

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

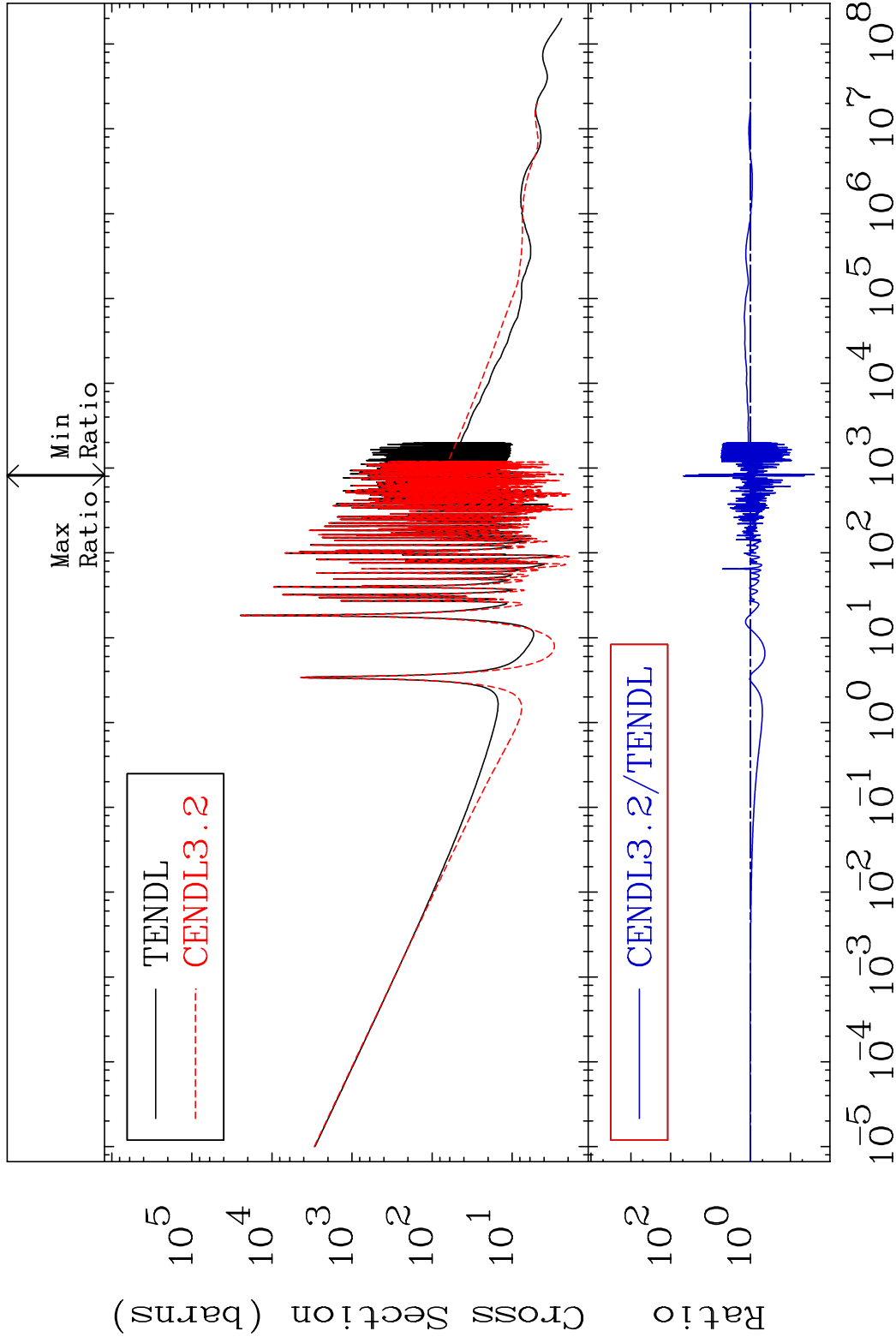
MAT 6234

Total

62-Sm-147

Cross Section

-97.47 To 4632. %



1

Incident Energy (eV)

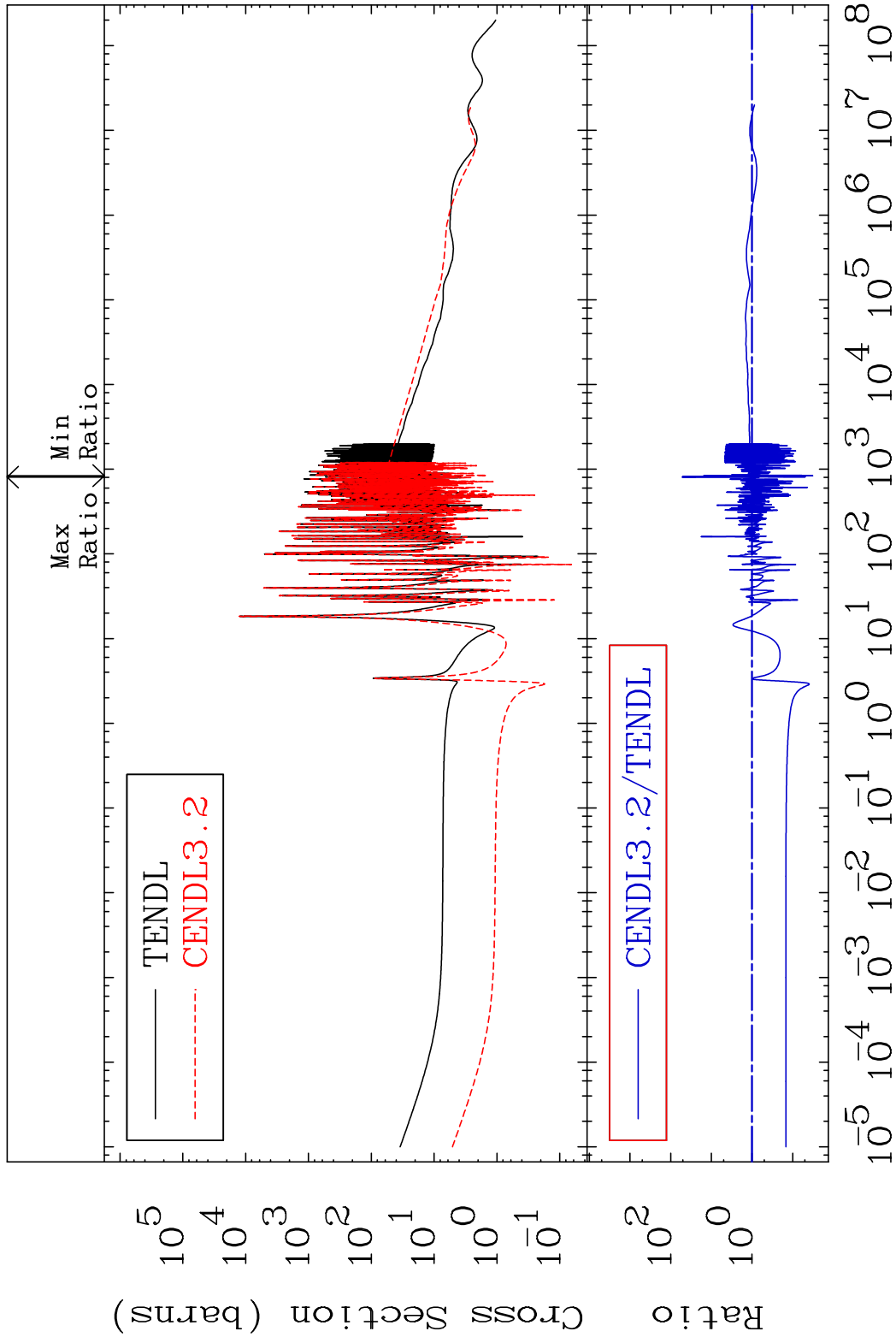
62-Sm-147

MAT 6234

Elastic

62-Sm-147

Cross Section -96.76 To 5060. %



2

Incident Energy (eV)

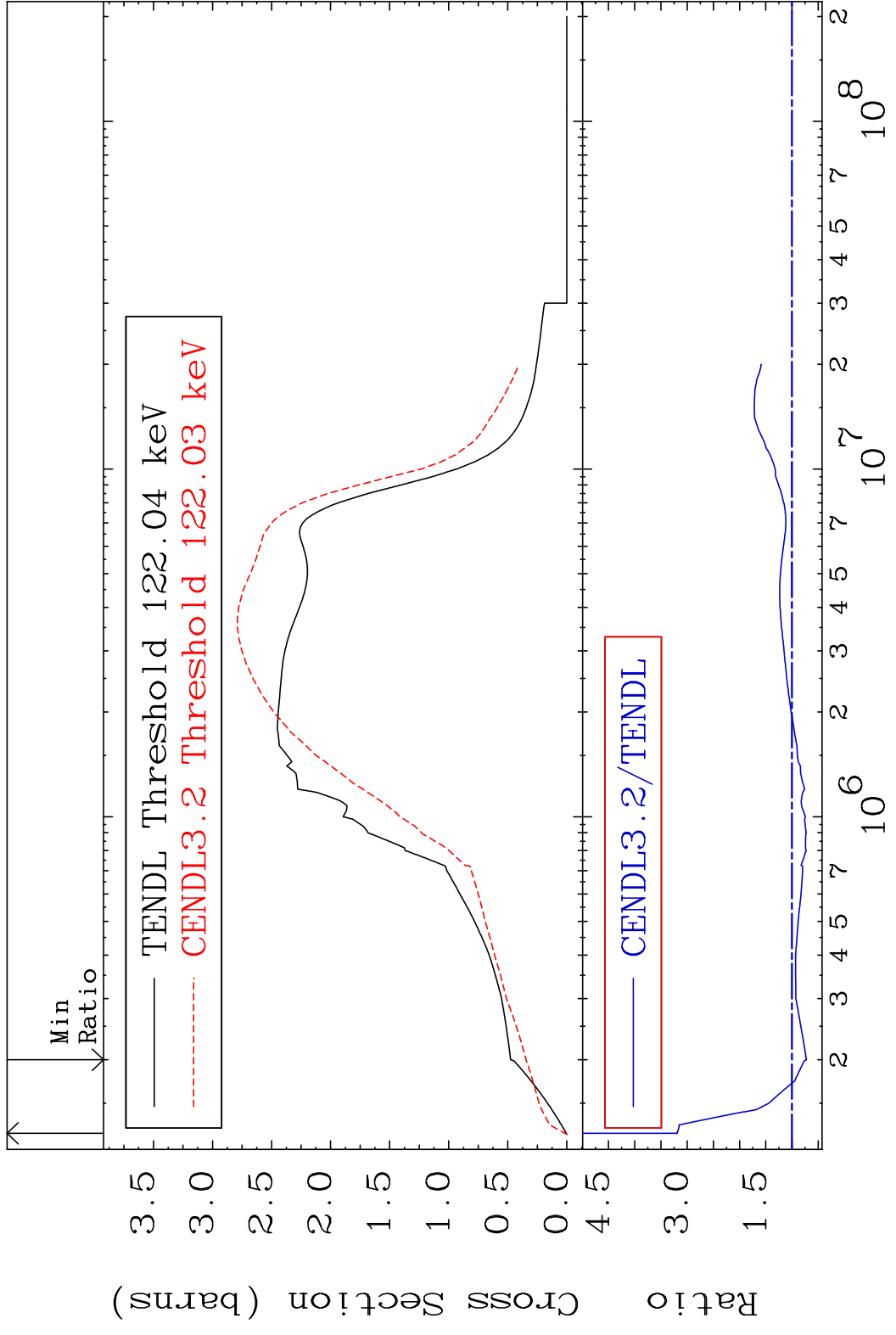
62-Sm-147

MAT 6234

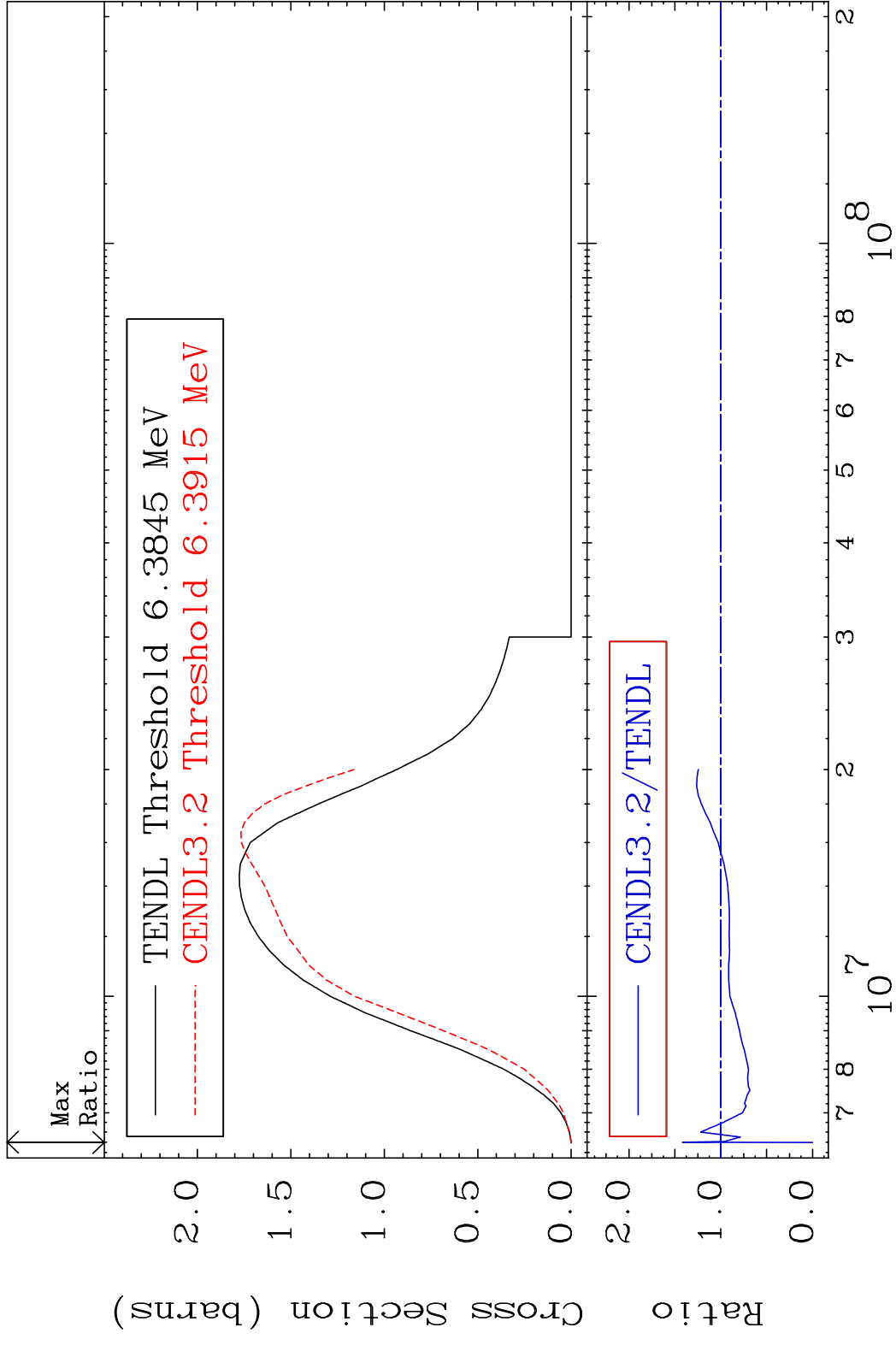
Inelastic

62-Sm-147

Cross Section -27.48 To 219.0 %



MAT 6234 (n,2n) 62-Sm-147  
 Cross Section -100.0 To 41.81 %



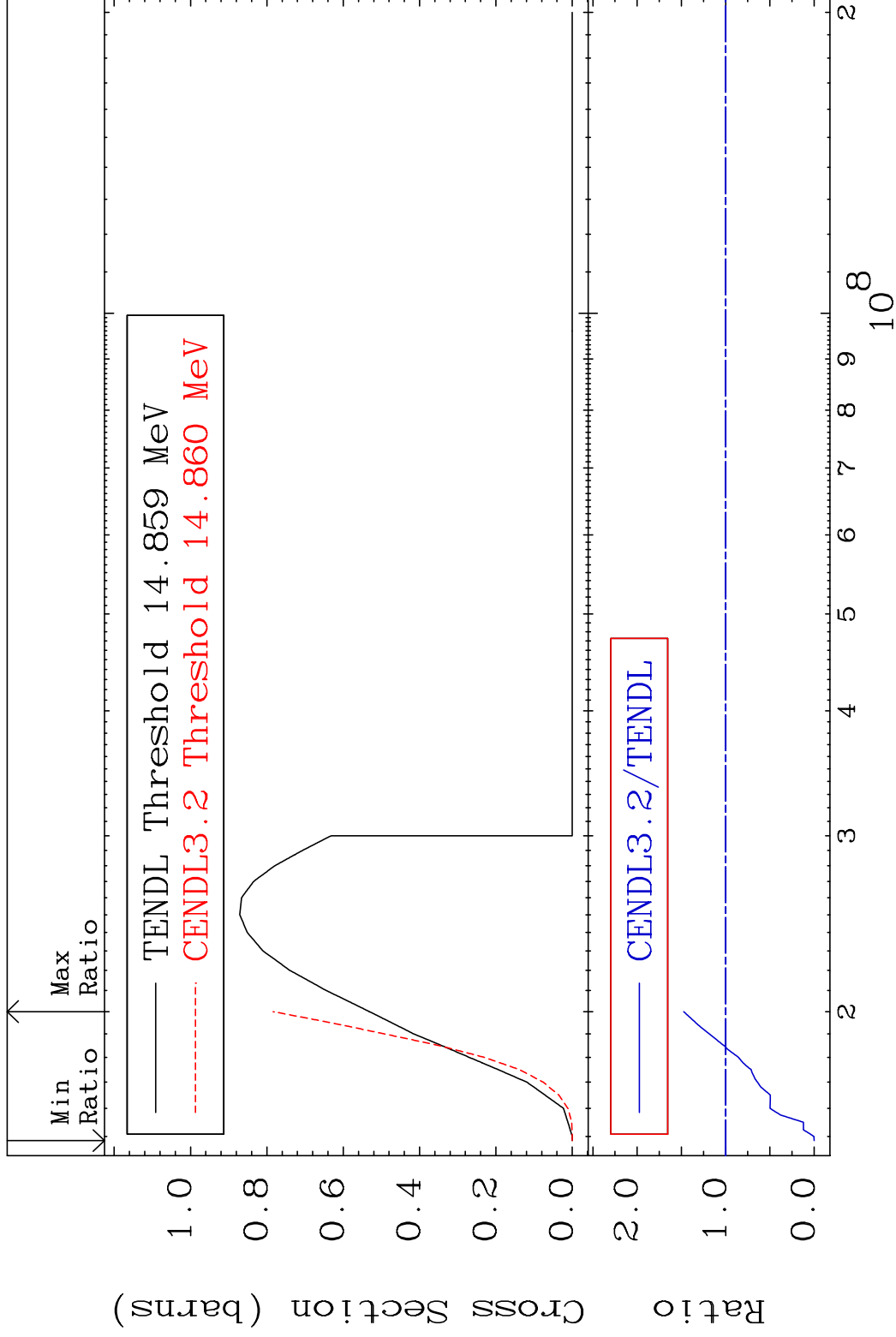
4 Incident Energy (eV) 62-Sm-147

MAT 6234

(n,3n)

62-Sm-147

Cross Section -100.0 To 47.43 %



5

Incident Energy (eV)

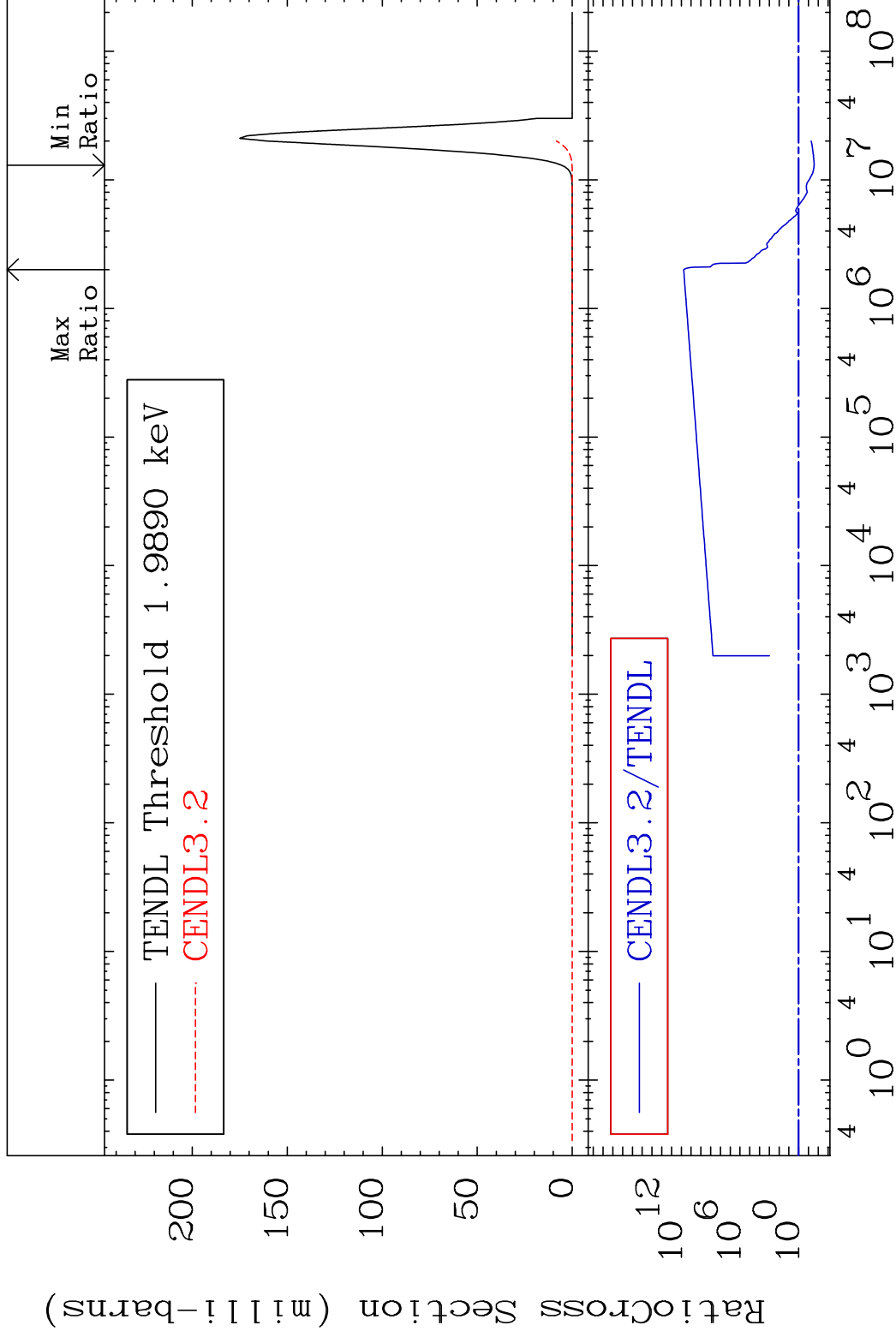
62-Sm-147

MAT 6234

(n, n')  $\alpha$

62-Sm-147

Cross Section -97.37 To 9999. %



6

Incident Energy (eV)

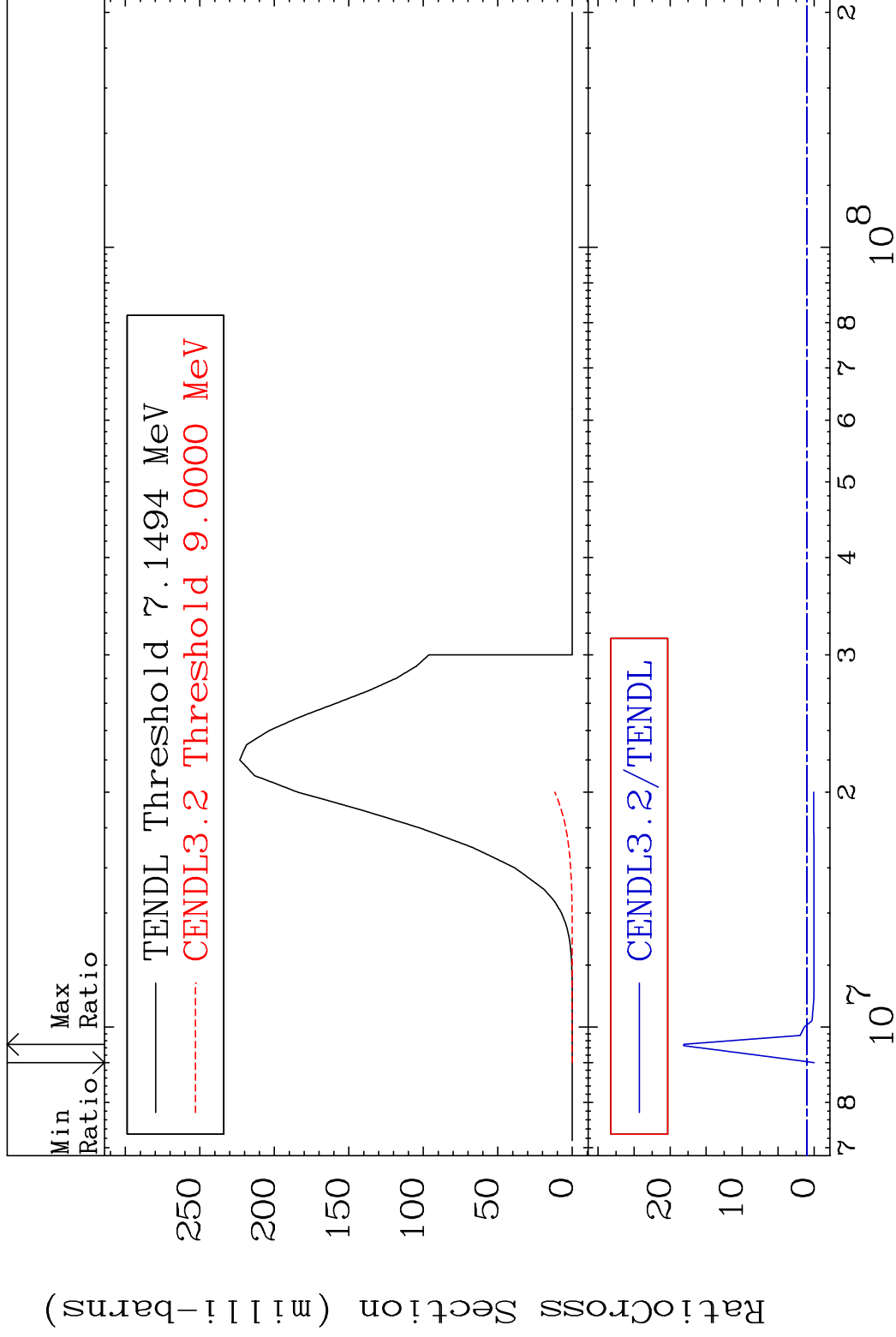
62-Sm-147

MAT 6234

(n, n') p

62-Sm-147

Cross Section -100.0 To 1712. %

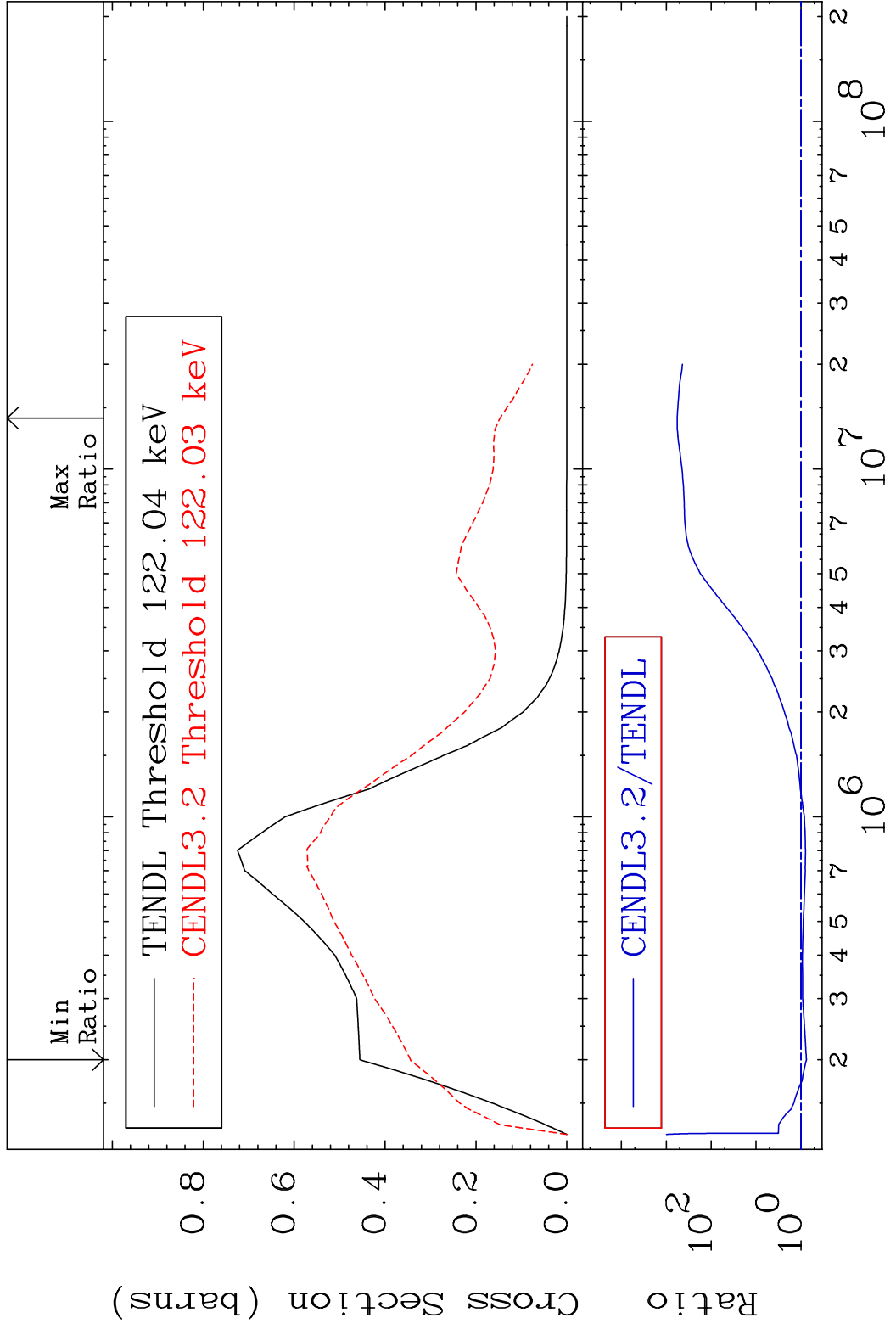


7

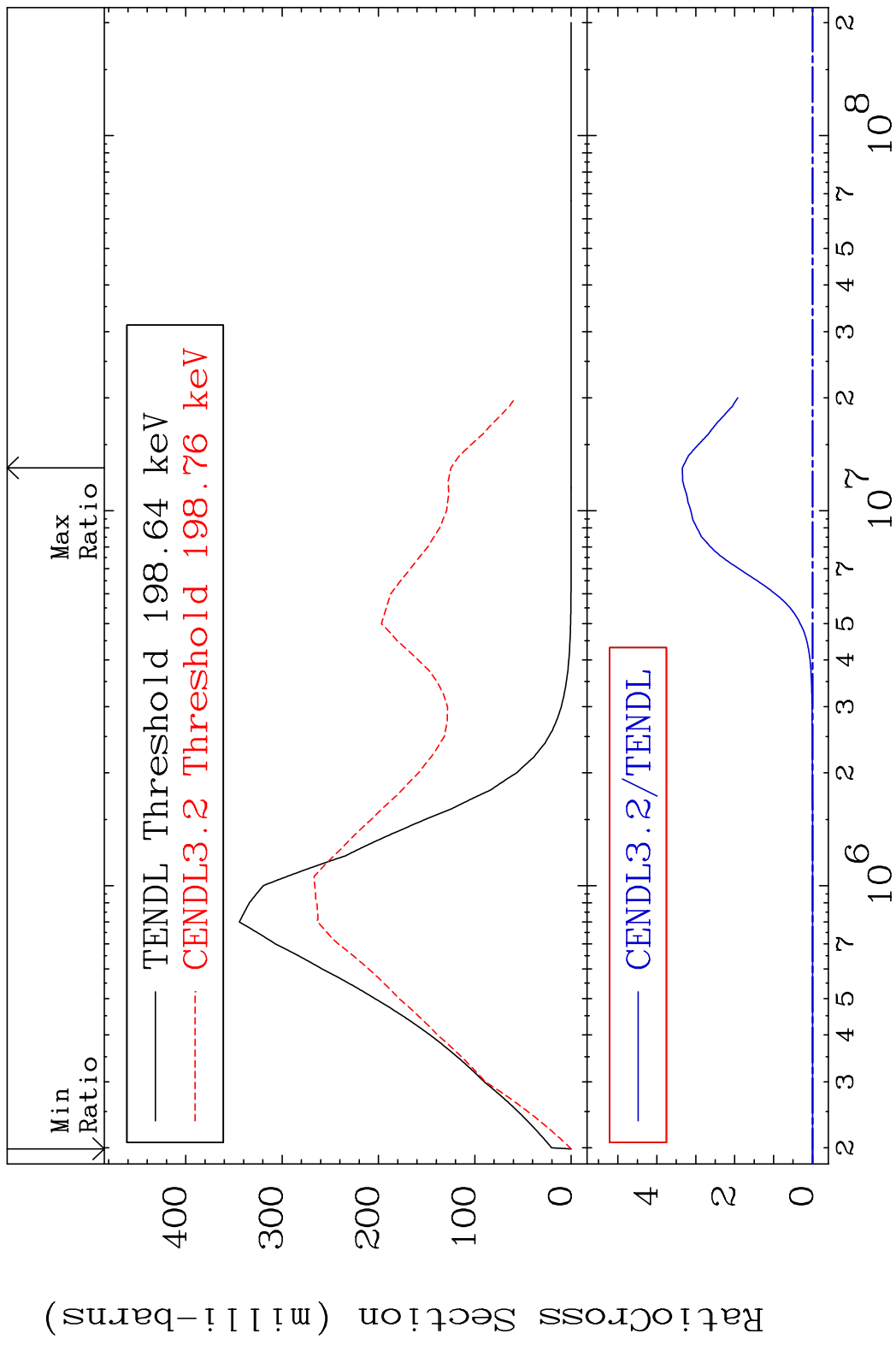
Incident Energy (eV)

62-Sm-147

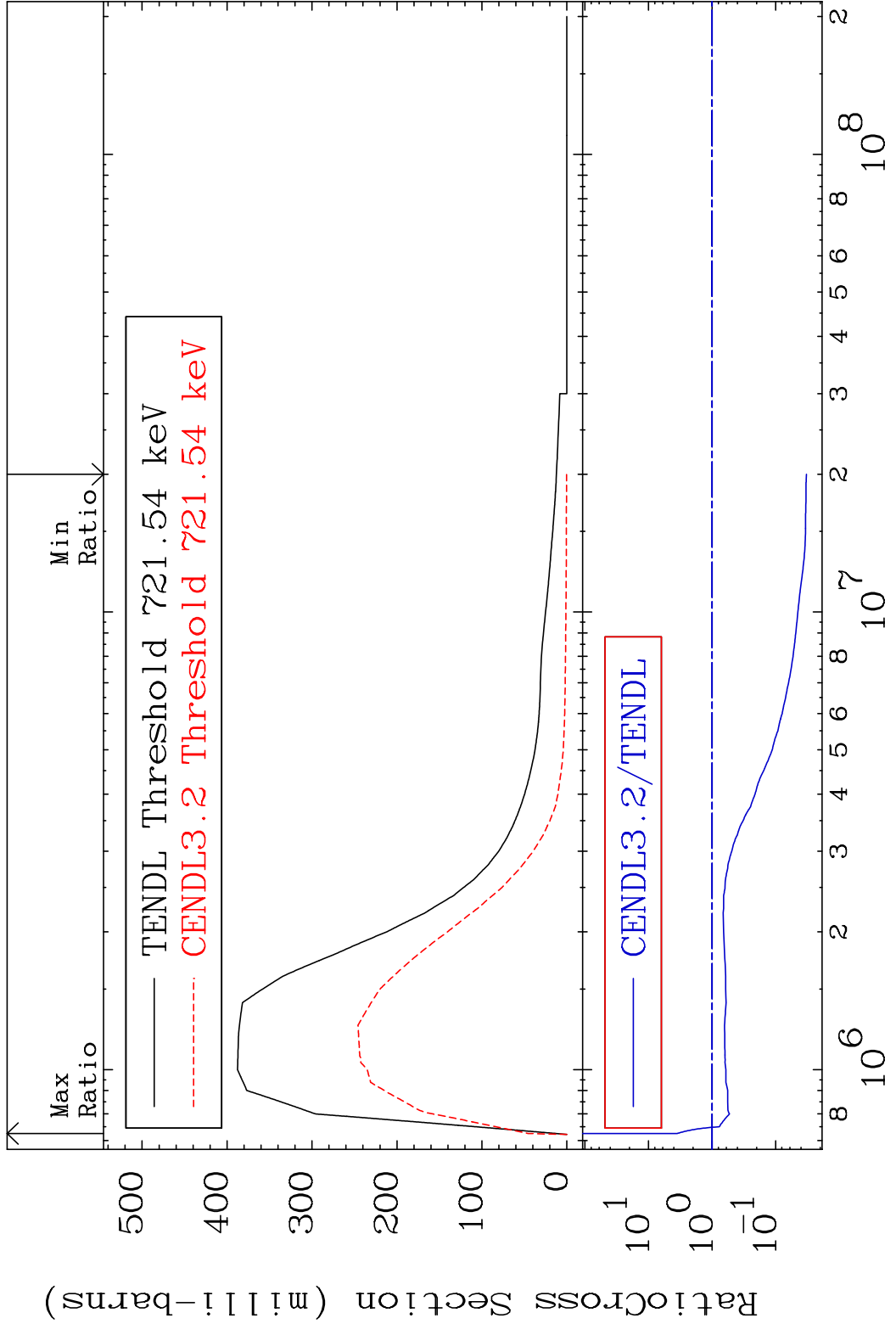
MAT 6234 MT= 51 (n, n') Level 62-Sm-147  
 Cross Section -24.48 To 9999. %



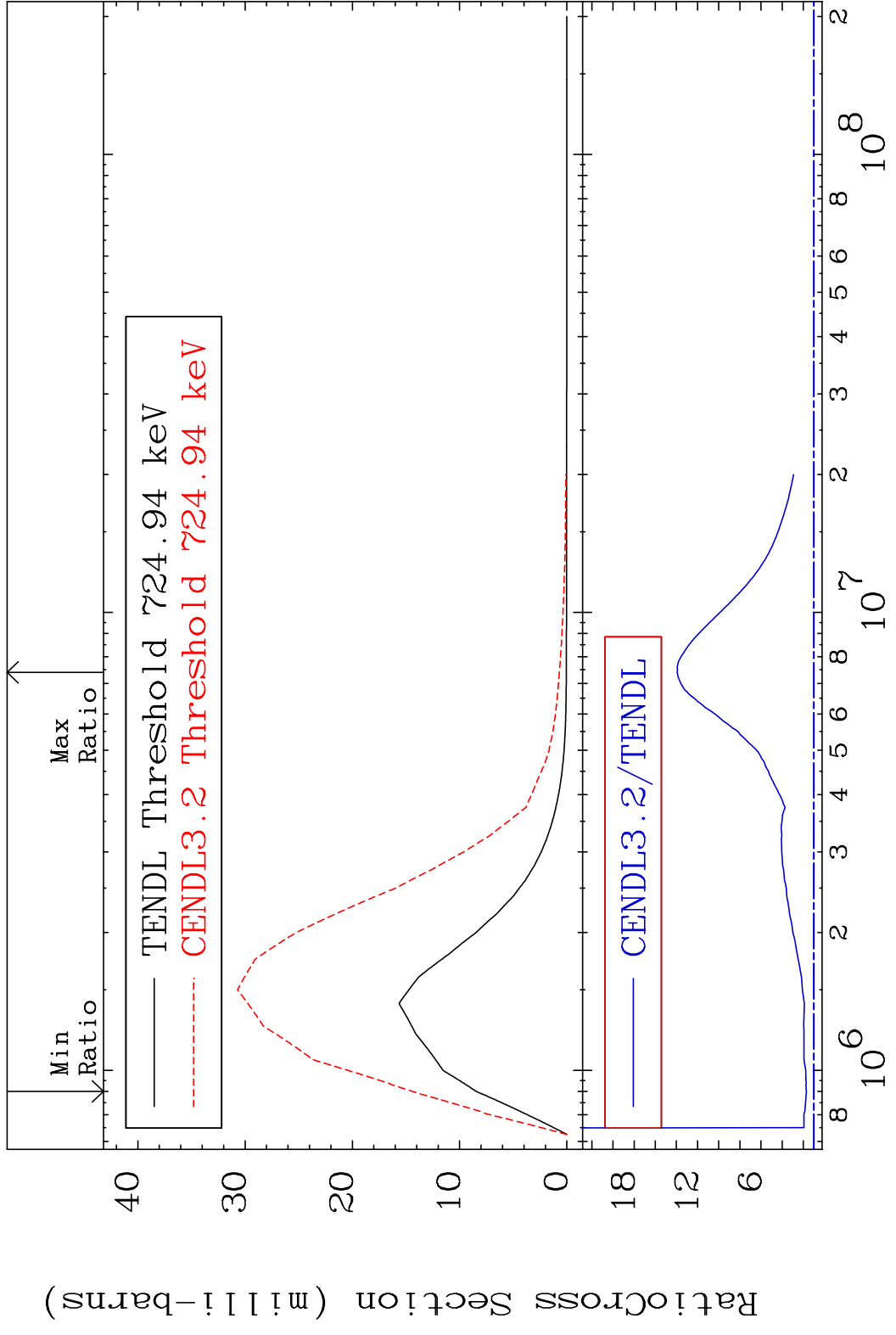
MAT 6234 MT= 52 (n, n') Level 62-Sm-147  
 Cross Section -100.0 To 9999. %



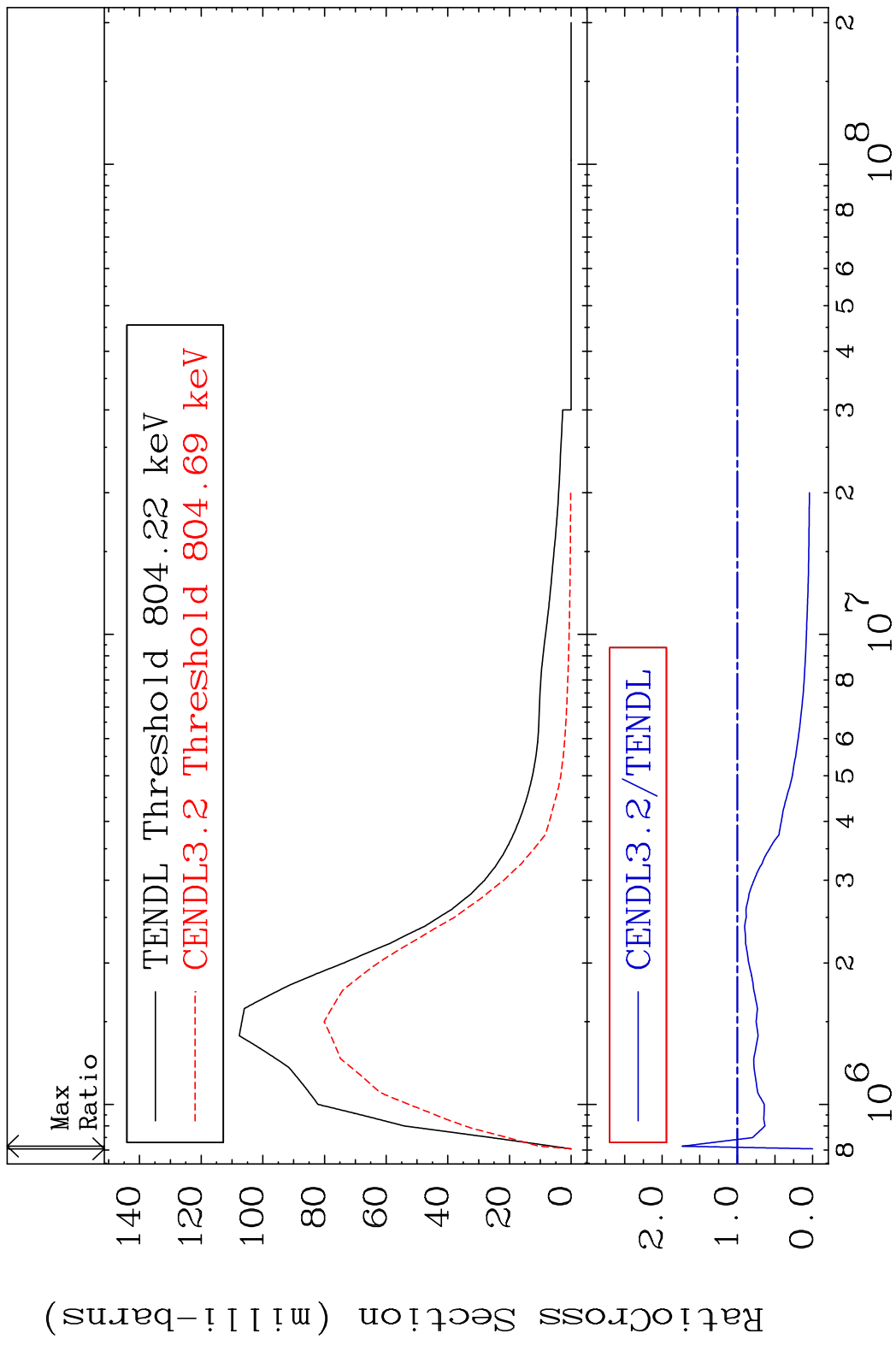
MAT 6234 MT= 53 (n, n') Level 62-Sm-147  
 Cross Section -96.71 To 254.7 %



MAT 6234 MT= 54 (n, n') Level 62-Sm-147  
 Cross Section 70.56 To 1293. %

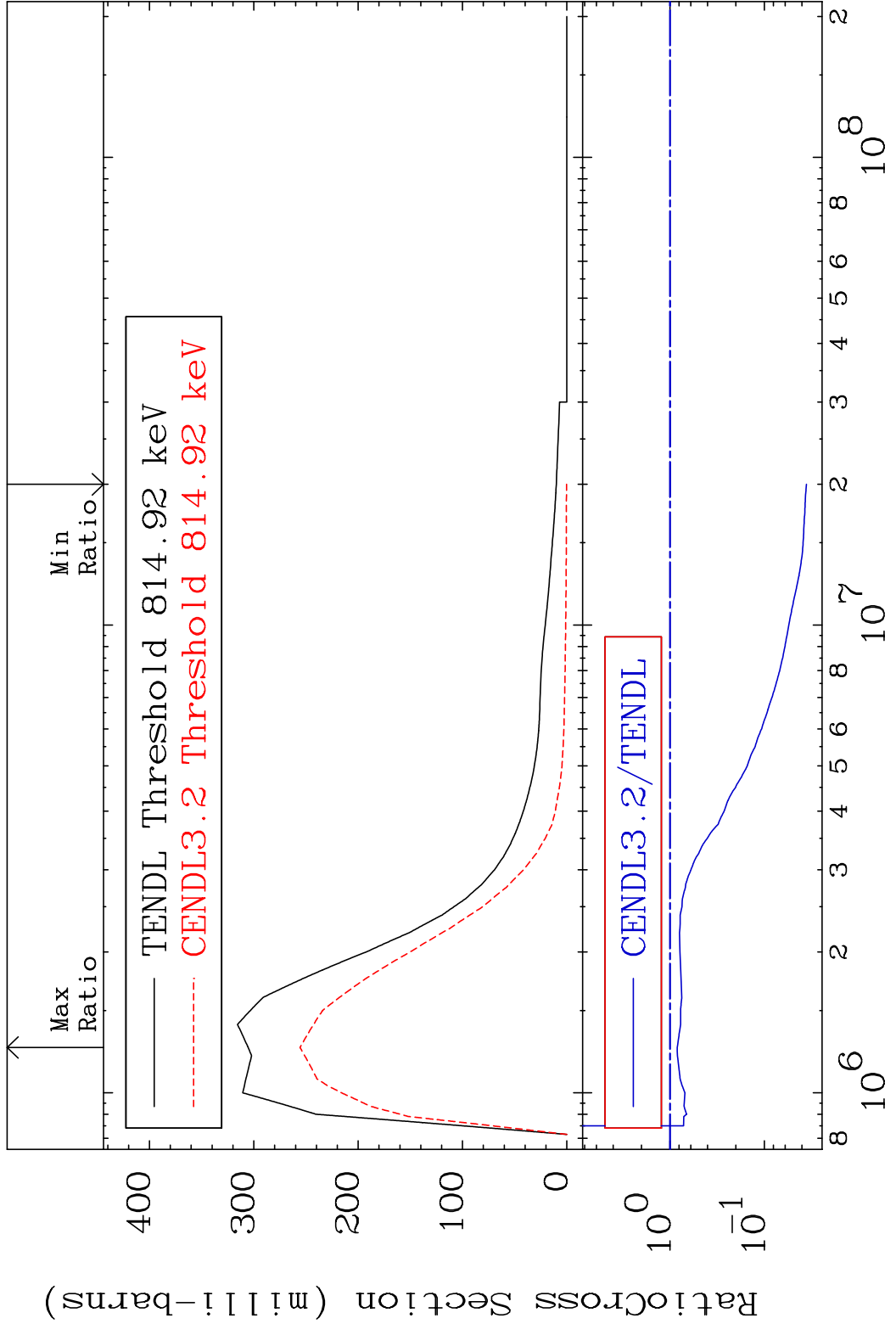


MAT 6234 MT= 55 (n,n') Level 62-Sm-147  
 Cross Section -100.0 To 73.17 %

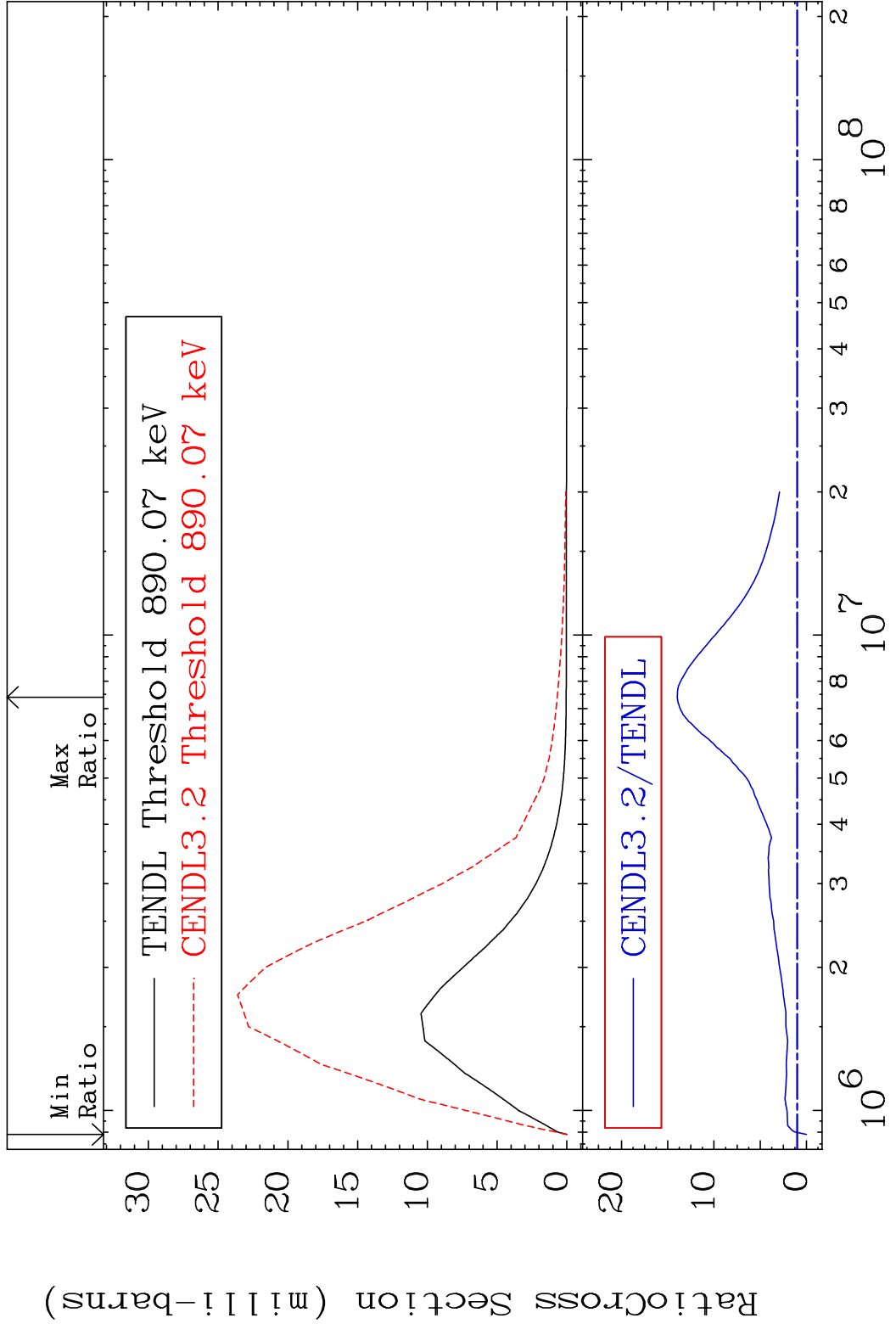


12 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 56 (n, n') Level 62-Sm-147  
 Cross Section -96.42 To -16.29%

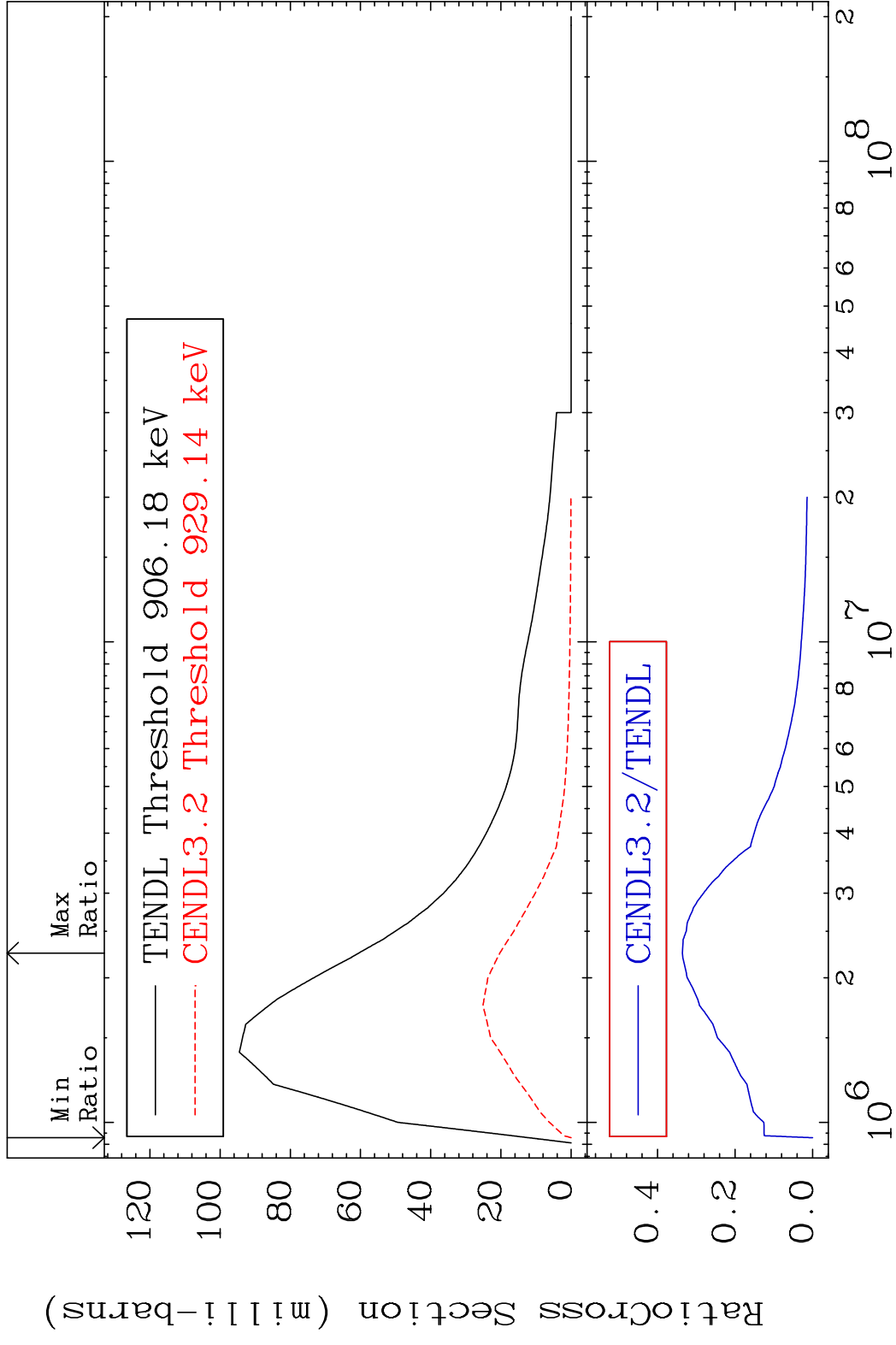


MAT 6234 MT= 57 (n, n') Level 62-Sm-147  
 Cross Section -100.0 To 1298. %



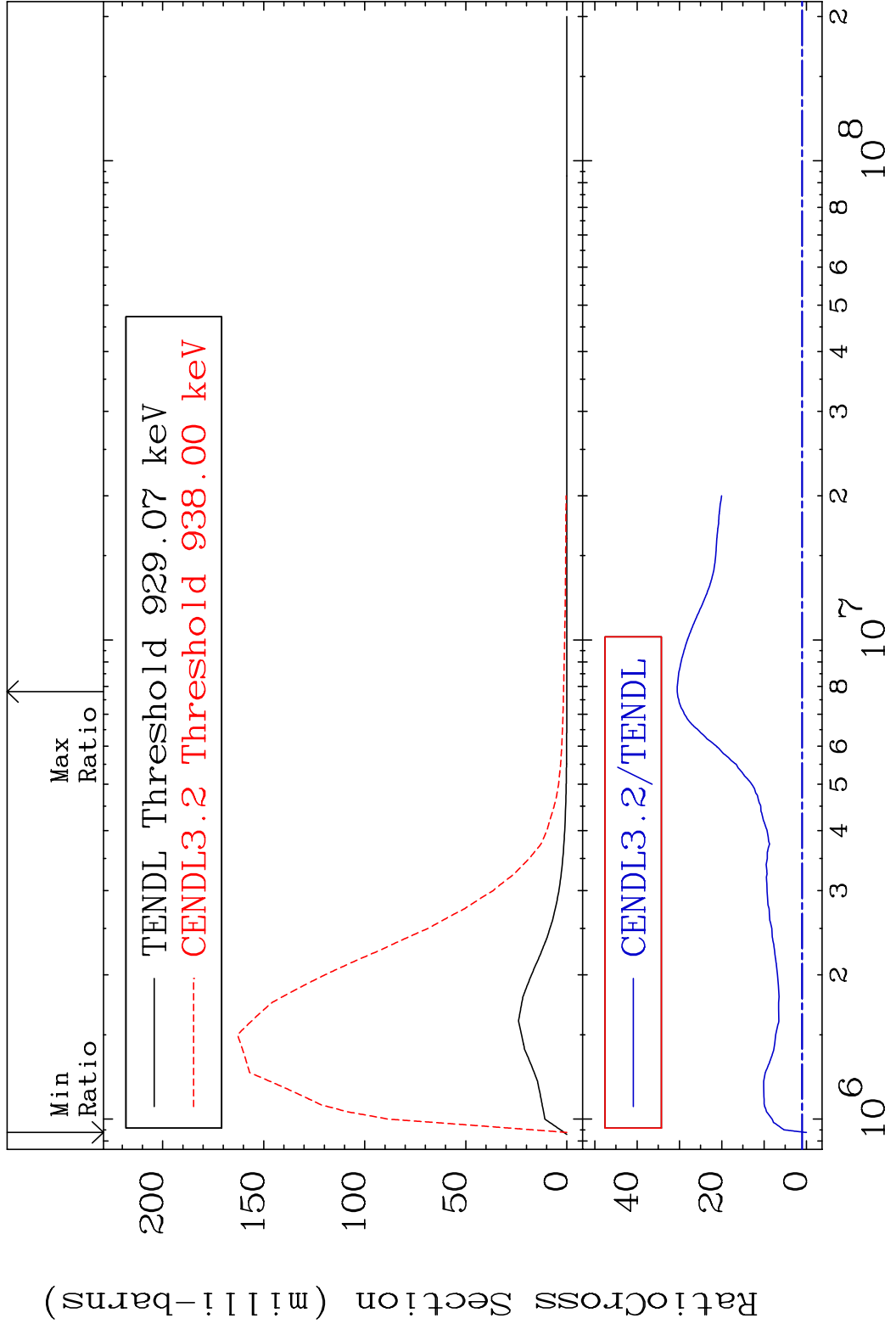
14 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 58 (n,n') Level 62-Sm-147  
 Cross Section -100.0 To -66.41%



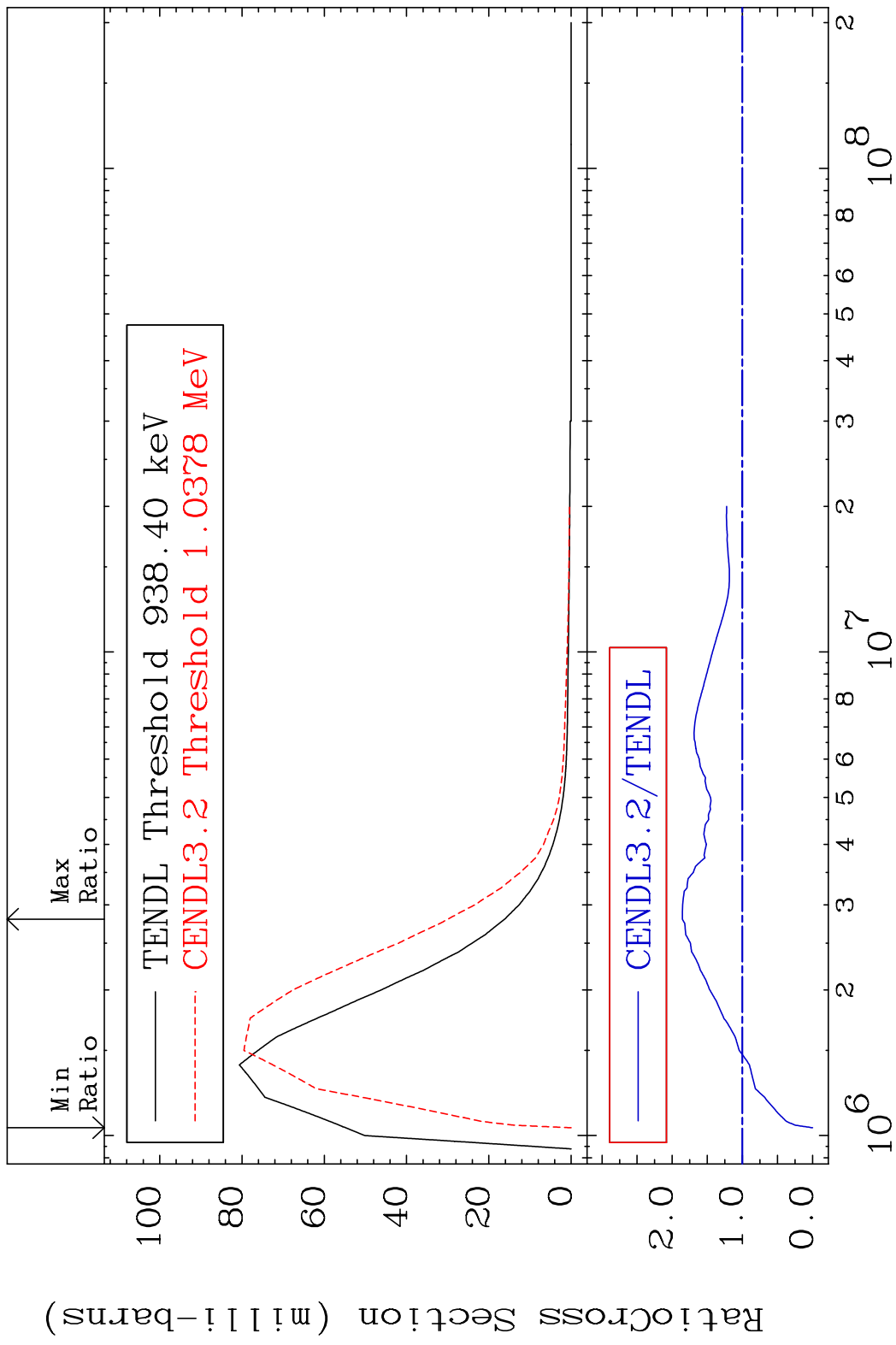
15 62-Sm-147

MAT 6234 MT= 59 (n, n') Level 62-Sm-147  
 Cross Section -100.0 To 2954. %



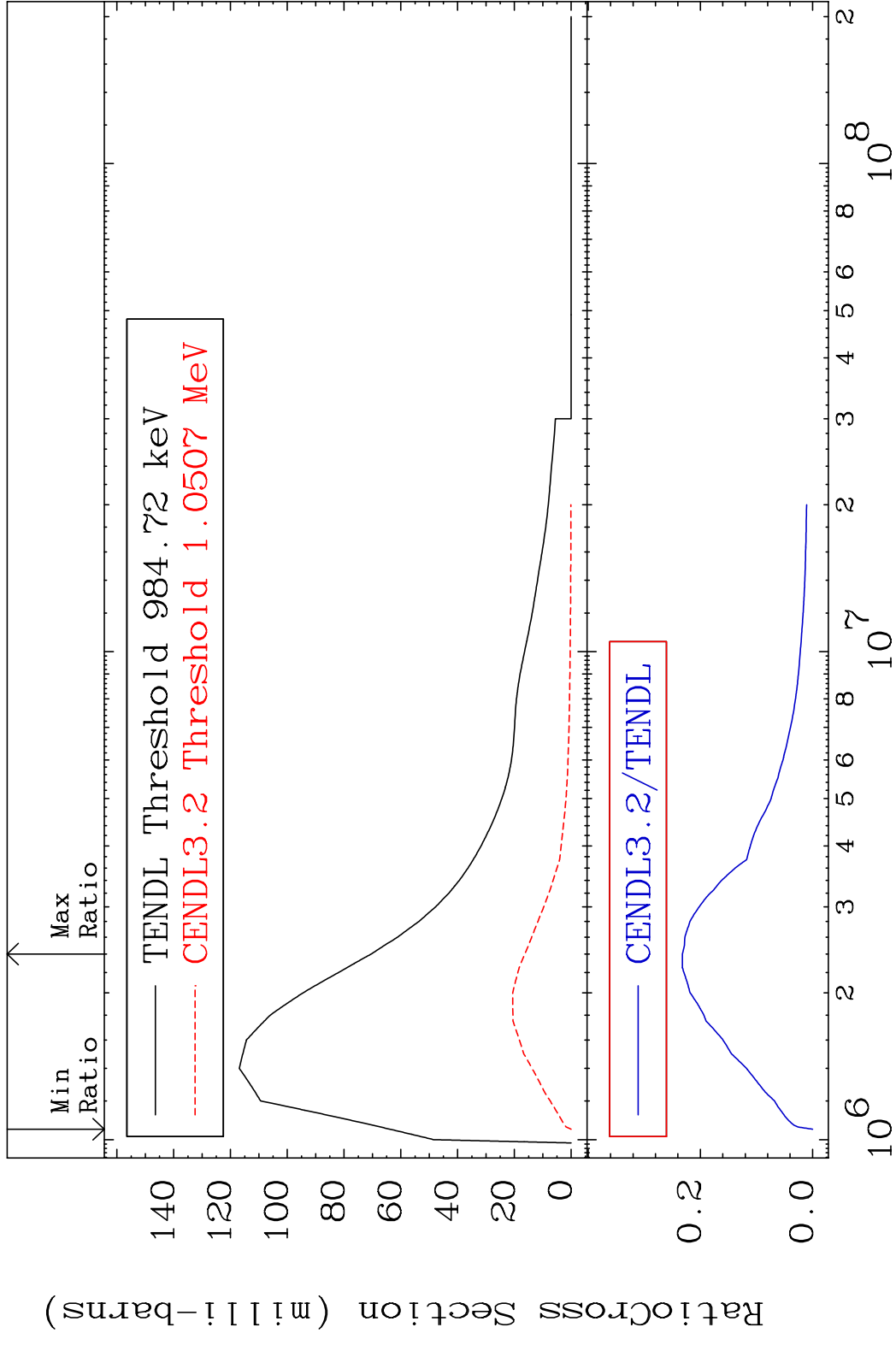
16 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 60 (n, n') Level 62-Sm-147  
 Cross Section -100.0 To 85.53 %



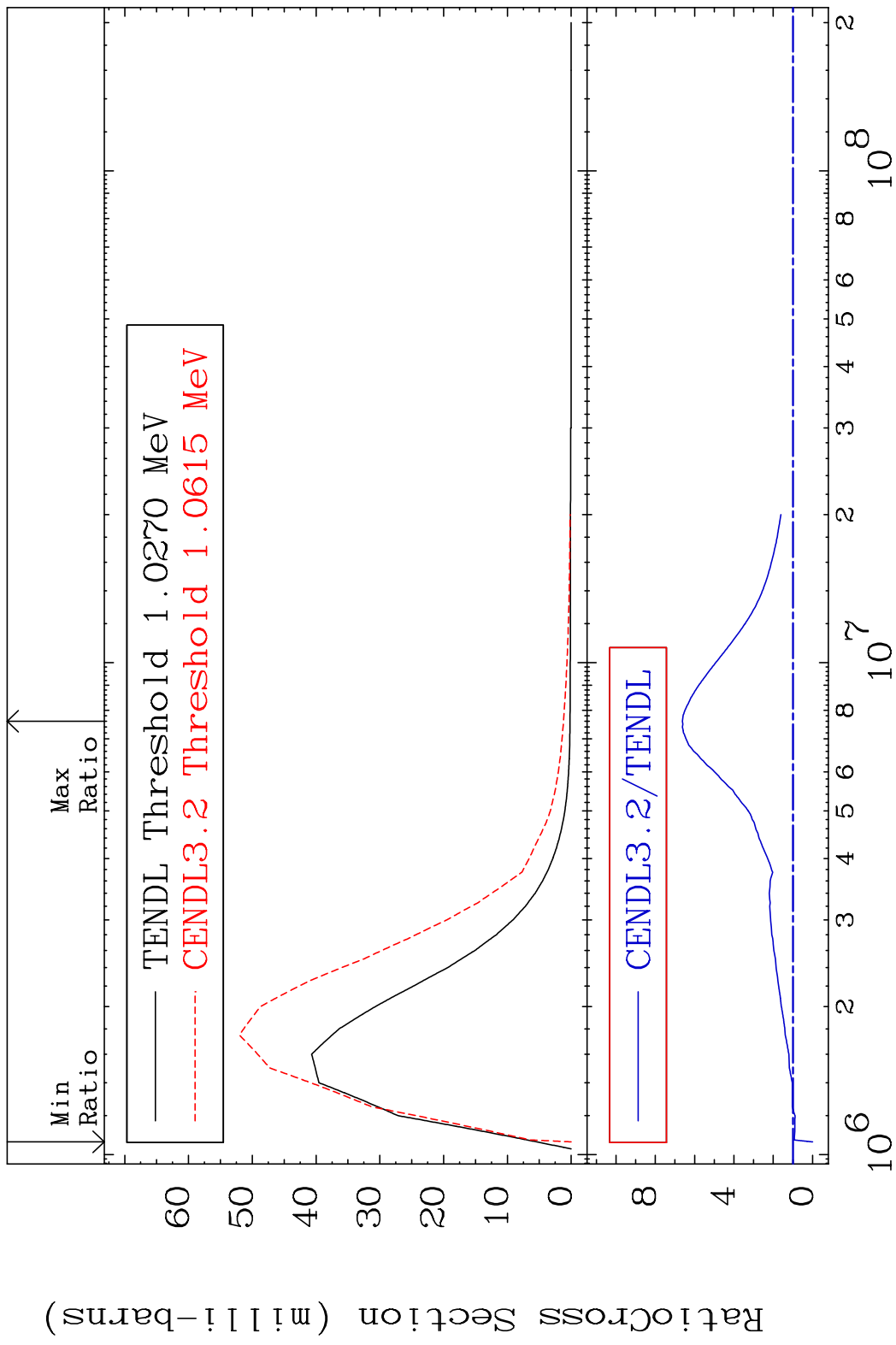
17 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 61 (n,n') Level 62-Sm-147  
 Cross Section -100.0 To -76.79%



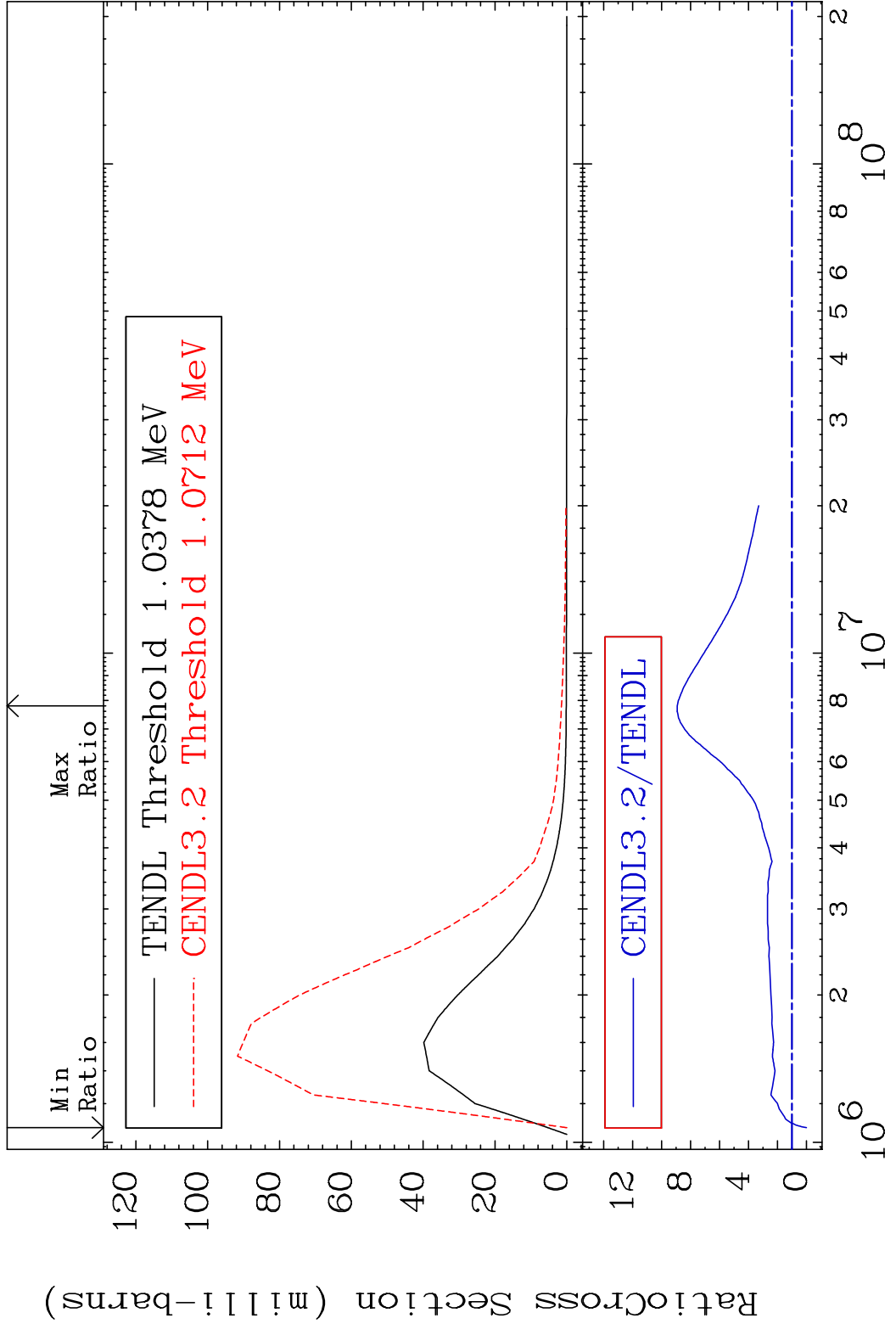
18 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 62 (n, n') Level 62-Sm-147  
 Cross Section -100.0 To 562.4 %



19 62-Sm-147

MAT 6234      MT= 63 (n, n') Level      62-Sm-147  
 Cross Section    -100.0 To 792.0 %



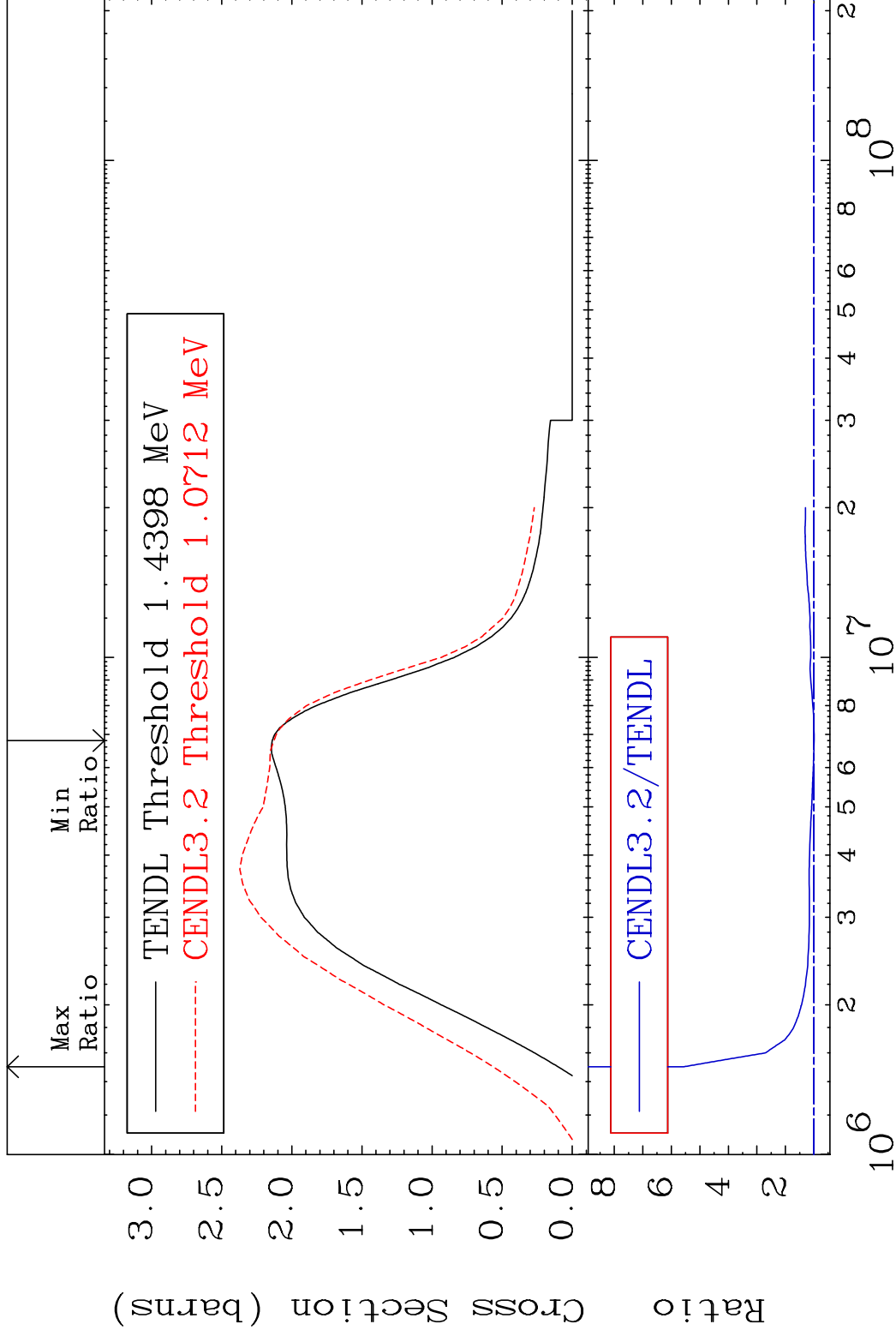
20      Incident Energy (eV)      62-Sm-147

MAT 6234

(n, n') Continuum

62-Sm-147

Cross Section -0.613 To 456.8 %



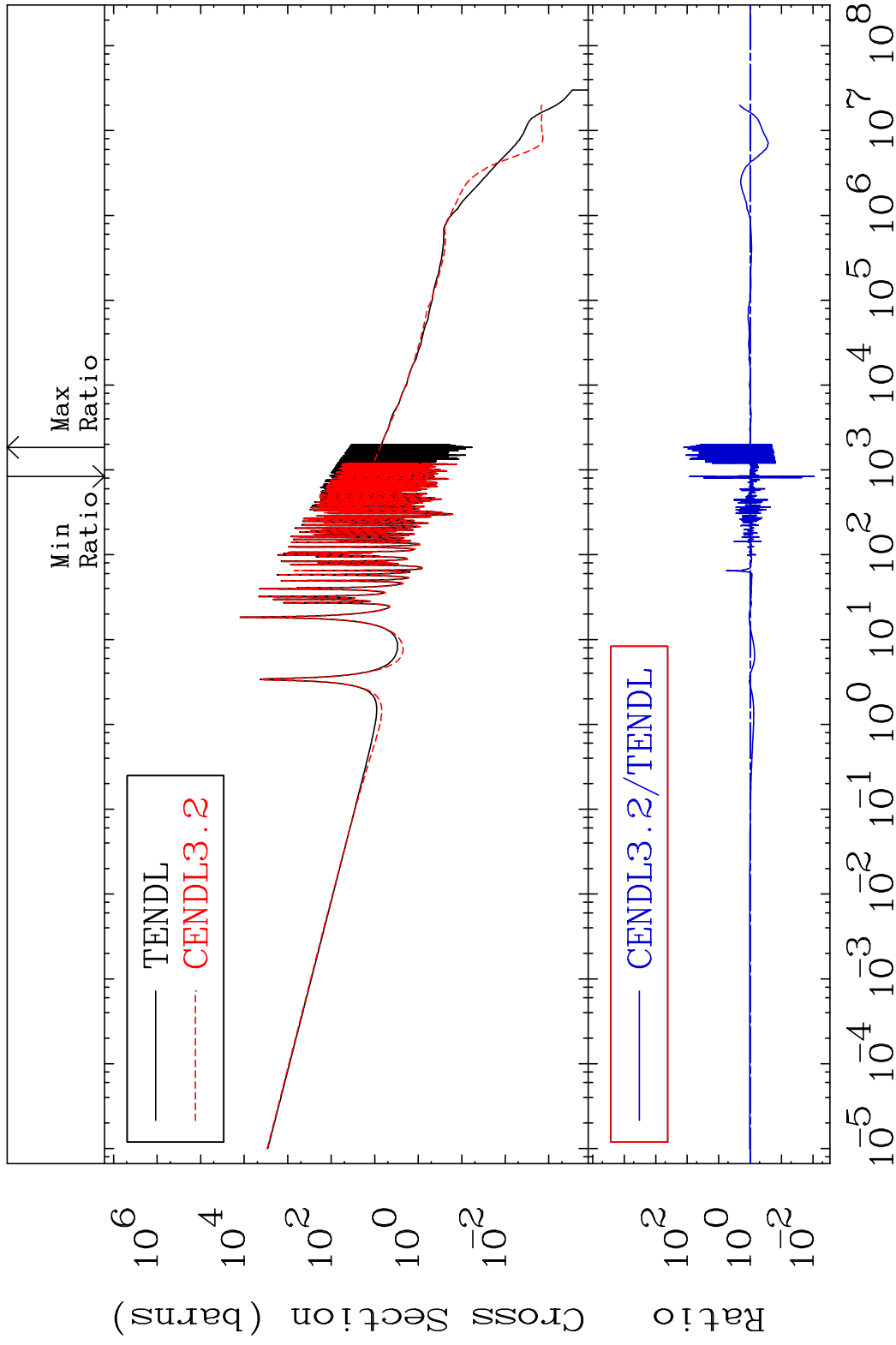
21

Incident Energy (eV)

62-Sm-147

MAT 6234

(n,  $\gamma$ )  
Cross Section -99.08 To 9999. %  
62-Sm-147



22

Incident Energy (eV) 62-Sm-147

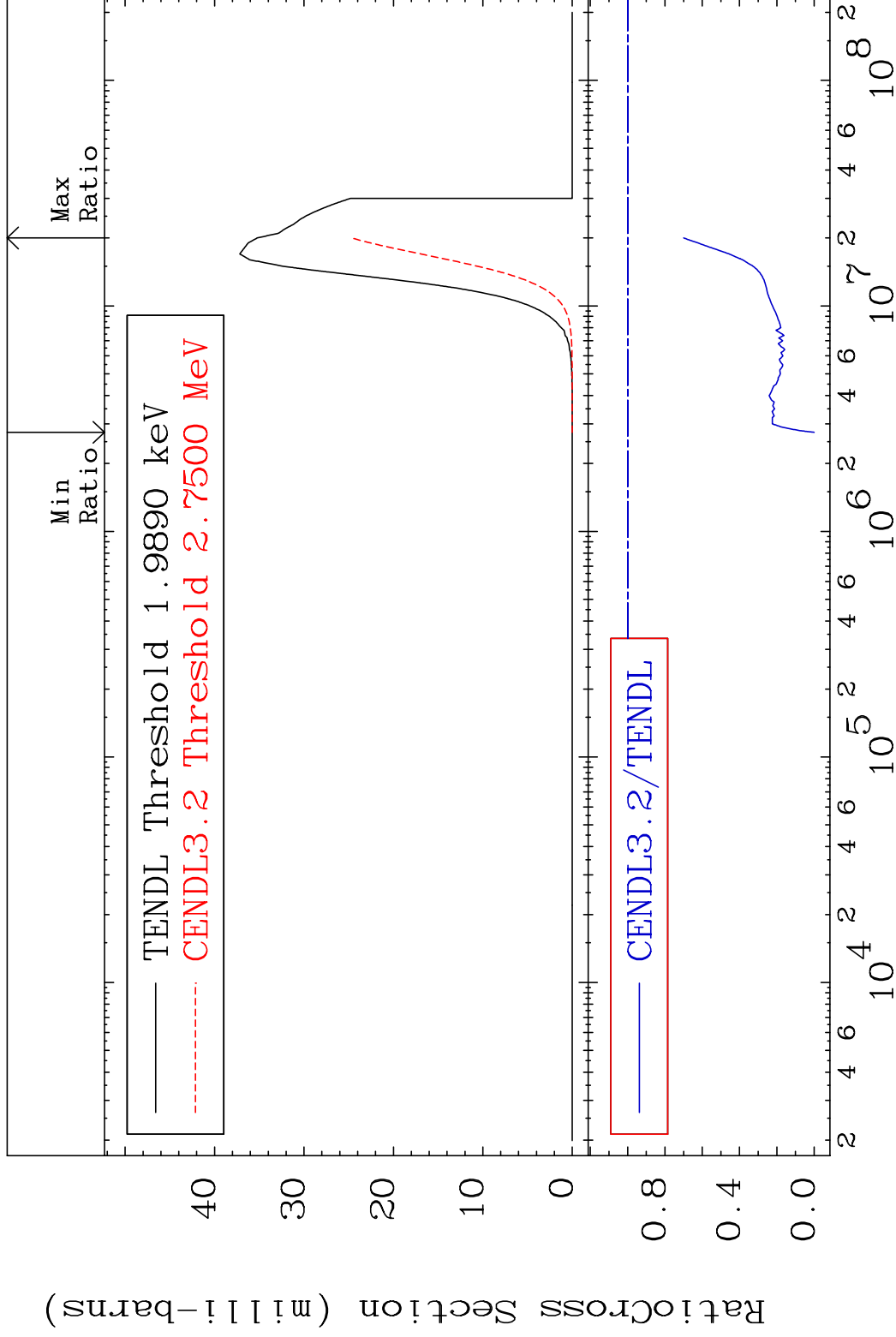
MAT 6234

(n, p)

62-Sm-147

Cross Section

-100.0 To -30.04%



23

Incident Energy (eV)

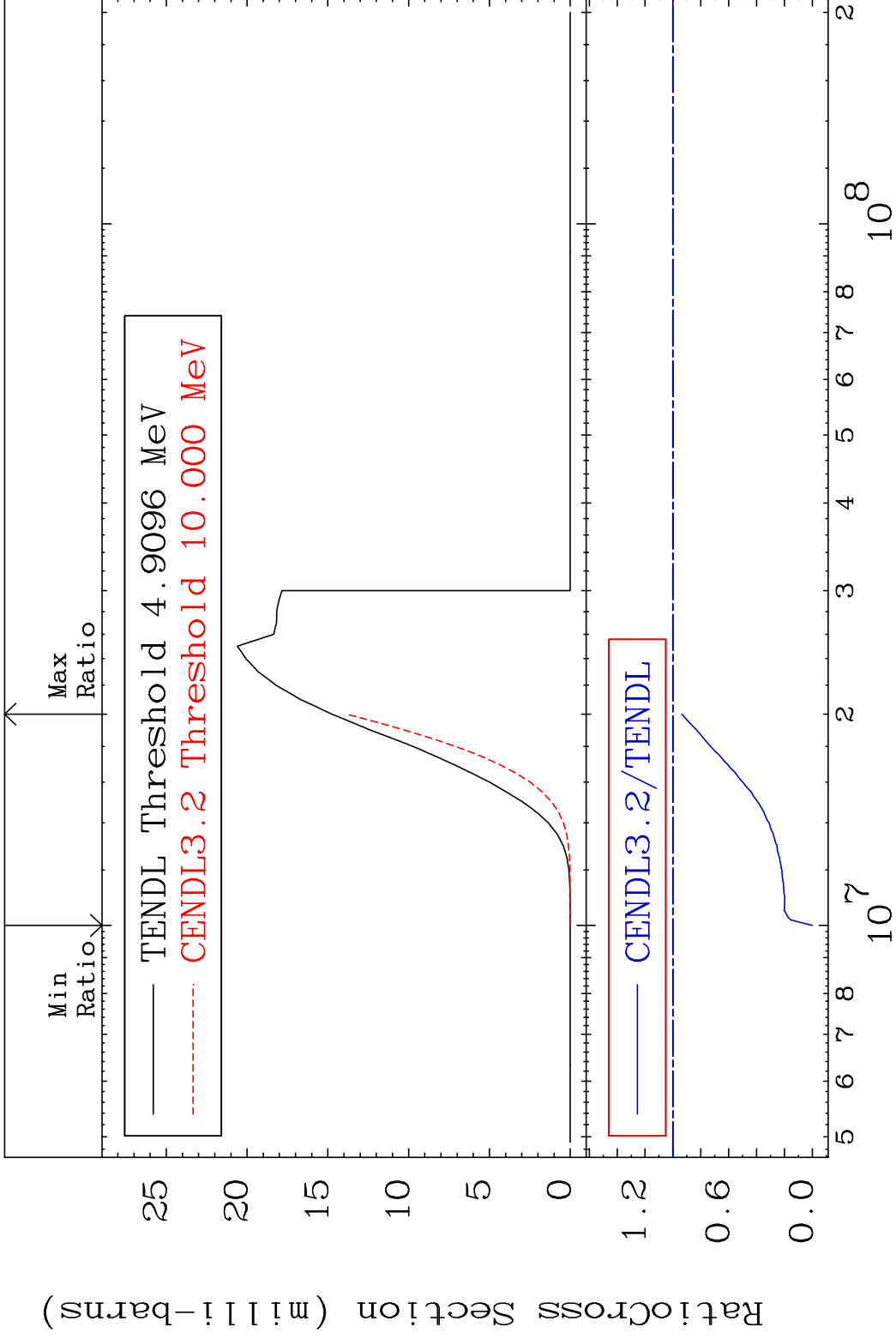
62-Sm-147

MAT 6234

(n, d)

62-Sm-147

Cross Section -100.0 To -6.318%



24

Incident Energy (eV)

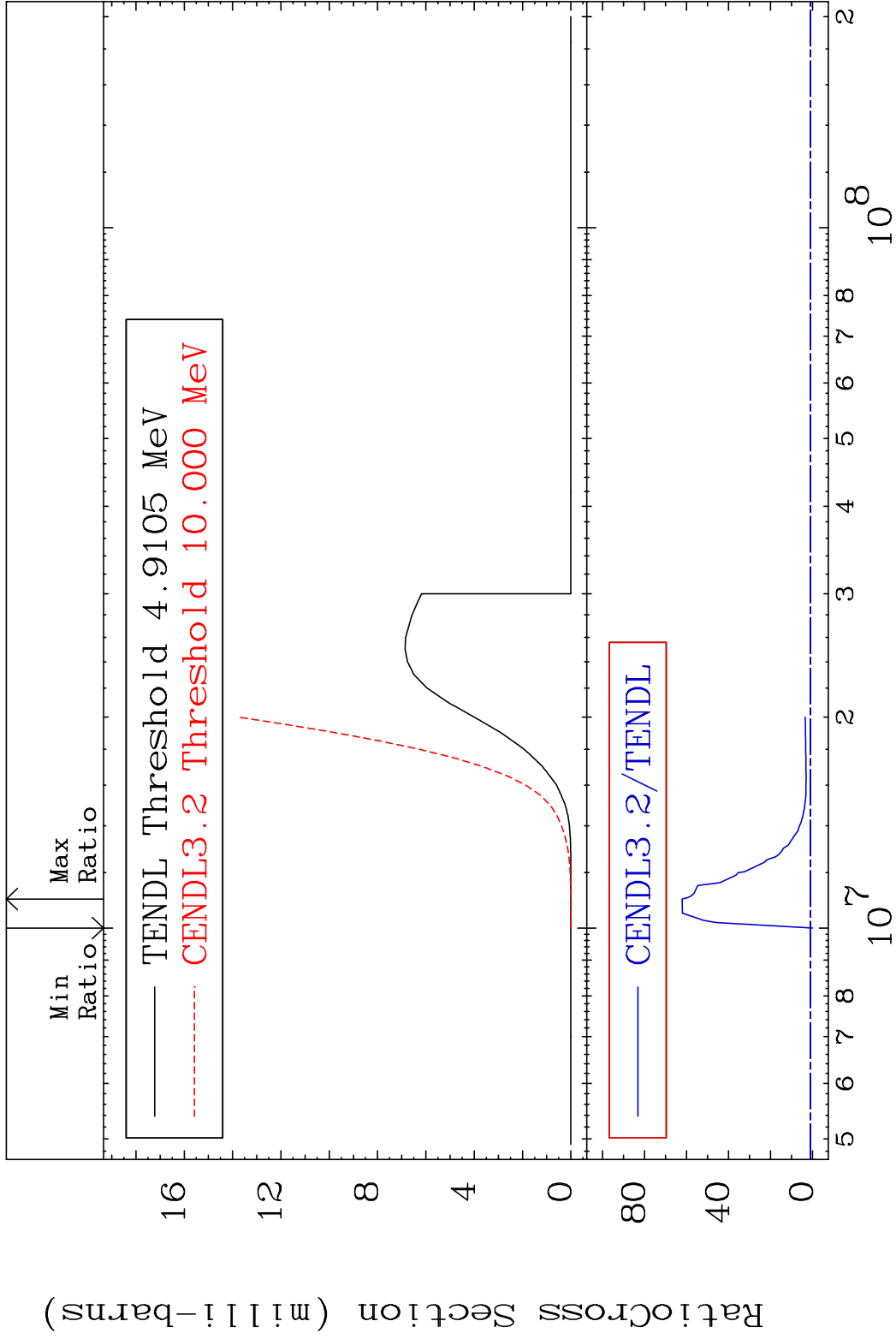
62-Sm-147

MAT 6234

(n, t)

62-Sm-147

Cross Section -100.0 To 6108. %



25

Incident Energy (eV)

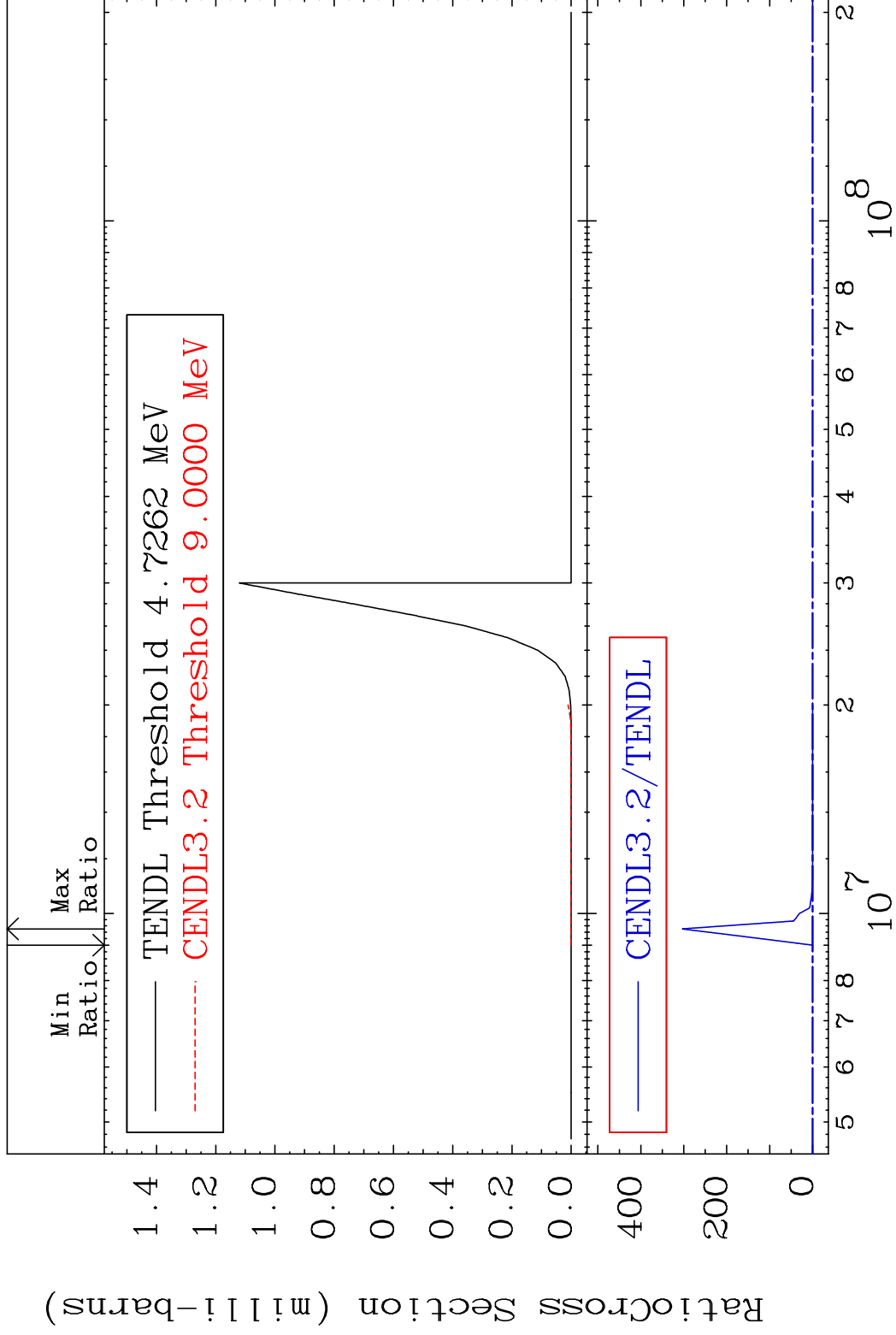
62-Sm-147

MAT 6234

(n, He-3)

62-Sm-147

Cross Section -100.0 To 9999. %



26

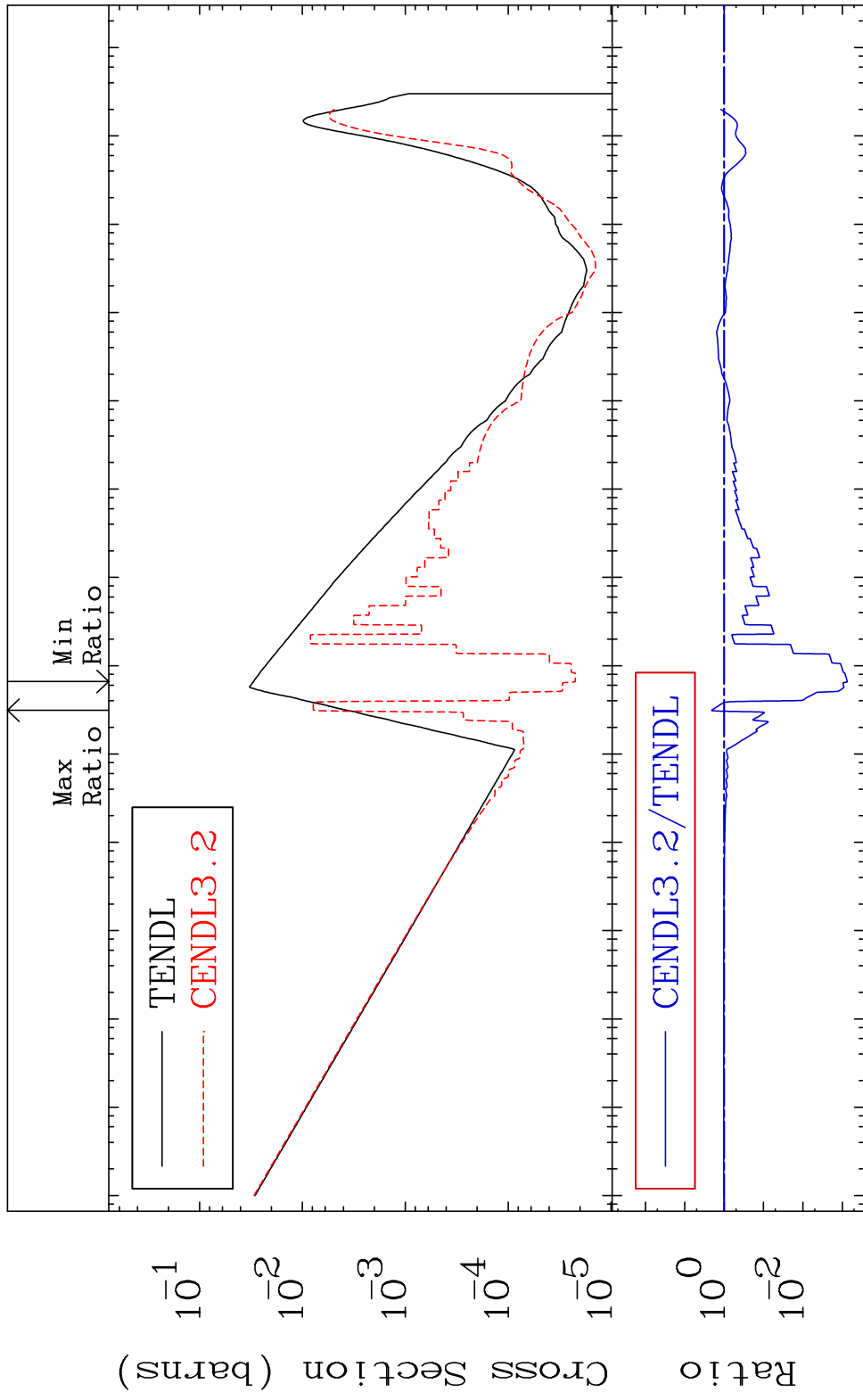
Incident Energy (eV)

62-Sm-147

MAT 6234

(n,  $\alpha$ )  
Cross Section -99.93 To 109.0 %

62-Sm-147



27

Incident Energy (eV)

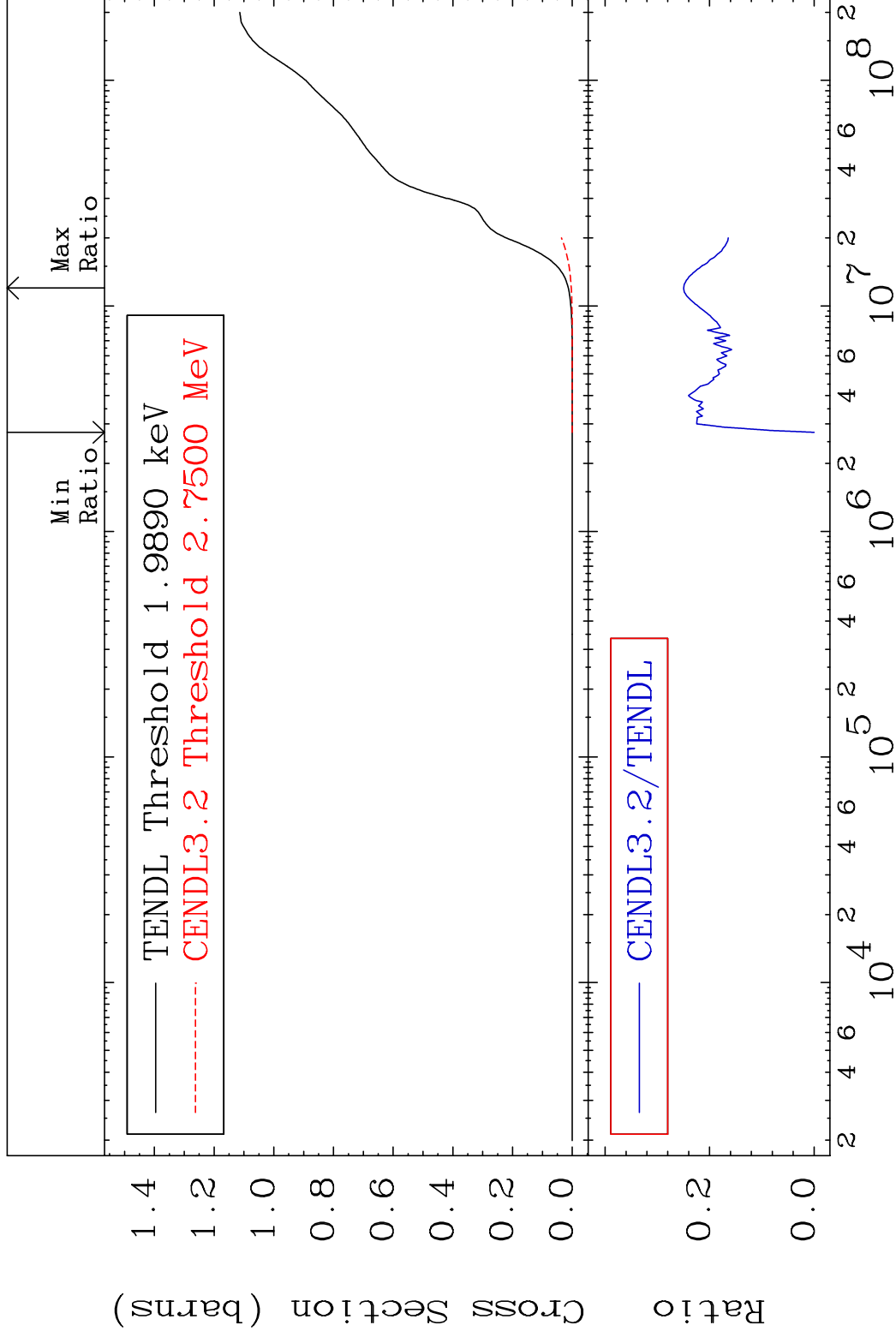
62-Sm-147

MAT 6234

Hydrogen Production

62-Sm-147

Cross Section -100.0 To -75.03%



28

Incident Energy (eV)

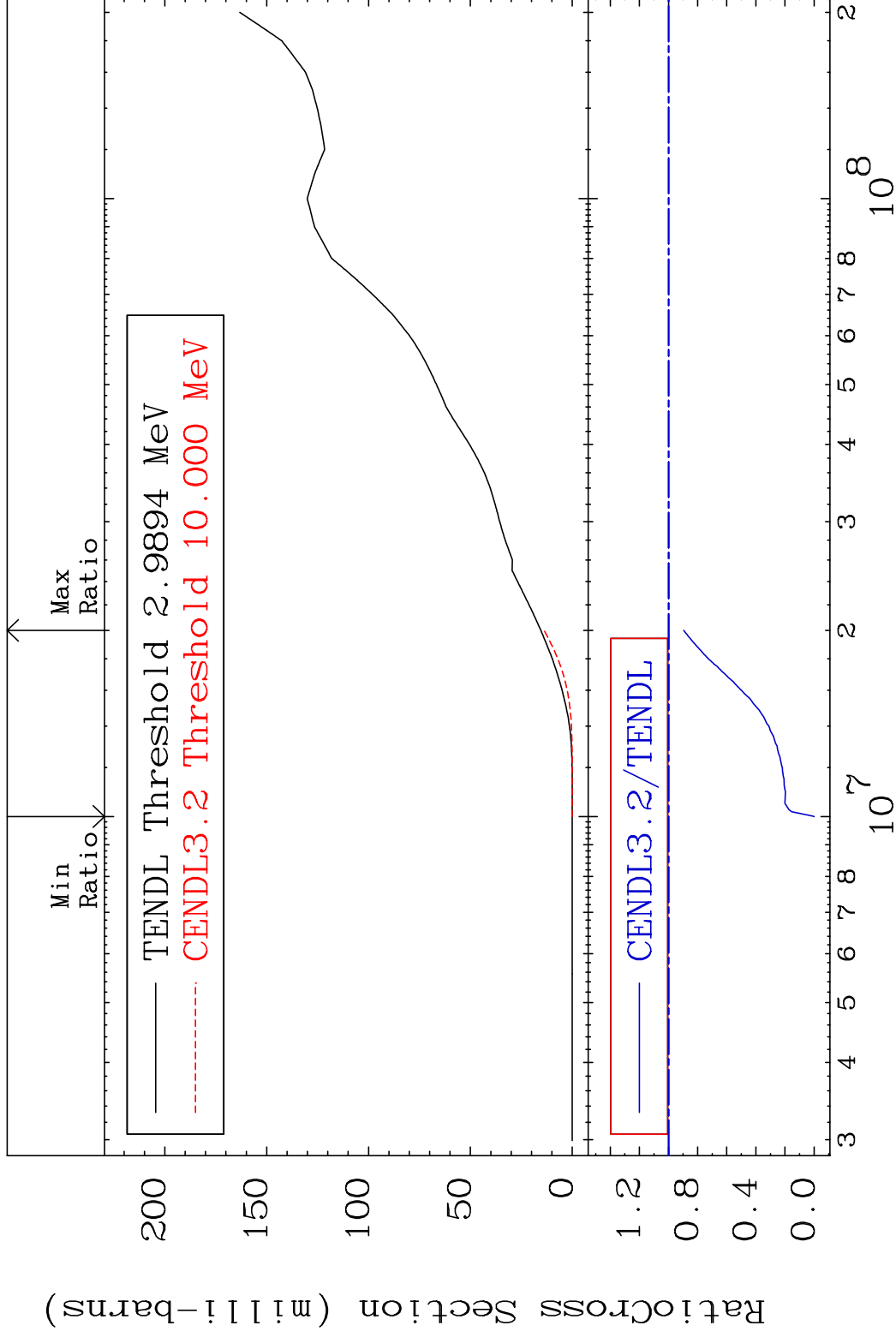
62-Sm-147

MAT 6234

Deuterium Production

62-Sm-147

Cross Section -100.0 To -10.40%



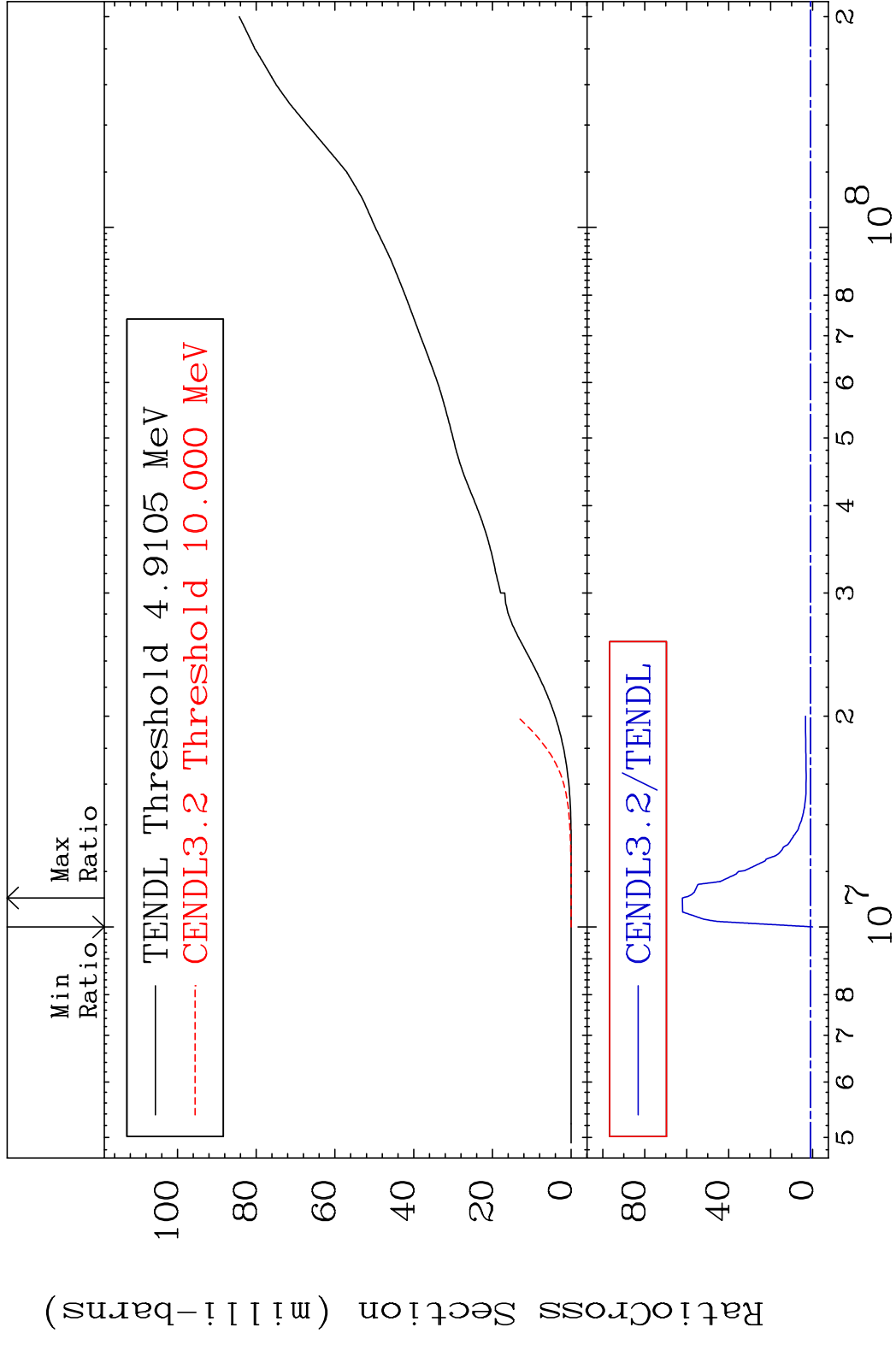
29

Incident Energy (eV)

62-Sm-147

MAT 6234

Tritium Production 62-Sm-147  
Cross Section -100.0 To 6108. %



30

Incident Energy (eV)

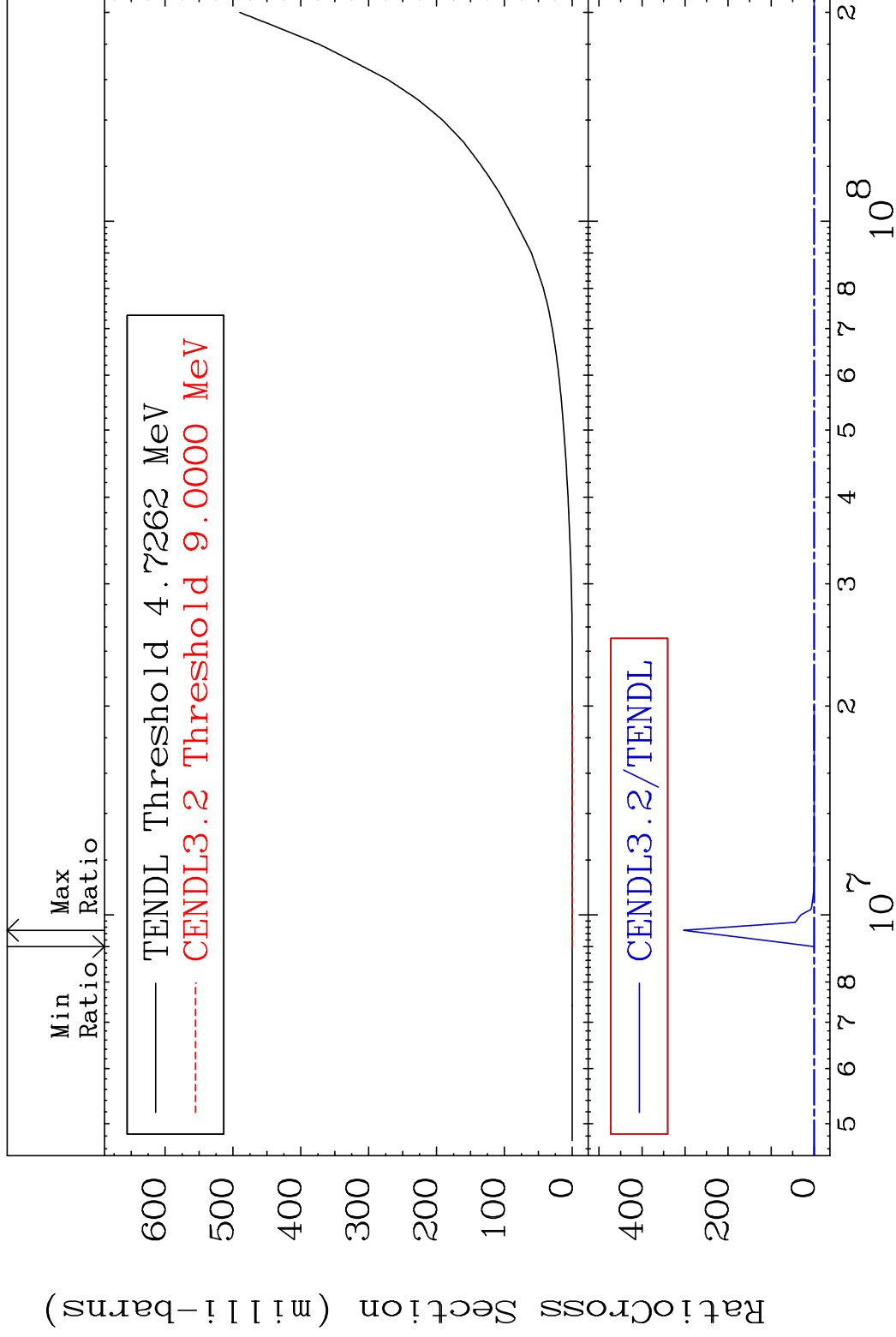
62-Sm-147

MAT 6234

He-3 Production

62-Sm-147

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

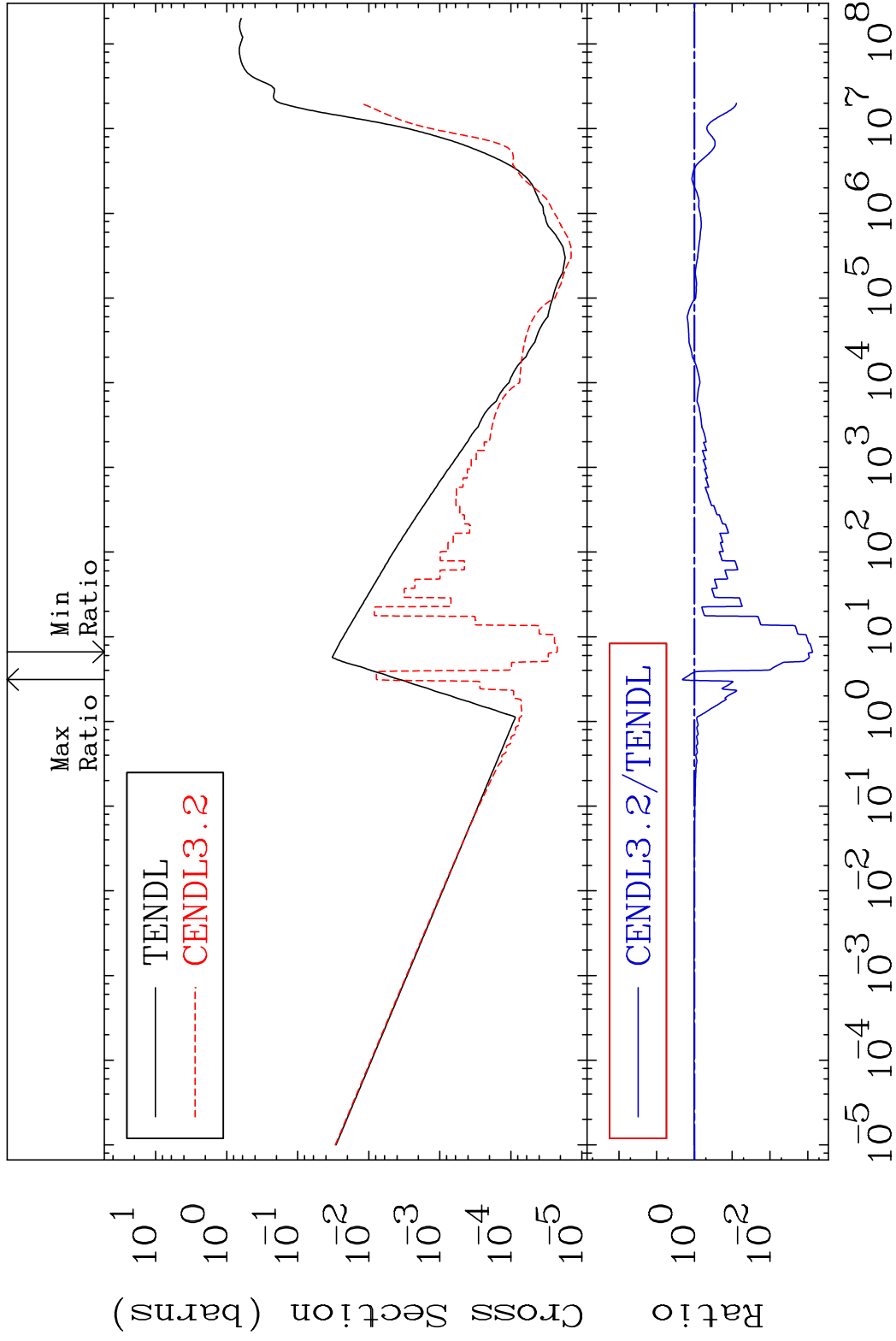
62-Sm-147

MAT 6234

He-4 Production

62-Sm-147

Cross Section -99.93 To 109.0 %

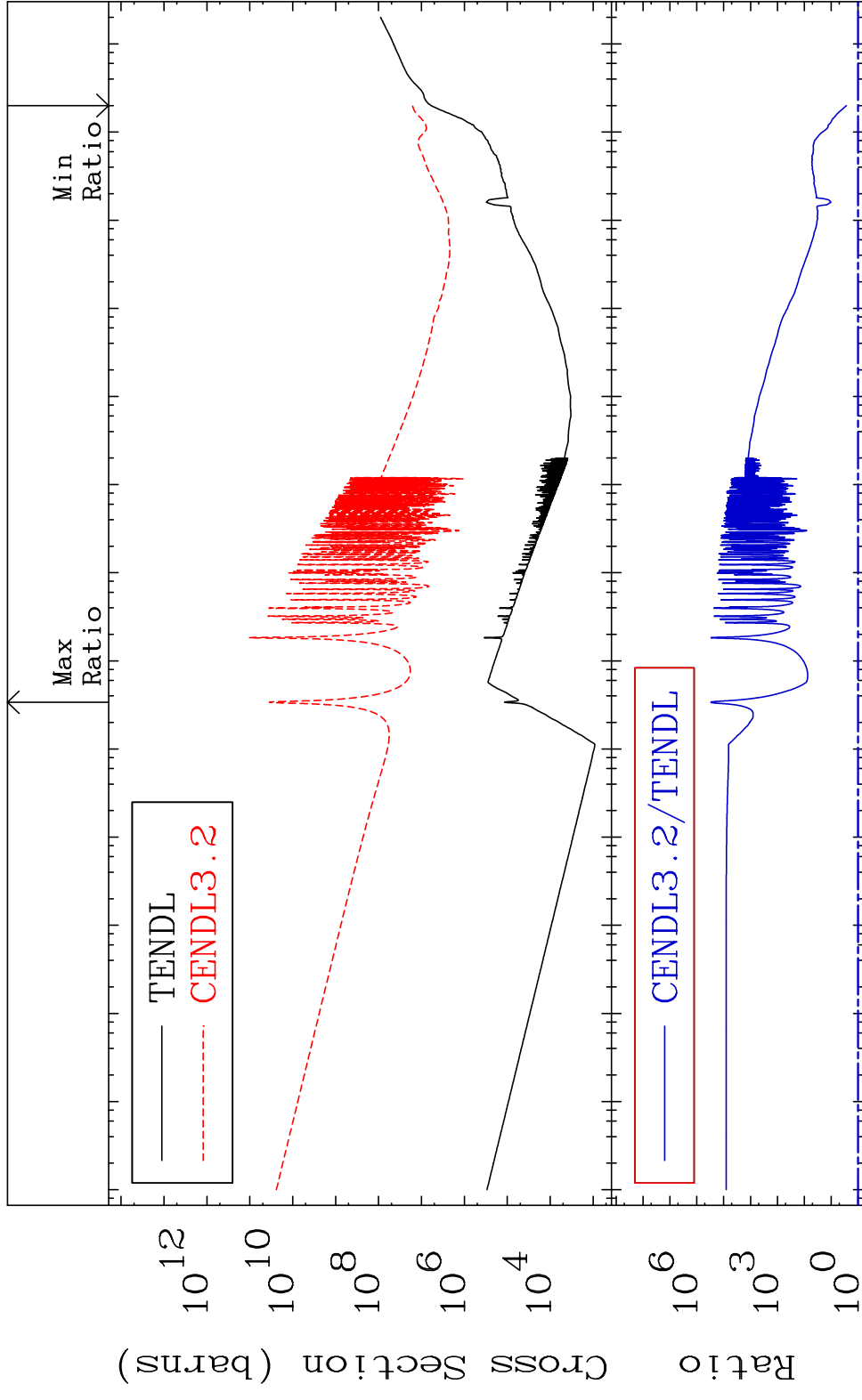


32

Incident Energy (eV)

62-Sm-147

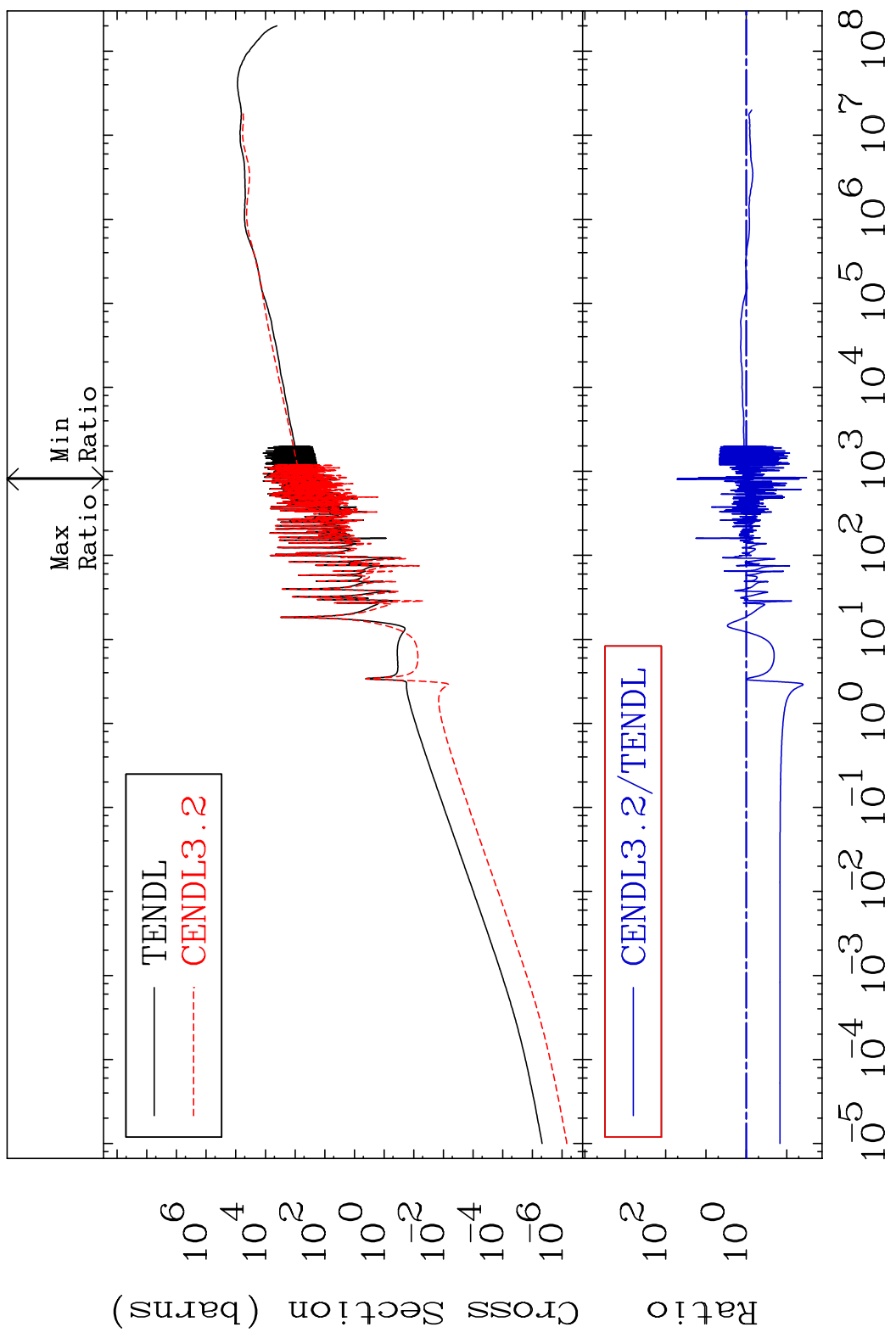
MAT 6234 Kerma total (eV-barns) 62-Sm-147  
 Cross Section 173.9 To 9999. %



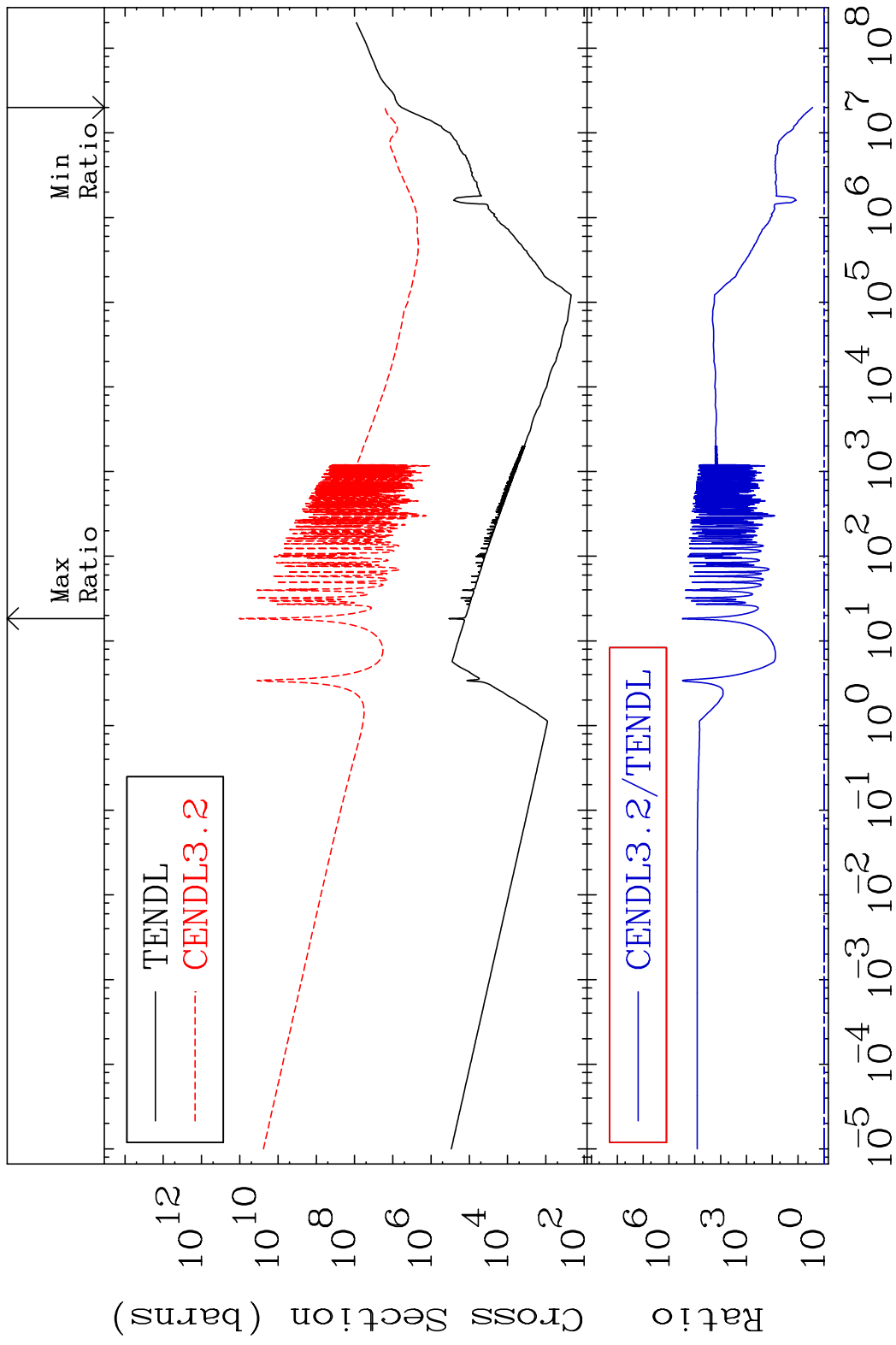
33 Incident Energy (eV) 62-Sm-147

MAT 6234

Kerma elastic Cross Section -96.76 To 5060. %  
62-Sm-147

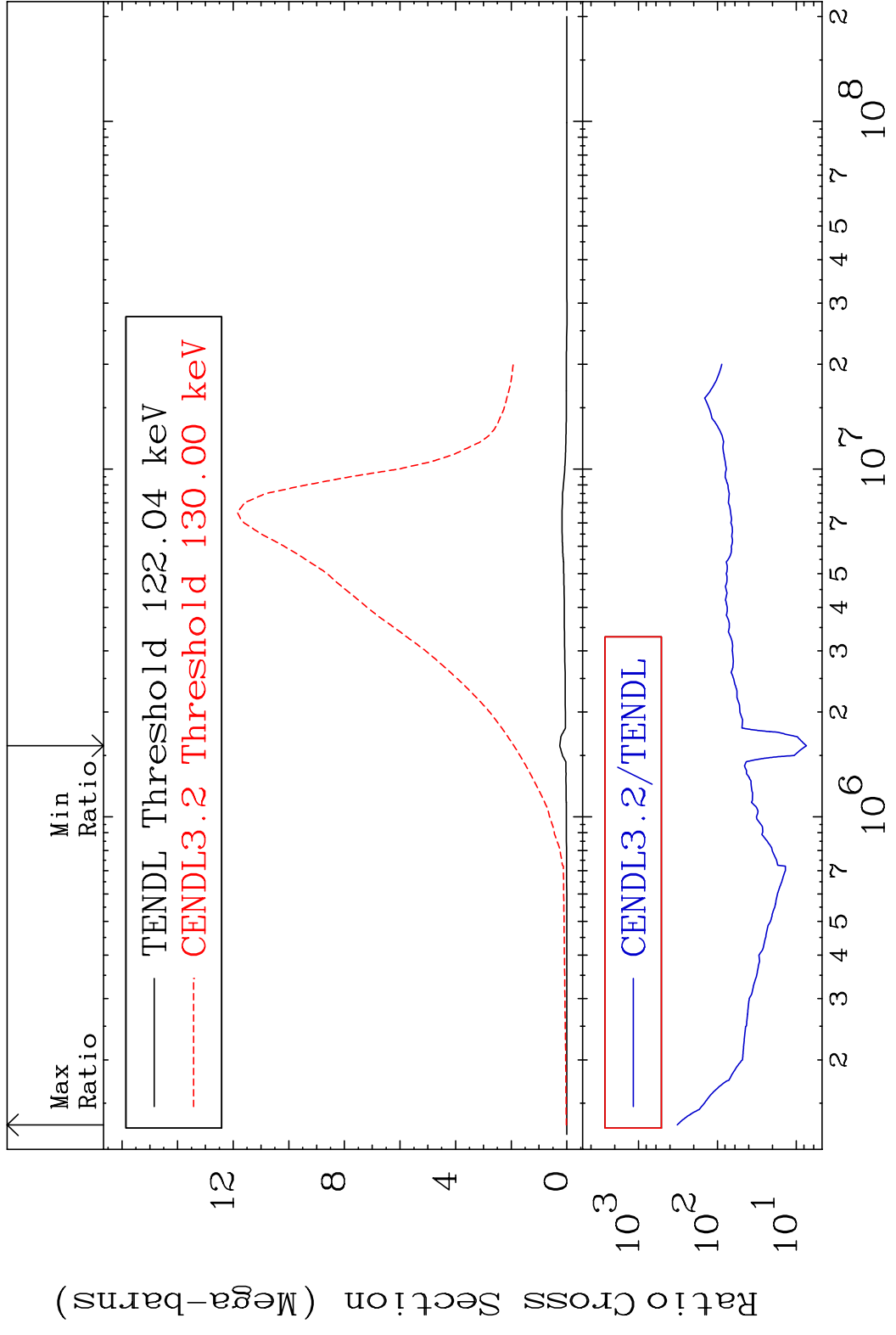


MAT 6234 Kerma non-elastic (all but mt2) 62-Sm-147  
 Cross Section 176.1 To 9999. %

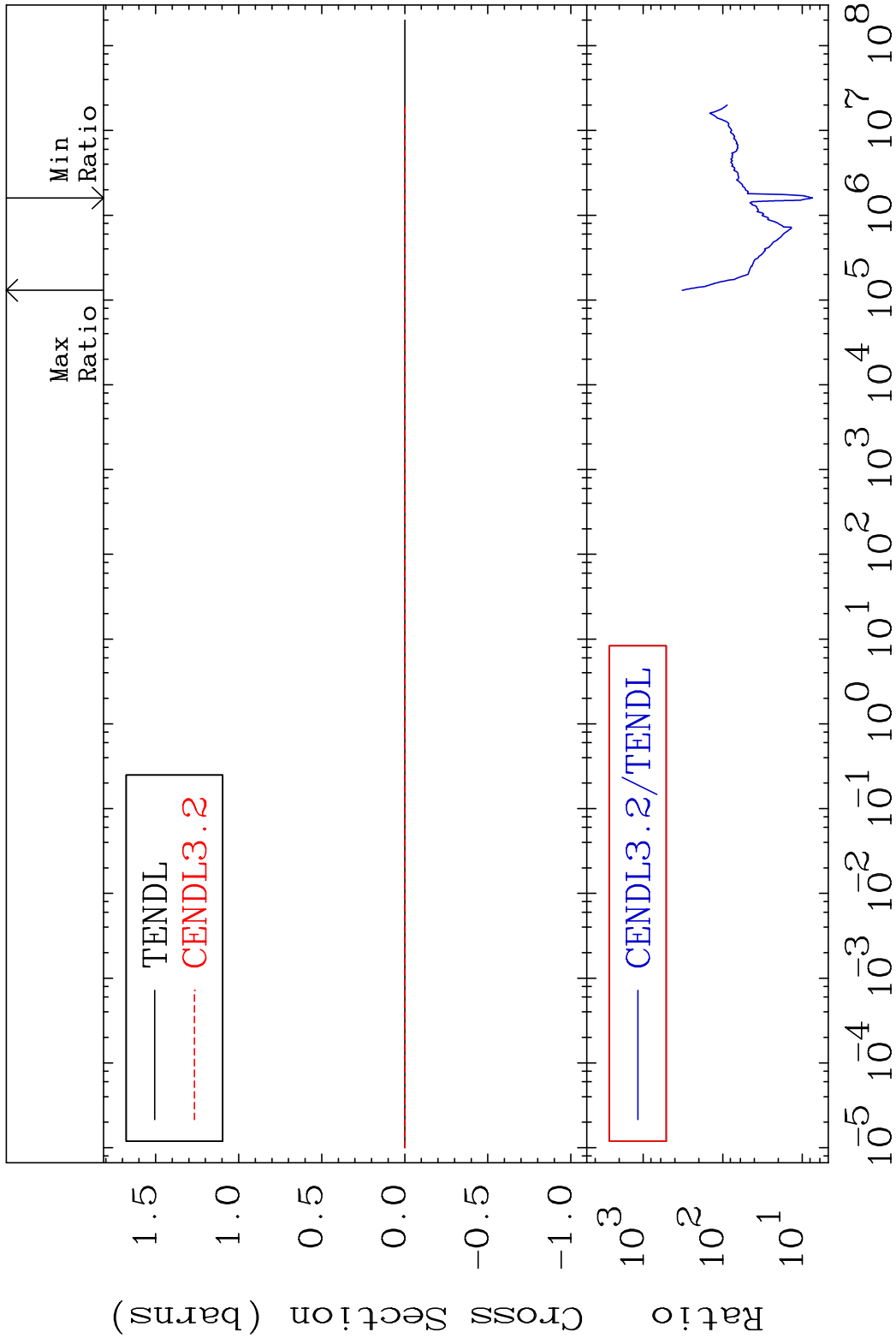


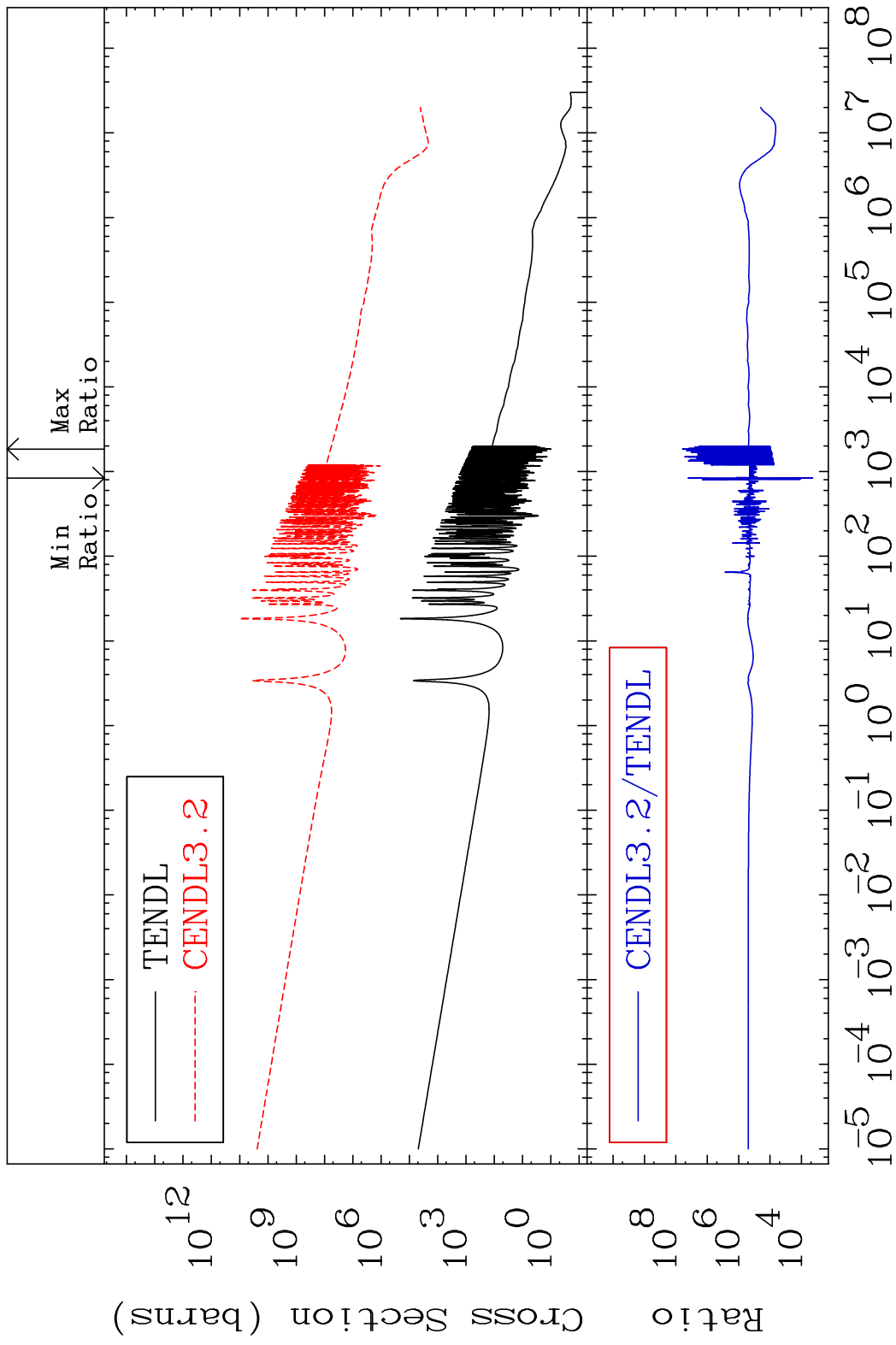
35 Incident Energy (eV) 62-Sm-147

MAT 6234 Kerma inelastic (mt51-91) 62-Sm-147  
 Cross Section 644.1 To 9999. %

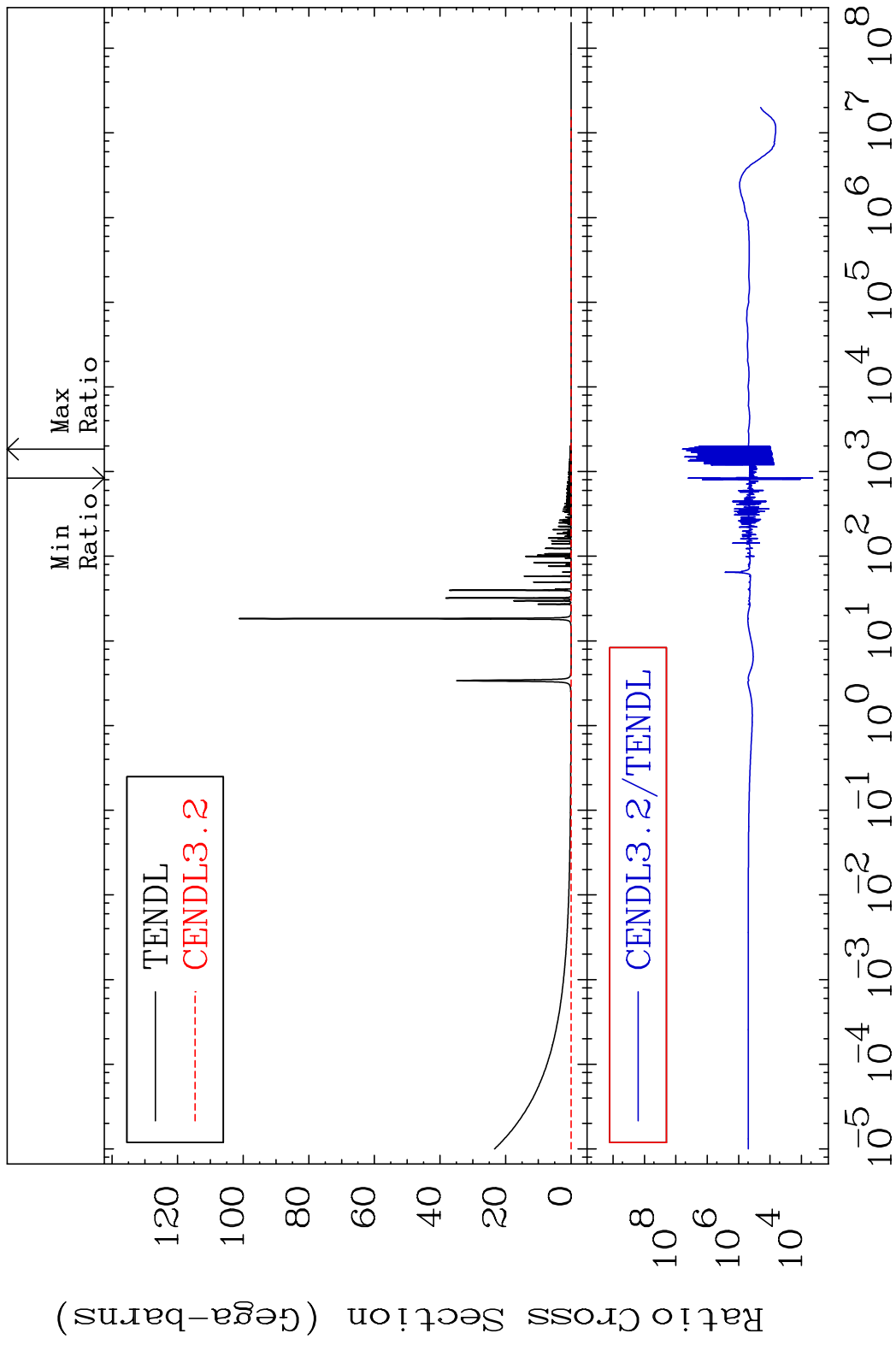


MAT 6234 Kerma fission (mt18 or mt19-20-21-38)  $^{62}\text{Sm}$ -147  
 Cross Section 644.1 To 9999. %



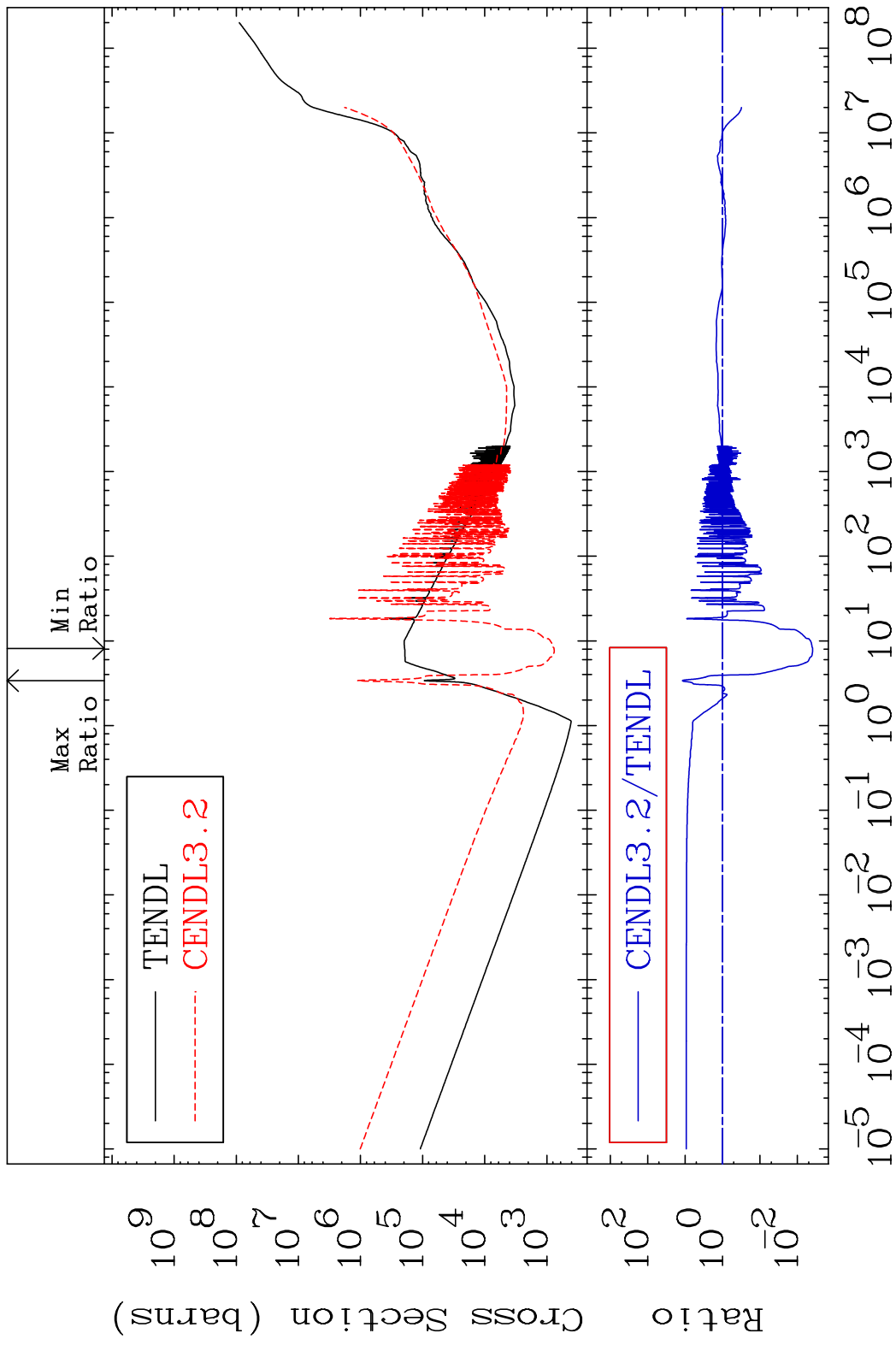


MAT 6234 Total photon (eV-barns) 62-Sm-147  
Cross Section 9999. To 9999. %



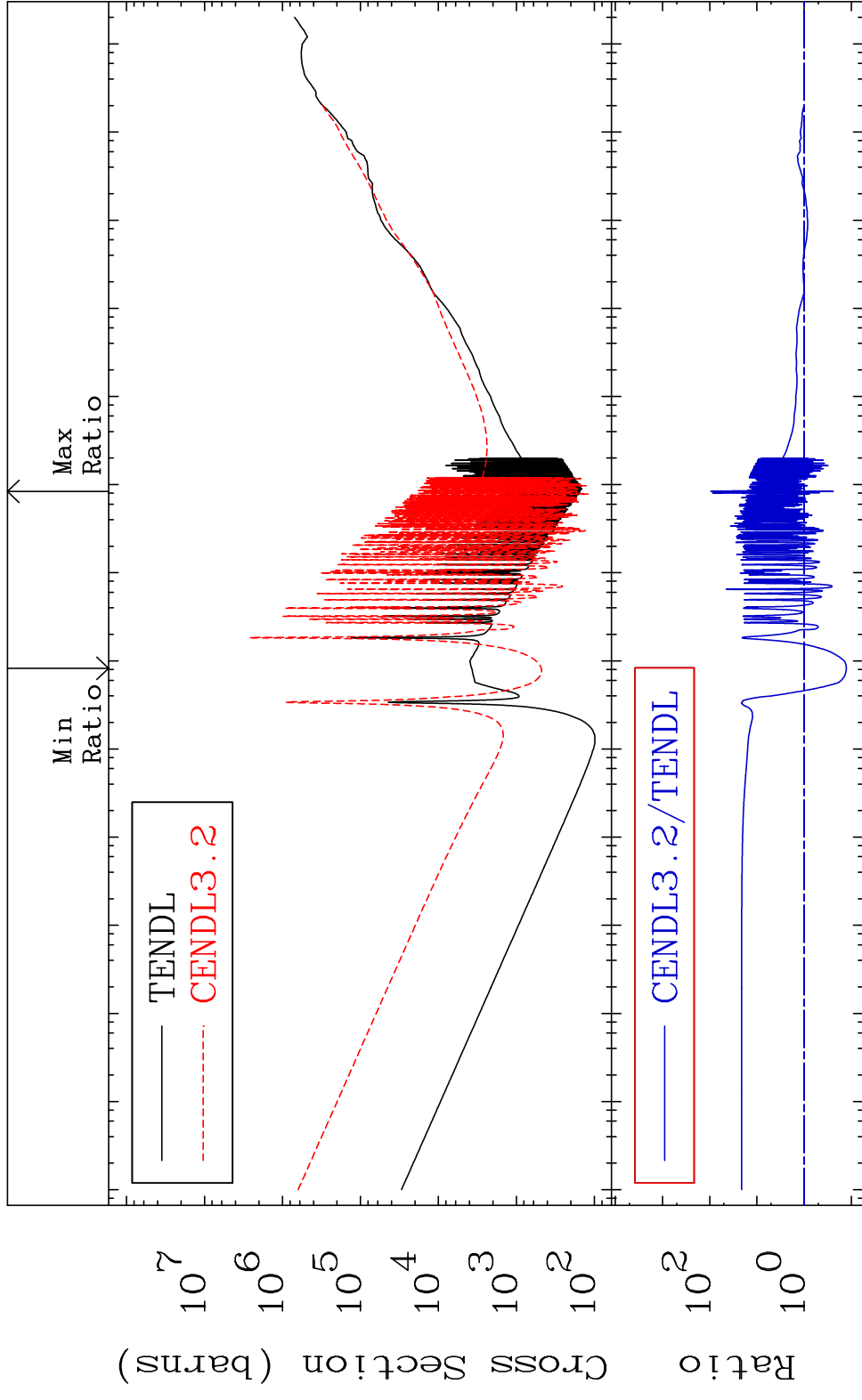
39 Incident Energy (eV) 62-Sm-147

MAT 6234 Total kinematic kerma (high limit) 62-Sm-147  
Cross Section -99.61 To 1084. %



40 Incident Energy (eV) 62-Sm-147

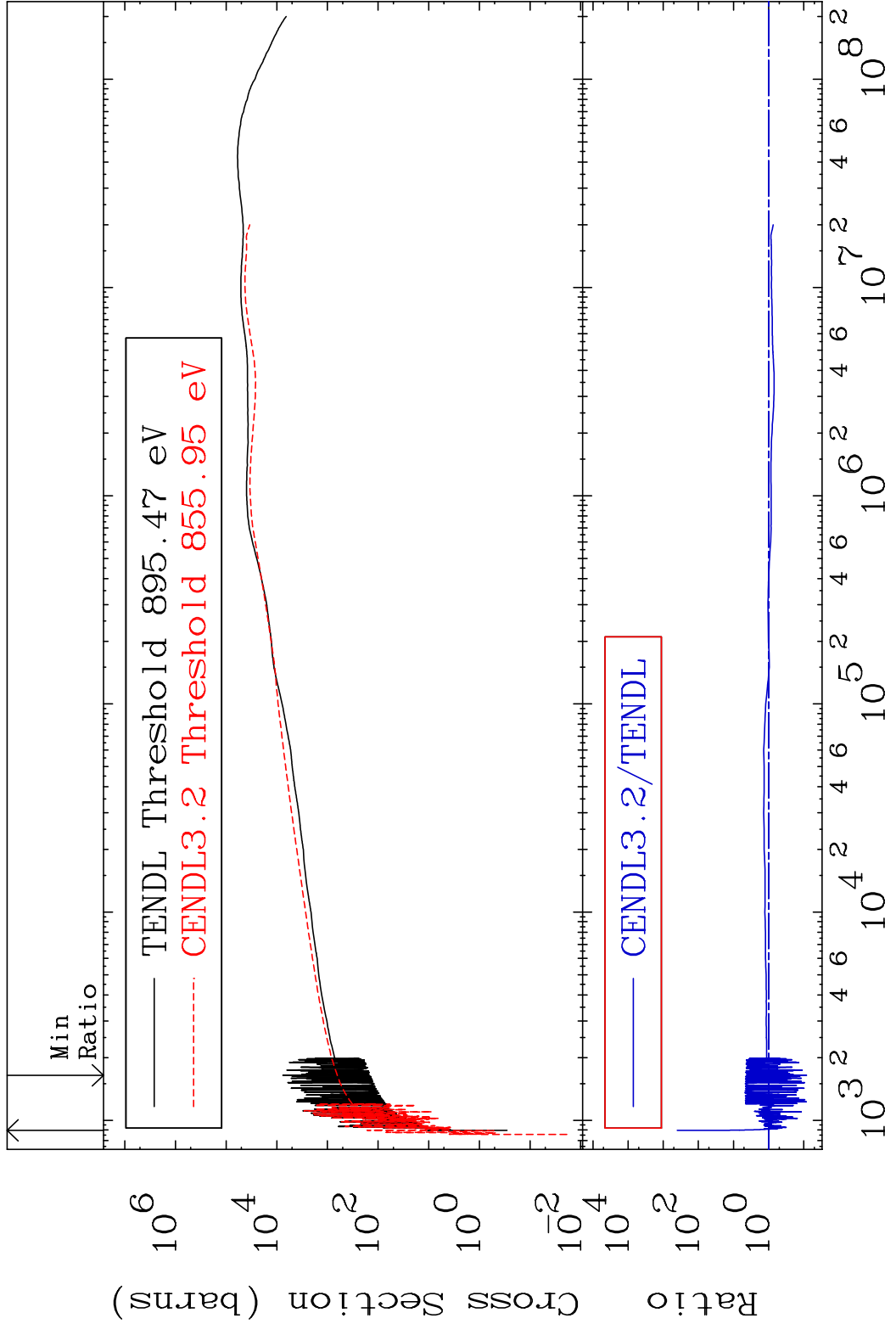
MAT 6234      Dpa total (eV-barns)      62-Sm-147  
 Cross Section      -87.20 To 9422. %



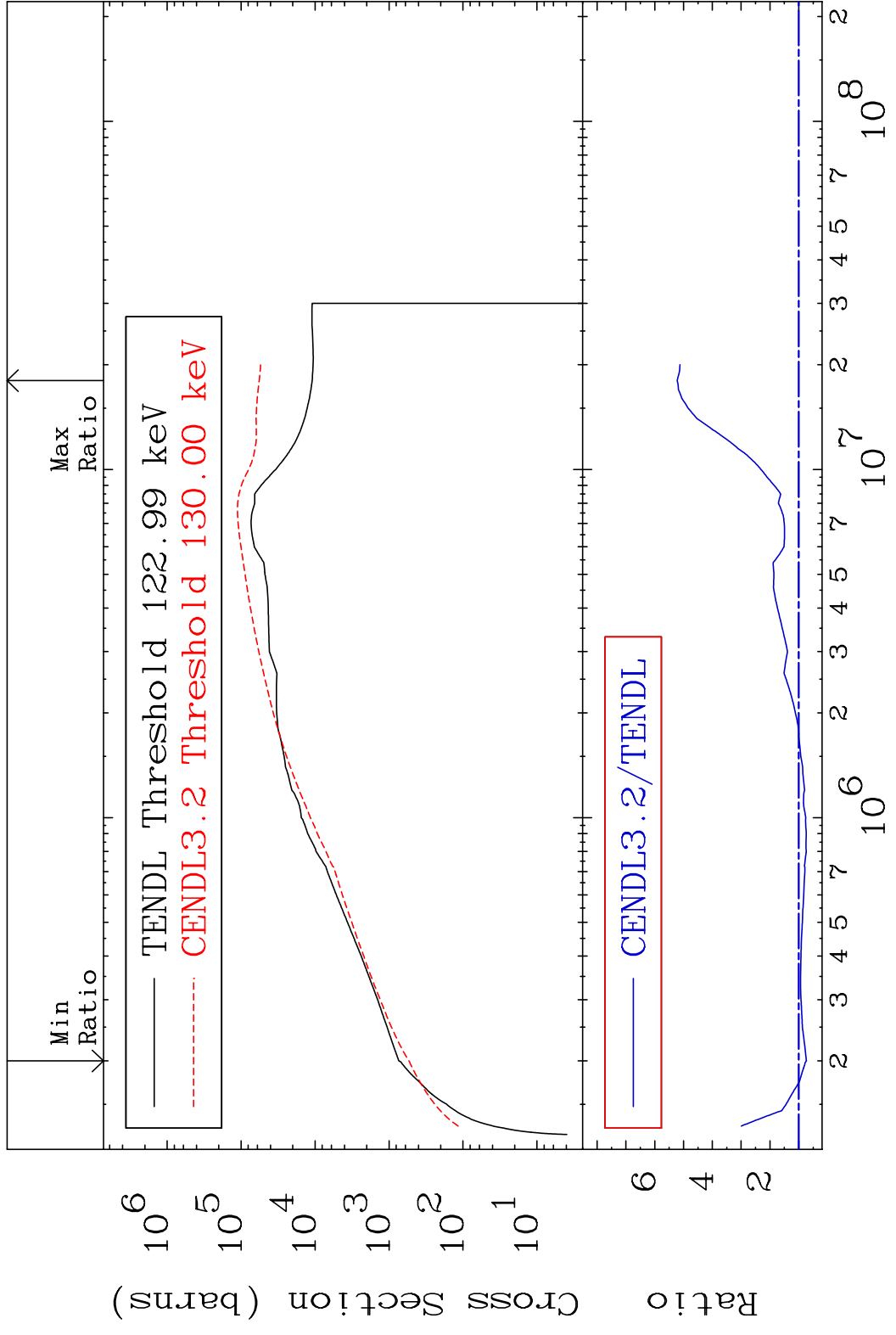
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

Incident Energy (eV)

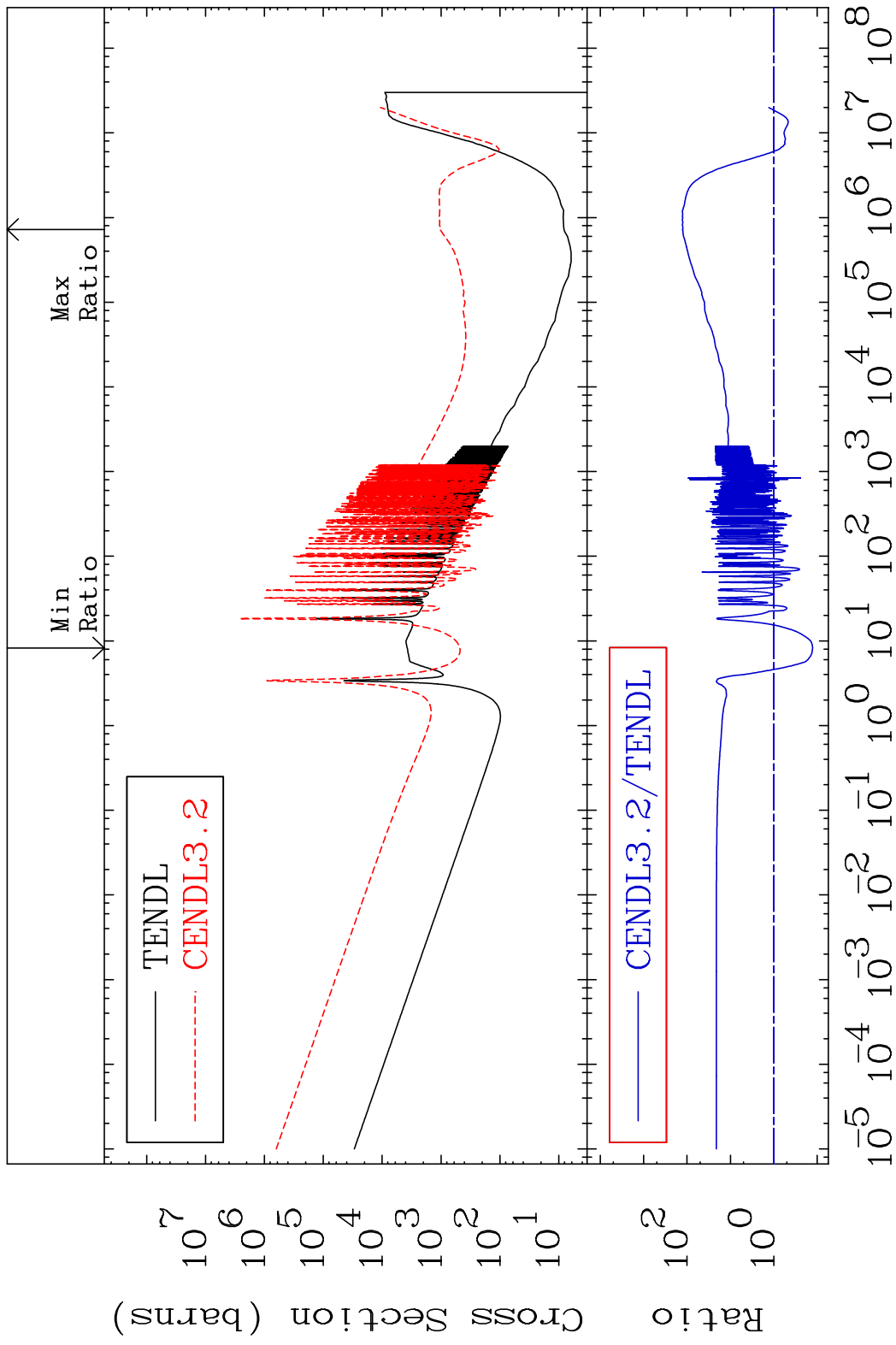
MAT 6234      Dpa elastic (mt2)      62-Sm-147  
 Cross Section      -91.58 To 9999. %



MAT 6234 Dpa inelastic (mt51-91) 62-Sm-147  
 Cross Section -26.57 To 422.0 %



MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147  
 Cross Section -87.20 To 9999. %

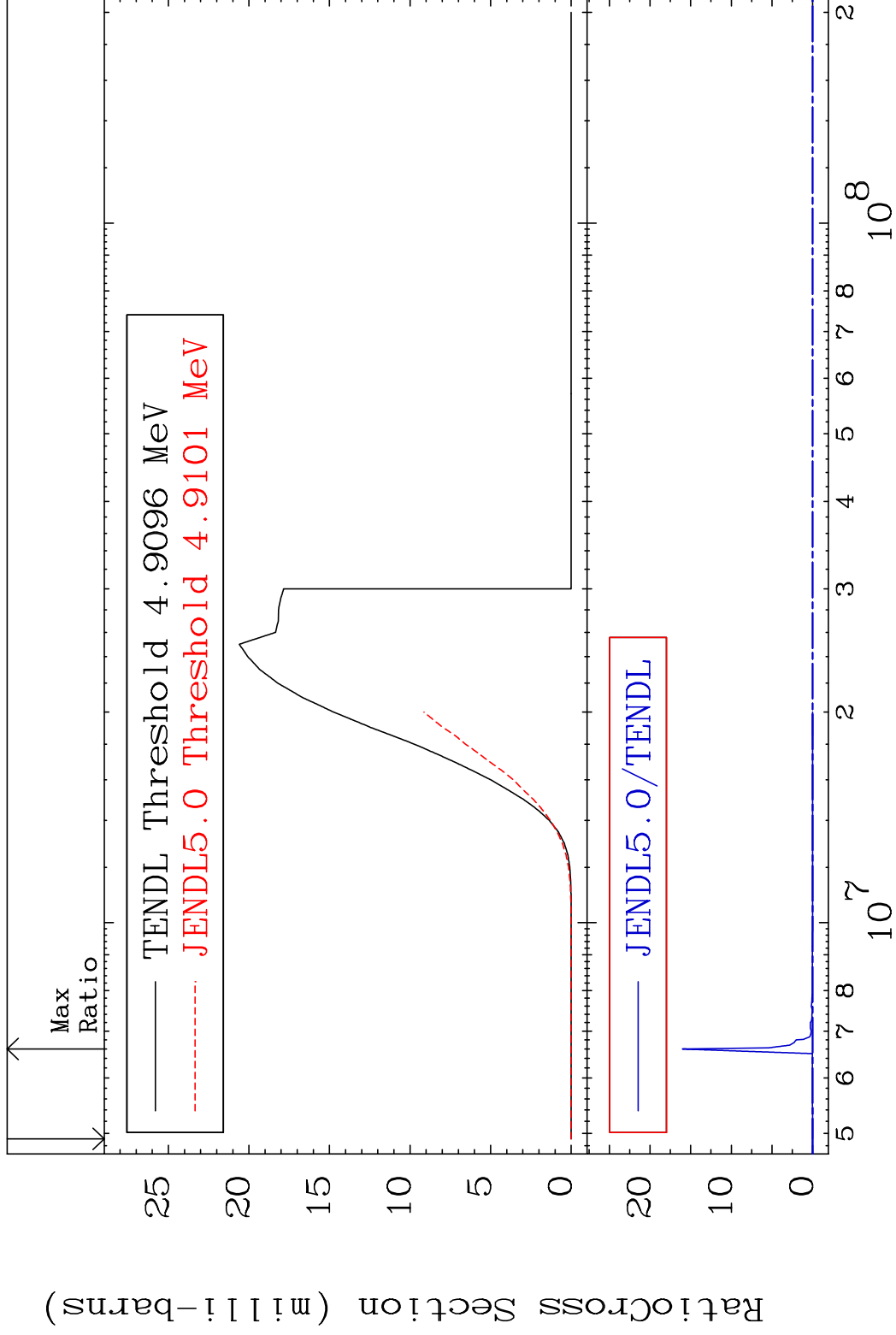


MAT 6234

(n, d)

62-Sm-147

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

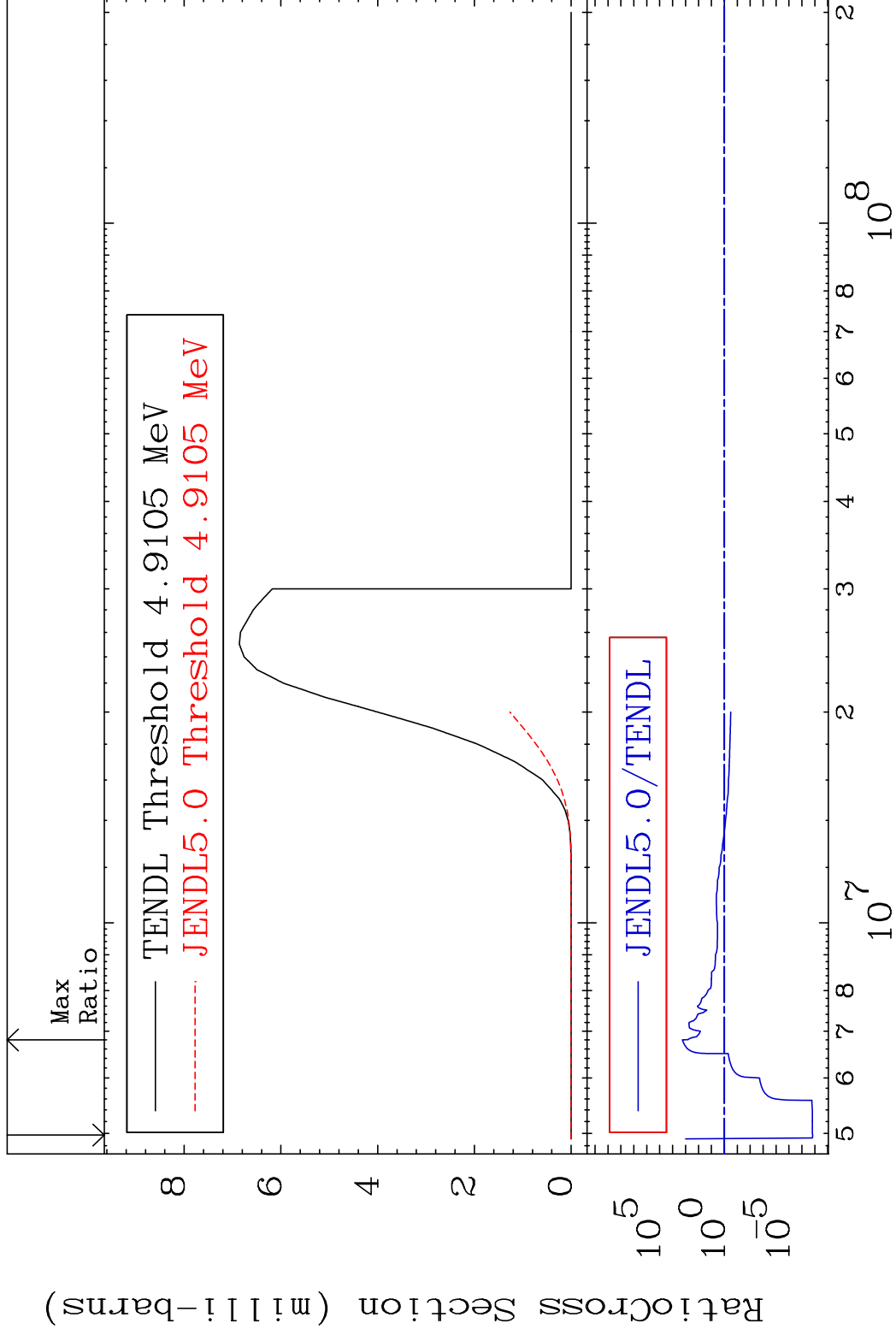
62-Sm-147

MAT 6234

(n, t)

62-Sm-147

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

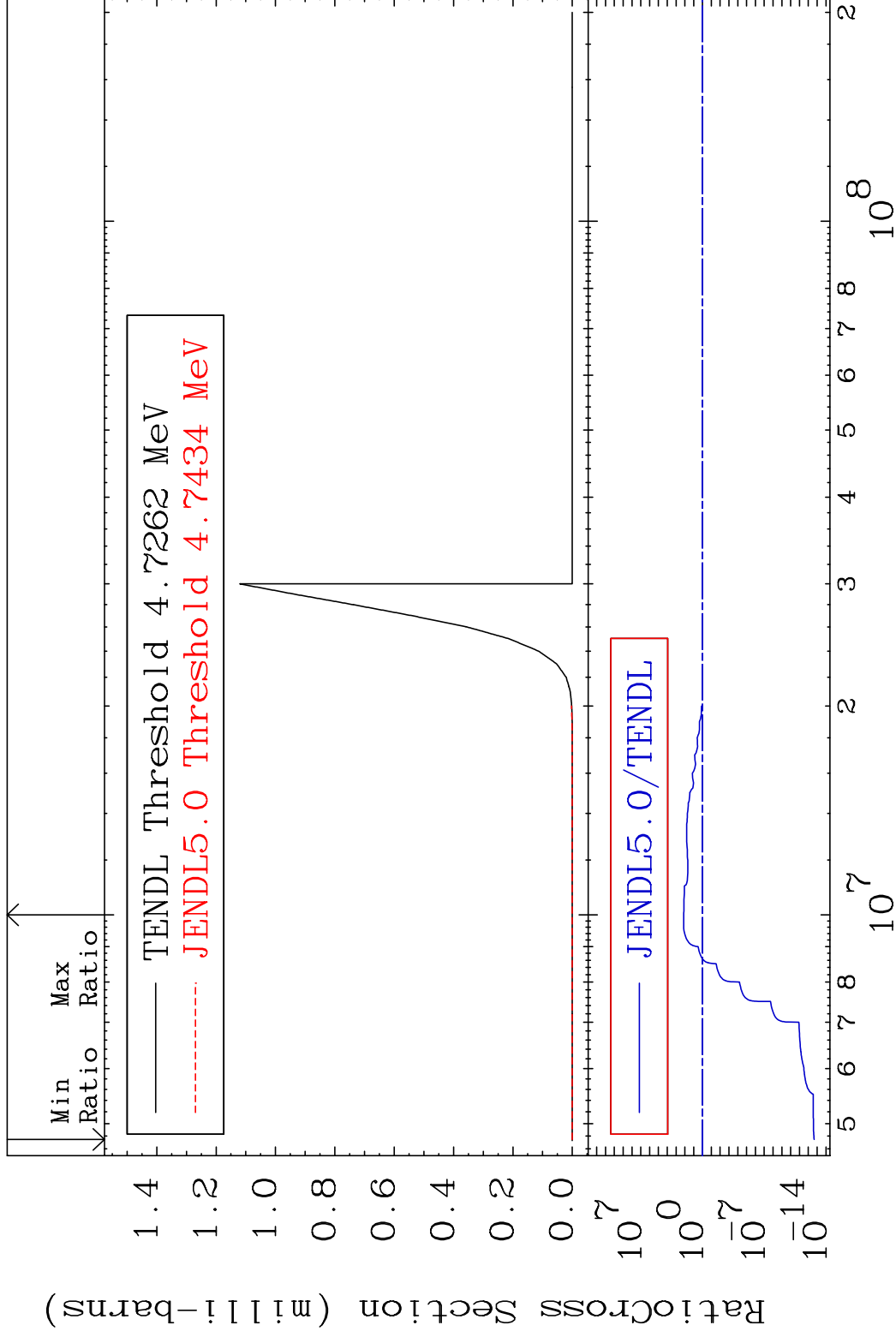
62-Sm-147

MAT 6234

(n, He-3)

62-Sm-147

Cross Section -100.0 To 9999. %



47

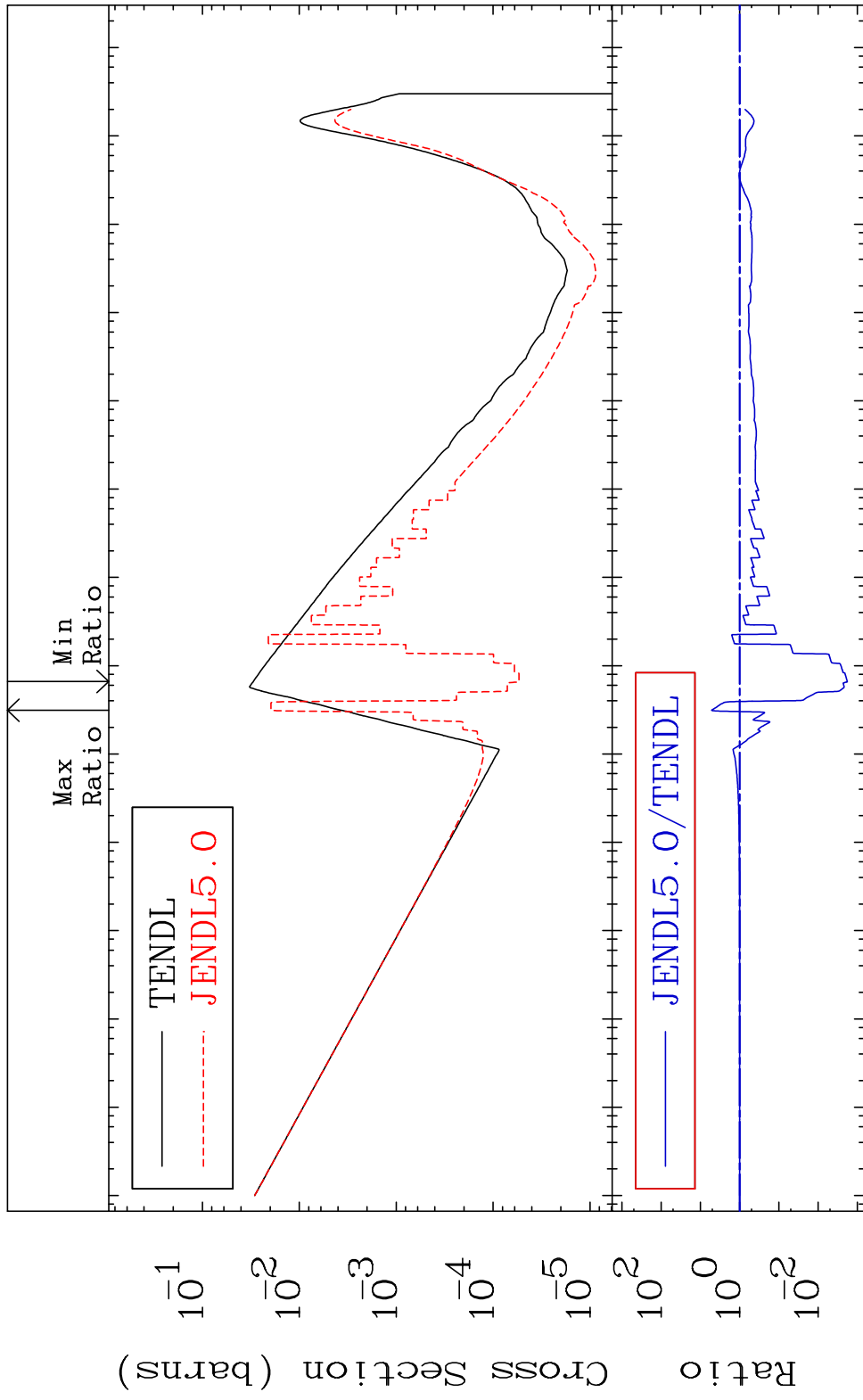
Incident Energy (eV)

62-Sm-147

MAT 6234

(n,  $\alpha$ )  
Cross Section -99.82 To 422.2 %

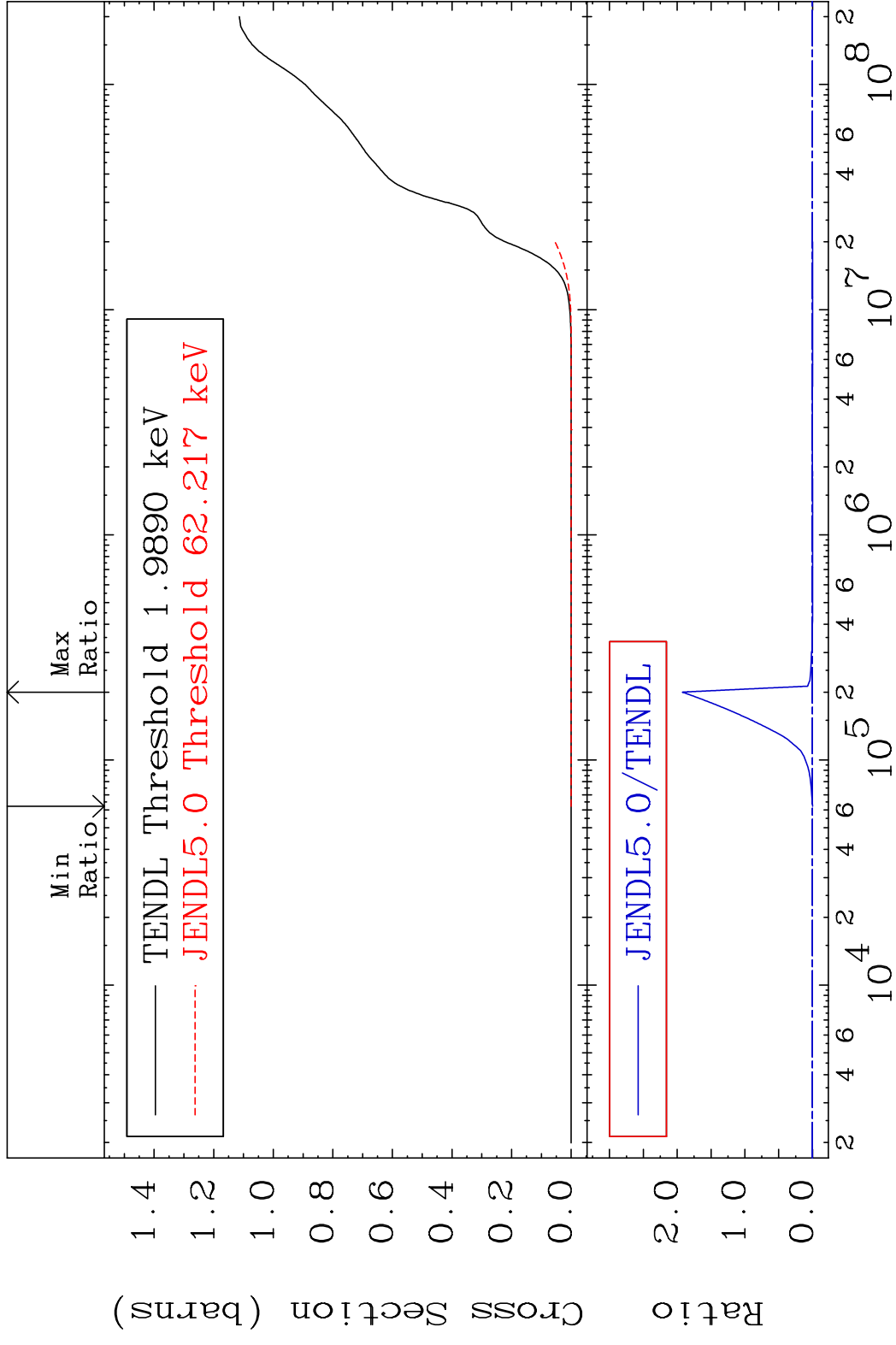
62-Sm-147



48

Incident Energy (eV)

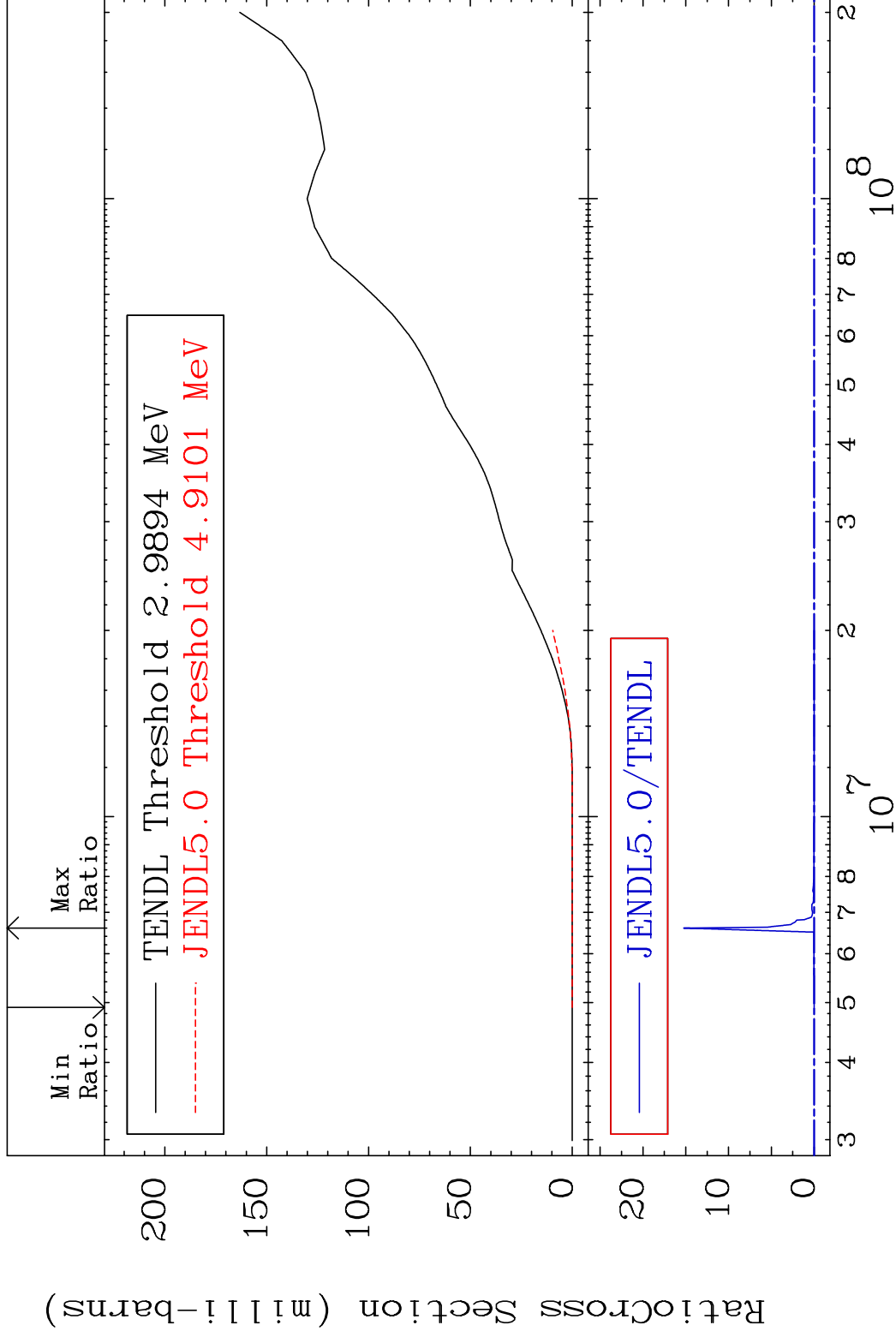
62-Sm-147



MAT 6234

Deuterium Production 62-Sm-147

Cross Section -100.0 To 9999. %

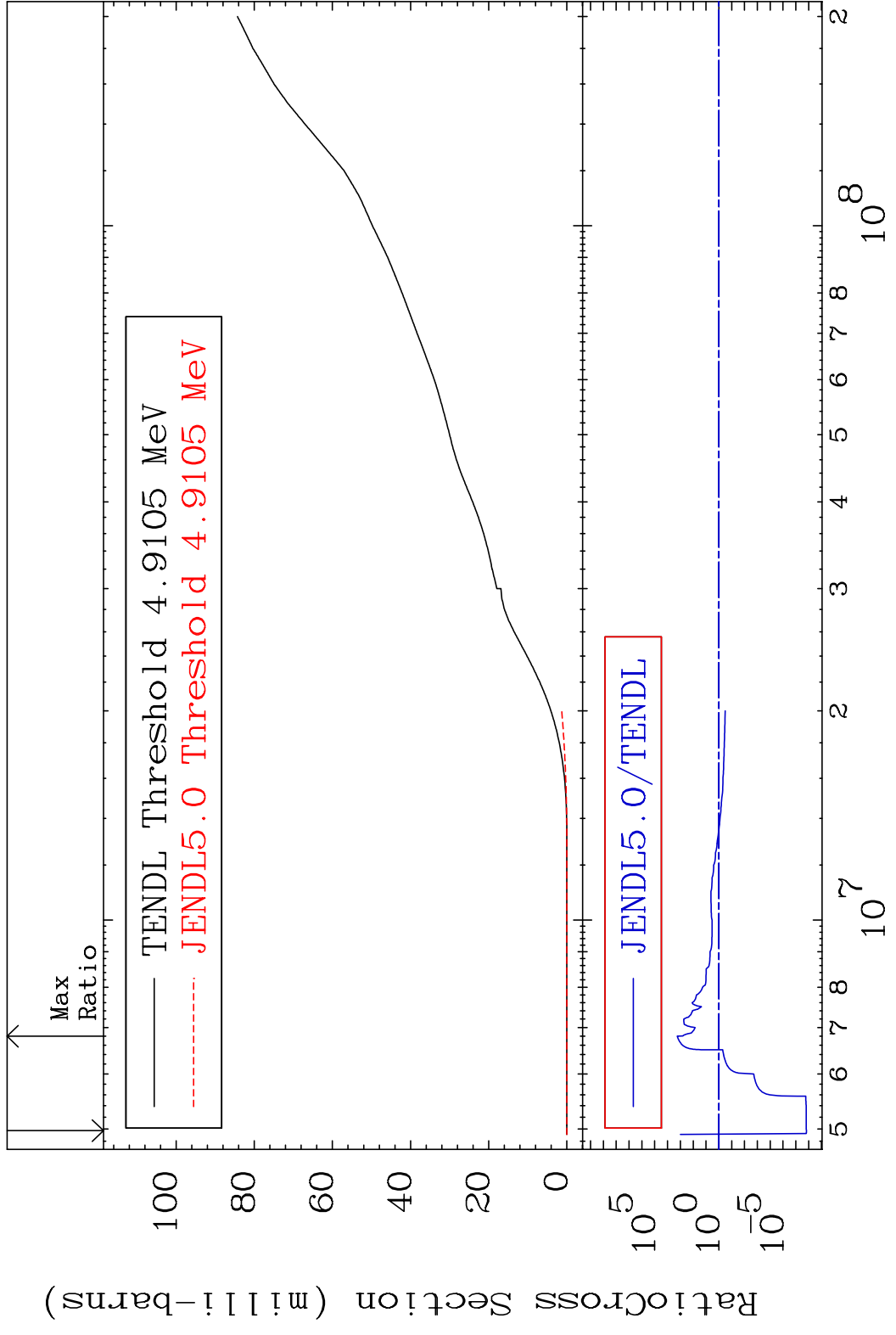


50

Incident Energy (eV)

62-Sm-147

MAT 6234 Tritium Production 62-Sm-147  
 Cross Section -100.0 To 9999. %

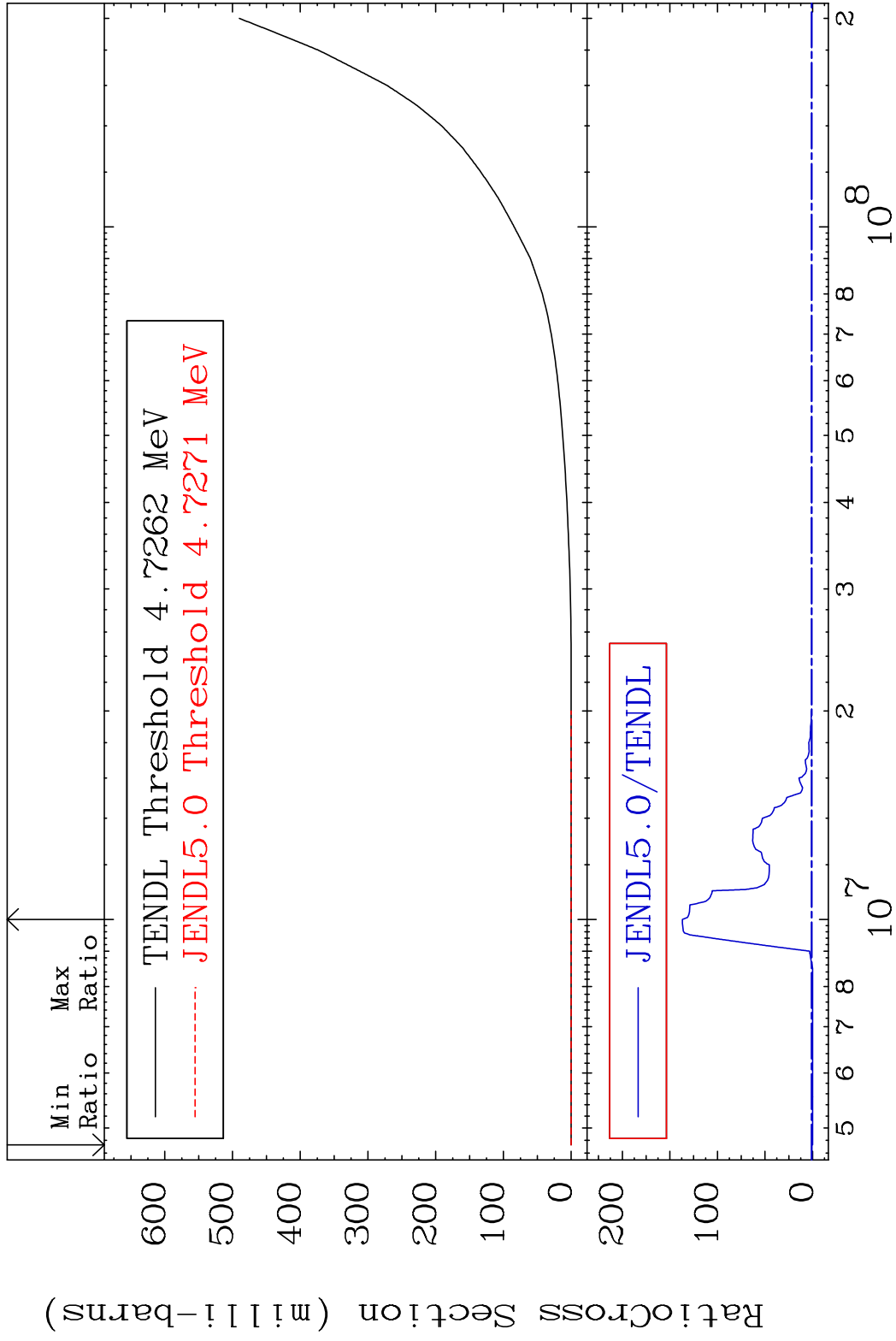


MAT 6234

He-3 Production

62-Sm-147

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

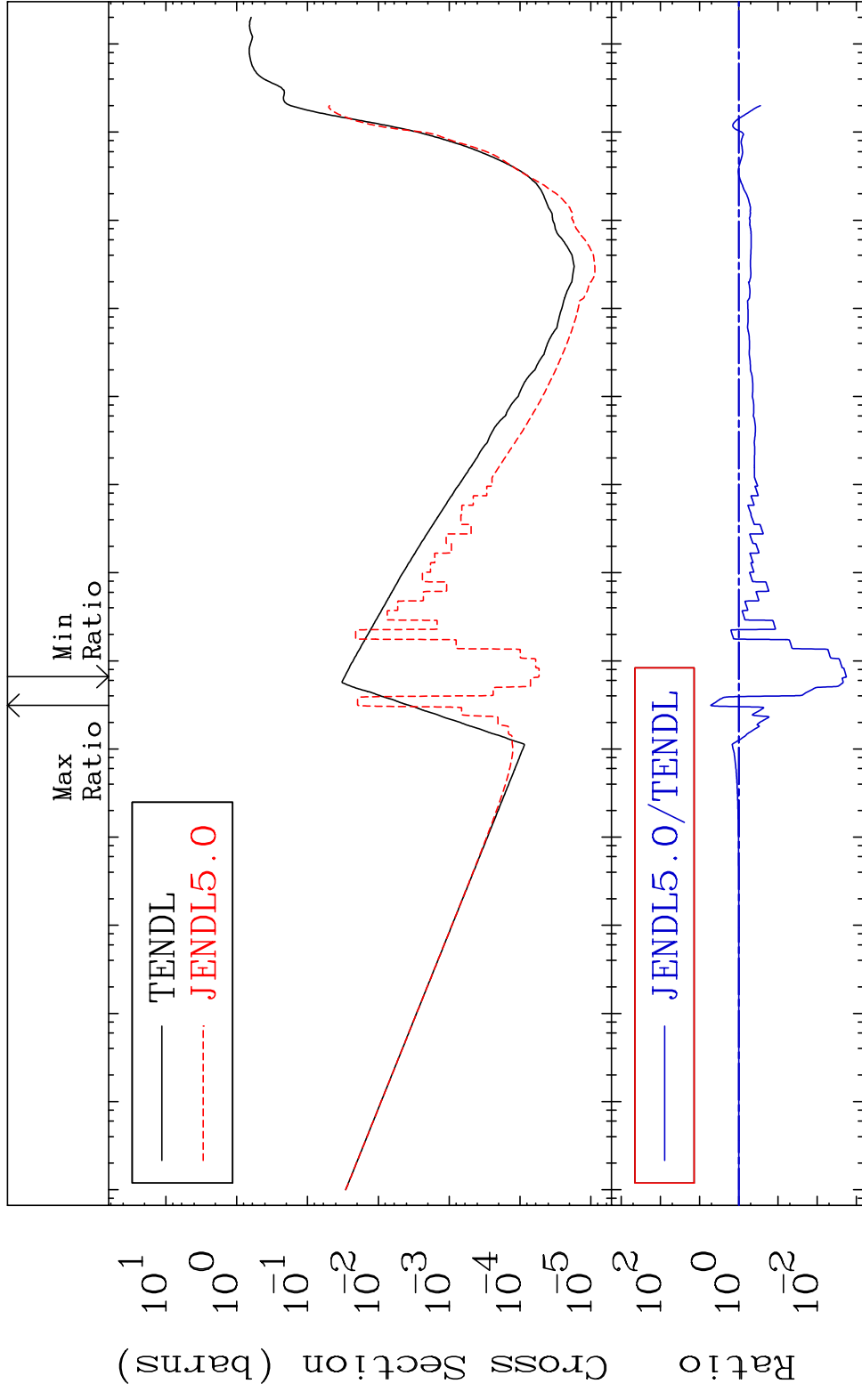
62-Sm-147

MAT 6234

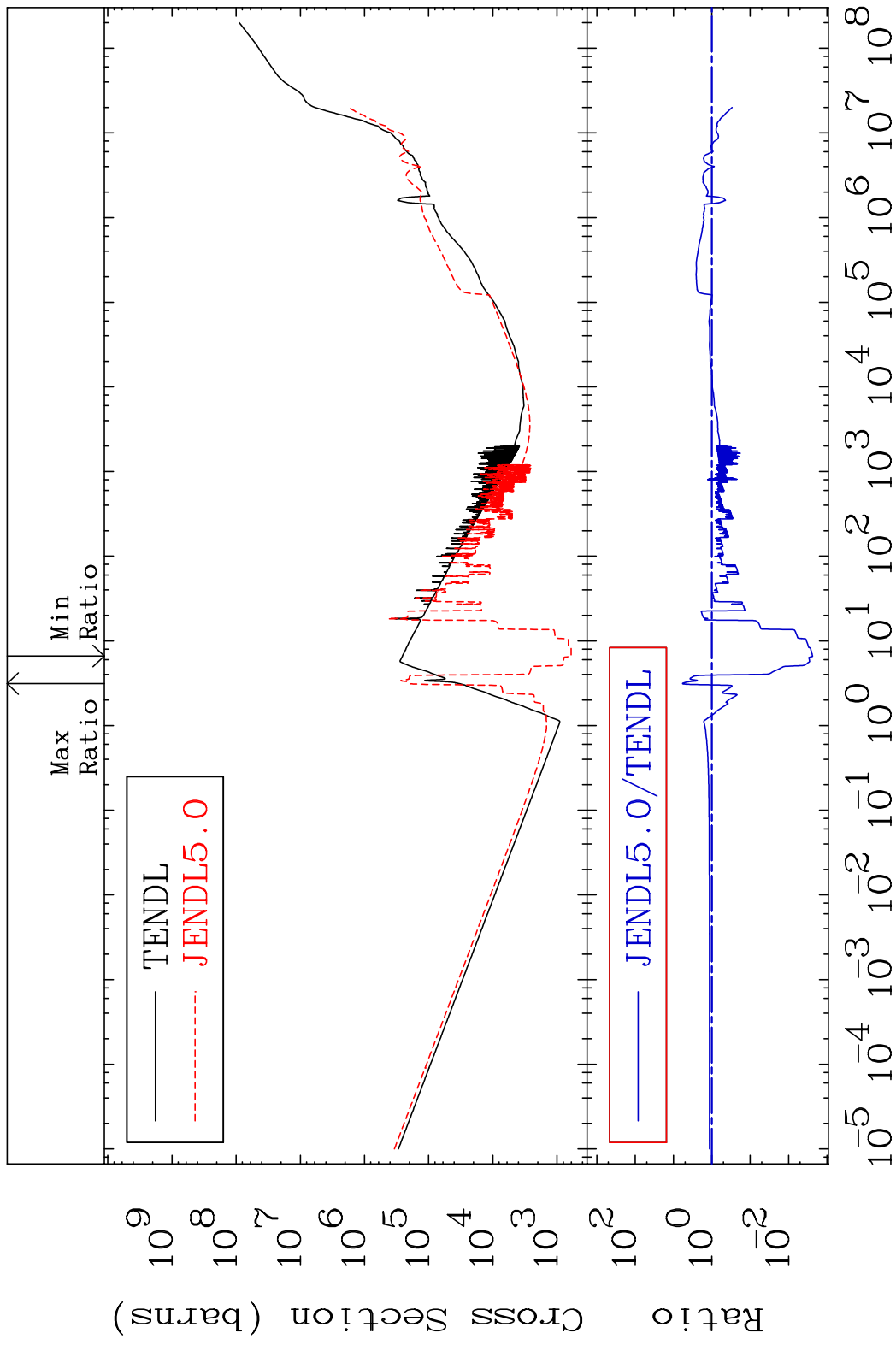
He-4 Production

62-Sm-147

Cross Section -99.82 To 422.2 %



MAT 6234 Kerma total (eV-barns) 62-Sm-147  
 Cross Section -99.76 To 488.1 %

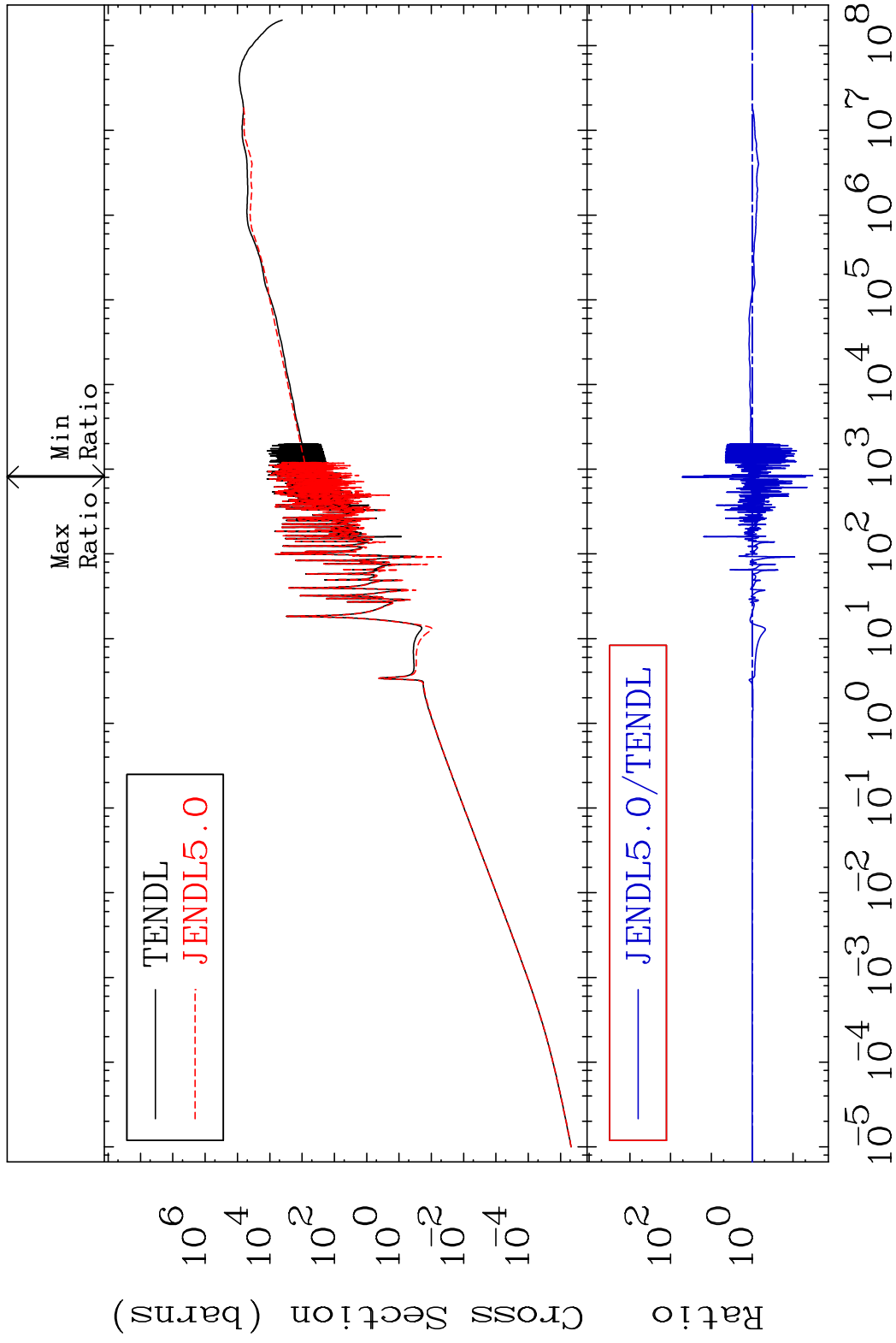


MAT 6234

Kerma elastic

62-Sm-147

Cross Section -96.68 To 5062. %

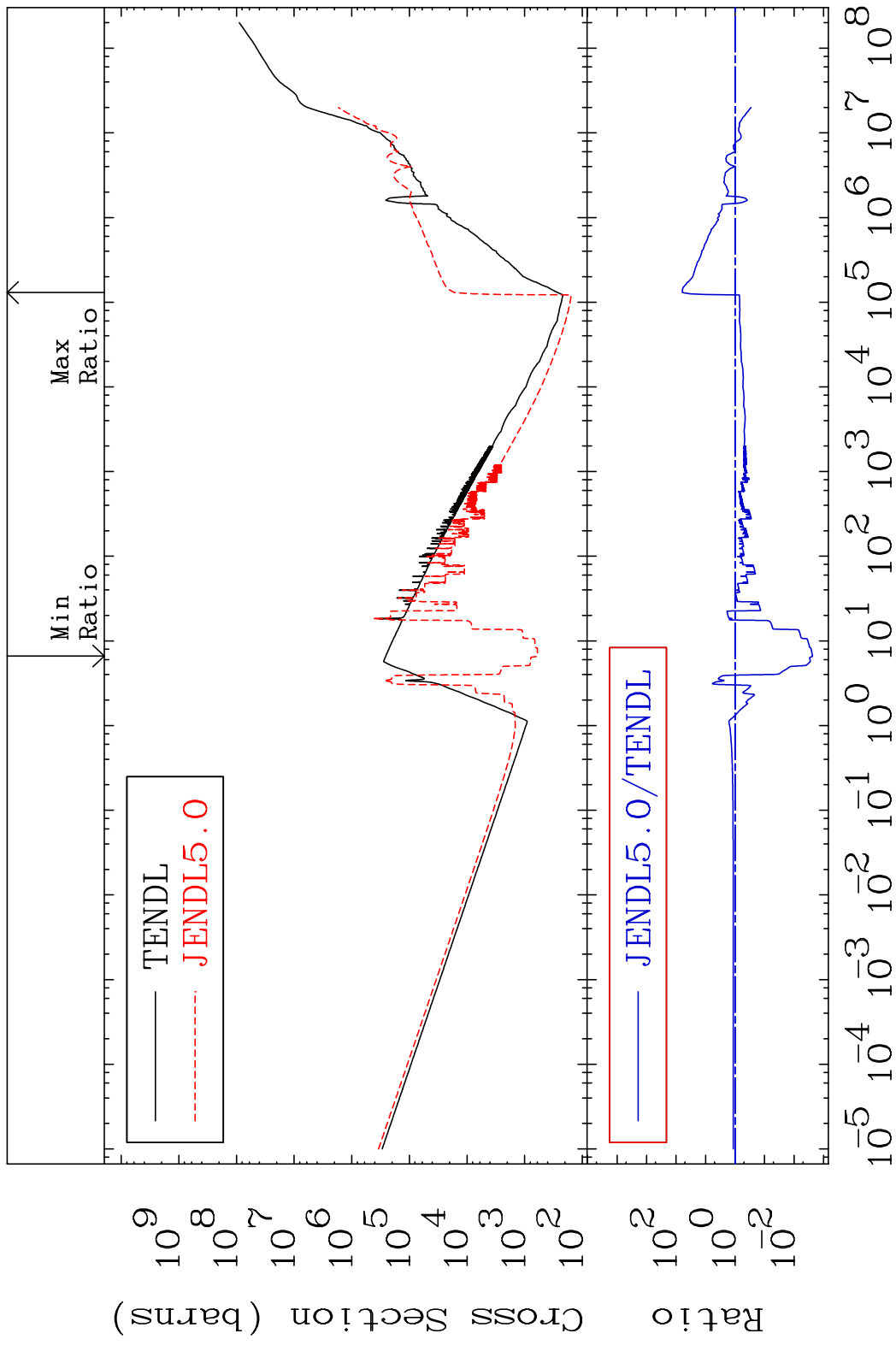


55

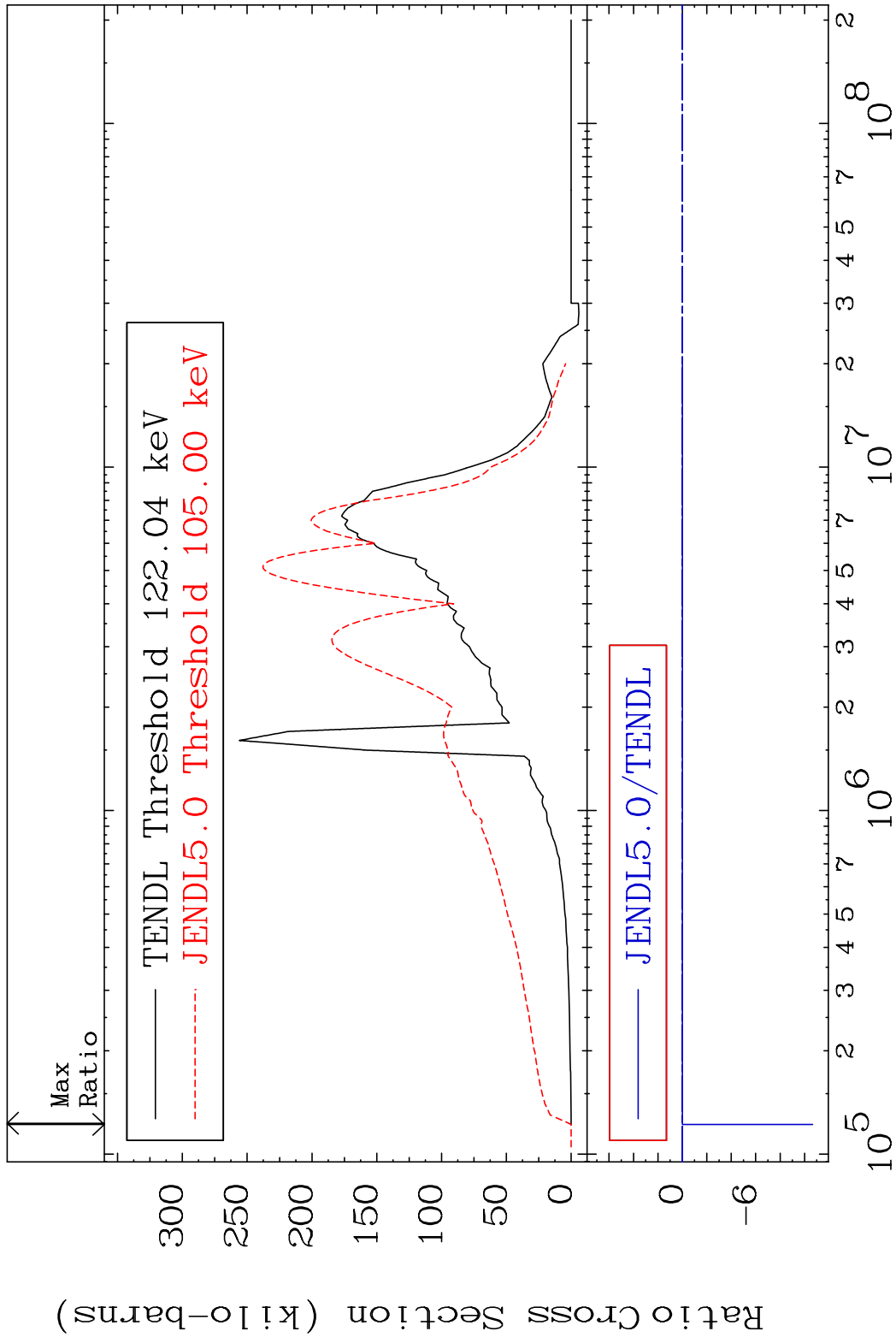
Incident Energy (eV)

62-Sm-147

MAT 6234 Kerma non-elastic (all but mt2) 62-Sm-147  
 Cross Section -99.76 To 6030. %

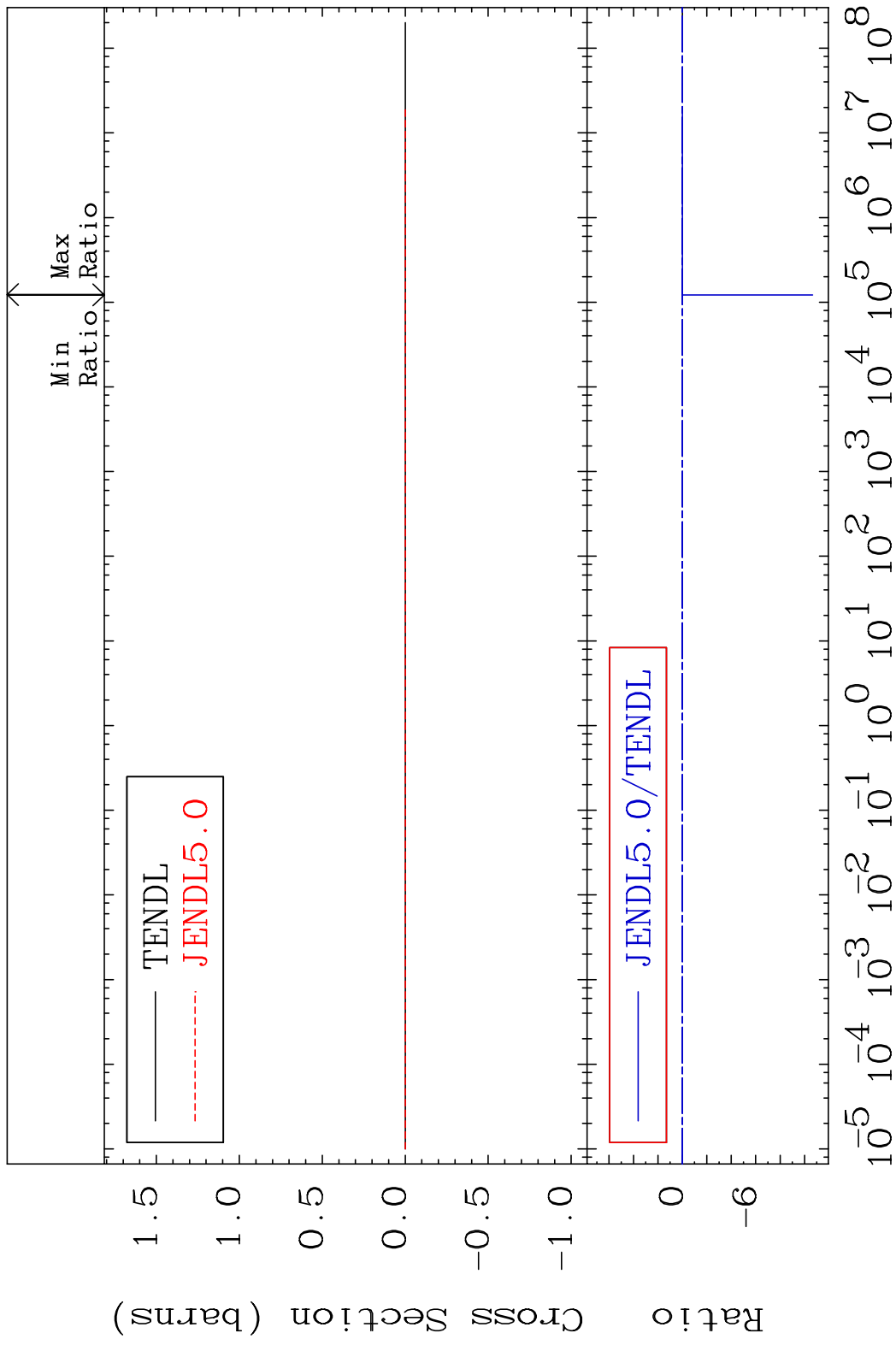


MAT 6234 Kerma inelastic (mt51-91) 62-Sm-147  
 Cross Section -9999. To 9999. %



57 Incident Energy (eV) 62-Sm-147

MAT 6234 Kerma fission (mt18 or mt19-20-21-38)  $^{62}\text{Sm}$ -147  
 Cross Section -9999. To 9999. %

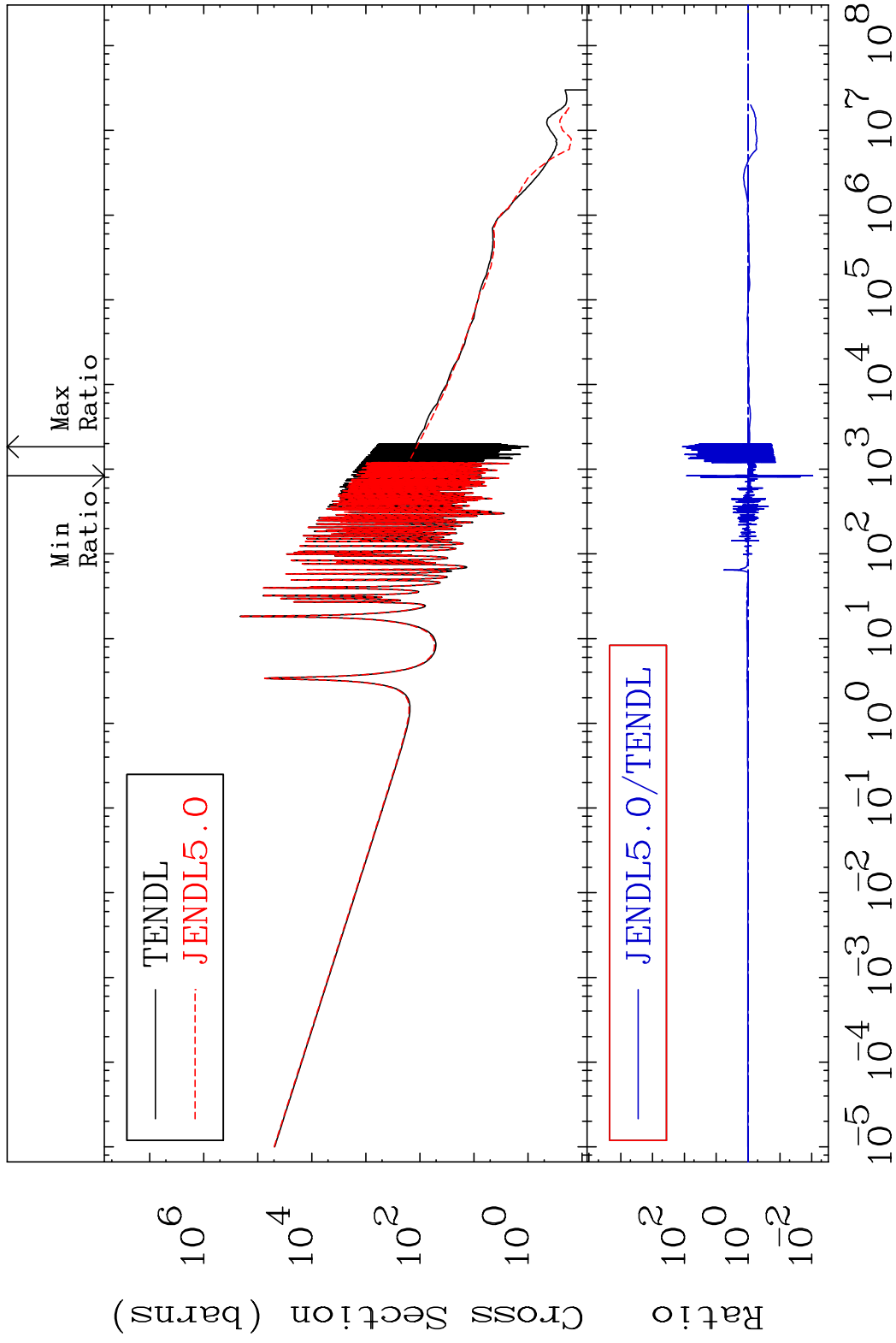


MAT 6234

Kerma capture (mt102)

62-Sm-147

Cross Section -99.06 To 9999. %

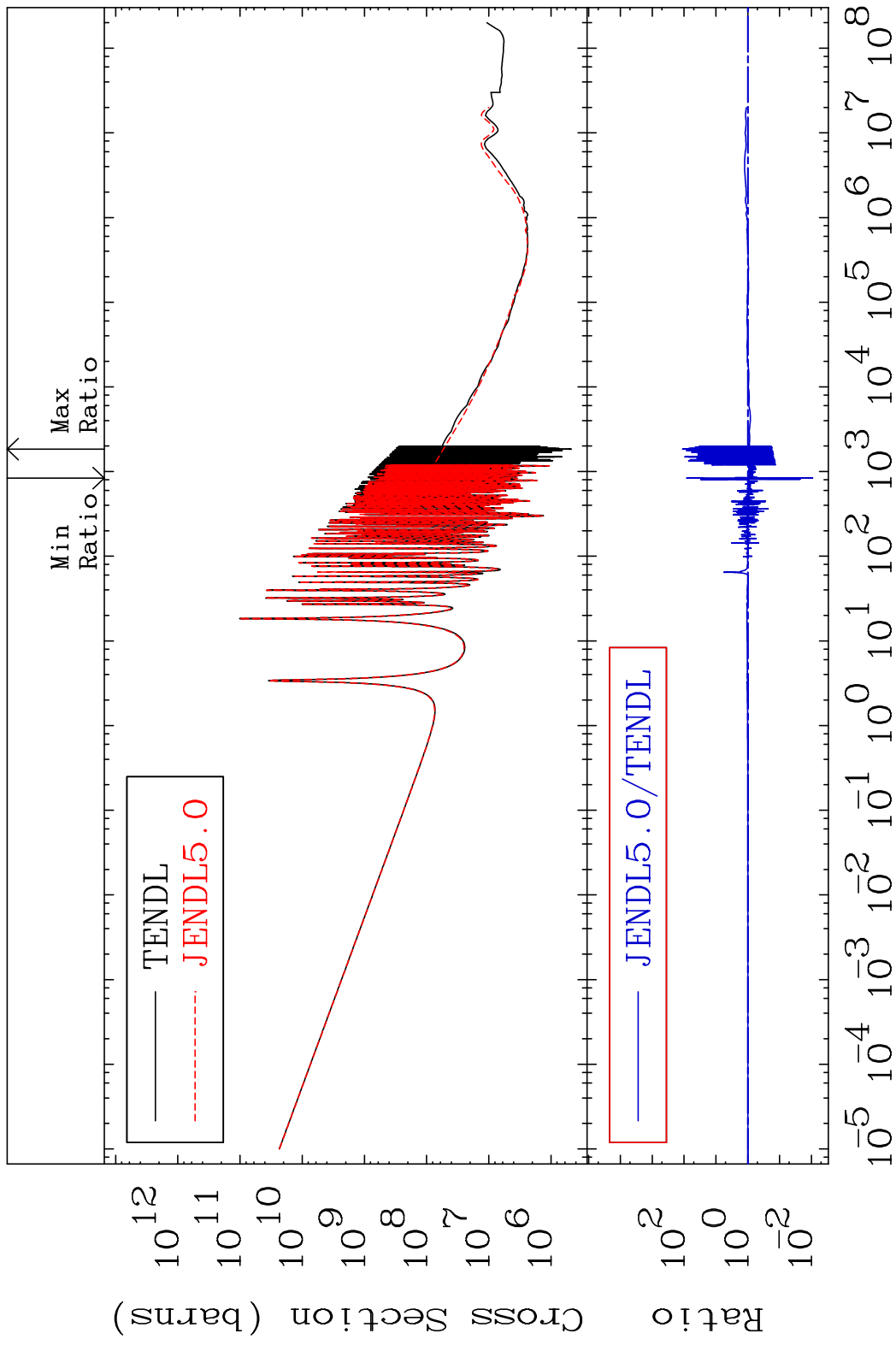


59

Incident Energy (eV)

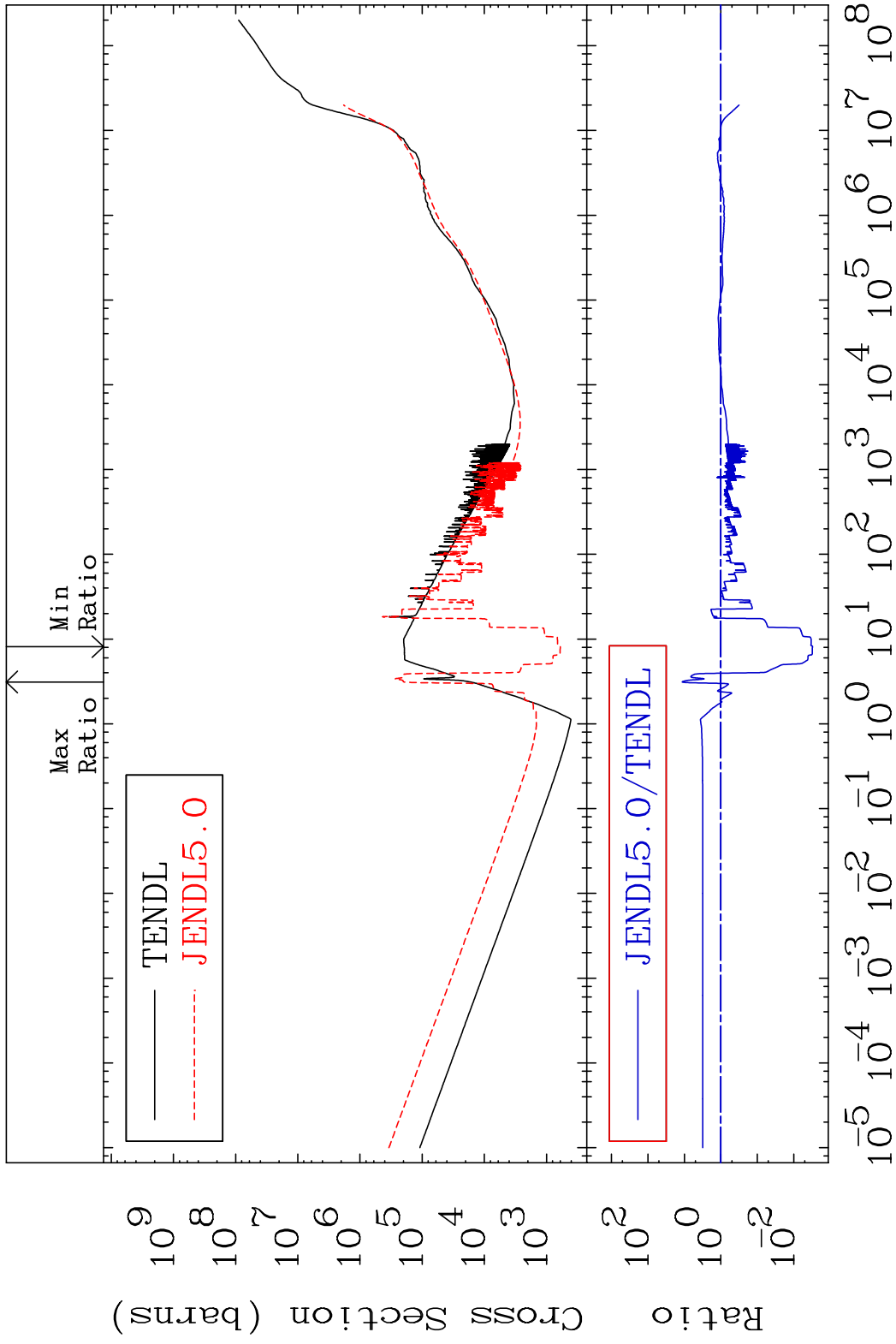
62-Sm-147

MAT 6234 Total photon (eV-barns) 62-Sm-147  
Cross Section -99.08 To 9999. %



60 Incident Energy (eV) 62-Sm-147

MAT 6234 Total kinematic kerma (high limit) 62-Sm-147  
Cross Section -99.69 To 1050. %

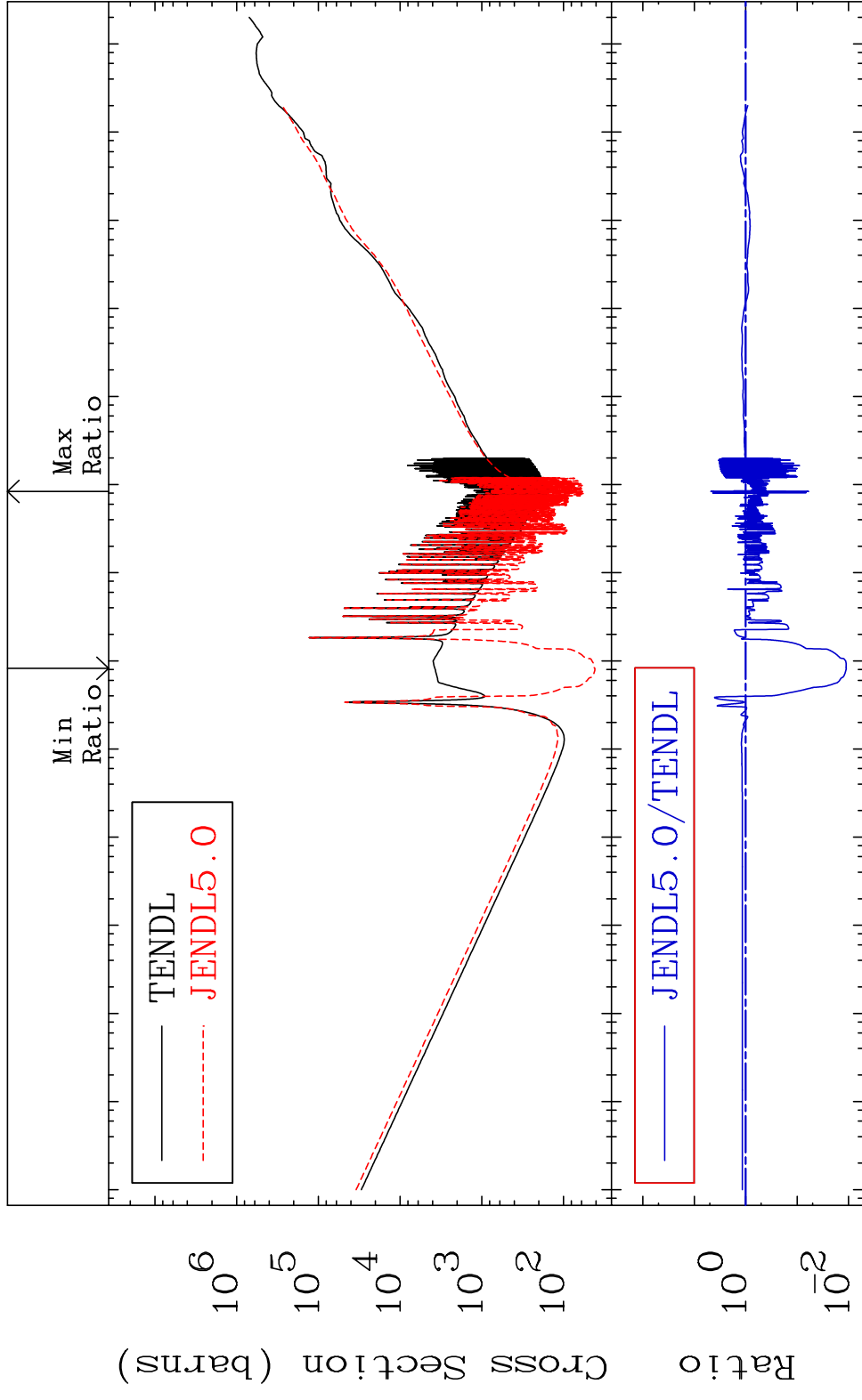


MAT 6234

Dpa total (eV-barns)

62-Sm-147

Cross Section -98.90 To 379.6 %



62

Incident Energy (eV)

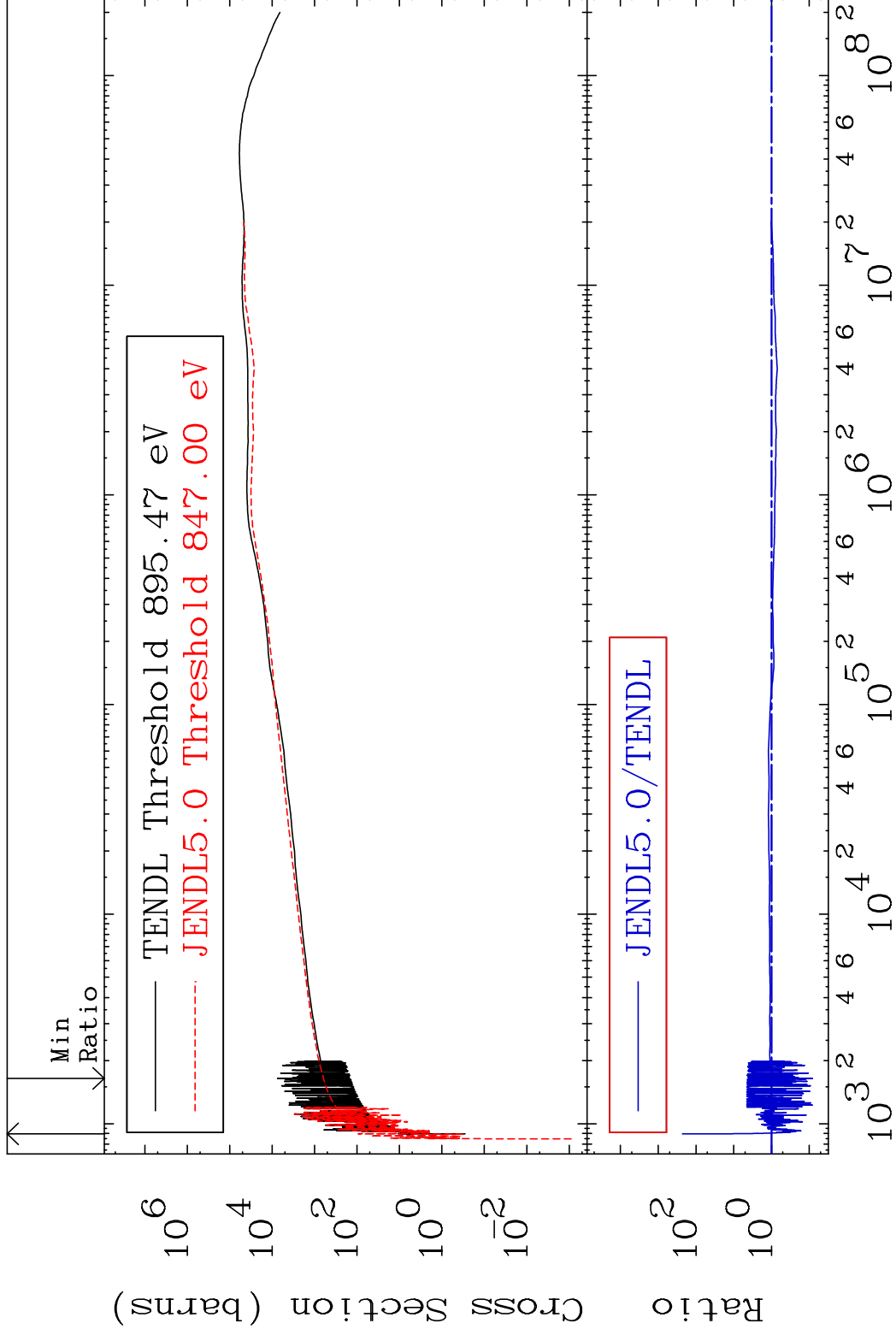
62-Sm-147

MAT 6234

Dpa elastic (mt2)

62-Sm-147

Cross Section -91.84 To 9999. %

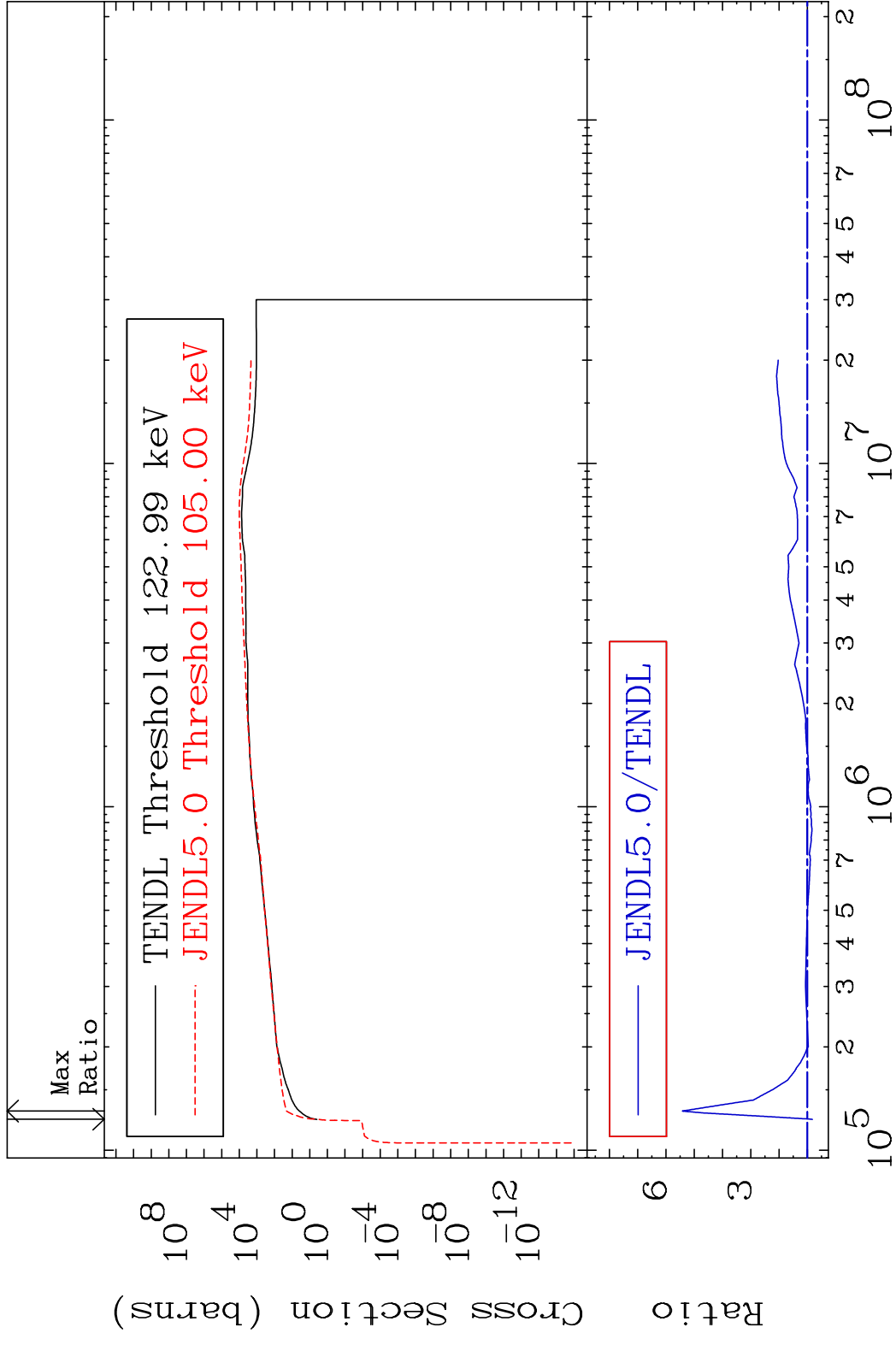


63

Incident Energy (eV)

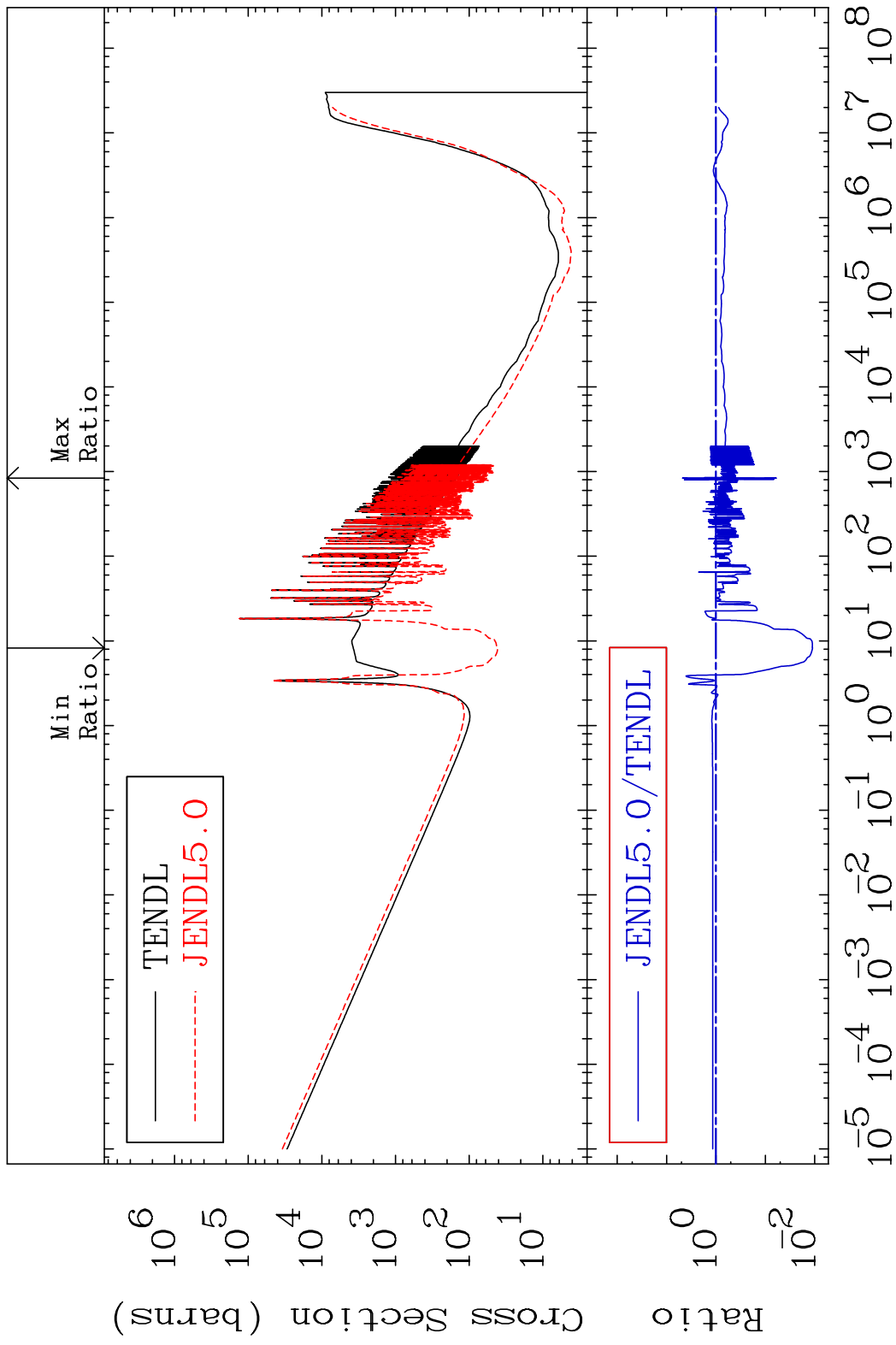
62-Sm-147

MAT 6234      Dpa inelastic (mt51-91)      62-Sm-147  
 Cross Section    -18.25 To 442.1 %



64      Incident Energy (eV)      62-Sm-147

MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147  
 Cross Section -98.90 To 379.6 %



65 Incident Energy (eV) 62-Sm-147