

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](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

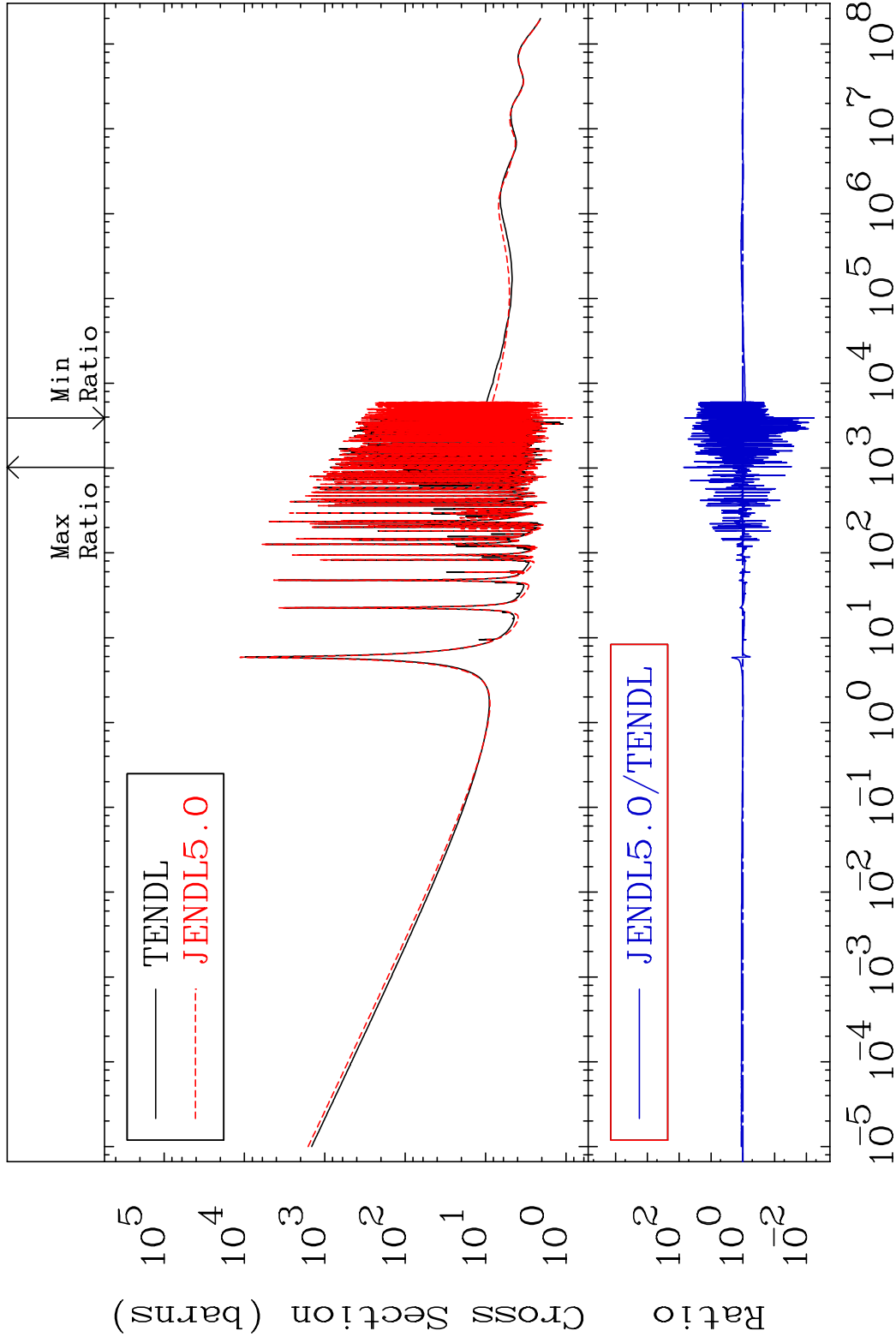
Press Mouse Button to Start

MAT 5525

Total

55-Cs-133

Cross Section -99.43 To 7158. %



1

Incident Energy (eV)

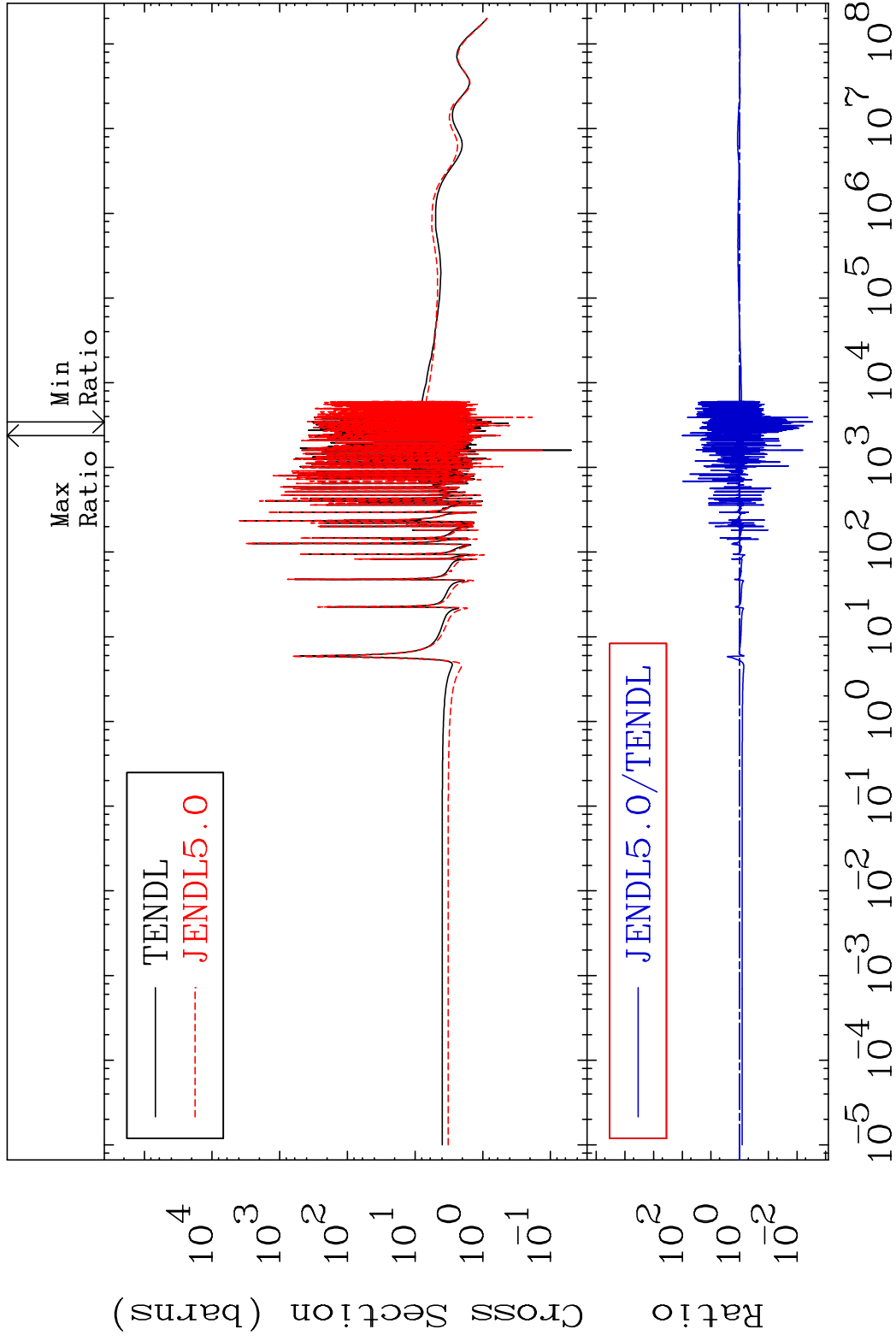
55-Cs-133

MAT 5525

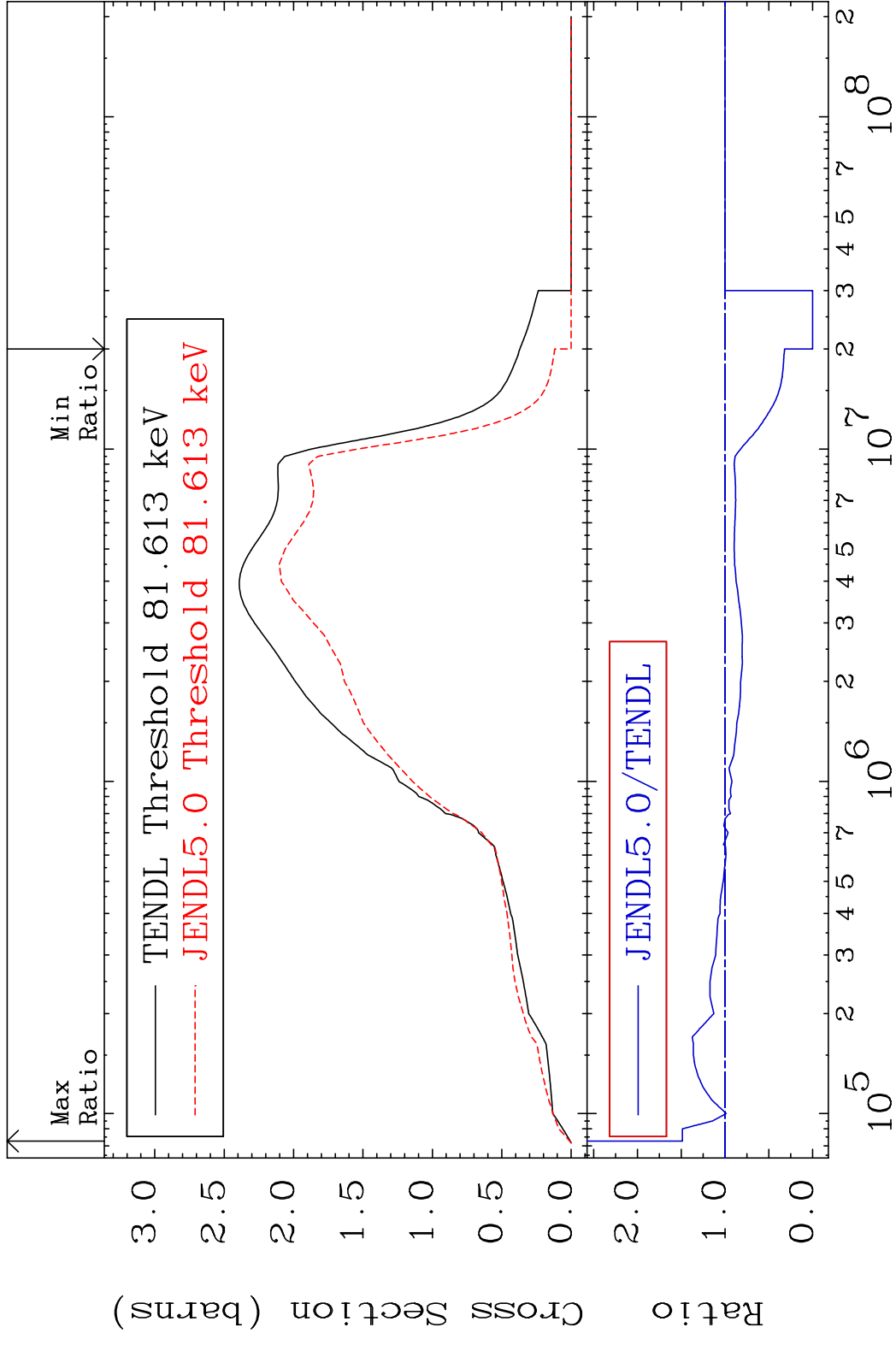
Elastic

55-Cs-133

Cross Section -99.71 To 9844. %



MAT 5525 Inelastic 55-Cs-133  
 Cross Section -100.0 To 48.76 %



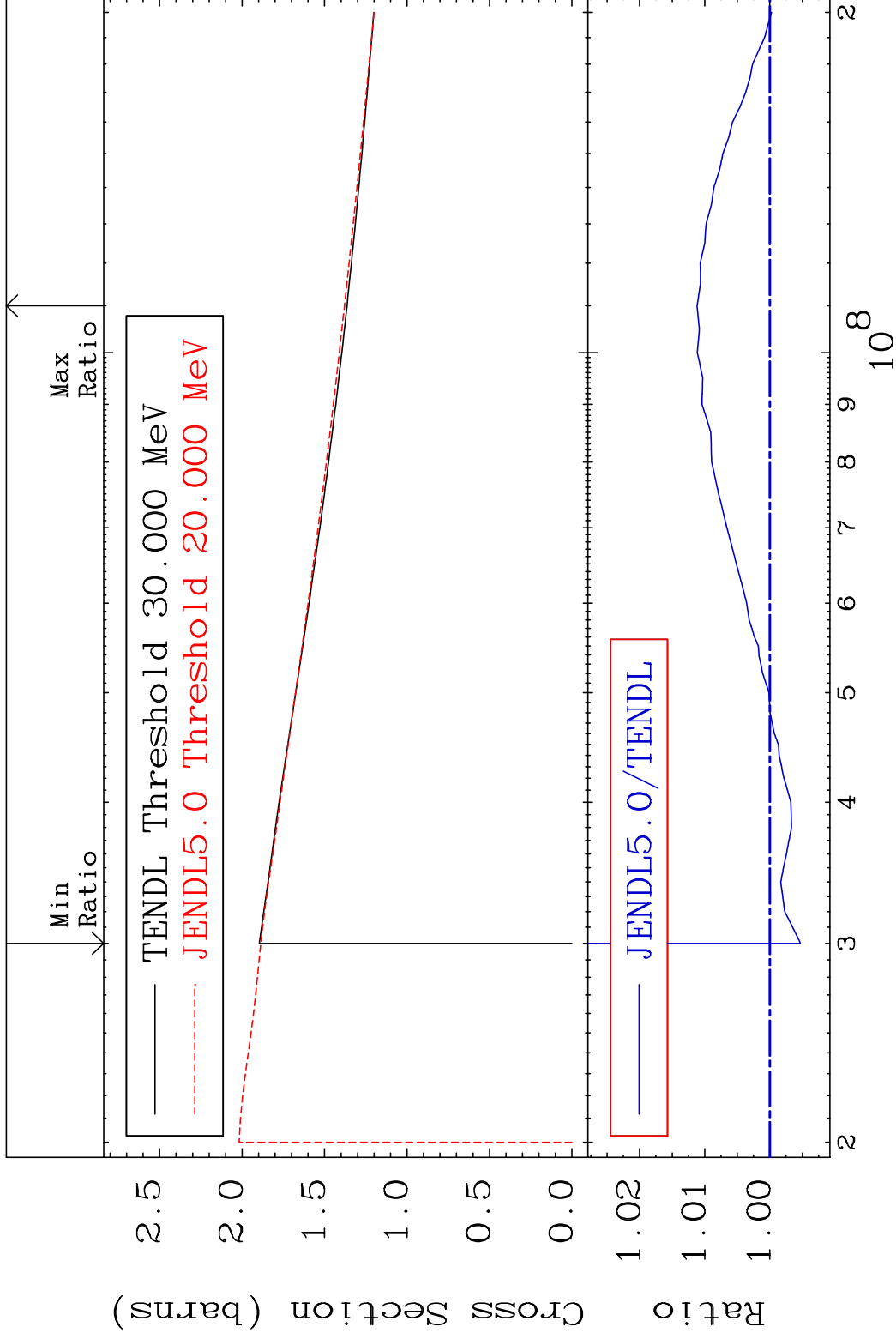
3 55-Cs-133

MAT 5525

(n, remainder)

55-Cs-133

Cross Section -0.471 To 1.118 %



4

Incident Energy (eV)

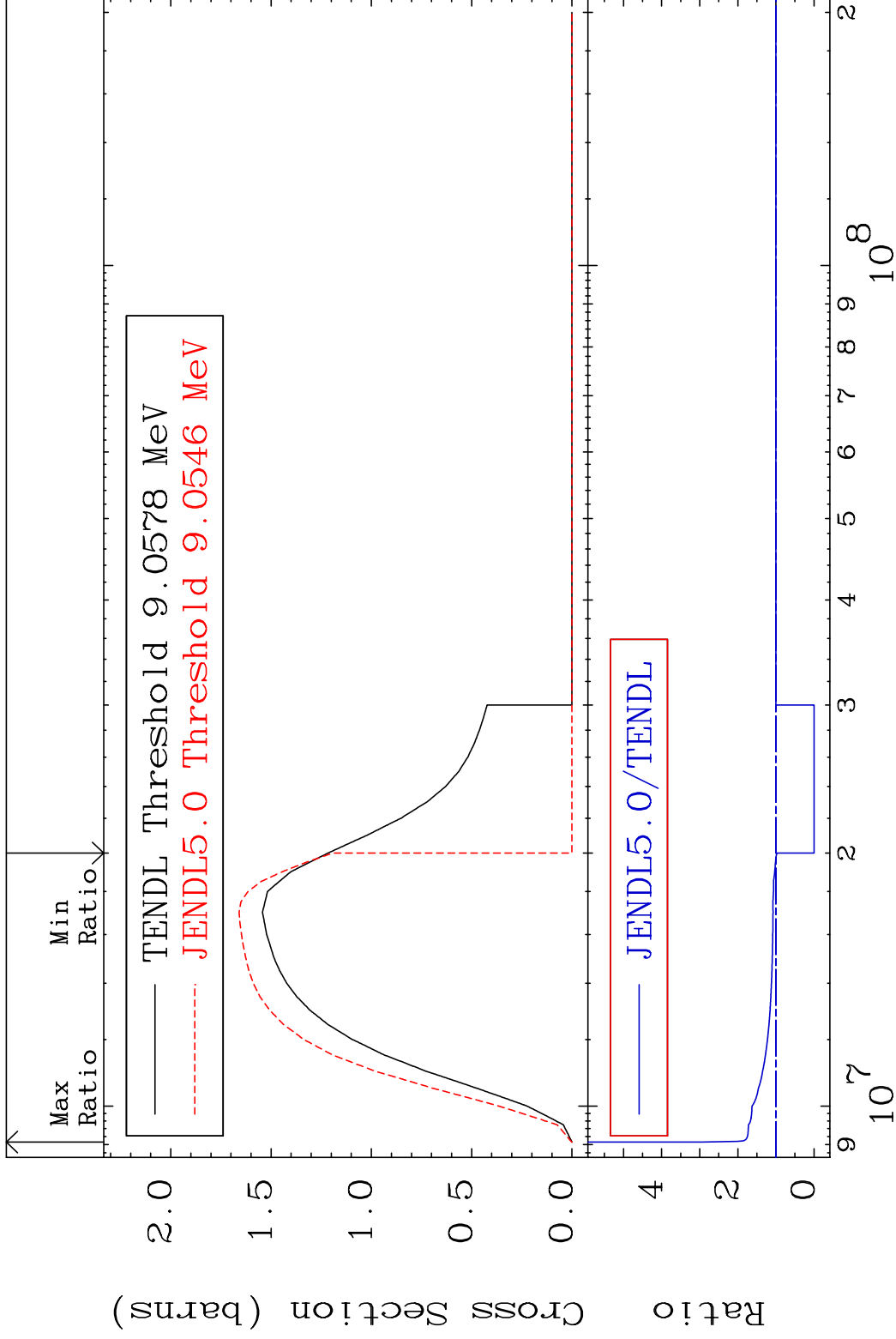
55-Cs-133

MAT 5525

(n,2n)

55-Cs-133

Cross Section -100.0 To 242.6 %



5

Incident Energy (eV)

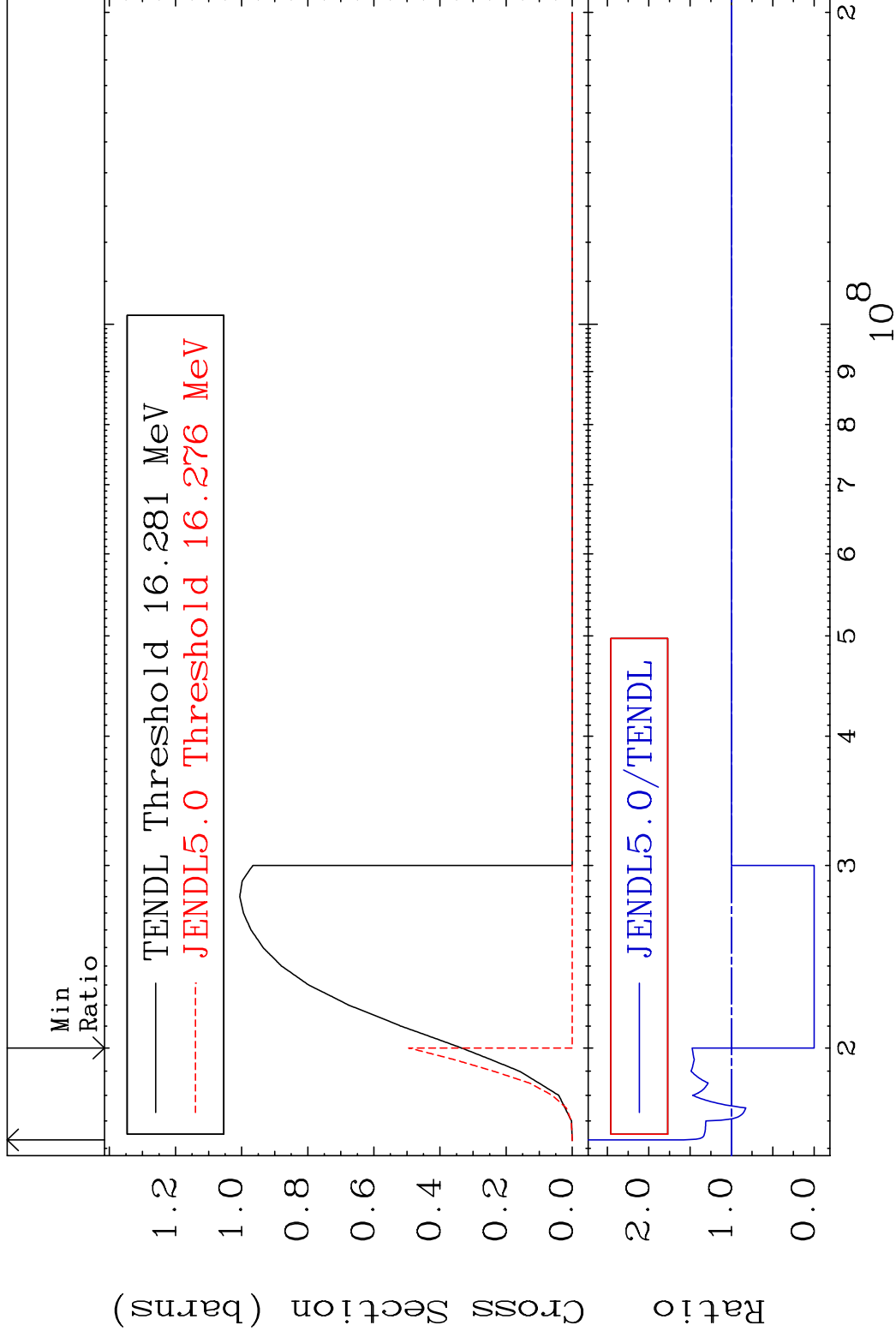
55-Cs-133

MAT 5525

(n,3n)

55-Cs-133

Cross Section -100.0 To 57.83 %

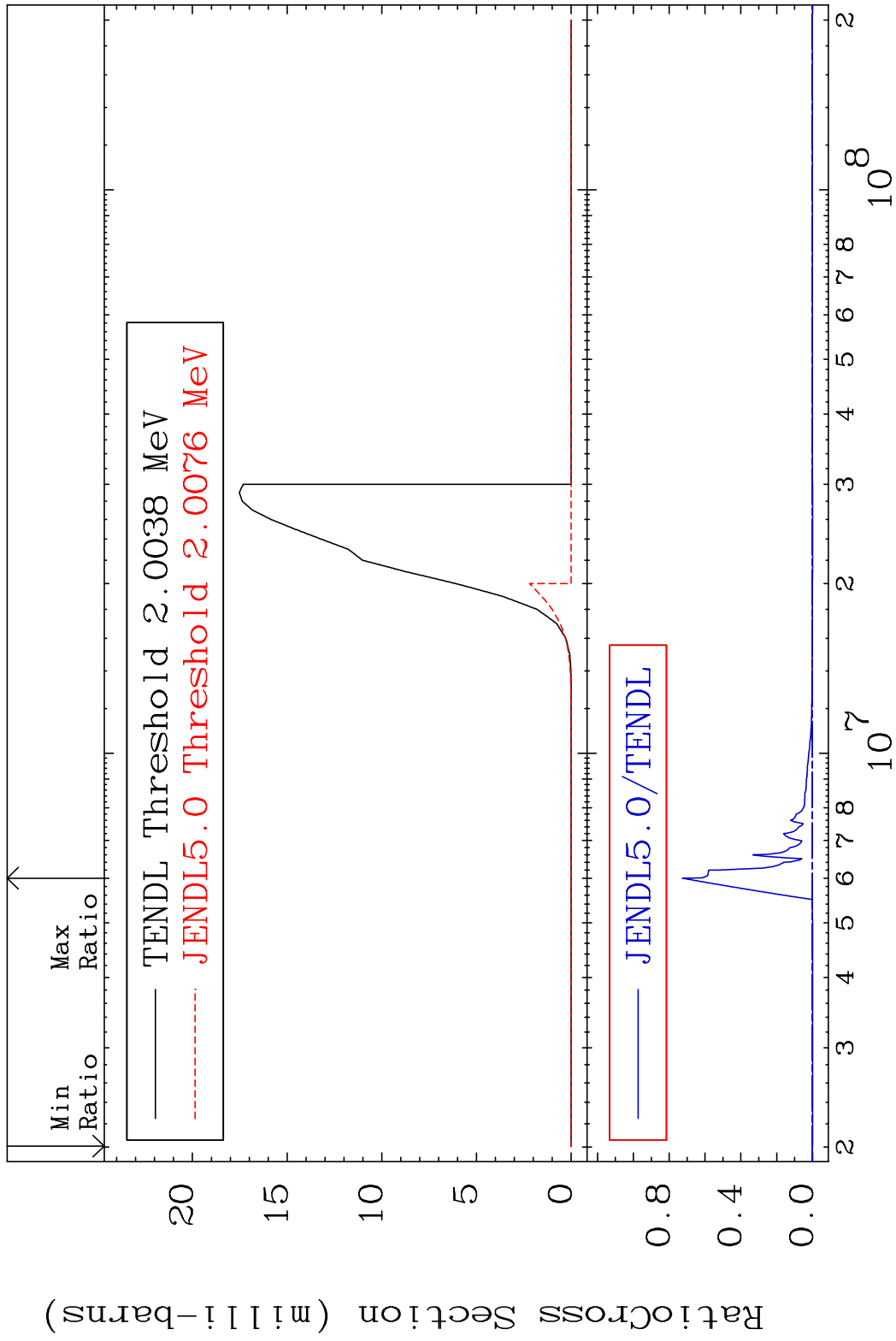


MAT 5525

(n, n')  $\alpha$

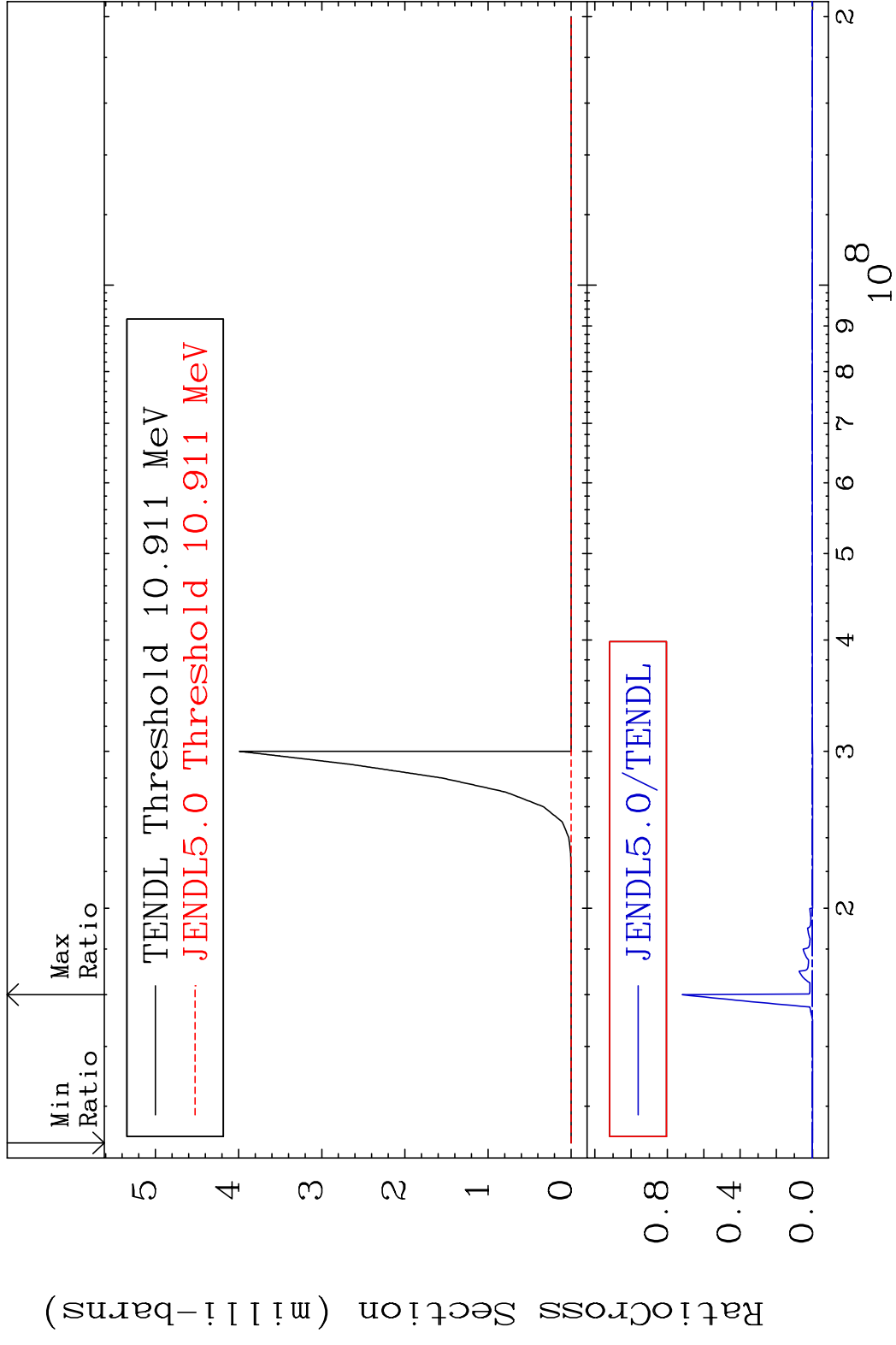
55-Cs-133

Cross Section -100.0 To 9999. %





MAT 5525 (n,2n)  $\alpha$  55-Cs-133  
Cross Section -100.0 To 9999. %

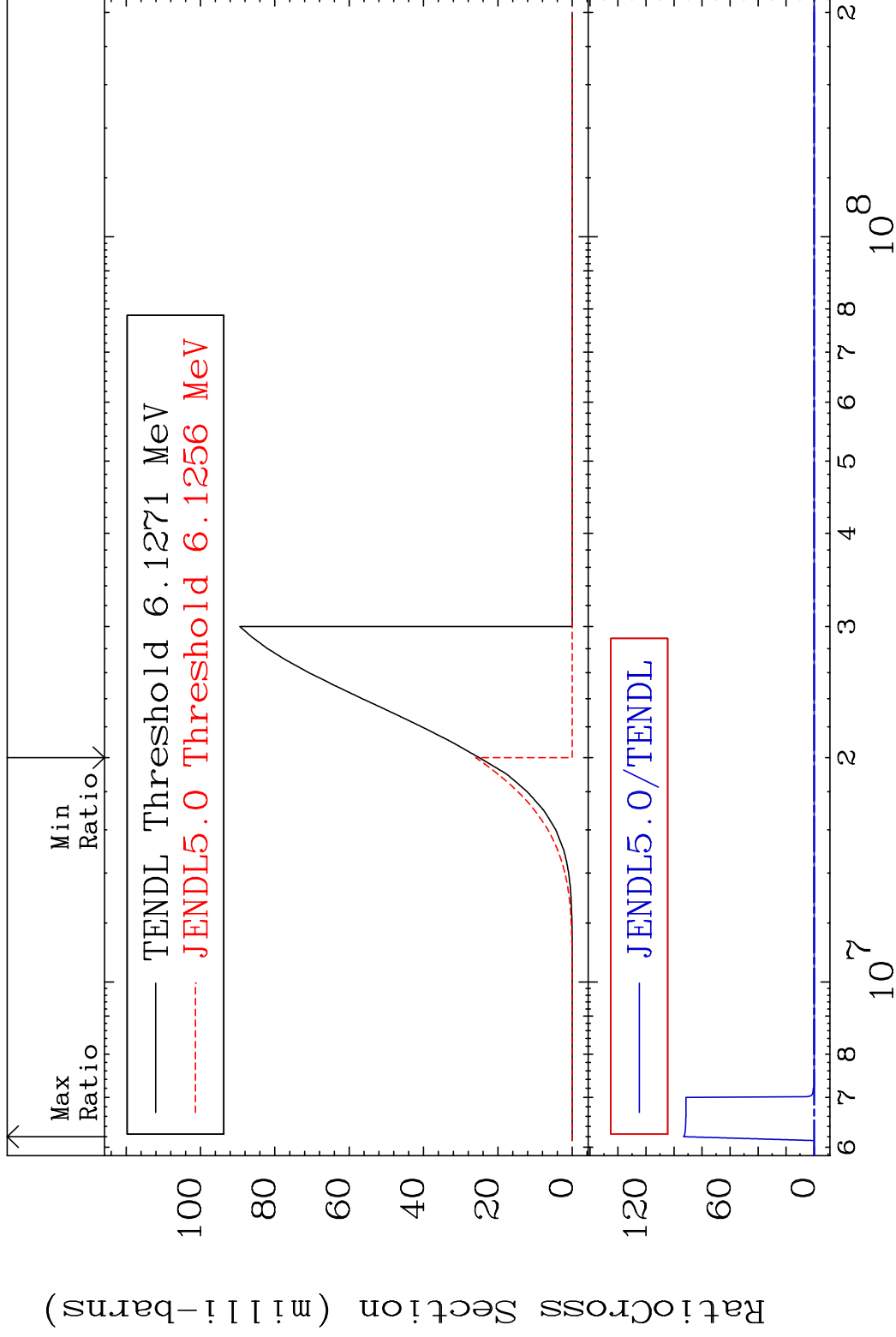


MAT 5525

55-Cs-133

(n,n') p

Cross Section -100.0 To 9999. %

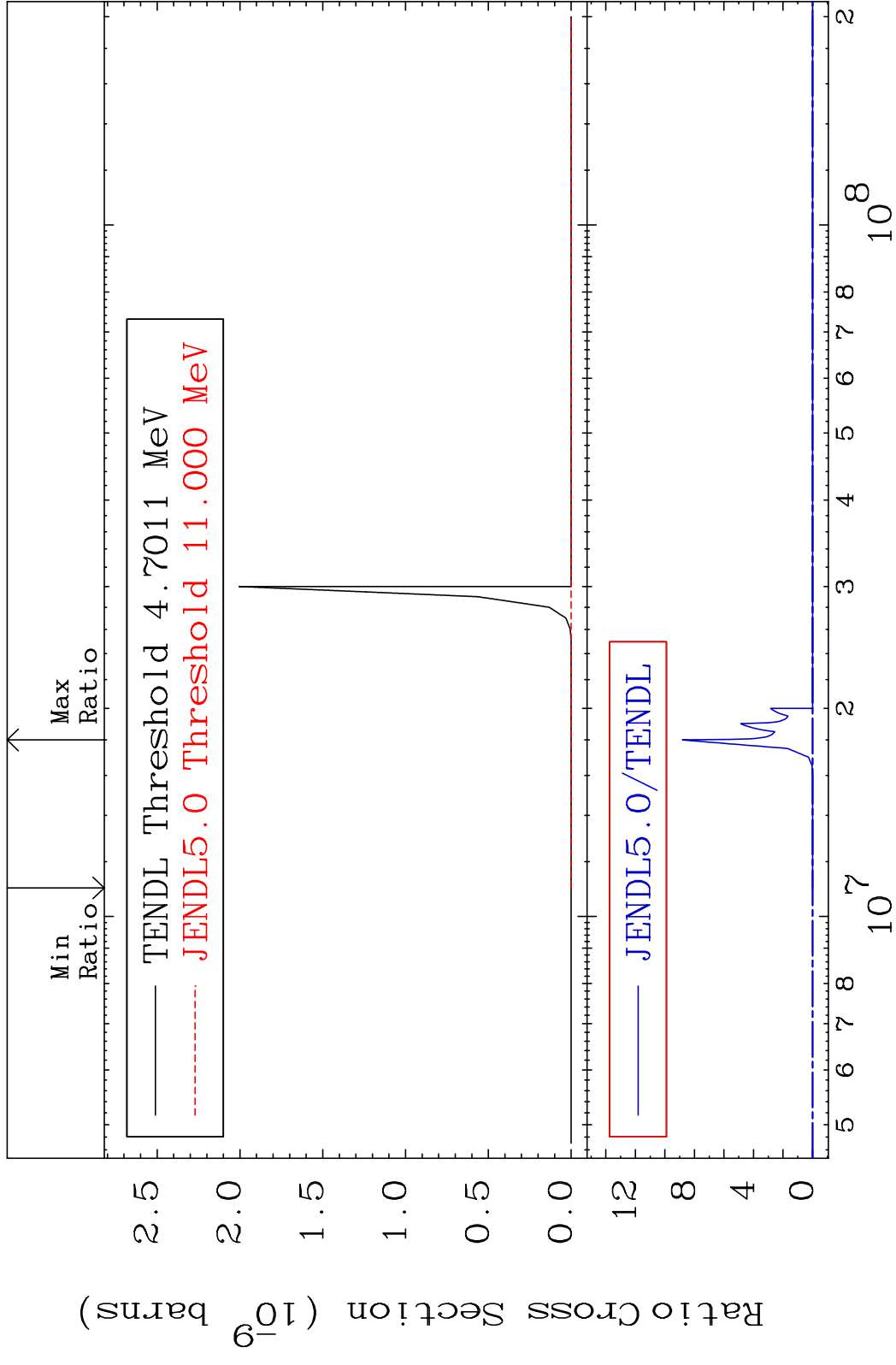


9

Incident Energy (eV)

55-Cs-133

MAT 5525 (n, n') 2α 55-Cs-133  
 Cross Section -100.0 To 9999. %



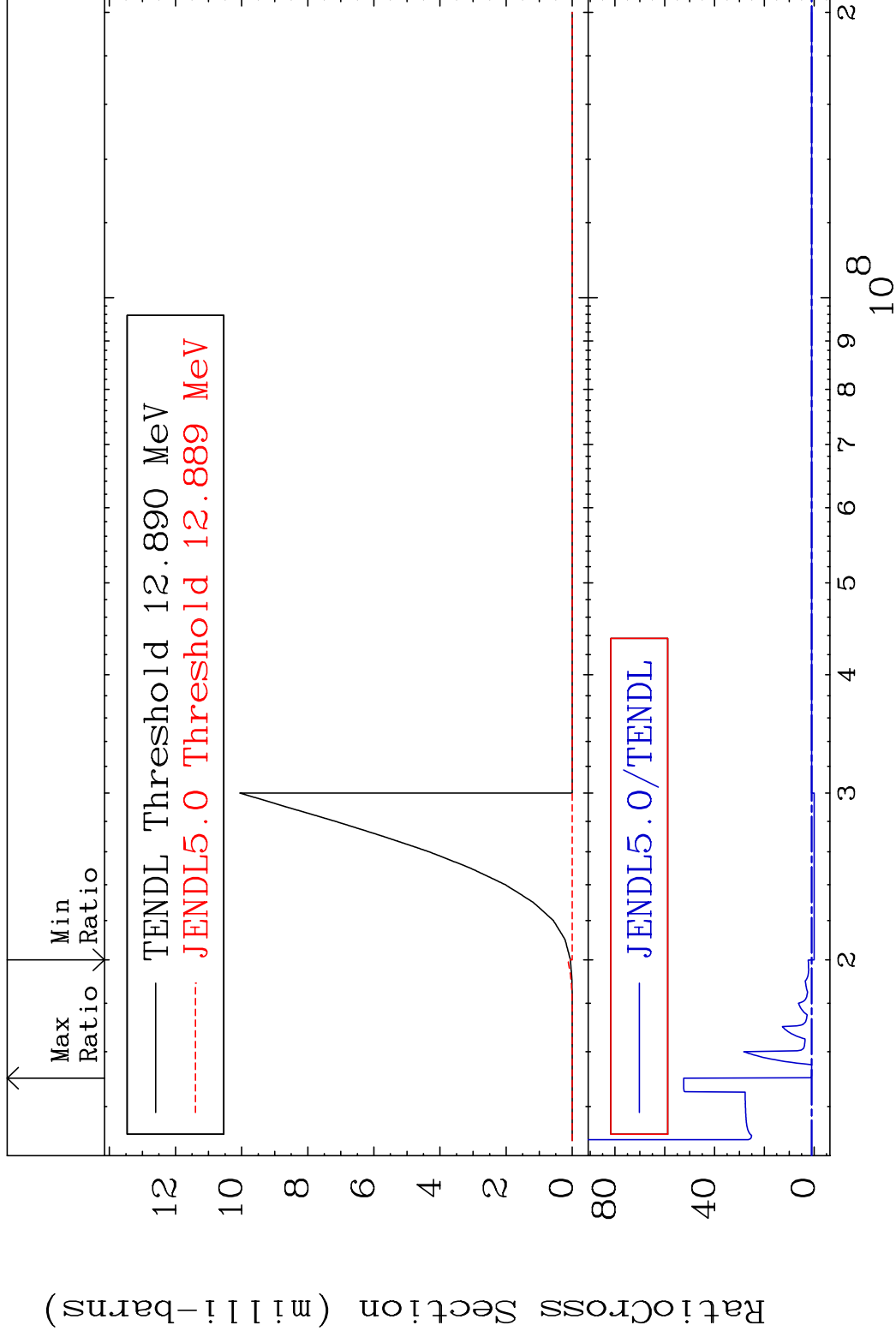
10 Incident Energy (eV) 55-Cs-133

MAT 5525

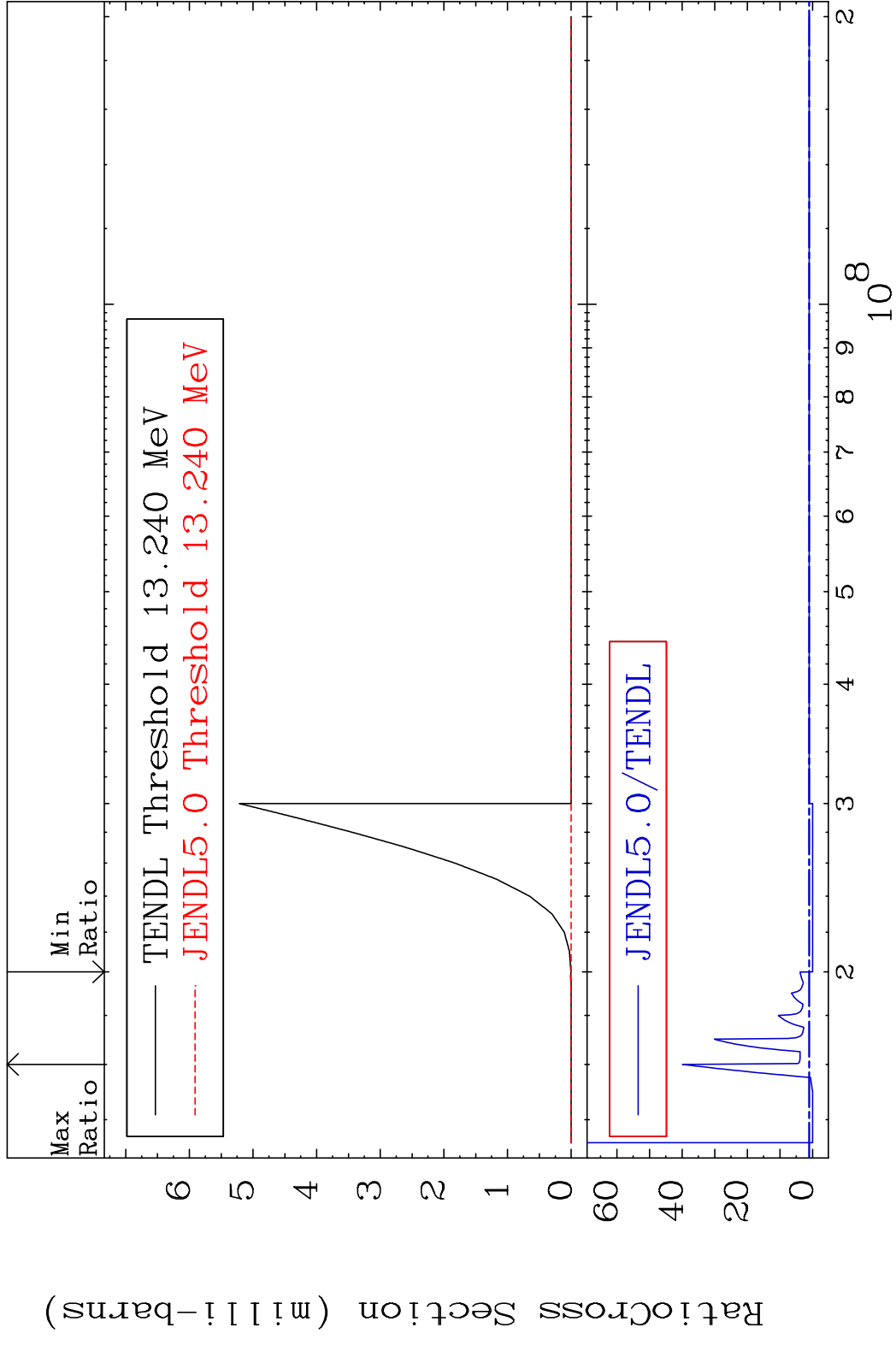
(n, n') d

55-Cs-133

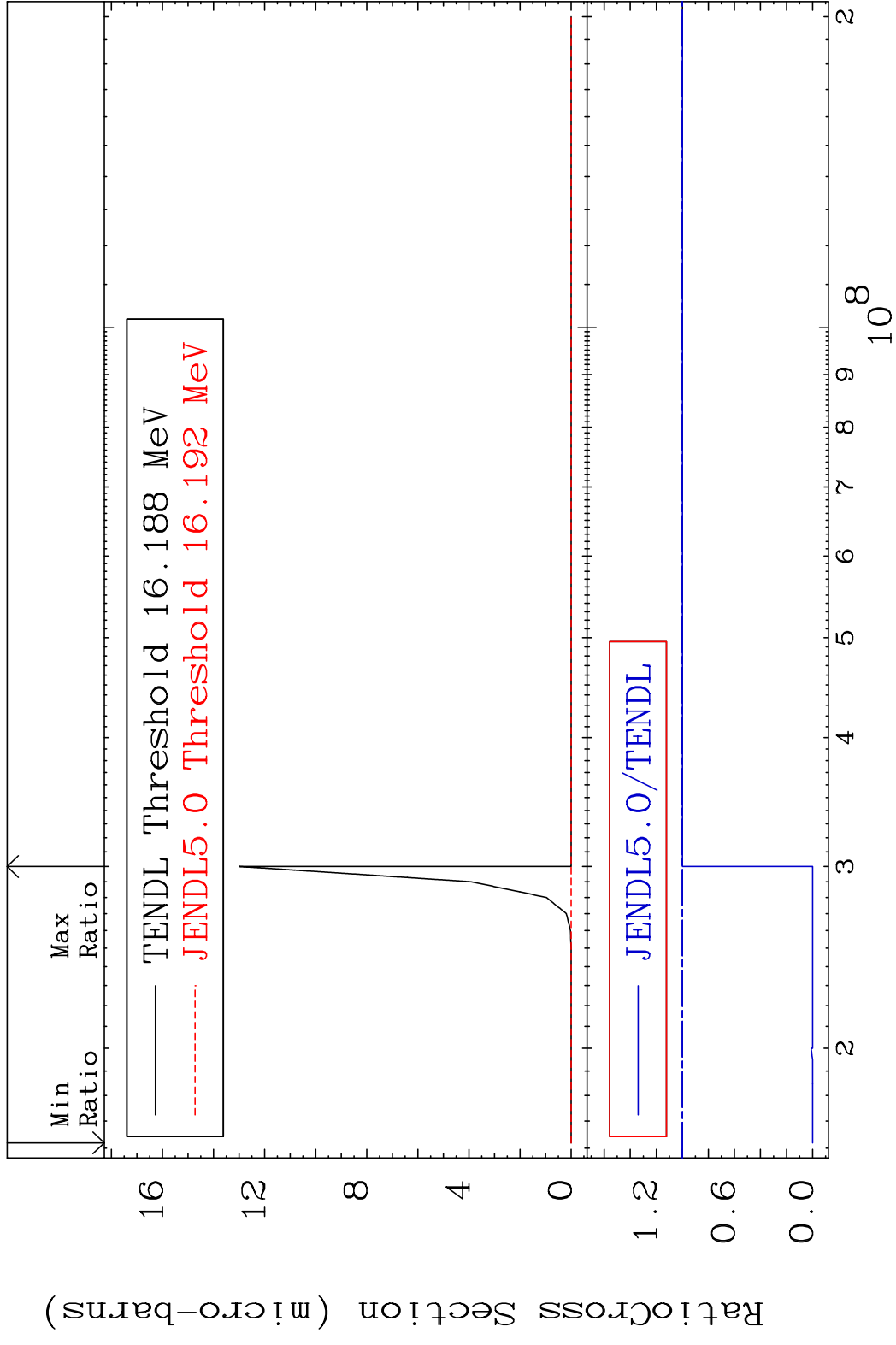
Cross Section -100.0 To 5142. %



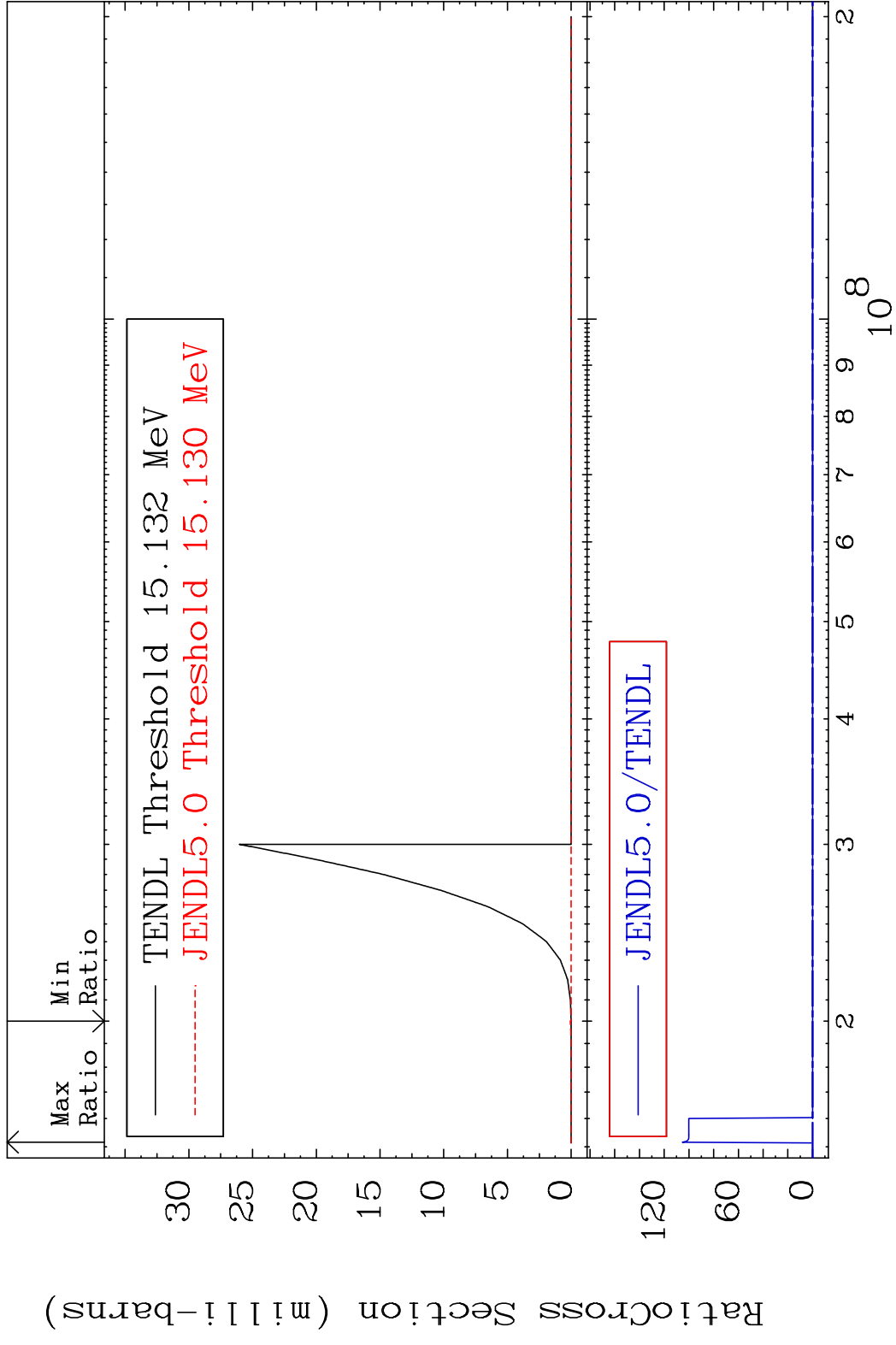
MAT 5525 (n, n') t 55-Cs-133  
 Cross Section -100.0 To 3893. %



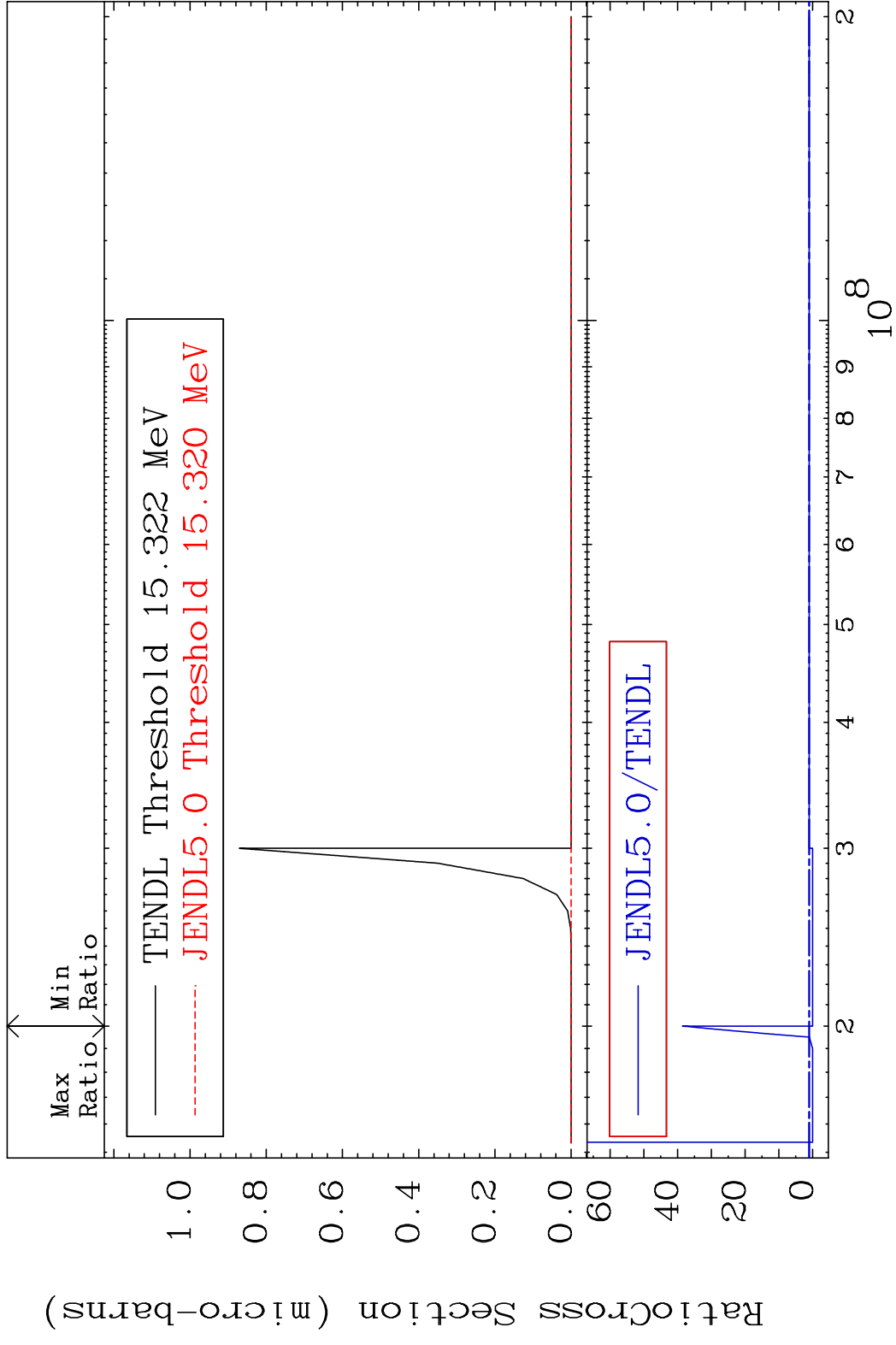
MAT 5525 (n,n') He-3 55-Cs-133  
Cross Section -100.0 To 0.000 %



MAT 5525 (n,2n) p 55-Cs-133  
 Cross Section -100.0 To 9999. %



MAT 5525 (n,2n) p 55-Cs-133  
 Cross Section -100.0 To 3760. %

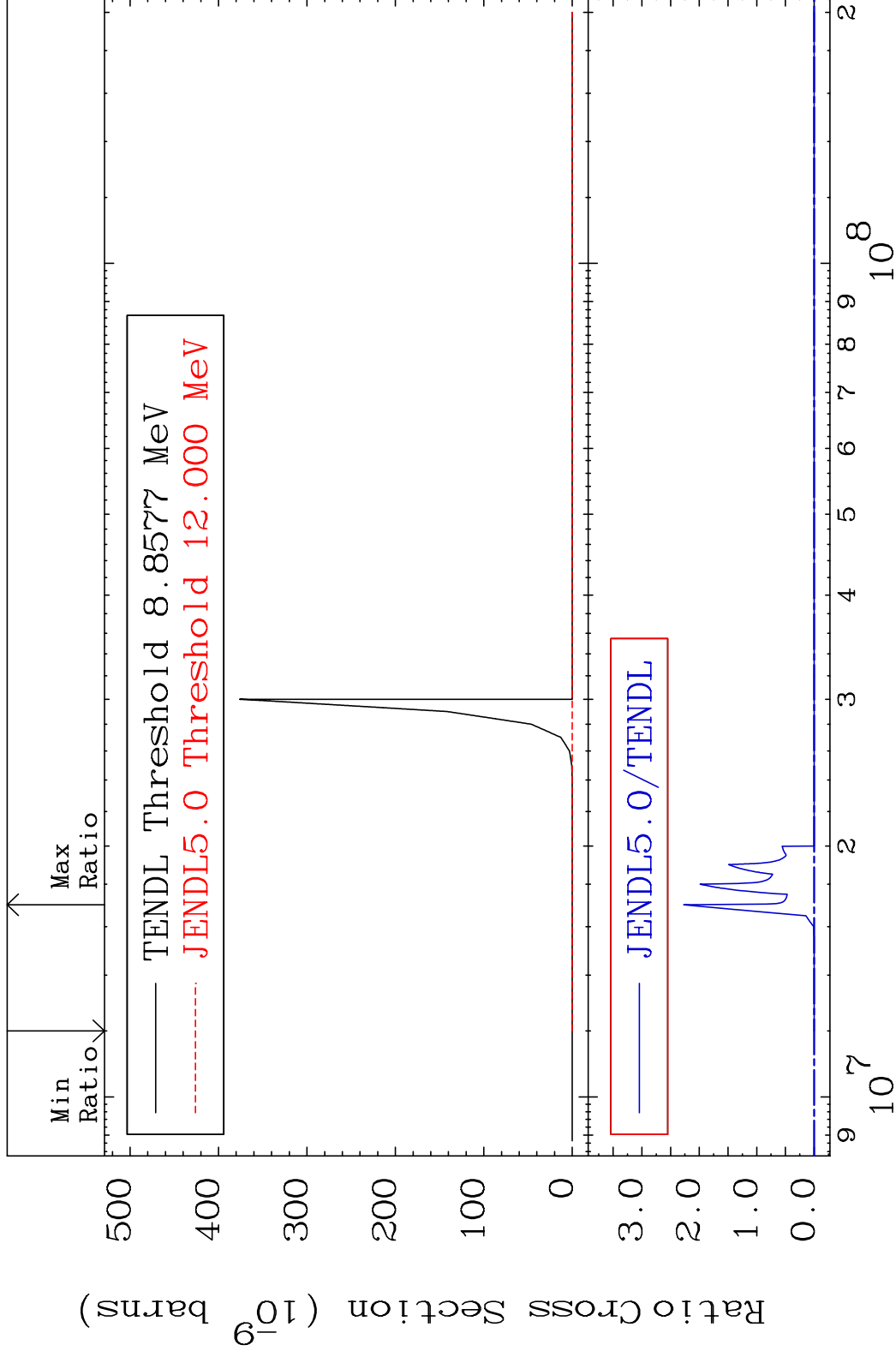




MAT 5525

(n,n') p  $\alpha$  55-Cs-133

Cross Section -100.0 To 9999. %

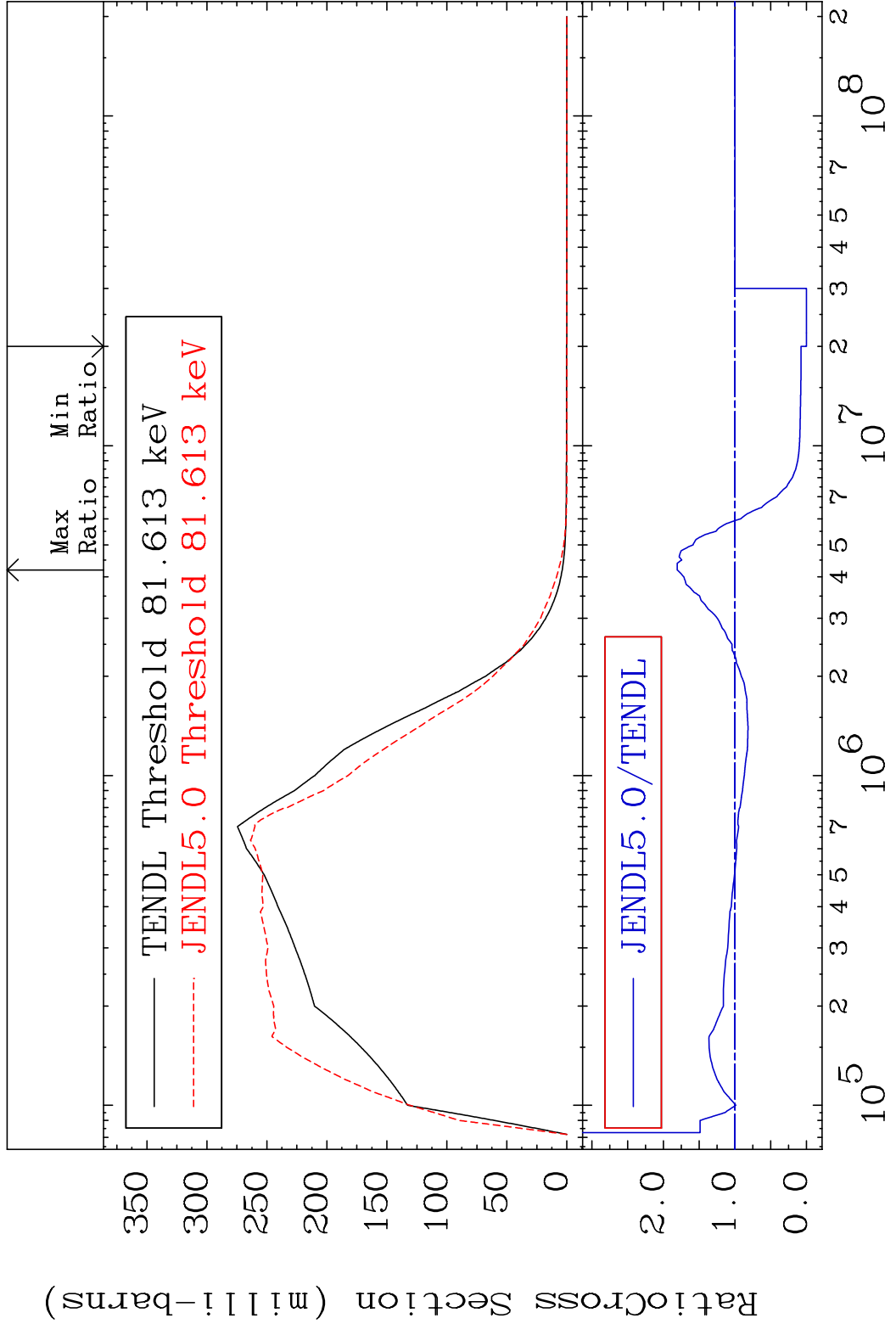


16

Incident Energy (eV)

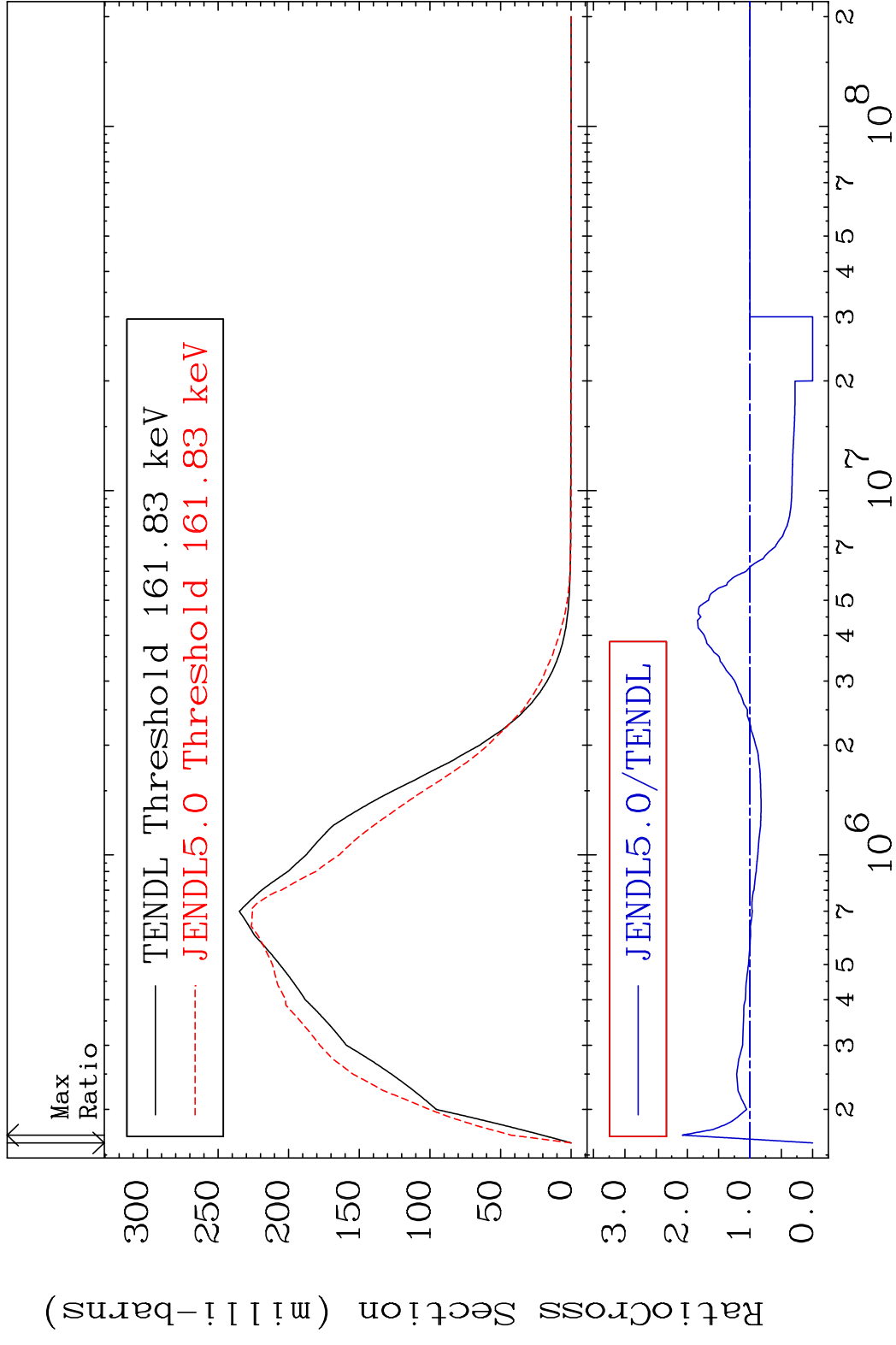
55-Cs-133

MAT 5525 MT= 51 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 80.67 %

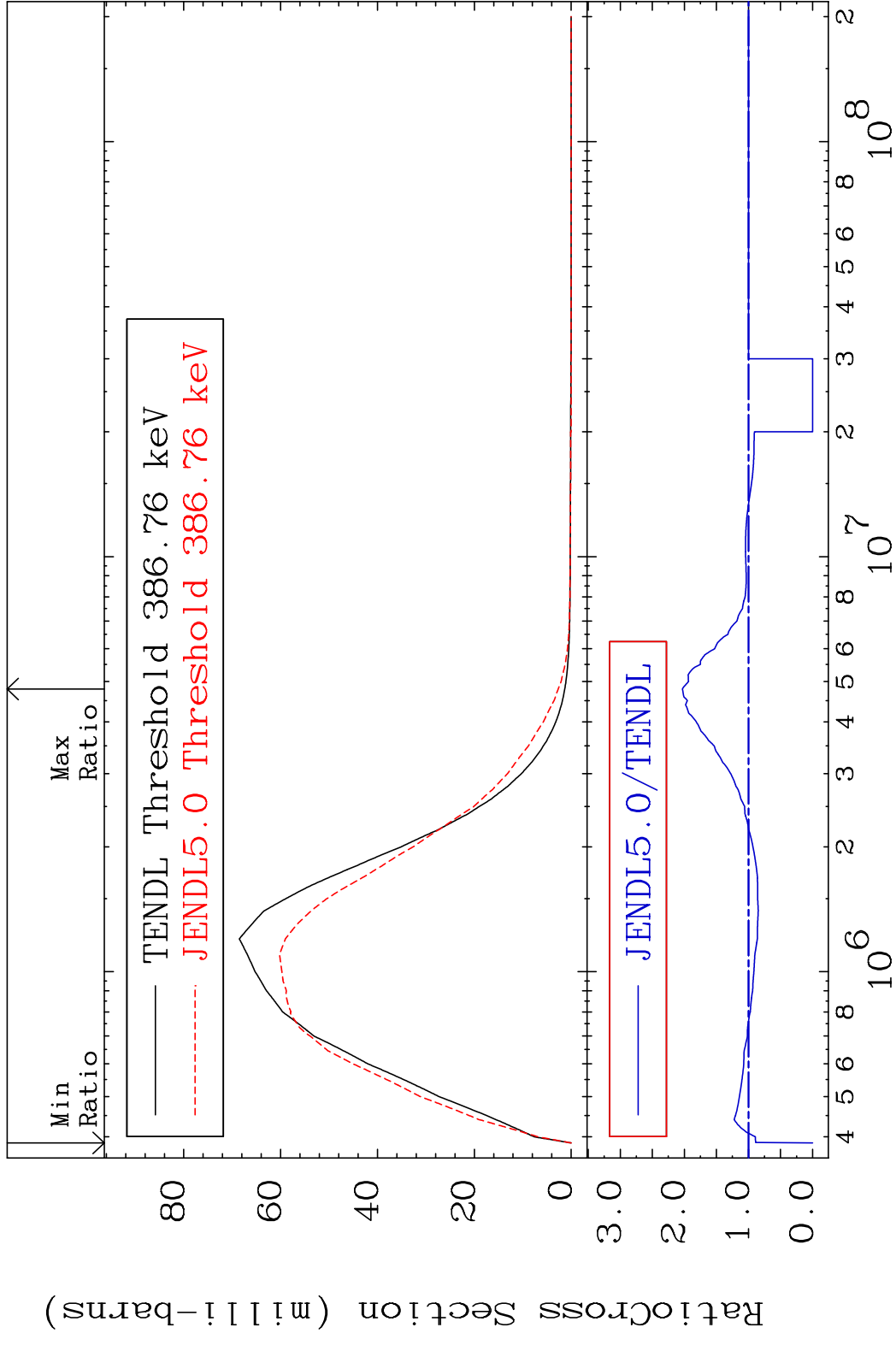


17 55-Cs-133

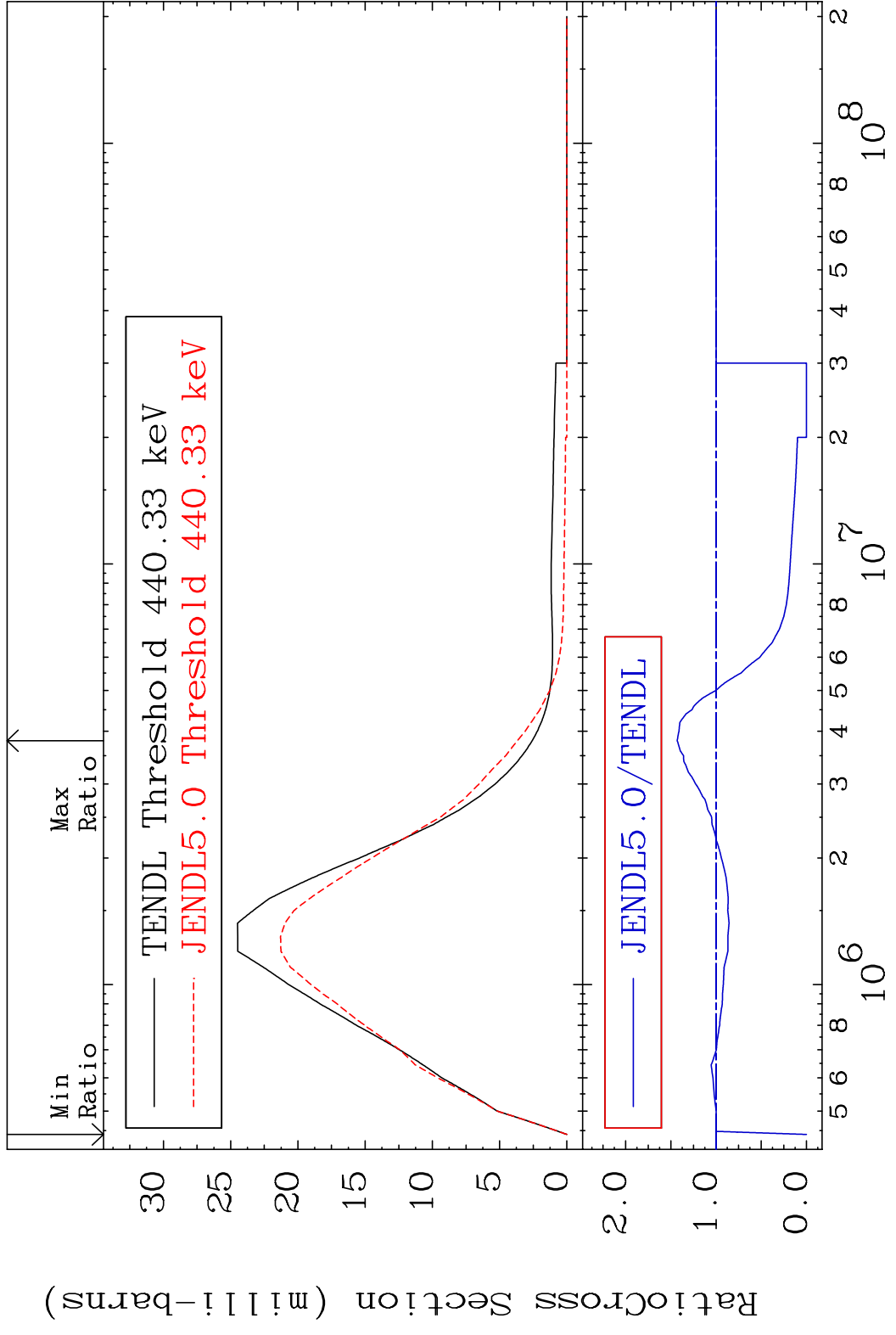
MAT 5525 MT= 52 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 108.1 %



MAT 5525 MT= 53 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 103.1 %

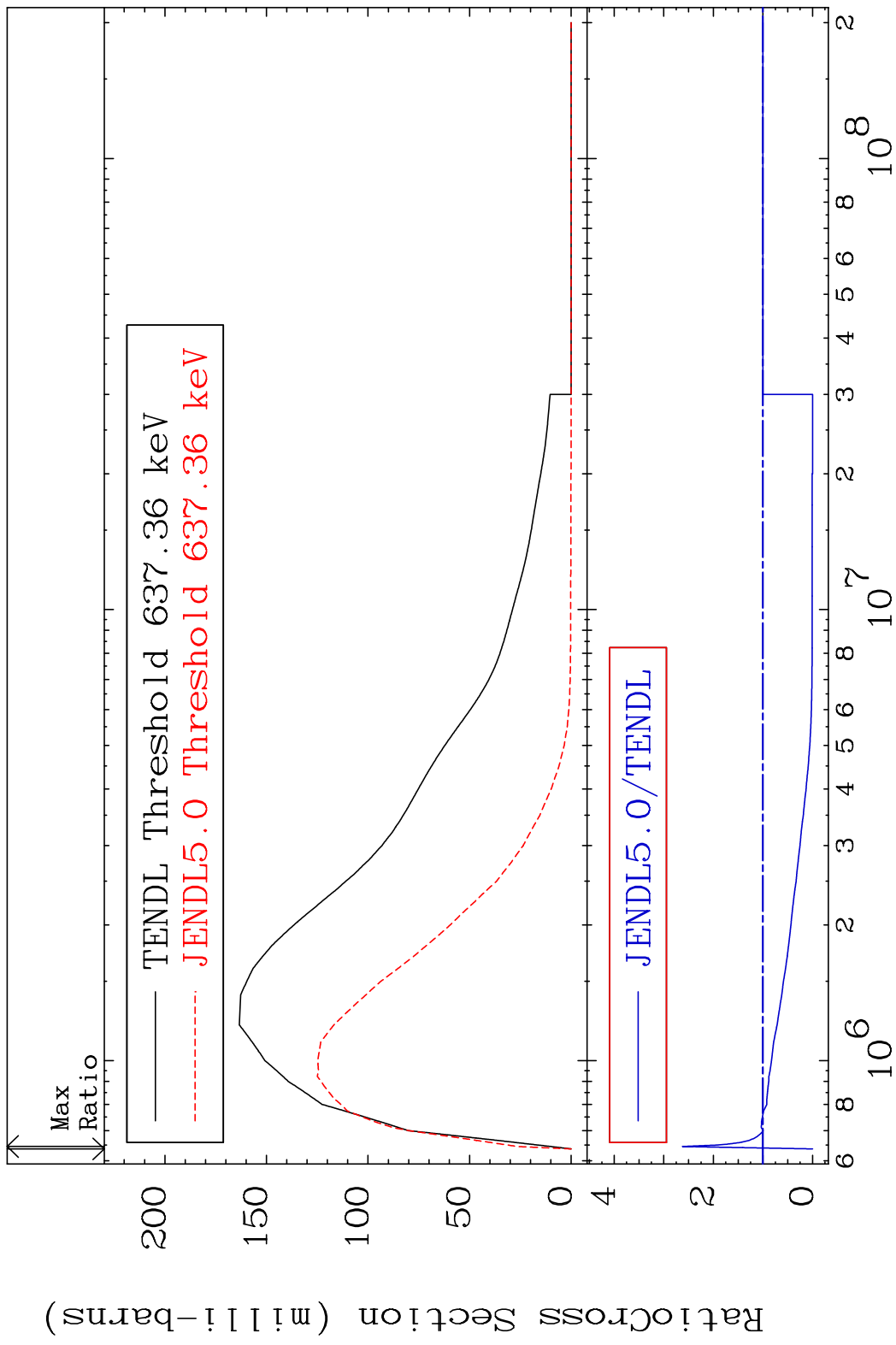


MAT 5525 MT= 54 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 43.00 %

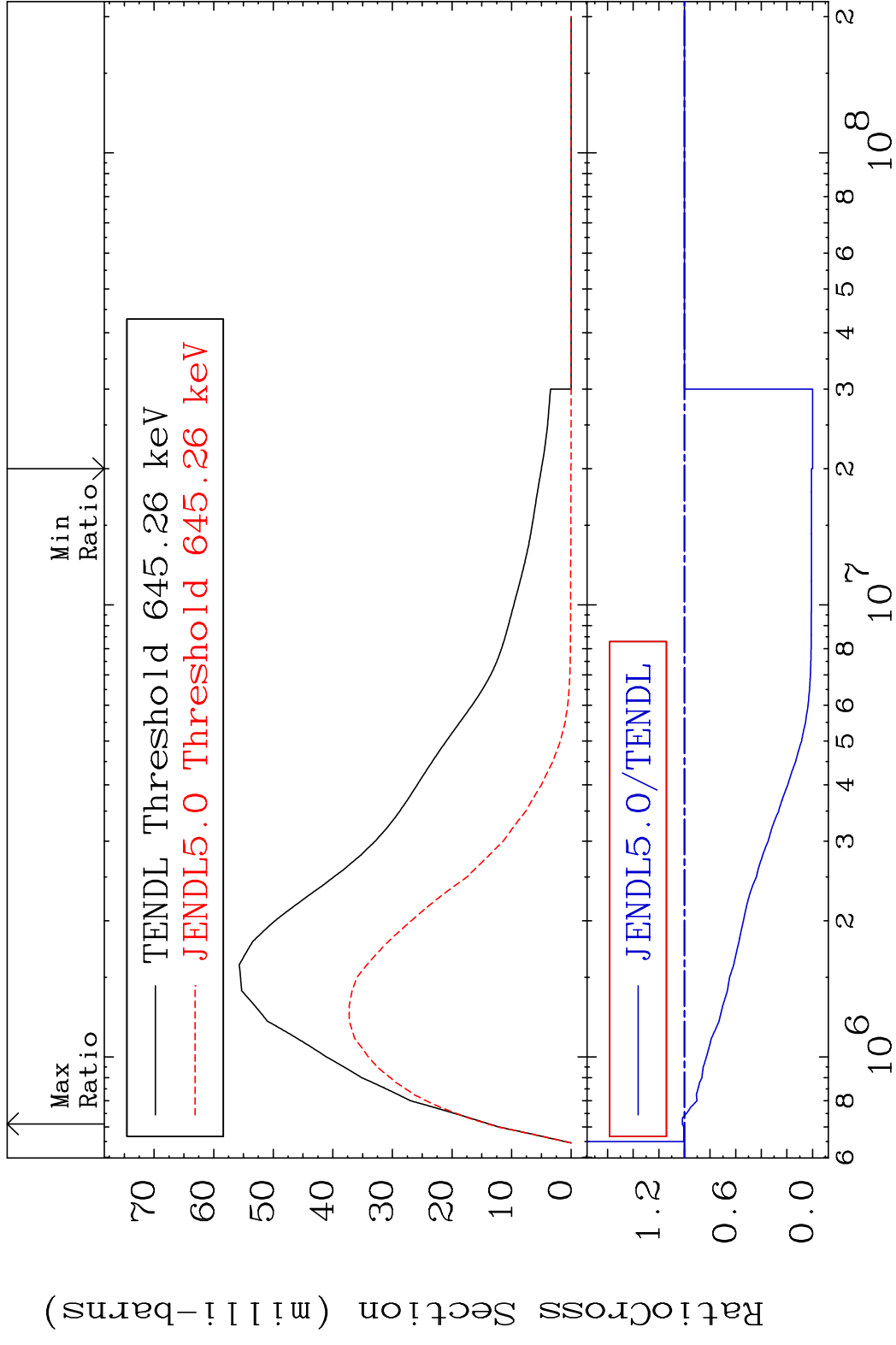


20 55-Cs-133

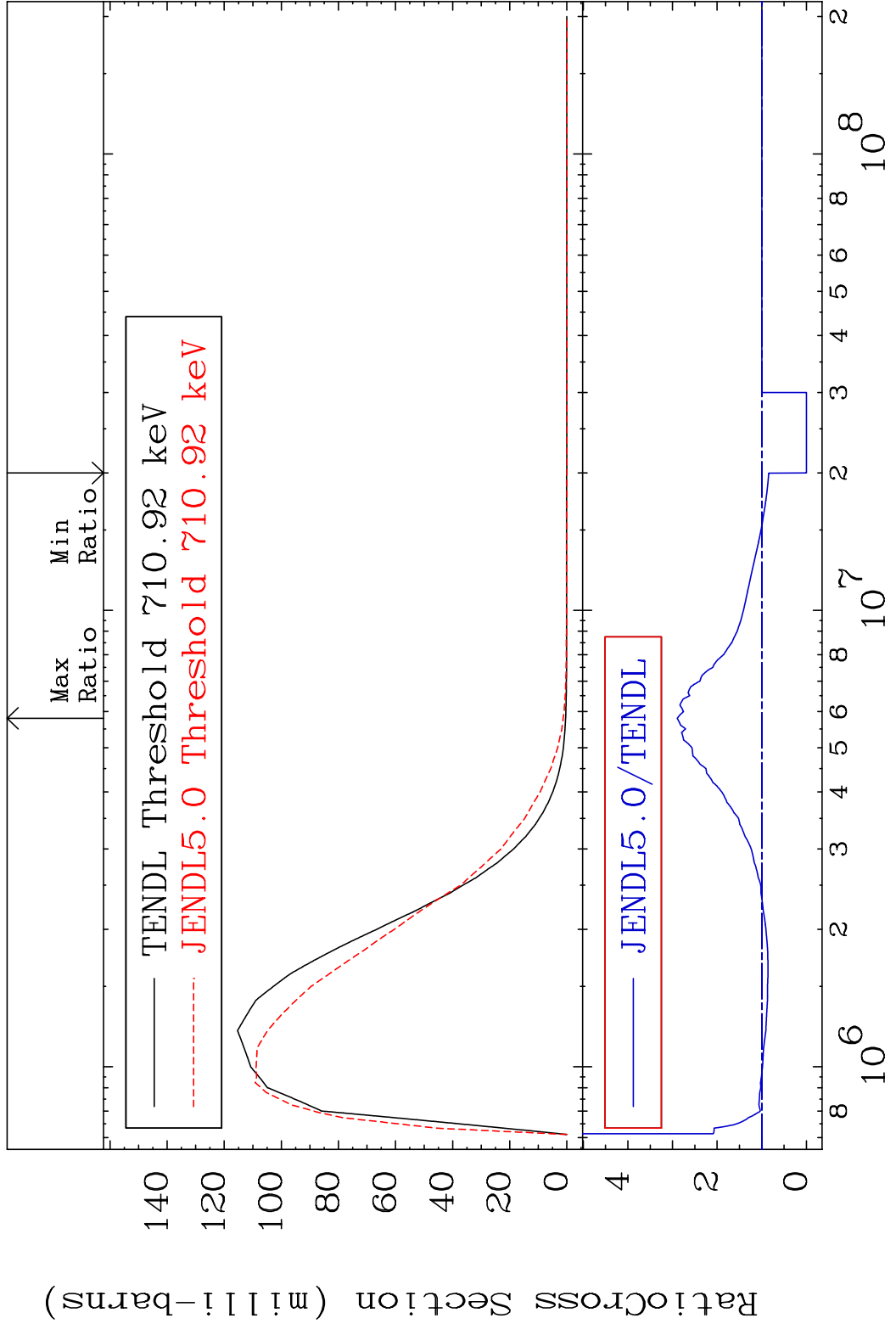
MAT 5525 MT= 55 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 162.6 %



MAT 5525 MT= 56 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 1.651 %

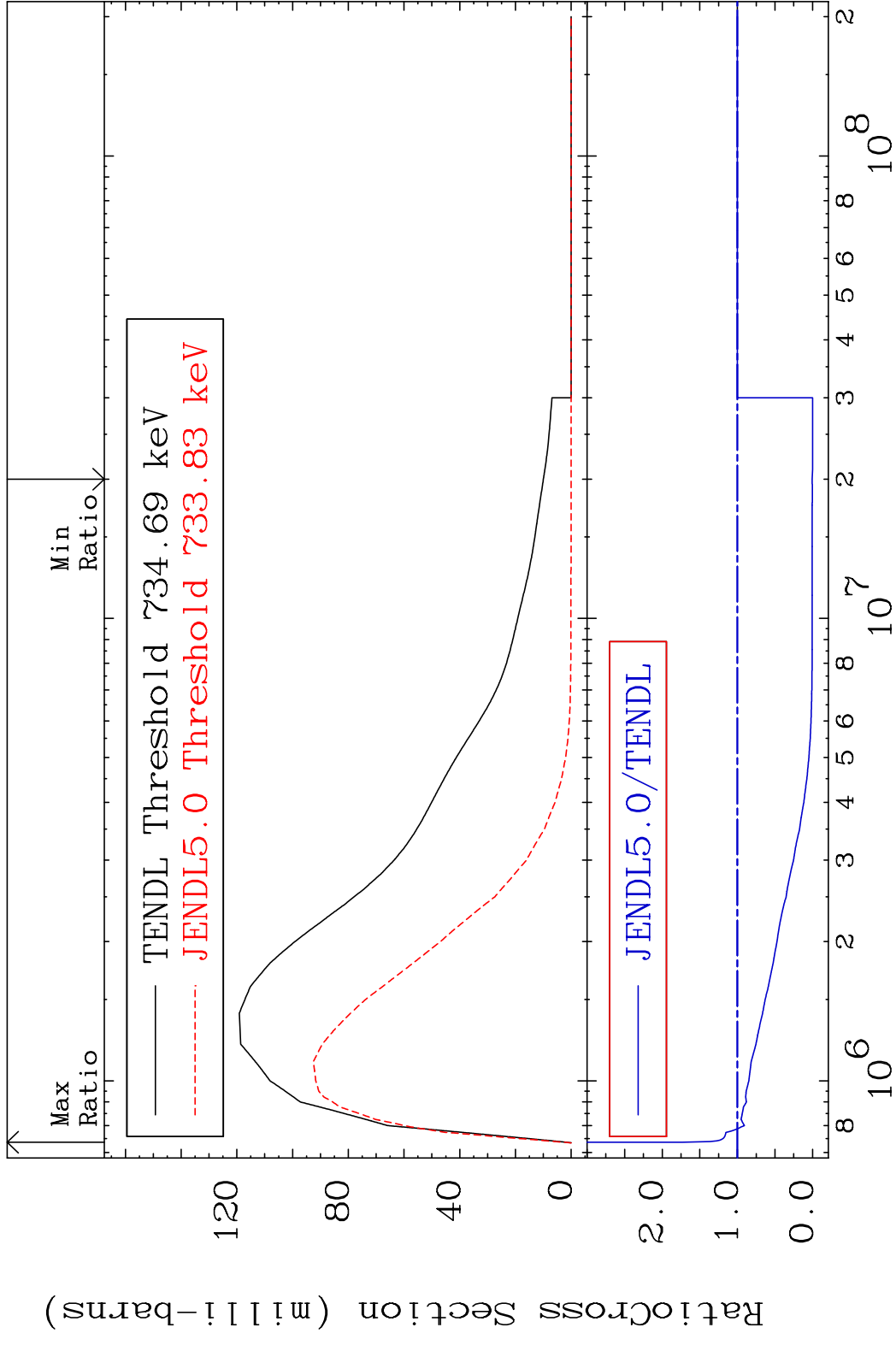


MAT 5525 MT= 57 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 189.5 %

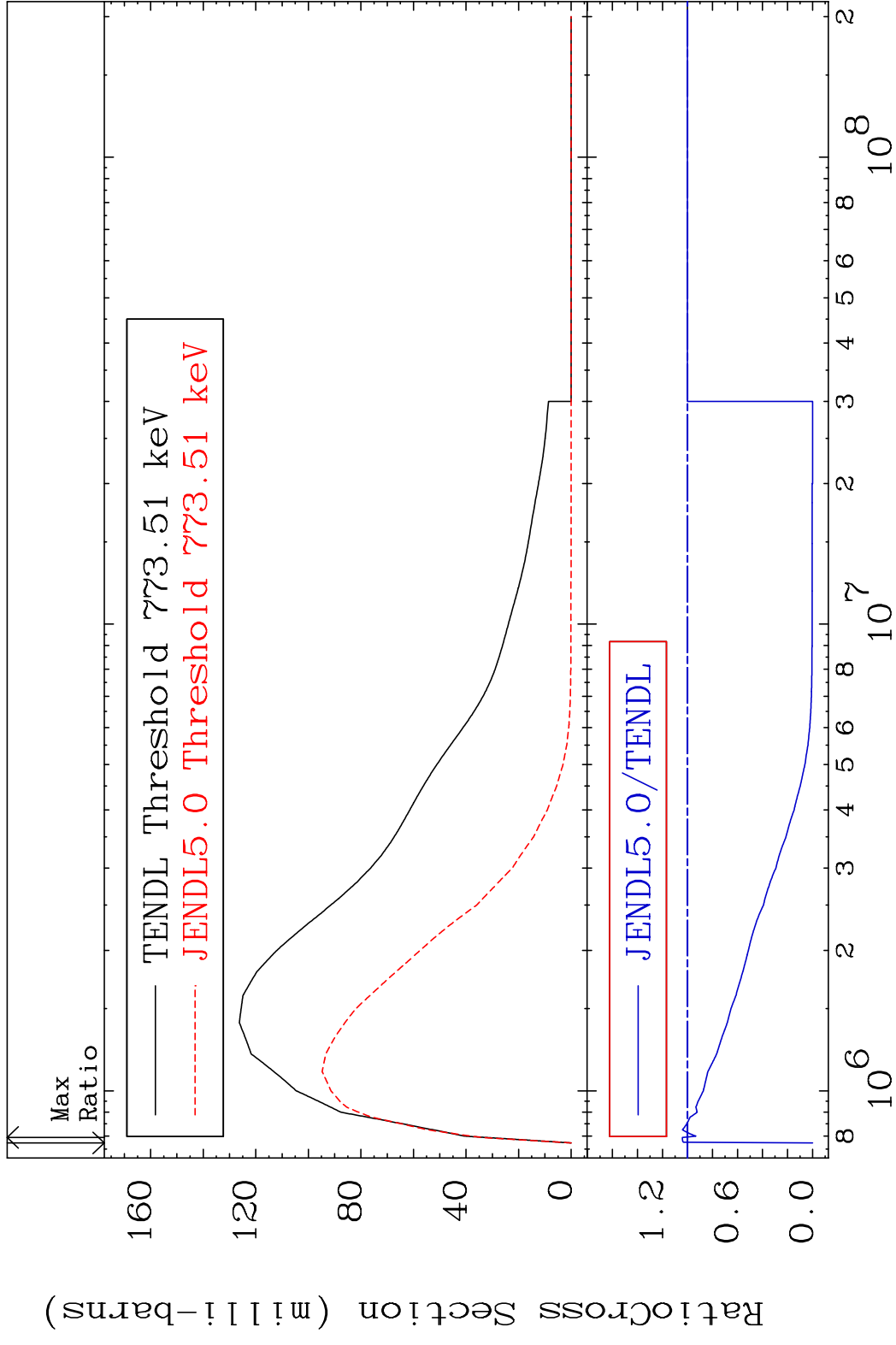




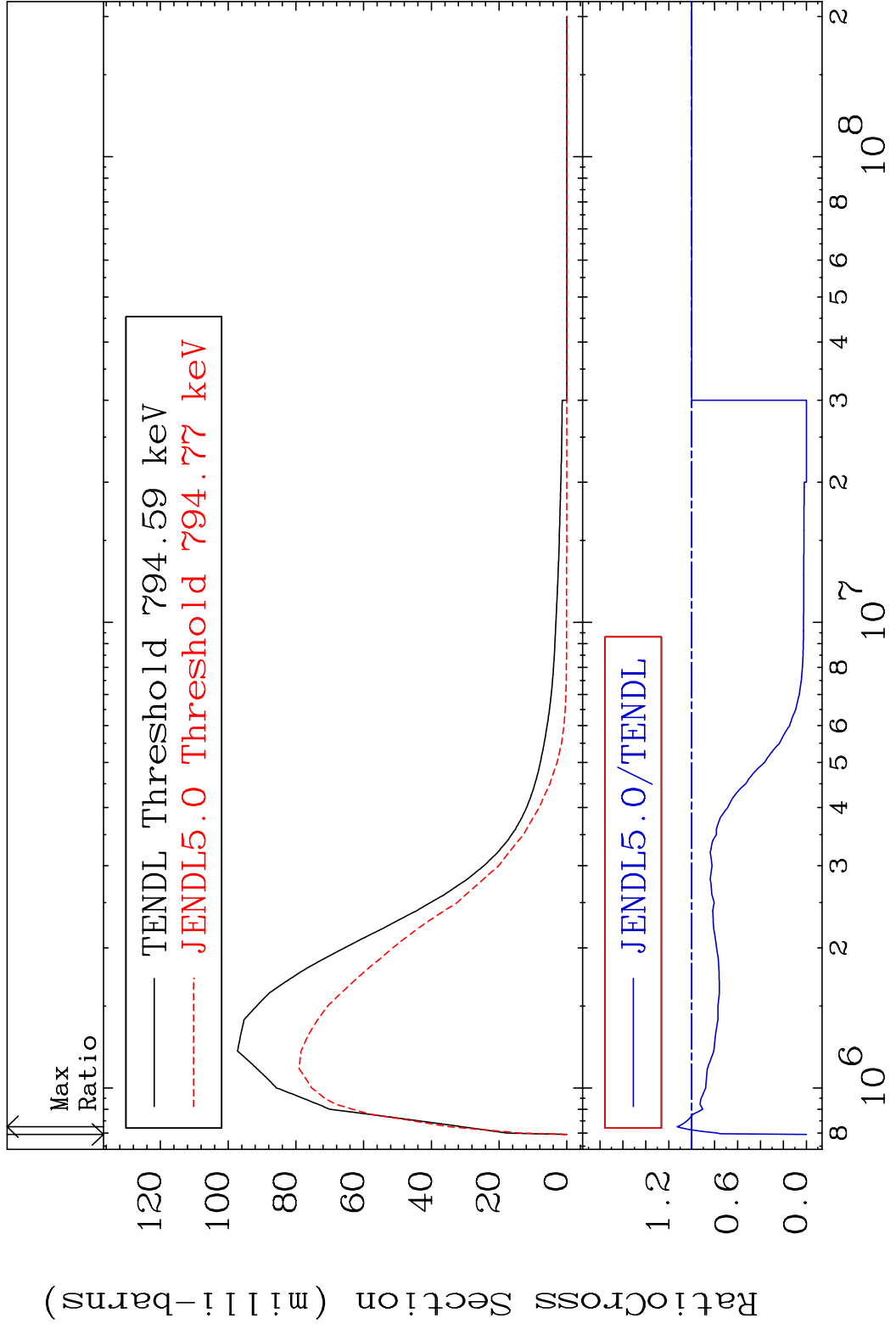
MAT 5525 MT= 58 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 73.22 %



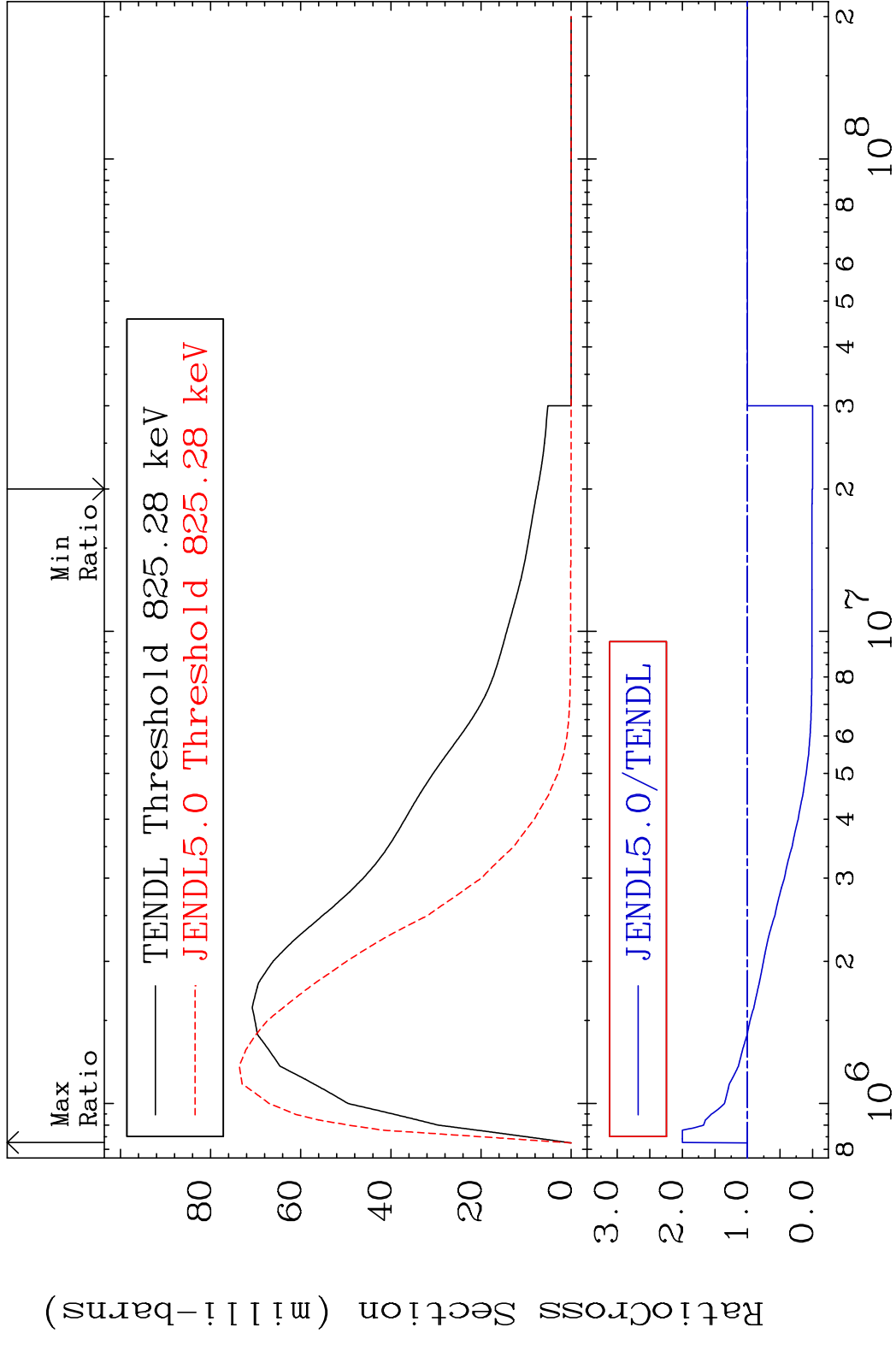
MAT 5525 MT= 59 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 4.125 %



MAT 5525 MT= 60 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 12.65 %

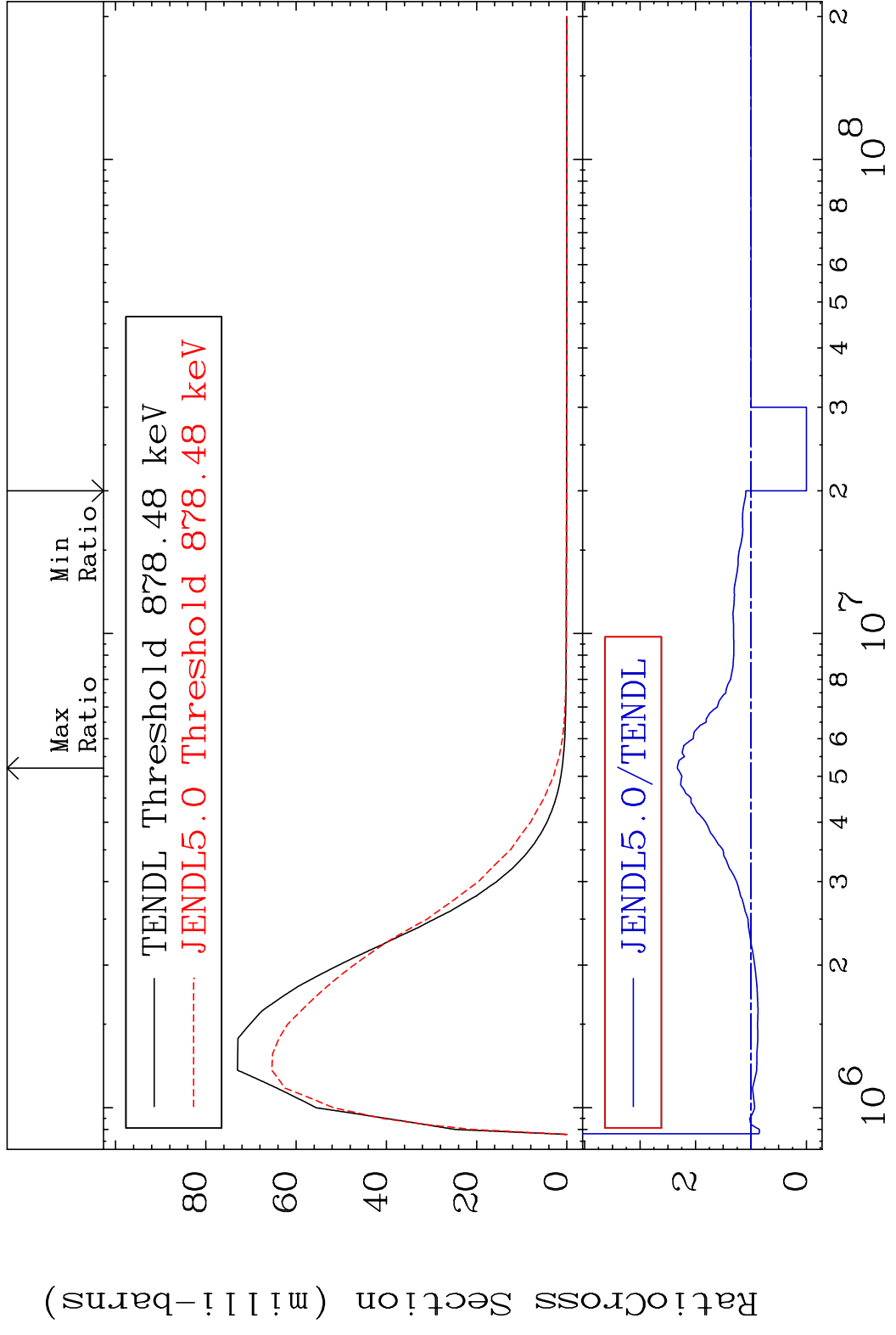


MAT 5525 MT= 61 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 100.0 %



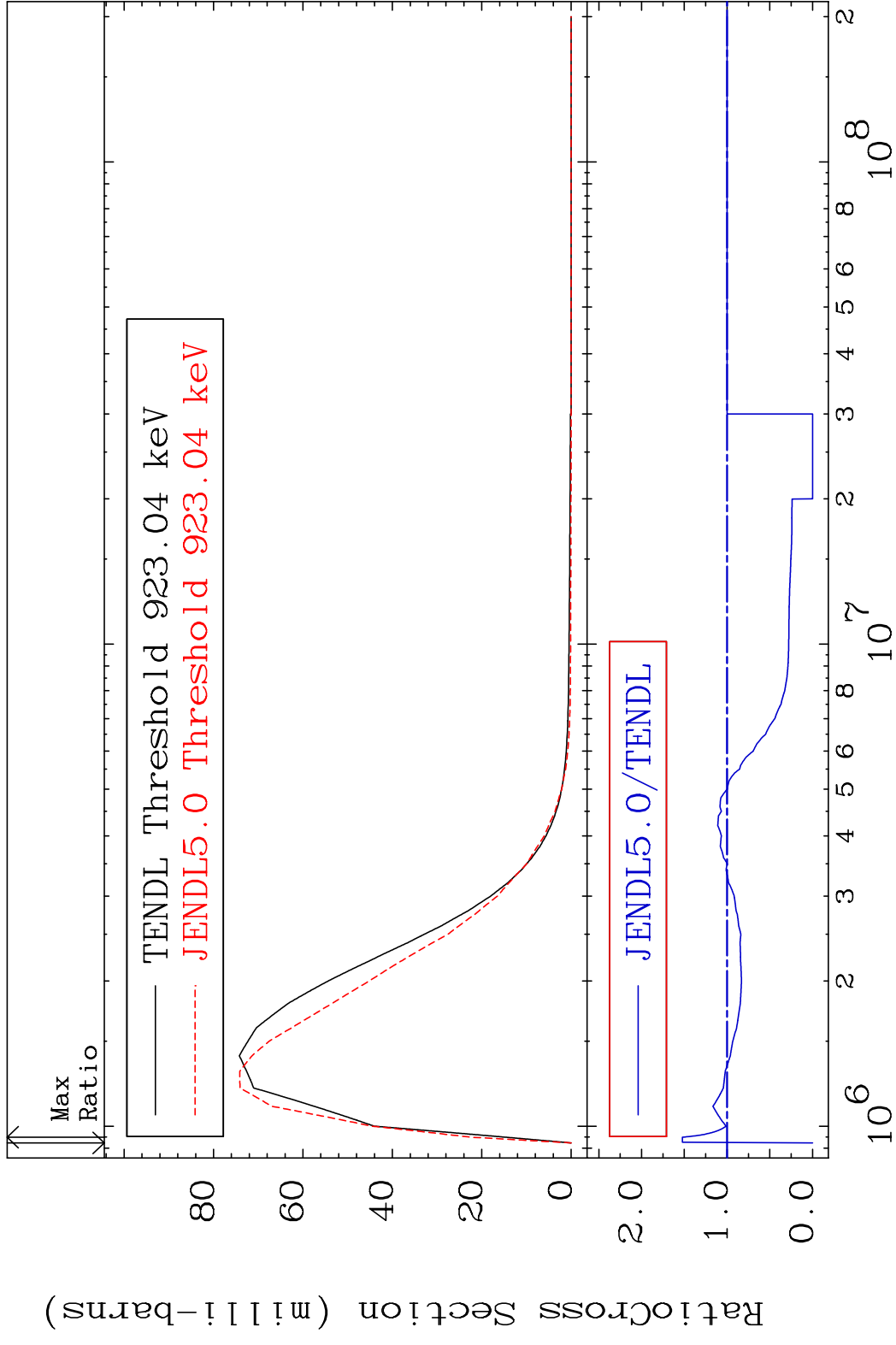
27 Incident Energy (eV) 55-Cs-133

MAT 5525 MT= 62 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 133.1 %



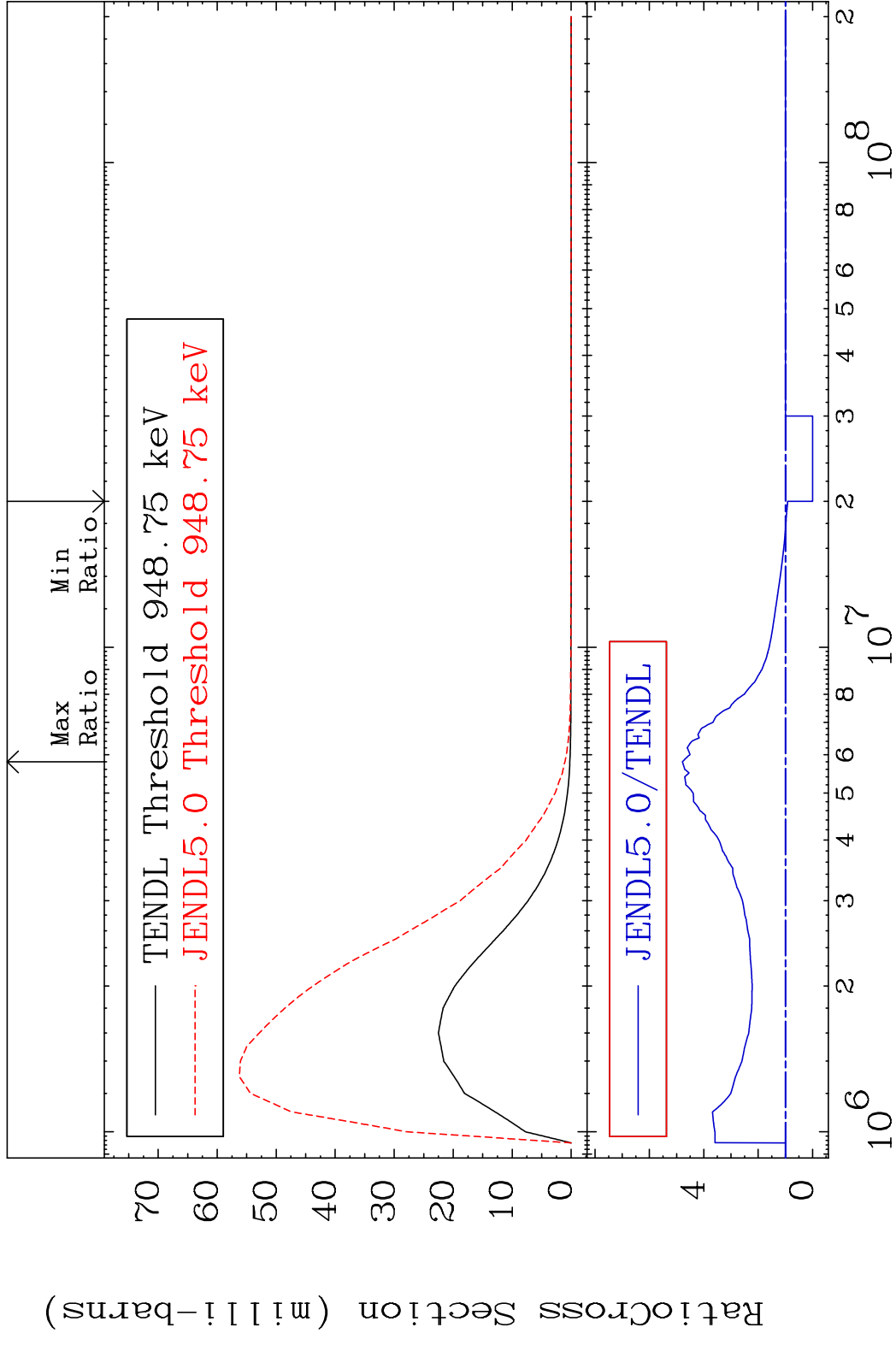
28 Incident Energy (eV) 55-Cs-133

MAT 5525 MT= 63 (n,n') Level 55-Cs-133  
 Cross Section -100.0 To 52.29 %



29 Incident Energy (eV) 55-Cs-133

MAT 5525 MT= 64 (n, n') Level 55-Cs-133  
 Cross Section -100.0 To 378.8 %



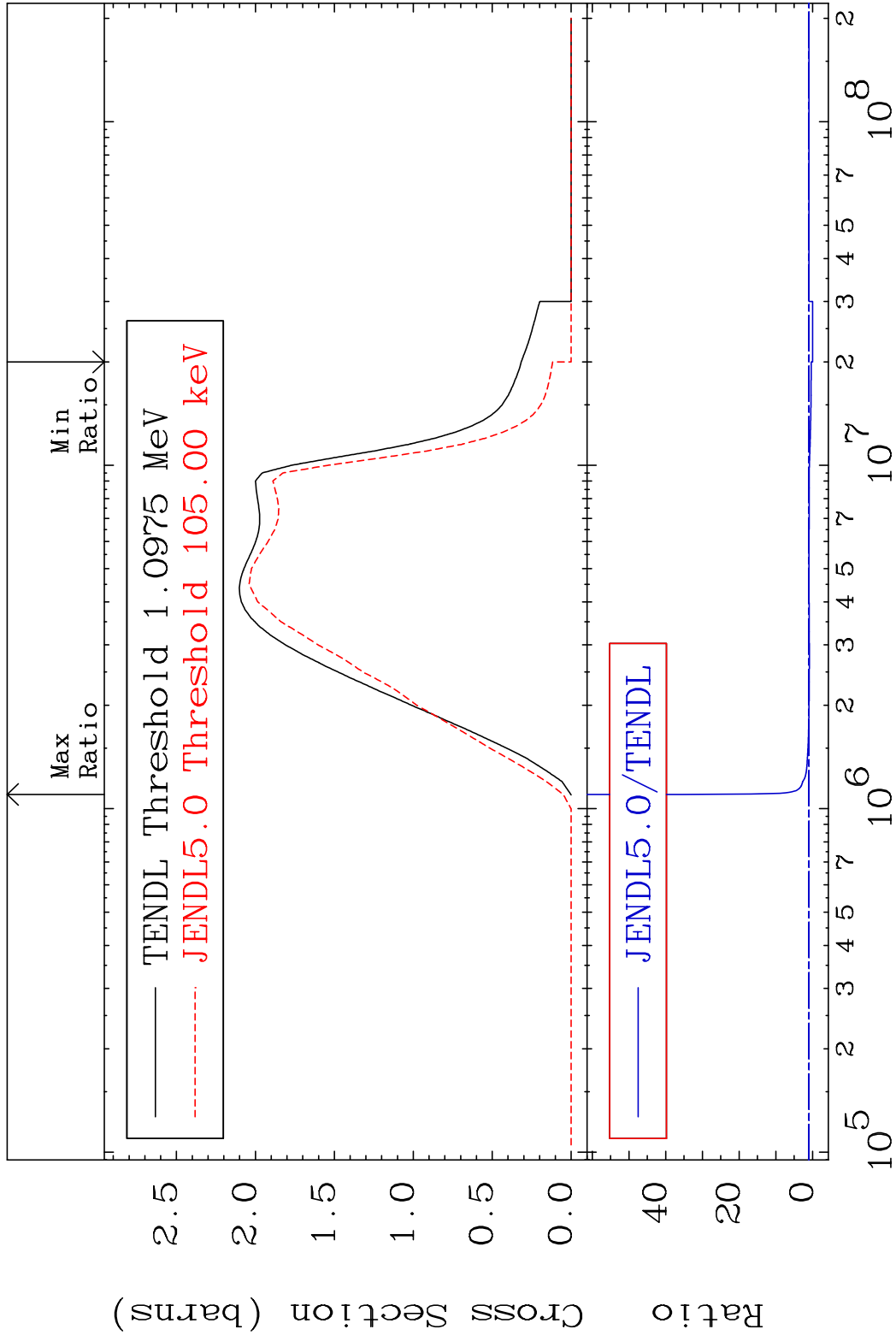
30 55-Cs-133

MAT 5525

(n, n') Continuum

55-Cs-133

Cross Section -100.0 To 3446. %



31

Incident Energy (eV)

55-Cs-133

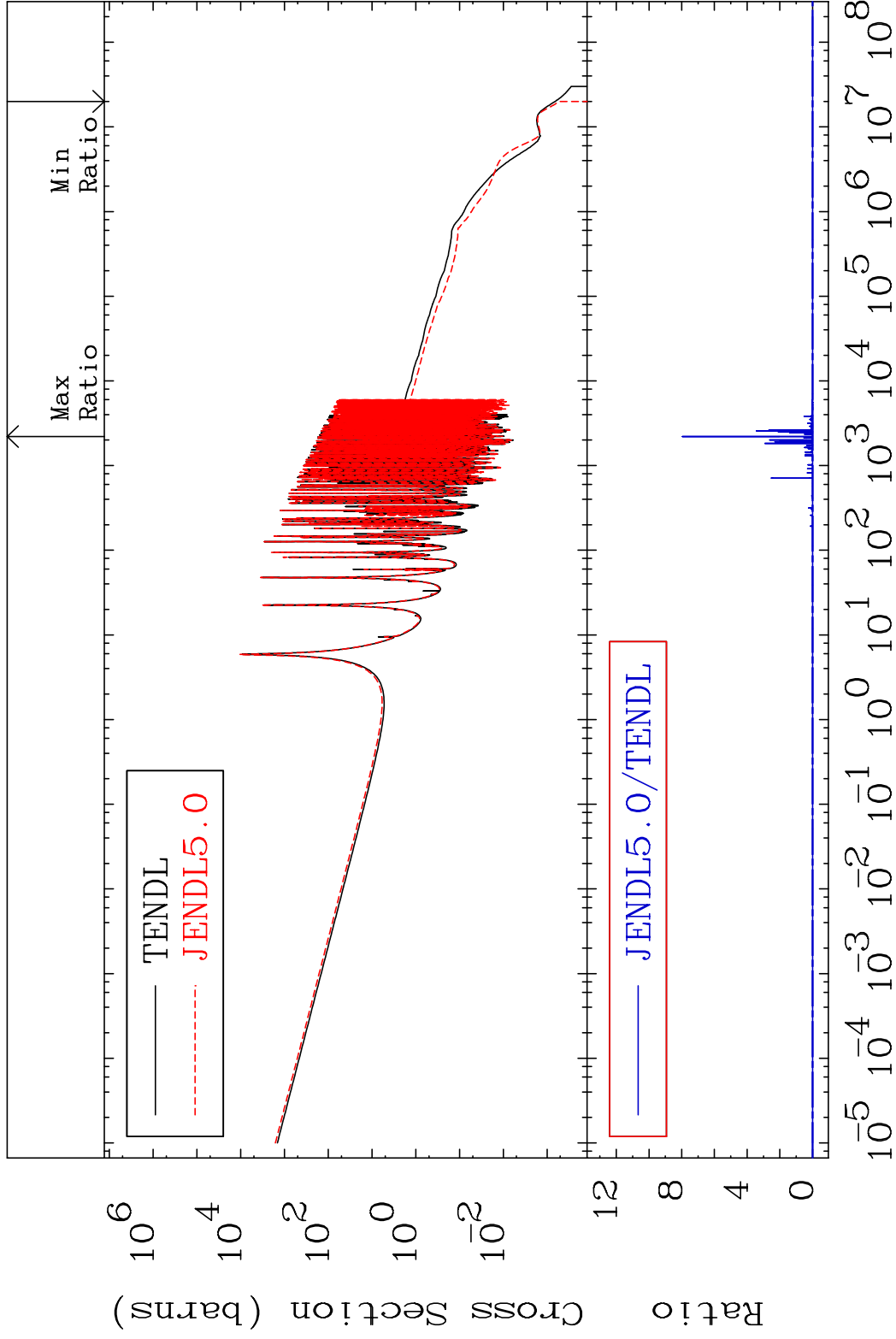


MAT 5525

(n,  $\gamma$ )

55-Cs-133

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

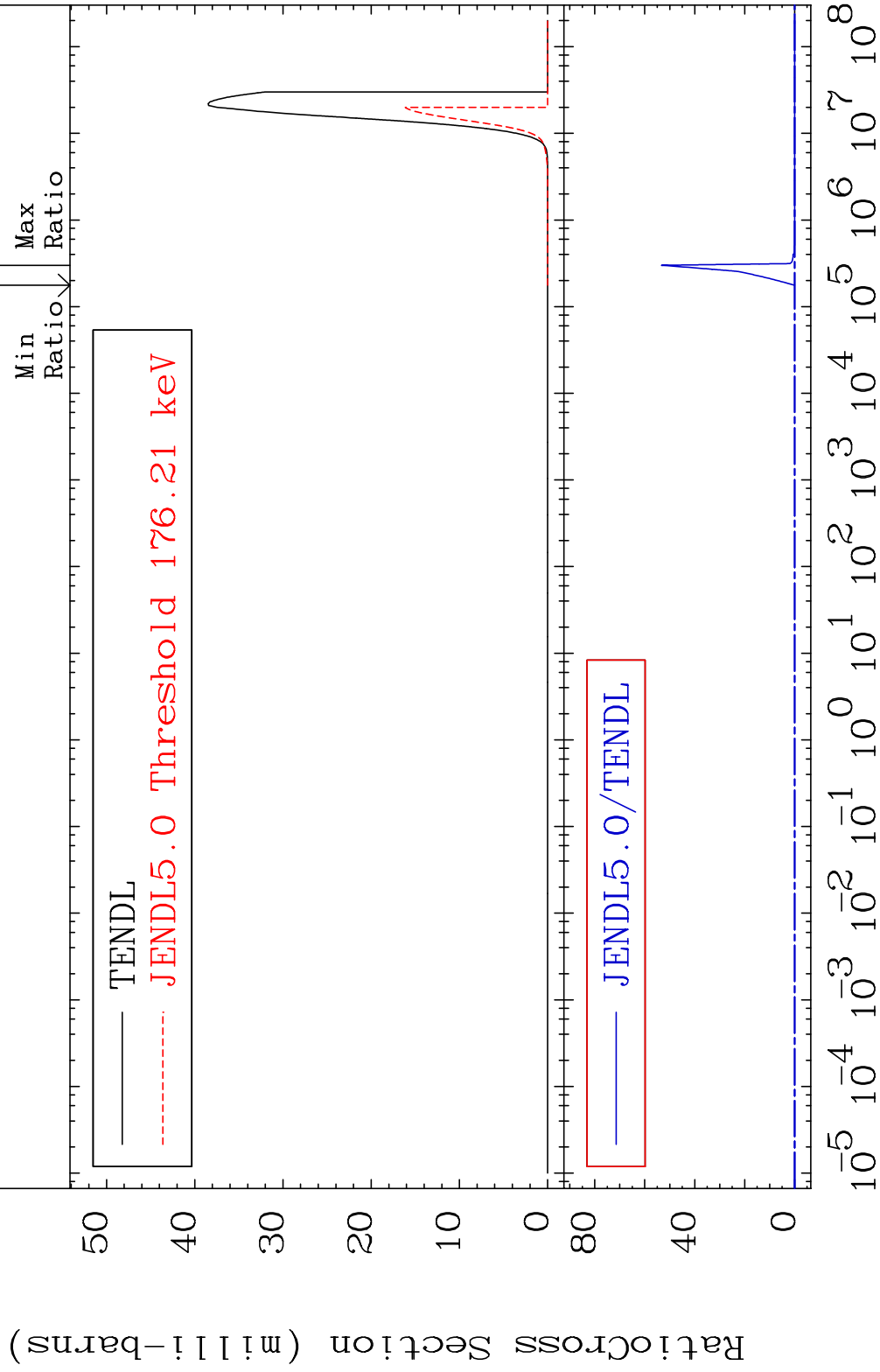
55-Cs-133

MAT 5525

(n,p)

55-Cs-133

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

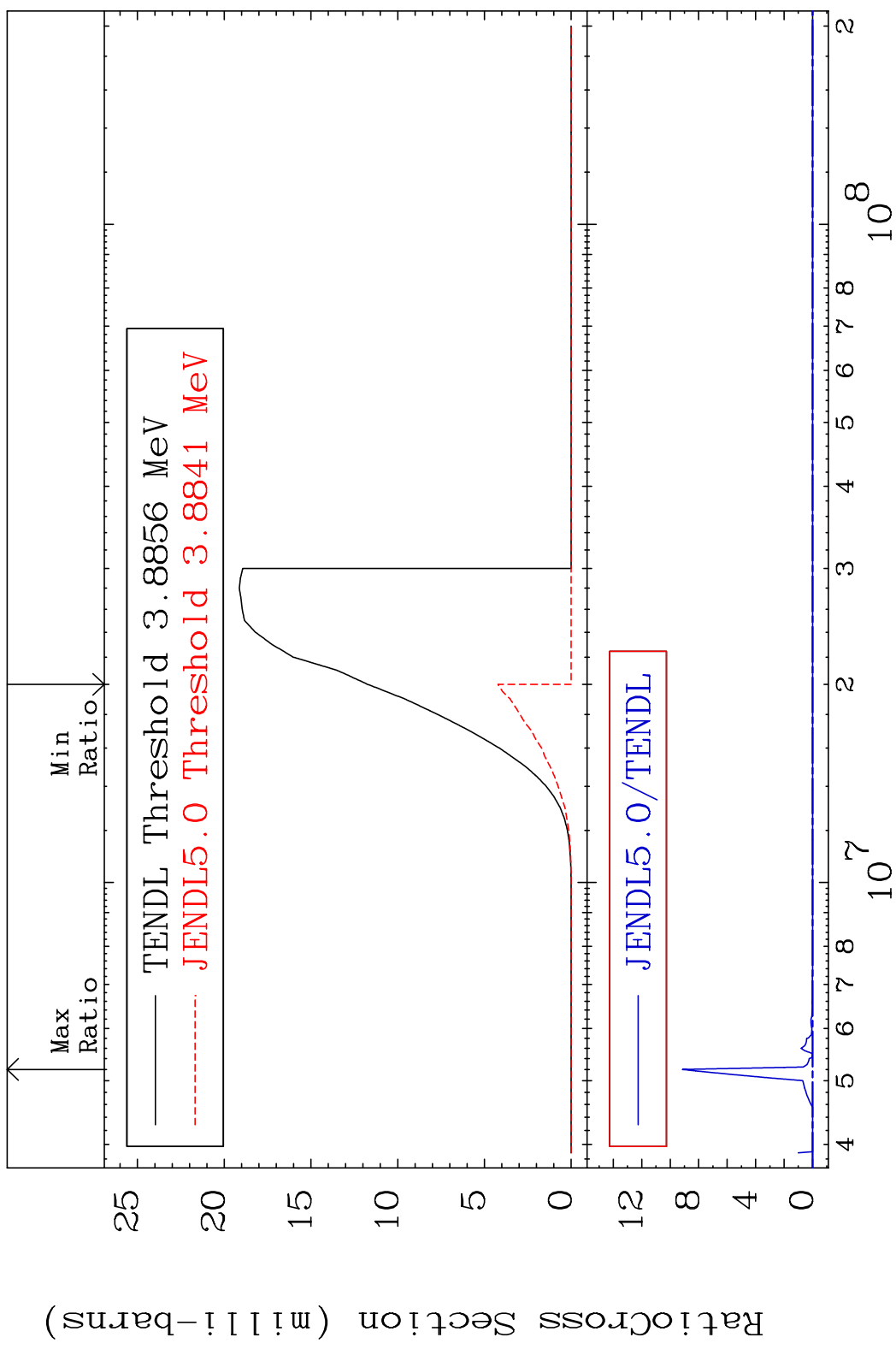
55-Cs-133

MAT 5525

(n,d)

55-Cs-133

Cross Section -100.0 To 9999. %

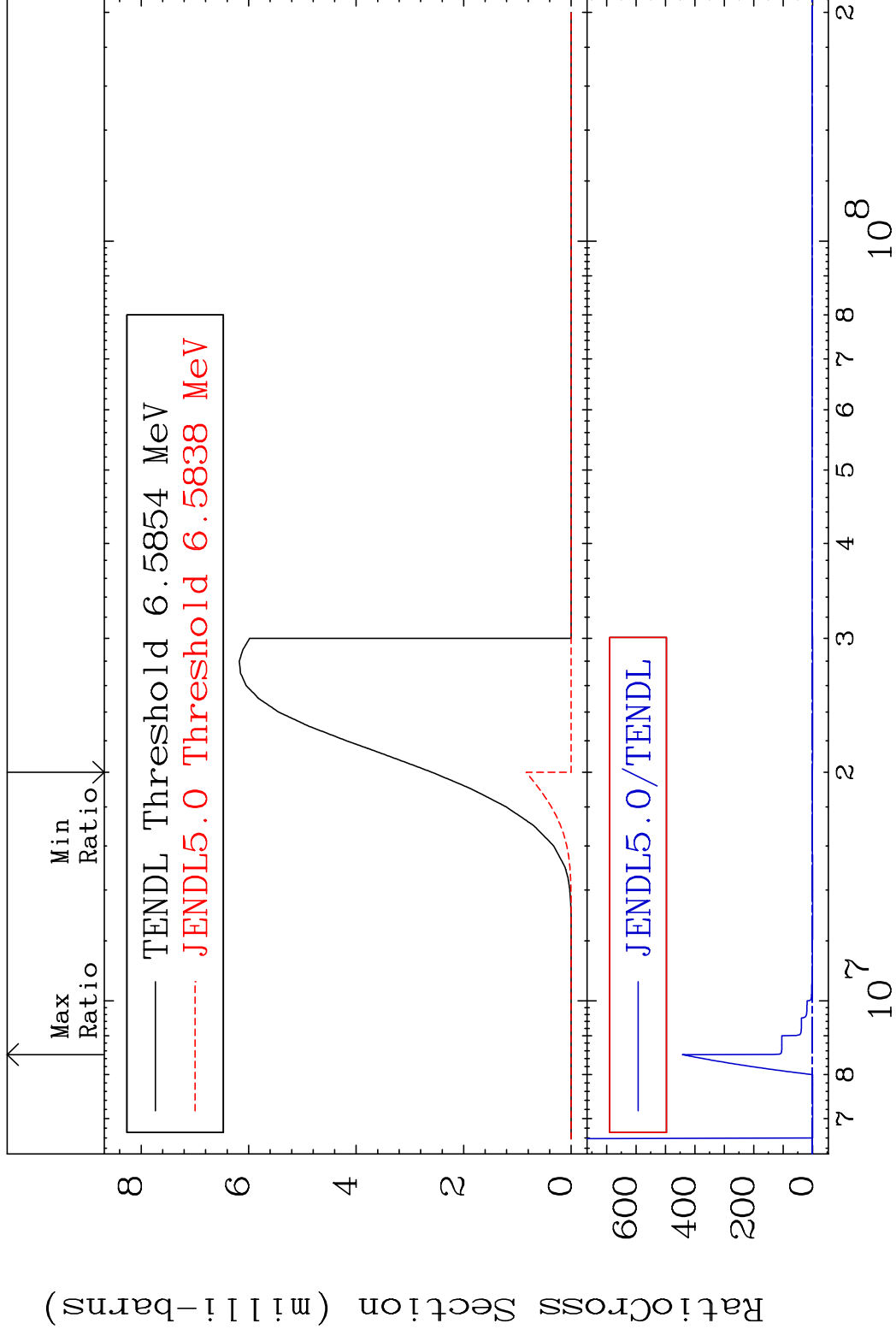


MAT 5525

(n, t)

55-Cs-133

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

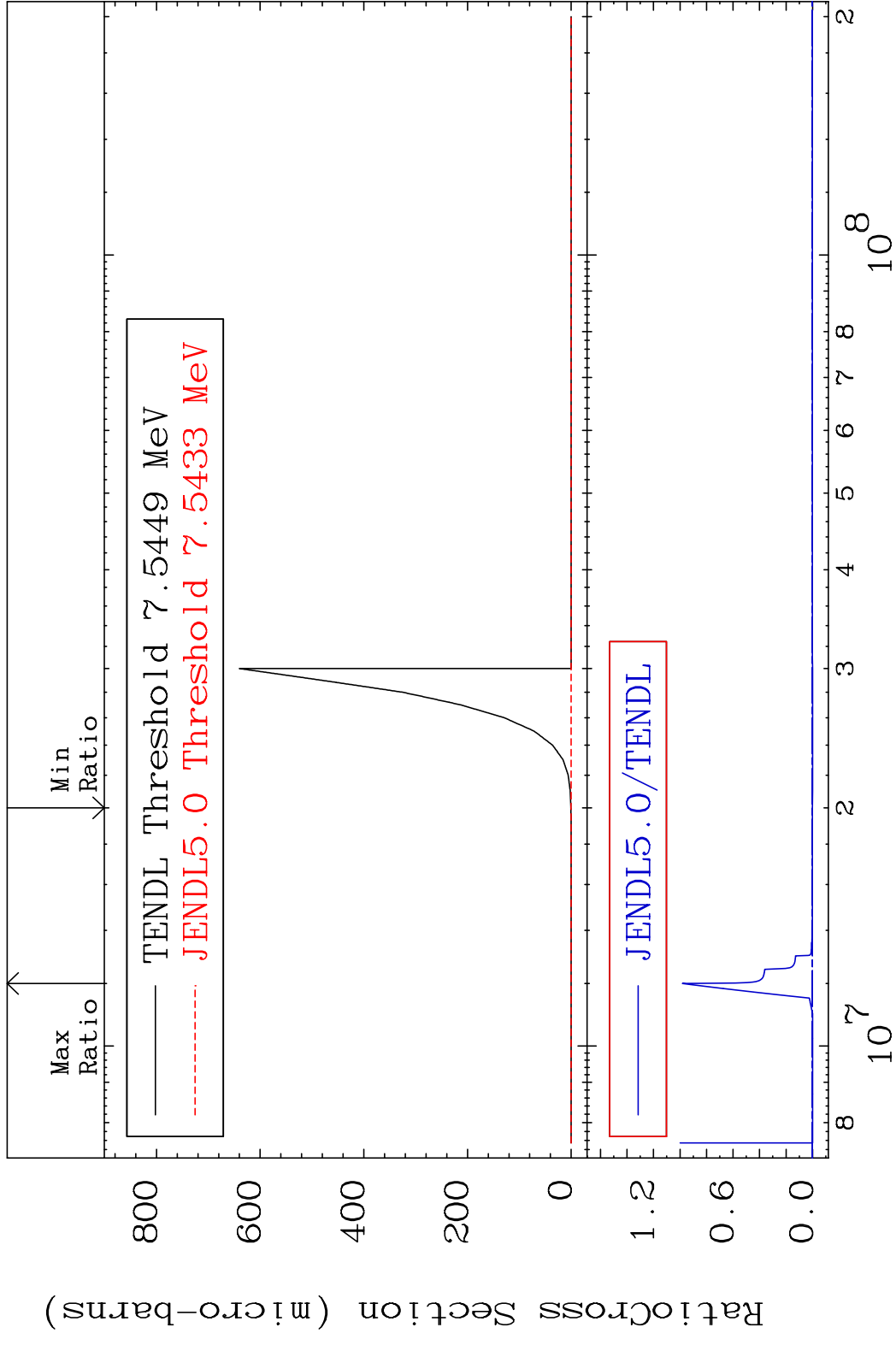
55-Cs-133

MAT 5525

(n, He-3)

55-Cs-133

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

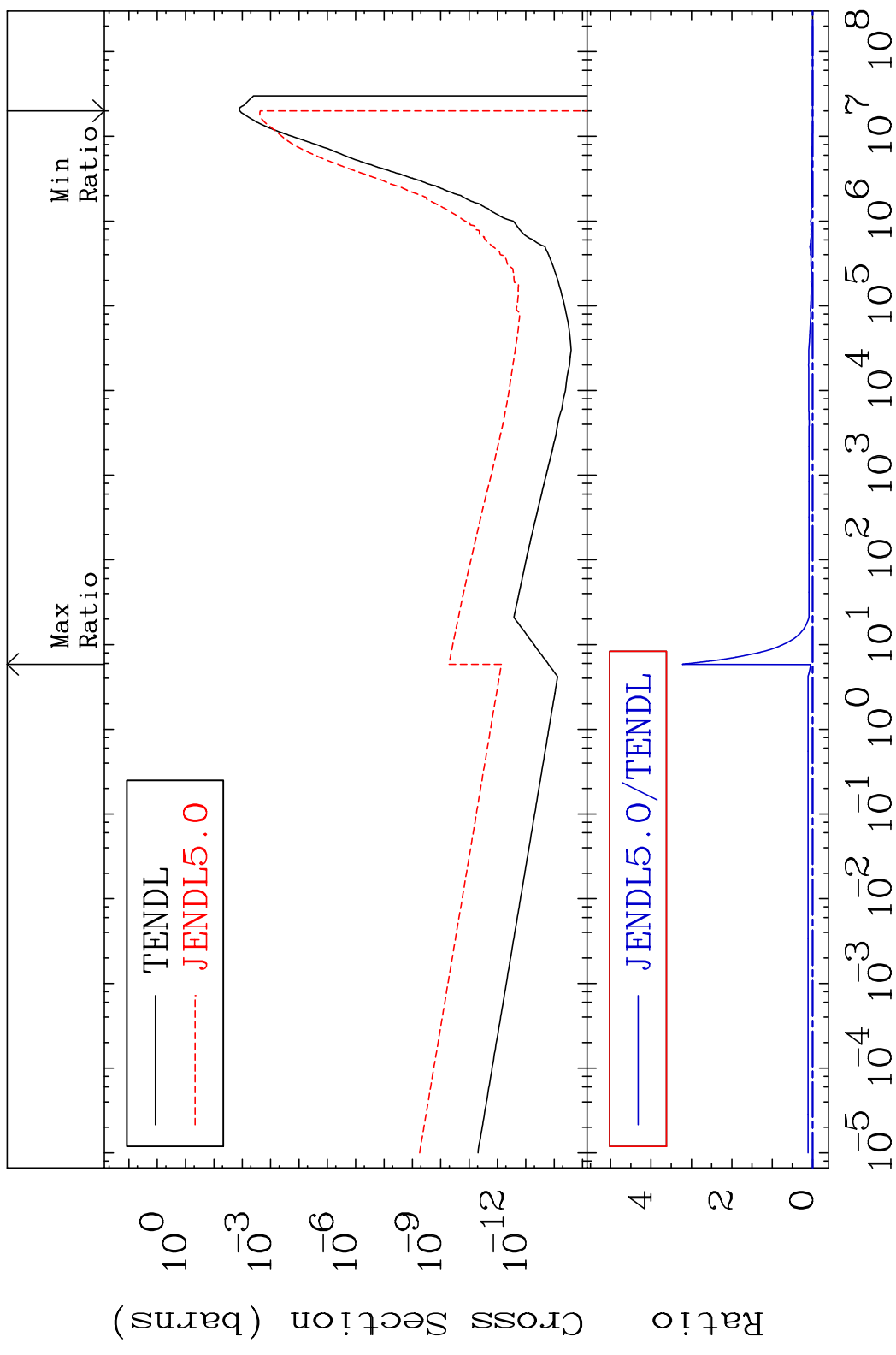
55-Cs-133

MAT 5525

(n,  $\alpha$ )

55-Cs-133

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

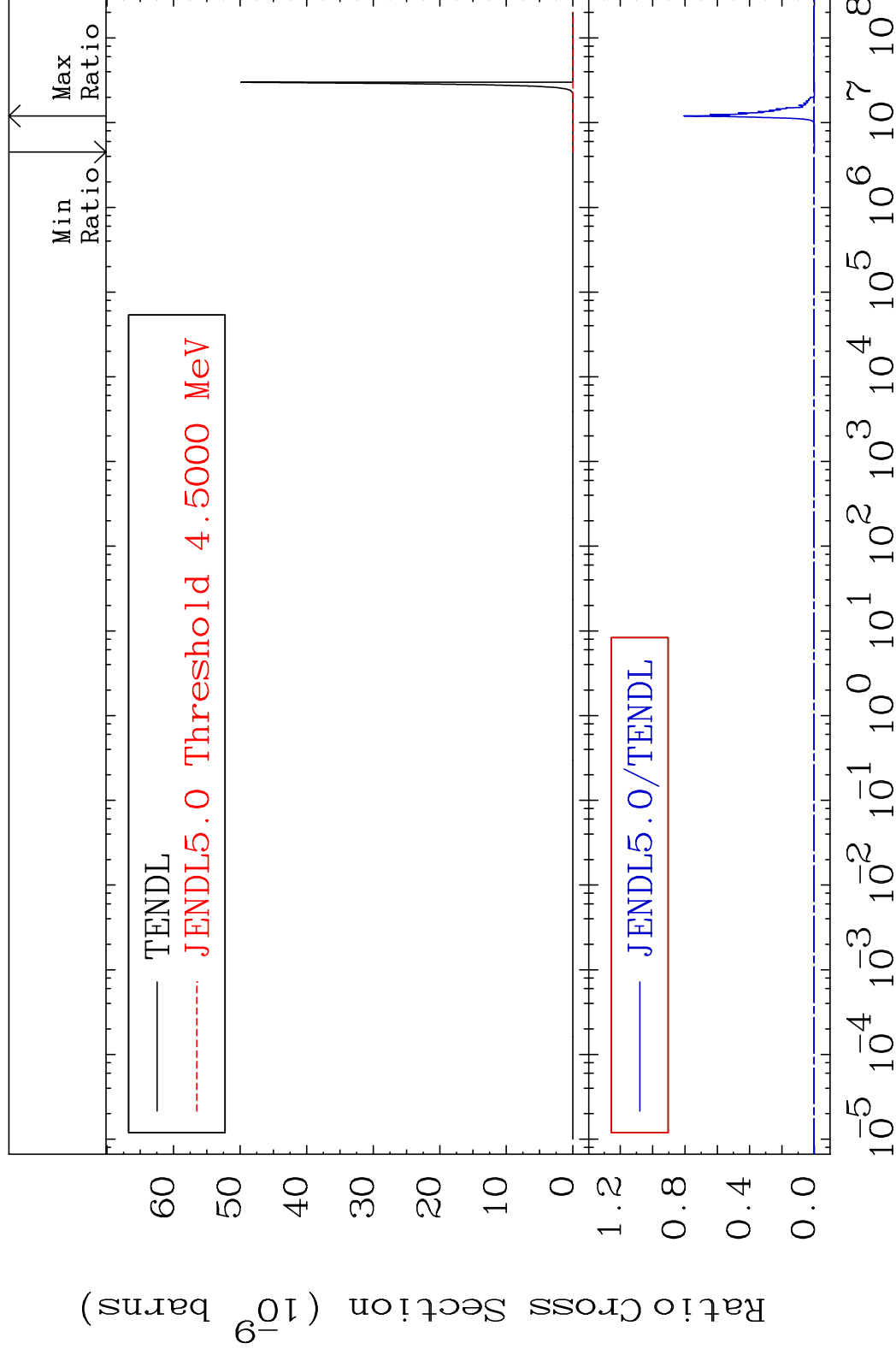
55-Cs-133

MAT 5525

(n,2α)

55-Cs-133

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

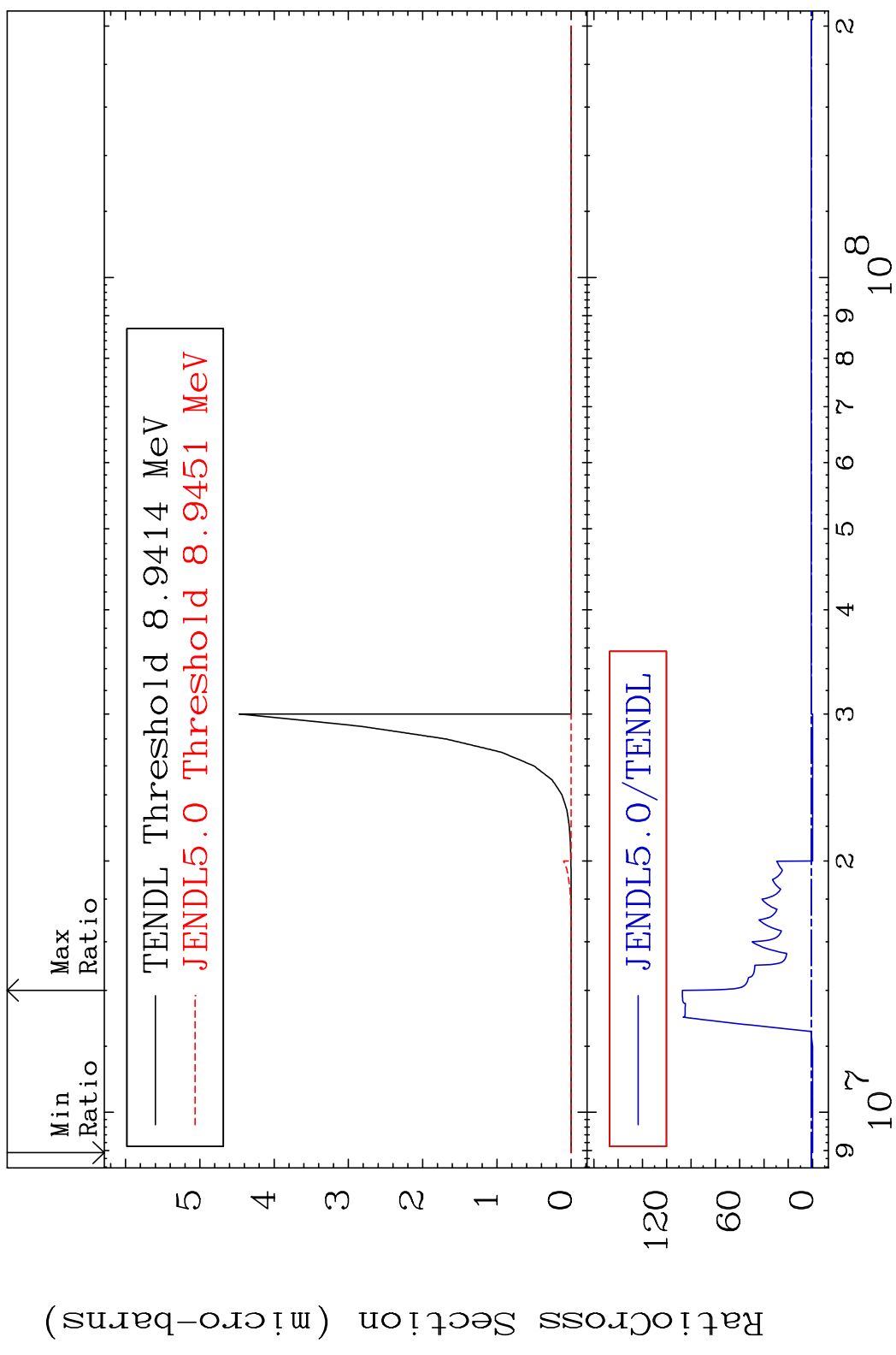
55-Cs-133

MAT 5525

(n,2p)

55-Cs-133

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

55-Cs-133

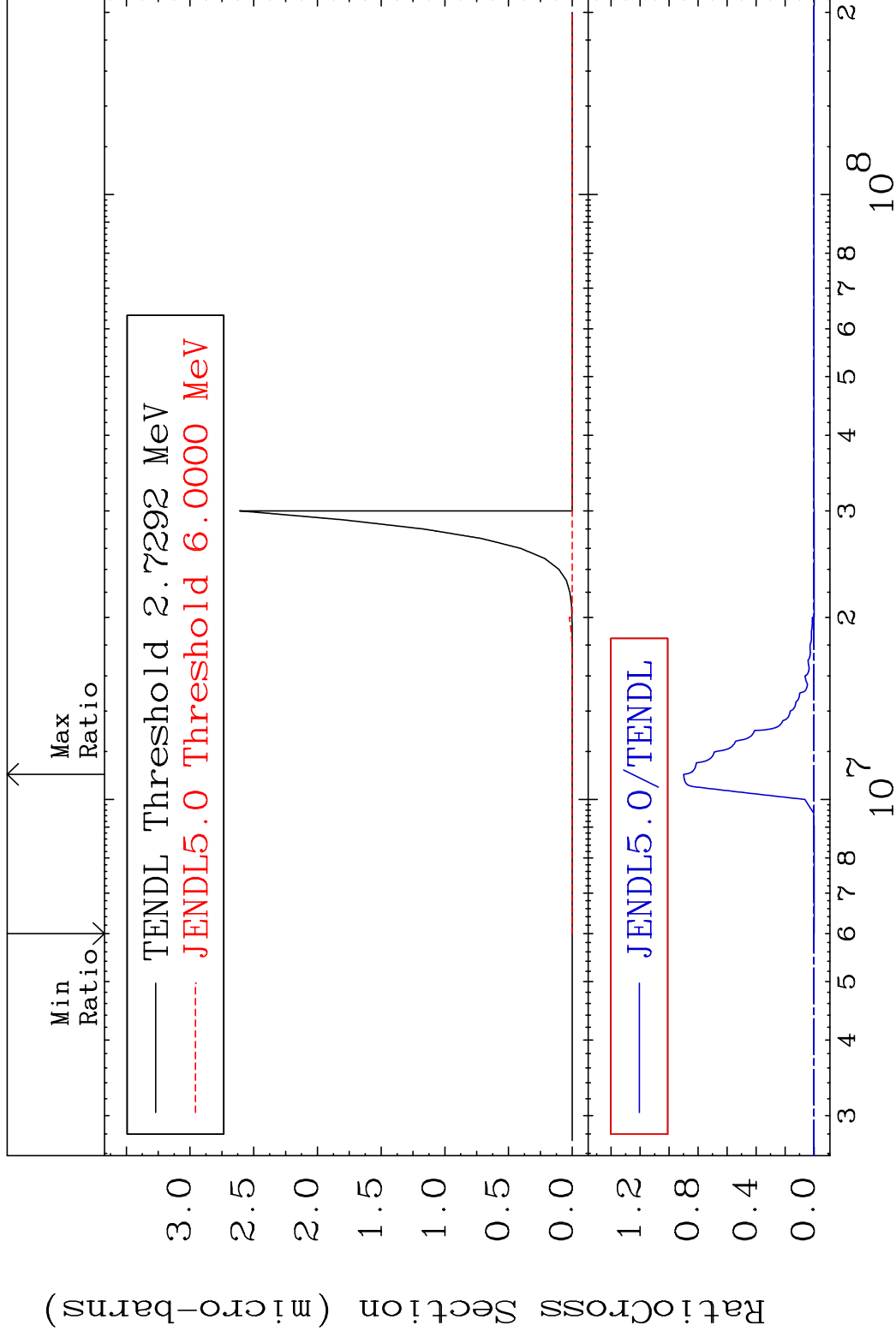


MAT 5525

(n,p)  $\alpha$

55-Cs-133

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

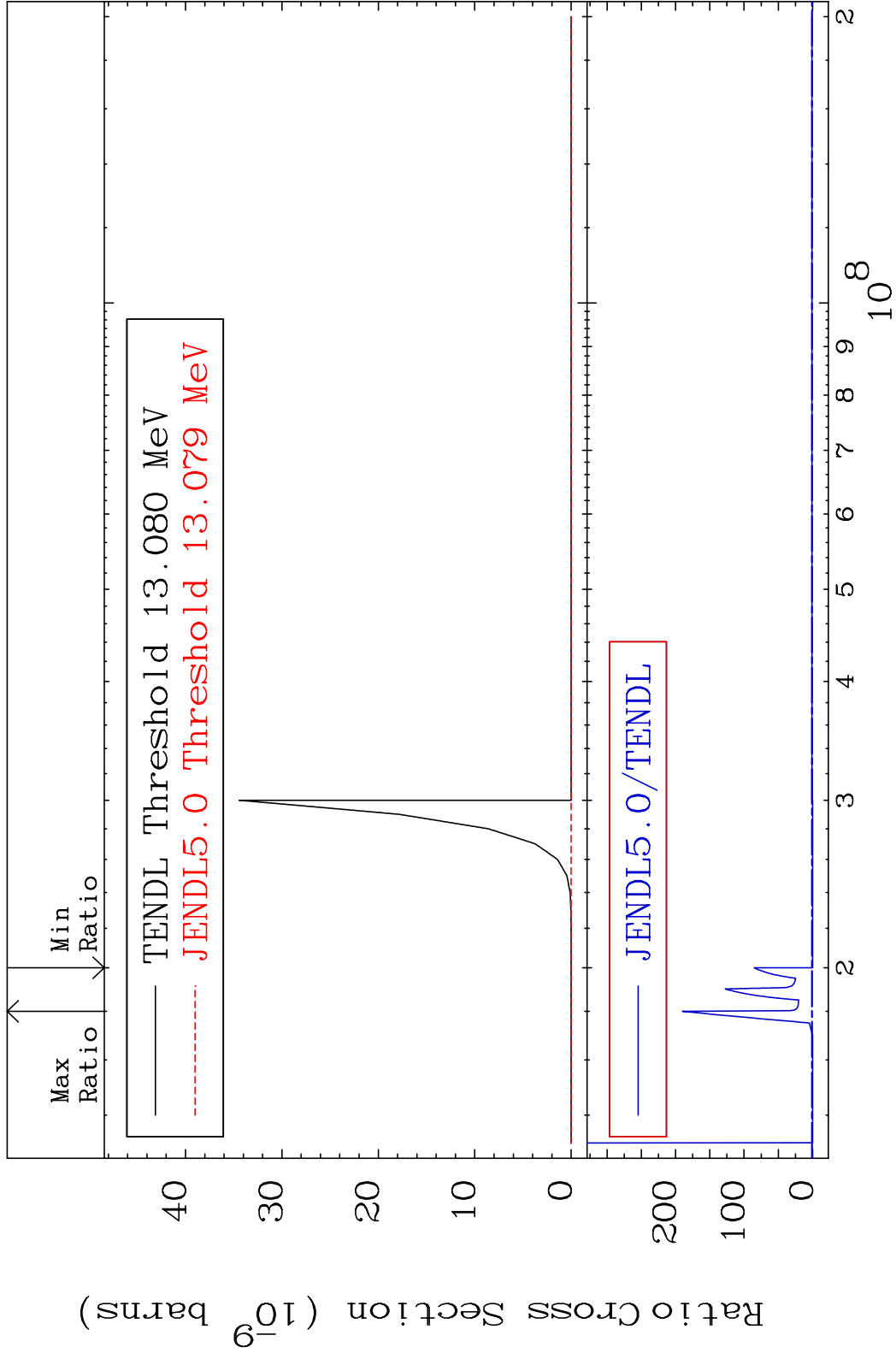
55-Cs-133

MAT 5525

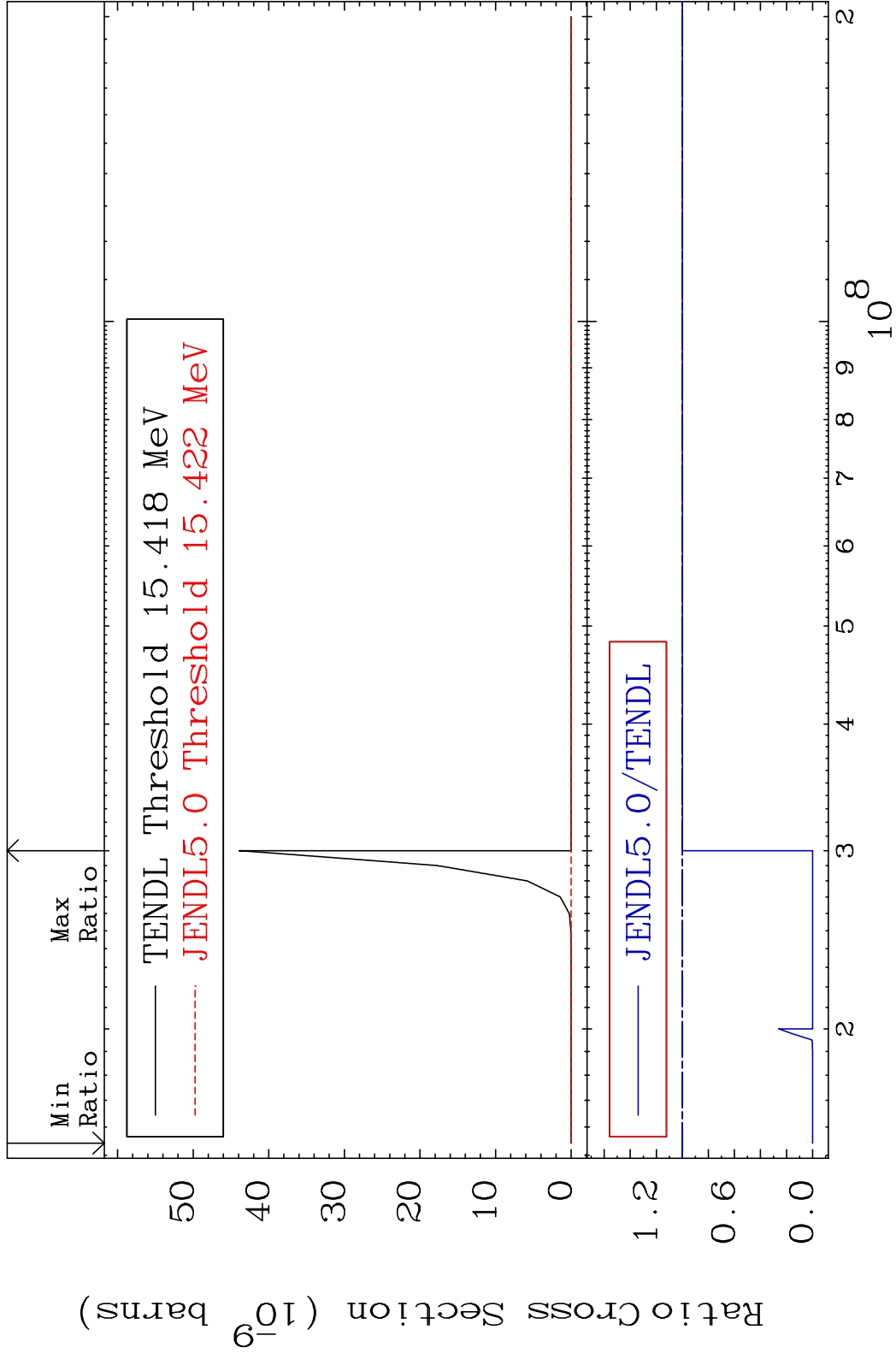
(n,p) d

55-Cs-133

Cross Section -100.0 To 9999. %



MAT 5525 (n,p) t 55-Cs-133  
 Cross Section -100.0 To 0.000 %

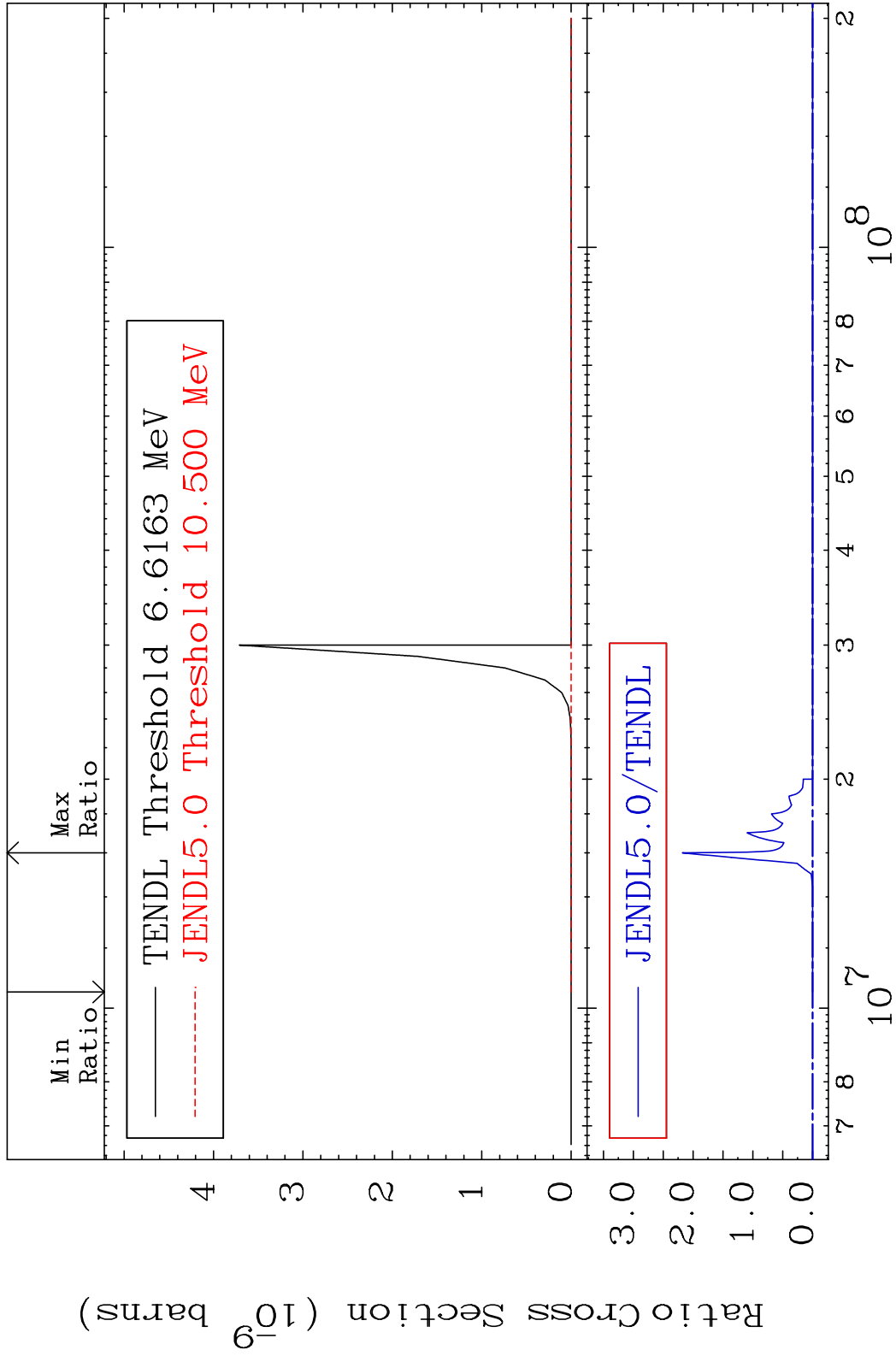


MAT 5525

(n,d)  $\alpha$

55-Cs-133

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

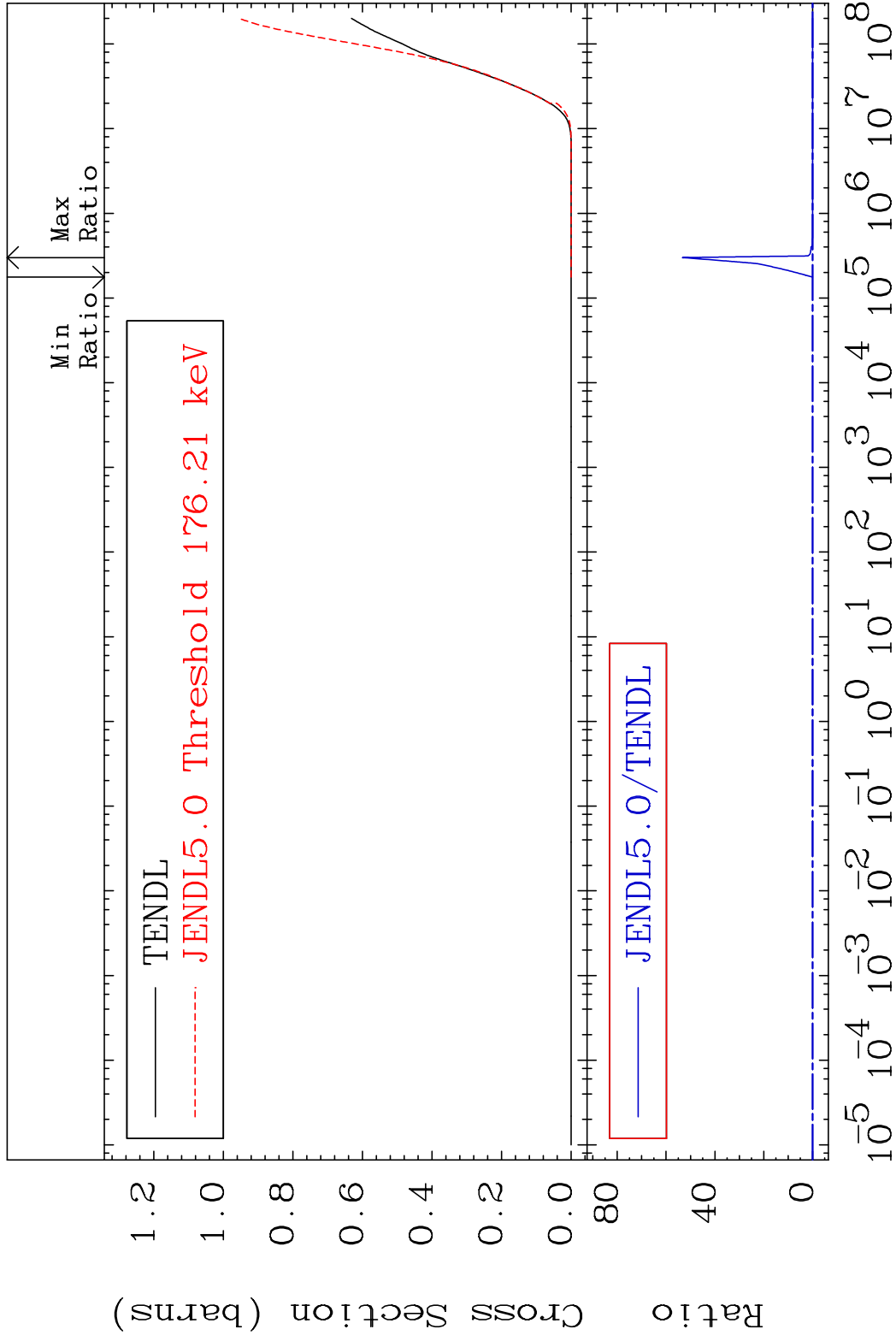
55-Cs-133

MAT 5525

Hydrogen Production

55-Cs-133

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

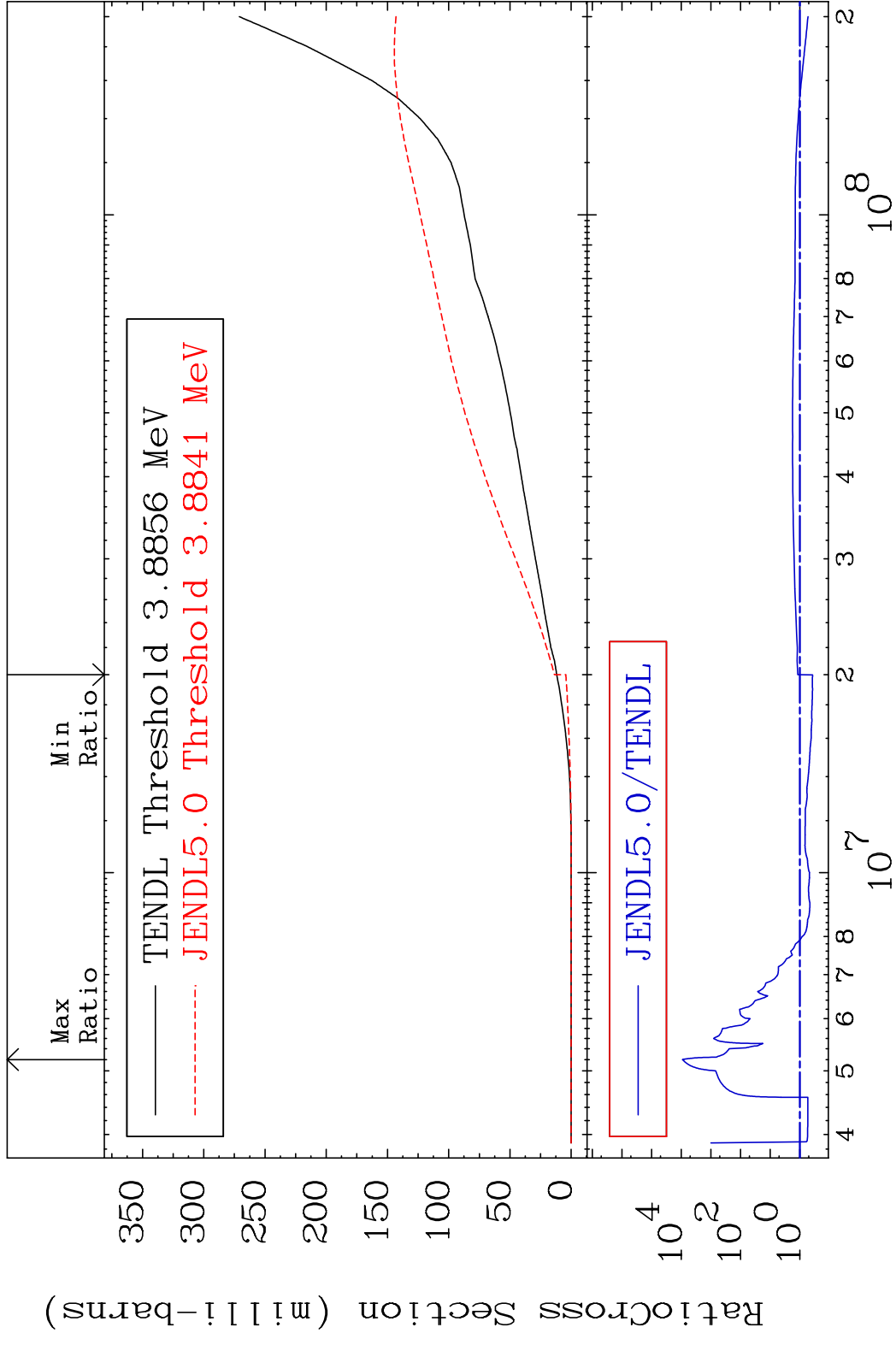
55-Cs-133

MAT 5525

Deuterium Production

55-Cs-133

Cross Section -63.04 To 9999. %

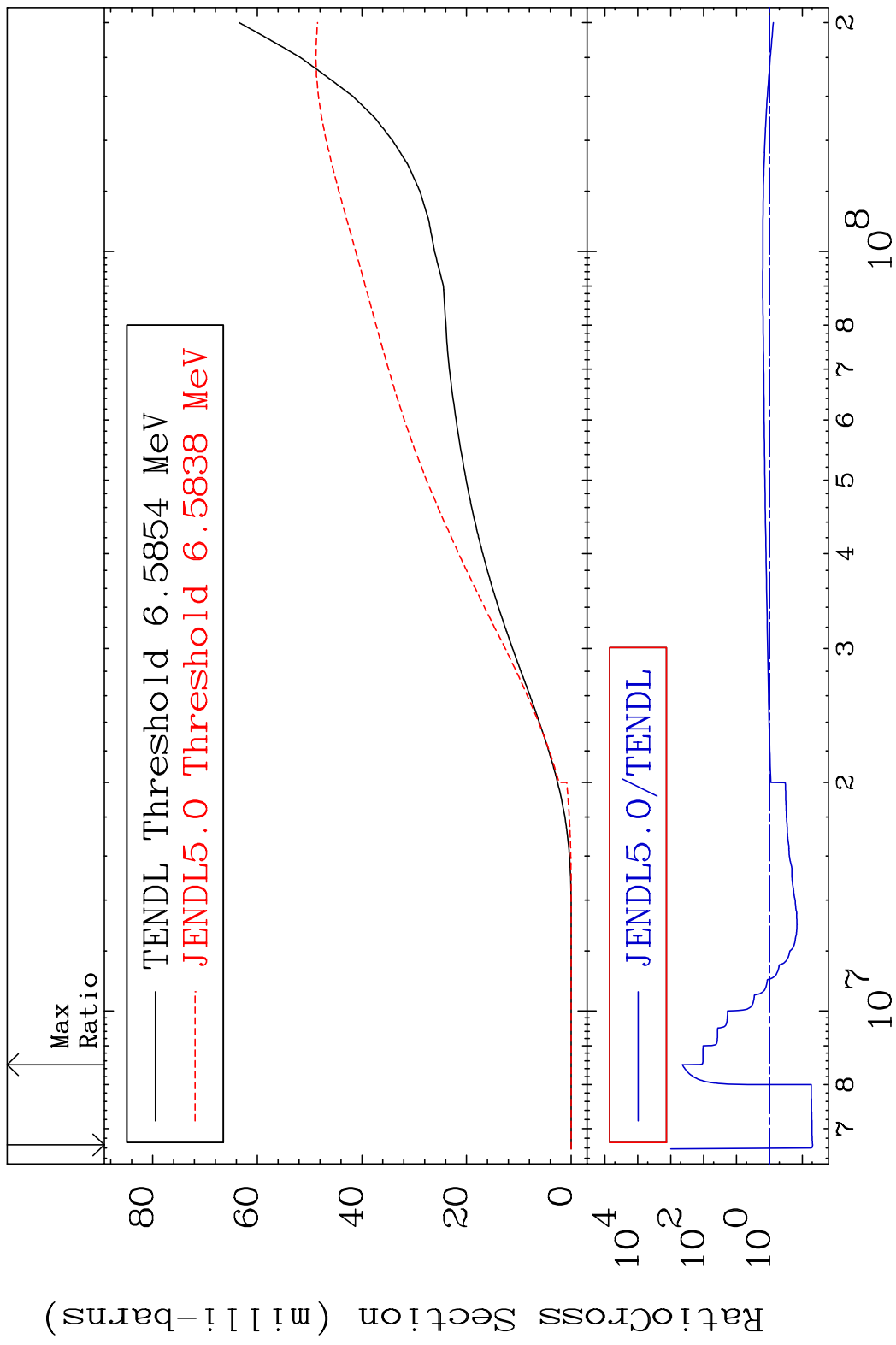


45

Incident Energy (eV)

55-Cs-133

MAT 5525 Tritium Production 55-Cs-133  
 Cross Section -95.10 To 9999. %



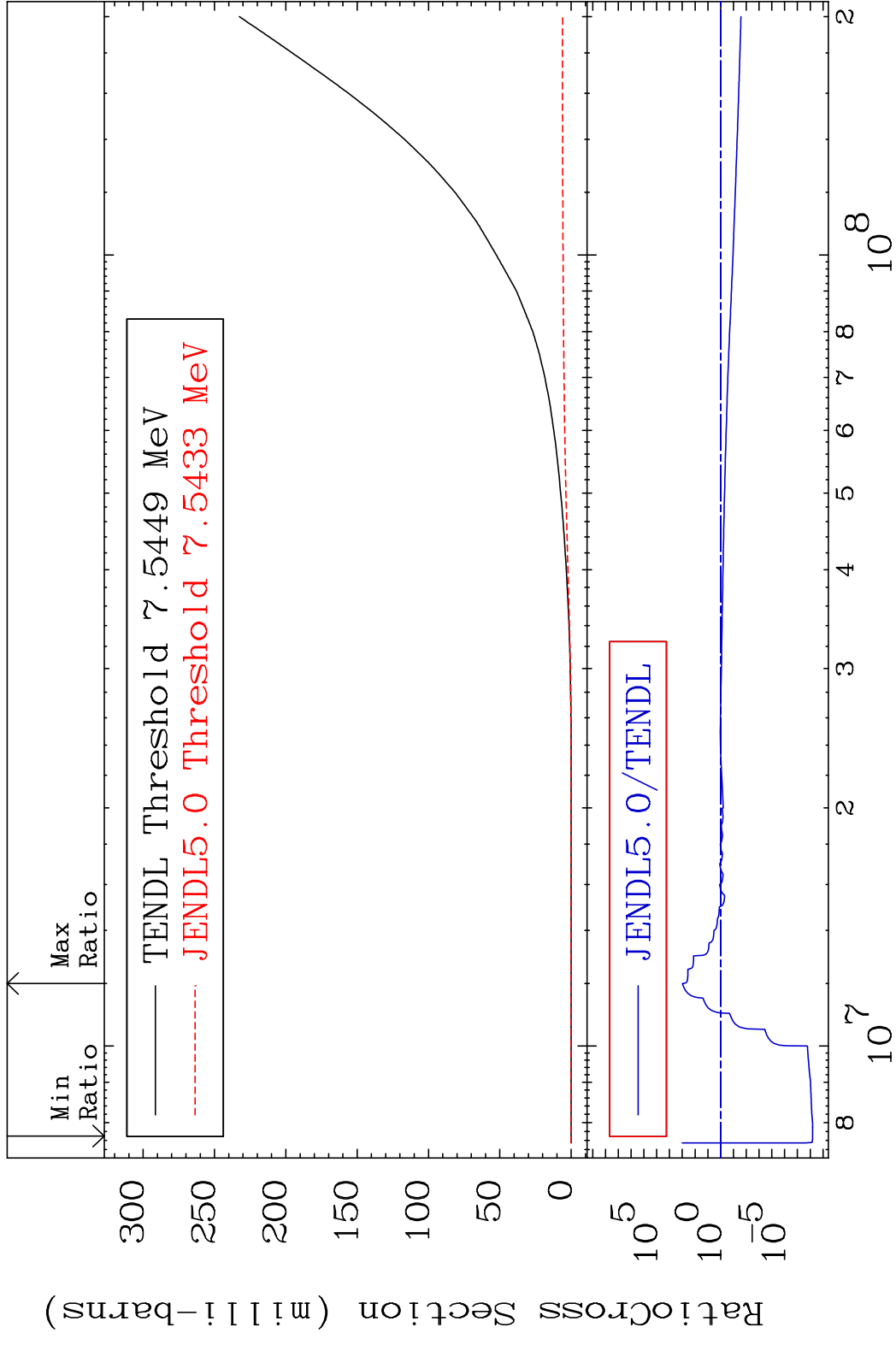
46 Incident Energy (eV) 55-Cs-133

MAT 5525

He-3 Production

55-Cs-133

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

55-Cs-133

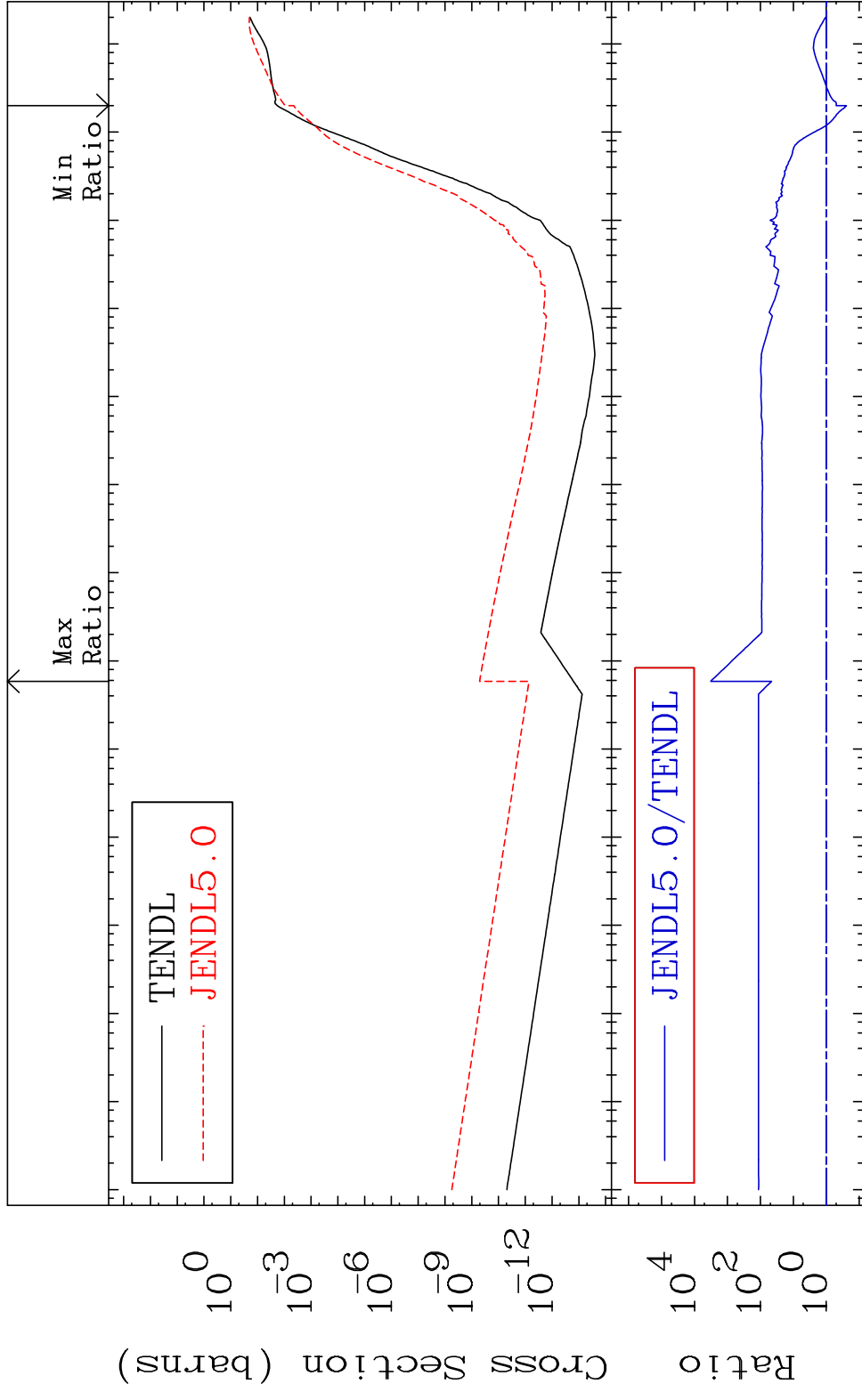


MAT 5525

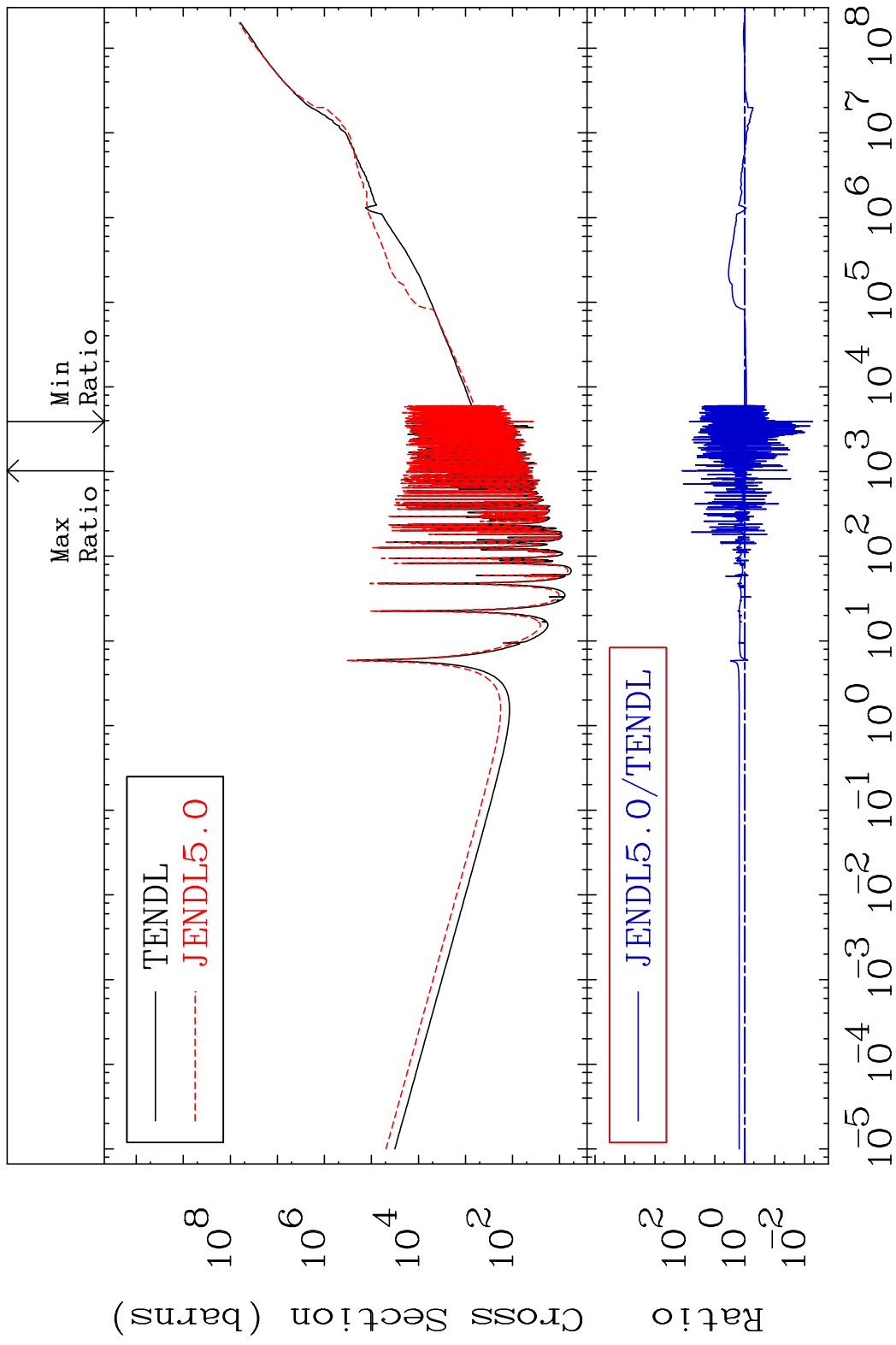
He-4 Production

55-Cs-133

Cross Section -75.41 To 9999. %



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

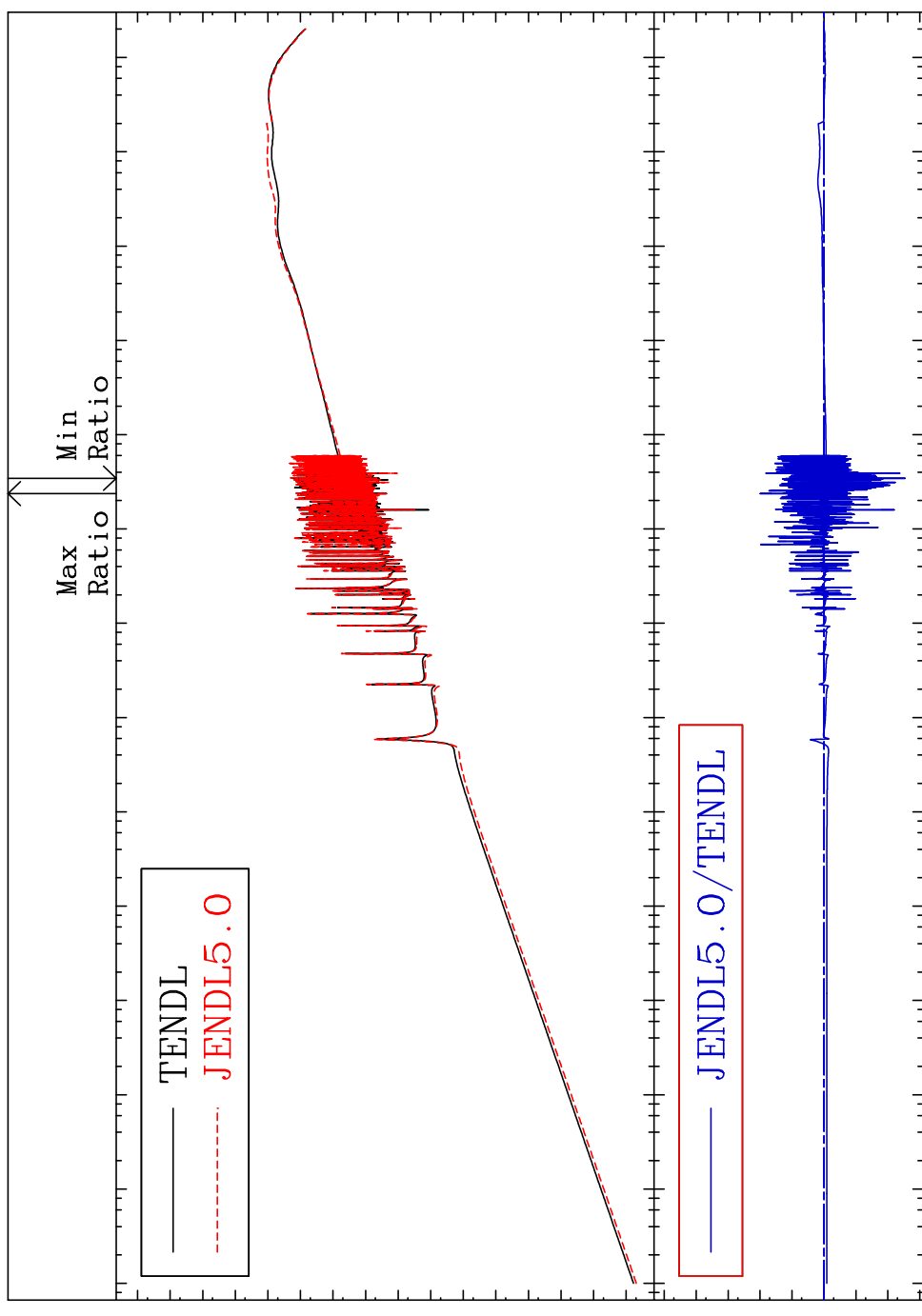


49 Incident Energy (eV) 55-Cs-133

MAT 5525

Kerma elastic Cross Section -99.71 To 9829. %

55-Cs-133



Cross Section (barns)

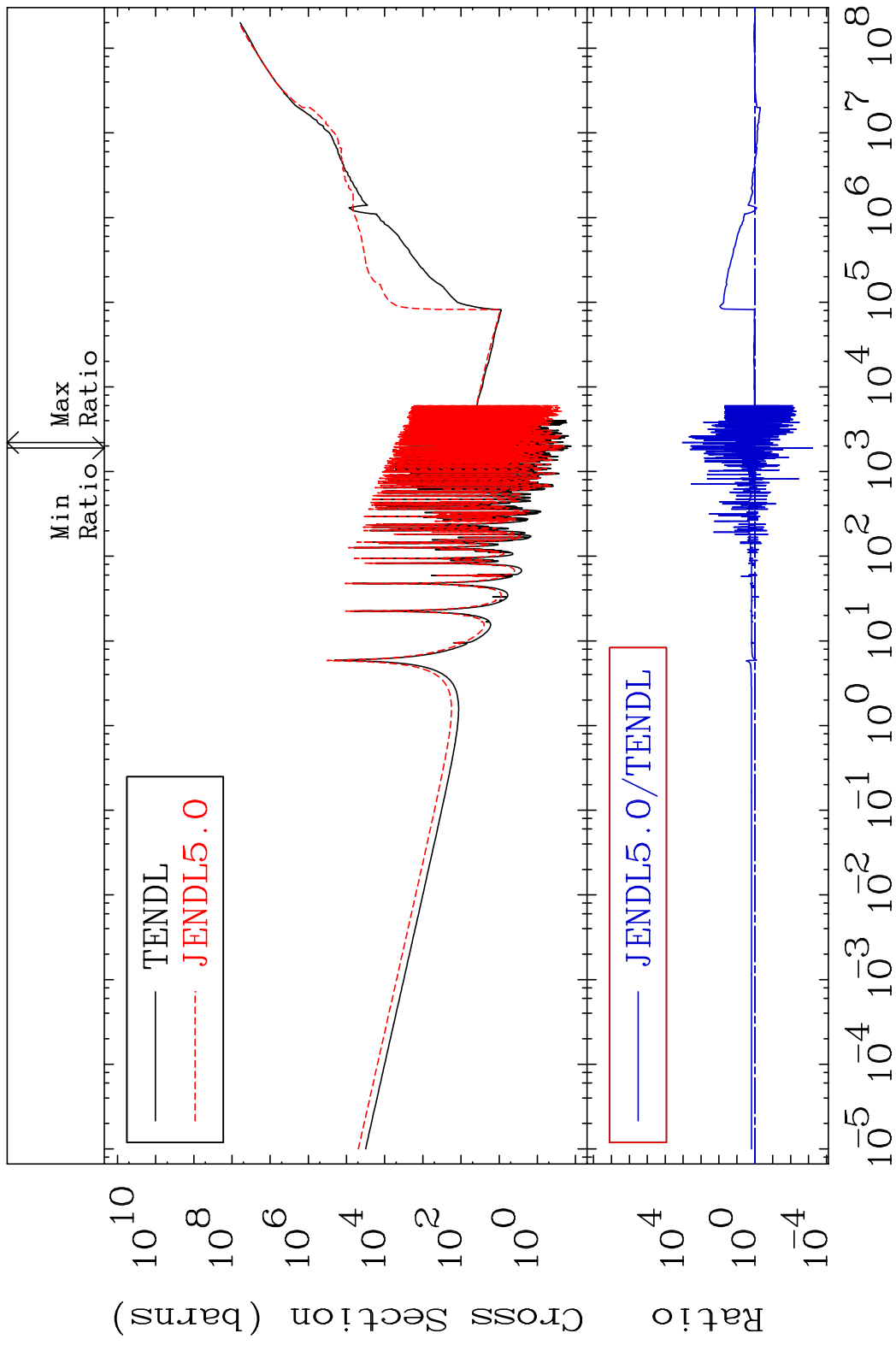
Ratio

Incident Energy (eV)

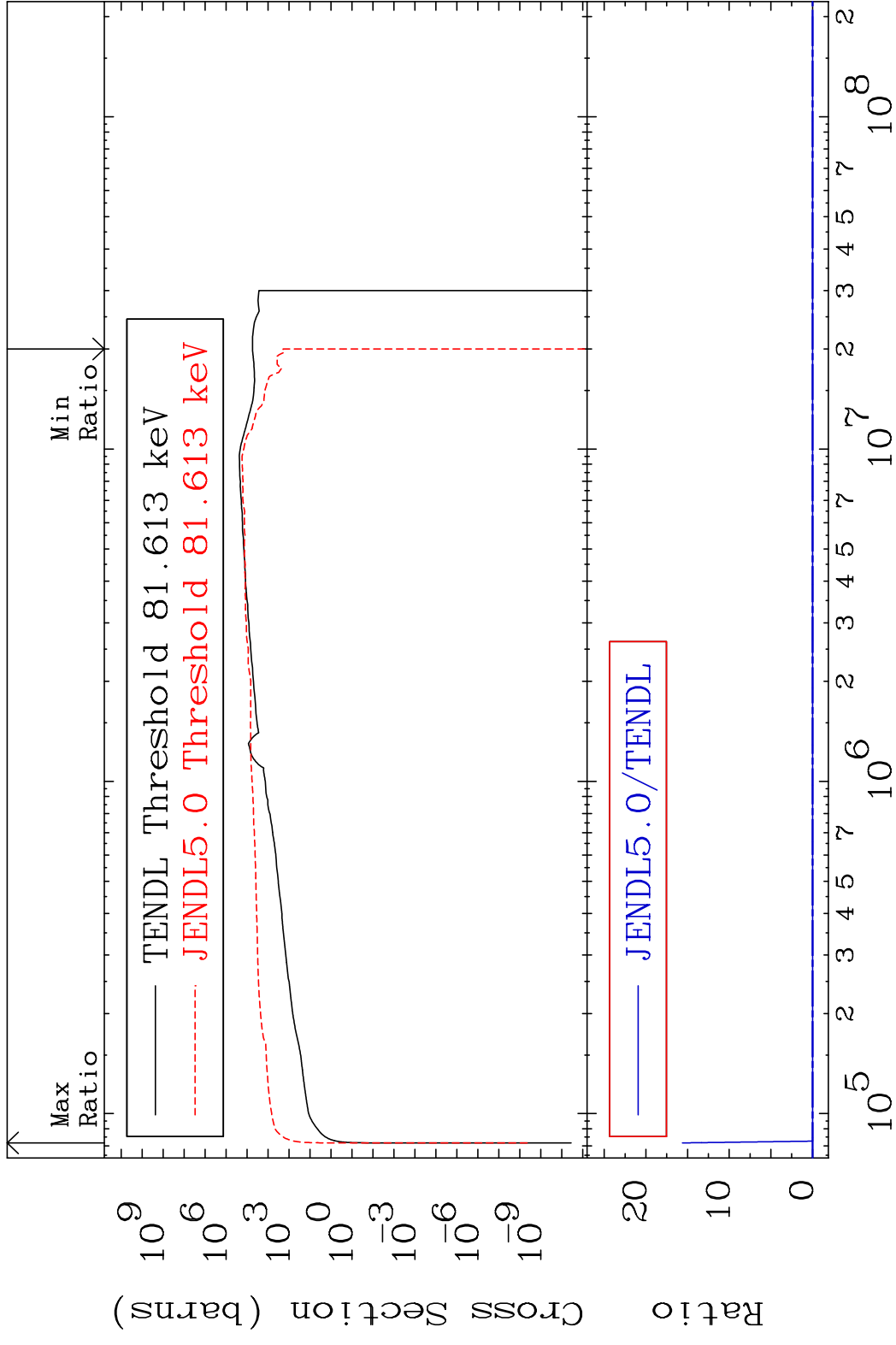
50

55-Cs-133

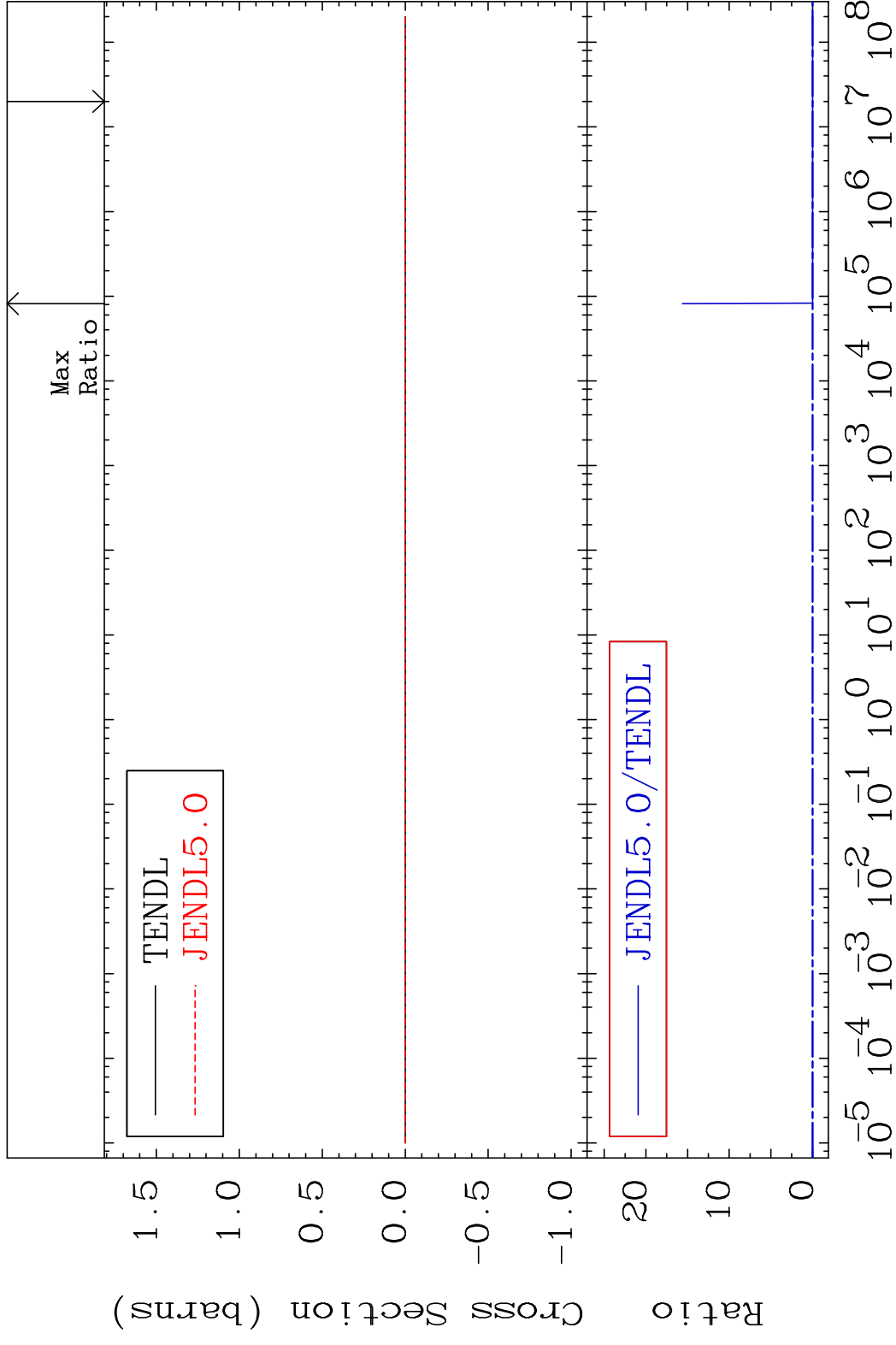
MAT 5525 Kerma non-elastic (all but mt2) 55-Cs-133  
 Cross Section -99.94 To 9999. %



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



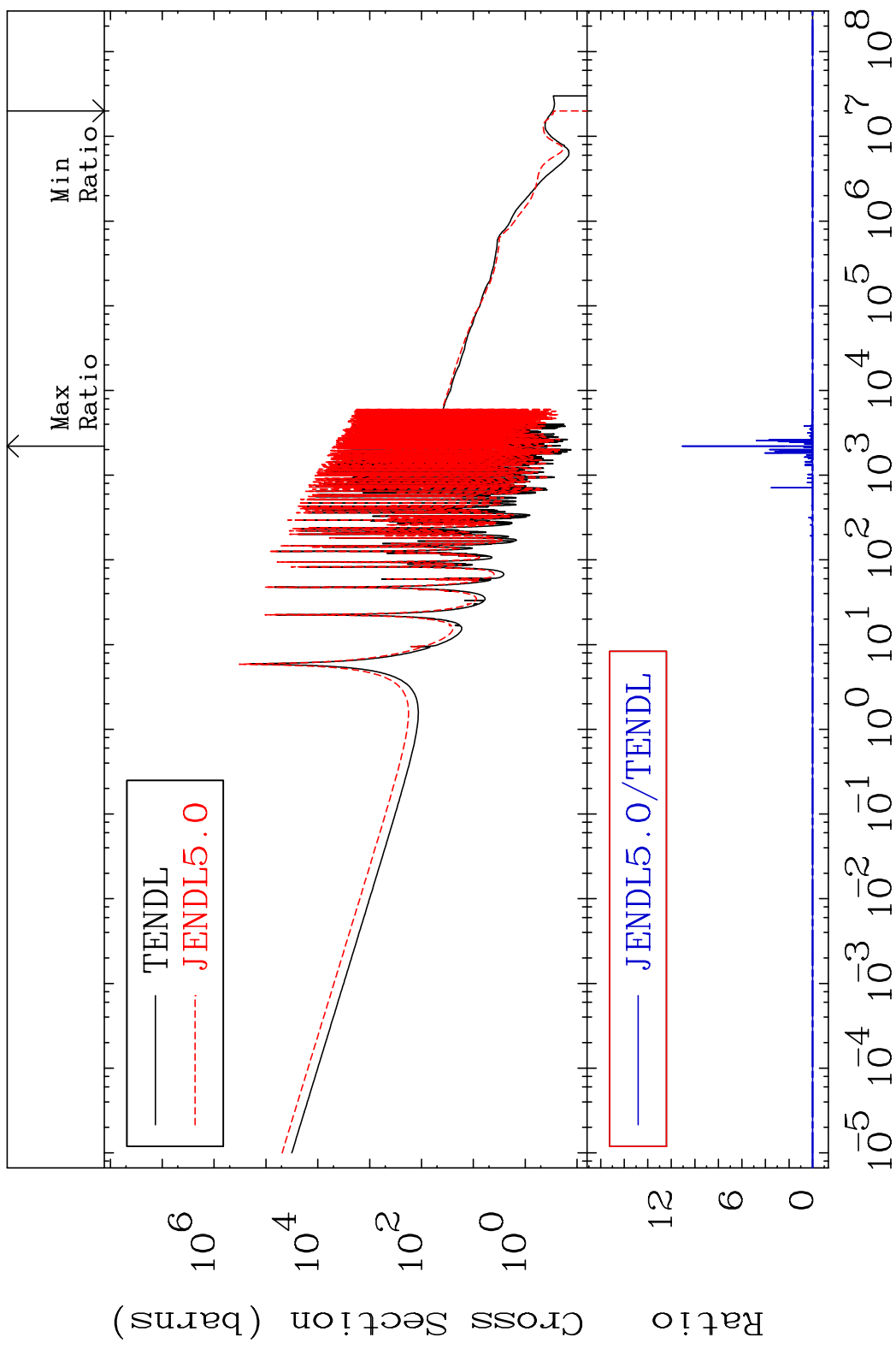
MAT 5525 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-133  
 Cross Section -100.0 To 9999. %



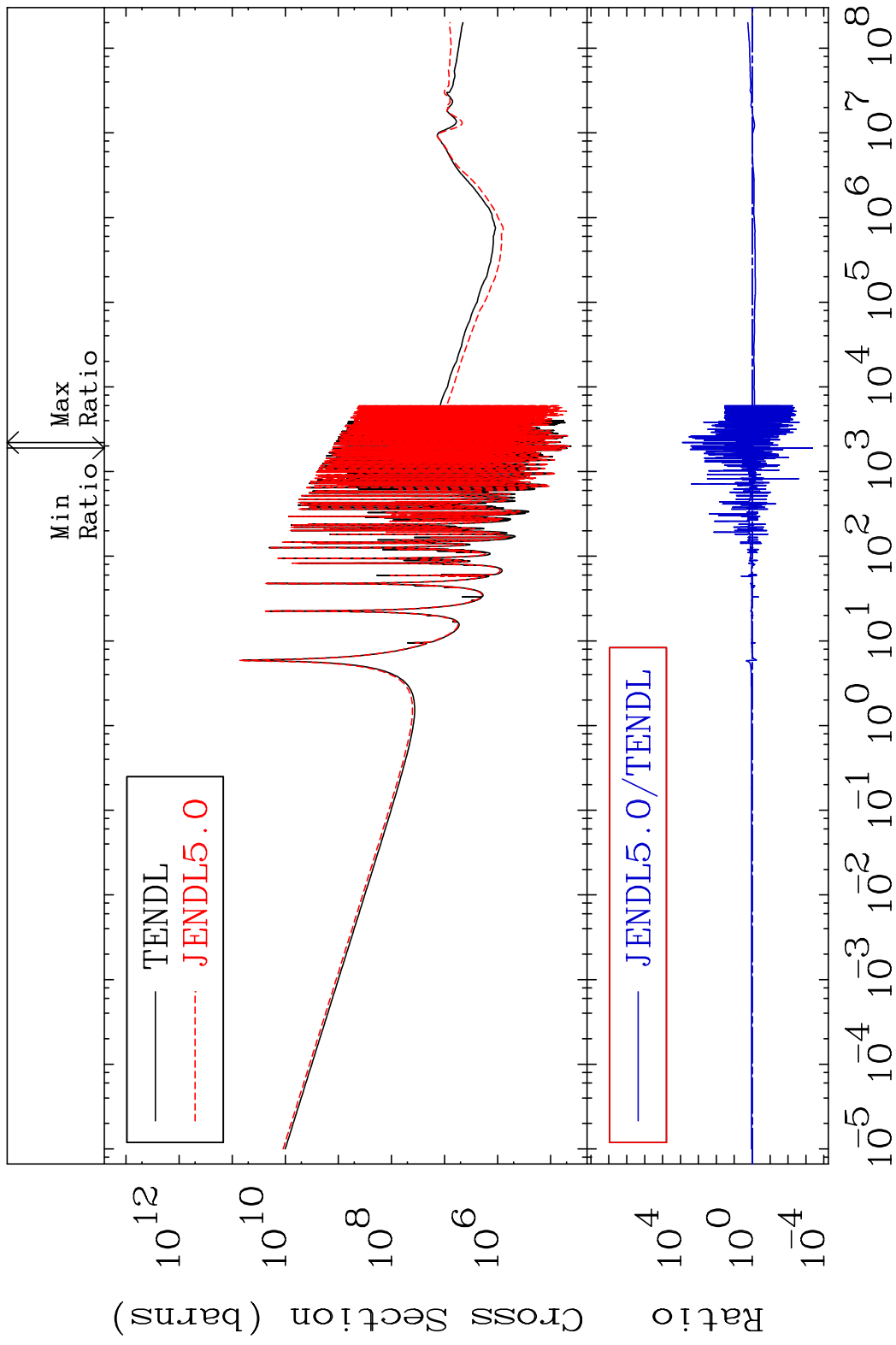
MAT 5525

Kerma capture (mt102) 55-Cs-133

Cross Section -100.0 To 9999. %



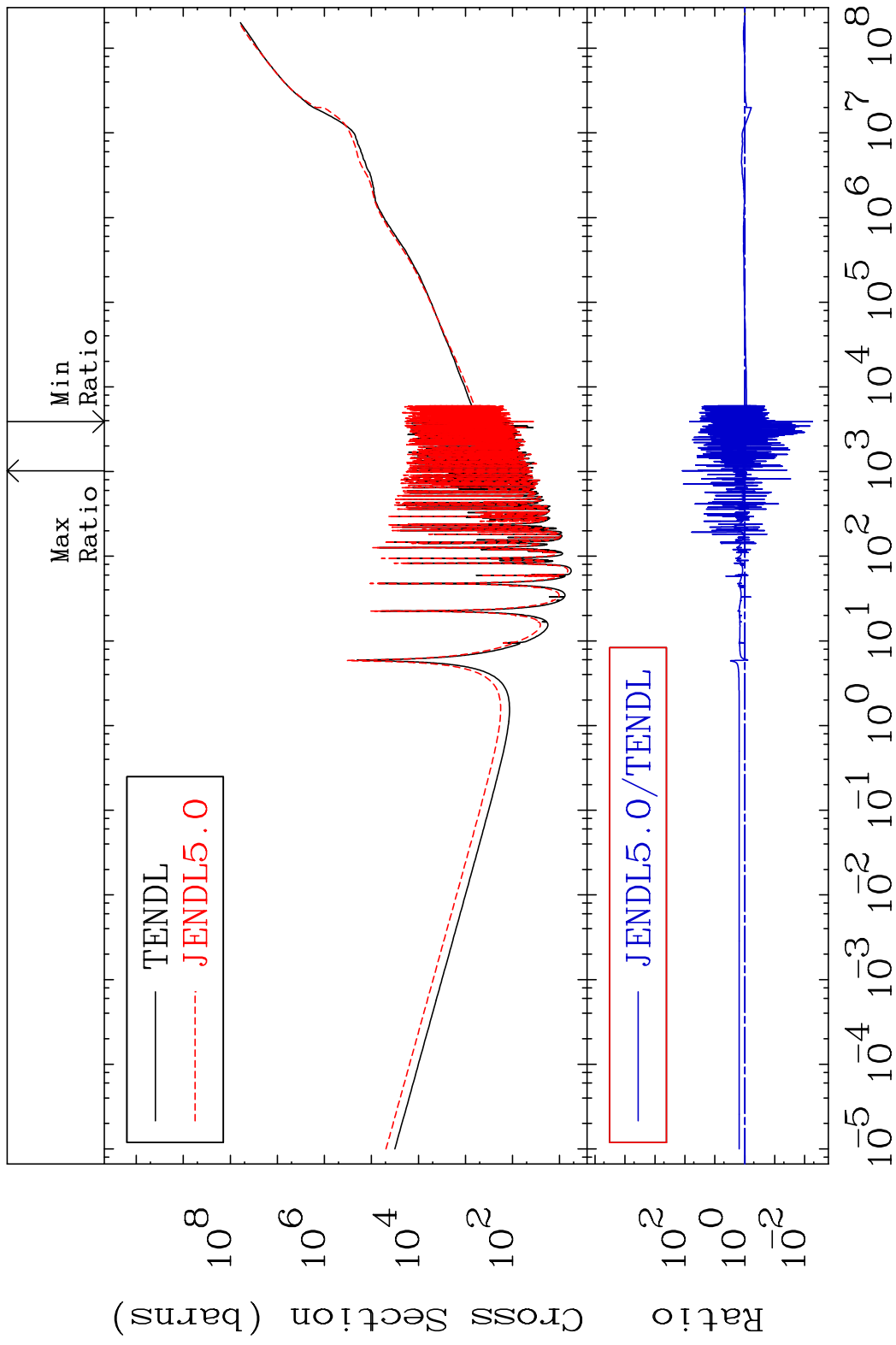
MAT 5525 Total photon (eV-barns) 55-Cs-133  
 Cross Section -99.96 To 9999. %



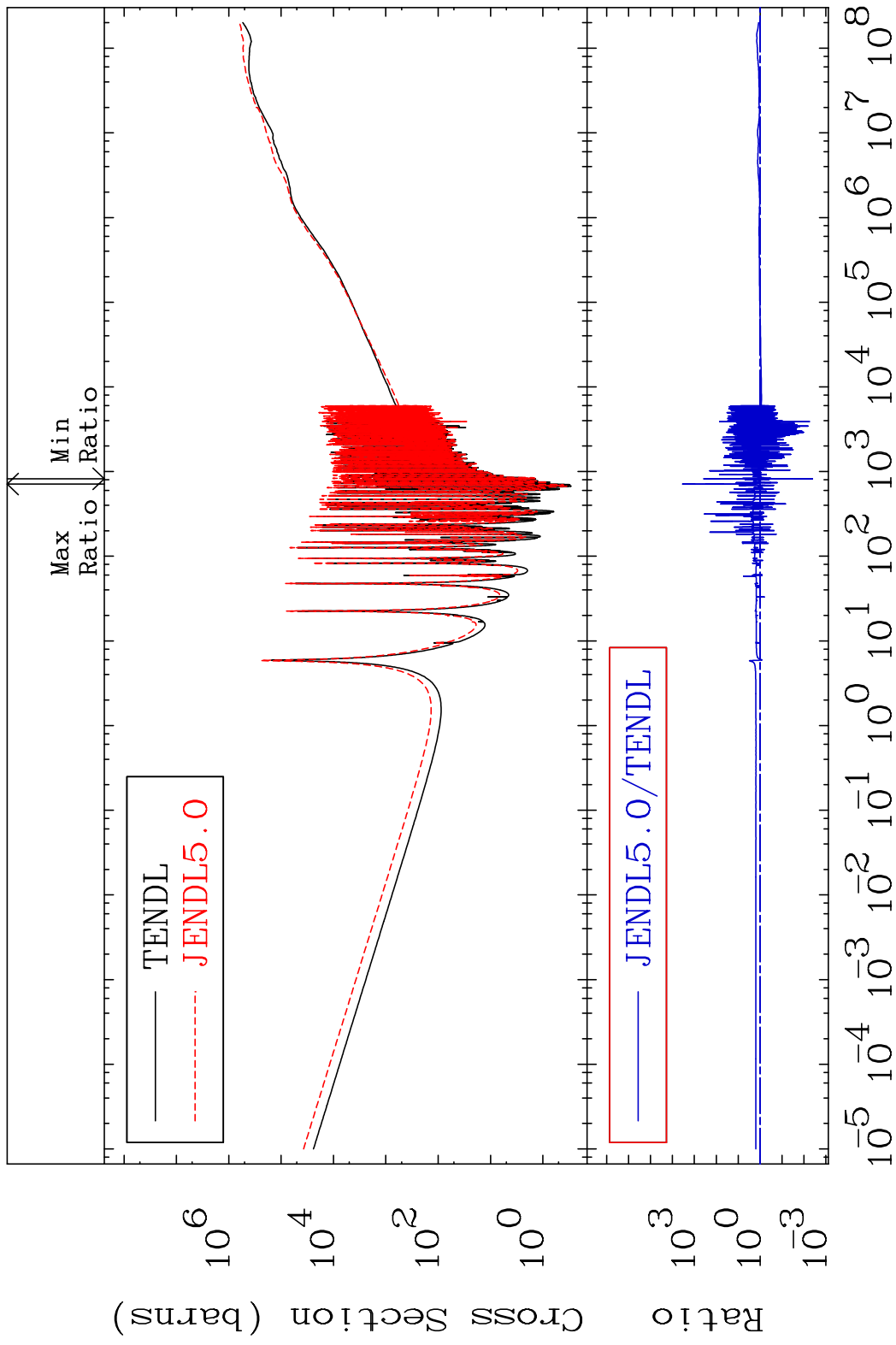
55 Incident Energy (eV) 55-Cs-133



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 -99.60 To 9999. %



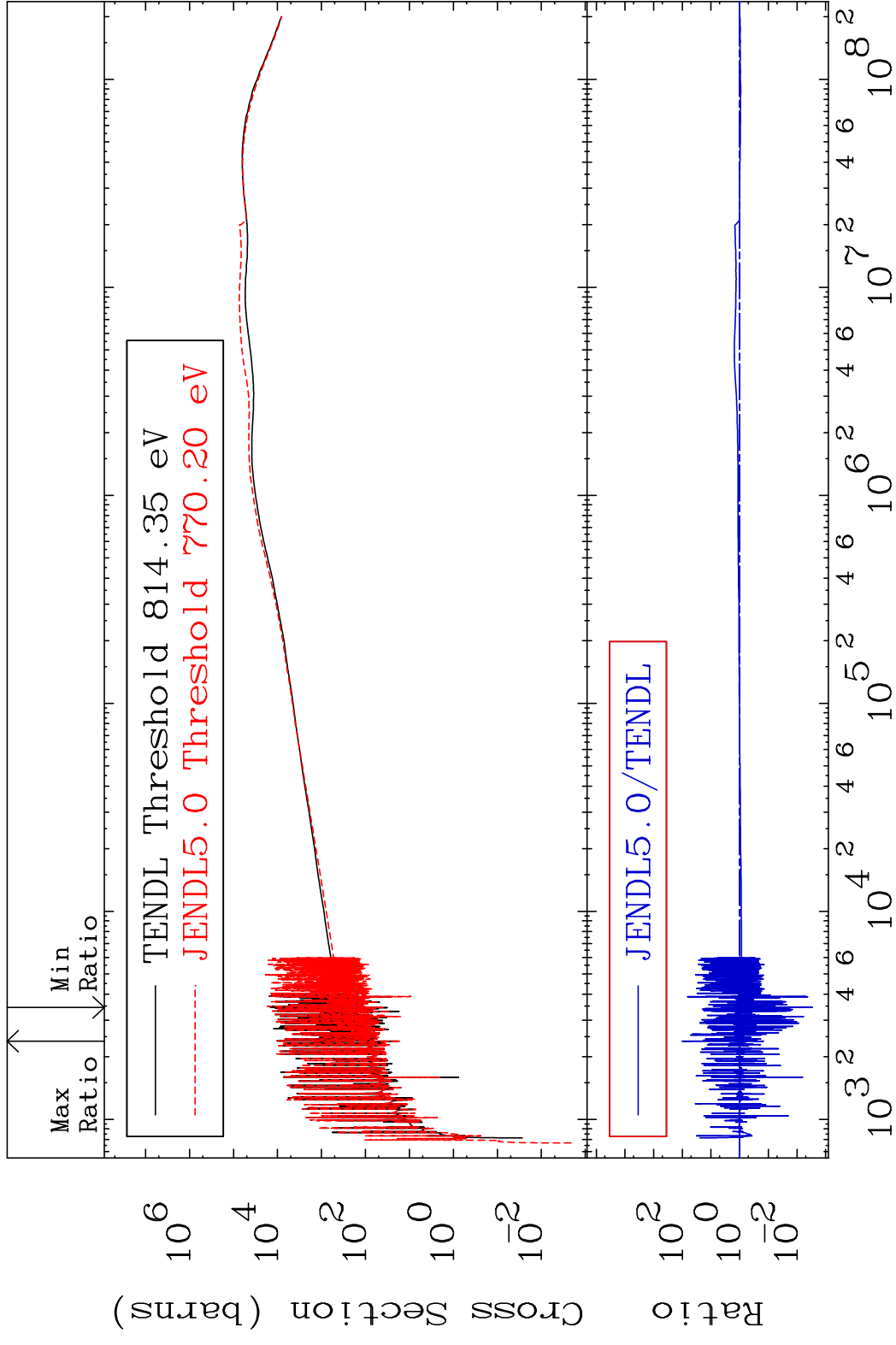
57 Incident Energy (eV) 55-Cs-133

MAT 5525

Dpa elastic (mt2)

55-Cs-133

Cross Section -99.71 To 9876. %

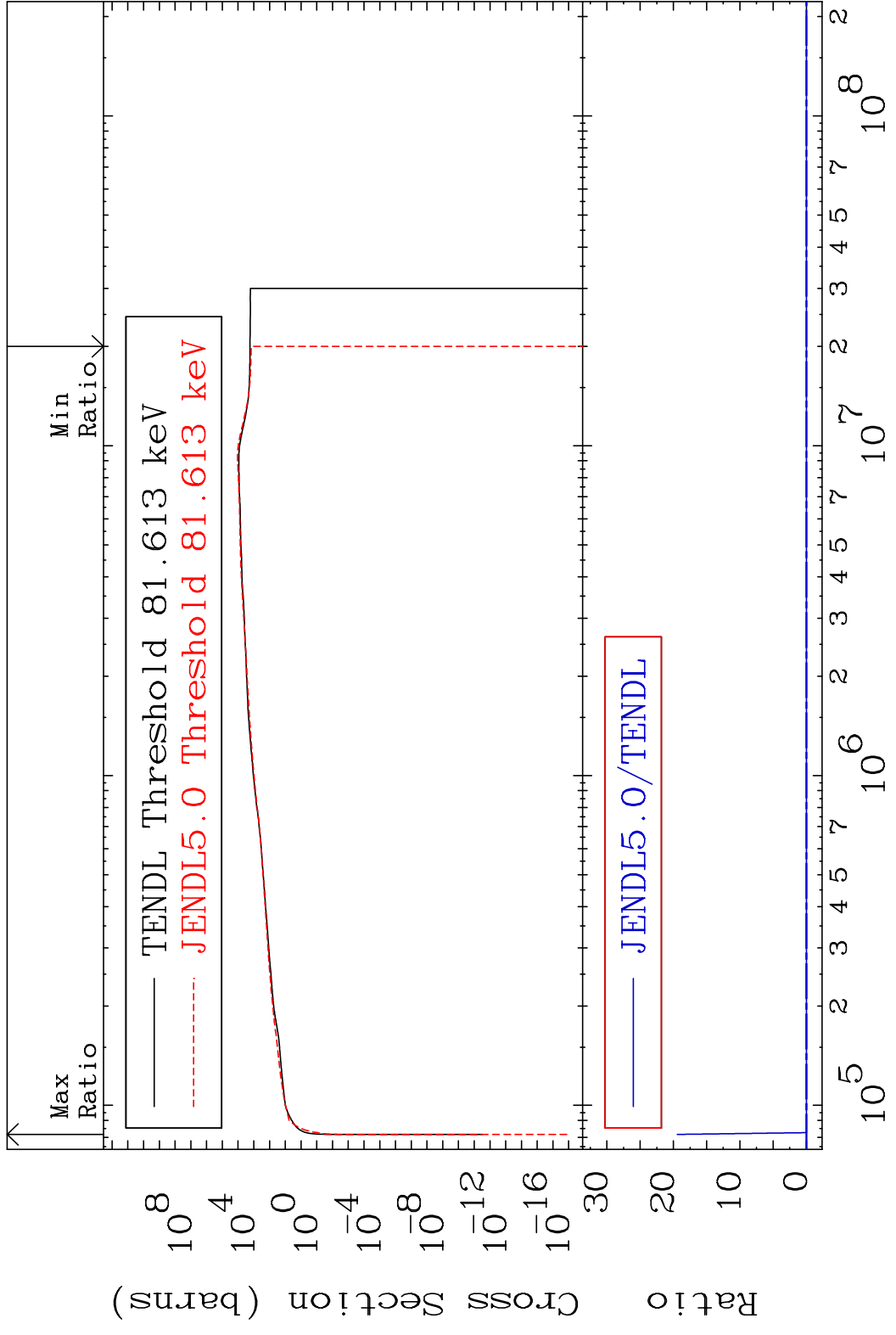


58

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. %

