

Program Complot  
(Version 2021-1)

by

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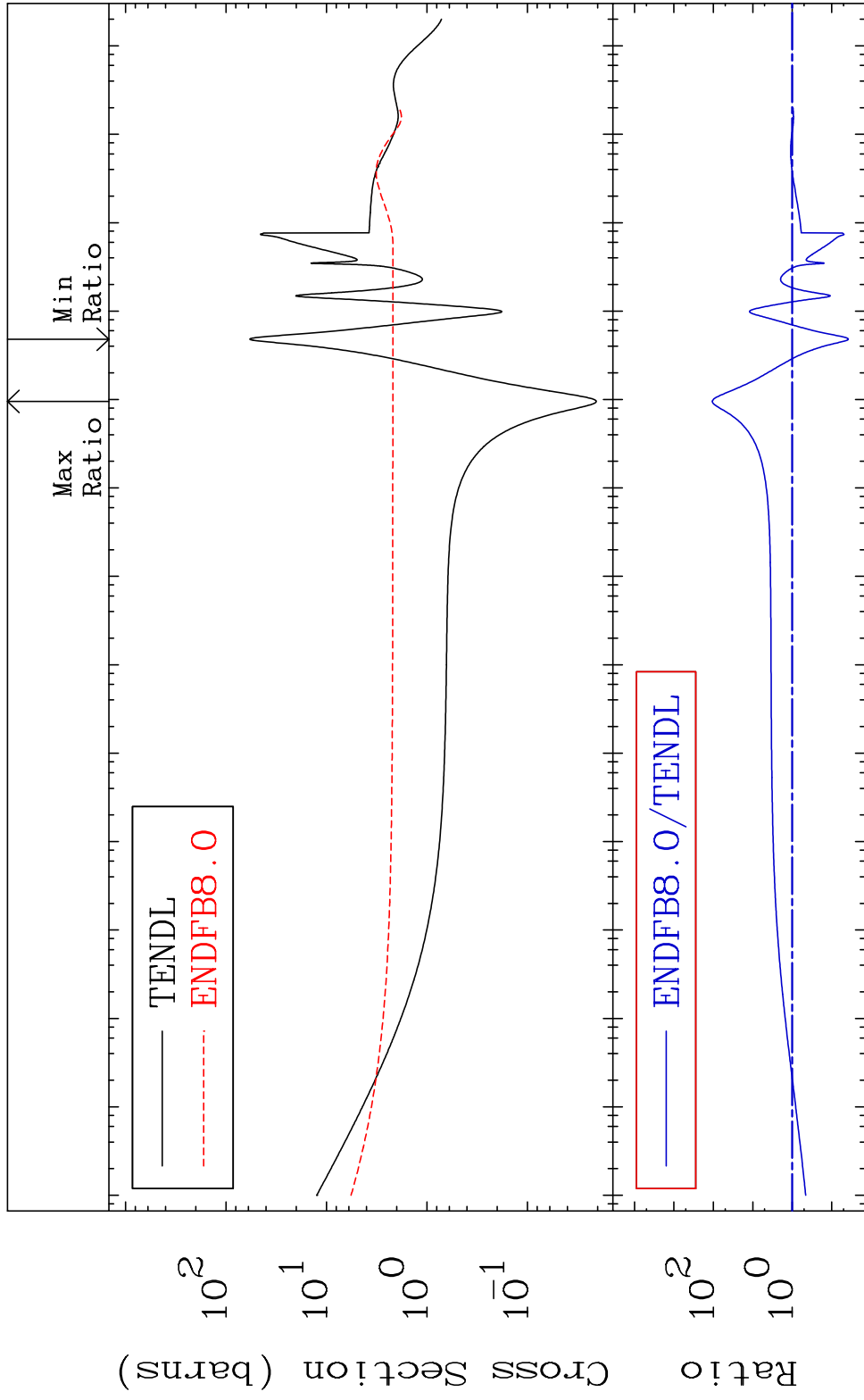
Press Mouse Button to Start

MAT 1637

Total

16-S -36

Cross Section -96.23 To 9999. %



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)

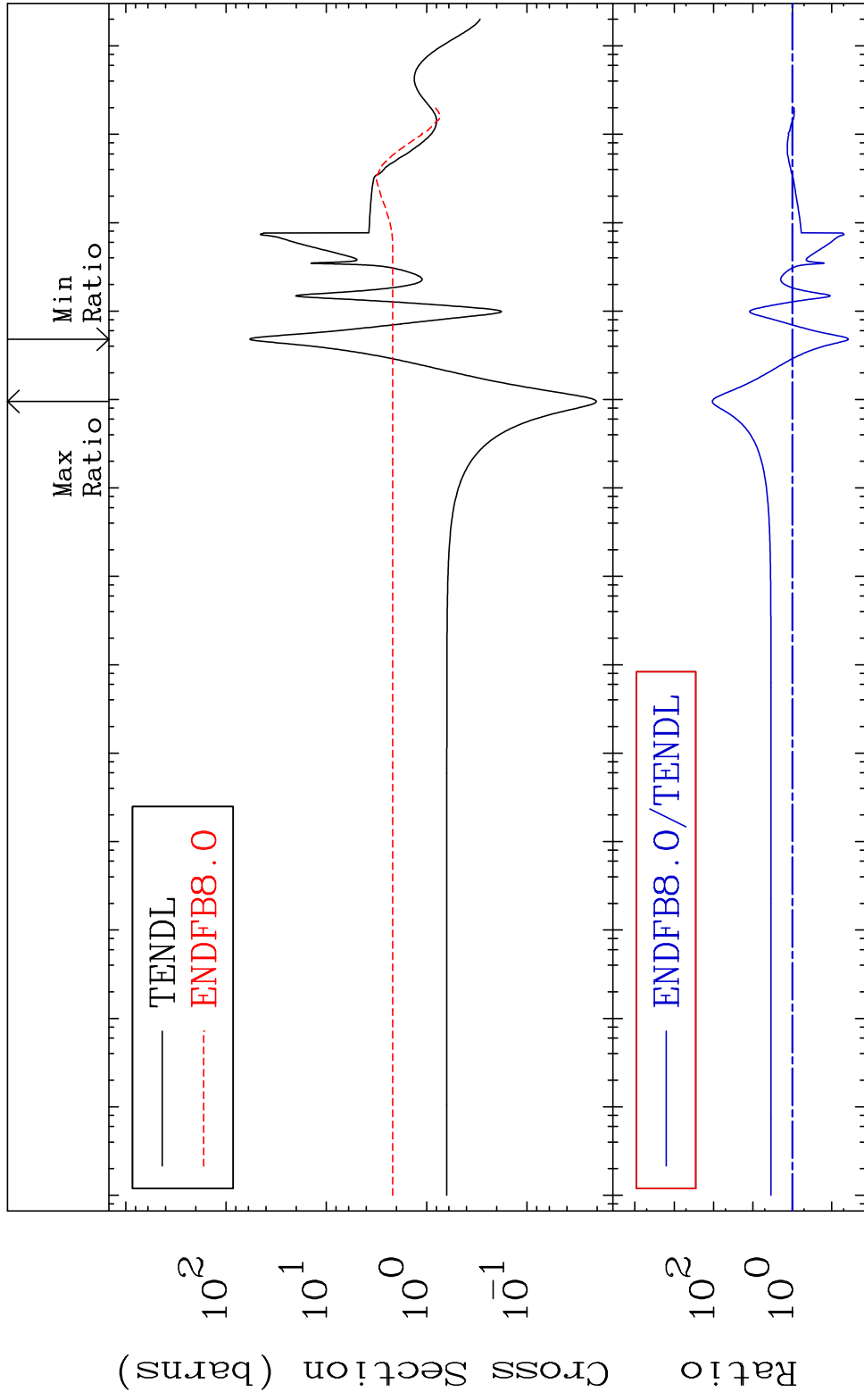
16-S -36

MAT 1637

Elastic

16-S -36

Cross Section -96.23 To 9999. %



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)

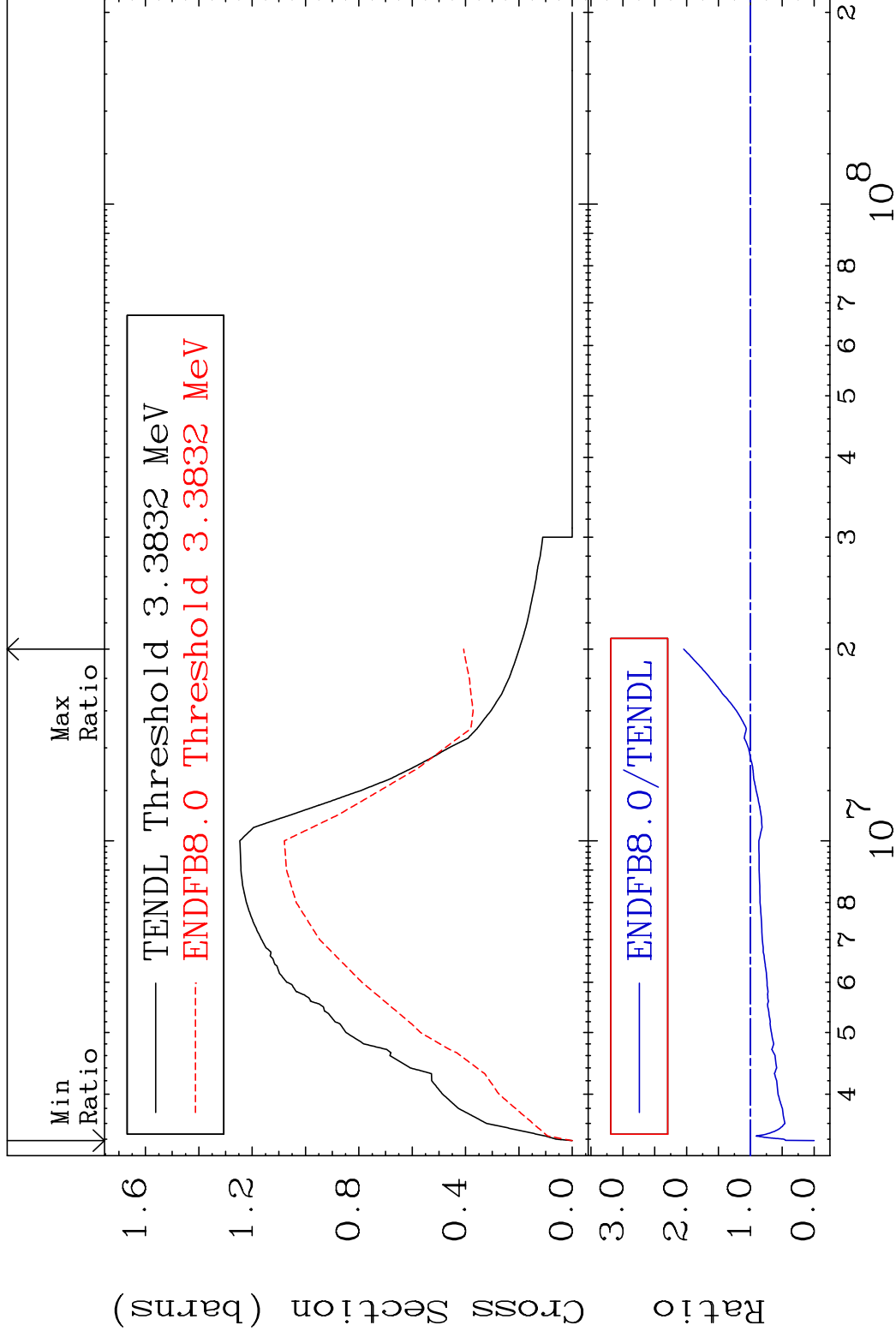
16-S -36

MAT 1637

Inelastic

16-S -36

Cross Section -100.0 To 104.7 %



3

Incident Energy (eV)

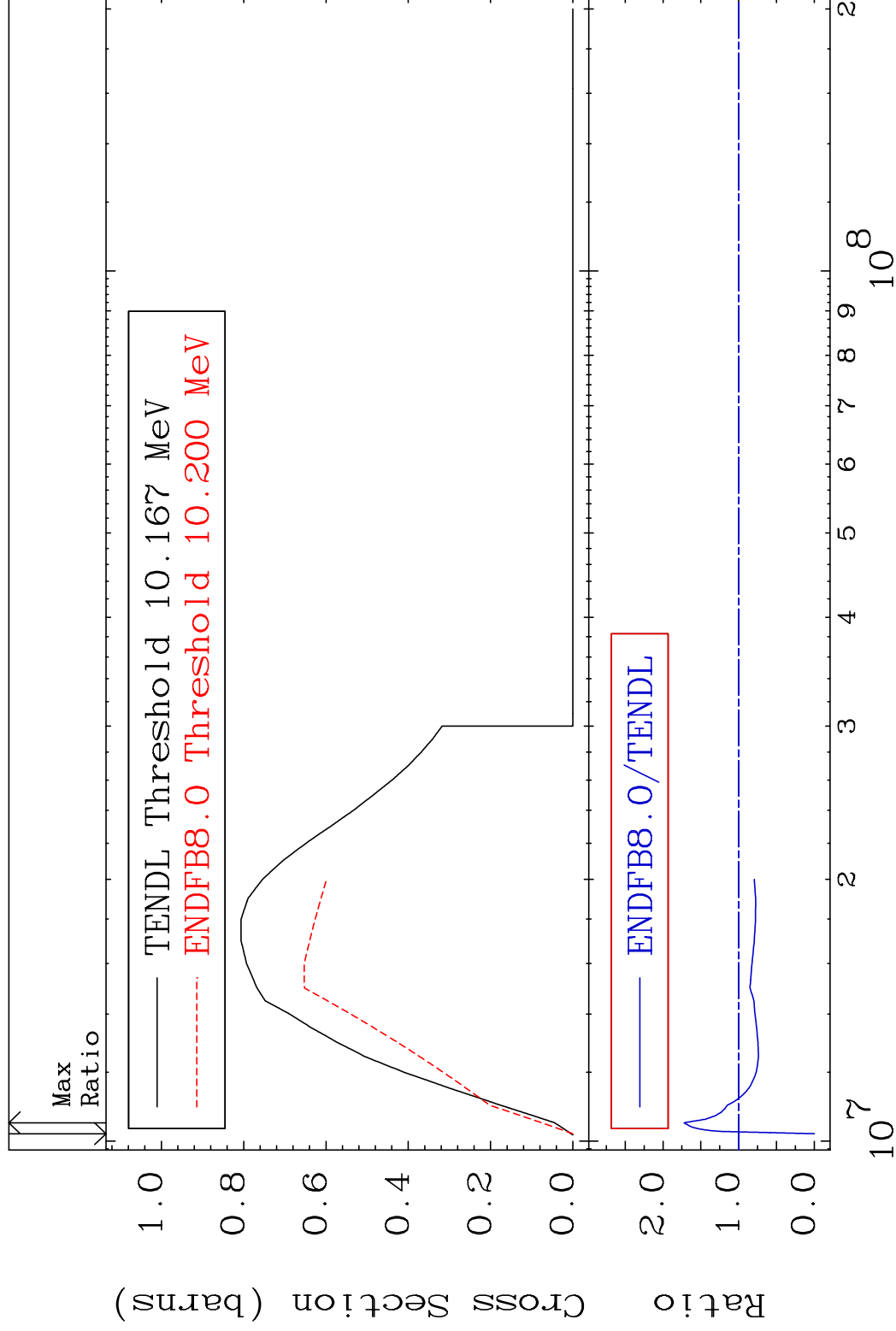
16-S -36

MAT 1637

(n,2n)

16-S -36

Cross Section -100.0 To 72.16 %



4

Incident Energy (eV)

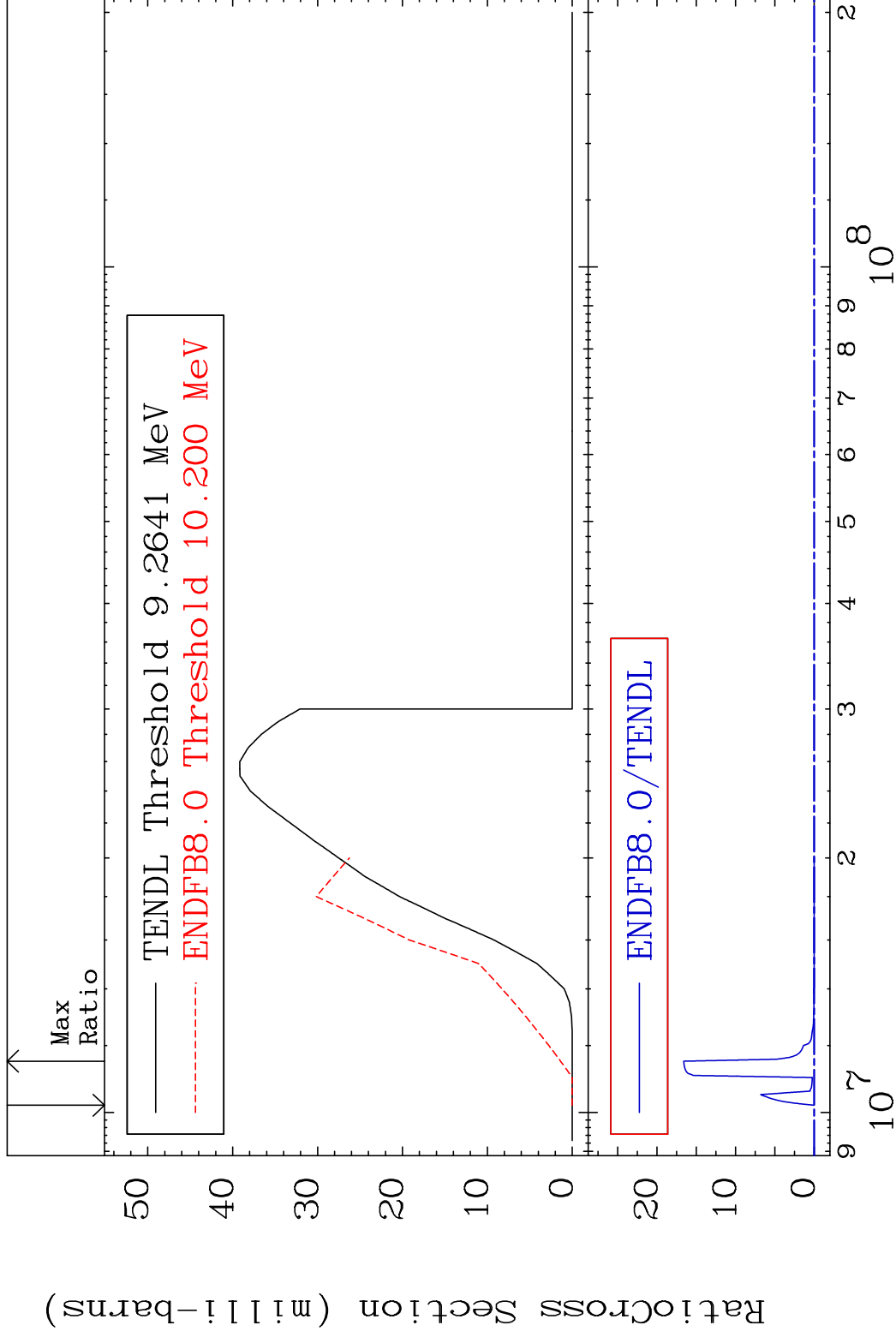
16-S -36

MAT 1637

(n, n')  $\alpha$

16-S -36

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

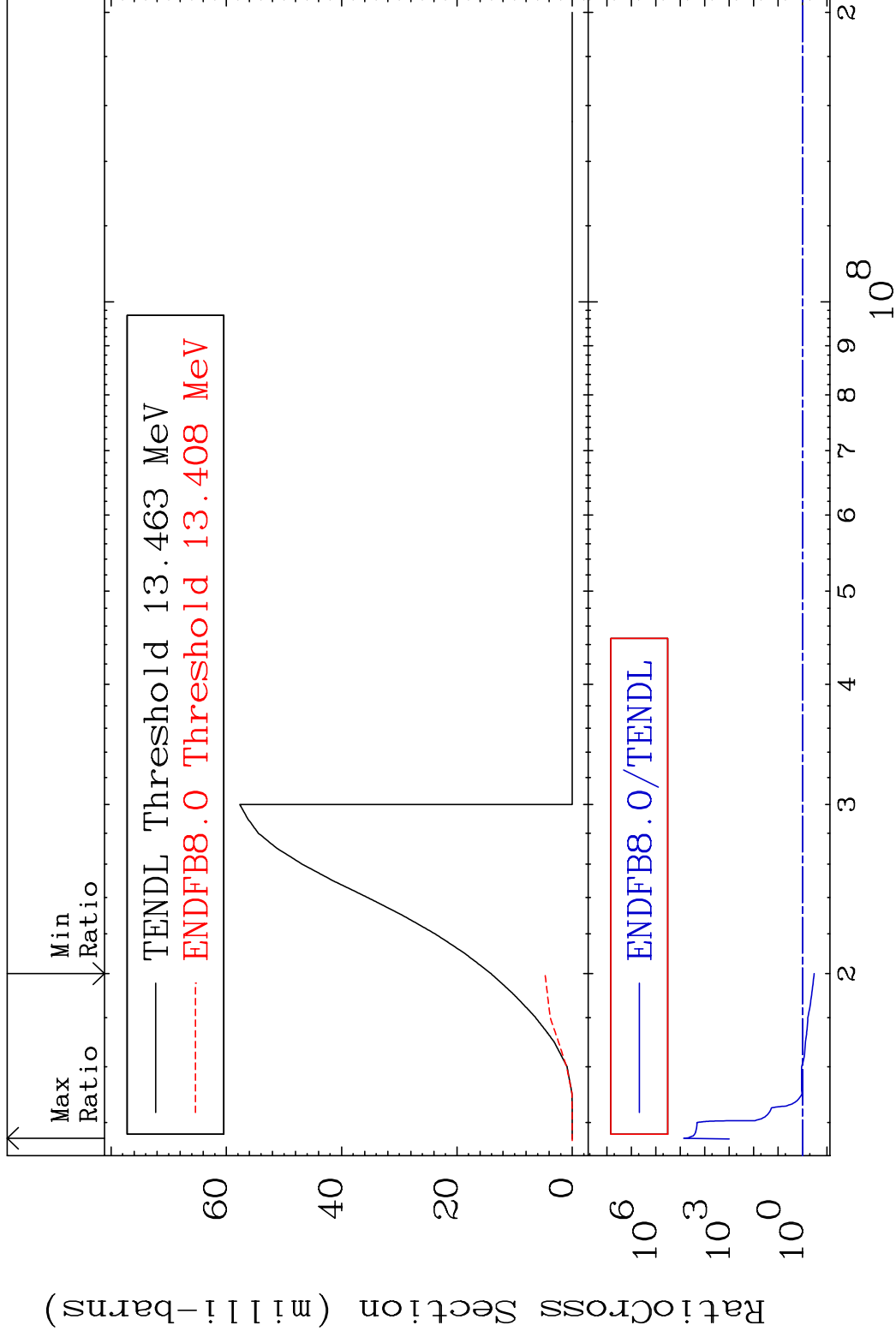
16-S -36

MAT 1637

(n, n') p

16-S -36

Cross Section -66.41 To 9999. %

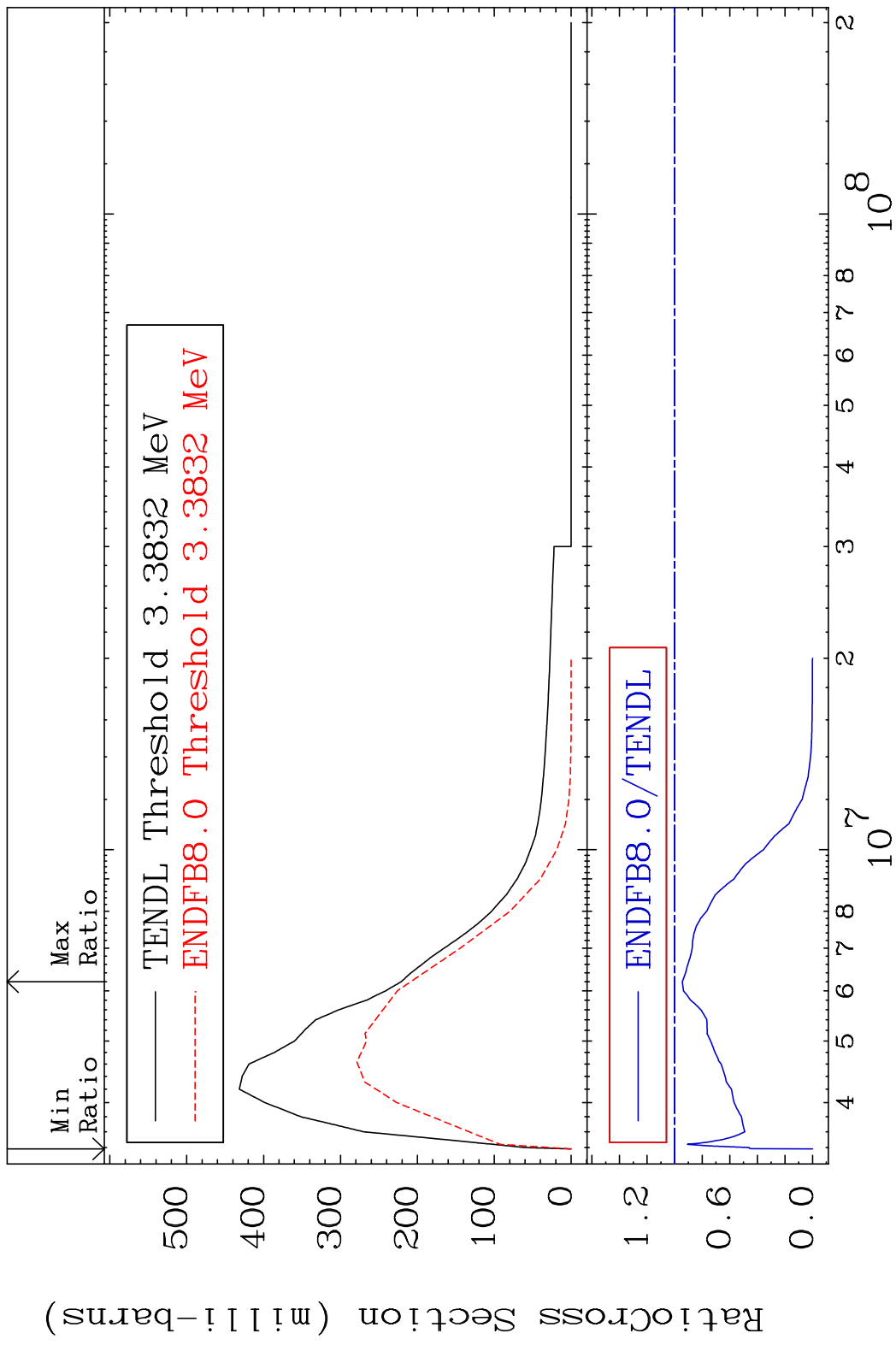


6

Incident Energy (eV)

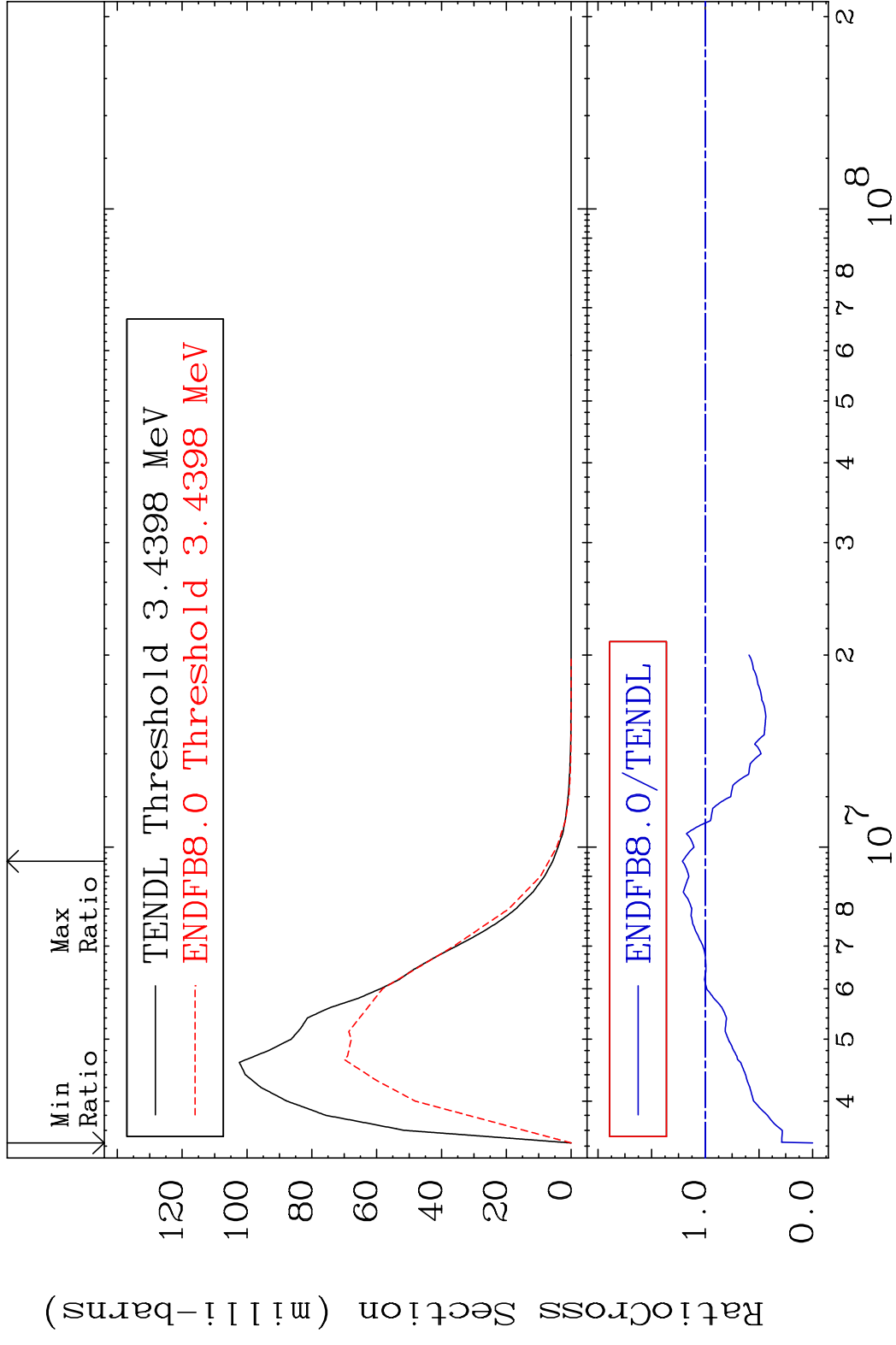
16-S -36

MAT 1637 MT= 51 (n,n') Level 16-S -36  
 Cross Section -100.0 To -5.600%





MAT 1637 MT= 52 (n,n') Level 16-S -36  
 Cross Section -100.0 To 21.40 %

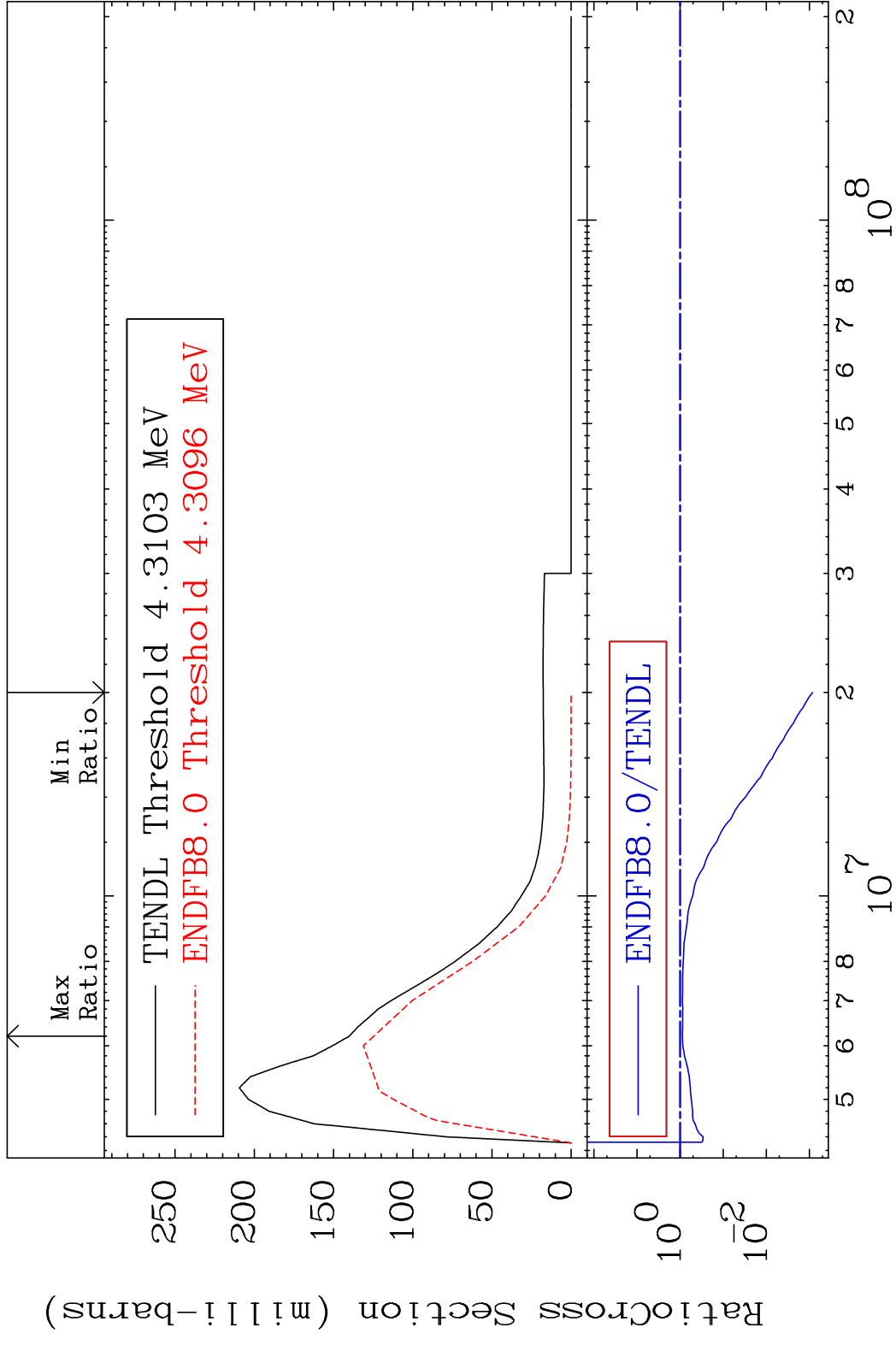


MAT 1637

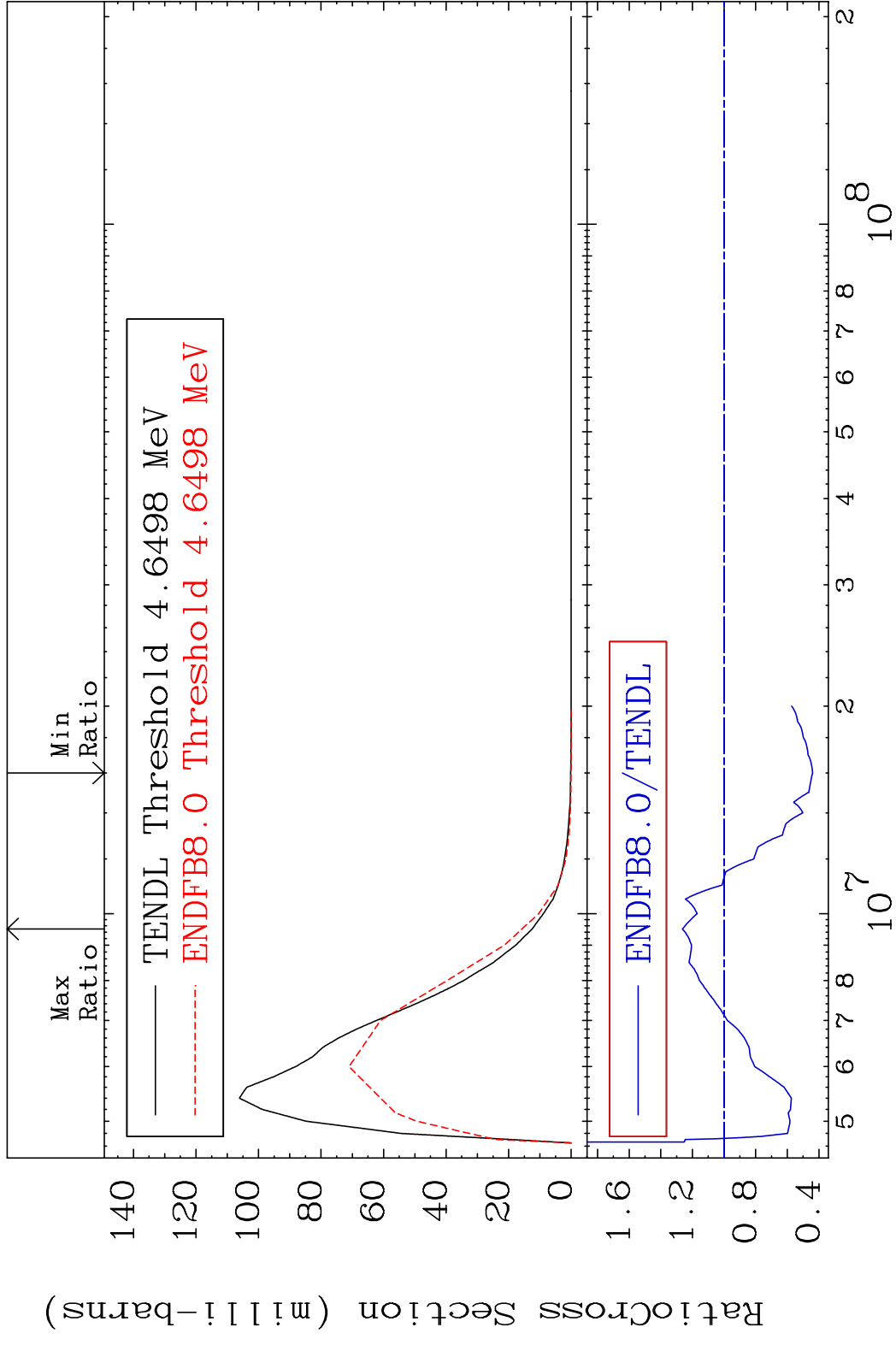
MT= 53 (n, n') Level

16-S -36

Cross Section -99.92 To -11.06%



MAT 1637 MT= 54 (n,n') Level 16-S -36  
 Cross Section -55.97 To 26.36 %



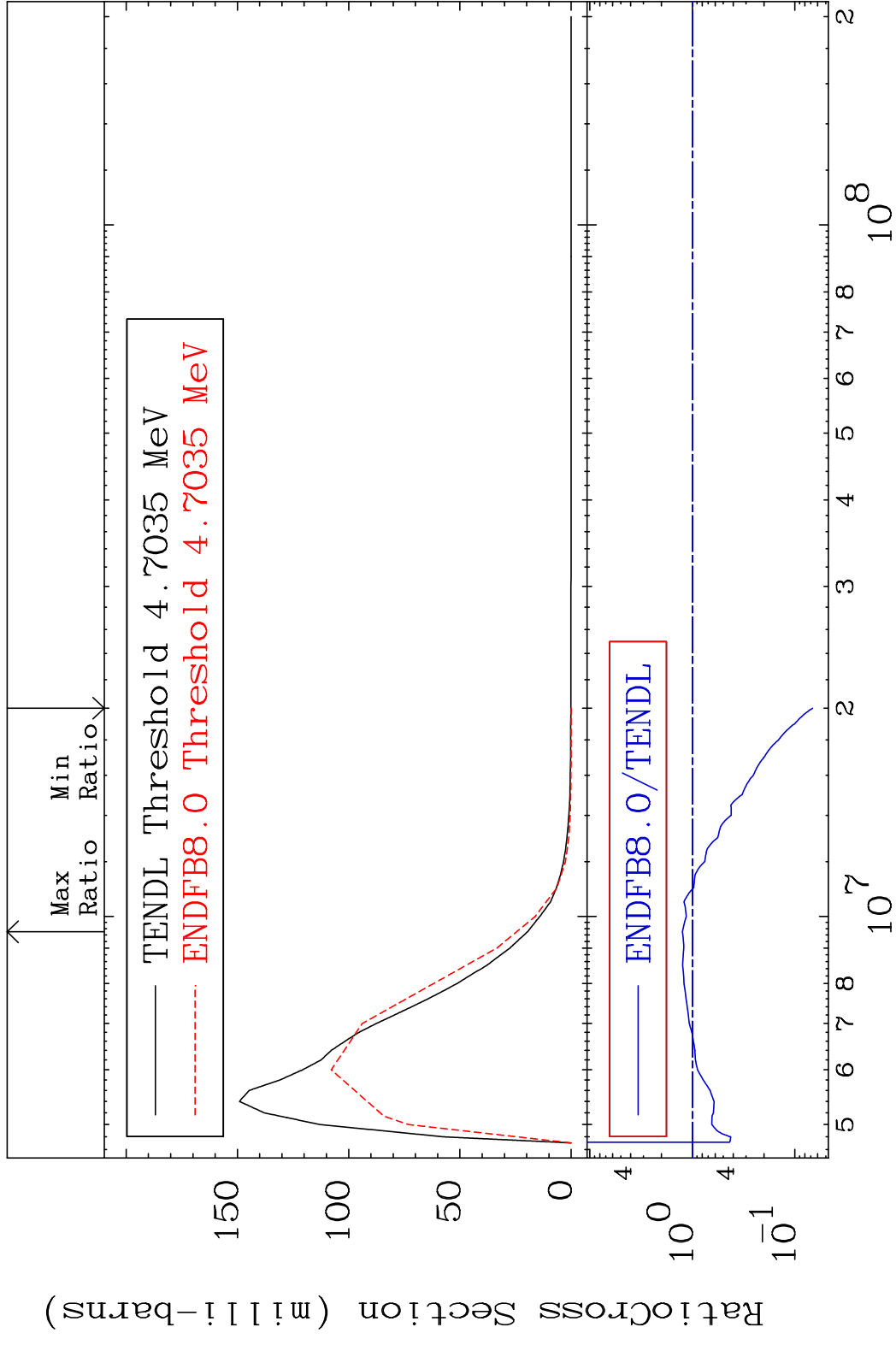
10 Incident Energy (eV) 16-S -36

MAT 1637

MT= 55 (n,n') Level

16-S -36

Cross Section -93.27 To 25.25 %



11

Incident Energy (eV)

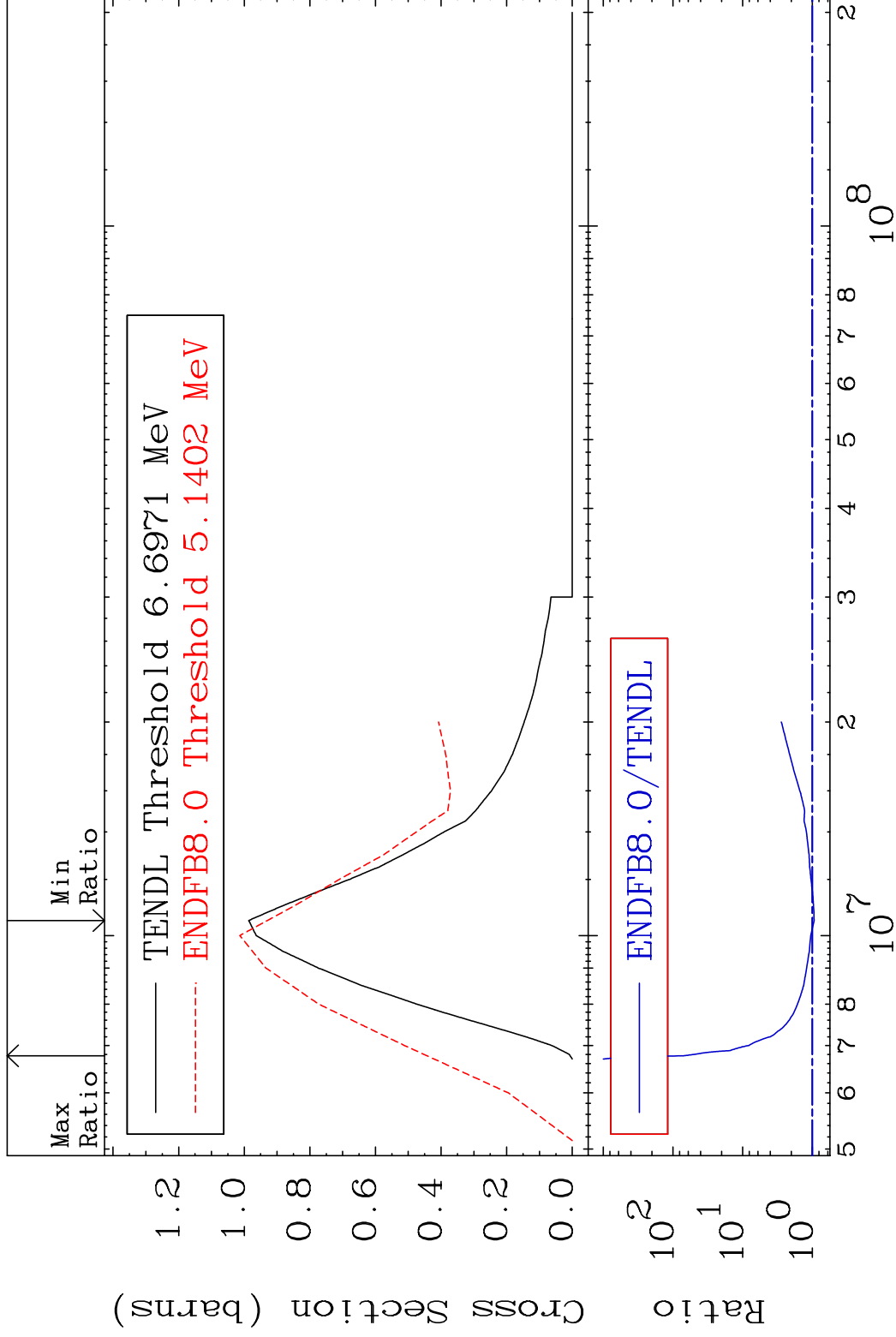
16-S -36

MAT 1637

(n,n') Continuum

16-S -36

Cross Section -5.772 To 6907. %



12

Incident Energy (eV)

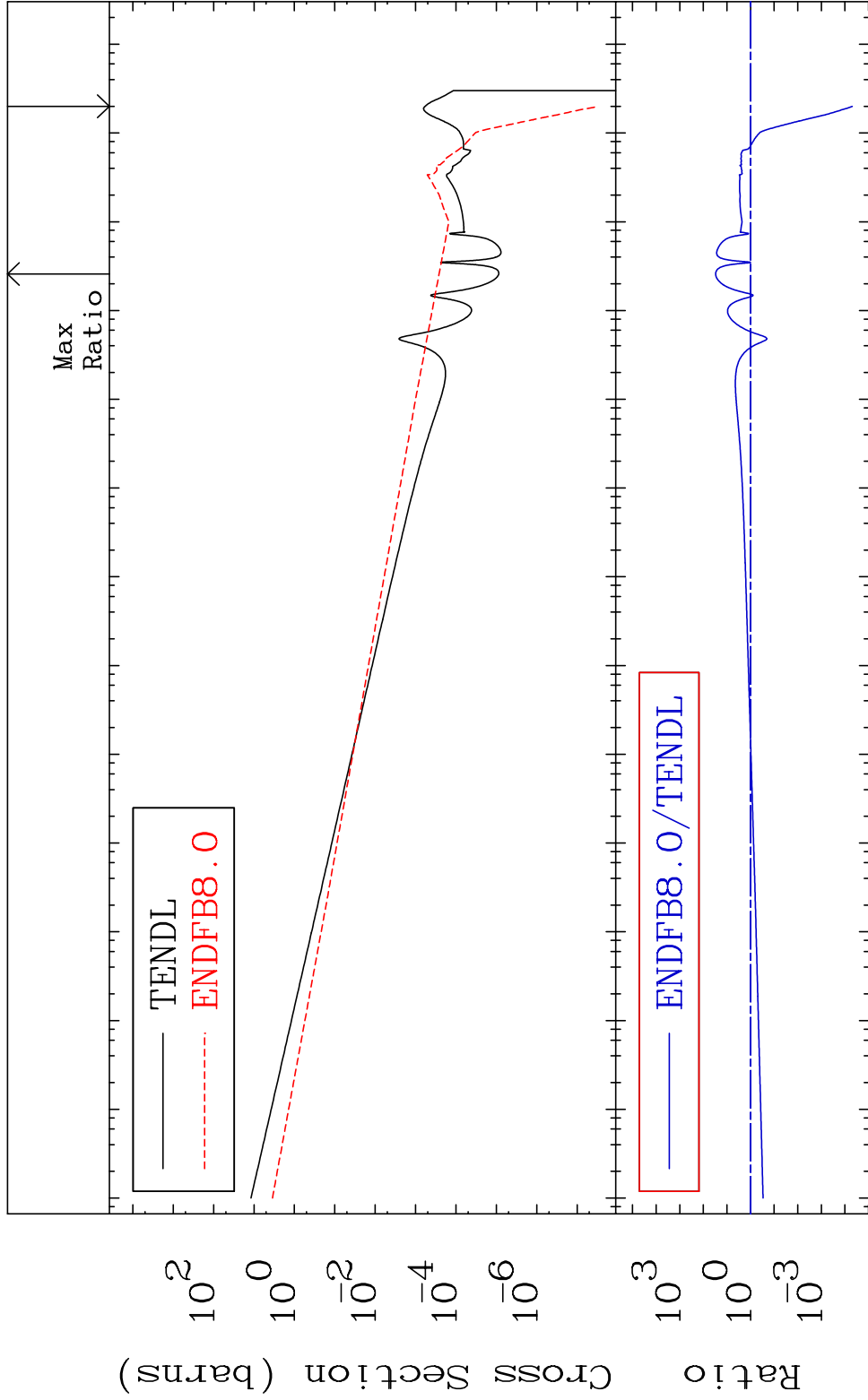
16-S -36

MAT 1637

(n,  $\gamma$ )

16-S -36

Cross Section -100.0 To 2899. %



13

Incident Energy (eV)

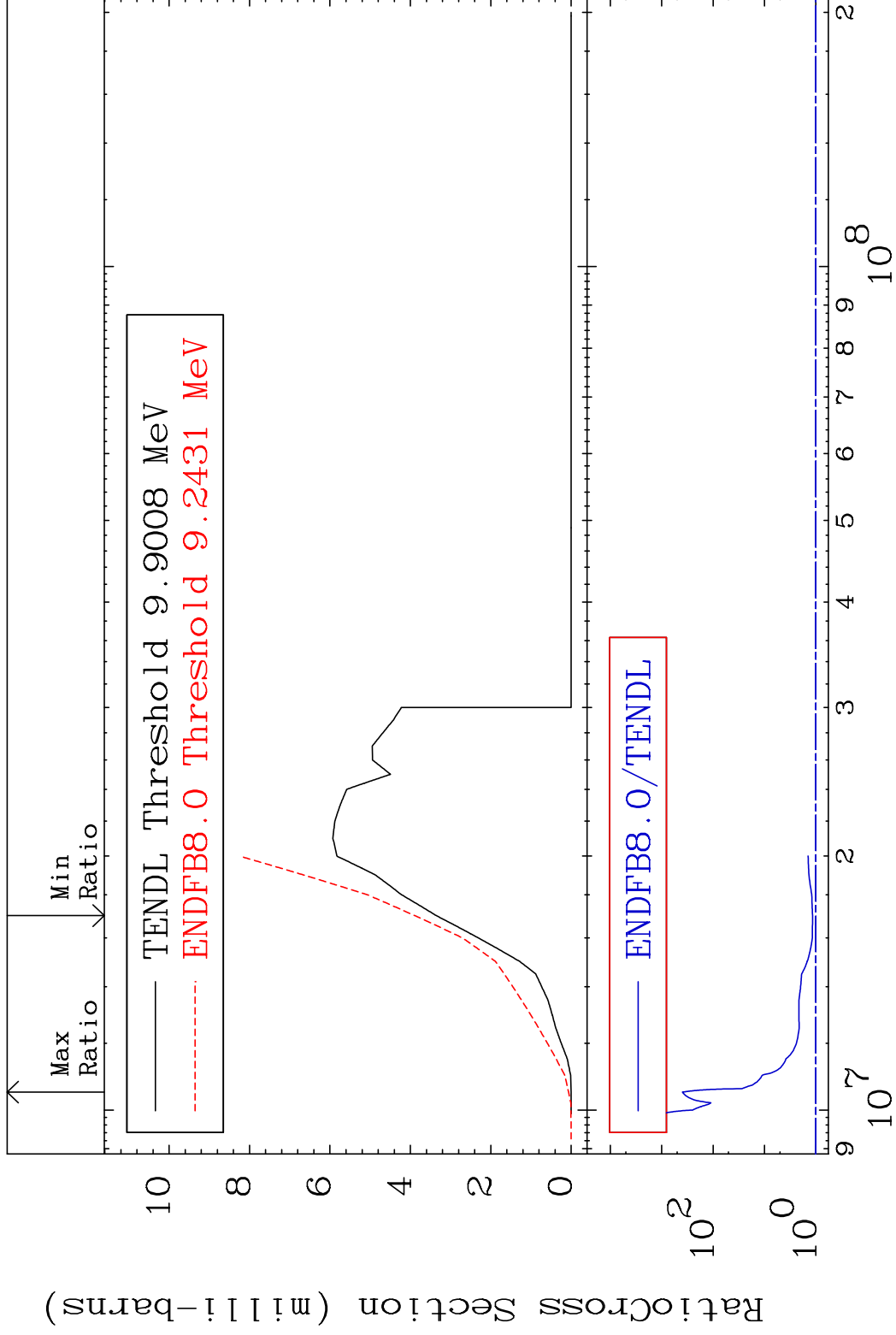
16-S -36

MAT 1637

(n,p)

16-S -36

Cross Section 15.97 To 9999. %

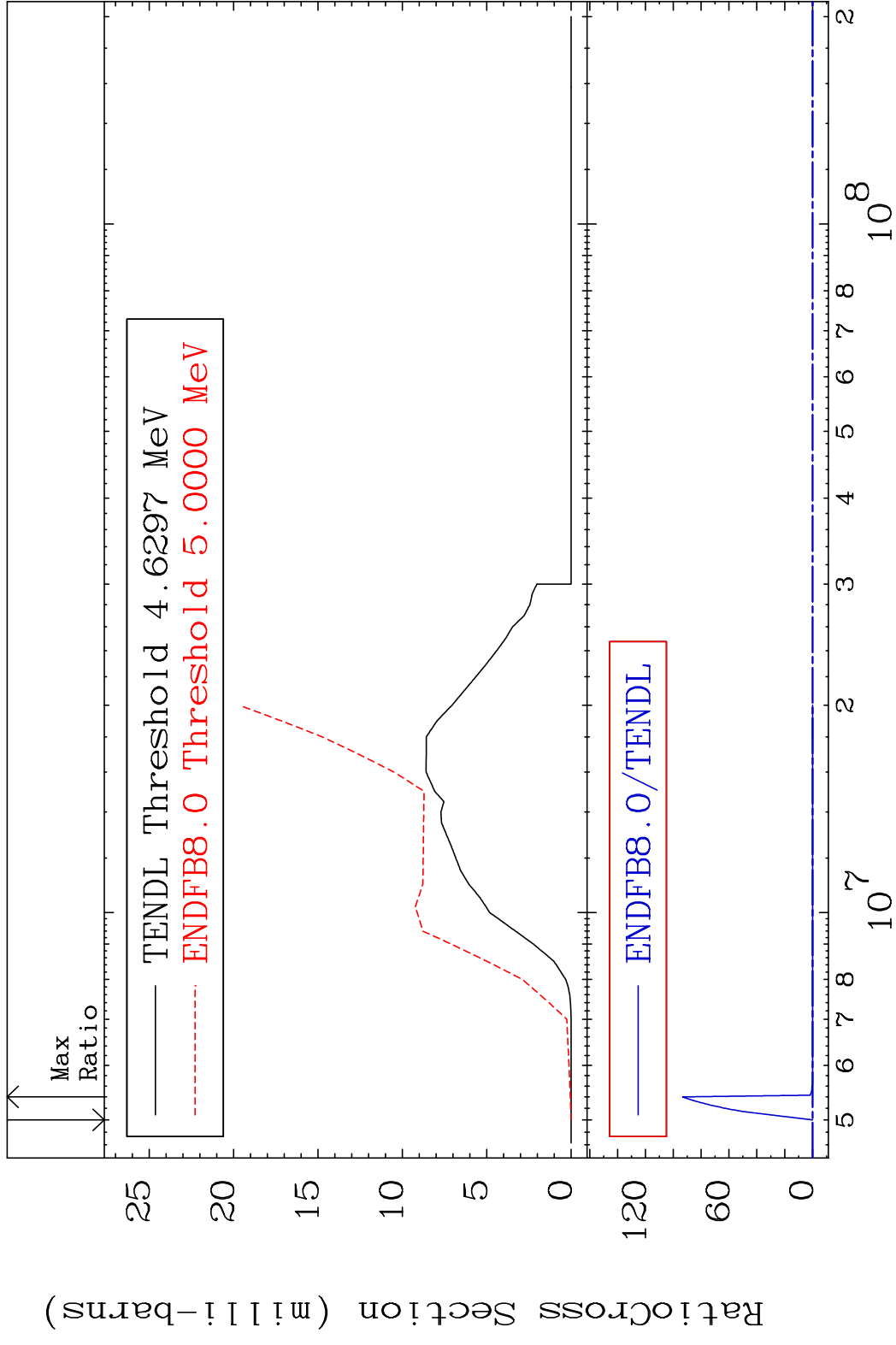


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Incident Energy (eV)

16-S -36

MAT 1637 (n,  $\alpha$ ) 16-S -36  
 Cross Section -100.0 To 9999. %

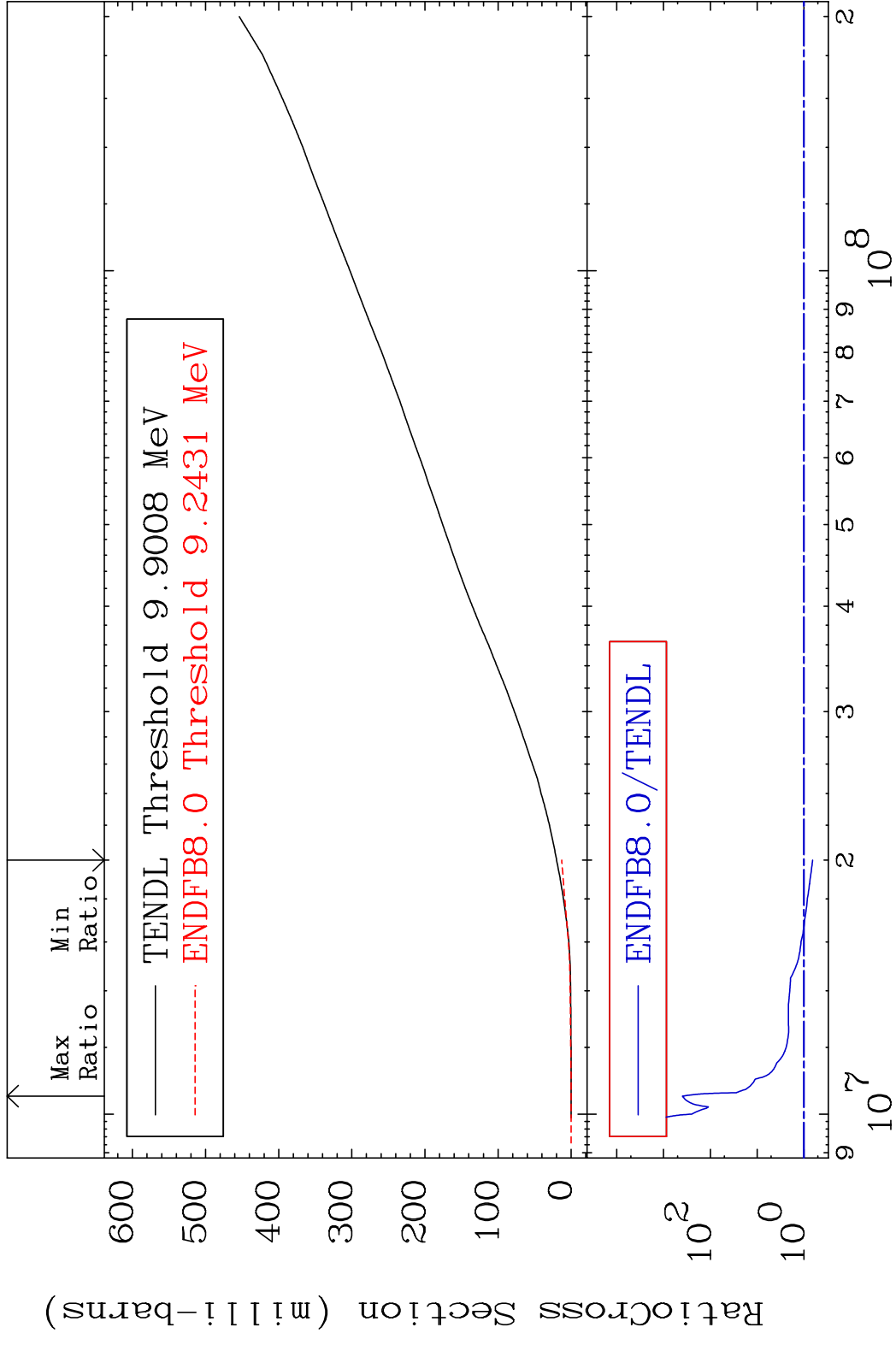


15 16-S -36



MAT 1637

Hydrogen Production 16-S -36  
Cross Section -34.81 To 9999. %

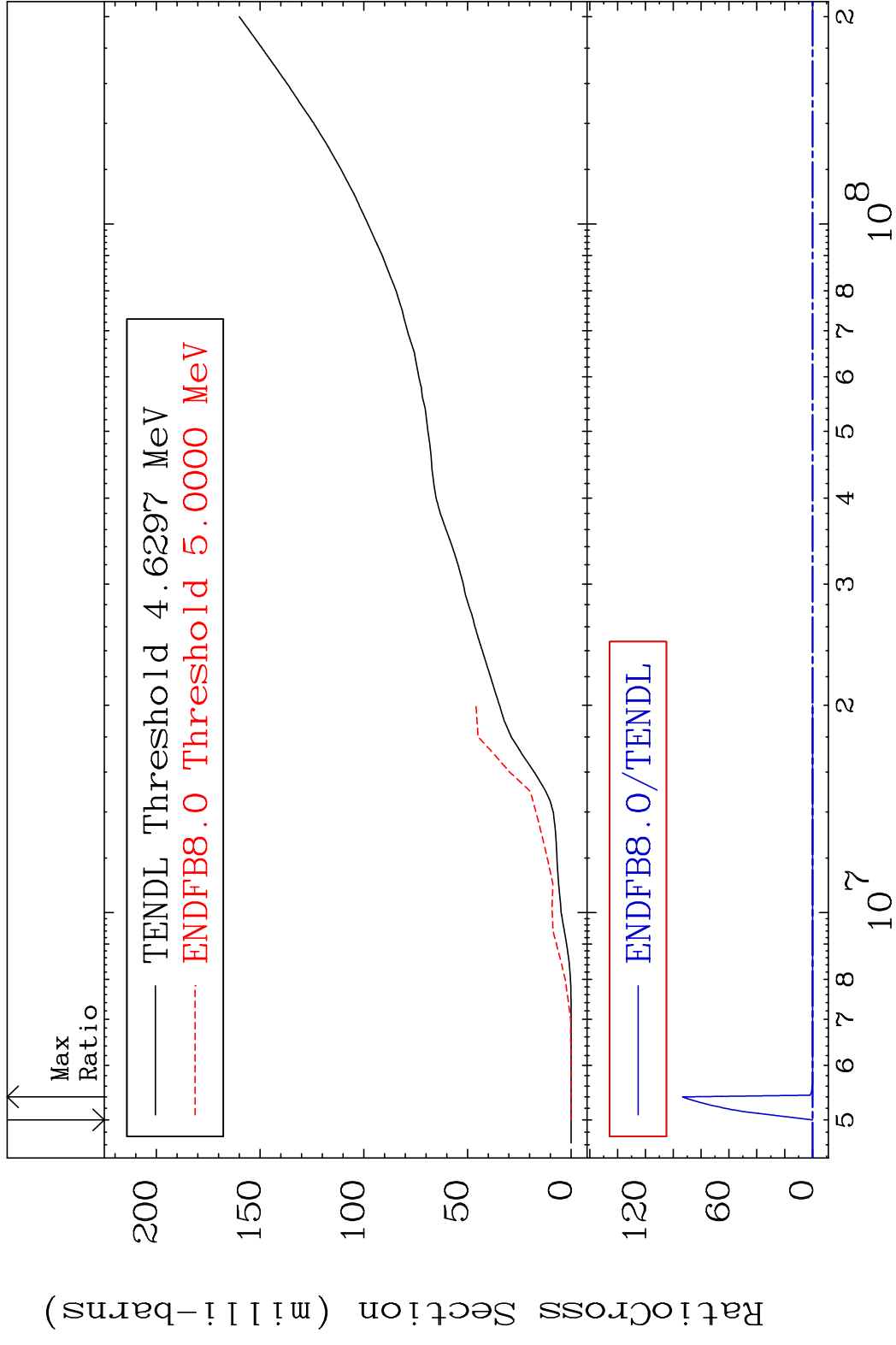


16

Incident Energy (eV)

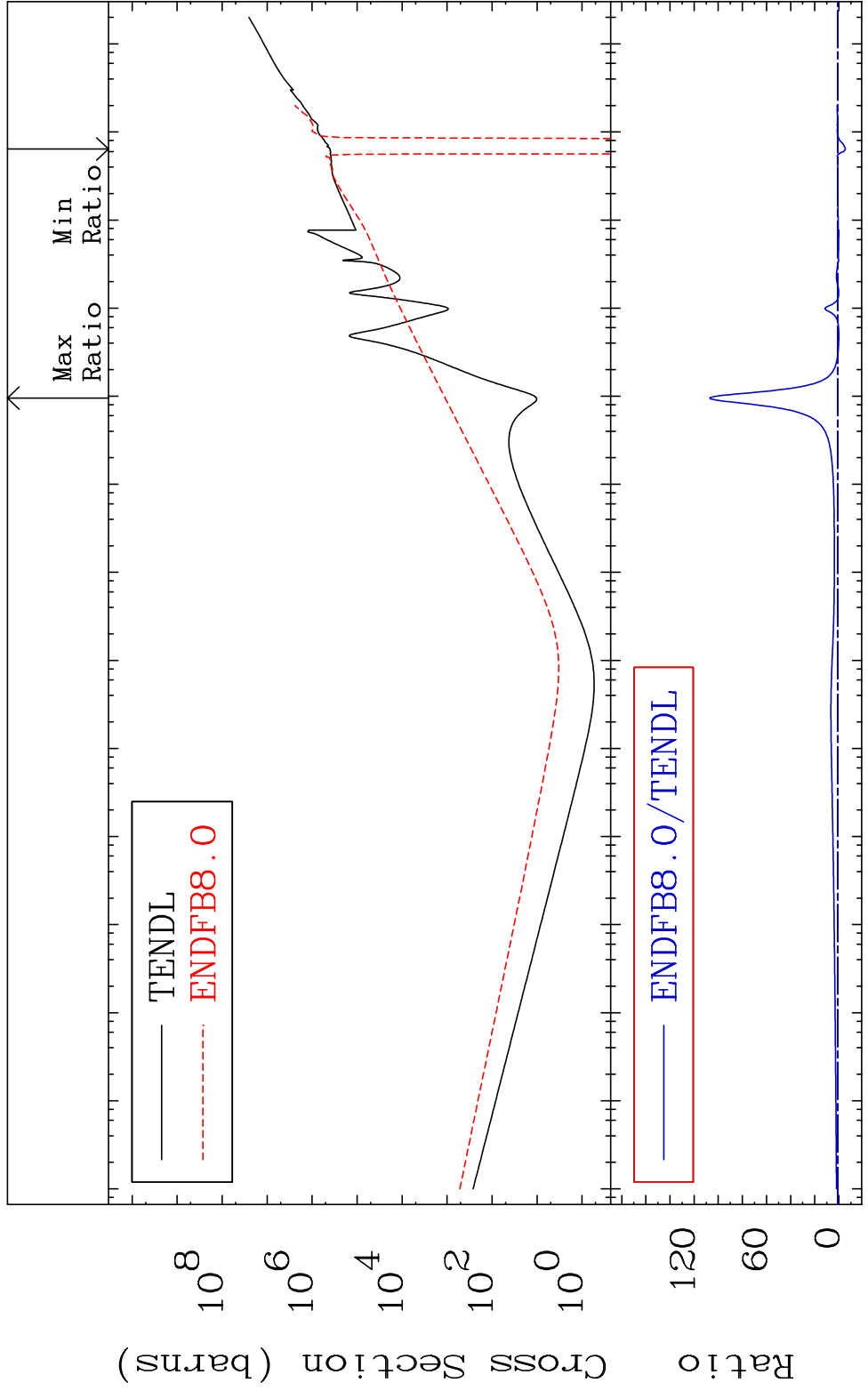
16-S -36

MAT 1637 He-4 Production 16-S -36  
 Cross Section -100.0 To 9999. %



17 16-S -36

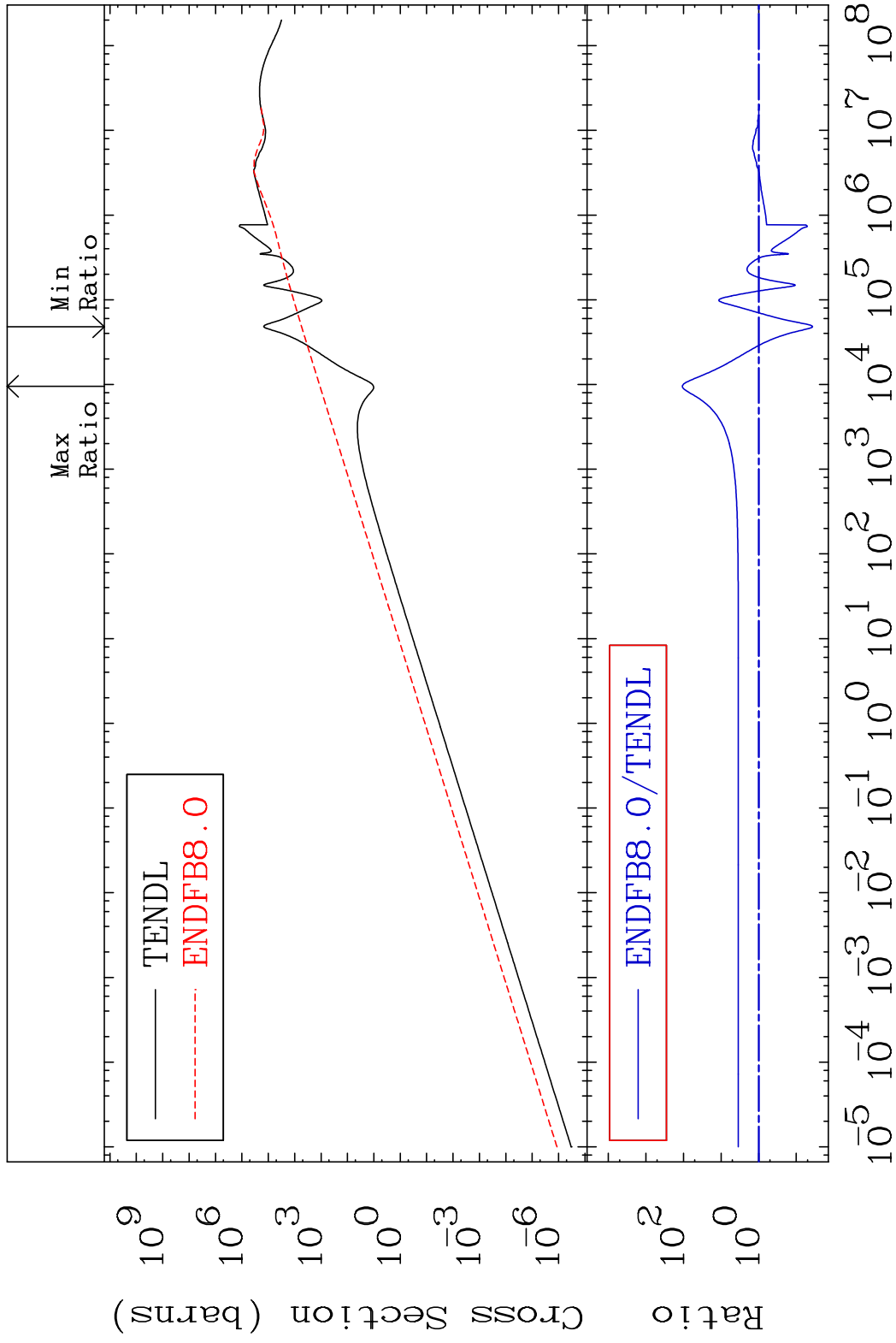
MAT 1637 Kerma total (eV-barns) 16-S -36  
 Cross Section -627.3 To 9999. %



18 Incident Energy (eV) 16-S -36

MAT 1637

Kerma elastic Cross Section -96.31 To 9999. %  
16-S -36

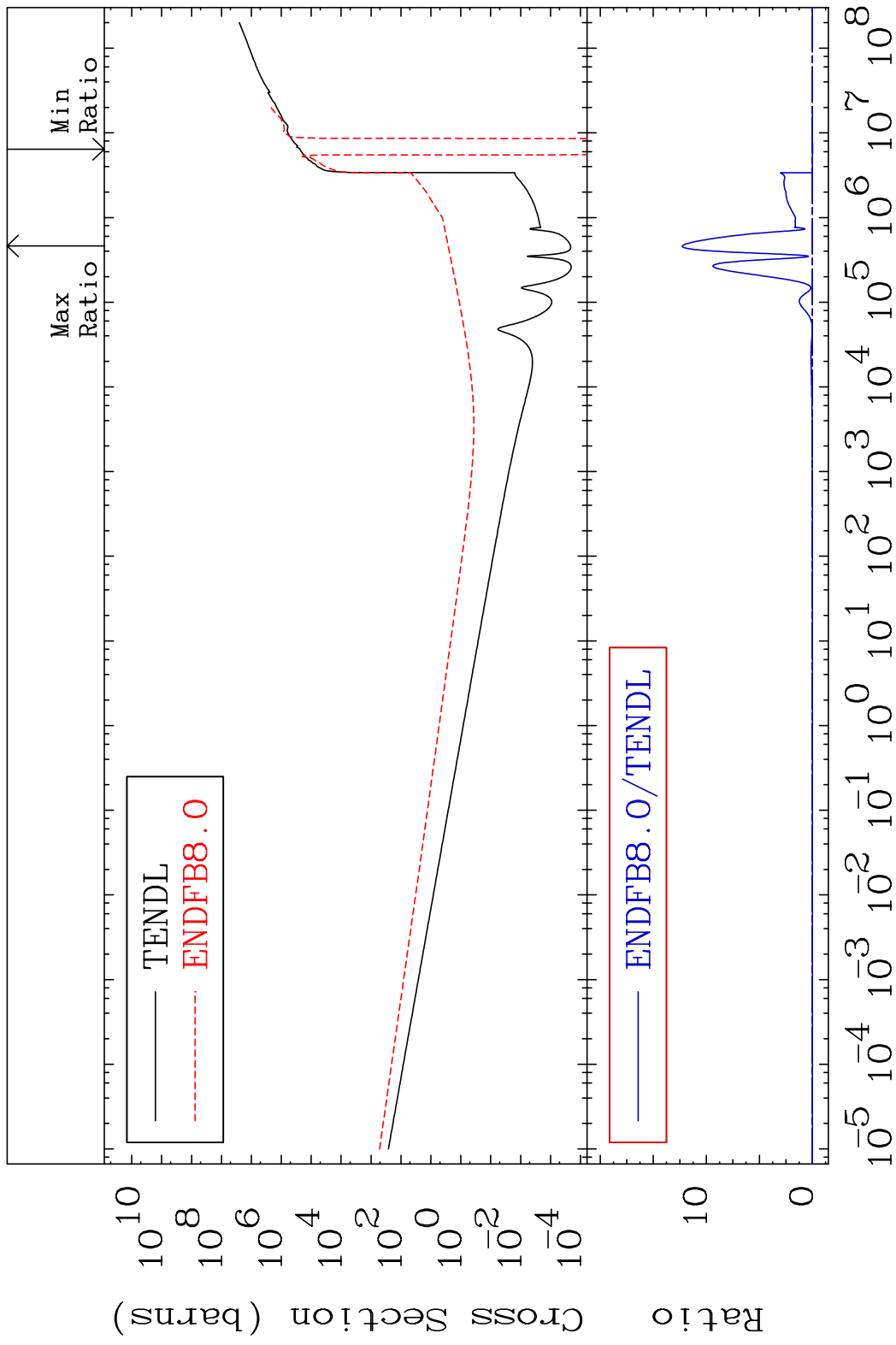


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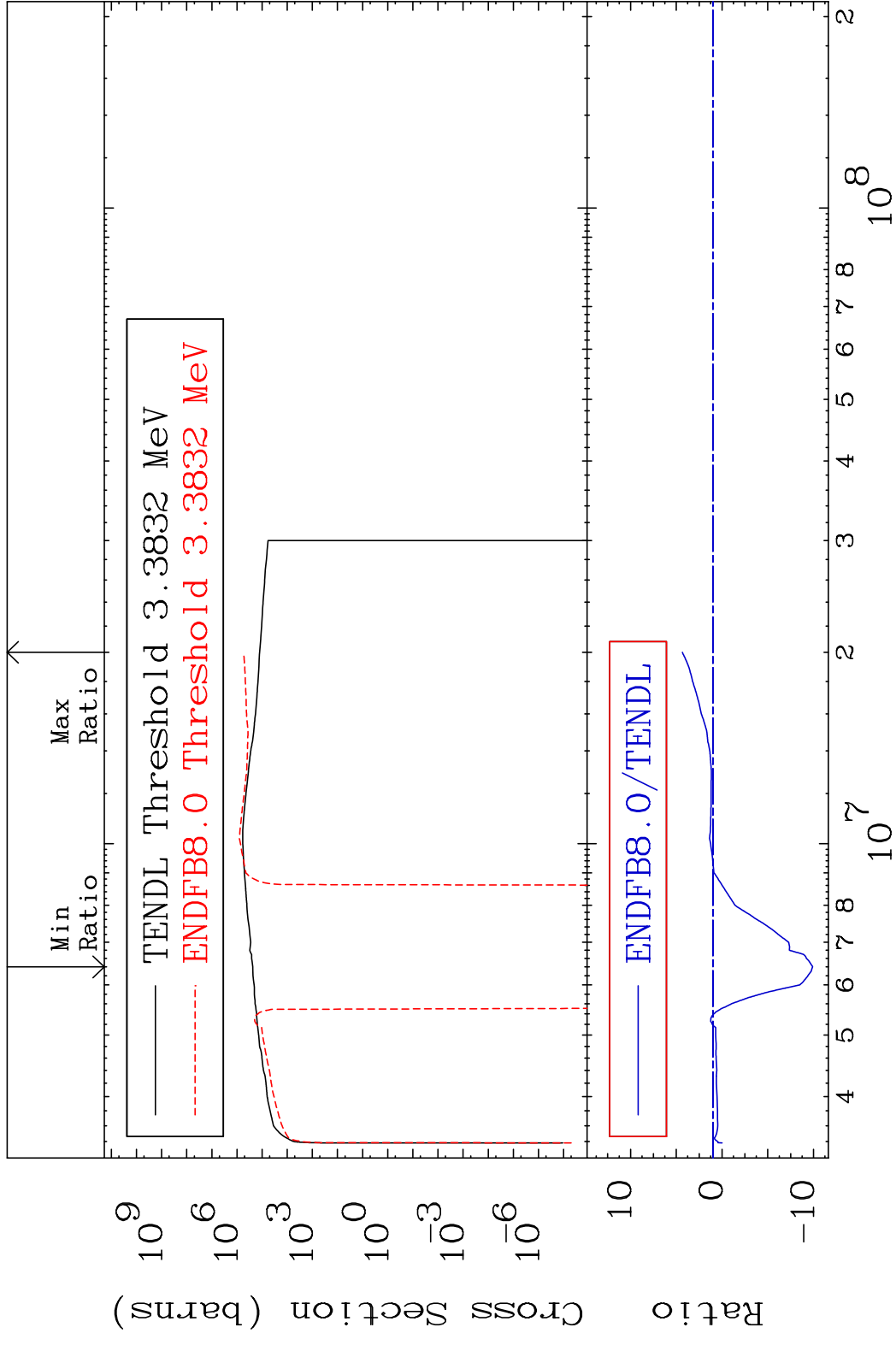
Incident Energy (eV)

16-S -36

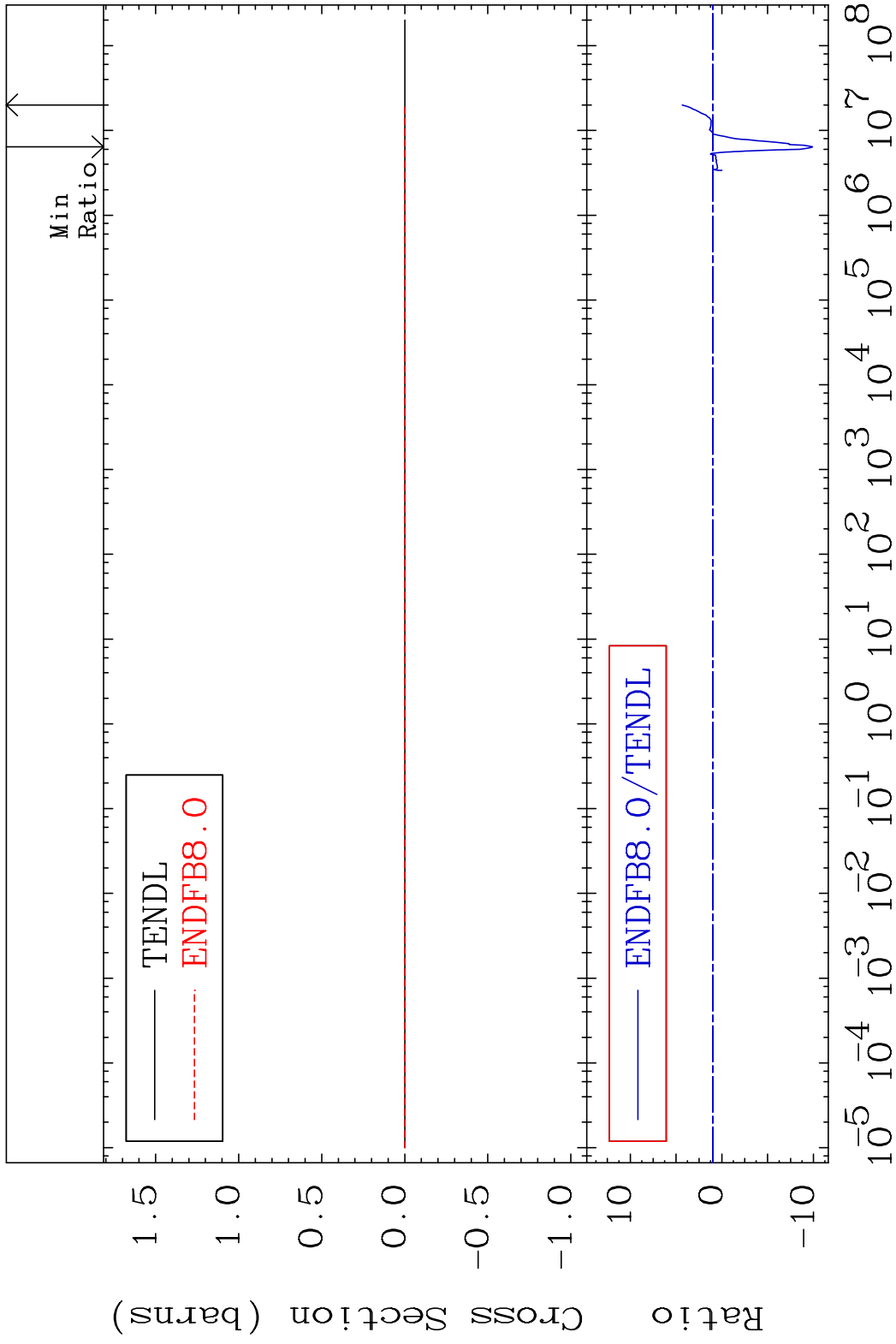
MAT 1637 Kerma non-elastic (all but mt2) 16-S -36  
 Cross Section -1089. To 9999. %



20 Incident Energy (eV) 16-S -36

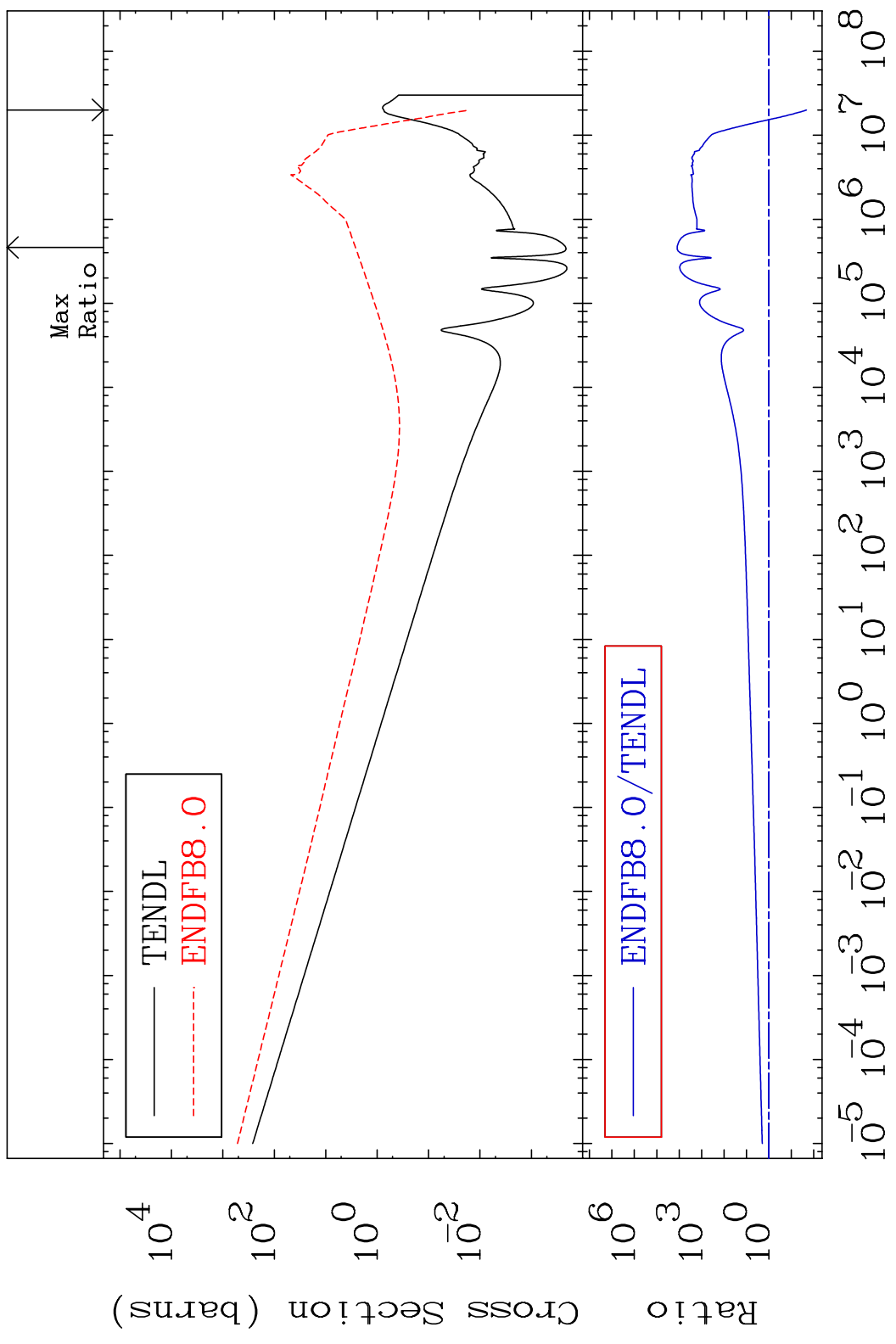


MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36  
 Cross Section -1089. To 333.9 %



MAT 1637

Kerma capture (mt102) 16-S -36  
Cross Section -97.88 To 9999. %



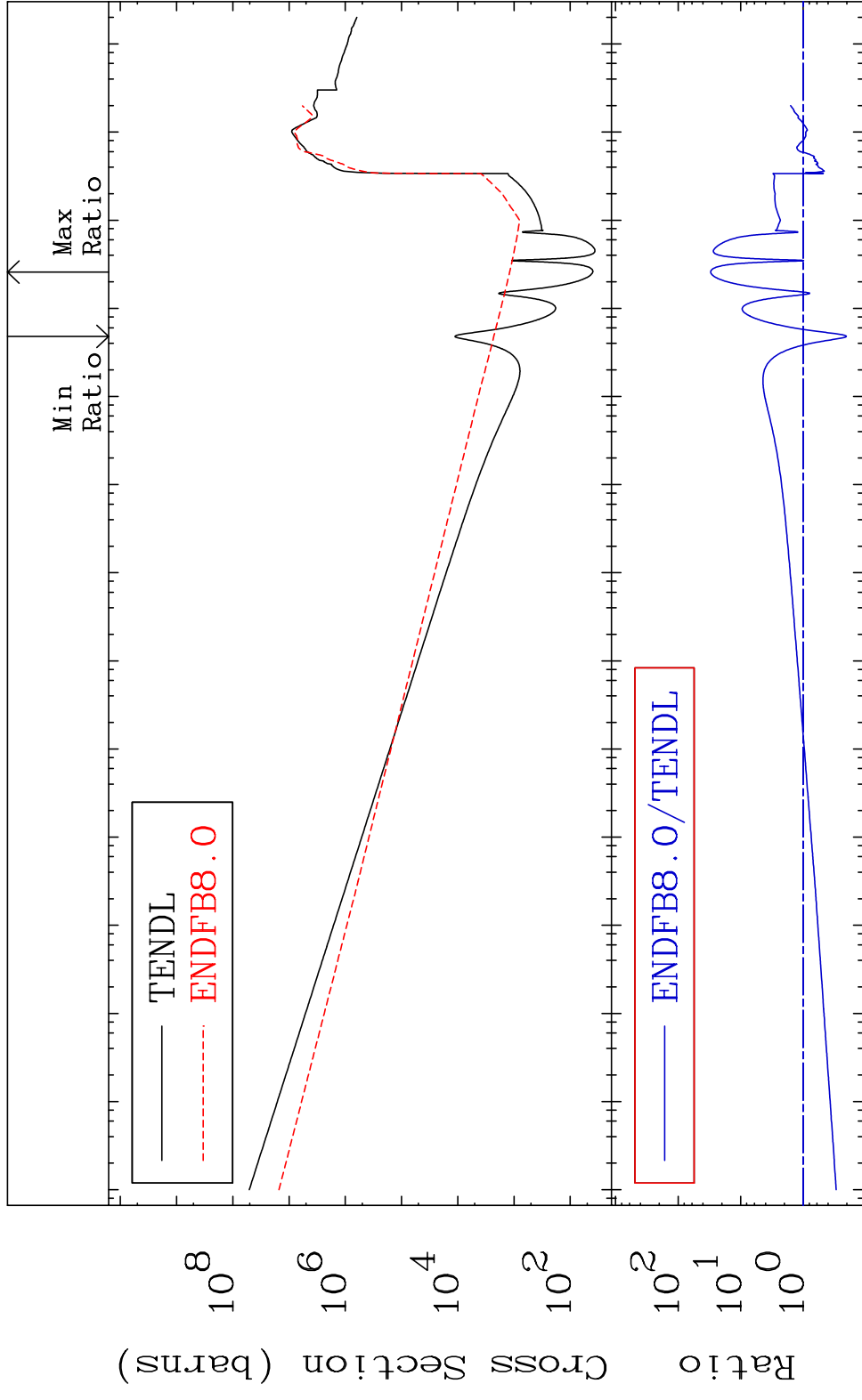
23

Incident Energy (eV) 16-S -36



MAT 1637

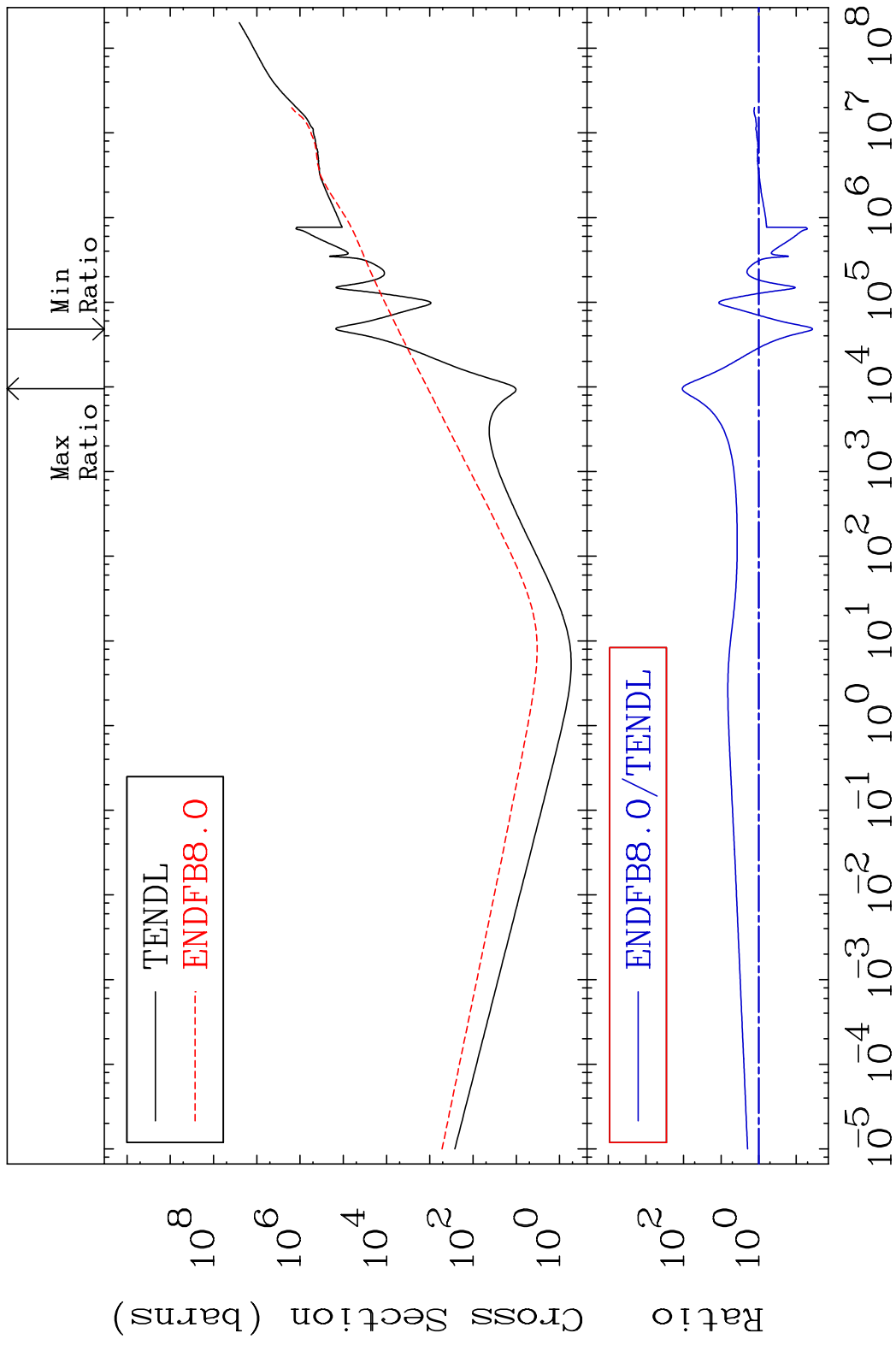
Total photon (eV-barns) 16-S -36  
Cross Section -79.61 To 2909. %



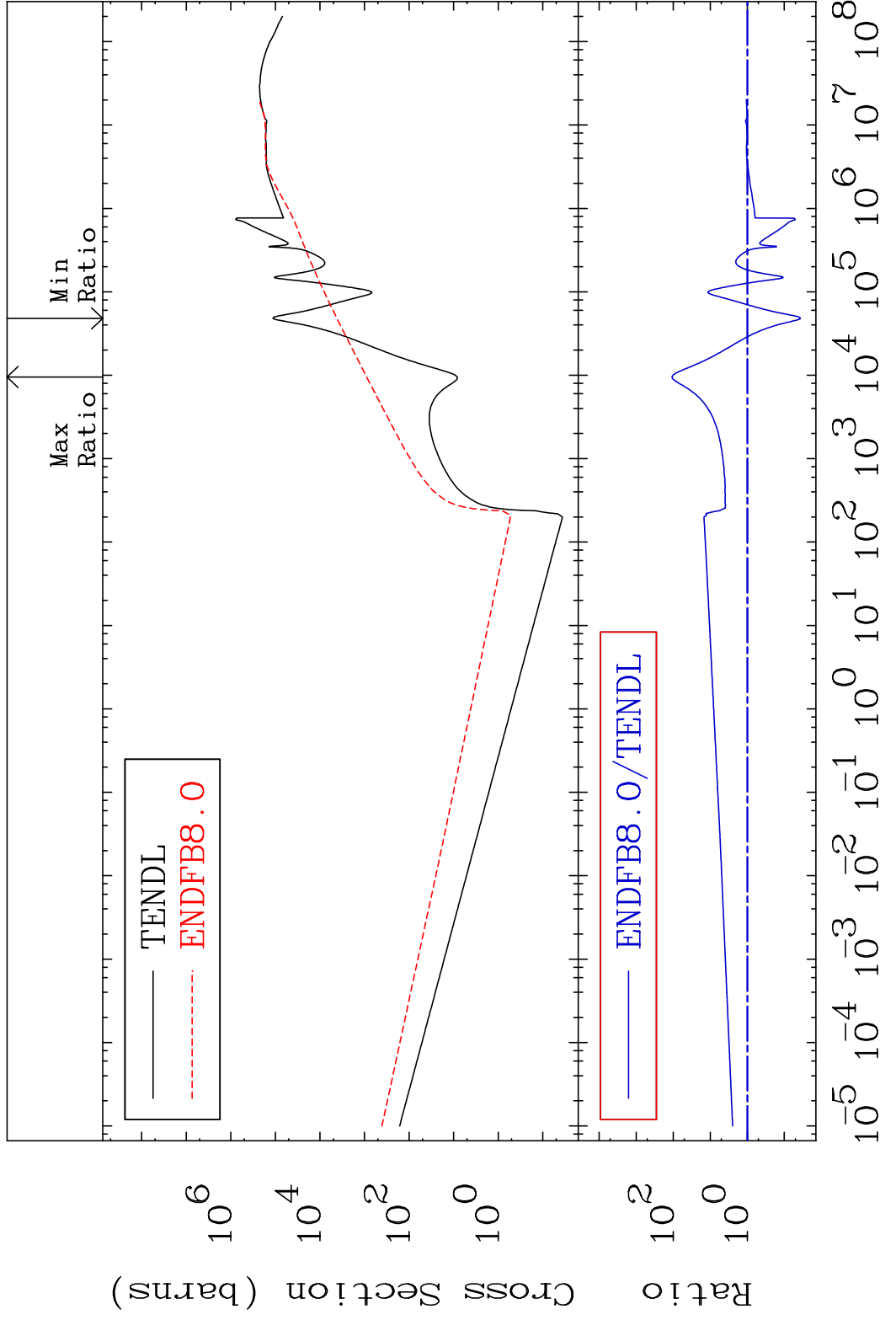
24

Incident Energy (eV) 16-S -36

MAT 1637 Total kinematic kerma (high limit) 16-S -36  
 Cross Section -96.31 To 9999. %



MAT 1637 Dpa total (eV-barns) 16-S -36  
 Cross Section -96.31 To 9999. %



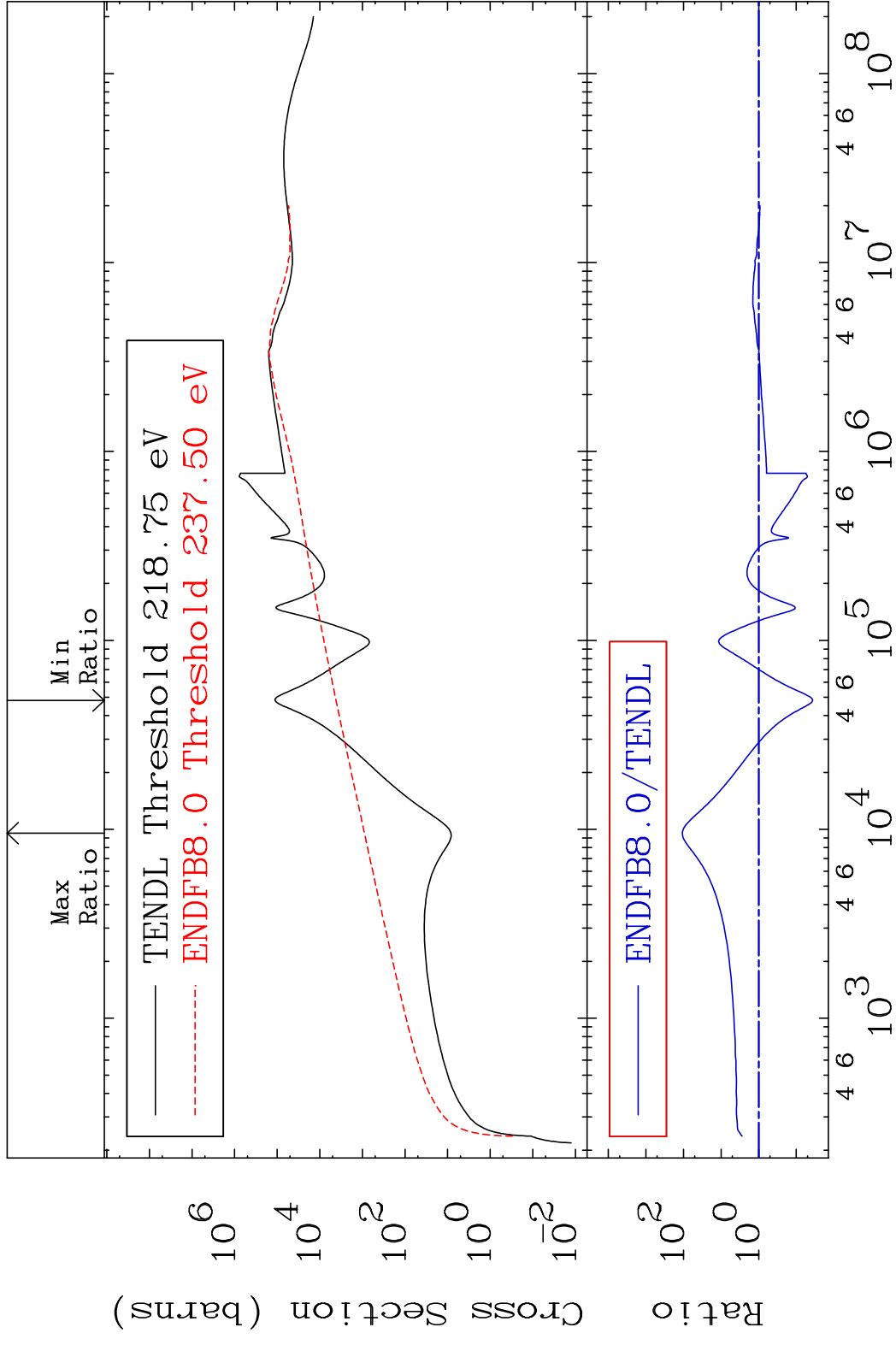
26 Incident Energy (eV) 16-S -36

MAT 1637

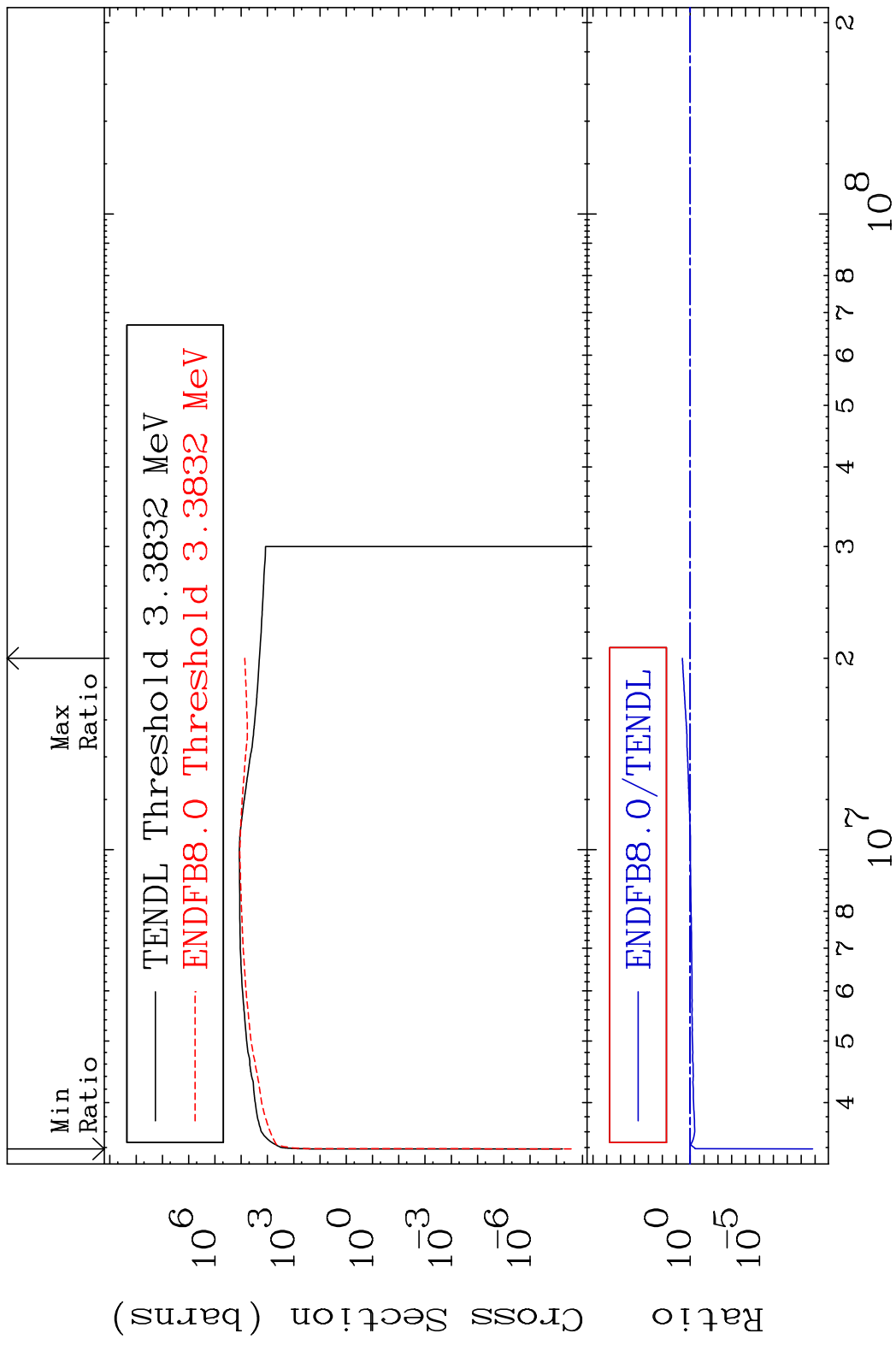
Dpa elastic (mt2)

16-S -36

Cross Section -96.31 To 9999. %



MAT 1637 Dpa inelastic (mt51-91) 16-S -36  
 Cross Section -100.0 To 260.6 %



MAT 1637 Dpa disappearance (mt102 -120) 16-S -36  
 Cross Section 0.317 To 9999. %

