

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

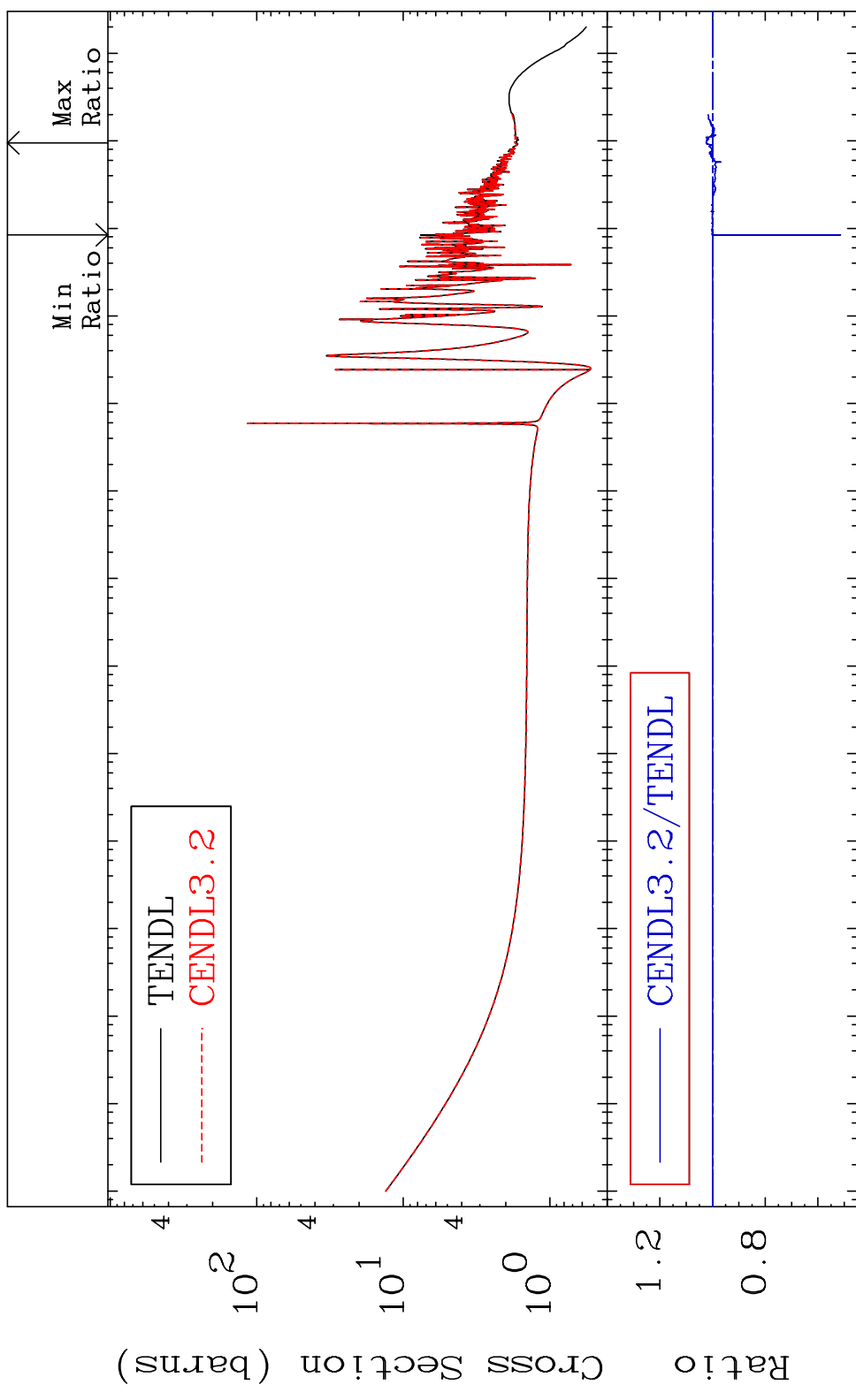
MAT 1325

Total

13-A1-27

Cross Section

-48.55 To 2.579 %



1

Incident Energy (eV)

13-A1-27

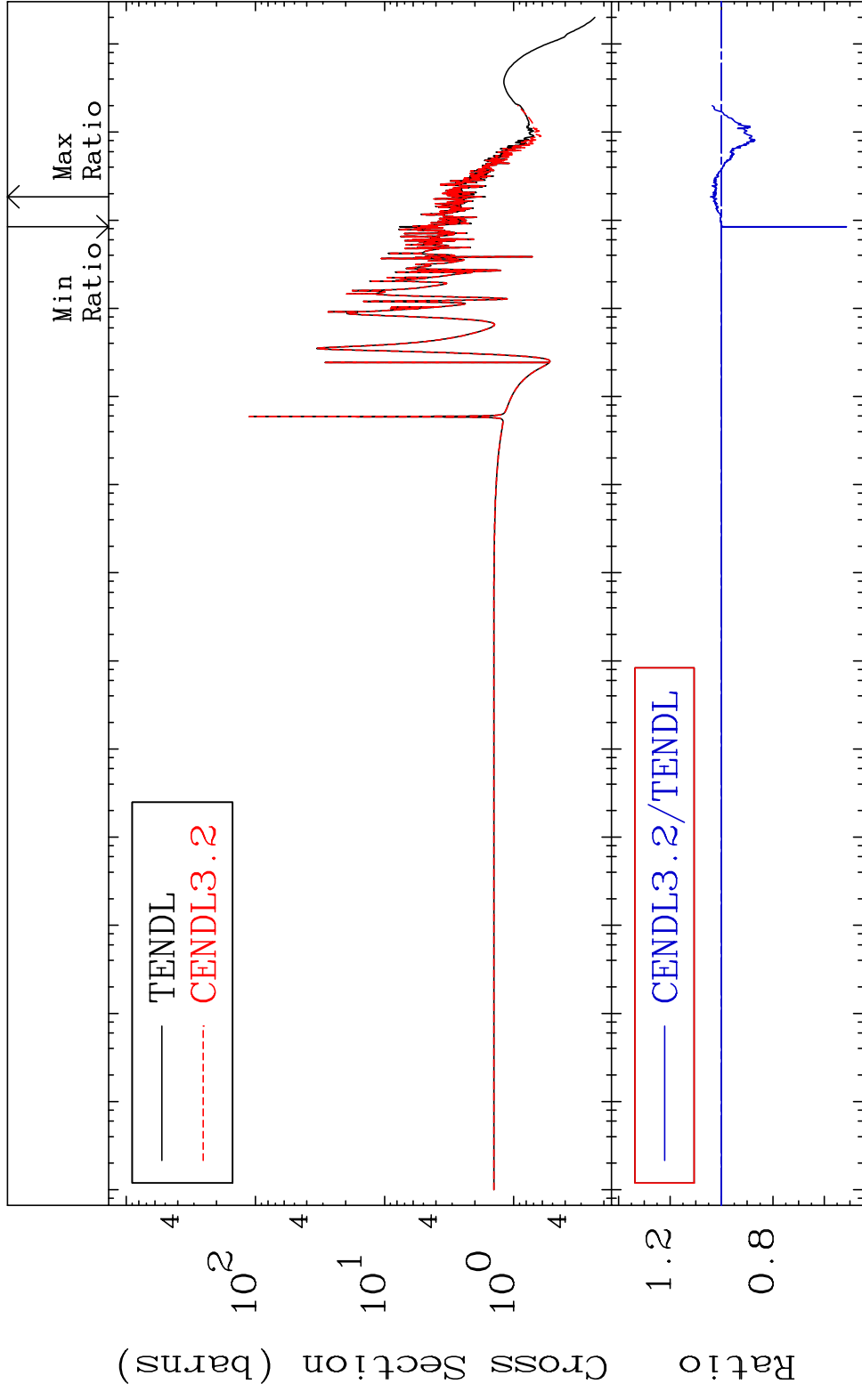
MAT 1325

Elastic

13-Al-27

Cross Section

-48.55 To 4.185 %



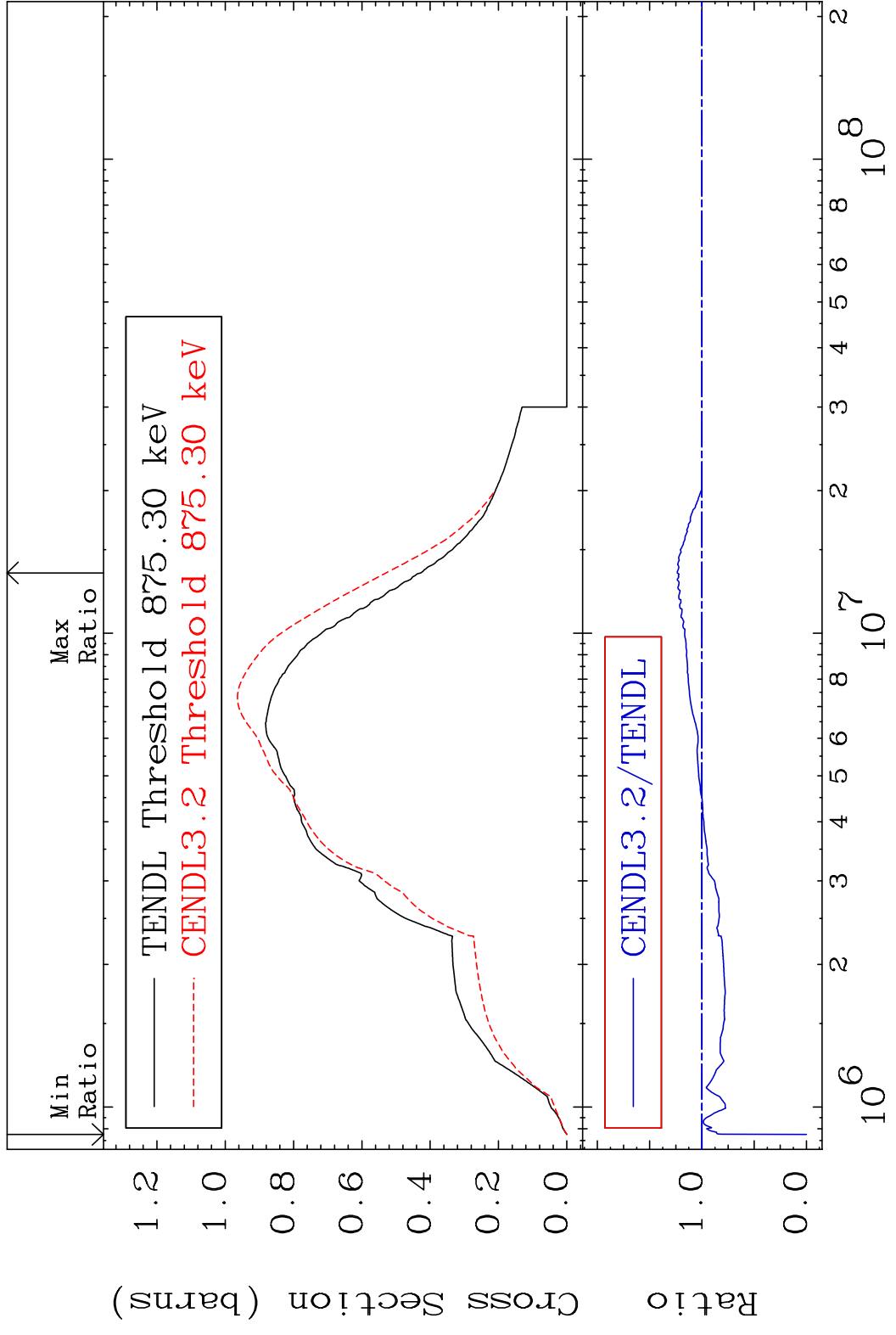
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

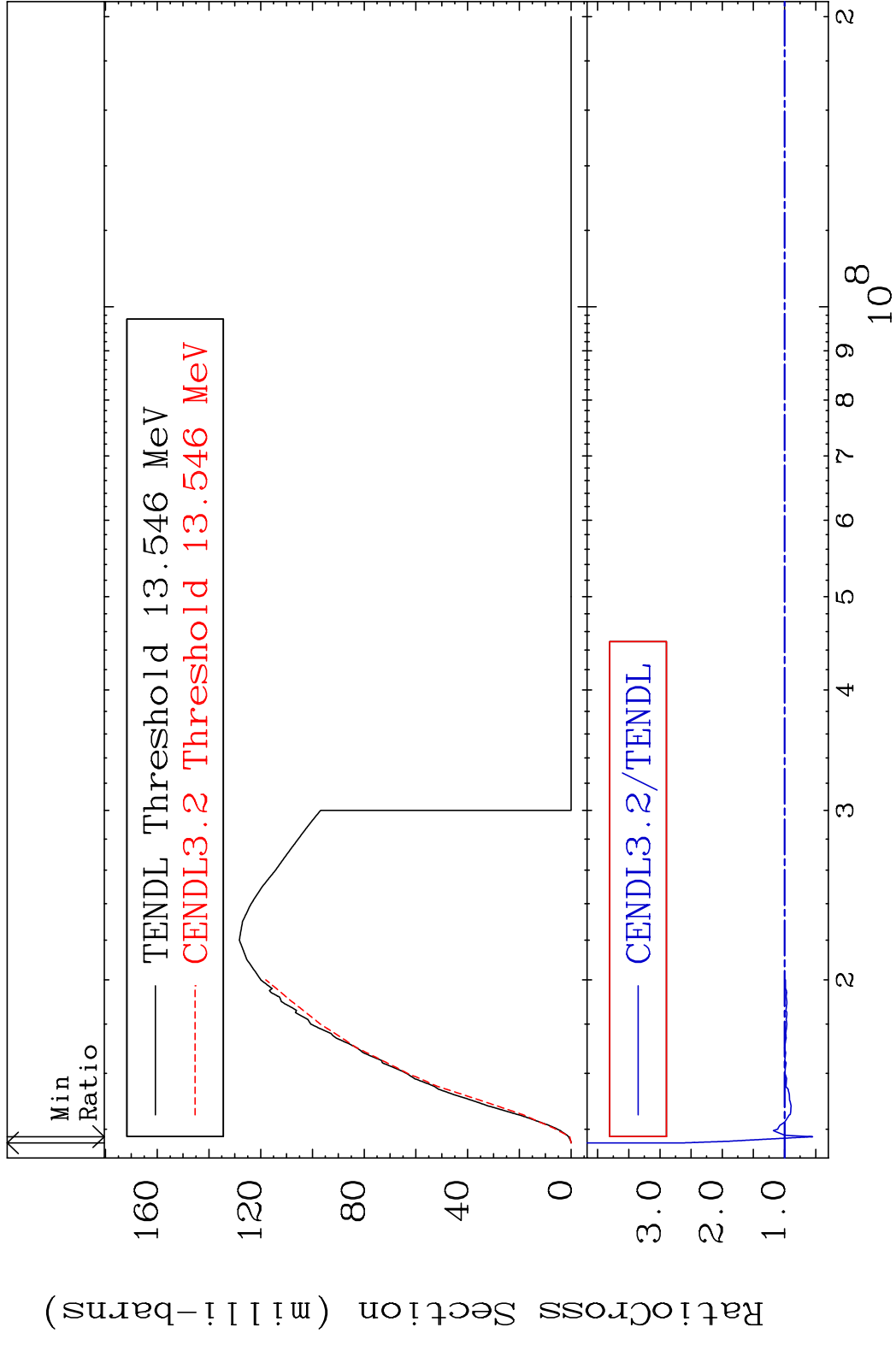
13-Al-27

MAT 1325 Inelastic Cross Section -100.0 To 23.66 % 13-Al-27



3 Incident Energy (eV) 13-Al-27

MAT 1325 (n,2n) 13-Al-27  
 Cross Section -44.94 To 164.0 %

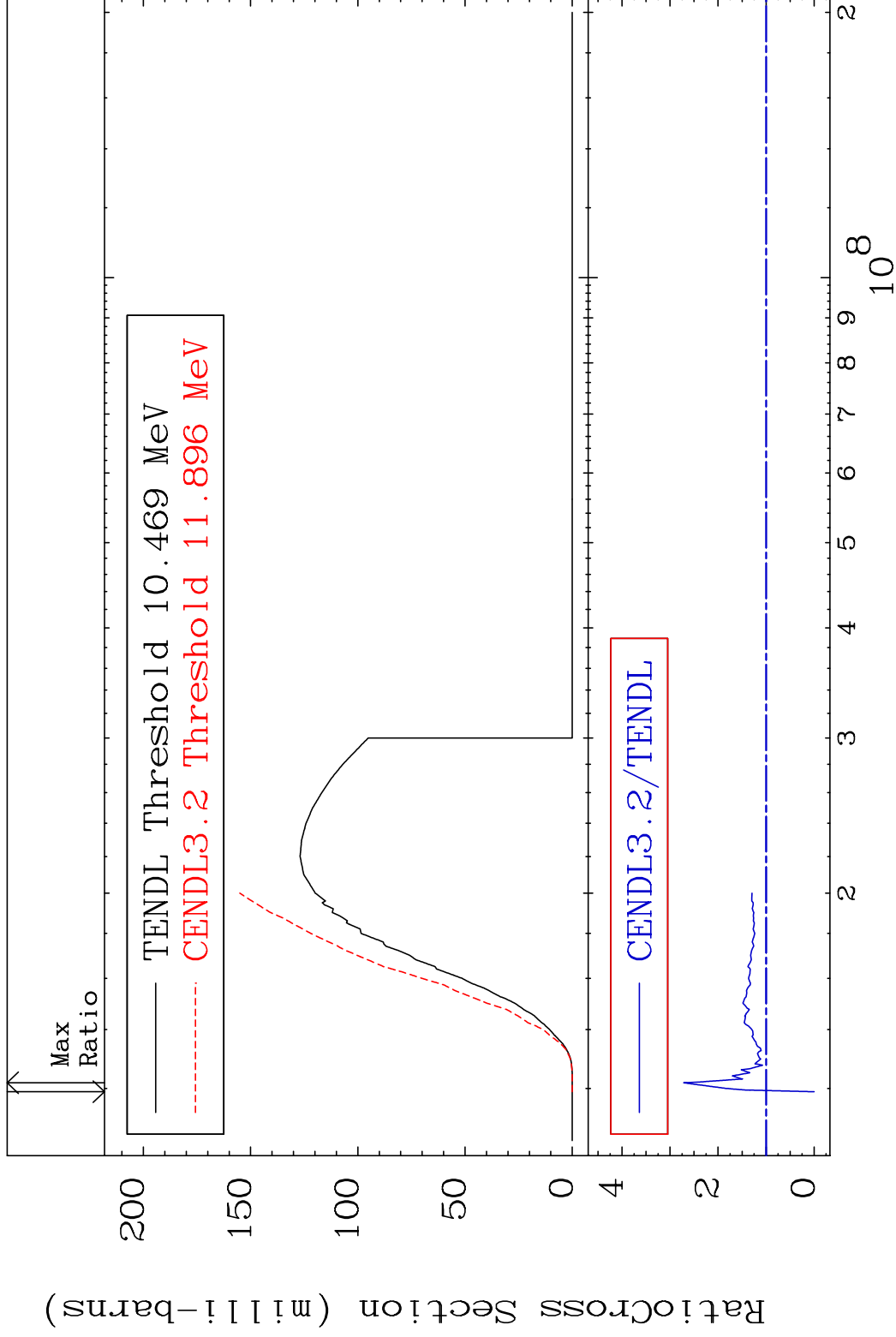


MAT 1325

(n, n')  $\alpha$

13-Al-27

Cross Section -100.0 To 171.7 %



5

Incident Energy (eV)

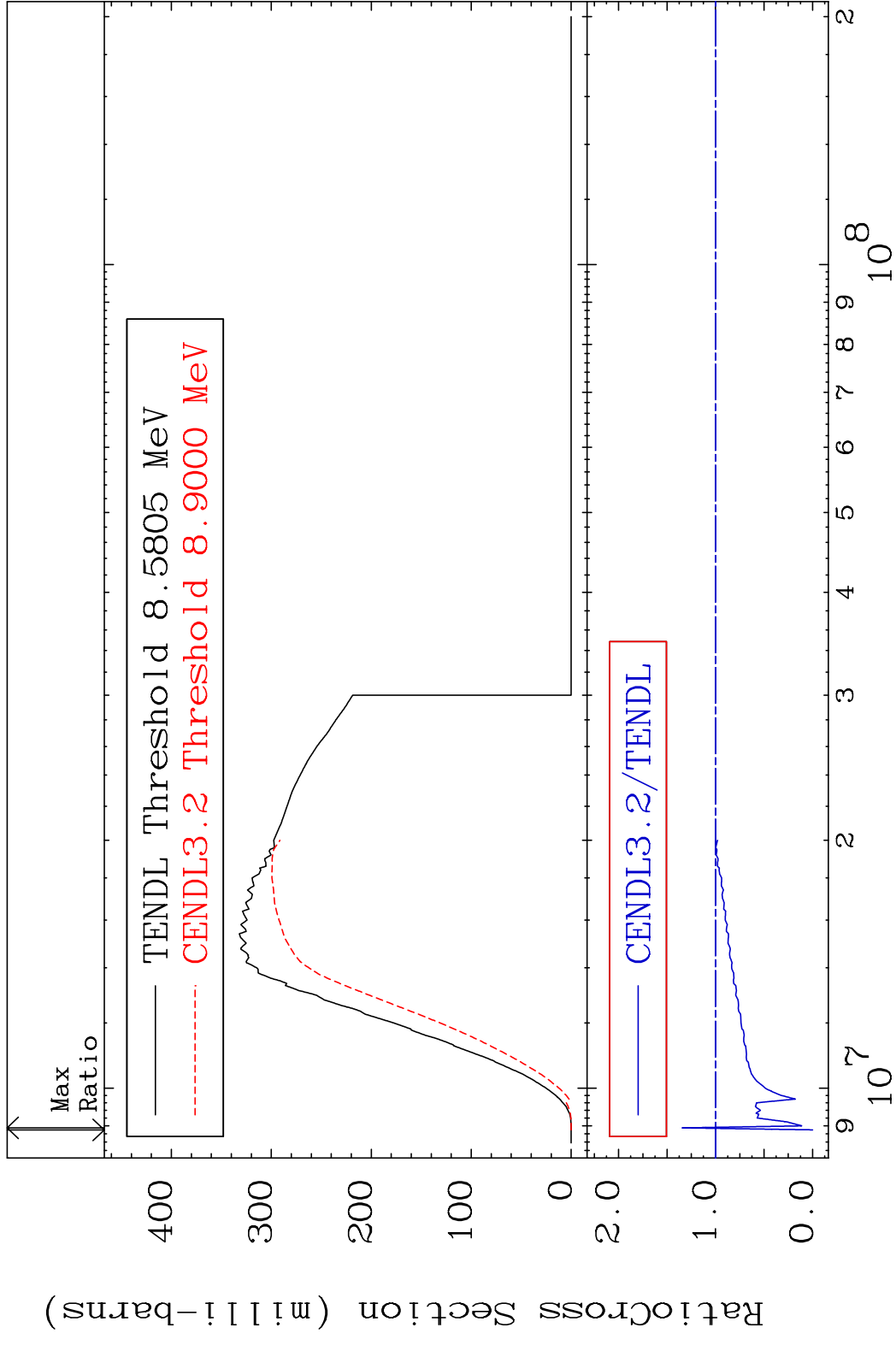
13-Al-27

MAT 1325

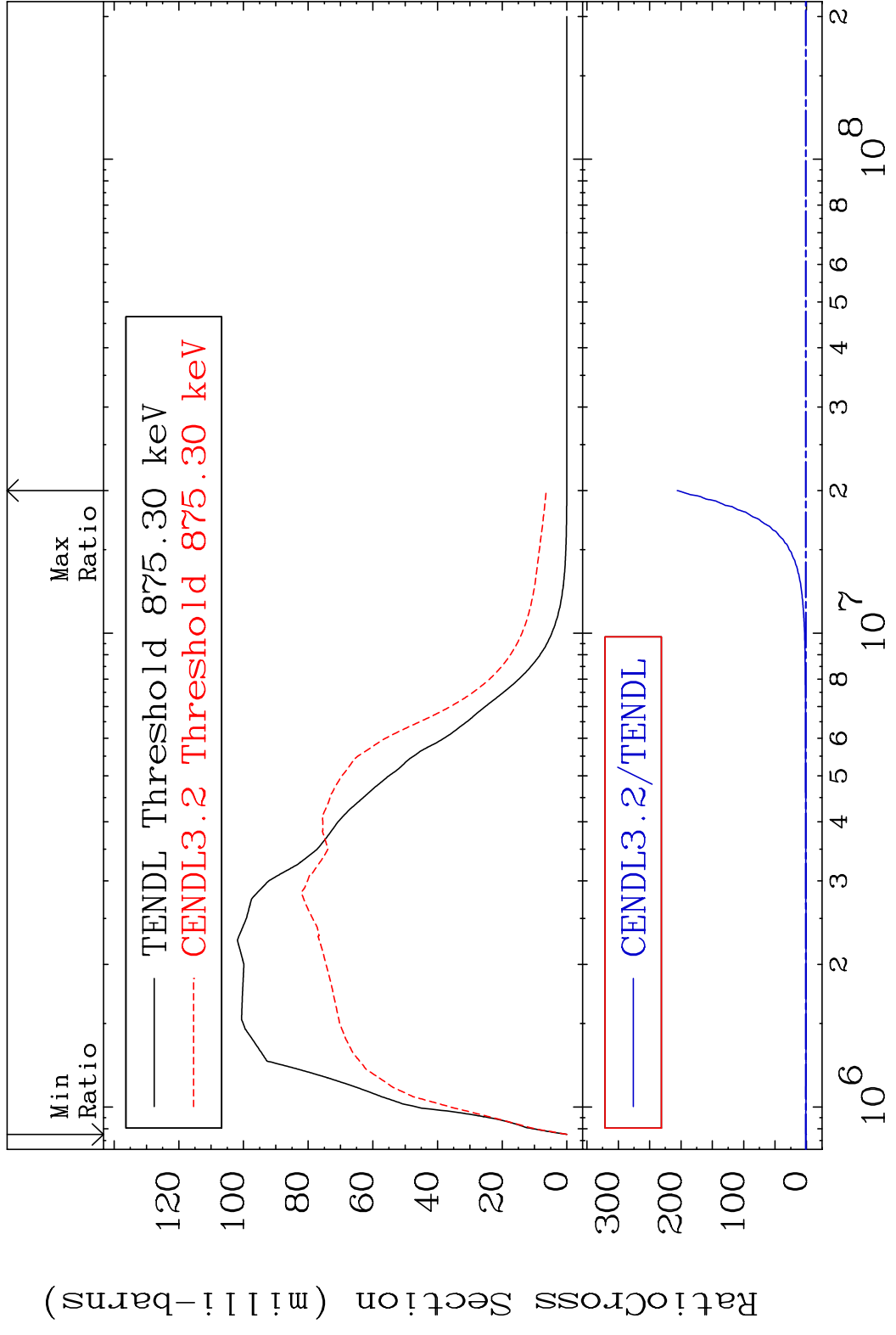
(n, n') p

13-Al-27

Cross Section -100.0 To 34.25 %



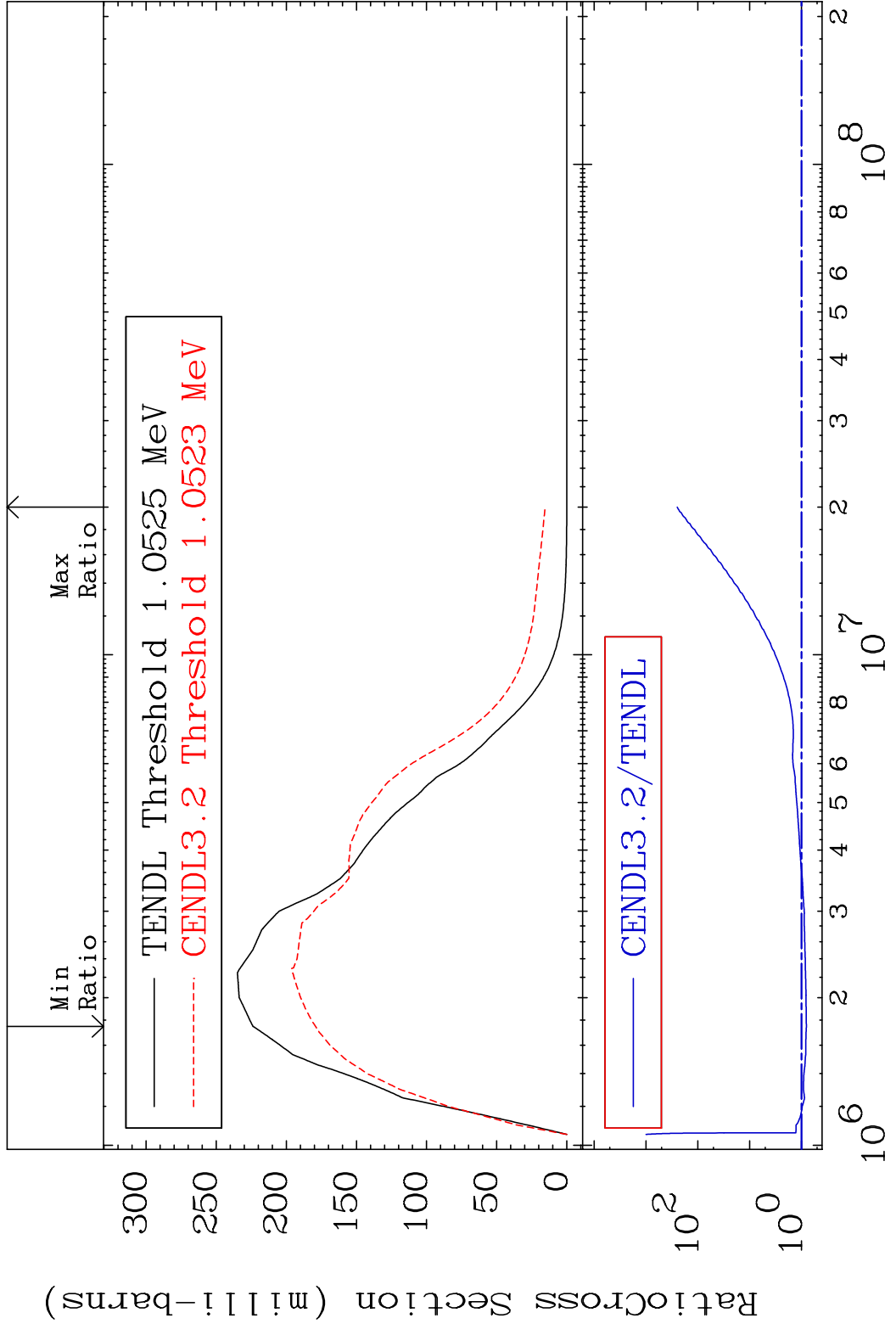
MAT 1325 MT= 51 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 13-Al-27

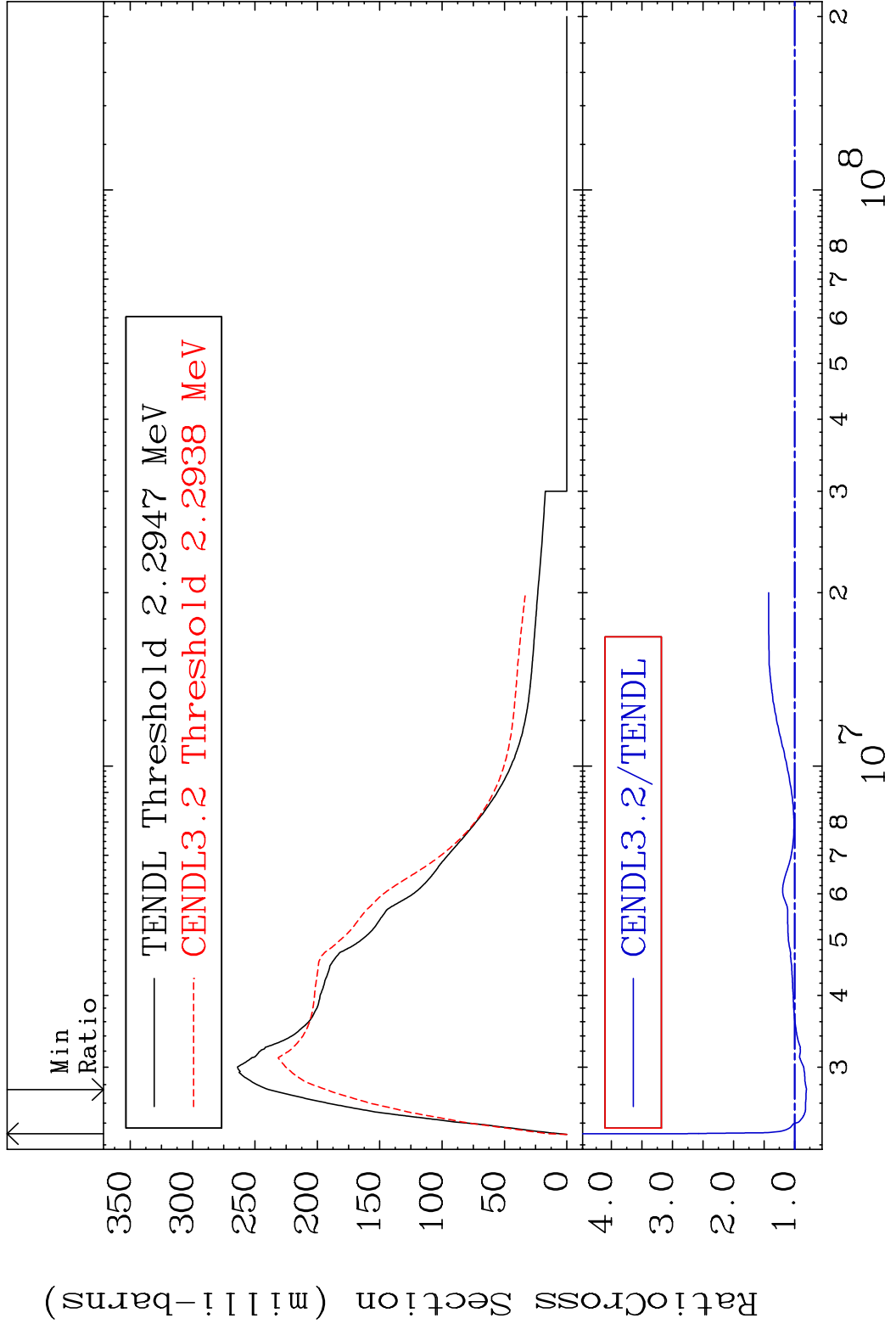


MAT 1325 MT= 52 (n, n') Level 13-Al-27  
 Cross Section -19.93 To 9999. %

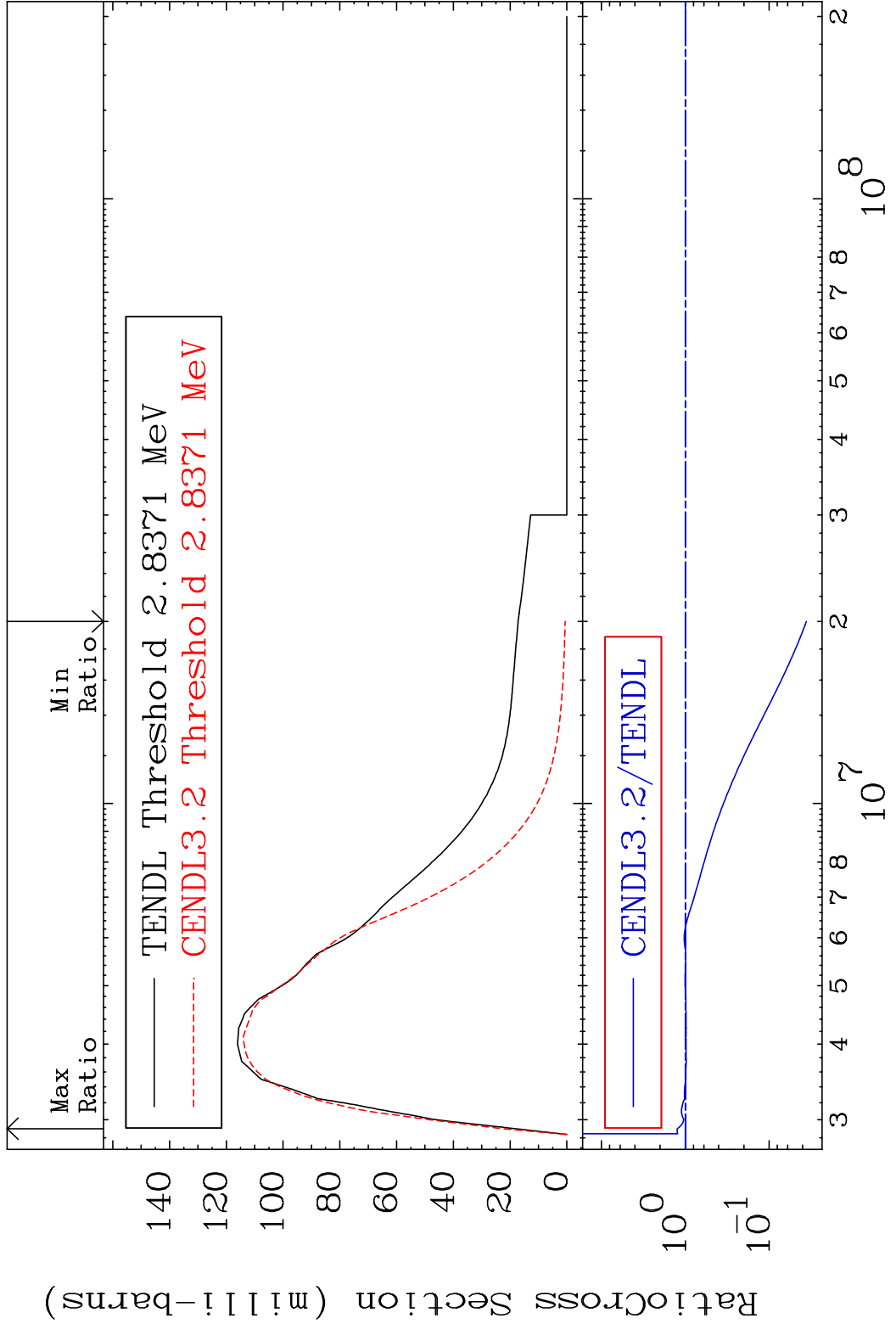


8 8 Incident Energy (eV) 13-Al-27

MAT 1325 MT= 53 (n, n') Level 13-Al-27  
 Cross Section -19.20 To 192.3 %

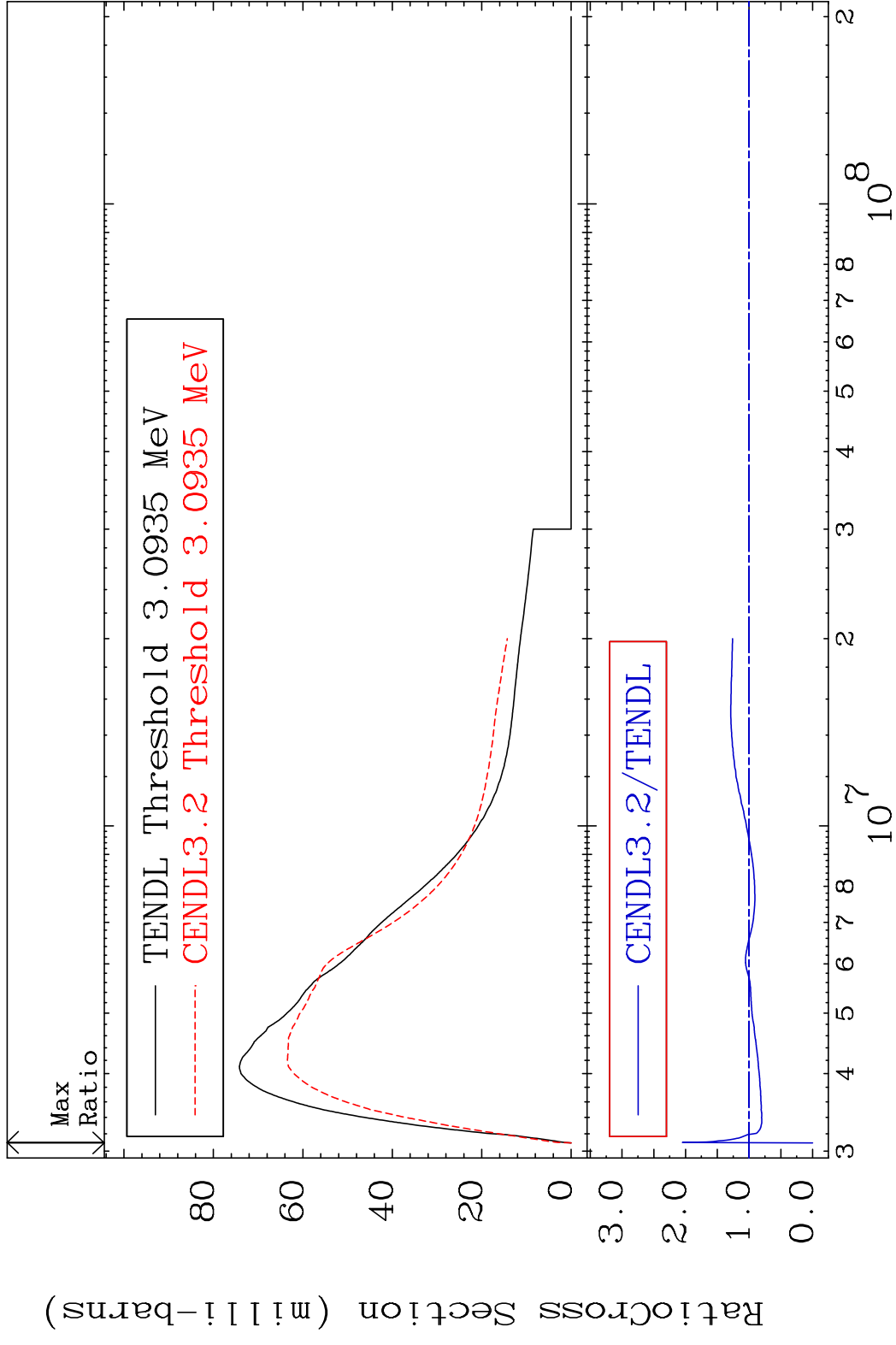


MAT 1325 MT= 54 (n,n') Level 13-A1-27  
 Cross Section -96.40 To 25.07 %

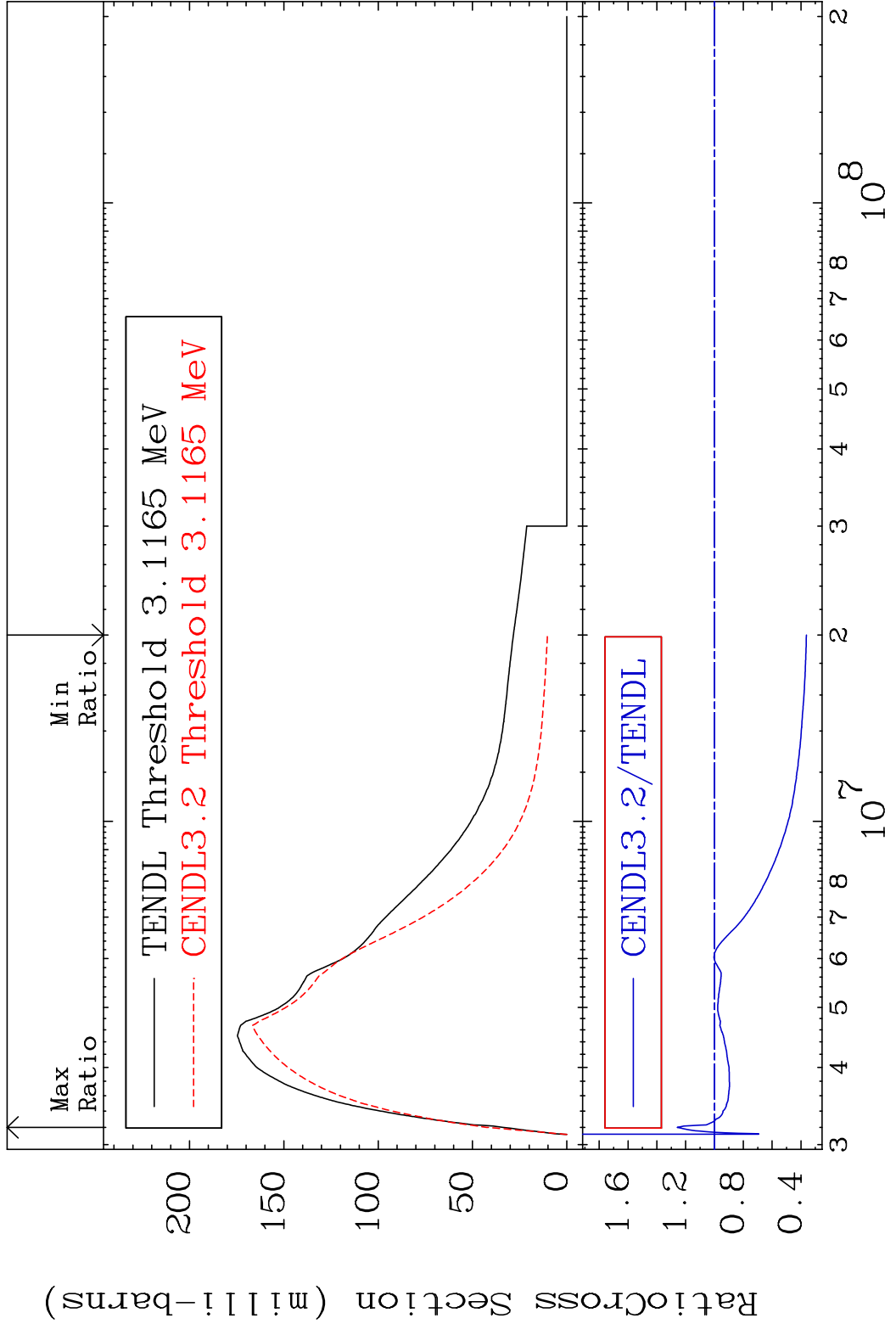


10 10 Incident Energy (eV) 13-A1-27

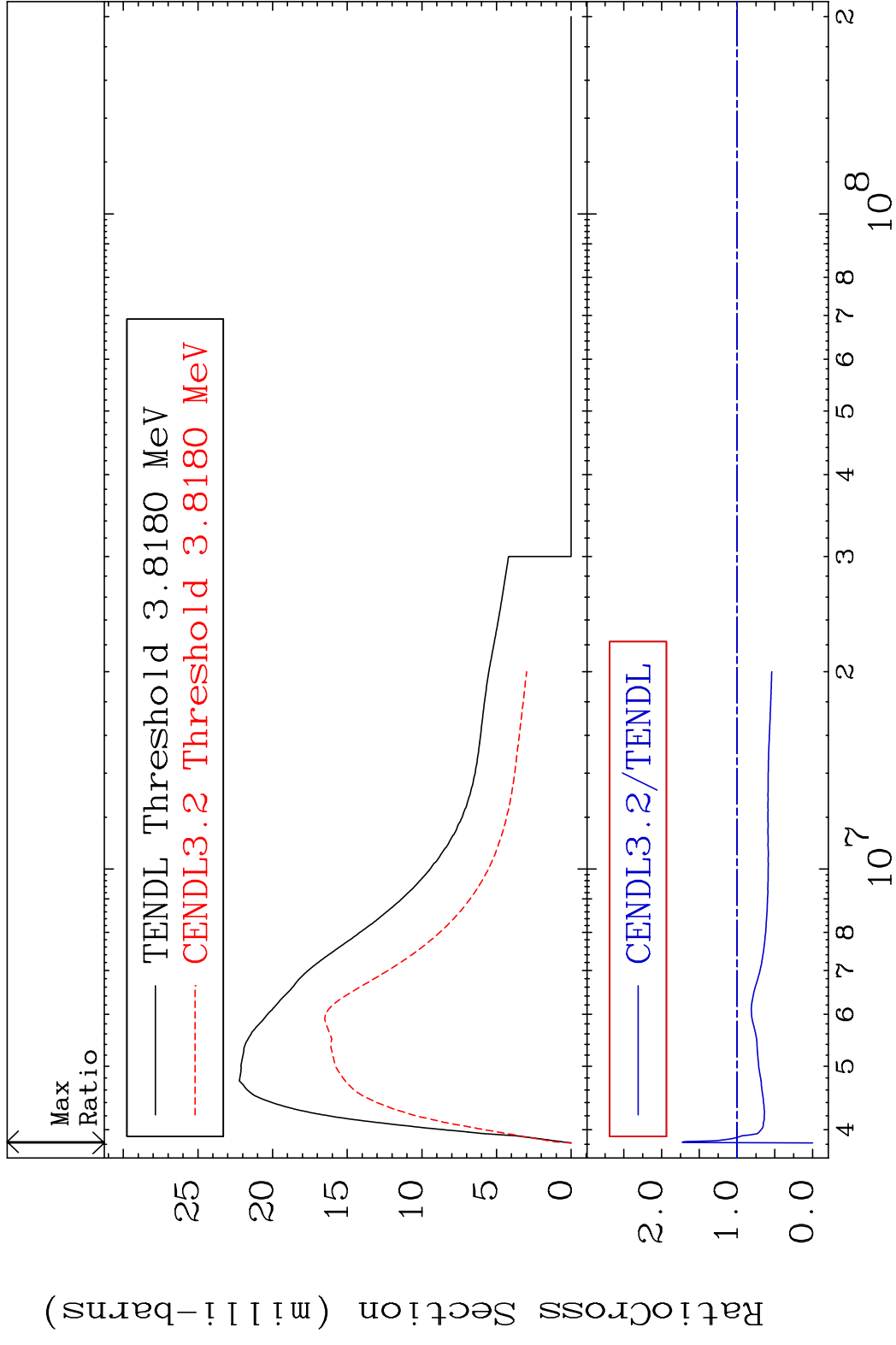
MAT 1325 MT= 55 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 105.0 %



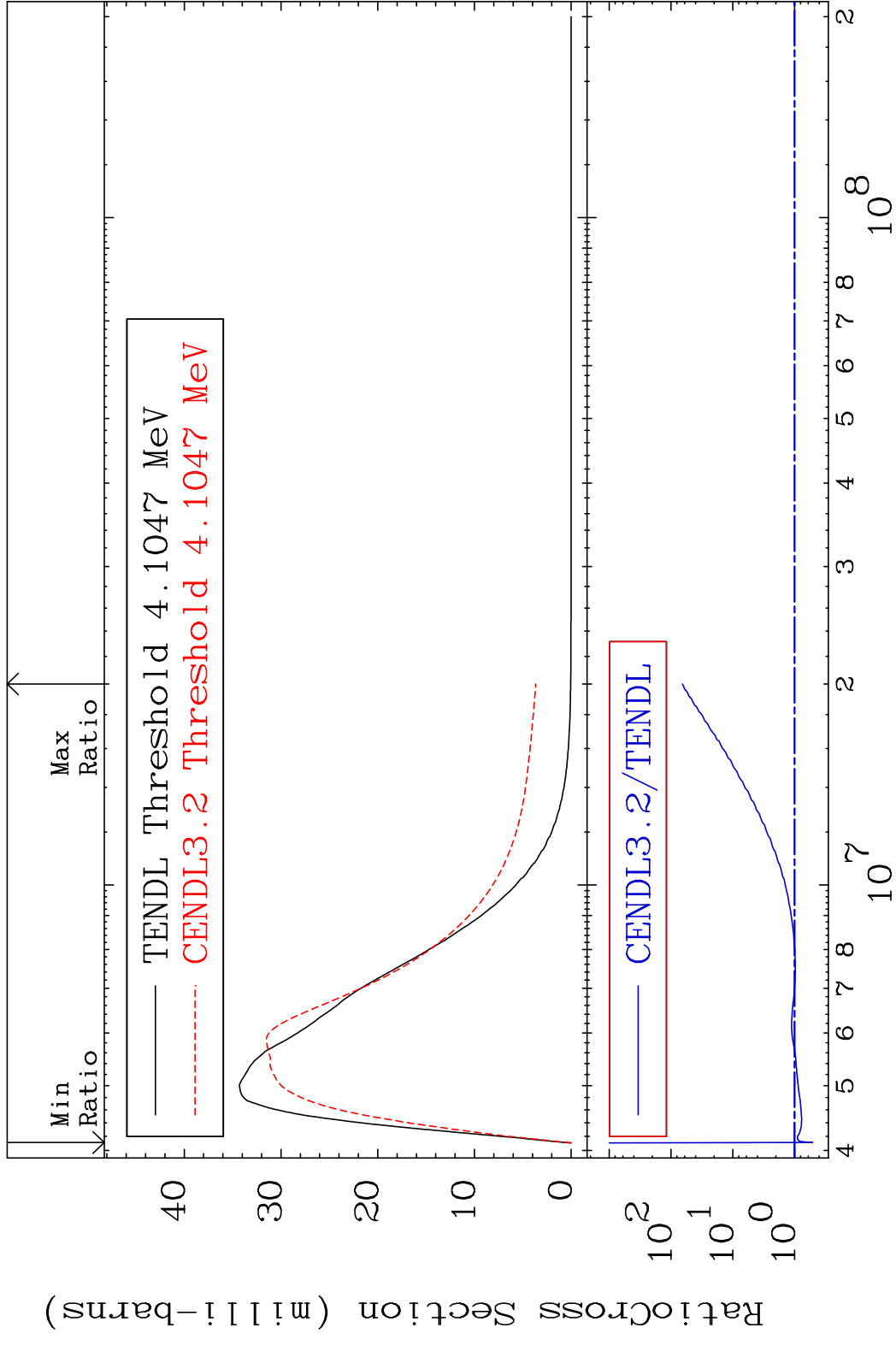
MAT 1325 MT= 56 (n,n') Level 13-A1-27  
 Cross Section -63.78 To 25.88 %



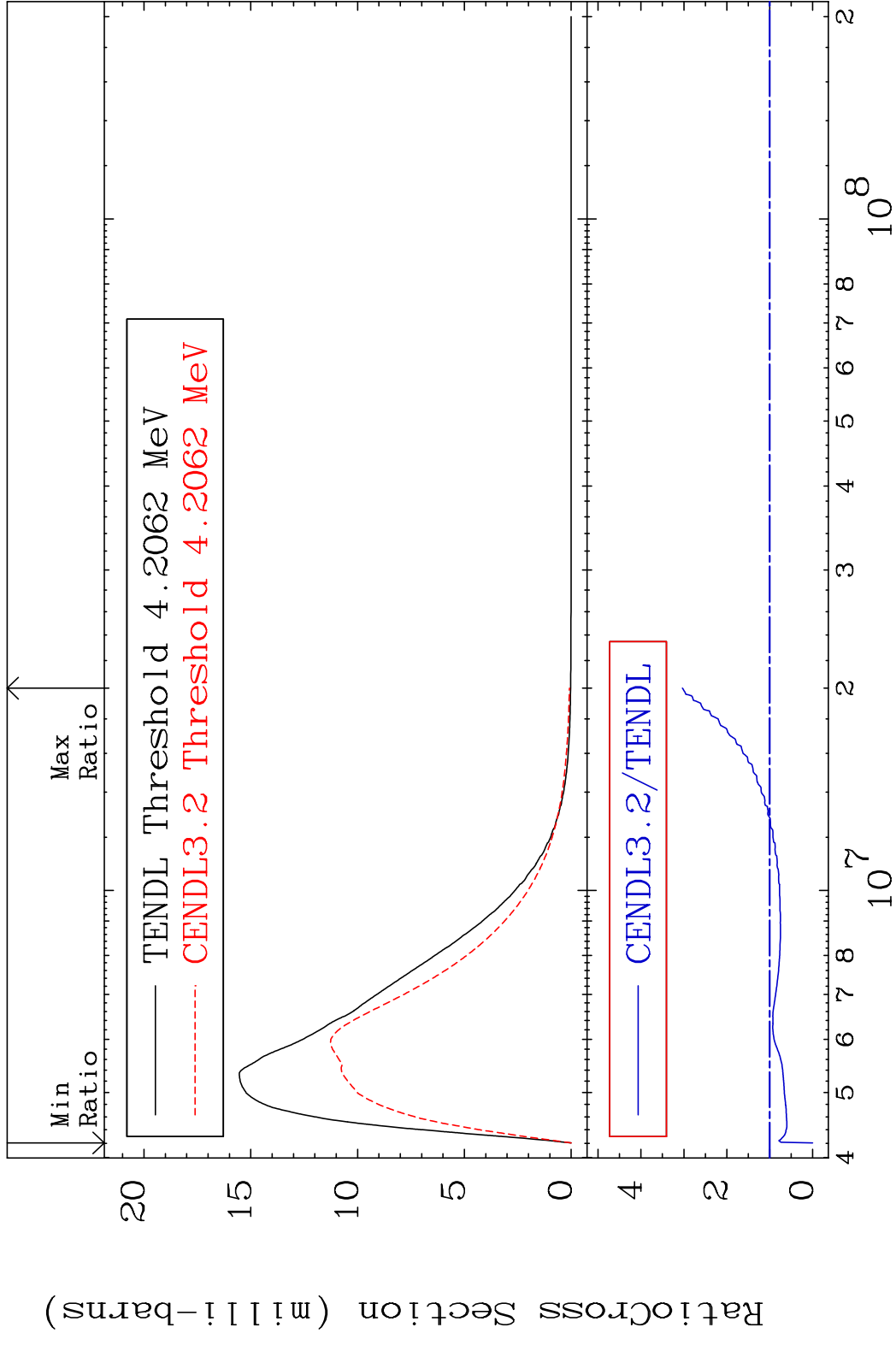
MAT 1325 MT= 57 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 72.52 %



MAT 1325 MT= 58 (n,n') Level 13-Al-27  
 Cross Section -48.88 To 6439. %

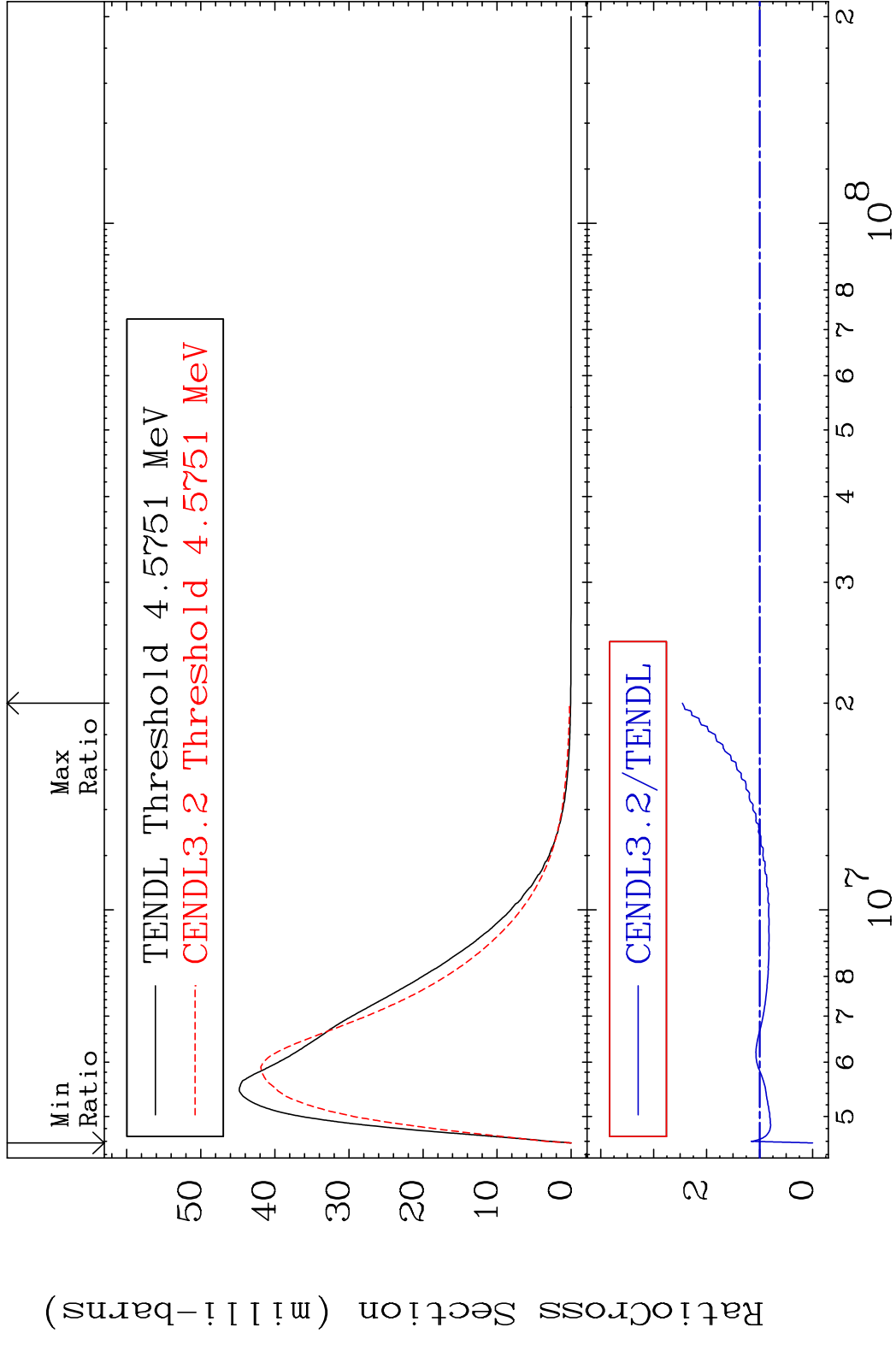


MAT 1325 MT= 59 (n, n') Level 13-A1-27  
 Cross Section -100.0 To 203.6 %

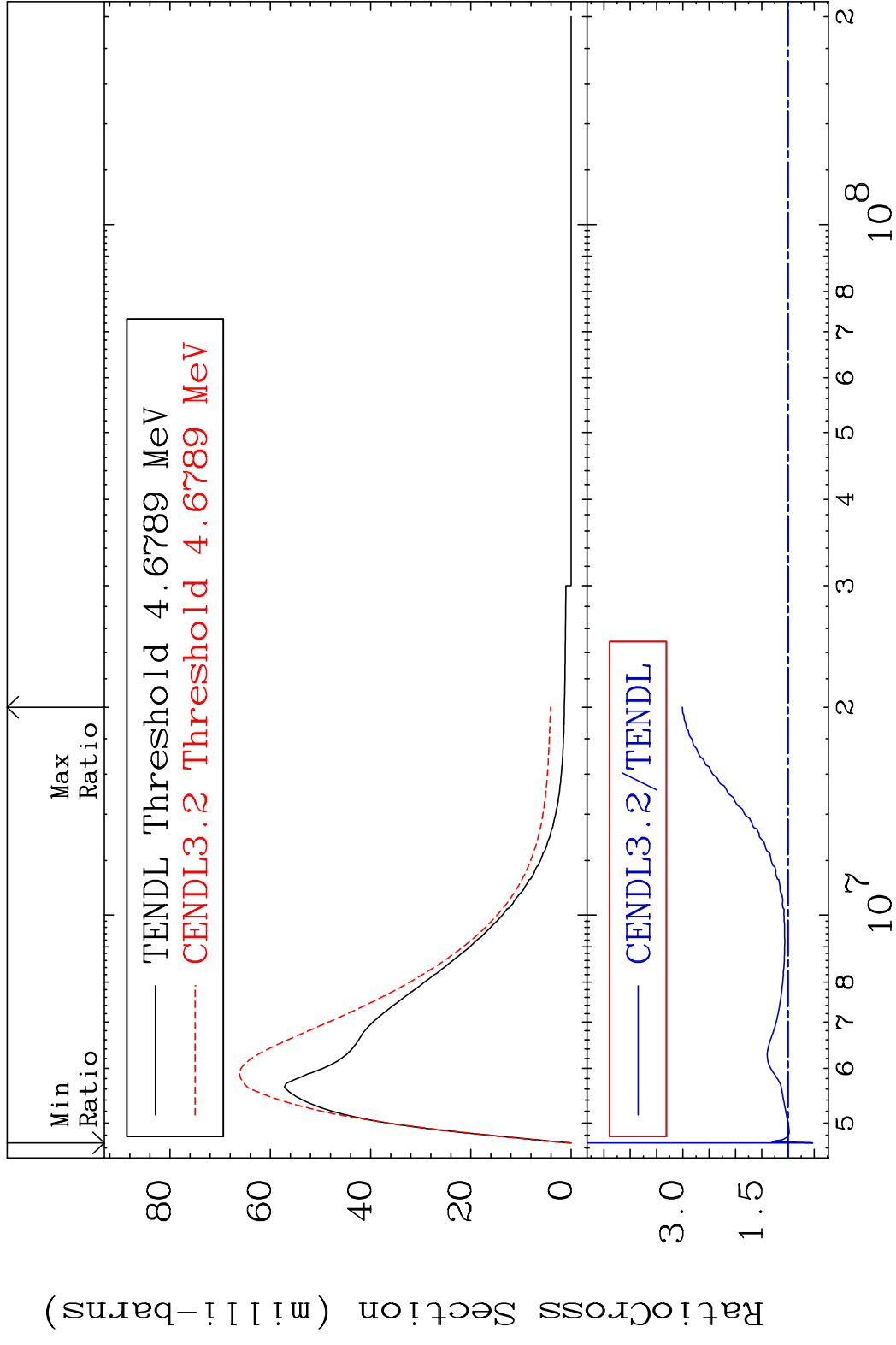




MAT 1325 MT= 60 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 145.8 %

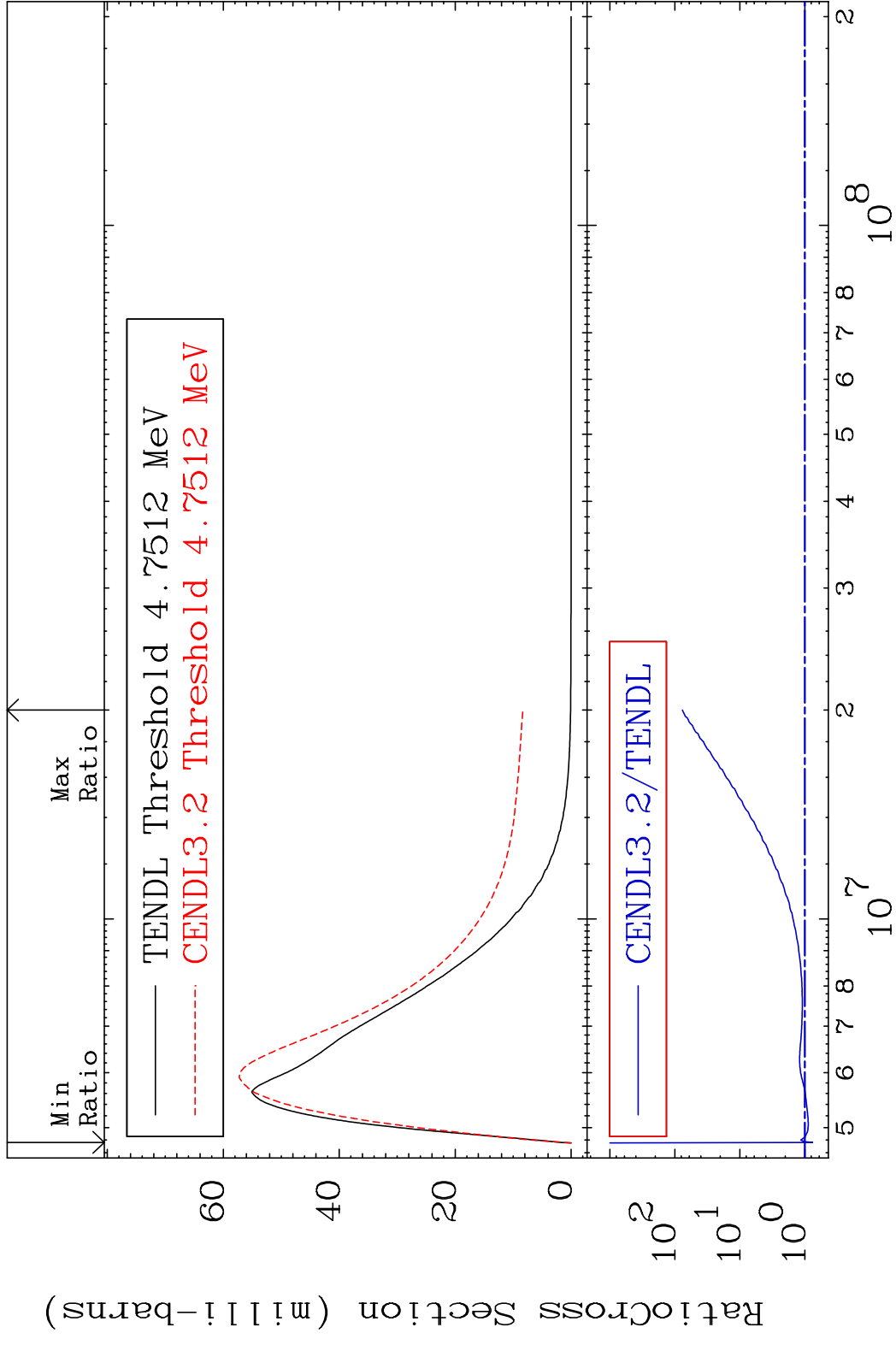


MAT 1325 MT= 61 (n, n') Level 13-A1-27  
 Cross Section -46.73 To 200.9 %

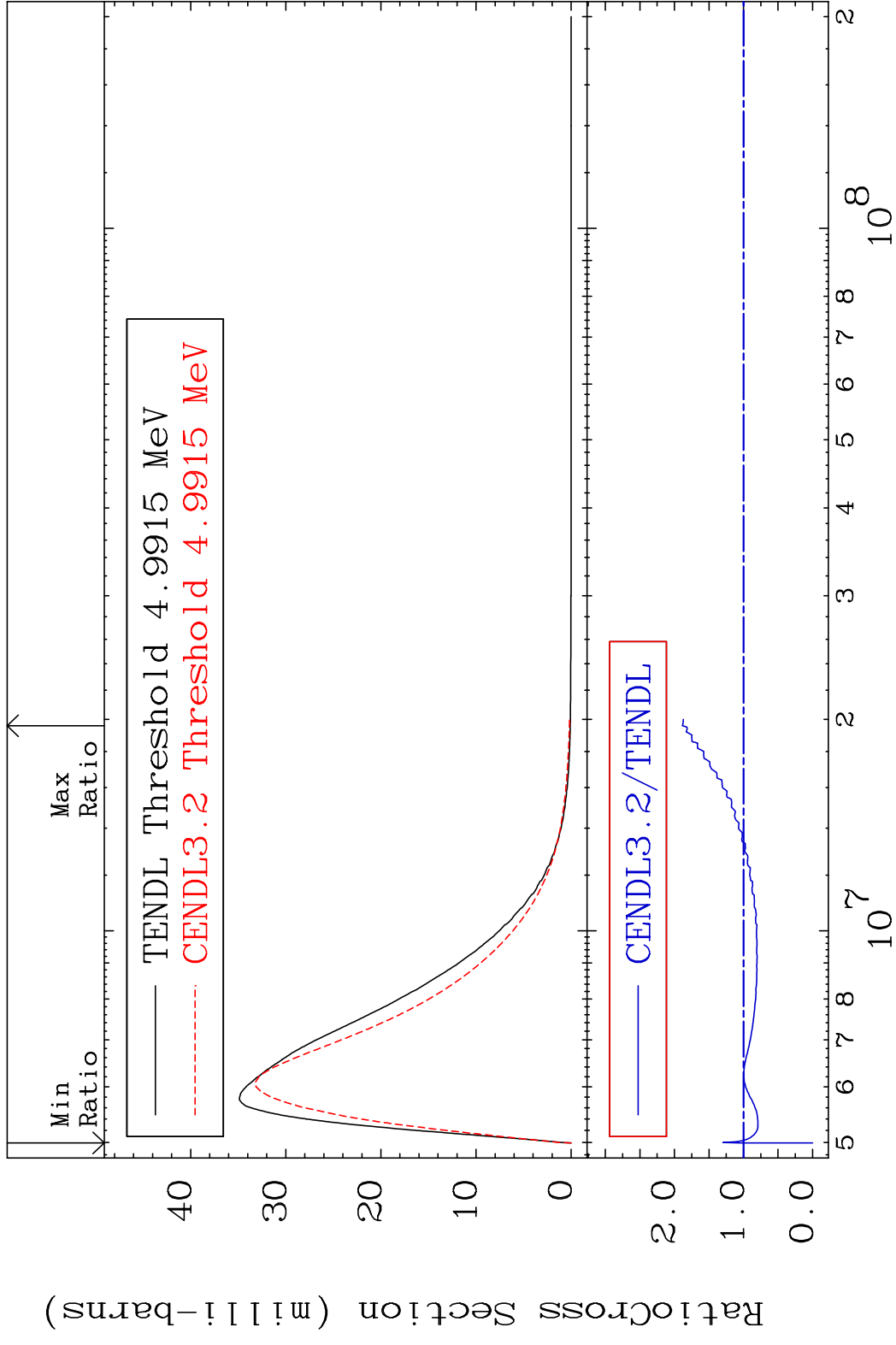


17 Incident Energy (eV) 13-A1-27

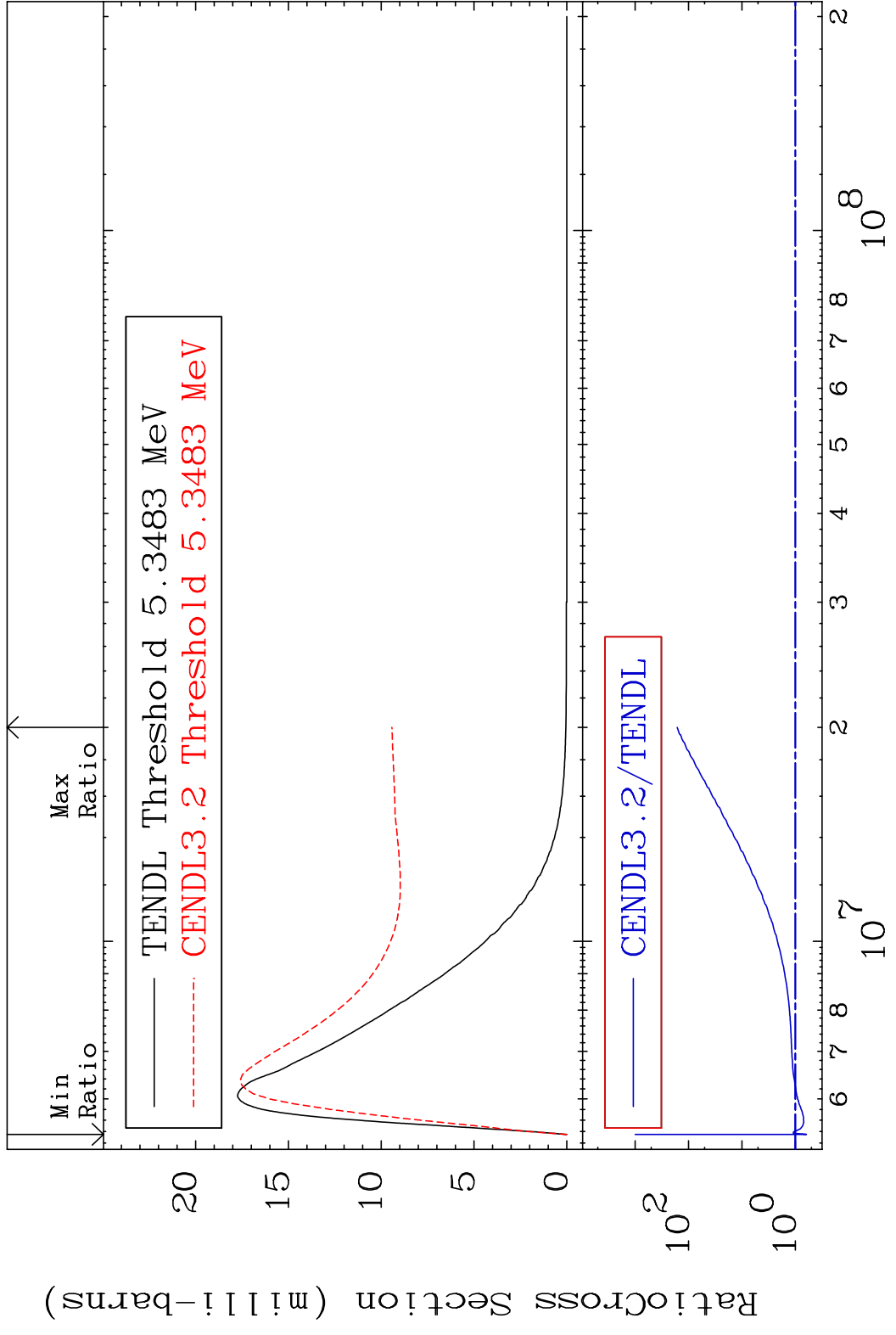
MAT 1325 MT= 62 (n,n') Level 13-Al-27  
 Cross Section -23.77 To 7585. %



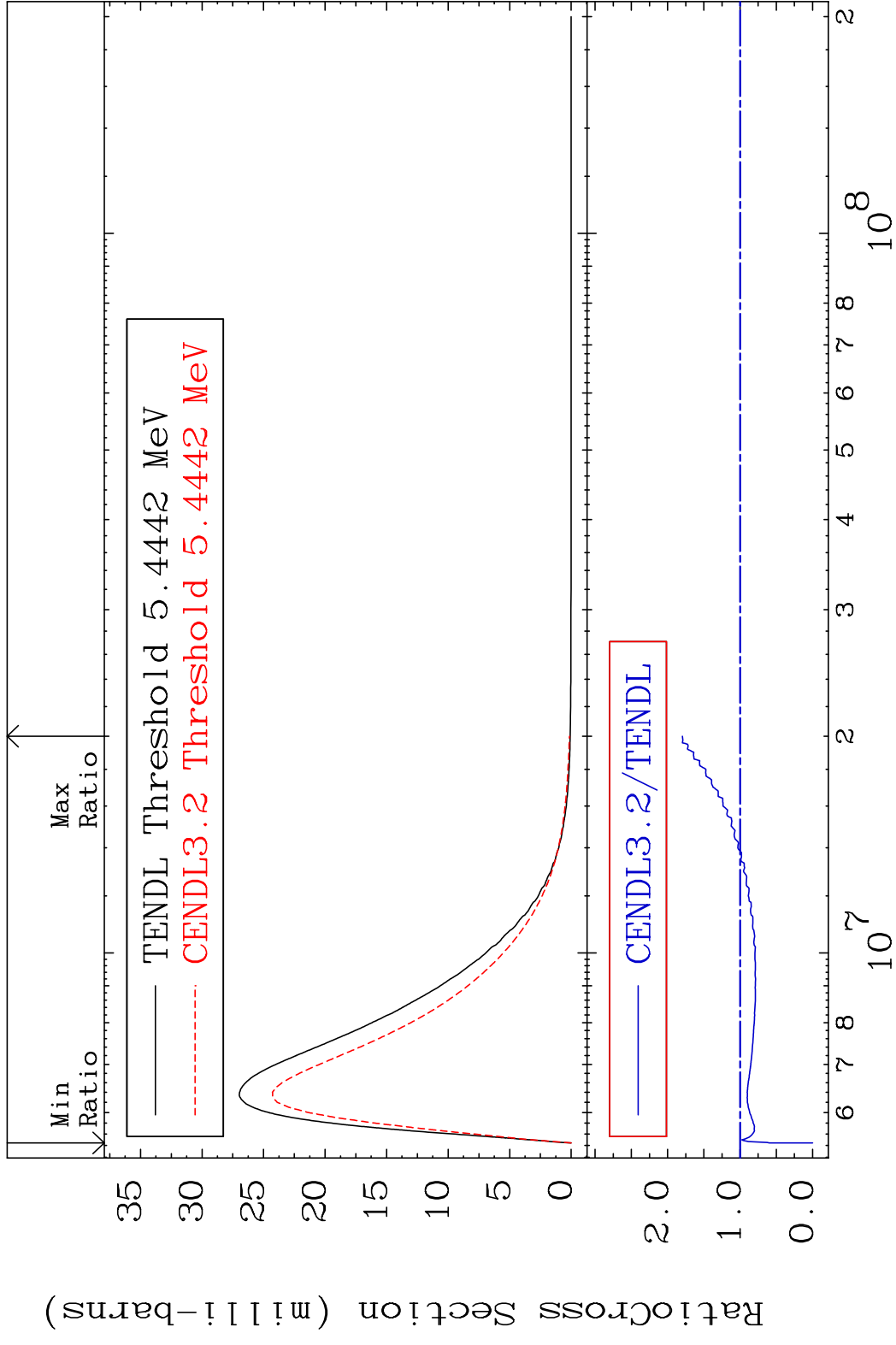
MAT 1325 MT= 63 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 88.55 %



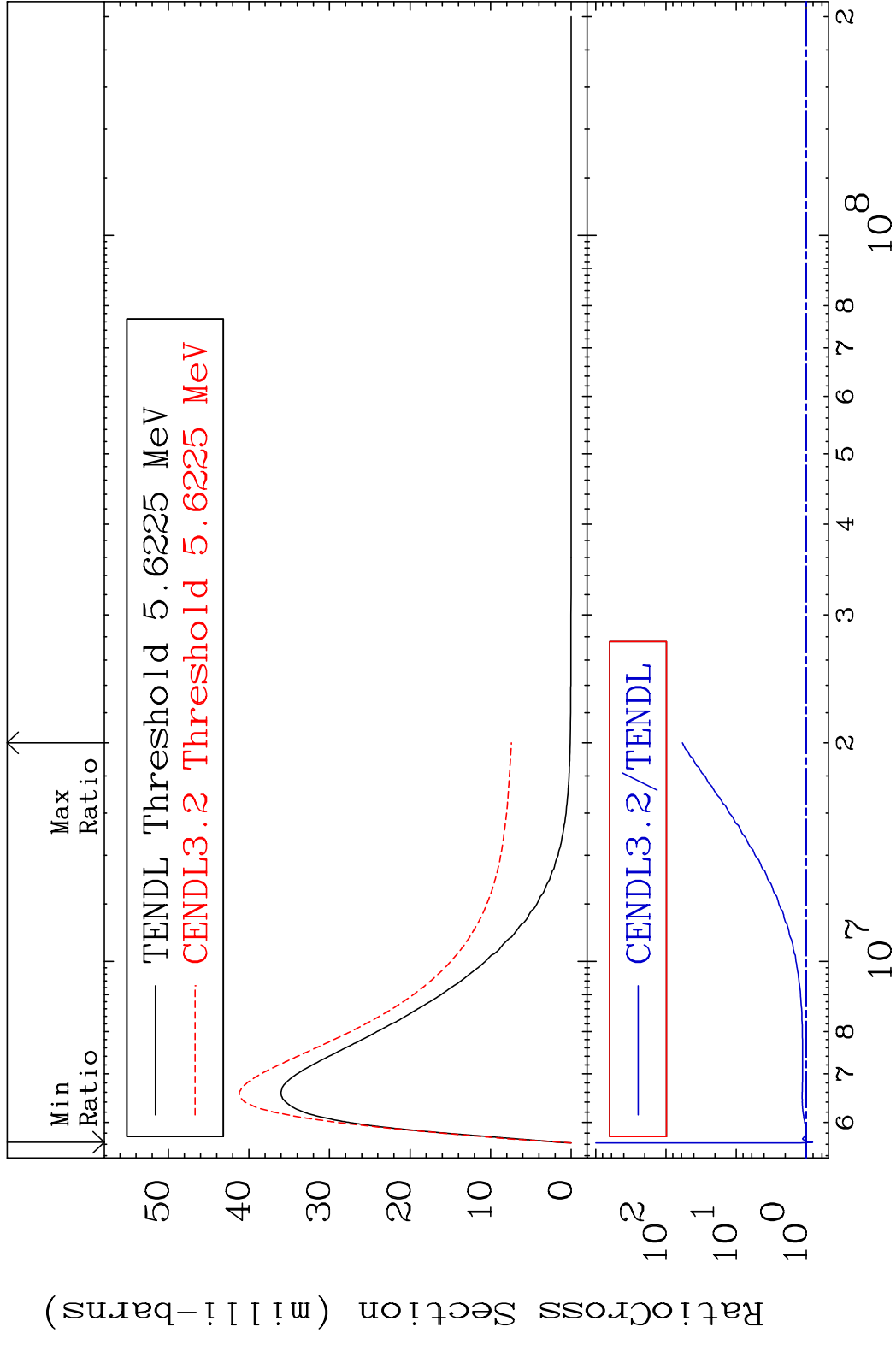
MAT 1325 MT= 64 (n,n') Level 13-A1-27  
 Cross Section -37.76 To 9999. %



MAT 1325 MT= 65 (n,n') Level 13-A1-27  
 Cross Section -100.0 To 79.65 %



MAT 1325 MT= 66 (n,n') Level 13-A1-27  
 Cross Section -18.50 To 5742. %

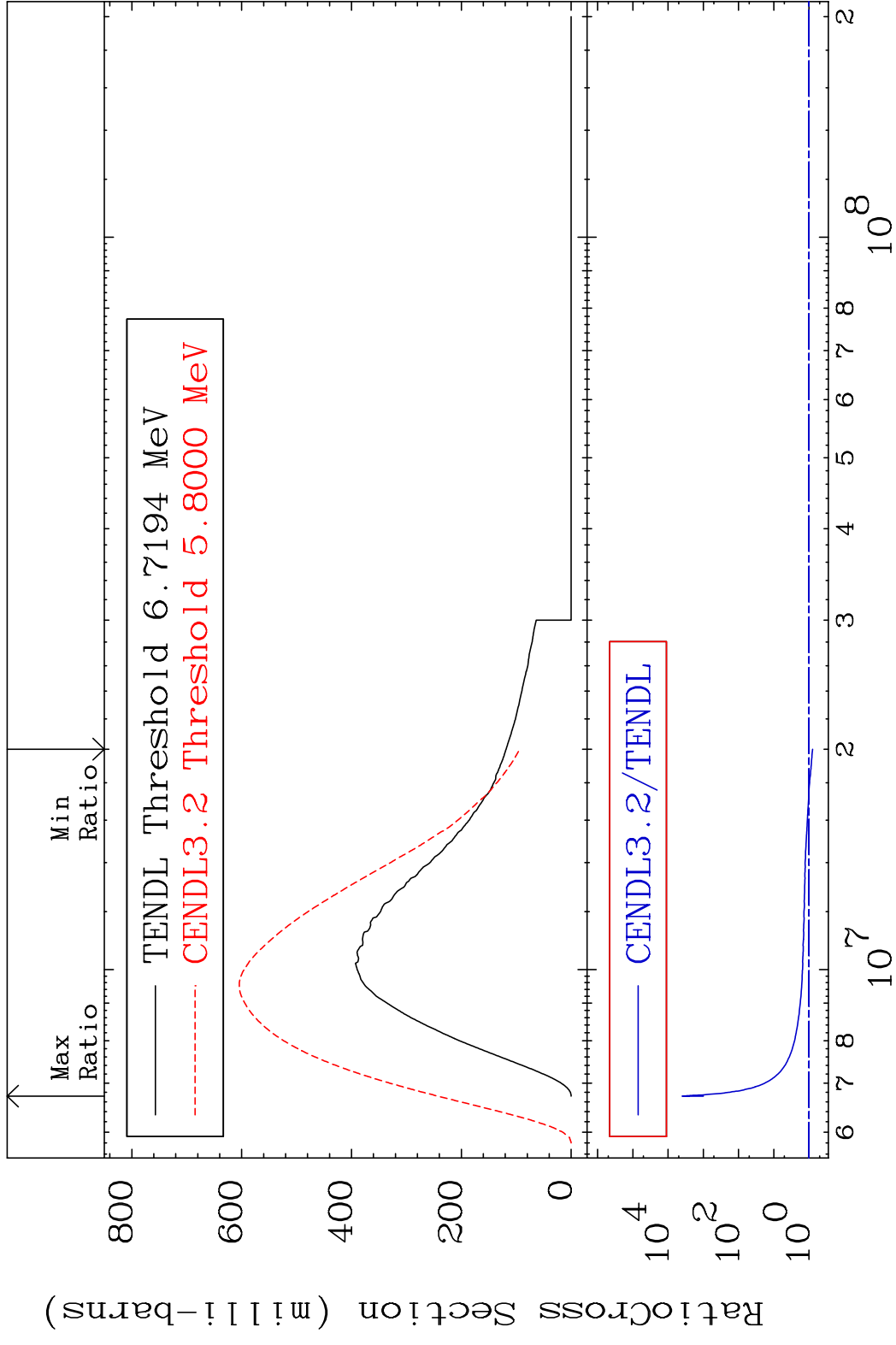


MAT 1325

(n,n') Continuum

13-Al-27

Cross Section -20.90 To 9999. %





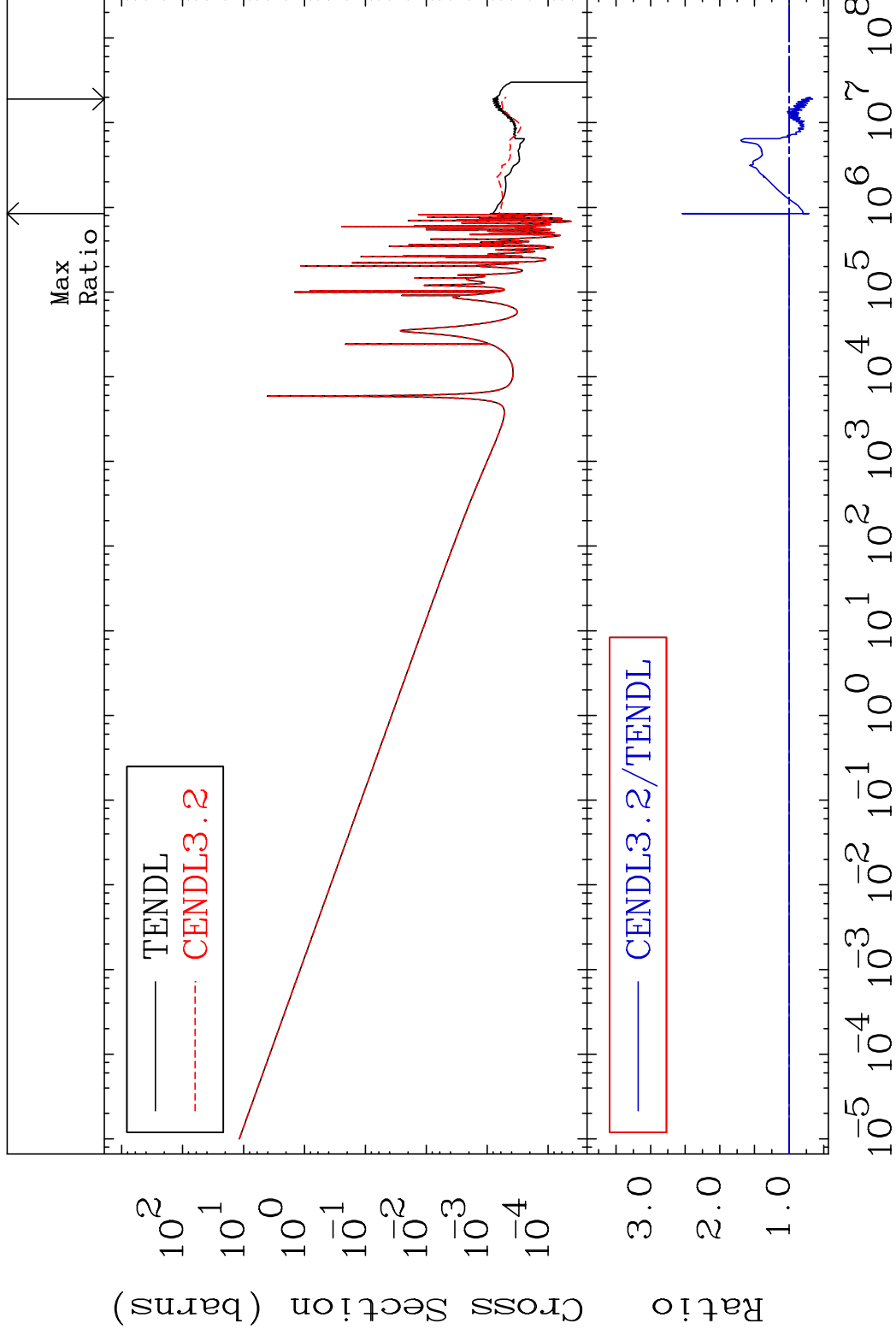
MAT 1325

(n,  $\gamma$ )

13-Al-27

Cross Section

-33.78 To 154.1 %



24

Incident Energy (eV)

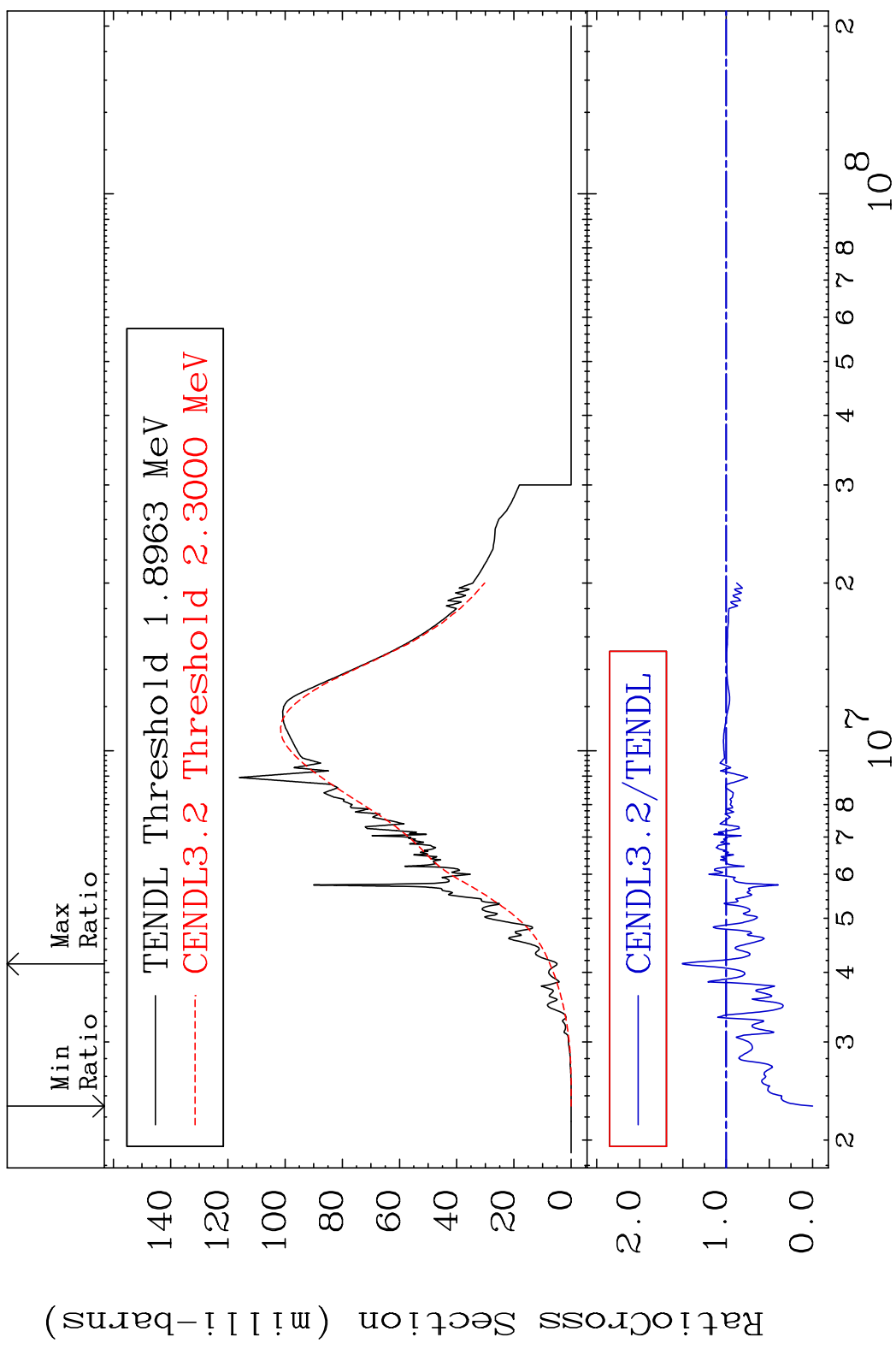
13-Al-27

MAT 1325

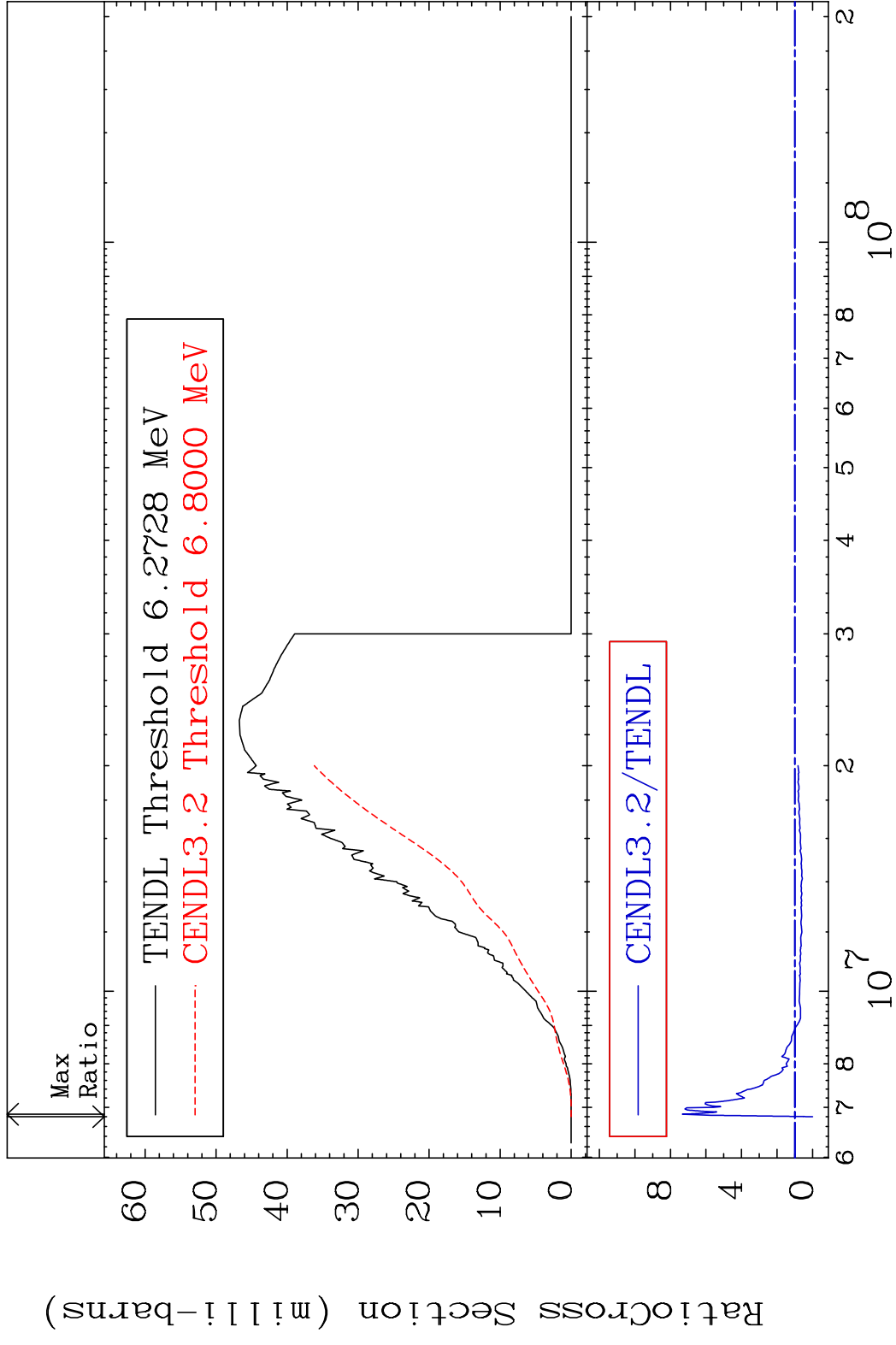
(n,p)

13-Al-27

Cross Section -100.0 To 50.70 %



MAT 1325 (n,d) 13-Al-27  
 Cross Section -100.0 To 632.9 %

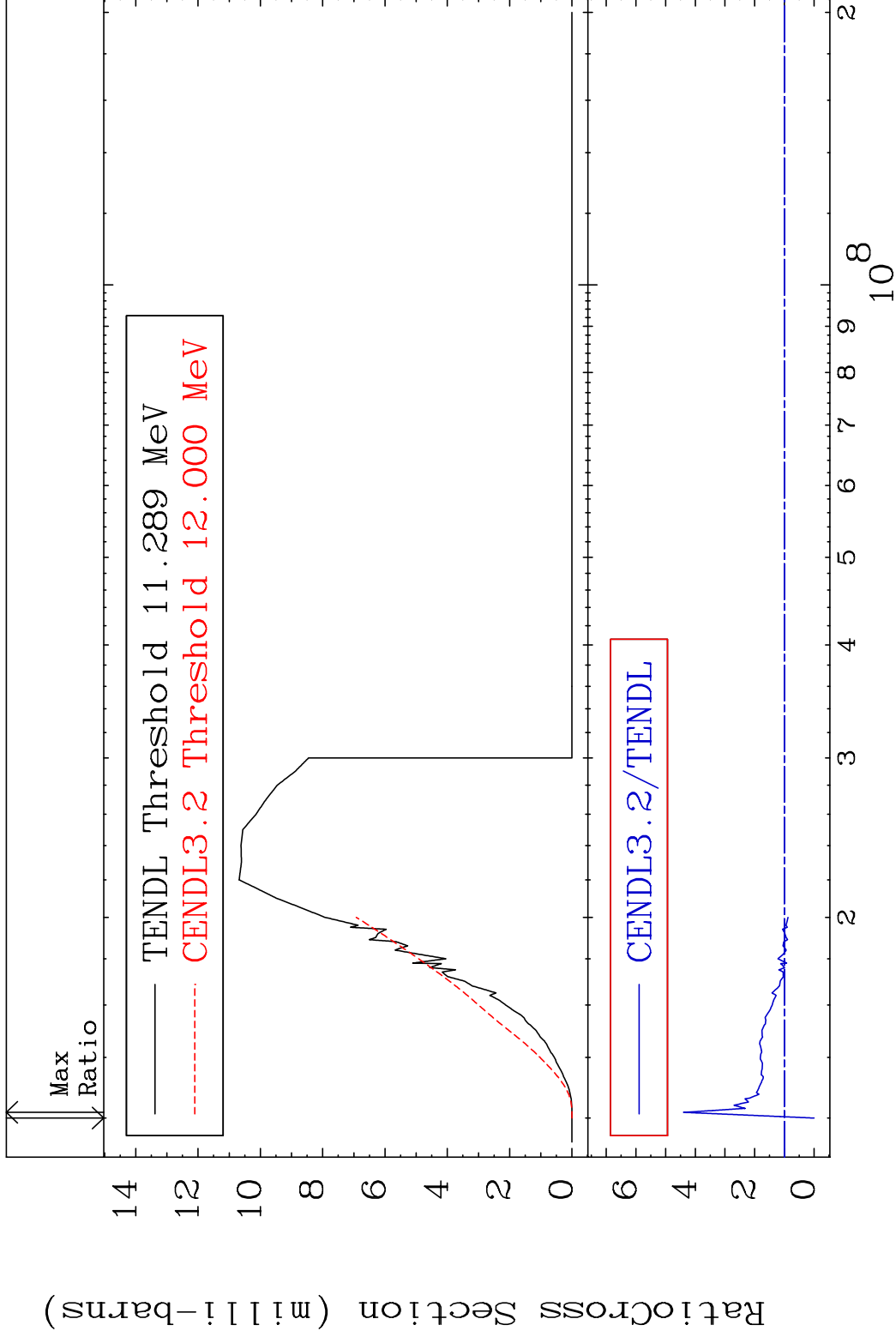


MAT 1325

(n, t)

13-A1-27

Cross Section -100.0 To 339.9 %

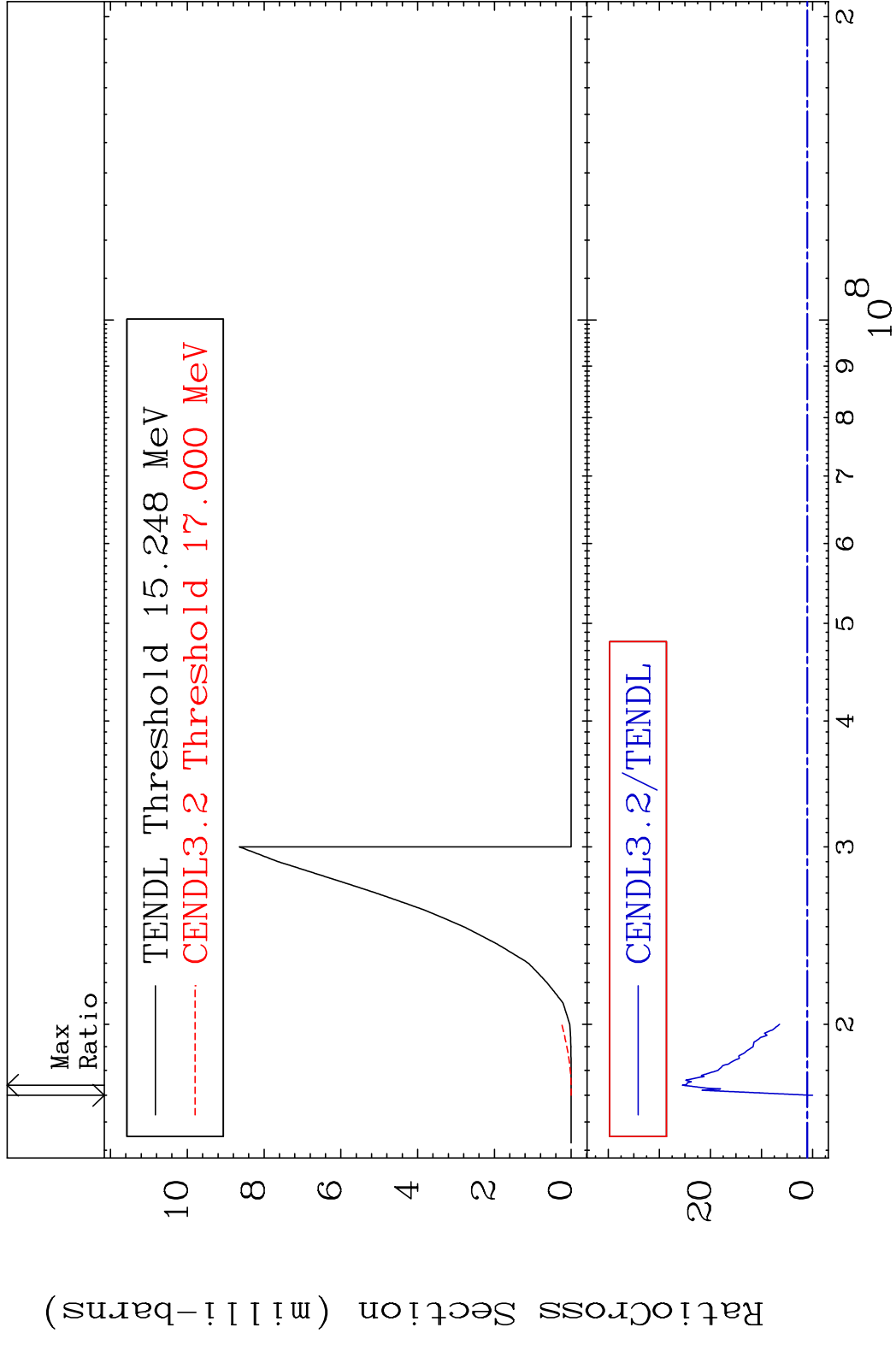


MAT 1325

(n, He-3)

13-A1-27

Cross Section -100.0 To 2450. %

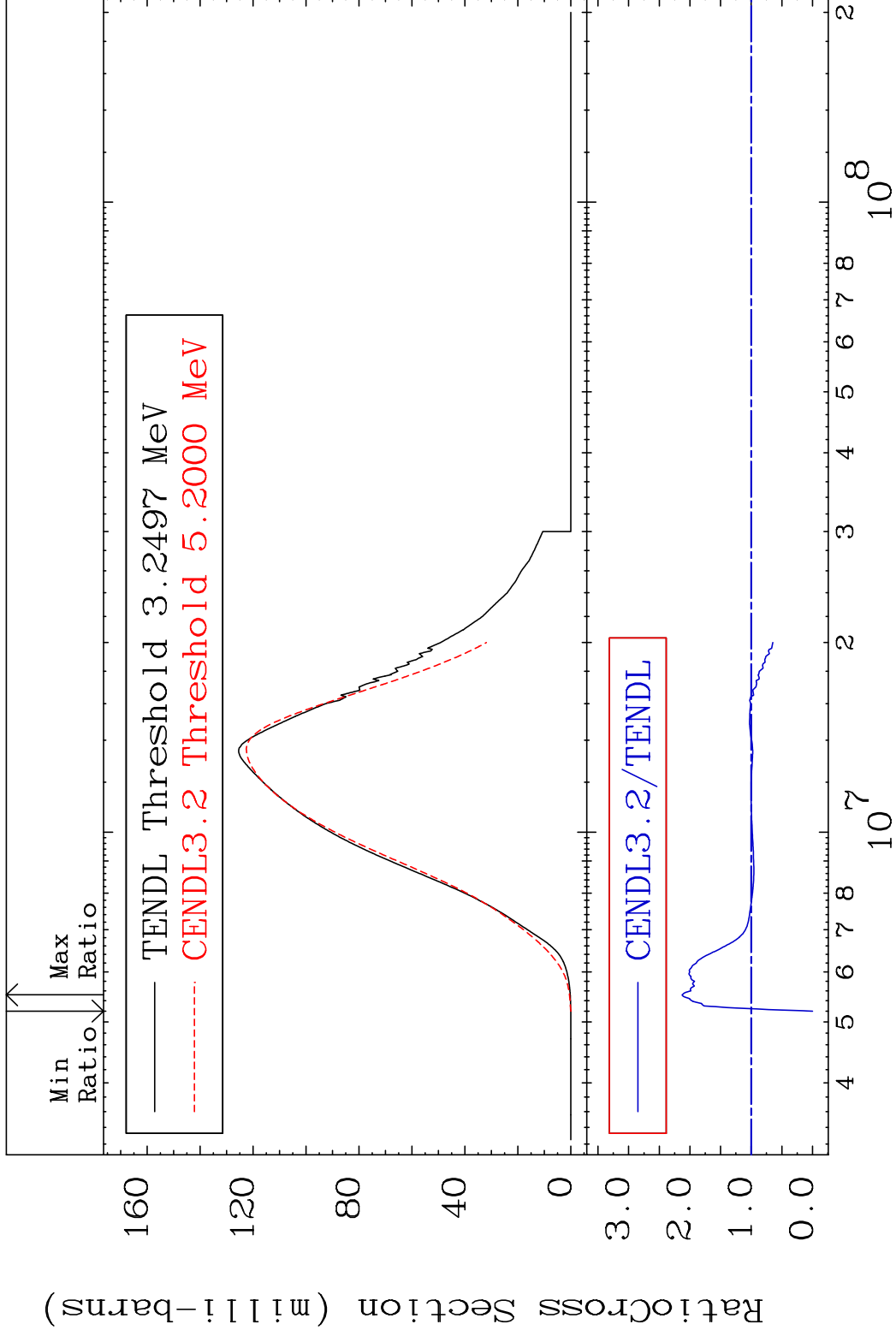


MAT 1325

(n,  $\alpha$ )

13-Al-27

Cross Section -100.0 To 112.7 %



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Incident Energy (eV)

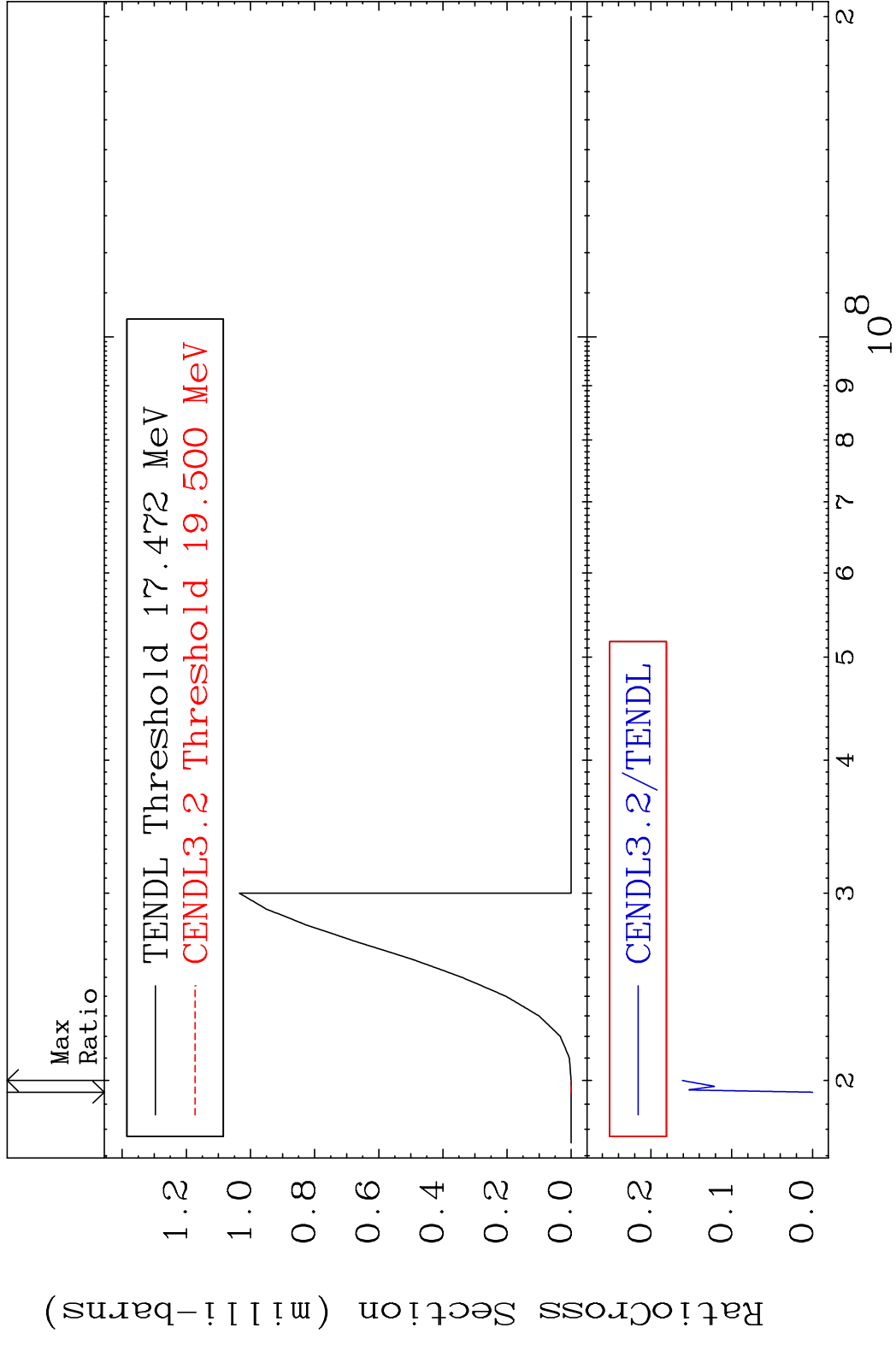
13-Al-27

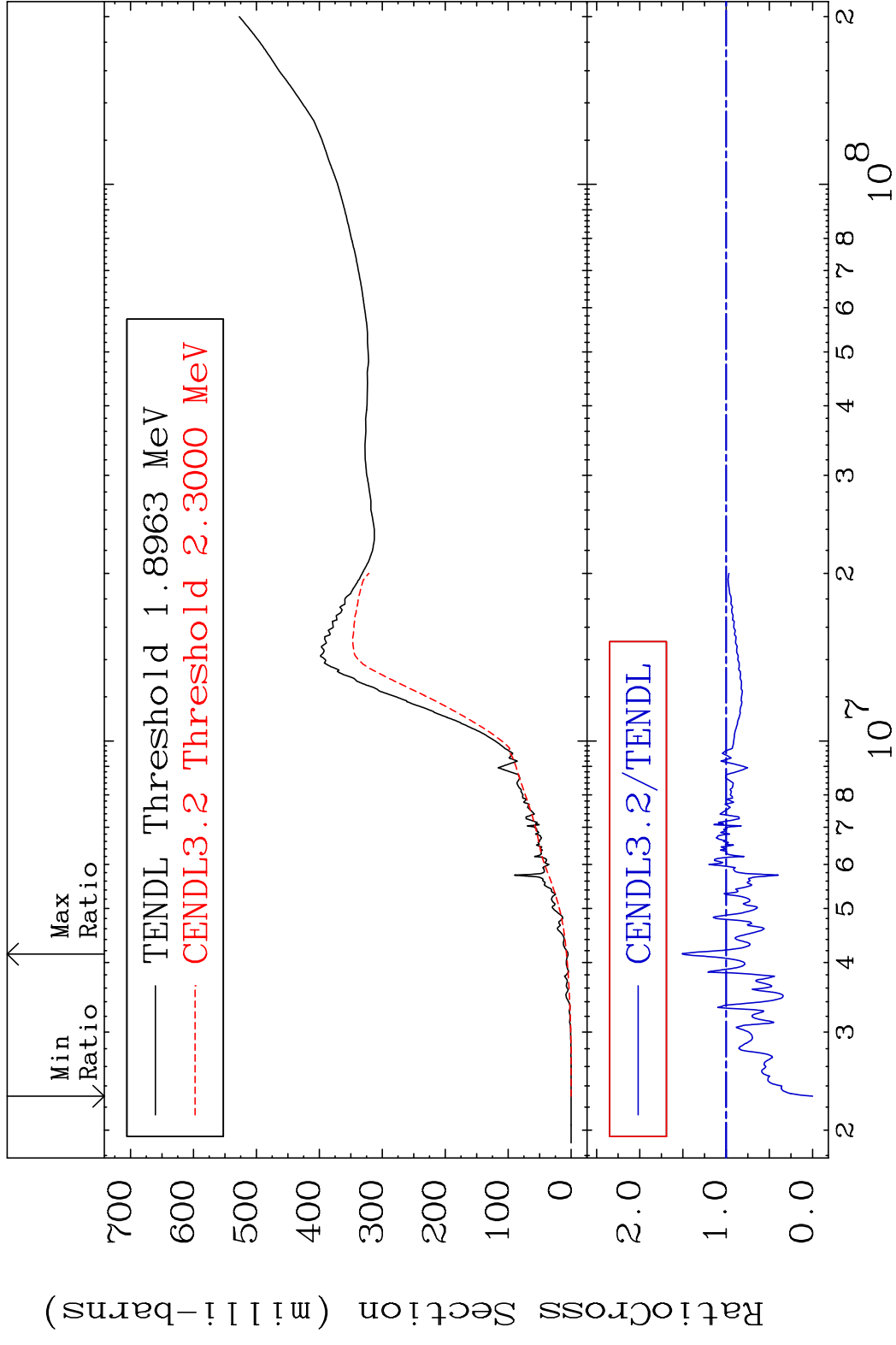
MAT 1325

(n,2p)

13-A1-27

Cross Section -100.0 To -83.90%





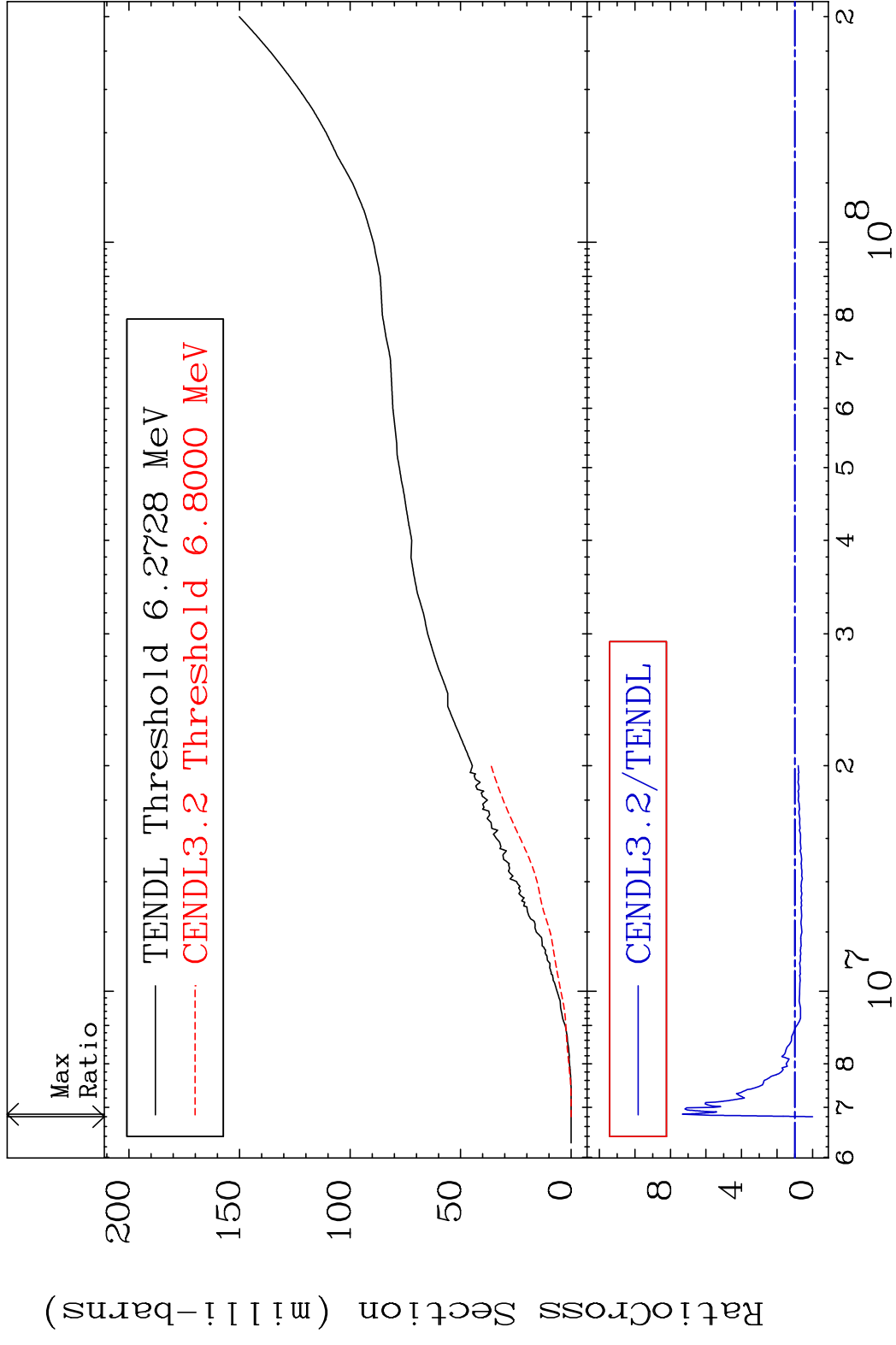


MAT 1325

Deuterium Production

13-Al-27

Cross Section -100.0 To 632.9 %

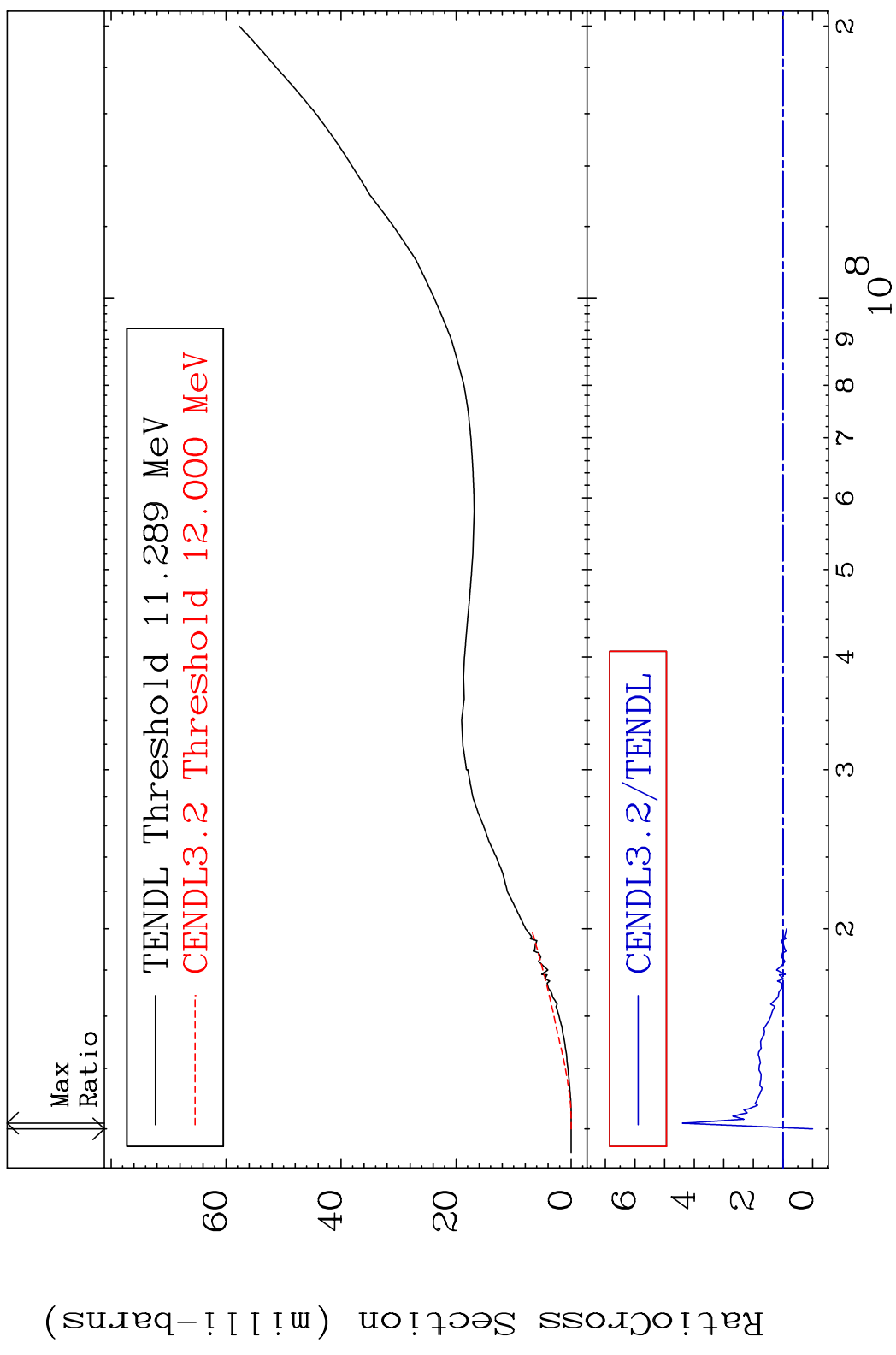


MAT 1325

Tritium Production

13-A1-27

Cross Section -100.0 To 339.9 %

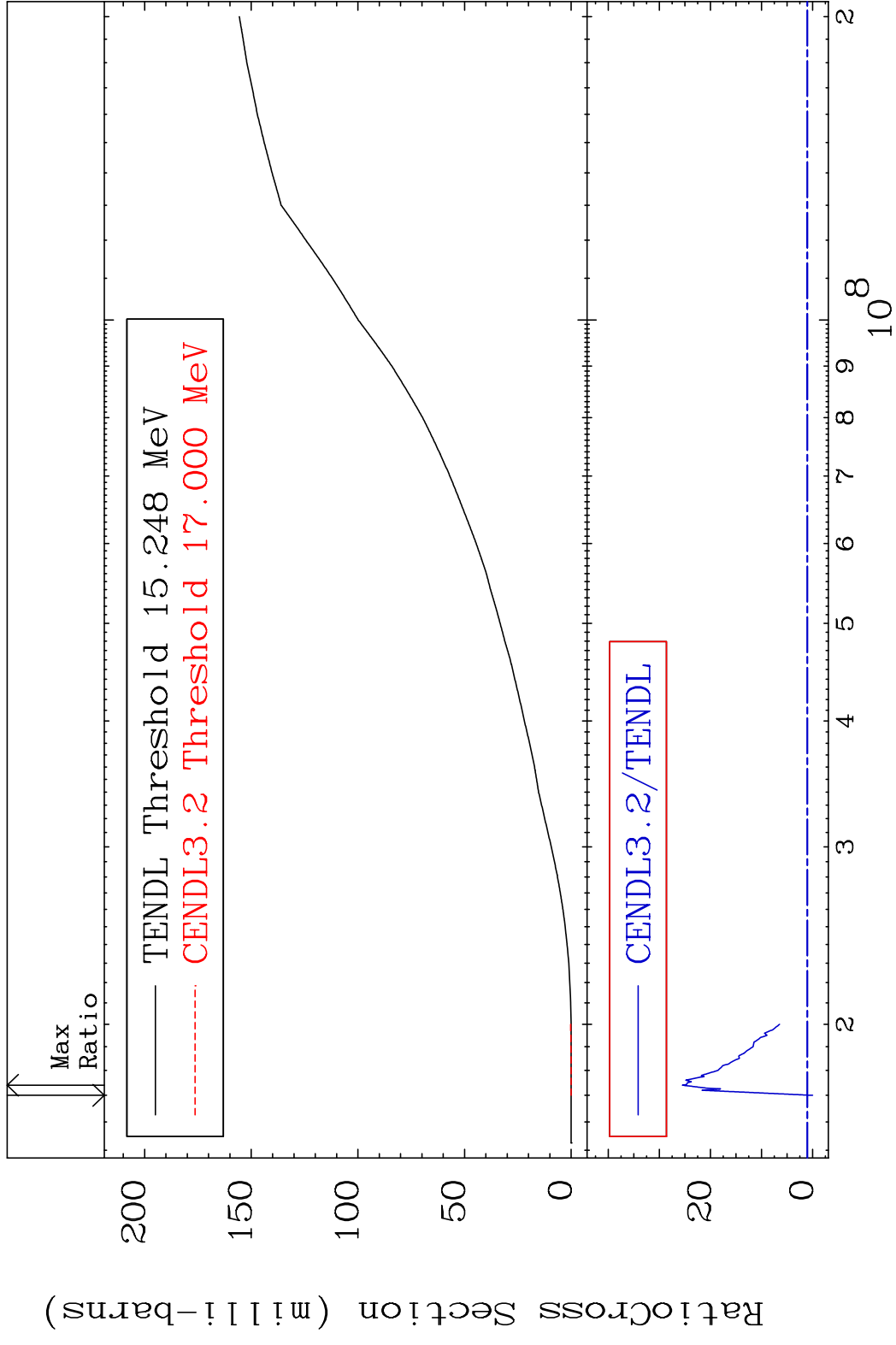


MAT 1325

He-3 Production

13-A1-27

Cross Section -100.0 To 2450. %

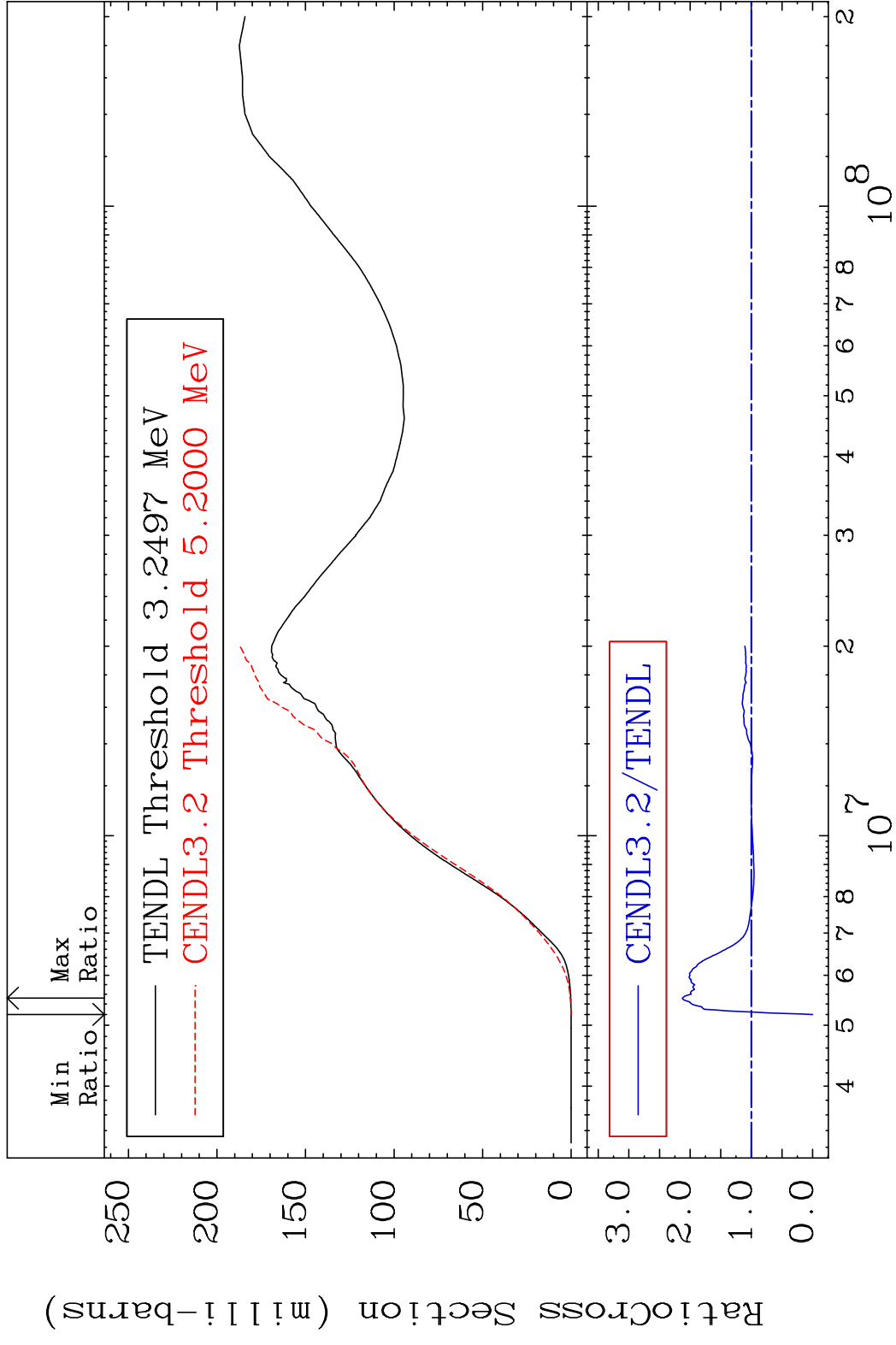


MAT 1325

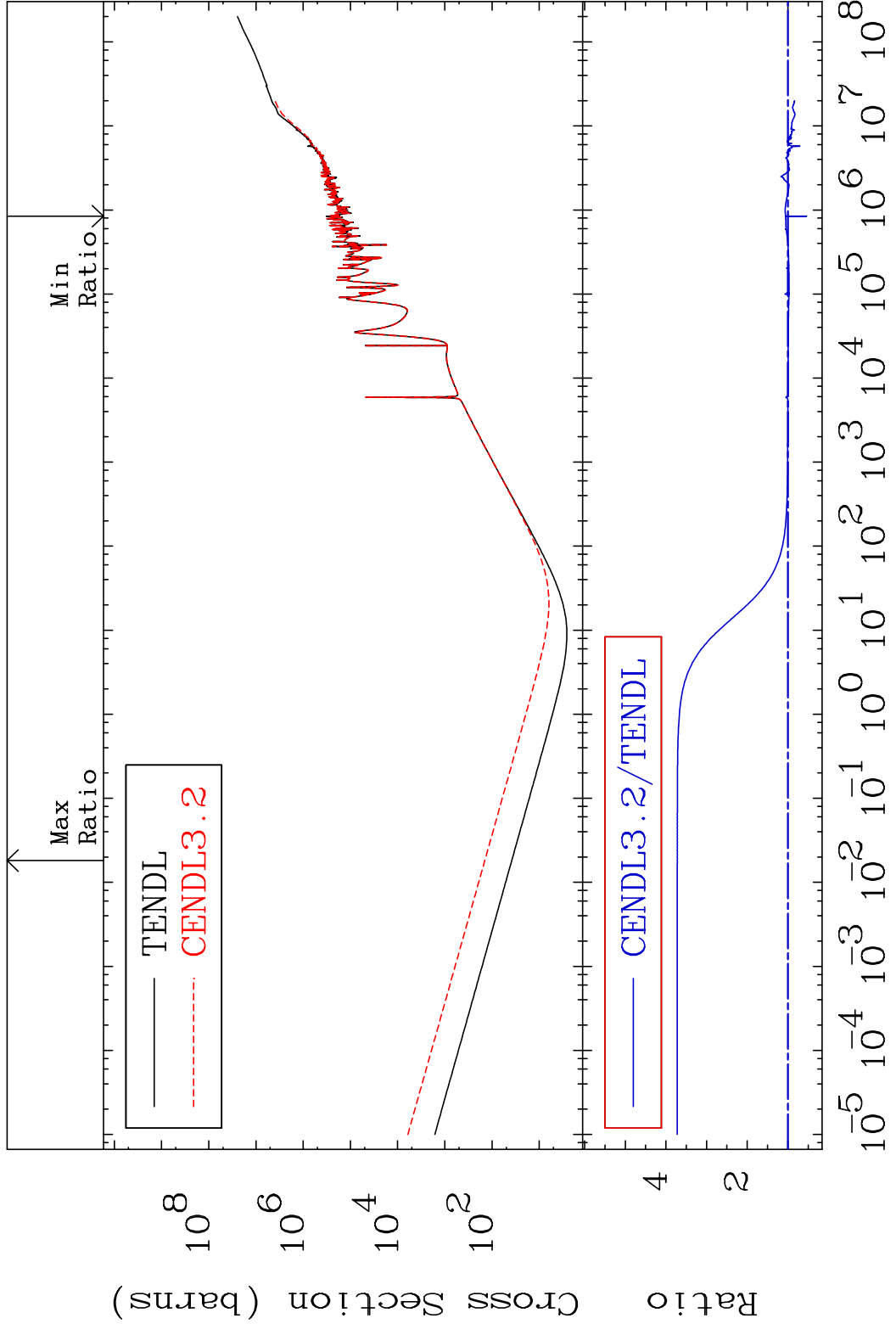
He-4 Production

13-A1-27

Cross Section -100.0 To 112.7 %



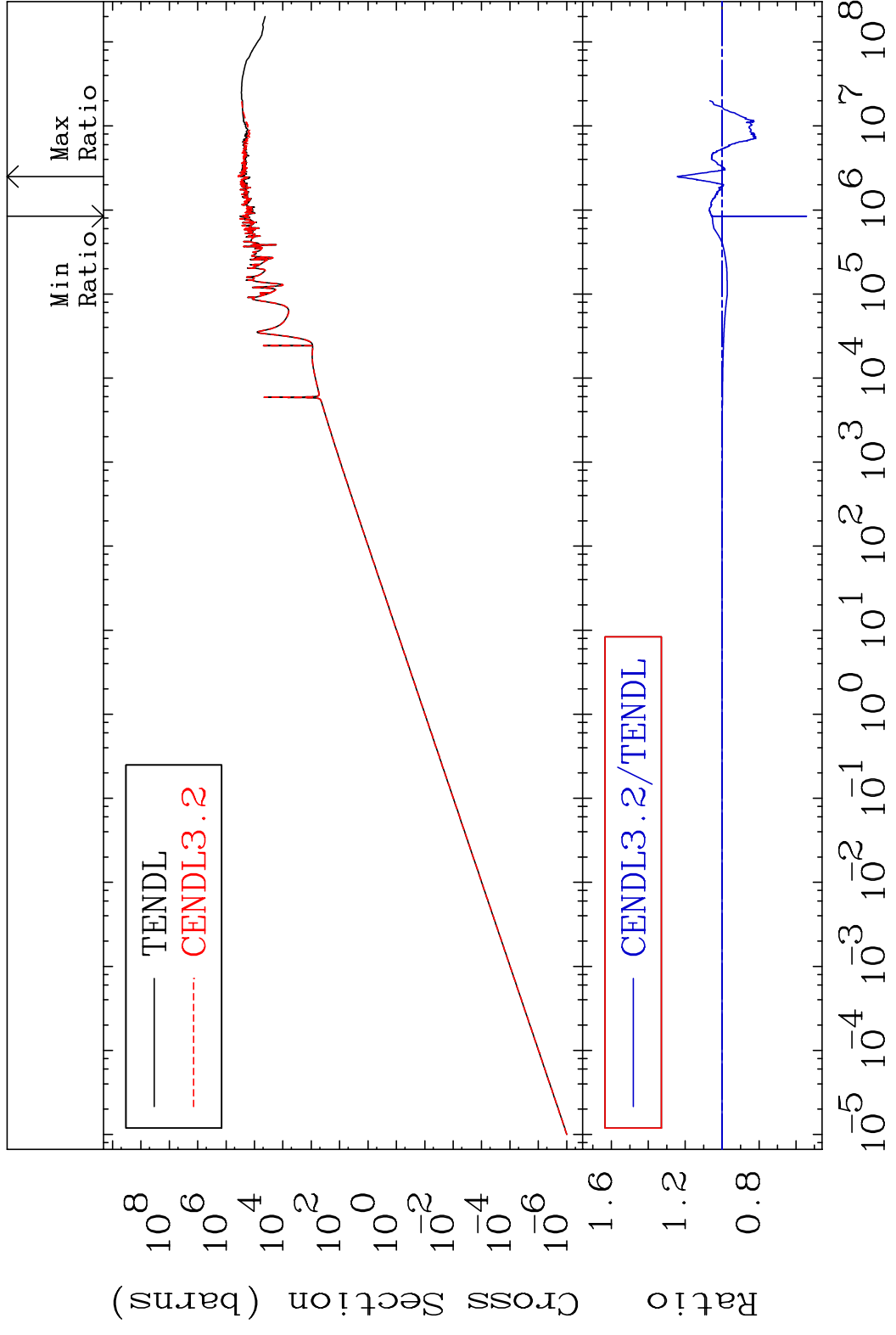
MAT 1325 Kerma total (eV-barns) 13-Al-27  
 Cross Section -45.65 To 272.3 %



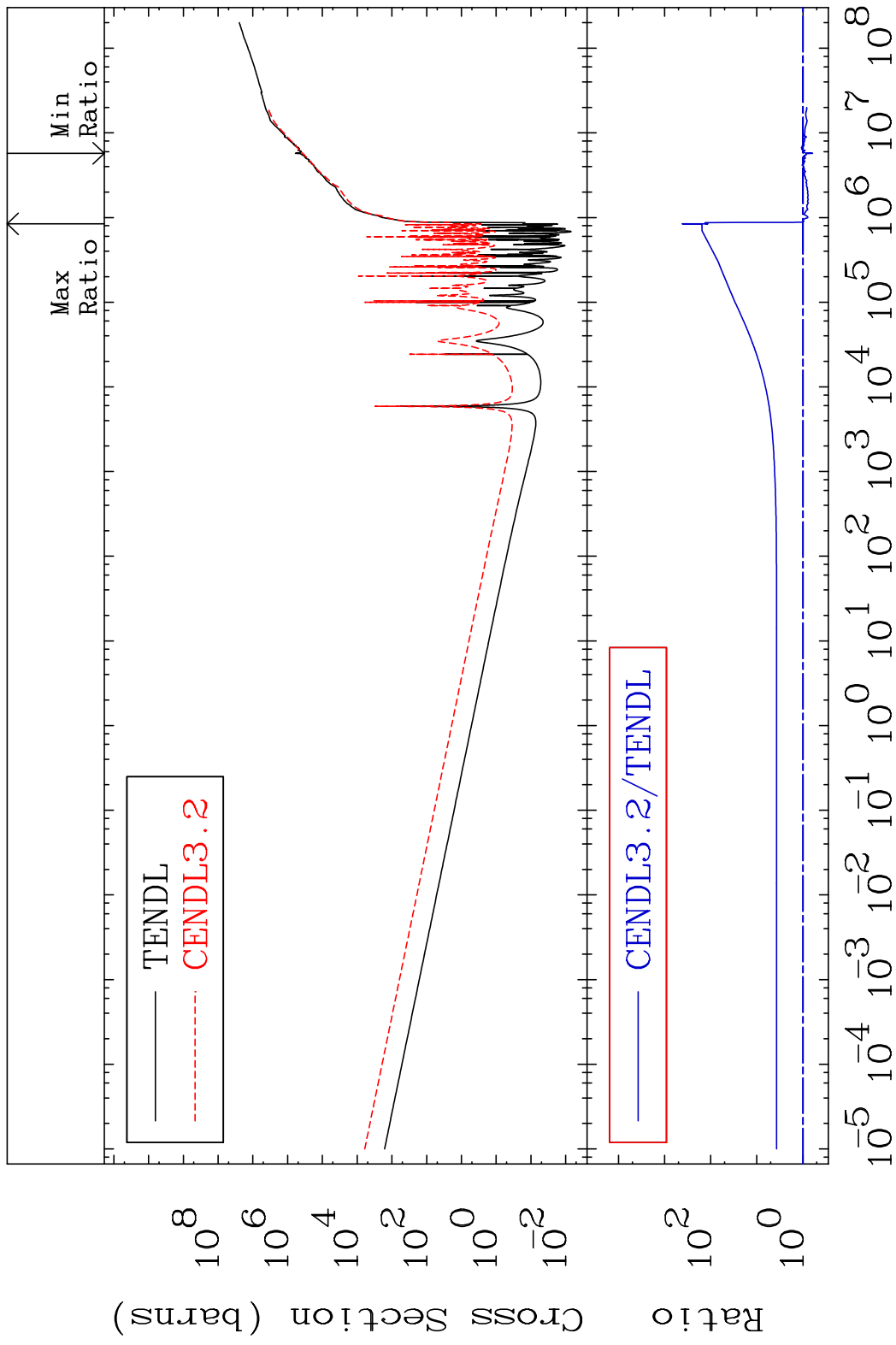
MAT 1325

Kerma elastic  
Cross Section

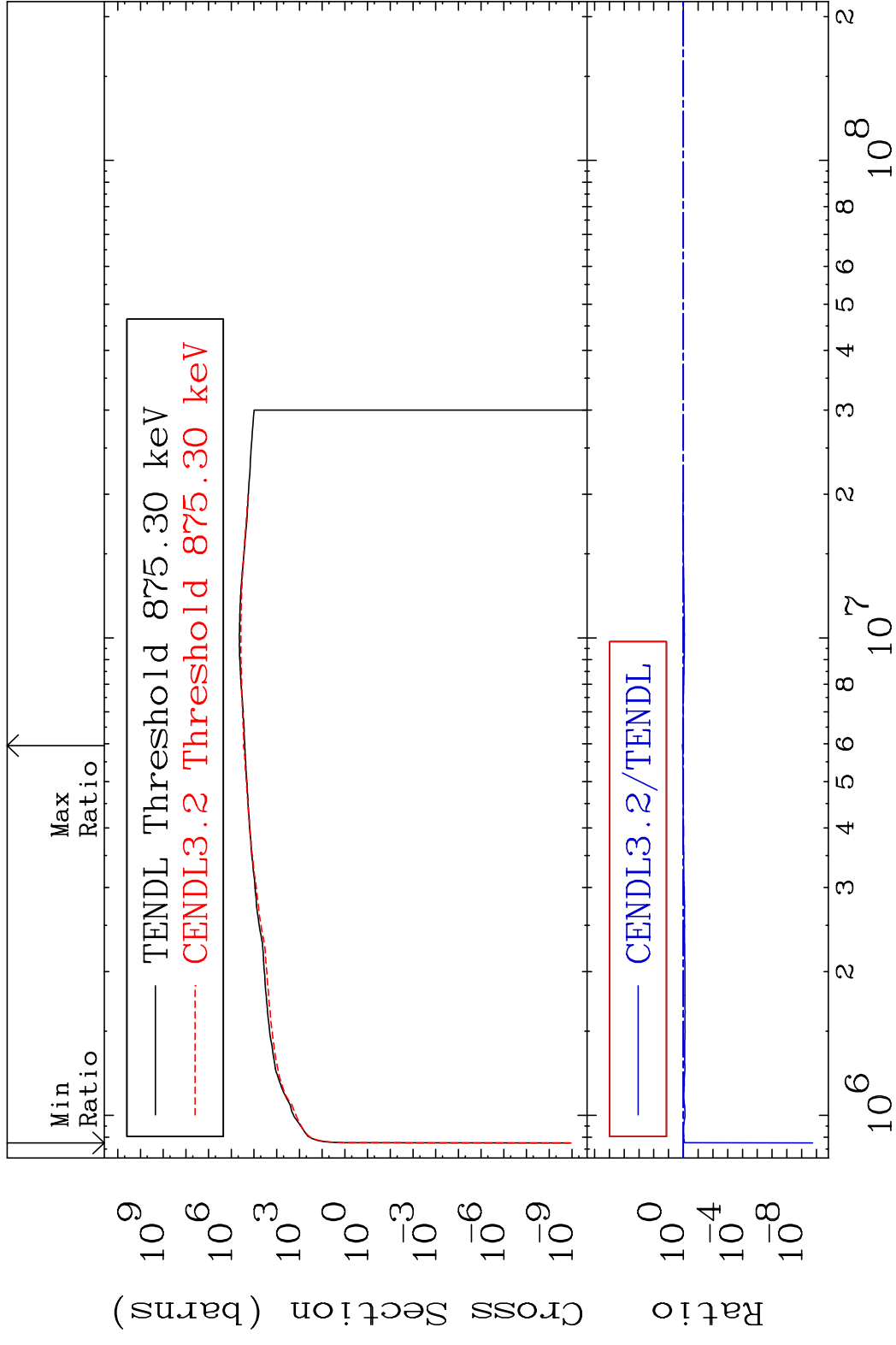
13-A1-27  
-45.66 To 24.34 %



MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27  
 Cross Section -38.13 To 9999. %

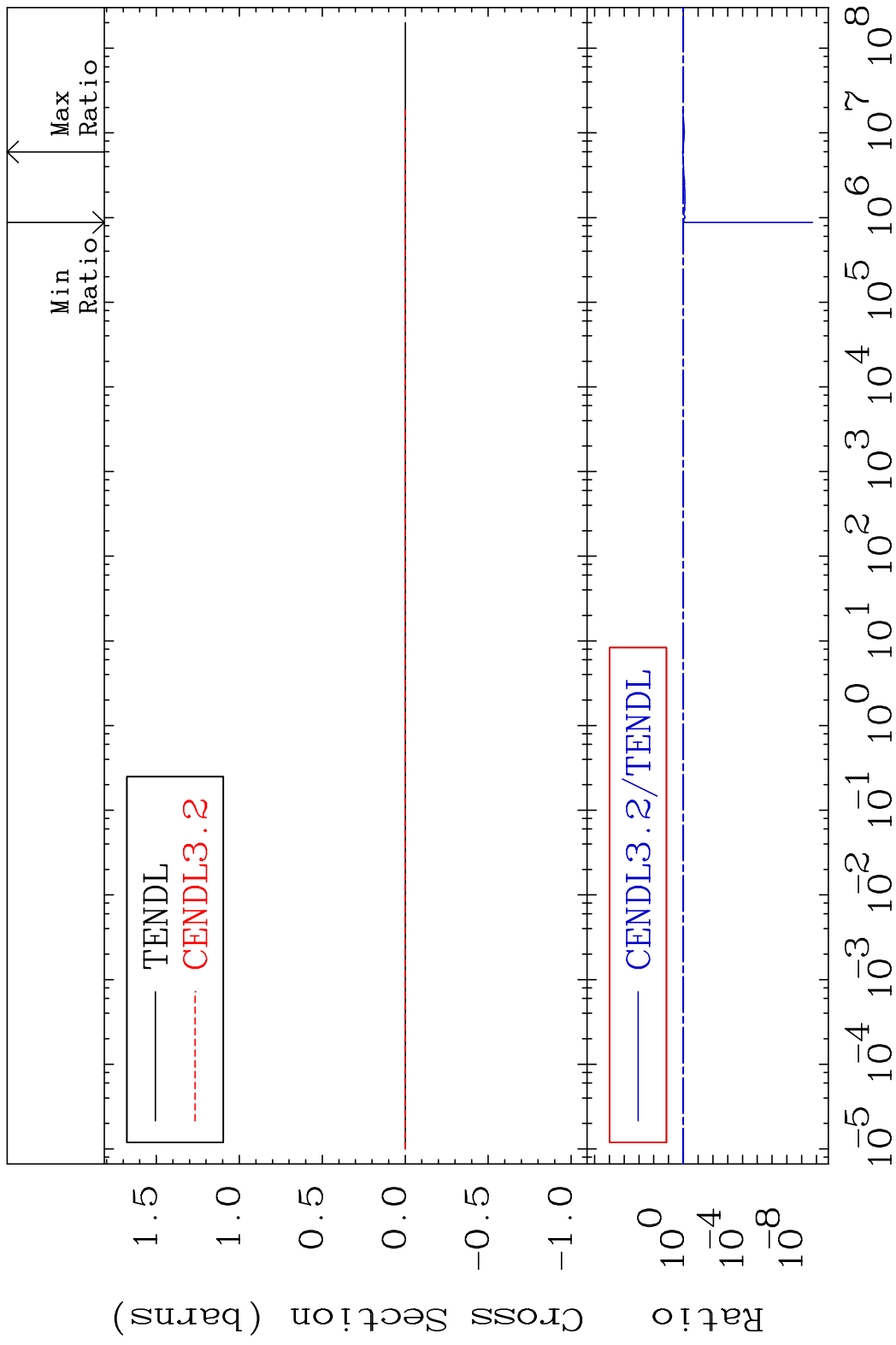


MAT 1325 Kerma inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 16.25 %



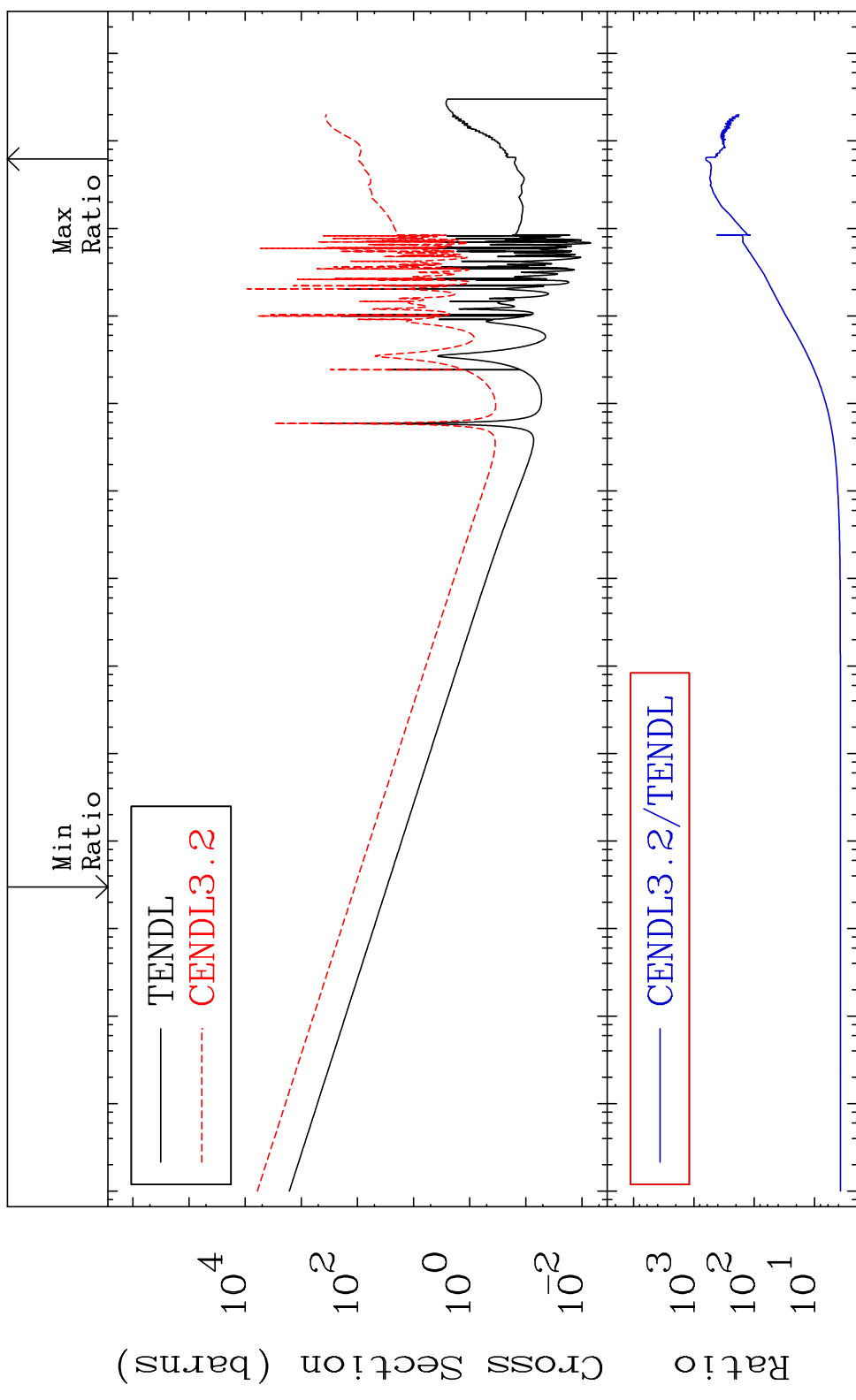


MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27  
 Cross Section -100.0 To 16.25 %



MAT 1325

Kerma capture (mt102) 13-A1-27  
Cross Section 271.6 To 9999. %



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

41

Incident Energy (eV)

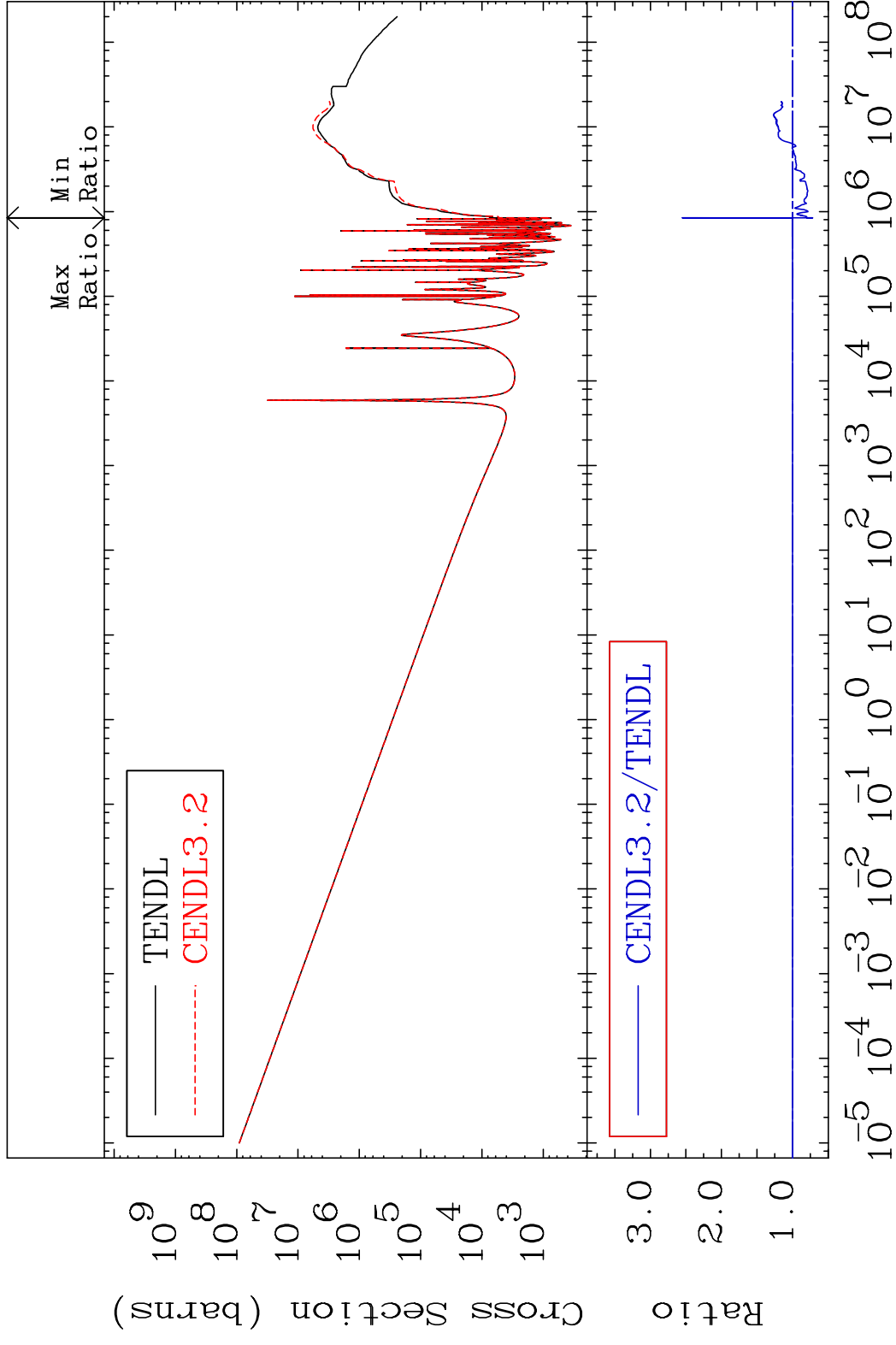
13-A1-27

MAT 1325

Total photon (eV-barns)

13-A1-27

Cross Section -28.09 To 155.0 %

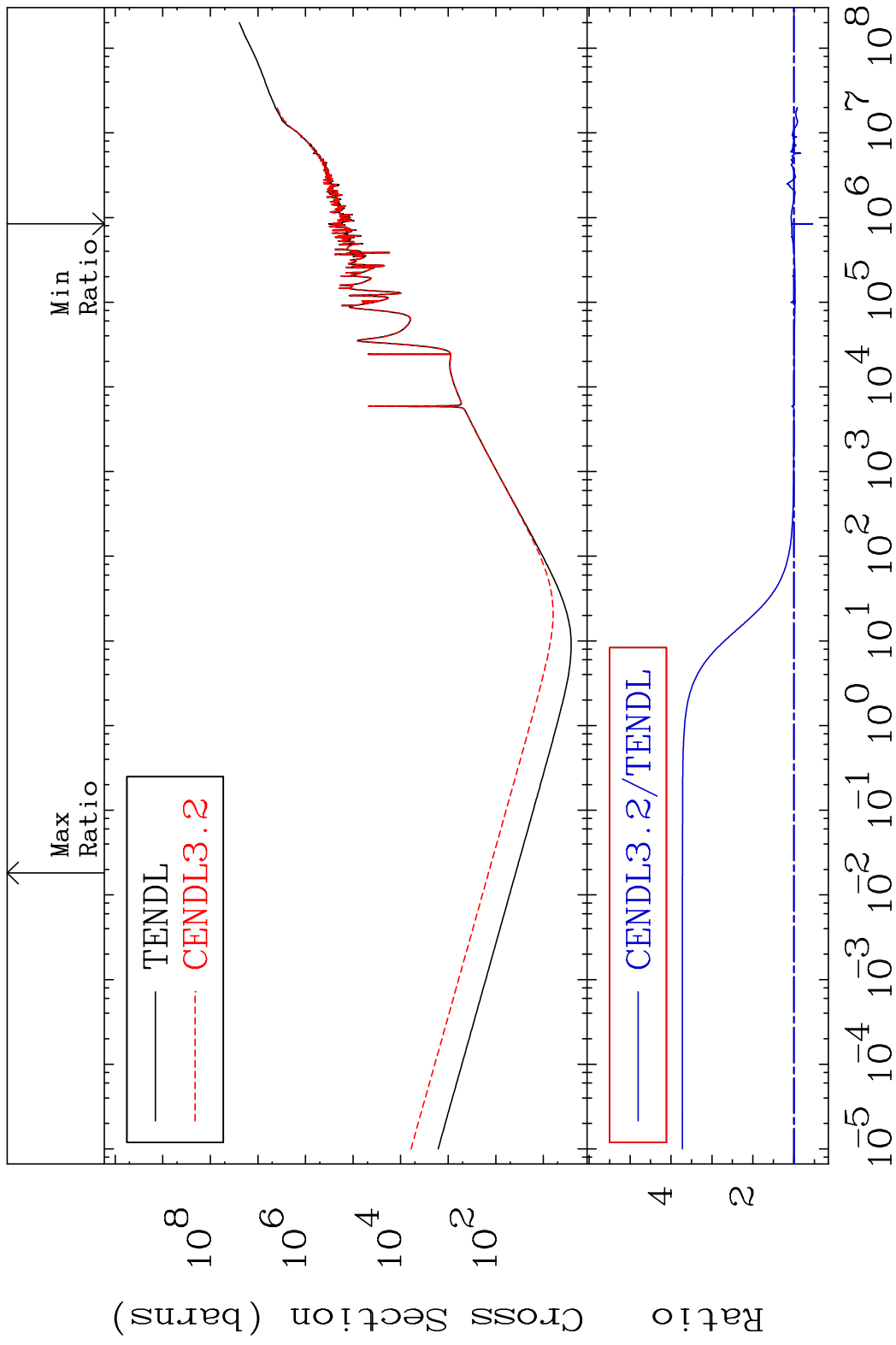


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Incident Energy (eV)

13-A1-27

MAT 1325 Total kinematic kerma (high limit) 13-A1-27  
 Cross Section -45.65 To 272.3 %

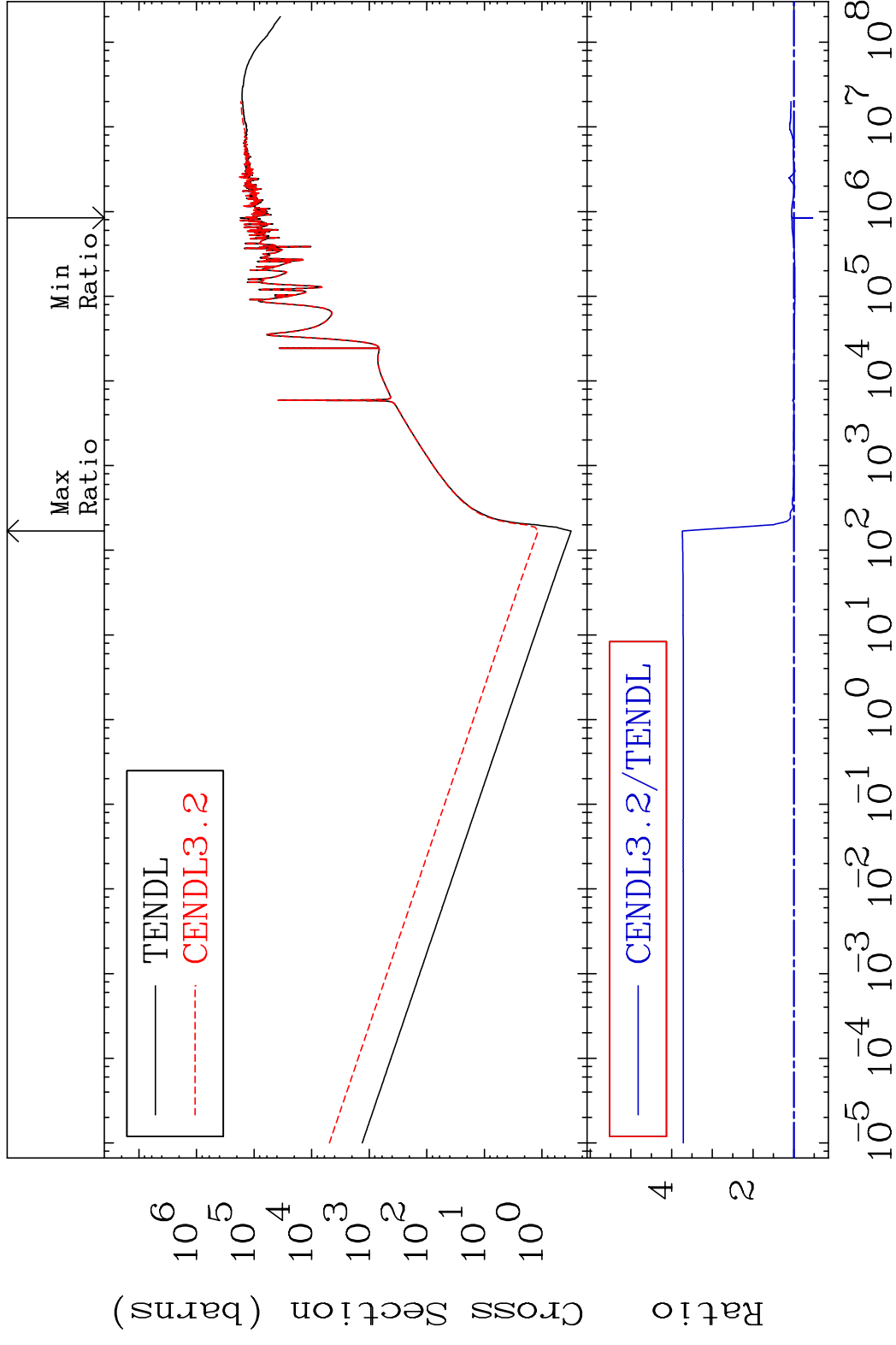


MAT 1325

Dpa total (eV-barns)

13-A1-27

Cross Section -46.04 To 273.7 %



44

Incident Energy (eV)

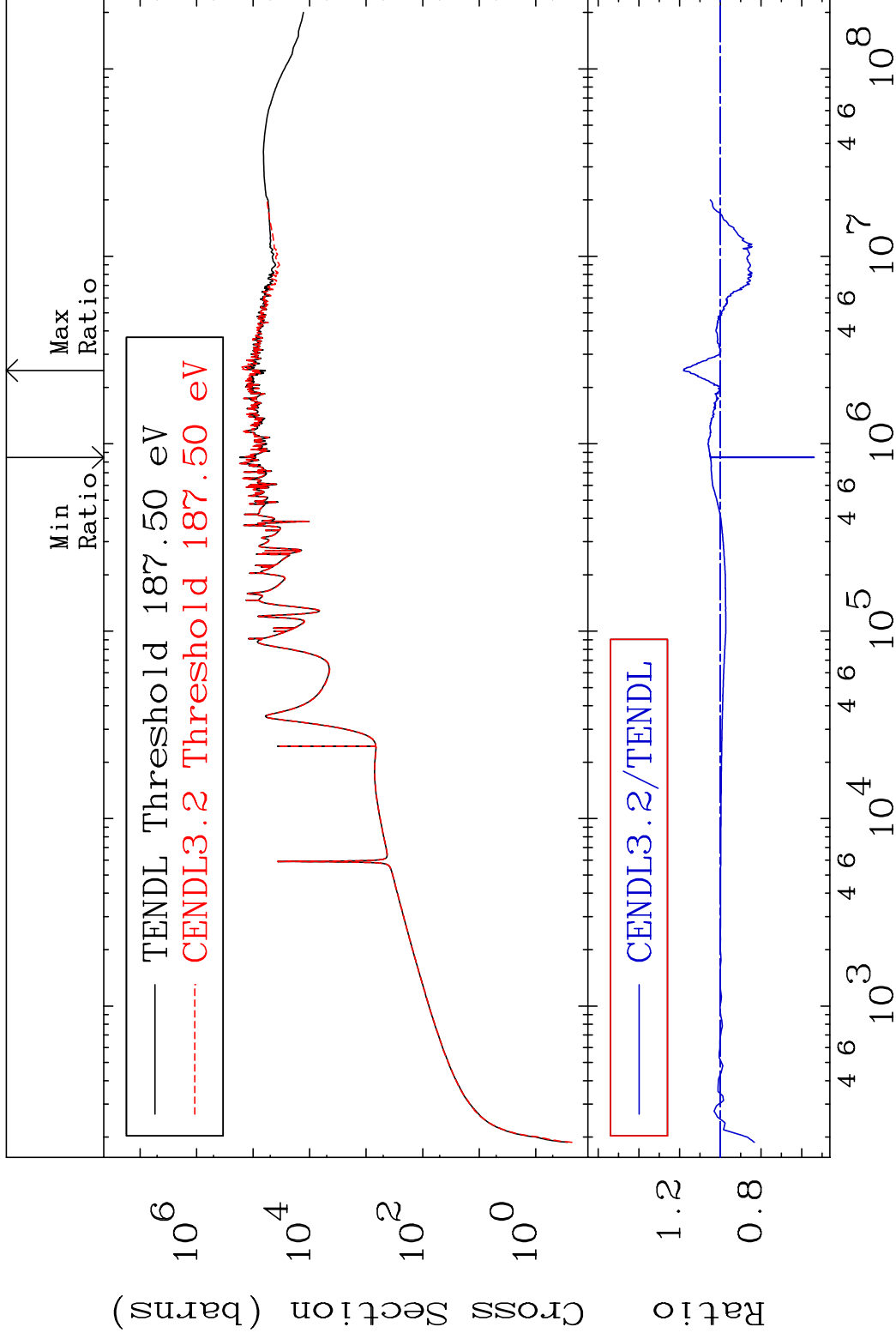
13-A1-27

MAT 1325

Dpa elastic (mt2)

13-A1-27

Cross Section -46.04 To 18.13 %



45

Incident Energy (eV)

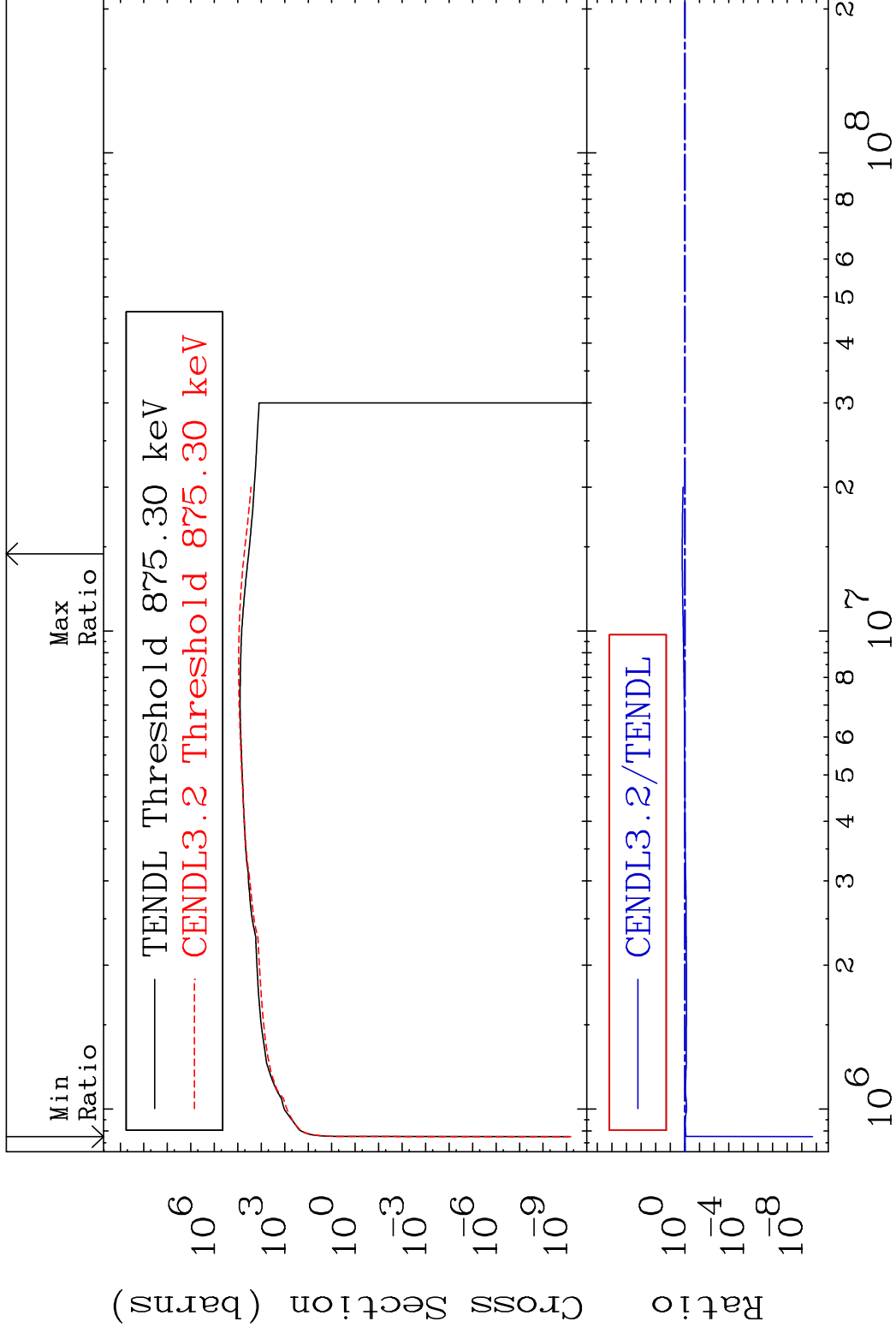
13-A1-27

MAT 1325

Dpa inelastic (mt51-91)

13-Al-27

Cross Section -100.0 To 54.67 %

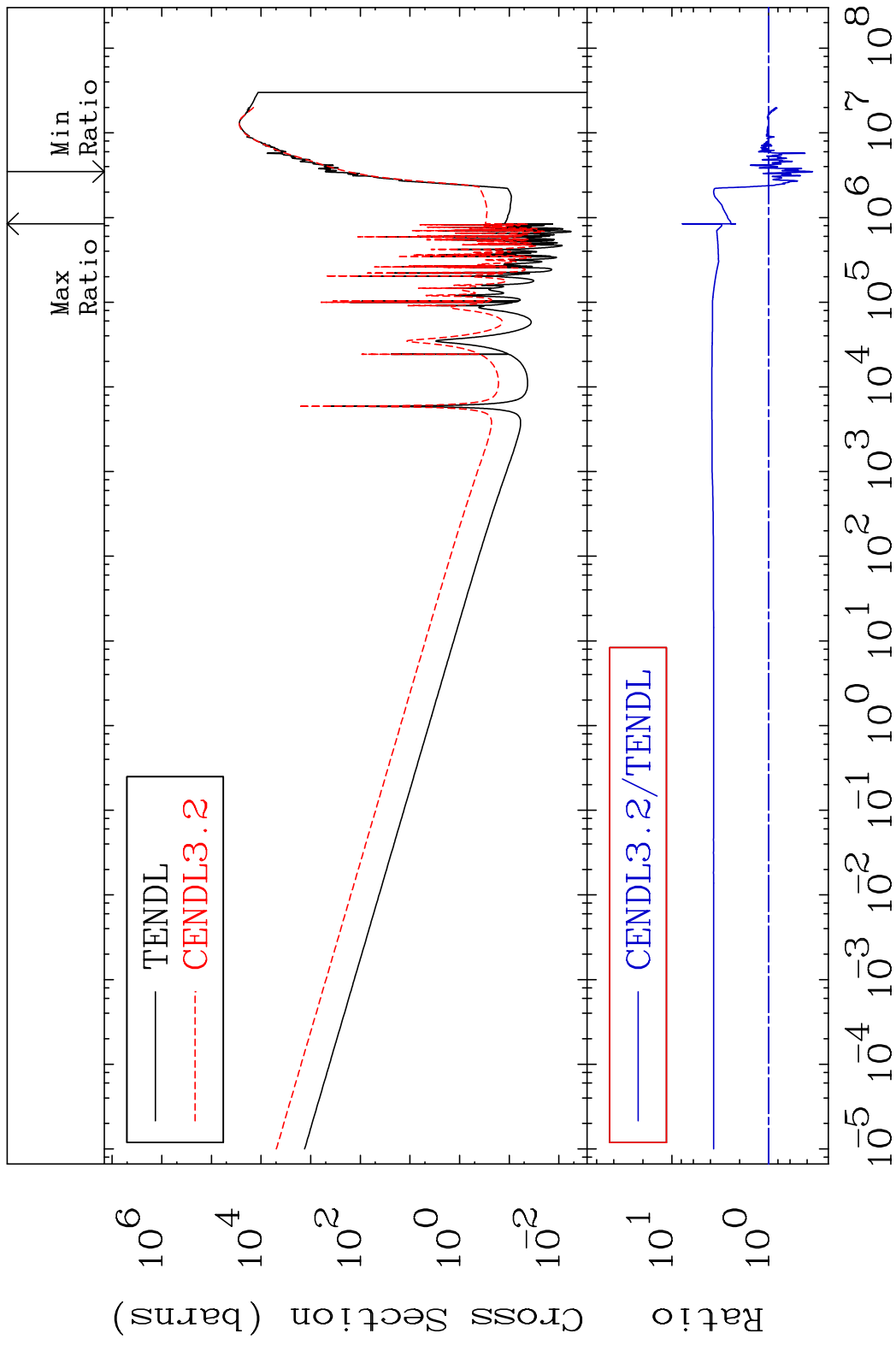


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Incident Energy (eV)

13-Al-27

MAT 1325 Dpa disappearance (mt102 -120) 13-A1-27  
 Cross Section -64.84 To 680.8 %



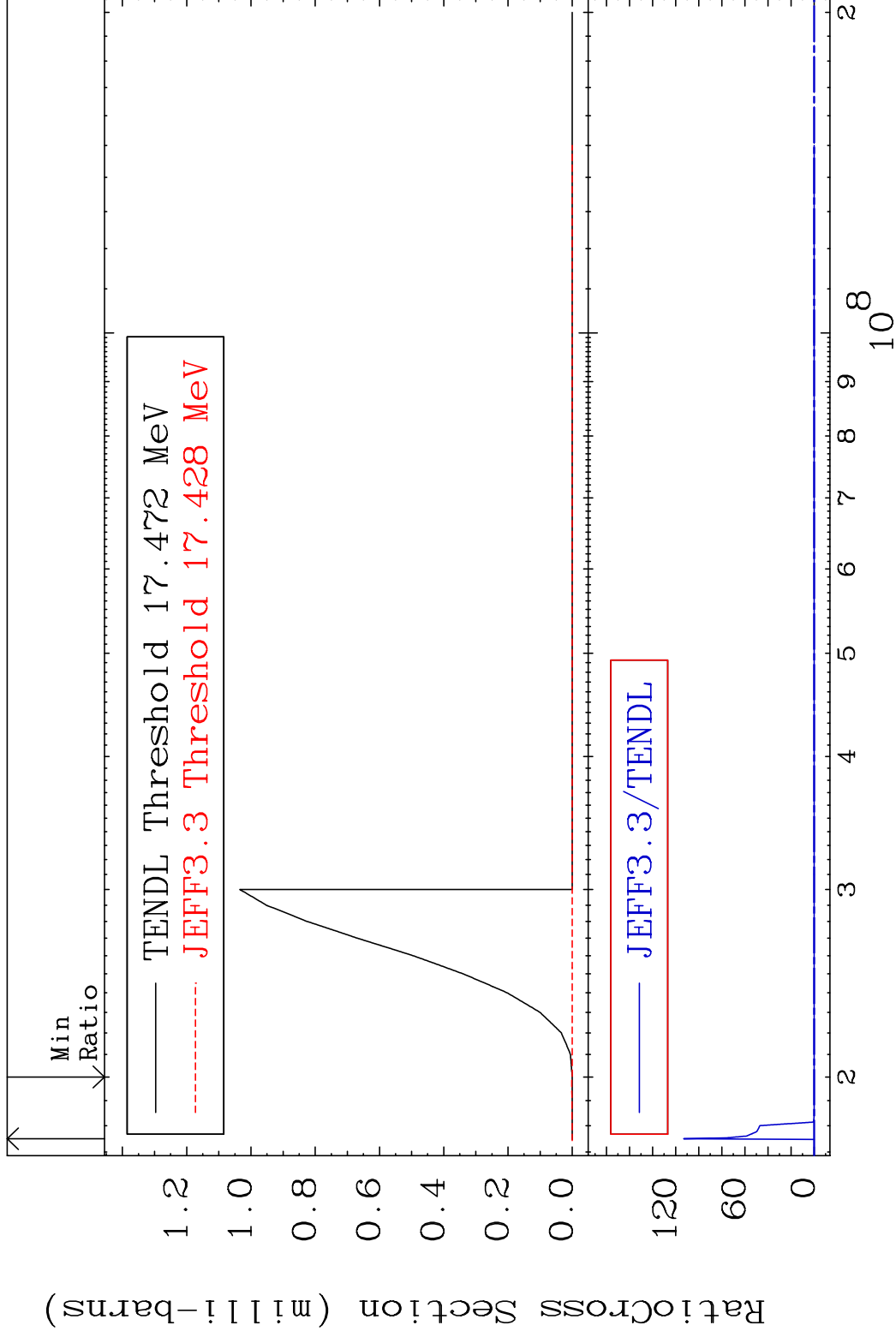


MAT 1325

(n,2p)

13-A1-27

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

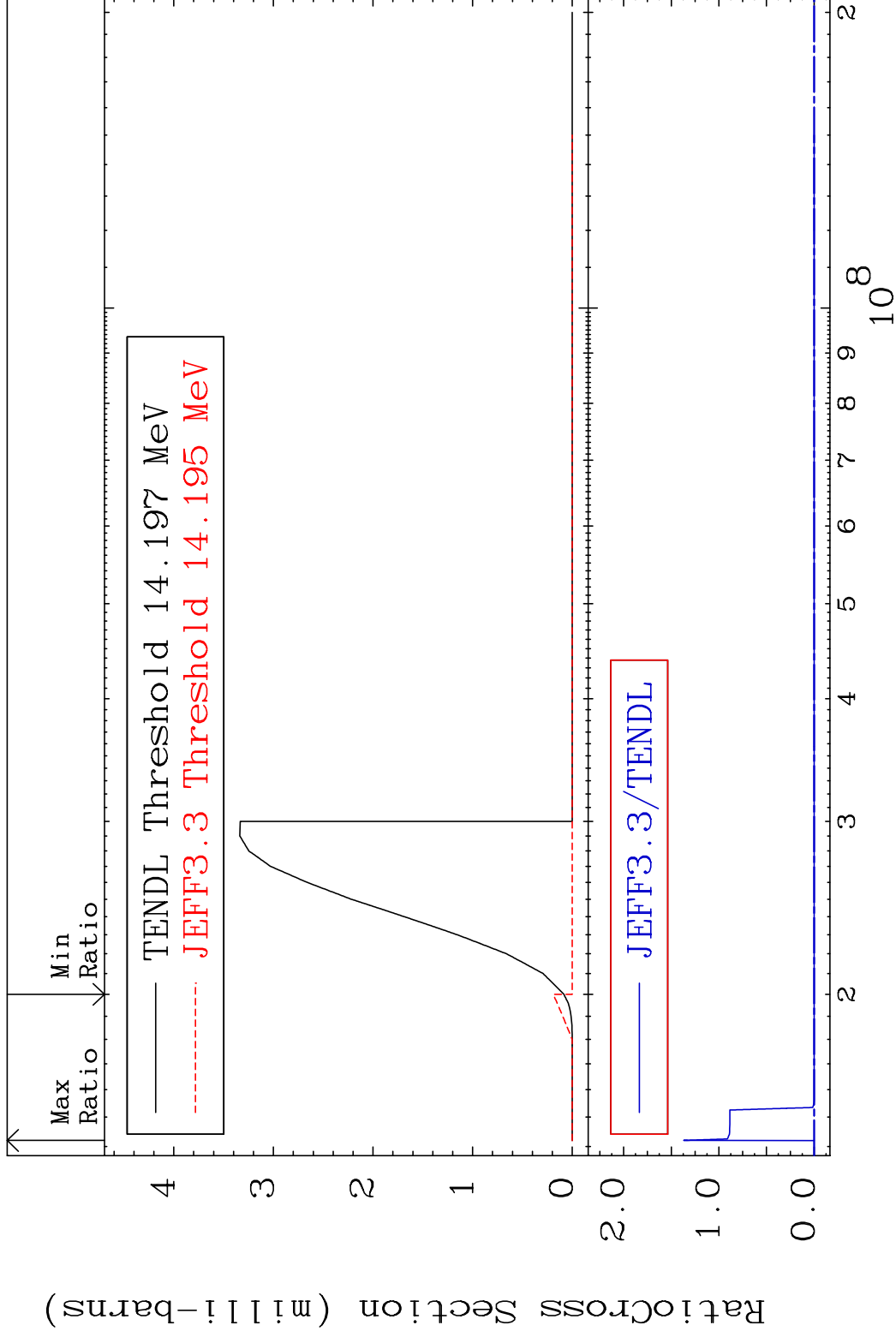
13-A1-27

MAT 1325

(n,p)  $\alpha$

13-Al-27

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

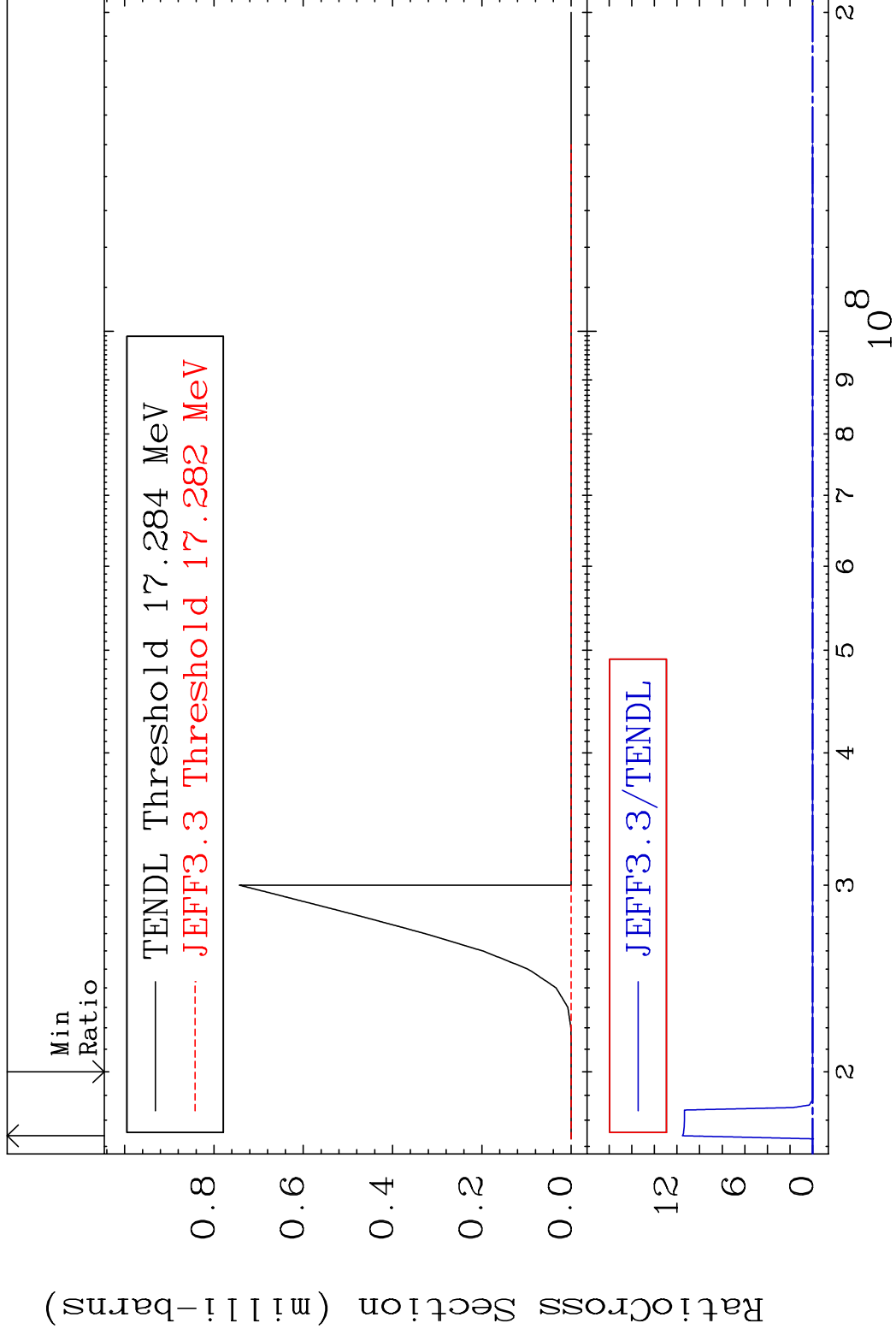
13-Al-27

MAT 1325

(n,d)  $\alpha$

13-Al-27

Cross Section -100.0 To 9999. %

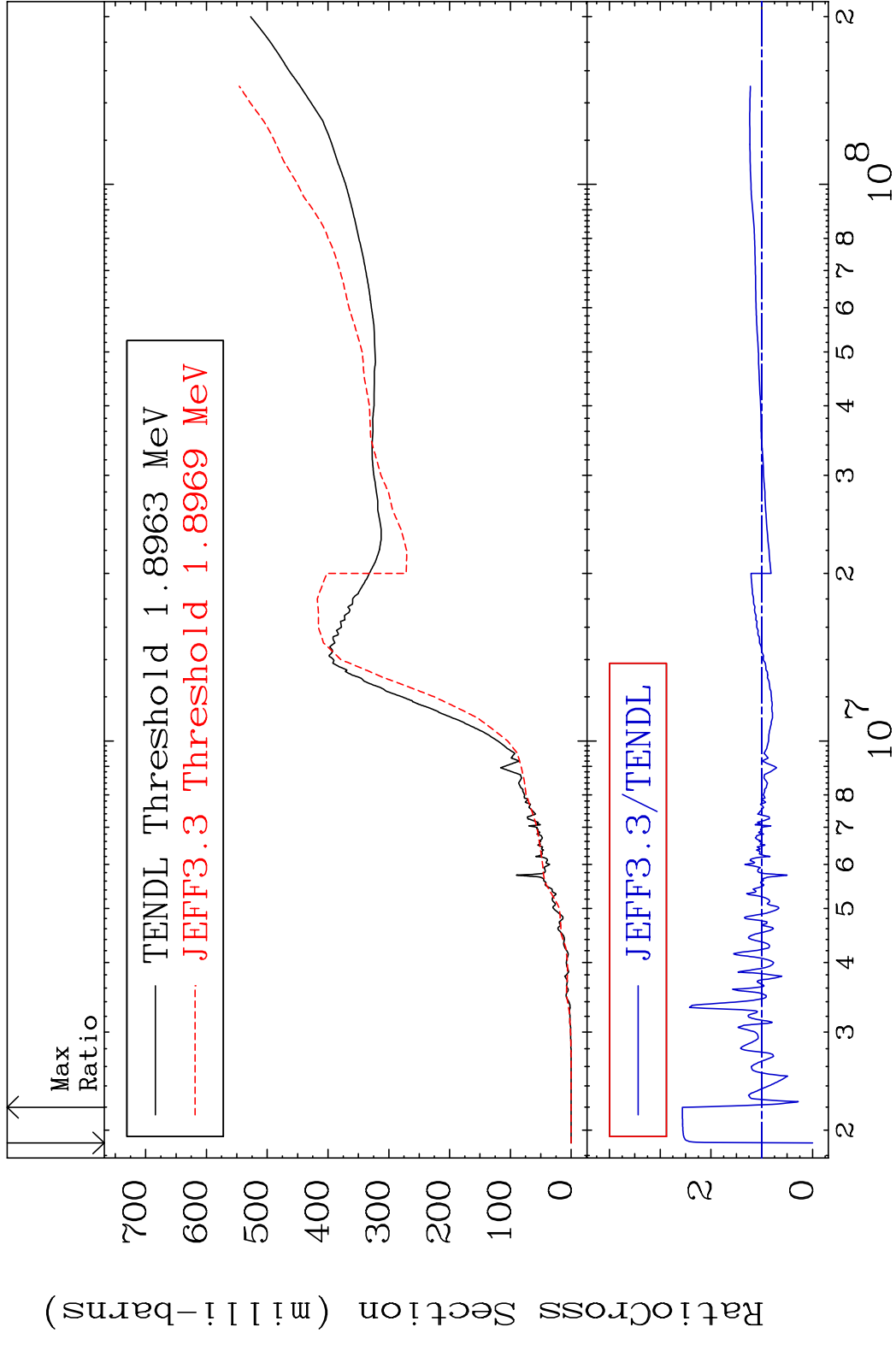


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Incident Energy (eV)

13-Al-27

Cross Section -100.0 To 156.4 %

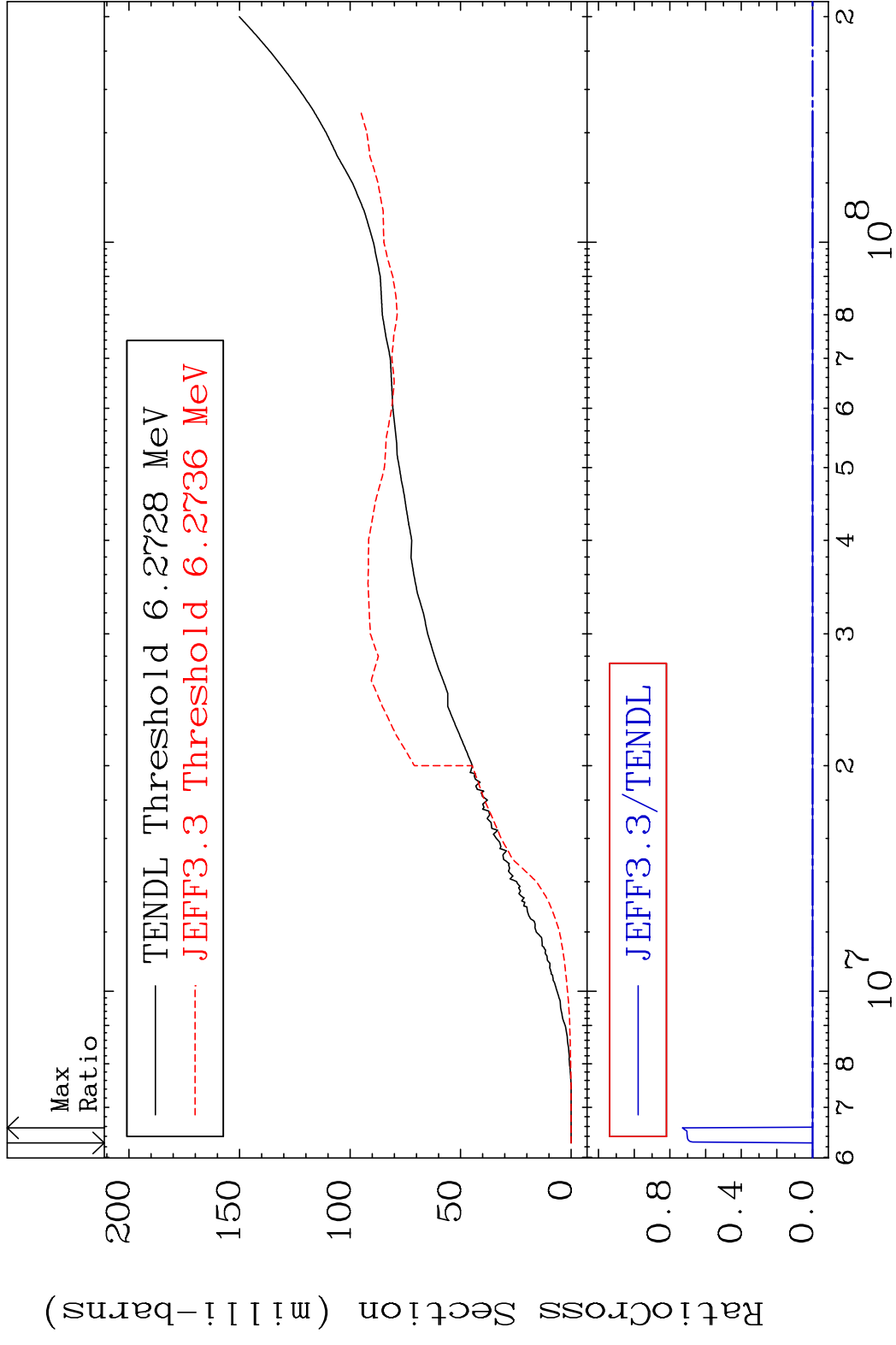


MAT 1325

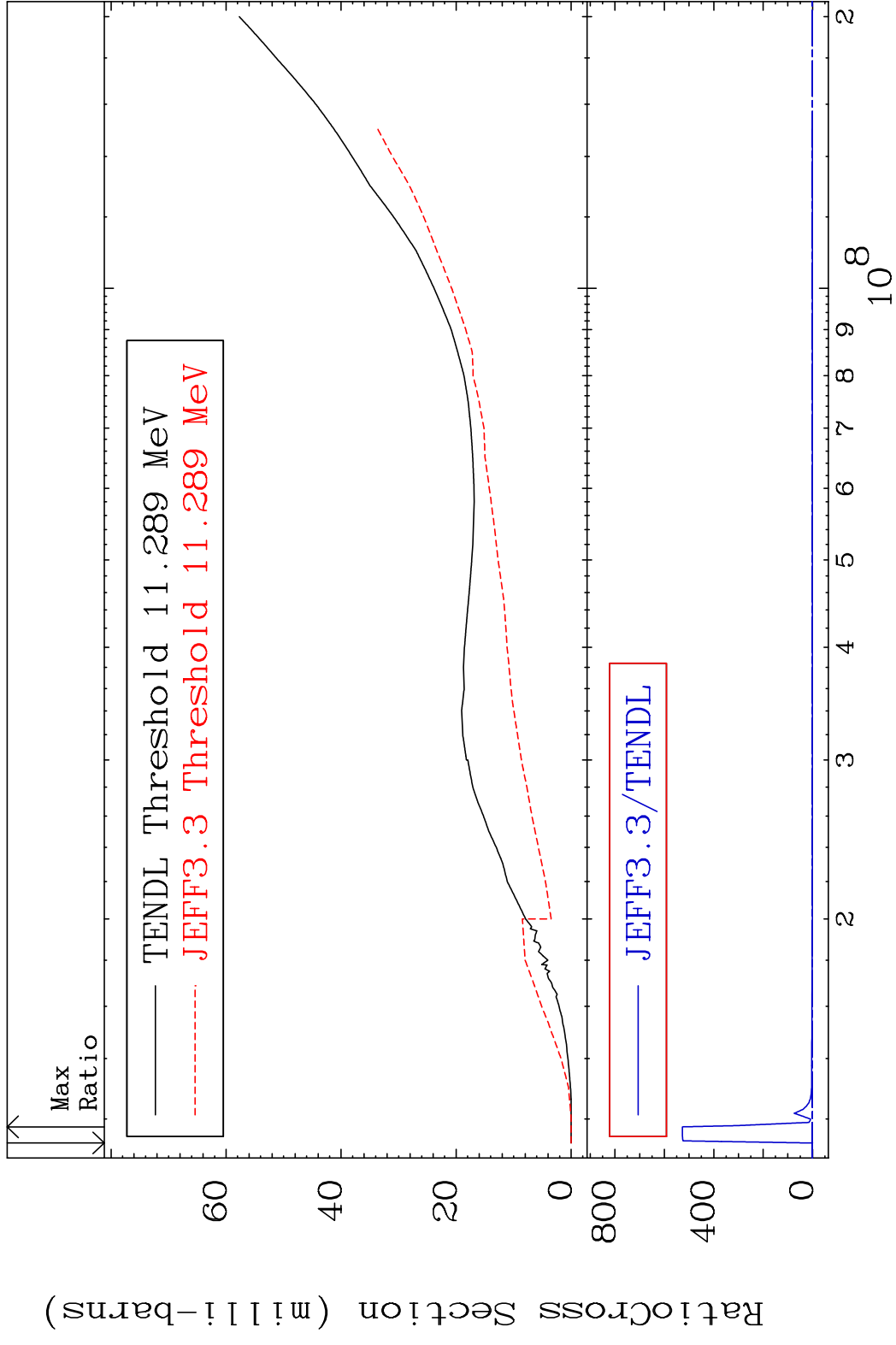
Deuterium Production

13-Al-27

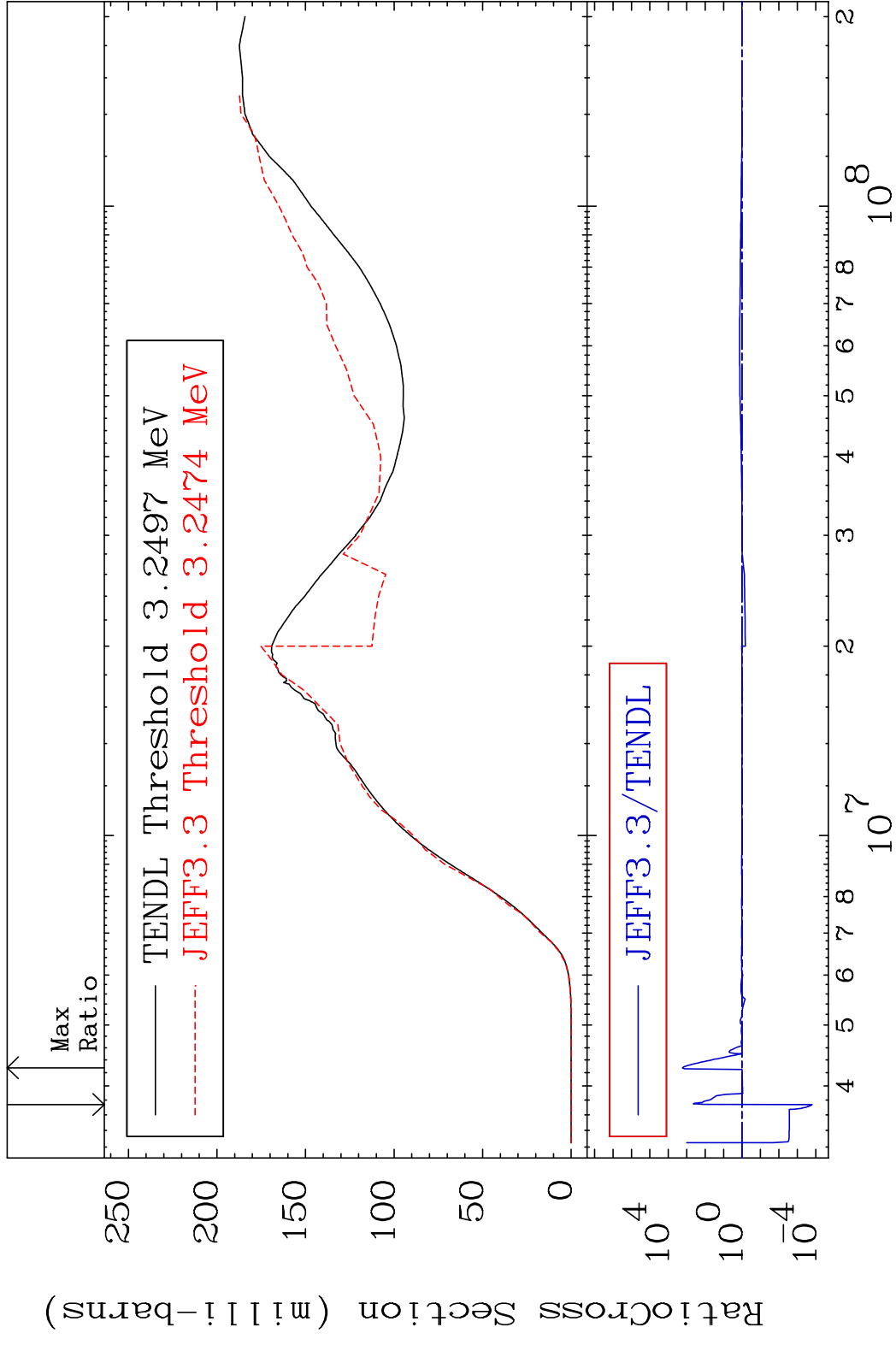
Cross Section -100.0 To 9999. %



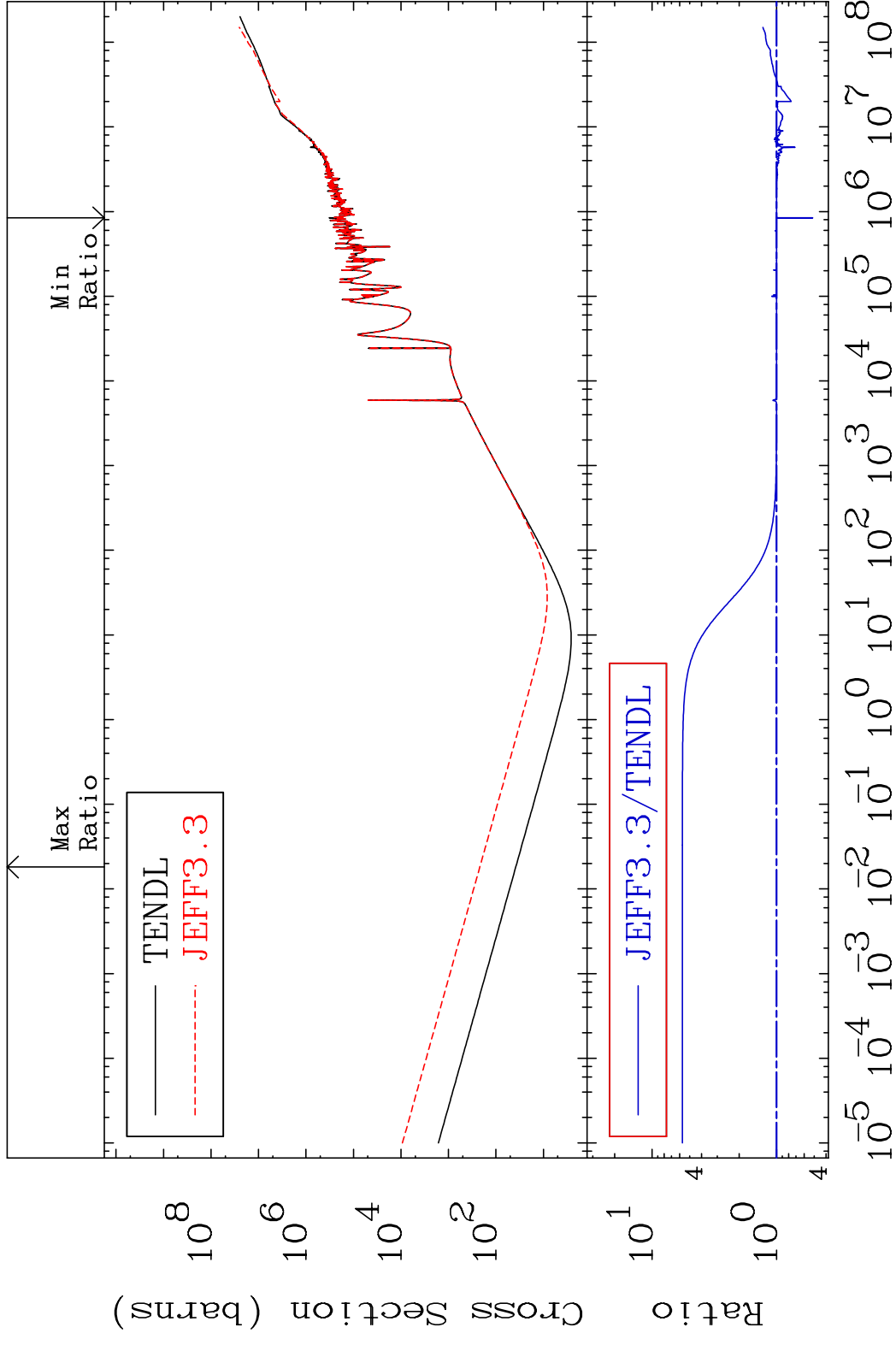
MAT 1325 Tritium Production 13-A1-27  
 Cross Section -100.0 To 9999. %



Cross Section -99.99 To 9999. %



MAT 1325 Kerma total (eV-barns) 13-Al-27  
 Cross Section -48.55 To 471.5 %

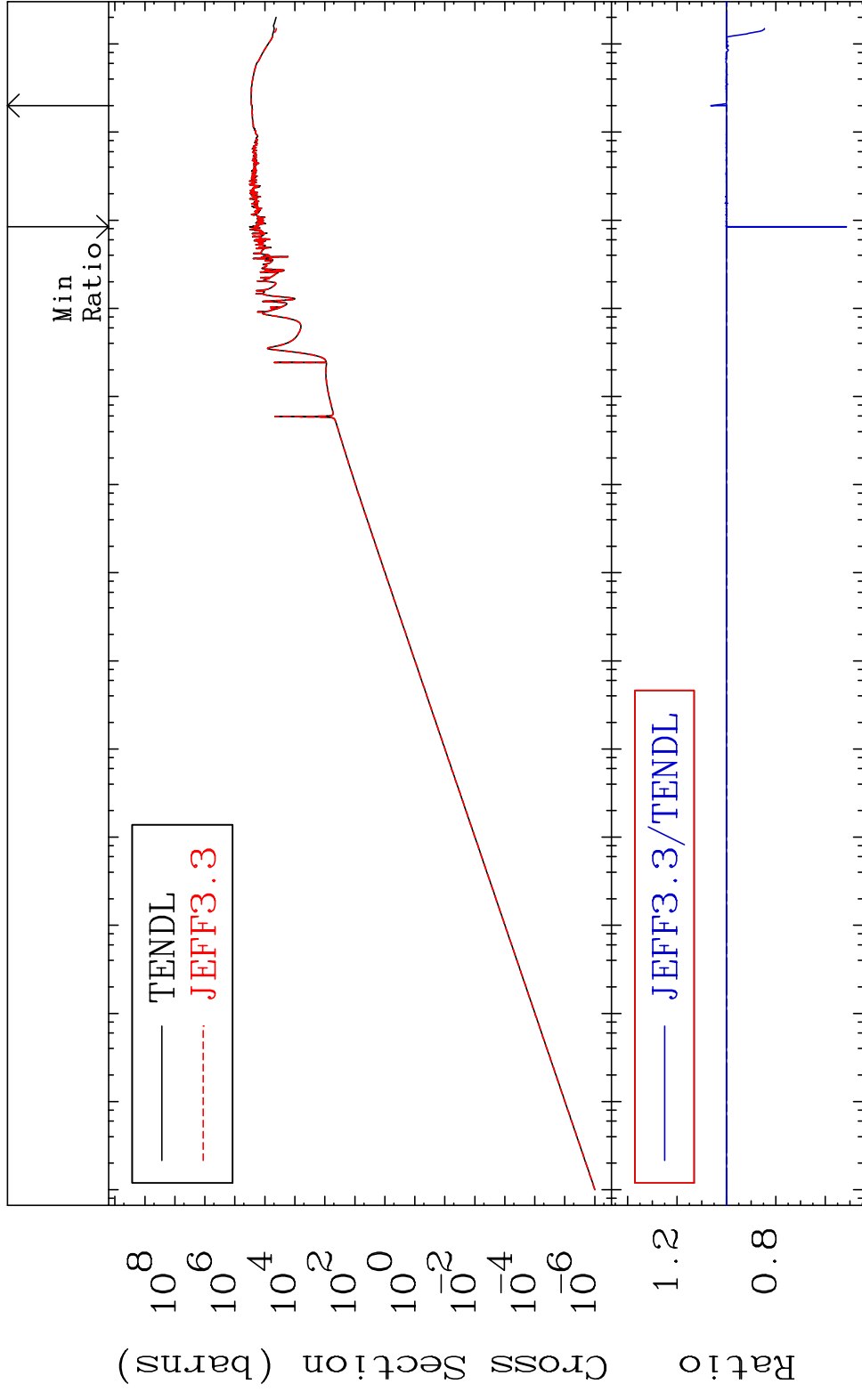




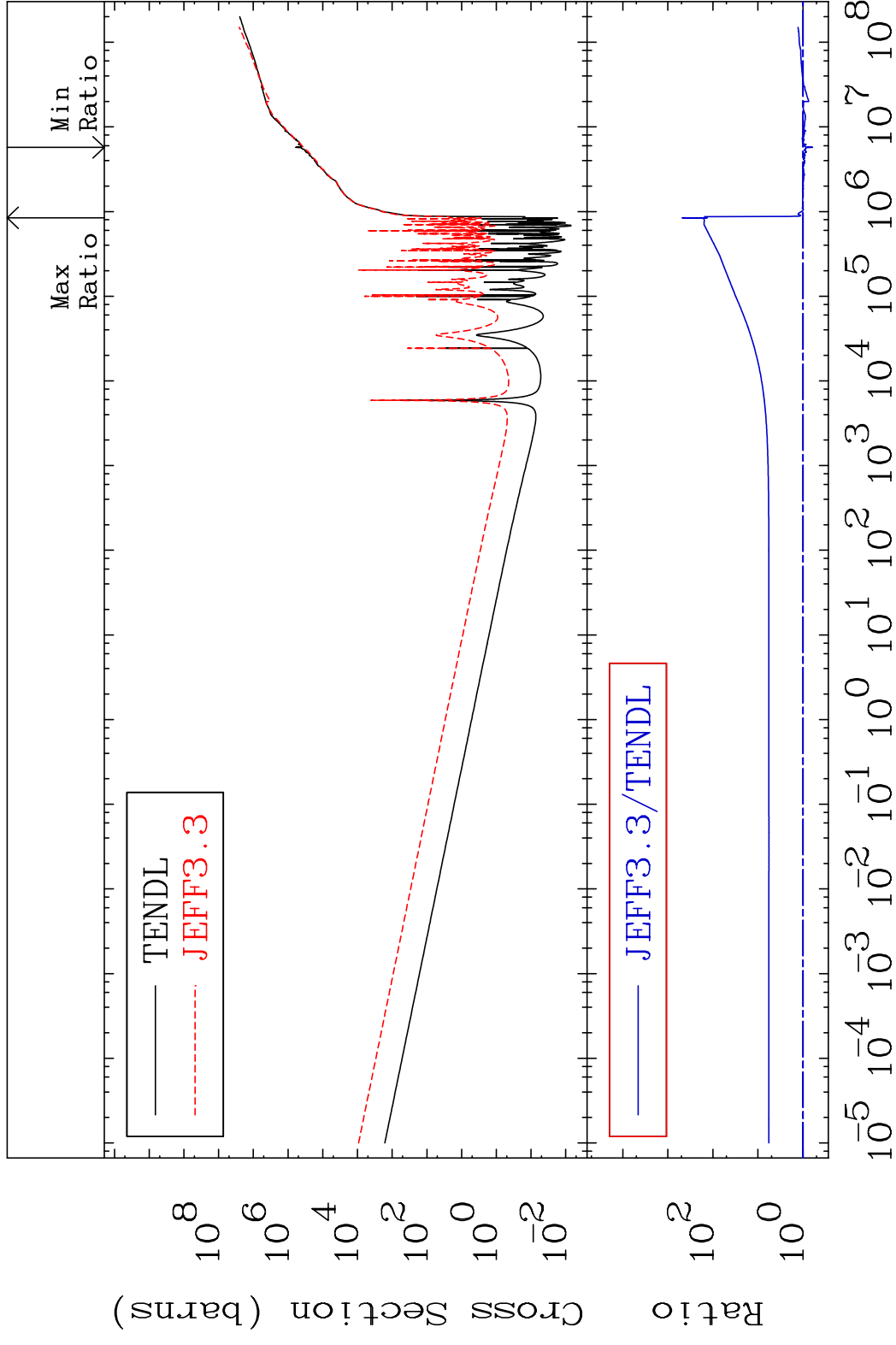
MAT 1325

Kerma elastic  
Cross Section -48.55 To 6.381 %

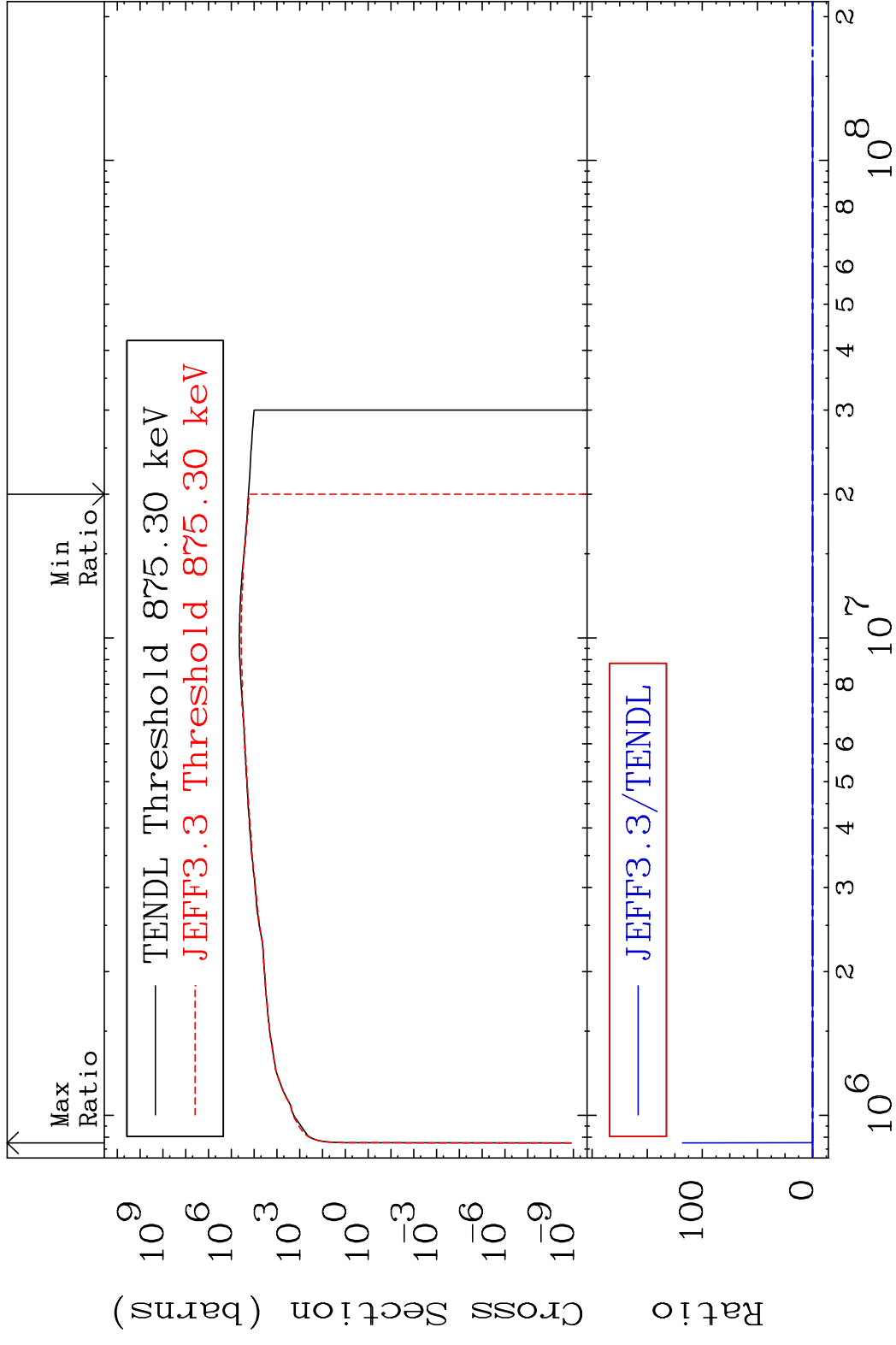
13-A1-27



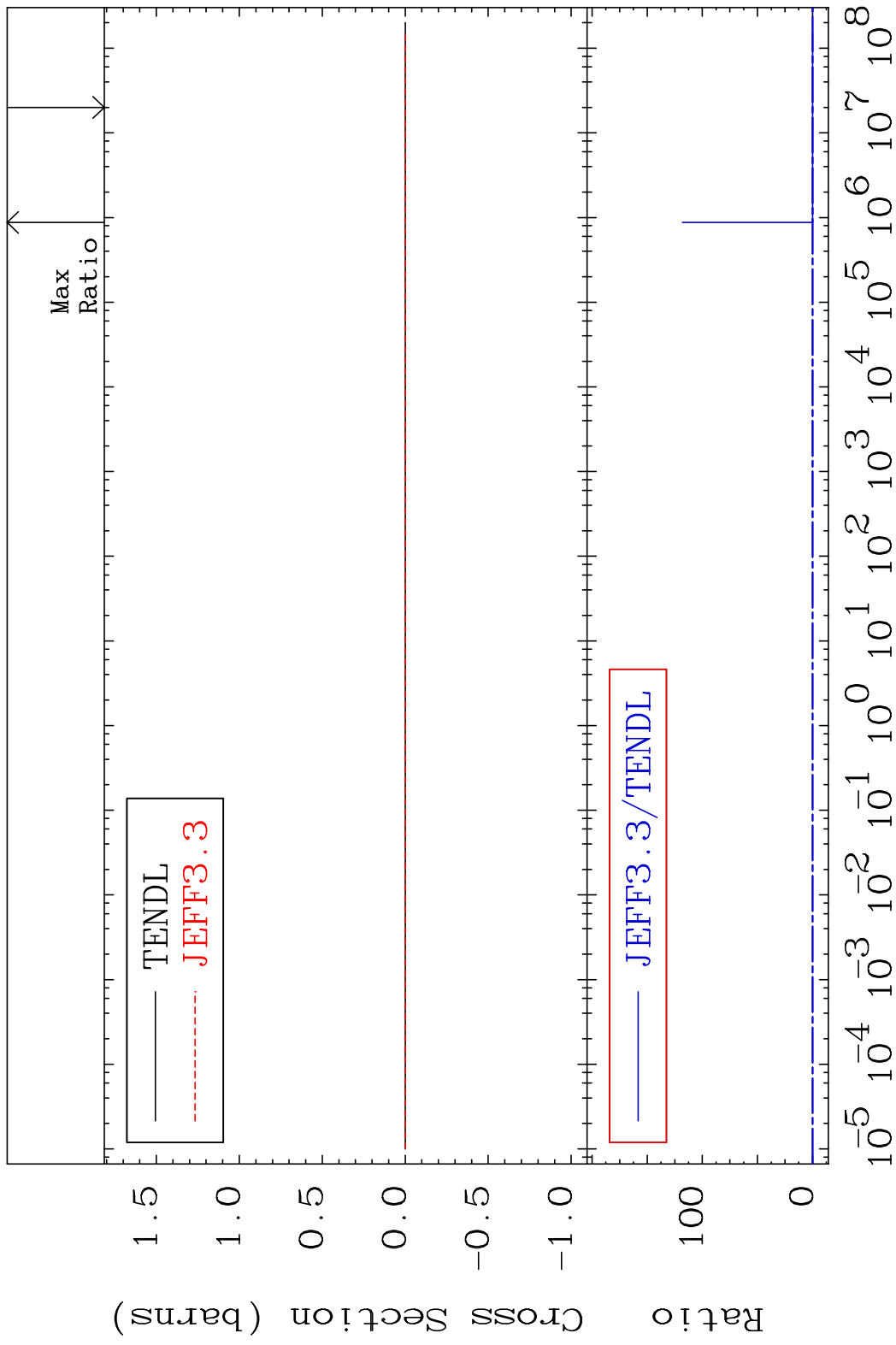
MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27  
 Cross Section -38.58 To 9999. %



MAT 1325 Kerma inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 9999. %

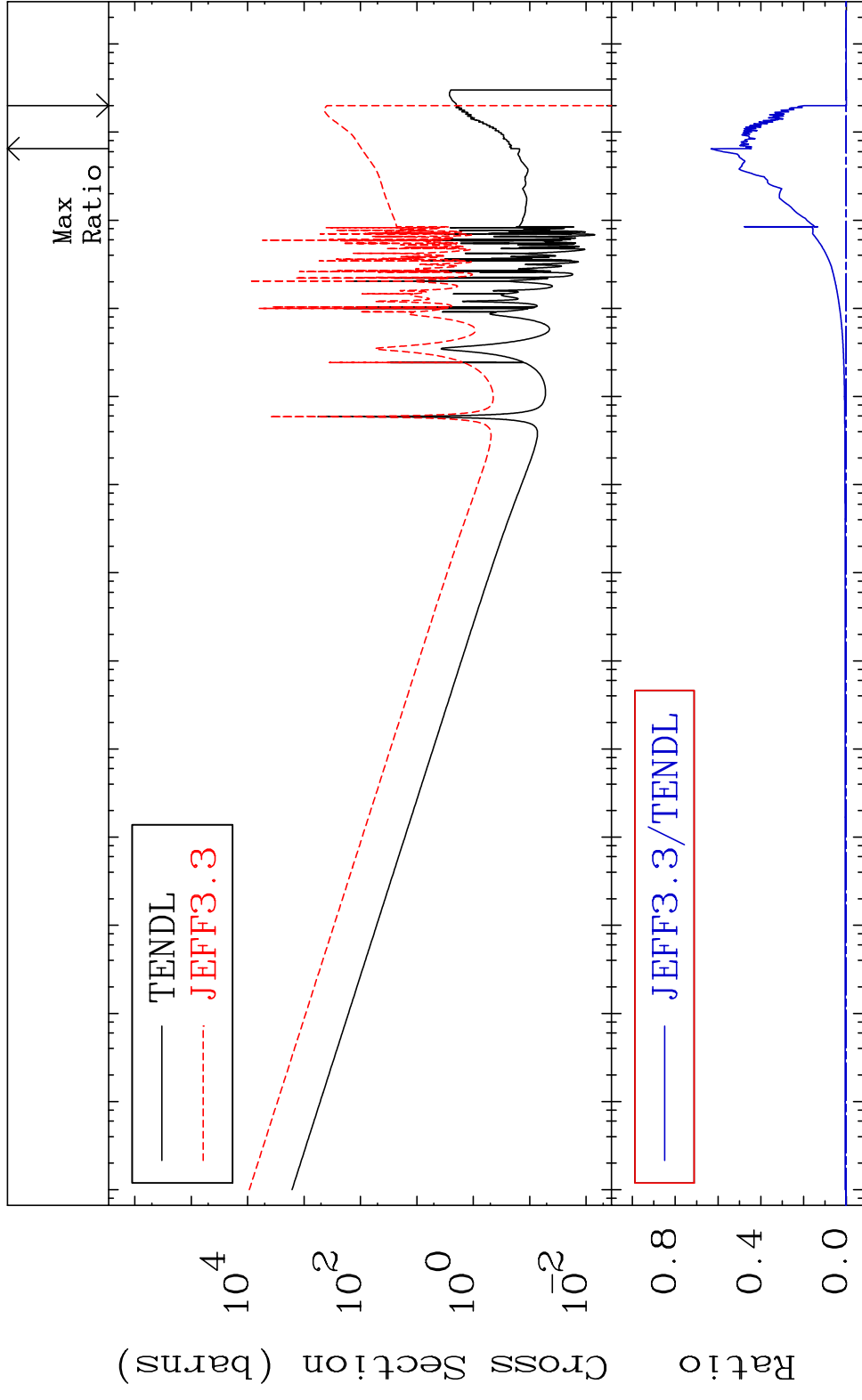


MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27  
 Cross Section -100.0 To 9999. %



MAT 1325

Kerma capture (mt102) 13-Al-27  
Cross Section -100.0 To 9999. %



60

Incident Energy (eV)

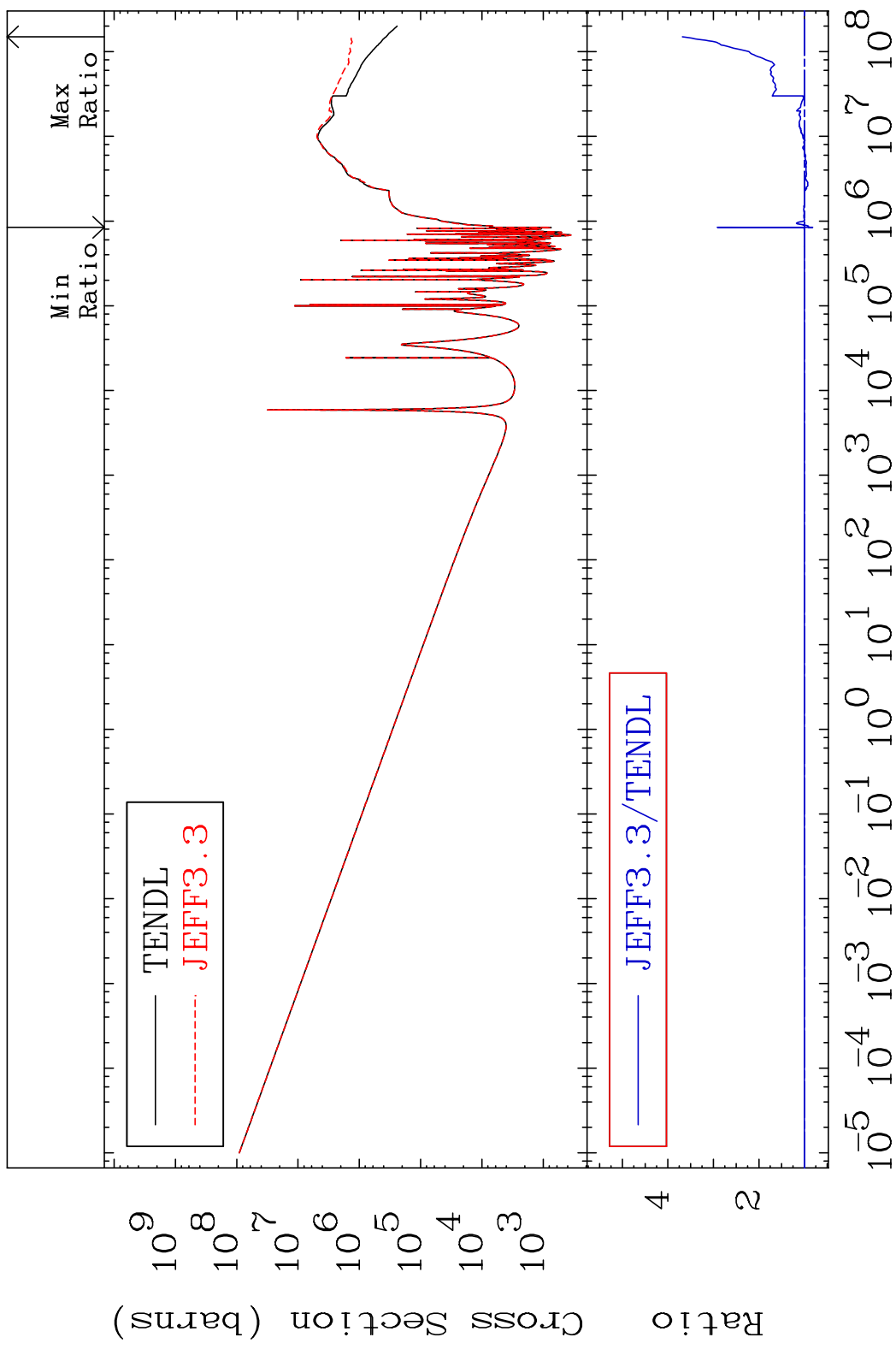
13-Al-27

MAT 1325

Total photon (eV-barns)

13-A1-27

Cross Section -17.88 To 268.2 %

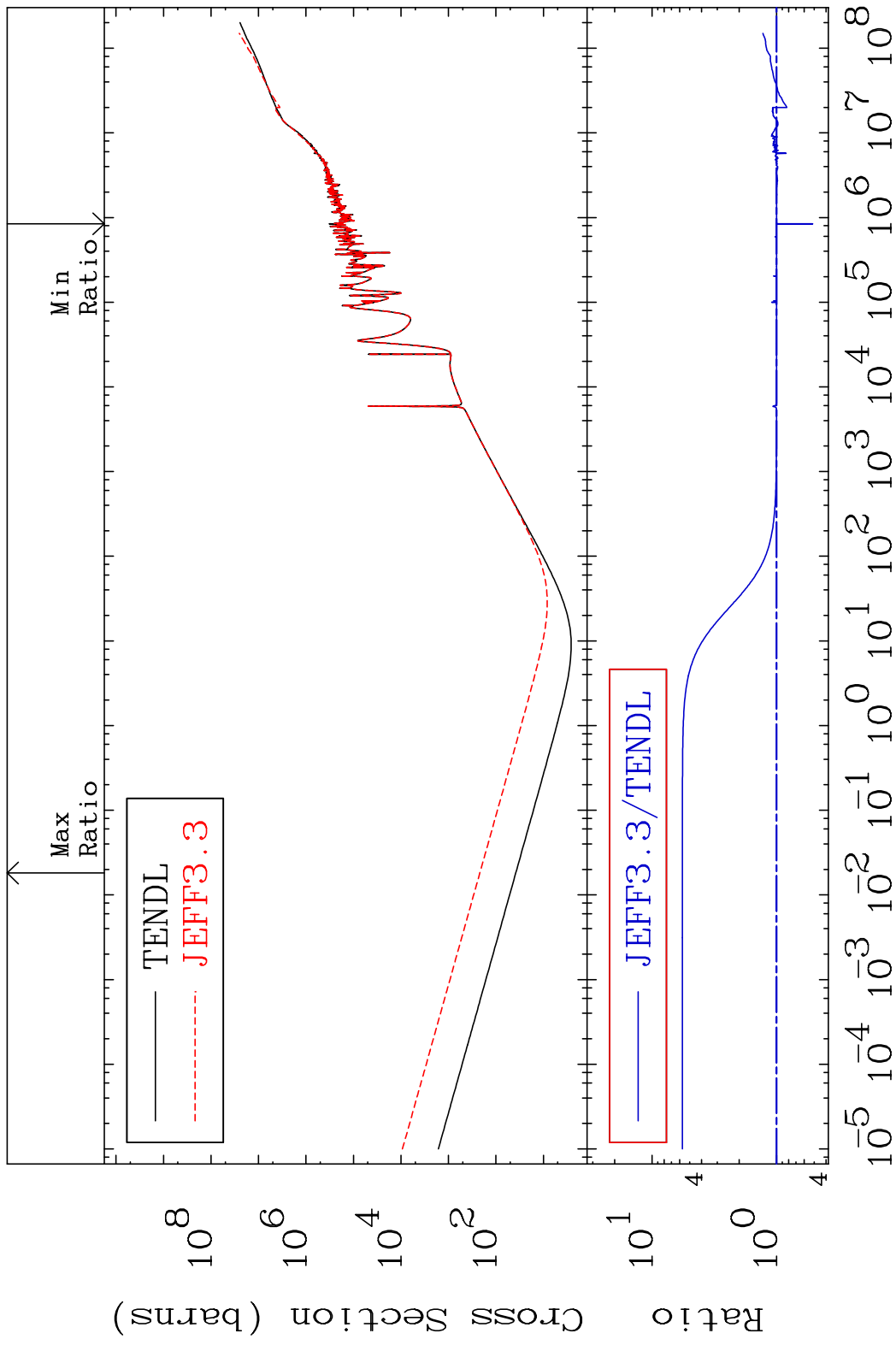


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Incident Energy (eV)

13-A1-27

MAT 1325 Total kinematic kerma (high limit) 13-Al-27  
 Cross Section -48.55 To 471.5 %

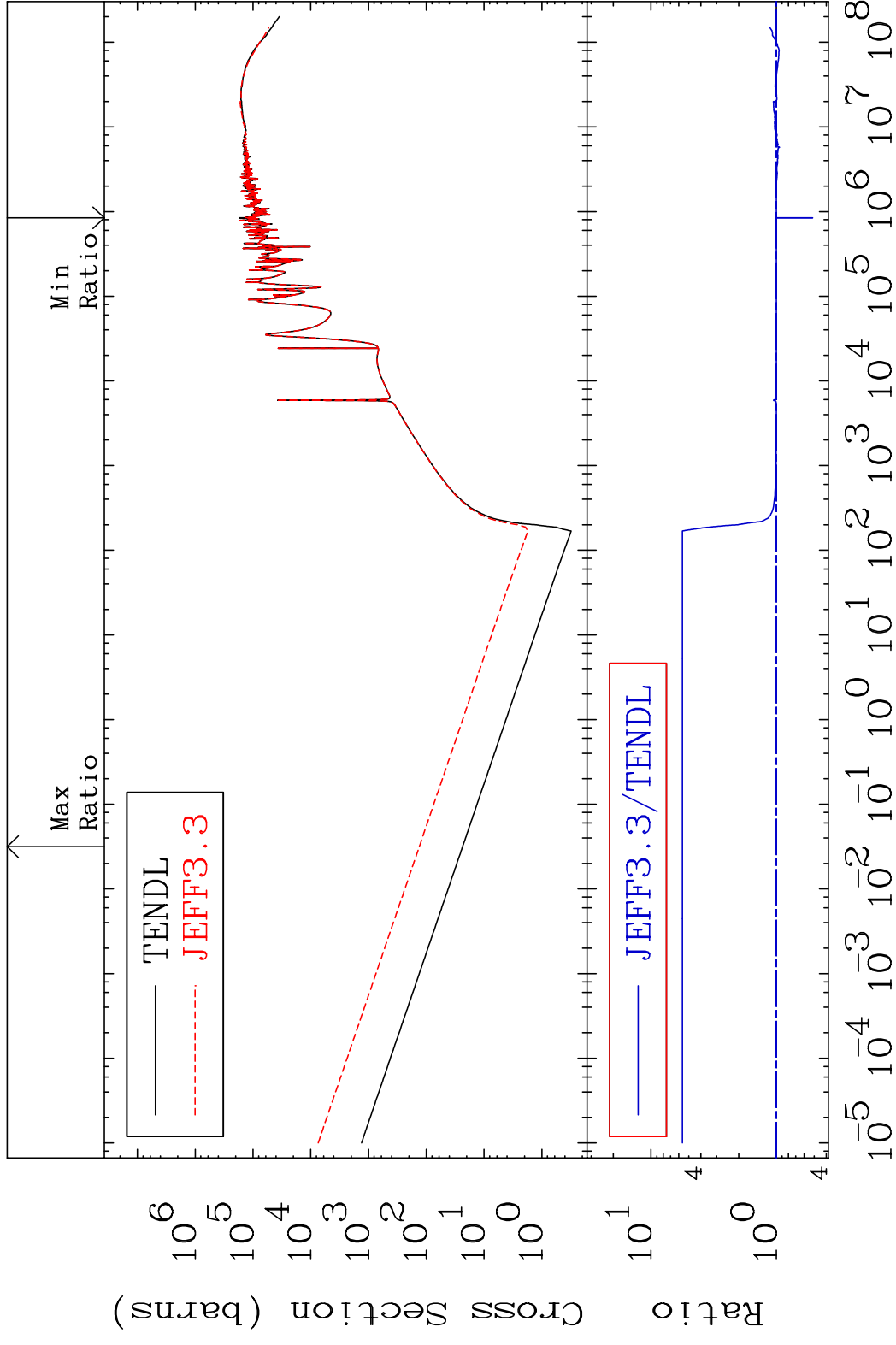


MAT 1325

Dpa total (eV-barns)

13-A1-27

Cross Section -48.55 To 462.3 %



63

Incident Energy (eV)

13-A1-27

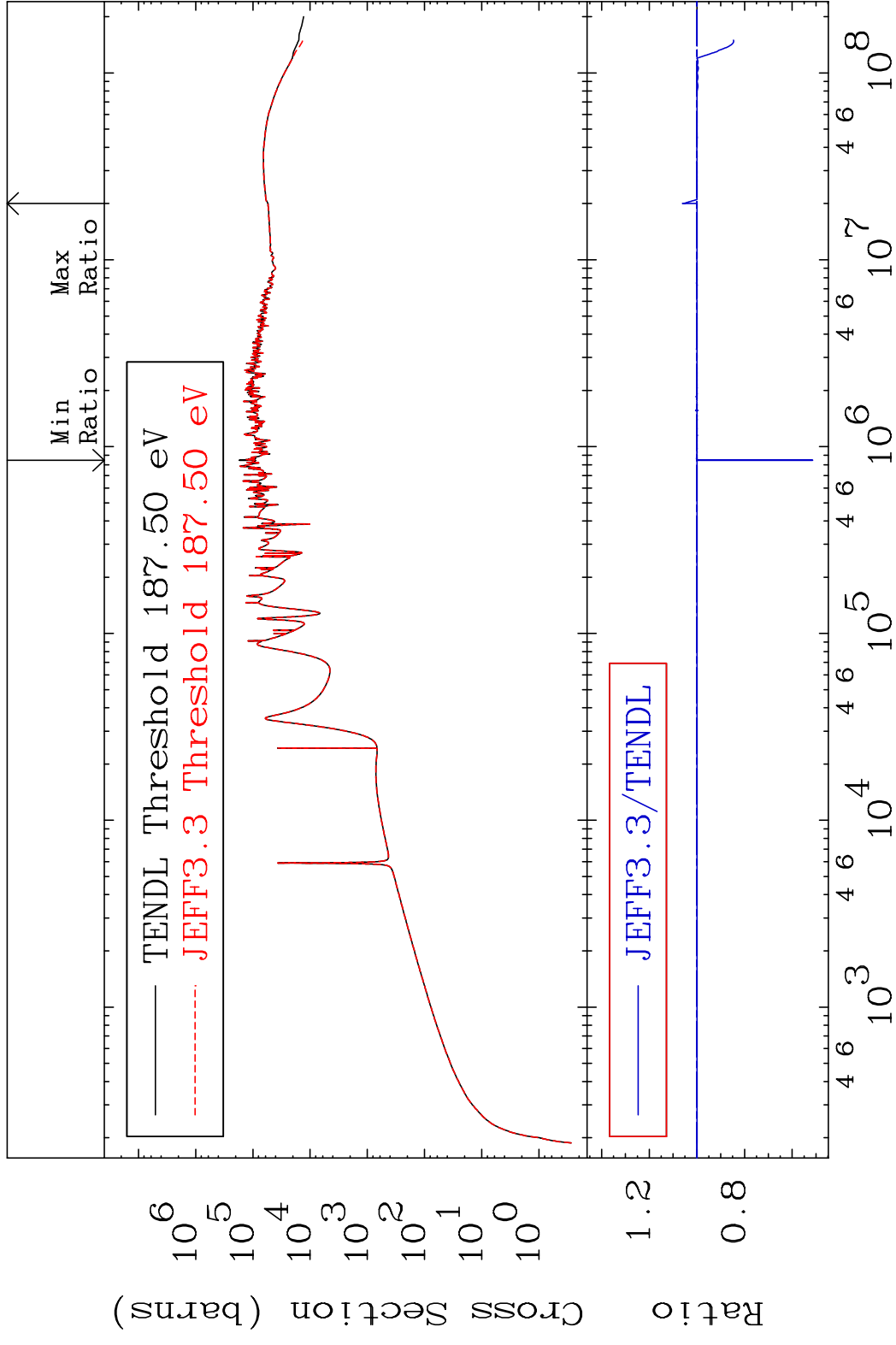


MAT 1325

Dpa elastic (mt2)

13-A1-27

Cross Section -48.55 To 6.111 %

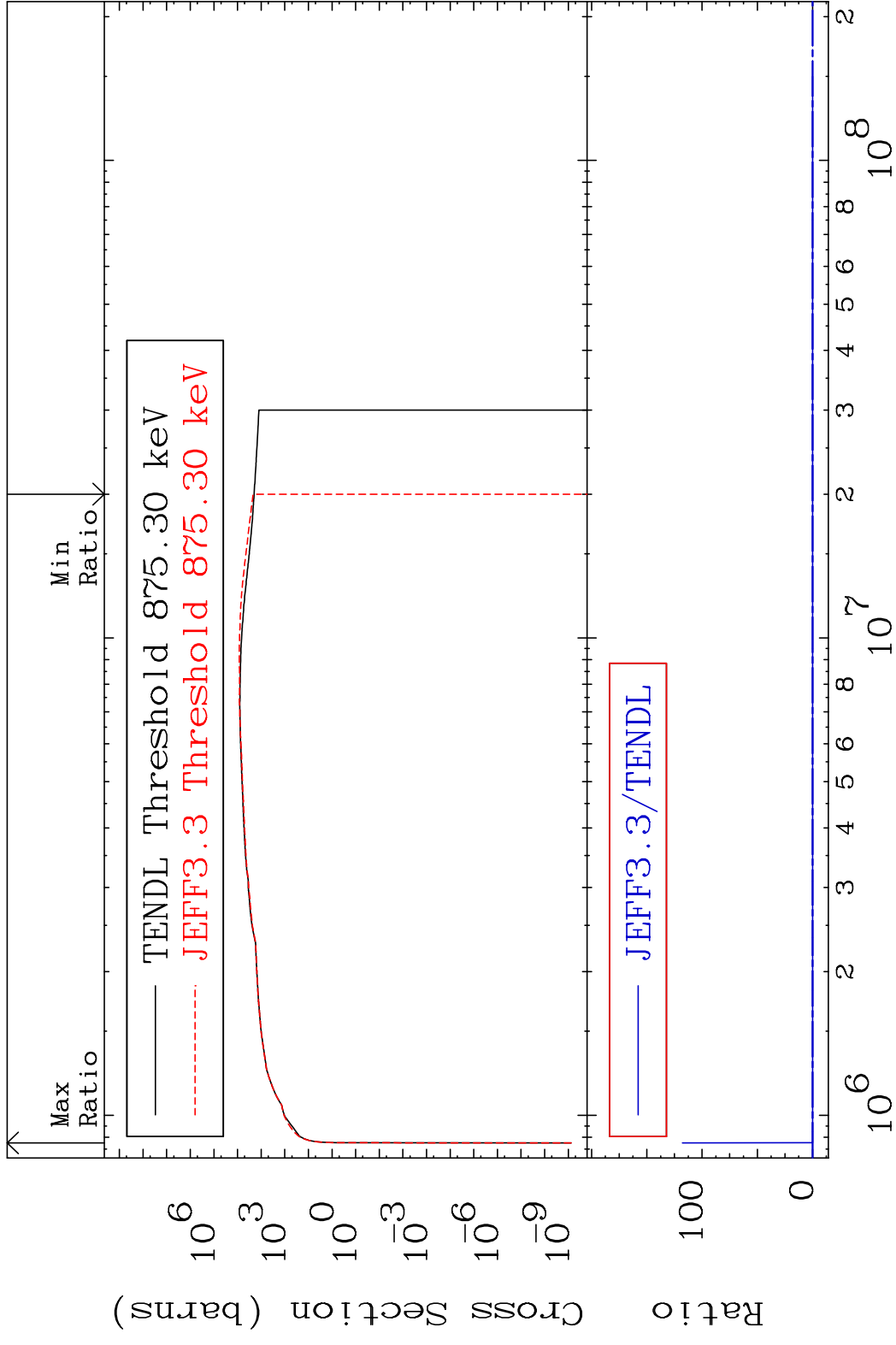


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Incident Energy (eV)

13-A1-27

MAT 1325 Dpa inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 9999. %



MAT 1325 Dpa disappearance (mt102 -120) 13-Al-27  
 Cross Section -100.0 To 1295. %

