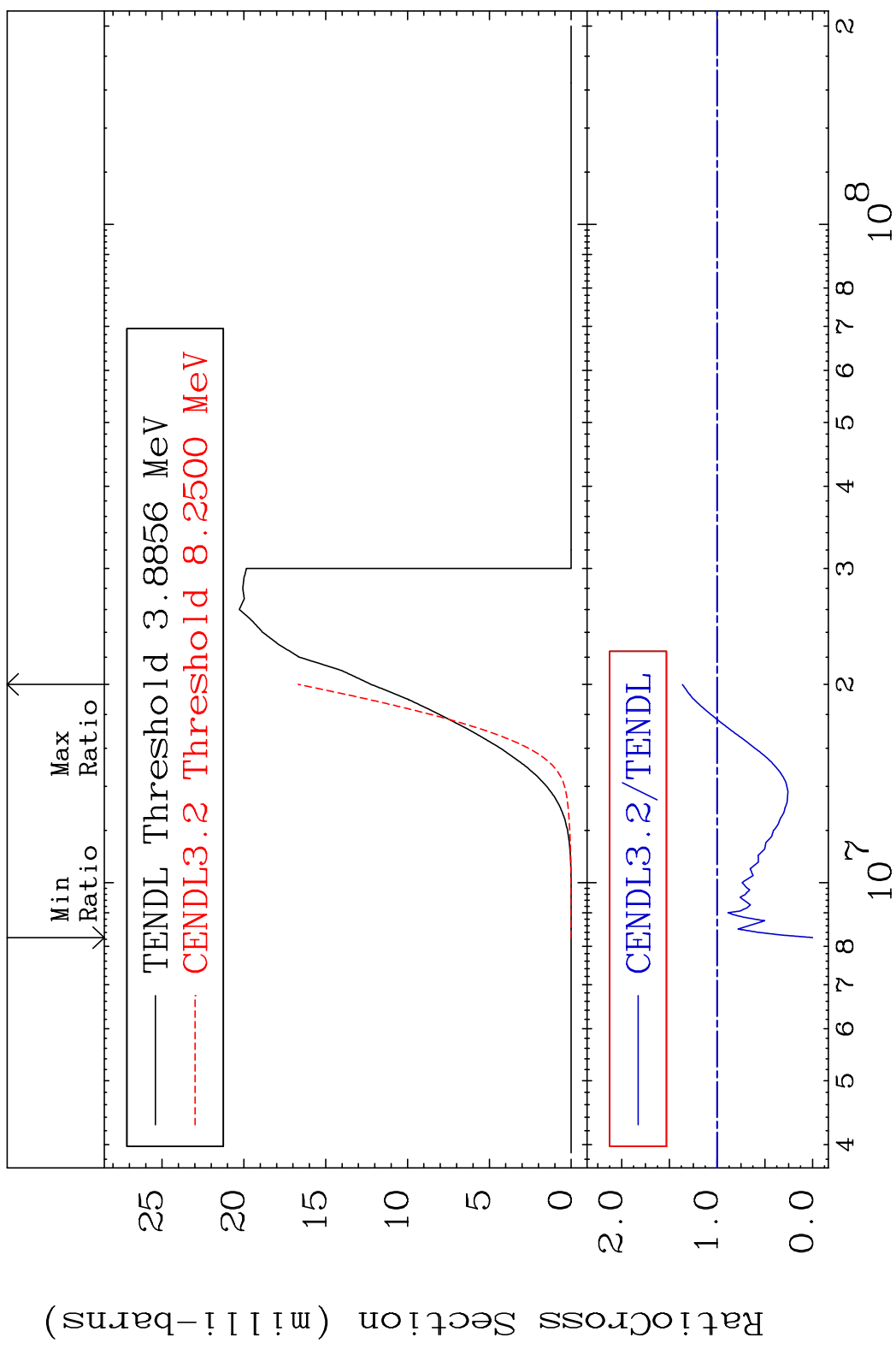
55-Cs-133

MAT 5525

(n,d)

55-Cs-133

Cross Section -100.0 To 36.43 %



18

Incident Energy (eV)

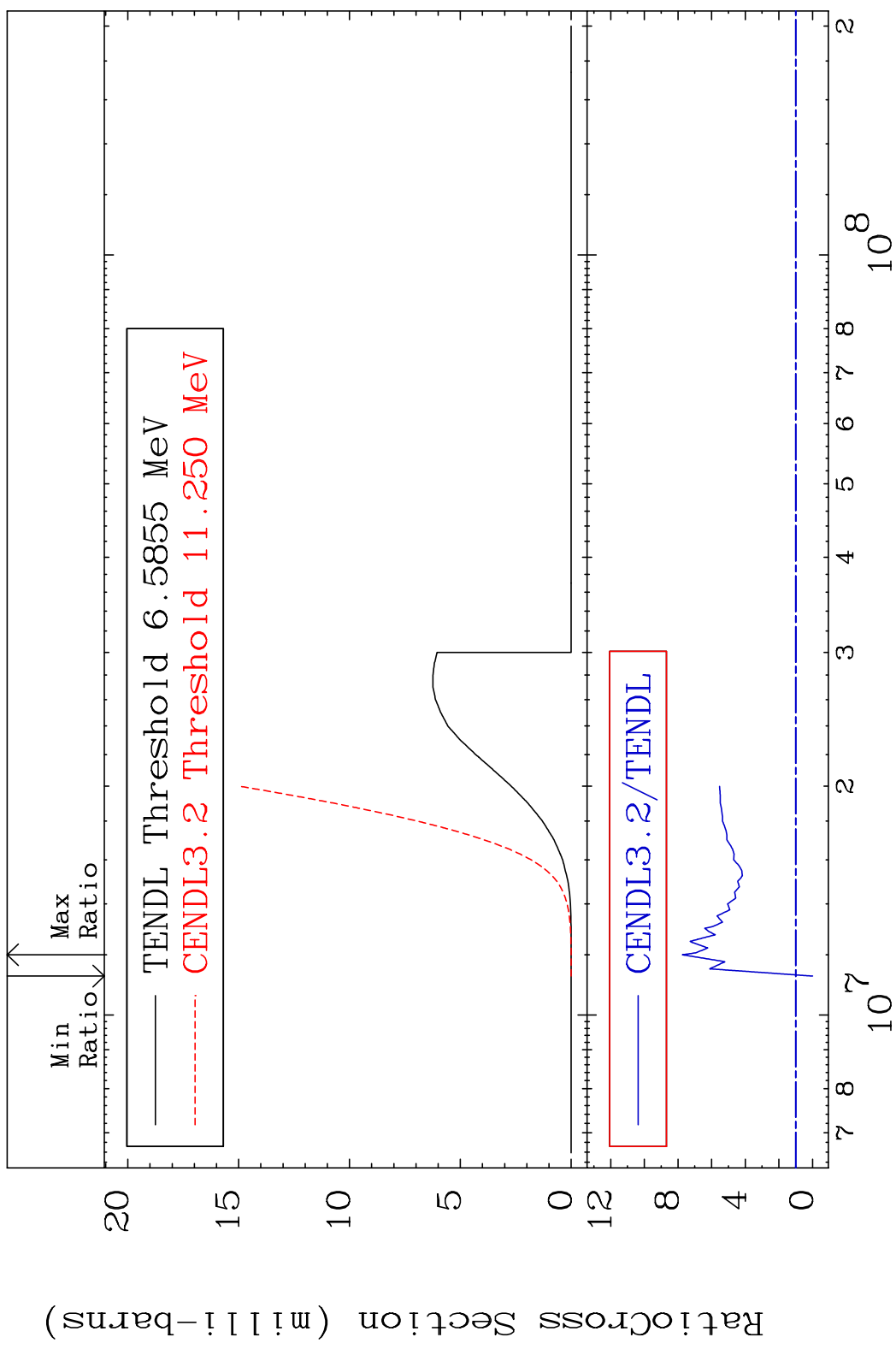
55-Cs-133

MAT 5525

(n, t)

55-Cs-133

Cross Section -100.0 To 674.0 %

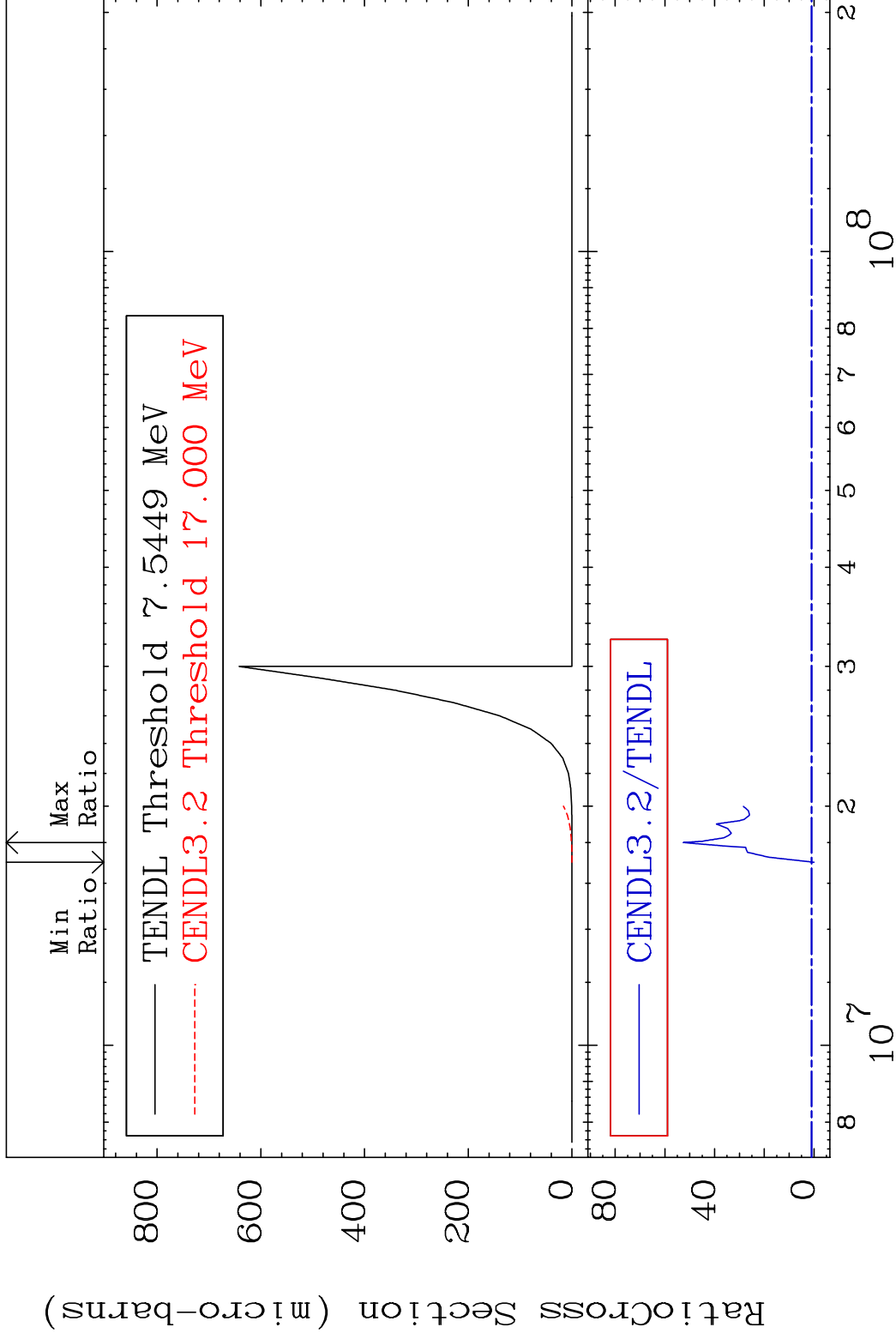


MAT 5525

(n, He-3)

55-Cs-133

Cross Section -100.0 To 5154. %



20

Incident Energy (eV)

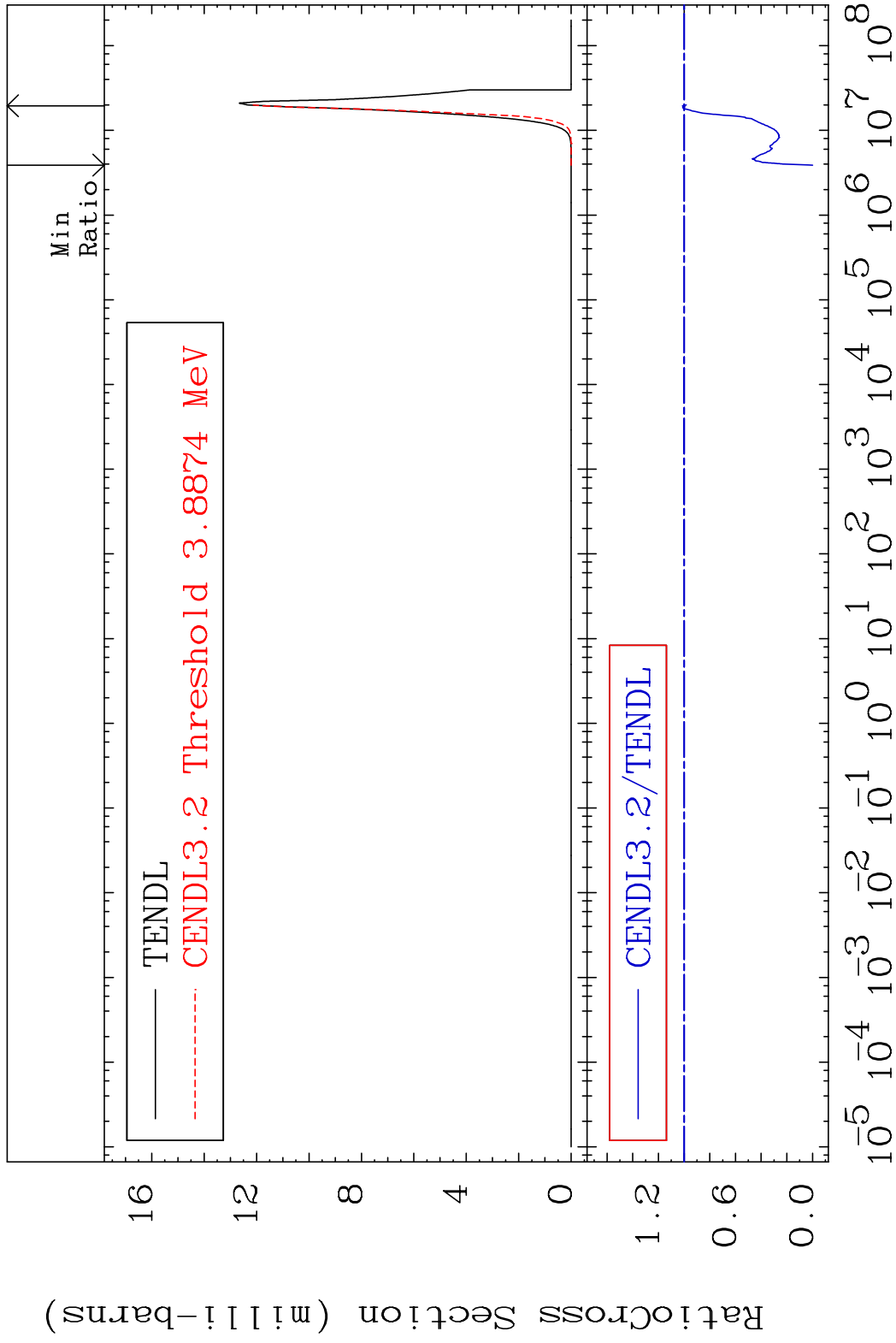
55-Cs-133

MAT 5525

(n,  $\alpha$ )

55-Cs-133

Cross Section -100.0 To 1.373 %



21

Incident Energy (eV)

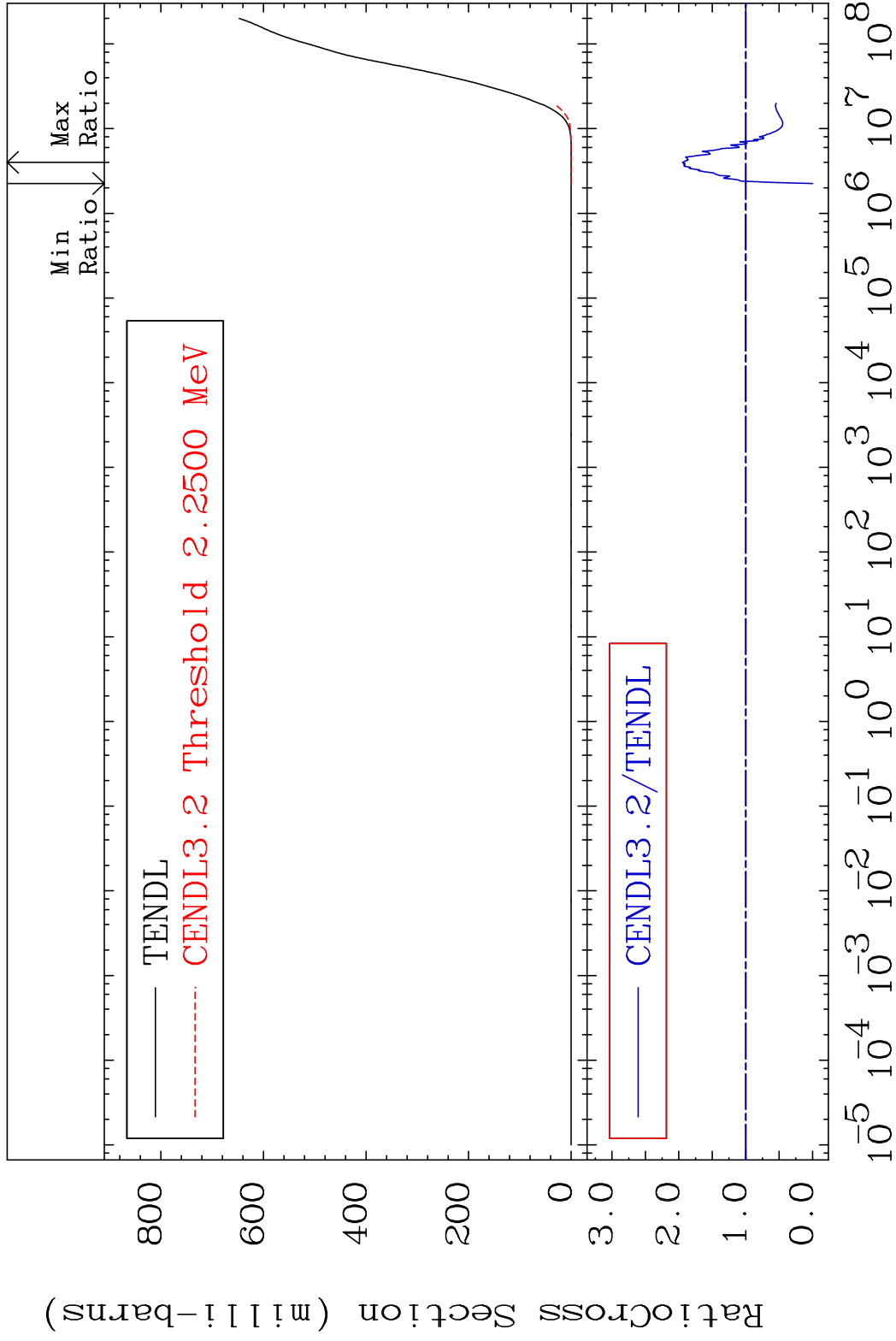
55-Cs-133

MAT 5525

Hydrogen Production

55-Cs-133

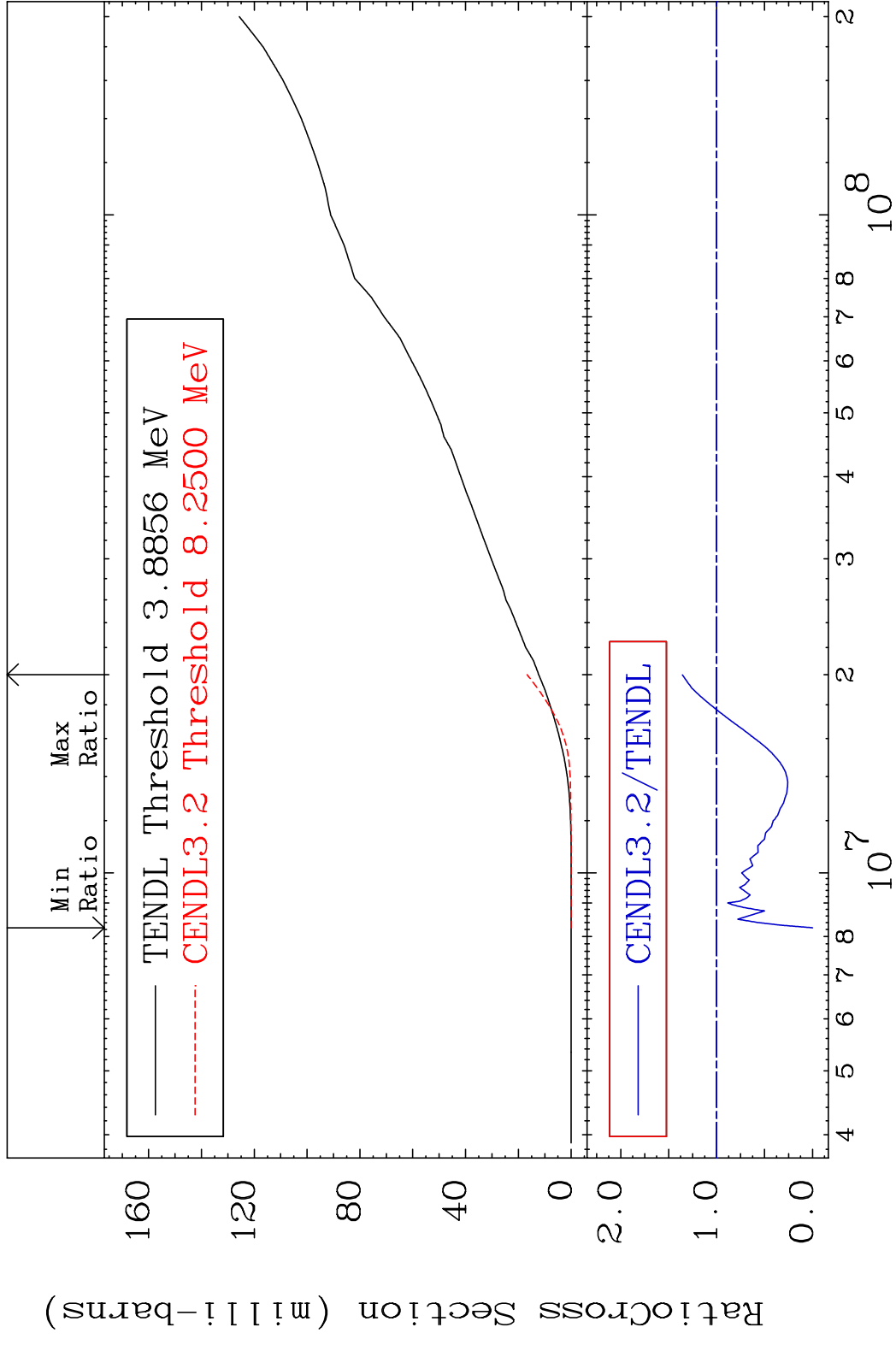
Cross Section -100.0 To 94.76 %



22

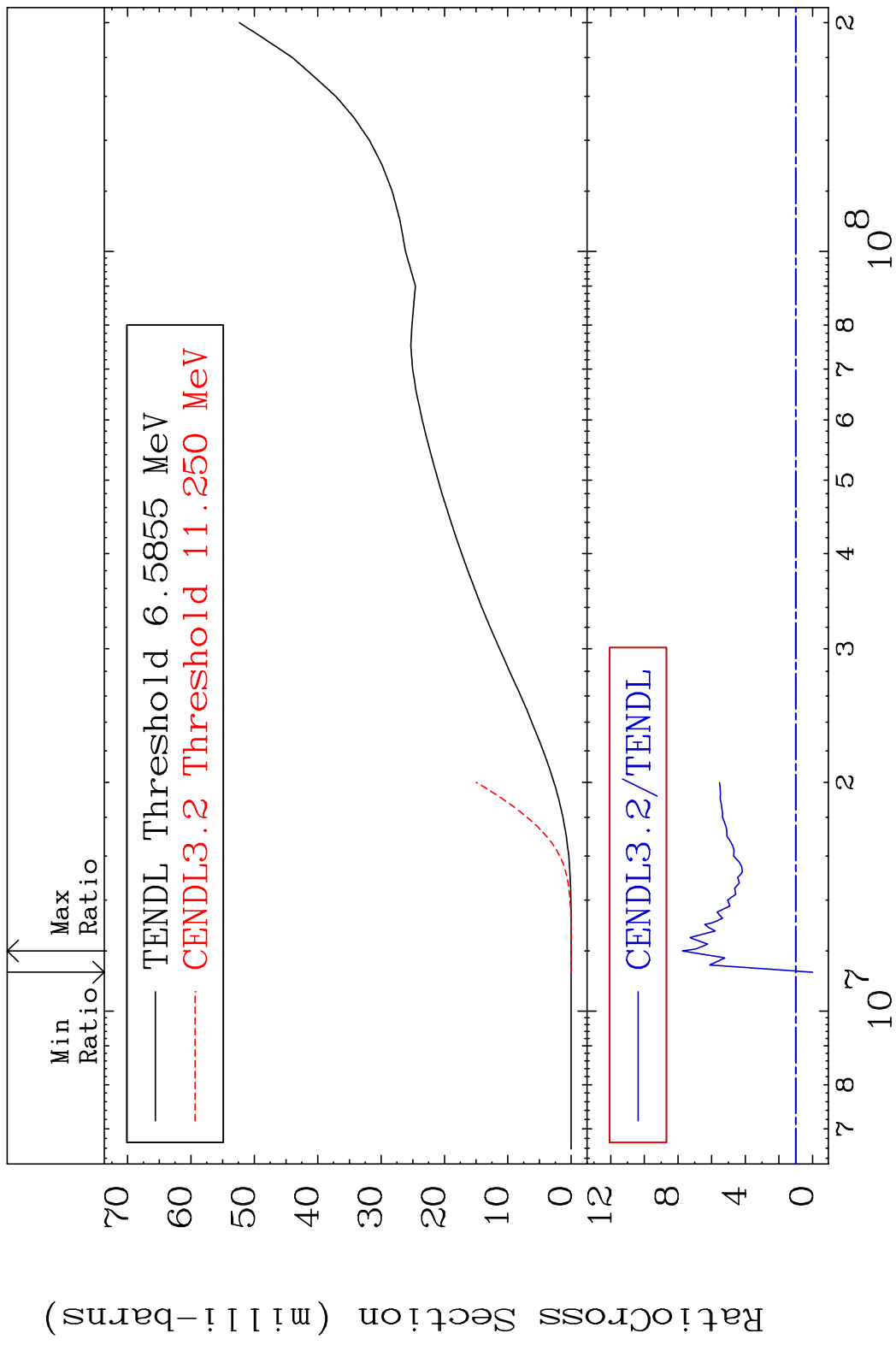
Incident Energy (eV)

55-Cs-133





MAT 5525 Tritium Production 55-Cs-133  
 Cross Section -100.0 To 674.0 %

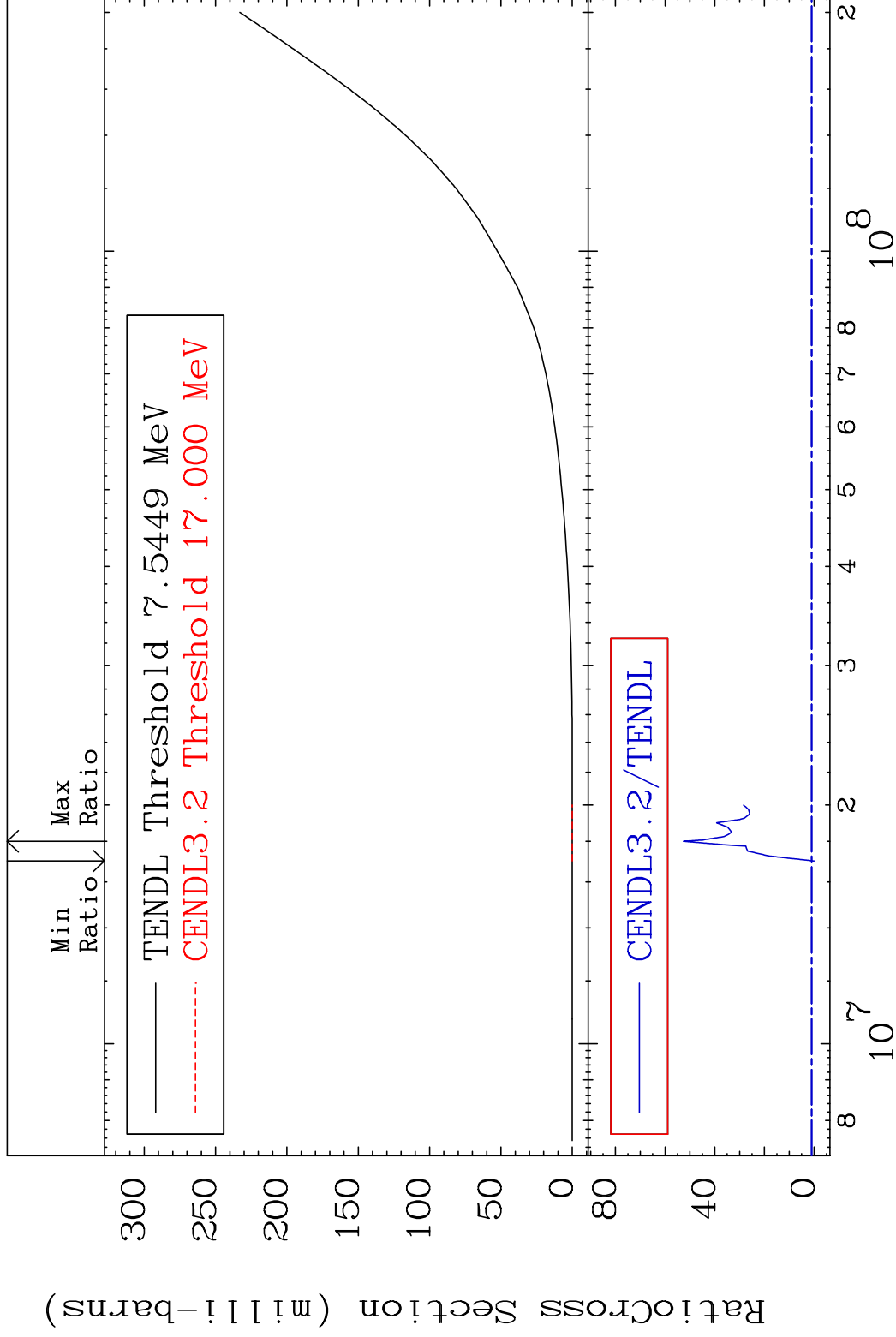


MAT 5525

He-3 Production

55-Cs-133

Cross Section -100.0 To 5154. %



25

Incident Energy (eV)

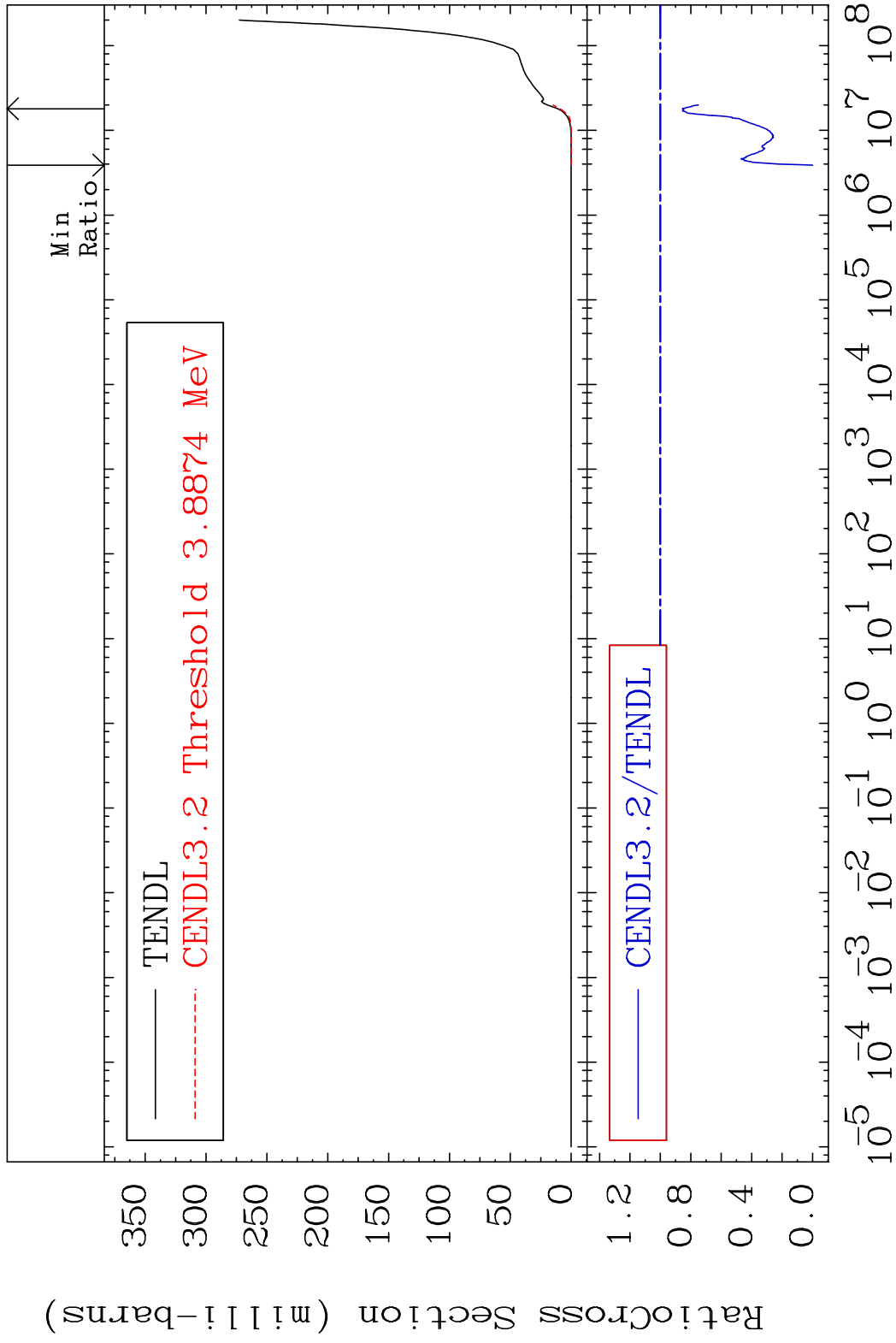
55-Cs-133

MAT 5525

He-4 Production

55-Cs-133

Cross Section -100.0 To -14.44%

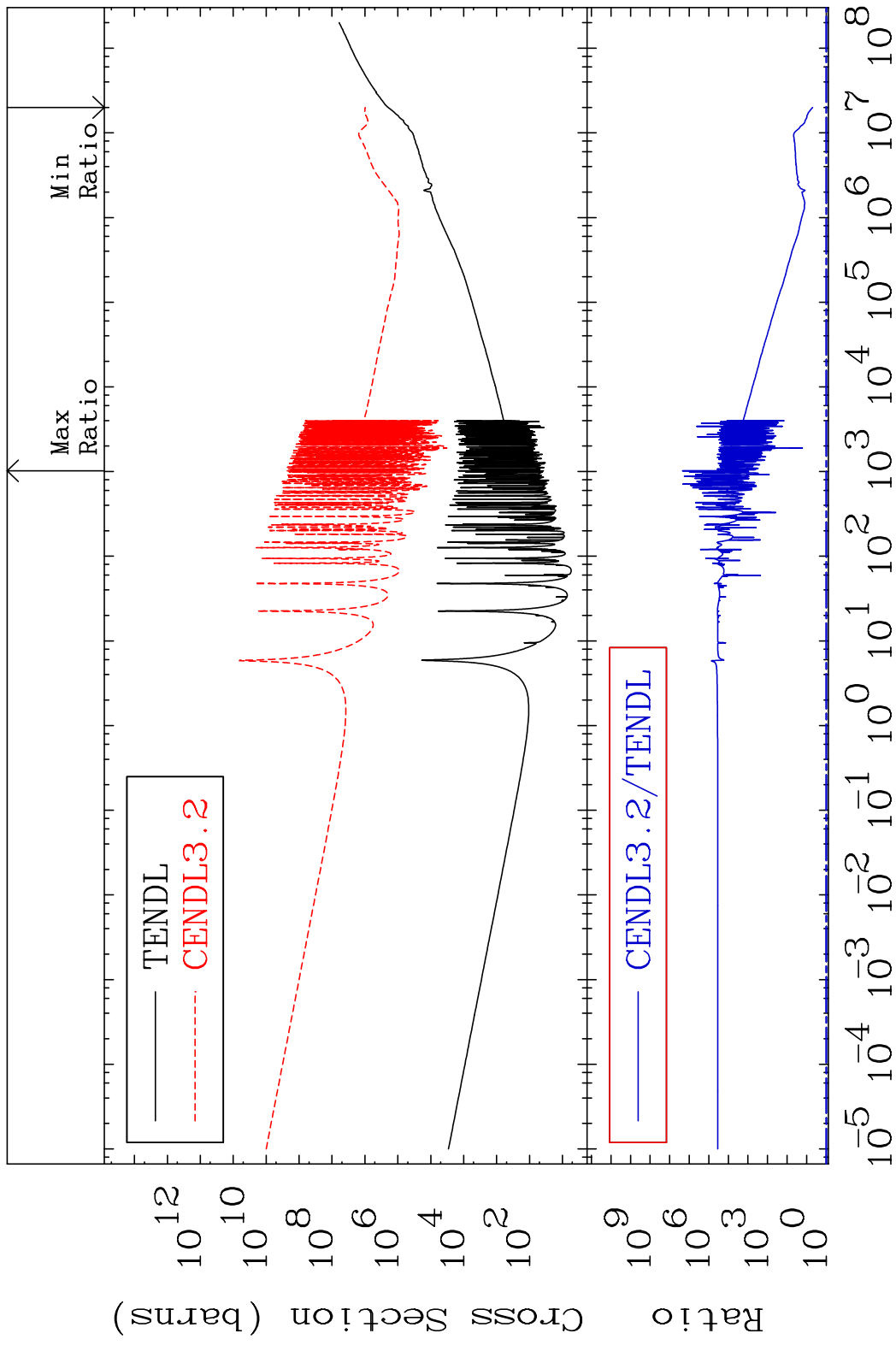


26

Incident Energy (eV)

55-Cs-133

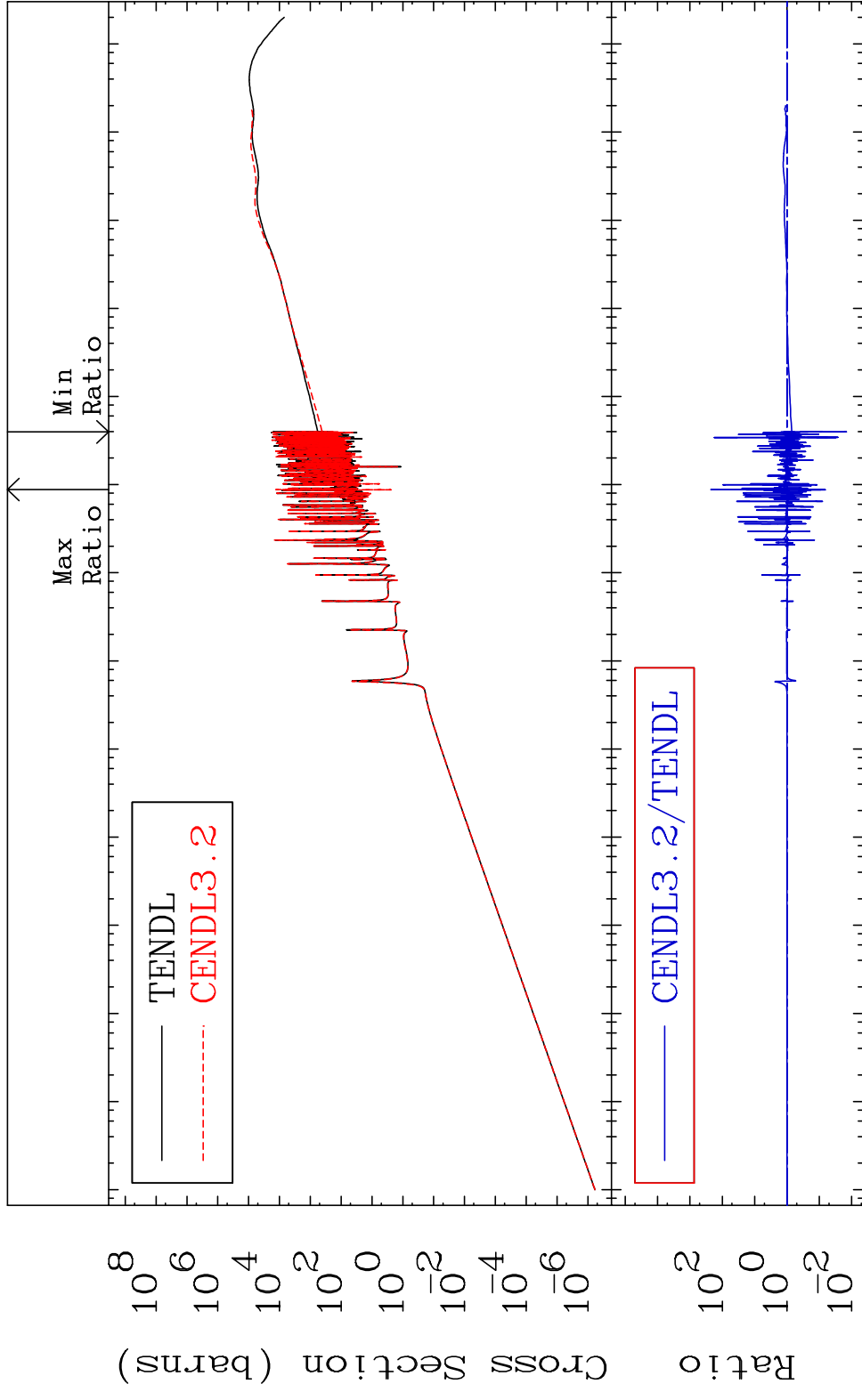
MAT 5525 Kerma total (eV-barns) 55-Cs-133  
 Cross Section 397.0 To 9999. %



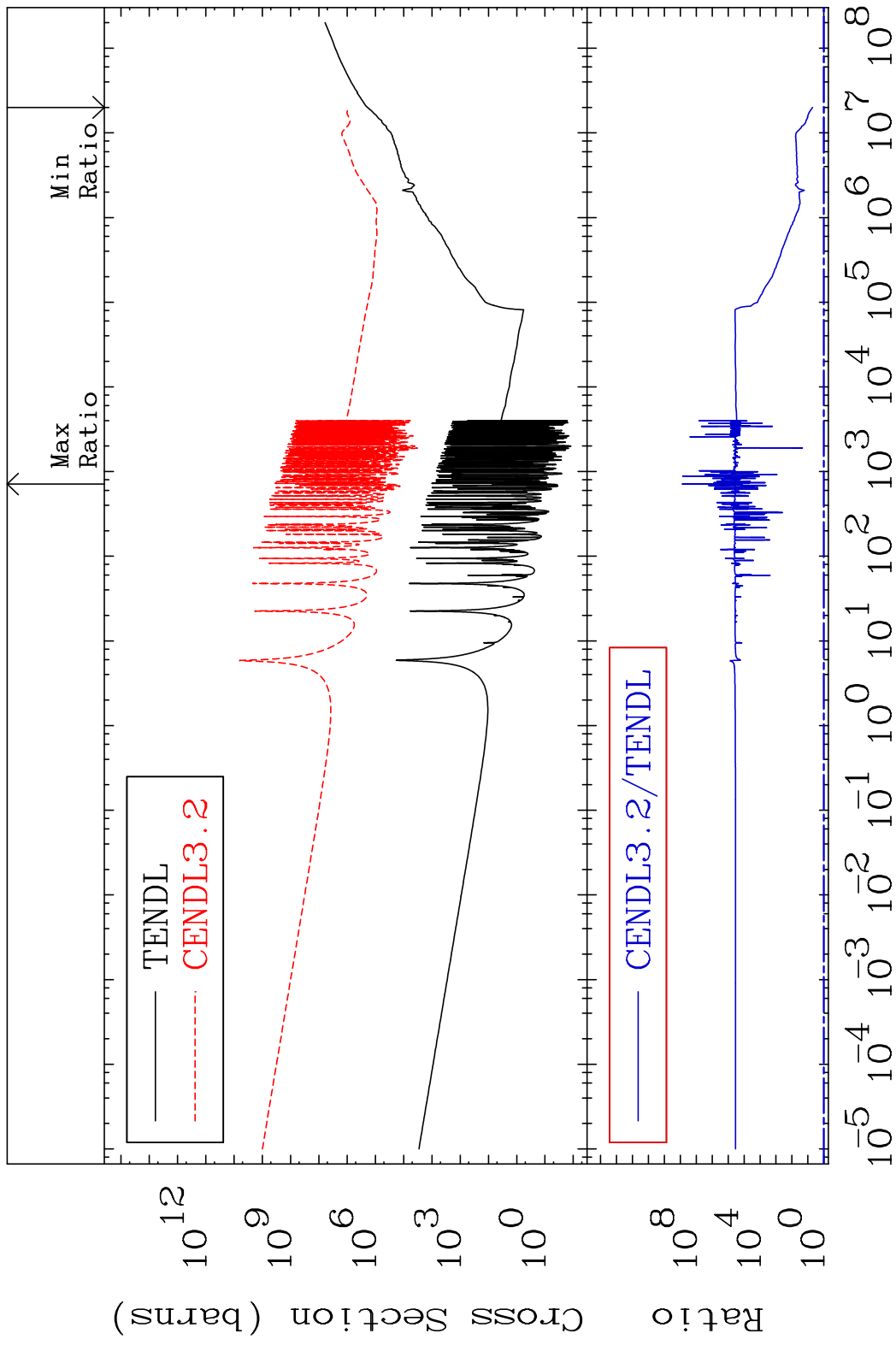
MAT 5525

Kerma elastic  
Cross Section

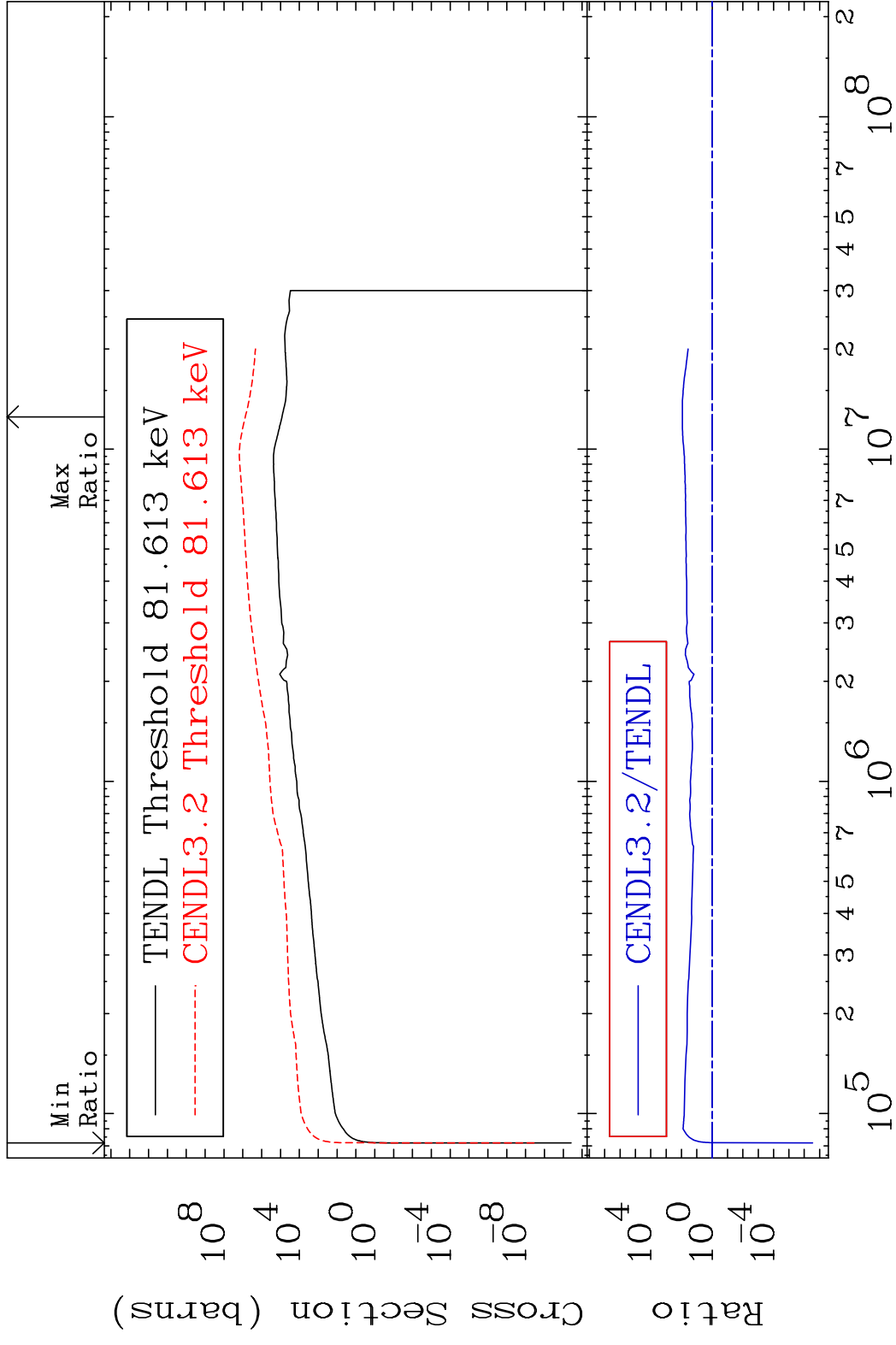
55-Cs-133  
-98.55 To 9999. %



MAT 5525 Kerma non-elastic (all but mt2) 55-Cs-133  
 Cross Section 411.8 To 9999. %

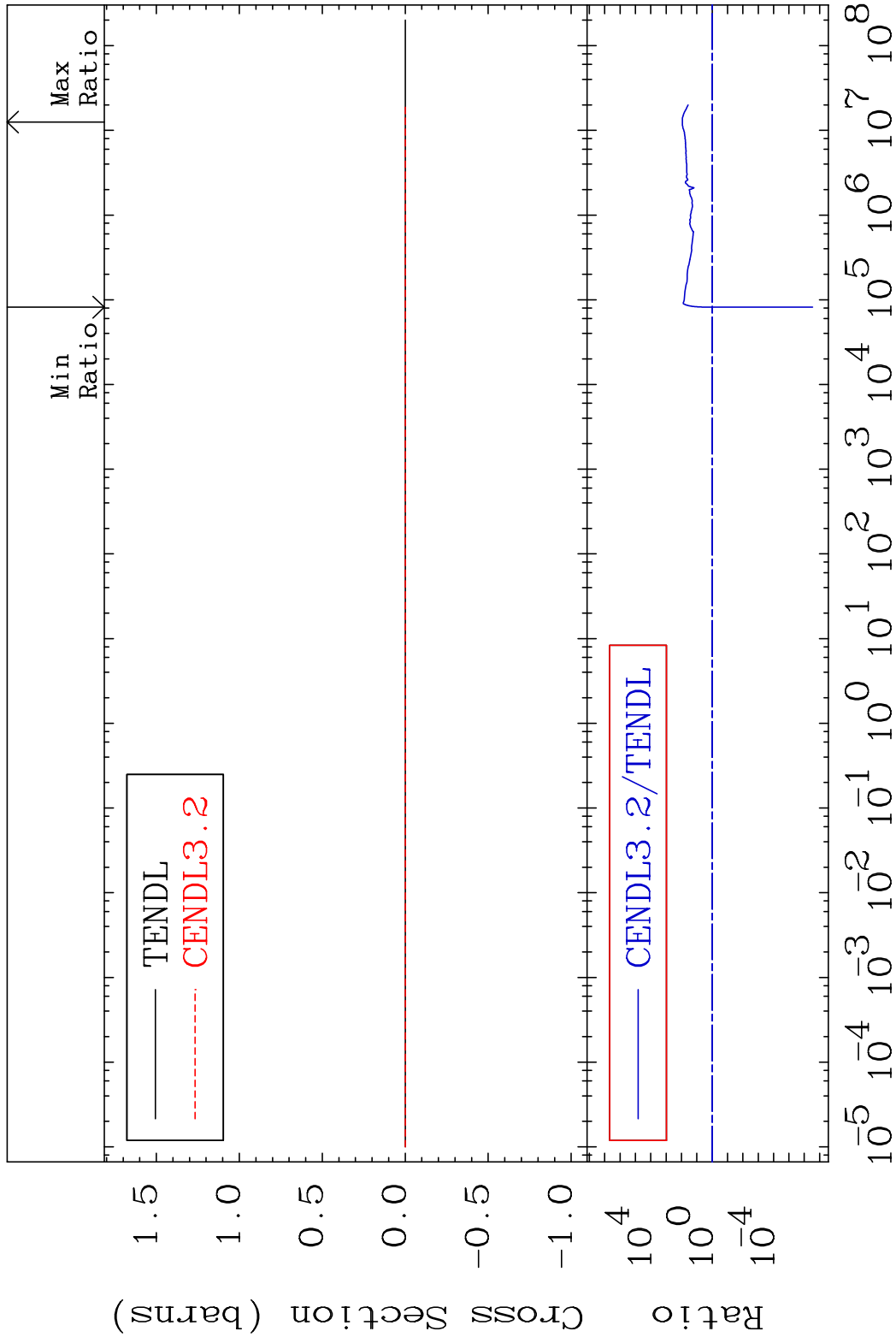


MAT 5525 Kerma inelastic (mt51-91) 55-Cs-133  
 Cross Section -100.0 To 8658. %



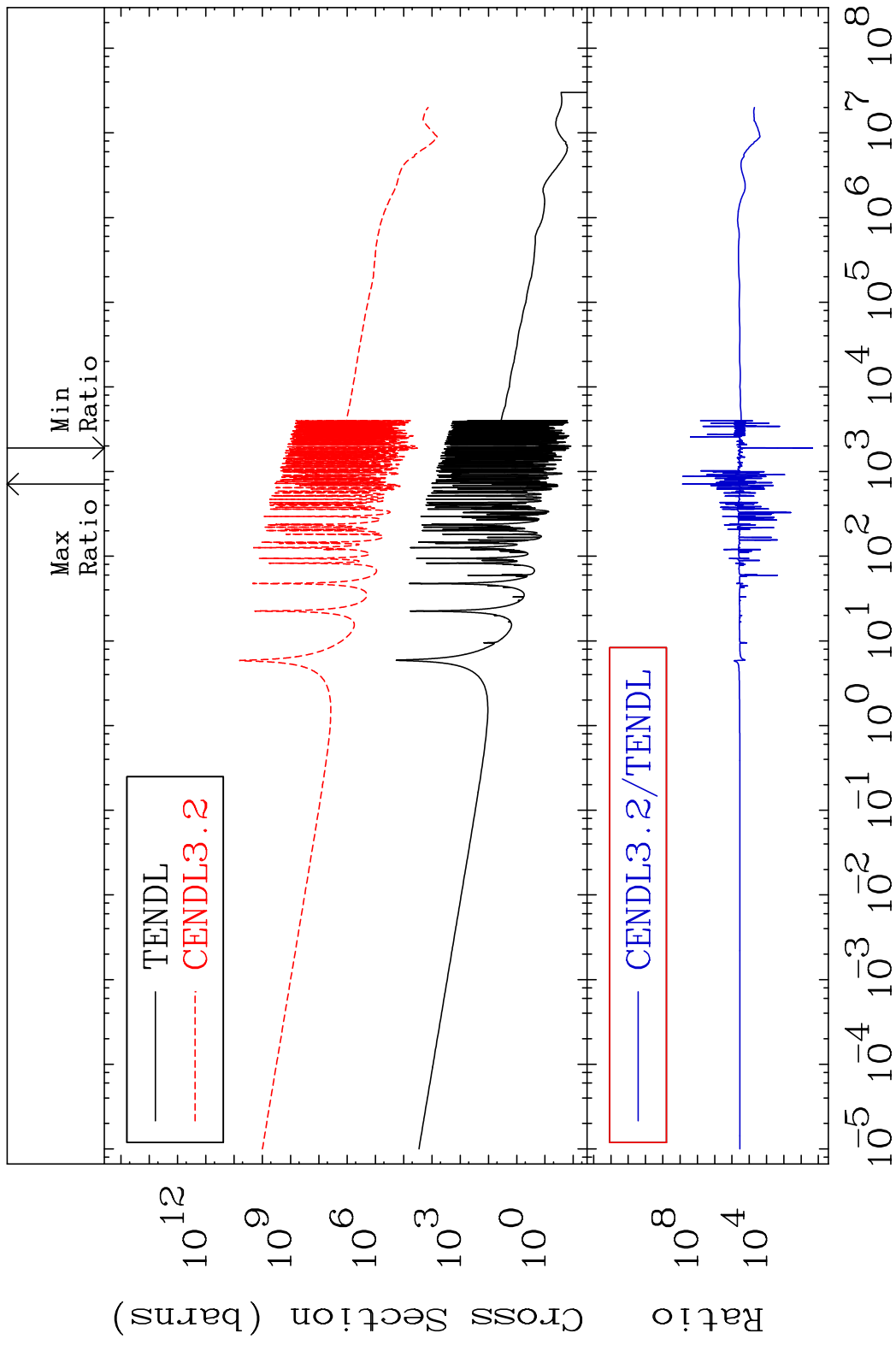
30 Incident Energy (eV) 55-Cs-133

MAT 5525 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-133  
 Cross Section -100.0 To 8658. %



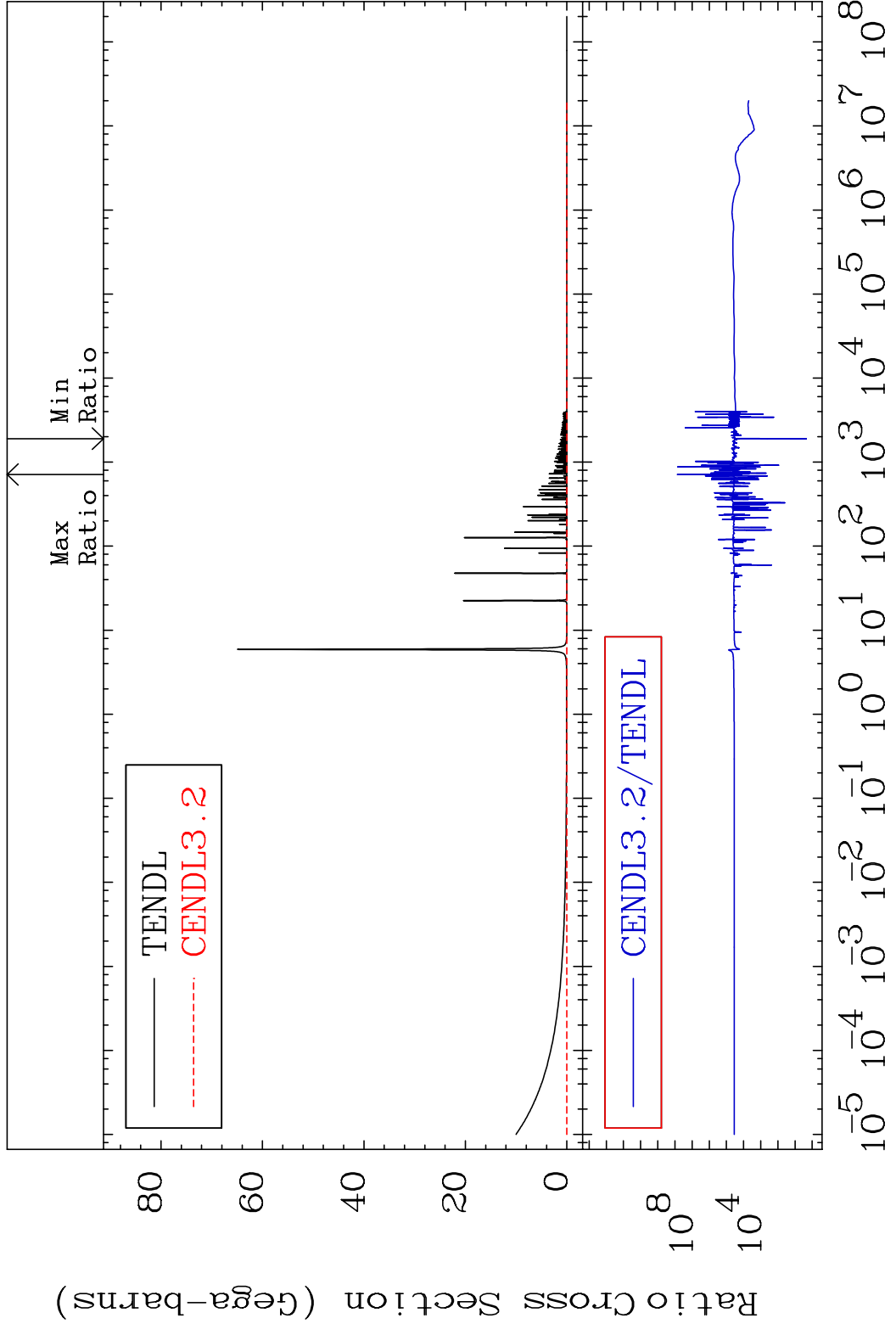


MAT 5525 Kerma capture (mt102) 55-Cs-133  
 Cross Section 2082. To 9999. %

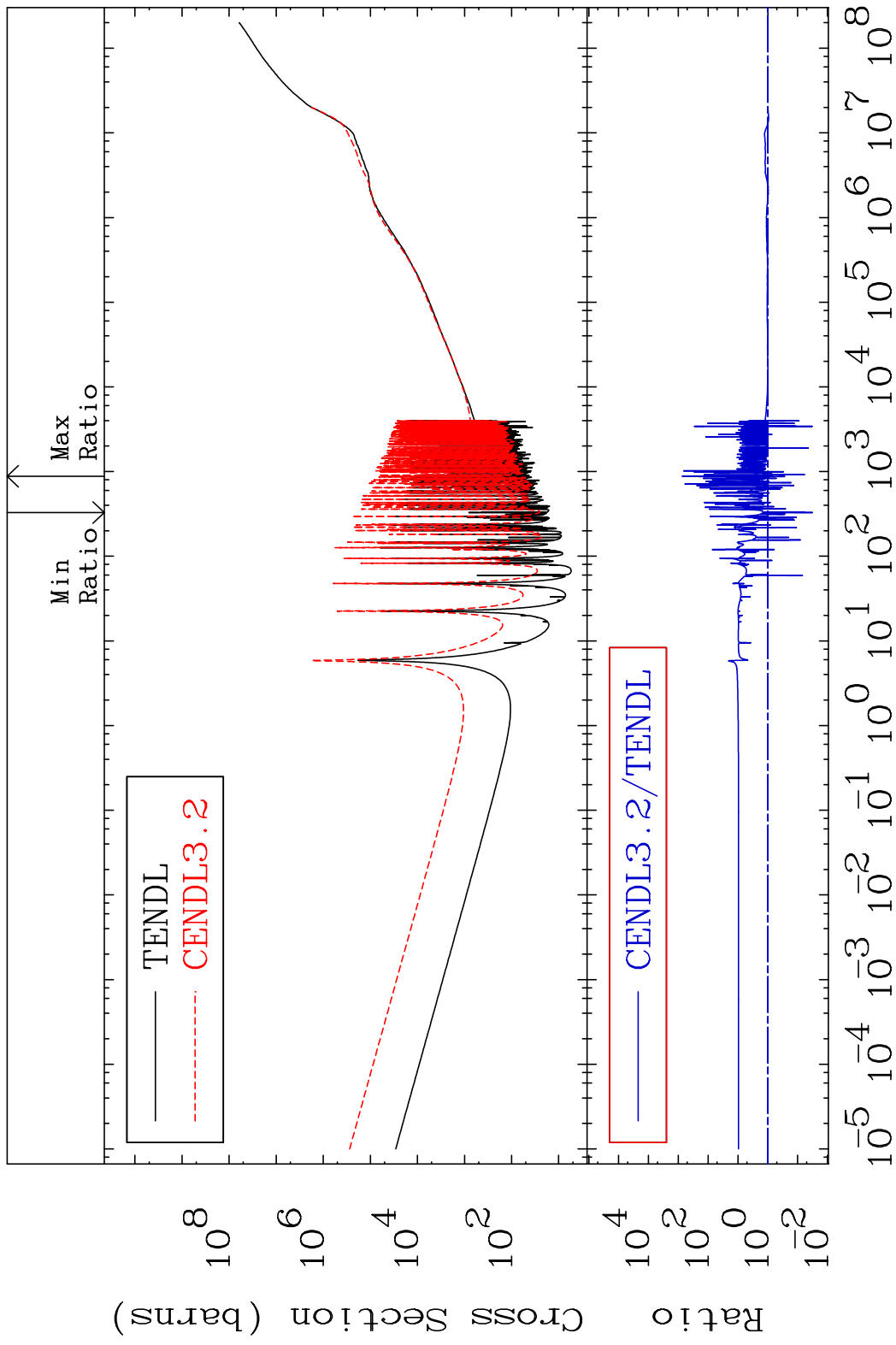


MAT 5525

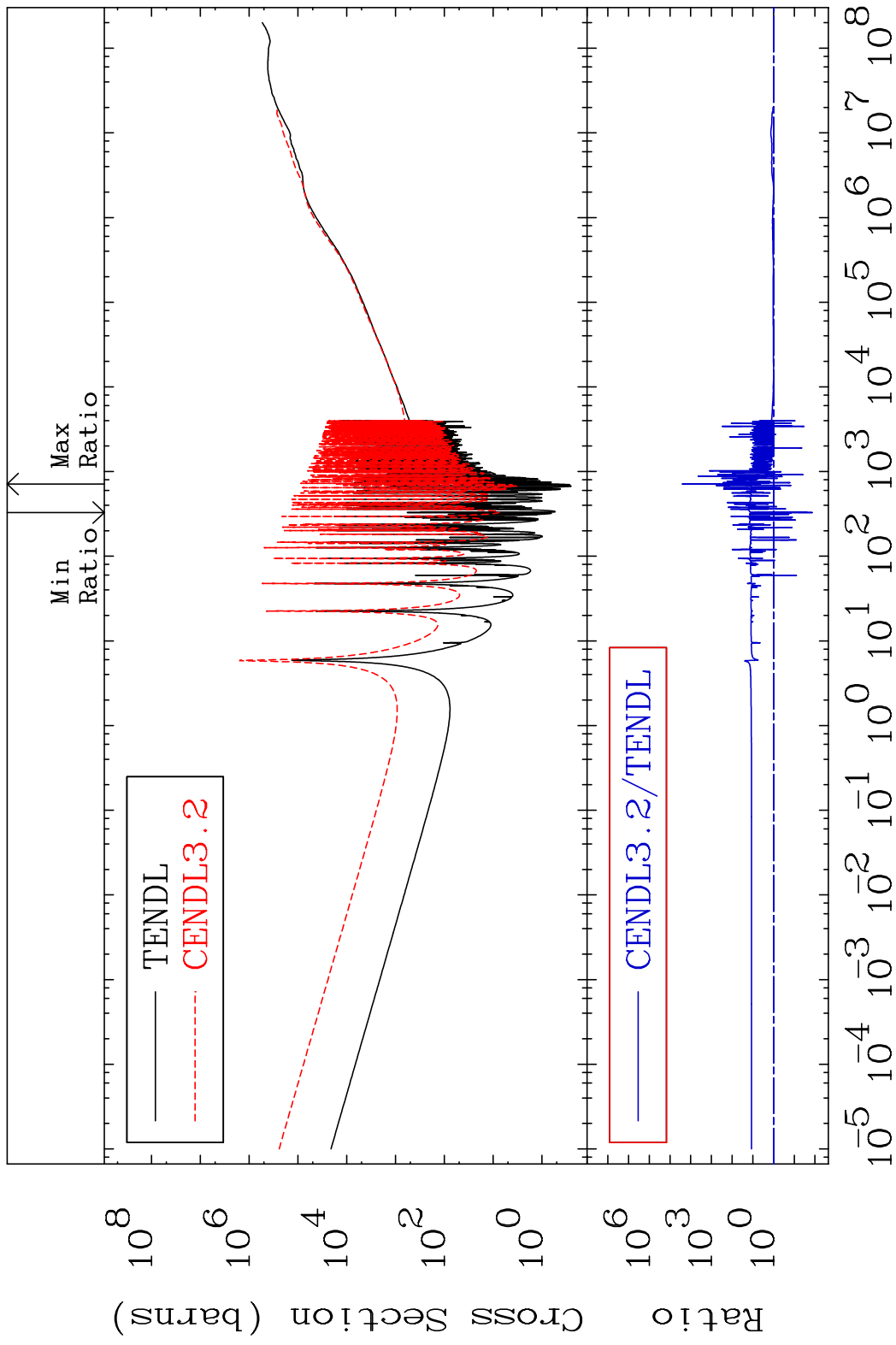
Total photon (eV-barns) 55-Cs-133  
Cross Section 2082. To 9999. %



MAT 5525 Total kinematic kerma (high limit) 55-Cs-133  
 Cross Section -96.83 To 9999. %



MAT 5525      Dpa total (eV-barns)      55-Cs-133  
 Cross Section      -98.69 To 9999. %

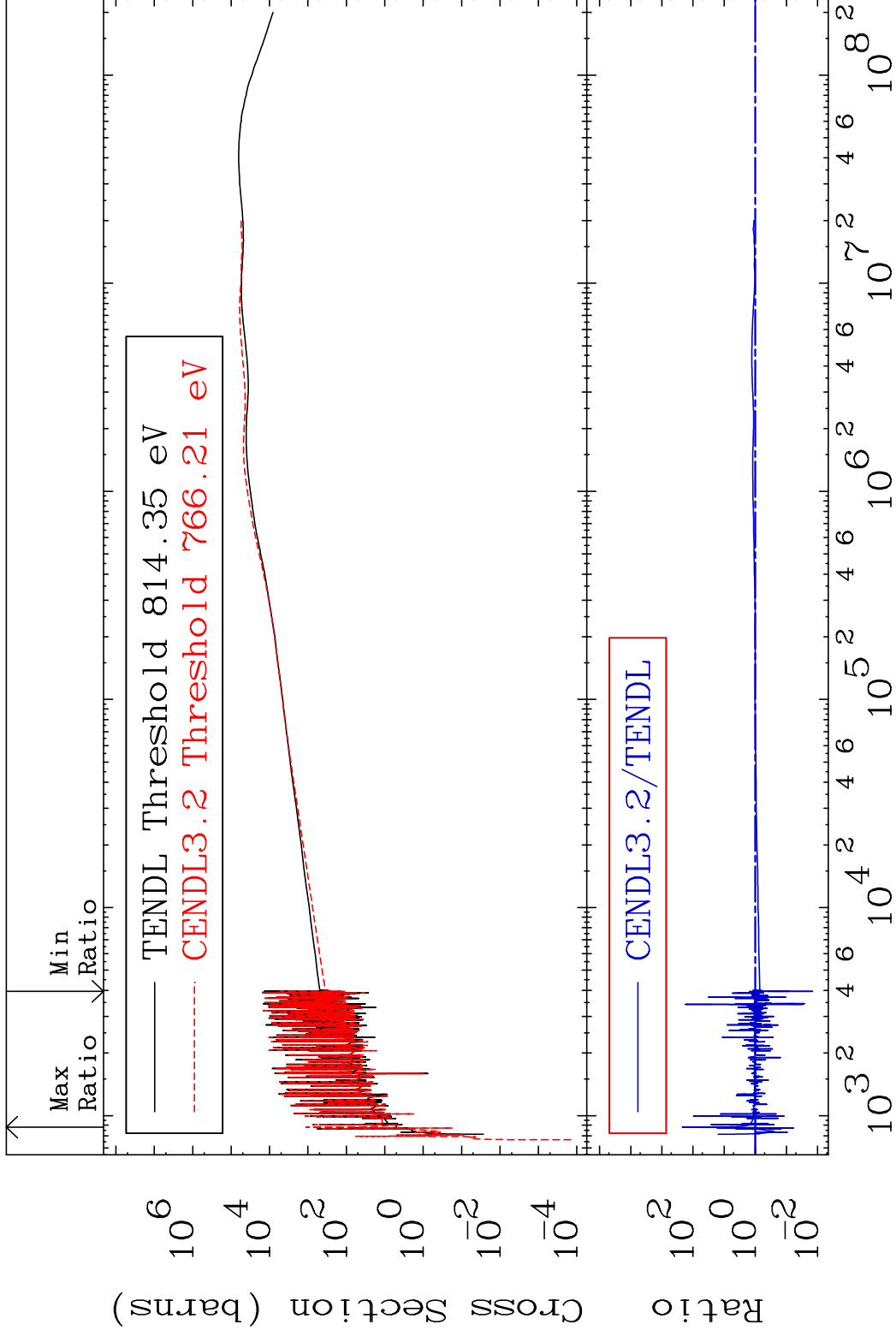


MAT 5525

Dpa elastic (mt2)

55-Cs-133

Cross Section -98.54 To 9999. %

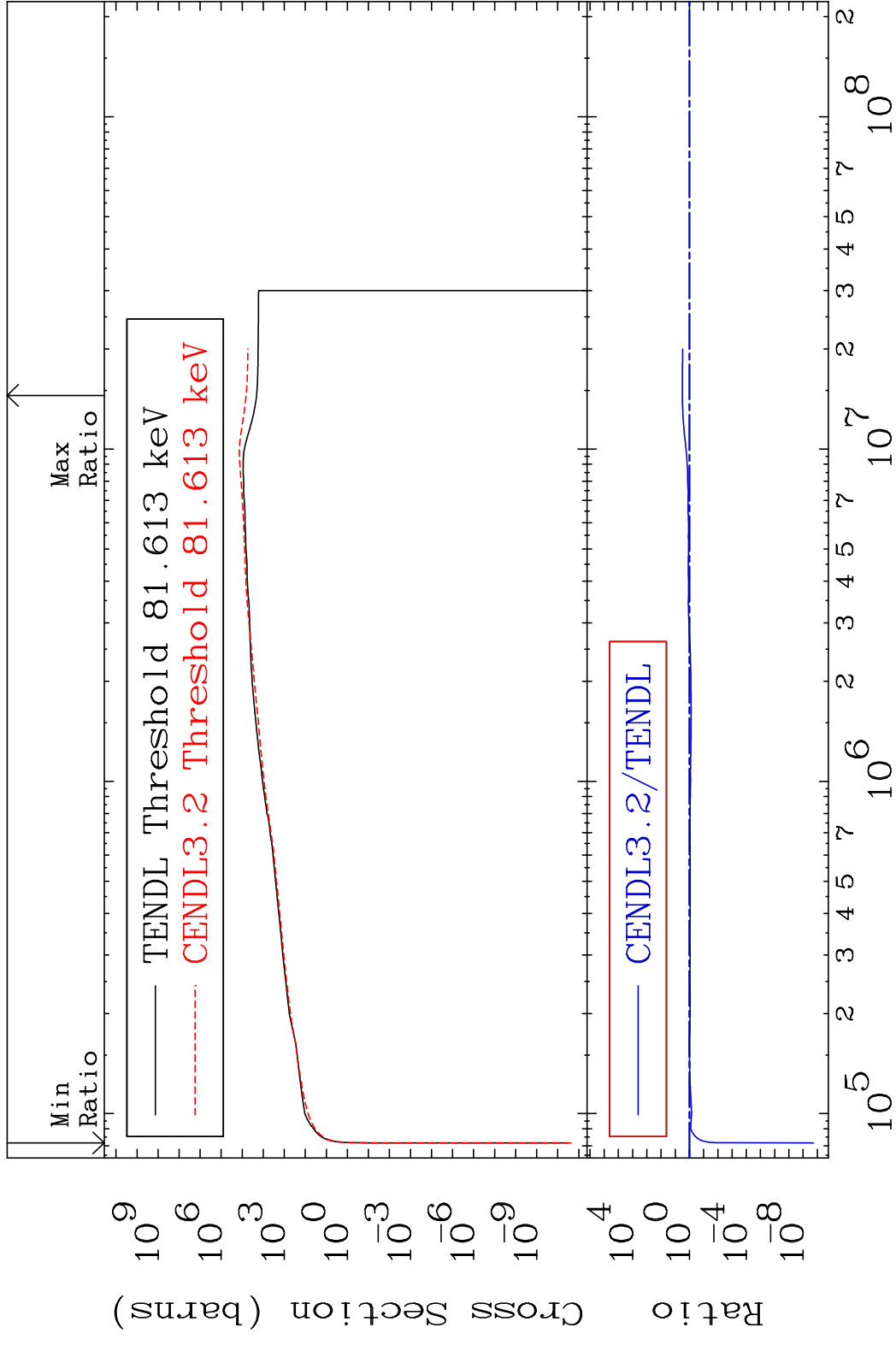


36

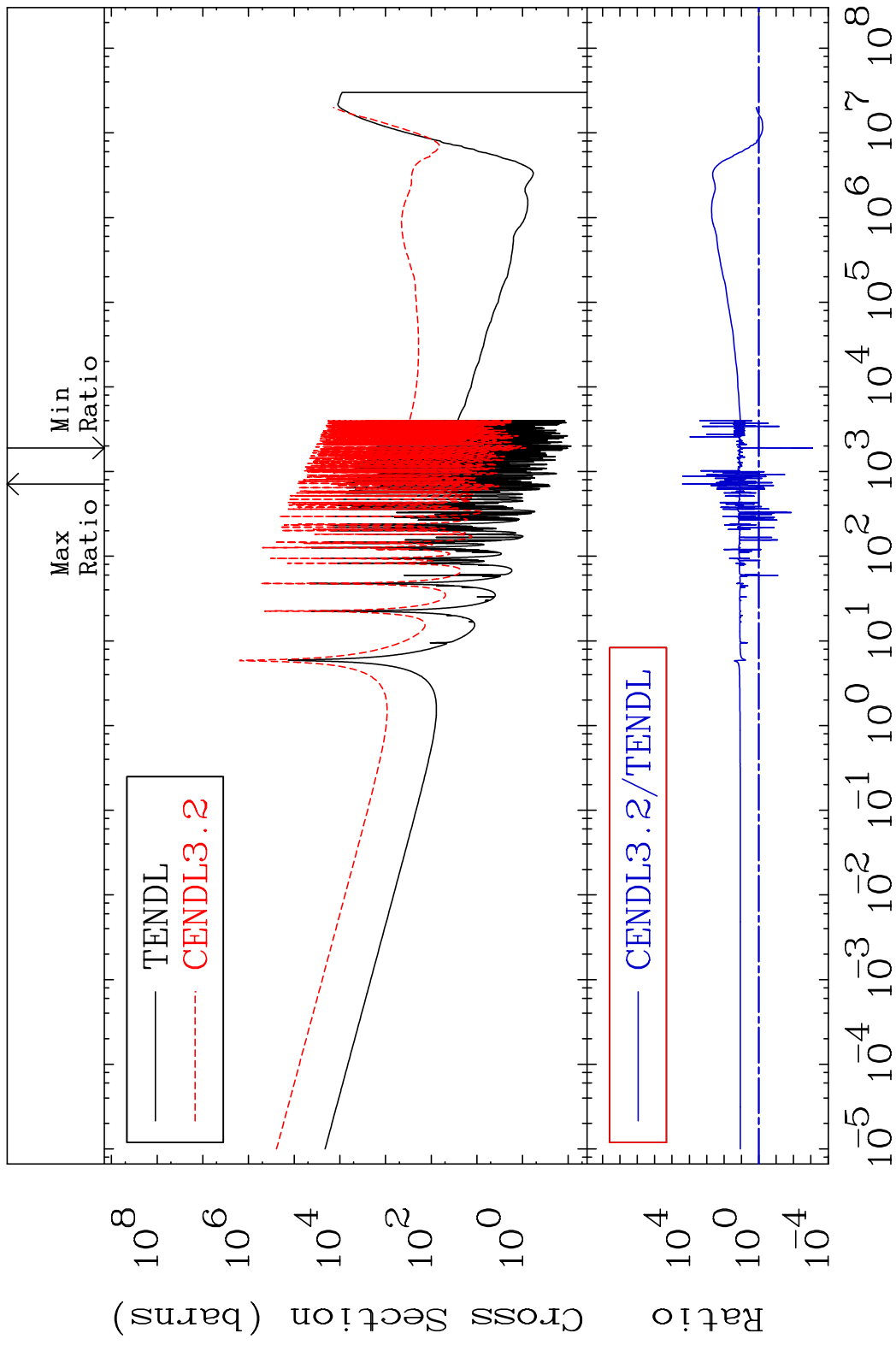
Incident Energy (eV)

55-Cs-133

MAT 5525 Dpa inelastic (mt51-91) 55-Cs-133  
 Cross Section -100.0 To 215.1 %



MAT 5525 Dpa disappearance (mt102 -120) 55-Cs-133  
 Cross Section -99.92 To 9999. %

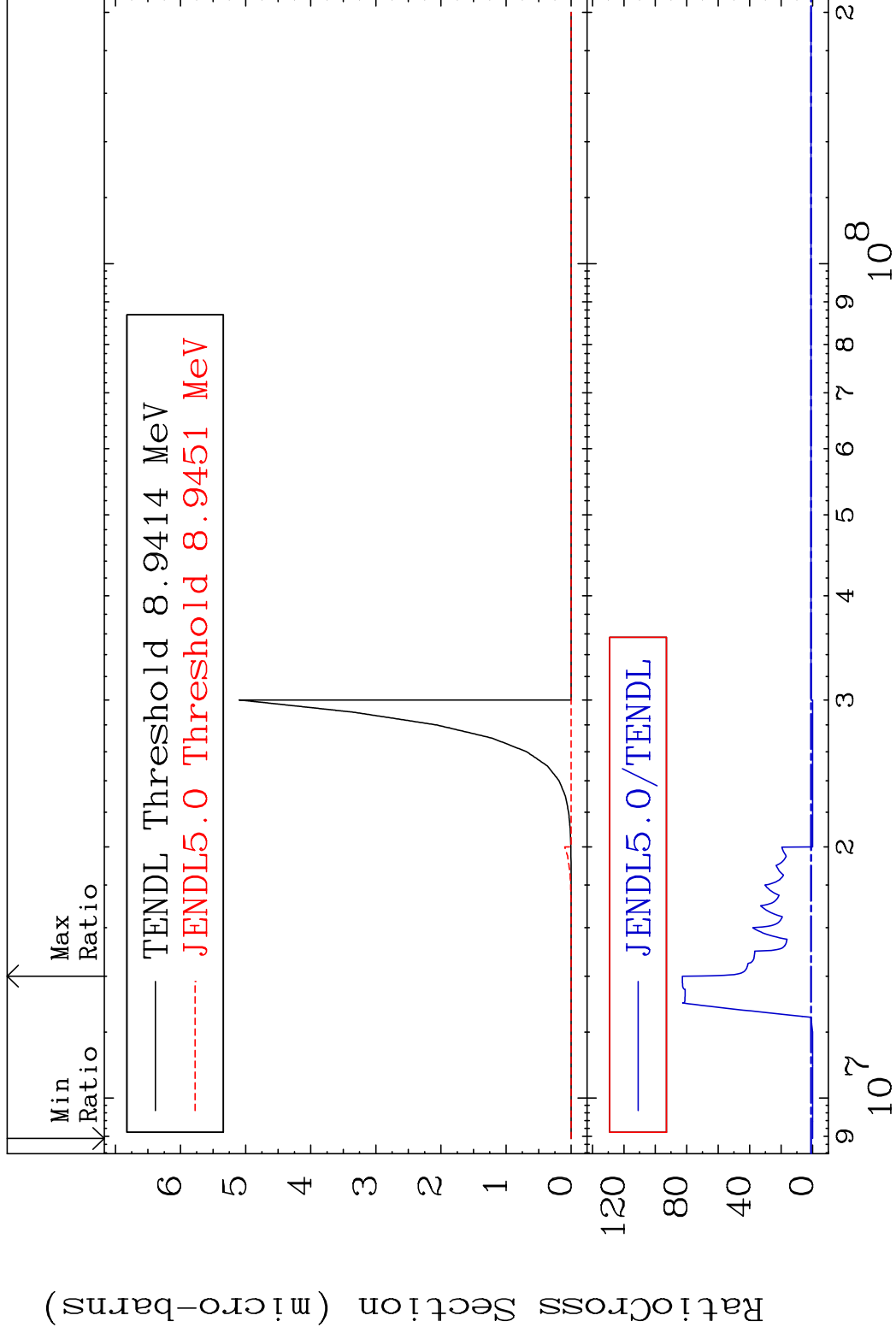


MAT 5525

(n,2p)

55-Cs-133

Cross Section -100.0 To 8182. %



39

Incident Energy (eV)

55-Cs-133

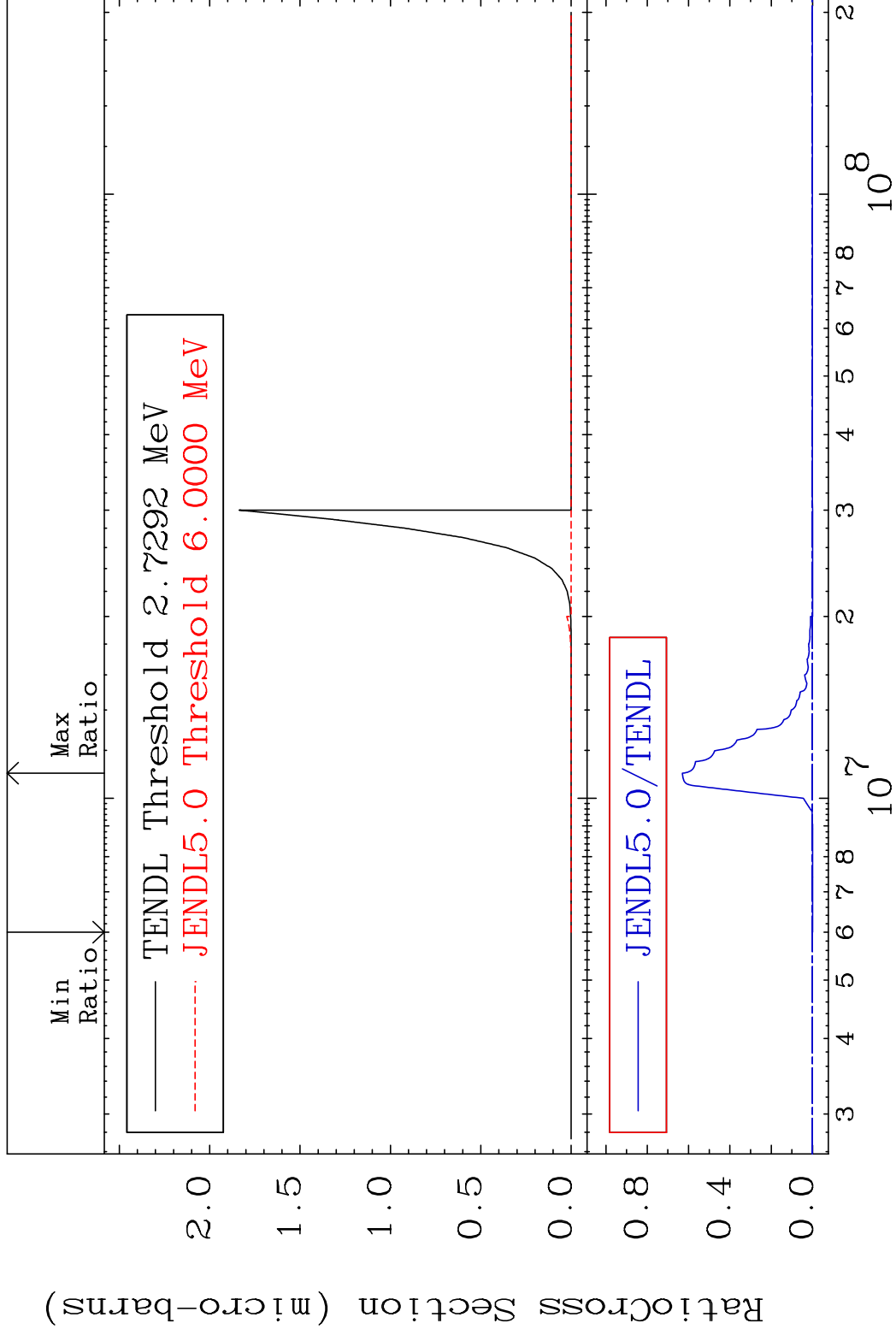


MAT 5525

(n,p)  $\alpha$

55-Cs-133

Cross Section -100.0 To 9999. %

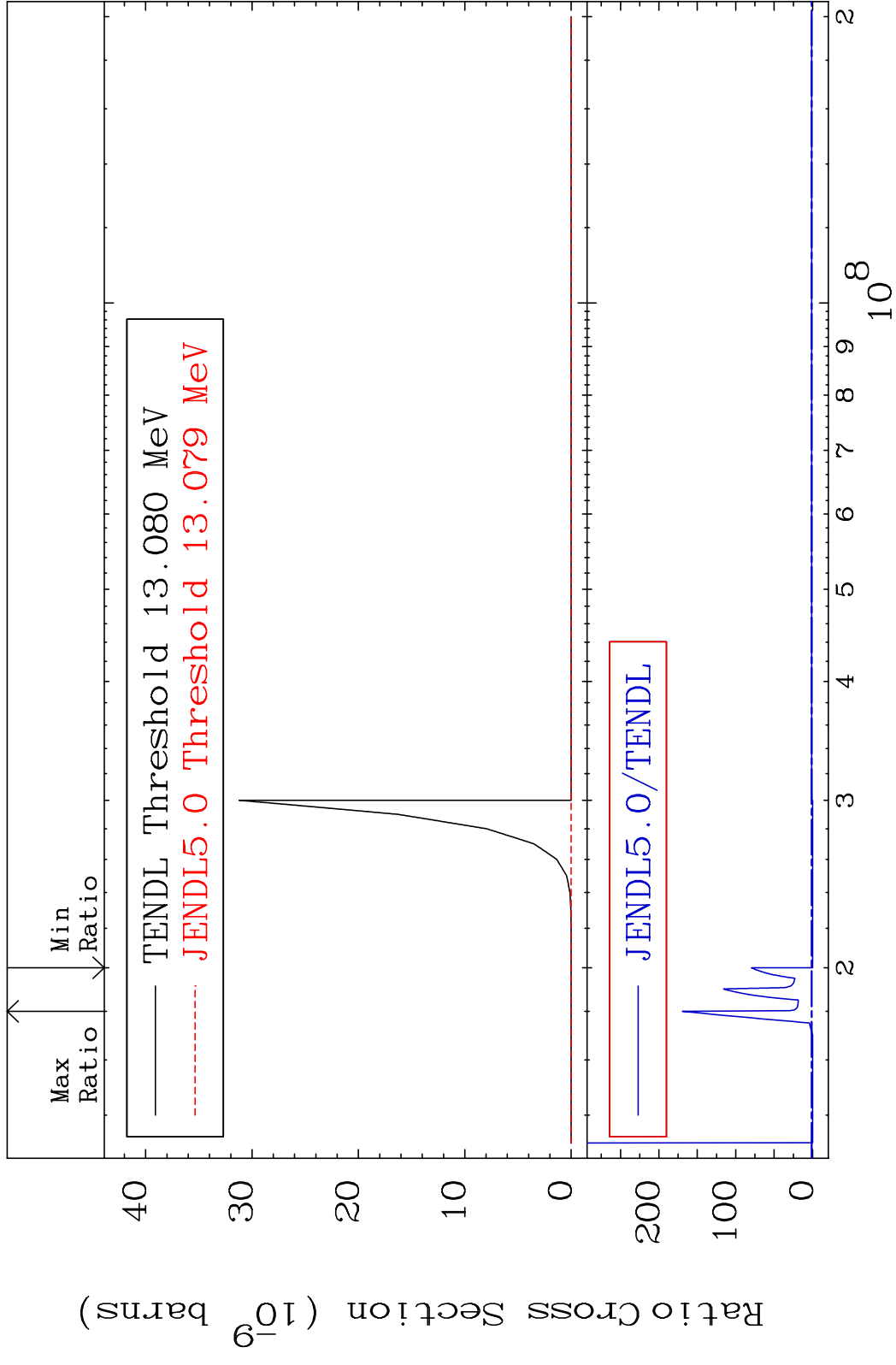


40

Incident Energy (eV)

55-Cs-133

MAT 5525 (n,p) d 55-Cs-133  
 Cross Section -100.0 To 9999. %

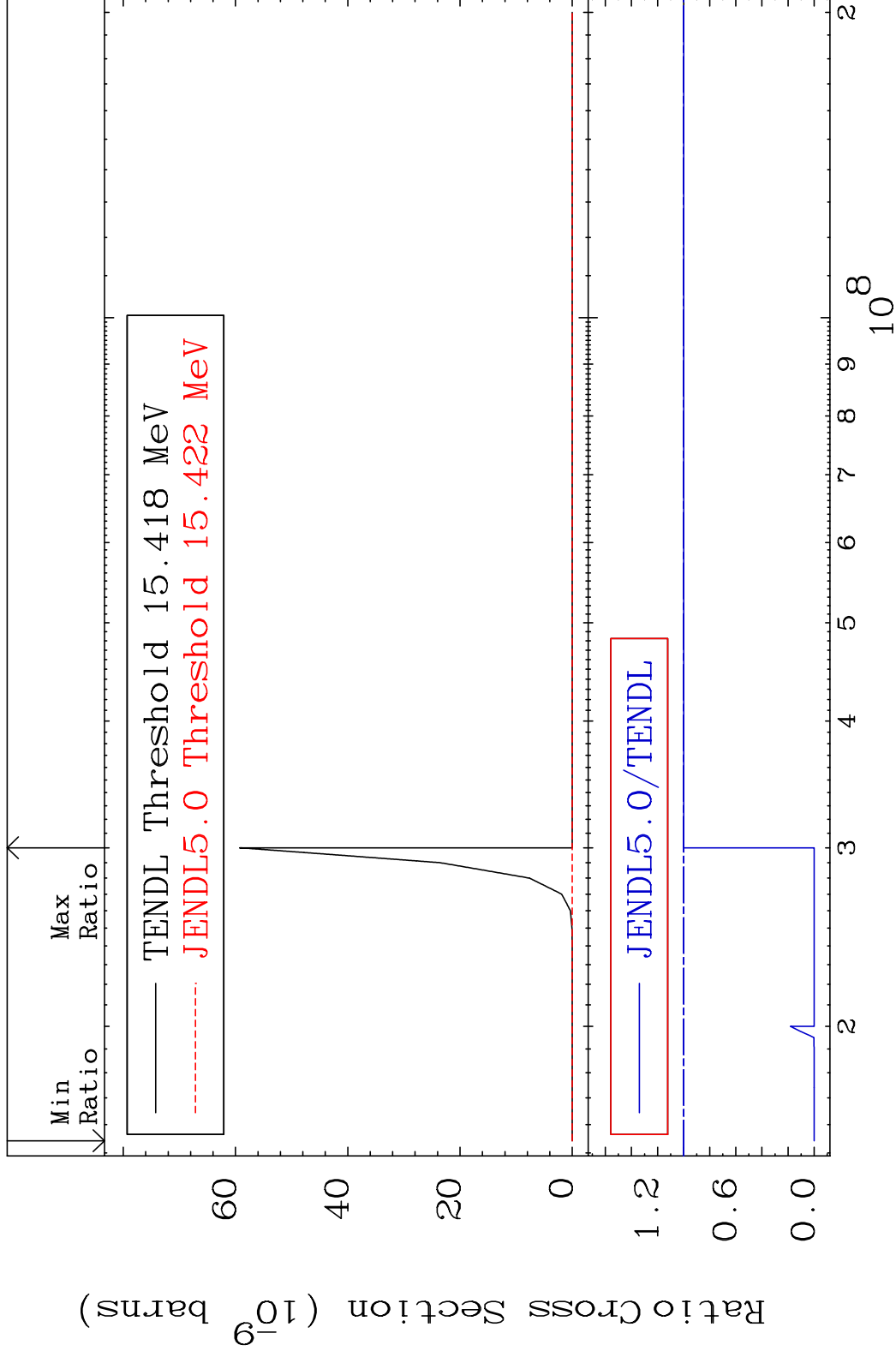


MAT 5525

(n,p) t

55-Cs-133

Cross Section -100.0 To 0.000 %



42

Incident Energy (eV)

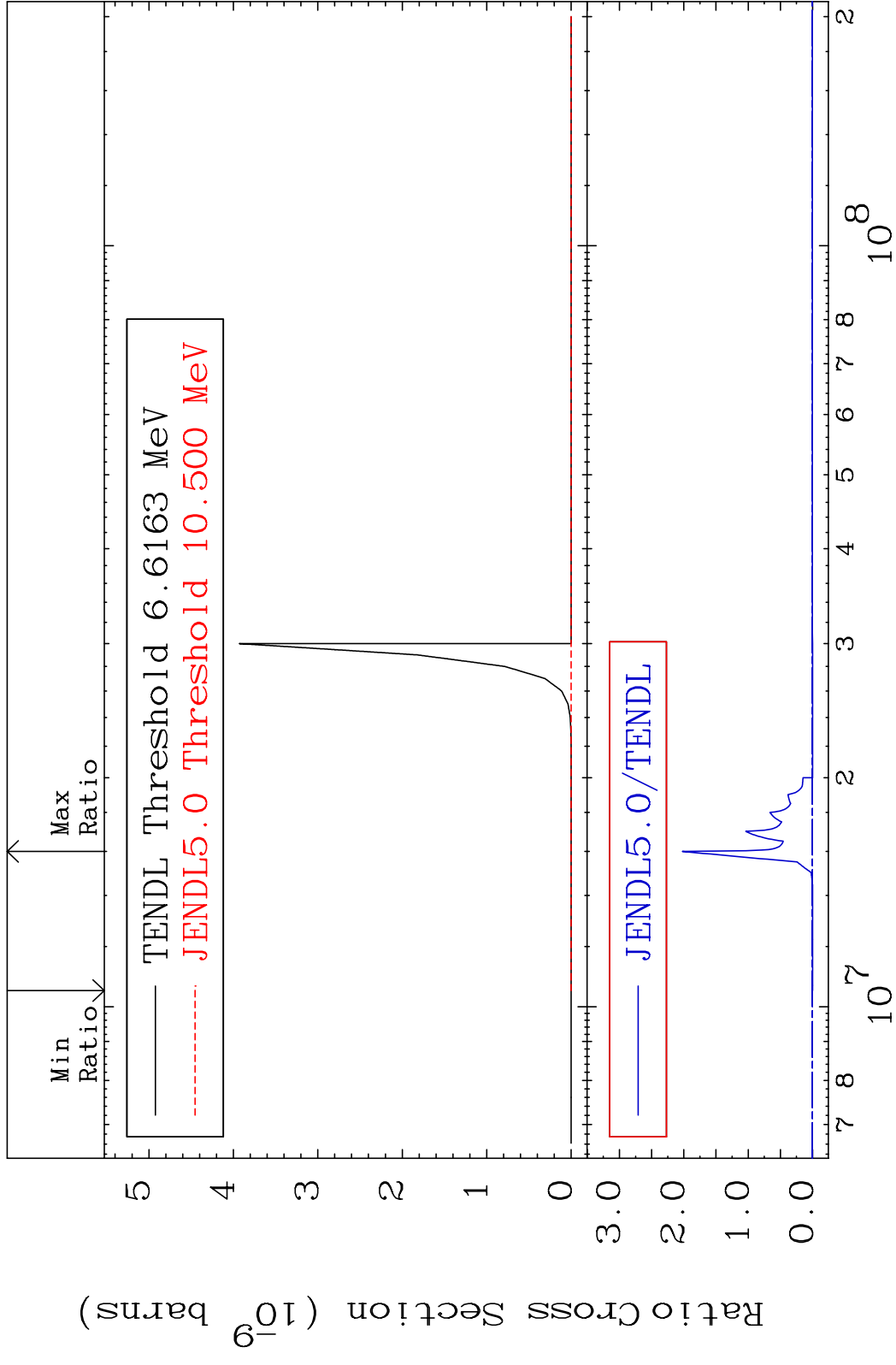
55-Cs-133

MAT 5525

(n,d)  $\alpha$

55-Cs-133

Cross Section -100.0 To 9999. %

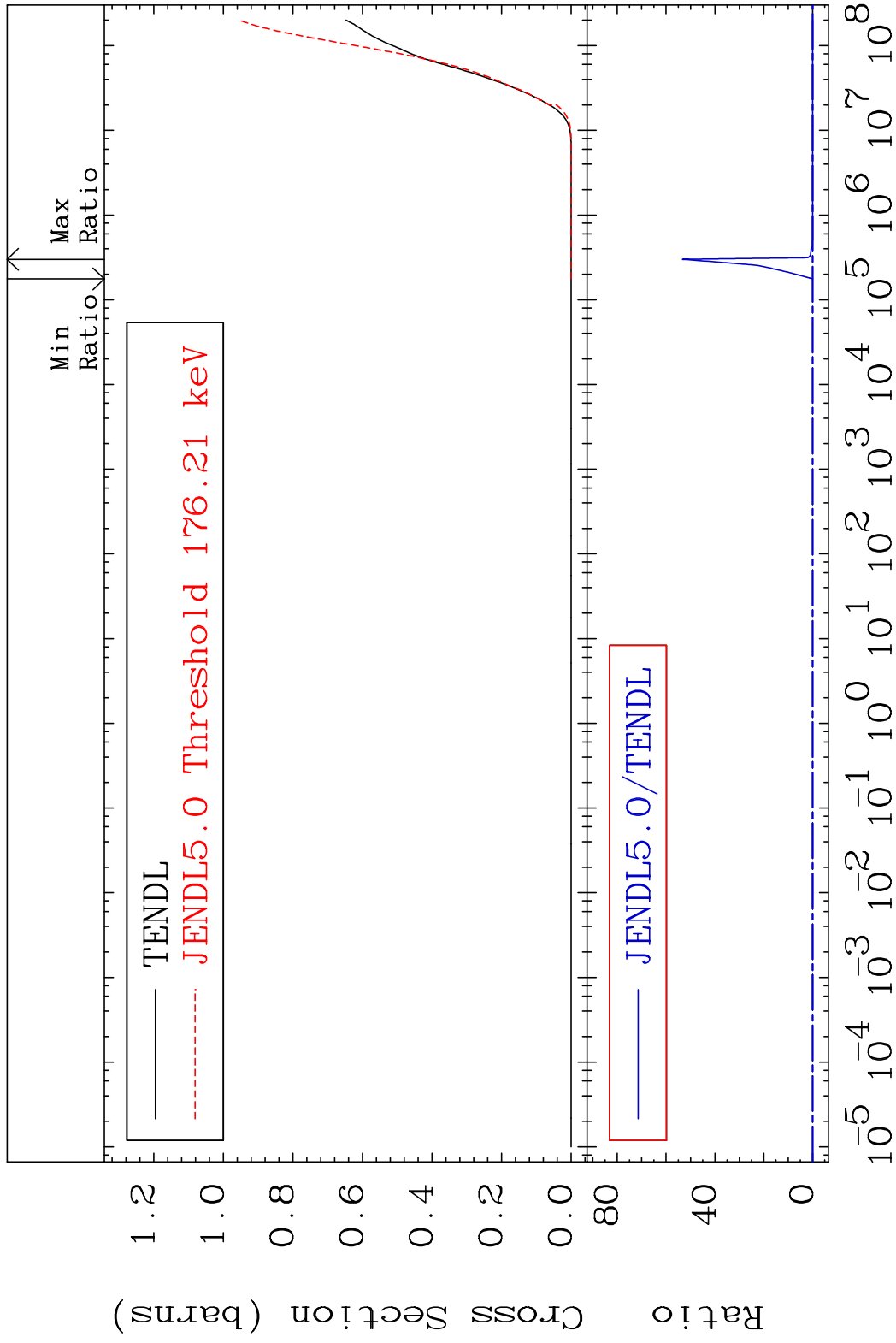


MAT 5525

Hydrogen Production

55-Cs-133

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

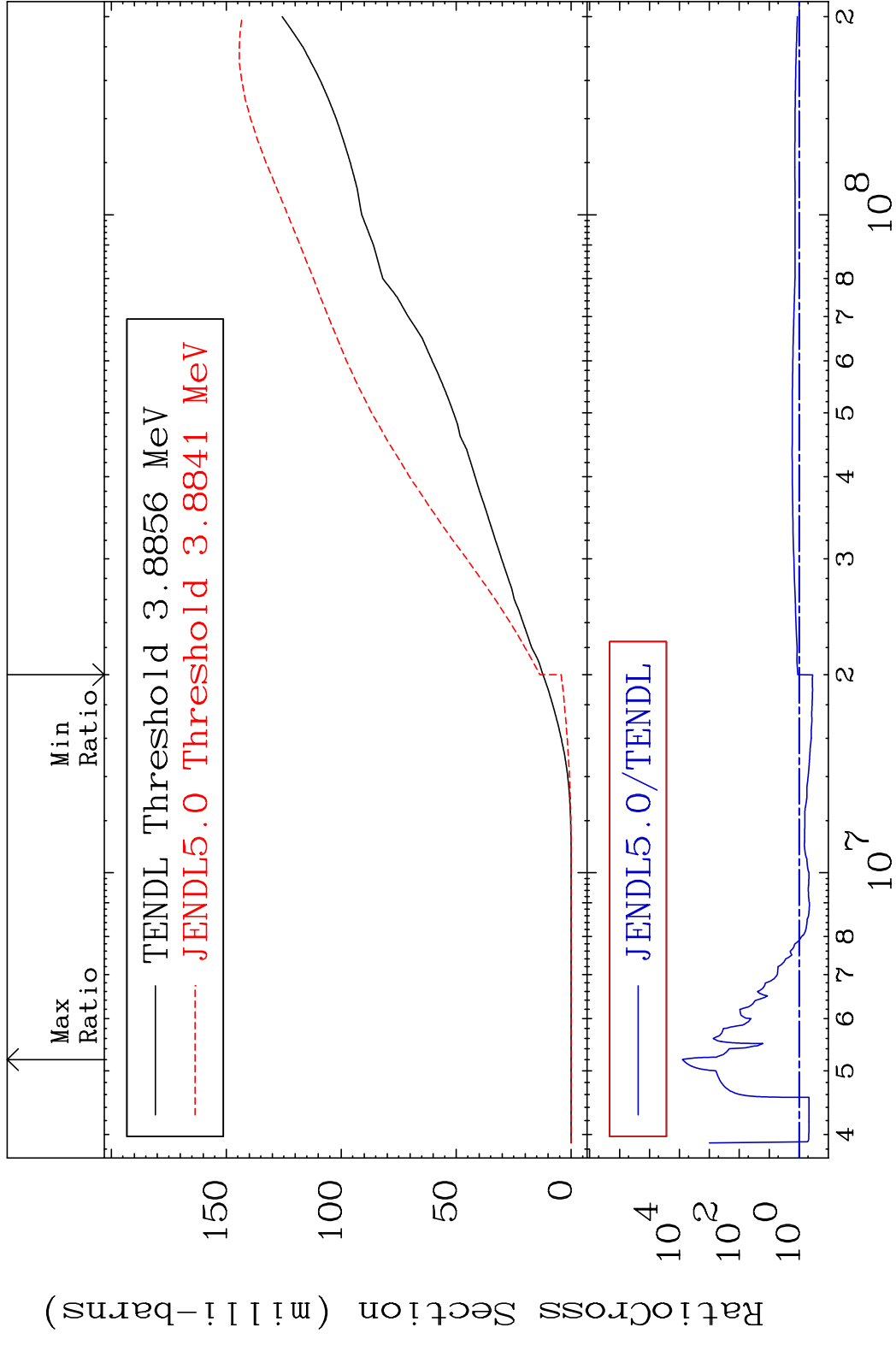
55-Cs-133

MAT 5525

Deuterium Production

55-Cs-133

Cross Section -64.54 To 9999. %



45

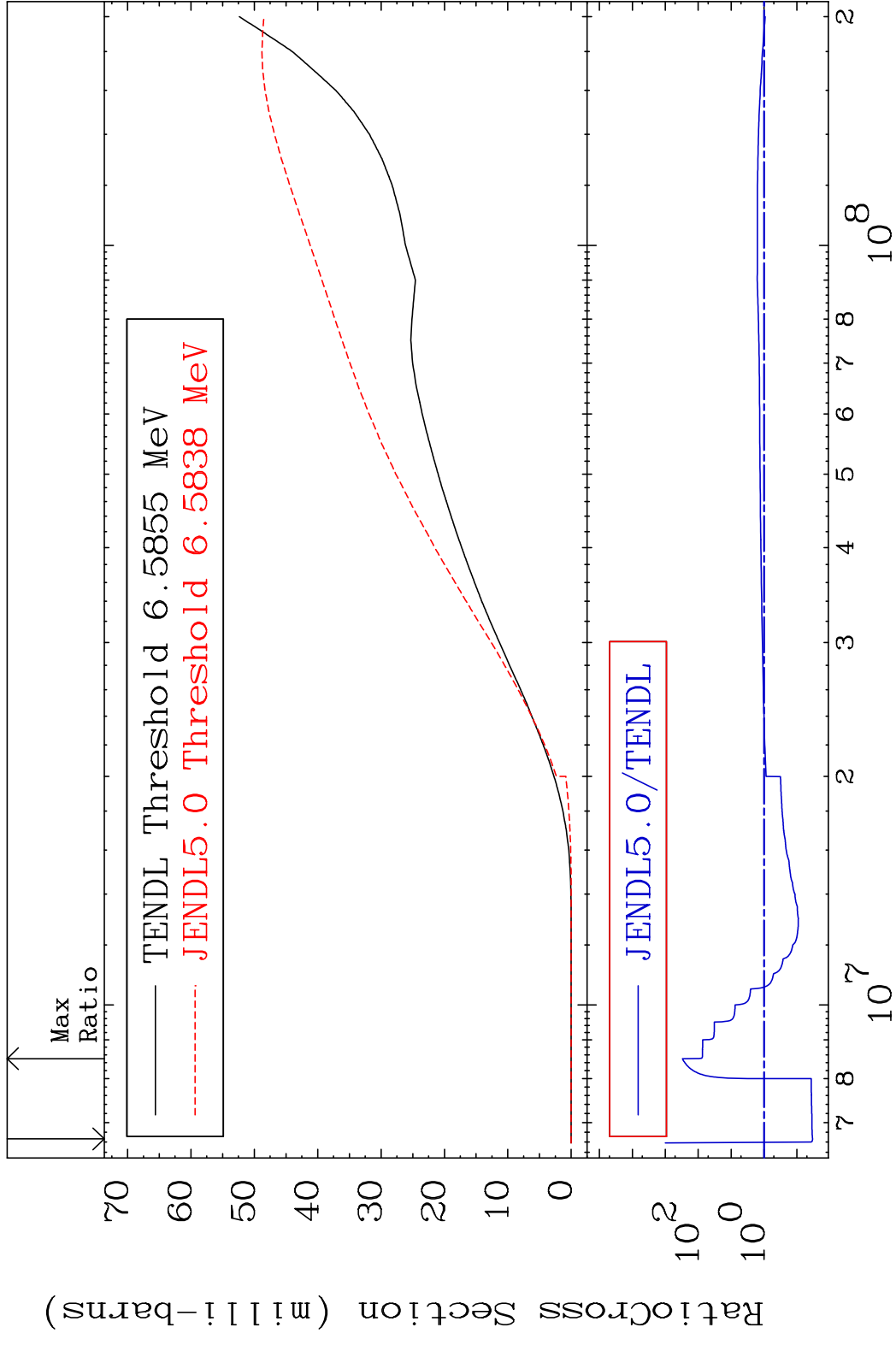
Incident Energy (eV)

55-Cs-133

MAT 5525

Tritium Production 55-Cs-133

Cross Section -96.65 To 9999. %



46

Incident Energy (eV)

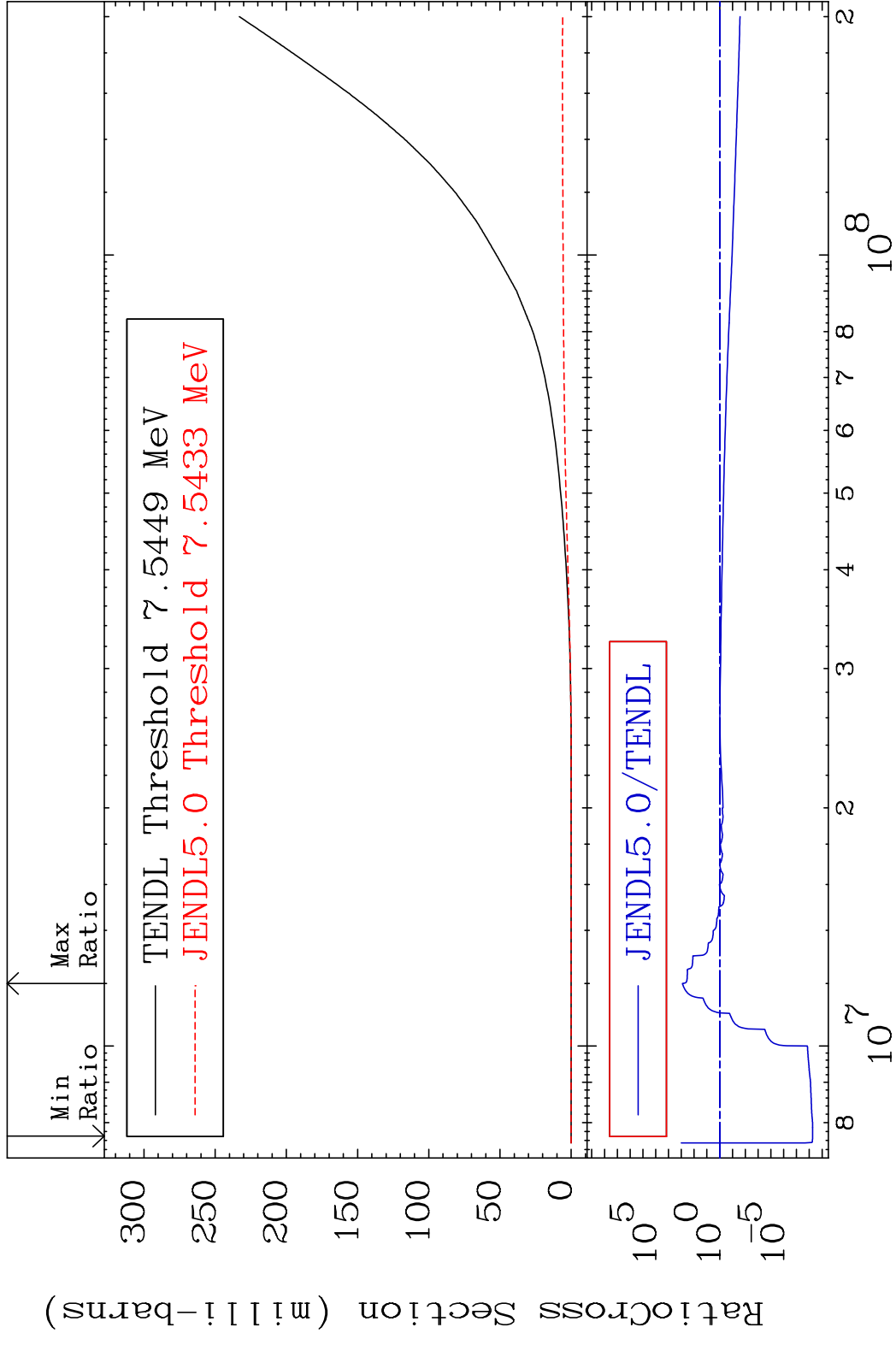
55-Cs-133

MAT 5525

He-3 Production

55-Cs-133

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

55-Cs-133

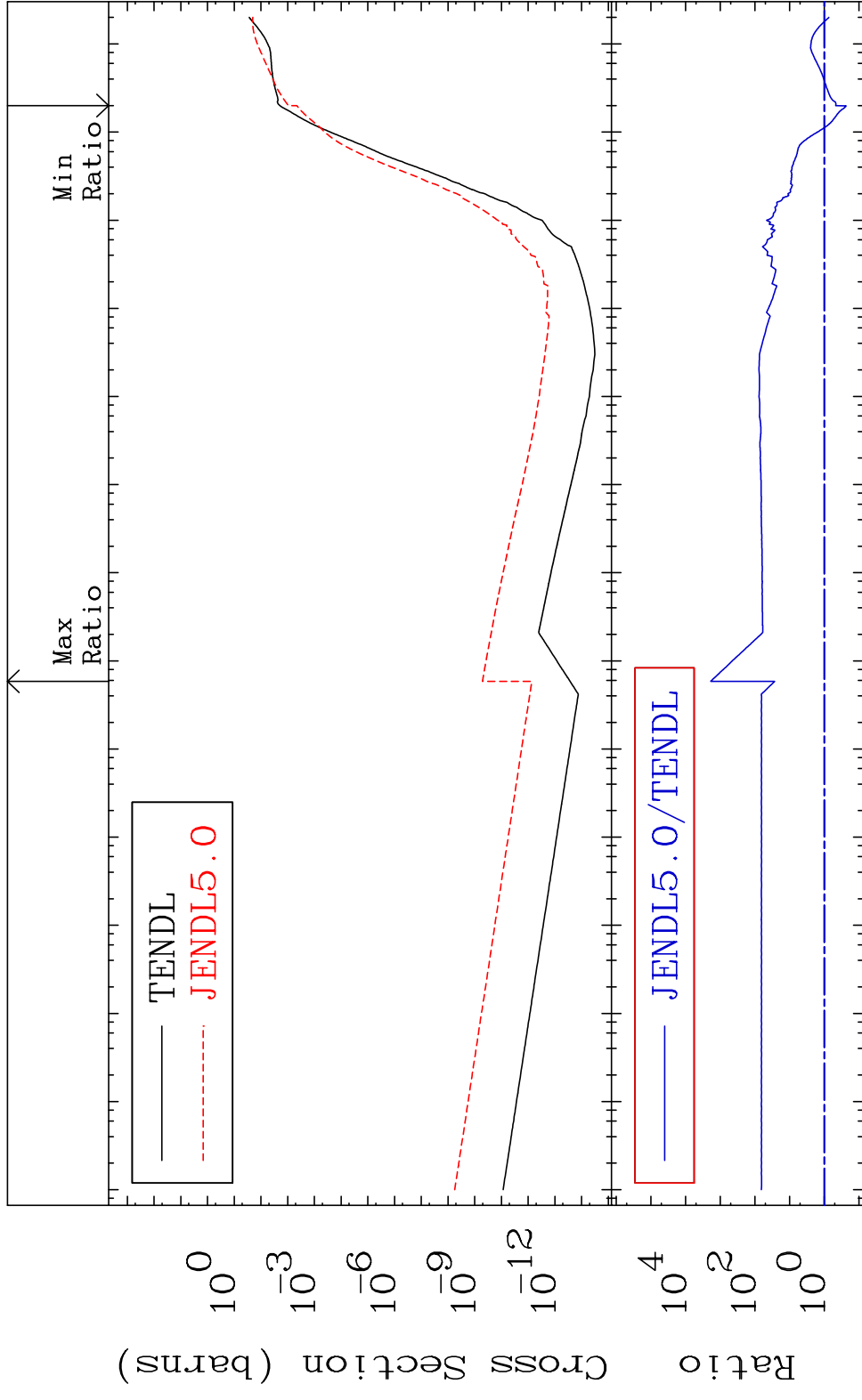


MAT 5525

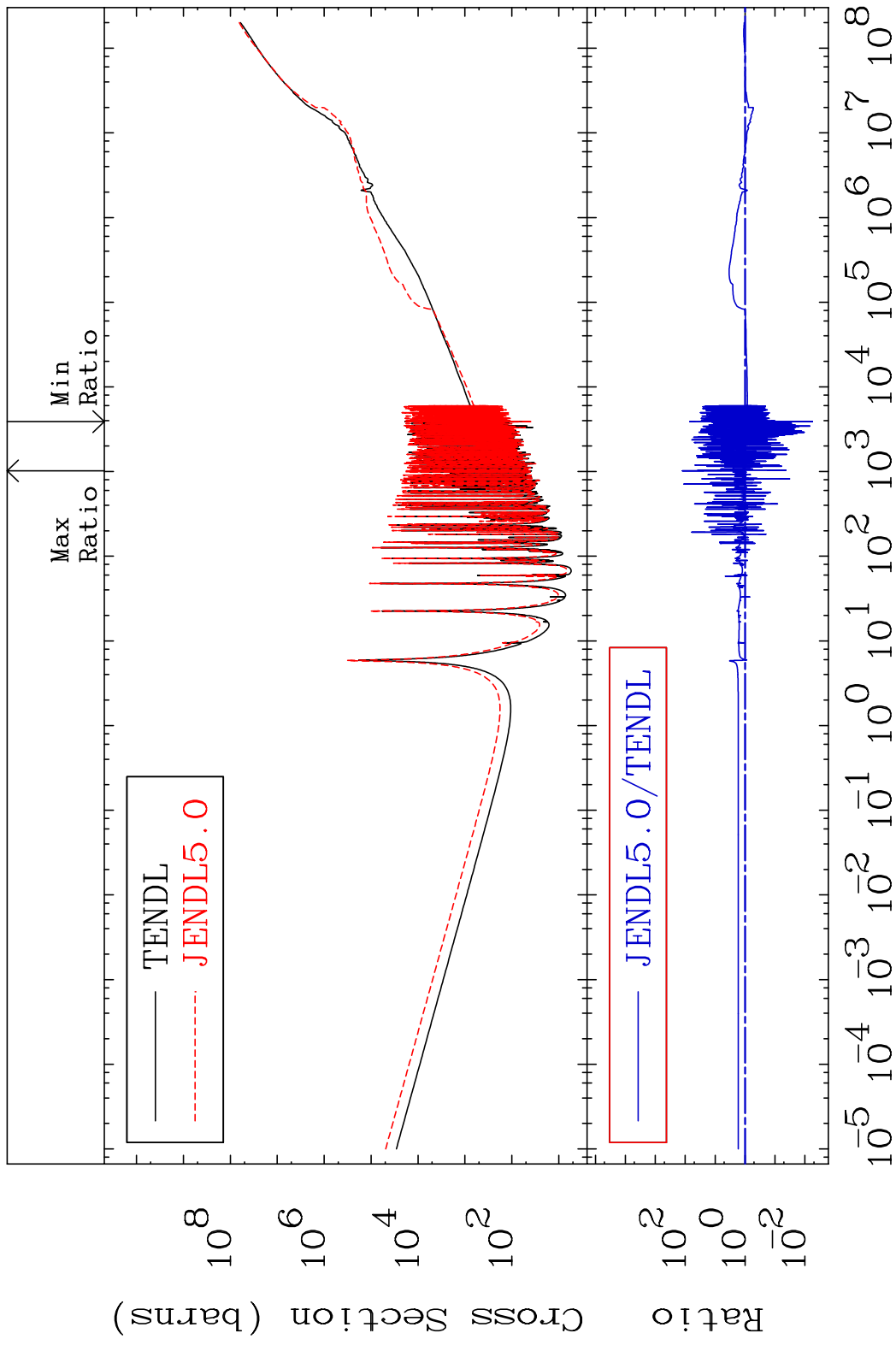
He-4 Production

55-Cs-133

Cross Section -76.90 To 9999. %



MAT 5525 Kerma total (eV-barns) 55-Cs-133  
 Cross Section -99.45 To 9999. %



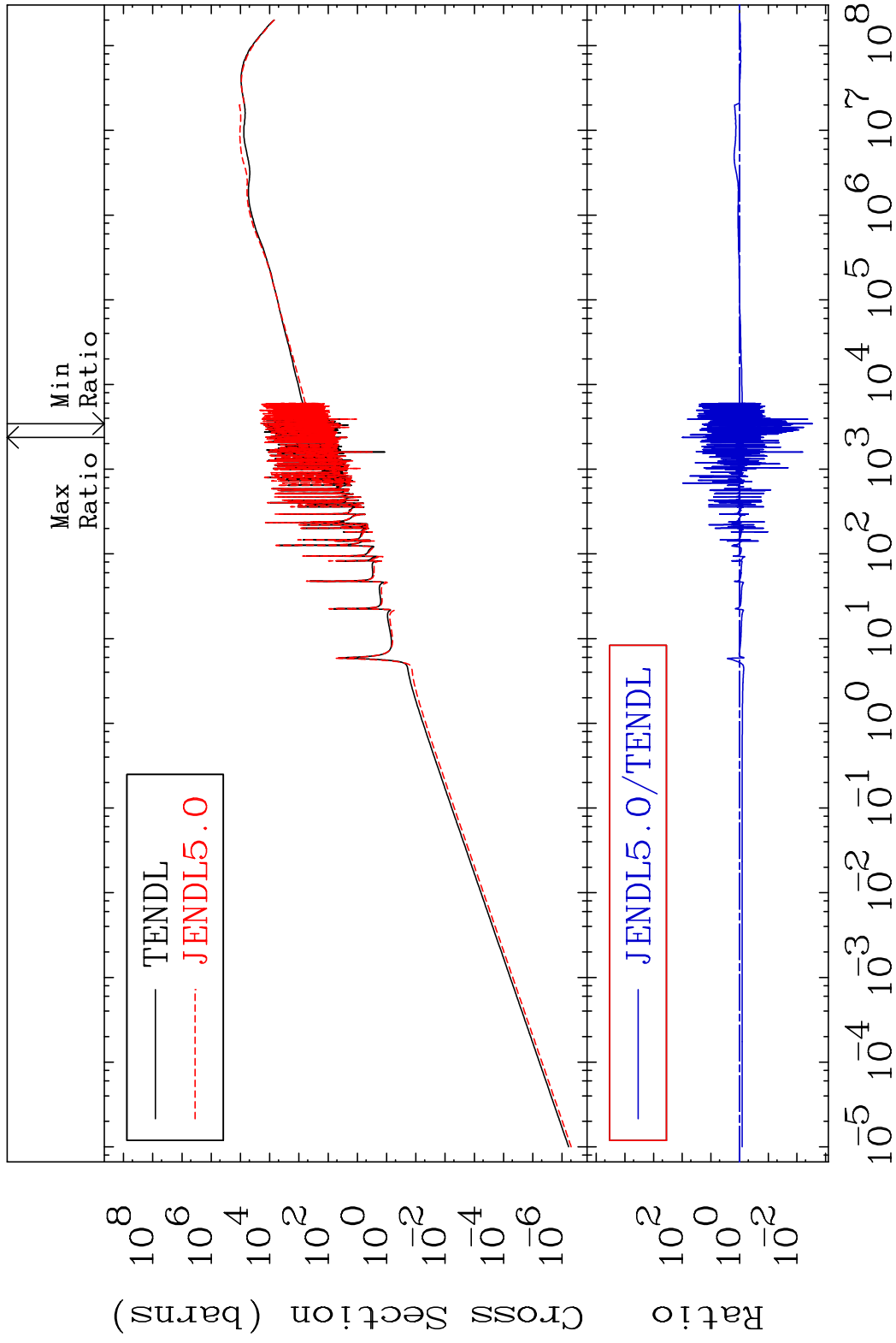
49 Incident Energy (eV) 55-Cs-133

MAT 5525

Kerma elastic

55-Cs-133

Cross Section -99.71 To 9827. %

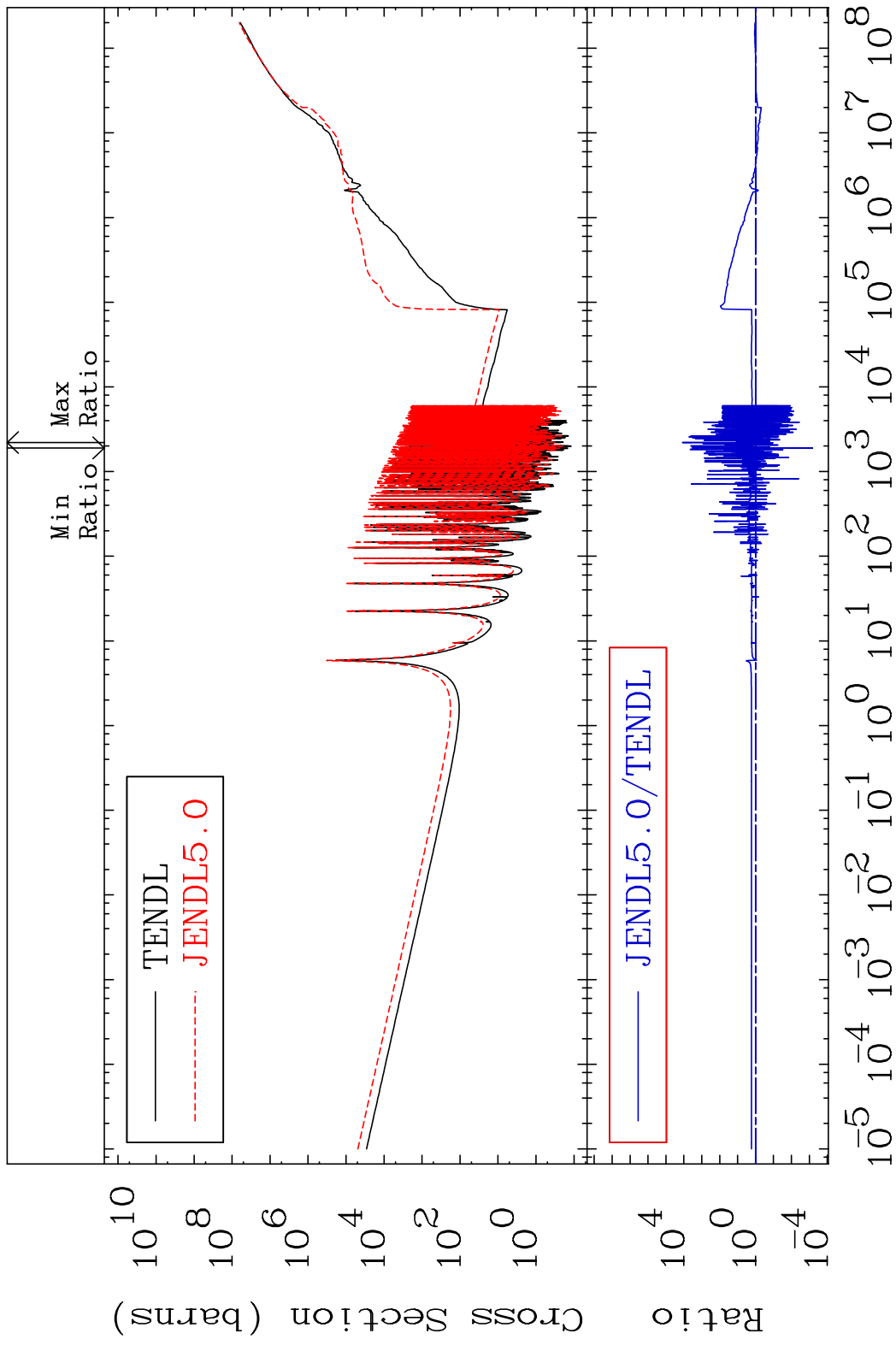


50

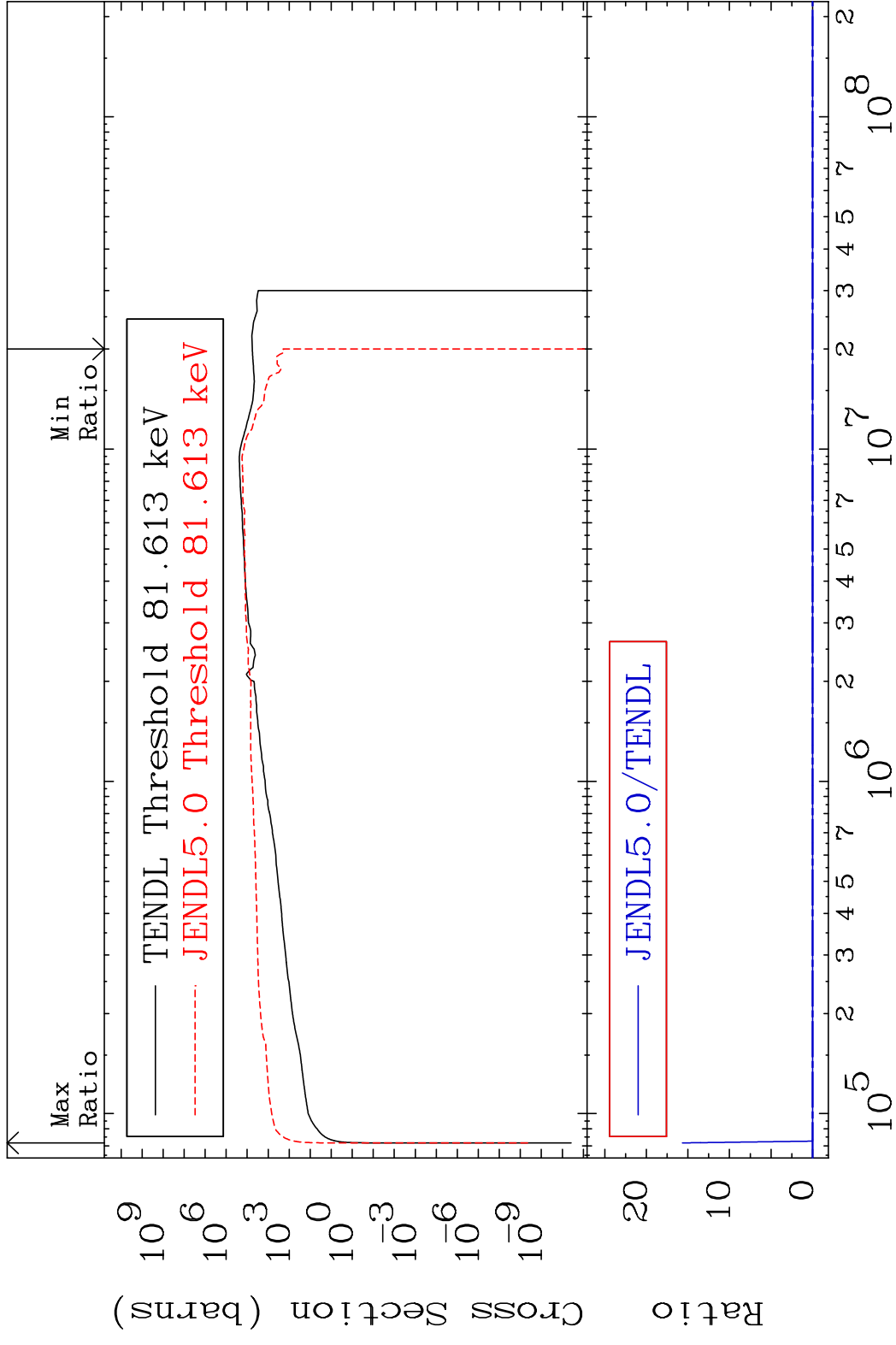
Incident Energy (eV)

55-Cs-133

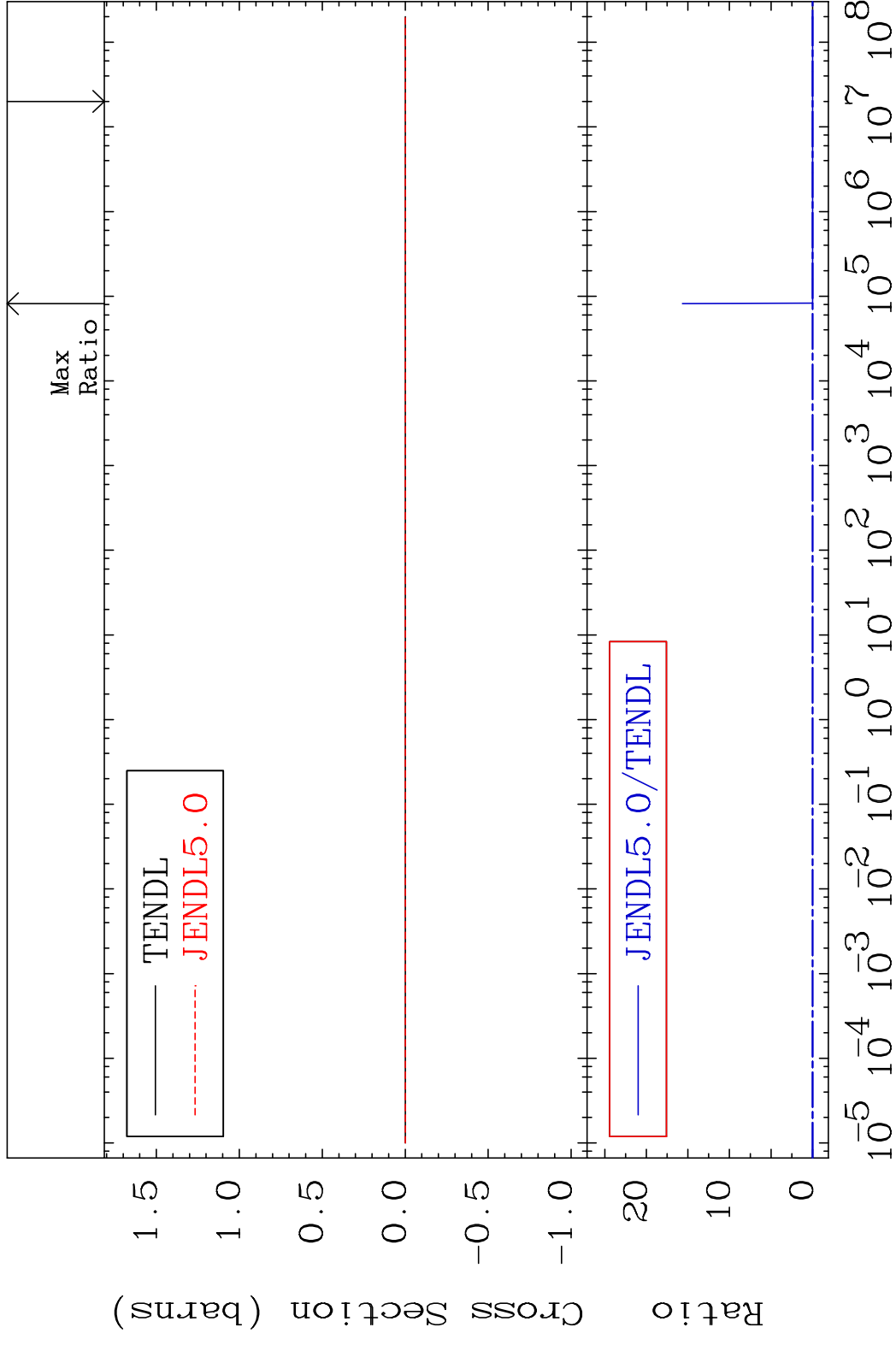
MAT 5525 Kerma non-elastic (all but mt2) 55-Cs-133  
 Cross Section -99.93 To 9999. %



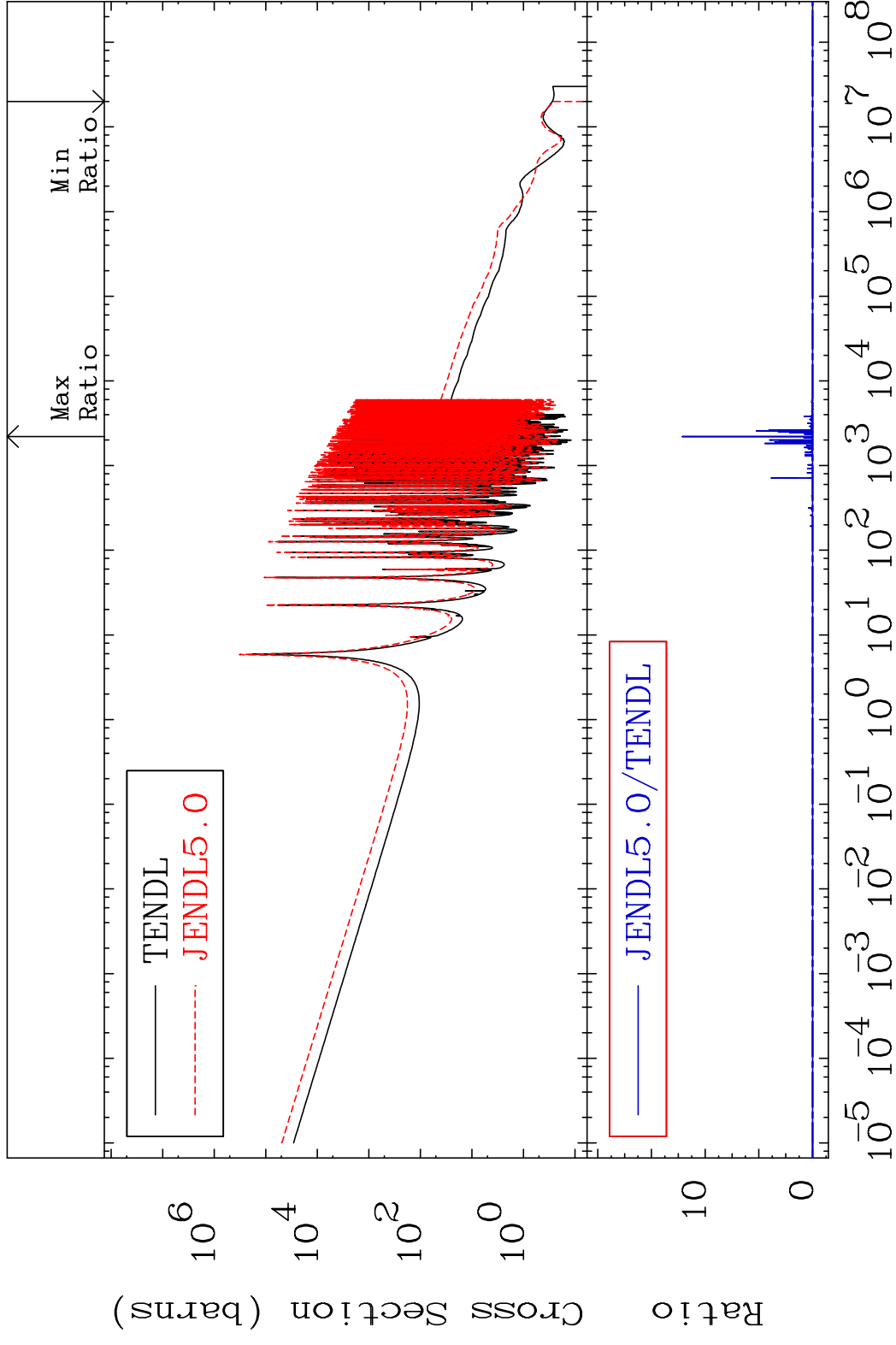
MAT 5525 Kerma inelastic (mt51-91) 55-Cs-133  
 Cross Section -100.0 To 9999. %



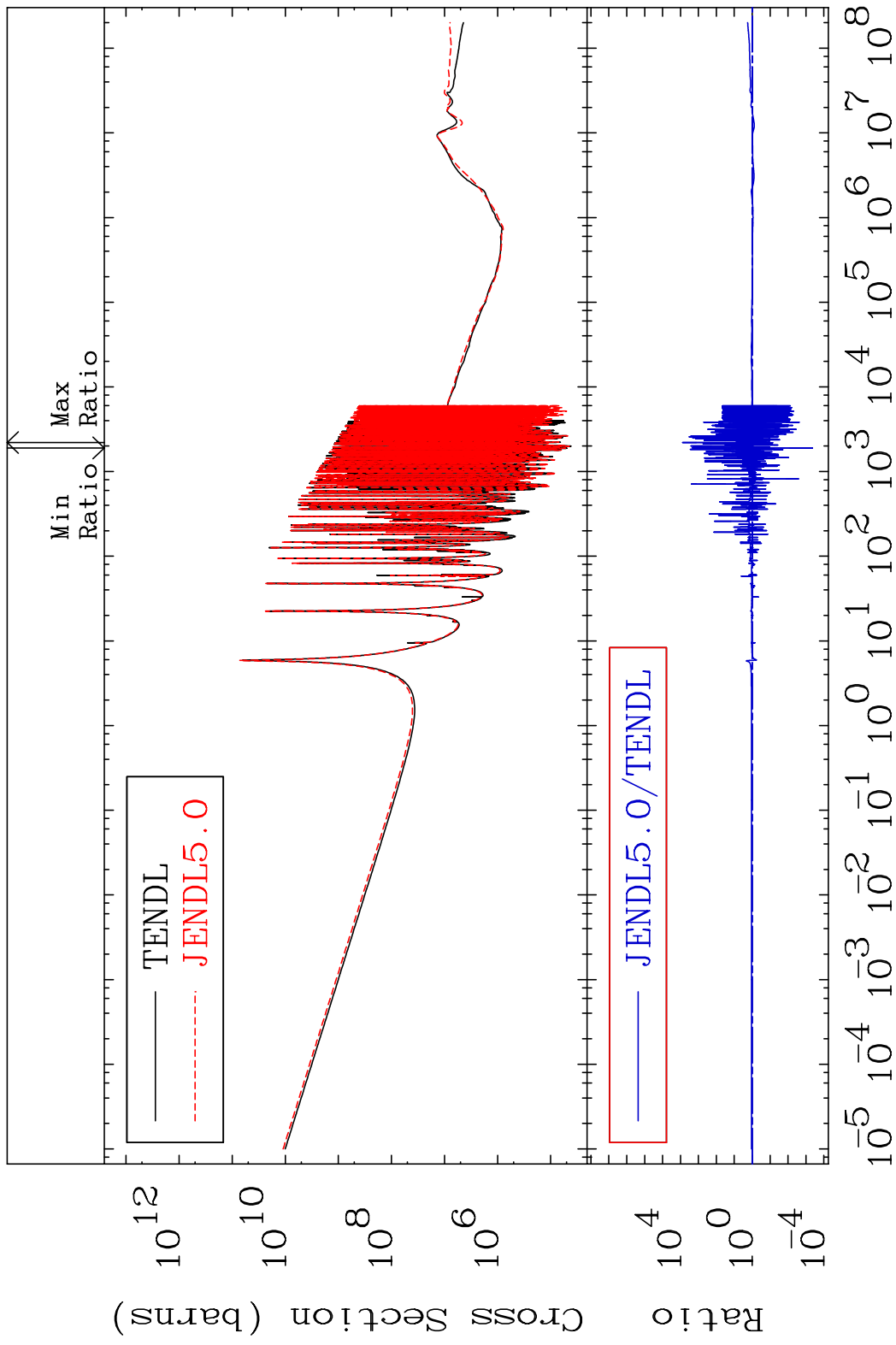
MAT 5525 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-133  
 Cross Section -100.0 To 9999. %



MAT 5525 Kerma capture (mt102) 55-Cs-133  
 Cross Section -100.0 To 9999. %



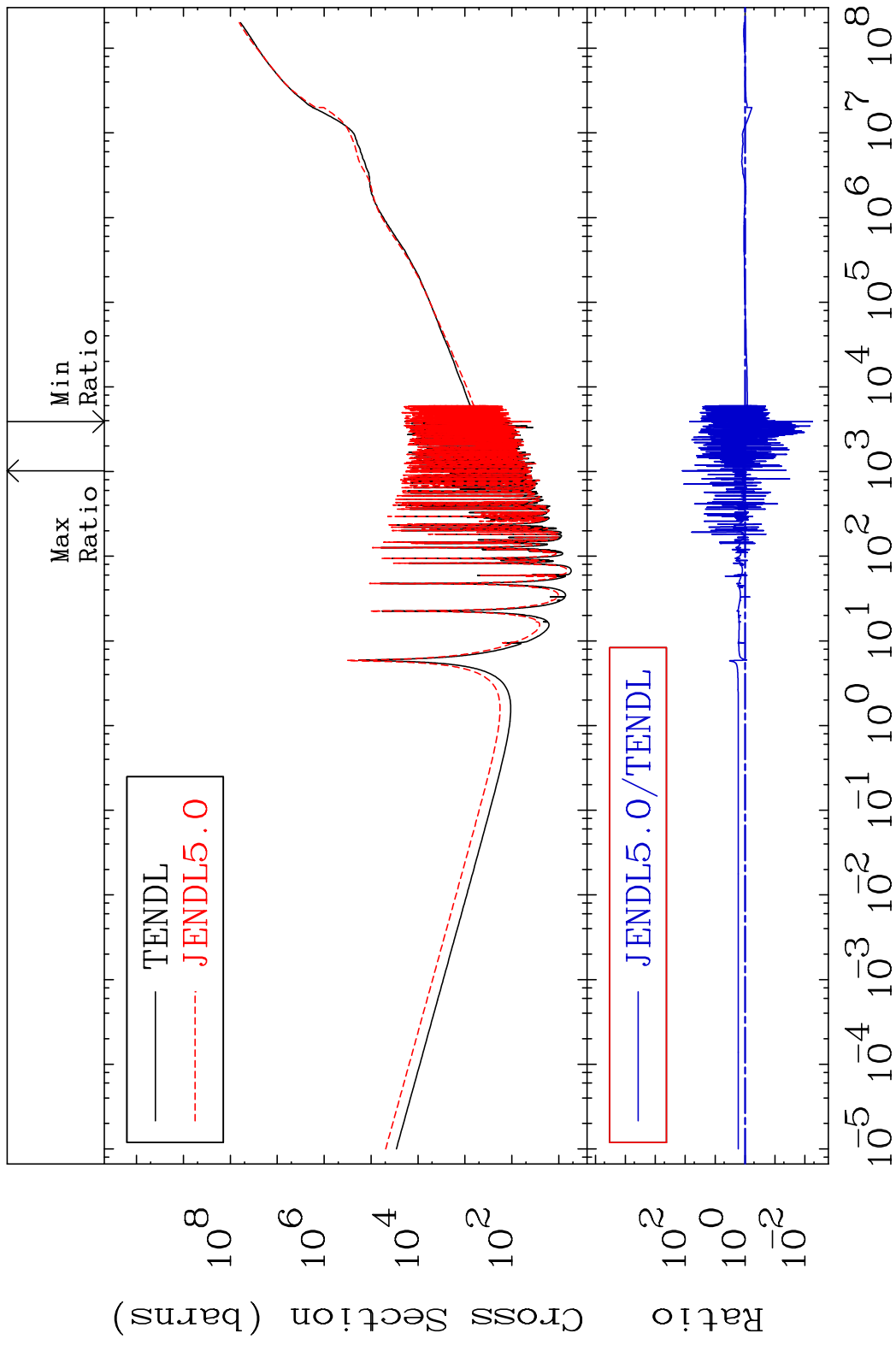
MAT 5525 Total photon (eV-barns) 55-Cs-133  
 Cross Section -99.96 To 9999. %



55 Incident Energy (eV) 55-Cs-133



MAT 5525 Total kinematic kerma (high limit) 55-Cs-133  
 Cross Section -99.45 To 9999. %

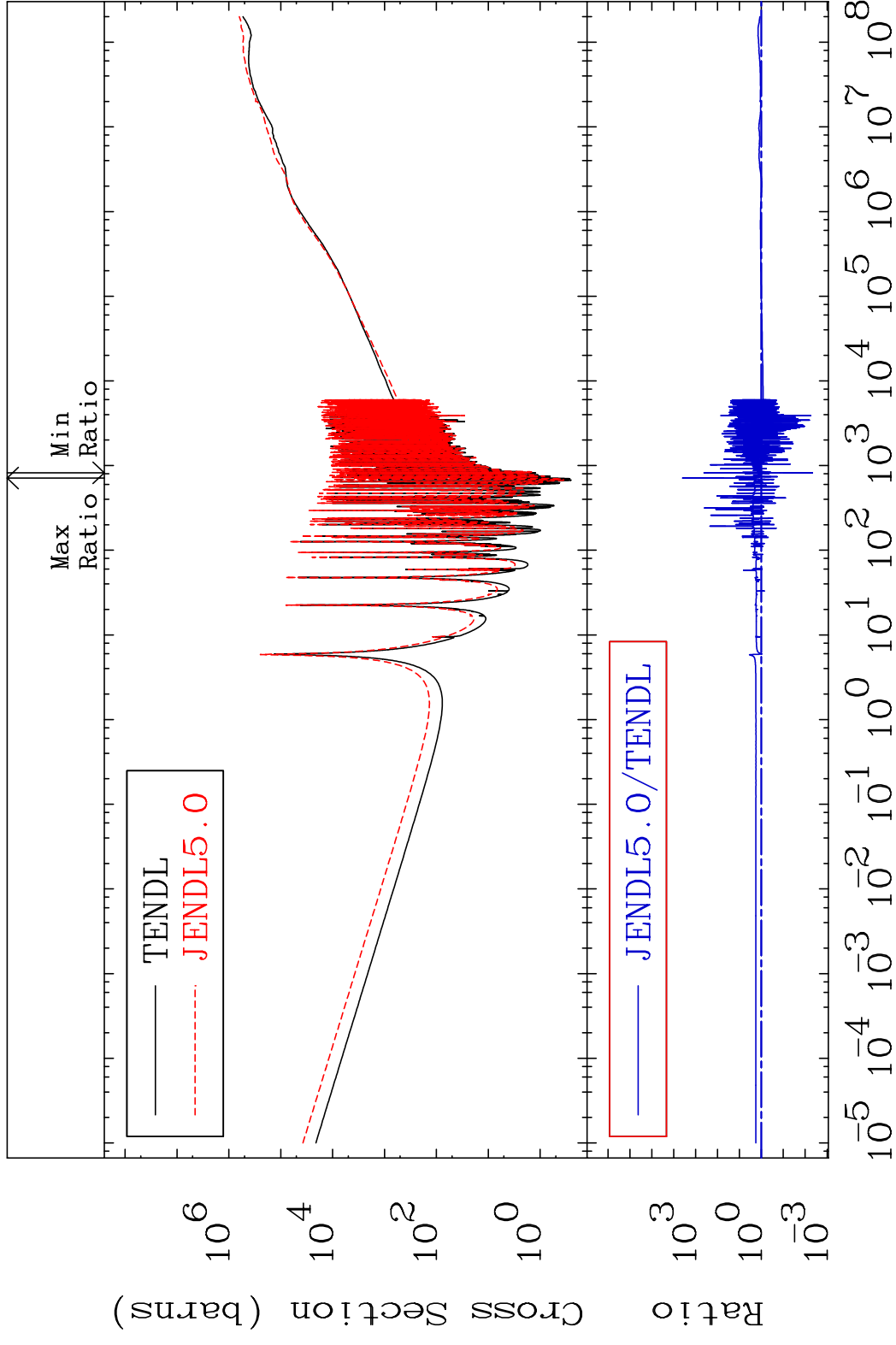


MAT 5525

Dpa total (eV-barns)

55-Cs-133

Cross Section -99.54 To 9999. %



57

Incident Energy (eV)

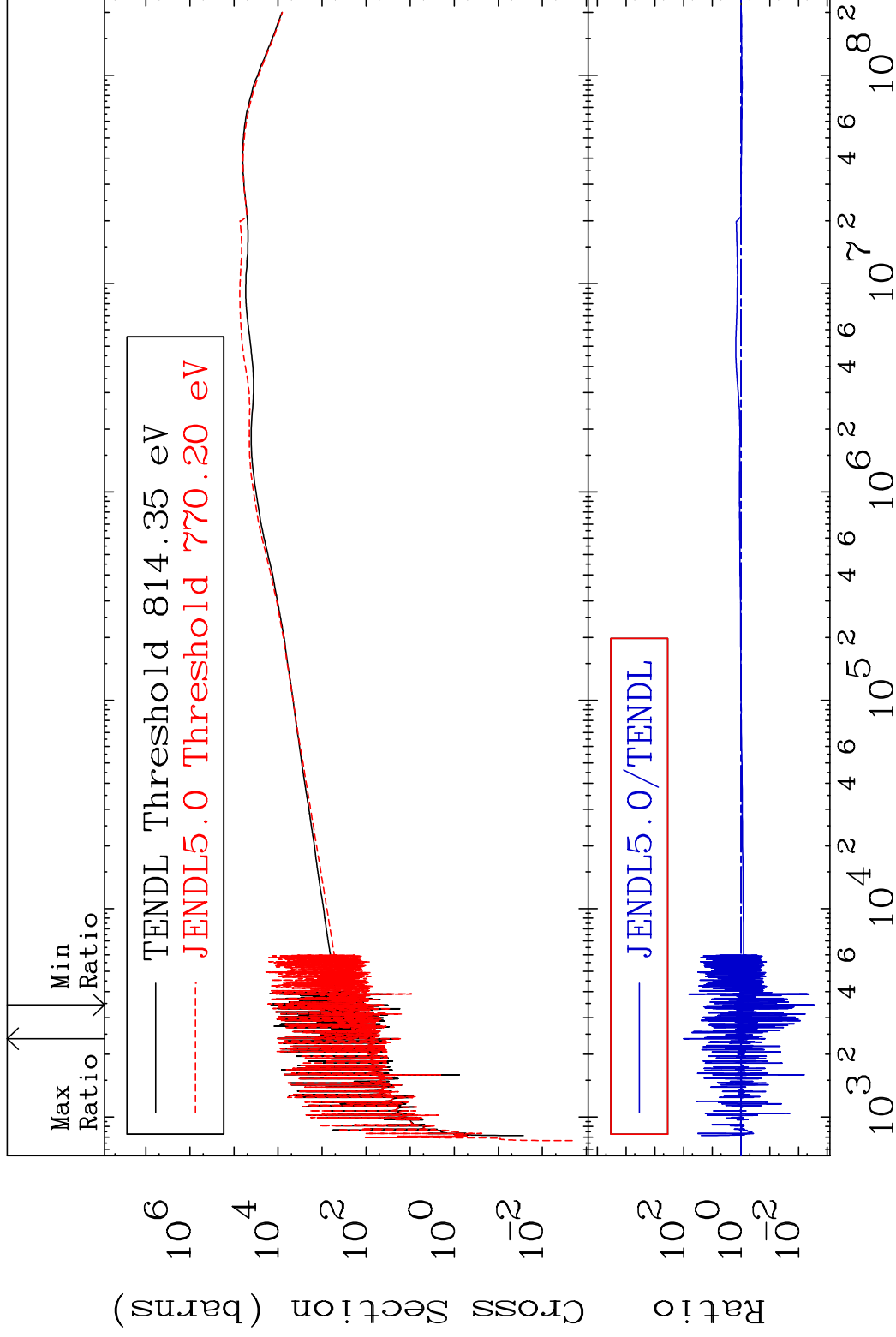
55-Cs-133

MAT 5525

Dpa elastic (mt2)

55-Cs-133

Cross Section -99.71 To 9873. %

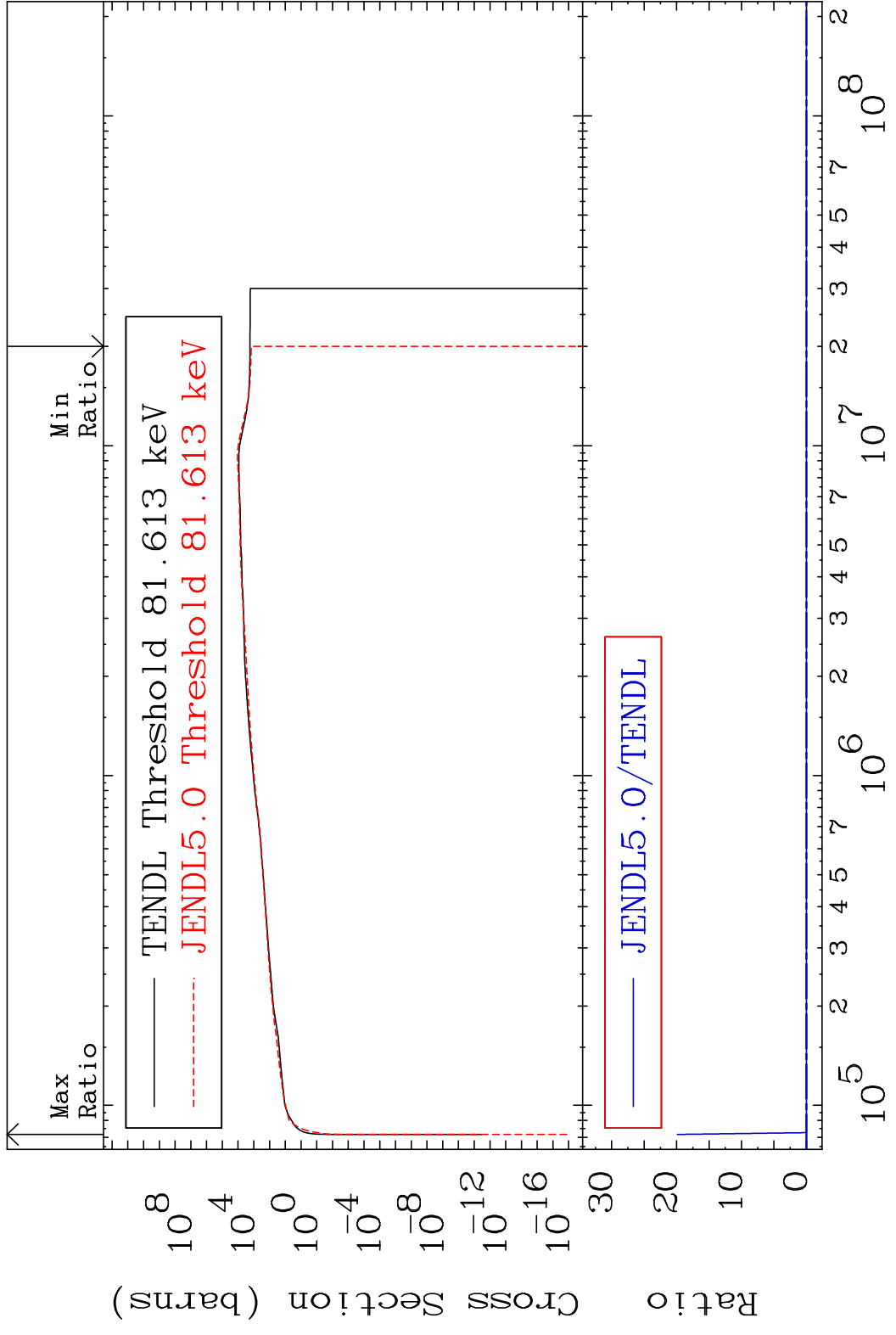


58

Incident Energy (eV)

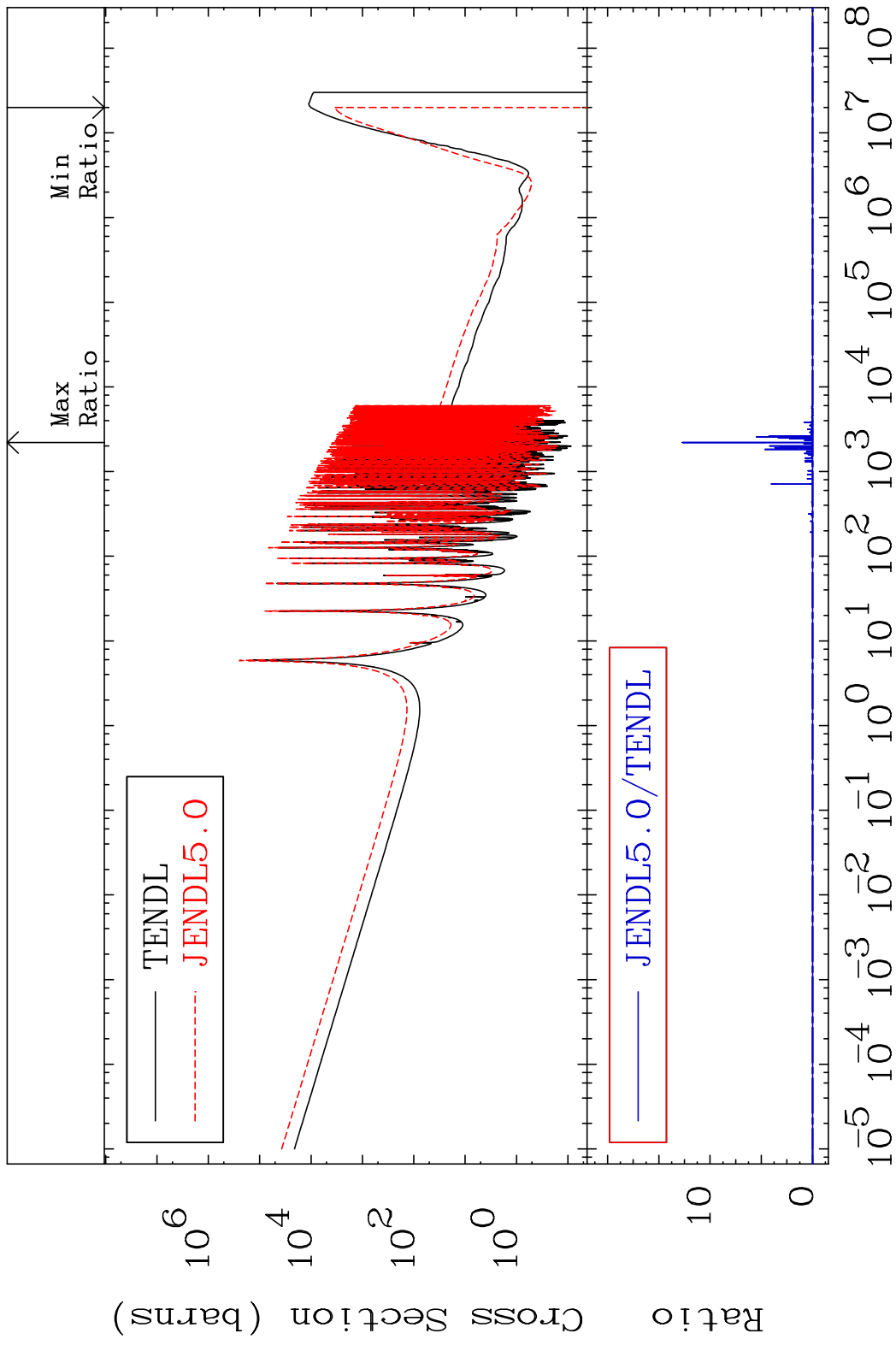
55-Cs-133

MAT 5525 Dpa inelastic (mt51-91) 55-Cs-133  
 Cross Section -100.0 To 9999. %



59 Incident Energy (eV) 55-Cs-133

MAT 5525 Dpa disappearance (mt102 -120) 55-Cs-133  
Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 55-Cs-133

