

Program Complot  
(Version 2021-1)

by

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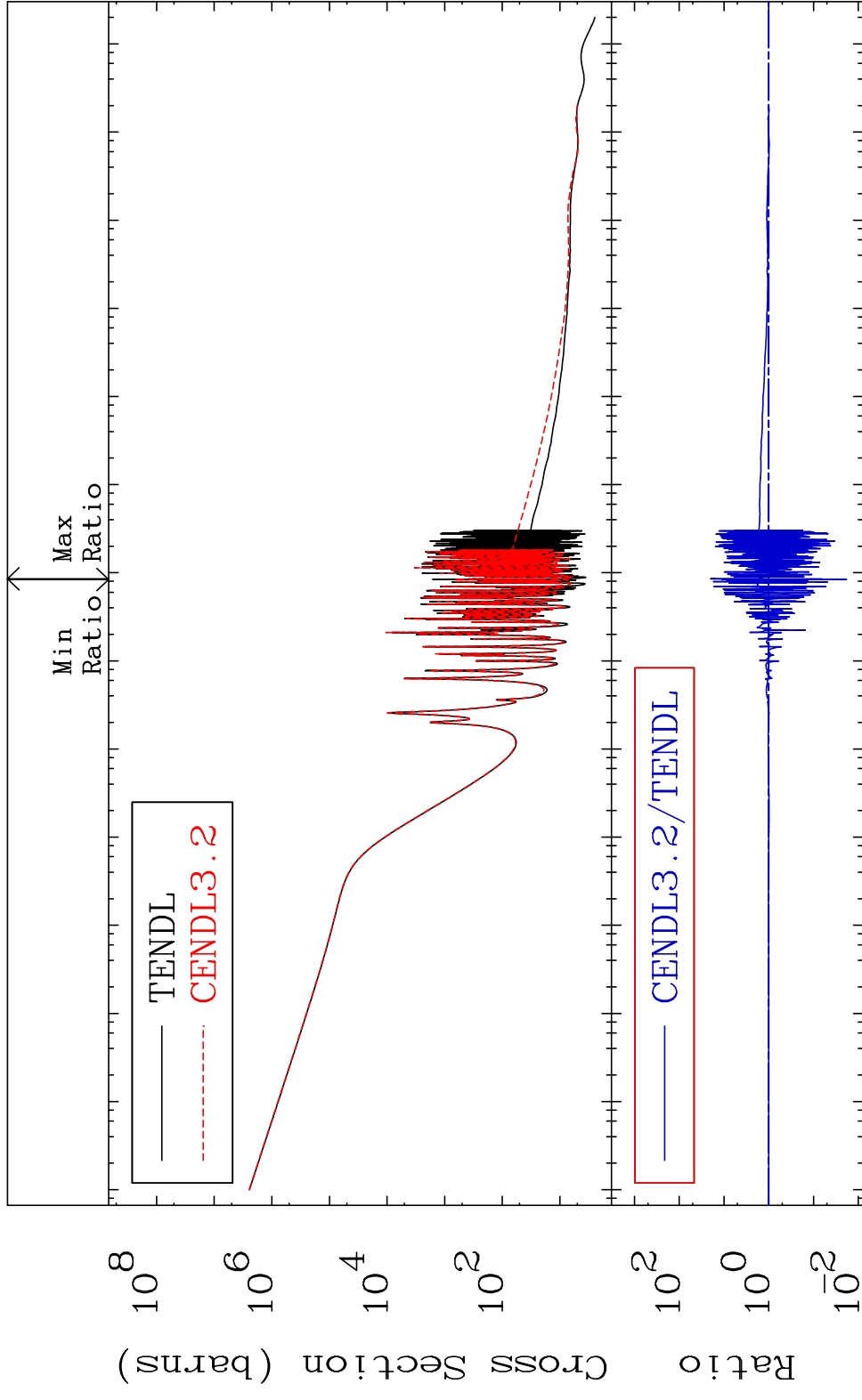
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6434

Total Cross Section -98.15 To 1880. %

64-Gd-155



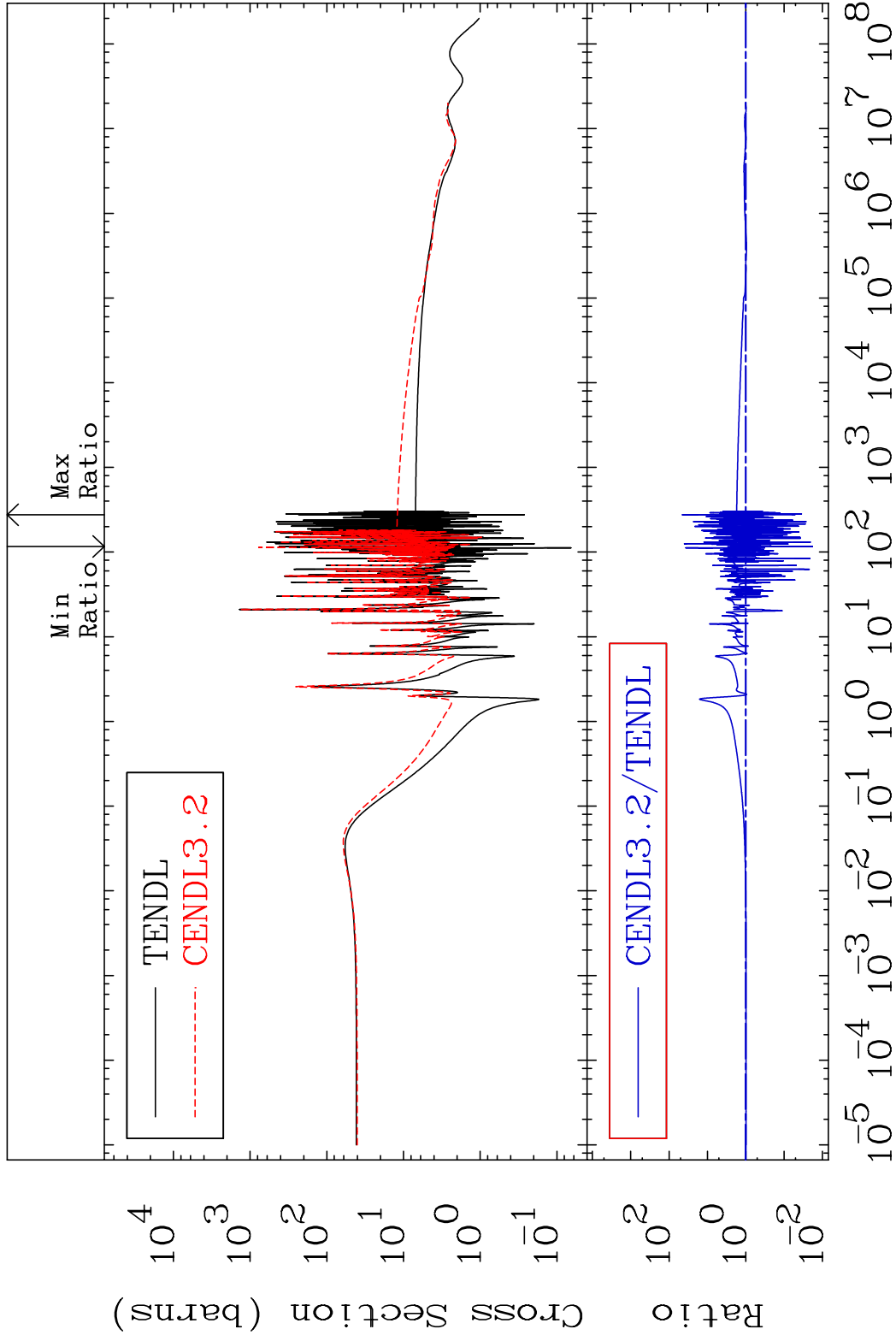
1 Incident Energy (eV) 64-Gd-155

MAT 6434

Elastic

64-Gd-155

Cross Section -98.20 To 4398. %



2

Incident Energy (eV)

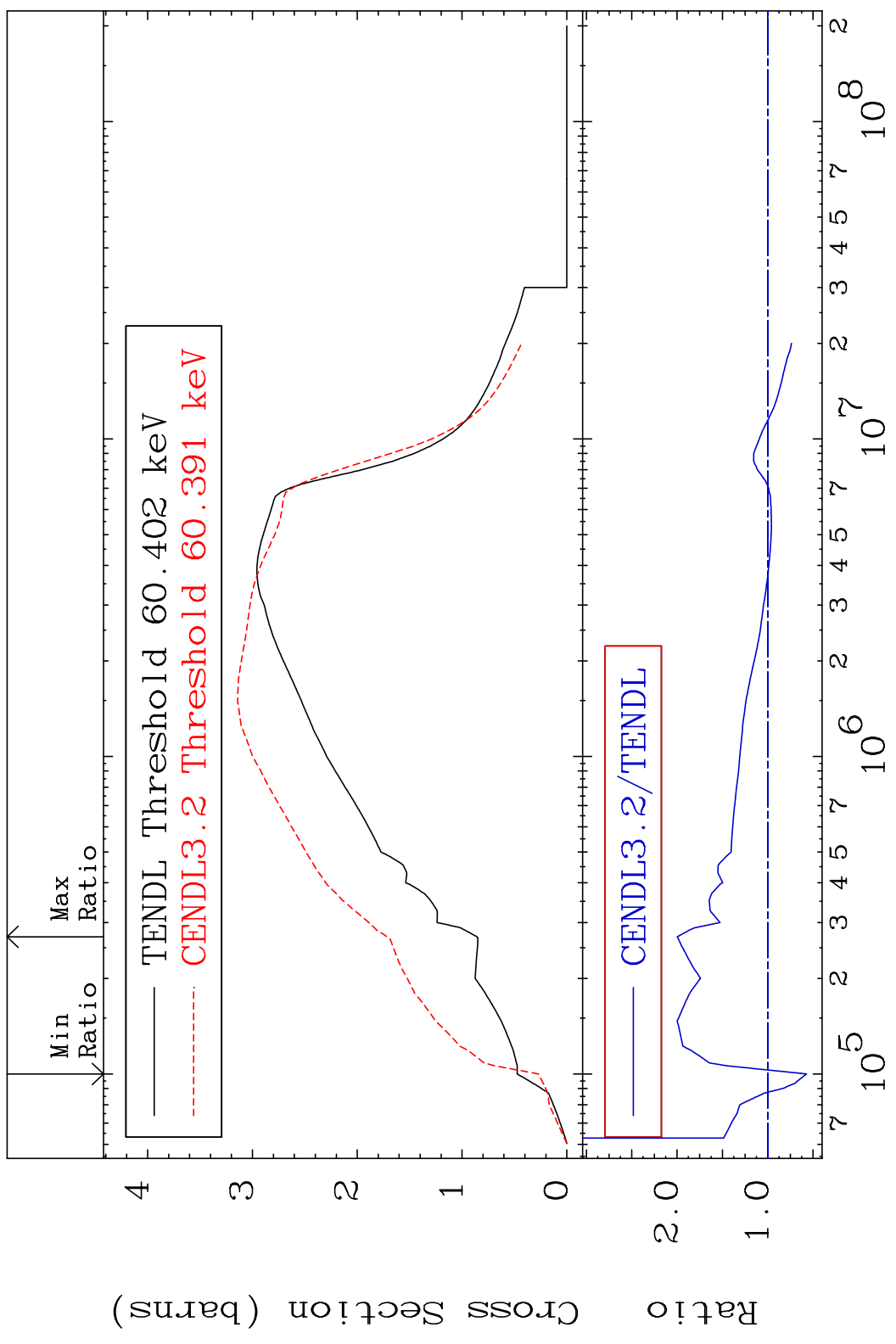
64-Gd-155

MAT 6434

Inelastic

64-Gd-155

Cross Section -42.67 To 99.87 %

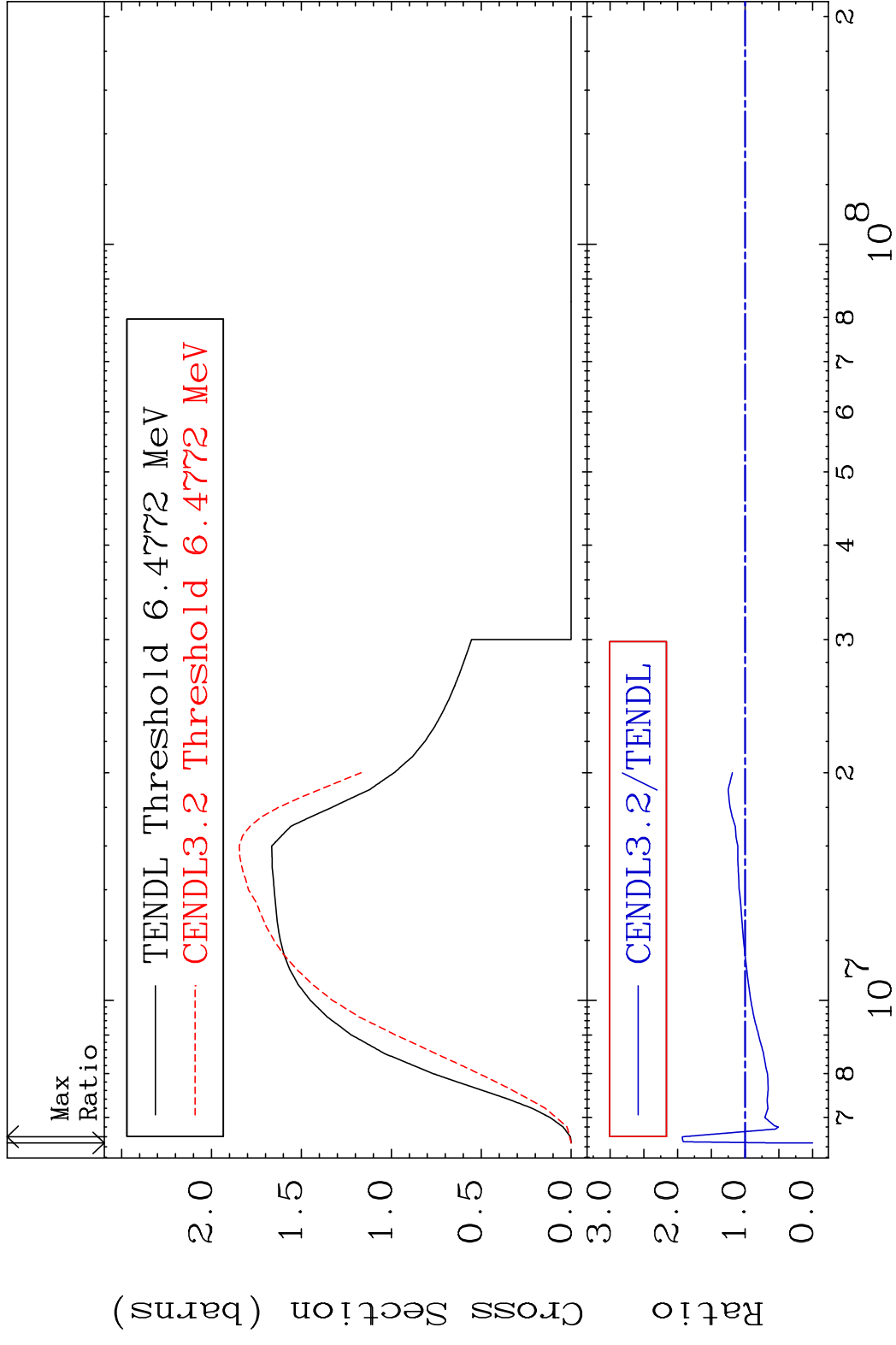


3

Incident Energy (eV)

64-Gd-155

MAT 6434 (n,2n) 64-Gd-155  
 Cross Section -100.0 To 92.84 %



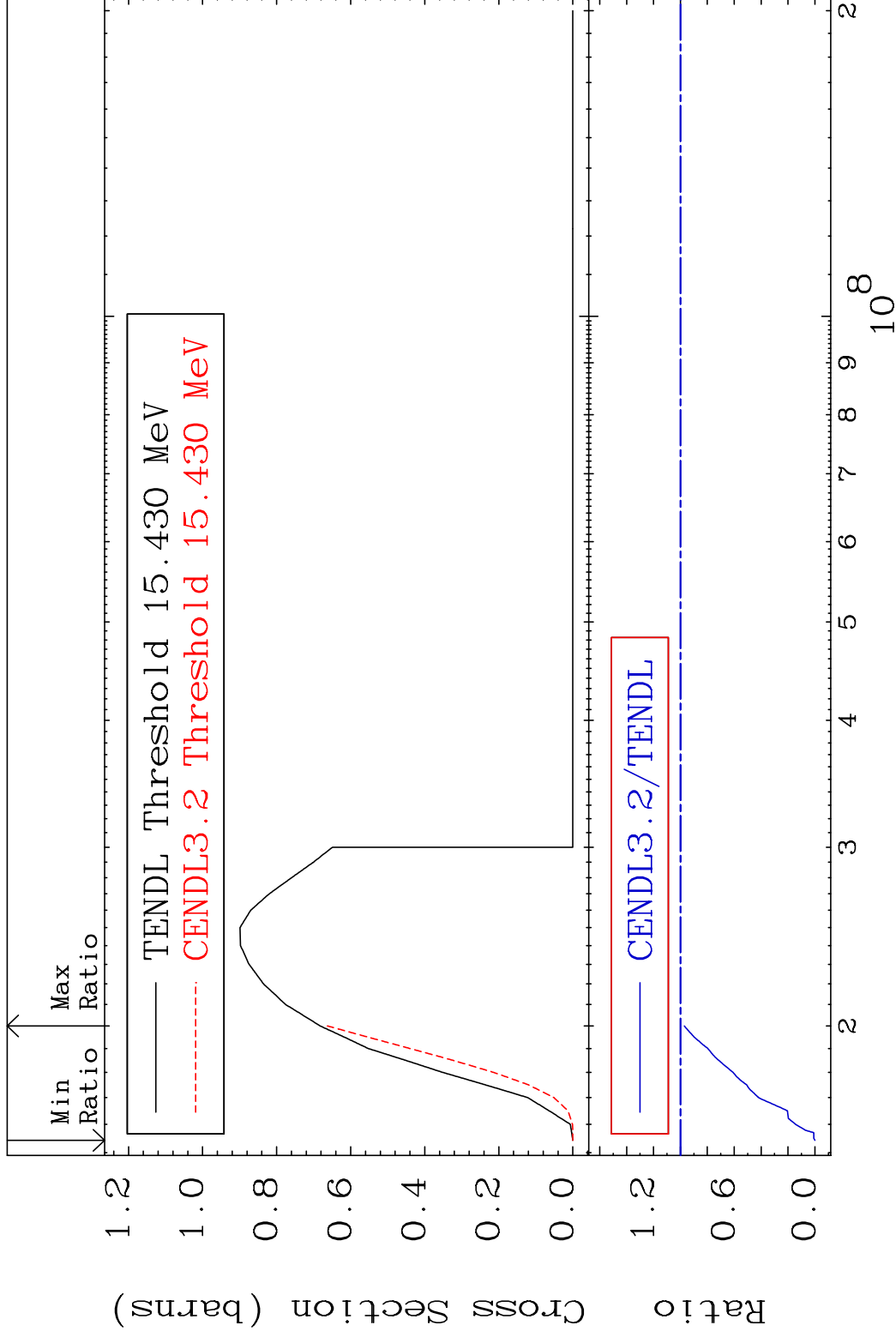
4 Incident Energy (eV) 64-Gd-155

MAT 6434

(n,3n)

64-Gd-155

Cross Section -100.0 To -2.890%



5

Incident Energy (eV)

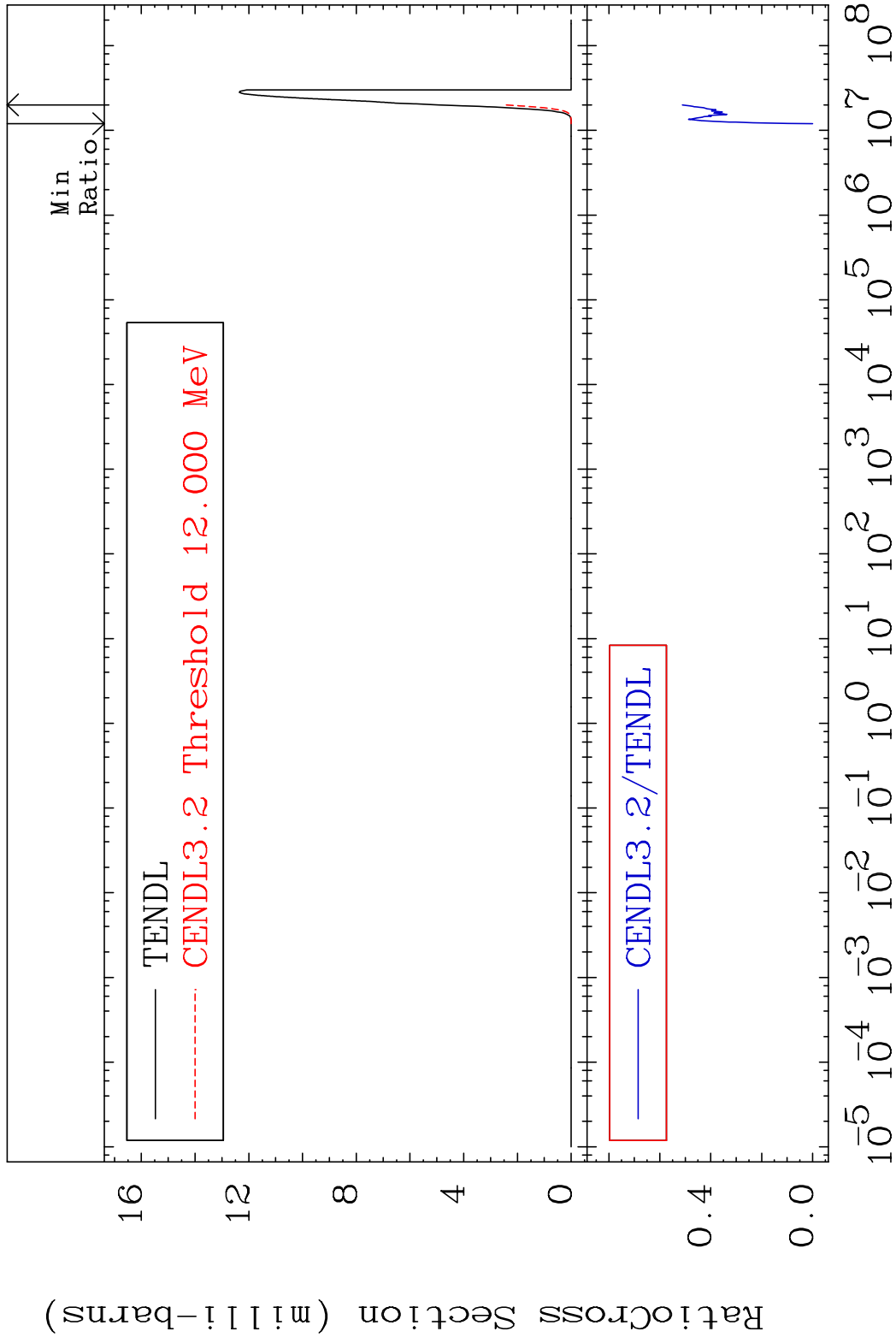
64-Gd-155

MAT 6434

(n, n')  $\alpha$

64-Gd-155

Cross Section -100.0 To -48.86%



6

Incident Energy (eV)

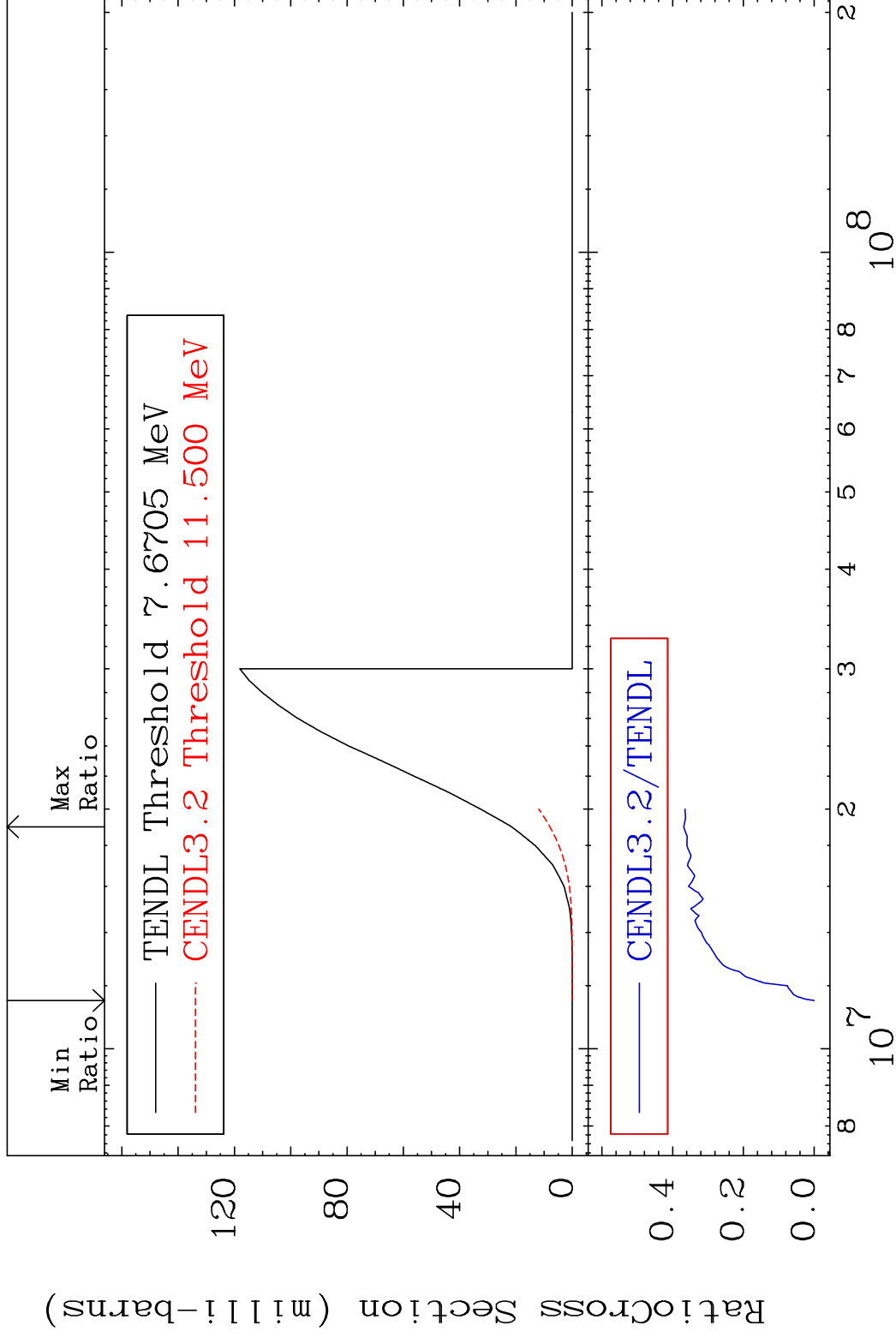
64-Gd-155

MAT 6434

(n, n') p

64-Gd-155

Cross Section -100.0 To -63.12%



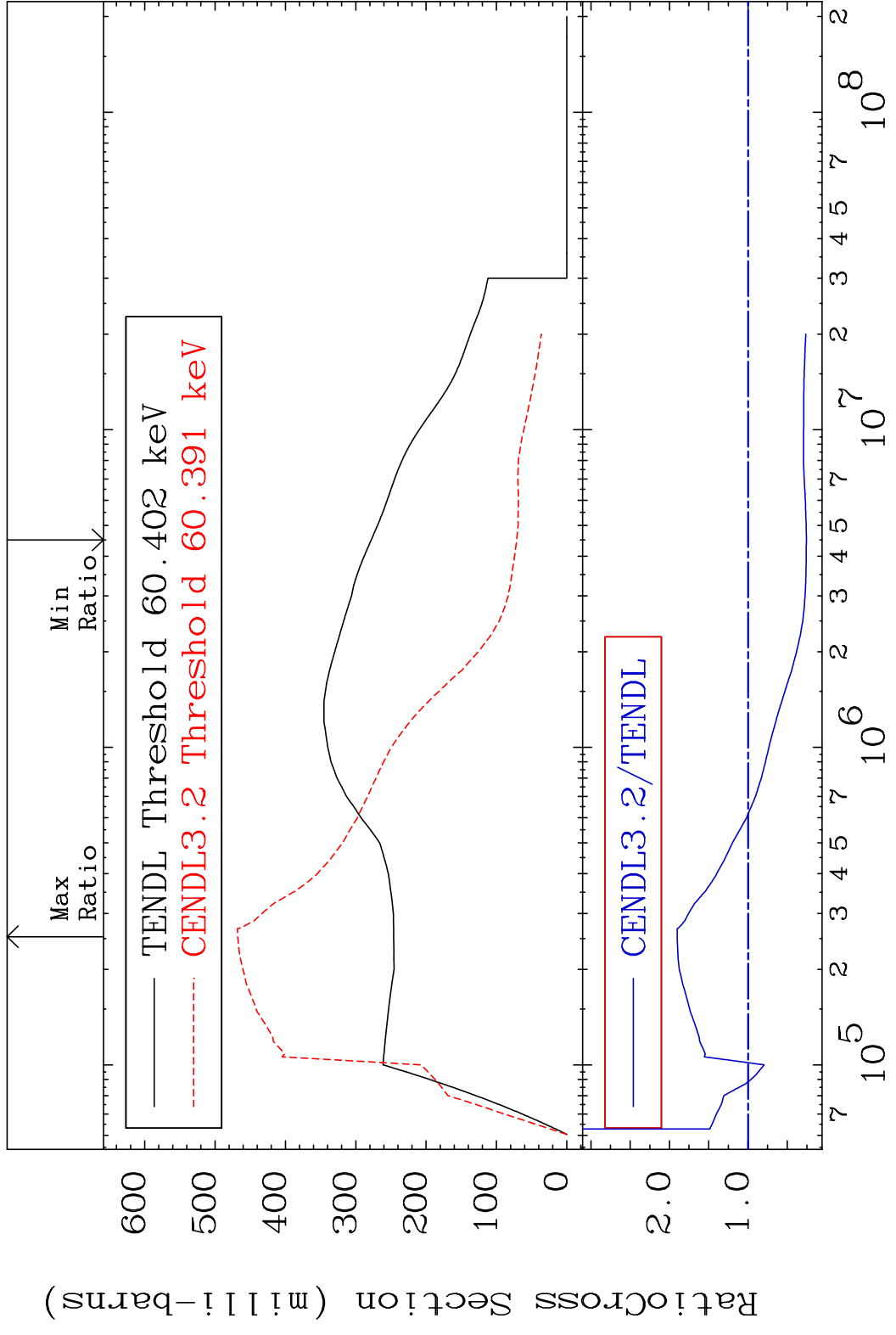
7

Incident Energy (eV)

64-Gd-155

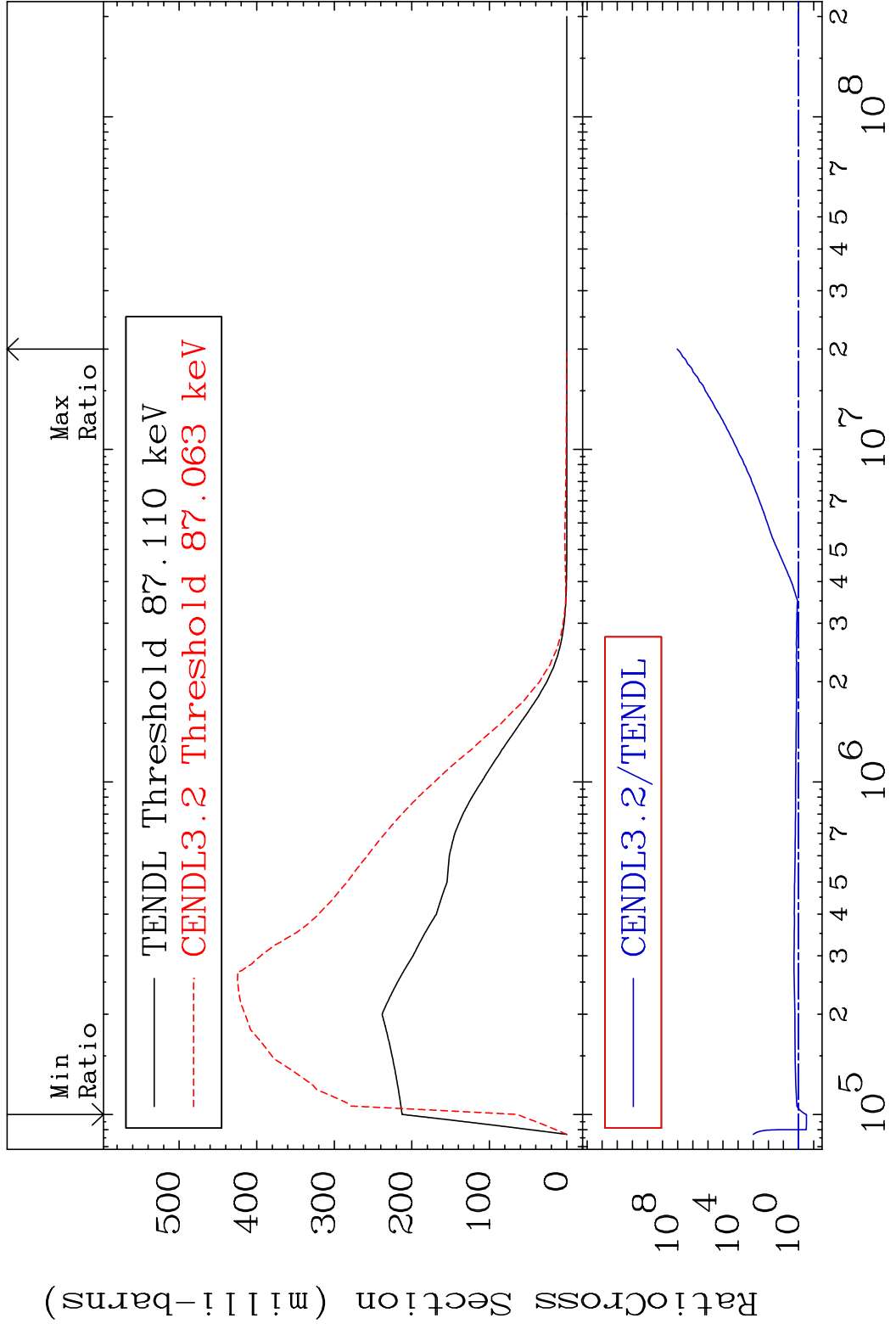


MAT 6434 MT= 51 (n, n') Level 64-Gd-155  
 Cross Section -74.39 To 90.12 %

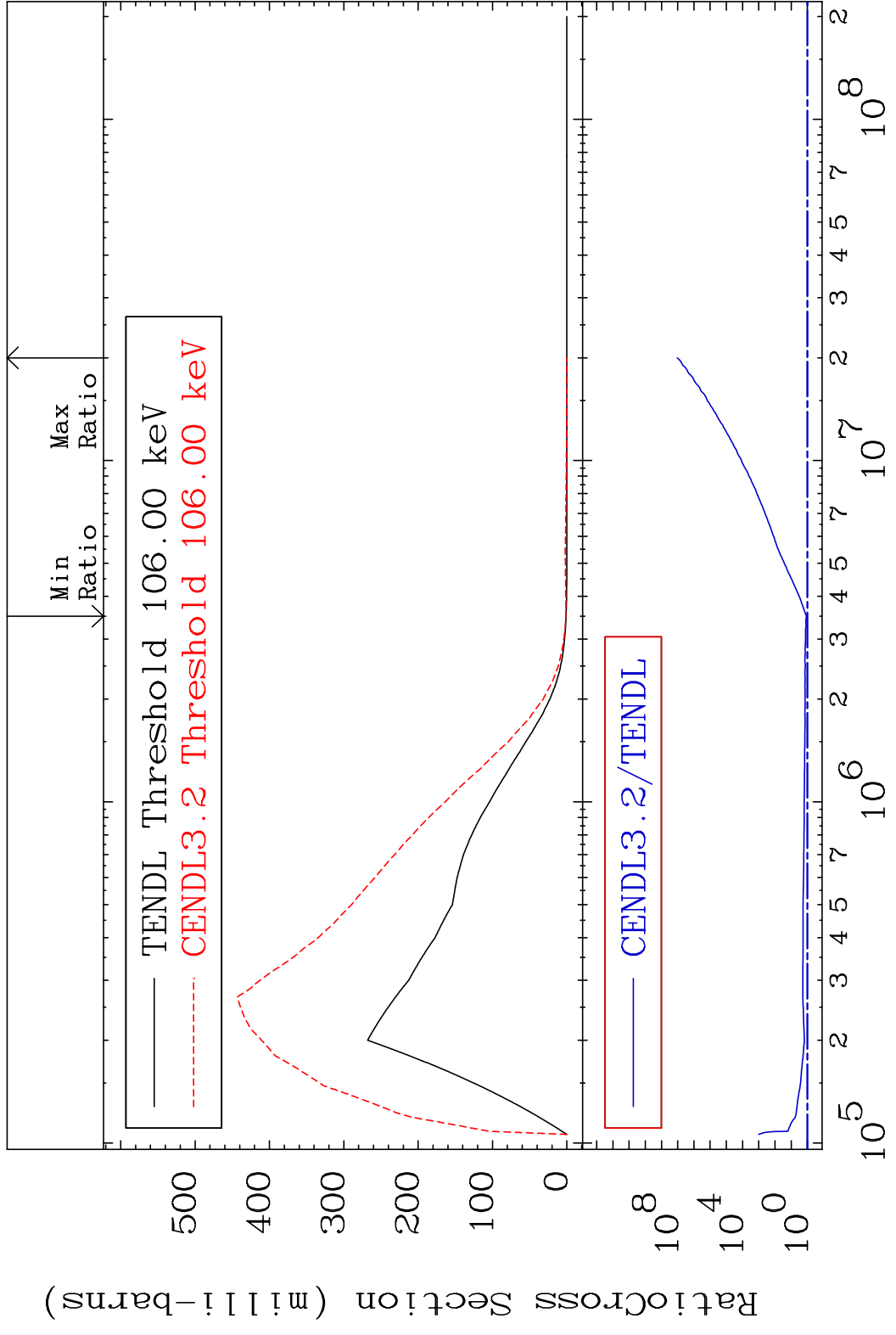


8 Incident Energy (eV) 64-Gd-155

MAT 6434 MT= 52 (n,n') Level 64-Gd-155  
 Cross Section -69.72 To 9999. %

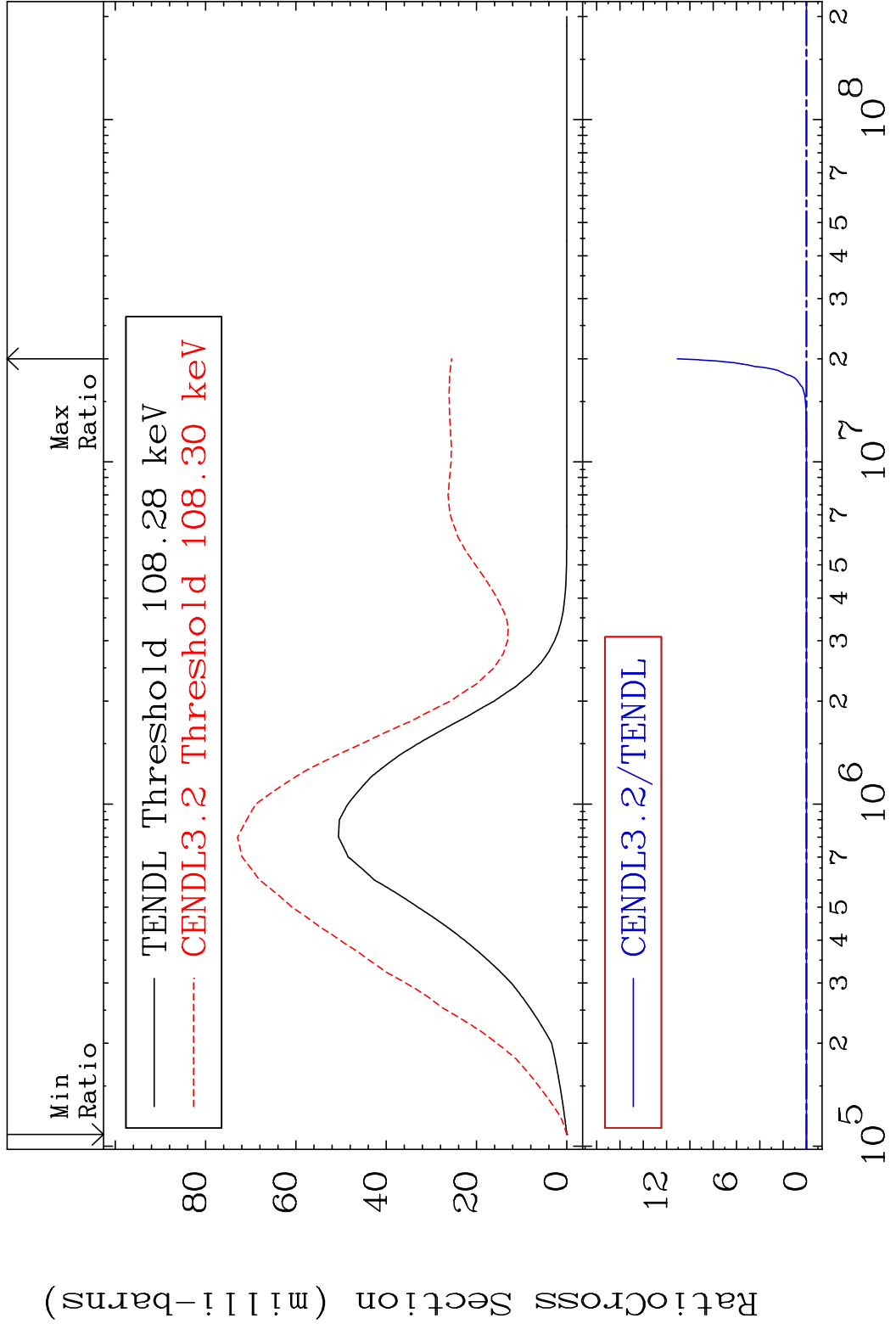


MAT 6434 MT= 53 (n, n') Level 64-Gd-155  
 Cross Section 15.92 To 9999. %

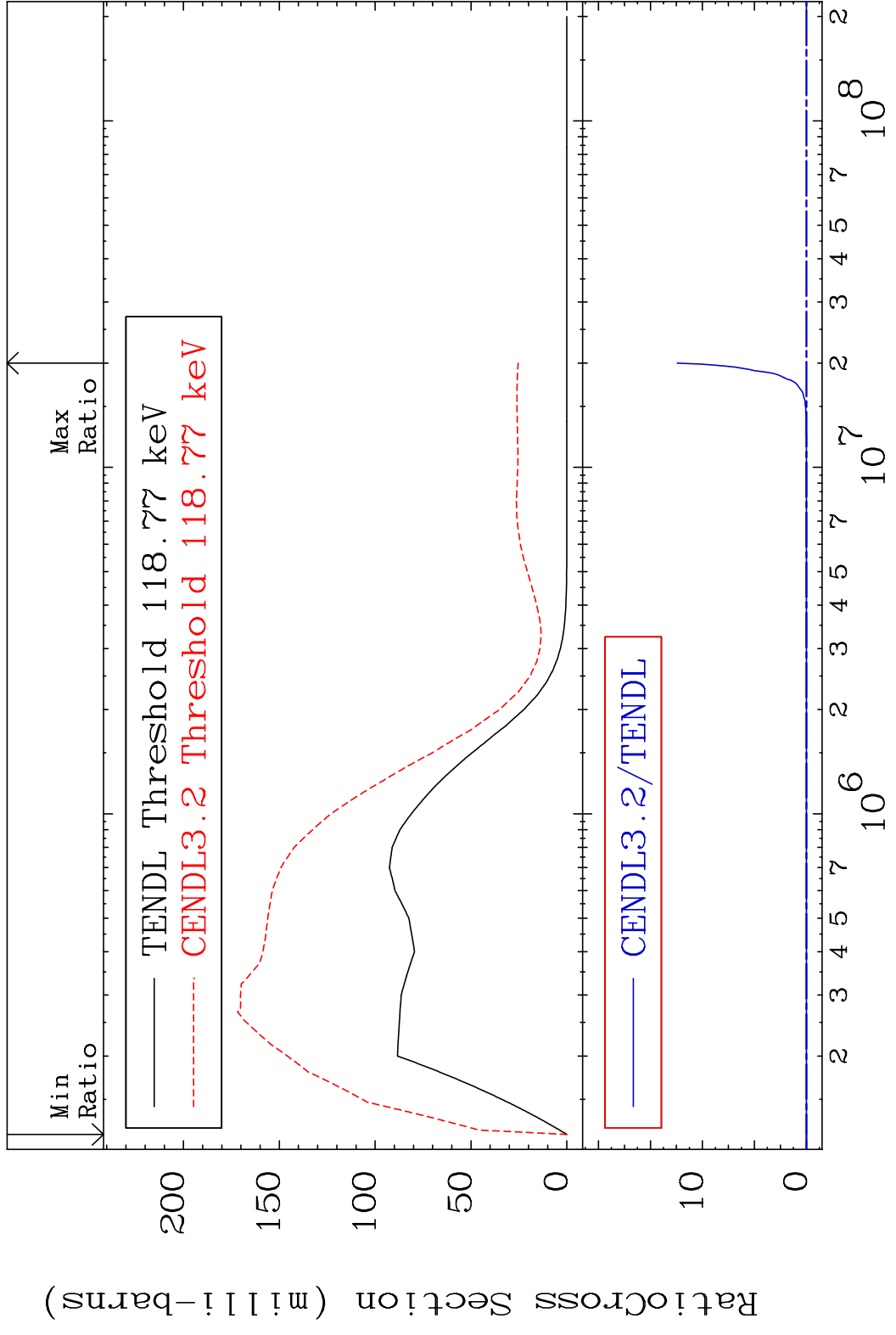


10 Incident Energy (eV) 64-Gd-155

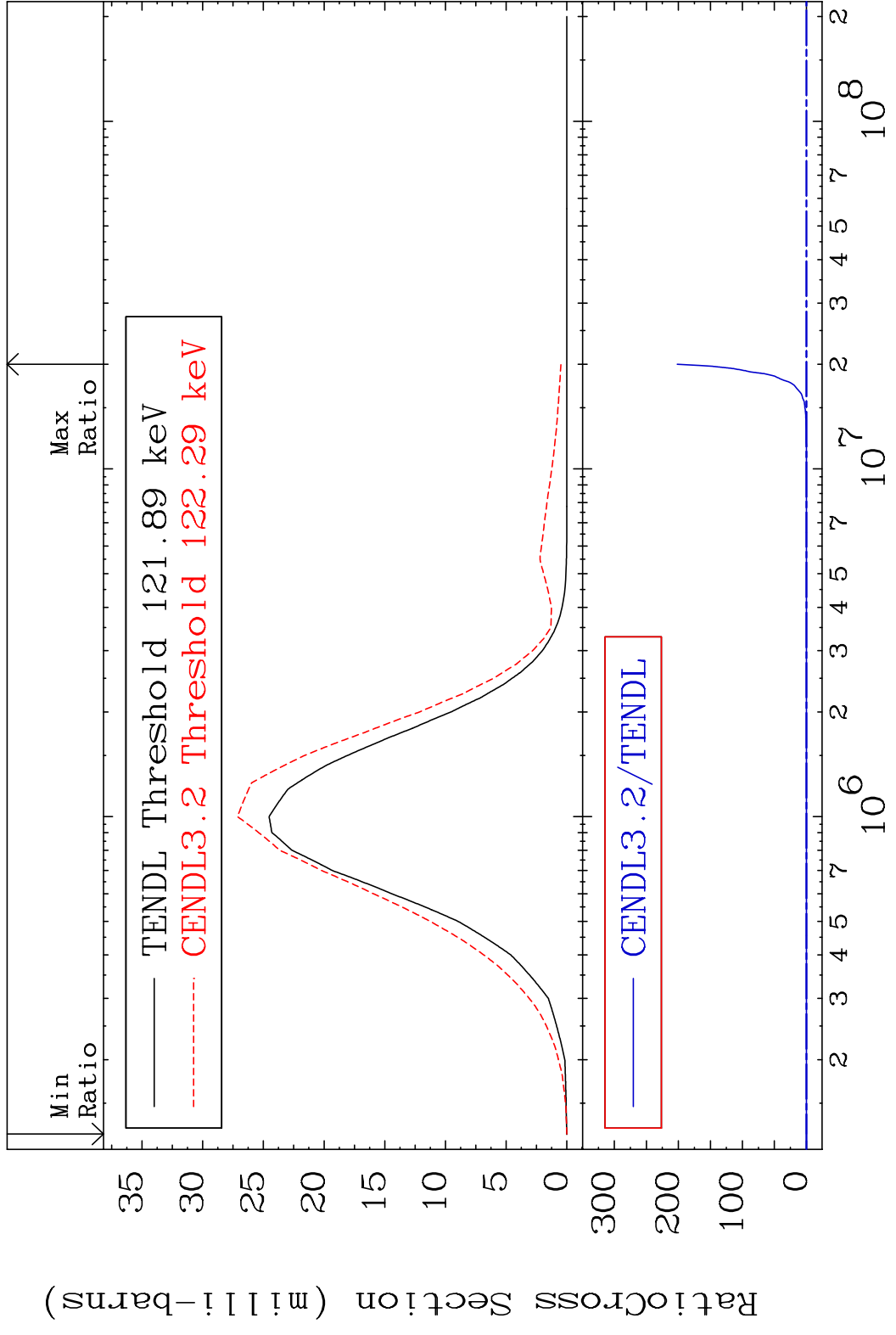
MAT 6434 MT= 54 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



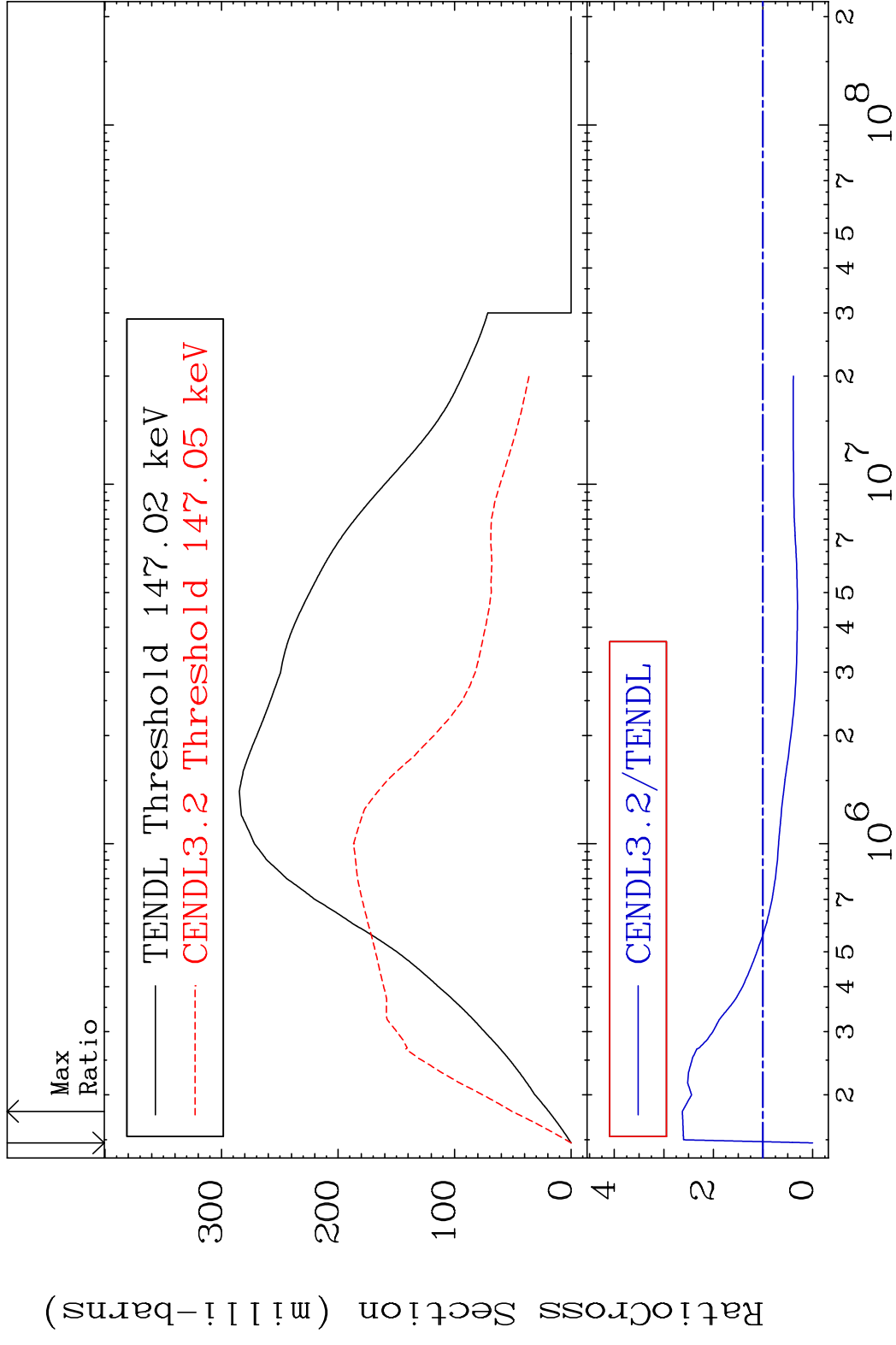
MAT 6434 MT= 55 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



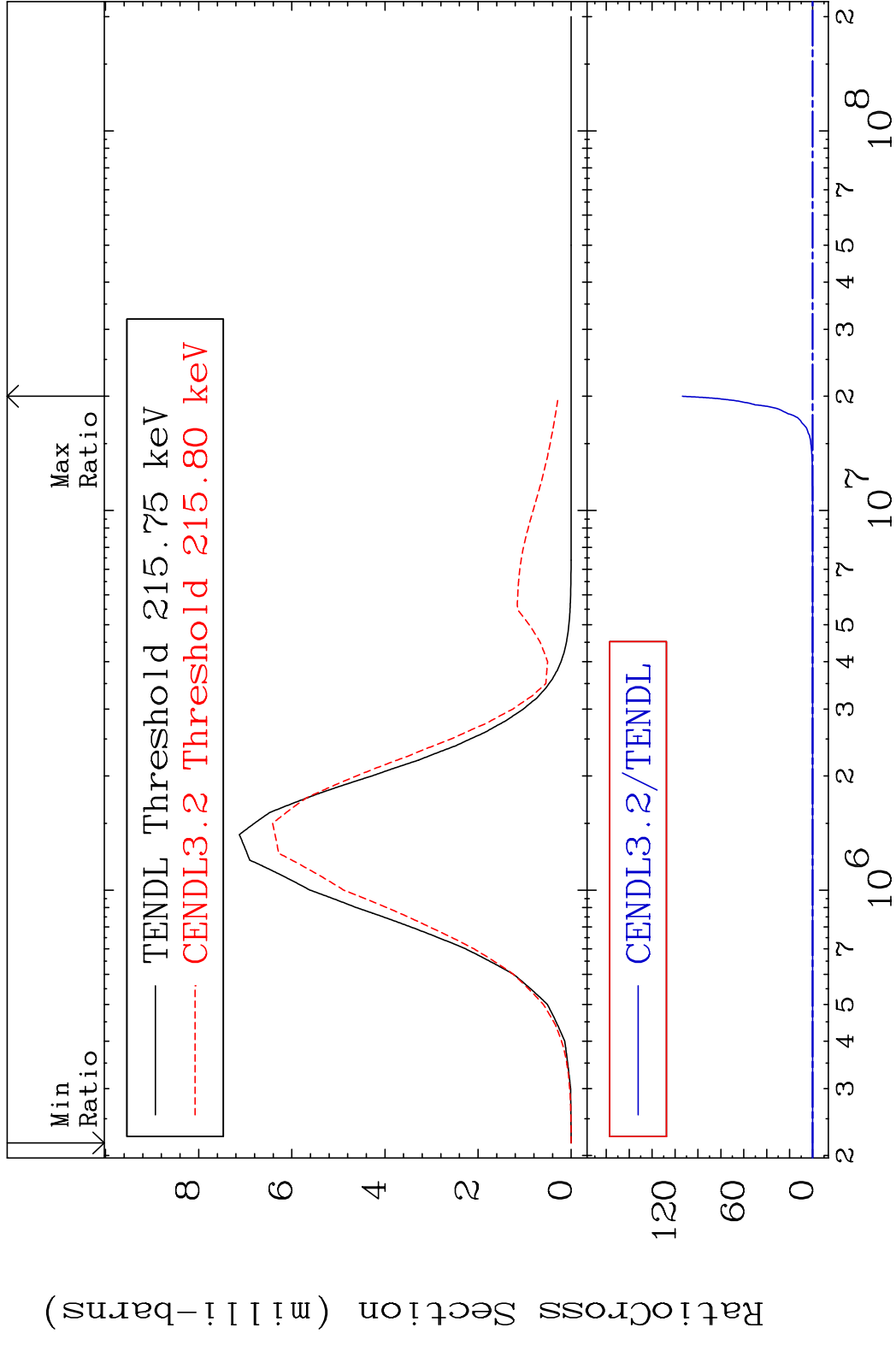
MAT 6434 MT= 56 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



MAT 6434 MT= 57 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 162.7 %

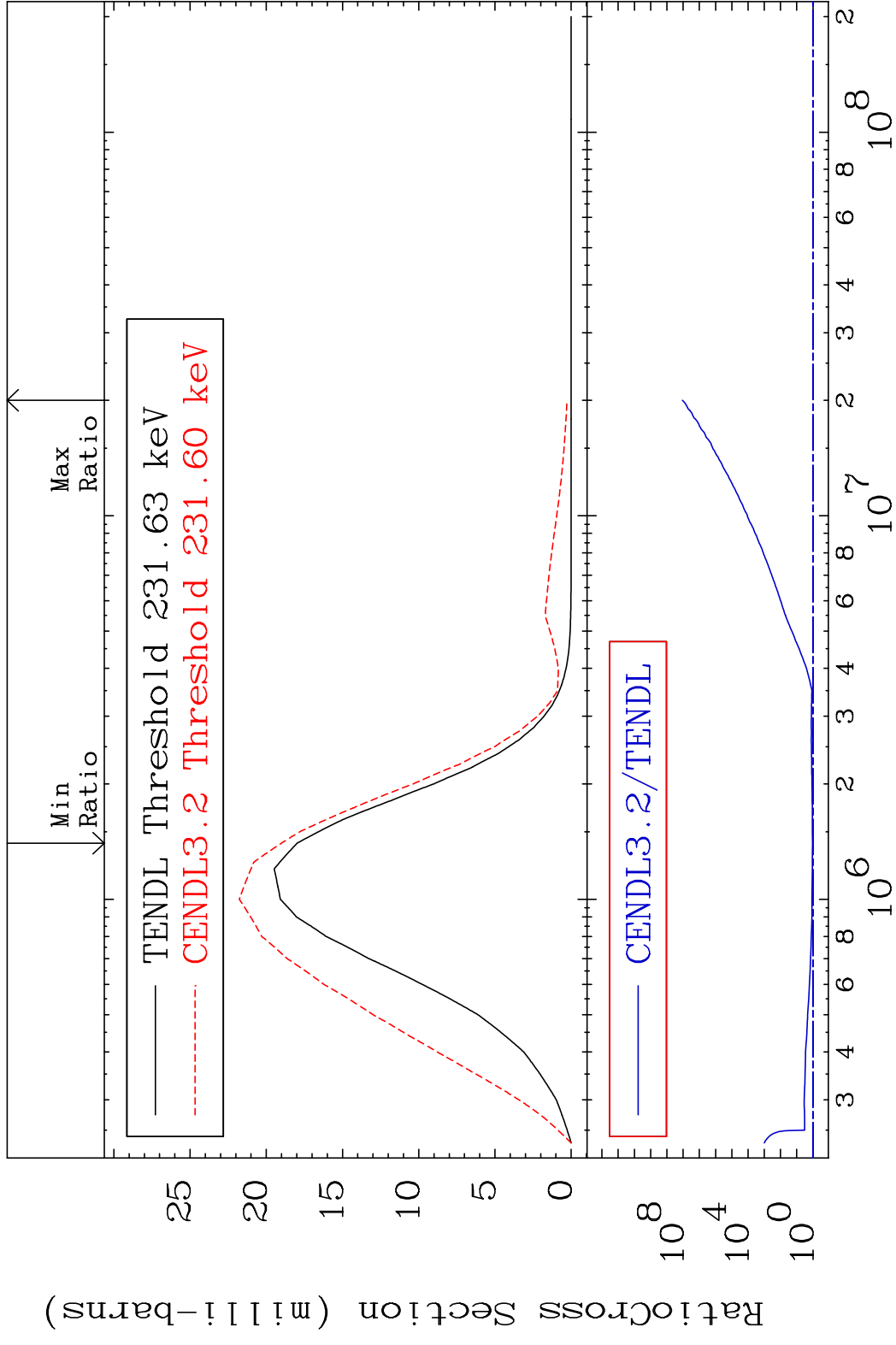


MAT 6434 MT= 58 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %

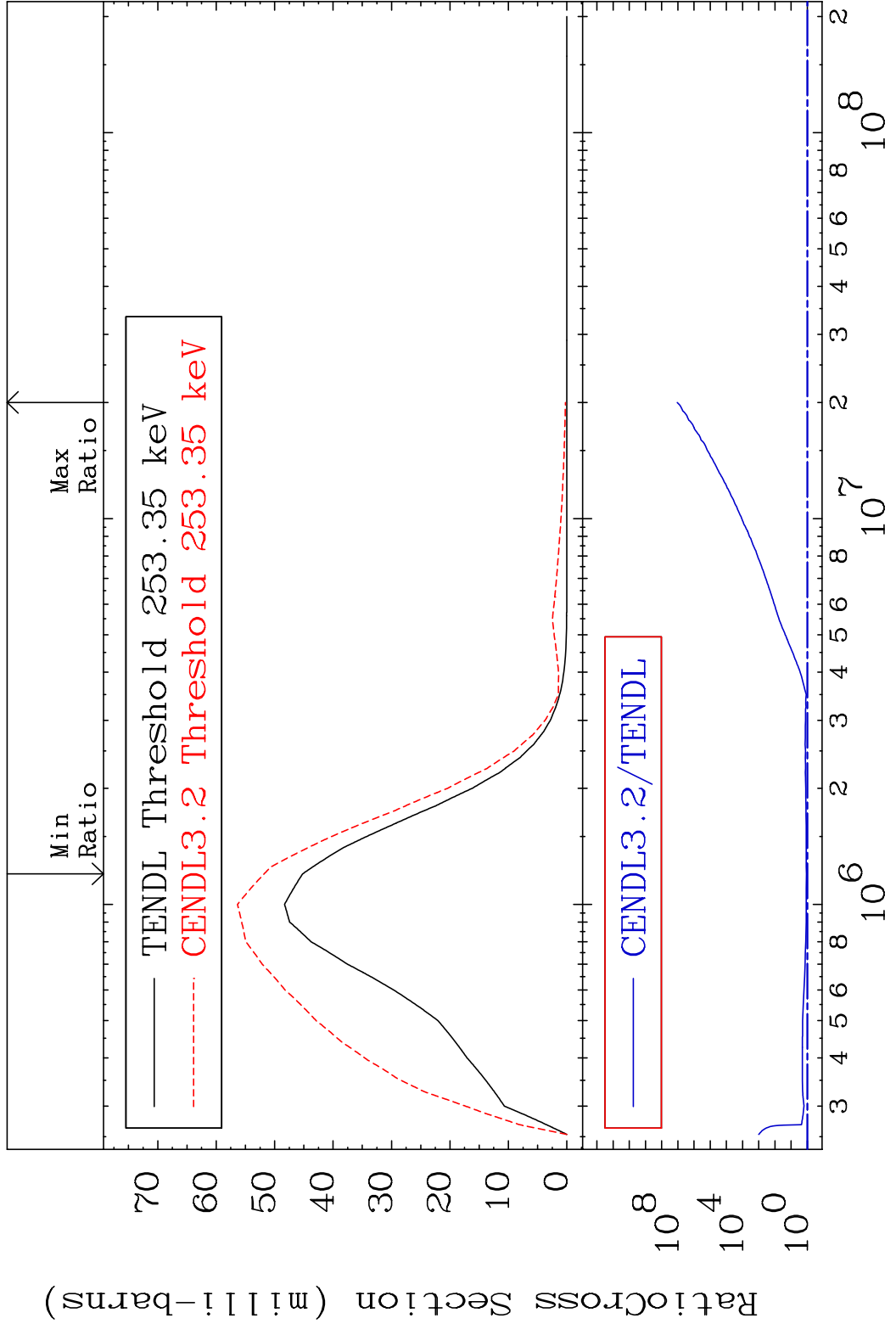




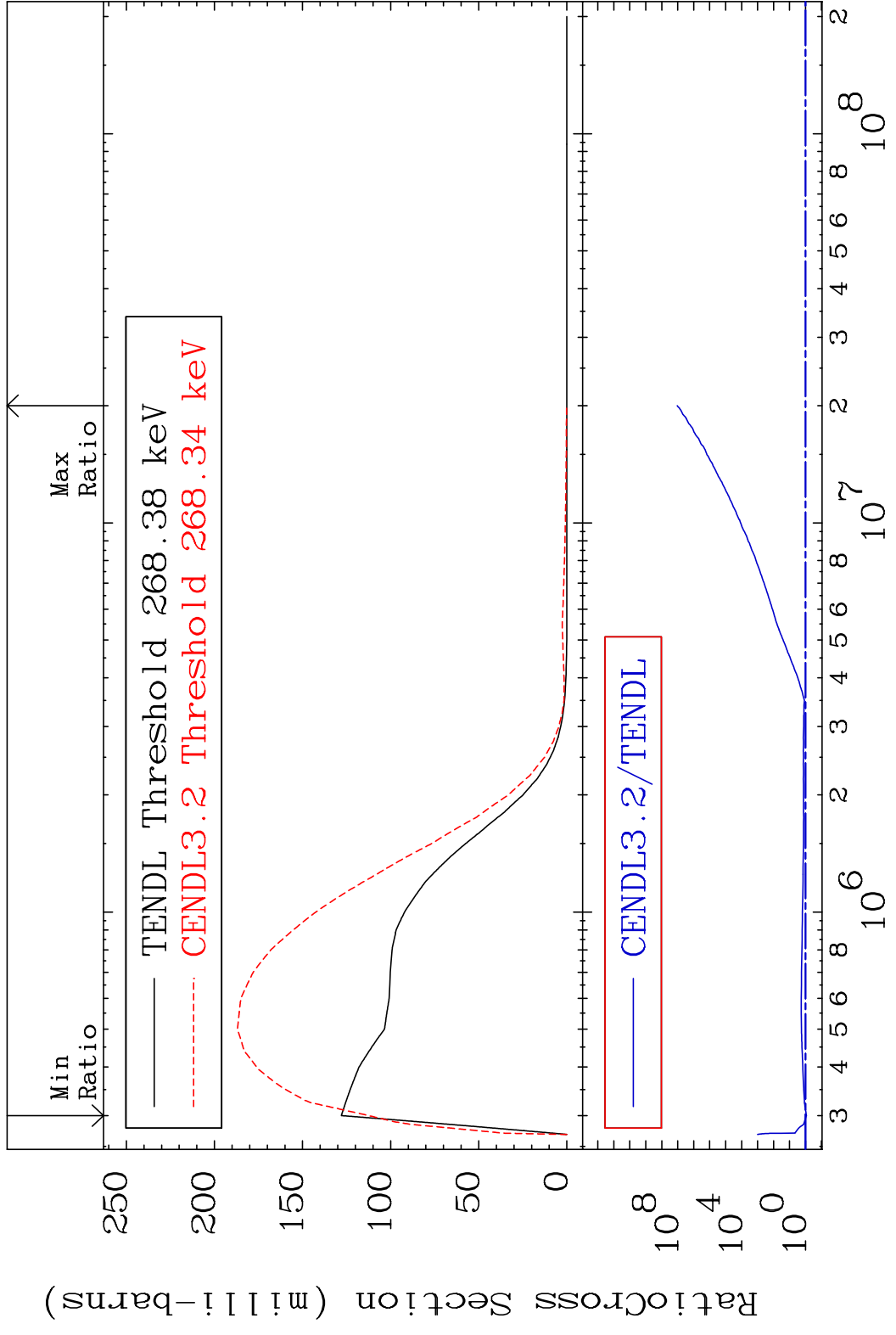
MAT 6434 MT= 59 (n, n') Level 64-Gd-155  
 Cross Section 5.728 To 9999. %



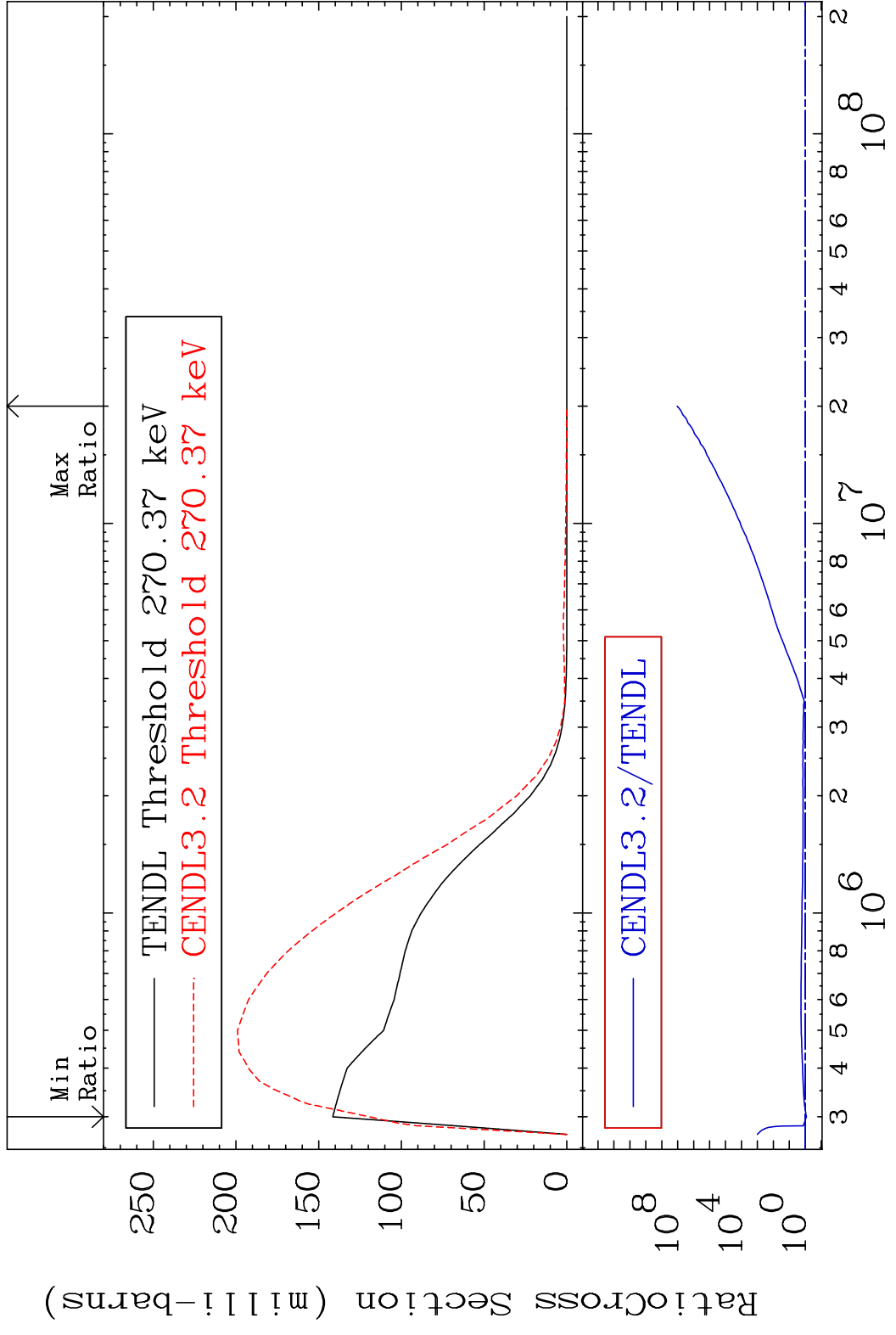
MAT 6434 MT= 60 (n, n') Level 64-Gd-155  
 Cross Section 14.57 To 9999. %



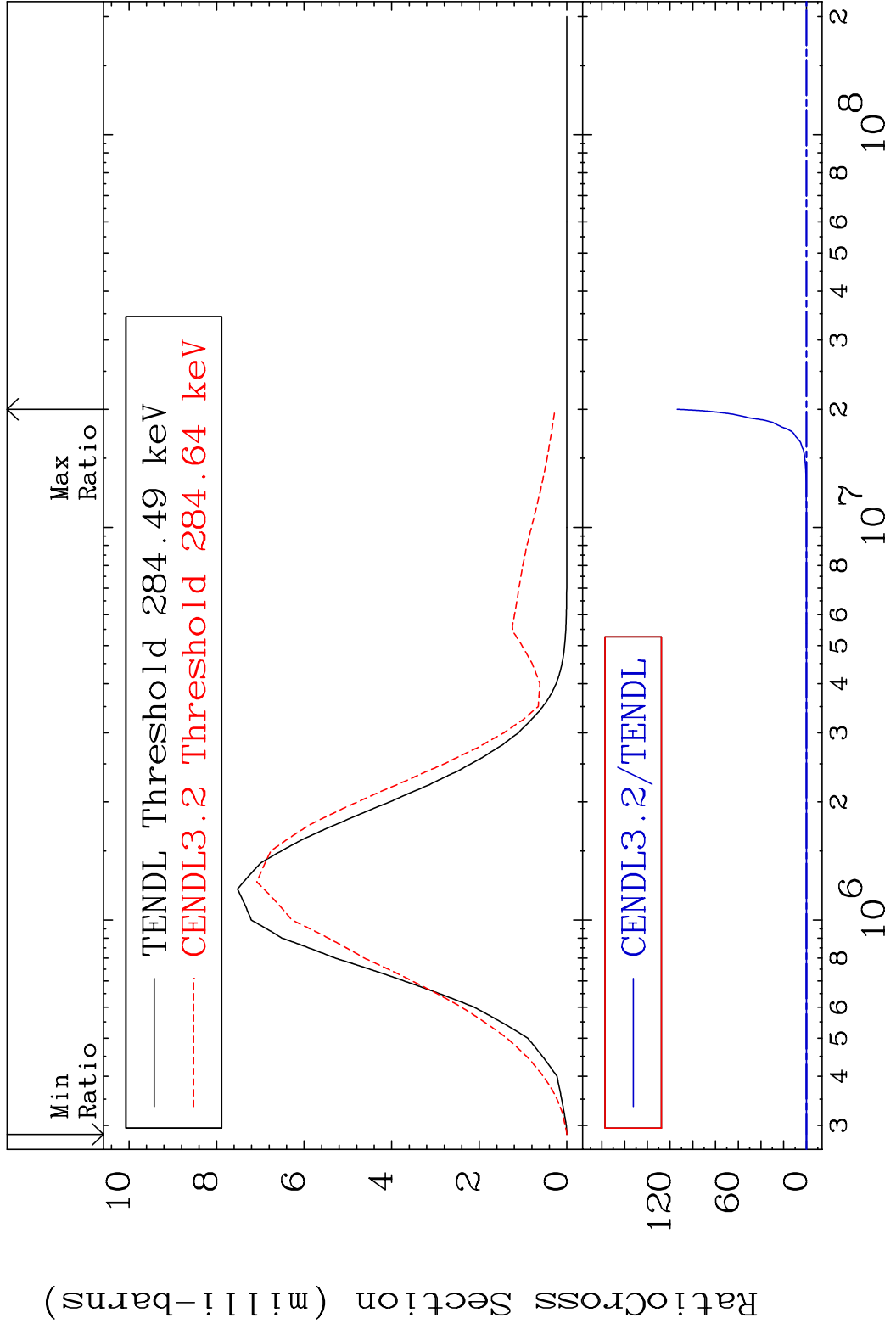
MAT 6434 MT= 61 (n,n') Level 64-Gd-155  
 Cross Section -12.03 To 9999. %



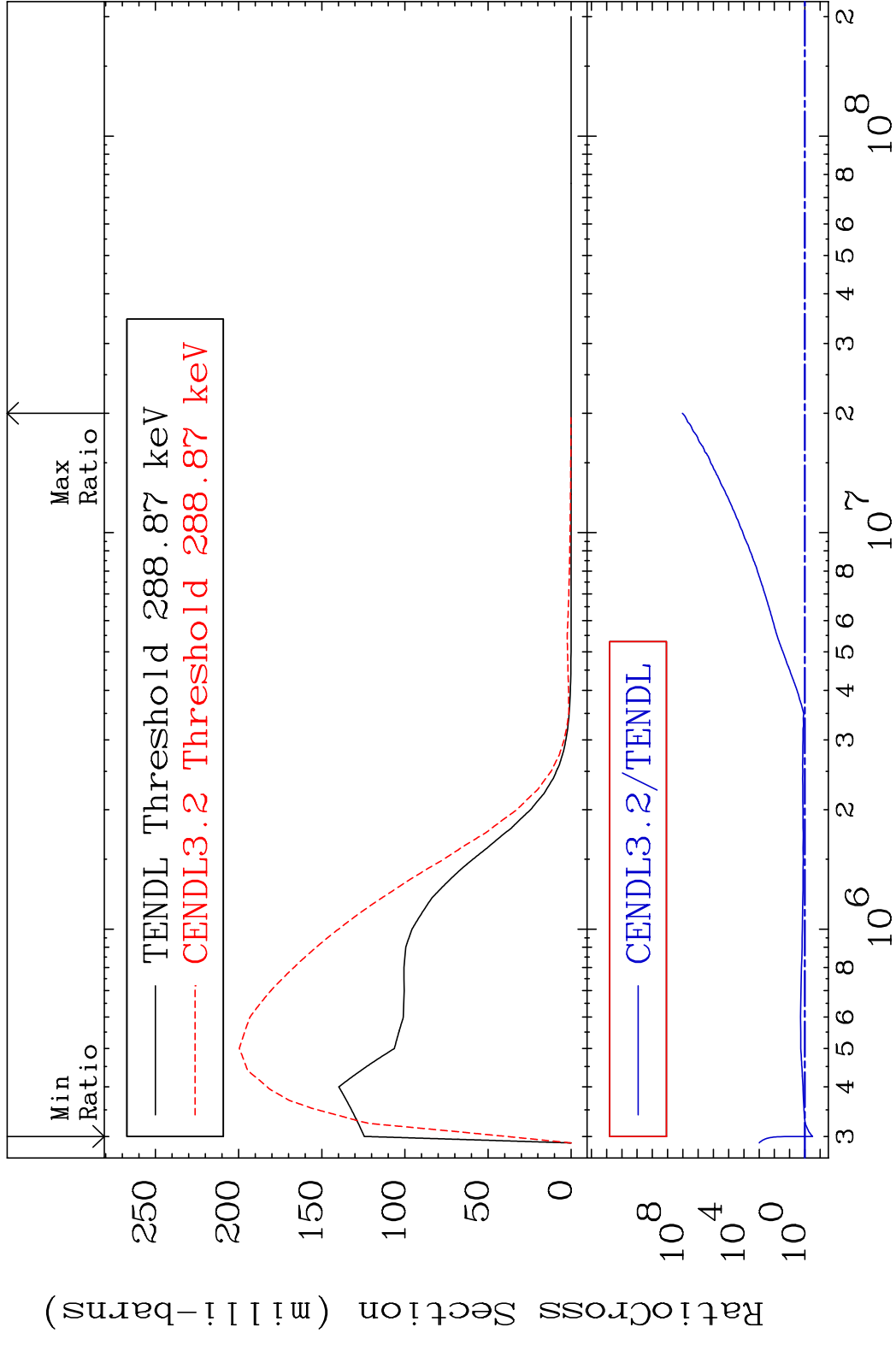
MAT 6434 MT= 62 (n,n') Level 64-Gd-155  
 Cross Section -15.72 To 9999. %



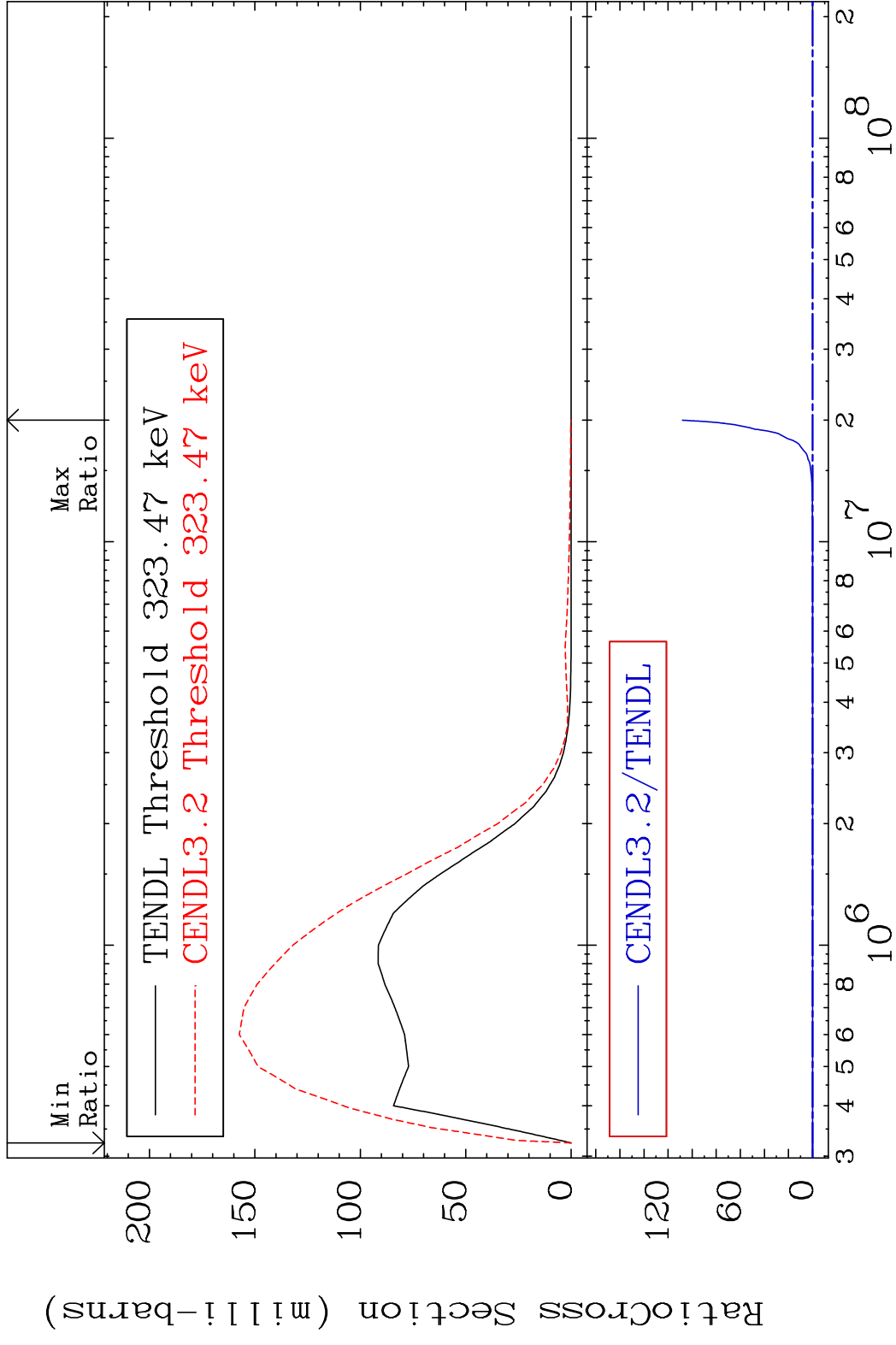
MAT 6434 MT= 63 (n, n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



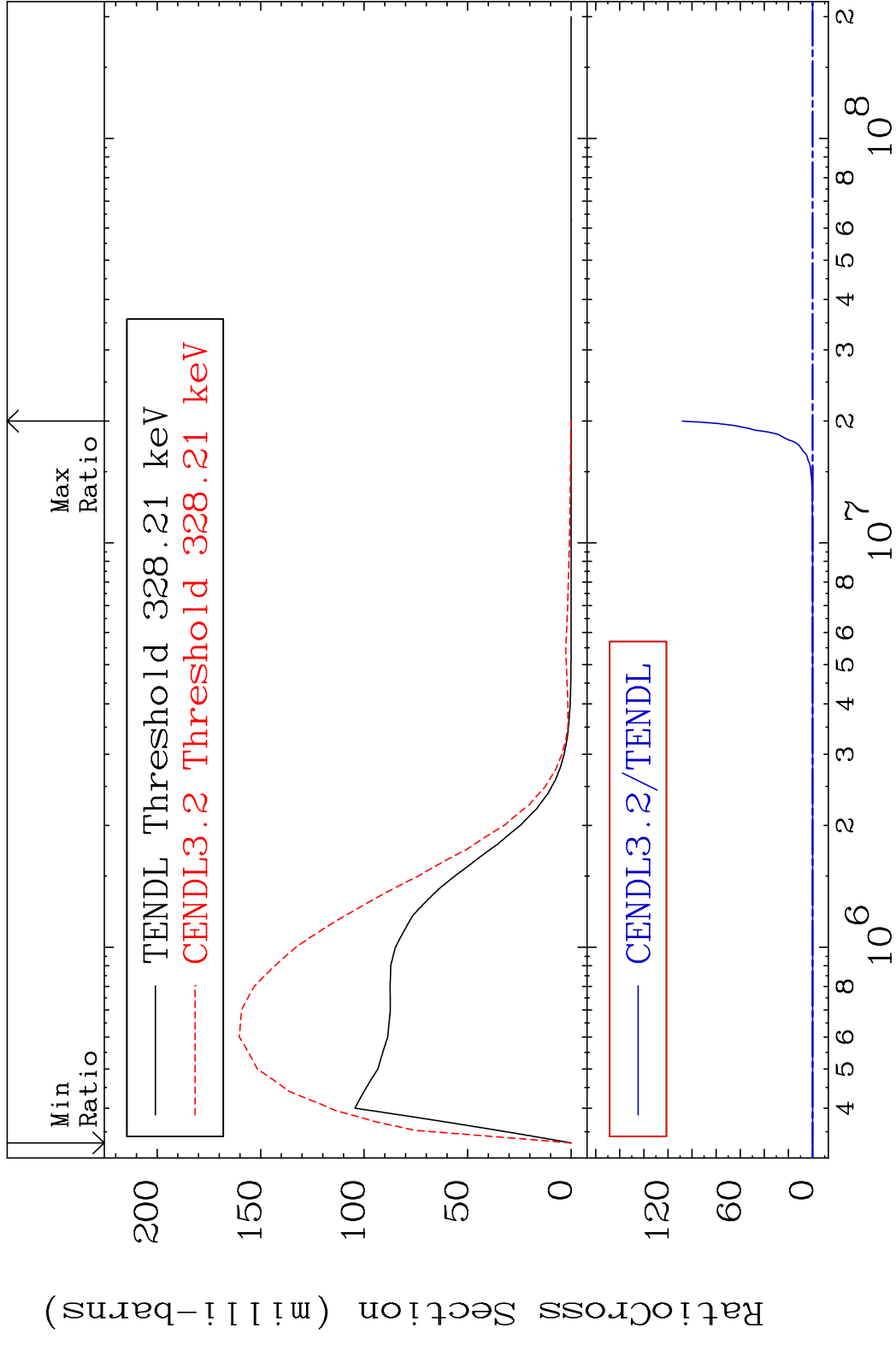
MAT 6434 MT= 64 (n,n') Level 64-Gd-155  
 Cross Section -68.56 To 9999. %



MAT 6434 MT= 65 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %

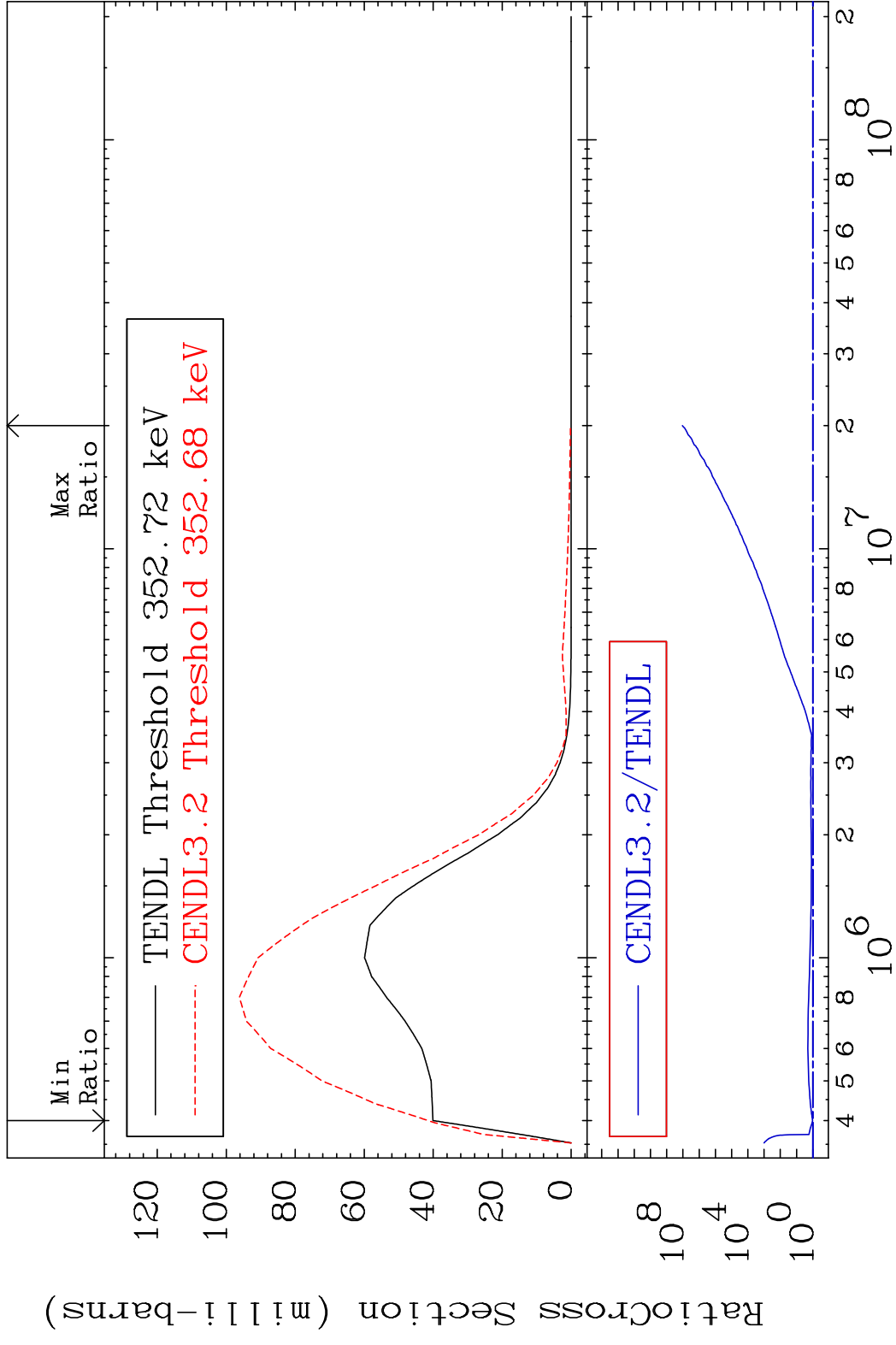


MAT 6434 MT= 66 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %

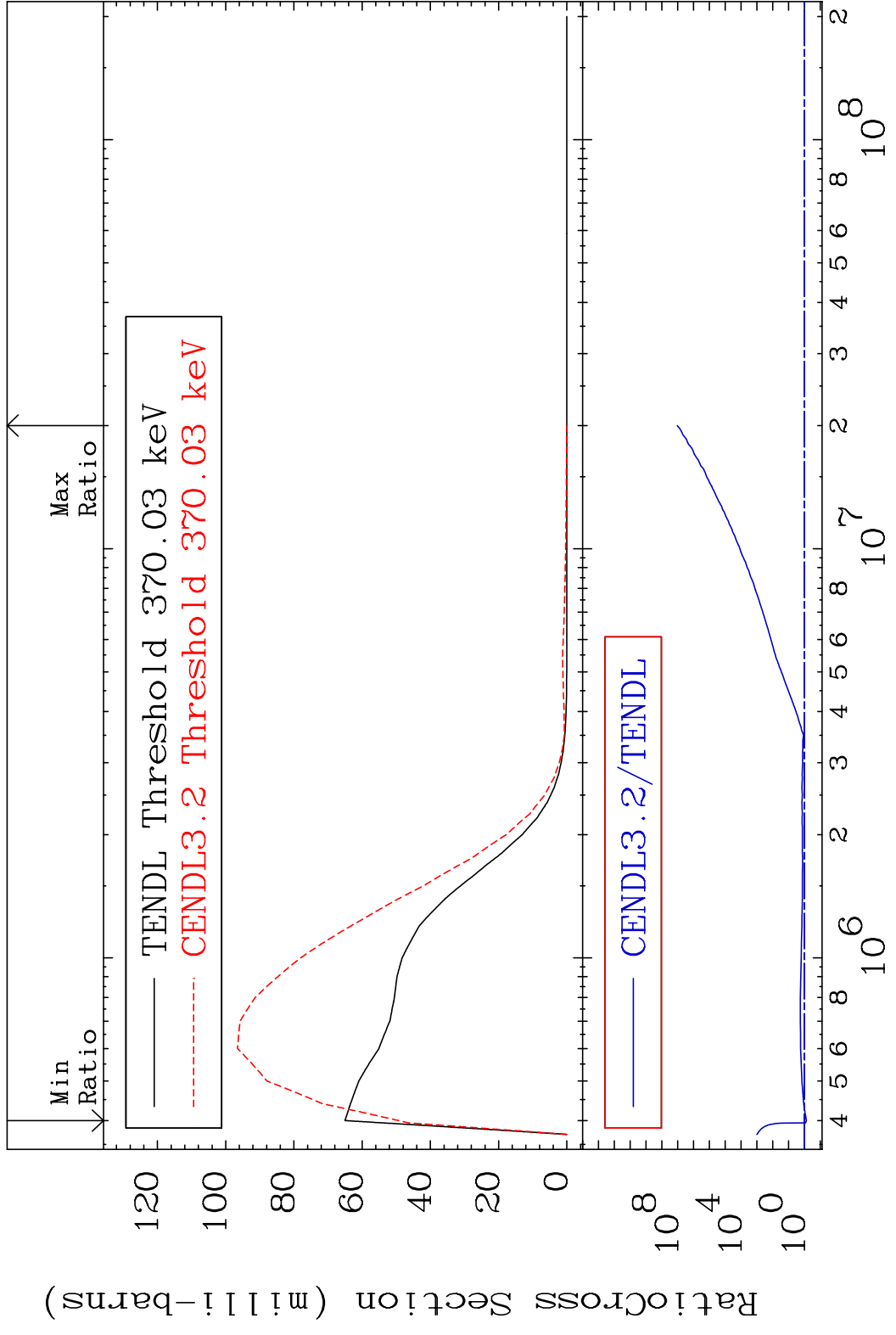




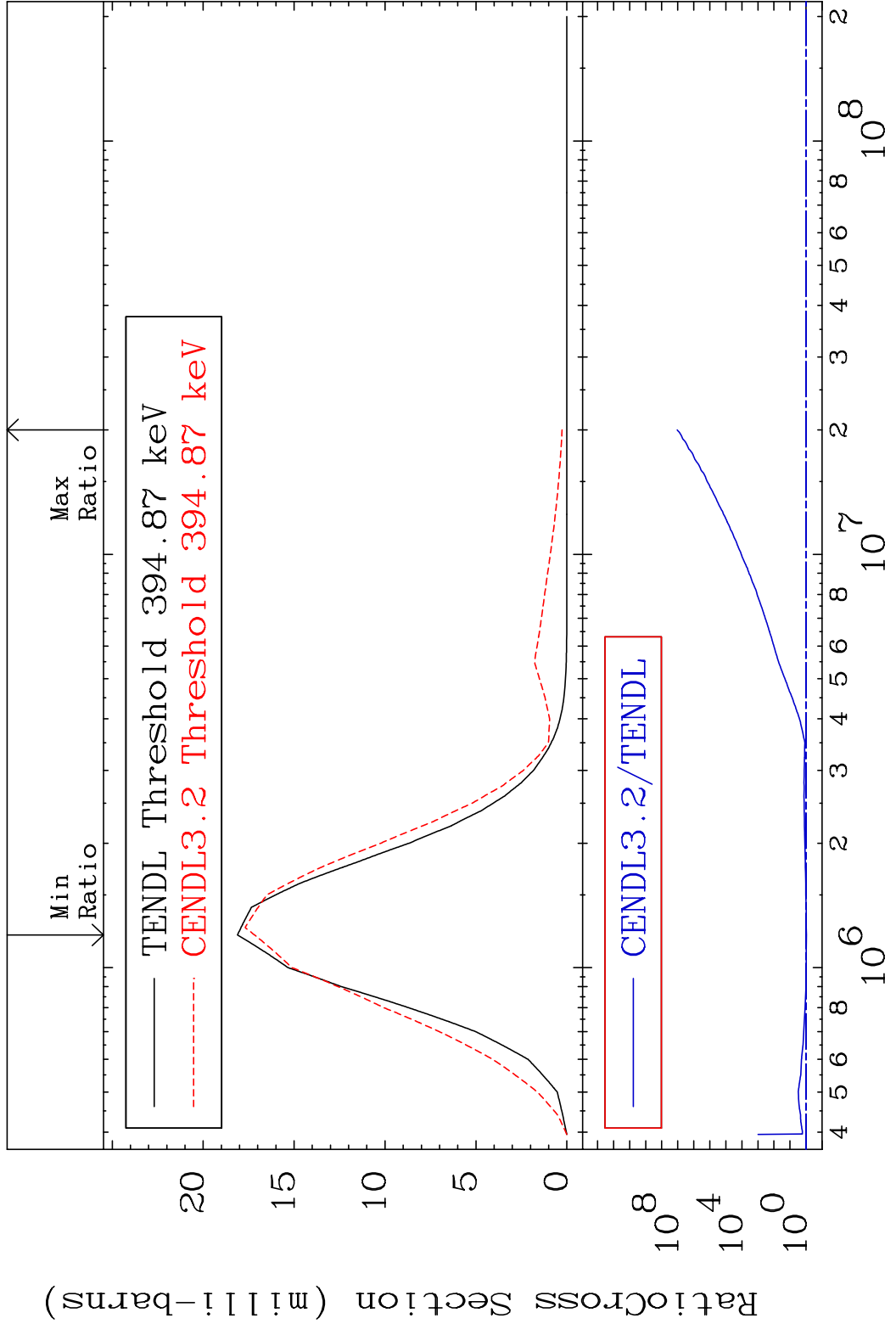
MAT 6434 MT= 67 (n, n') Level 64-Gd-155  
 Cross Section 3.530 To 9999. %



MAT 6434 MT= 68 (n,n') Level 64-Gd-155  
 Cross Section -24.20 To 9999. %



MAT 6434 MT= 69 (n, n') Level 64-Gd-155  
 Cross Section -5.148 To 9999. %

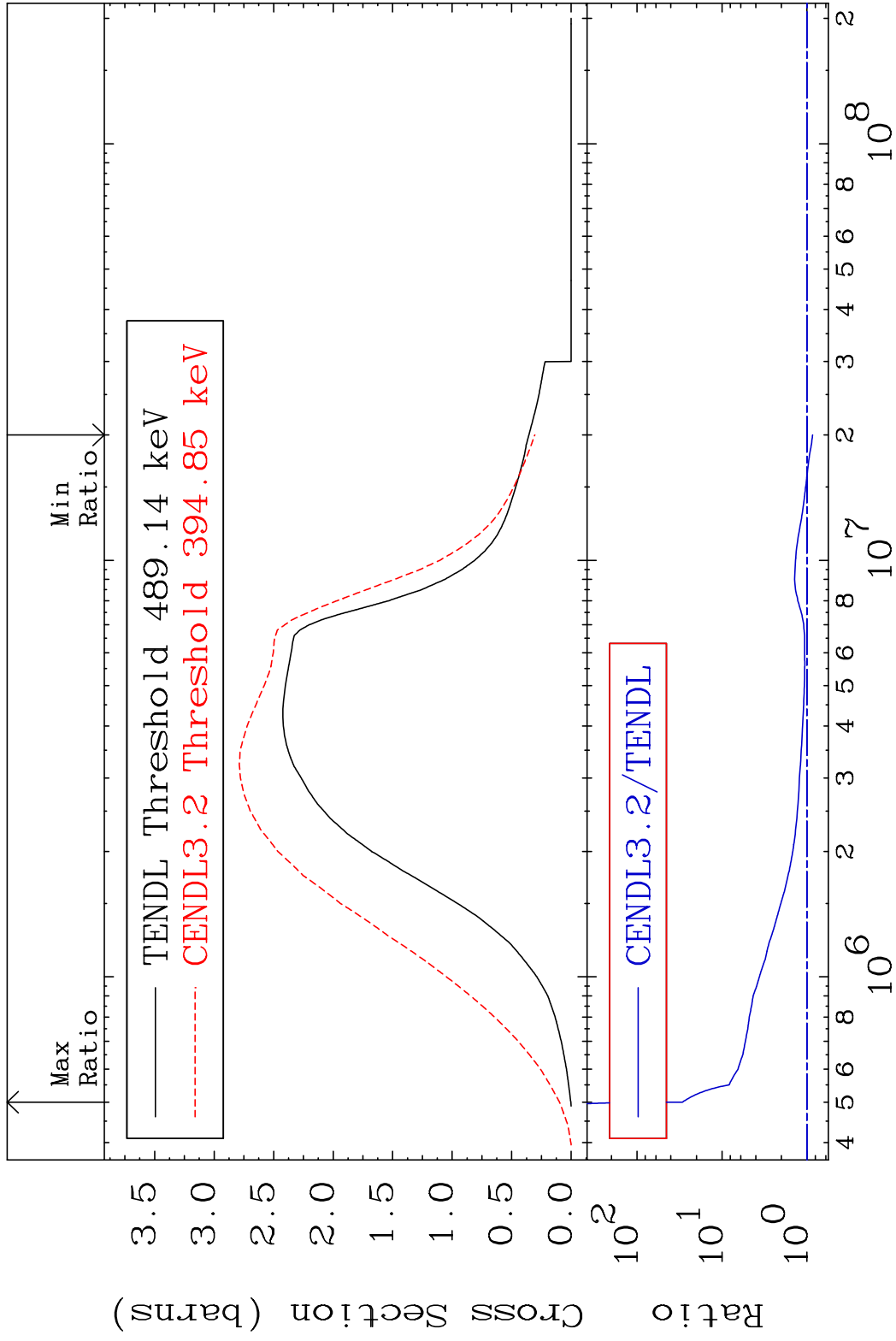


MAT 6434

(n, n') Continuum

64-Gd-155

Cross Section -13.98 To 2830. %

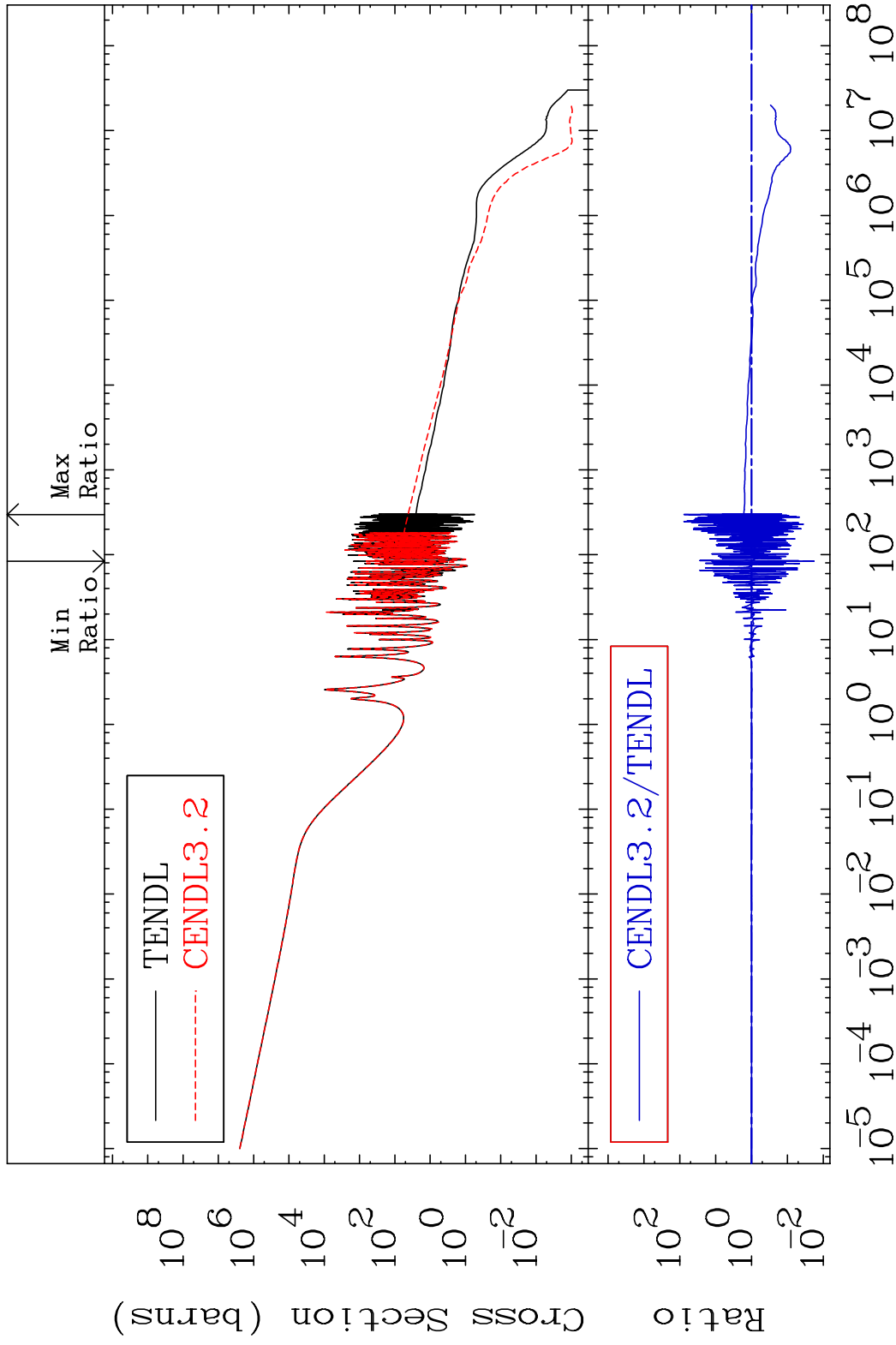


MAT 6434

(n,  $\gamma$ )

64-Gd-155

Cross Section -98.19 To 7696. %



28

Incident Energy (eV)

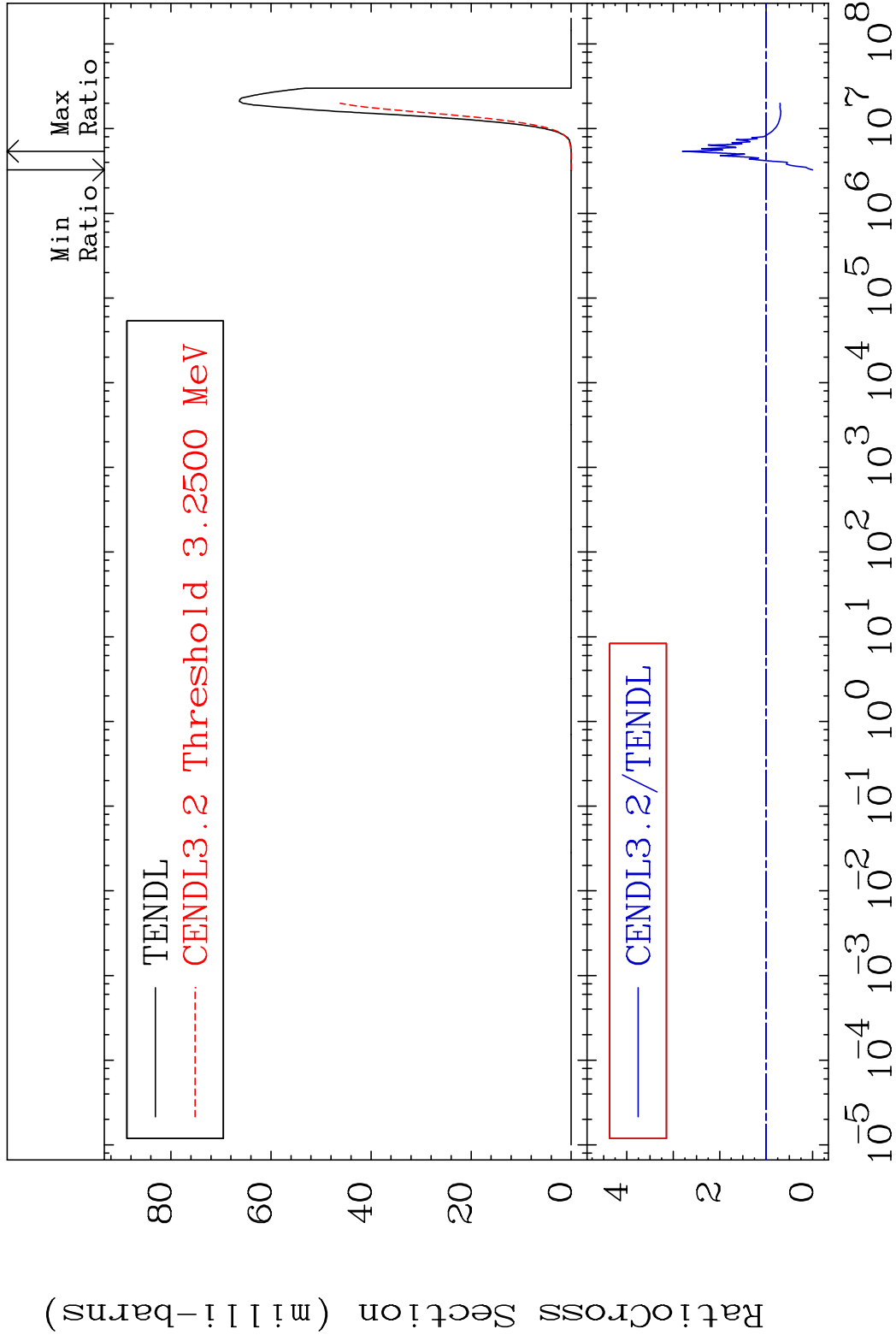
64-Gd-155

MAT 6434

(n, p)

64-Gd-155

Cross Section -100.0 To 180.4 %



29

Incident Energy (eV)

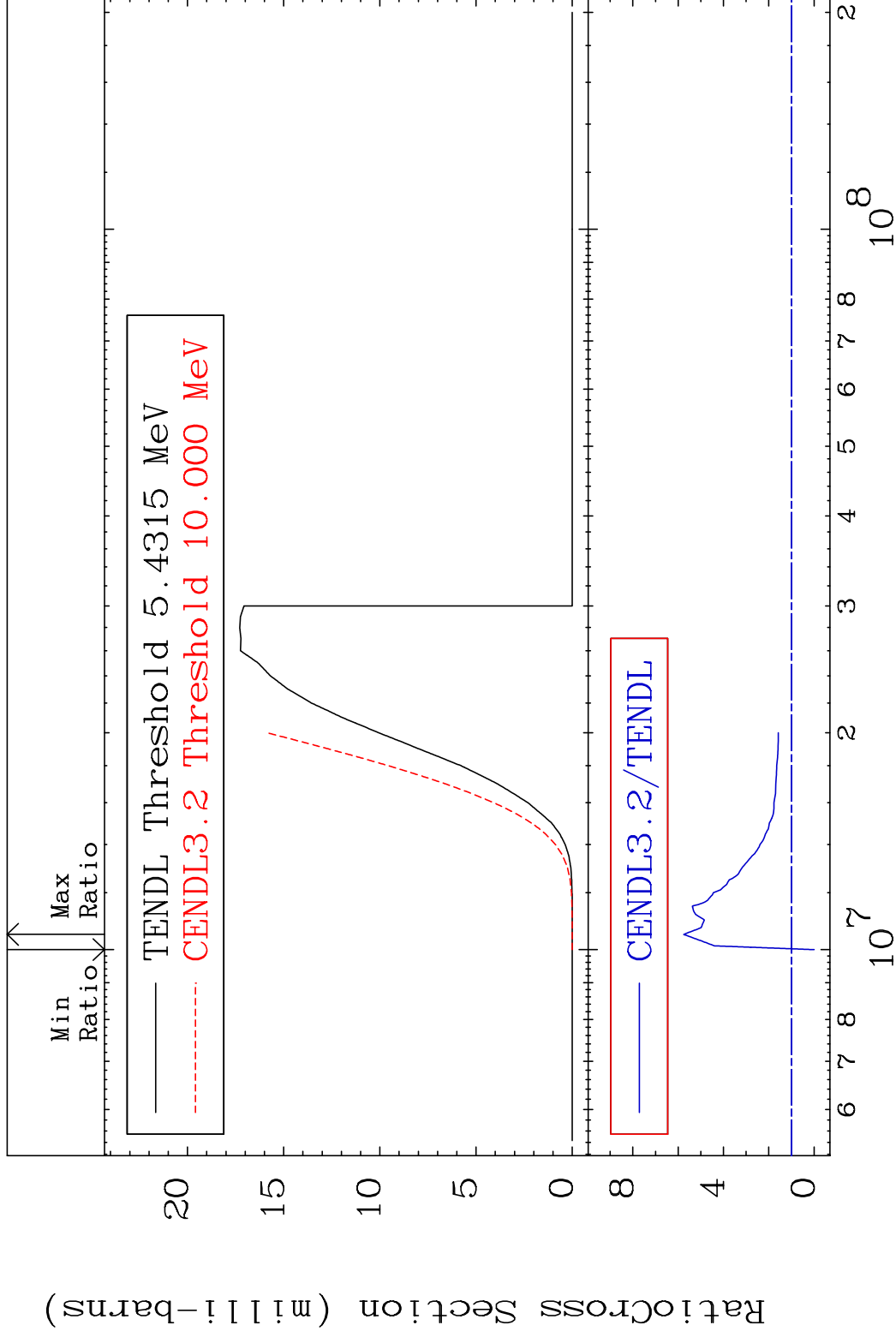
64-Gd-155

MAT 6434

(n, d)

64-Gd-155

Cross Section -100.0 To 475.7 %



30

Incident Energy (eV)

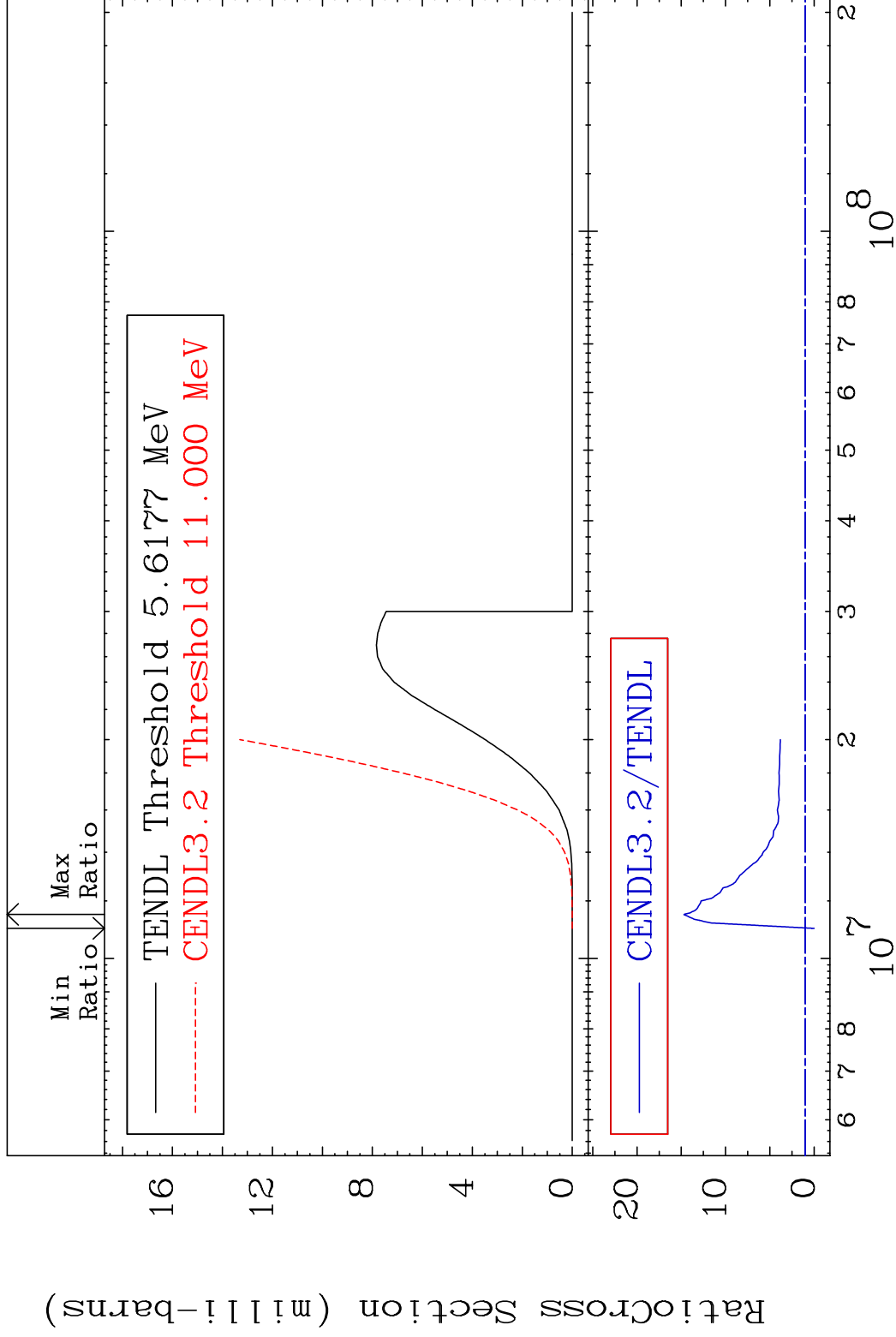
64-Gd-155

MAT 6434

(n, t)

64-Gd-155

Cross Section -100.0 To 1373. %



31

Incident Energy (eV)

64-Gd-155

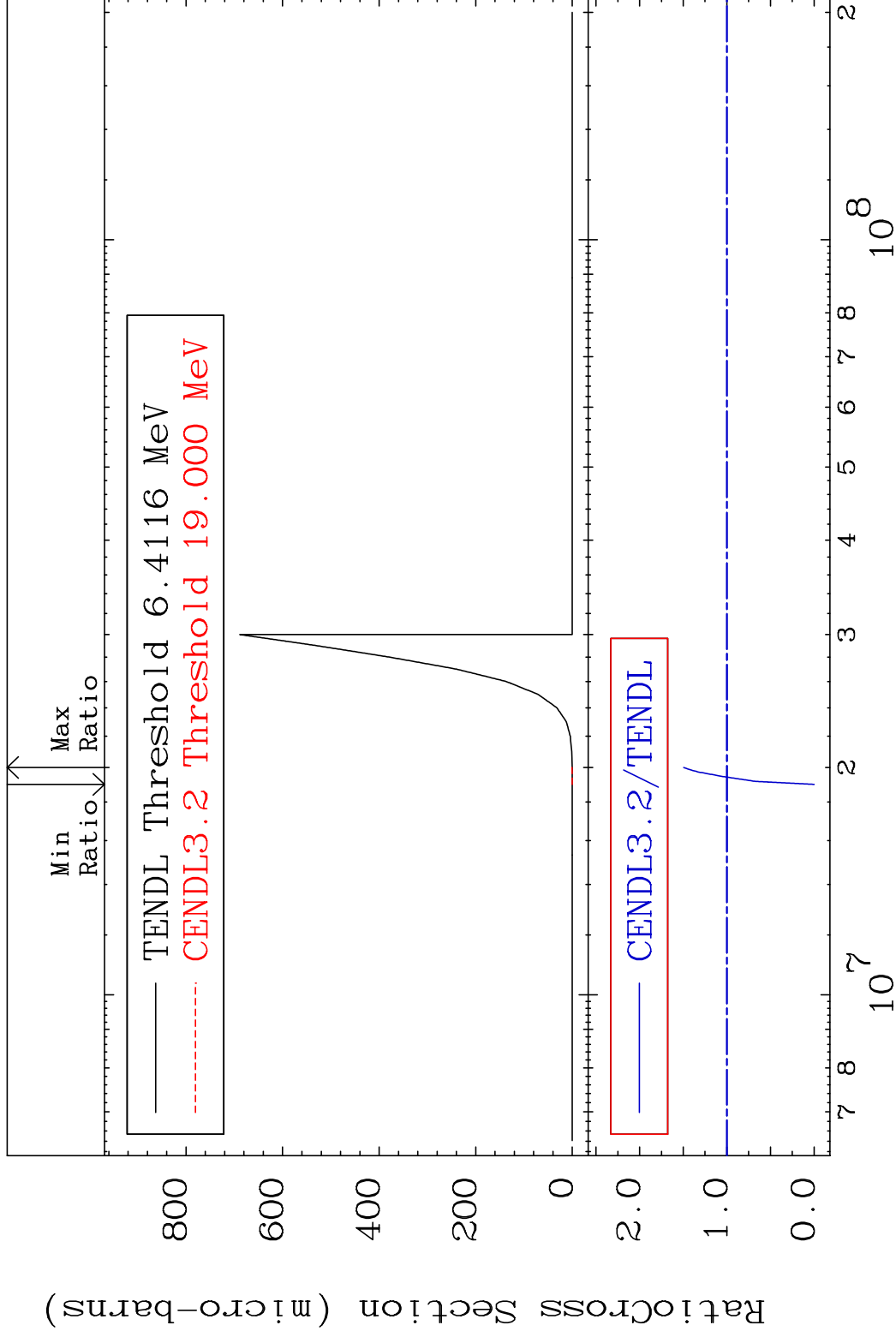


MAT 6434

(n, He-3)

64-Gd-155

Cross Section -100.0 To 49.51 %



32

Incident Energy (eV)

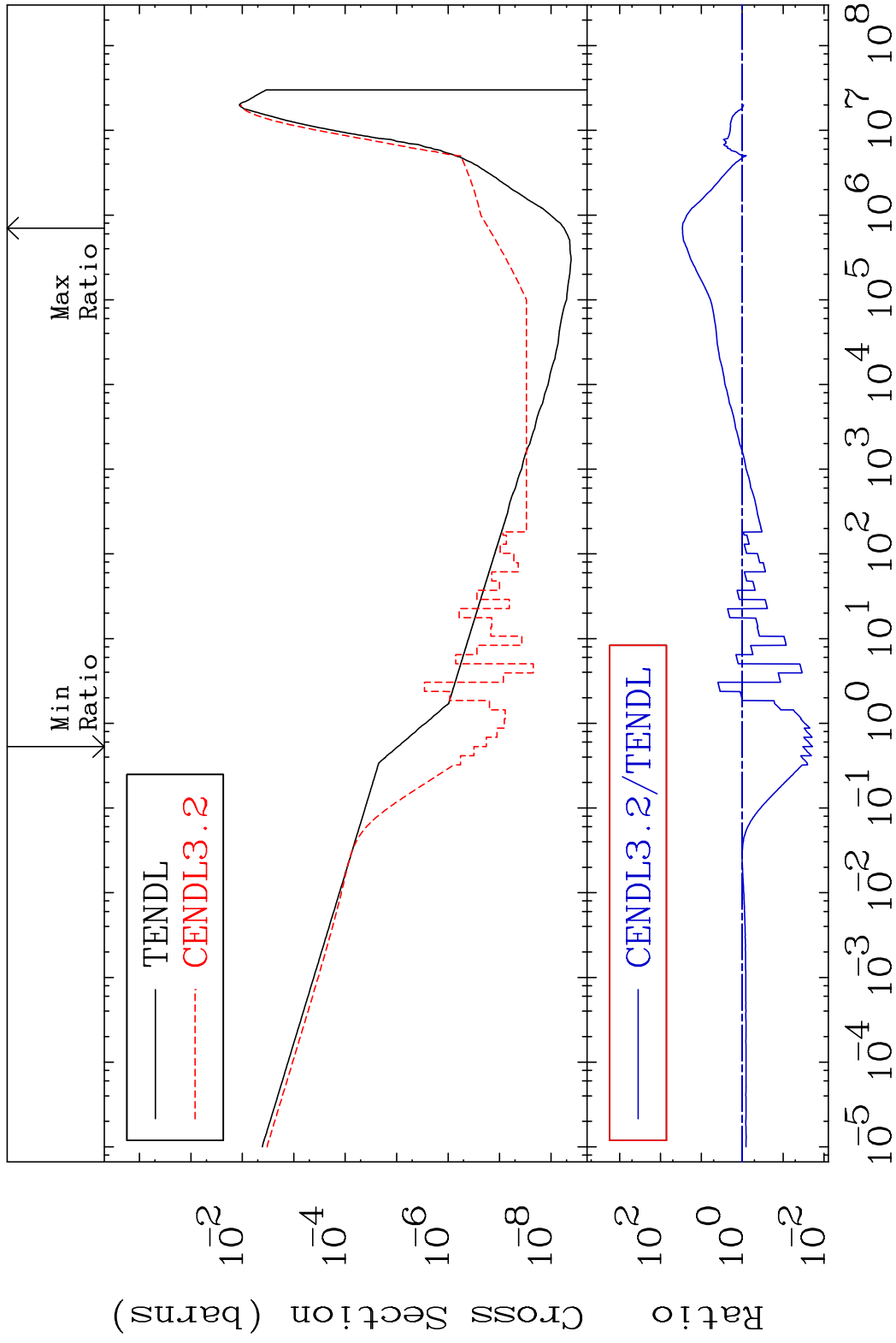
64-Gd-155

MAT 6434

(n,  $\alpha$ )

64-Gd-155

Cross Section -98.10 To 2827. %



33

Incident Energy (eV)

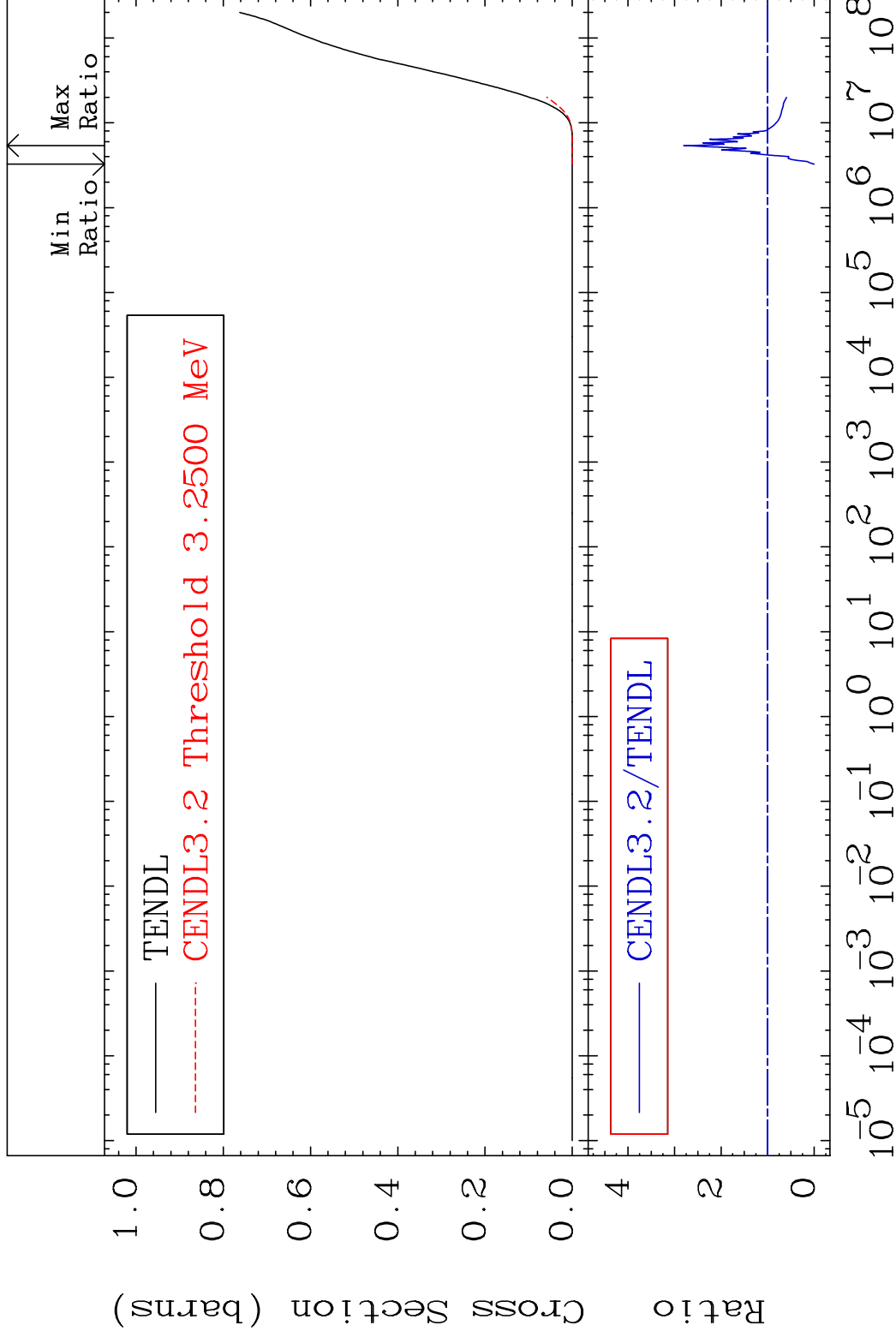
64-Gd-155

MAT 6434

Hydrogen Production

64-Gd-155

Cross Section -100.0 To 180.4 %



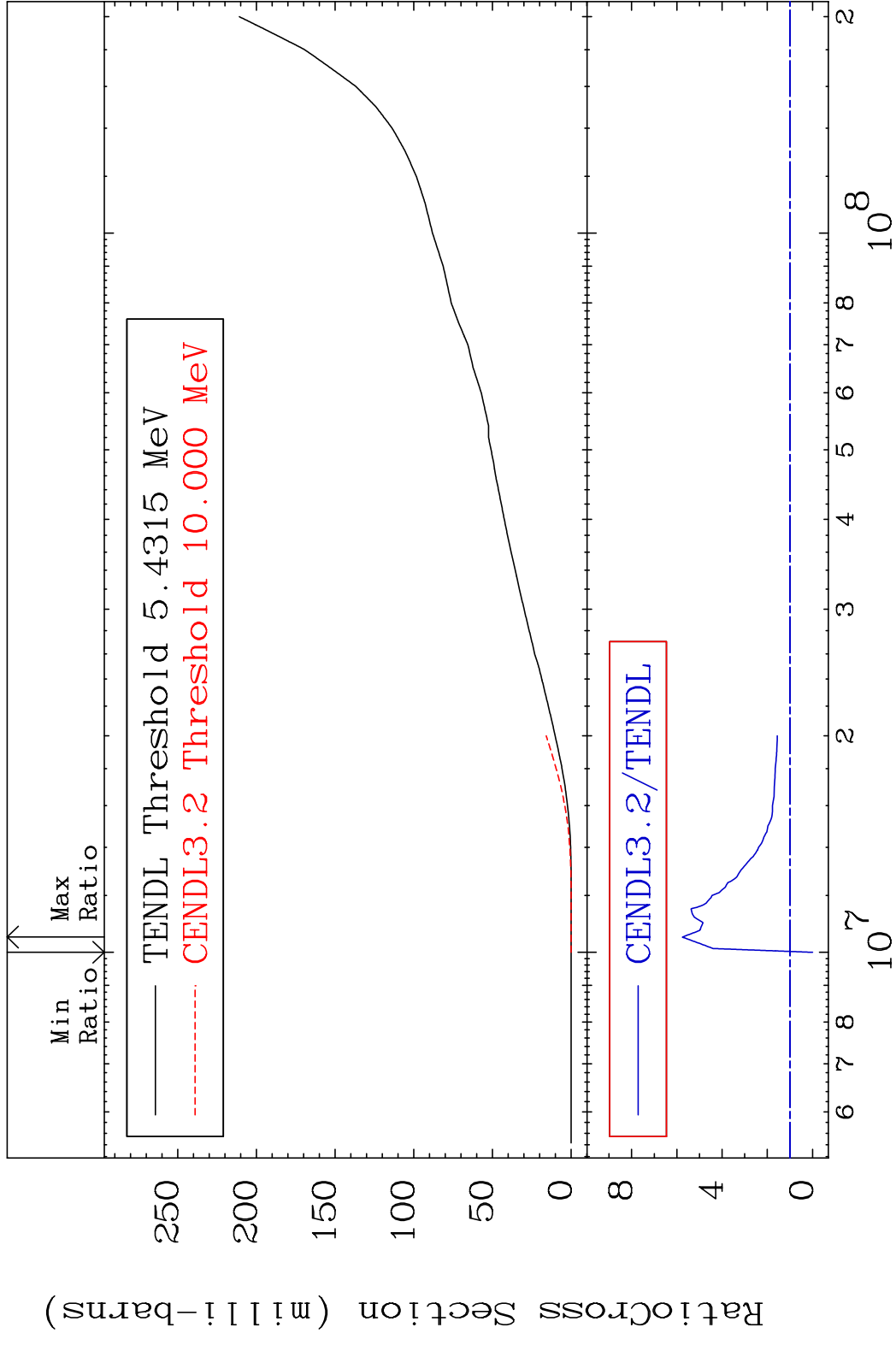
34

Incident Energy (eV)

64-Gd-155

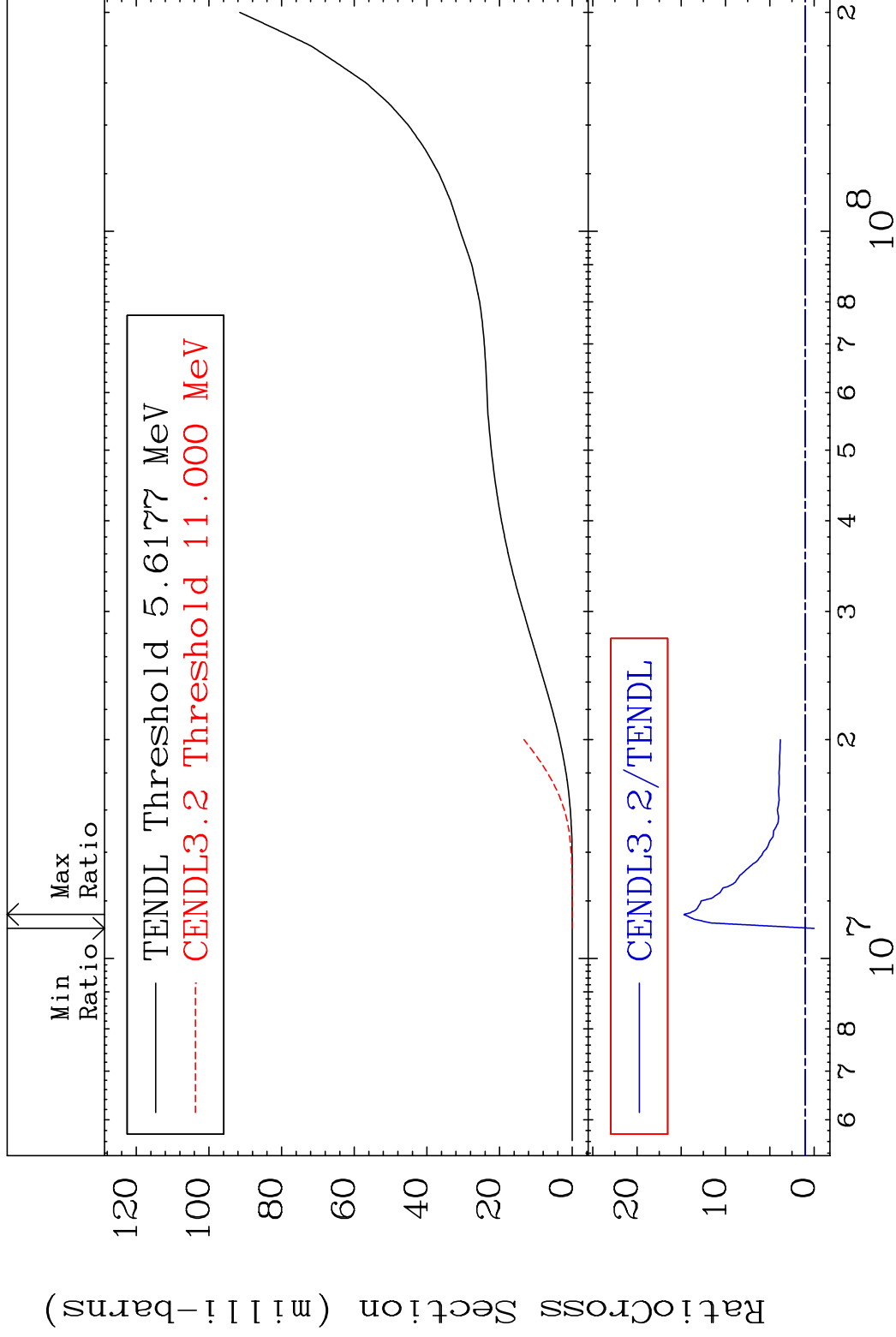
MAT 6434

Deuterium Production 64-Gd-155  
Cross Section -100.0 To 475.7 %



MAT 6434

Tritium Production 64-Gd-155  
Cross Section -100.0 To 1373. %



36

Incident Energy (eV)

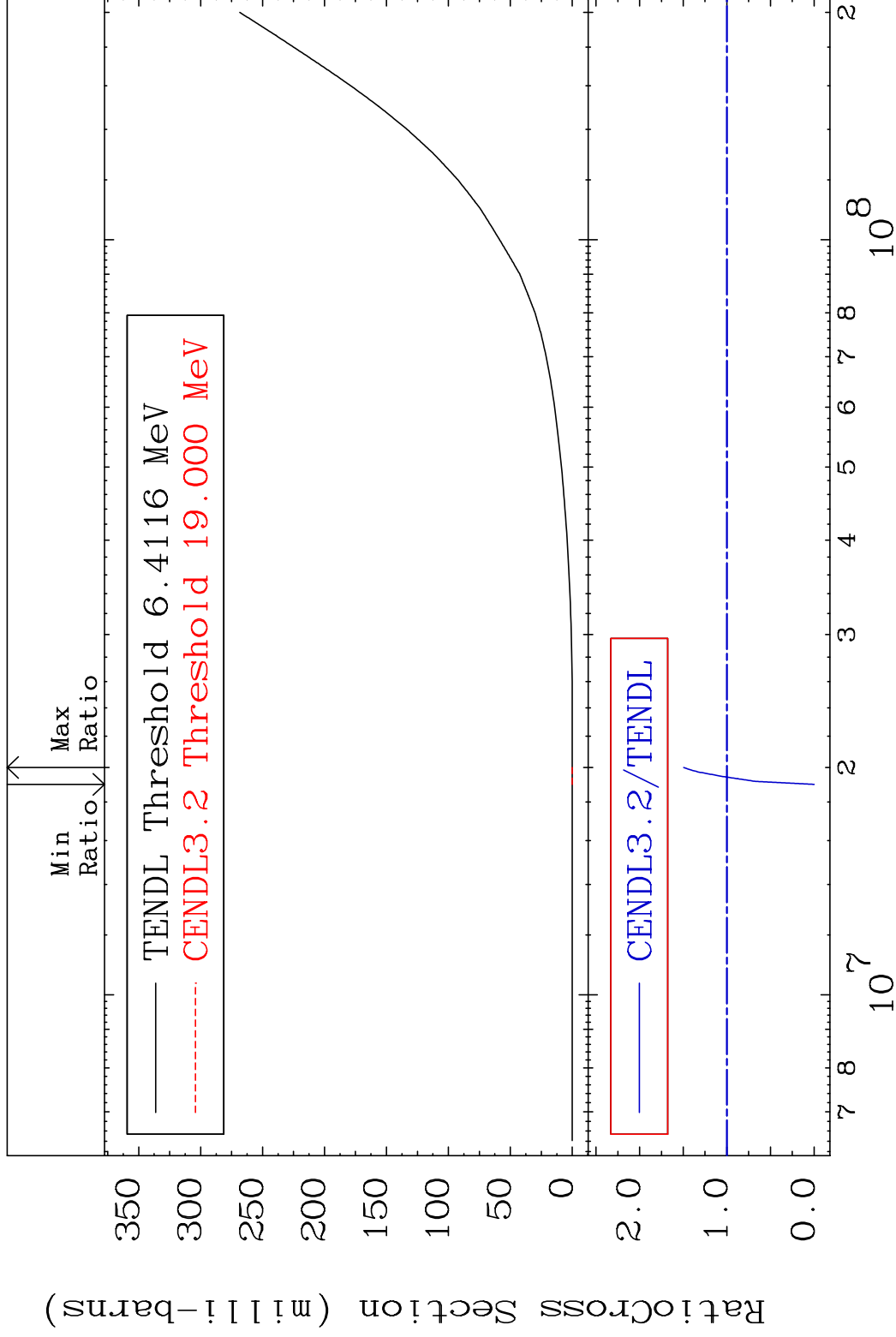
64-Gd-155

MAT 6434

He-3 Production

64-Gd-155

Cross Section -100.0 To 49.51 %

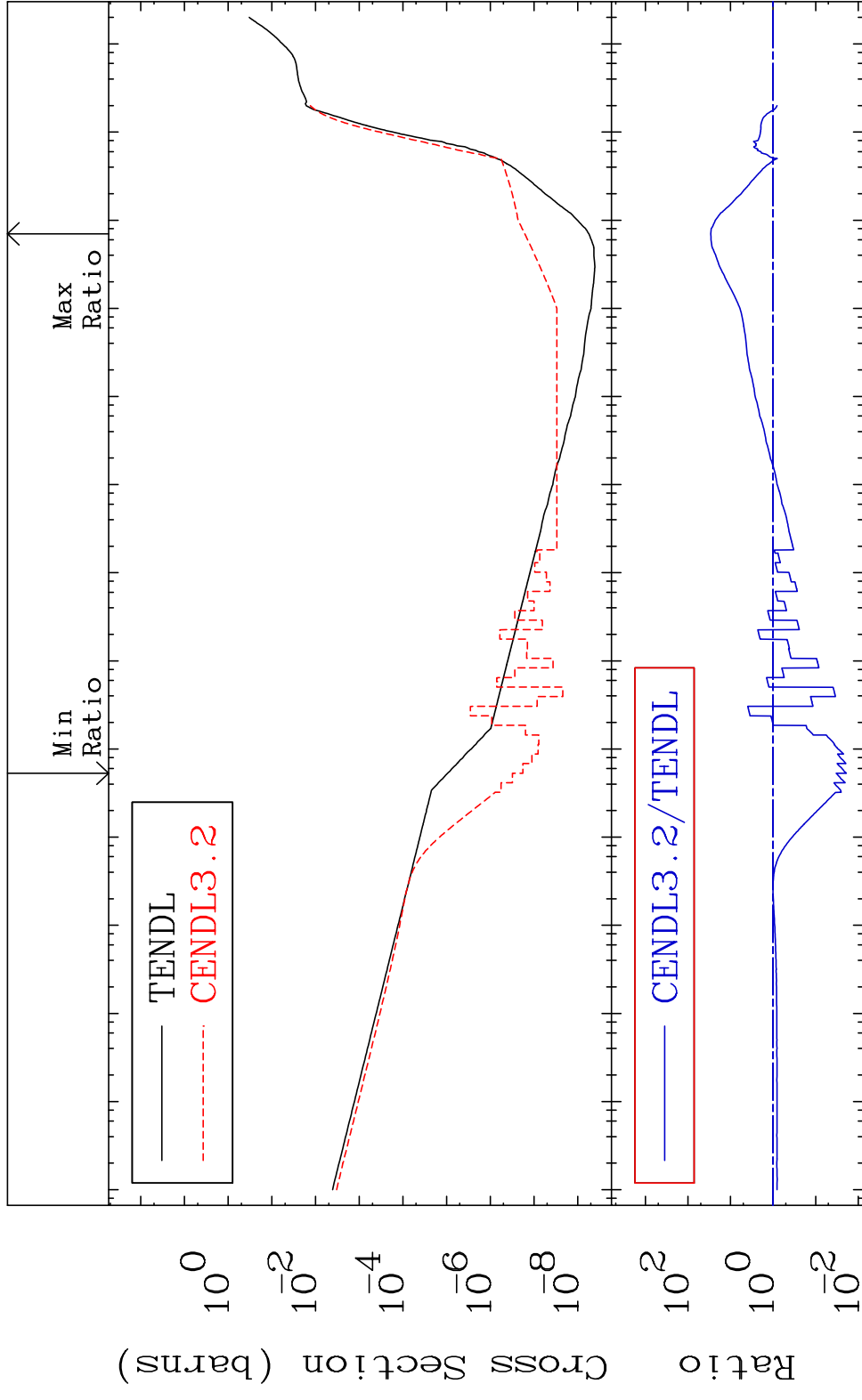


37

Incident Energy (eV)

64-Gd-155

MAT 6434 He-4 Production 64-Gd-155  
 Cross Section -98.10 To 2827. %

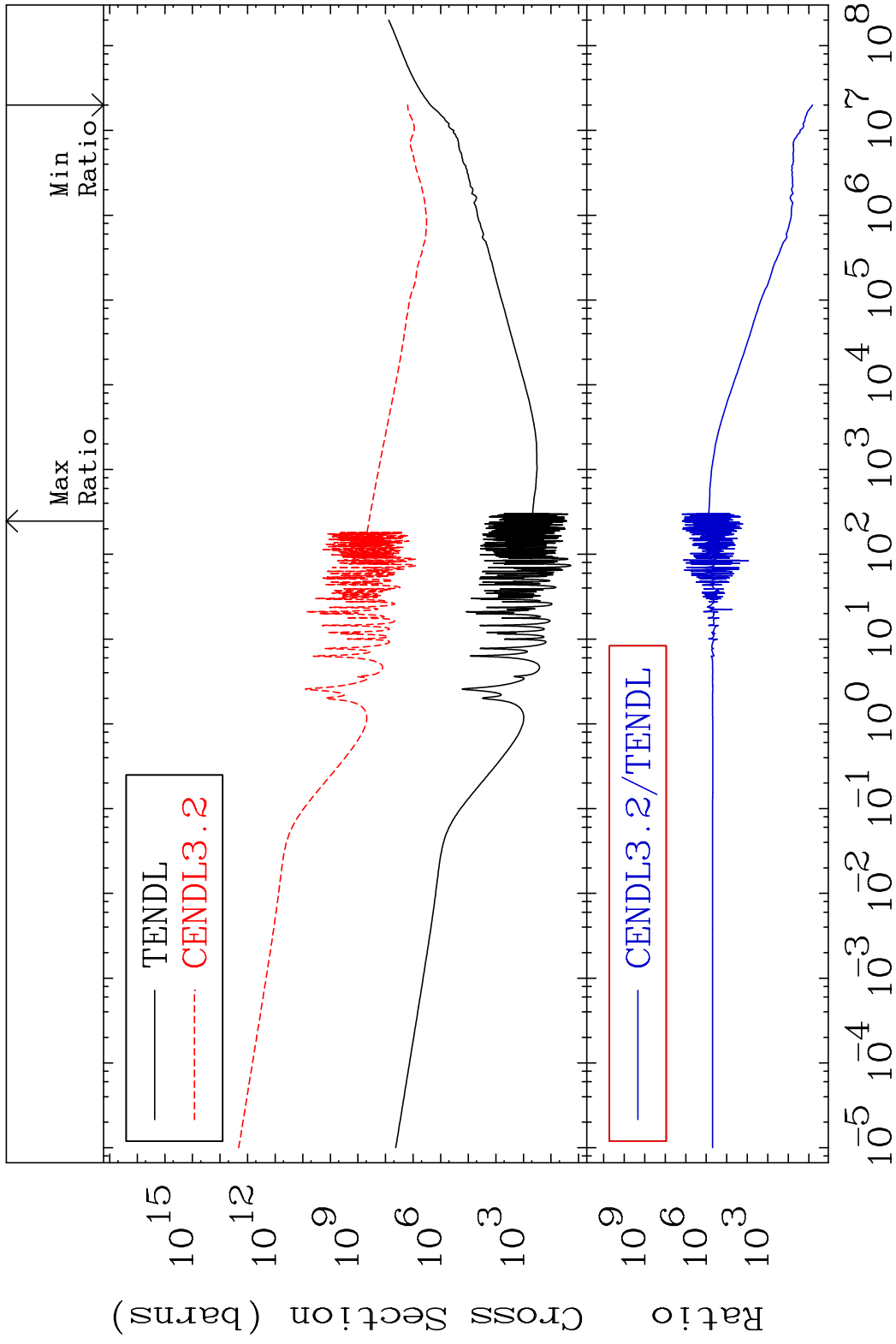


38 Incident Energy (eV) 64-Gd-155

MAT 6434

Kerma total (eV-barns) 64-Gd-155

Cross Section 563.9 To 9999. %



39

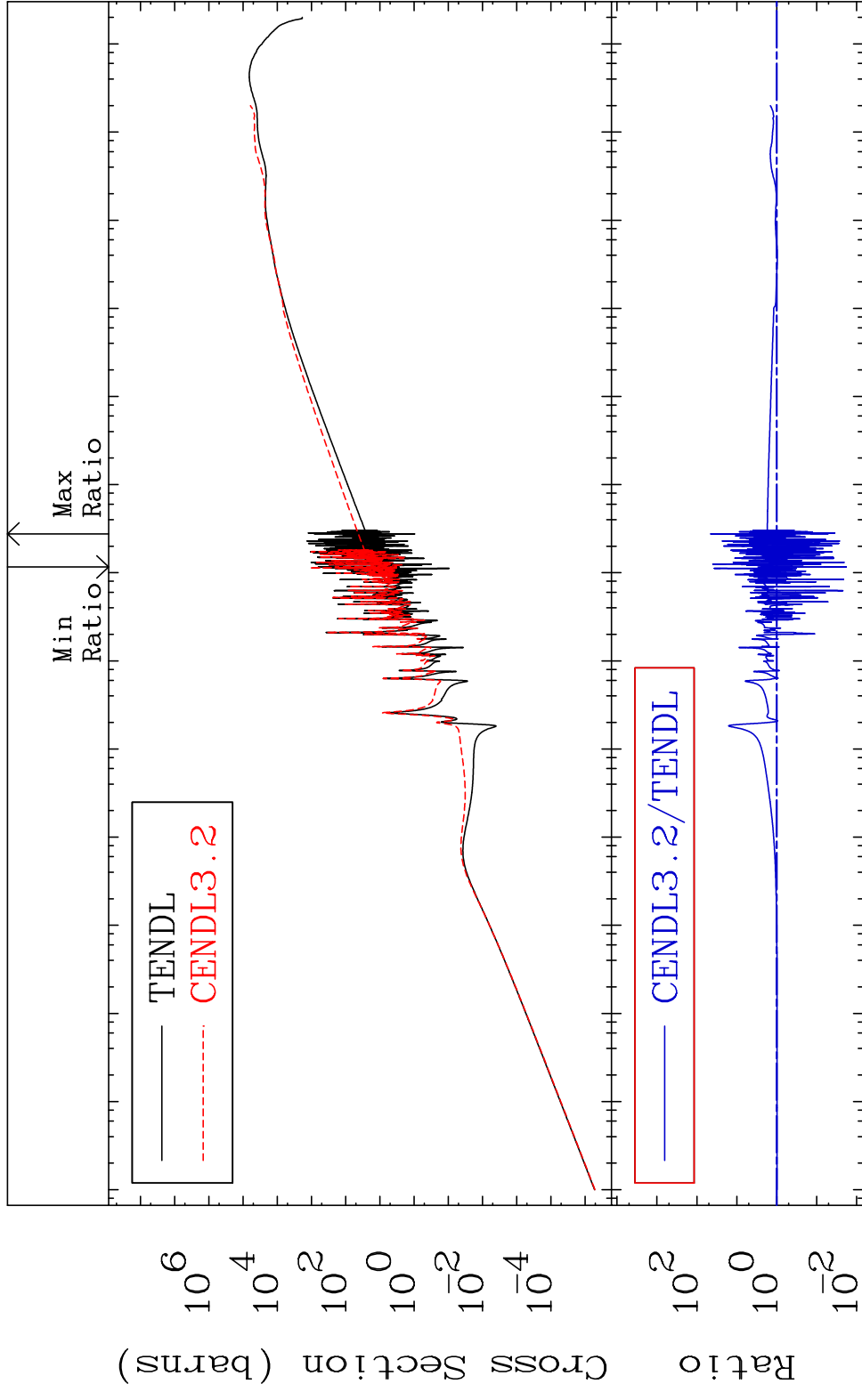
Incident Energy (eV)

64-Gd-155



MAT 6434

Kerma elastic Cross Section -98.20 To 4398. %  
64-Gd-155

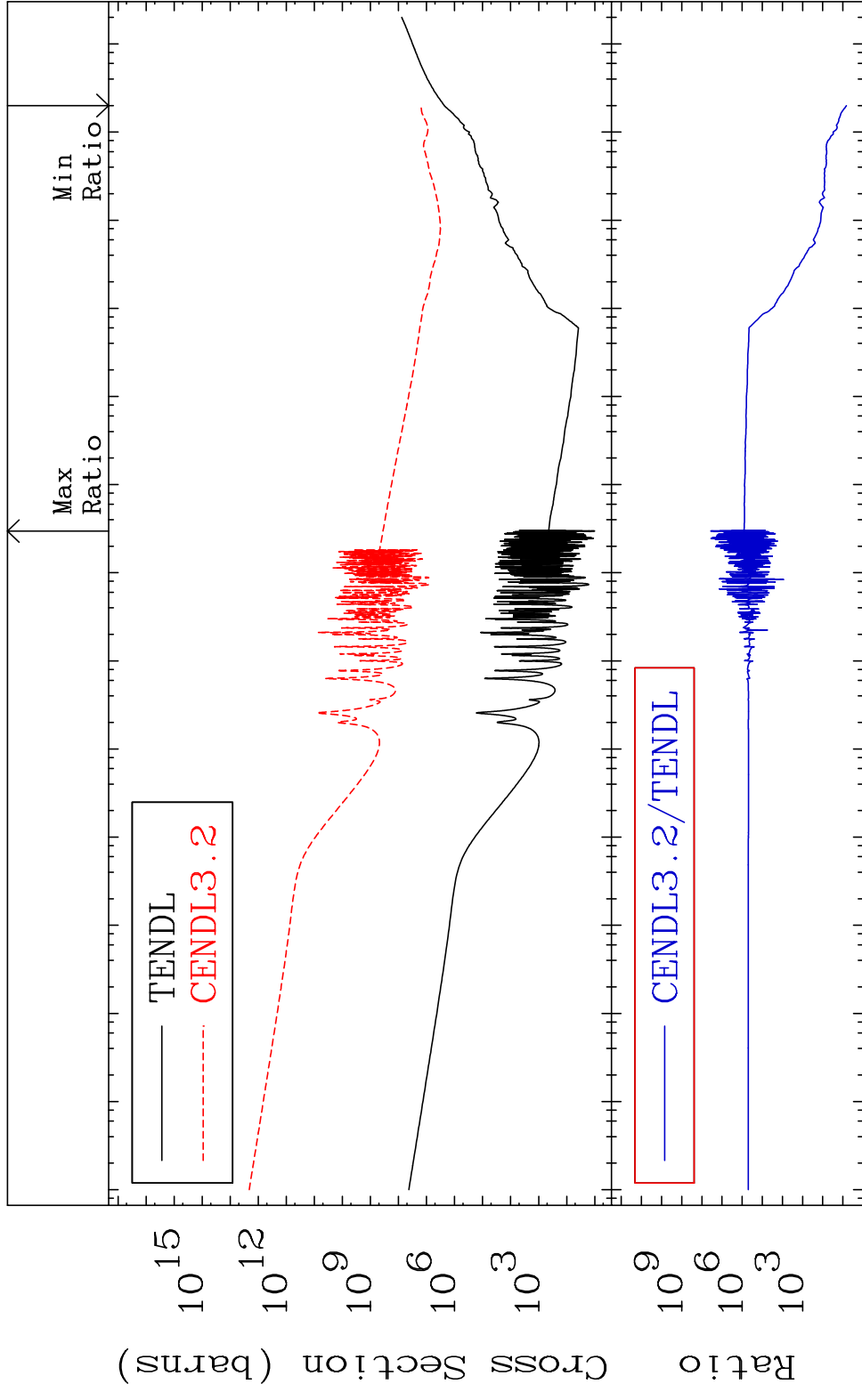


40

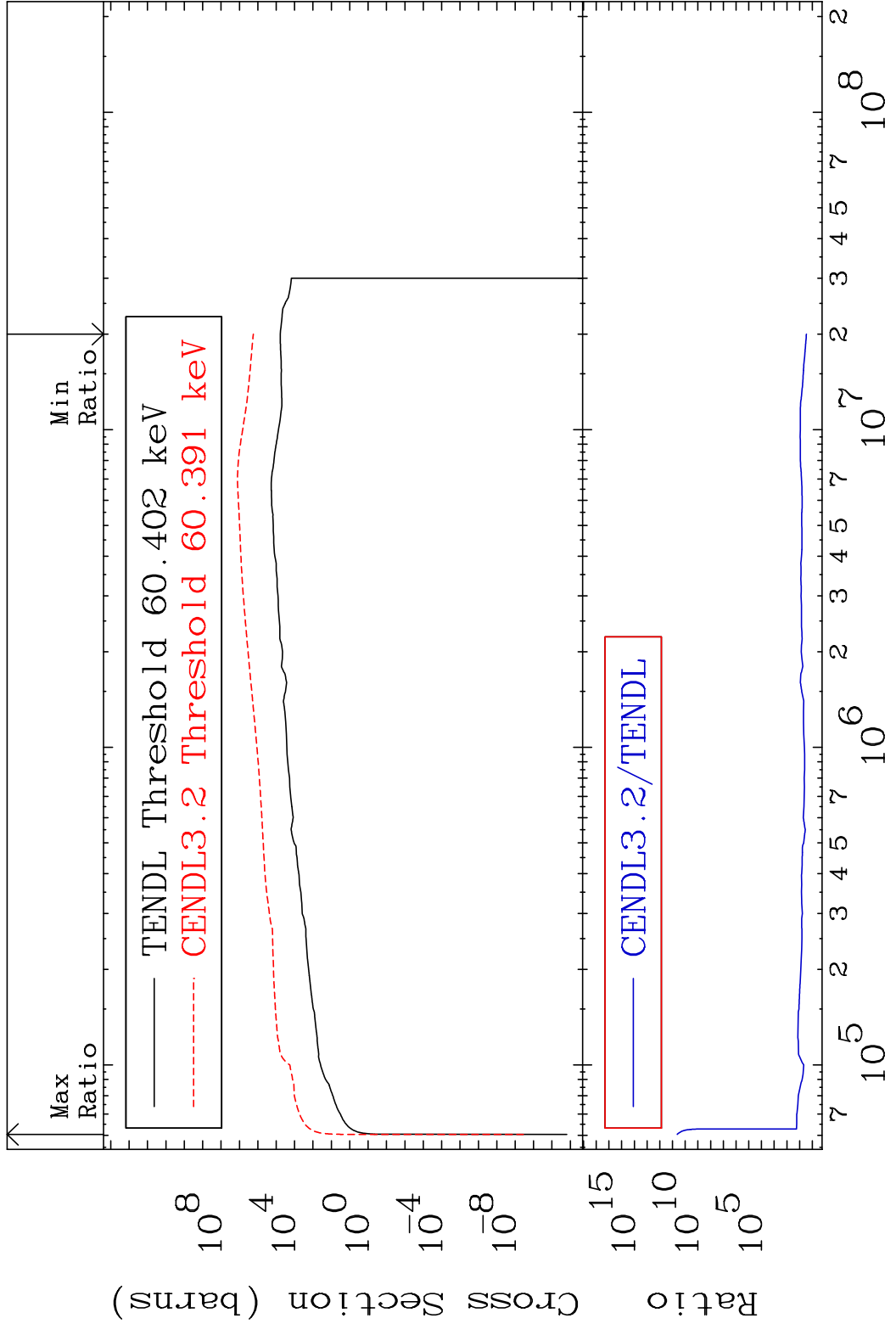
Incident Energy (eV)

64-Gd-155

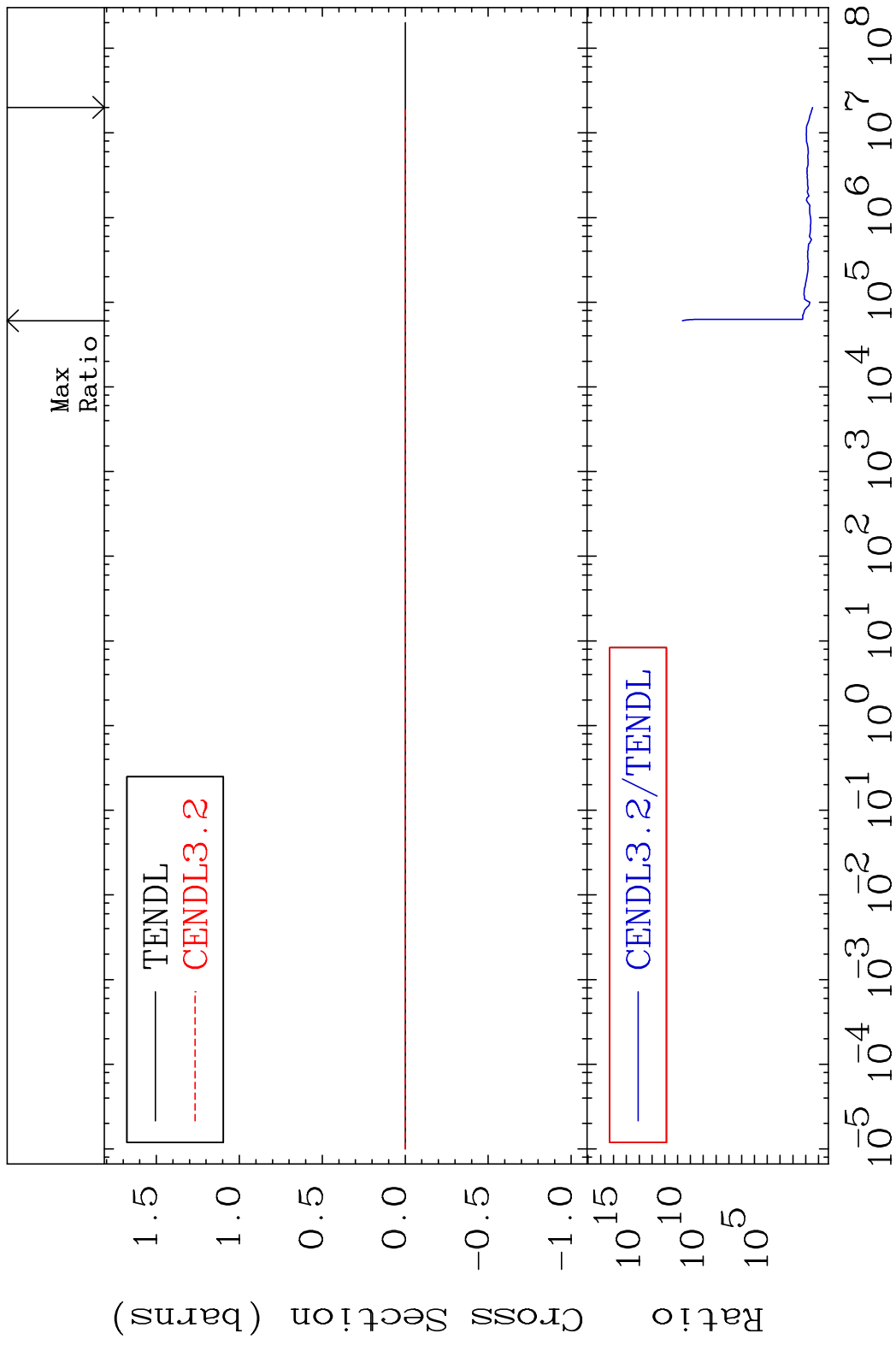
MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155  
 Cross Section 573.4 To 9999. %



MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155  
 Cross Section 2824. To 9999. %

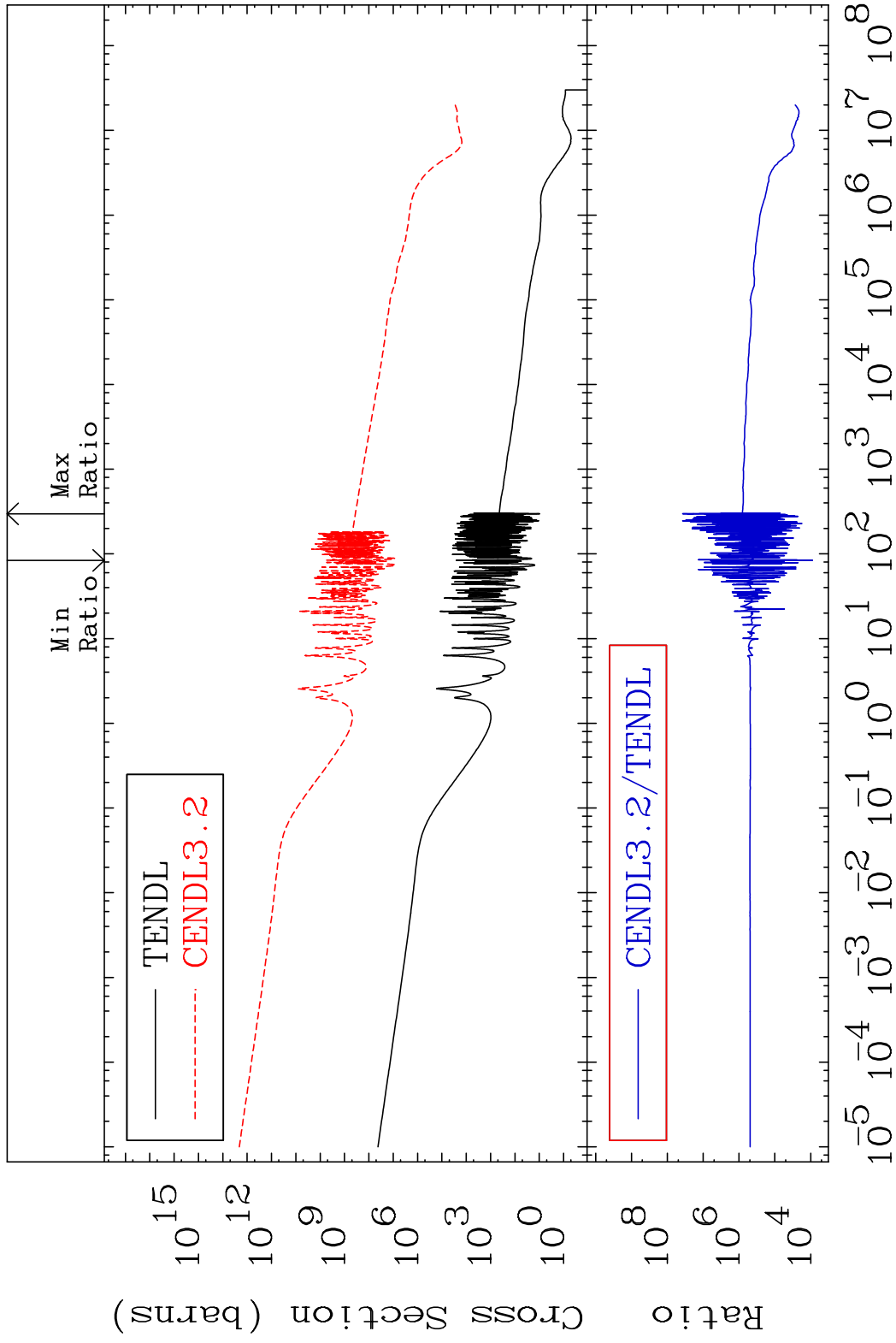


MAT 6434 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-155  
 Cross Section 2824. To 9999. %



MAT 6434

Kerma capture (mt102) 64-Gd-155  
Cross Section 9999. To 9999. %

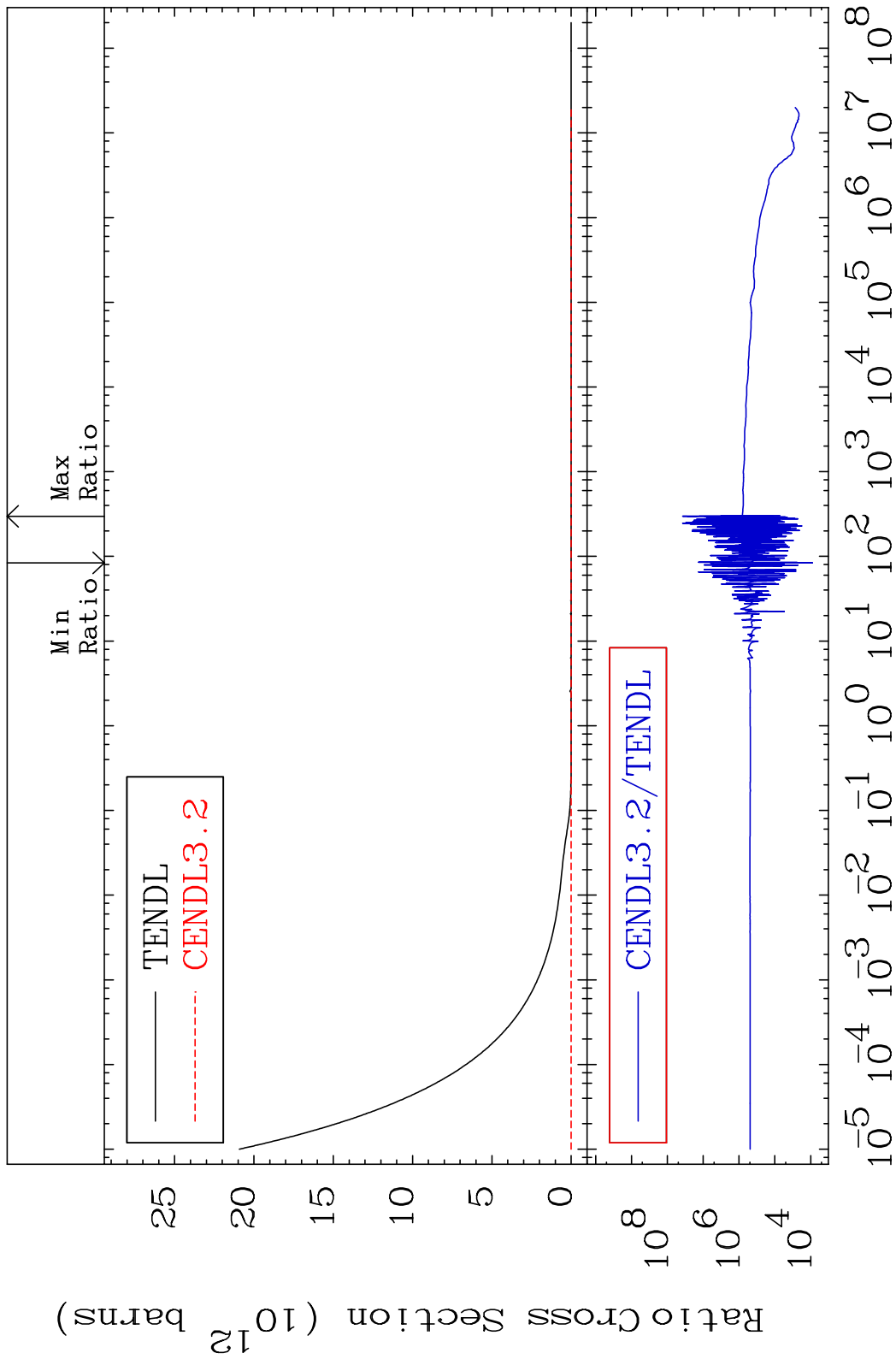


44

Incident Energy (eV)

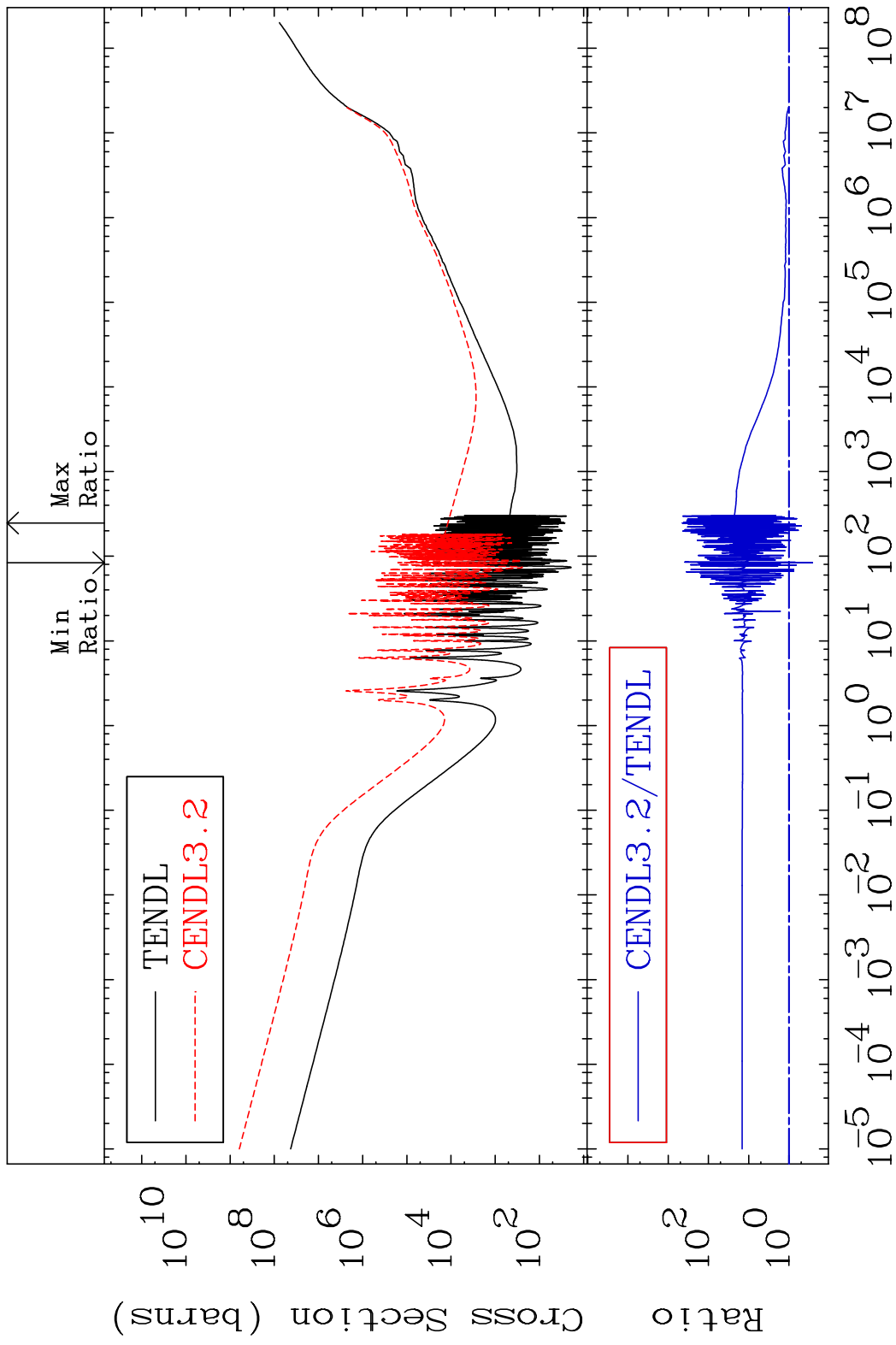
64-Gd-155

MAT 6434 Total photon (eV-barns) 64-Gd-155  
Cross Section 9999. To 9999. %



45 Incident Energy (eV) 64-Gd-155

MAT 6434 Total kinematic kerma (high limit) 64-Gd-155  
 Cross Section -74.04 To 9999. %

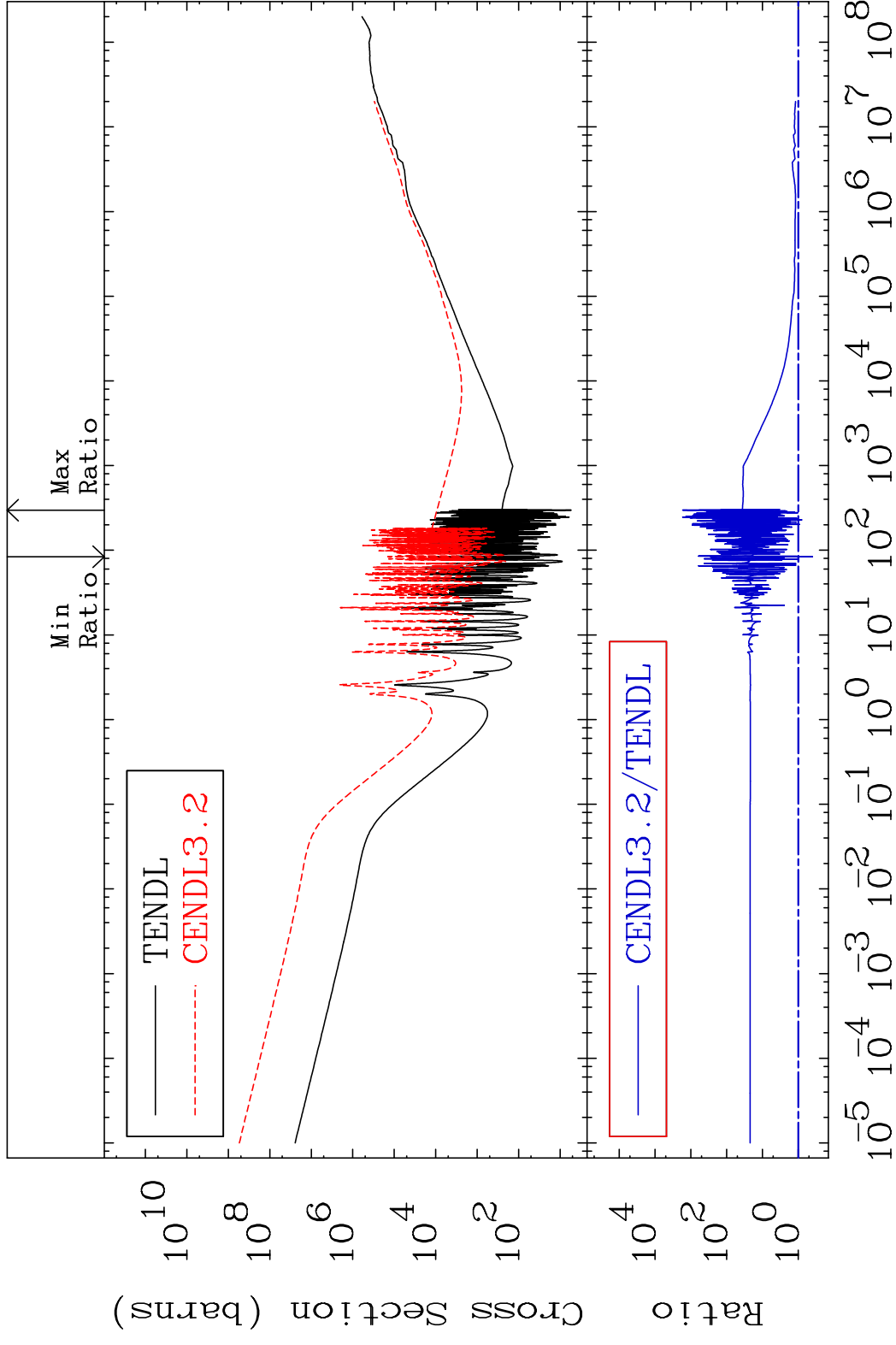


MAT 6434

Dpa total (eV-barns)

64-Gd-155

Cross Section -60.17 To 9999. %



47

Incident Energy (eV)

64-Gd-155

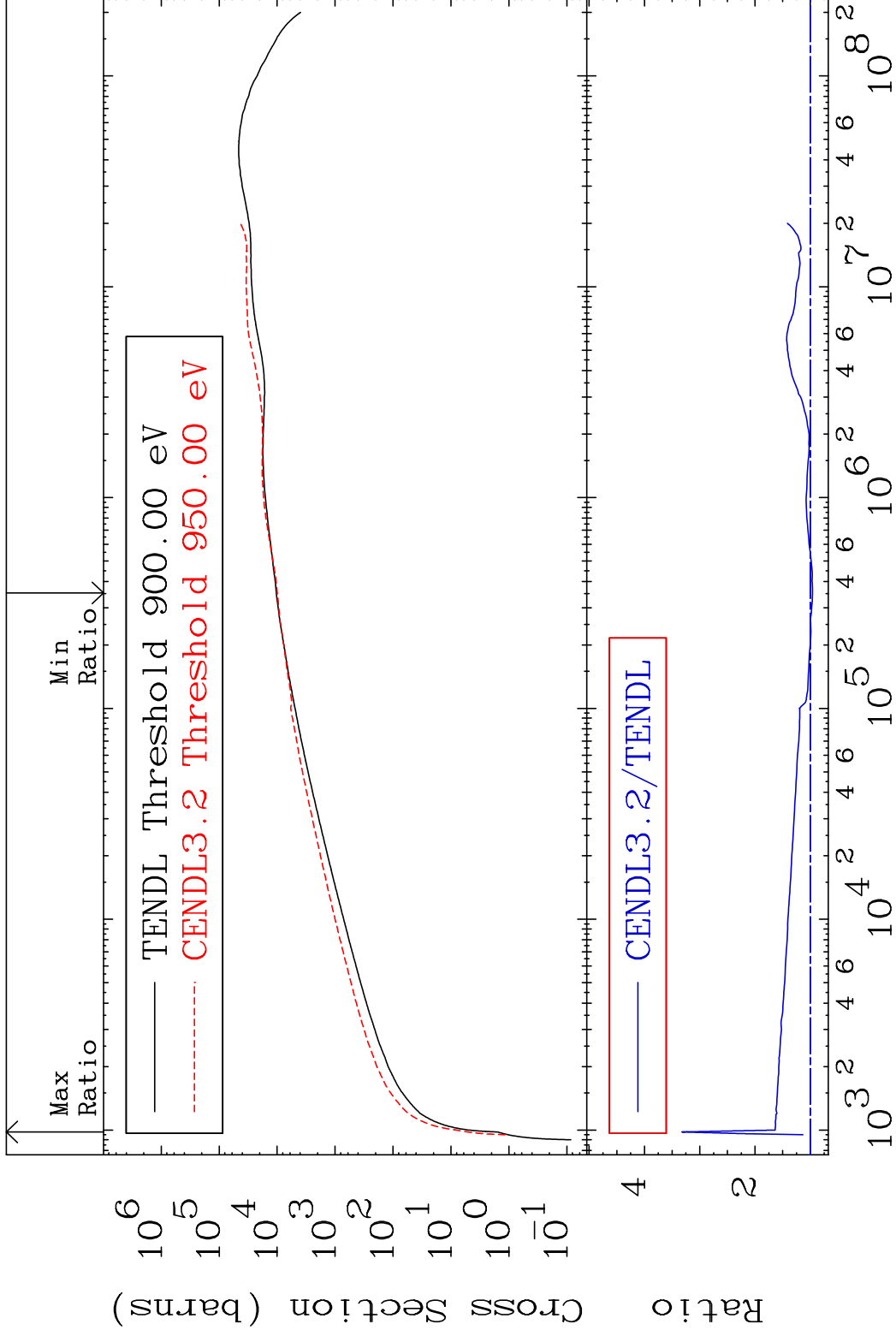


MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -3.845 To 231.8 %

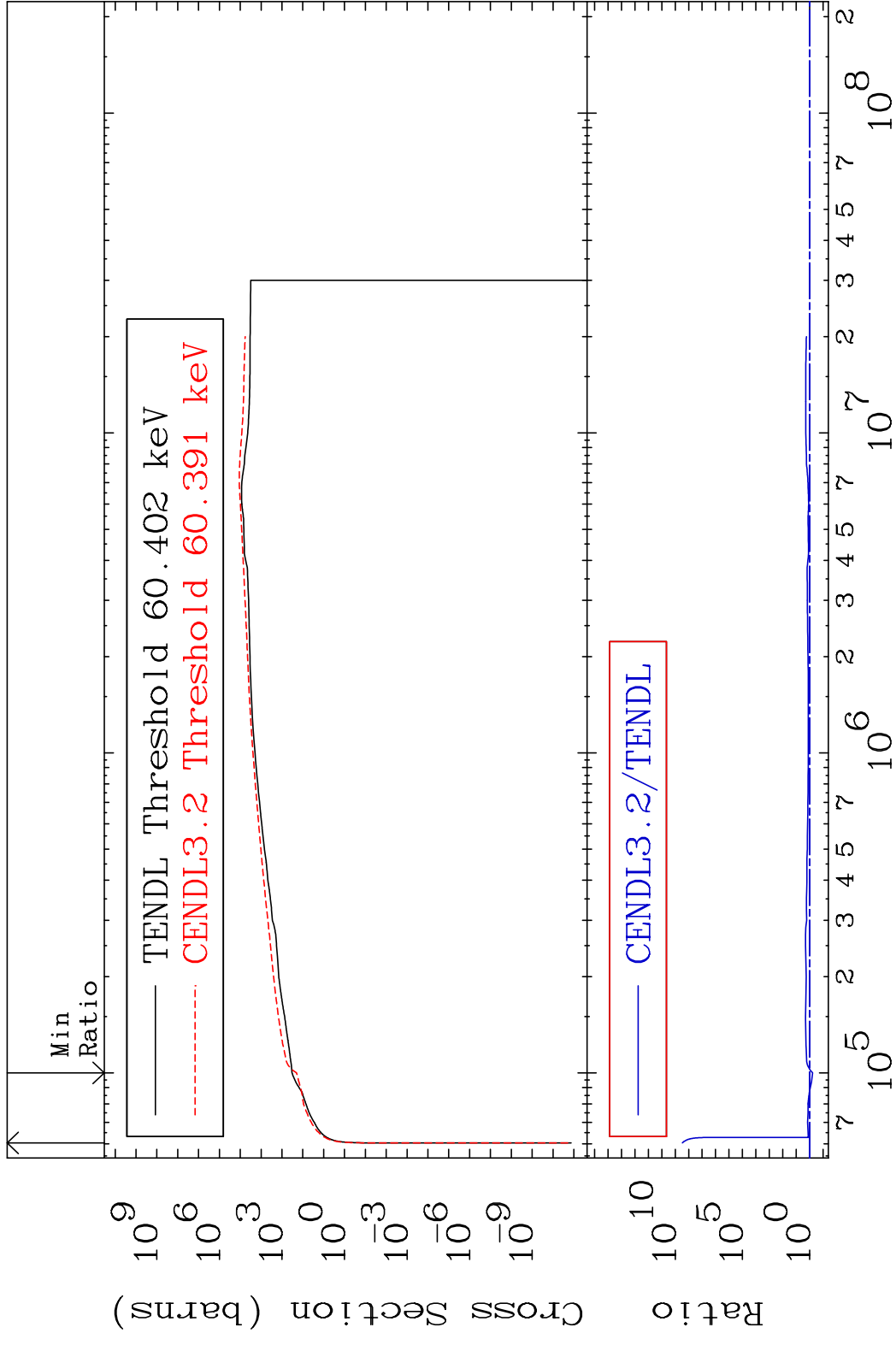


48

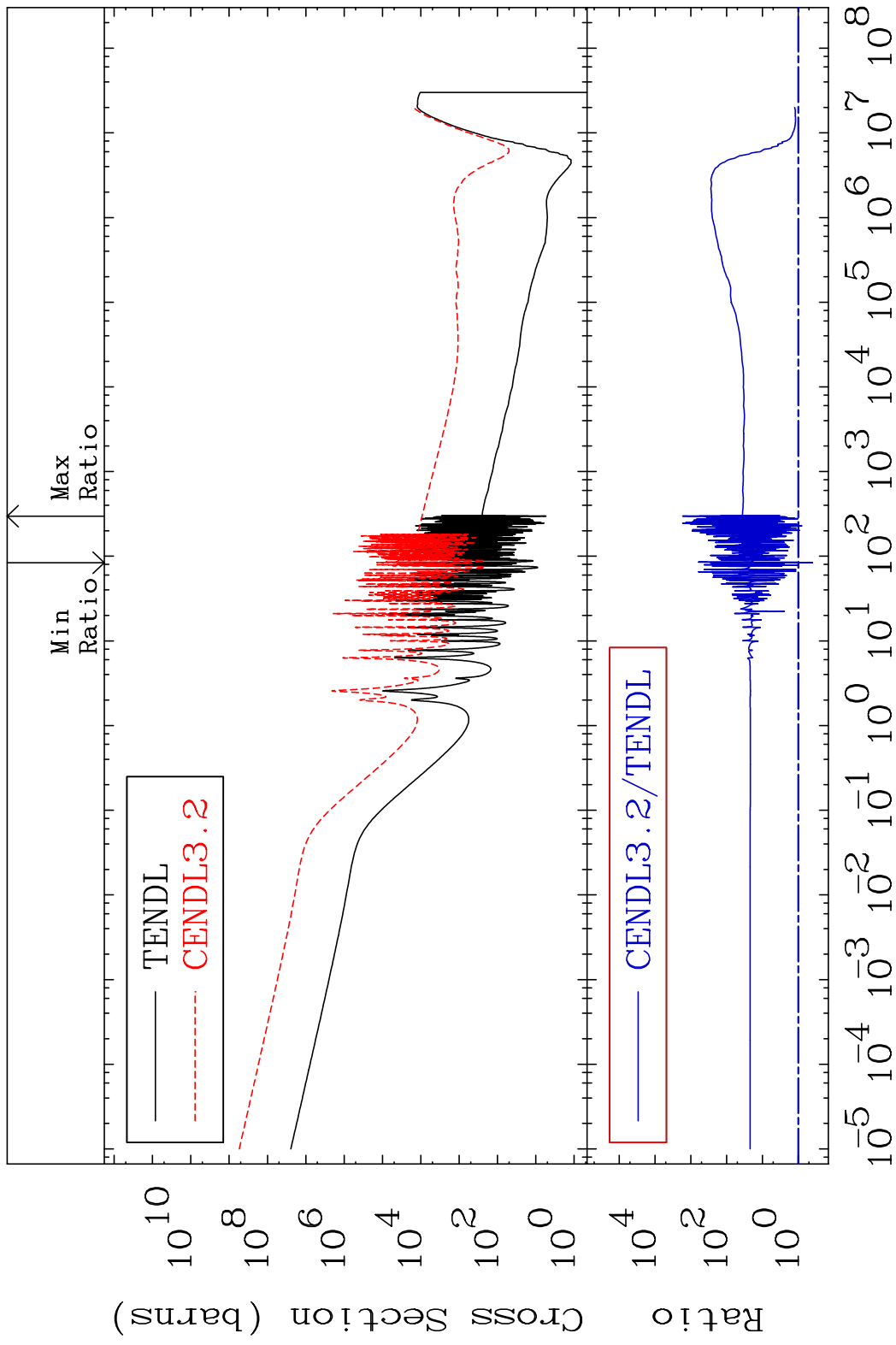
Incident Energy (eV)

64-Gd-155

MAT 6434 Dpa inelastic (mt51-91) 64-Gd-155  
 Cross Section -40.02 To 9999. %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155  
 Cross Section -60.17 To 9999. %

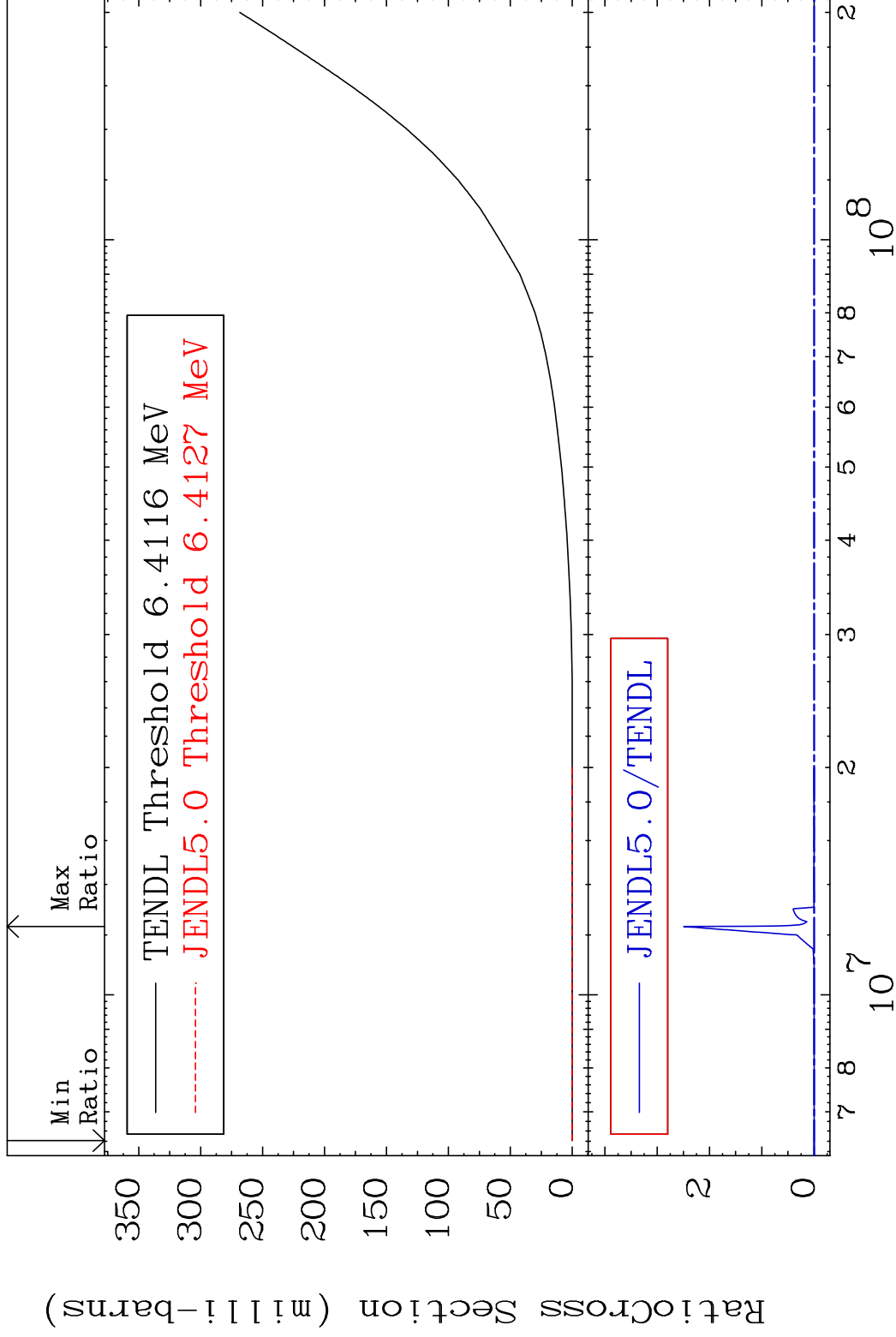


MAT 6434

He-3 Production

64-Gd-155

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

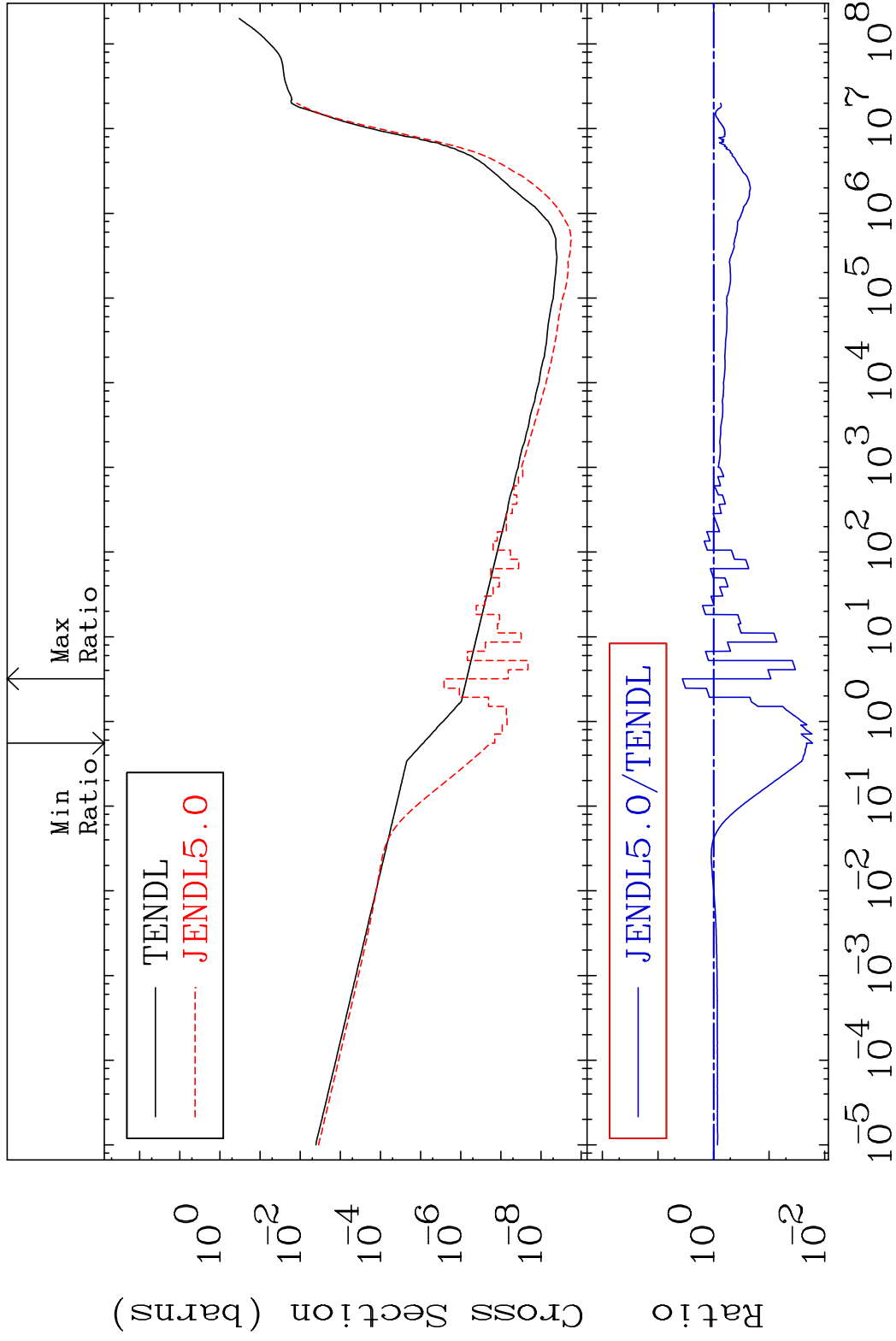
64-Gd-155

MAT 6434

He-4 Production

64-Gd-155

Cross Section -98.34 To 264.3 %

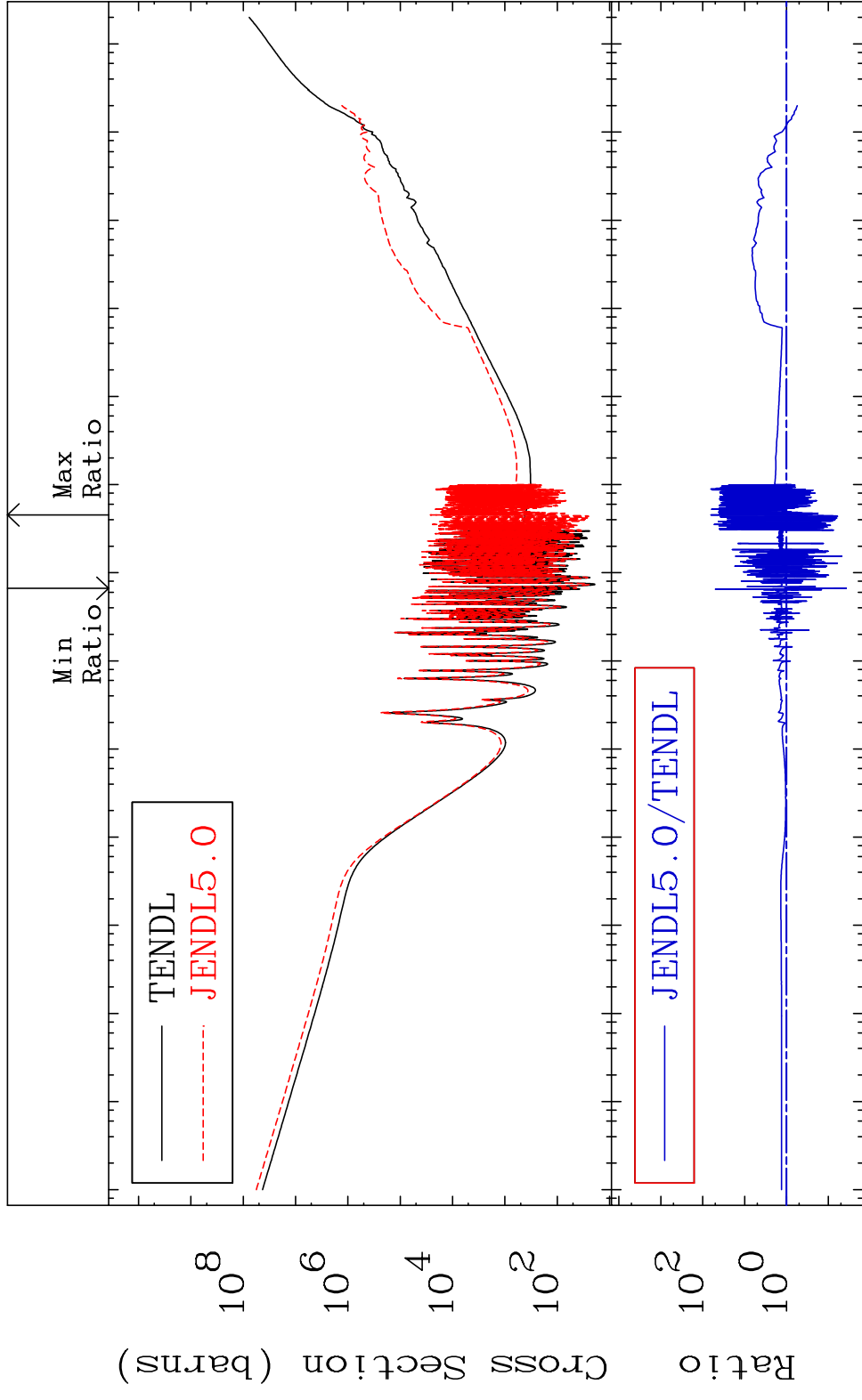


52

Incident Energy (eV)

64-Gd-155

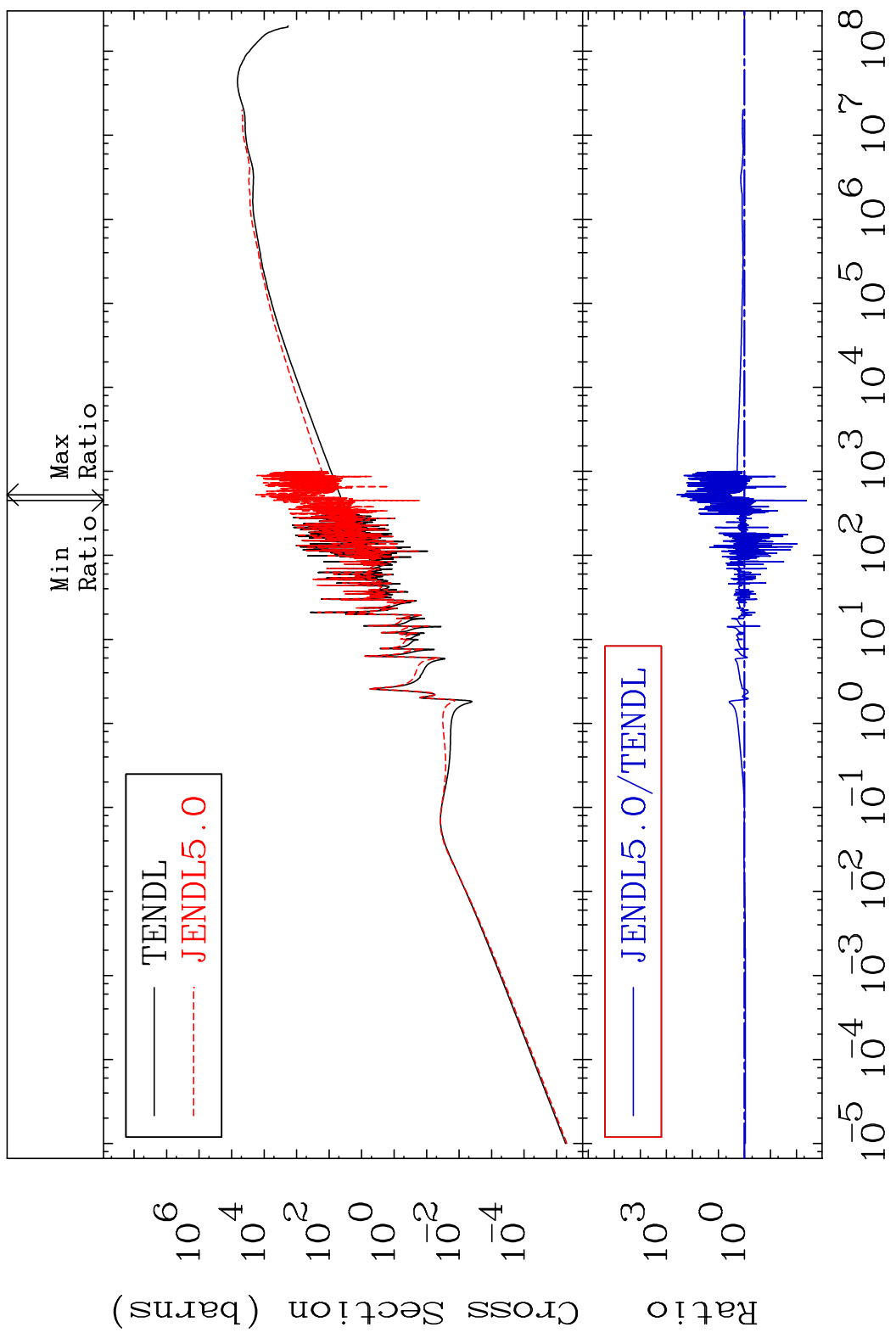
MAT 6434 Kerma total (eV-barns) 64-Gd-155  
 Cross Section -96.26 To 6343. %



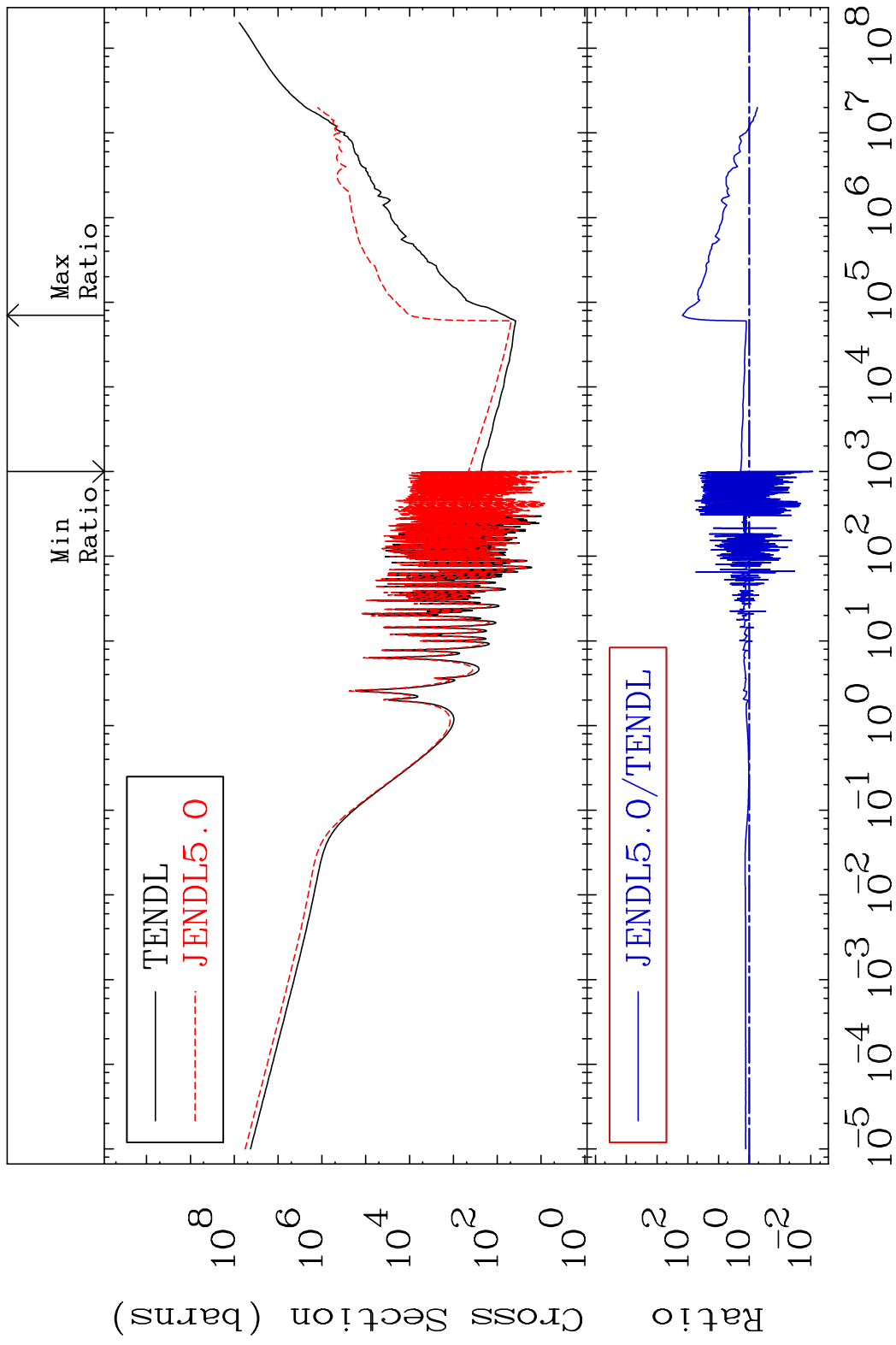
MAT 6434

Kerma elastic  
Cross Section -99.59 To 9999. %

64-Gd-155

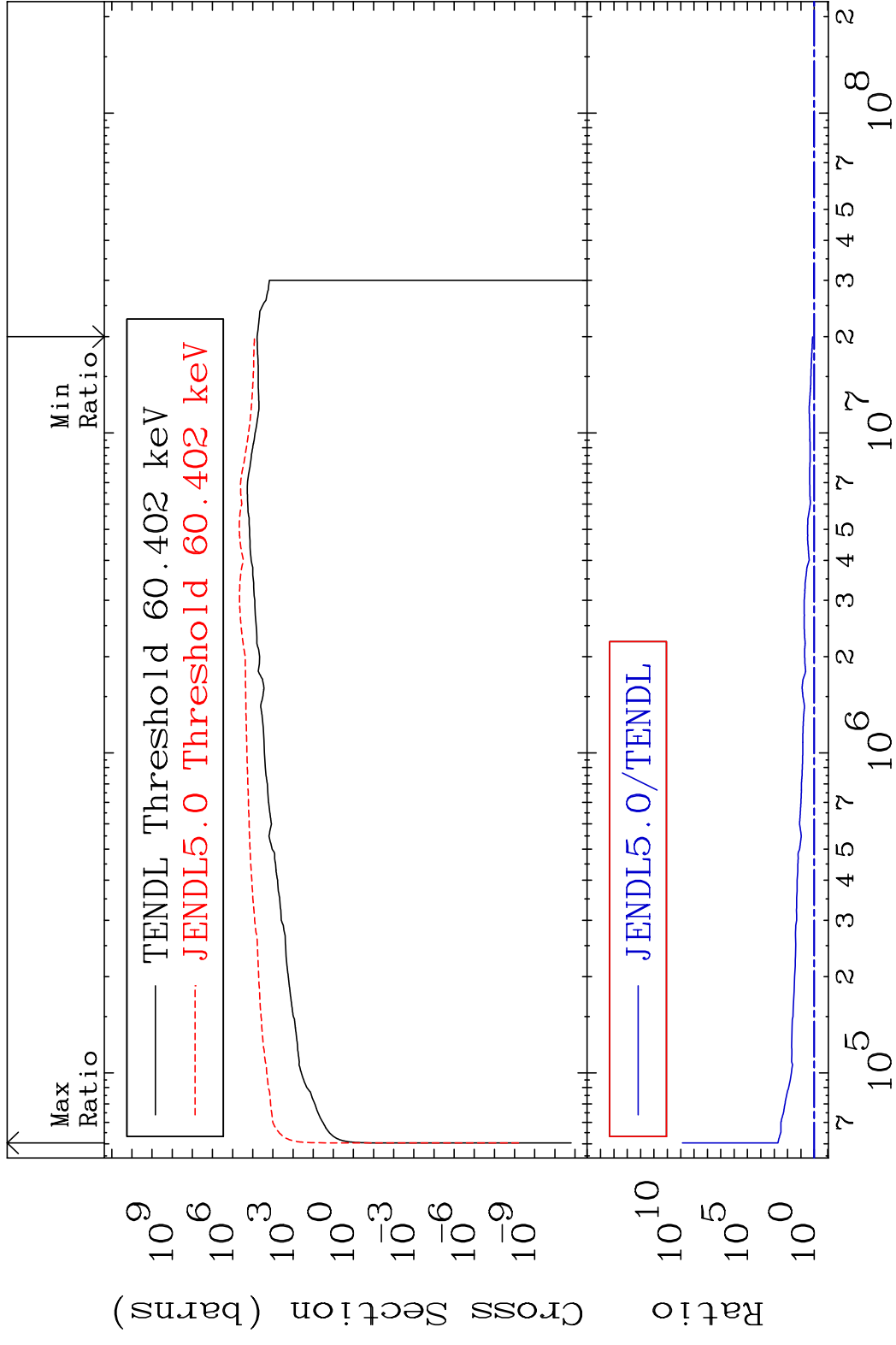


MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155  
 Cross Section -99.12 To 9999. %

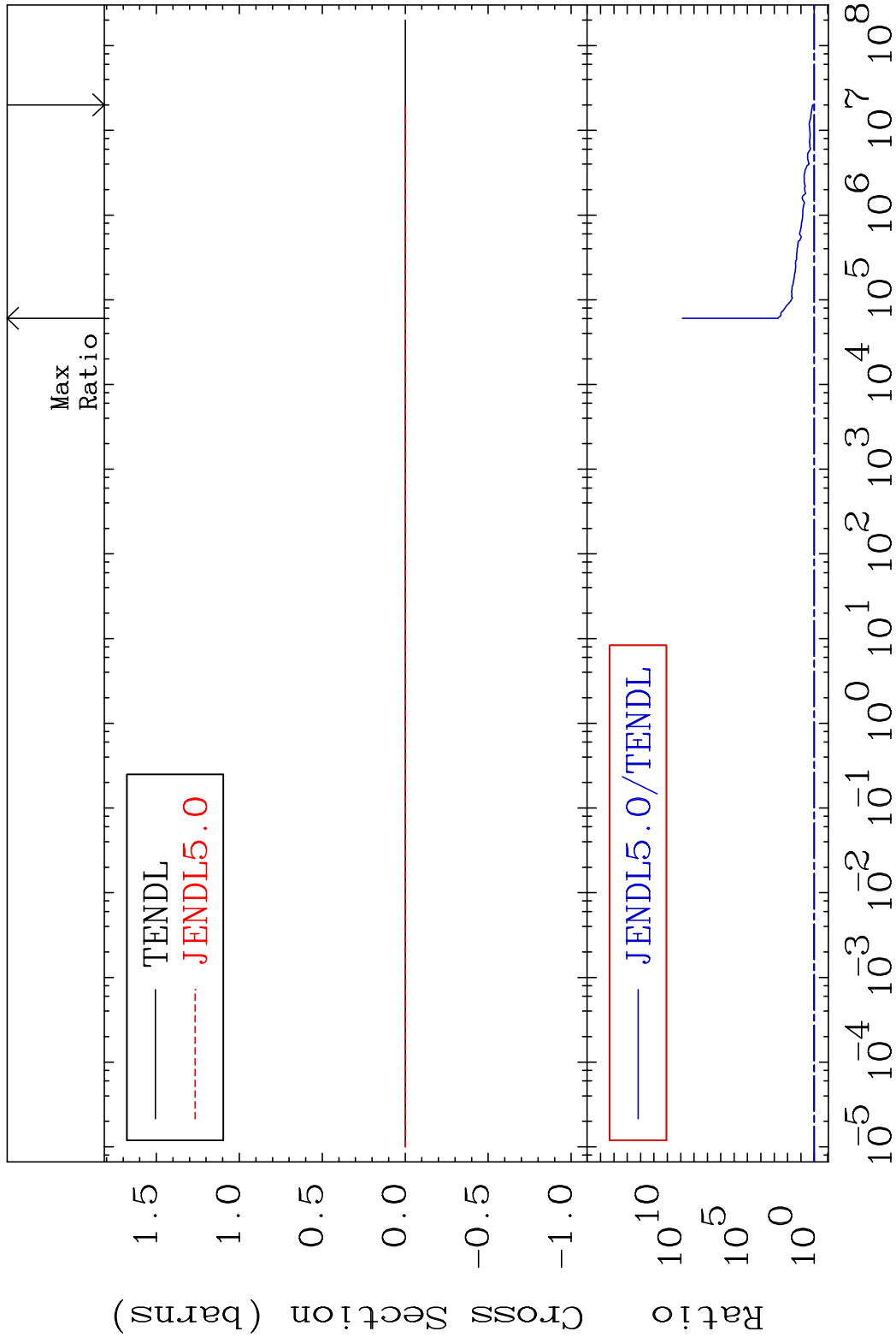




MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155  
 Cross Section 34.92 To 9999. %

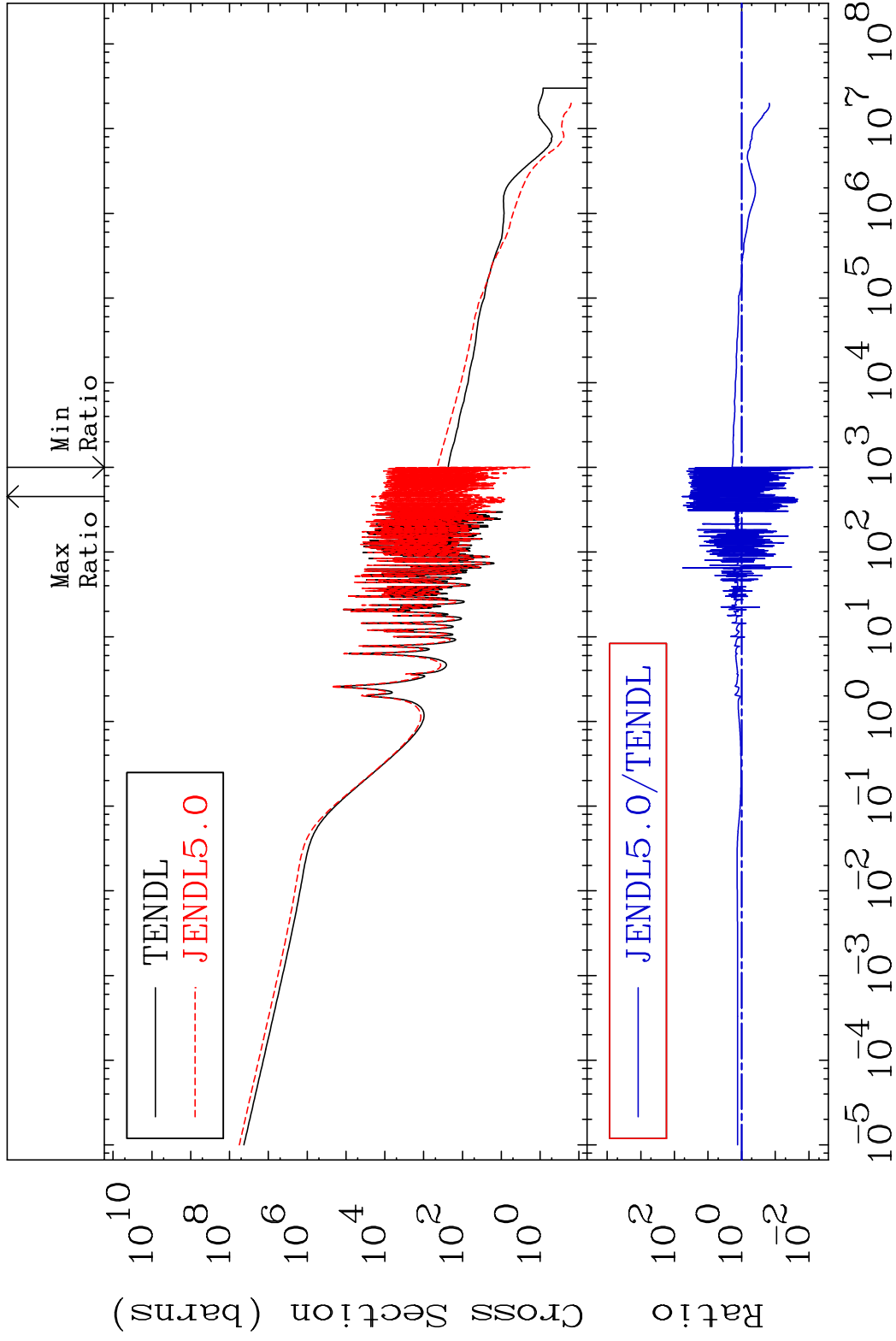


MAT 6434 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-155  
 Cross Section 34.92 To 9999. %



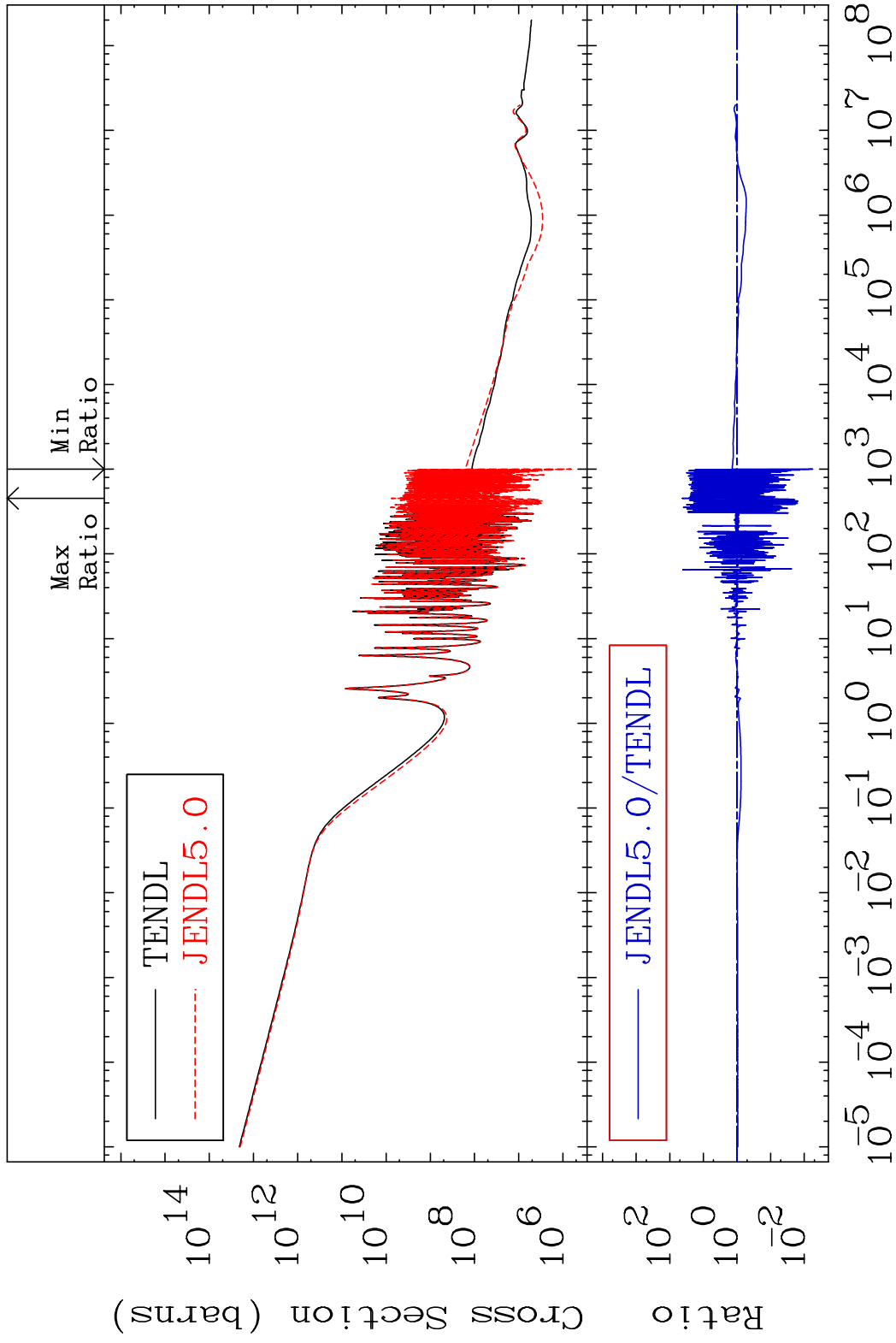
MAT 6434

Kerma capture (mt102) 64-Gd-155  
Cross Section -99.22 To 5702. %



MAT 6434

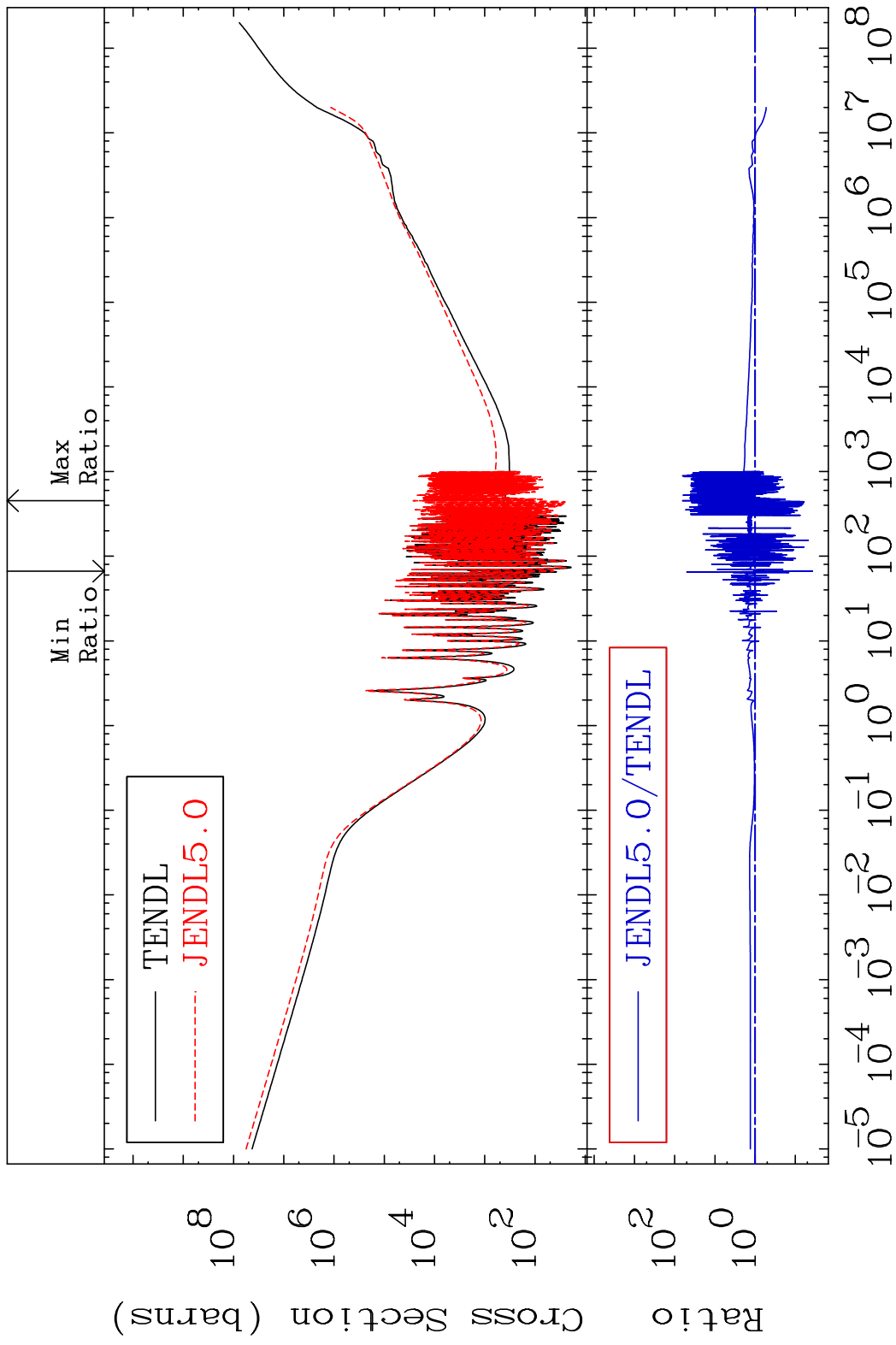
Total photon (eV-barns) 64-Gd-155  
Cross Section -99.43 To 4121. %



59

Incident Energy (eV) 64-Gd-155

MAT 6434 Total kinematic kerma (high limit) 64-Gd-155  
Cross Section -96.26 To 6343. %

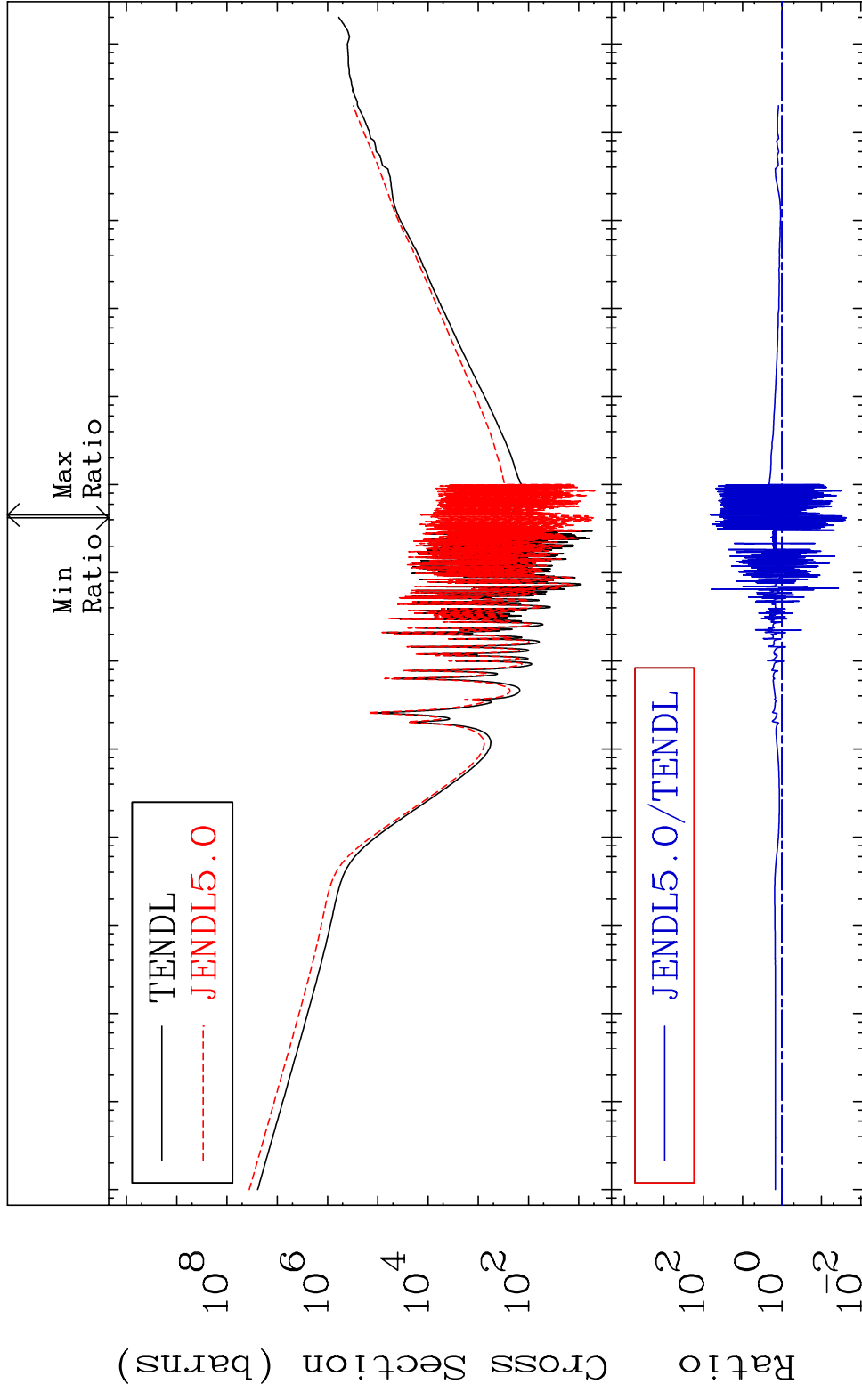


MAT 6434

Dpa total (eV-barns)

64-Gd-155

Cross Section -97.67 To 6391. %

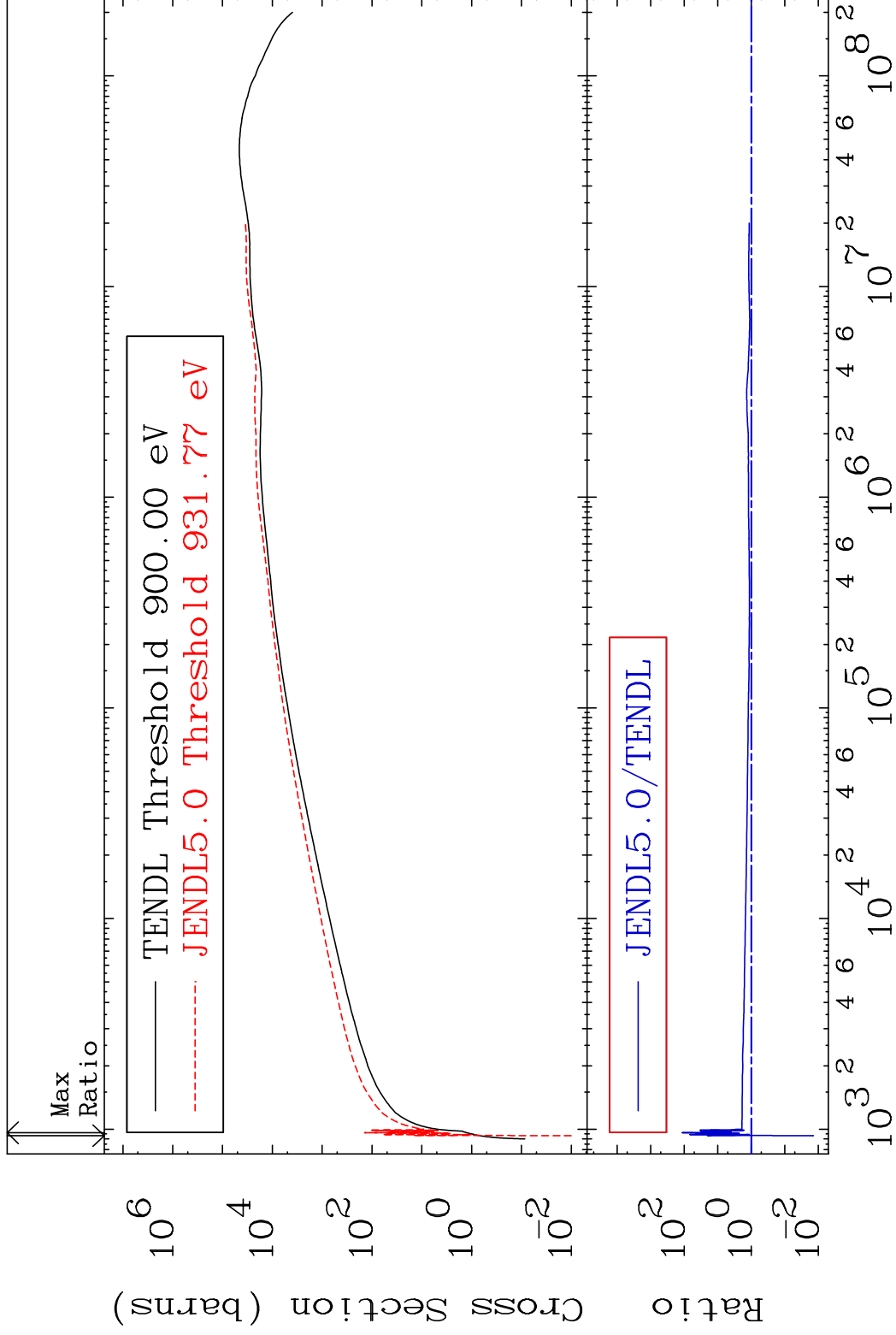


MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -98.52 To 9999. %

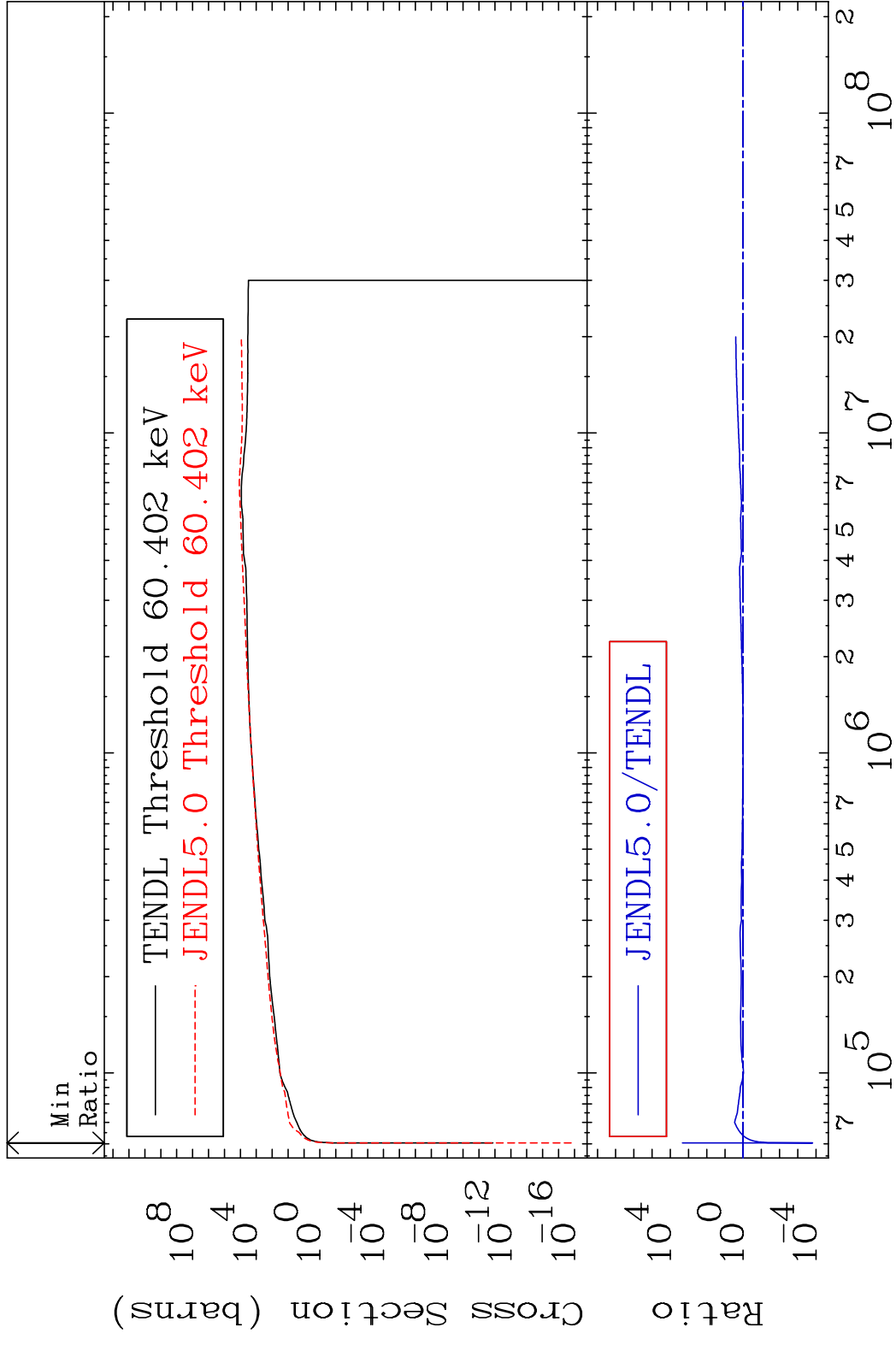


62

Incident Energy (eV)

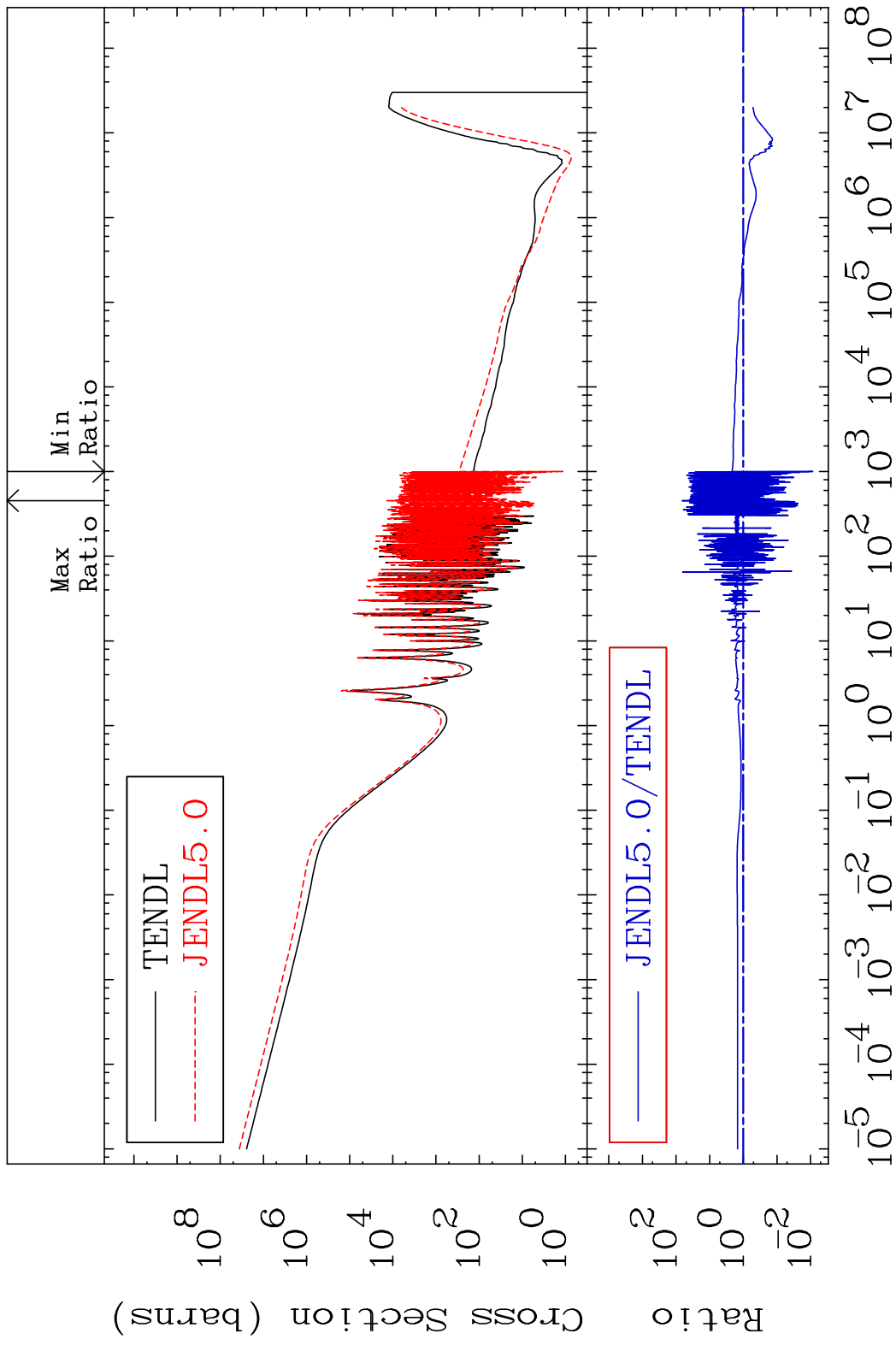
64-Gd-155

MAT 6434      Dpa inelastic (mt51-91)      64-Gd-155  
 Cross Section    -99.98 To 9999. %





MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155  
 Cross Section -99.13 To 6391. %



64 Incident Energy (eV) 64-Gd-155