

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

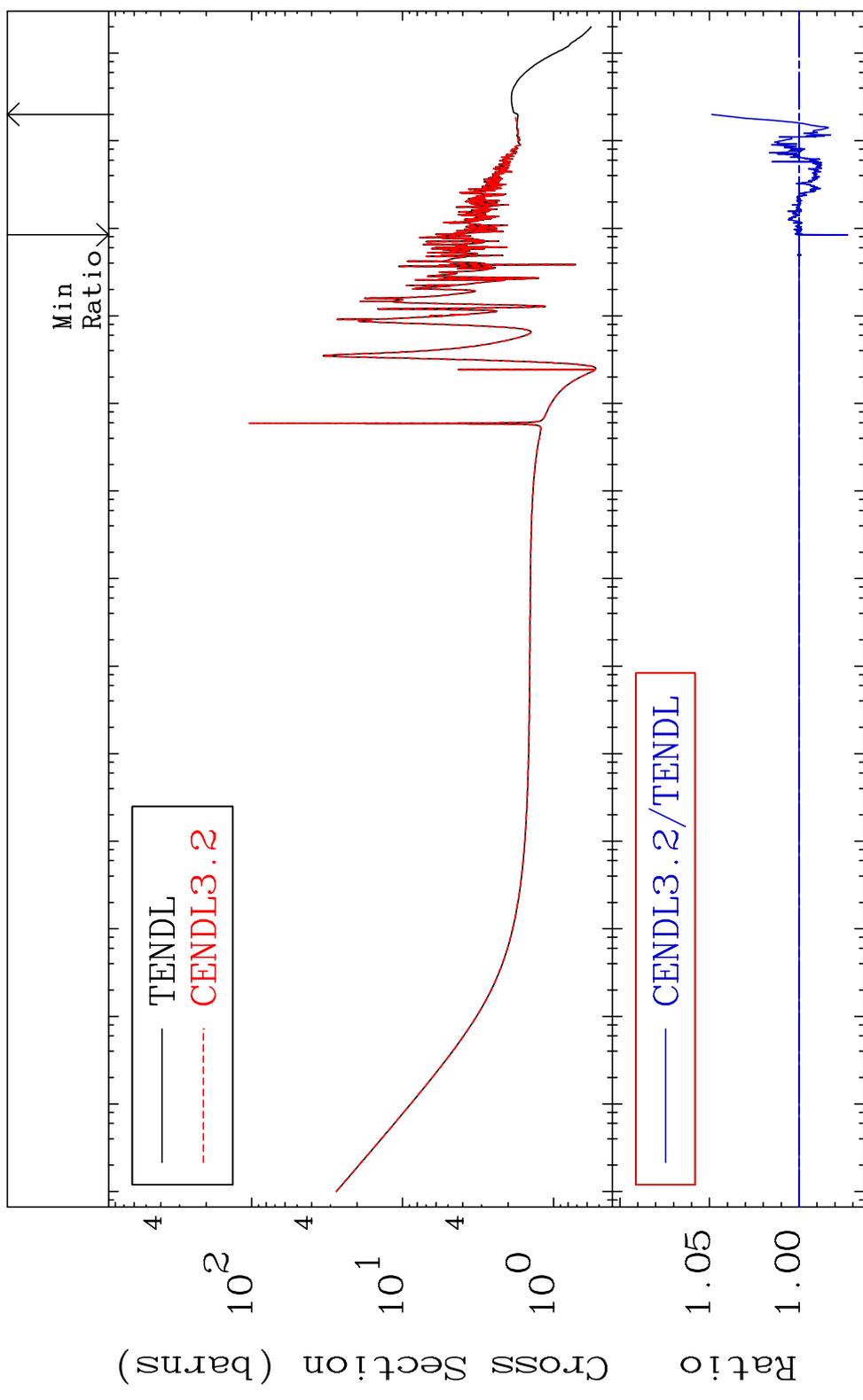
MAT 1325

Total

13-A1-27

Cross Section

-2.706 To 4.873 %



1

Incident Energy (eV)

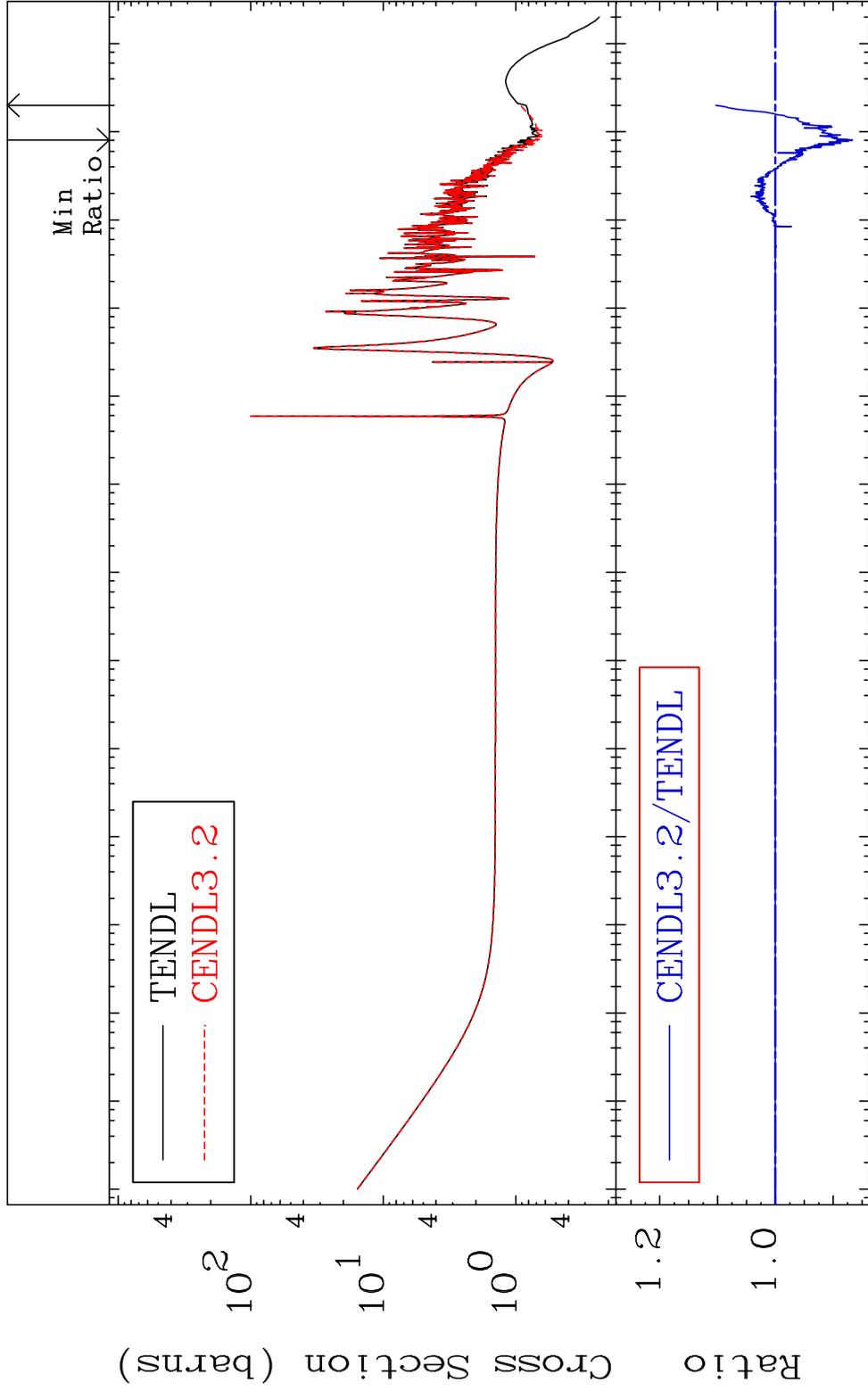
13-A1-27

MAT 1325

Elastic

13-Al-27

Cross Section -13.35 To 10.29 %

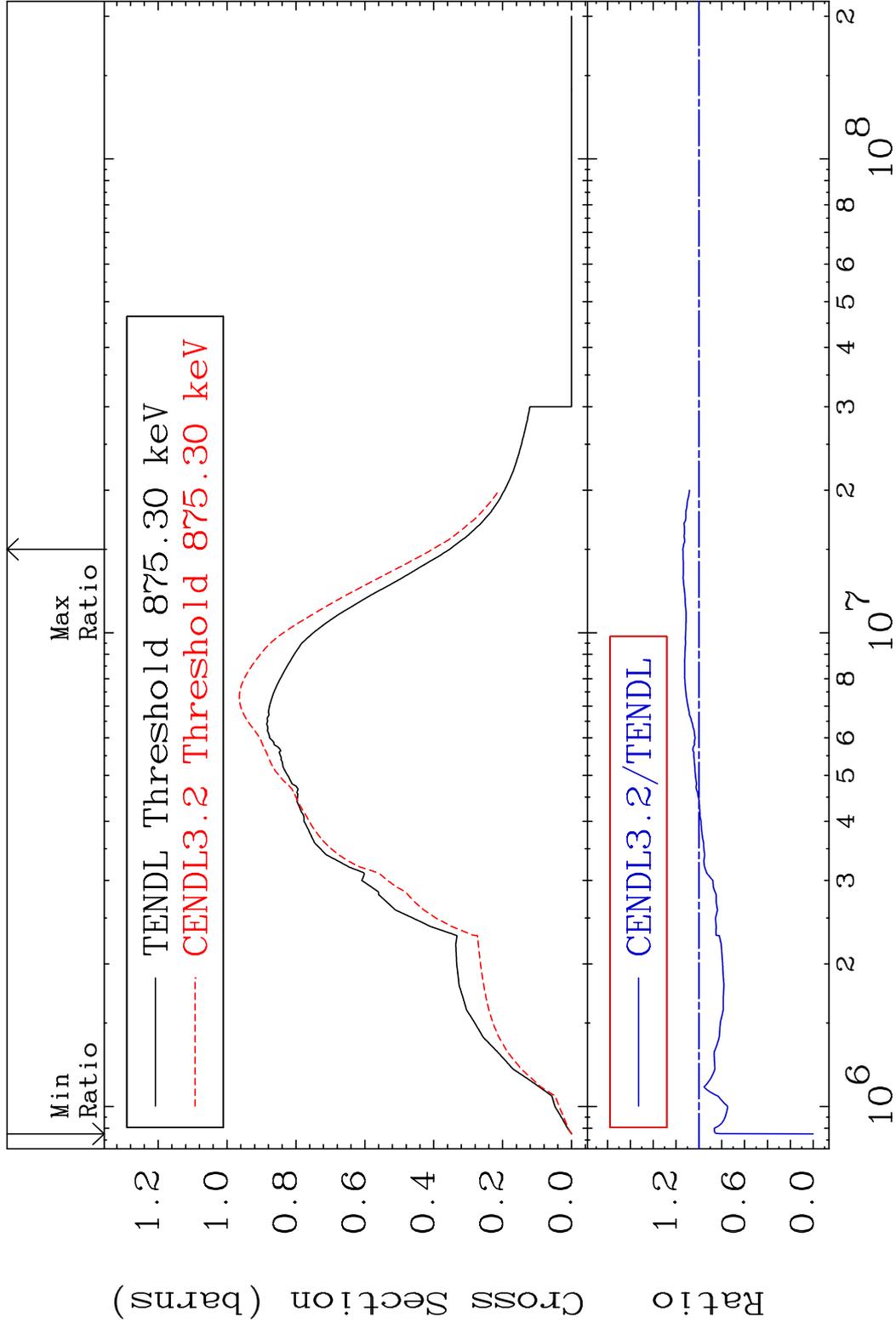


2

Incident Energy (eV)

13-Al-27

MAT 1325 Inelastic 13-Al-27  
 Cross Section -100.0 To 14.08 %



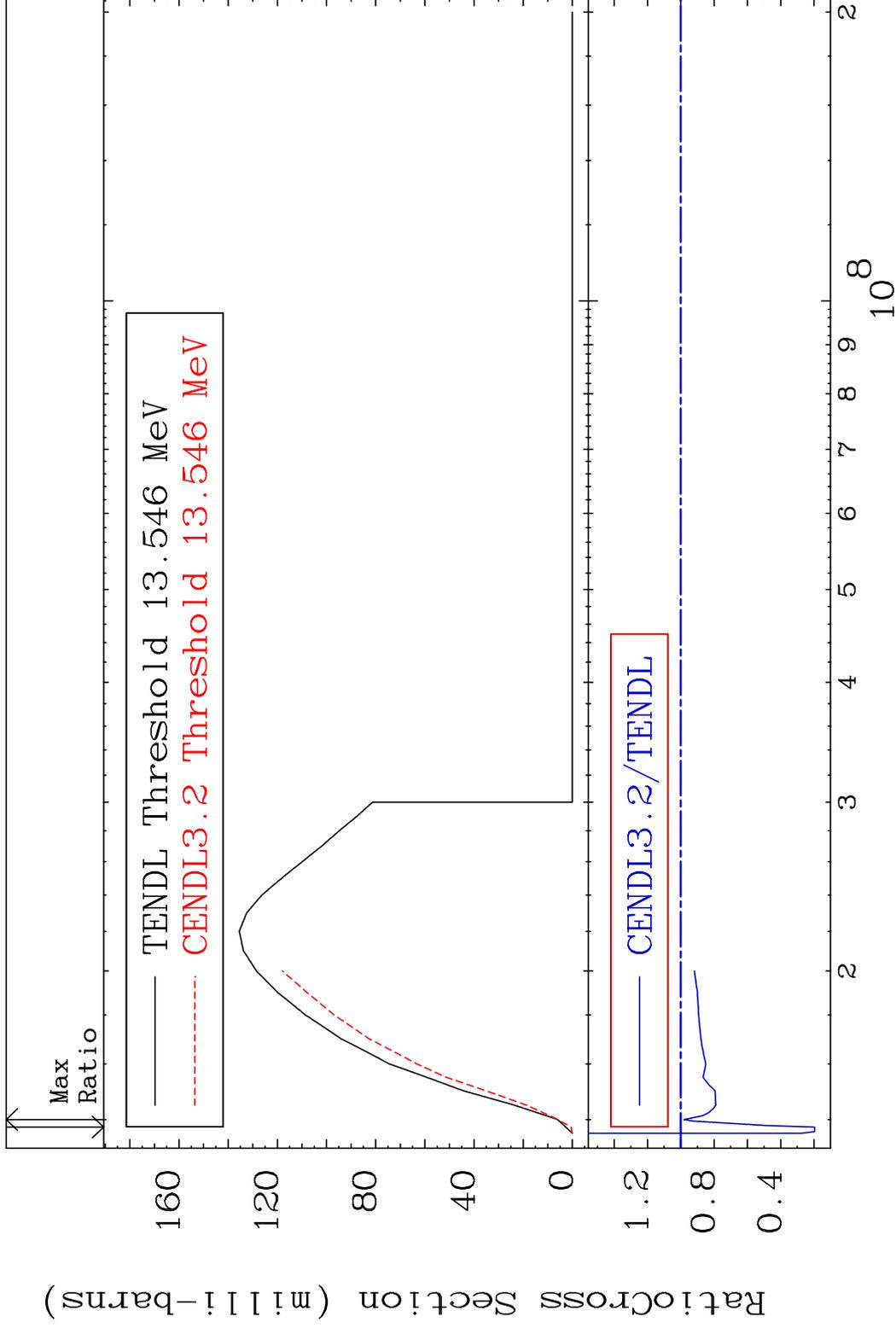
3 Incident Energy (eV) 13-Al-27

MAT 1325

(n,2n)

13-A1-27

Cross Section -80.37 To -1.894%



4

Incident Energy (eV)

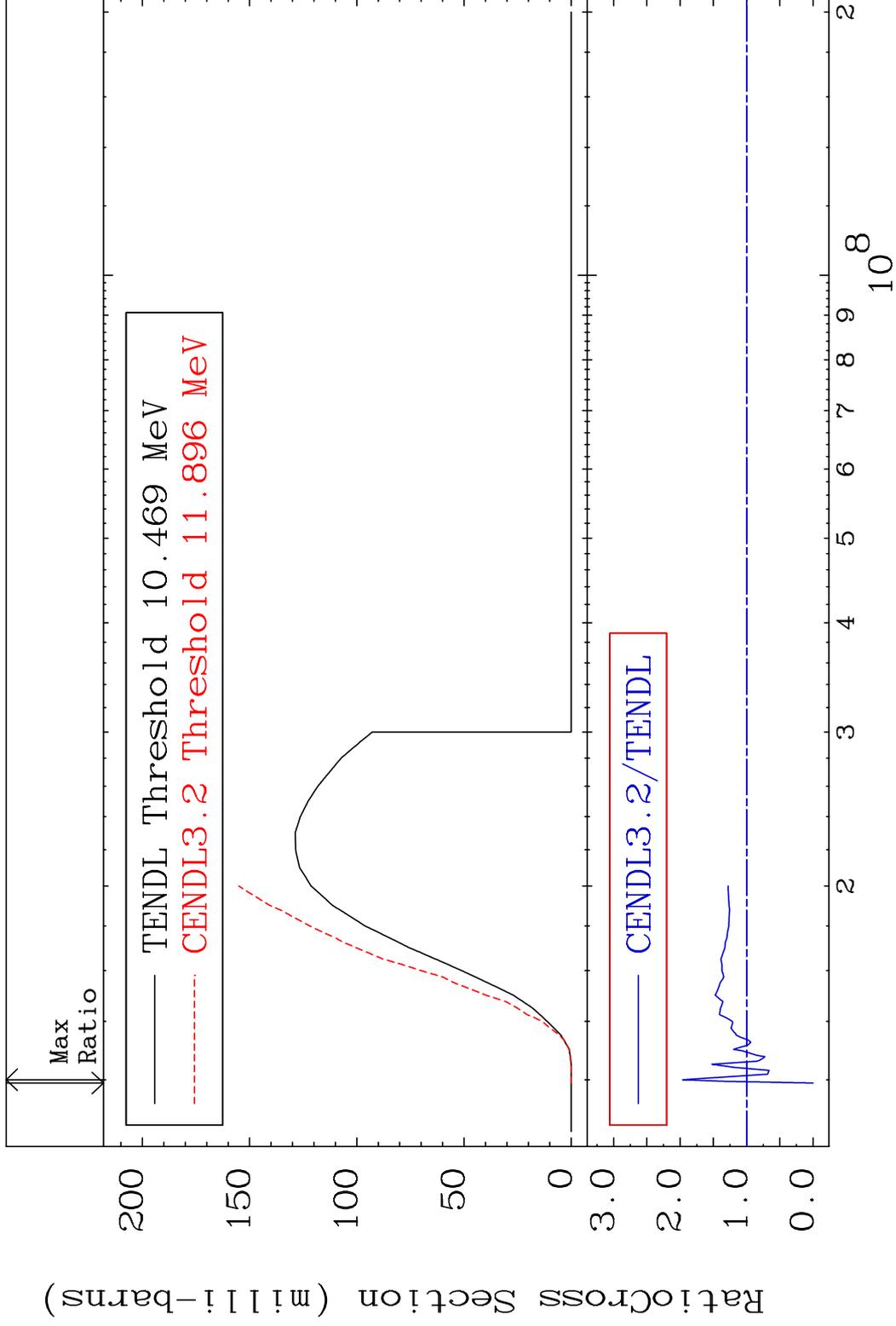
13-A1-27

MAT 1325

(n, n')  $\alpha$

13-A1-27

Cross Section -100.0 To 96.21 %



5

Incident Energy (eV)

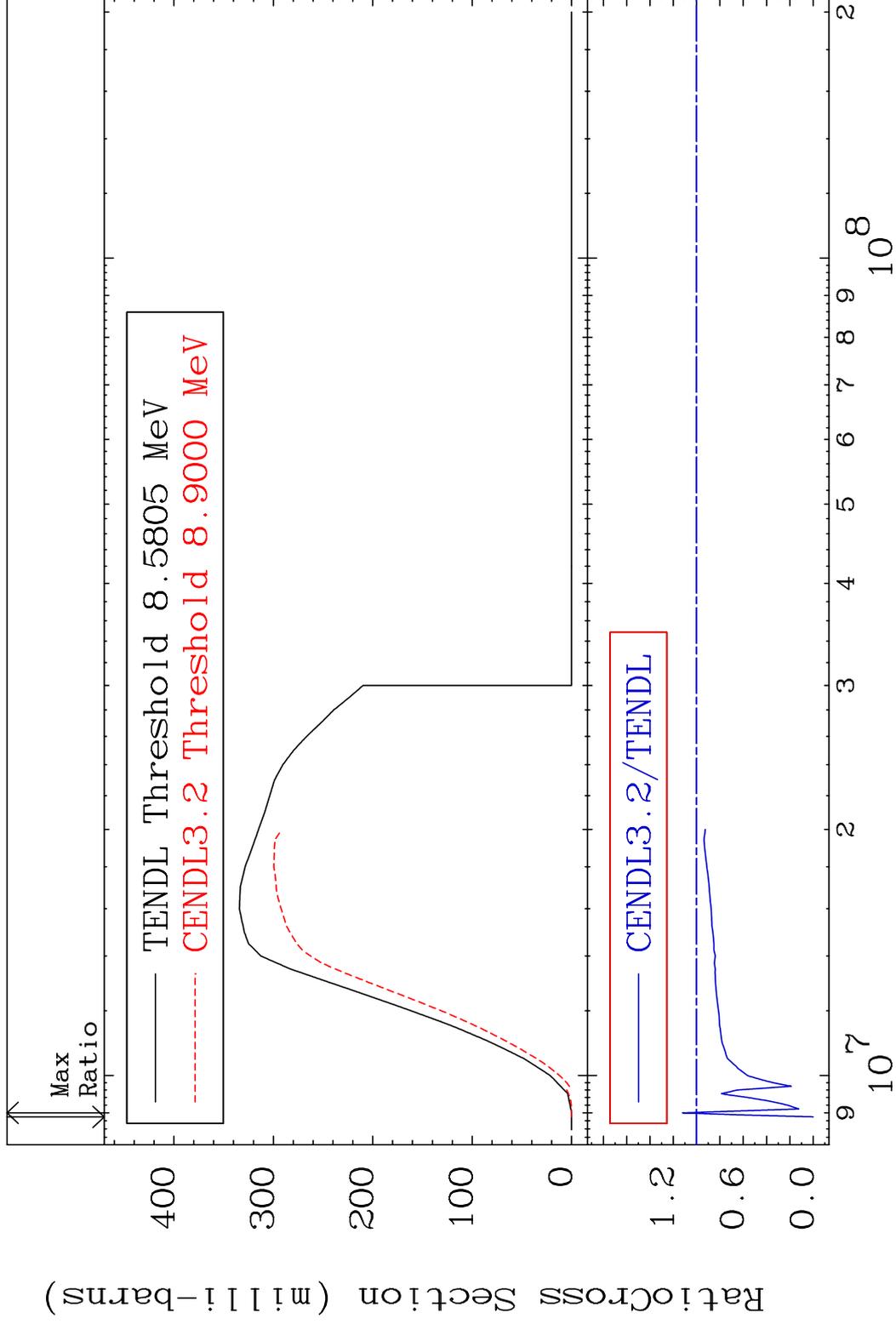
13-A1-27

MAT 1325

(n, n') p

13-Al-27

Cross Section -100.0 To 11.80 %

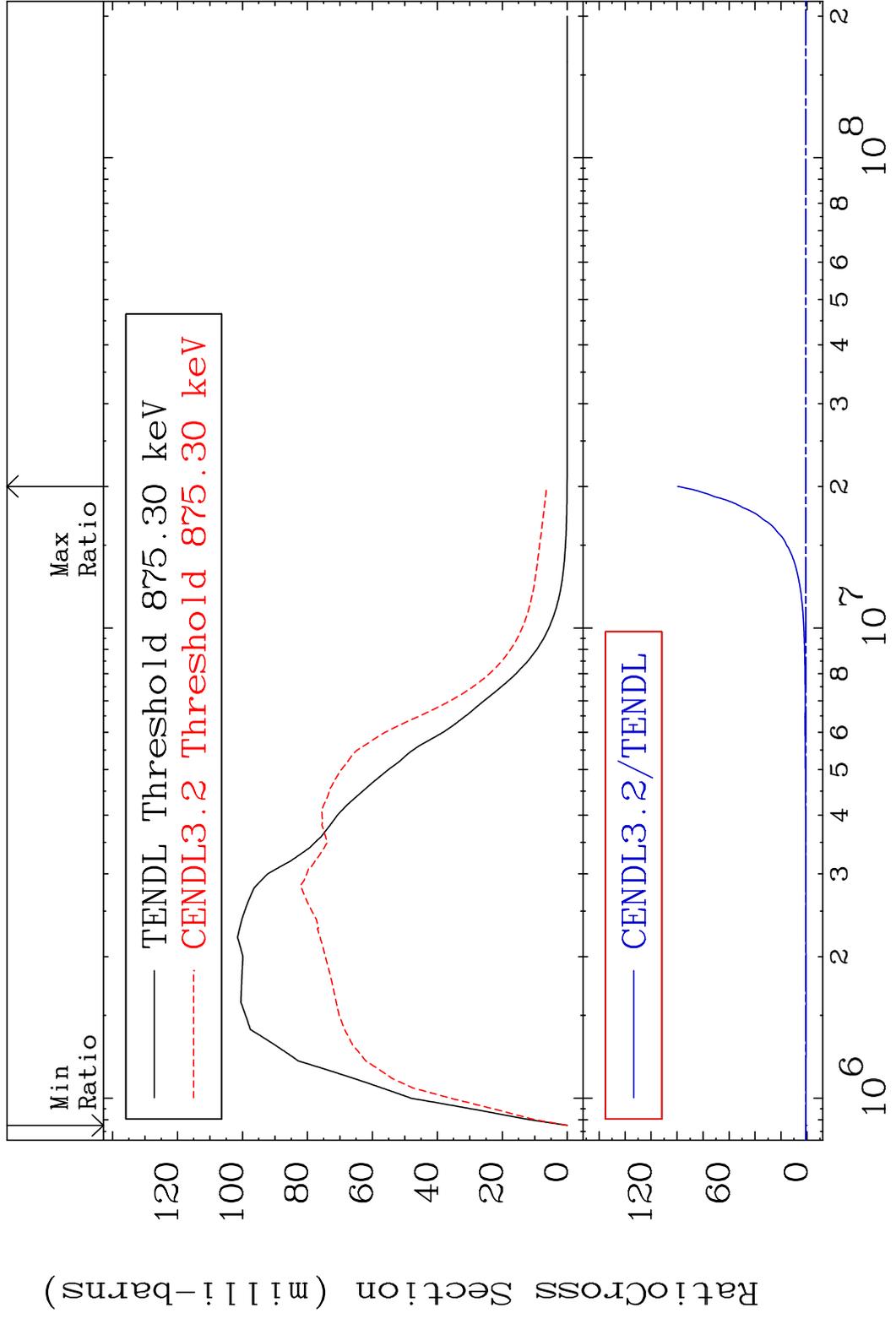


6

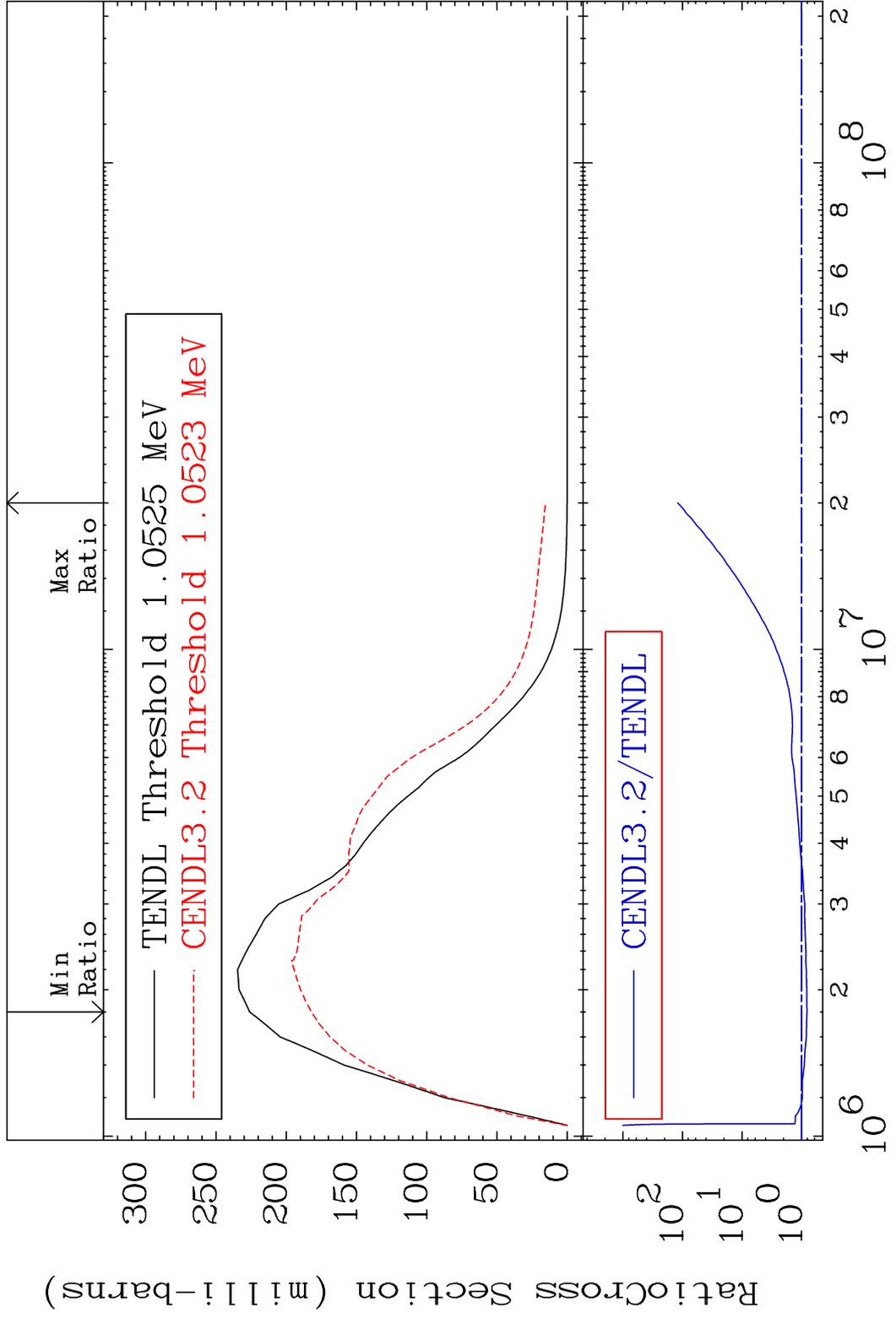
Incident Energy (eV)

13-Al-27

MAT 1325 MT= 51 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 9854. %

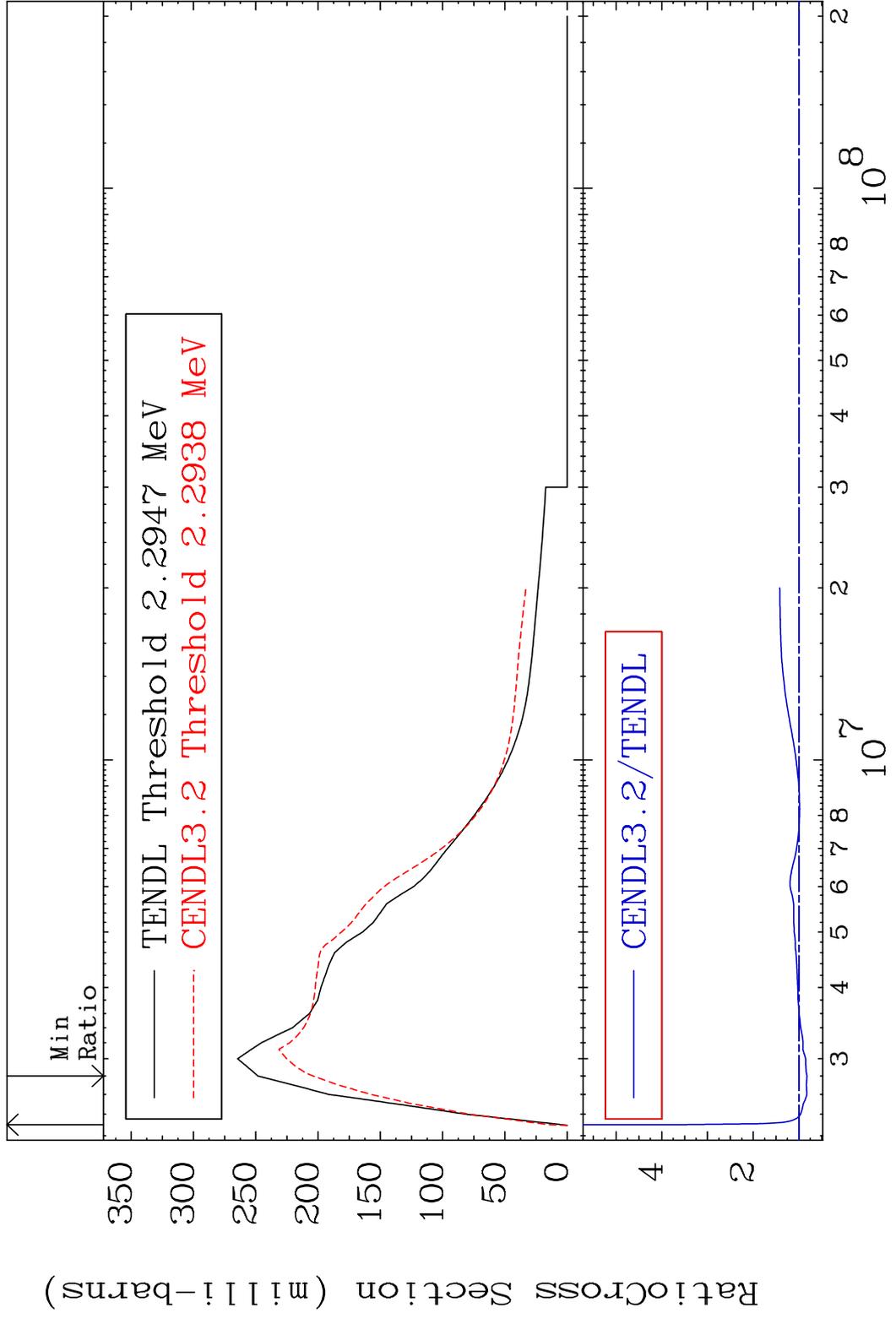


MAT 1325 MT= 52 (n, n') Level 13-Al-27  
 Cross Section -19.43 To 9999. %

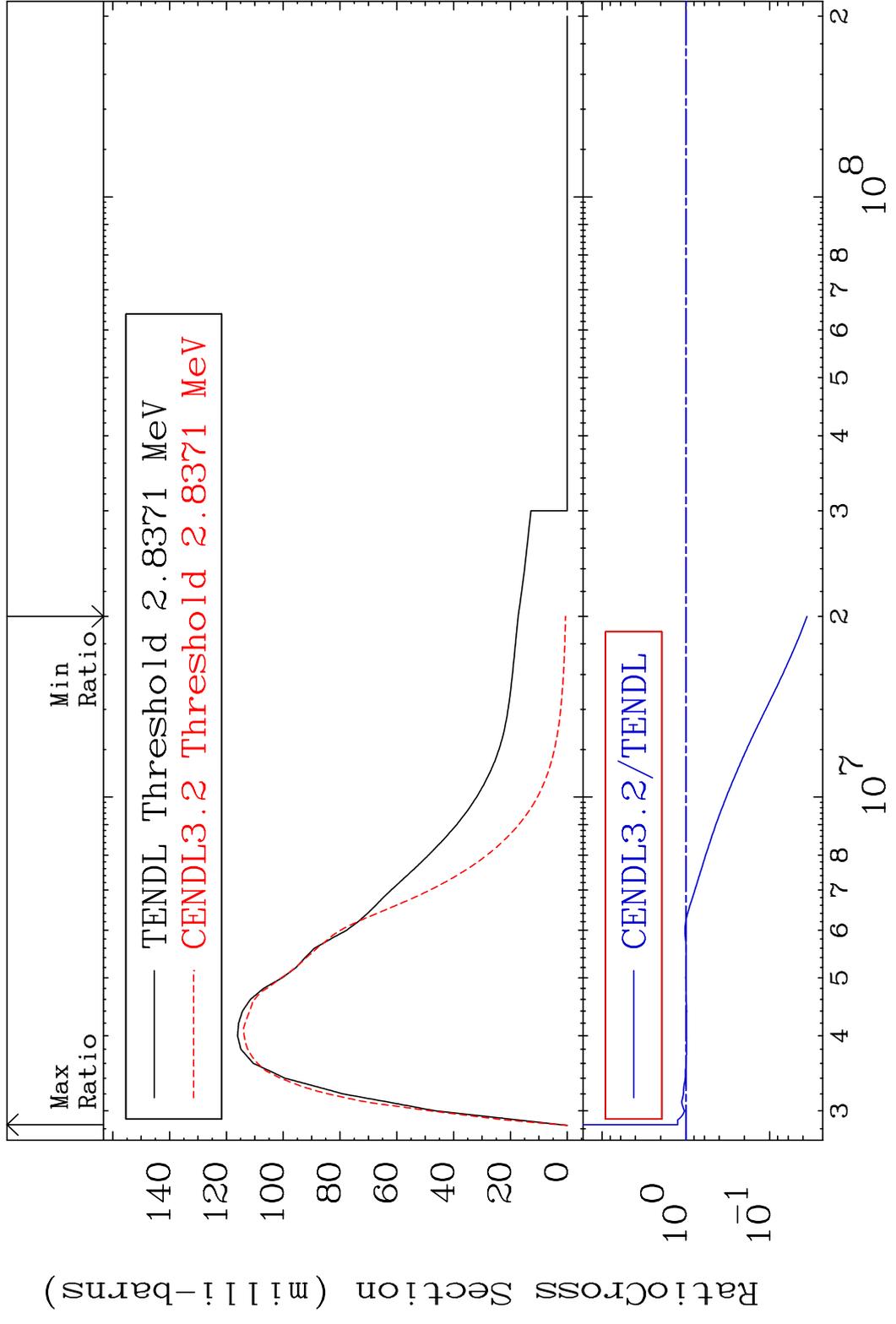


8 Incident Energy (eV) 13-Al-27

MAT 1325 MT= 53 (n, n') Level 13-Al-27  
 Cross Section -17.82 To 265.2 %

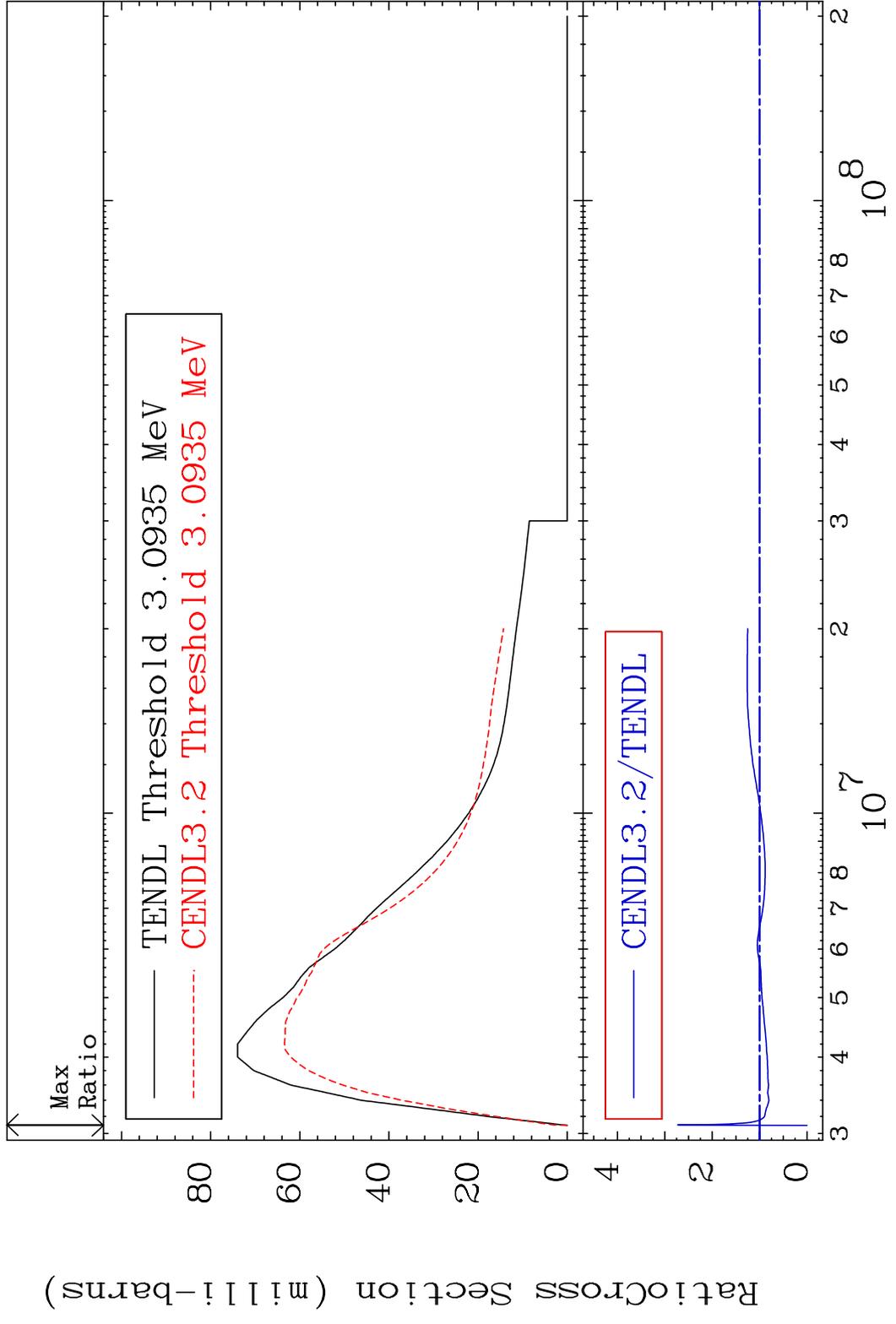


MAT 1325 MT= 54 (n,n') Level 13-A1-27  
 Cross Section -96.42 To 25.21 %

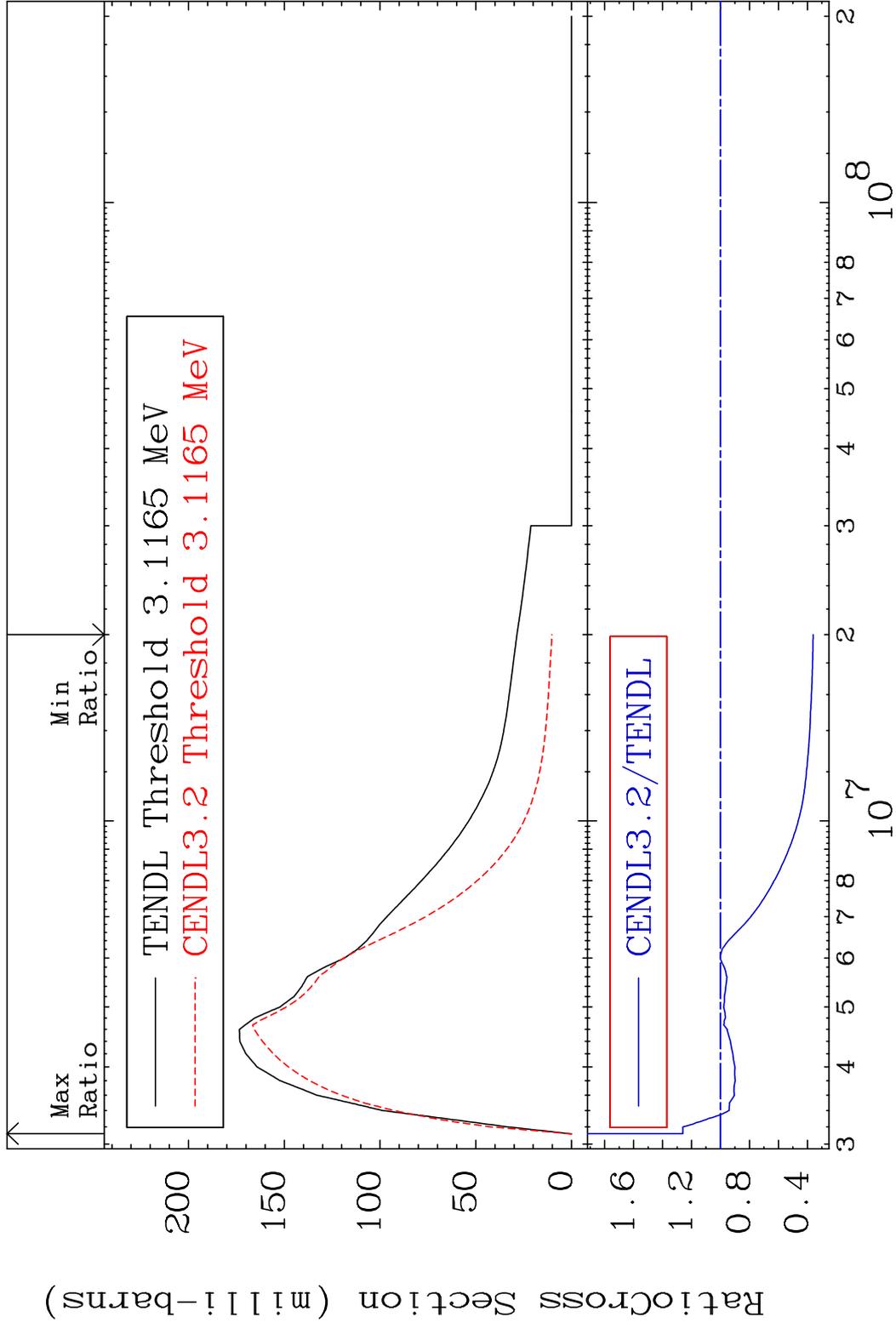


10 Incident Energy (eV) 13-A1-27

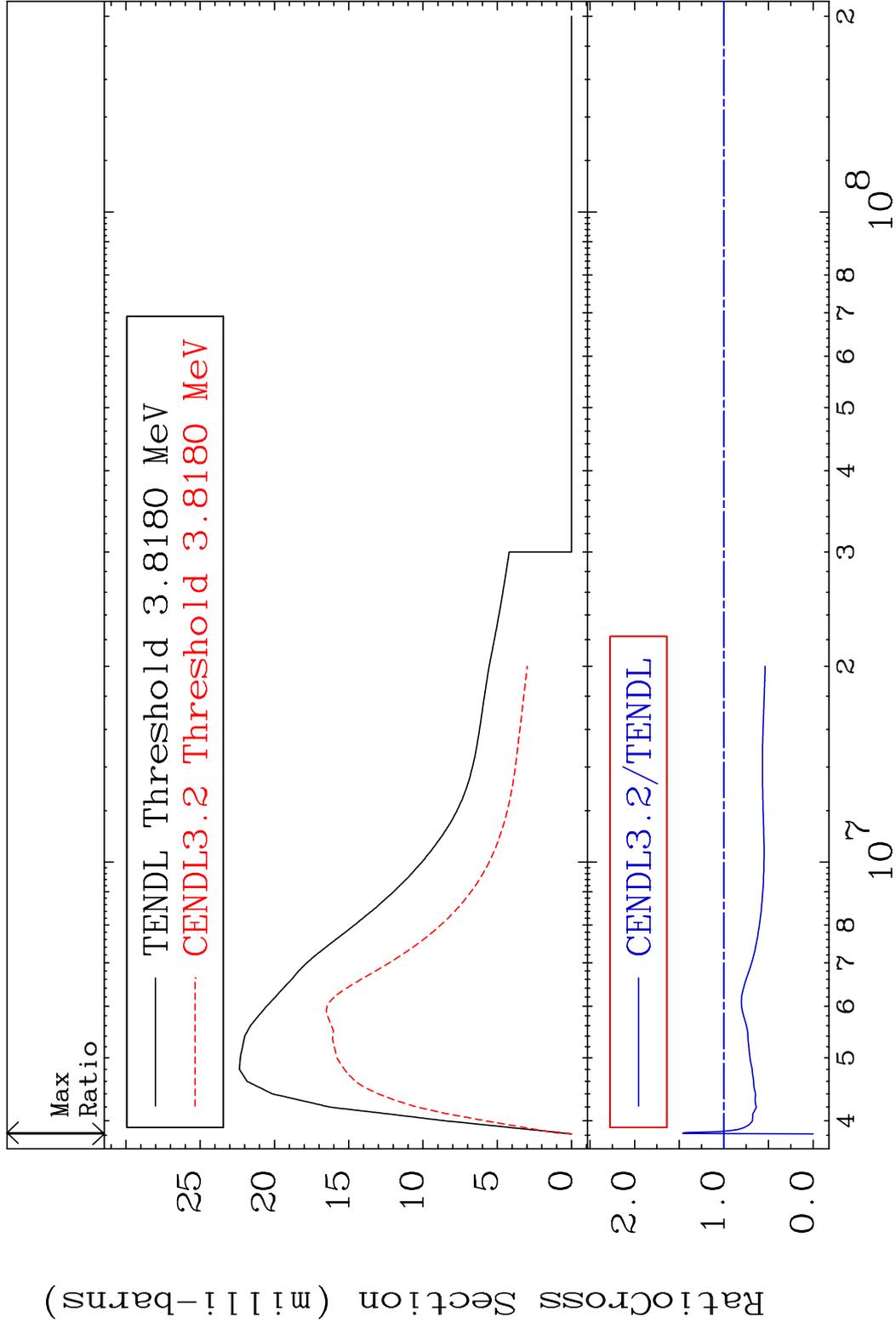
MAT 1325 MT= 55 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 172.8 %



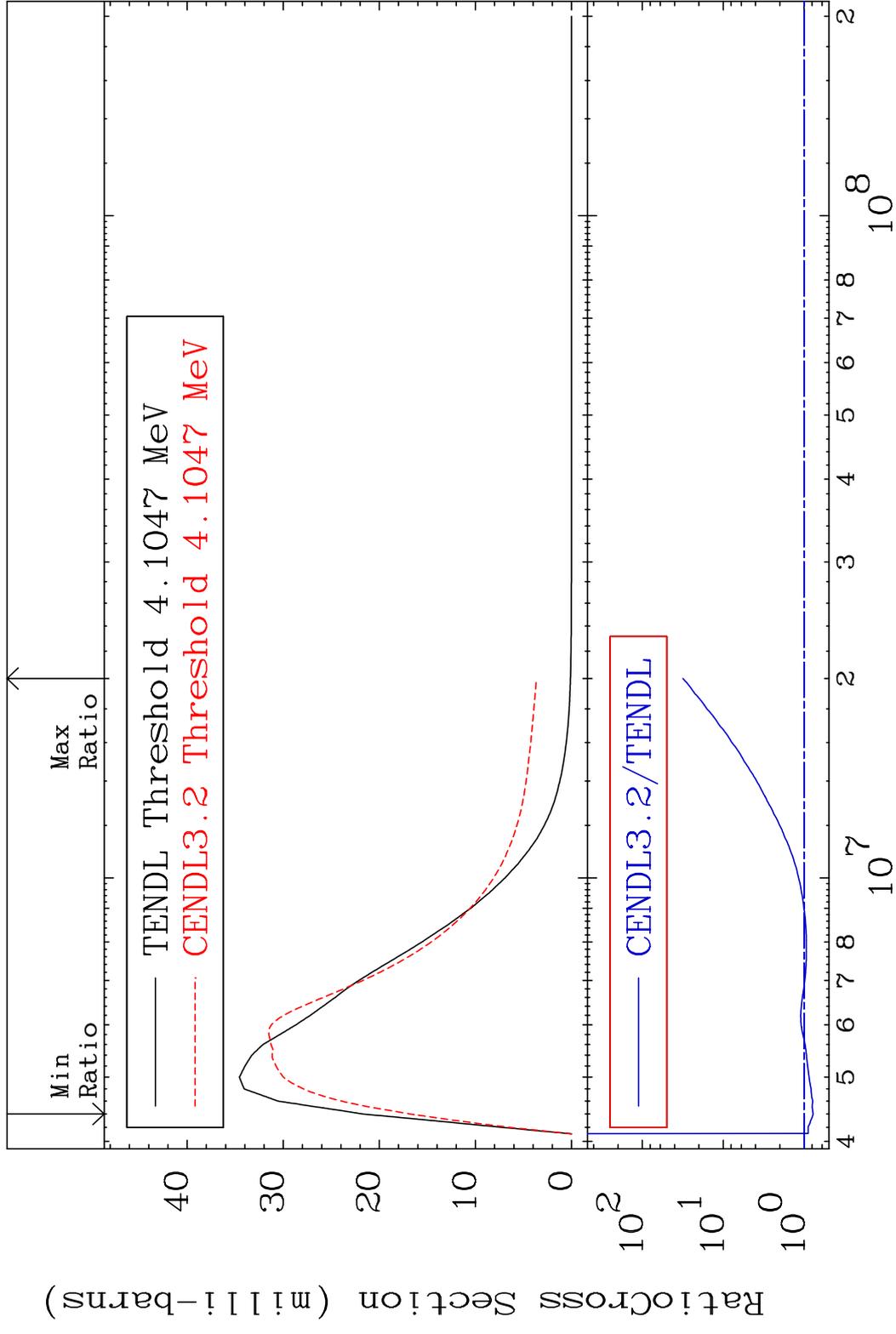
MAT 1325 MT= 56 (n,n') Level 13-A1-27  
 Cross Section -63.97 To 26.02 %



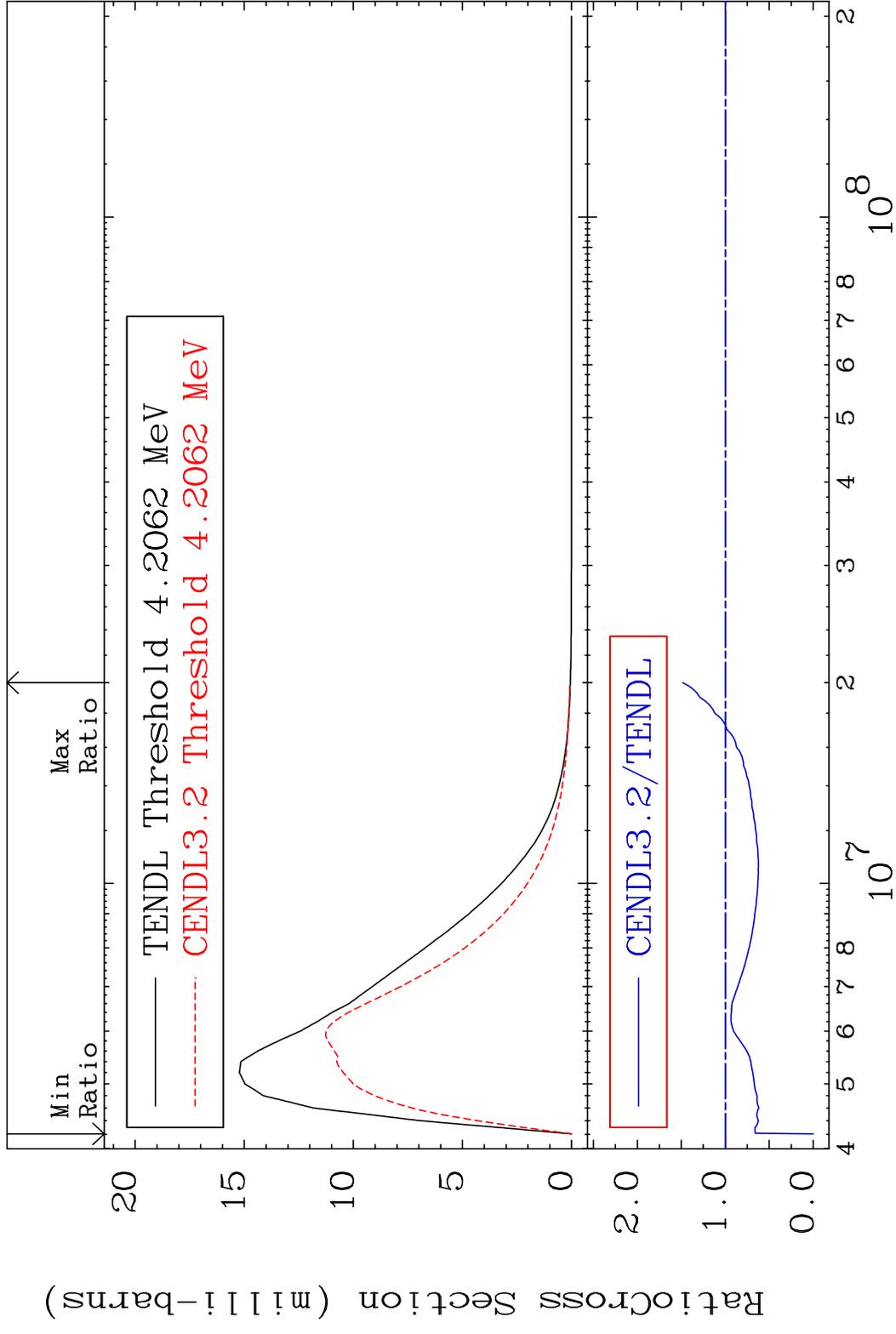
MAT 1325 MT= 57 (n,n') Level 13-Al-27  
 Cross Section -100.0 To 45.97 %



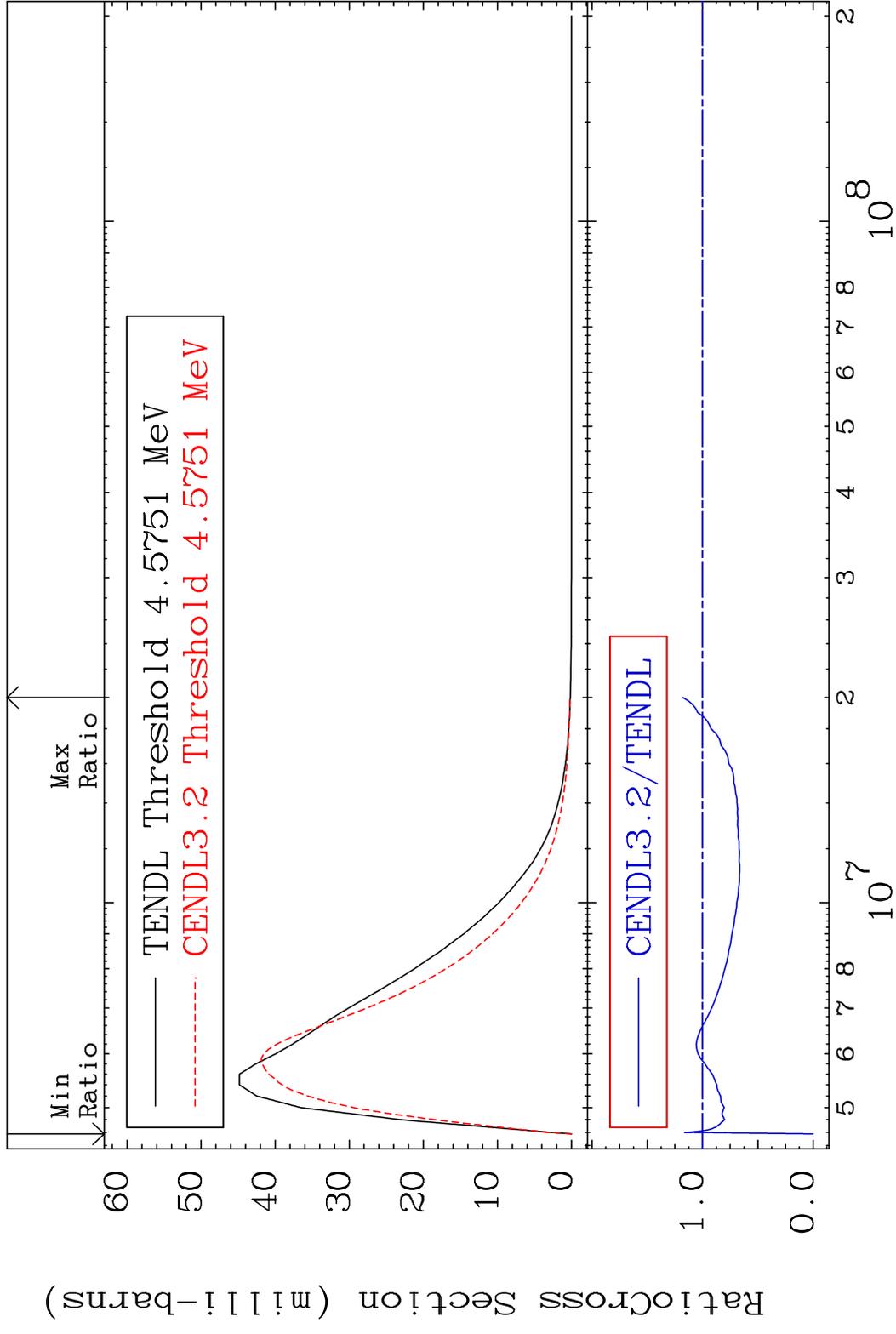
MAT 1325 MT= 58 (n, n') Level 13-A1-27  
 Cross Section -22.60 To 3059. %



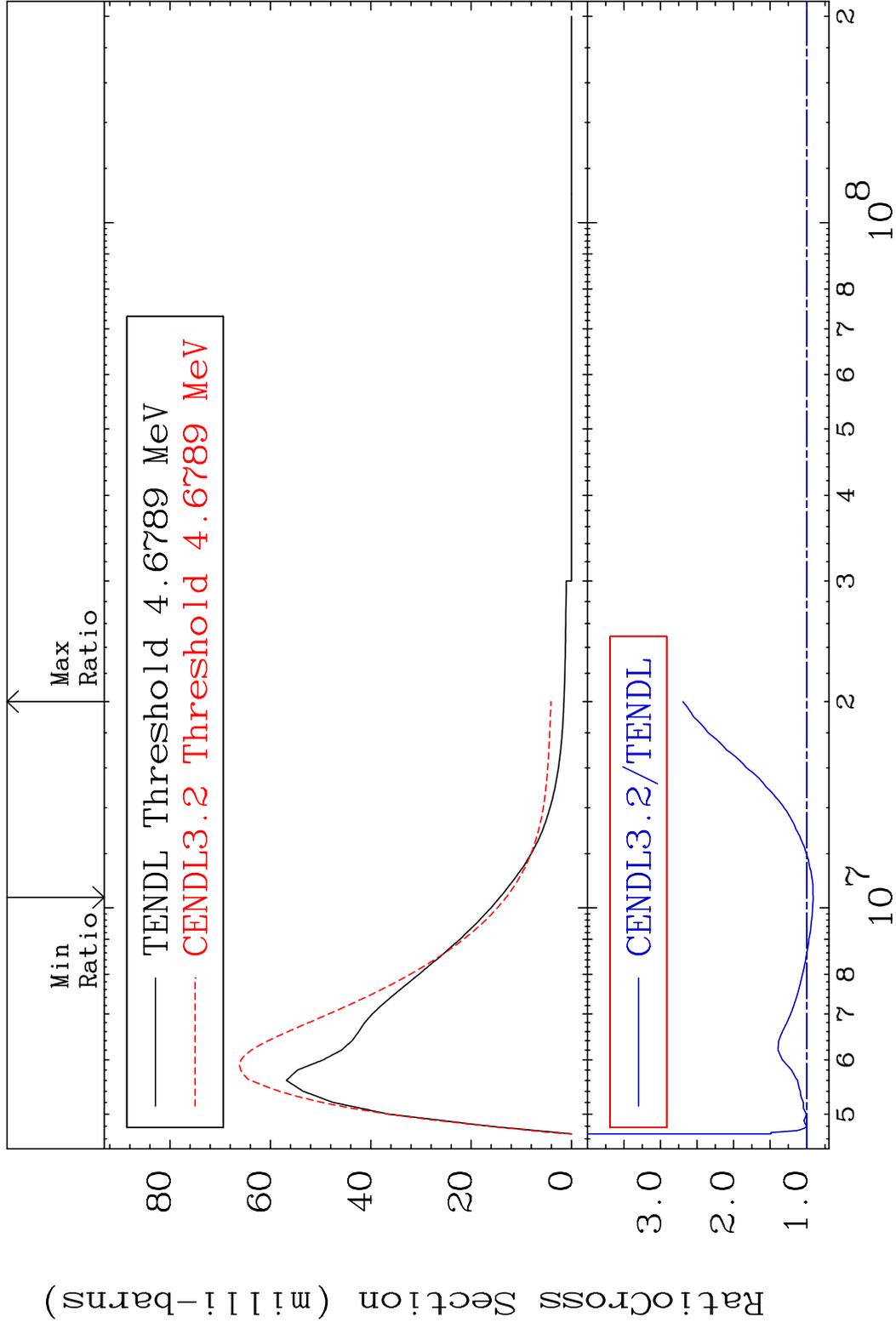
MAT 1325 MT= 59 (n, n') Level 13-A1-27  
 Cross Section -100.0 To 48.28 %



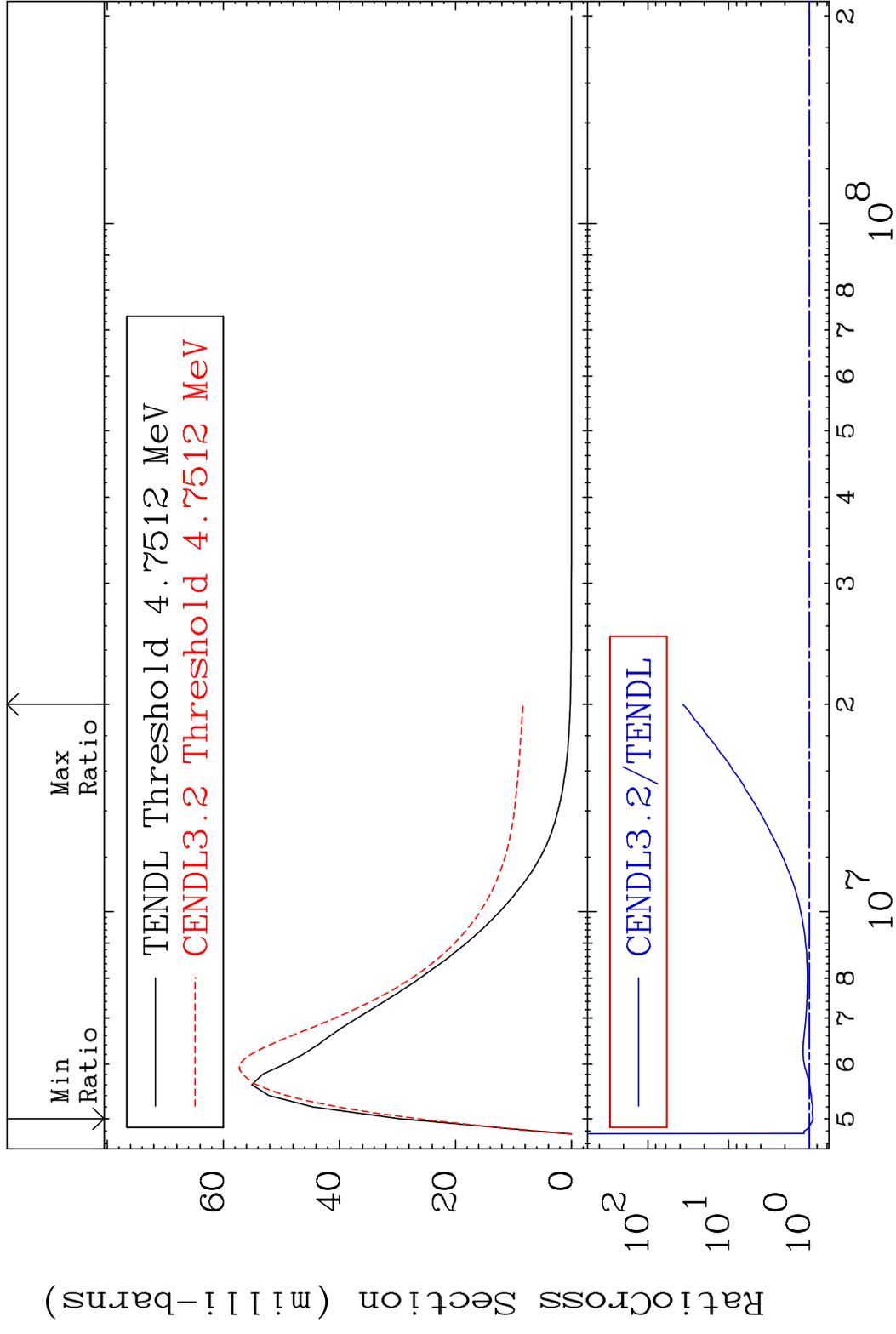
MAT 1325 MT= 60 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 17.85 %



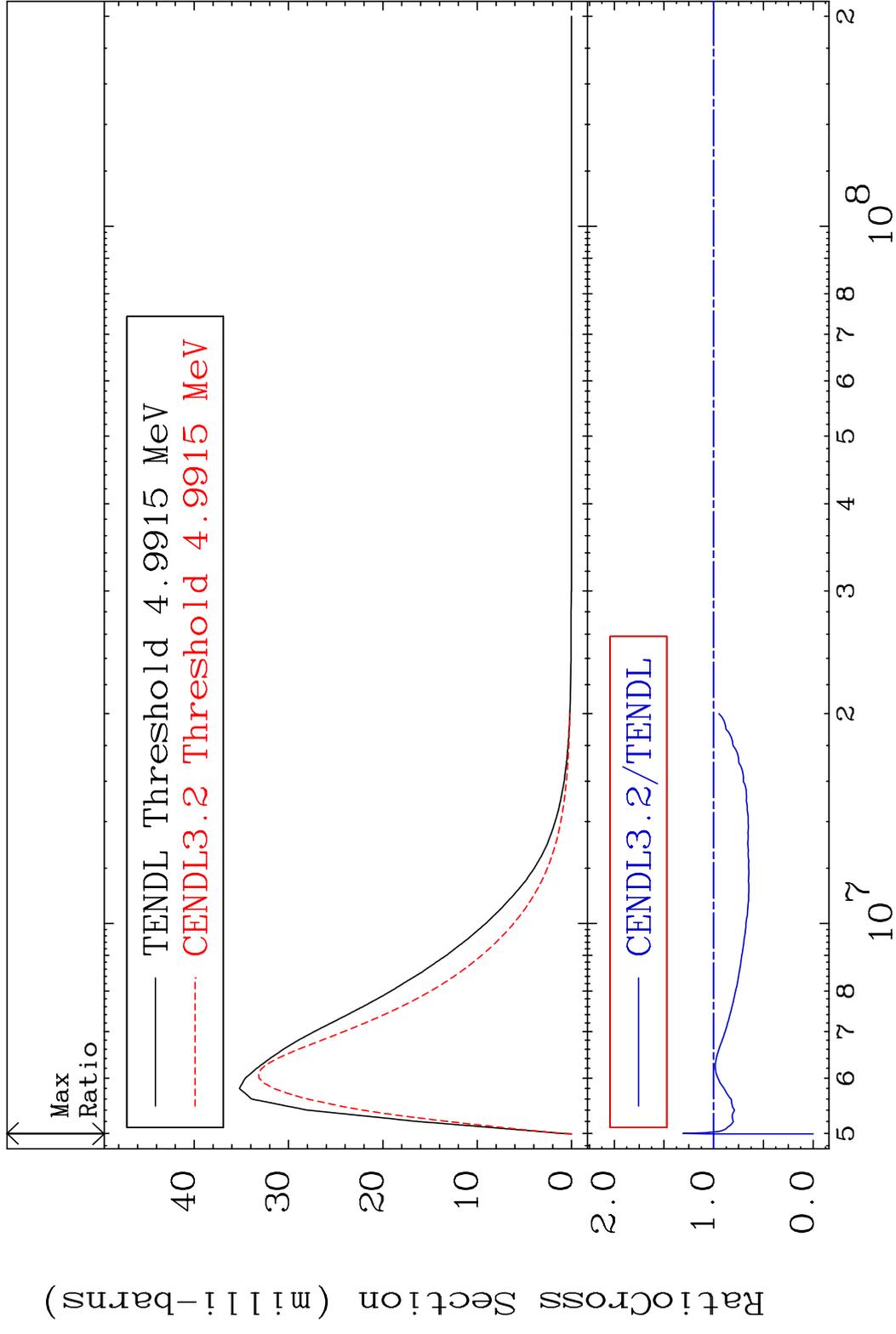
MAT 1325 MT= 61 (n, n') Level 13-A1-27  
 Cross Section -8.818 To 169.4 %



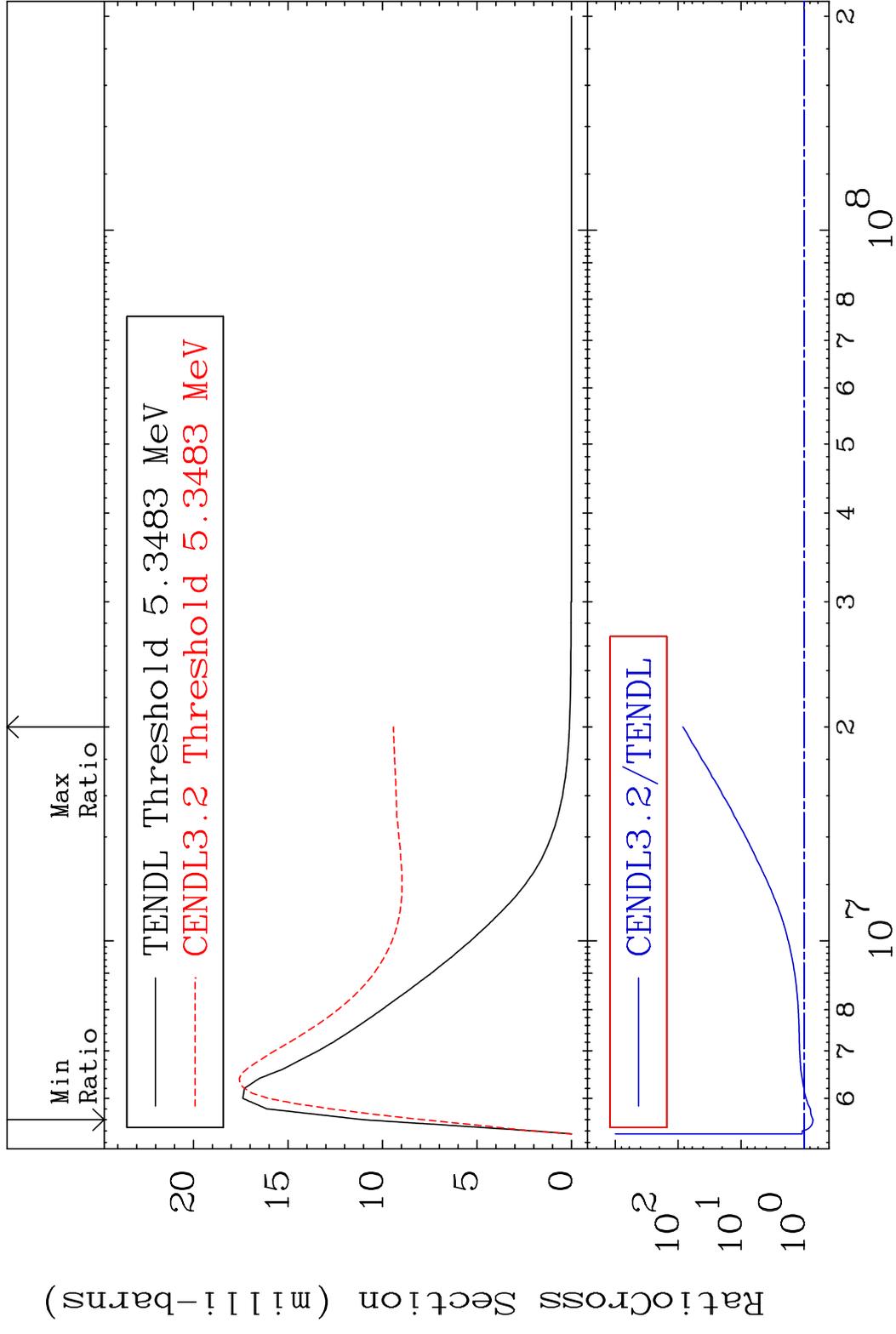
MAT 1325 MT= 62 (n,n') Level 13-Al-27  
 Cross Section -10.50 To 3591. %



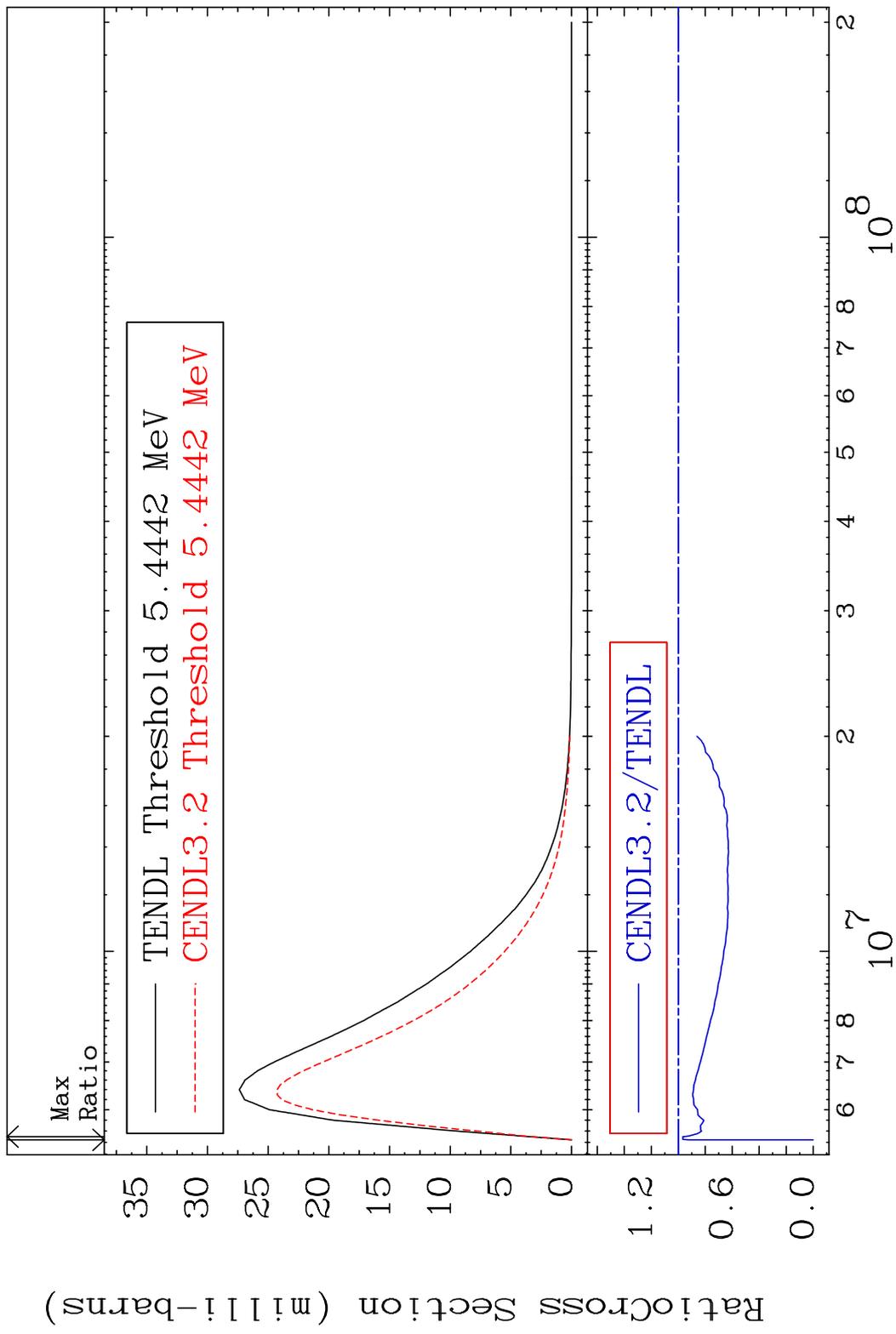
MAT 1325 MT= 63 (n, n') Level 13-Al-27  
 Cross Section -100.0 To 31.08 %



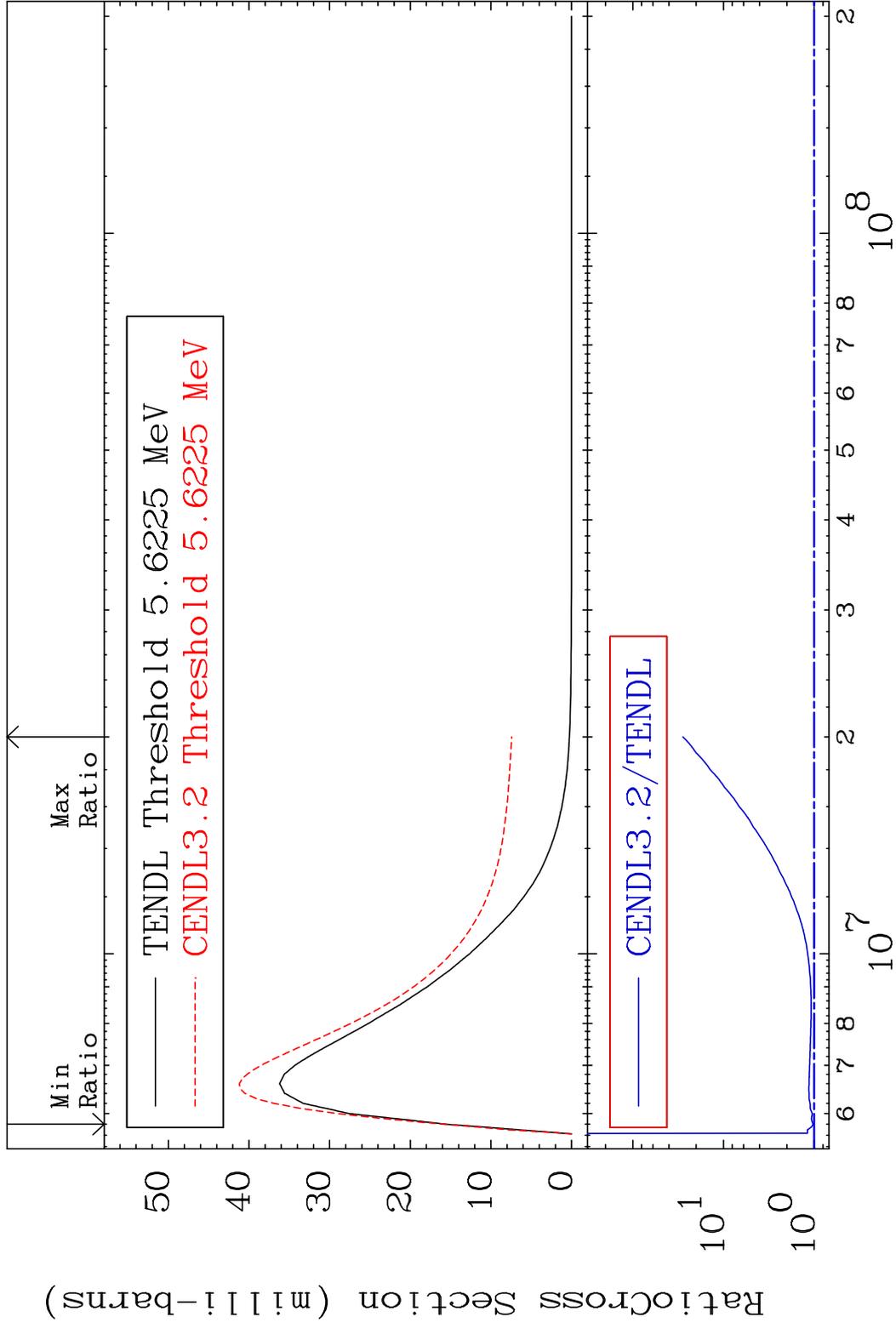
MAT 1325 MT= 64 (n,n') Level 13-A1-27  
 Cross Section -28.56 To 8335. %



MAT 1325 MT= 65 (n,n') Level 13-A1-27  
 Cross Section -100.0 To -3.391%



MAT 1325 MT= 66 (n,n') Level 13-A1-27  
 Cross Section 2.655 To 2707. %

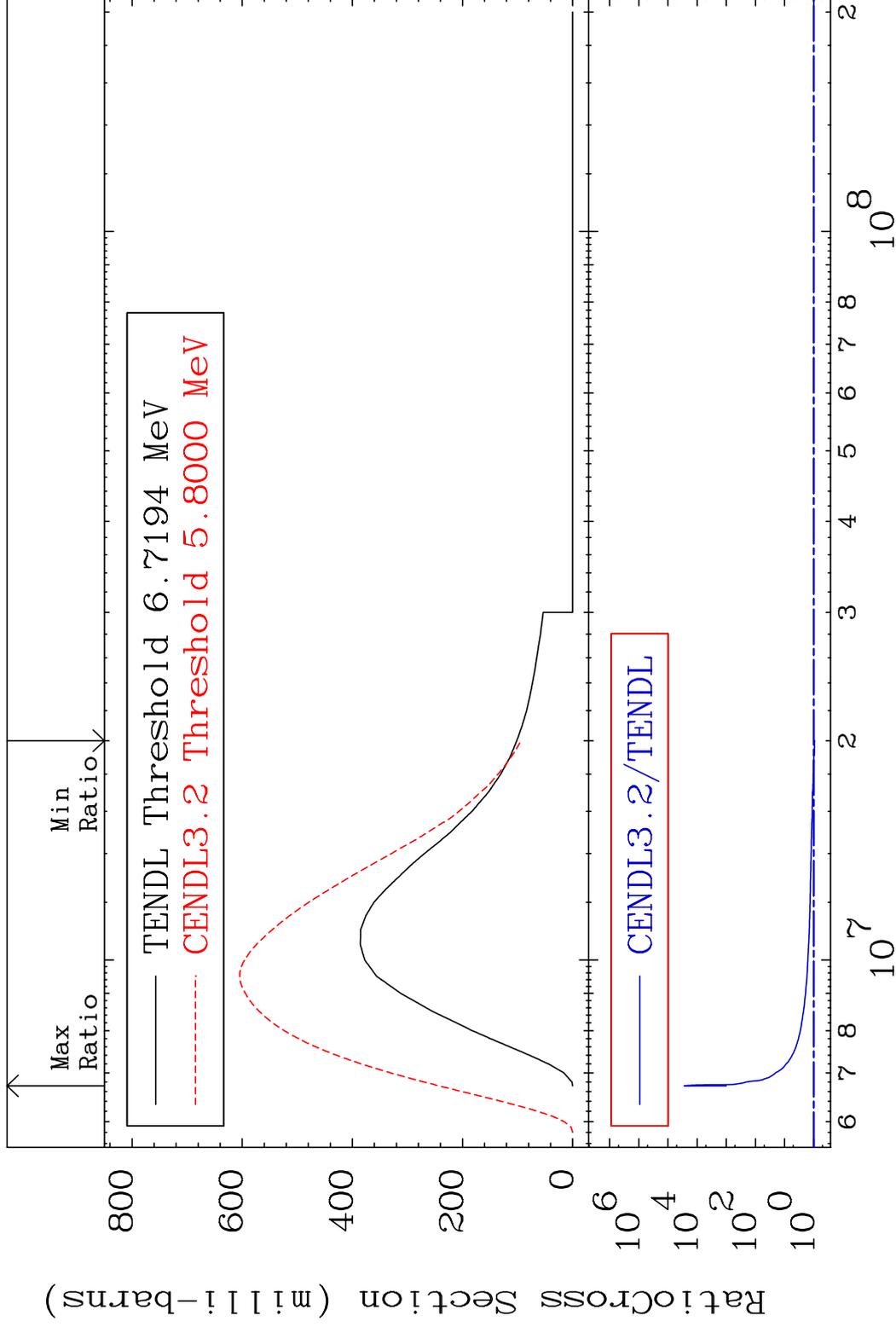


MAT 1325

(n,n') Continuum

13-Al-27

Cross Section -7.404 To 9999. %

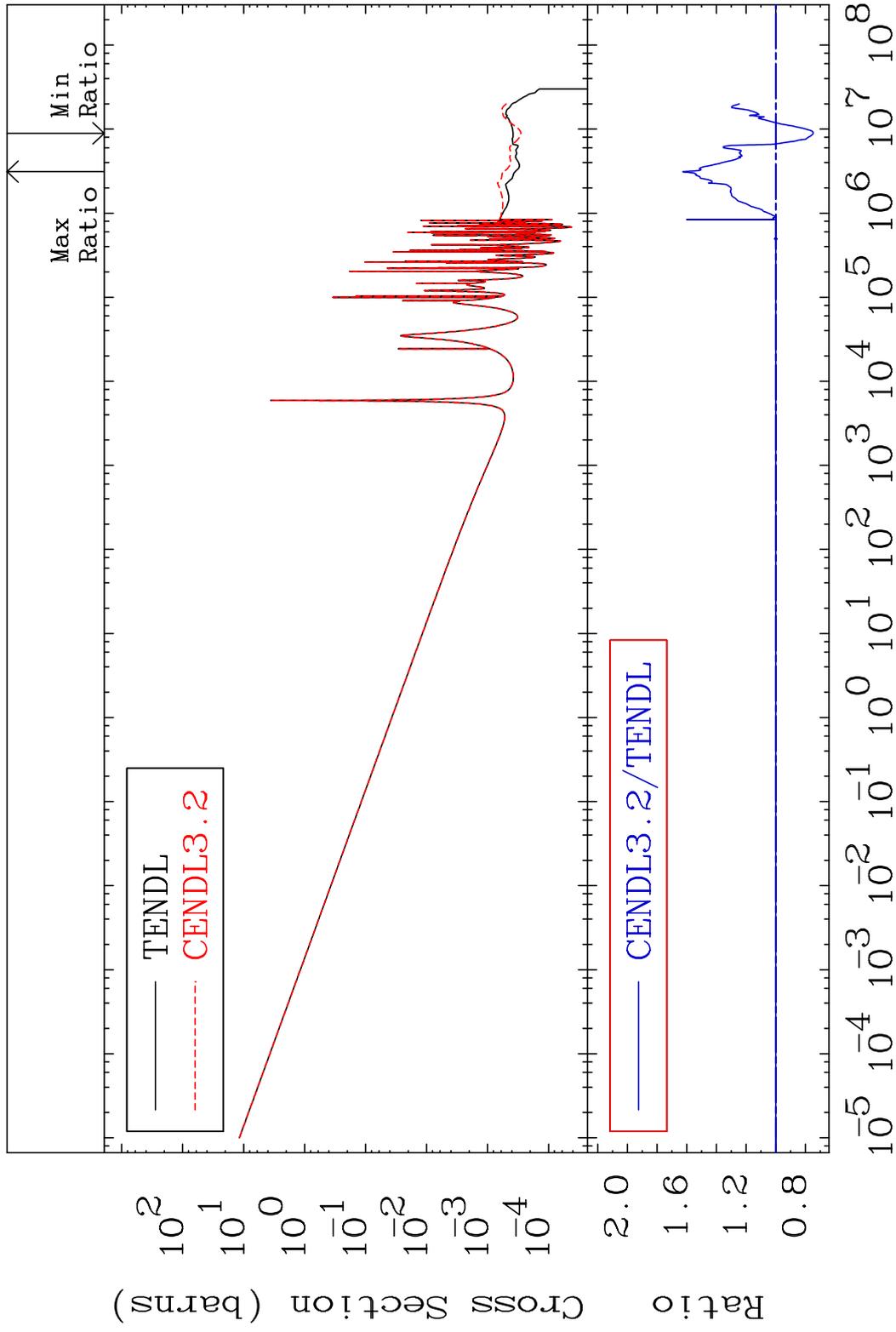


MAT 1325

(n,  $\gamma$ )

13-A1-27

Cross Section -25.24 To 62.64 %



24

Incident Energy (eV)

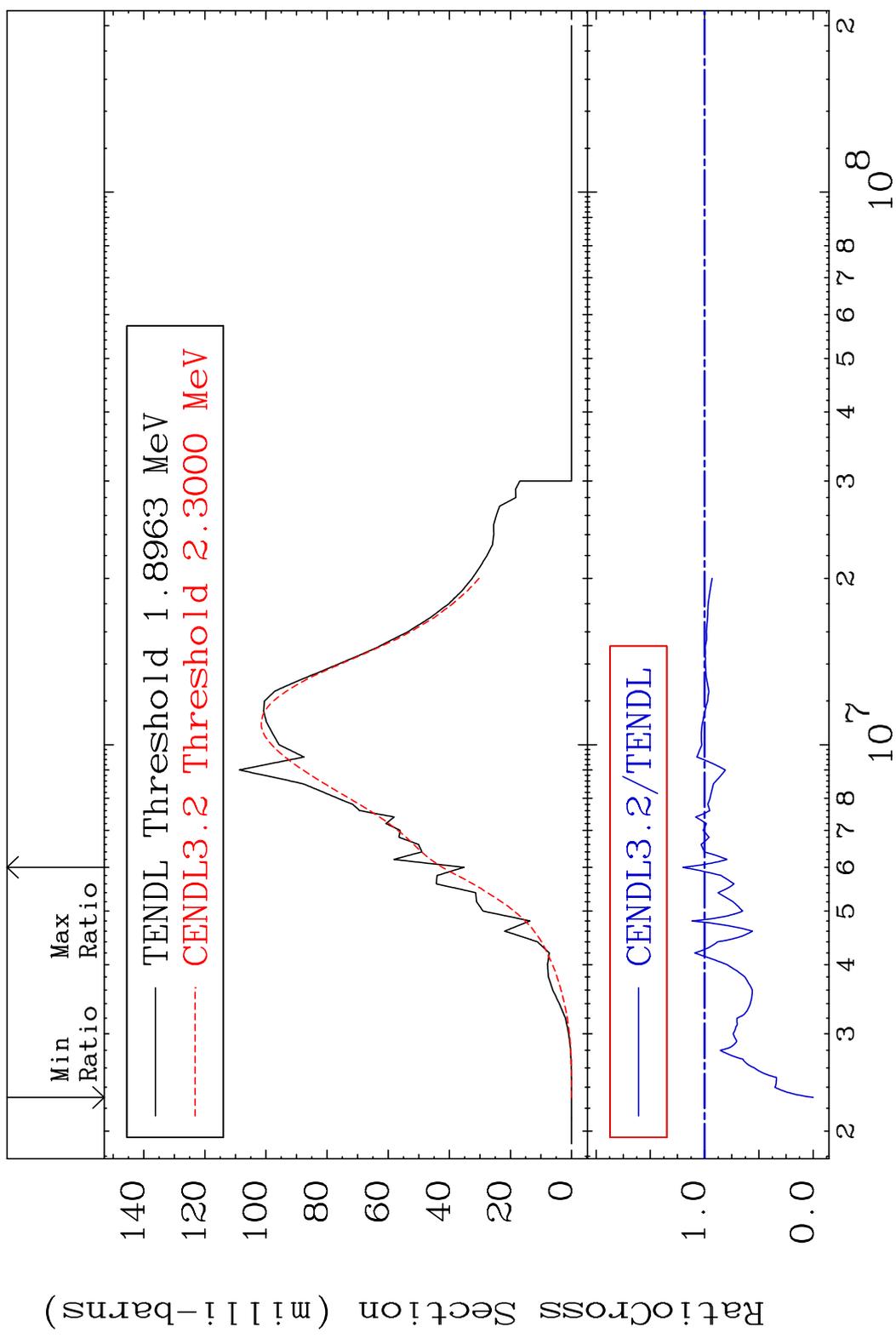
13-A1-27

MAT 1325

(n,p)

13-A1-27

Cross Section -100.0 To 20.05 %



25

Incident Energy (eV)

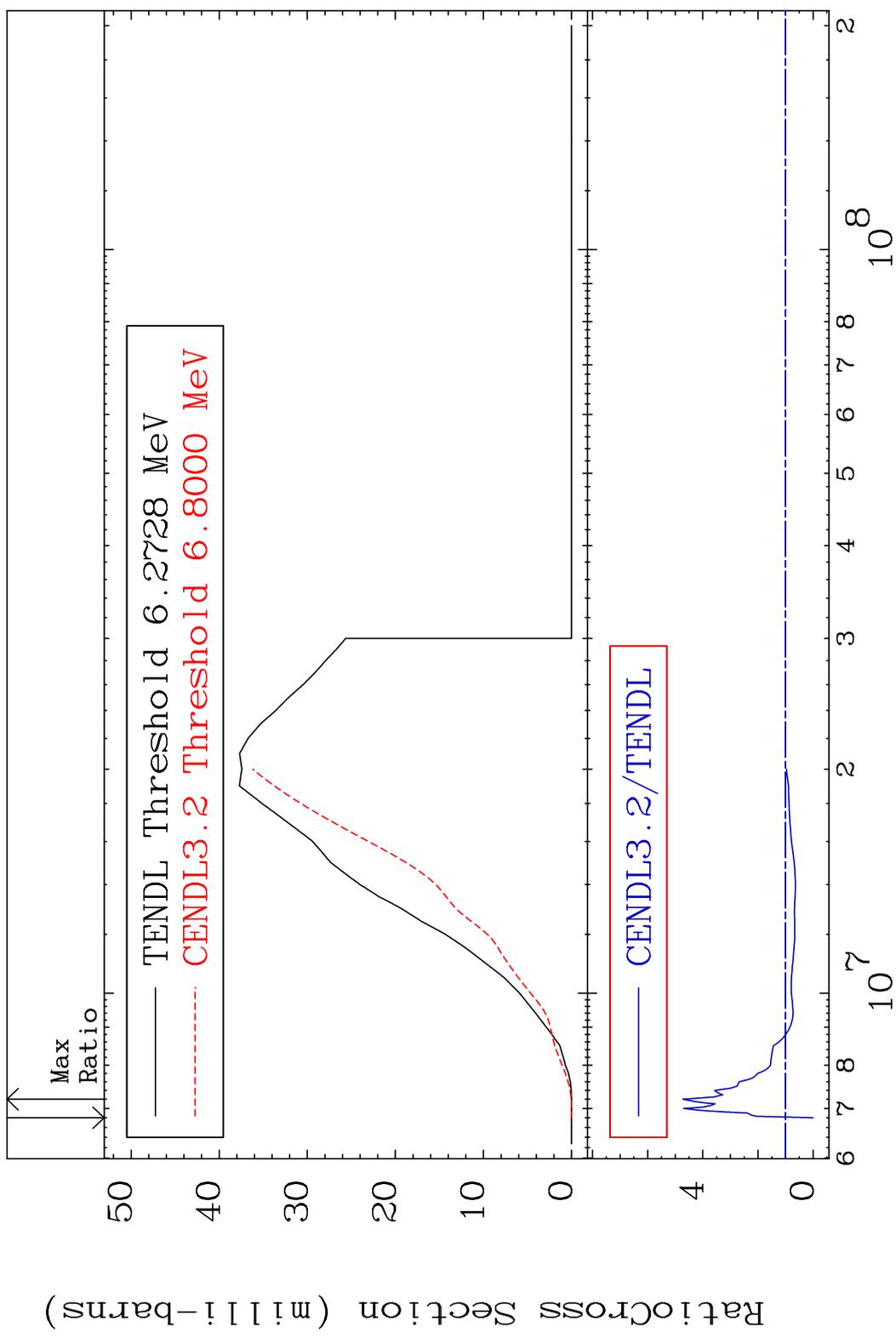
13-A1-27

MAT 1325

(n,d)

13-Al-27

Cross Section -100.0 To 372.5 %

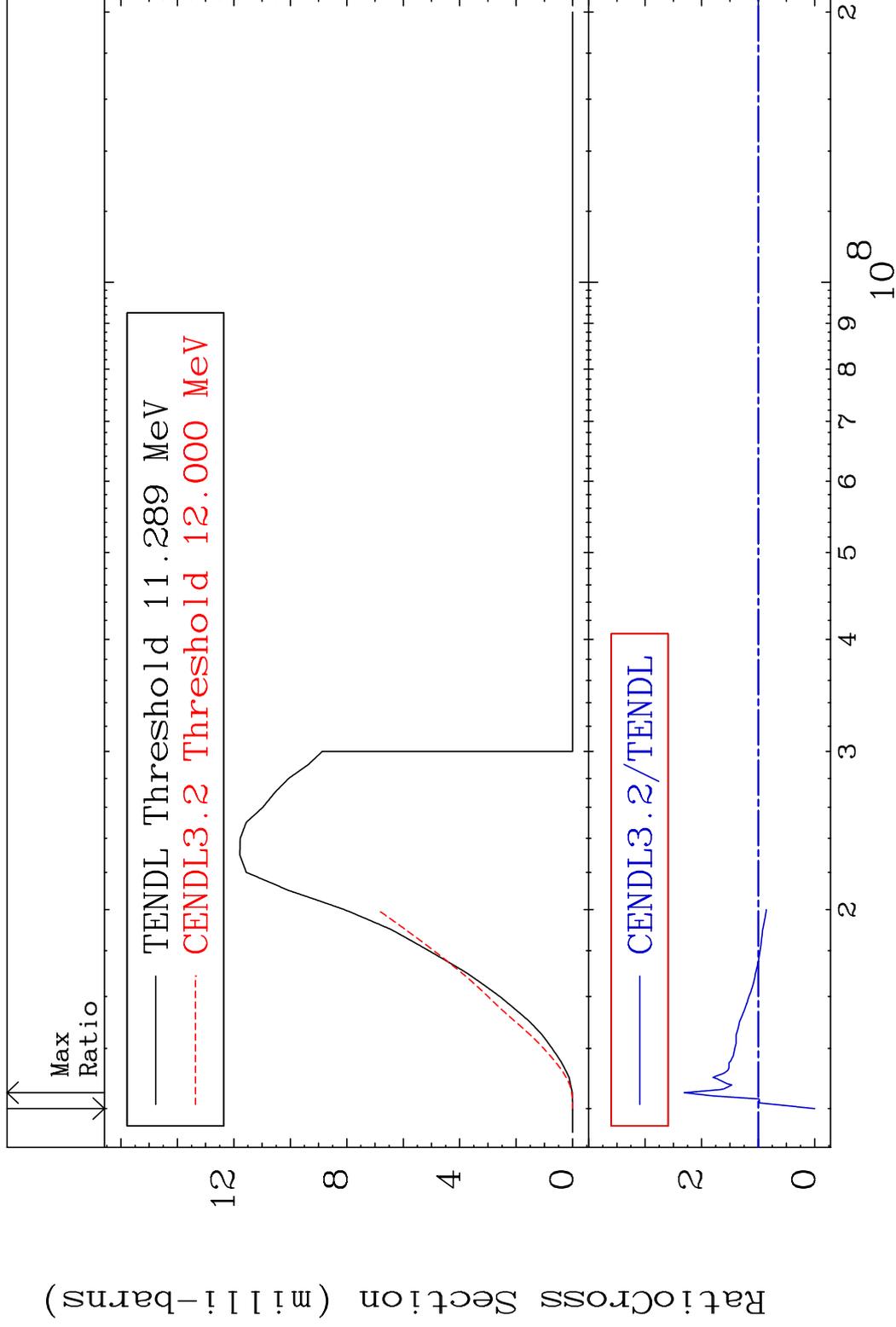


MAT 1325

(n, t)

13-Al-27

Cross Section -100.0 To 131.0 %



27

Incident Energy (eV)

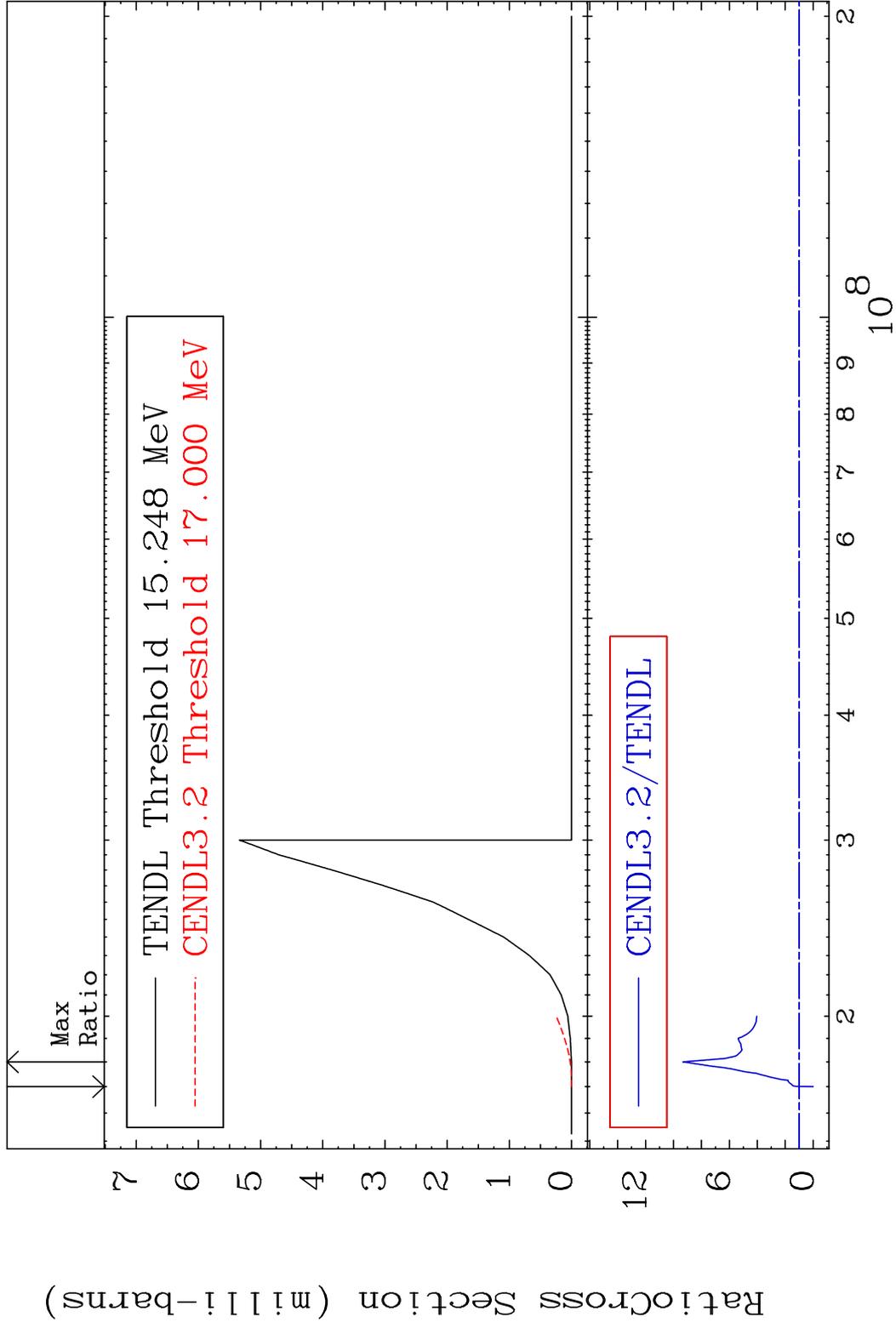
13-Al-27

MAT 1325

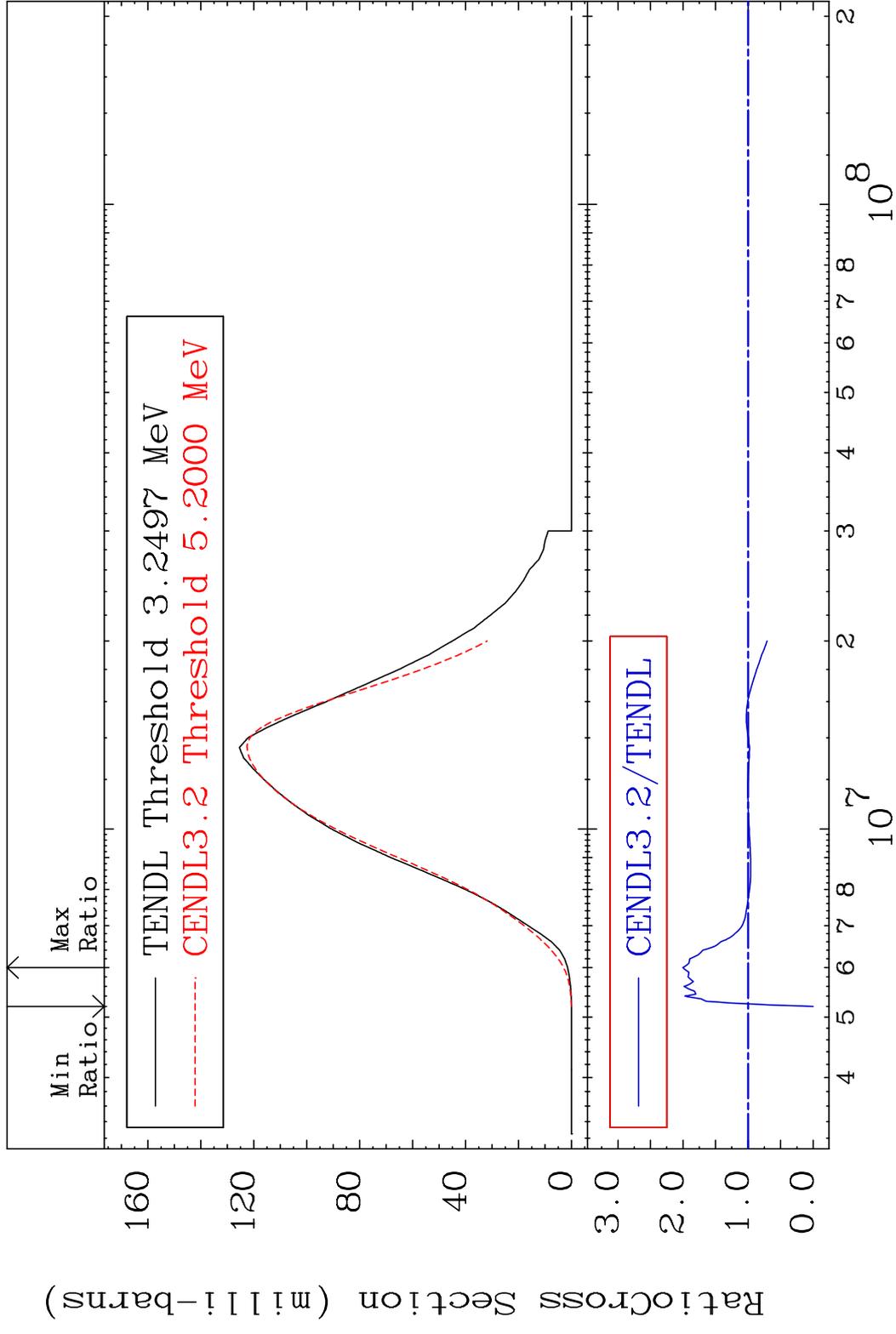
(n, He-3)

13-A1-27

Cross Section -100.0 To 833.2 %



MAT 1325 (n,  $\alpha$ ) 13-Al-27  
 Cross Section -100.0 To 100.3 %

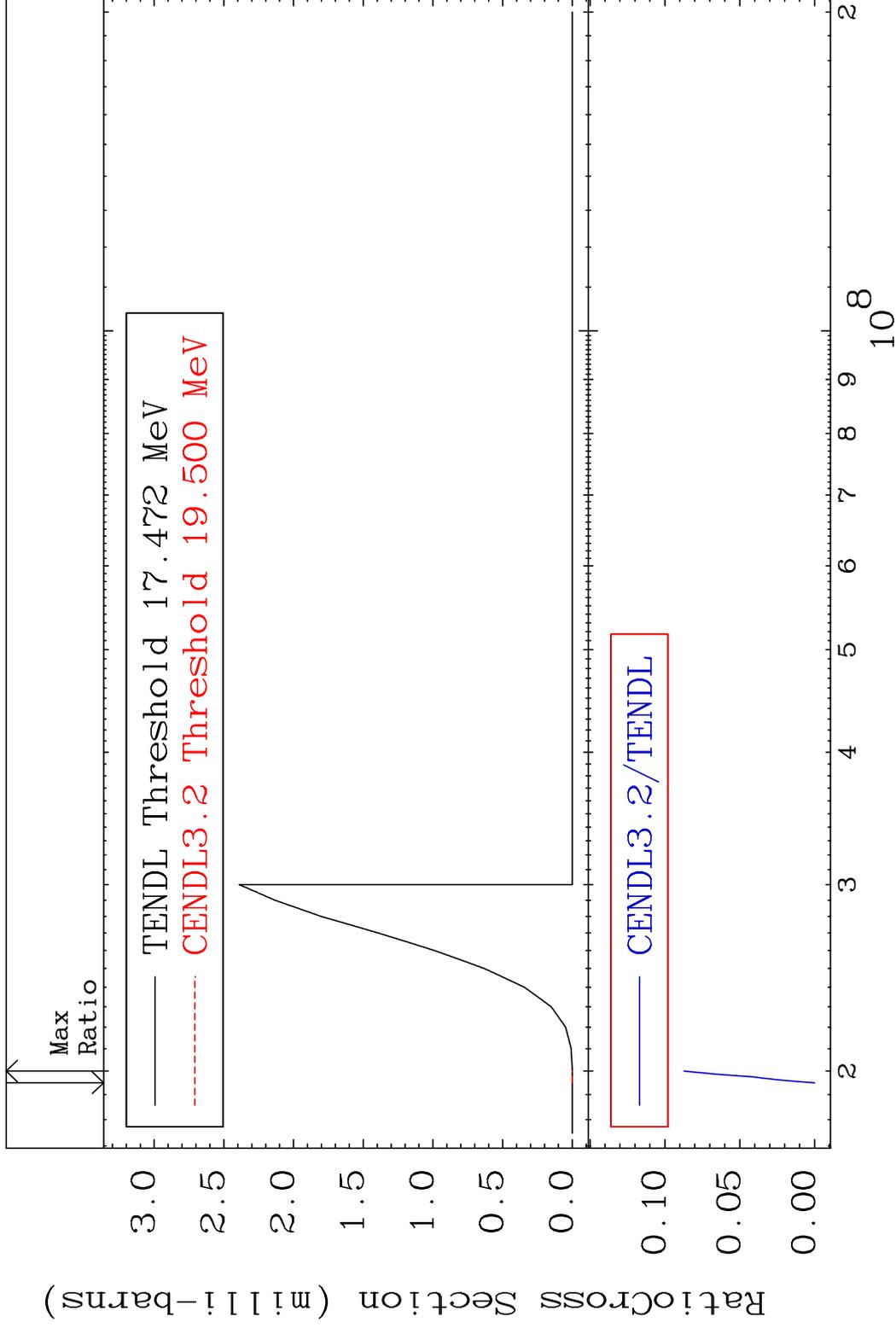


MAT 1325

(n,2p)

13-A1-27

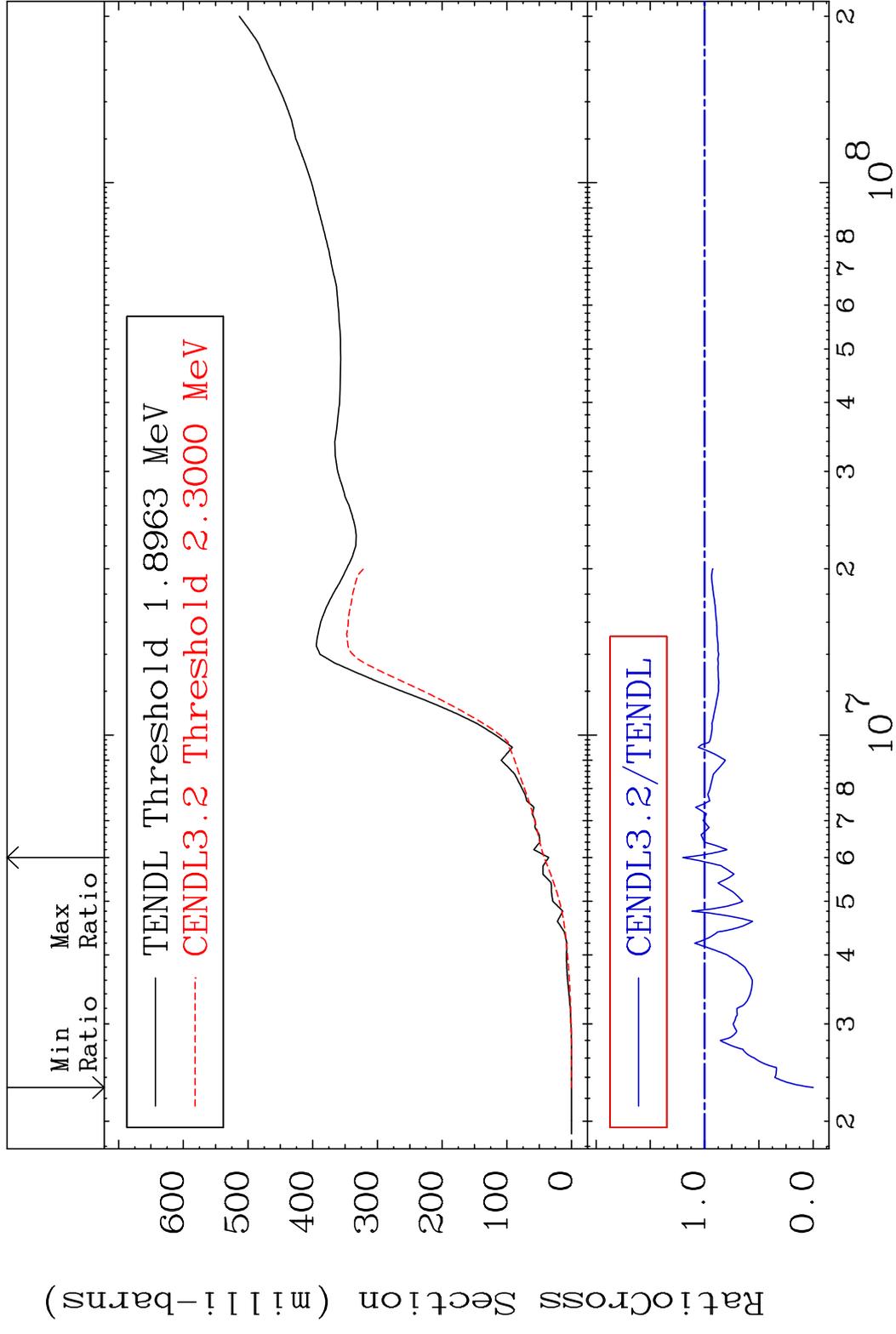
Cross Section -100.0 To -91.27%



30

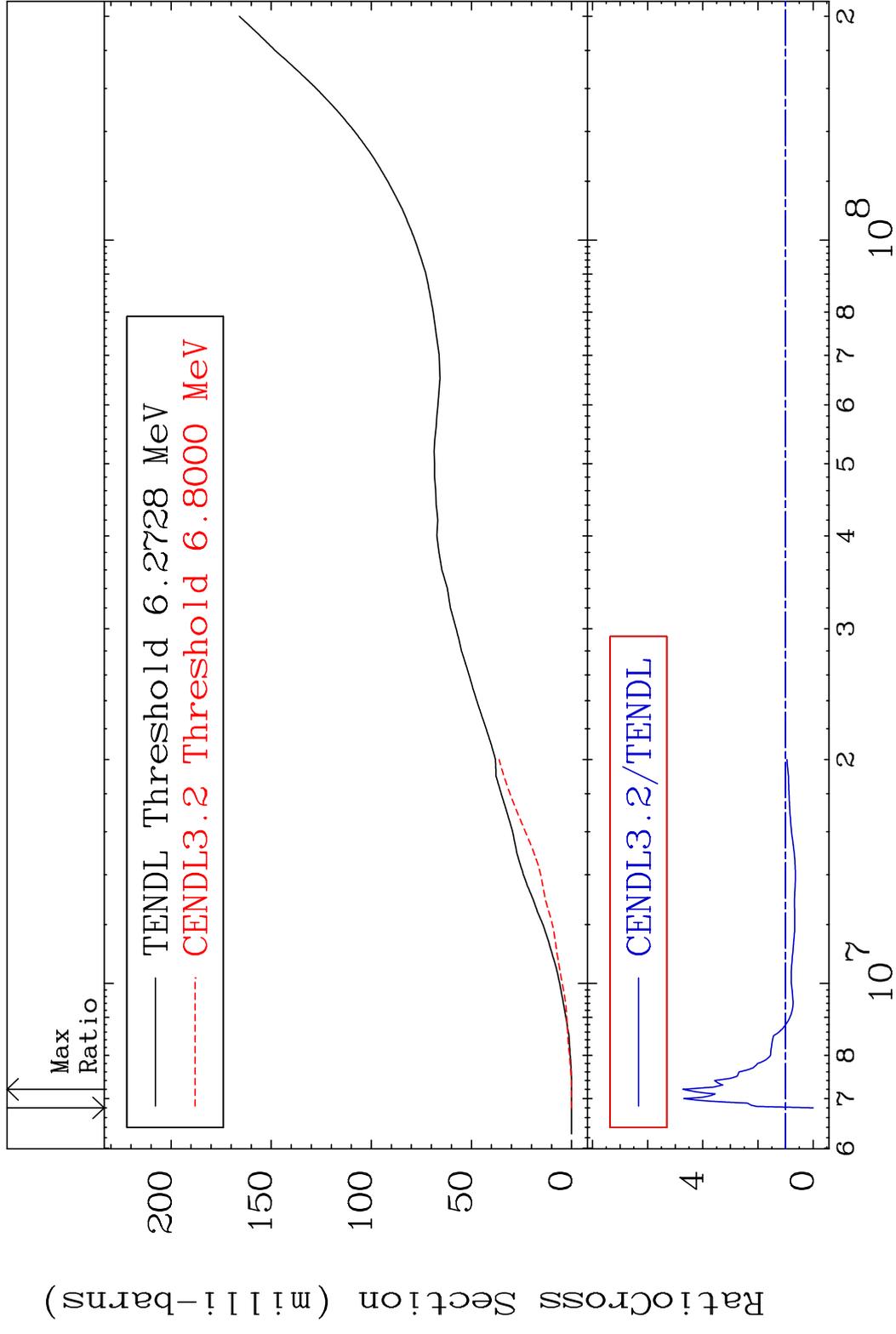
Incident Energy (eV)

13-A1-27



MAT 1325

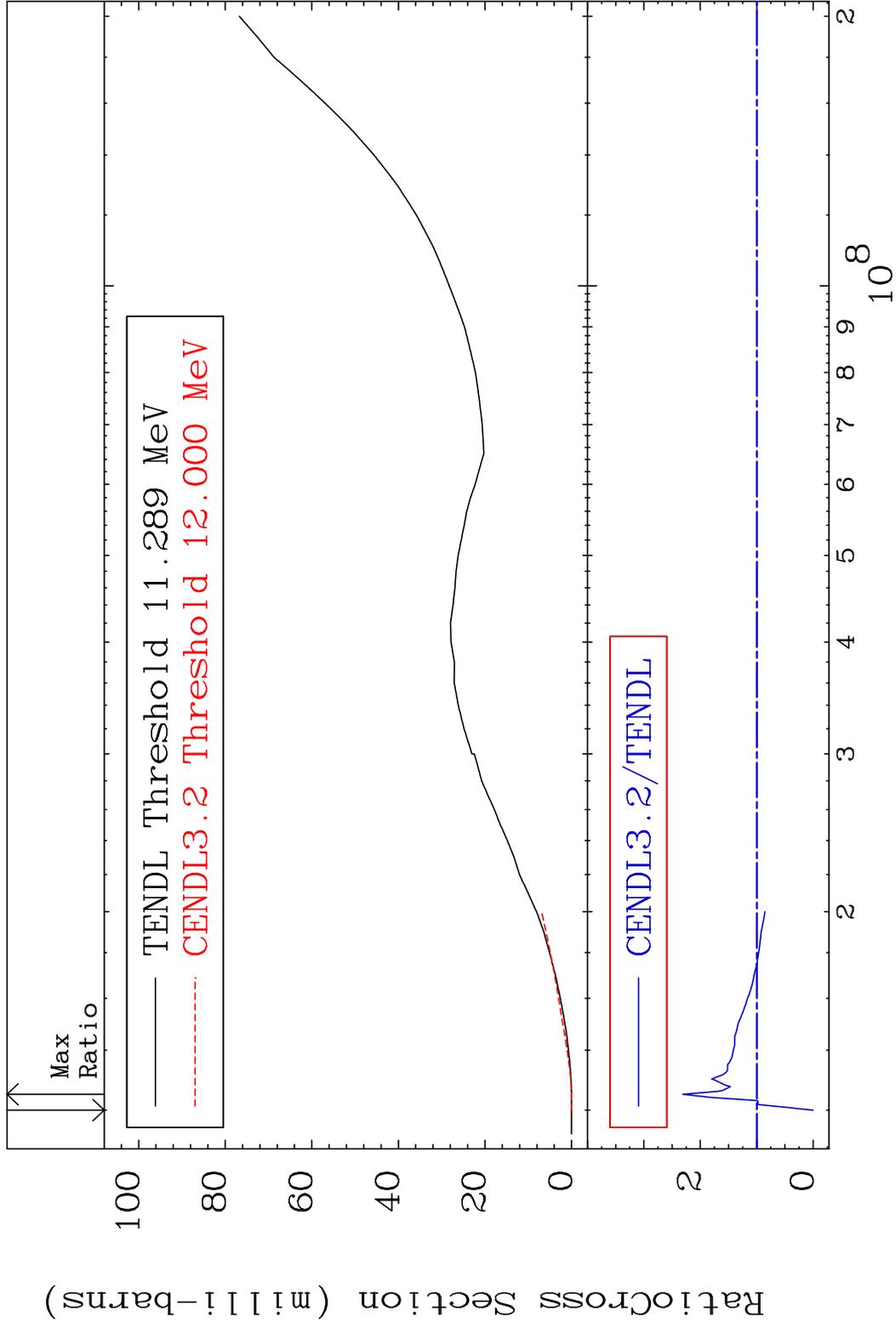
Deuterium Production 13-Al-27  
Cross Section -100.0 To 372.5 %



32

Incident Energy (eV) 13-Al-27

MAT 1325 Tritium Production 13-A1-27  
 Cross Section -100.0 To 131.0 %

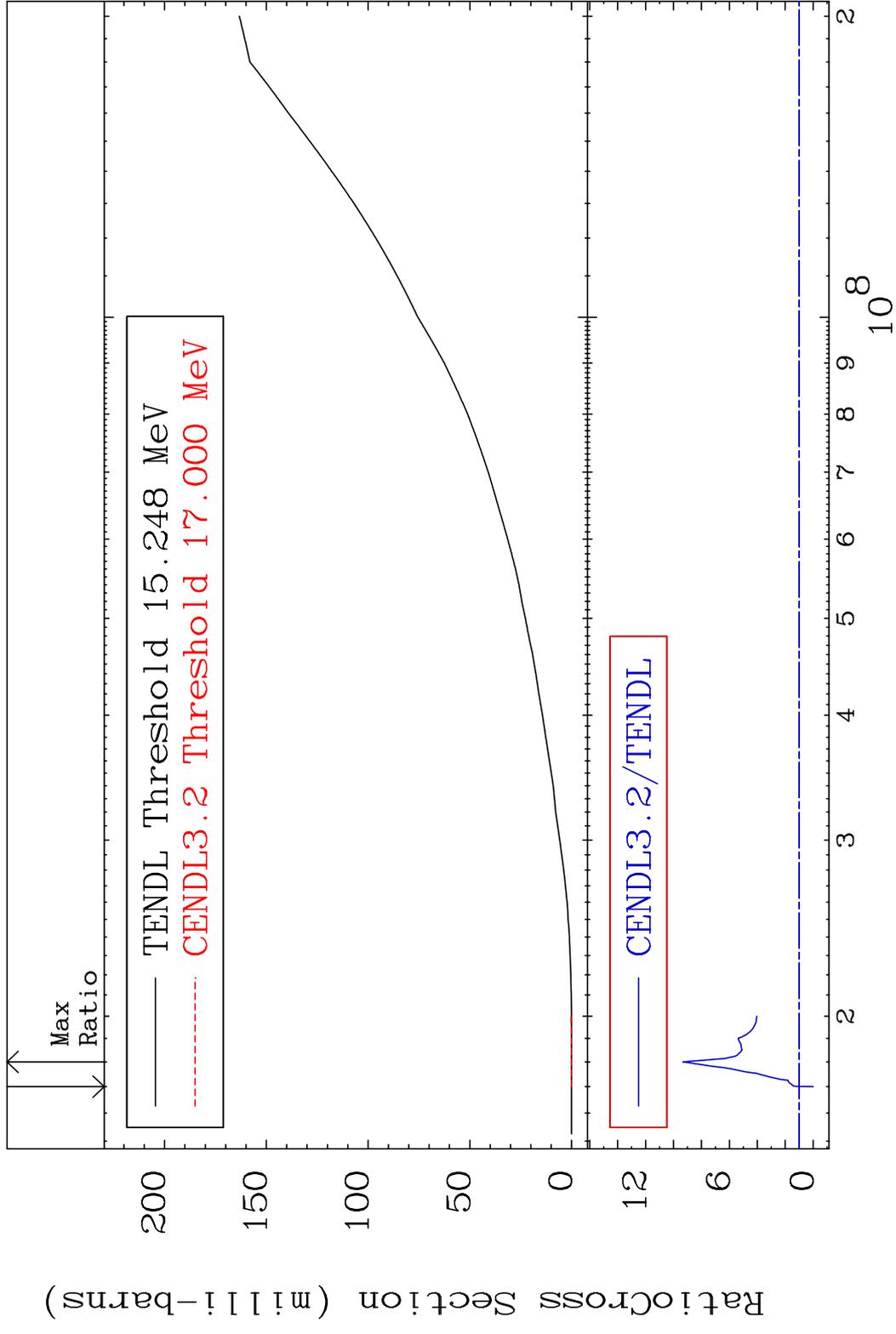


MAT 1325

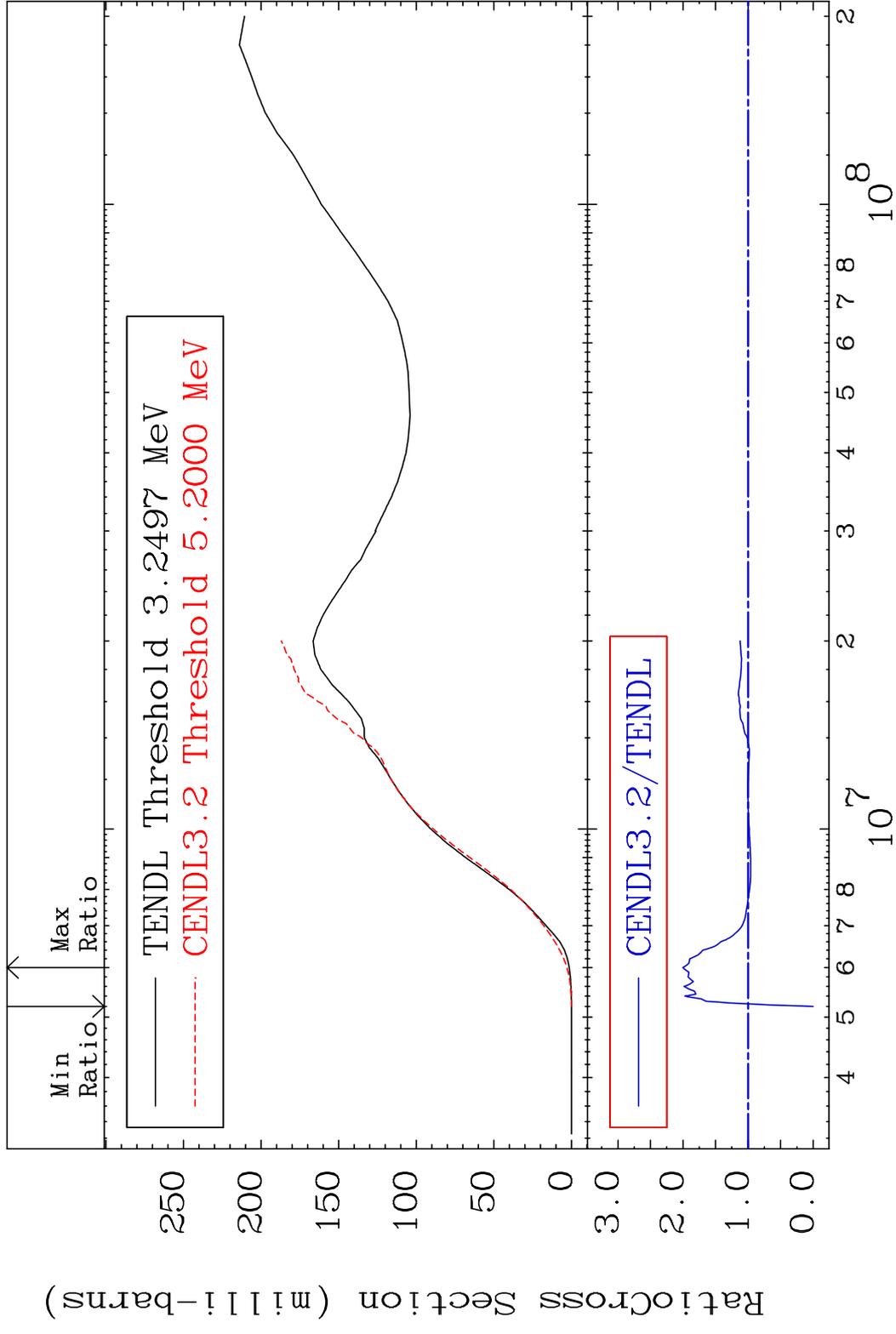
He-3 Production

13-A1-27

Cross Section -100.0 To 833.2 %



Cross Section -100.0 To 100.3 %

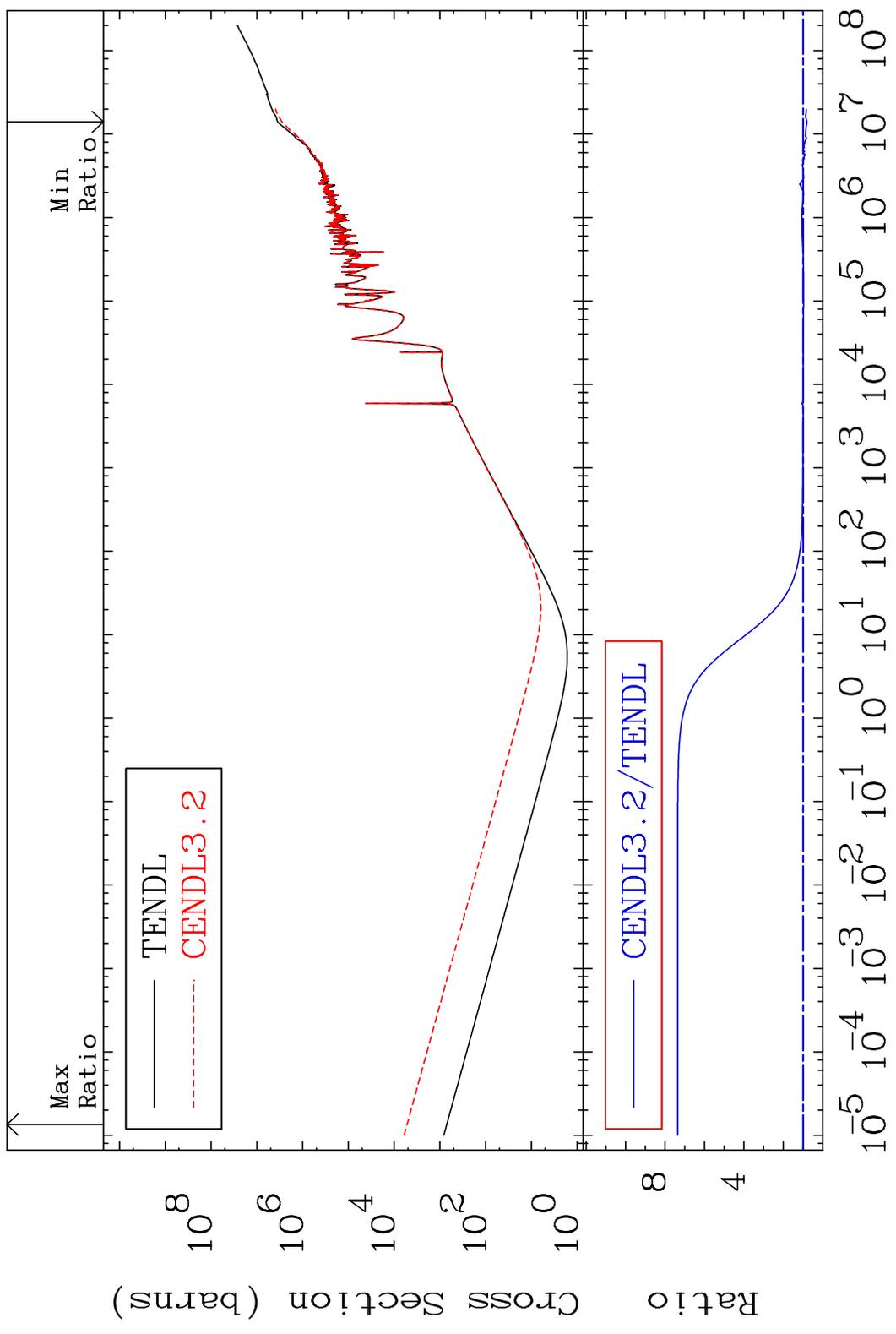


MAT 1325

Kerma total (eV-barns)

13-A1-27

Cross Section -19.86 To 635.9 %



36

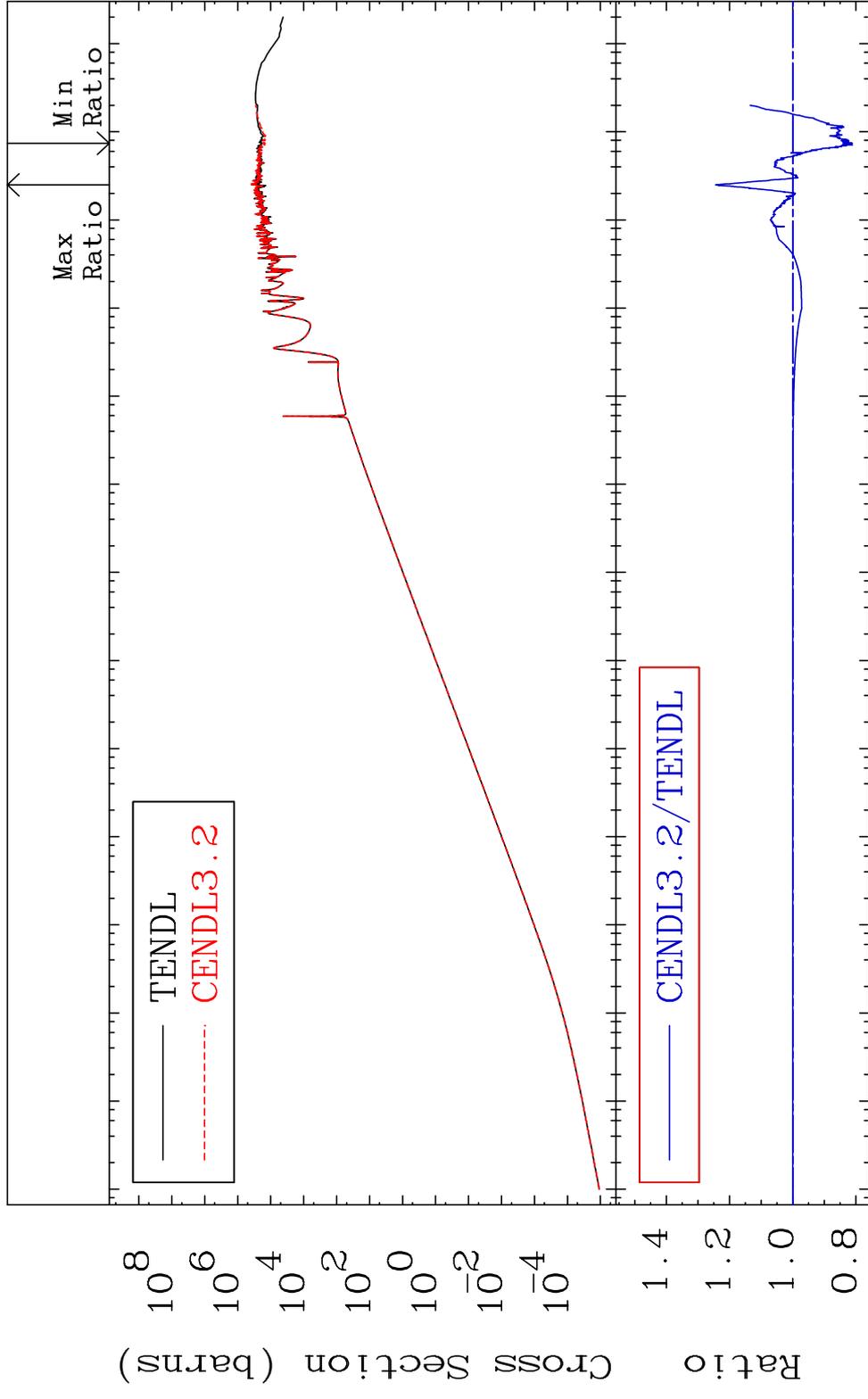
Incident Energy (eV)

13-A1-27

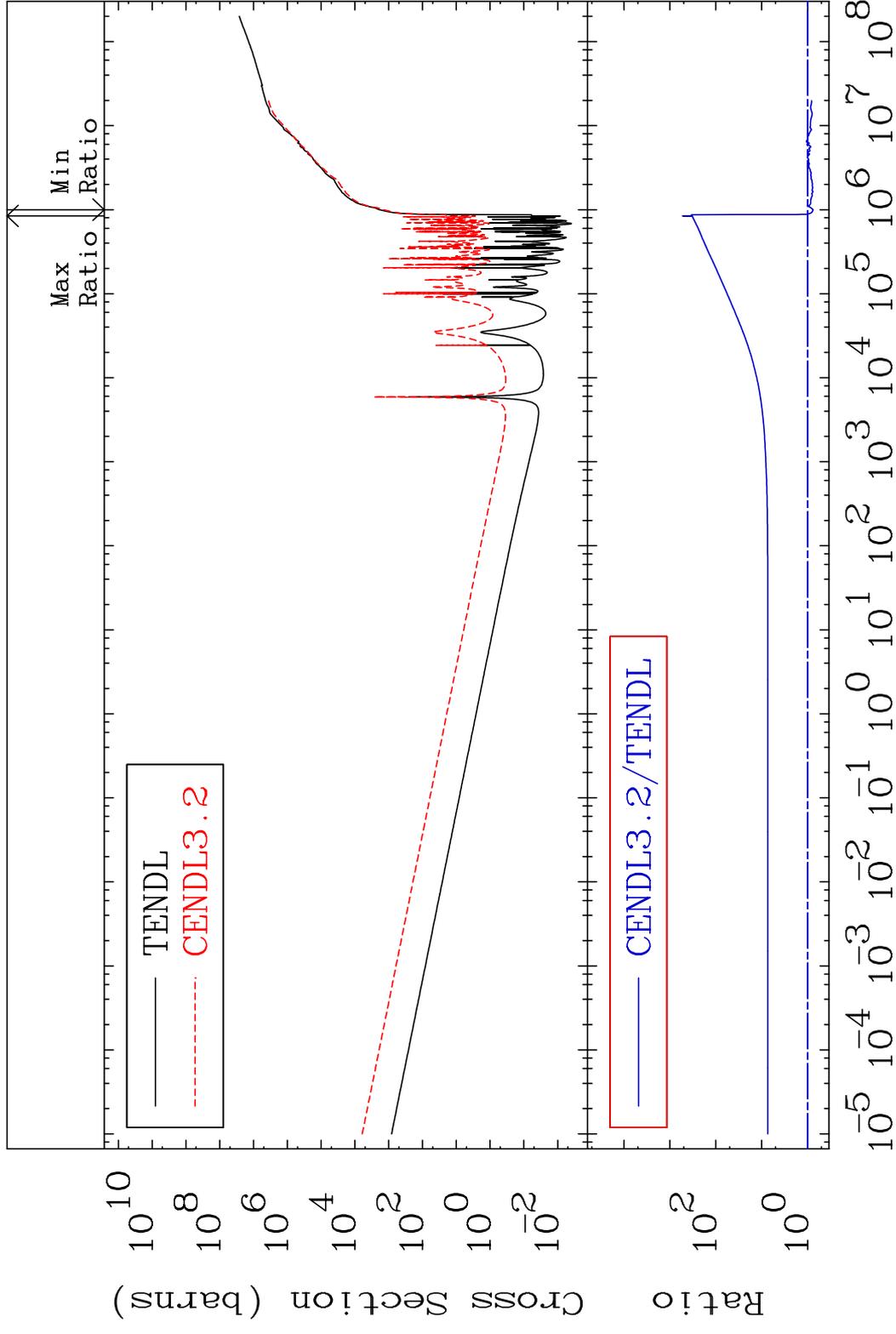
MAT 1325

Kerma elastic  
Cross Section -18.91 To 24.34 %

13-A1-27



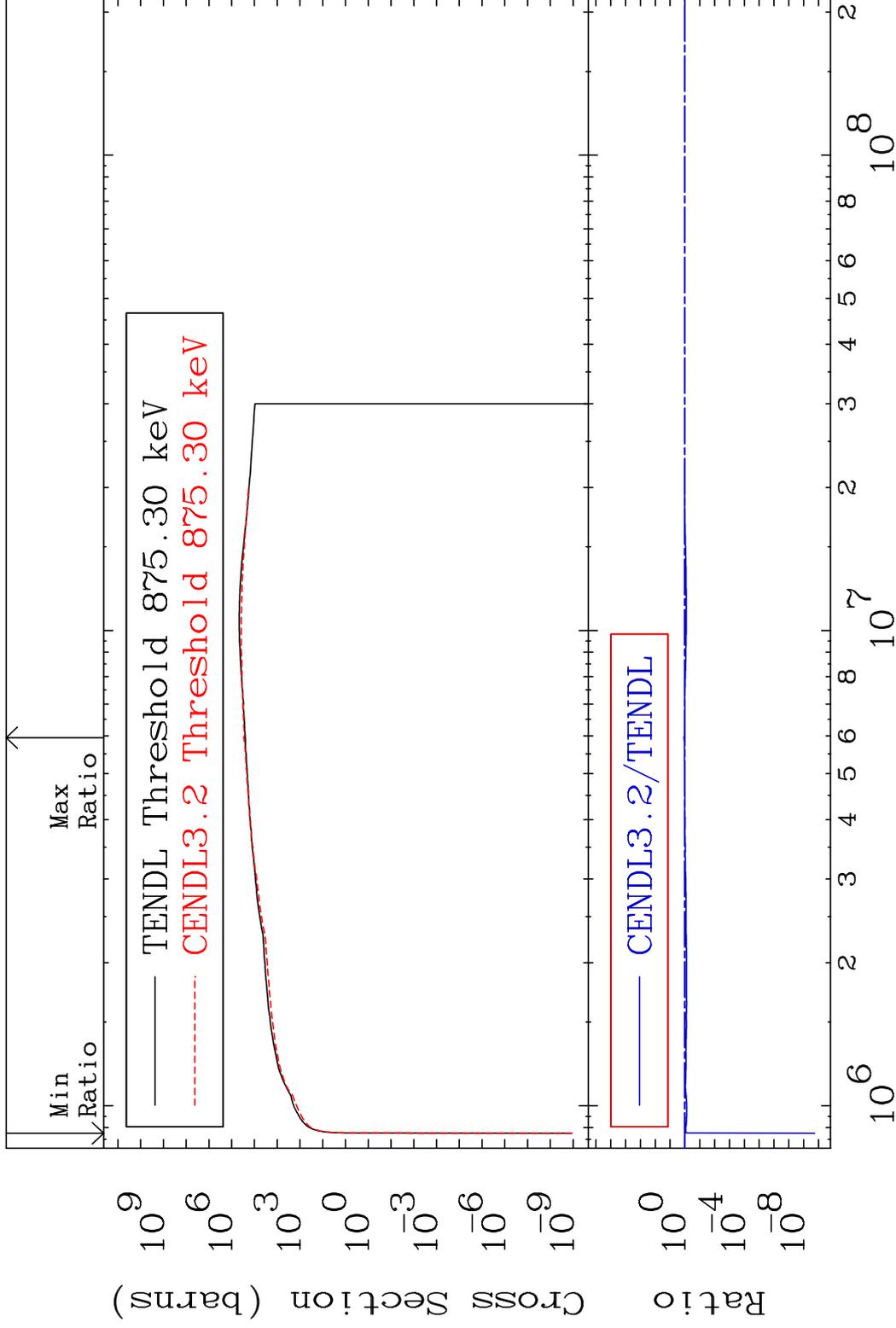
MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27  
 Cross Section -24.18 To 9999. %



MAT 1325

Kerma inelastic (mt51-91) 13-Al-27

Cross Section -100.0 To 16.77 %

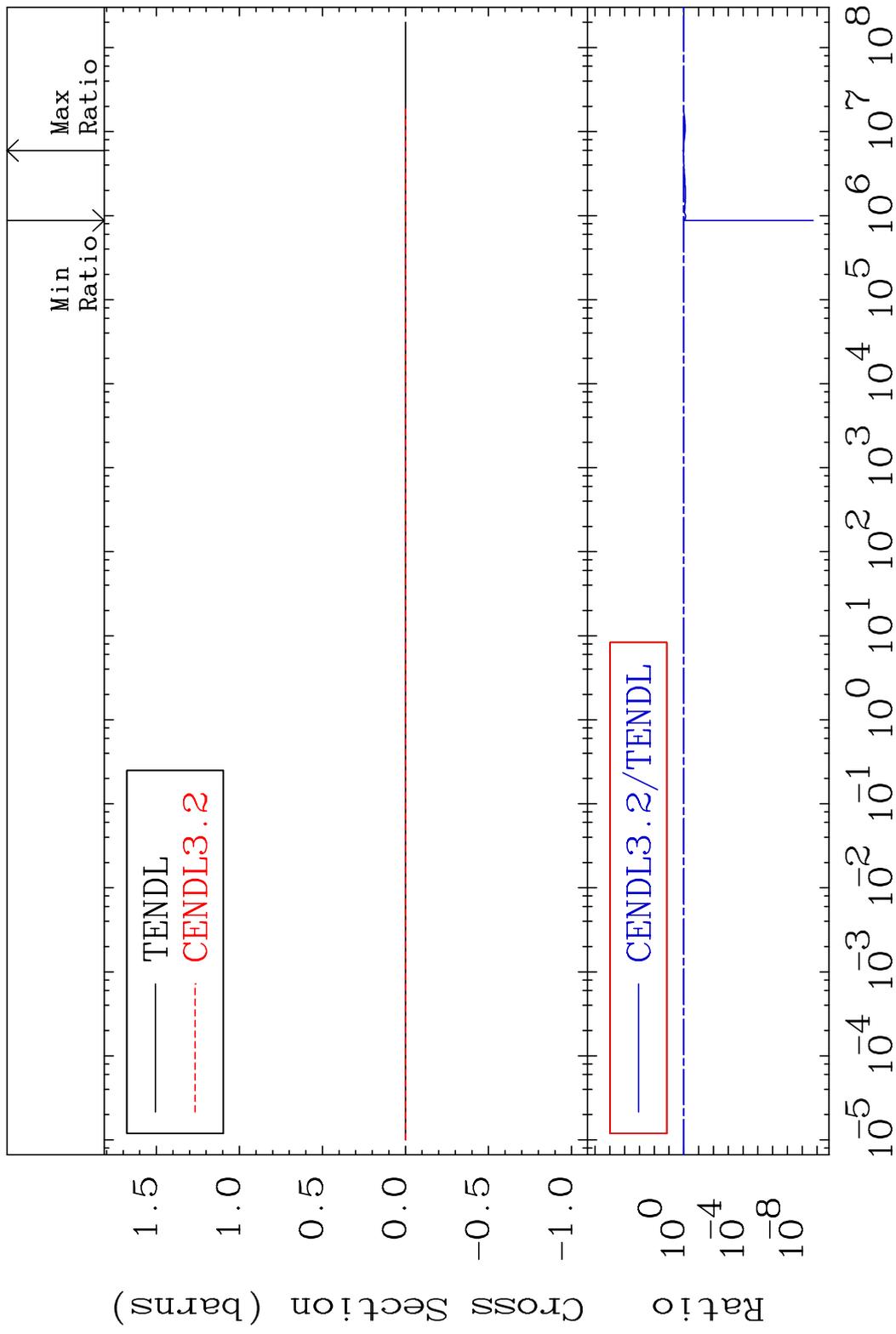


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Incident Energy (eV)

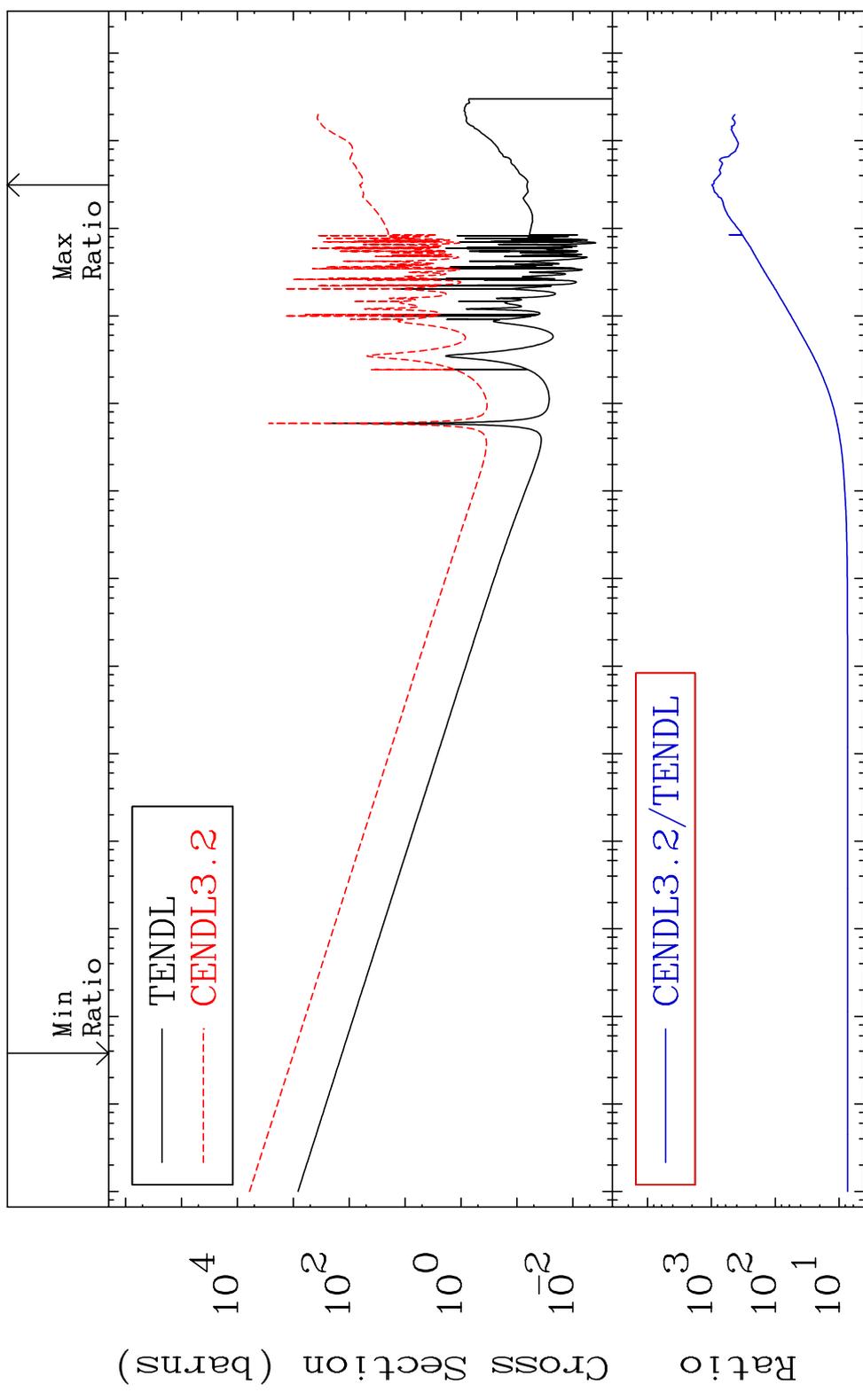
13-Al-27

MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27  
 Cross Section -100.0 To 16.77 %



MAT 1325

Kerma capture (mt102) 13-A1-27  
Cross Section 635.9 To 9999. %



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>

41

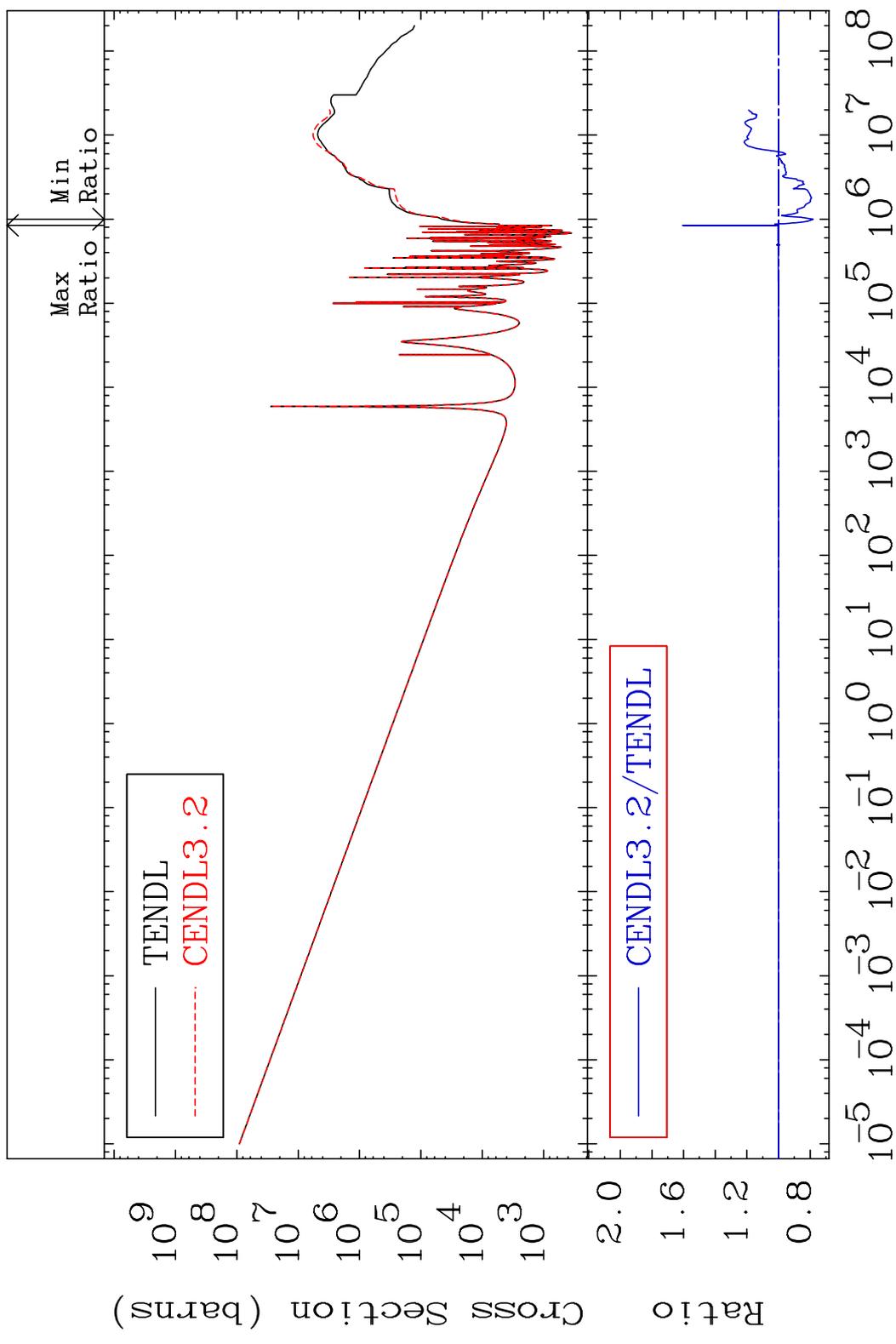
Incident Energy (eV) 13-A1-27

MAT 1325

Total photon (eV-barns)

13-A1-27

Cross Section -21.90 To 60.48 %

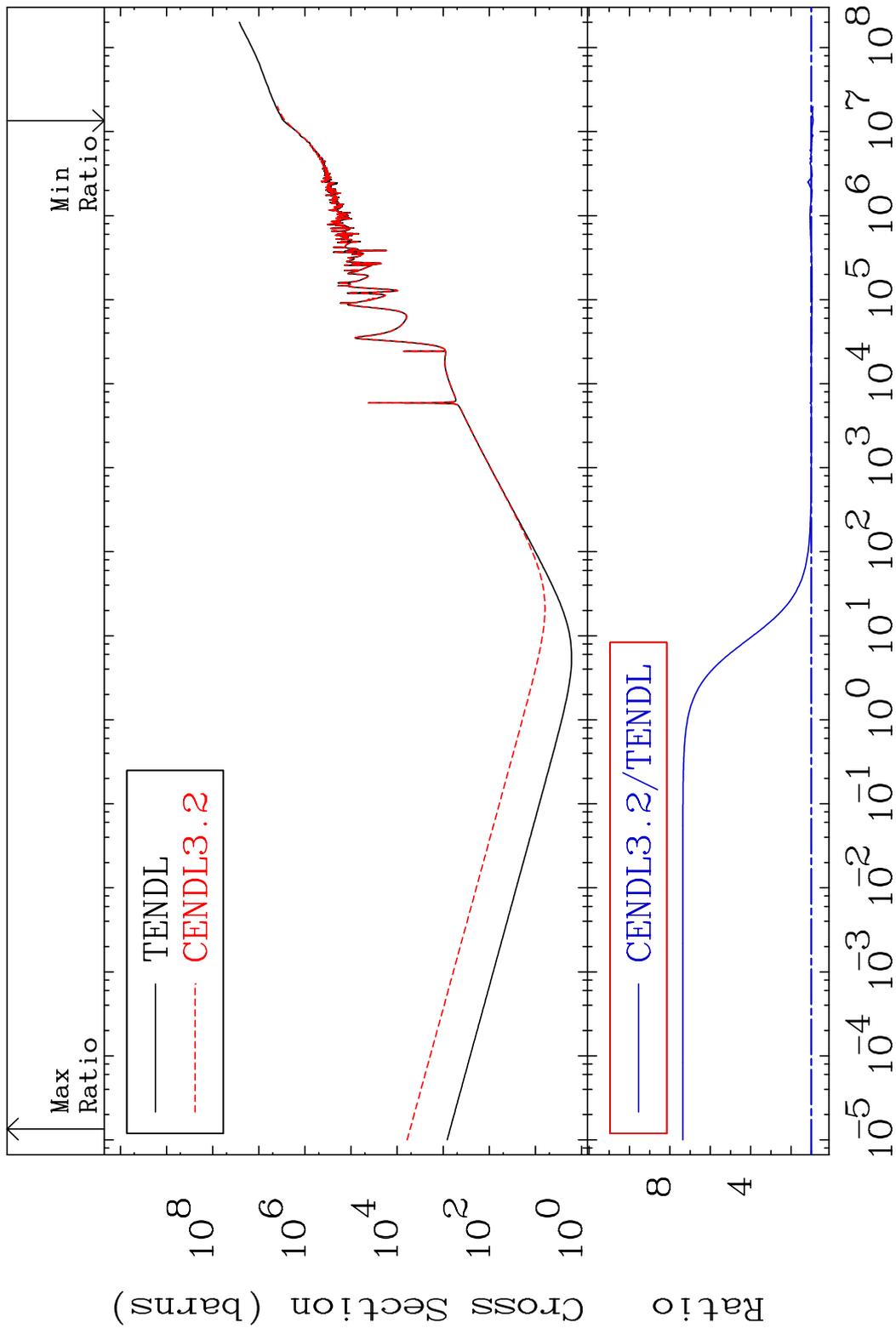


42

Incident Energy (eV)

13-A1-27

MAT 1325 Total kinematic kerma (high limit) 13-Al-27  
Cross Section -8.880 To 635.9 %



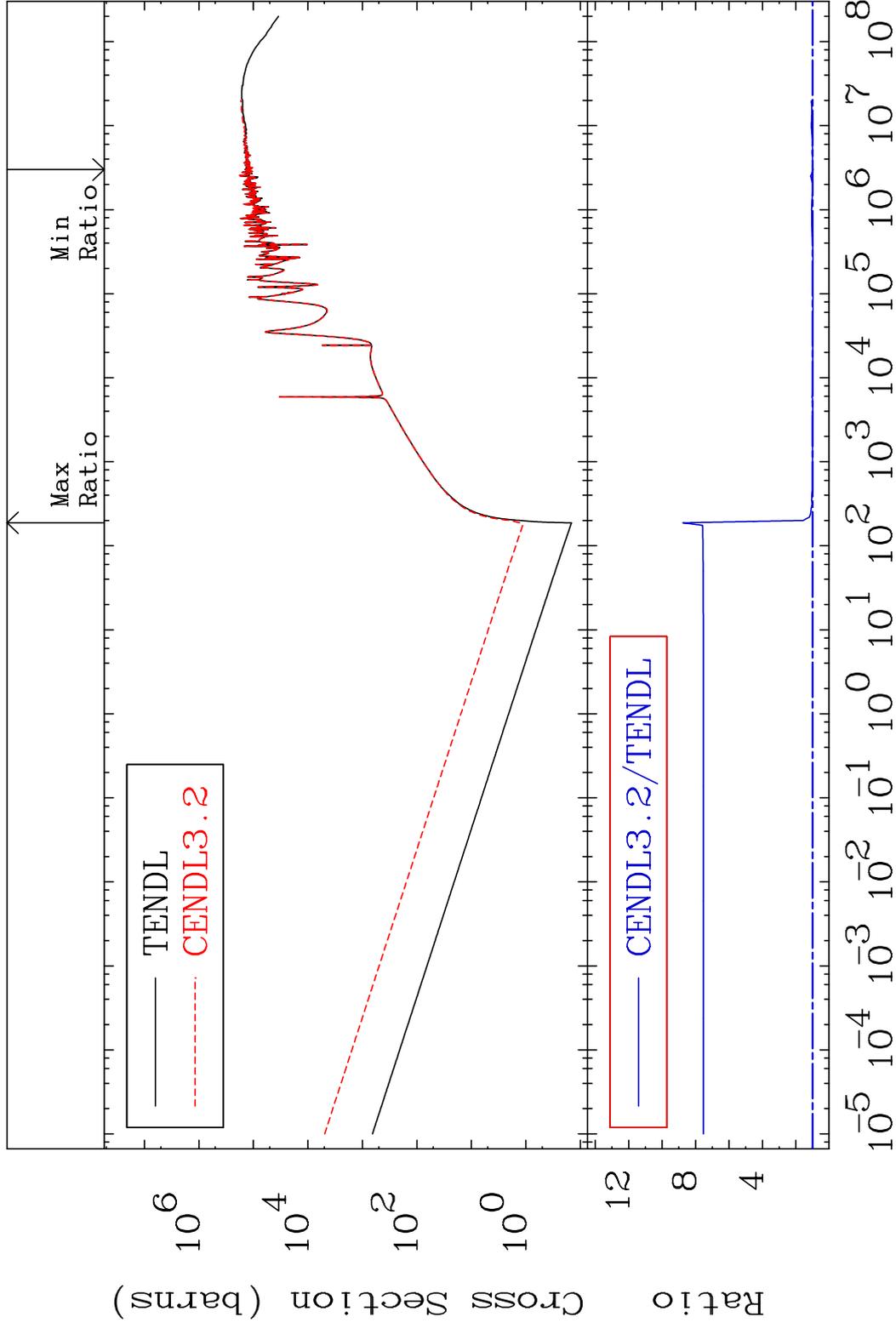
43 Incident Energy (eV) 13-Al-27

MAT 1325

Dpa total (eV-barns)

13-A1-27

Cross Section -3.169 To 776.2 %



44

Incident Energy (eV)

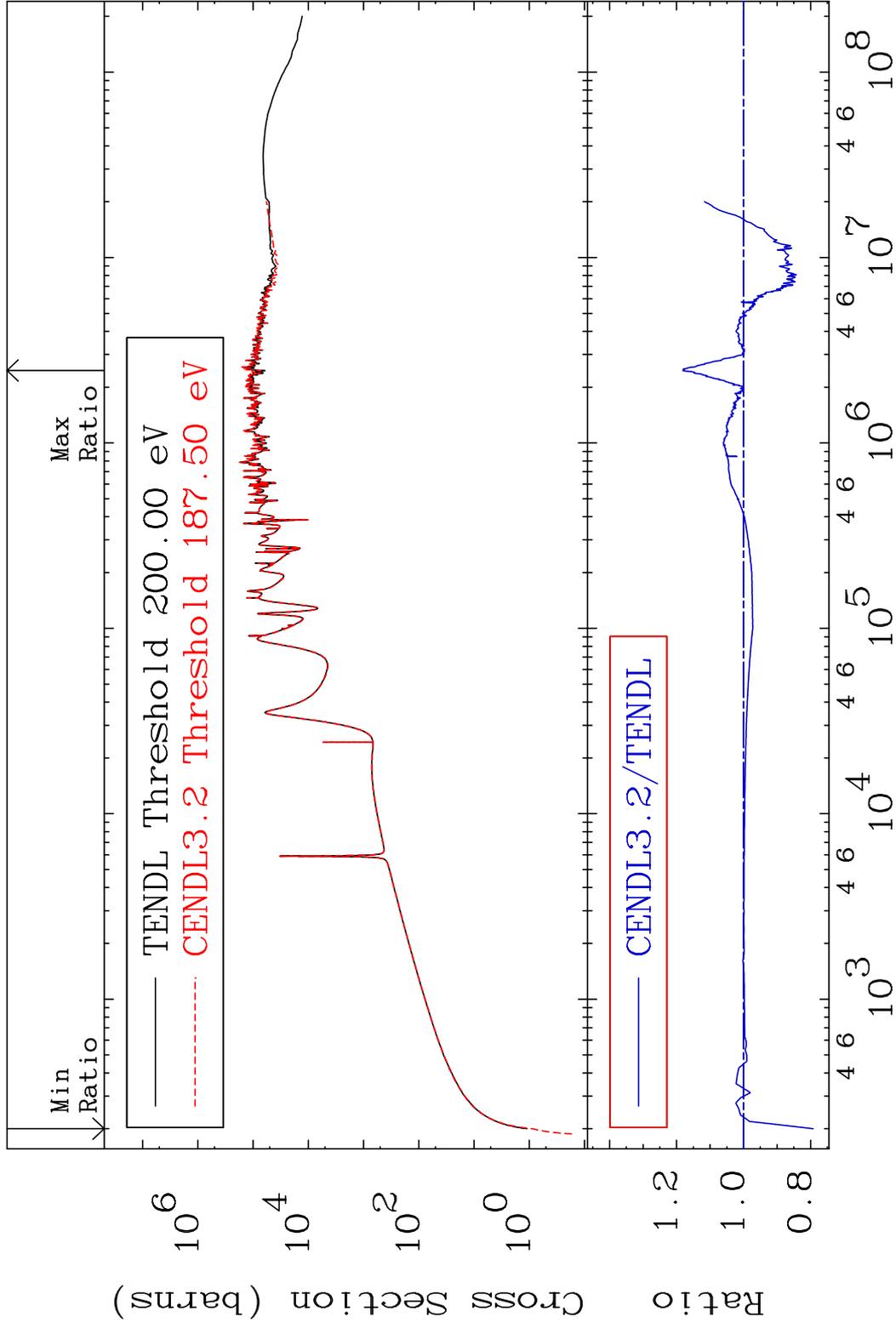
13-A1-27

MAT 1325

Dpa elastic (mt2)

13-A1-27

Cross Section -20.75 To 18.13 %

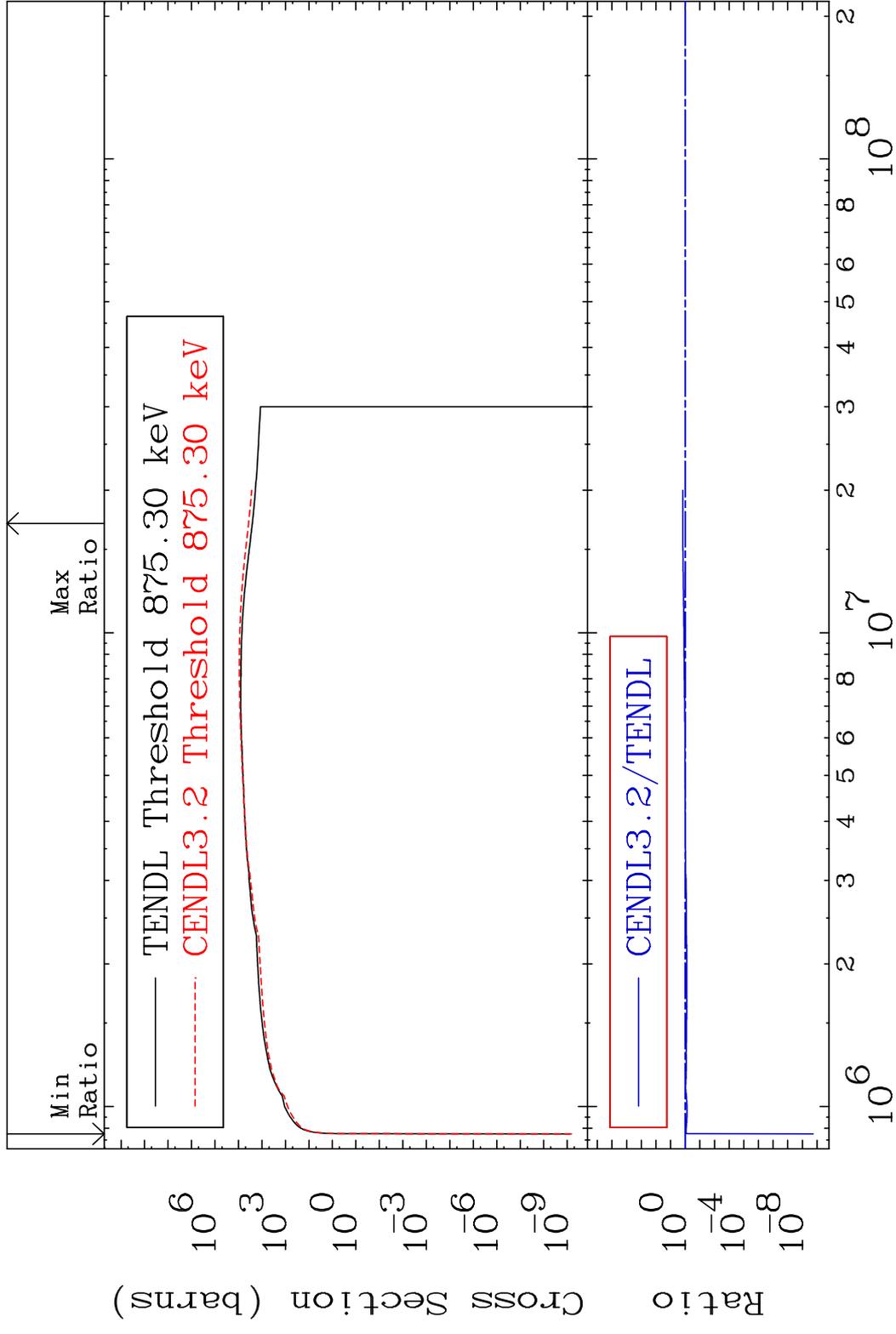


45

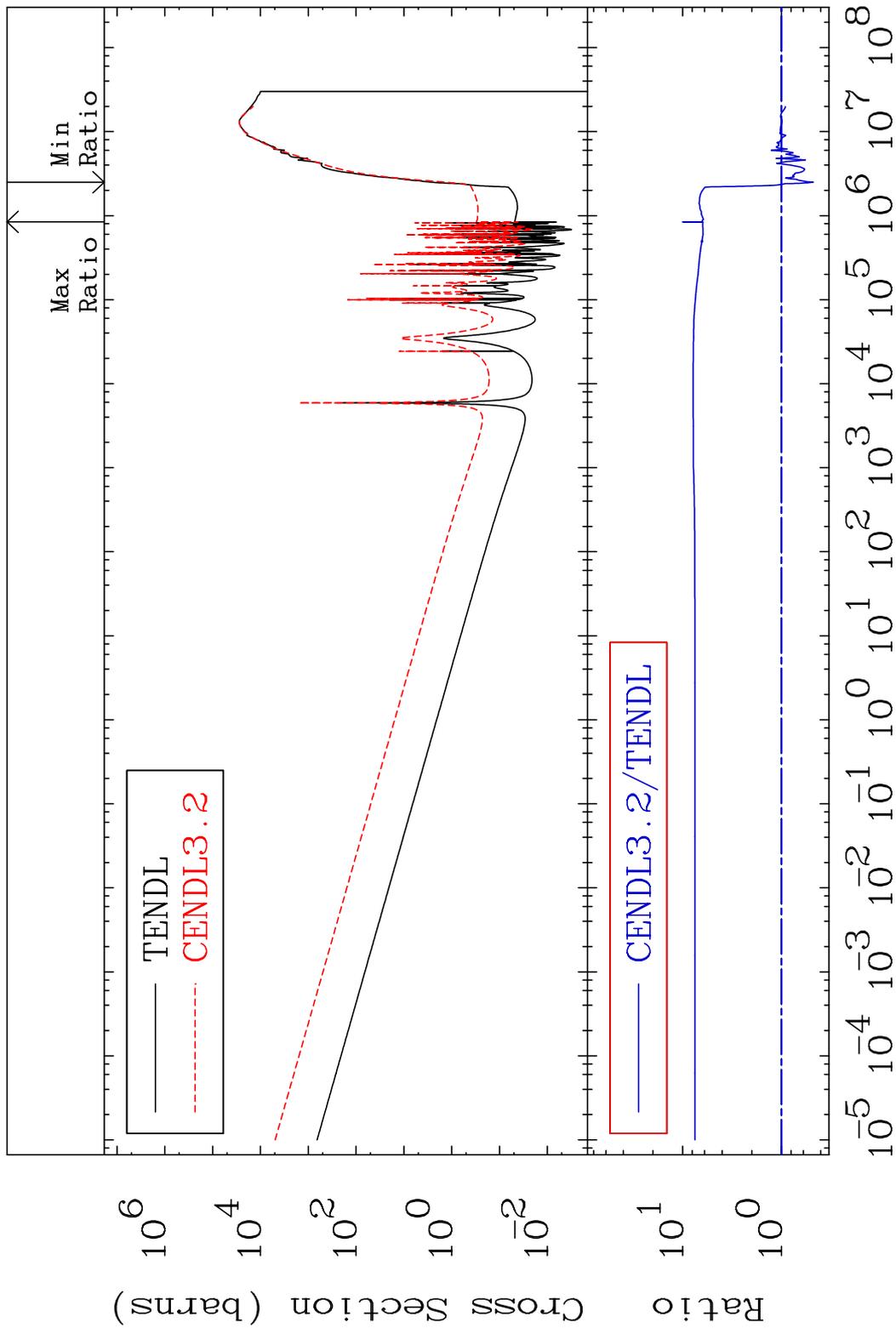
Incident Energy (eV)

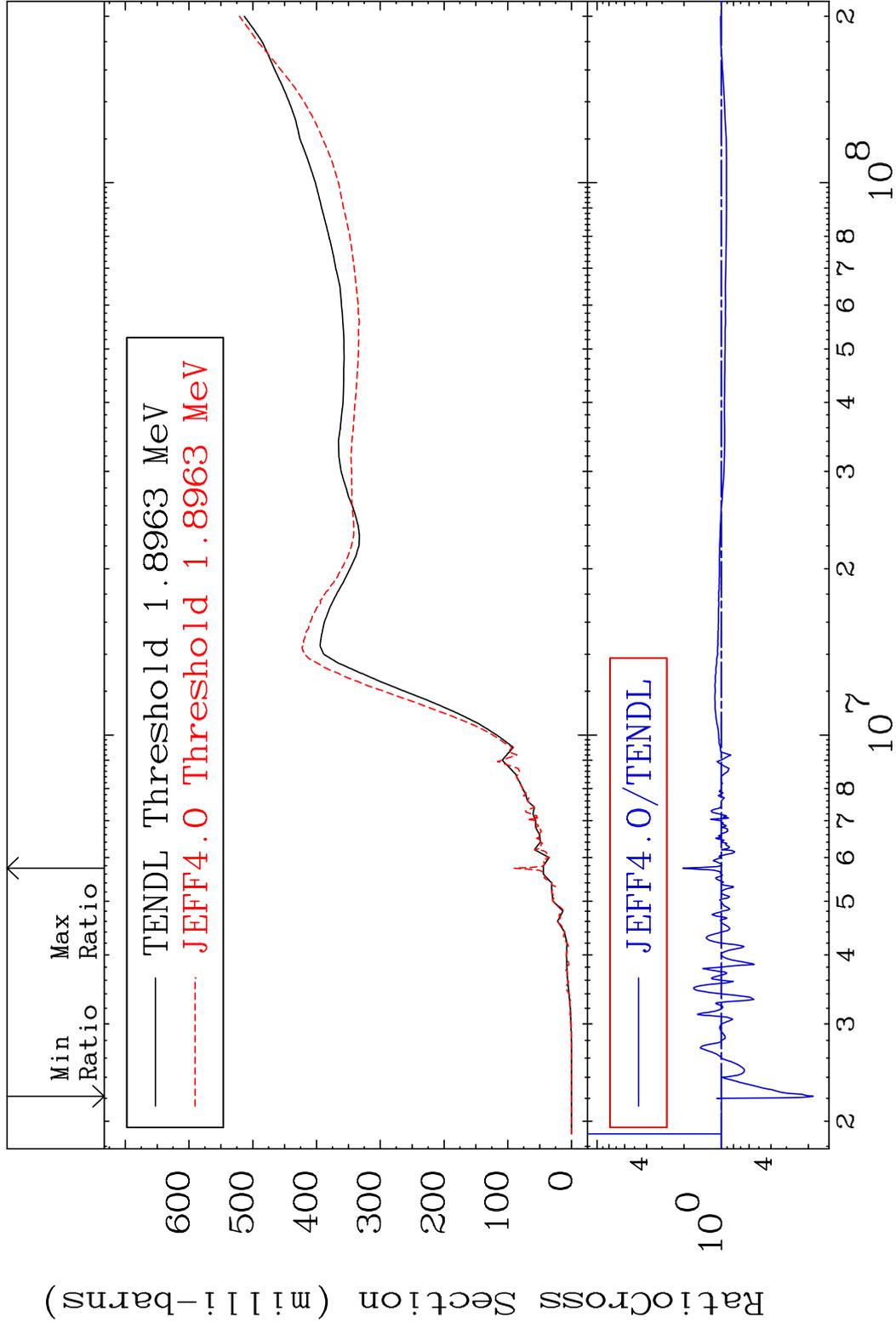
13-A1-27

MAT 1325 Dpa inelastic (mt51-91) 13-Al-27  
 Cross Section -100.0 To 45.43 %



MAT 1325 Dpa disappearance (mt102 -120) 13-A1-27  
 Cross Section -52.16 To 898.0 %



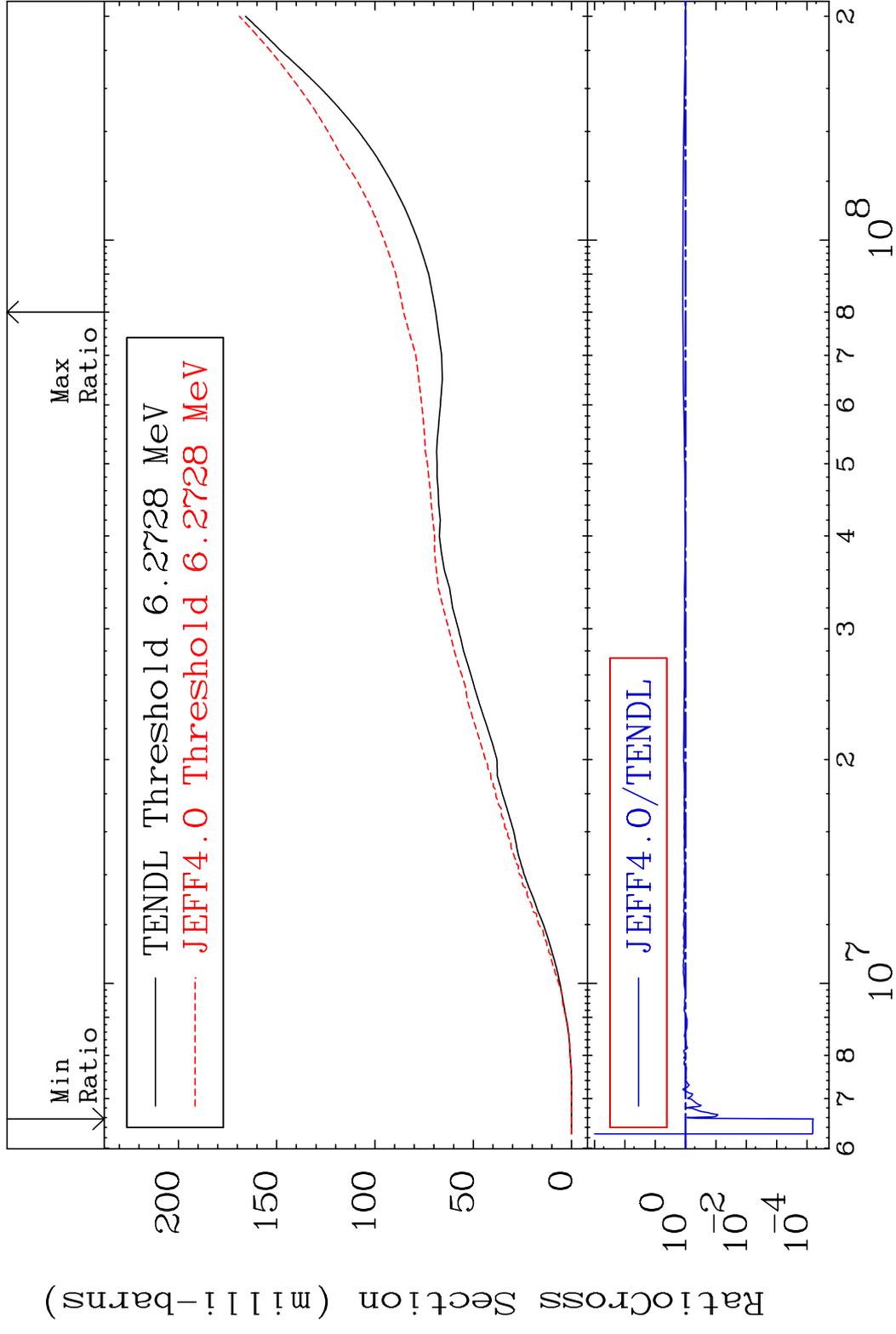


MAT 1325

Deuterium Production

13-A1-27

Cross Section -99.99 To 23.65 %



49

Incident Energy (eV)

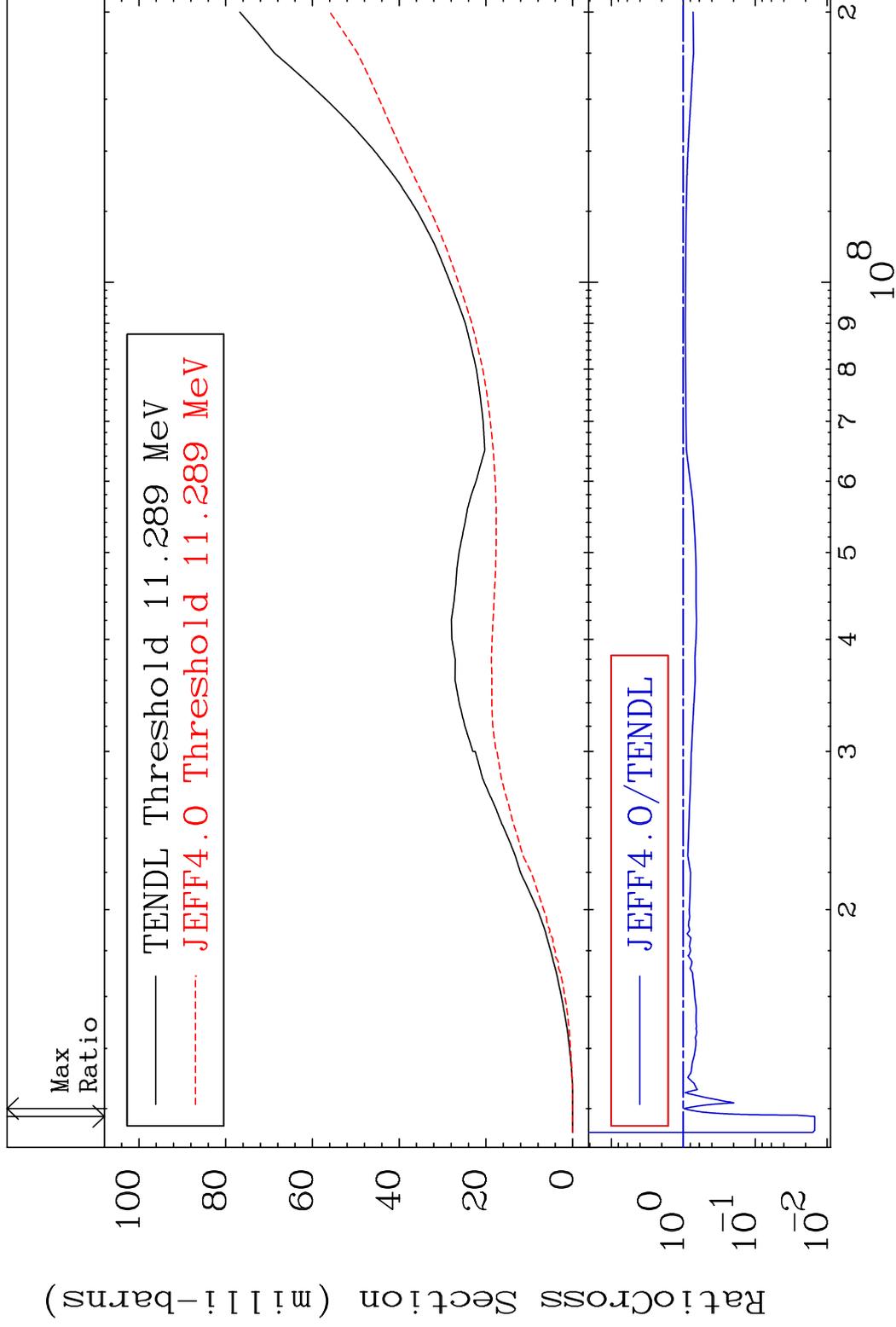
13-A1-27

MAT 1325

Tritium Production

13-A1-27

Cross Section -98.51 To -2.598%

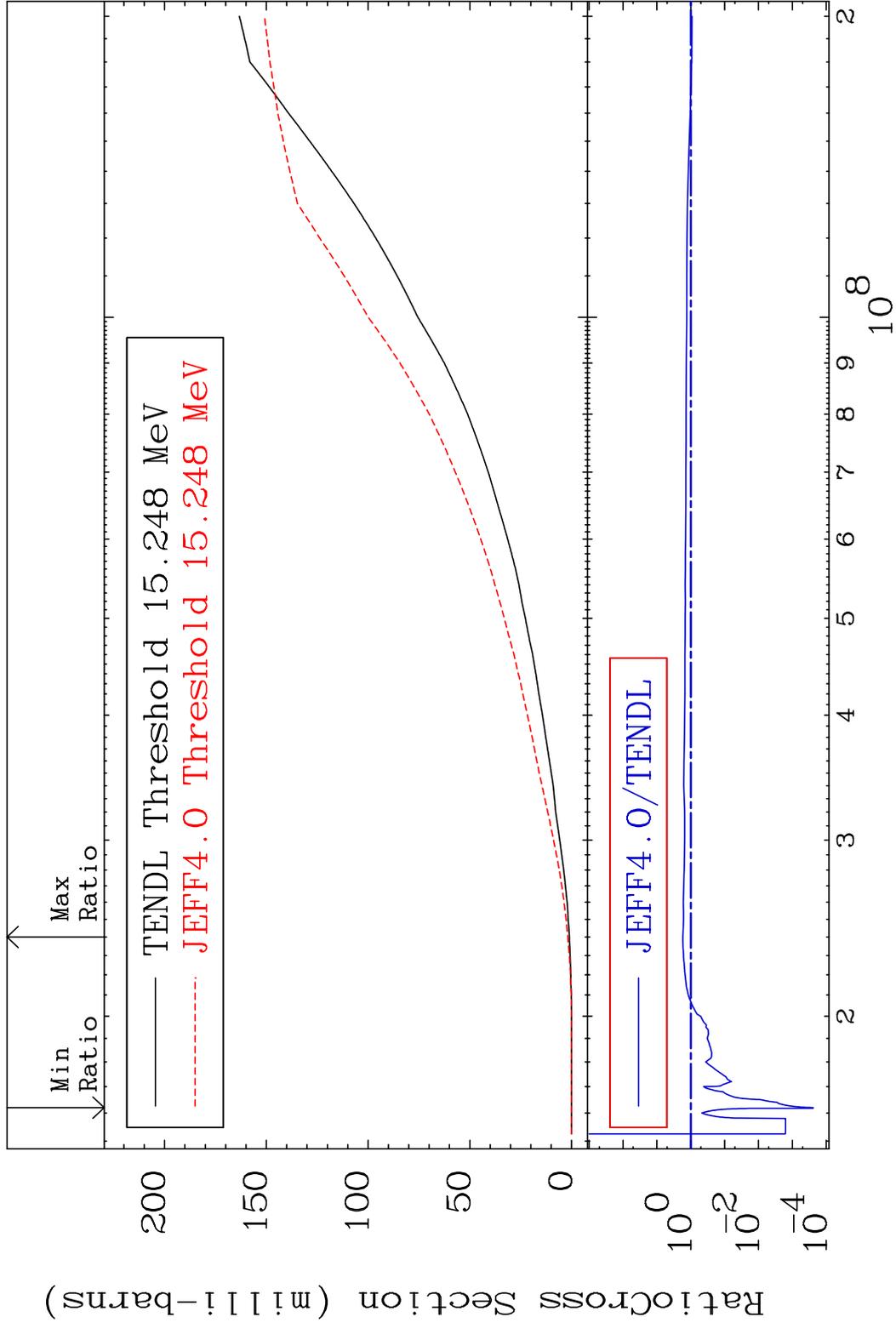


50

Incident Energy (eV)

13-A1-27

Cross Section -99.98 To 71.46 %

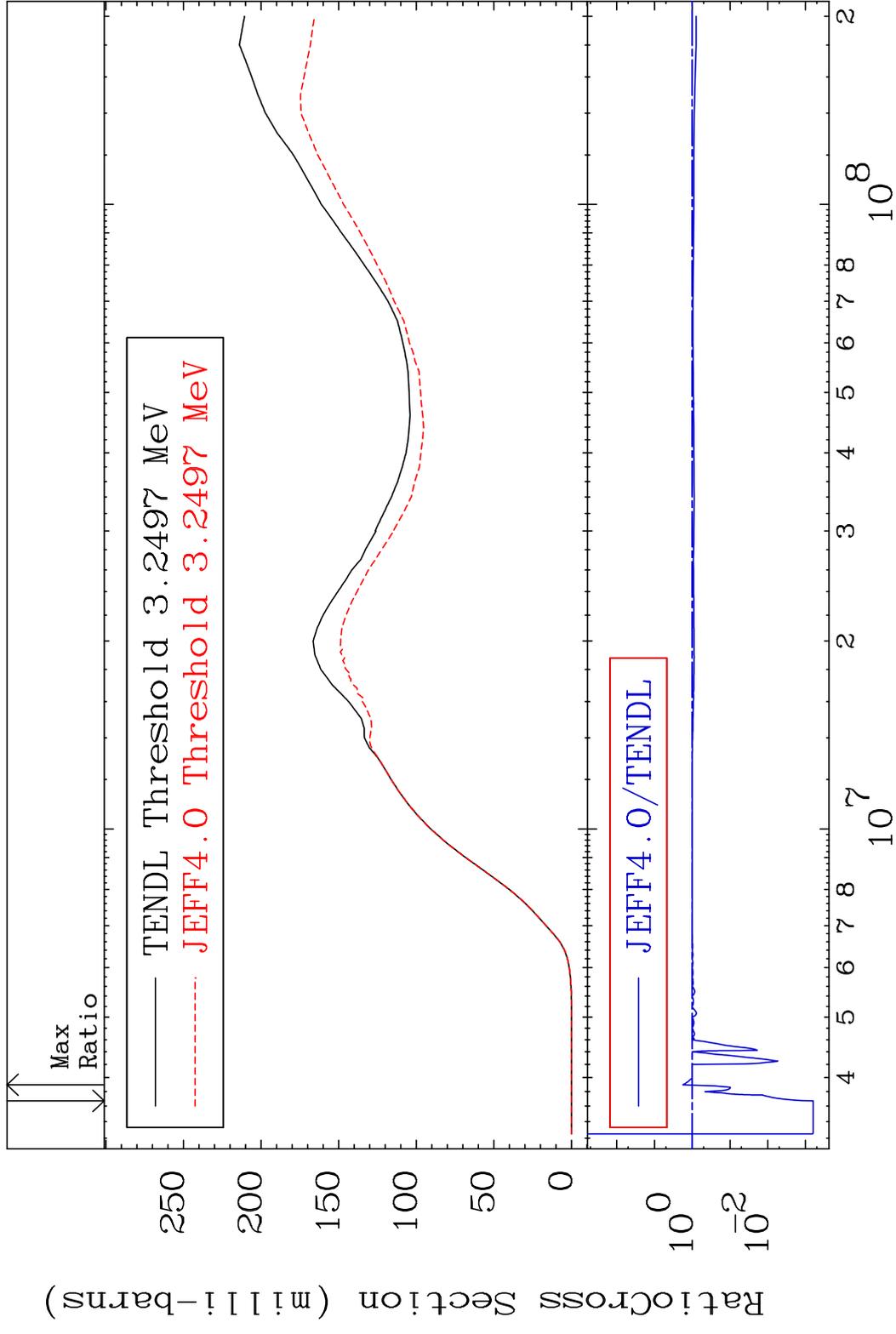


MAT 1325

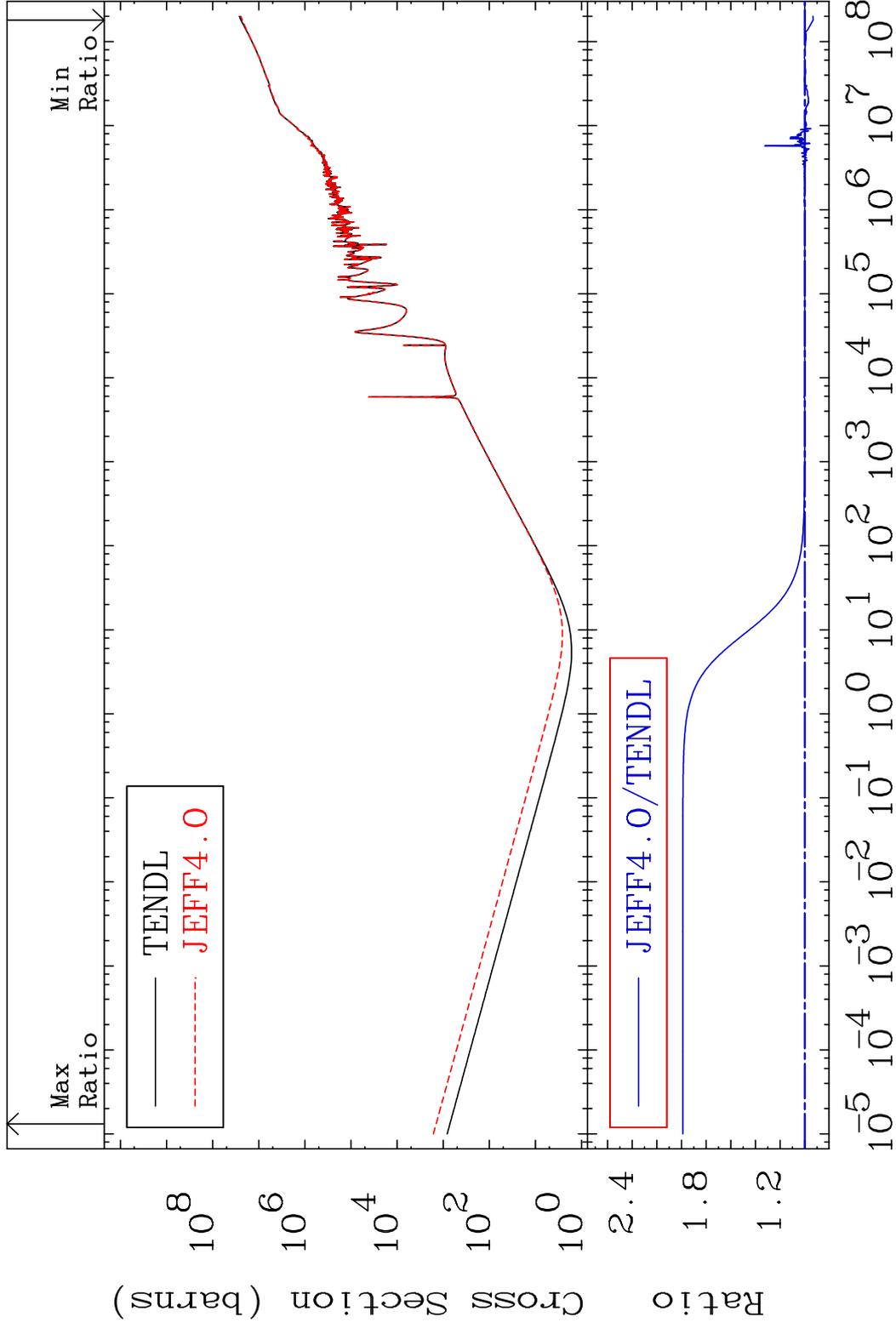
He-4 Production

13-A1-27

Cross Section -99.94 To 77.80 %



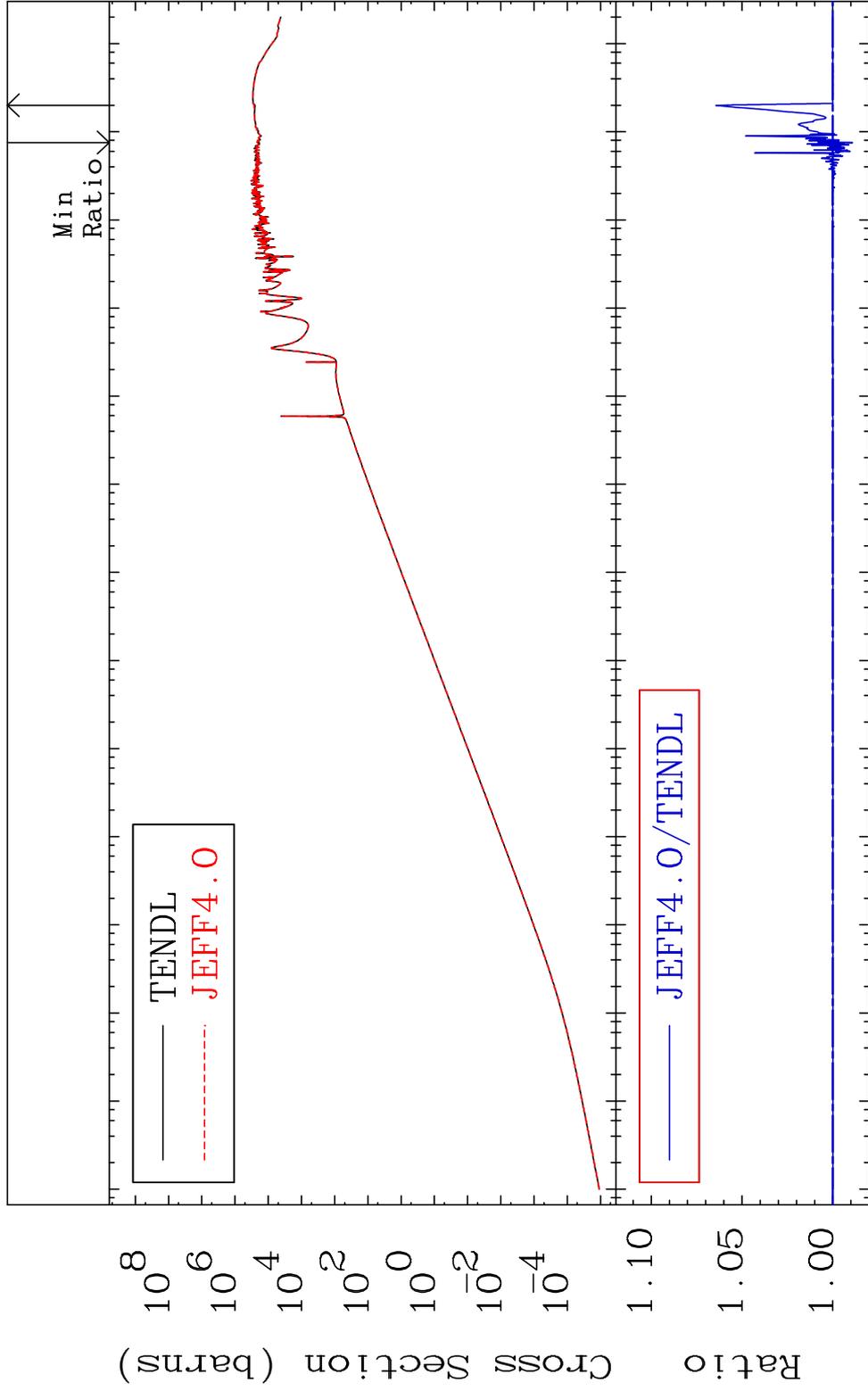
MAT 1325 Kerma total (eV-barns) 13-Al-27  
 Cross Section -6.821 To 98.88 %



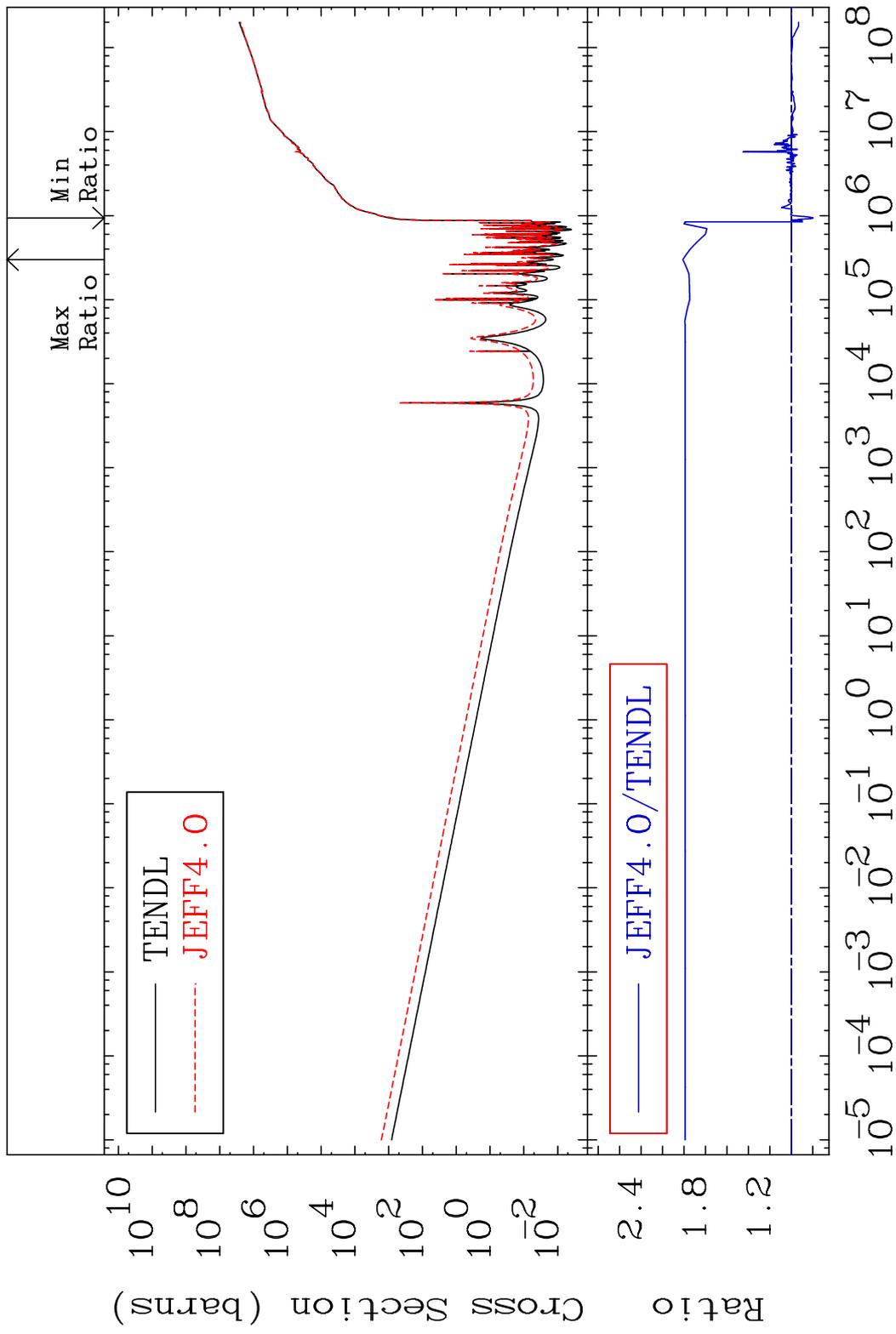
MAT 1325

Kerma elastic  
Cross Section -1.085 To 6.439 %

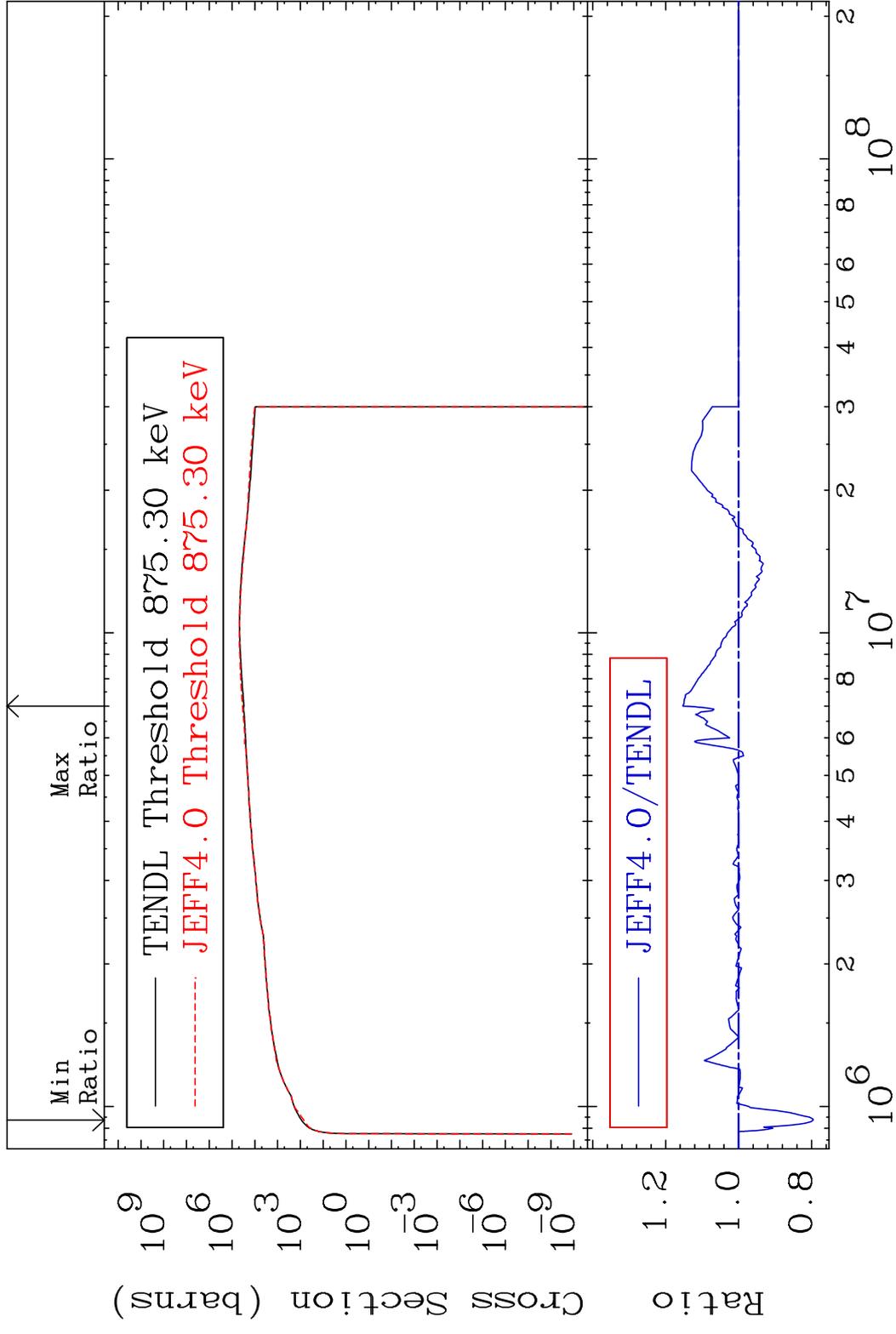
13-A1-27



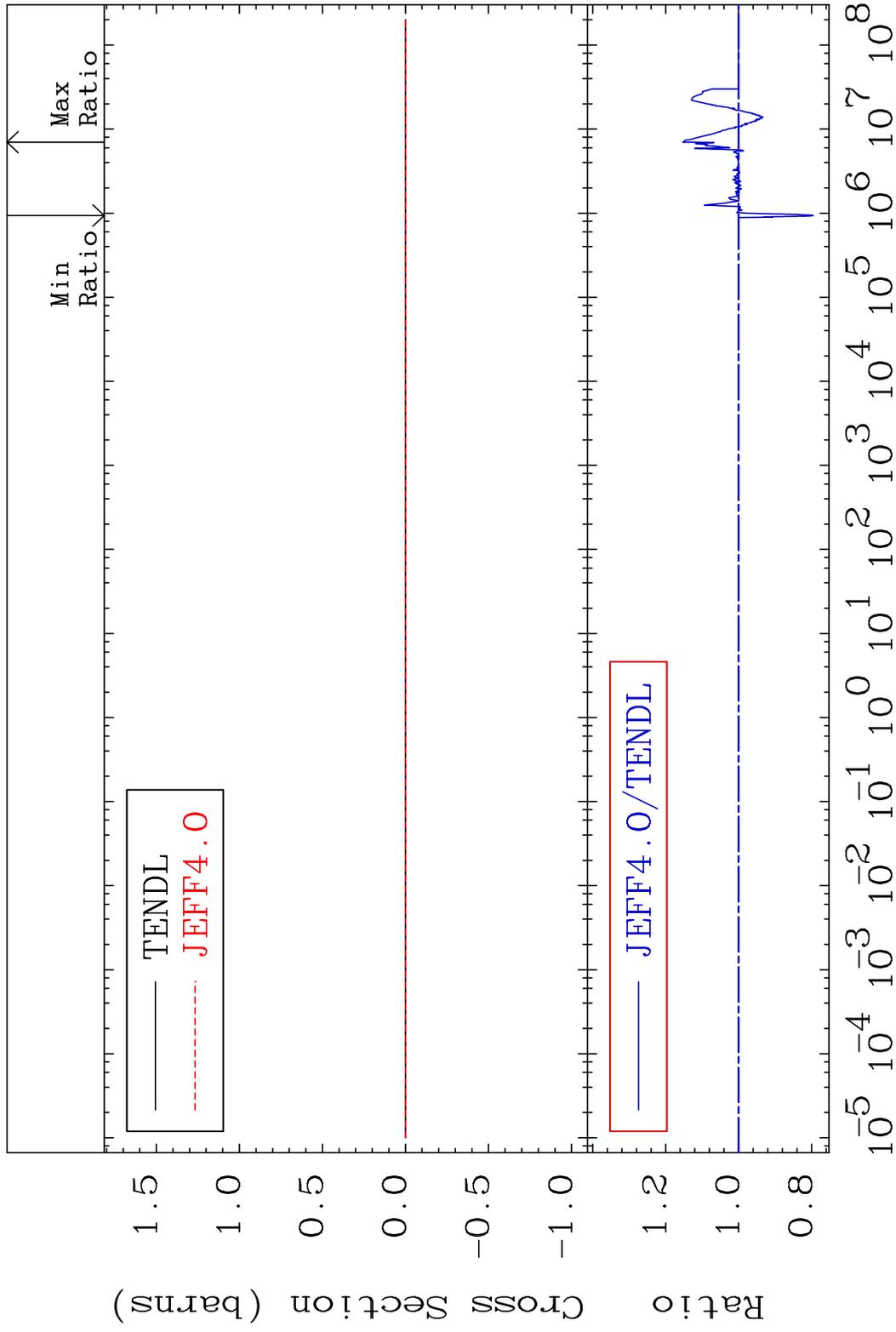
MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27  
 Cross Section -20.41 To 101.1 %



MAT 1325 Kerma inelastic (mt51-91) 13-A1-27  
 Cross Section -20.41 To 15.29 %

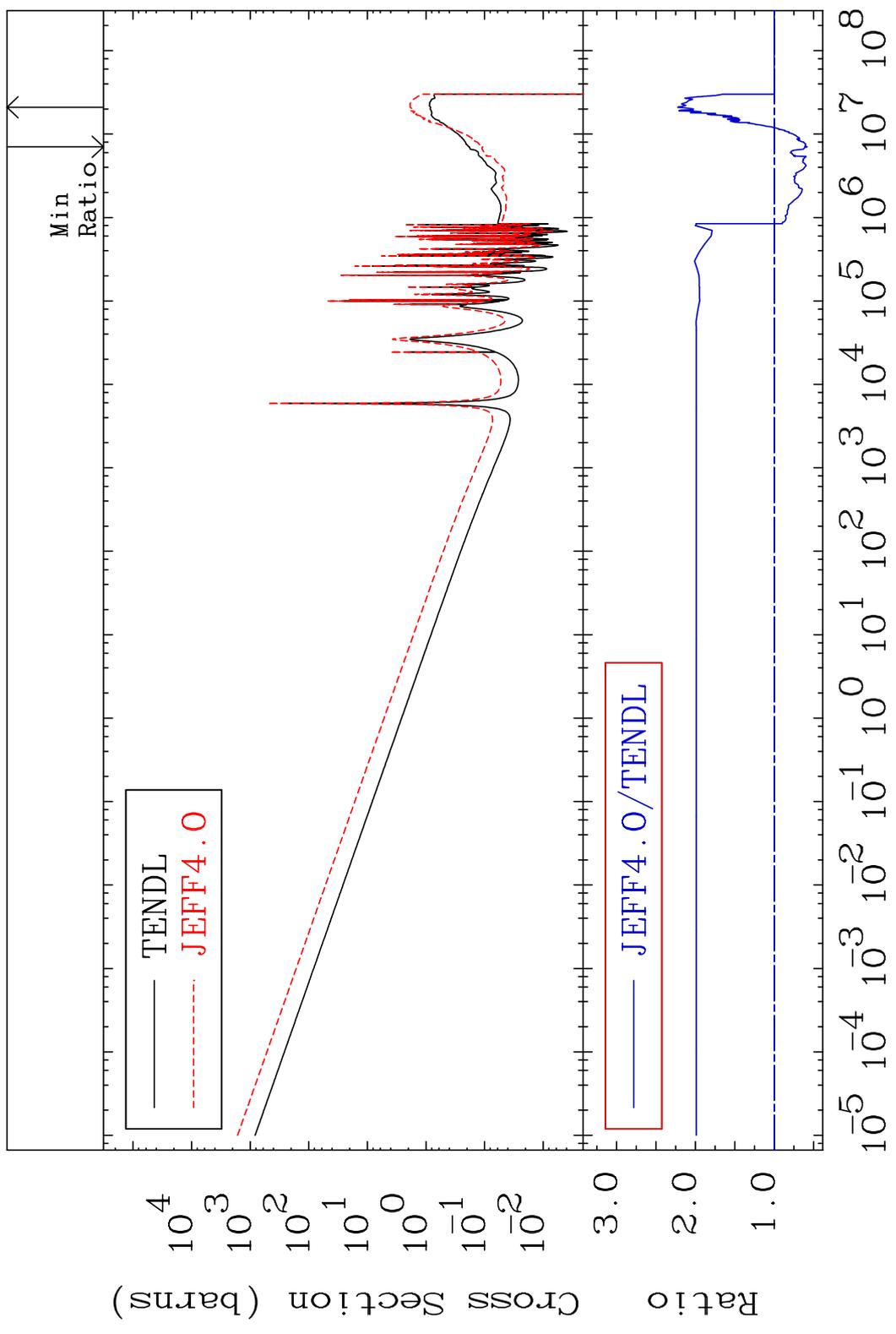


MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27  
 Cross Section -20.41 To 15.29 %



MAT 1325

Kerma capture (mt102) 13-A1-27  
Cross Section -41.64 To 122.5 %

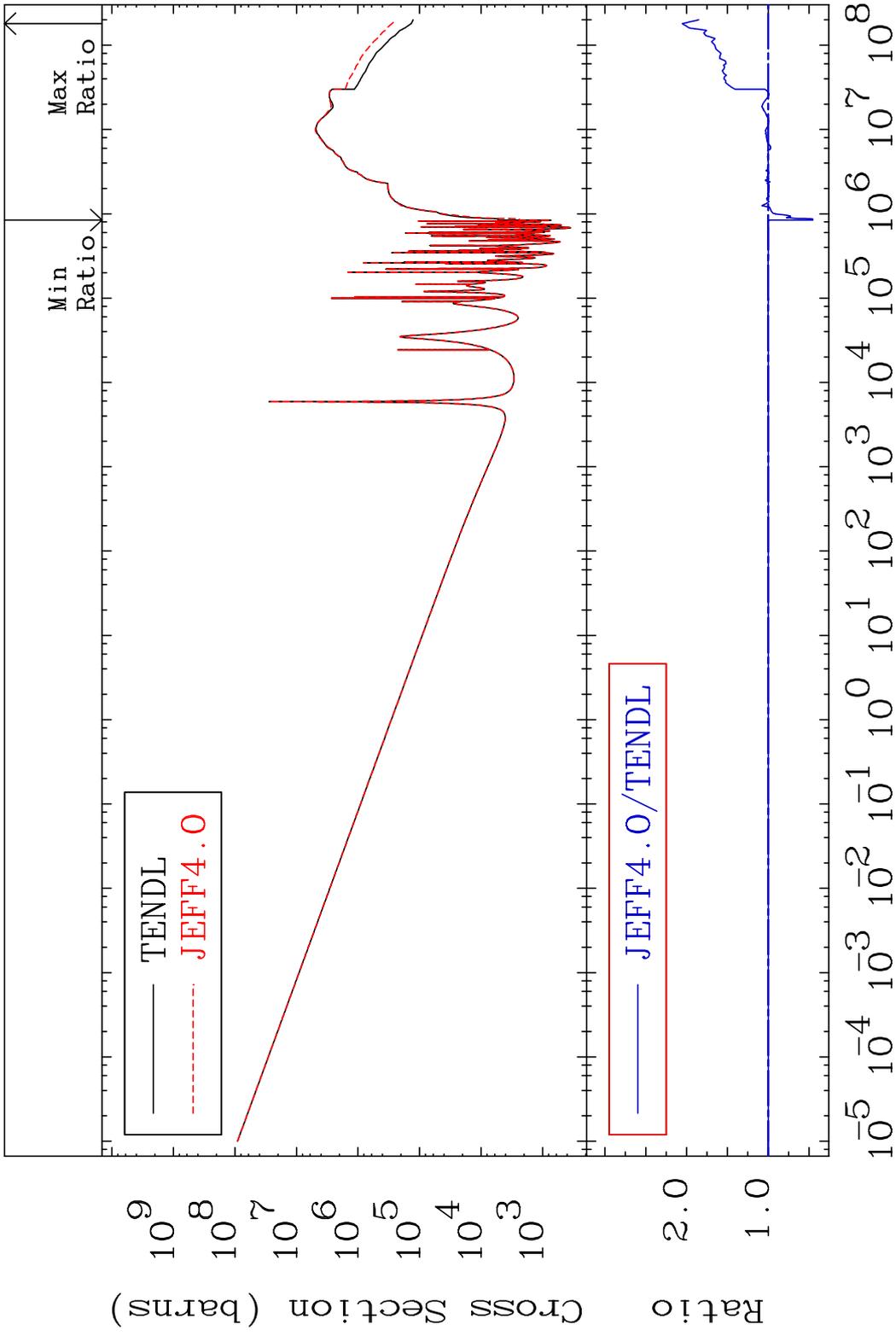


MAT 1325

Total photon (eV-barns)

13-A1-27

Cross Section -54.75 To 105.3 %

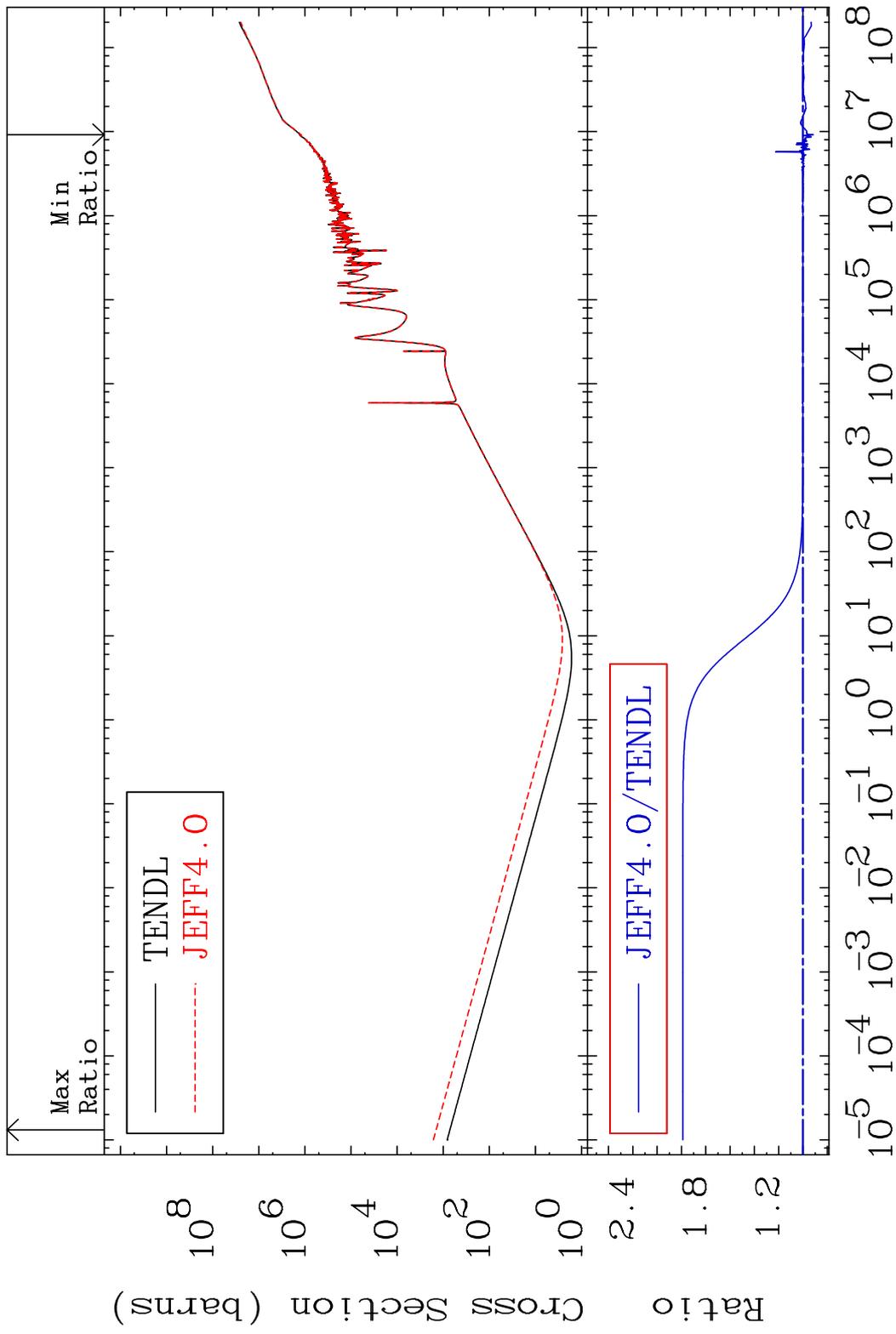


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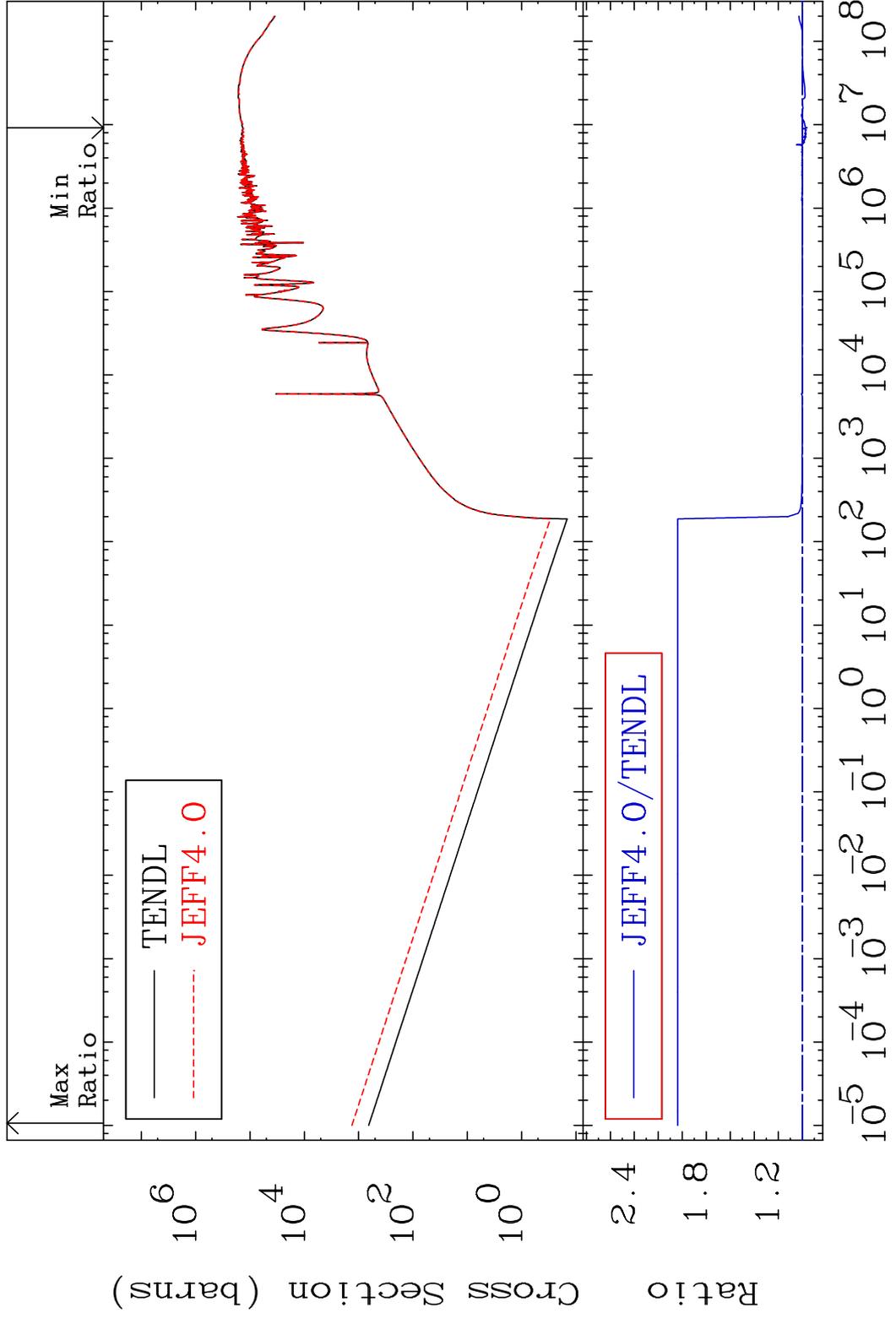
Incident Energy (eV)

13-A1-27

MAT 1325 Total kinematic kerma (high limit) 13-Al-27  
 Cross Section -8.340 To 98.88 %



MAT 1325 Dpa total (eV-barns) 13-A1-27  
 Cross Section -3.962 To 103.9 %

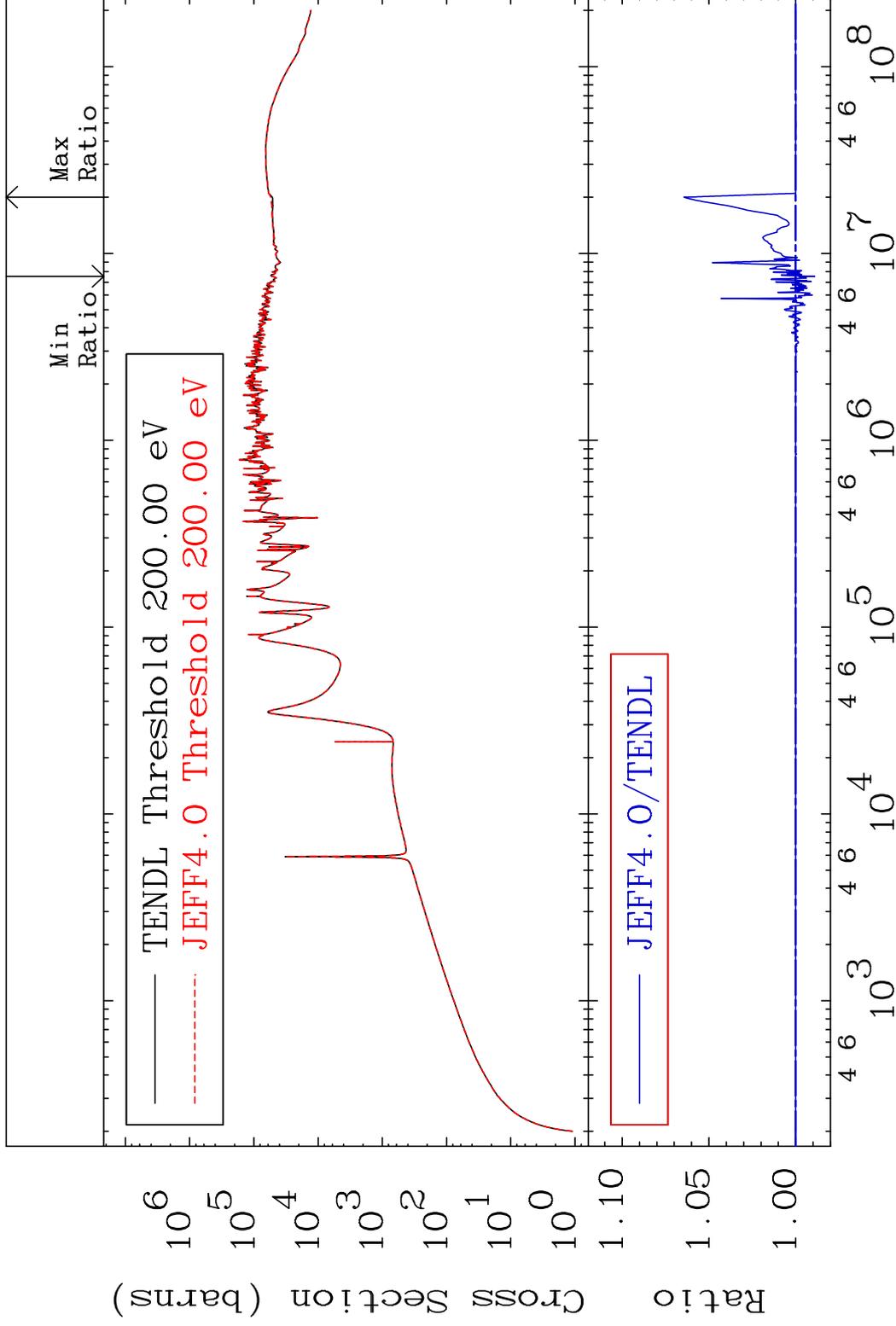


MAT 1325

Dpa elastic (mt2)

13-A1-27

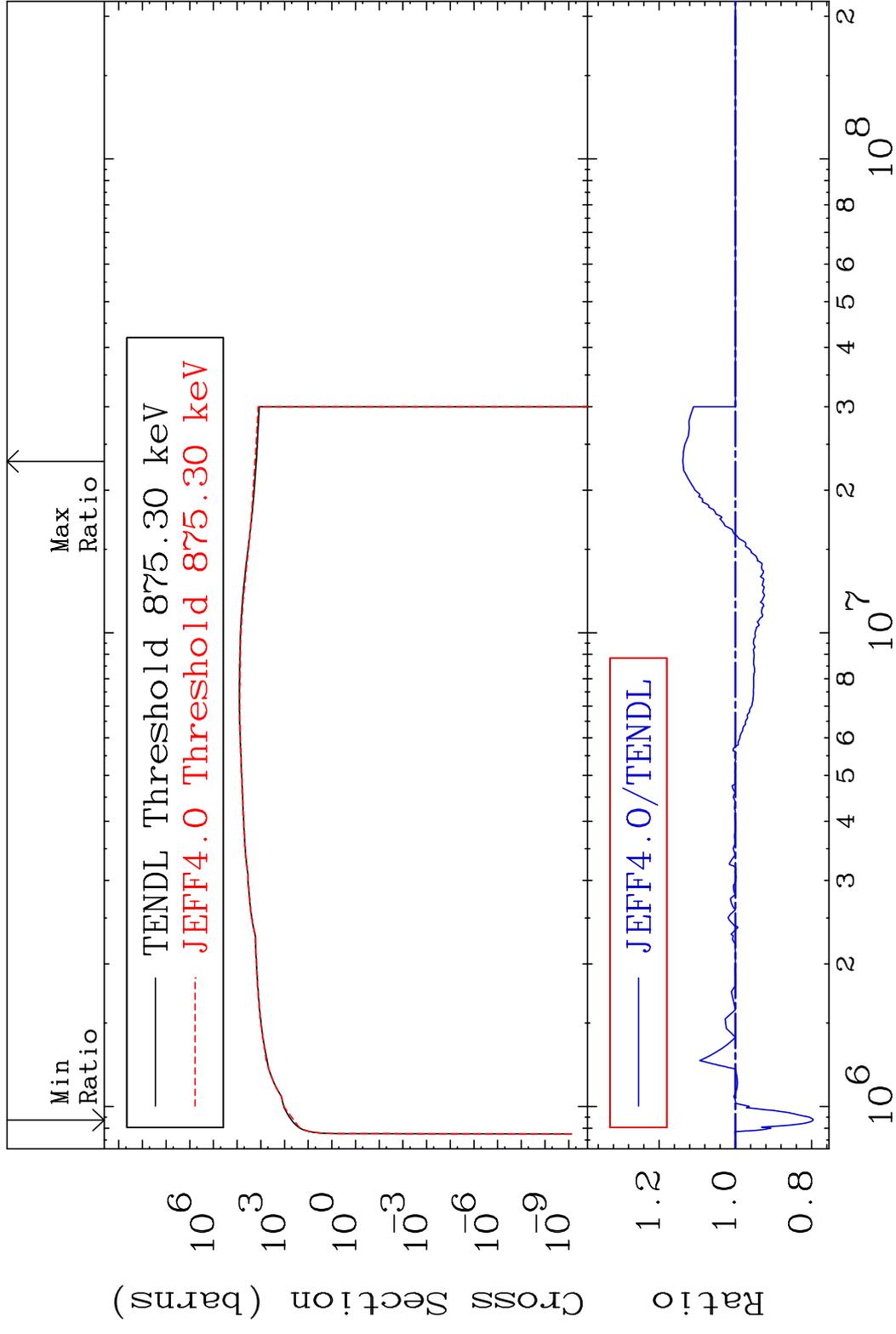
Cross Section -1.089 To 6.440 %



62

Incident Energy (eV)

13-A1-27



MAT 1325 Dpa disappearance (mt102 -120) 13-A1-27  
 Cross Section -61.12 To 104.3 %

