

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

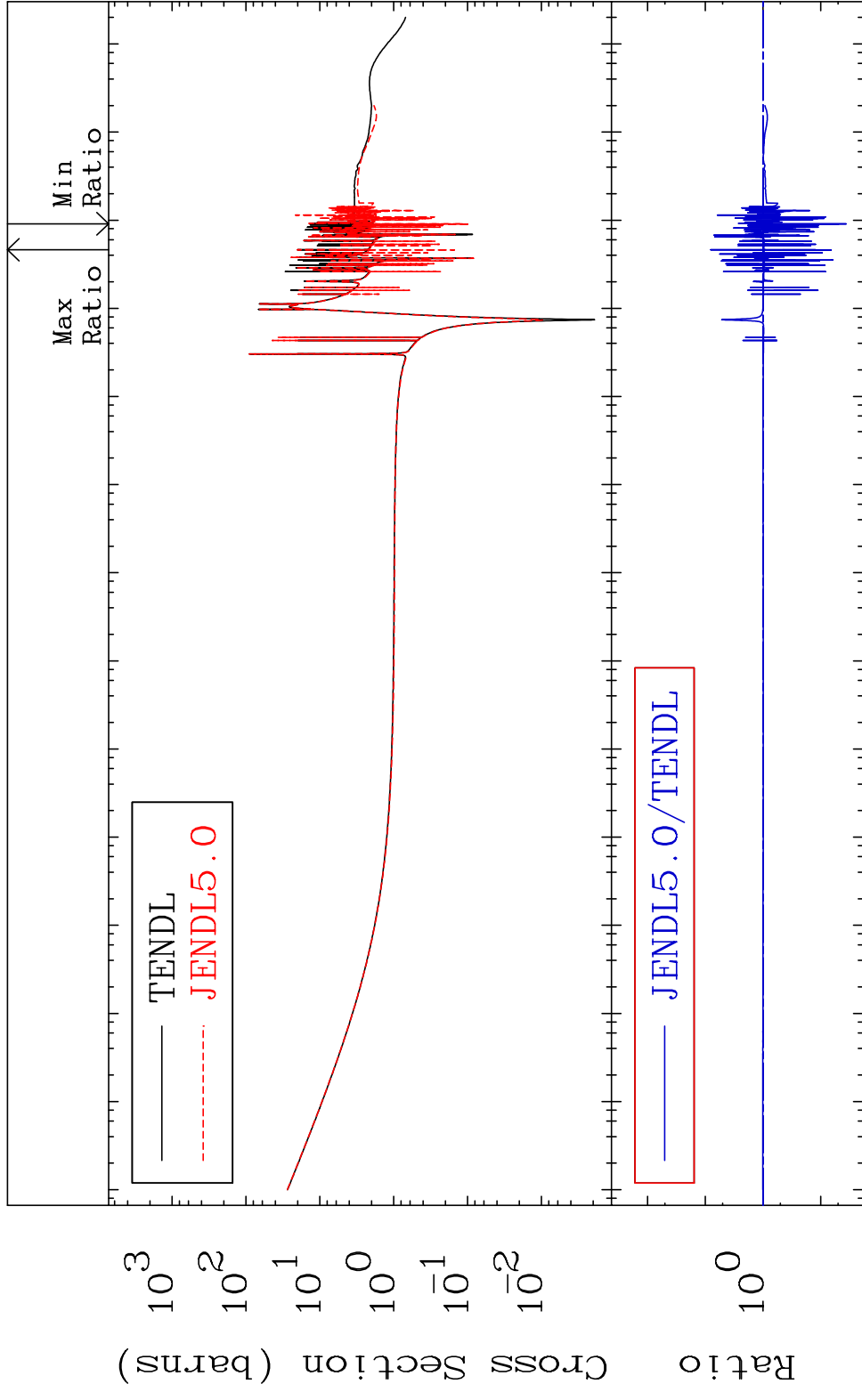
MAT 1625

Total

16-S -32

Cross Section

-96.42 To 705.0 %



Cross Section (barns)

Ratio

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>0</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>

1

Incident Energy (eV)

16-S -32

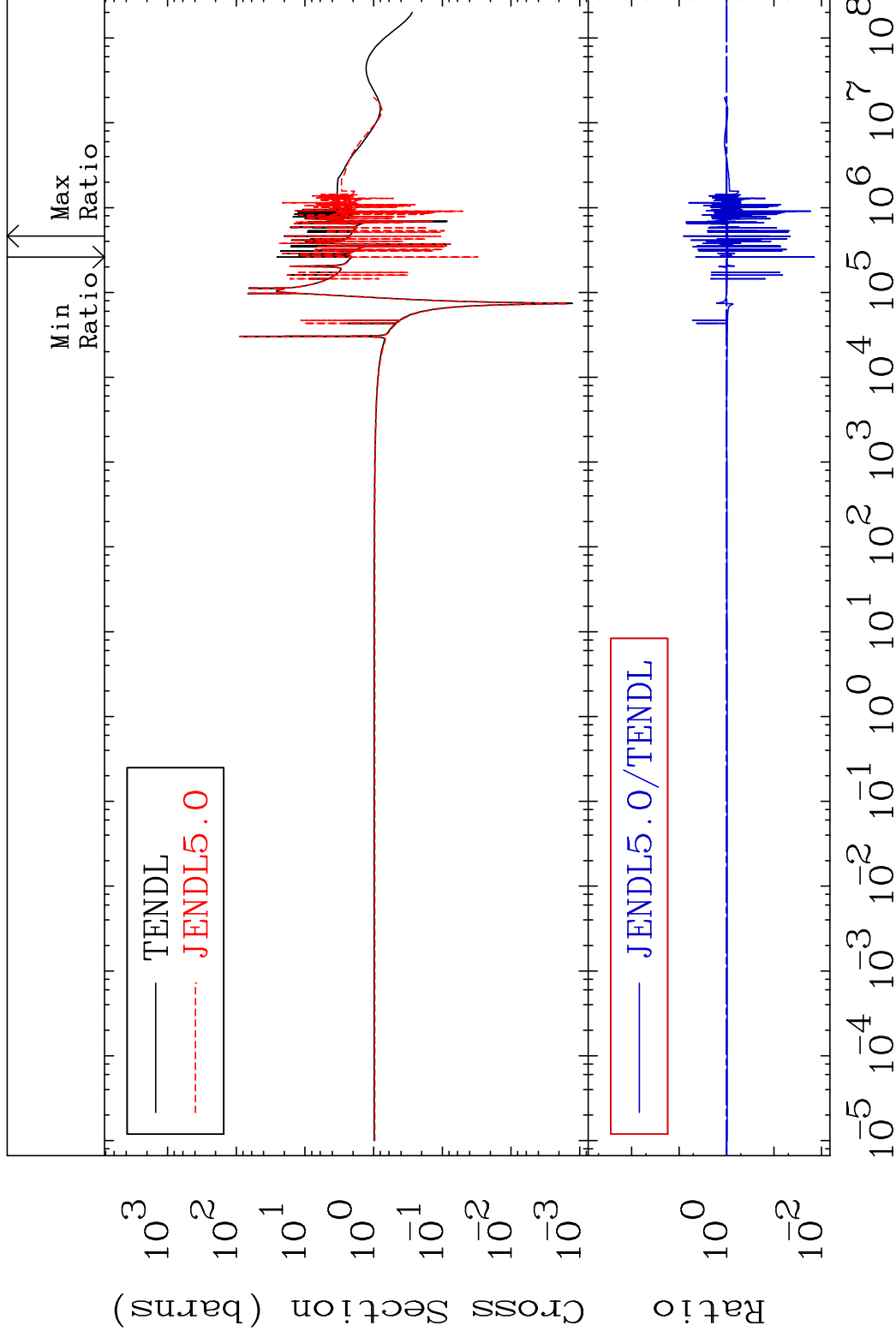
MAT 1625

Elastic

16-S -32

Cross Section

-98.57 To 701.3 %



2

Incident Energy (eV)

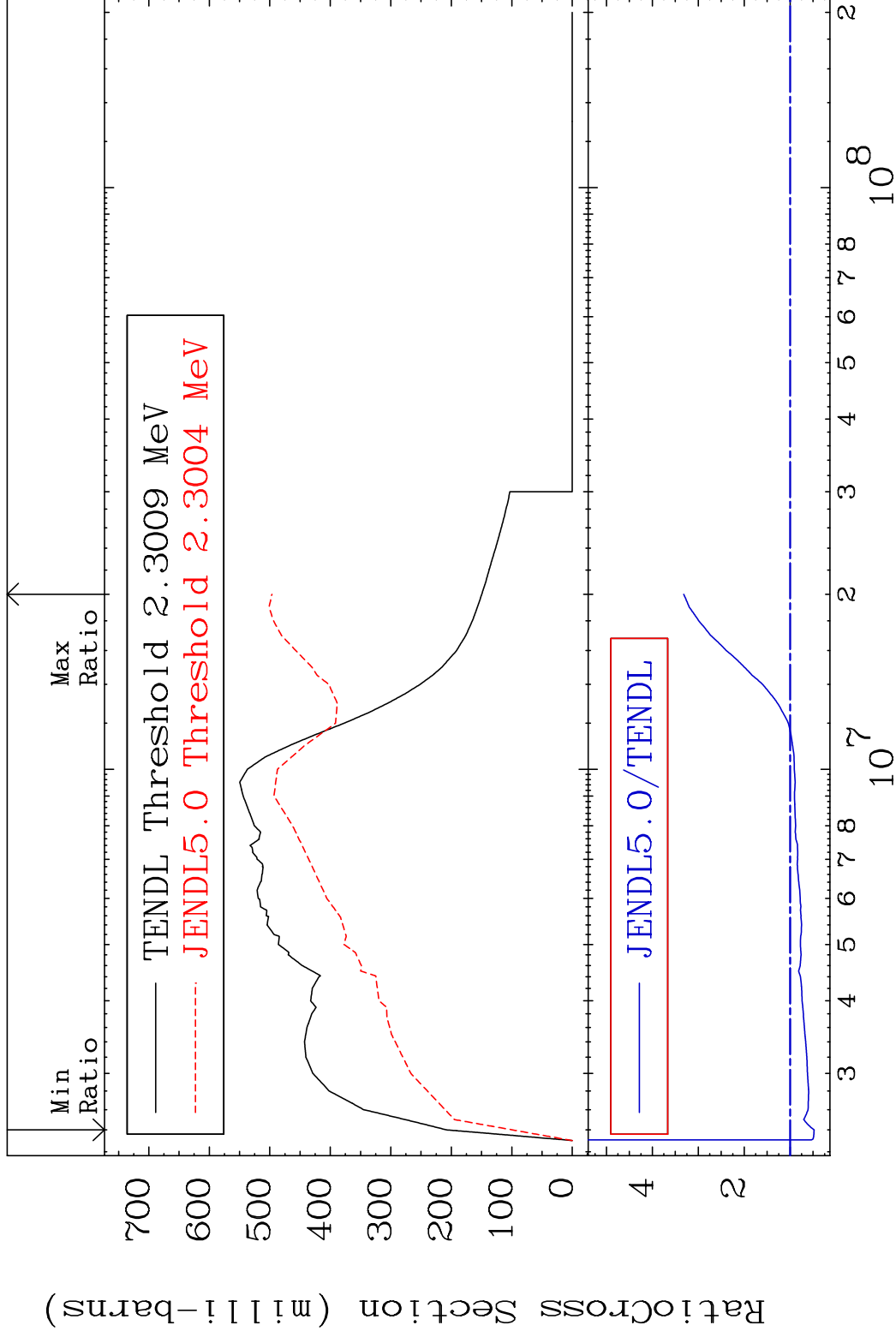
16-S -32

MAT 1625

Inelastic

16-S -32

Cross Section -52.22 To 231.8 %

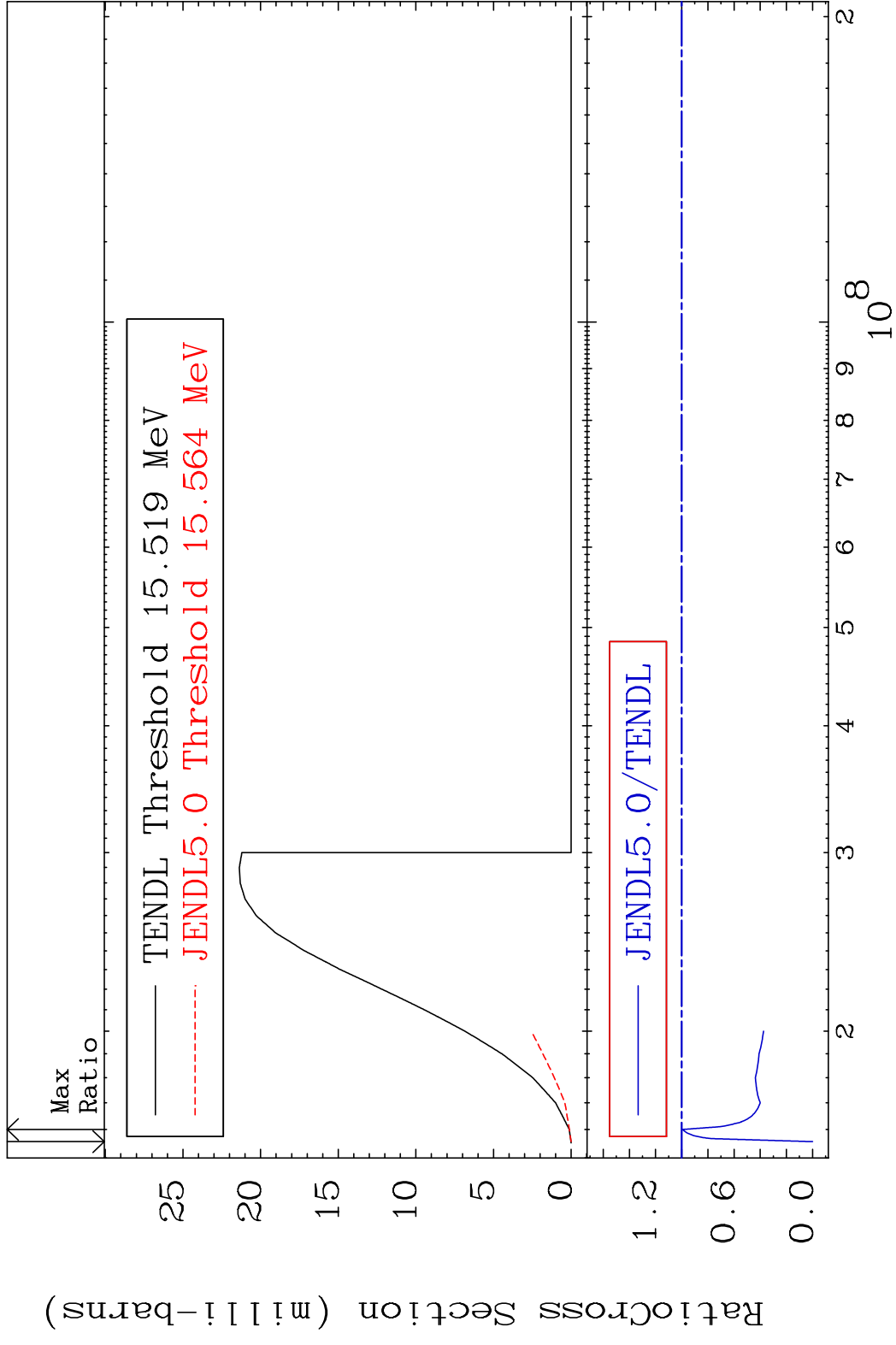


3

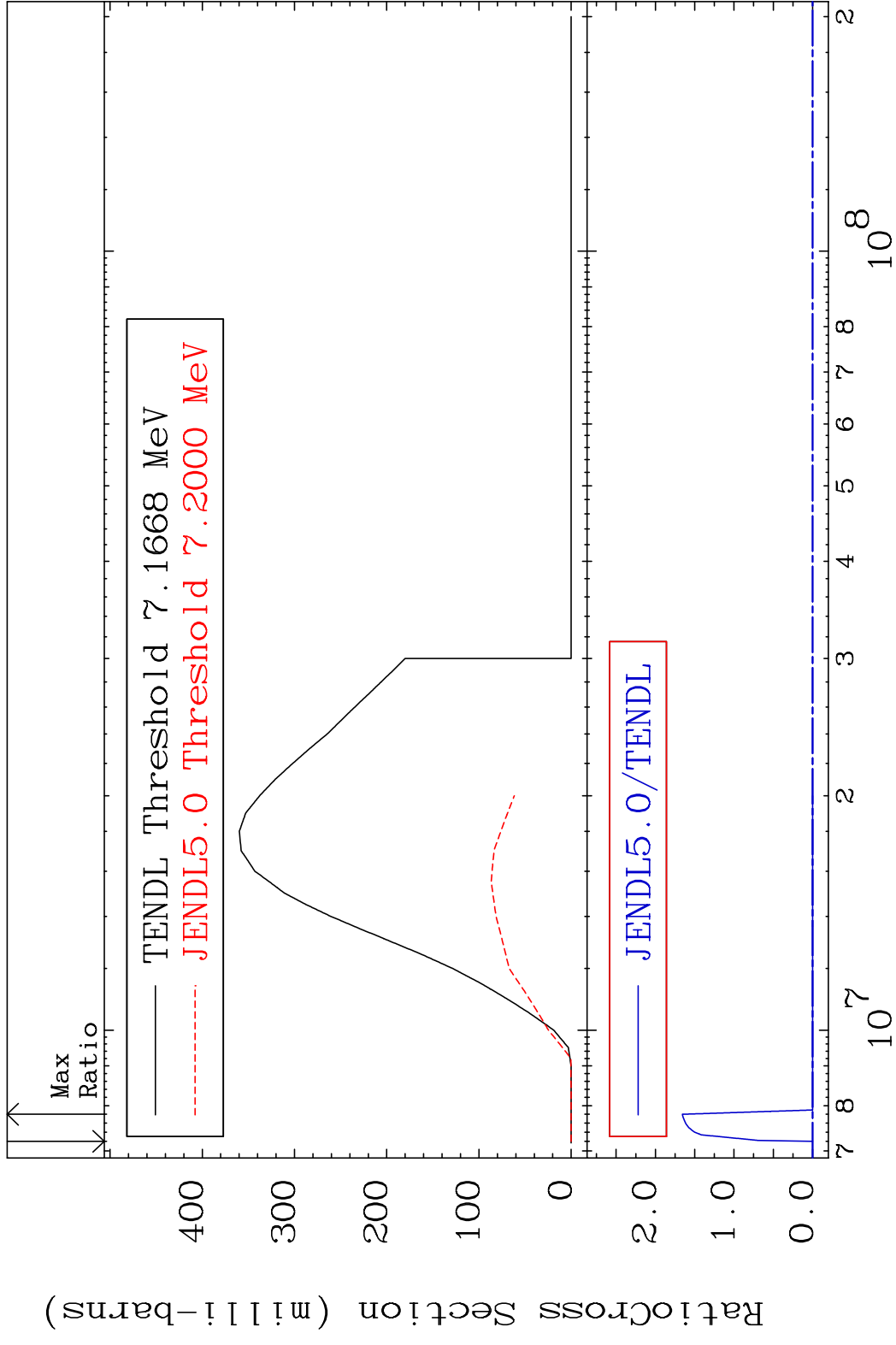
Incident Energy (eV)

16-S -32

MAT 1625 (n,2n) 16-S -32  
 Cross Section -100.0 To -0.491%

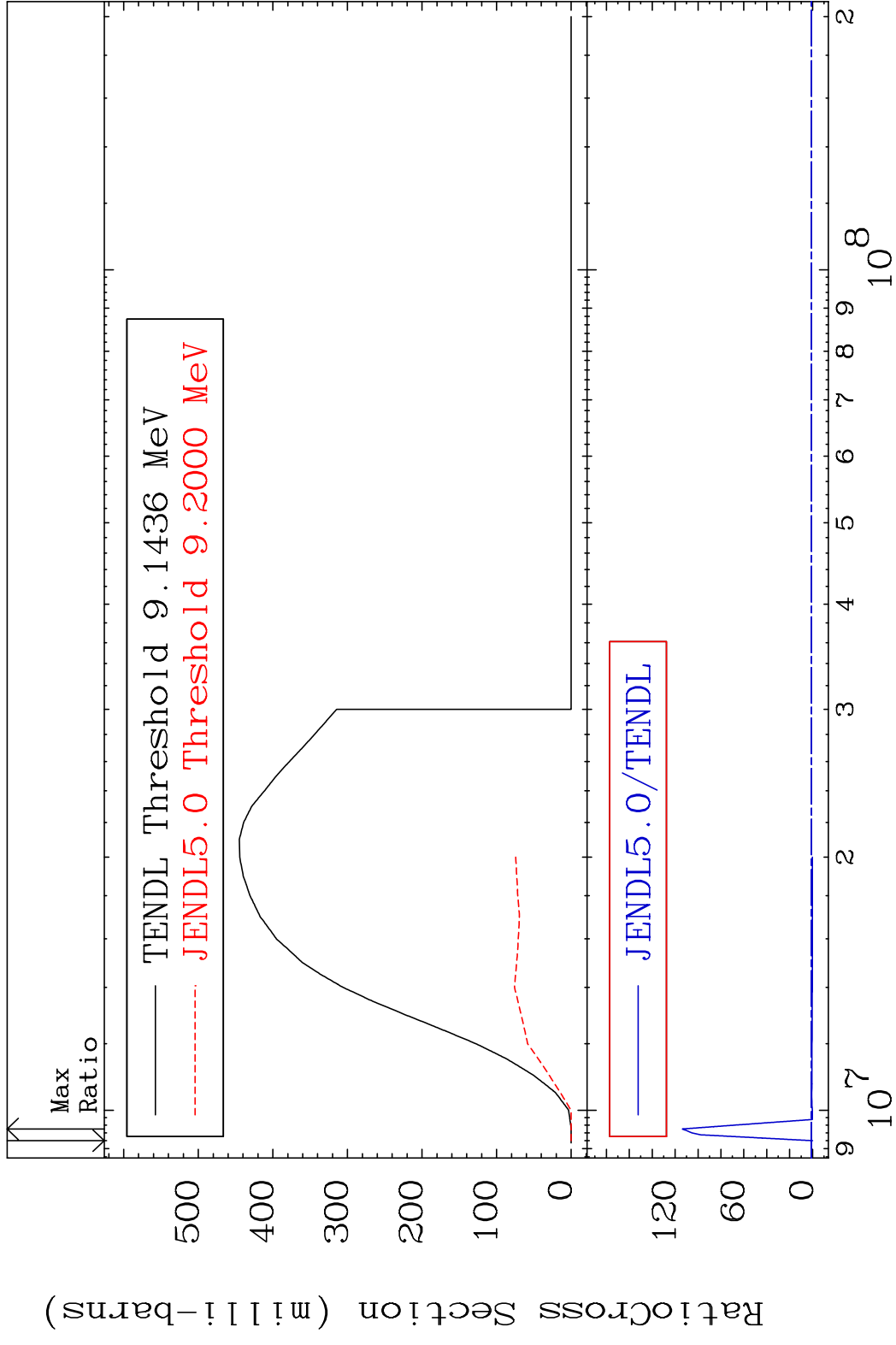


MAT 1625 (n, n')  $\alpha$  16-S -32  
 Cross Section -100.0 To 9999. %



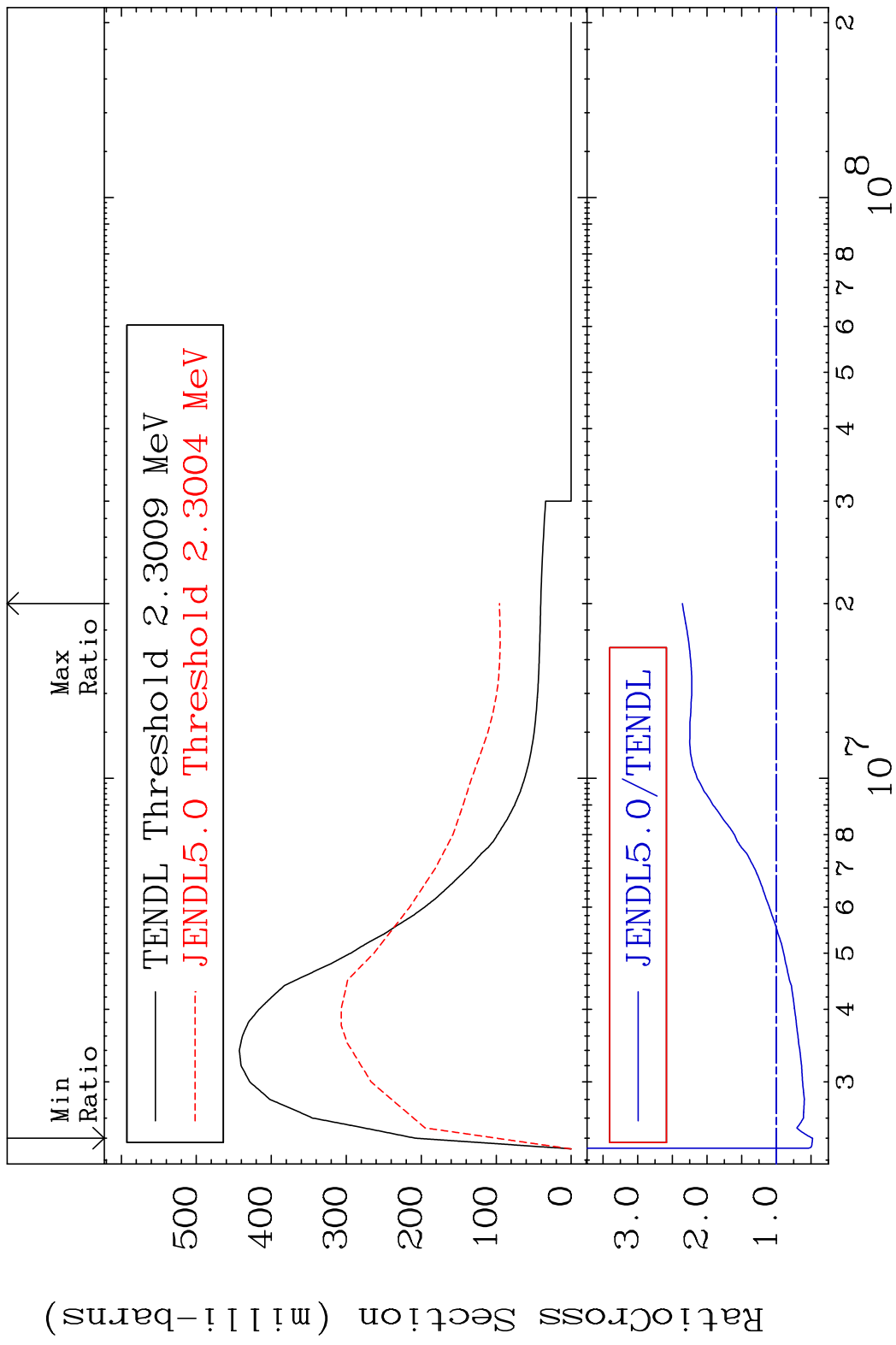
5 Incident Energy (eV) 16-S -32

MAT 1625 (n, n') p 16-S -32  
 Cross Section -100.0 To 9999. %



6 10 7 8 9 2  
 Incident Energy (eV) 16-S -32

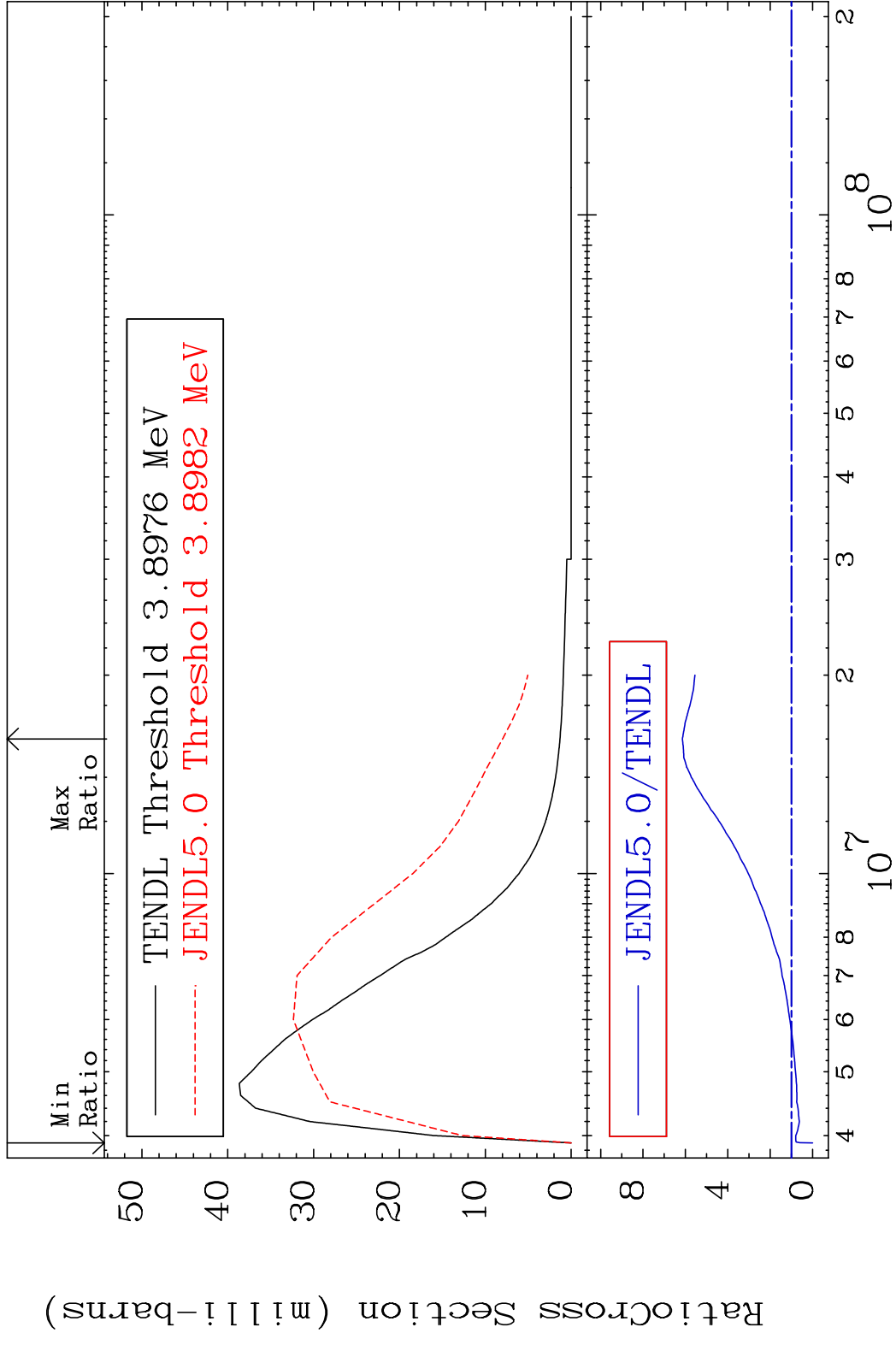
MAT 1625 MT= 51 (n, n') Level 16-S -32  
 Cross Section -52.22 To 135.5 %



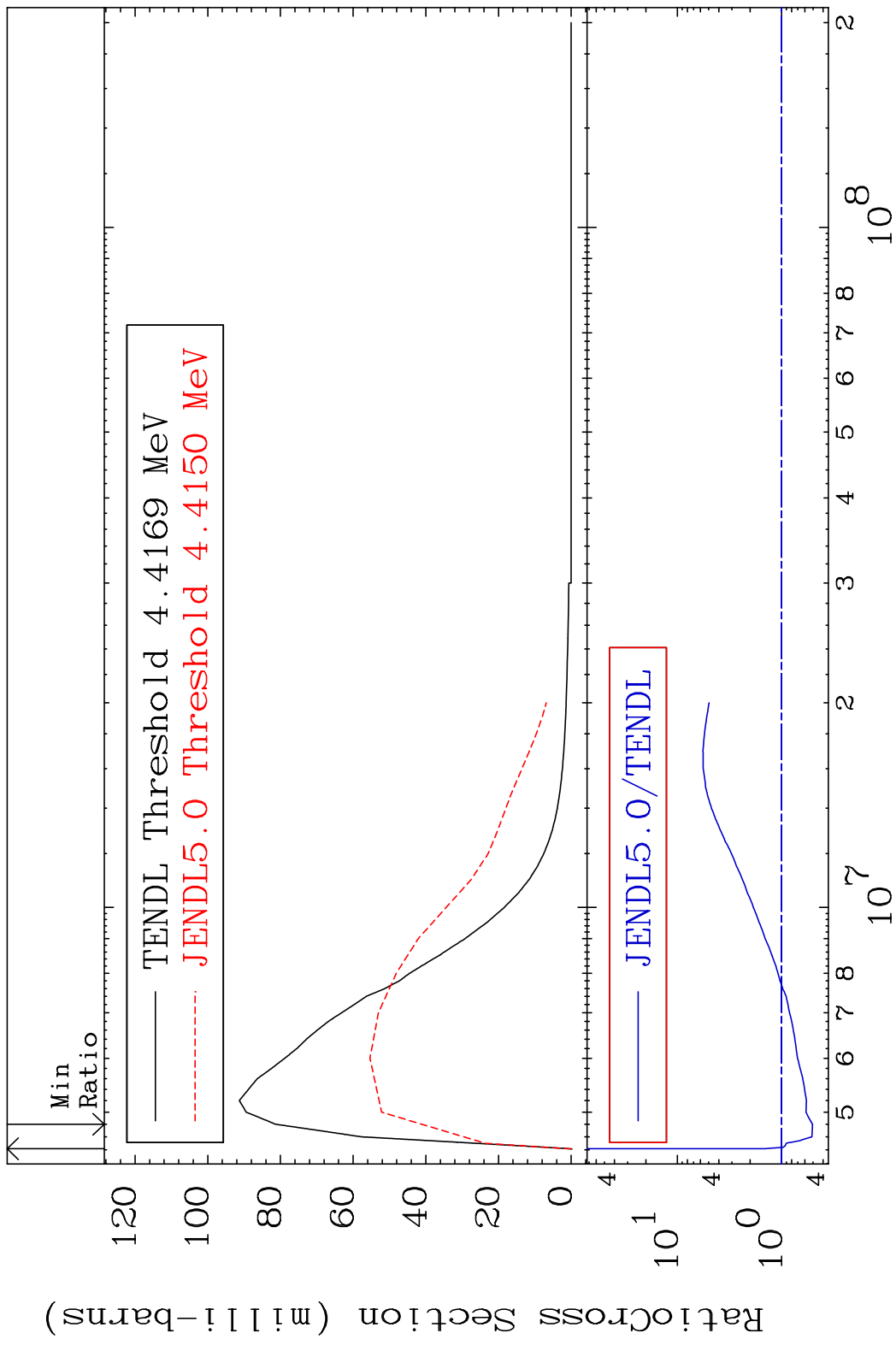
7 Incident Energy (eV) 16-S -32



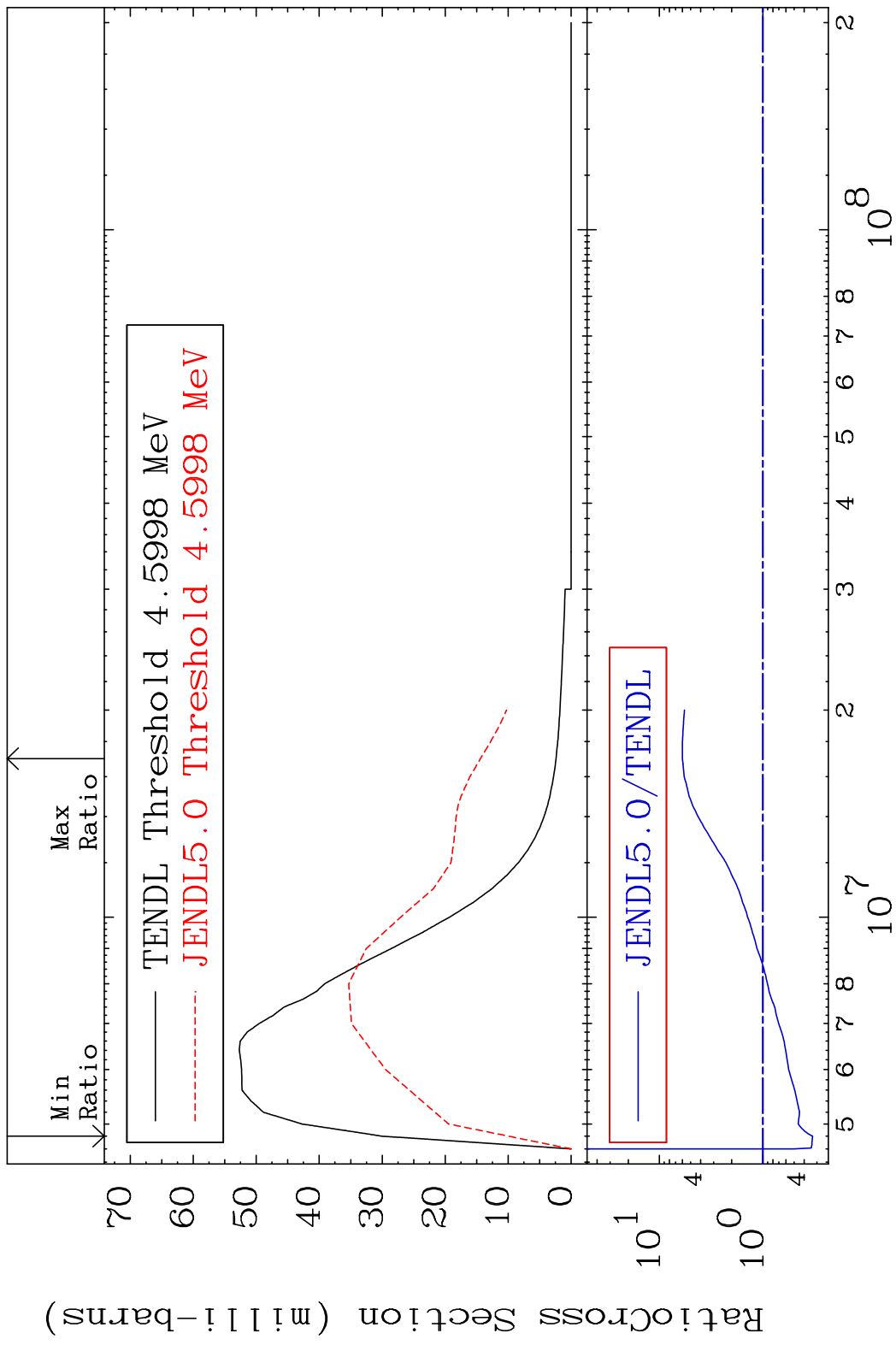
MAT 1625 MT= 52 (n,n') Level 16-S -32  
 Cross Section -100.0 To 514.4 %



MAT 1625 MT= 53 (n, n') Level 16-S -32  
 Cross Section -49.48 To 794.8 %

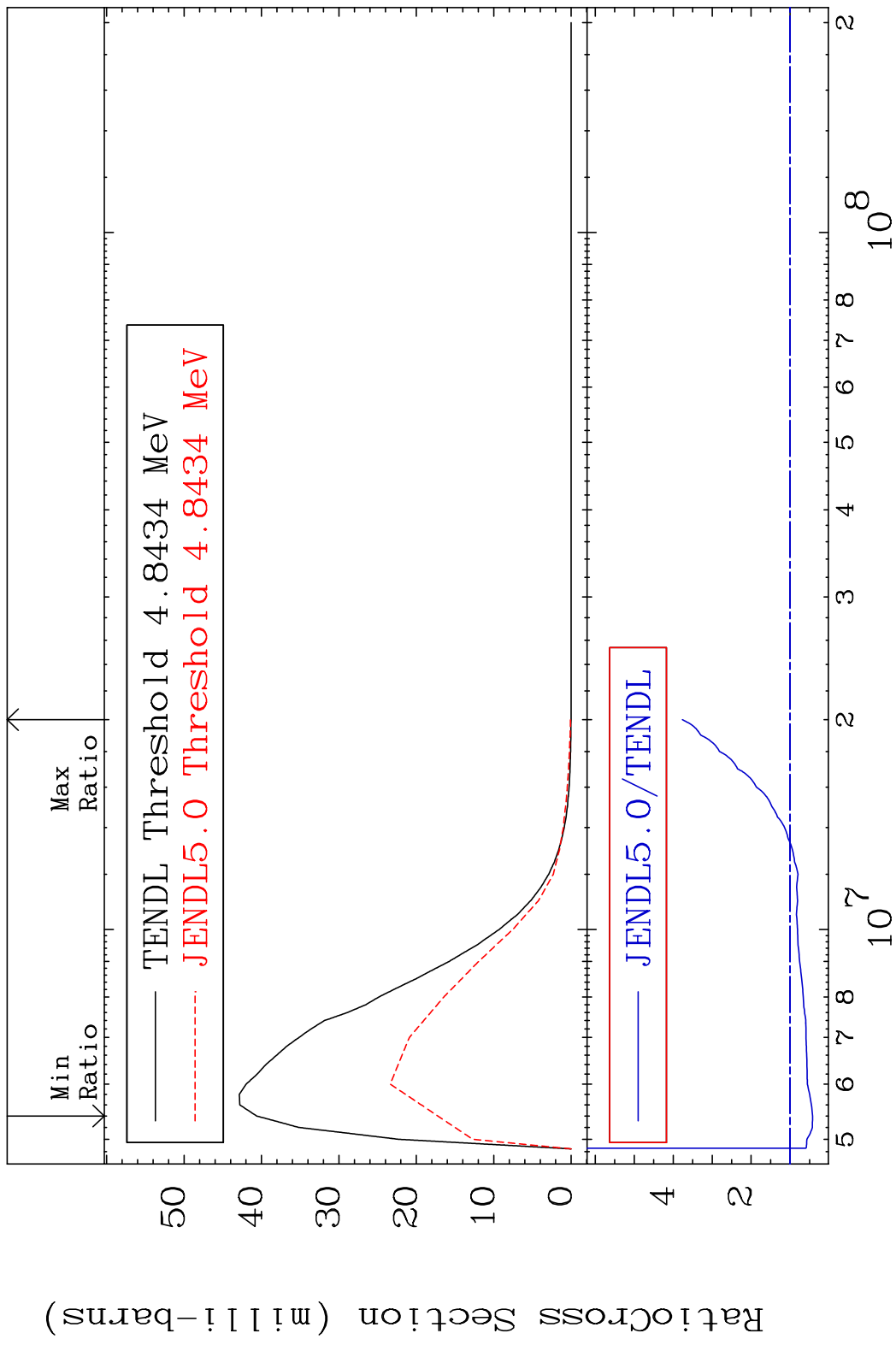


MAT 1625 MT= 54 (n,n') Level 16-S -32  
 Cross Section -66.89 To 500.5 %

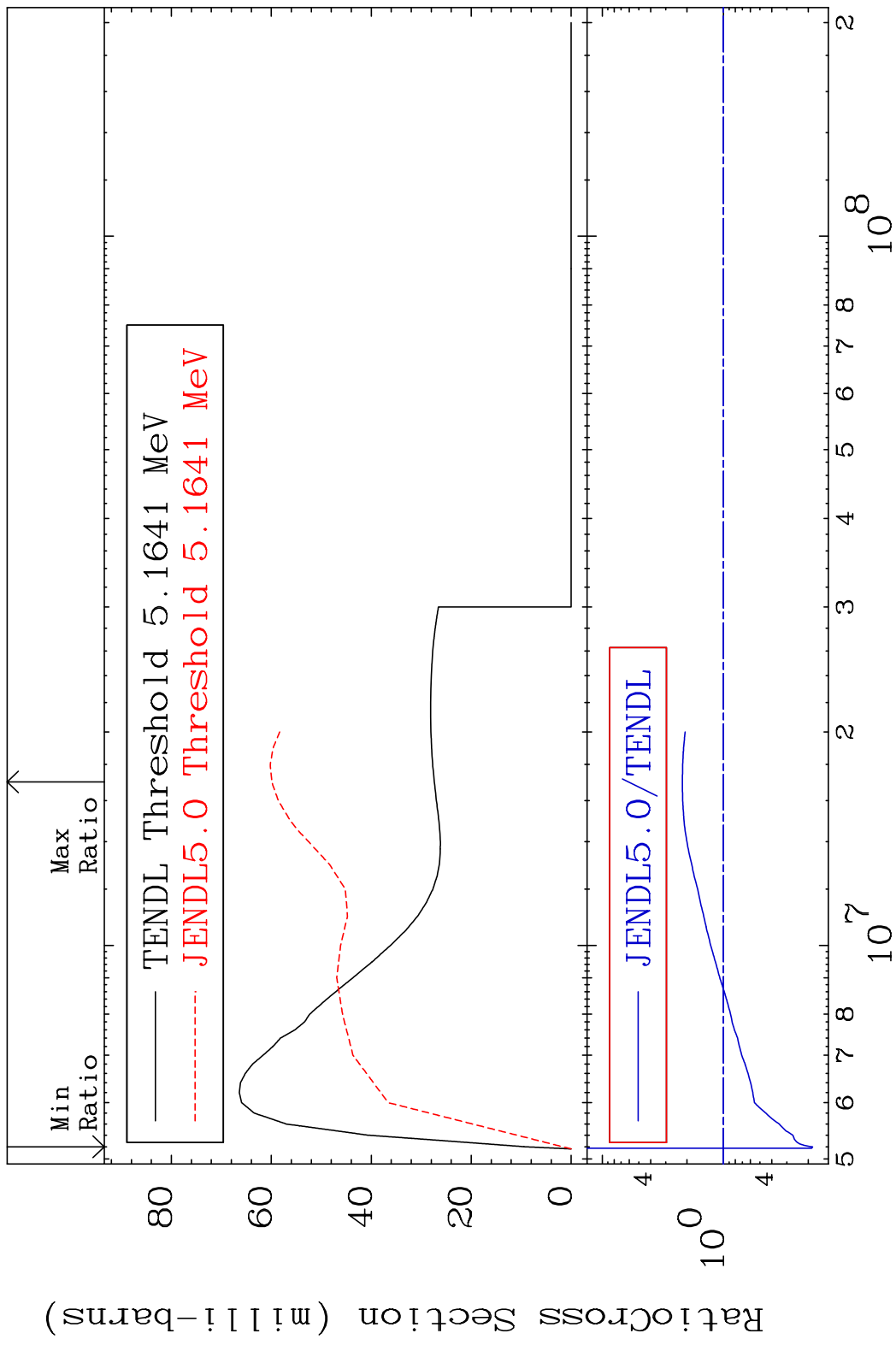


10 Incident Energy (eV) 16-S -32

MAT 1625 MT= 55 (n,n') Level 16-S -32  
 Cross Section -57.62 To 276.5 %

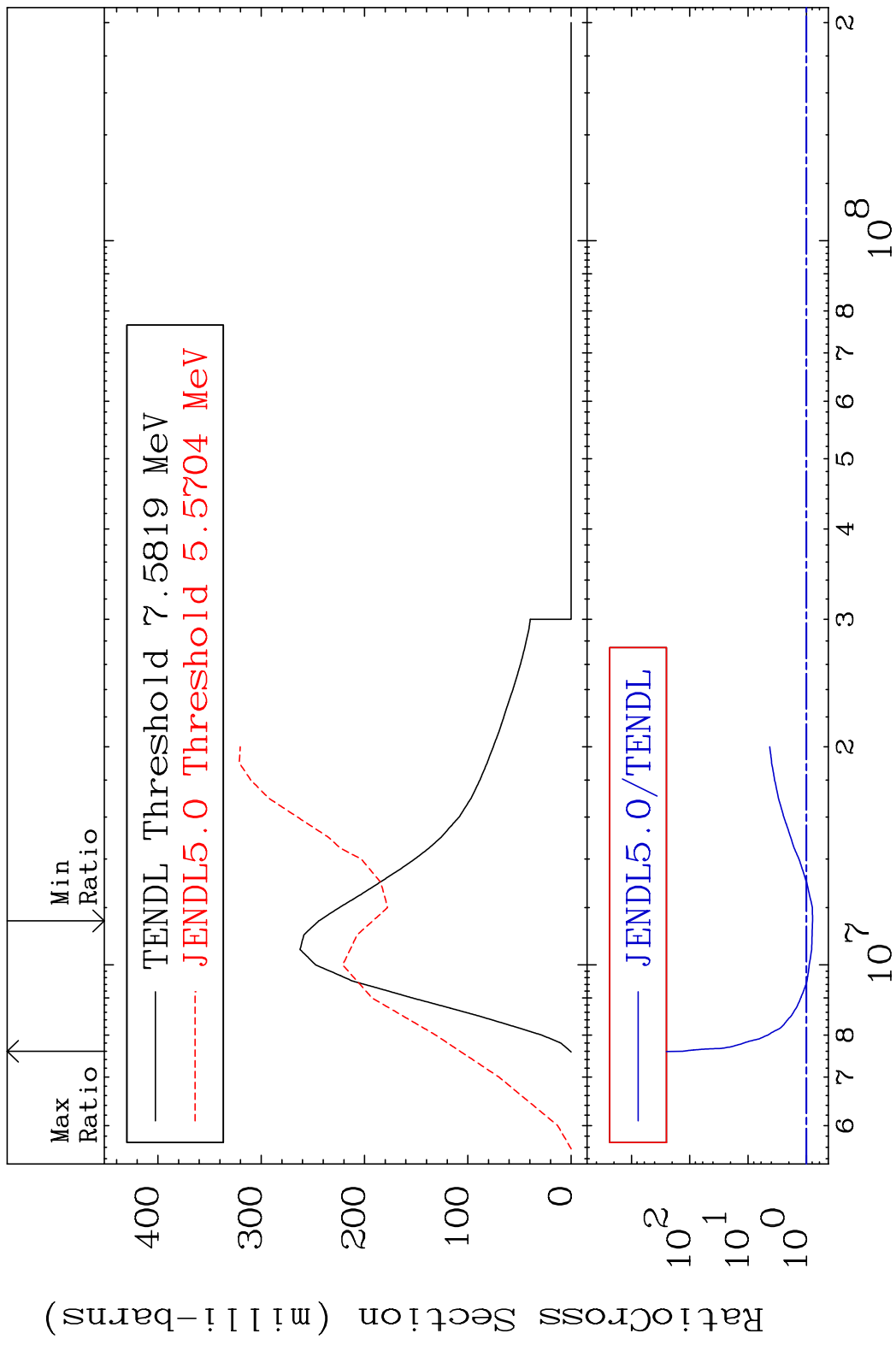


MAT 1625 MT= 56 (n,n') Level 16-S -32  
 Cross Section -81.59 To 118.7 %



12 Incident Energy (eV) 16-S -32

MAT 1625 (n,n') Continuum 16-S -32  
 Cross Section -21.39 To 9999. %

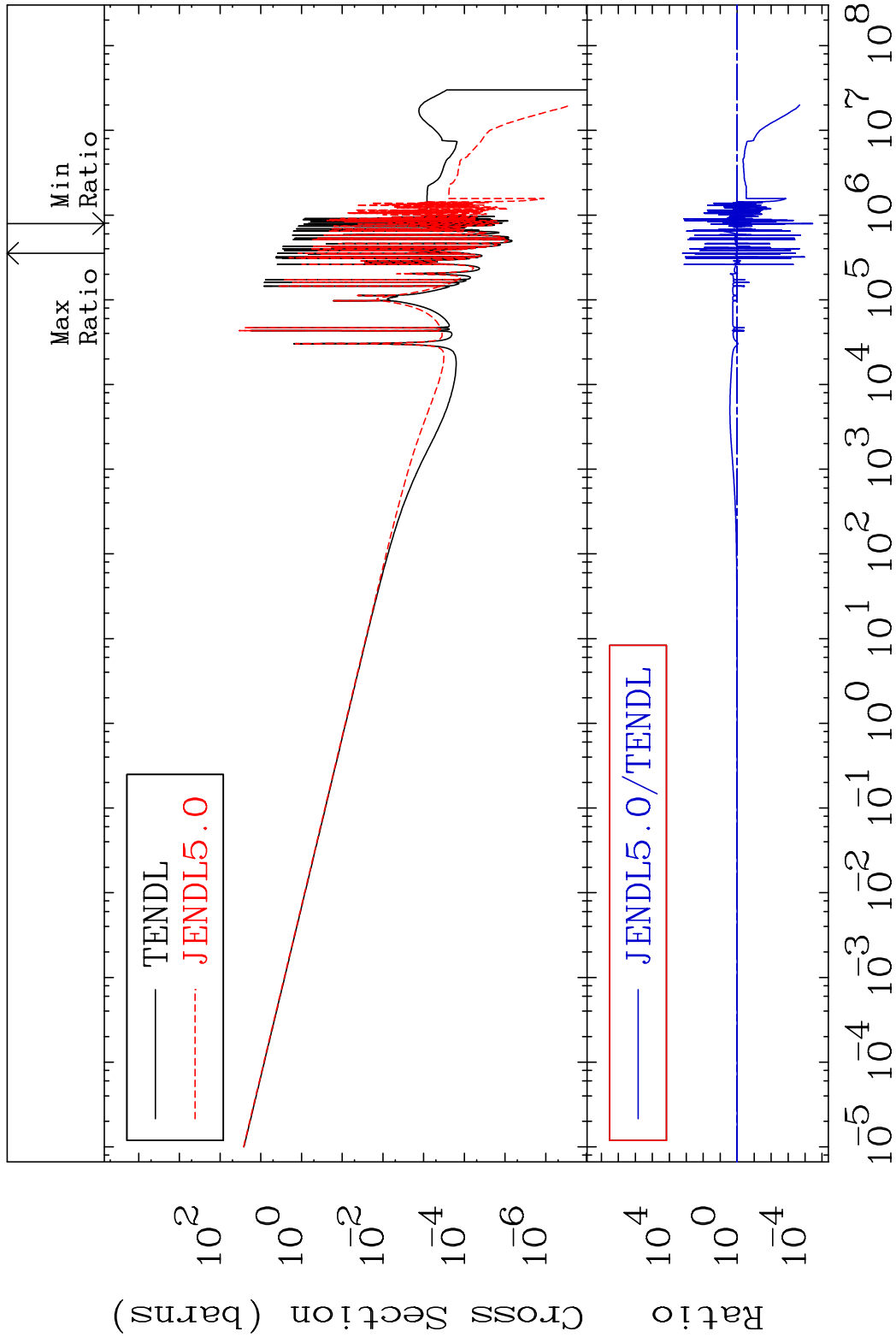


MAT 1625

(n,  $\gamma$ )

16-S -32

Cross Section -100.0 To 9999. %



14

Incident Energy (eV)

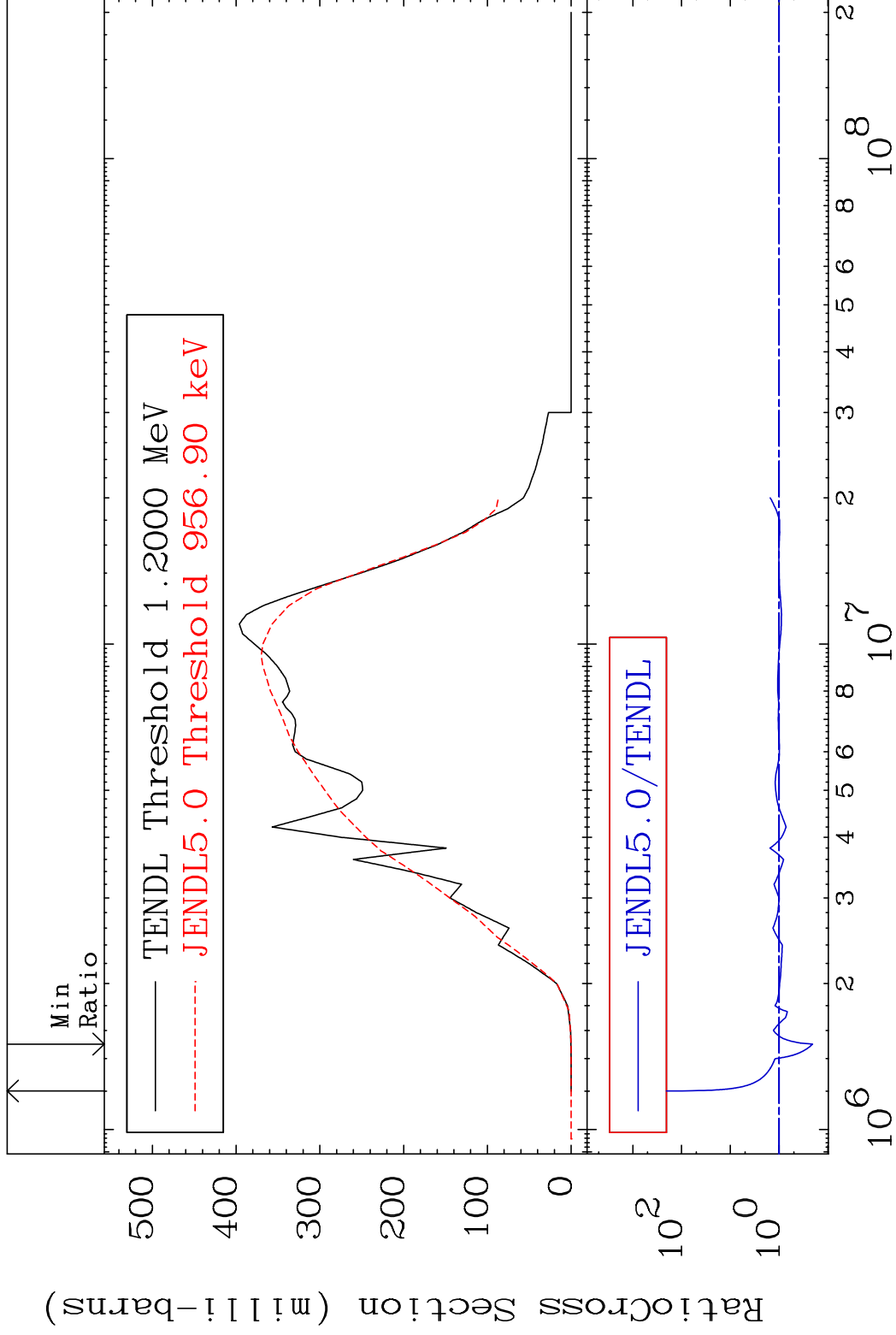
16-S -32

MAT 1625

(n,p)

16-S -32

Cross Section -79.33 To 9545. %



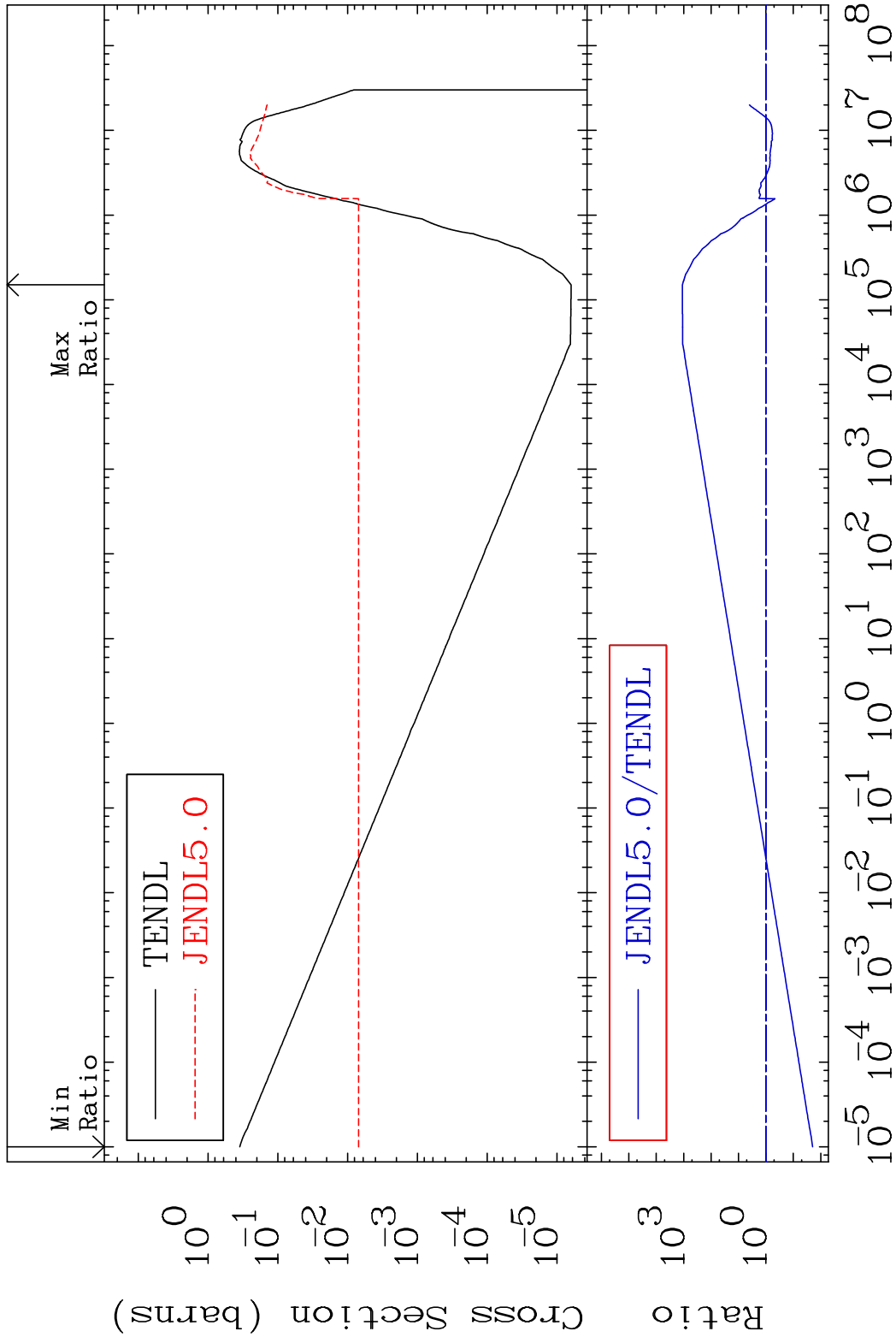


MAT 1625

(n,  $\alpha$ )

16-S -32

Cross Section -98.01 To 9999. %

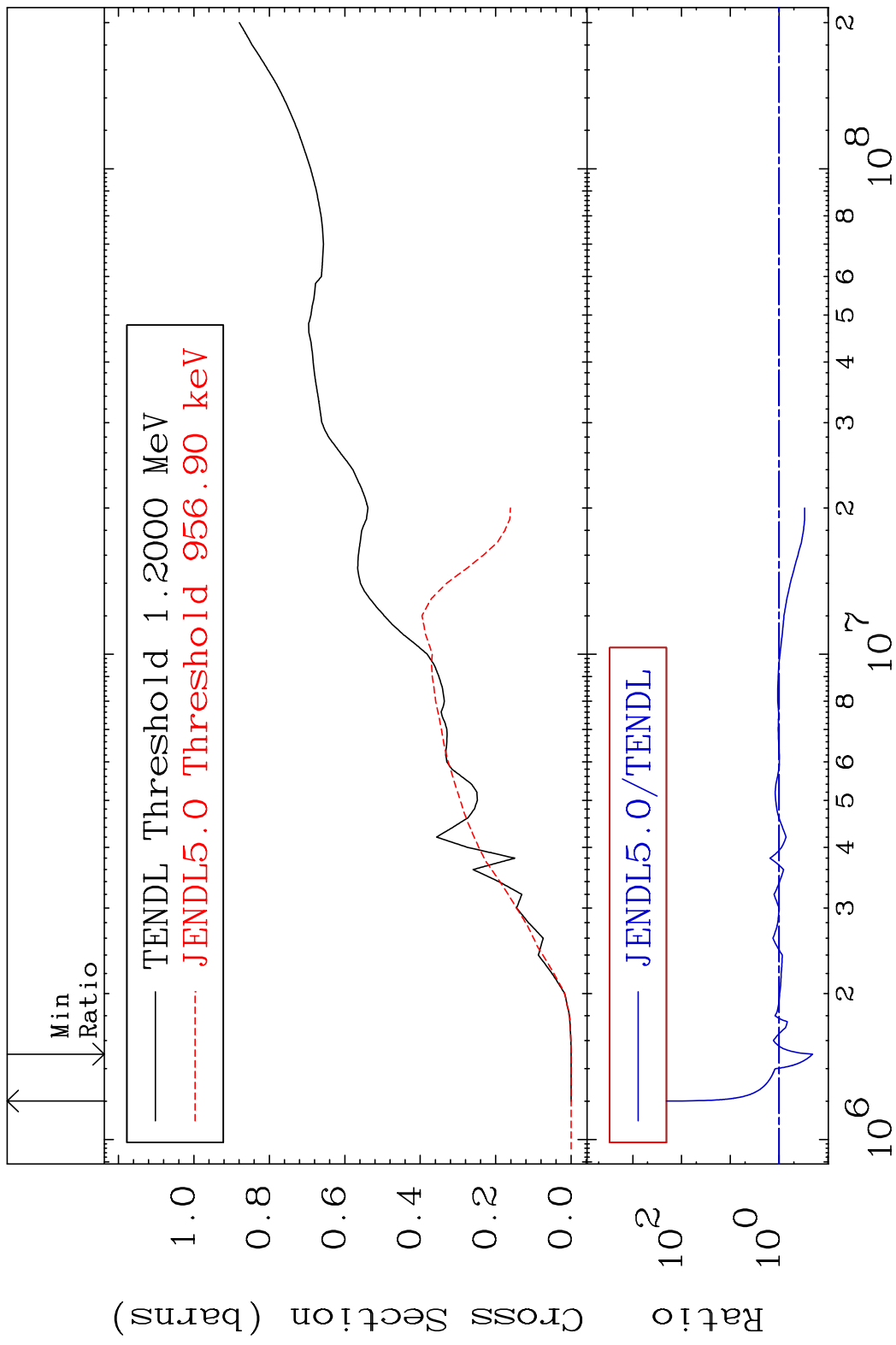


16

Incident Energy (eV)

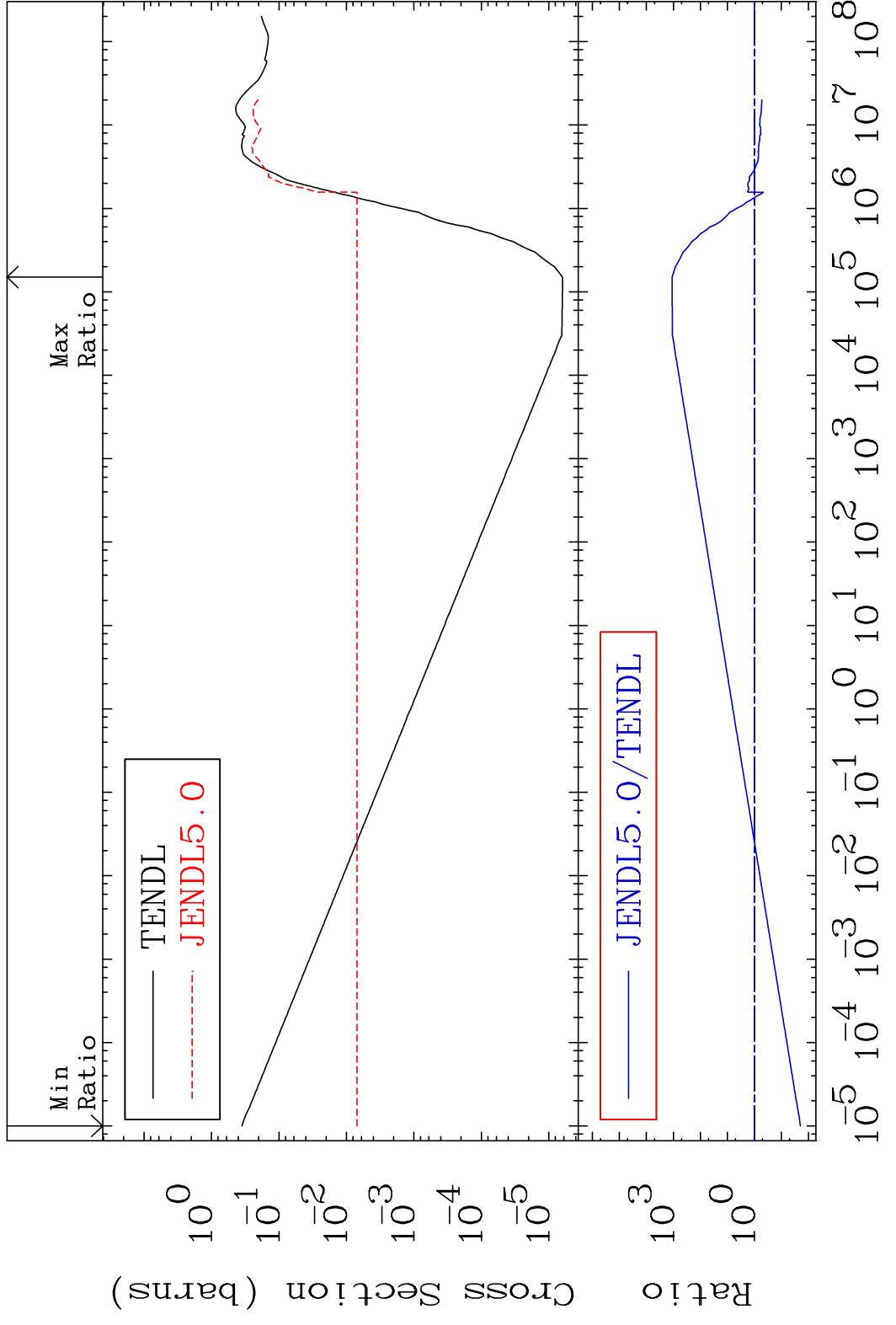
16-S -32

MAT 1625 Hydrogen Production 16-S -32  
 Cross Section -79.33 To 9545. %

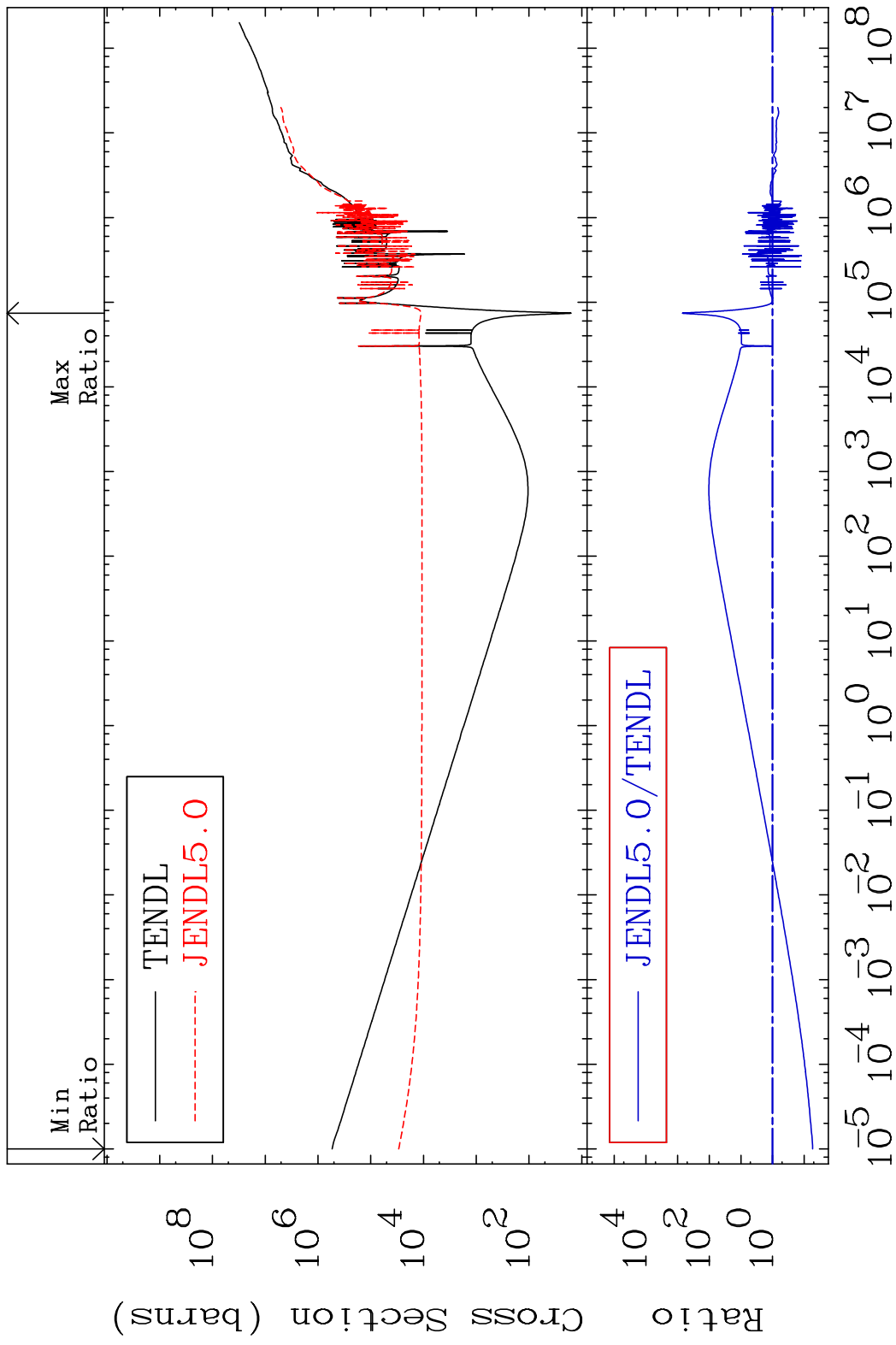


17 Incident Energy (eV) 16-S -32

MAT 1625 He-4 Production 16-S -32  
 Cross Section -98.01 To 9999. %



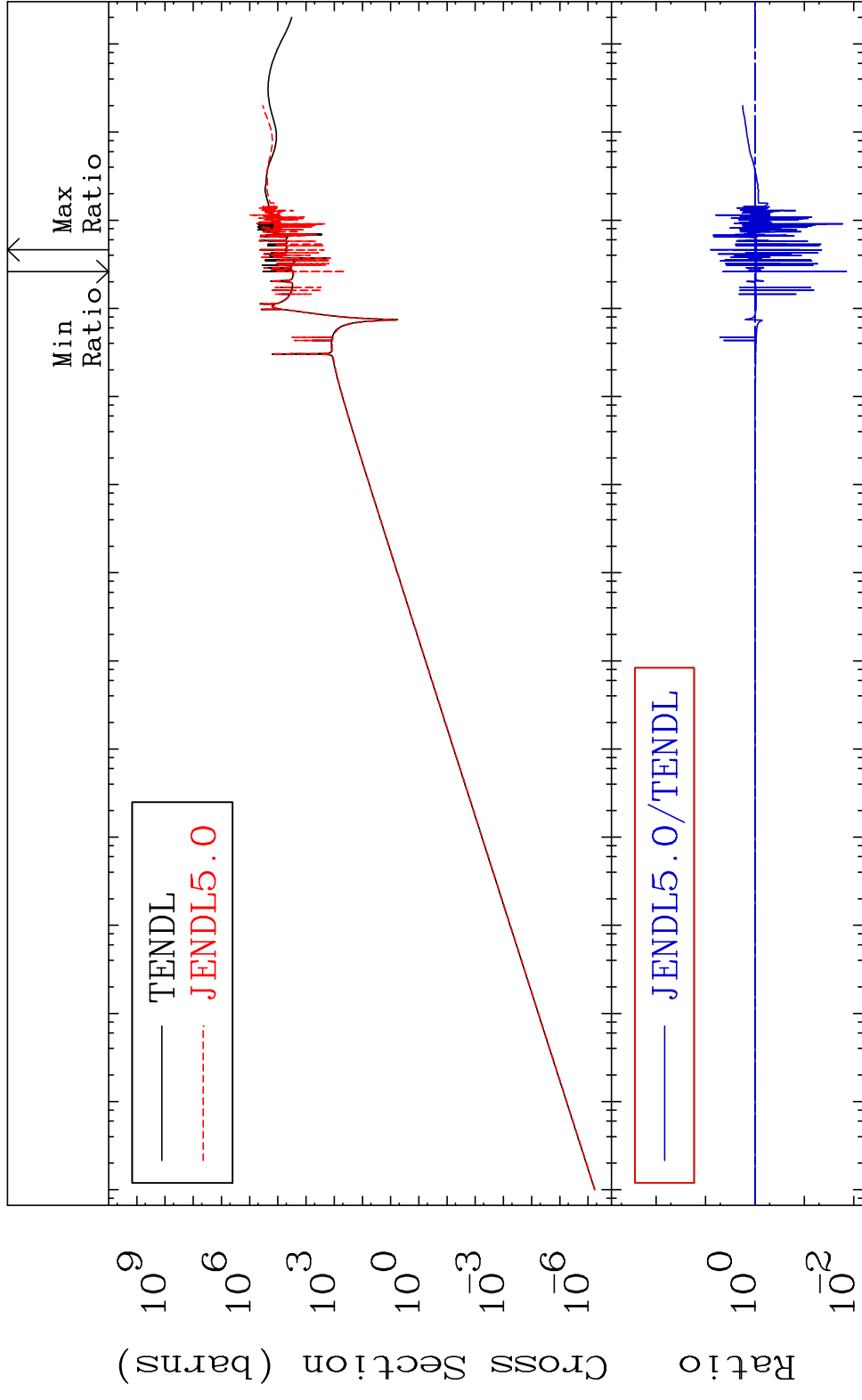
MAT 1625 Kerma total (eV-barns) 16-S -32  
 Cross Section -94.54 To 9999. %



MAT 1625

Kerma elastic  
Cross Section

16-S -32  
-98.59 To 681.2 %



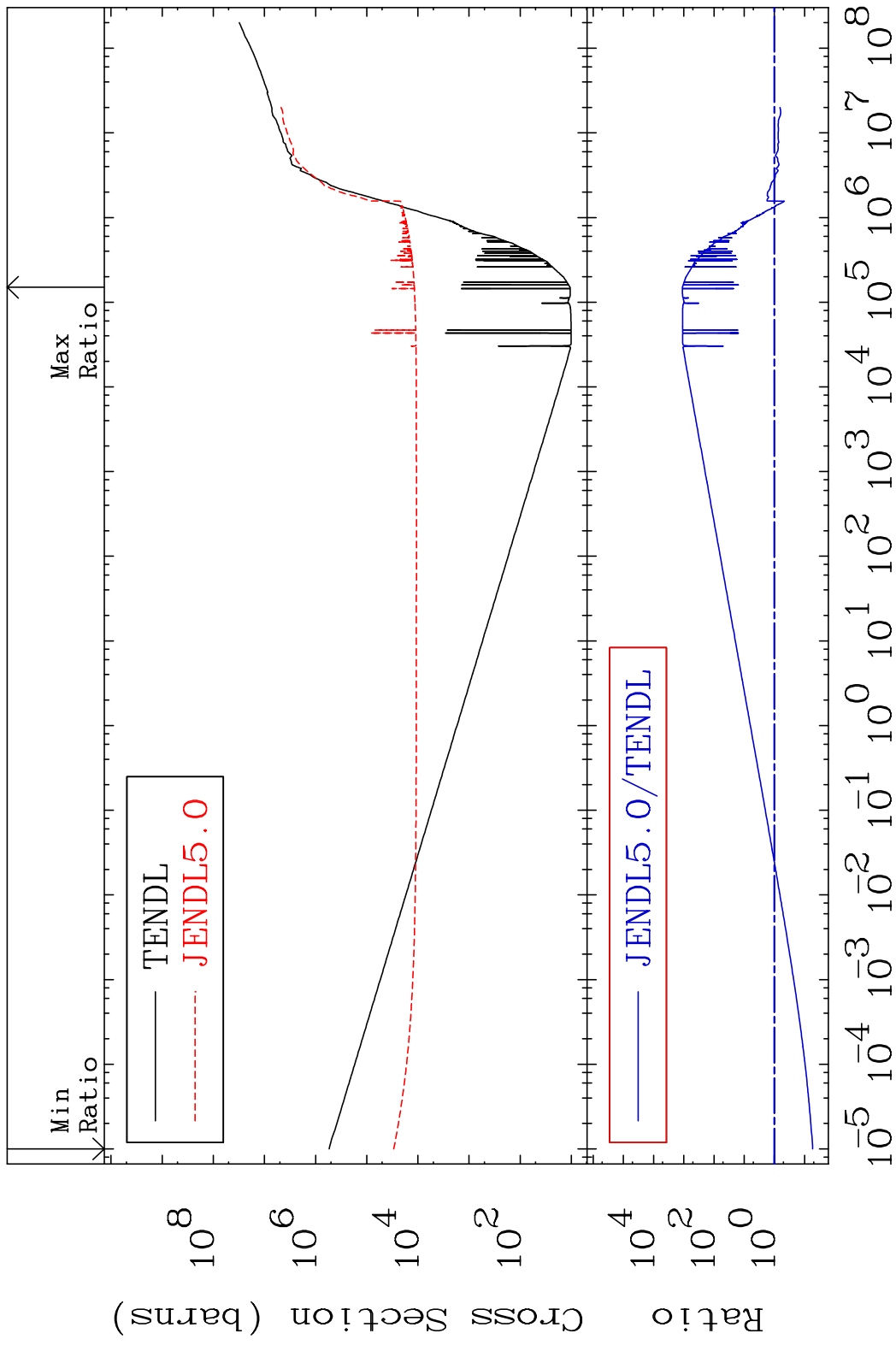
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

20

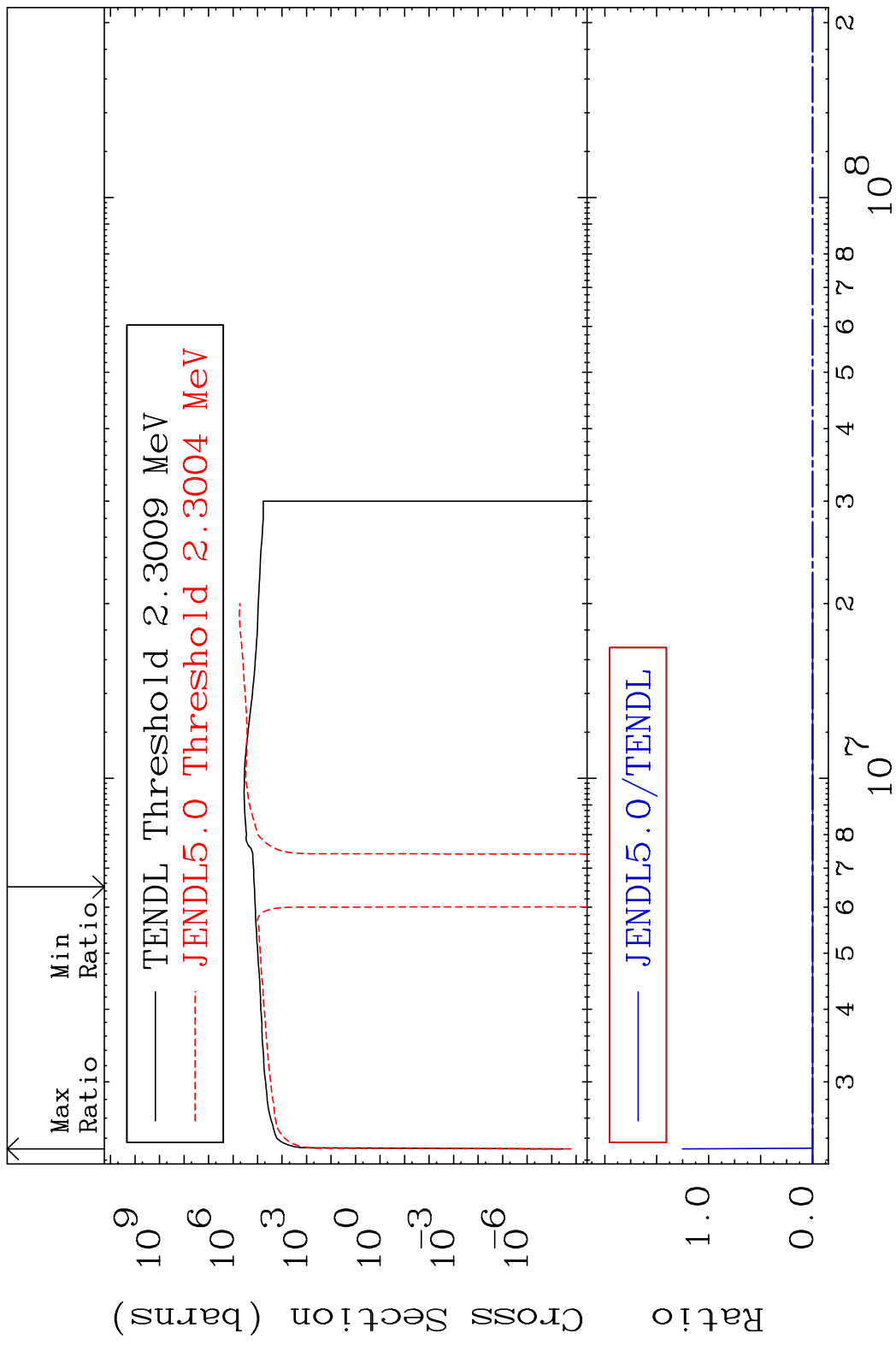
Incident Energy (eV)

16-S -32

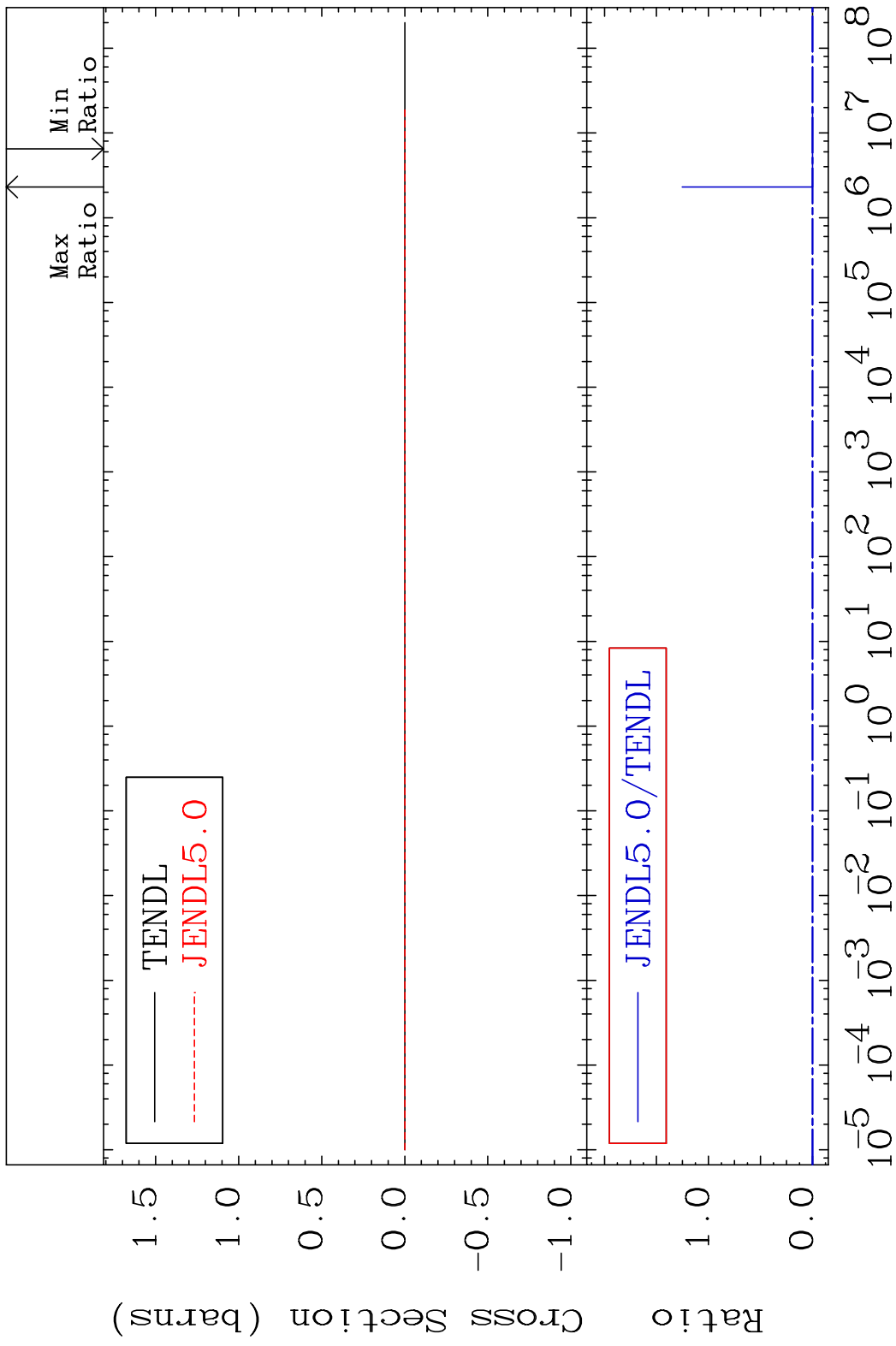
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32  
 Cross Section -94.54 To 9999. %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32  
 Cross Section -166.7 To 9999. %



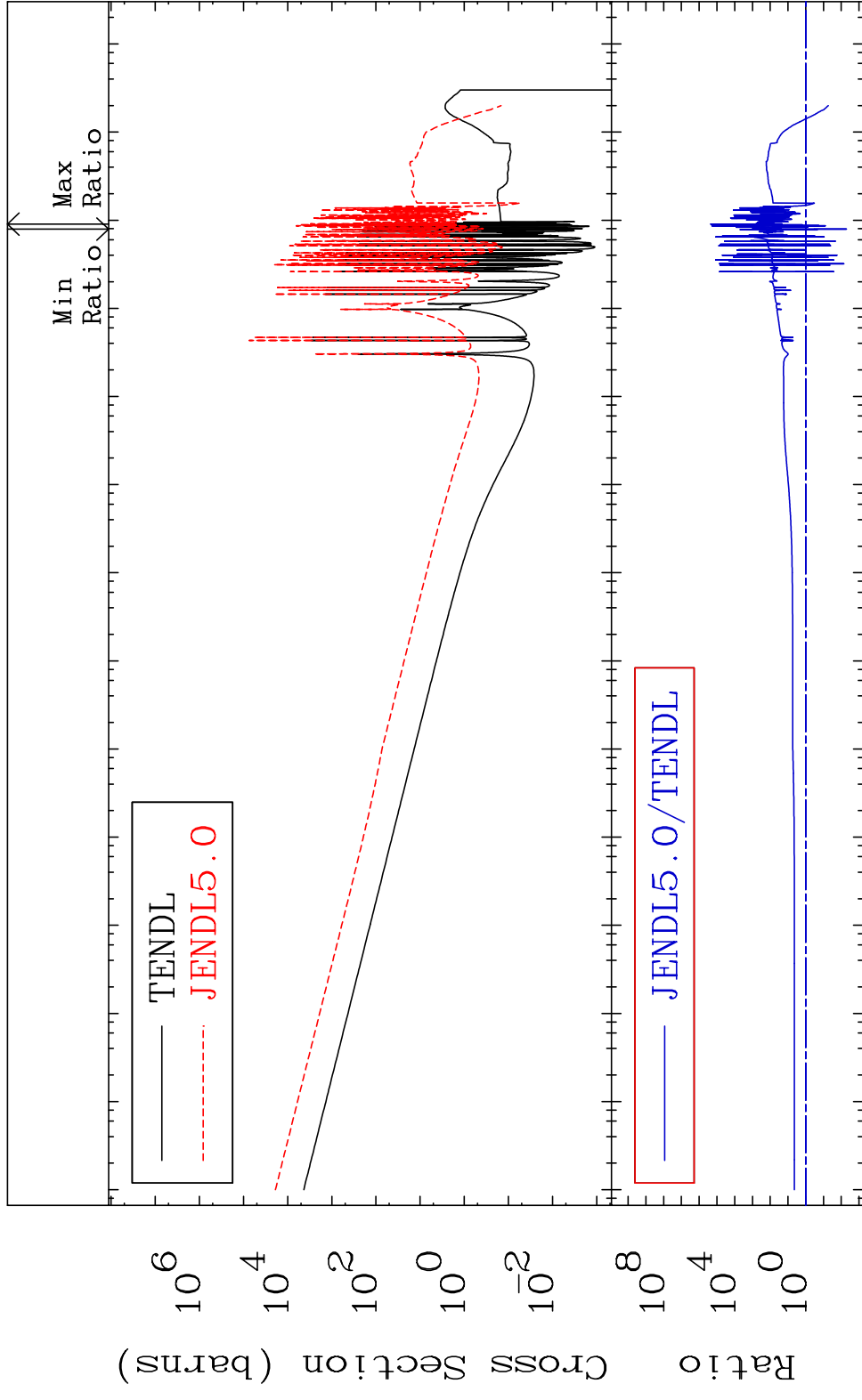
MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32  
 Cross Section -166.7 To 9999. %





MAT 1625

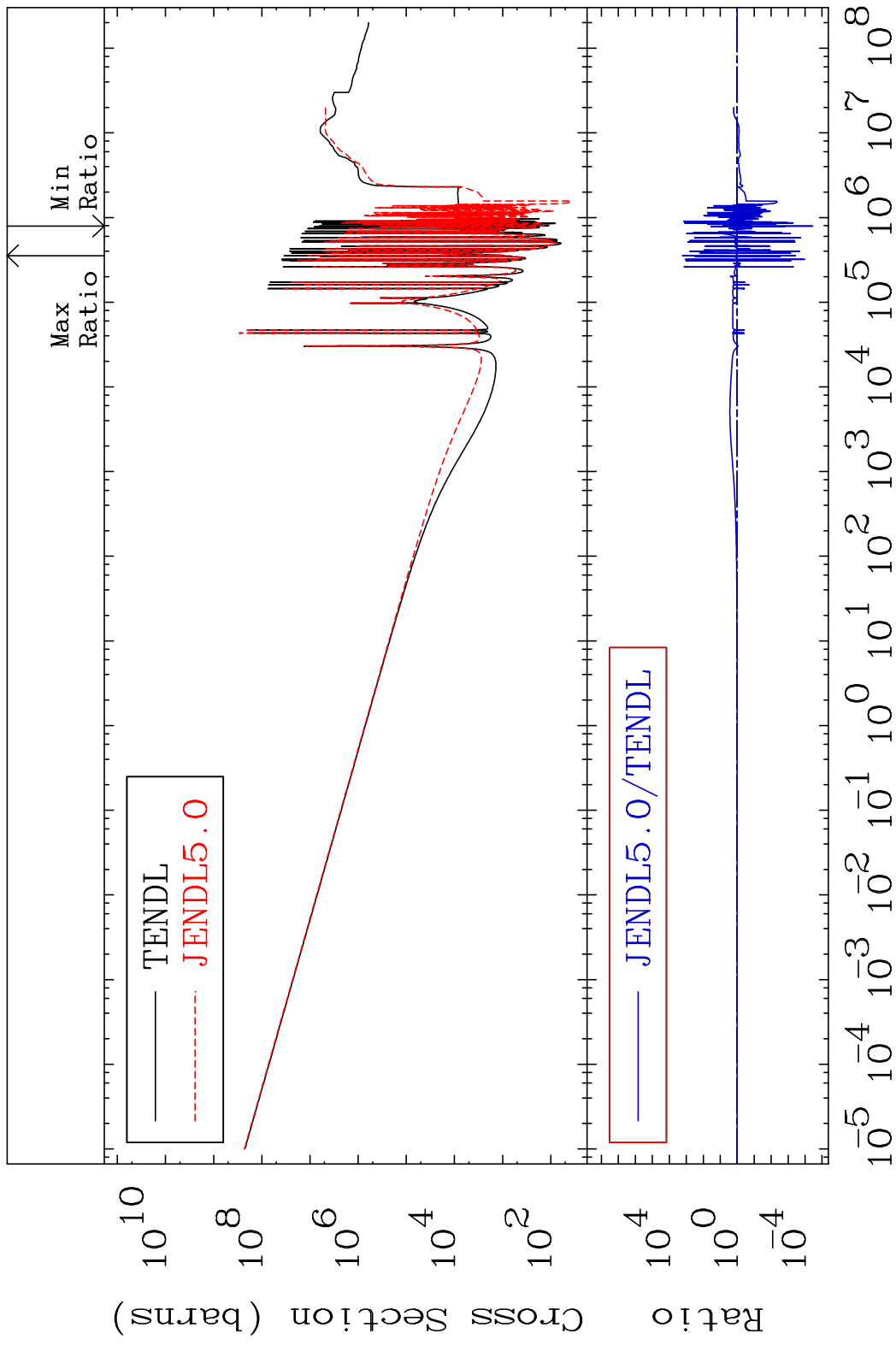
Kerma capture (mt102) 16-S -32  
Cross Section -99.48 To 9999. %



24

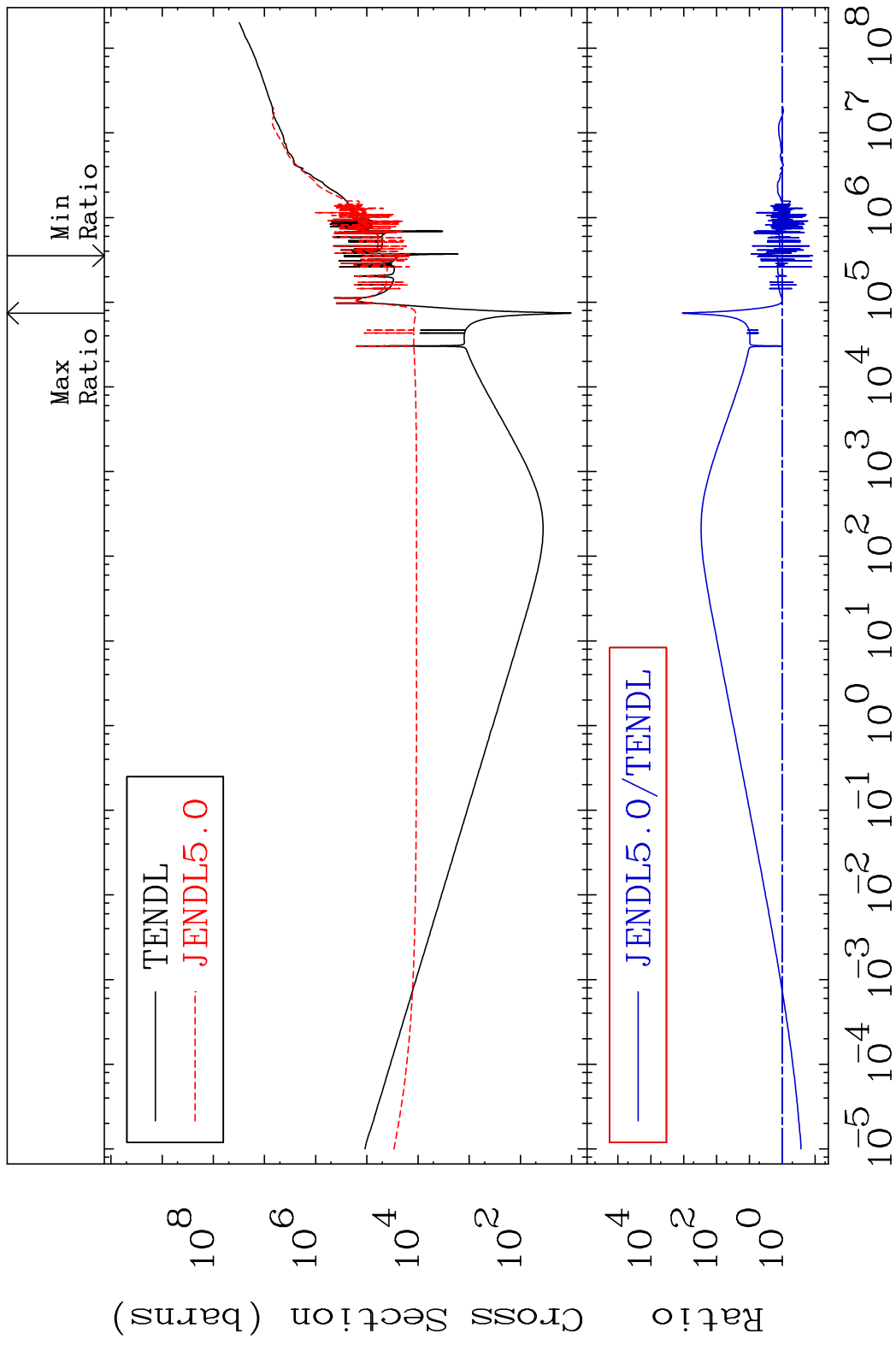
Incident Energy (eV) 16-S -32

MAT 1625 Total photon (eV-barns) 16-S -32  
 Cross Section -100.0 To 9999. %

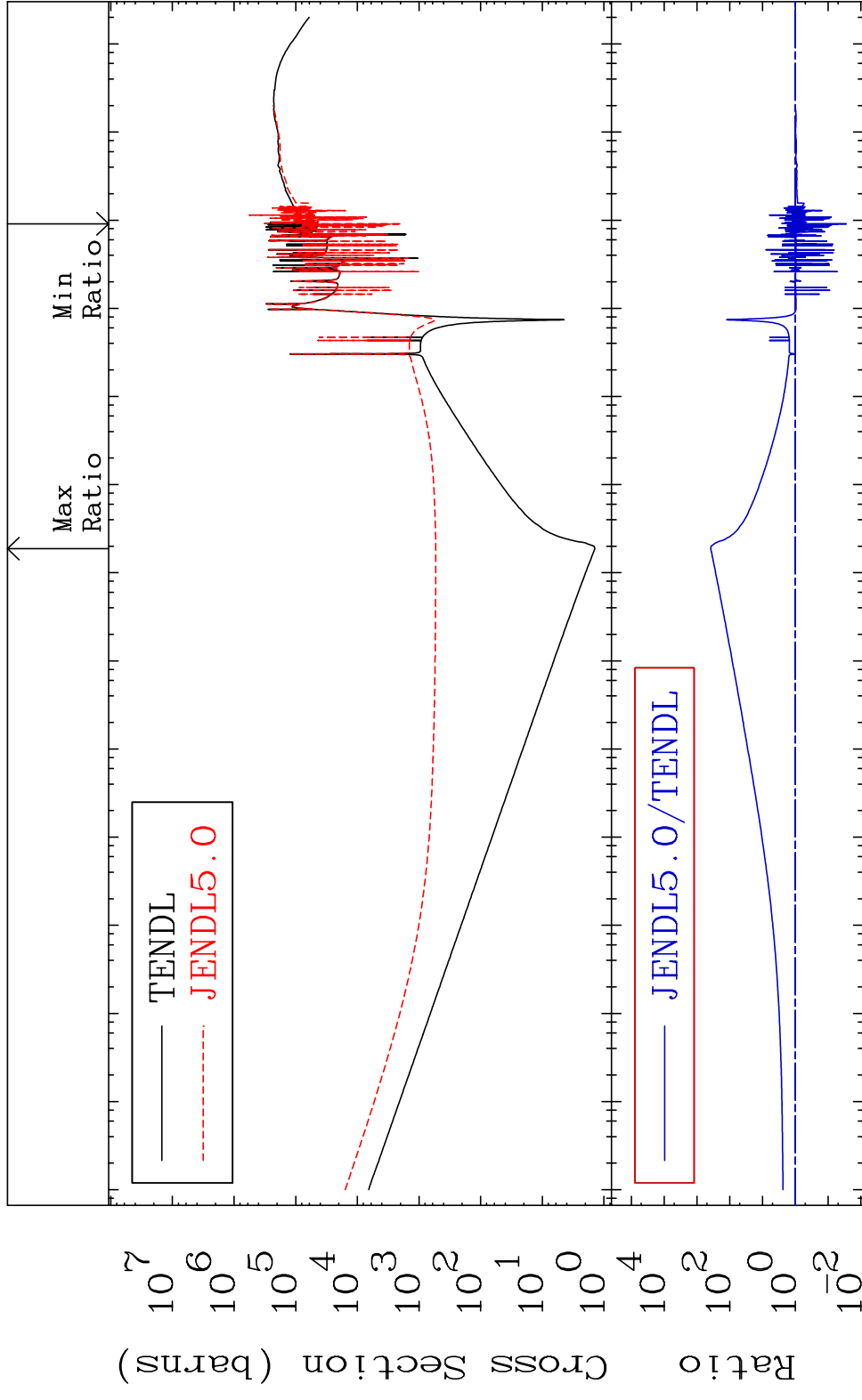


25 Incident Energy (eV) 16-S -32

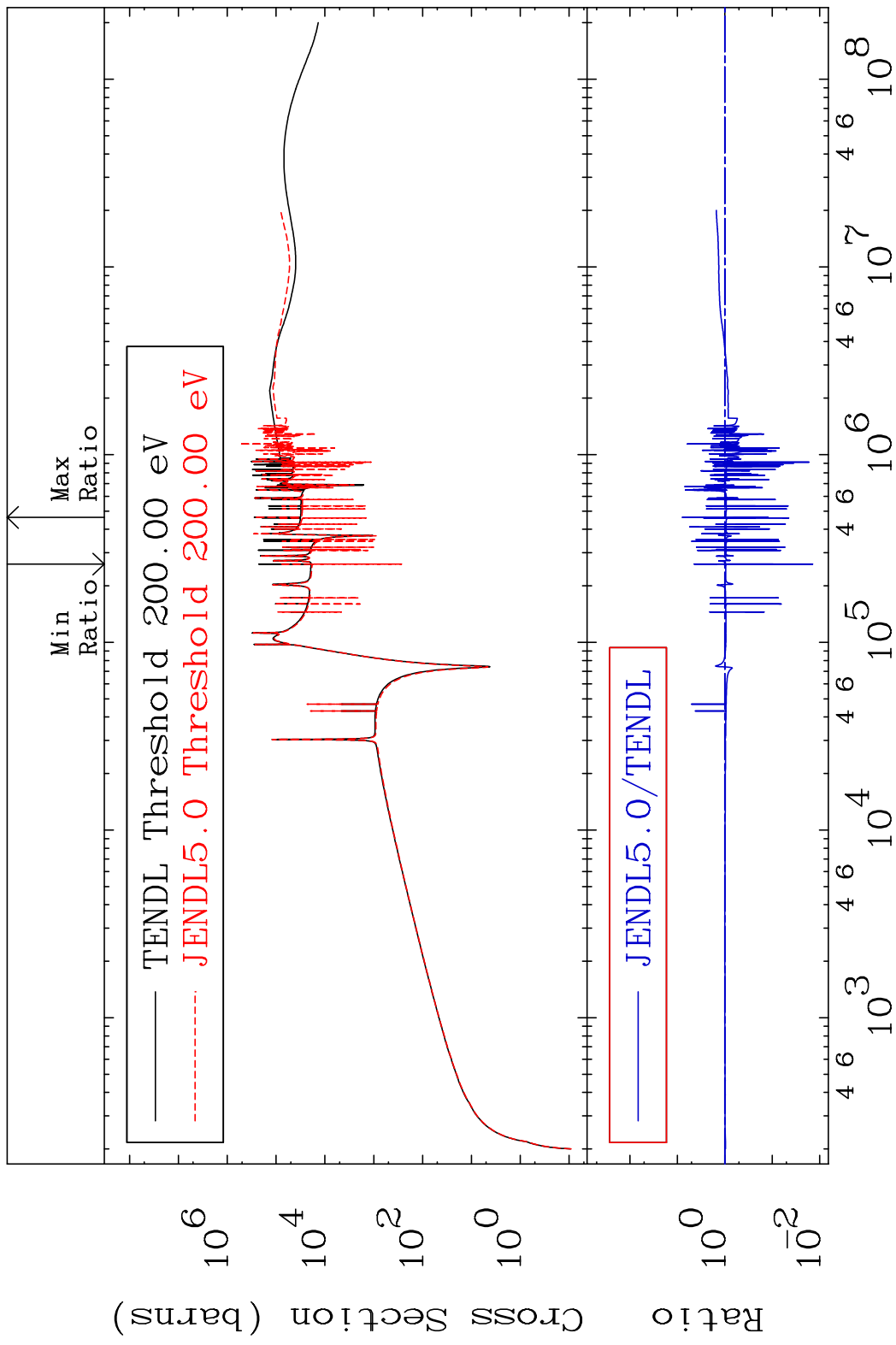
MAT 1625 Total kinematic kerma (high limit) 16-S -32  
 Cross Section -87.98 To 9999. %



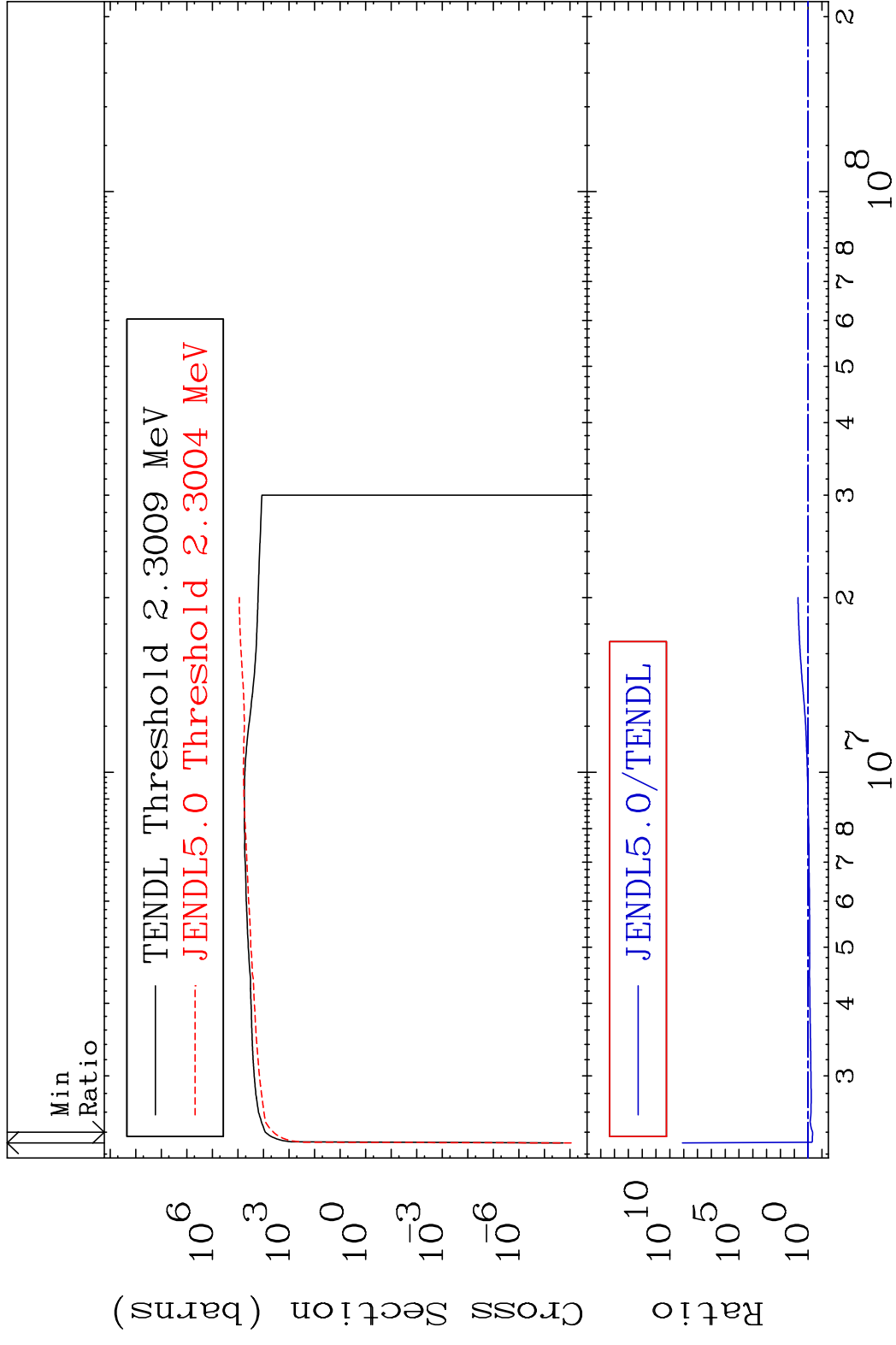
MAT 1625 Dpa total (eV-barns) 16-S -32  
 Cross Section -97.21 To 9999. %



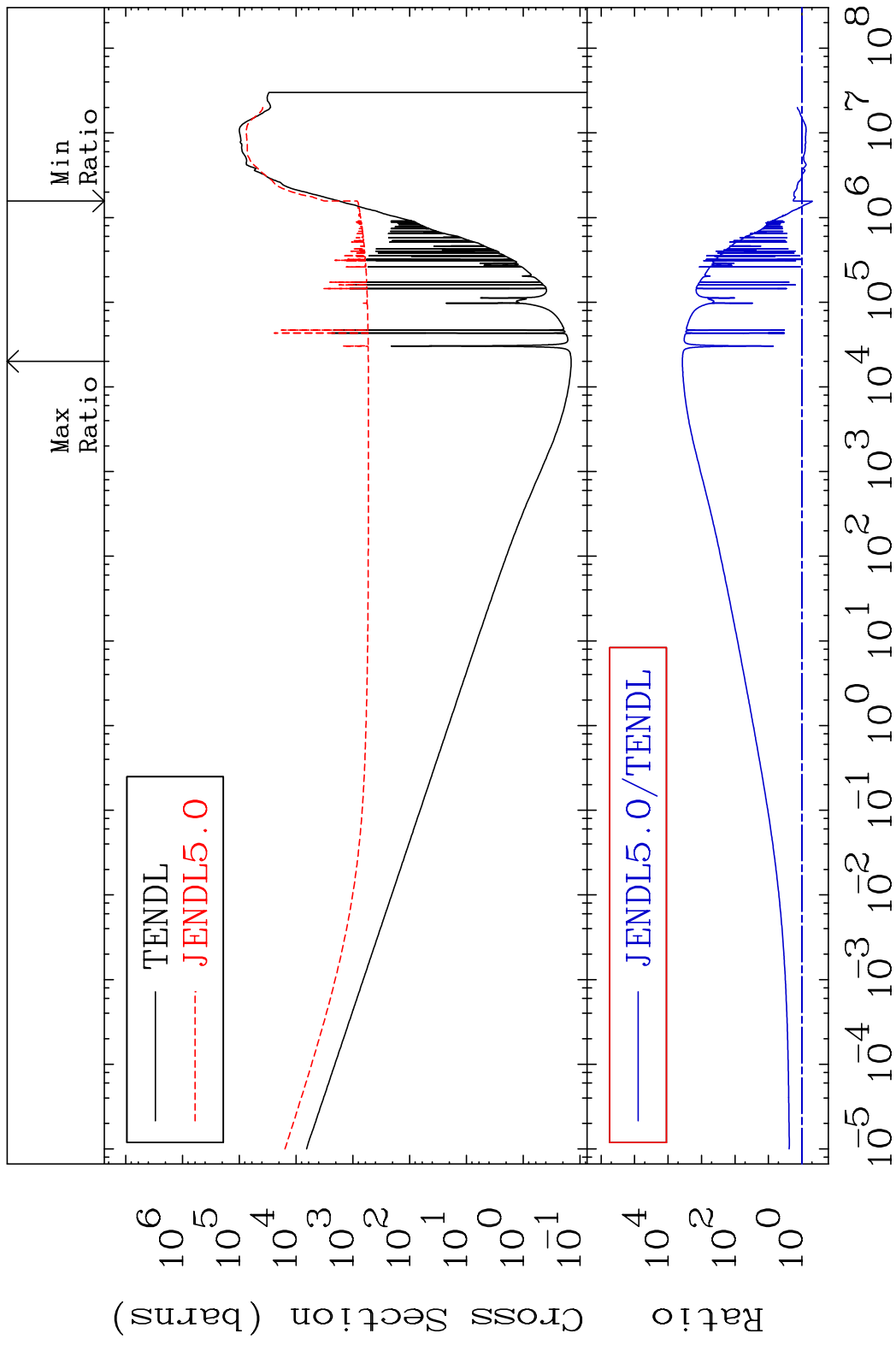
MAT 1625 Dpa elastic (mt2) 16-S -32  
 Cross Section -98.59 To 683.2 %



MAT 1625      Dpa inelastic (mt51-91)      16-S -32  
 Cross Section      -52.15 To 9999. %

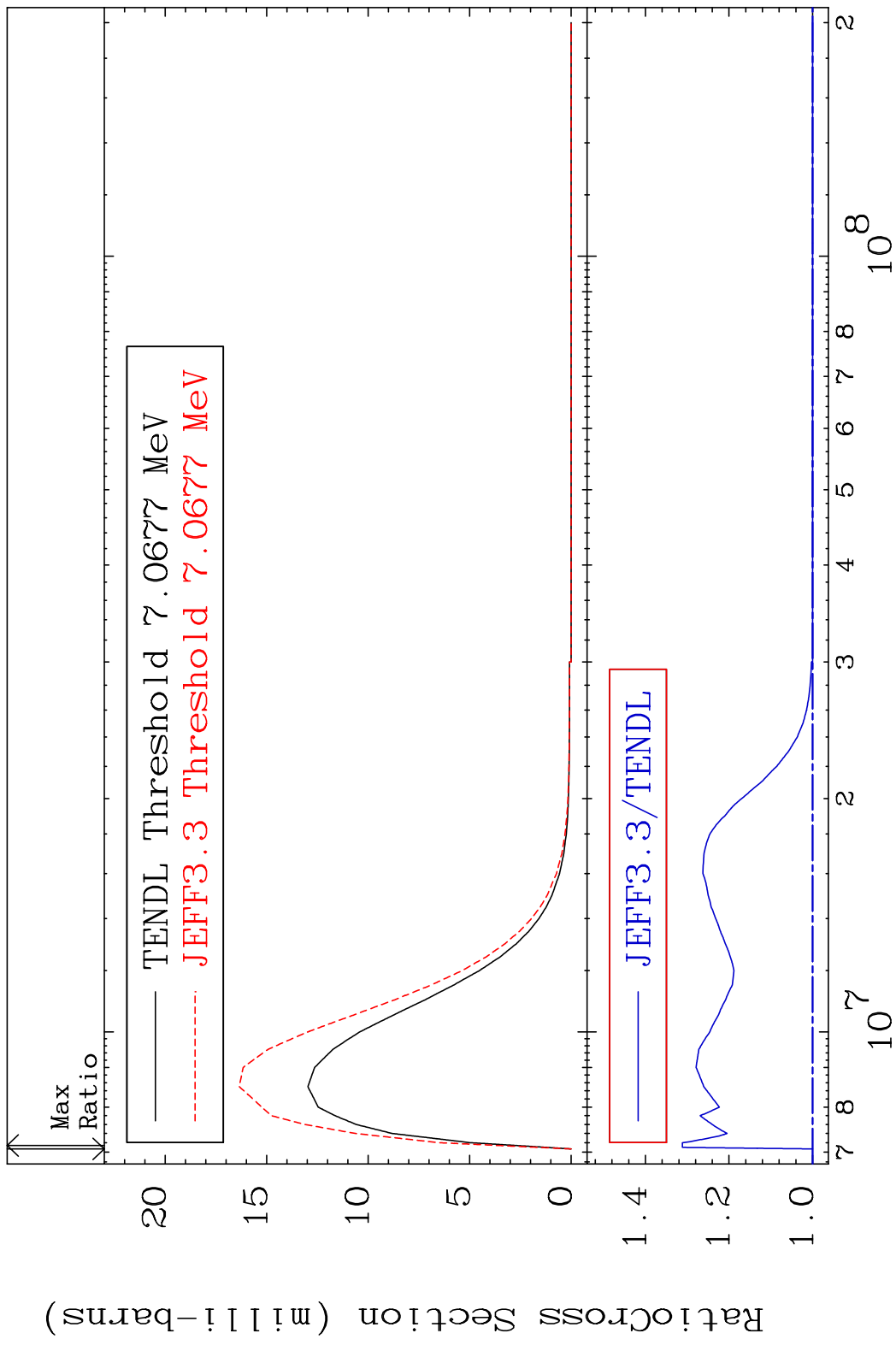


MAT 1625 Dpa disappearance (mt102 -120) 16-S -32  
 Cross Section -51.96 To 9999. %



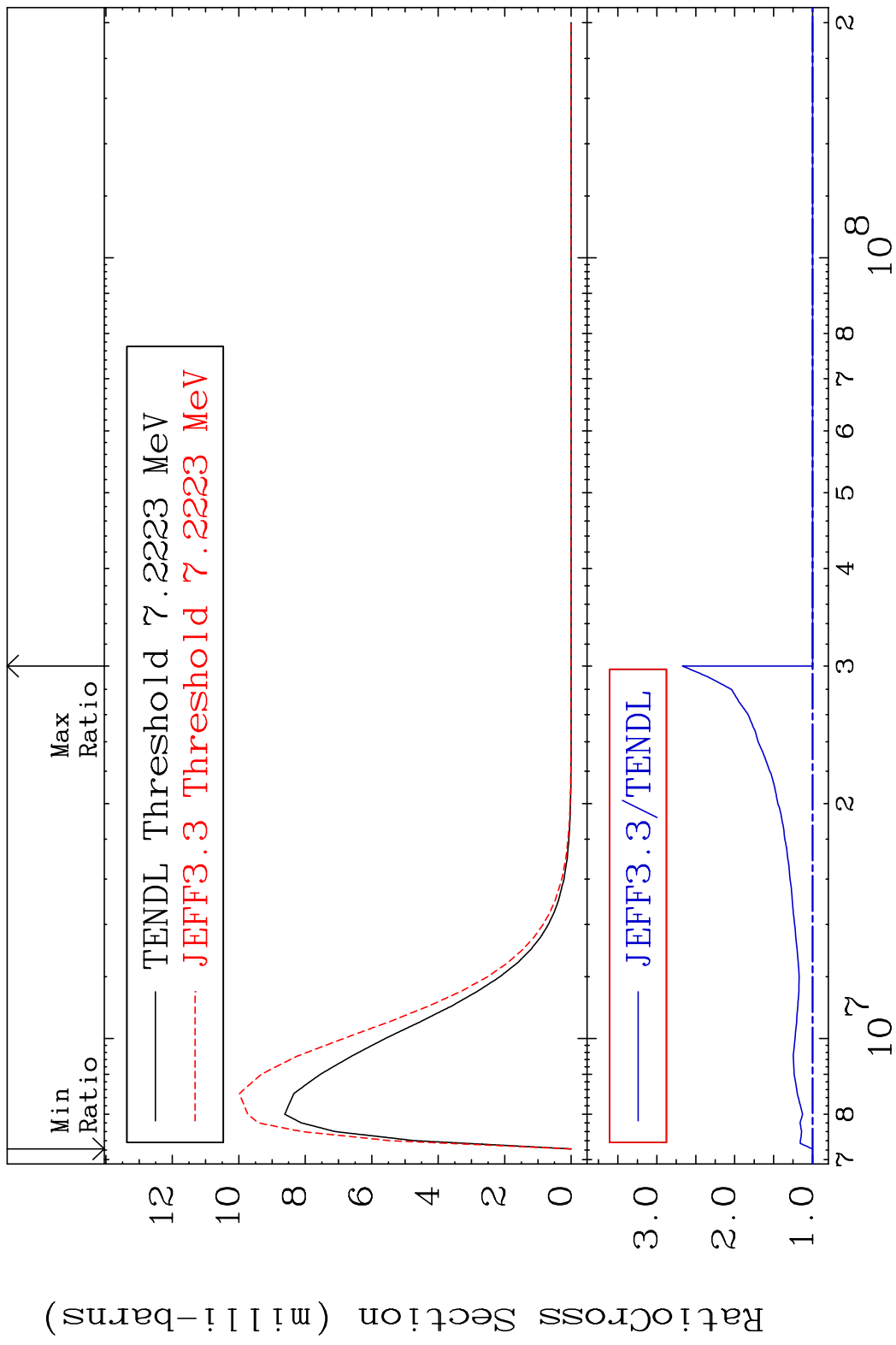
30 Incident Energy (eV) 16-S -32

MAT 1625 MT= 66 (n,n') Level 16-S -32  
 Cross Section 0.000 To 31.17 %

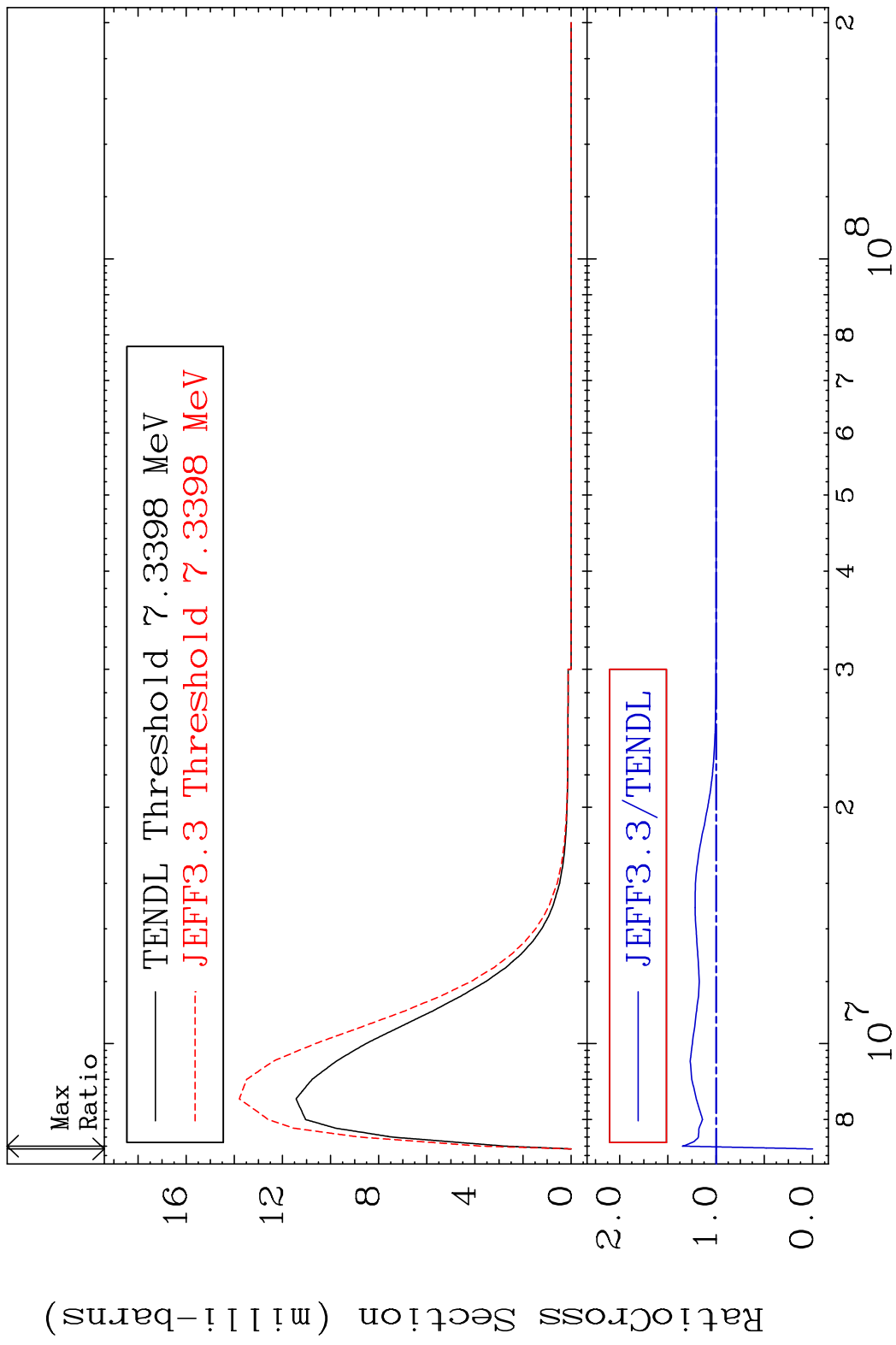




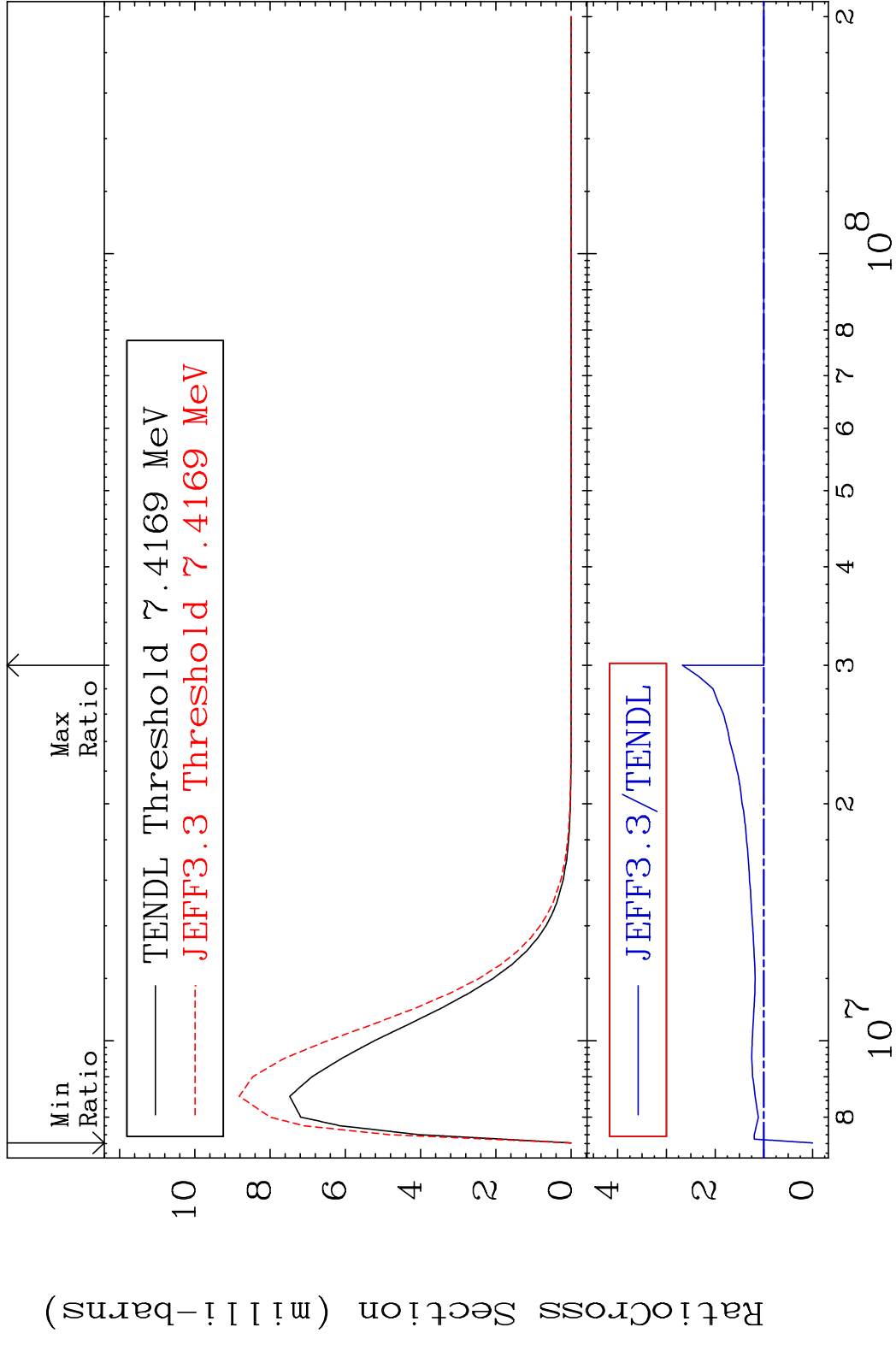
MAT 1625 MT= 67 (n,n') Level 16-S -32  
 Cross Section 0.000 To 167.2 %



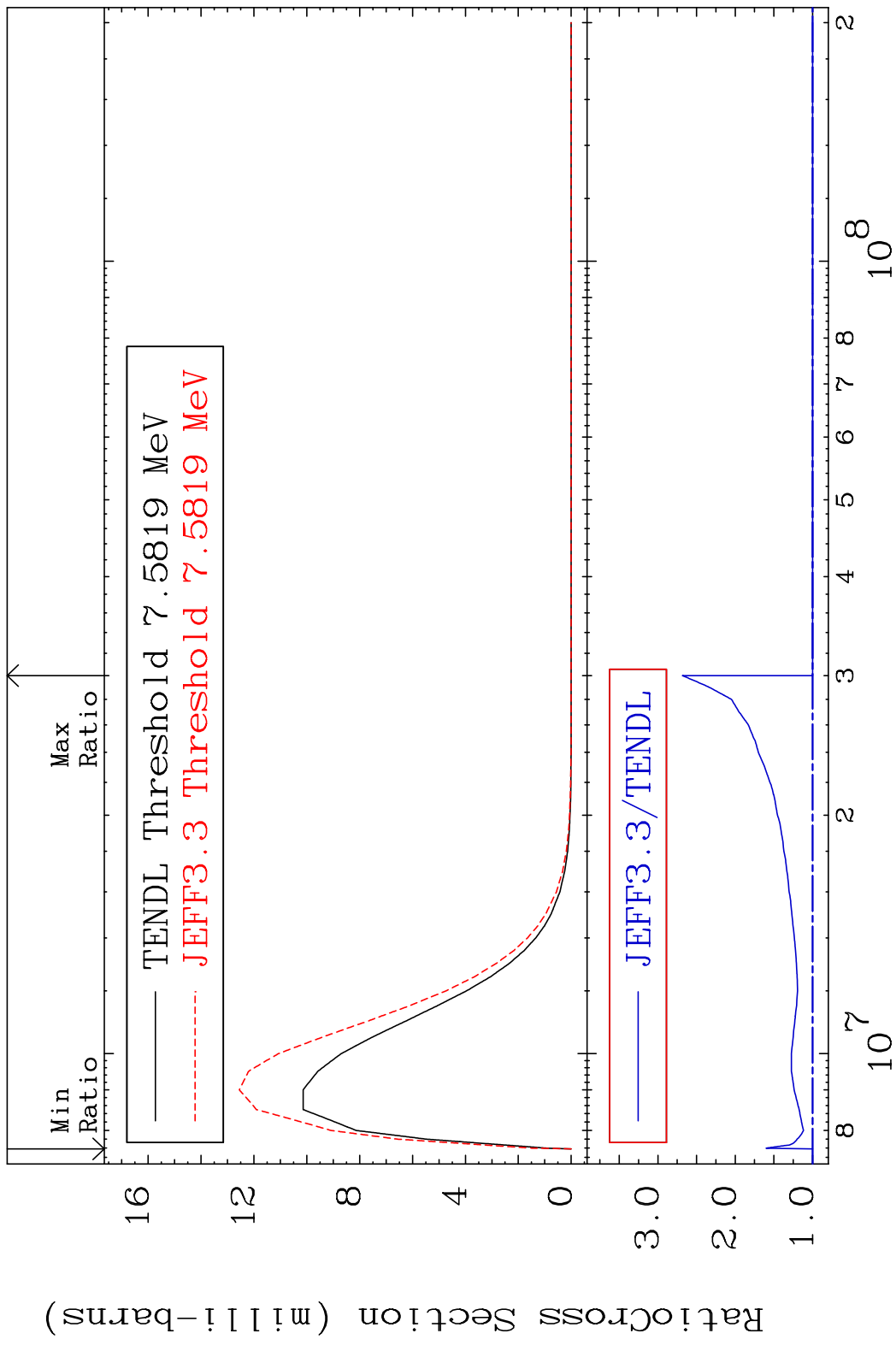
MAT 1625 MT= 68 (n, n') Level 16-S -32  
 Cross Section -100.0 To 35.00 %



MAT 1625 MT= 69 (n, n') Level 16-S -32  
 Cross Section -100.0 To 167.3 %

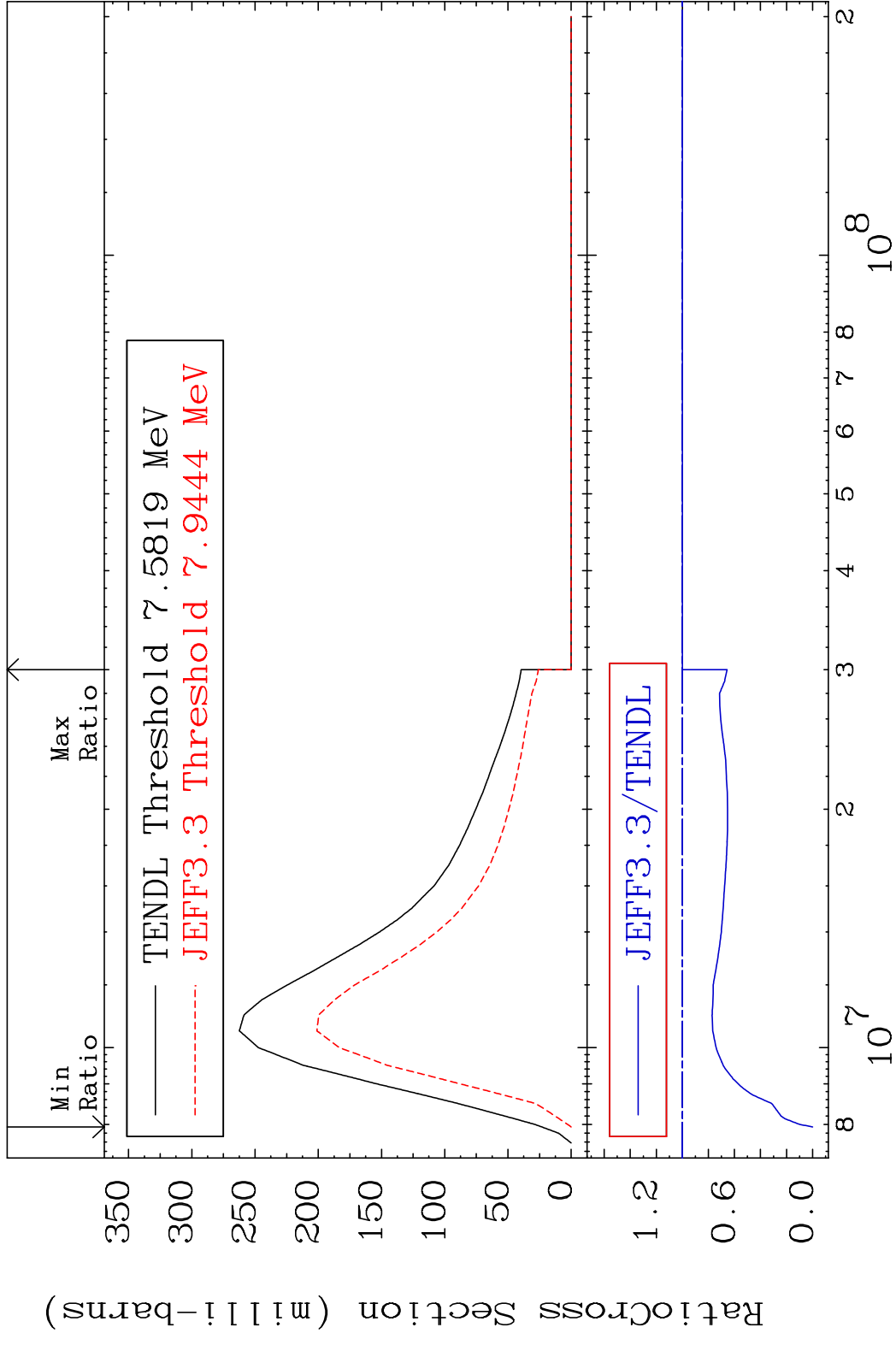


MAT 1625 MT= 70 (n,n') Level 16-S -32  
 Cross Section 0.000 To 168.4 %



35 Incident Energy (eV) 16-S -32

MAT 1625 (n,n') Continuum 16-S -32  
 Cross Section -100.0 To 0.000 %

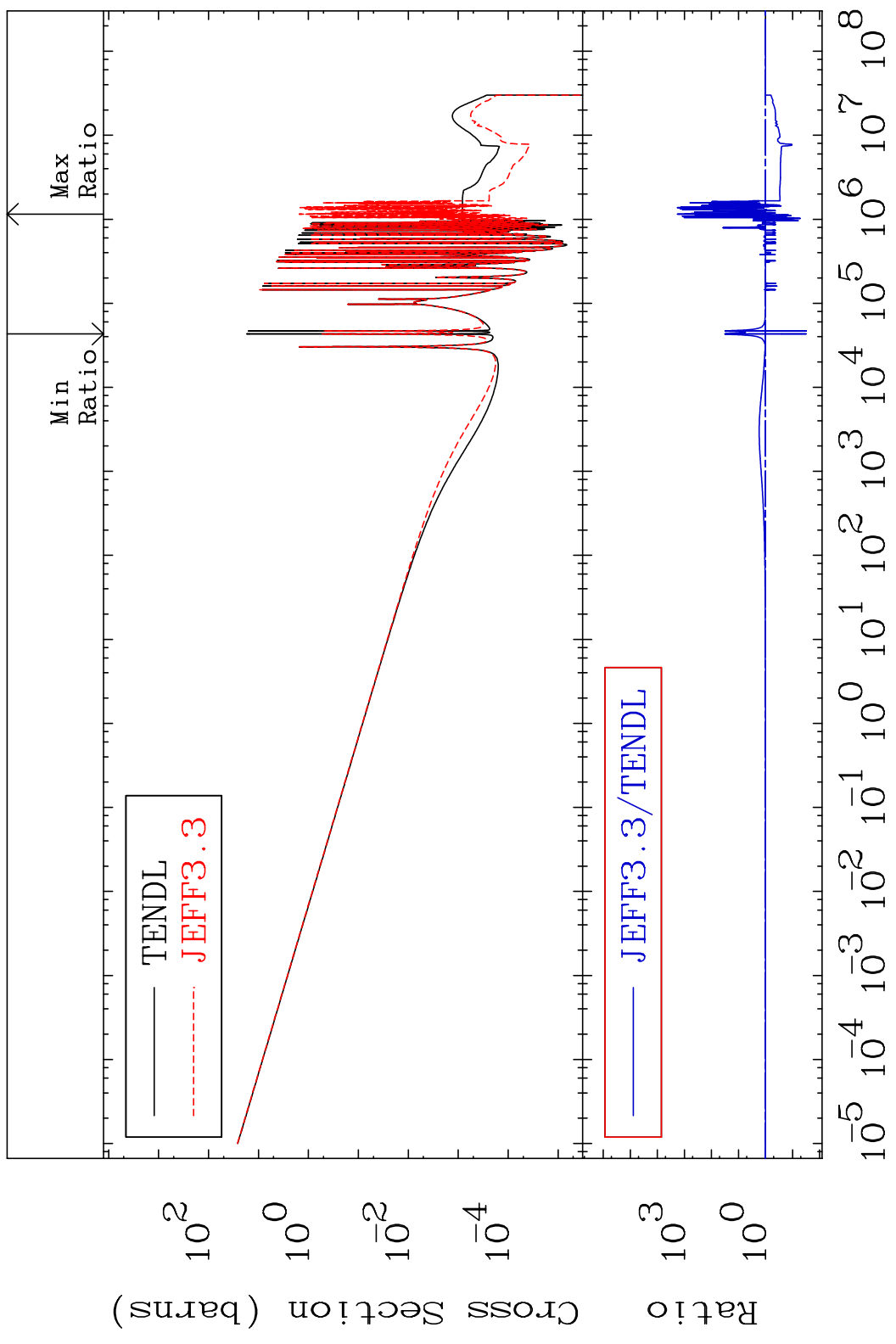


MAT 1625

(n,  $\gamma$ )

16-S -32

Cross Section -96.92 To 9999. %

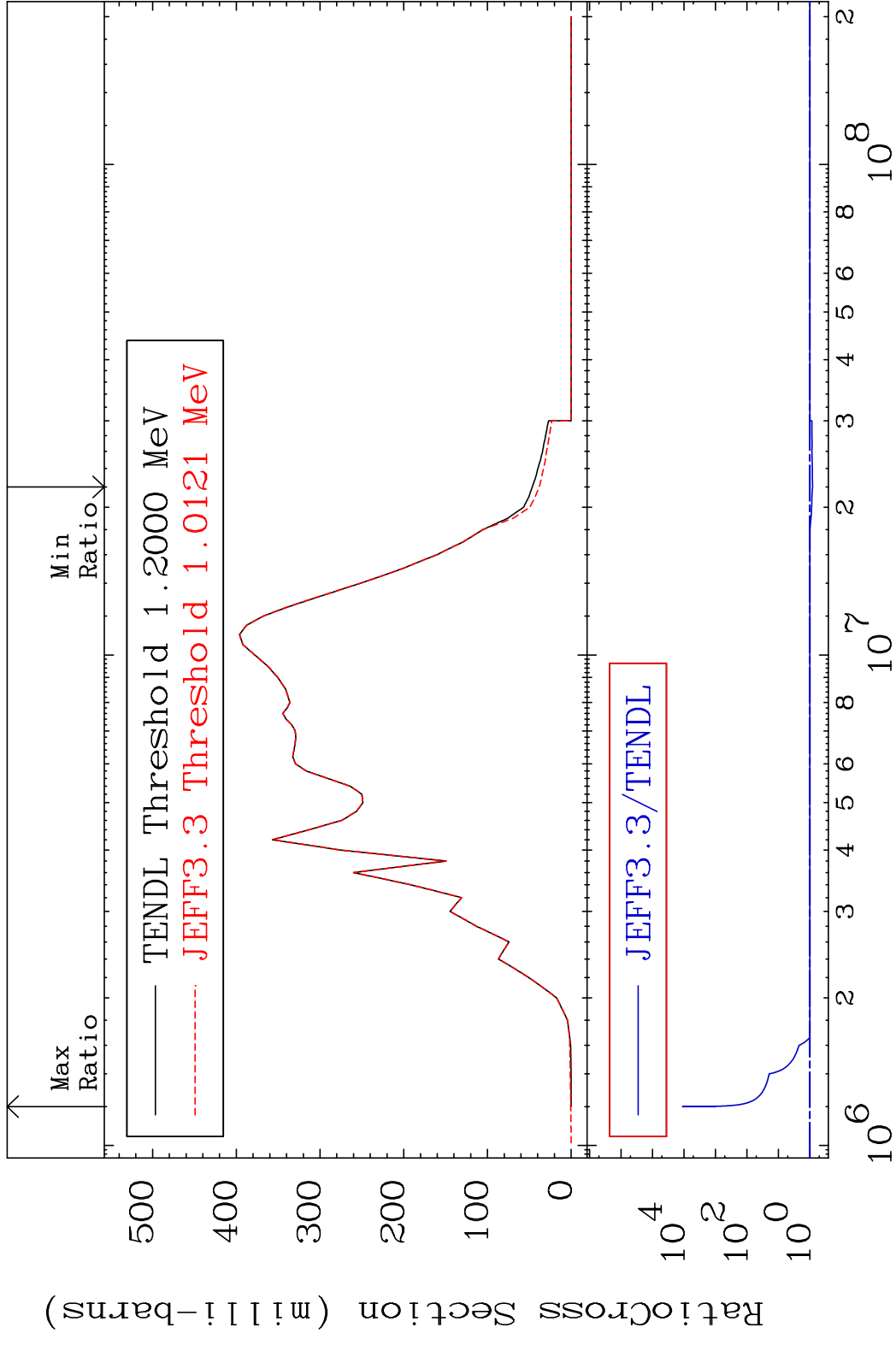


37

Incident Energy (eV)

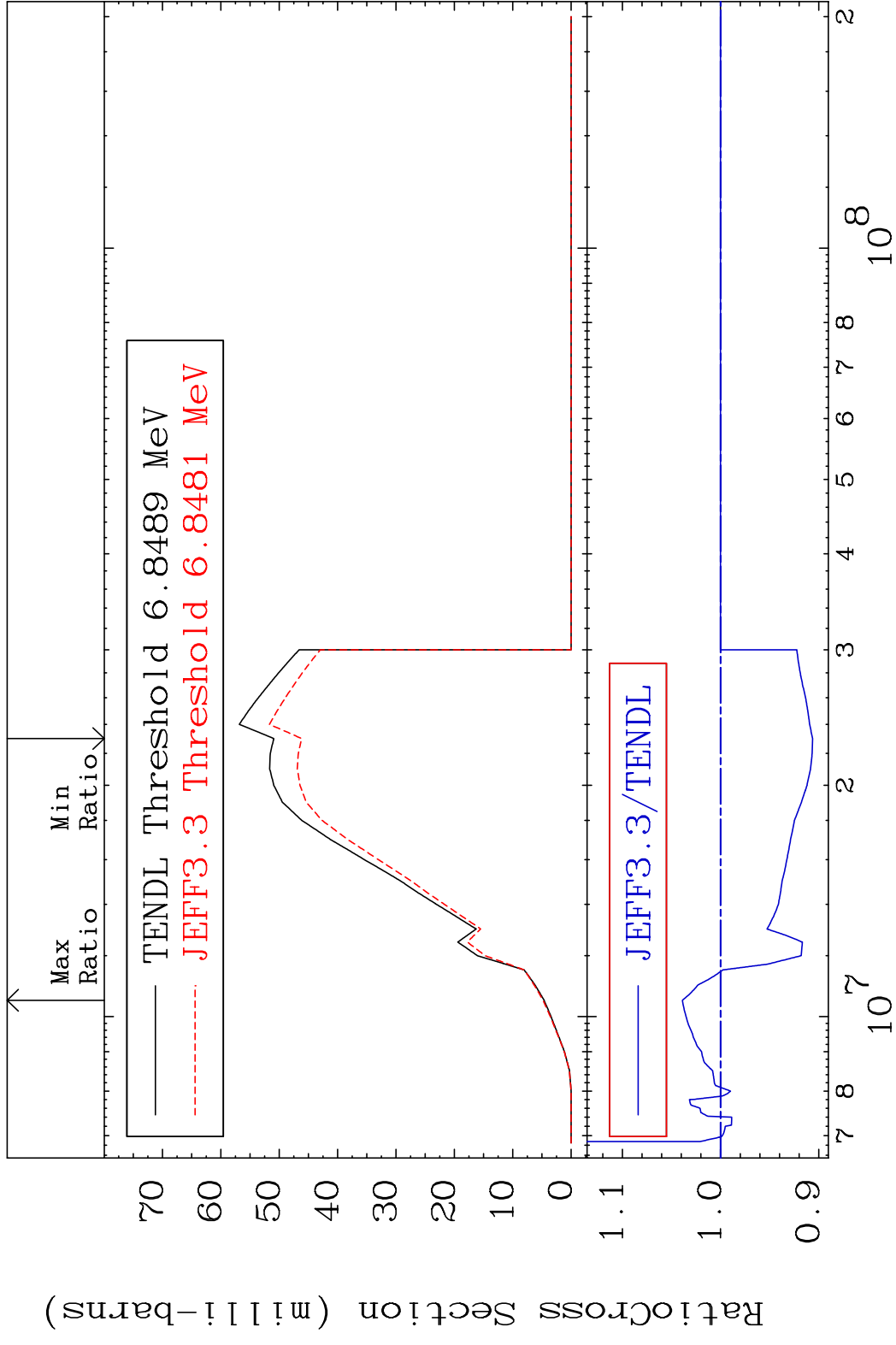
16-S -32

MAT 1625 (n,p) 16-S -32  
 Cross Section -18.11 To 9999. %



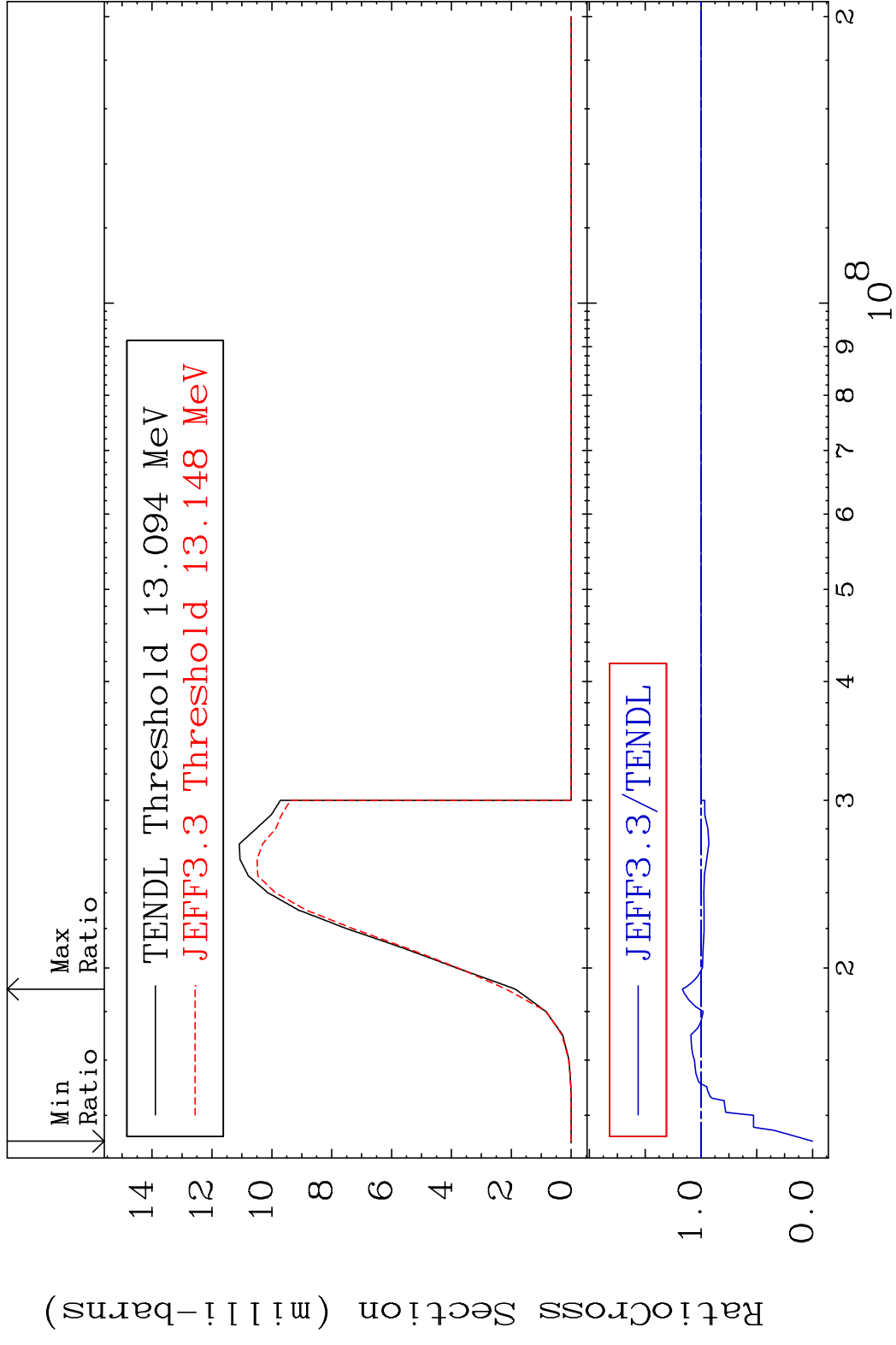
38 Incident Energy (eV) 16-S -32

MAT 1625 (n,d) 16-S -32  
 Cross Section -9.369 To 3.894 %



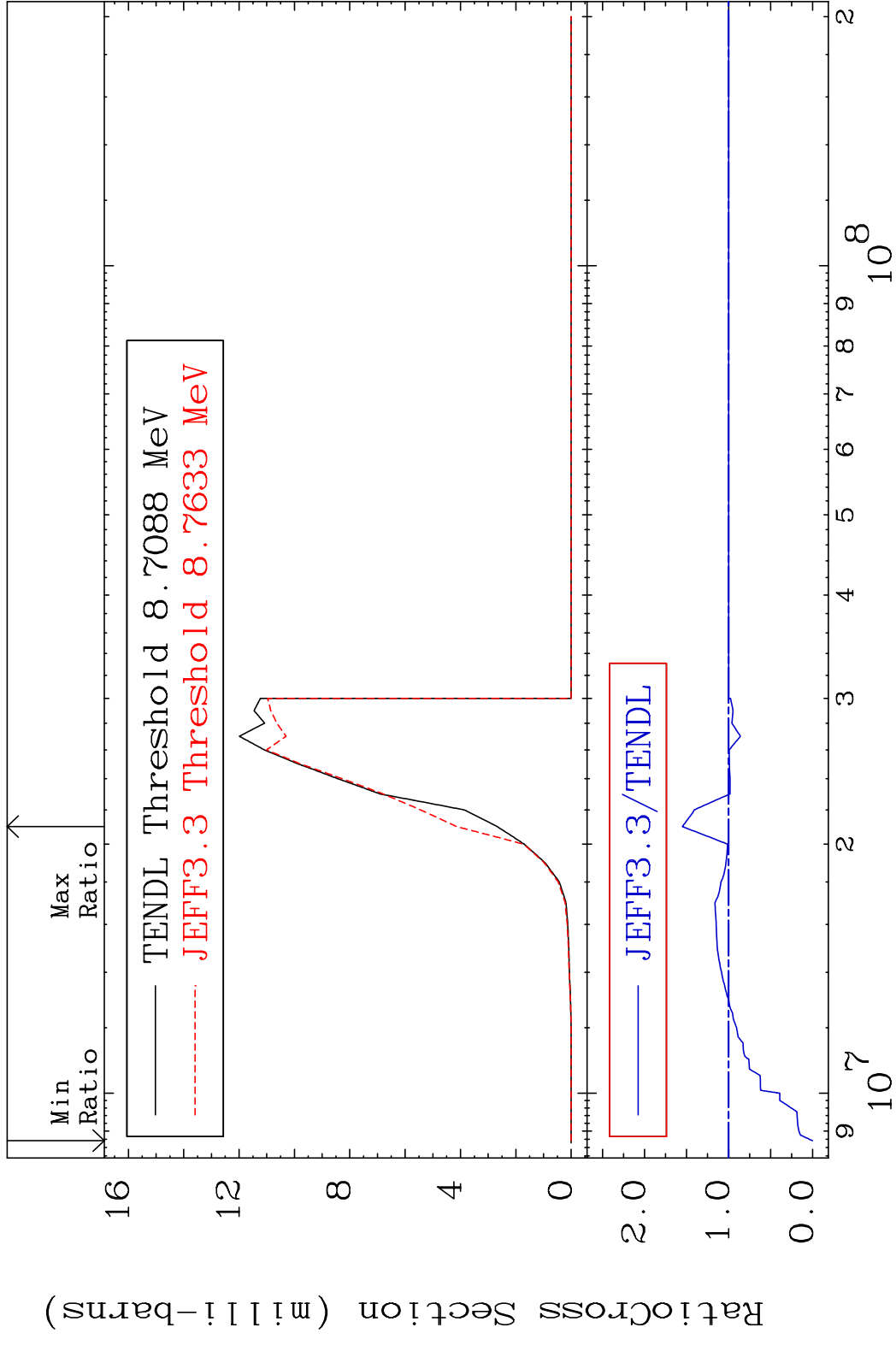


MAT 1625 (n, t) 16-S -32  
 Cross Section -100.0 To 16.70 %



40 16-S -32

MAT 1625 (n, He-3) 16-S -32  
 Cross Section -100.0 To 55.03 %



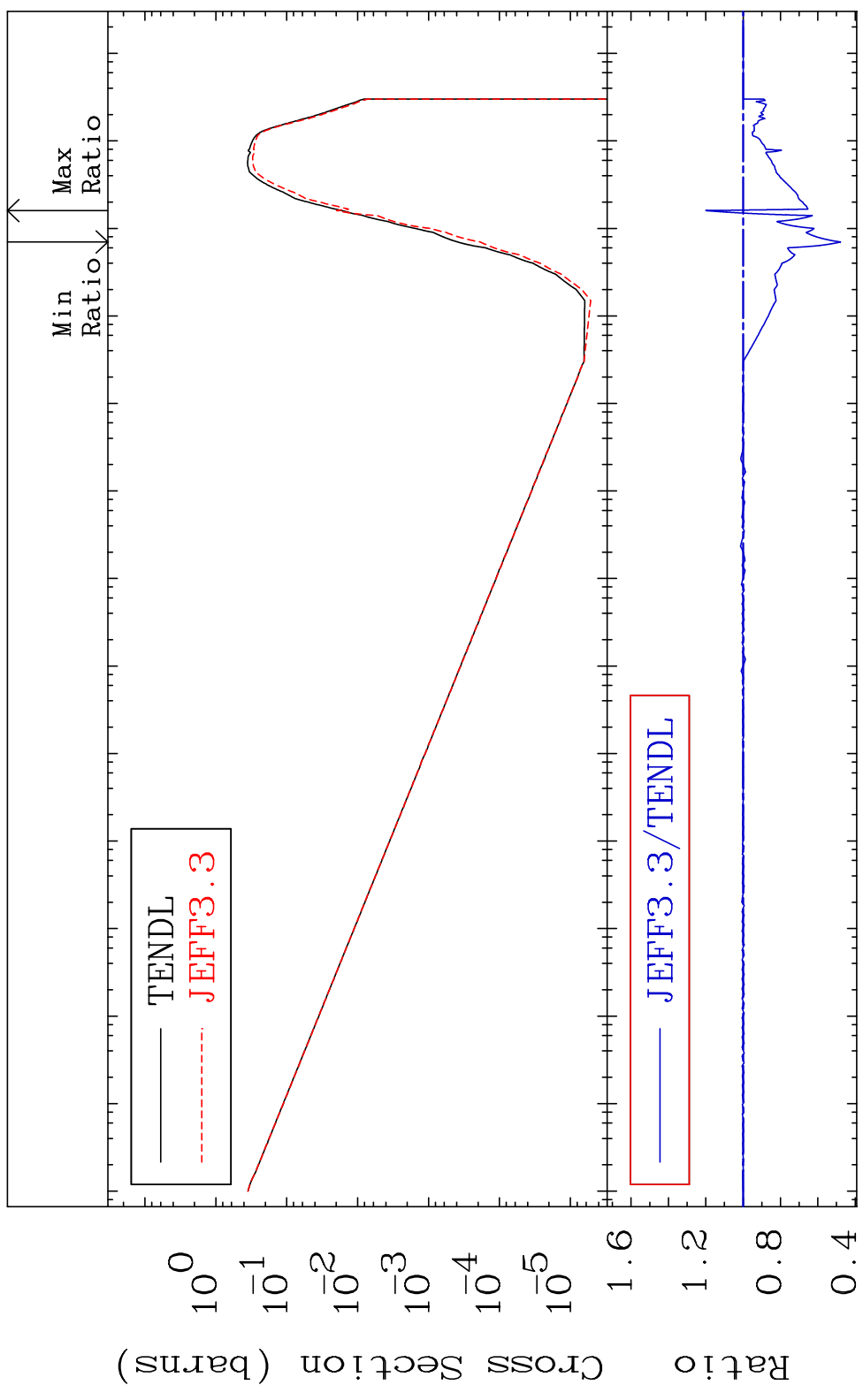
41 Incident Energy (eV) 16-S -32

MAT 1625

(n,  $\alpha$ )

16-S -32

Cross Section -52.07 To 20.04 %



42

Incident Energy (eV)

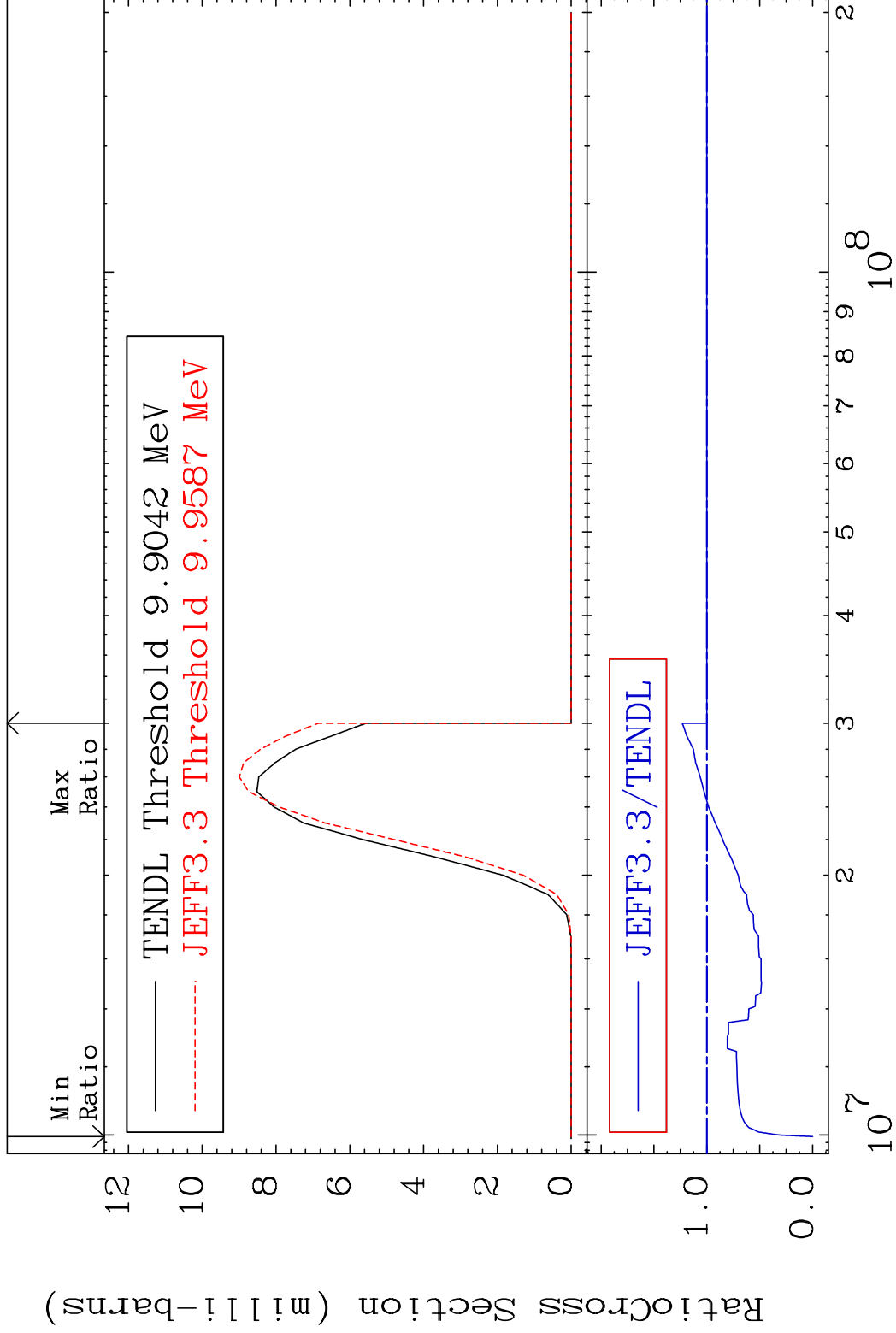
16-S -32

MAT 1625

(n,2α)

16-S -32

Cross Section -100.0 To 23.14 %

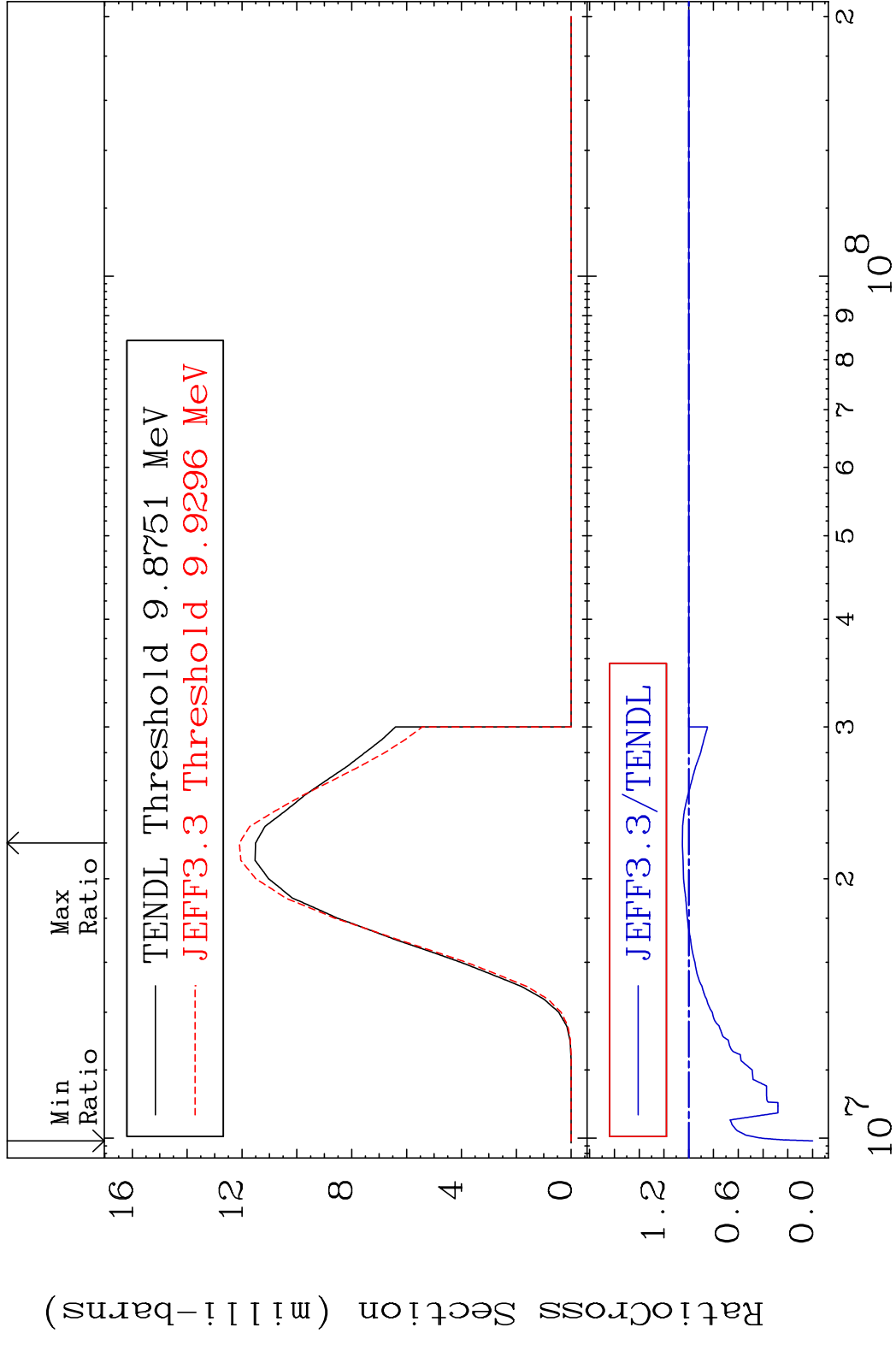


43

Incident Energy (eV)

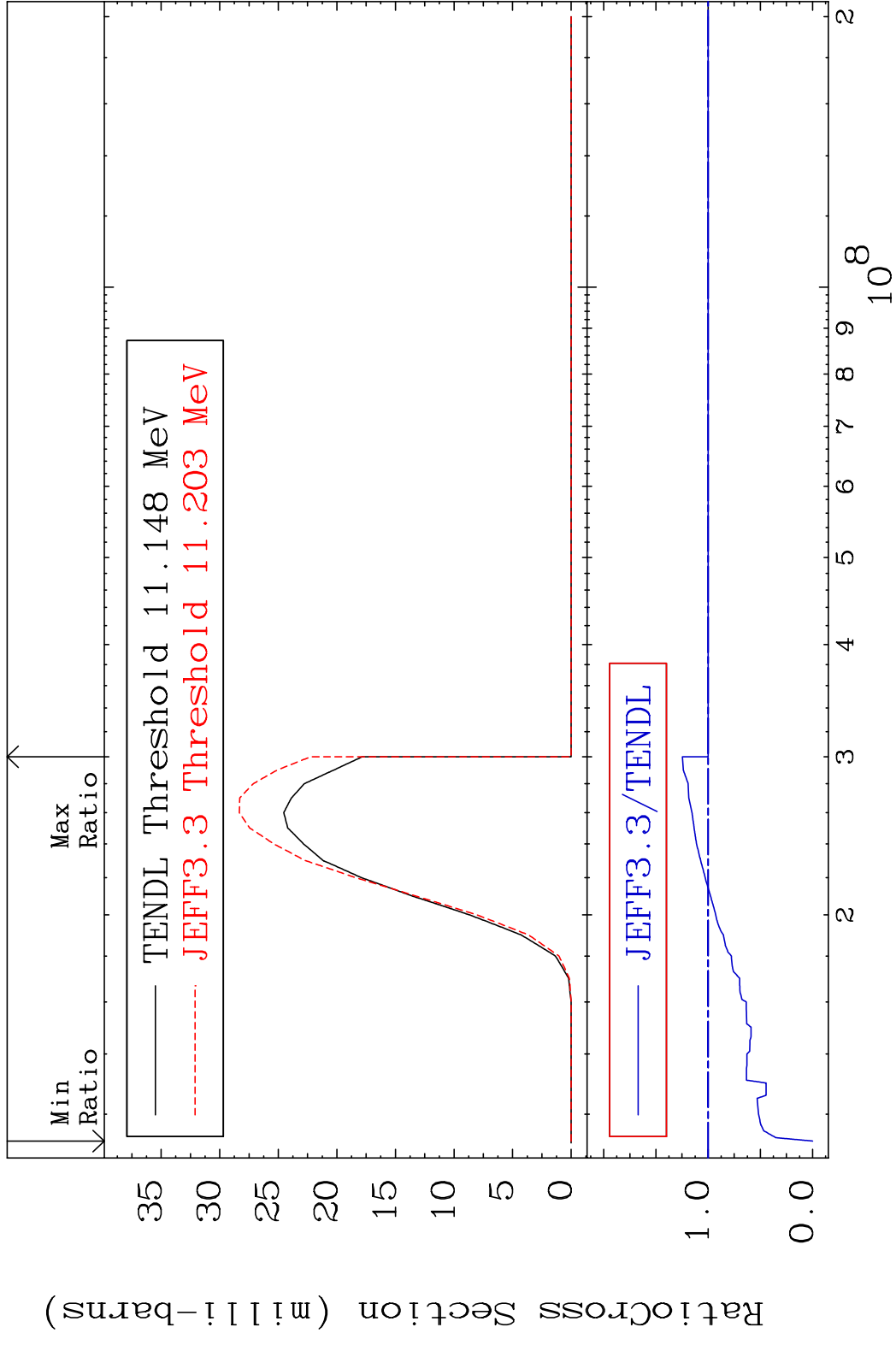
16-S -32

MAT 1625 (n,2p) 16-S -32  
 Cross Section -100.0 To 5.142 %

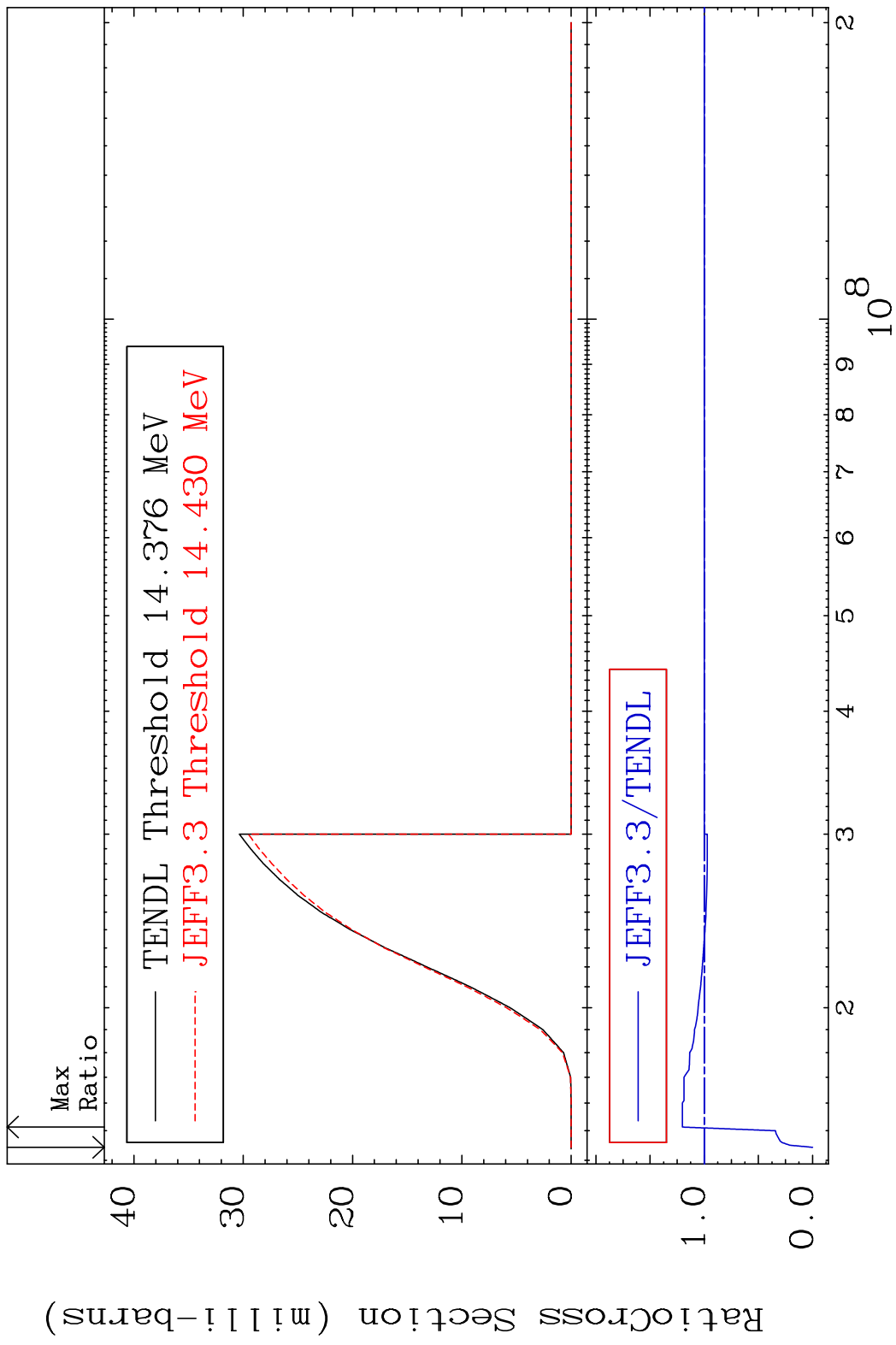


44 Incident Energy (eV) 16-S -32

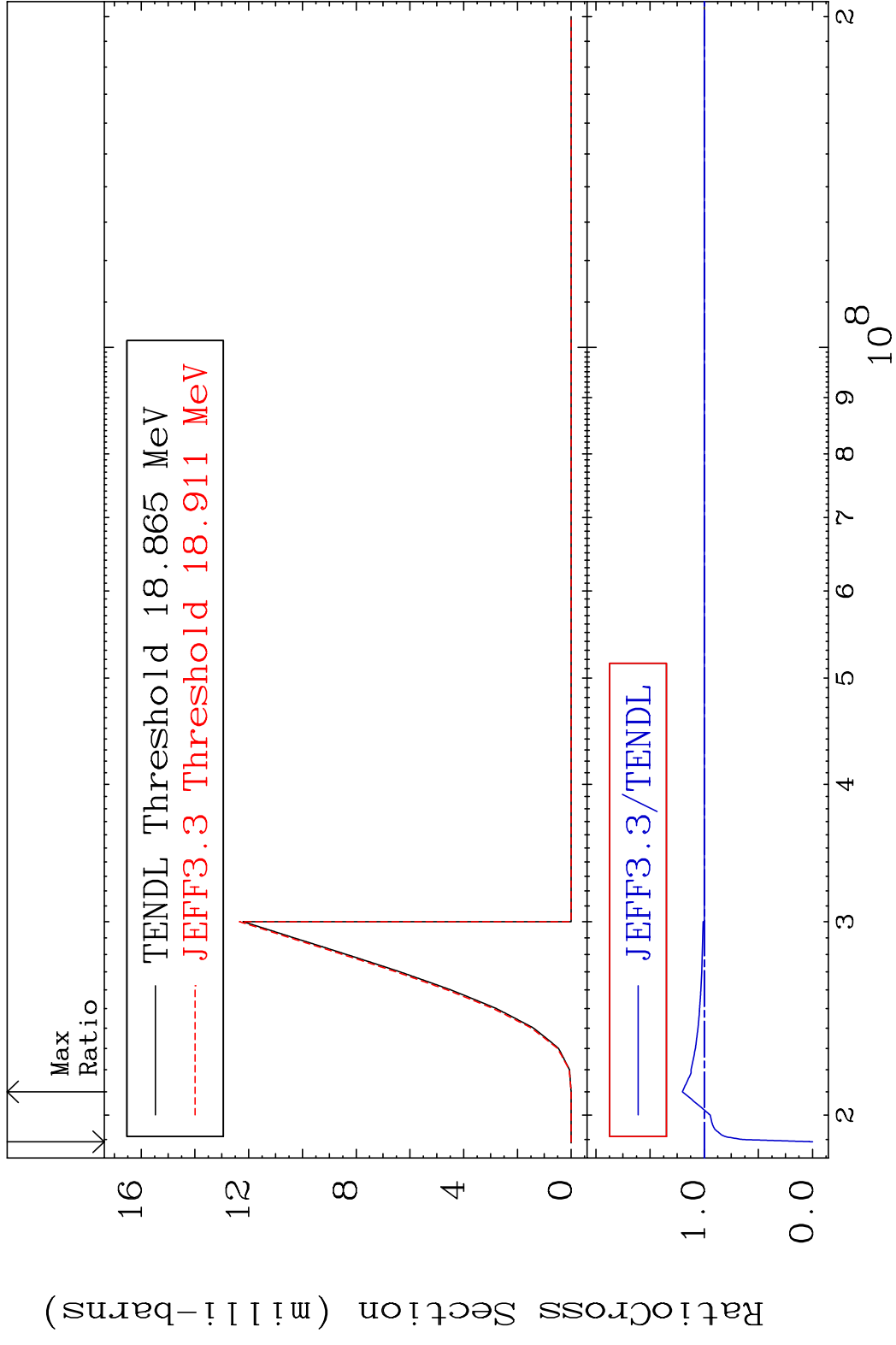
MAT 1625 (n,p)  $\alpha$  16-S -32  
 Cross Section -100.0 To 24.70 %



MAT 1625 (n,p) d 16-S -32  
 Cross Section -100.0 To 20.22 %

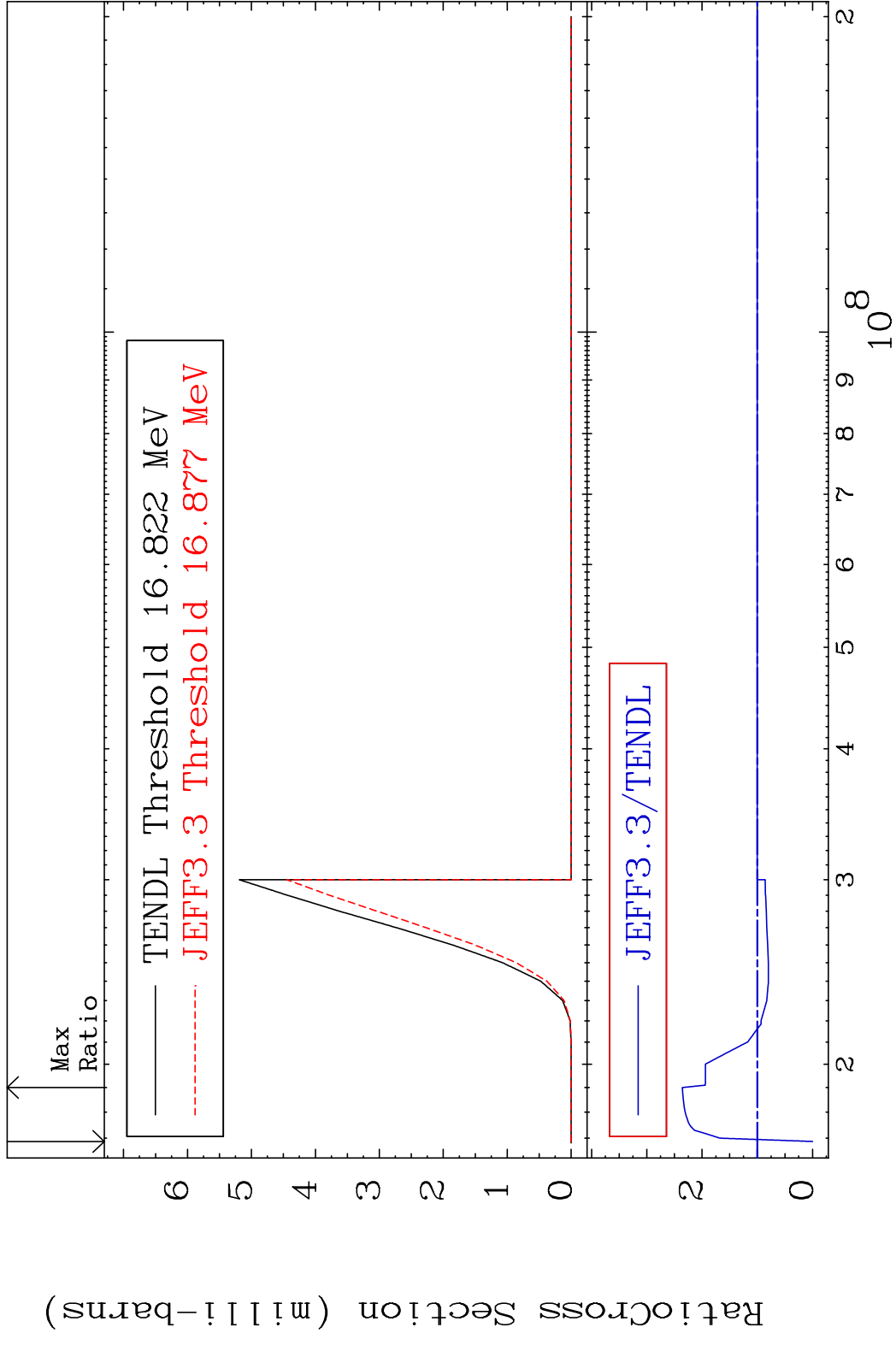


MAT 1625 (n,p) t 16-S -32  
 Cross Section -100.0 To 20.17 %





MAT 1625 (n,d)  $\alpha$  16-S -32  
 Cross Section -100.0 To 135.6 %

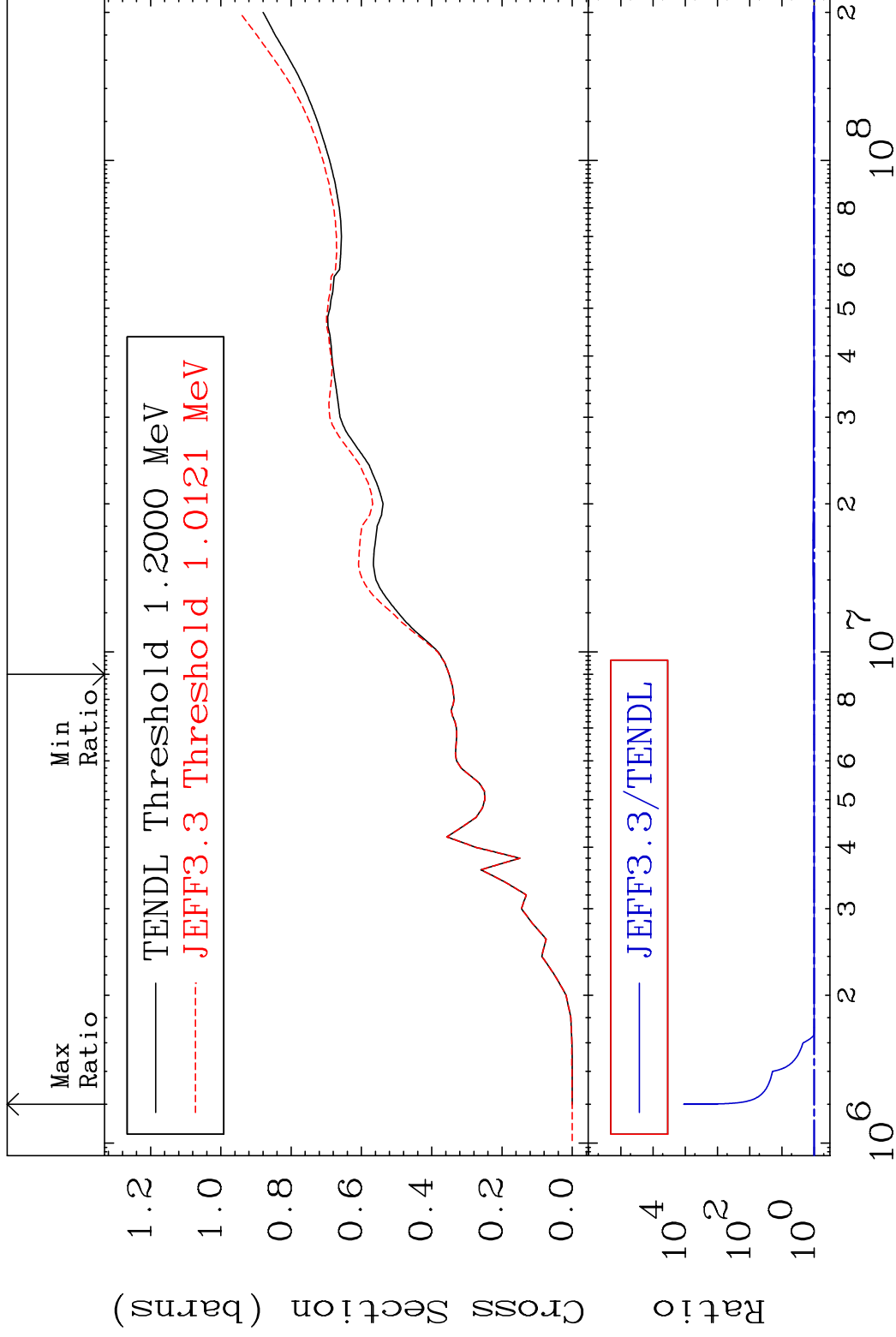


MAT 1625

Hydrogen Production

16-S -32

Cross Section -0.066 To 9999. %



49

Incident Energy (eV)

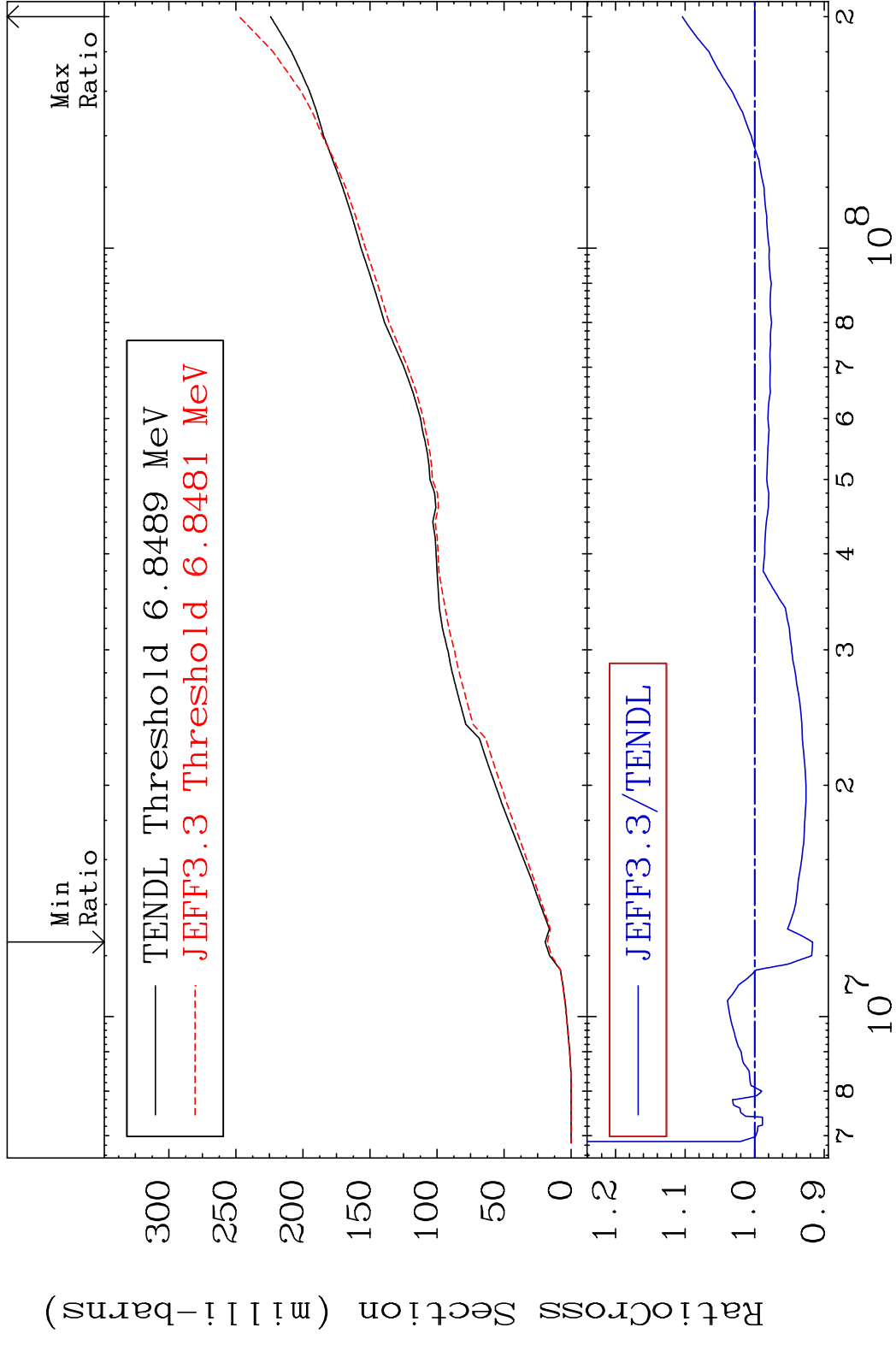
16-S -32

MAT 1625

Deuterium Production

16-S -32

Cross Section -8.324 To 10.39 %

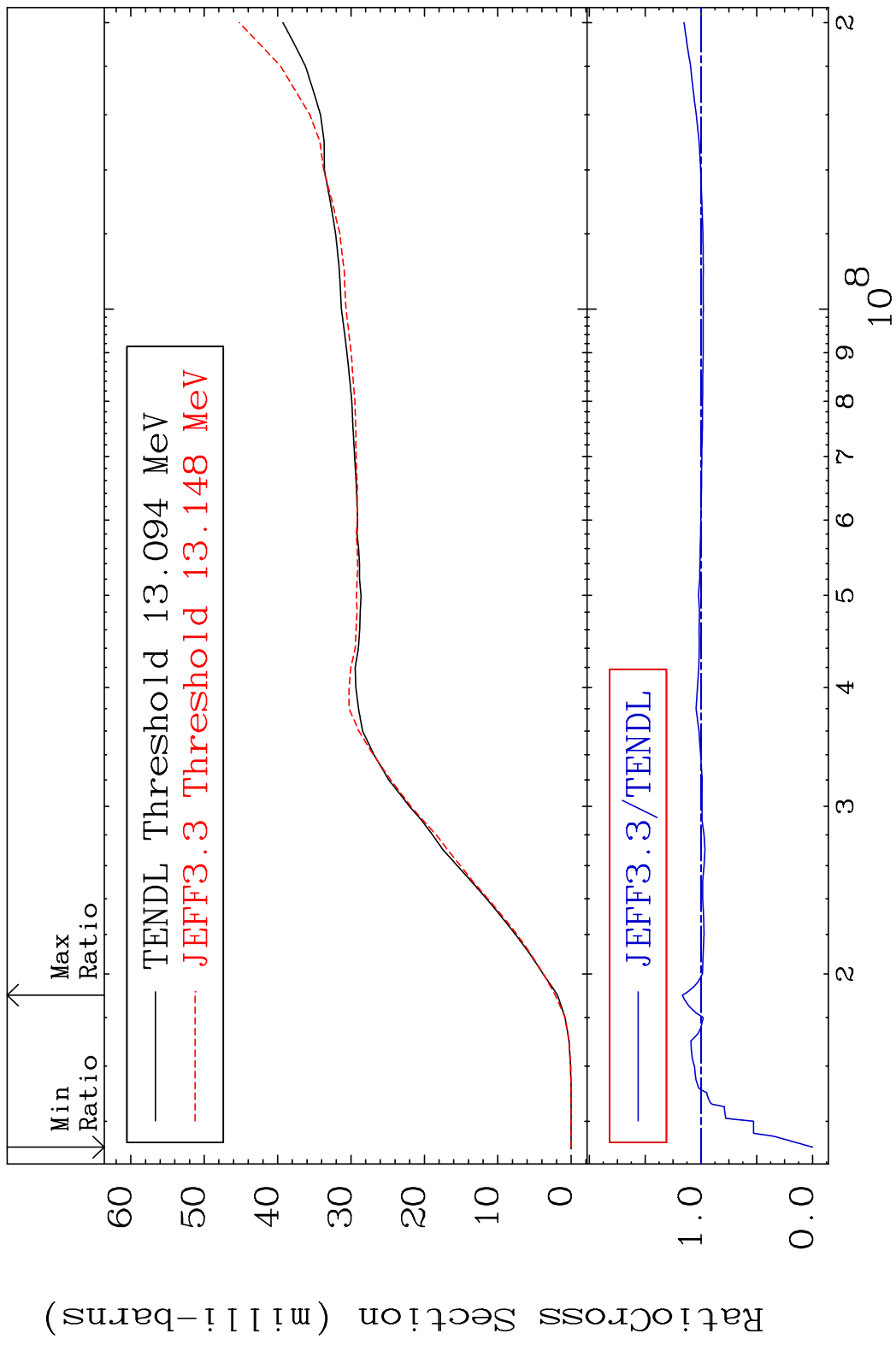


50

Incident Energy (eV)

16-S -32

MAT 1625 Tritium Production 16-S -32  
 Cross Section -100.0 To 16.70 %

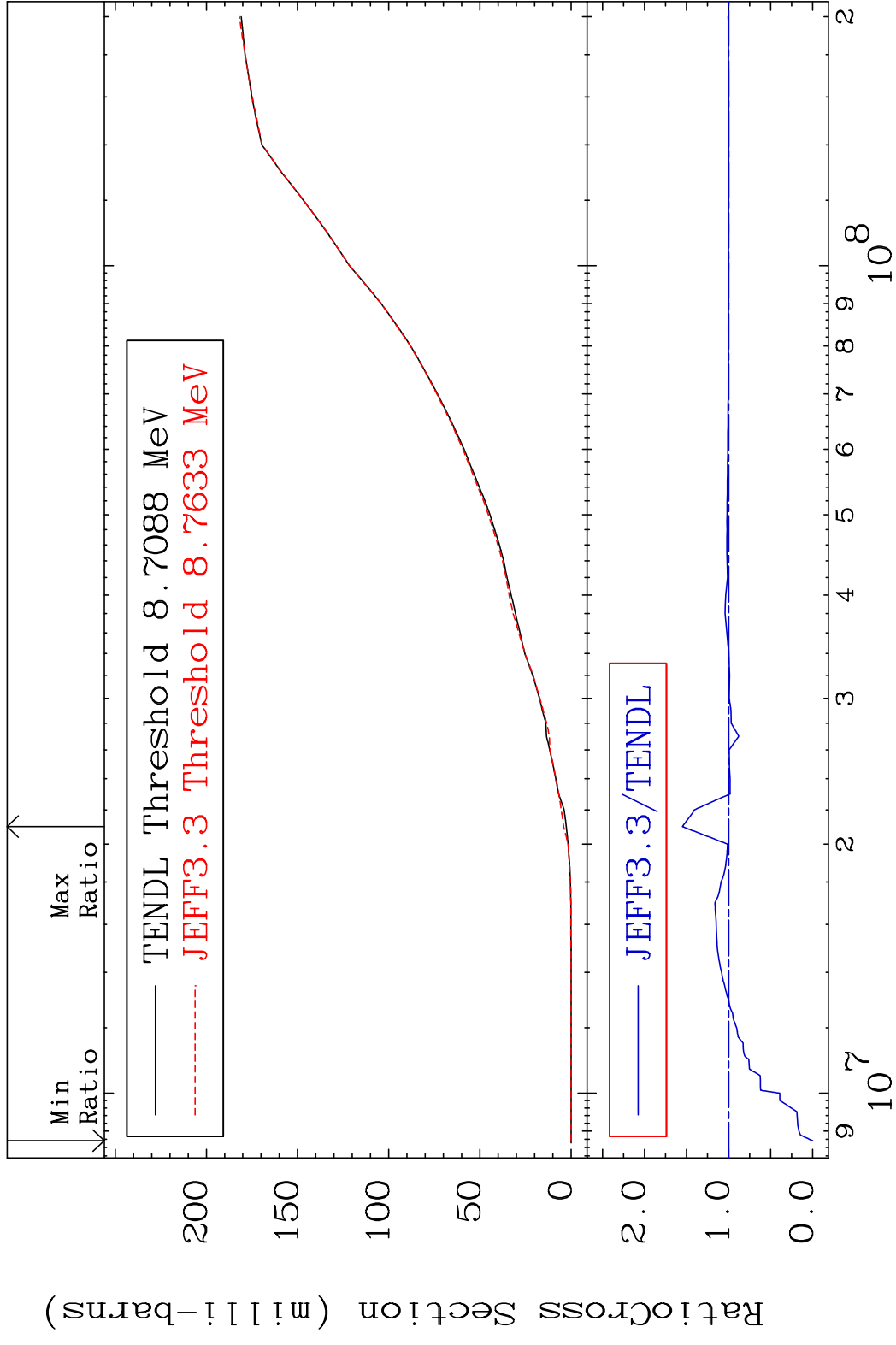


MAT 1625

He-3 Production

16-S -32

Cross Section -100.0 To 55.03 %



52

Incident Energy (eV)

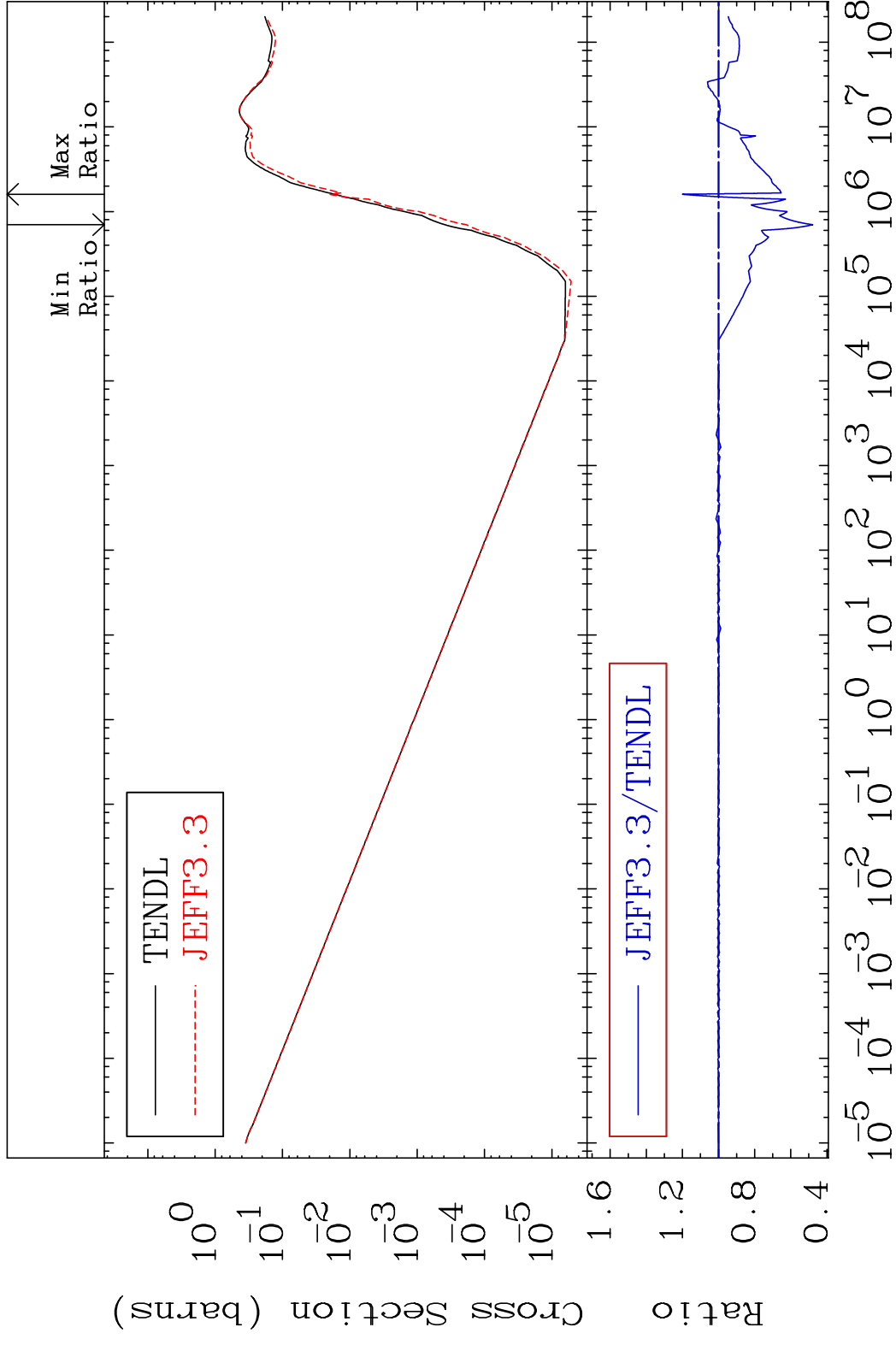
16-S -32

MAT 1625

He-4 Production

16-S -32

Cross Section -52.07 To 20.04 %

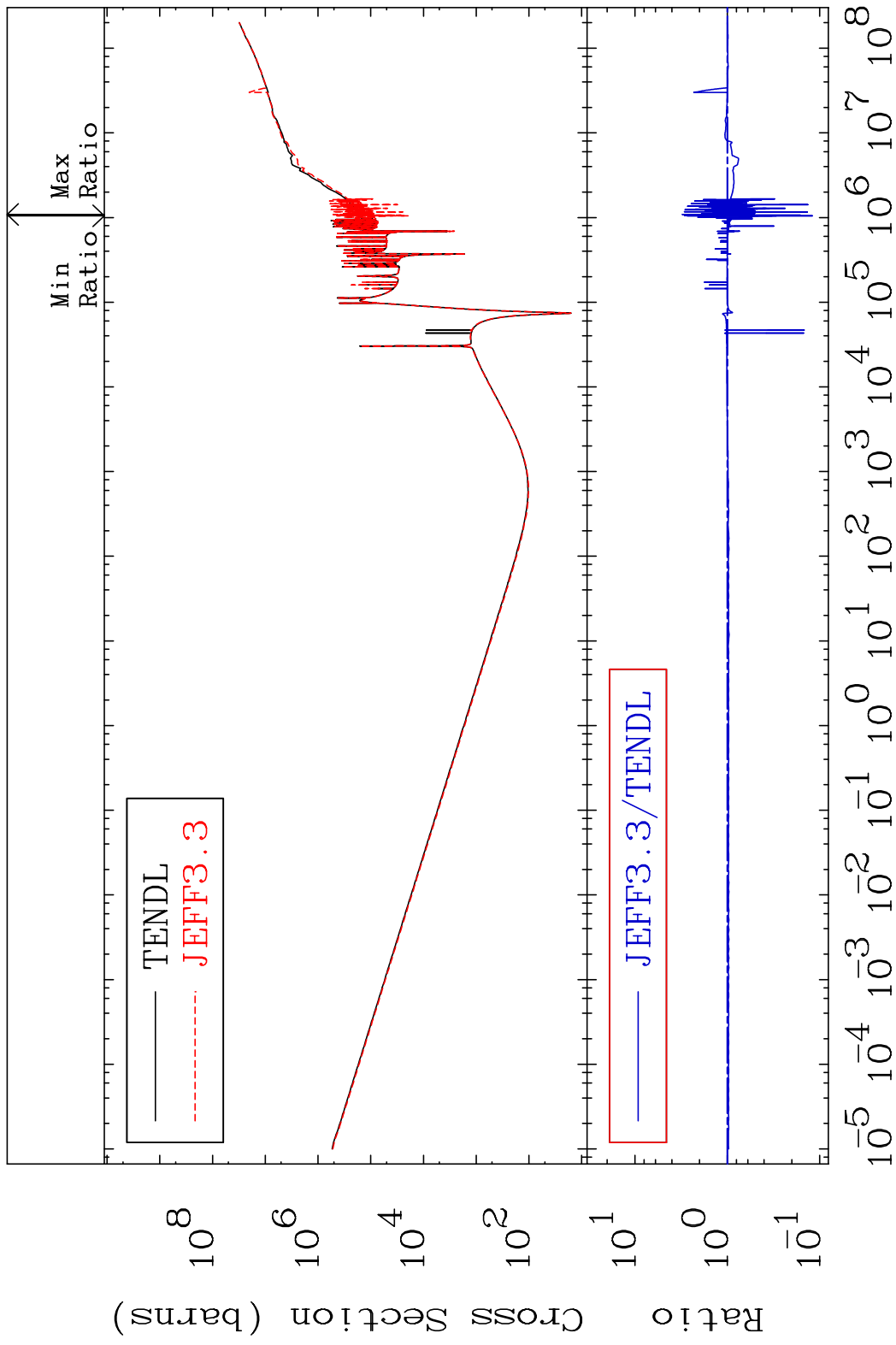


53

Incident Energy (eV)

16-S -32

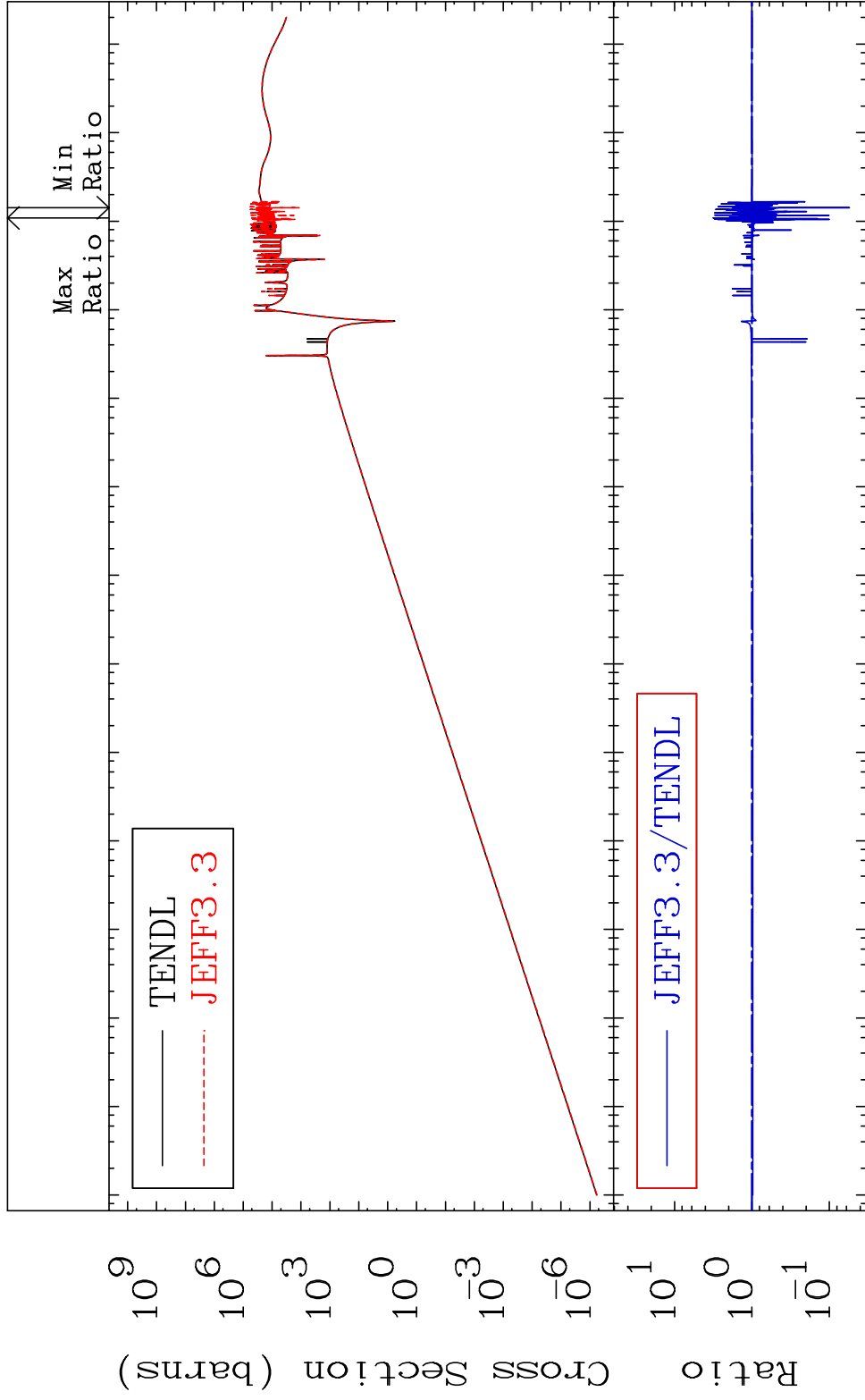
MAT 1625 Kerma total (eV-barns) 16-S -32  
 Cross Section -88.04 To 207.4 %



MAT 1625

Kerma elastic  
Cross Section

16-S -32  
-94.46 To 216.7 %



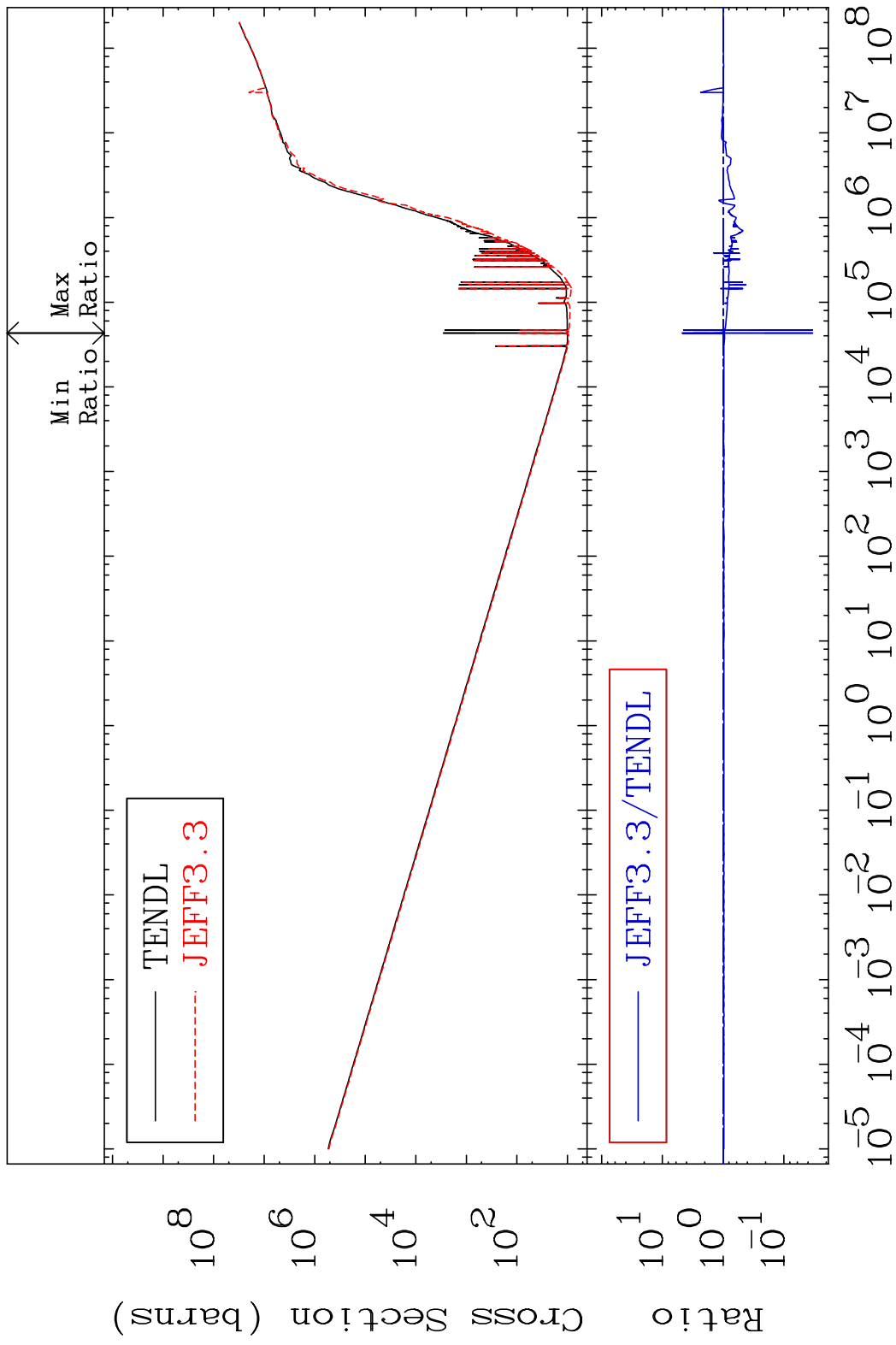
55

Incident Energy (eV)

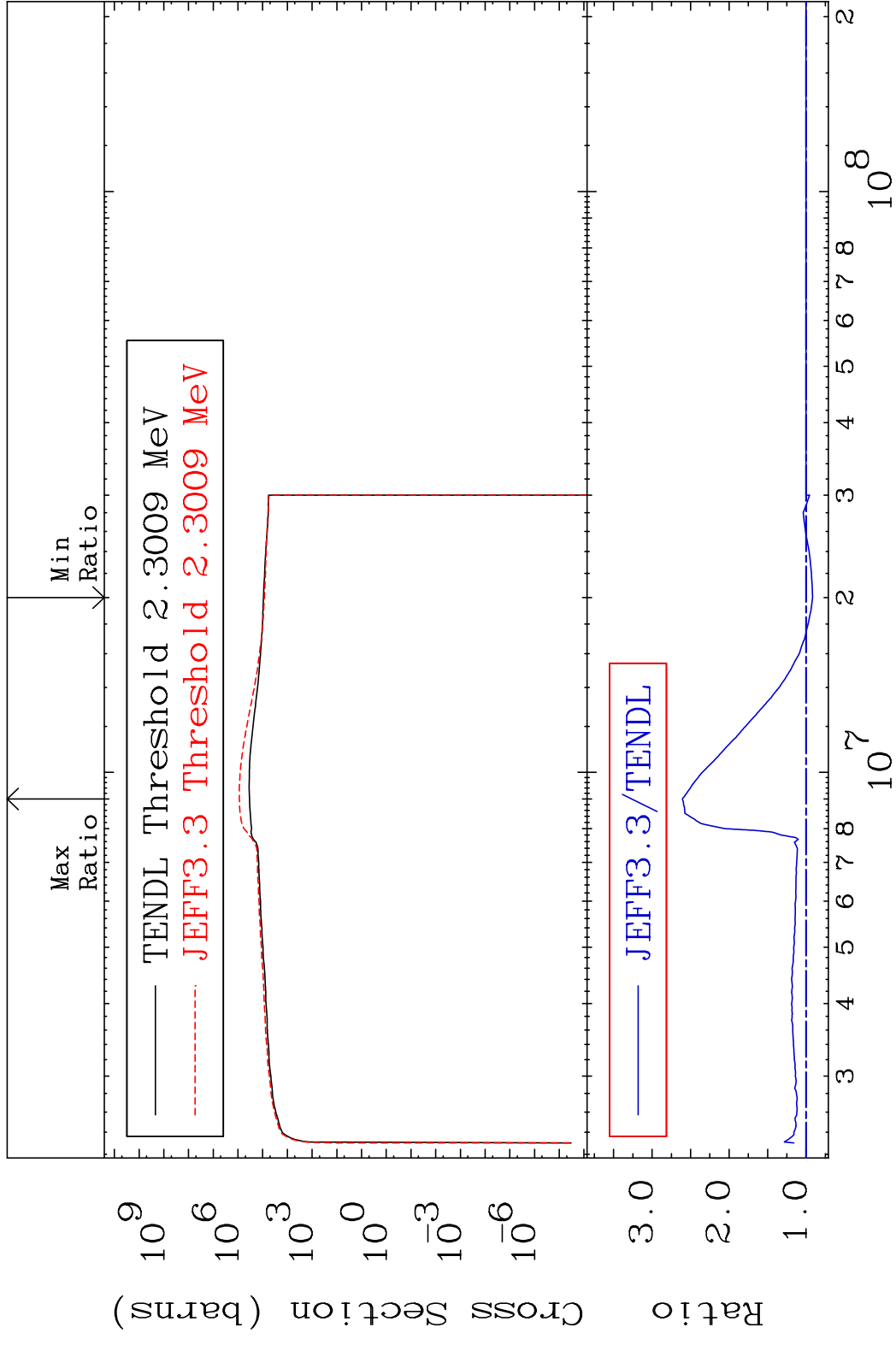
16-S -32



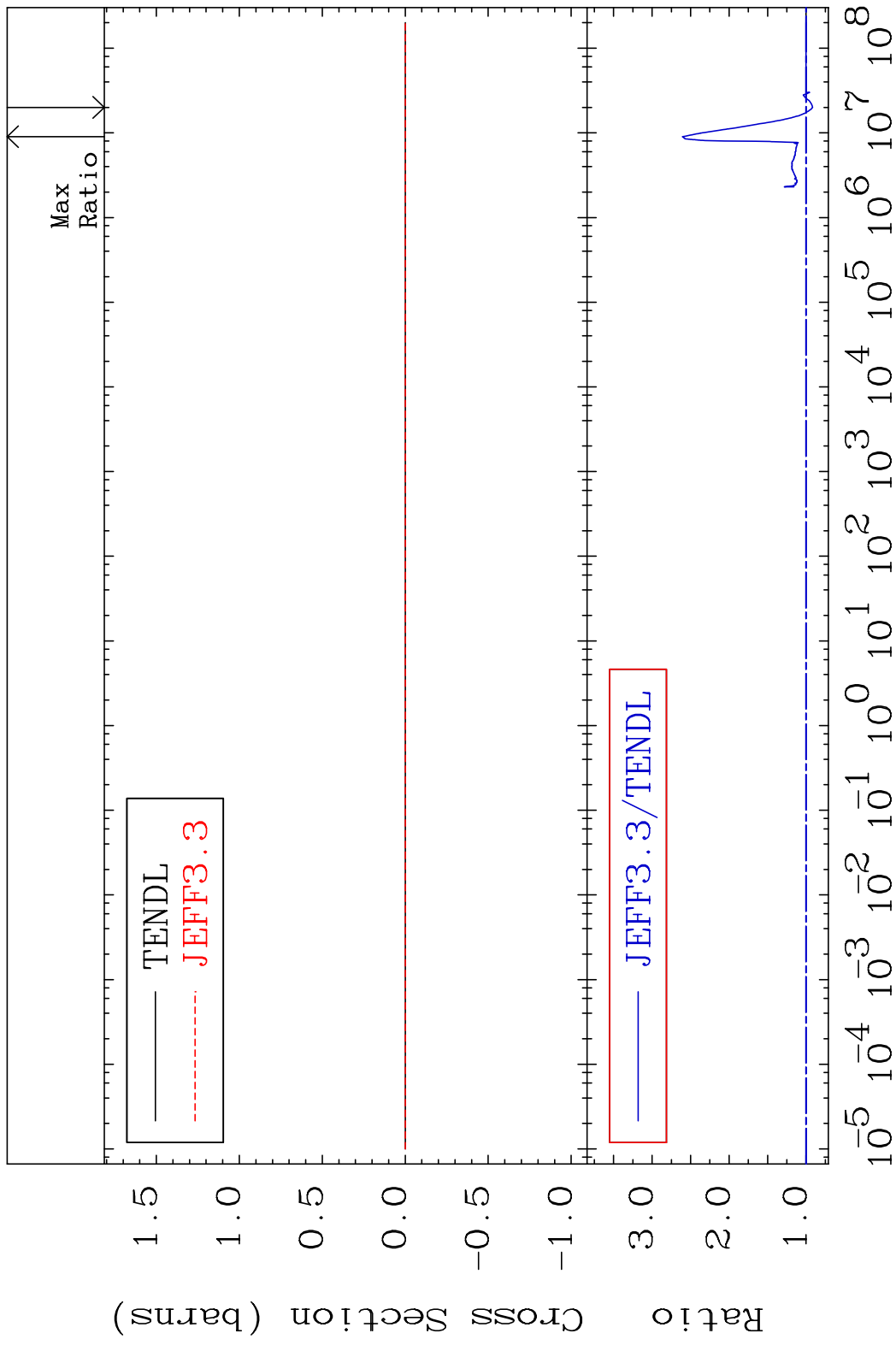
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32  
 Cross Section -96.64 To 369.5 %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32  
 Cross Section -8.410 To 160.7 %

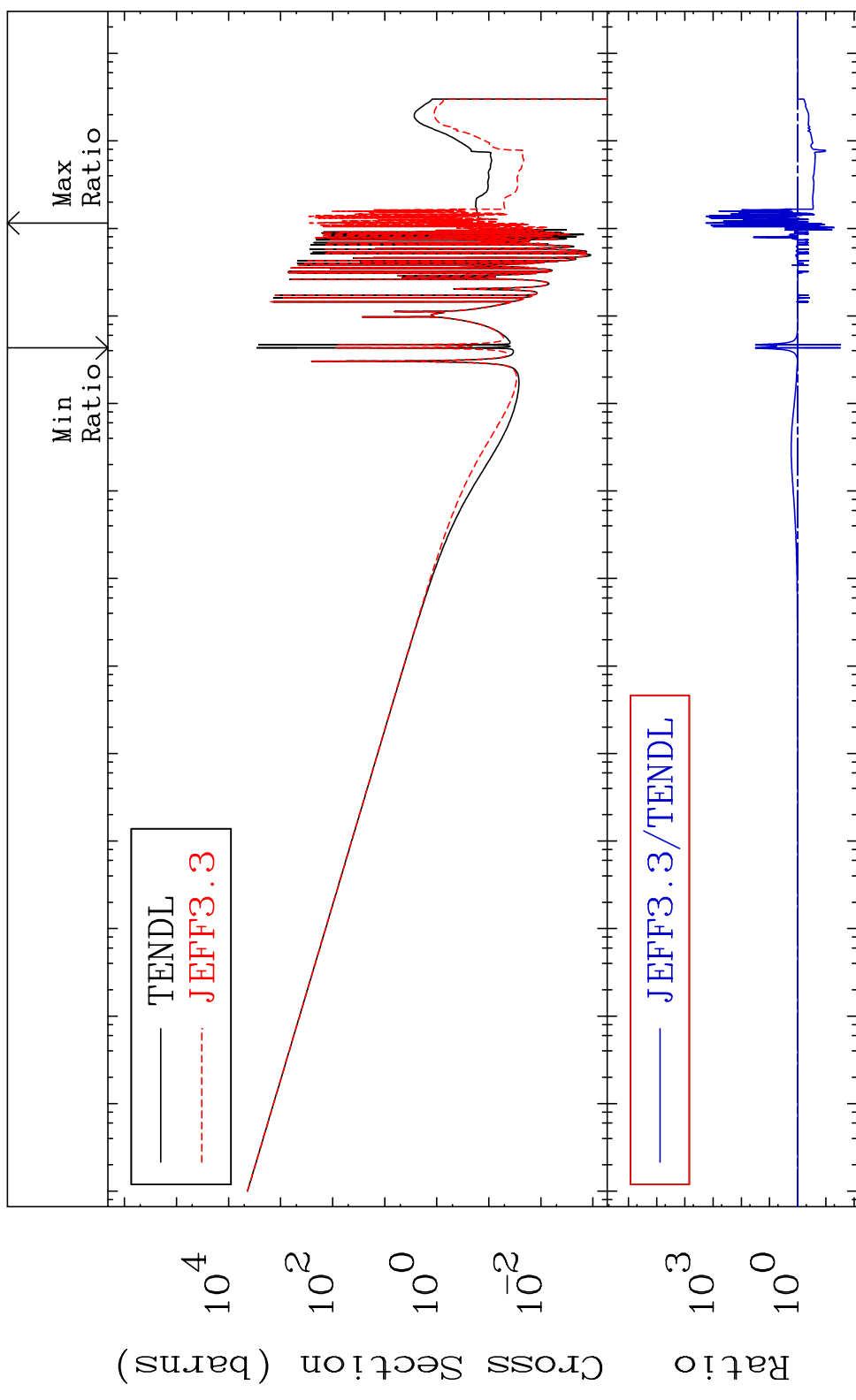


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32  
 Cross Section -8.410 To 160.7 %



MAT 1625

Kerma capture (mt102) 16-S -32  
Cross Section -96.95 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>

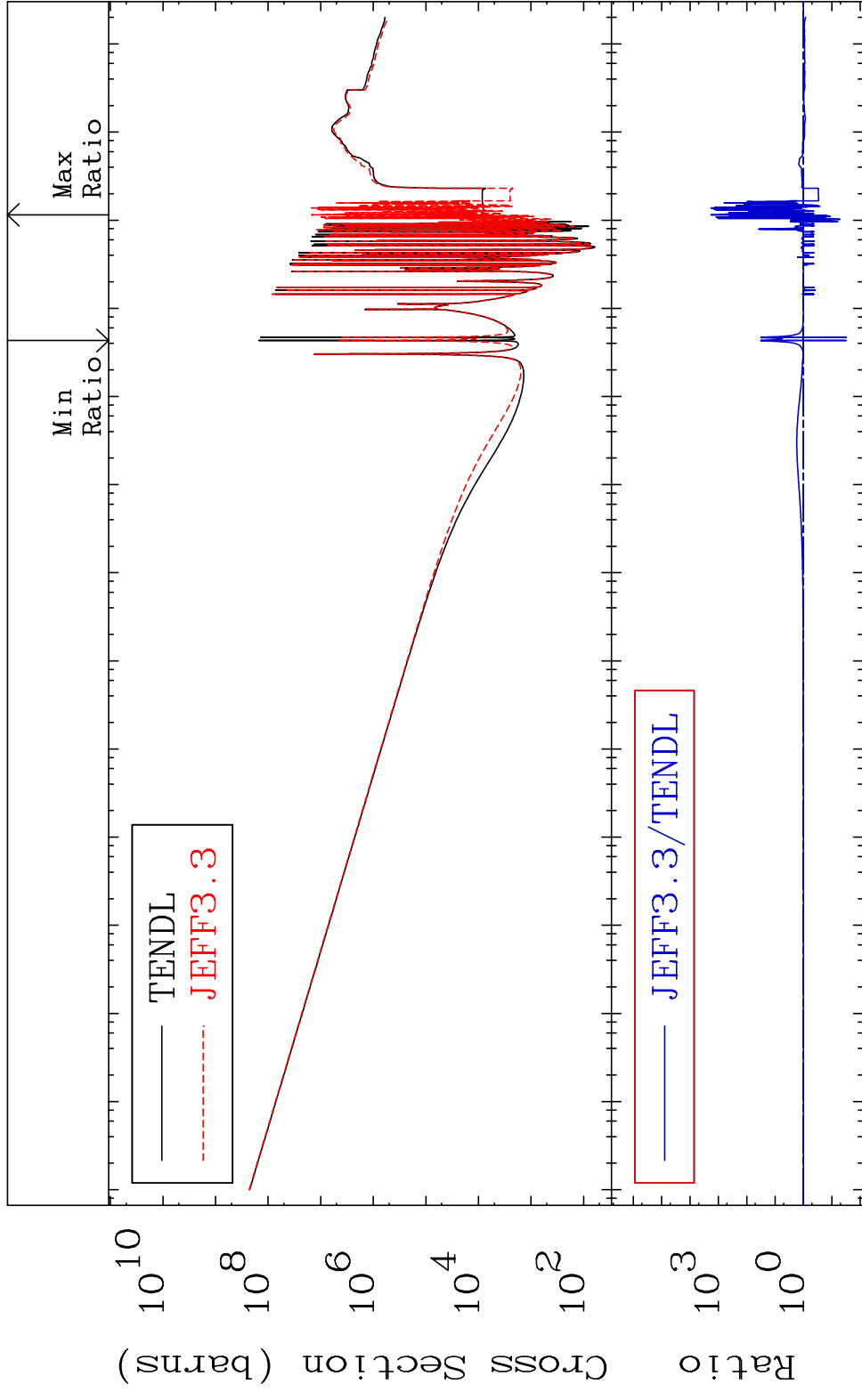
59

Incident Energy (eV)

16-S -32

MAT 1625

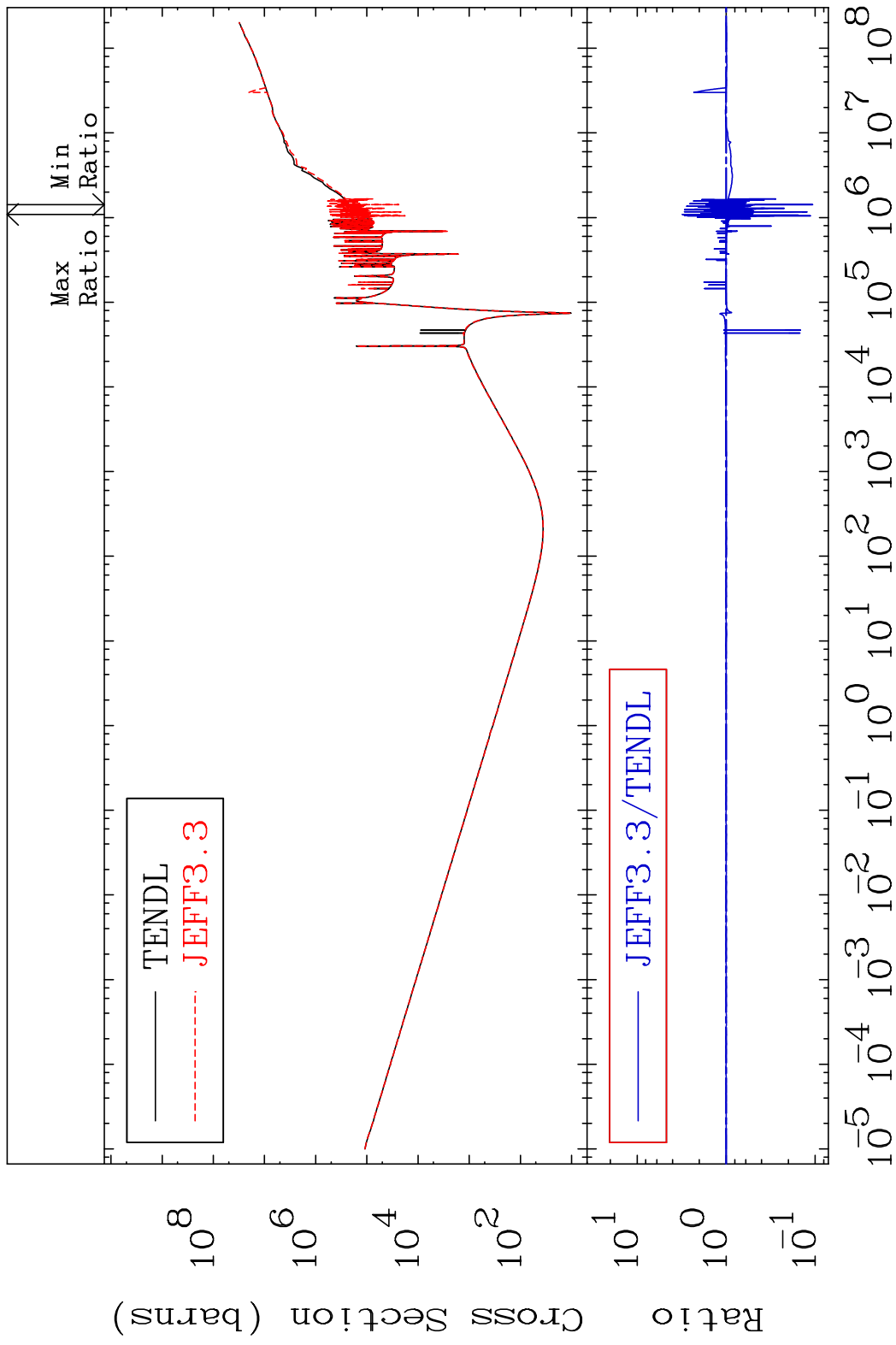
Total photon (eV-barns) 16-S -32  
Cross Section -96.91 To 9999. %



60

Incident Energy (eV) 16-S -32

MAT 1625 Total kinematic kerma (high limit) 16-S -32  
 Cross Section -89.30 To 210.4 %

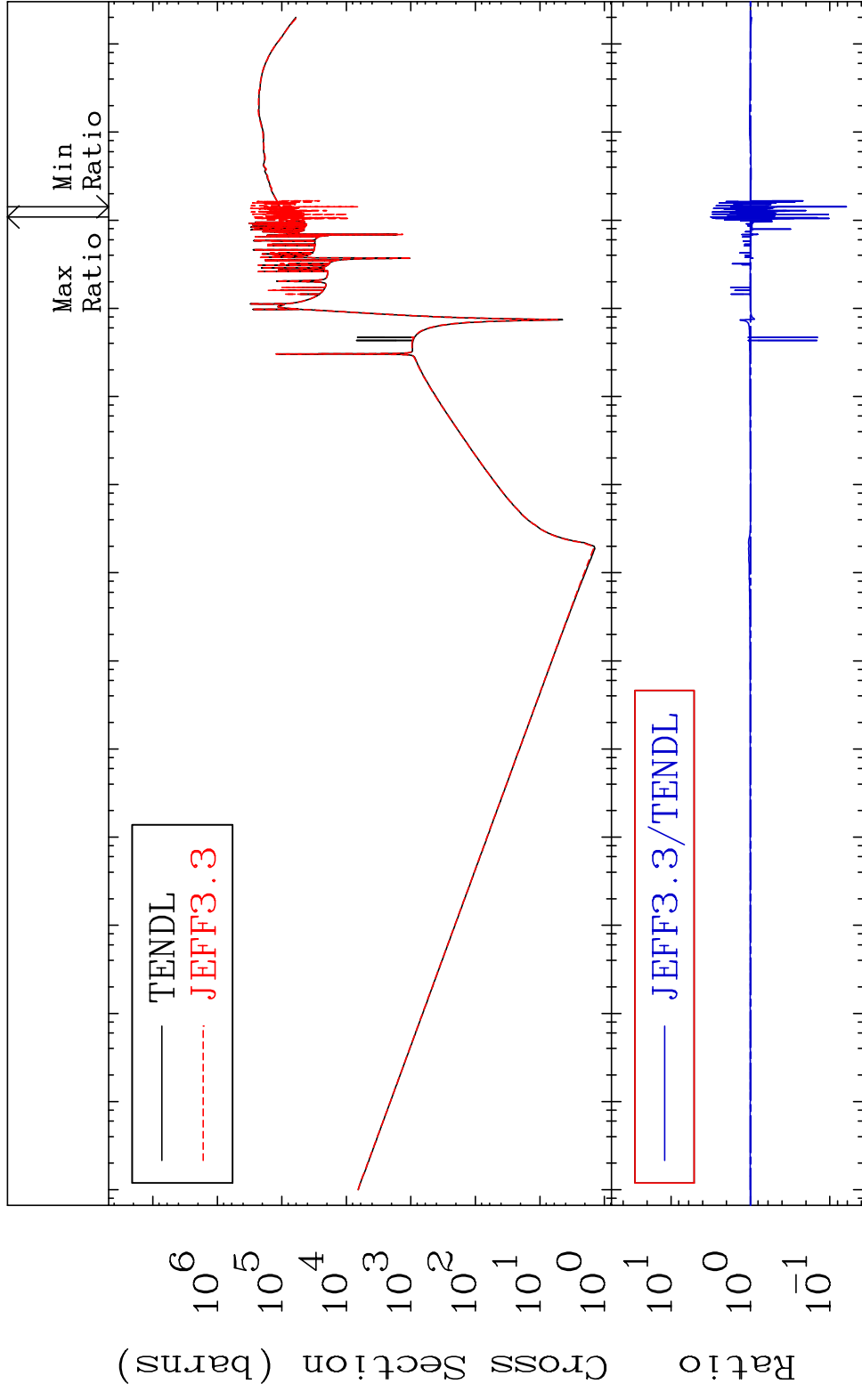


MAT 1625

Dpa total (eV-barns)

16-S -32

Cross Section -93.81 To 216.0 %

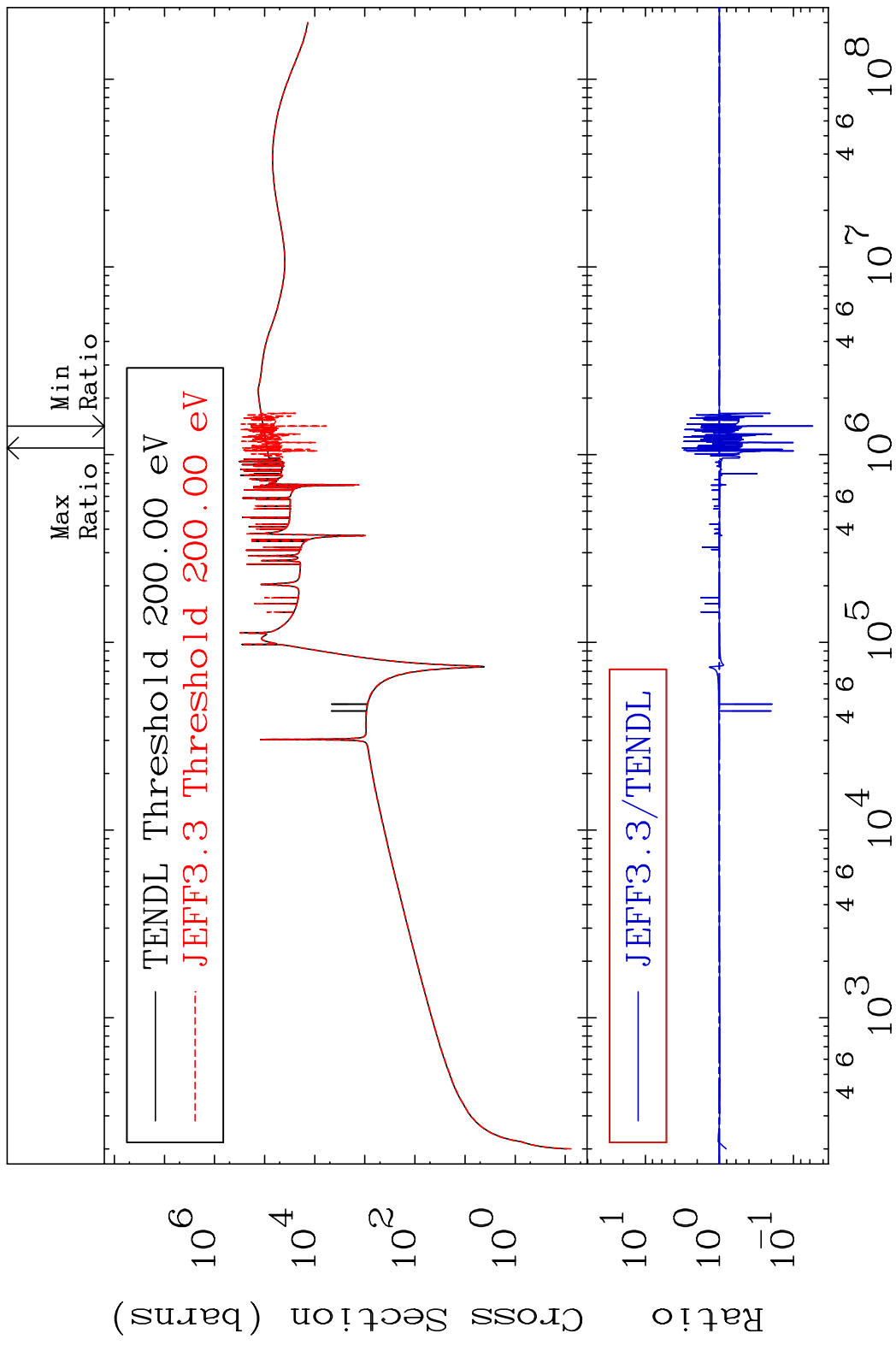


62

Incident Energy (eV)

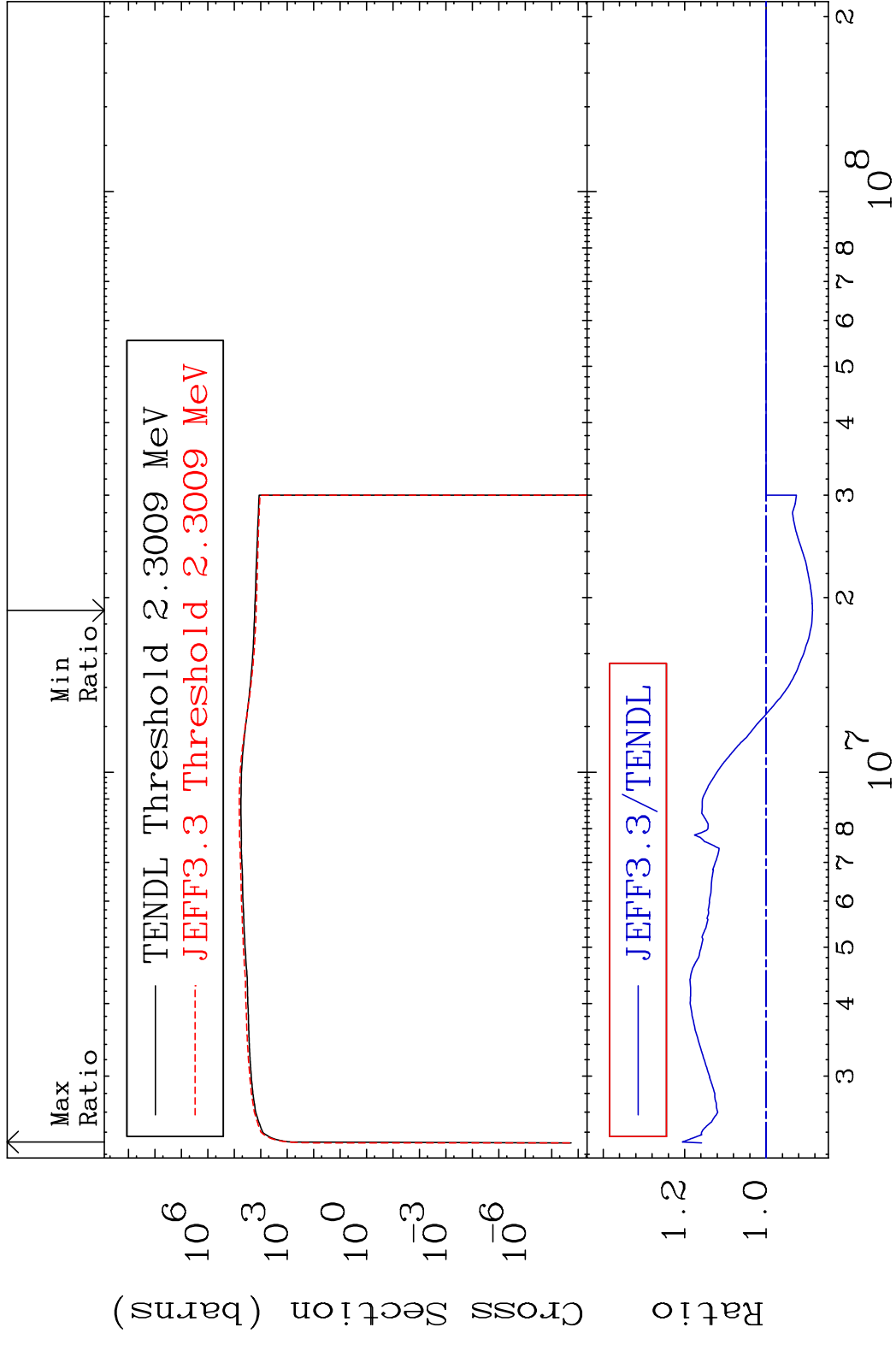
16-S -32

MAT 1625 Dpa elastic (mt2) 16-S -32  
 Cross Section -94.46 To 216.6 %

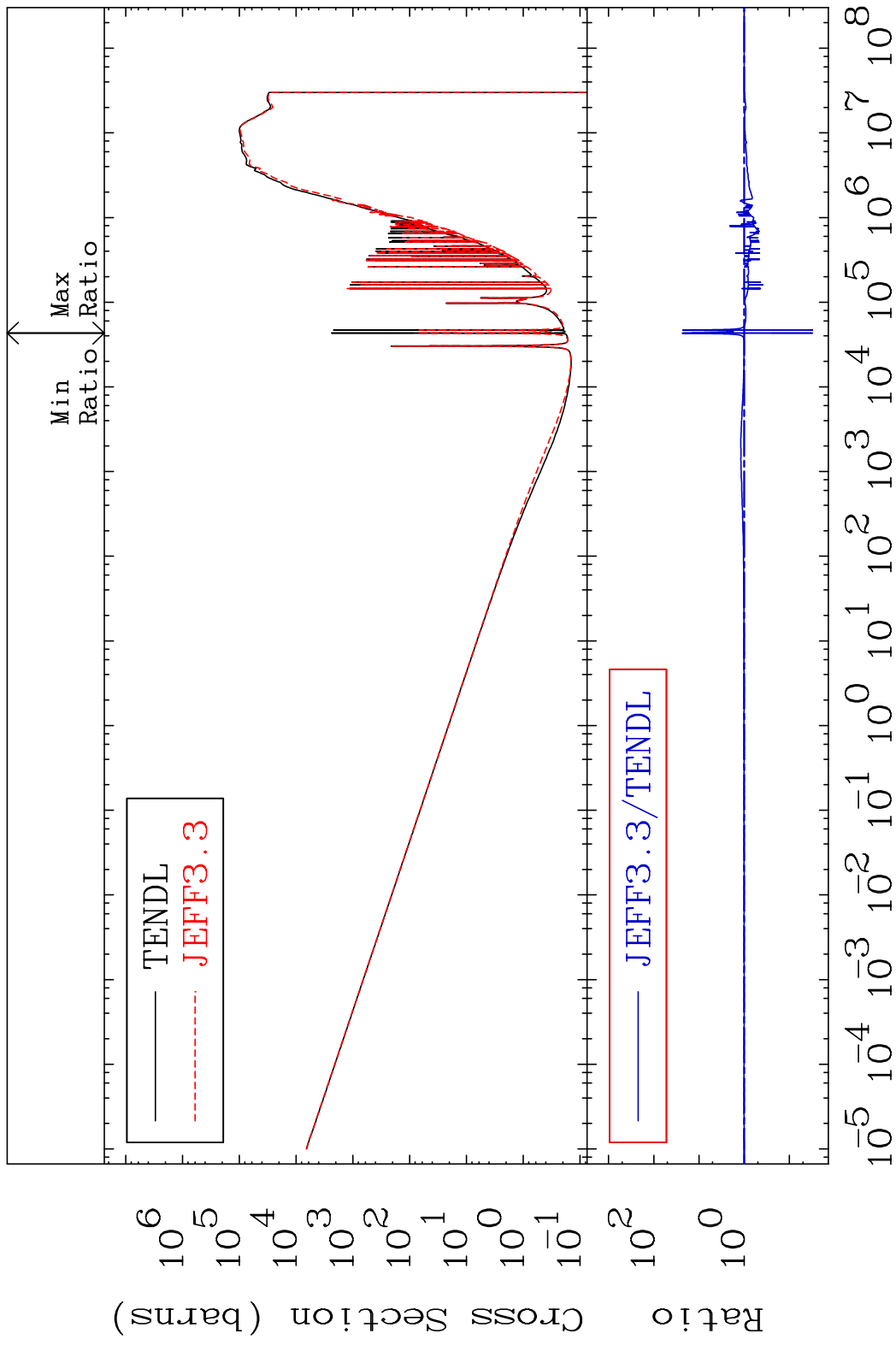




MAT 1625 Dpa inelastic (mt51-91) 16-S -32  
 Cross Section -11.41 To 20.57 %



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32  
 Cross Section -96.93 To 2232. %



65 Incident Energy (eV) 16-S -32