

Program Complot  
(Version 2021-1)

by

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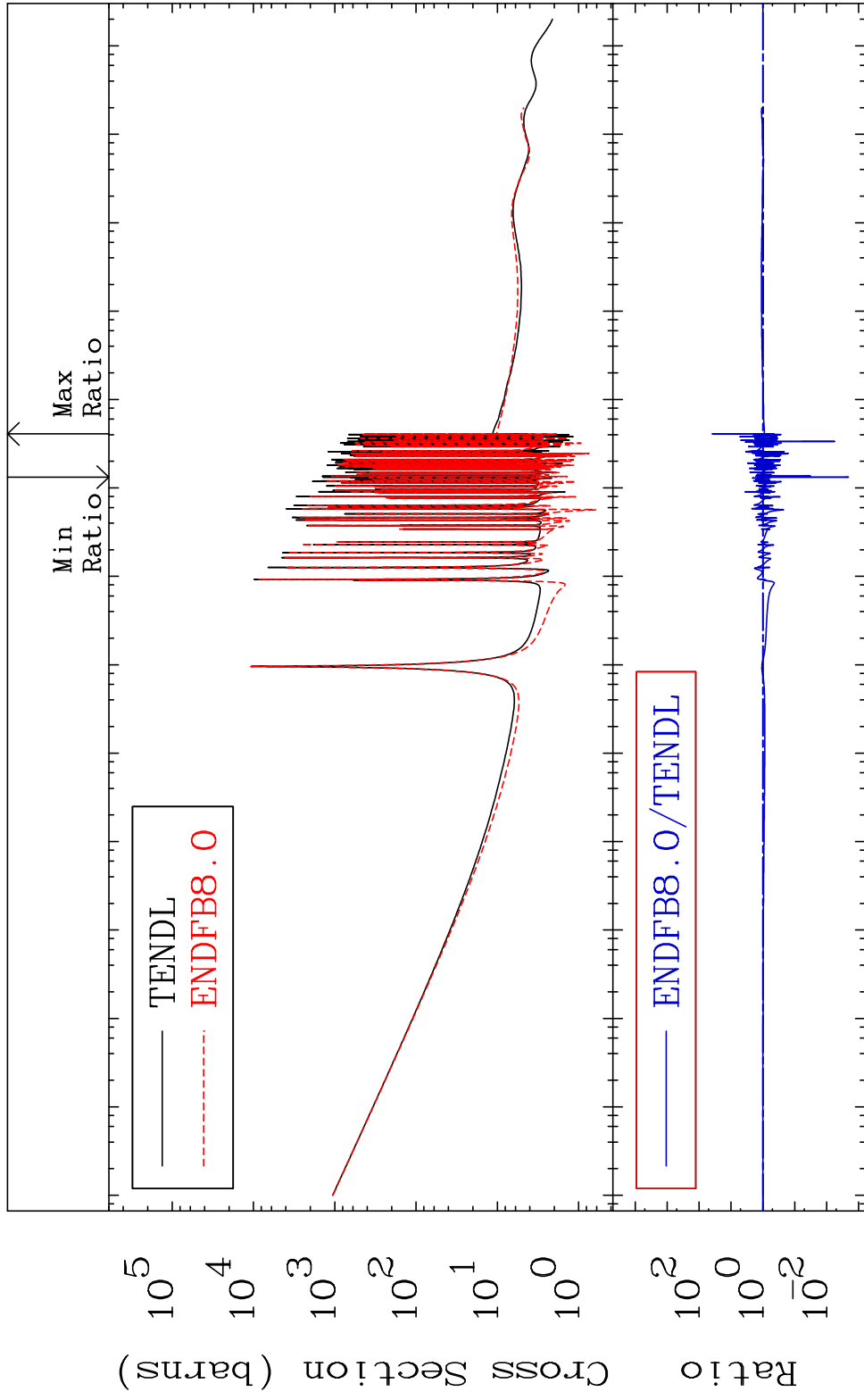
Press Mouse Button to Start

MAT 5440

Total

54-Xe-129

Cross Section -99.79 To 3710. %



1

Incident Energy (eV)

54-Xe-129

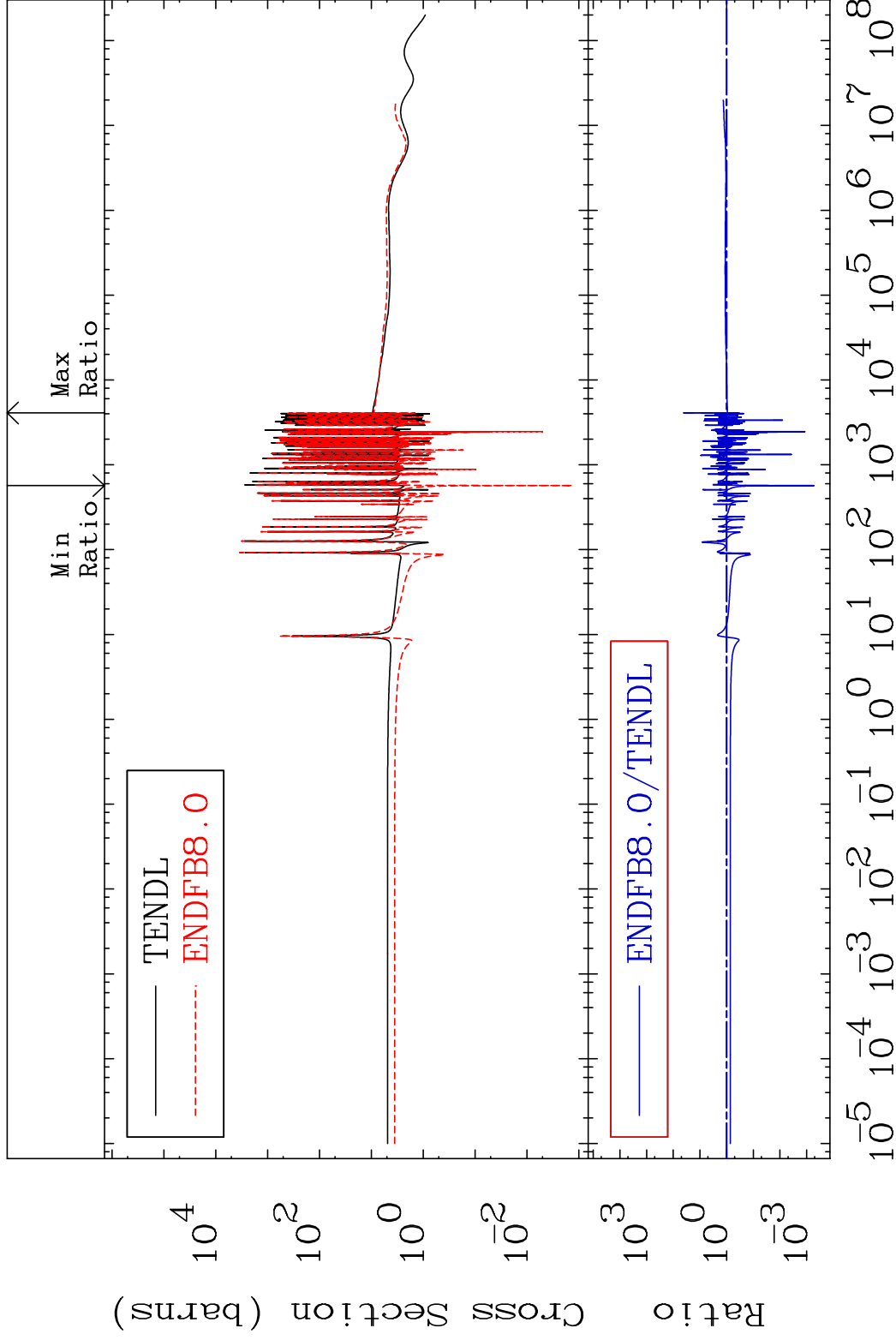
MAT 5440

Elastic

54-Xe-129

Cross Section

-99.95 To 3984. %

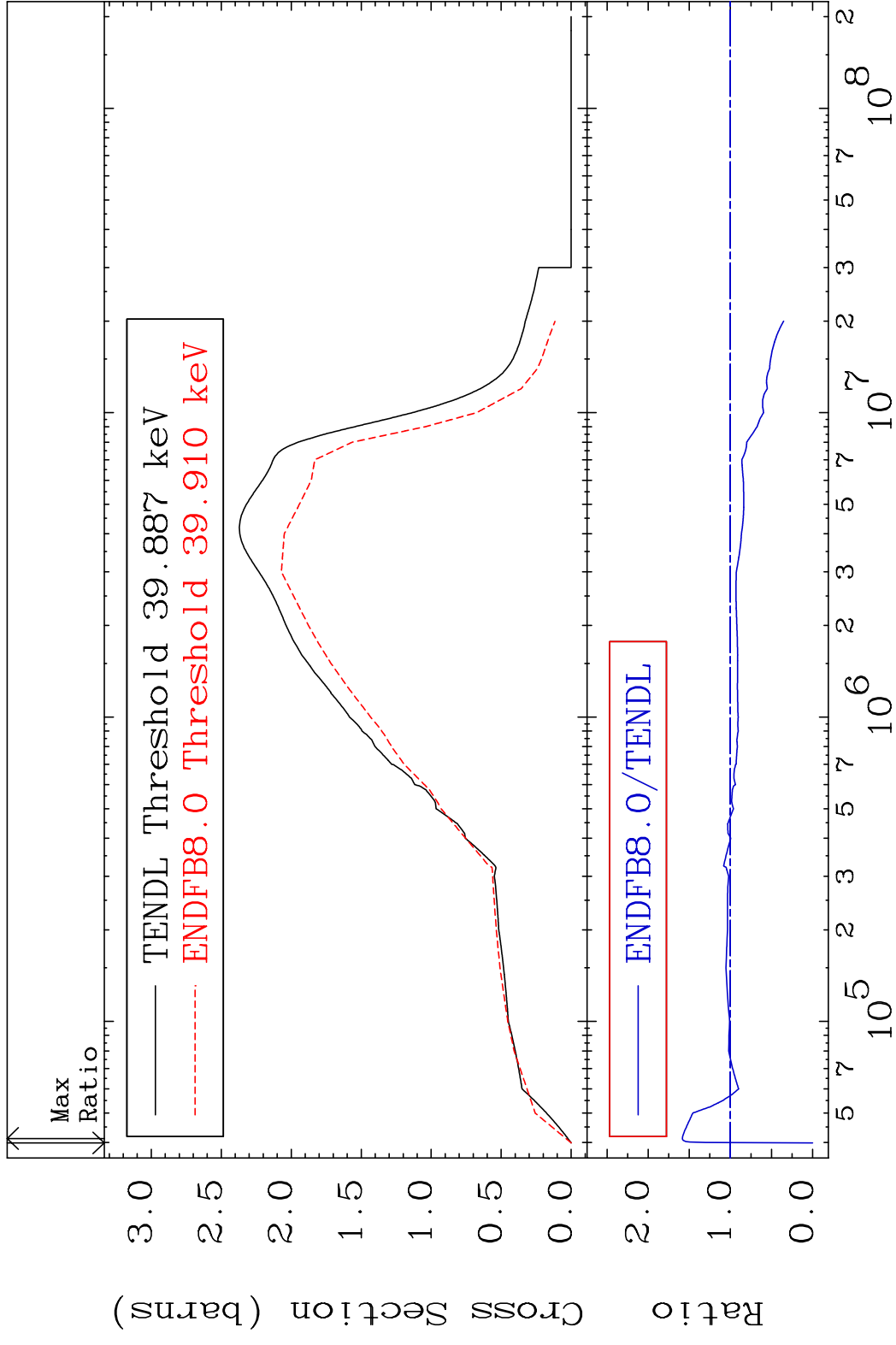


2

Incident Energy (eV)

54-Xe-129

MAT 5440 Inelastic 54-Xe-129  
 Cross Section -100.0 To 58.44 %

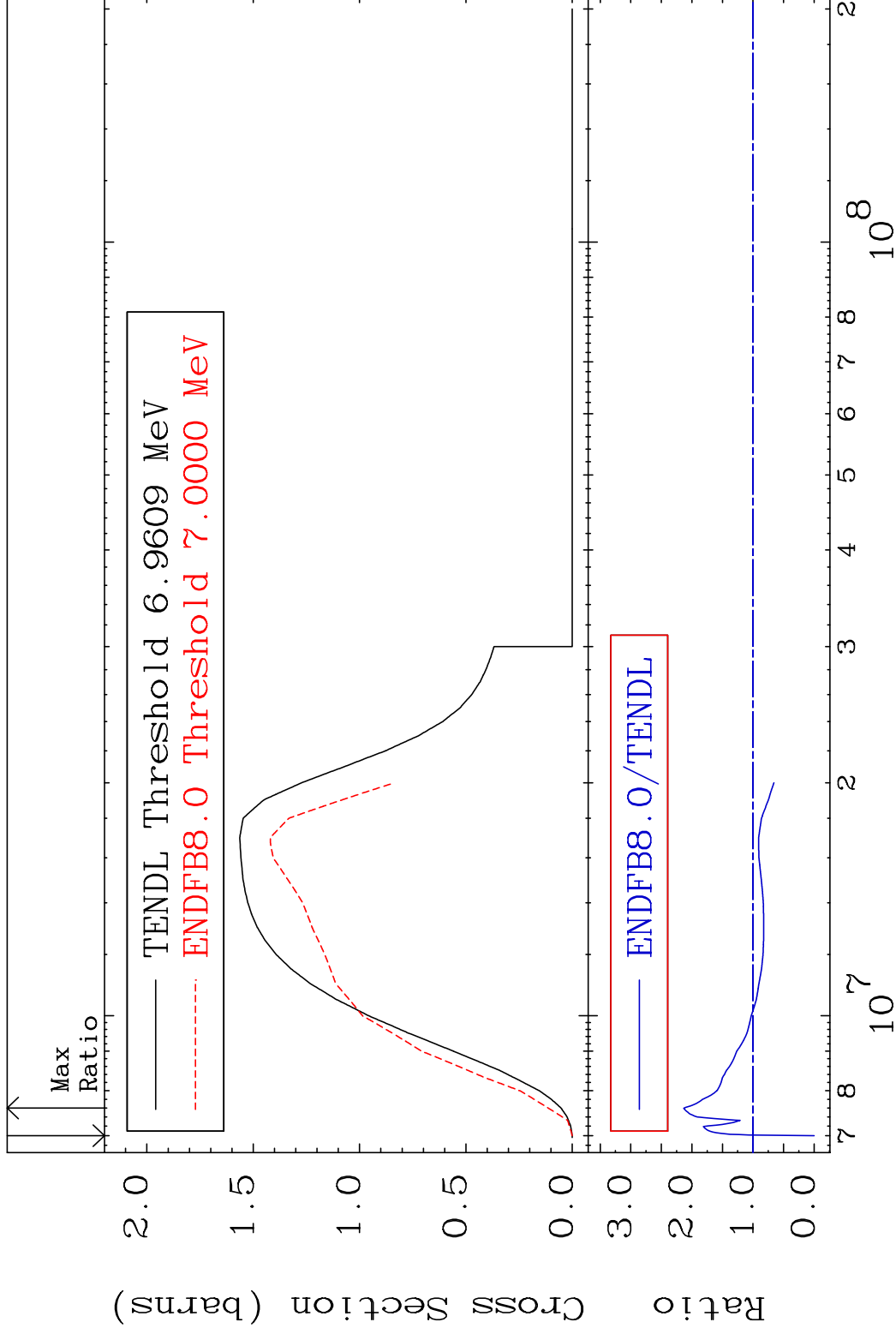


MAT 5440

(n,2n)

54-Xe-129

Cross Section -100.0 To 113.4 %



4

Incident Energy (eV)

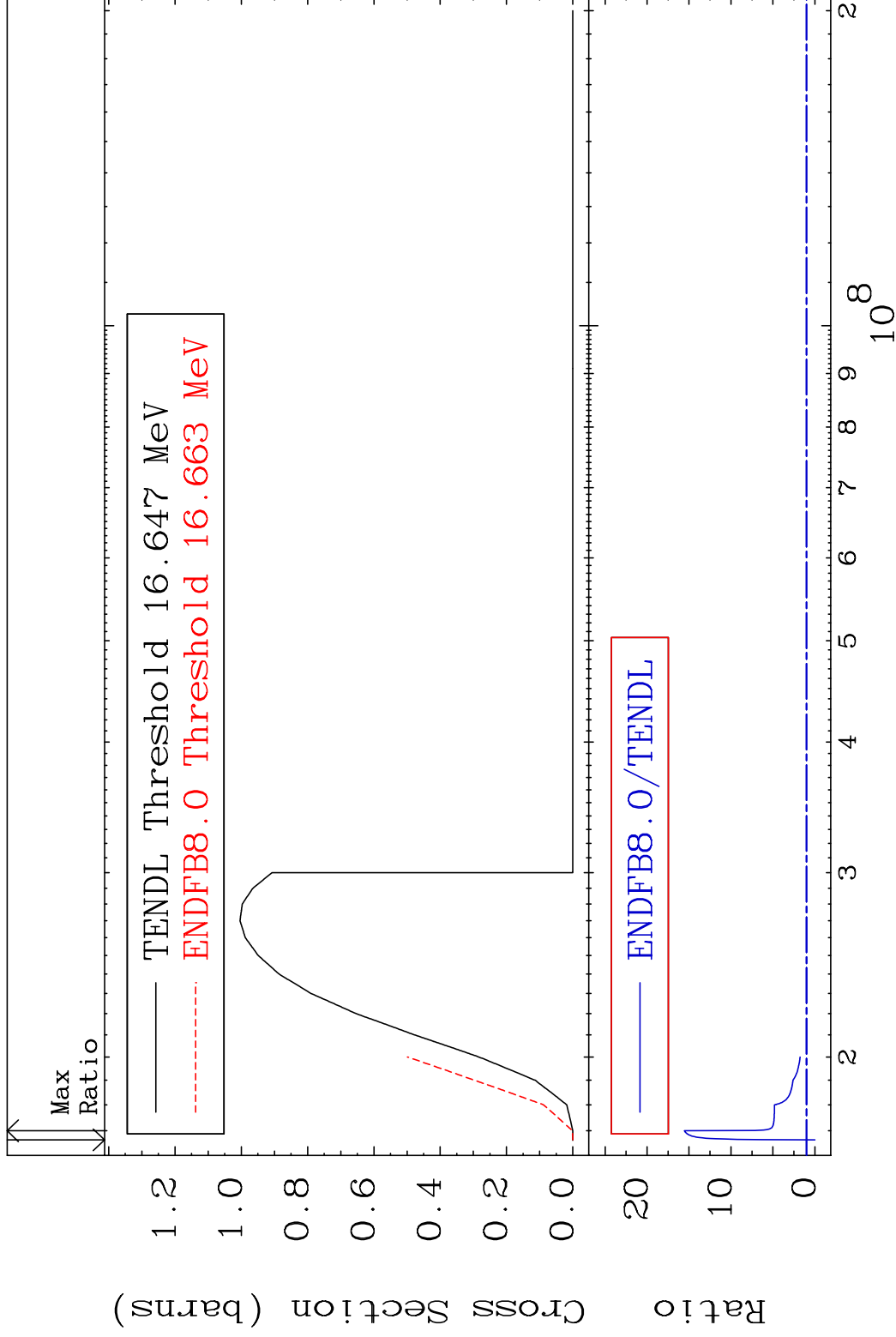
54-Xe-129

MAT 5440

(n,3n)

54-Xe-129

Cross Section -100.0 To 1456. %

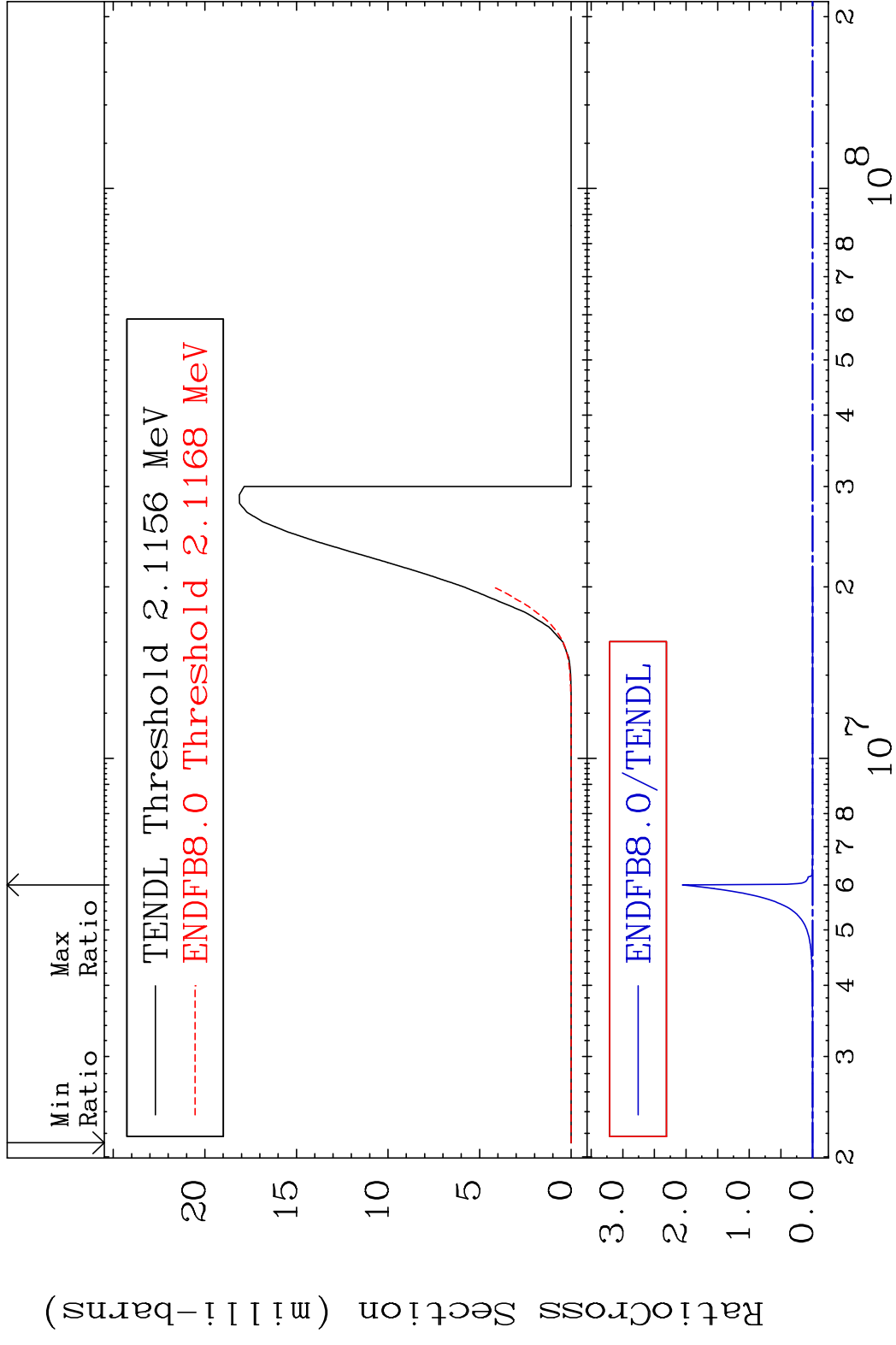


5

Incident Energy (eV)

54-Xe-129

MAT 5440 (n, n')  $\alpha$  54-Xe-129  
 Cross Section -100.0 To 9999. %

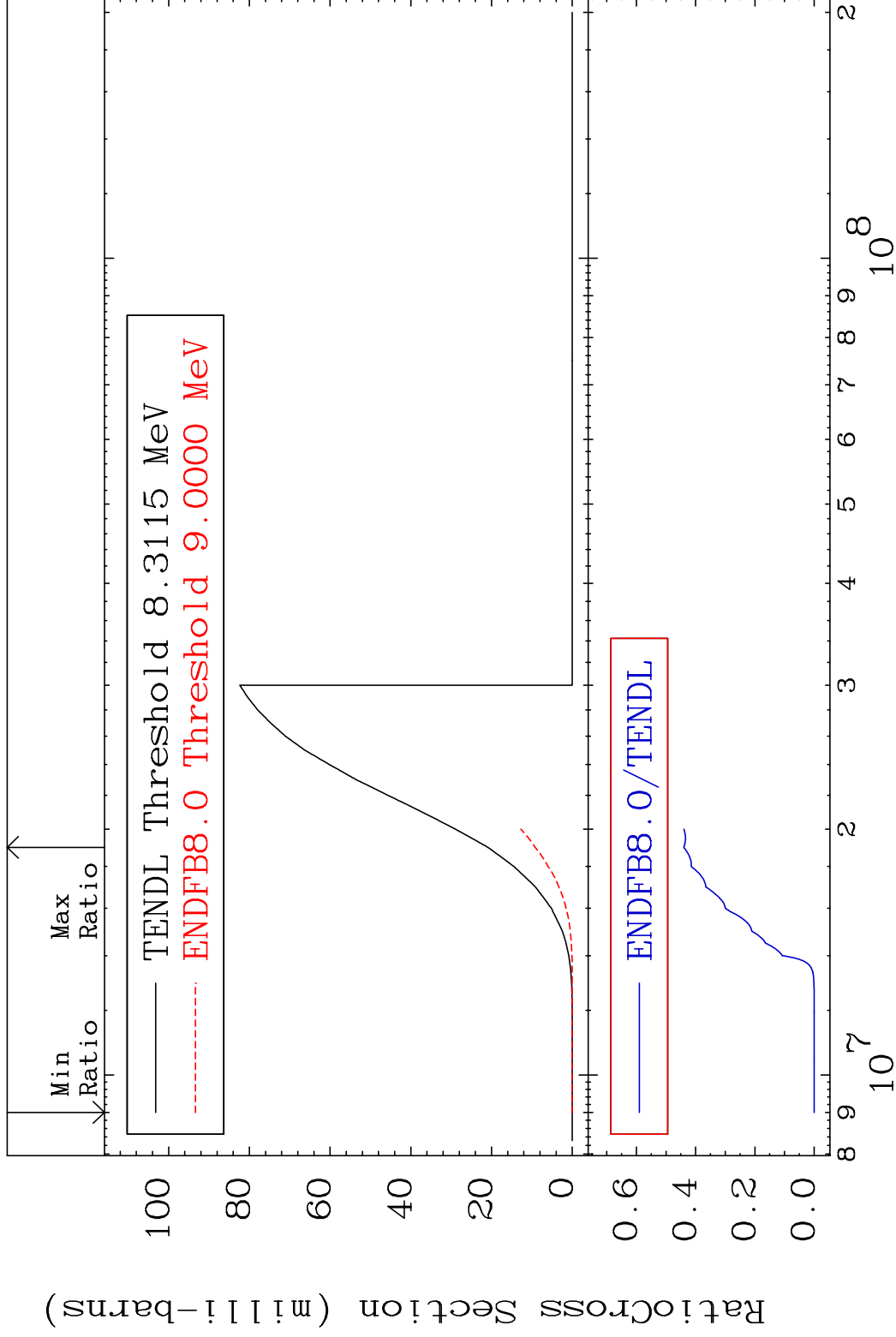


MAT 5440

(n, n') p

54-Xe-129

Cross Section -100.0 To -55.96%



7

Incident Energy (eV)

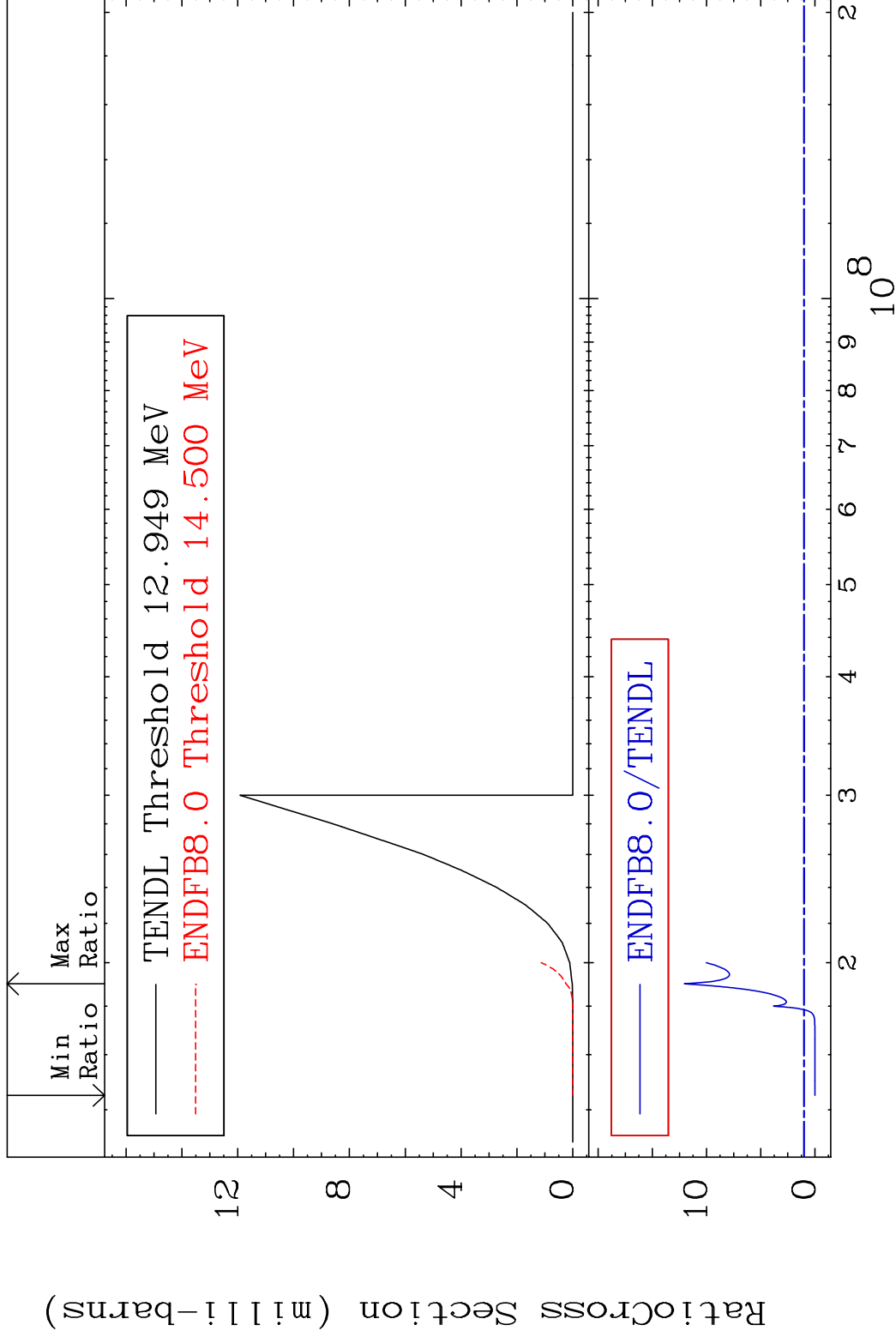
54-Xe-129

MAT 5440

(n, n') d

54-Xe-129

Cross Section -100.0 To 1105. %



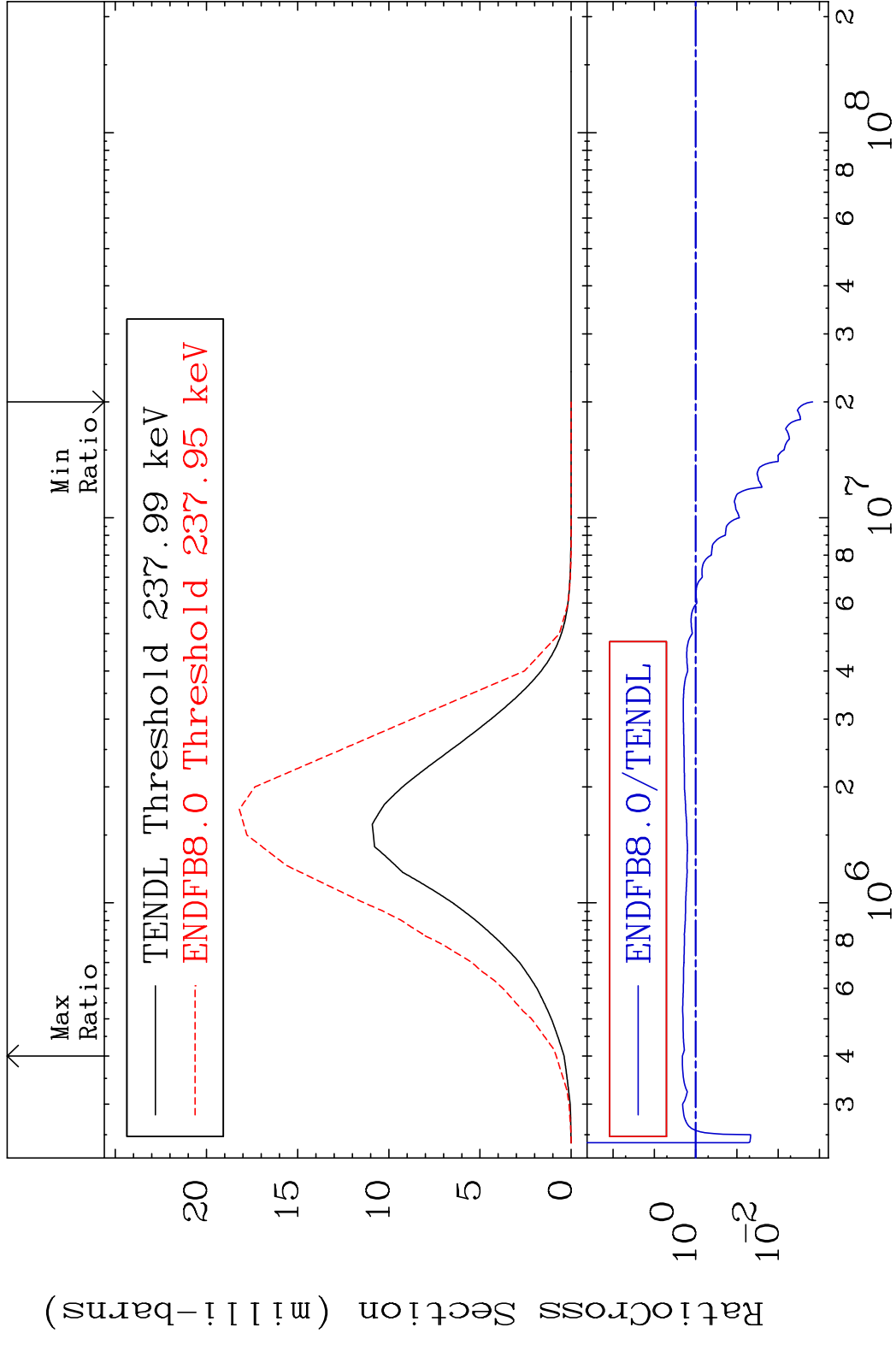
8

Incident Energy (eV)

54-Xe-129

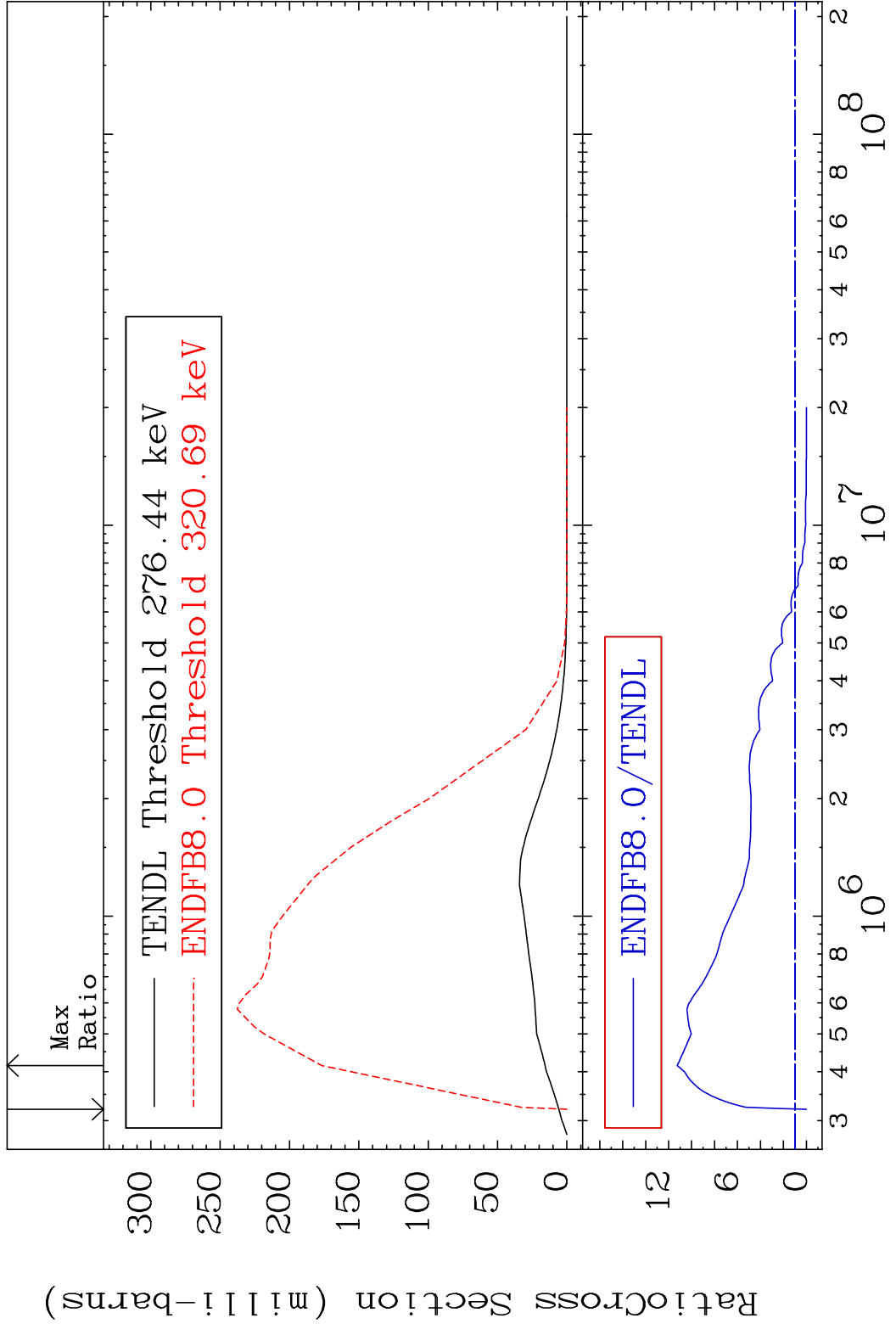


MAT 5440 MT= 52 (n, n') Level 54-Xe-129  
 Cross Section -99.85 To 109.7 %

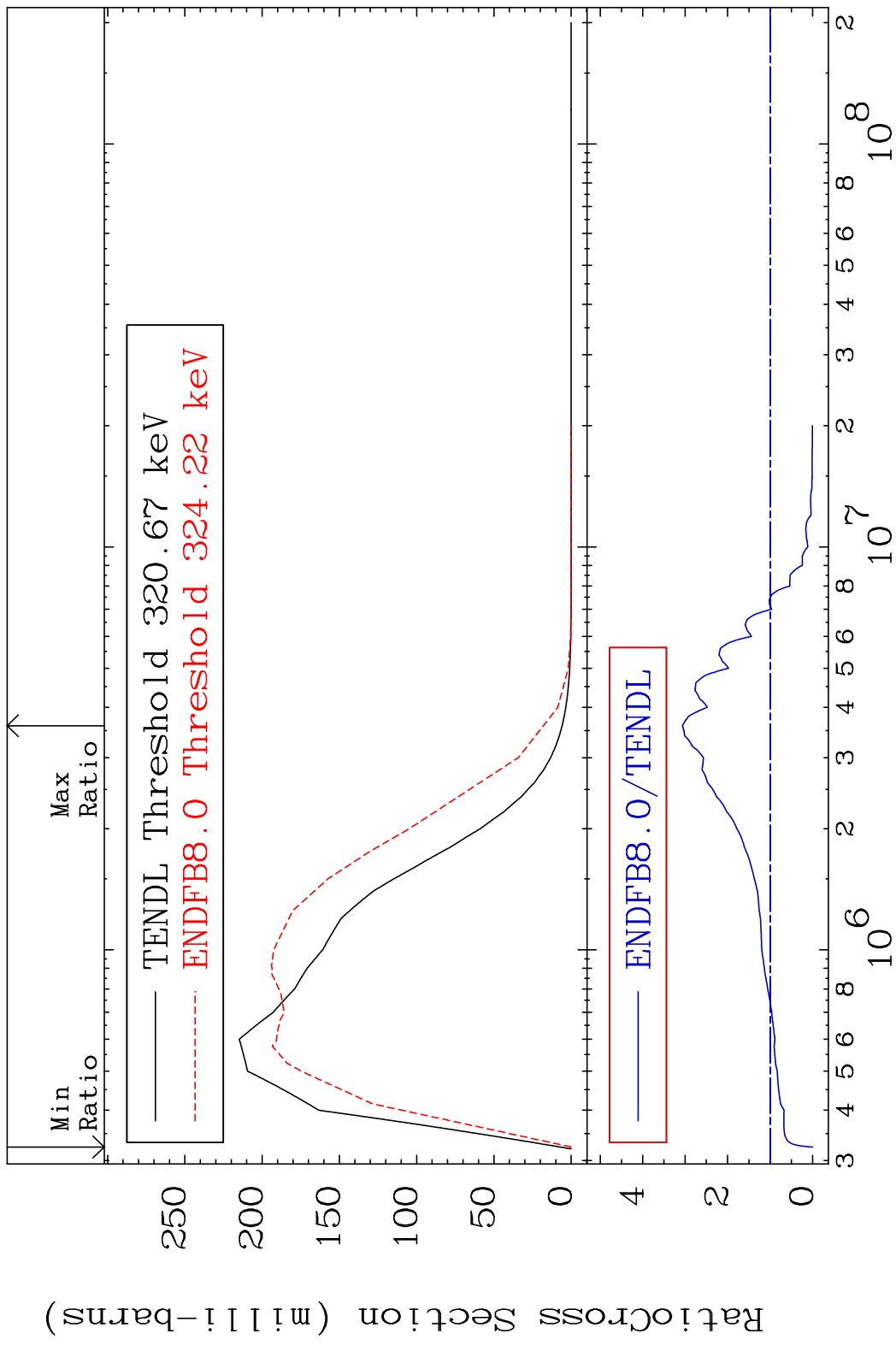


10 Incident Energy (eV) 54-Xe-129

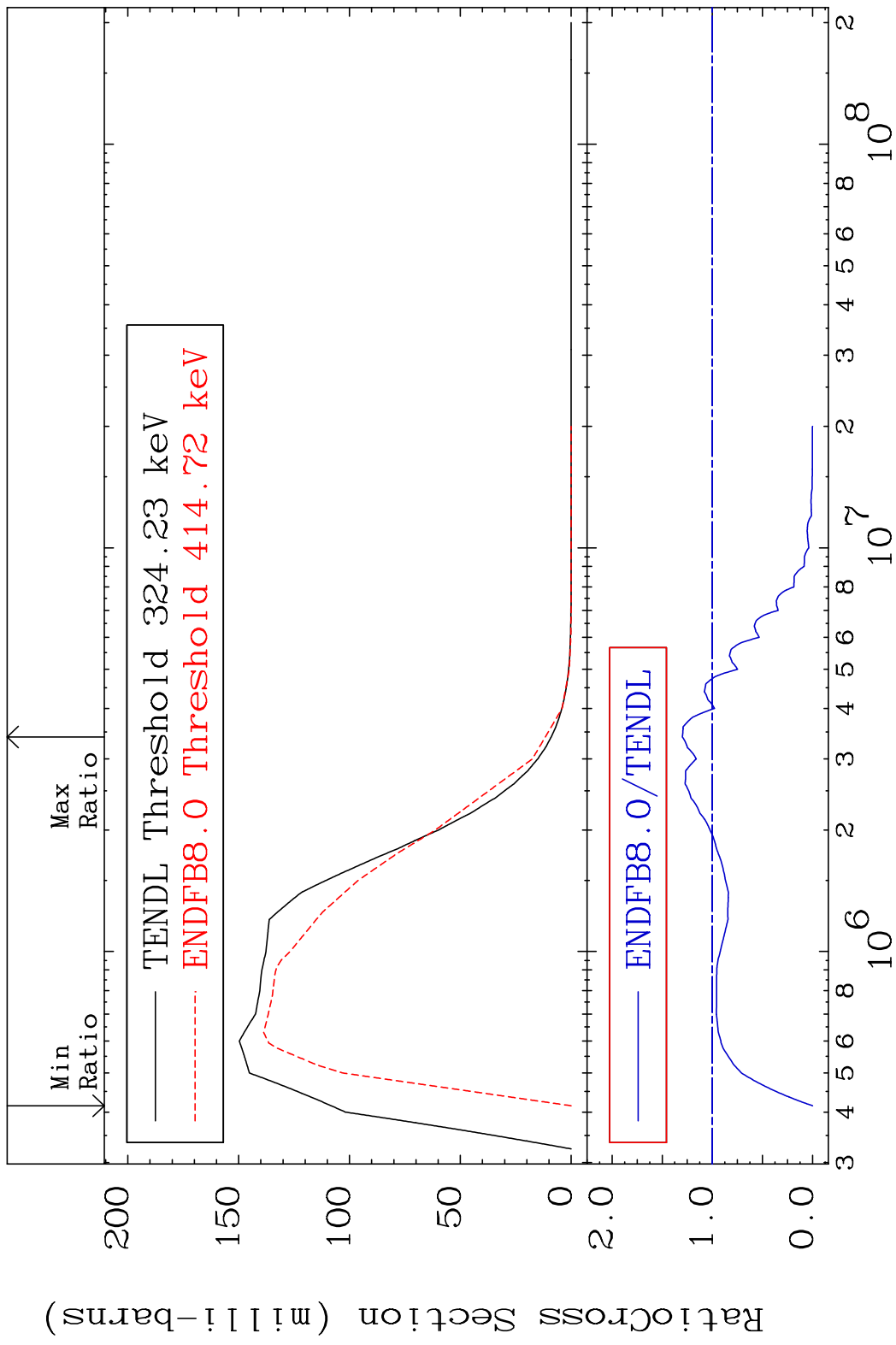
MAT 5440 MT= 53 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To 1025. %



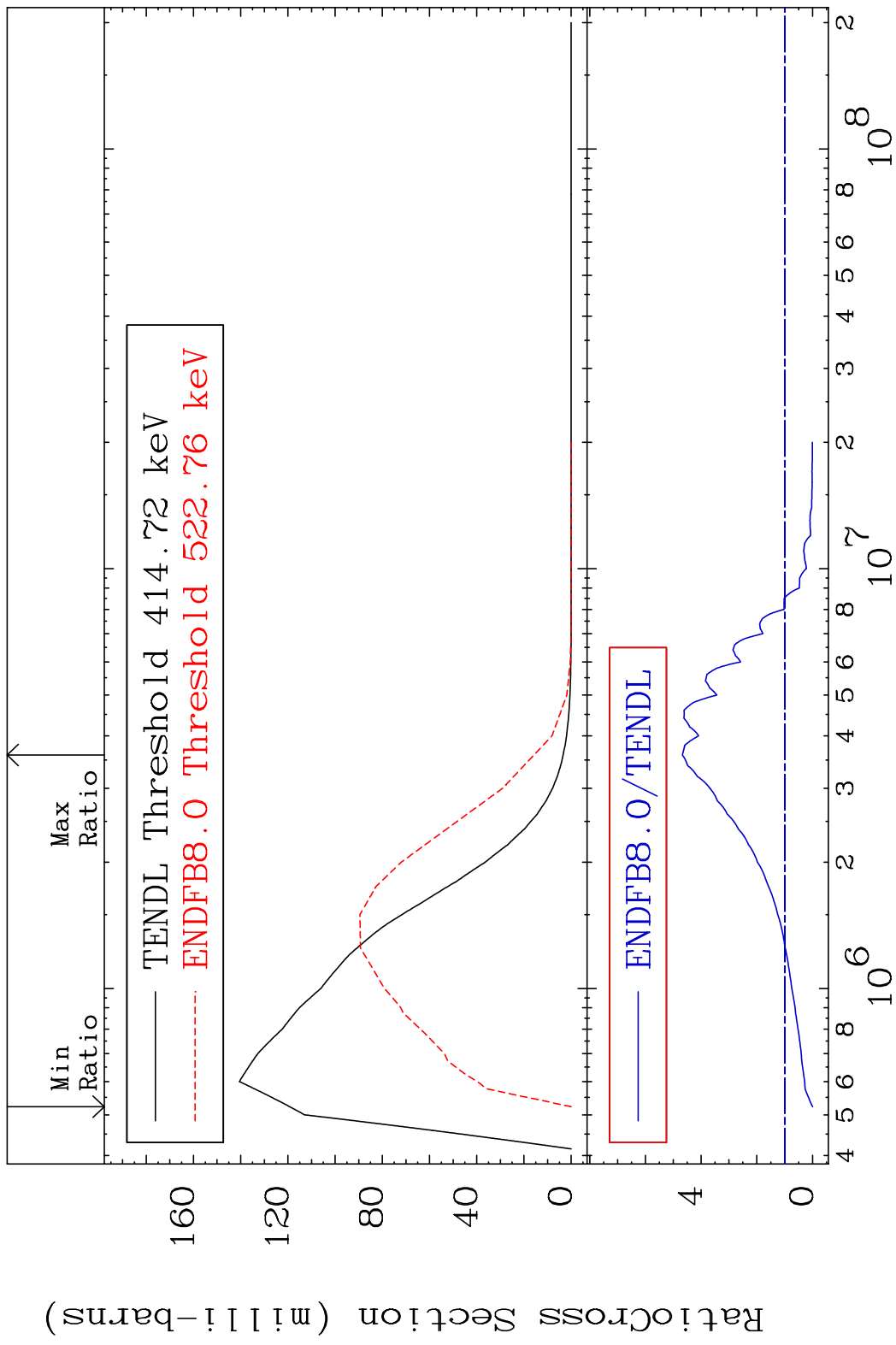
MAT 5440 MT= 54 (n,n') Level 54-Xe-129  
 Cross Section -100.0 To 206.7 %



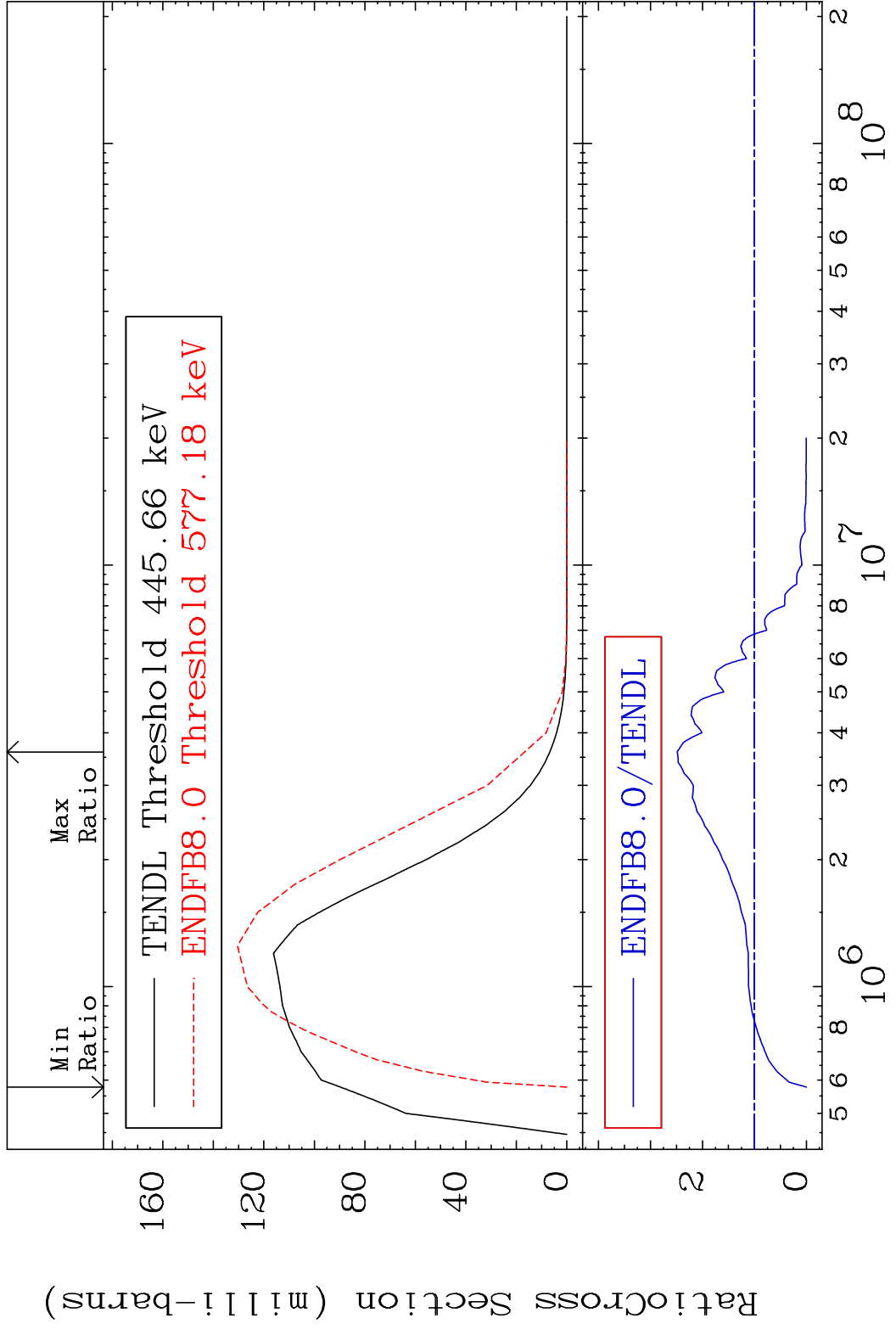
MAT 5440 MT= 55 (n,n') Level 54-Xe-129  
 Cross Section -100.0 To 29.91 %



MAT 5440 MT= 56 (n,n') Level 54-Xe-129  
 Cross Section -100.0 To 367.4 %

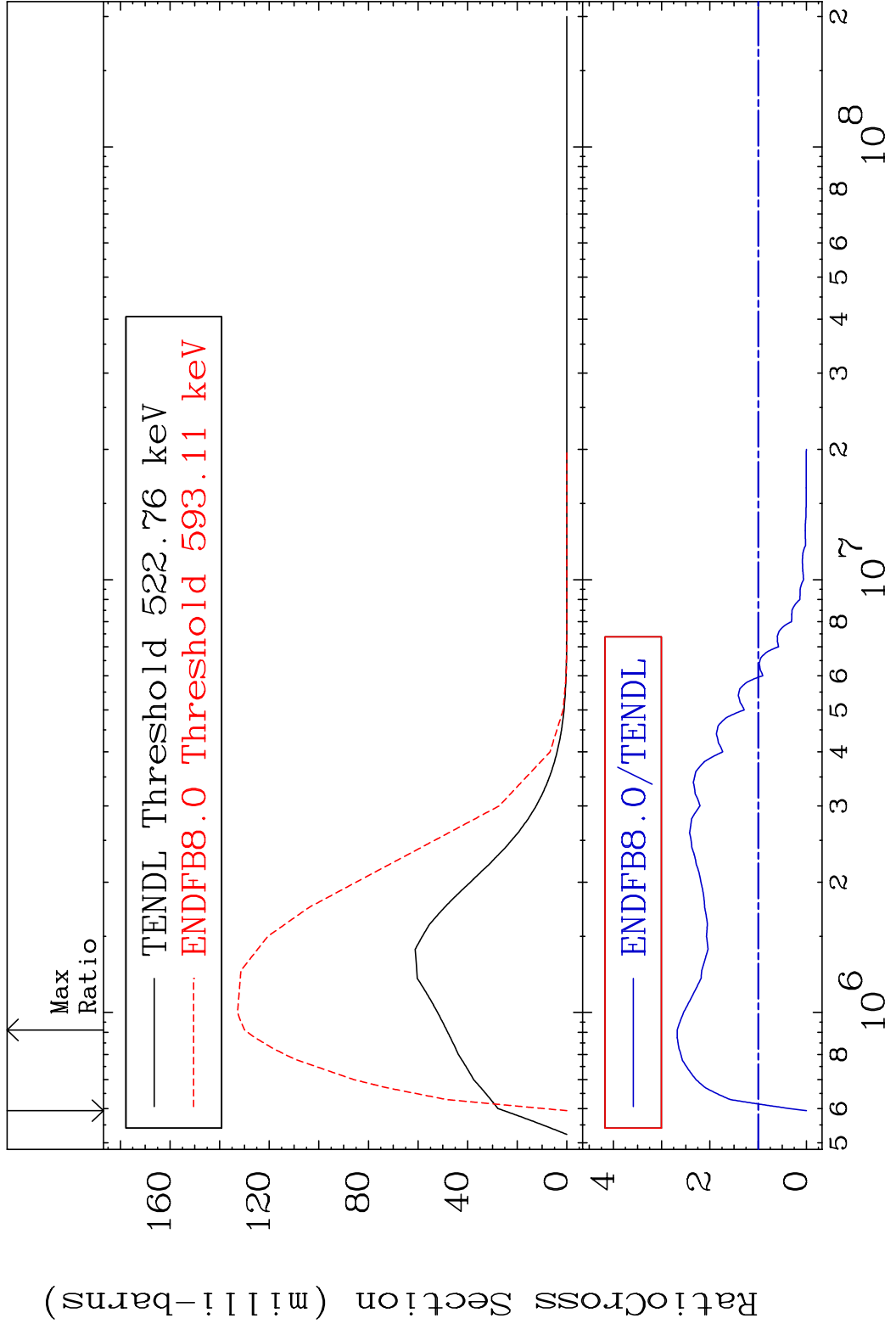


MAT 5440 MT= 57 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To 148.6 %

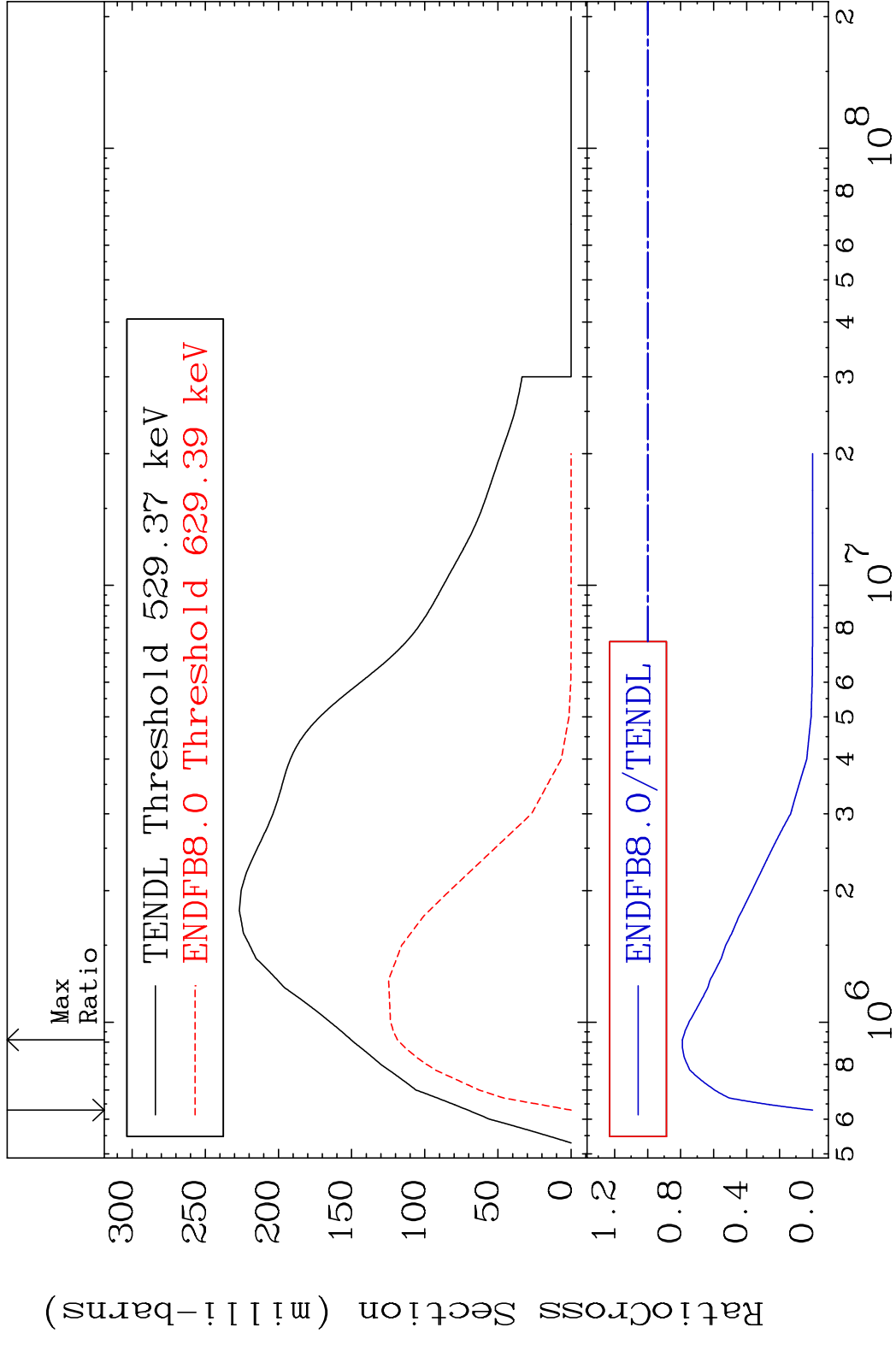


15 Incident Energy (eV) 54-Xe-129

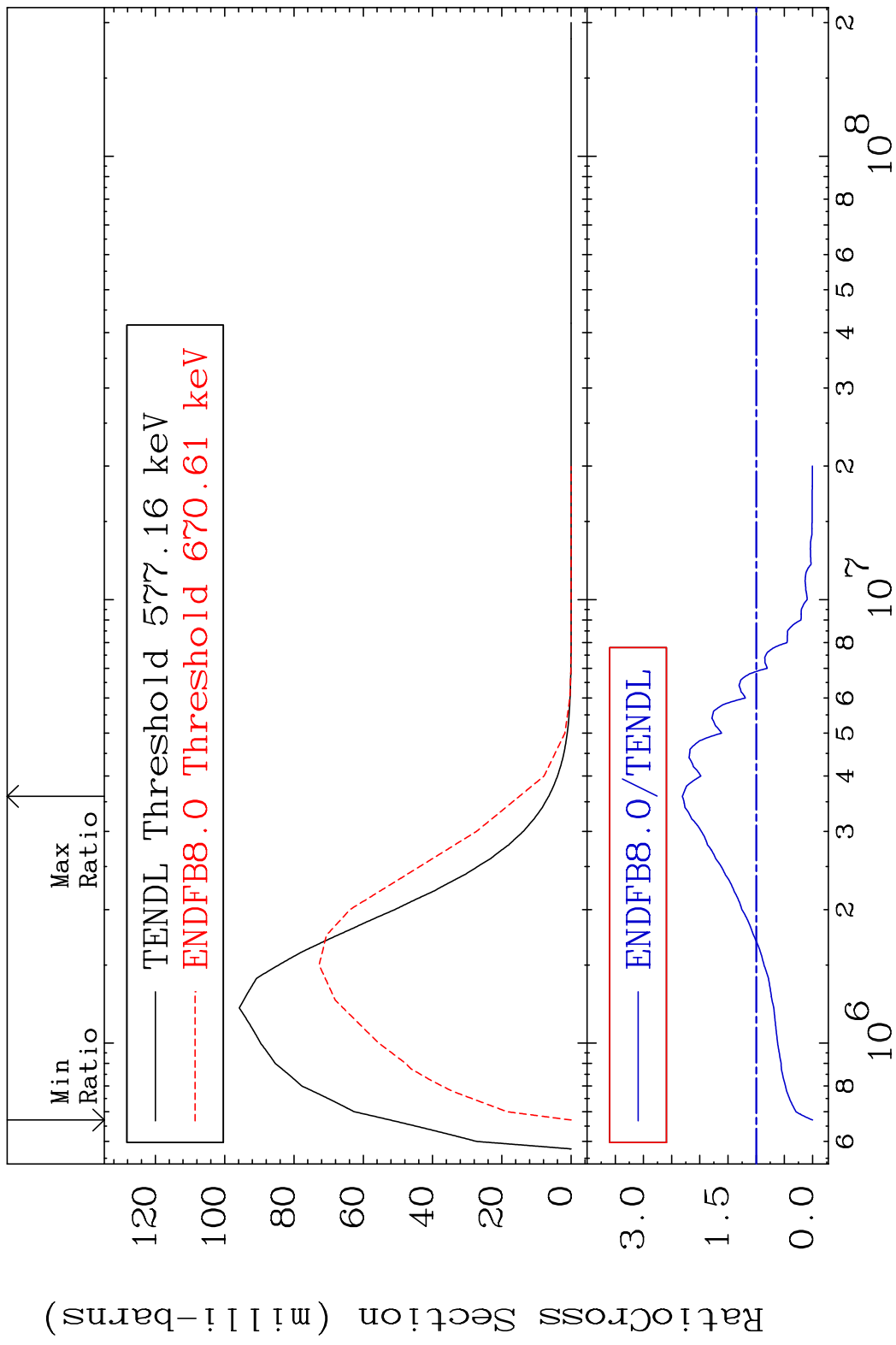
MAT 5440 MT= 58 (n,n') Level 54-Xe-129  
 Cross Section -100.0 To 167.8 %



MAT 5440 MT= 59 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To -21.04%

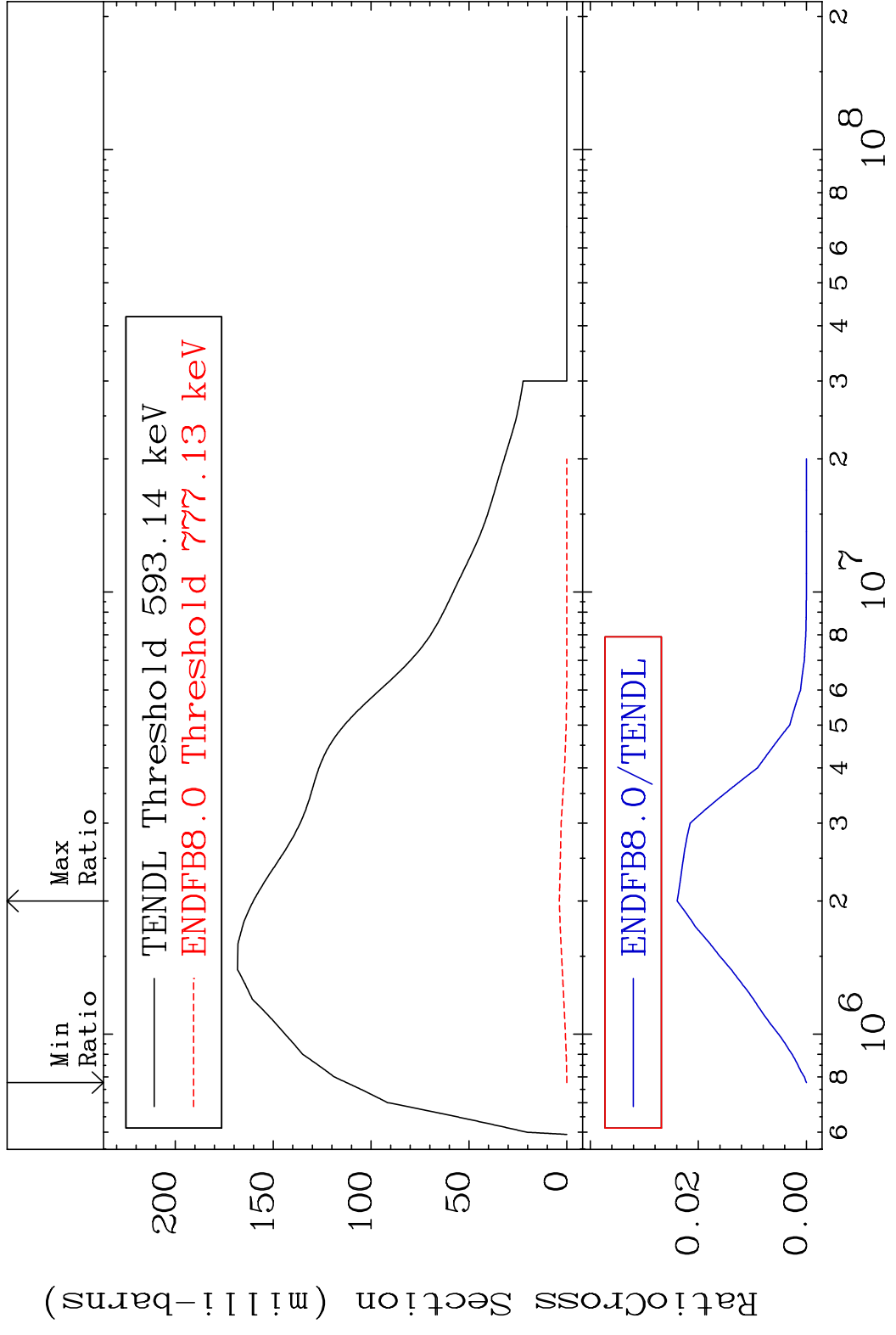


MAT 5440 MT= 60 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To 130.9 %

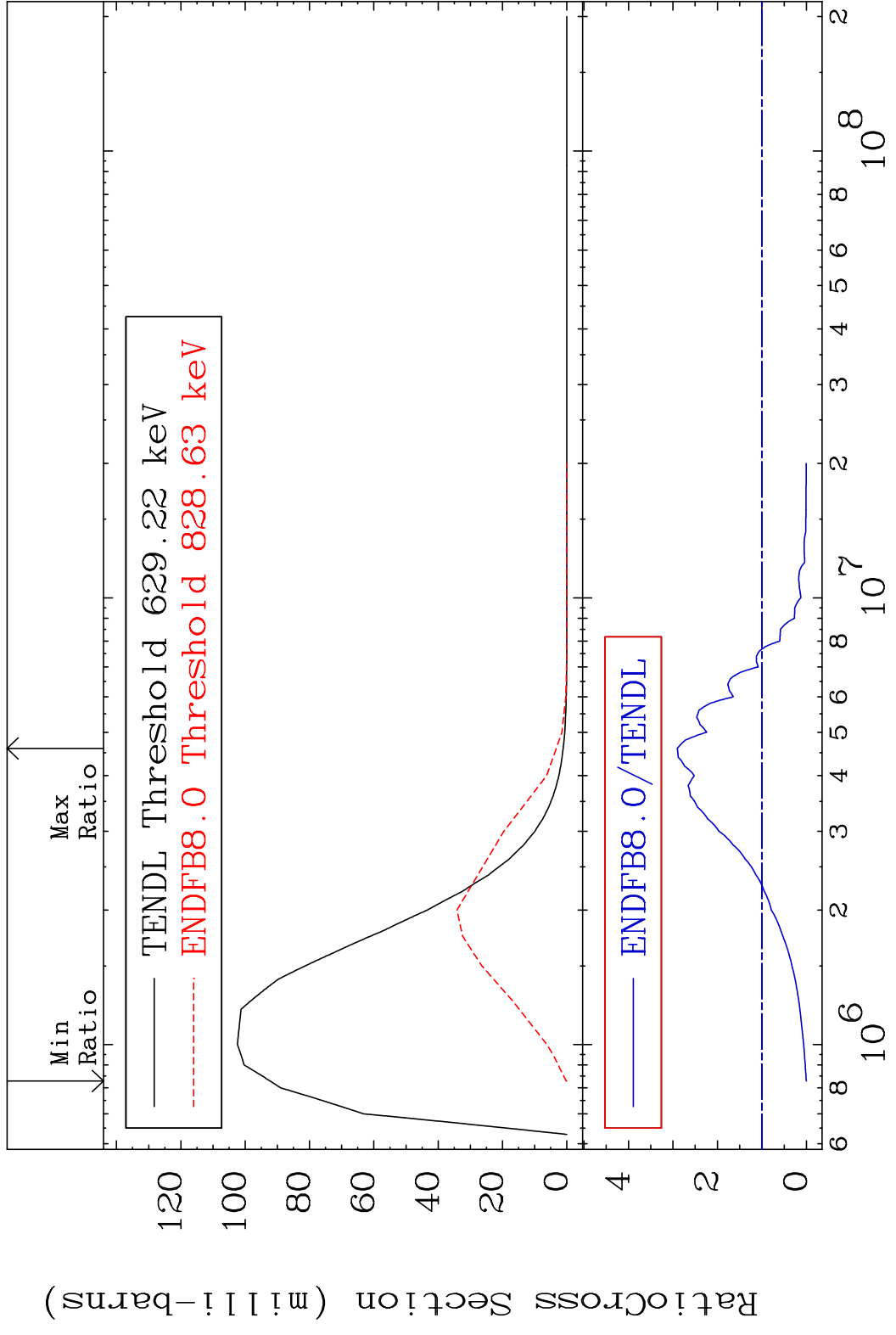


18 Incident Energy (eV) 54-Xe-129

MAT 5440 MT= 61 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To -97.61%

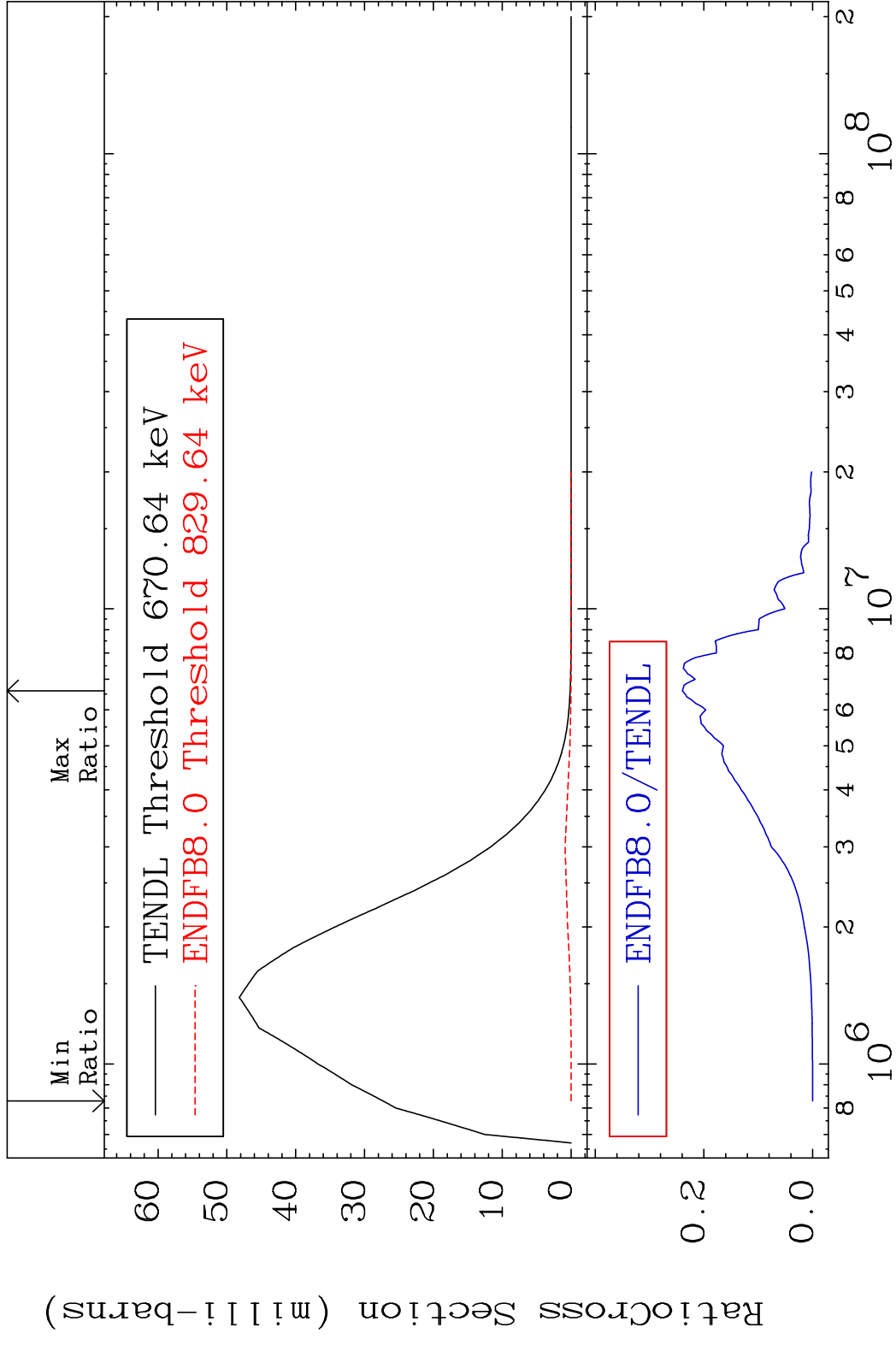


MAT 5440 MT= 62 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To 190.5 %

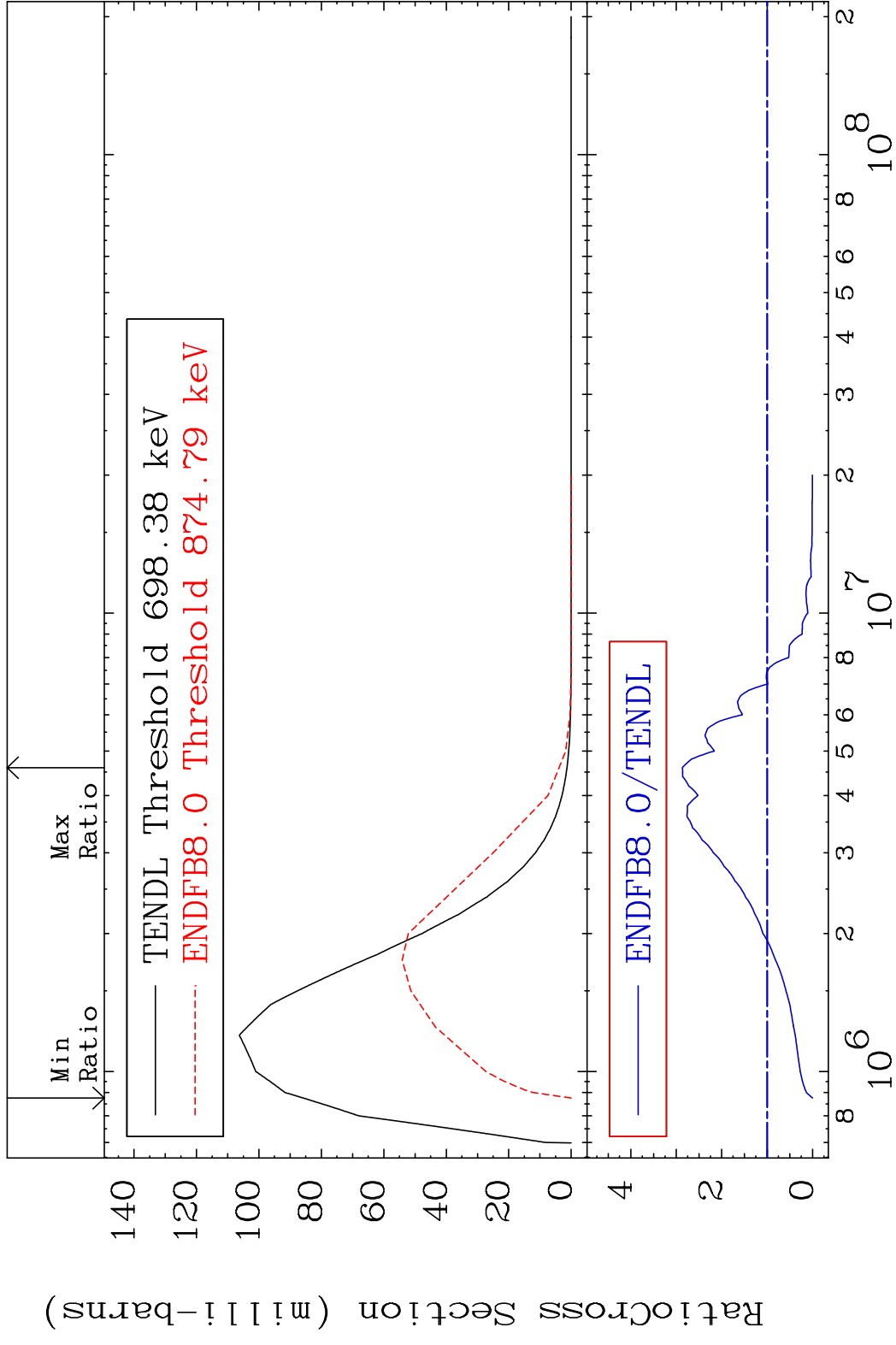


20 Incident Energy (eV) 54-Xe-129

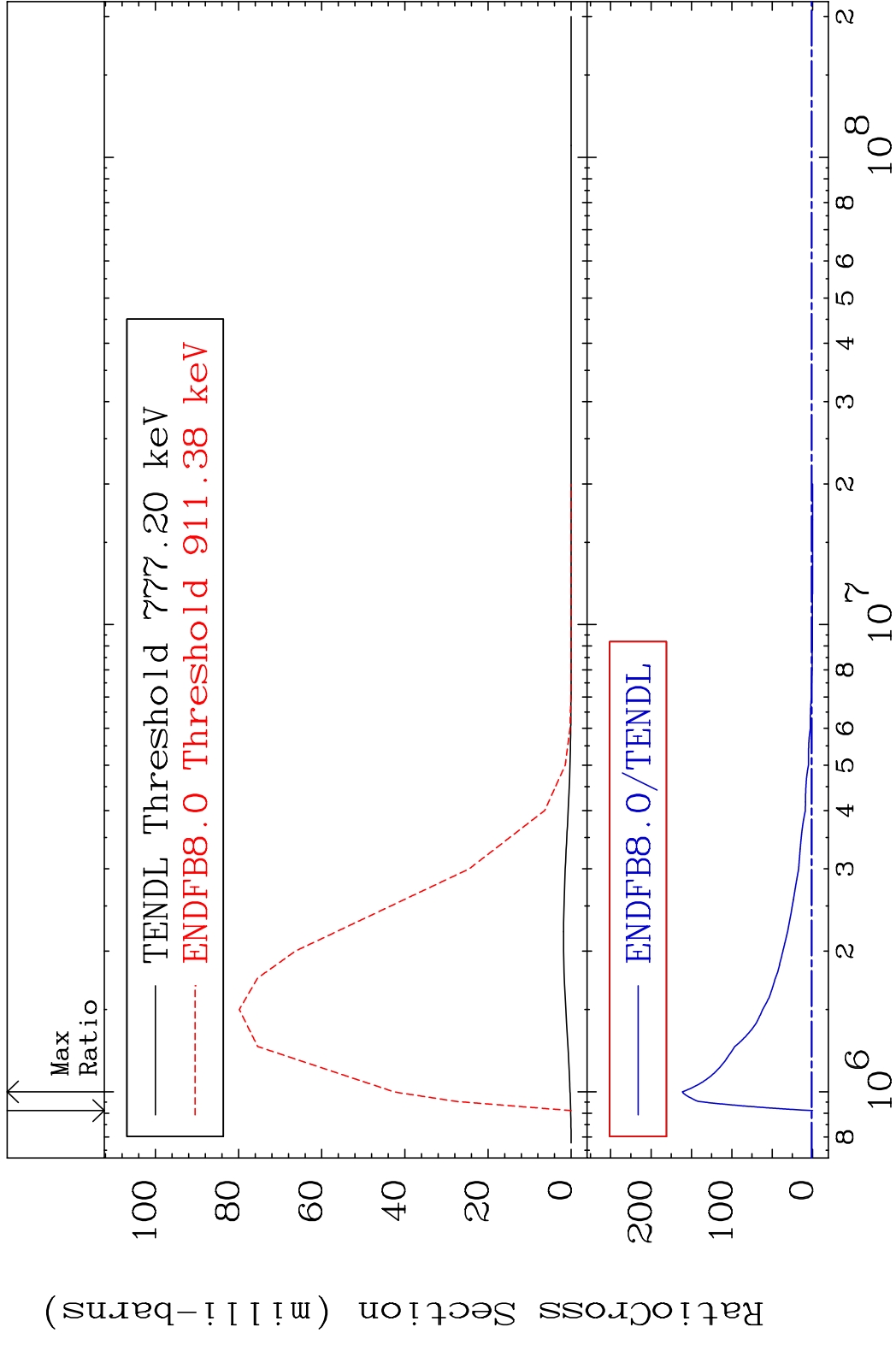
MAT 5440 MT= 63 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To -76.03%



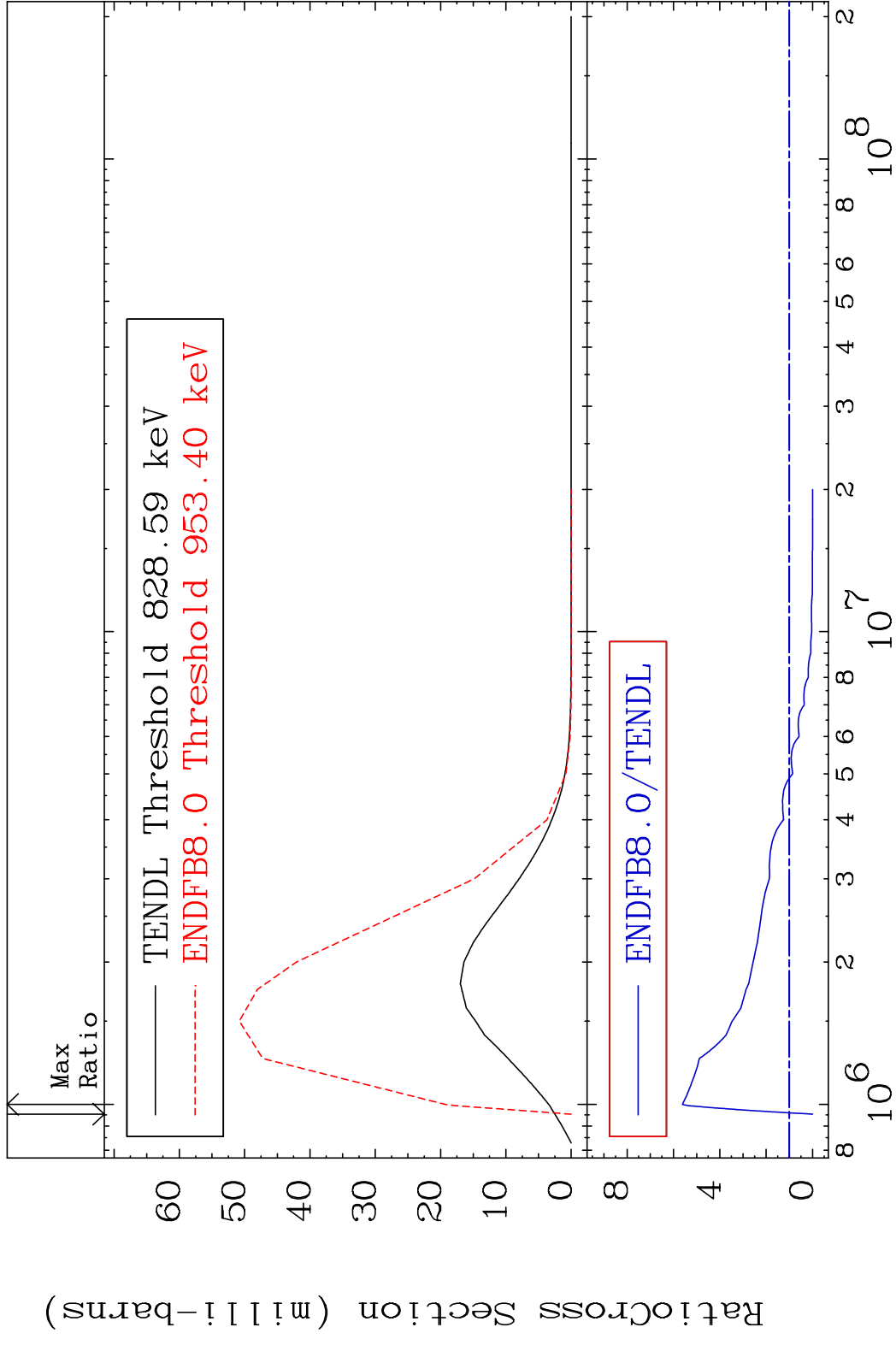
MAT 5440 MT= 64 (n, n') Level 54-Xe-129  
 Cross Section -100.0 To 186.7 %



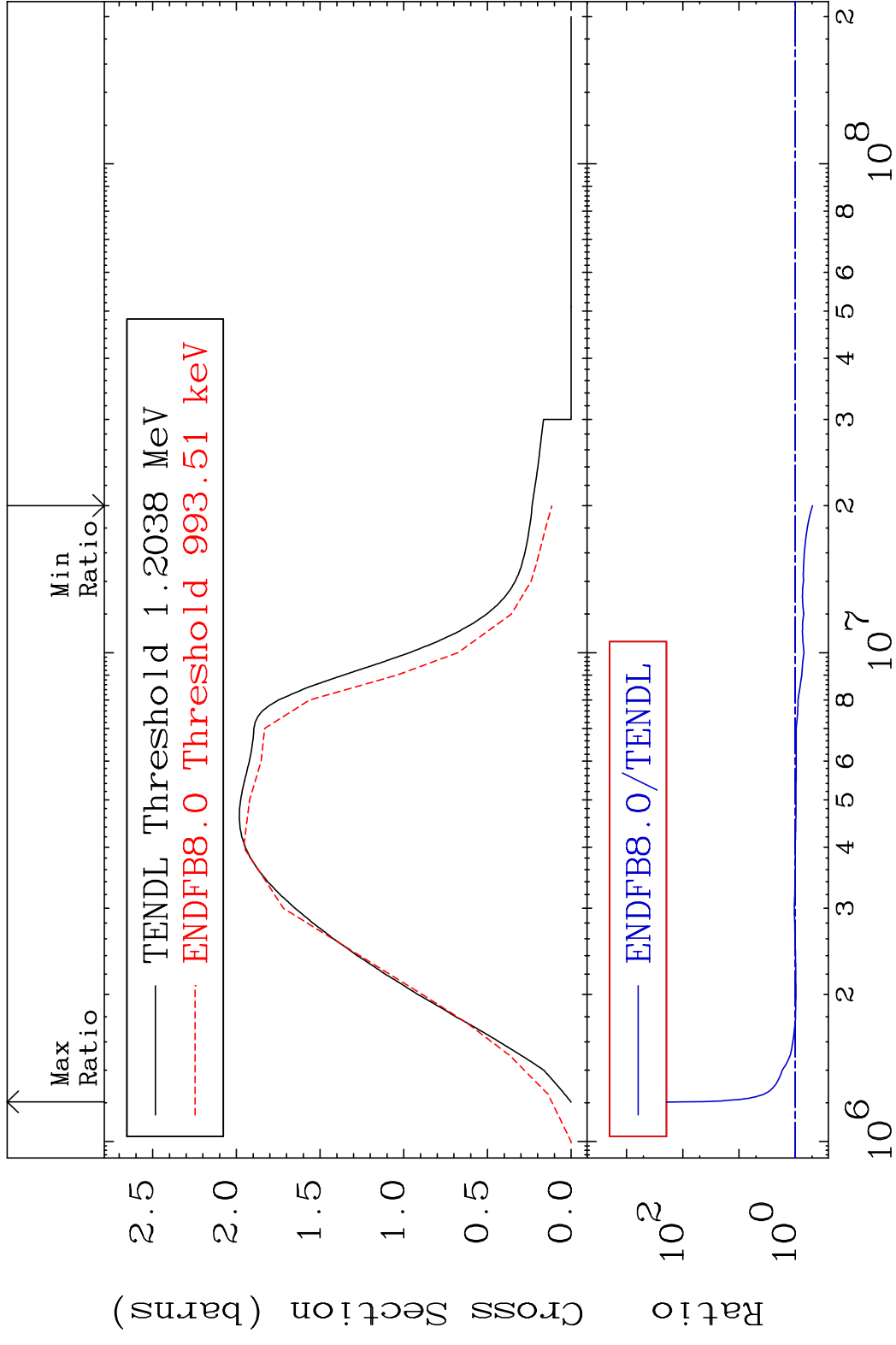
MAT 5440 MT= 65 (n,n') Level 54-Xe-129  
 Cross Section -100.0 To 9999. %



MAT 5440 MT= 66 (n,n') Level 54-Xe-129  
 Cross Section -100.0 To 461.7 %



MAT 5440 (n, n') Continuum 54-Xe-129  
 Cross Section -50.73 To 9999. %



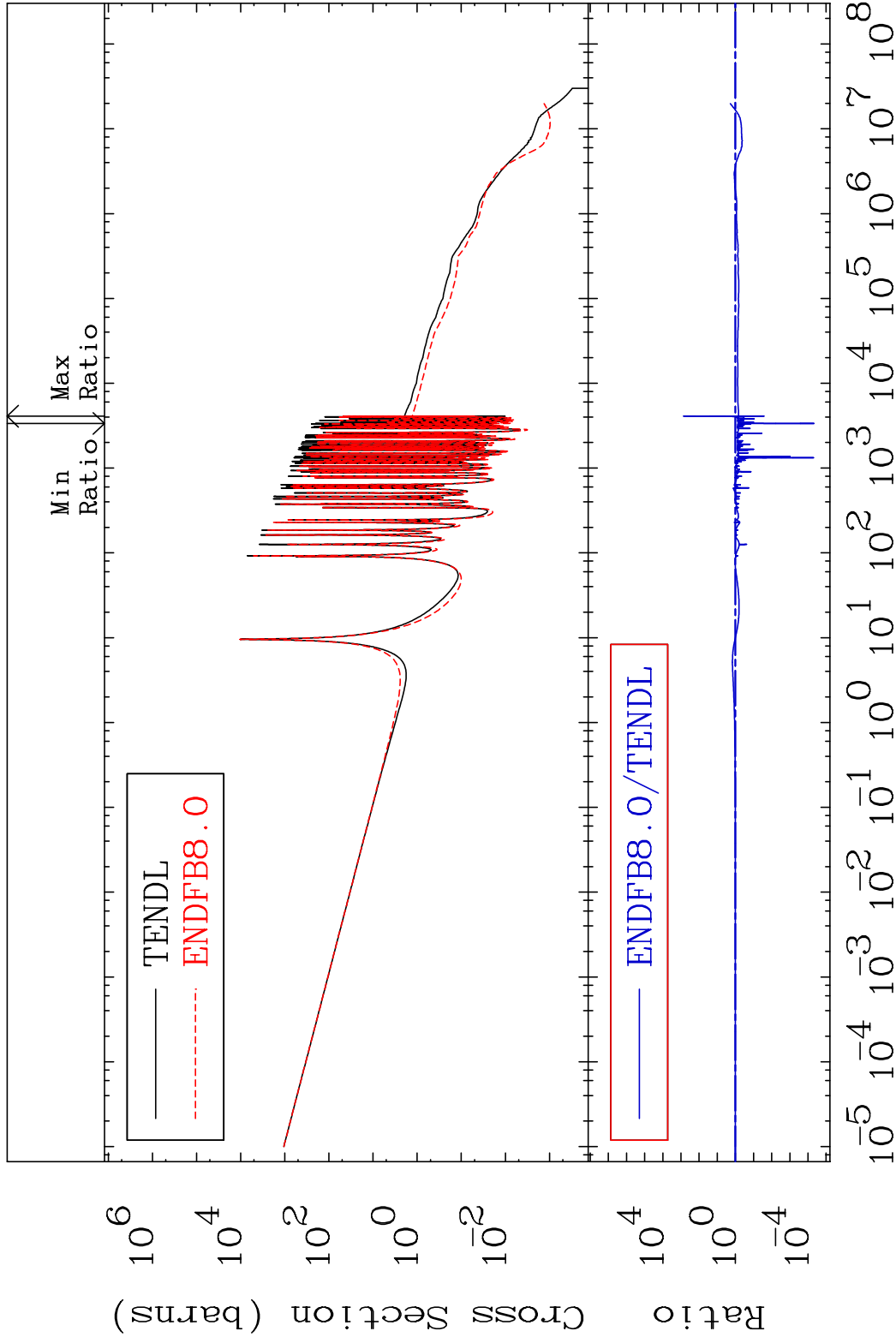
25 Incident Energy (eV) 54-Xe-129

MAT 5440

(n,  $\gamma$ )

54-Xe-129

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

54-Xe-129

MAT 5440

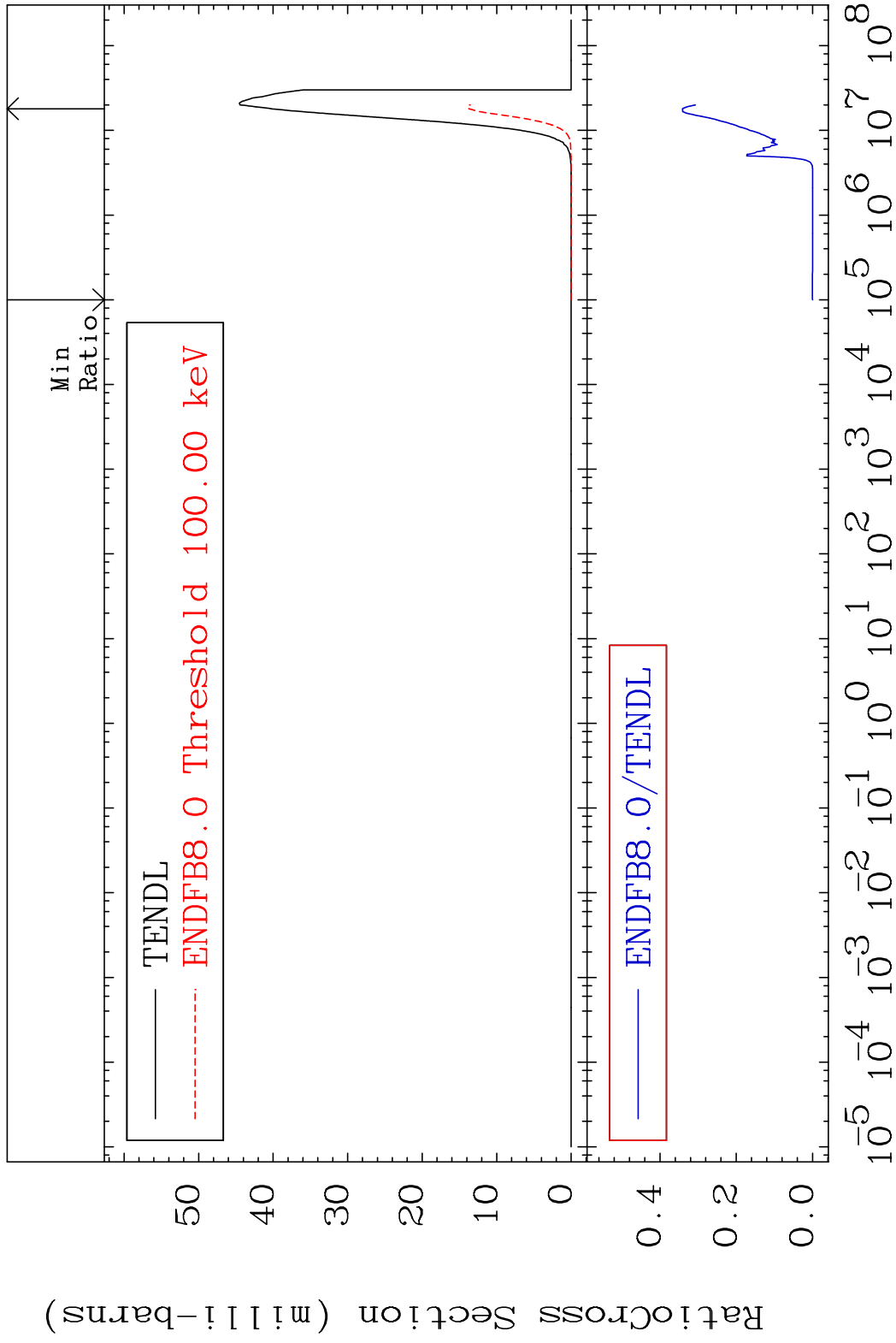
(n, p)

54-Xe-129

Cross Section

-100.0 To

-65.87%



27

Incident Energy (eV)

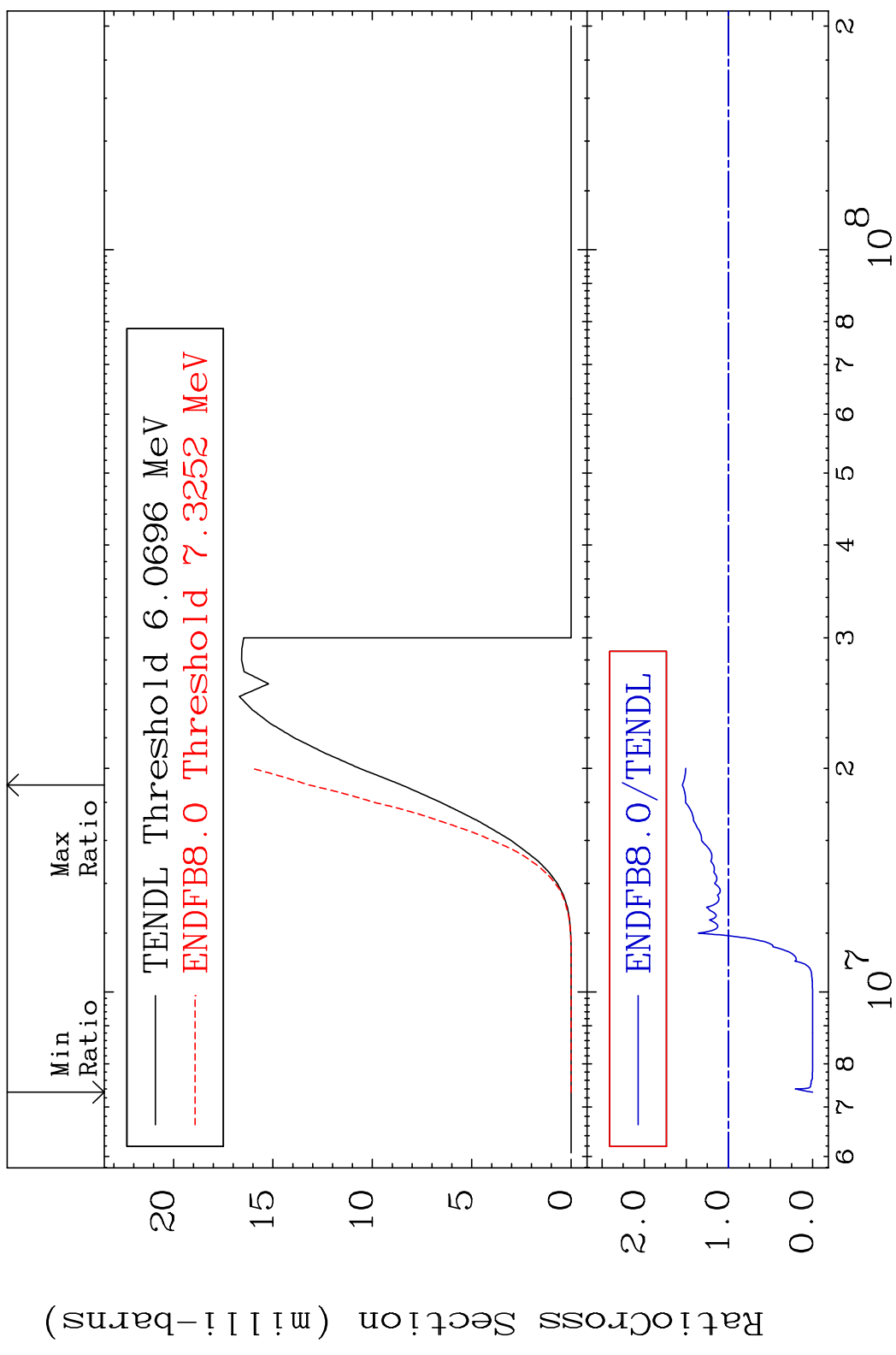
54-Xe-129

MAT 5440

(n,d)

54-Xe-129

Cross Section -100.0 To 54.68 %



28

Incident Energy (eV)

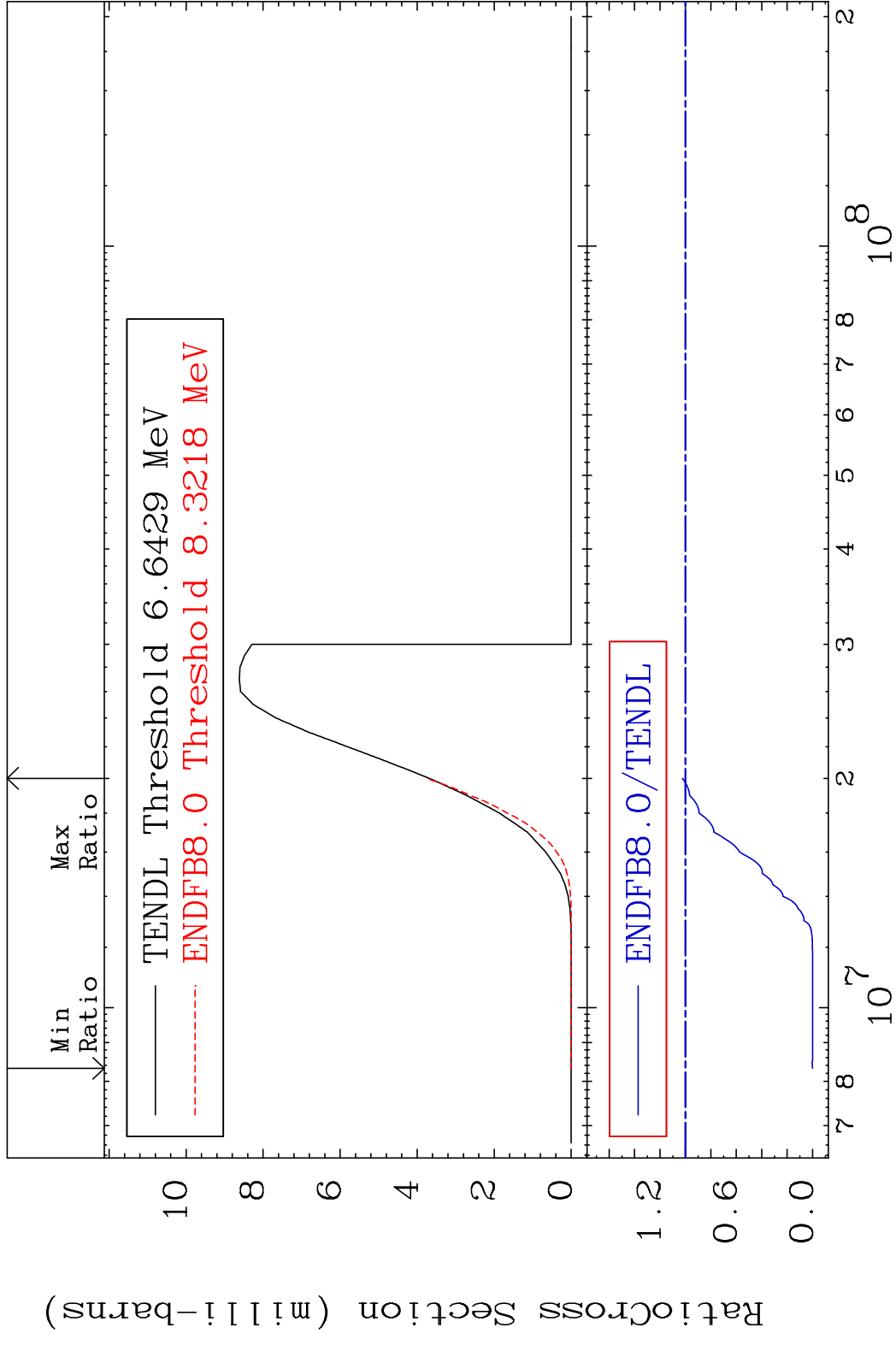
54-Xe-129

MAT 5440

54-Xe-129

(n, t)

Cross Section -100.0 To 2.408 %

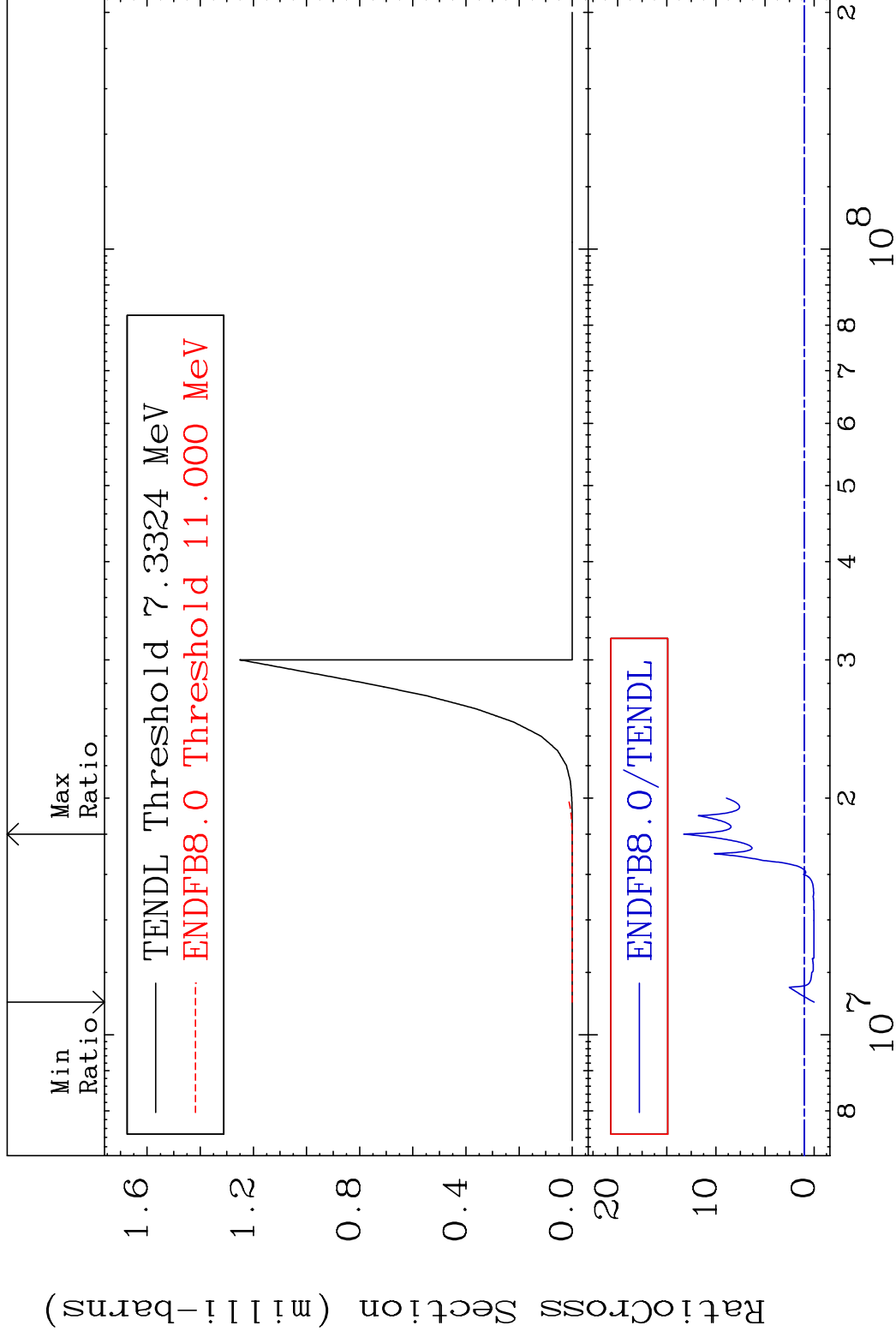


MAT 5440

(n, He-3)

54-Xe-129

Cross Section -100.0 To 1228. %



30

Incident Energy (eV)

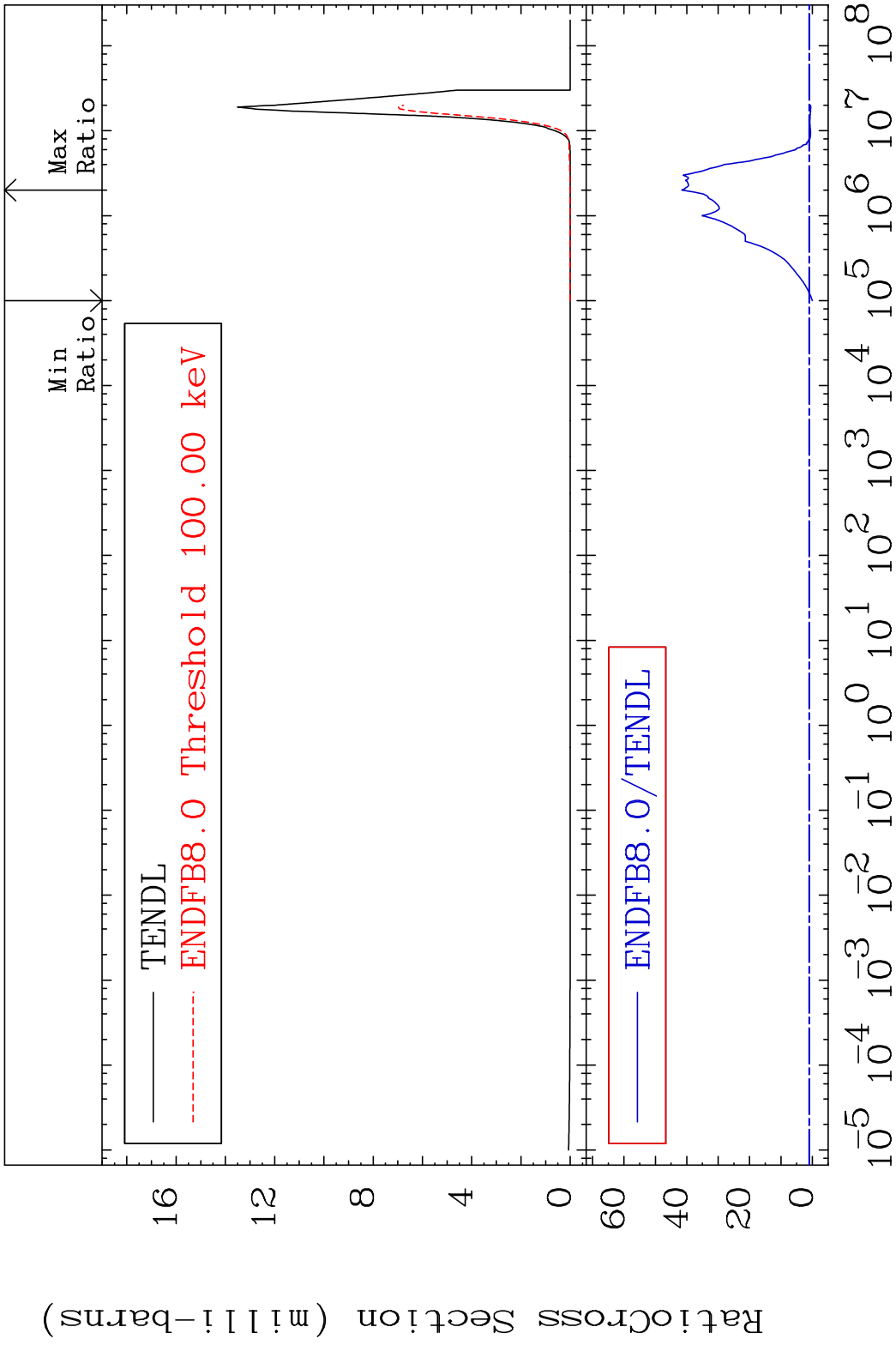
54-Xe-129

MAT 5440

(n,  $\alpha$ )

54-Xe-129

Cross Section -100.0 To 4061. %



31

Incident Energy (eV)

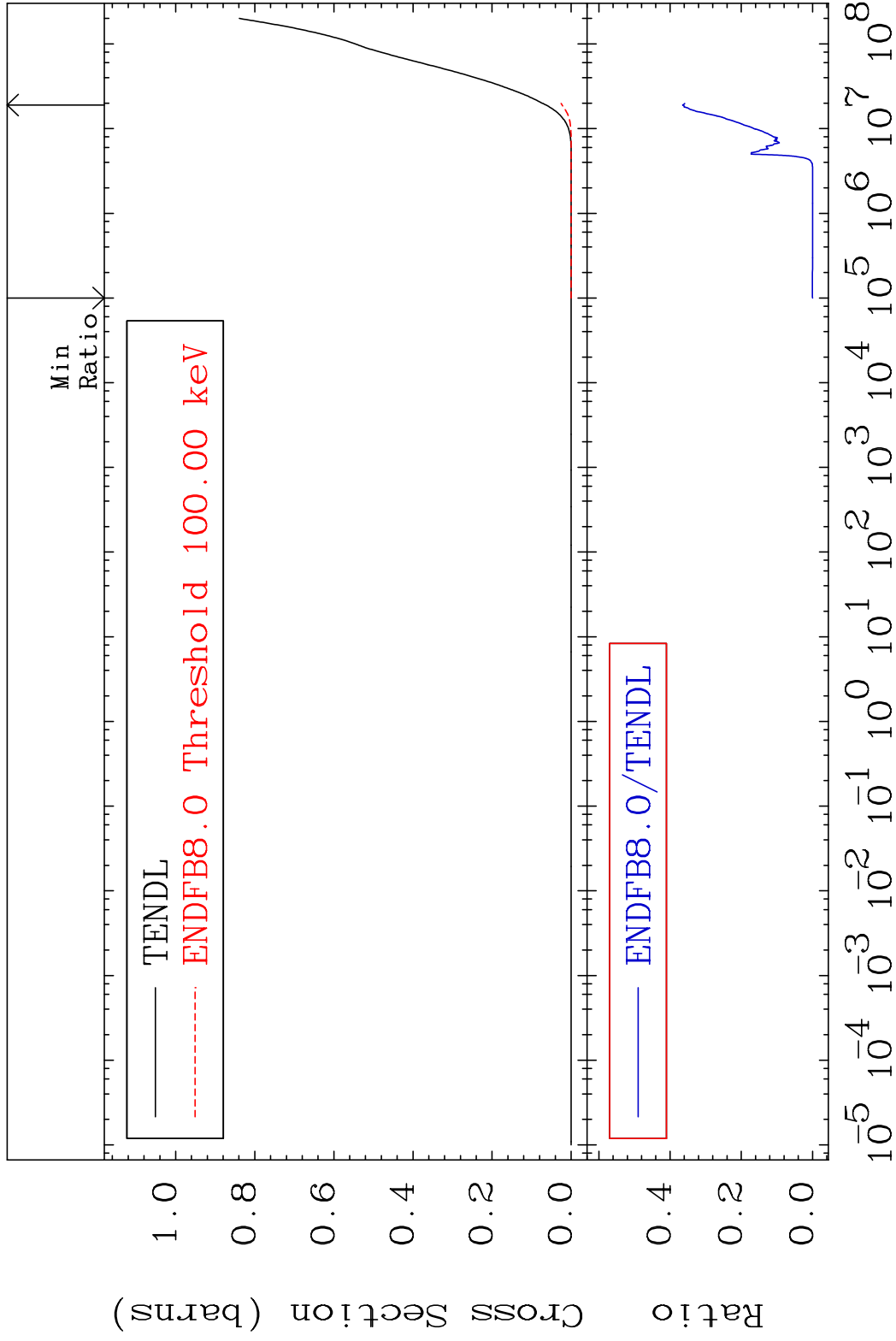
54-Xe-129

MAT 5440

Hydrogen Production

54-Xe-129

Cross Section -100.0 To -63.45%



32

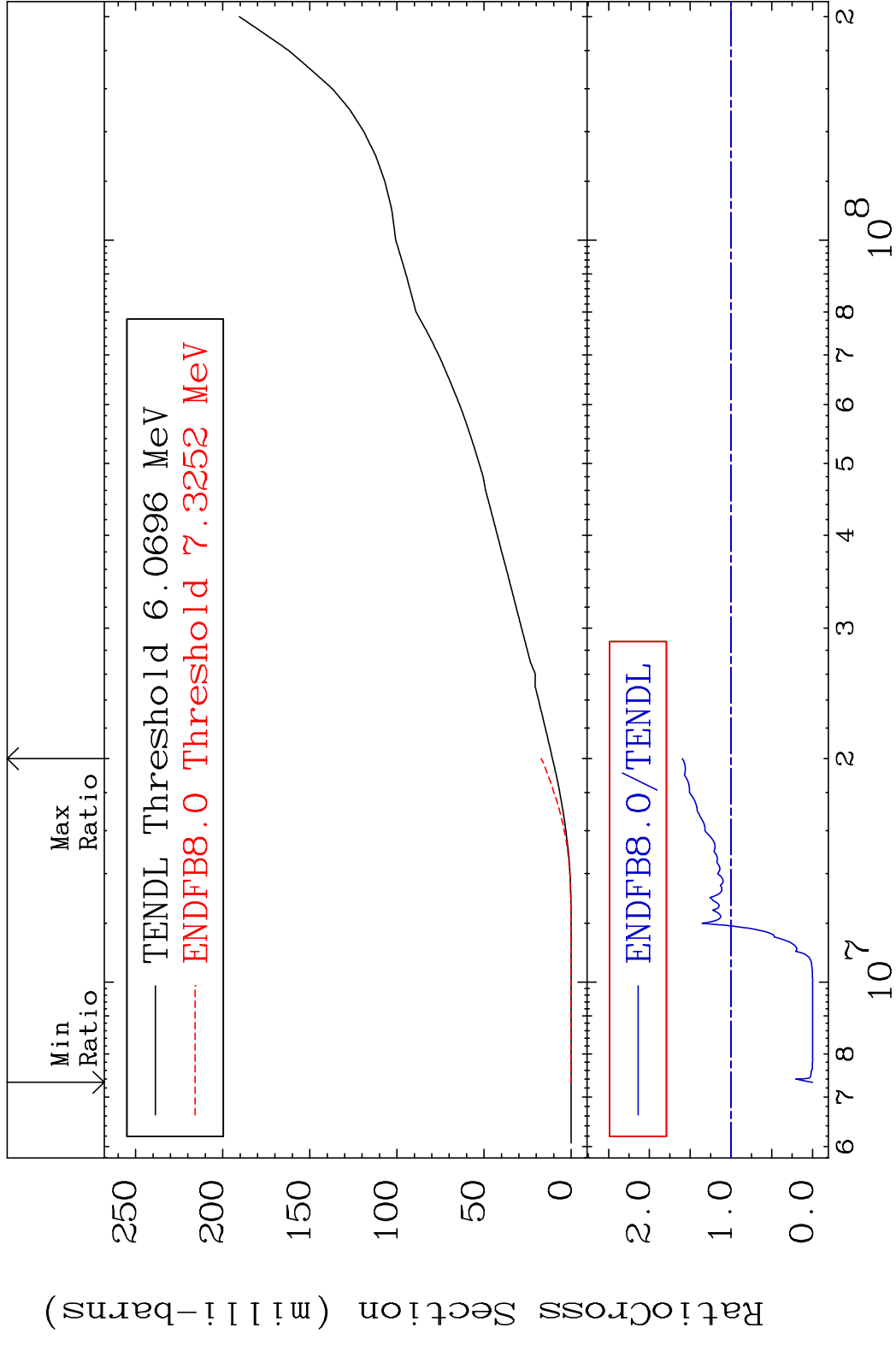
Incident Energy (eV)

54-Xe-129

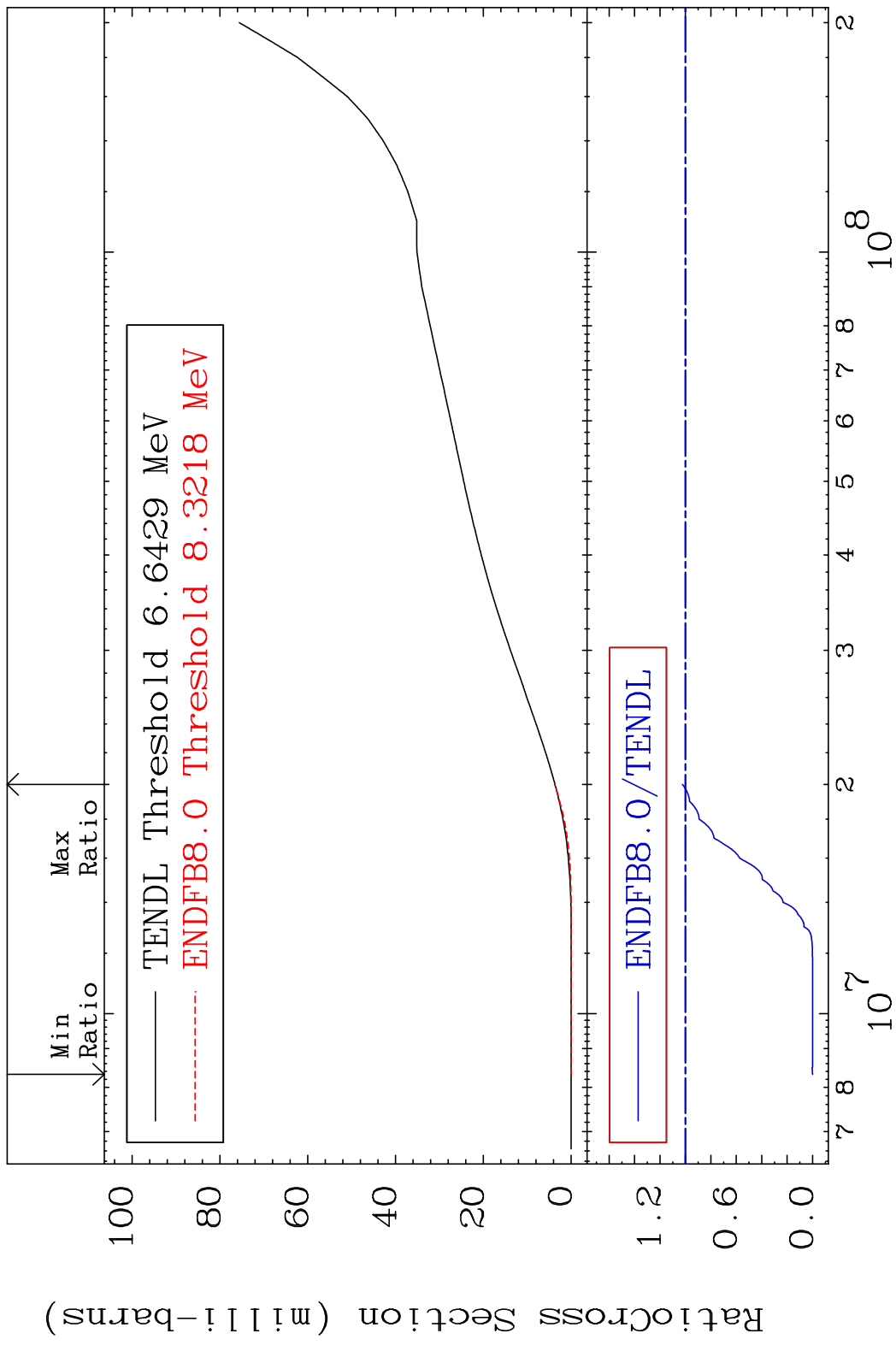
MAT 5440

Deuterium Production 54-Xe-129

Cross Section -100.0 To 59.63 %



MAT 5440 Tritium Production 54-Xe-129  
 Cross Section -100.0 To 2.407 %

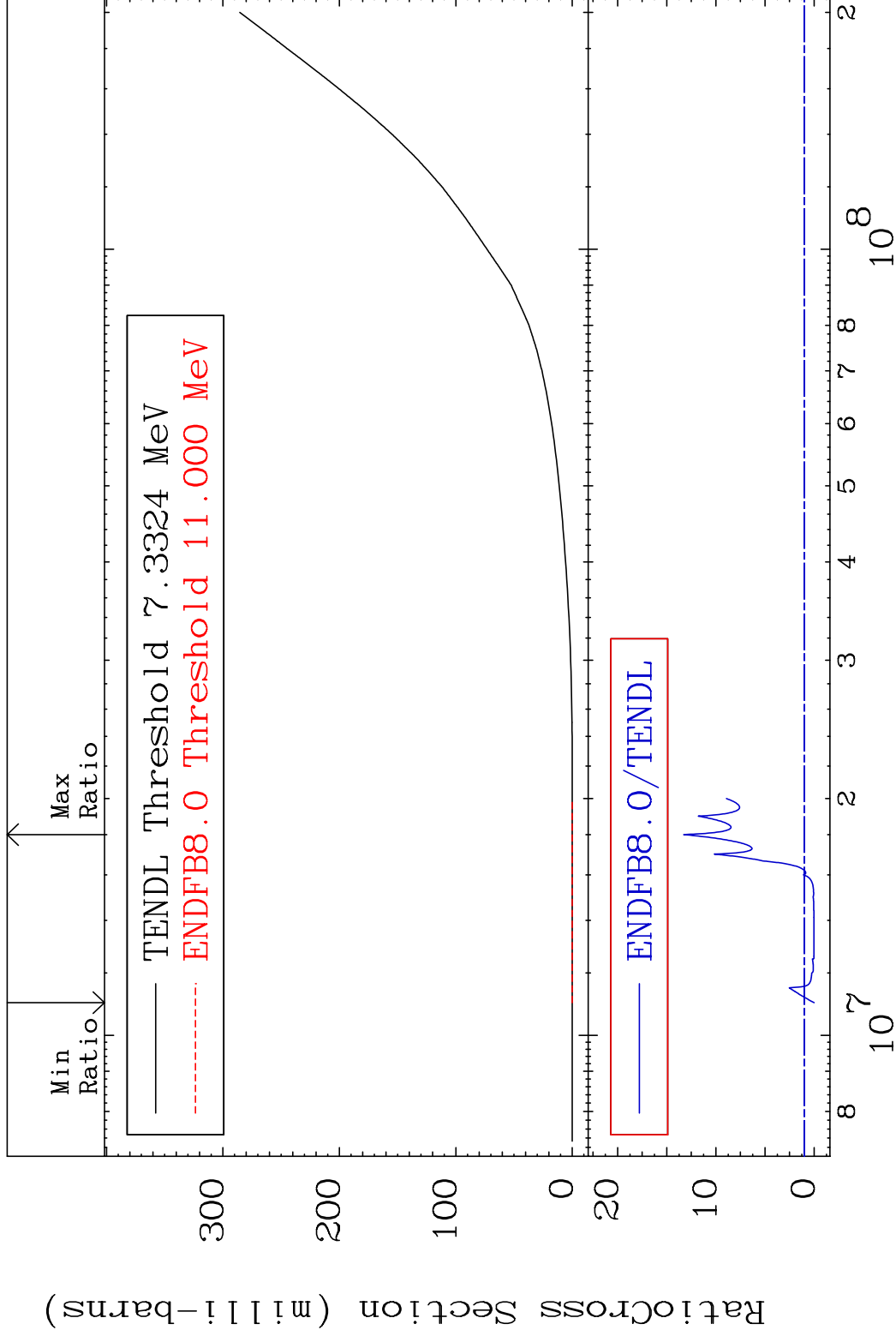


MAT 5440

He-3 Production

54-Xe-129

Cross Section -100.0 To 1228. %



35

Incident Energy (eV)

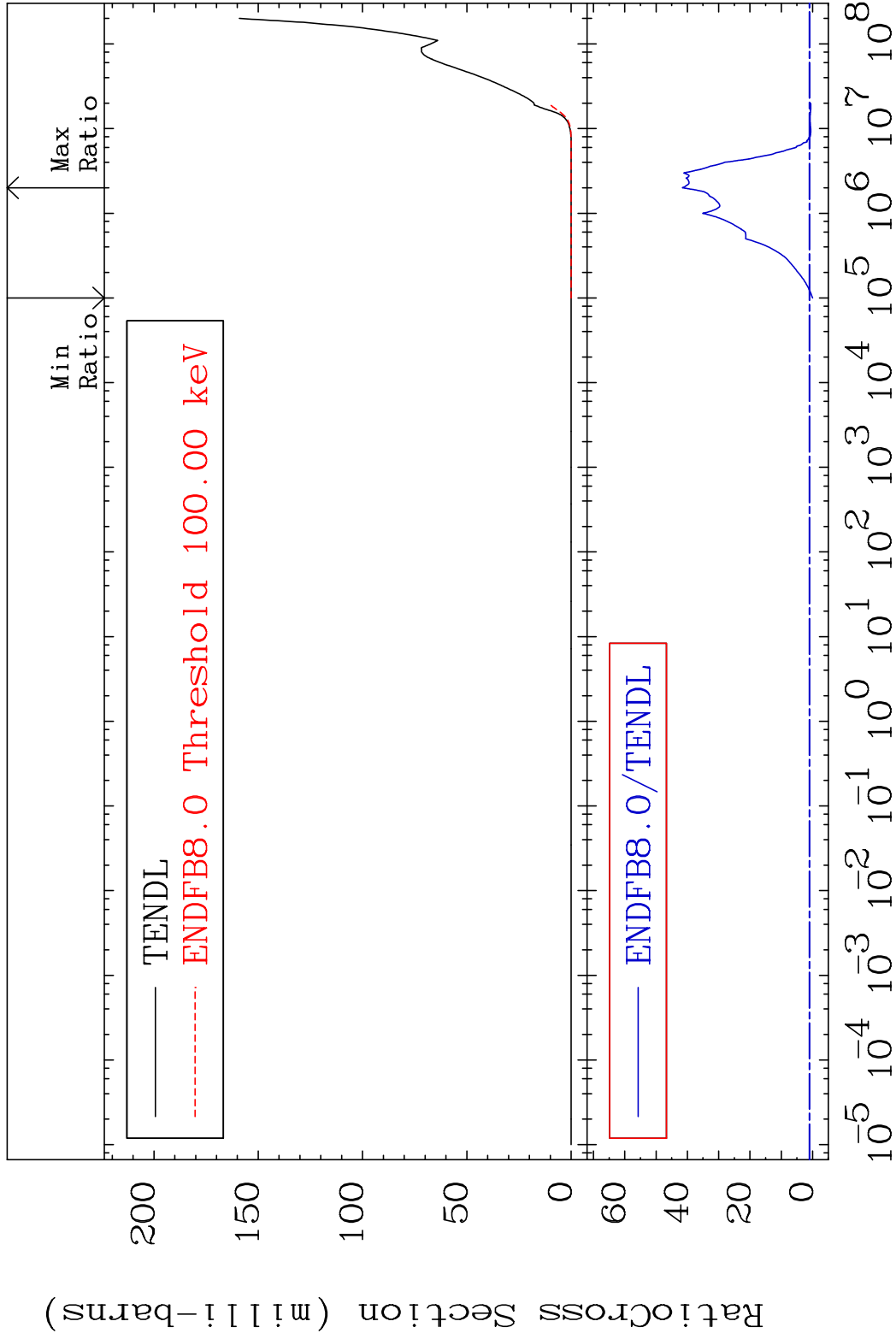
54-Xe-129

MAT 5440

He-4 Production

54-Xe-129

Cross Section -100.0 To 4061. %



36

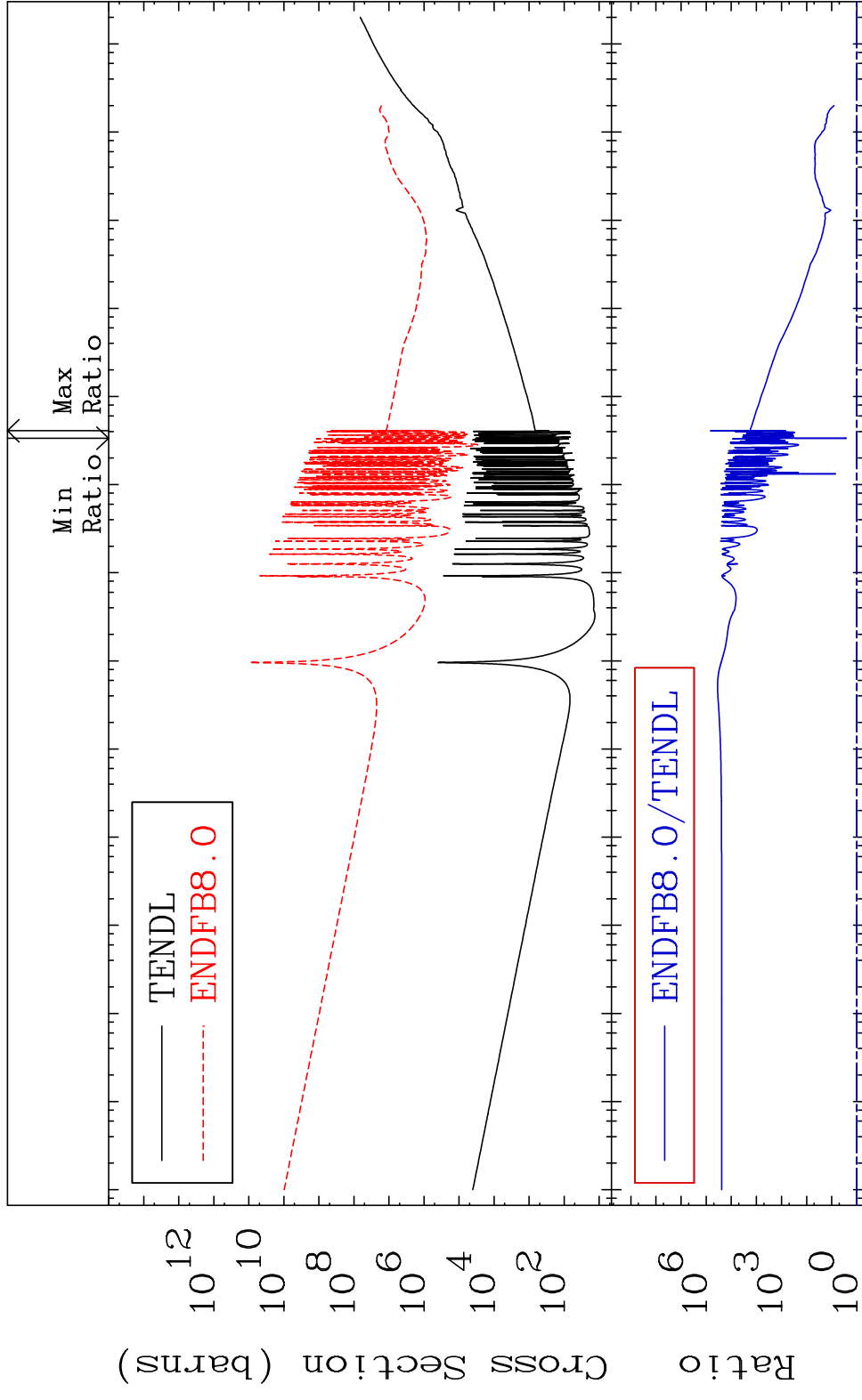
Incident Energy (eV)

54-Xe-129

MAT 5440

Kerma total (eV-barns) 54-Xe-129

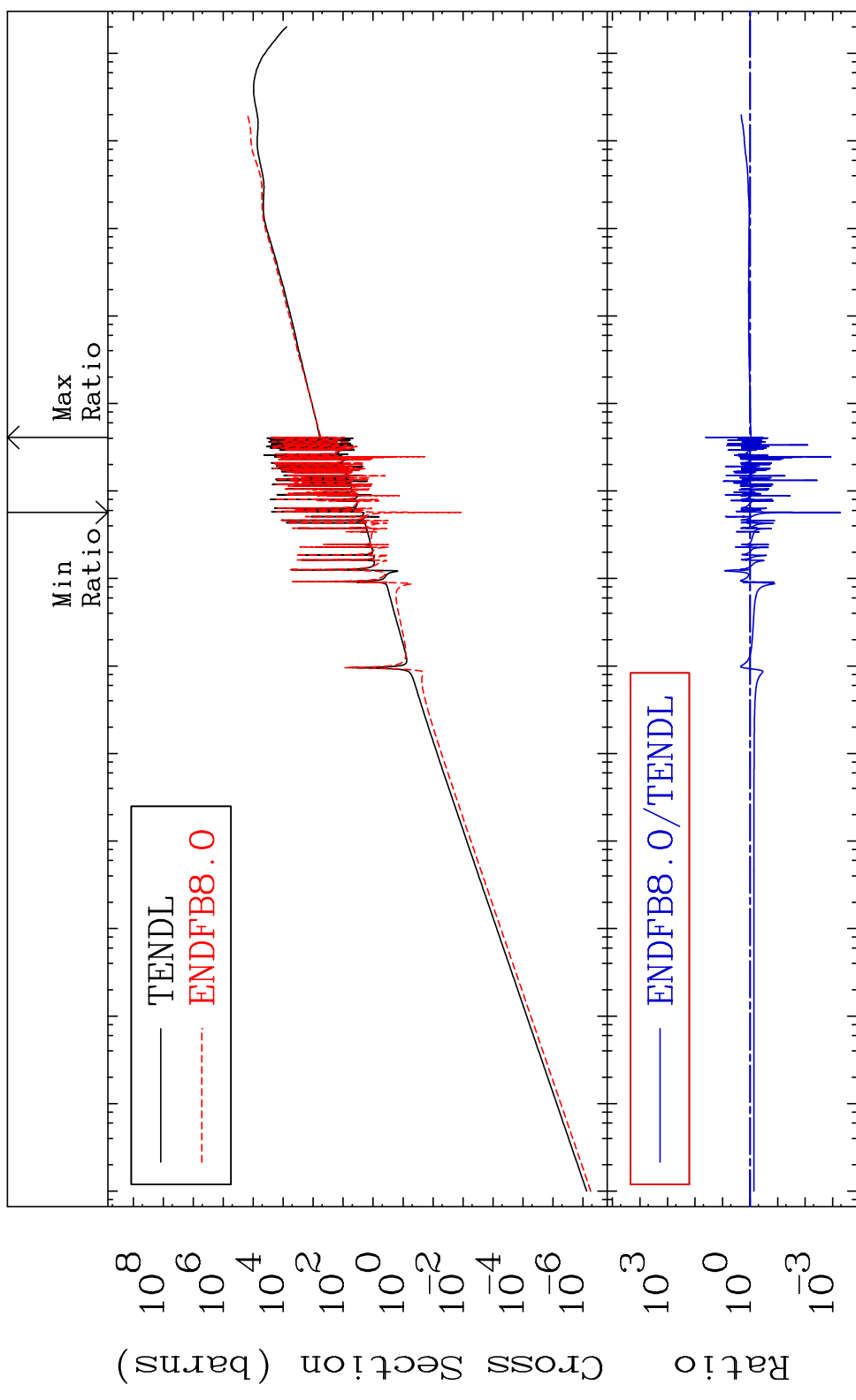
Cross Section 162.4 To 9999. %



MAT 5440

Kerma elastic Cross Section -99.95 To 3982. %

54-Xe-129

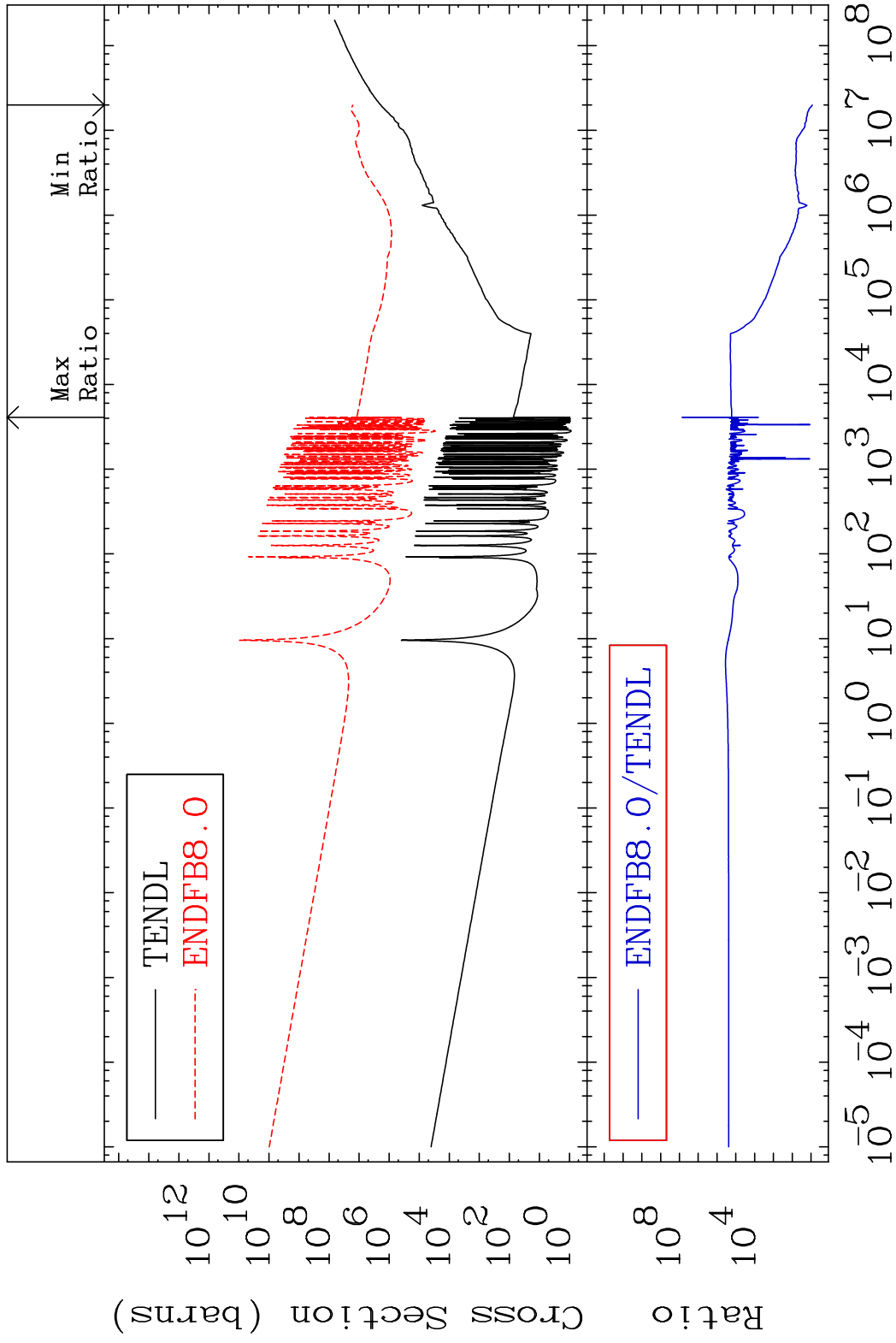


Ratio

10<sup>8</sup>  
10<sup>6</sup>  
10<sup>4</sup>  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>-4</sup>  
10<sup>-6</sup>  
10<sup>-8</sup>

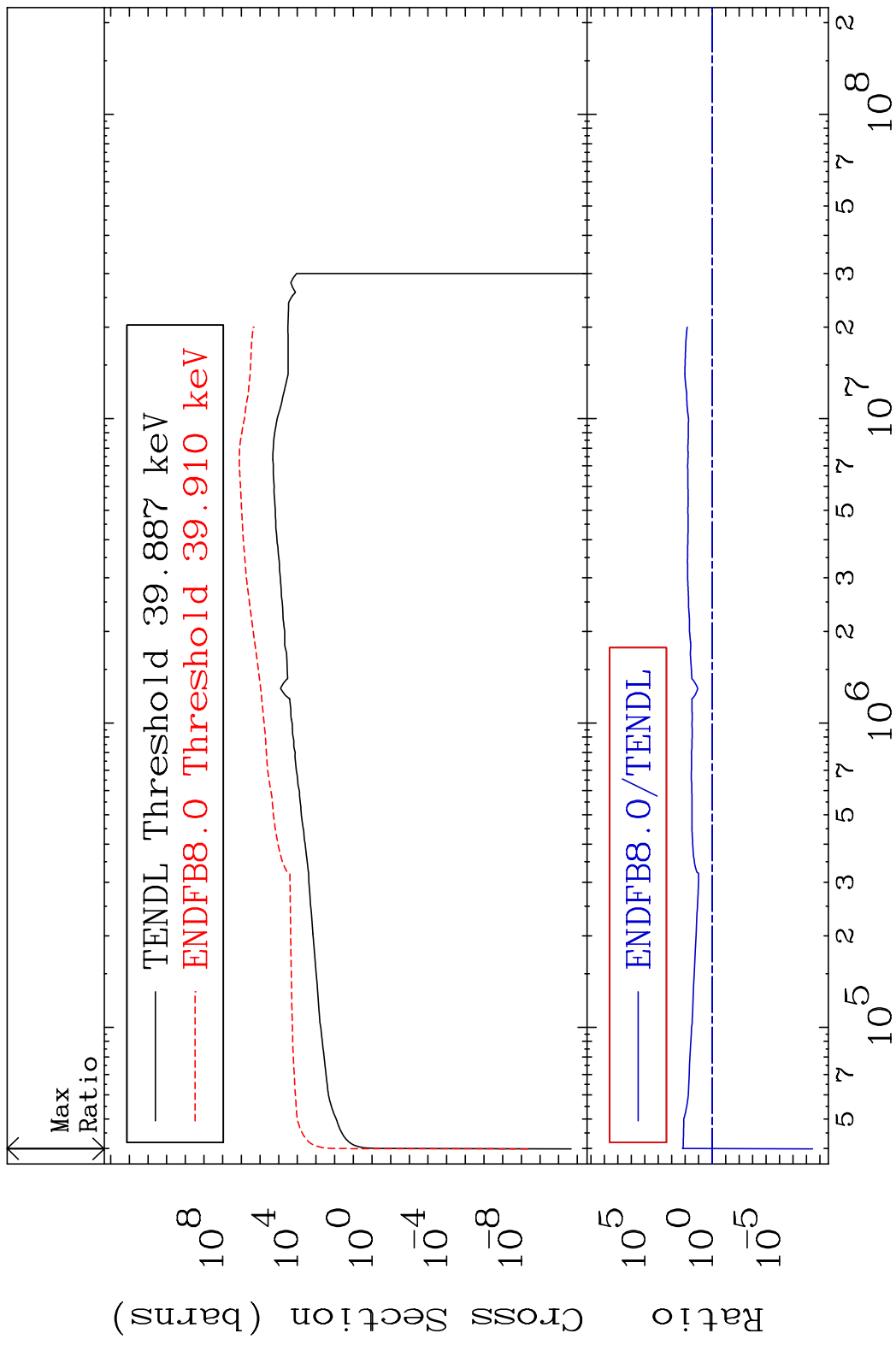
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 5440 Kerma non-elastic (all but mt2) 54-Xe-129  
 Cross Section 728.7 To 9999. %

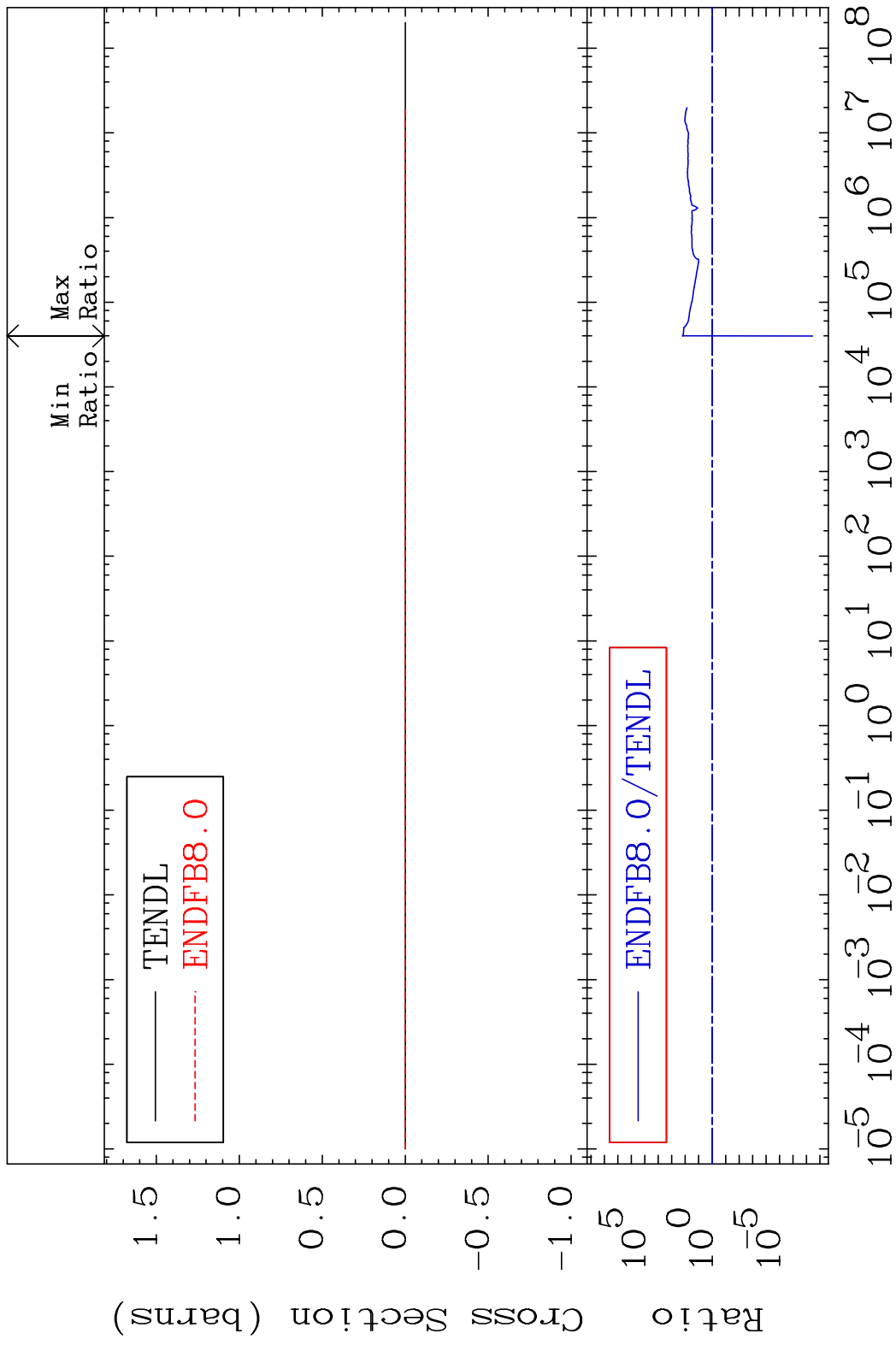


39 Incident Energy (eV) 54-Xe-129

MAT 5440 Kerma inelastic (mt51-91) 54-Xe-129  
 Cross Section -100.0 To 9999. %

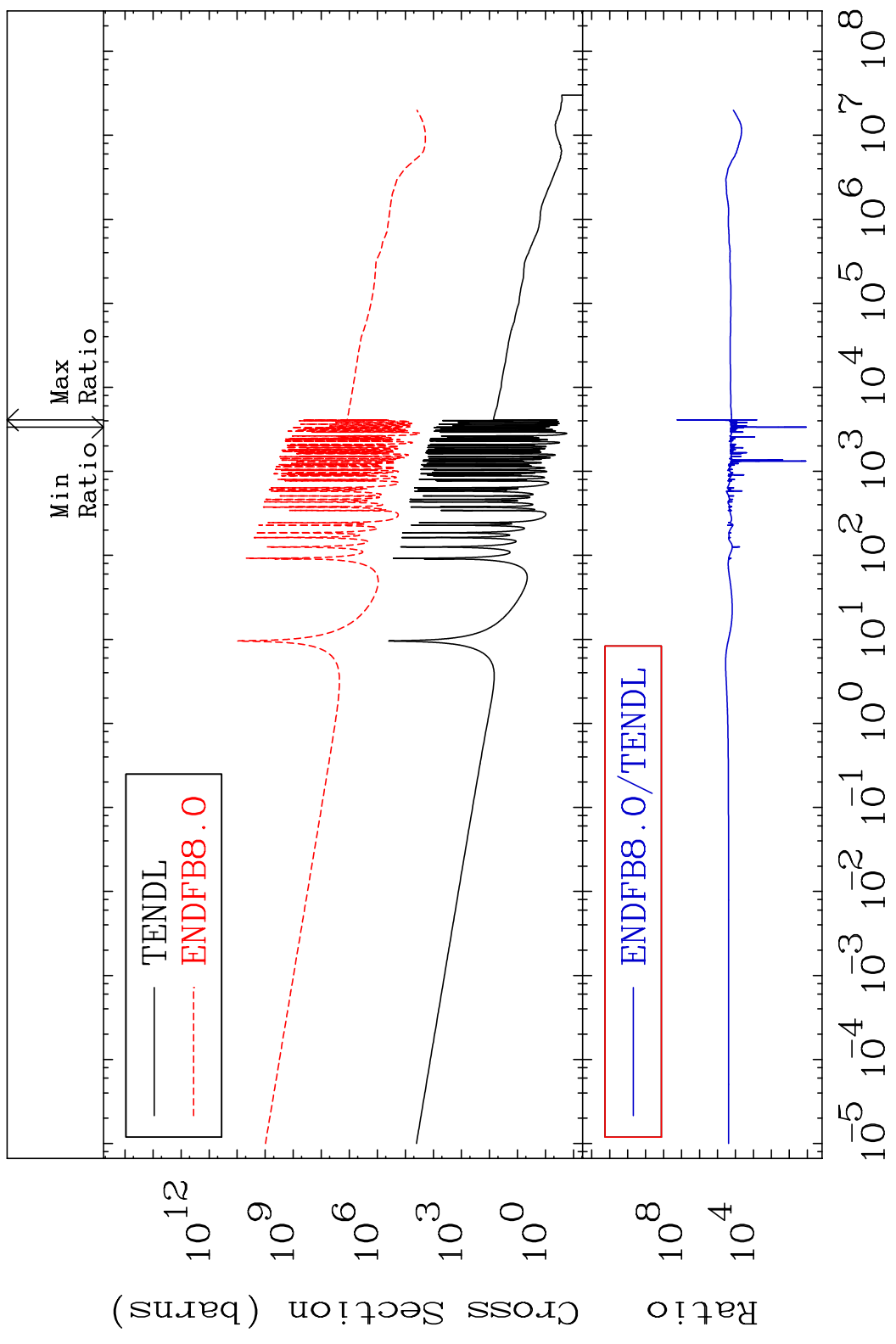


MAT 5440 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-129  
 Cross Section -100.0 To 9999. %



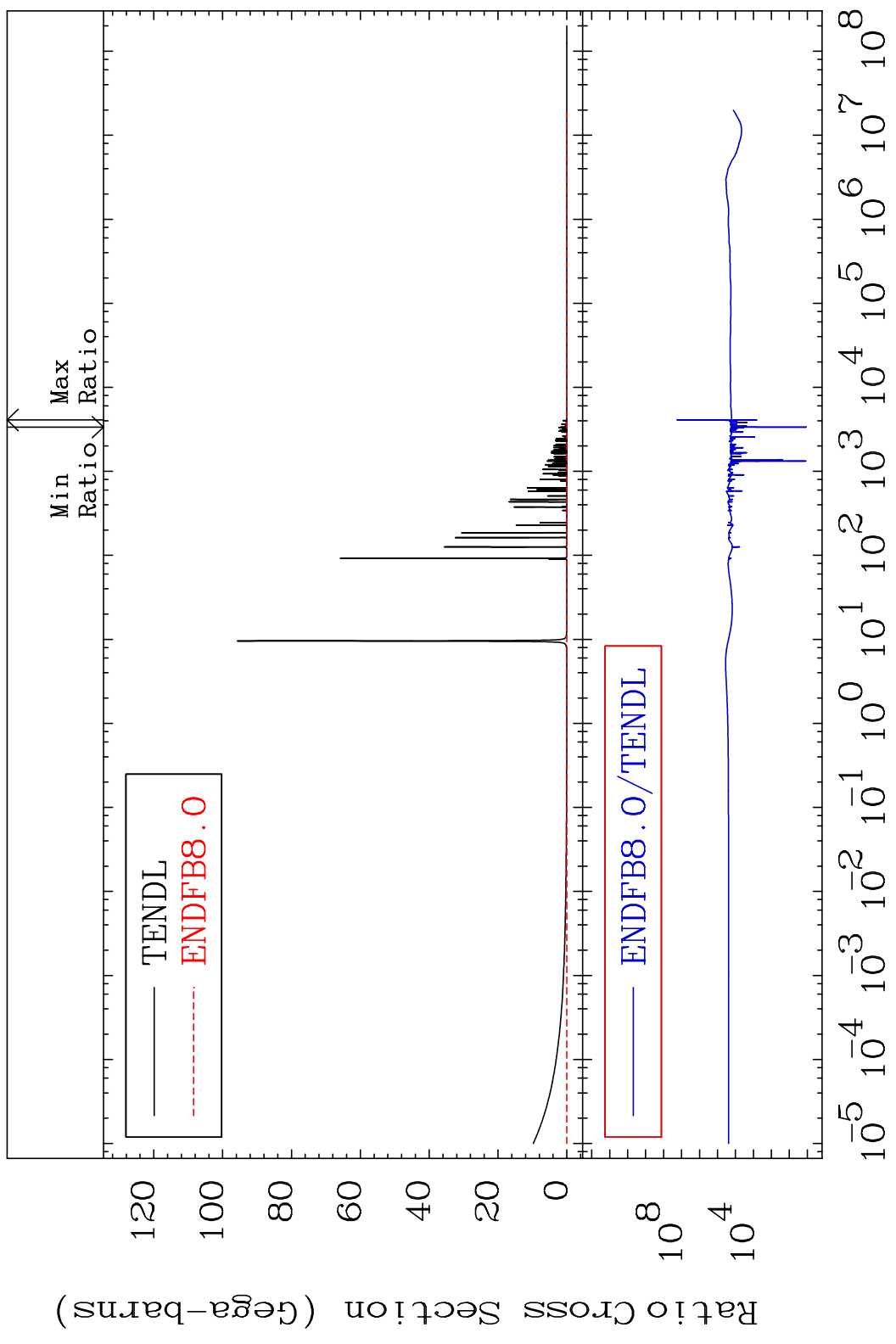
MAT 5440

Kerma capture (mt102) 54-Xe-129  
Cross Section 1026. To 9999. %

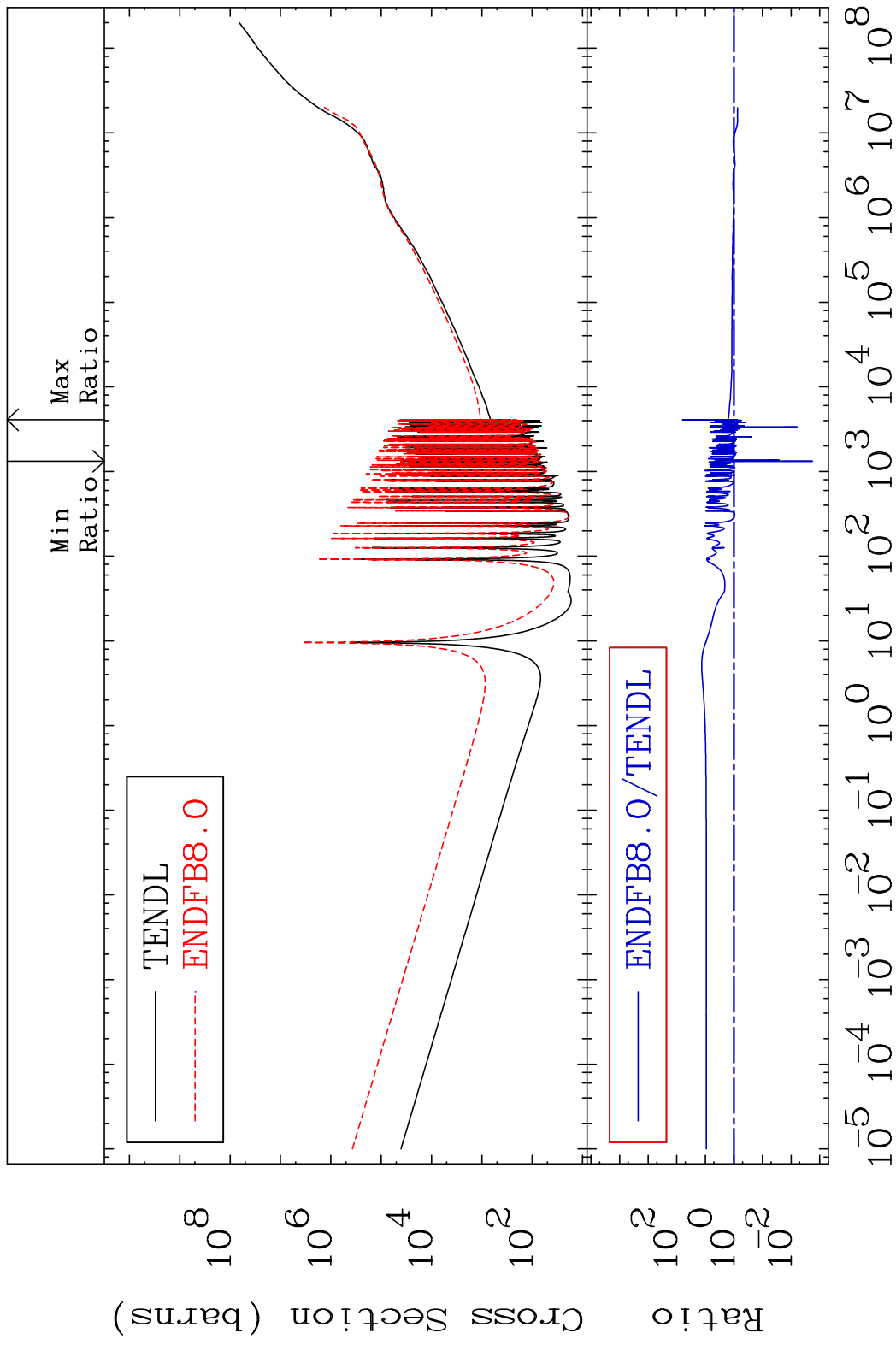


MAT 5440

Total photon (eV-barns) 54-Xe-129  
Cross Section 1026. To 9999. %



MAT 5440 Total kinematic kerma (high limit) 54-Xe-129  
 Cross Section -99.82 To 6273. %

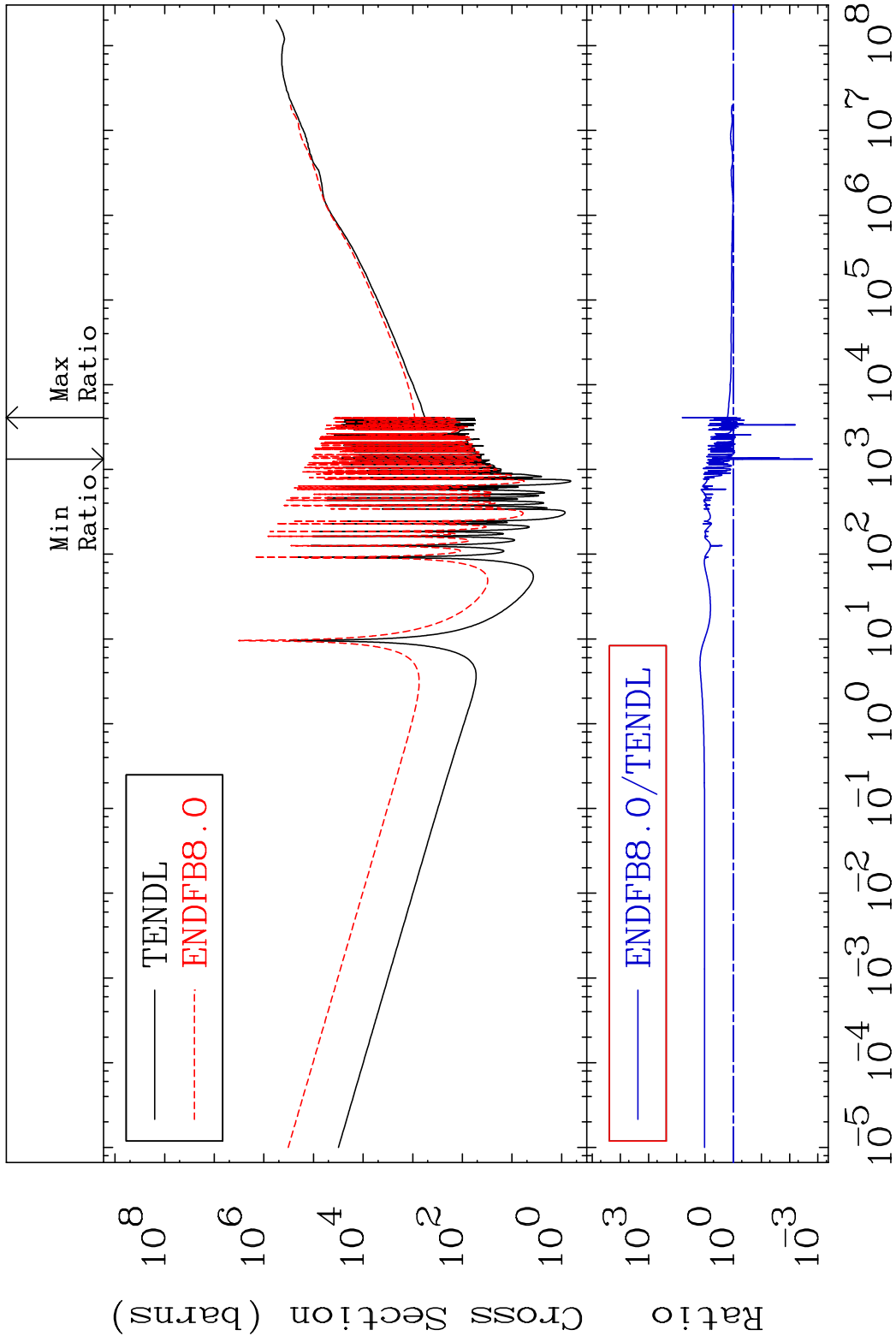


MAT 5440

Dpa total (eV-barns)

54-Xe-129

Cross Section -99.84 To 6360. %



45

Incident Energy (eV)

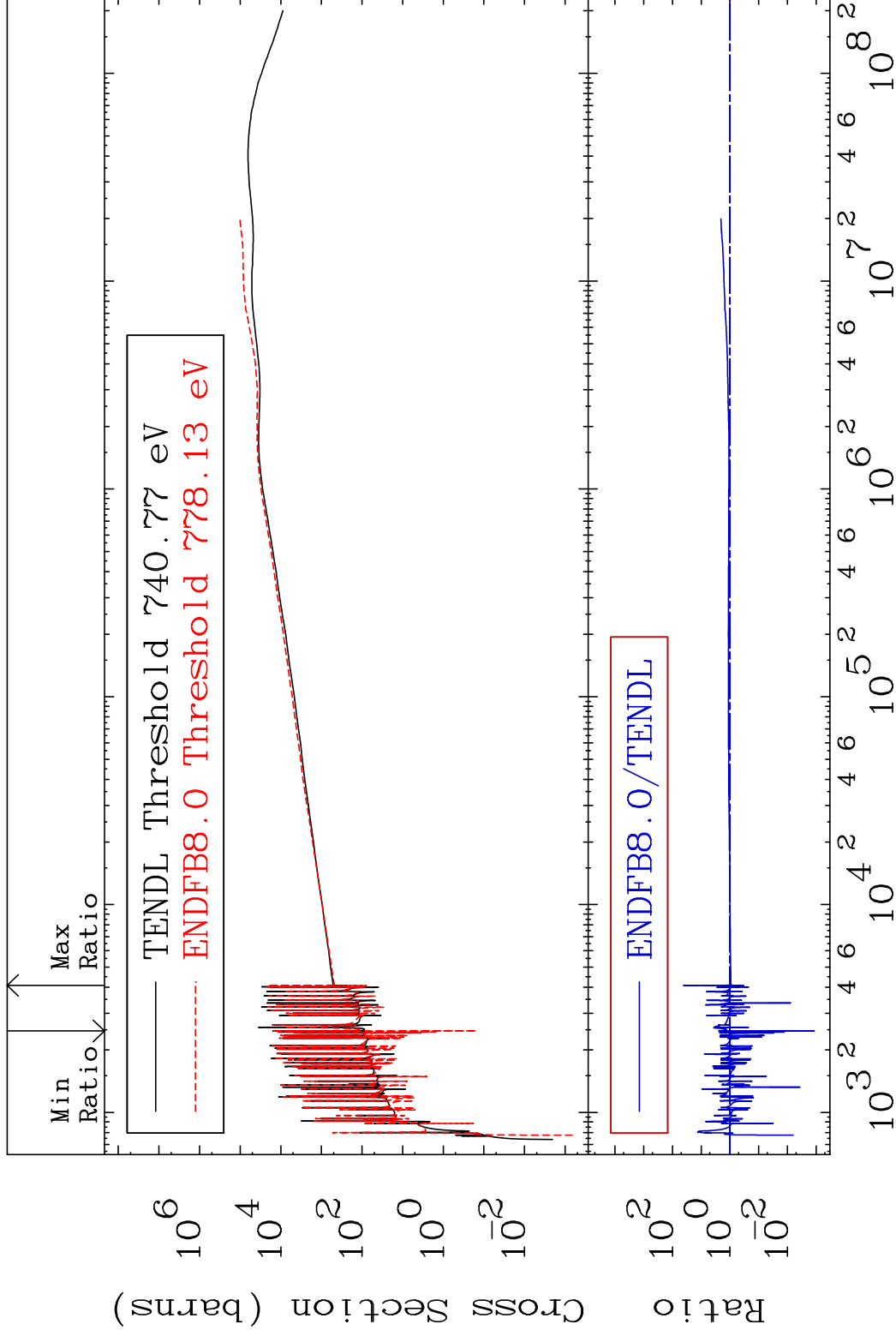
54-Xe-129

MAT 5440

Dpa elastic (mt2)

54-Xe-129

Cross Section -99.88 To 3973. %

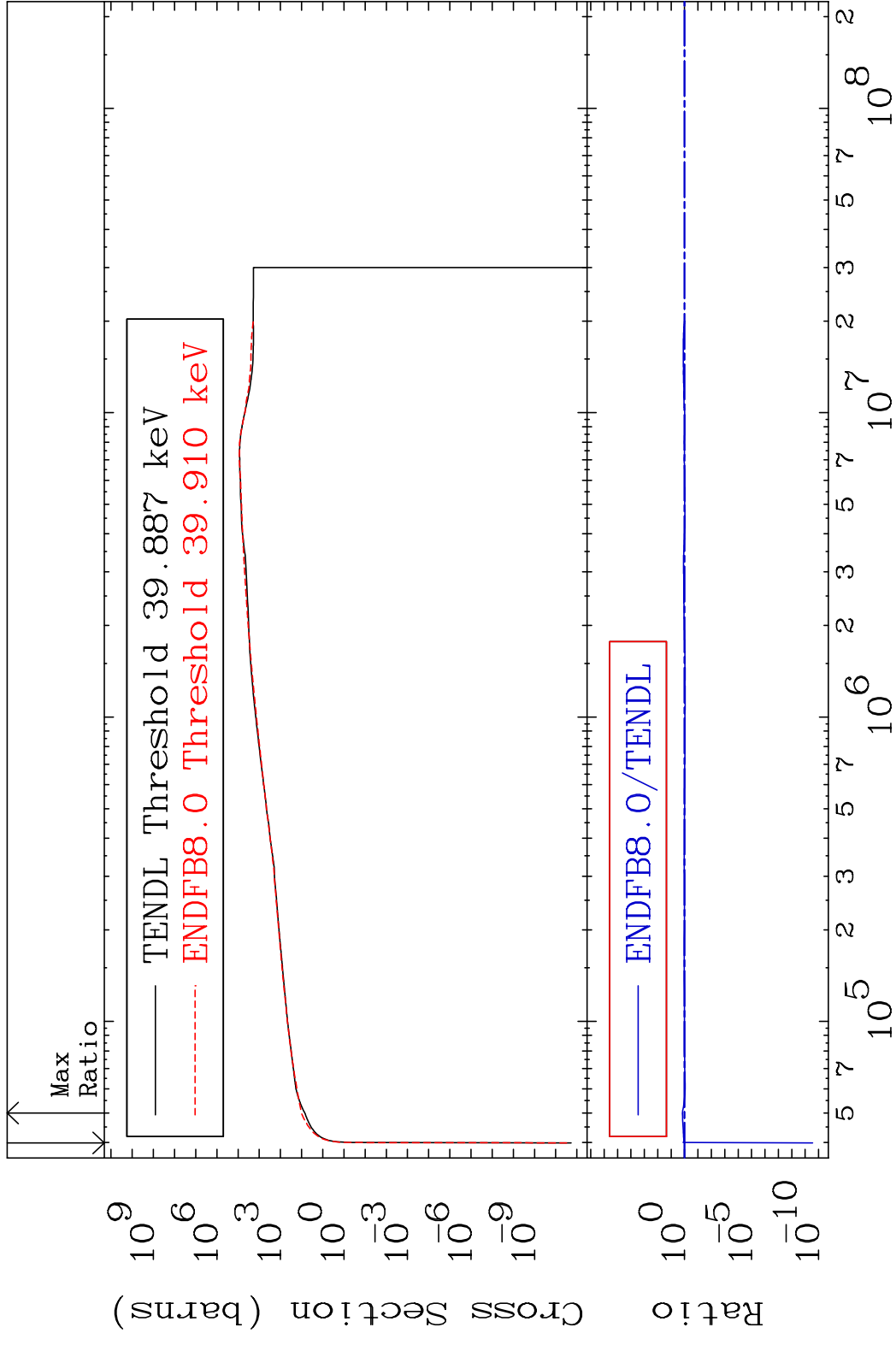


46

Incident Energy (eV)

54-Xe-129

MAT 5440 Dpa inelastic (mt51-91) 54-Xe-129  
 Cross Section -100.0 To 45.69 %



MAT 5440 Dpa disappearance (mt102 -120) 54-Xe-129  
 Cross Section -99.95 To 9999. %

