

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

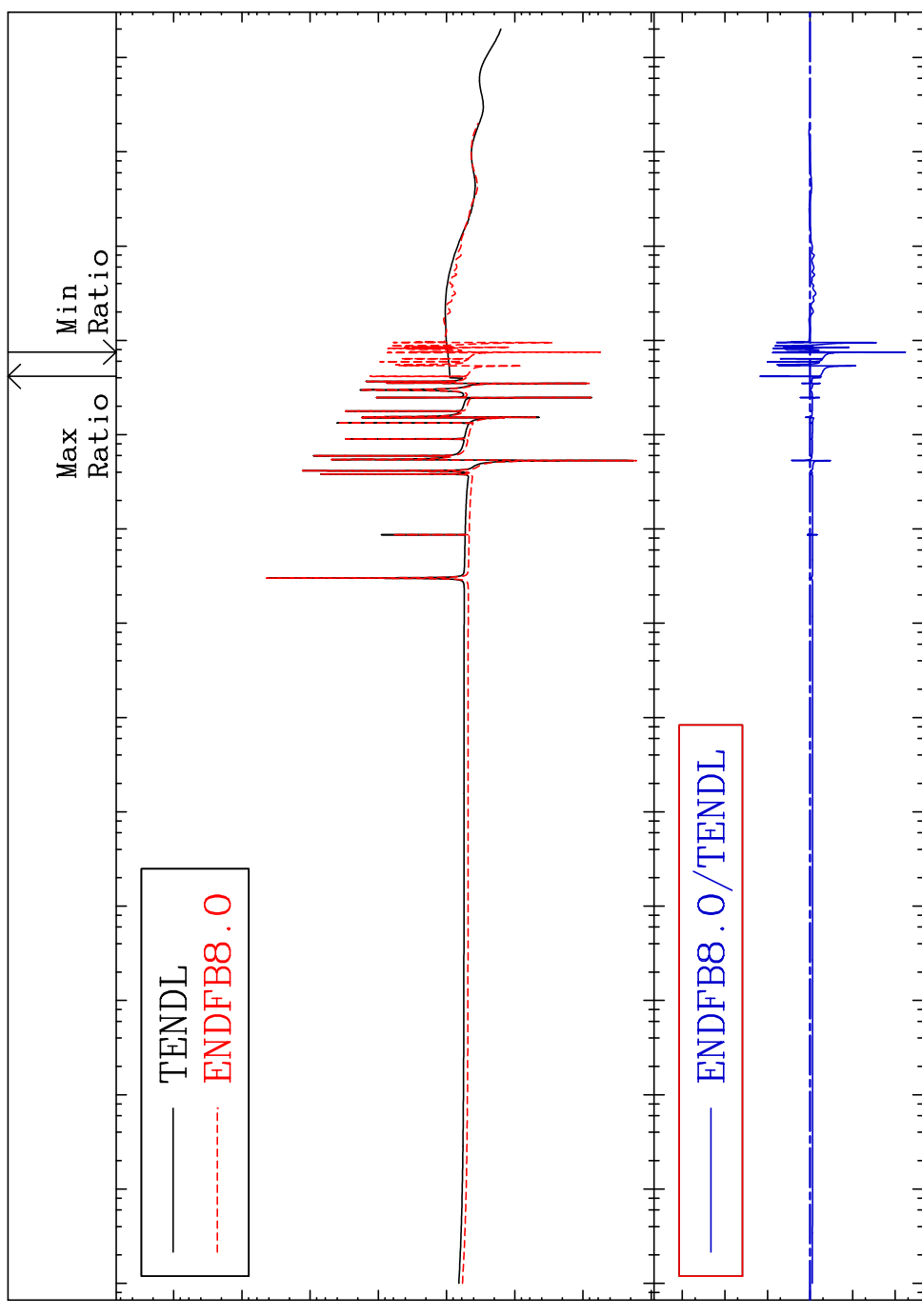
MAT 4043

Total

40-Zr-96

Cross Section

-99.42 To 1383. %



Ratio  
Cross Section (barns)

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>

1

Incident Energy (eV)

40-Zr-96

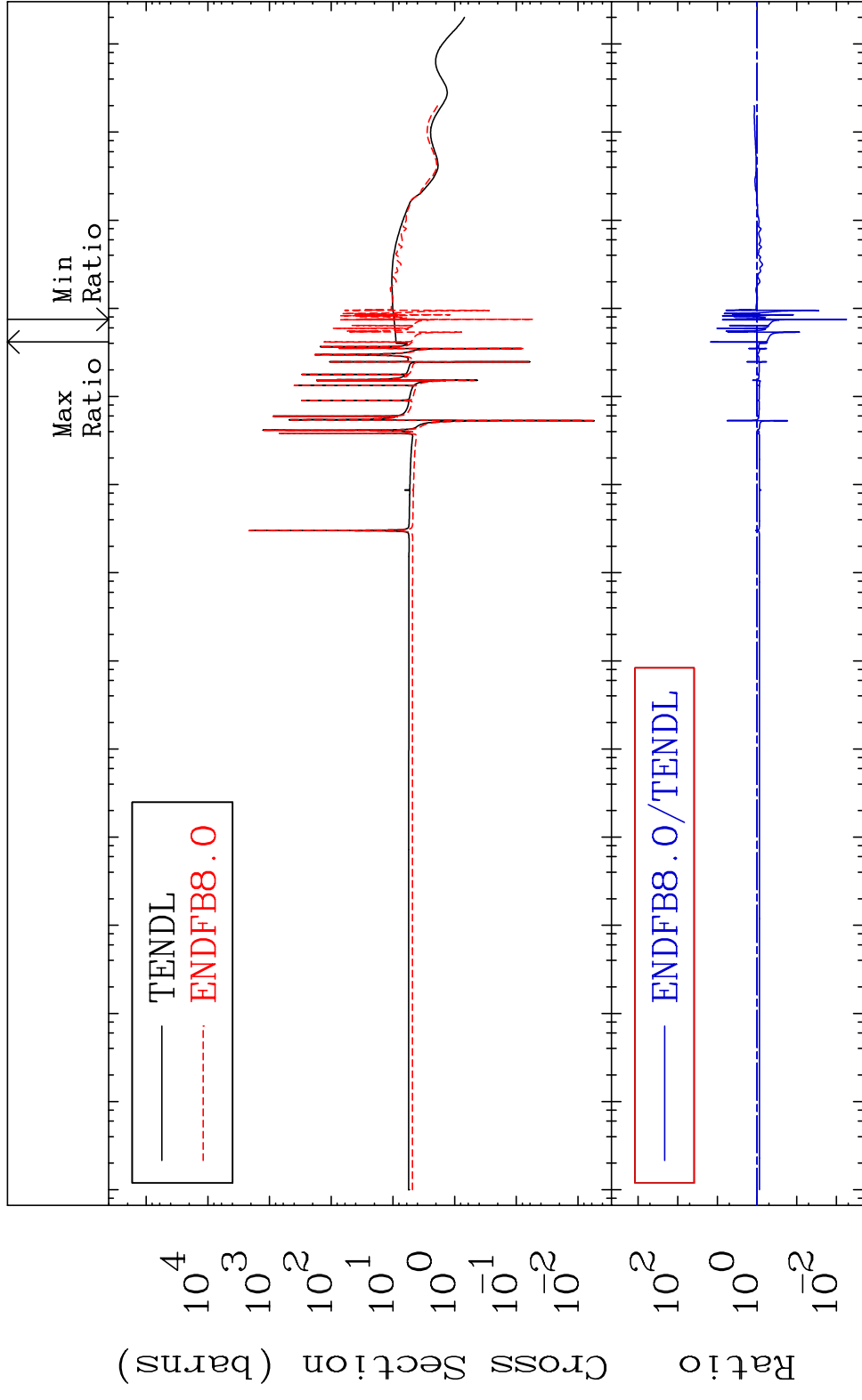
MAT 4043

Elastic

40-Zr-96

Cross Section

-99.44 To 1372. %



Ratio

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>-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>

2

Incident Energy (eV)

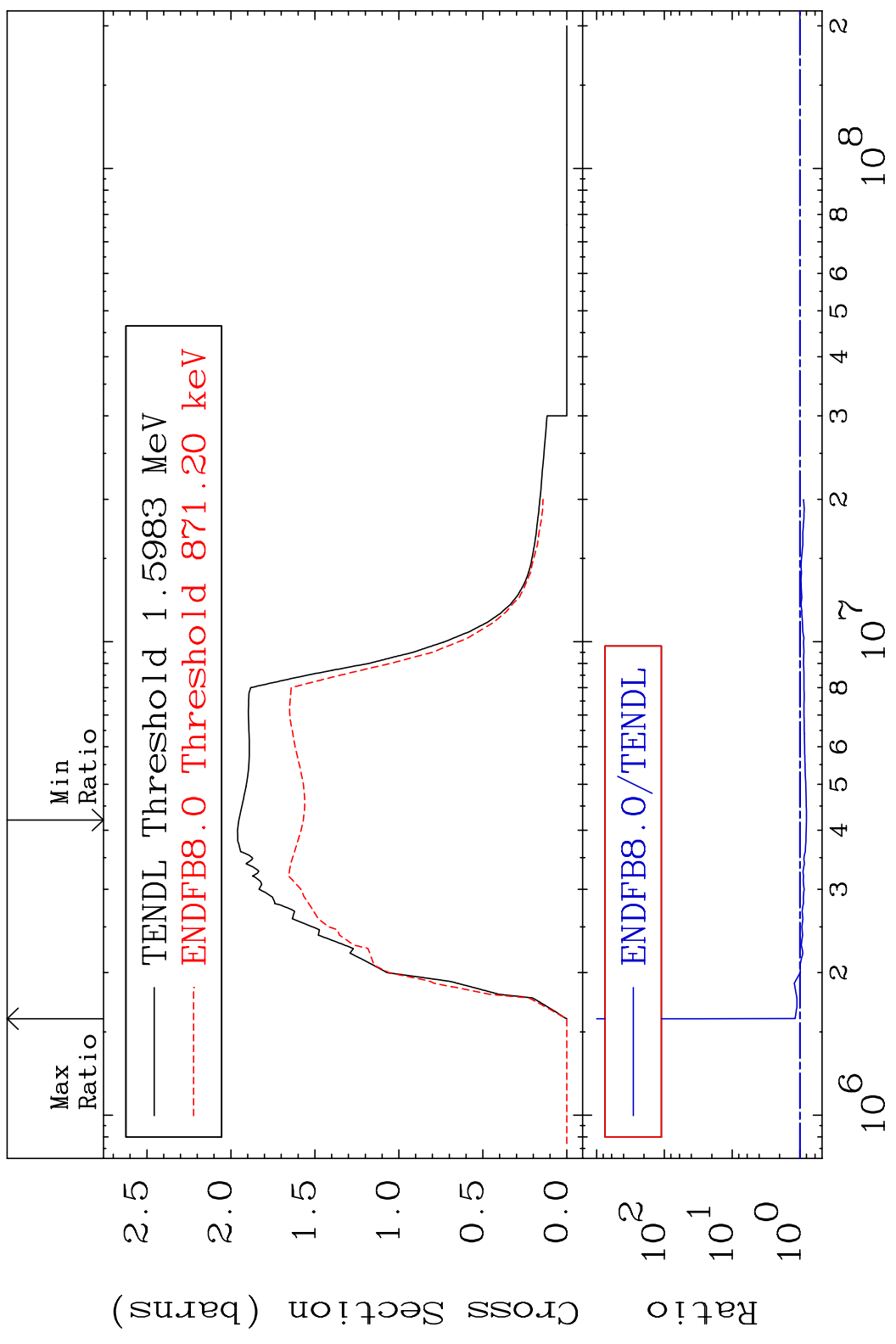
40-Zr-96

MAT 4043

Inelastic

40-Zr-96

Cross Section -19.65 To 6374. %

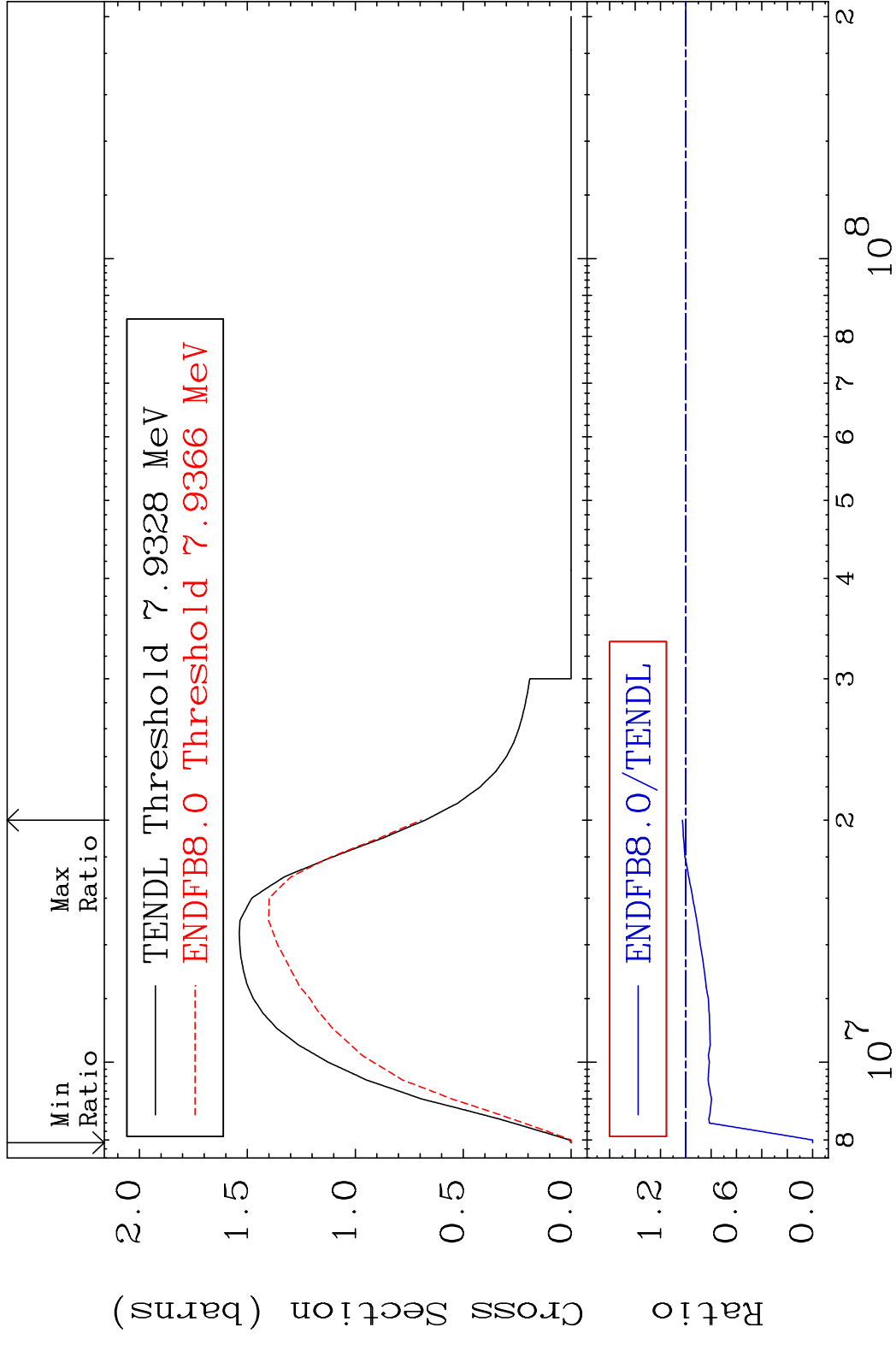


3

Incident Energy (eV)

40-Zr-96

MAT 4043 (n,2n) 40-Zr-96  
 Cross Section -100.0 To 2.702 %



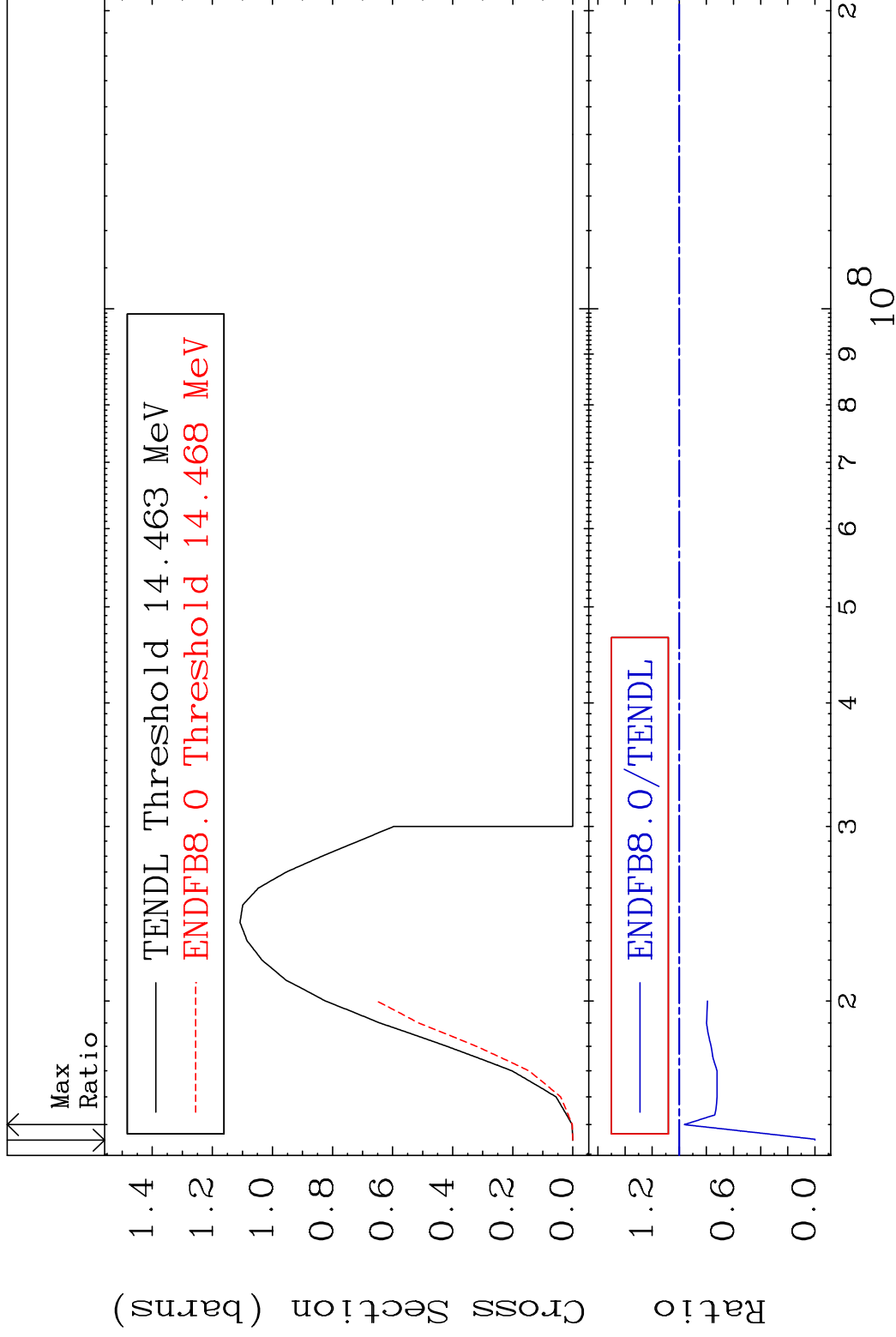
4 Incident Energy (eV) 40-Zr-96

MAT 4043

(n,3n)

40-Zr-96

Cross Section -100.0 To -3.700%



5

Incident Energy (eV)

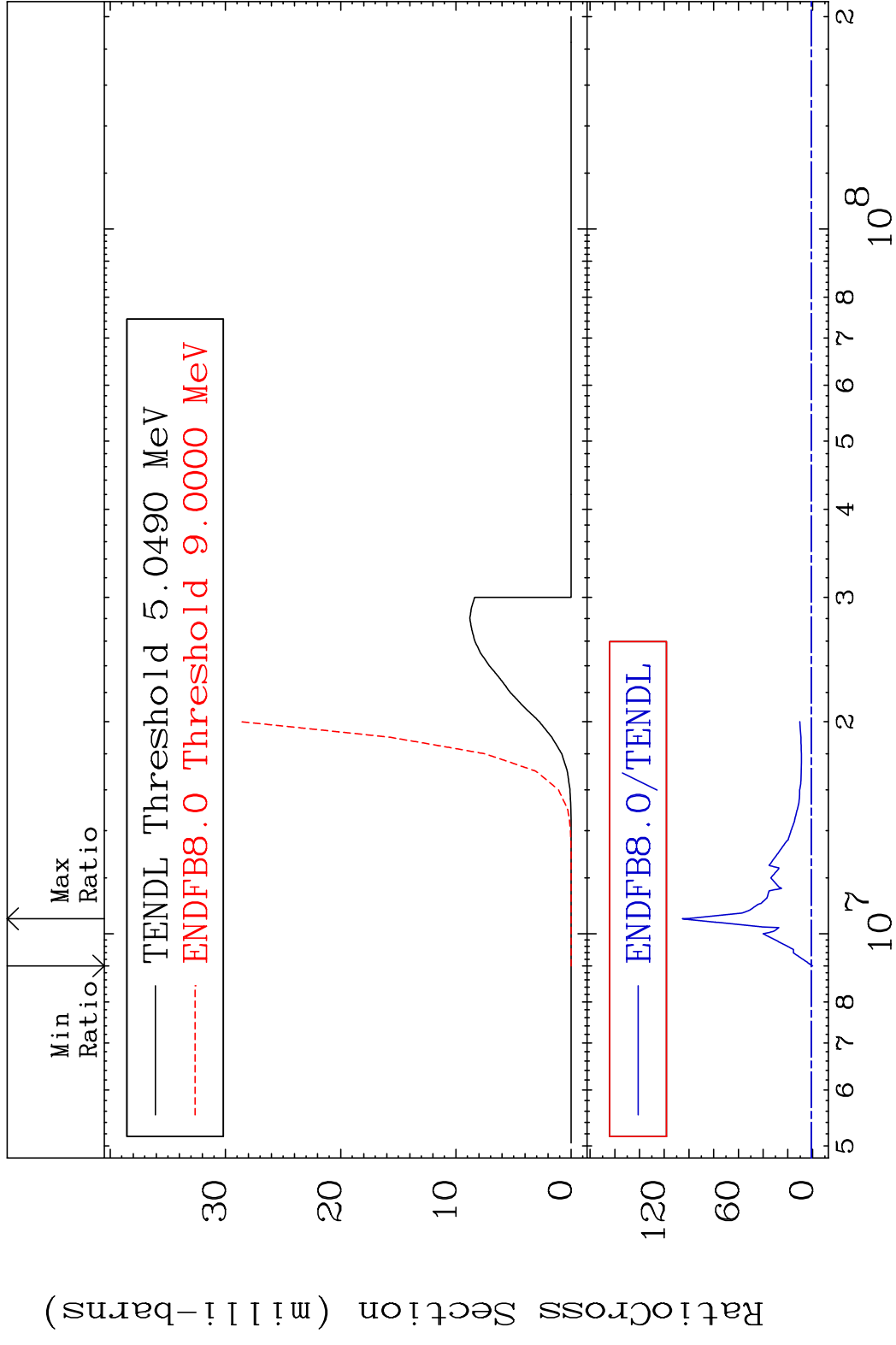
40-Zr-96

MAT 4043

(n, n')  $\alpha$

40-Zr-96

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

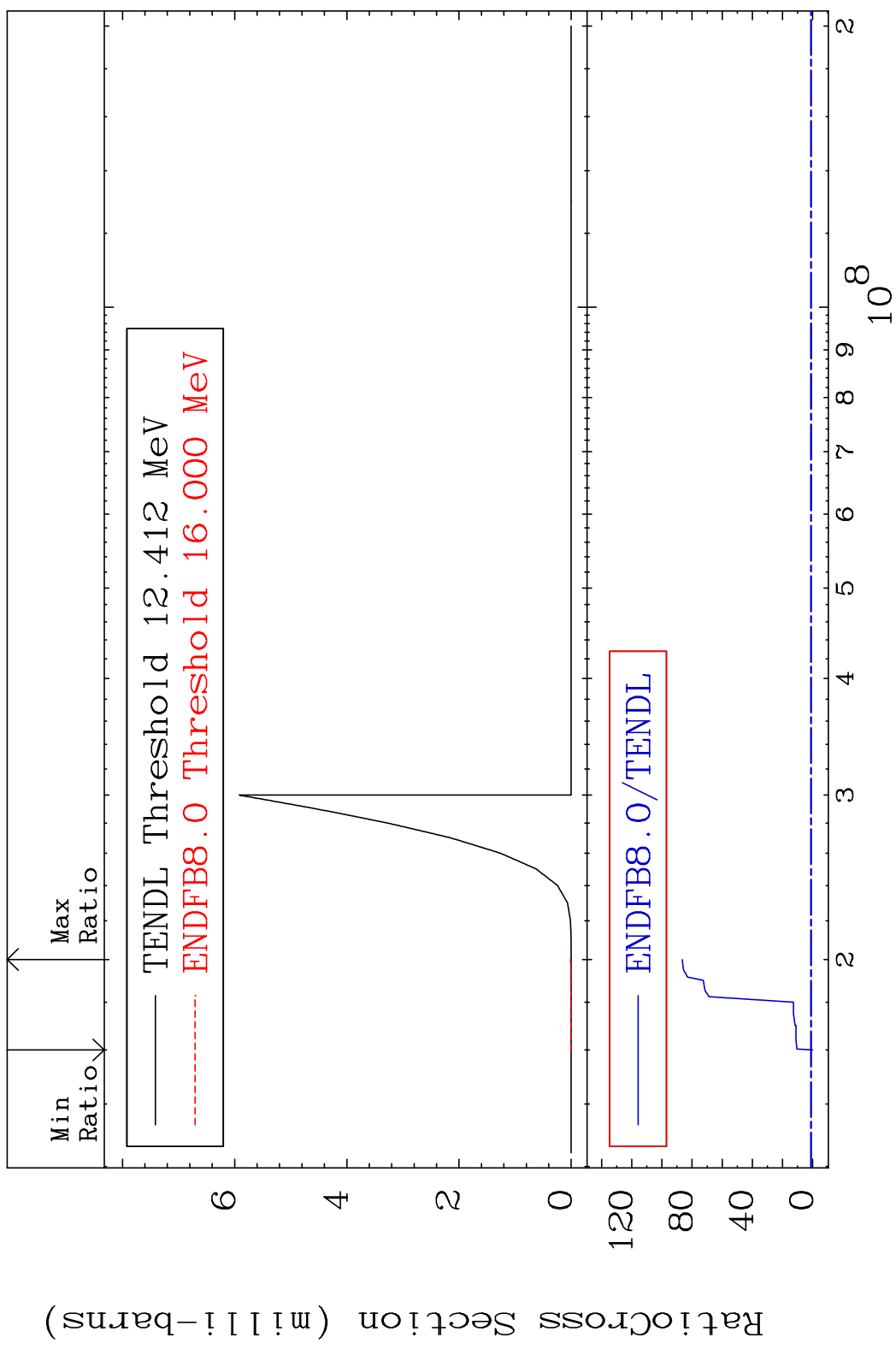
40-Zr-96

MAT 4043

(n,2n)  $\alpha$

40-Zr-96

Cross Section -100.0 To 8545. %



7

Incident Energy (eV)

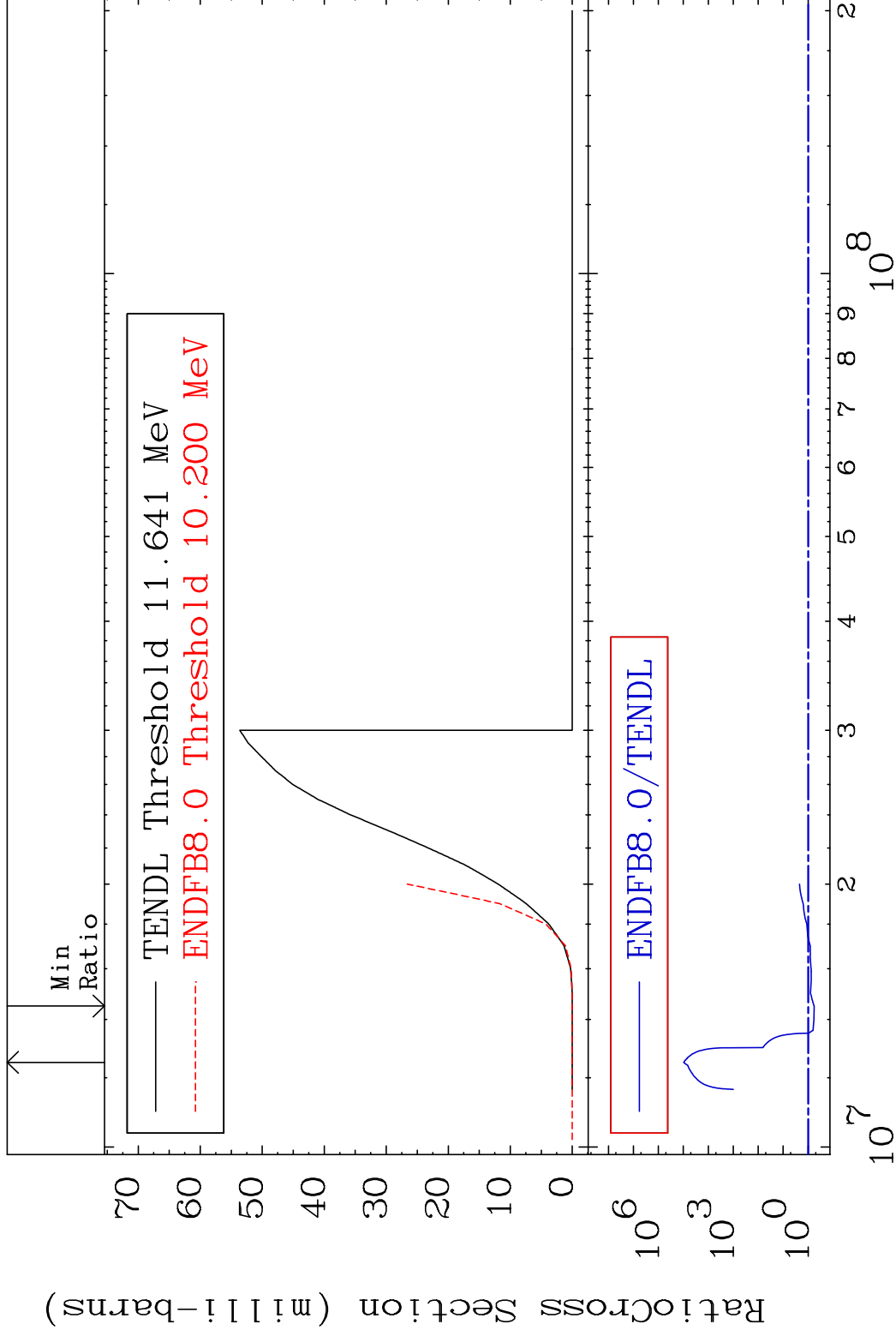
40-Zr-96

MAT 4043

(n, n') p

40-Zr-96

Cross Section -42.23 To 9999. %

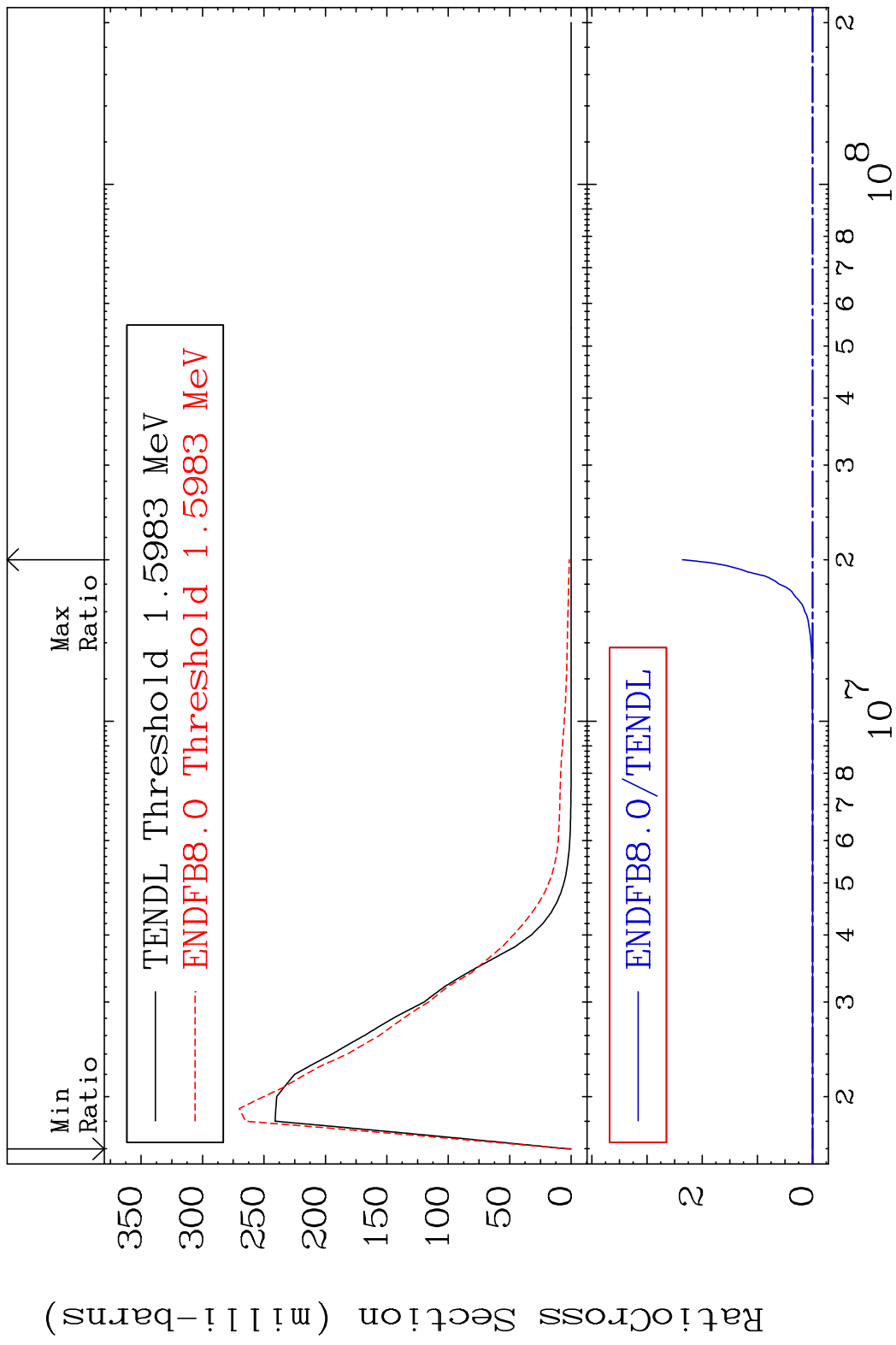


8

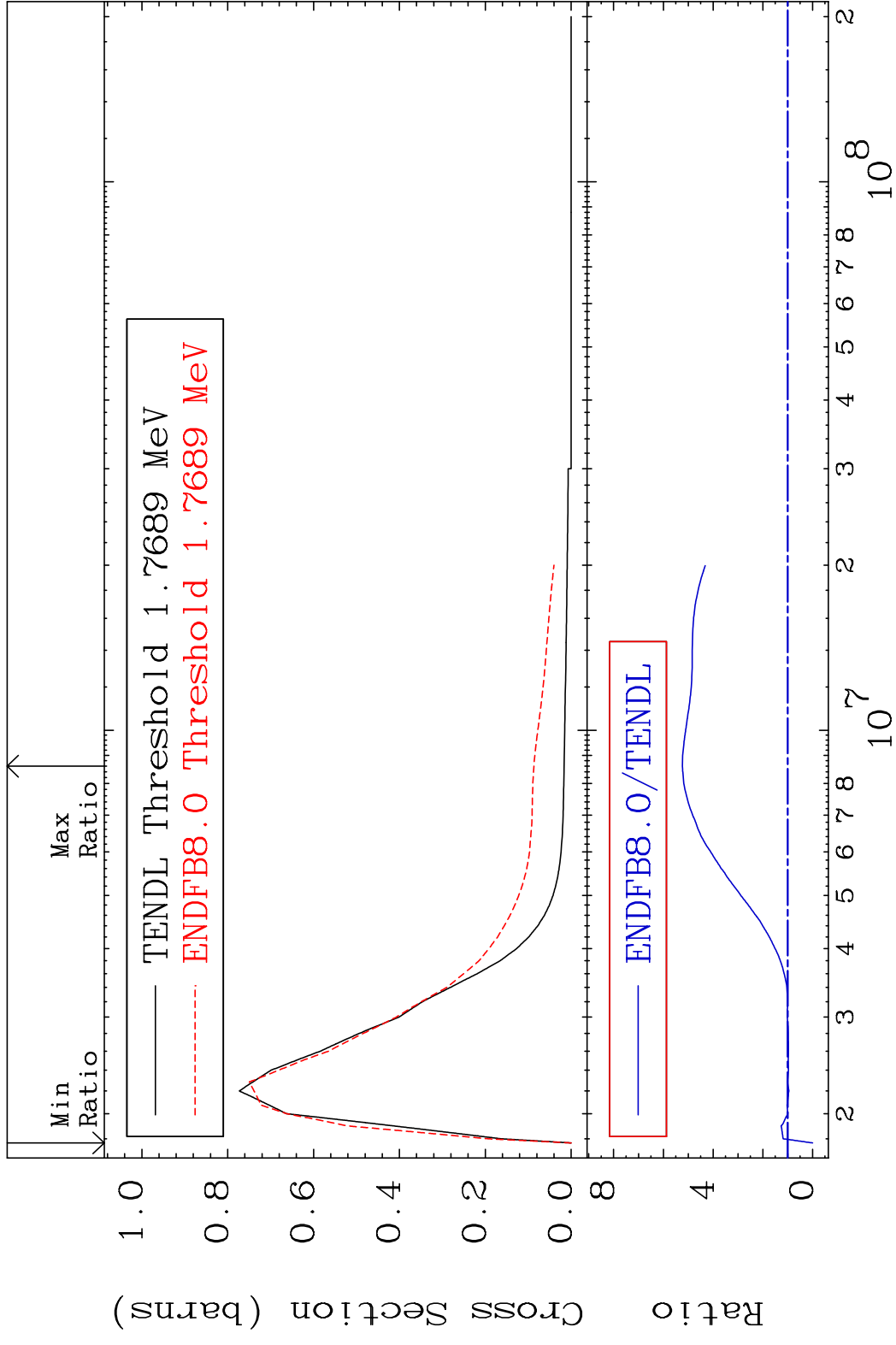
Incident Energy (eV)

40-Zr-96

MAT 4043 MT= 51 (n, n') Level 40-Zr-96  
 Cross Section -100.0 To 9999. %

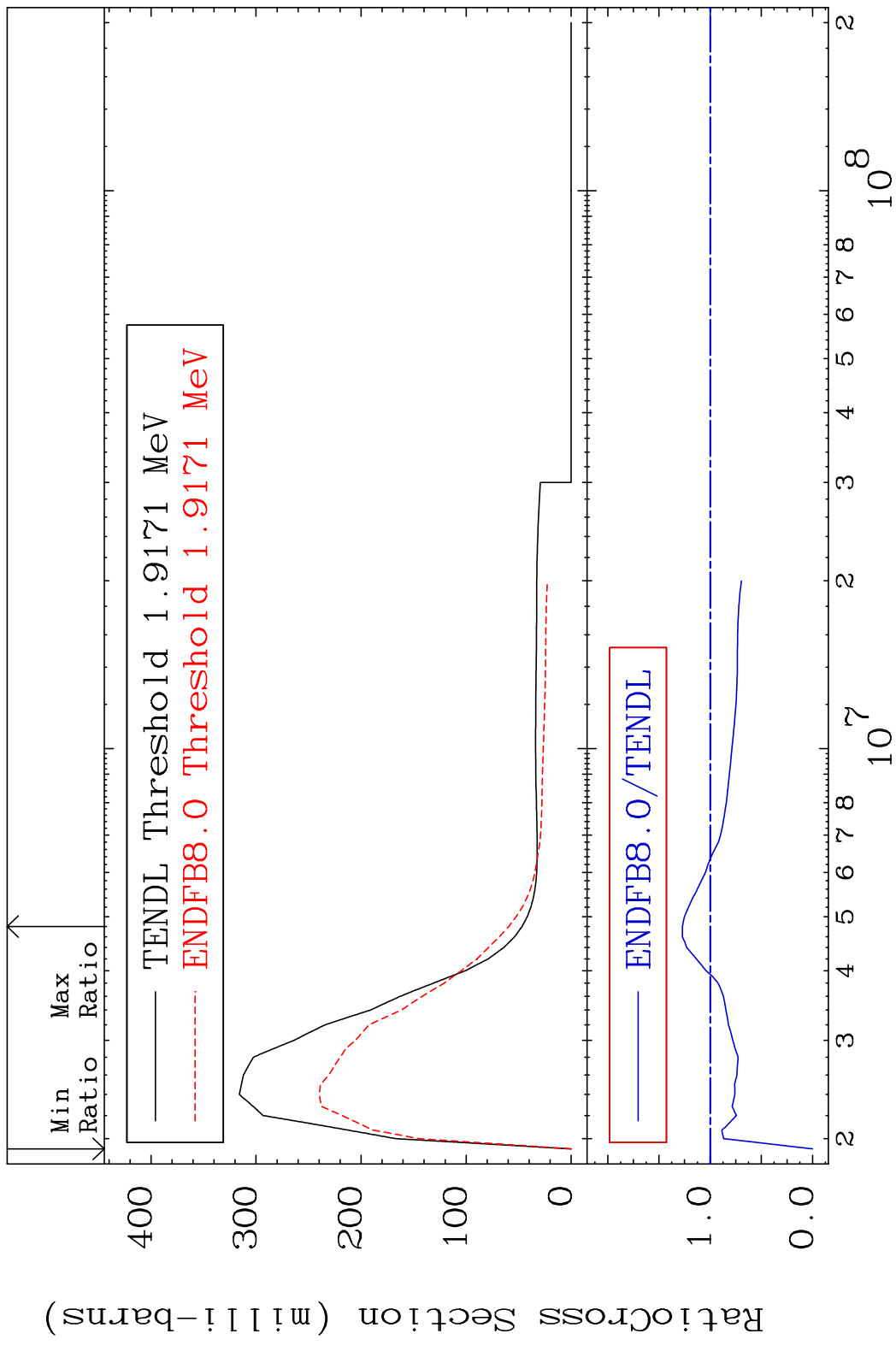


MAT 4043 MT= 52 (n, n') Level 40-Zr-96  
 Cross Section -100.0 To 423.6 %

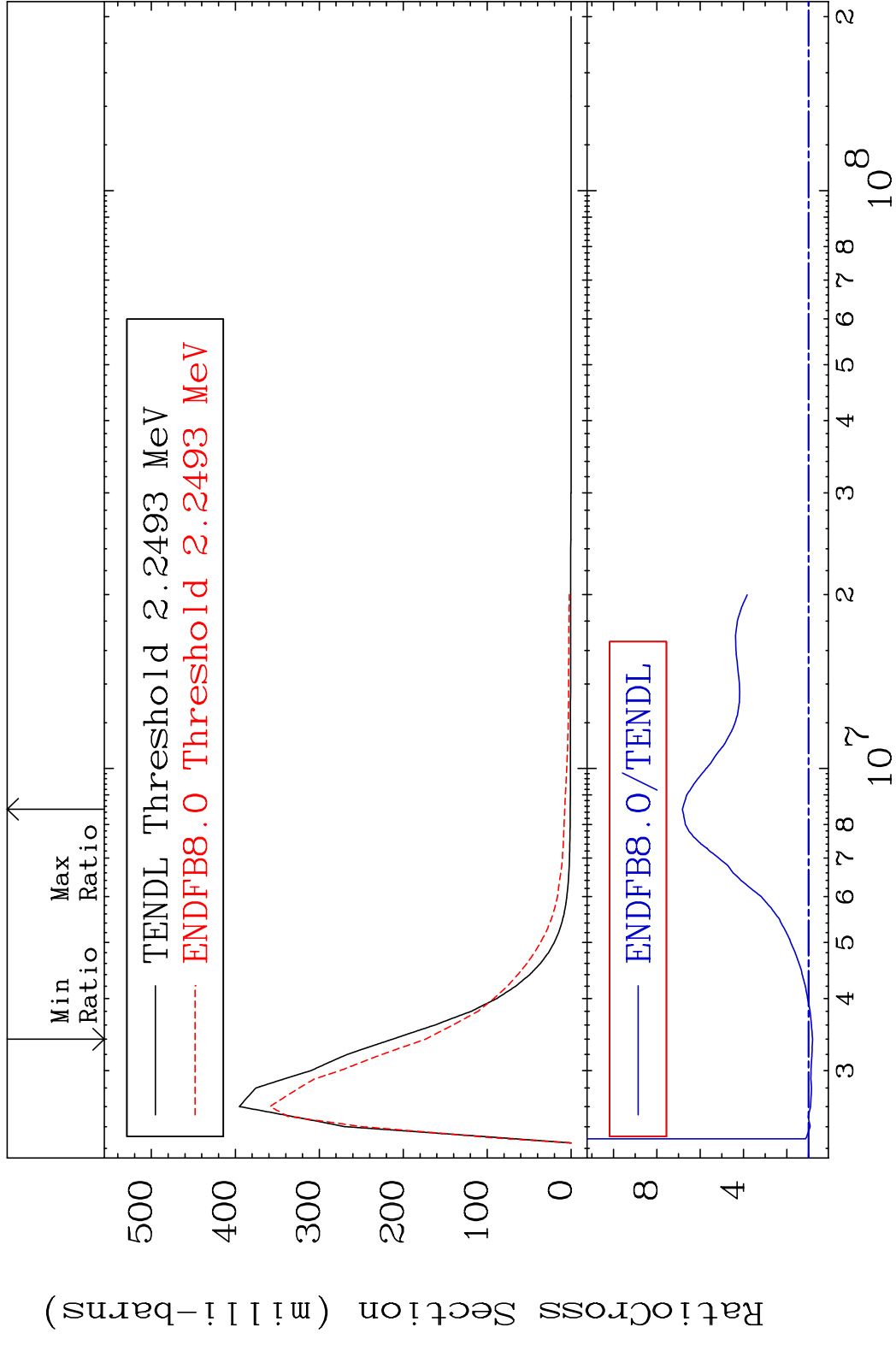


10 Incident Energy (eV) 40-Zr-96

MAT 4043 MT= 53 (n, n') Level 40-Zr-96  
 Cross Section -100.0 To 27.13 %

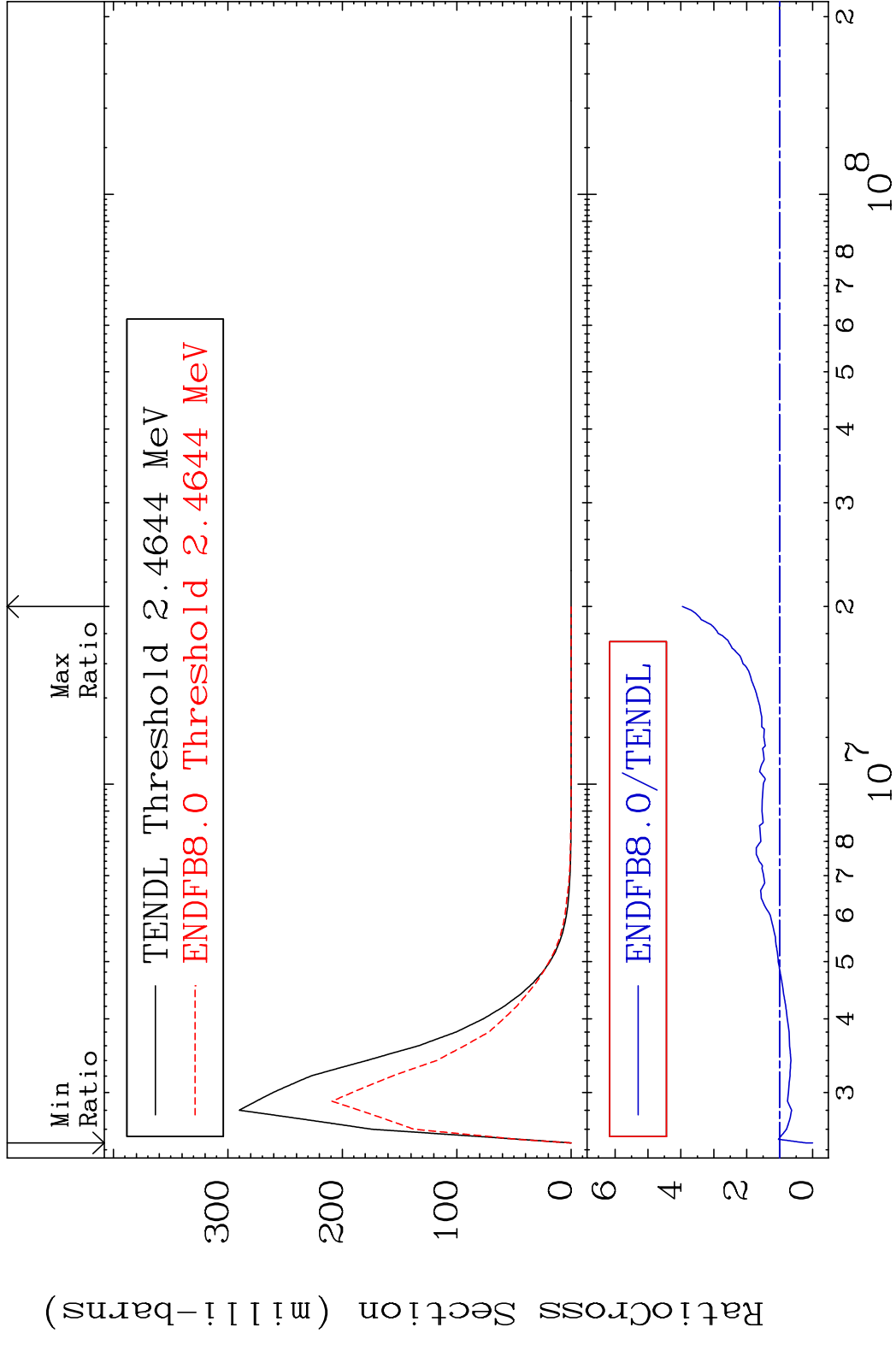


MAT 4043 MT= 54 (n,n') Level 40-Zr-96  
 Cross Section -18.49 To 582.2 %



12 Incident Energy (eV) 40-Zr-96

MAT 4043 MT= 55 (n, n') Level 40-Zr-96  
 Cross Section -100.0 To 295.5 %

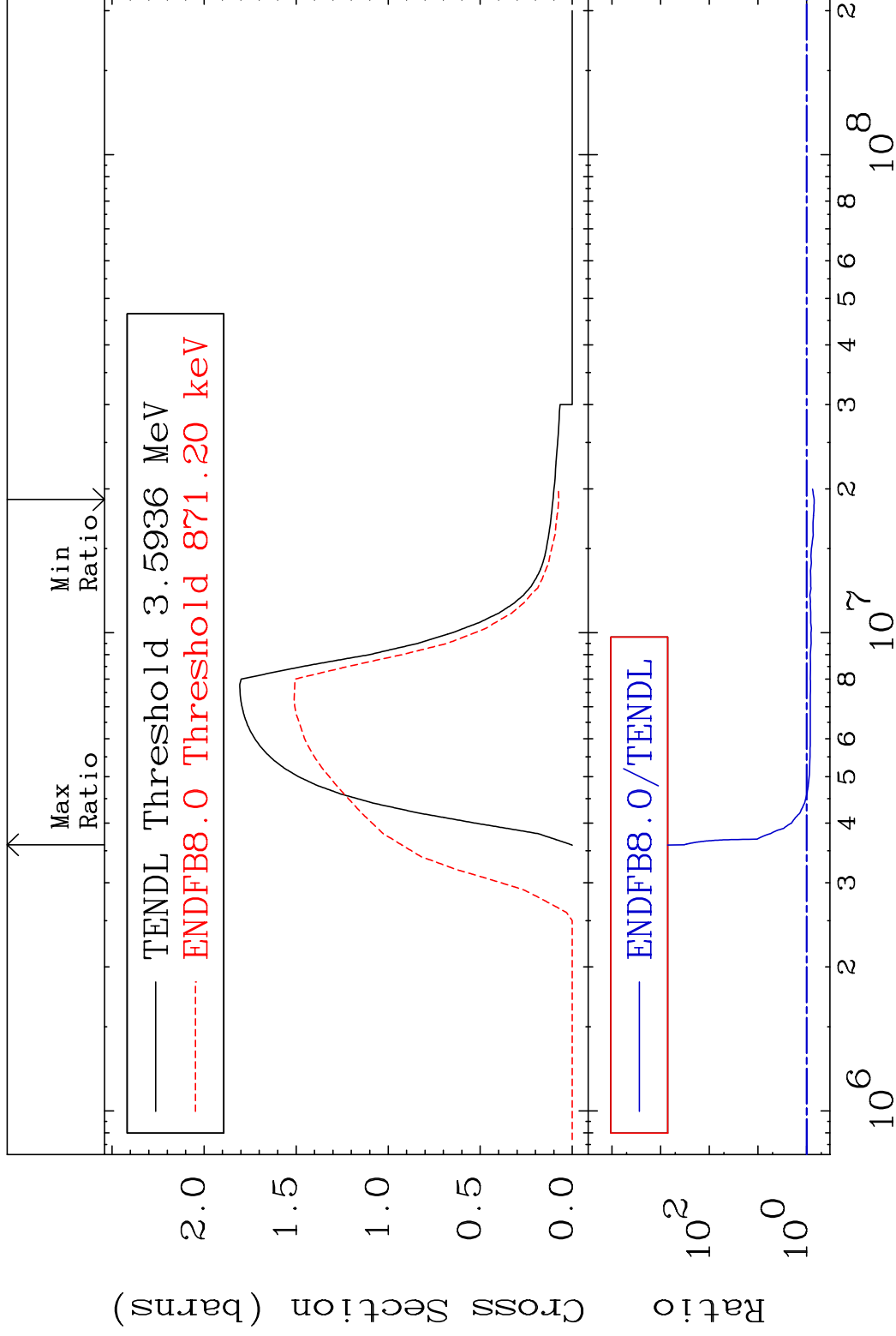


MAT 4043

(n, n') Continuum

40-Zr-96

Cross Section -29.79 To 9999. %



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Incident Energy (eV)

40-Zr-96

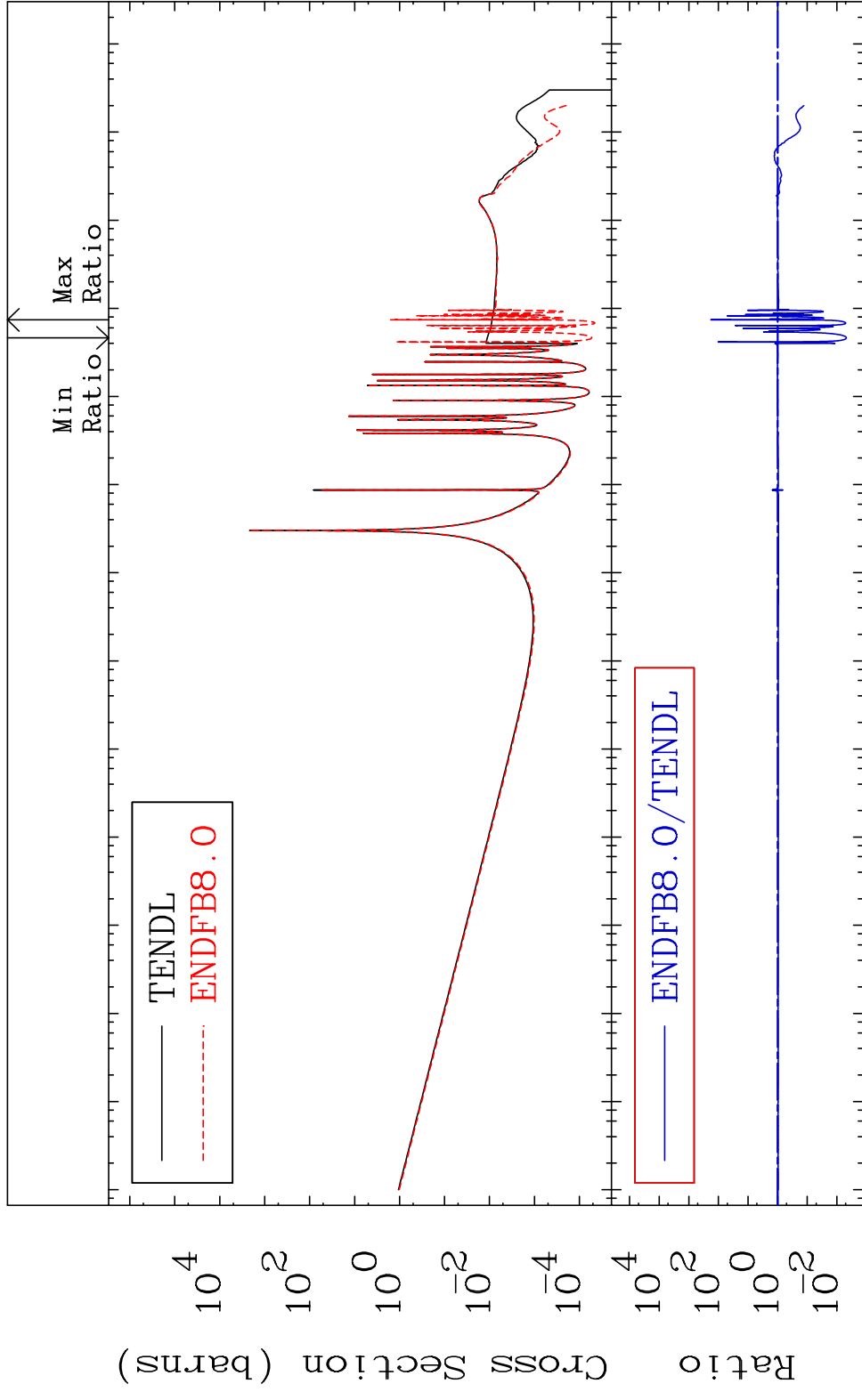
MAT 4043

(n,  $\gamma$ )

40-Zr-96

Cross Section

-99.52 To 9999. %

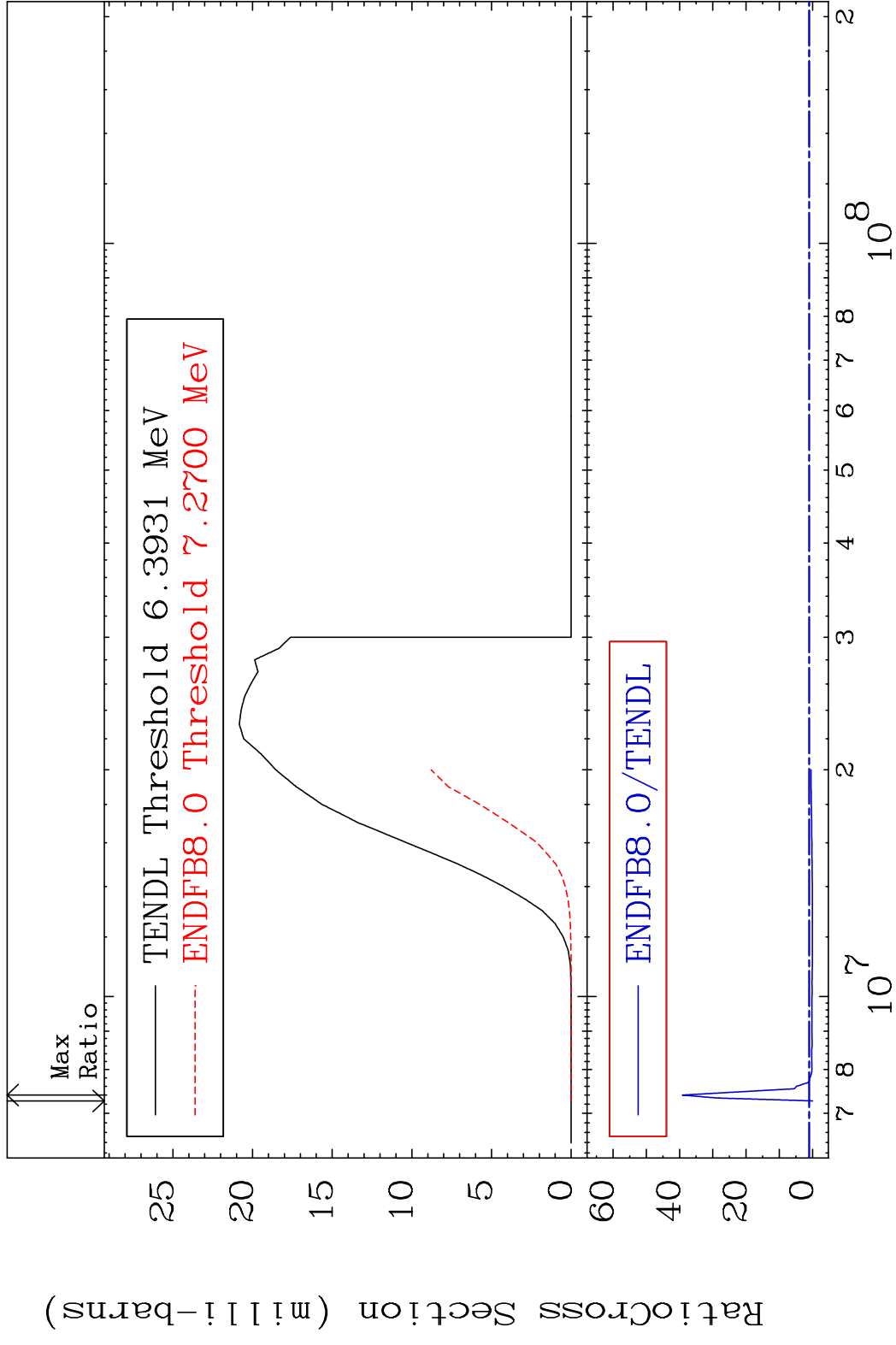


15

Incident Energy (eV)

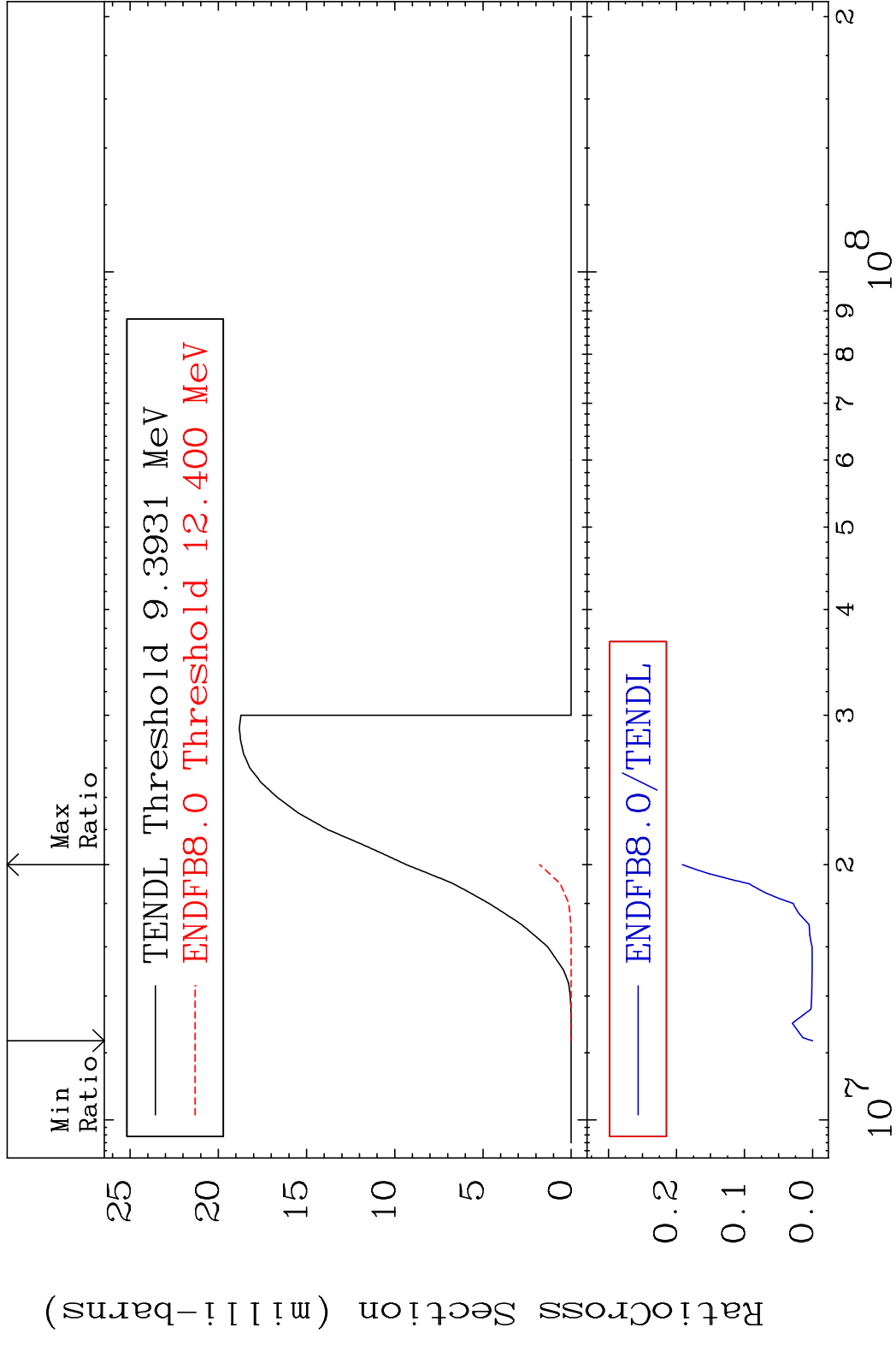
40-Zr-96

MAT 4043 (n,p) 40-Zr-96  
 Cross Section -100.0 To 3815. %



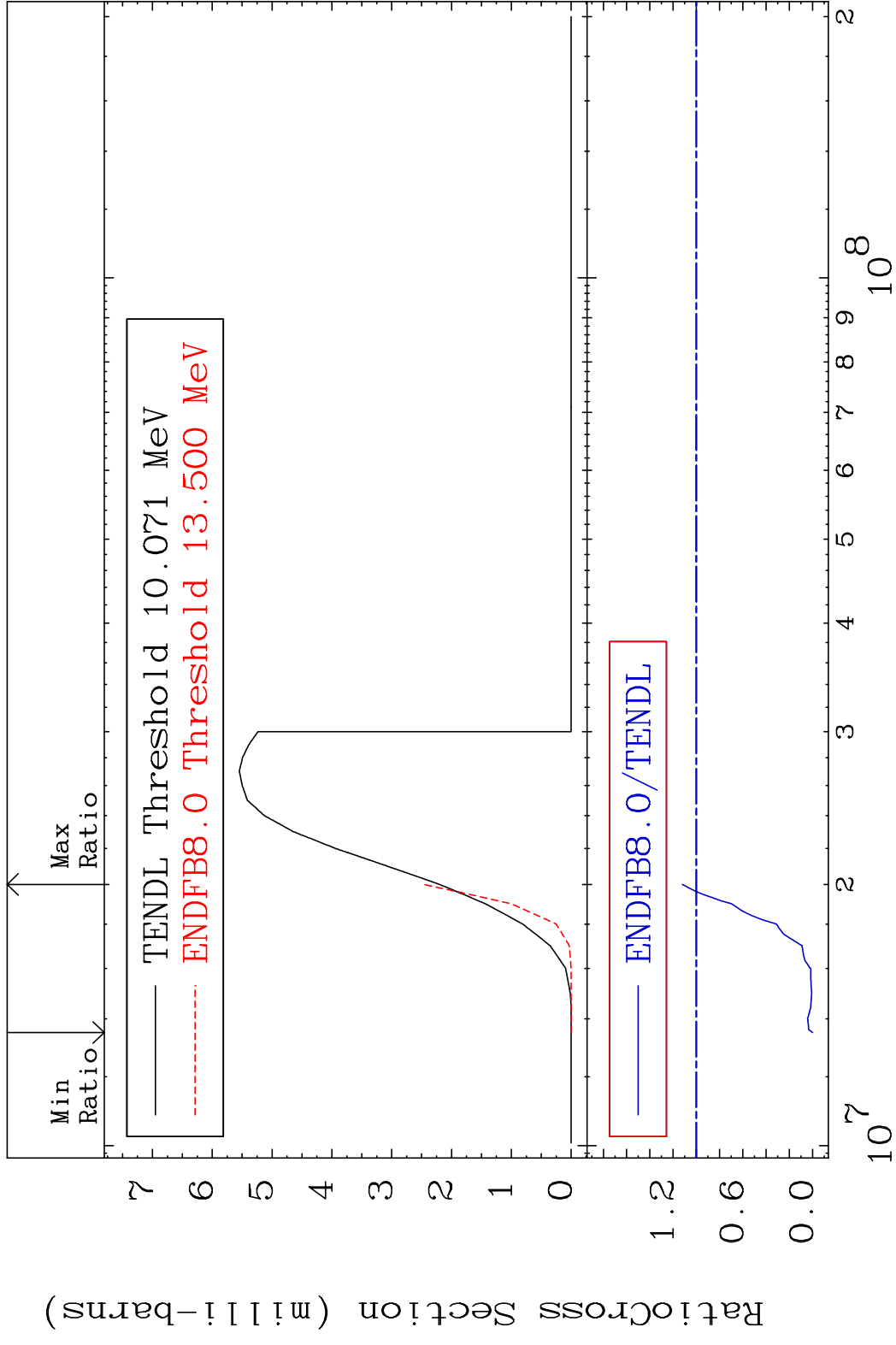
16 16 Incident Energy (eV) 40-Zr-96

MAT 4043 (n,d) 40-Zr-96  
 Cross Section -100.0 To -80.86%



17 16 40-Zr-96

MAT 4043 (n, t) 40-Zr-96  
 Cross Section -100.0 To 12.04 %



18

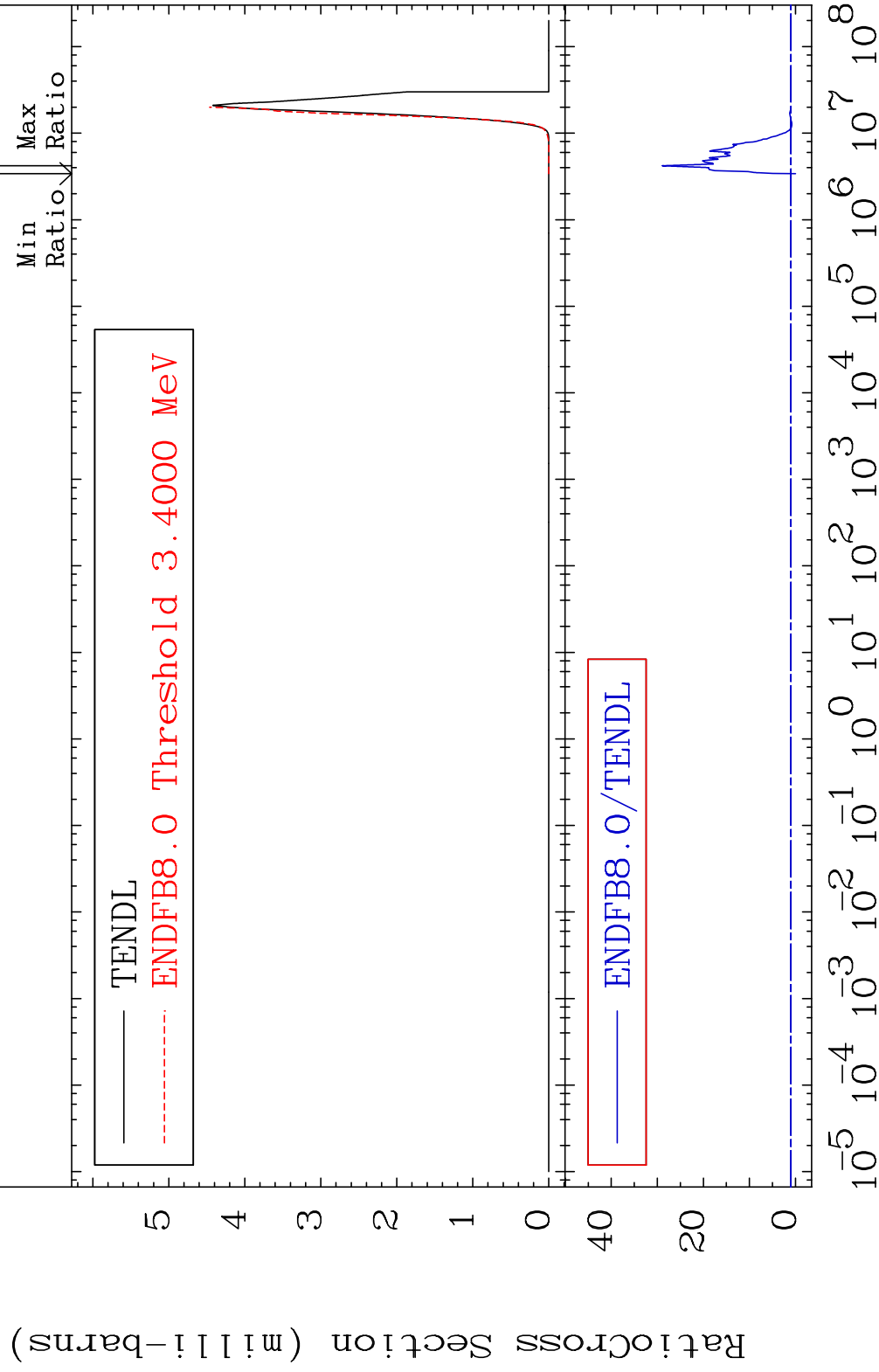
Incident Energy (eV) 40-Zr-96

MAT 4043

(n,  $\alpha$ )

40-Zr-96

Cross Section -100.0 To 2789. %

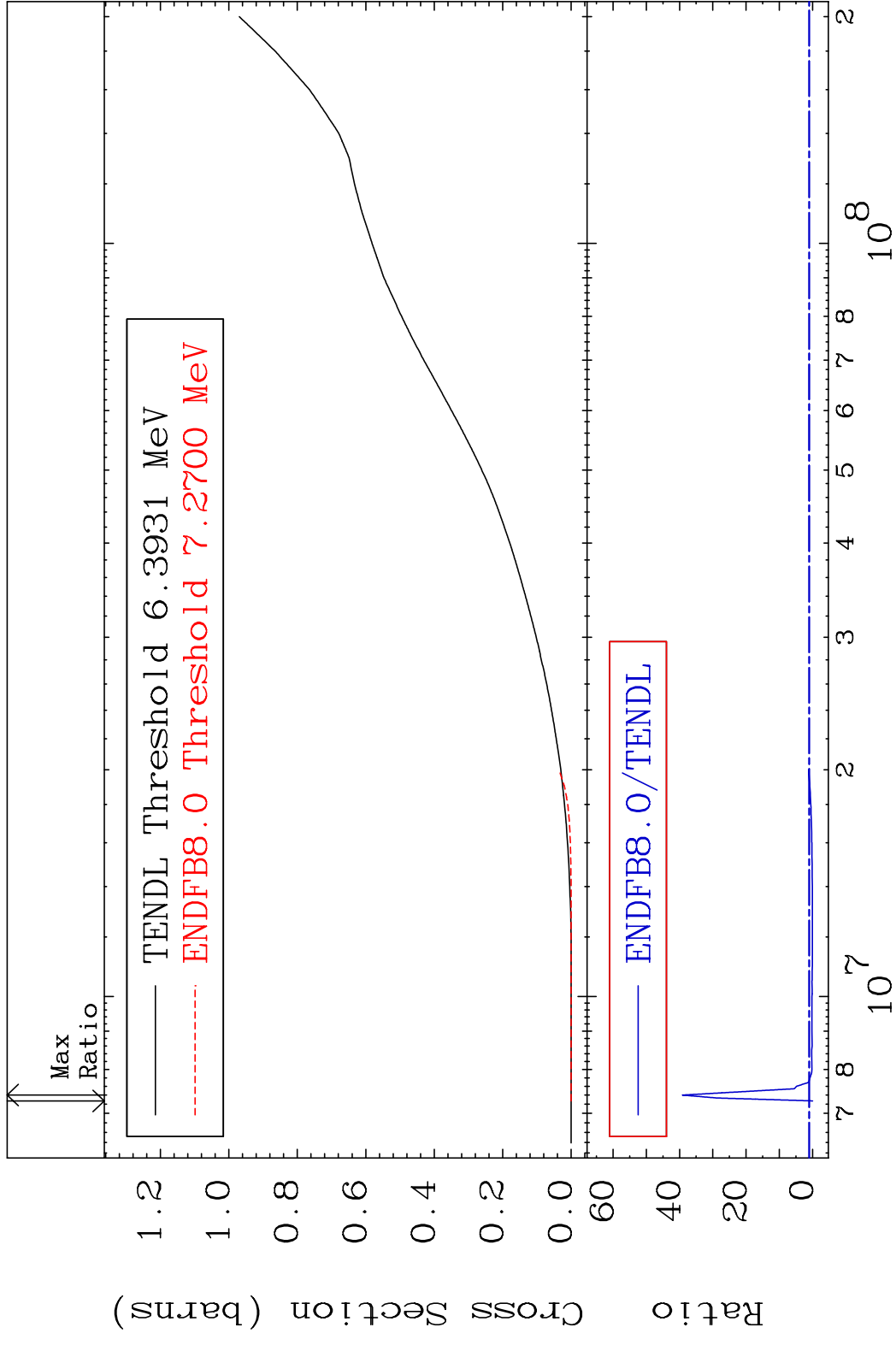


19

Incident Energy (eV)

40-Zr-96

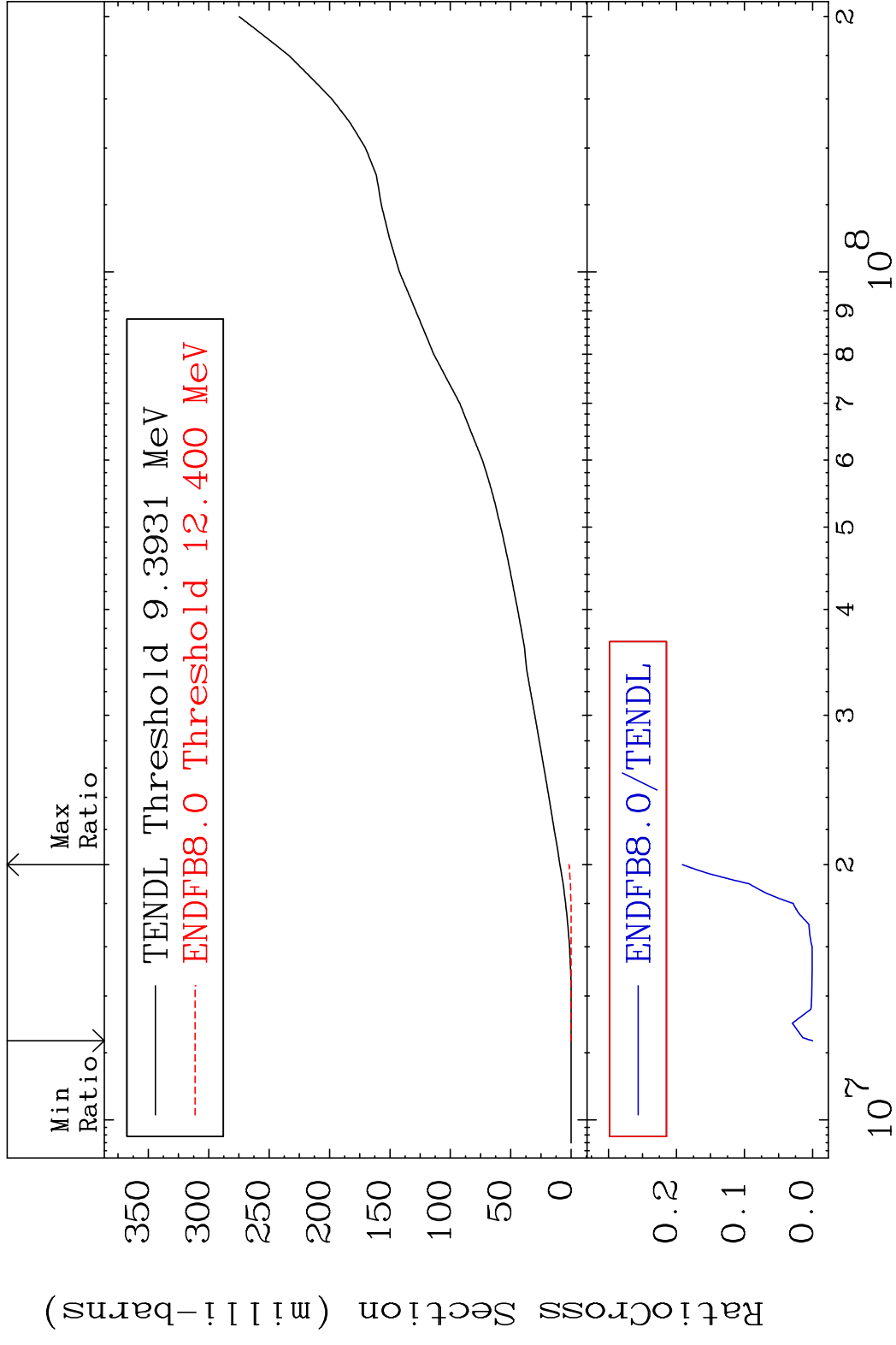
MAT 4043 Hydrogen Production 40-Zr-96  
 Cross Section -100.0 To 3815. %



20 Incident Energy (eV) 40-Zr-96

MAT 4043

Deuterium Production 40-Zr-96  
Cross Section -100.0 To -80.87%



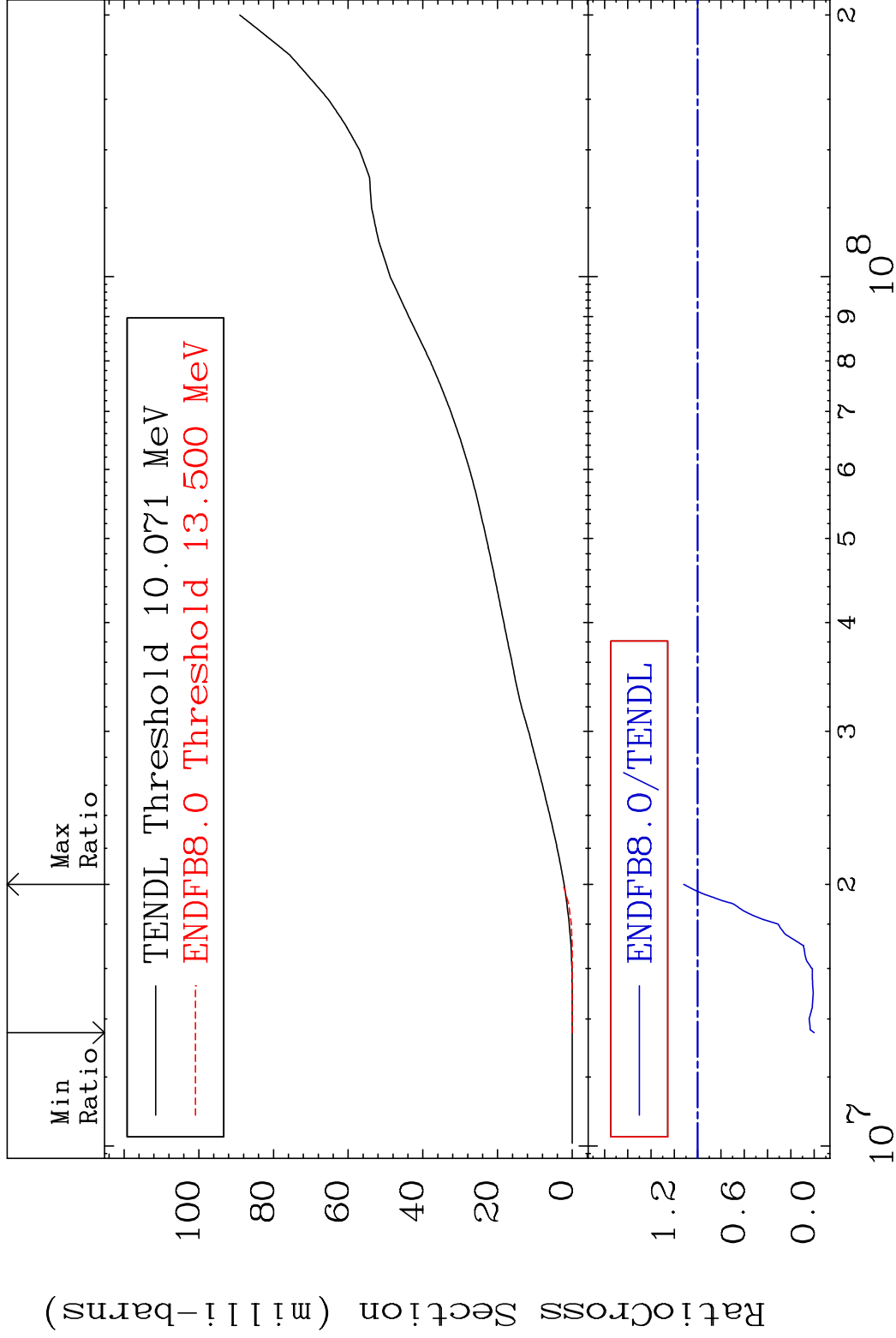
21

Incident Energy (eV)

40-Zr-96

MAT 4043

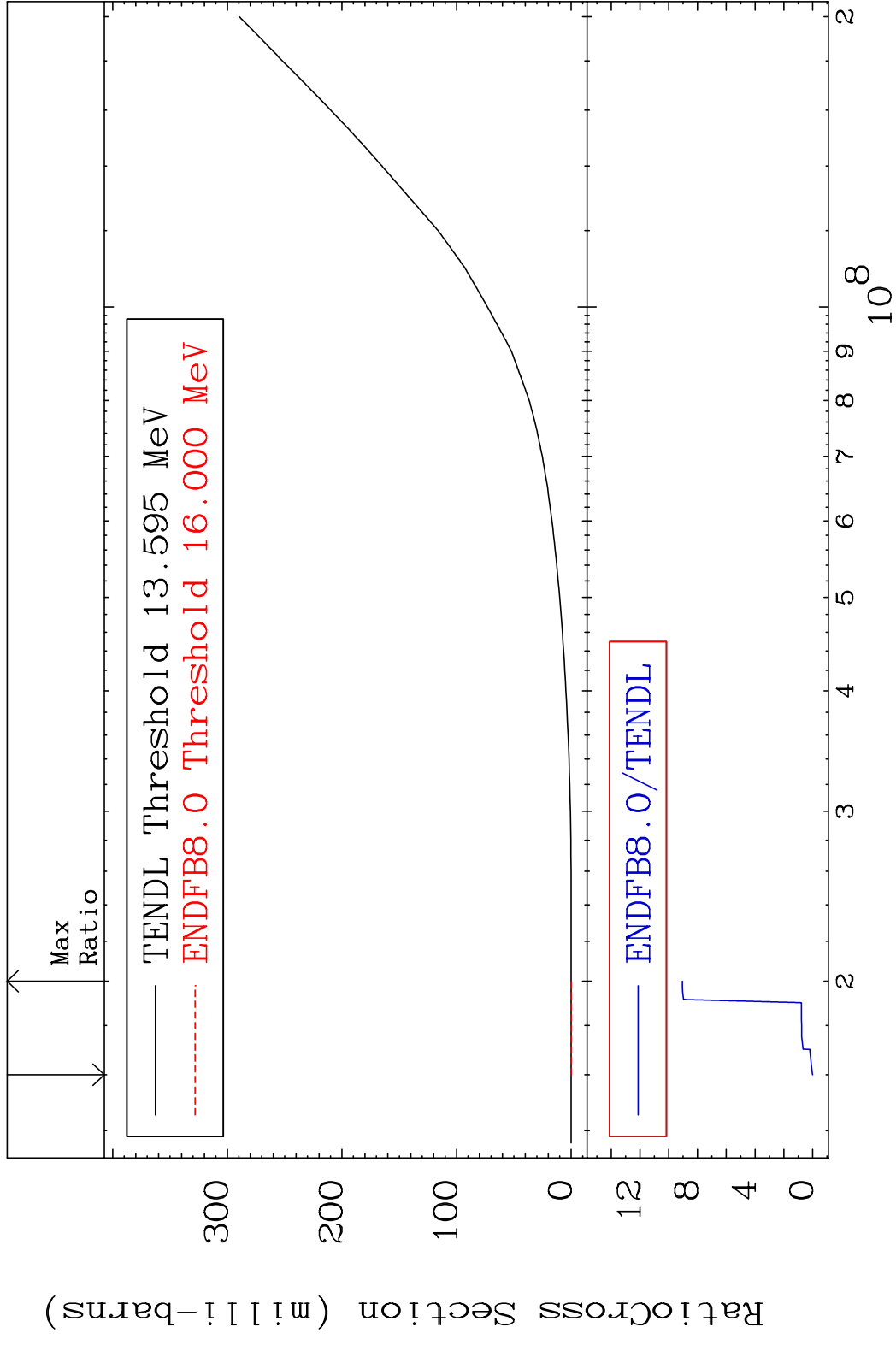
Tritium Production 40-Zr-96  
Cross Section -100.0 To 12.04 %



22

Incident Energy (eV) 40-Zr-96

MAT 4043 He-3 Production 40-Zr-96  
 Cross Section -100.0 To -100.0%

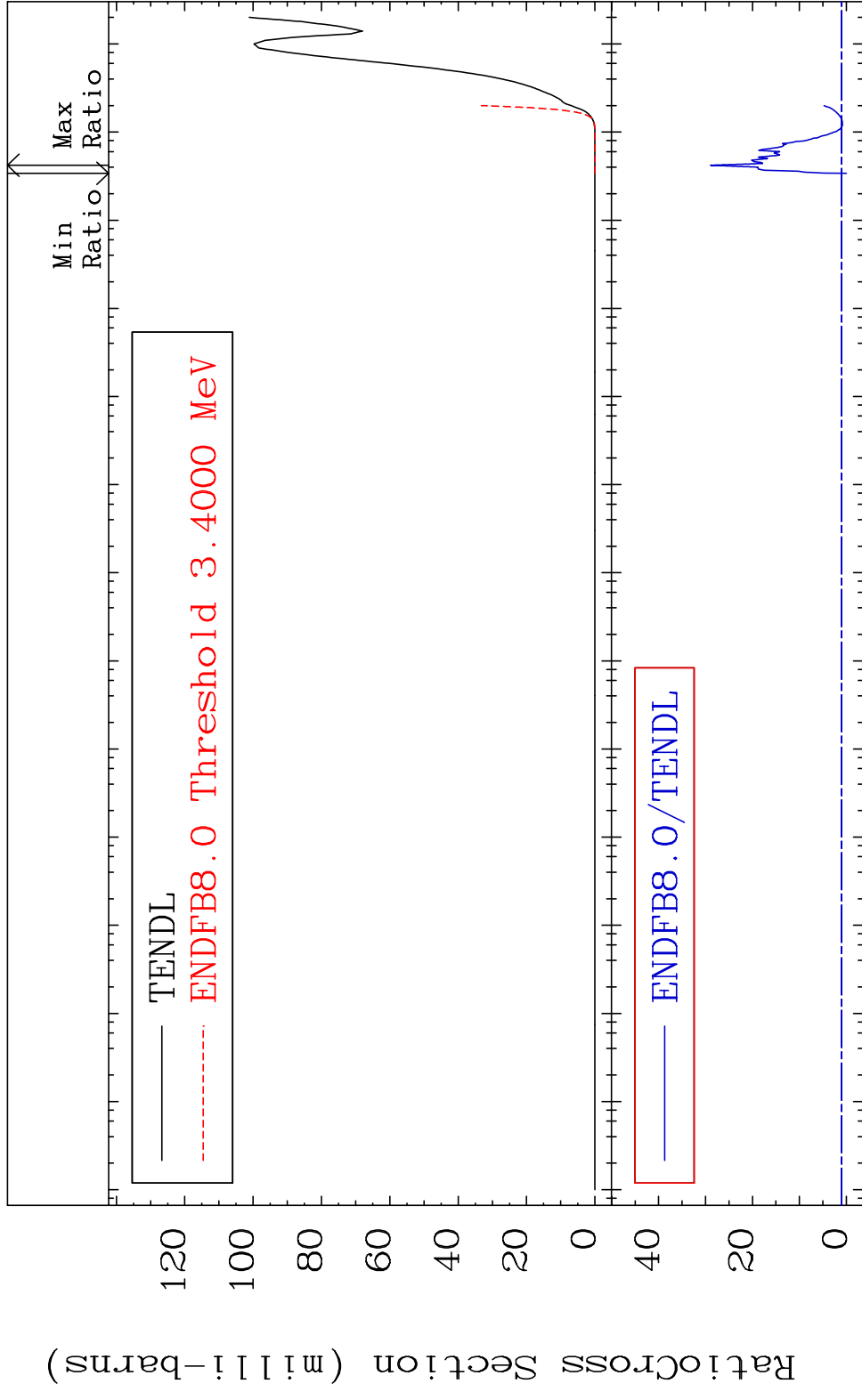


MAT 4043

He-4 Production

40-Zr-96

Cross Section -100.0 To 2789. %

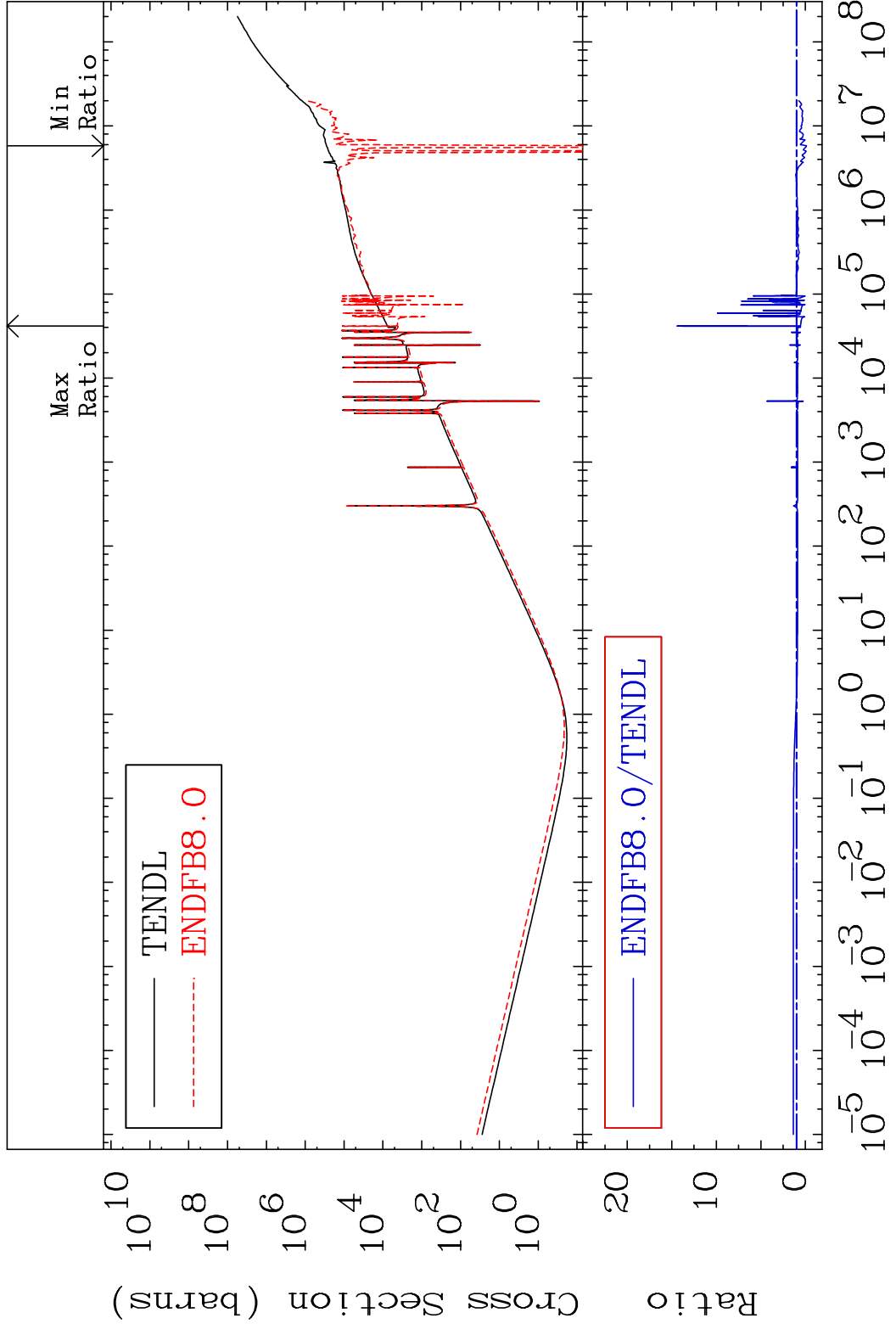


24

Incident Energy (eV)

40-Zr-96

MAT 4043 Kerma total (eV-barns) 40-Zr-96  
 Cross Section -111.0 To 1340. %

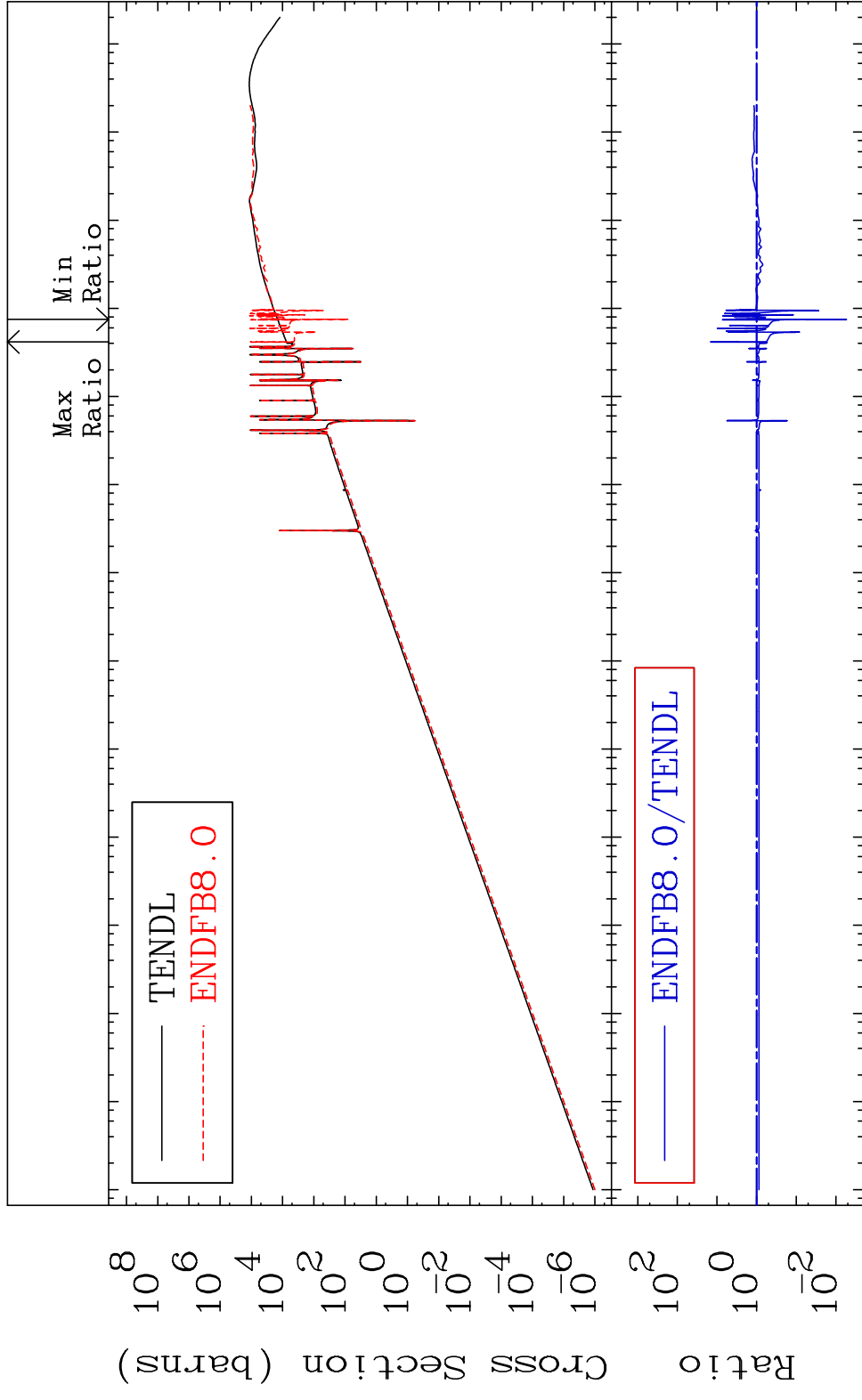


25 Incident Energy (eV) 40-Zr-96

MAT 4043

Kerma elastic  
Cross Section

40-Zr-96  
-99.46 To 1339. %

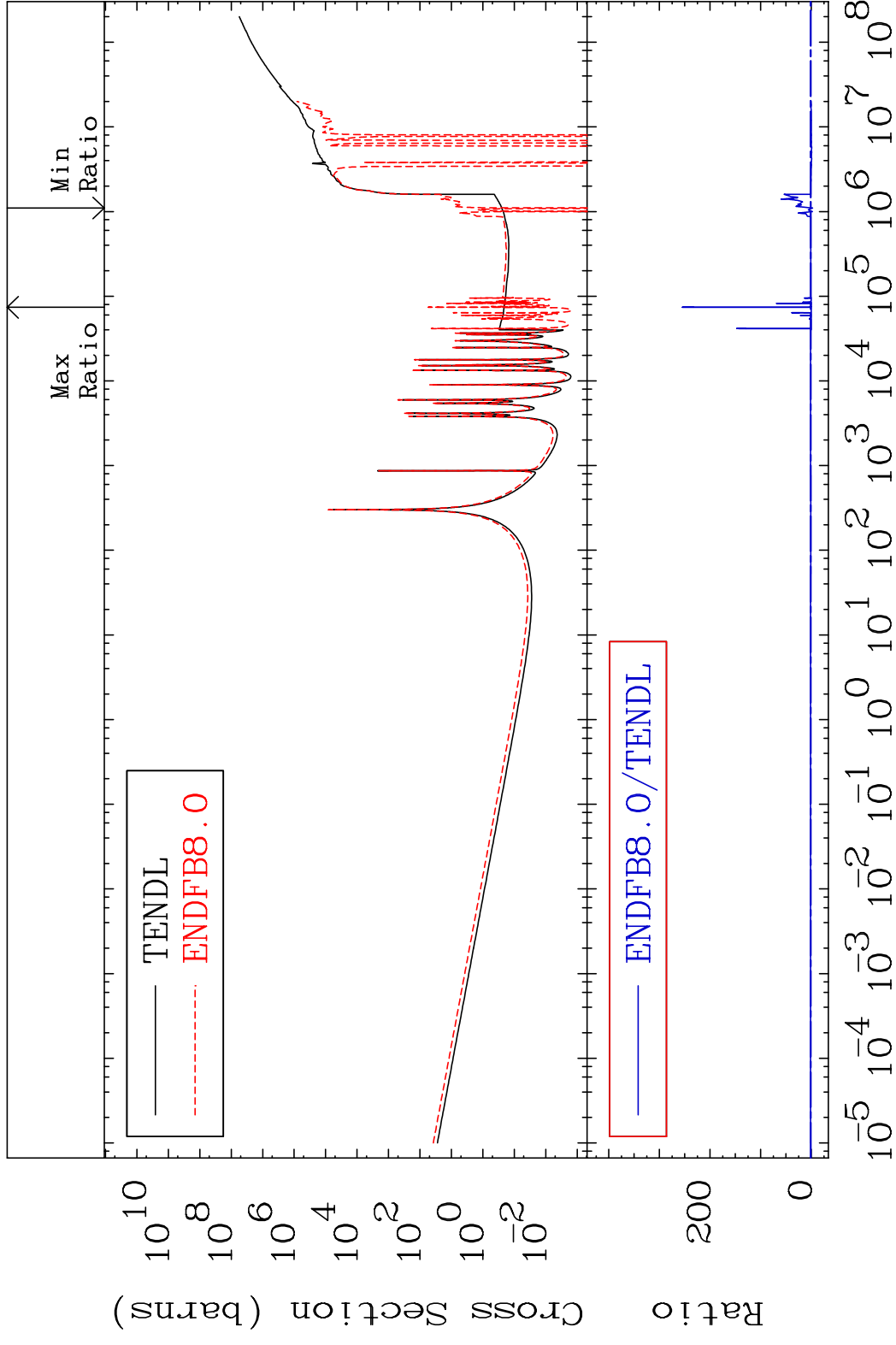


26

Incident Energy (eV)

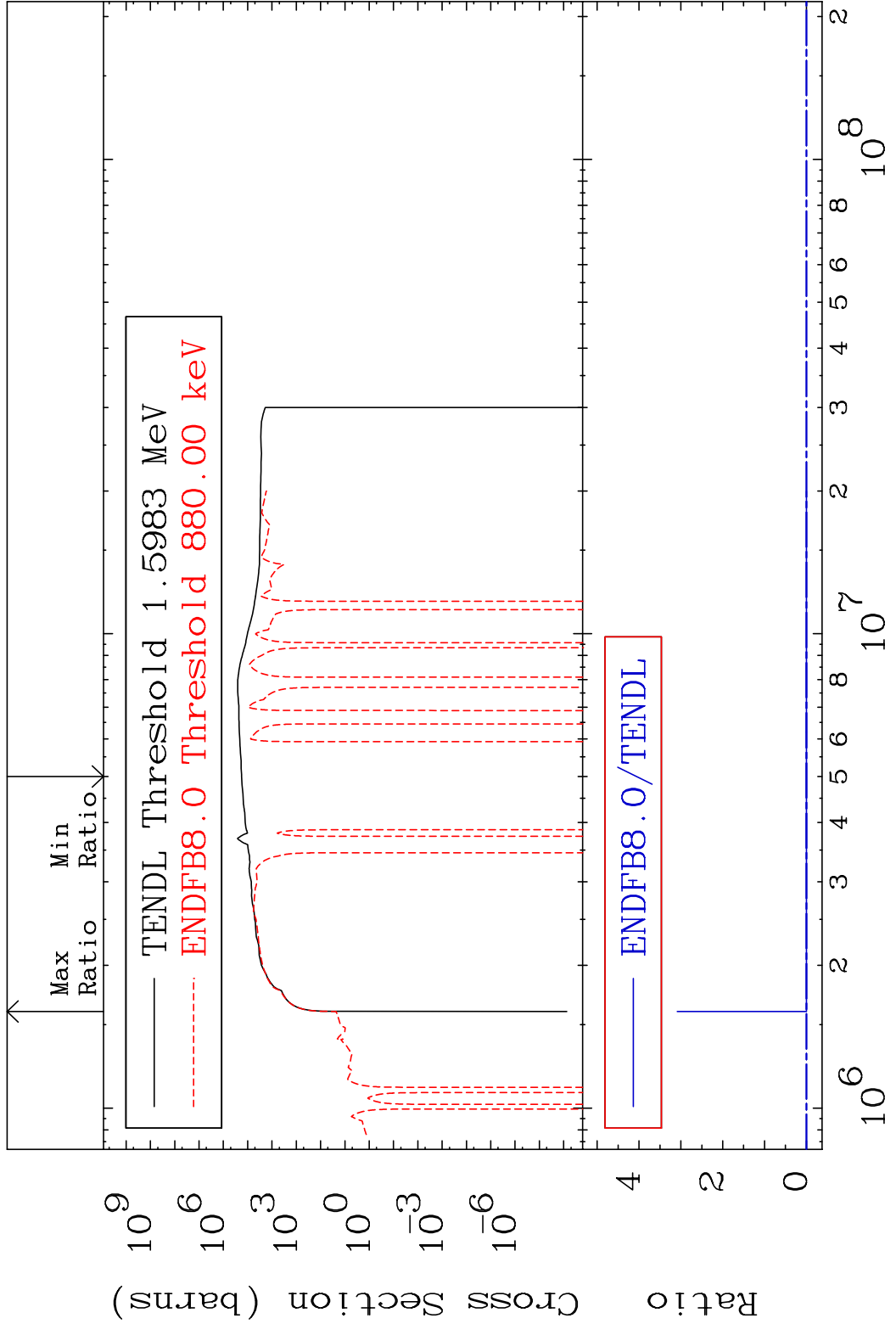
40-Zr-96

MAT 4043 Kerma non-elastic (all but mt2) 40-Zr-96  
 Cross Section -340.8 To 9999. %



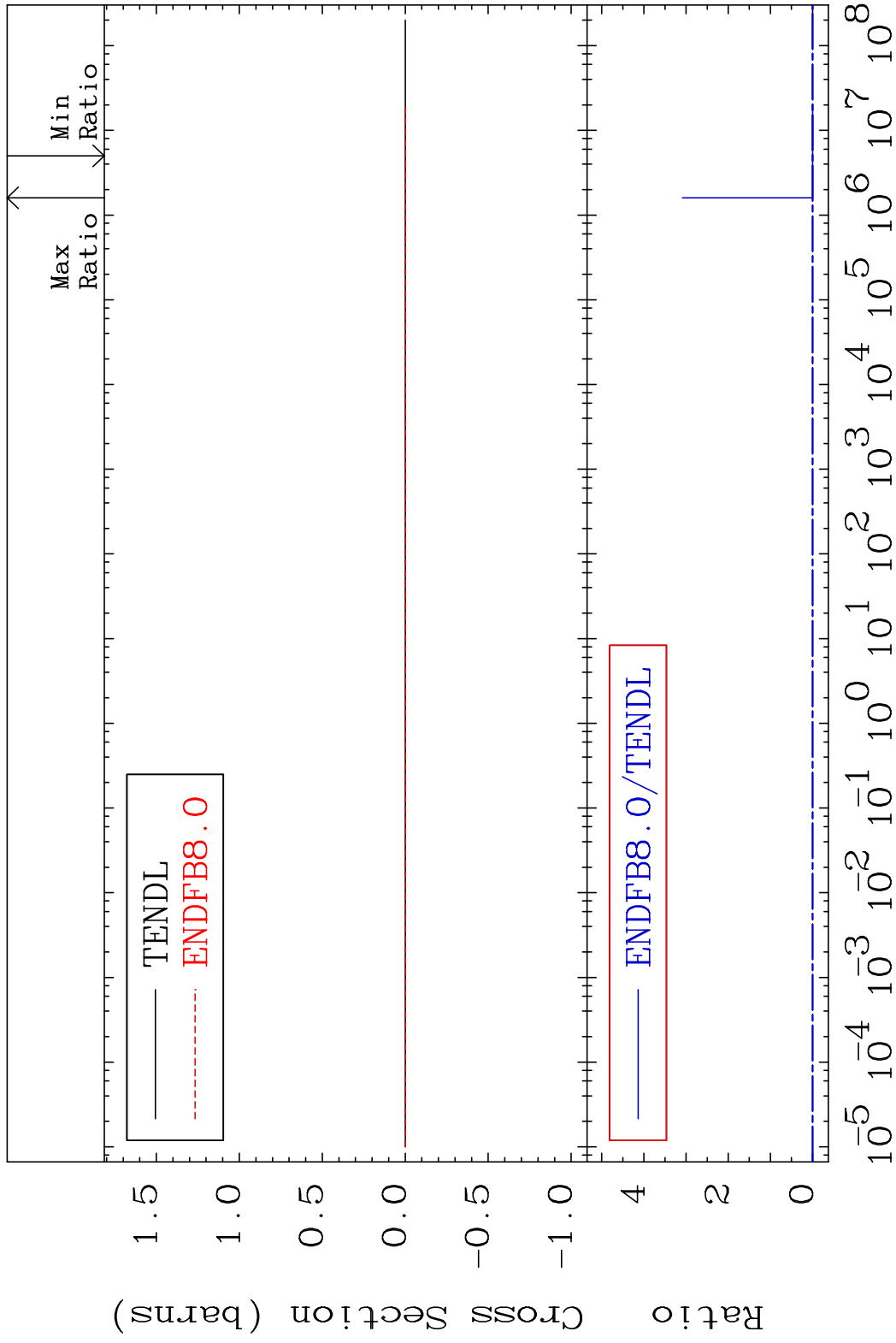
27 Incident Energy (eV) 40-Zr-96

MAT 4043 Kerma inelastic (mt51-91) 40-Zr-96  
 Cross Section -164.2 To 9999. %



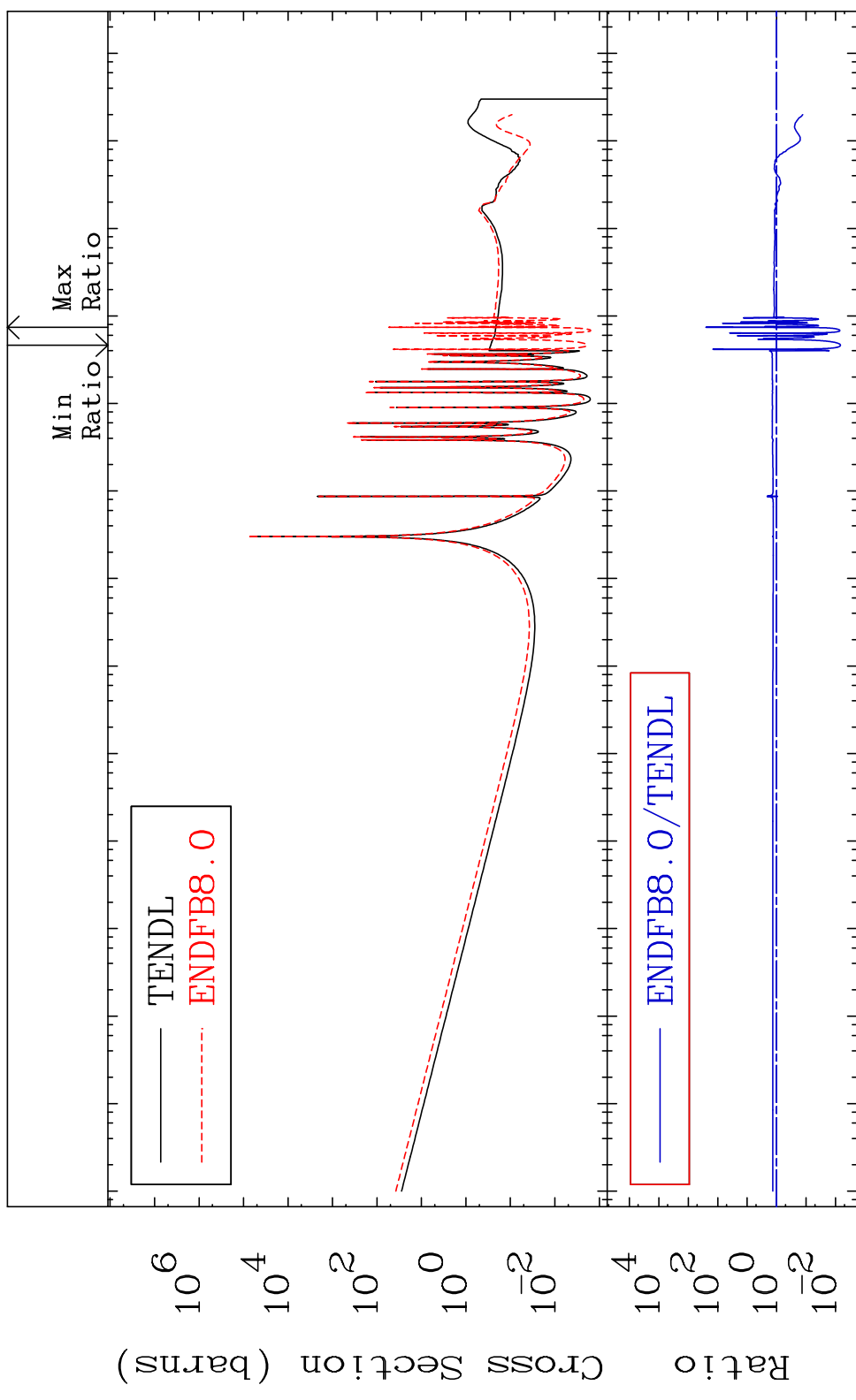
28 Incident Energy (eV) 40-Zr-96

MAT 4043 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-96  
 Cross Section -164.2 To 9999. %



MAT 4043

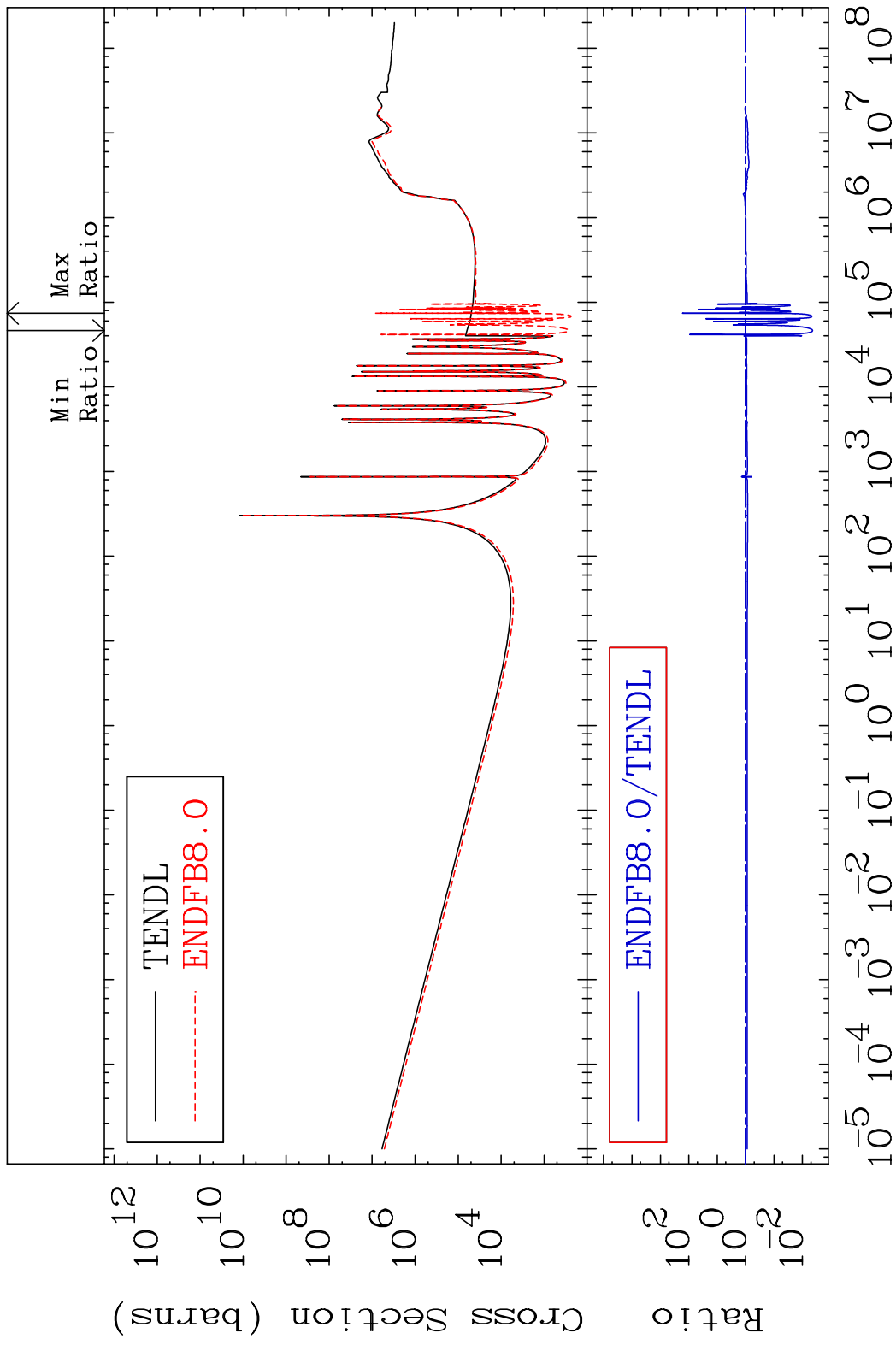
Kerma capture (mt102) 40-Zr-96  
Cross Section -99.31 To 9999. %



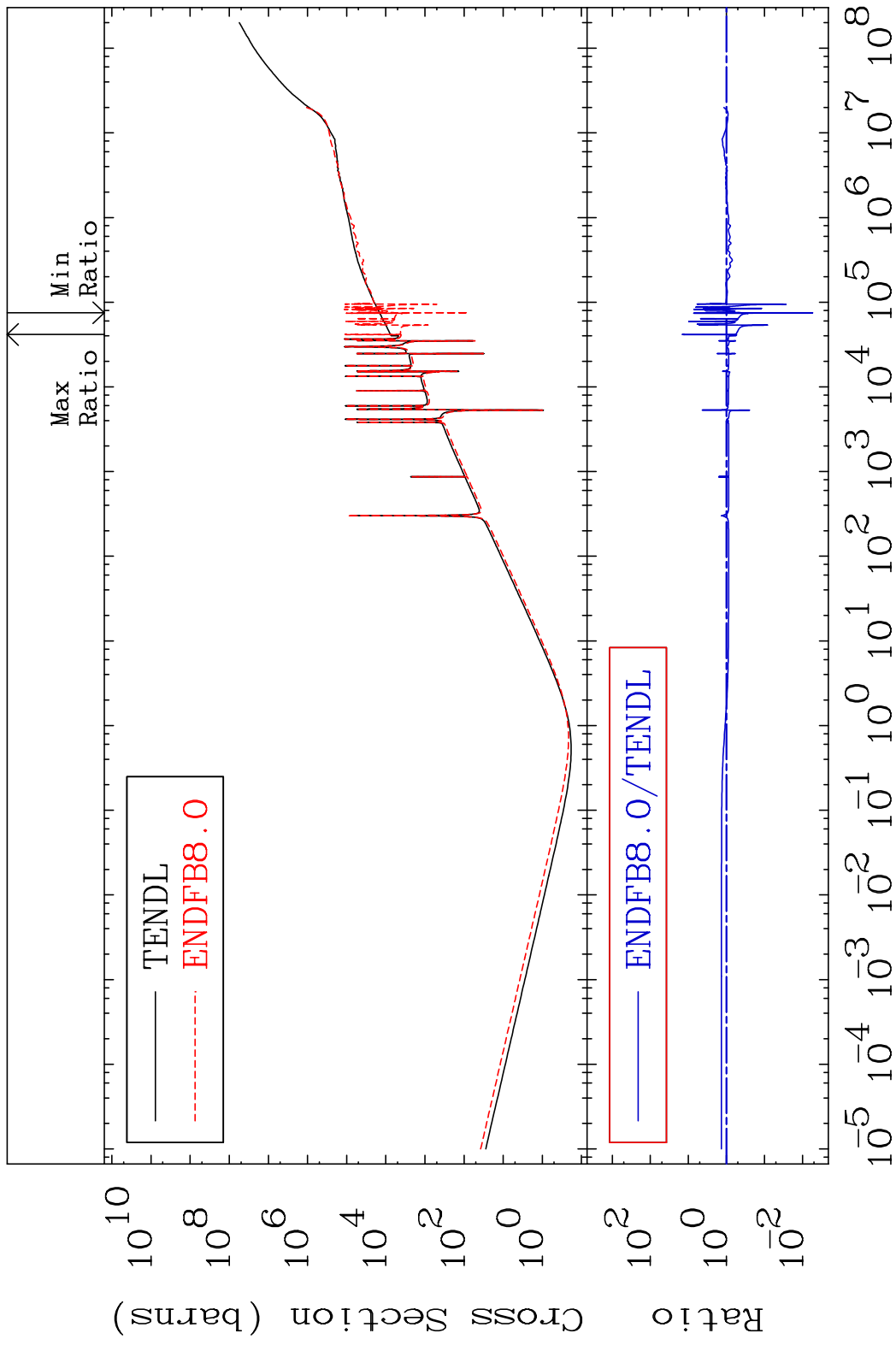
30

Incident Energy (eV) 40-Zr-96

MAT 4043 Total photon (eV-barns) 40-Zr-96  
 Cross Section -99.56 To 9999. %

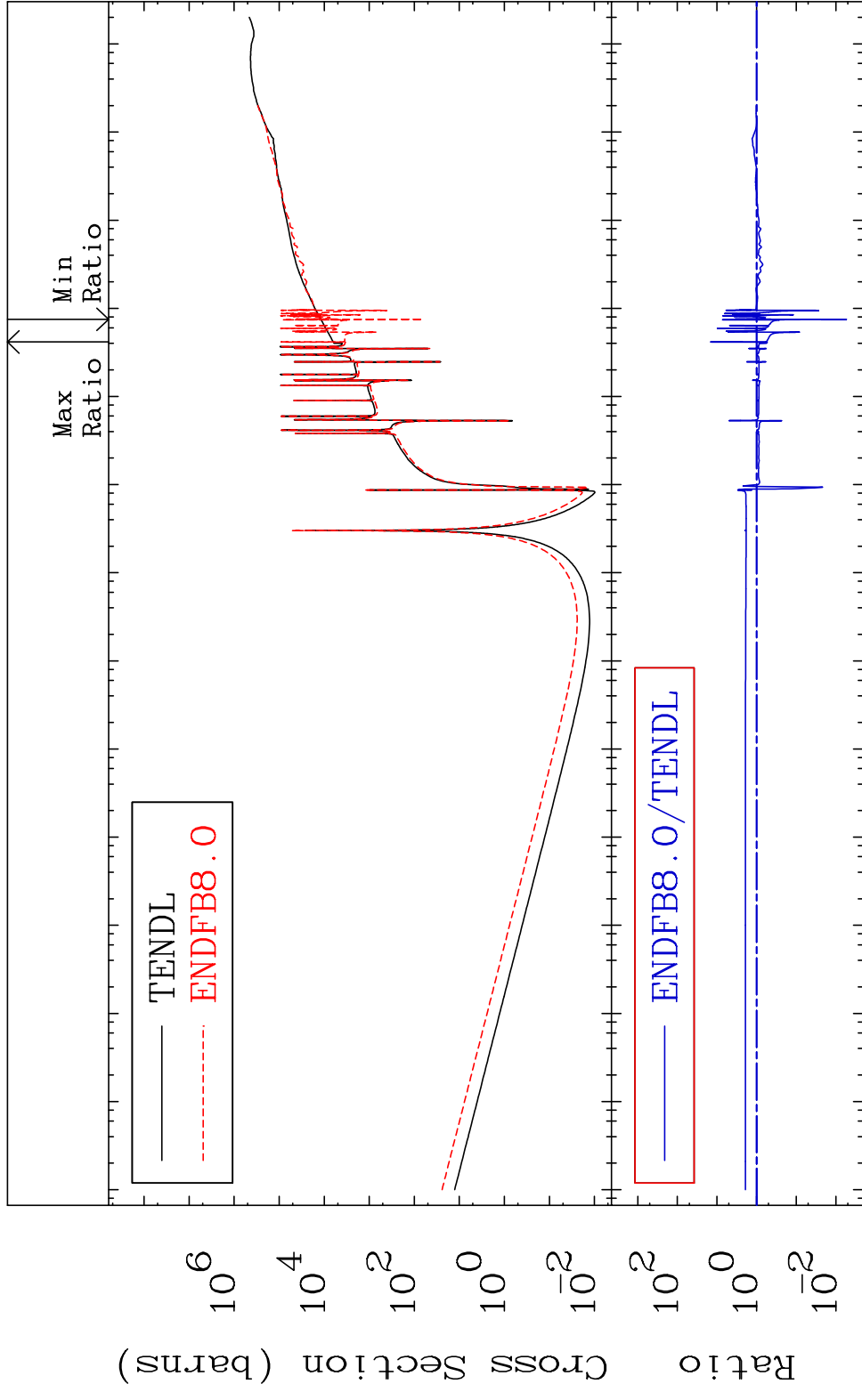


MAT 4043 Total kinematic kerma (high limit) 40-Zr-96  
 Cross Section -99.46 To 1340. %



32 Incident Energy (eV) 40-Zr-96

MAT 4043      Dpa total (eV-barns)      40-Zr-96  
 Cross Section      -99.46 To 1340. %



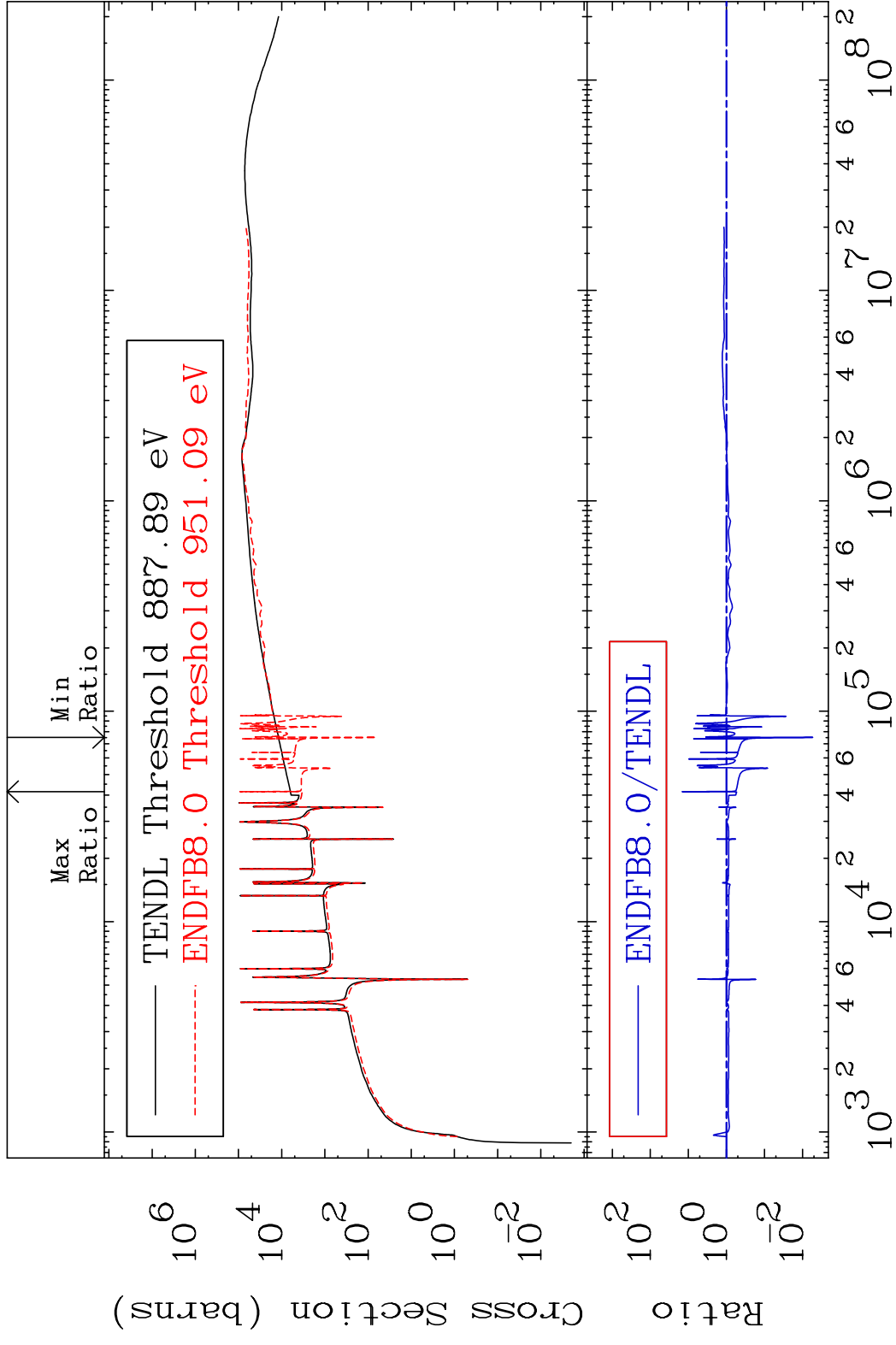
33      Incident Energy (eV)      40-Zr-96

MAT 4043

Dpa elastic (mt2)

40-Zr-96

Cross Section -99.46 To 1339. %

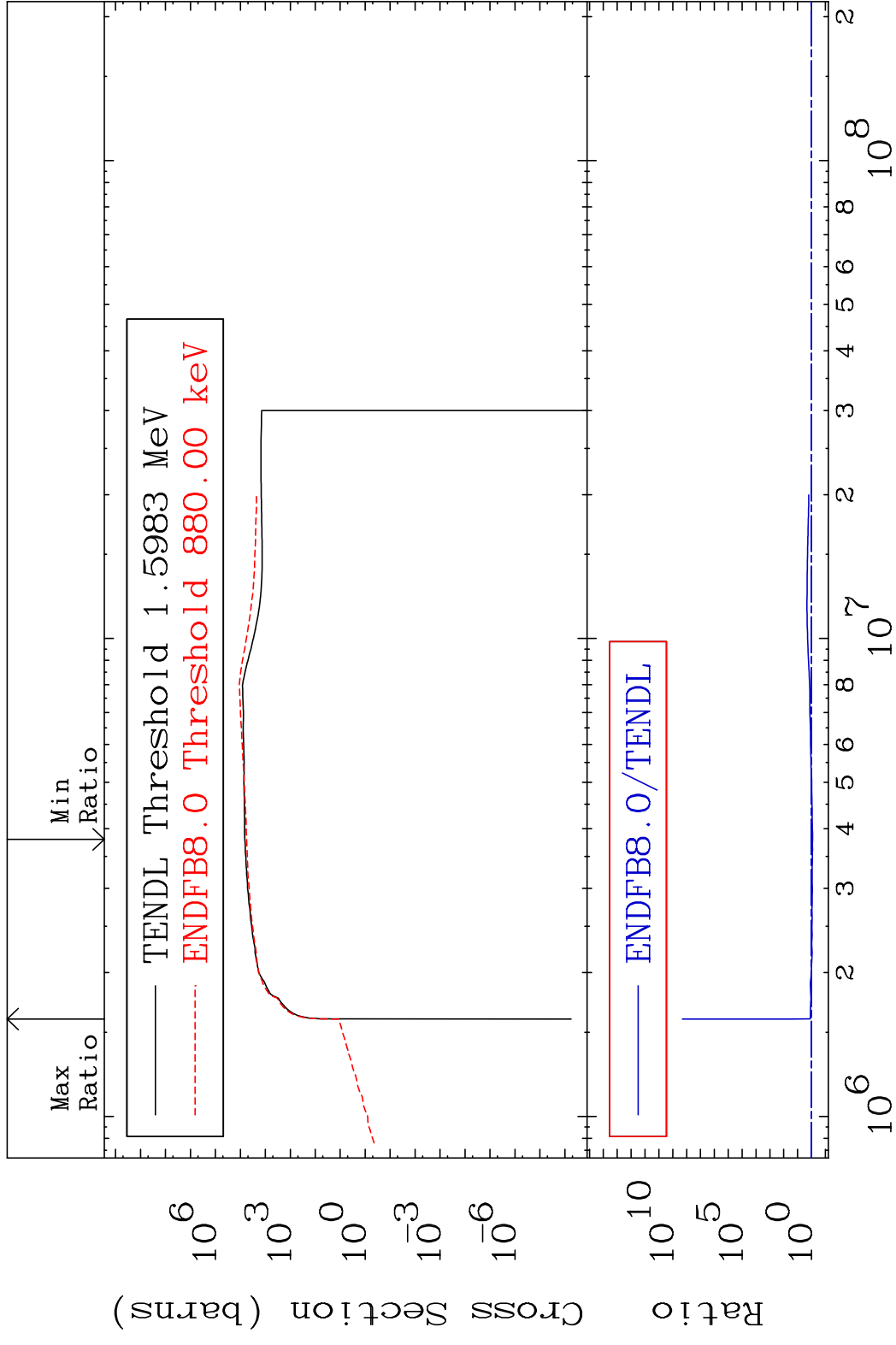


34

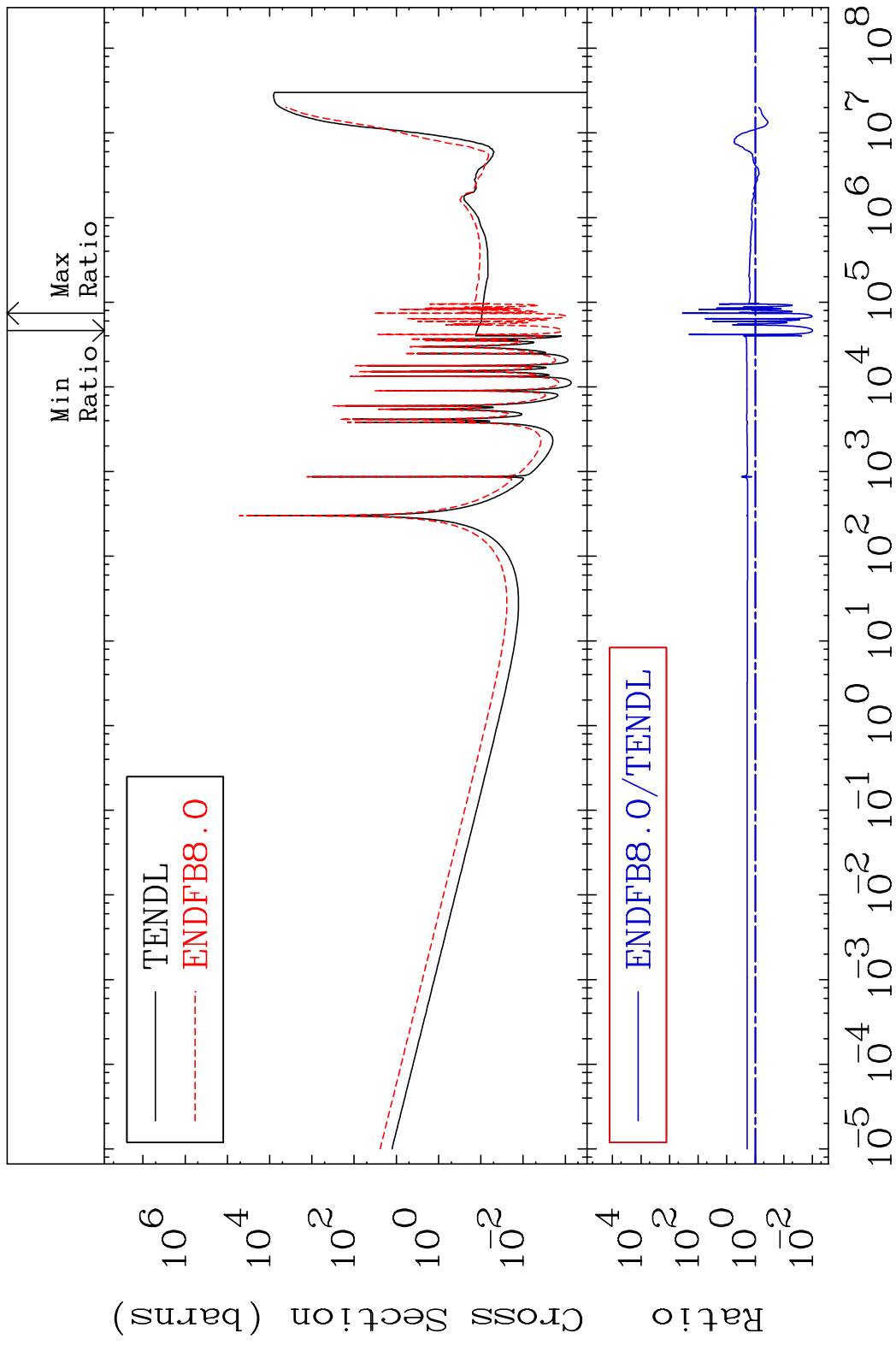
Incident Energy (eV)

40-Zr-96

MAT 4043 Dpa inelastic (mt51-91) 40-Zr-96  
 Cross Section -15.94 To 9999. %



MAT 4043 Dpa disappearance (mt102 -120) 40-Zr-96  
 Cross Section -99.01 To 9999. %



36 Incident Energy (eV) 40-Zr-96