

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

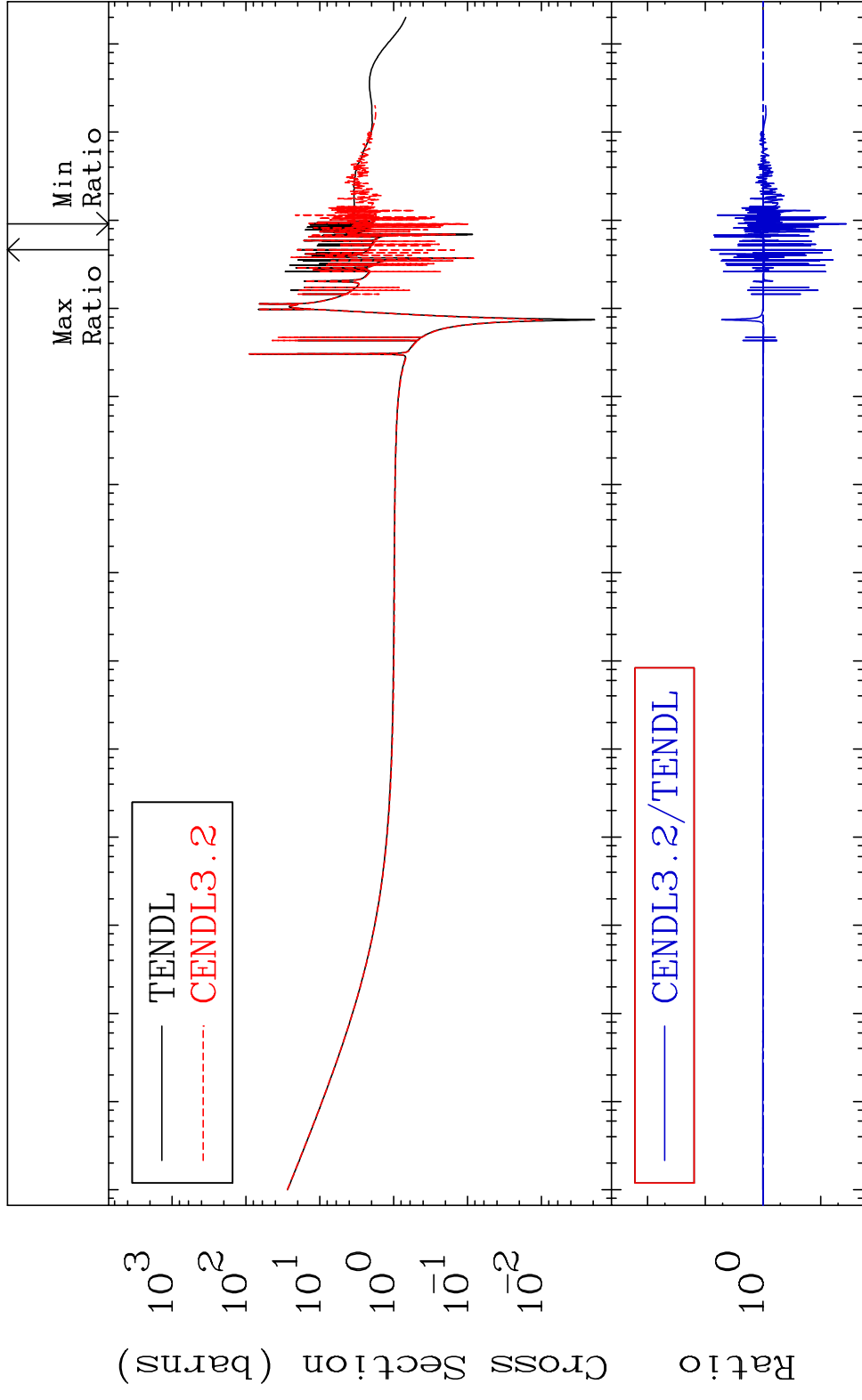
MAT 1625

Total

16-S -32

Cross Section

-96.42 To 705.0 %



Max Ratio

Min Ratio

— TENDL

- - - CENDL3.2

— CENDL3.2/TENDL

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

1

Incident Energy (eV)

16-S -32

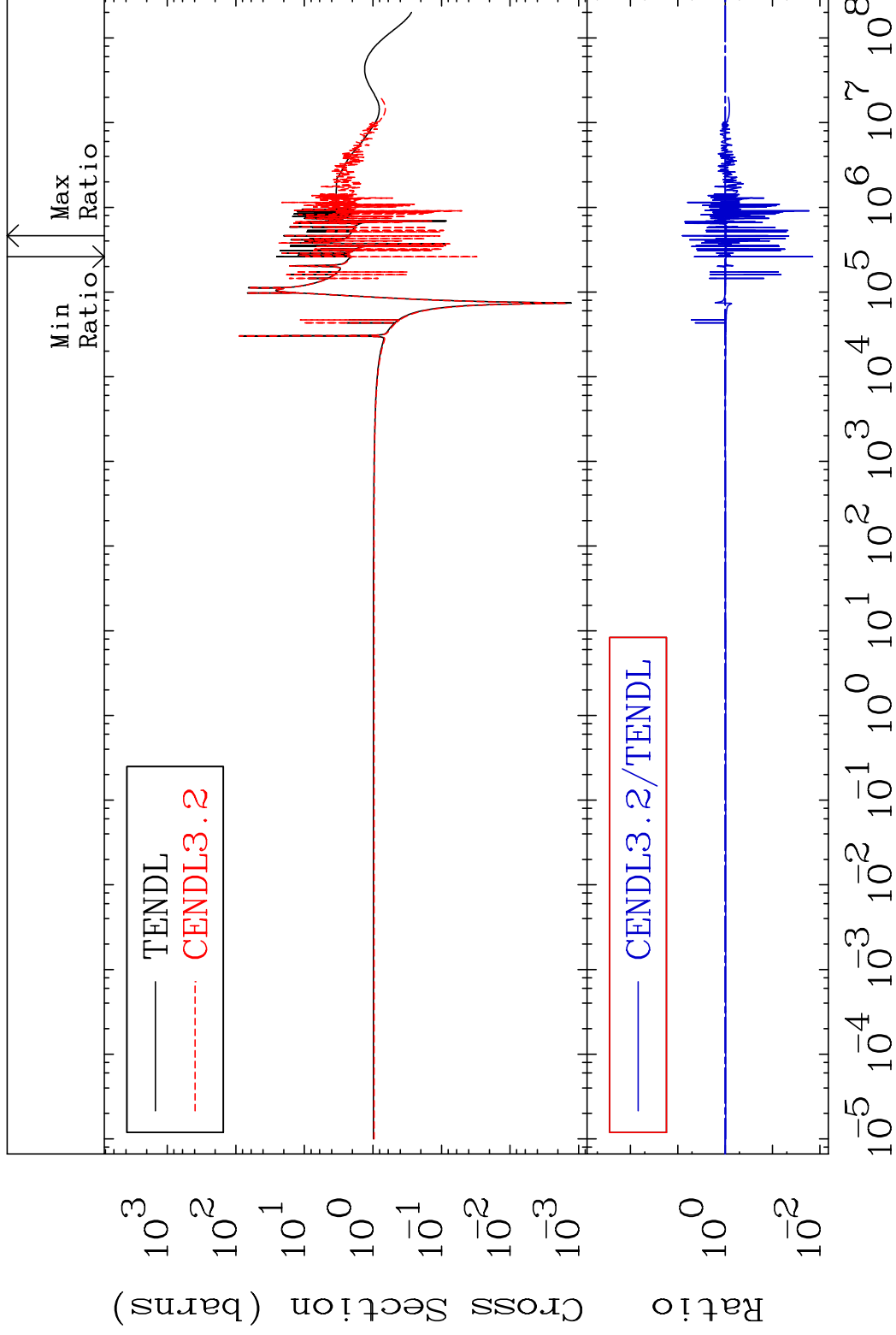
MAT 1625

Elastic

16-S -32

Cross Section

-98.57 To 701.3 %



2

Incident Energy (eV)

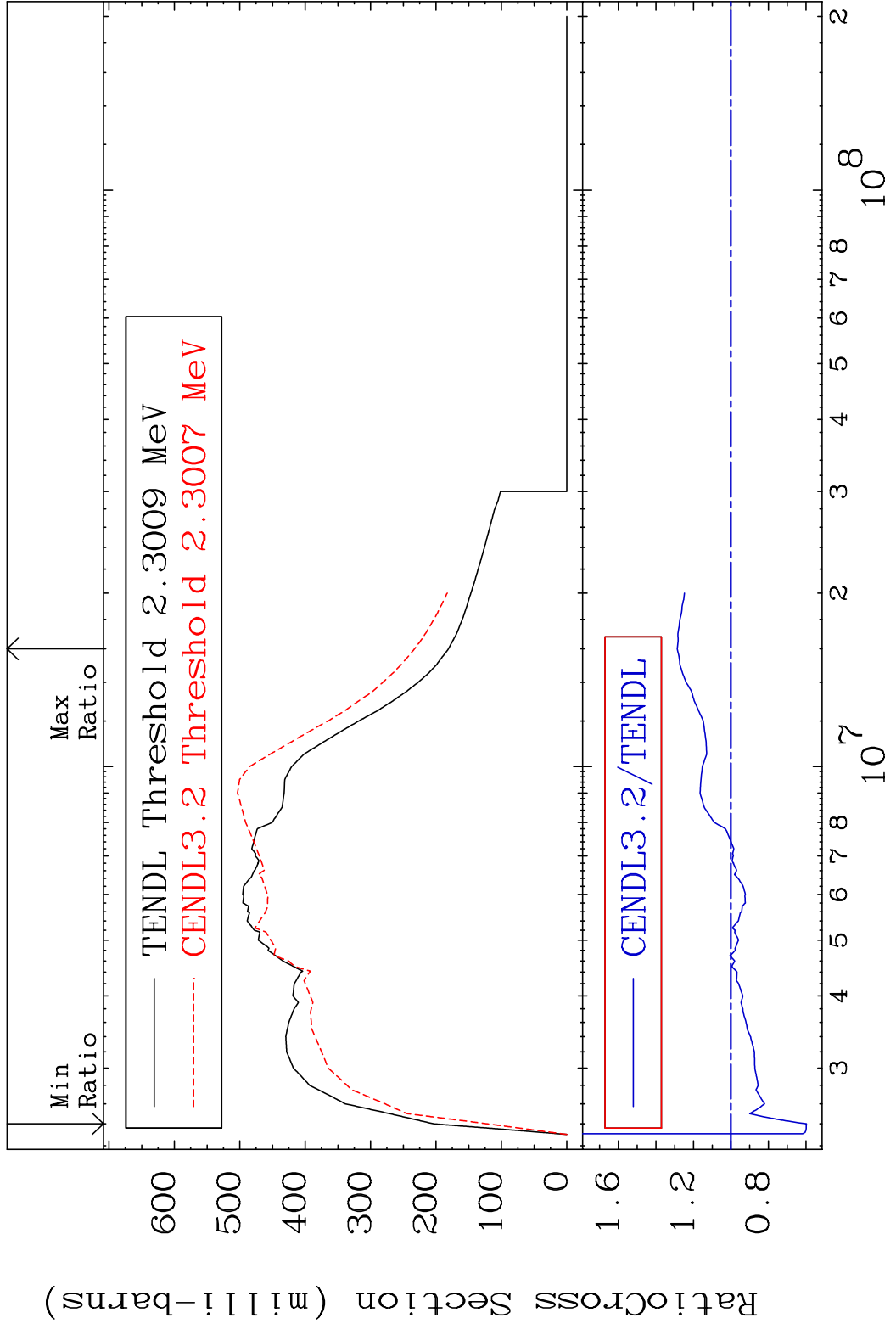
16-S -32

MAT 1625

16-S -32

Inelastic

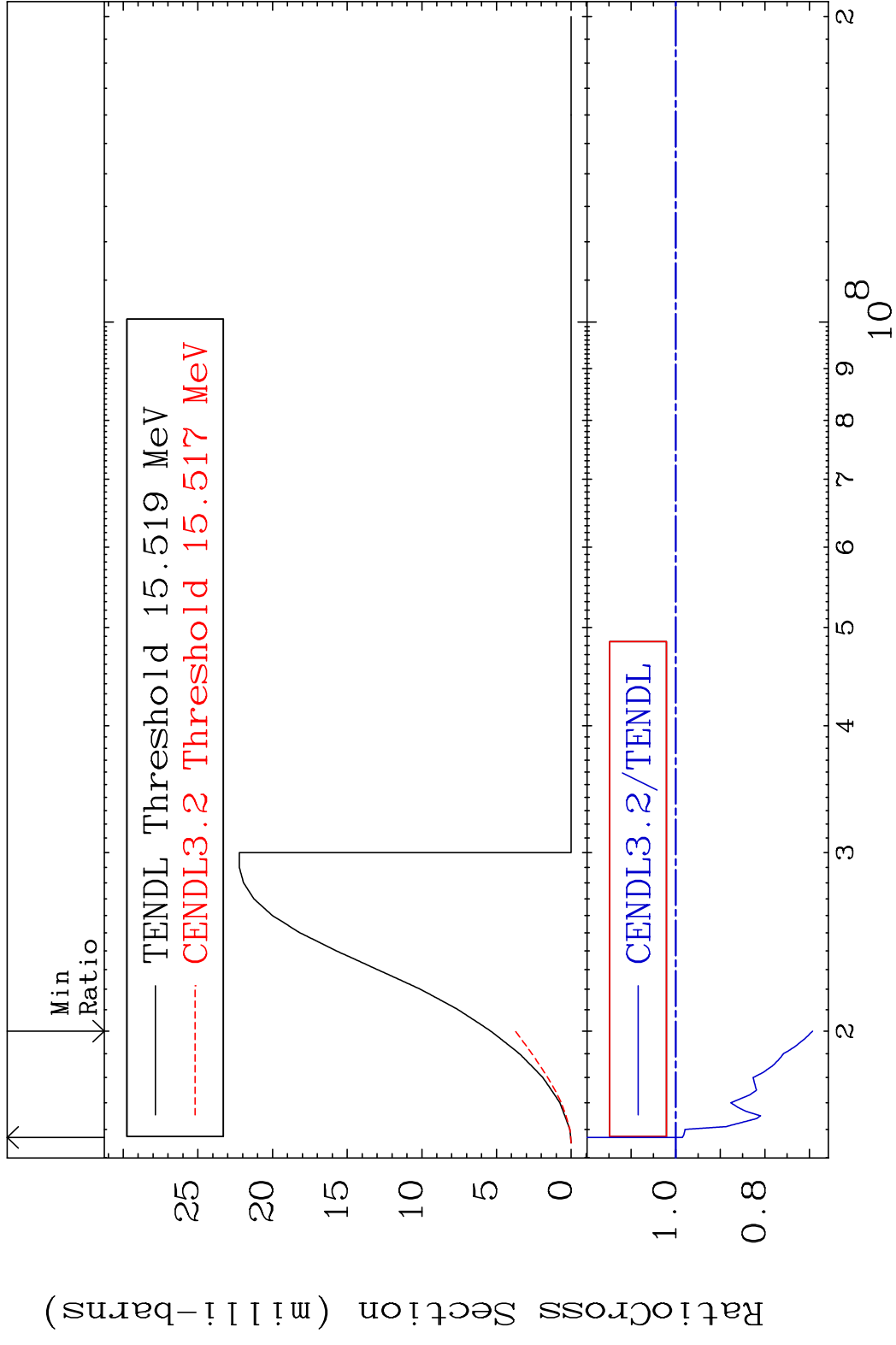
Cross Section -40.23 To 28.66 %



3

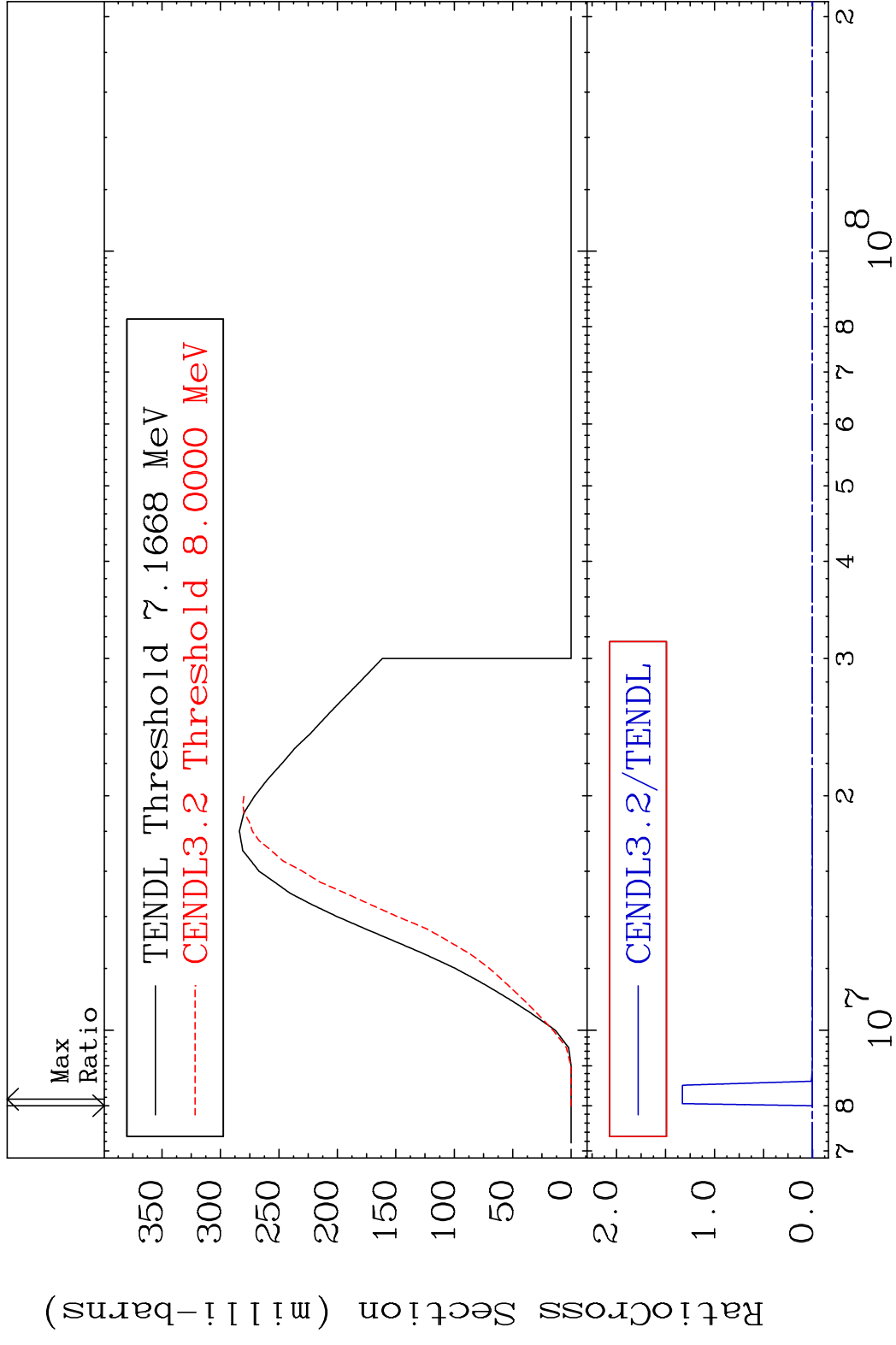
16-S -32

MAT 1625 (n,2n) 16-S -32  
 Cross Section -30.71 To -1.484%



4 Incident Energy (eV) 16-S -32

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

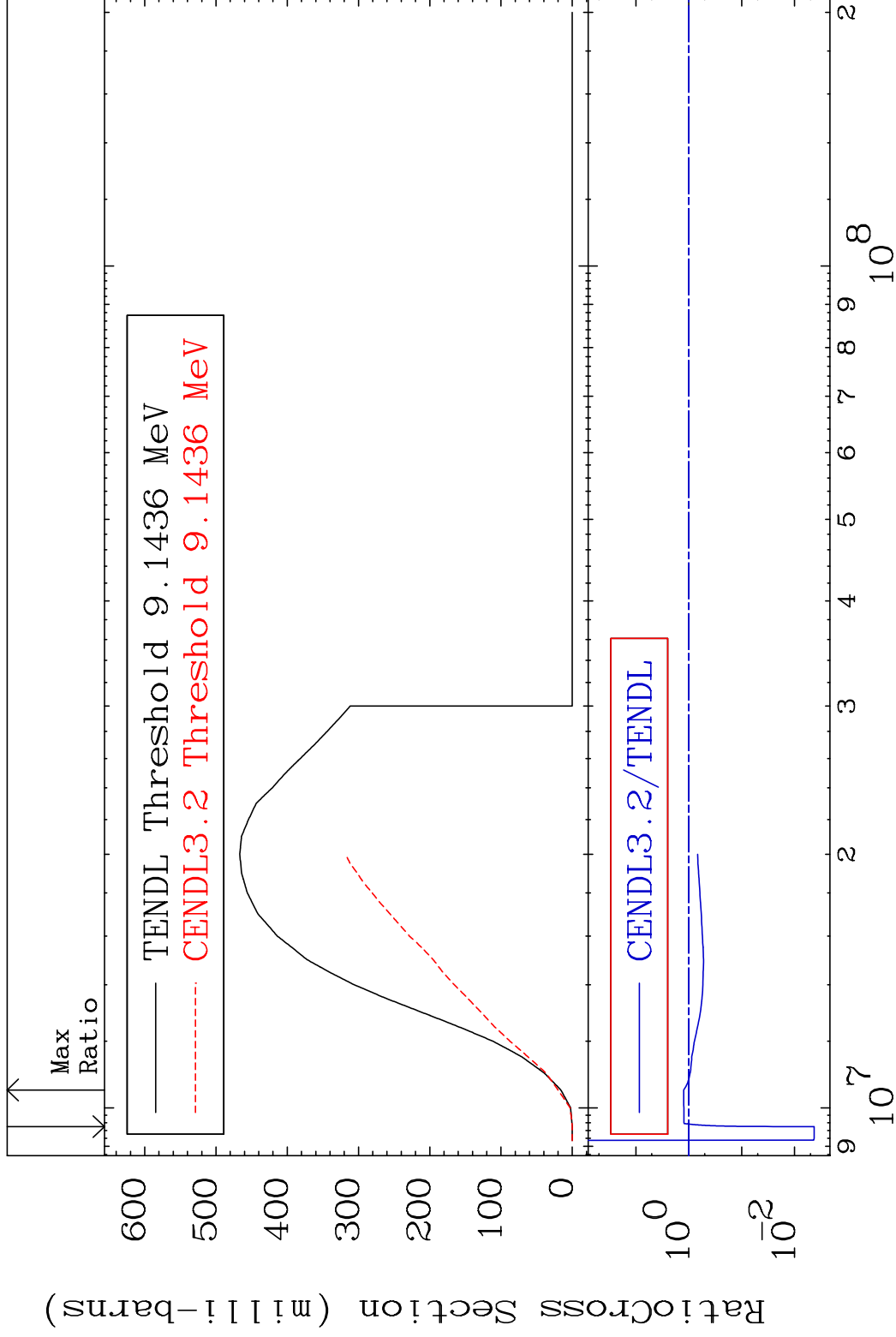


MAT 1625

(n, n') p

16-S -32

Cross Section -99.57 To 24.84 %

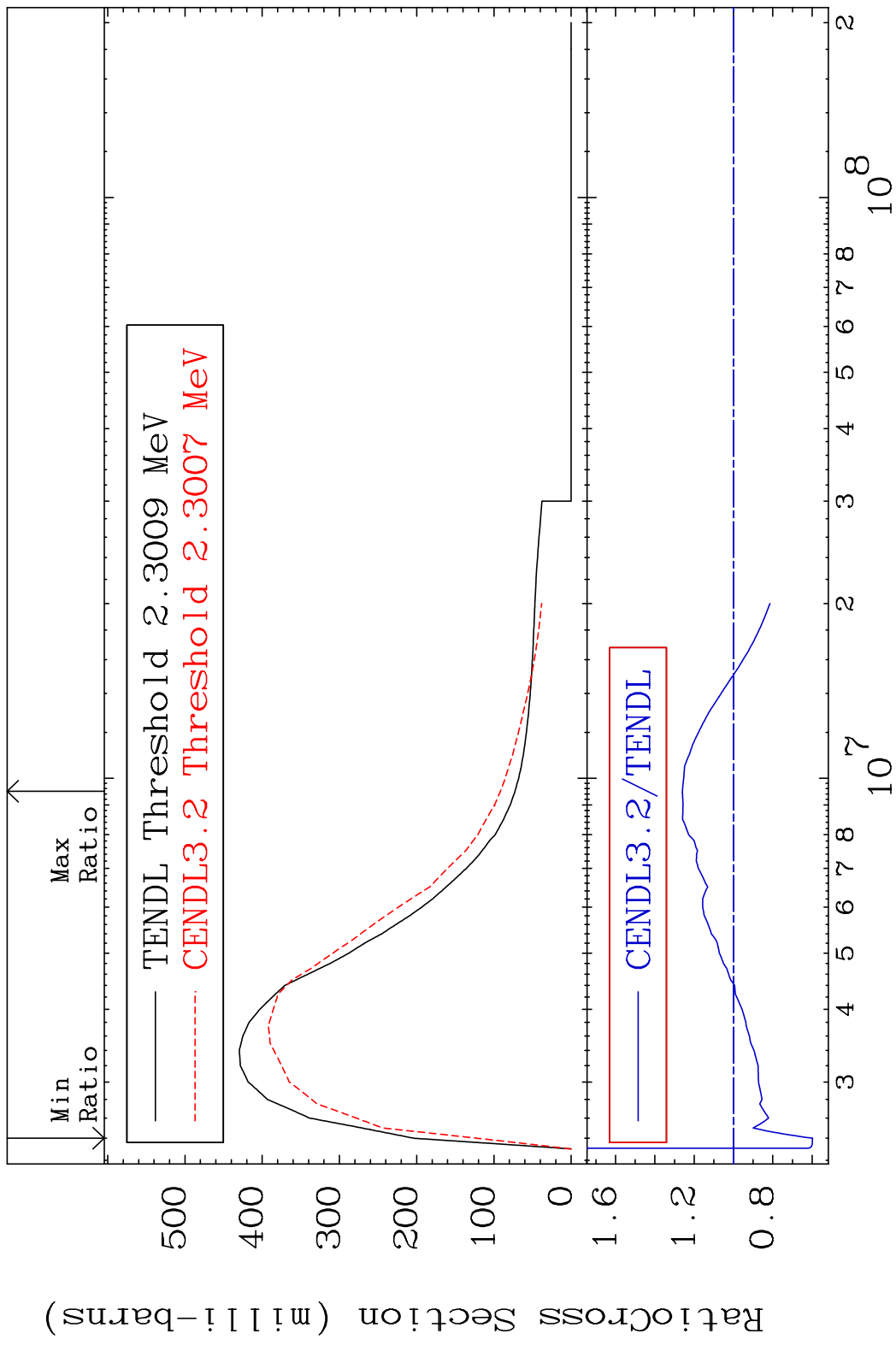


6

Incident Energy (eV)

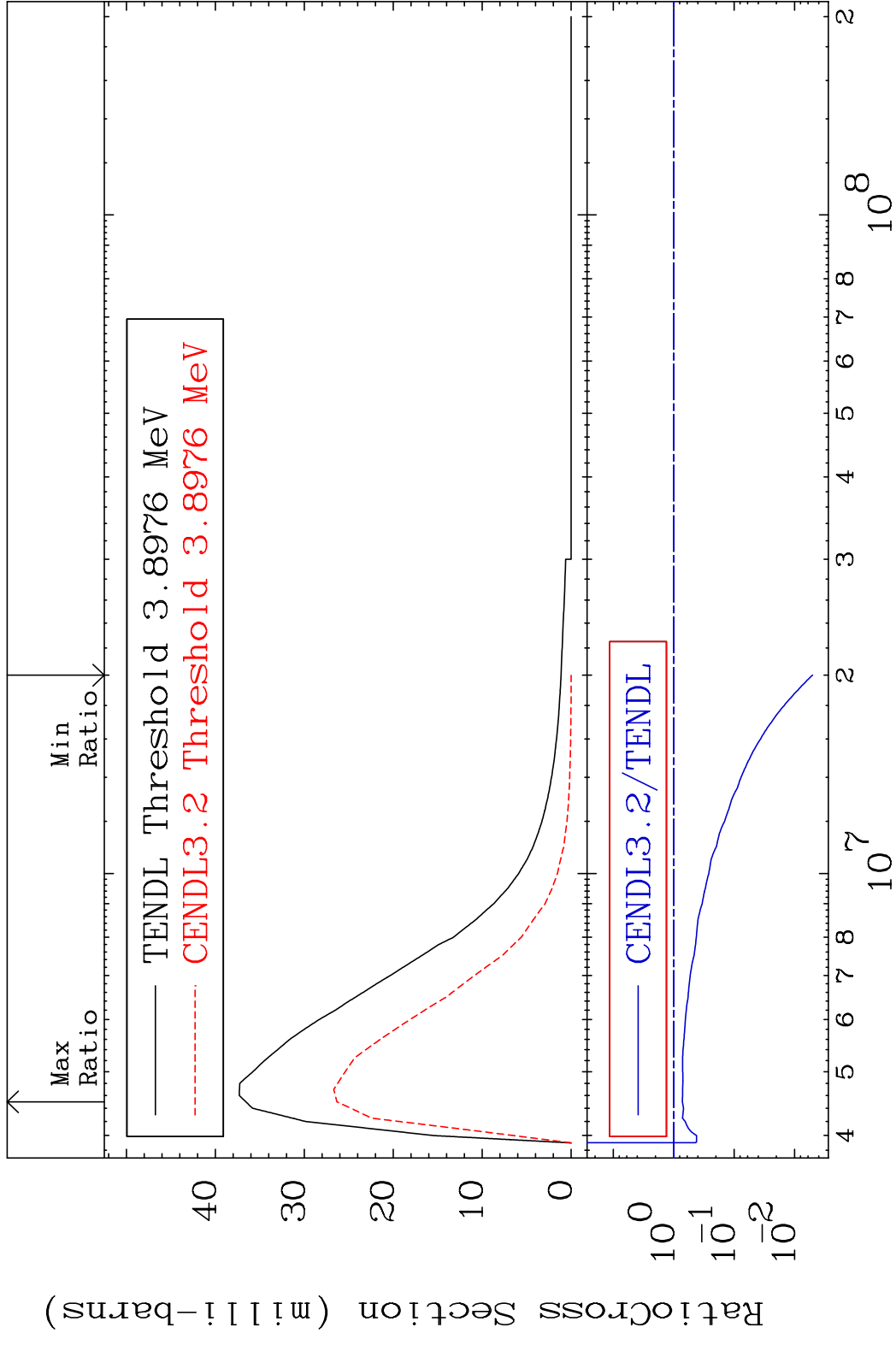
16-S -32

MAT 1625 MT= 51 (n,n') Level 16-S -32  
 Cross Section -40.23 To 26.02 %

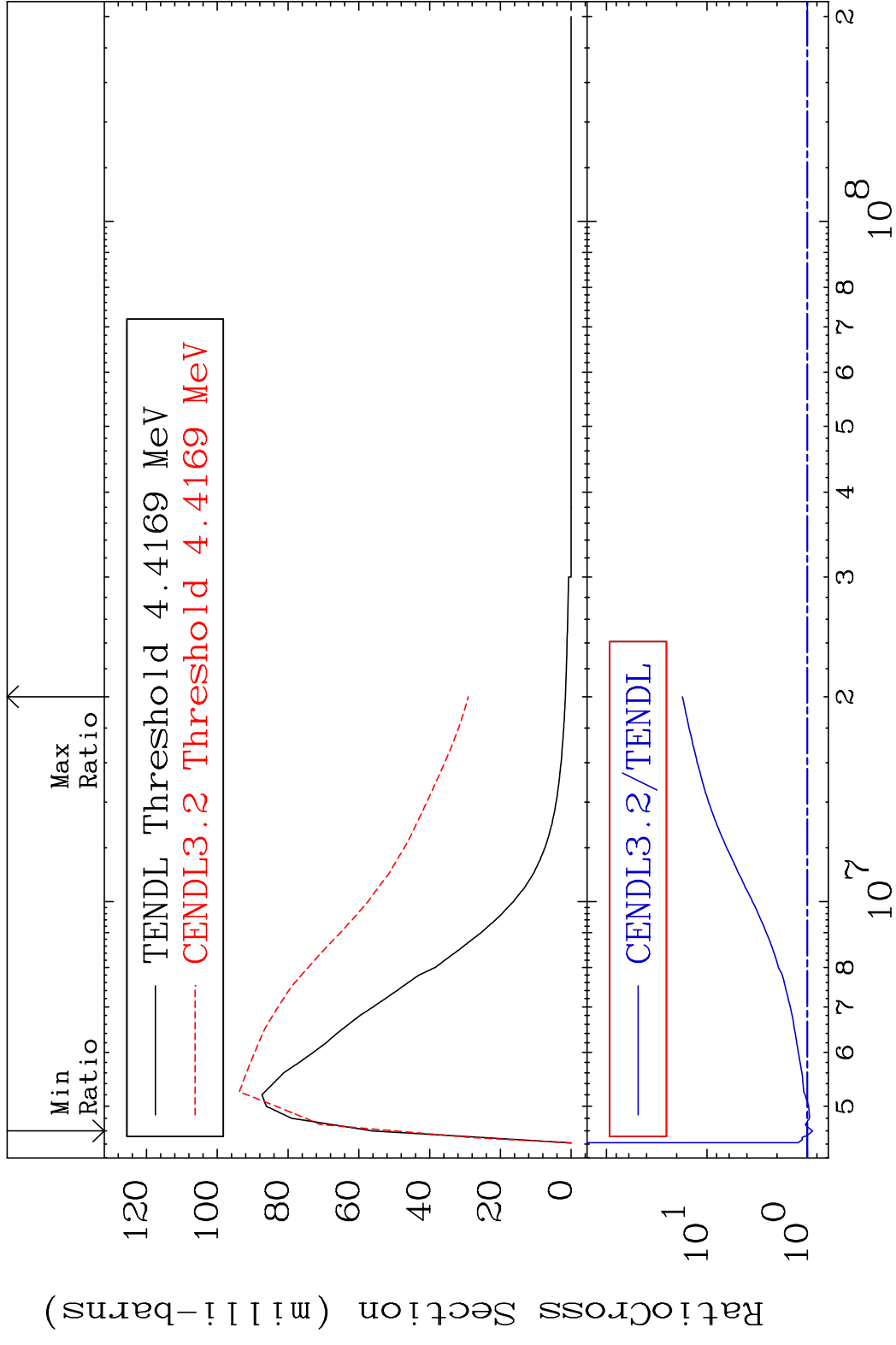




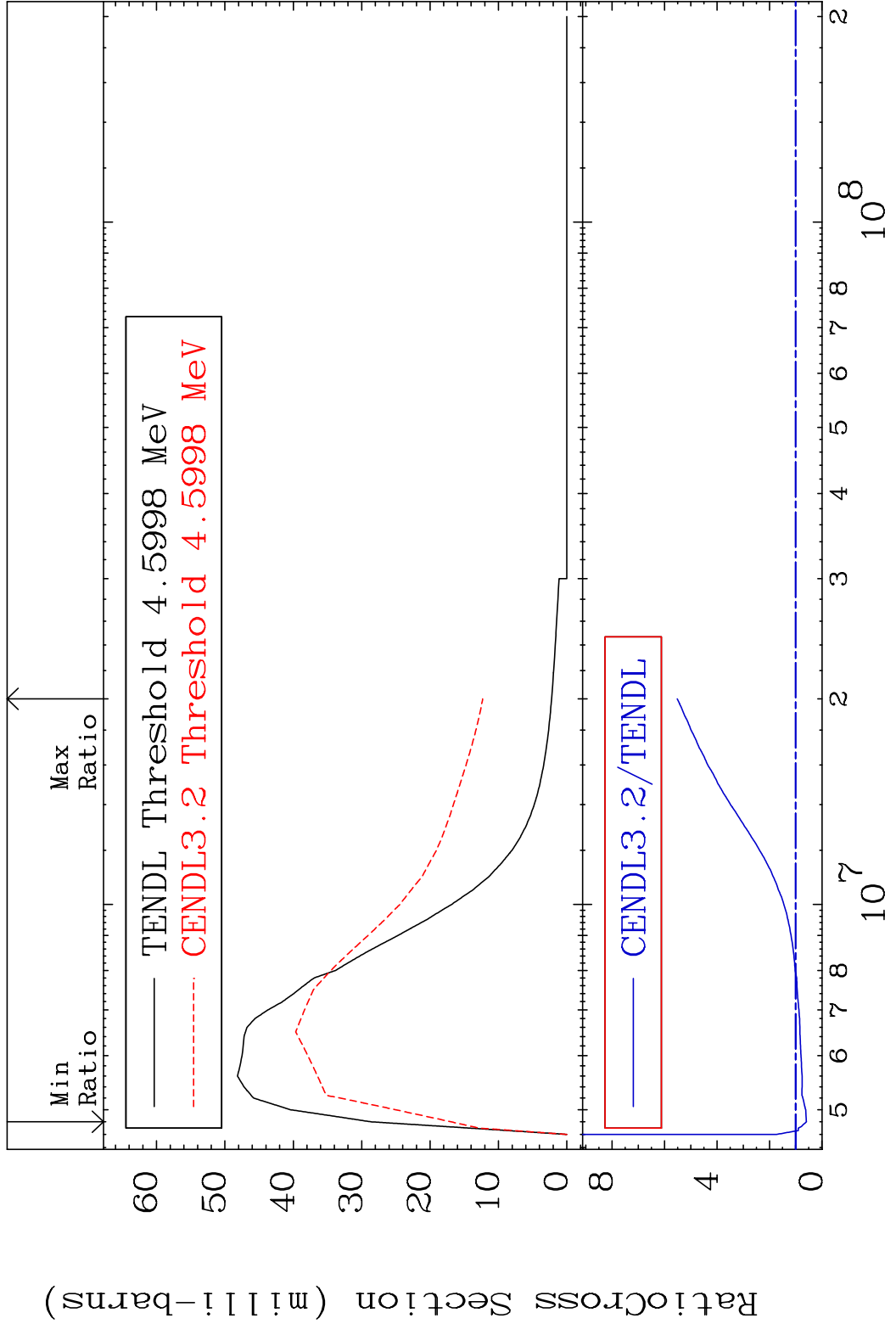
MAT 1625 MT= 52 (n,n') Level 16-S -32  
 Cross Section -99.50 To -28.00%



MAT 1625 MT= 53 (n, n') Level 16-S -32  
 Cross Section -11.43 To 1657. %

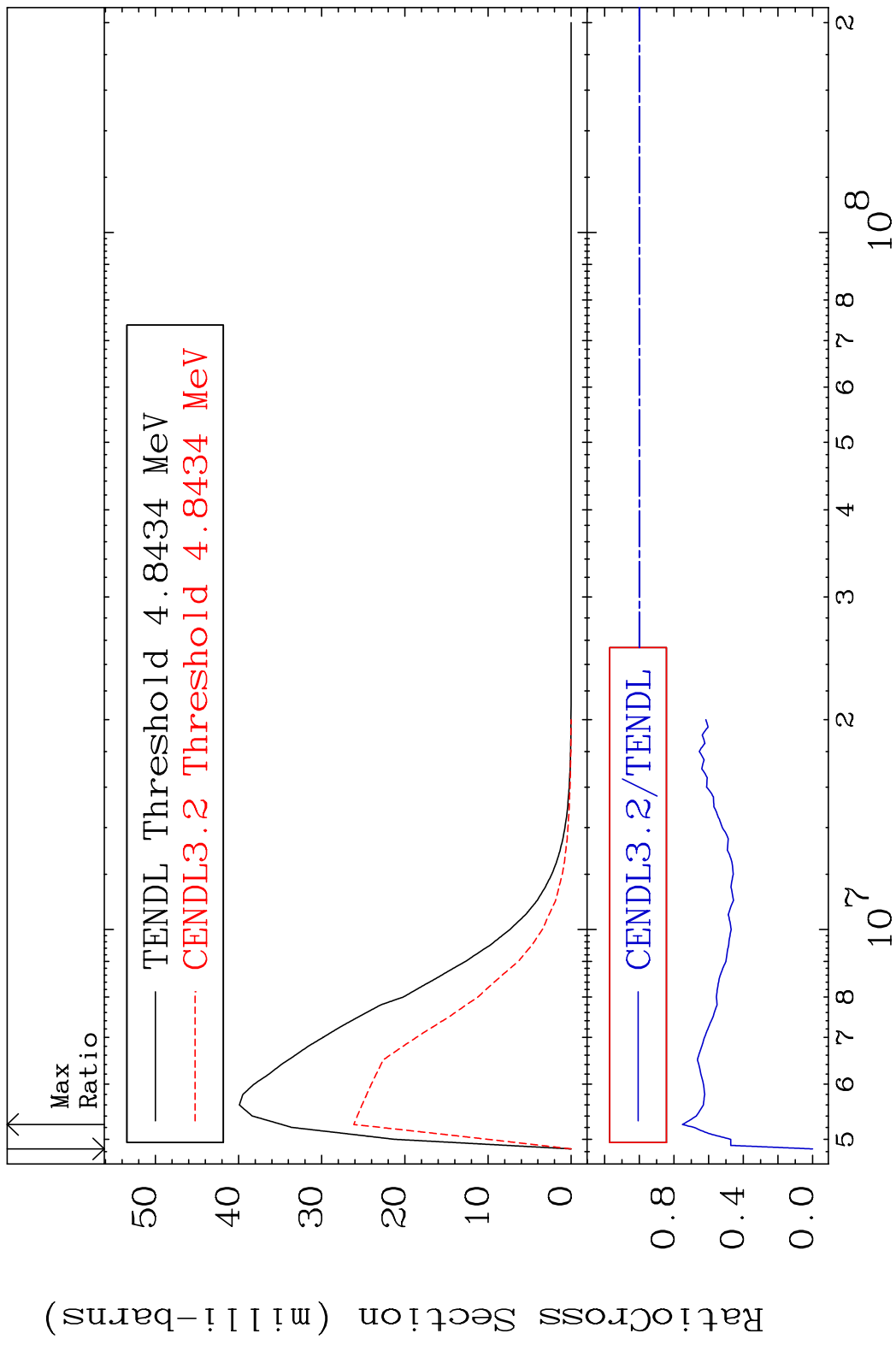


MAT 1625 MT= 54 (n,n') Level 16-S -32  
 Cross Section -40.84 To 451.7 %

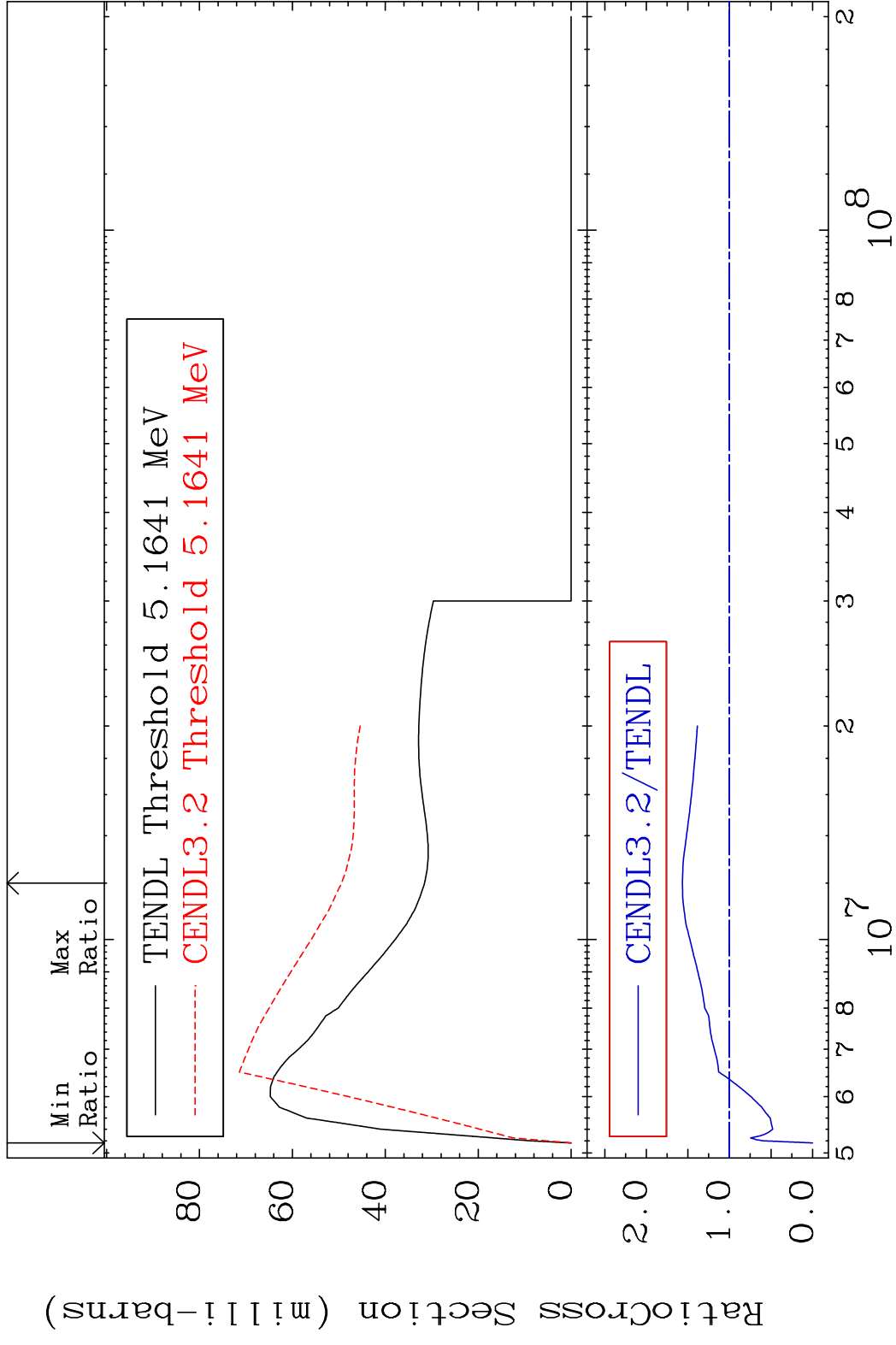


10 16-S -32

MAT 1625 MT= 55 (n,n') Level 16-S -32  
 Cross Section -100.0 To -24.83%

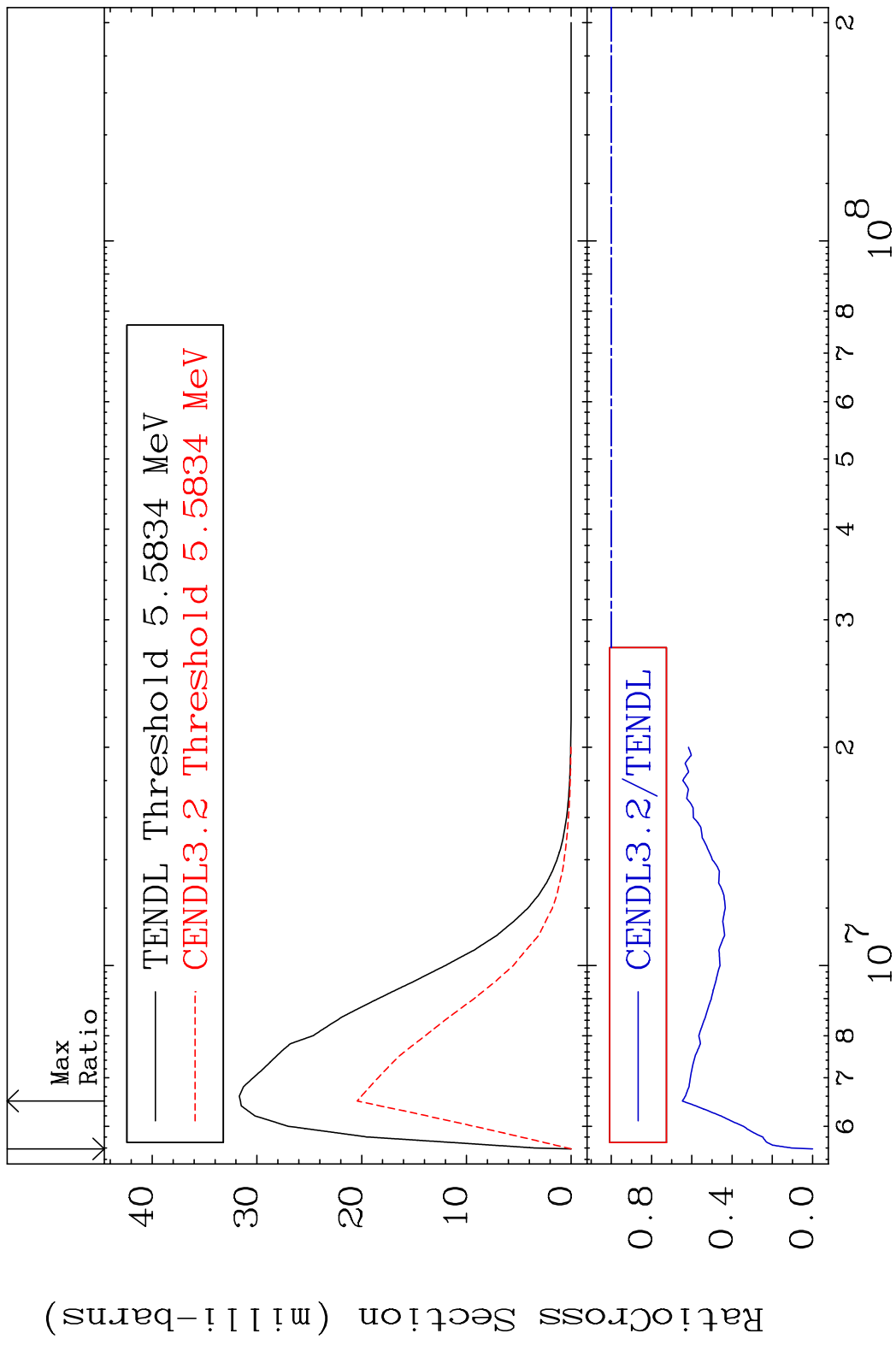


MAT 1625 MT= 56 (n,n') Level 16-S -32  
 Cross Section -100.0 To 56.66 %

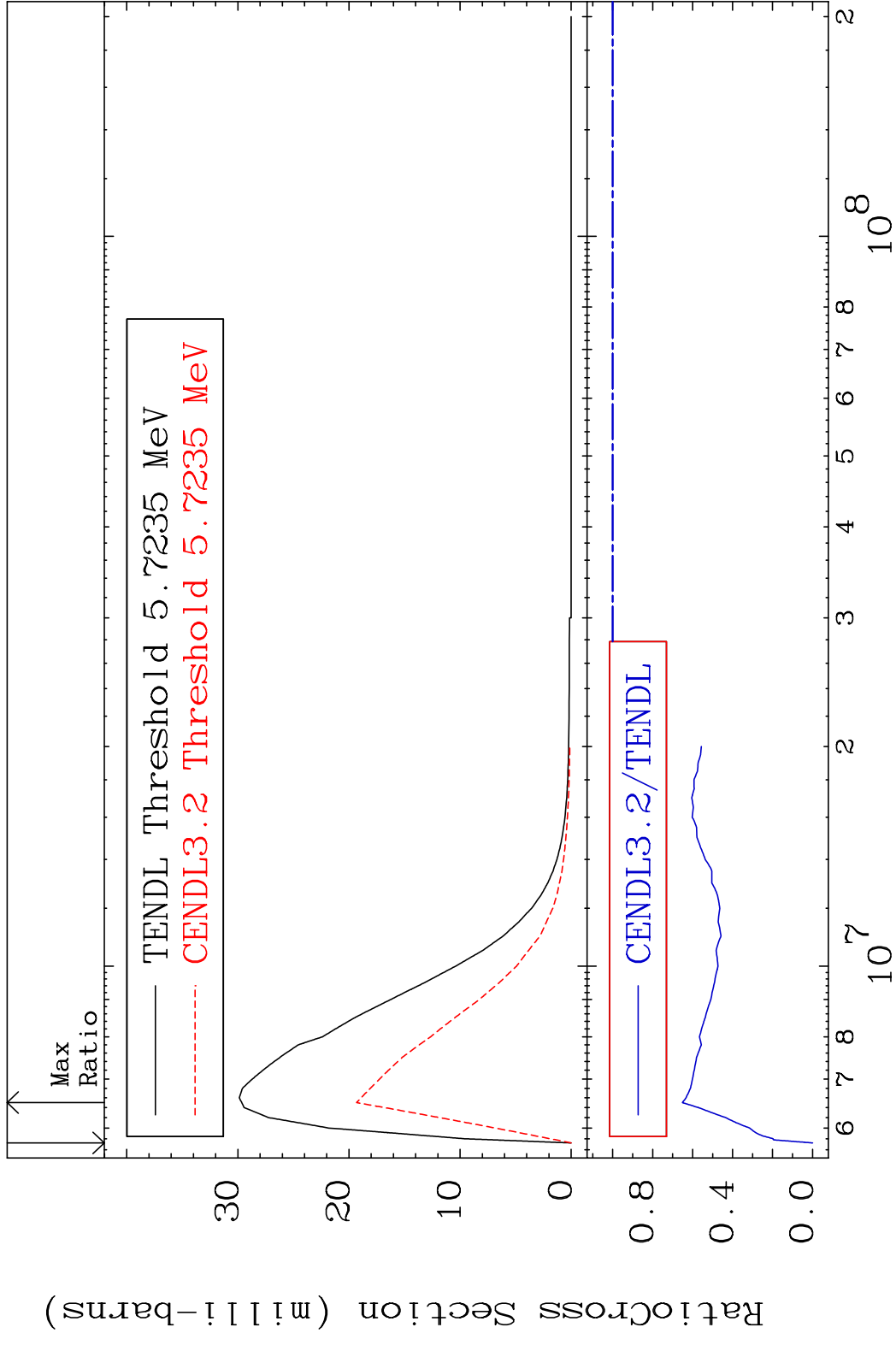


12 Incident Energy (eV) 16-S -32

MAT 1625 MT= 57 (n,n') Level 16-S -32  
 Cross Section -100.0 To -35.30%

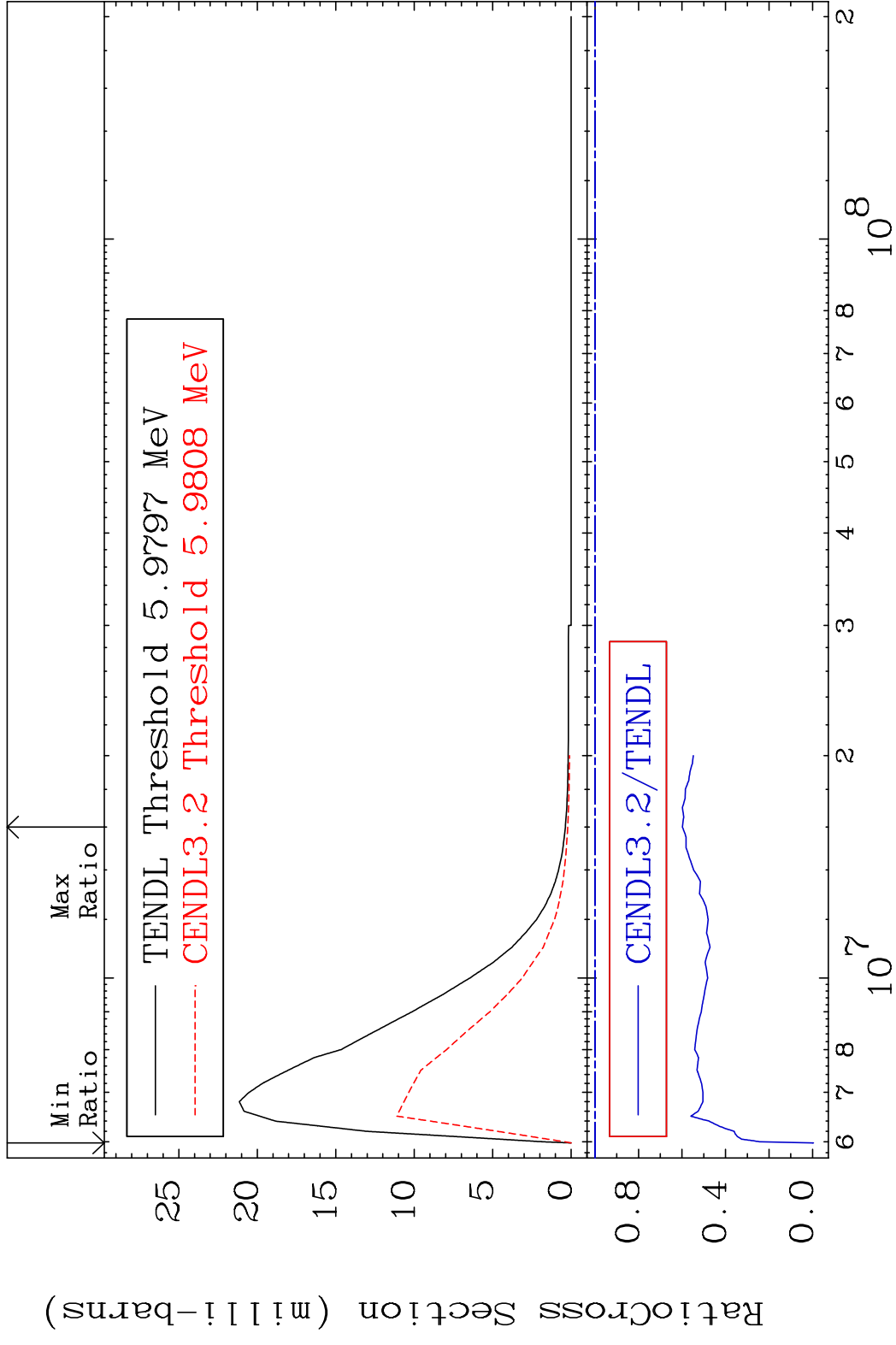


MAT 1625 MT= 58 (n,n') Level 16-S -32  
 Cross Section -100.0 To -34.86%



14 16-S -32

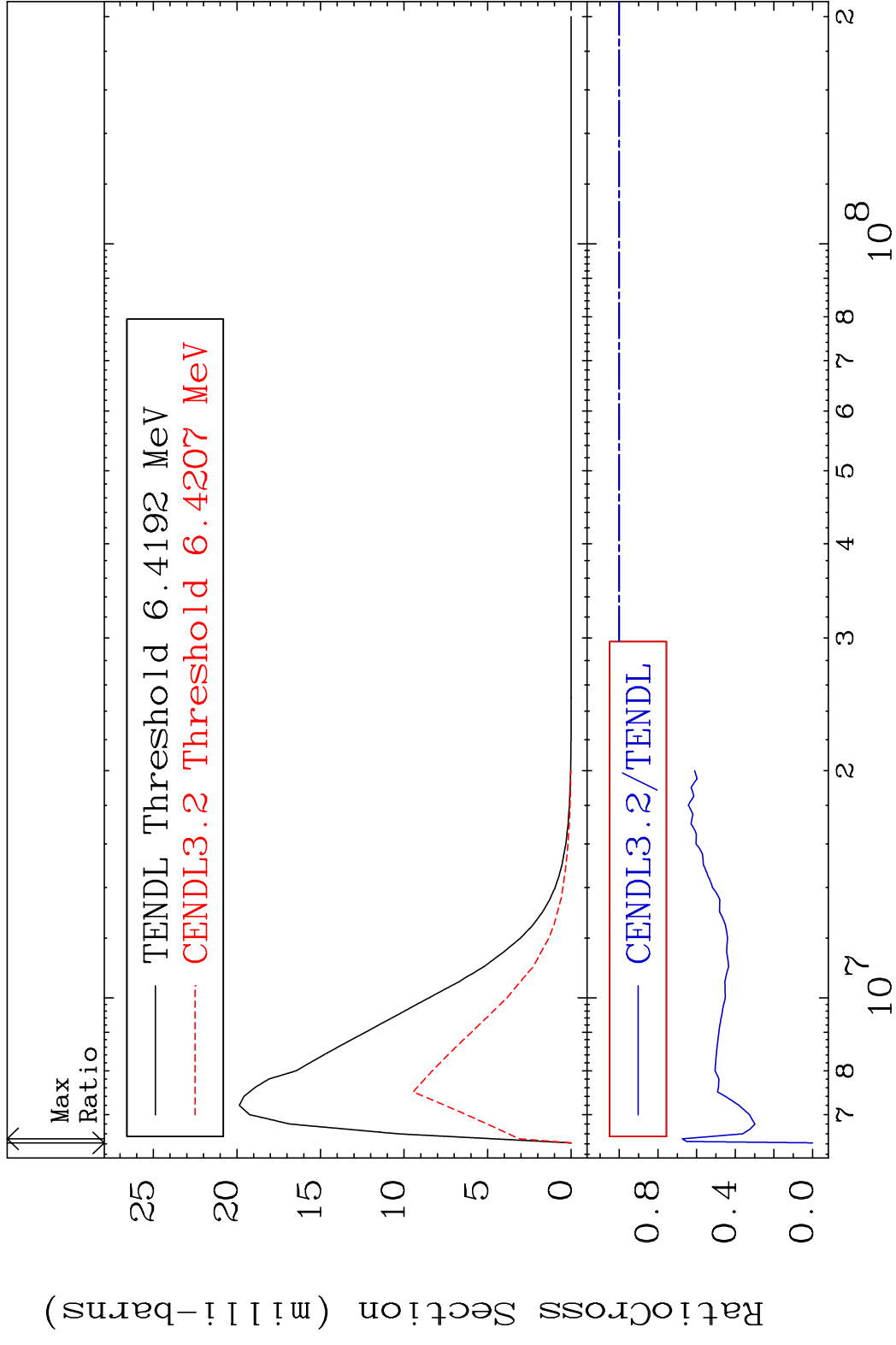
MAT 1625 MT= 59 (n,n') Level 16-S -32  
 Cross Section -100.0 To -40.15%



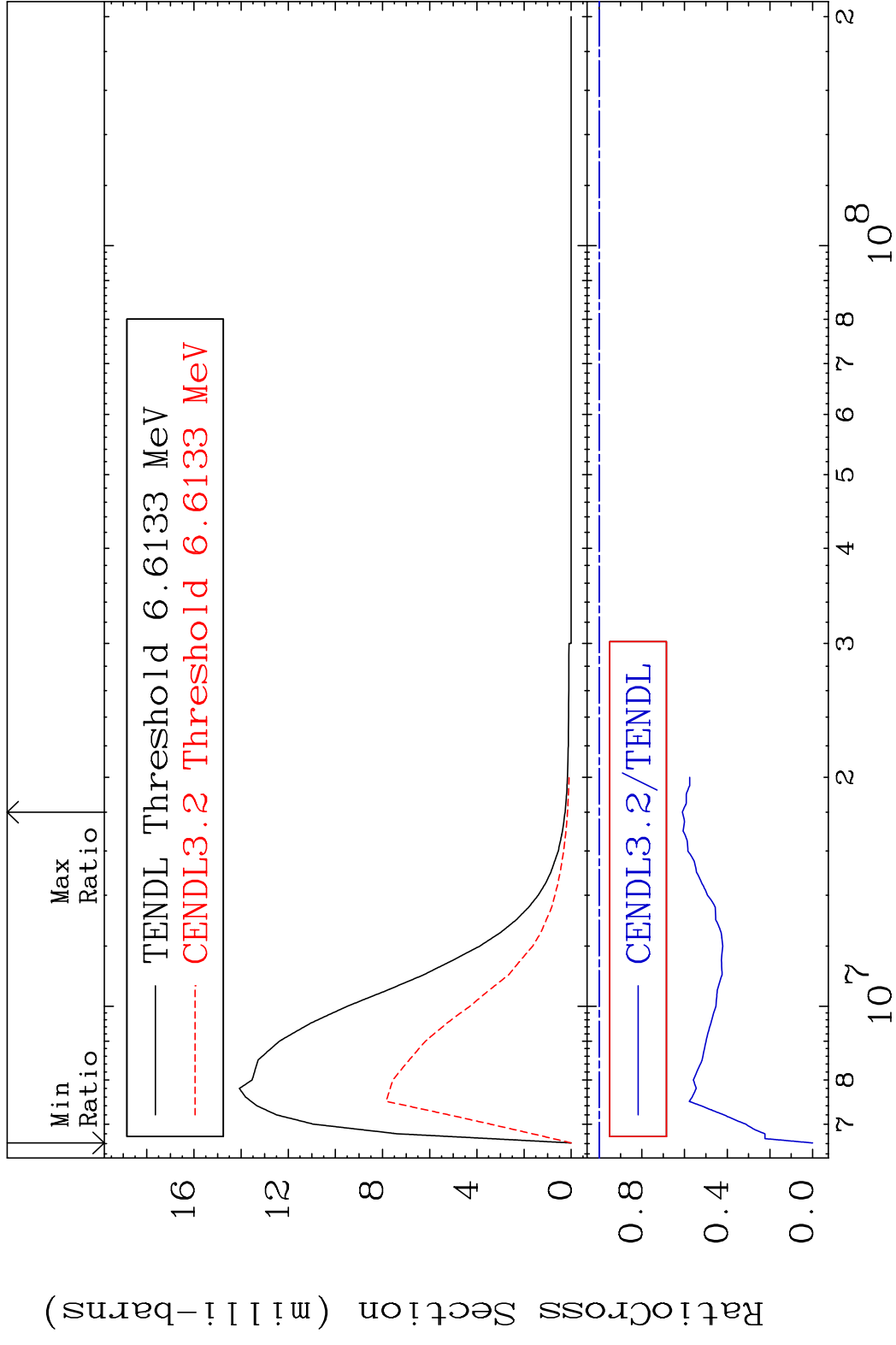
15 Incident Energy (eV) 16-S -32



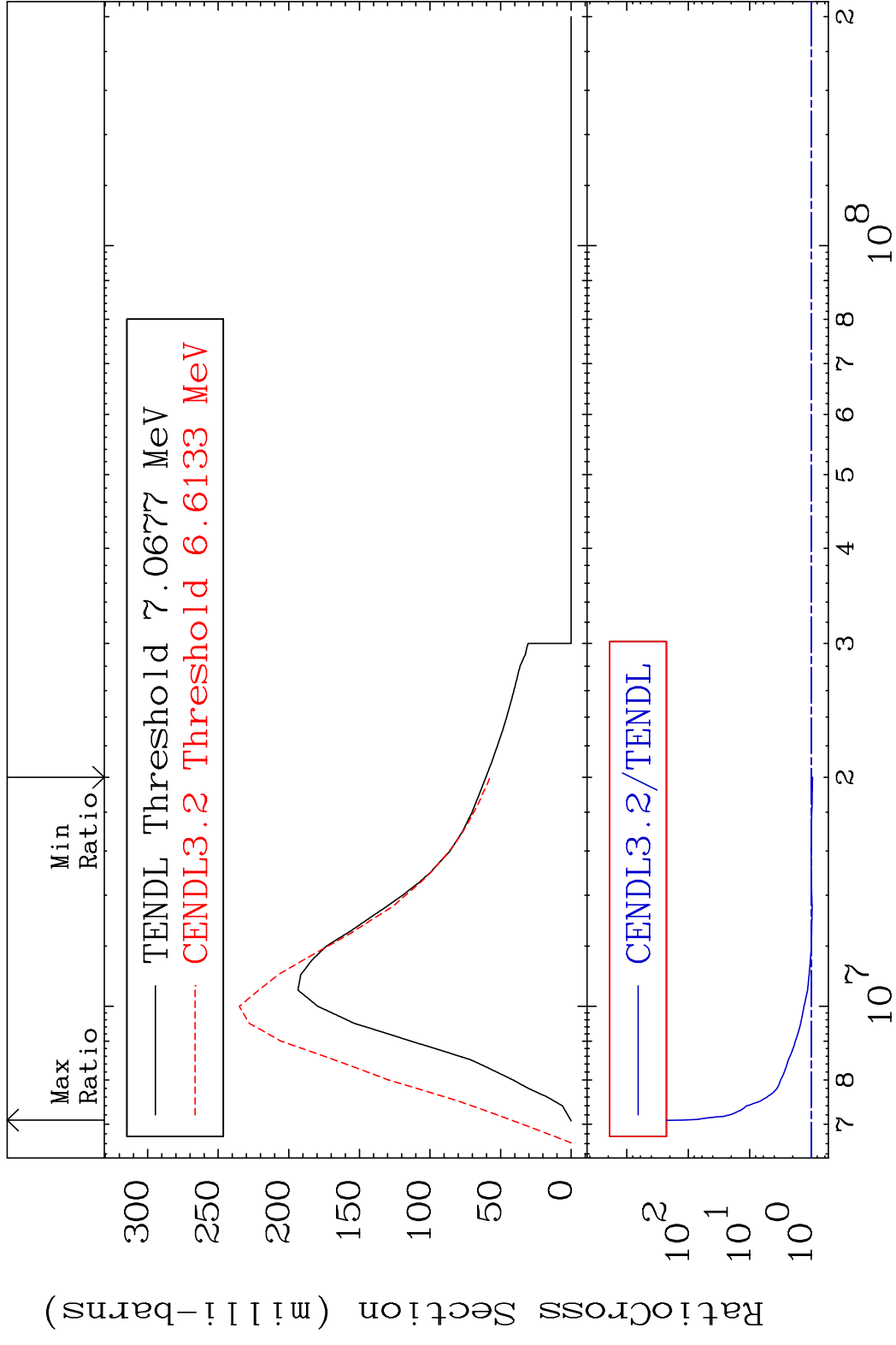
MAT 1625 MT= 60 (n,n') Level 16-S -32  
 Cross Section -100.0 To -32.63%



MAT 1625 MT= 61 (n,n') Level 16-S -32  
 Cross Section -100.0 To -38.97%



MAT 1625 (n,n') Continuum 16-S -32  
 Cross Section -4.900 To 9999. %

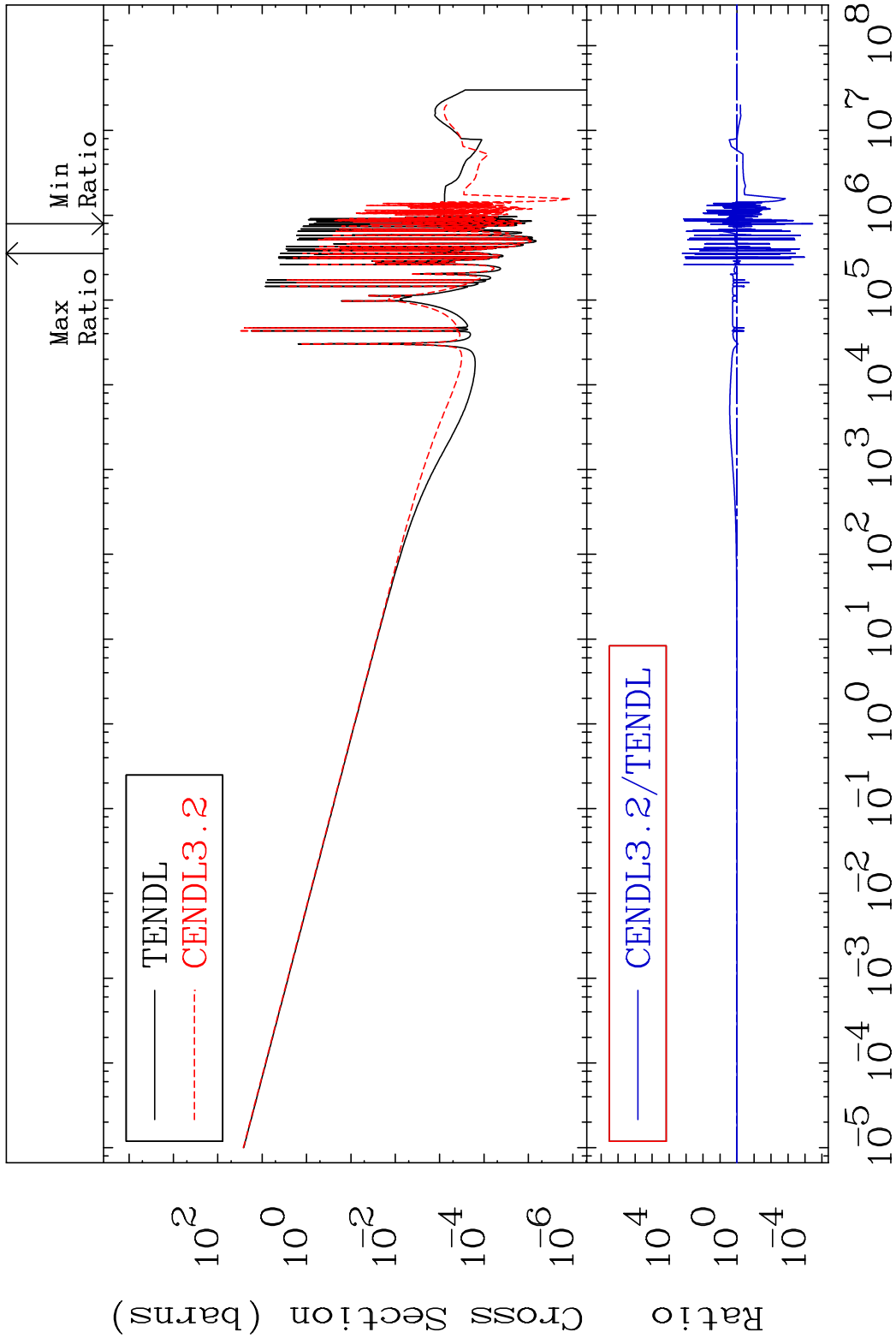


MAT 1625

(n,  $\gamma$ )

16-S -32

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

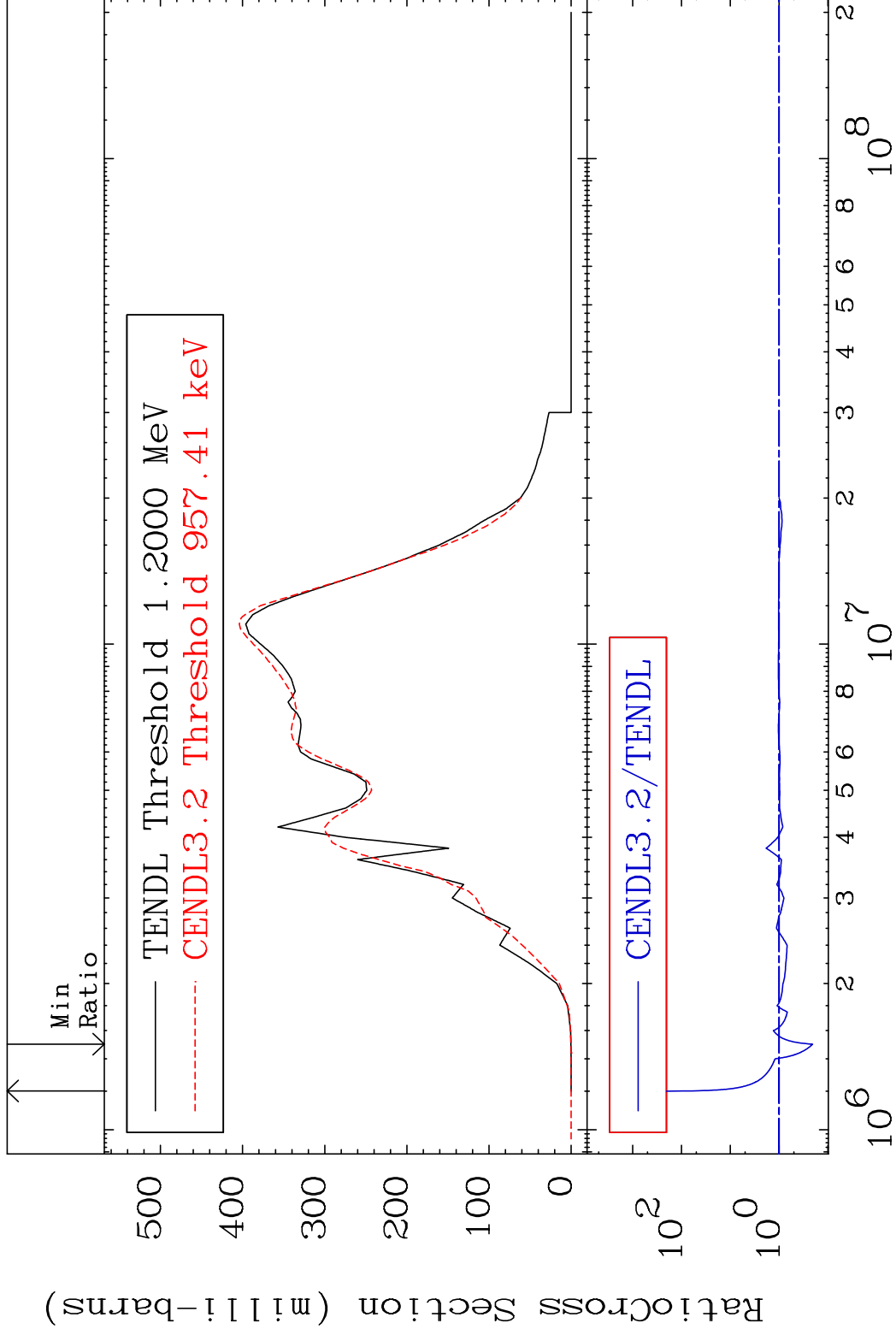
16-S -32

MAT 1625

(n,p)

16-S -32

Cross Section -79.33 To 9534. %

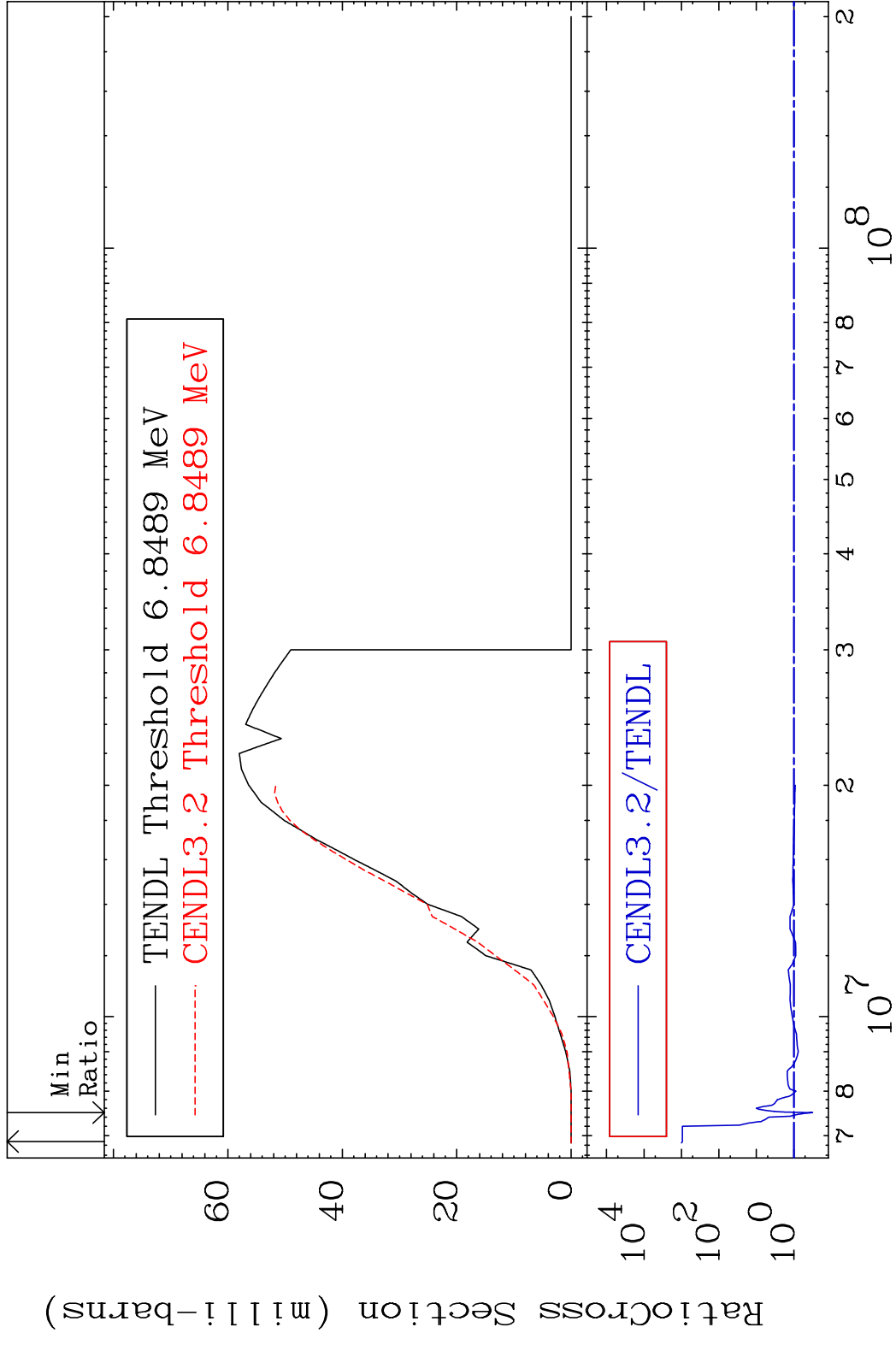


20

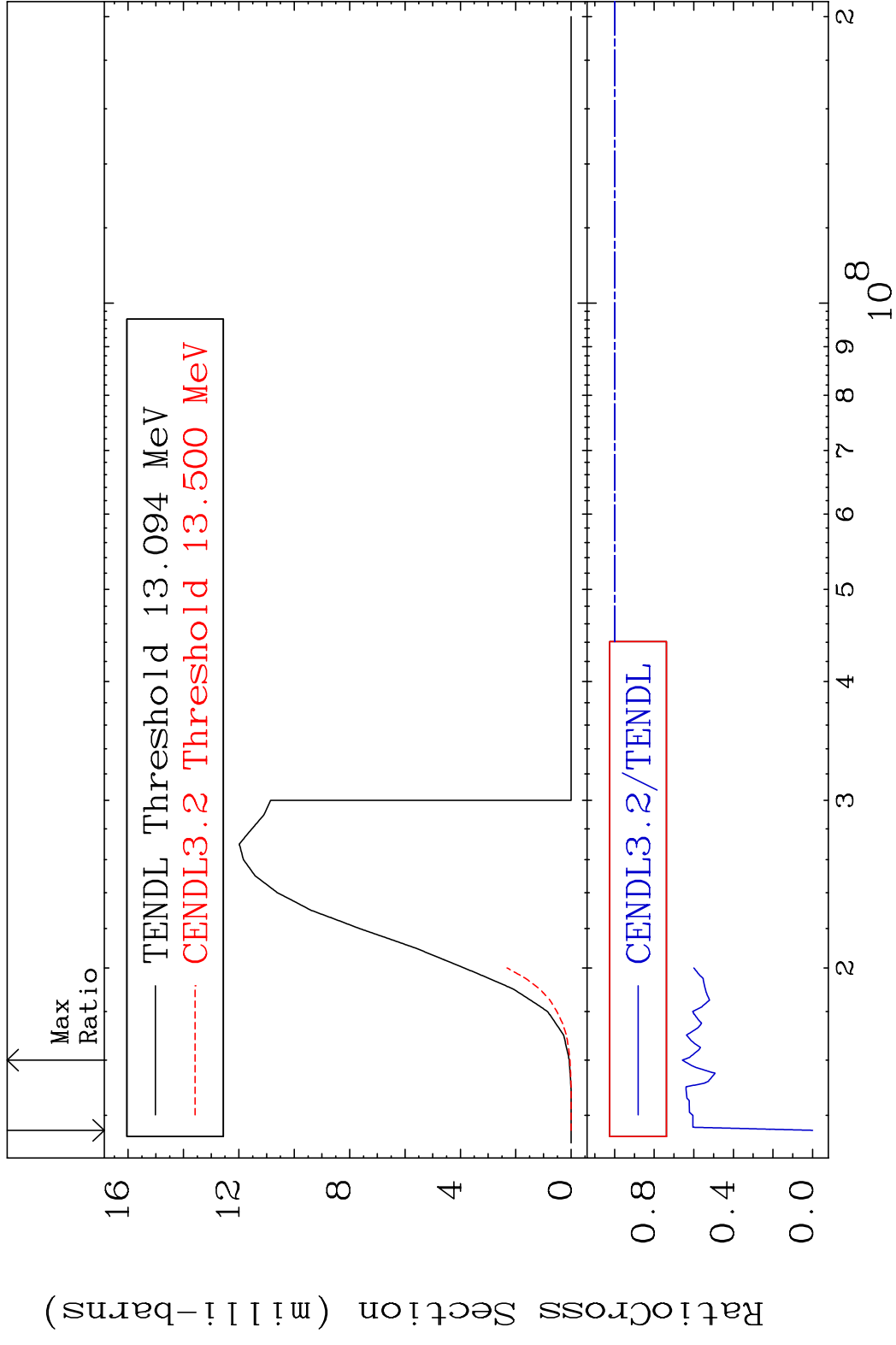
Incident Energy (eV)

16-S -32

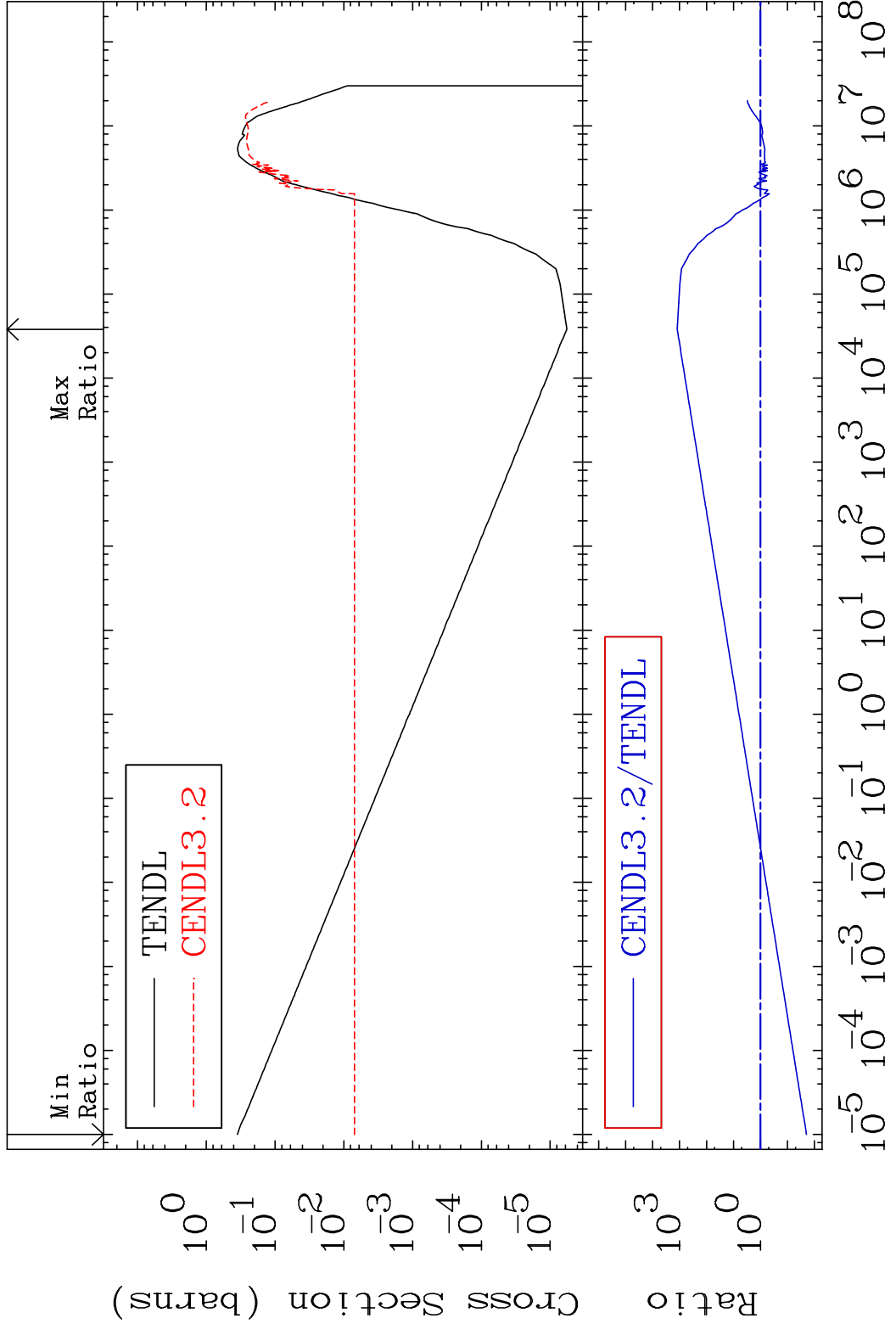
MAT 1625 (n,d) 16-S -32  
 Cross Section -68.33 To 9999. %



MAT 1625 (n, t) 16-S -32  
 Cross Section -100.0 To -34.22%



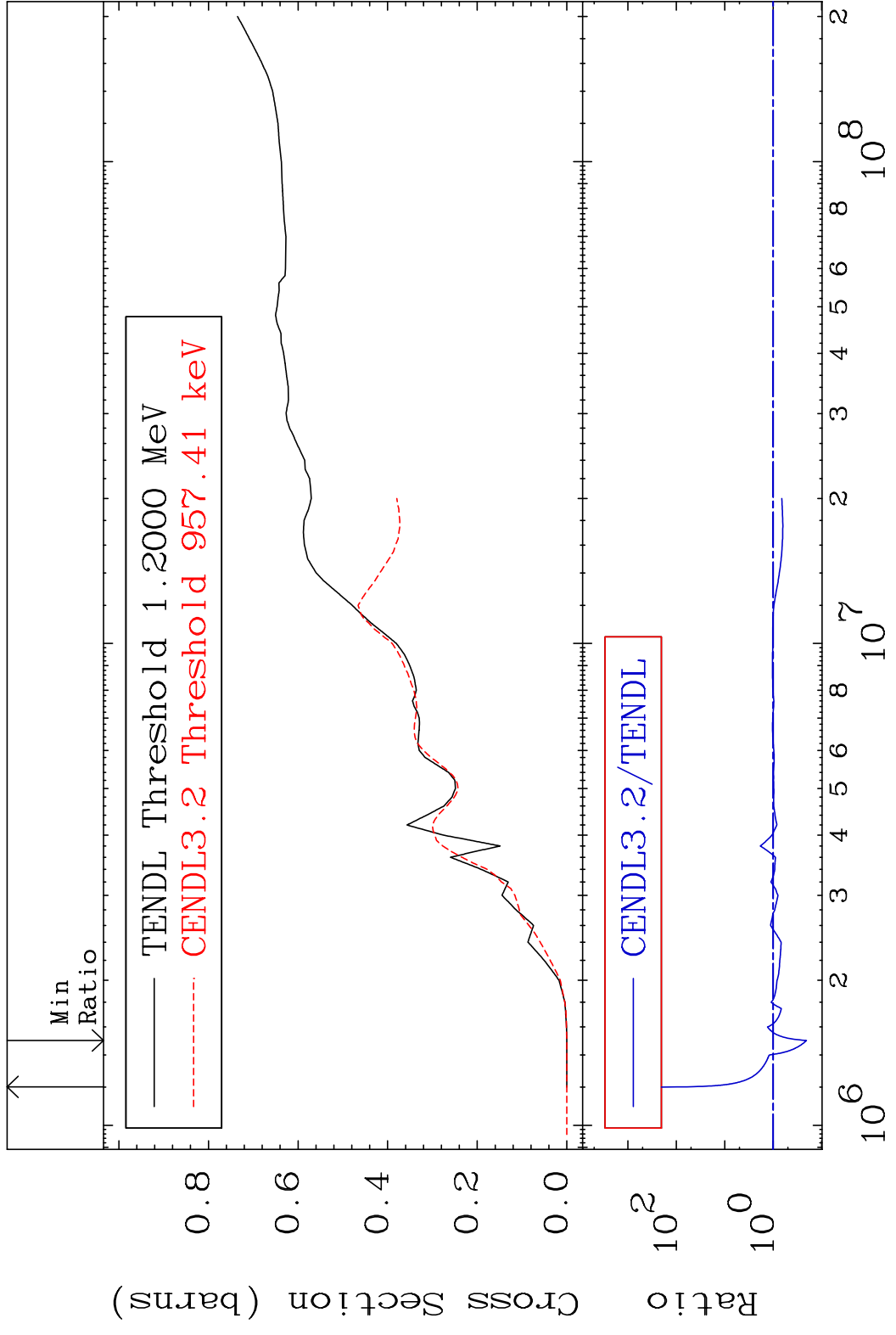
MAT 1625 (n,  $\alpha$ ) Cross Section -98.01 To 9999. % 16-S -32





MAT 1625

Hydrogen Production 16-S -32  
Cross Section -79.33 To 9534. %

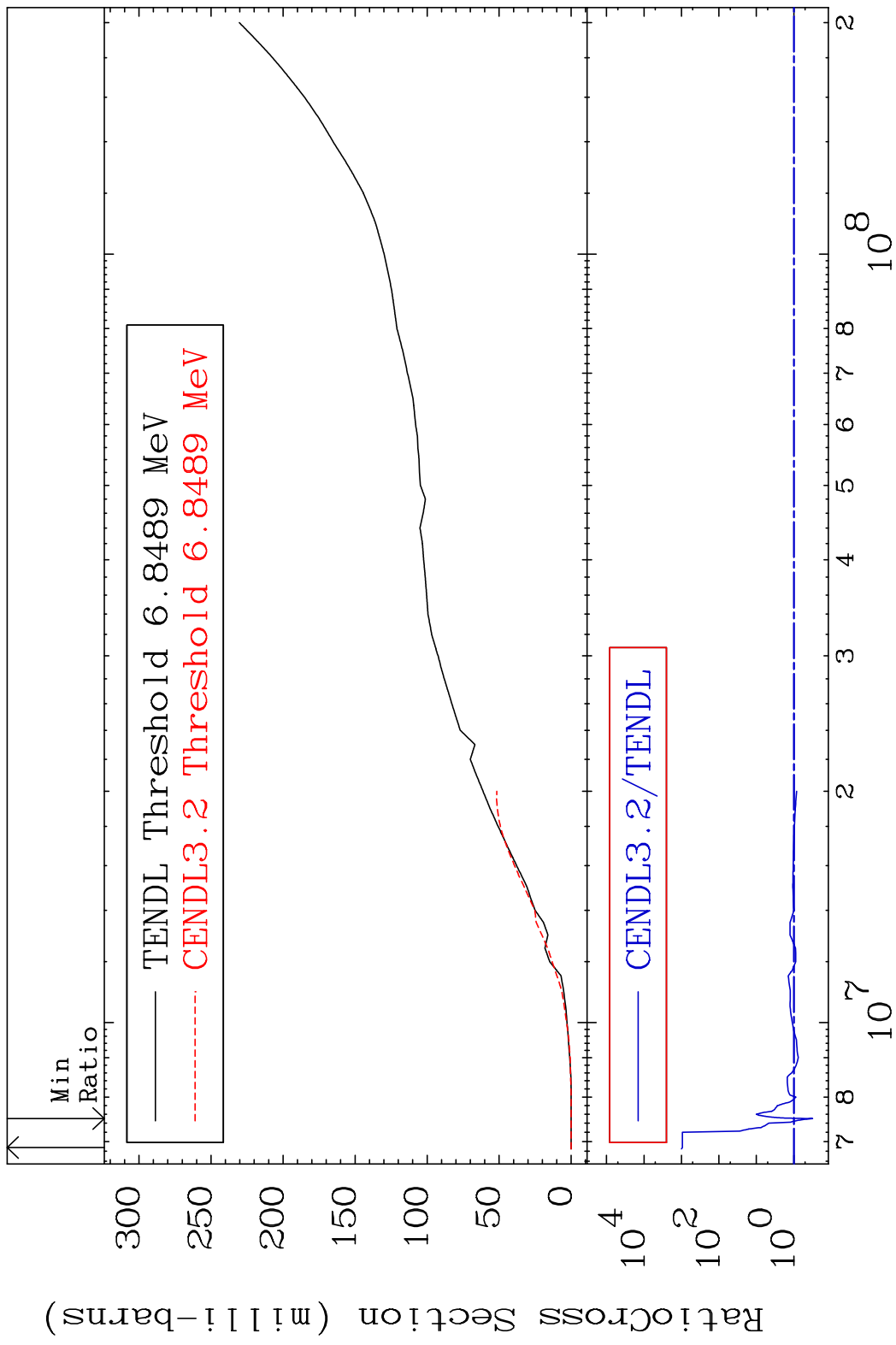


24

Incident Energy (eV)

16-S -32

MAT 1625 Deuterium Production 16-S -32  
 Cross Section -68.33 To 9999. %



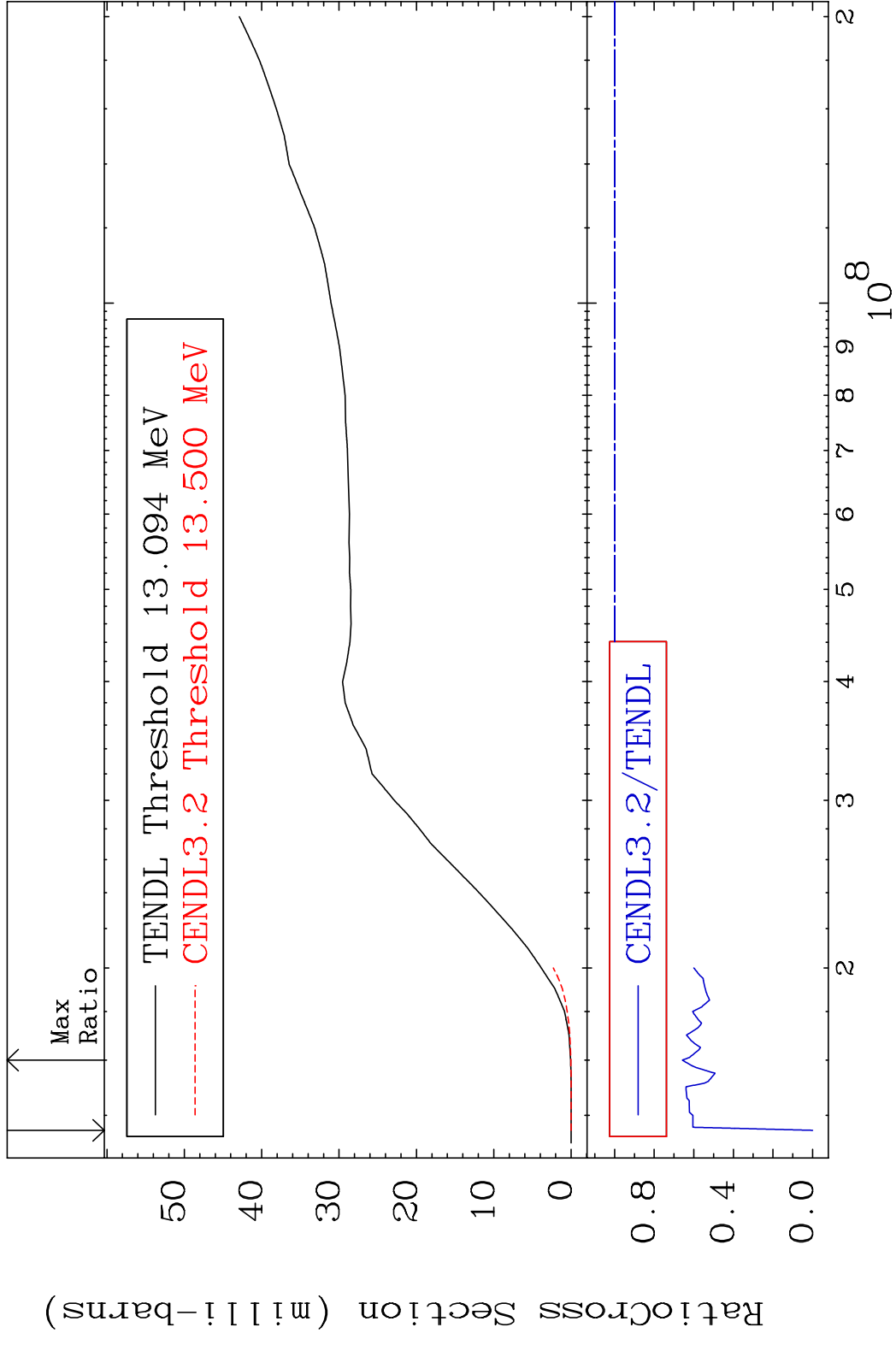
25 16-S -32

MAT 1625

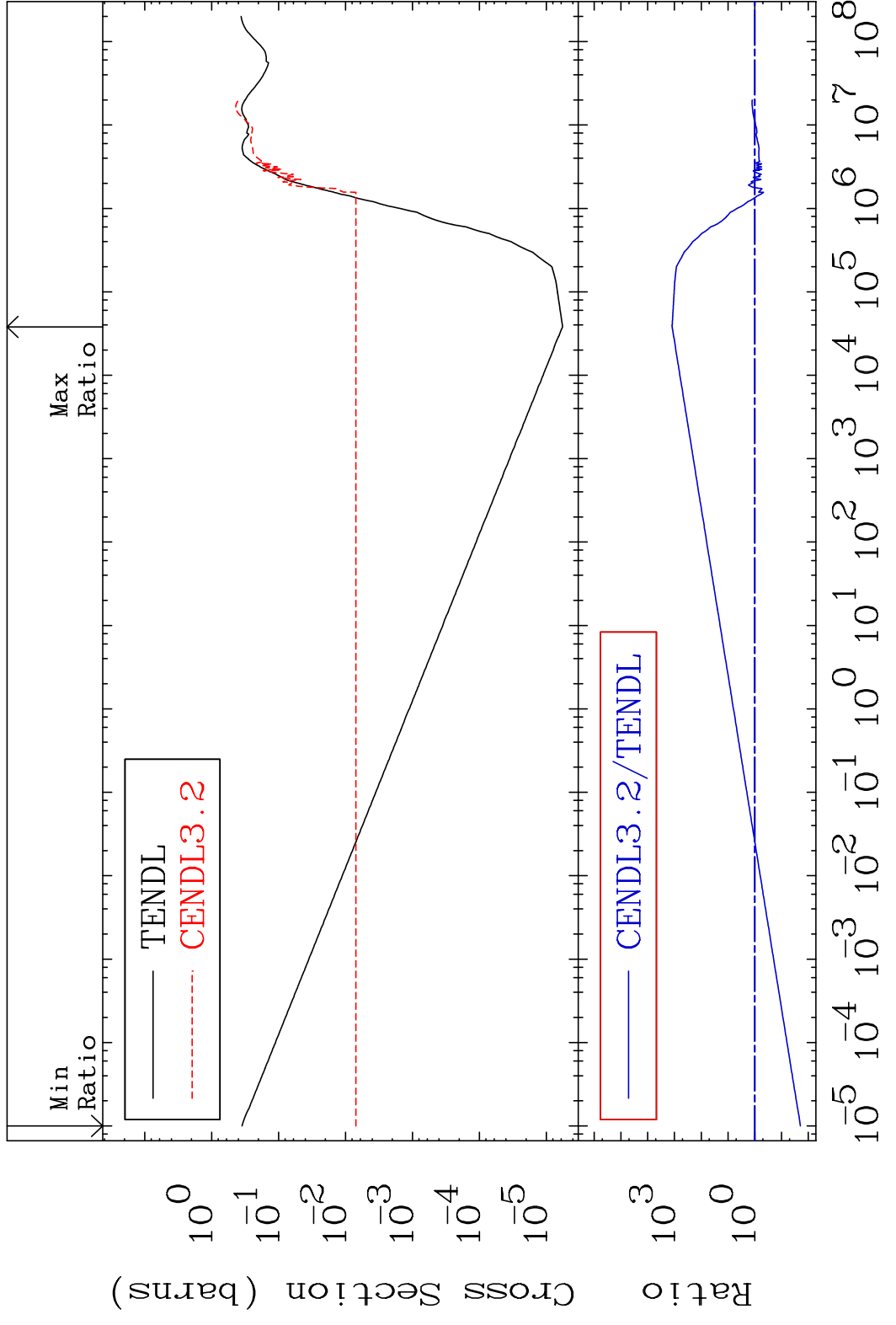
Tritium Production

16-S -32

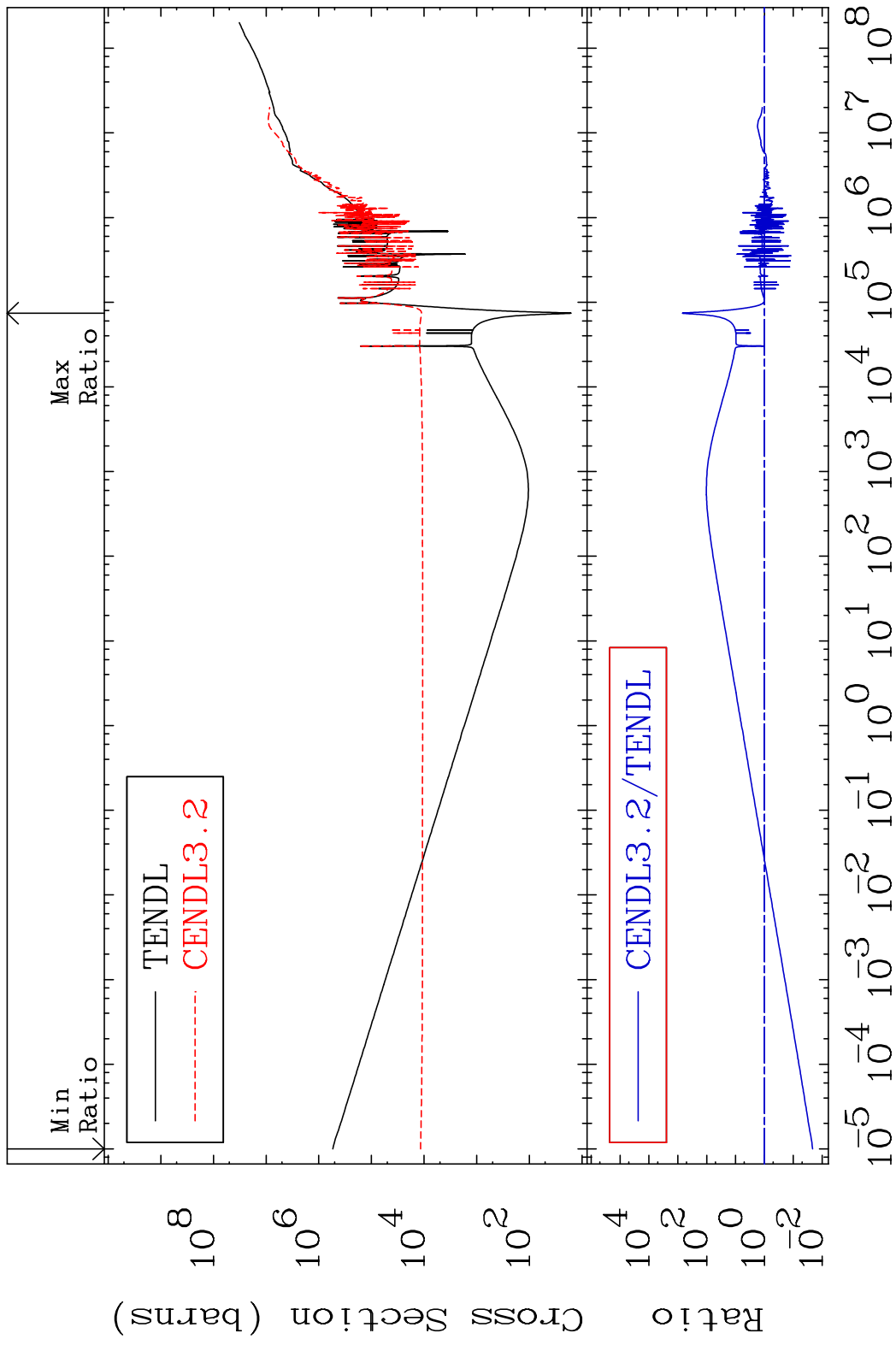
Cross Section -100.0 To -34.22%



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



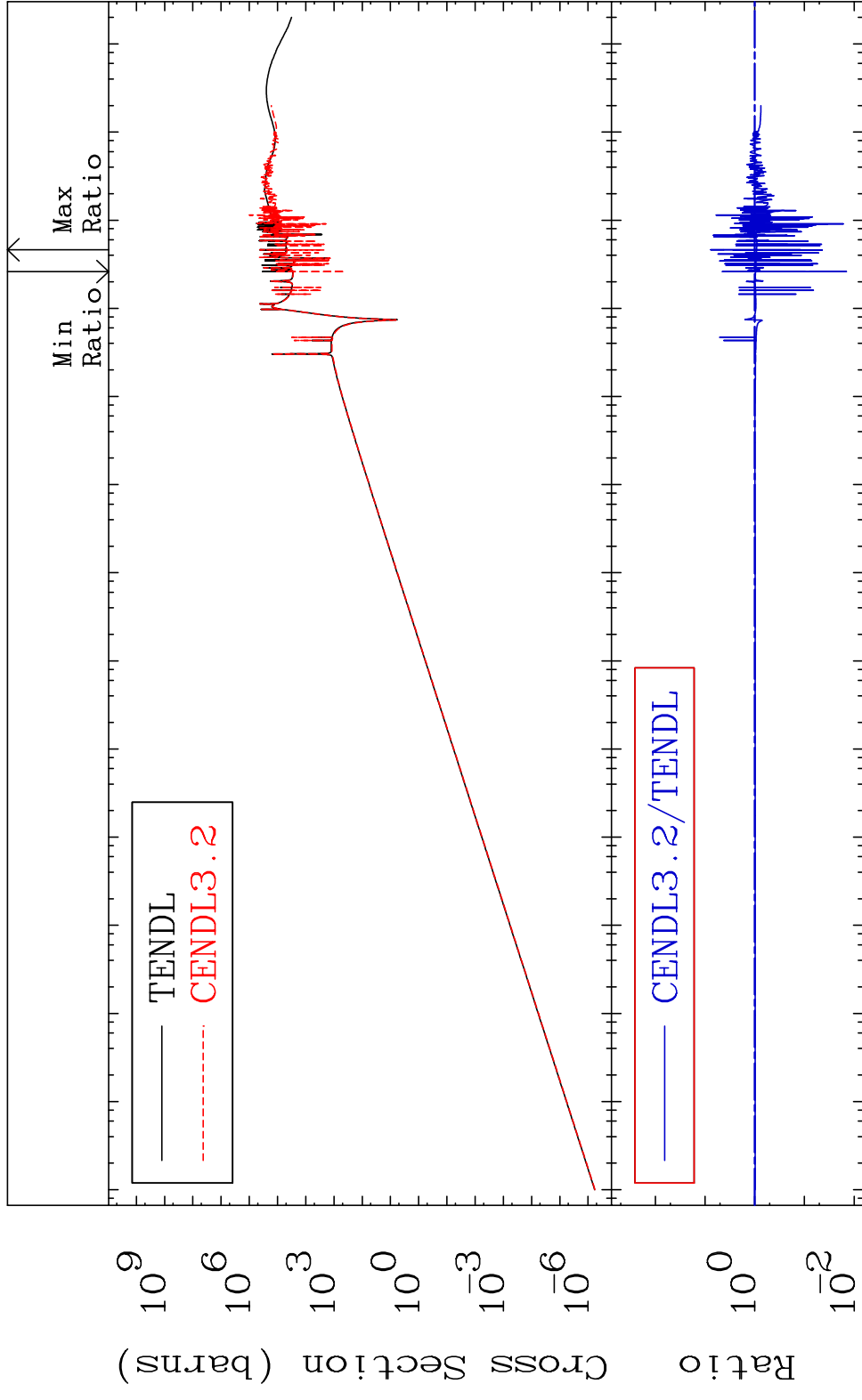
MAT 1625 Kerma total (eV-barns) 16-S -32  
 Cross Section -97.84 To 9999. %



MAT 1625

Kerma elastic  
Cross Section

16-S -32  
-98.57 To 668.6 %

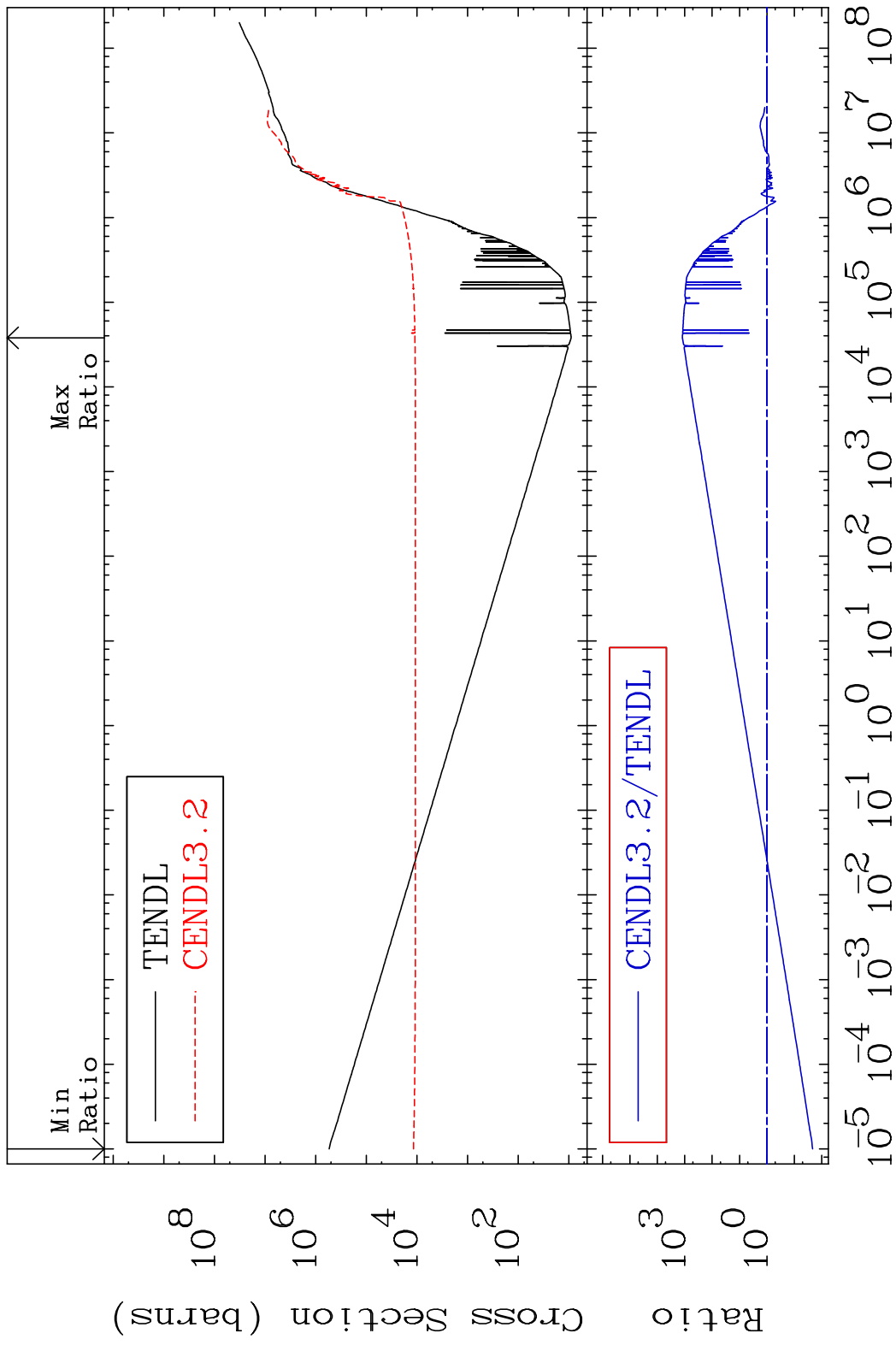


29

Incident Energy (eV)

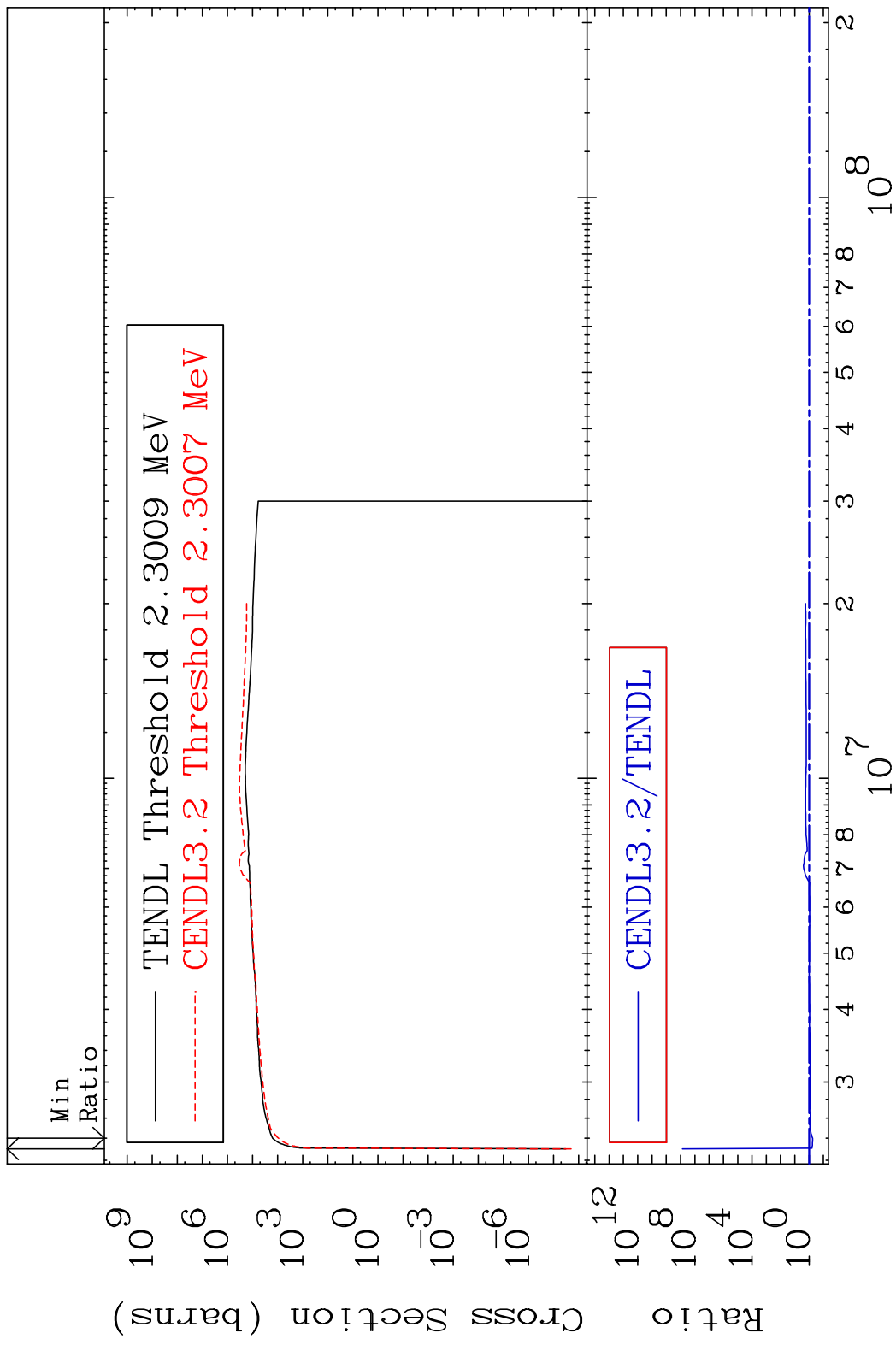
16-S -32

MAT 1625 Kerma non-elastic (all but mt2) 16-S -32  
 Cross Section -97.84 To 9999. %



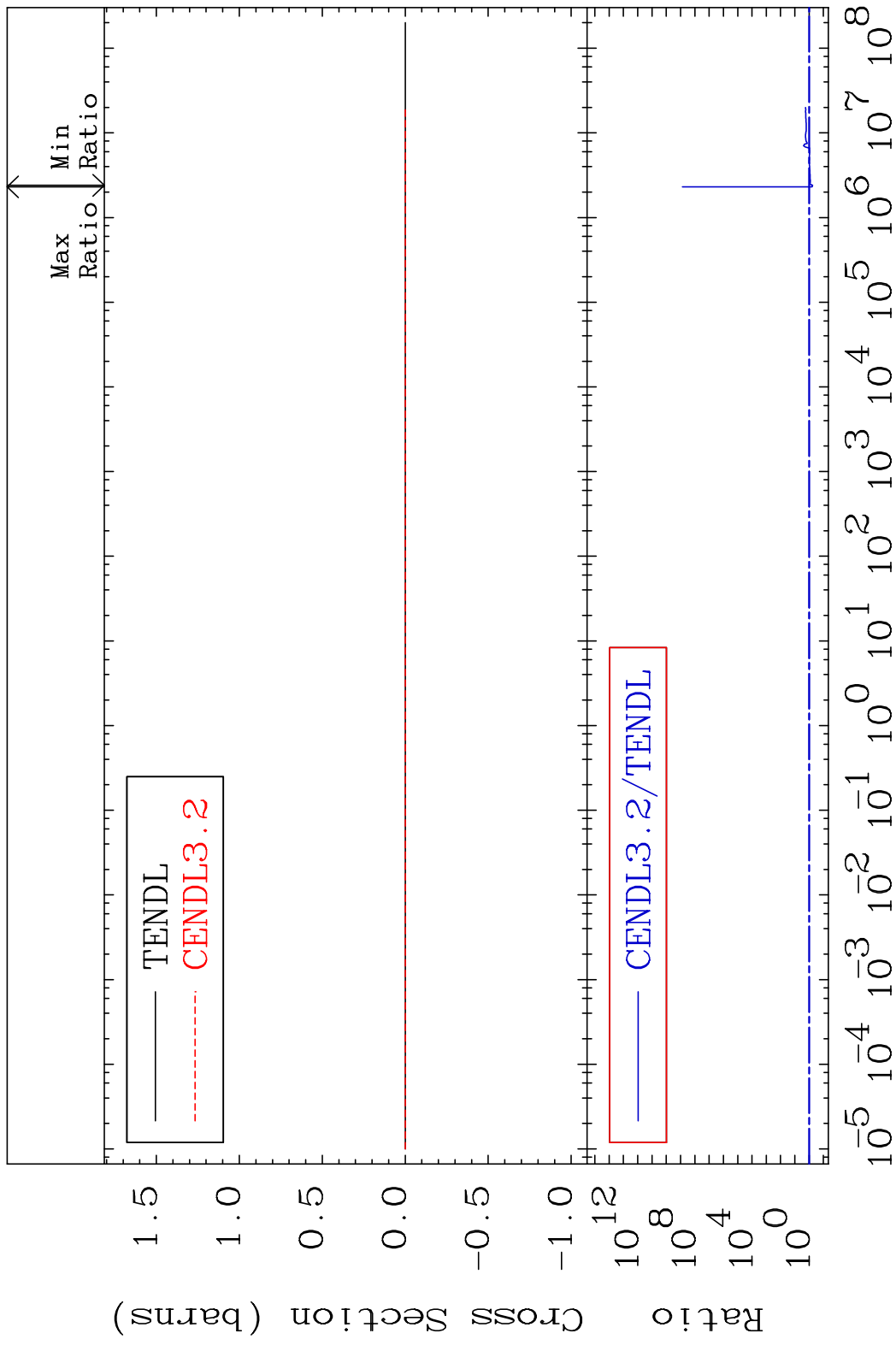
30 Incident Energy (eV) 16-S -32

MAT 1625 Kerma inelastic (mt51-91) 16-S -32  
 Cross Section -42.63 To 9999. %



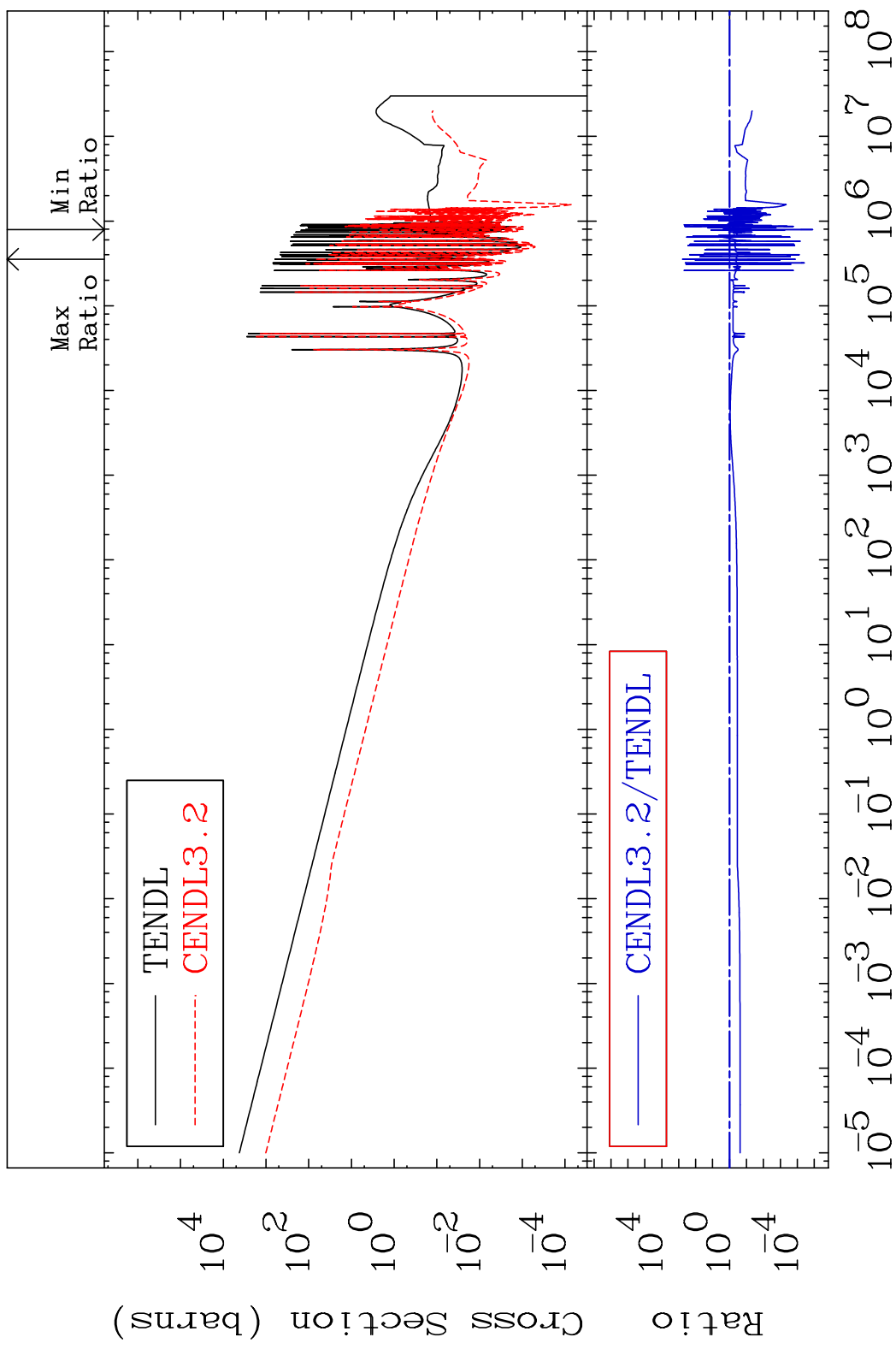


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32  
 Cross Section -42.63 To 9999. %



MAT 1625

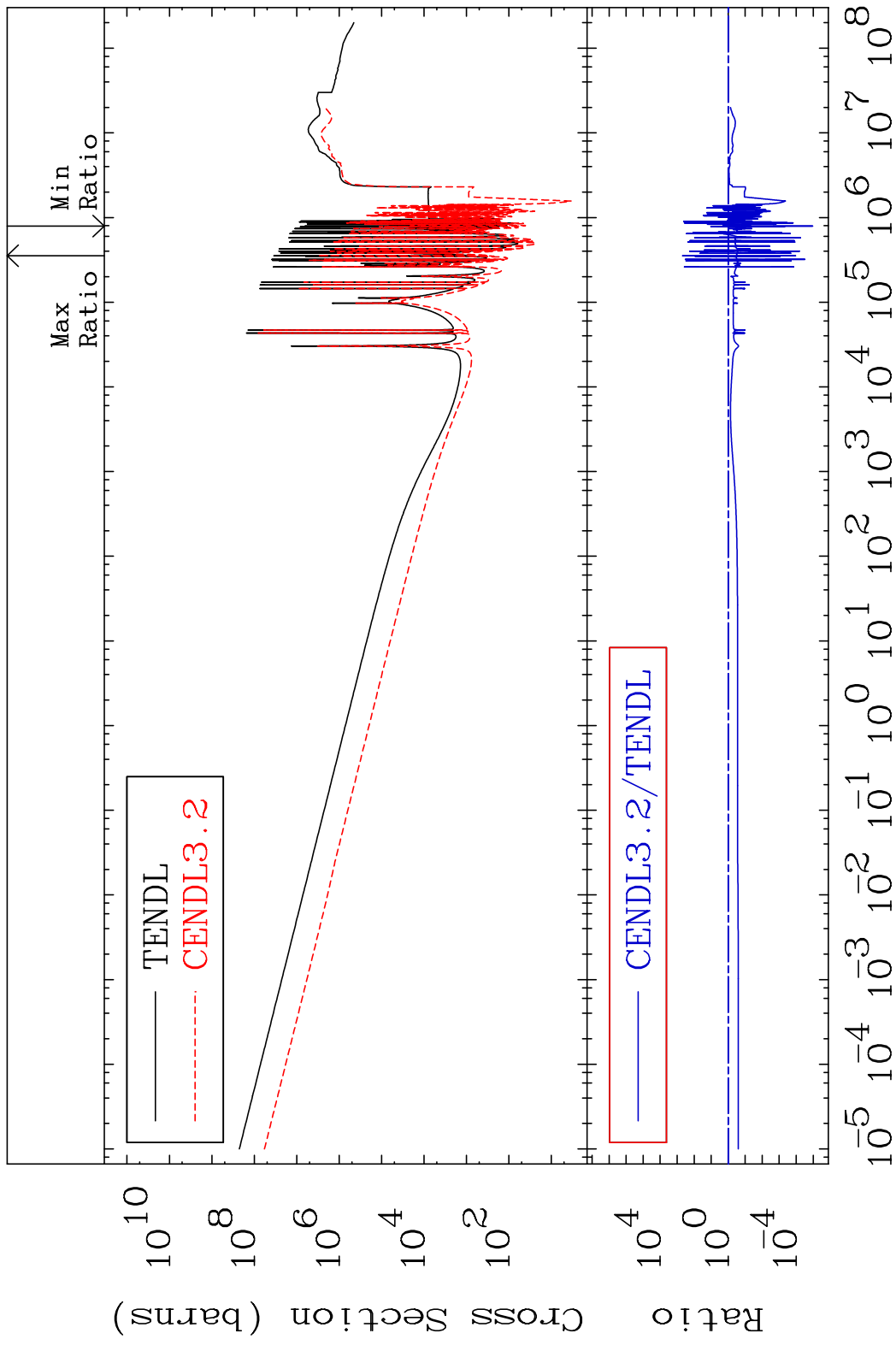
Kerma capture (mt102) 16-S -32  
Cross Section -100.0 To 9999. %



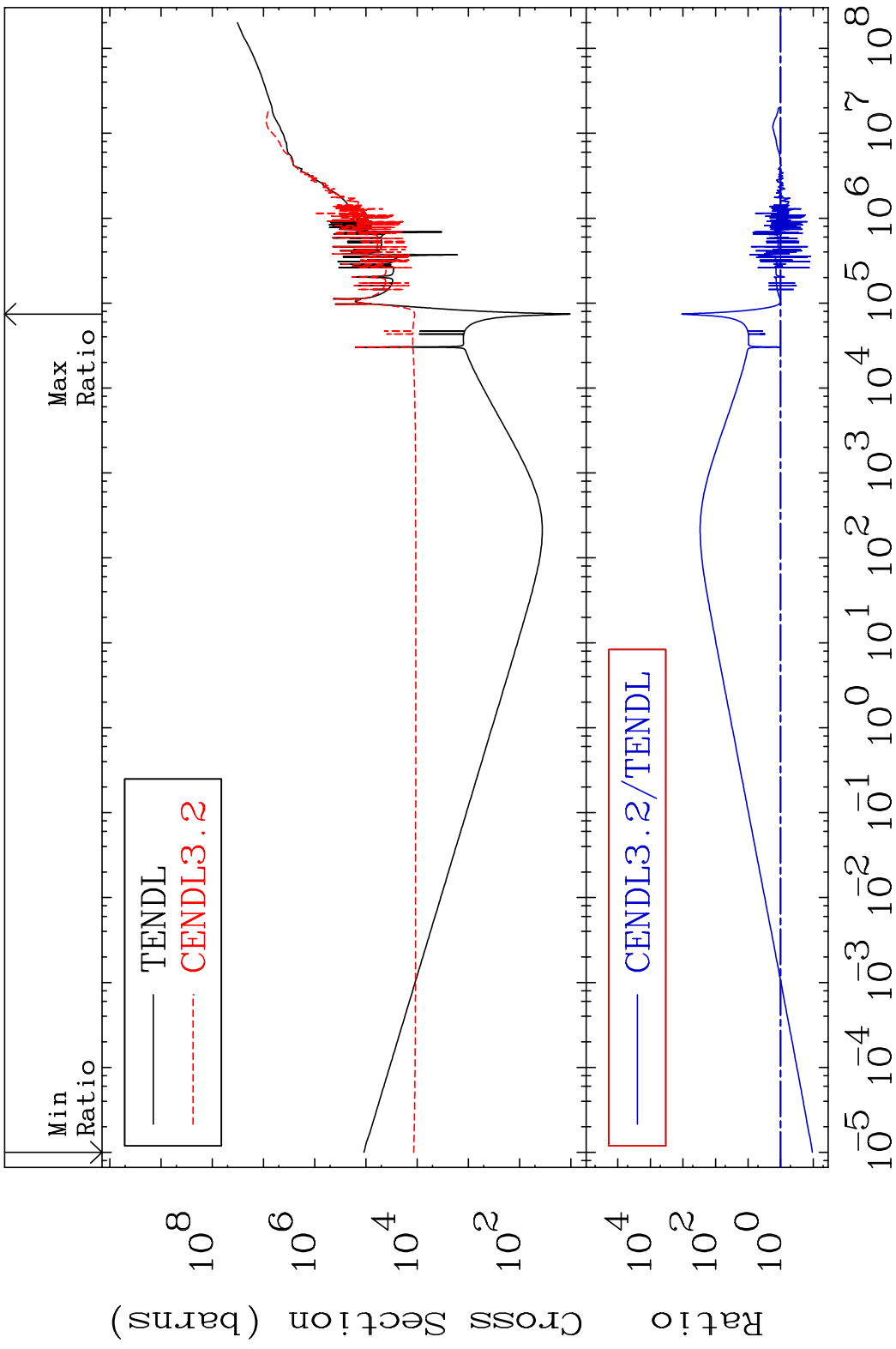
33

Incident Energy (eV) 16-S -32

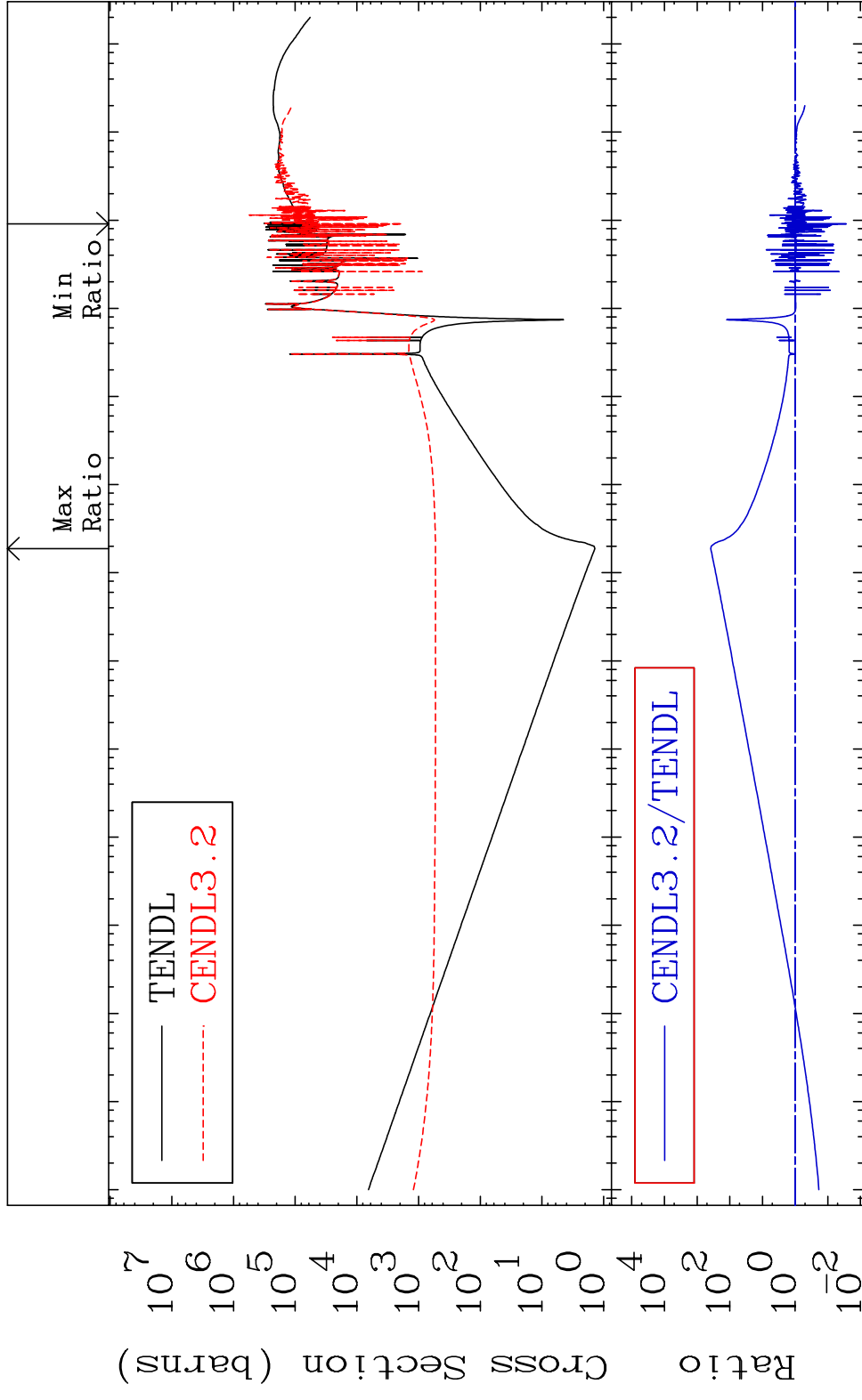
MAT 1625 Total photon (eV-barns) 16-S -32  
 Cross Section -100.0 To 9999. %



MAT 1625 Total kinematic kerma (high limit) 16-S -32  
 Cross Section -89.31 To 9999. %

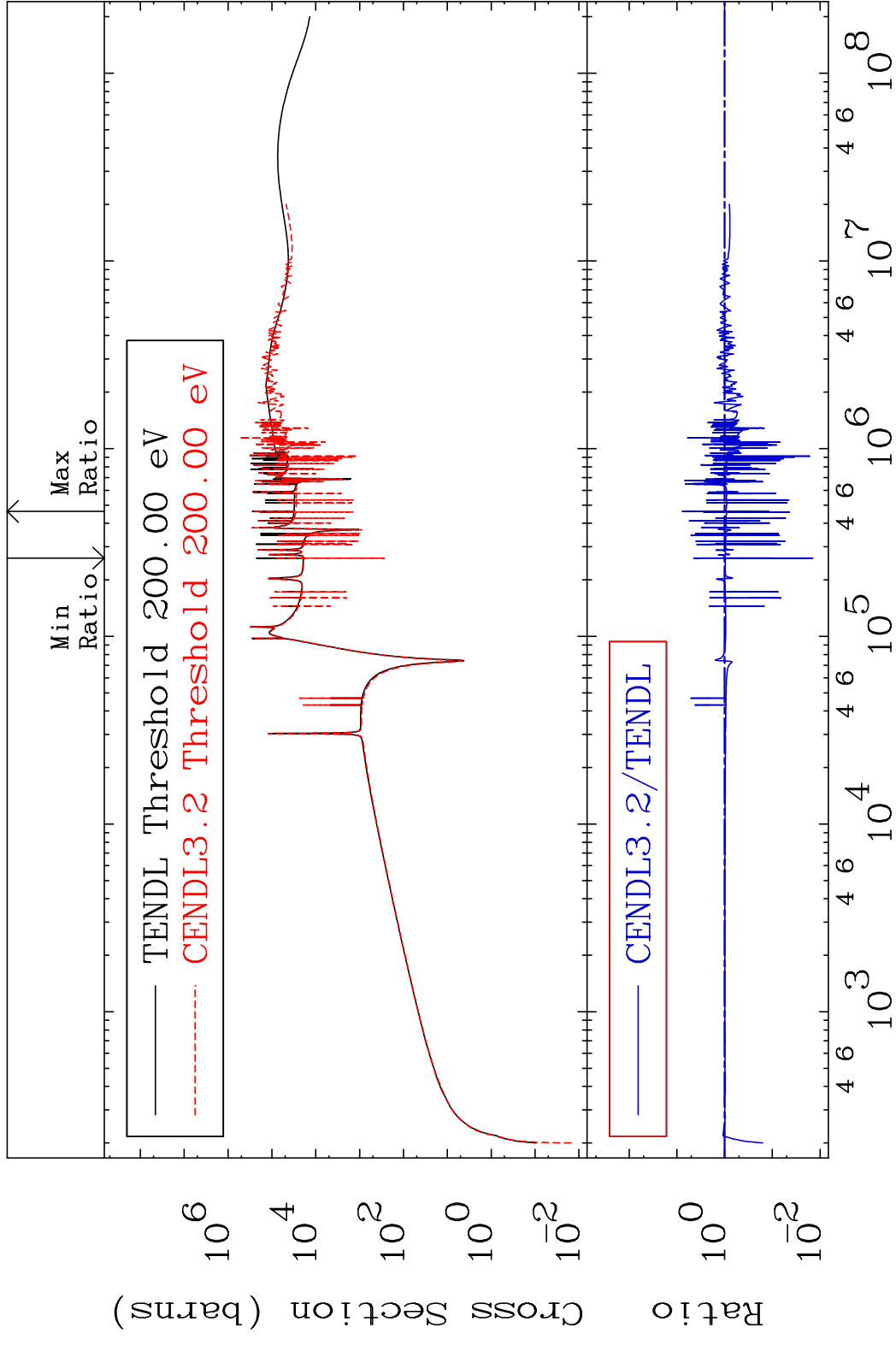


MAT 1625 Dpa total (eV-barns) 16-S -32  
 Cross Section -97.30 To 9999. %

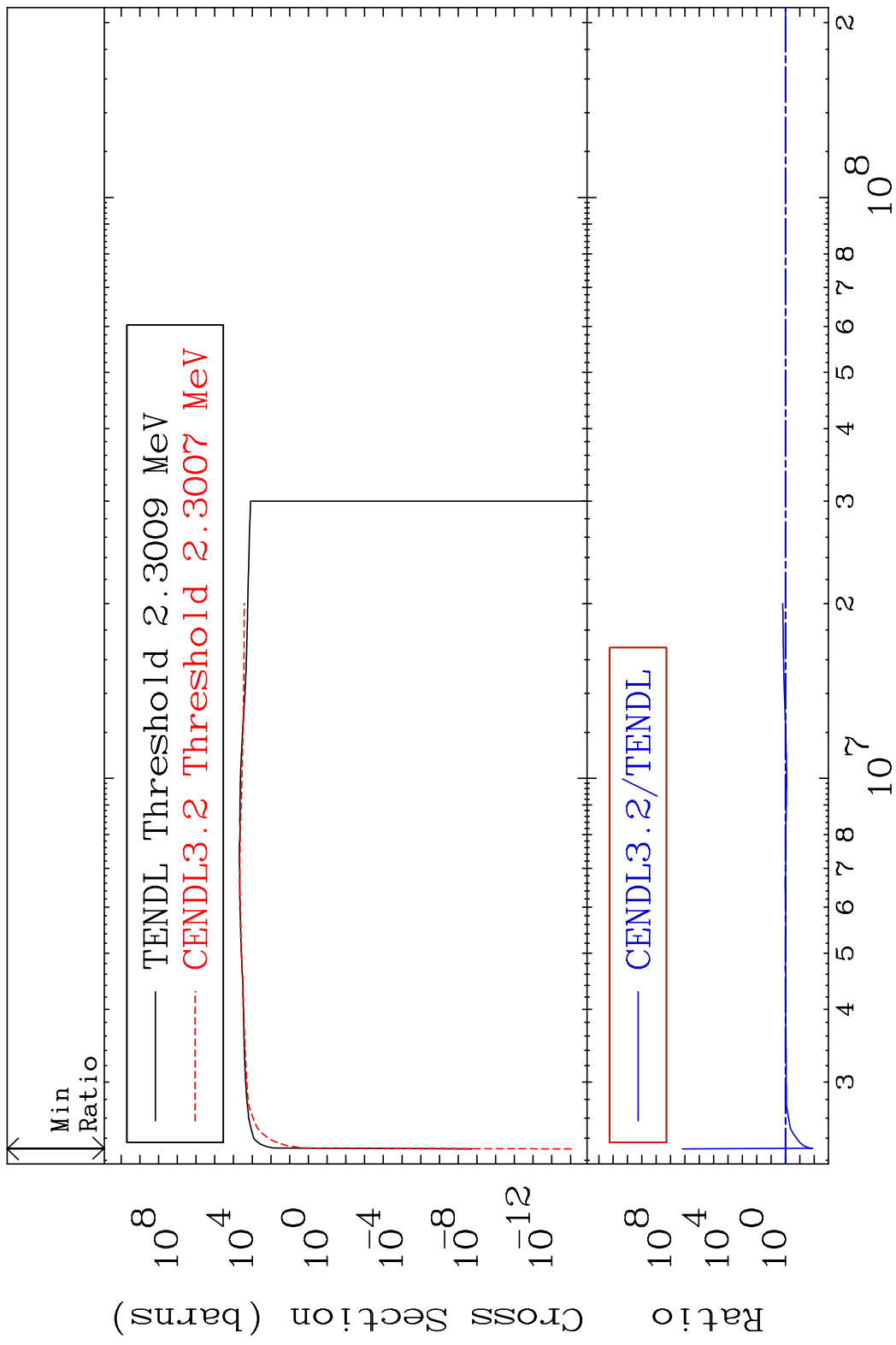


36 Incident Energy (eV) 16-S -32

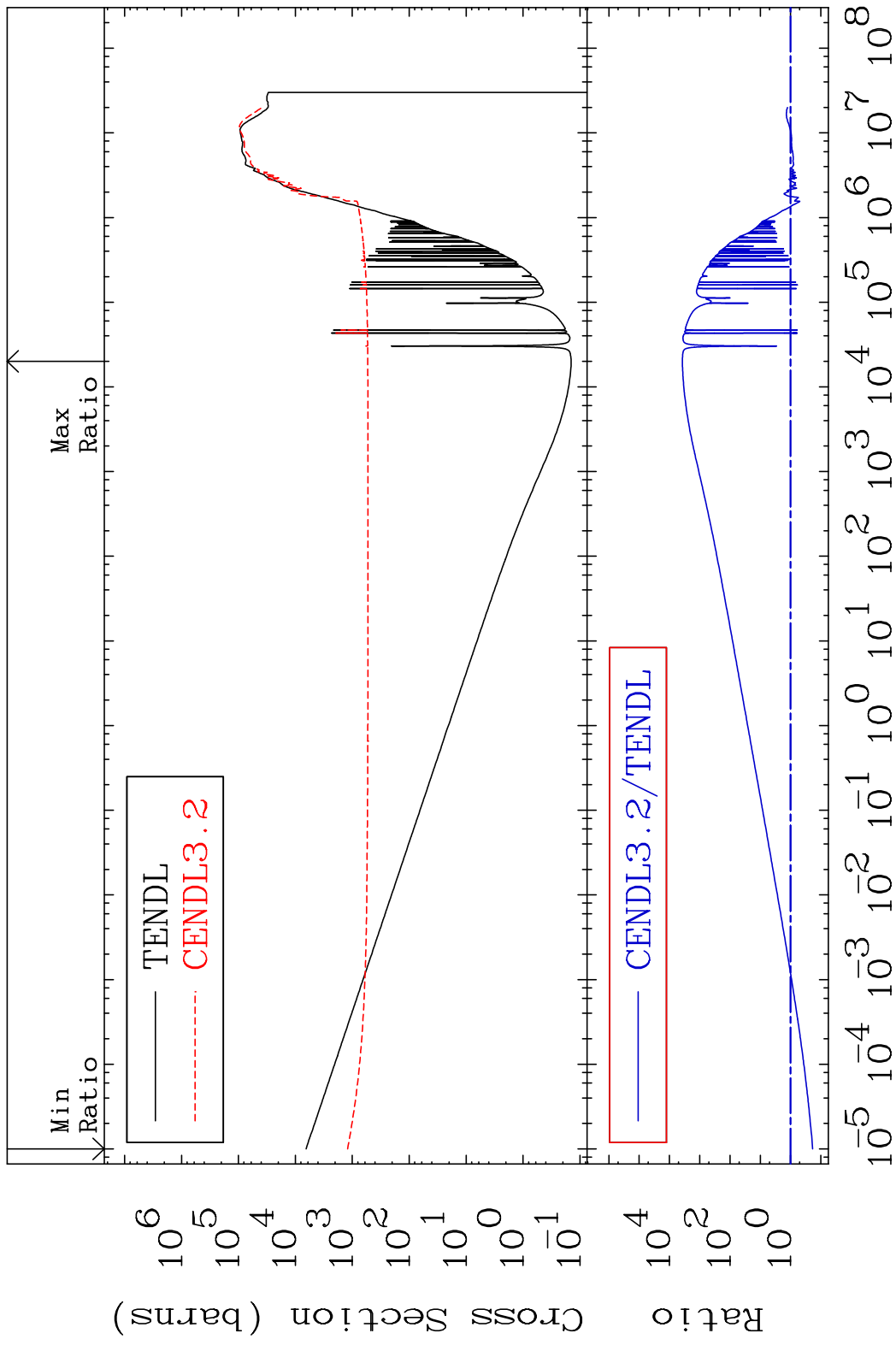
MAT 1625 Dpa elastic (mt2) 16-S -32  
 Cross Section -98.57 To 671.0 %



MAT 1625      Dpa inelastic (mt51-91)      16-S -32  
 Cross Section      -98.71 To 9999. %



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32  
 Cross Section -81.23 To 9999. %



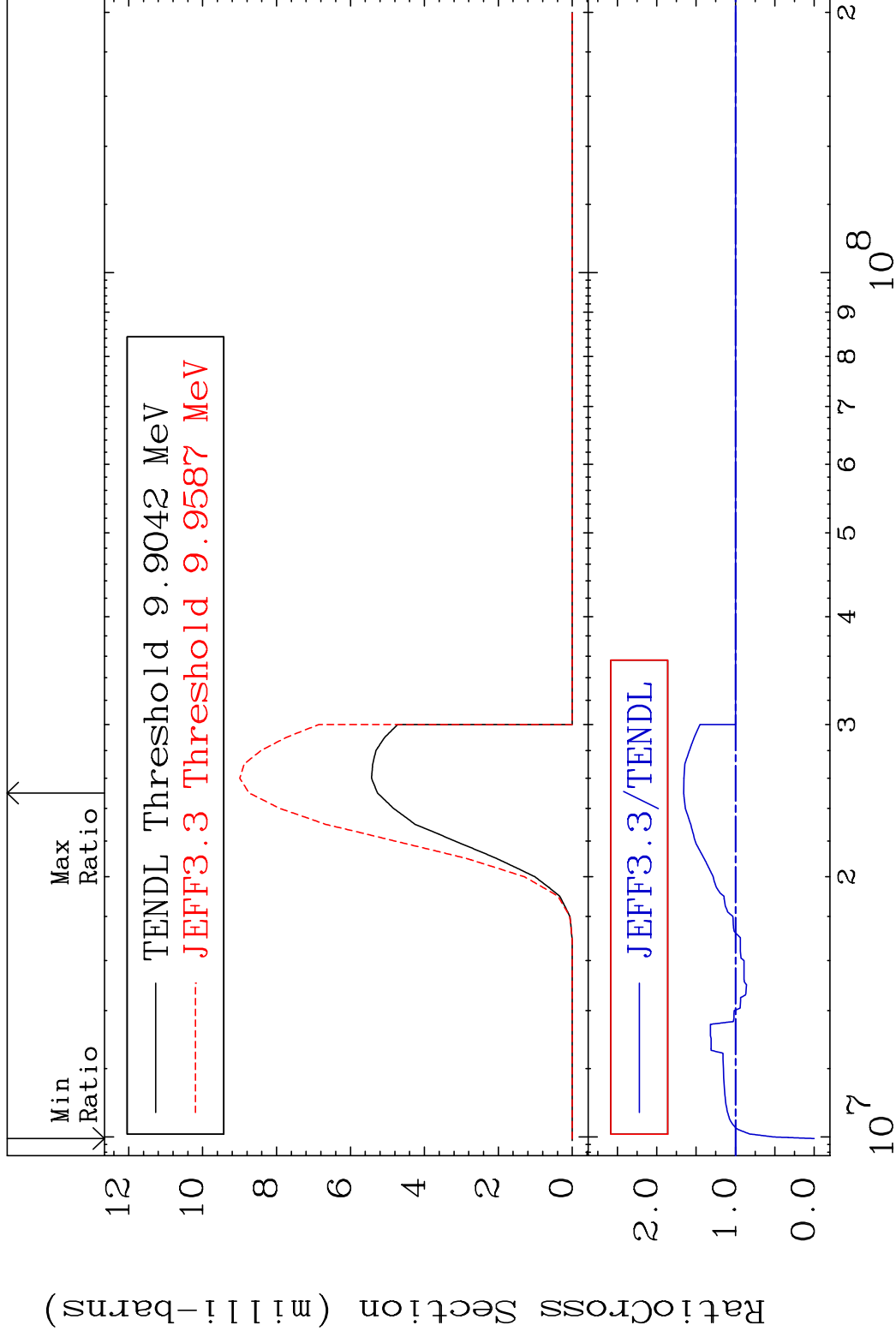


MAT 1625

(n,2α)

16-S -32

Cross Section -100.0 To 65.85 %

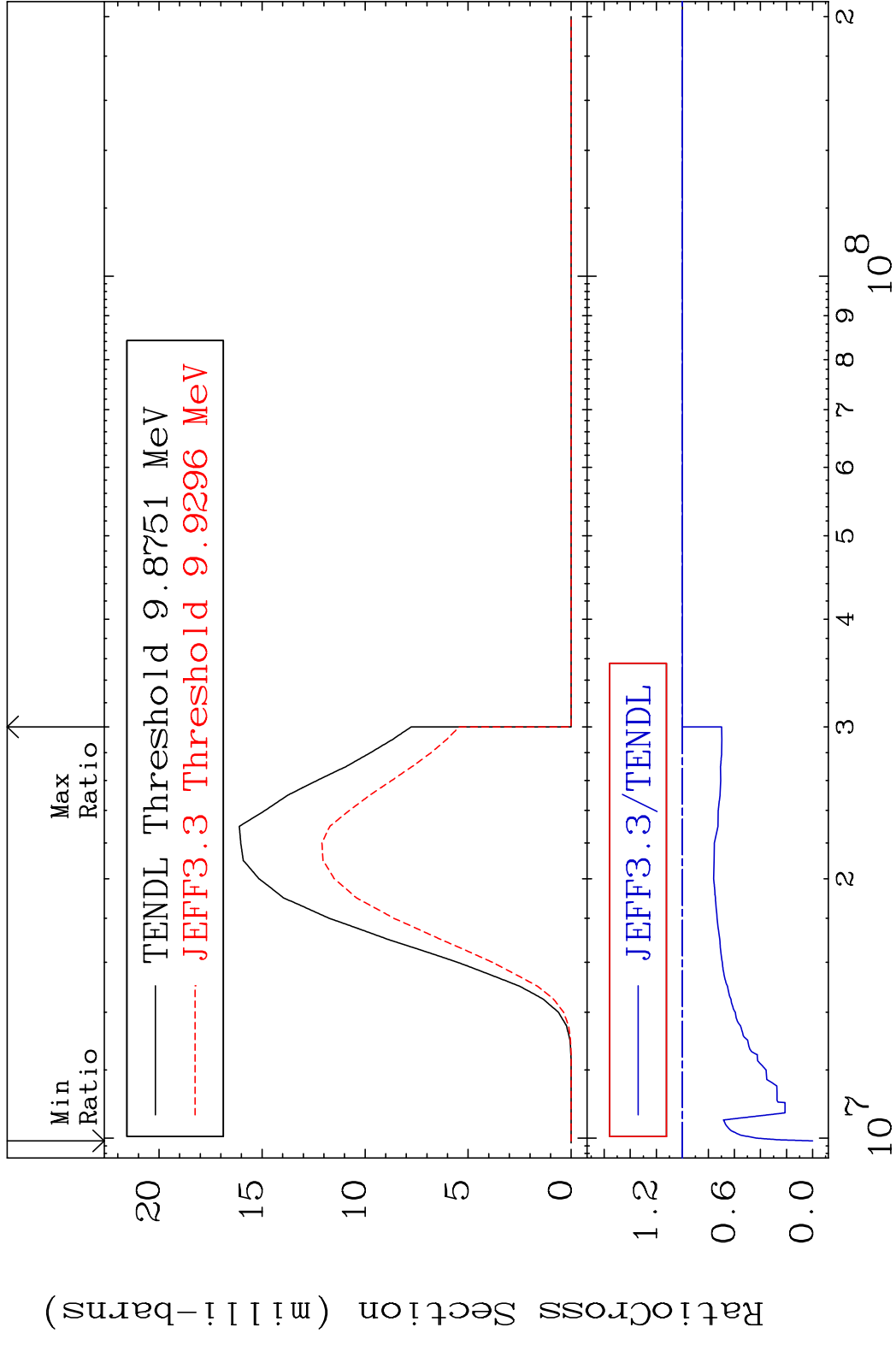


40

Incident Energy (eV)

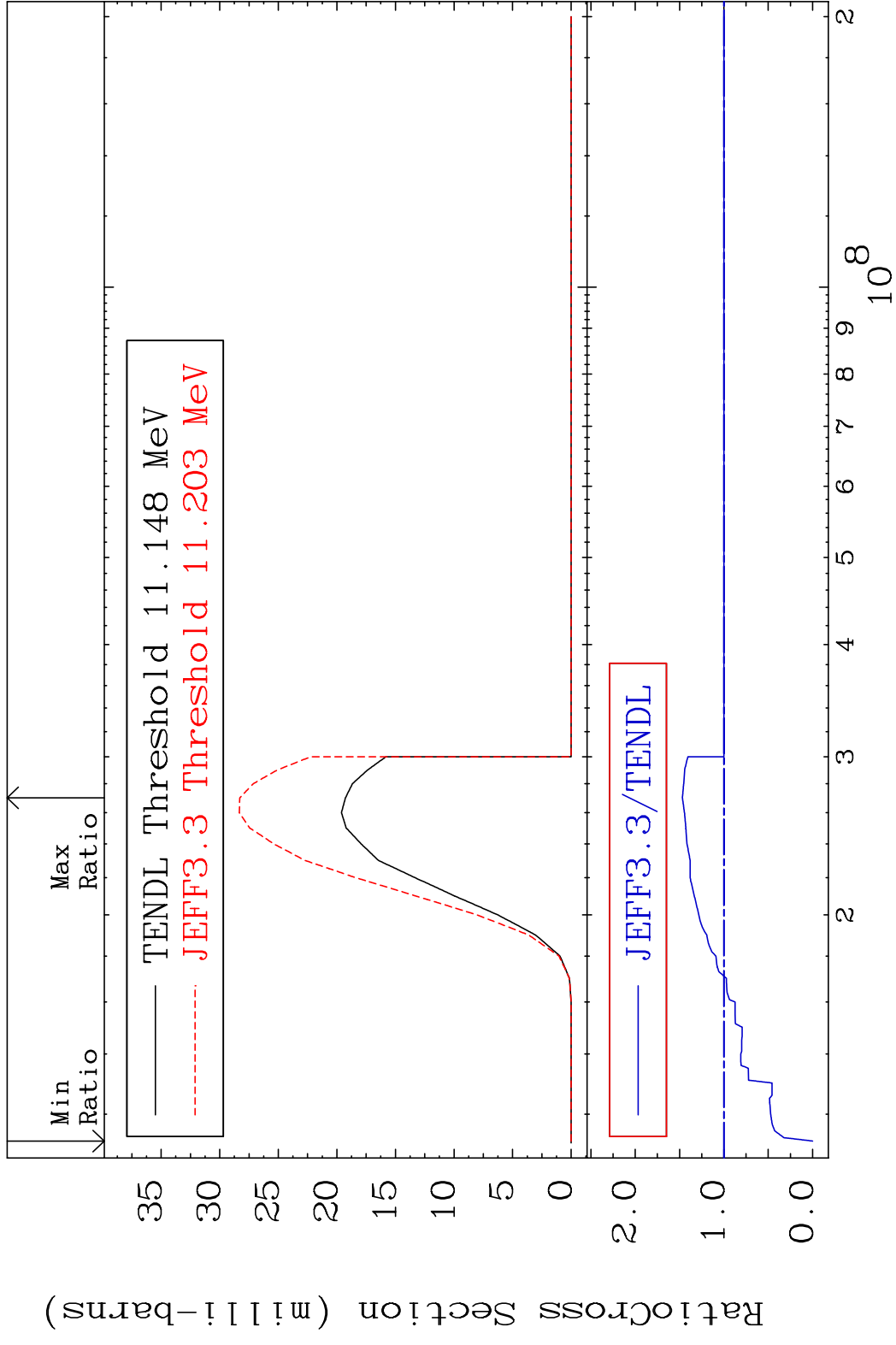
16-S -32

MAT 1625 (n,2p) 16-S -32  
 Cross Section -100.0 To 0.000 %

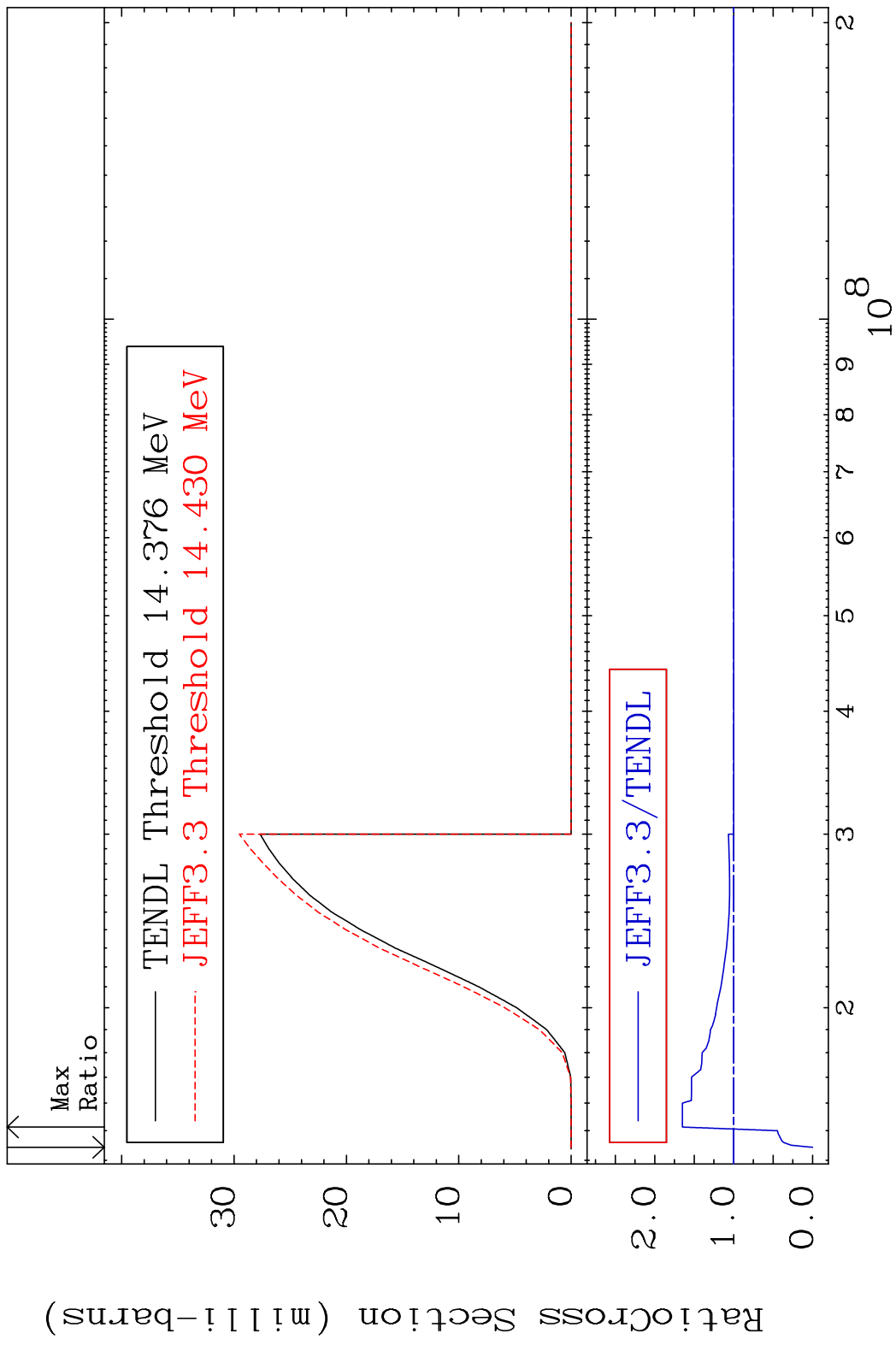


41 Incident Energy (eV) 16-S -32

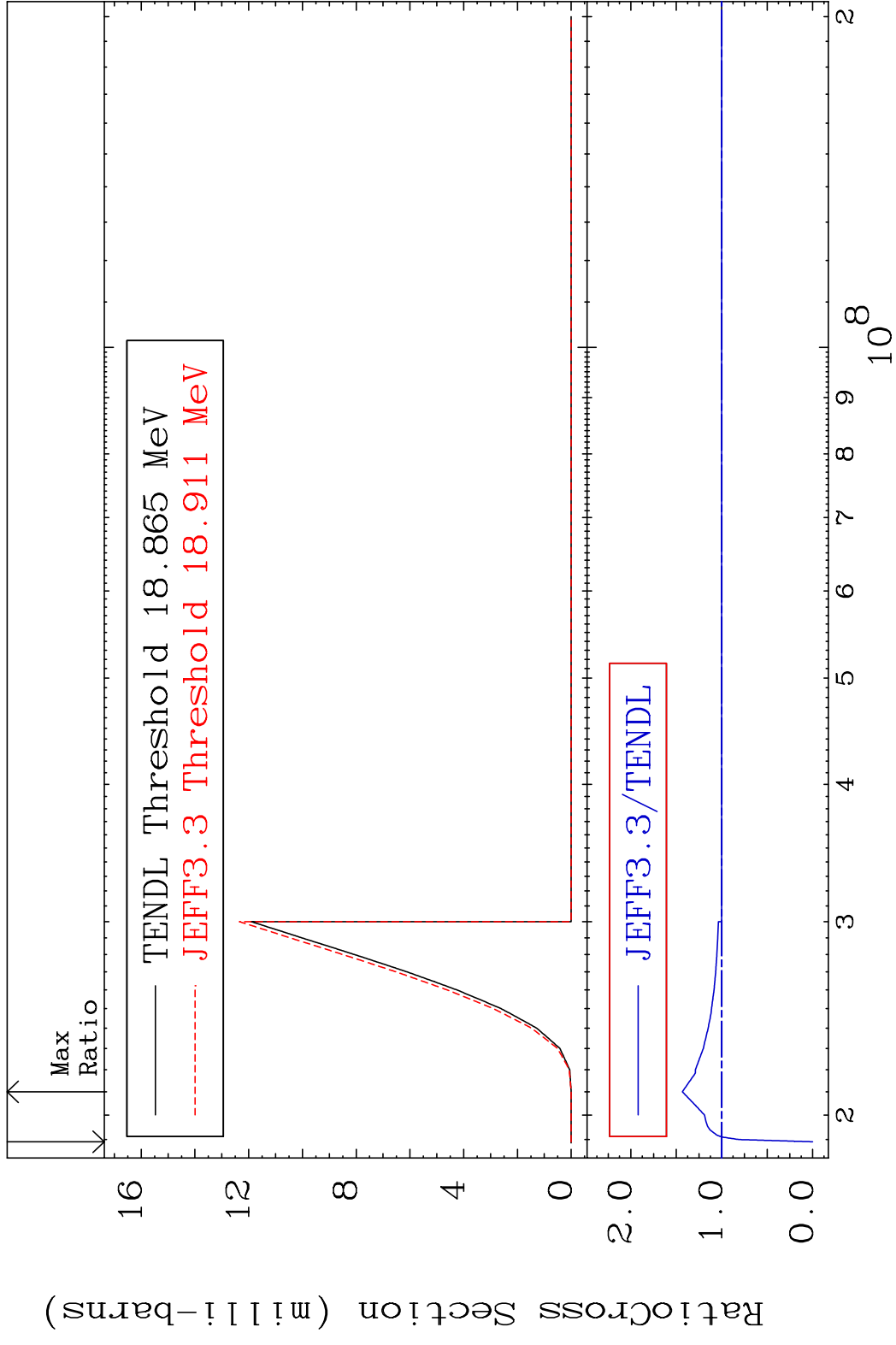
MAT 1625 (n,p)  $\alpha$  16-S -32  
 Cross Section -100.0 To 46.84 %



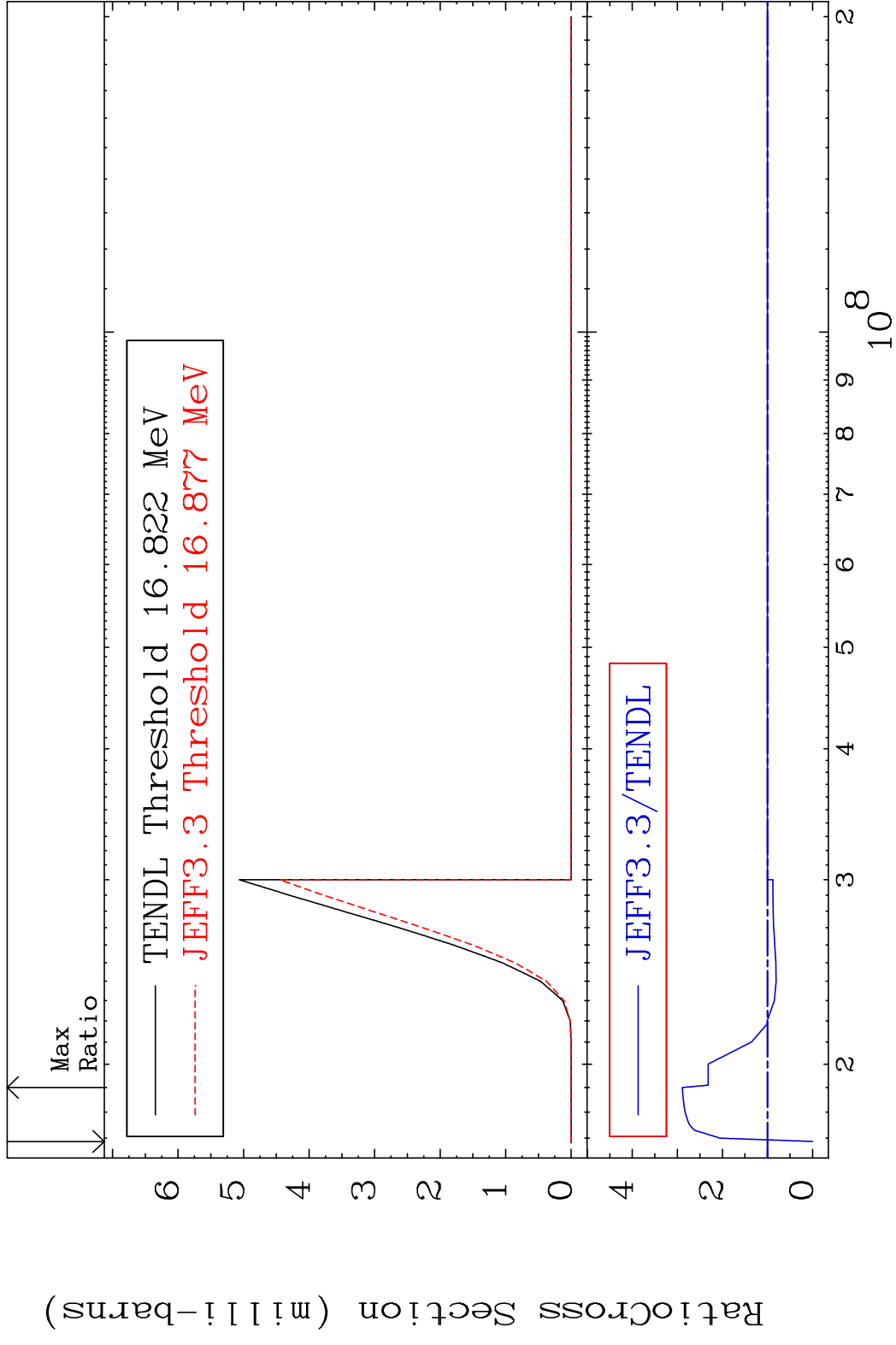
MAT 1625 (n,p) d 16-S -32  
 Cross Section -100.0 To 64.97 %



MAT 1625 (n,p) t 16-S -32  
 Cross Section -100.0 To 43.35 %



MAT 1625 (n,d)  $\alpha$  16-S -32  
 Cross Section -100.0 To 189.0 %

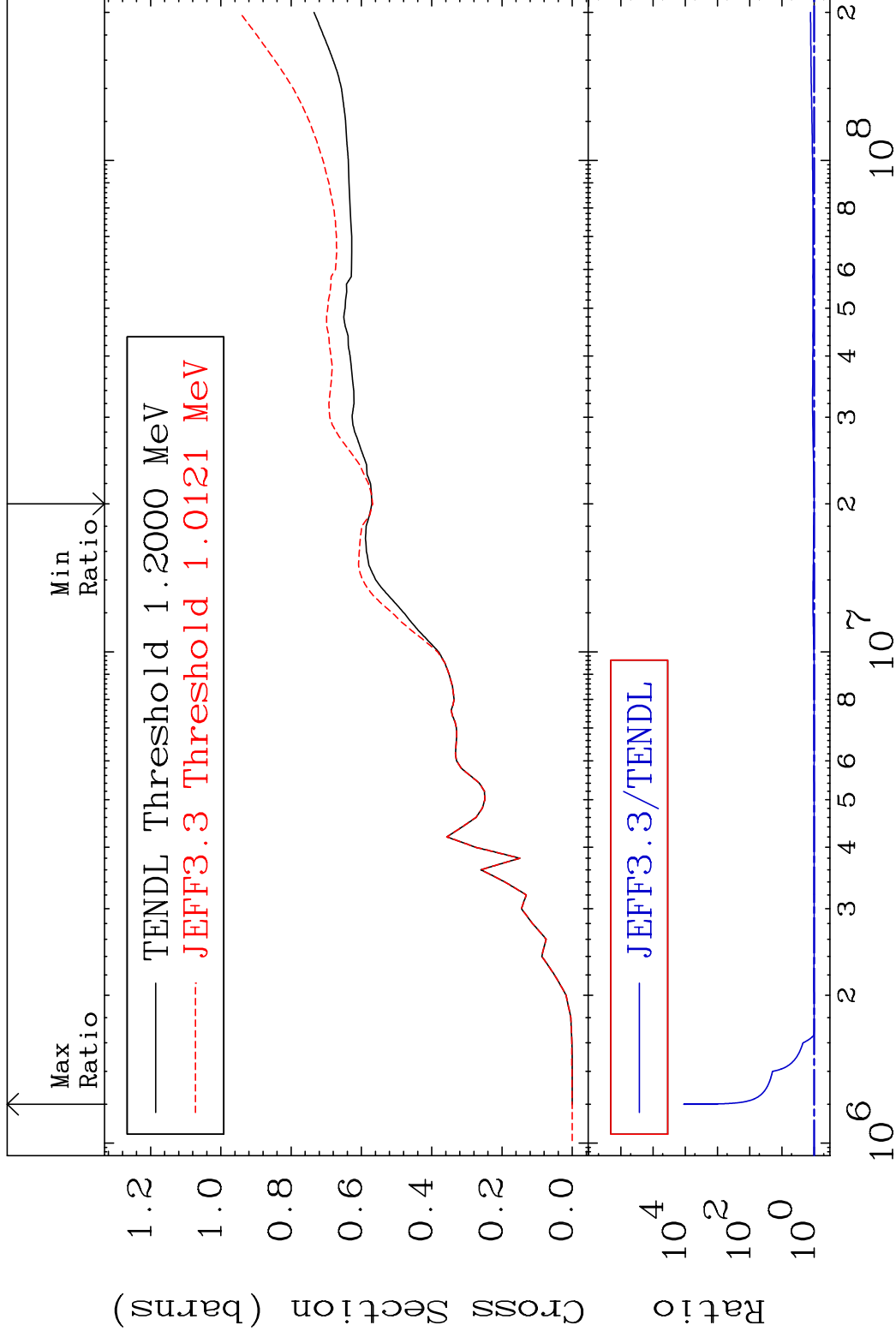


MAT 1625

Hydrogen Production

16-S -32

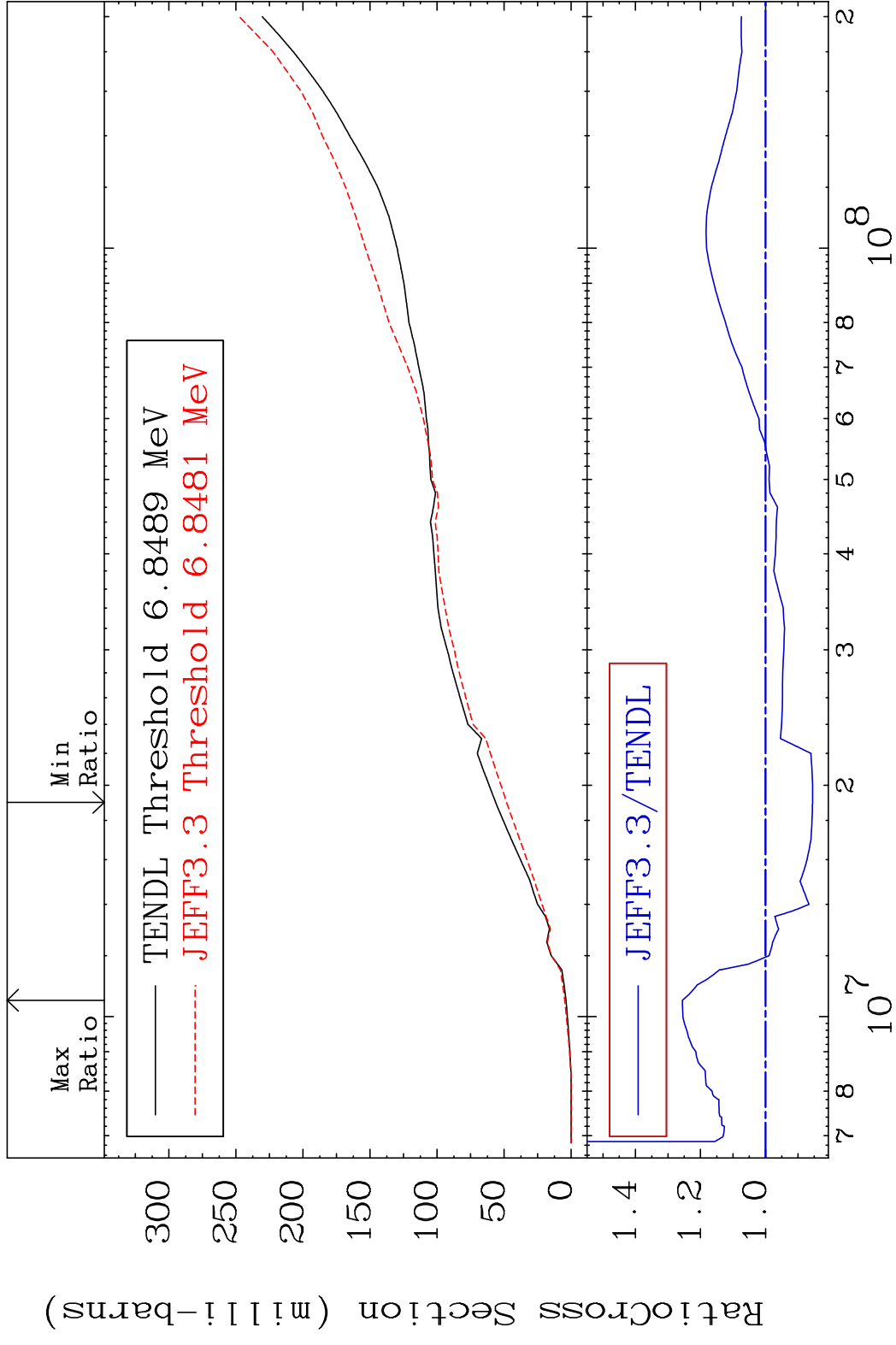
Cross Section -0.421 To 9999. %



46

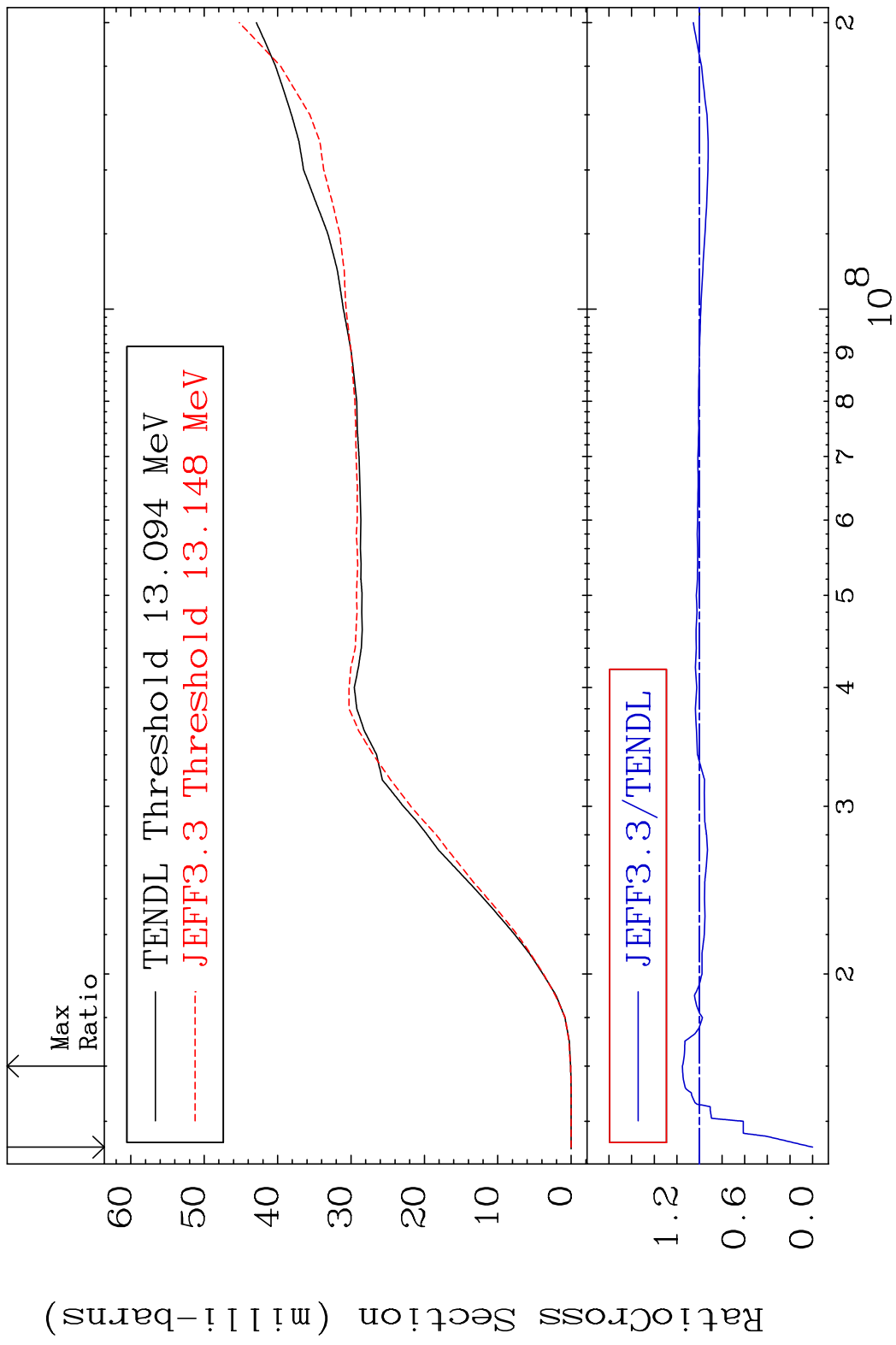
Incident Energy (eV)

16-S -32





MAT 1625 Tritium Production 16-S -32  
 Cross Section -100.0 To 15.15 %

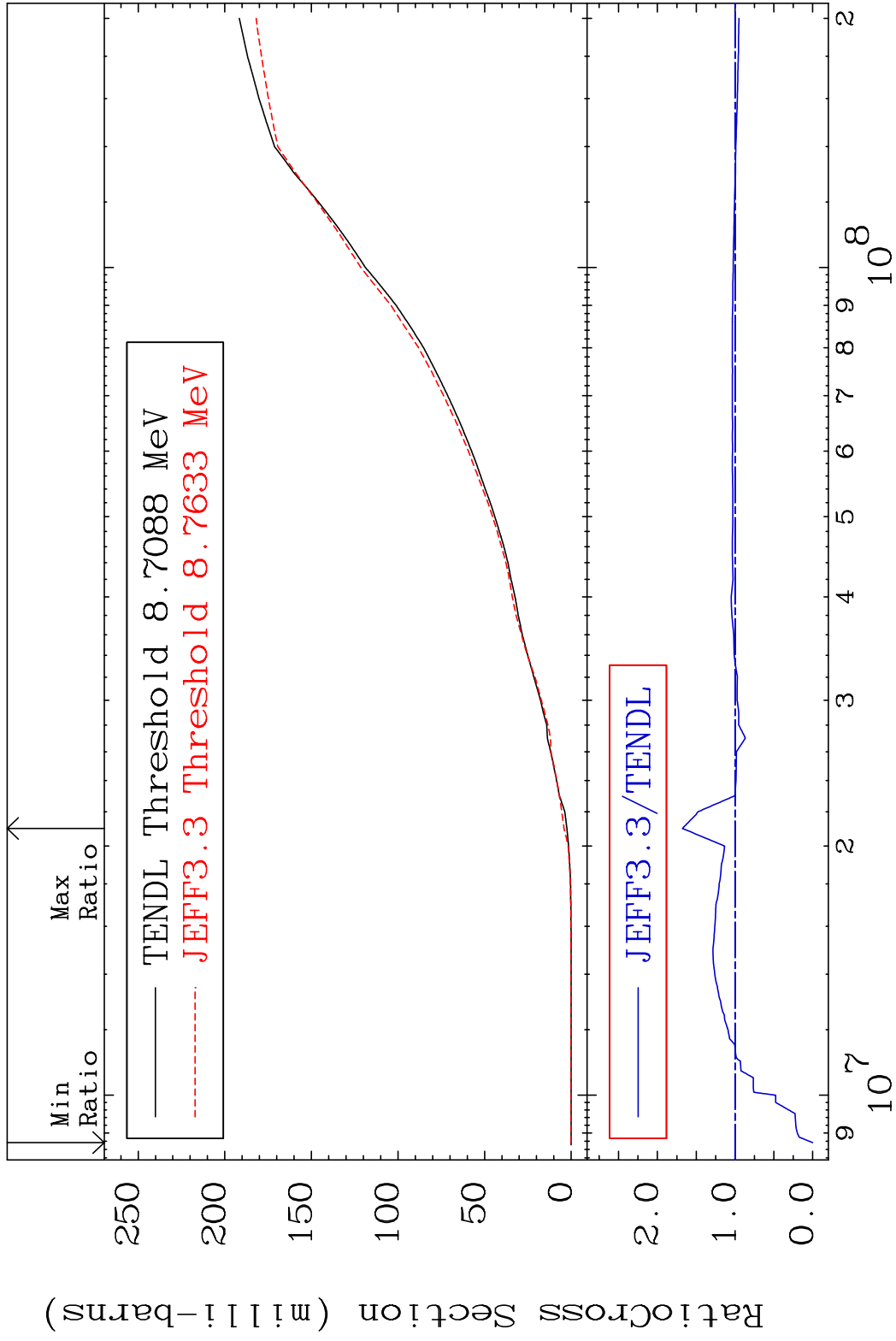


MAT 1625

He-3 Production

16-S -32

Cross Section -100.0 To 67.84 %



49

Incident Energy (eV)

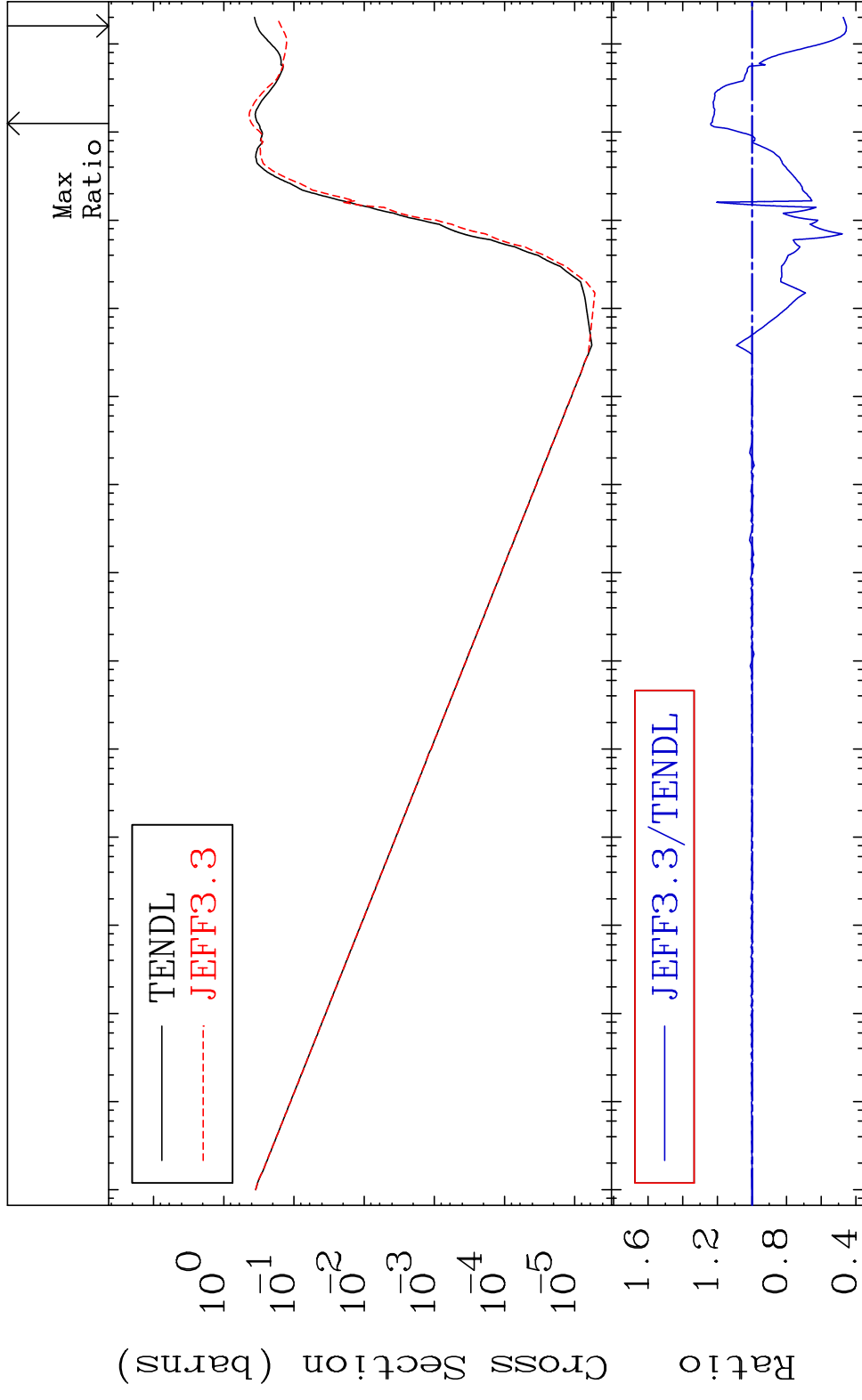
16-S -32

MAT 1625

He-4 Production

16-S -32

Cross Section -54.50 To 23.84 %

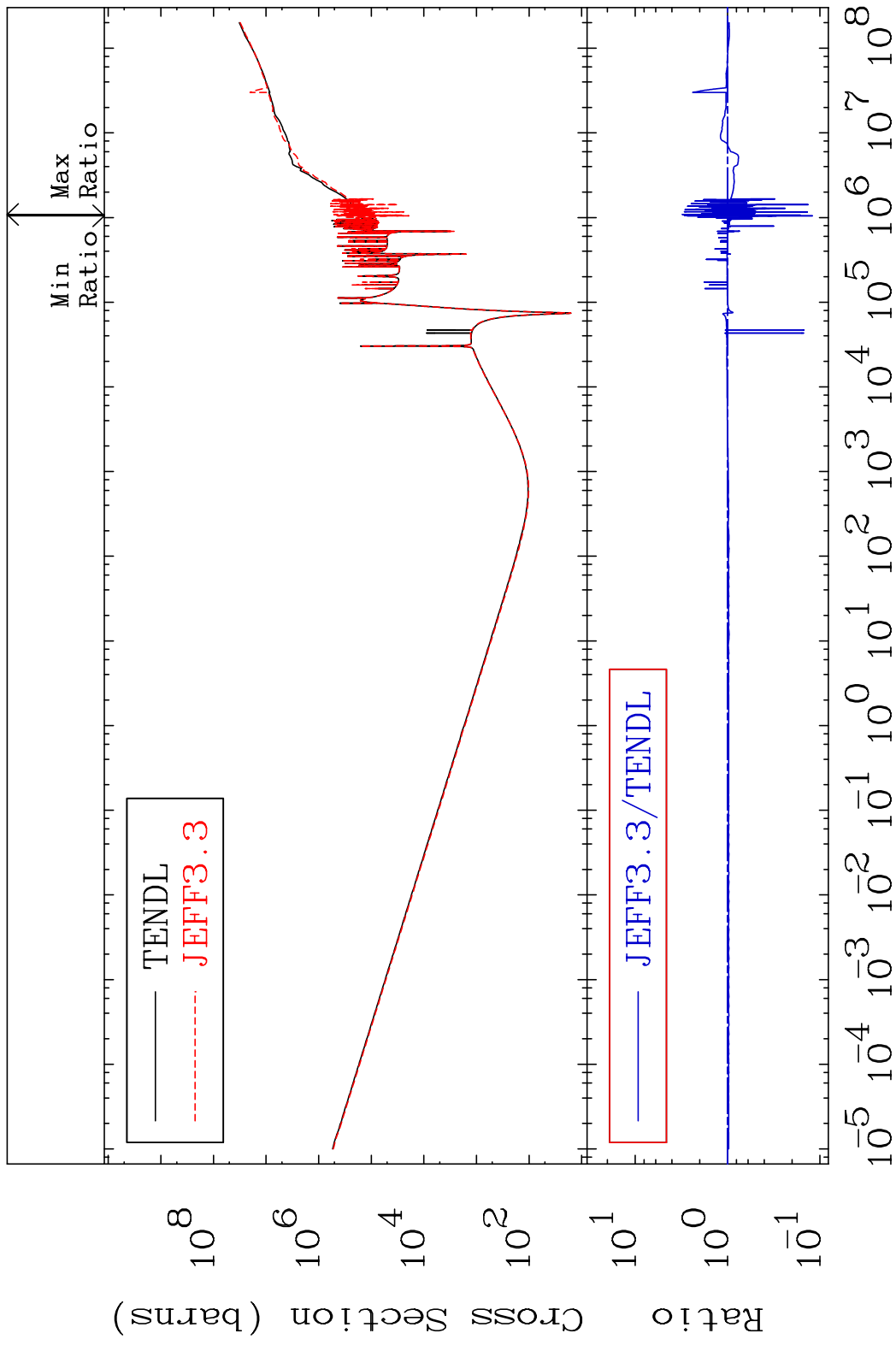


50

Incident Energy (eV)

16-S -32

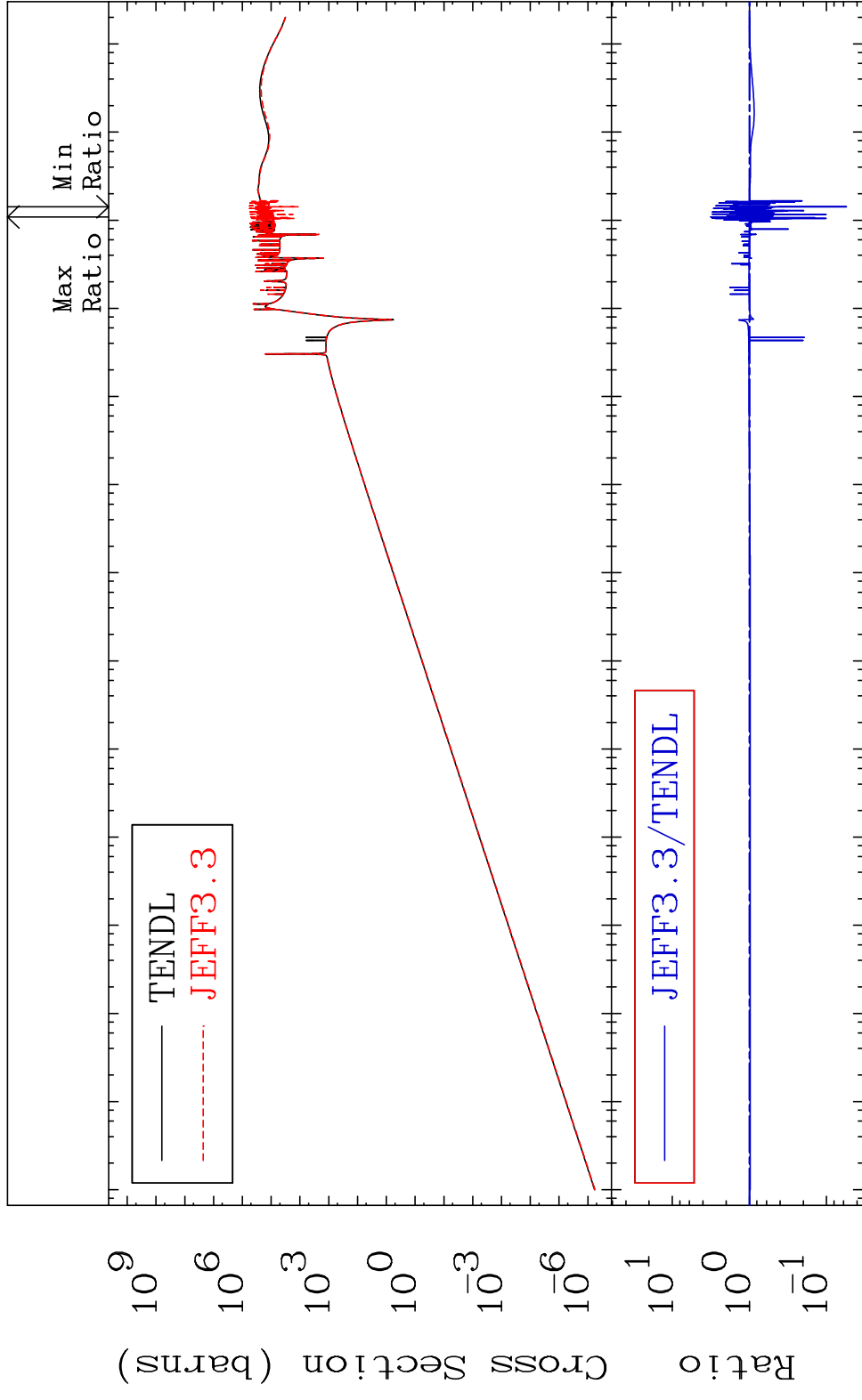
MAT 1625 Kerma total (eV-barns) 16-S -32  
 Cross Section -88.01 To 208.1 %



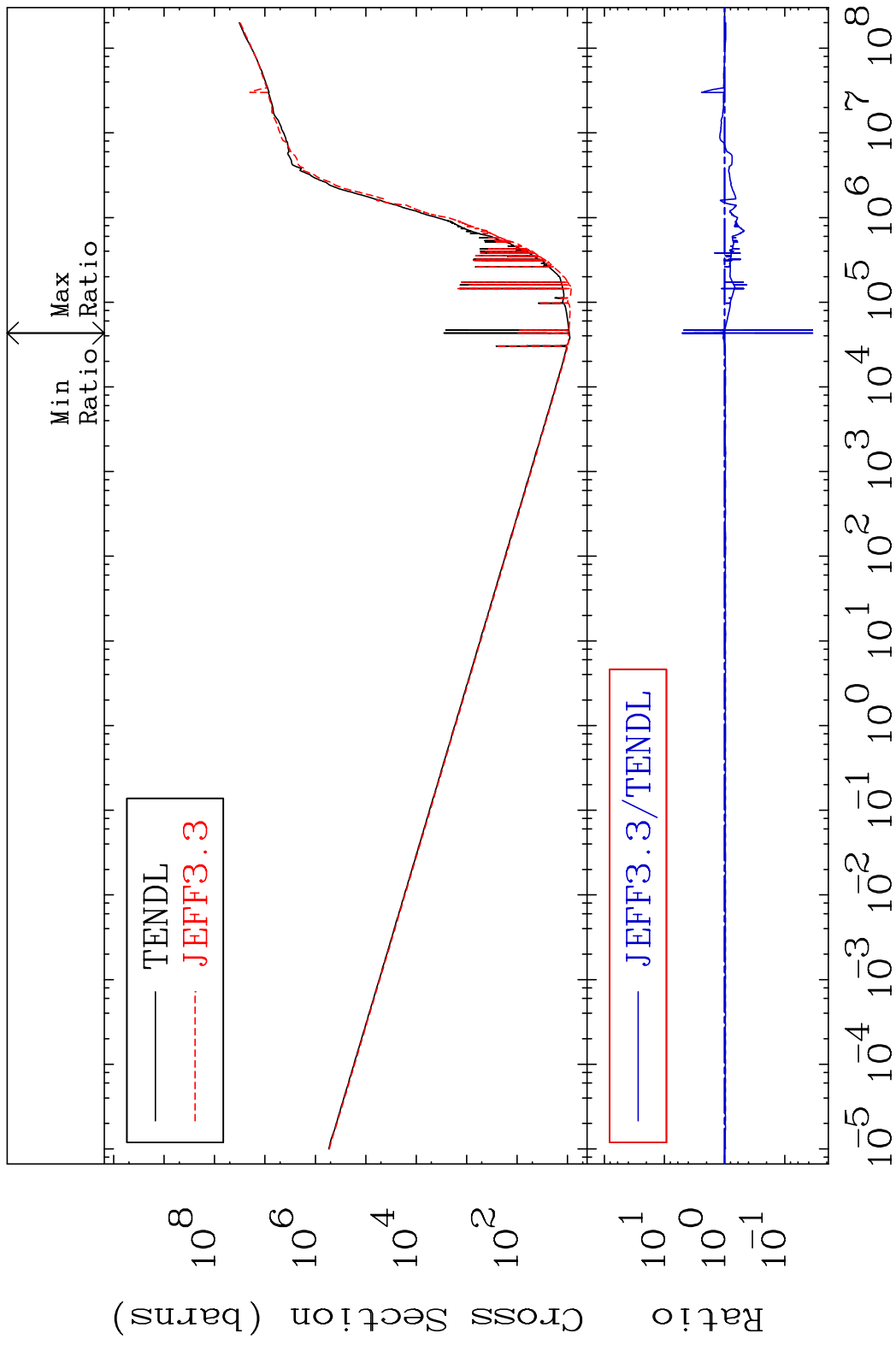
MAT 1625

Kerma elastic  
Cross Section

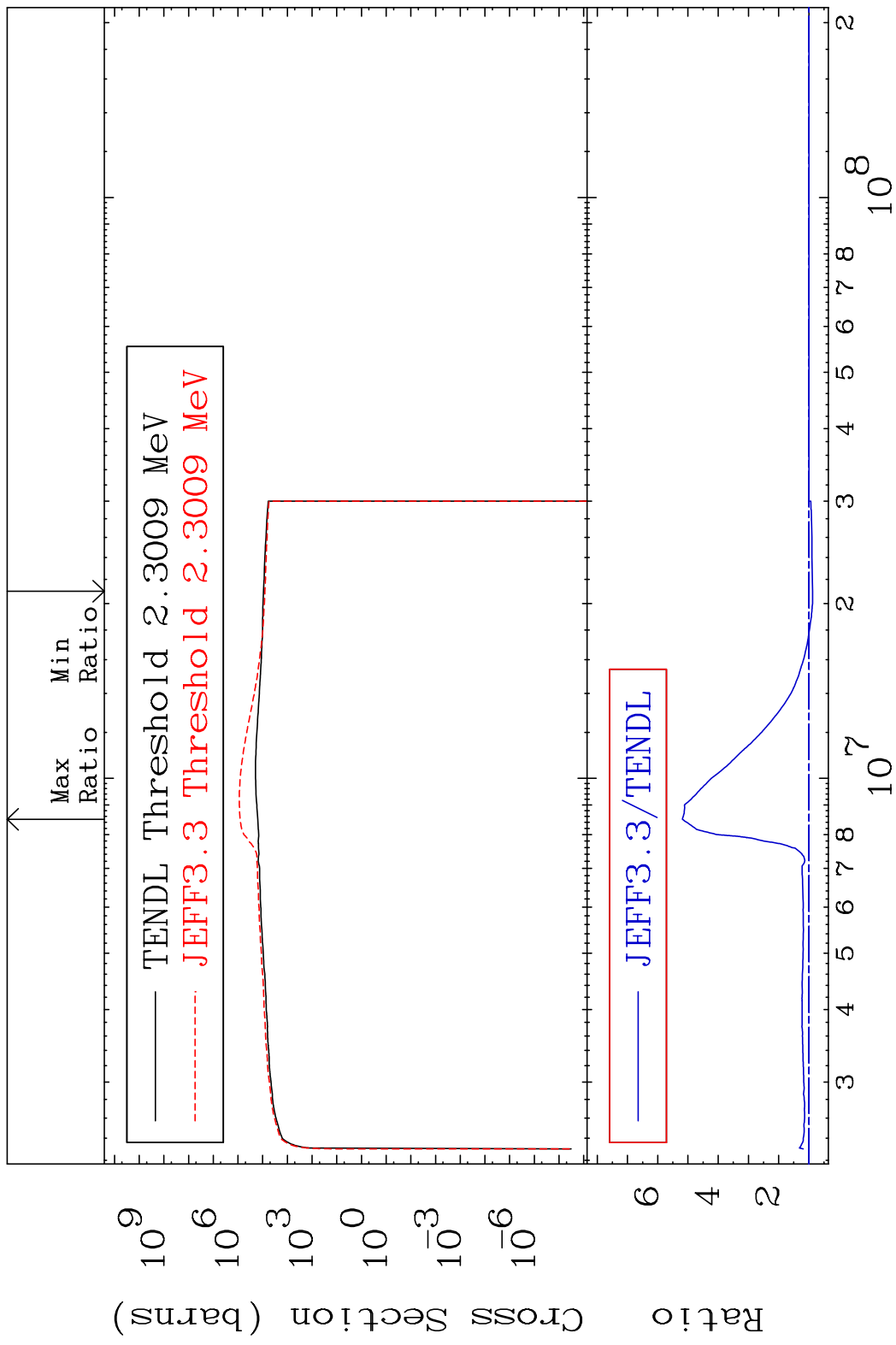
16-S -32  
-94.47 To 217.4 %



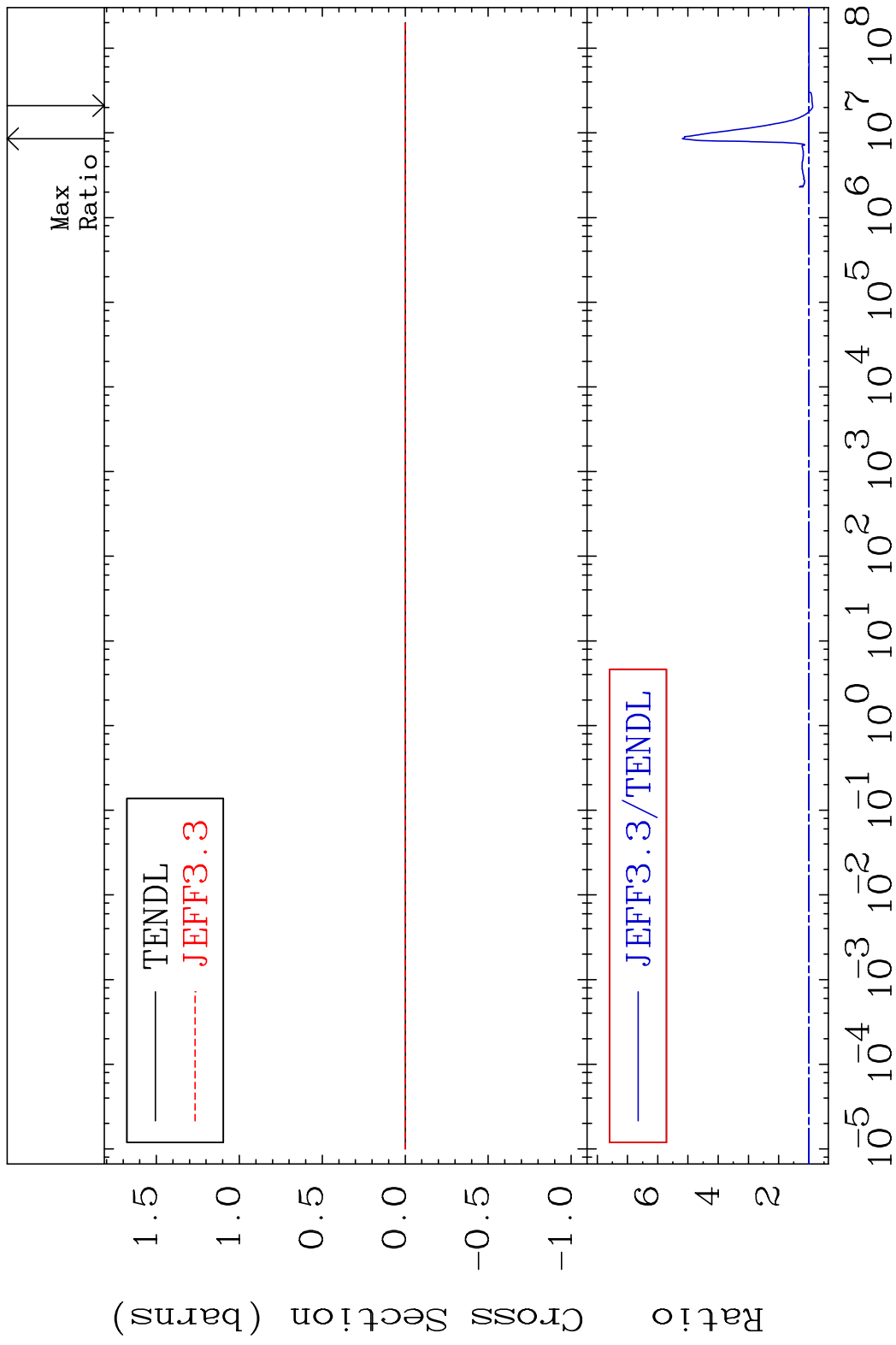
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32  
 Cross Section -96.55 To 404.2 %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32  
 Cross Section -12.25 To 418.6 %



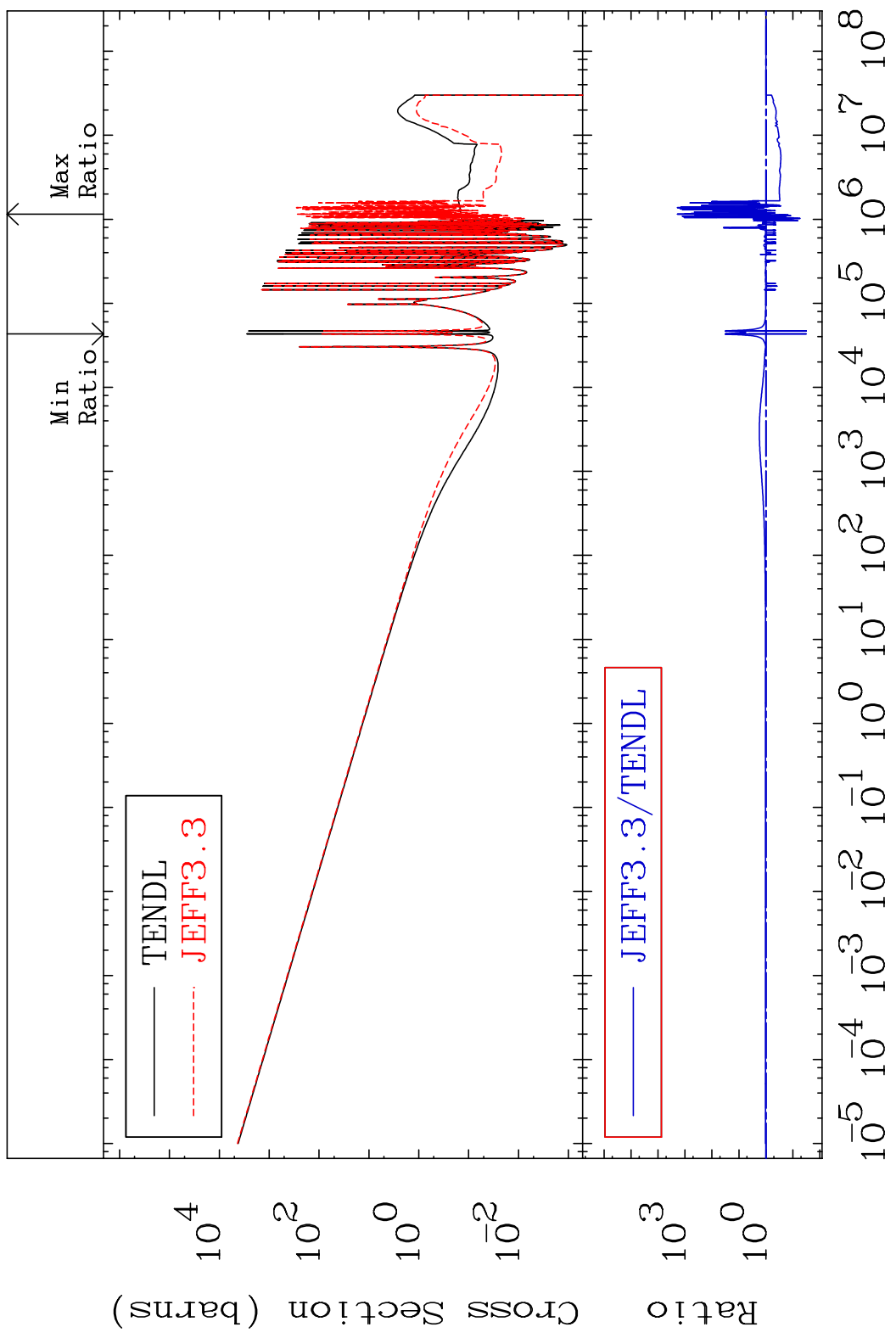
MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32  
 Cross Section -12.25 To 418.6 %





MAT 1625

Kerma capture (mt102) 16-S -32  
Cross Section -96.87 To 9999. %

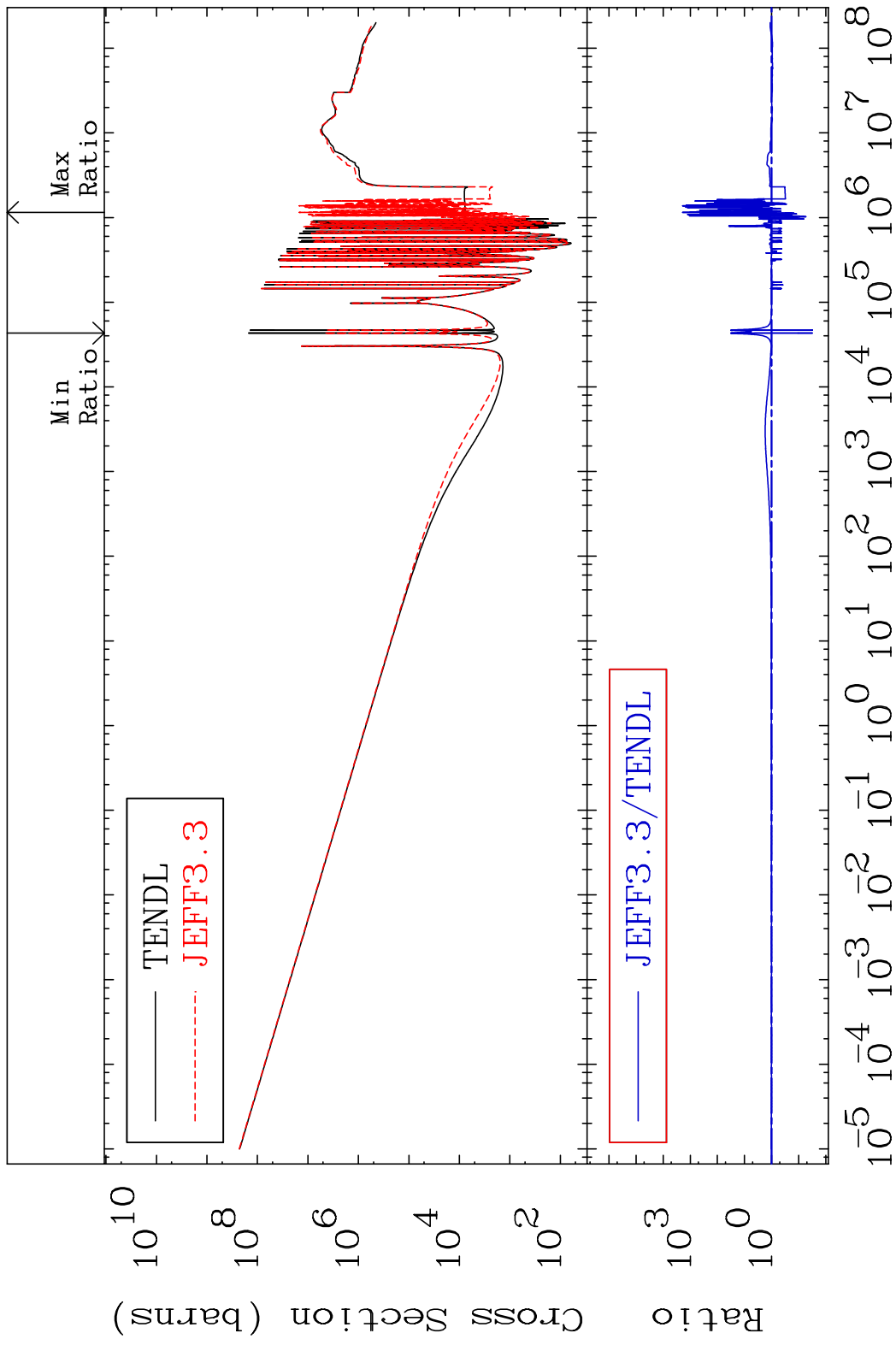


56

Incident Energy (eV)

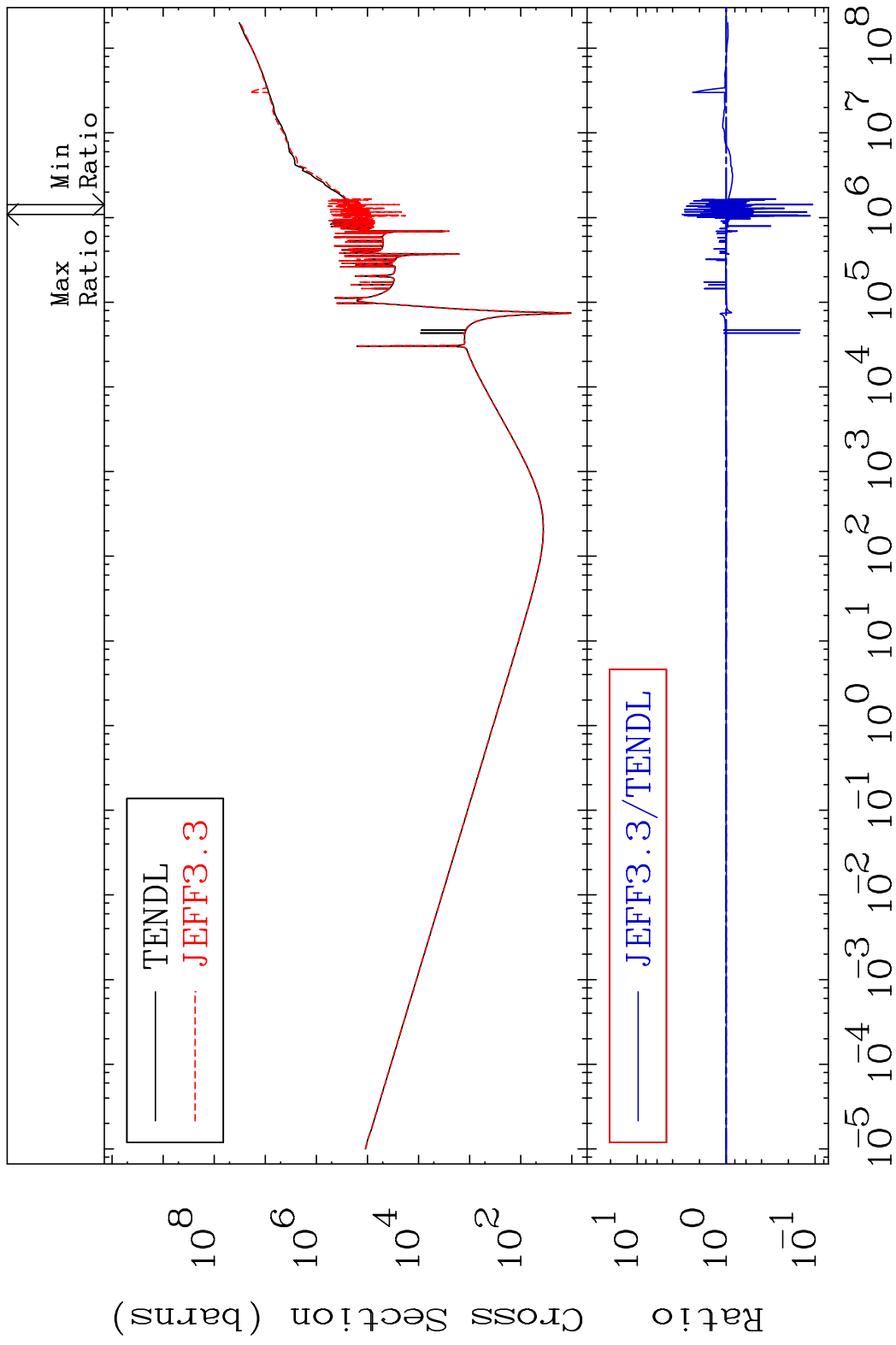
16-S -32

MAT 1625 Total photon (eV-barns) 16-S -32  
 Cross Section -96.91 To 9999. %



57 Incident Energy (eV) 16-S -32

MAT 1625 Total kinematic kerma (high limit) 16-S -32  
 Cross Section -89.32 To 211.2 %

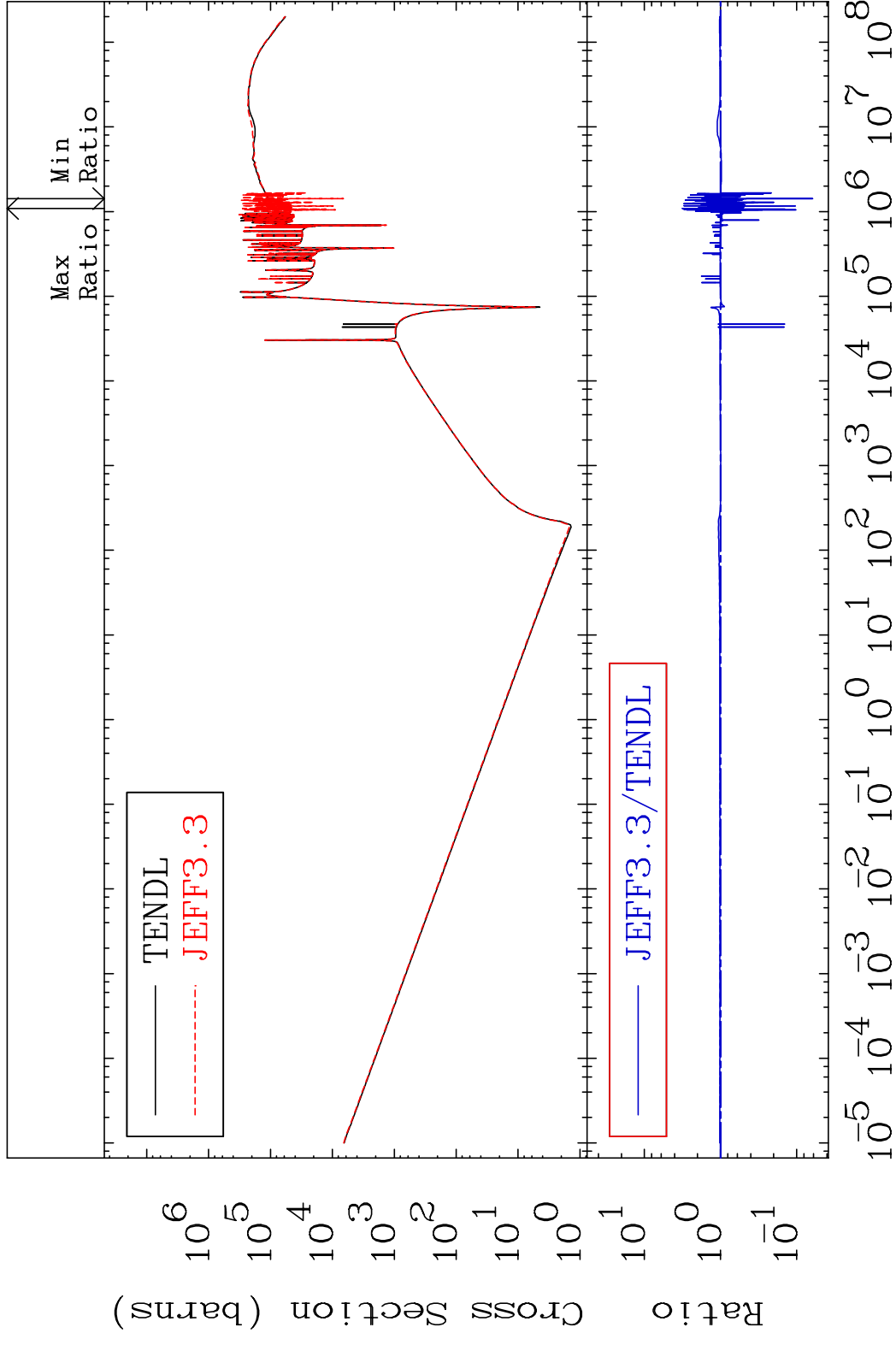


MAT 1625

Dpa total (eV-barns)

16-S -32

Cross Section -93.82 To 216.7 %



59

Incident Energy (eV)

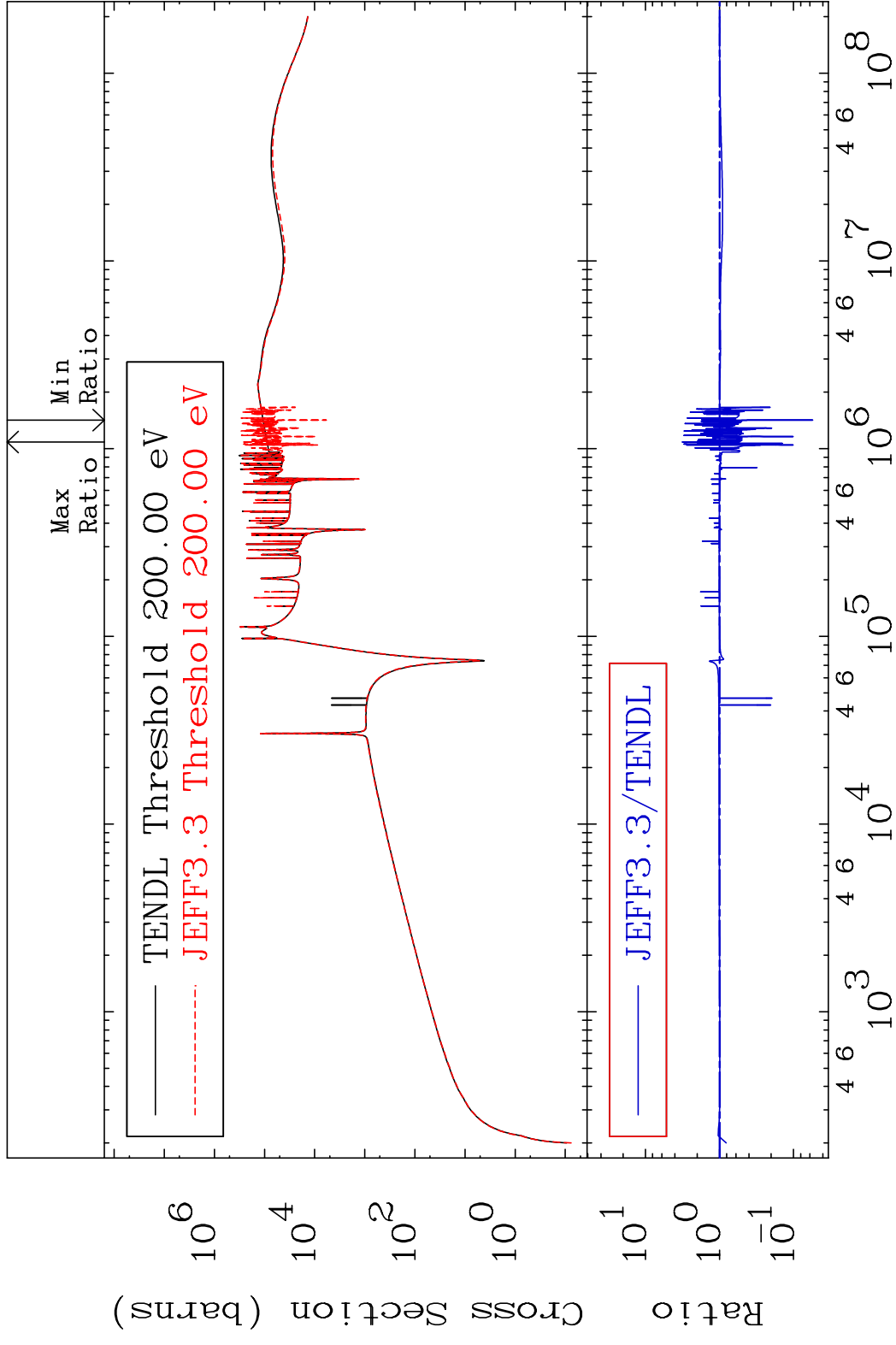
16-S -32

MAT 1625

Dpa elastic (mt2)

16-S -32

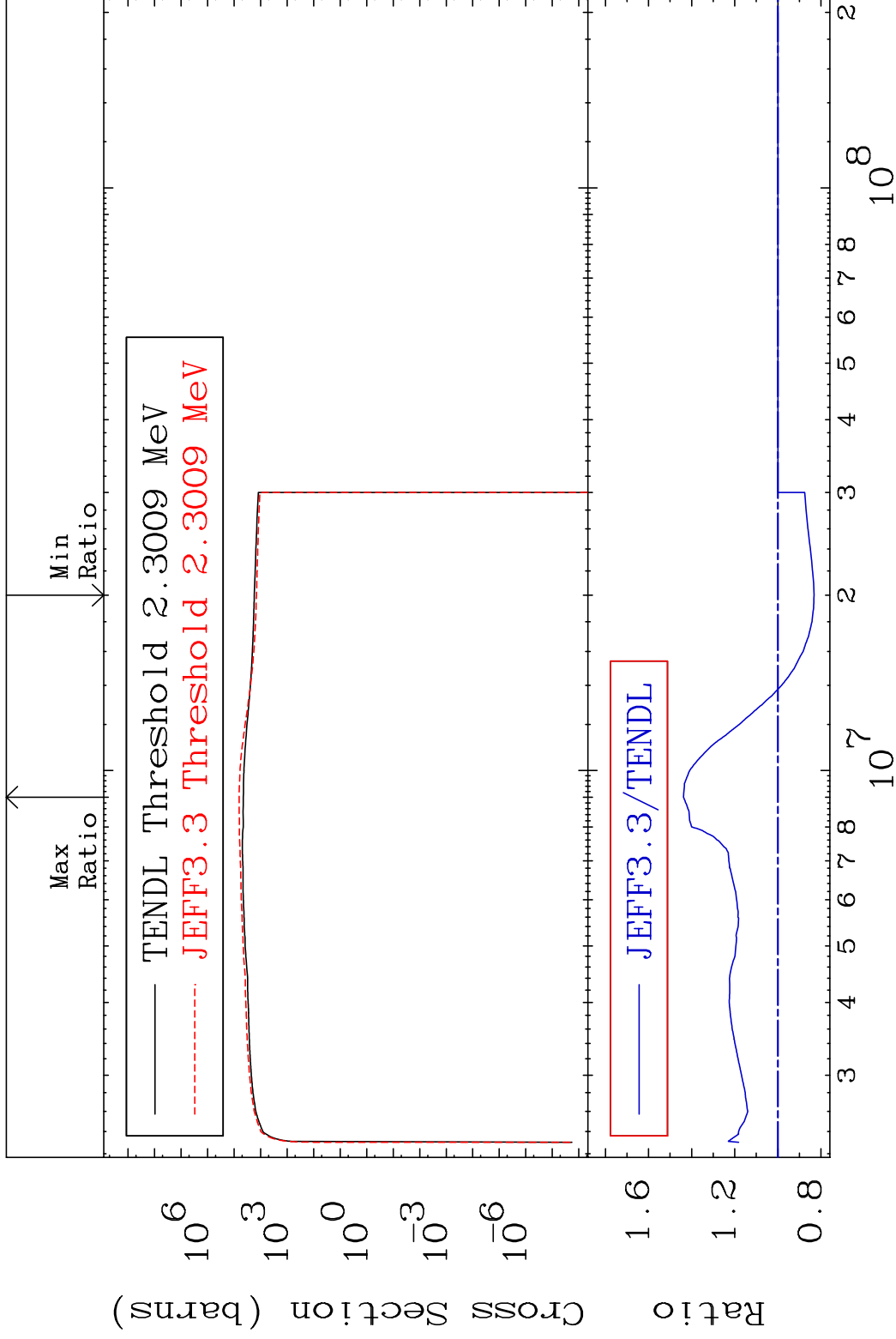
Cross Section -94.48 To 217.3 %



60

Incident Energy (eV)

16-S -32



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32  
 Cross Section -96.85 To 2324. %

