

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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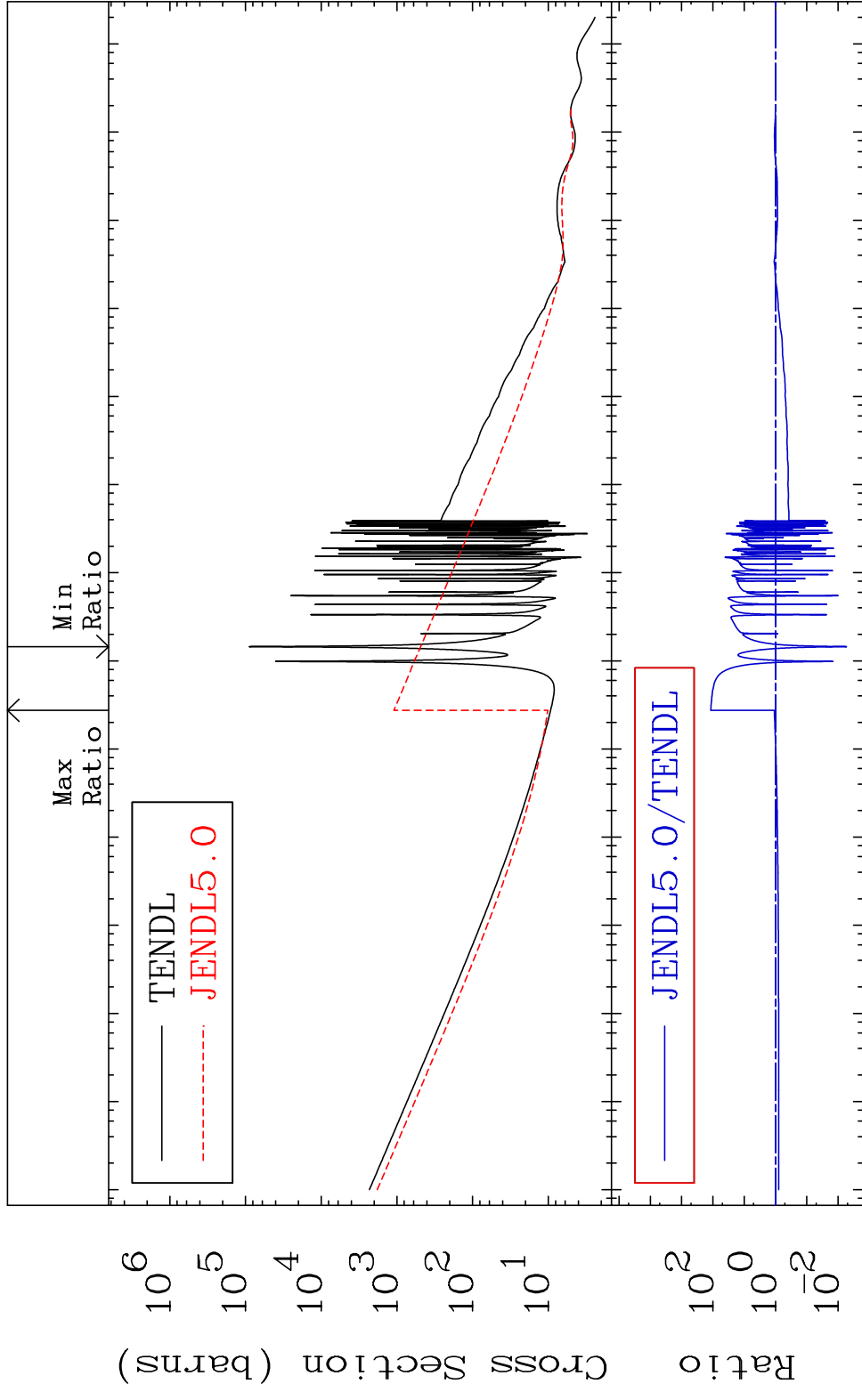
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6619

Total Cross Section -99.46 To 9999. %

66-Dy-154



1

Incident Energy (eV)

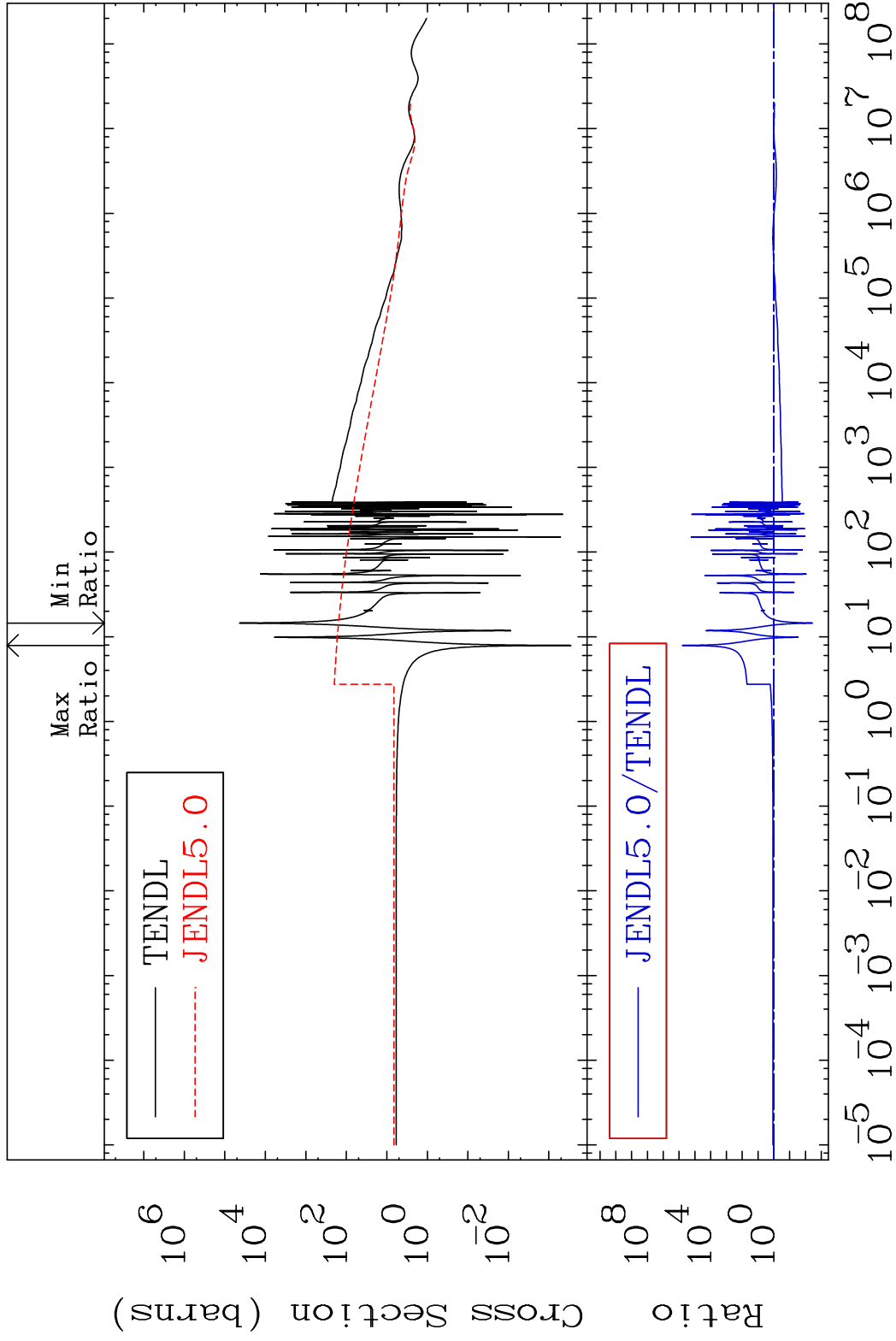
66-Dy-154

MAT 6619

Elastic

66-Dy-154

Cross Section -99.64 To 9999. %



2

Incident Energy (eV)

66-Dy-154

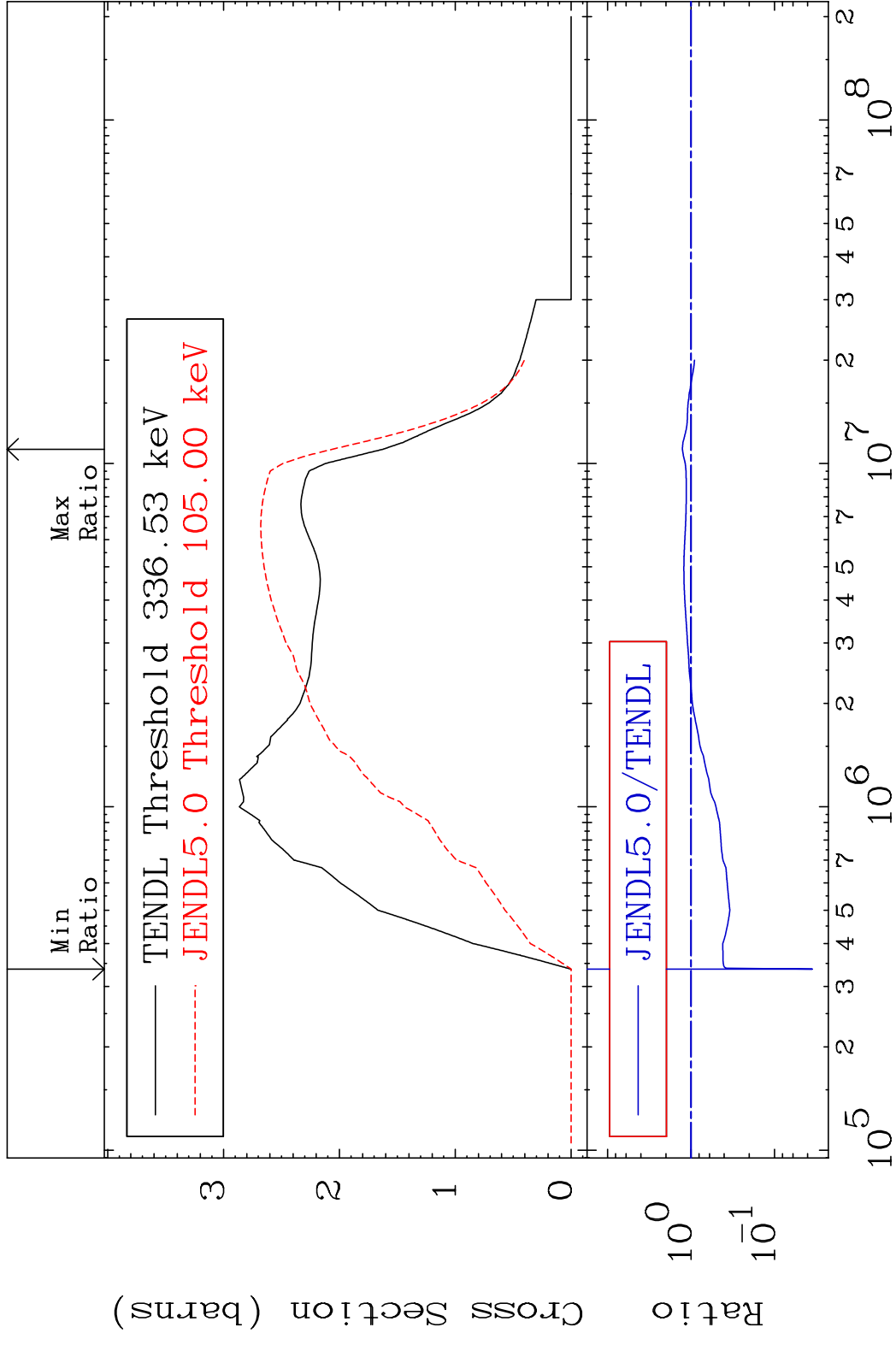
MAT 6619

Inelastic

66-Dy-154

Cross Section

-96.51 To 26.95 %



3

Incident Energy (eV)

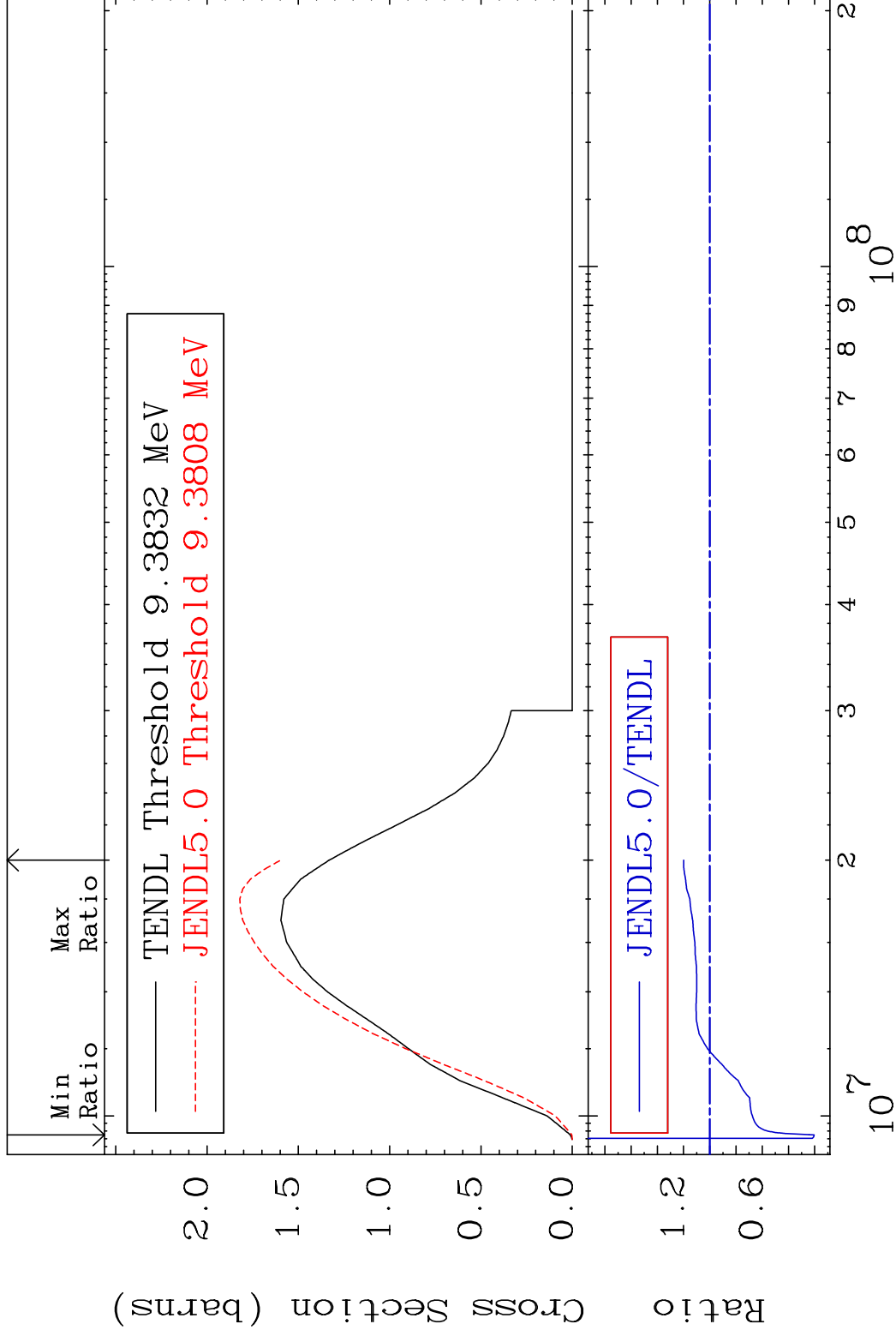
66-Dy-154

MAT 6619

(n,2n)

66-Dy-154

Cross Section -79.54 To 19.94 %



4

Incident Energy (eV)

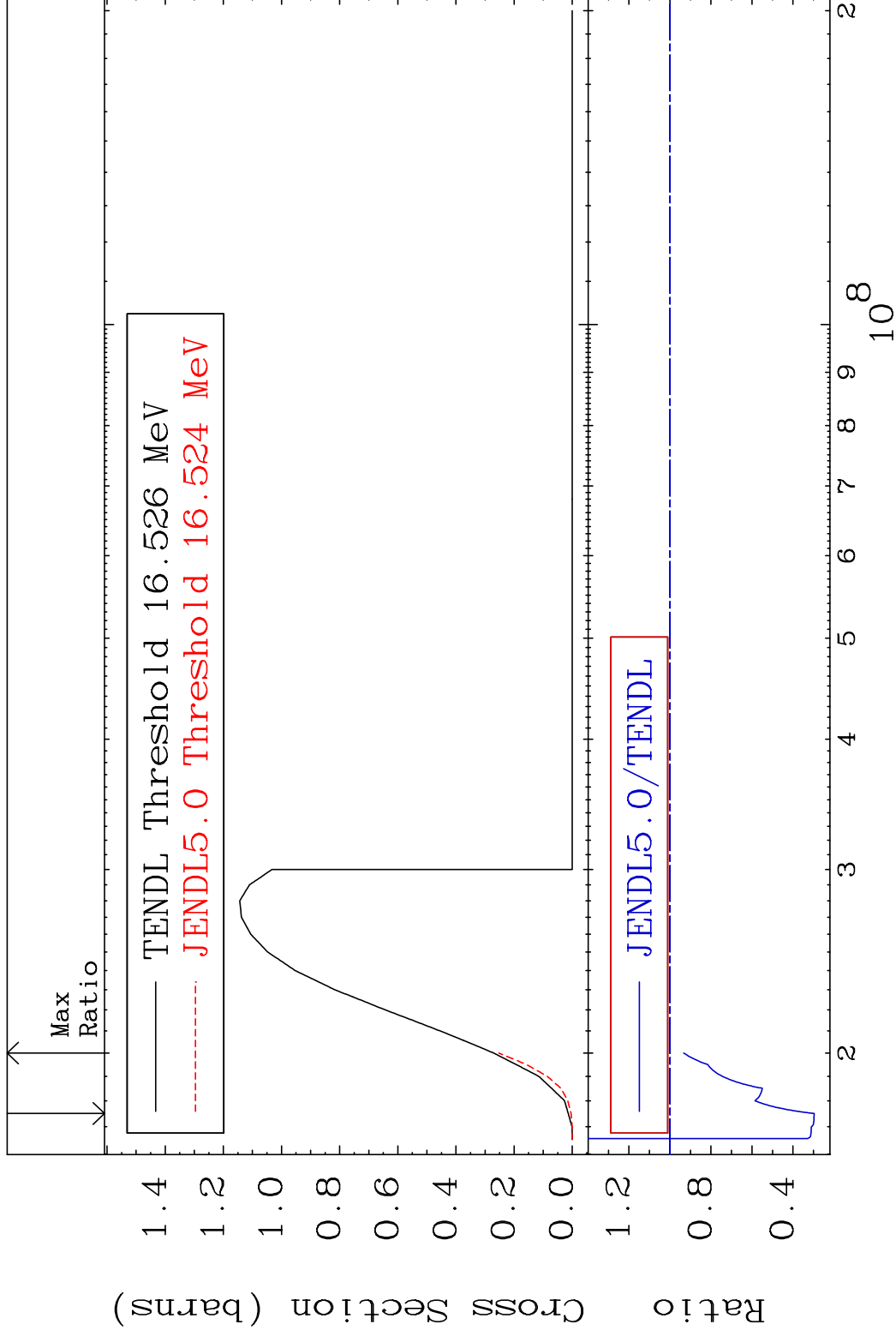
66-Dy-154

MAT 6619

(n,3n)

66-Dy-154

Cross Section -70.31 To -6.678%



5

Incident Energy (eV)

66-Dy-154

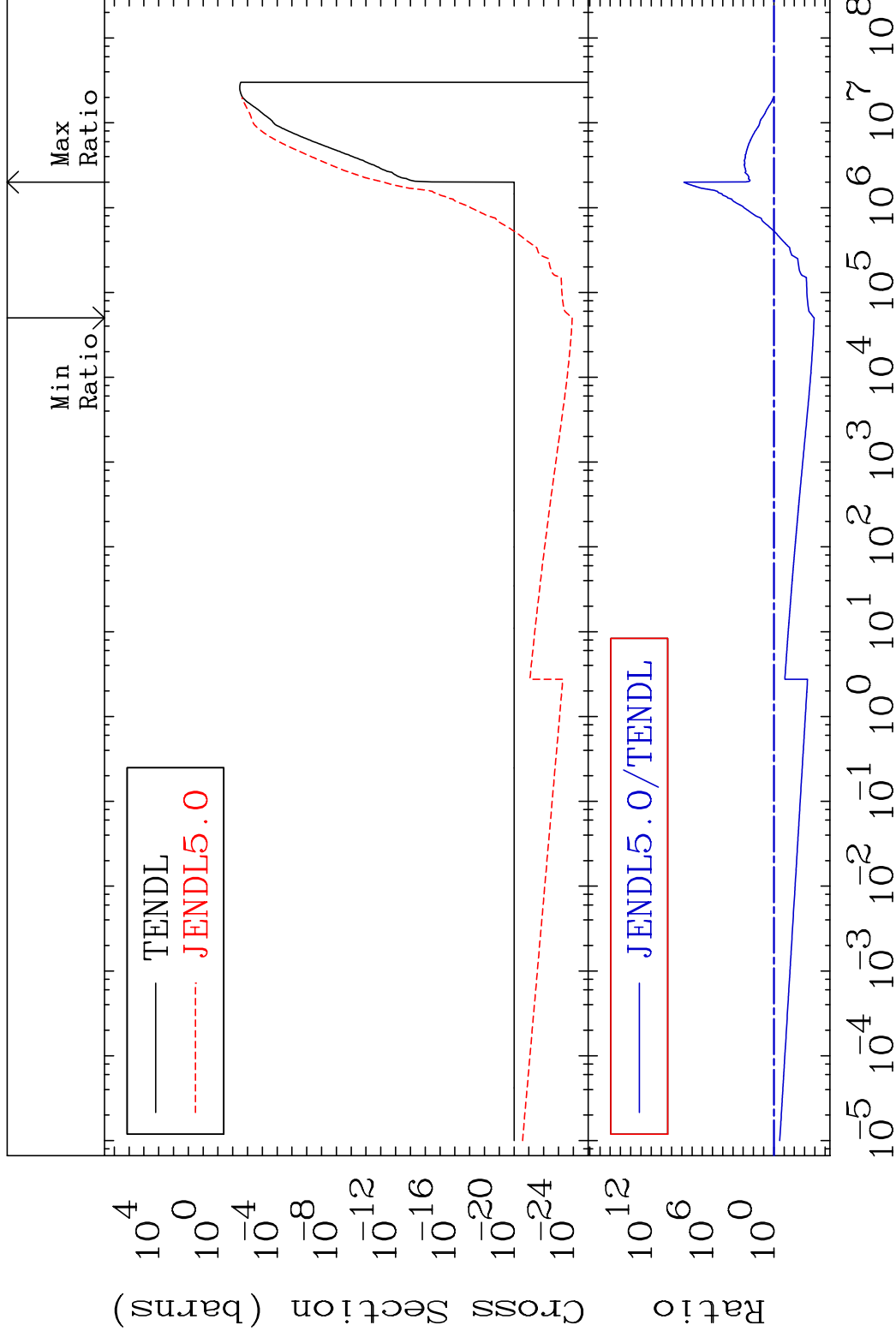
MAT 6619

(n, n')  $\alpha$

66-Dy-154

Cross Section

-99.99 To 9999. %



6

Incident Energy (eV)

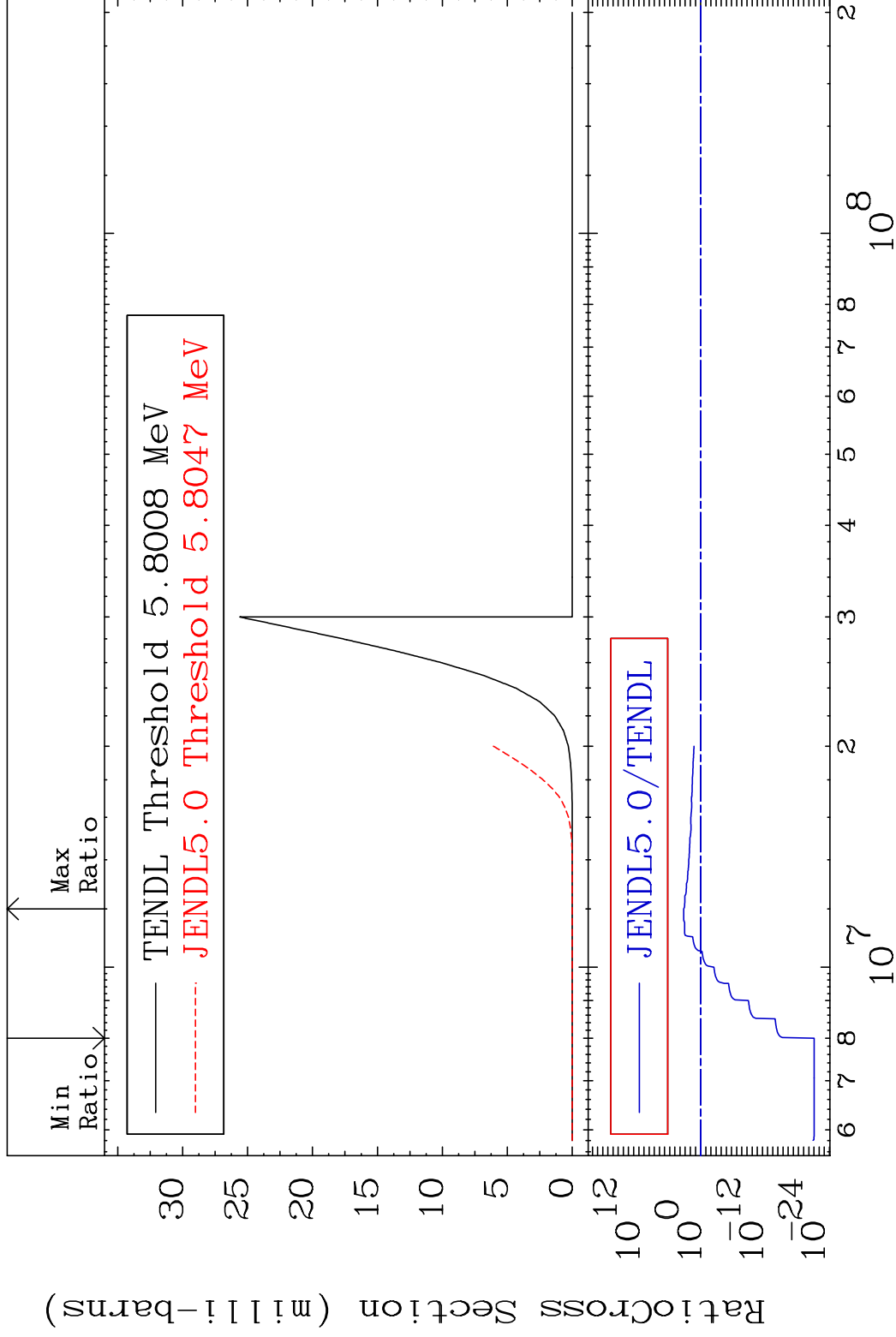
66-Dy-154

MAT 6619

(n,2n)  $\alpha$

66-Dy-154

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

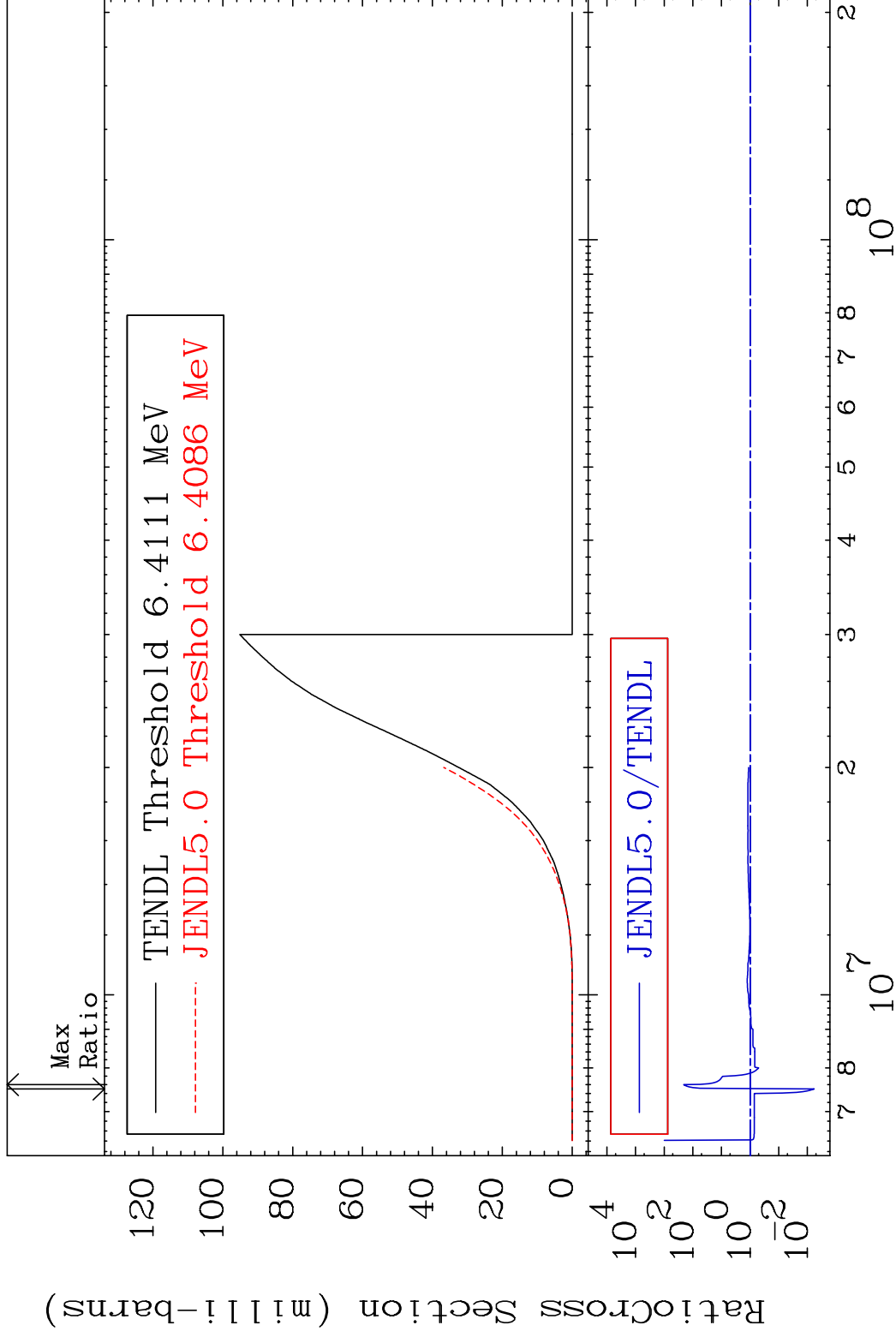
66-Dy-154

MAT 6619

(n, n') p

66-Dy-154

Cross Section -99.42 To 9999. %



8

Incident Energy (eV)

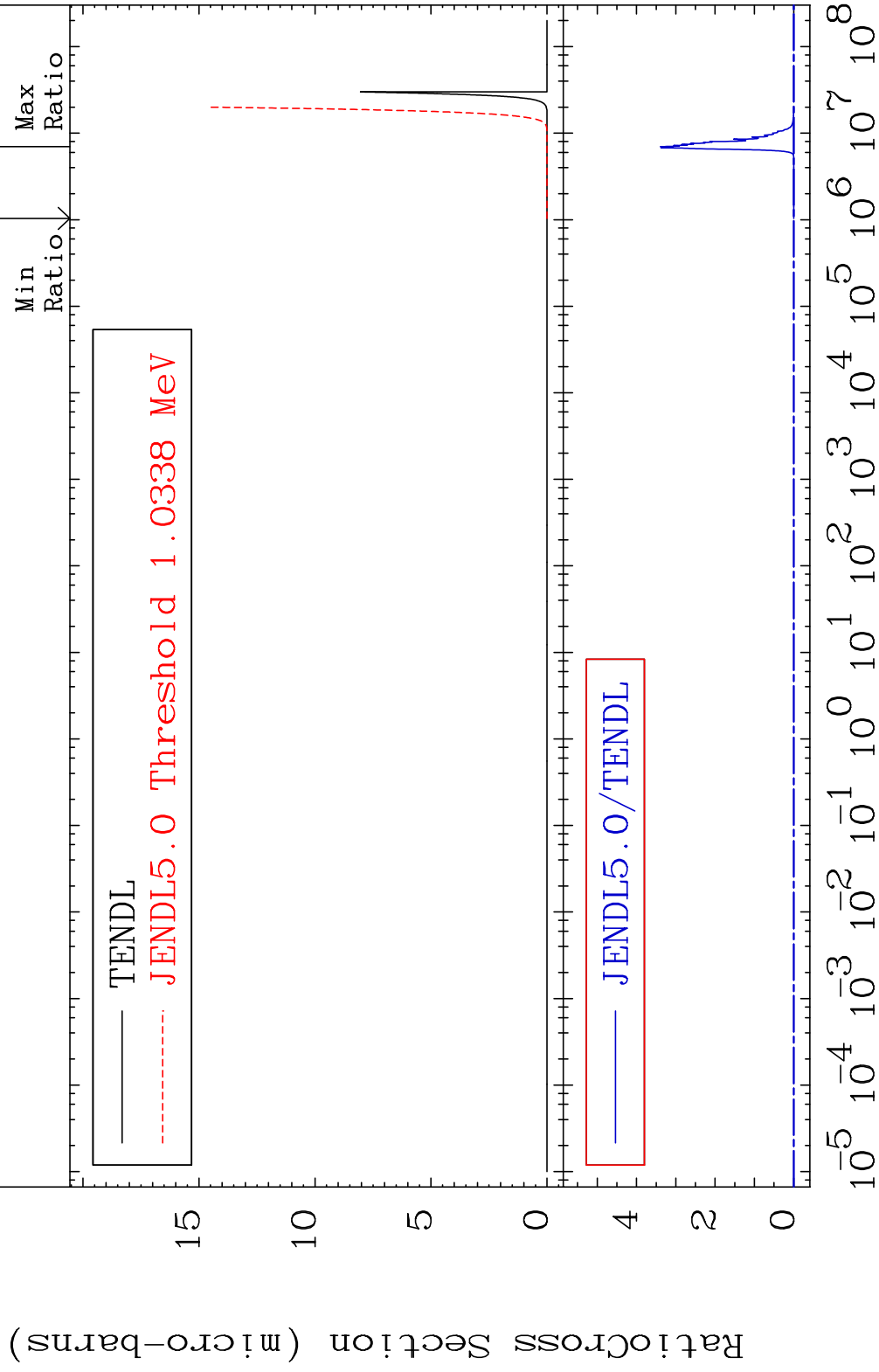
66-Dy-154

MAT 6619

(n, n') 2α

66-Dy-154

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

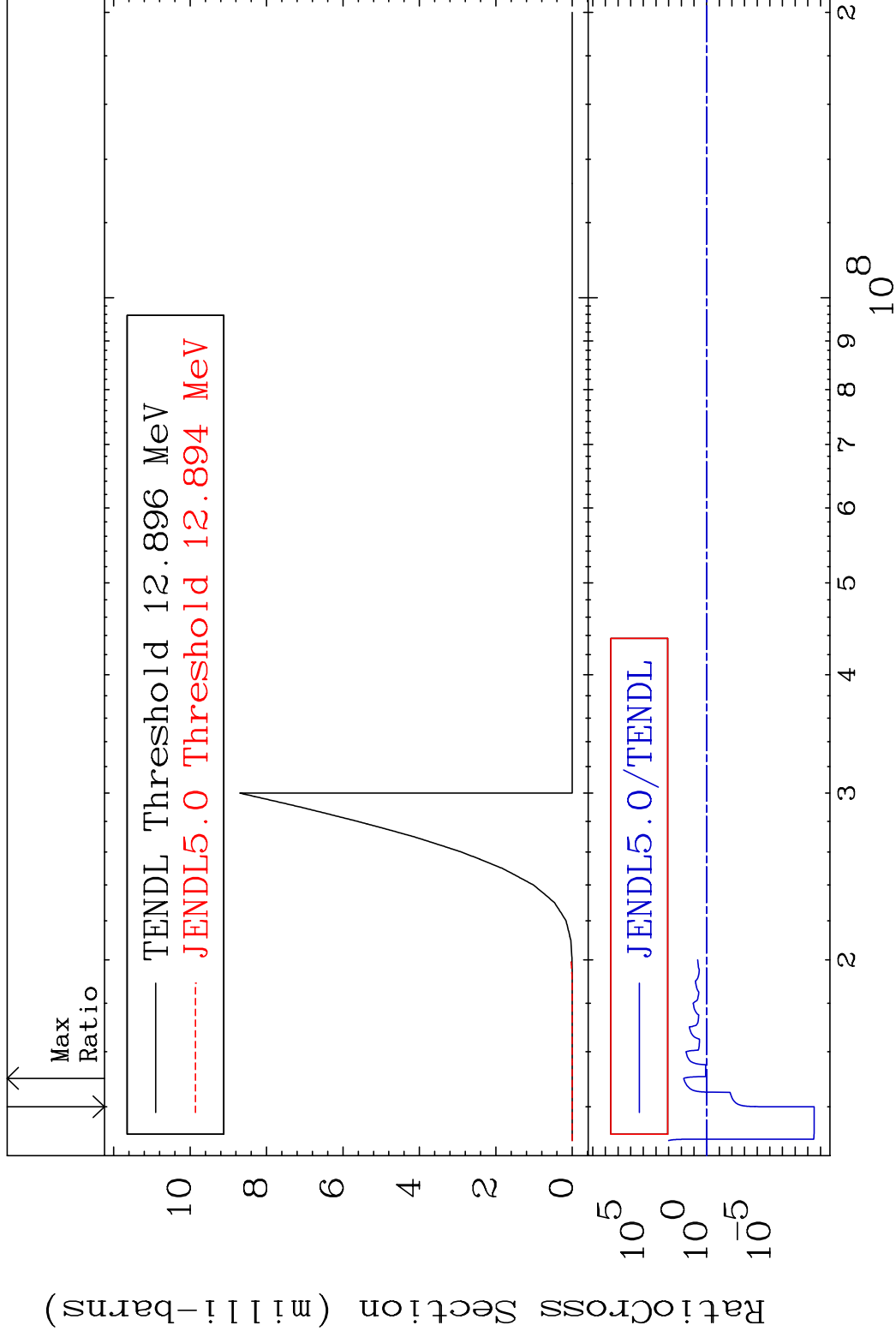
66-Dy-154

MAT 6619

(n, n') d

66-Dy-154

Cross Section -100.0 To 6418. %



10

Incident Energy (eV)

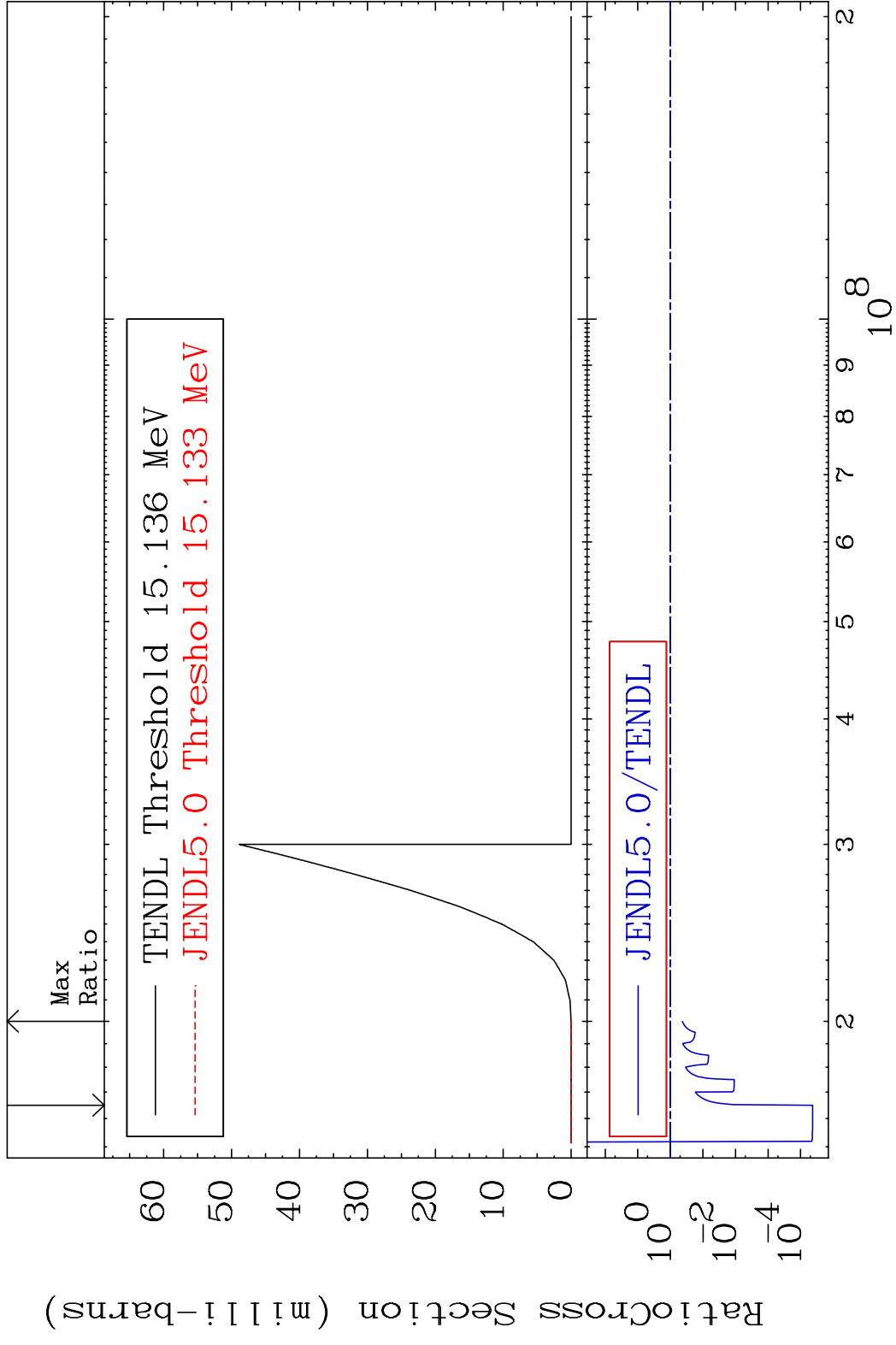
66-Dy-154

MAT 6619

(n,2n) p

66-Dy-154

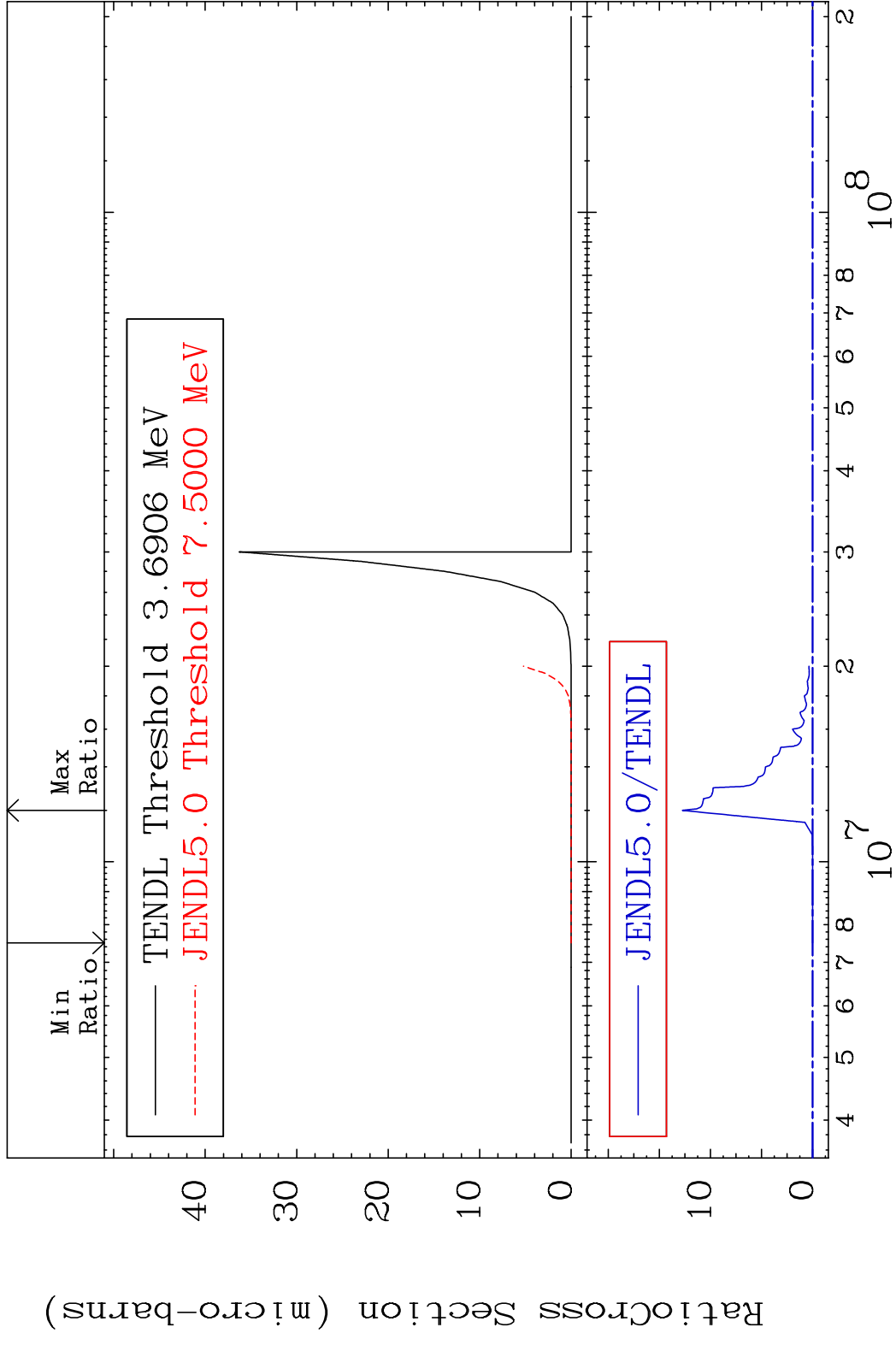
Cross Section -100.0 To -57.18%



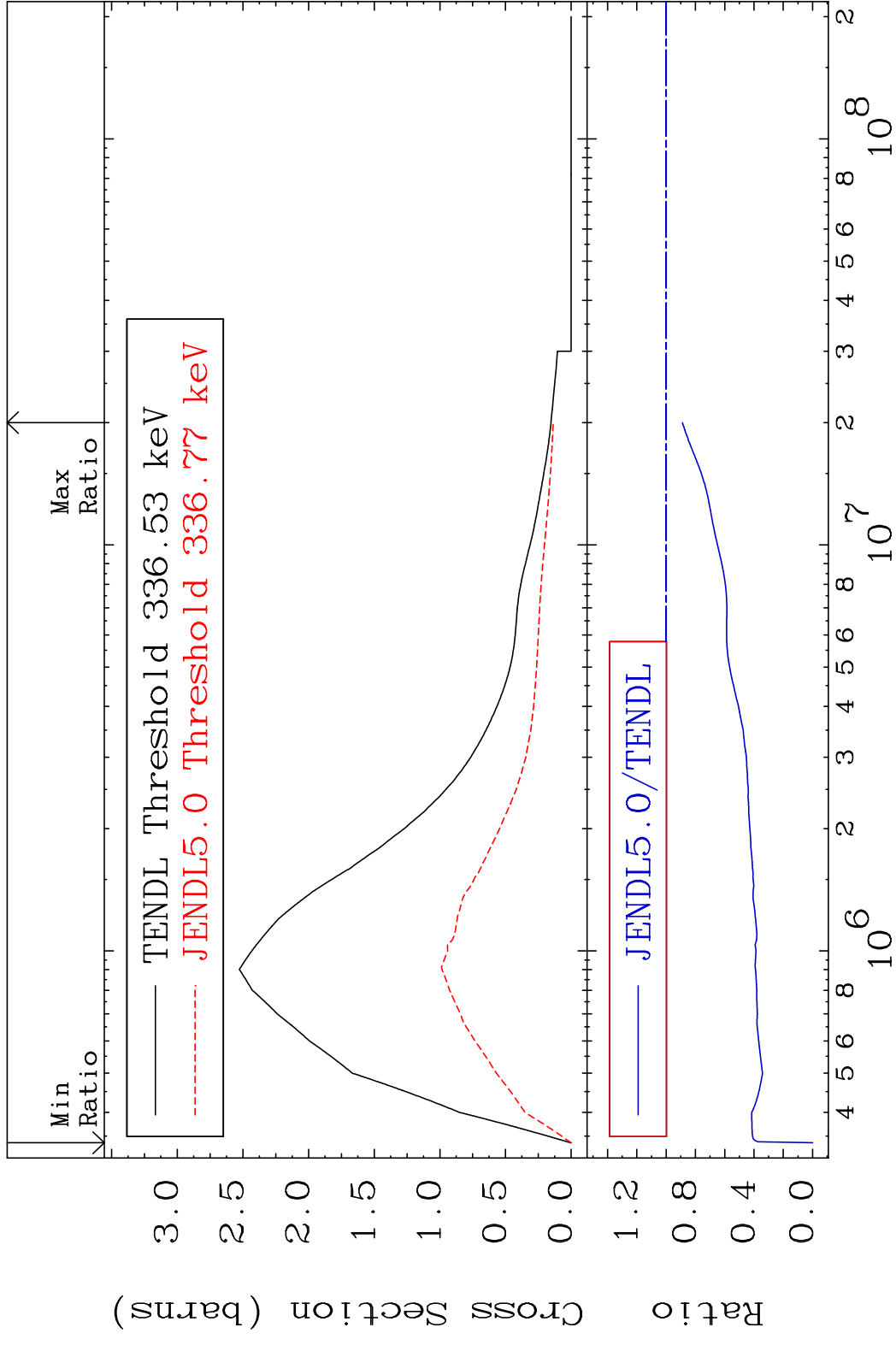
MAT 6619

(n,n') p  $\alpha$  66-Dy-154

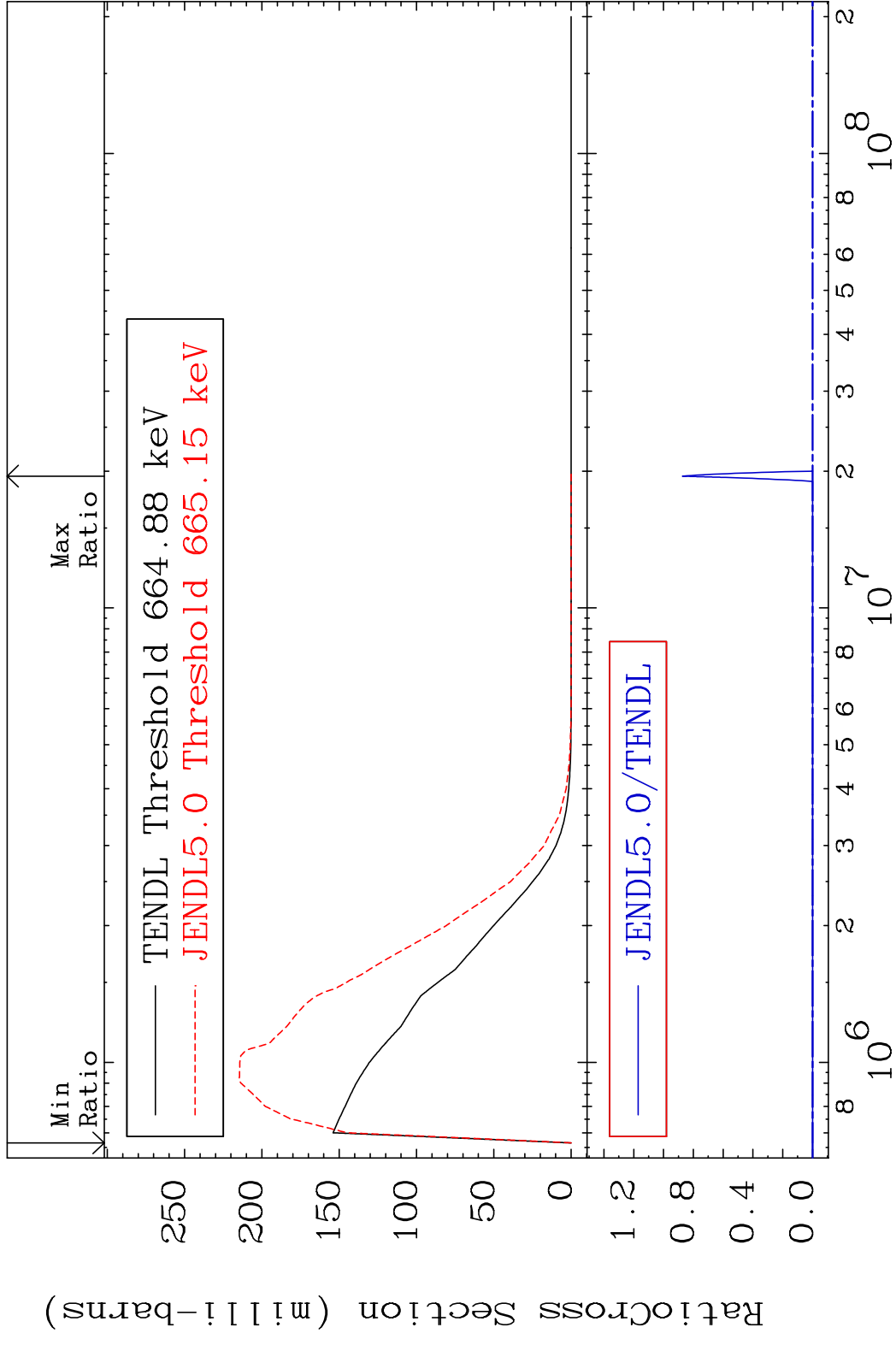
Cross Section -100.0 To 9999. %



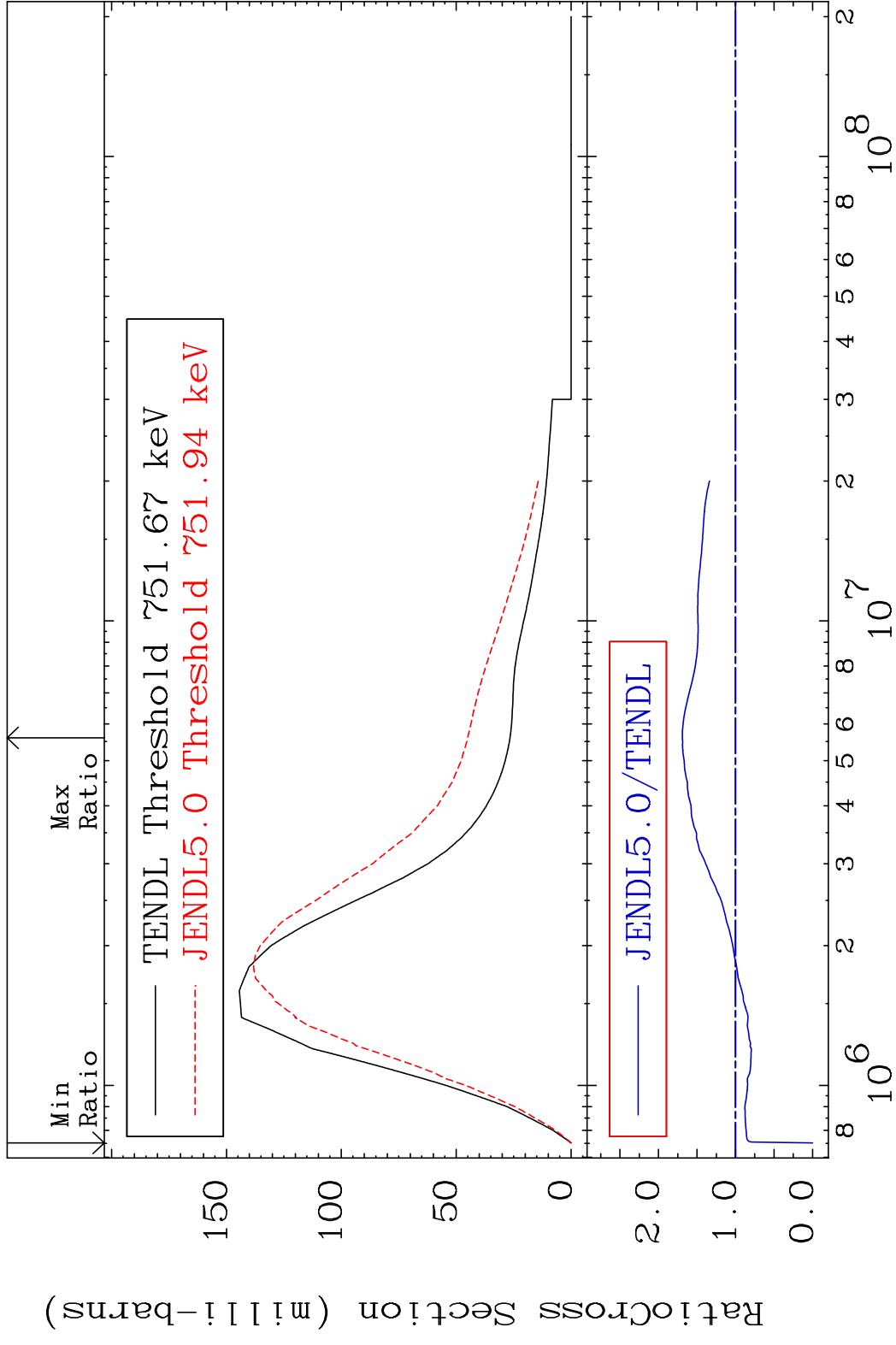
MAT 6619 MT= 51 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To -11.06%



MAT 6619 MT= 52 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 9999. %

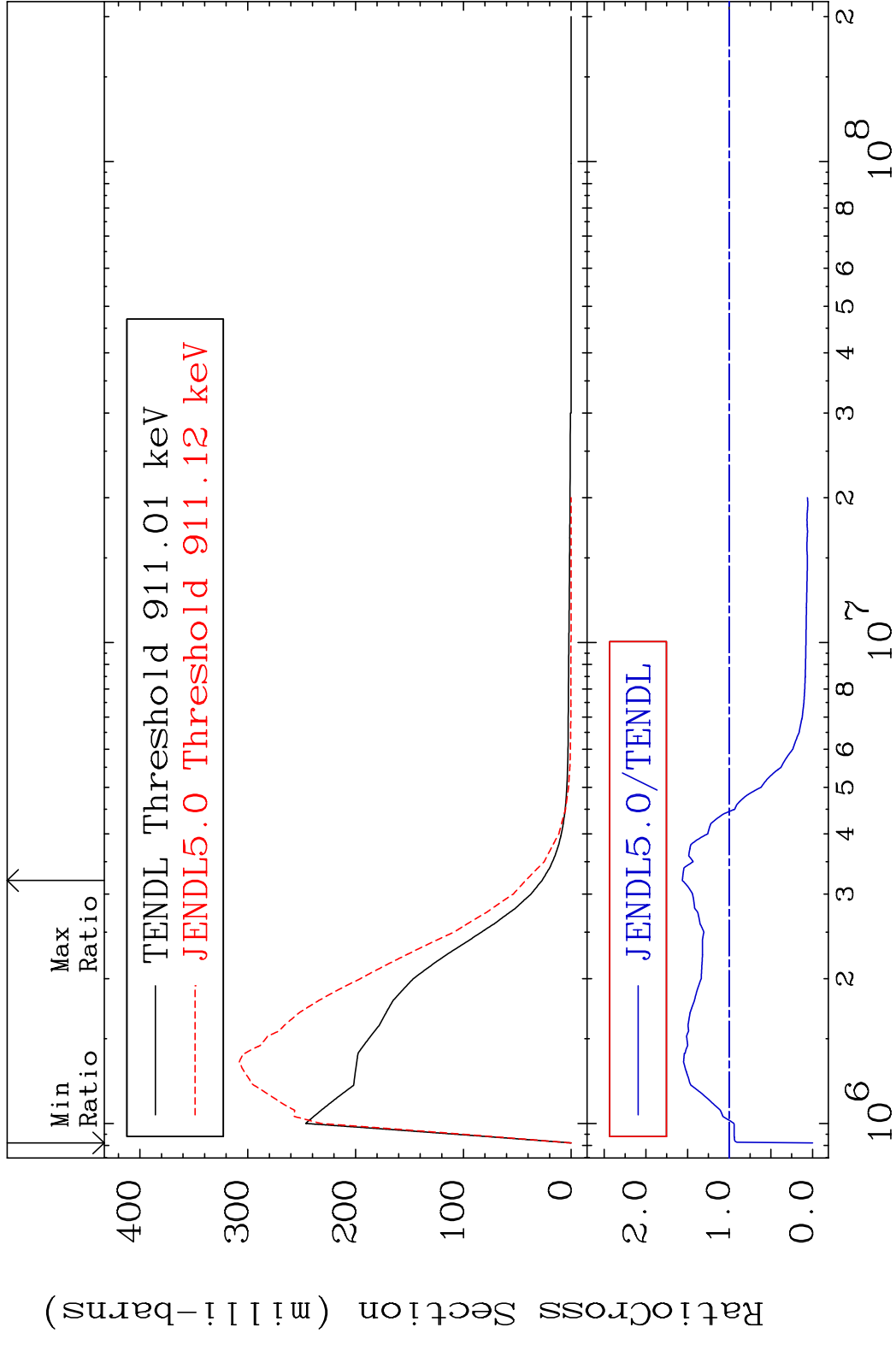


MAT 6619 MT= 53 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 69.02 %



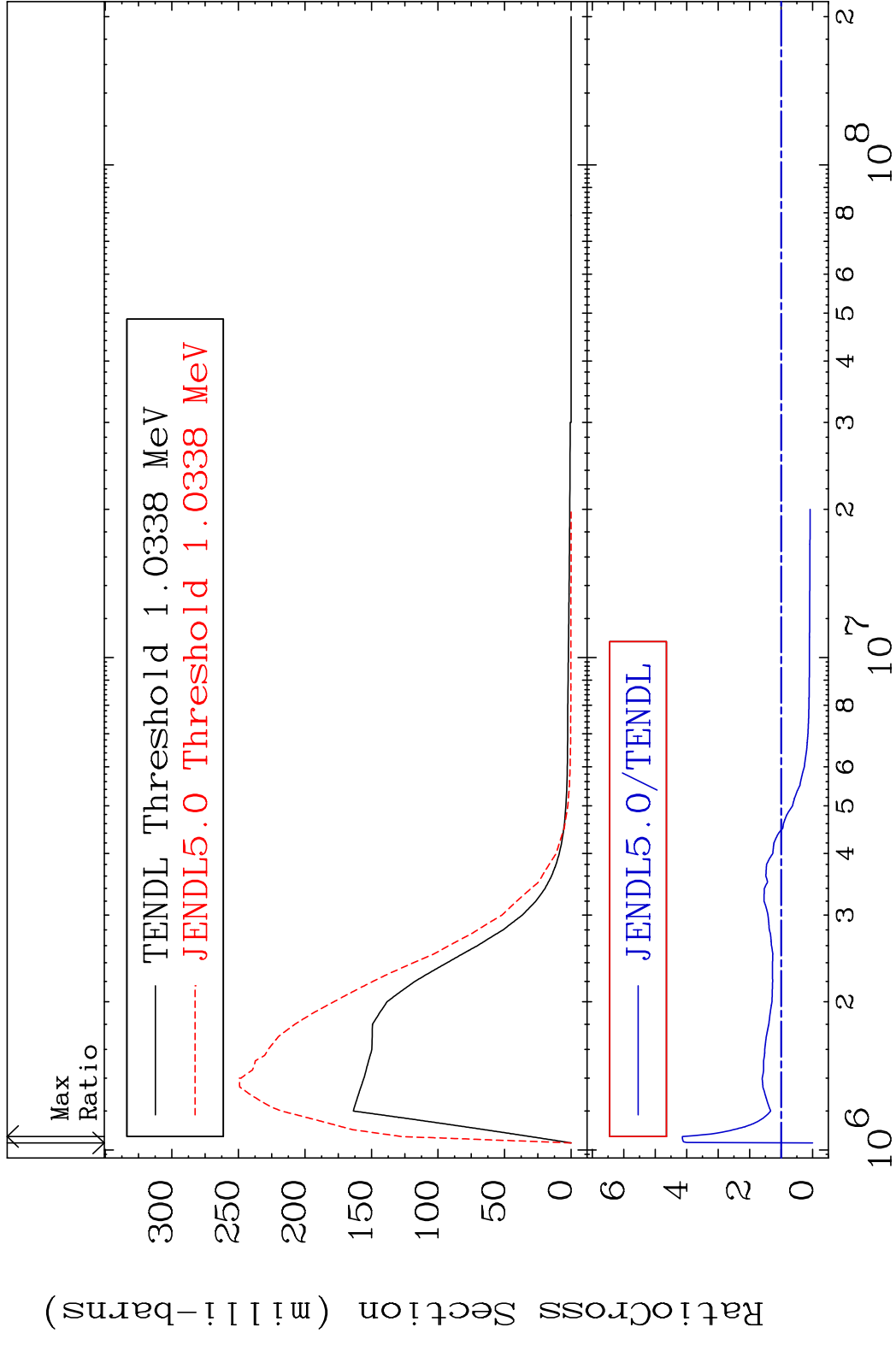
15 Incident Energy (eV) 66-Dy-154

MAT 6619 MT= 54 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 56.22 %

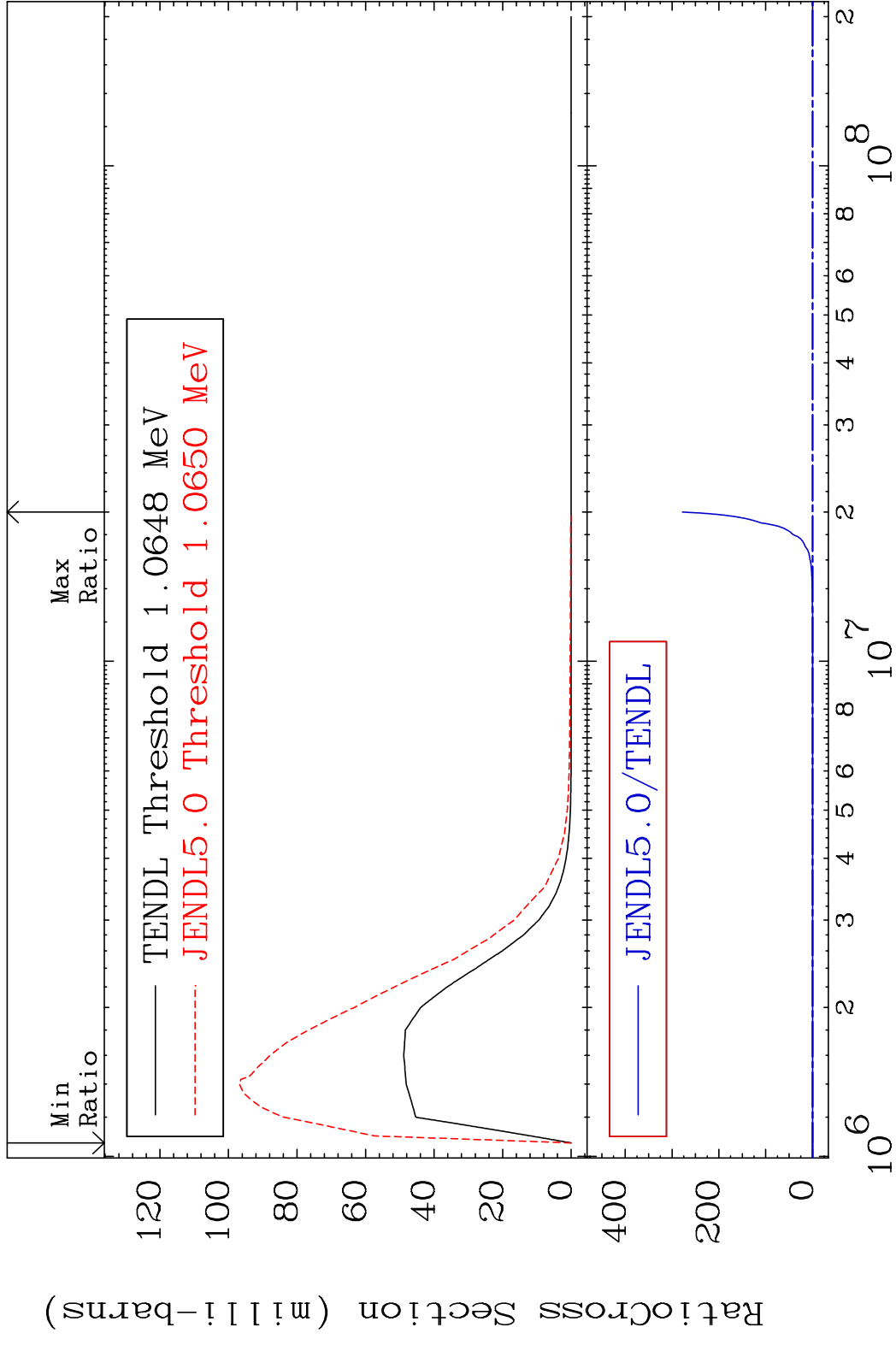


16 Incident Energy (eV) 66-Dy-154

MAT 6619 MT= 55 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 313.7 %

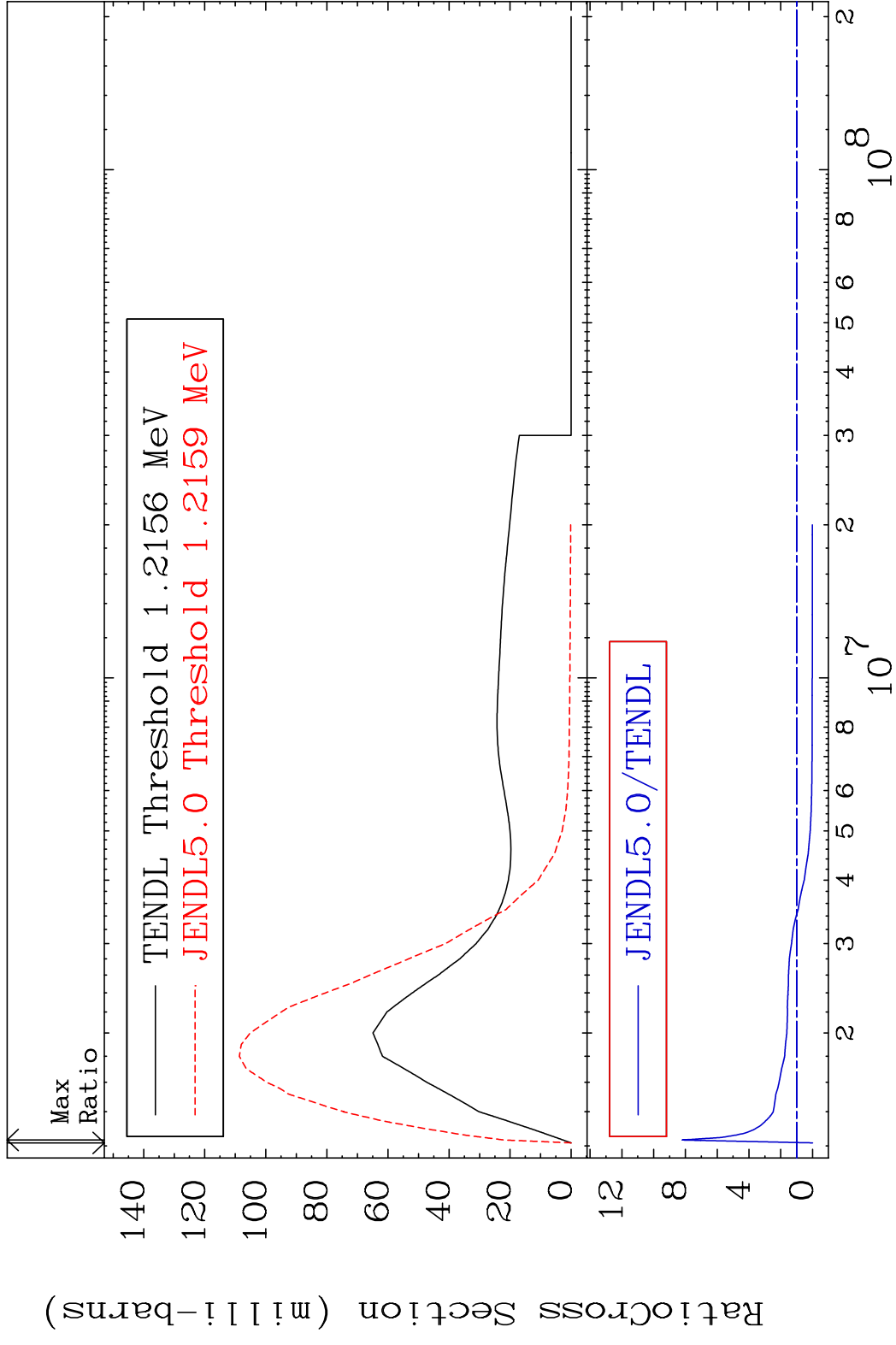


MAT 6619 MT= 56 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 9999. %

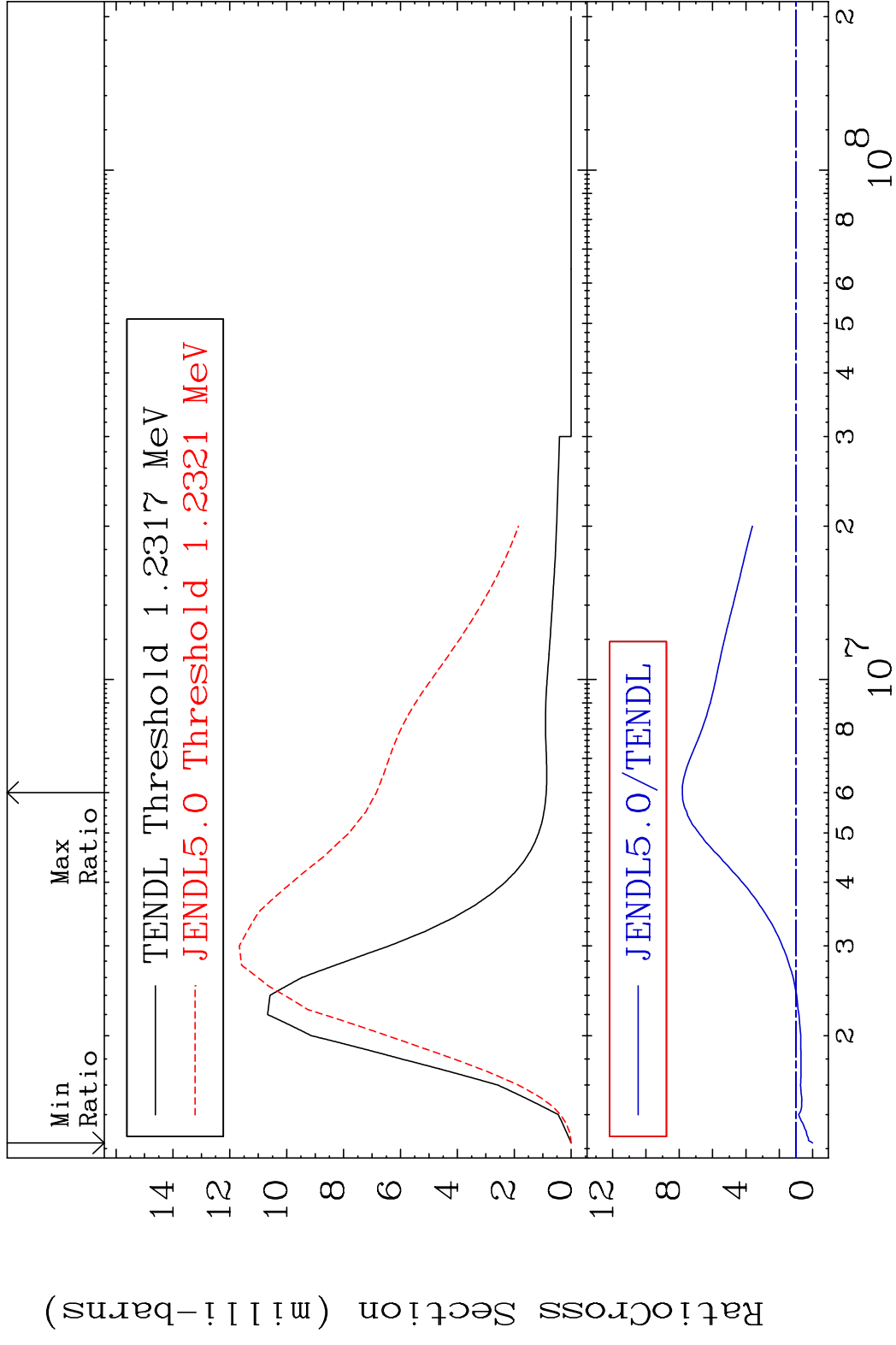


18 Incident Energy (eV) 66-Dy-154

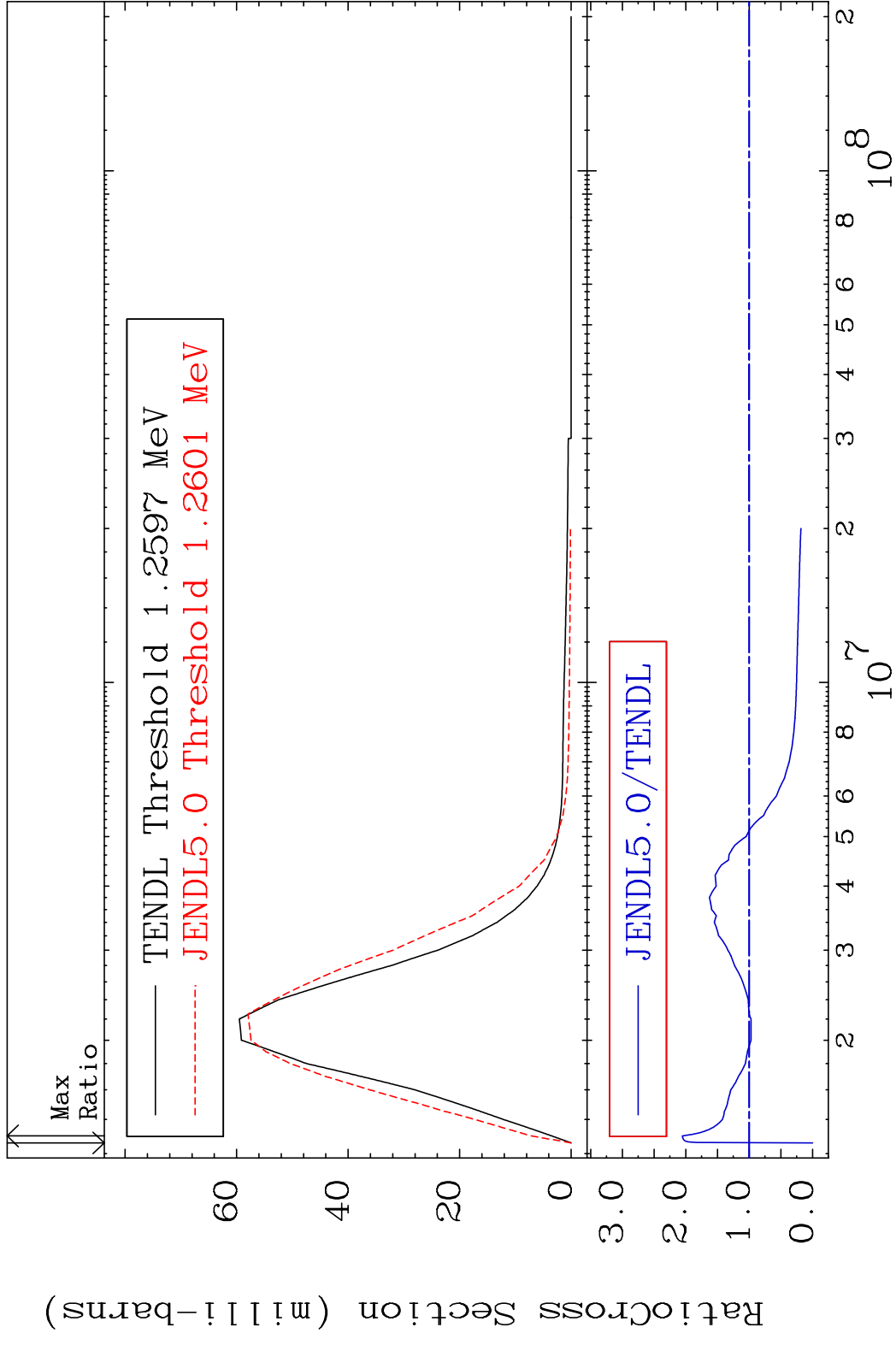
MAT 6619      MT= 57 (n,n') Level      66-Dy-154  
 Cross Section    -100.0 To 719.4 %



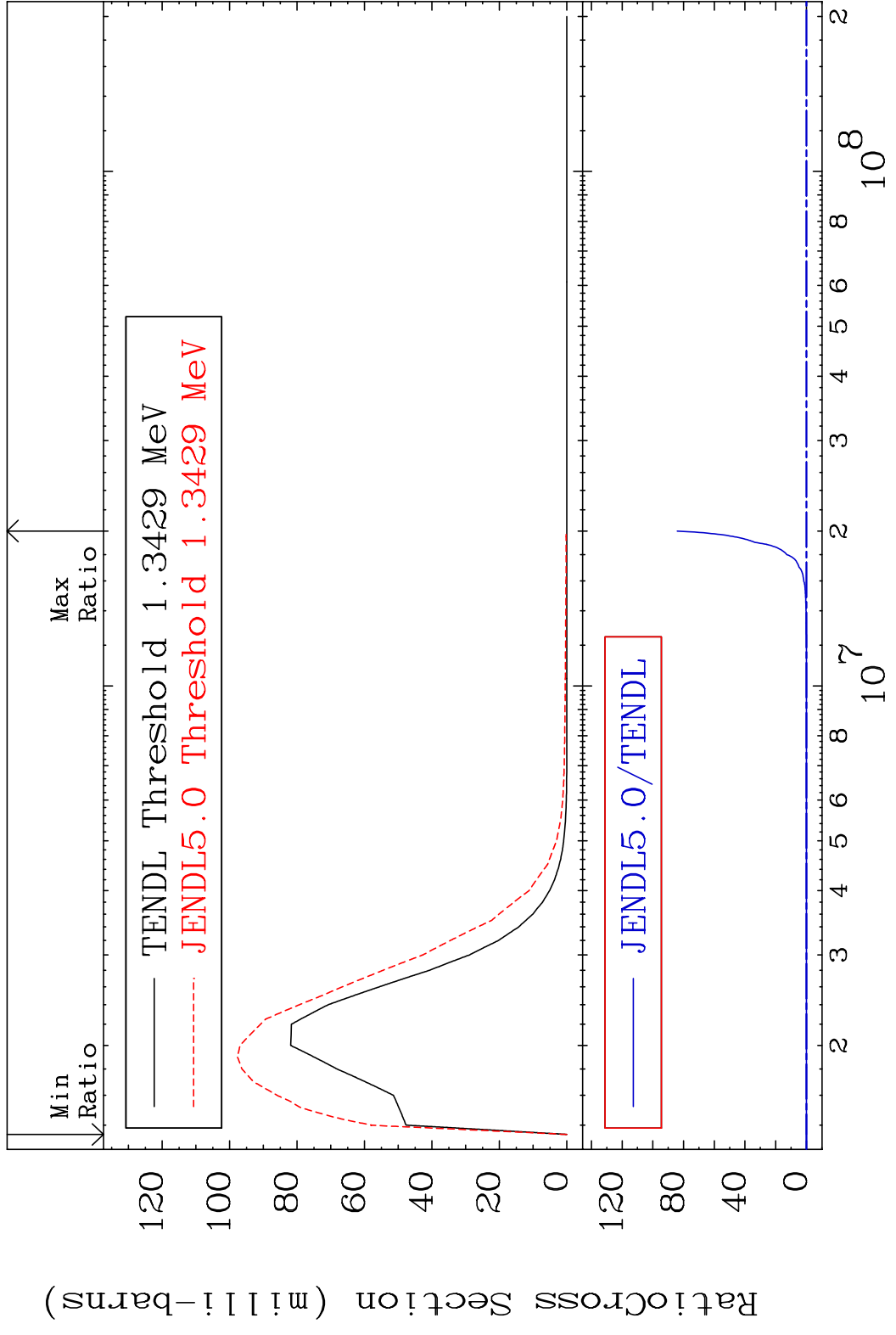
MAT 6619 MT= 58 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 681.5 %



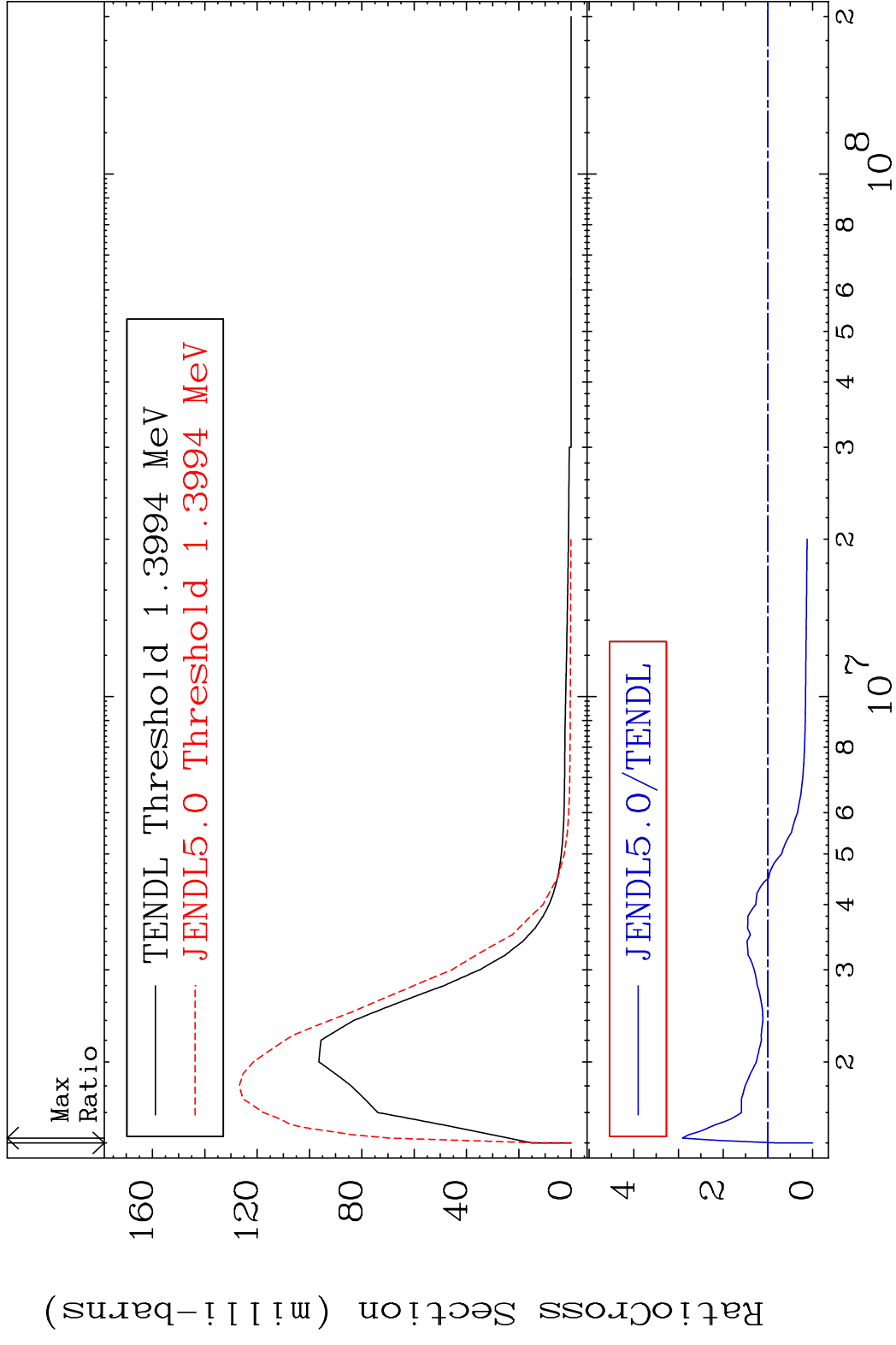
MAT 6619 MT= 59 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 105.4 %



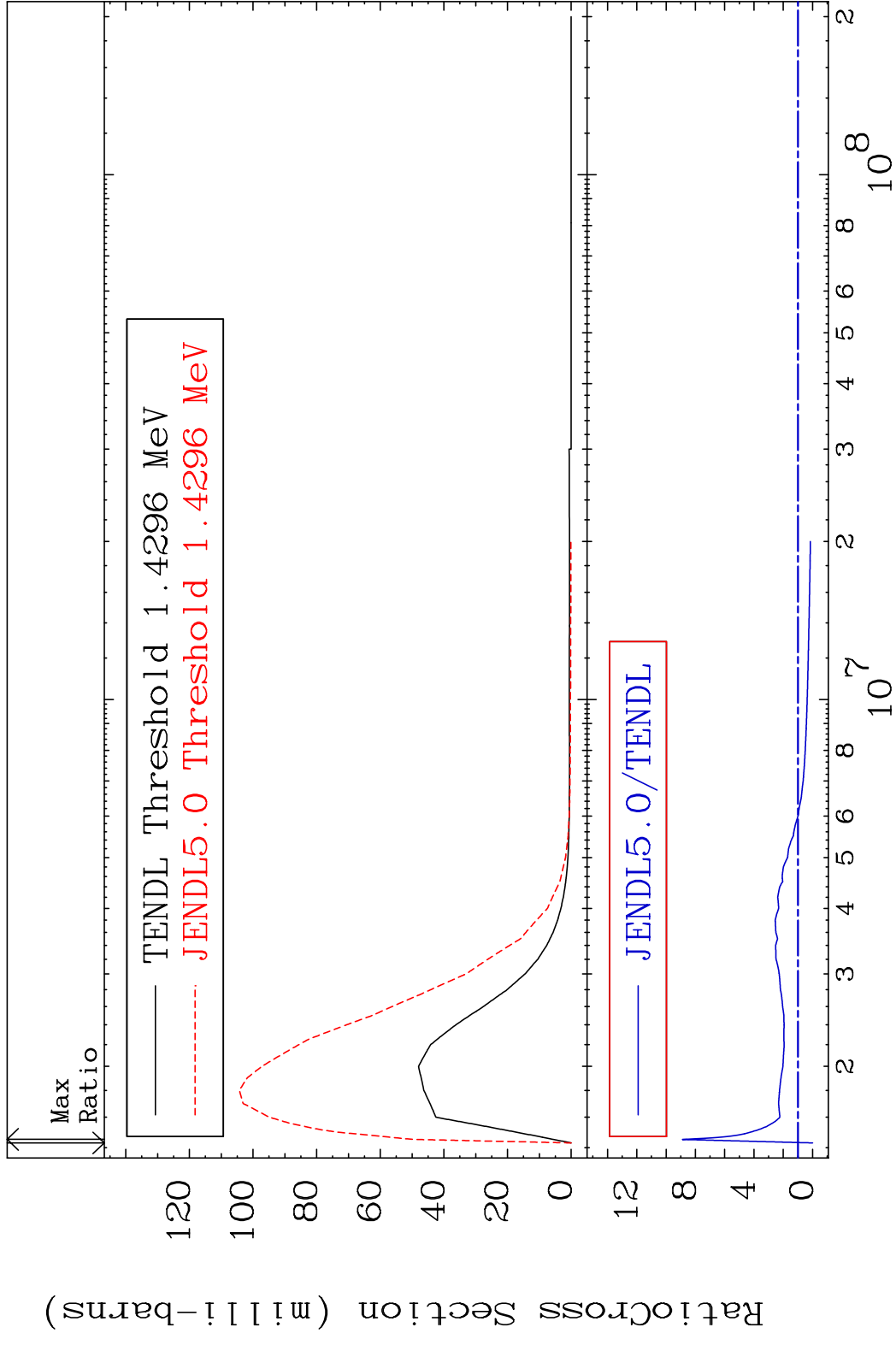
MAT 6619 MT= 60 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 9999. %



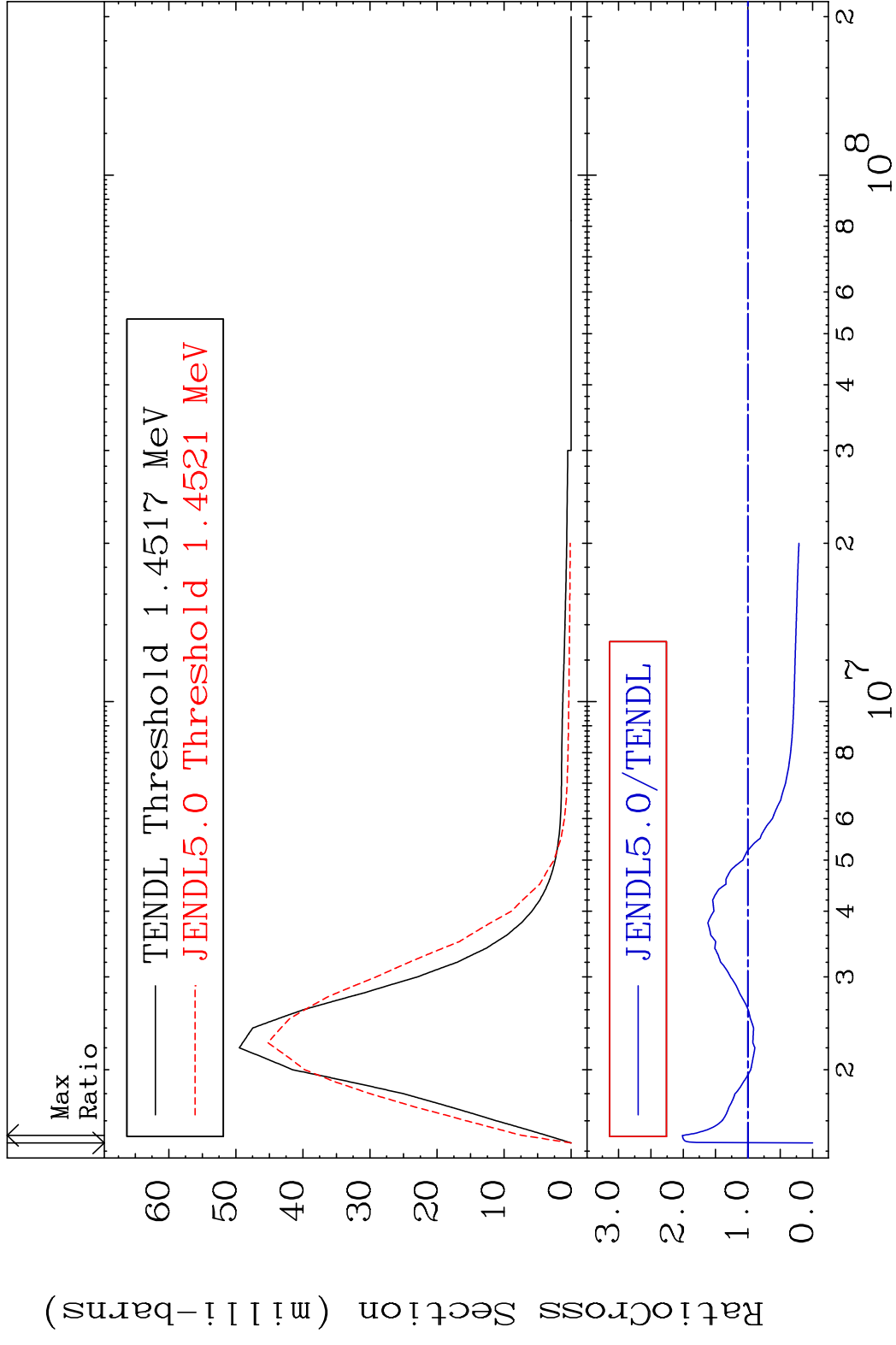
MAT 6619      MT= 61 (n, n') Level      66-Dy-154  
 Cross Section    -100.0 To 191.2 %



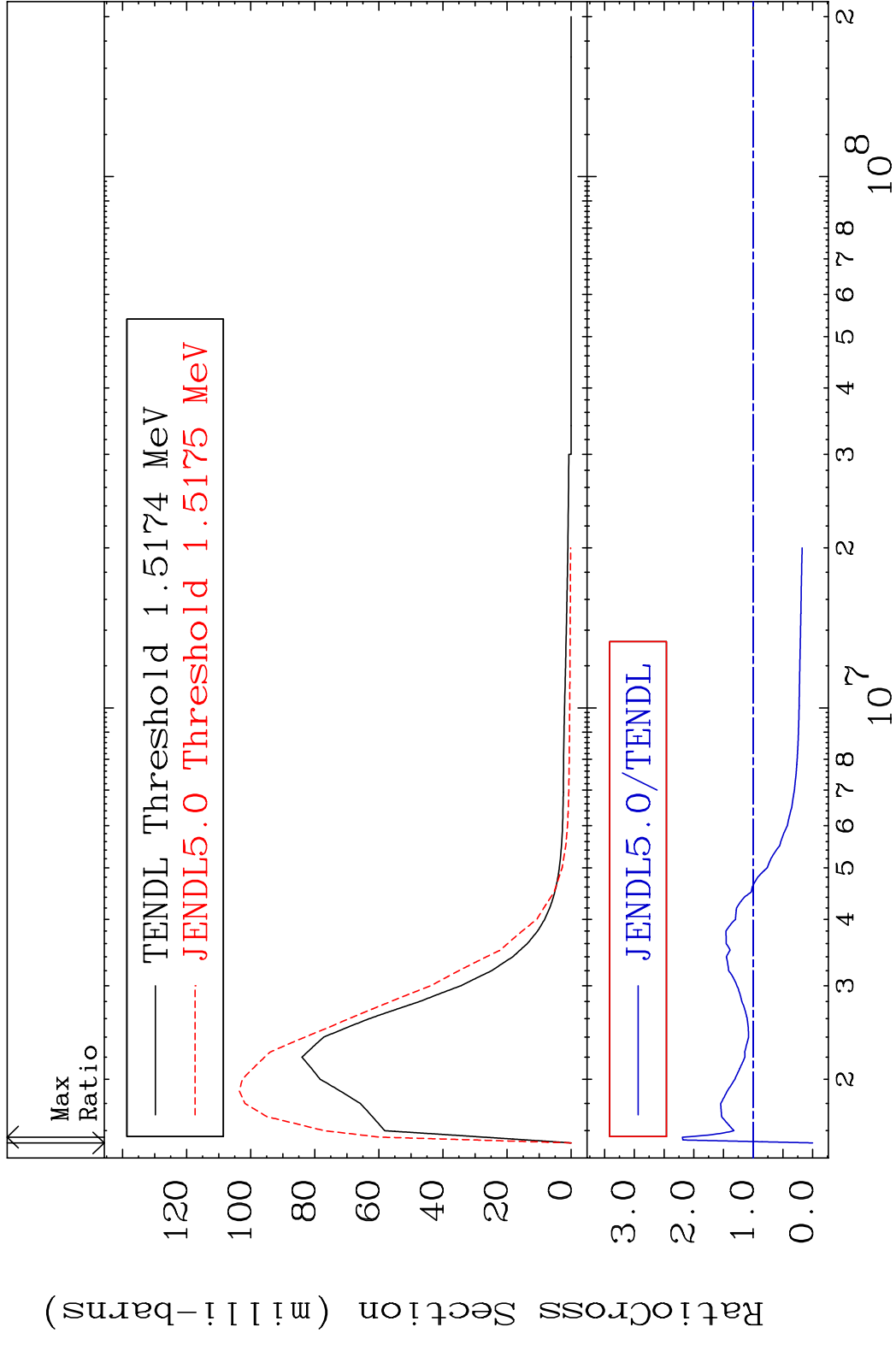
MAT 6619      MT= 62 (n, n') Level      66-Dy-154  
 Cross Section    -100.0 To 789.0 %



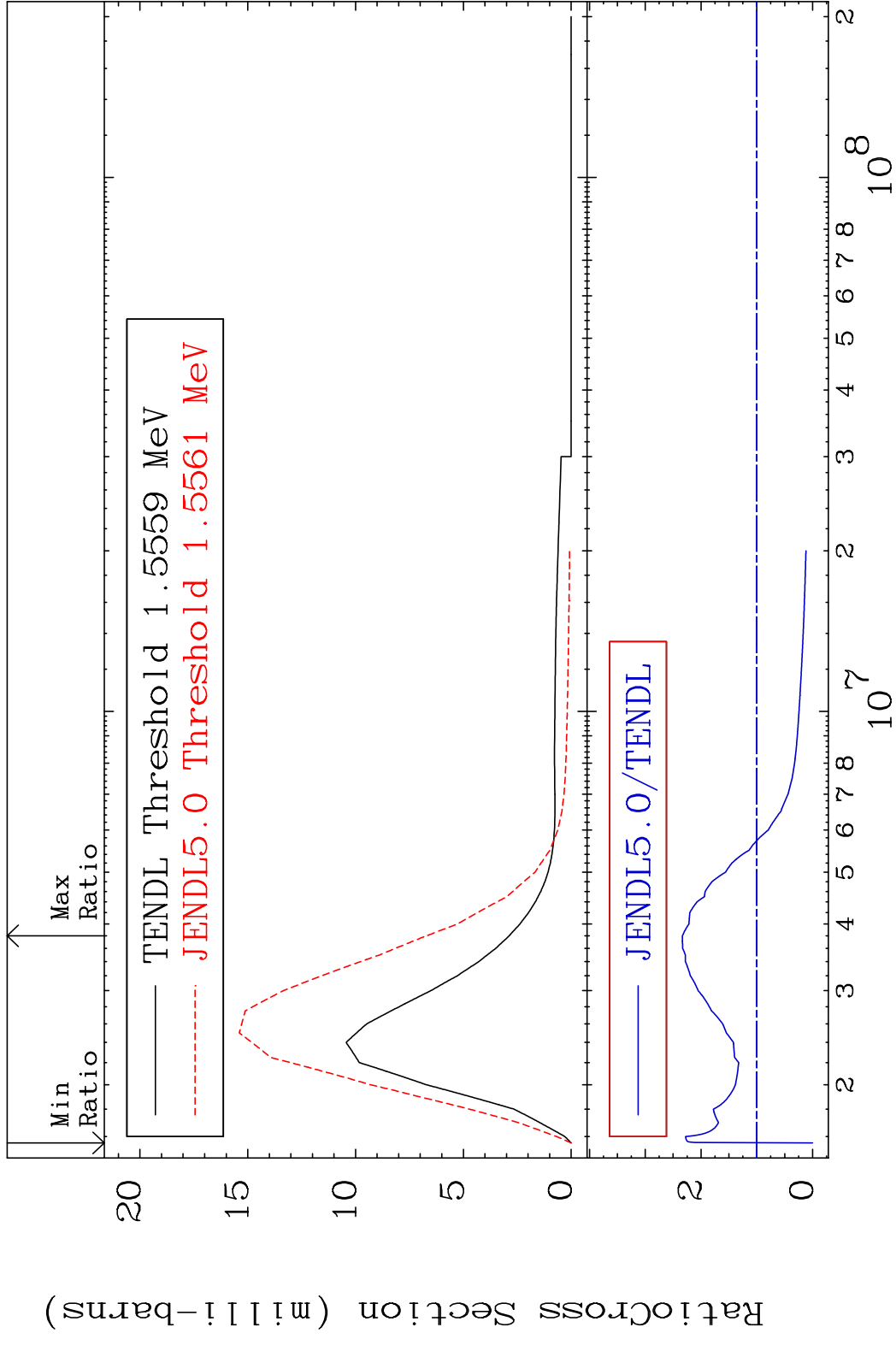
MAT 6619 MT= 63 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 101.3 %



MAT 6619 MT= 64 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 119.2 %



MAT 6619 MT= 65 (n, n') Level 66-Dy-154  
 Cross Section -100.0 To 133.5 %

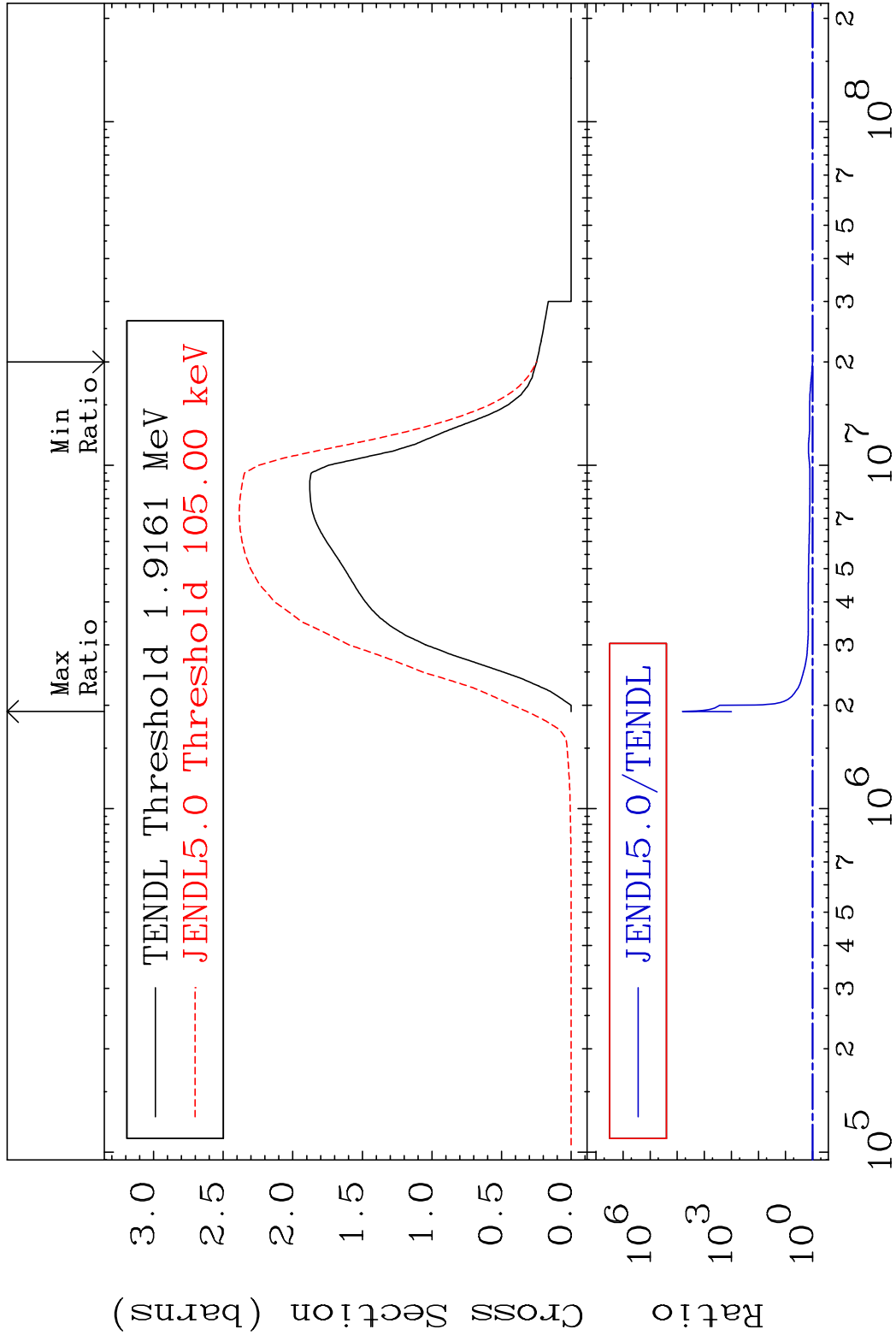


MAT 6619

(n, n') Continuum

66-Dy-154

Cross Section 0.517 To 9999. %



28

Incident Energy (eV)

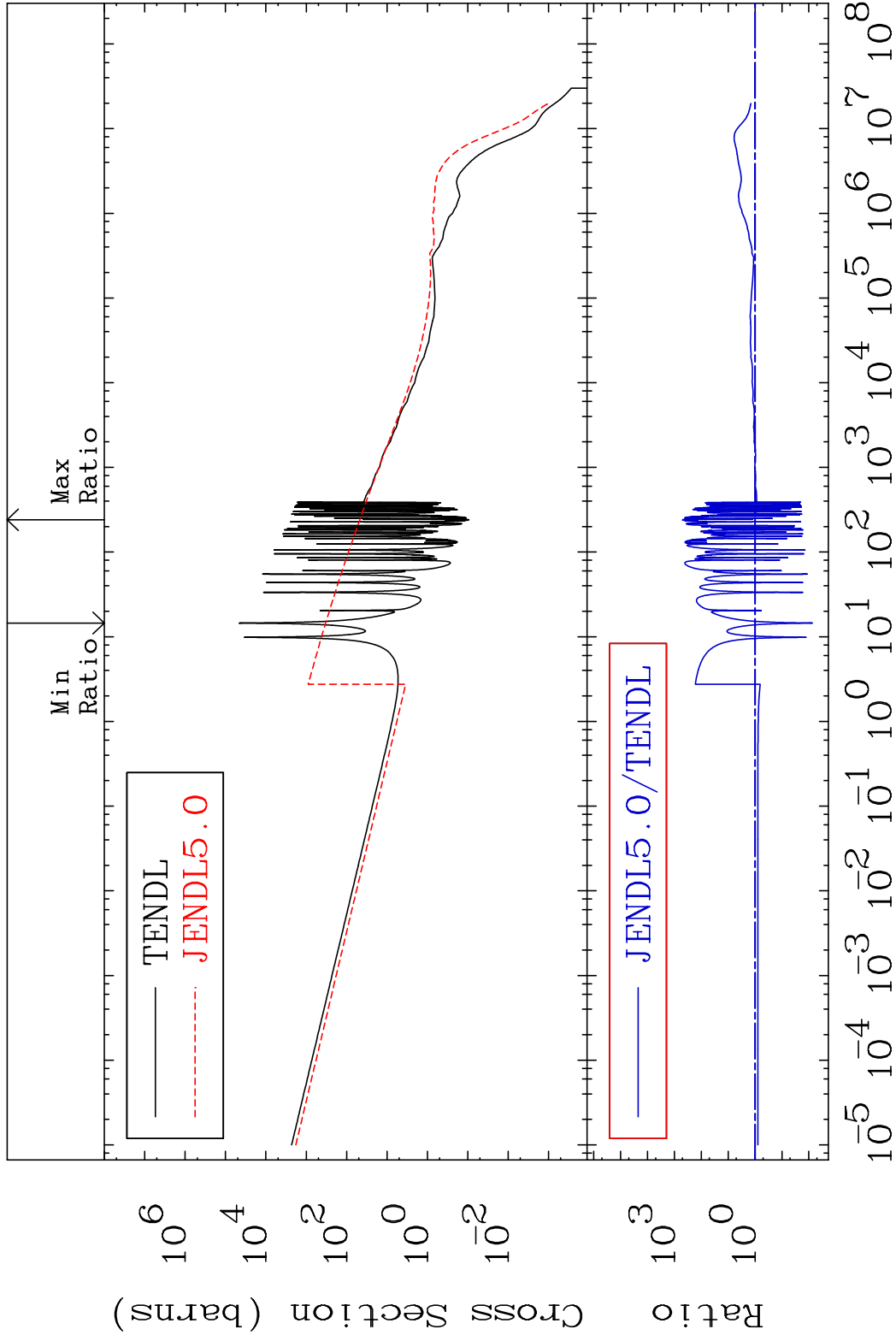
66-Dy-154

MAT 6619

(n,  $\gamma$ )

66-Dy-154

Cross Section -99.27 To 9999. %



29

Incident Energy (eV)

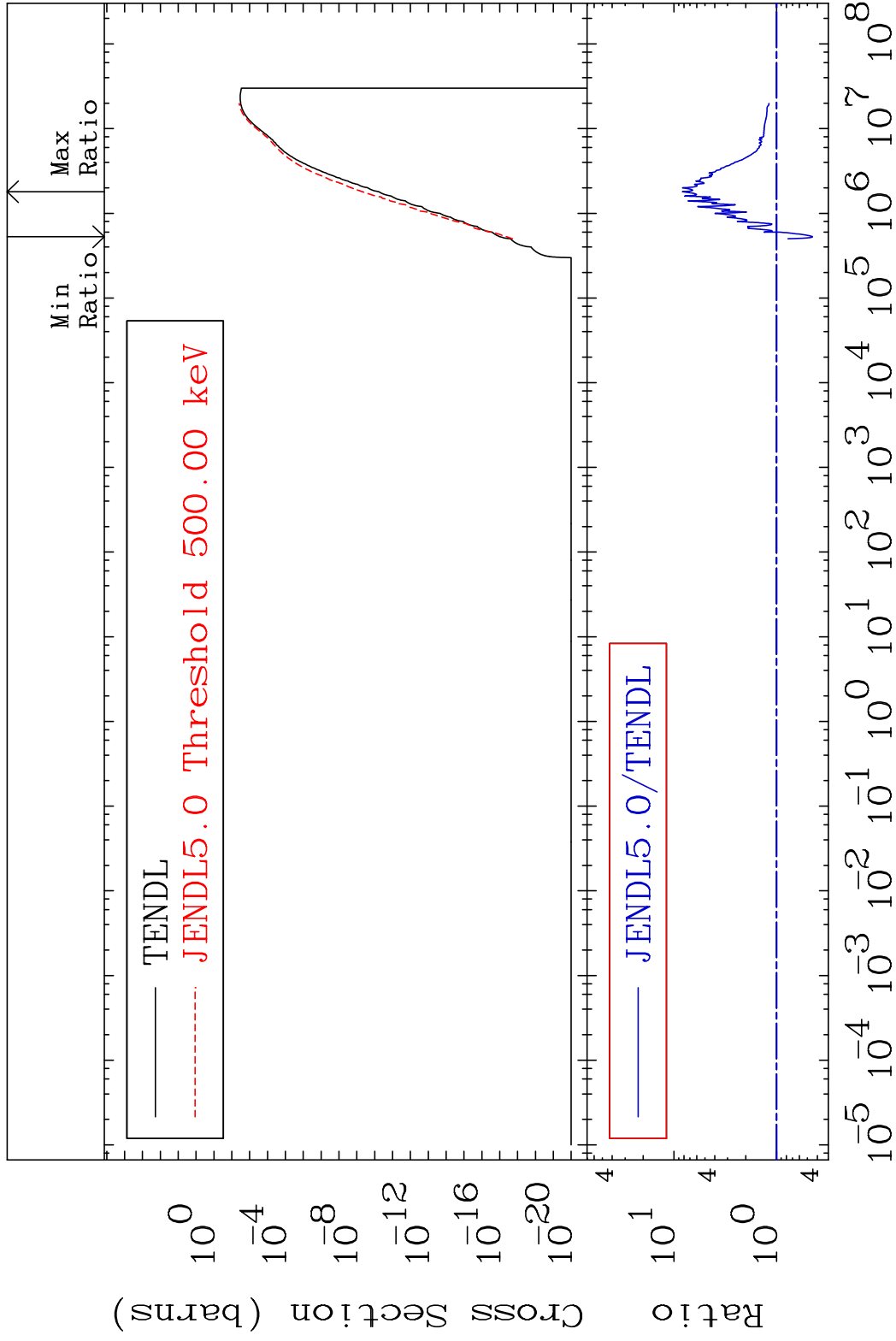
66-Dy-154

MAT 6619

(n, p)

66-Dy-154

Cross Section -55.44 To 728.9 %



30

Incident Energy (eV)

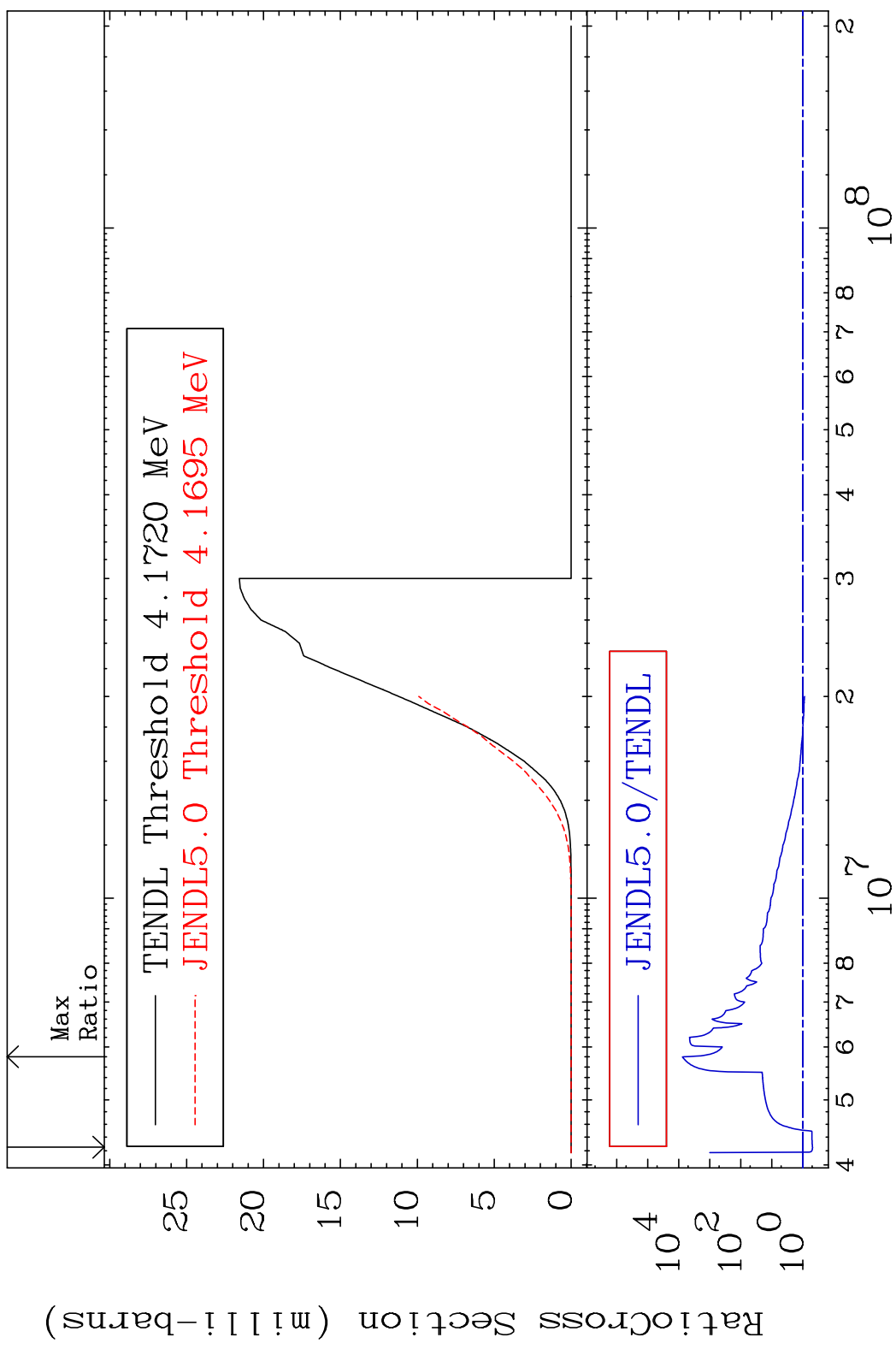
66-Dy-154

MAT 6619

(n,d)

66-Dy-154

Cross Section -51.36 To 9999. %

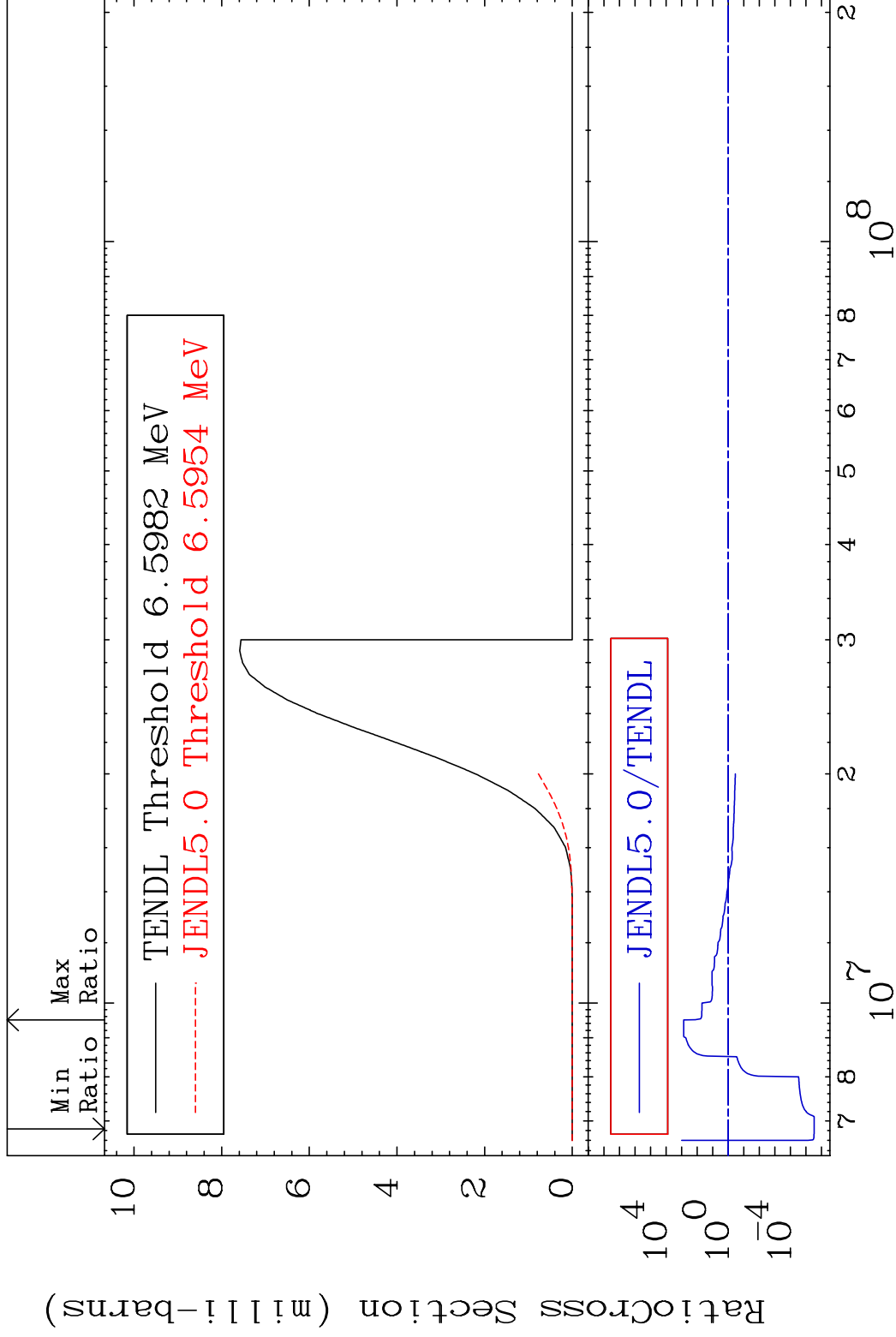


MAT 6619

(n, t)

66-Dy-154

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

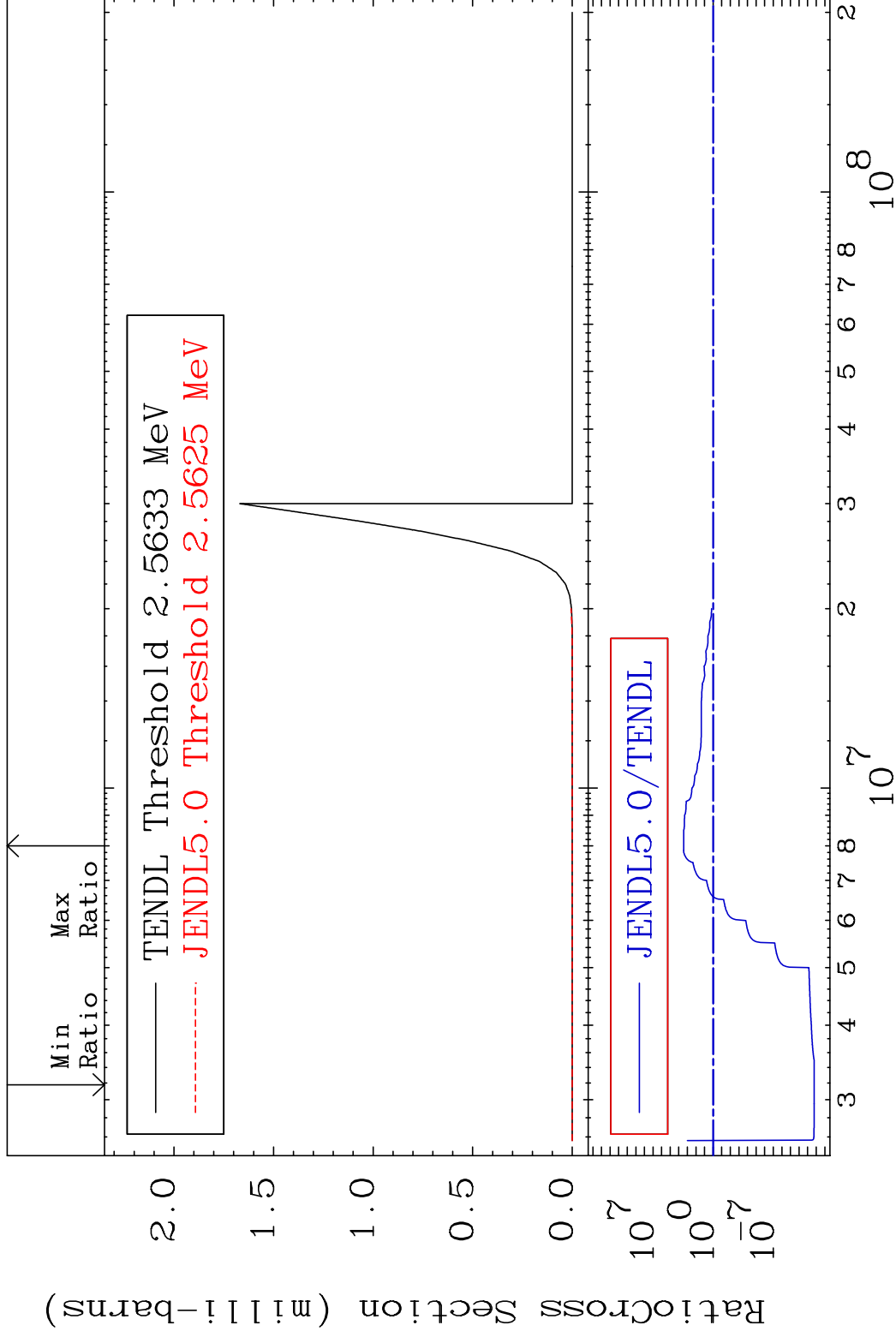
66-Dy-154

MAT 6619

(n, He-3)

66-Dy-154

Cross Section -100.0 To 9999. %



33

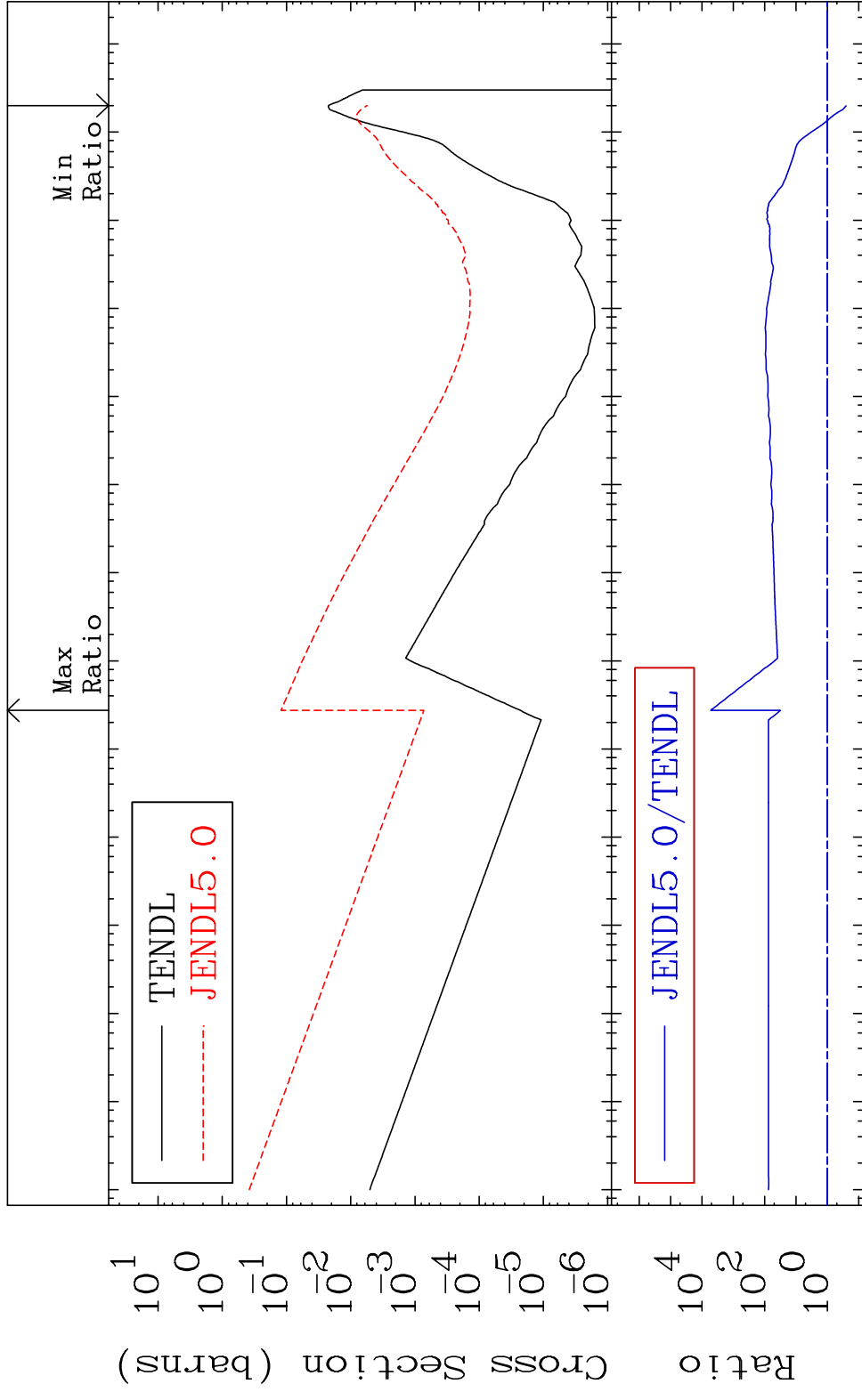
Incident Energy (eV)

66-Dy-154

MAT 6619

(n,  $\alpha$ )

Cross Section -75.02 To 9999. %  
66-Dy-154



Cross Section (barns)  
Ratio

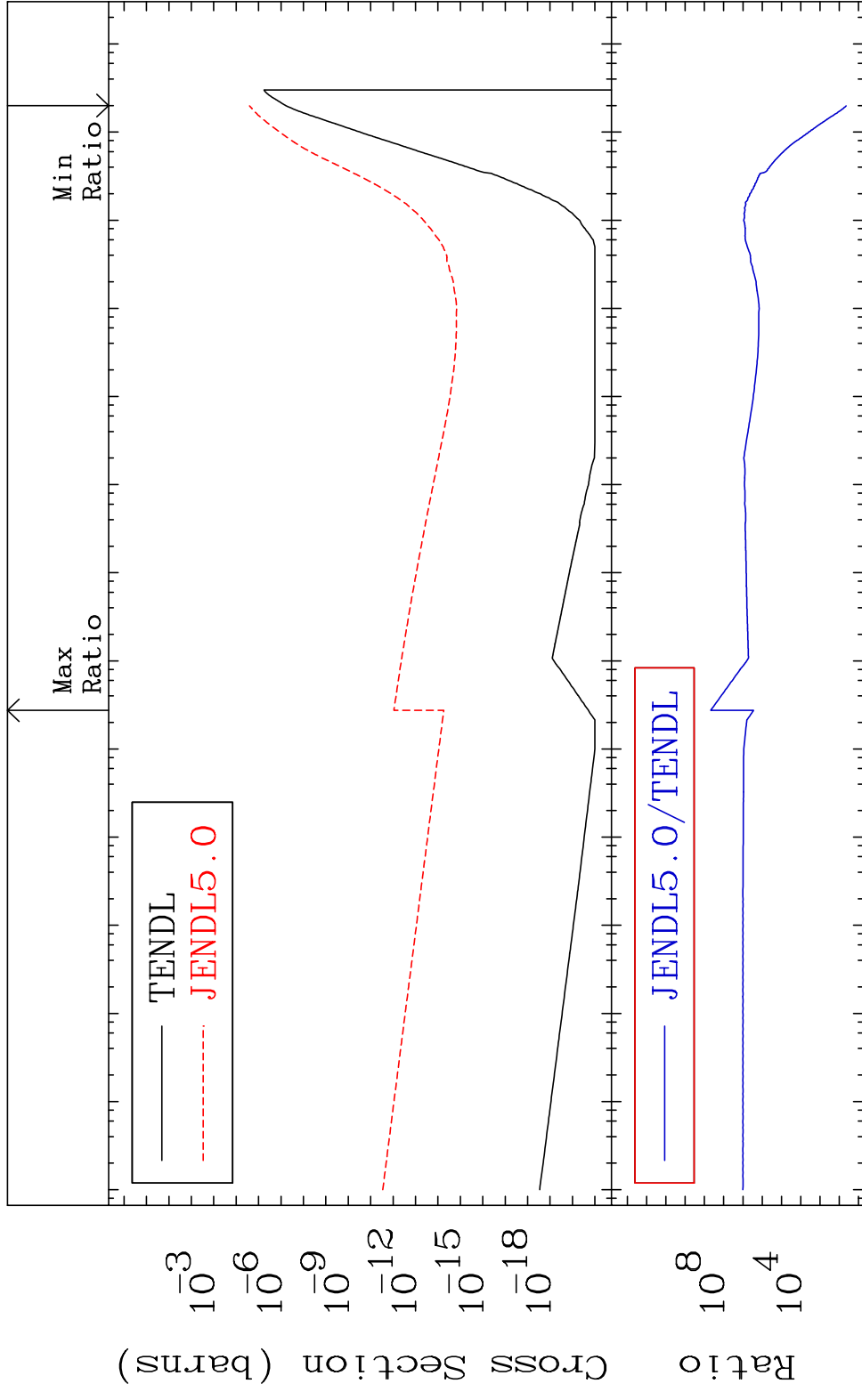
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

MAT 6619

(n, 2α)

66-Dy-154

Cross Section 4191. To 9999. %

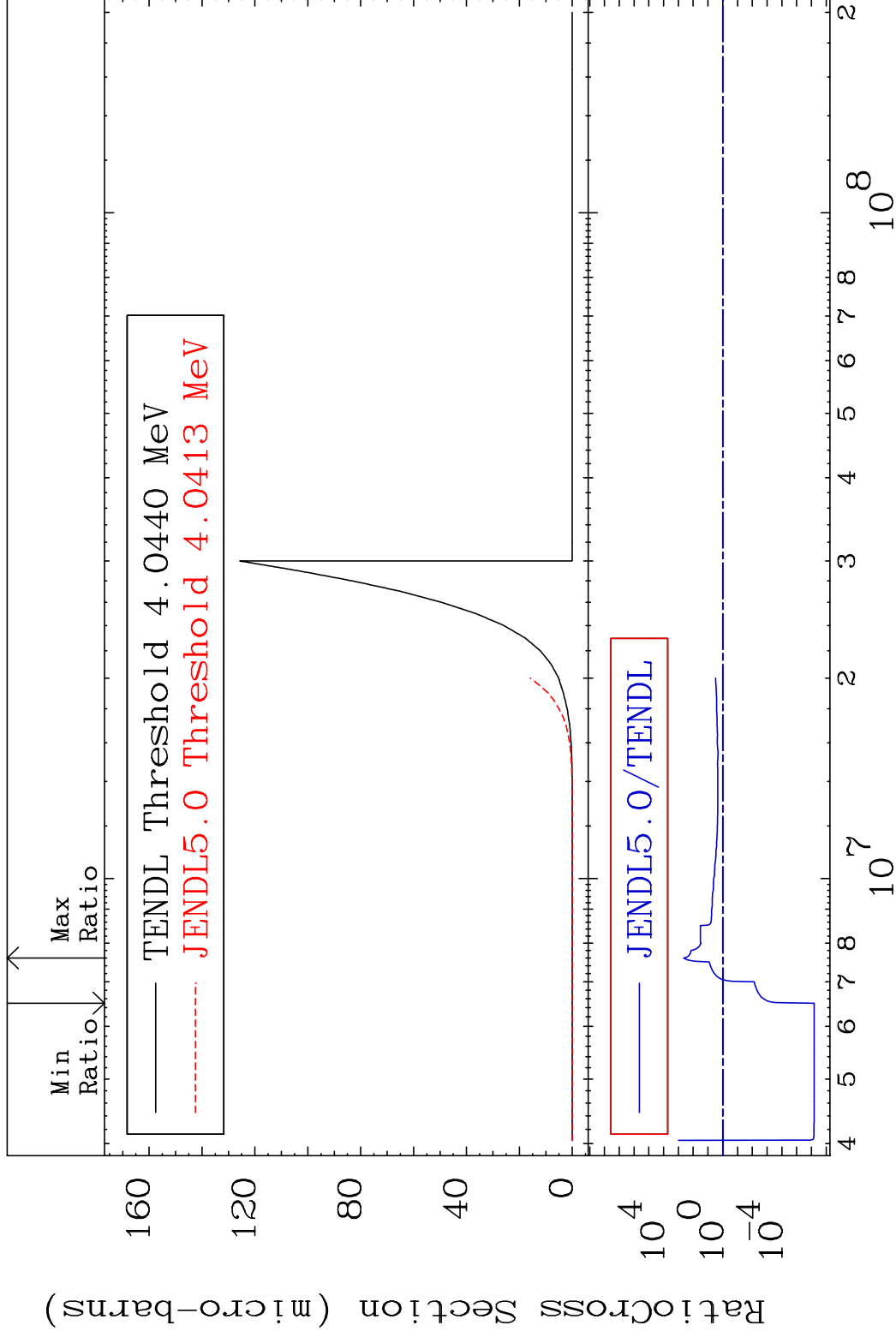


MAT 6619

(n,2p)

66-Dy-154

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

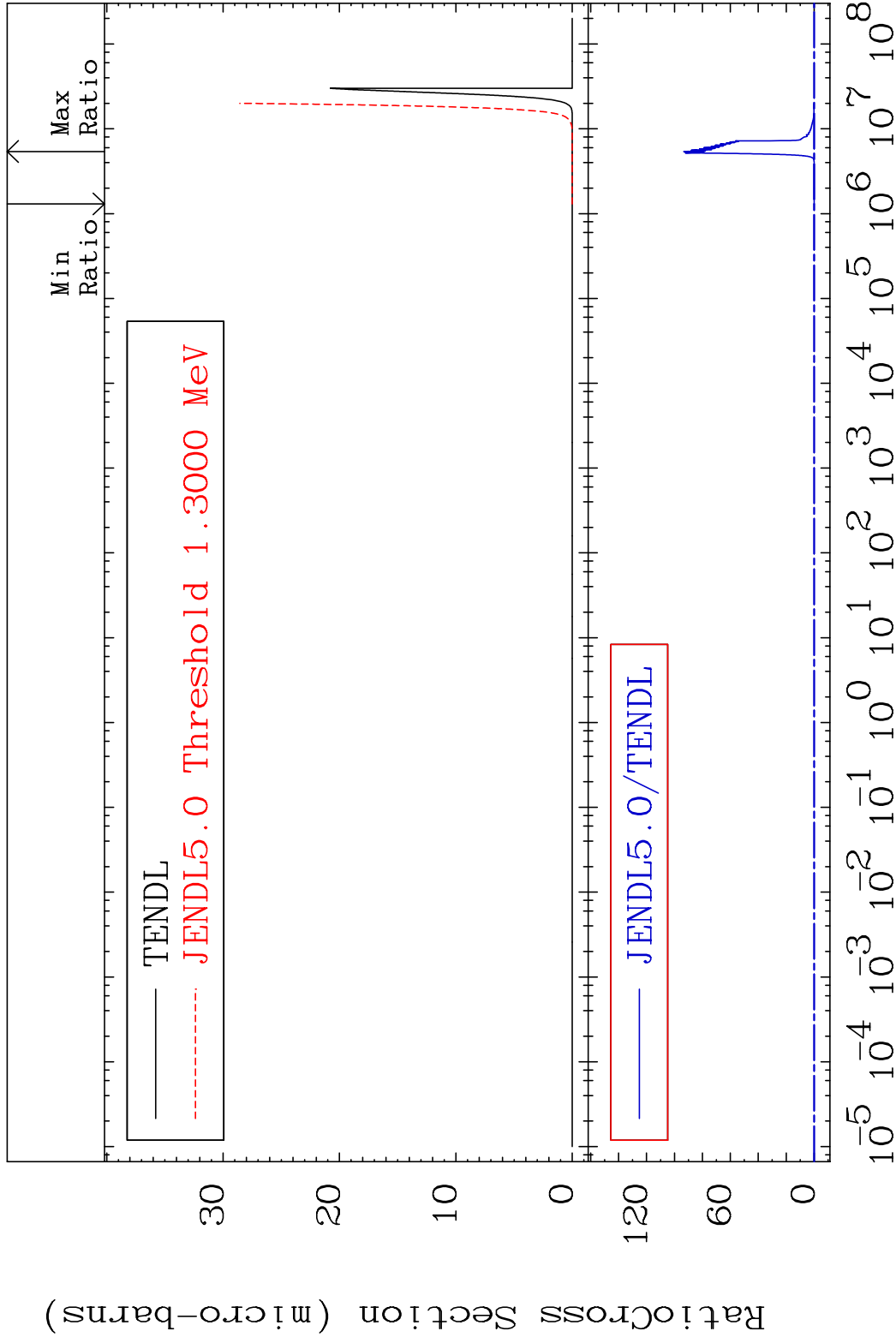
66-Dy-154

MAT 6619

(n,p)  $\alpha$

66-Dy-154

Cross Section -100.0 To 9999. %

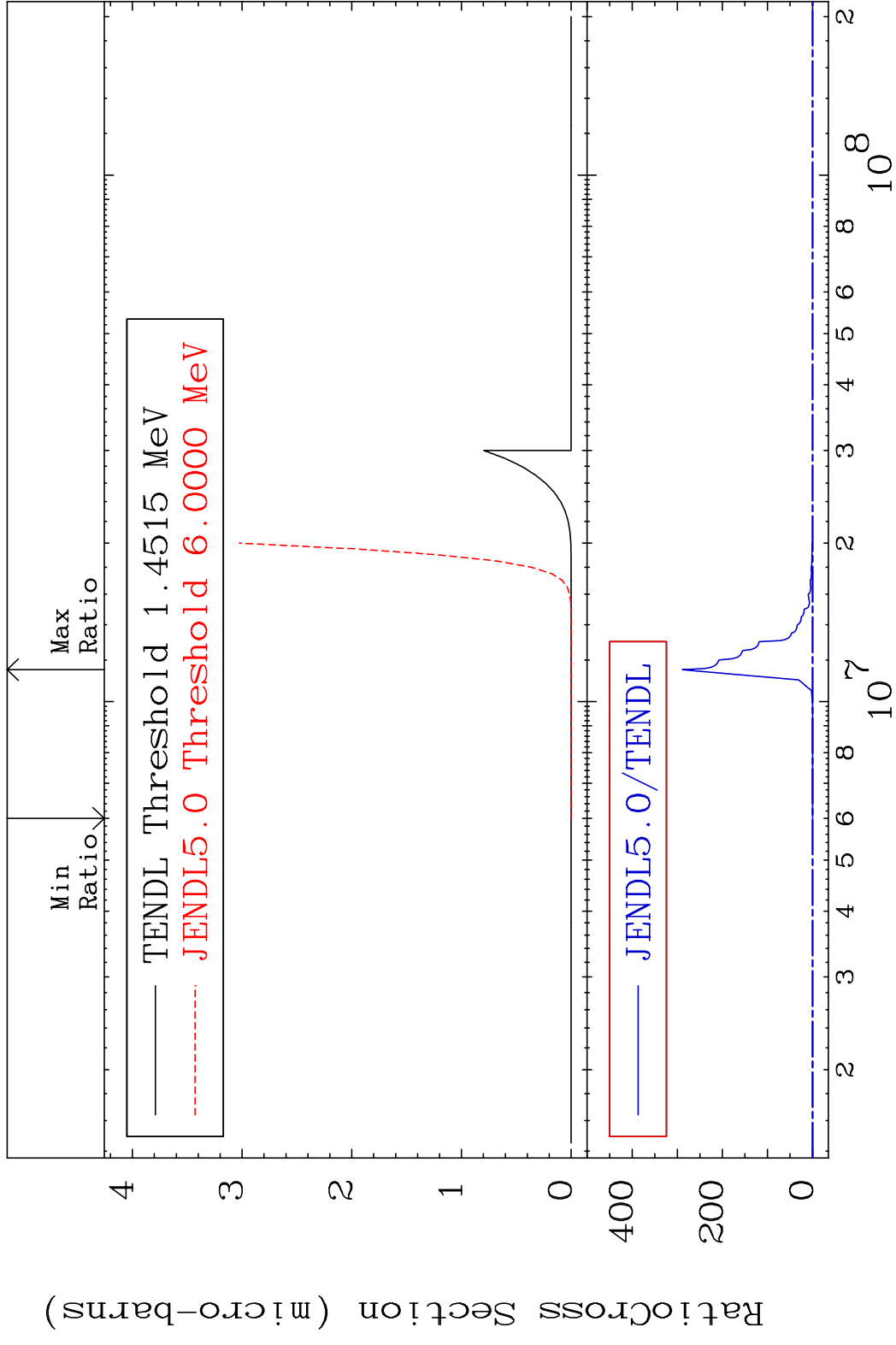


37

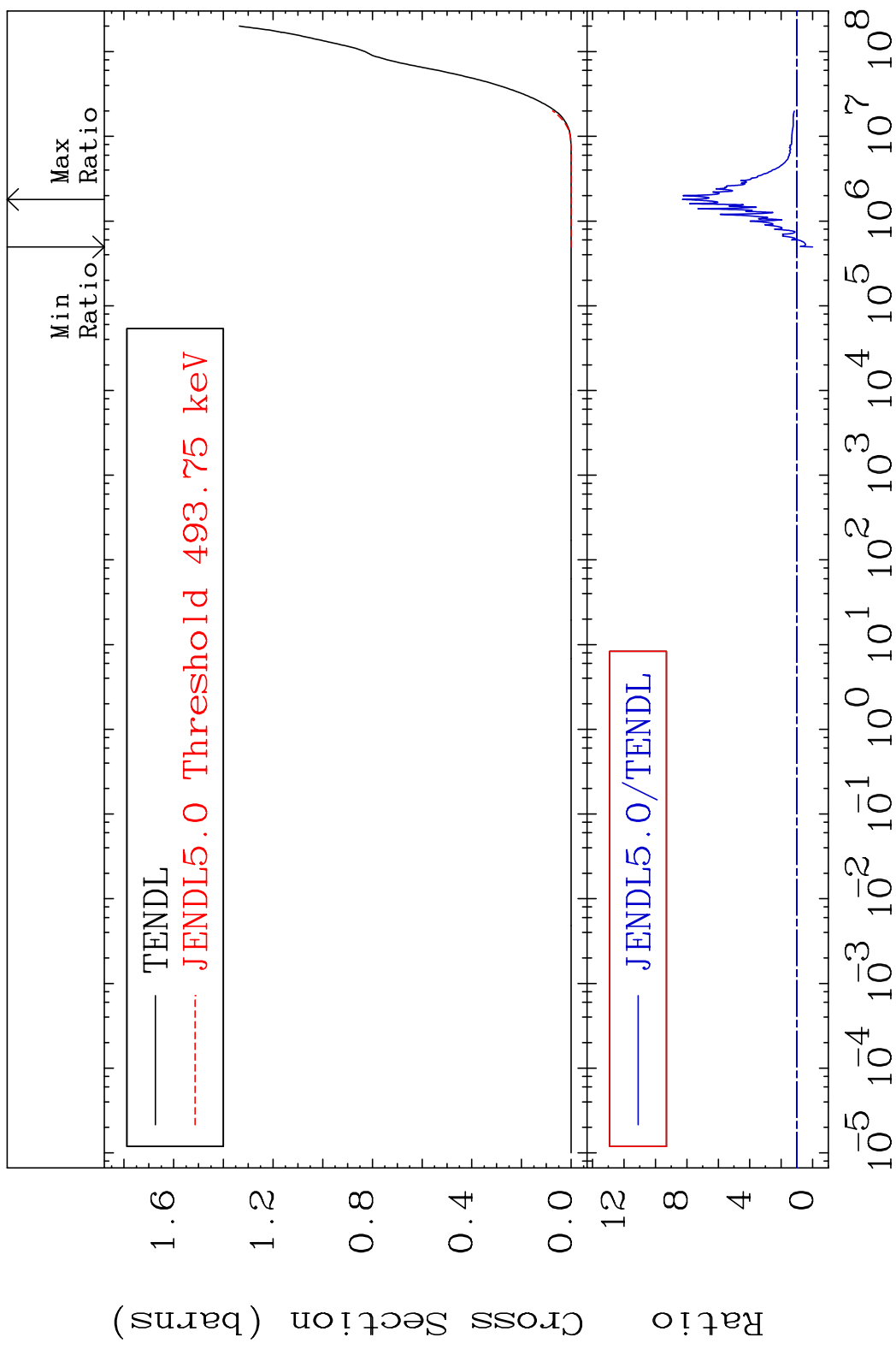
Incident Energy (eV)

66-Dy-154

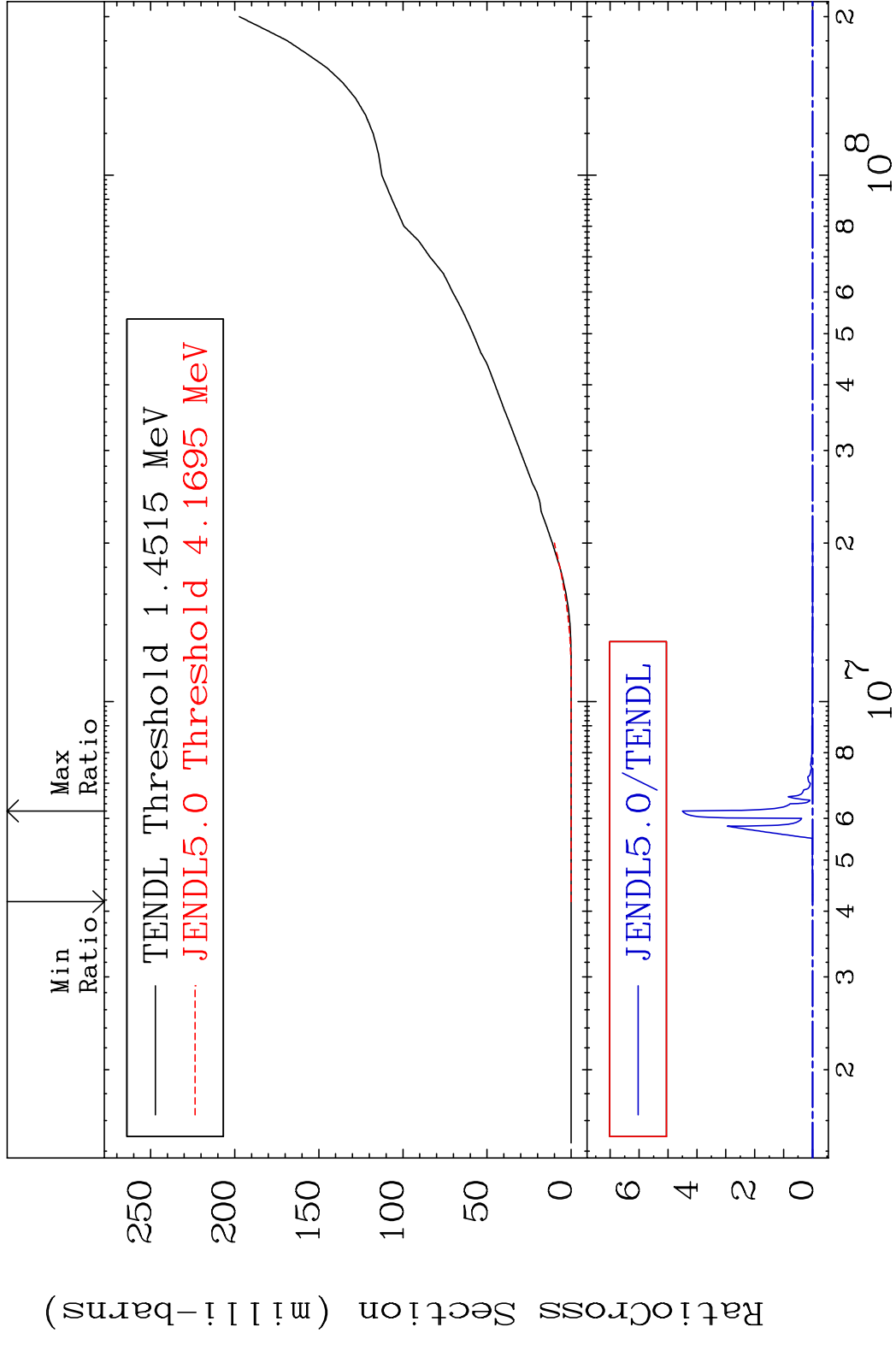
MAT 6619 (n,d)  $\alpha$  66-Dy-154  
 Cross Section -100.0 To 9999. %



Cross Section -100.0 To 728.9 %



MAT 6619 Deuterium Production 66-Dy-154  
 Cross Section -100.0 To 9999. %

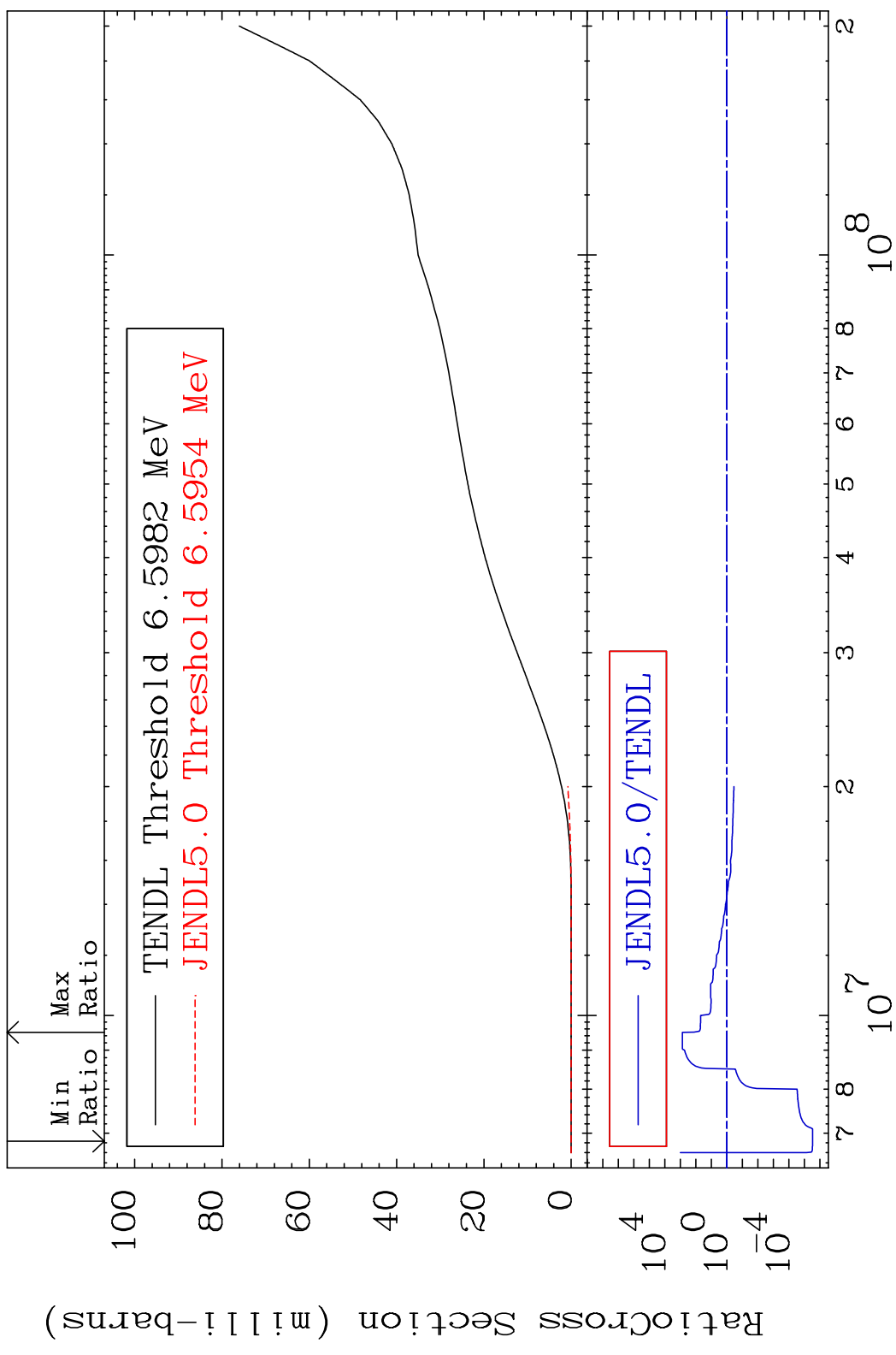


MAT 6619

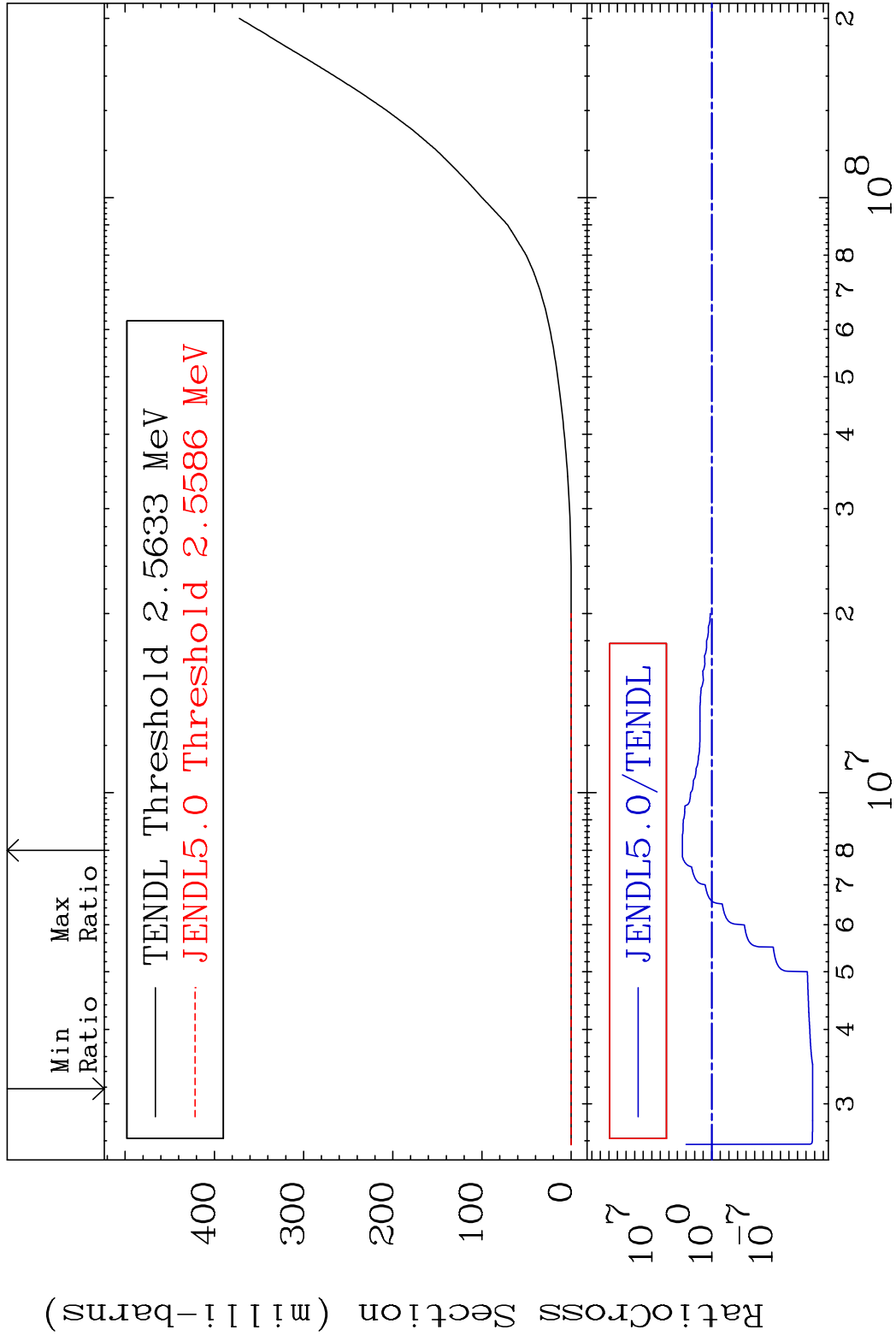
Tritium Production

66-Dy-154

Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

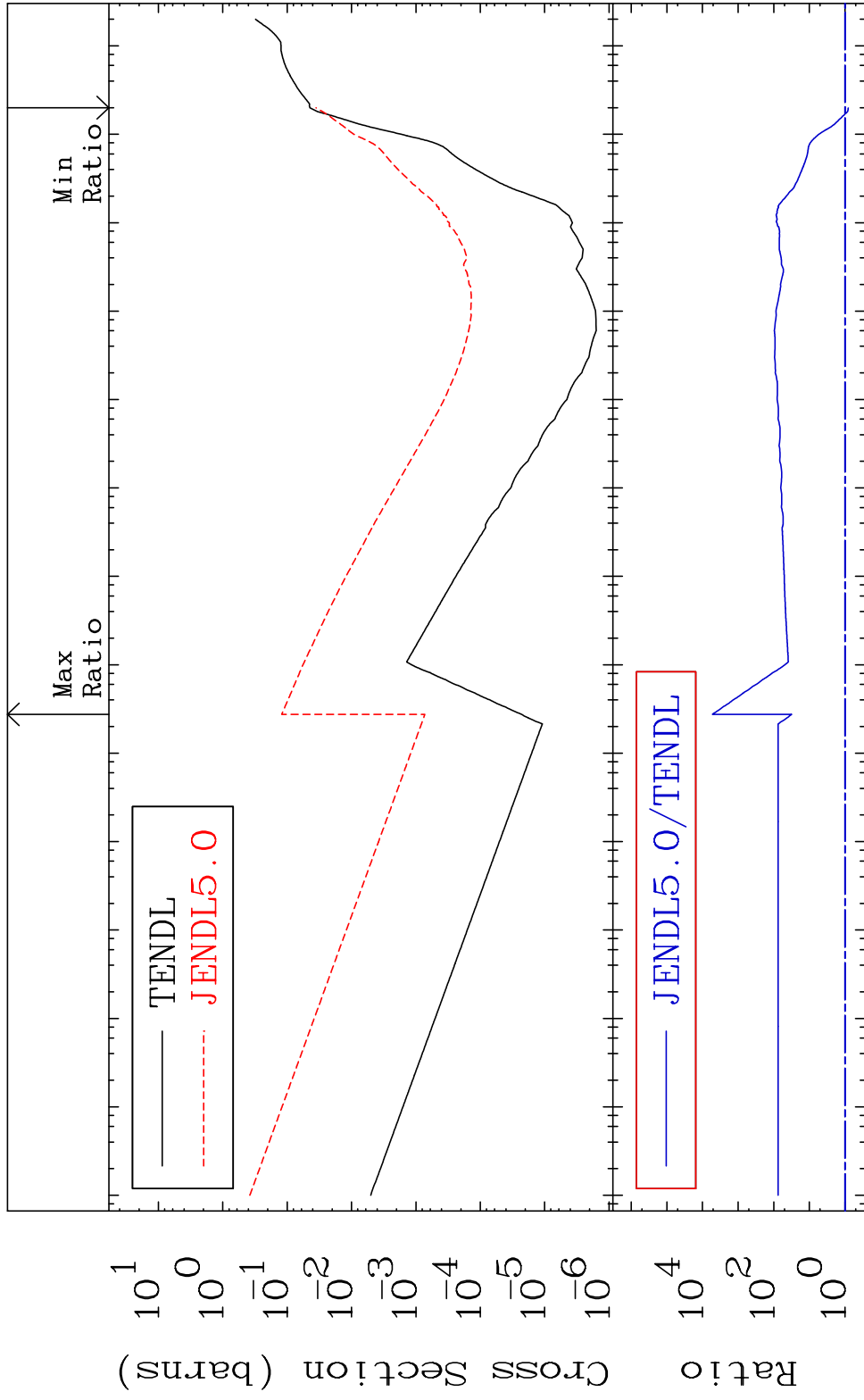


MAT 6619

He-4 Production

66-Dy-154

Cross Section -19.25 To 9999. %

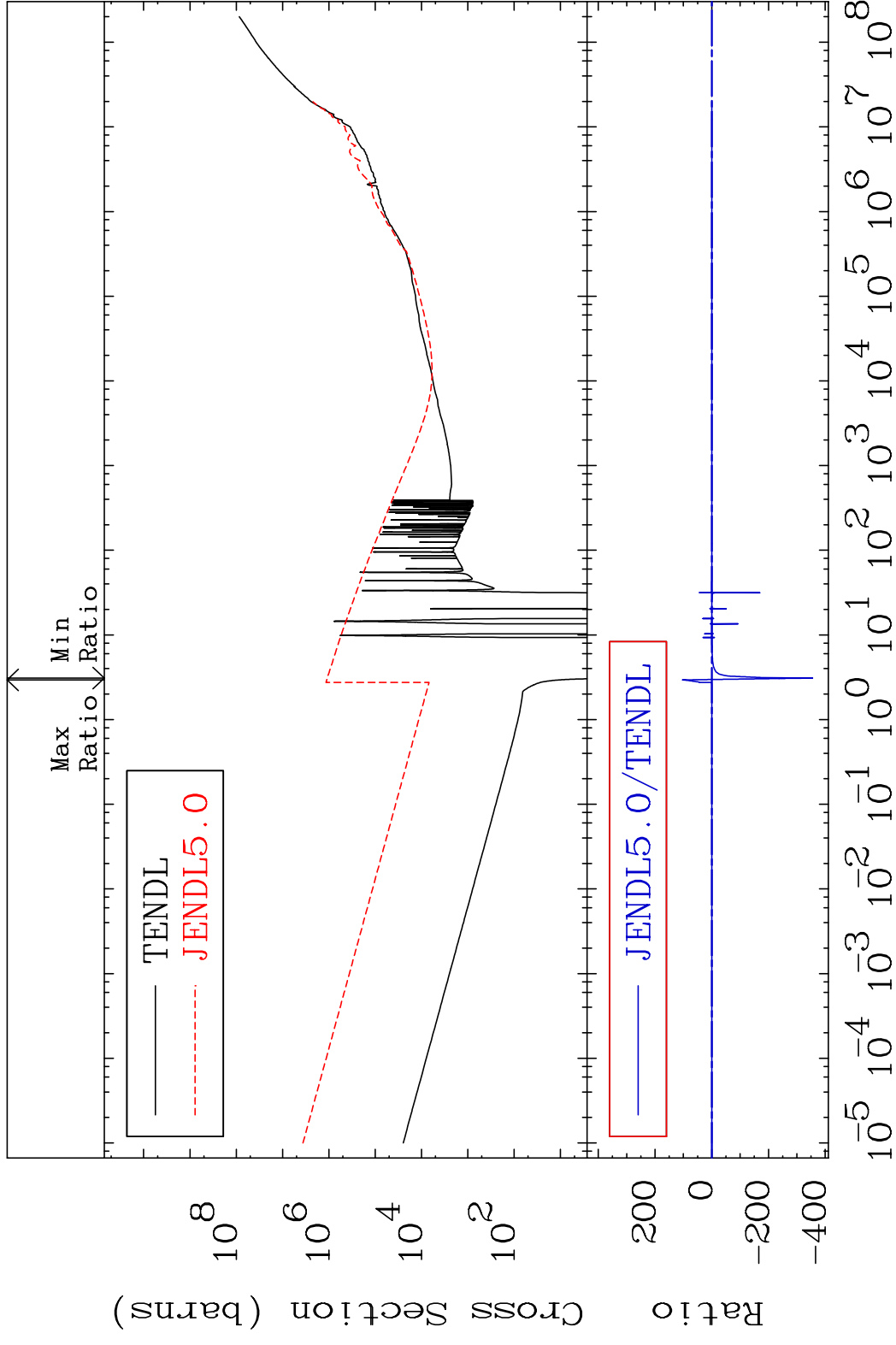


43

Incident Energy (eV)

66-Dy-154

MAT 6619 Kerma total (eV-barns) 66-Dy-154  
 Cross Section -9999. To 9999. %

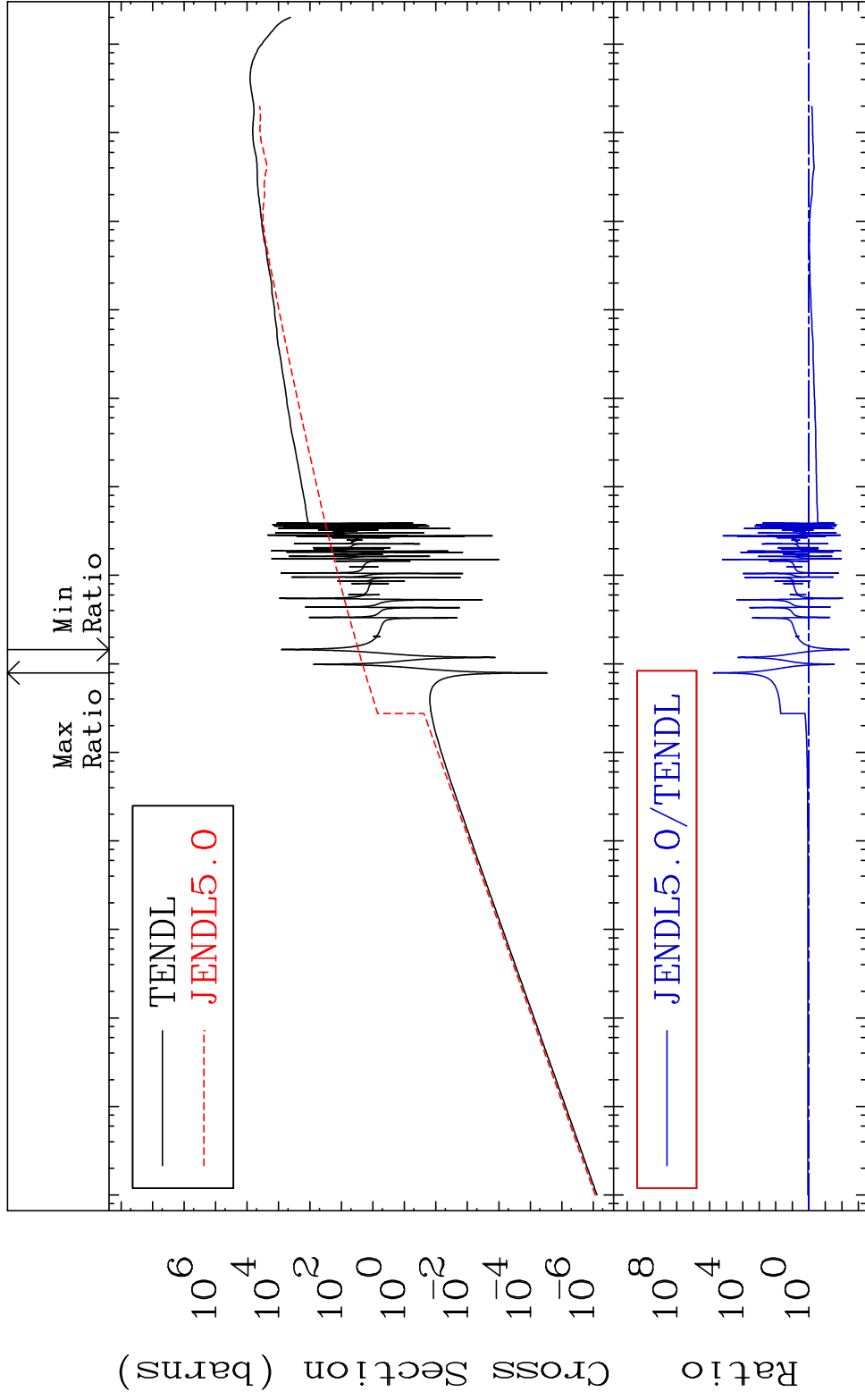


MAT 6619

Kerma elastic

66-Dy-154

Cross Section -99.64 To 9999. %

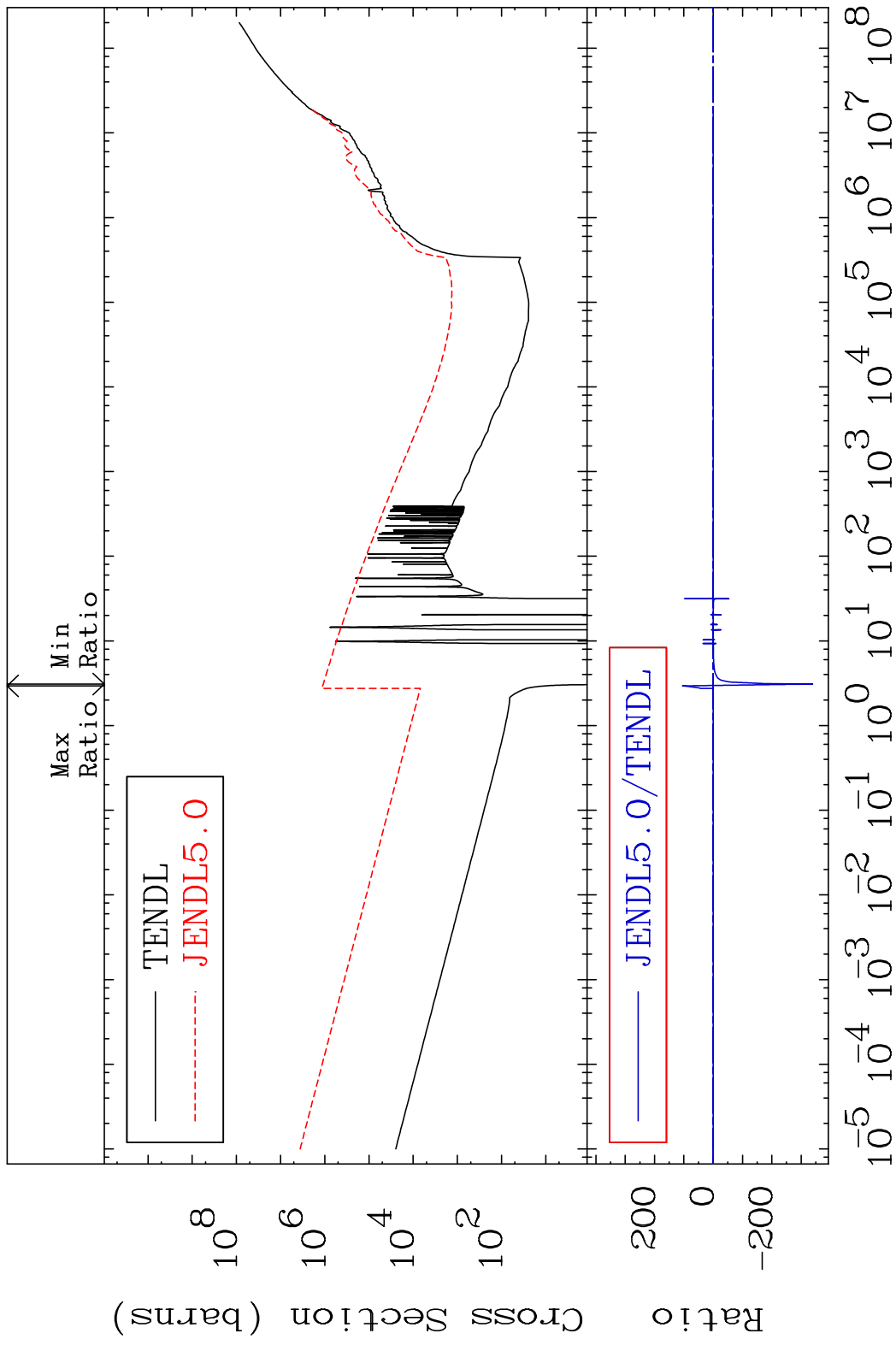


45

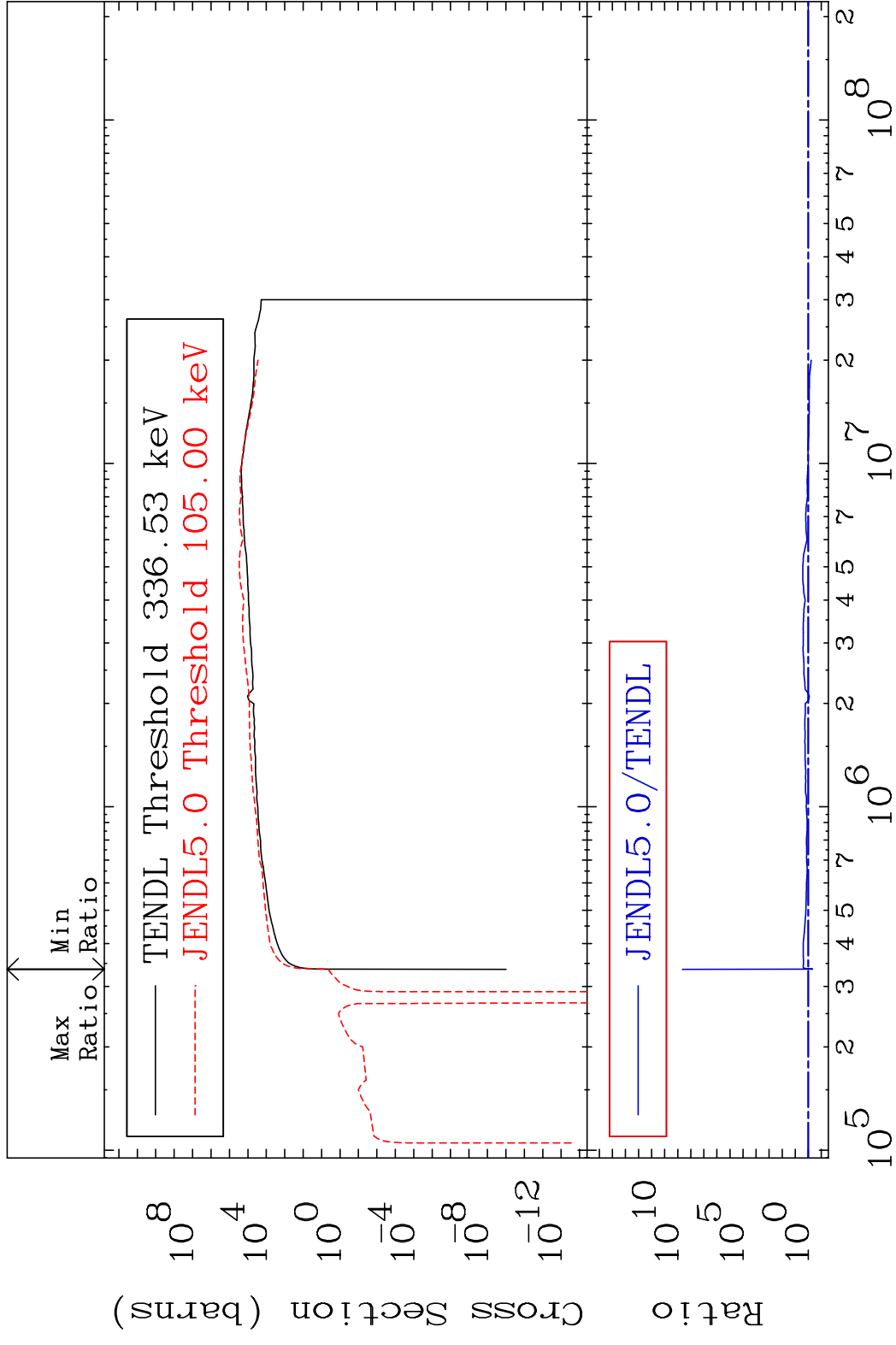
Incident Energy (eV)

66-Dy-154

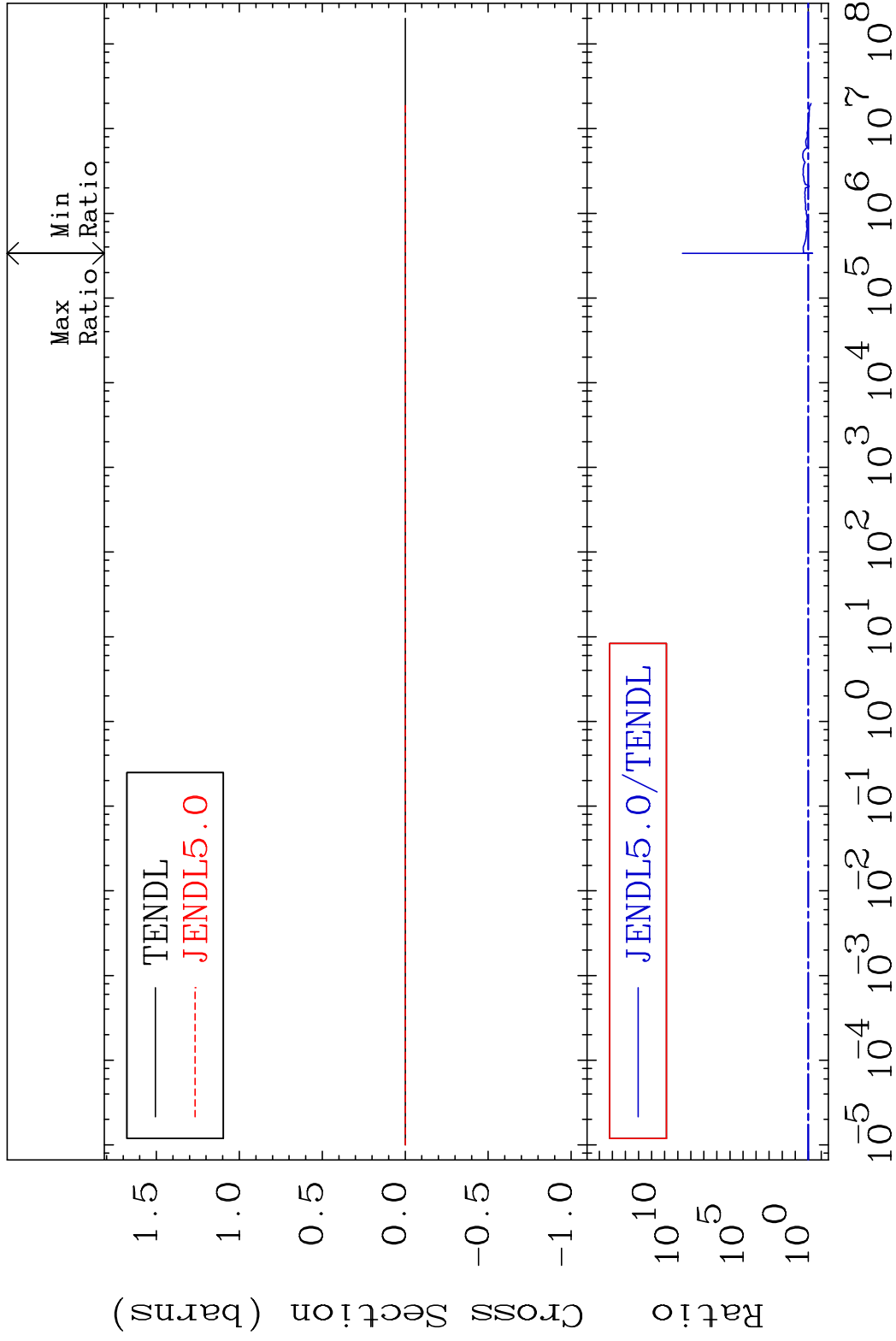
MAT 6619 Kerma non-elastic (all but mt2) 66-Dy-154  
 Cross Section -9999. To 9999. %



MAT 6619 Kerma inelastic (mt51-91) 66-Dy-154  
 Cross Section -52.78 To 9999. %

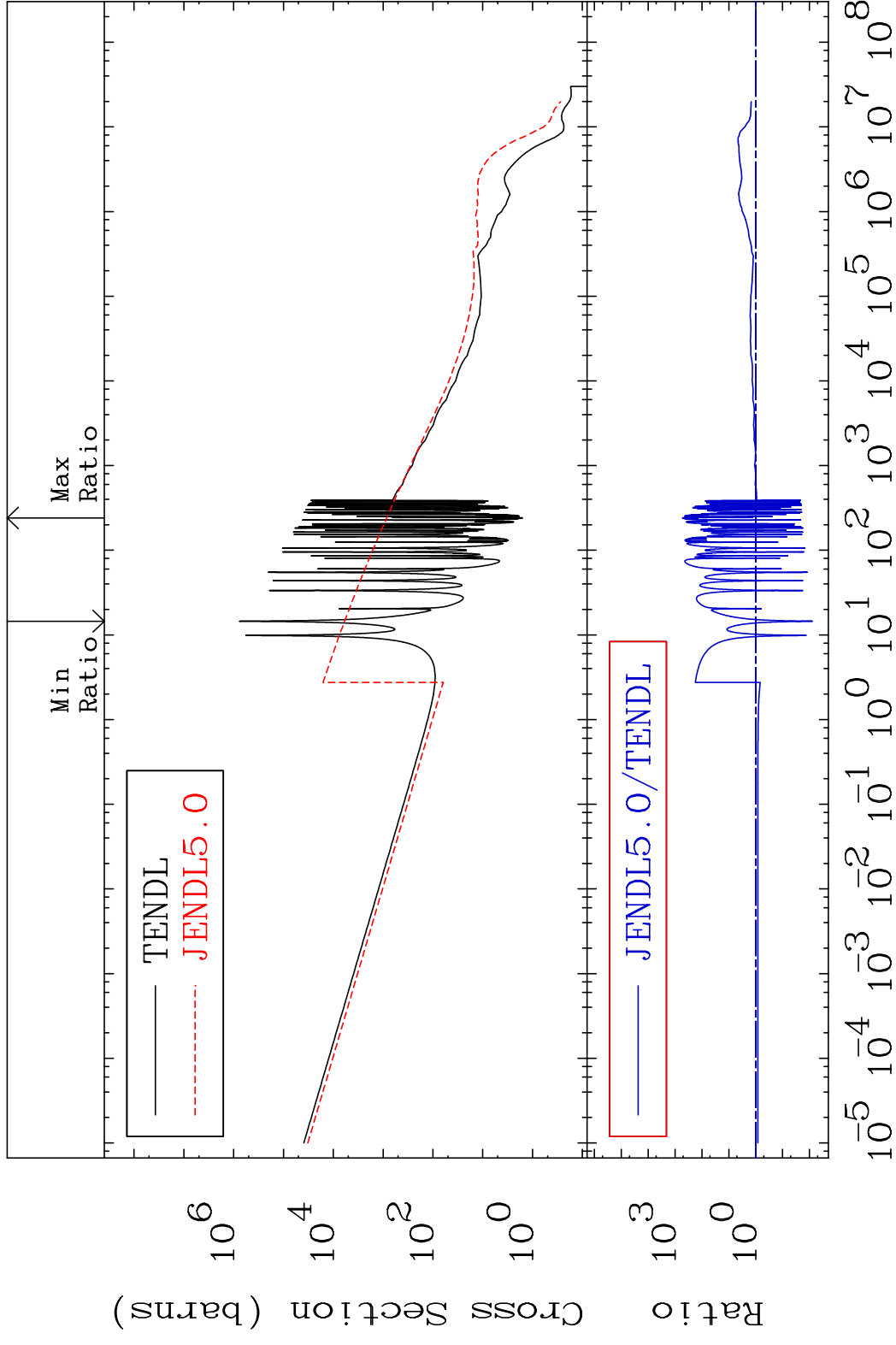


MAT 6619 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-154  
 Cross Section -52.78 To 9999. %



MAT 6619

Kerma capture (mt102) 66-Dy-154  
Cross Section -99.23 To 9999. %



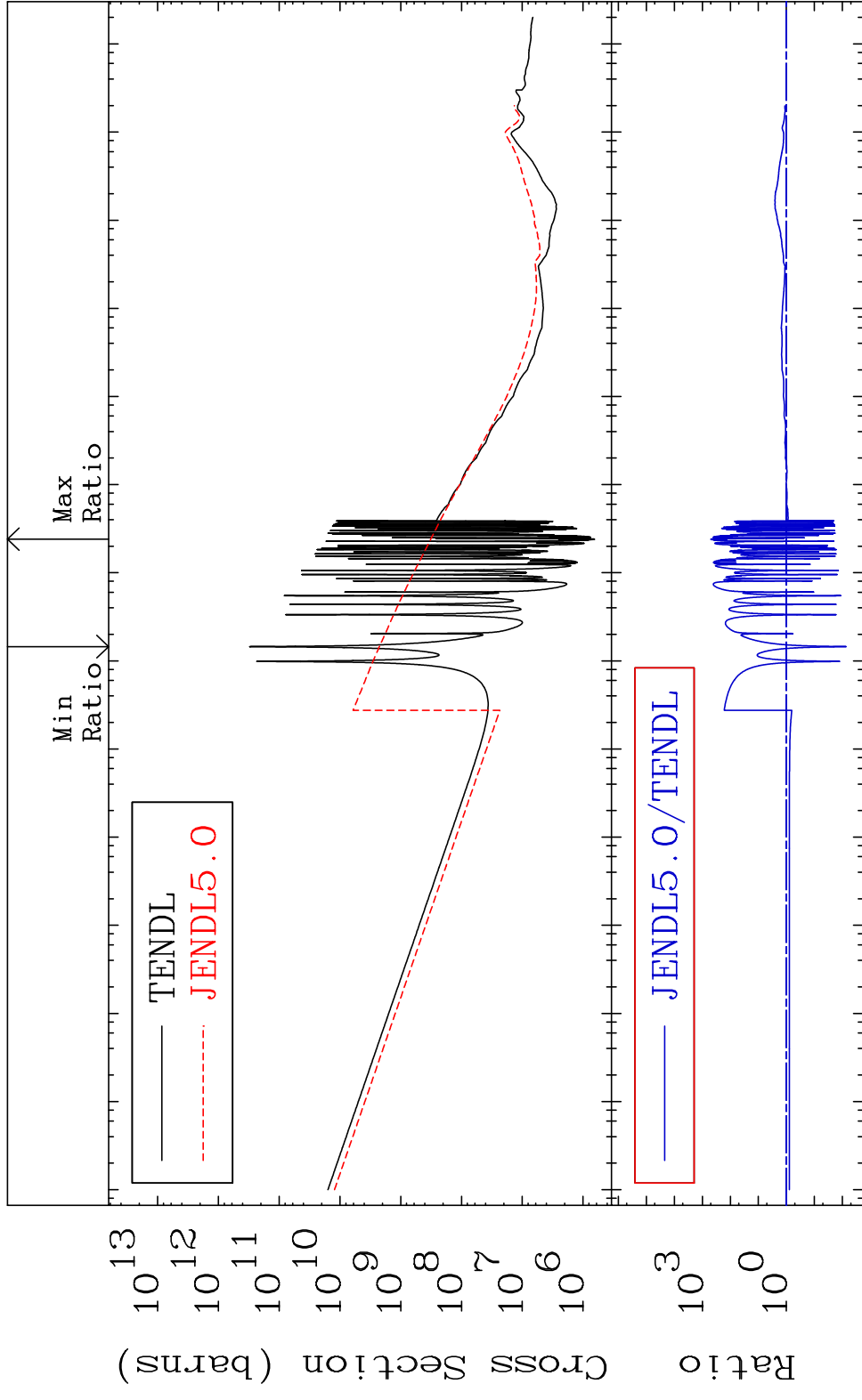
49

Incident Energy (eV)

66-Dy-154

MAT 6619

Total photon (eV-barns) 66-Dy-154  
Cross Section -99.28 To 9999. %

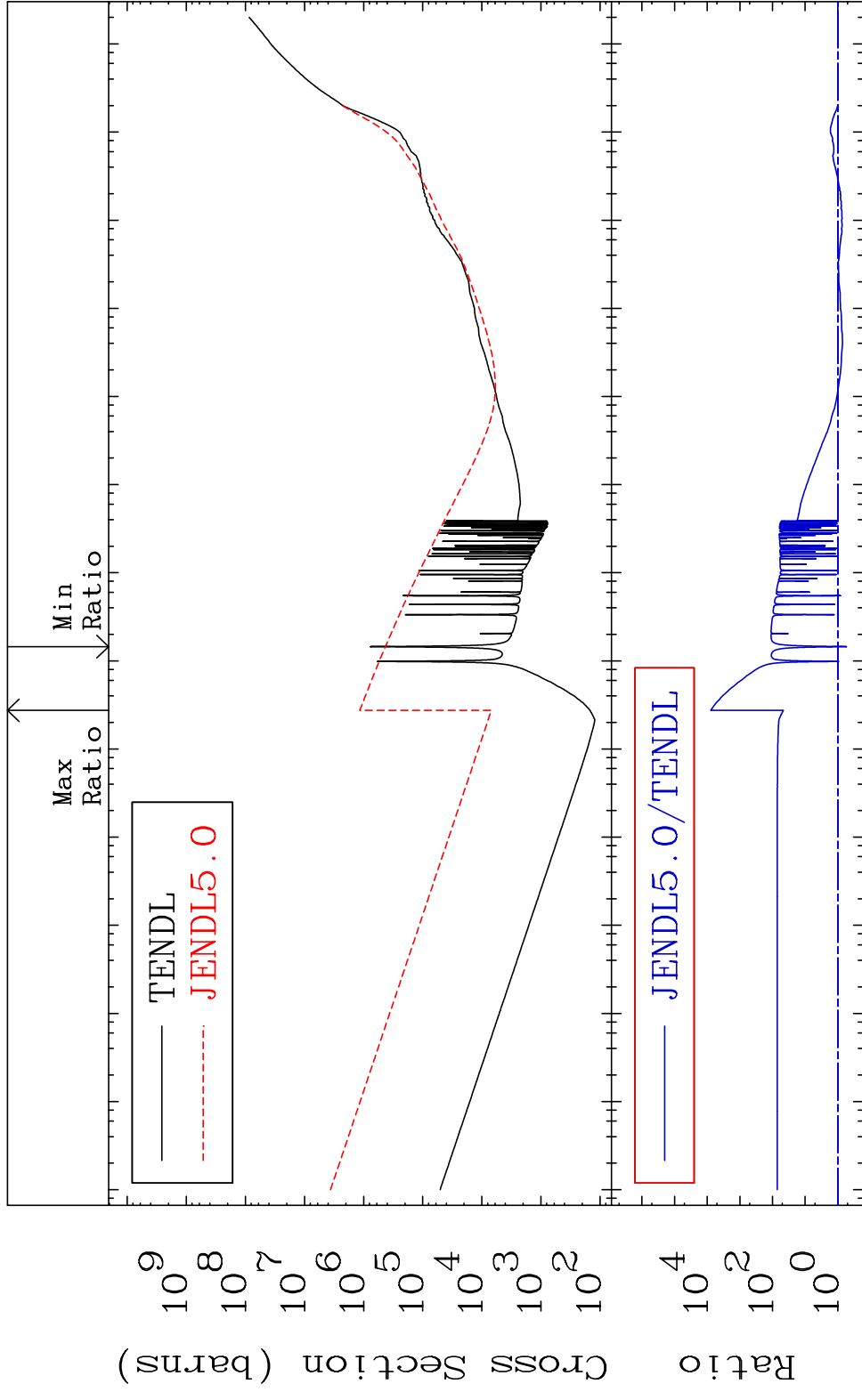


50

Incident Energy (eV)

66-Dy-154

MAT 6619 Total kinematic kerma (high limit) 66-Dy-154  
 Cross Section -45.31 To 9999. %

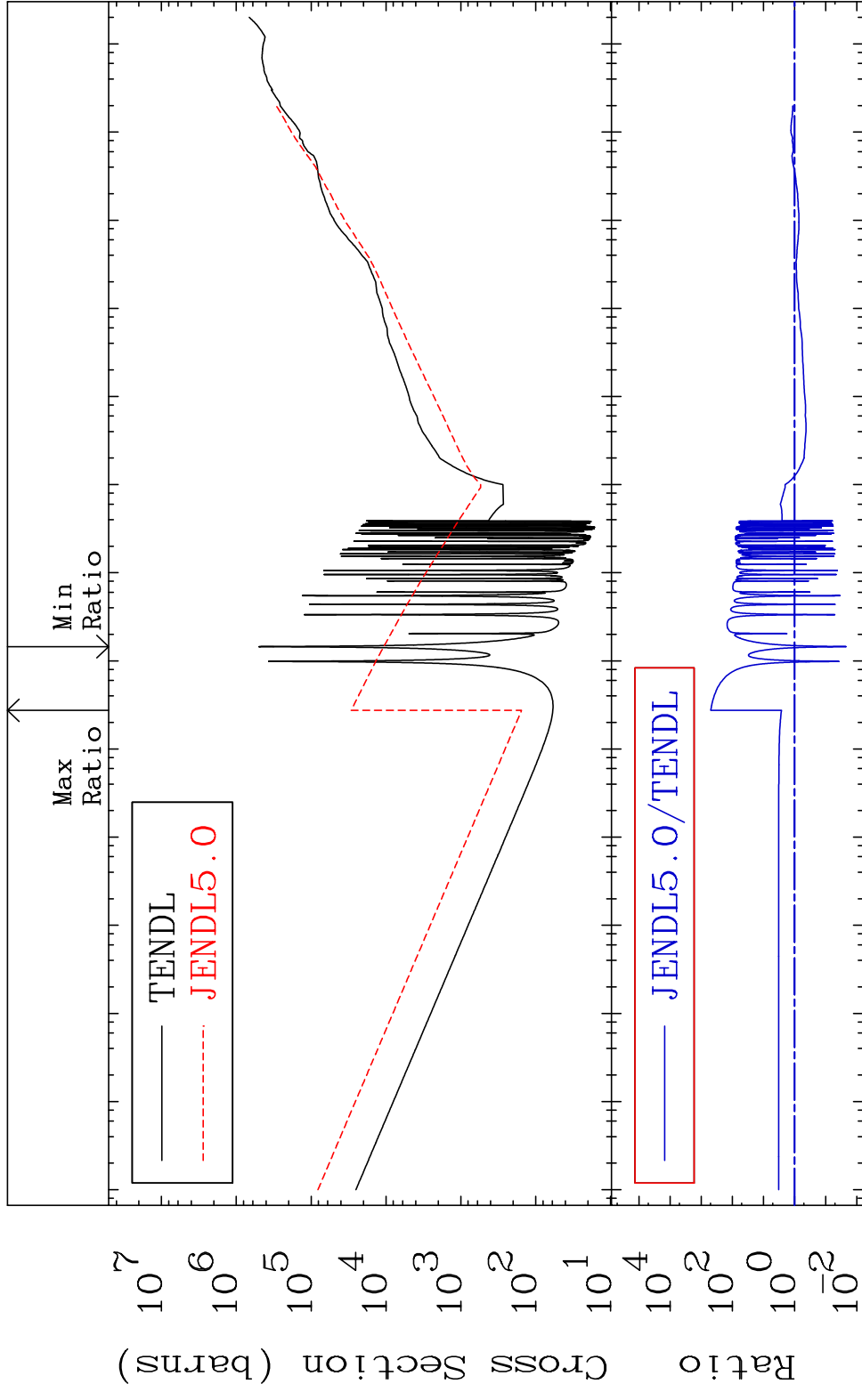


MAT 6619

Dpa total (eV-barns)

66-Dy-154

Cross Section -97.84 To 9999. %

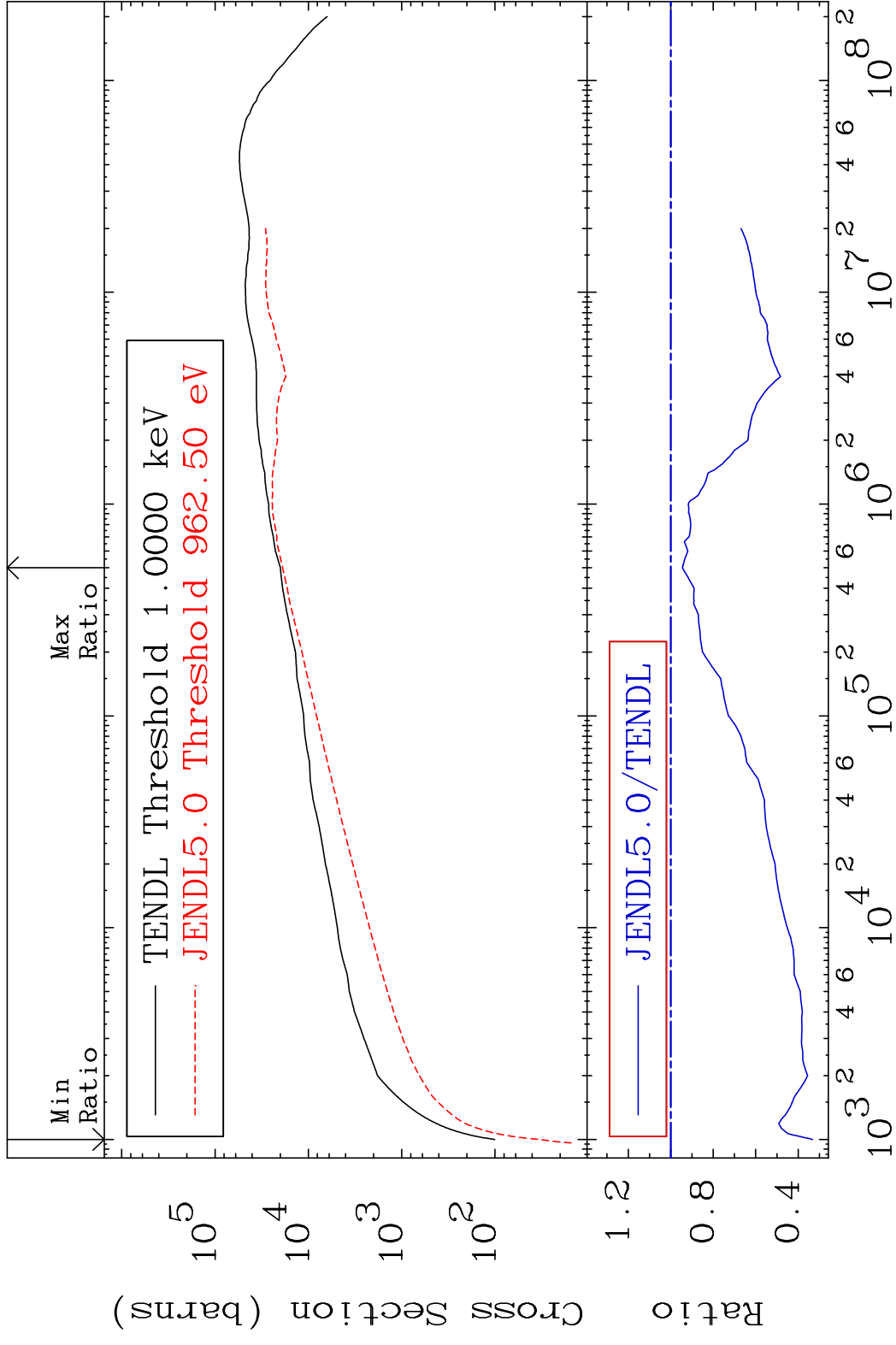


MAT 6619

Dpa elastic (mt2)

66-Dy-154

Cross Section -66.76 To -5.474%

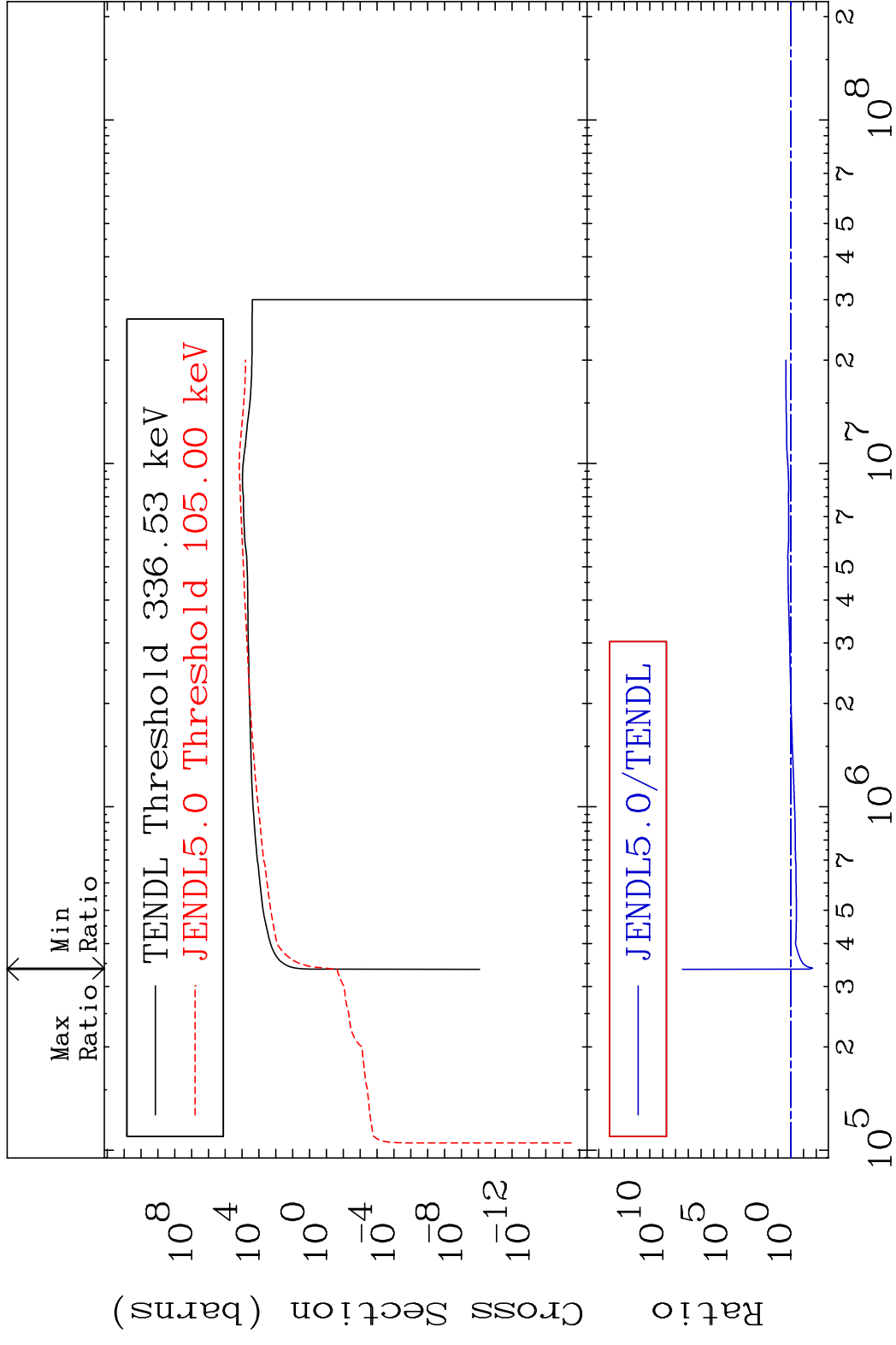


53

Incident Energy (eV)

66-Dy-154

MAT 6619 Dpa inelastic (mt51-91) 66-Dy-154  
 Cross Section -98.05 To 9999. %



MAT 6619 Dpa disappearance (mt102 -120) 66-Dy-154  
 Cross Section -97.84 To 9999. %

