

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

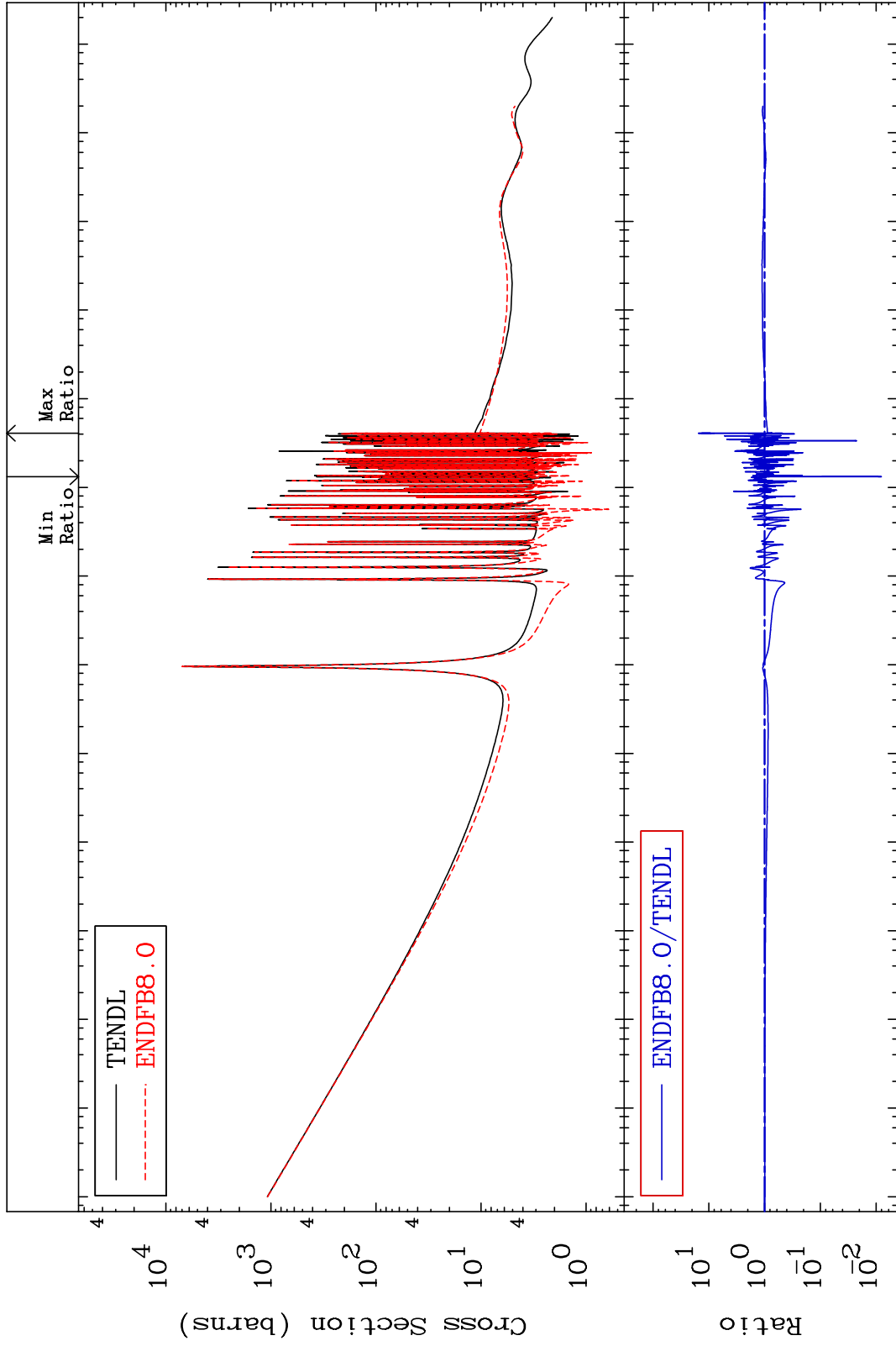
MAT 5440

Total

54-Xe-129

-99.20 To 1442. %

Cross Section



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>8</sup>  
10<sup>7</sup>  
10<sup>6</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>

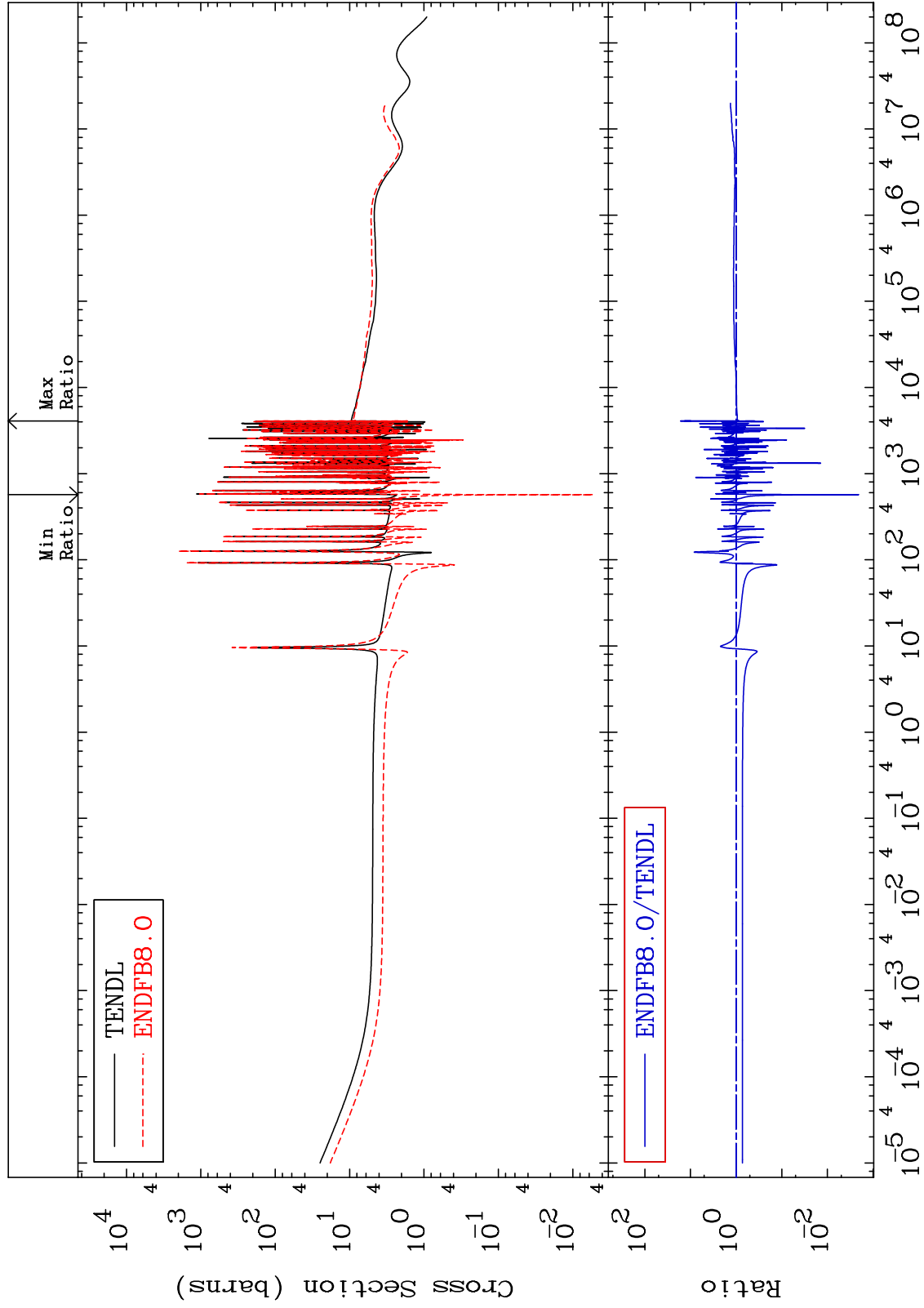
Incident Energy (eV)

54-Xe-129

MAT 5440

Elastic  
Cross Section

54-Xe-129  
-99.79 To 1556. %

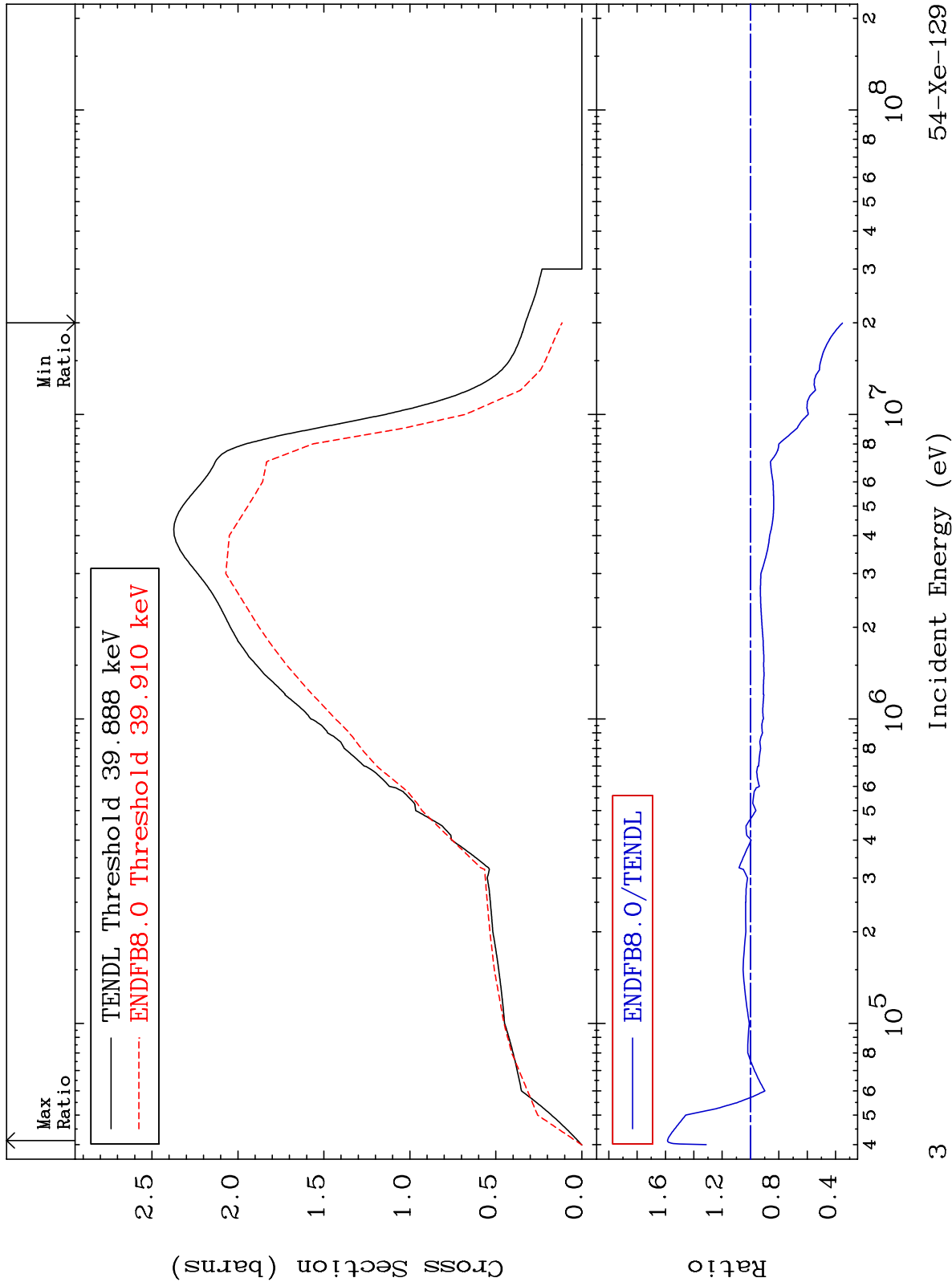


2

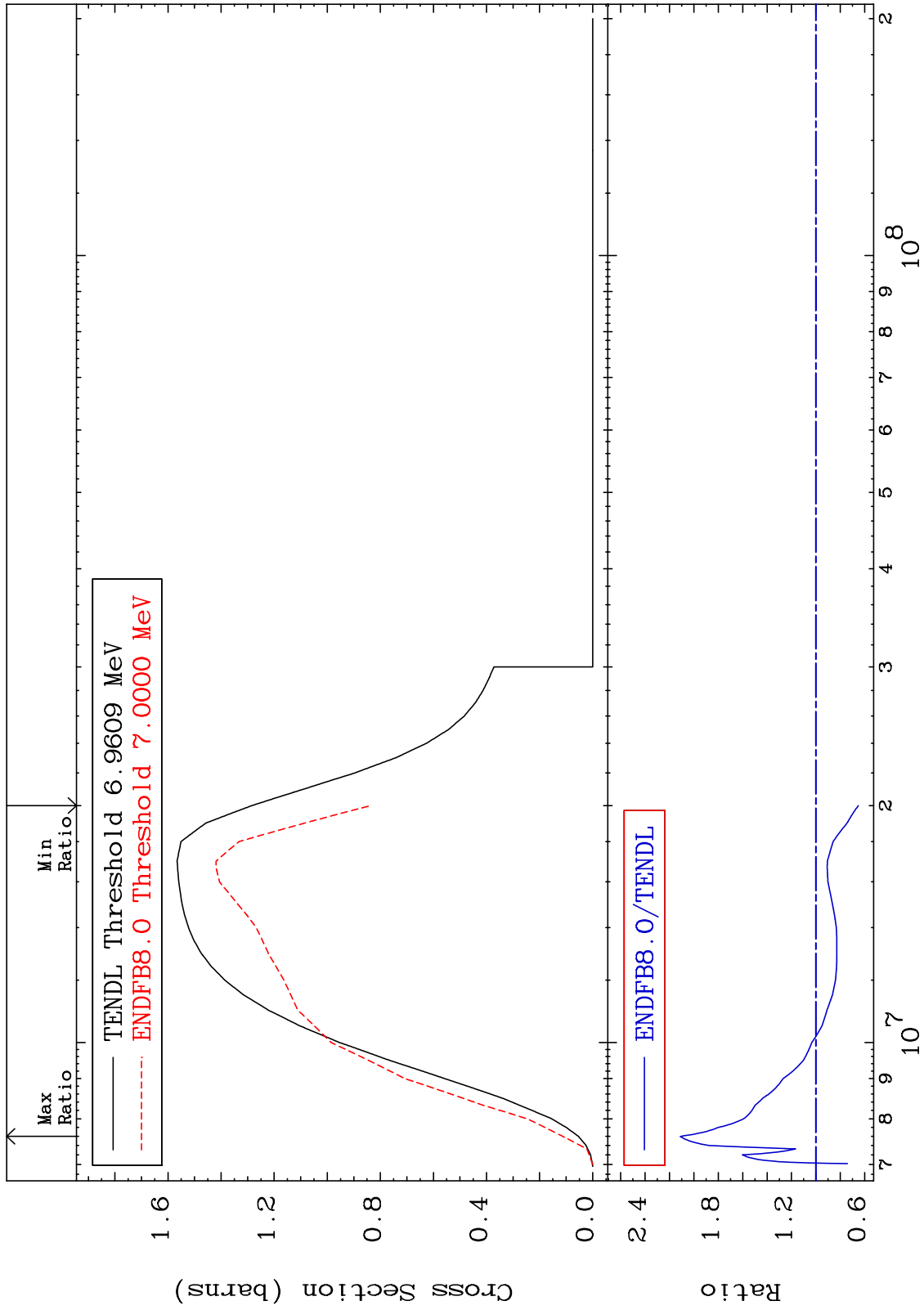
Incident Energy (eV)

54-Xe-129

MAT 5440 Inelastic Cross Section 54-Xe-129 -64.98 To 58.52 %



MAT 5440 (n,2n) Cross Section 54-Xe-129 -34.84 To 111.4 %



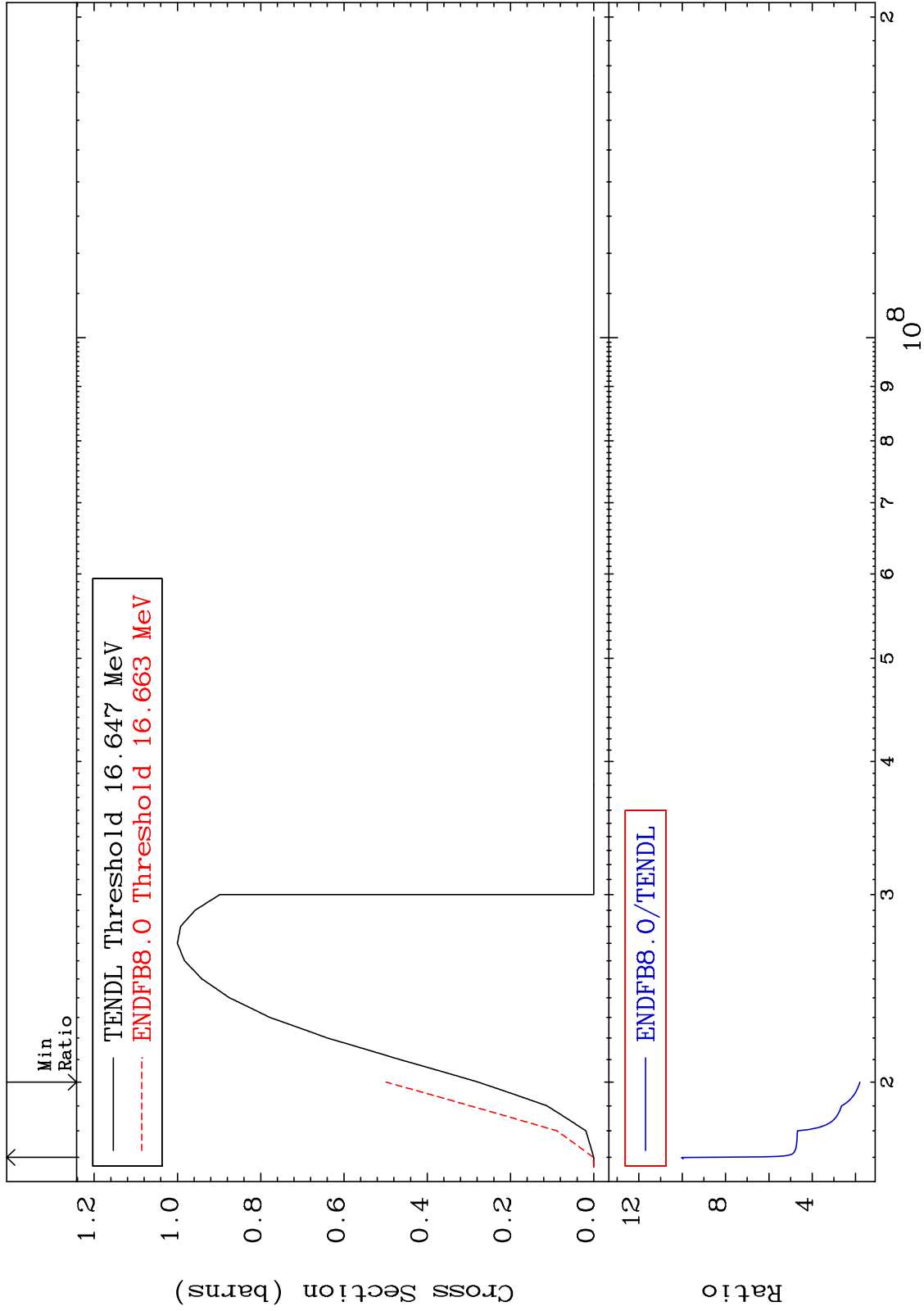
MAT 5440

(n,3n)

54-Xe-129

Cross Section

79.90 To 904.5 %



5

Incident Energy (eV)

54-Xe-129

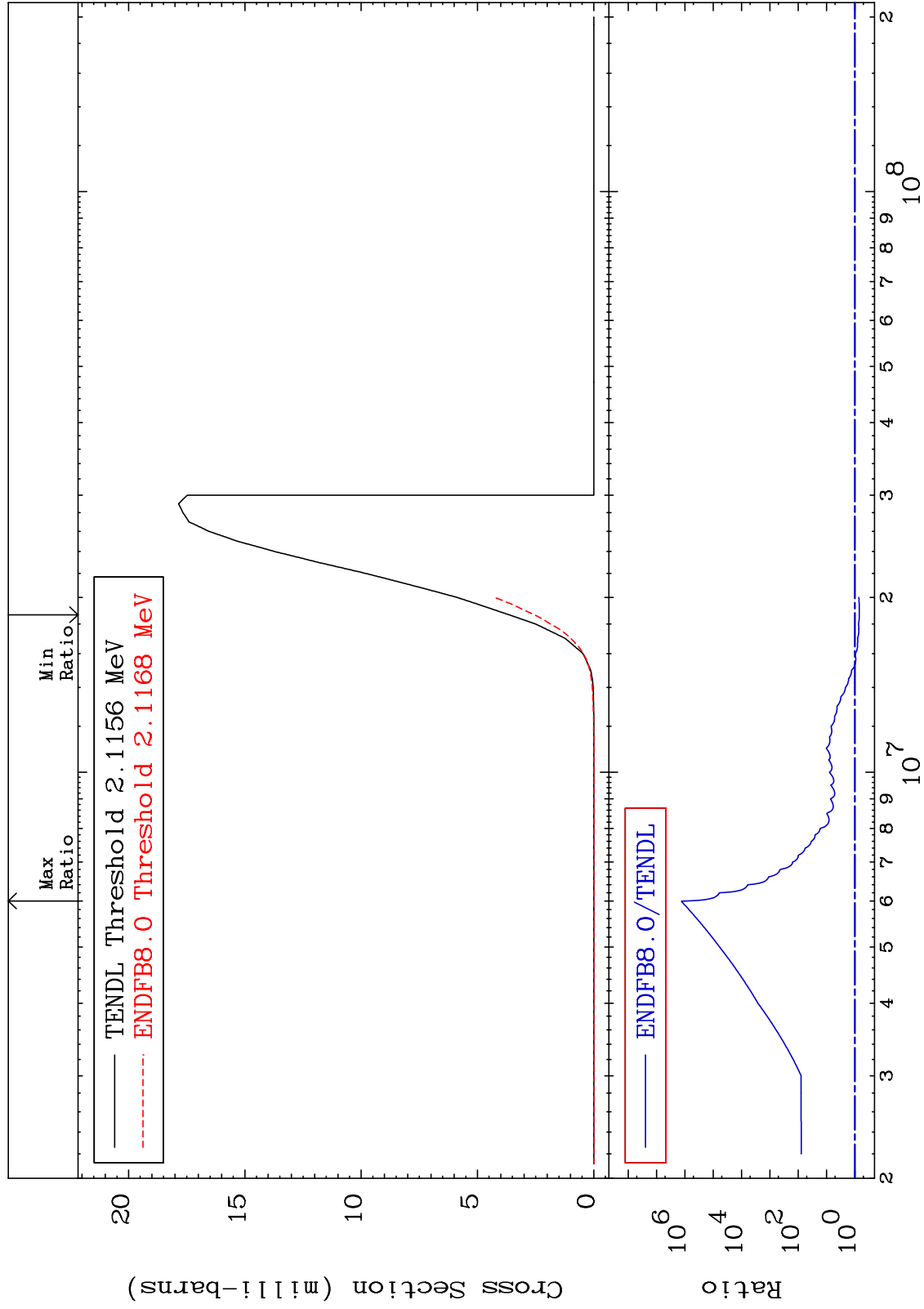
MAT 5440

(n,n')  $\alpha$

54-Xe-129

Cross Section

-29.82 To 9999. %



6

Incident Energy (eV)

54-Xe-129

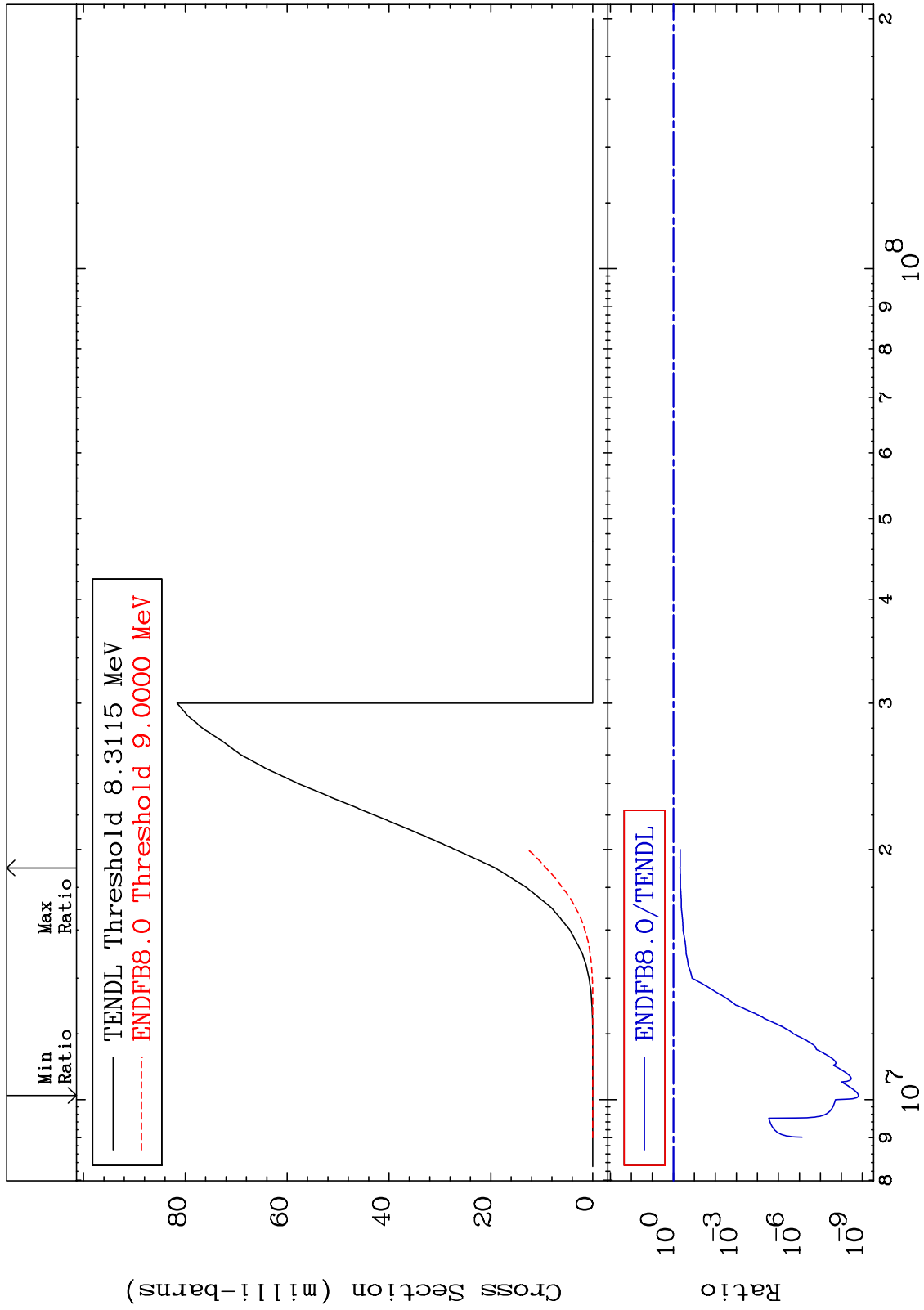
MAT 5440

(n,n') p

54-Xe-129

Cross Section

-100.0 To -51.91%



Incident Energy (eV)

54-Xe-129

7



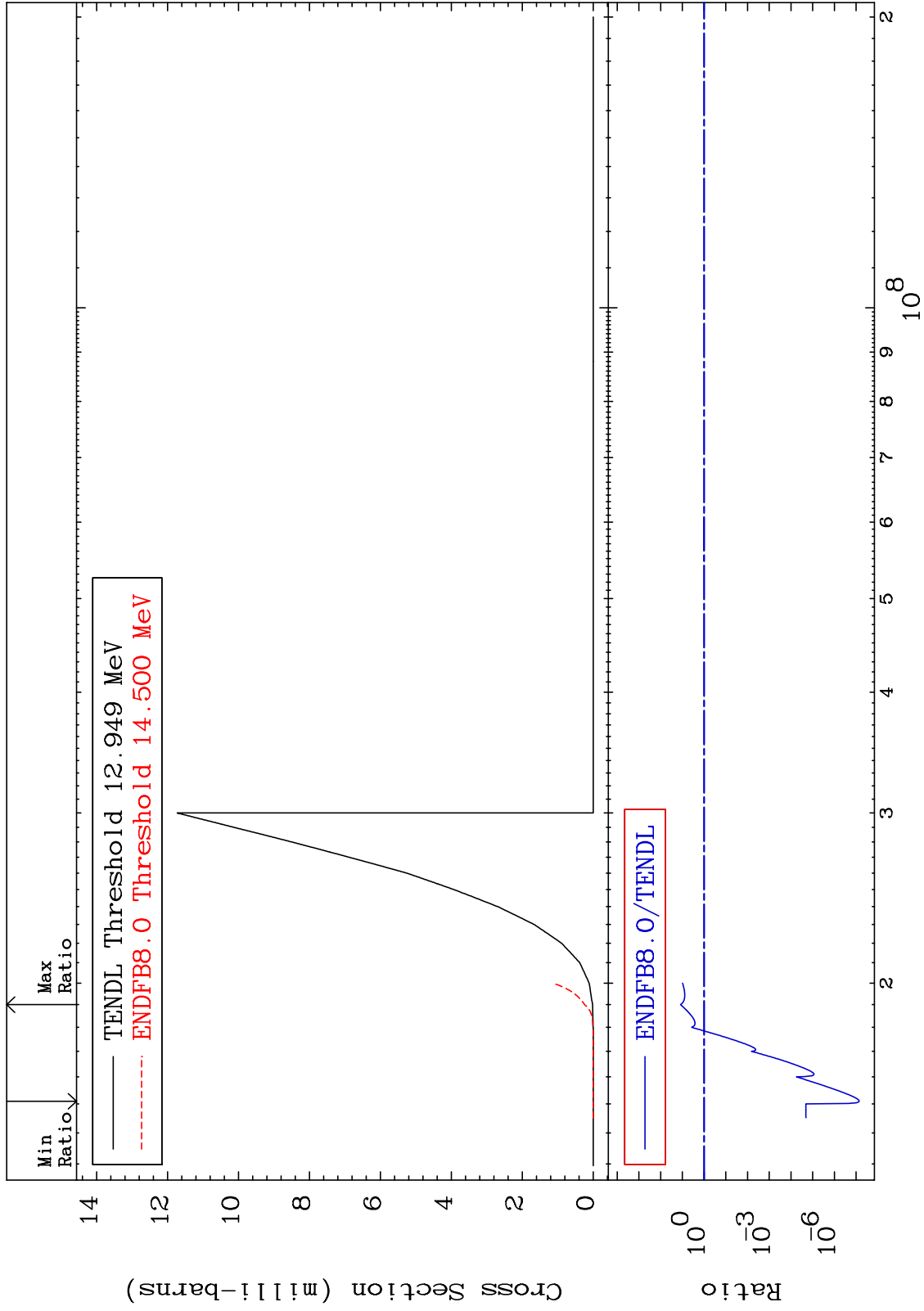
MAT 5440

(n,n') d

54-Xe-129

Cross Section

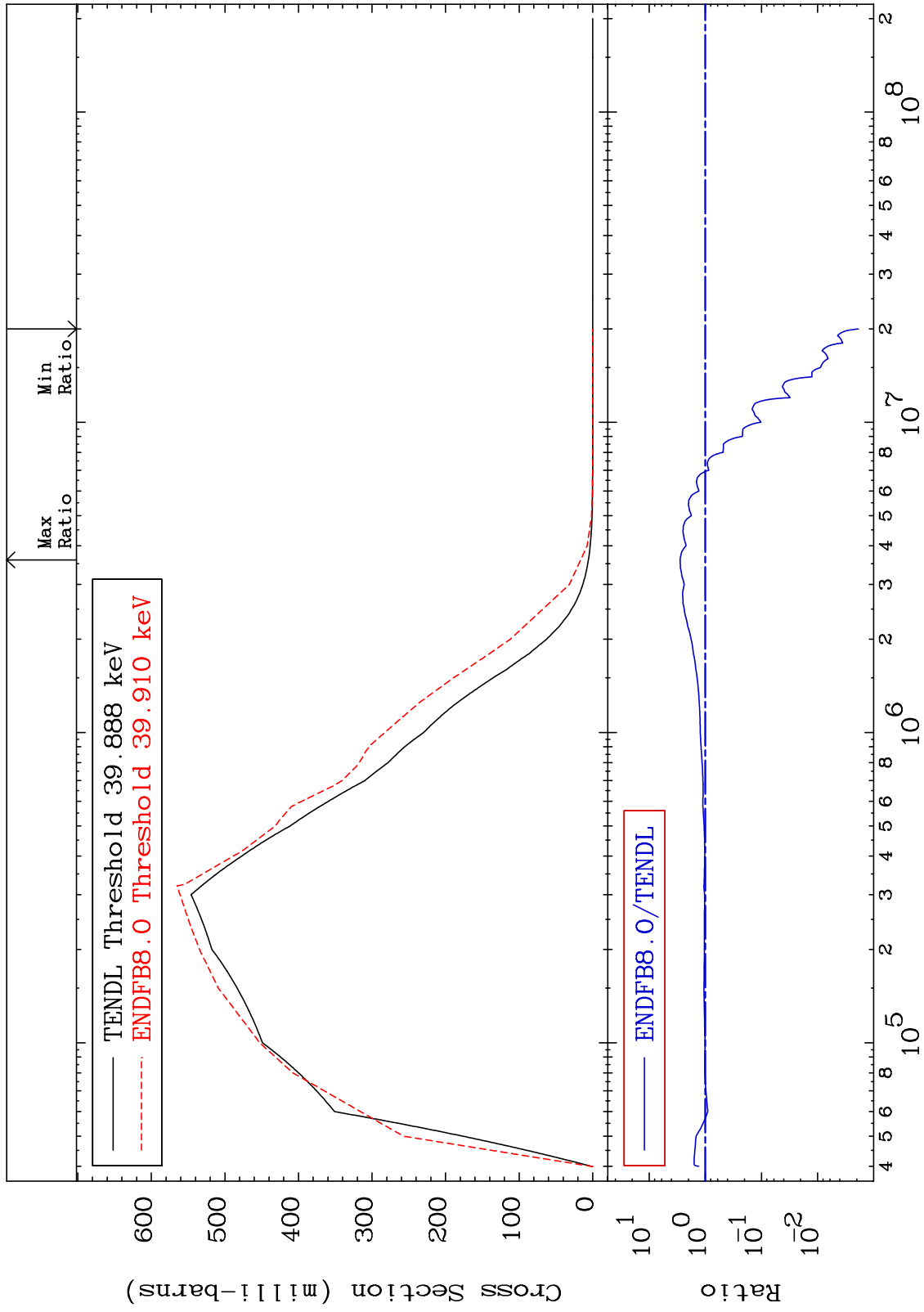
-100.0 To 1106. %



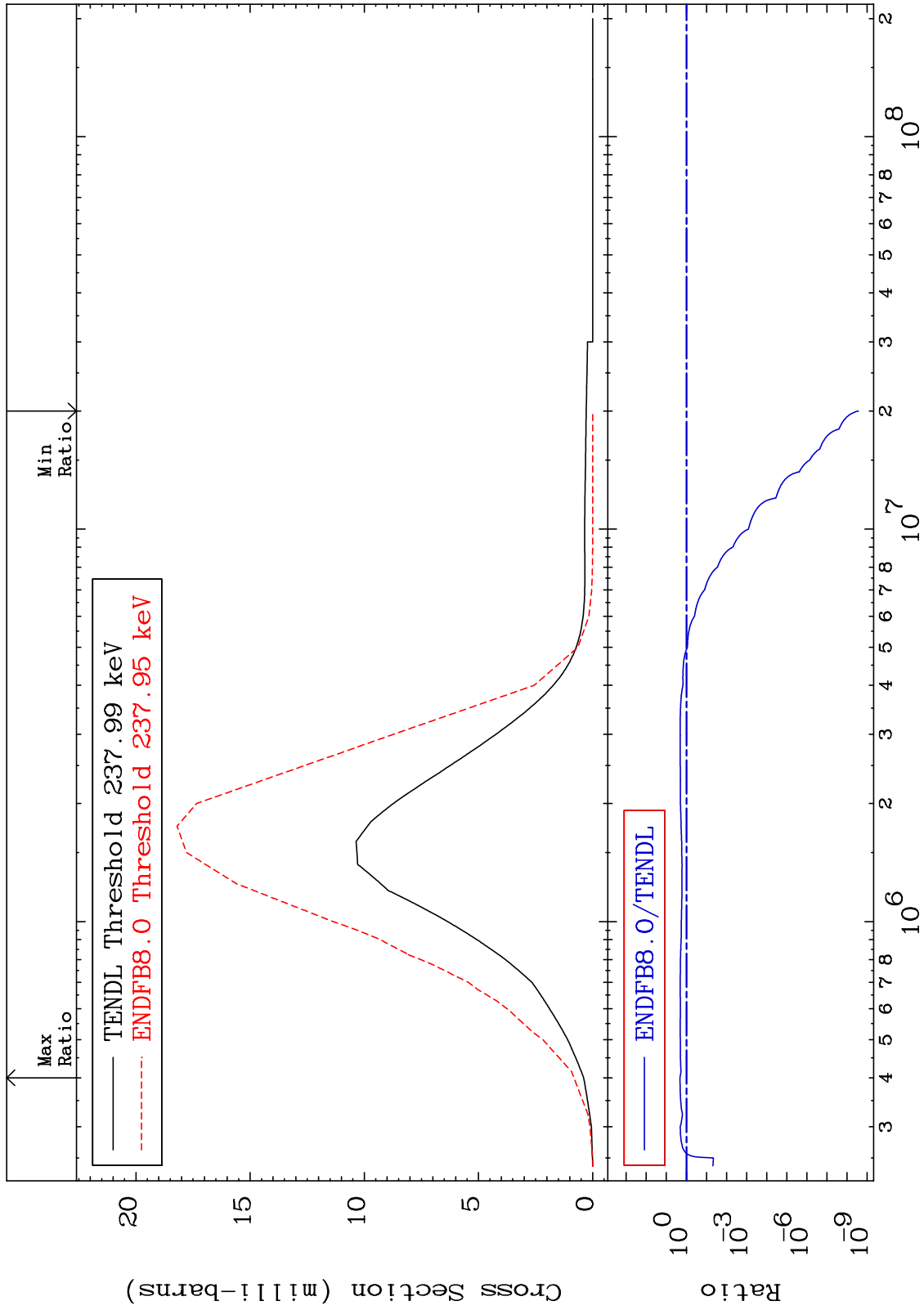
MAT 5440

MT= 51 (n,n') Level  
Cross Section

54-Xe-129  
-99.81 To 181.5 %

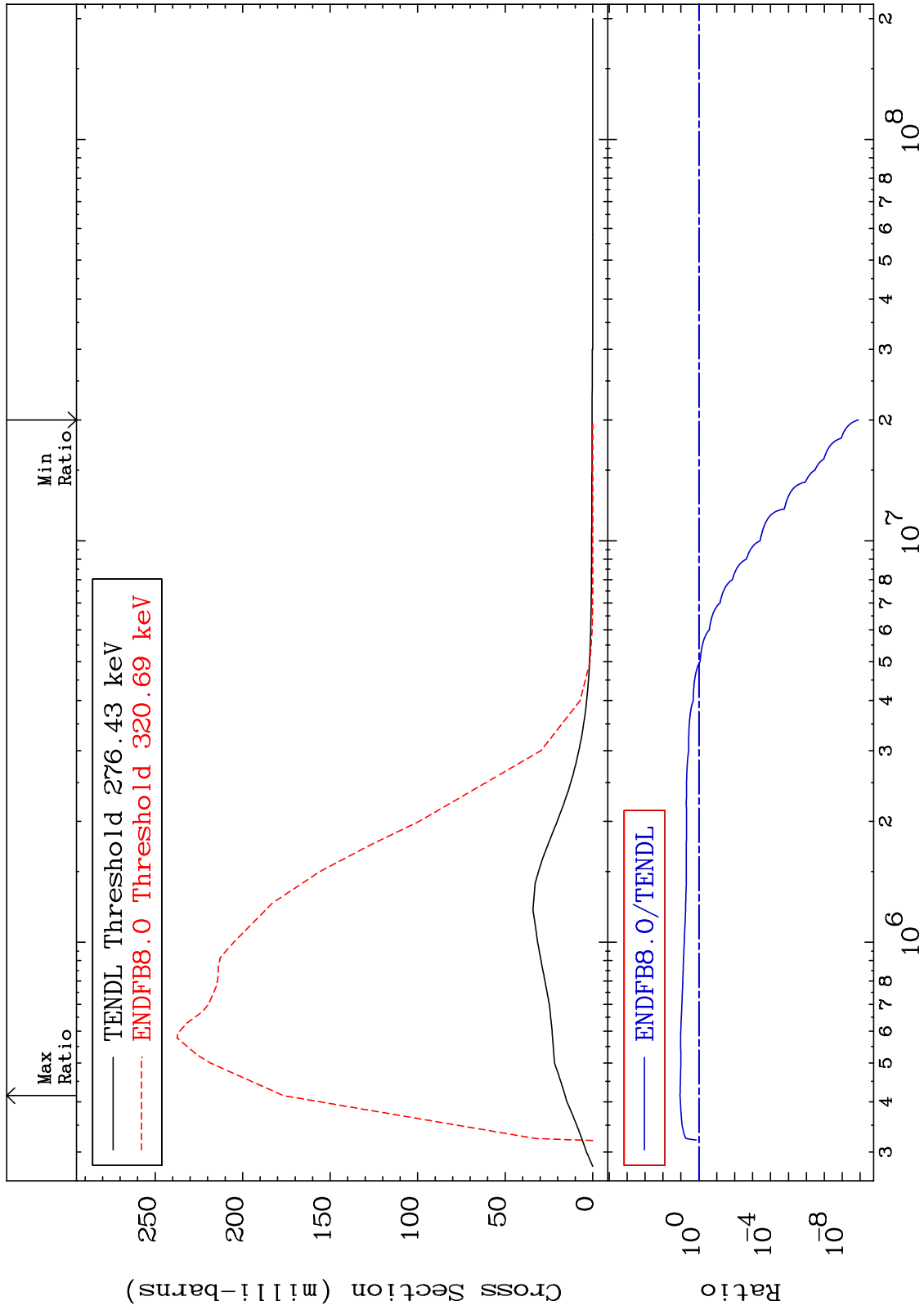


MAT 5440 MT= 52 (n,n') Level Cross Section 54-Xe-129 -100.0 To 107.9 %



10 54-Xe-129

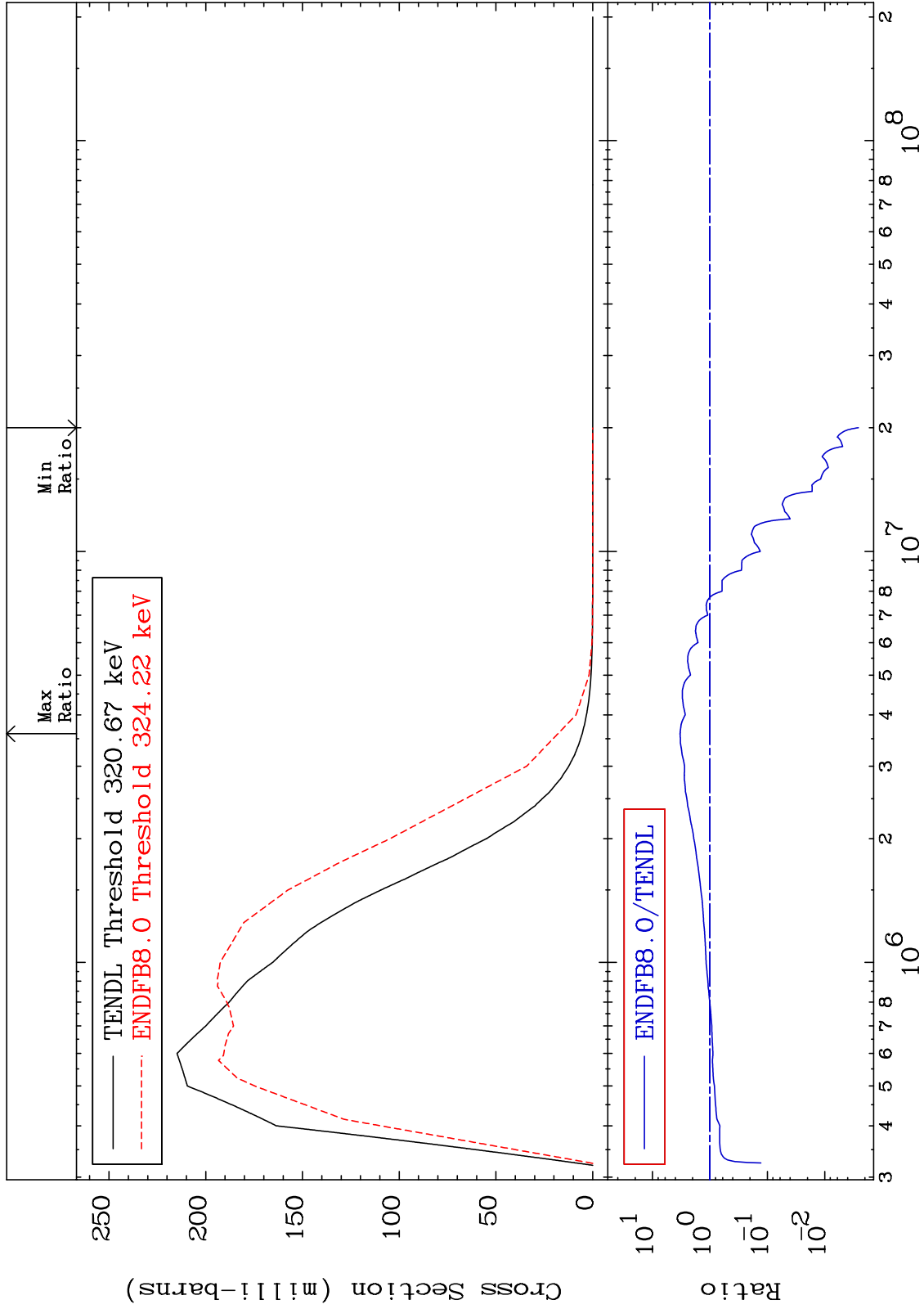
MAT 5440 MT= 53 (n,n') Level Cross Section 54-Xe-129 -100.0 To 1021. %



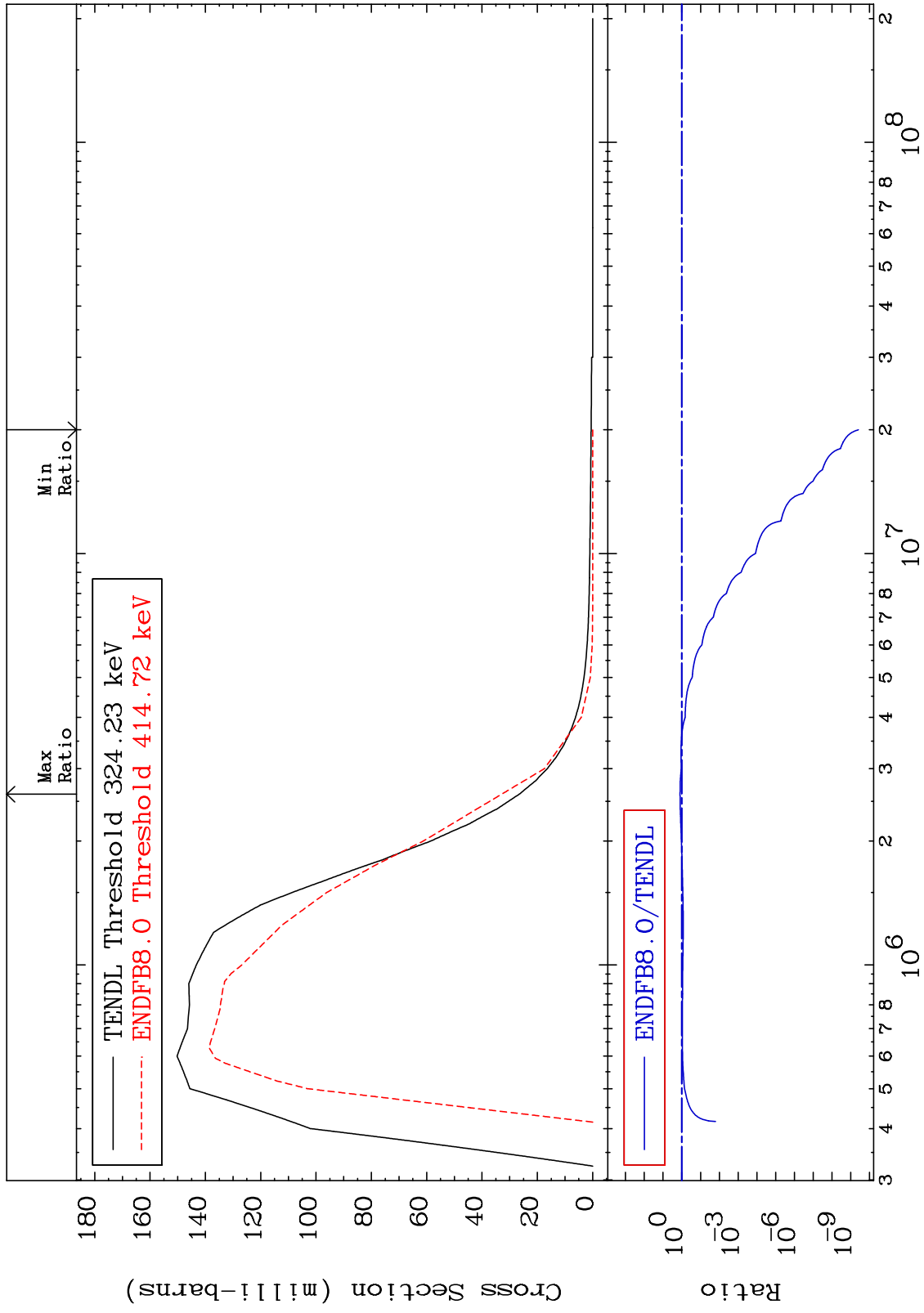
MAT 5440

MT= 54 (n,n') Level  
Cross Section

54-Xe-129  
-99.74 To 231.3 %



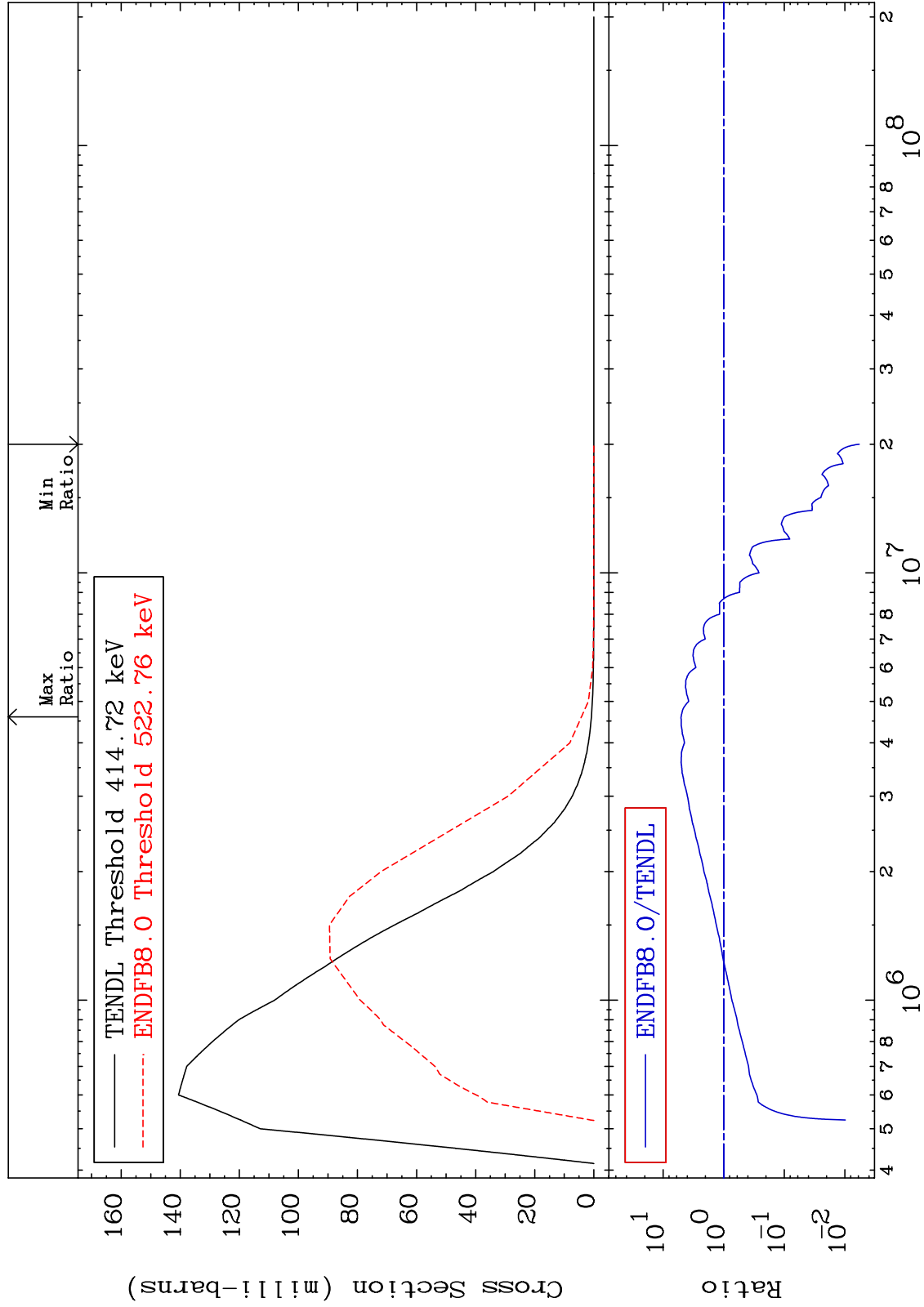
MAT 5440 MT= 55 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 24.19 %



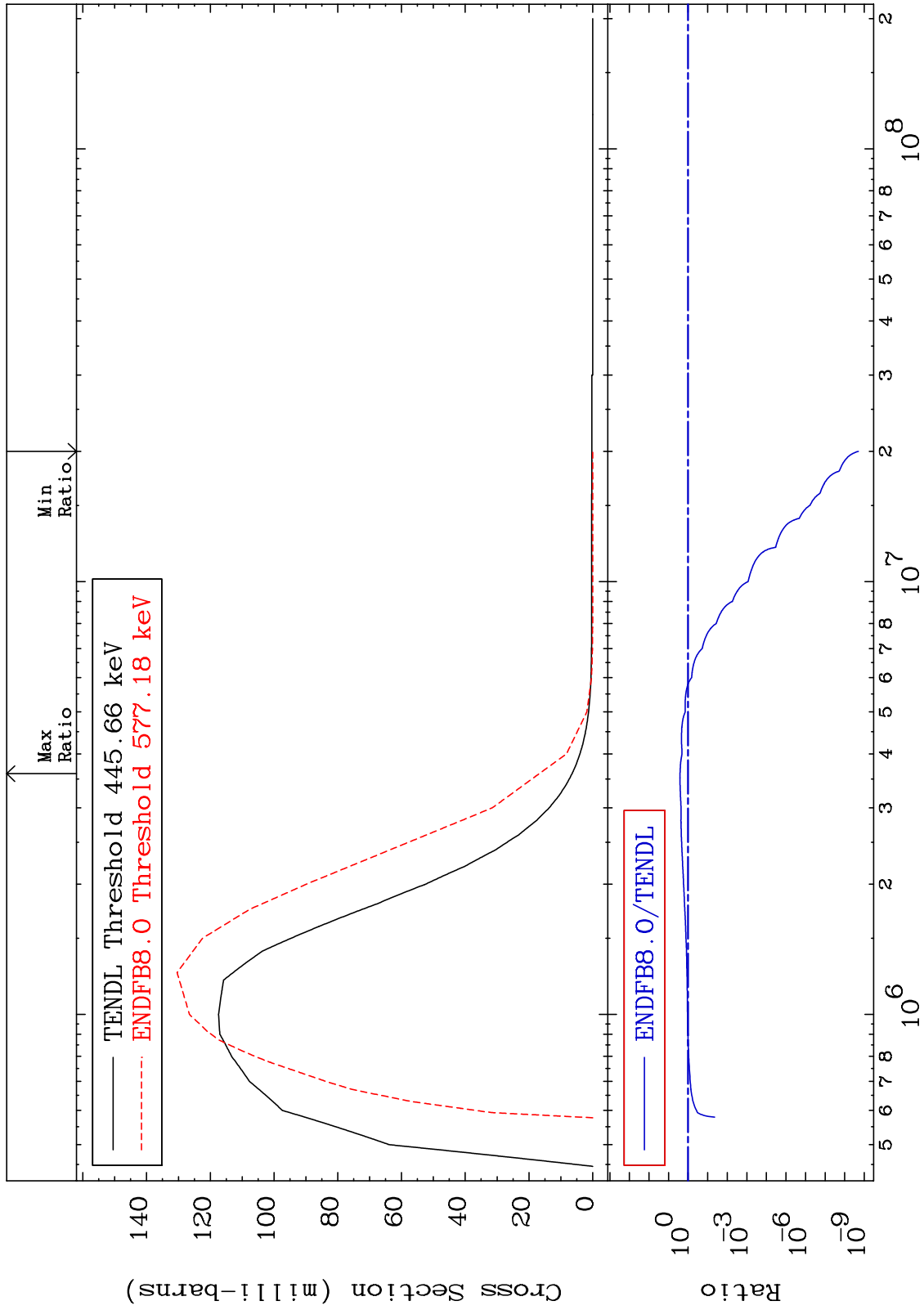
MAT 5440

MT= 56 (n,n') Level  
Cross Section

54-Xe-129  
-99.42 To 405.2 %

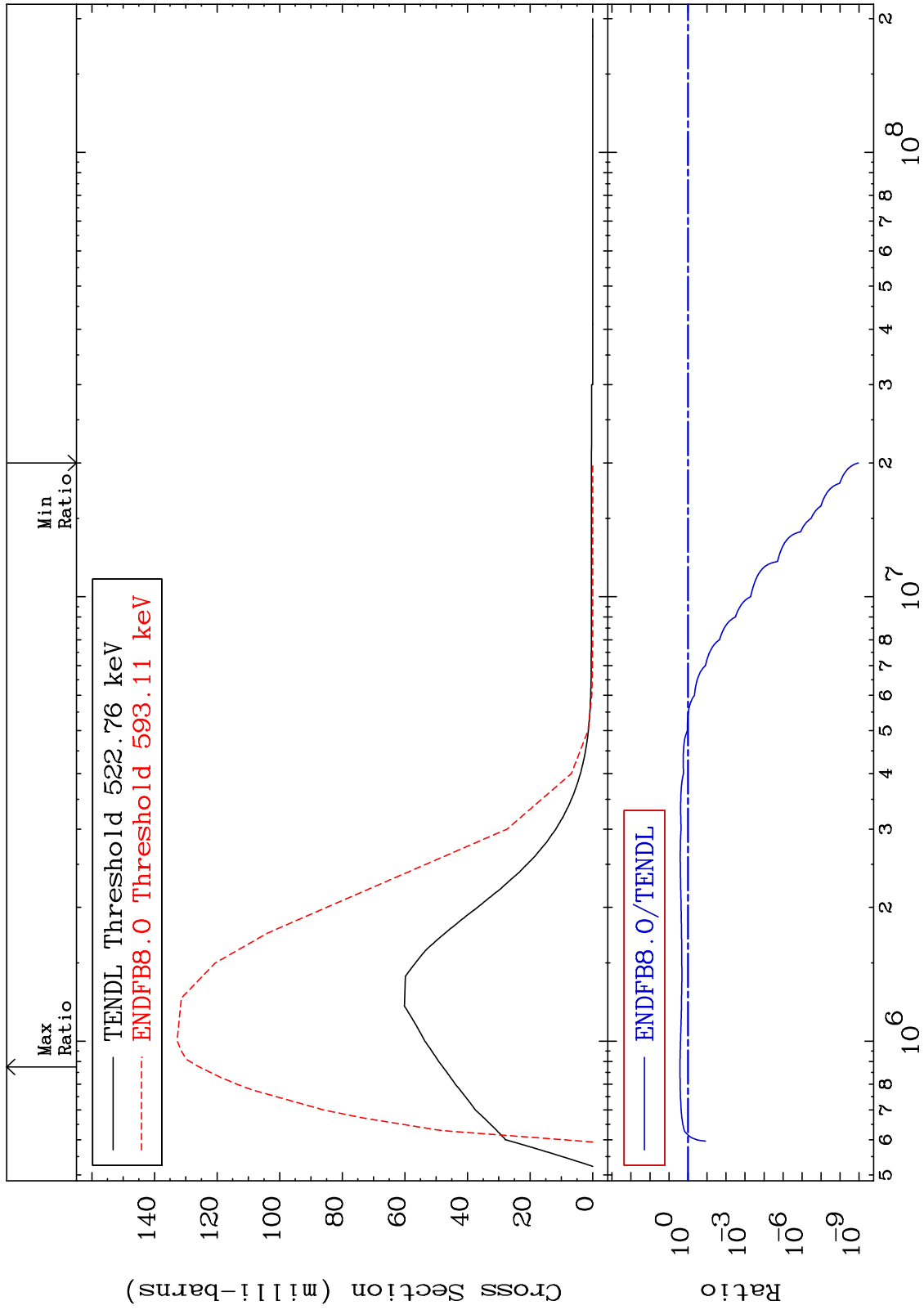


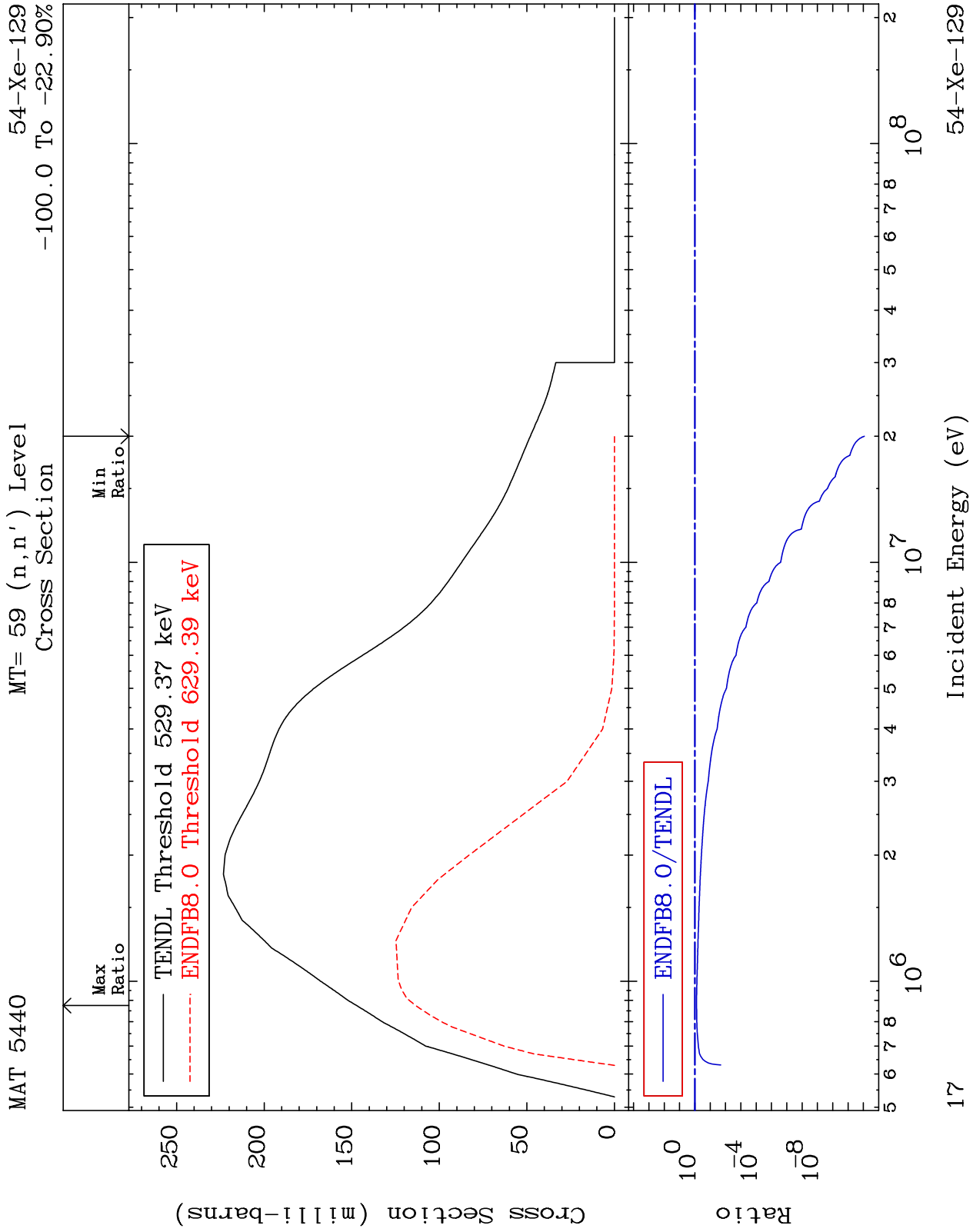
MAT 5440 MT= 57 (n,n') Level Cross Section 54-Xe-129 -100.0 To 159.6 %





MAT 5440 MT= 58 (n,n') Level Cross Section 54-Xe-129 -100.0 To 162.6 %

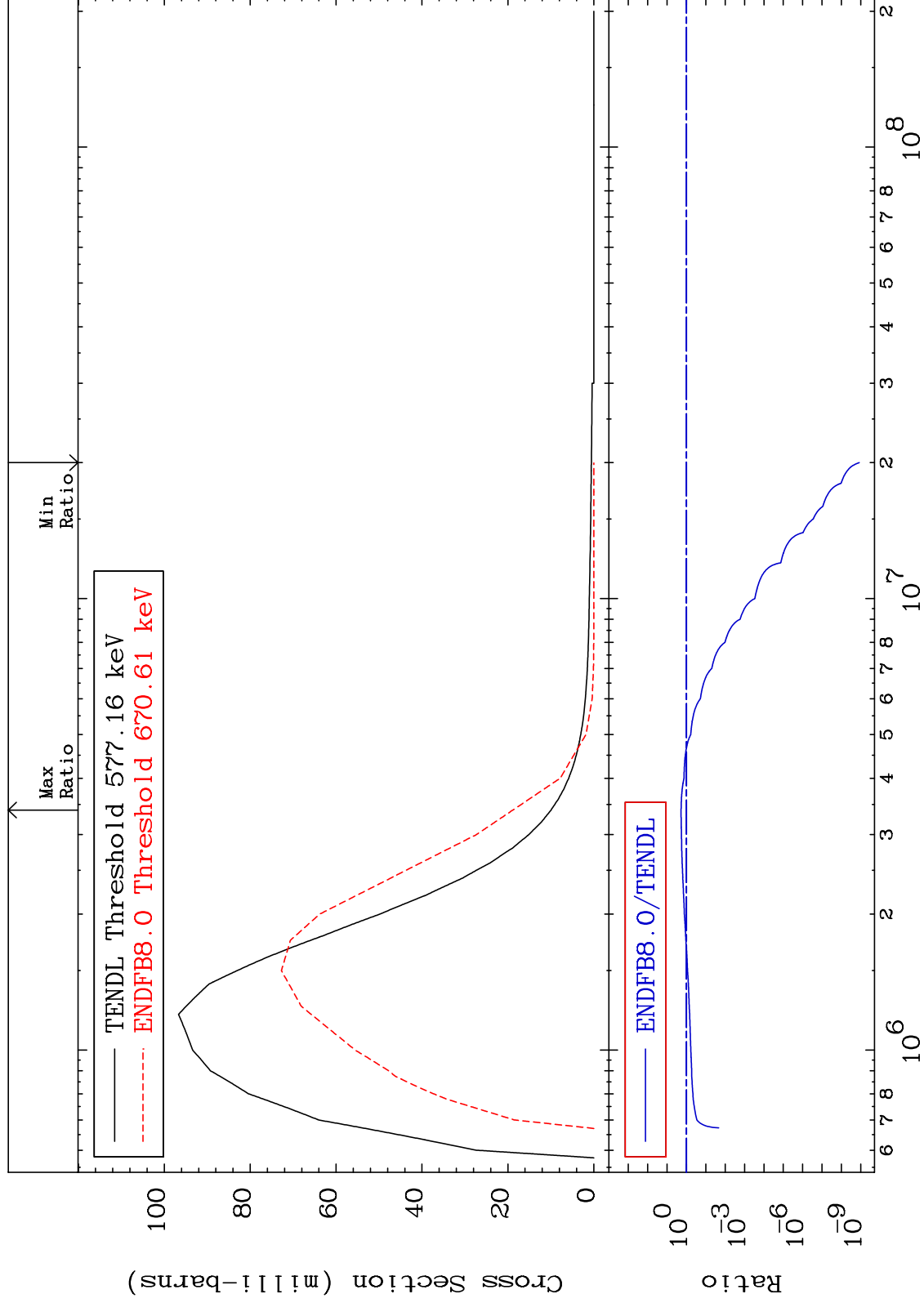




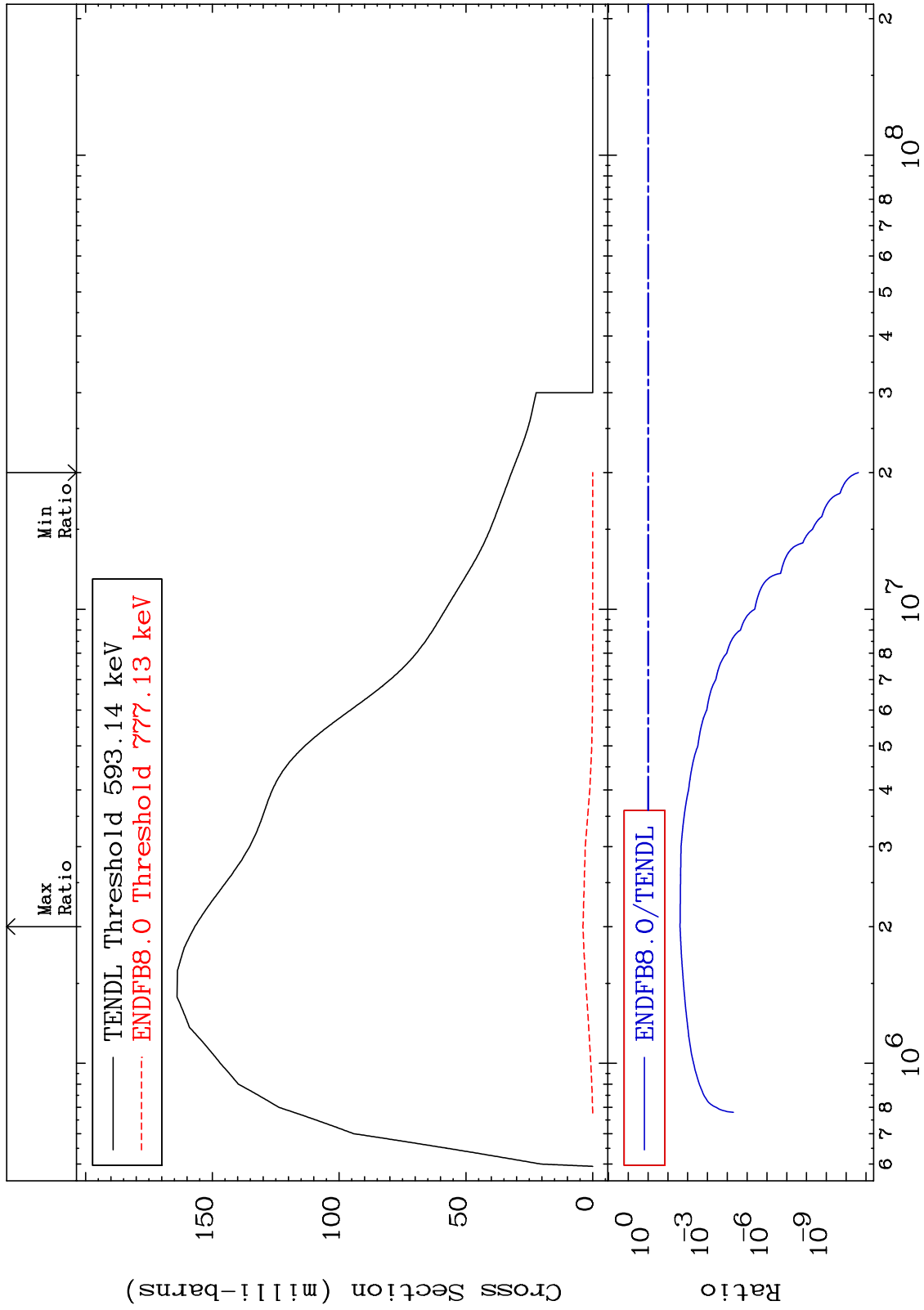
MAT 5440

MT= 60 (n,n') Level  
Cross Section

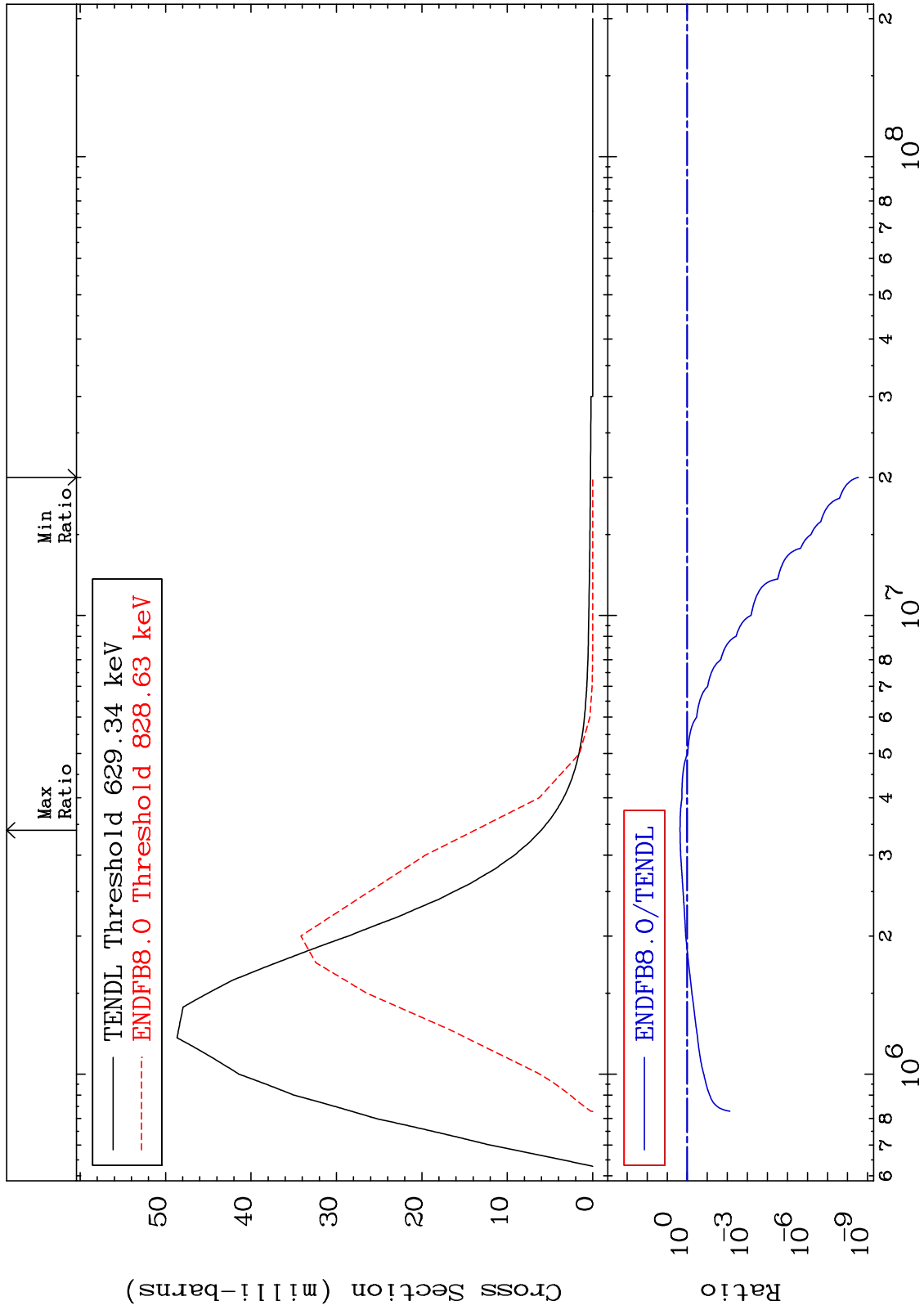
54-Xe-129  
-100.0 To 89.53 %



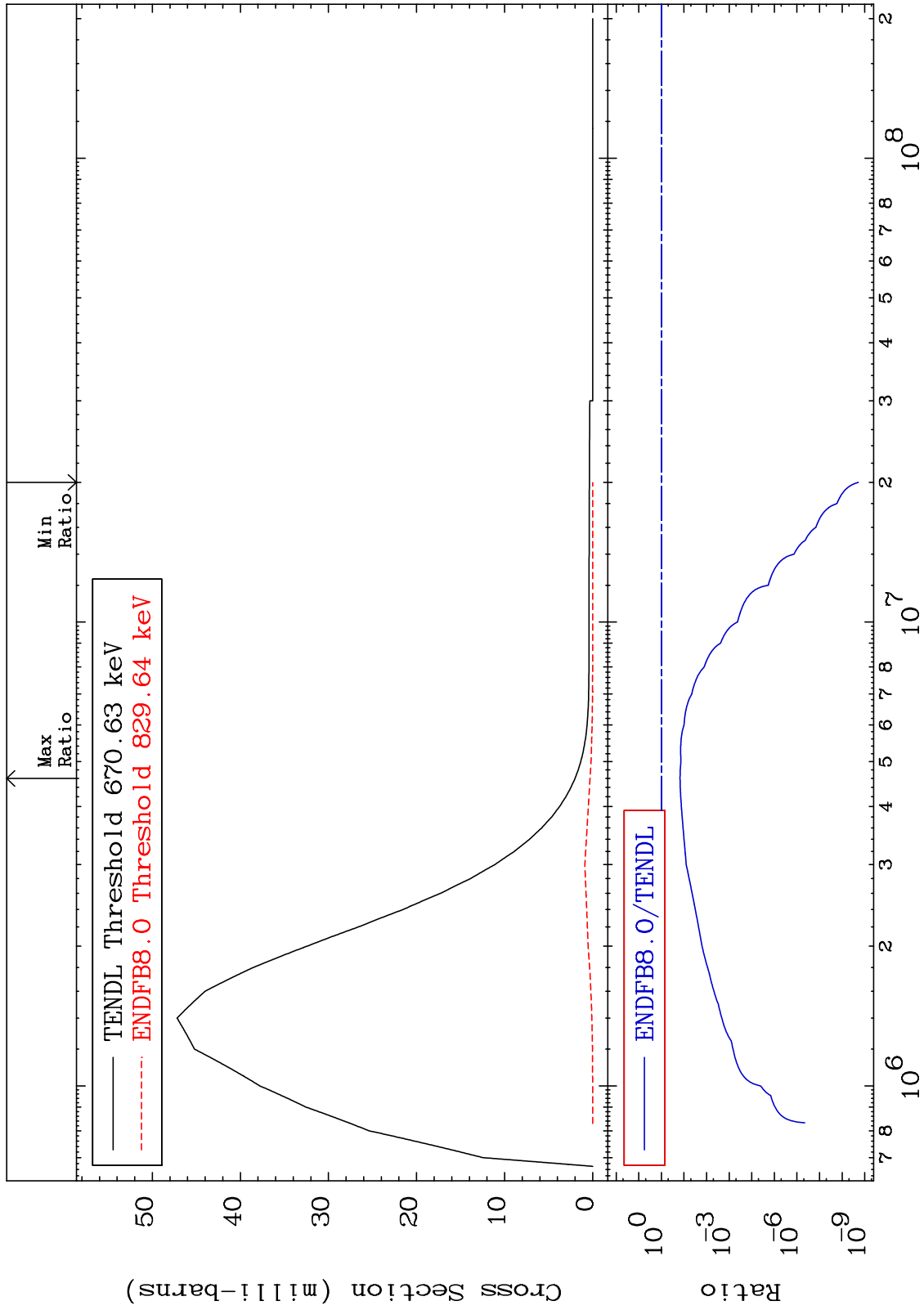
MAT 5440 MT= 61 (n,n') Level Cross Section 54-Xe-129 -100.0 To -97.56%



MAT 5440 MT= 62 (n,n') Level Cross Section -100.0 To 129.2 % 54-Xe-129



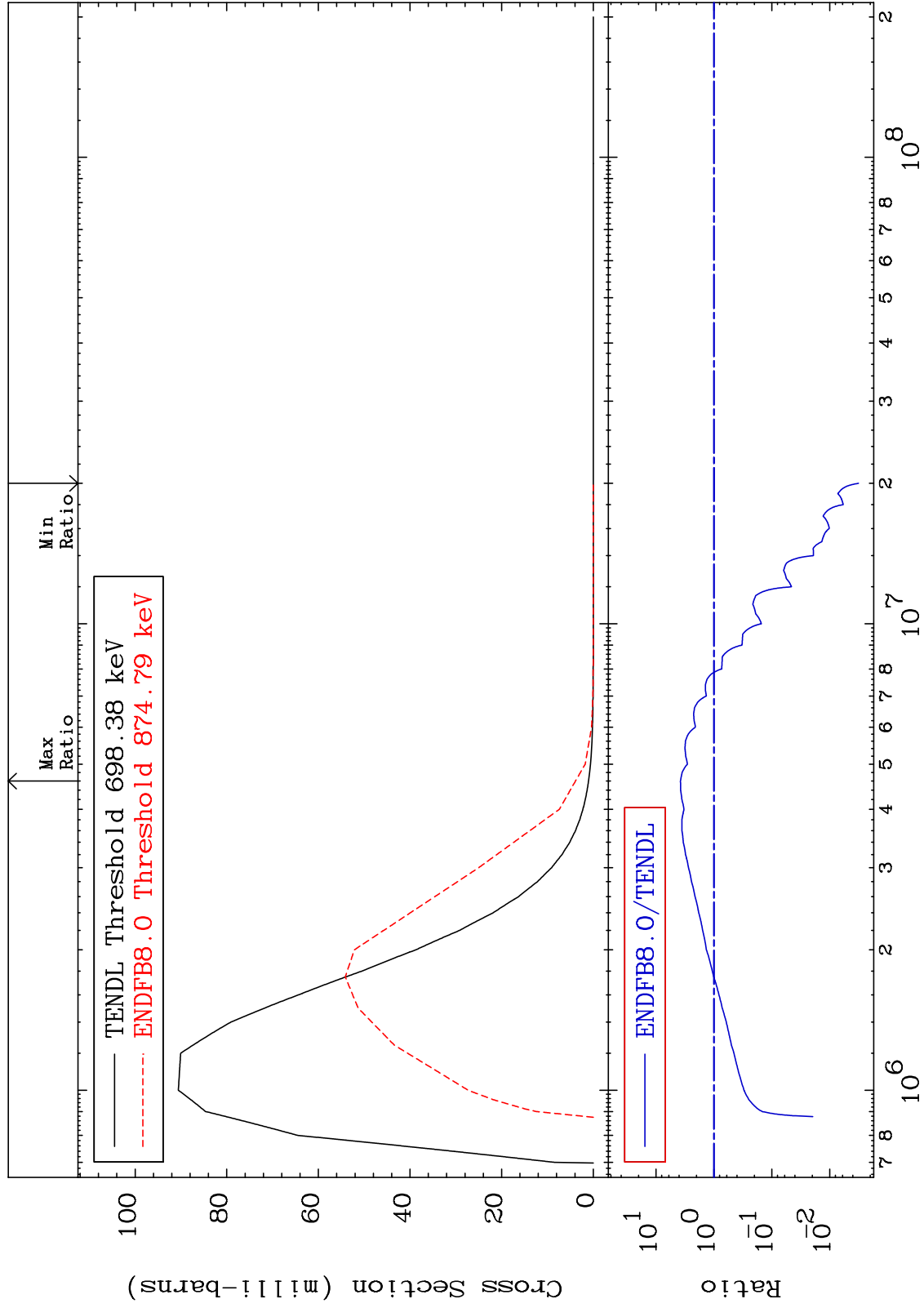
MAT 5440 MT= 63 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To -85.02%



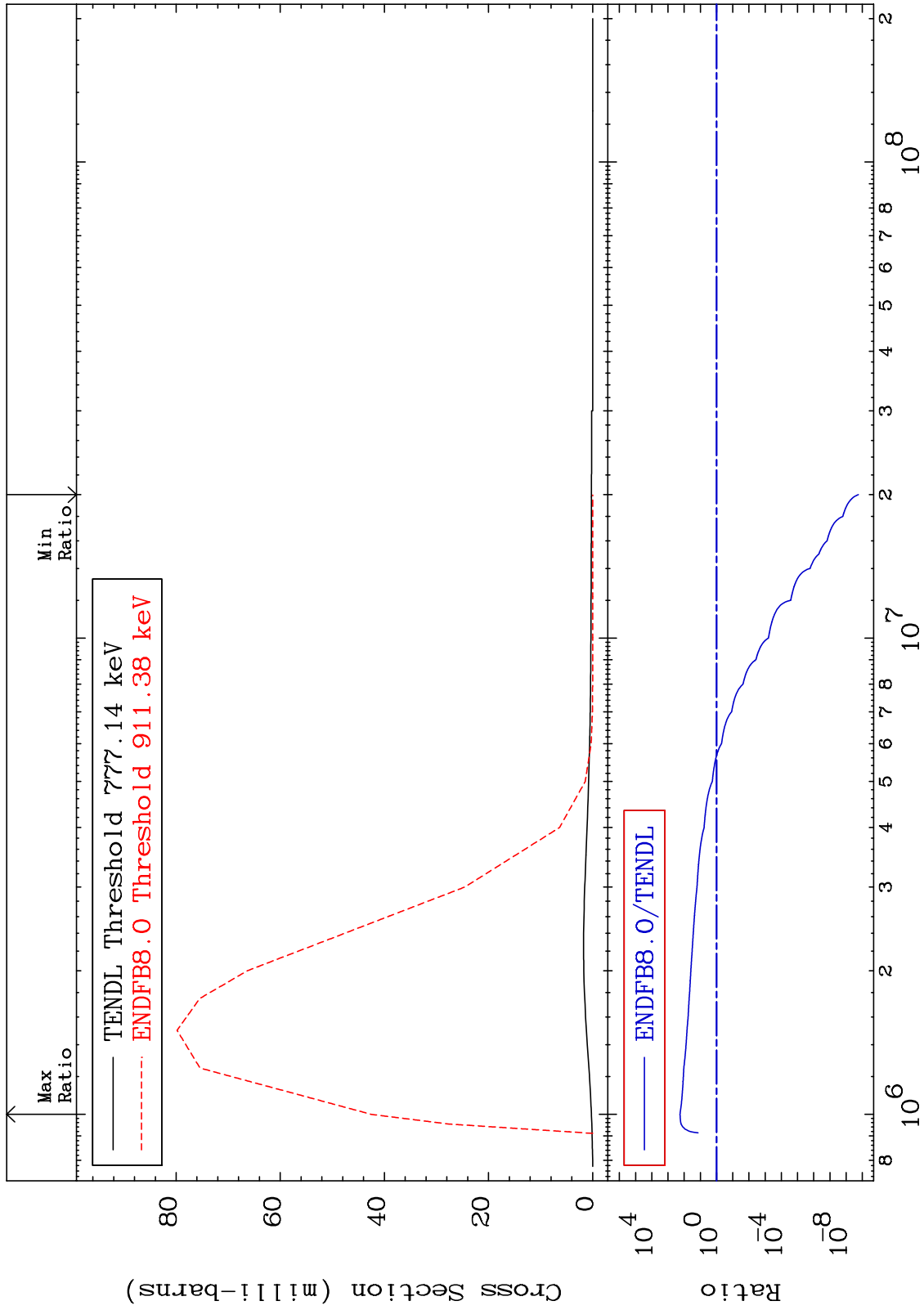
MAT 5440

MT= 64 (n,n') Level  
Cross Section

54-Xe-129  
-99.68 To 277.7 %

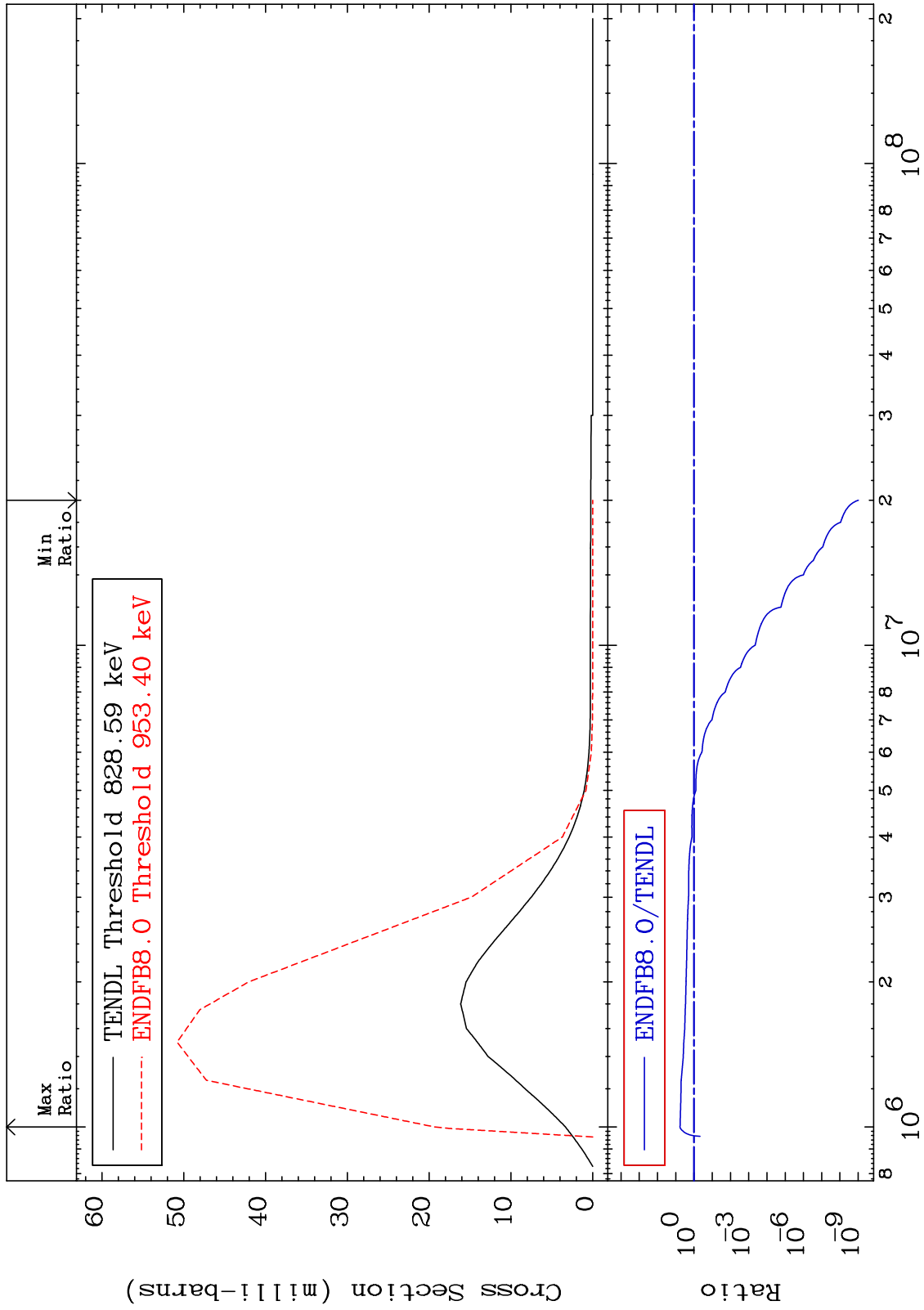


MAT 5440 MT= 65 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 9999. %





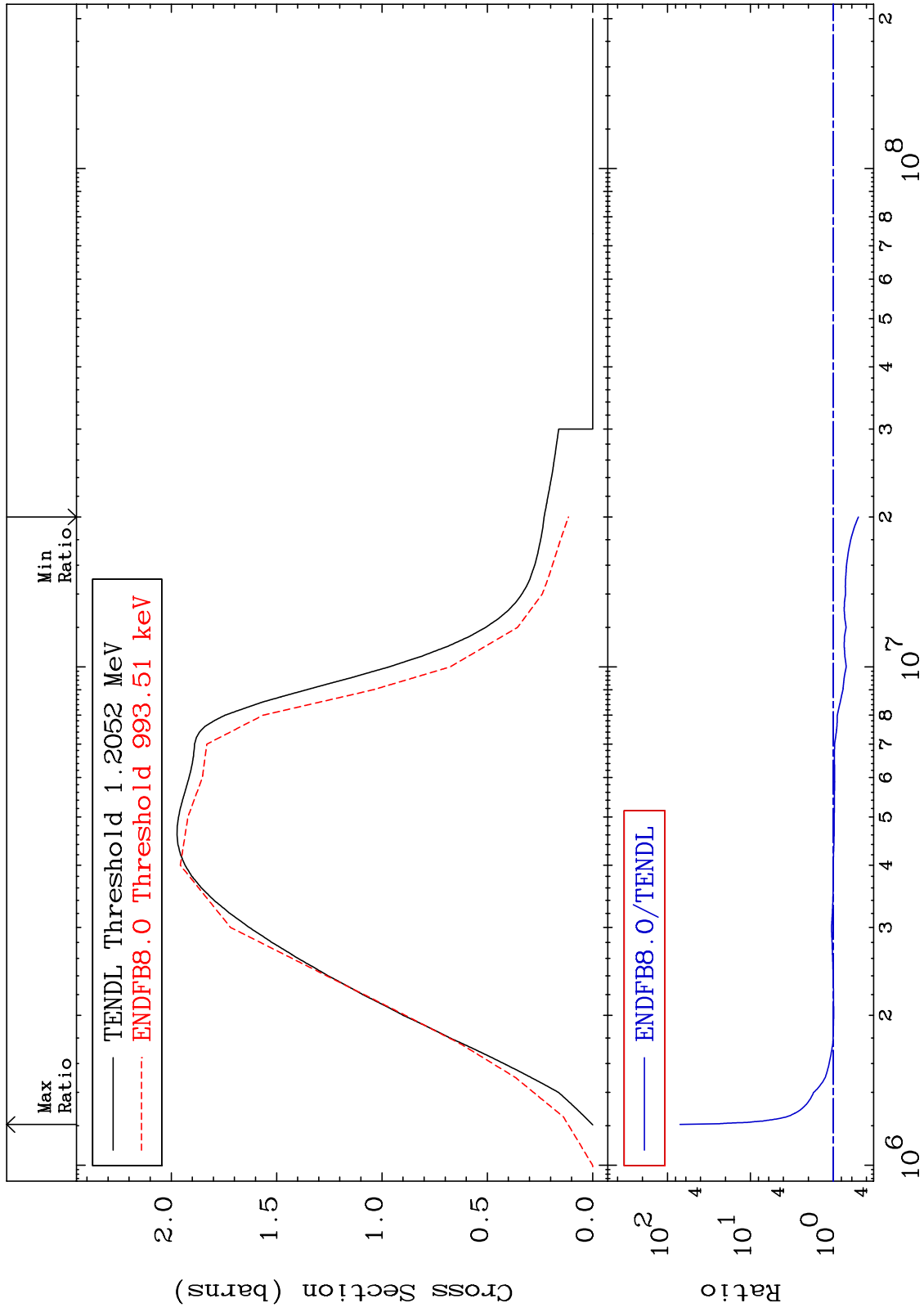
MAT 5440 MT= 66 (n,n') Level Cross Section 54-Xe-129  
 -100.0 To 481.0 %



MAT 5440

(n, n') Continuum  
Cross Section

54-Xe-129  
-50.08 To 6957. %



25

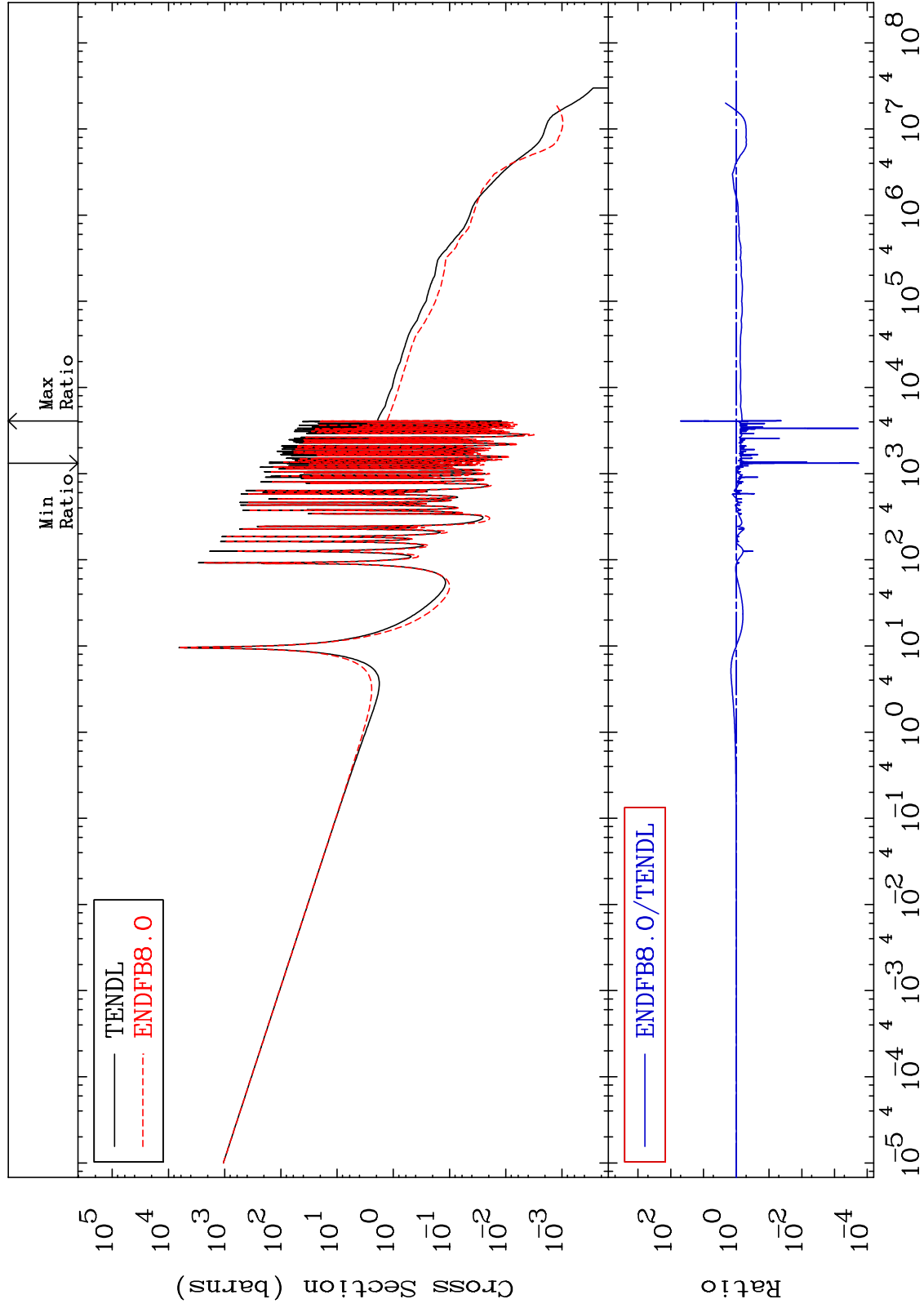
Incident Energy (eV)

54-Xe-129

MAT 5440

(n,  $\gamma$ )  
Cross Section

54-Xe-129  
-99.98 To 4956. %



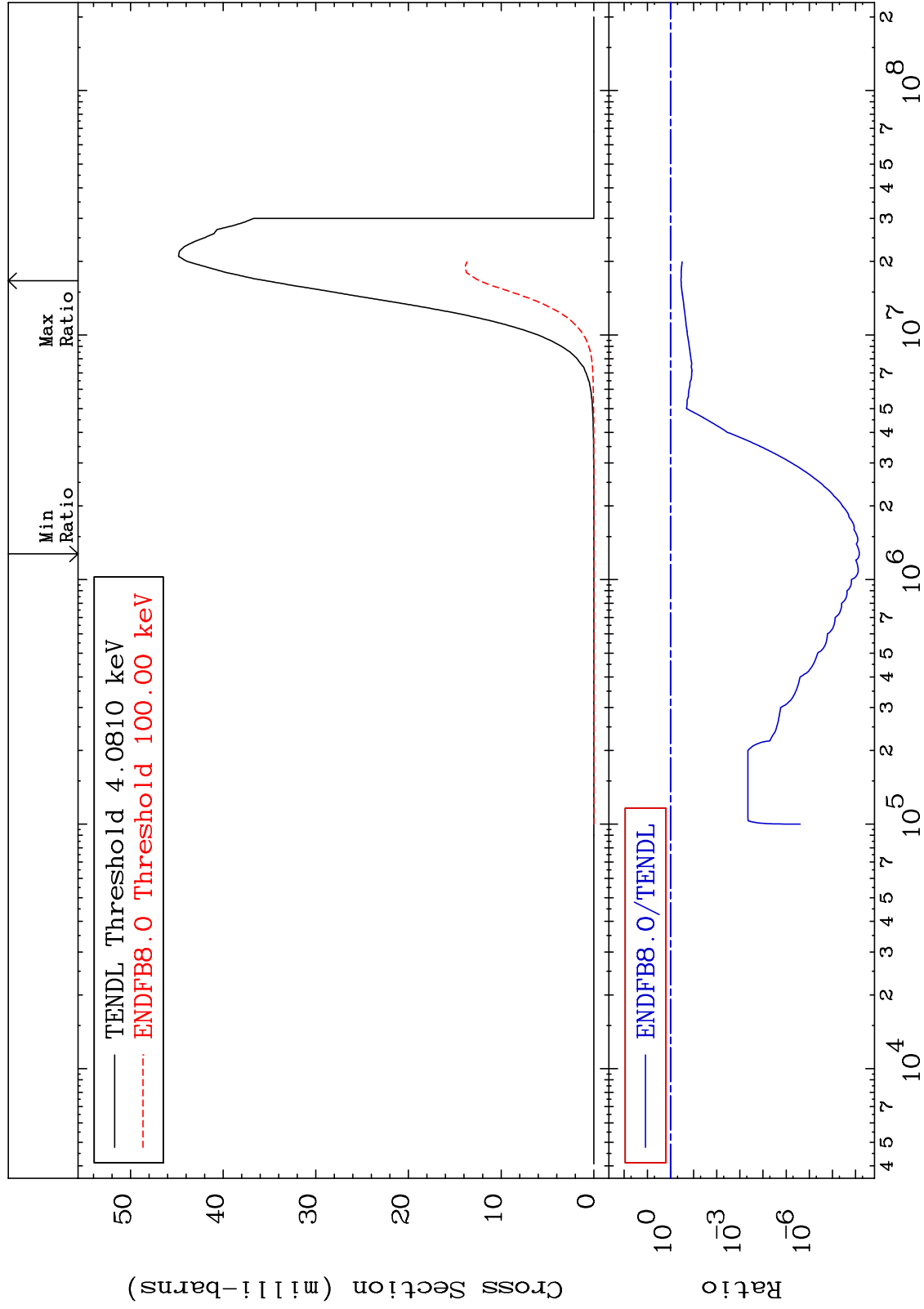
MAT 5440

(n, p)

54-Xe-129

Cross Section

-100.0 To -65.12%



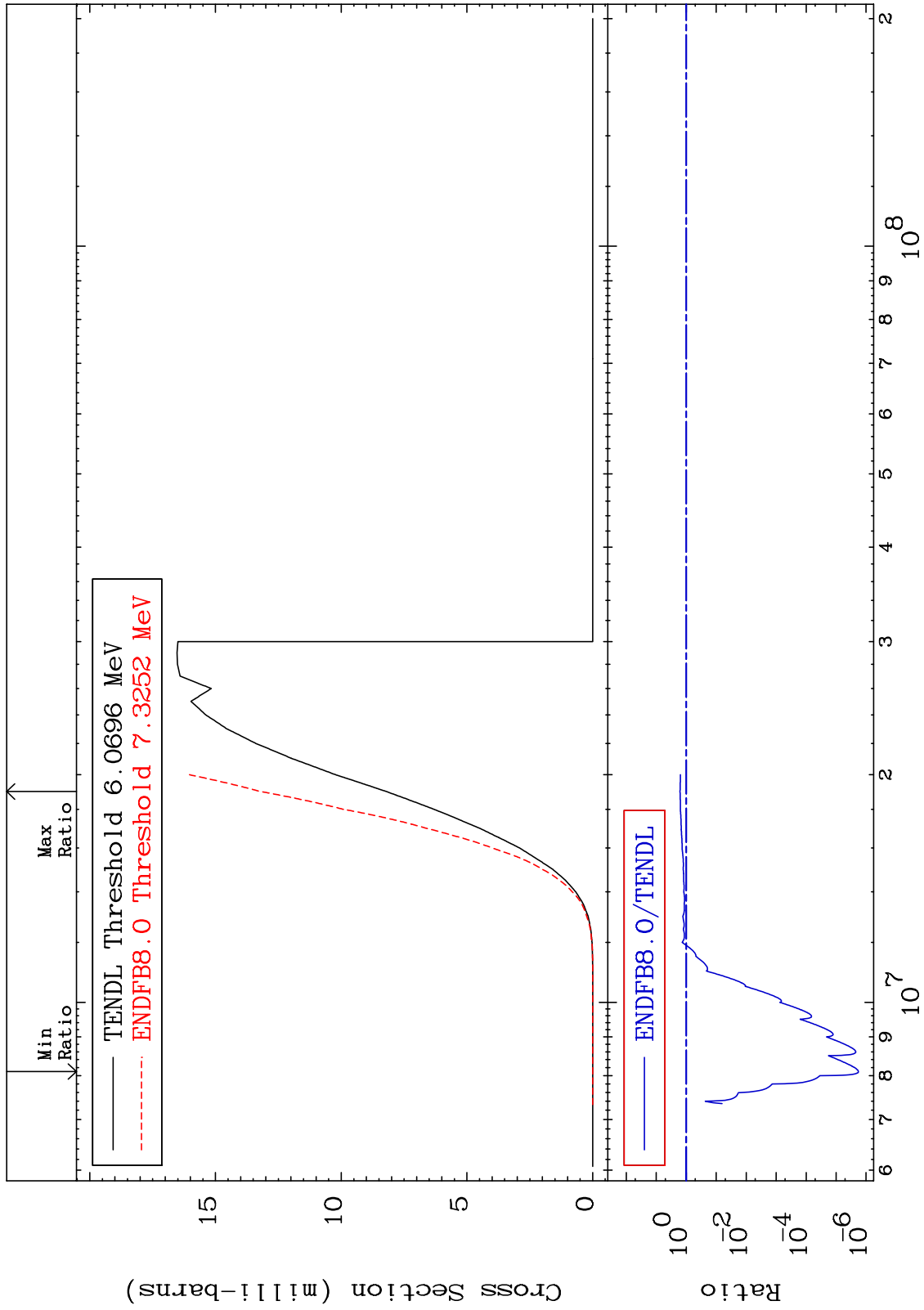
MAT 5440

(n, d)

54-Xe-129

Cross Section

-100.0 To 60.87 %



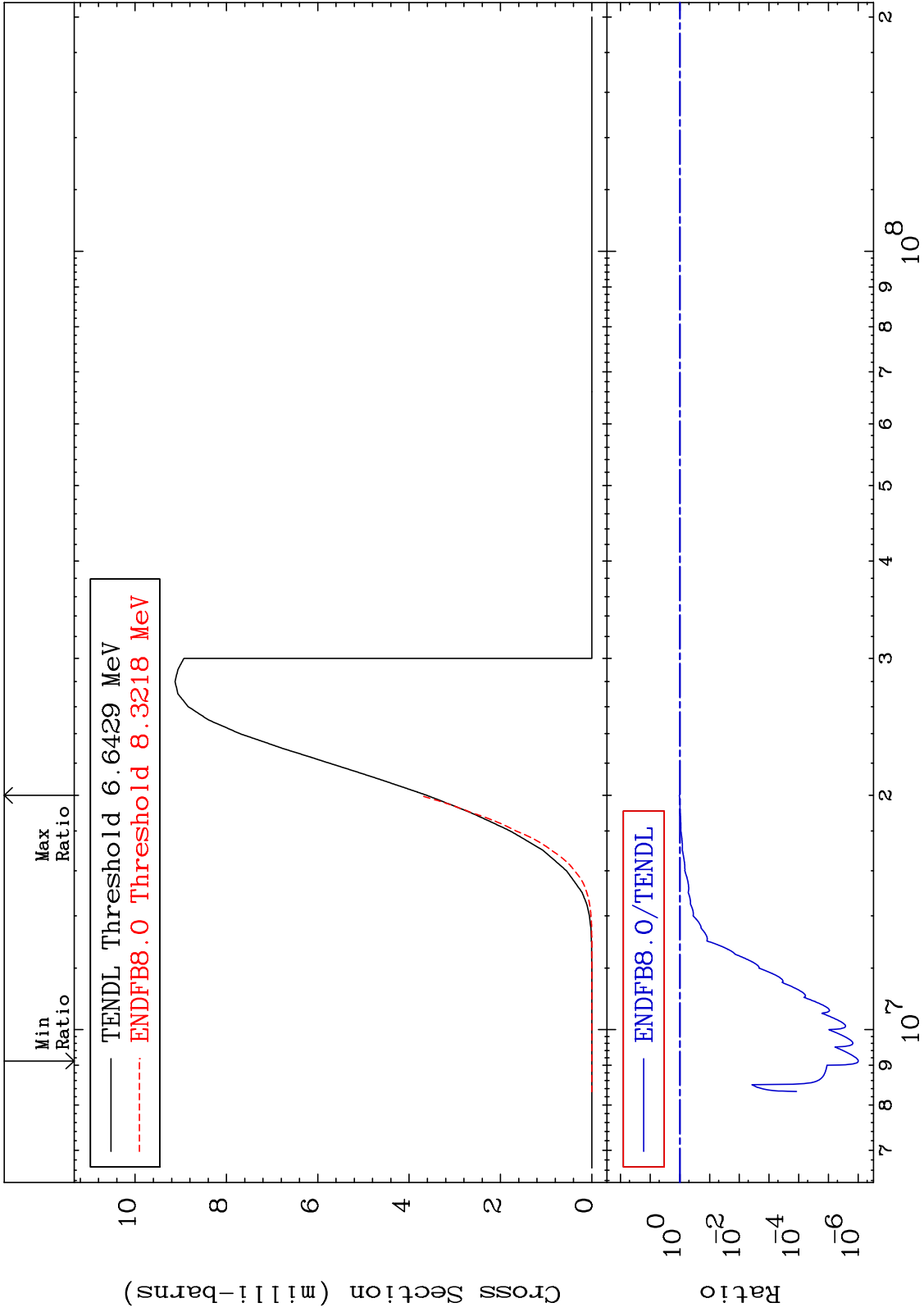
MAT 5440

(n, t)

54-Xe-129

Cross Section

-100.0 To 4.380 %



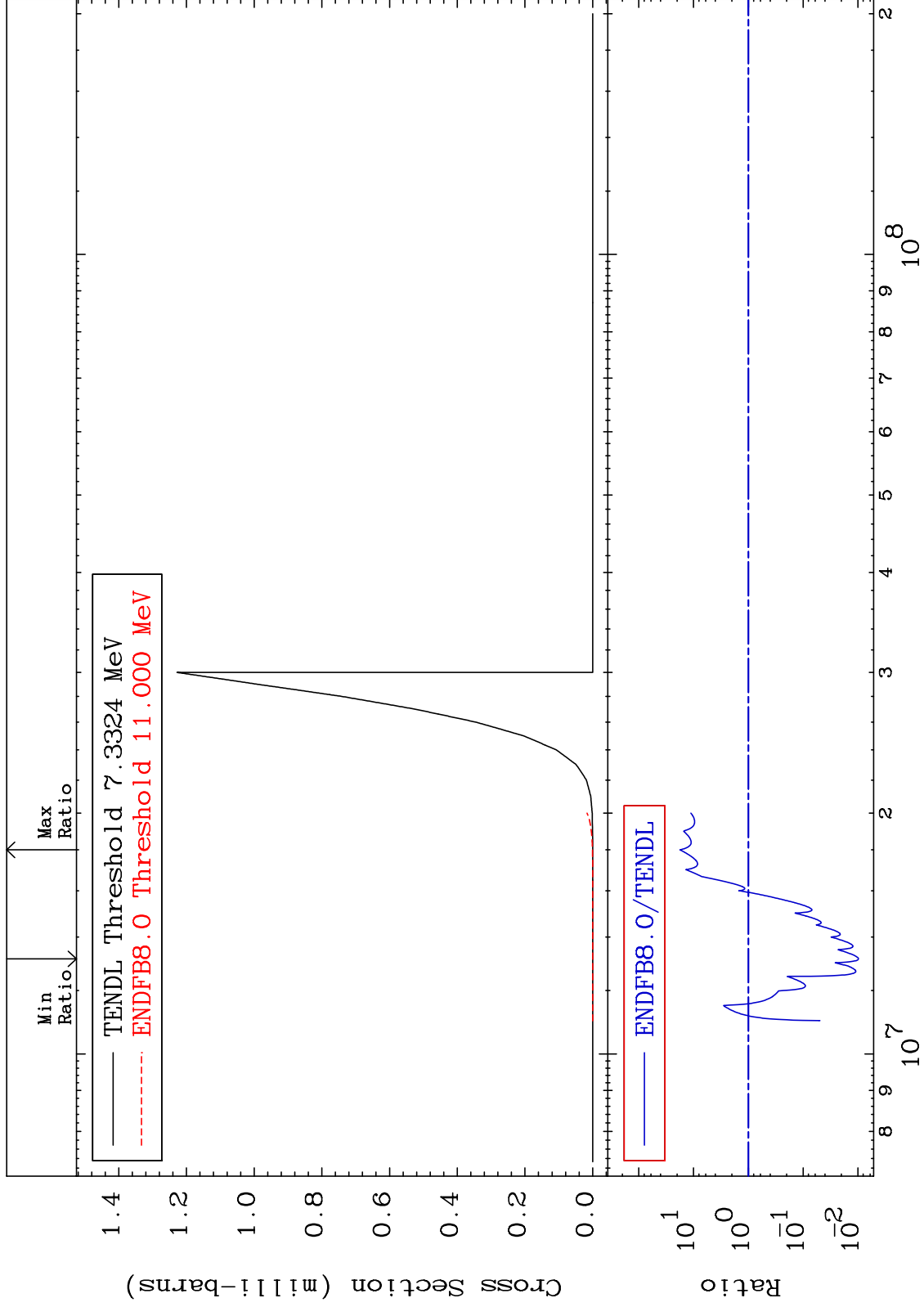
MAT 5440

(n, He-3)

54-Xe-129

Cross Section

-99.02 To 1667. %



30

Incident Energy (eV)

54-Xe-129

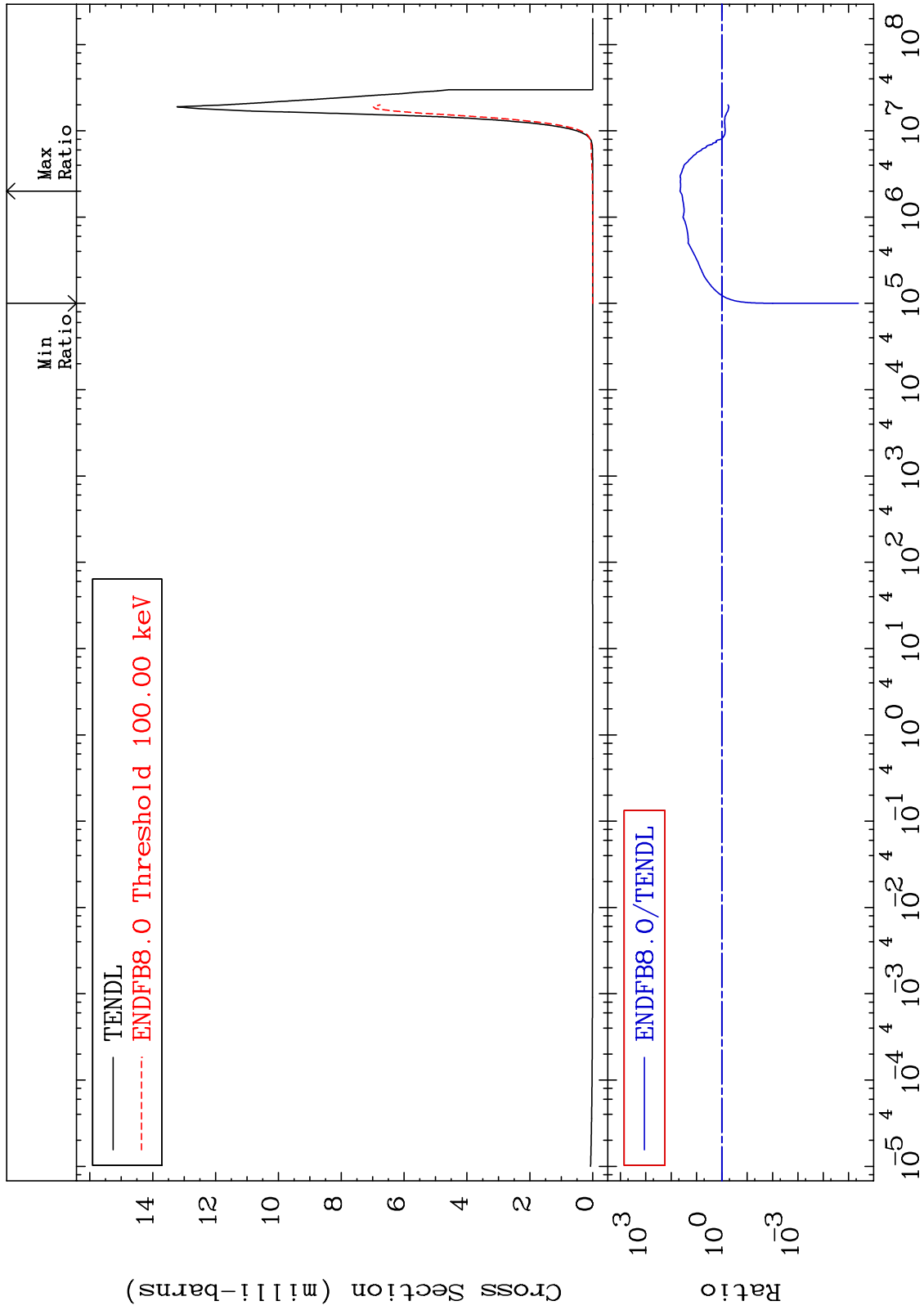
MAT 5440

(n,  $\alpha$ )

54-Xe-129

Cross Section

-100.0 To 4362. %



31

Incident Energy (eV)

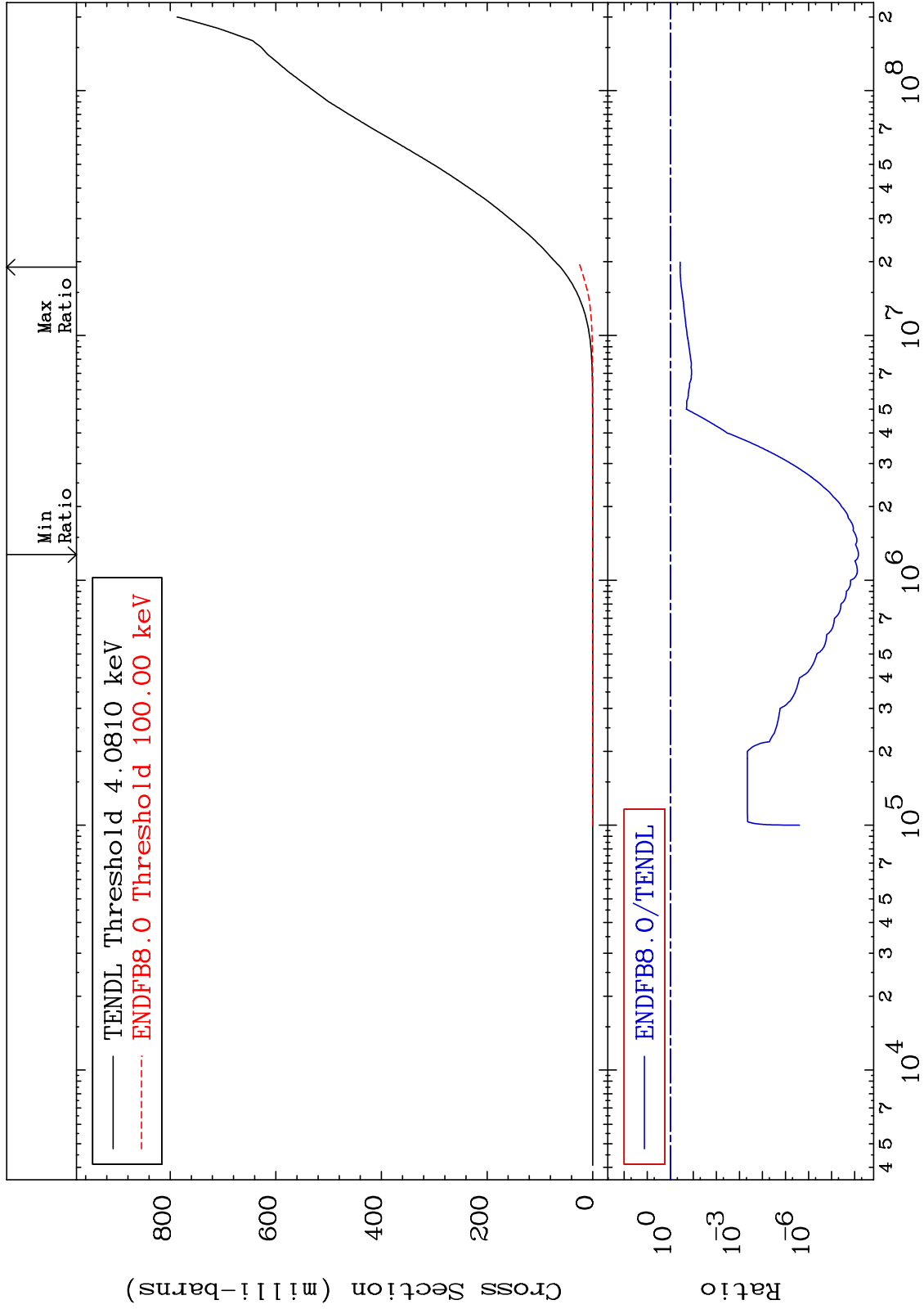
54-Xe-129



MAT 5440

Hydrogen Production  
Cross Section

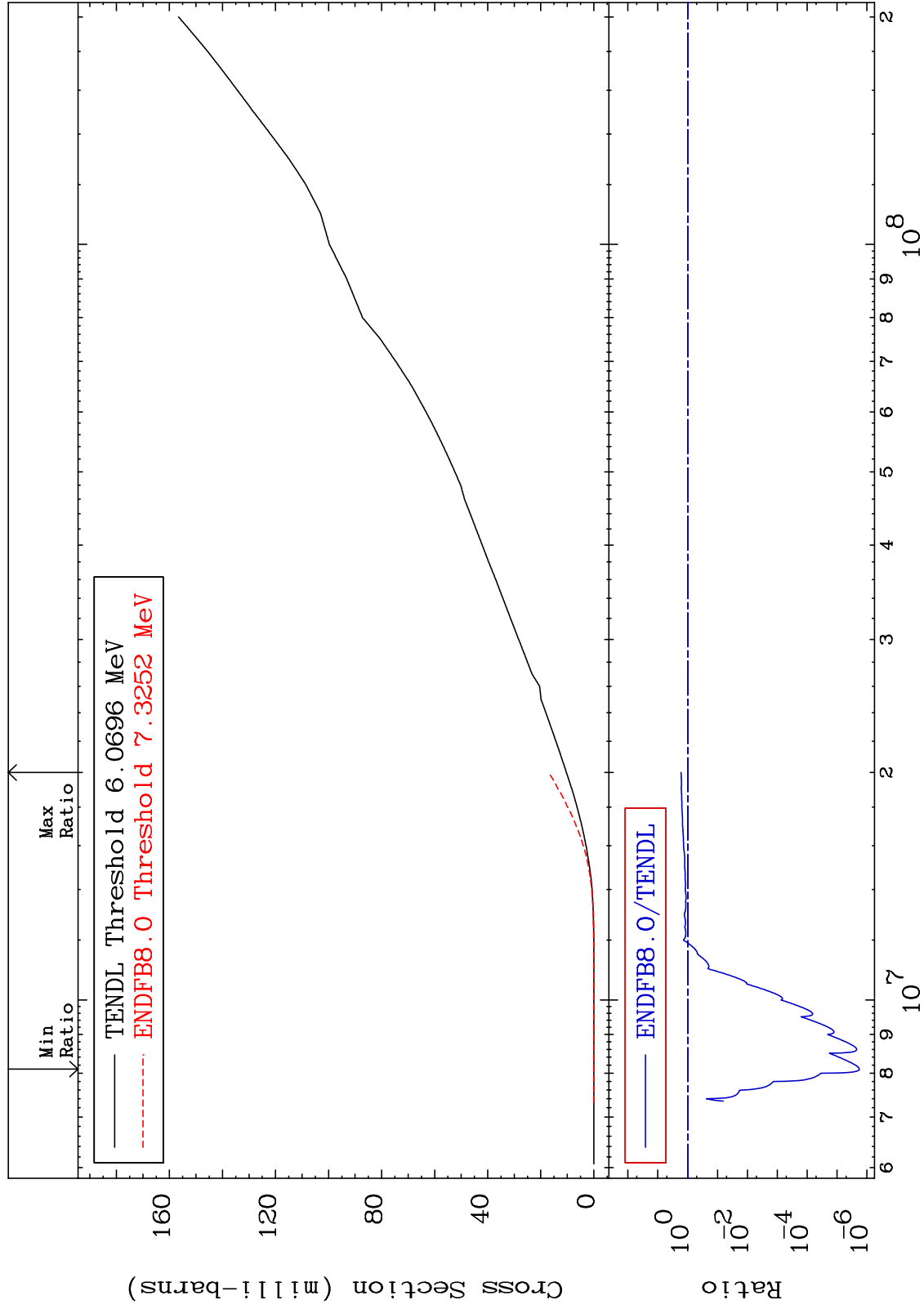
54-Xe-129  
-100.0 To -62.12%



MAT 5440

Deuterium Production  
Cross Section

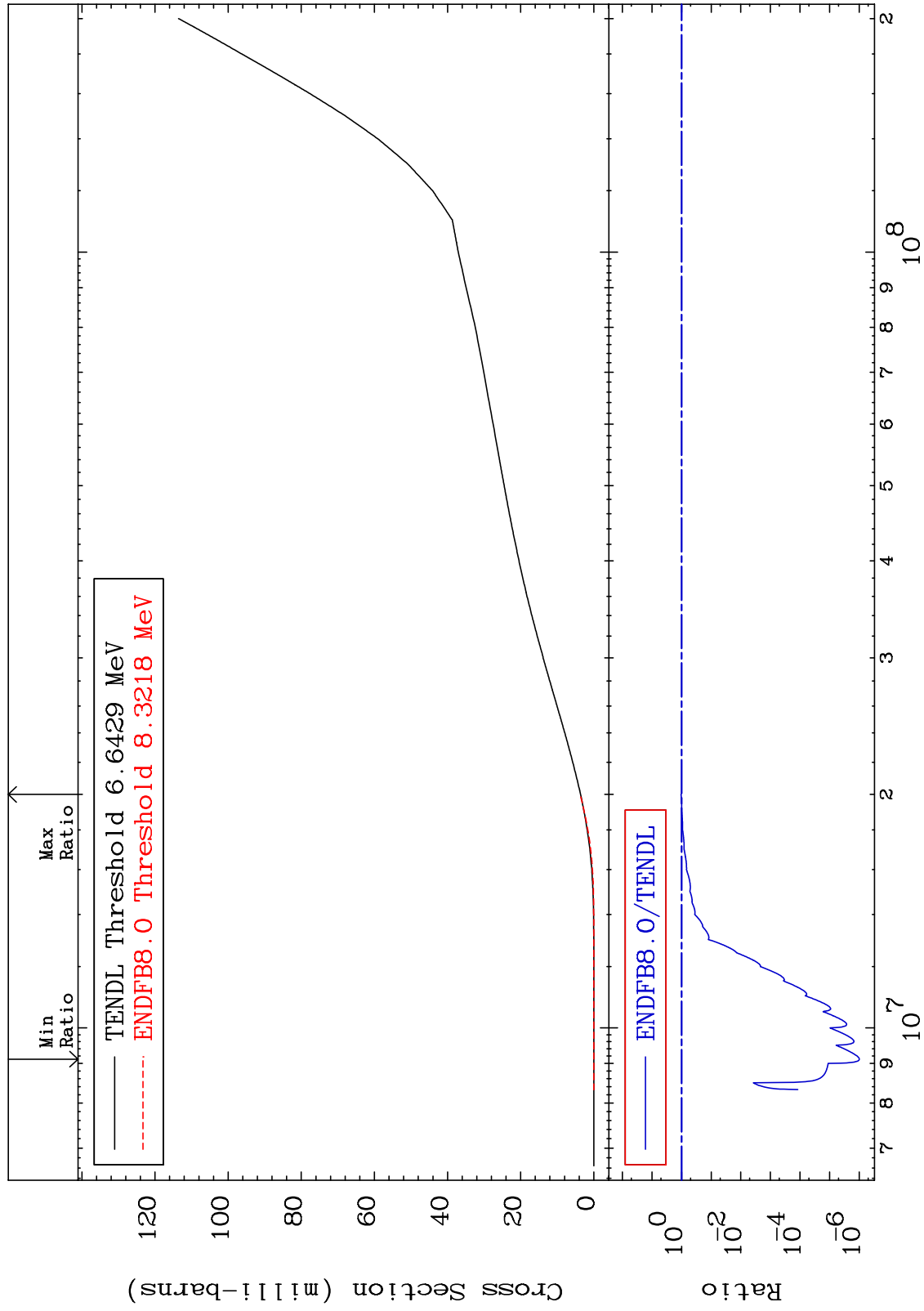
54-Xe-129  
-100.0 To 66.03 %



MAT 5440

Tritium Production  
Cross Section

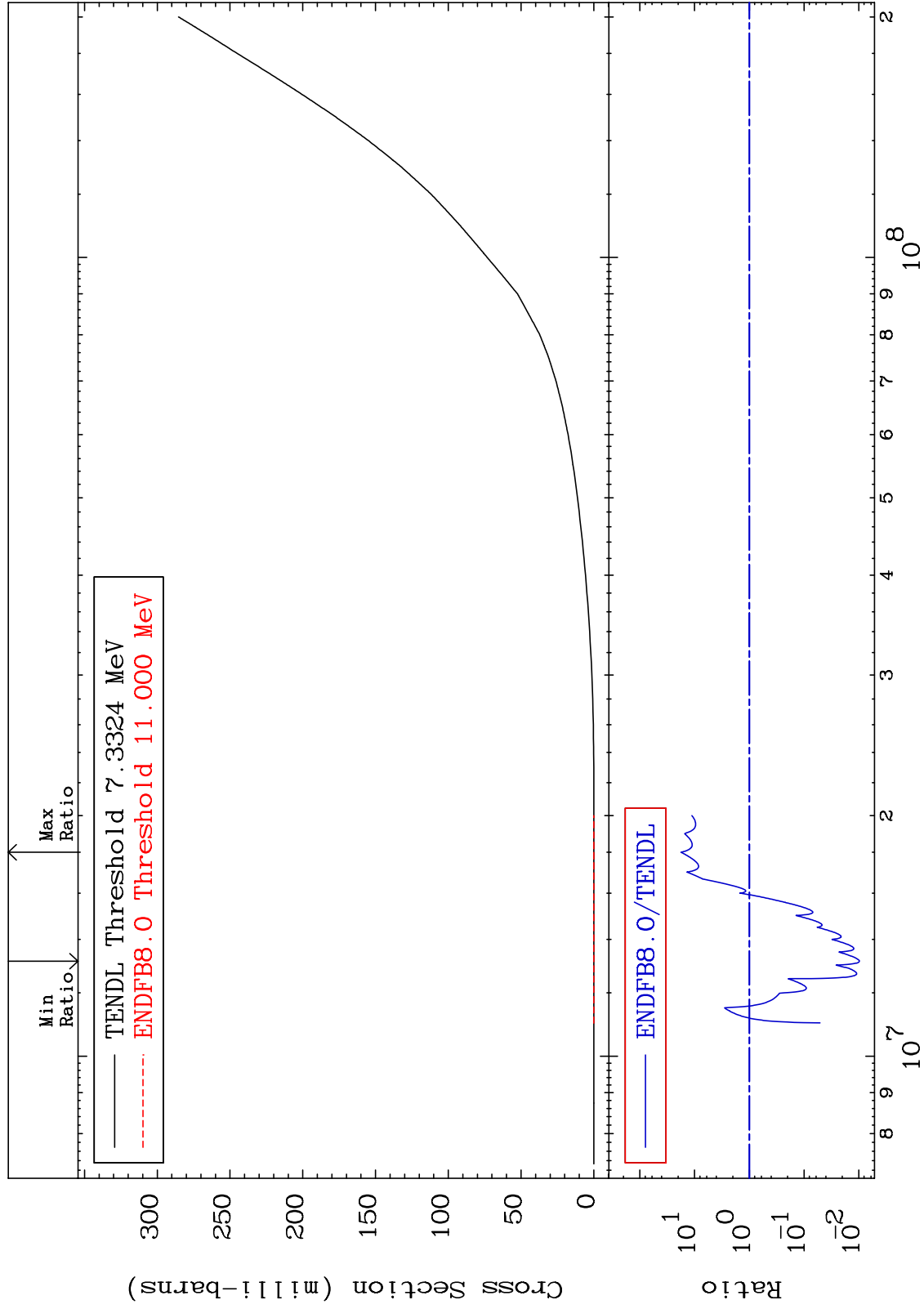
54-Xe-129  
-100.0 To 4.380 %



MAT 5440

He-3 Production  
Cross Section

54-Xe-129  
-99.02 To 1667. %



35

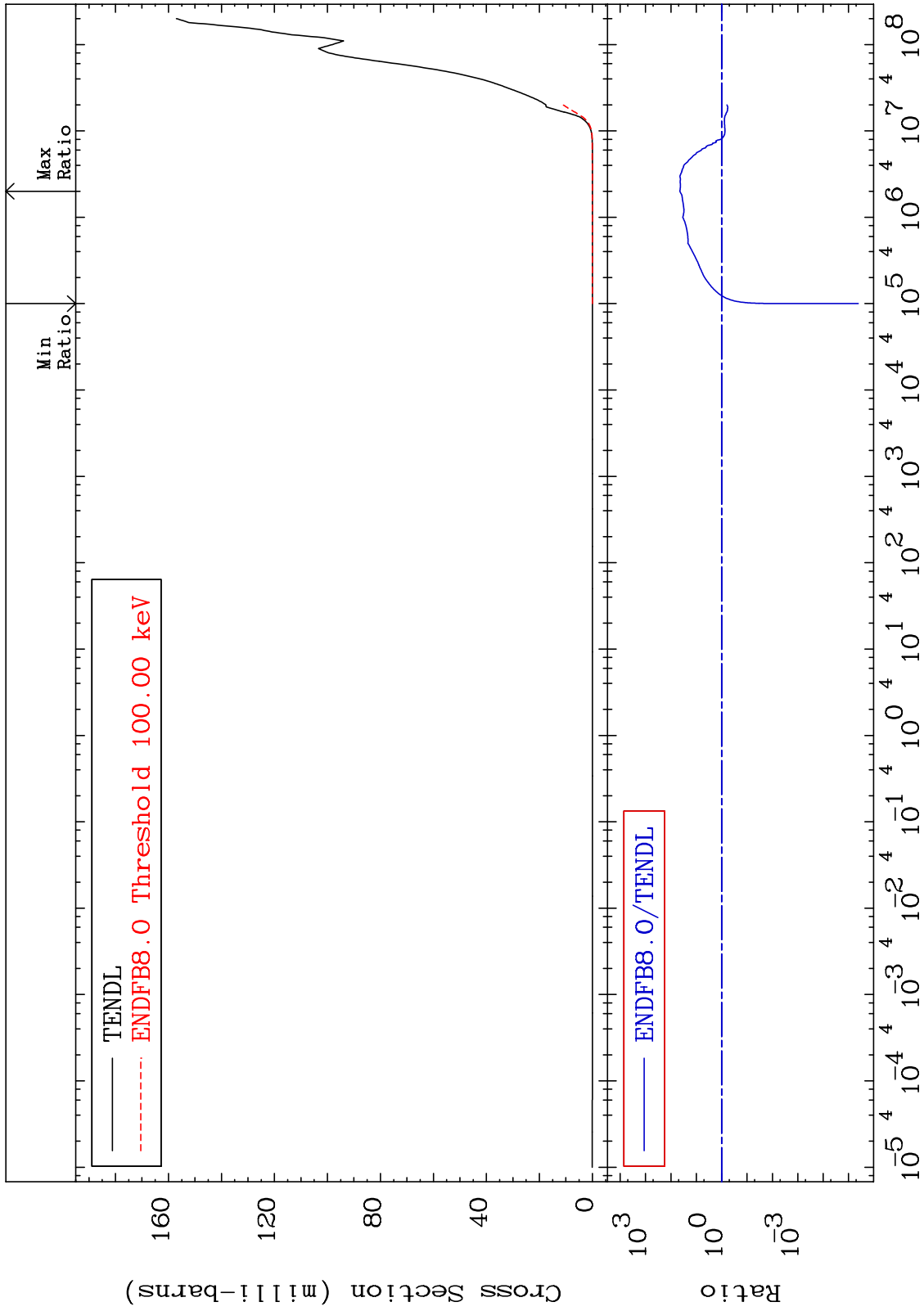
Incident Energy (eV)

54-Xe-129

MAT 5440

He-4 Production  
Cross Section

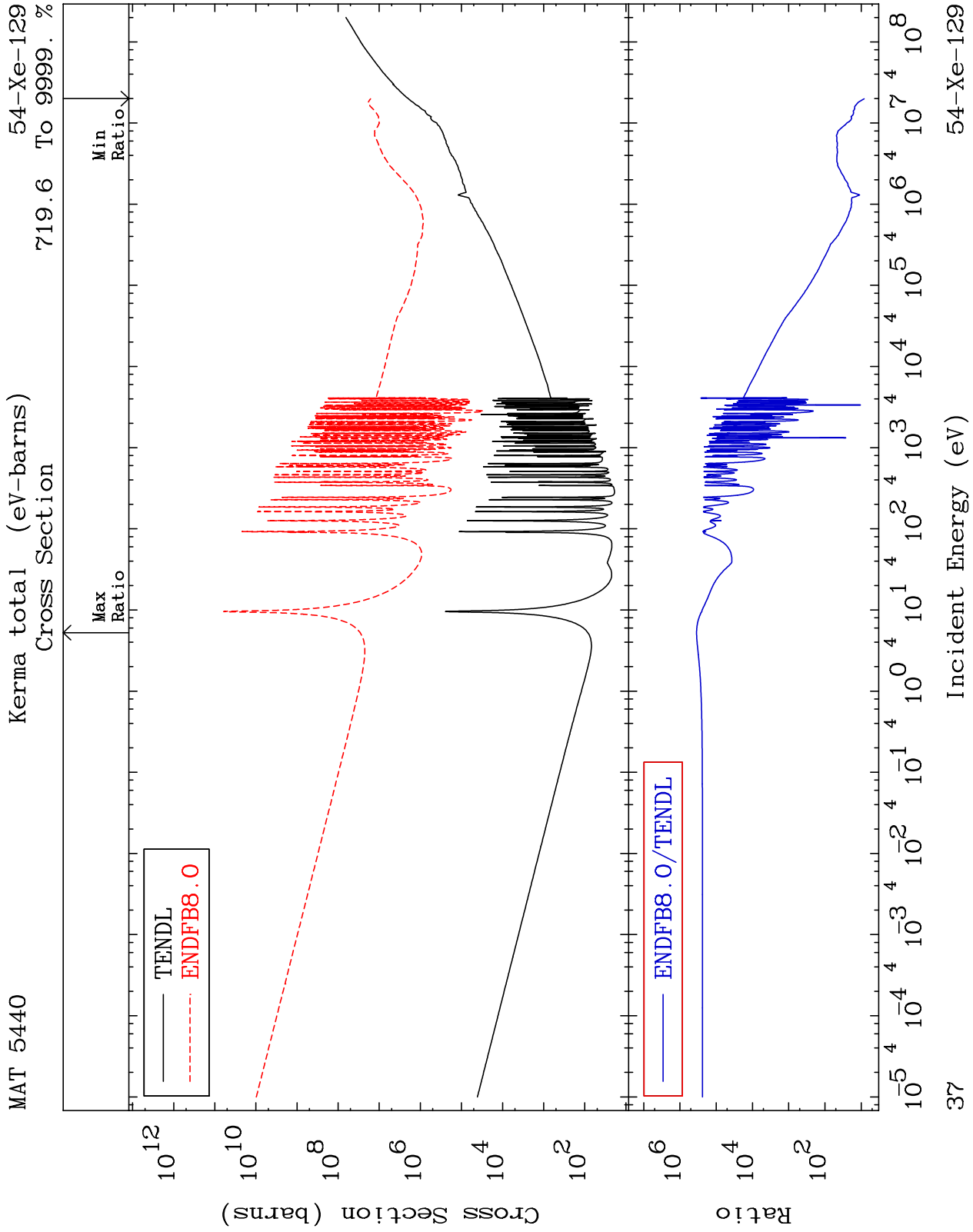
54-Xe-129  
-100.0 To 4362. %



36

Incident Energy (eV)

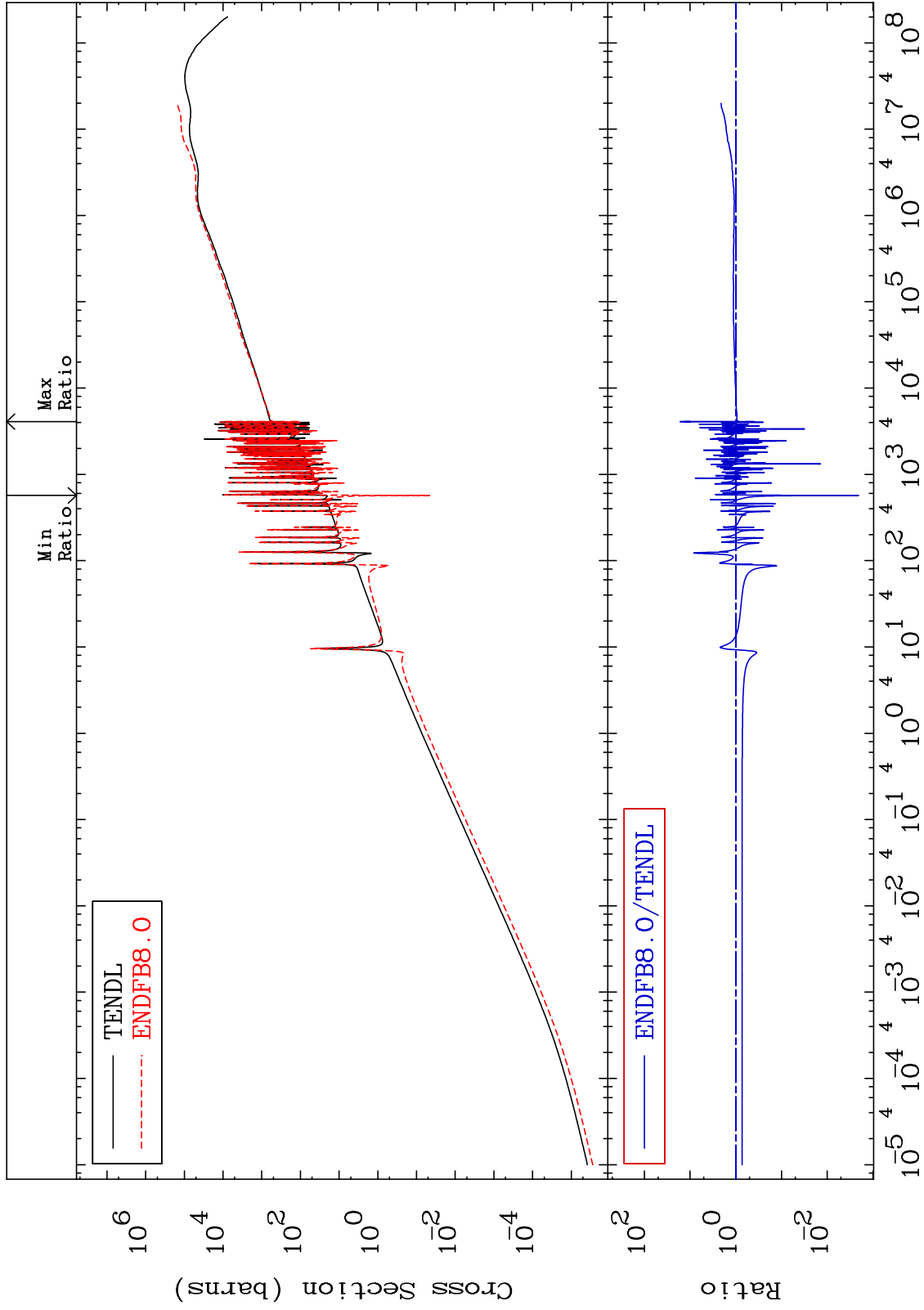
54-Xe-129



MAT 5440

Kerma elastic  
Cross Section

54-Xe-129  
-99.79 To 1555. %



38

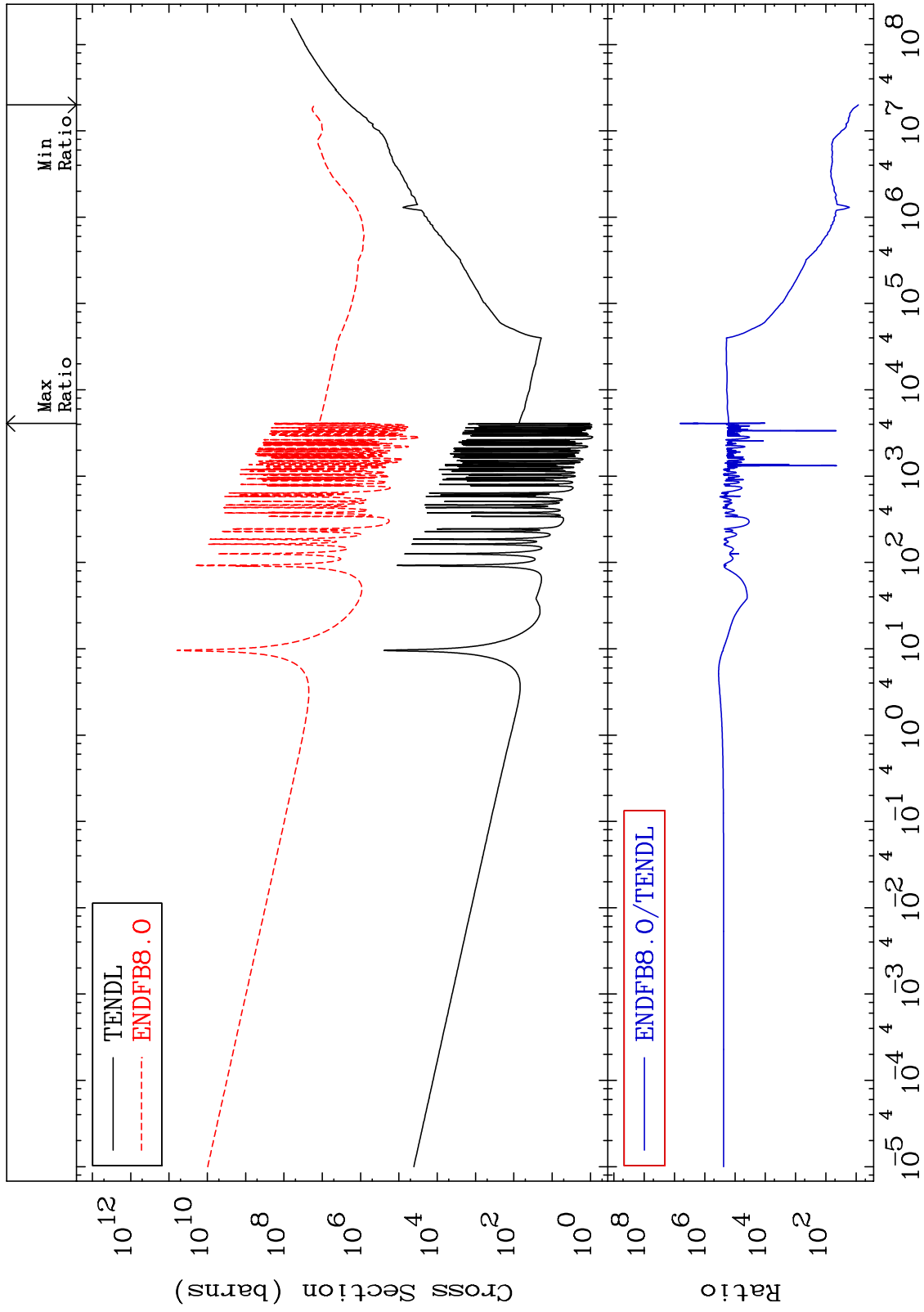
Incident Energy (eV)

54-Xe-129

MAT 5440

Kerma non-elastic (all but mt2)  
Cross Section

54-Xe-129  
743.2 To 9999. %

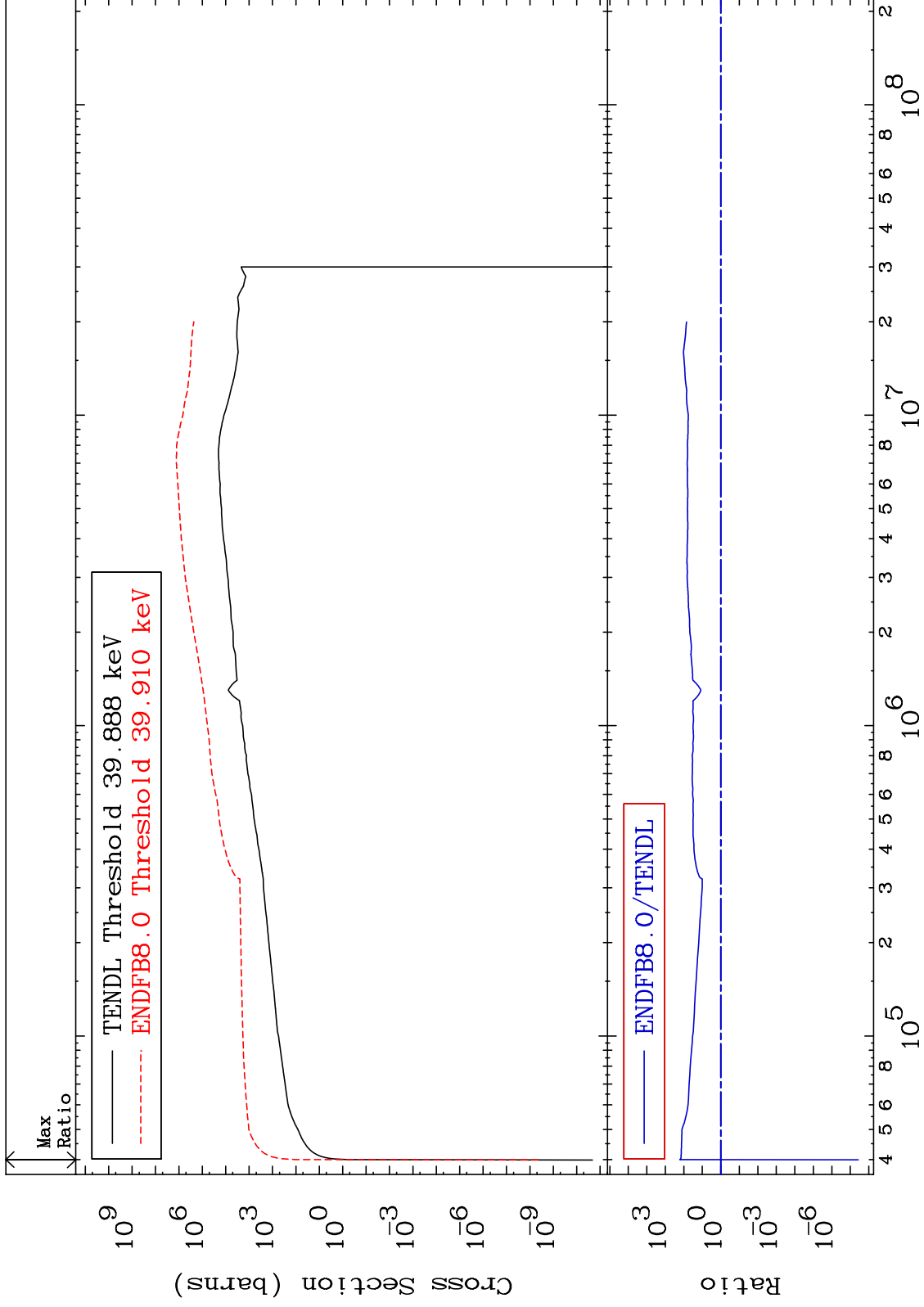




MAT 5440

Kerma inelastic (mt51-91)  
Cross Section

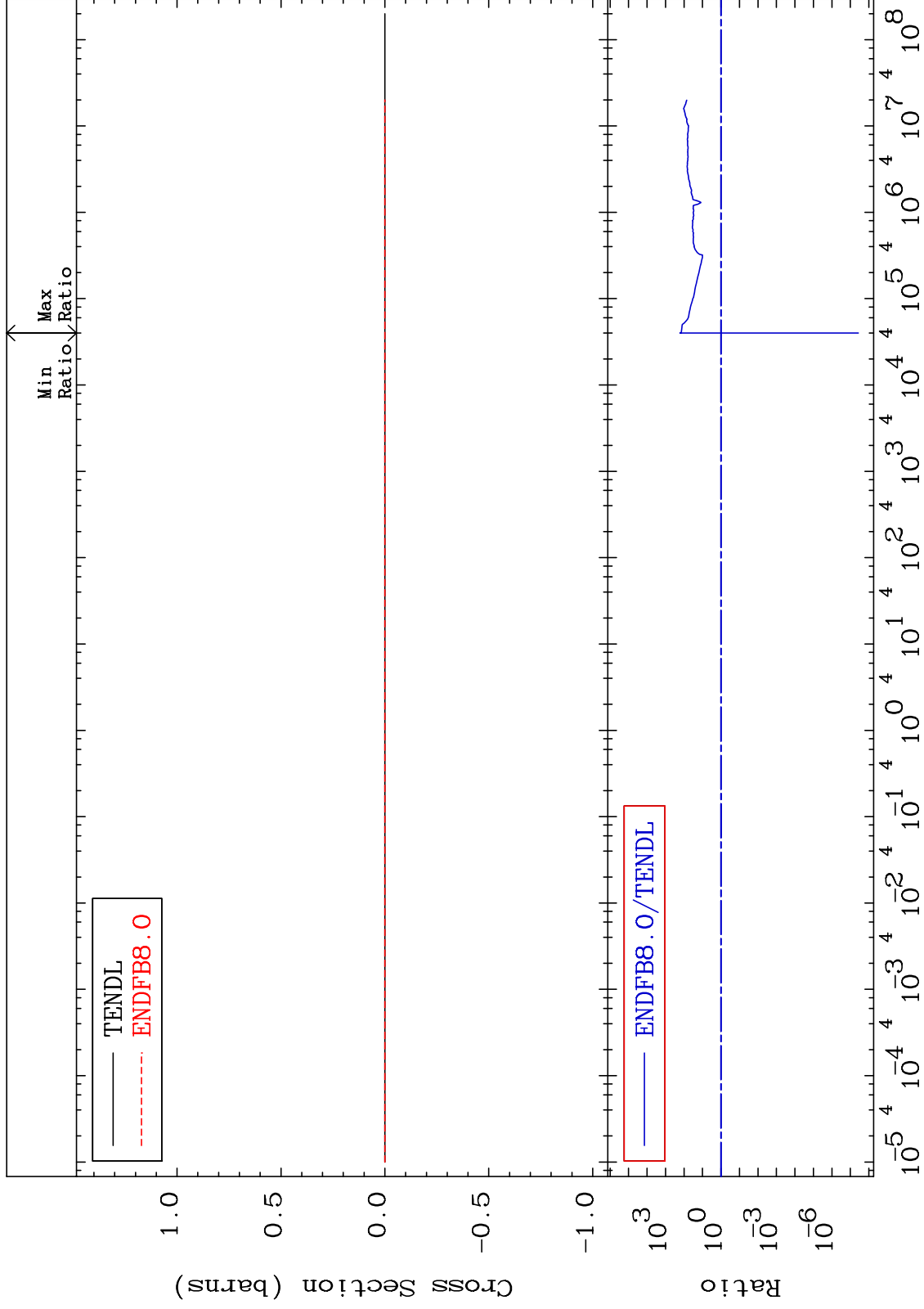
54-Xe-129  
-100.0 To 9999. %



MAT 5440

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

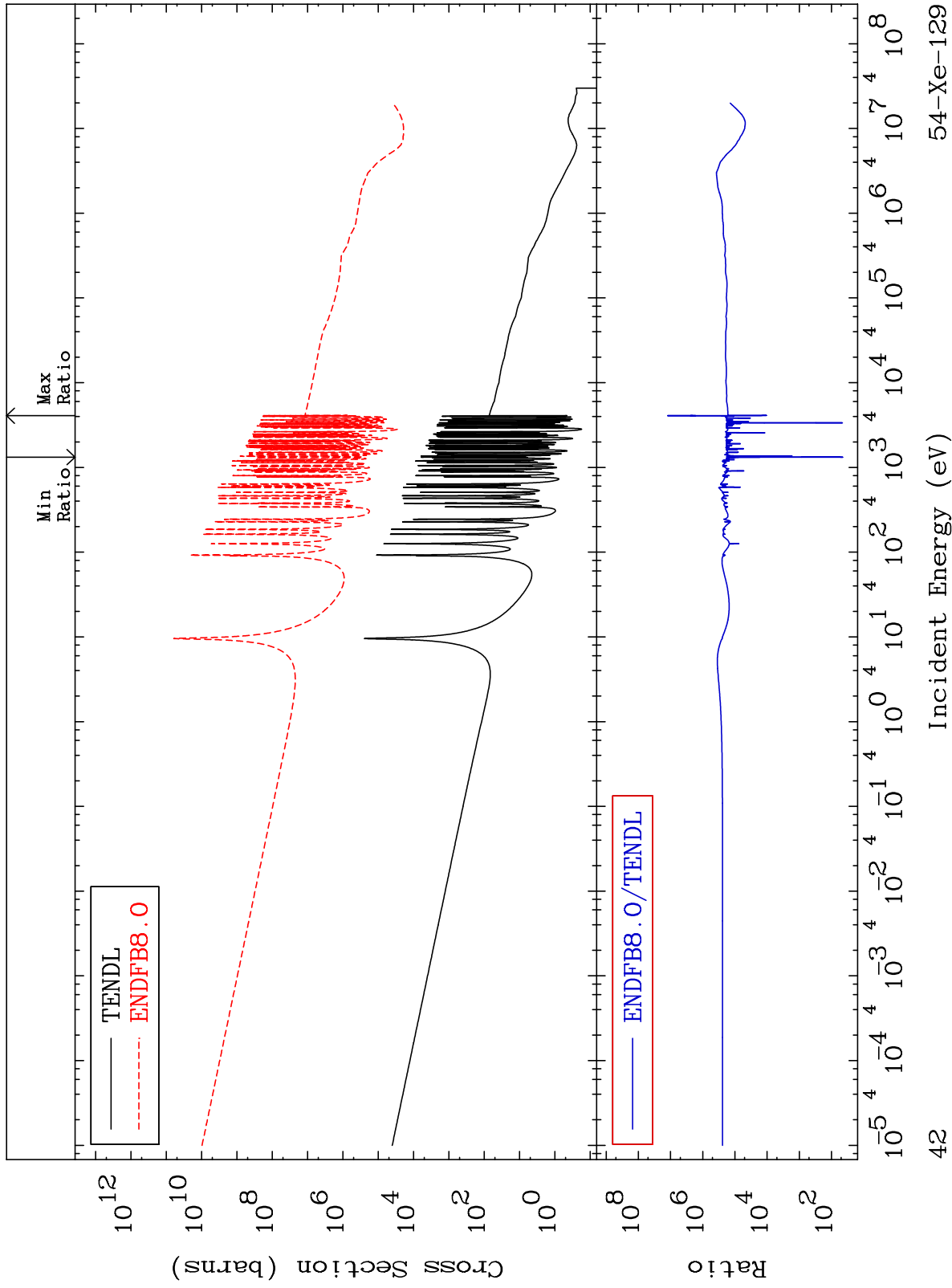
54-Xe-129  
-100.0 To 9999. %



MAT 5440

Kerma capture (mt102)  
Cross Section

54-Xe-129  
4383. To 9999. %



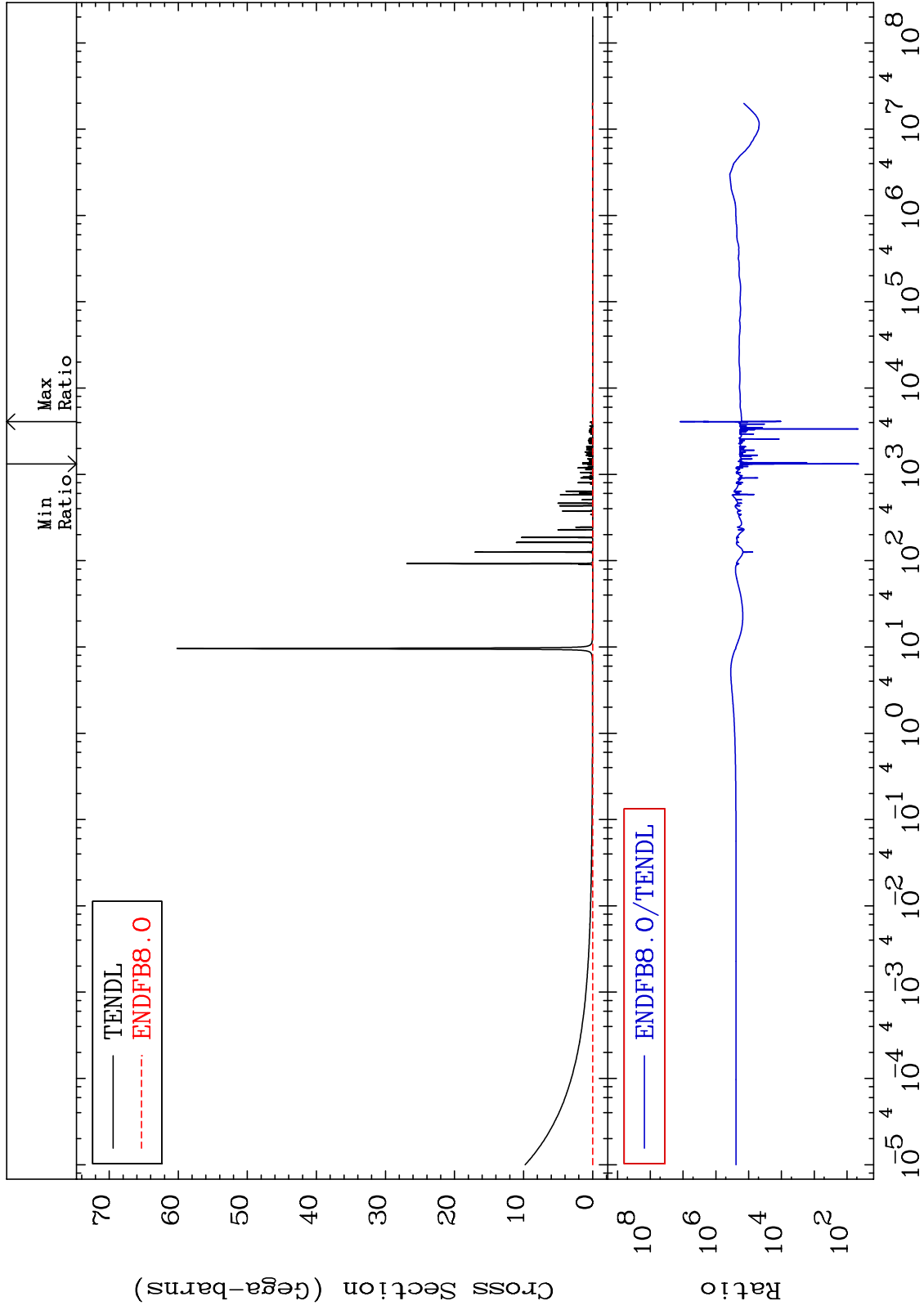
54-Xe-129

42

MAT 5440

Total photon (eV-barns)  
Cross Section

54-Xe-129  
4383. To 9999. %



43

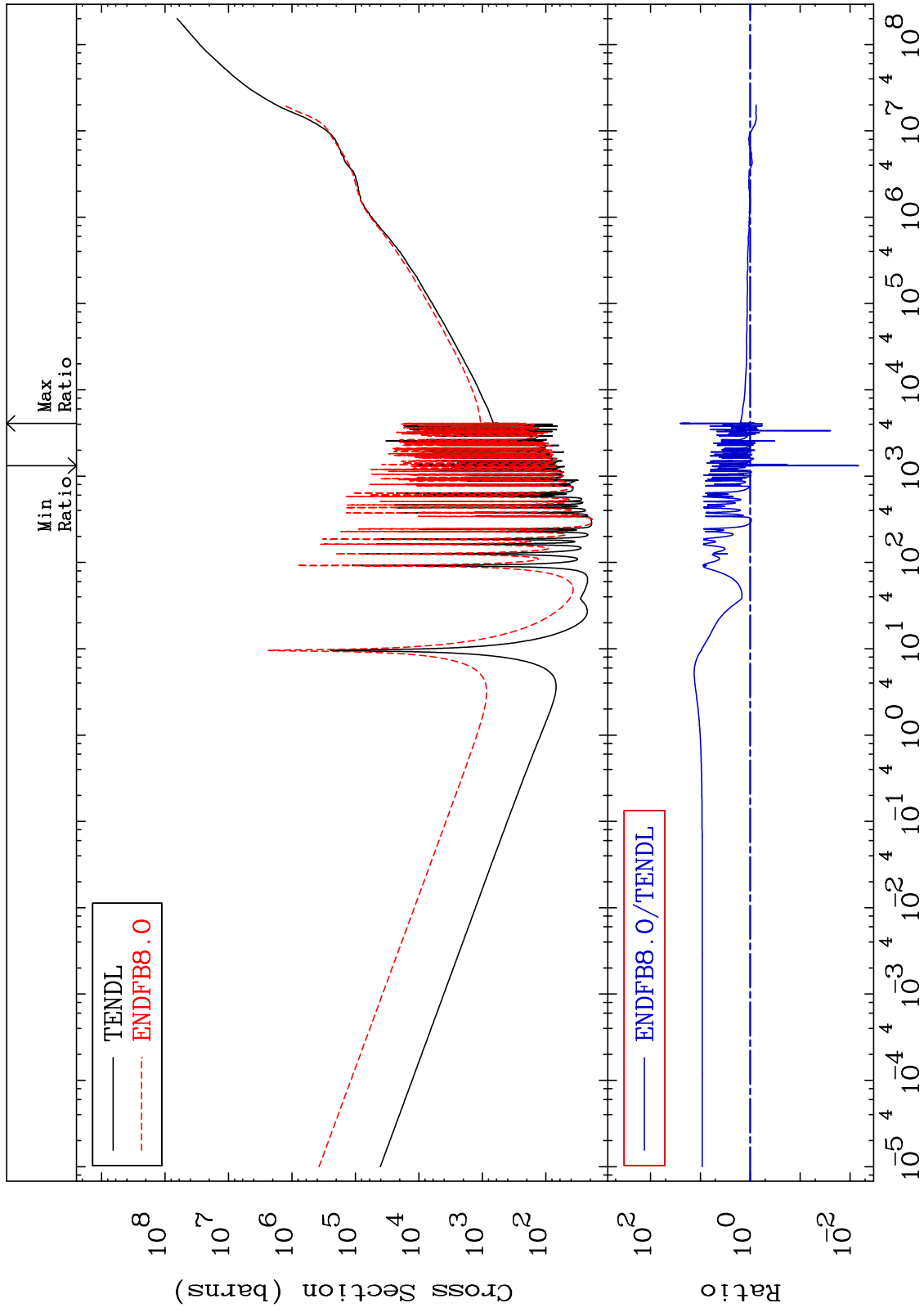
Incident Energy (eV)

54-Xe-129

MAT 5440

Total kinematic kerma (high limit)  
Cross Section

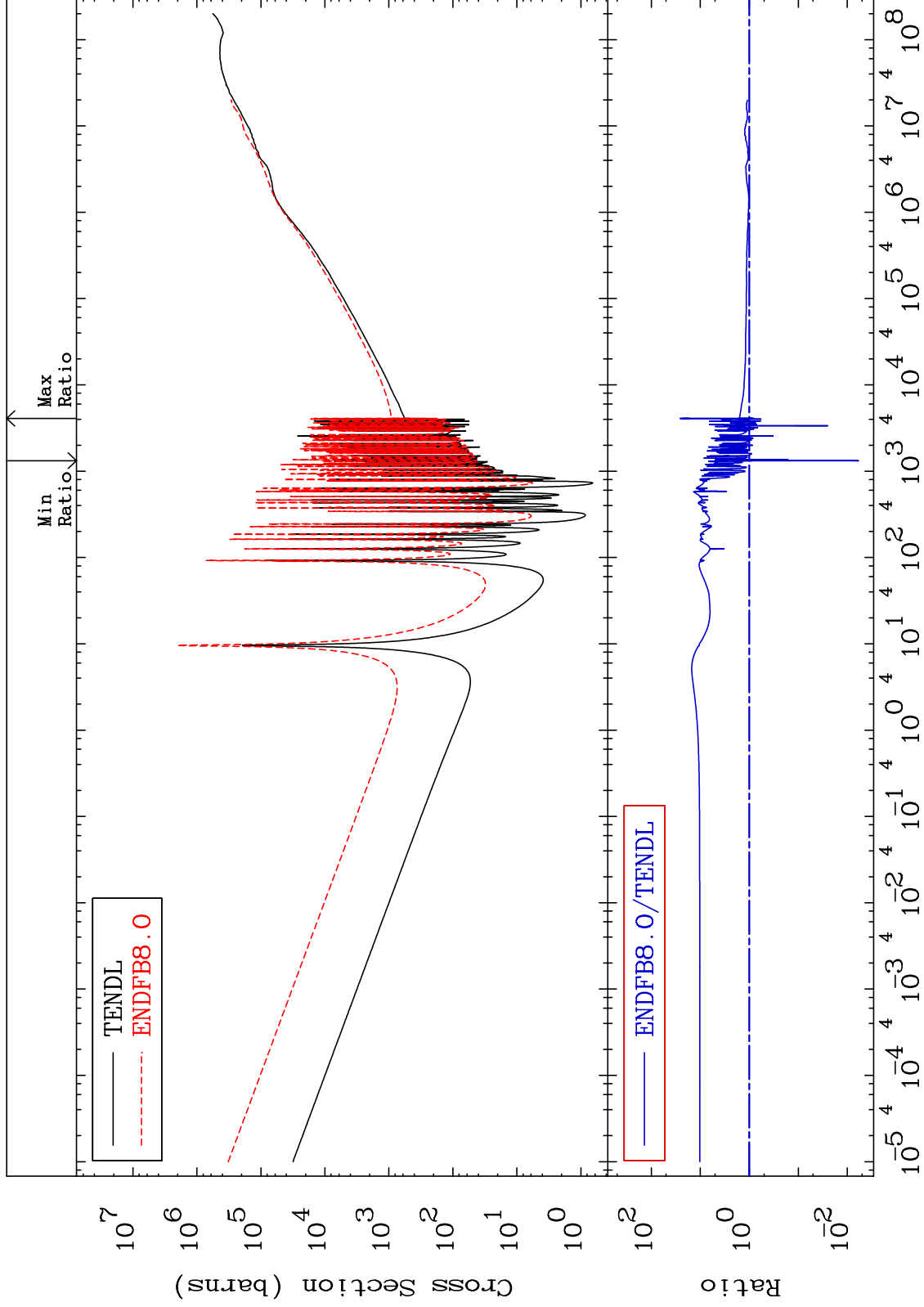
54-Xe-129  
-99.32 To 2457. %



MAT 5440

Dpa total (eV-barns)  
Cross Section

54-Xe-129  
-99.41 To 2491. %



45

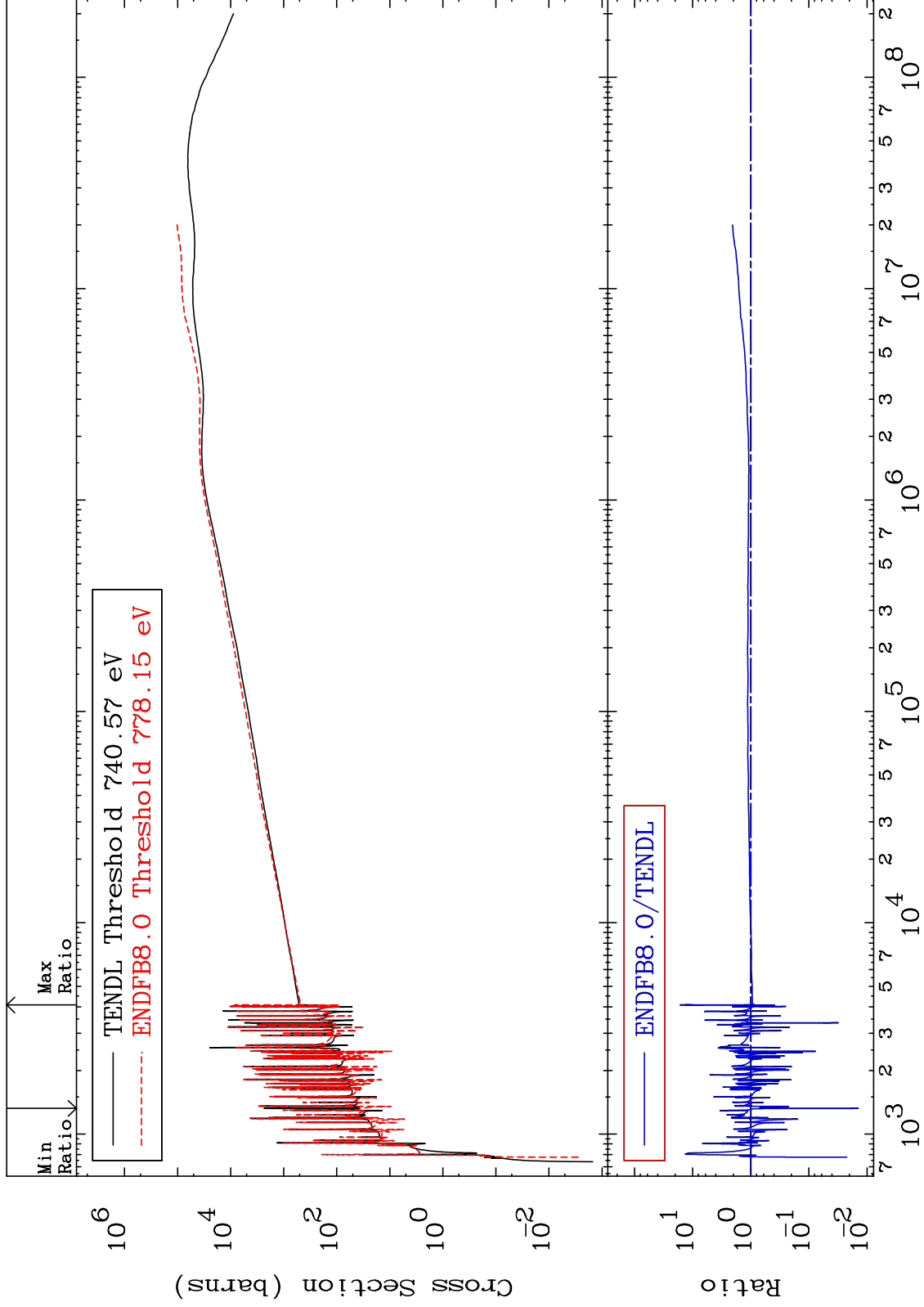
Incident Energy (eV)

54-Xe-129

MAT 5440

Dpa elastic (mt2)  
Cross Section

54-Xe-129  
-98.59 To 1552. %



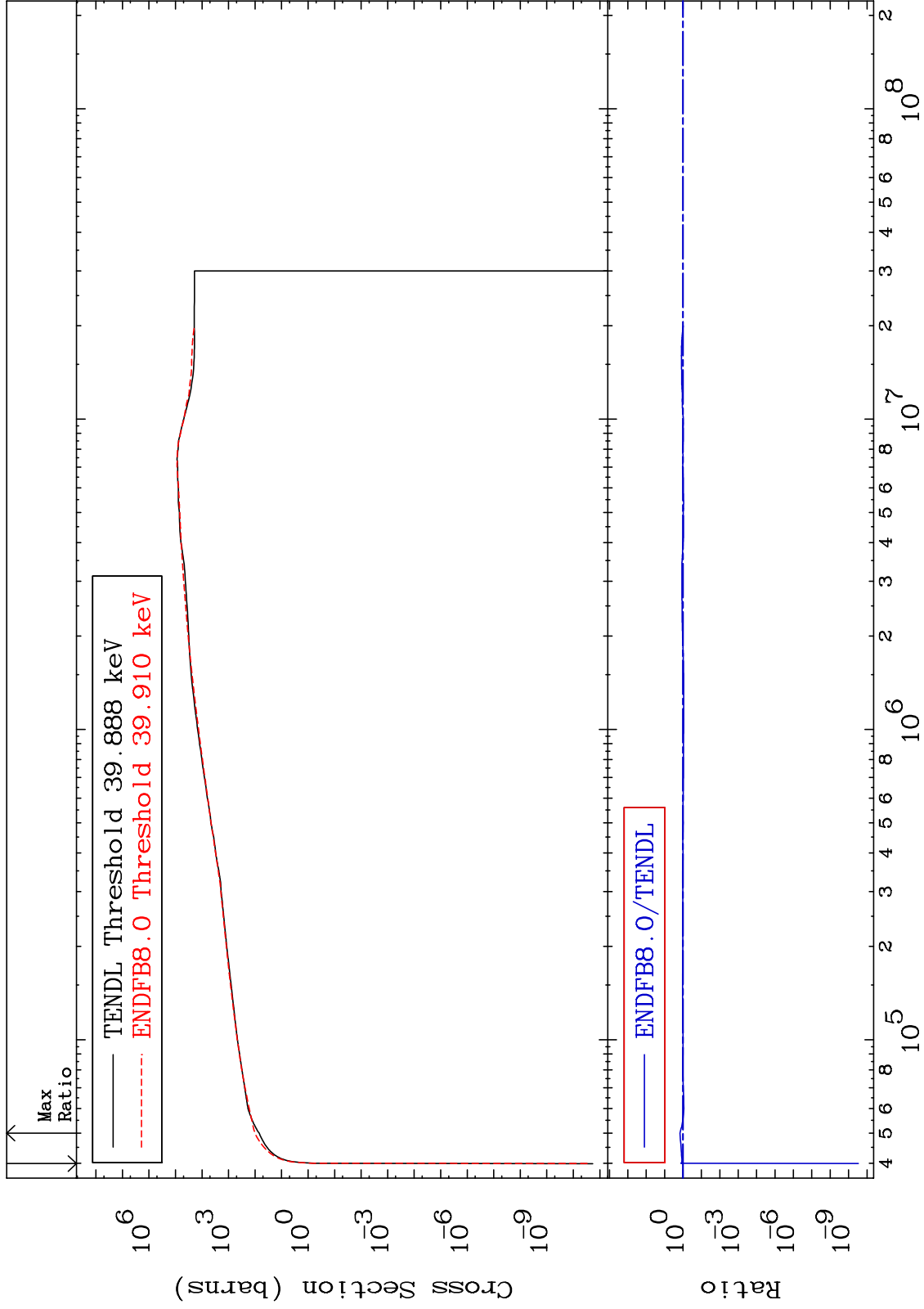
46

54-Xe-129

MAT 5440

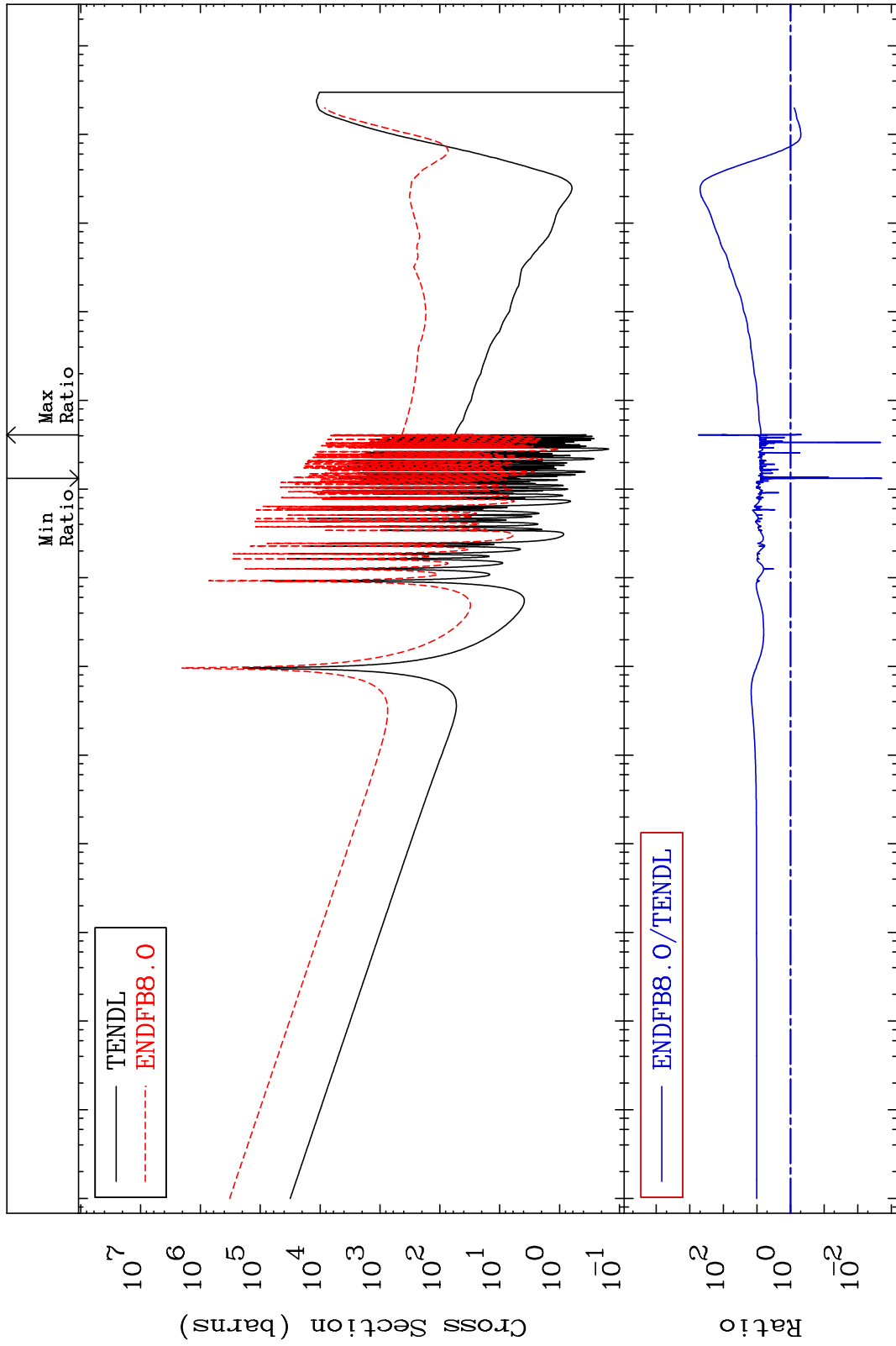
Dpa inelastic (mt51-91)  
Cross Section

54-Xe-129  
-100.0 To 45.69 %





MAT 5440      Dpa disappearance (mt102 -120)      54-Xe-129  
 Cross Section      -99.80 To 9999. %



Incident Energy (eV)      54-Xe-129