

Program Complot  
(Version 2021-1)

by

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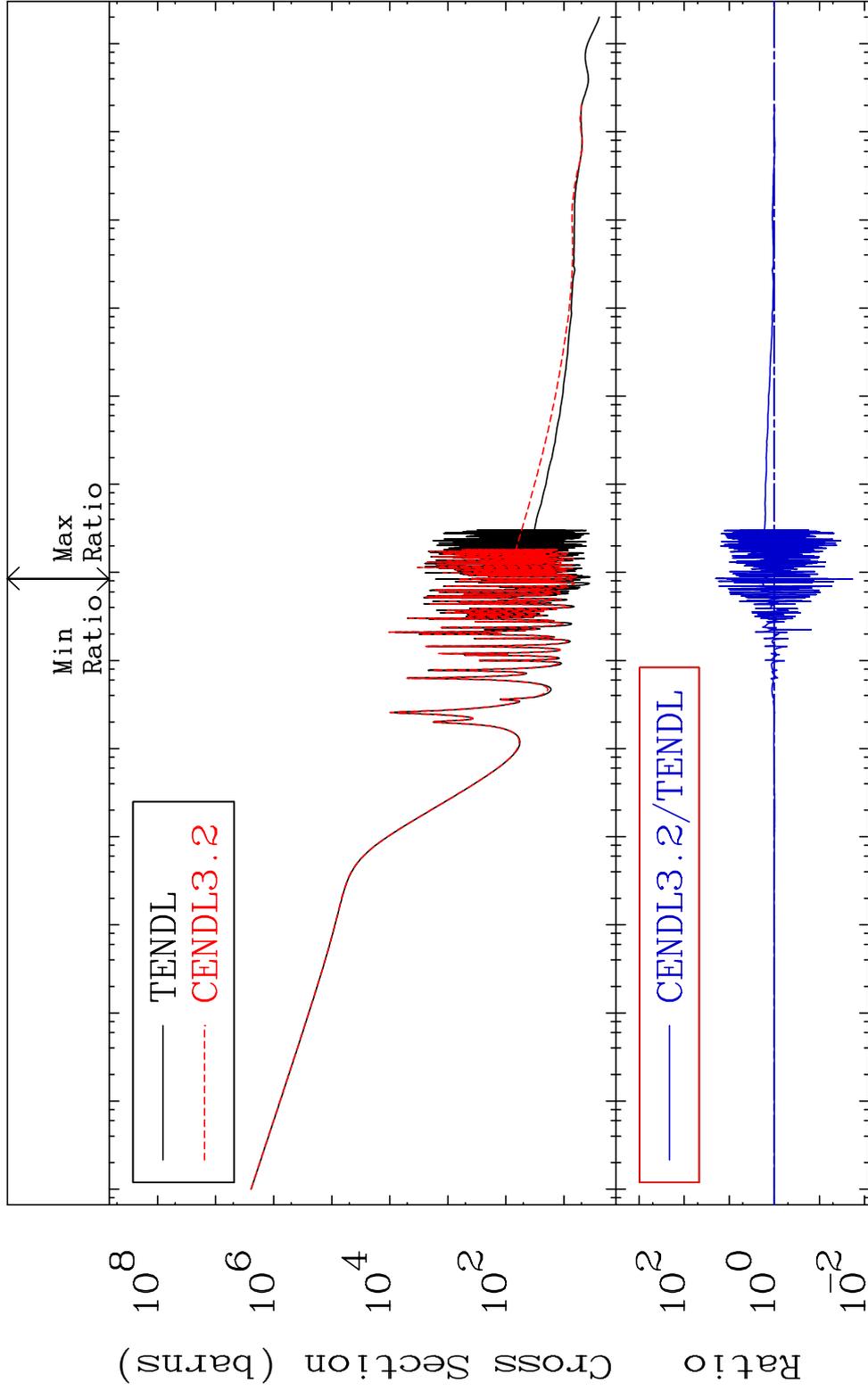
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6434

Total Cross Section -98.15 To 1880. %

64-Gd-155



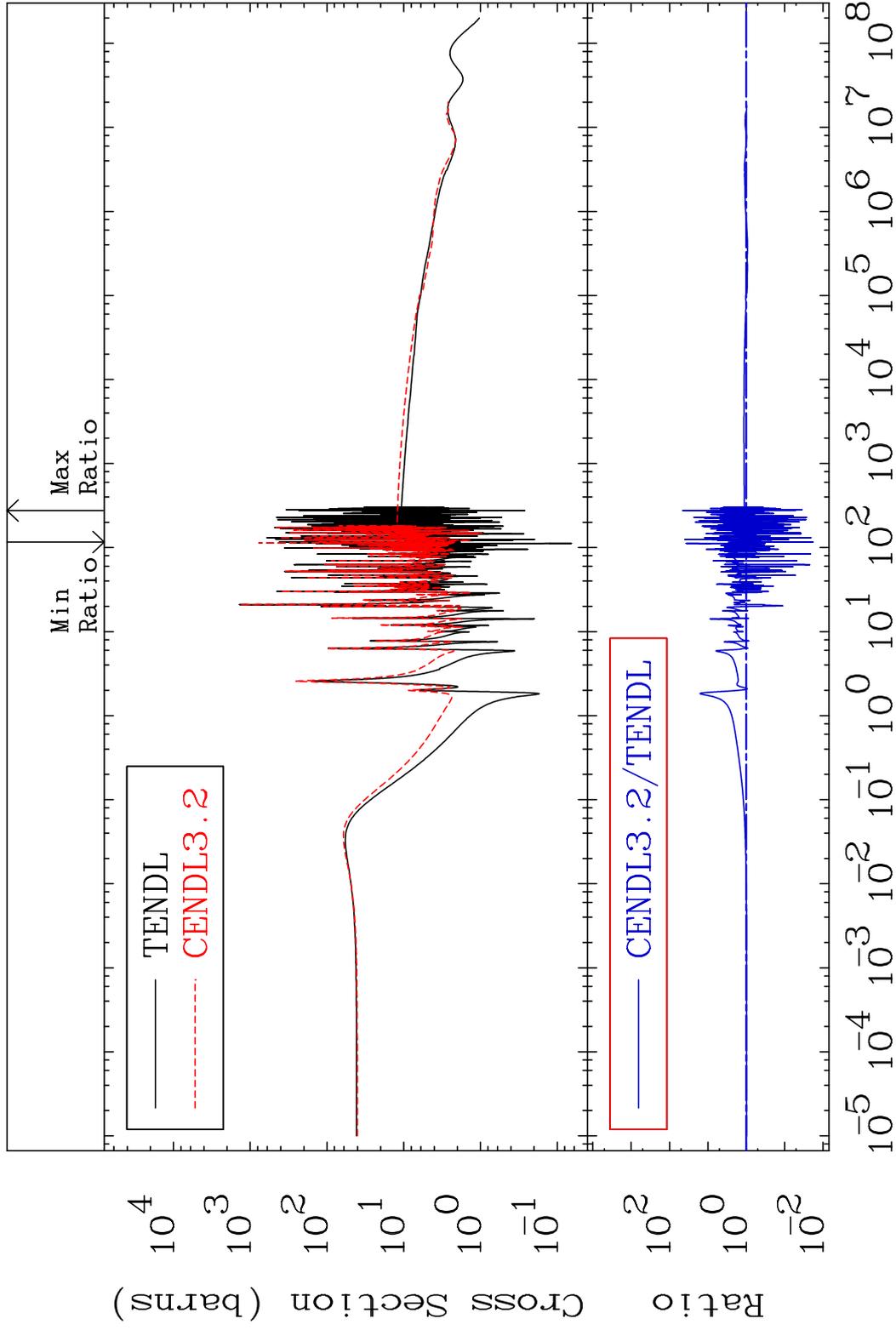
1 Incident Energy (eV) 64-Gd-155

MAT 6434

Elastic

64-Gd-155

Cross Section -98.20 To 4398. %



2

Incident Energy (eV)

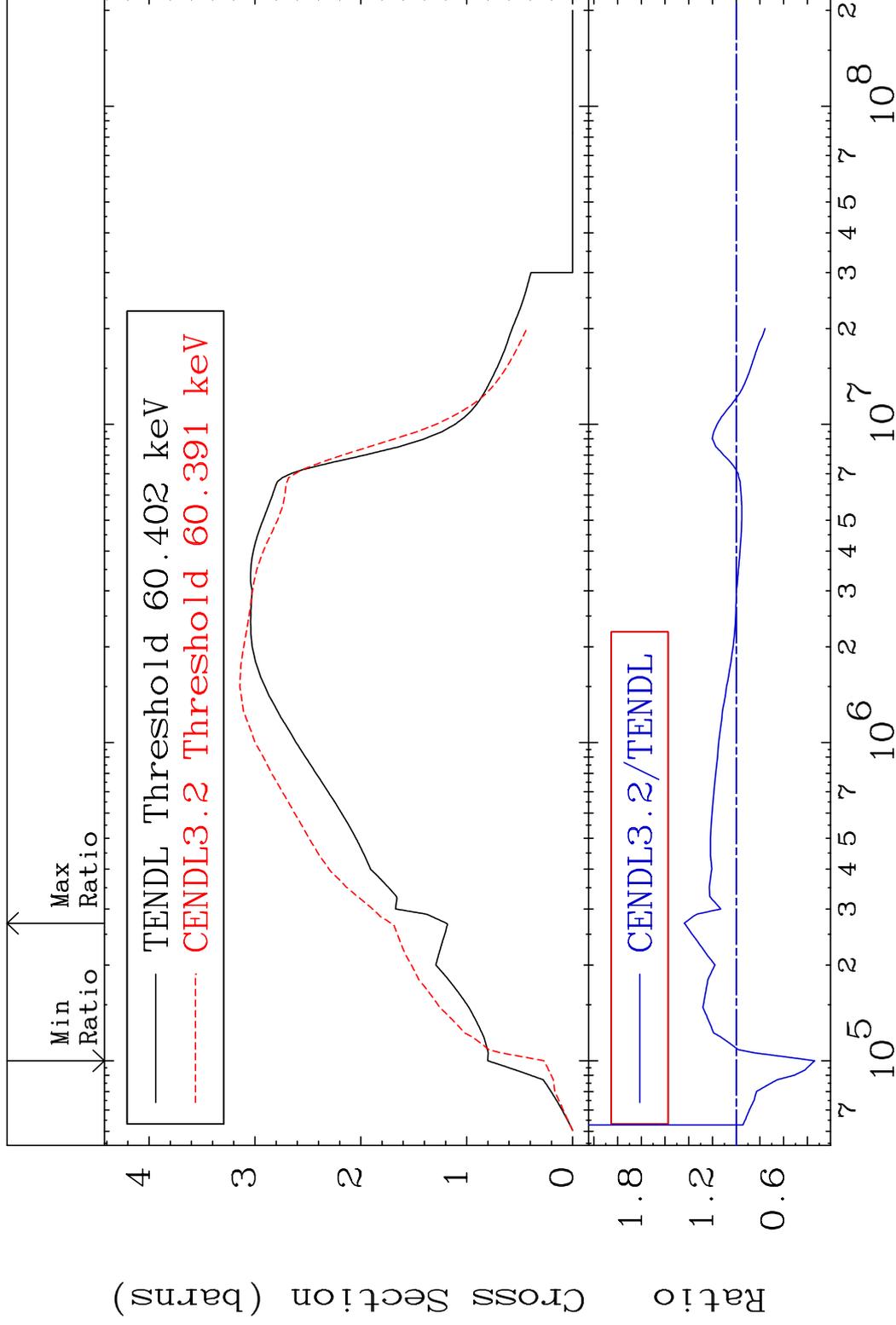
64-Gd-155

MAT 6434

Inelastic

64-Gd-155

Cross Section -66.17 To 43.90 %



3

Incident Energy (eV)

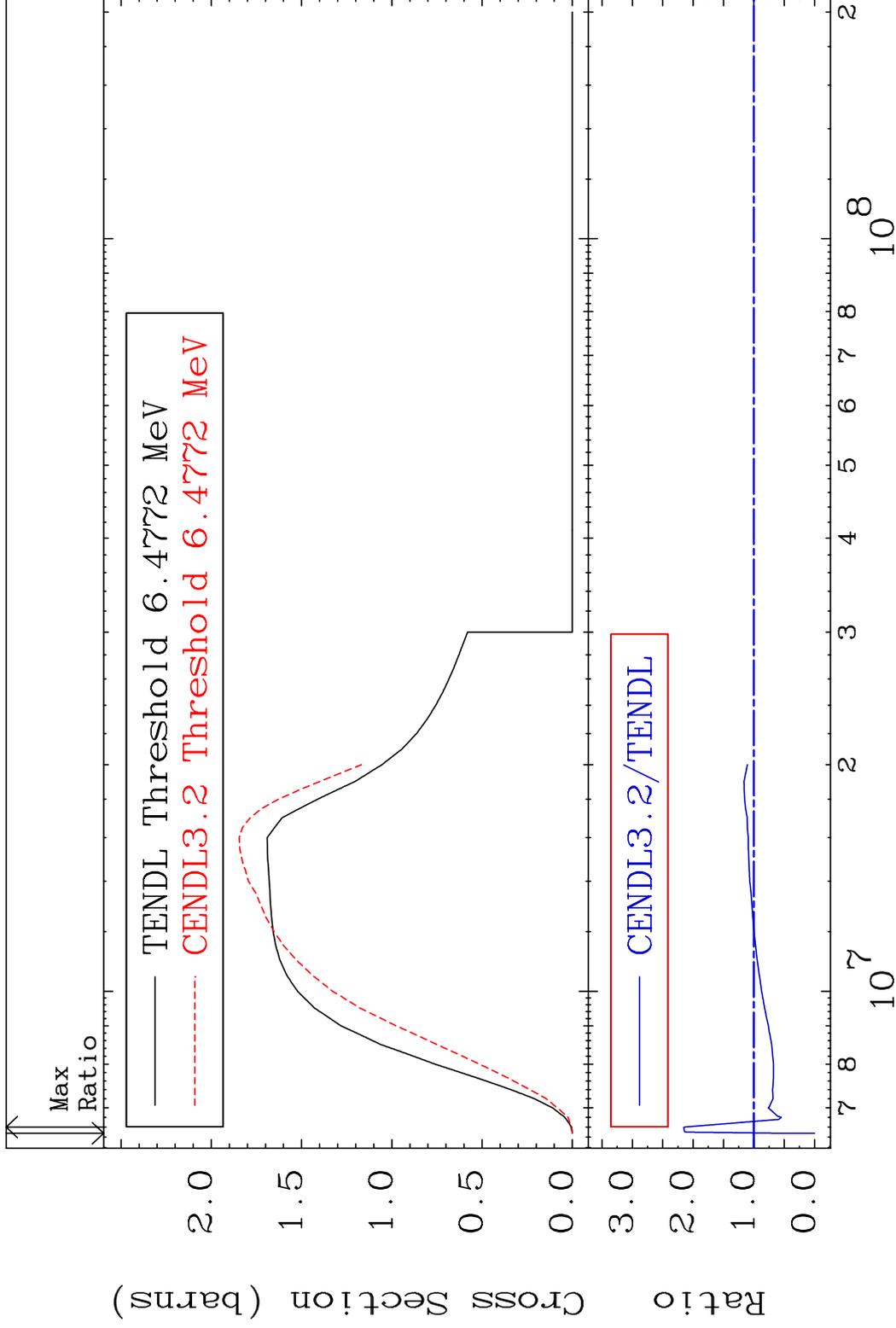
64-Gd-155

MAT 6434

(n,2n)

64-Gd-155

Cross Section -100.0 To 115.2 %



4

Incident Energy (eV)

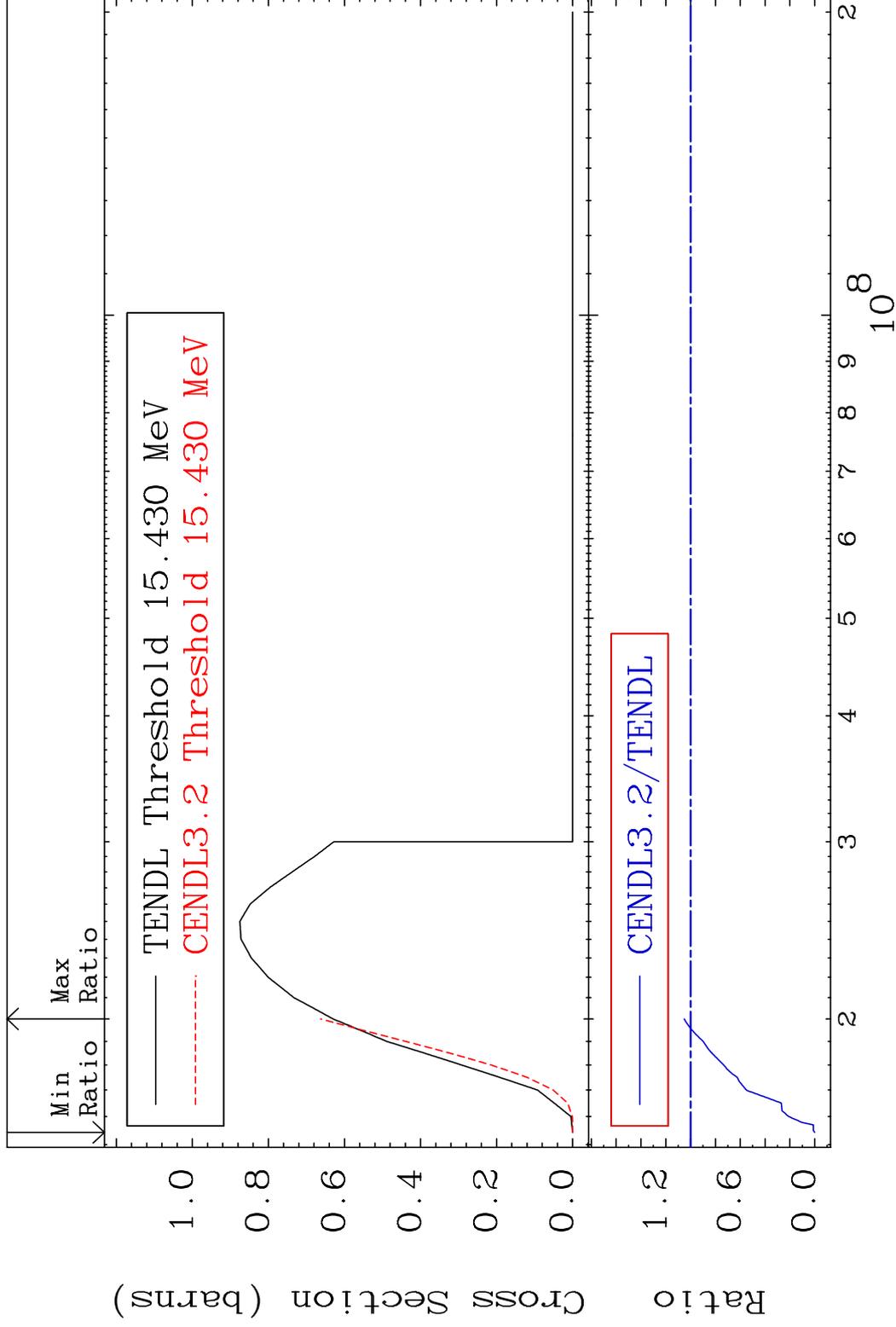
64-Gd-155

MAT 6434

(n,3n)

64-Gd-155

Cross Section -100.0 To 5.206 %



5

Incident Energy (eV)

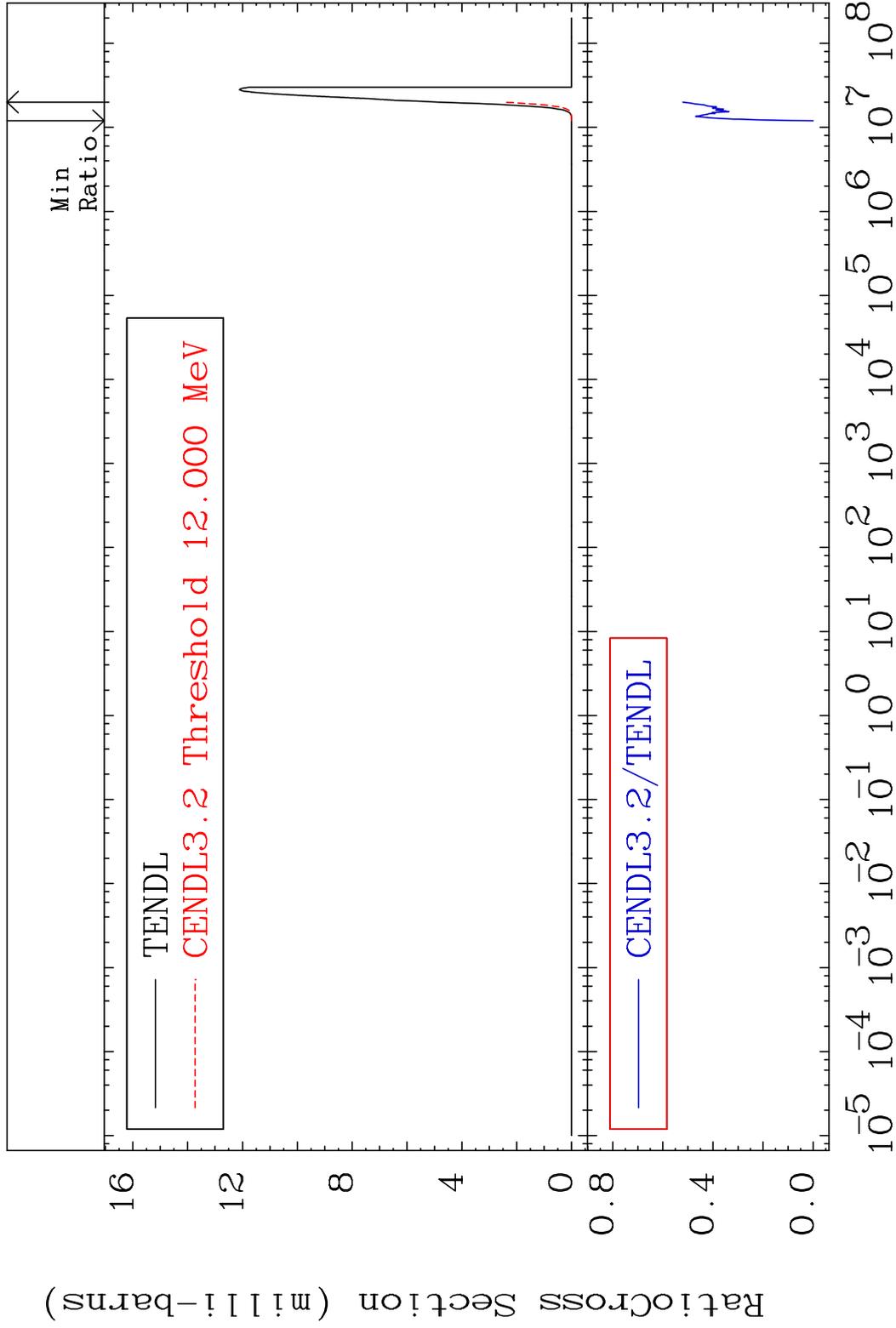
64-Gd-155

MAT 6434

(n, n')  $\alpha$

64-Gd-155

Cross Section -100.0 To -47.97%



6

Incident Energy (eV)

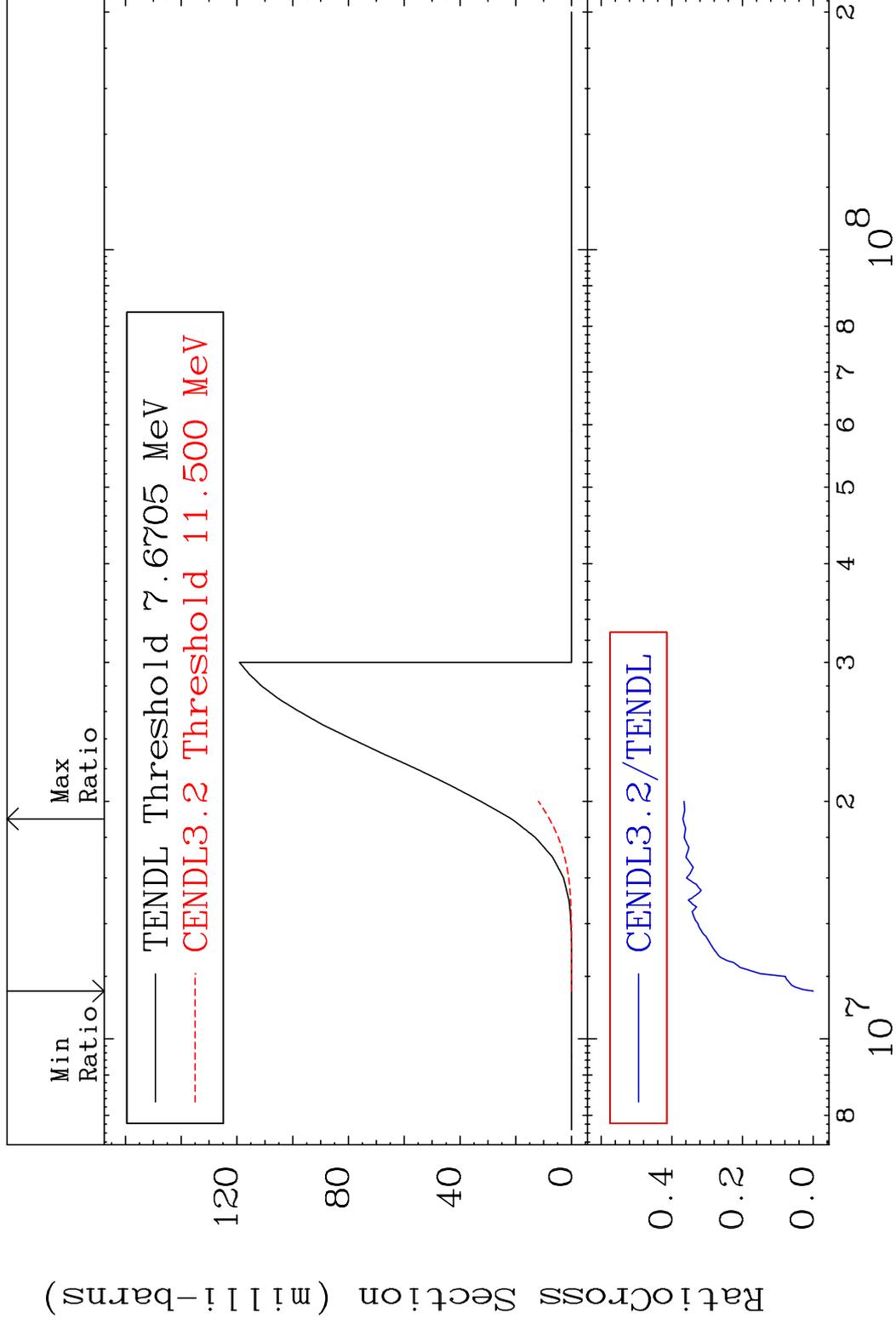
64-Gd-155

MAT 6434

(n, n') p

64-Gd-155

Cross Section -100.0 To -63.12%

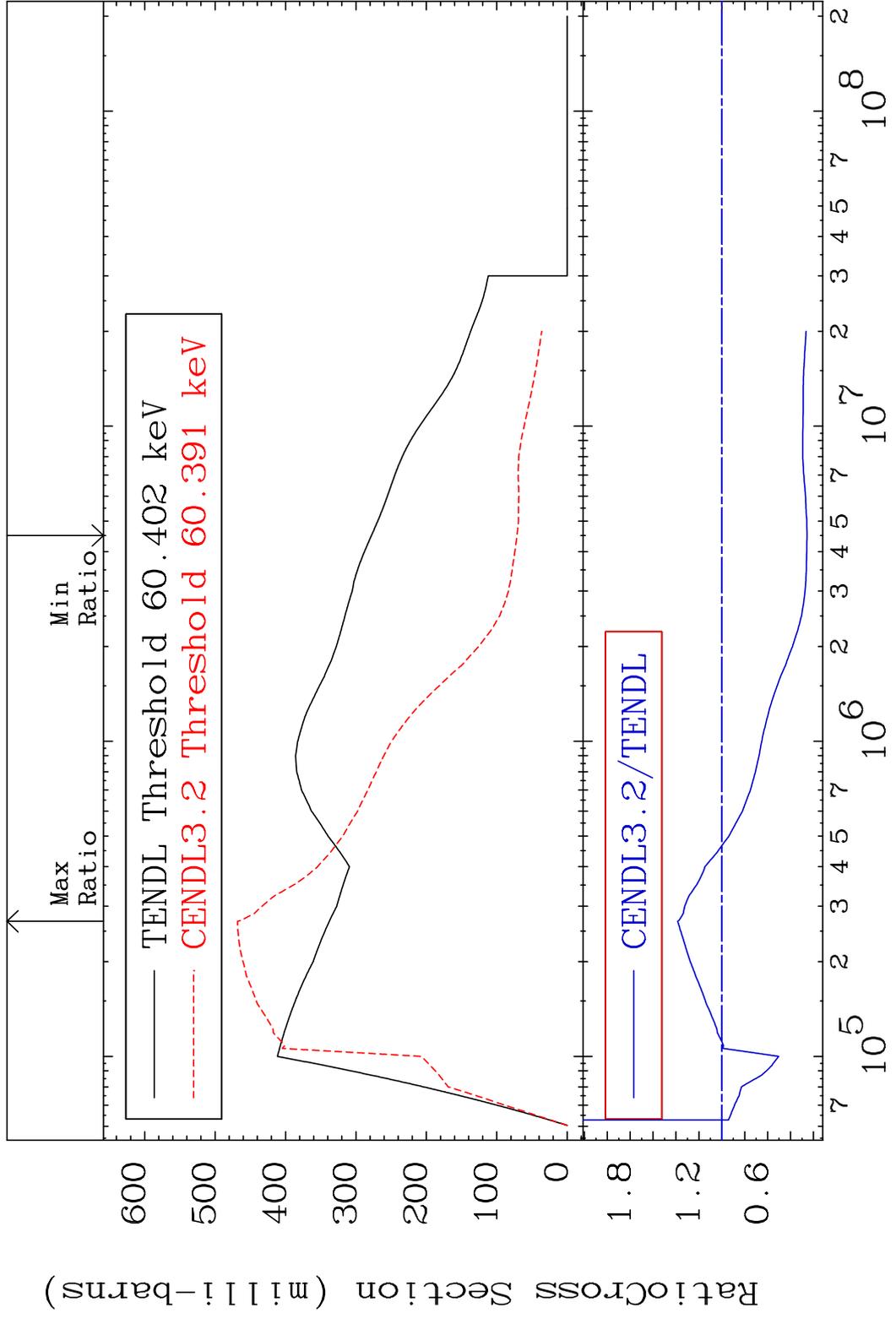


7

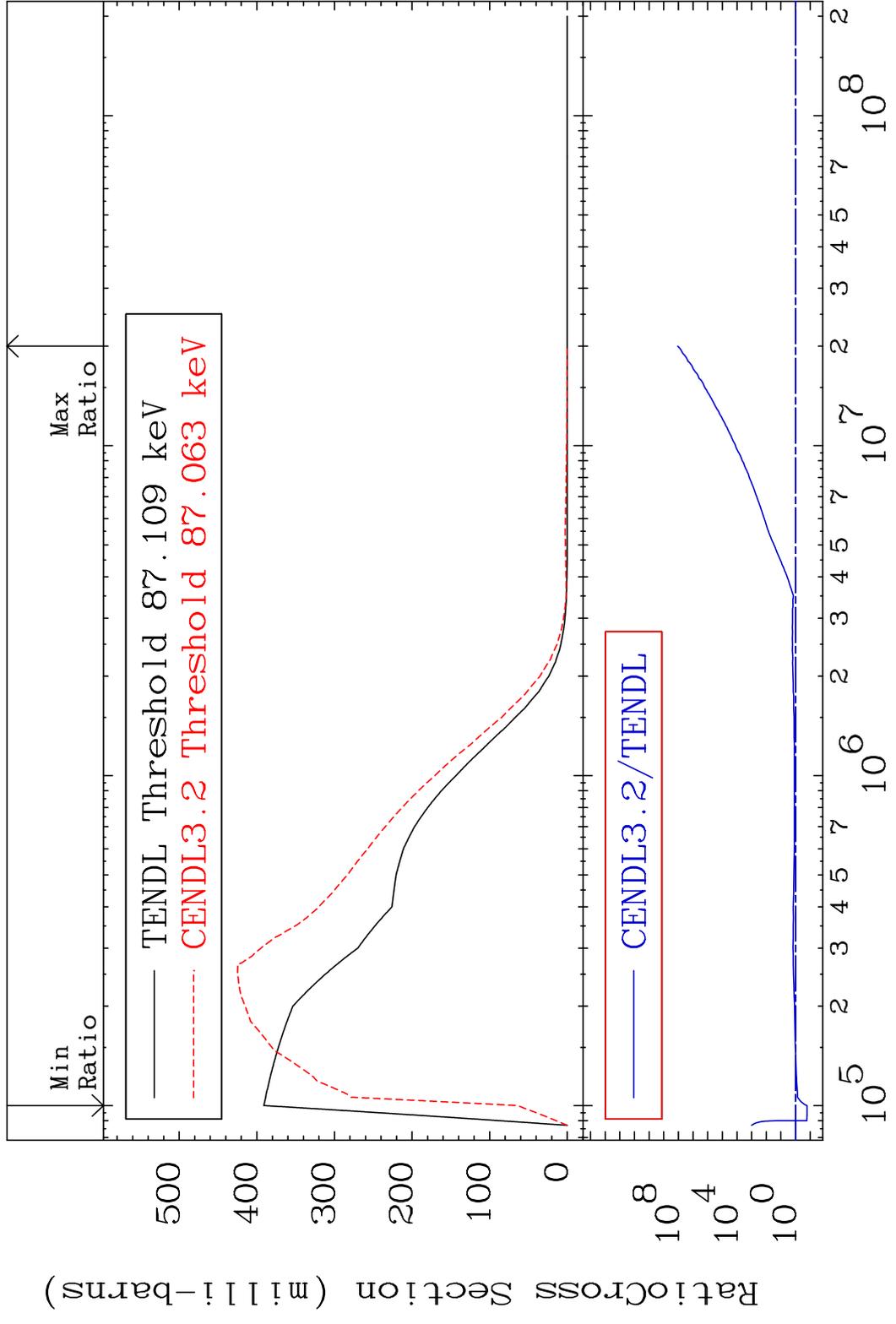
Incident Energy (eV)

64-Gd-155

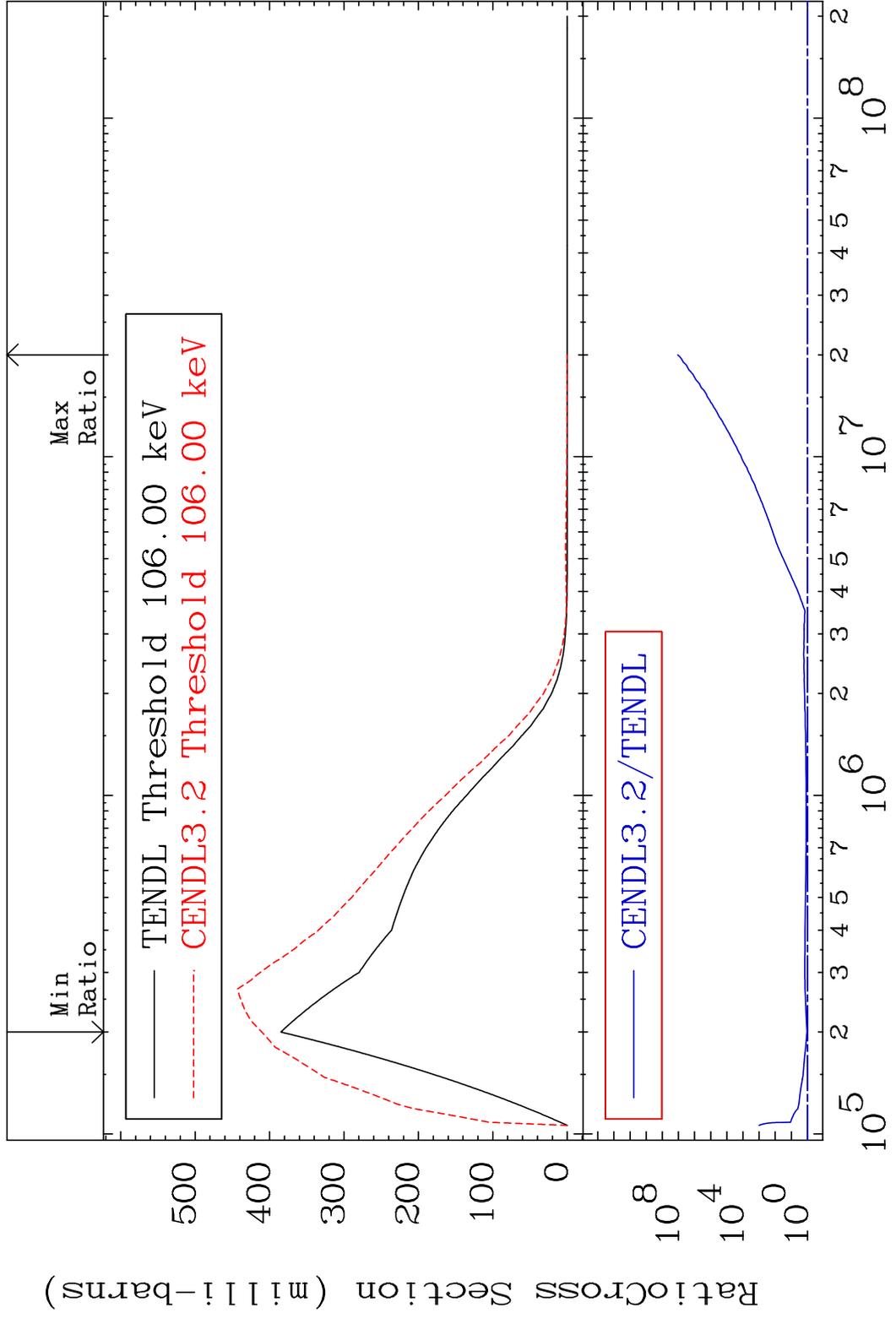
MAT 6434 MT= 51 (n, n') Level 64-Gd-155  
 Cross Section -74.39 To 38.55 %



MAT 6434 MT= 52 (n,n') Level 64-Gd-155  
 Cross Section -83.54 To 9999. %

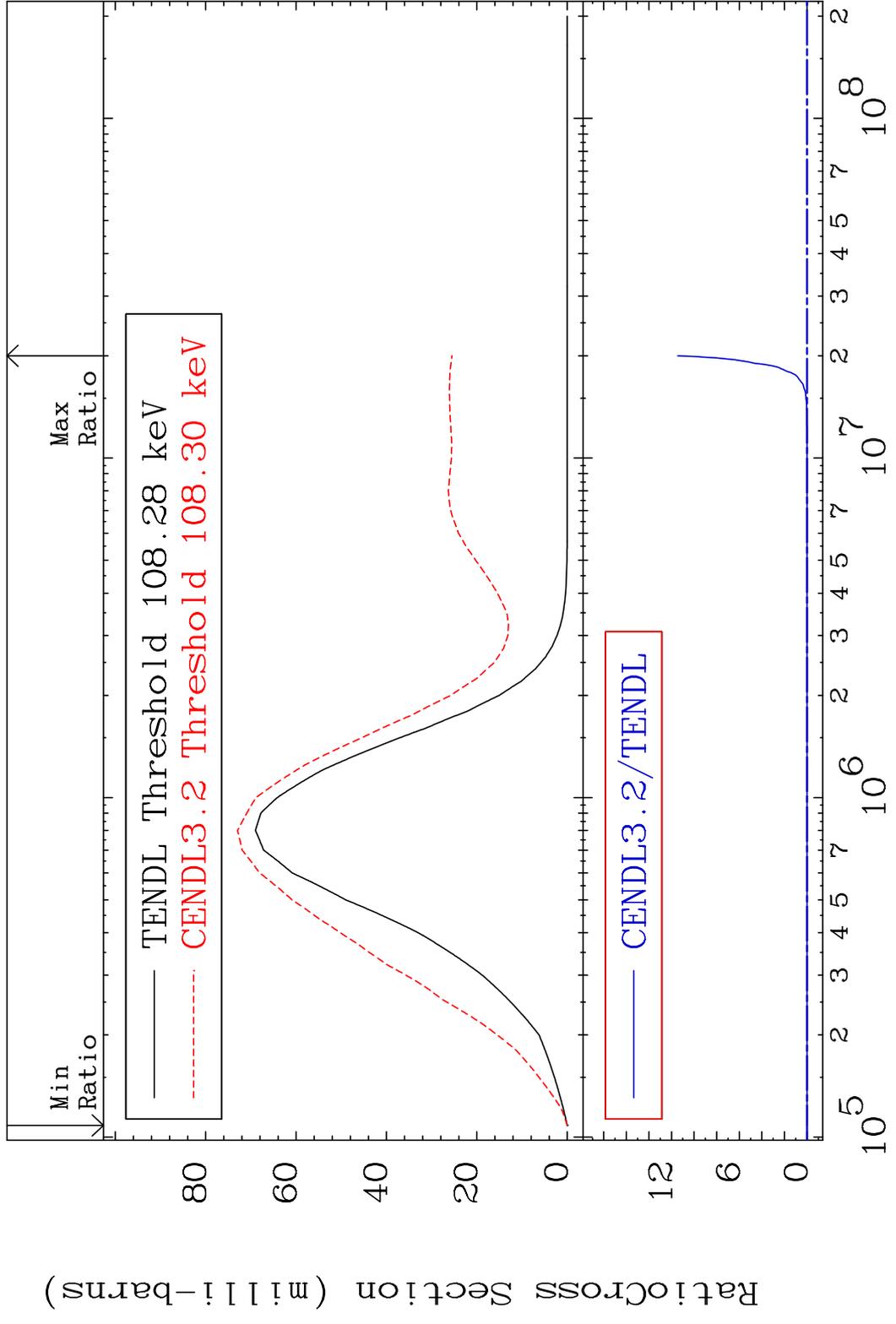


MAT 6434 MT= 53 (n,n') Level 64-Gd-155  
 Cross Section 6.660 To 9999. %

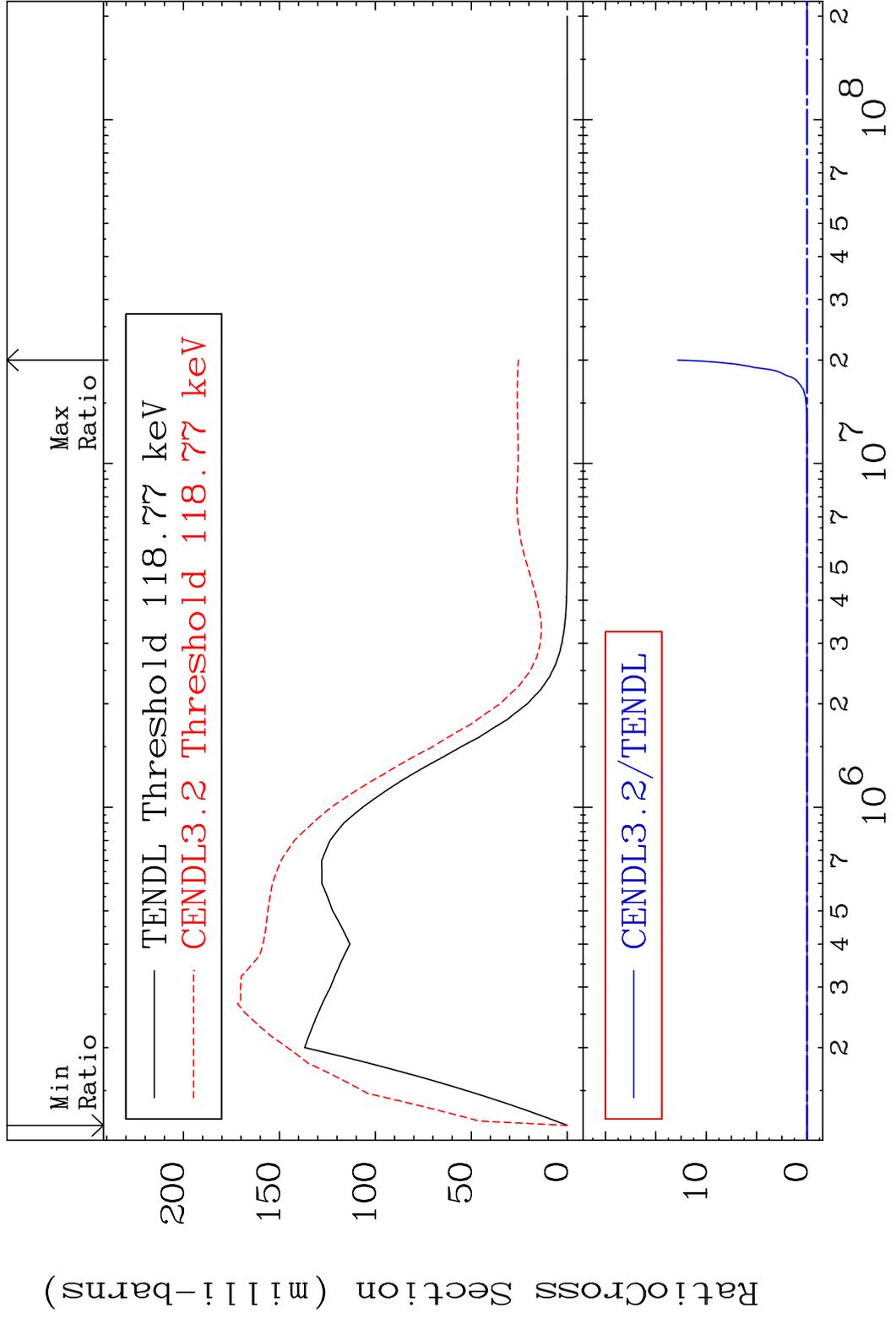


10 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 6 7 8 2 64-Gd-155

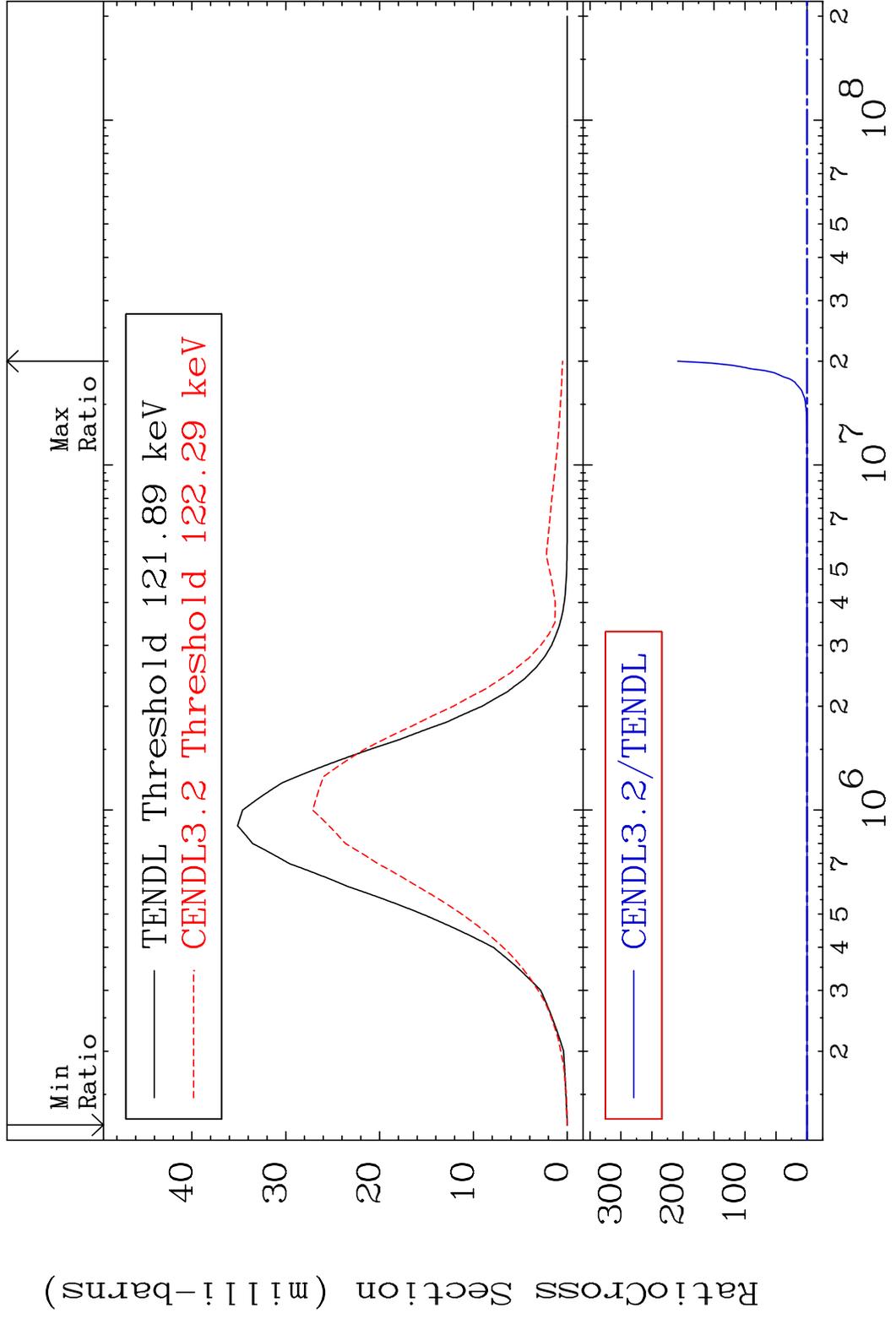
MAT 6434 MT= 54 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



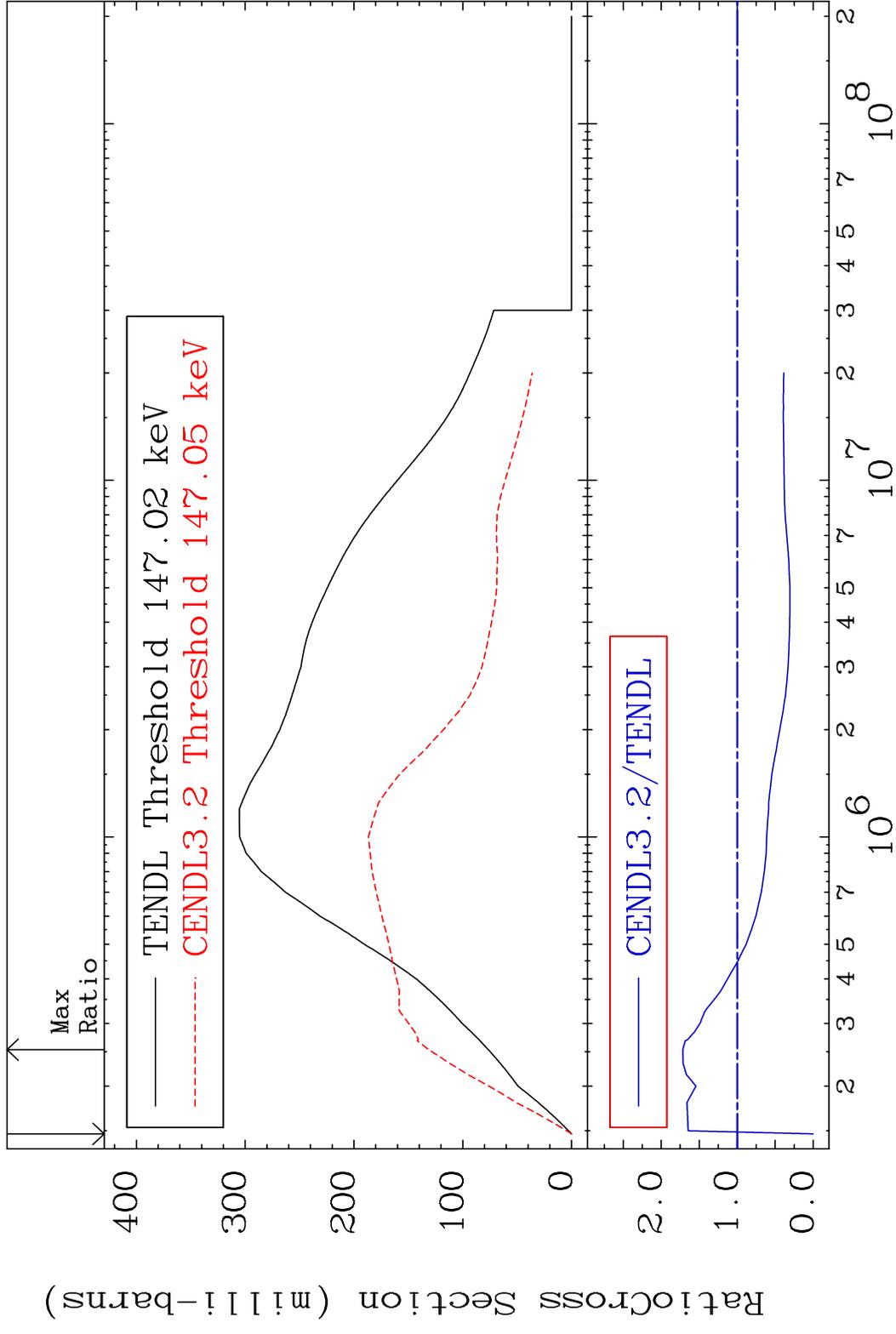
MAT 6434 MT= 55 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



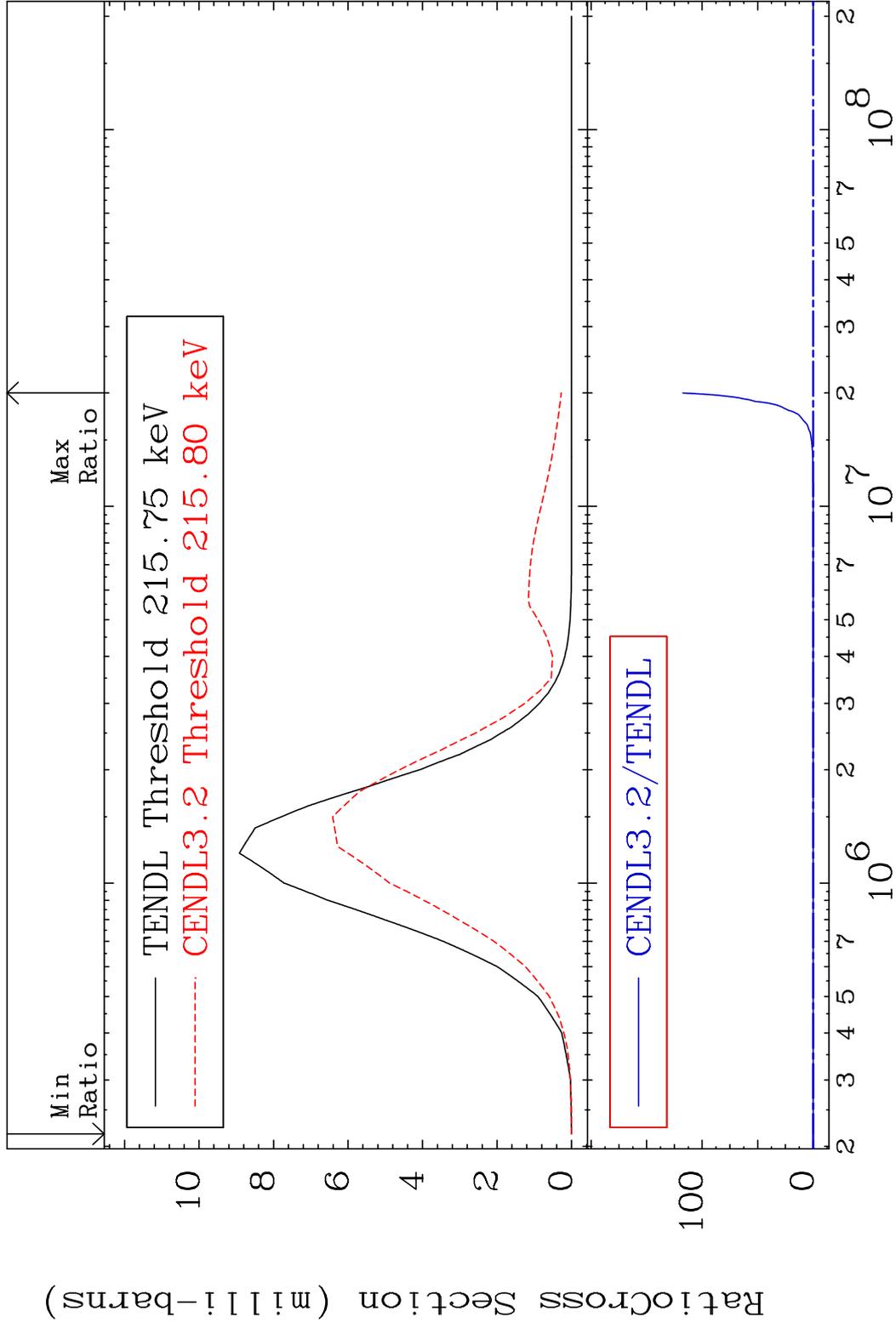
MAT 6434 MT= 56 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



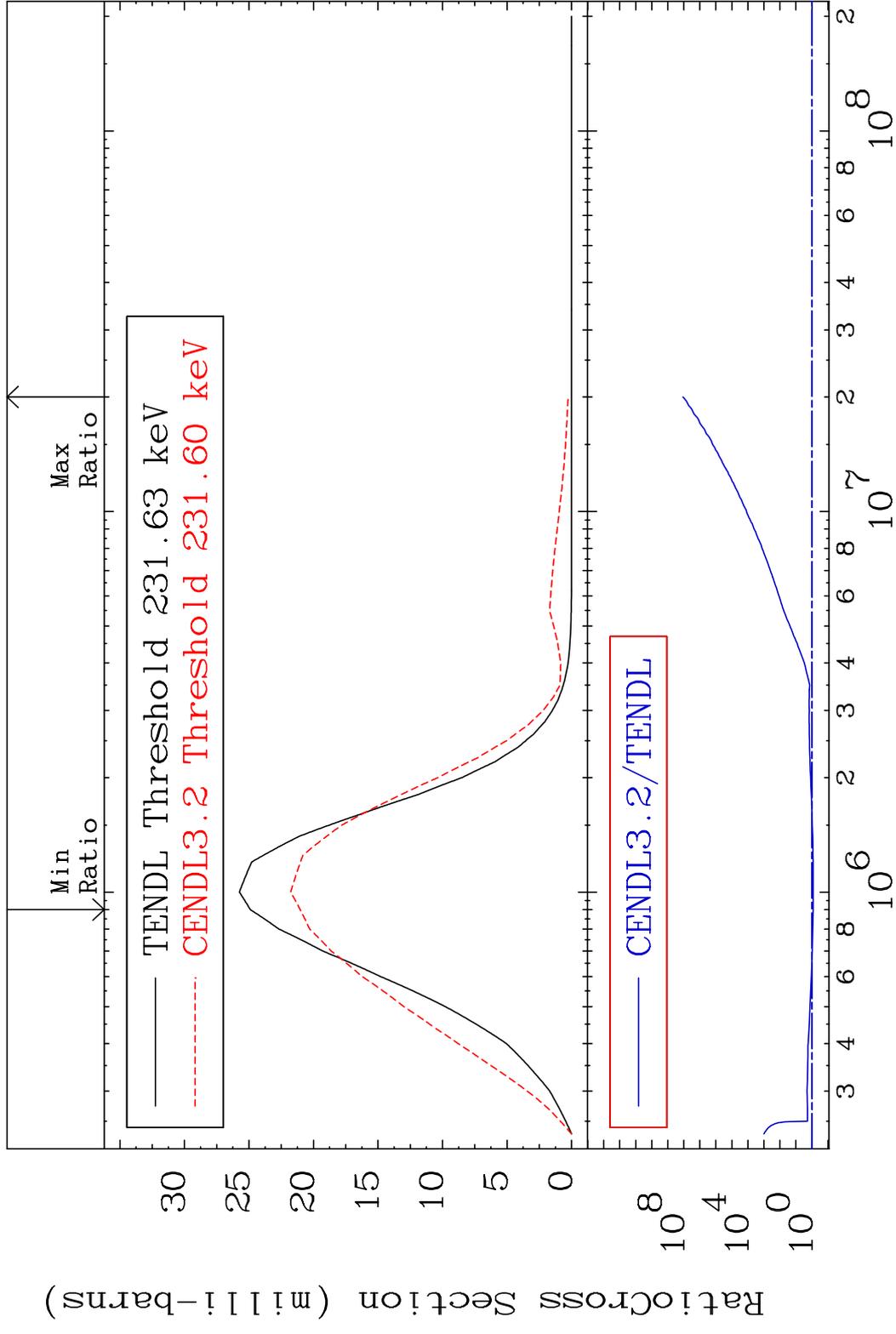
MAT 6434 MT= 57 (n, n') Level 64-Gd-155  
 Cross Section -100.0 To 71.55 %



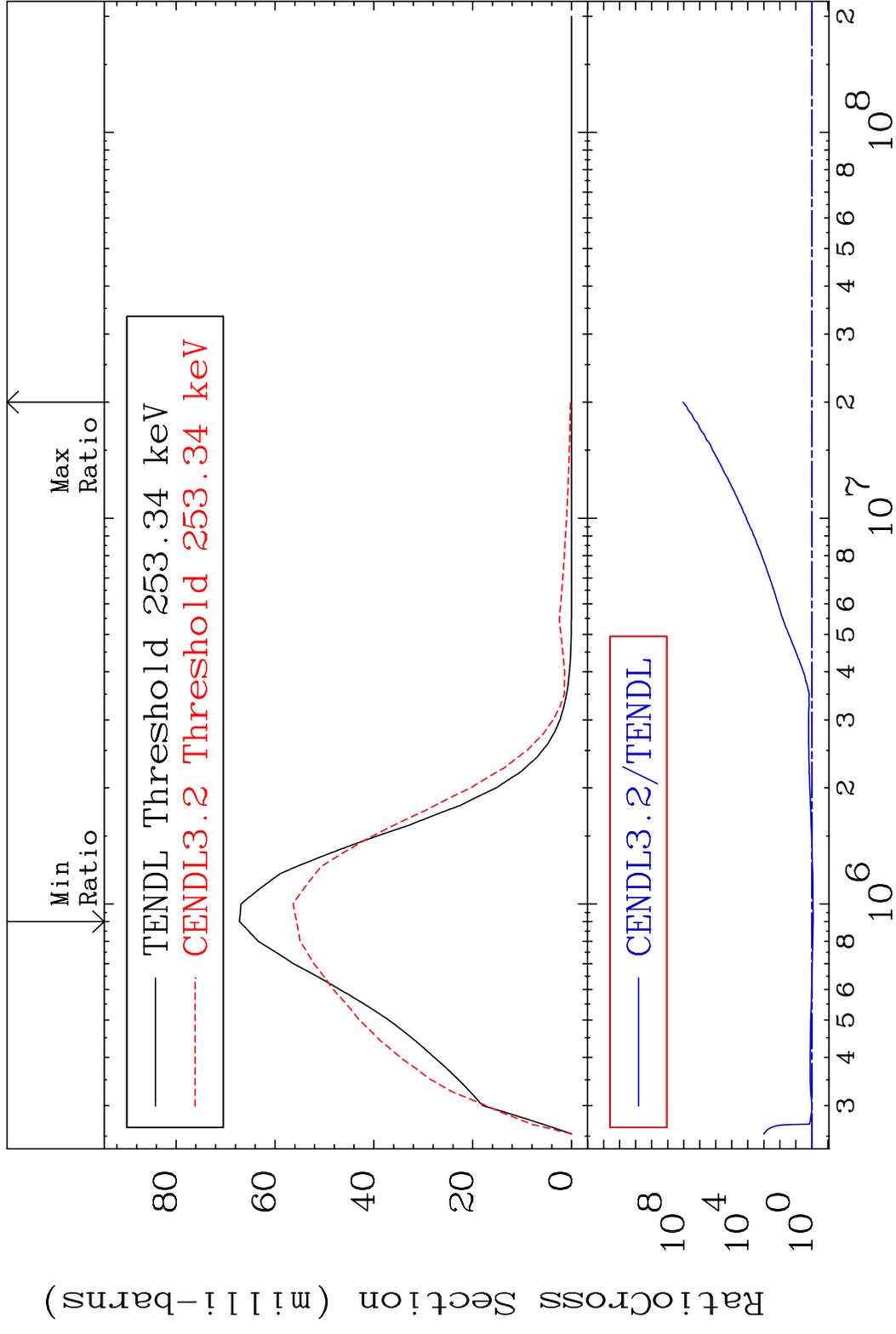
MAT 6434 MT= 58 (n,n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



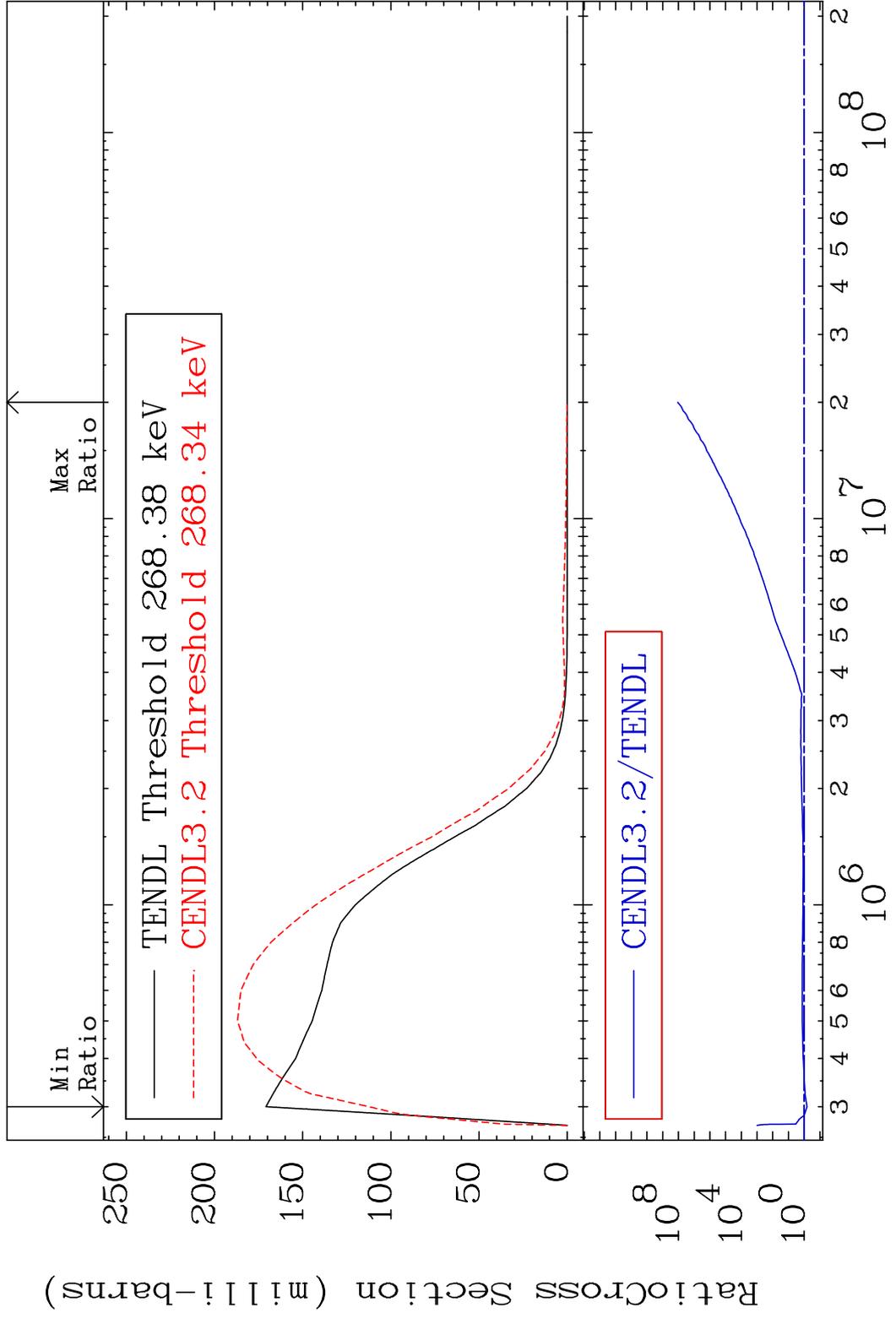
MAT 6434 MT= 59 (n, n') Level 64-Gd-155  
 Cross Section -15.52 To 9999. %



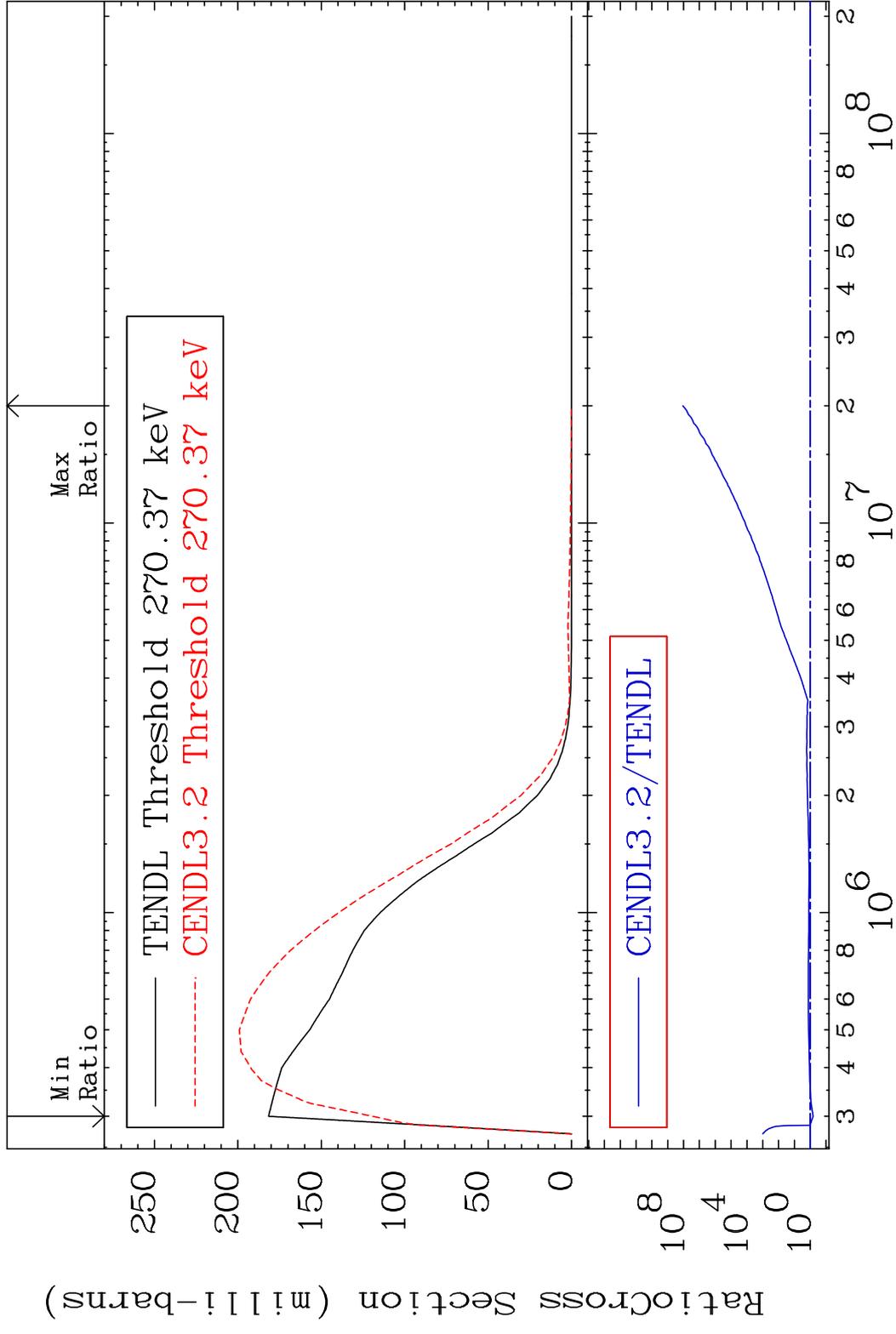
MAT 6434 MT= 60 (n, n') Level 64-Gd-155  
 Cross Section -17.20 To 9999. %



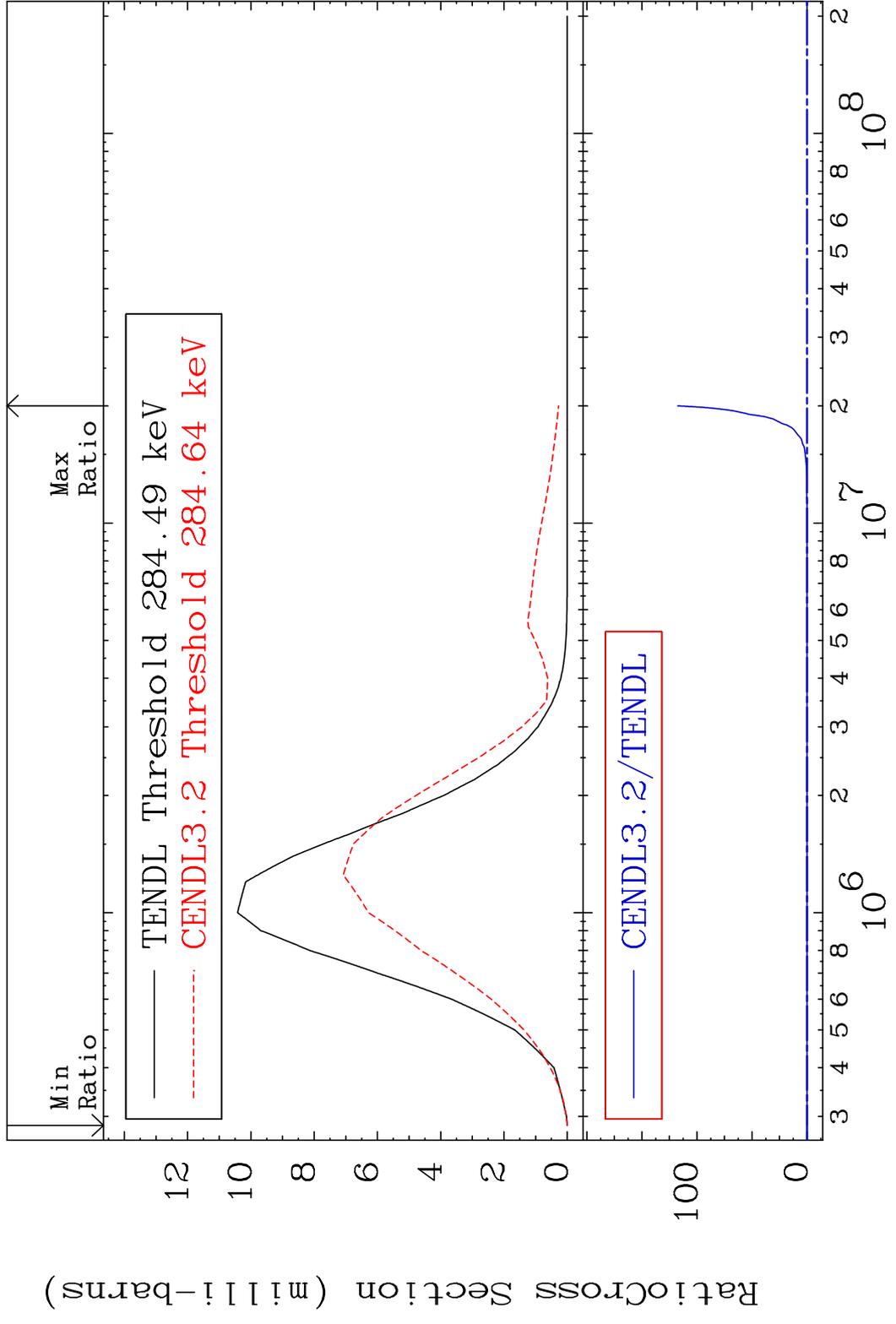
MAT 6434 MT= 61 (n,n') Level 64-Gd-155  
 Cross Section -34.09 To 9999. %



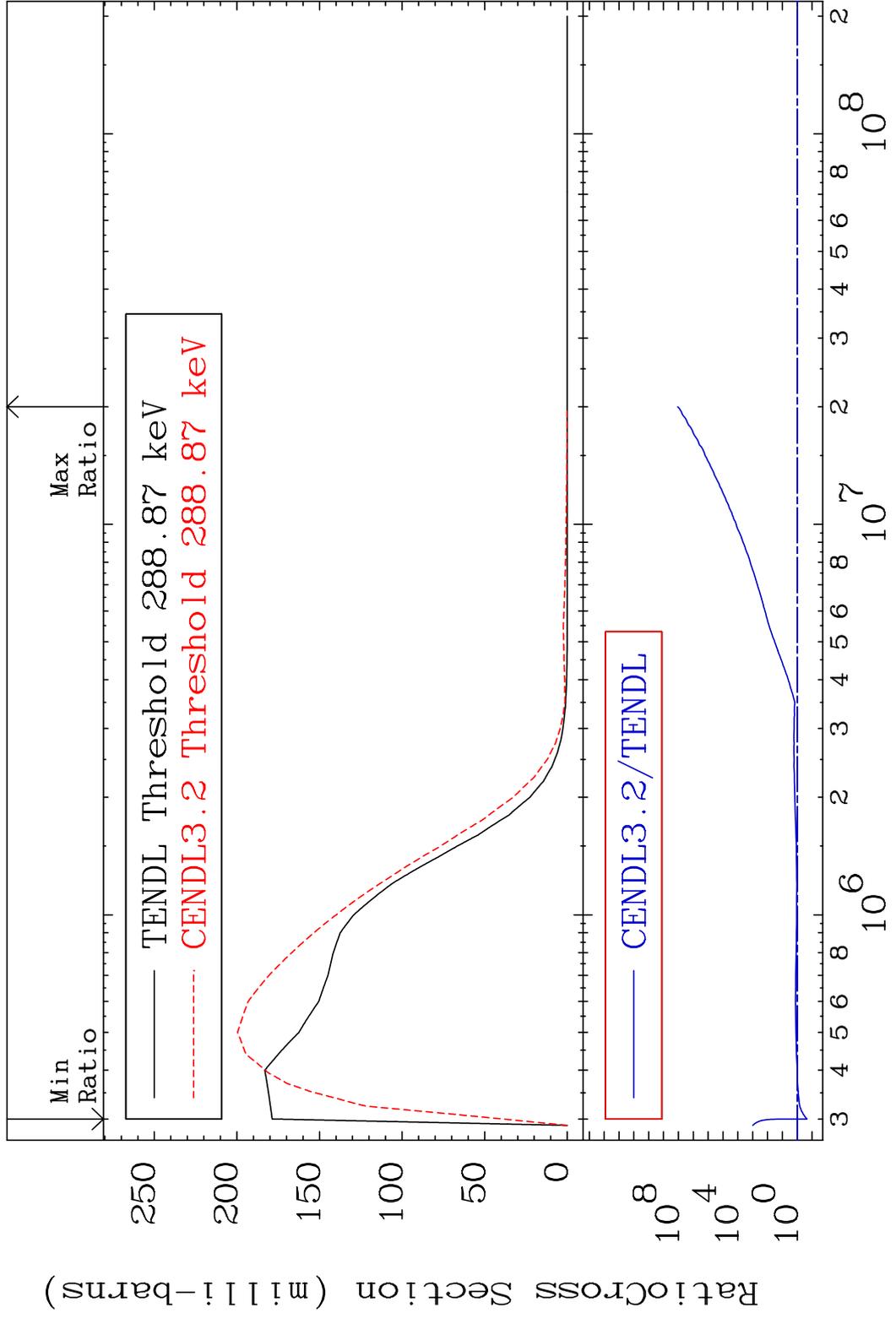
MAT 6434 MT= 62 (n,n') Level 64-Gd-155  
 Cross Section -34.31 To 9999. %



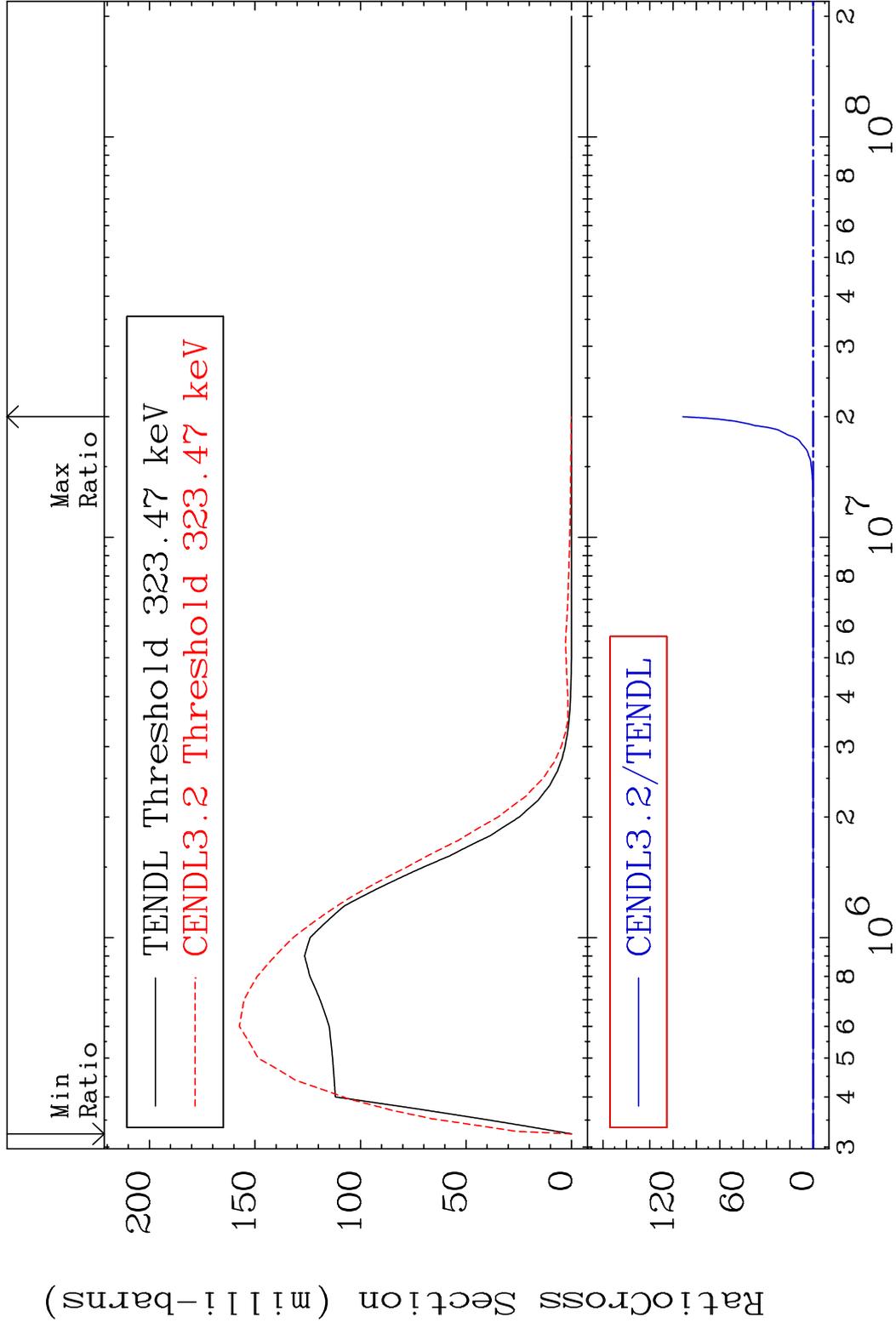
MAT 6434 MT= 63 (n, n') Level 64-Gd-155  
 Cross Section -100.0 To 9999. %



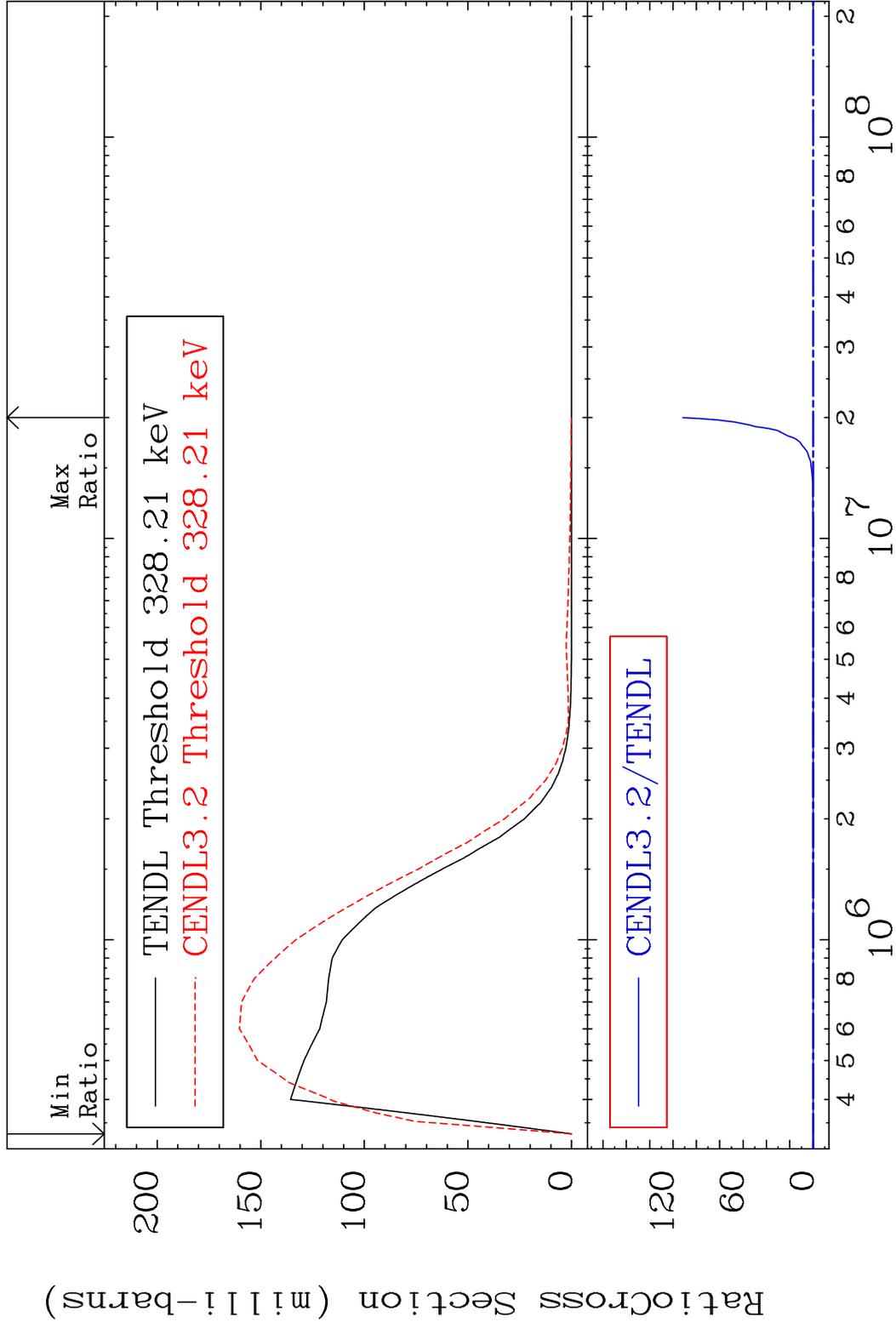
MAT 6434 MT= 64 (n,n') Level 64-Gd-155  
 Cross Section -78.10 To 9999. %



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. %

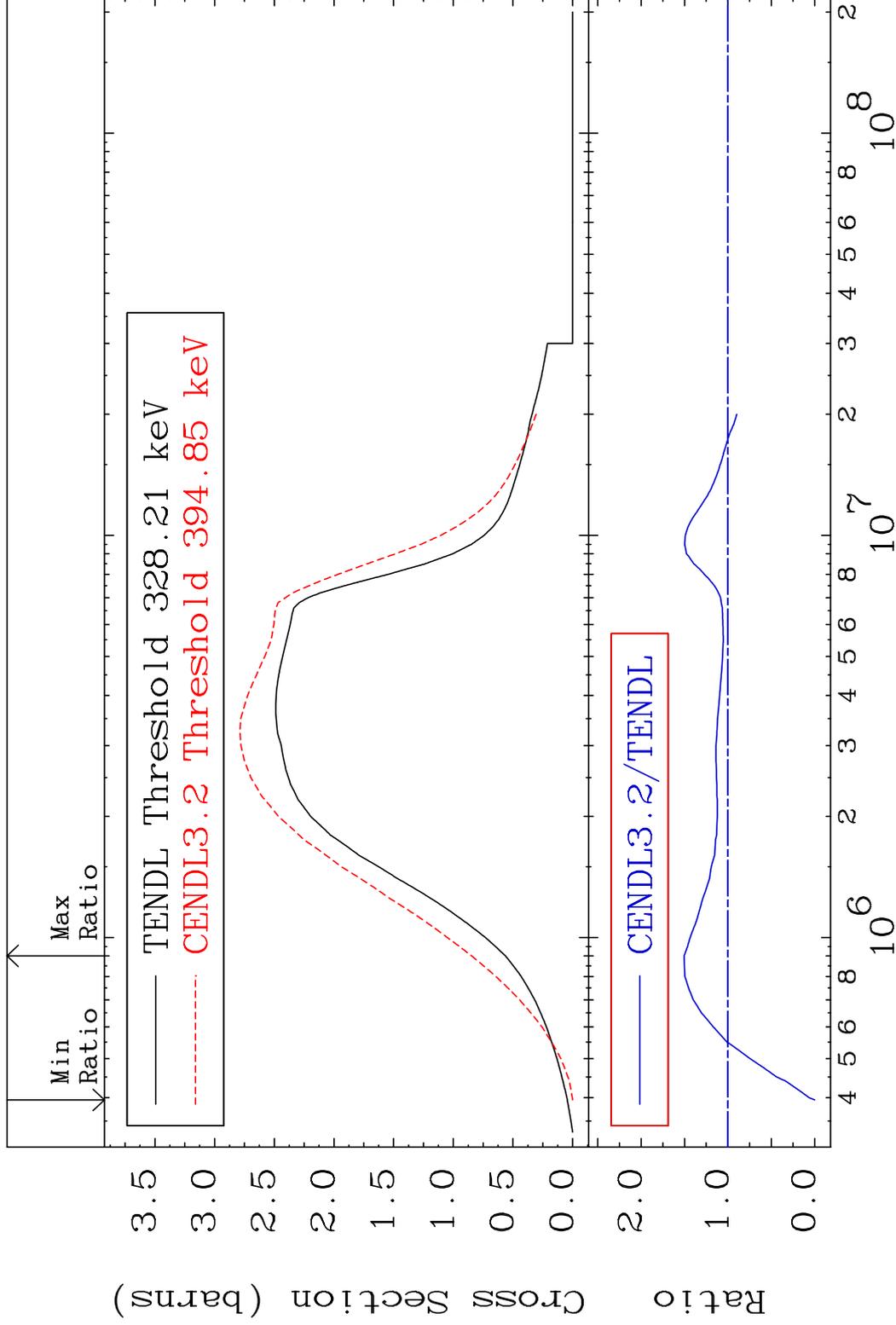


MAT 6434

(n, n') Continuum

64-Gd-155

Cross Section -100.0 To 50.44 %



24

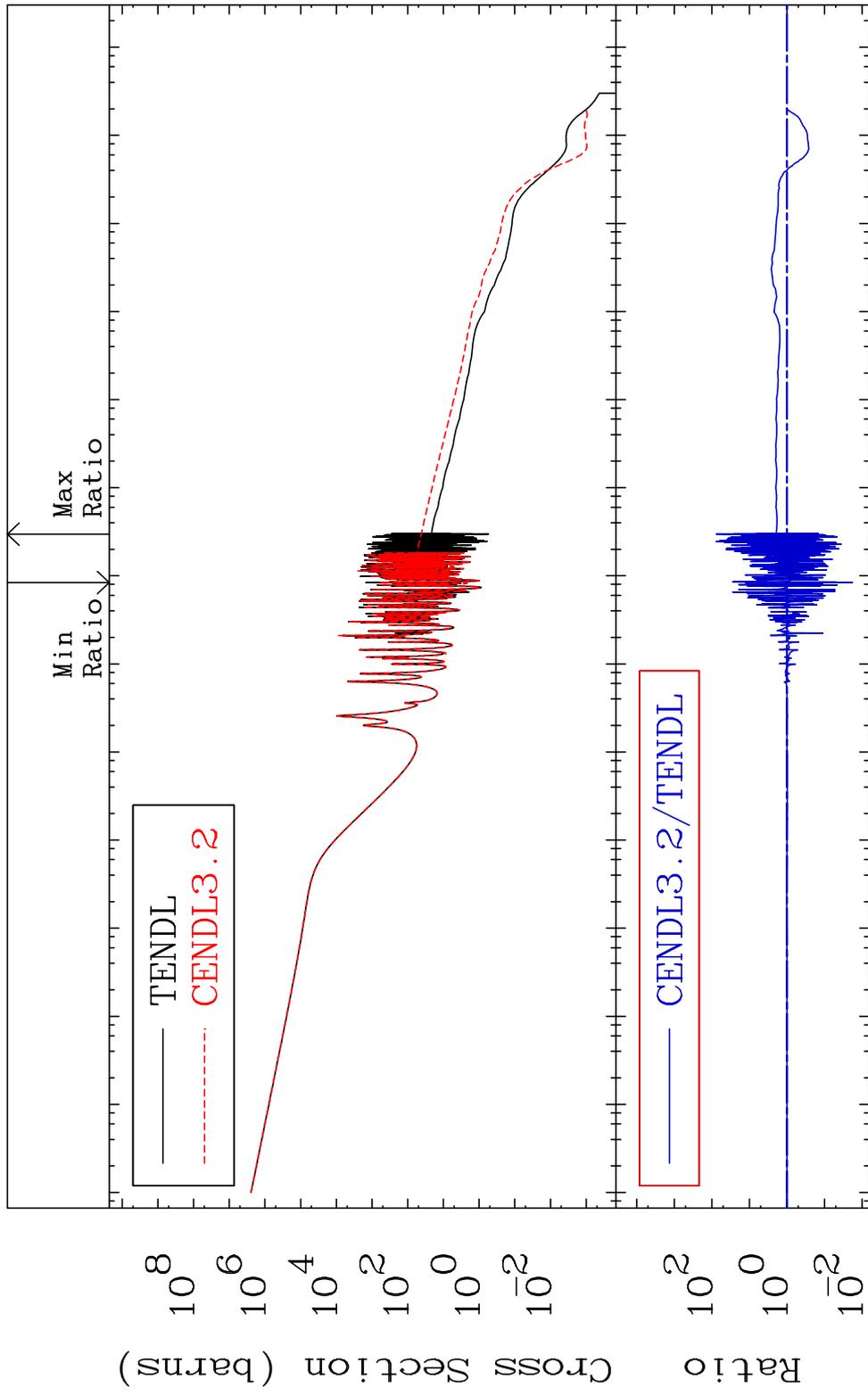
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,  $\gamma$ )  
Cross Section -98.19 To 7696. %

64-Gd-155



25

Incident Energy (eV)

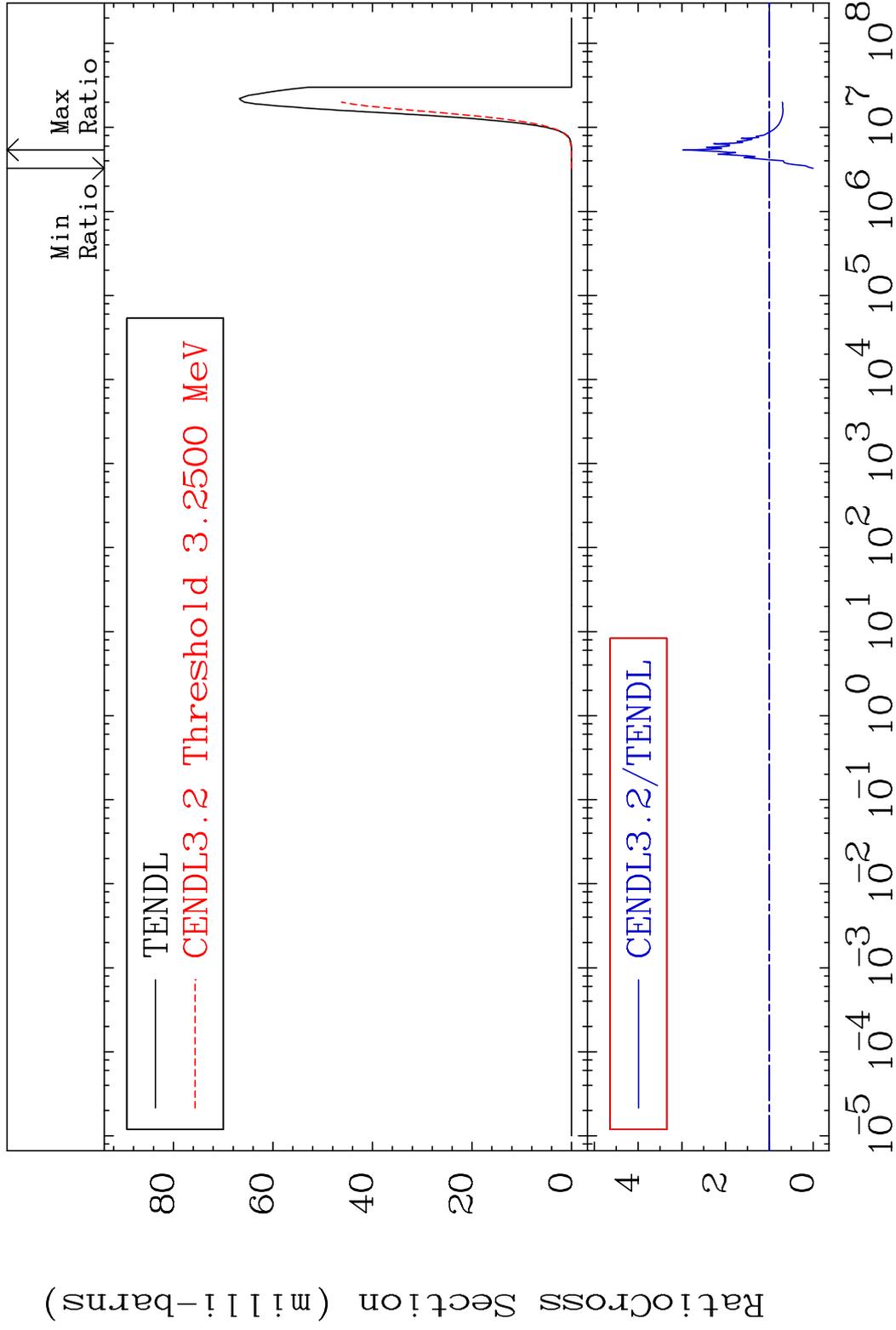
64-Gd-155

MAT 6434

(n, p)

64-Gd-155

Cross Section -100.0 To 197.8 %



26

Incident Energy (eV)

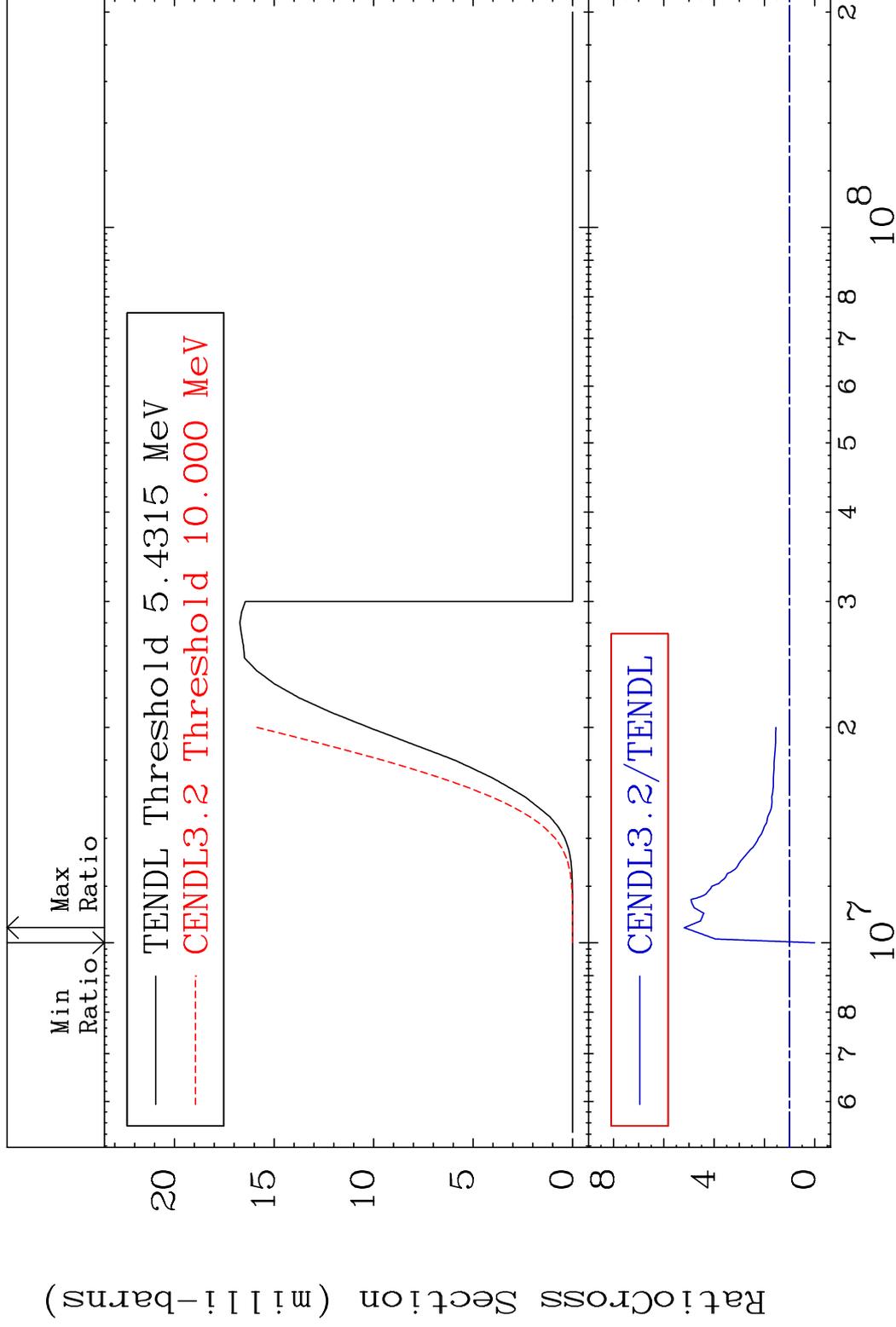
64-Gd-155

MAT 6434

(n, d)

64-Gd-155

Cross Section -100.0 To 419.3 %



27

Incident Energy (eV)

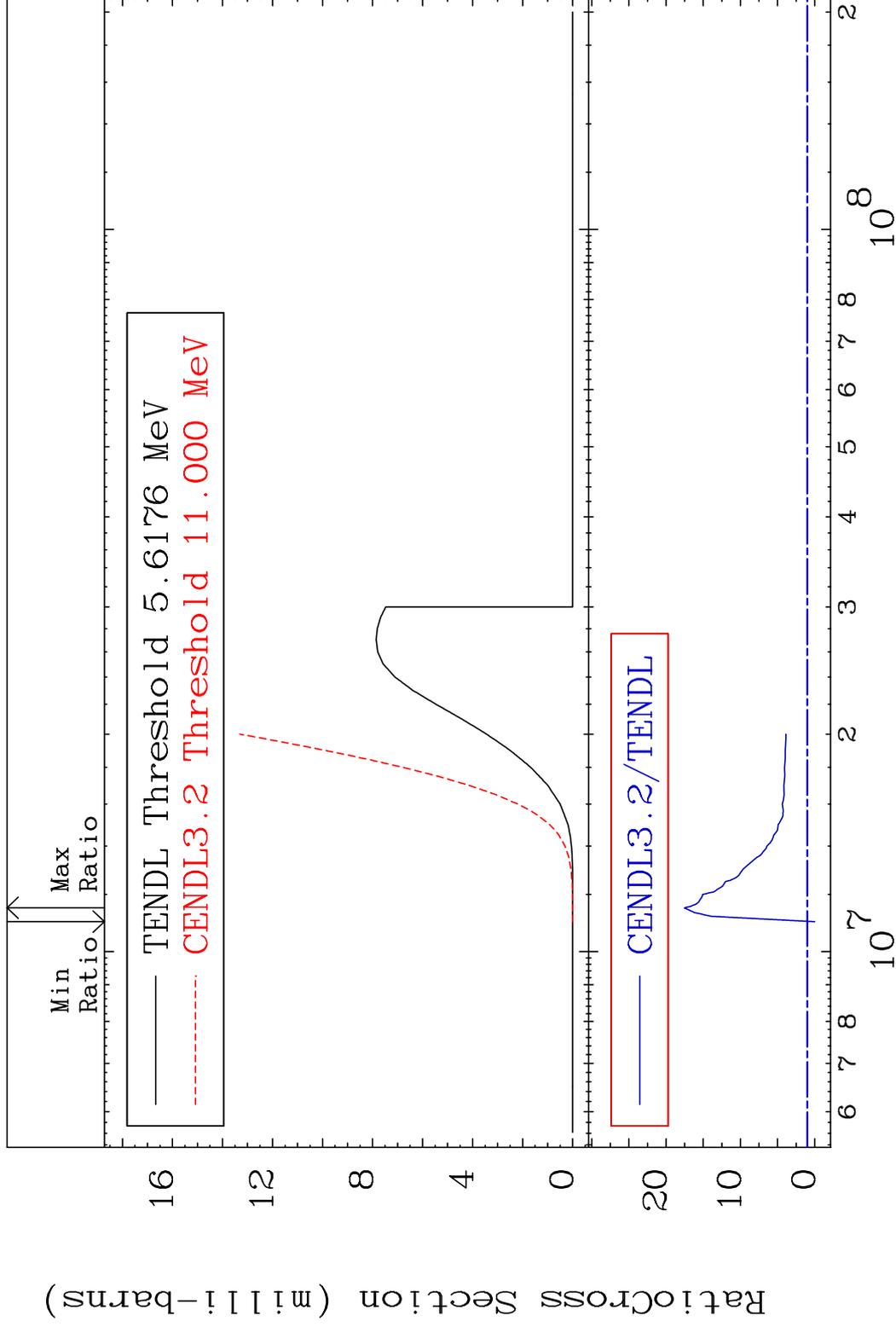
64-Gd-155

MAT 6434

(n, t)

64-Gd-155

Cross Section -100.0 To 1657. %



28

Incident Energy (eV)

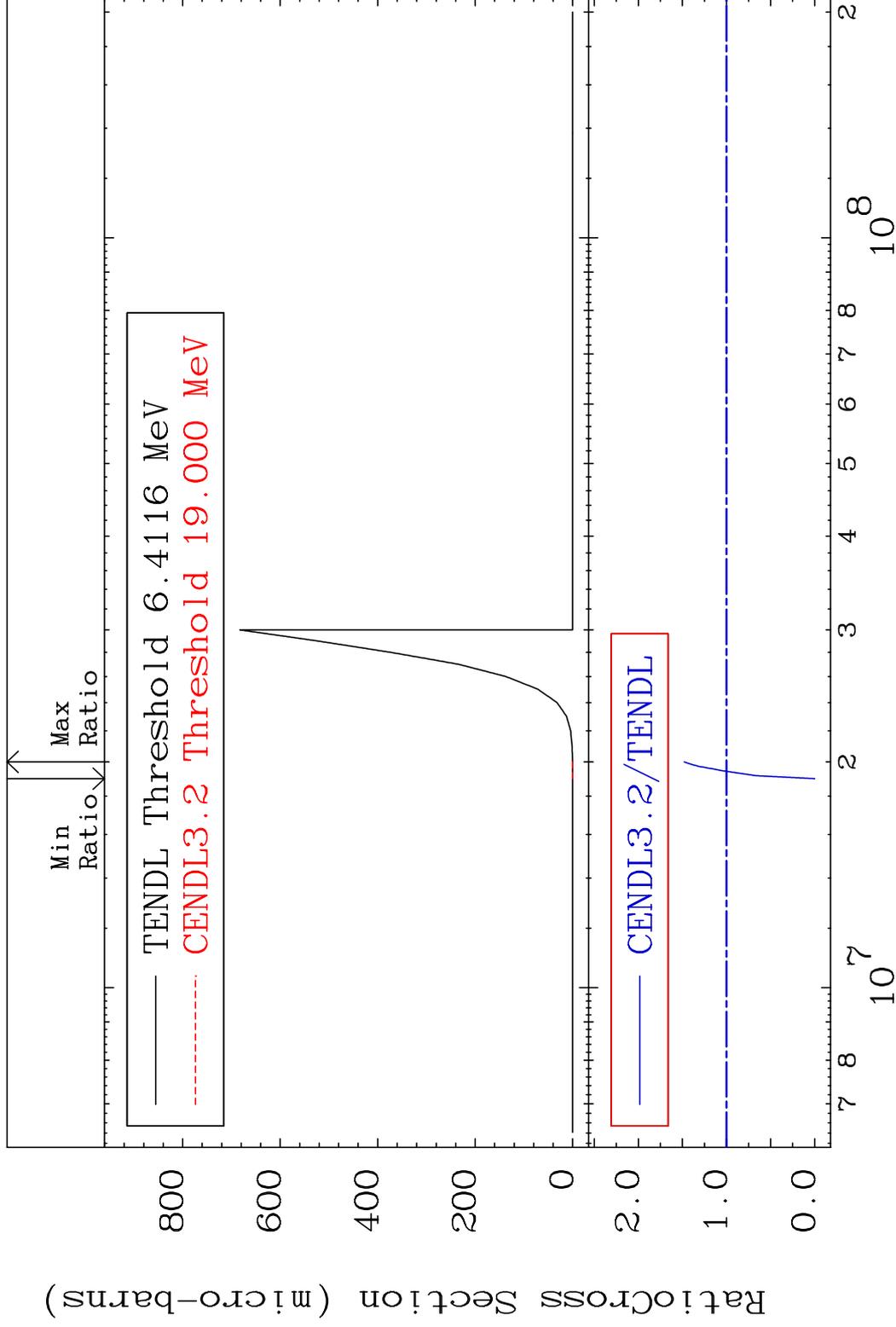
64-Gd-155

MAT 6434

(n, He-3)

64-Gd-155

Cross Section -100.0 To 48.08 %



29

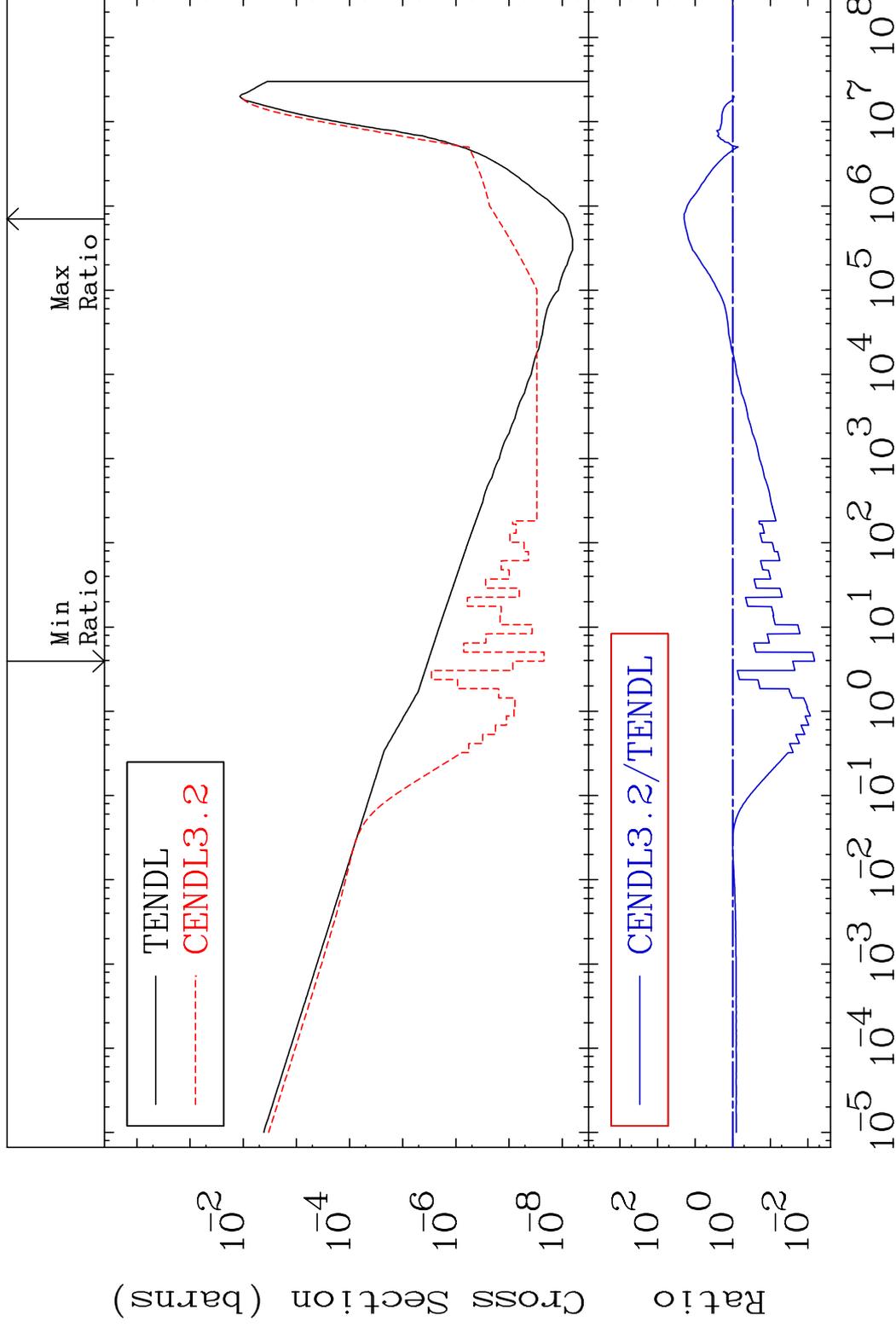
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,  $\alpha$ )  
Cross Section -99.34 To 1861. %

64-Gd-155



30

Incident Energy (eV)

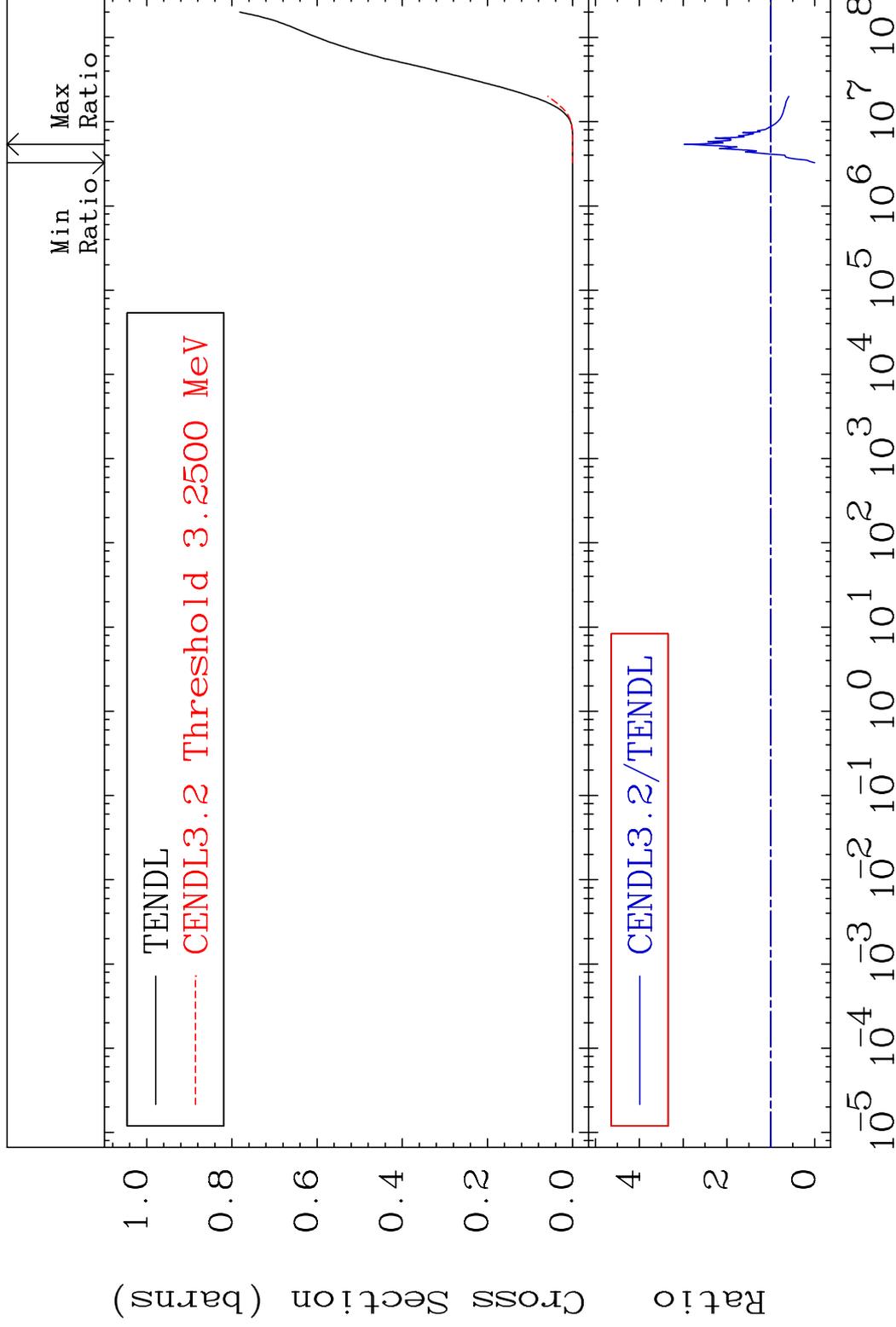
64-Gd-155

MAT 6434

Hydrogen Production

64-Gd-155

Cross Section -100.0 To 197.8 %



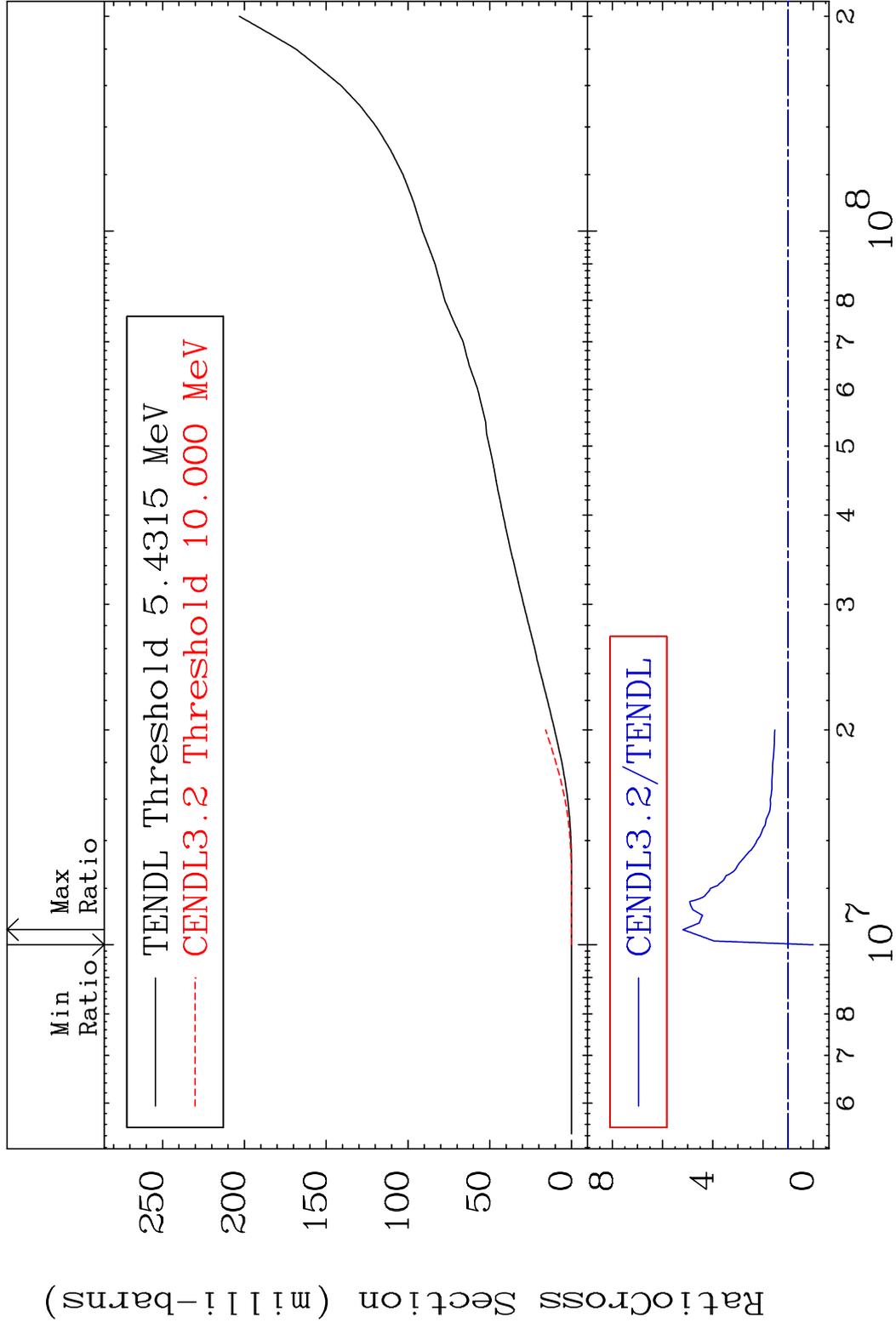
31

Incident Energy (eV)

64-Gd-155

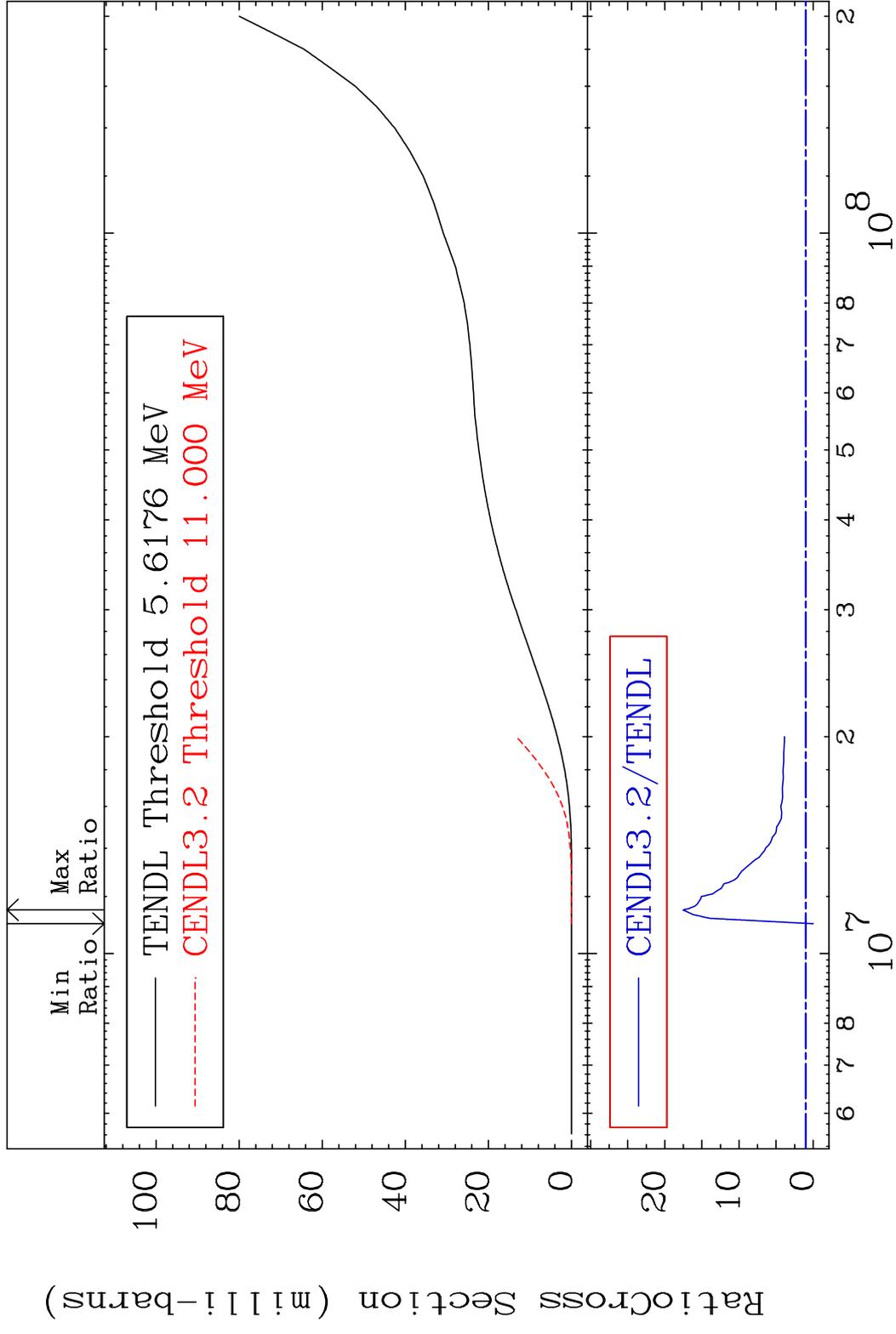
MAT 6434

Deuterium Production 64-Gd-155  
Cross Section -100.0 To 419.3 %



MAT 6434

Tritium Production 64-Gd-155  
Cross Section -100.0 To 1657. %

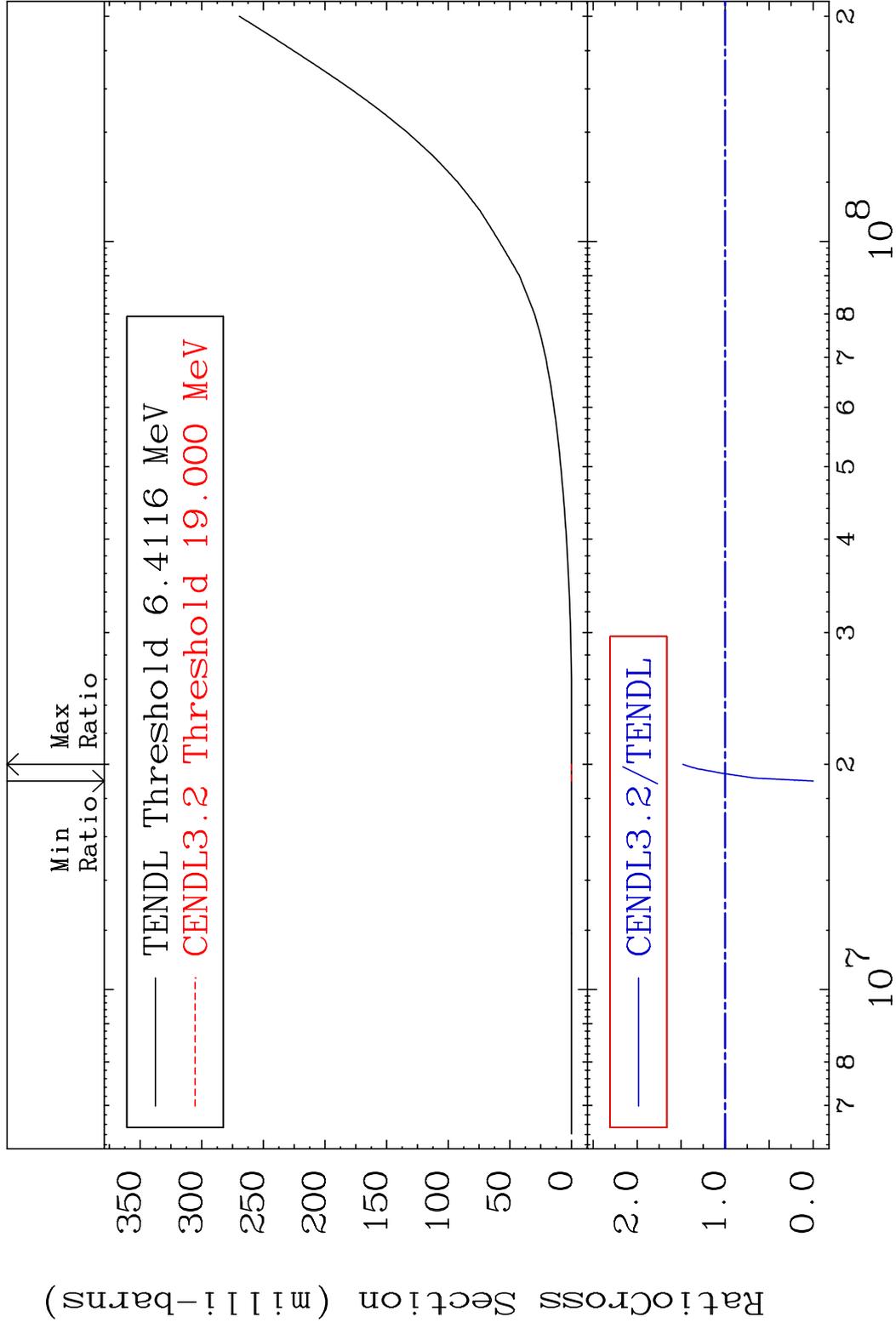


MAT 6434

He-3 Production

64-Gd-155

Cross Section -100.0 To 48.08 %

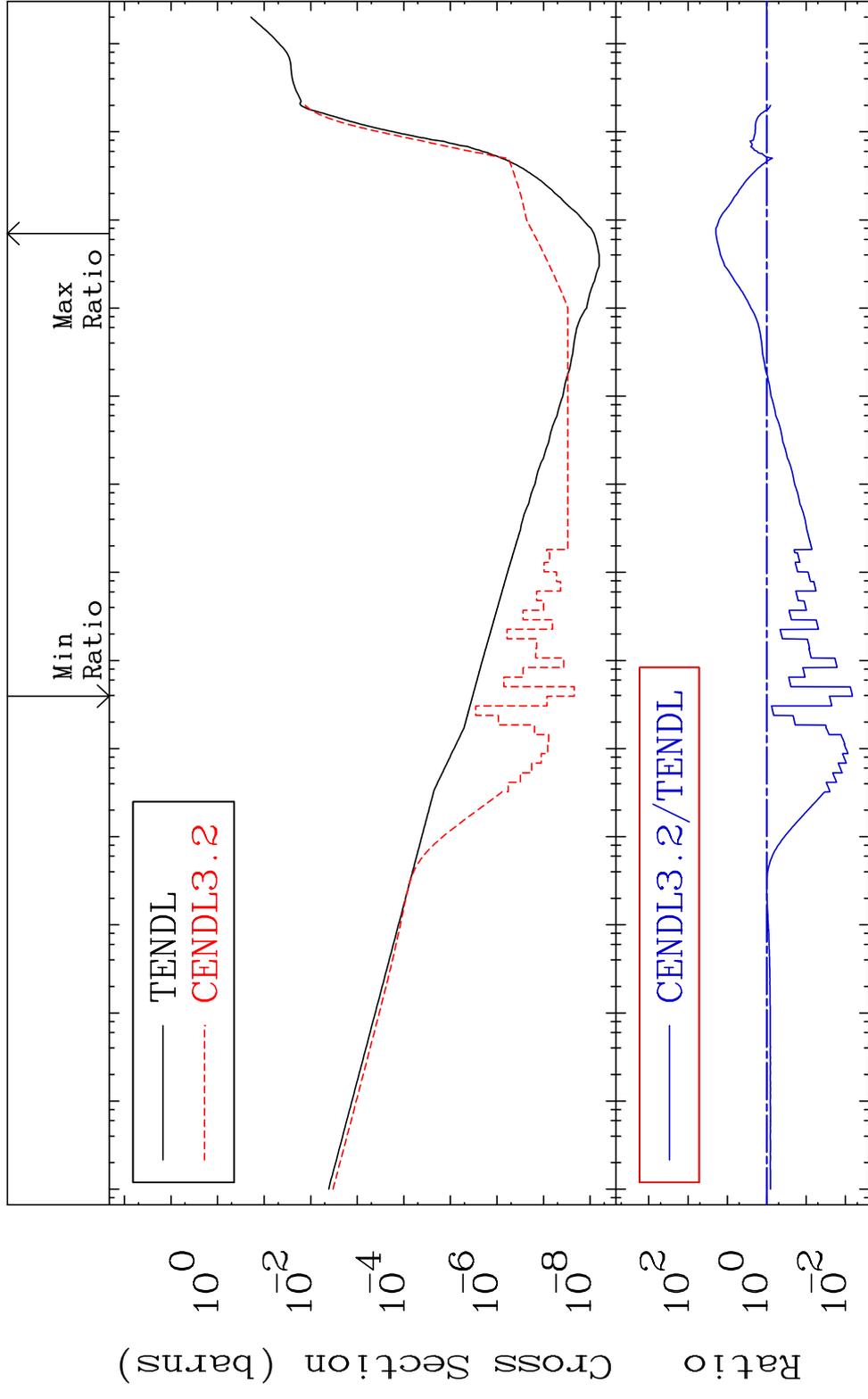


MAT 6434

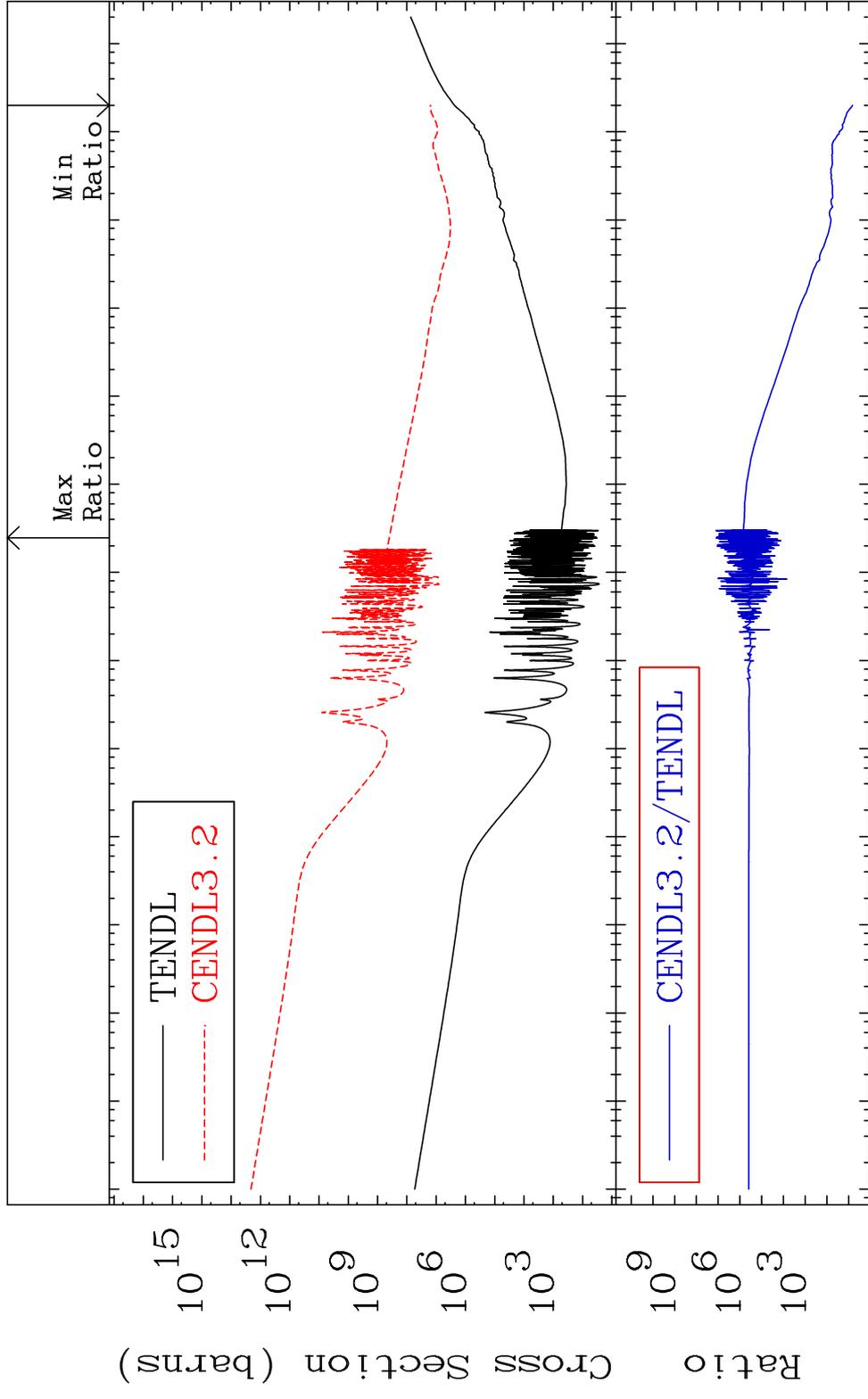
He-4 Production

64-Gd-155

Cross Section -99.34 To 1861. %



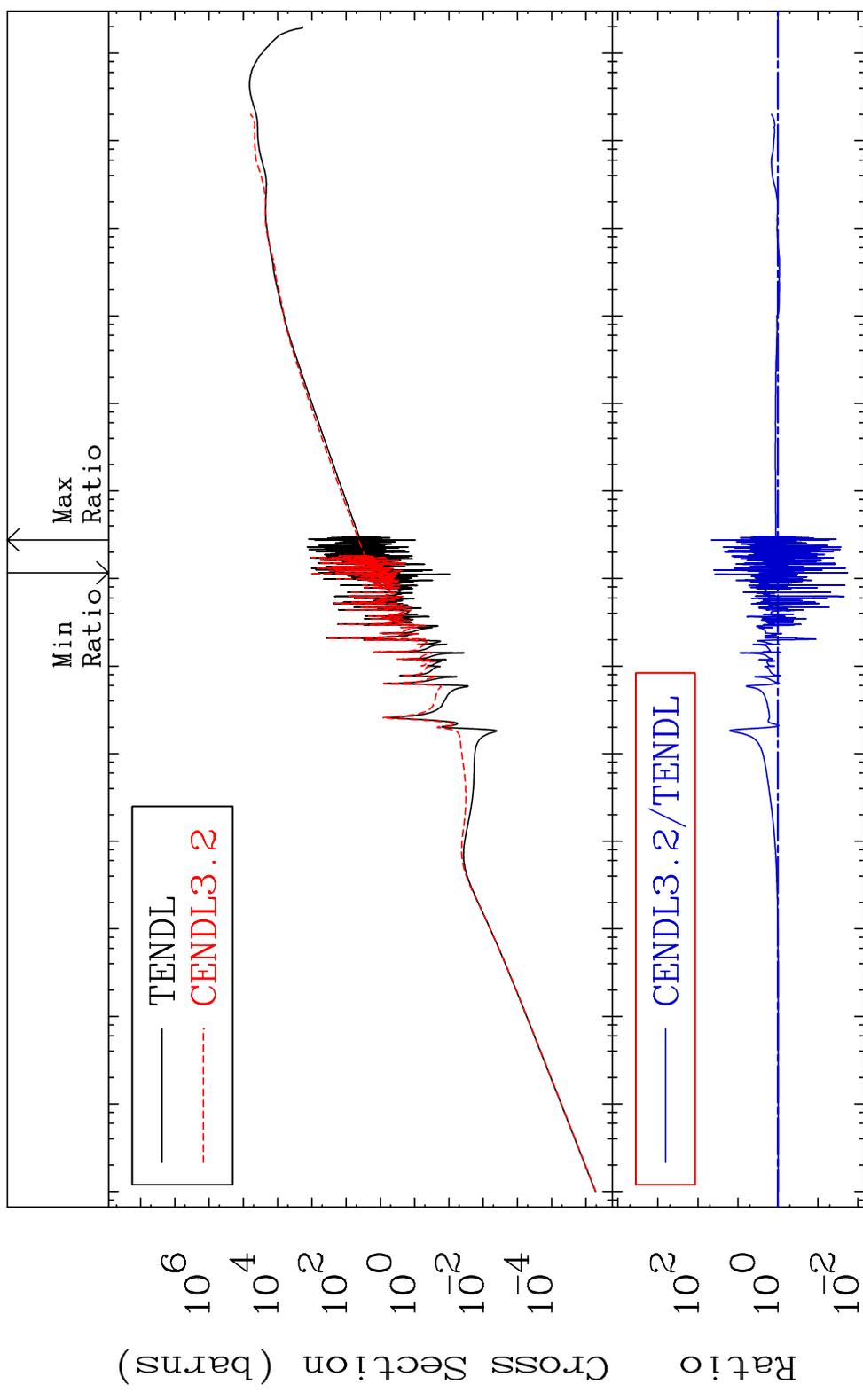
MAT 6434 Kerma total (eV-barns) 64-Gd-155  
 Cross Section 562.3 To 9999. %



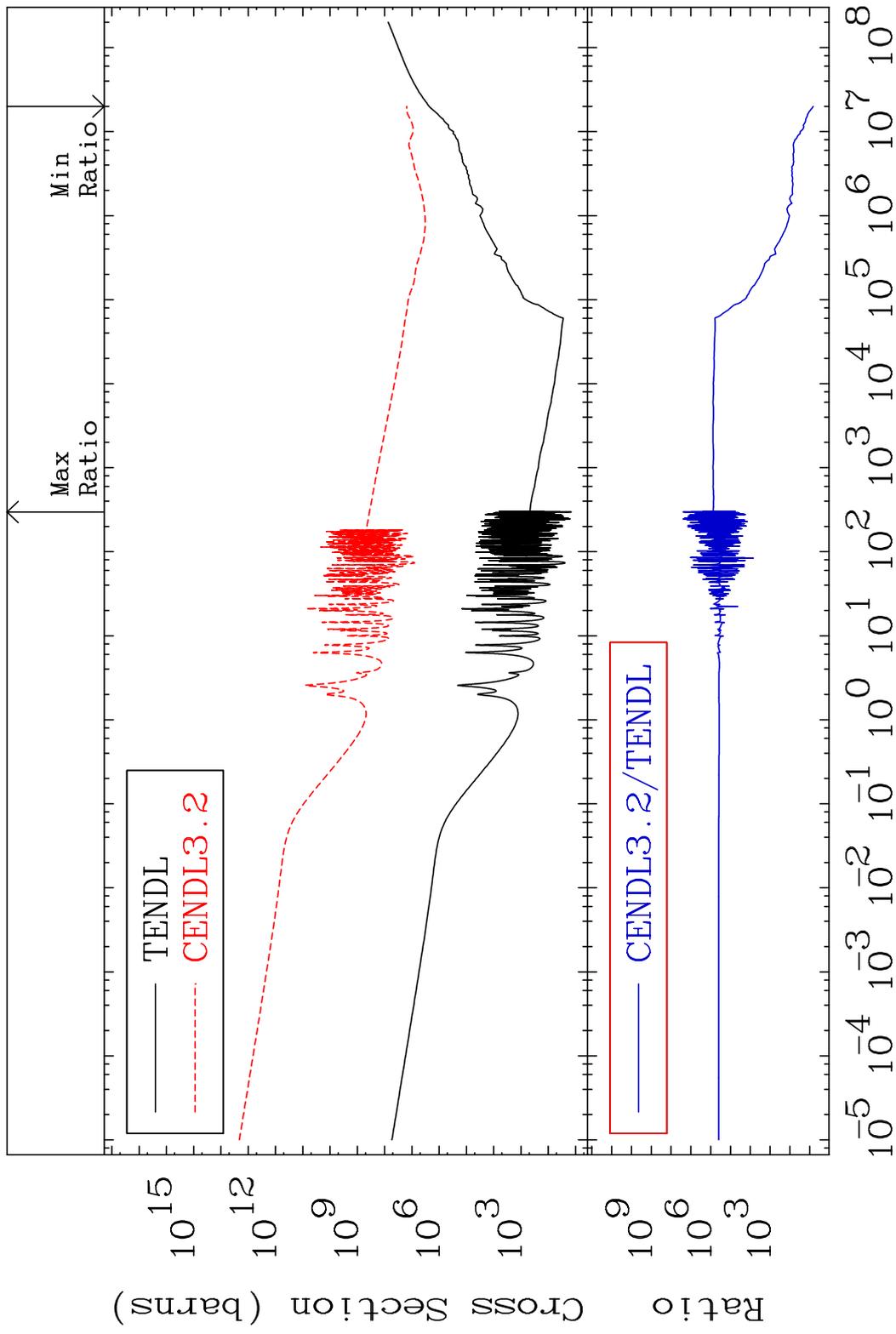
MAT 6434

Kerma elastic Cross Section -98.20 To 4397. %

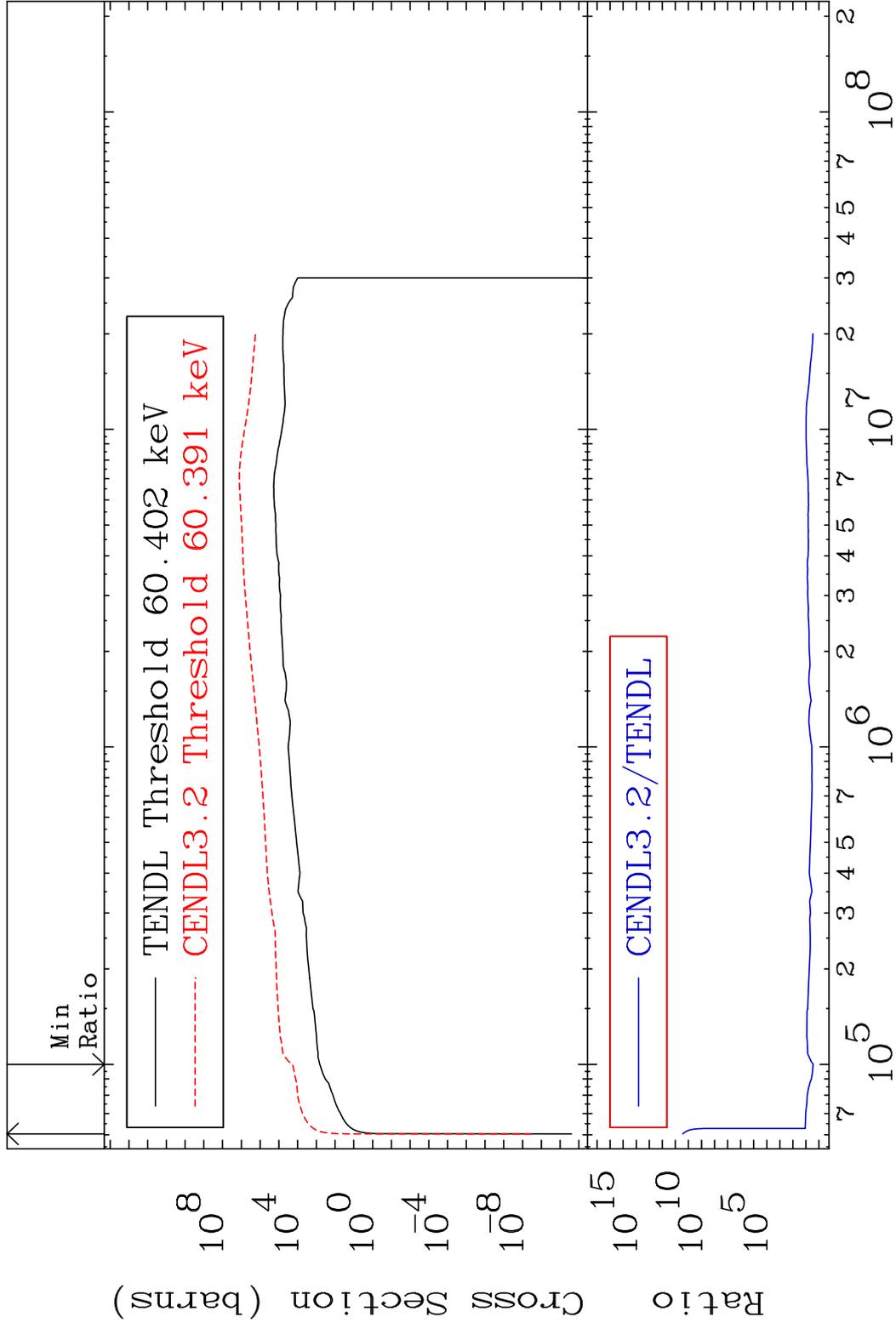
64-Gd-155



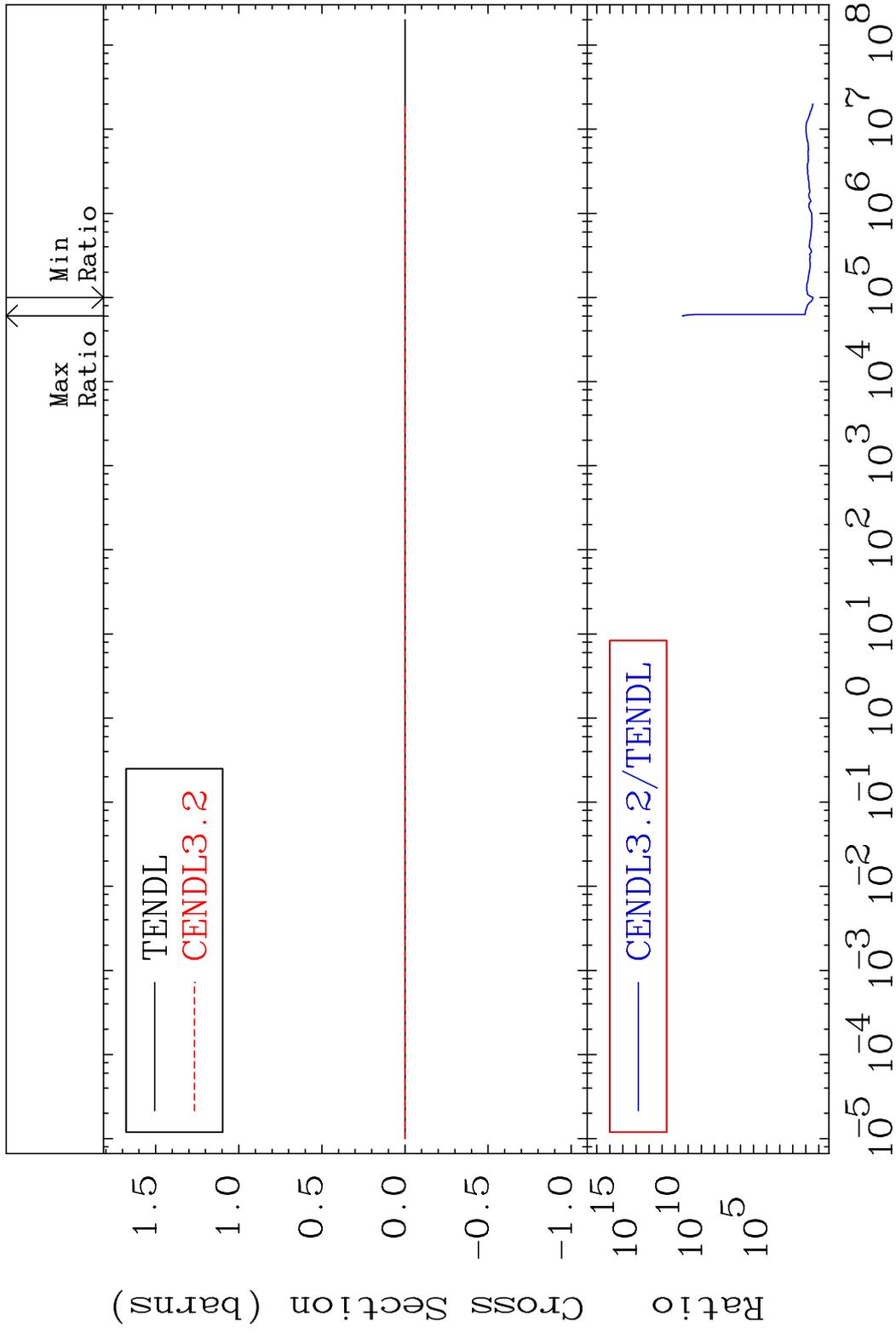
MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155  
 Cross Section 571.6 To 9999. %



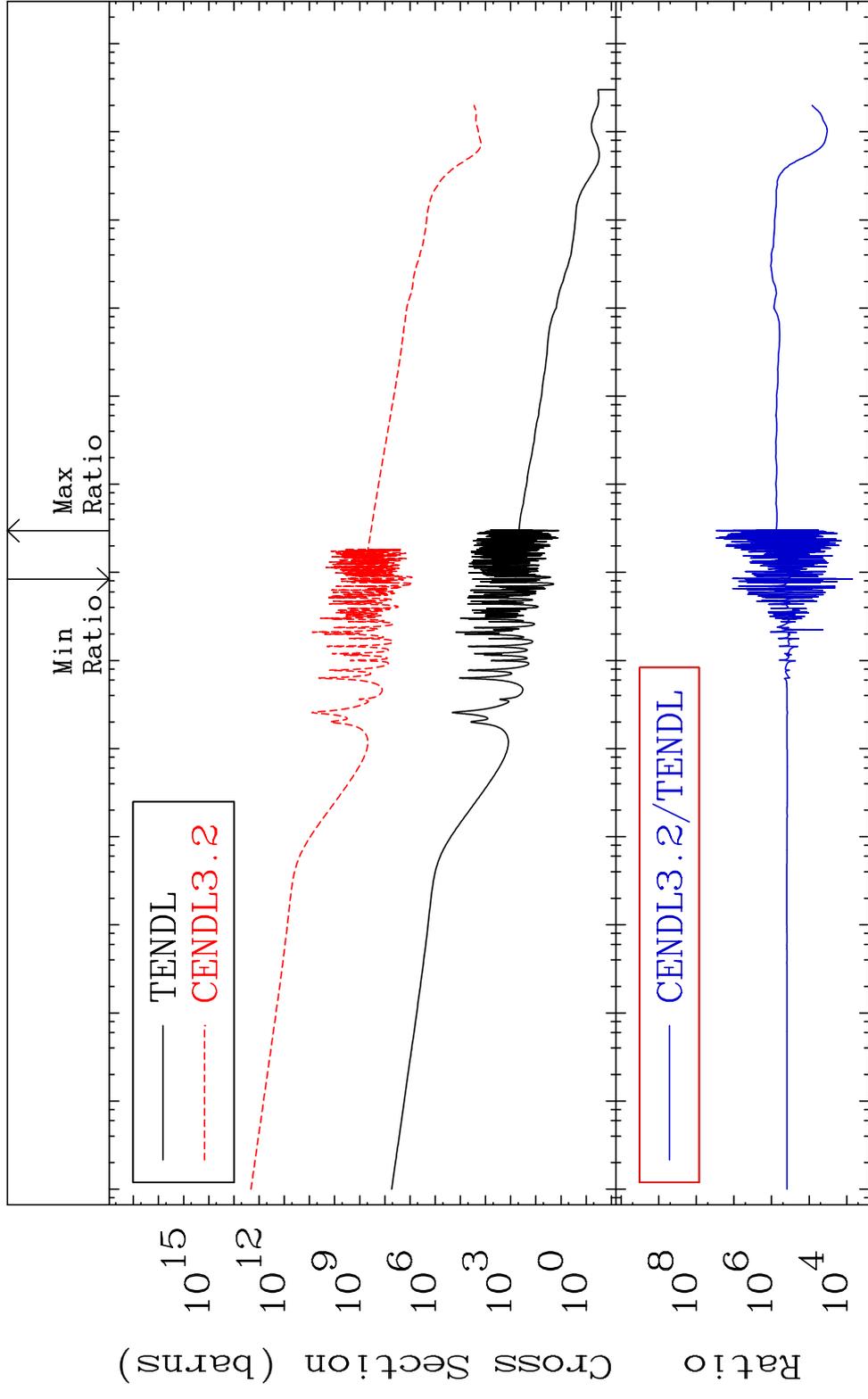
MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155  
 Cross Section 2704. To 9999. %



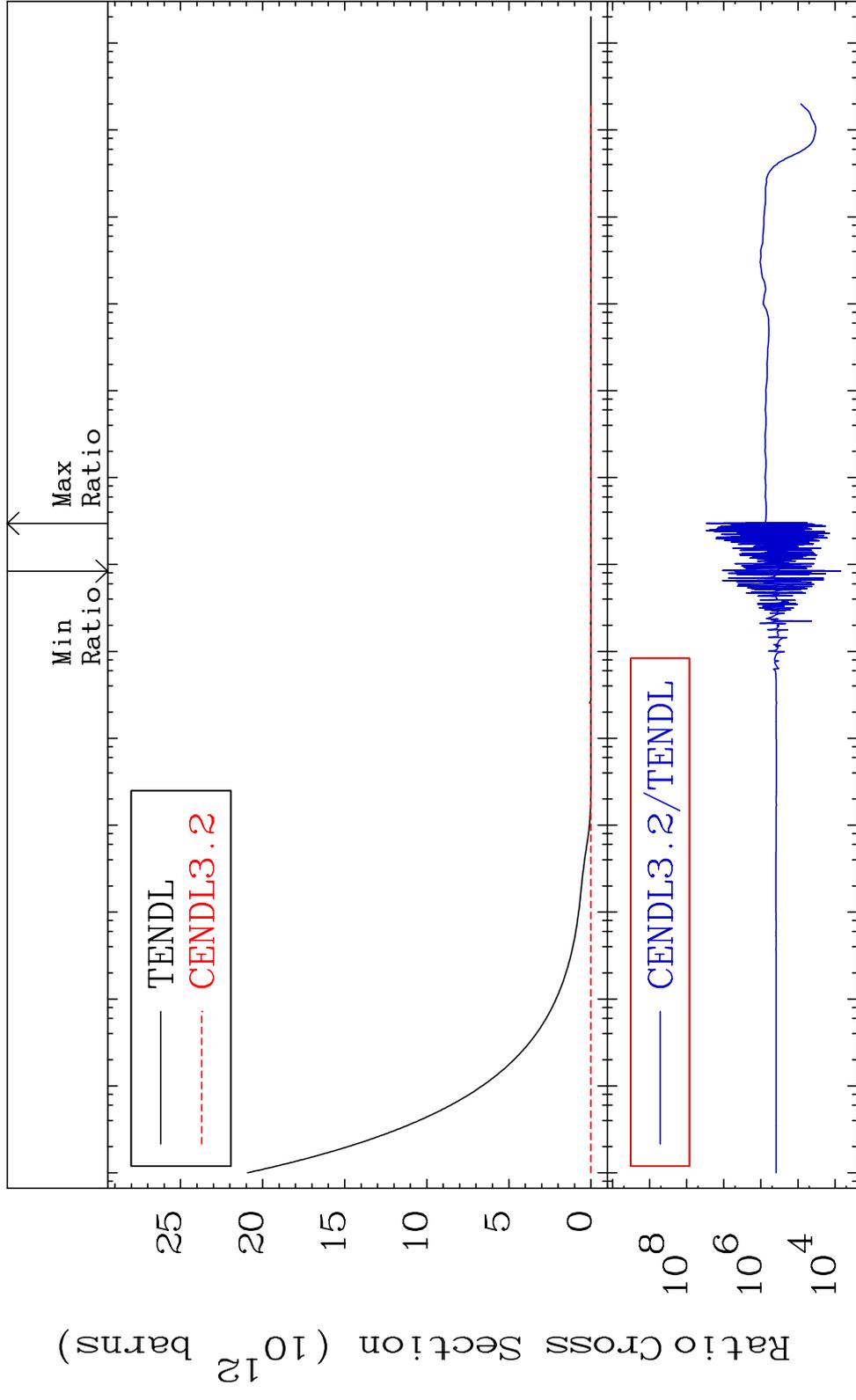
MAT 6434 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-155  
 Cross Section 2704. To 9999. %



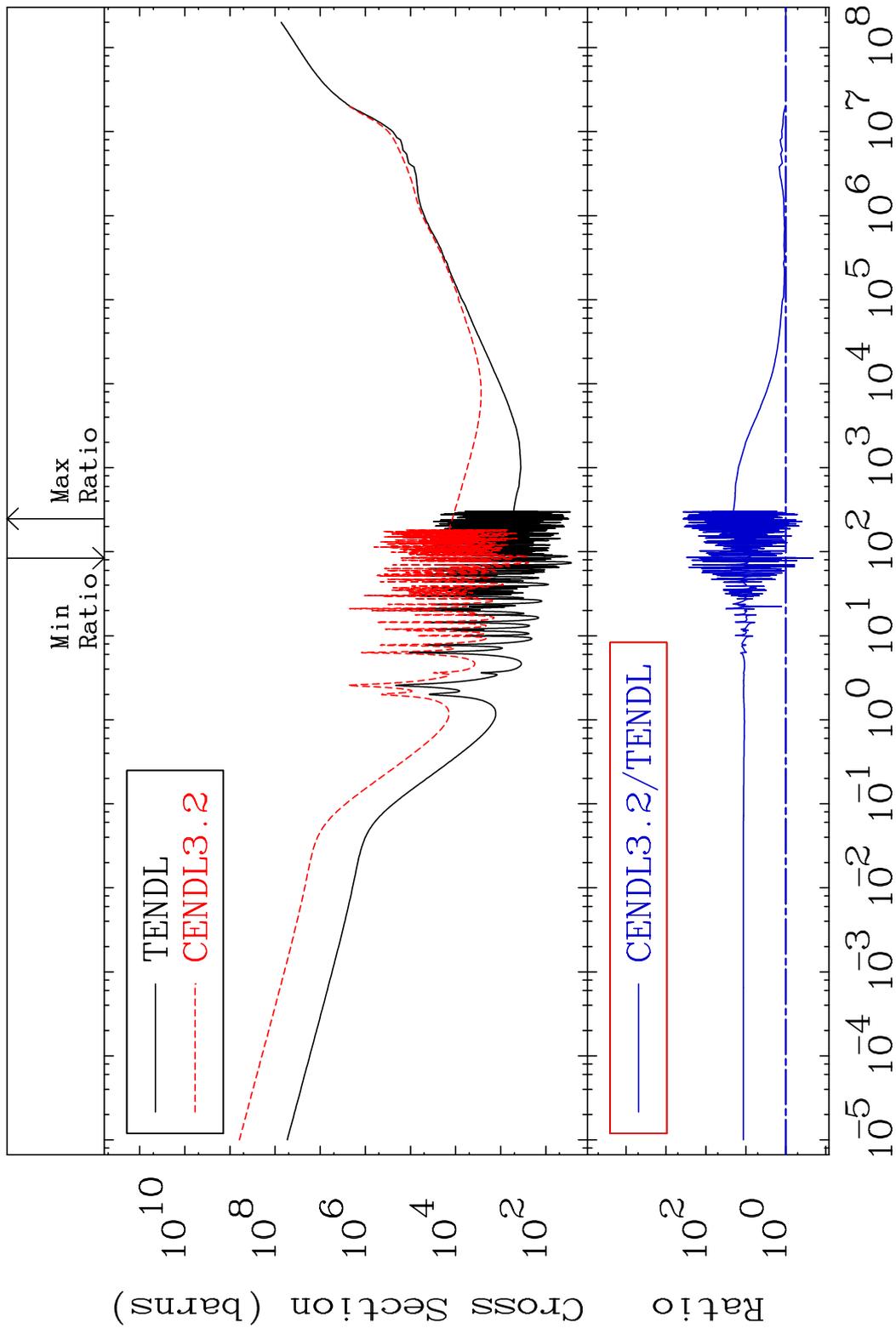
MAT 6434 Kerma capture (mt102) 64-Gd-155  
 Cross Section 9999. To 9999. %



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



MAT 6434 Total kinematic kerma (high limit) 64-Gd-155  
 Cross Section -79.42 To 9999. %

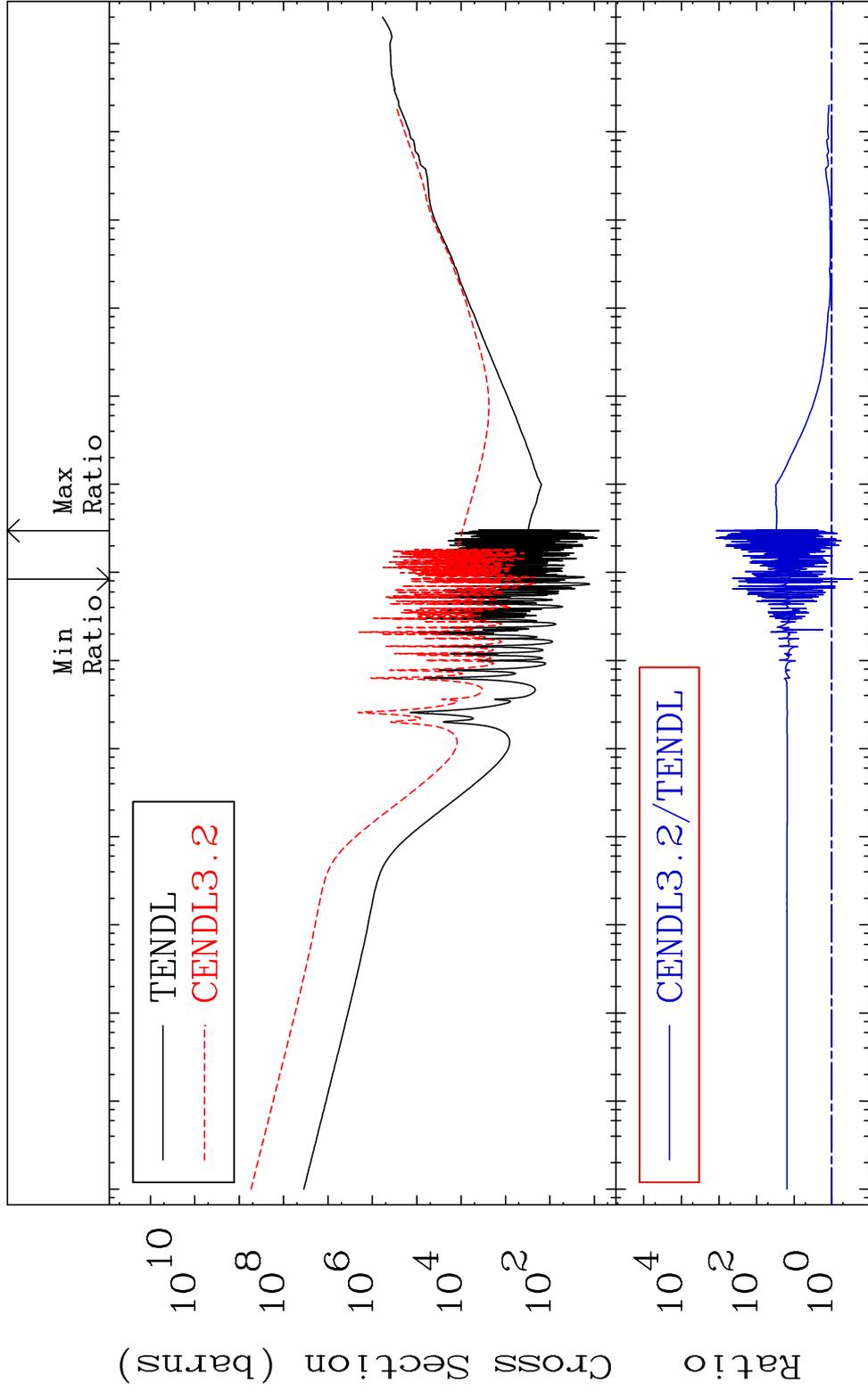


MAT 6434

Dpa total (eV-barns)

64-Gd-155

Cross Section -72.07 To 9999. %

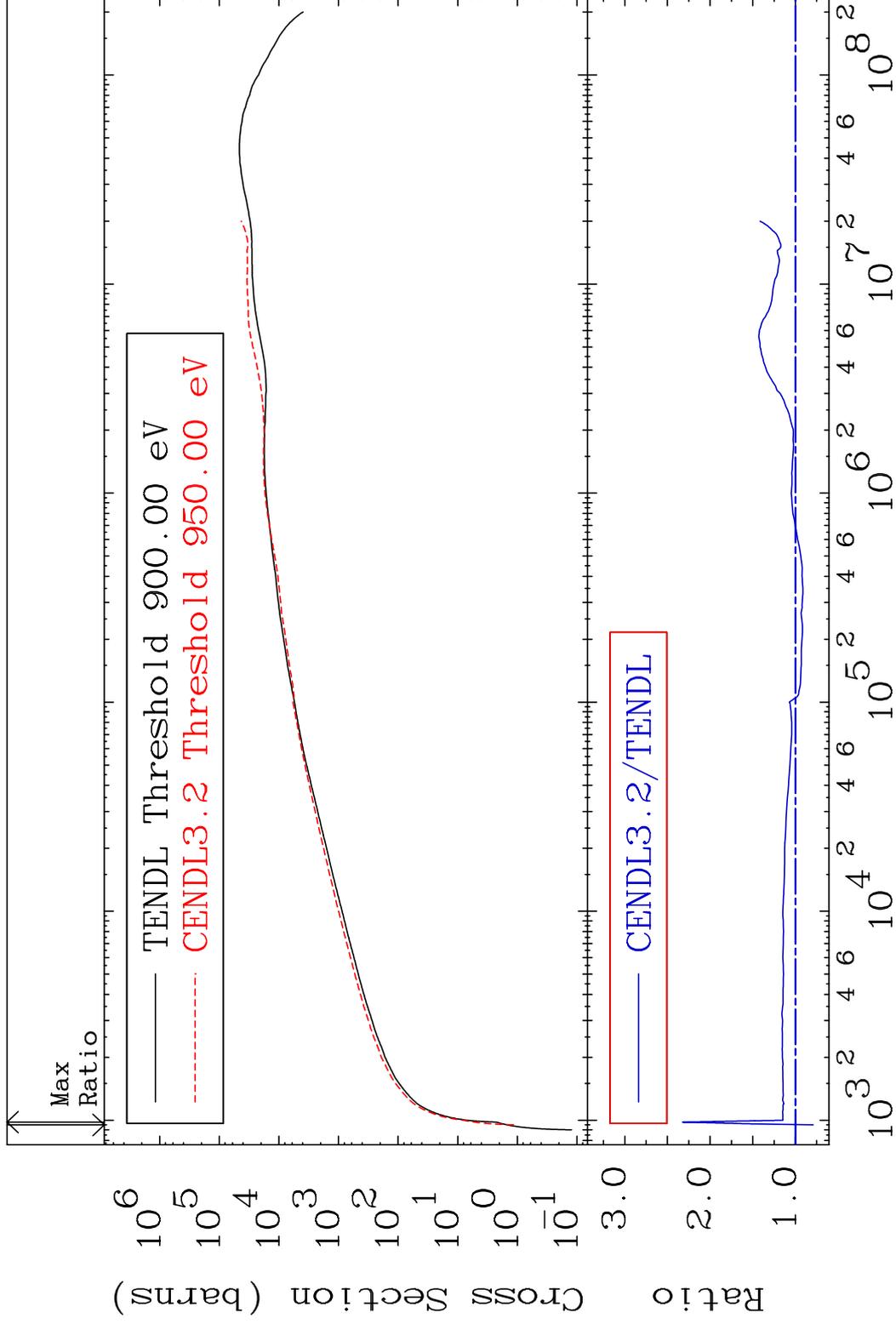


MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -20.82 To 131.9 %

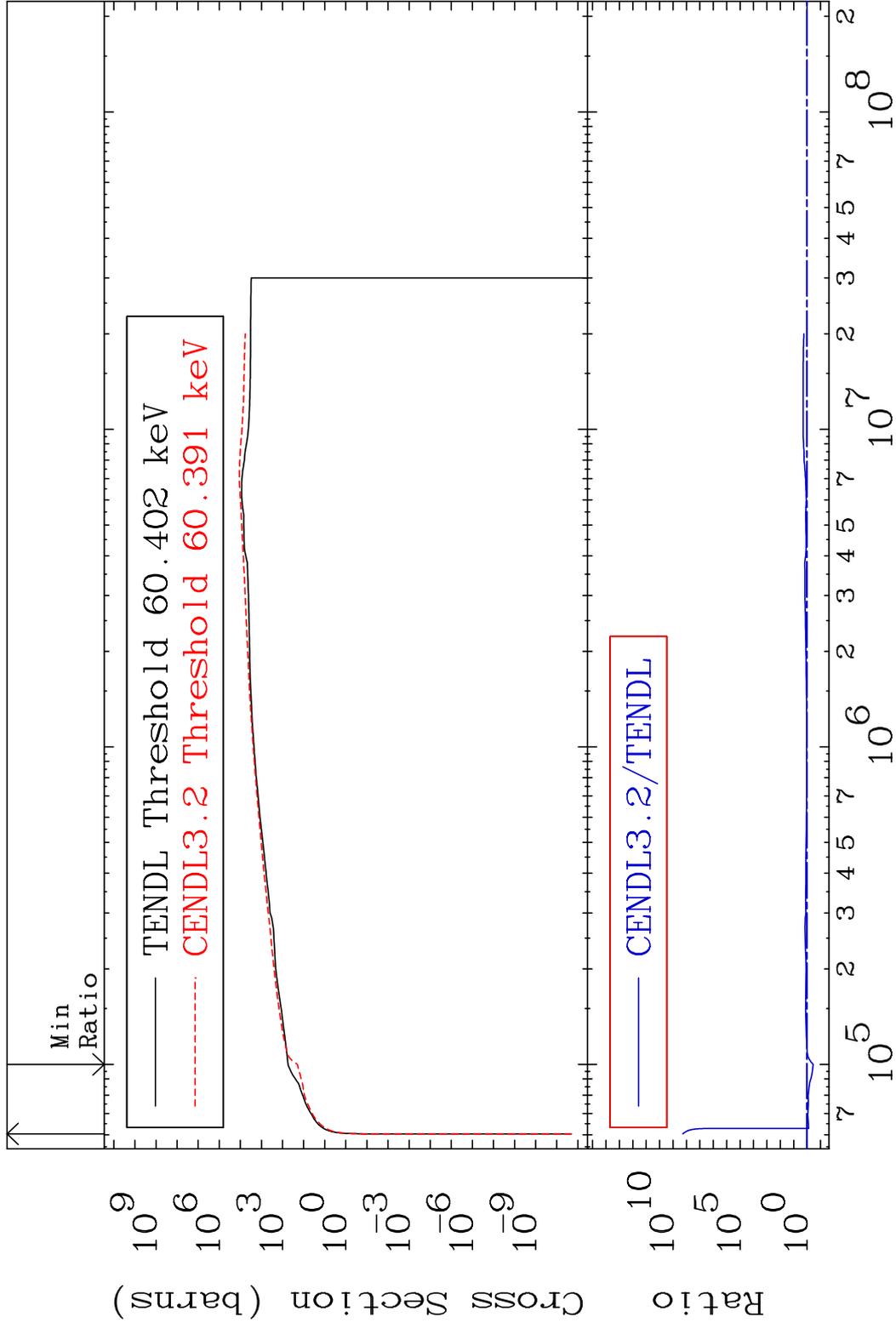


45

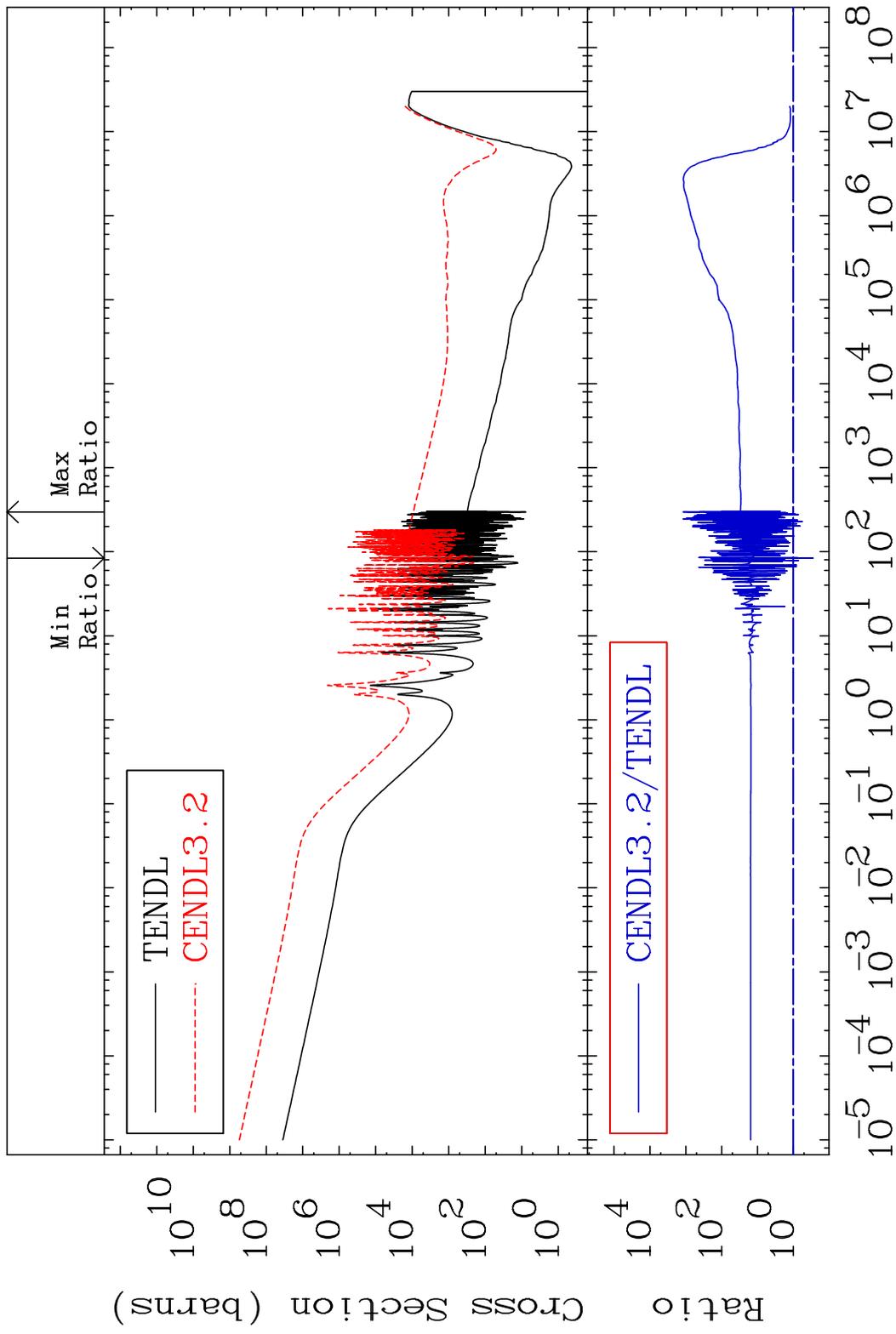
Incident Energy (eV)

64-Gd-155

MAT 6434      Dpa inelastic (mt51-91)      64-Gd-155  
 Cross Section      -64.37 To 9999. %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155  
 Cross Section -72.07 To 9999. %

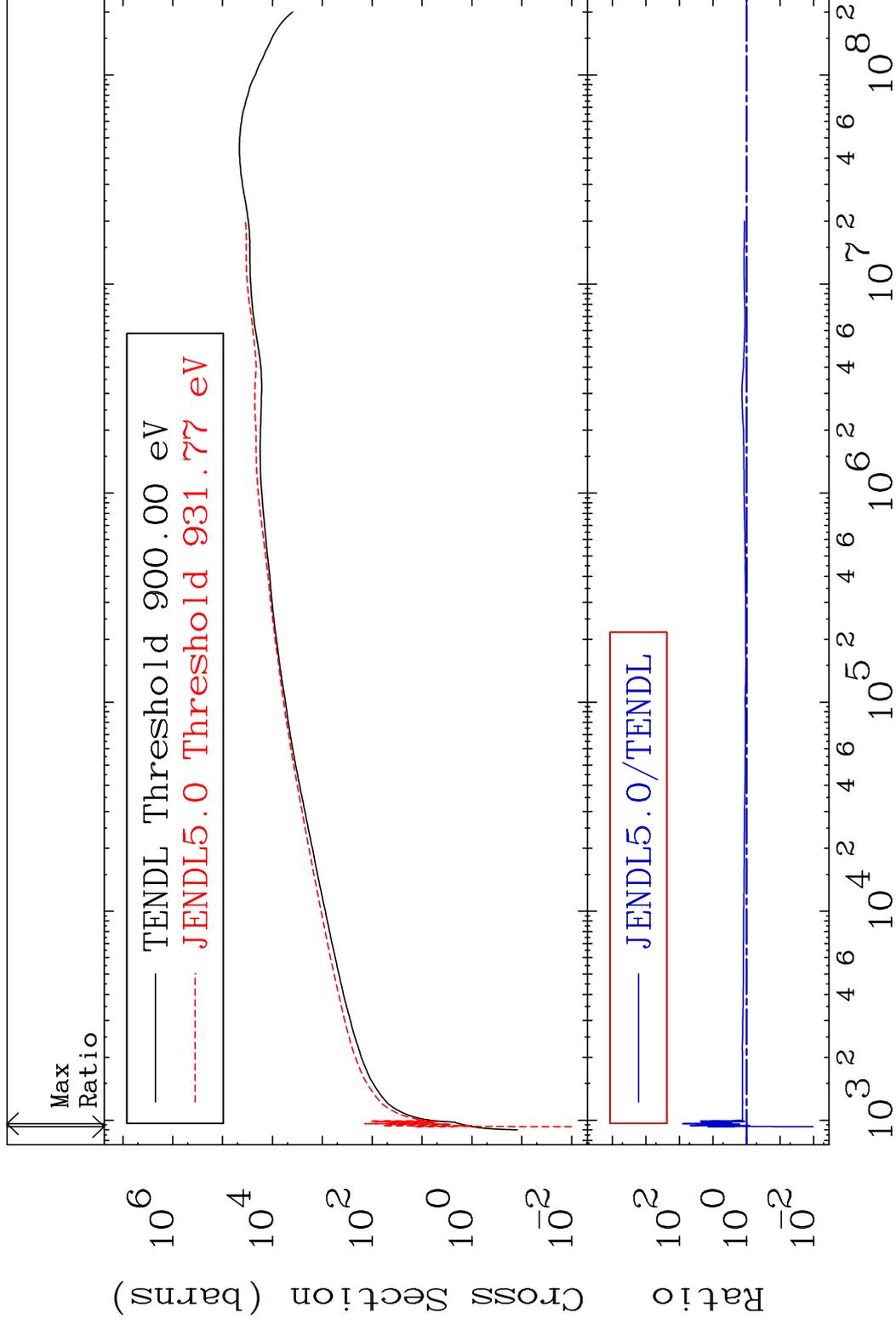


MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -98.97 To 7826. %

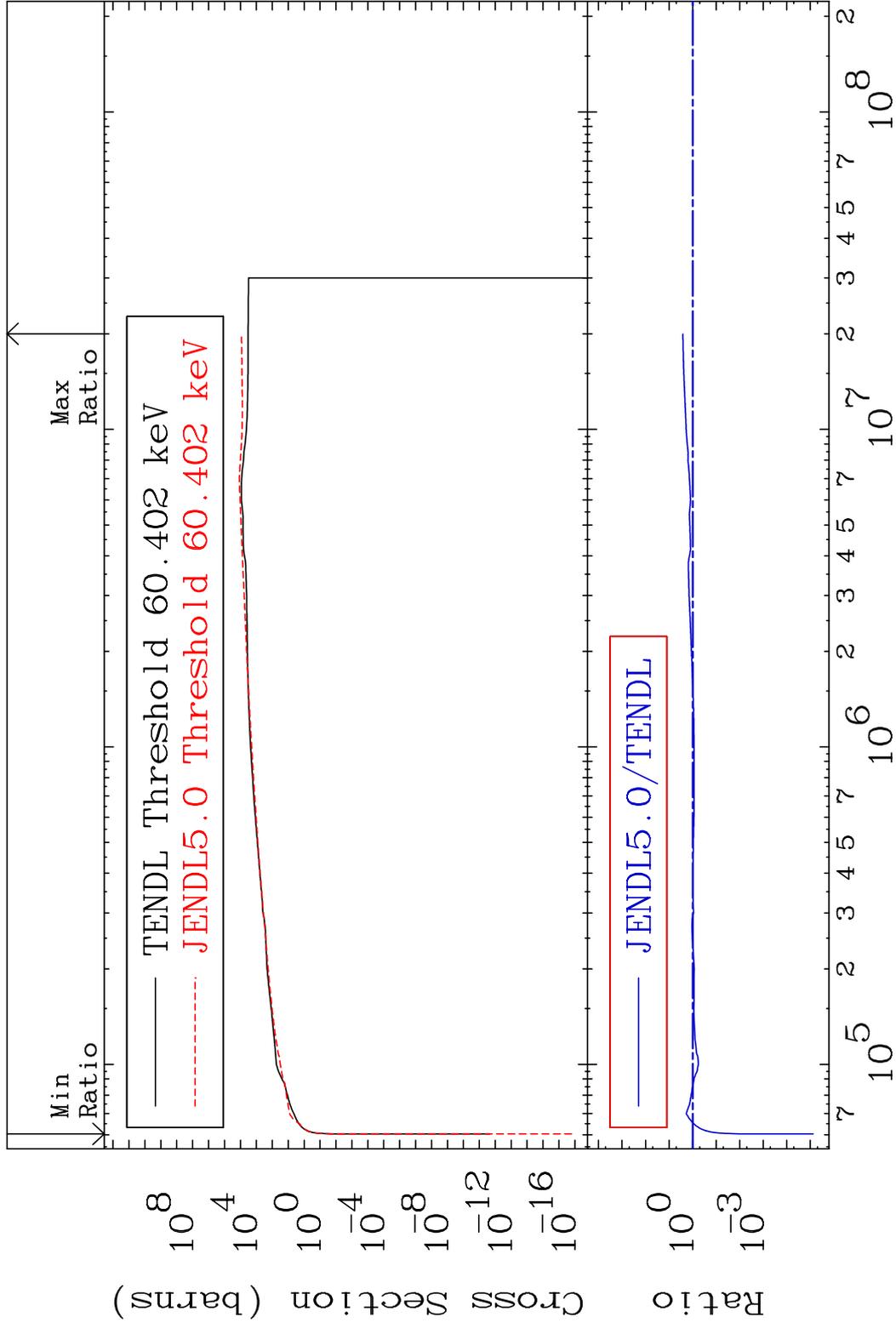


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Incident Energy (eV)

64-Gd-155

MAT 6434 Dpa inelastic (mt51-91) 64-Gd-155  
 Cross Section -100.0 To 161.2 %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155  
 Cross Section -99.22 To 5341. %

