

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

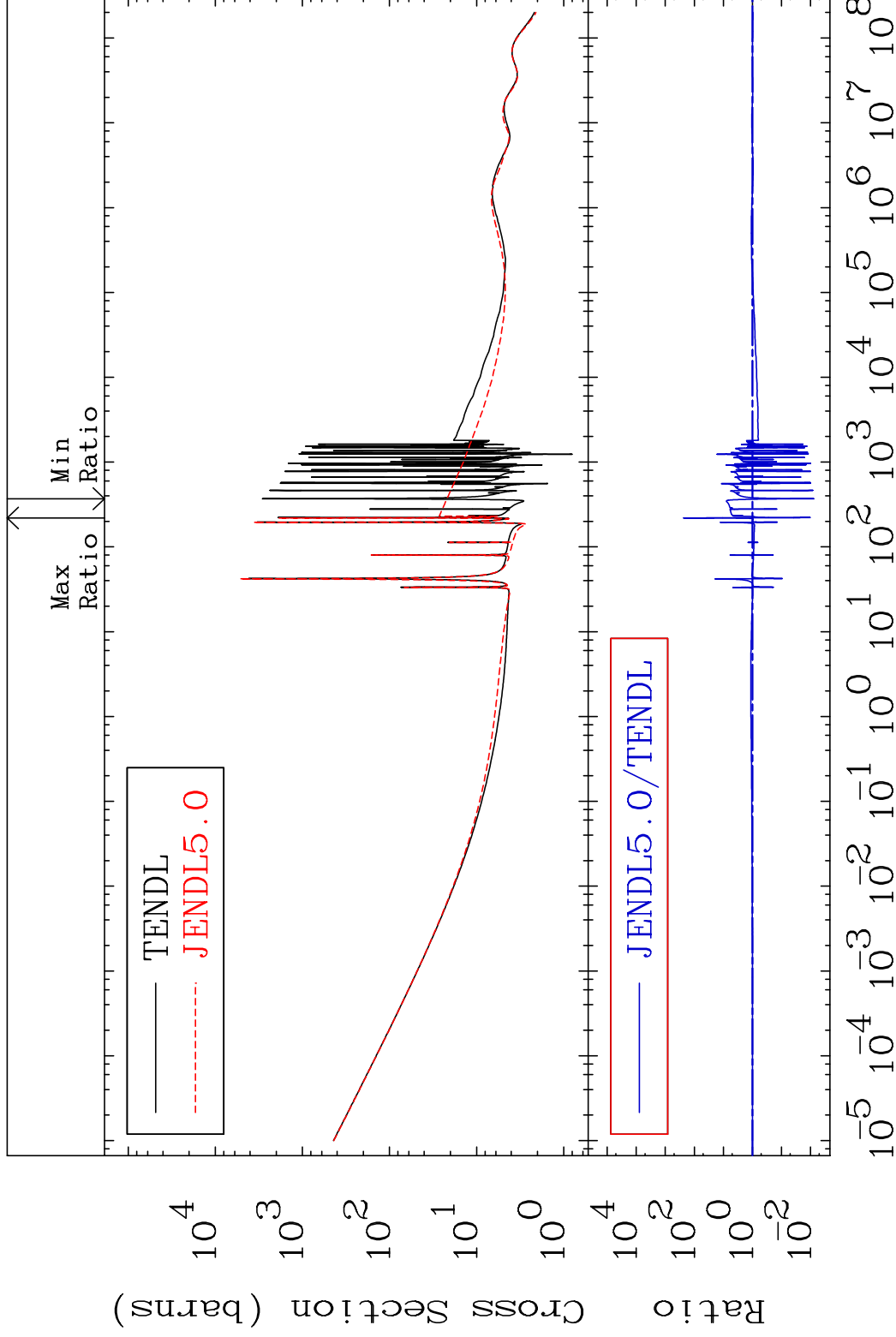
MAT 5531

Total

55-Cs-135

Cross Section

-99.25 To 9999. %



1

Incident Energy (eV)

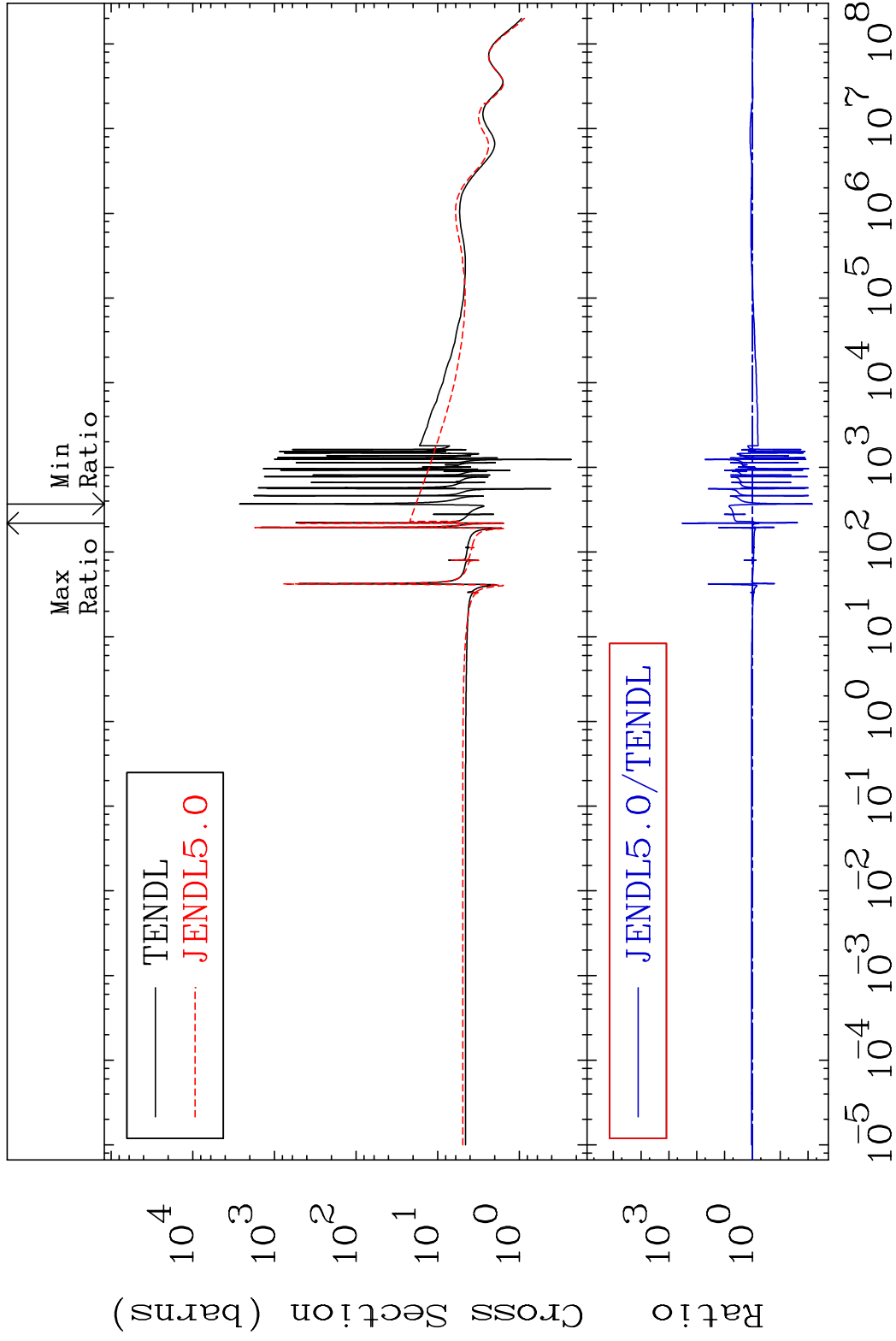
55-Cs-135

MAT 5531

Elastic

55-Cs-135

Cross Section -99.31 To 9999. %

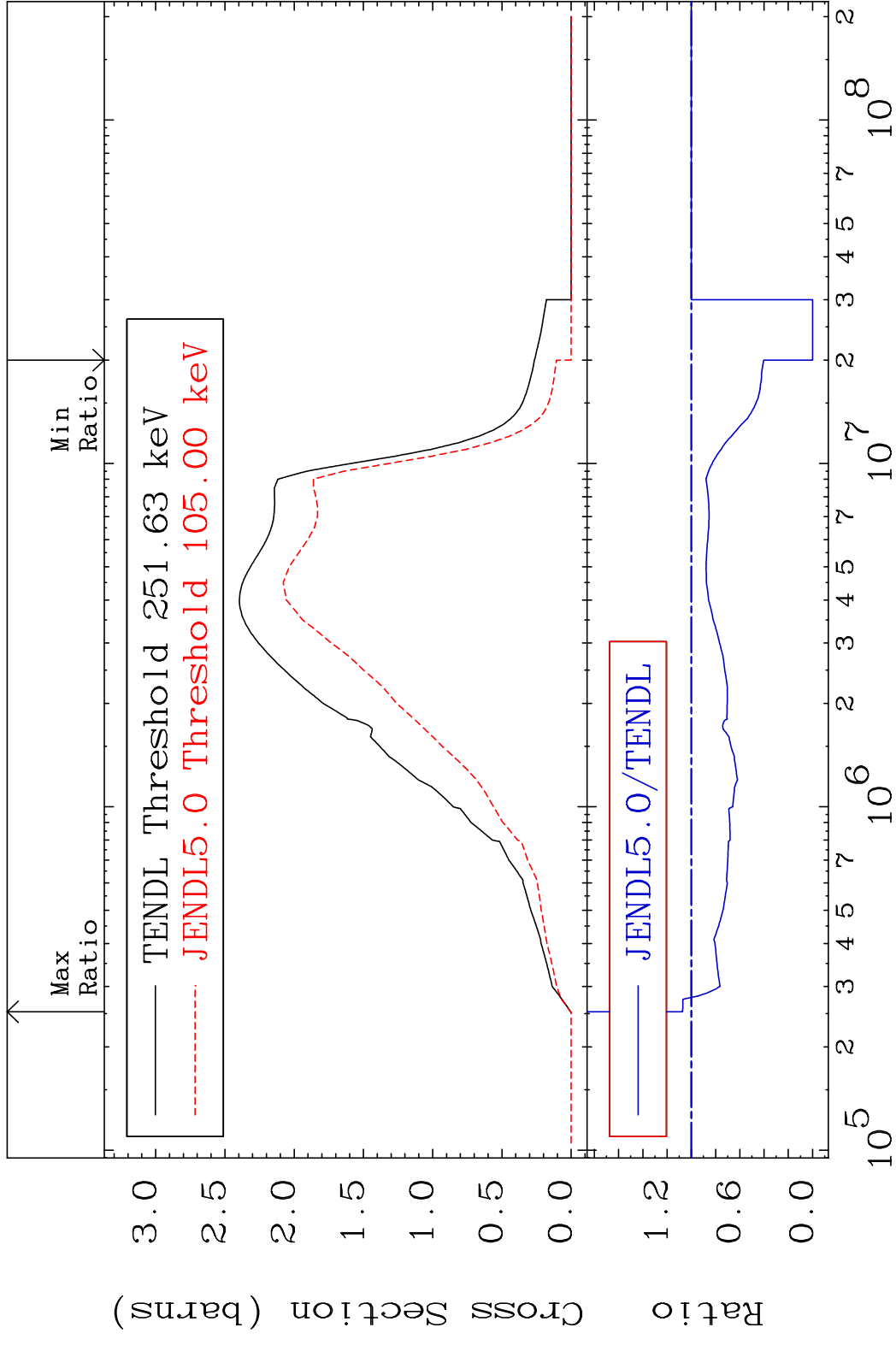


2

Incident Energy (eV)

55-Cs-135

MAT 5531 Inelastic 55-Cs-135  
 Cross Section -100.0 To 7.410 %



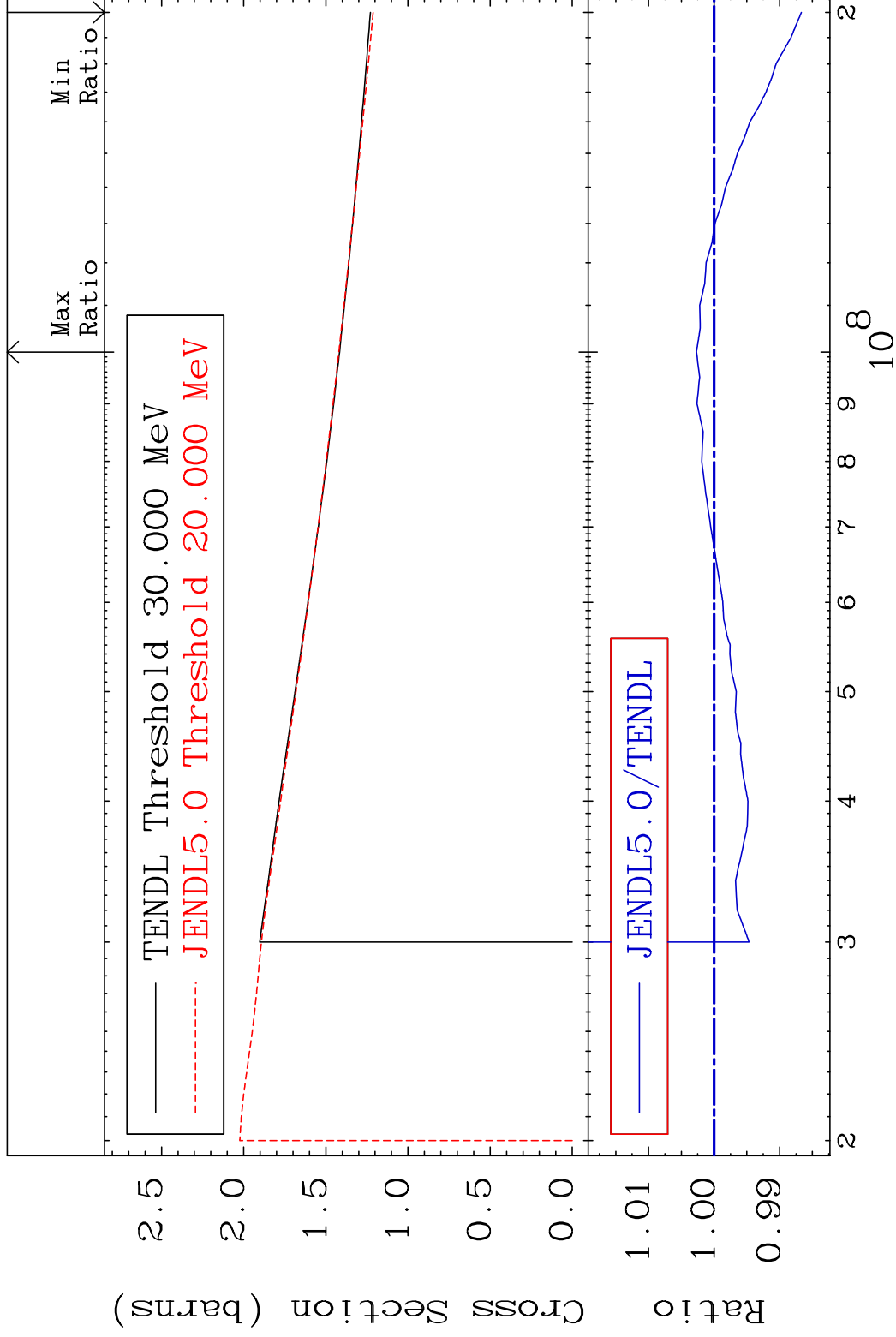
3 3 4 5 7 2 3 4 5 7 8 2  
 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
 55-Cs-135

MAT 5531

(n, remainder)

55-Cs-135

Cross Section -1.330 To 0.269 %



4

Incident Energy (eV)

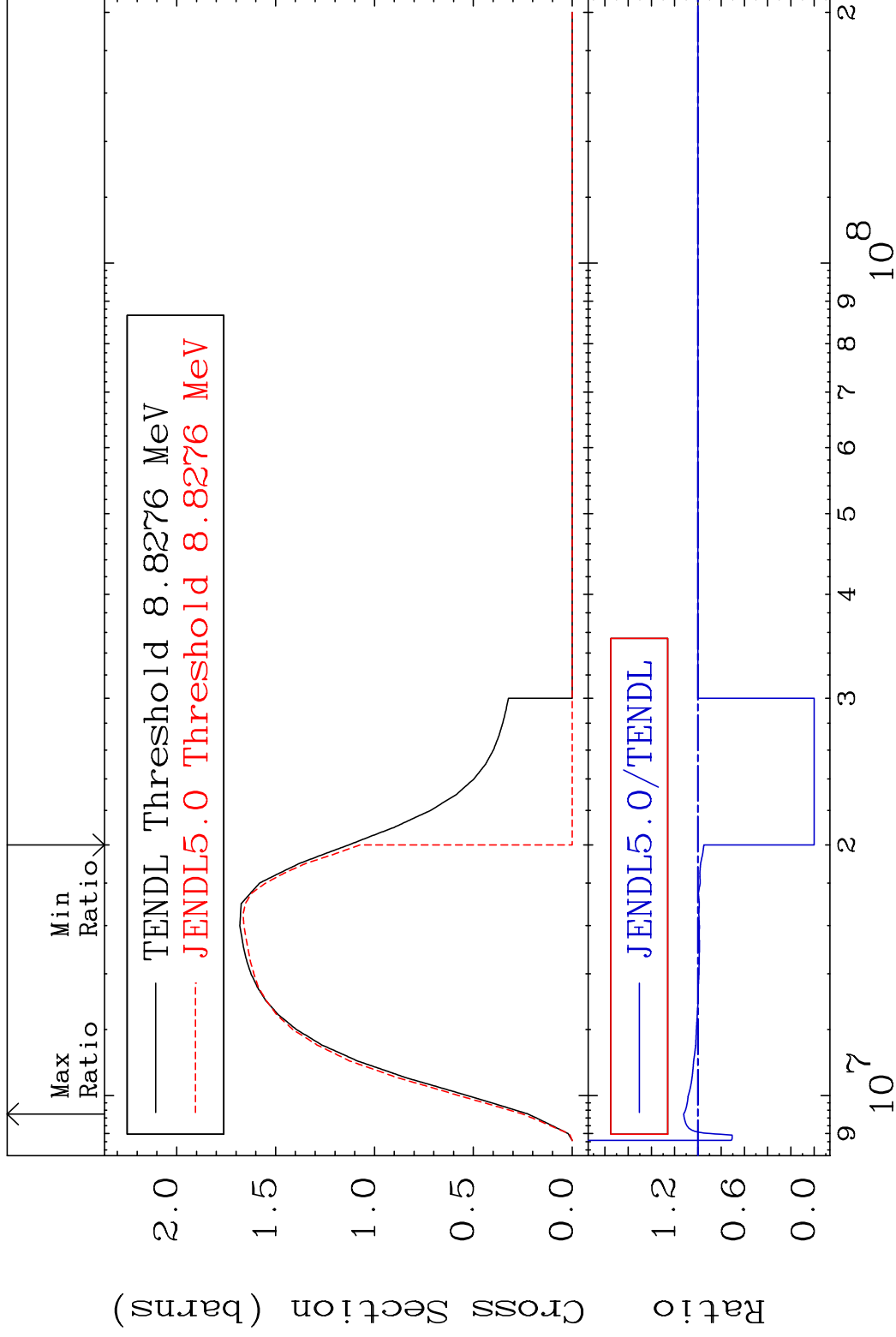
55-Cs-135

MAT 5531

(n,2n)

55-Cs-135

Cross Section -100.0 To 12.26 %

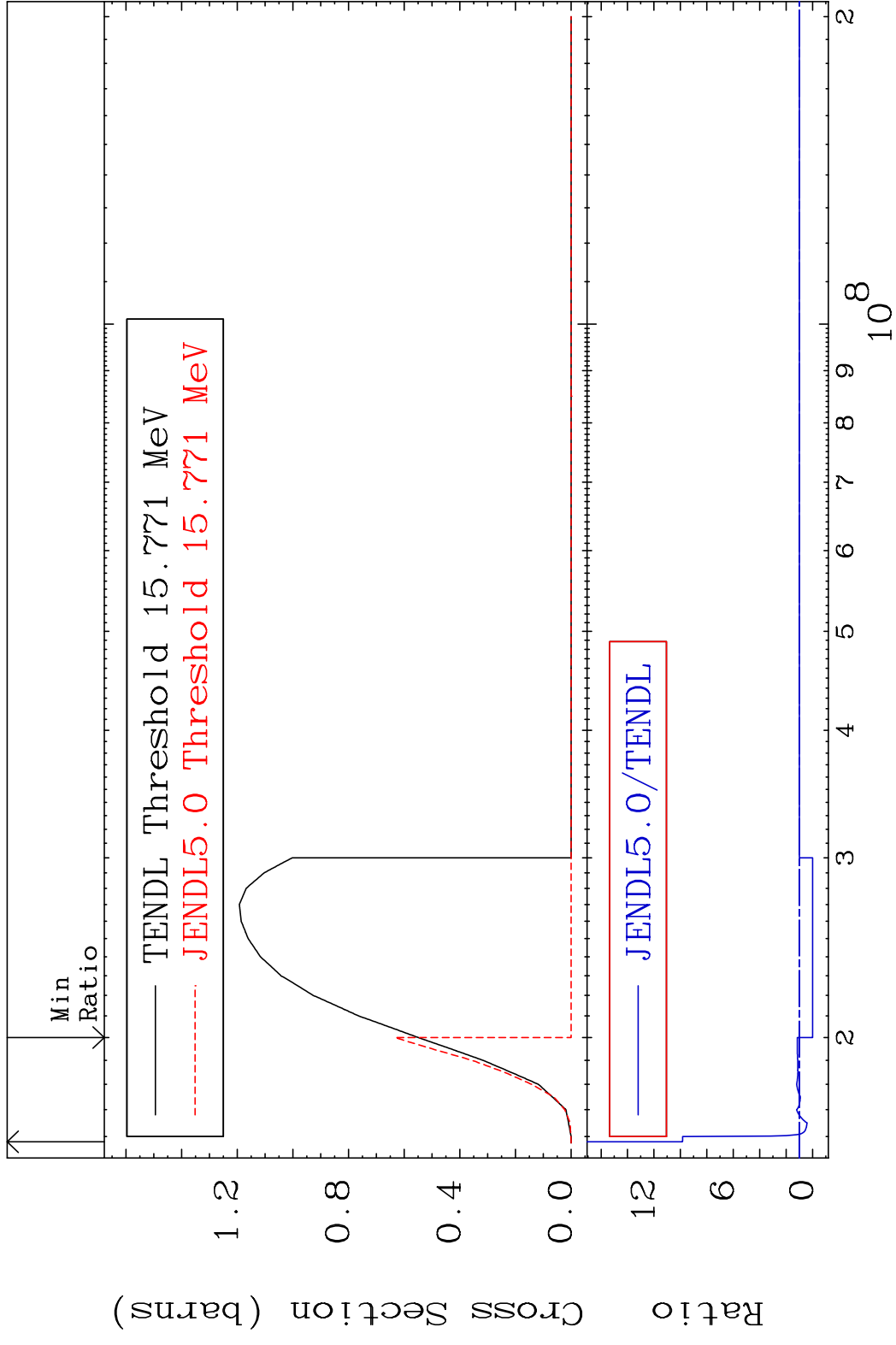


5

Incident Energy (eV)

55-Cs-135

MAT 5531 (n,3n) 55-Cs-135  
 Cross Section -100.0 To 885.1 %

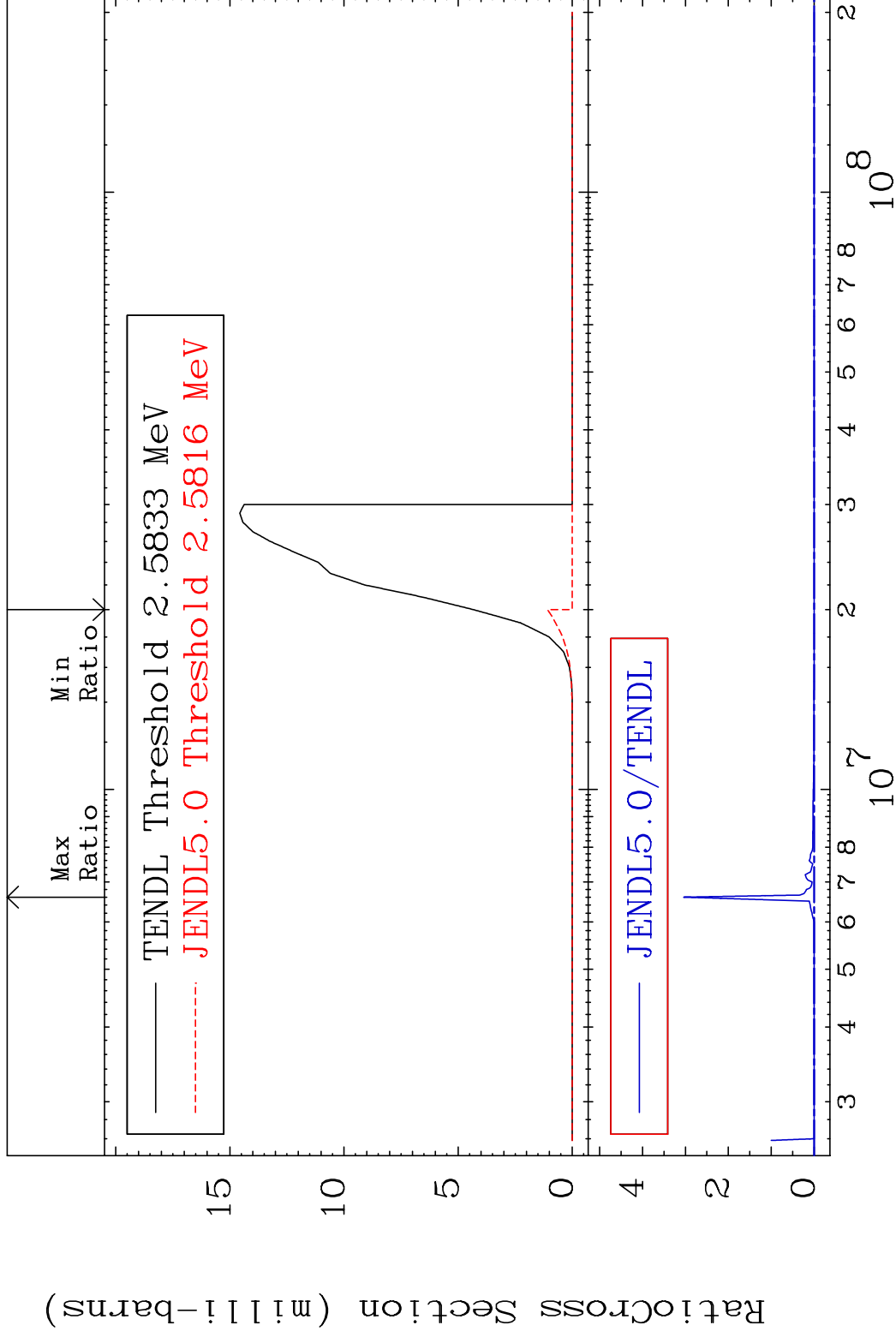


MAT 5531

(n, n')  $\alpha$

55-Cs-135

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

55-Cs-135

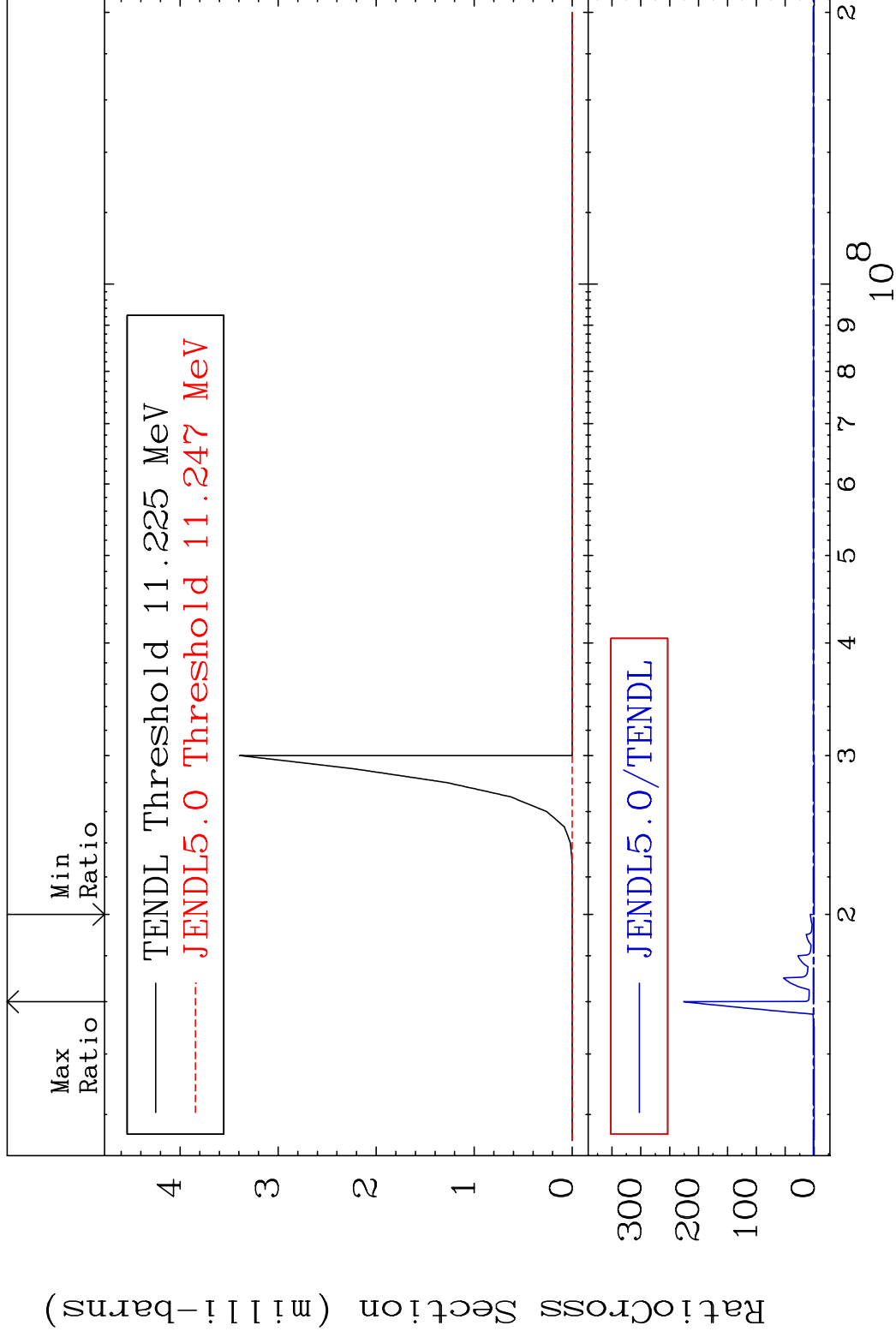


MAT 5531

(n,2n)  $\alpha$

55-Cs-135

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

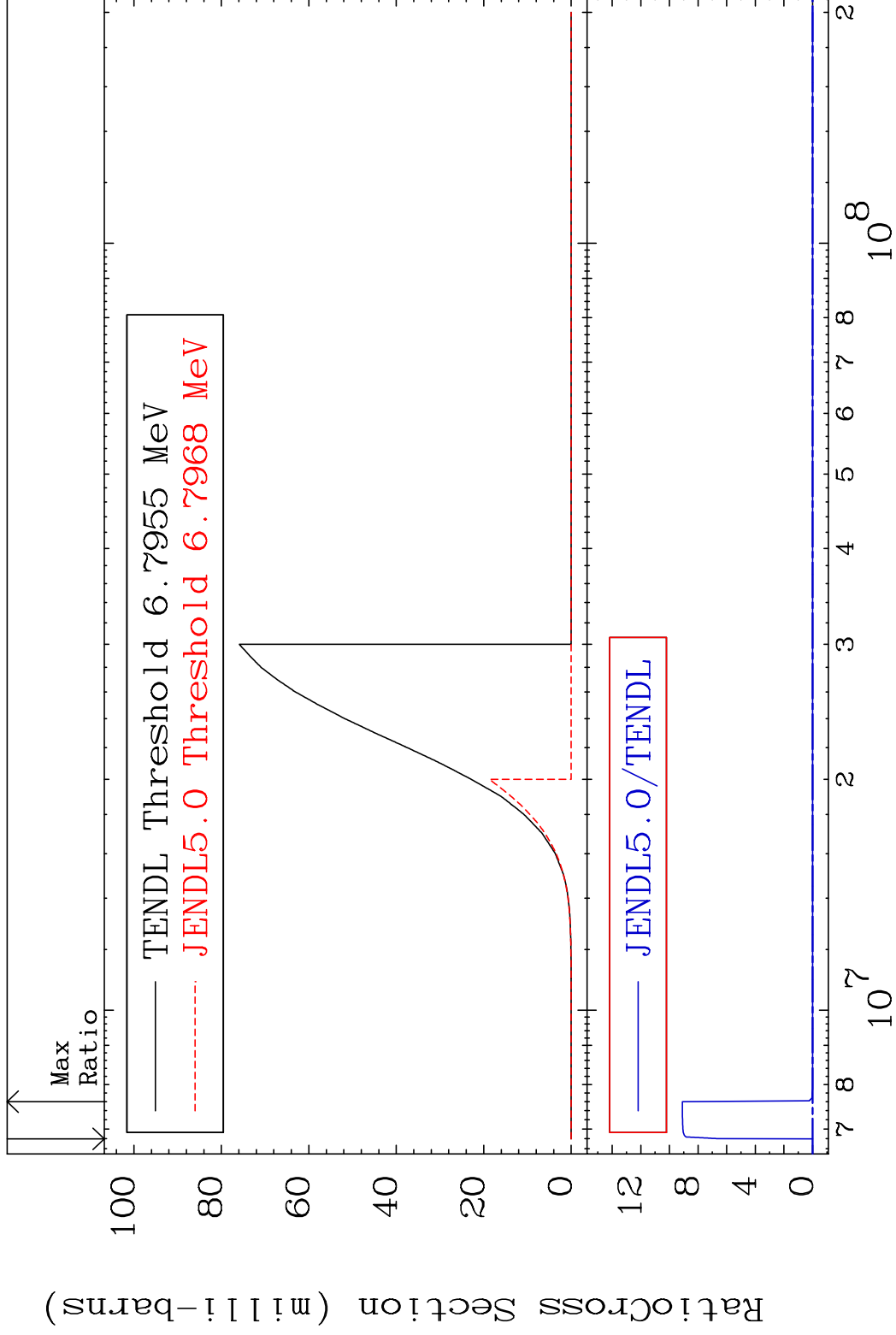
55-Cs-135

MAT 5531

(n, n') p

55-Cs-135

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

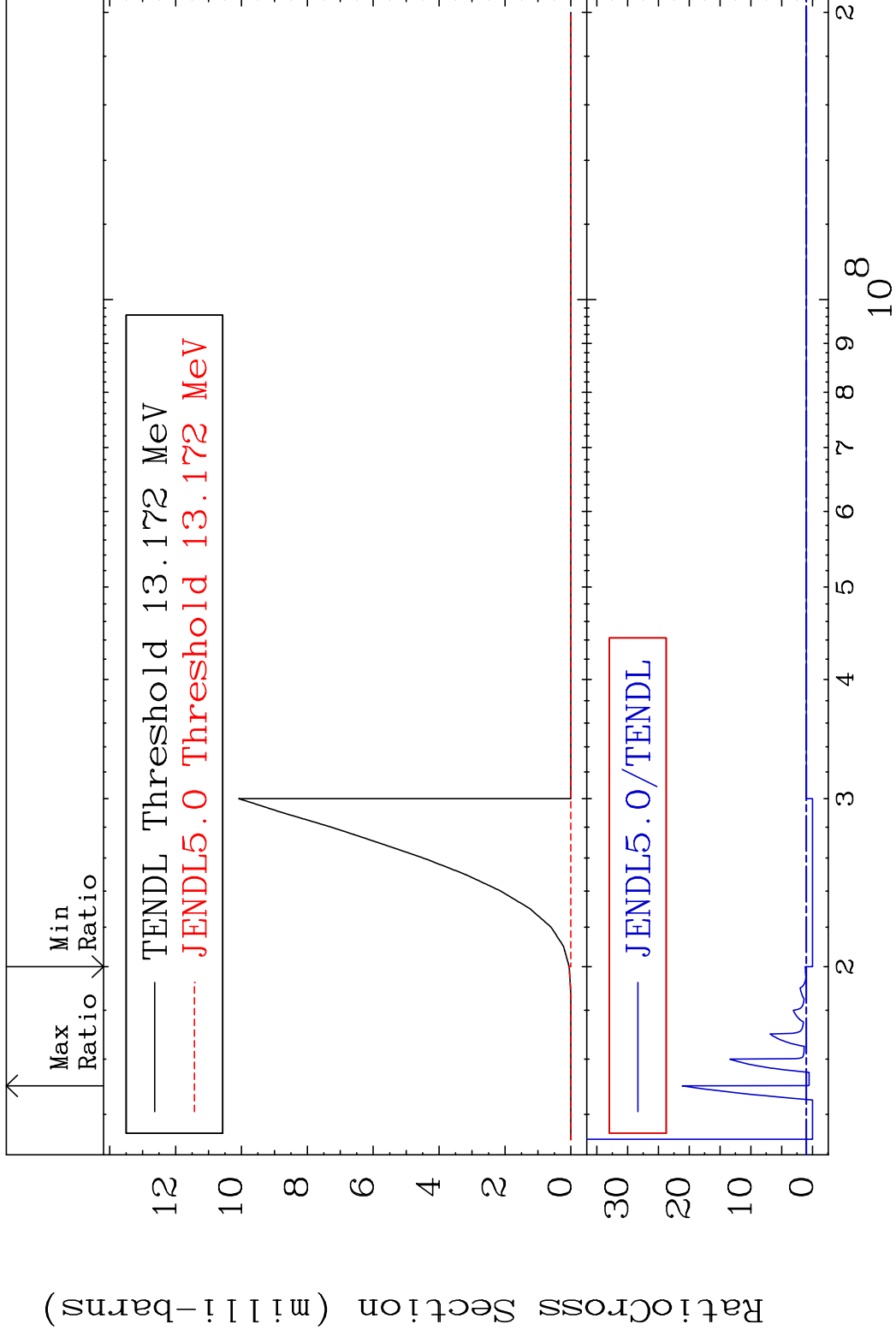
55-Cs-135

MAT 5531

(n, n') d

55-Cs-135

Cross Section -100.0 To 2016. %

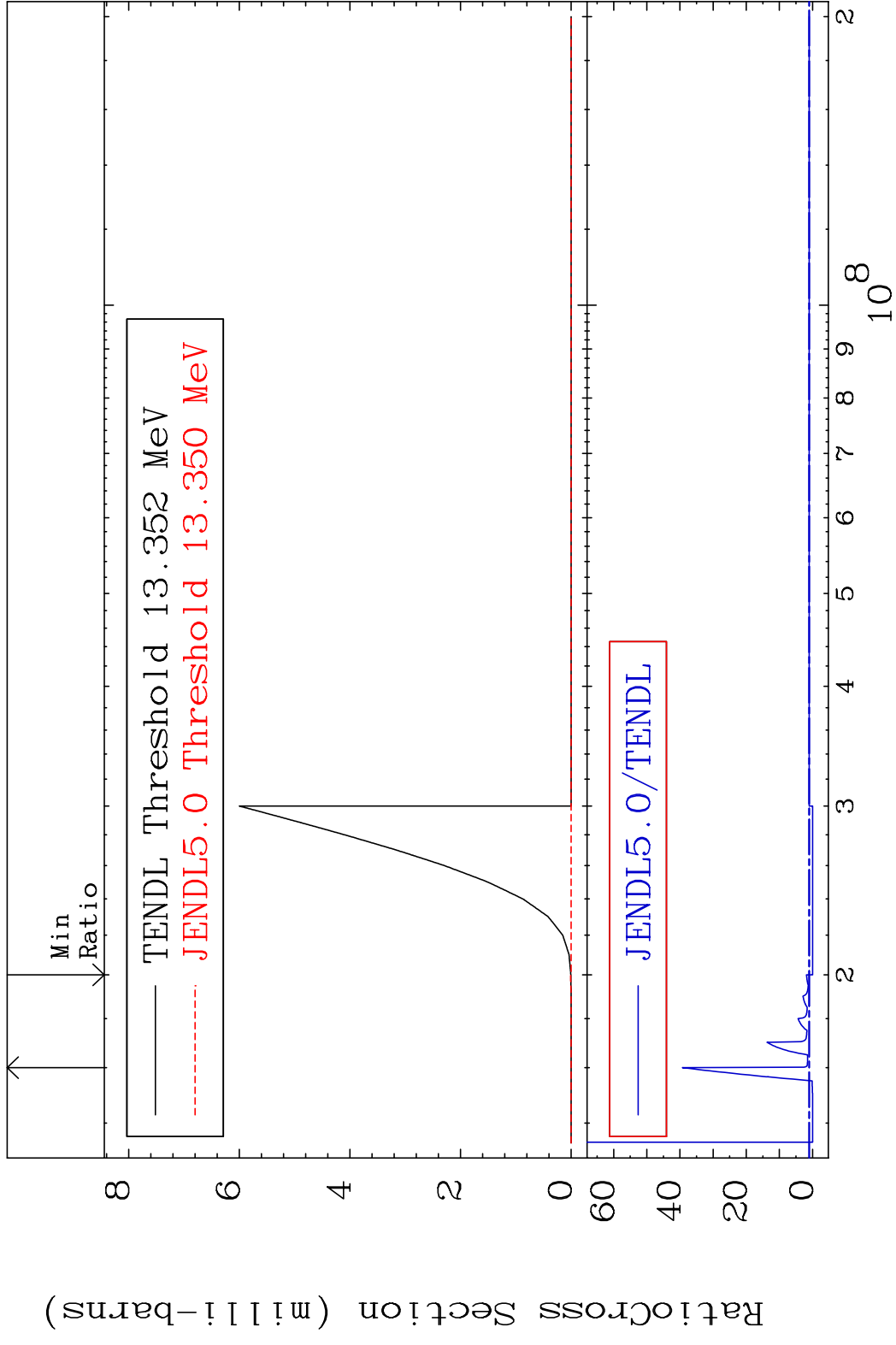


10

Incident Energy (eV)

55-Cs-135

MAT 5531 (n, n') t 55-Cs-135  
 Cross Section -100.0 To 3828. %

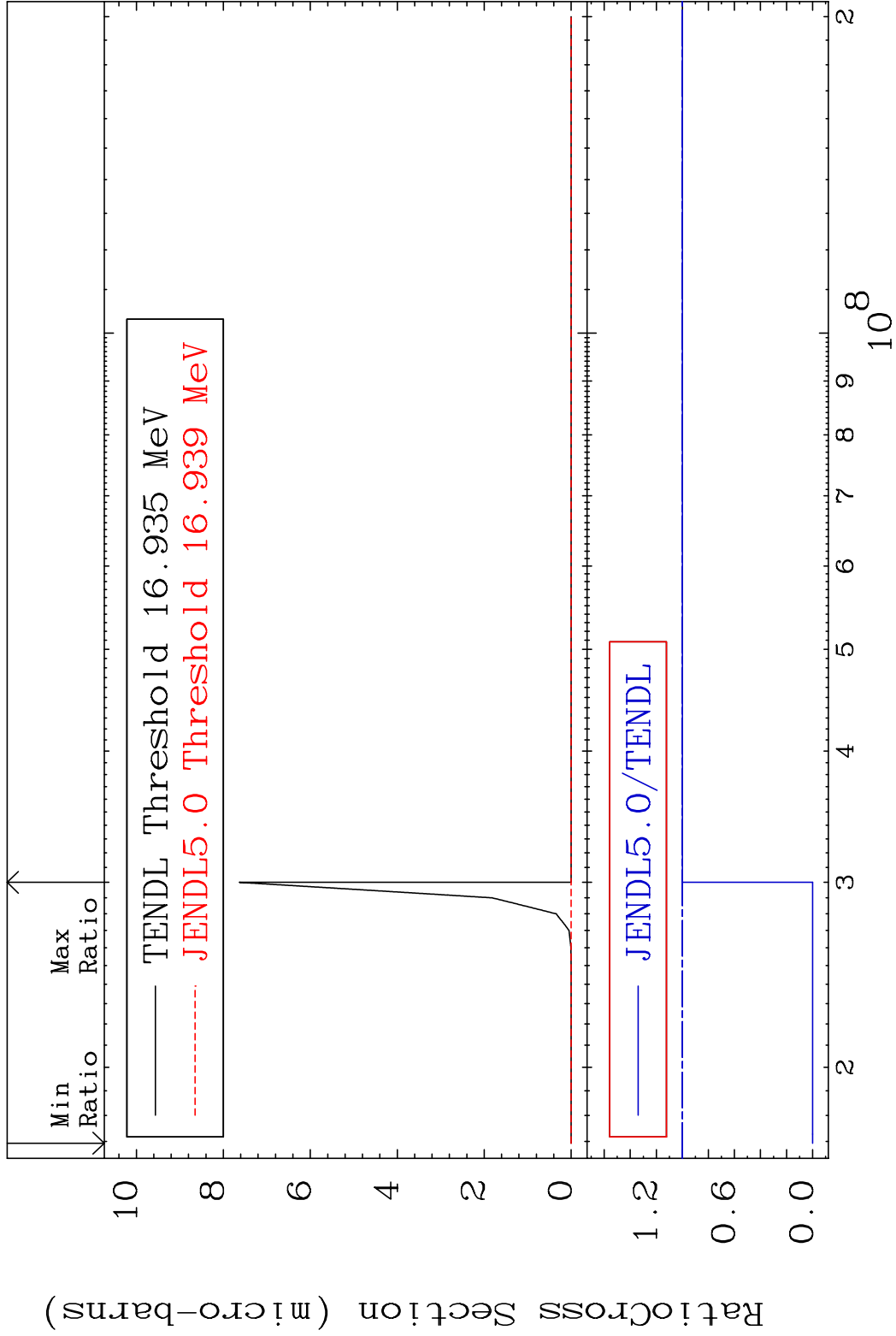


MAT 5531

(n,n') He-3

55-Cs-135

Cross Section -100.0 To 0.000 %

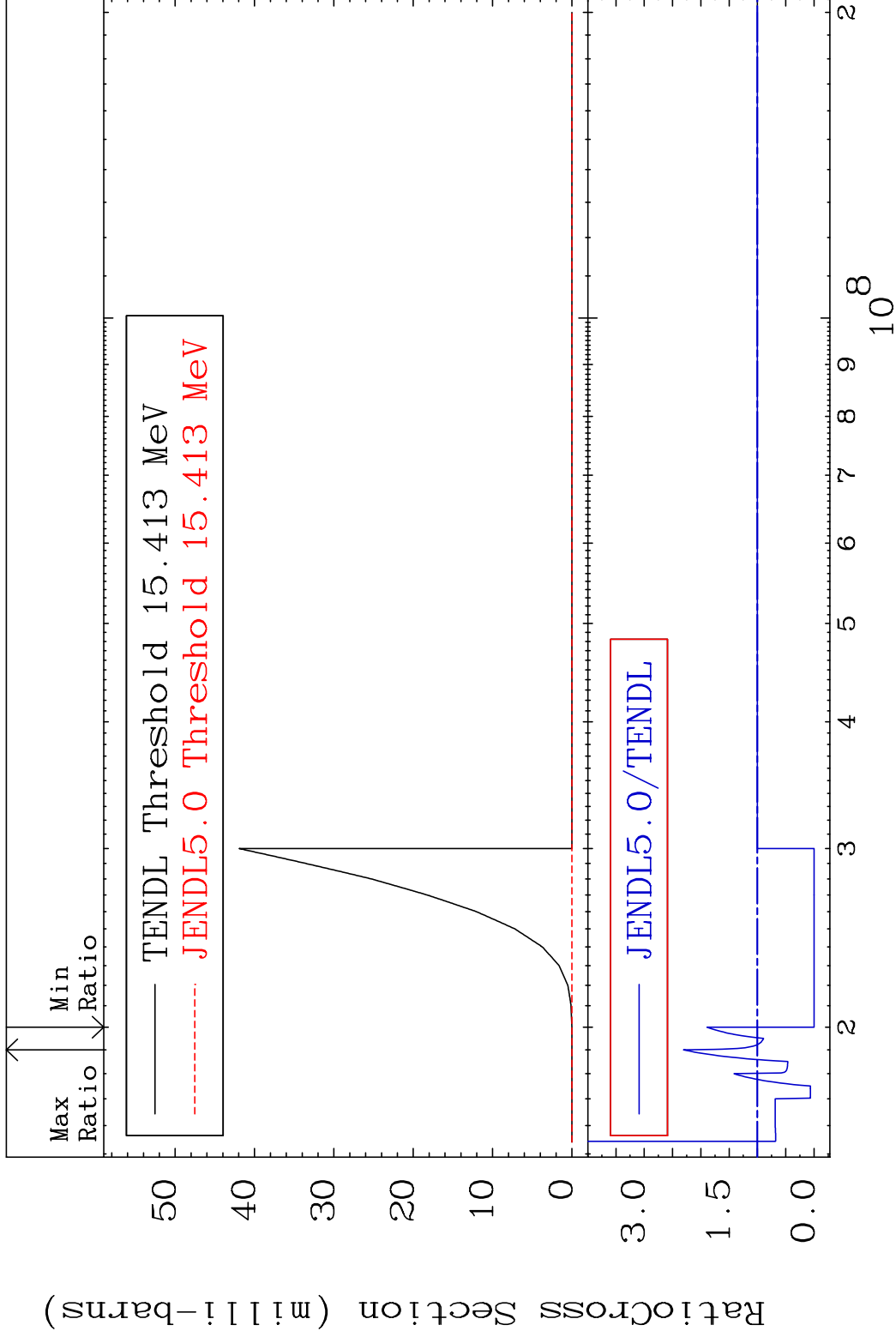


MAT 5531

(n,2n) p

55-Cs-135

Cross Section -100.0 To 130.7 %

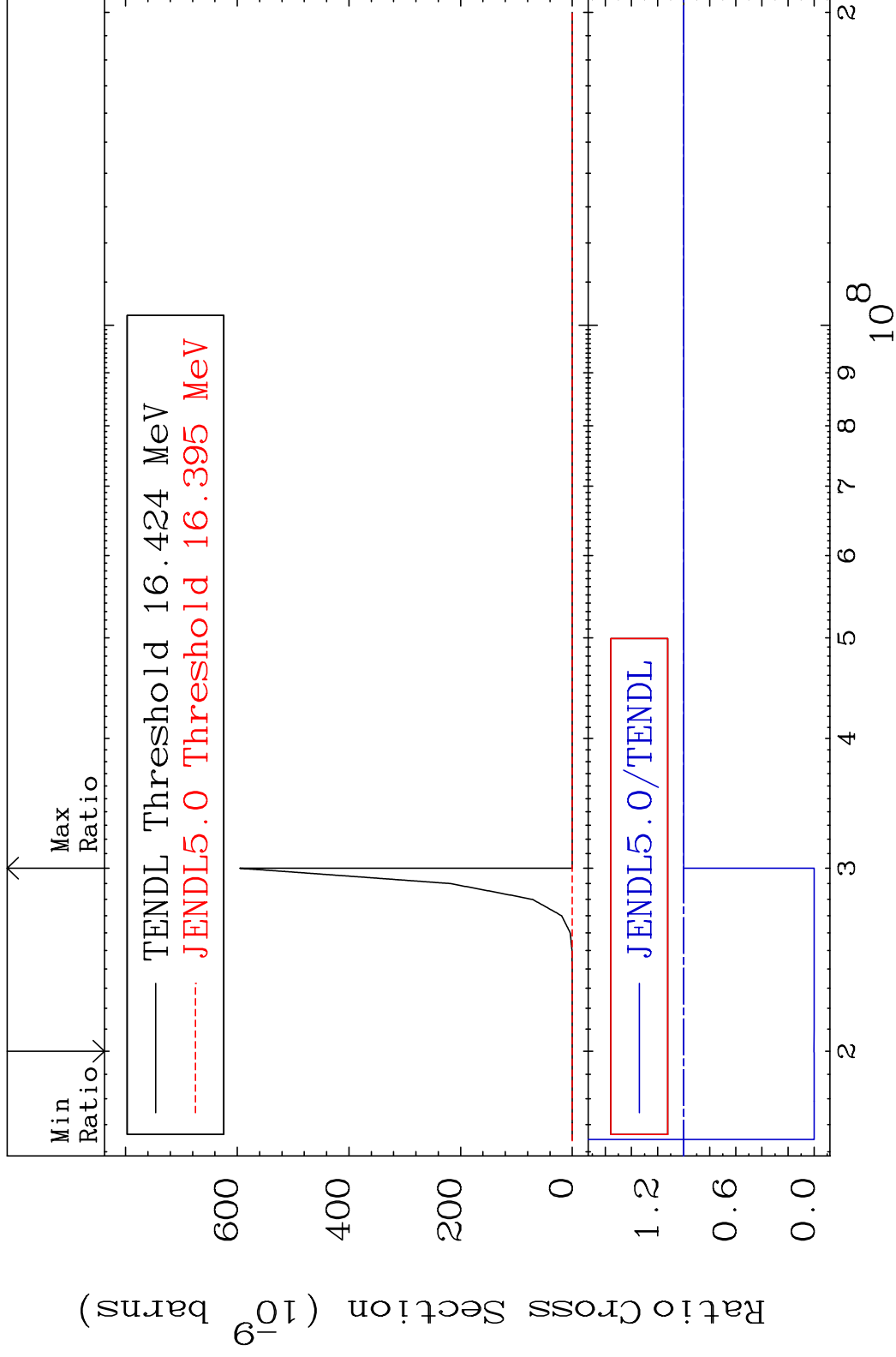


MAT 5531

(n,2n) p

55-Cs-135

Cross Section -100.0 To 0.000 %



14

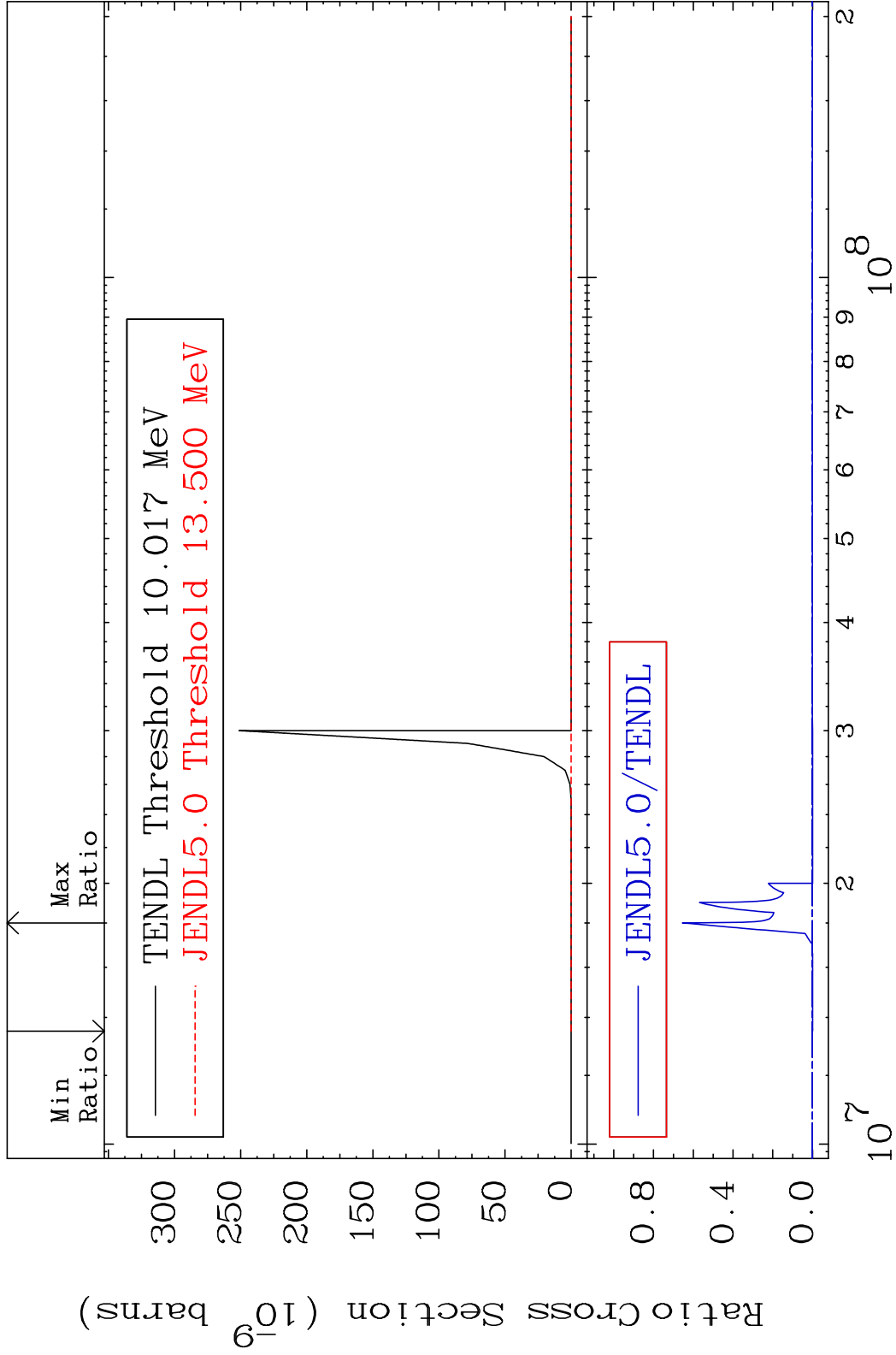
Incident Energy (eV)

55-Cs-135

MAT 5531

(n,n') p  $\alpha$  55-Cs-135

Cross Section -100.0 To 9999. %



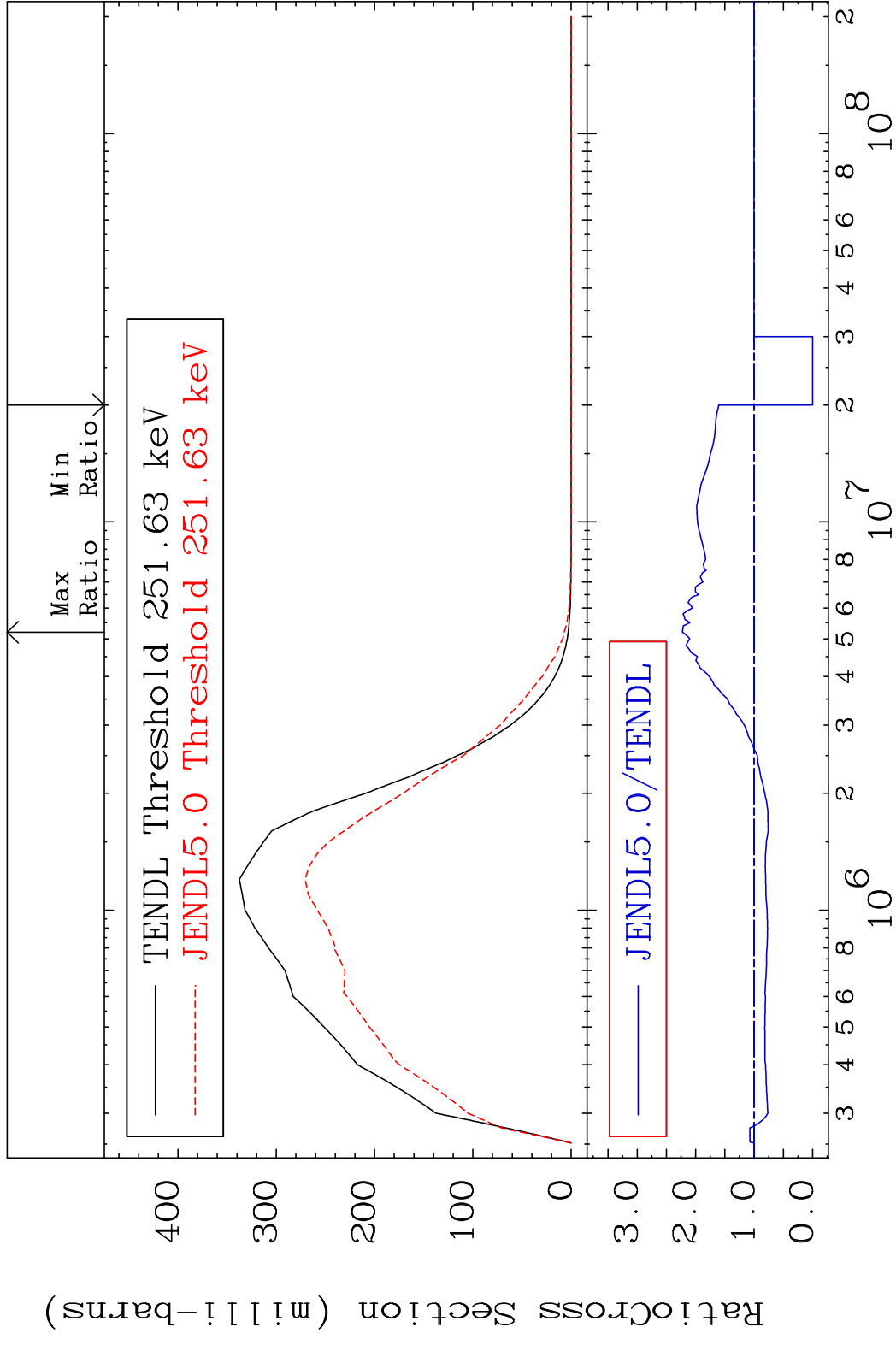
15

Incident Energy (eV)

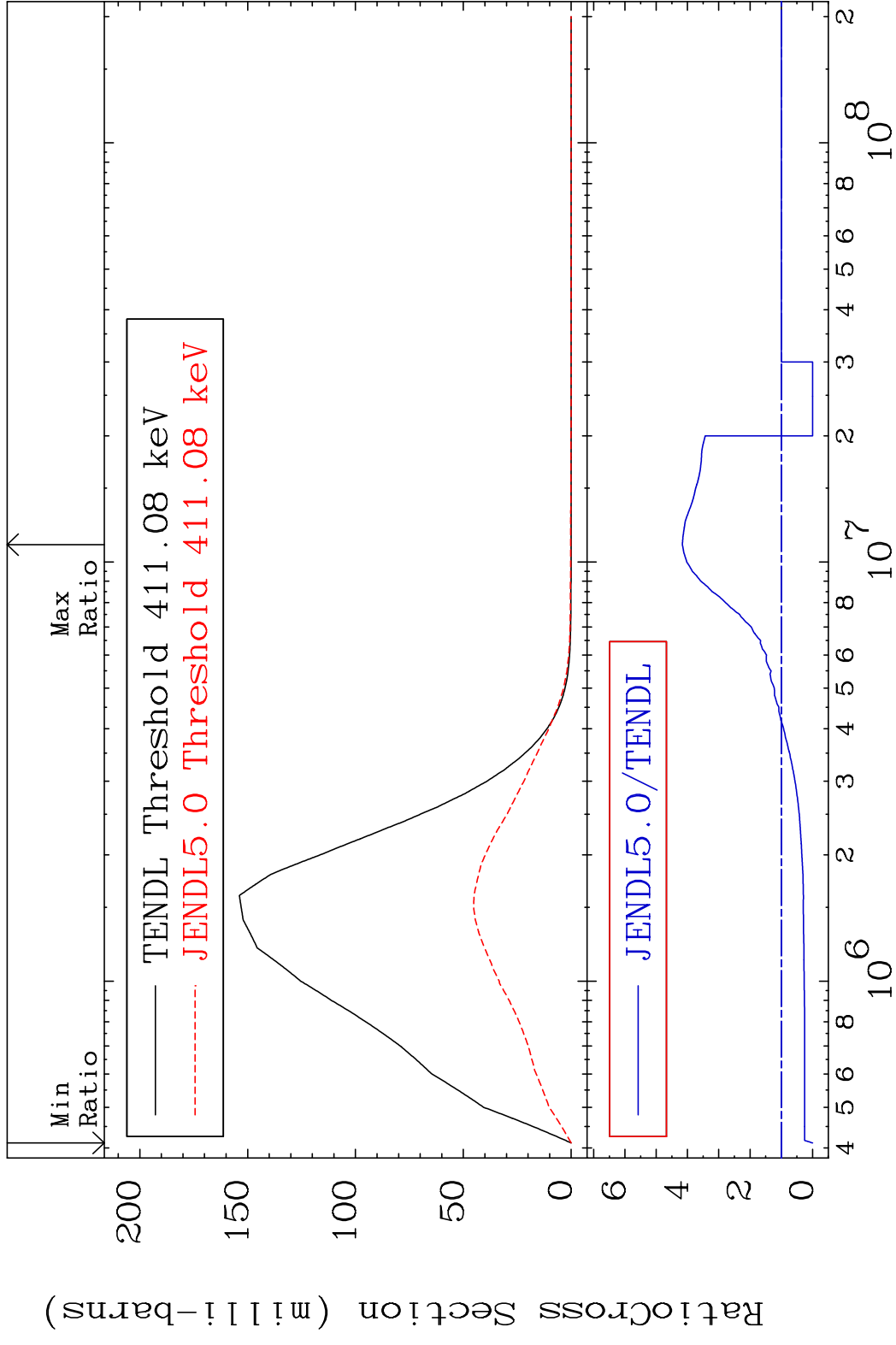
55-Cs-135



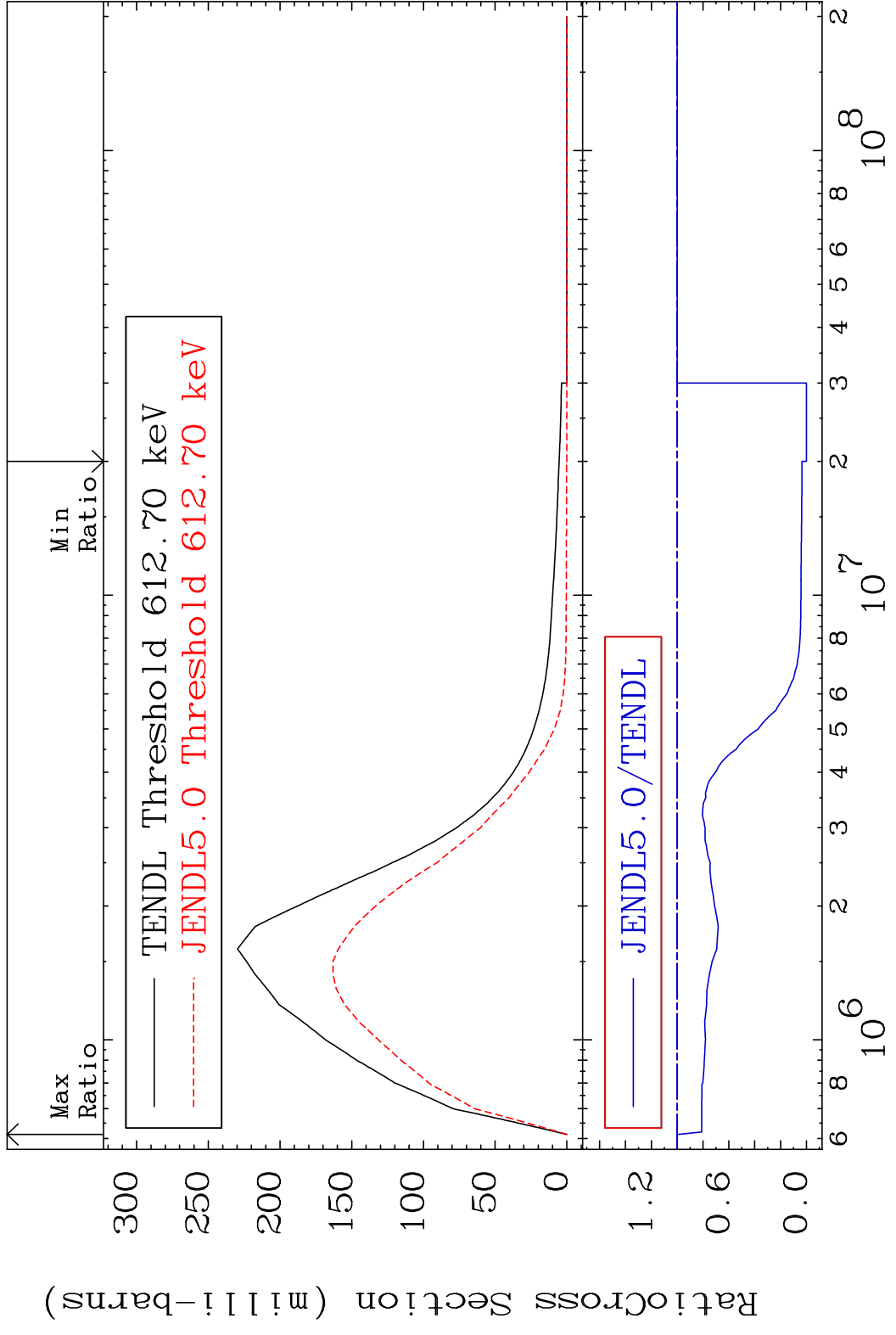
MAT 5531 MT= 51 (n, n') Level 55-Cs-135  
 Cross Section -100.0 To 122.7 %



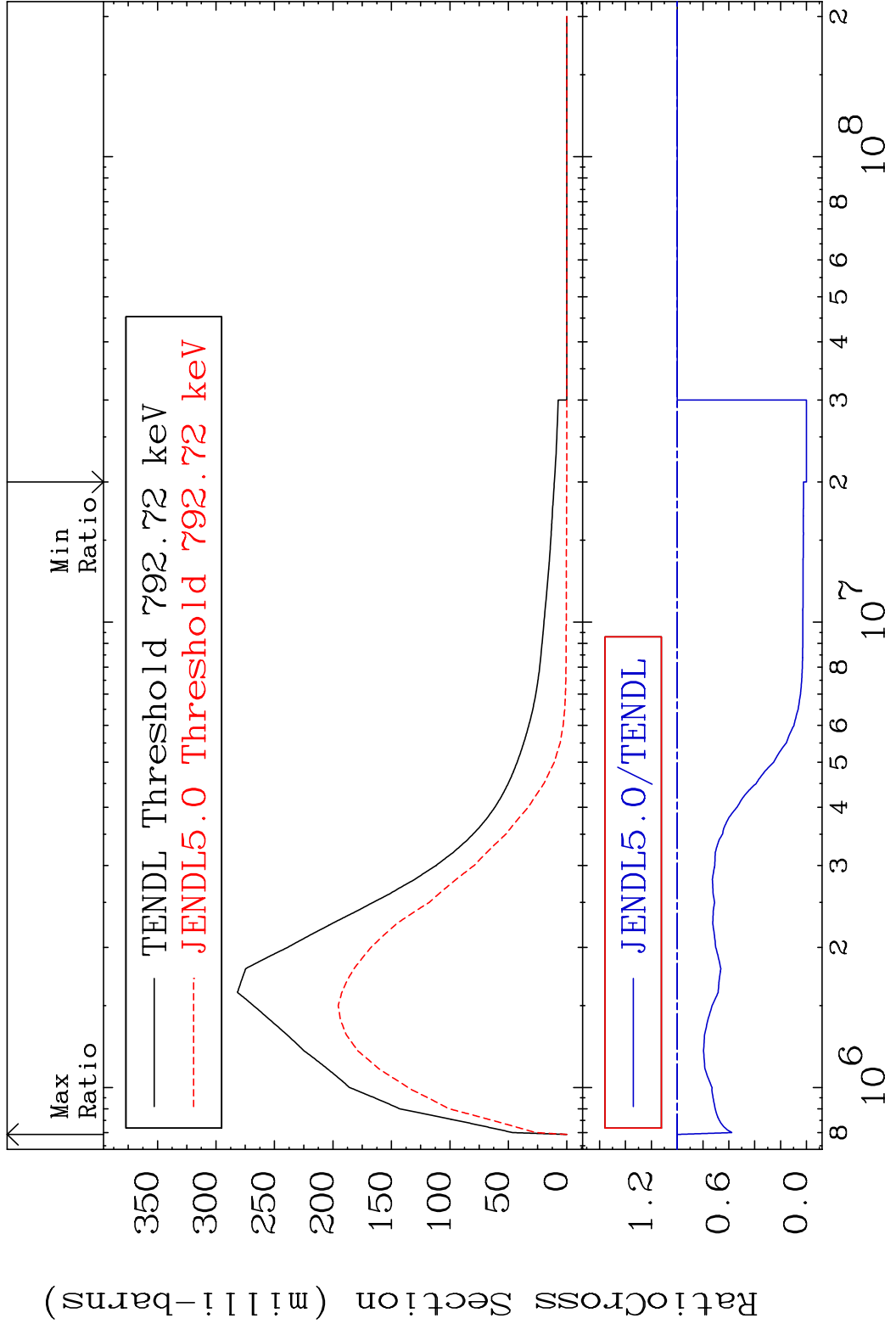
MAT 5531 MT= 52 (n, n') Level 55-Cs-135  
 Cross Section -100.0 To 316.4 %



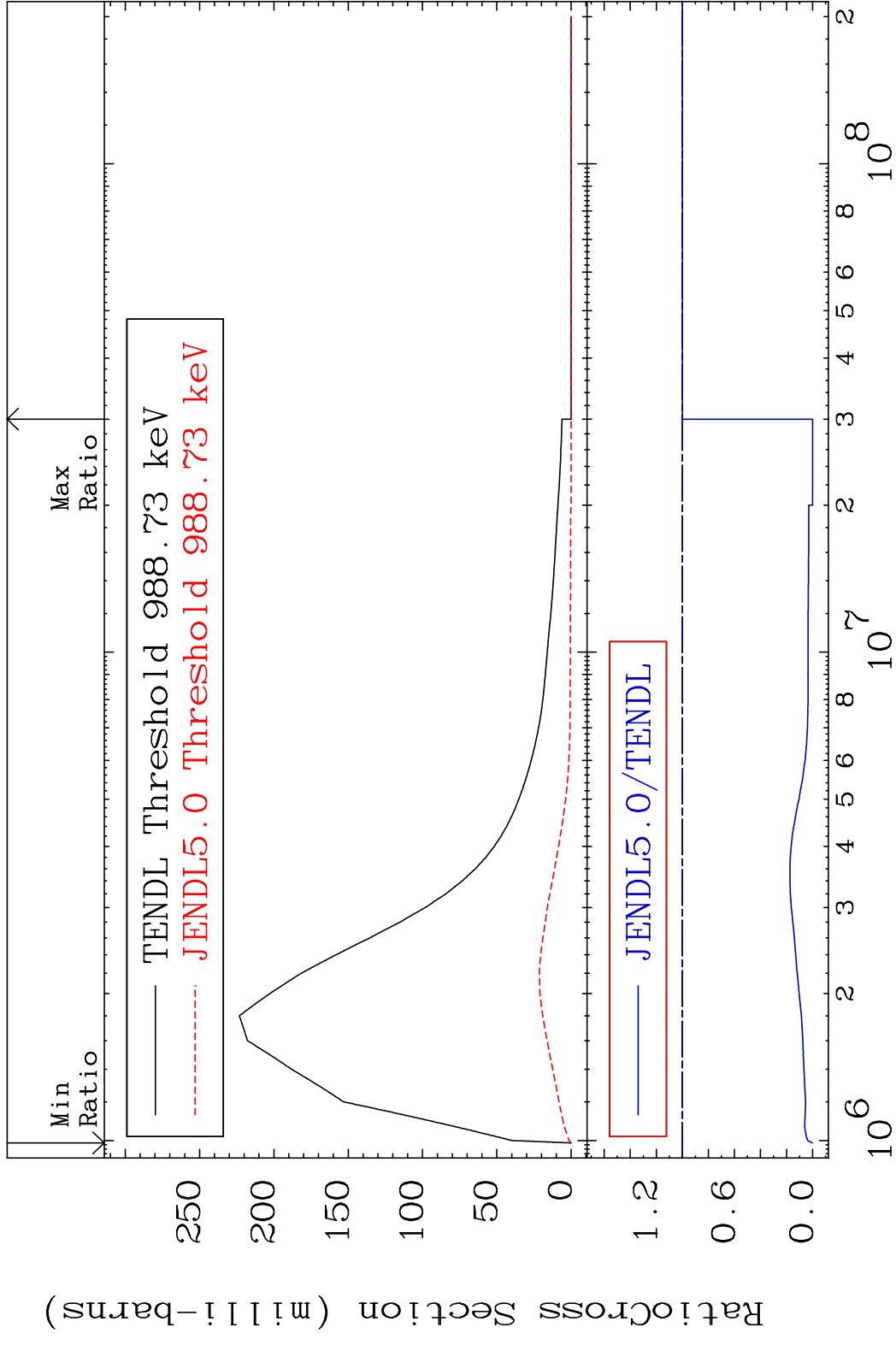
MAT 5531 MT= 53 (n, n') Level 55-Cs-135  
 Cross Section -100.0 To 0.000 %



MAT 5531 MT= 54 (n, n') Level 55-Cs-135  
 Cross Section -100.0 To 0.000 %

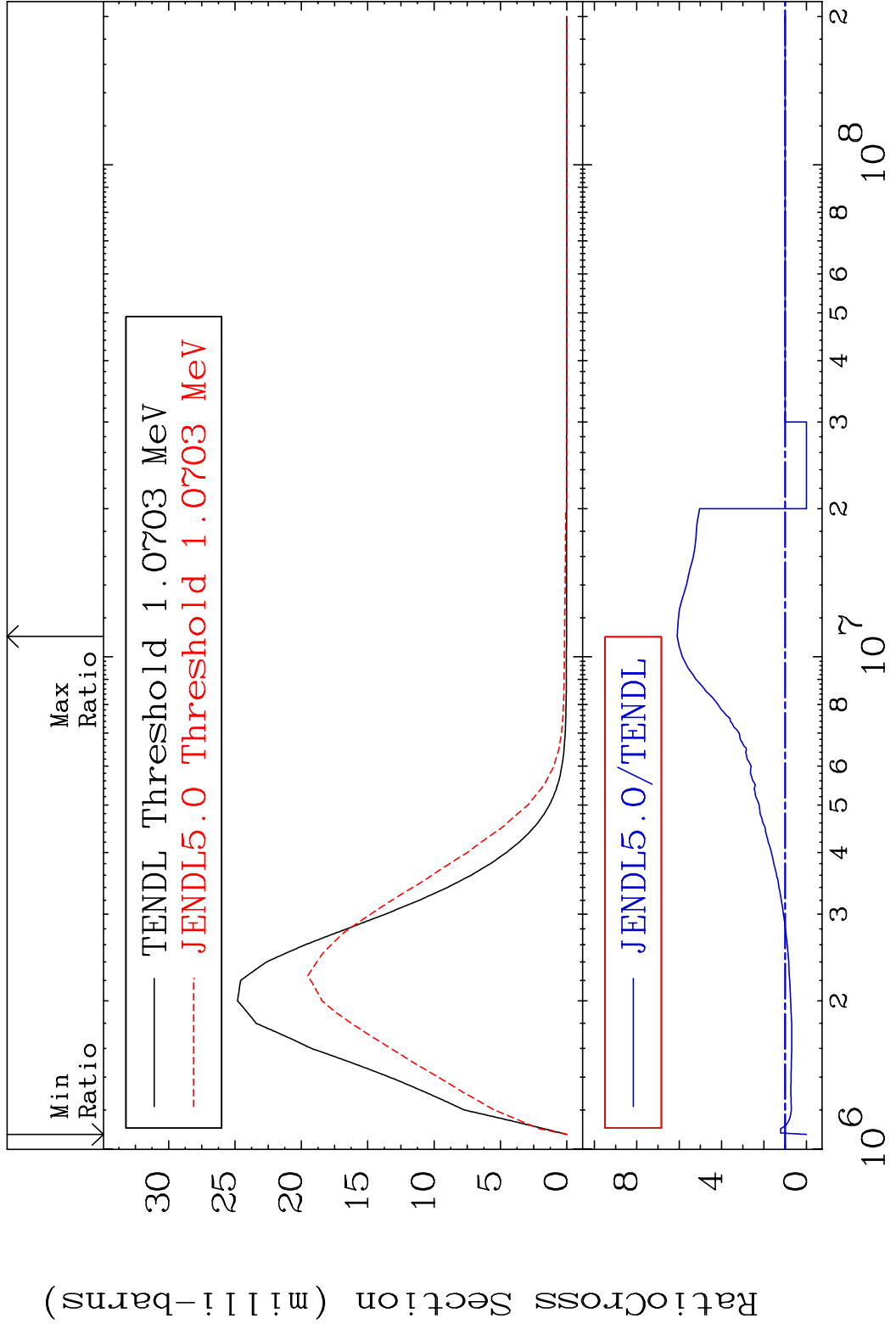


MAT 5531 MT= 55 (n, n') Level 55-Cs-135  
 Cross Section -100.0 To 0.000 %



20 10<sup>6</sup> 2 3 4 5 6 8 10<sup>7</sup> 2 3 4 5 6 8 10<sup>8</sup> 55-Cs-135

MAT 5531 MT= 56 (n, n') Level 55-Cs-135  
 Cross Section -100.0 To 509.3 %

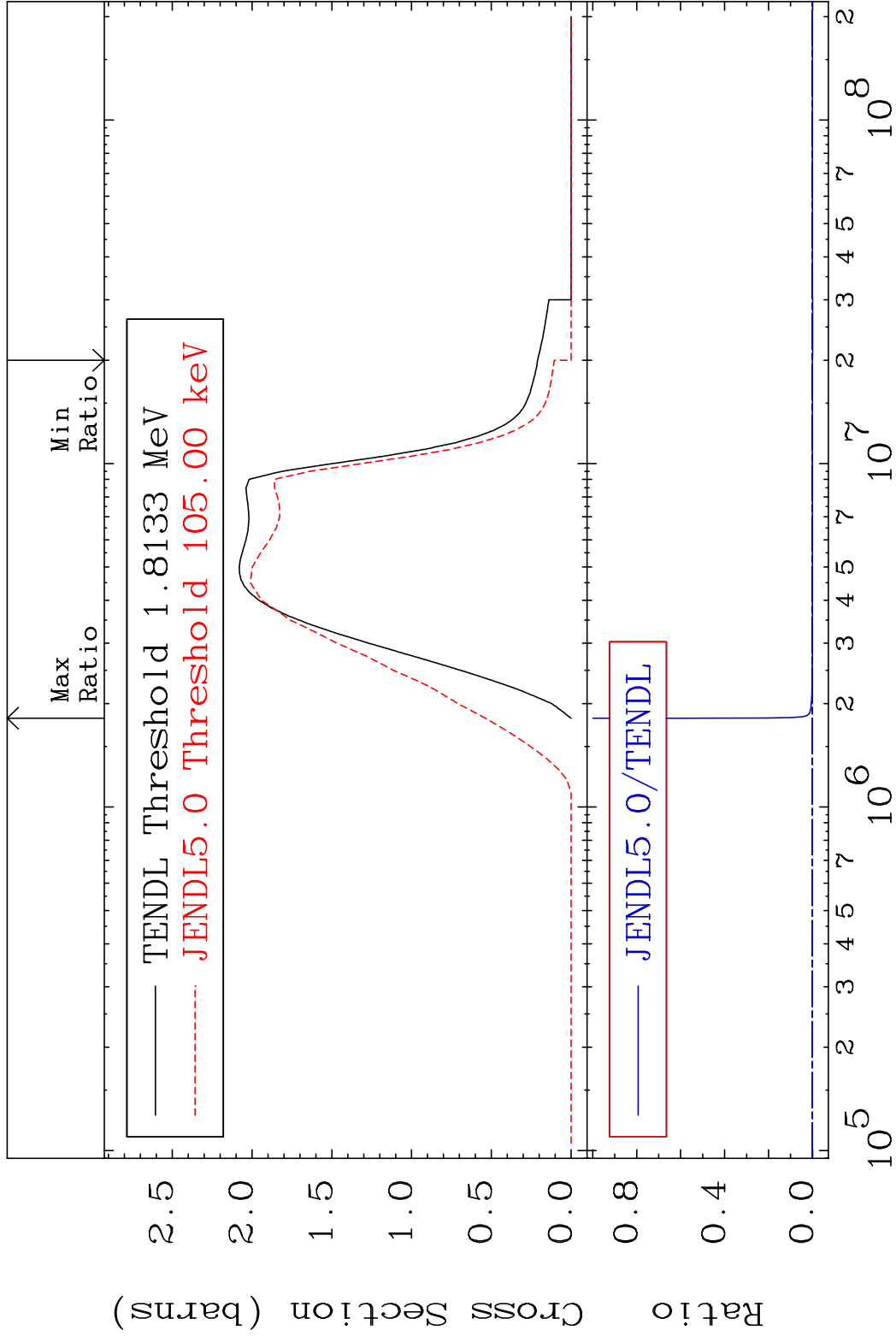


MAT 5531

(n, n') Continuum

55-Cs-135

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

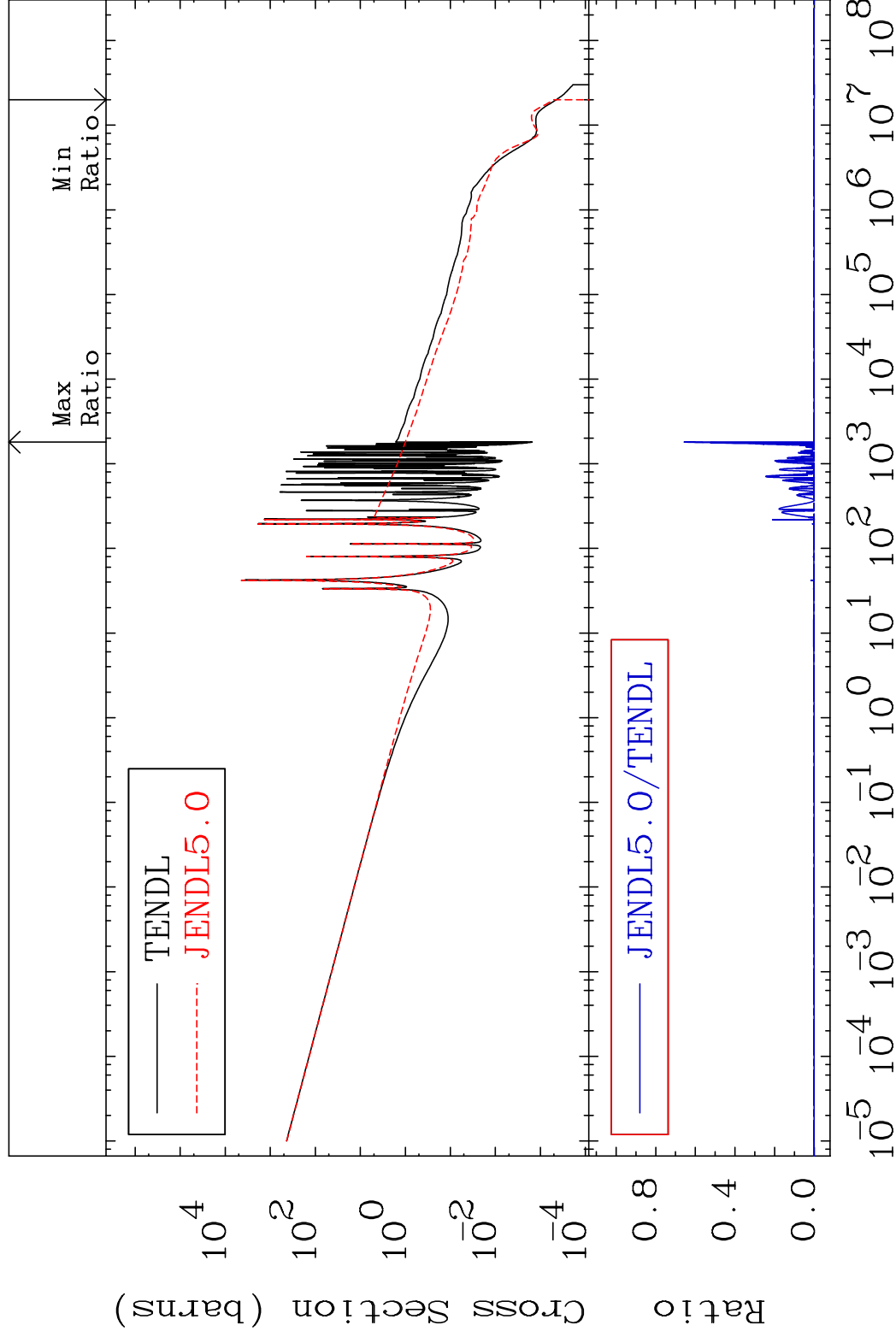
55-Cs-135

MAT 5531

(n,  $\gamma$ )

55-Cs-135

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

55-Cs-135



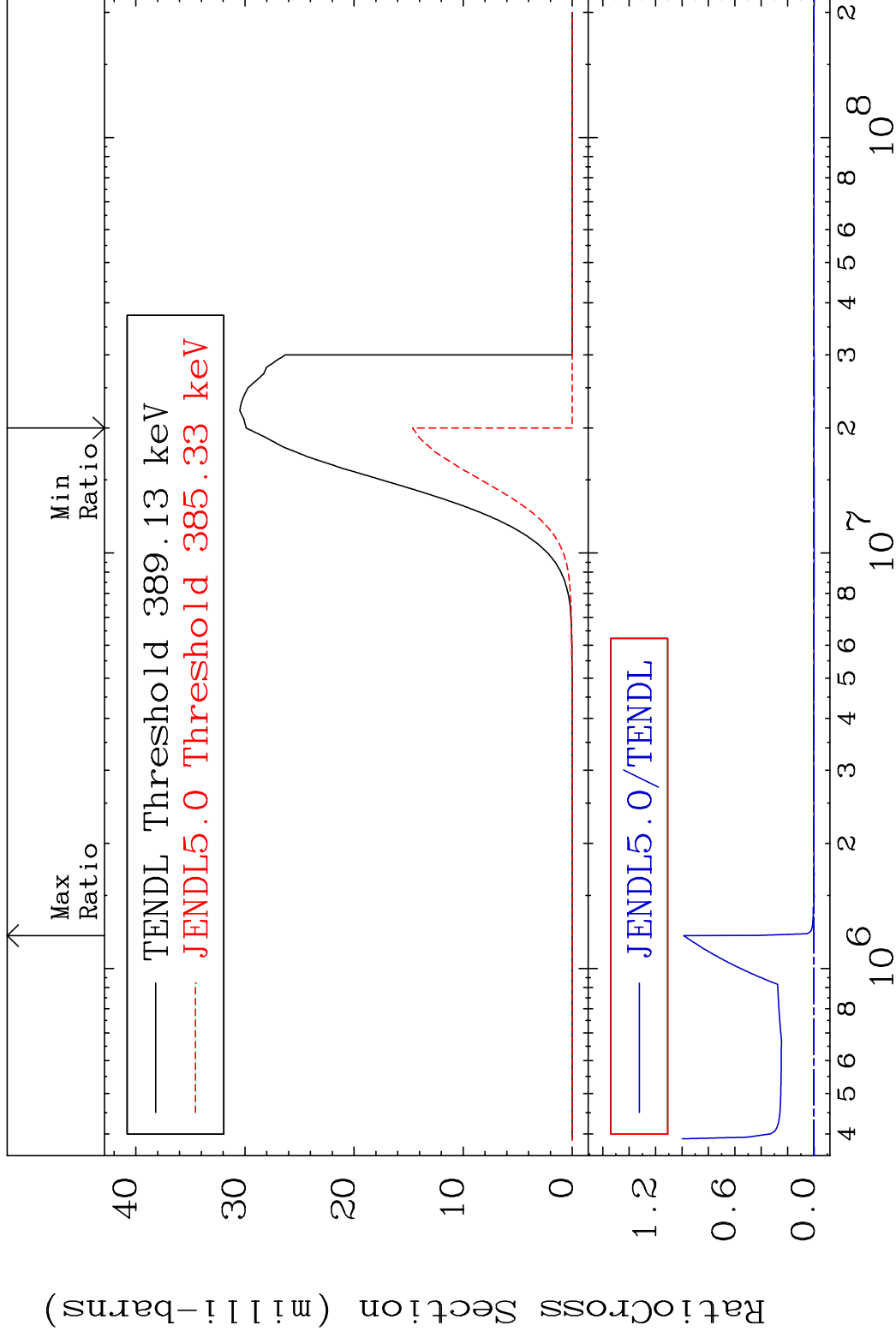
MAT 5531

(n, p)

55-Cs-135

Cross Section

-100.0 To 9999. %



24

Incident Energy (eV)

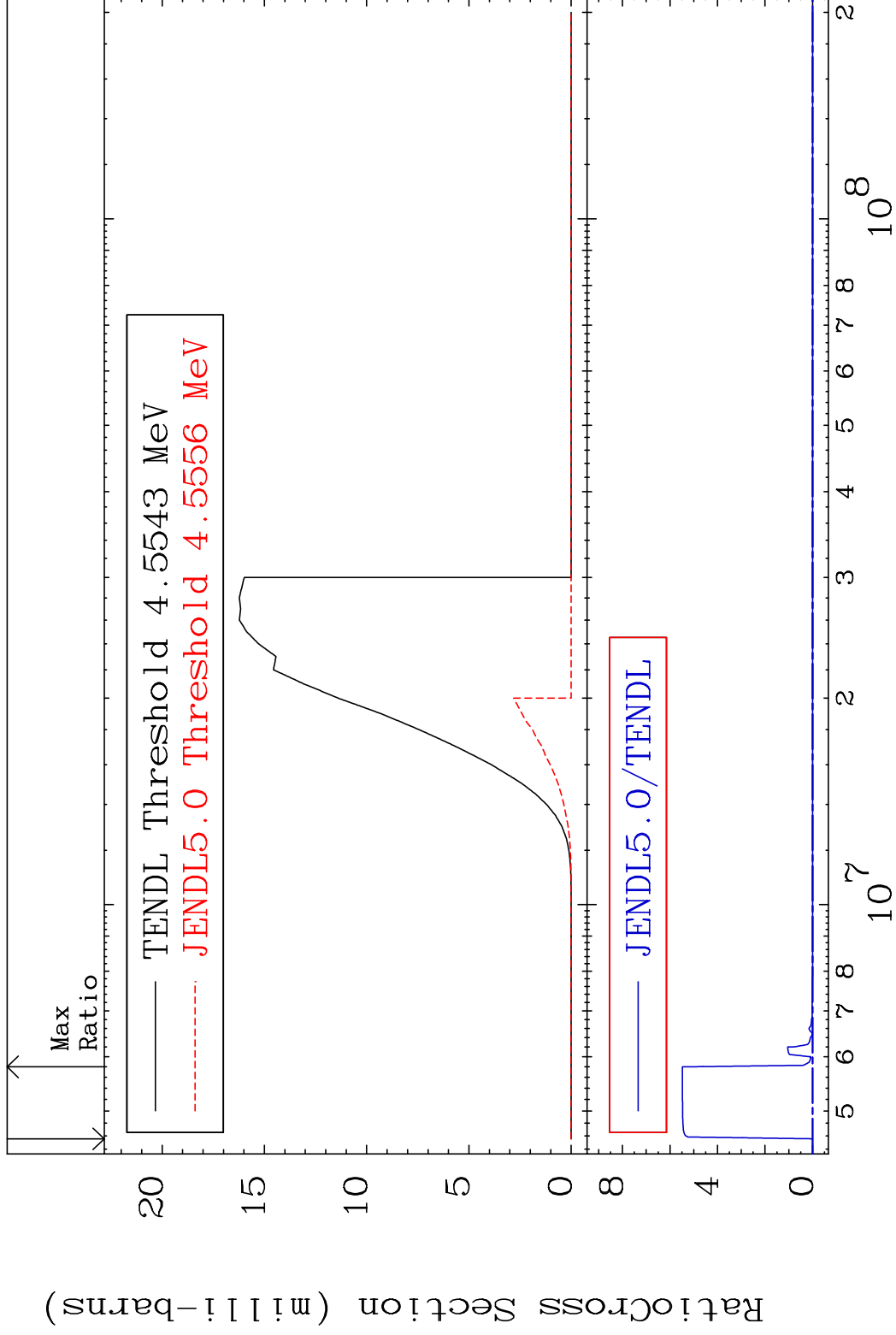
55-Cs-135

MAT 5531

(n,d)

55-Cs-135

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

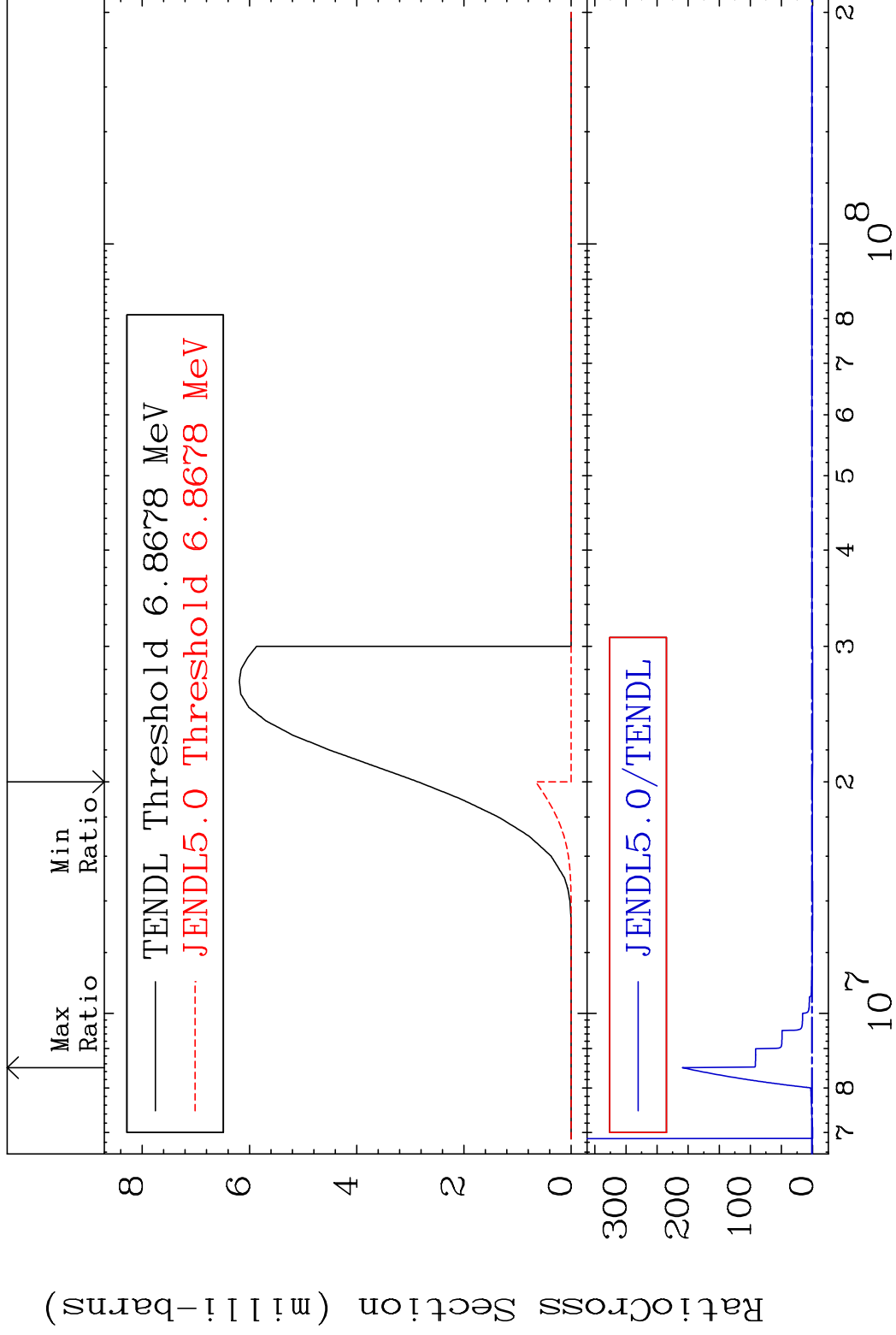
55-Cs-135

MAT 5531

(n, t)

55-Cs-135

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

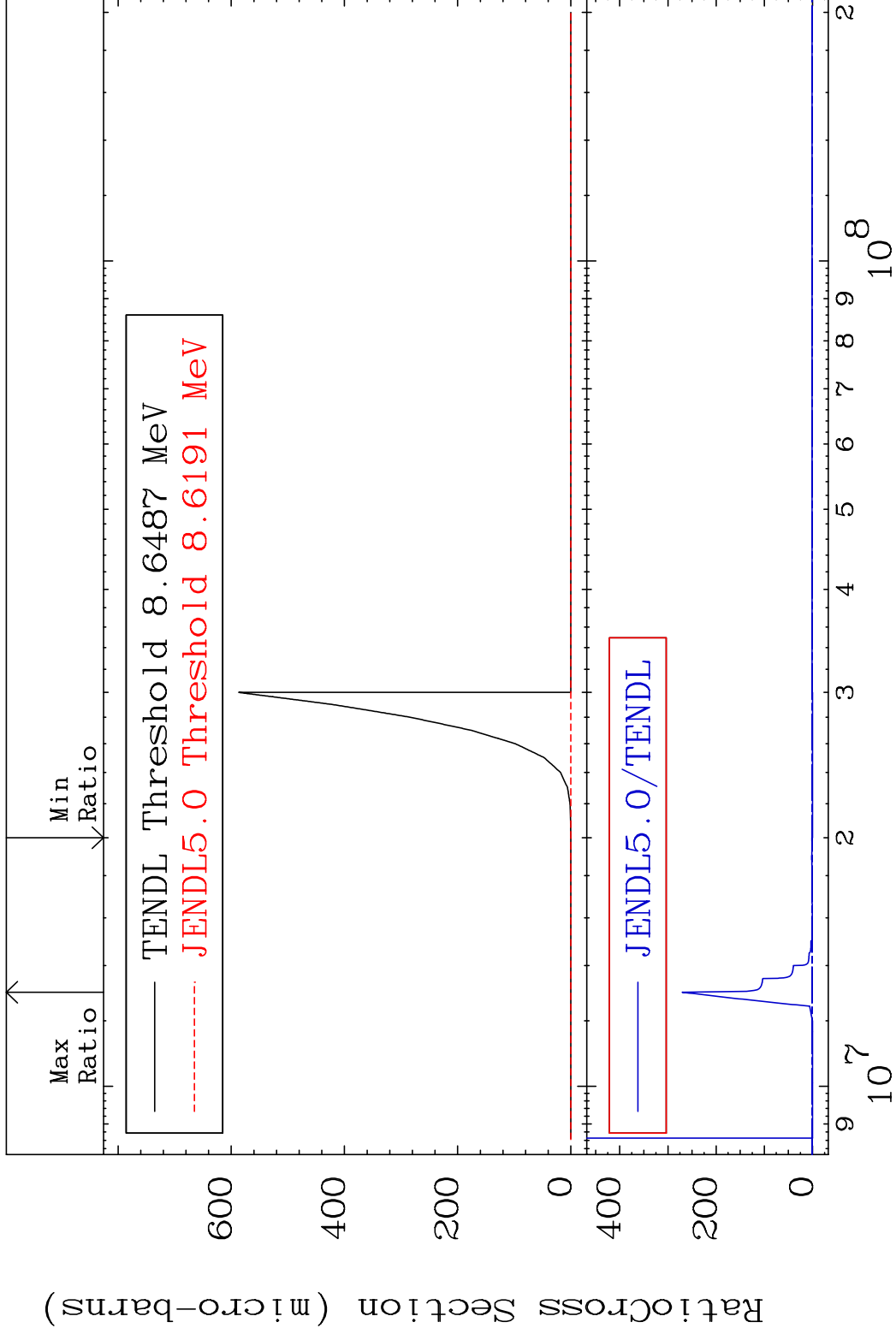
55-Cs-135

MAT 5531

(n, He-3)

55-Cs-135

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

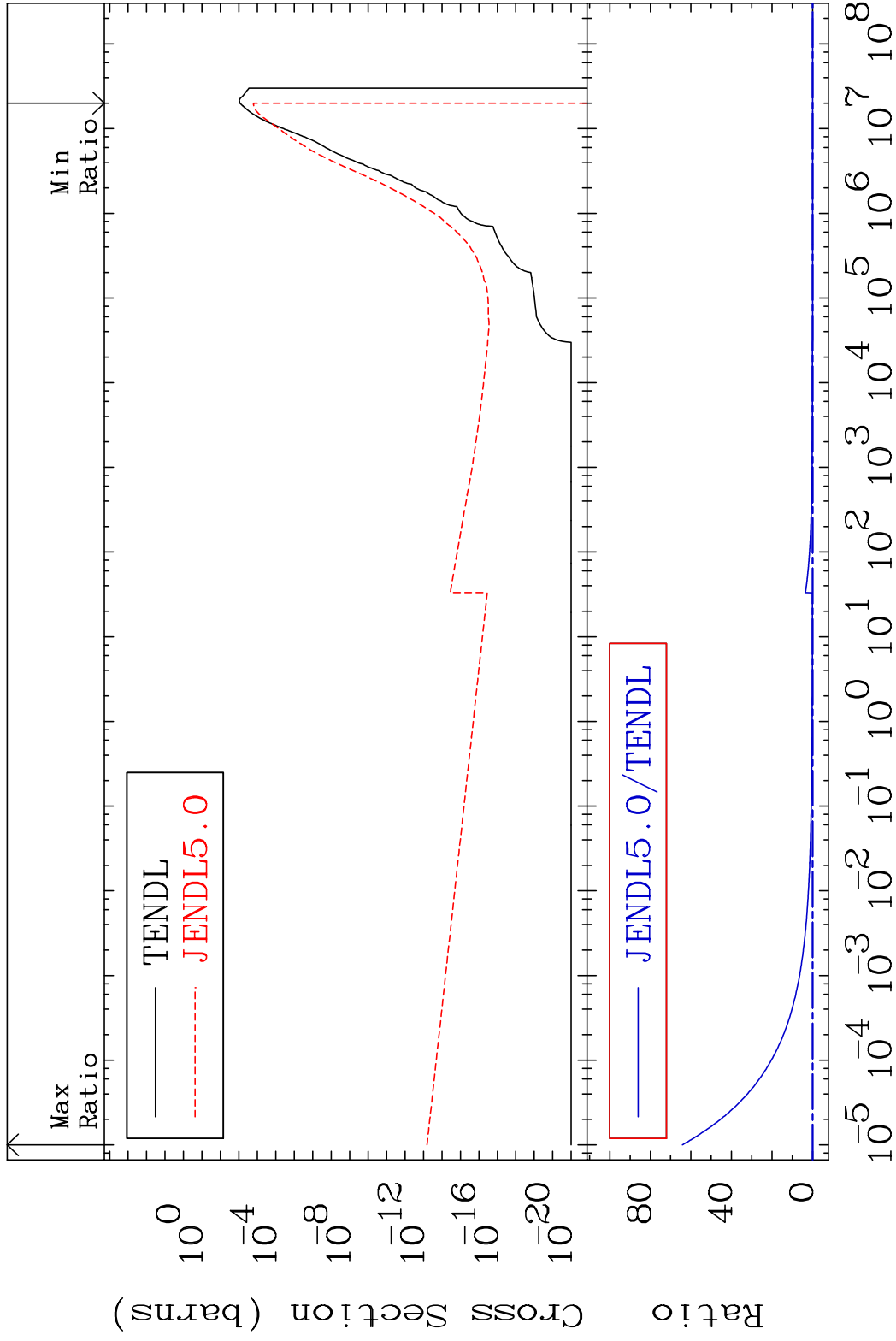
55-Cs-135

MAT 5531

(n,  $\alpha$ )

55-Cs-135

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

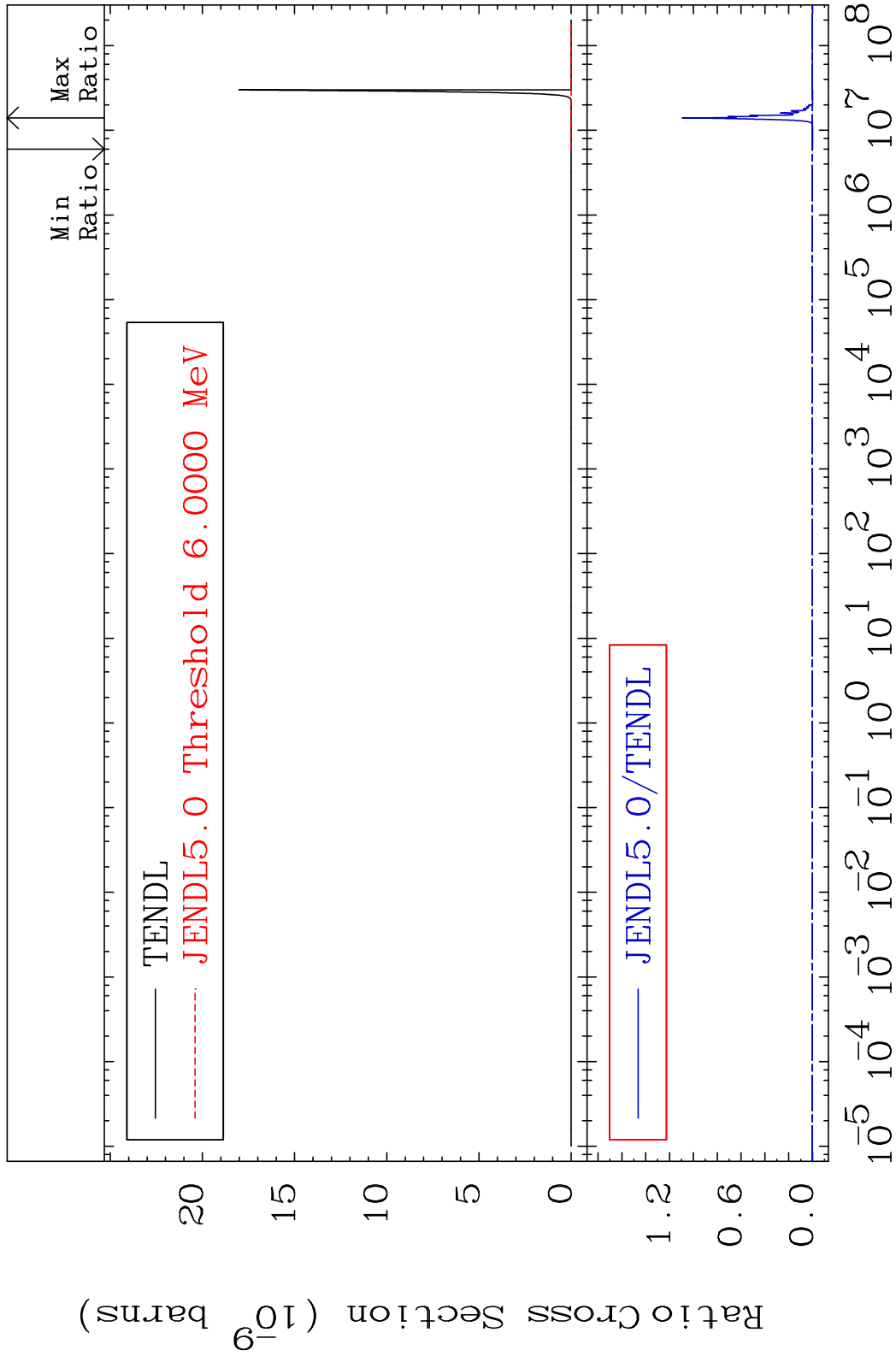
55-Cs-135

MAT 5531

(n,2α)

55-Cs-135

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

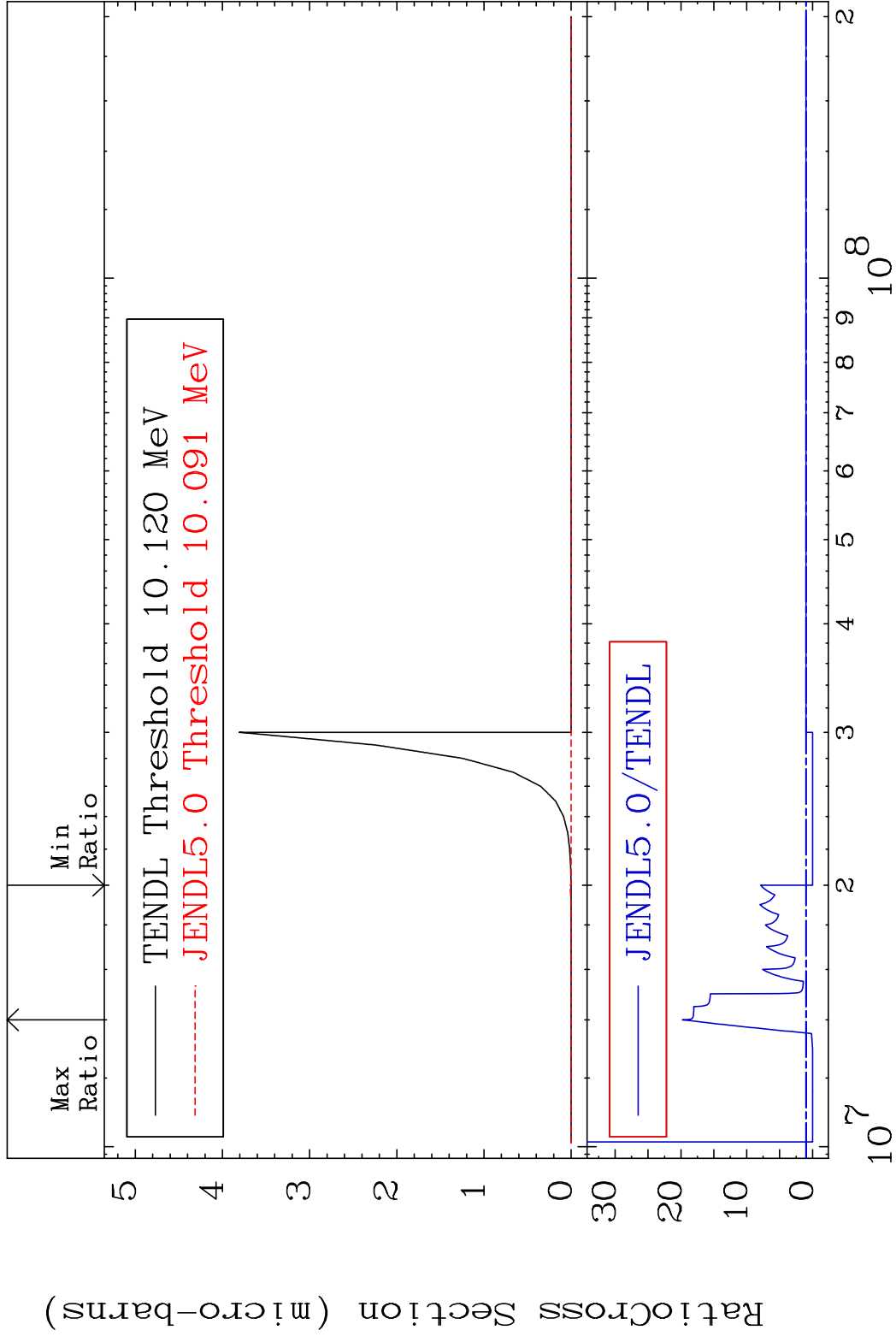
55-Cs-135

MAT 5531

(n,2p)

55-Cs-135

Cross Section -100.0 To 1879. %

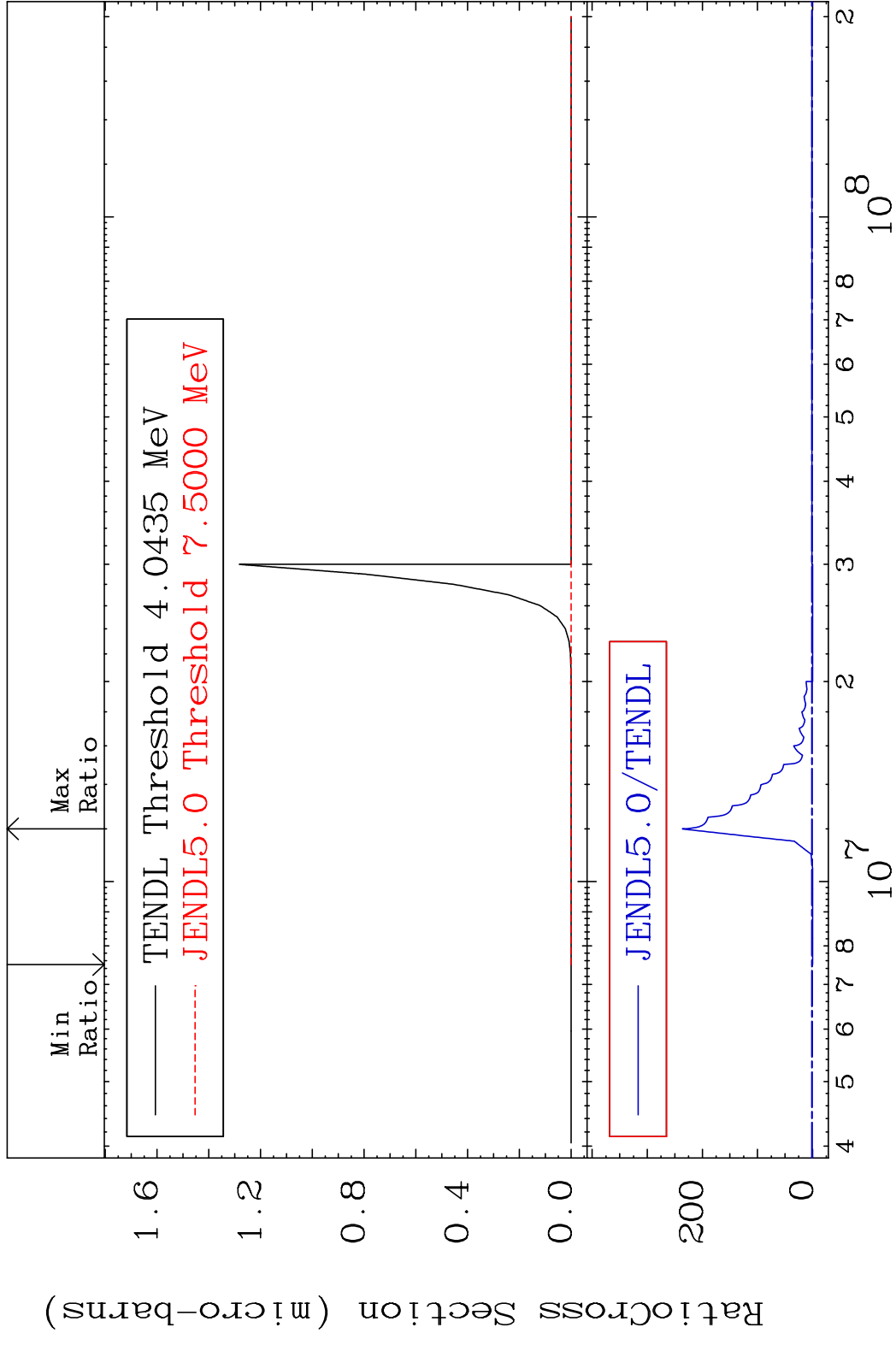


30

Incident Energy (eV)

55-Cs-135

MAT 5531 (n,p)  $\alpha$  55-Cs-135  
 Cross Section -100.0 To 9999. %



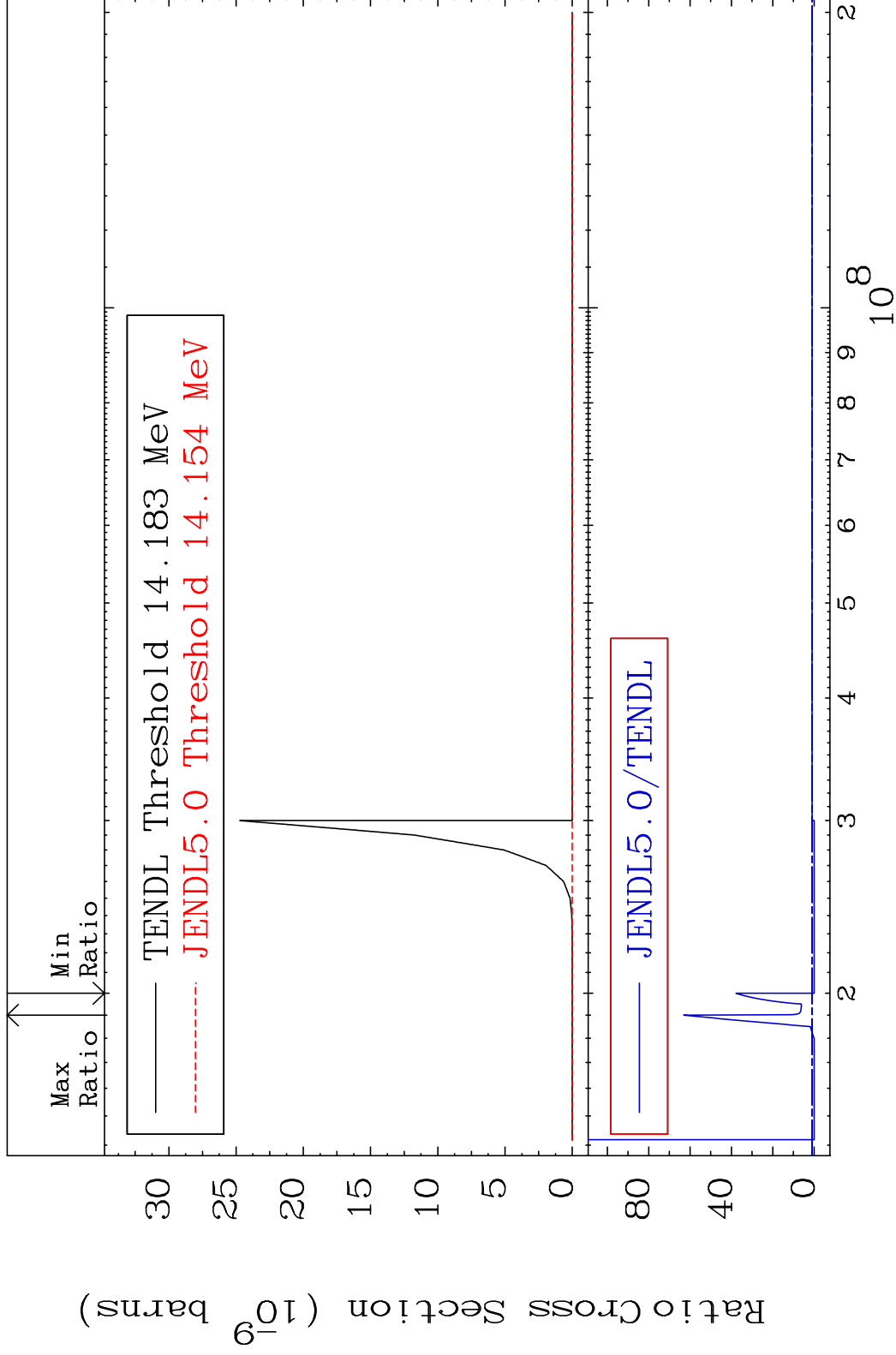


MAT 5531

(n,p) d

55-Cs-135

Cross Section -100.0 To 6208. %



32

Incident Energy (eV)

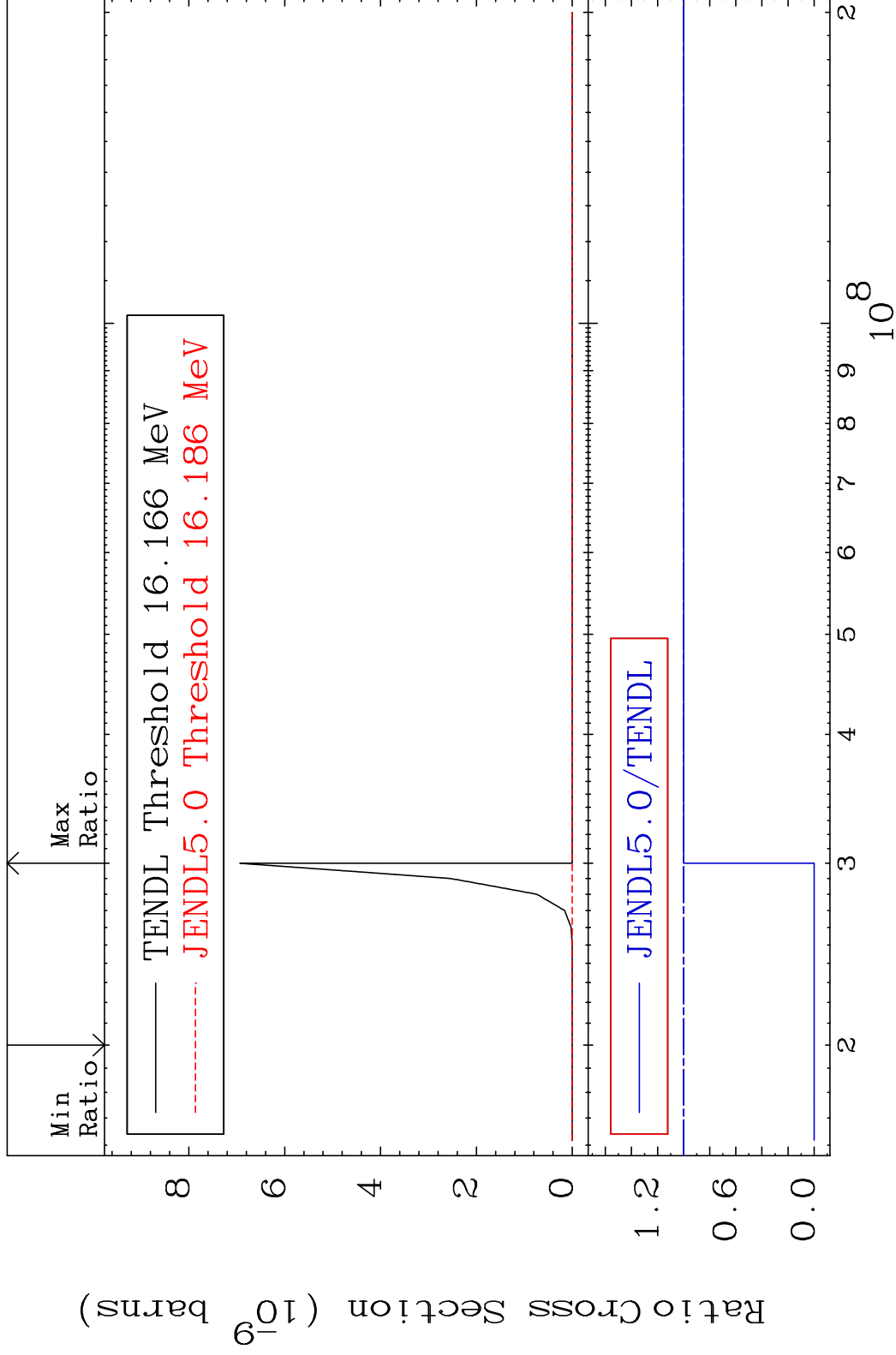
55-Cs-135

MAT 5531

(n,p) t

55-Cs-135

Cross Section -100.0 To 0.000 %



33

Incident Energy (eV)

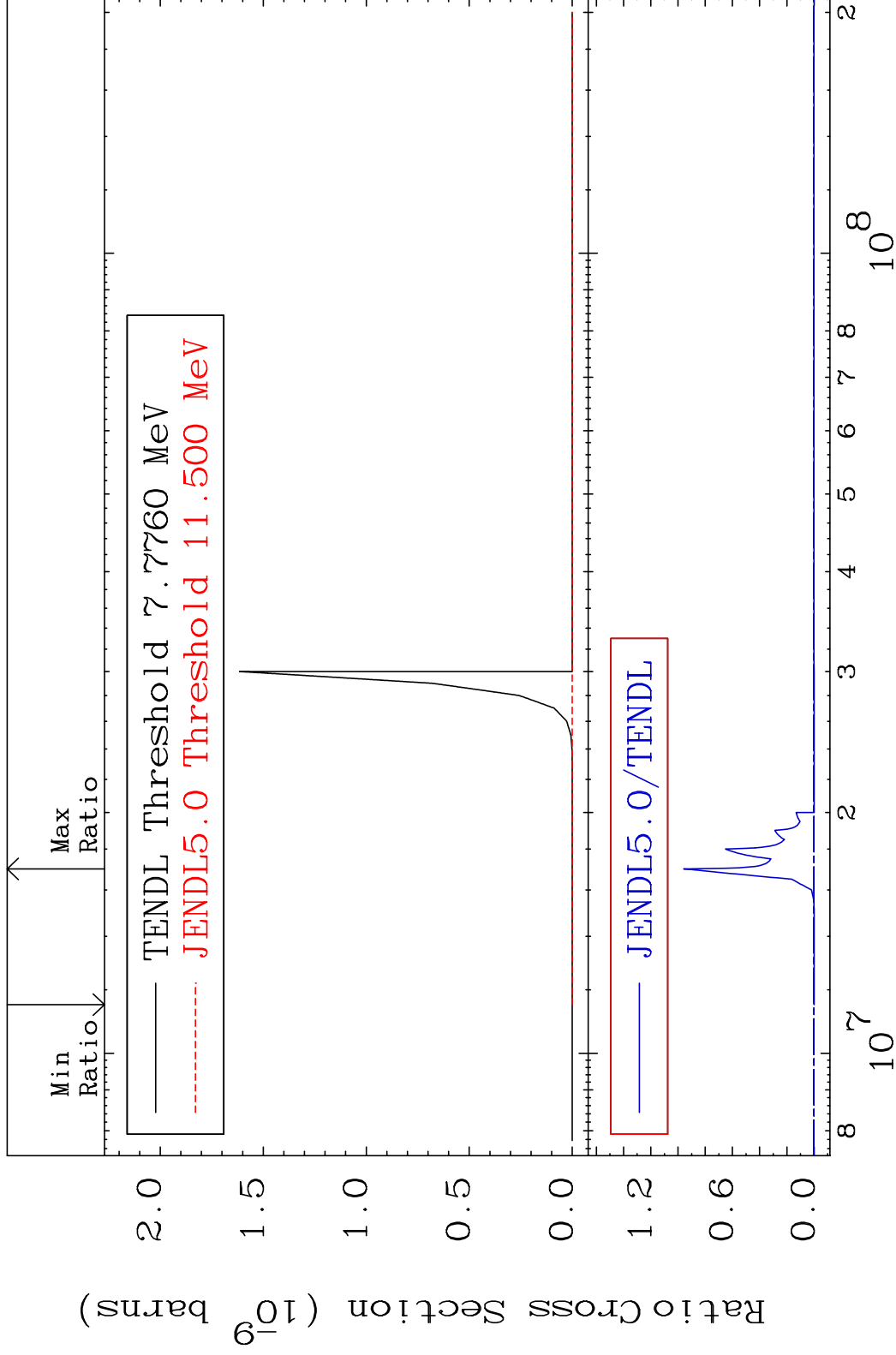
55-Cs-135

MAT 5531

(n,d)  $\alpha$

55-Cs-135

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

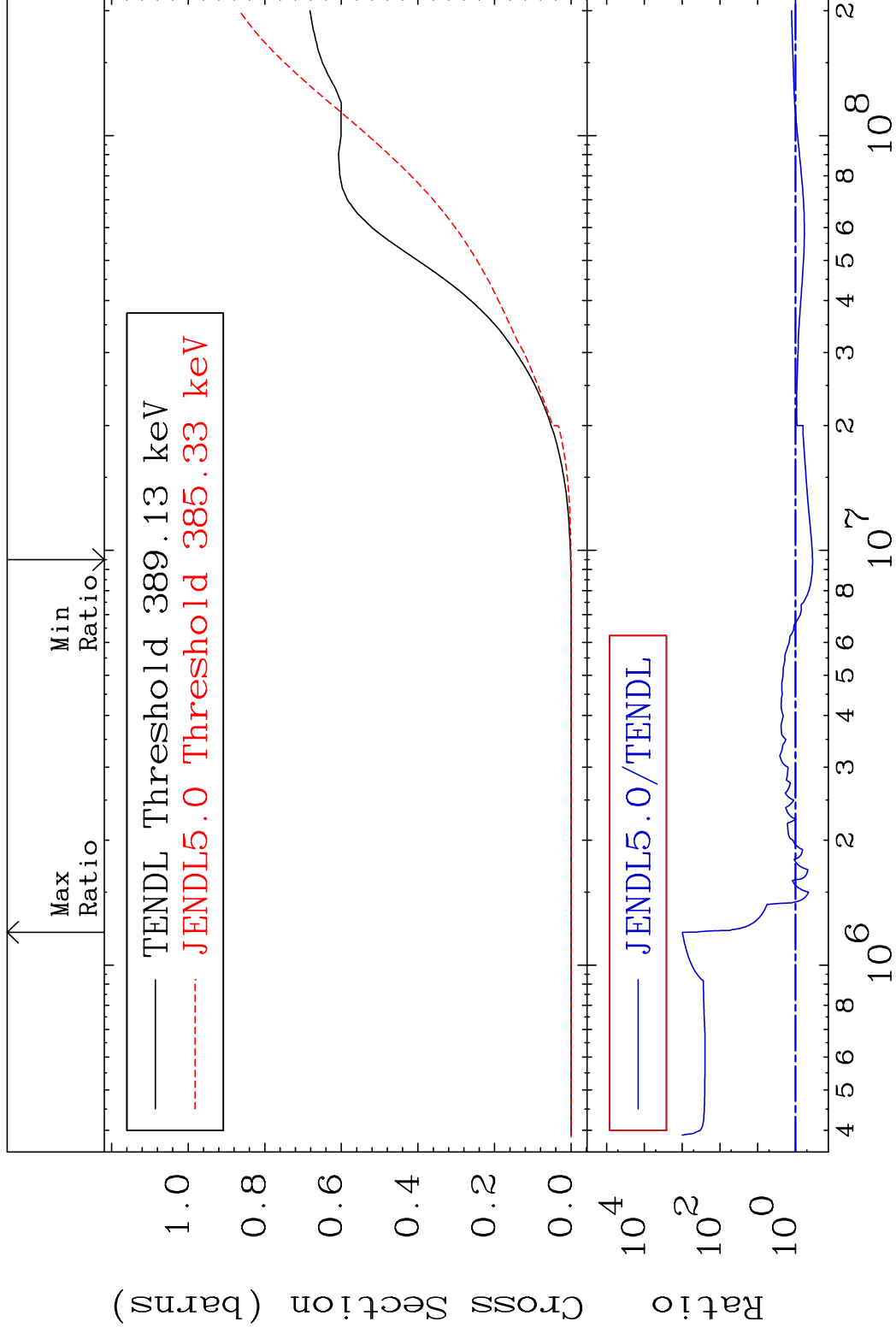
55-Cs-135

MAT 5531

Hydrogen Production

55-Cs-135

Cross Section -64.68 To 9999. %

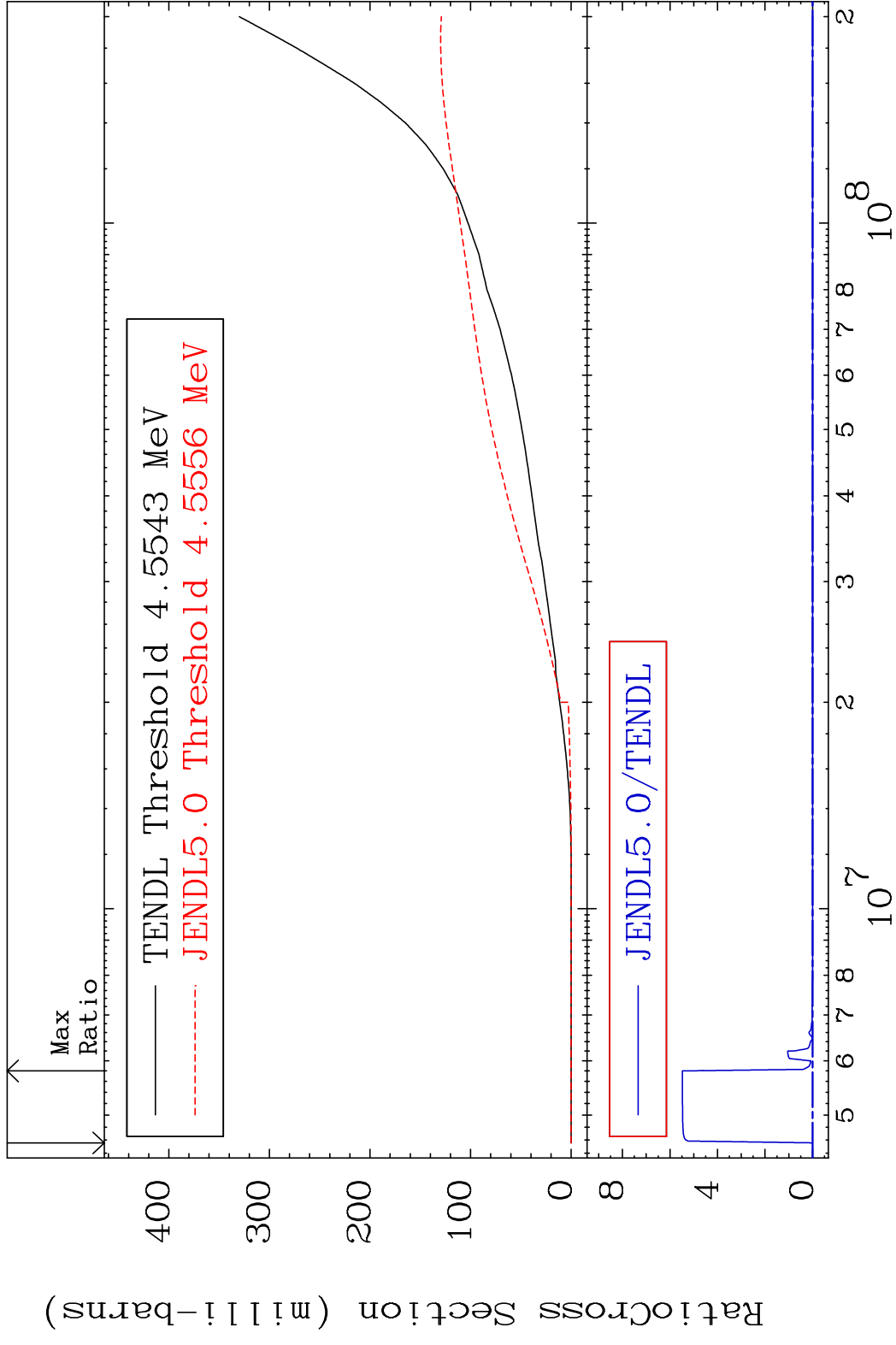


35

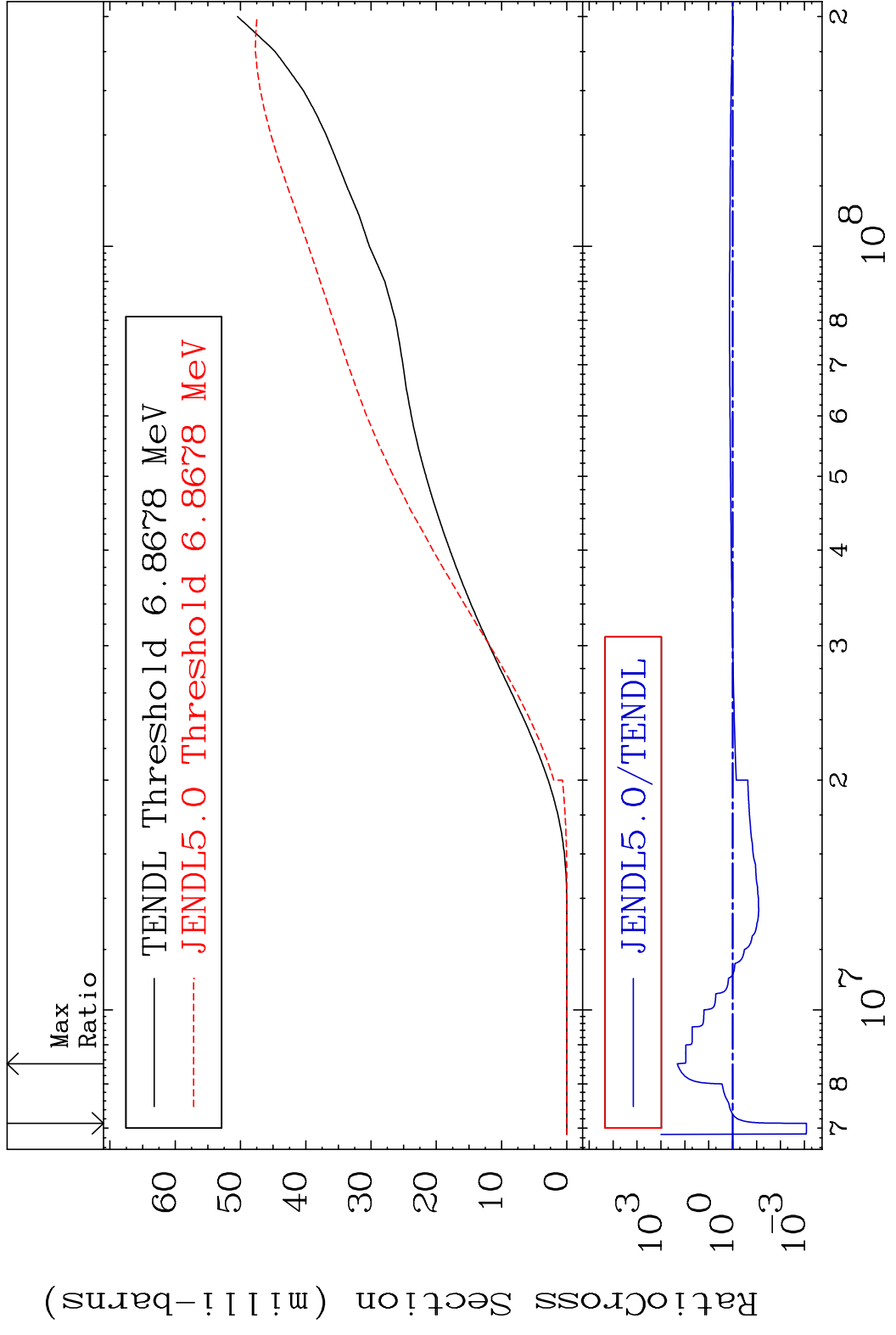
Incident Energy (eV)

55-Cs-135

MAT 5531 Deuterium Production 55-Cs-135  
 Cross Section -100.0 To 9999. %



MAT 5531 Tritium Production 55-Cs-135  
 Cross Section -99.92 To 9999. %

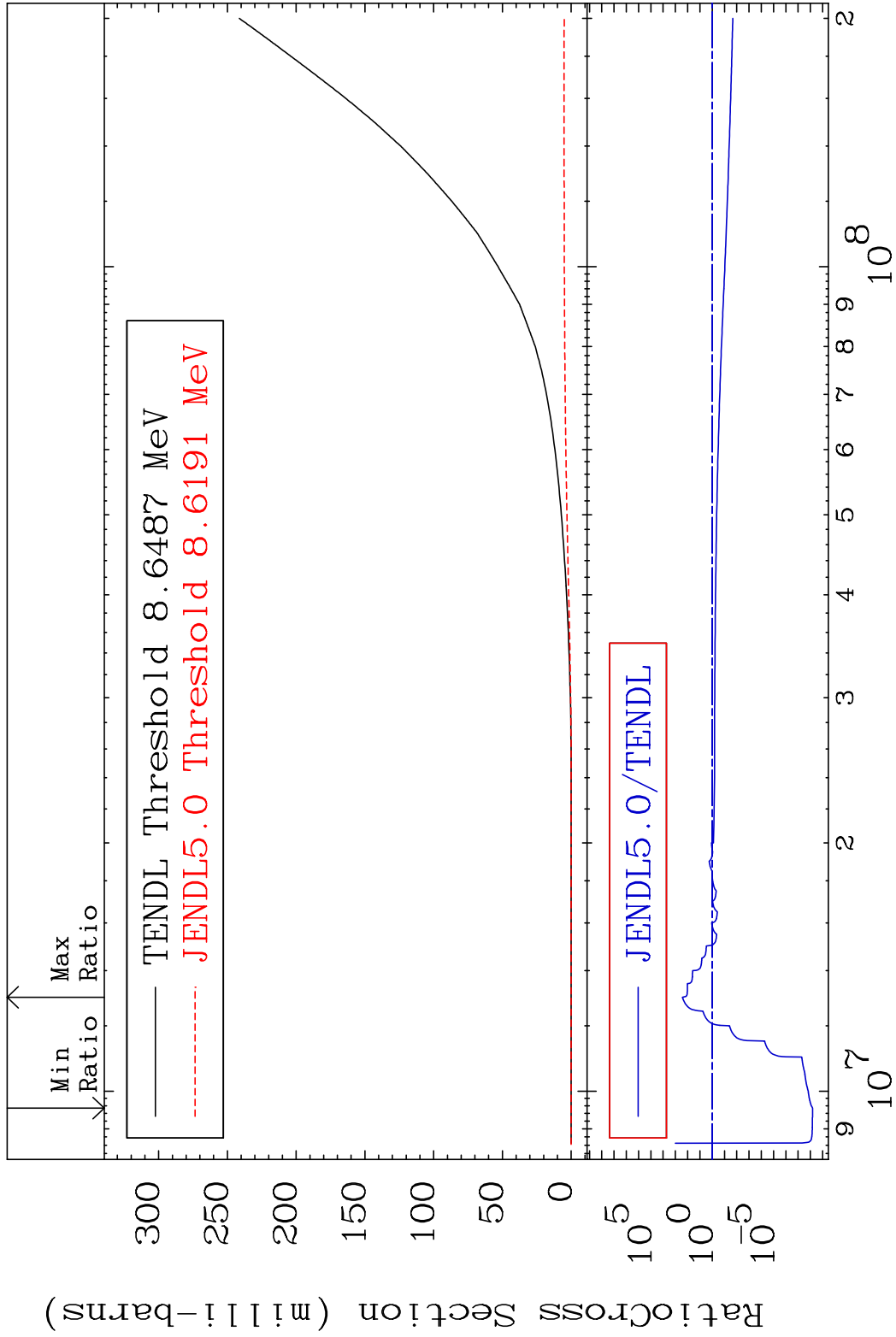


MAT 5531

He-3 Production

55-Cs-135

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

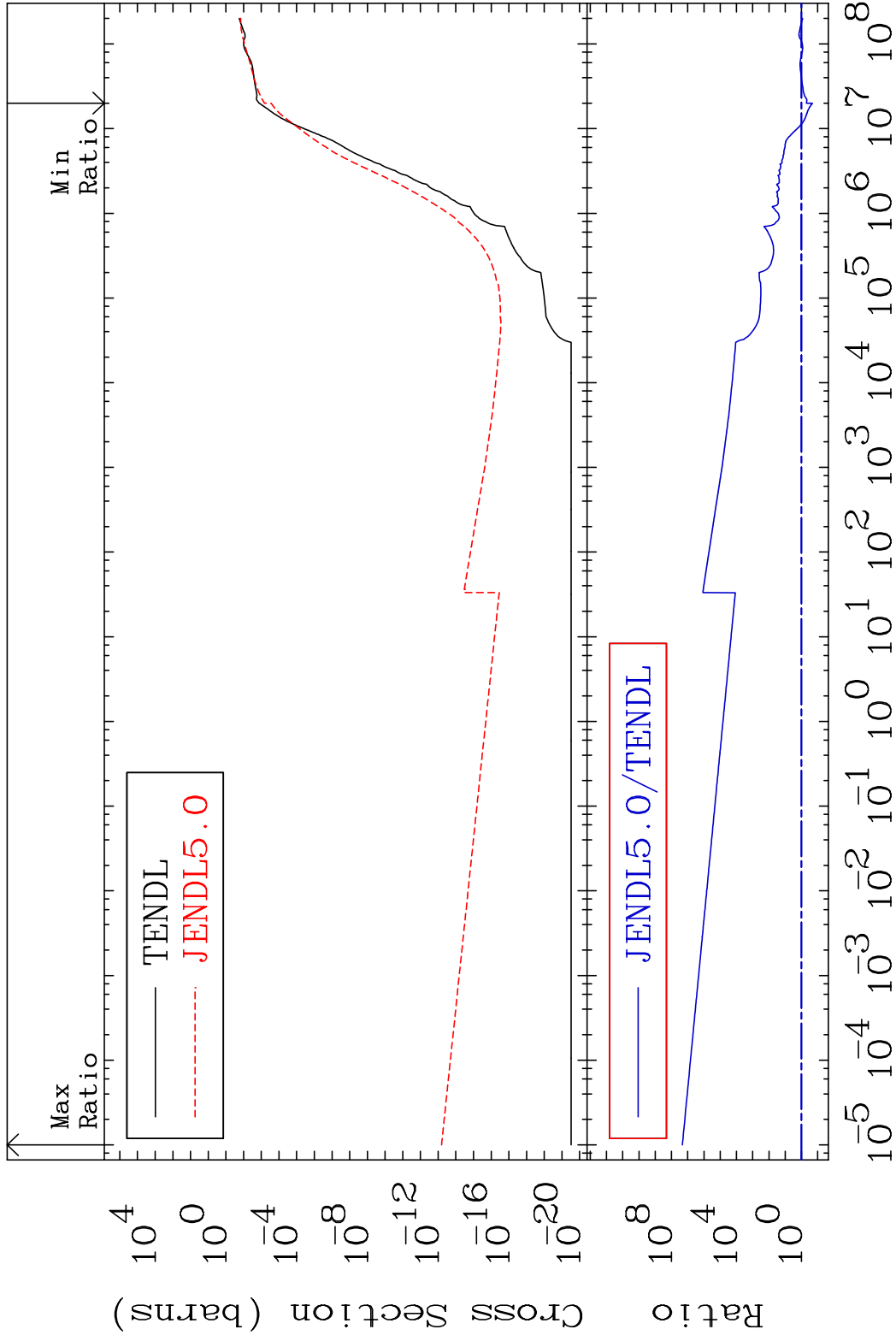
55-Cs-135

MAT 5531

He-4 Production

55-Cs-135

Cross Section -79.32 To 9999. %



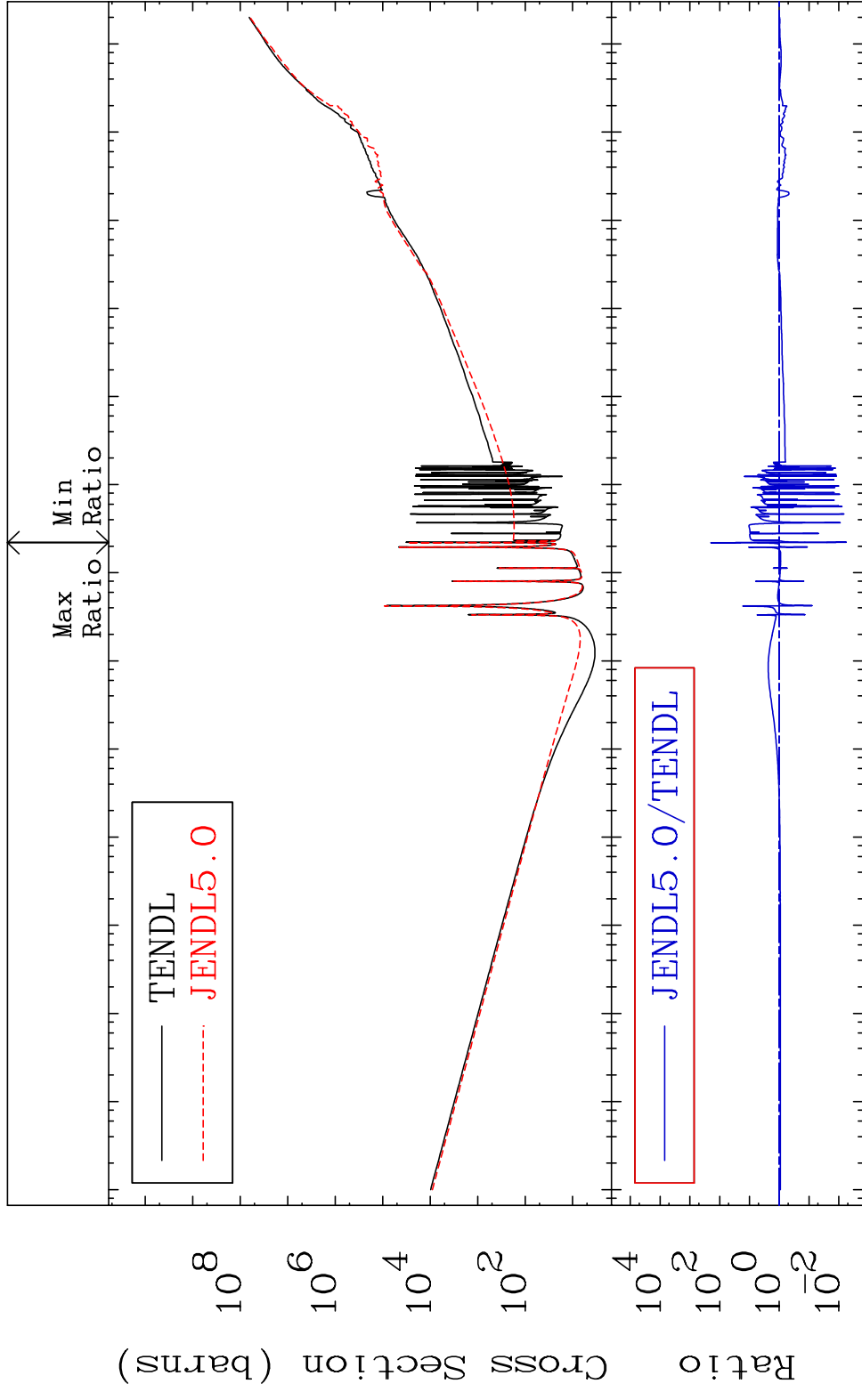
39

Incident Energy (eV)

55-Cs-135



MAT 5531 Kerma total (eV-barns) 55-Cs-135  
Cross Section -99.44 To 9999. %



40 Incident Energy (eV) 55-Cs-135

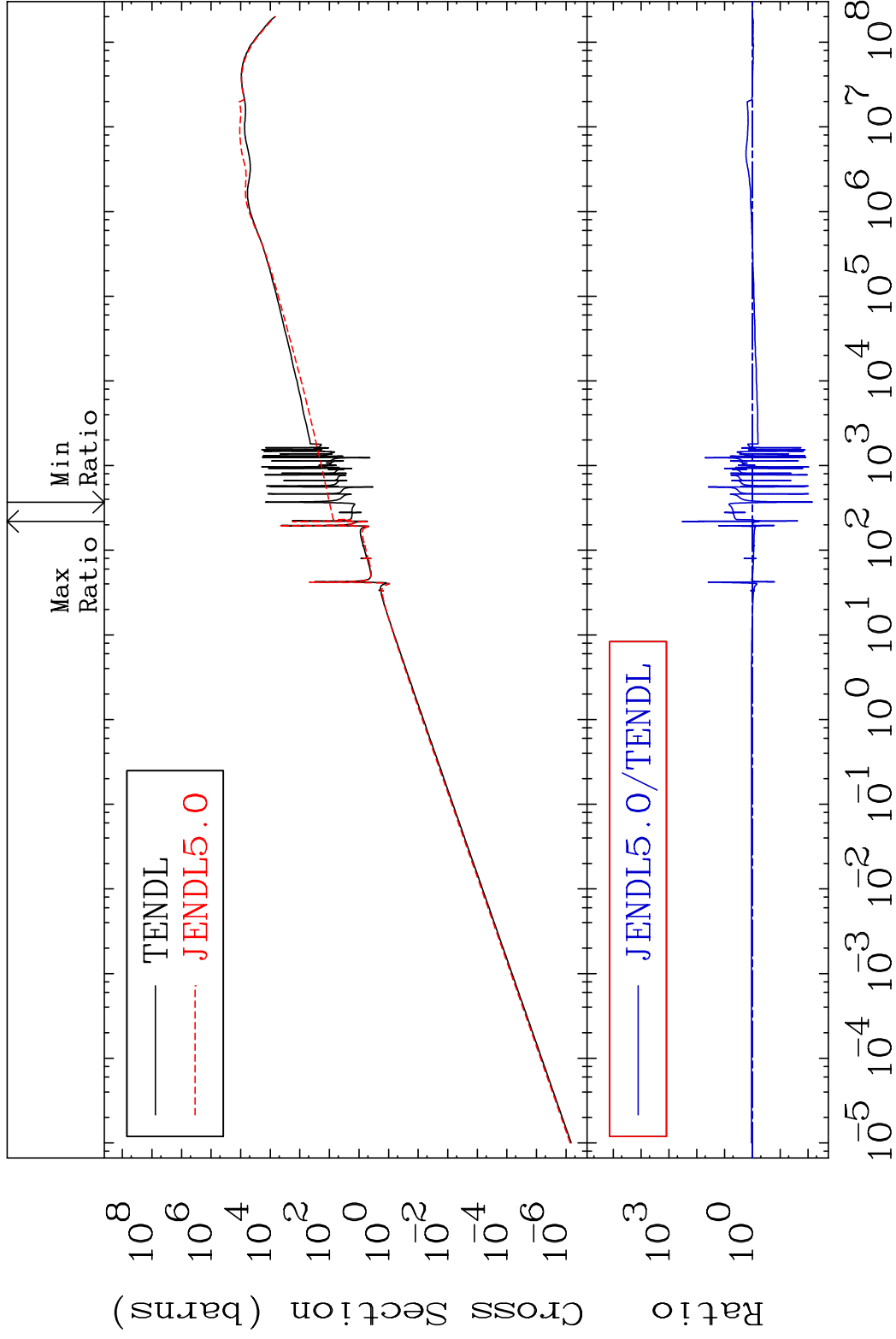
MAT 5531

Kerma elastic

55-Cs-135

Cross Section

-99.31 To 9999. %

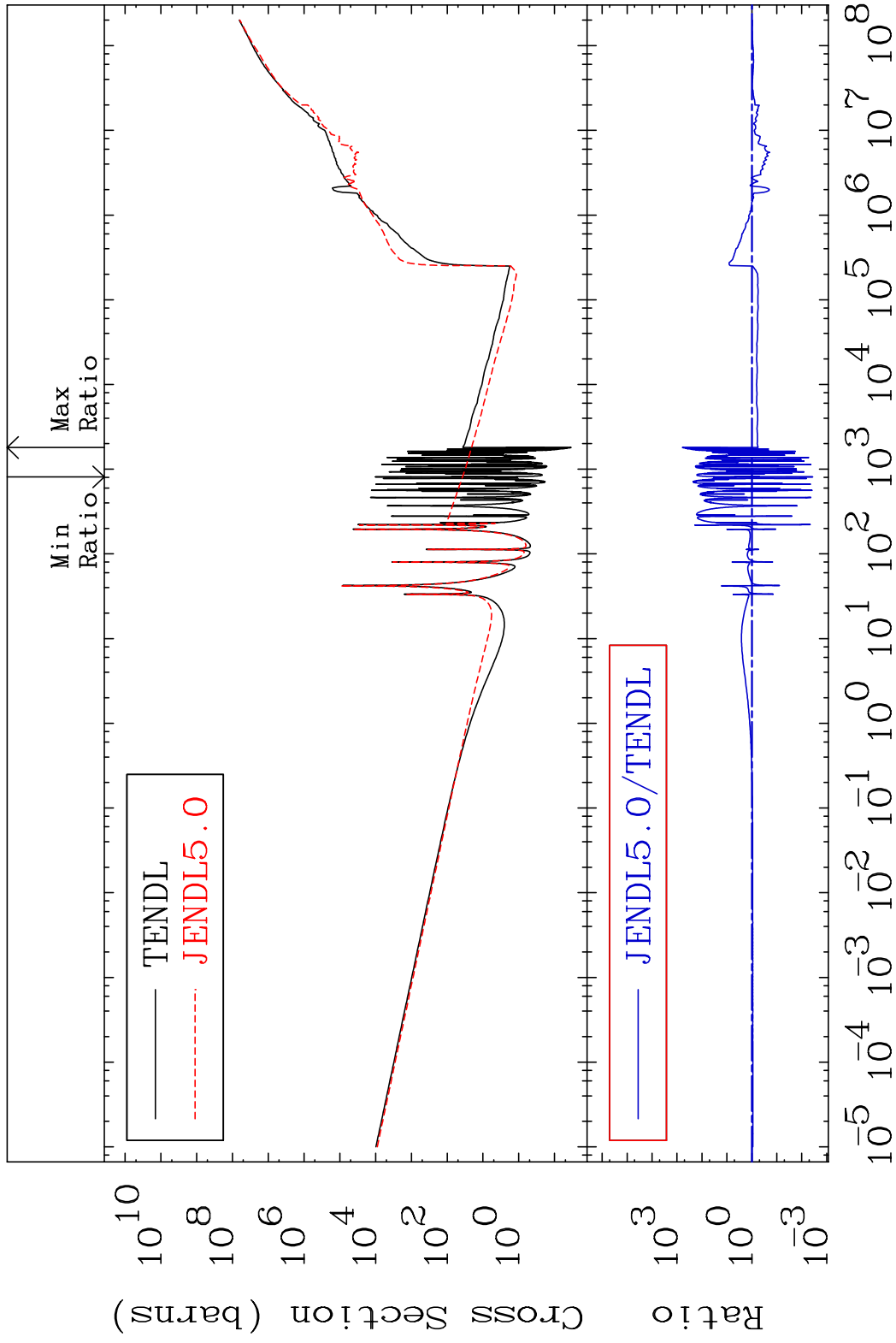


41

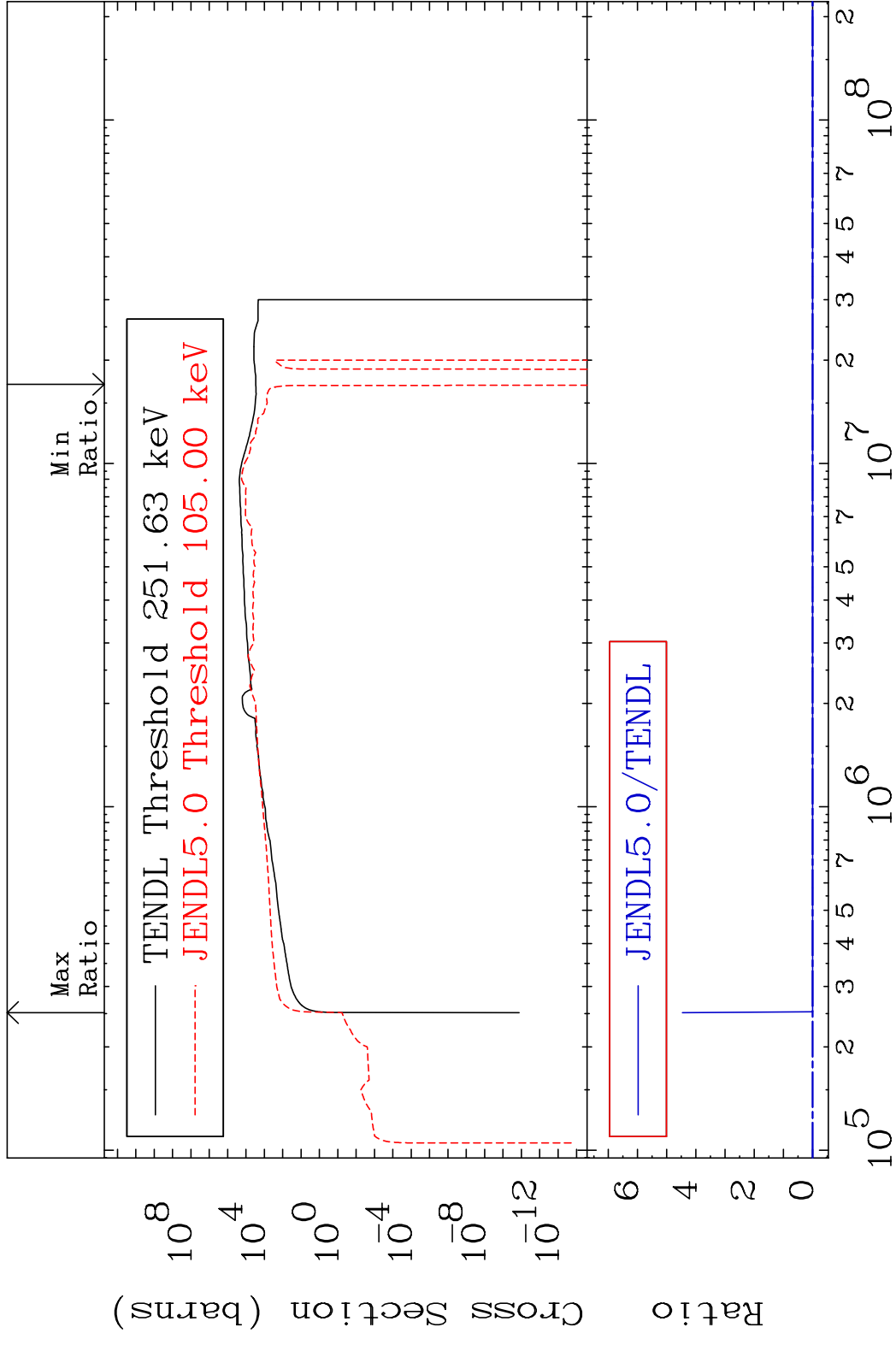
Incident Energy (eV)

55-Cs-135

MAT 5531 Kerma non-elastic (all but mt2) 55-Cs-135  
 Cross Section -99.63 To 9999. %

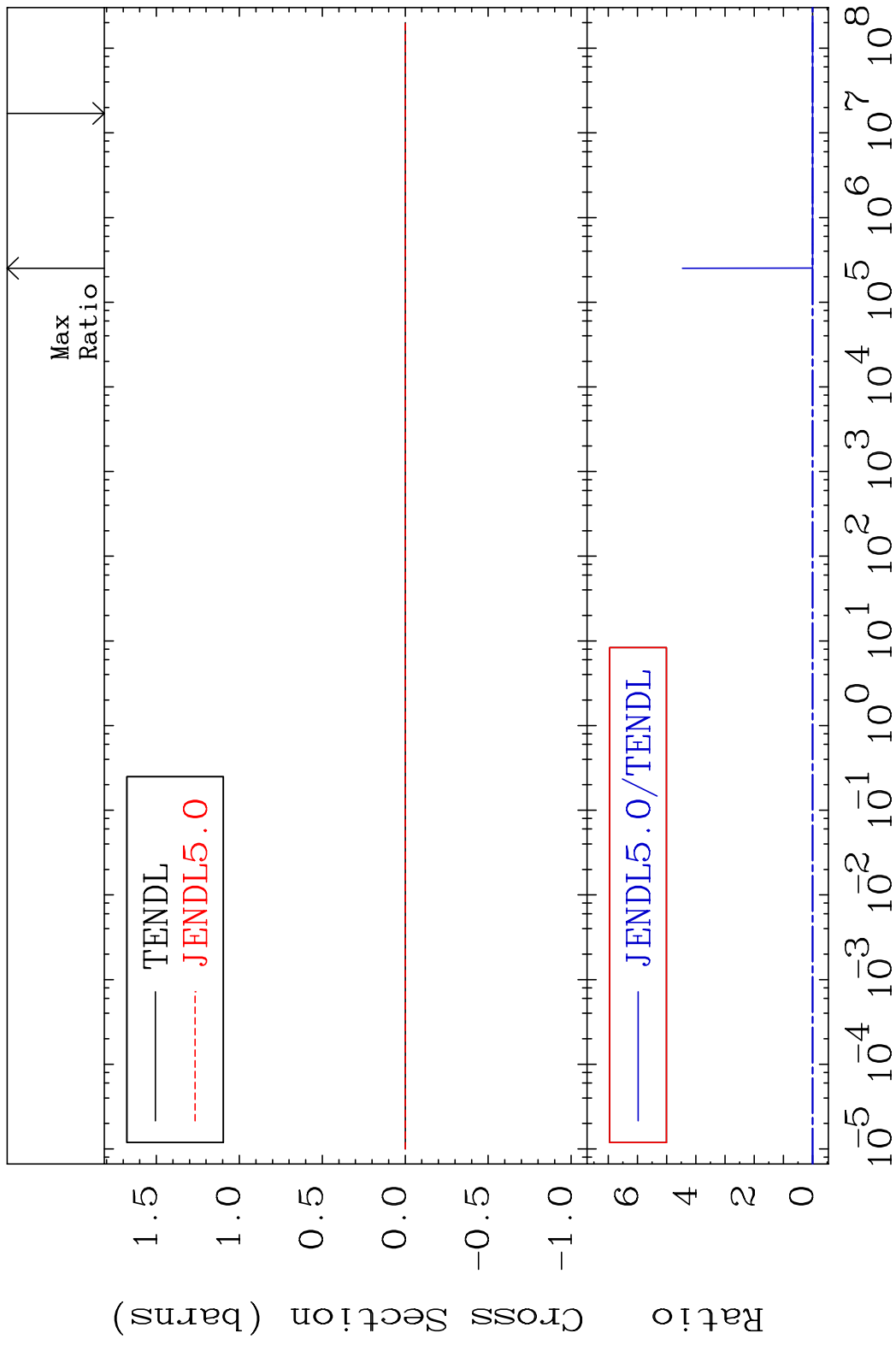


MAT 5531 Kerma inelastic (mt51-91) 55-Cs-135  
 Cross Section -104.6 To 9999. %



43 Incident Energy (eV) 55-Cs-135

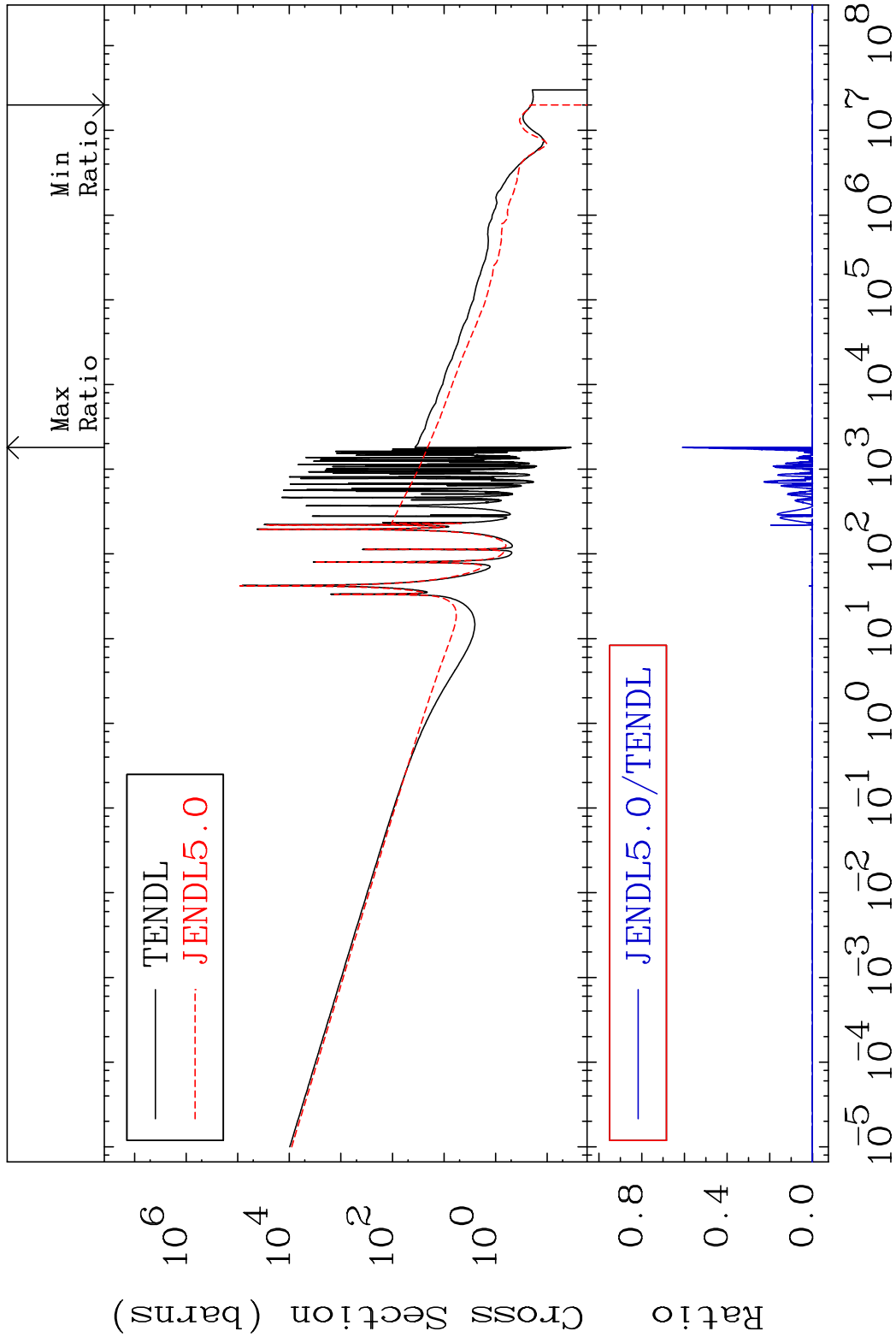
MAT 5531 Kerma fission (mt18 or mt19-20-21-38)55-Cs-135  
 Cross Section -104.6 To 9999. %



MAT 5531

Kerma capture (mt102) 55-Cs-135

Cross Section -100.0 To 9999. %

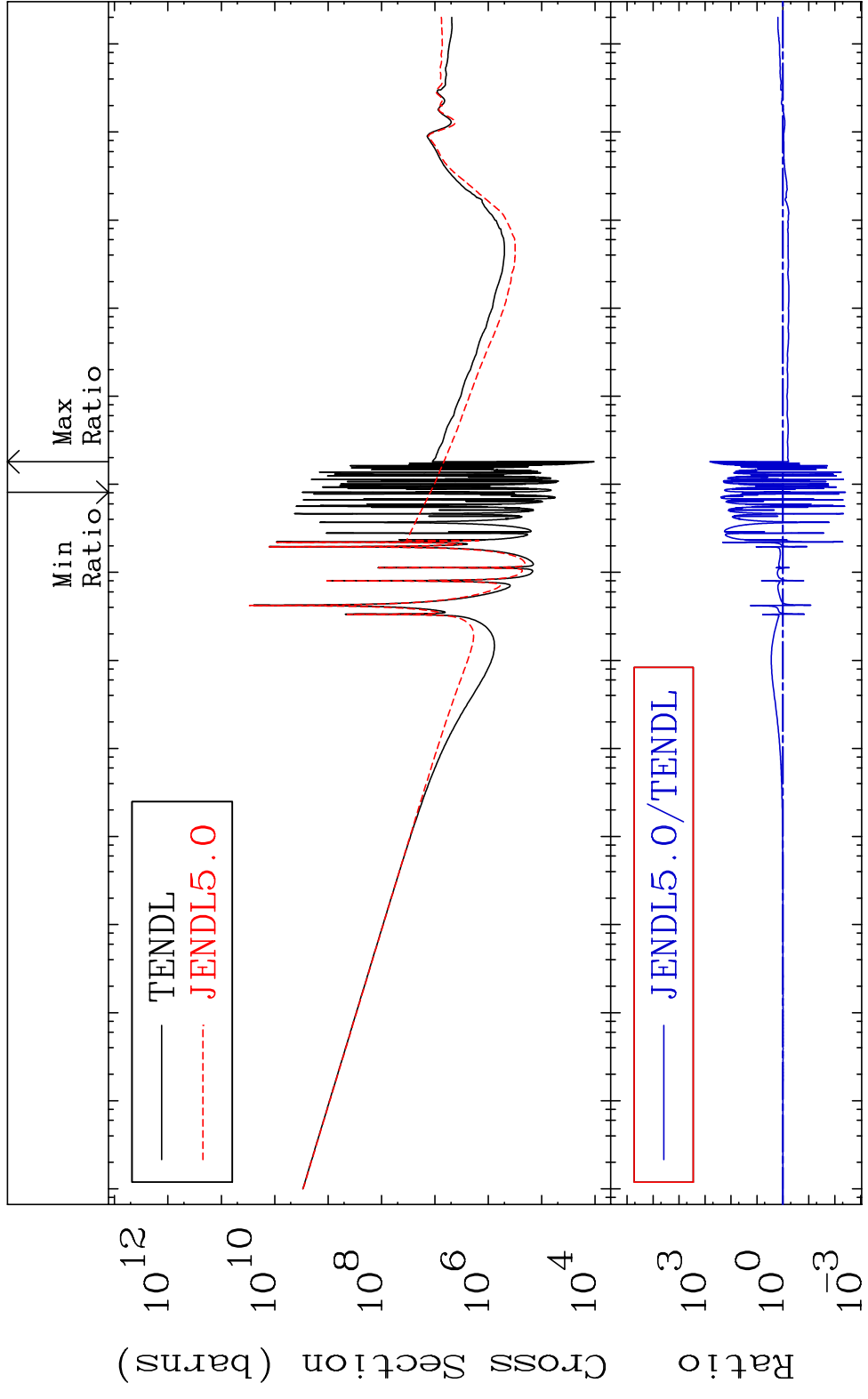


45

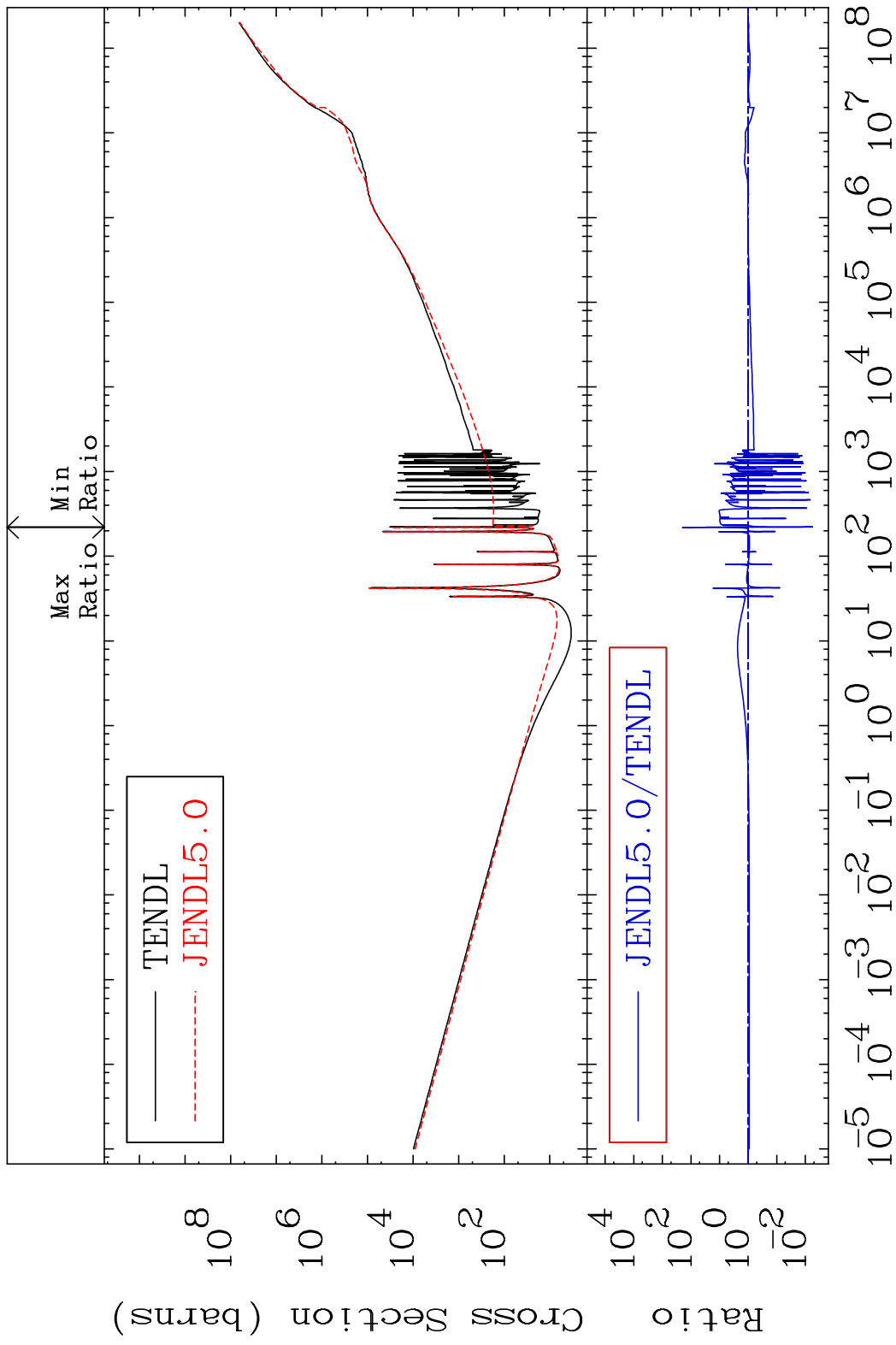
Incident Energy (eV)

55-Cs-135

MAT 5531 Total photon (eV-barns) 55-Cs-135  
Cross Section -99.60 To 9999. %

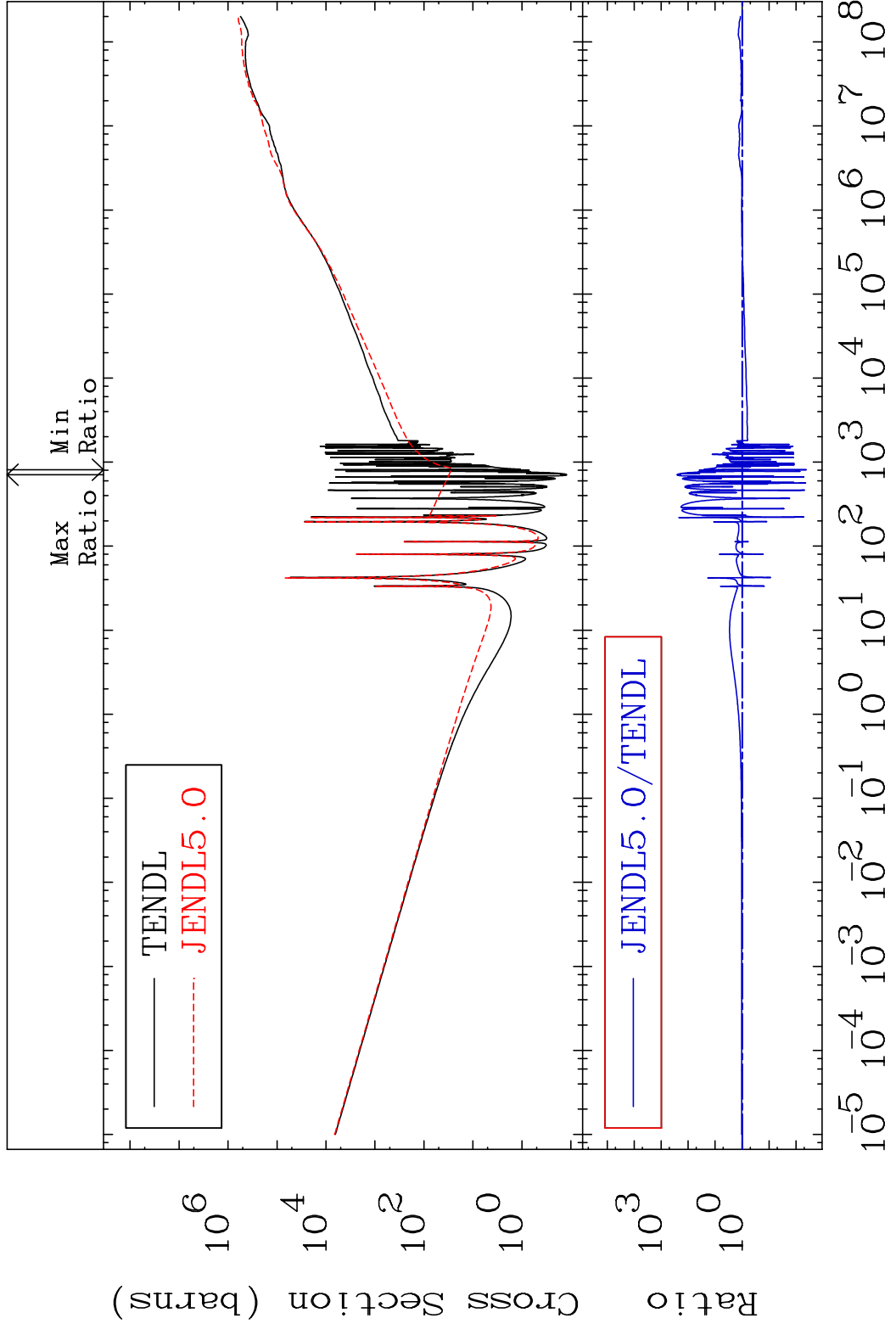


MAT 5531 Total kinematic kerma (high limit) 55-Cs-135  
 Cross Section -99.44 To 9999. %





MAT 5531      Dpa total (eV-barns)      55-Cs-135  
 Cross Section      -99.59 To 9999. %



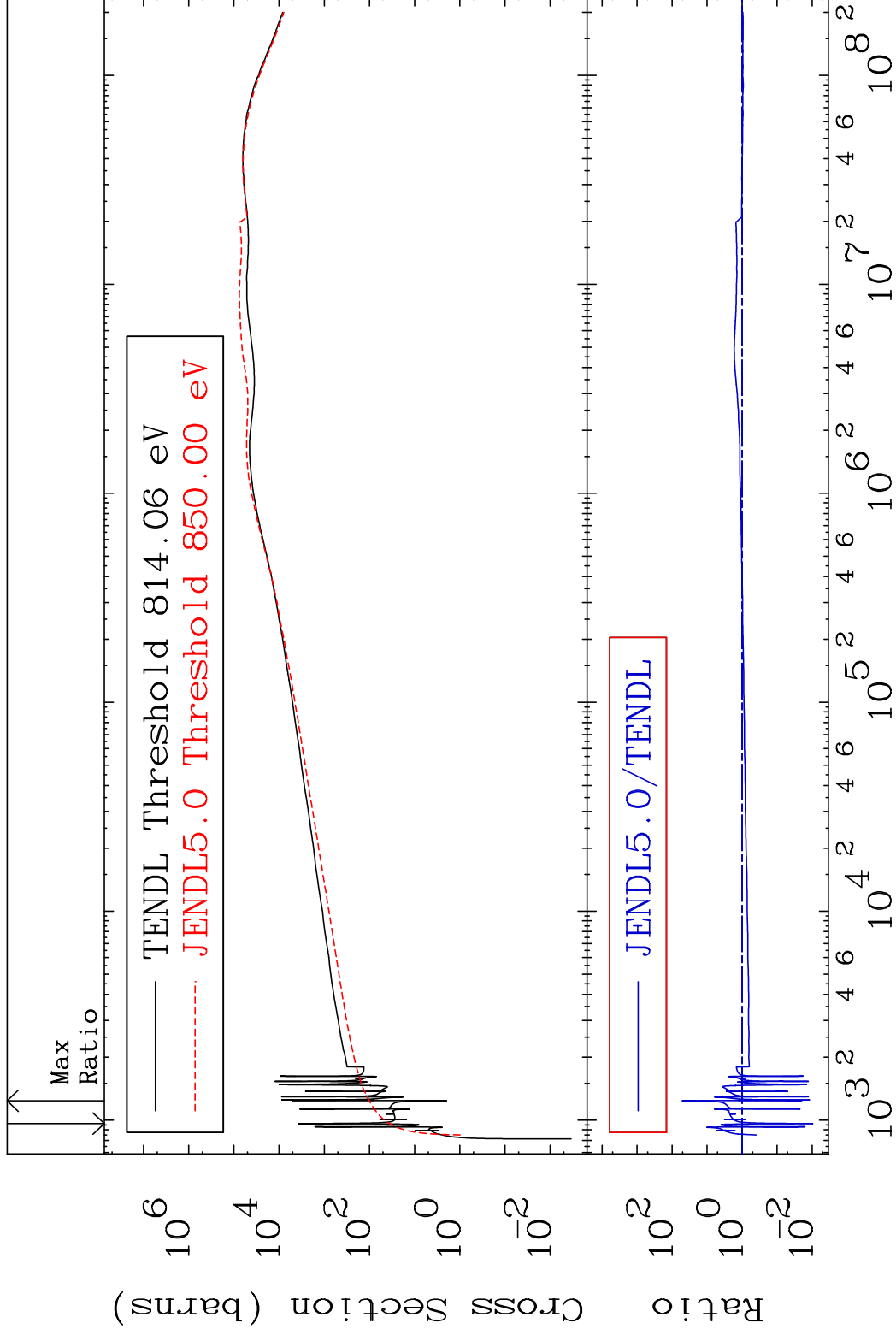
MAT 5531

Dpa elastic (mt2)

55-Cs-135

Cross Section

-99.03 To 4986. %



49

Incident Energy (eV)

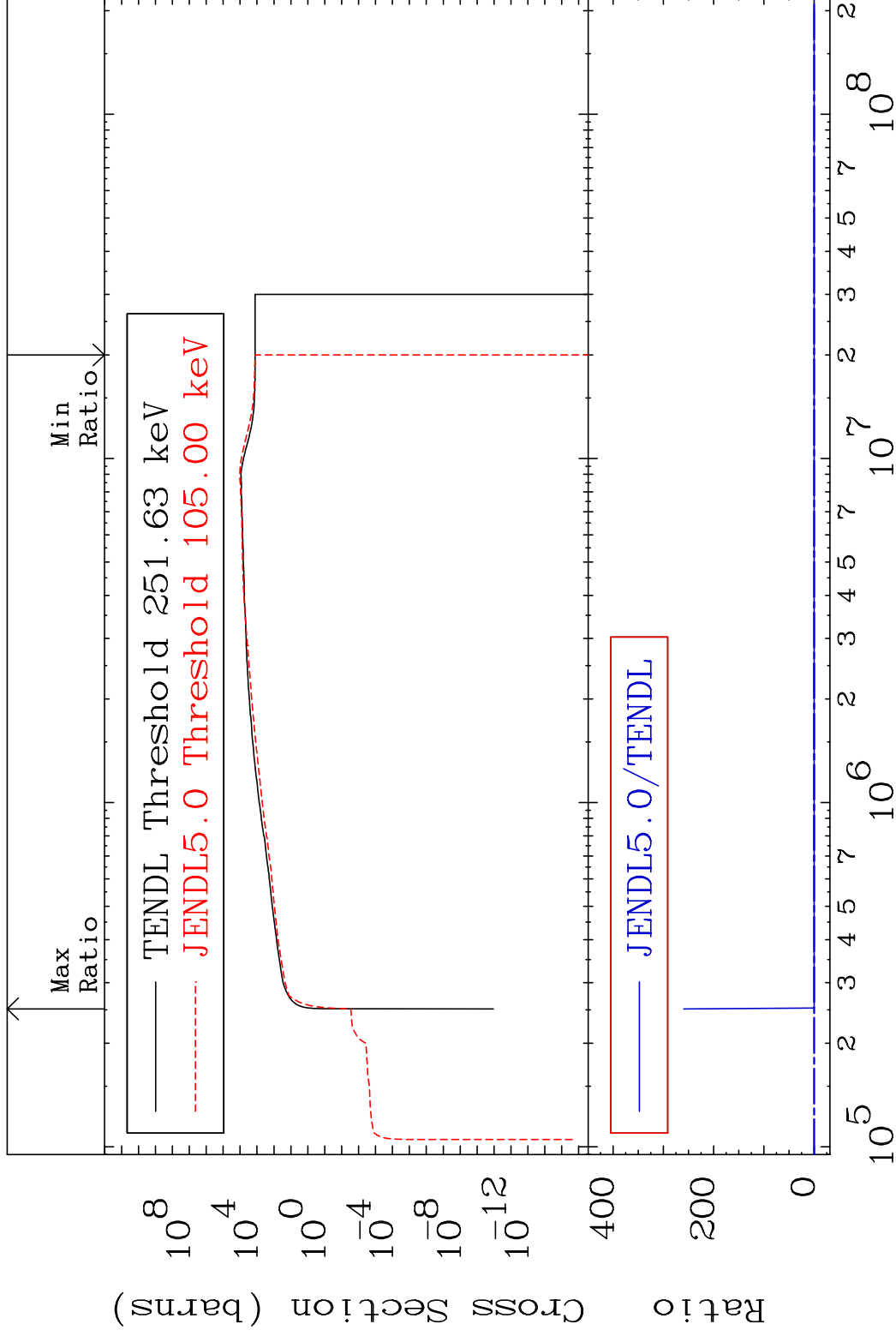
55-Cs-135

MAT 5531

Dpa inelastic (mt51-91)

55-Cs-135

Cross Section -100.0 To 9999. %

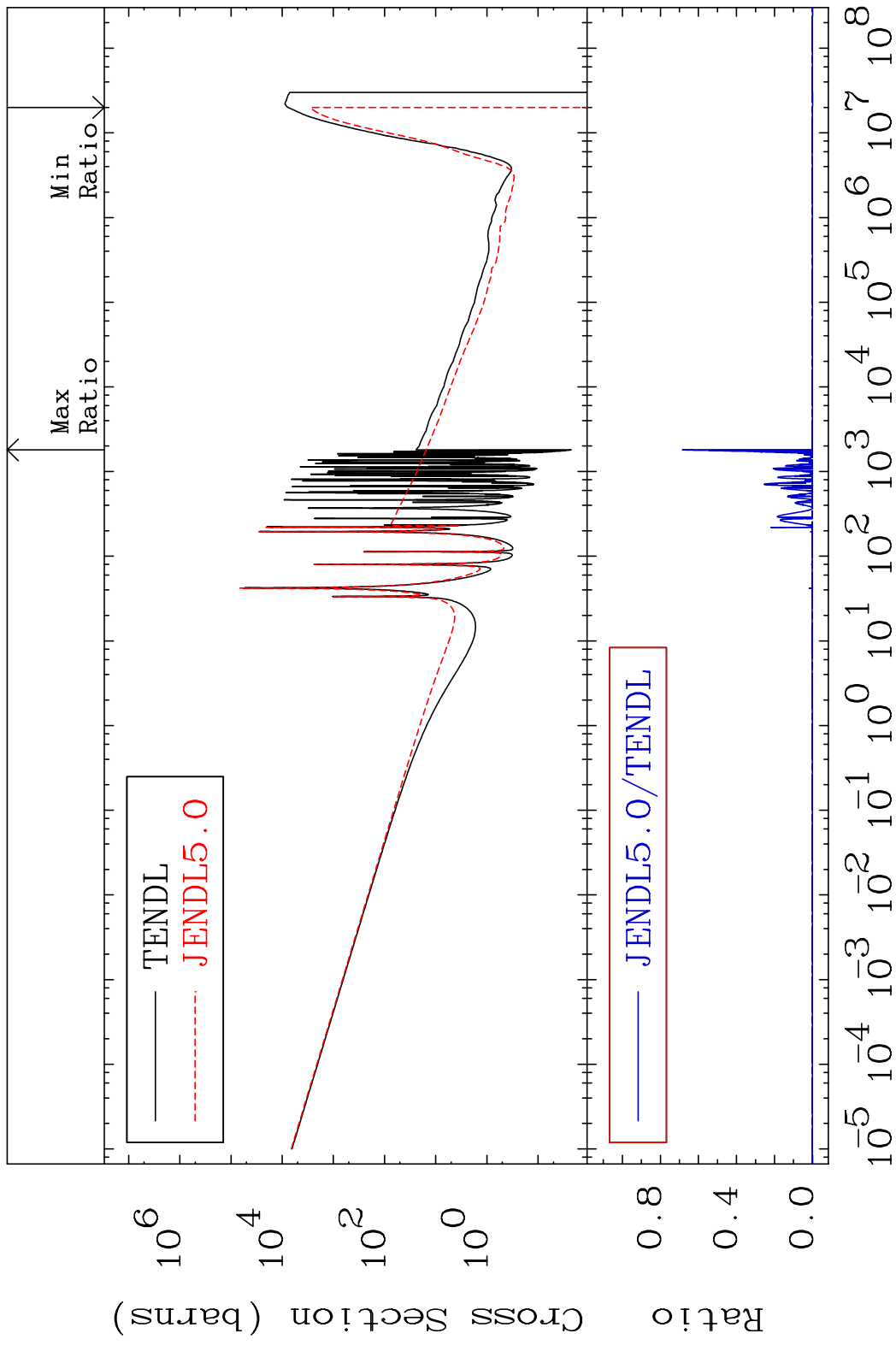


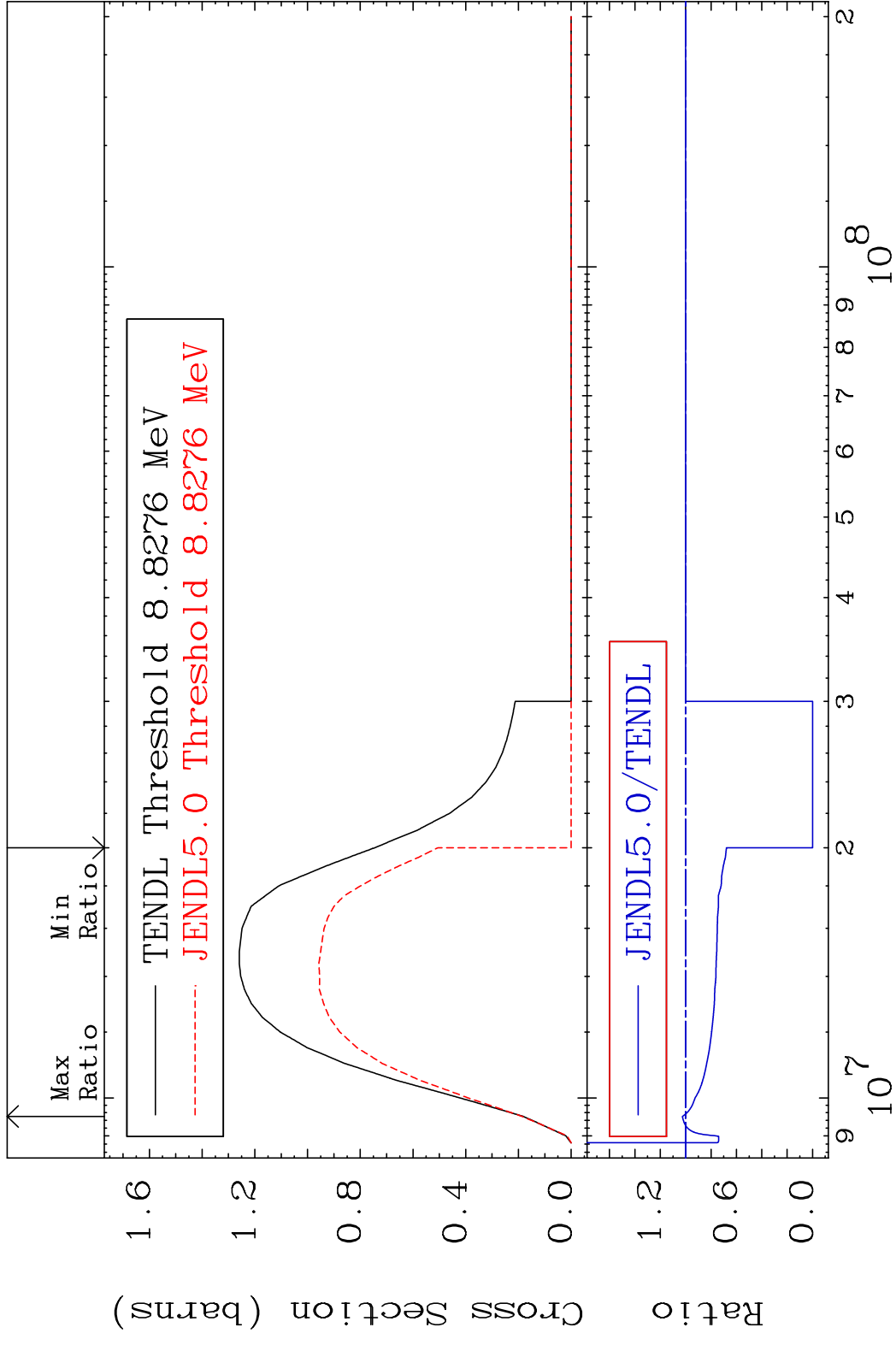
50

Incident Energy (eV)

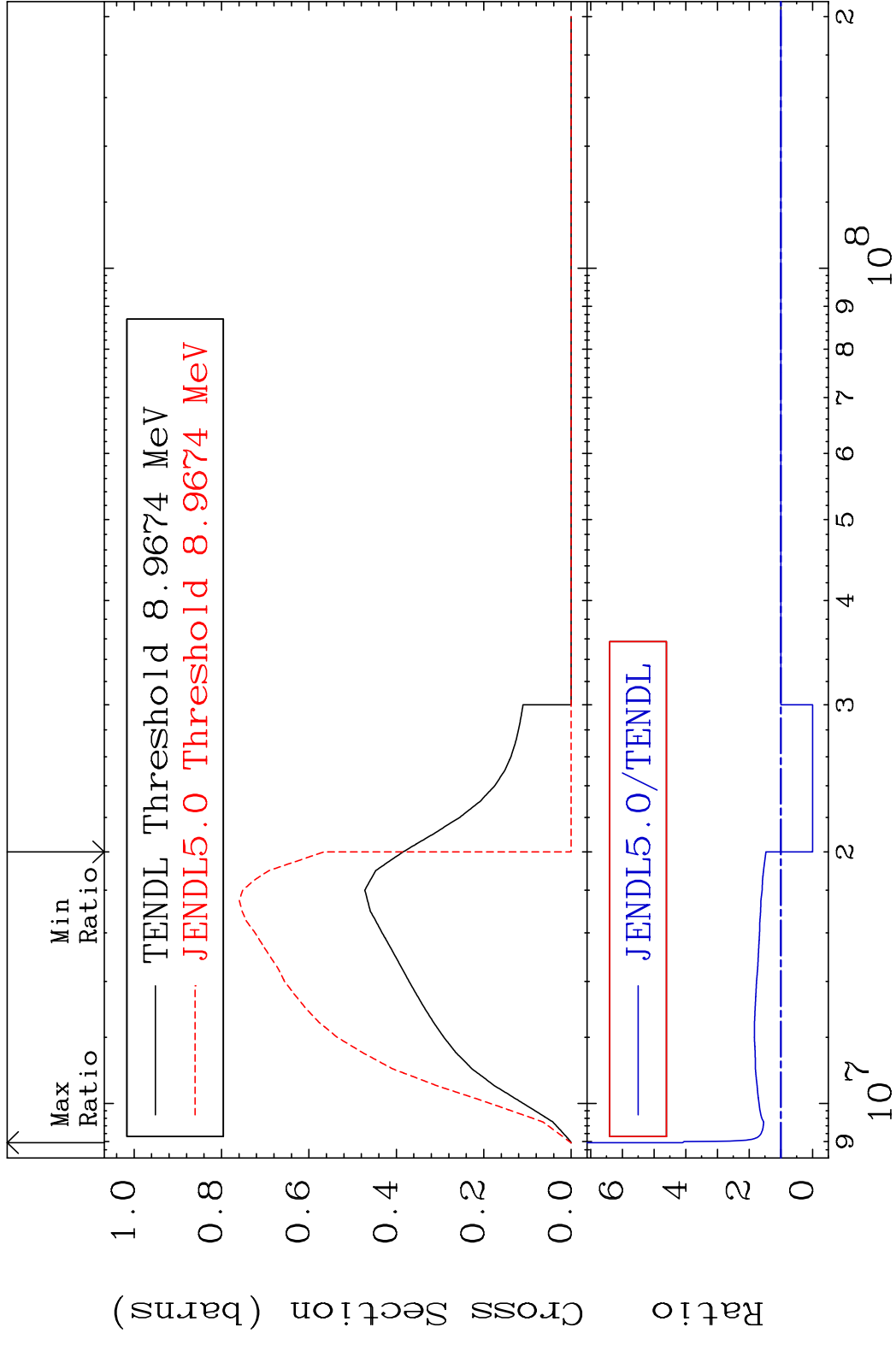
55-Cs-135

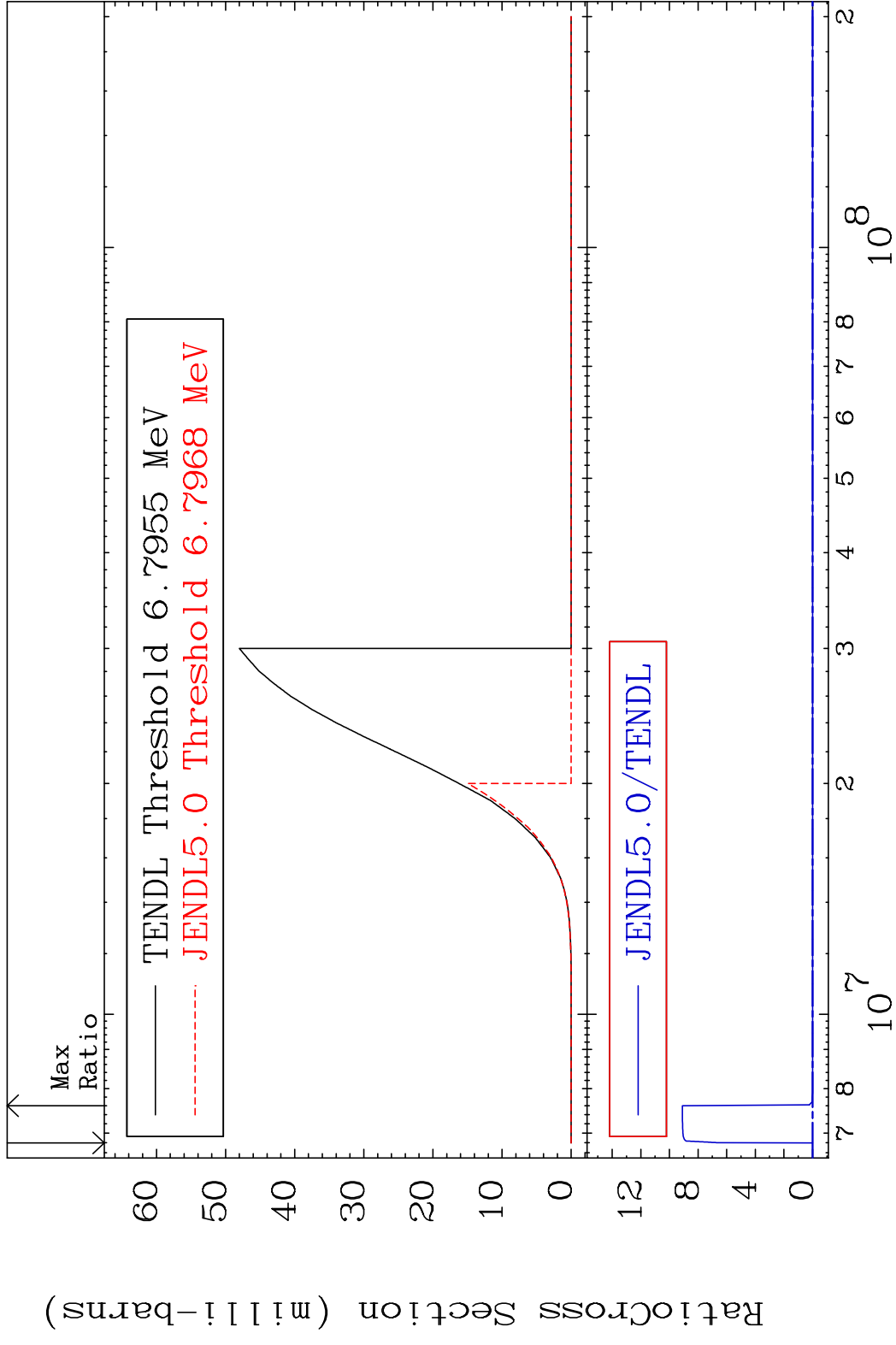
MAT 5531 Dpa disappearance (mt102 -120) 55-Cs-135  
 Cross Section -100.0 To 9999. %

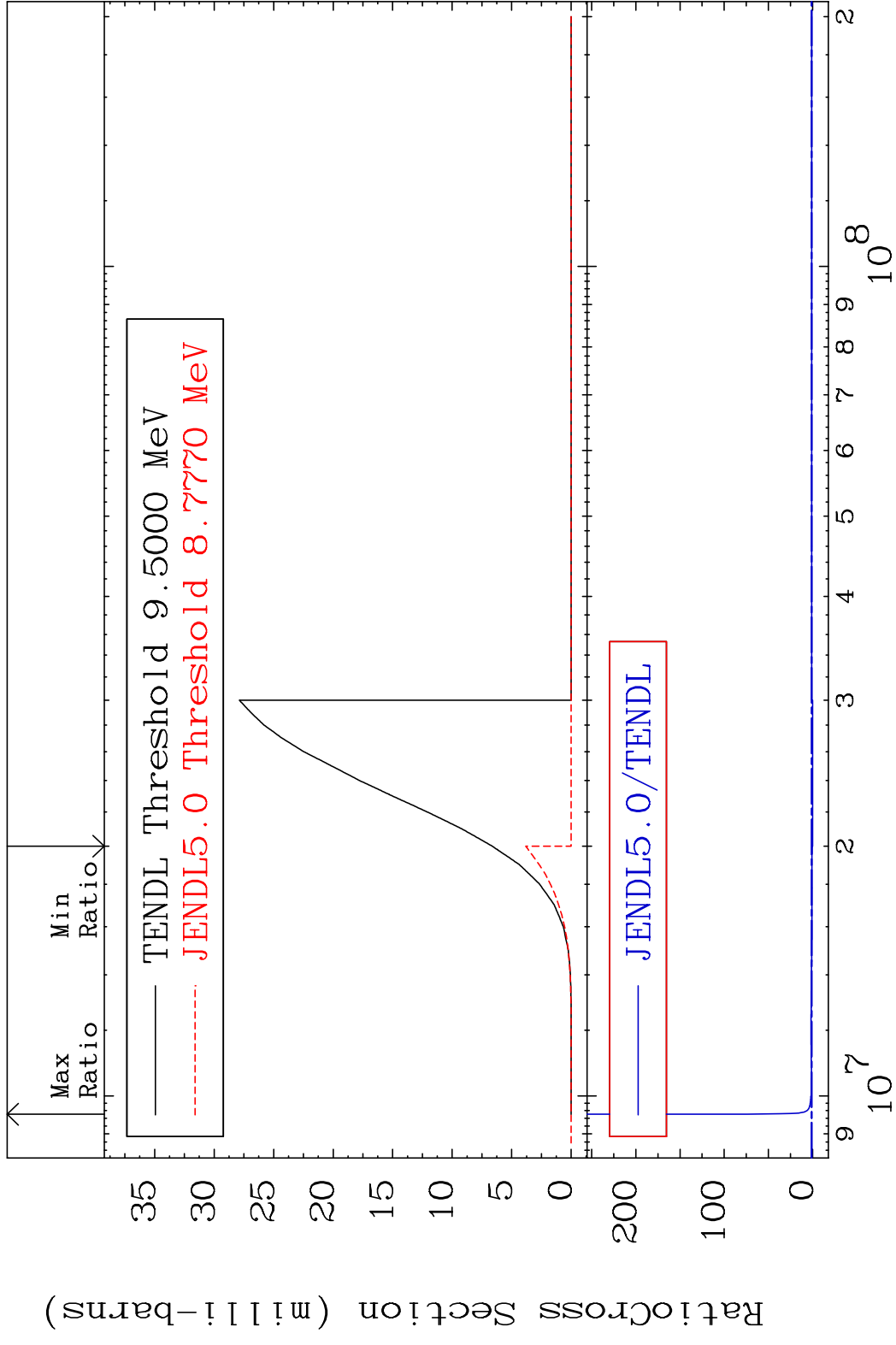




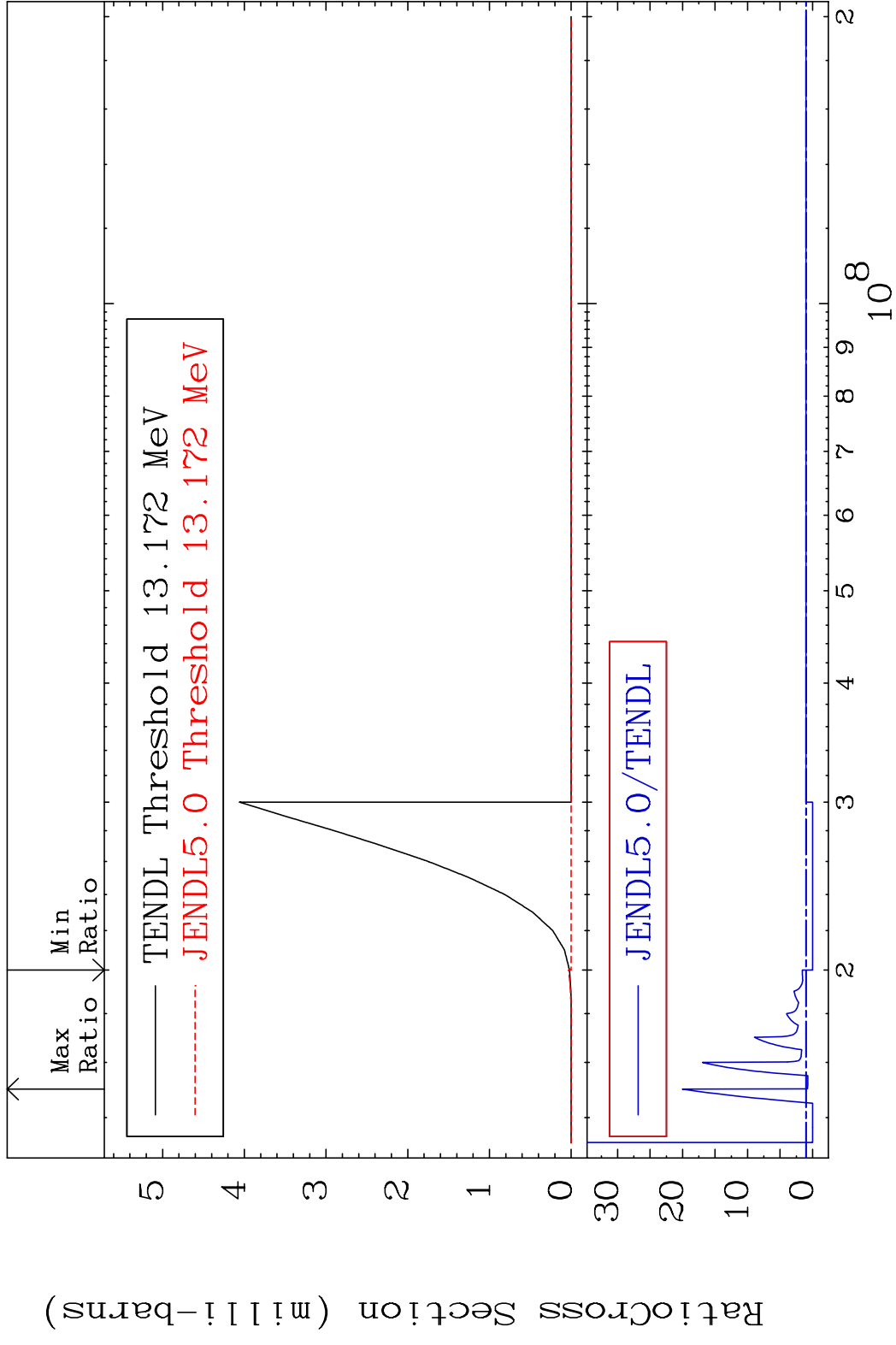
MAT 5531 (n,2n):55-Cs-134m3 55-Cs-135  
 Radionuclide Production Cross Section Ratio 310.8 %



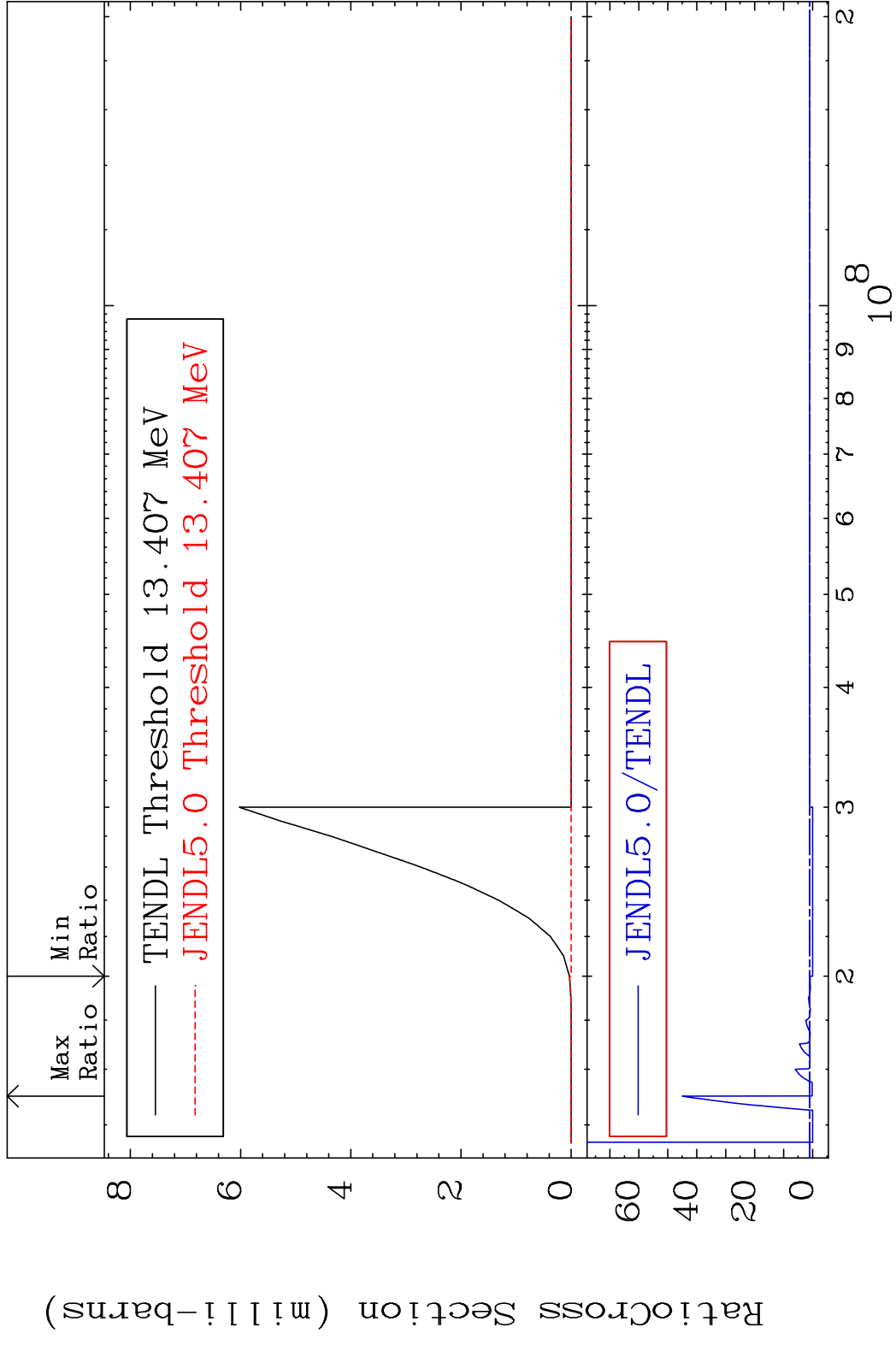




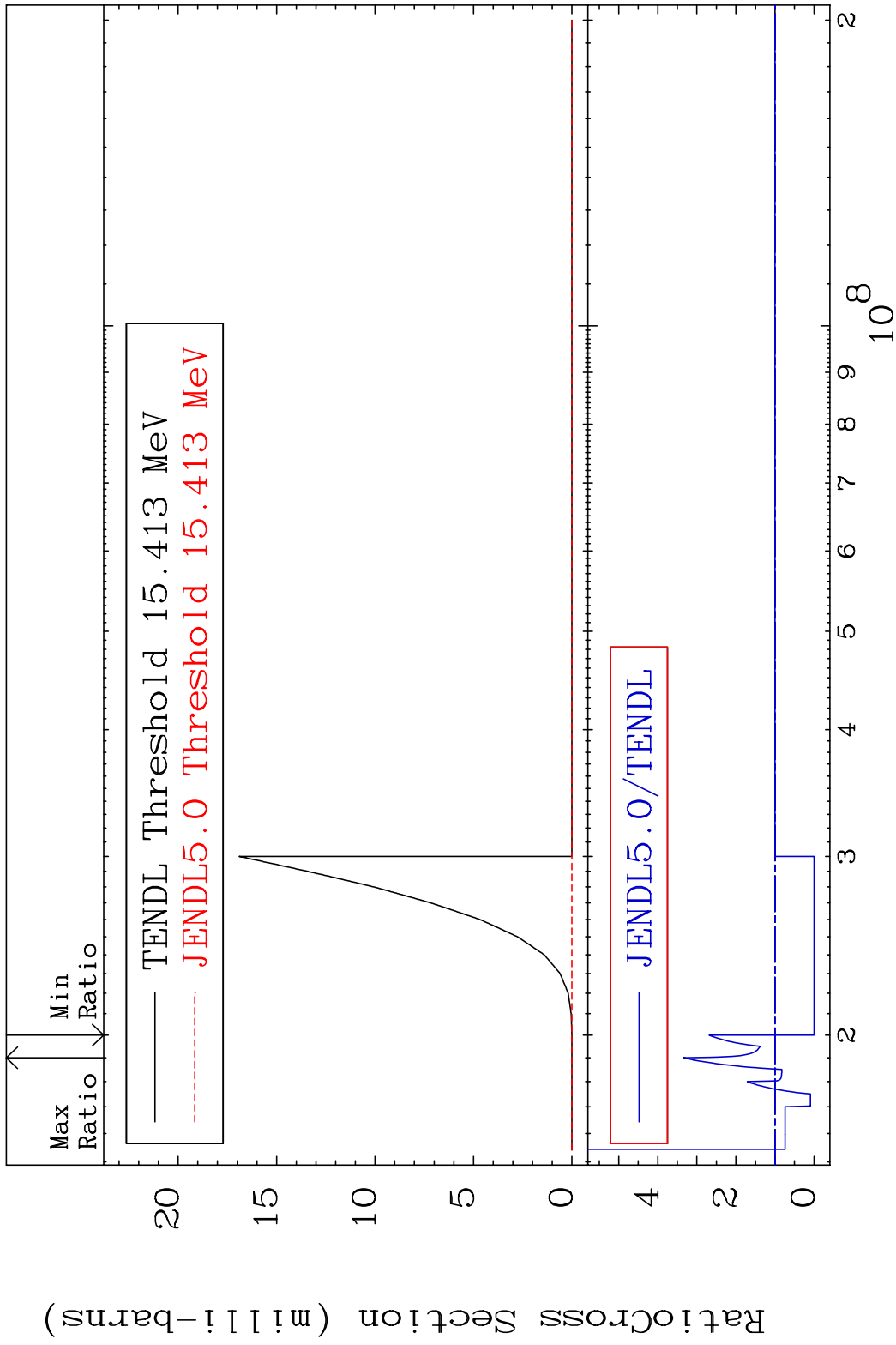


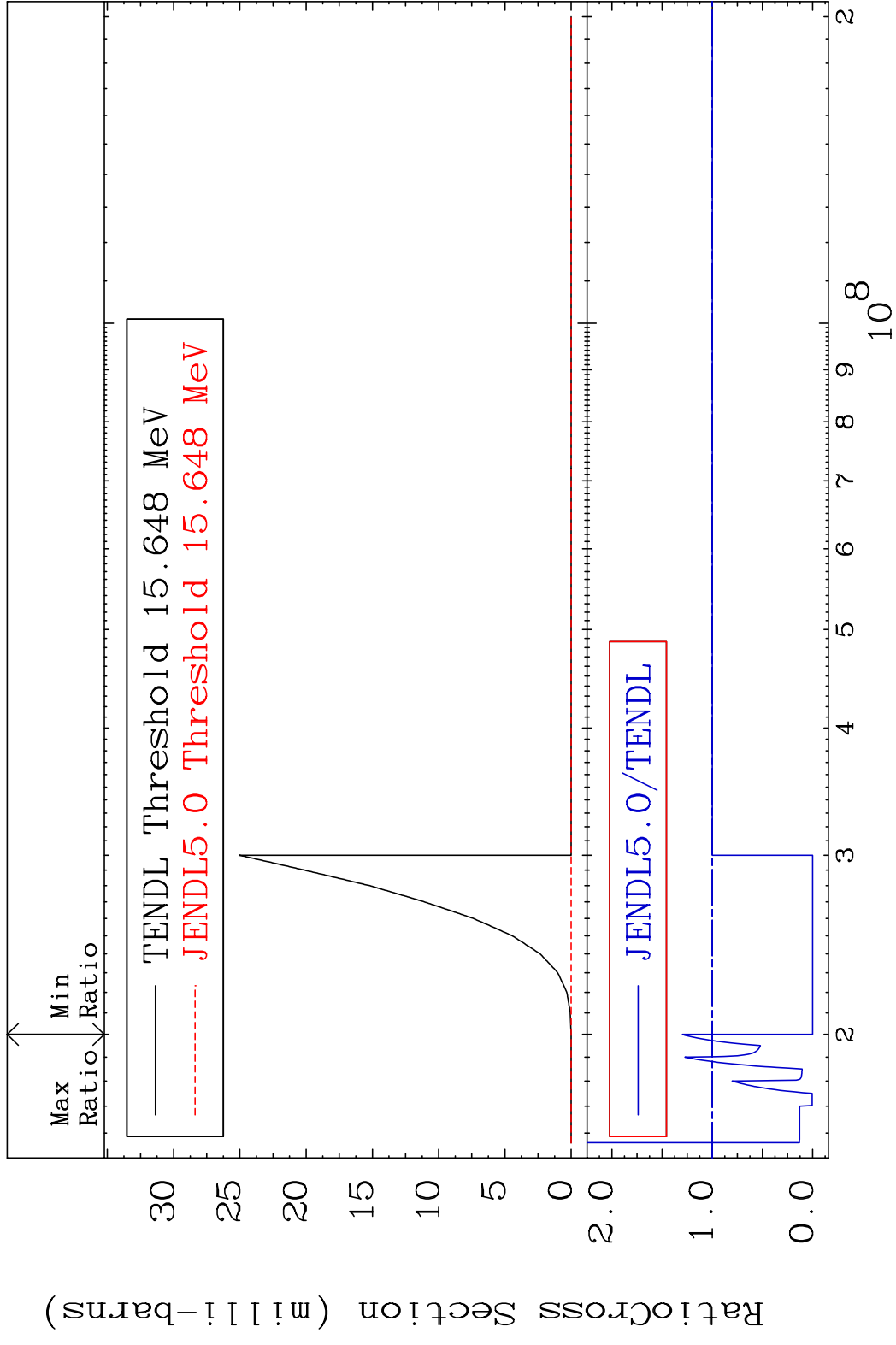


MAT 5531 (n, n') d:54-Xe-133m1 55-Cs-135  
 Radionuclide Production Cross Section 180.01 dth 4397. %

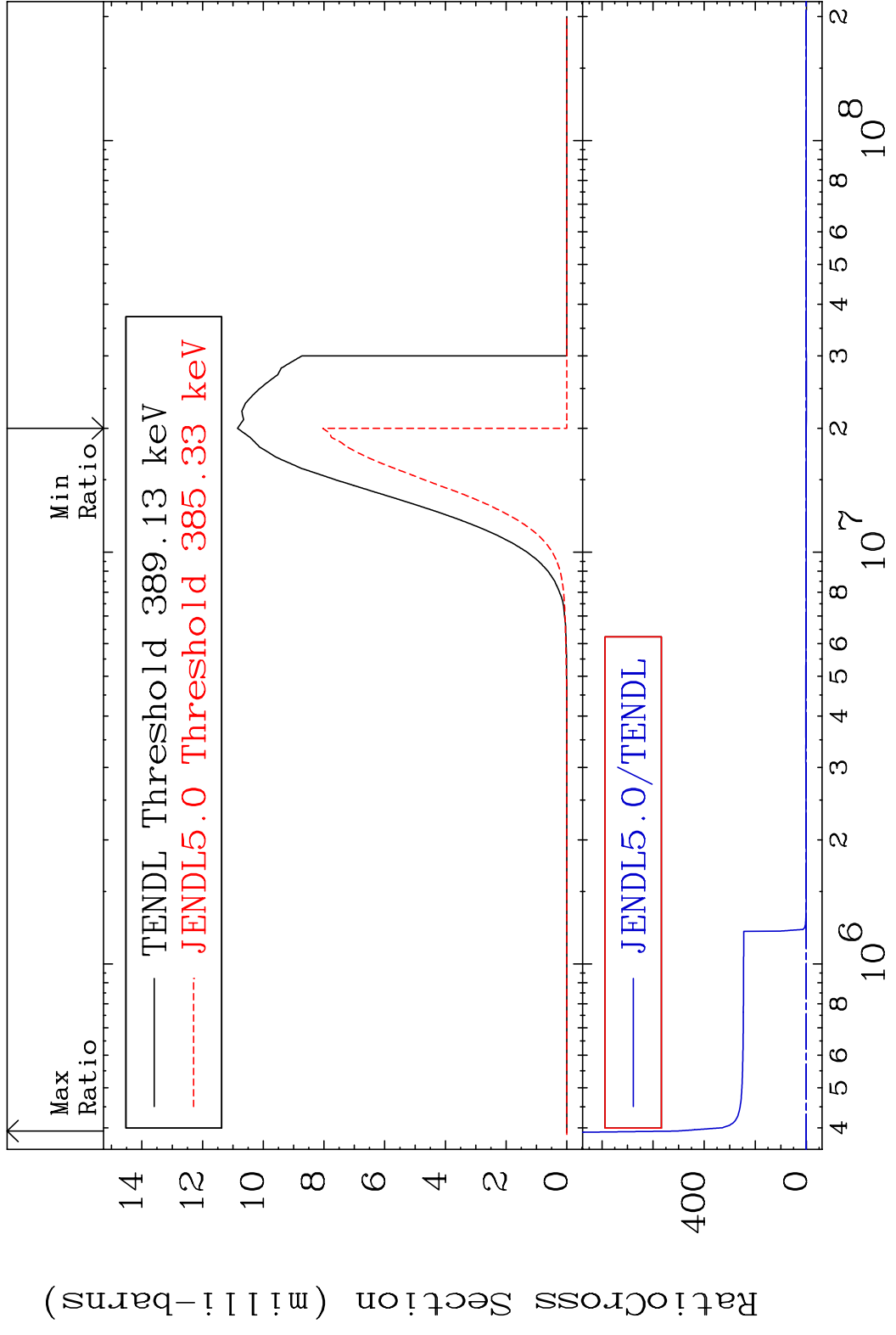


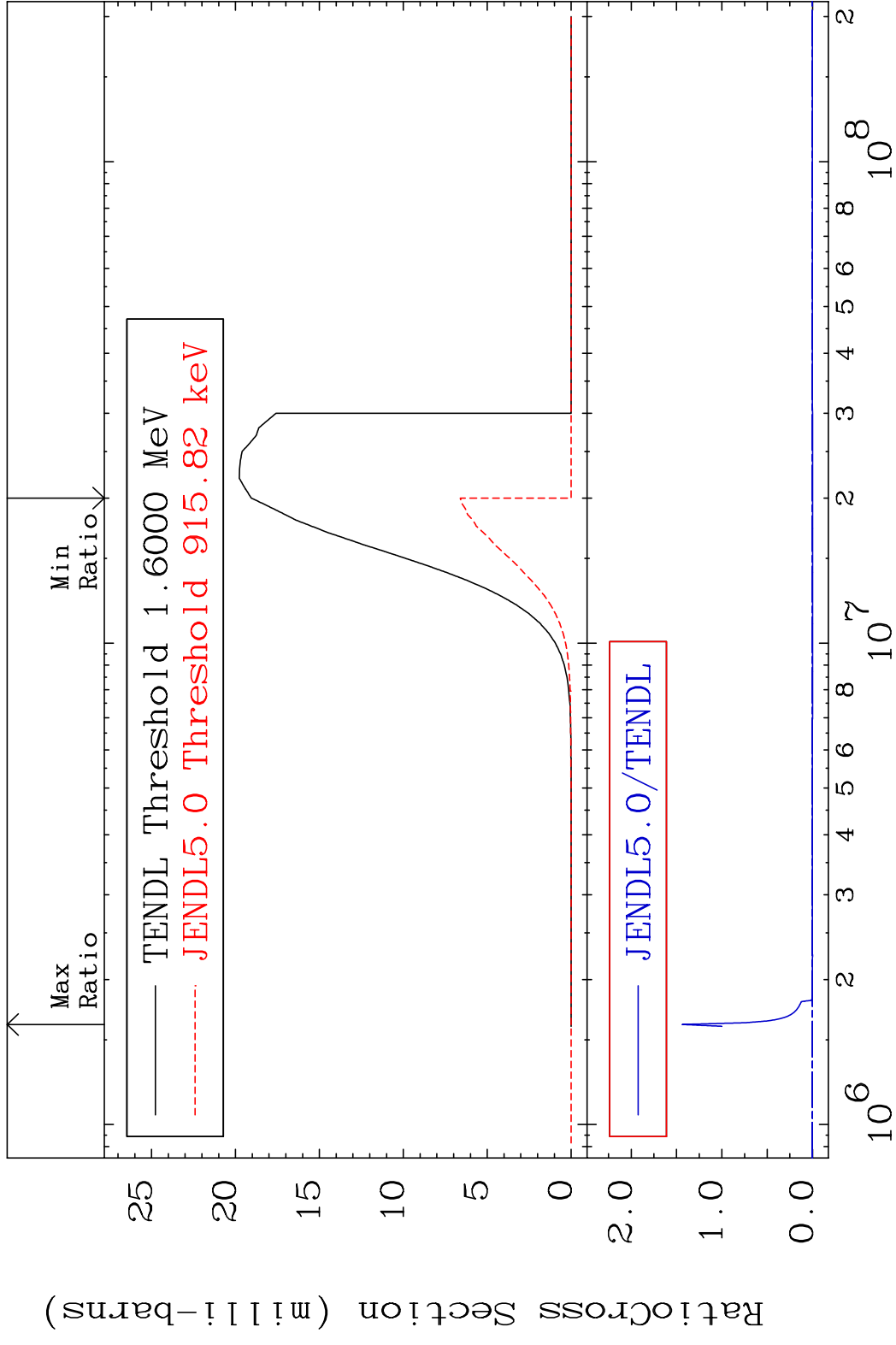
MAT 5531 (n,2n) p:54-Xe-133g 55-Cs-135  
 Radionuclide Production Cross Section Ratio 234.3 %



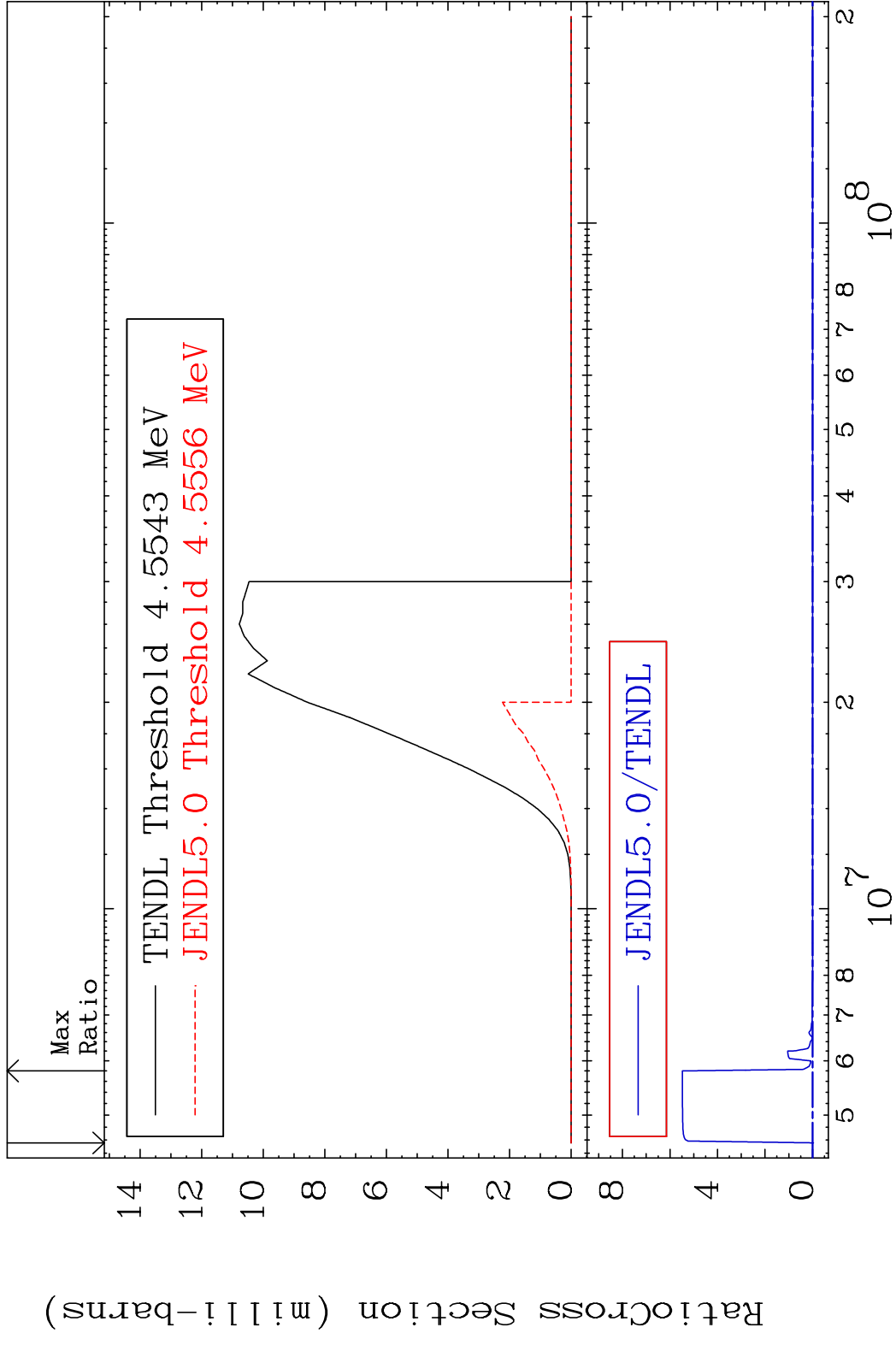


MAT 5531 (n,p):54-Xe-135g 55-Cs-135  
 Radionuclide Production Cross Section Ratio 9999. %

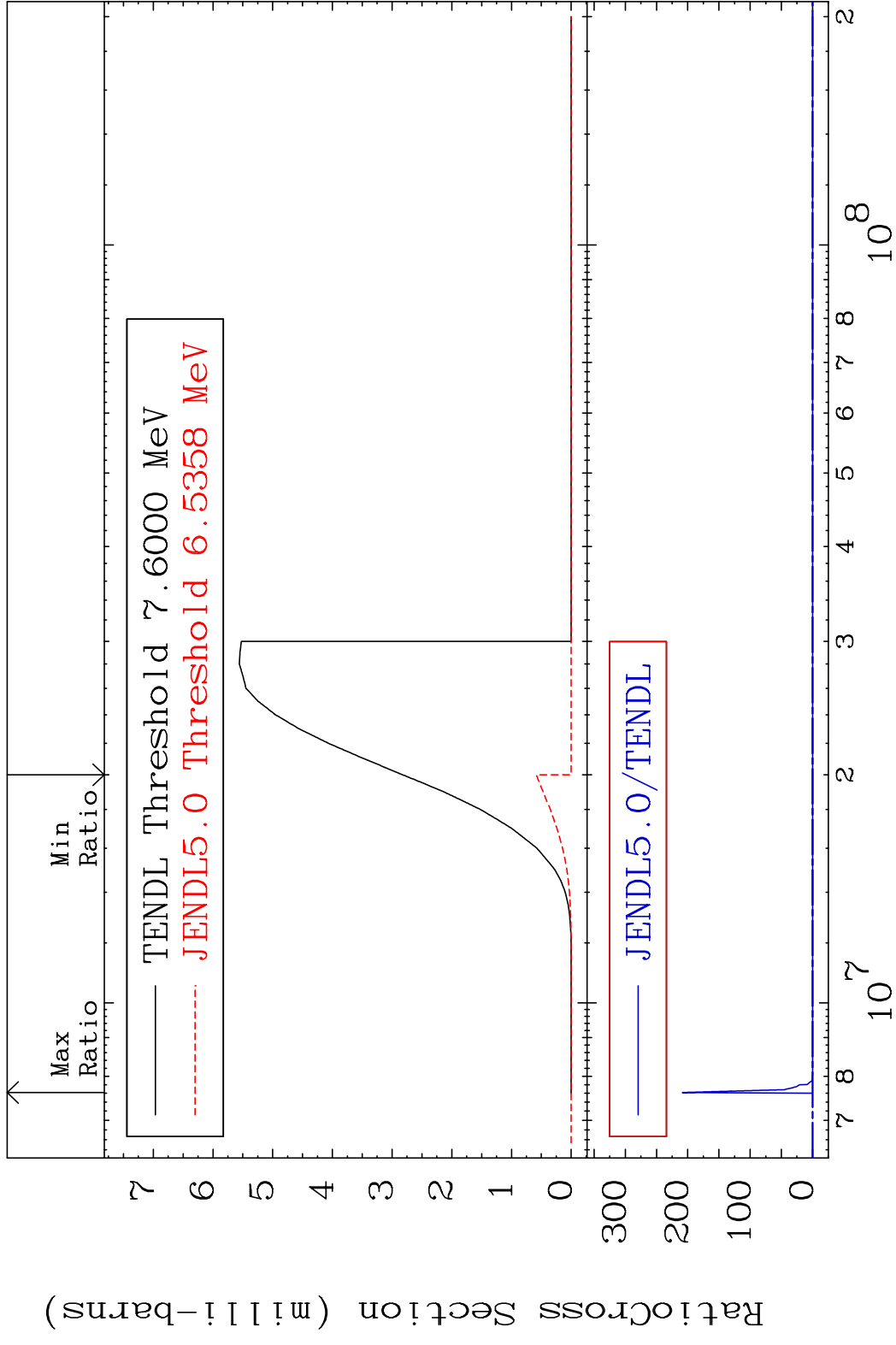




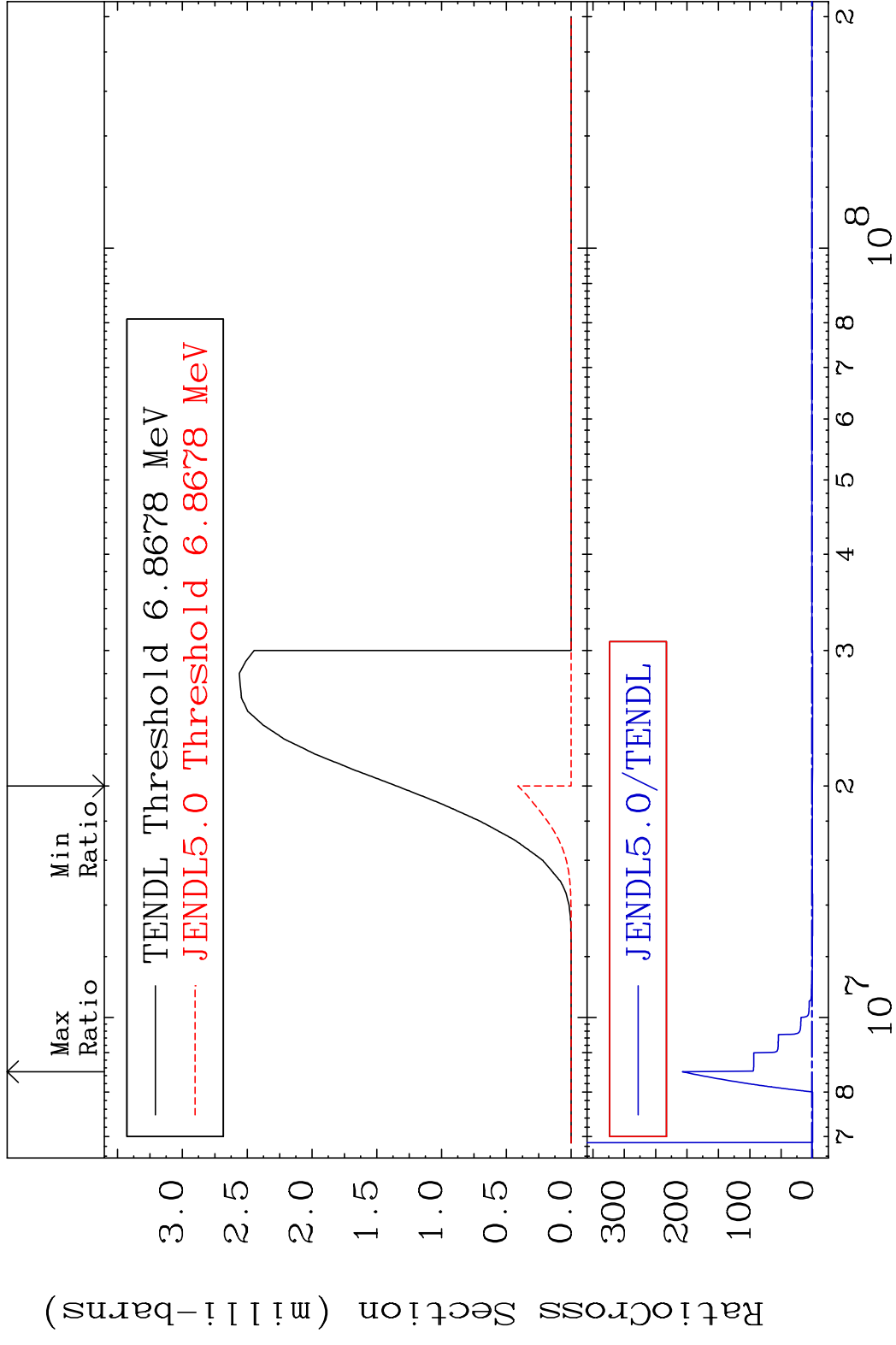
MAT 5531 (n,d):54-Xe-134g 55-Cs-135  
 Radionuclide Production Cross Section (%)



MAT 5531 (n, d):54-Xe-134m7 55-Cs-135  
 Radionuclide Production Cross Section (%)







MAT 5531 (n, t):54-Xe-133m1 55-Cs-135  
 Radionuclide Production Cross Section 6714. %

