

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

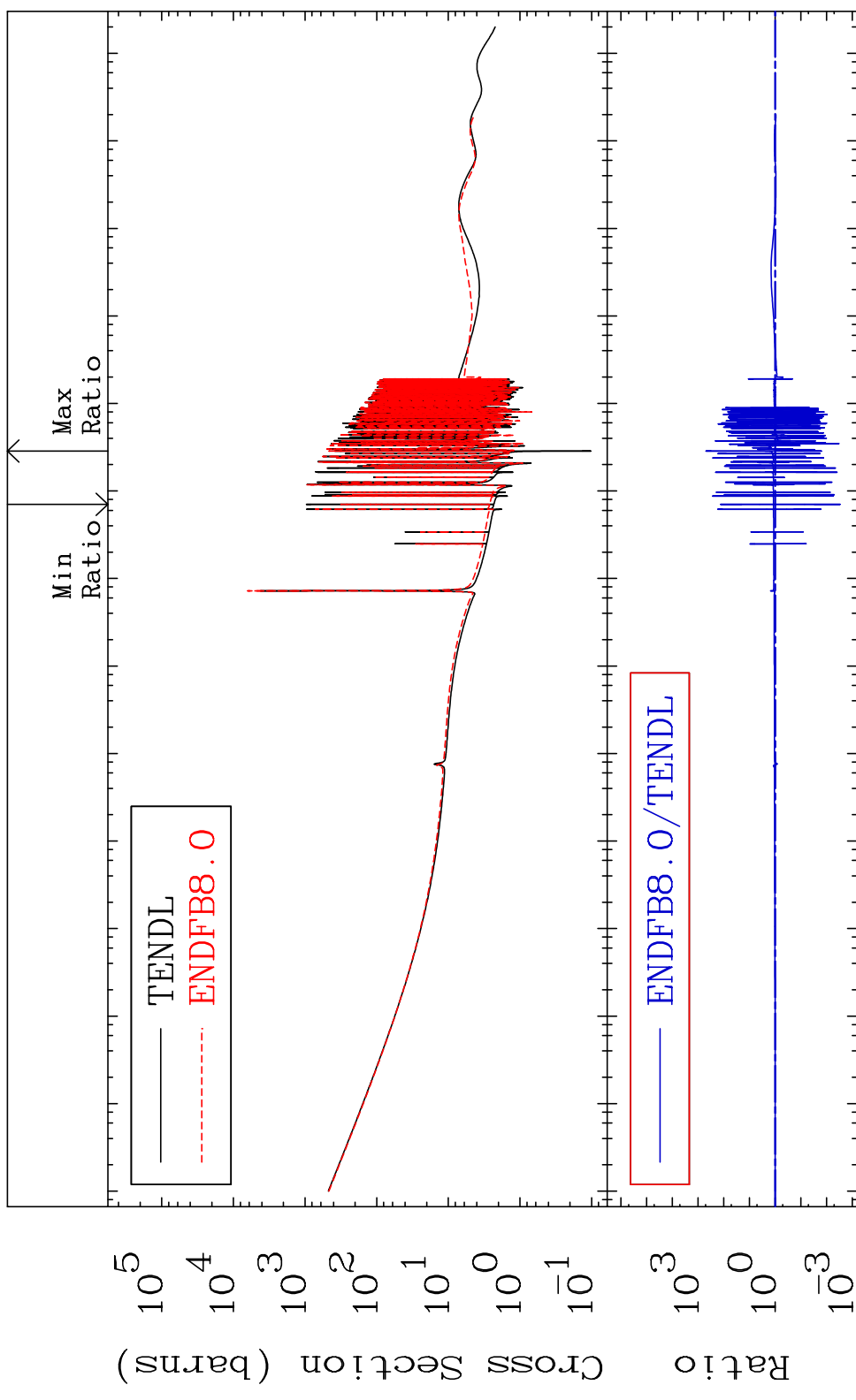
MAT 5728

Total

57-La-139

Cross Section

-99.71 To 9999. %



1

Incident Energy (eV)

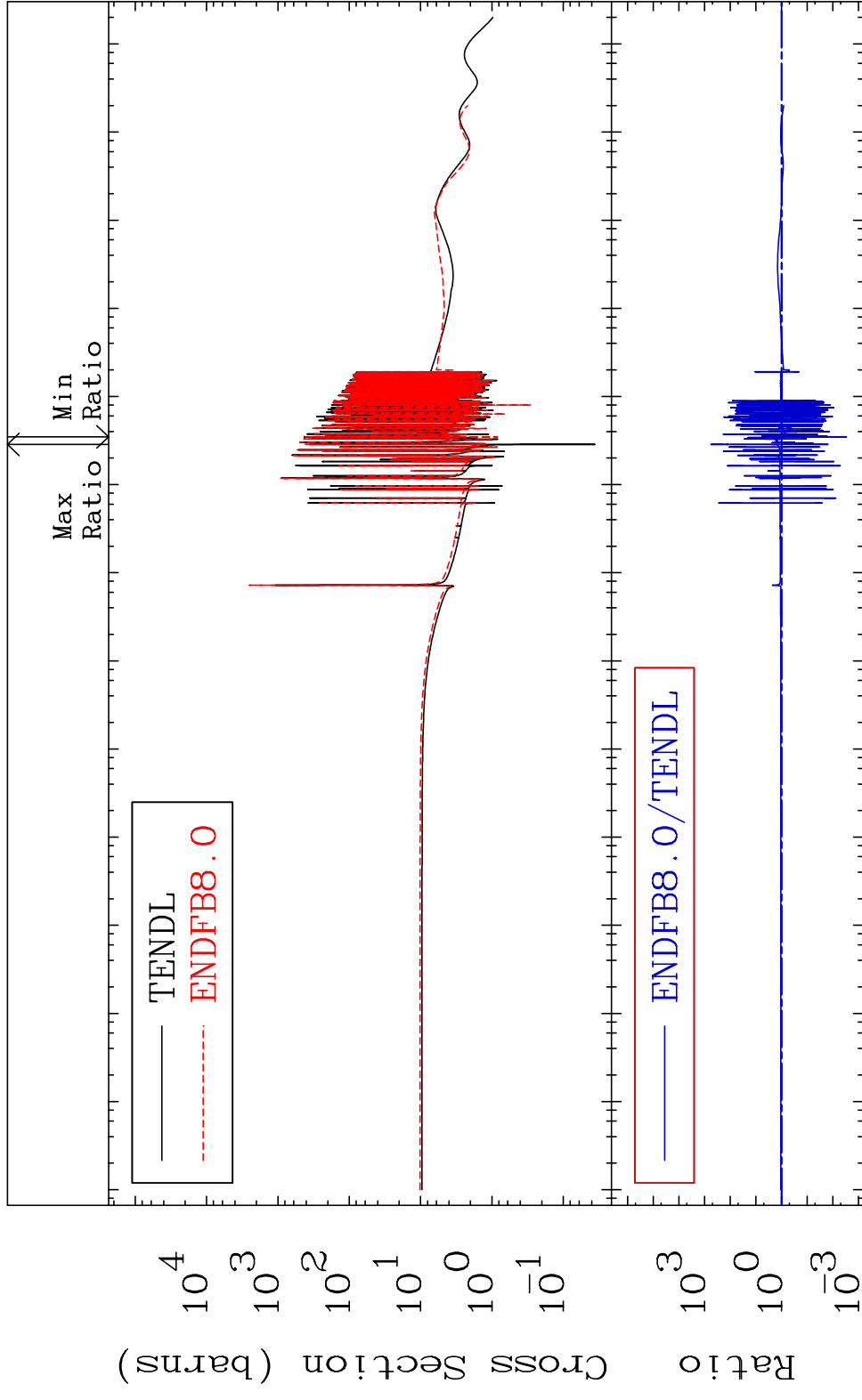
57-La-139

MAT 5728

Elastic

57-La-139

Cross Section -99.70 To 9999. %

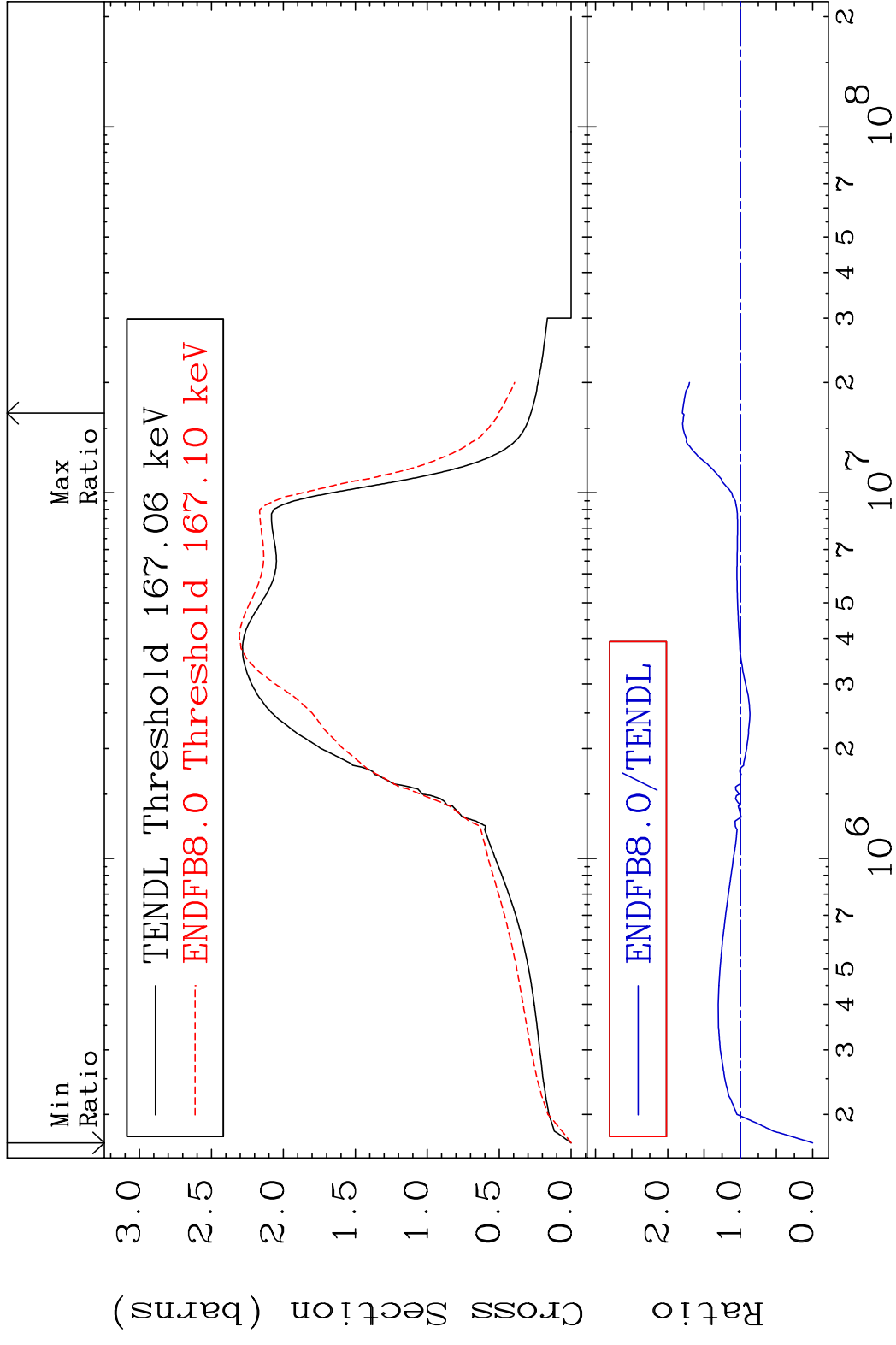


2

Incident Energy (eV)

57-La-139

MAT 5728 Inelastic 57-La-139  
 Cross Section -100.0 To 79.99 %

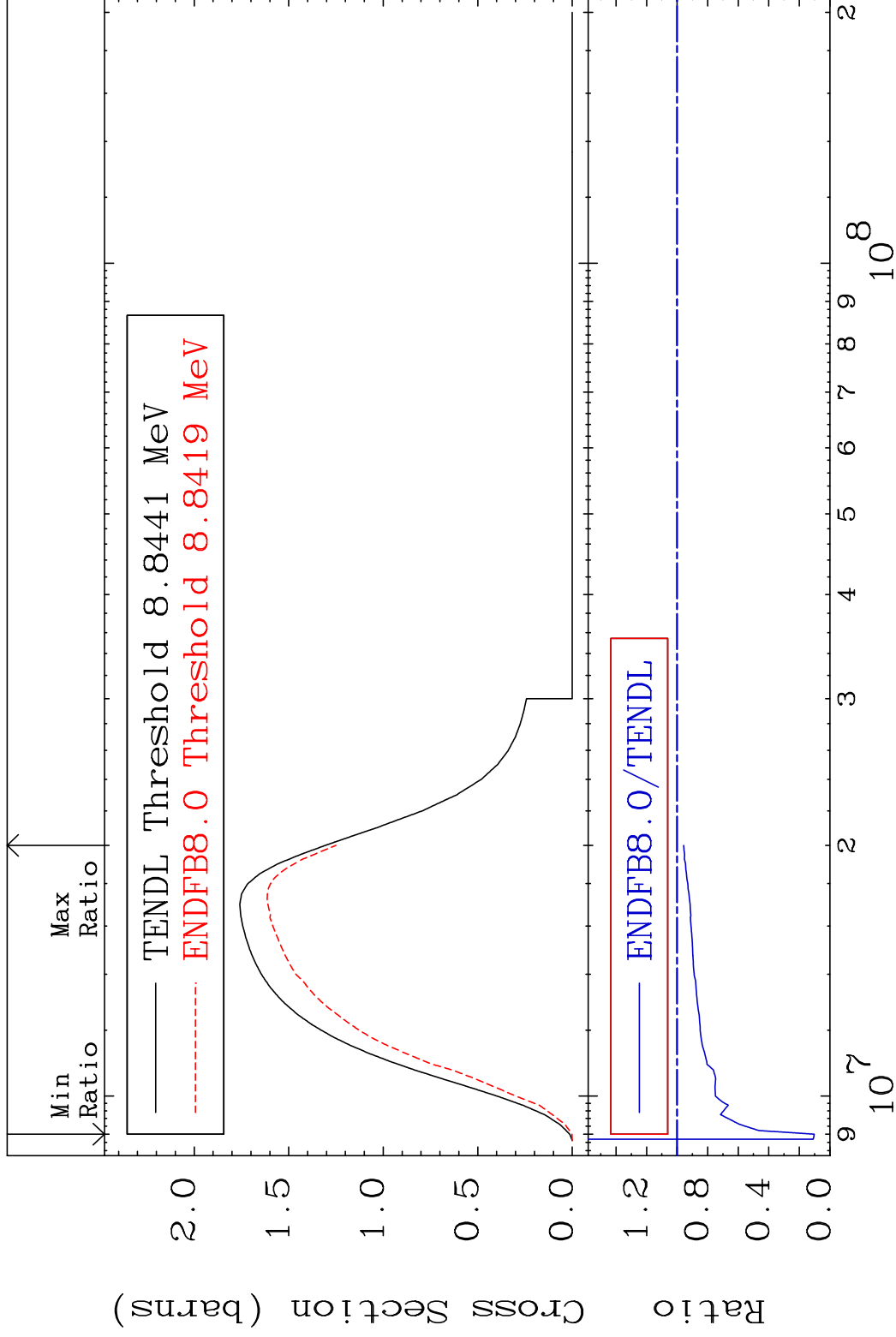


MAT 5728

(n,2n)

57-La-139

Cross Section -89.71 To -4.278%



4

Incident Energy (eV)

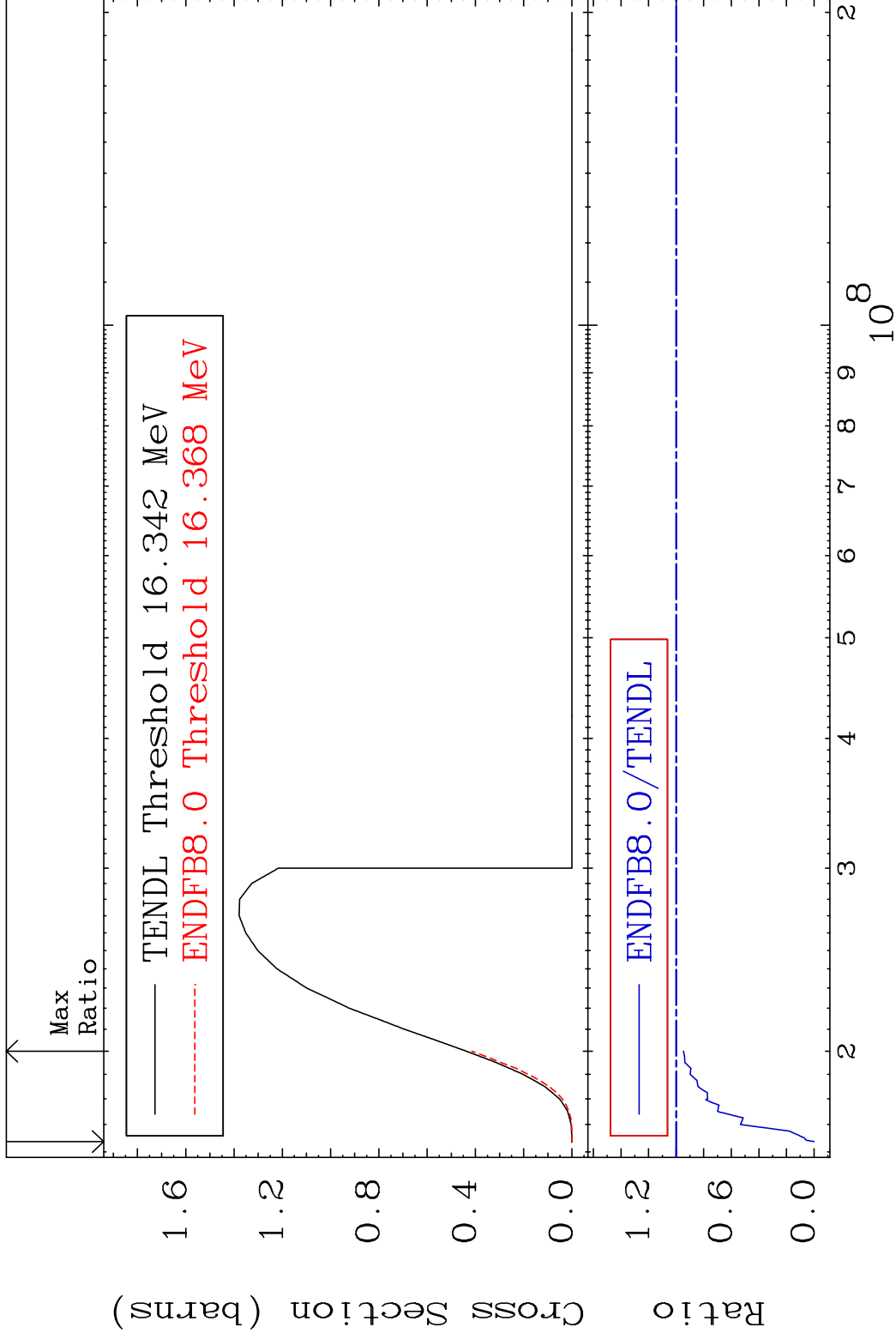
57-La-139

MAT 5728

(n,3n)

57-La-139

Cross Section -100.0 To -5.307%



5

Incident Energy (eV)

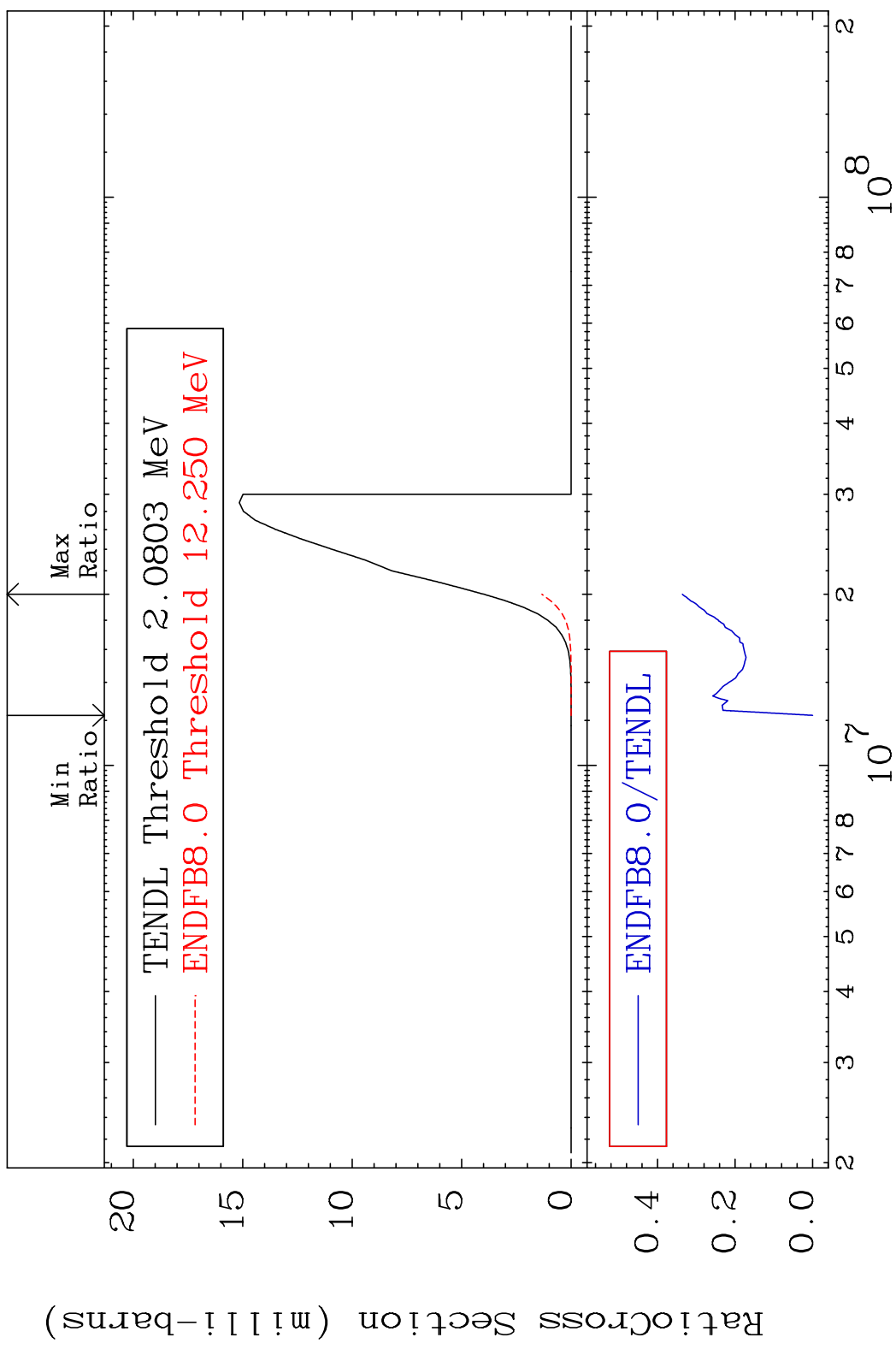
57-La-139

MAT 5728

(n, n')  $\alpha$

57-La-139

Cross Section -100.0 To -66.39%



6

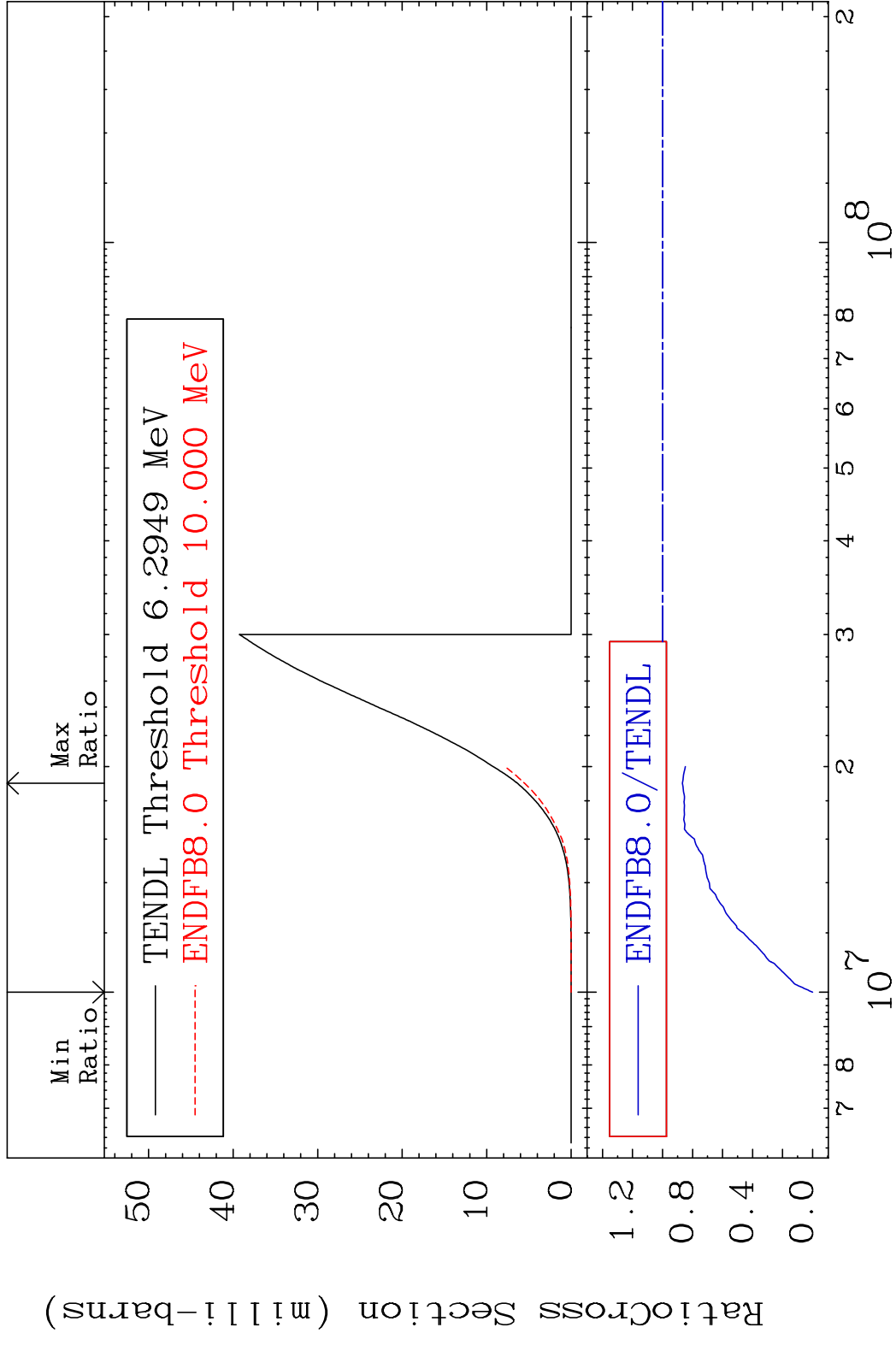
Incident Energy (eV)

57-La-139

MAT 5728

(n, n') p 57-La-139

Cross Section -100.0 To -13.20%



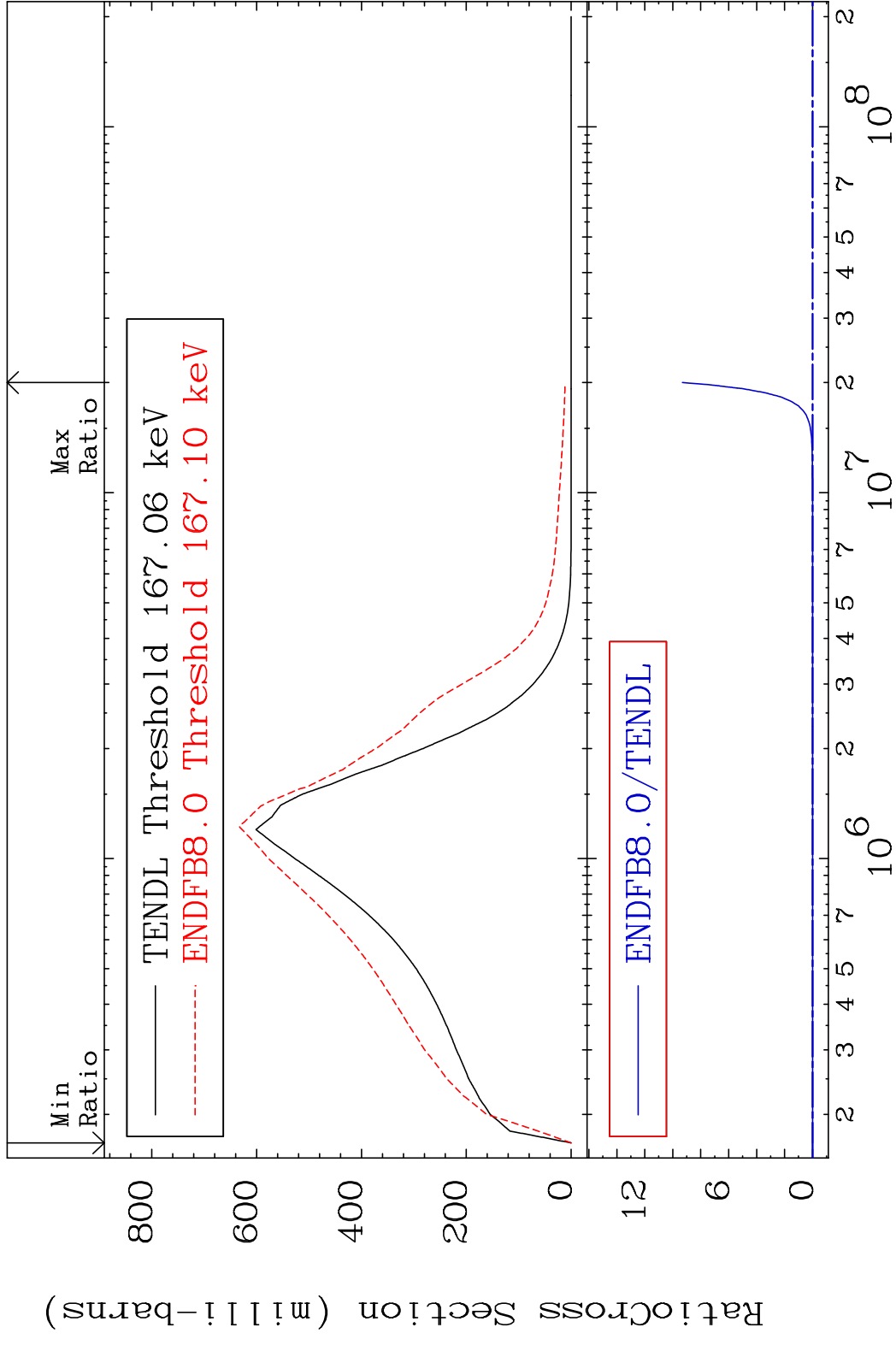
7

Incident Energy (eV)

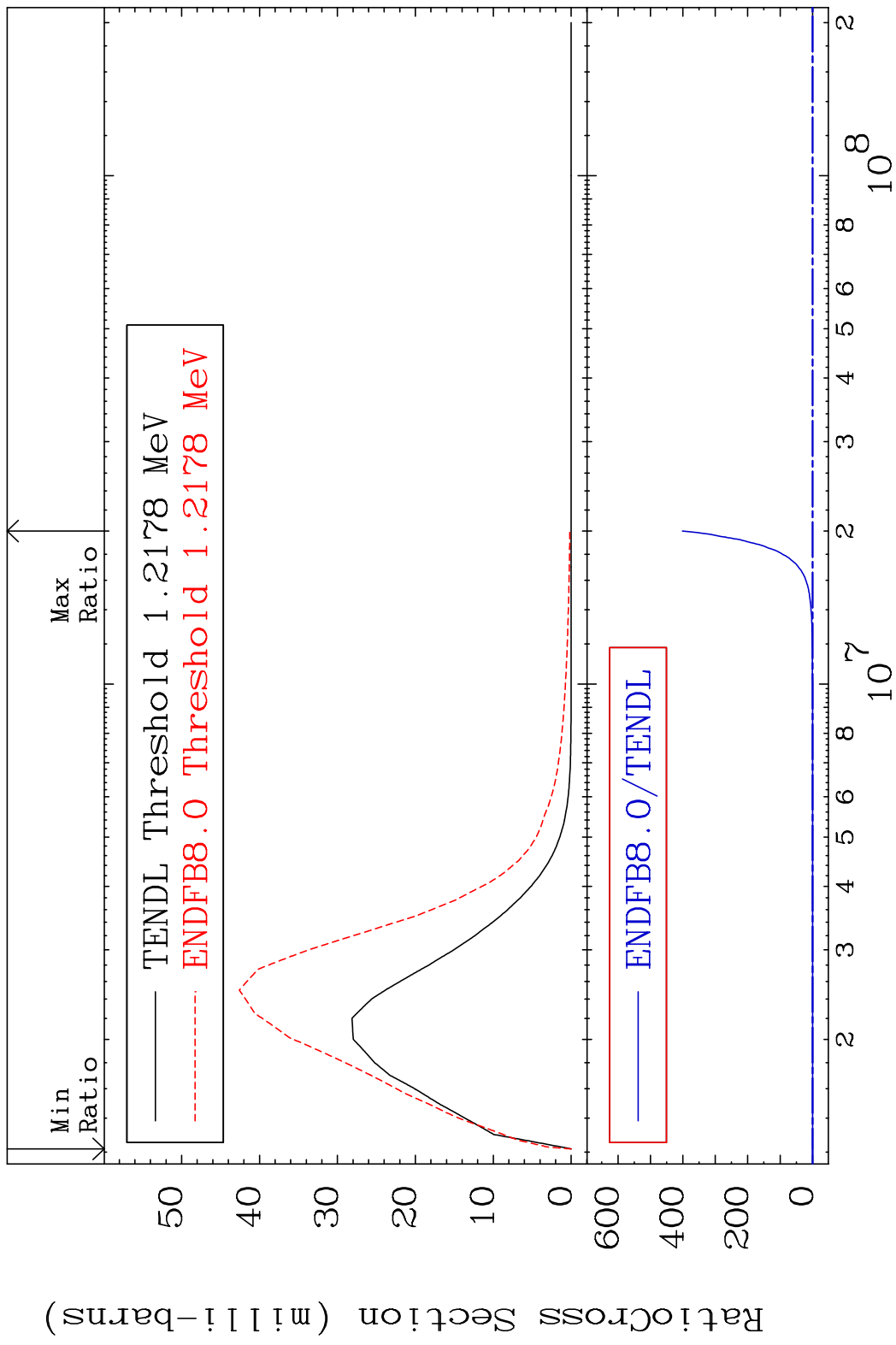
57-La-139



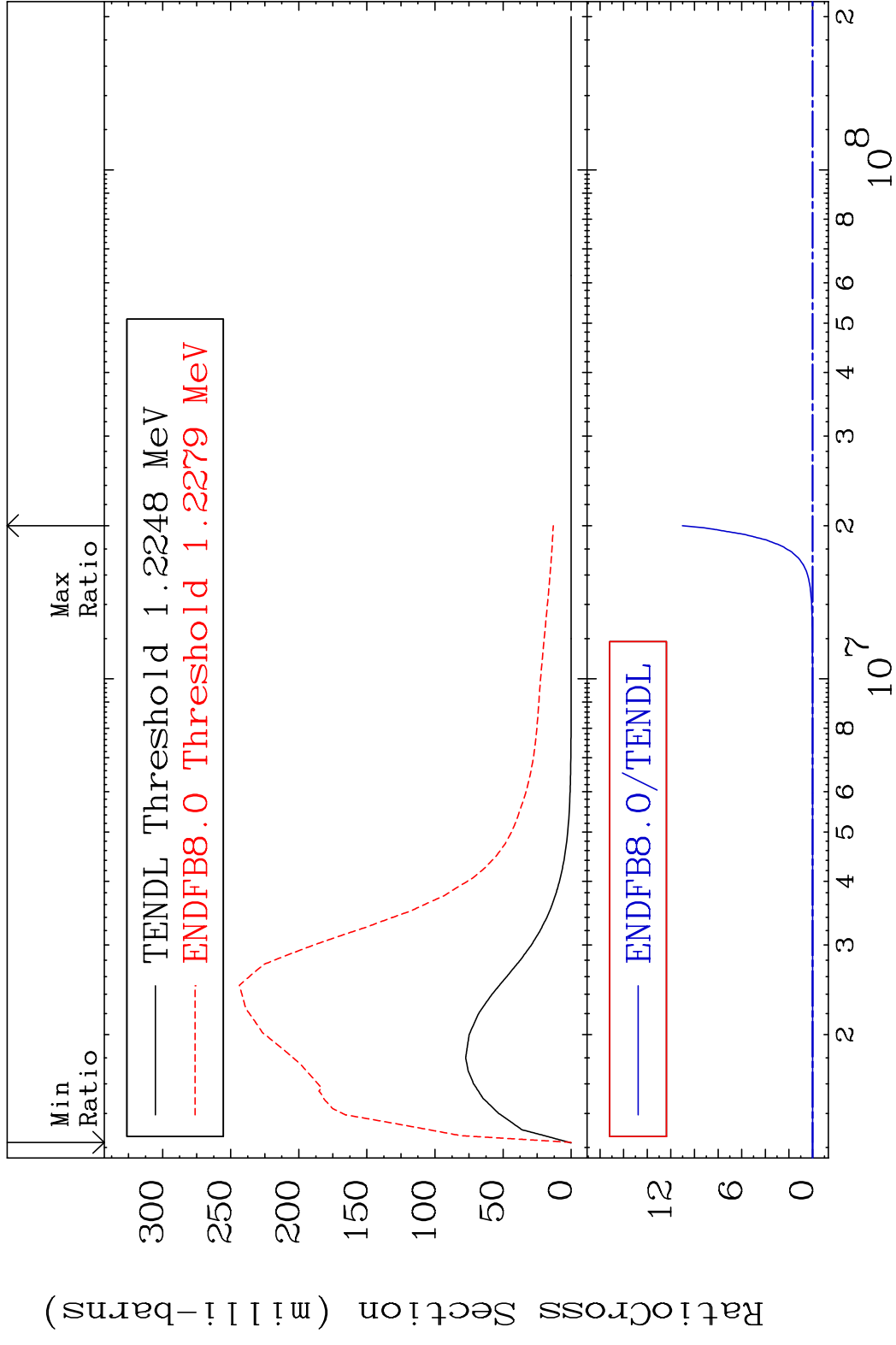
MAT 5728 MT= 51 (n, n') Level 57-La-139  
 Cross Section -100.0 To 9999. %



MAT 5728 MT= 52 (n, n') Level 57-La-139  
 Cross Section -100.0 To 9999. %

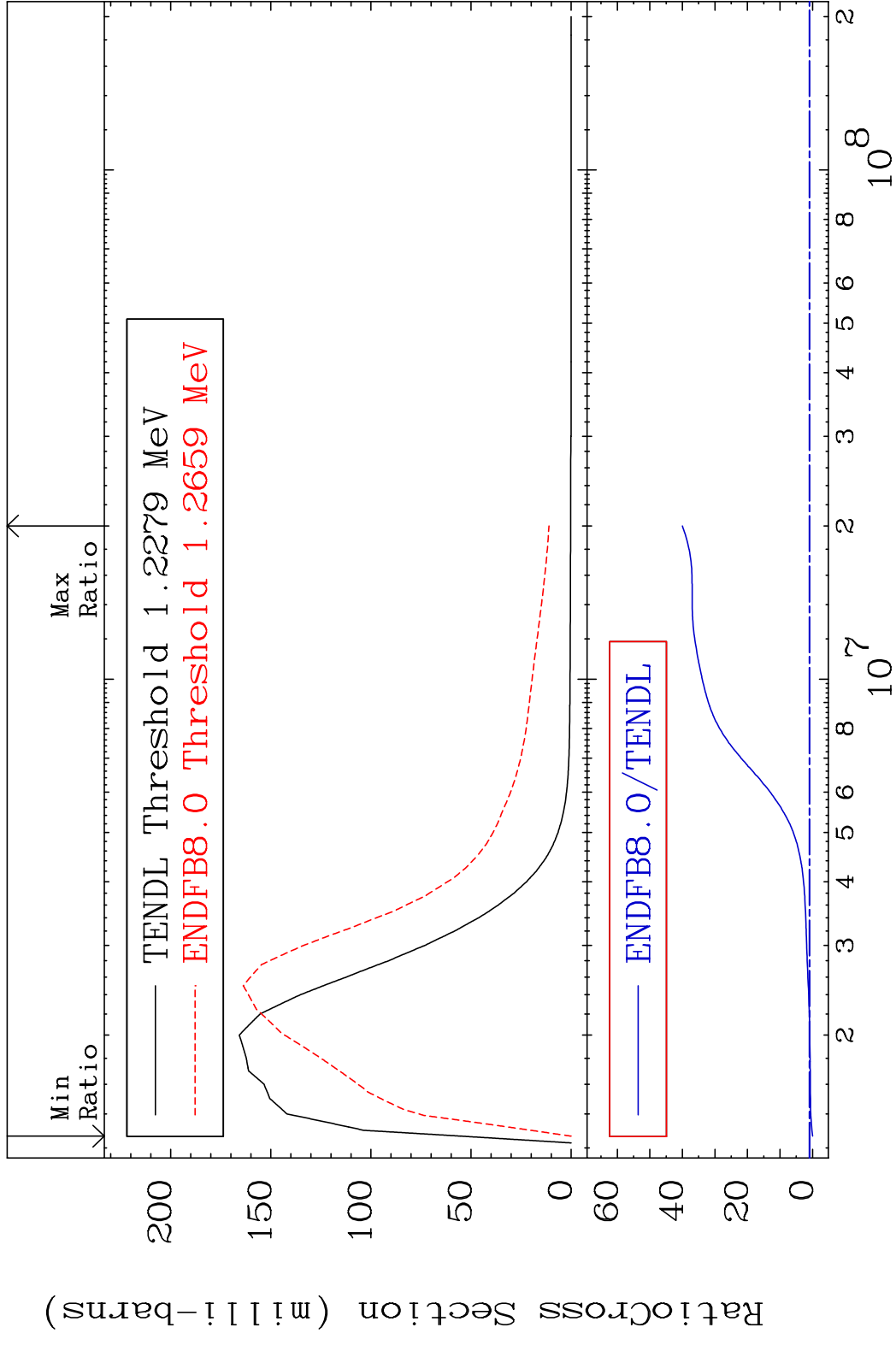


MAT 5728 MT= 53 (n, n') Level 57-La-139  
 Cross Section -100.0 To 9999. %

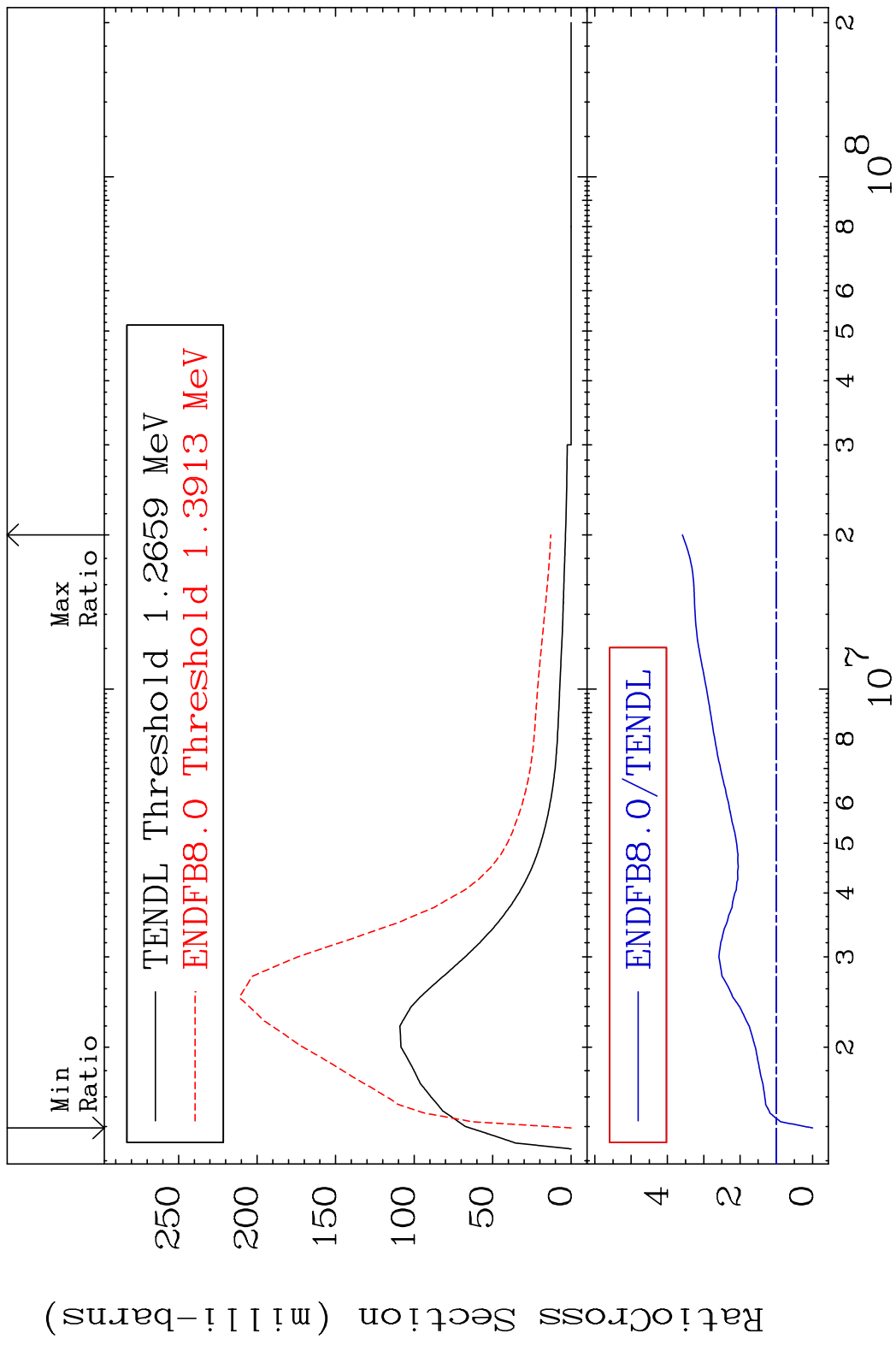


10 Incident Energy (eV) 57-La-139

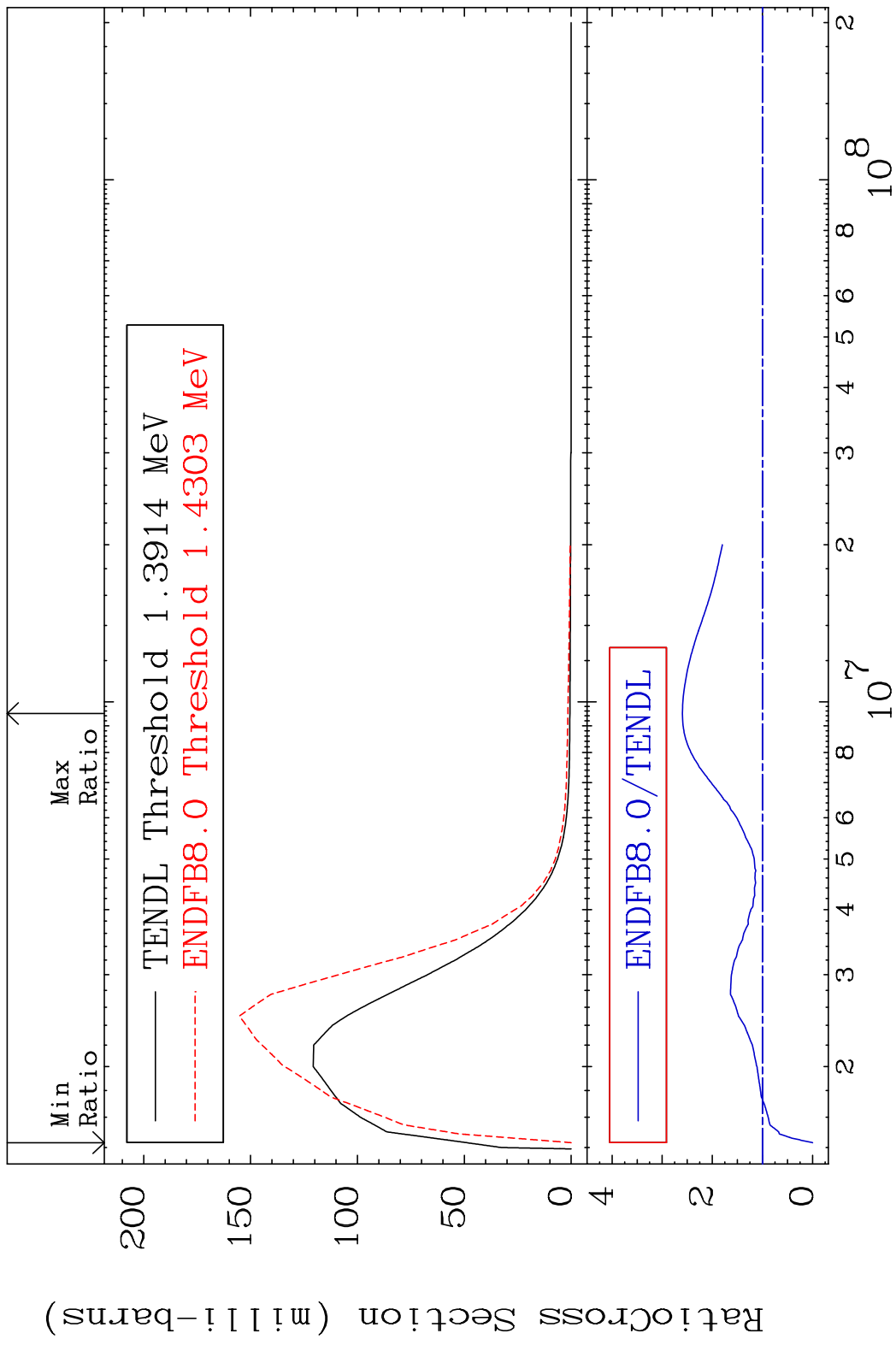
MAT 5728 MT= 54 (n, n') Level 57-La-139  
 Cross Section -100.0 To 3902. %



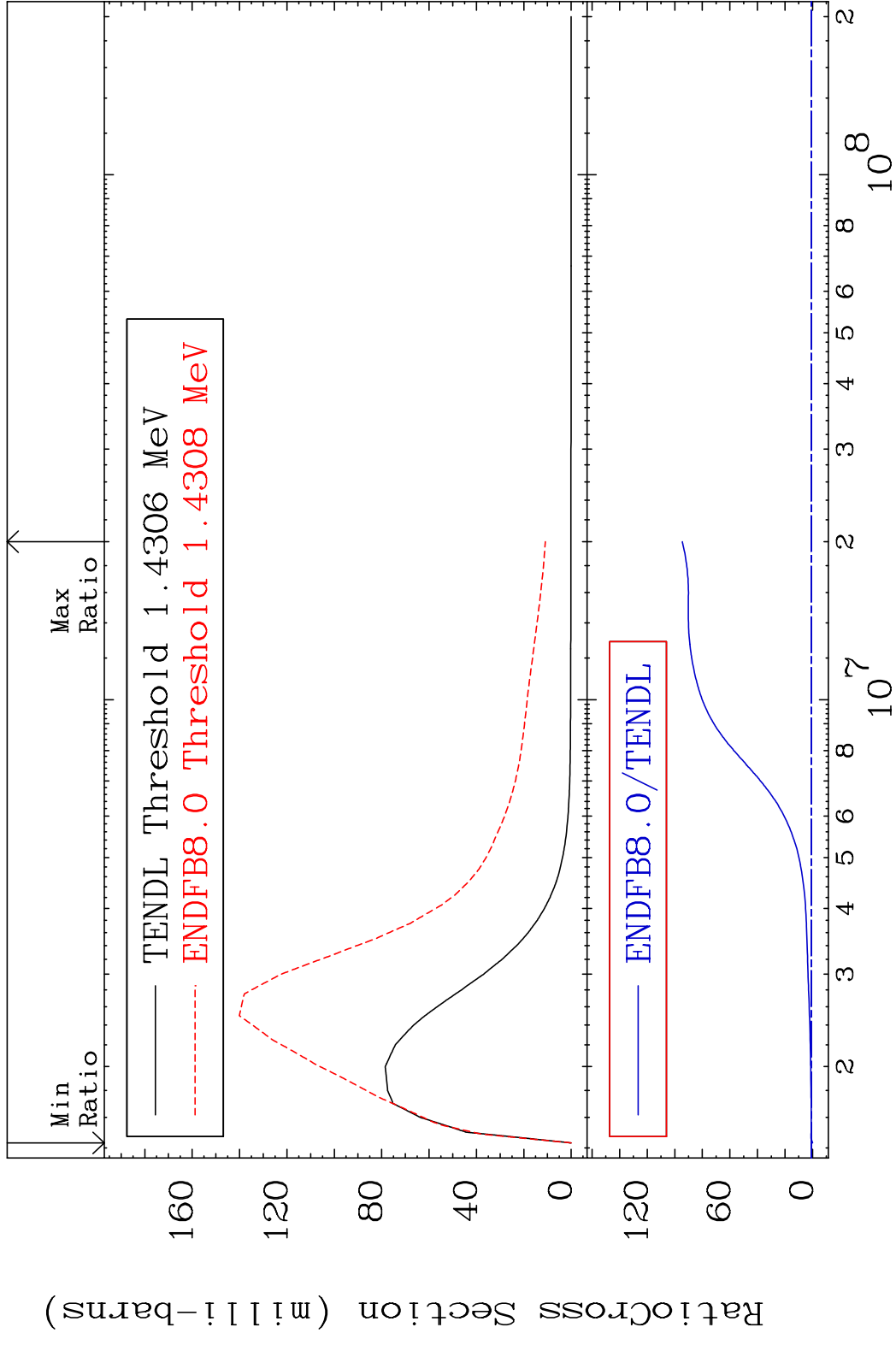
MAT 5728 MT= 55 (n, n') Level 57-La-139  
 Cross Section -100.0 To 258.9 %



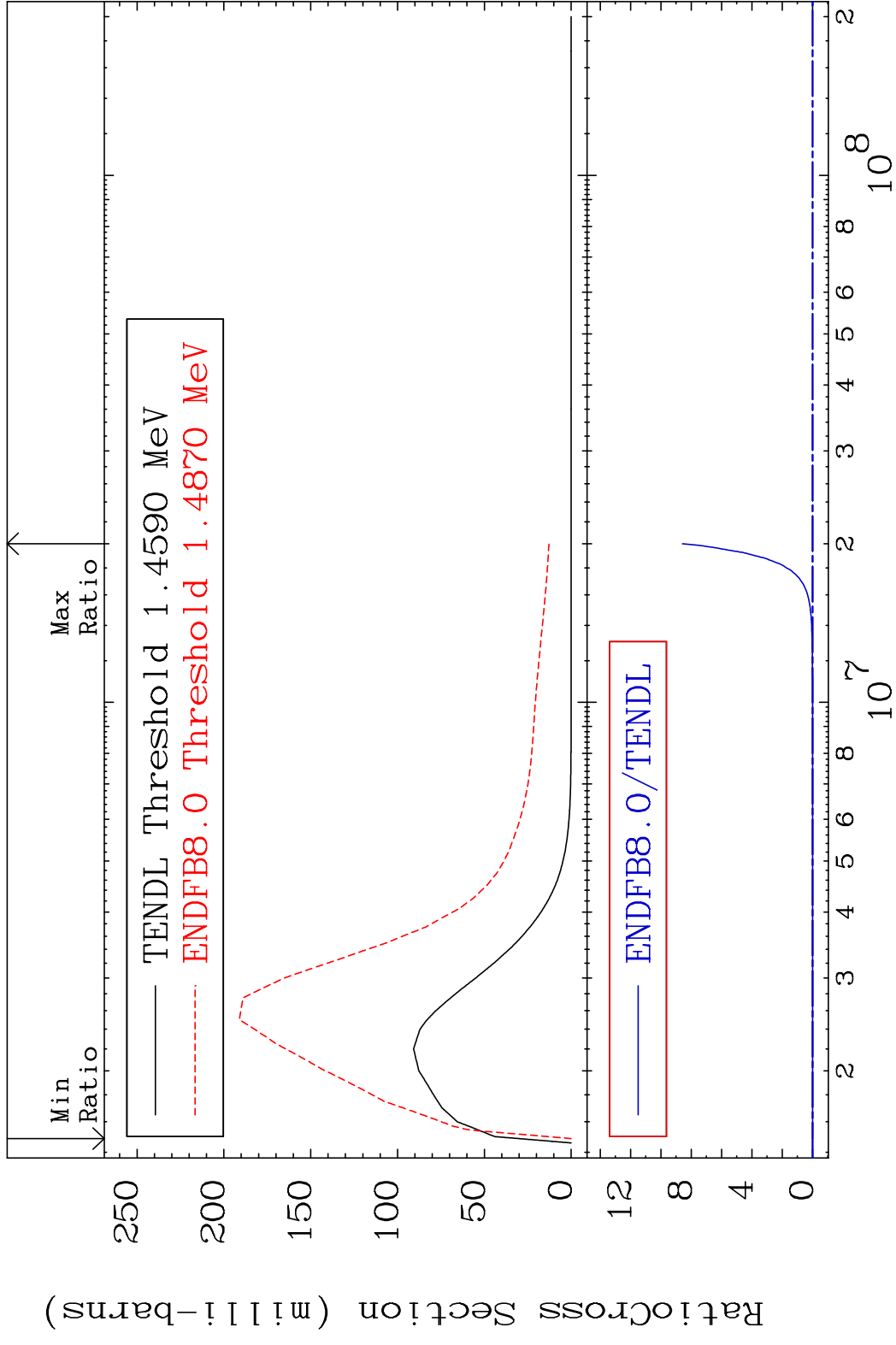
MAT 5728 MT= 56 (n,n') Level 57-La-139  
 Cross Section -100.0 To 159.8 %



MAT 5728 MT= 57 (n,n') Level 57-La-139  
 Cross Section -100.0 To 9349. %

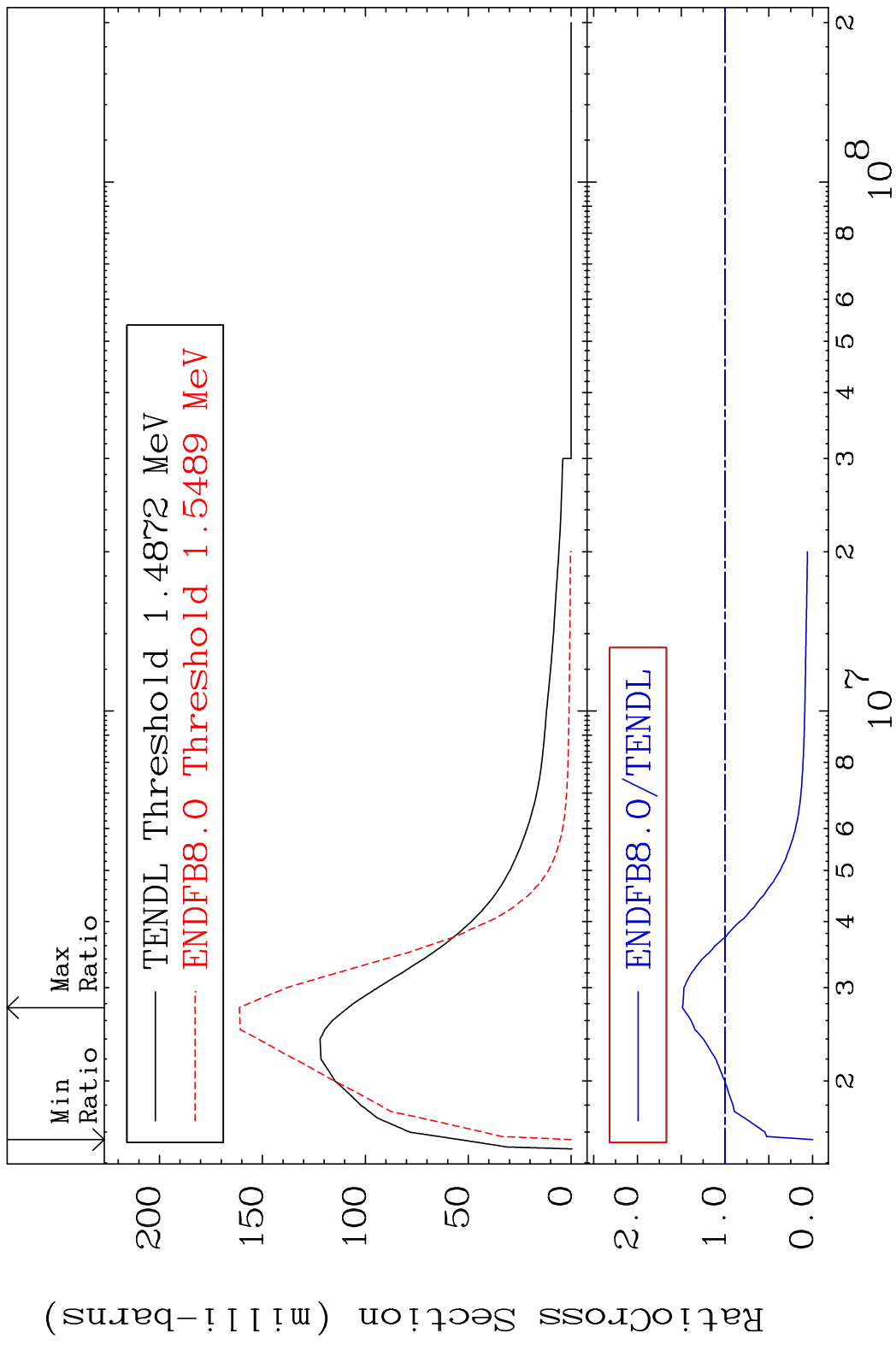


MAT 5728 MT= 58 (n, n') Level 57-La-139  
 Cross Section -100.0 To 9999. %

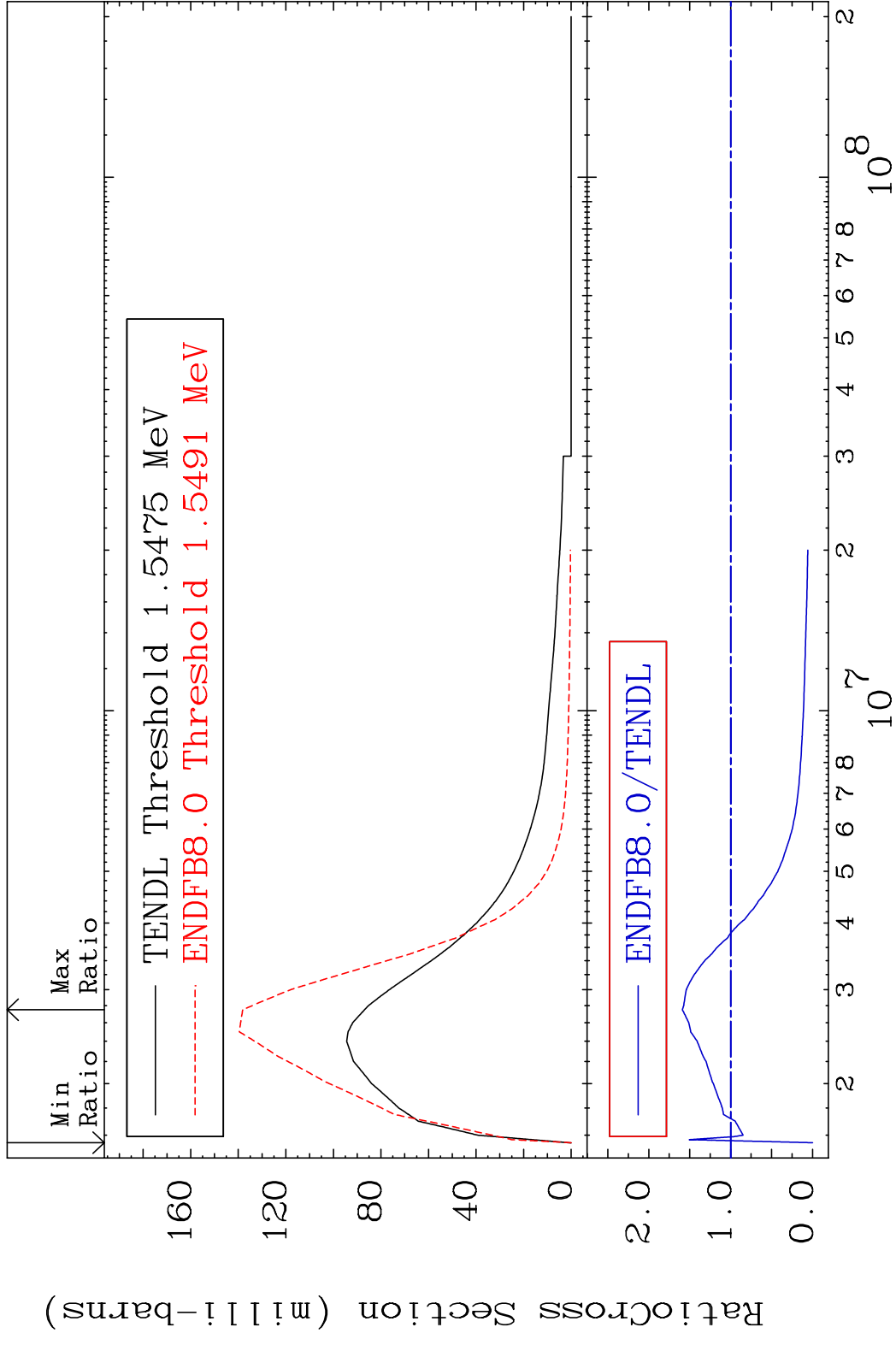




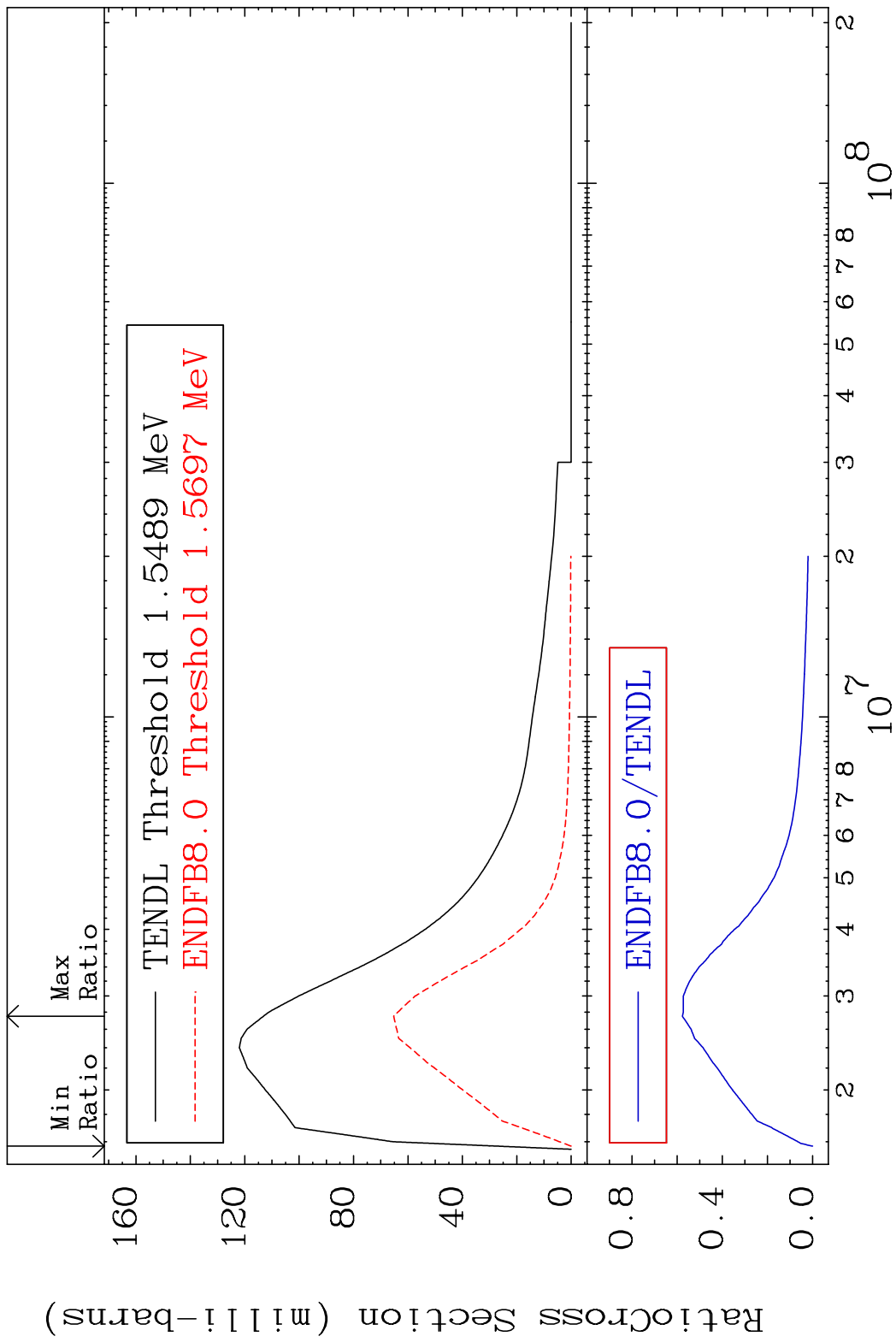
MAT 5728 MT= 59 (n, n') Level 57-La-139  
 Cross Section -100.0 To 48.77 %



MAT 5728 MT= 60 (n,n') Level 57-La-139  
 Cross Section -100.0 To 58.99 %



MAT 5728 MT= 61 (n,n') Level 57-La-139  
 Cross Section -100.0 To -42.30%

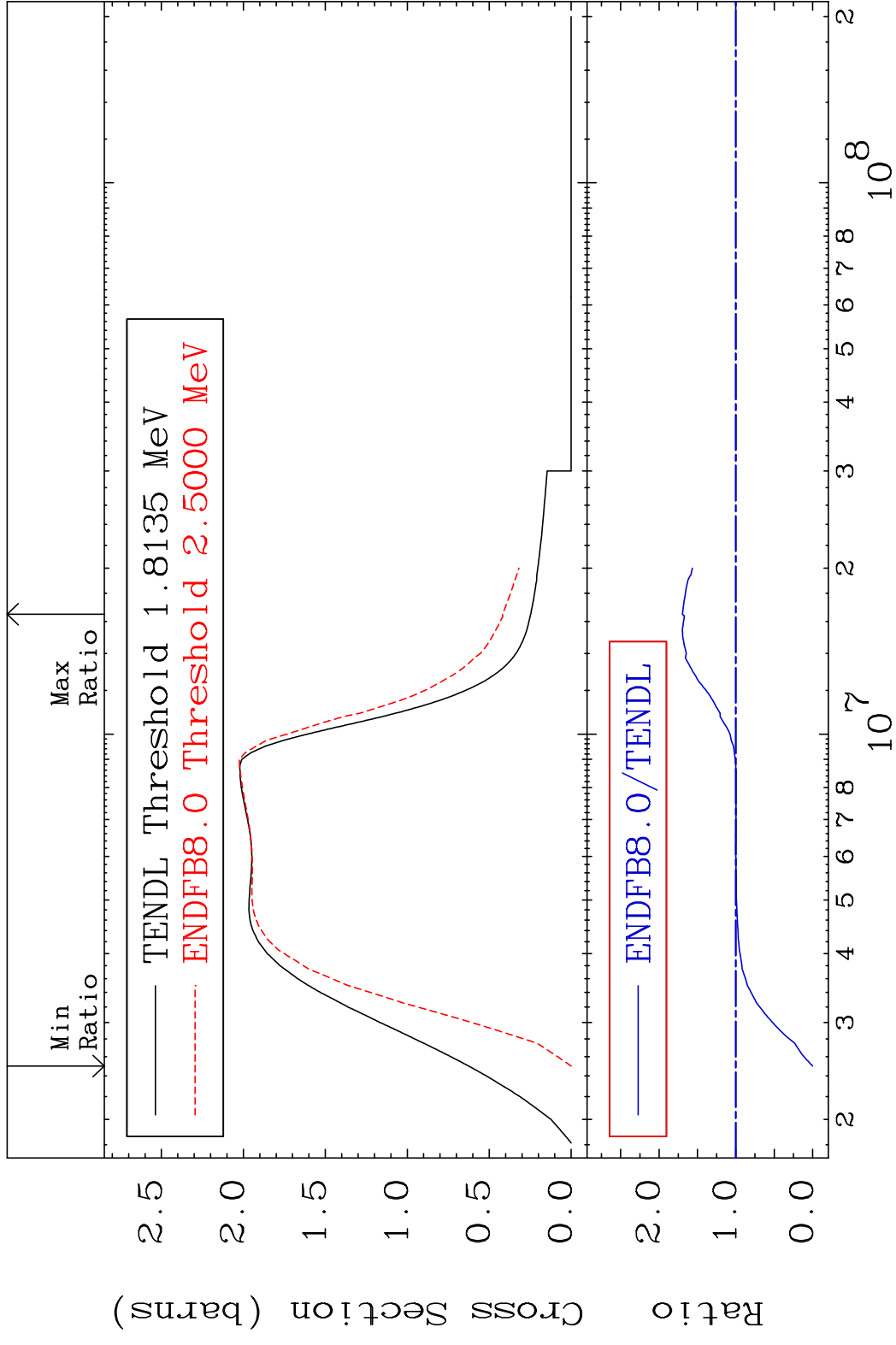


MAT 5728

(n, n') Continuum

57-La-139

Cross Section -100.0 To 69.65 %

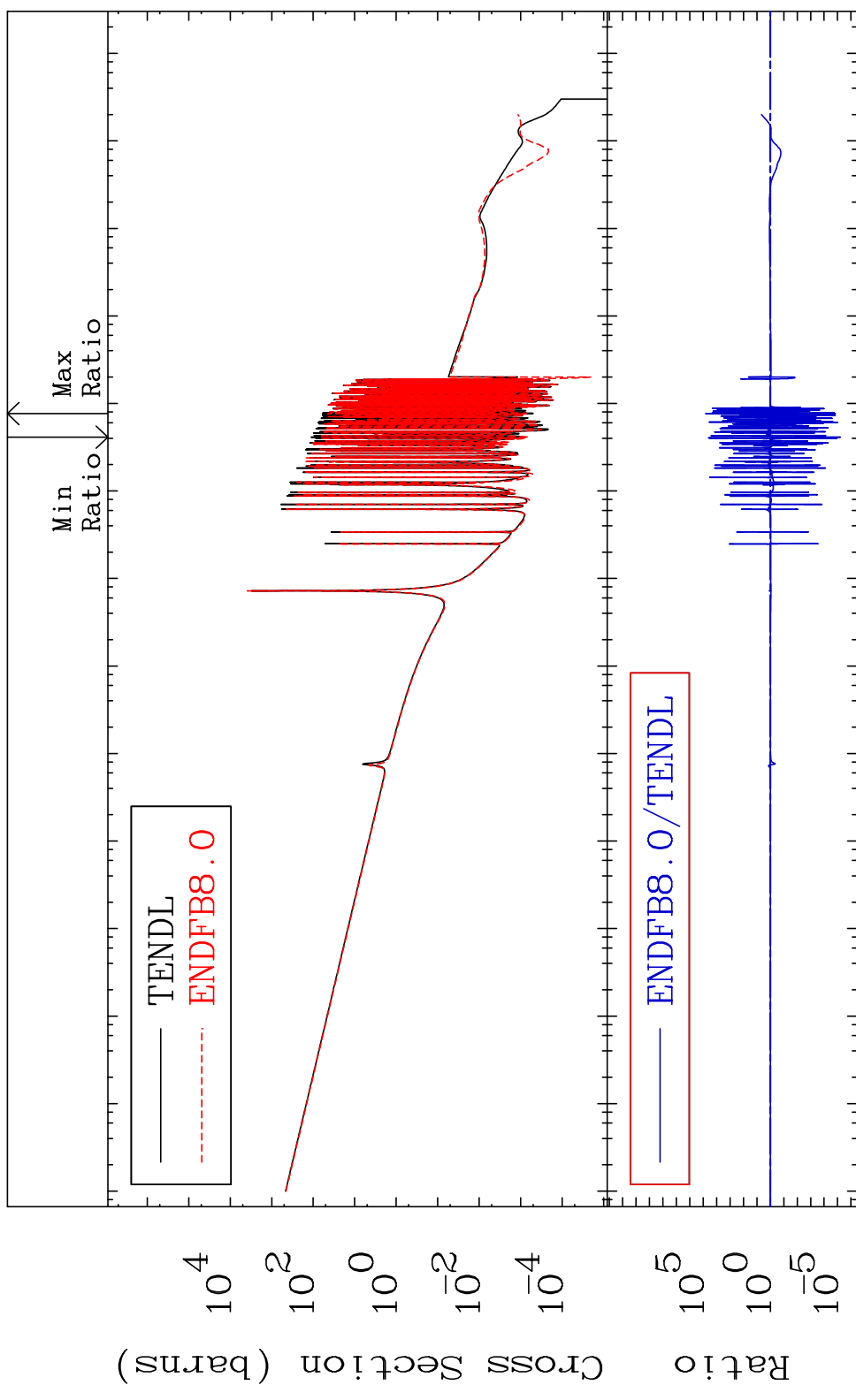


MAT 5728

(n,  $\gamma$ )

57-La-139

Cross Section -100.0 To 9999. %

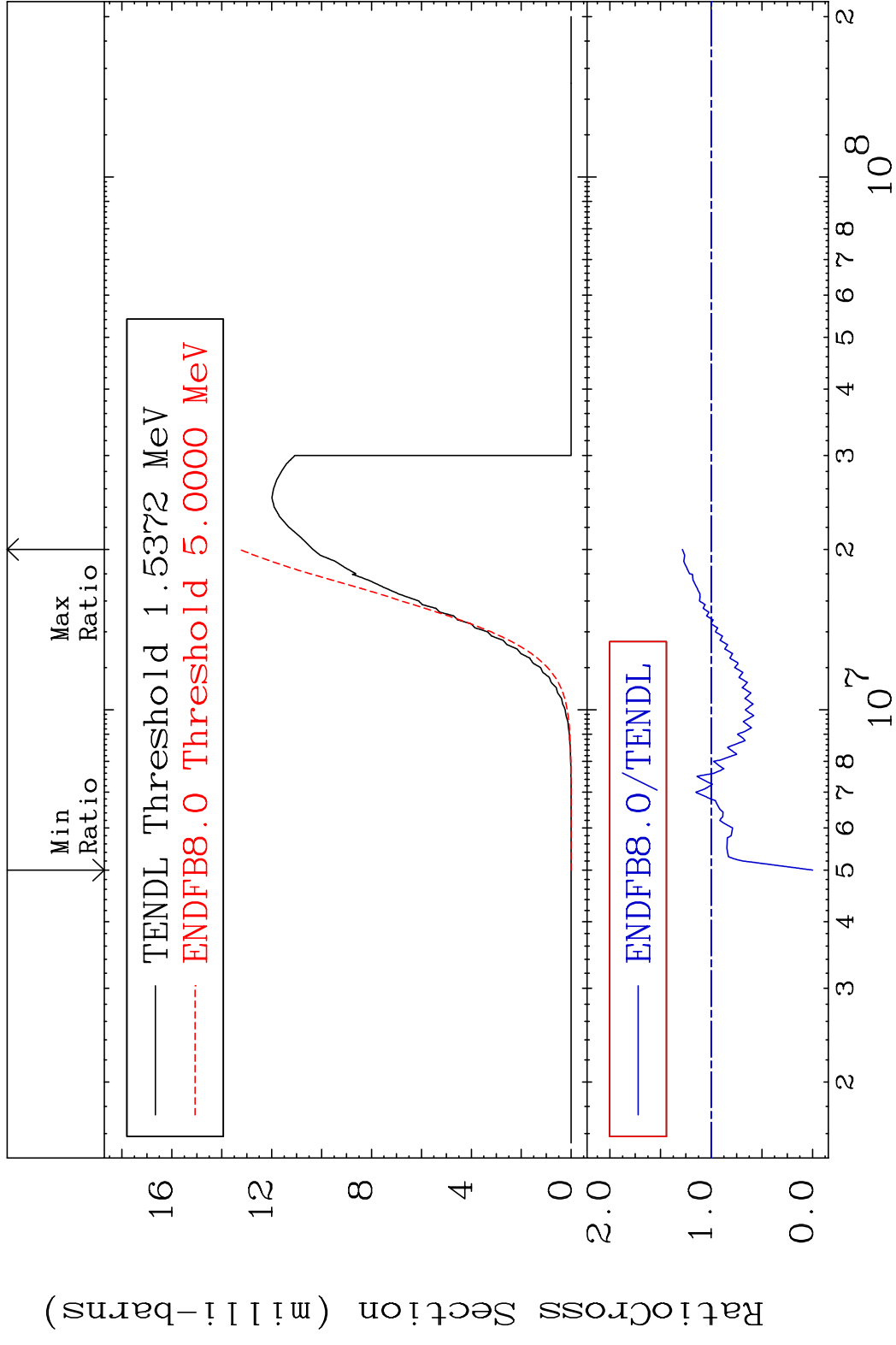


20

Incident Energy (eV)

57-La-139

MAT 5728 (n,p) 57-La-139  
 Cross Section -100.0 To 28.50 %

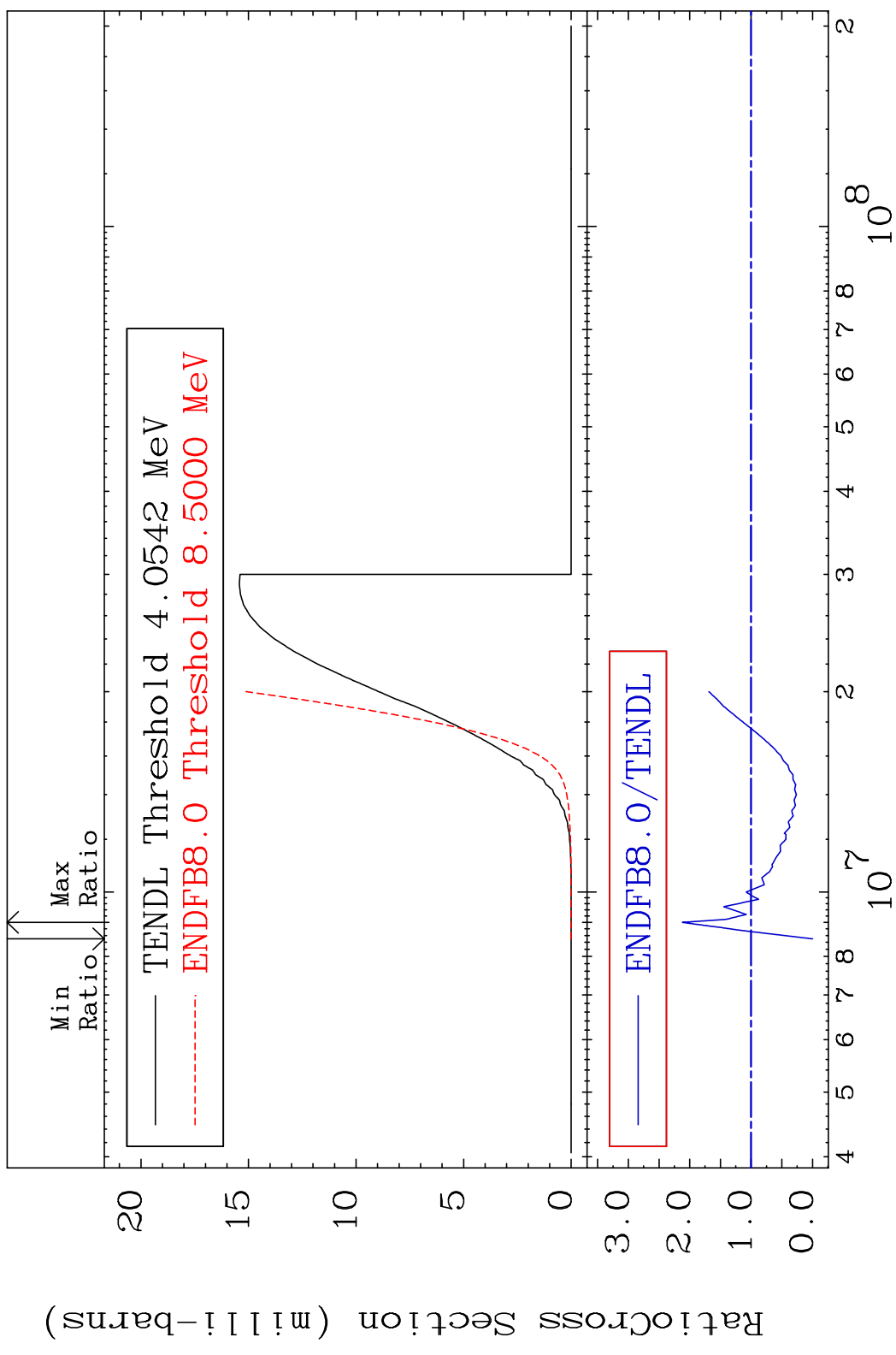


MAT 5728

(n,d)

57-La-139

Cross Section -100.0 To 112.0 %

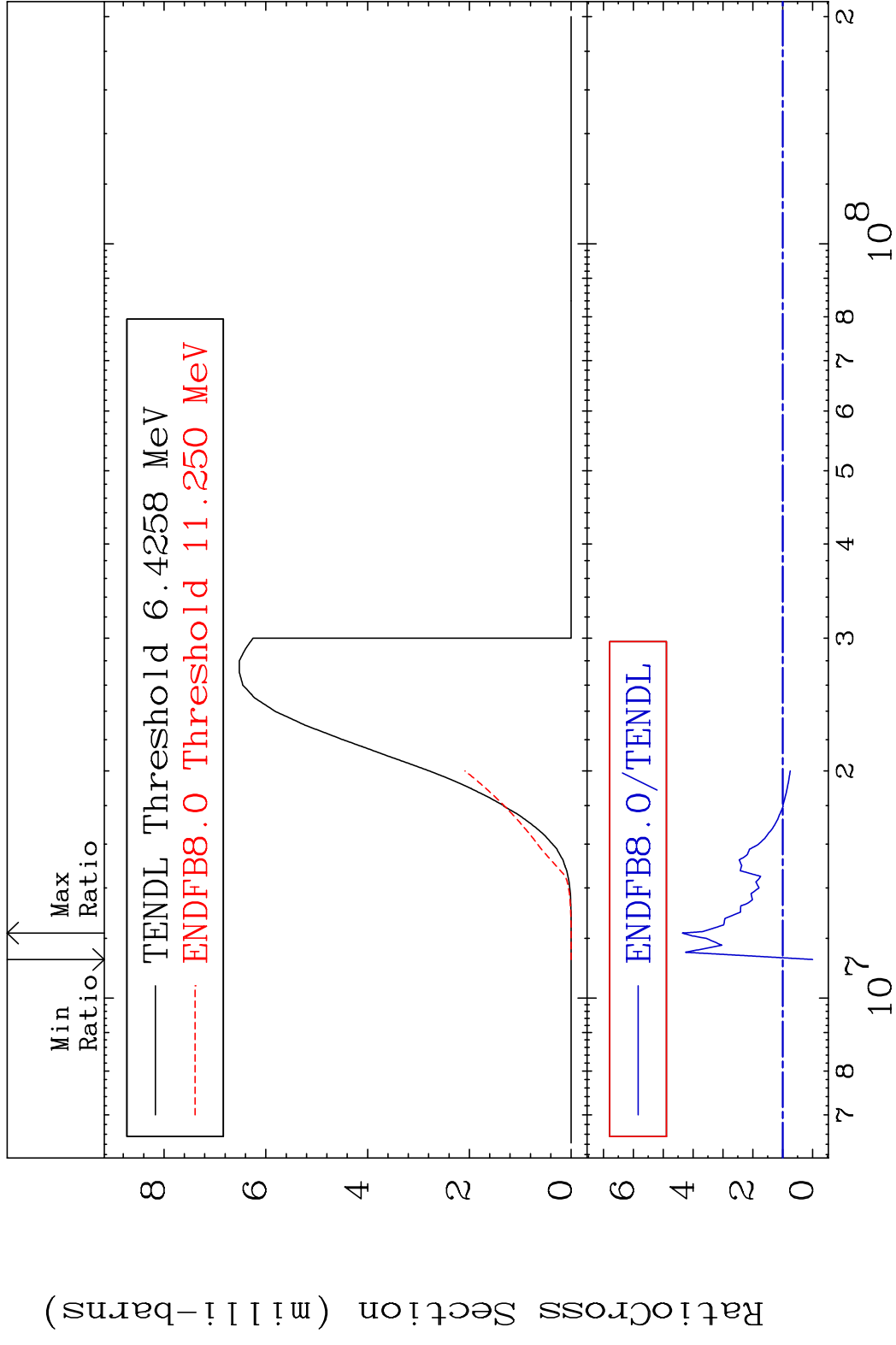


MAT 5728

(n, t)

57-La-139

Cross Section -100.0 To 335.8 %



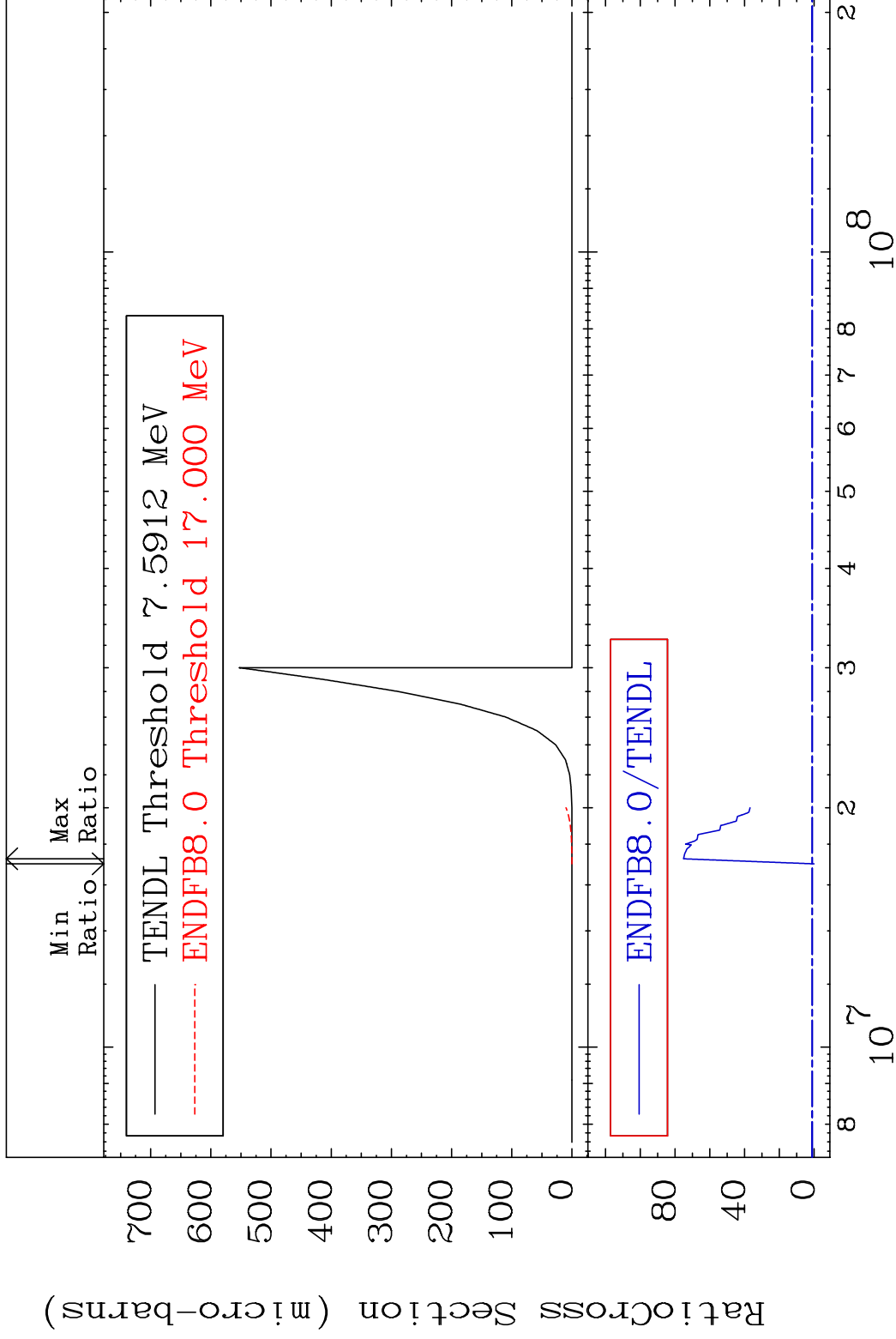


MAT 5728

(n, He-3)

57-La-139

Cross Section -100.0 To 7412. %



24

Incident Energy (eV)

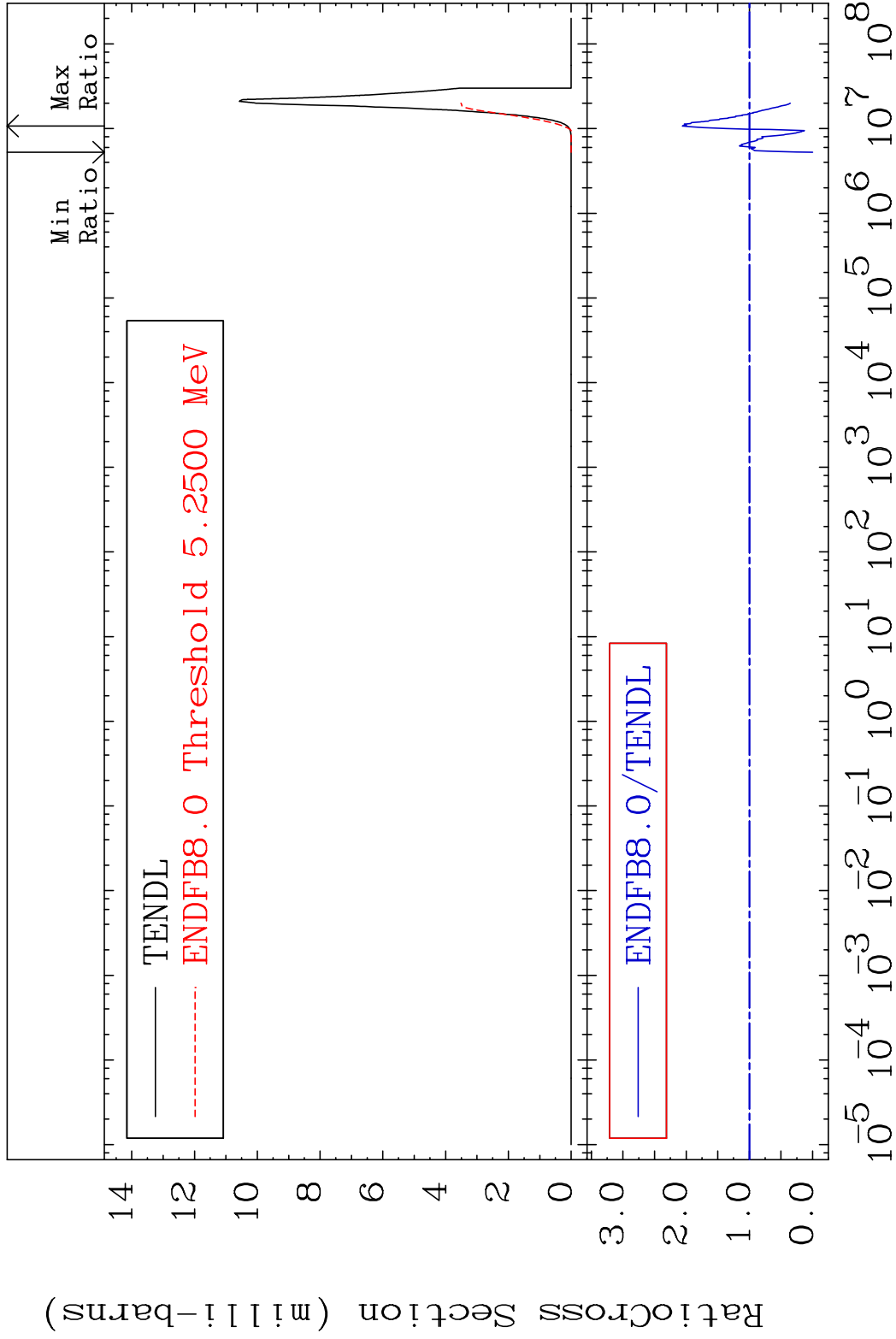
57-La-139

MAT 5728

(n,  $\alpha$ )

57-La-139

Cross Section -100.0 To 106.0 %



25

Incident Energy (eV)

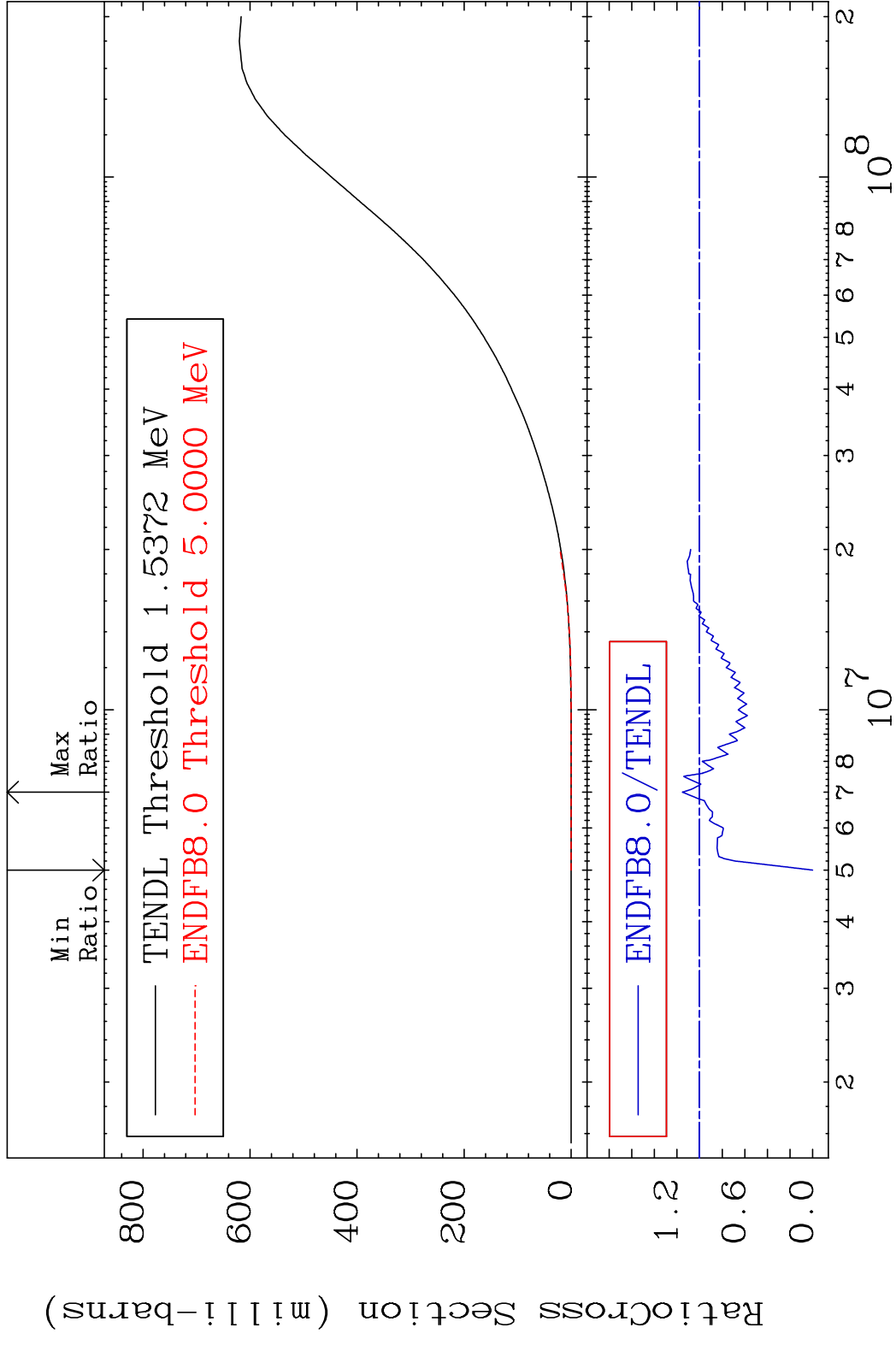
57-La-139

MAT 5728

Hydrogen Production

57-La-139

Cross Section -100.0 To 15.26 %

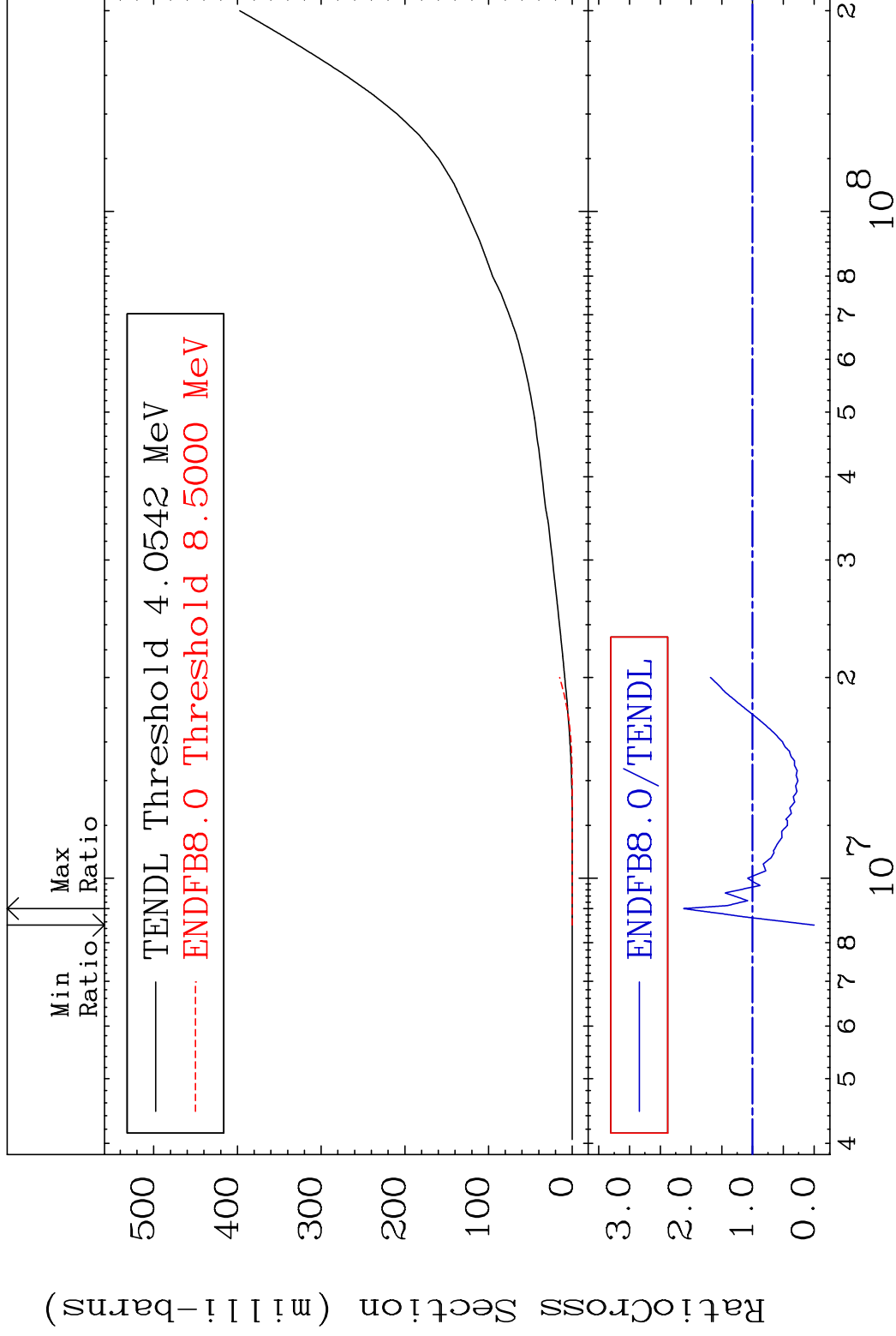


MAT 5728

Deuterium Production

57-La-139

Cross Section -100.0 To 112.0 %



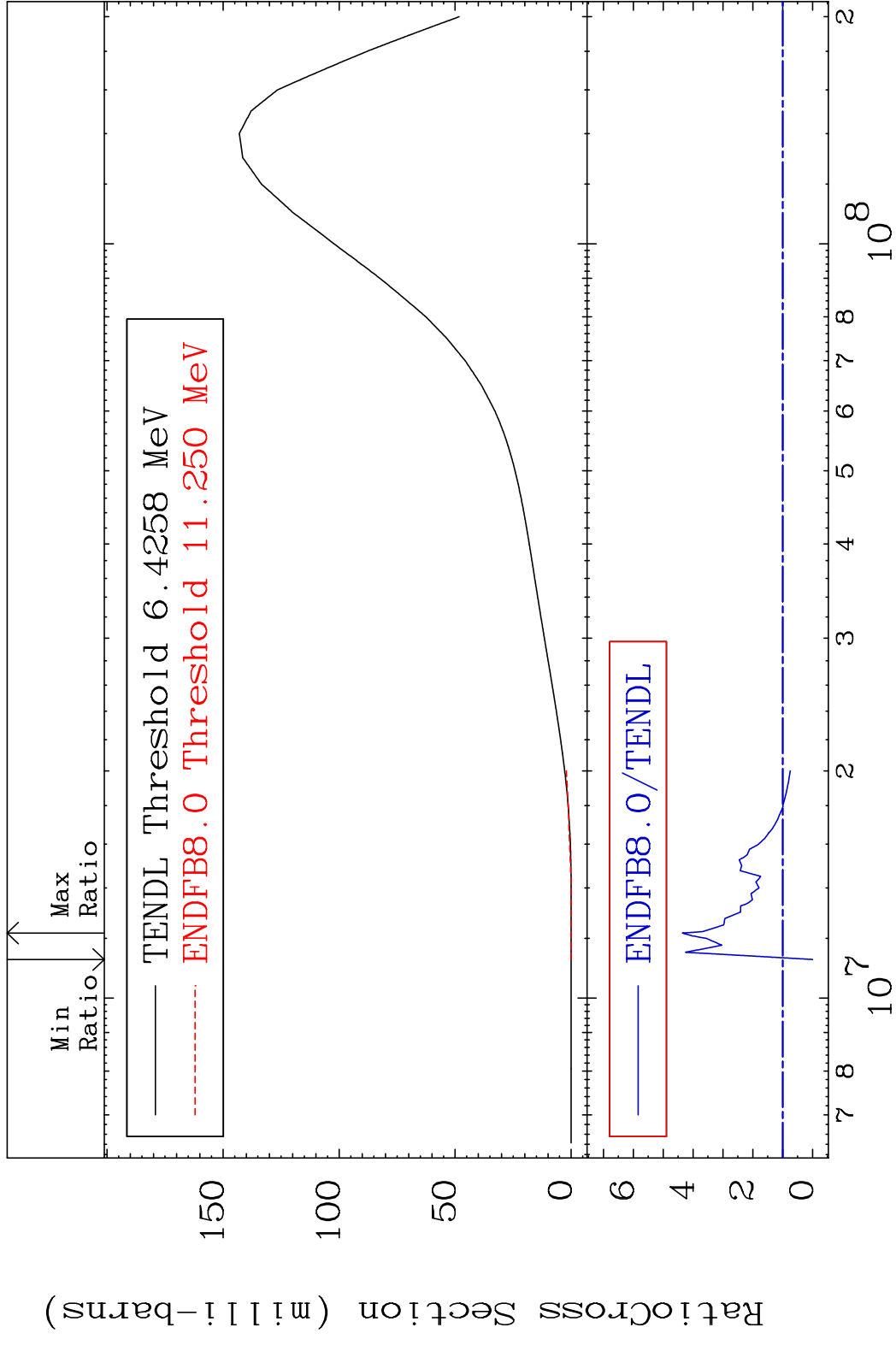
27

Incident Energy (eV)

57-La-139

MAT 5728

Tritium Production 57-La-139  
Cross Section -100.0 To 335.8 %

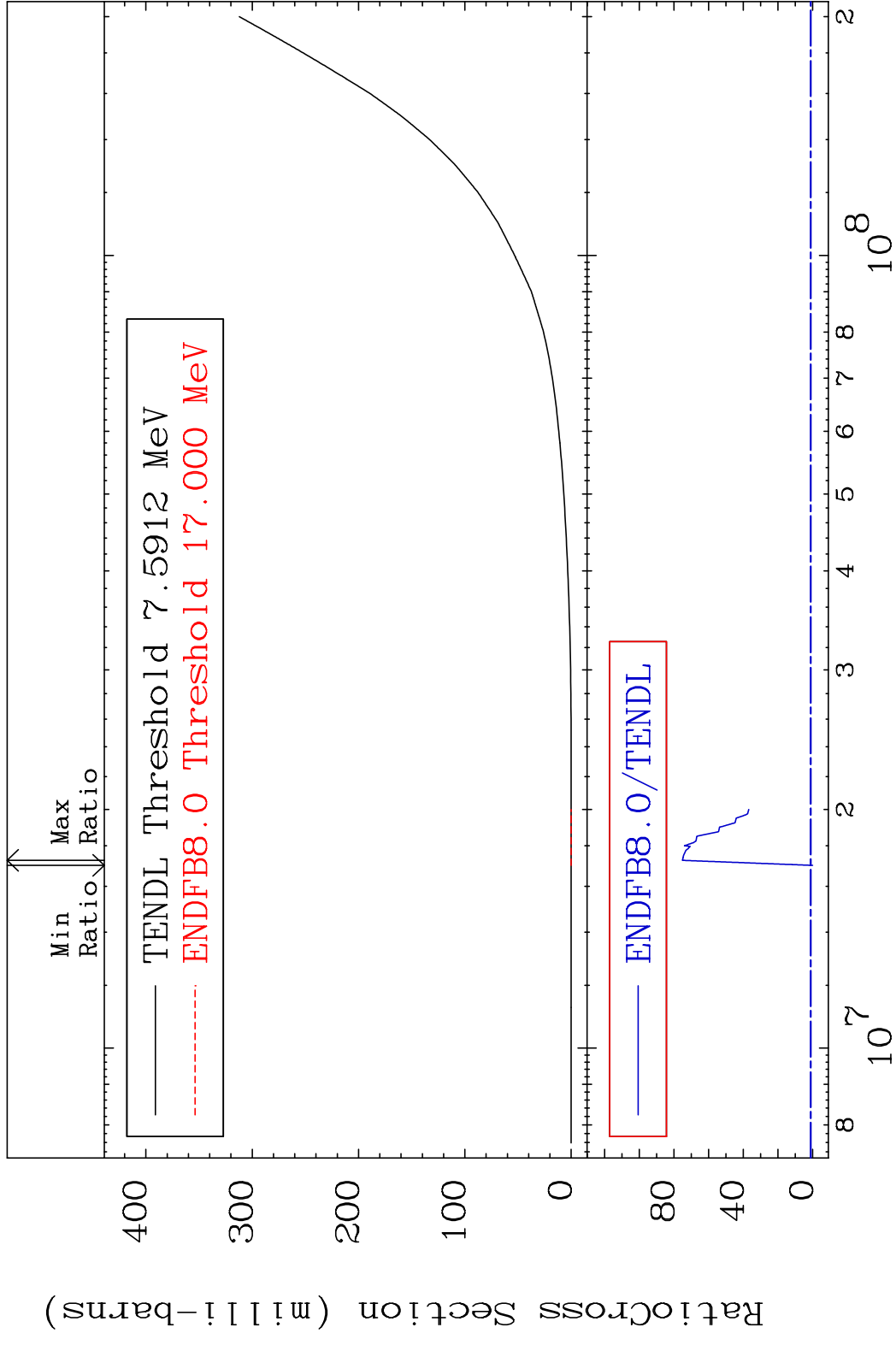


MAT 5728

He-3 Production

57-La-139

Cross Section -100.0 To 7412. %



29

Incident Energy (eV)

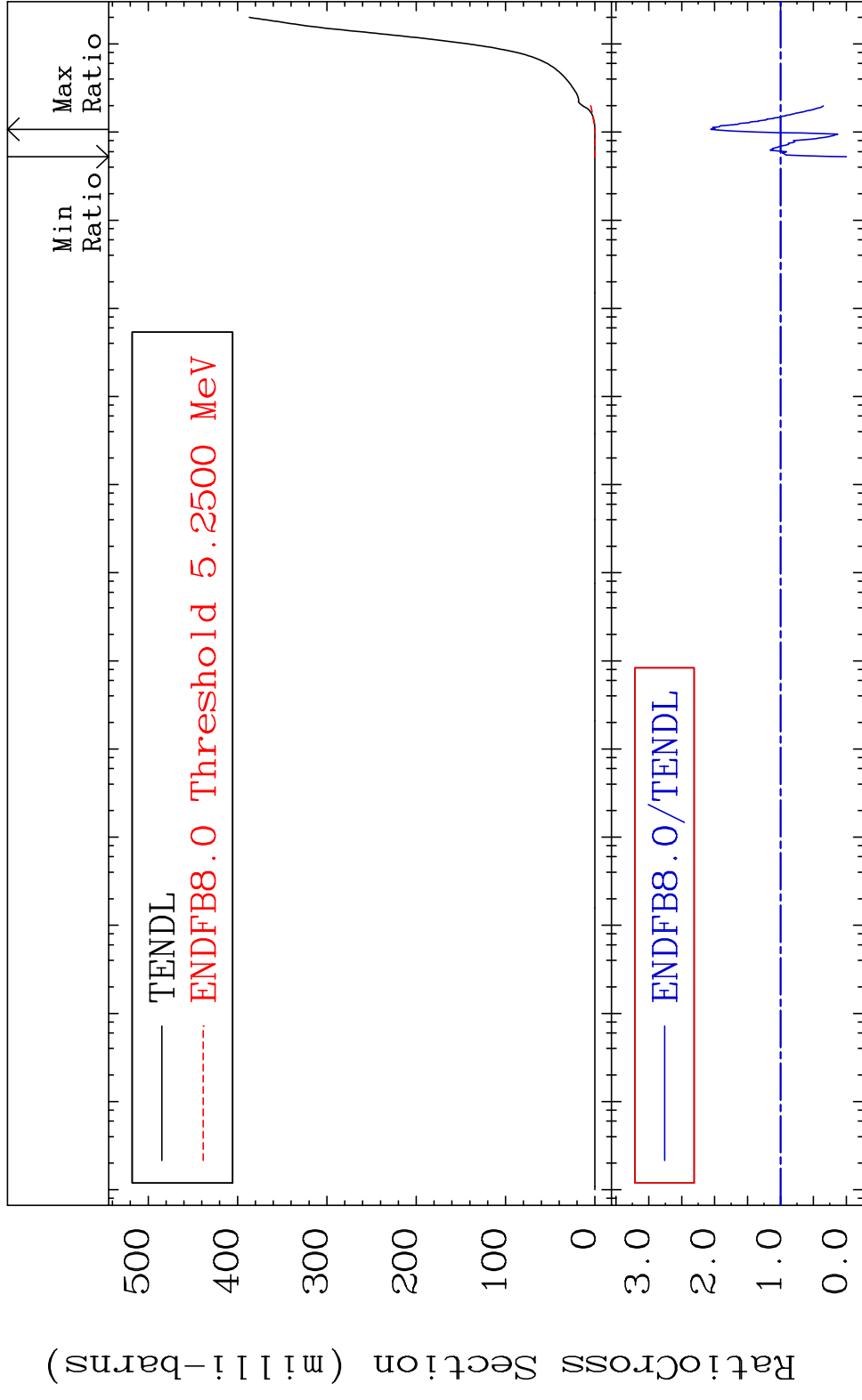
57-La-139

MAT 5728

He-4 Production

57-La-139

Cross Section -100.0 To 106.0 %



30

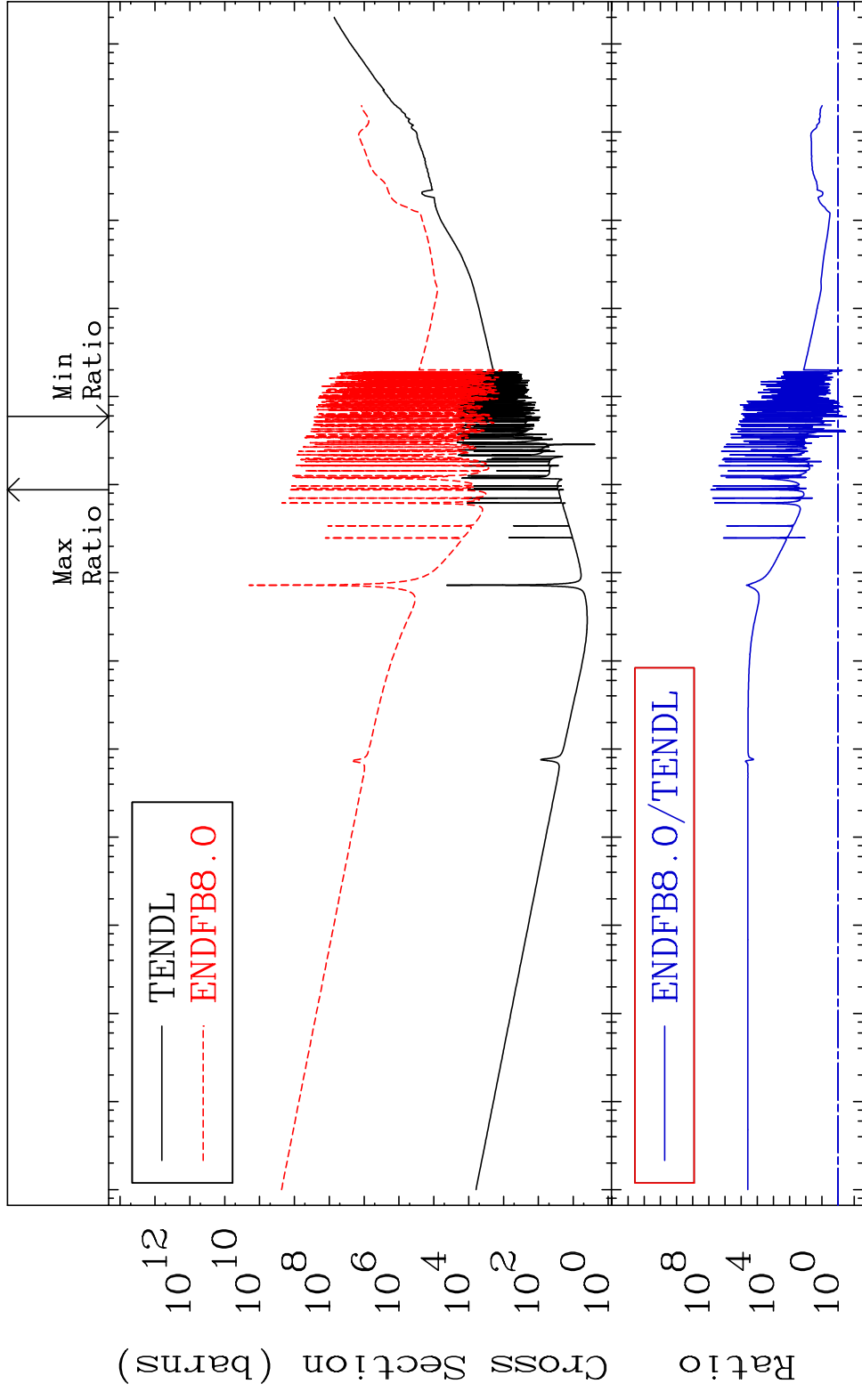
Incident Energy (eV)

57-La-139

MAT 5728

Kerma total (eV-barns) 57-La-139

Cross Section -69.63 To 9999. %

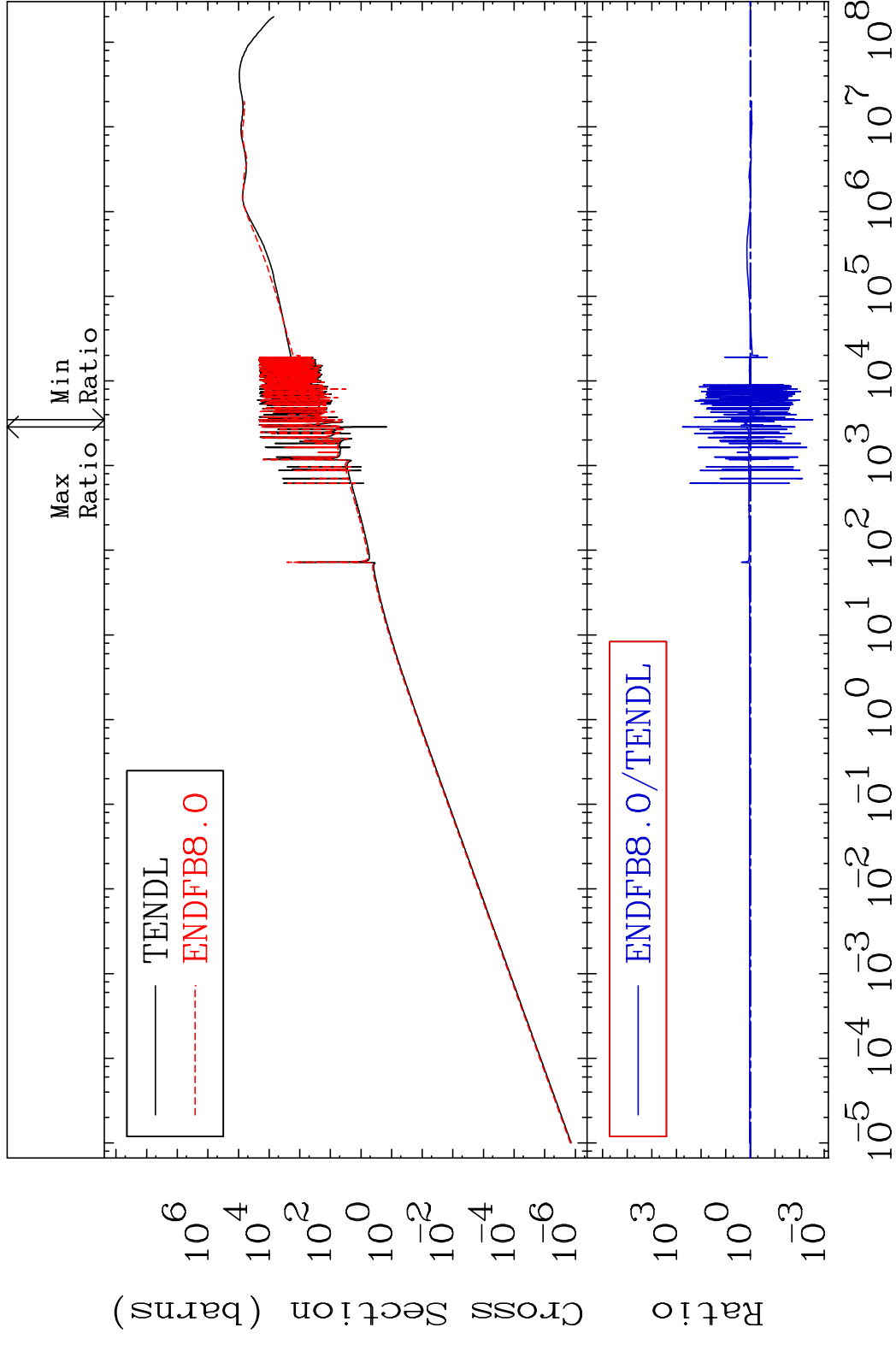




MAT 5728

Kerma elastic  
Cross Section

57-La-139  
-99.70 To 9999. %

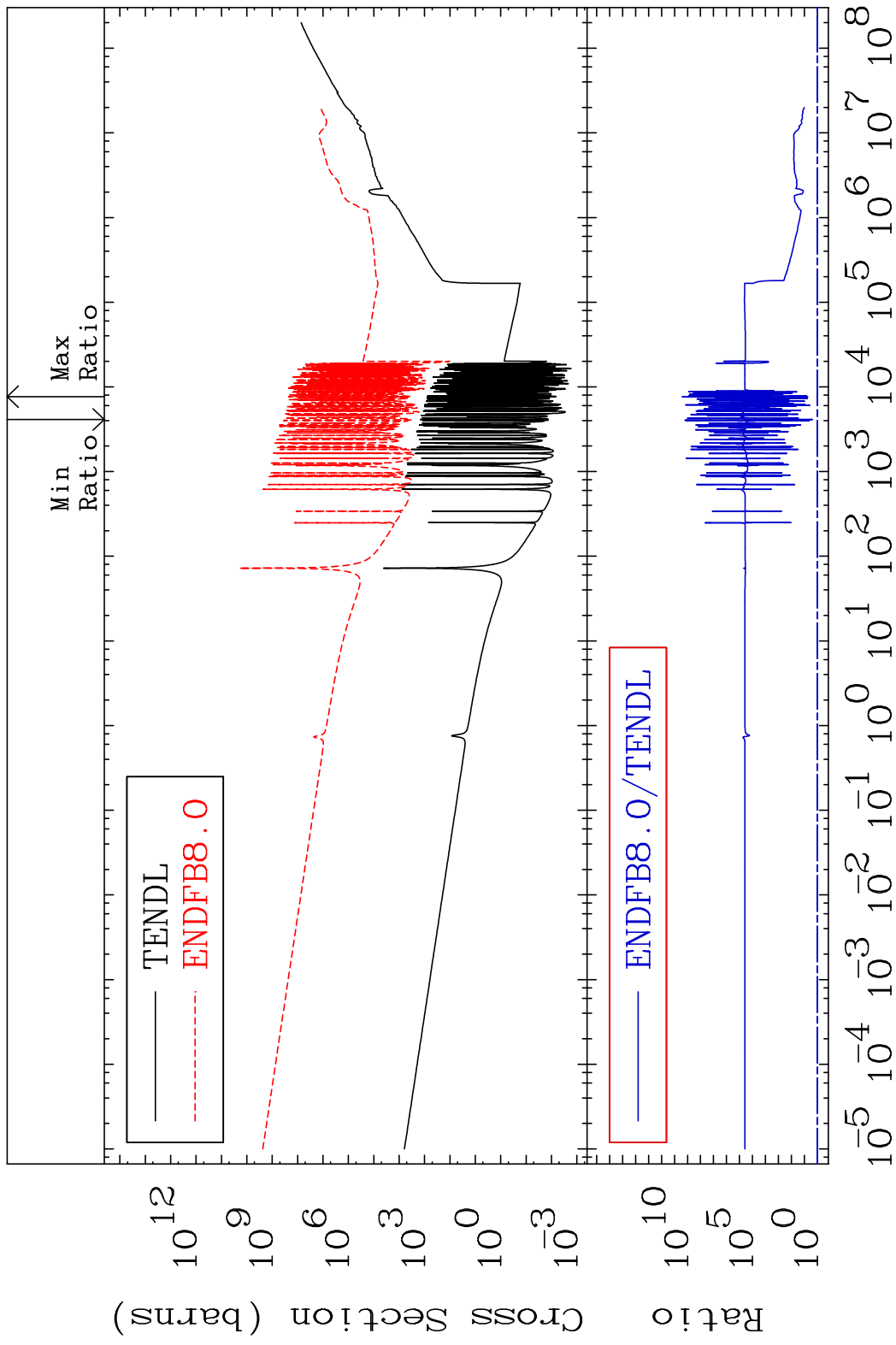


32

Incident Energy (eV)

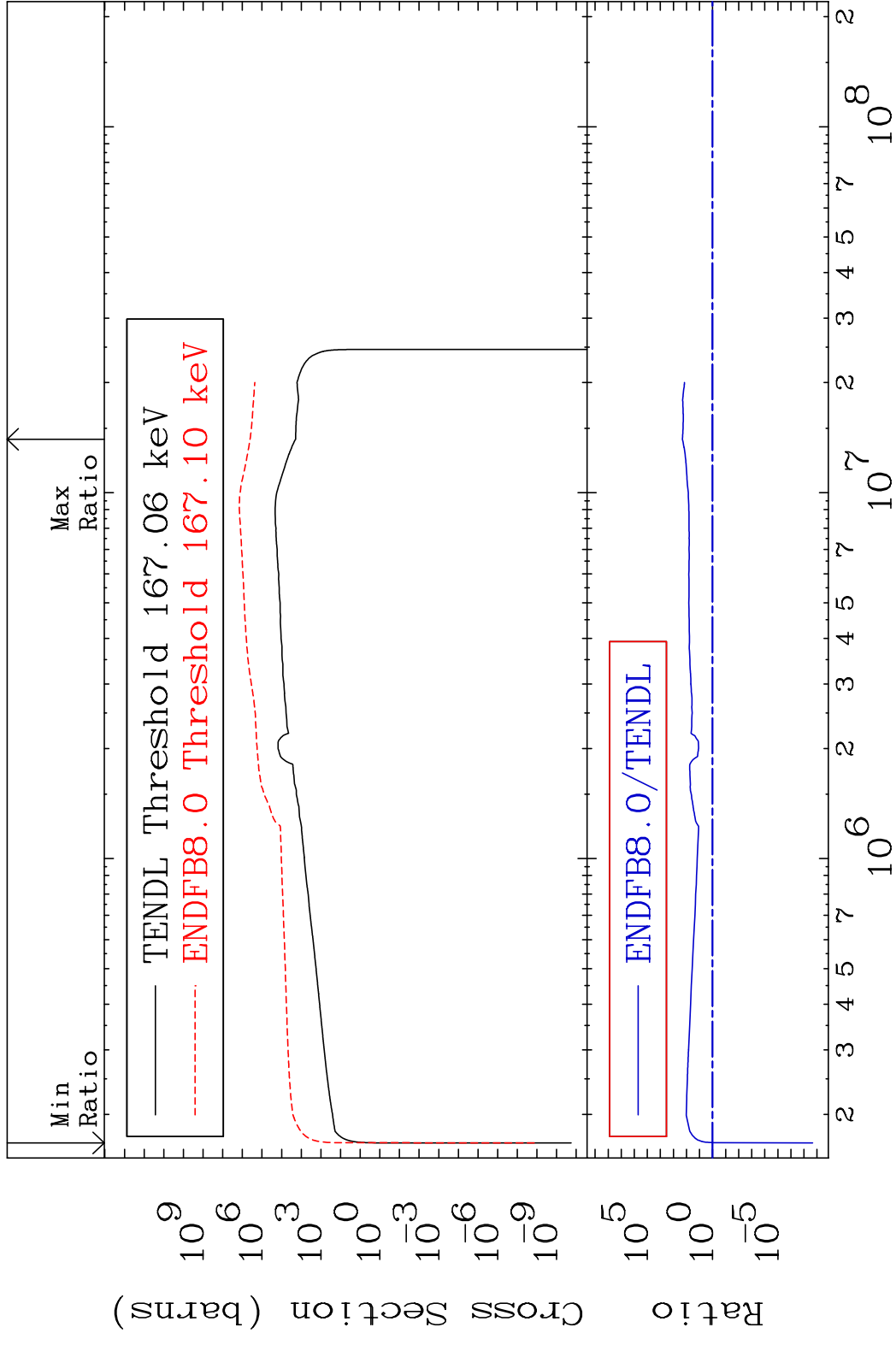
57-La-139

MAT 5728 Kerma non-elastic (all but mt2) 57-La-139  
 Cross Section 134.7 To 9999. %

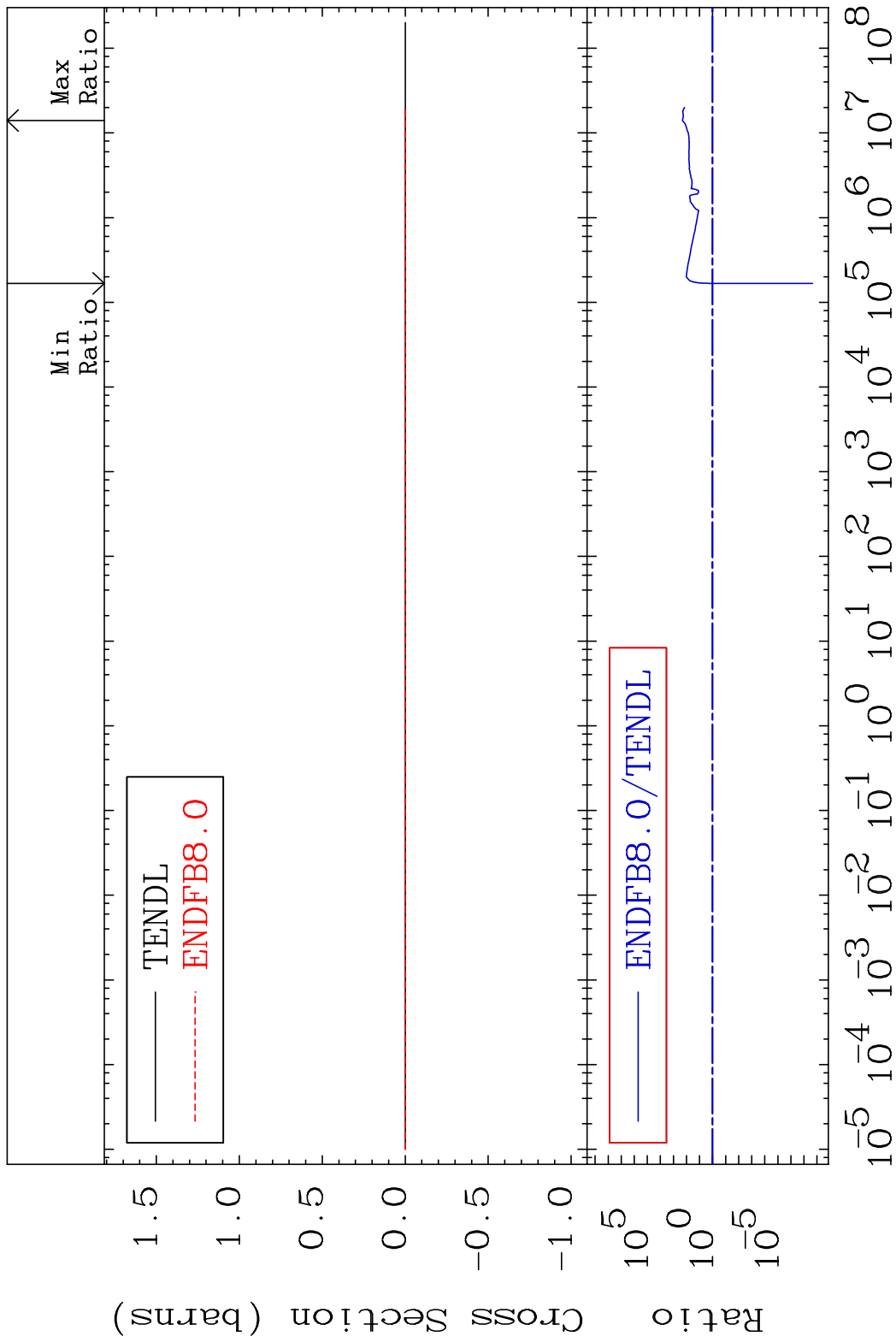


33 Incident Energy (eV) 57-La-139

MAT 5728 Kerma inelastic (mt51-91) 57-La-139  
 Cross Section -100.0 To 9999. %

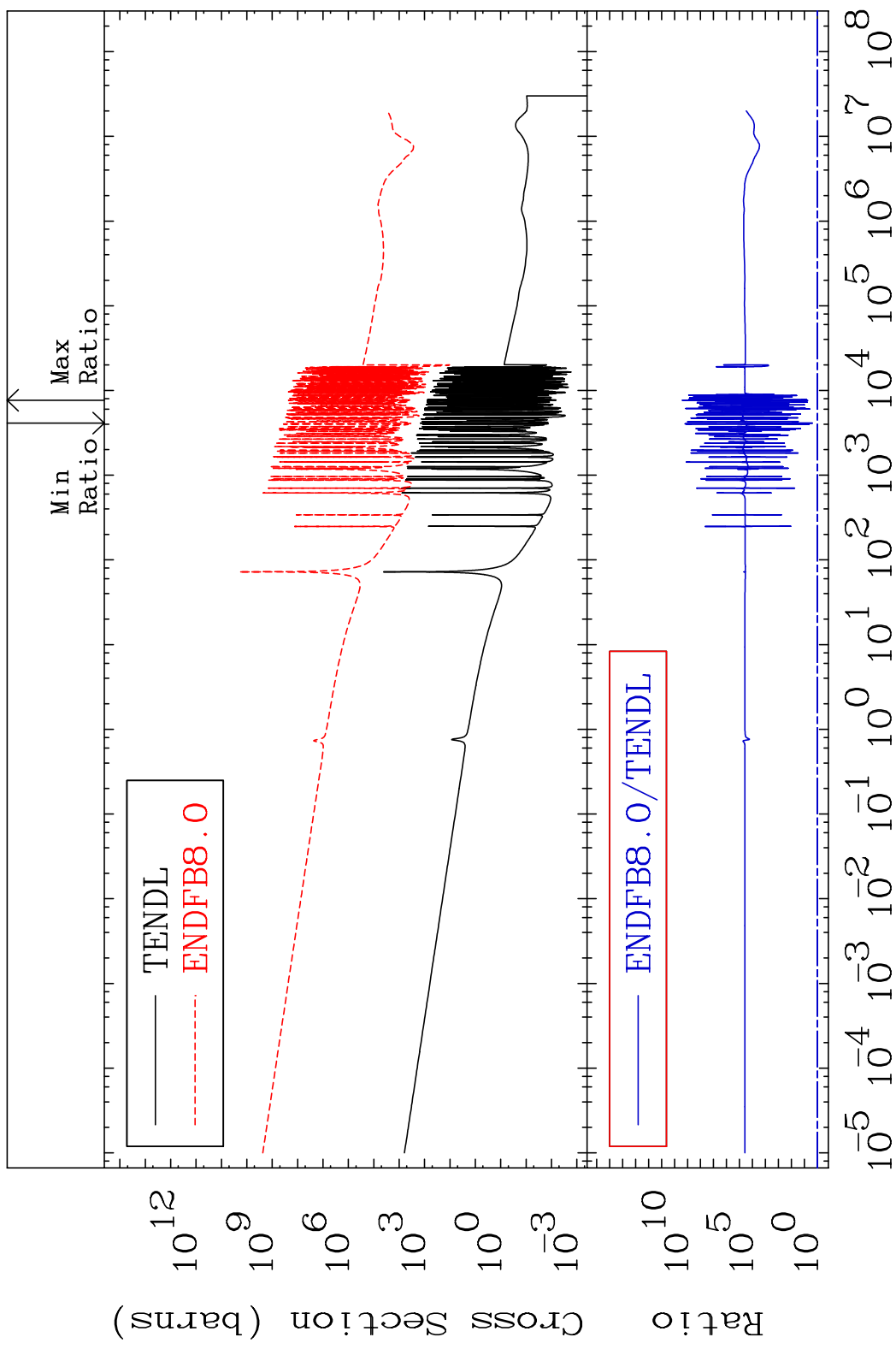


MAT 5728 Kerma fission (mt18 or mt19-20-21-38) 57-La-139  
 Cross Section -100.0 To 9999. %

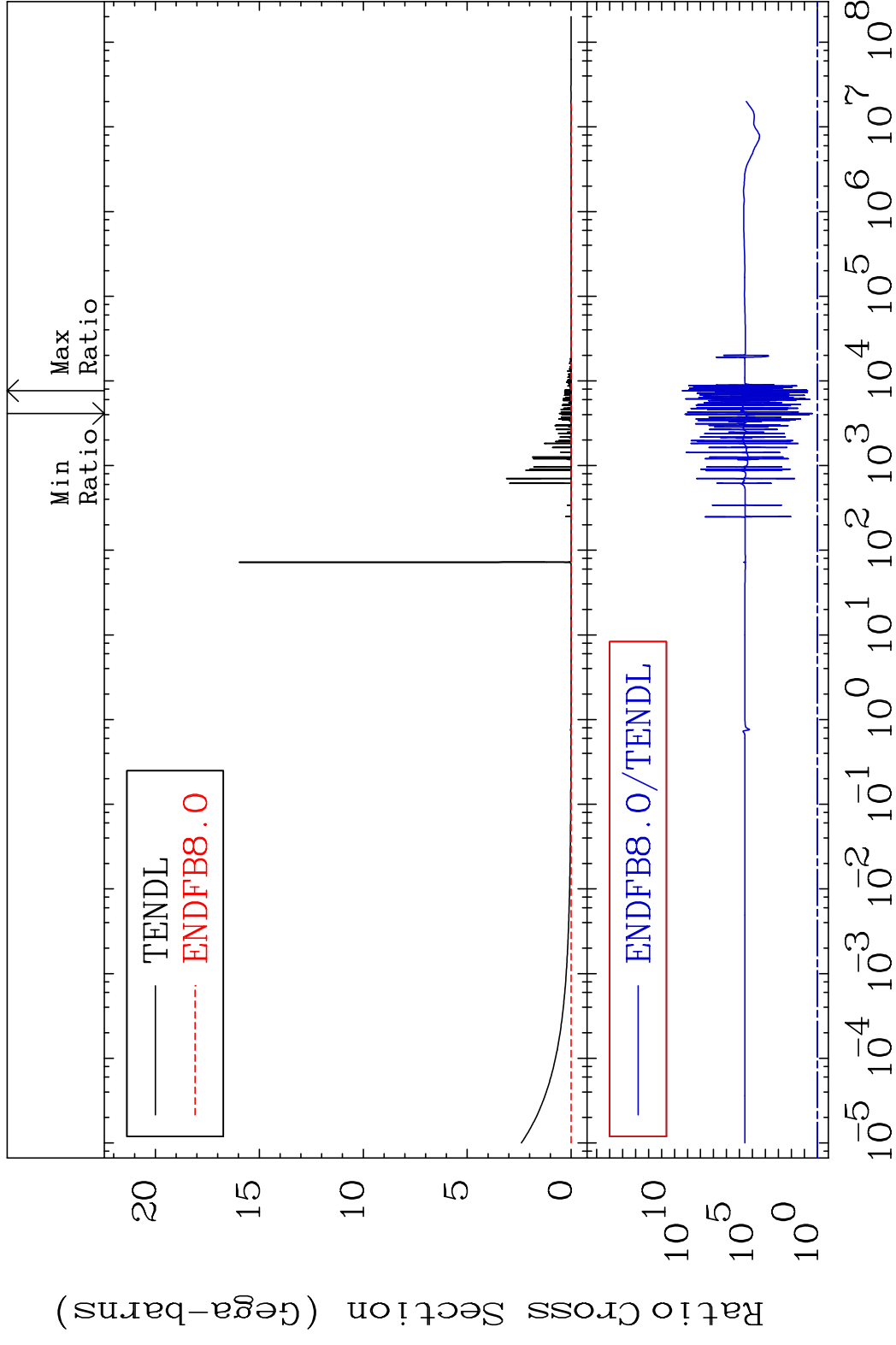


MAT 5728

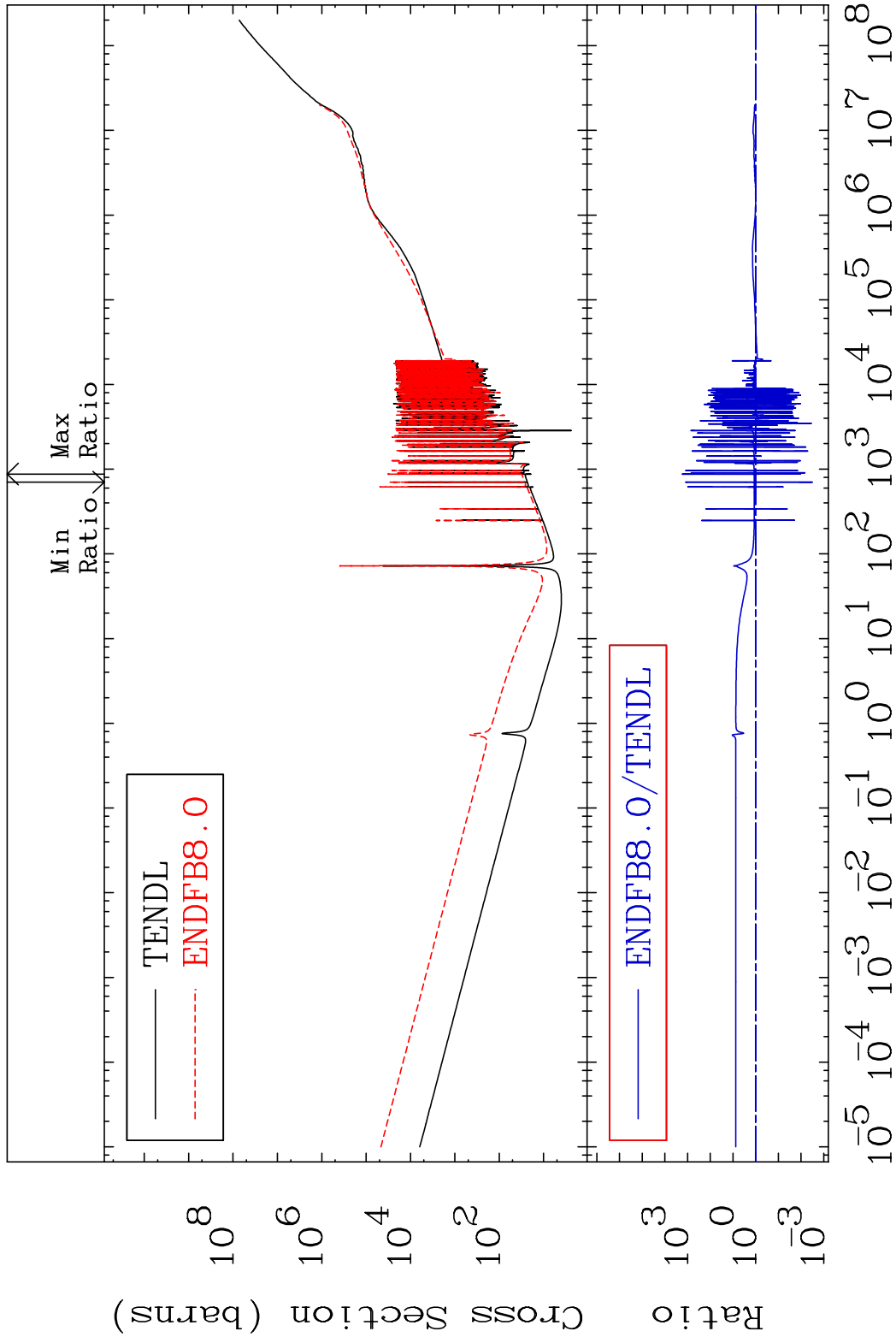
Kerma capture (mt102) 57-La-139  
Cross Section 134.7 To 9999. %



MAT 5728 Total photon (eV-barns) 57-La-139  
 Cross Section 134.7 To 9999. %



MAT 5728 Total kinematic kerma (high limit) 57-La-139  
 Cross Section -99.69 To 9999. %

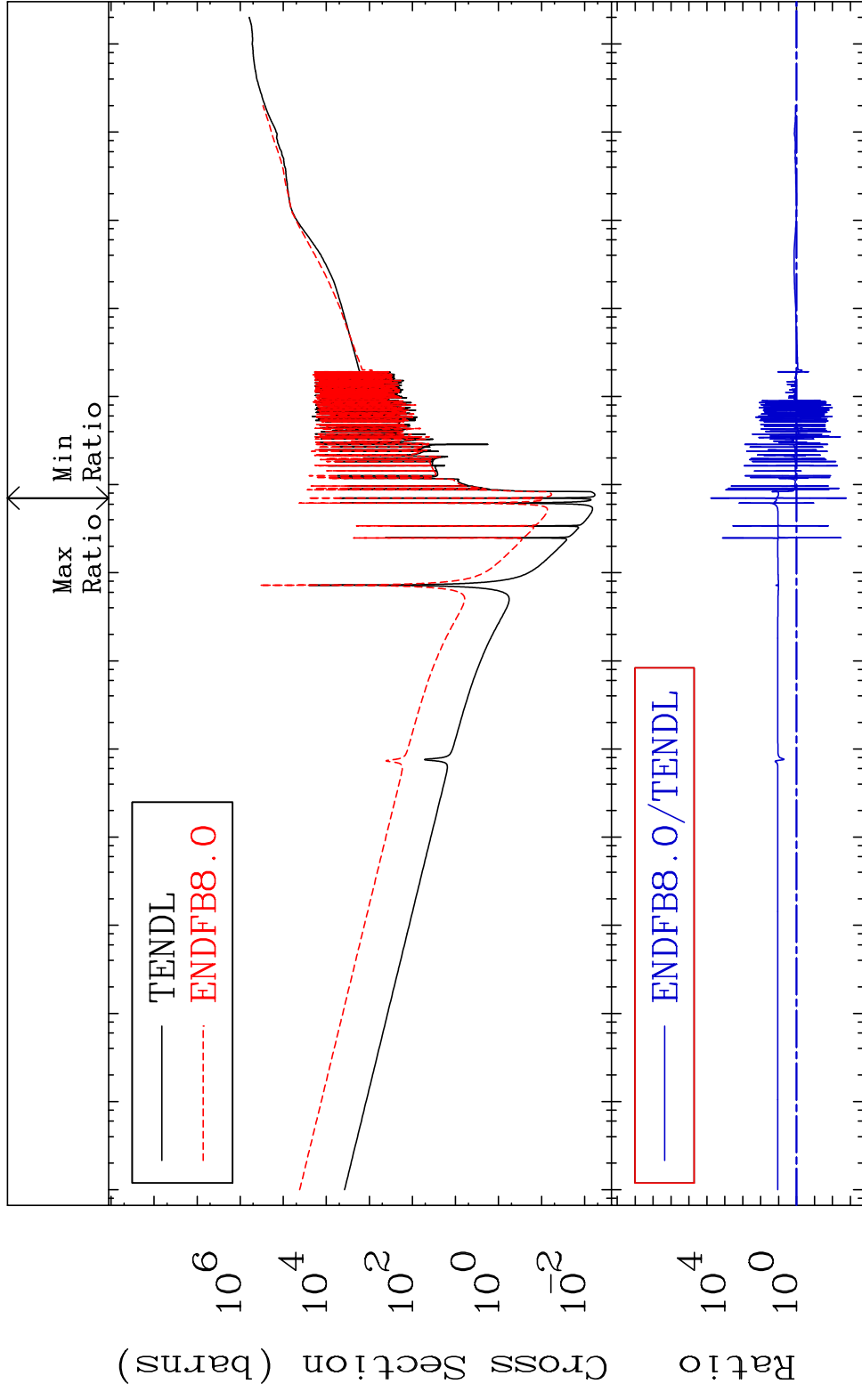


MAT 5728

Dpa total (eV-barns)

57-La-139

Cross Section -99.83 To 9999. %



39

Incident Energy (eV)

57-La-139

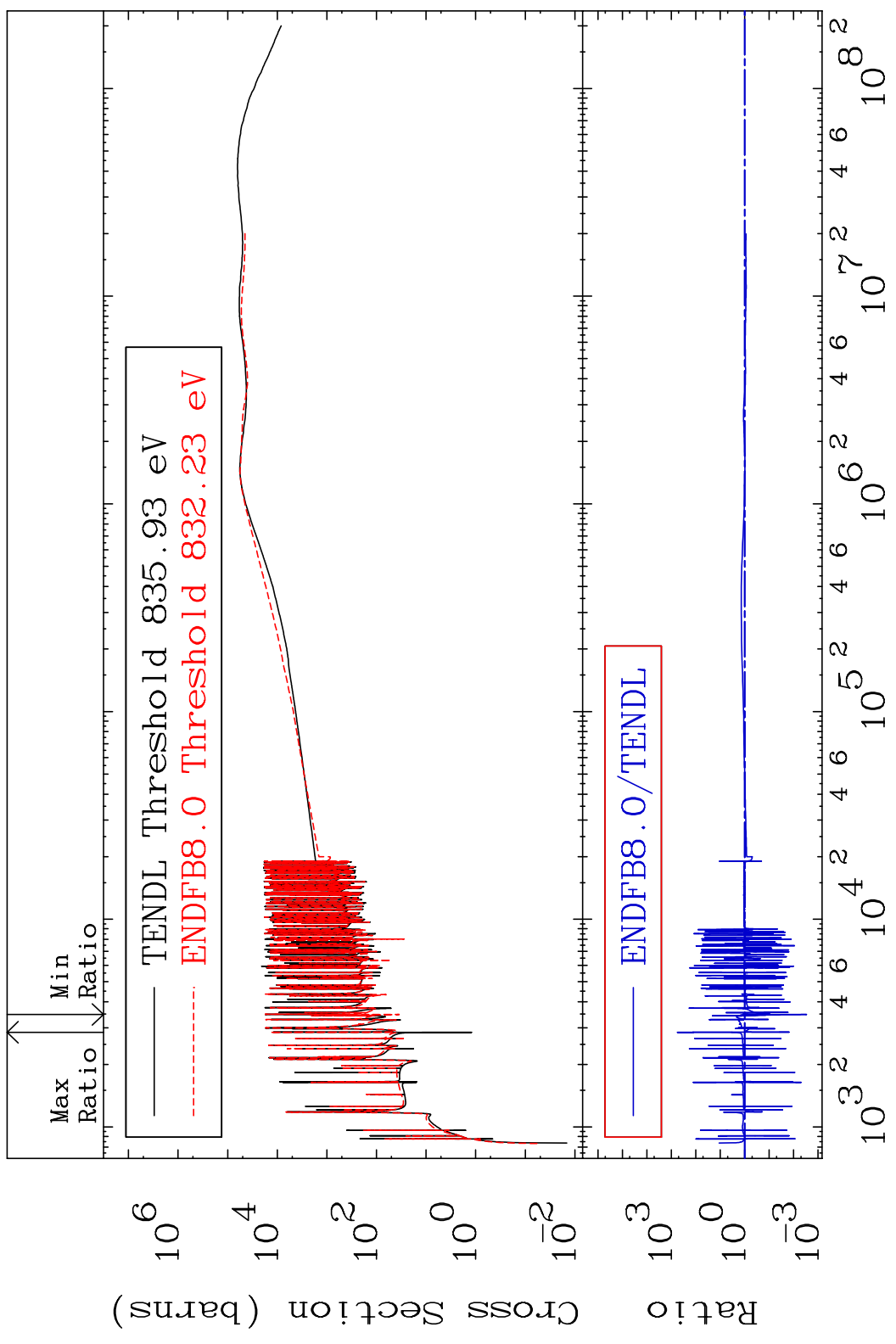


MAT 5728

Dpa elastic (mt2)

57-La-139

Cross Section -99.70 To 9999. %

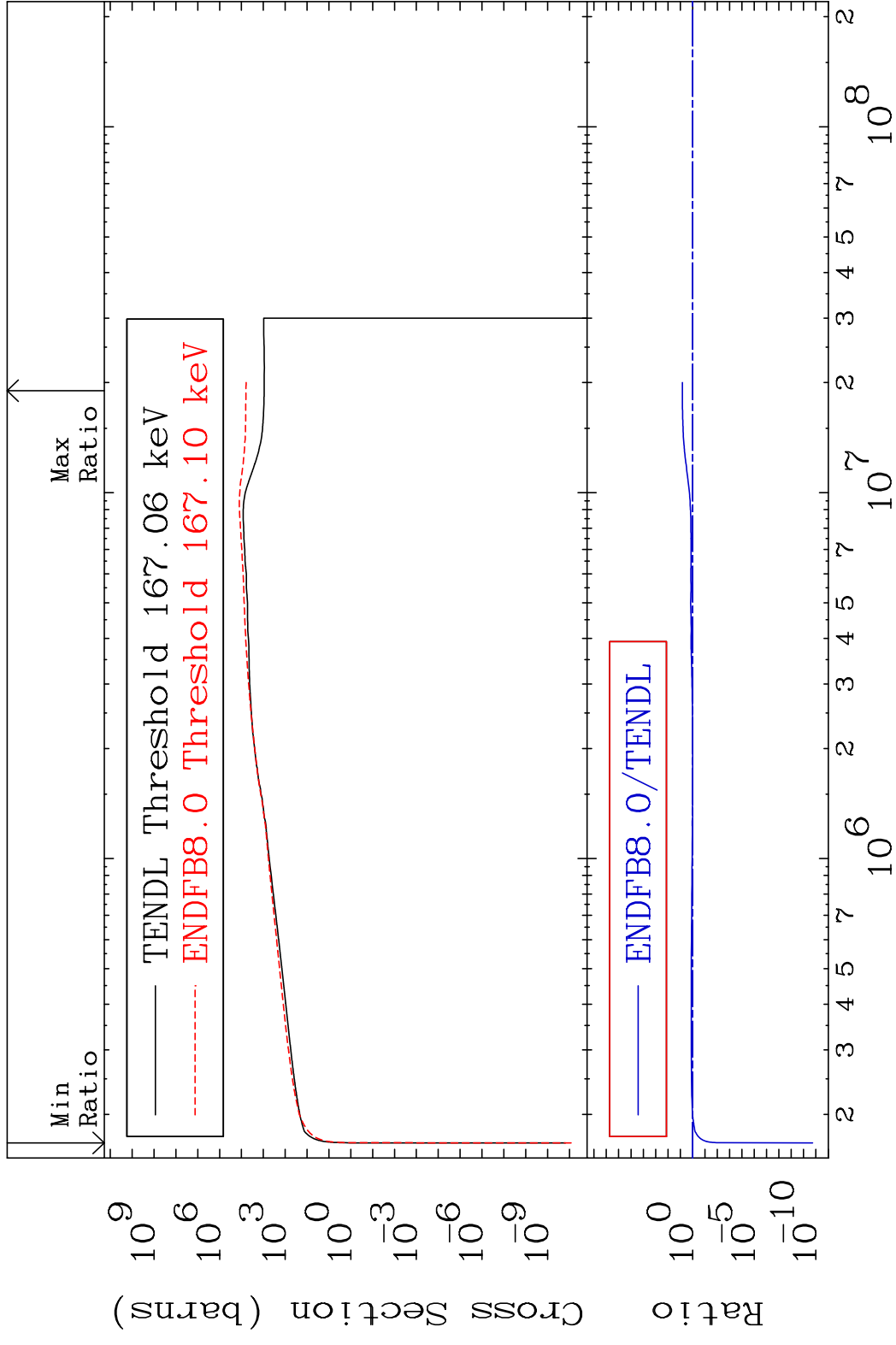


40

Incident Energy (eV)

57-La-139

MAT 5728      Dpa inelastic (mt51-91)      57-La-139  
 Cross Section      -100.0 To 580.3 %



MAT 5728 Dpa disappearance (mt102 -120) 57-La-139  
 Cross Section -99.99 To 9999. %

