

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

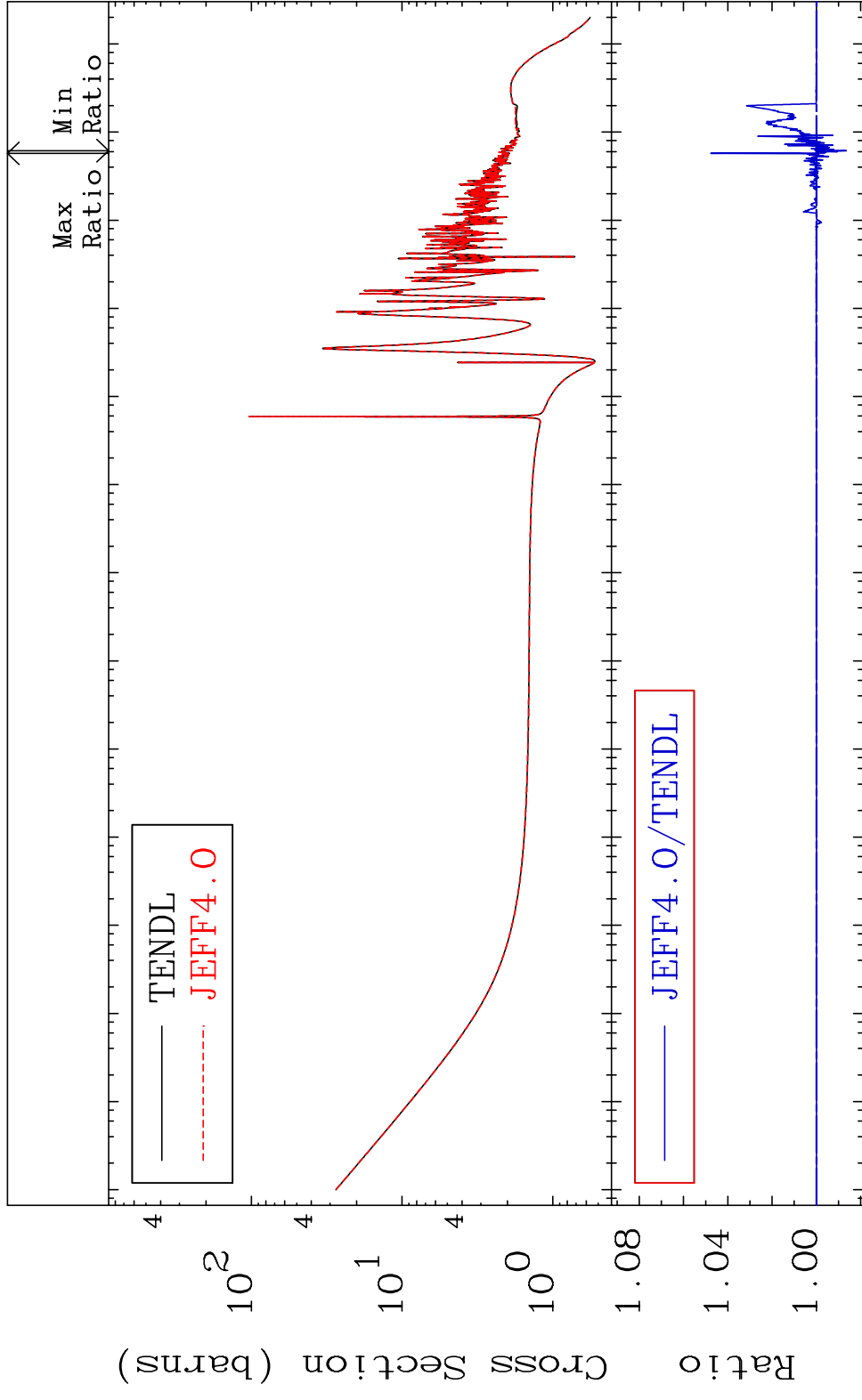
MAT 1325

Total

13-A1-27

Cross Section

-1.352 To 4.772 %



1

Incident Energy (eV)

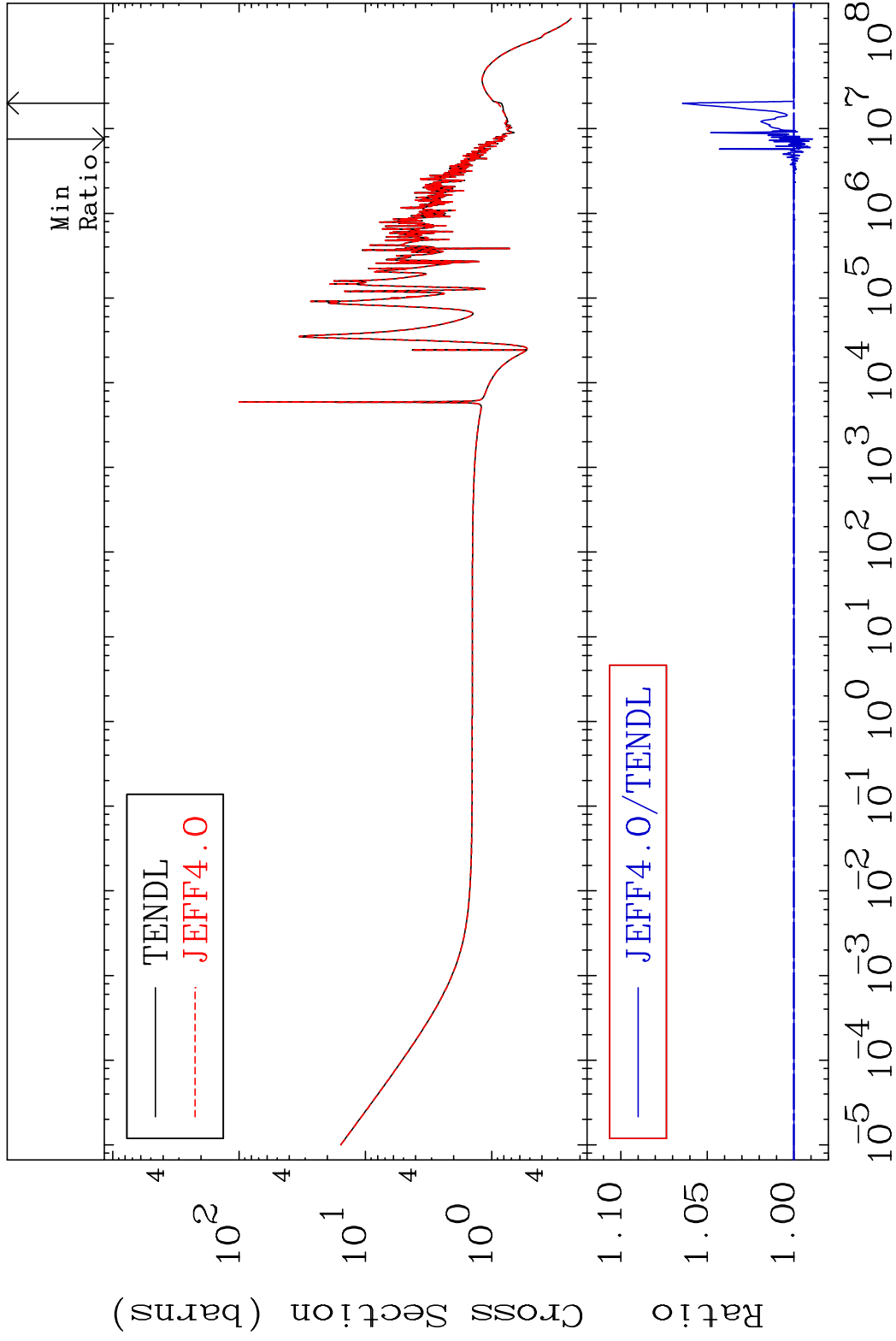
13-A1-27

MAT 1325

Elastic

13-Al-27

Cross Section -1.084 To 6.440 %



2

Incident Energy (eV)

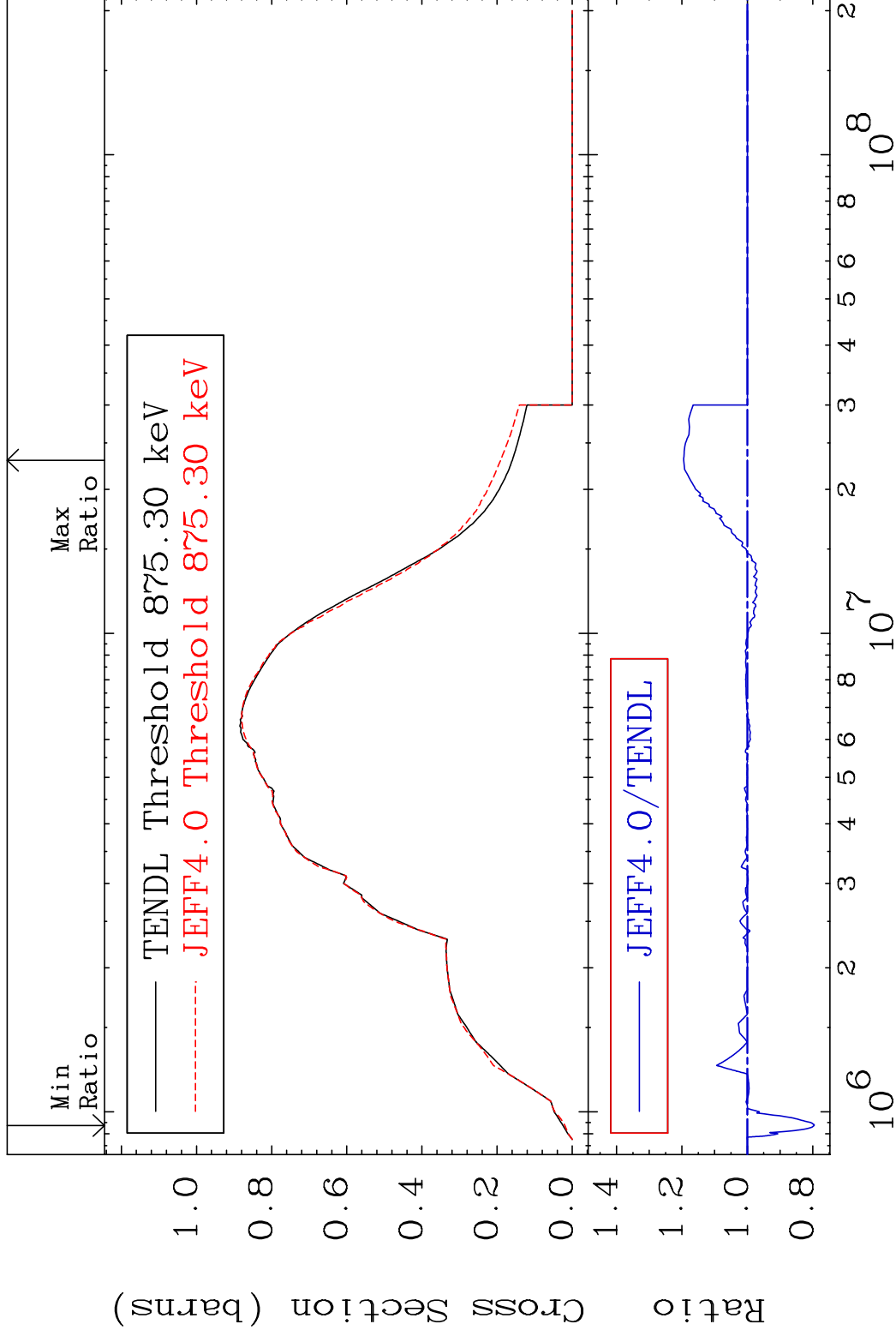
13-Al-27

MAT 1325

Inelastic

13-Al-27

Cross Section -20.41 To 19.47 %



3

Incident Energy (eV)

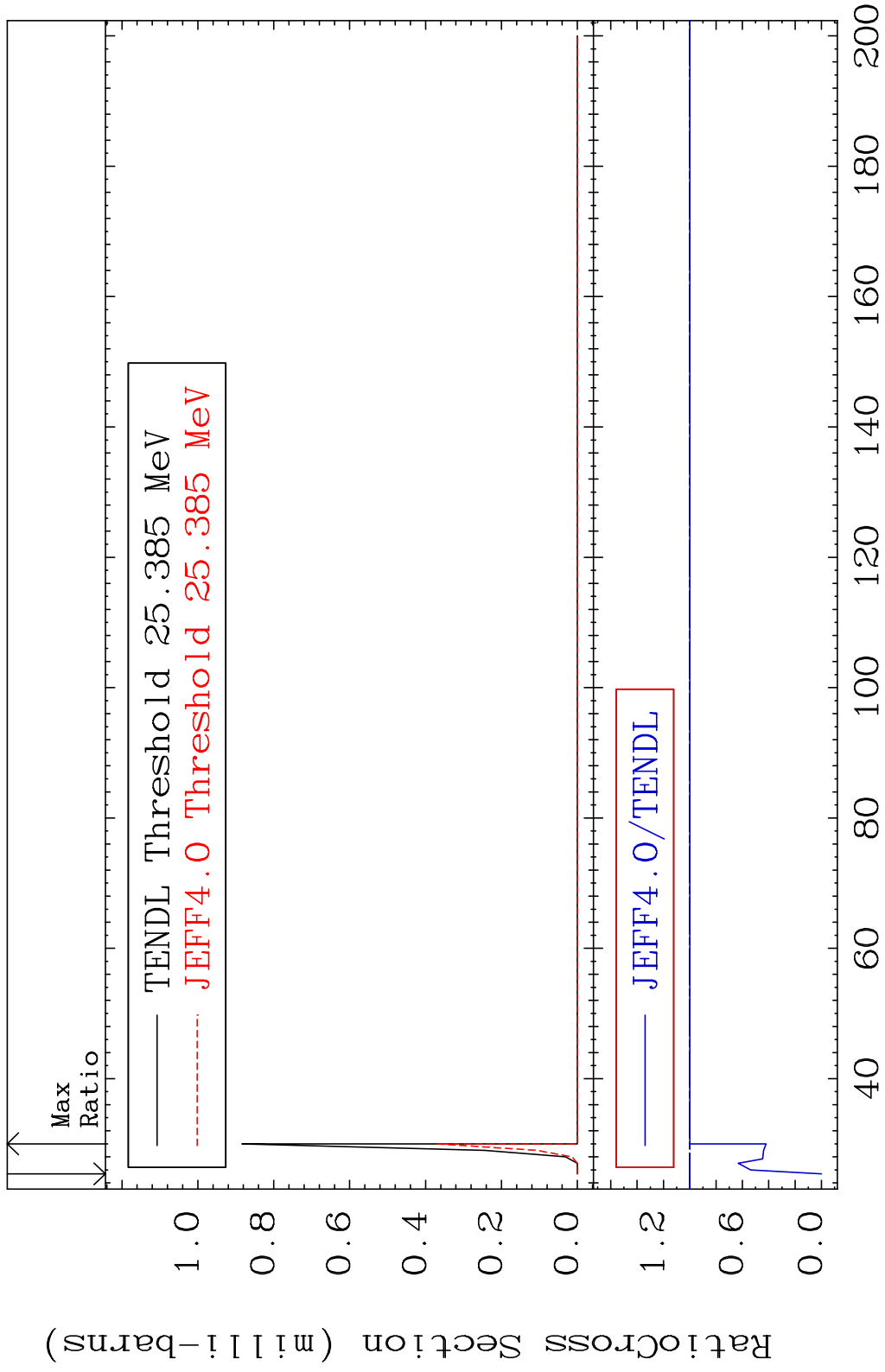
13-Al-27

MAT 1325

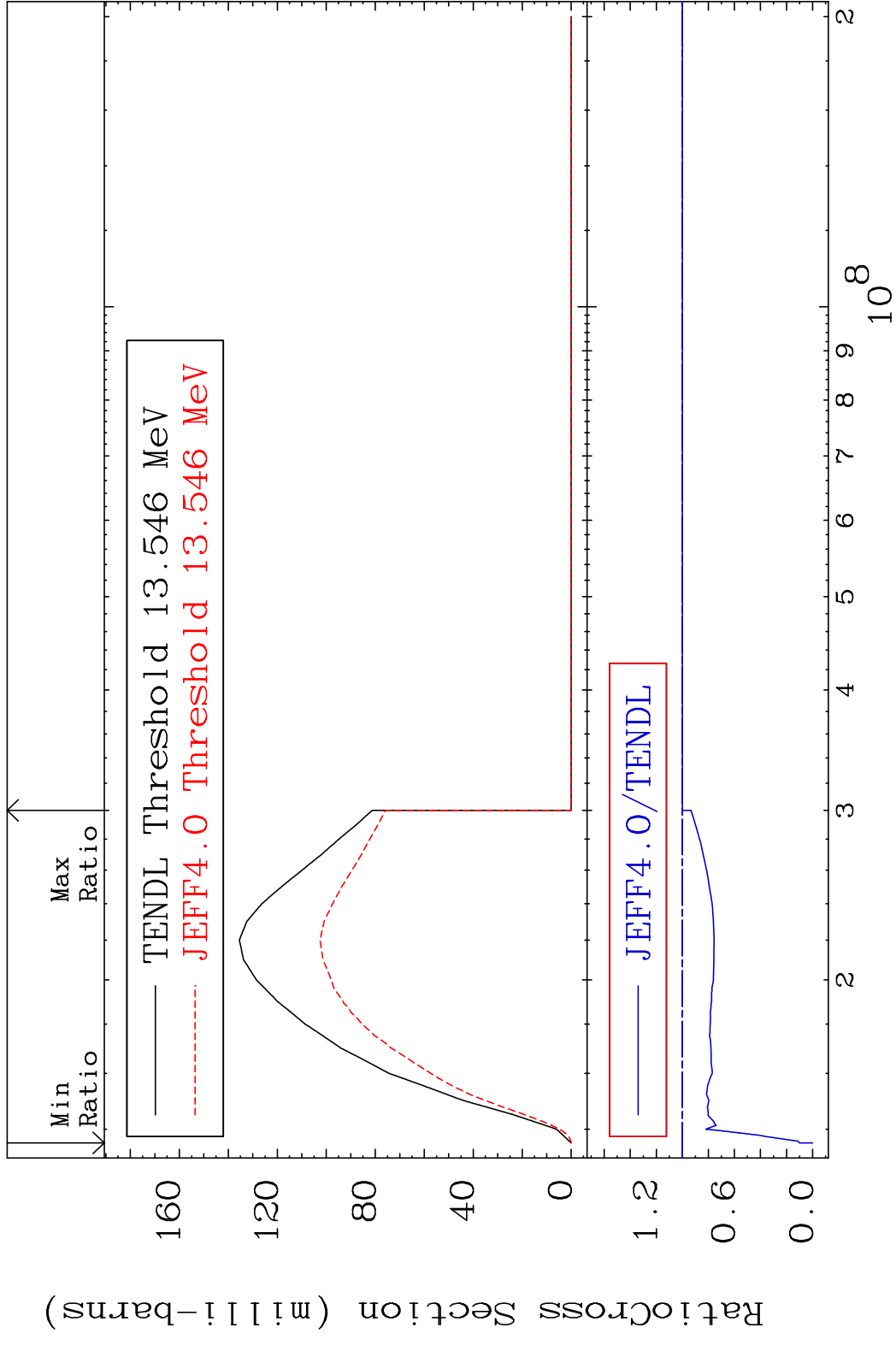
(n,2n) d

13-A1-27

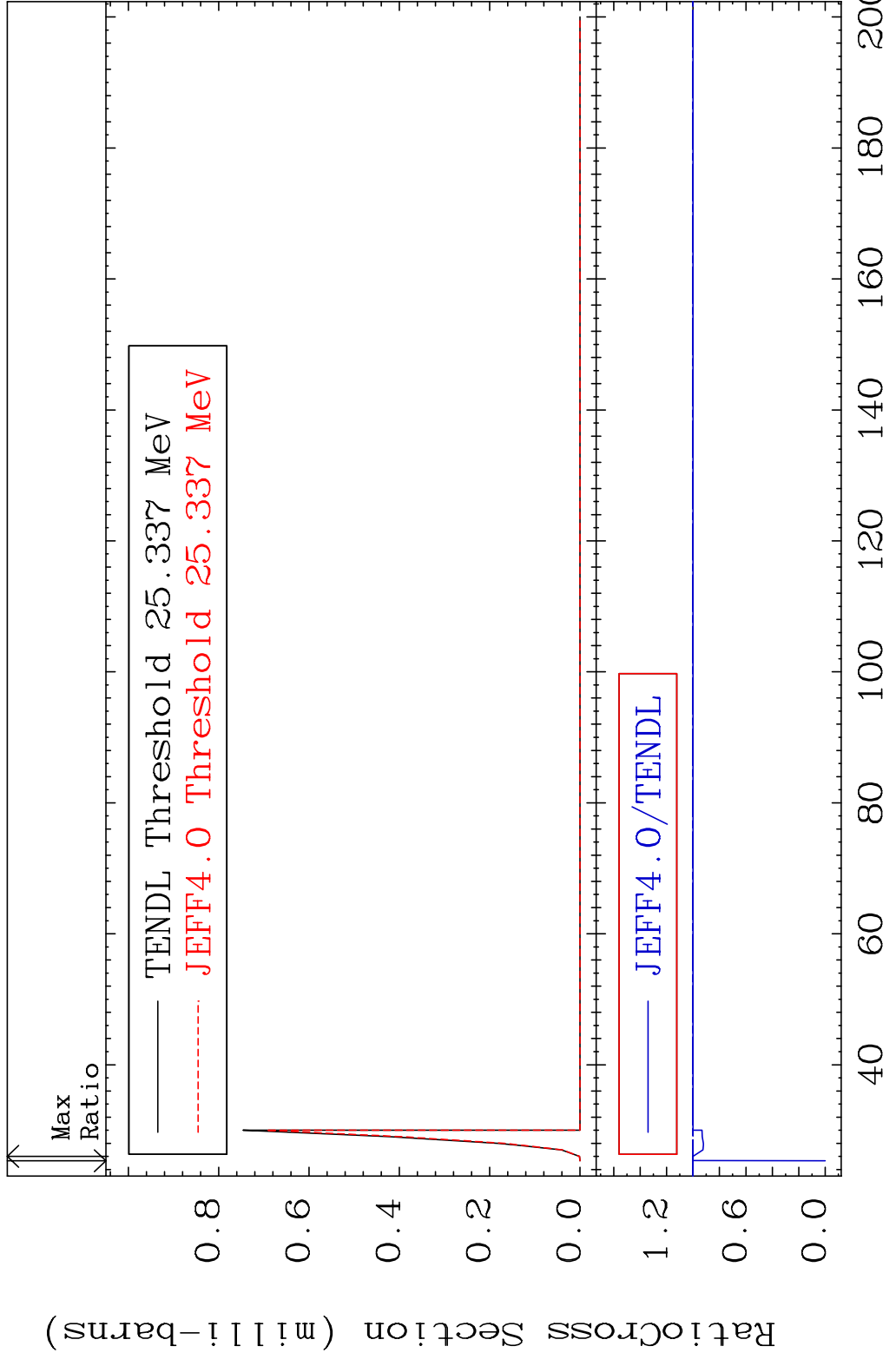
Cross Section -100.0 To 0.000 %



MAT 1325 (n,2n) 13-Al-27  
 Cross Section -100.0 To 0.000 %



MAT 1325 (n,3n) 13-Al-27  
 Cross Section -100.0 To 0.089 %

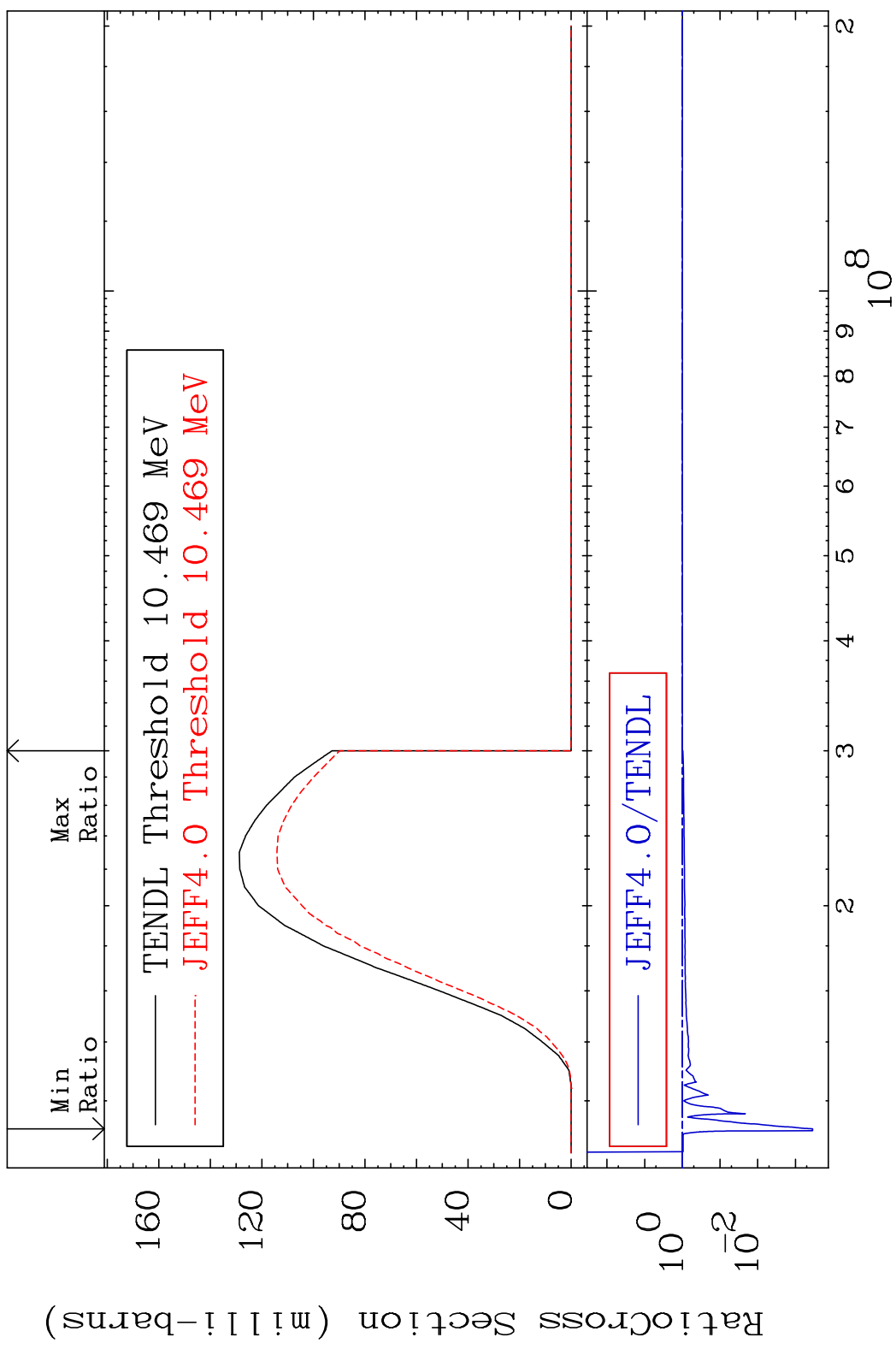


MAT 1325

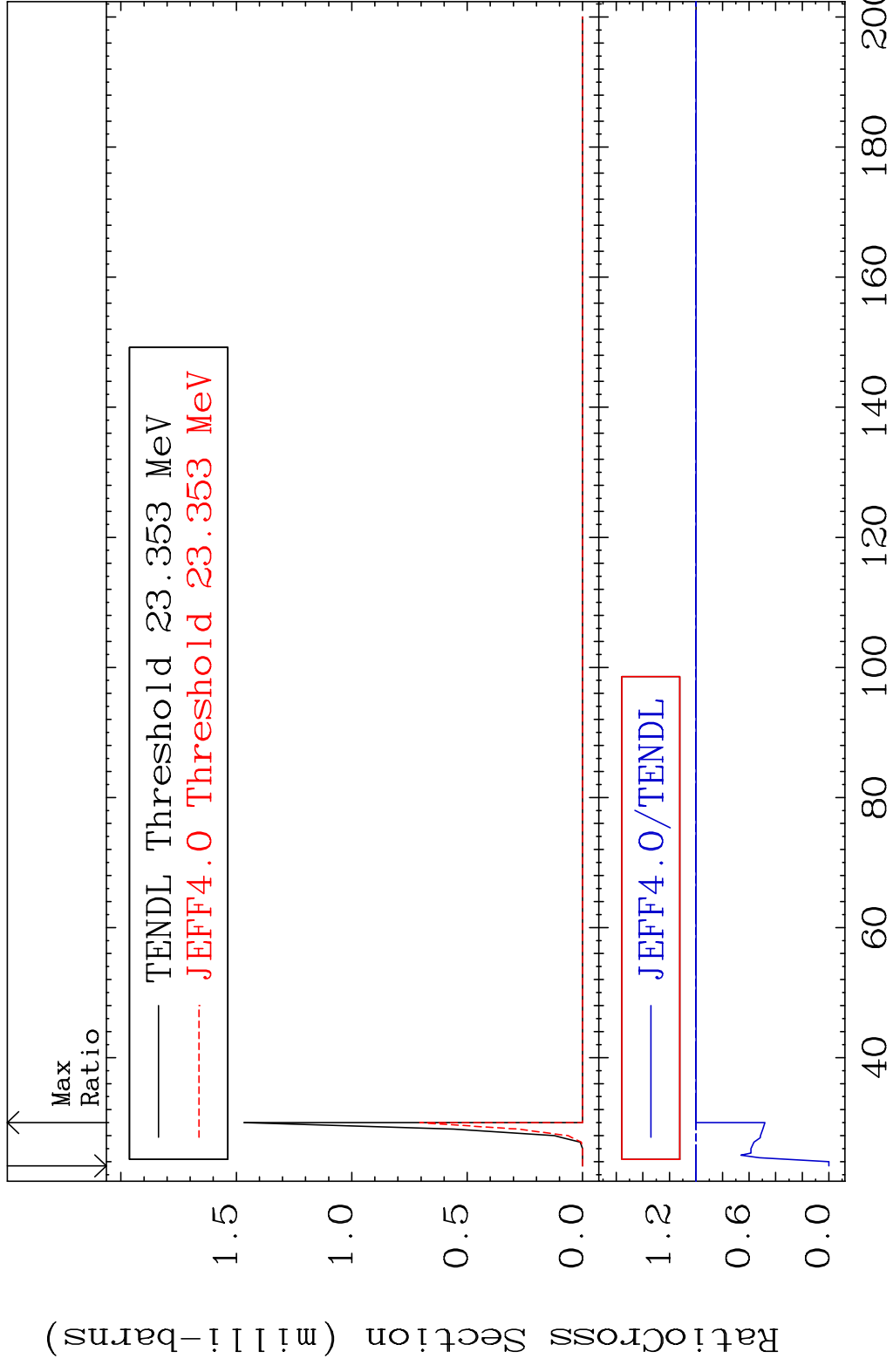
(n, n')  $\alpha$

13-A1-27

Cross Section -99.96 To 0.000 %



MAT 1325 (n,2n)  $\alpha$  13-Al-27  
 Cross Section -100.0 To 0.000 %

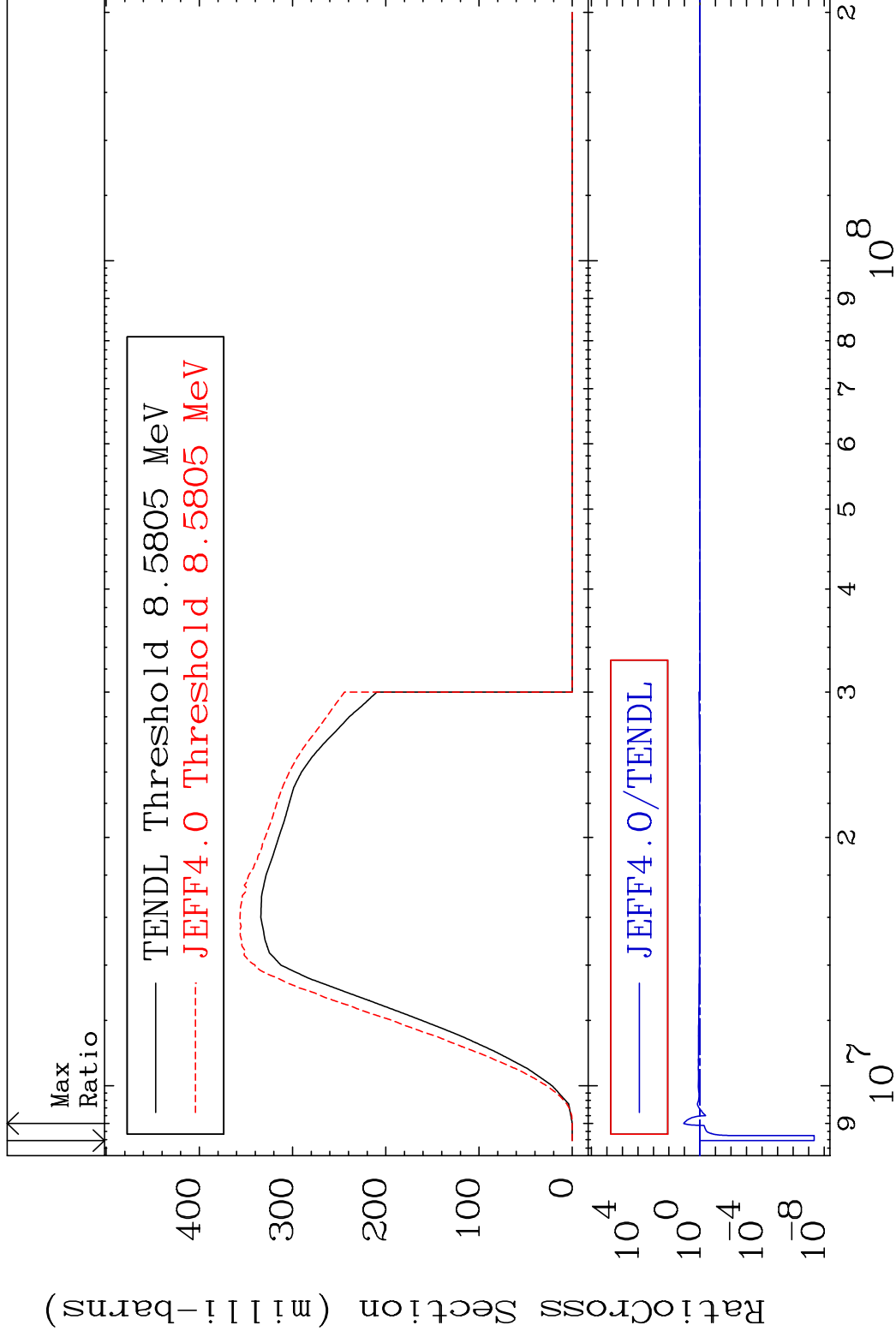


MAT 1325

(n, n') p

13-Al-27

Cross Section -100.0 To 1026. %

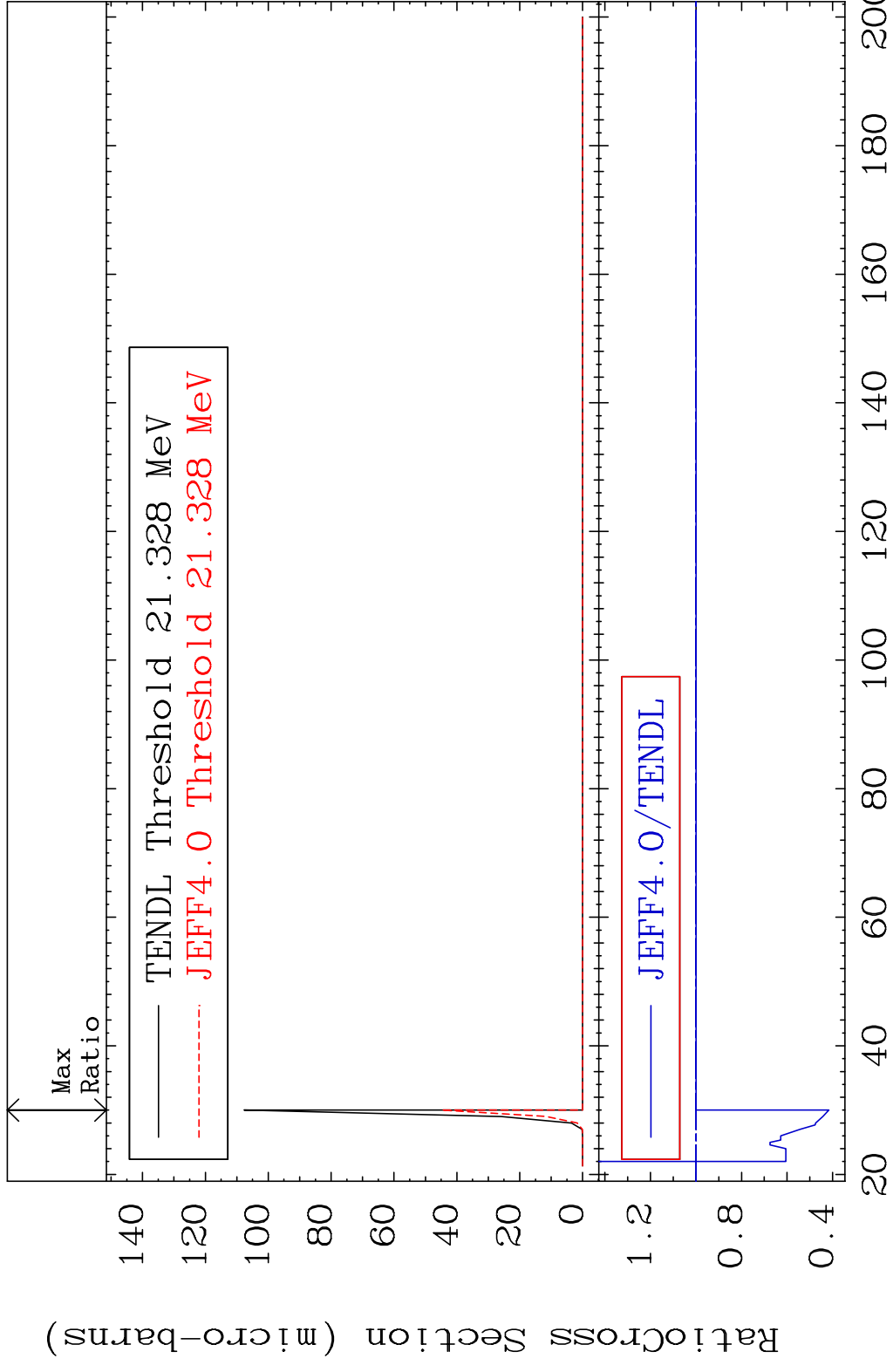


9

Incident Energy (eV)

13-Al-27

MAT 1325 (n, n') 2α 13-Al-27  
 Cross Section -58.34 To 0.000 %

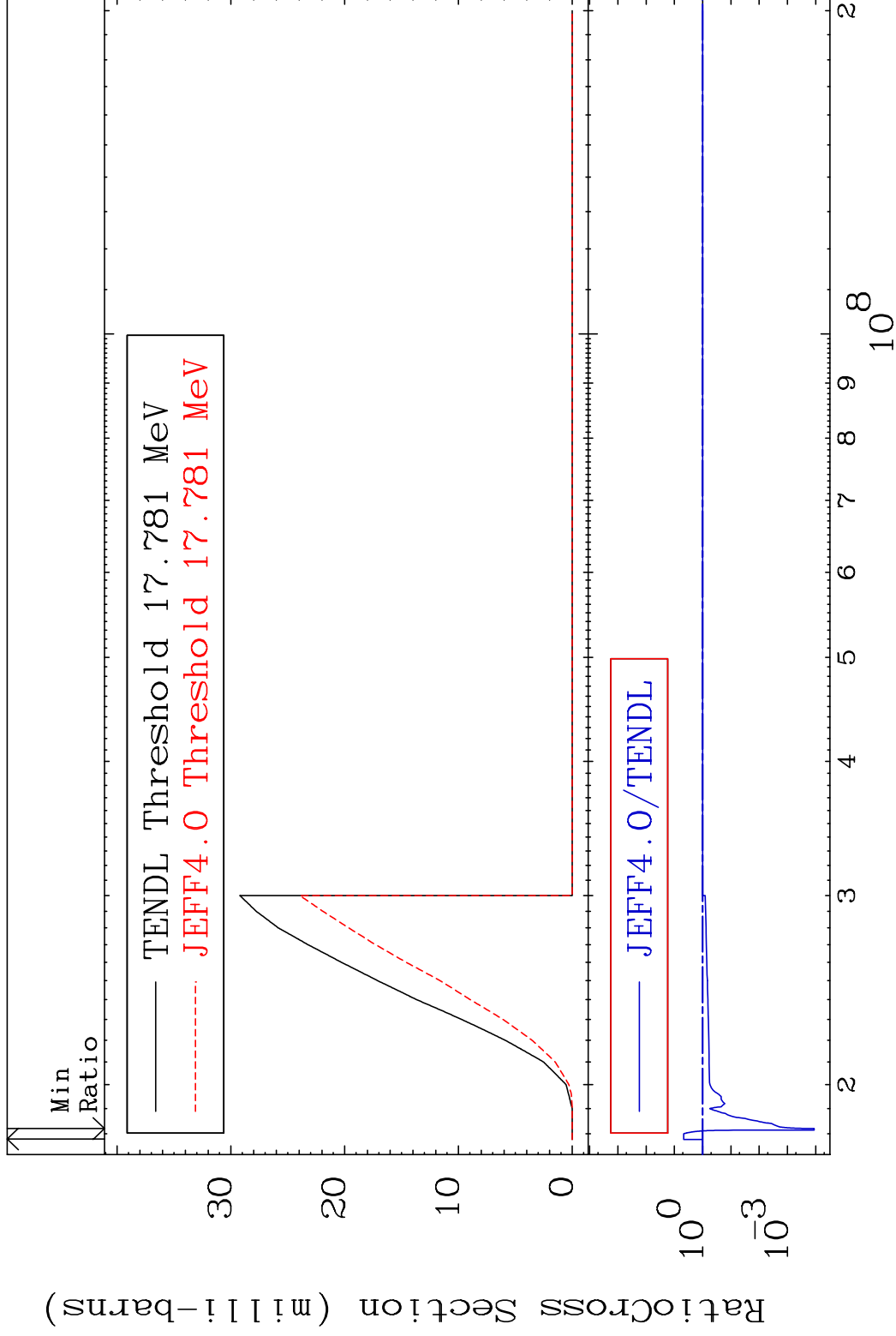


MAT 1325

(n, n') d

13-A1-27

Cross Section -99.99 To 369.4 %



11

Incident Energy (eV)

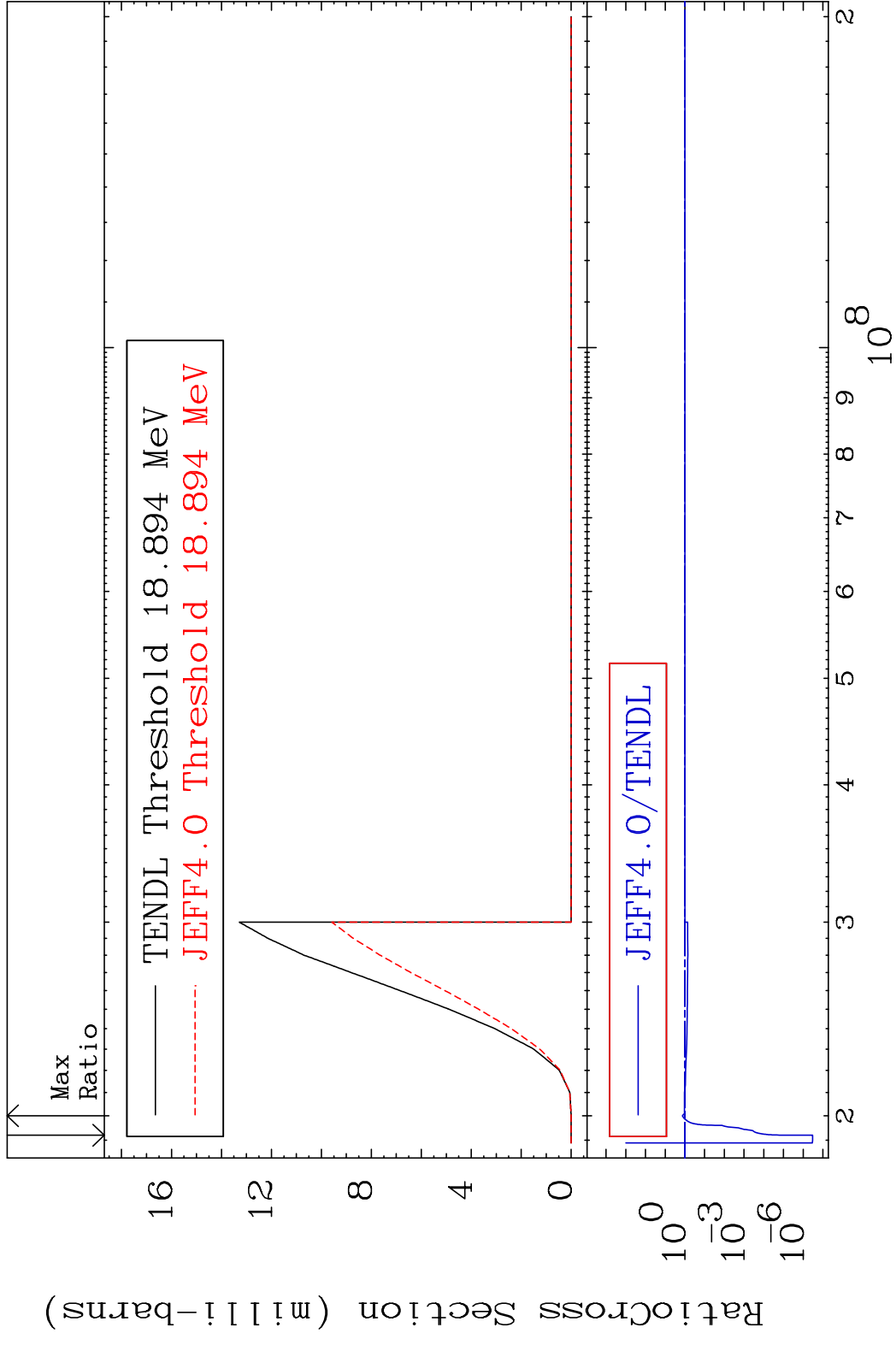
13-A1-27

MAT 1325

(n, n') t

13-A1-27

Cross Section -100.0 To 34.74 %



12

Incident Energy (eV)

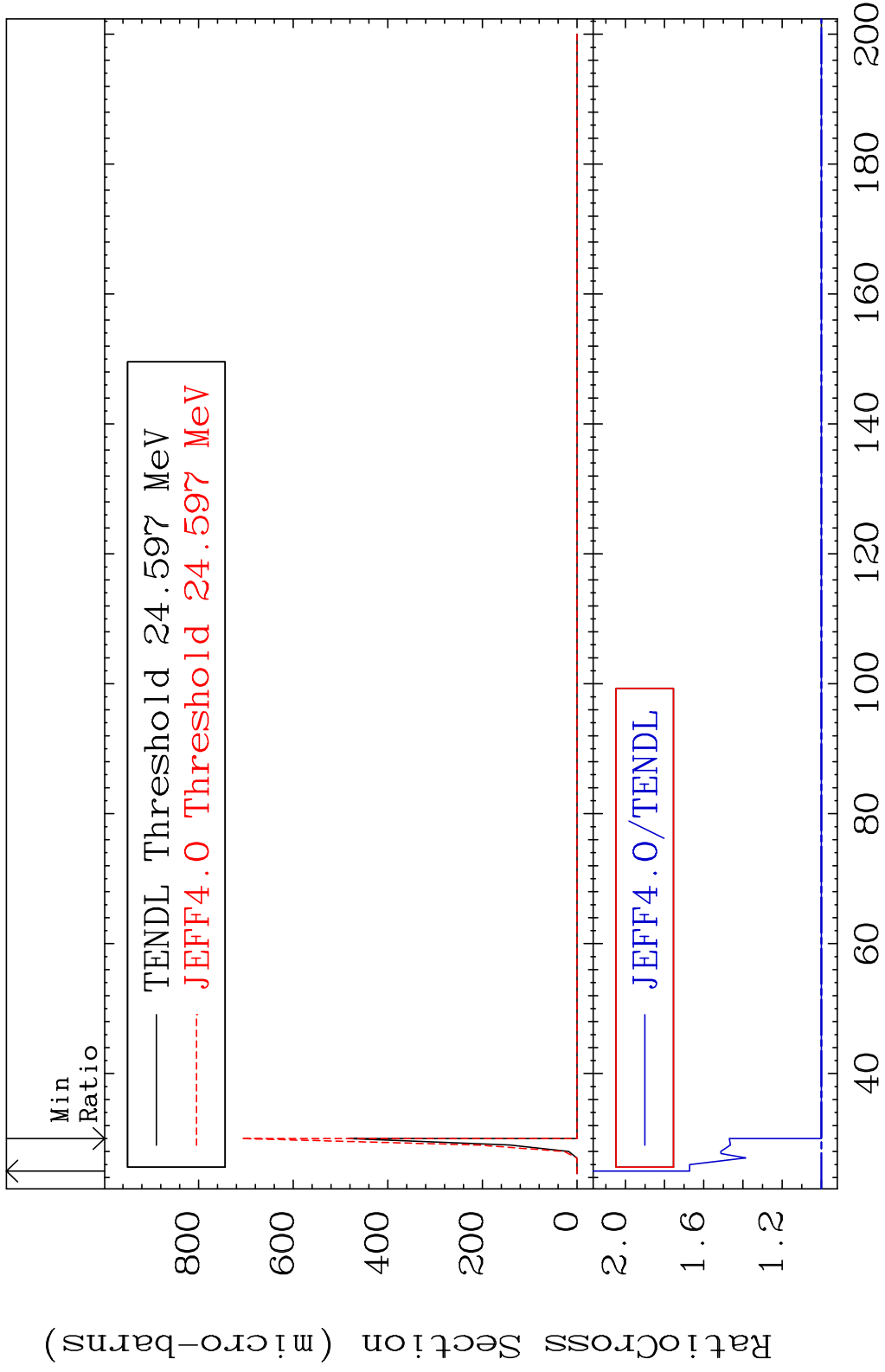
13-A1-27

MAT 1325

(n,n') He-3

13-A1-27

Cross Section 0.000 To 67.23 %

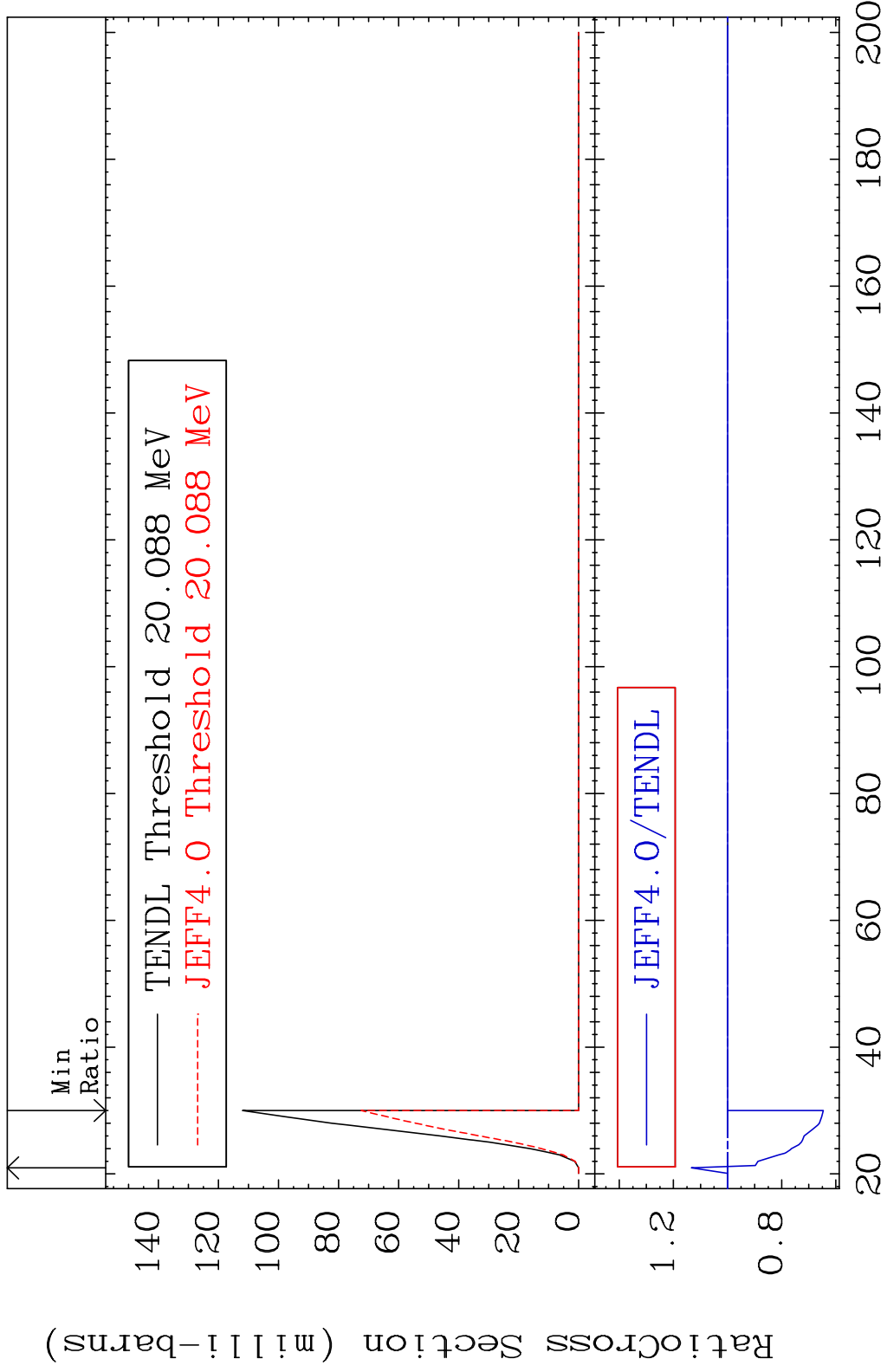


MAT 1325

(n,2n) p

13-A1-27

Cross Section -35.34 To 13.40 %

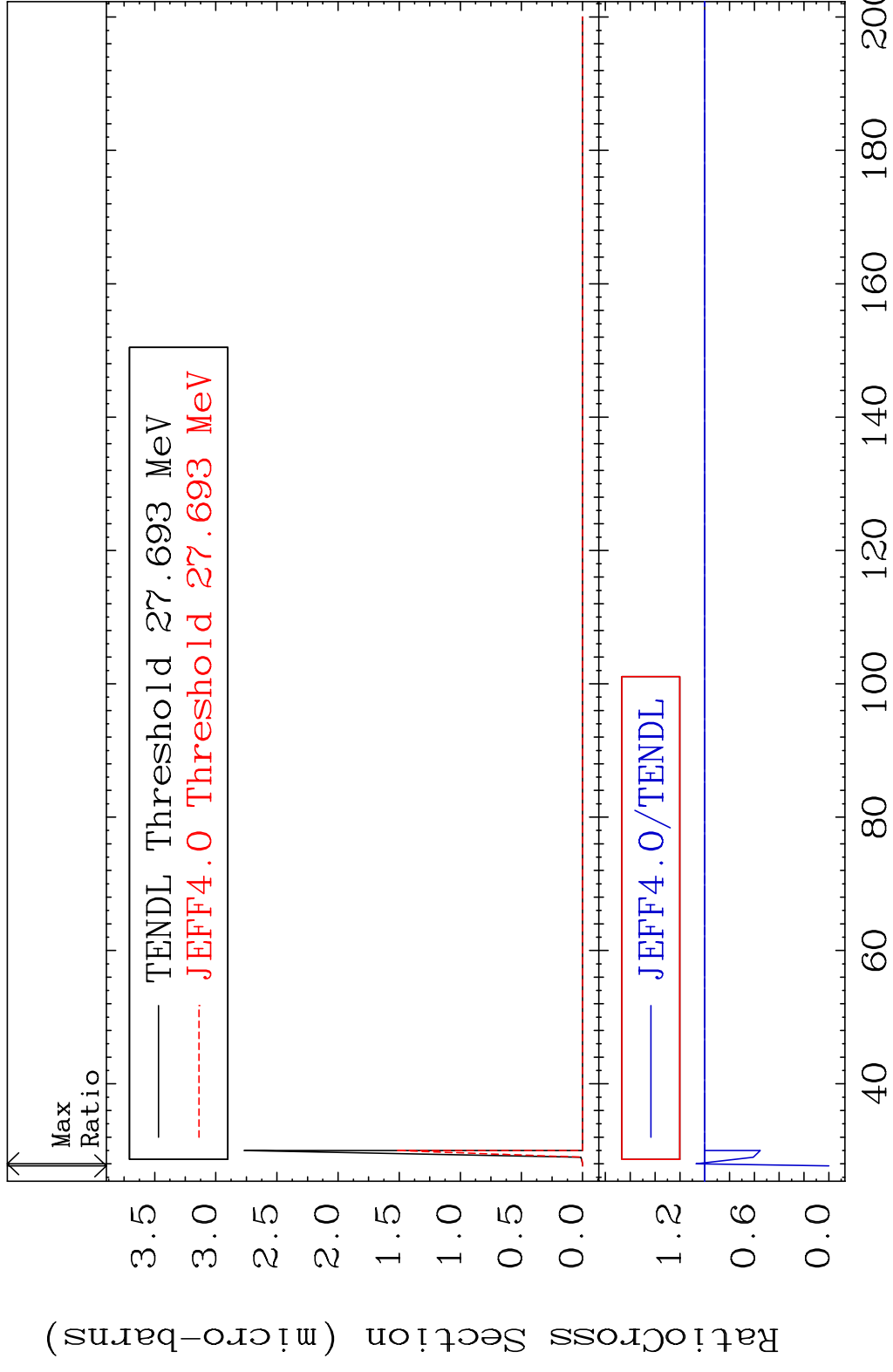


14

Incident Energy (MeV)

13-A1-27

MAT 1325 (n,3n) p 13-Al-27  
 Cross Section -100.0 To 7.015 %

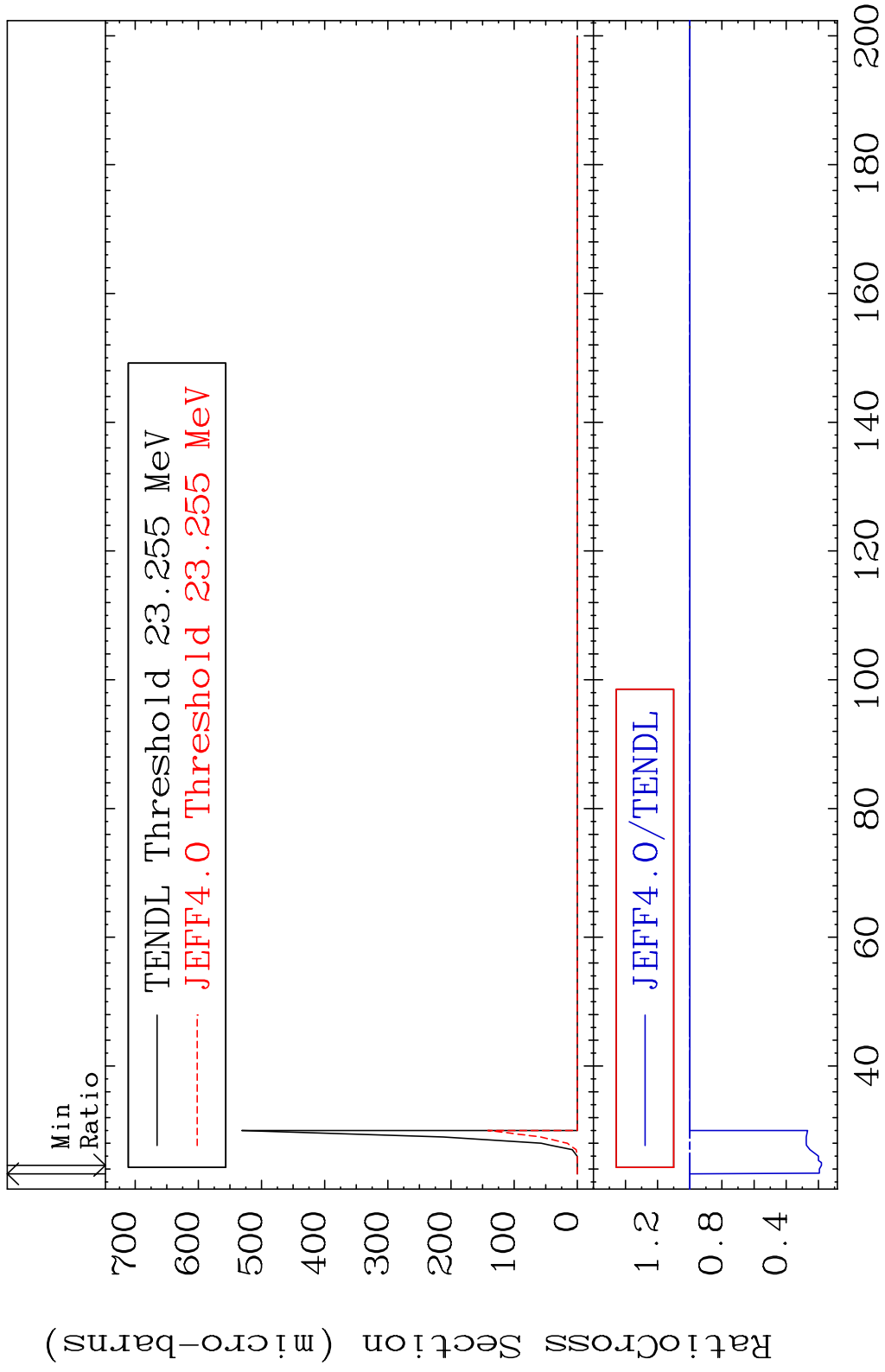


MAT 1325

(n,2n) p

13-A1-27

Cross Section -81.85 To 0.000 %

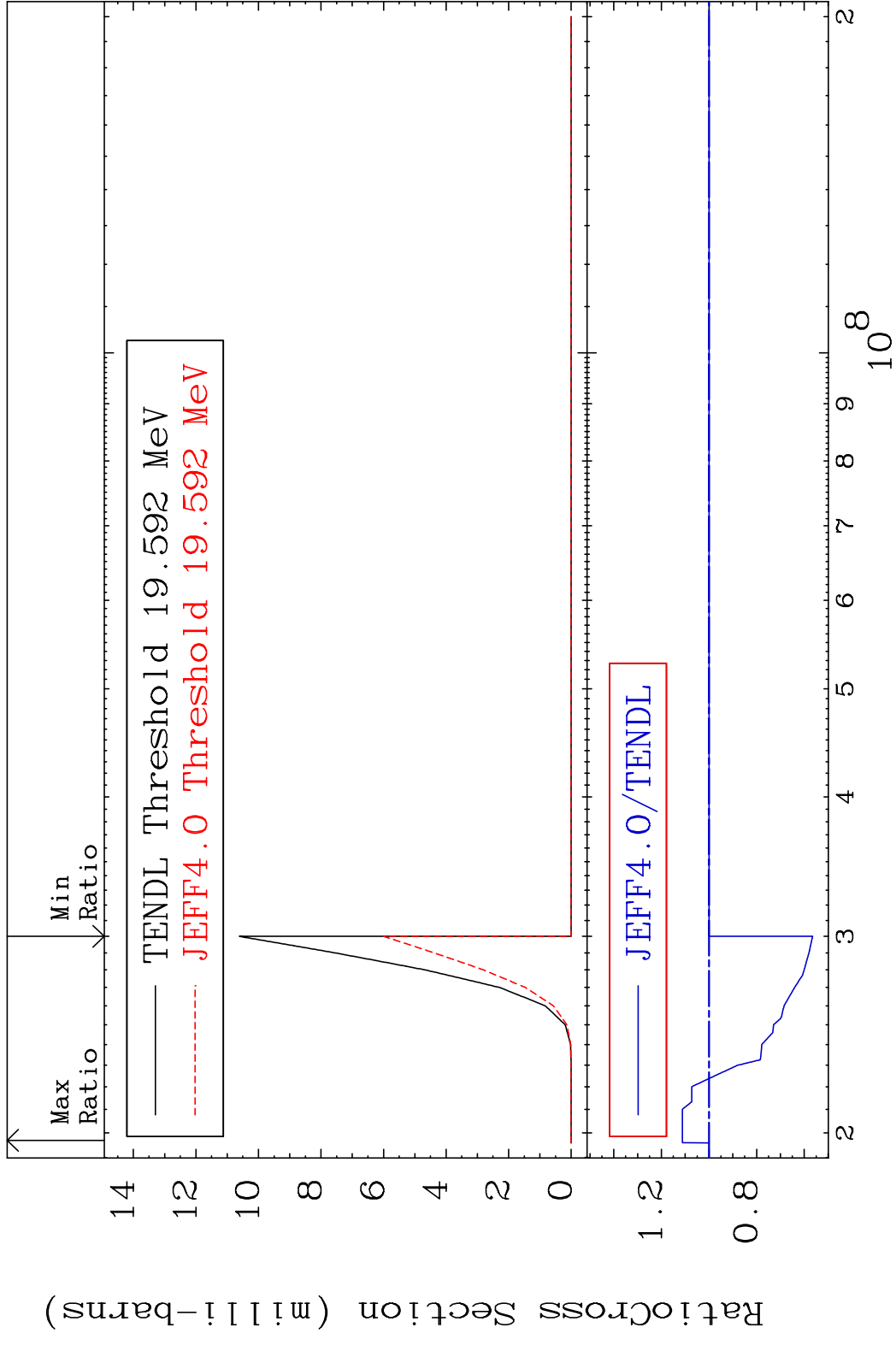


MAT 1325

(n,n') p  $\alpha$

13-A1-27

Cross Section -43.49 To 11.20 %

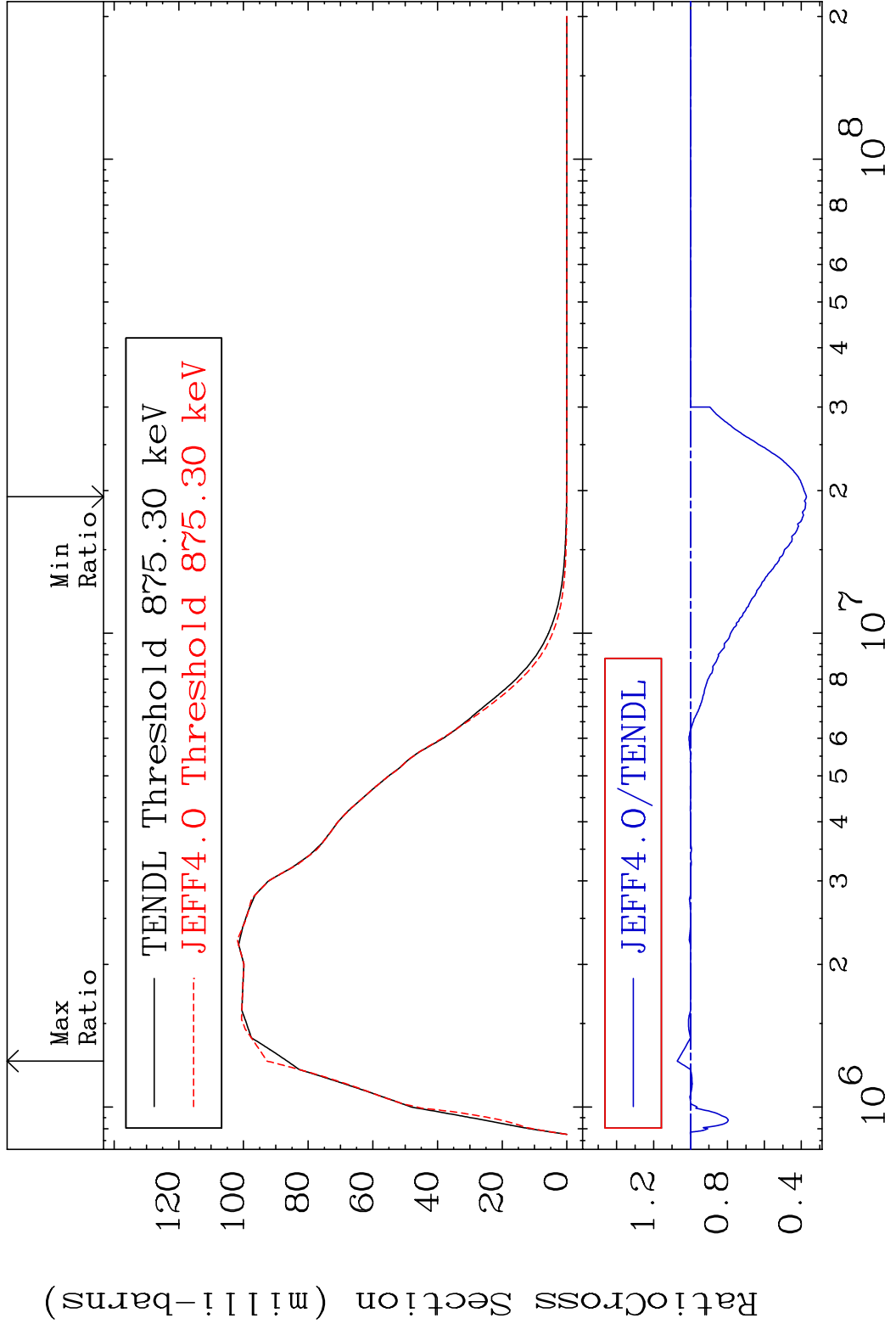


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Incident Energy (eV)

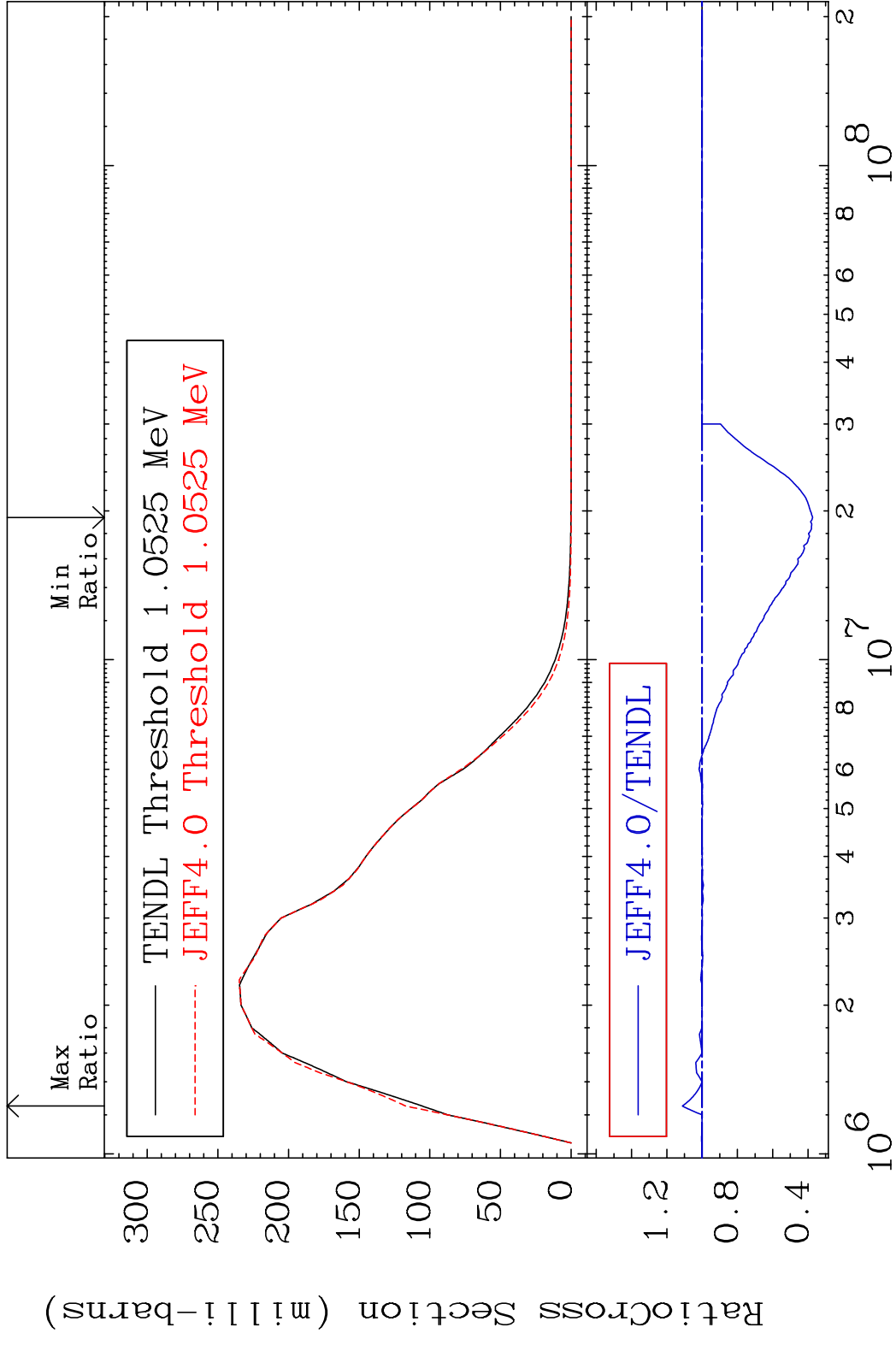
13-A1-27

MAT 1325 MT= 51 (n, n') Level 13-Al-27  
 Cross Section -62.76 To 7.227 %



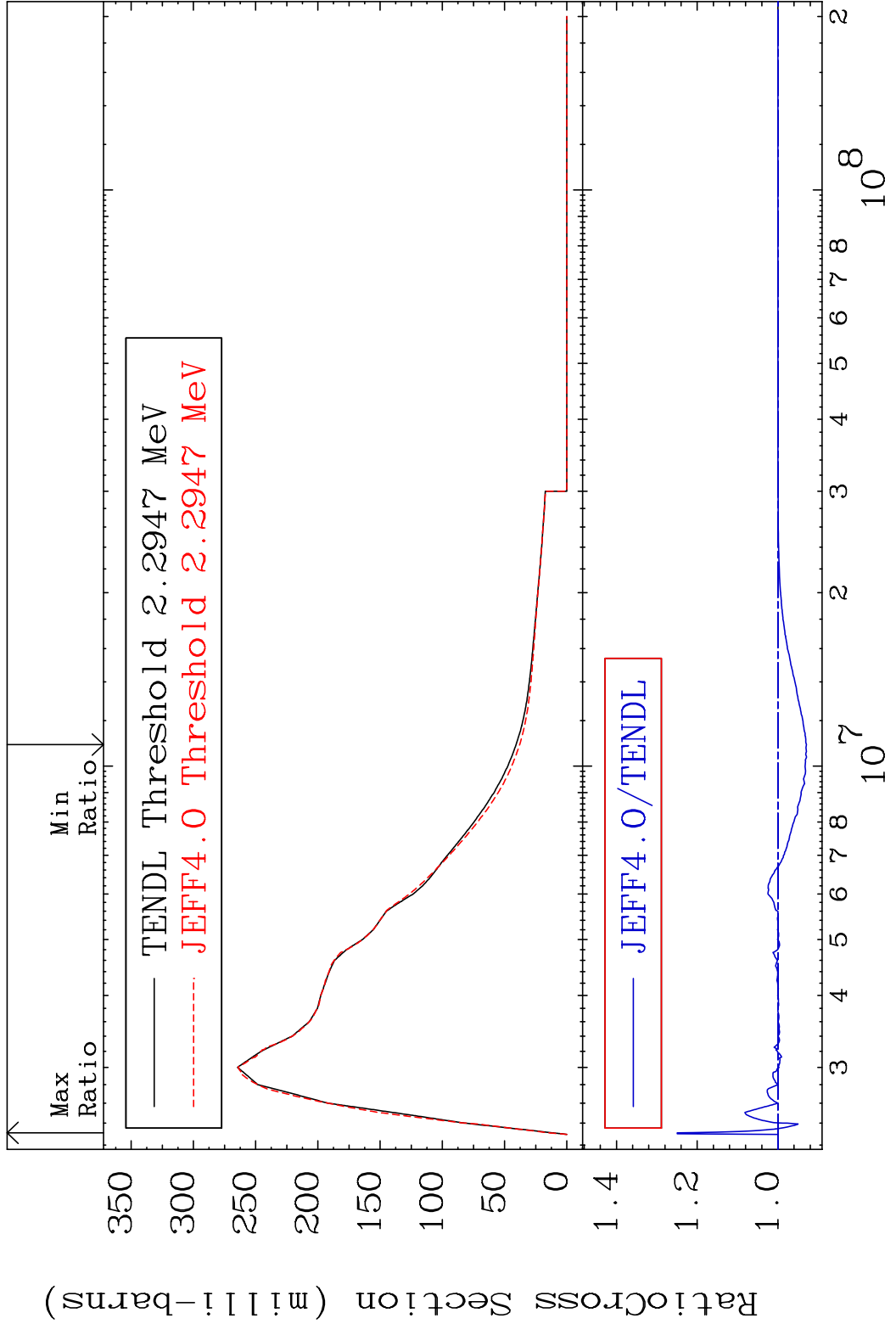
18 Incident Energy (eV) 13-Al-27

MAT 1325 MT= 52 (n, n') Level 13-Al-27  
 Cross Section -62.60 To 11.20 %



19 Incident Energy (eV) 13-Al-27

MAT 1325 MT= 53 (n, n') Level 13-A1-27  
 Cross Section -7.049 To 24.96 %

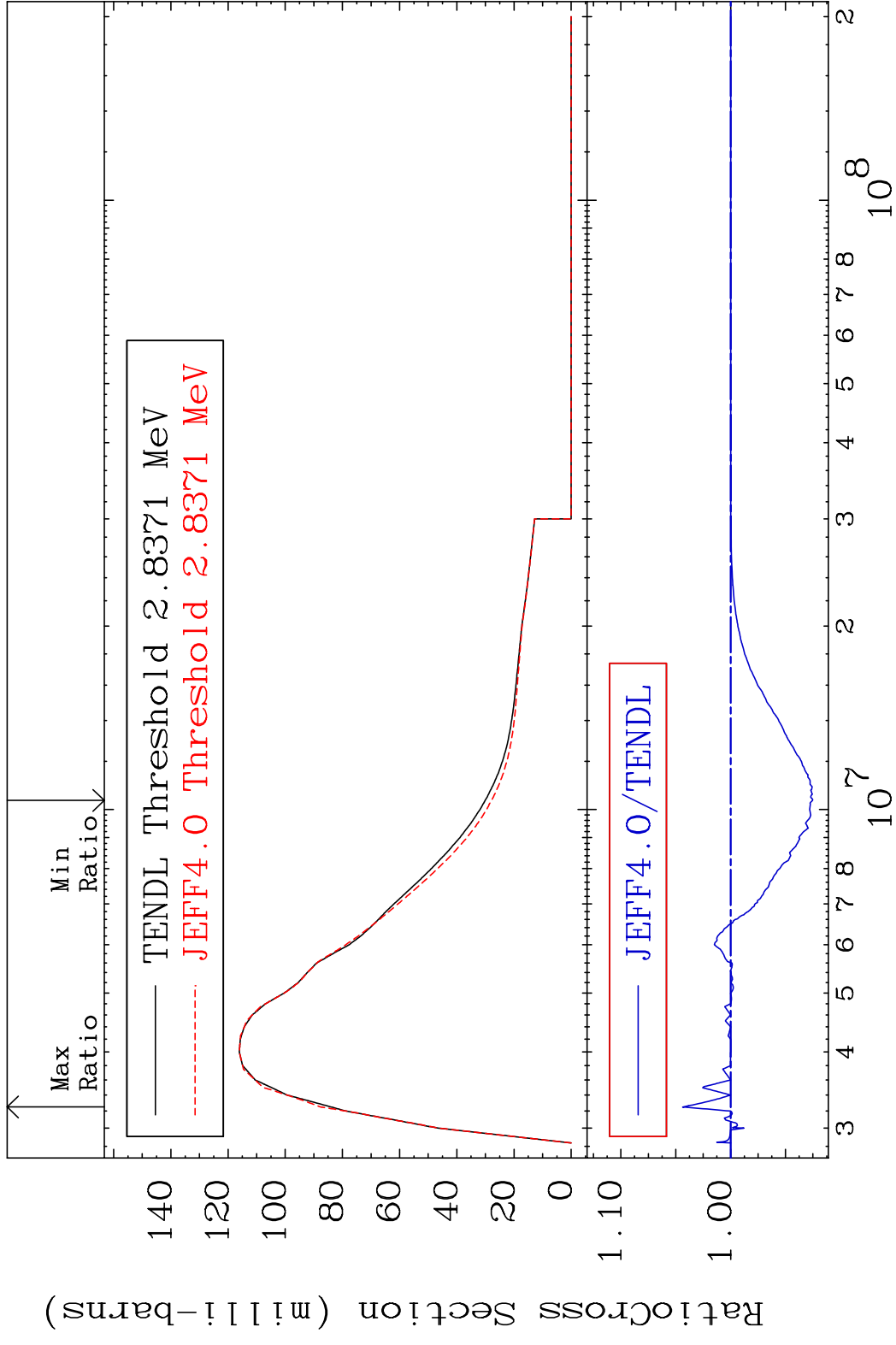


MAT 1325

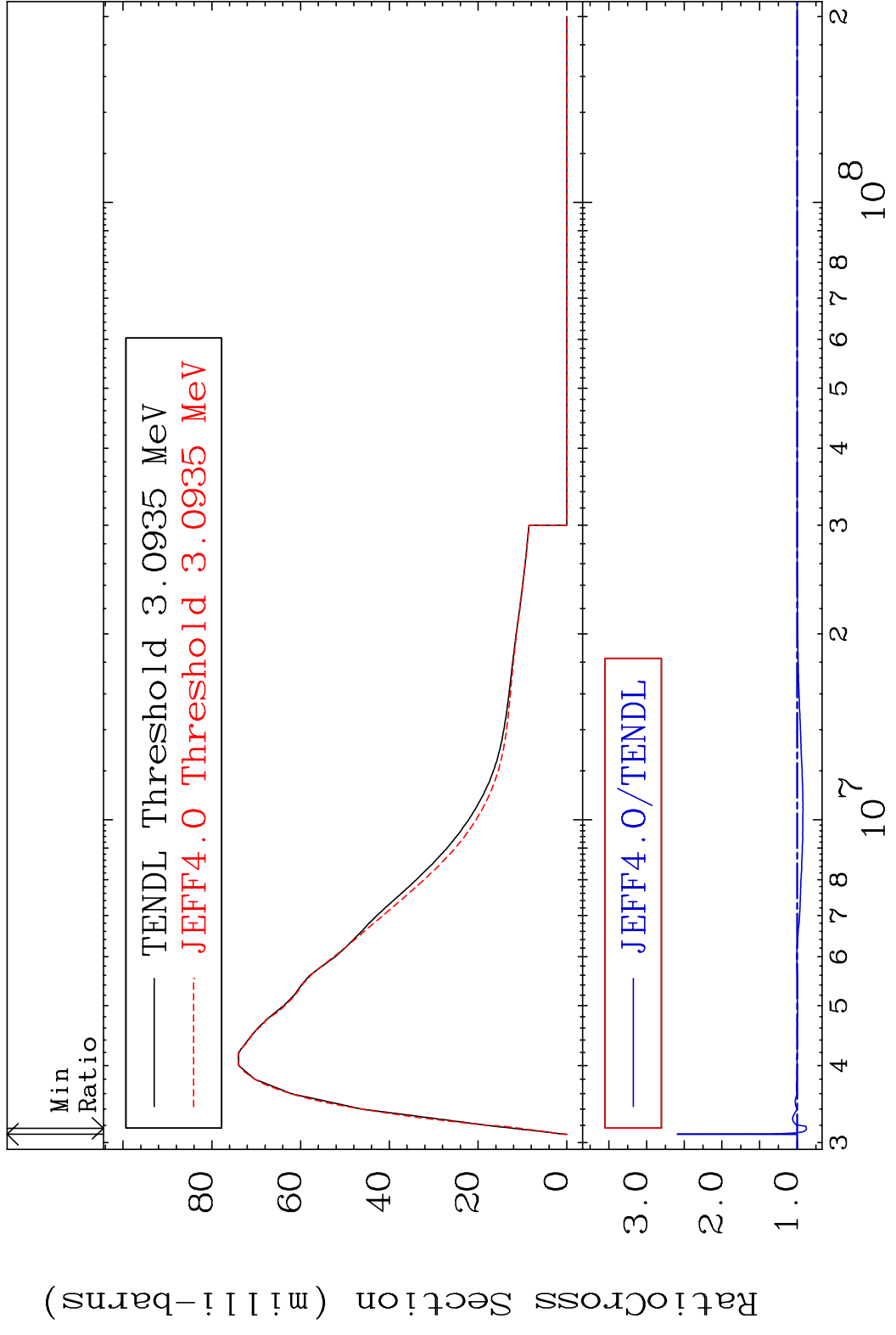
MT= 54 (n, n') Level

13-A1-27

Cross Section -7.466 To 4.398 %



MAT 1325 MT= 55 (n,n') Level 13-Al-27  
 Cross Section -12.25 To 159.4 %

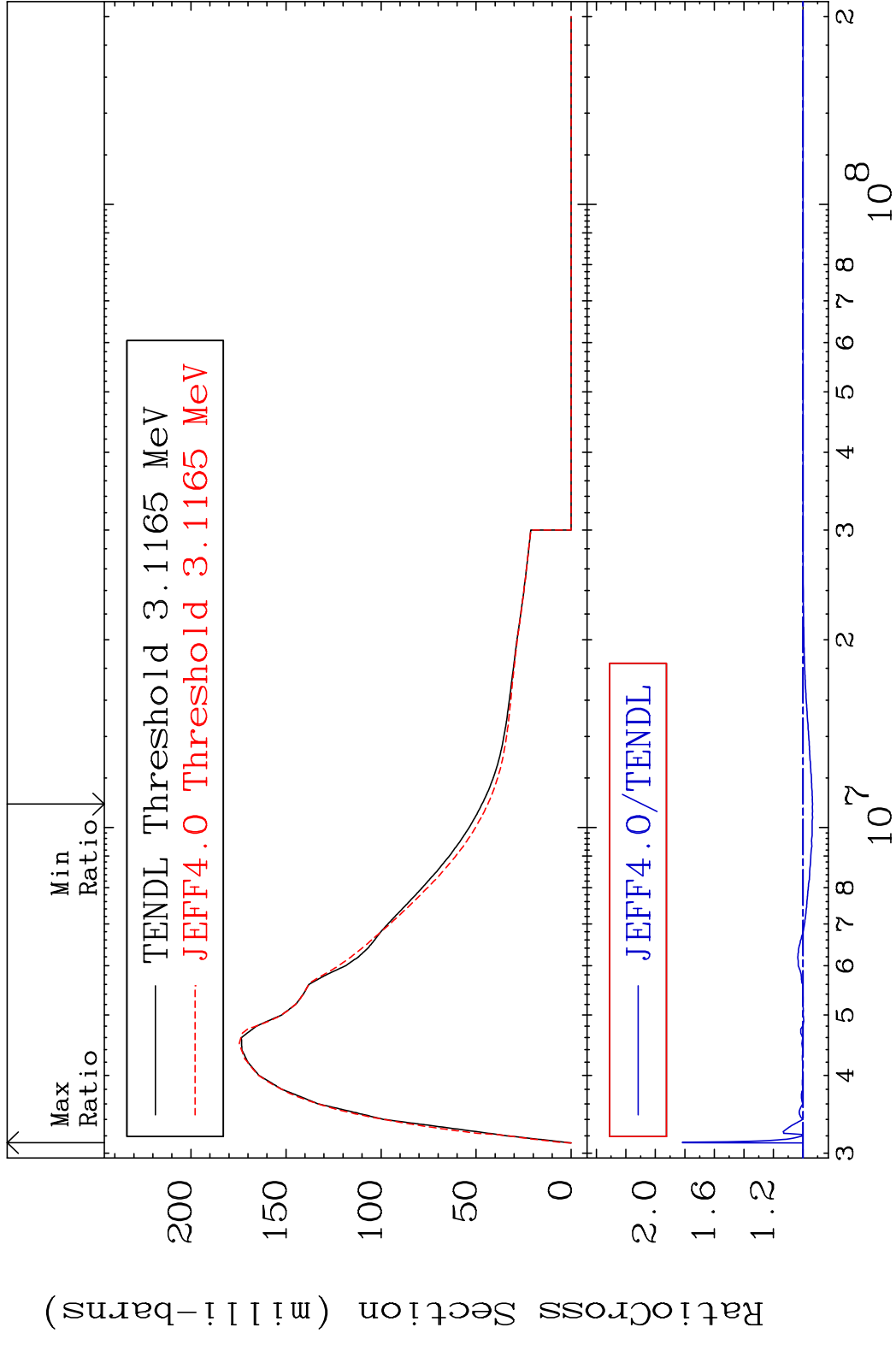


MAT 1325

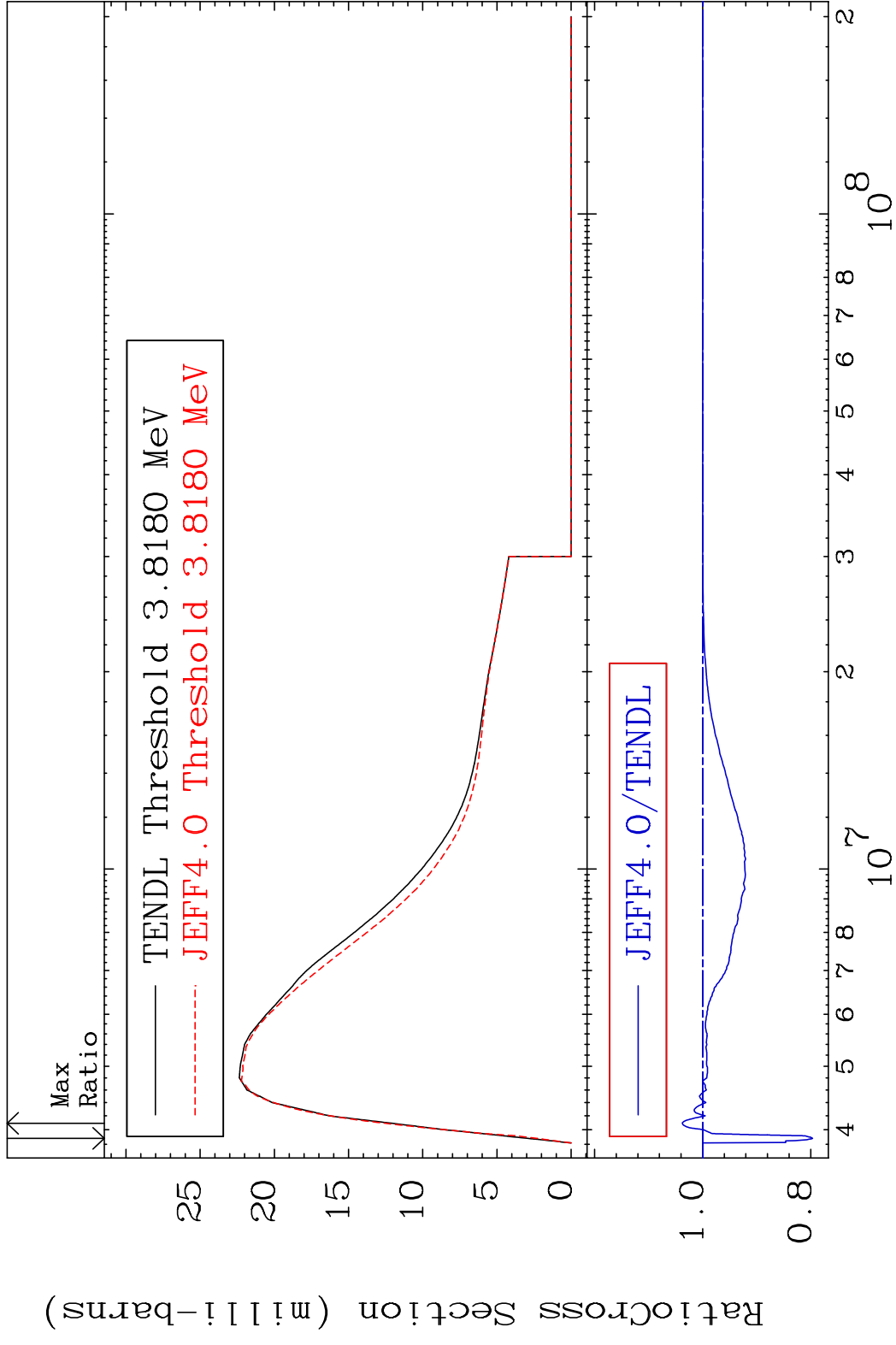
MT= 56 (n,n') Level

13-A1-27

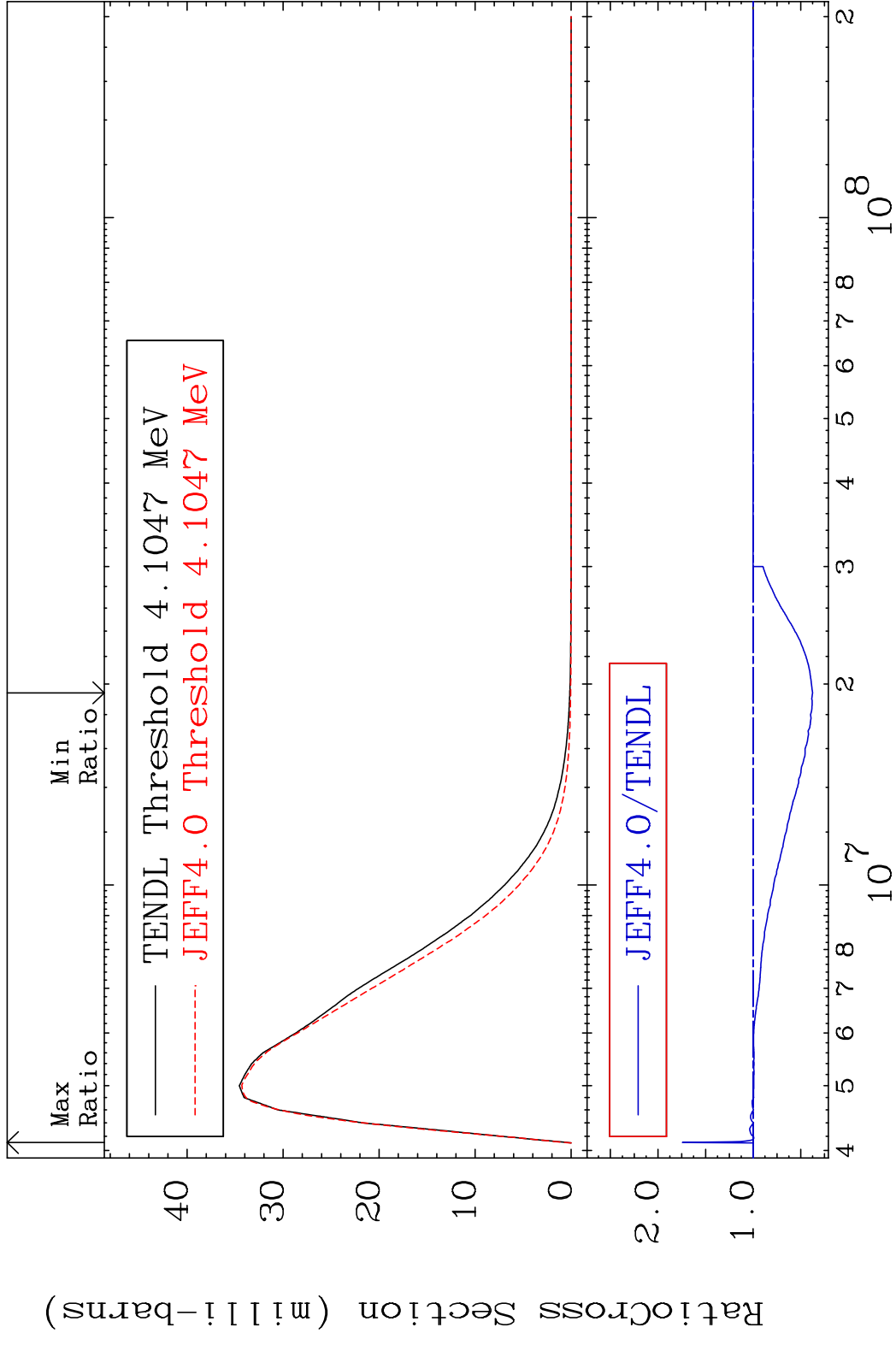
Cross Section -6.509 To 81.71 %



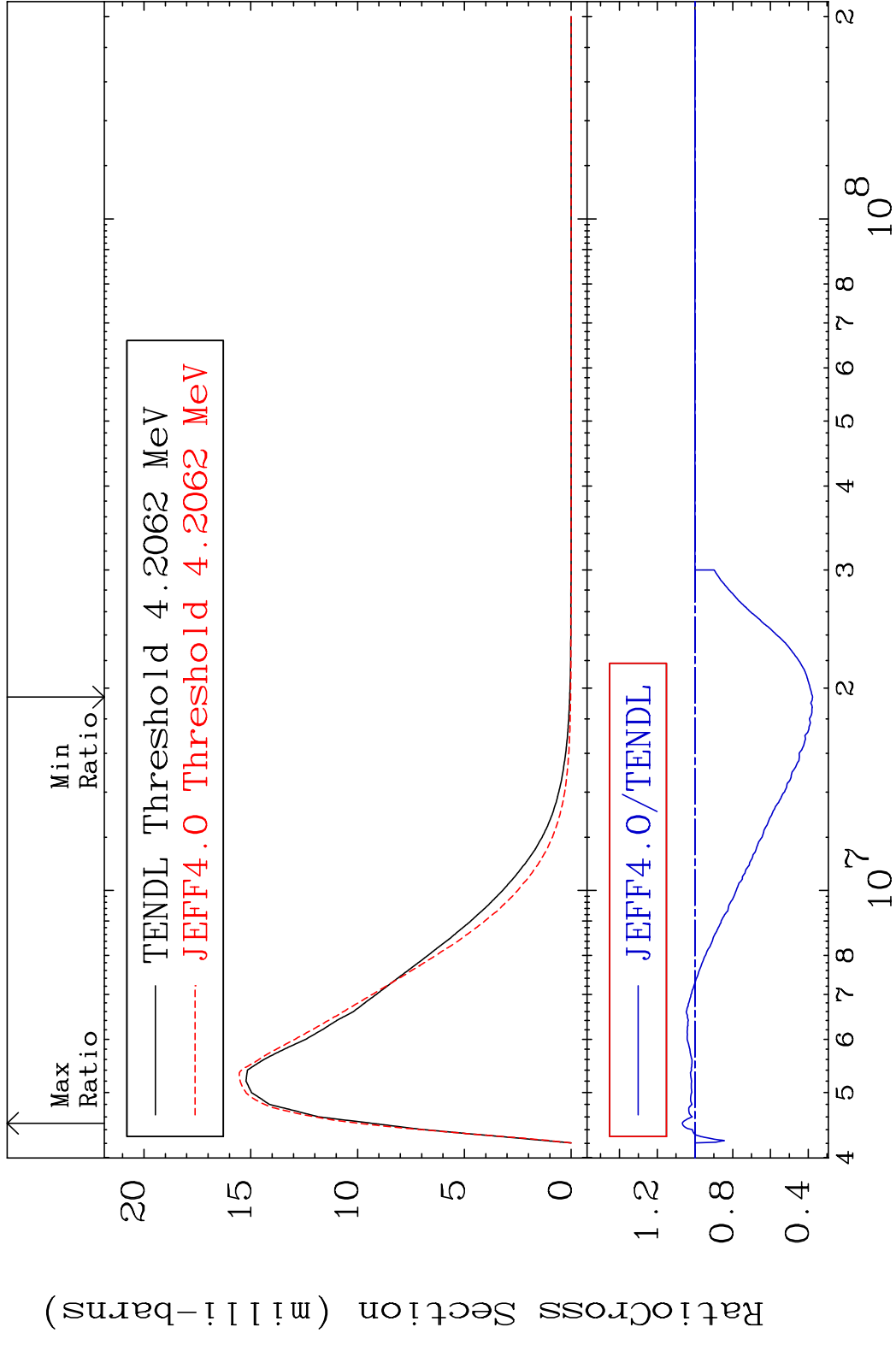
MAT 1325 MT= 57 (n,n') Level 13-A1-27  
 Cross Section -20.34 To 3.759 %



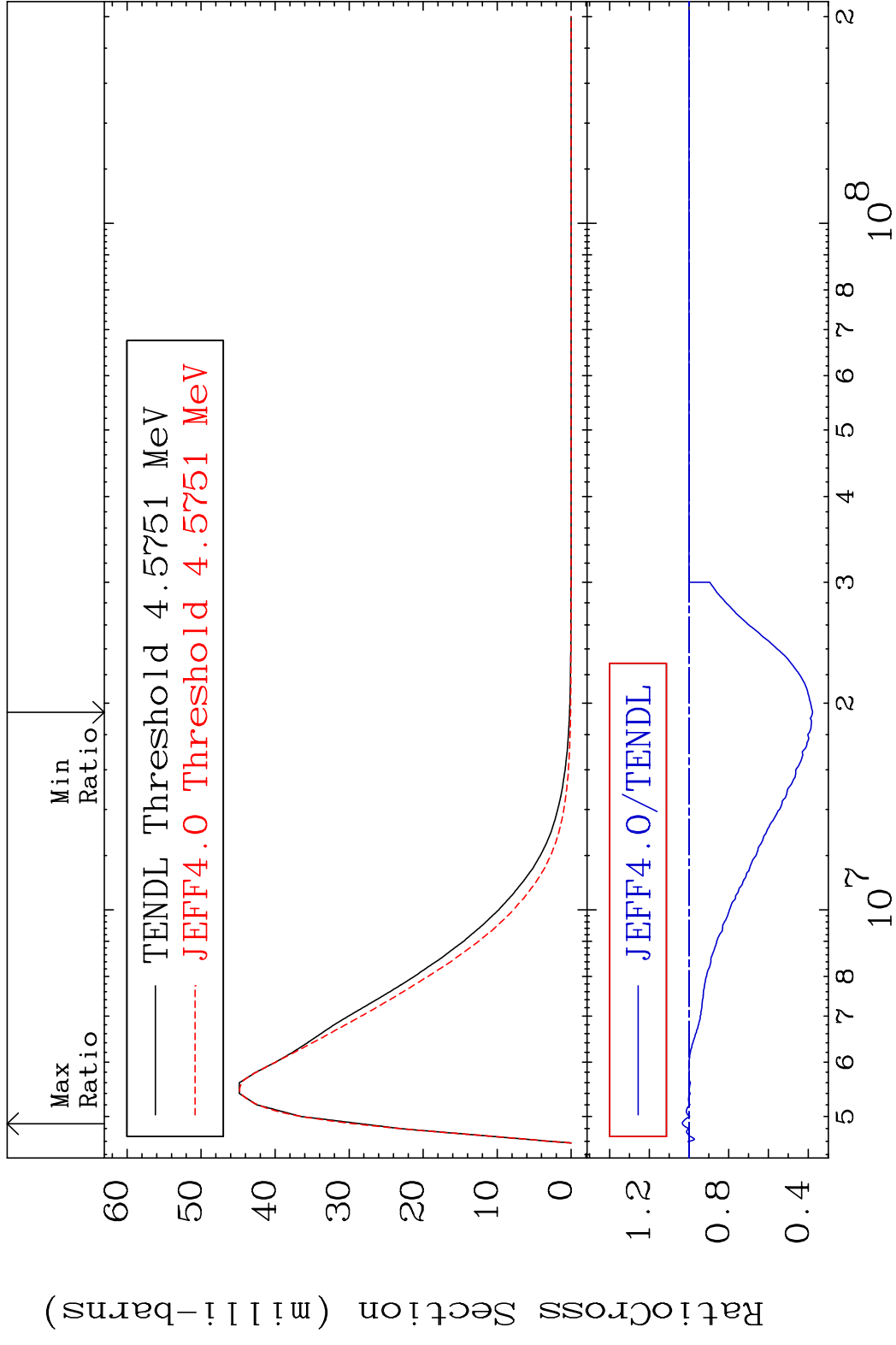
MAT 1325 MT= 58 (n, n') Level 13-A1-27  
 Cross Section -62.46 To 74.39 %



MAT 1325 MT= 59 (n, n') Level 13-Al-27  
 Cross Section -62.32 To 6.667 %



MAT 1325 MT= 60 (n, n') Level 13-A1-27  
 Cross Section -62.20 To 3.346 %

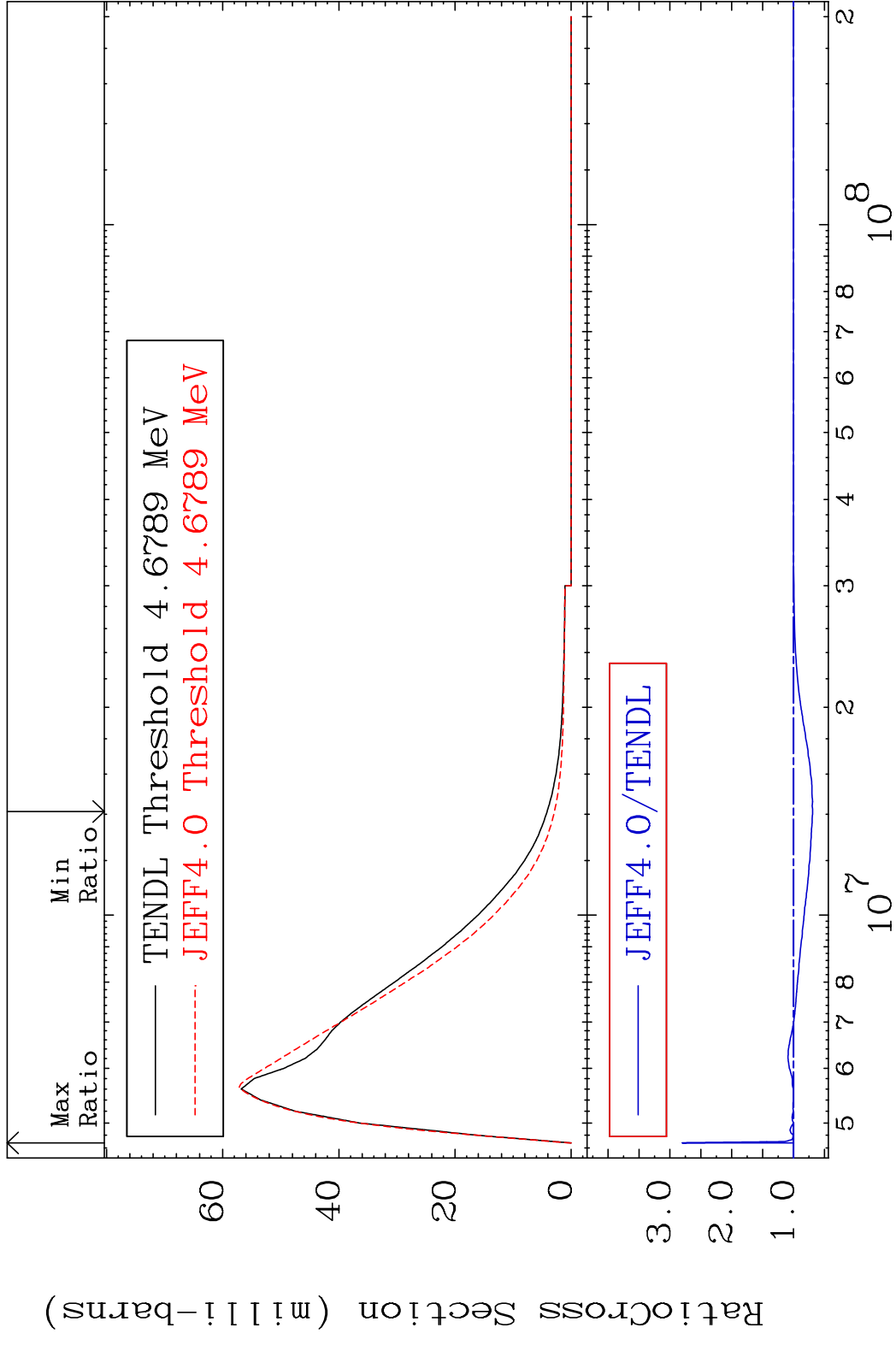


MAT 1325

MT= 61 (n, n') Level

13-A1-27

Cross Section -30.74 To 179.9 %

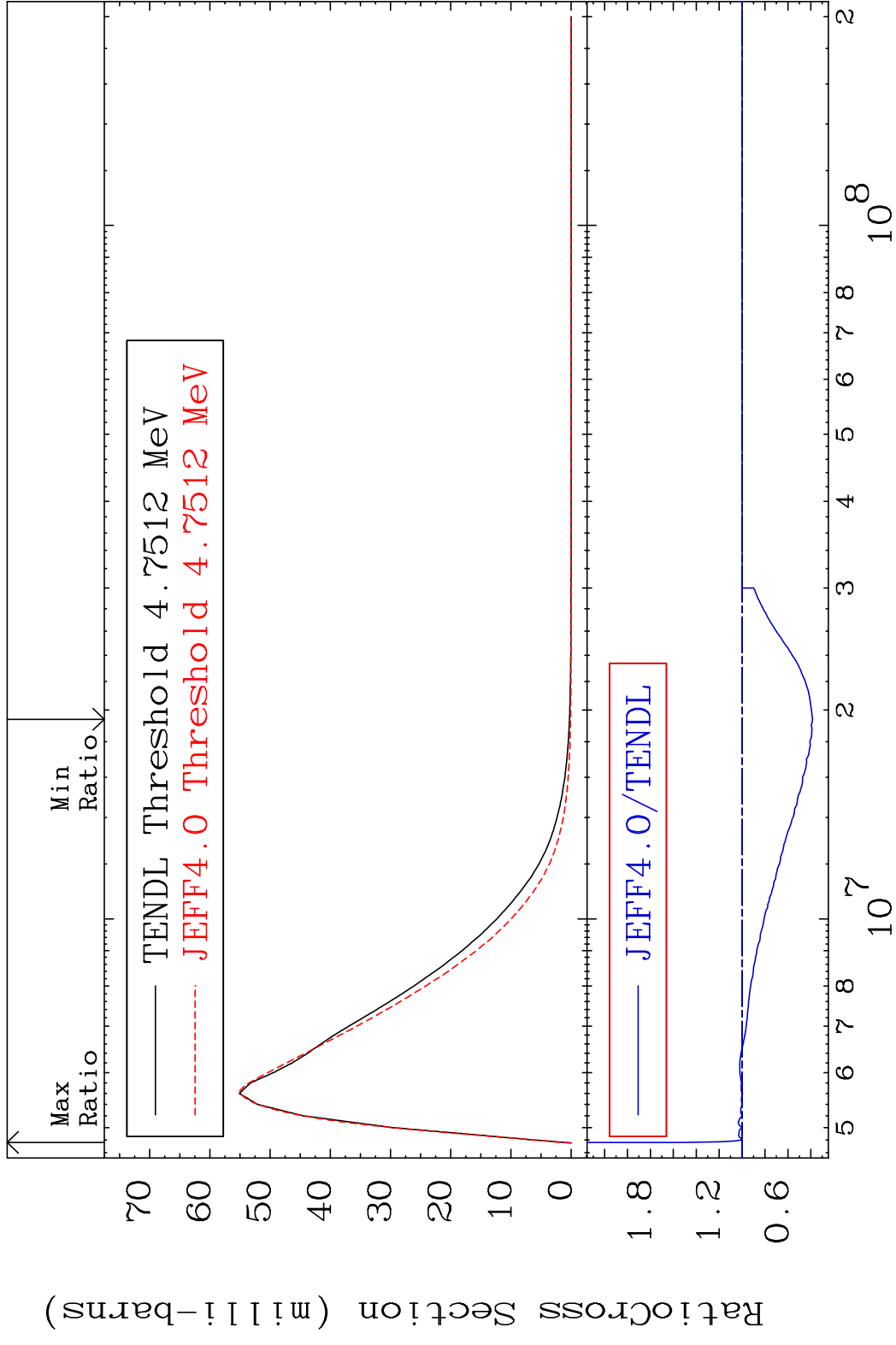


28

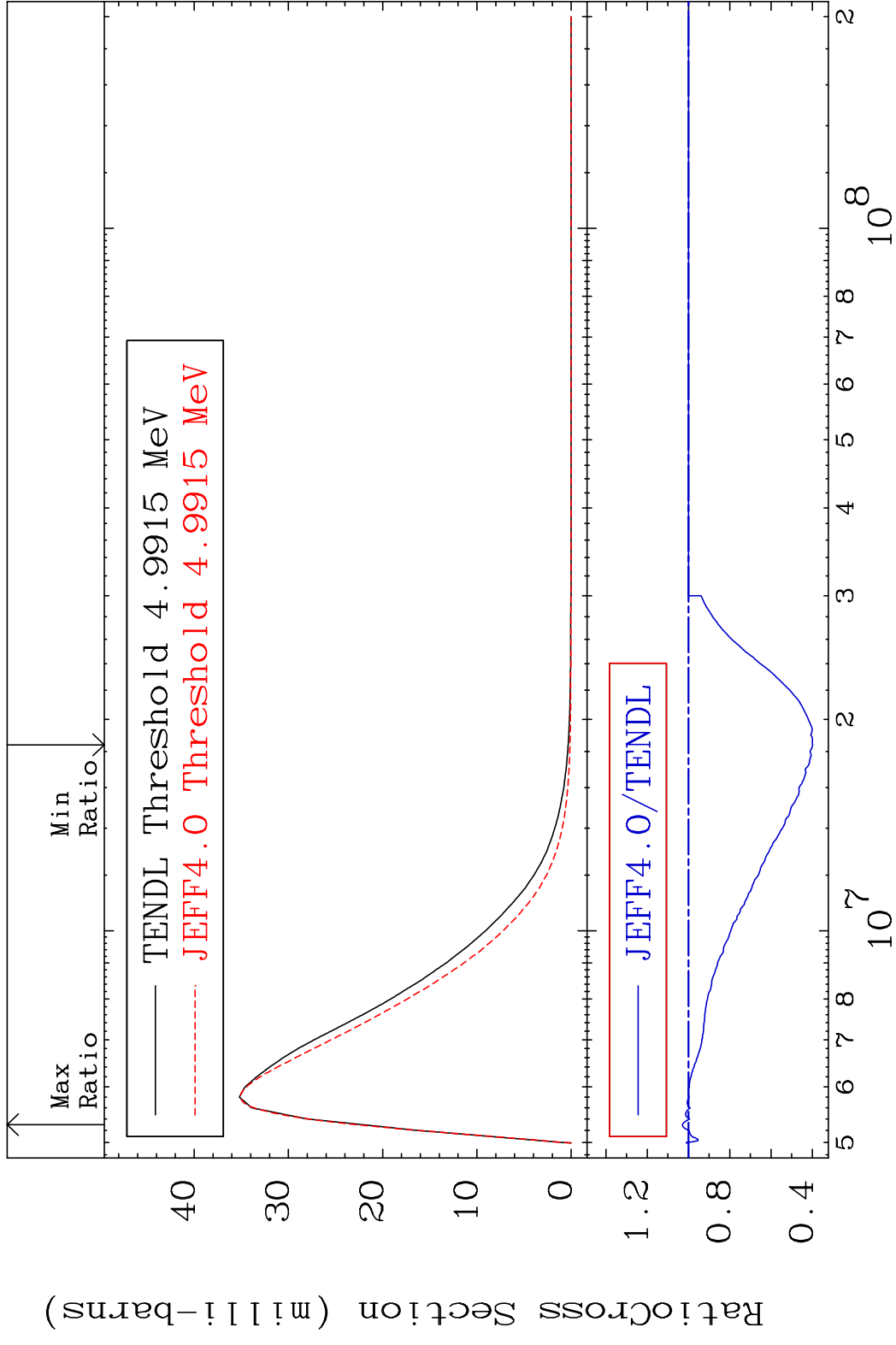
Incident Energy (eV)

13-A1-27

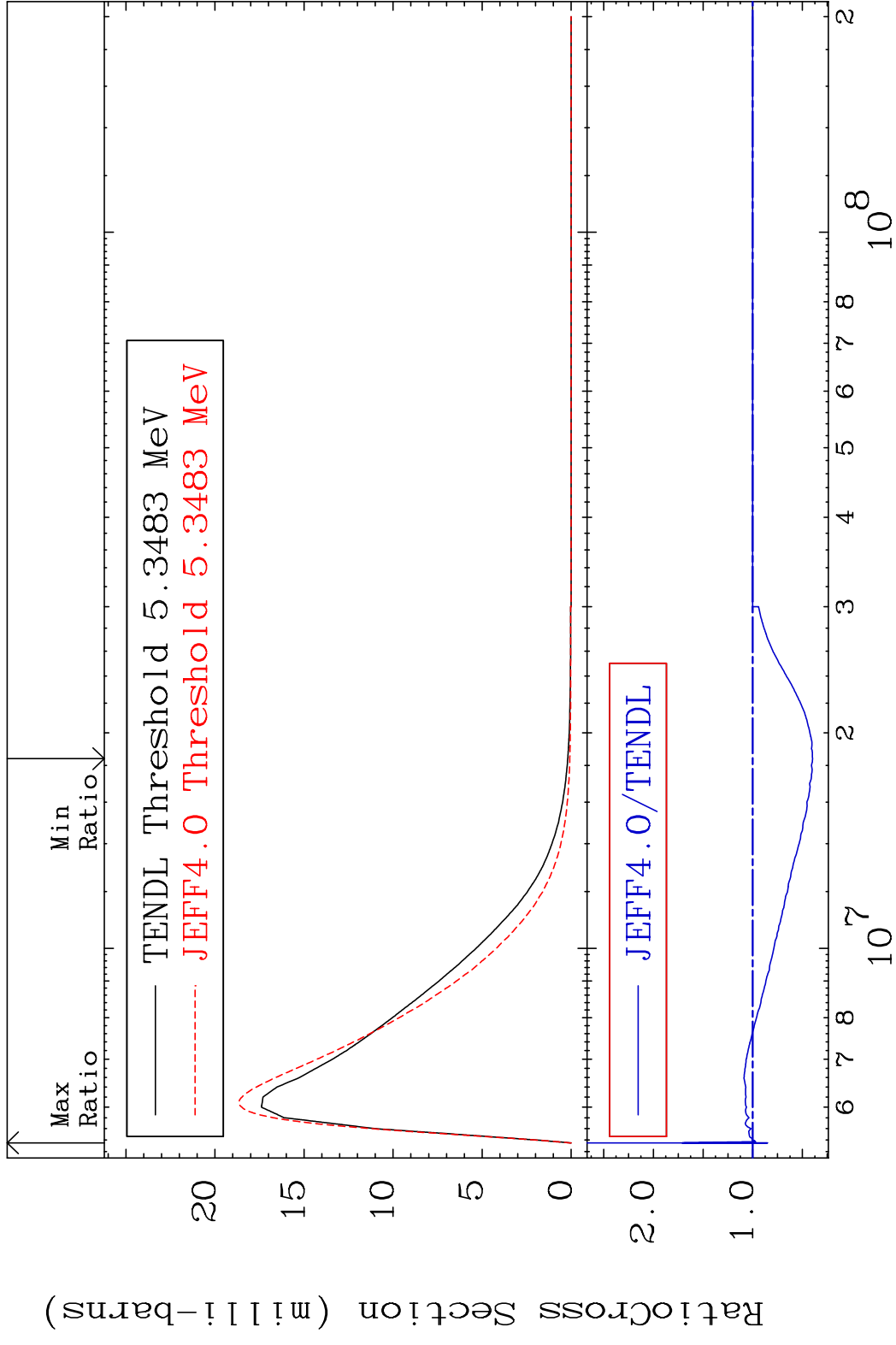
MAT 1325 MT= 62 (n, n') Level 13-Al-27  
 Cross Section -61.52 To 52.11 %



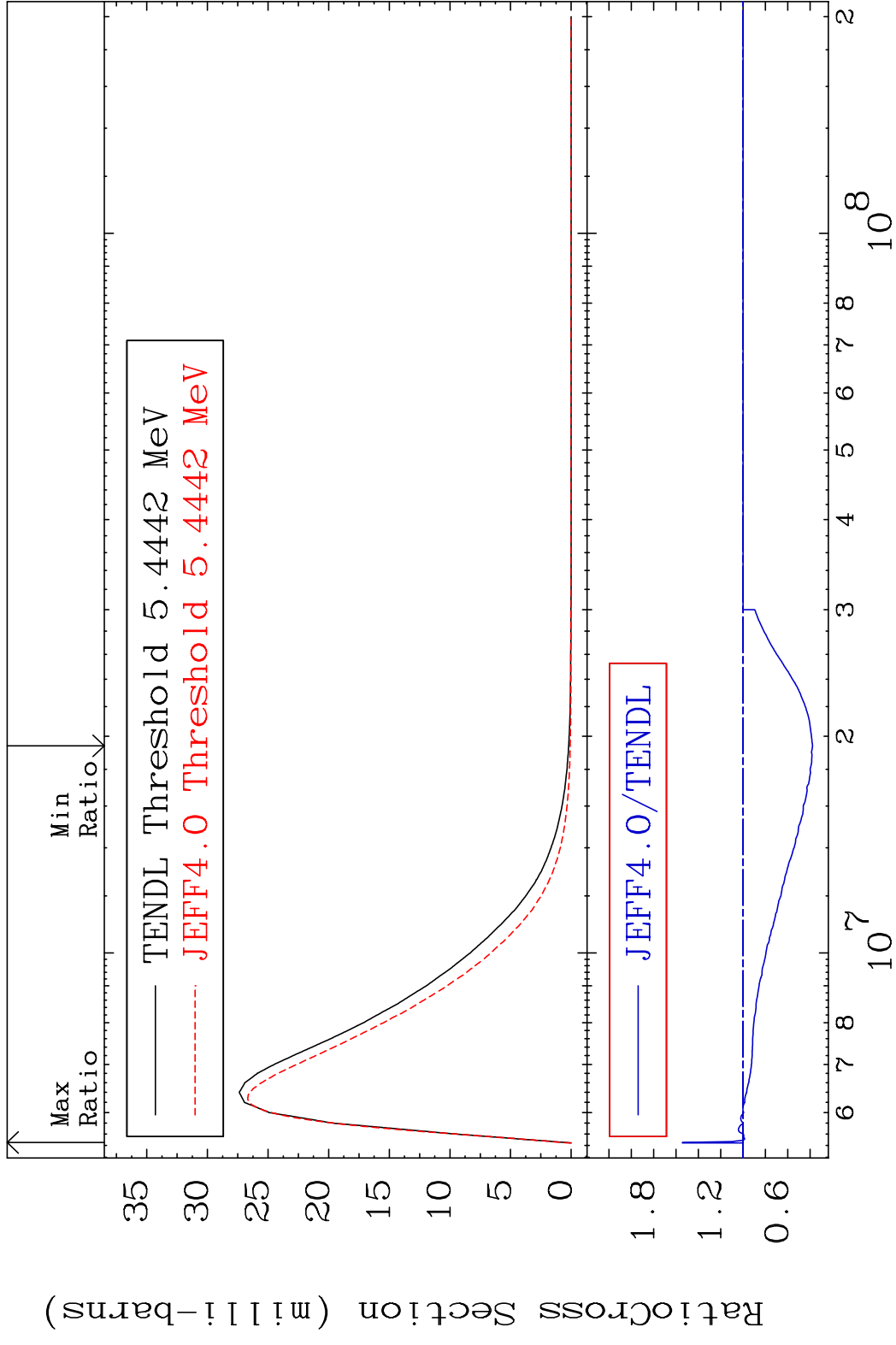
MAT 1325 MT= 63 (n, n') Level 13-A1-27  
 Cross Section -60.12 To 2.967 %



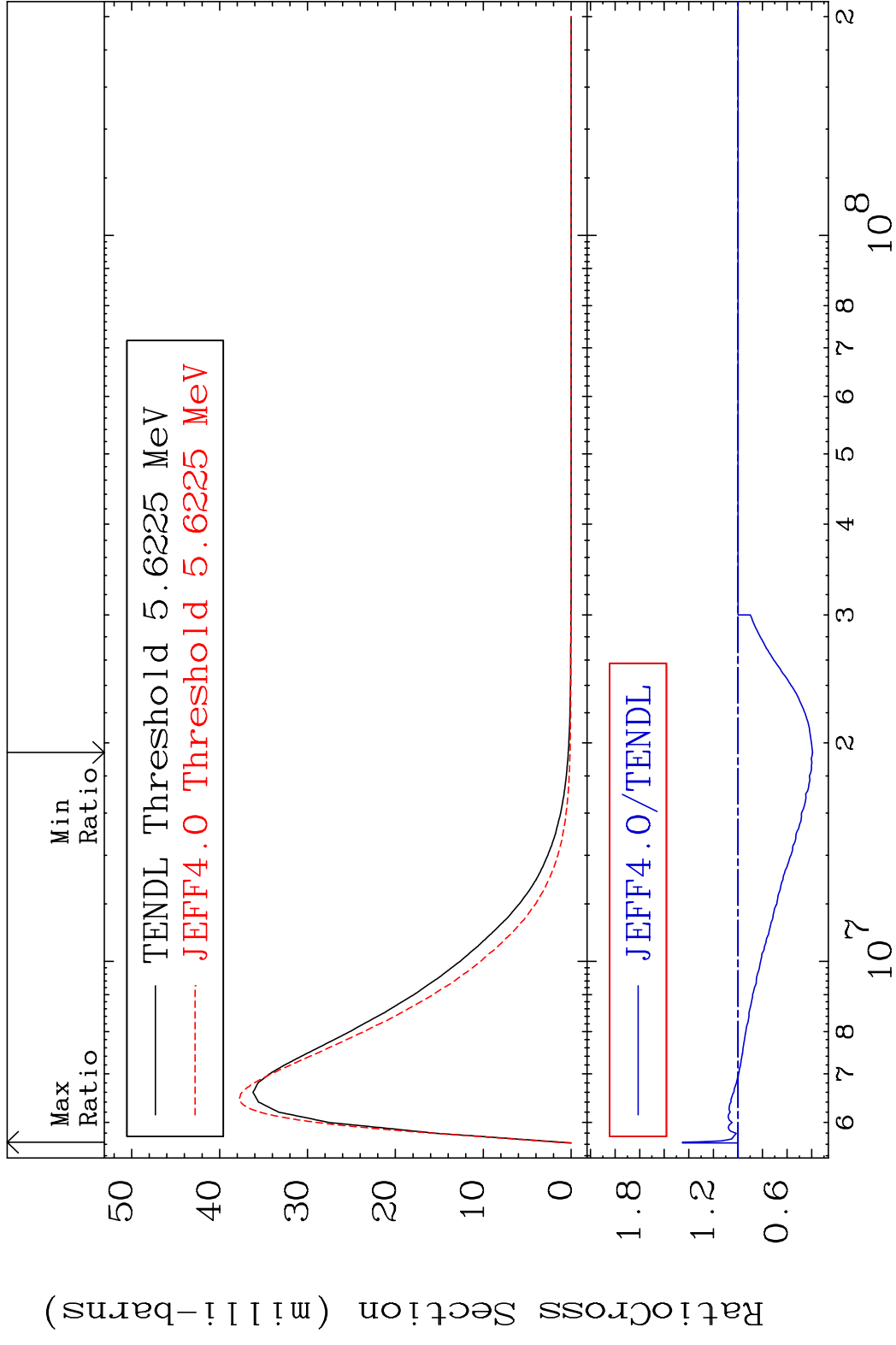
MAT 1325 MT= 64 (n, n') Level 13-A1-27  
 Cross Section -60.20 To 70.83 %



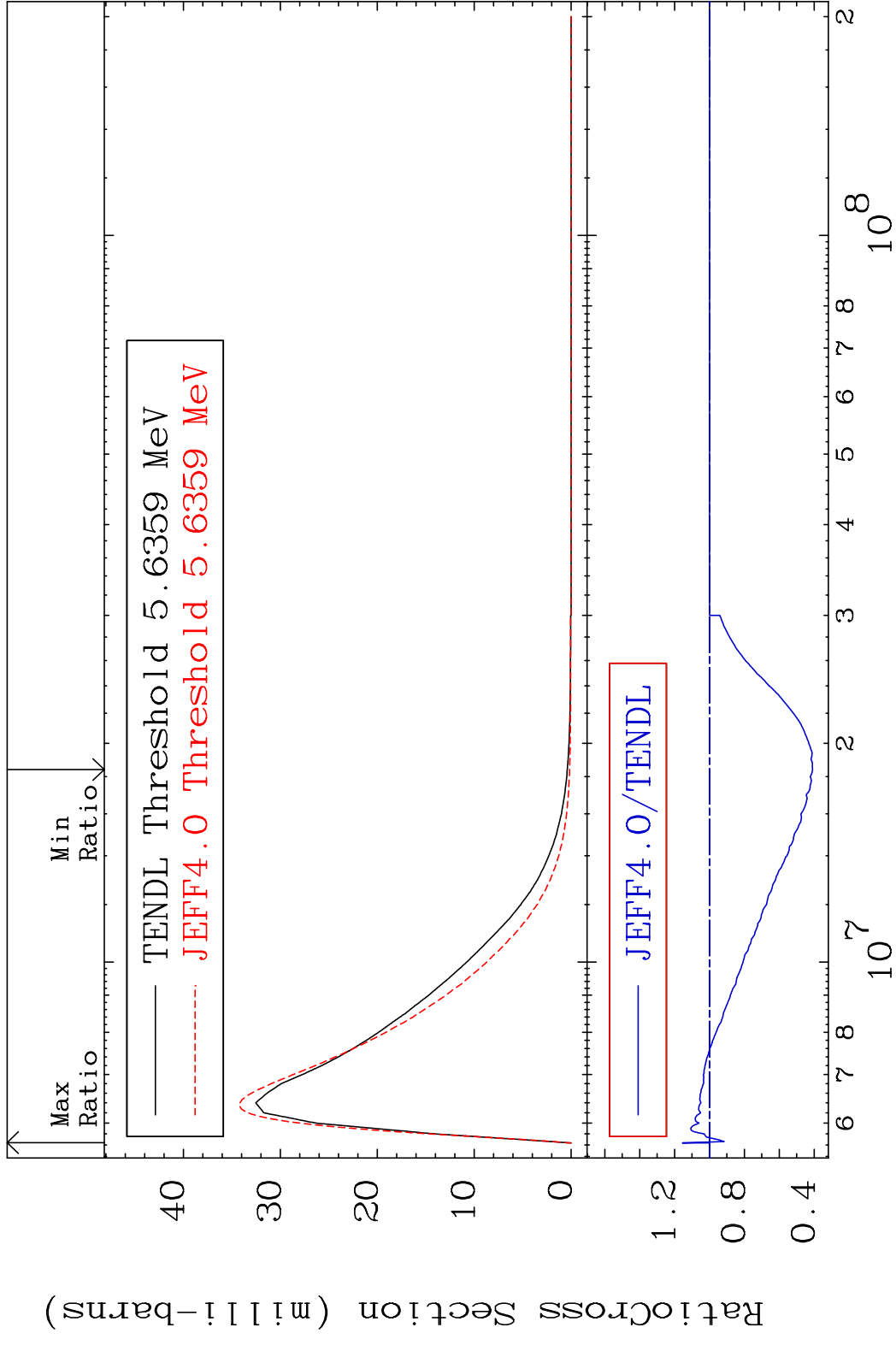
MAT 1325 MT= 65 (n, n') Level 13-A1-27  
 Cross Section -62.26 To 54.34 %



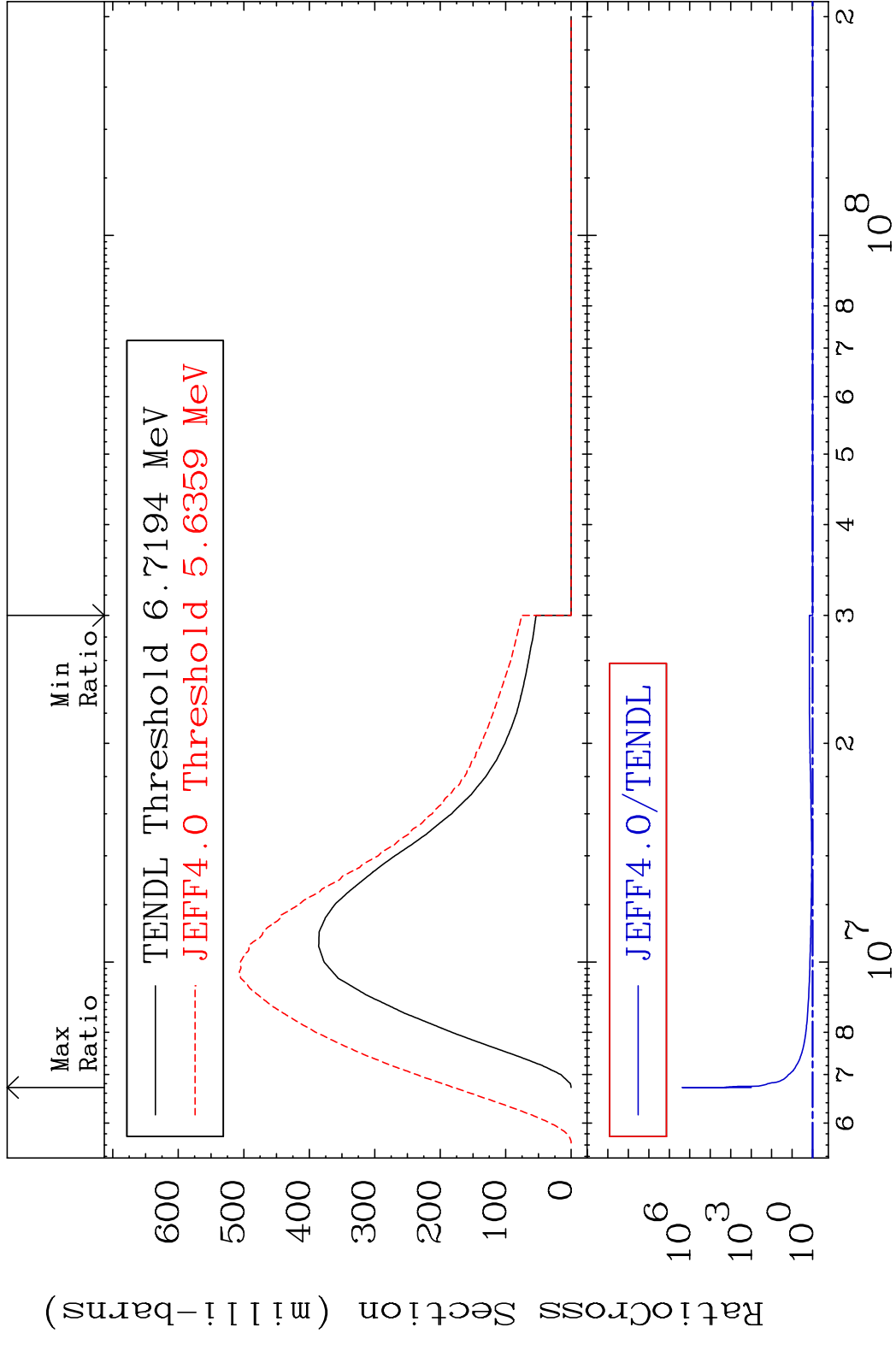
MAT 1325 MT= 66 (n,n') Level 13-A1-27  
 Cross Section -60.74 To 45.24 %



MAT 1325 MT= 67 (n, n') Level 13-A1-27  
 Cross Section -59.05 To 15.55 %



MAT 1325 (n,n') Continuum 13-Al-27  
 Cross Section 0.000 To 9999. %

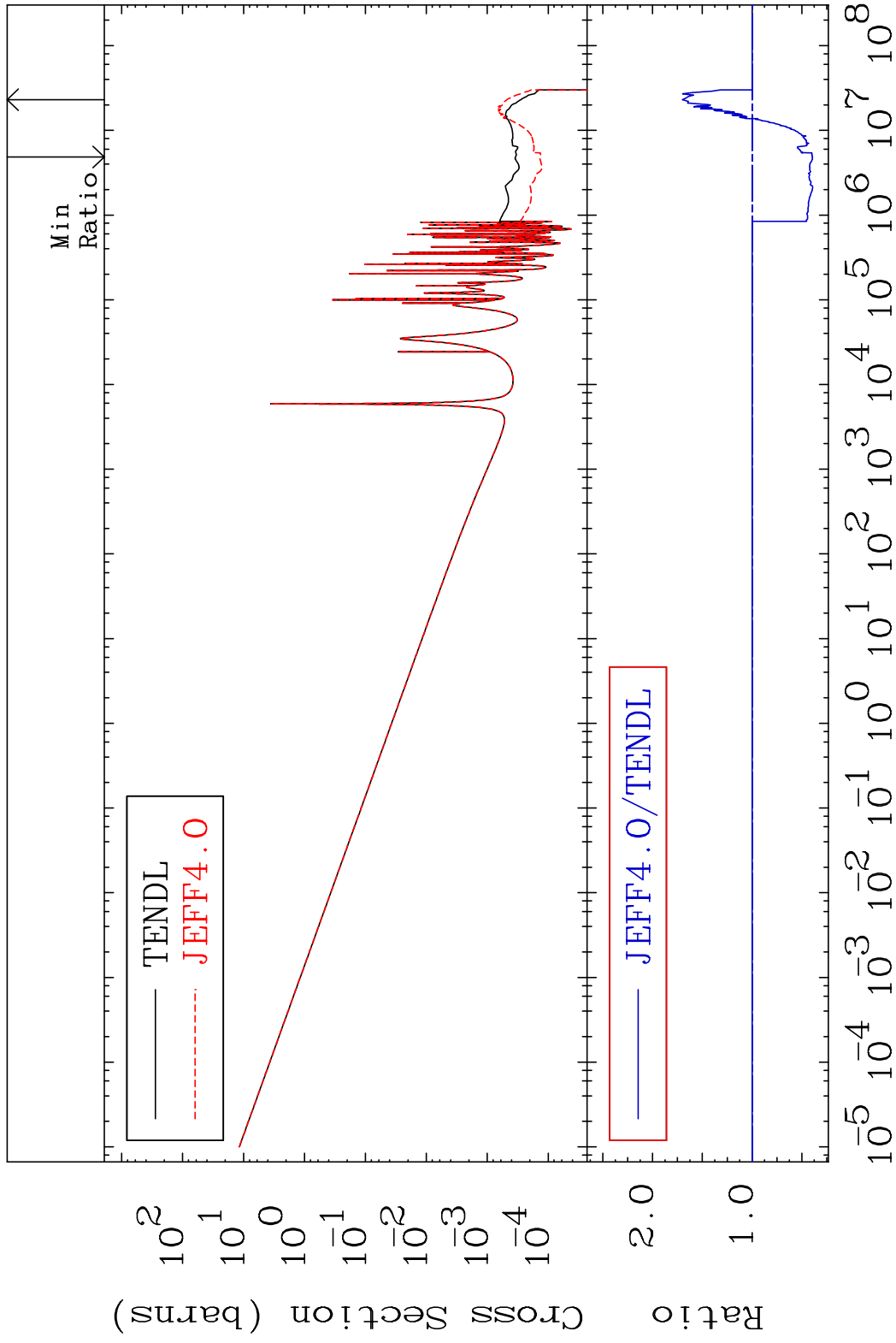


MAT 1325

(n,  $\gamma$ )

13-A1-27

Cross Section -60.76 To 70.07 %



36

Incident Energy (eV)

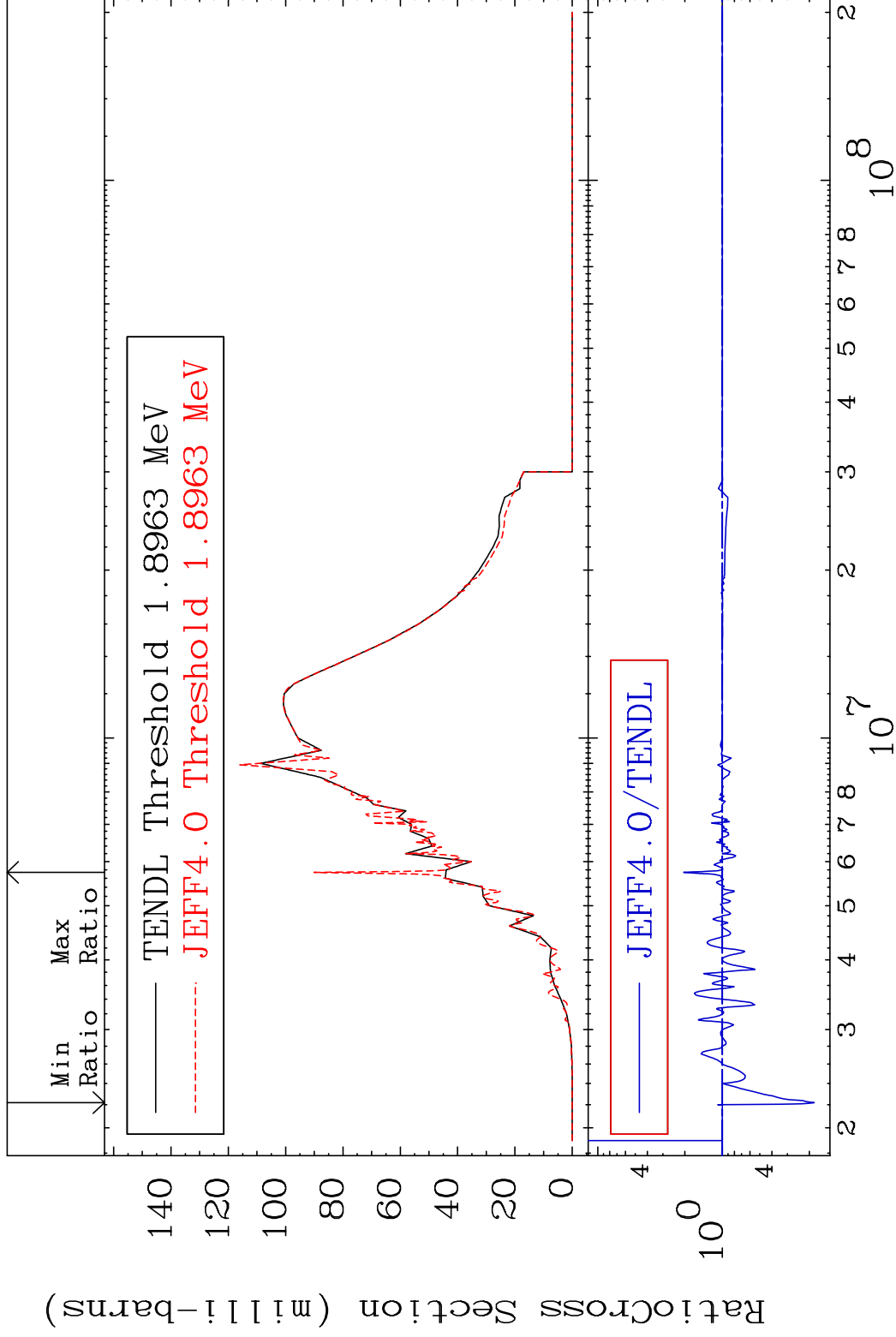
13-A1-27

MAT 1325

(n,p)

13-Al-27

Cross Section -81.67 To 104.2 %



37

Incident Energy (eV)

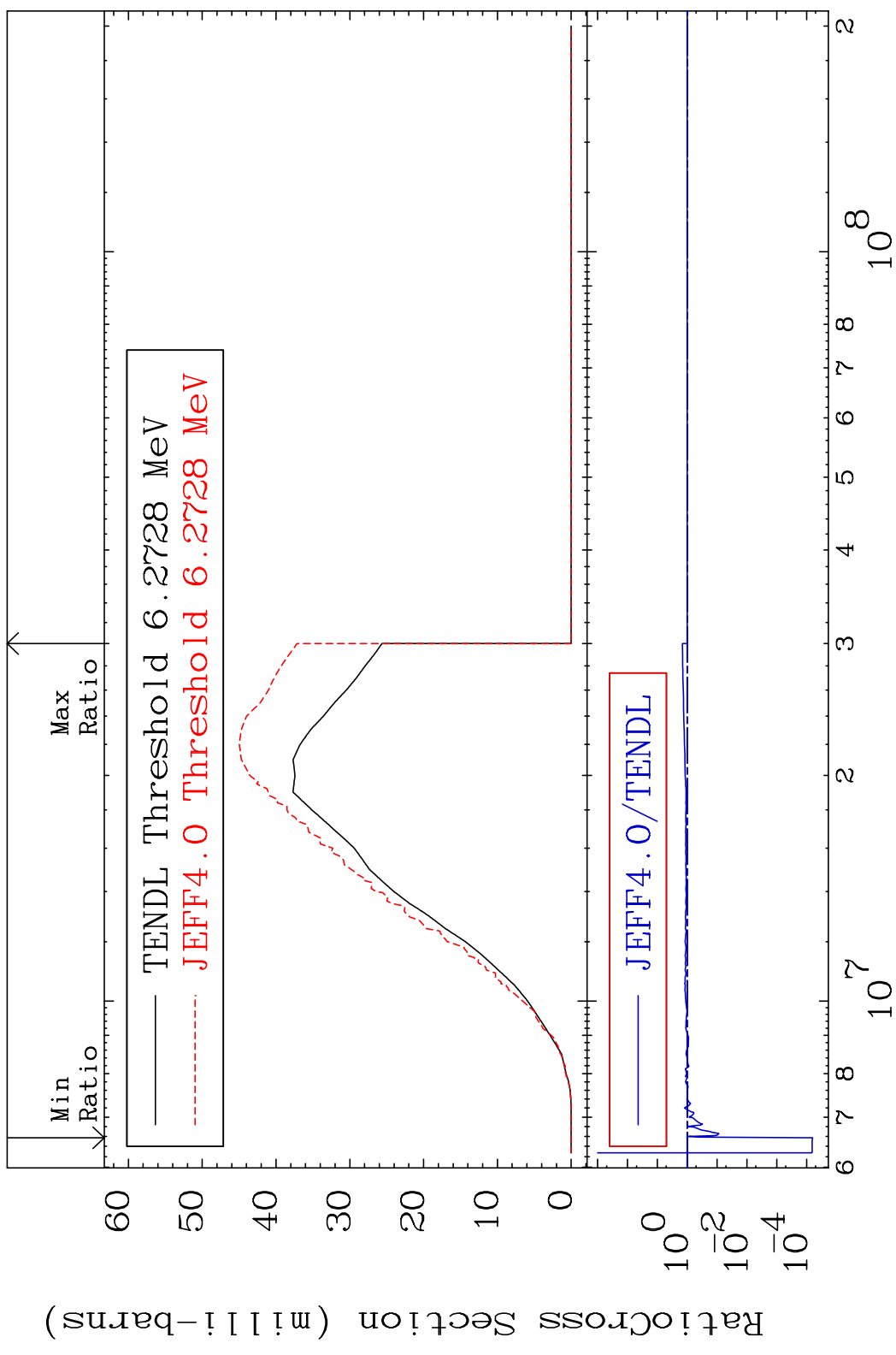
13-Al-27

MAT 1325

(n, d)

13-A1-27

Cross Section -99.99 To 44.88 %

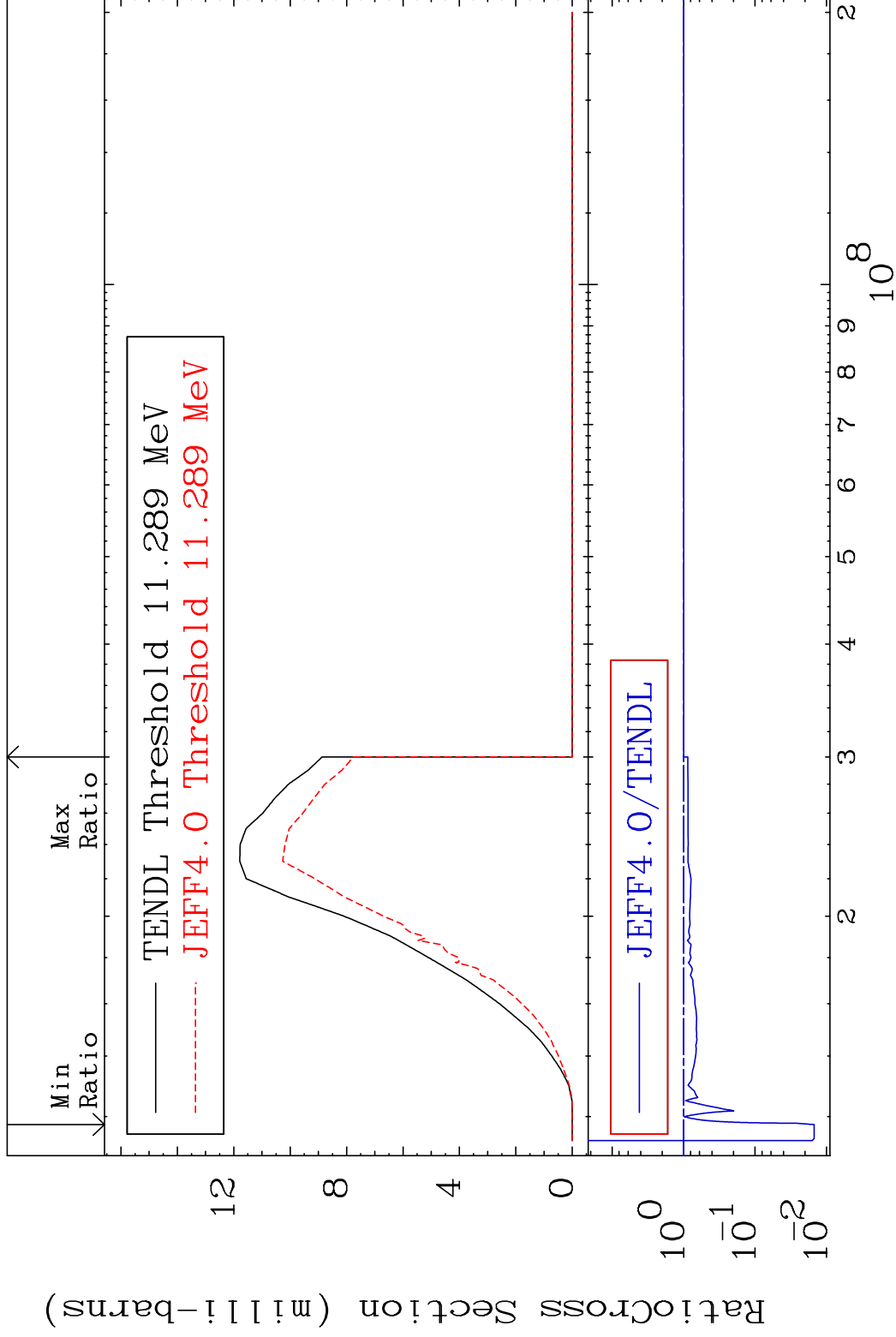


MAT 1325

(n, t)

13-A1-27

Cross Section -98.51 To 0.000 %



39

Incident Energy (eV)

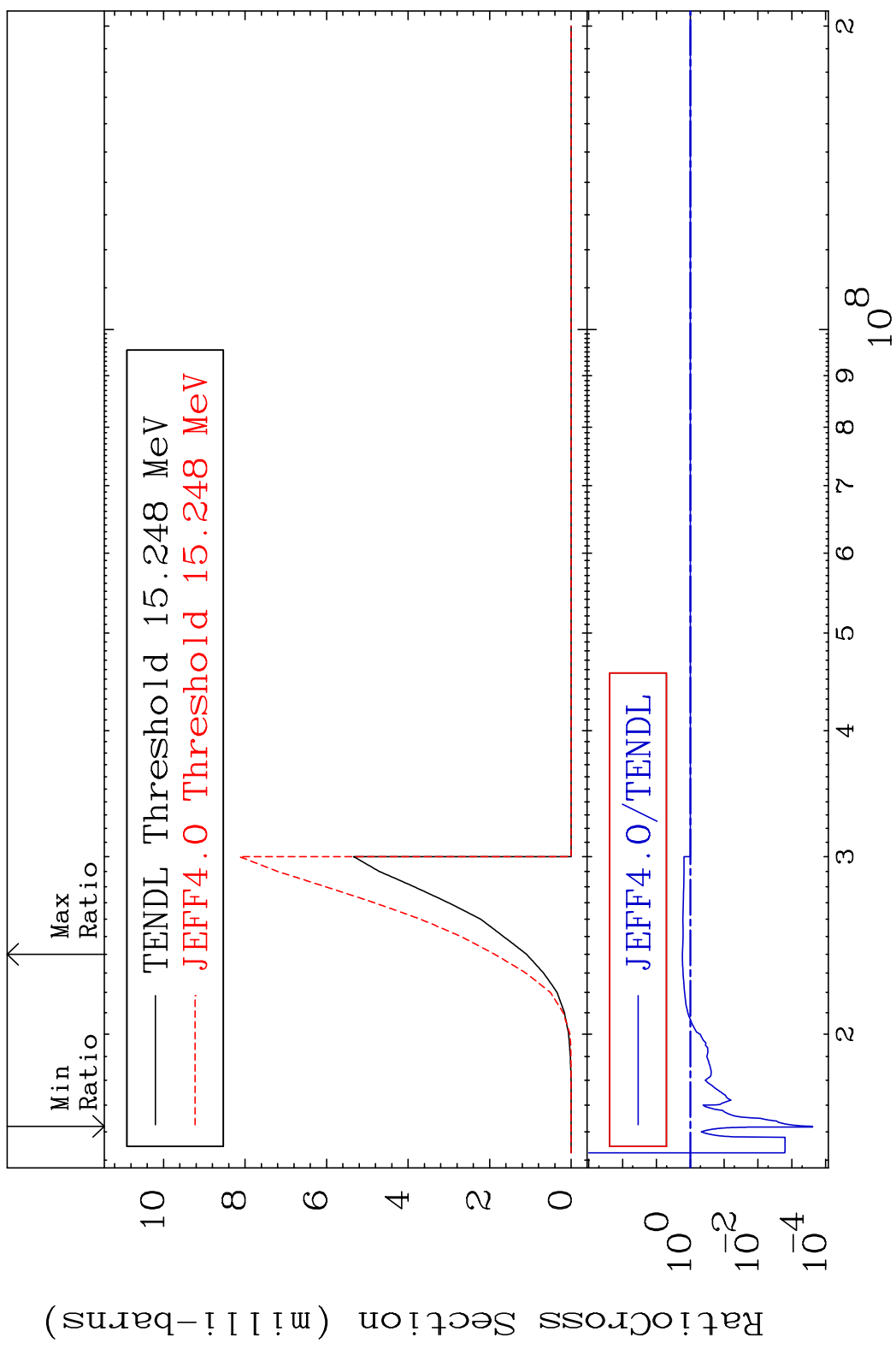
13-A1-27

MAT 1325

(n, He-3)

13-A1-27

Cross Section -99.98 To 71.46 %



40

Incident Energy (eV)

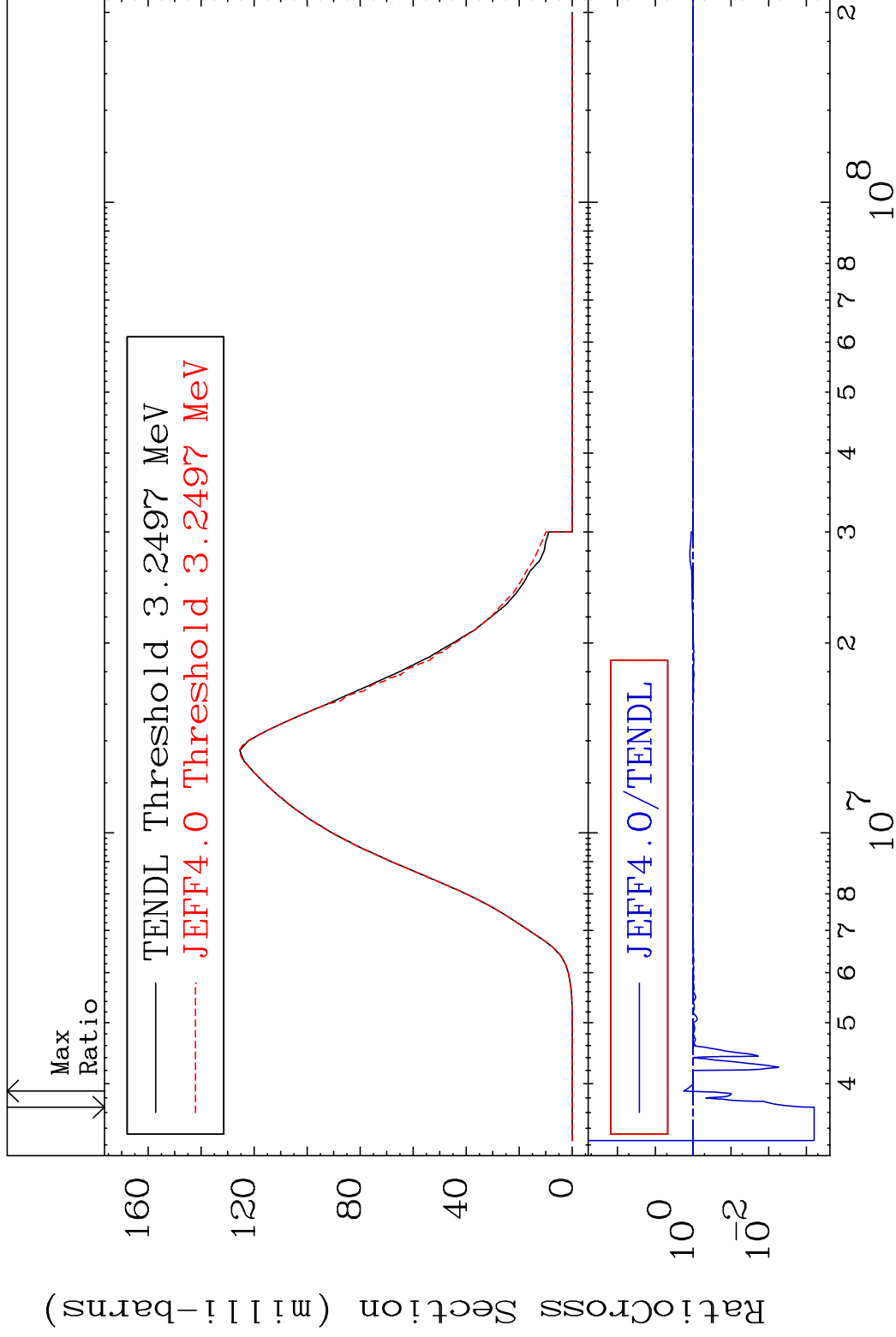
13-A1-27

MAT 1325

(n,  $\alpha$ )

13-A1-27

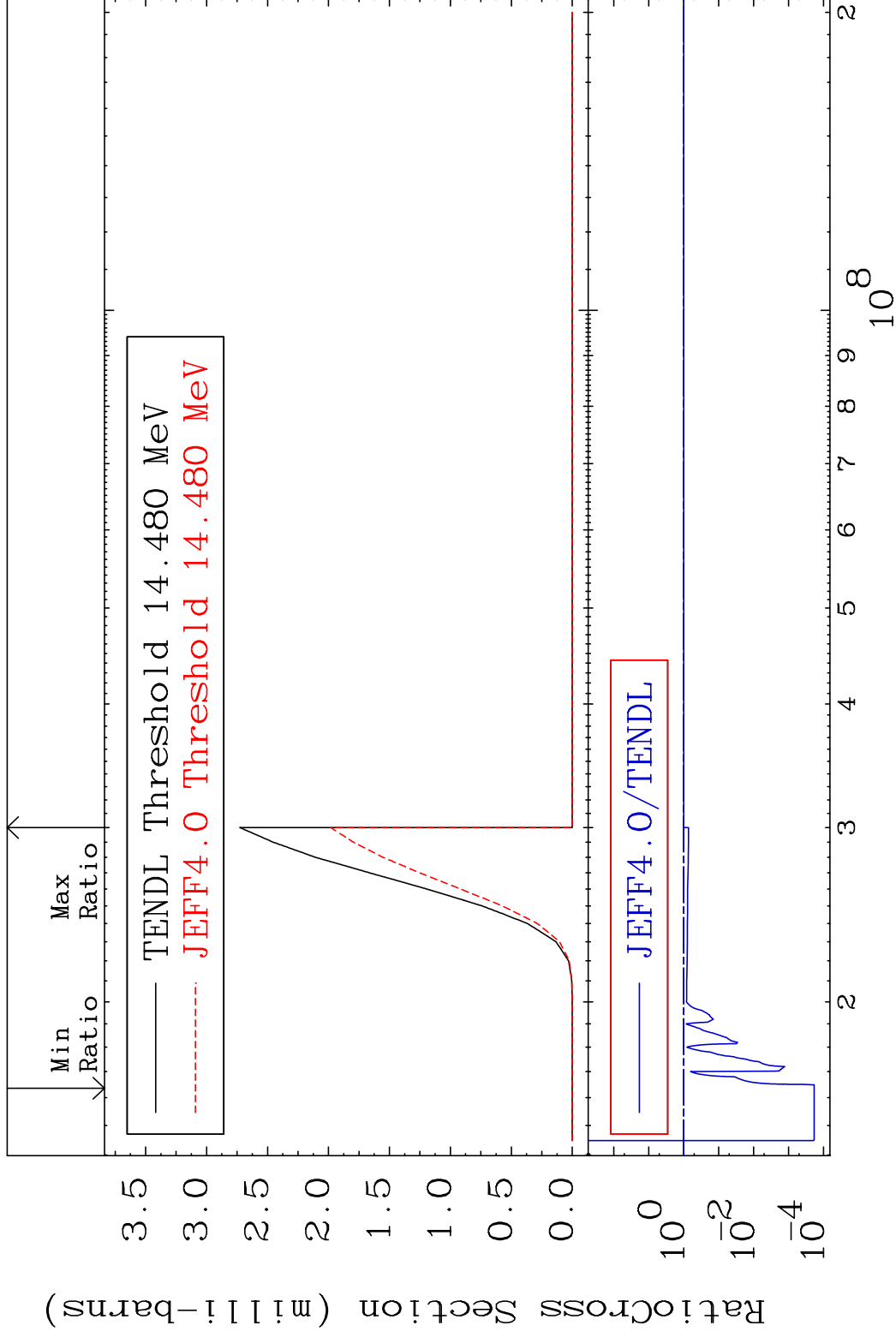
Cross Section -99.94 To 77.80 %



41

Incident Energy (eV)

13-A1-27

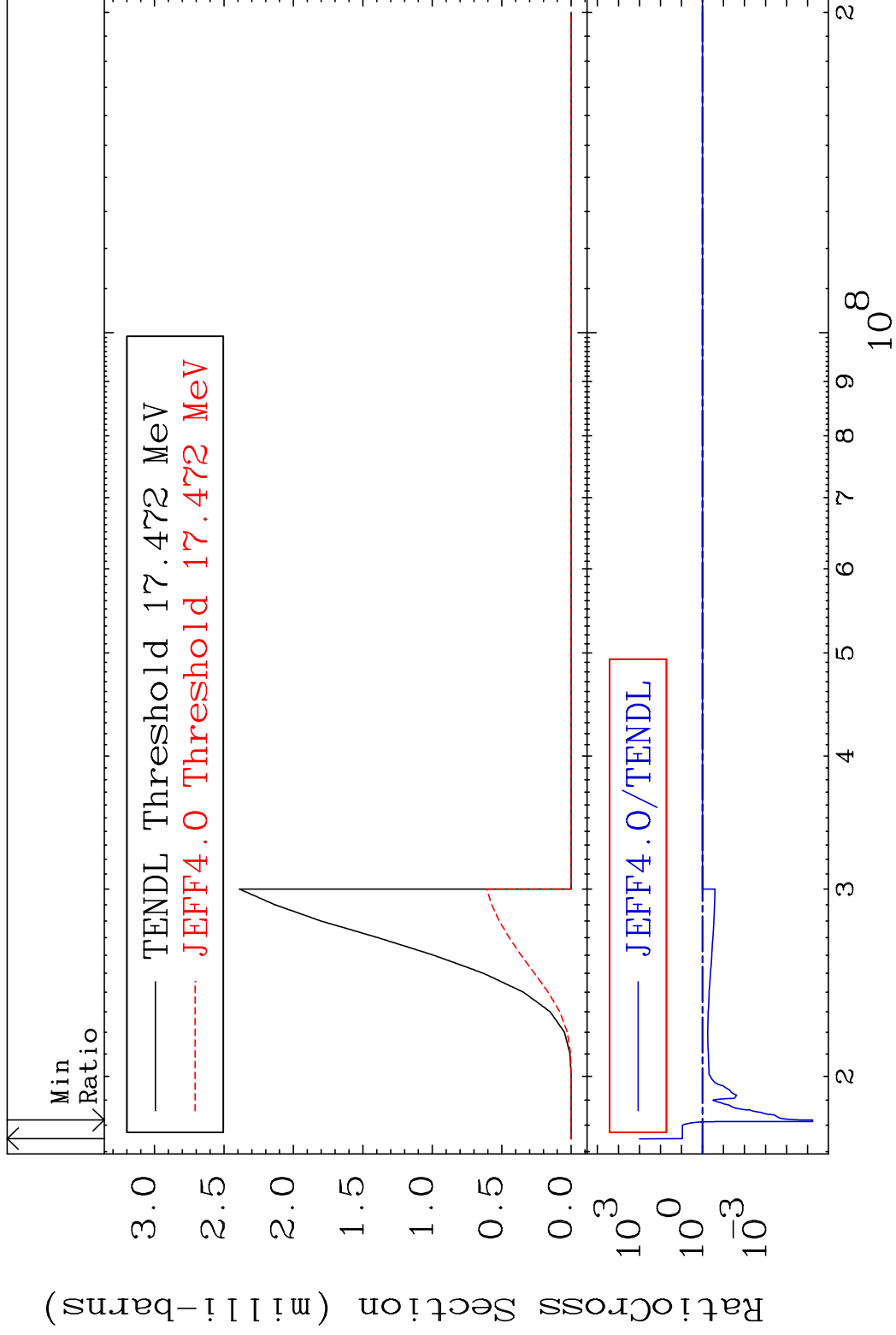


MAT 1325

(n,2p)

13-A1-27

Cross Section -100.0 To 809.3 %

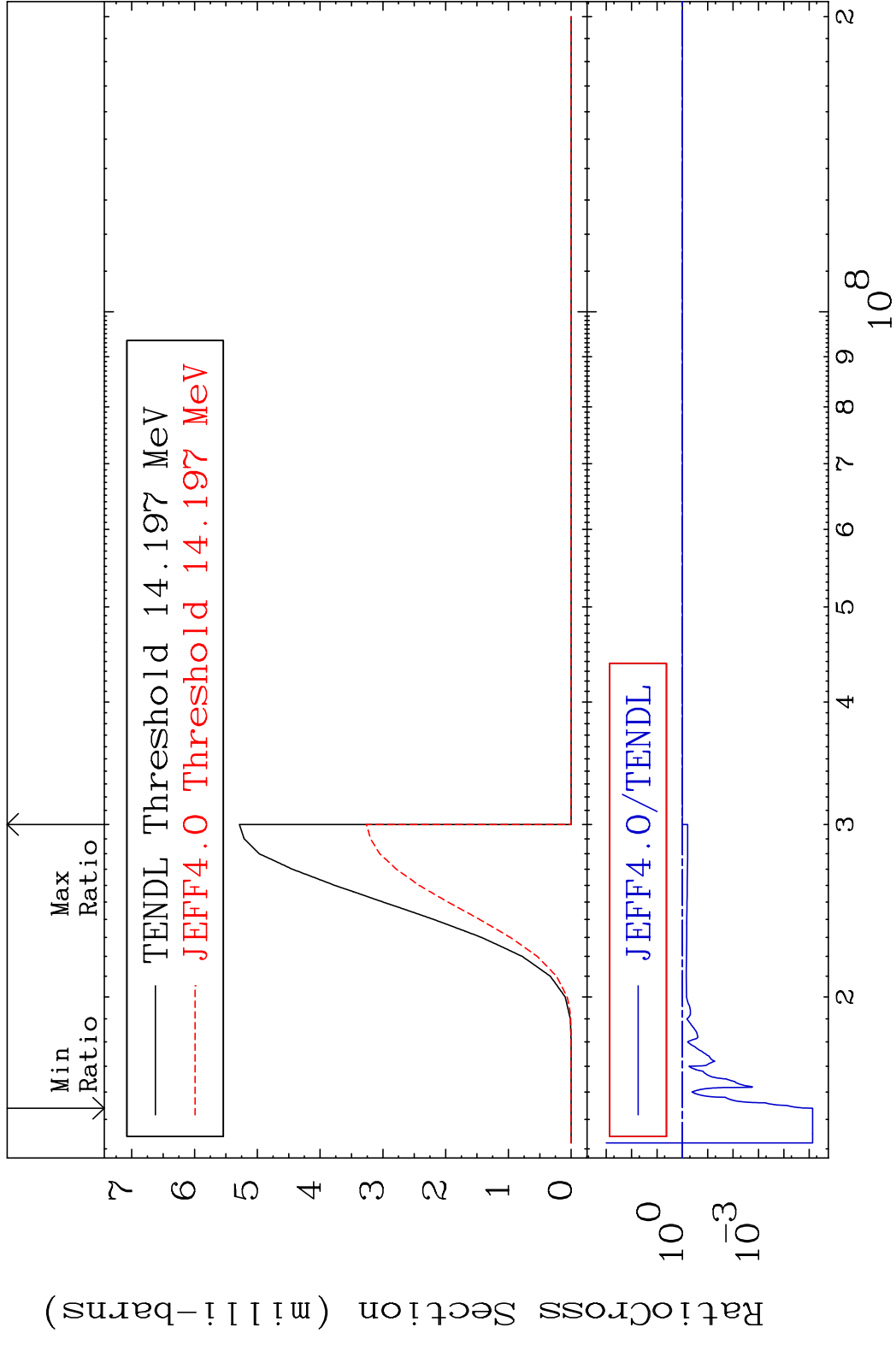


43

Incident Energy (eV)

13-A1-27

MAT 1325 (n,p)  $\alpha$  13-Al-27  
 Cross Section -100.0 To 0.000 %

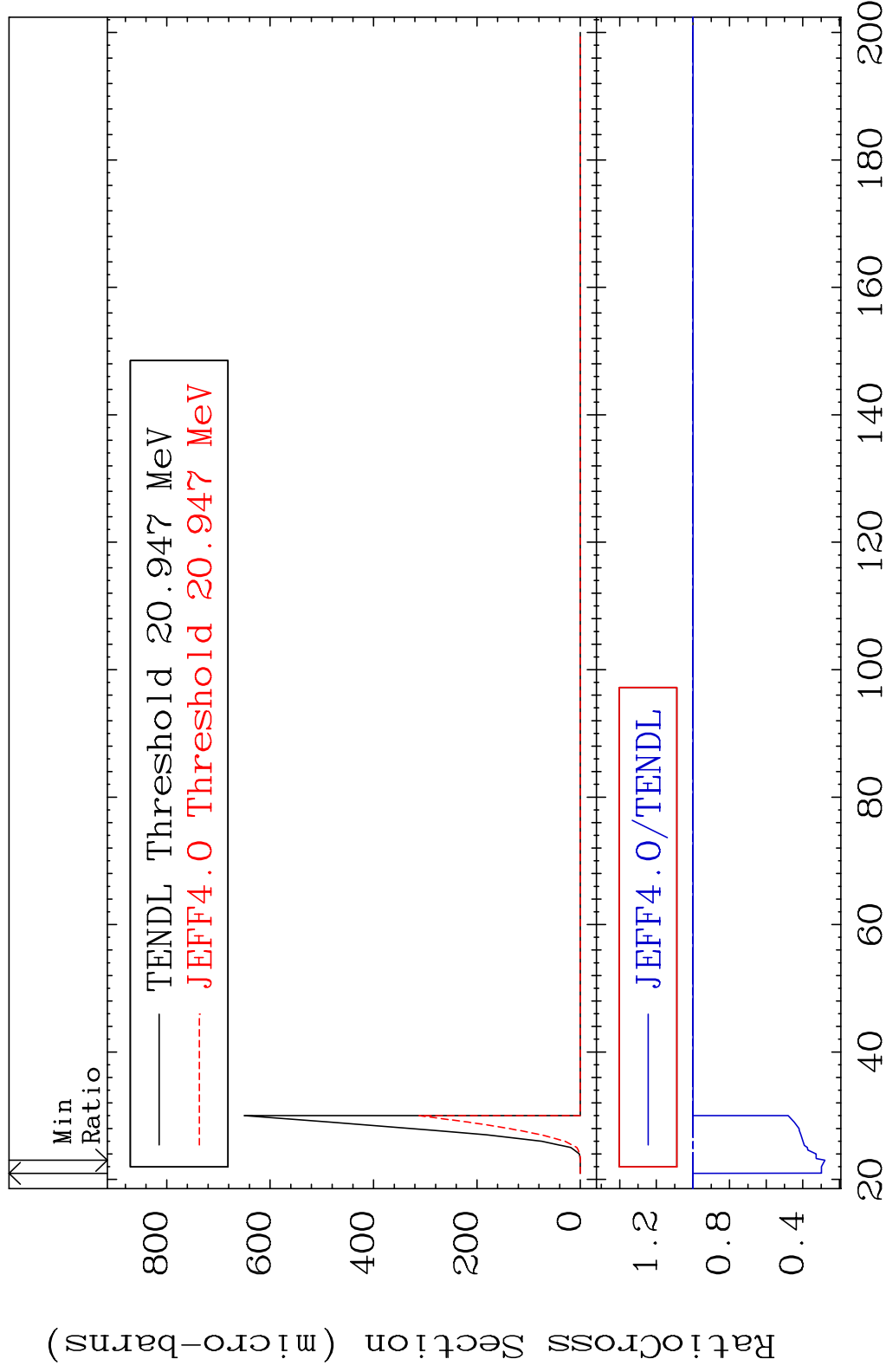


MAT 1325

(n,p) d

13-Al-27

Cross Section -72.02 To 0.000 %



45

Incident Energy (MeV)

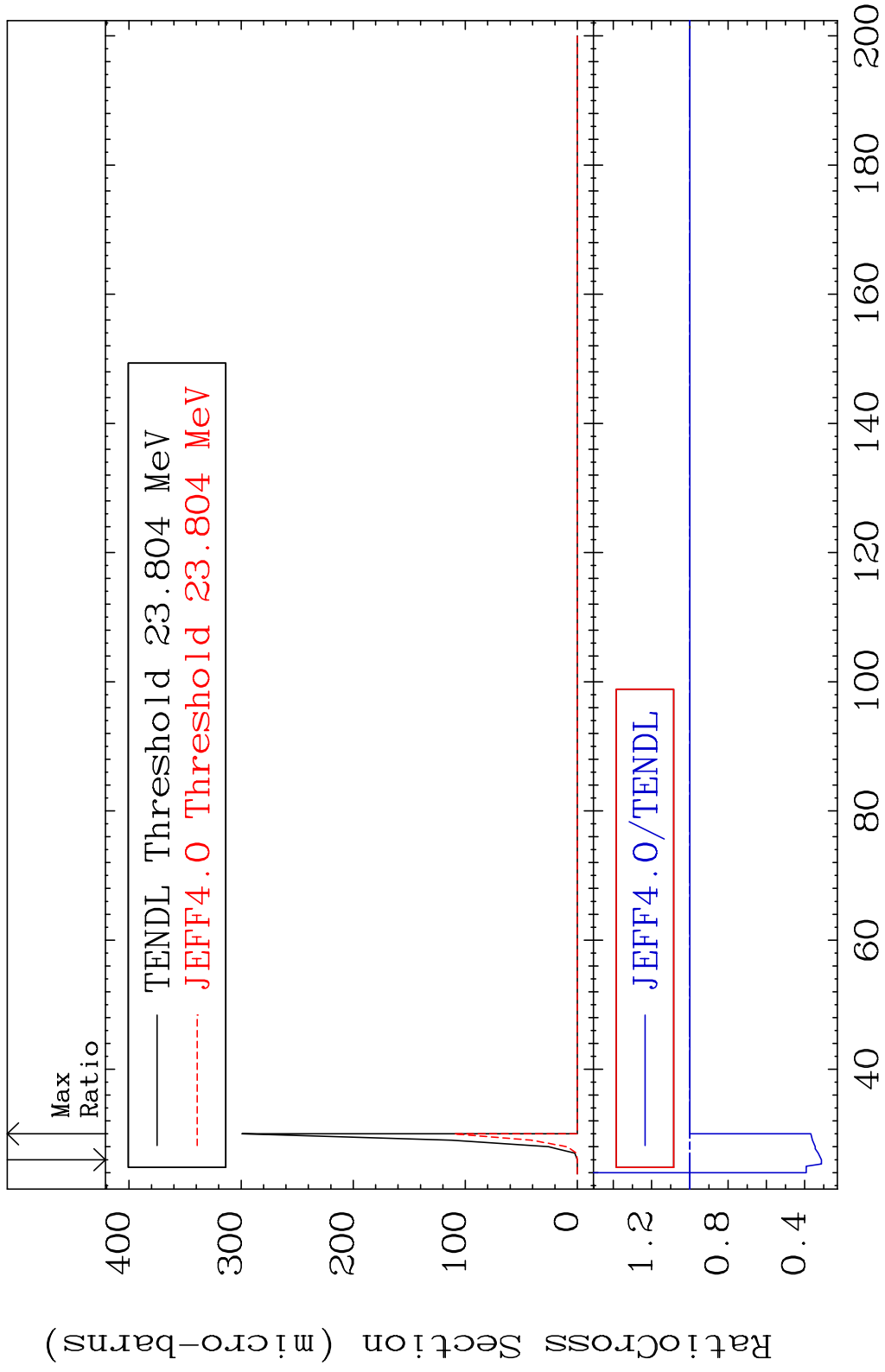
13-Al-27

MAT 1325

(n,p) t

13-Al-27

Cross Section -68.72 To 0.000 %



46

Incident Energy (MeV)

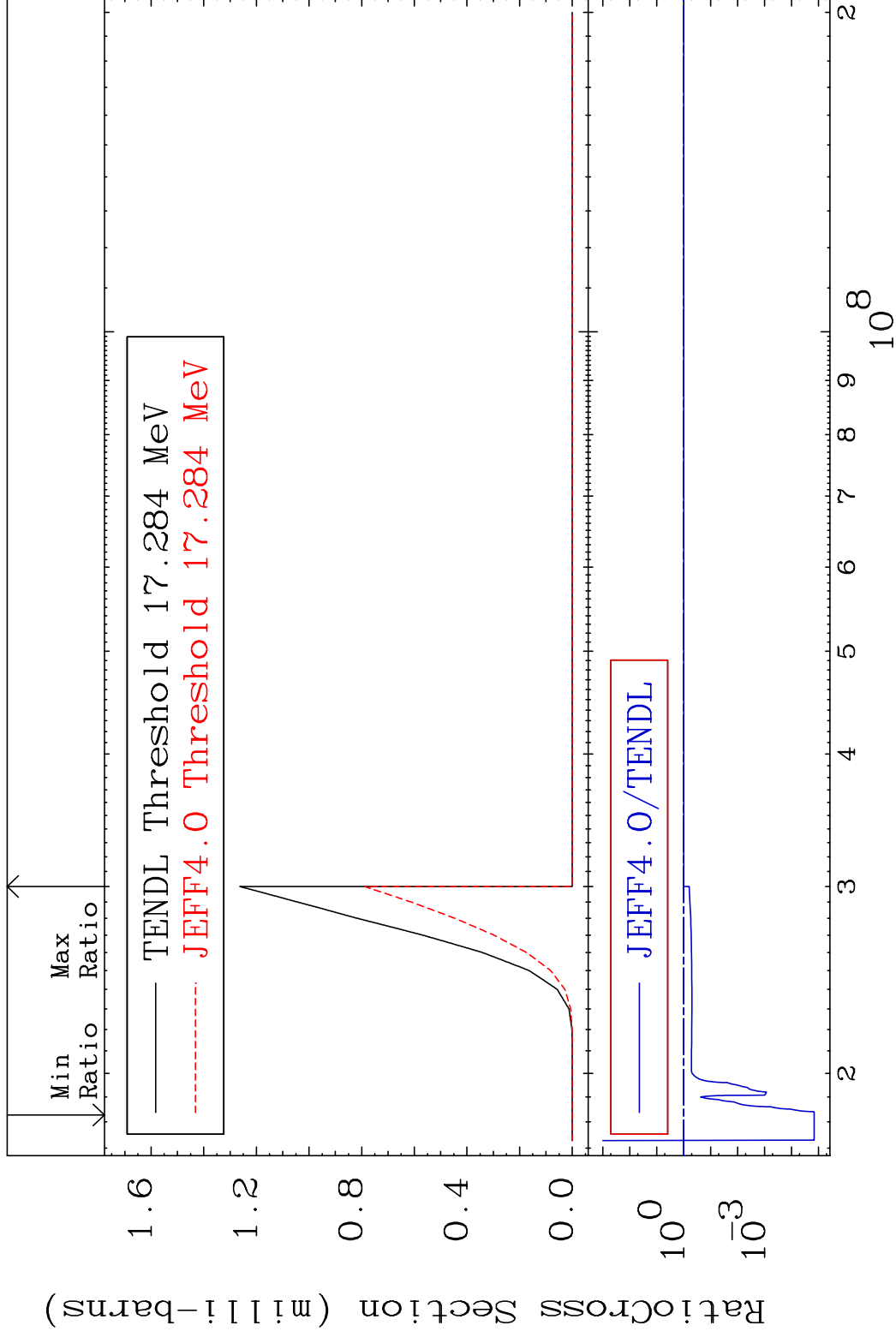
13-Al-27

MAT 1325

(n,d)  $\alpha$

13-A1-27

Cross Section -100.0 To 0.000 %

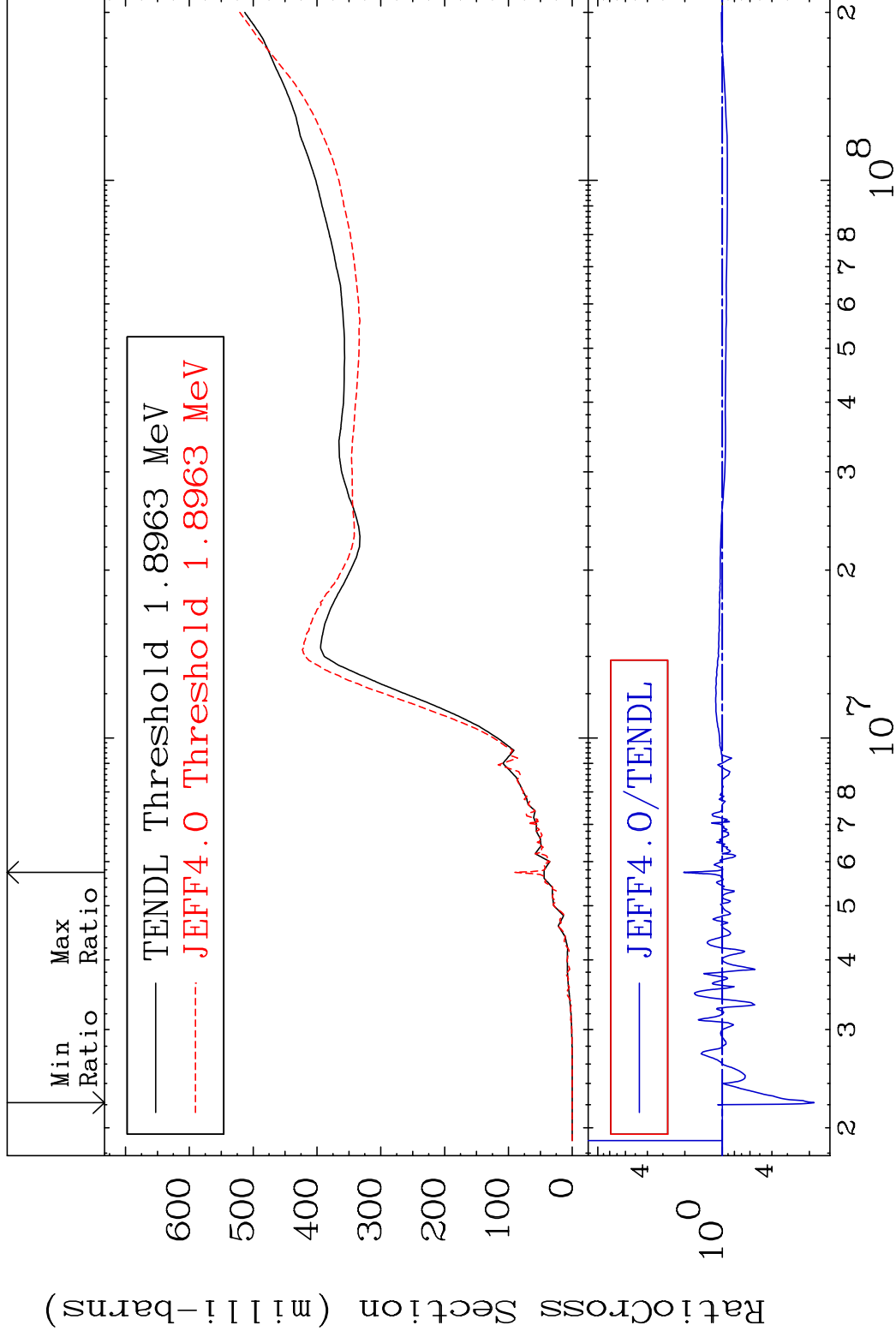


47

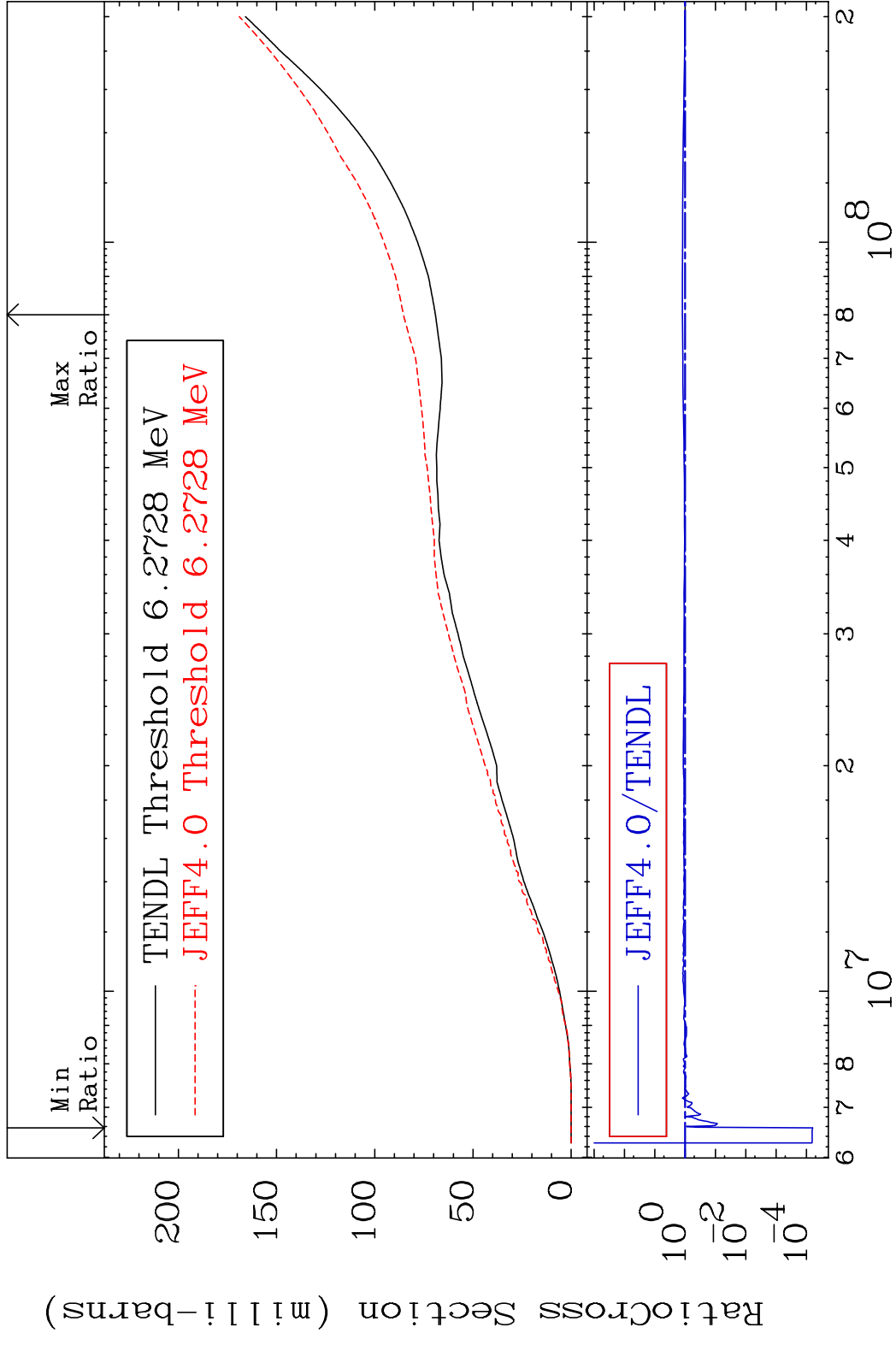
Incident Energy (eV)

13-A1-27

Cross Section -81.67 To 104.2 %



Cross Section -99.99 To 23.65 %

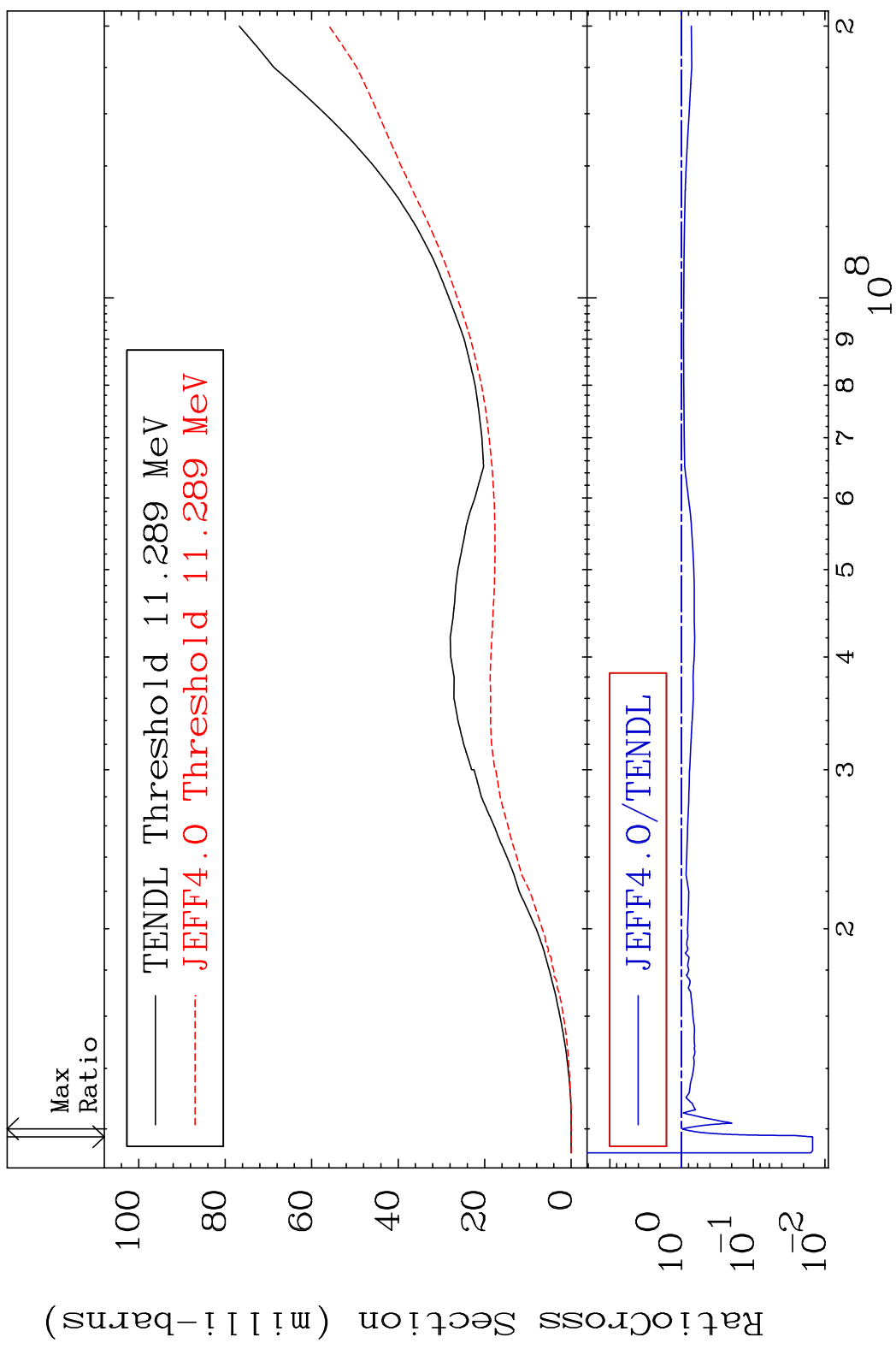


MAT 1325

Tritium Production

13-A1-27

Cross Section -98.51 To -2.598%

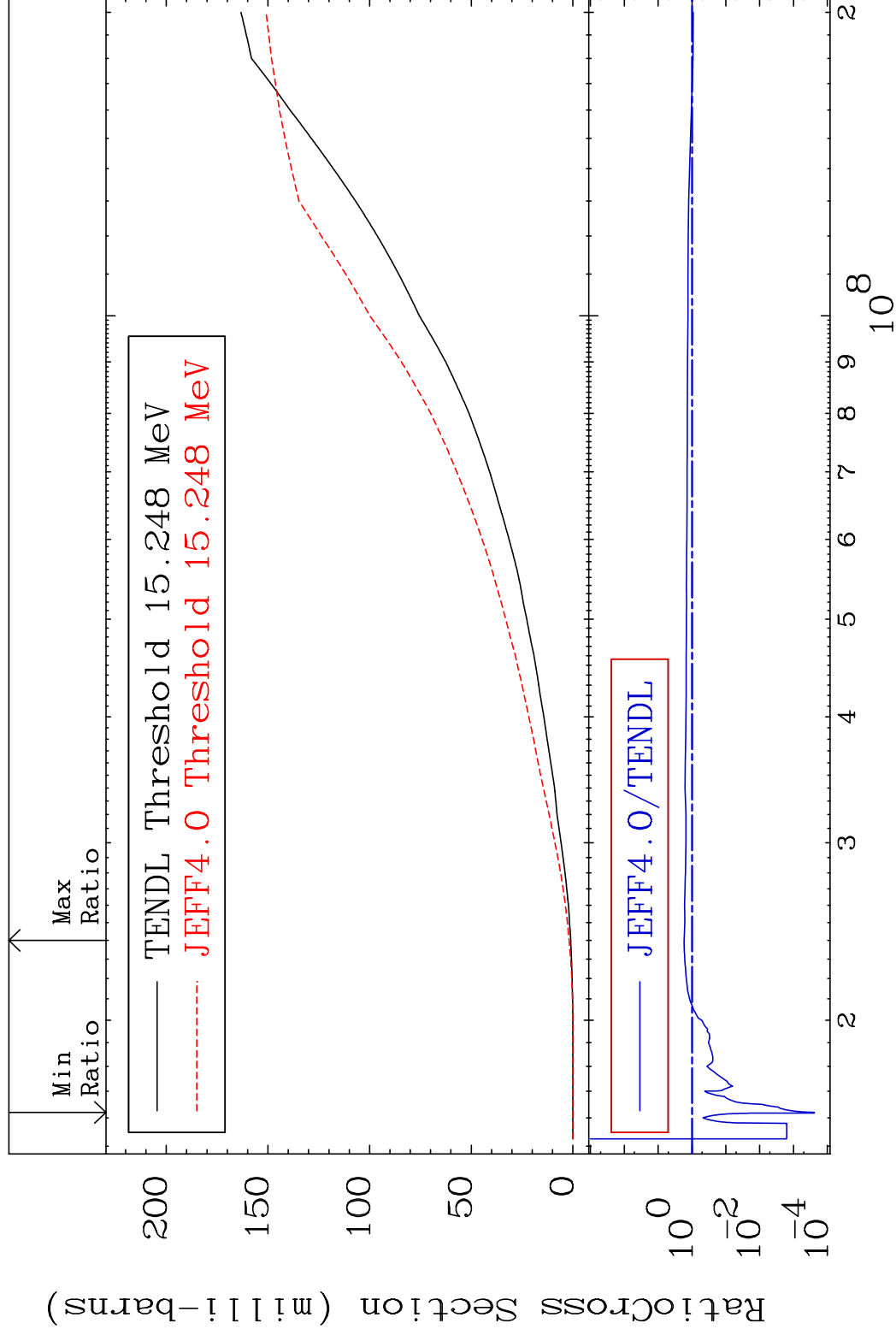


50

Incident Energy (eV)

13-A1-27

Cross Section -99.98 To 71.46 %

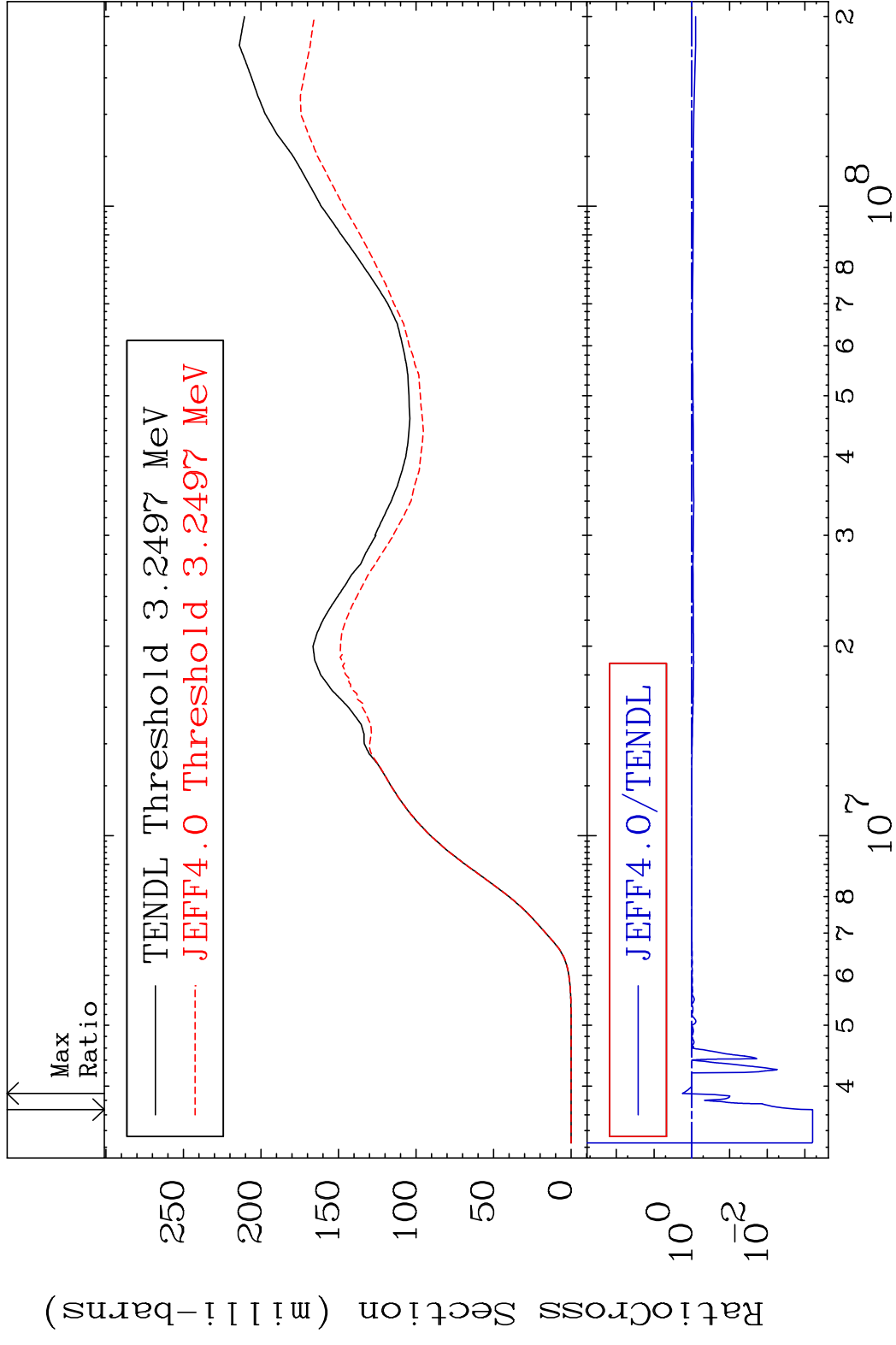


MAT 1325

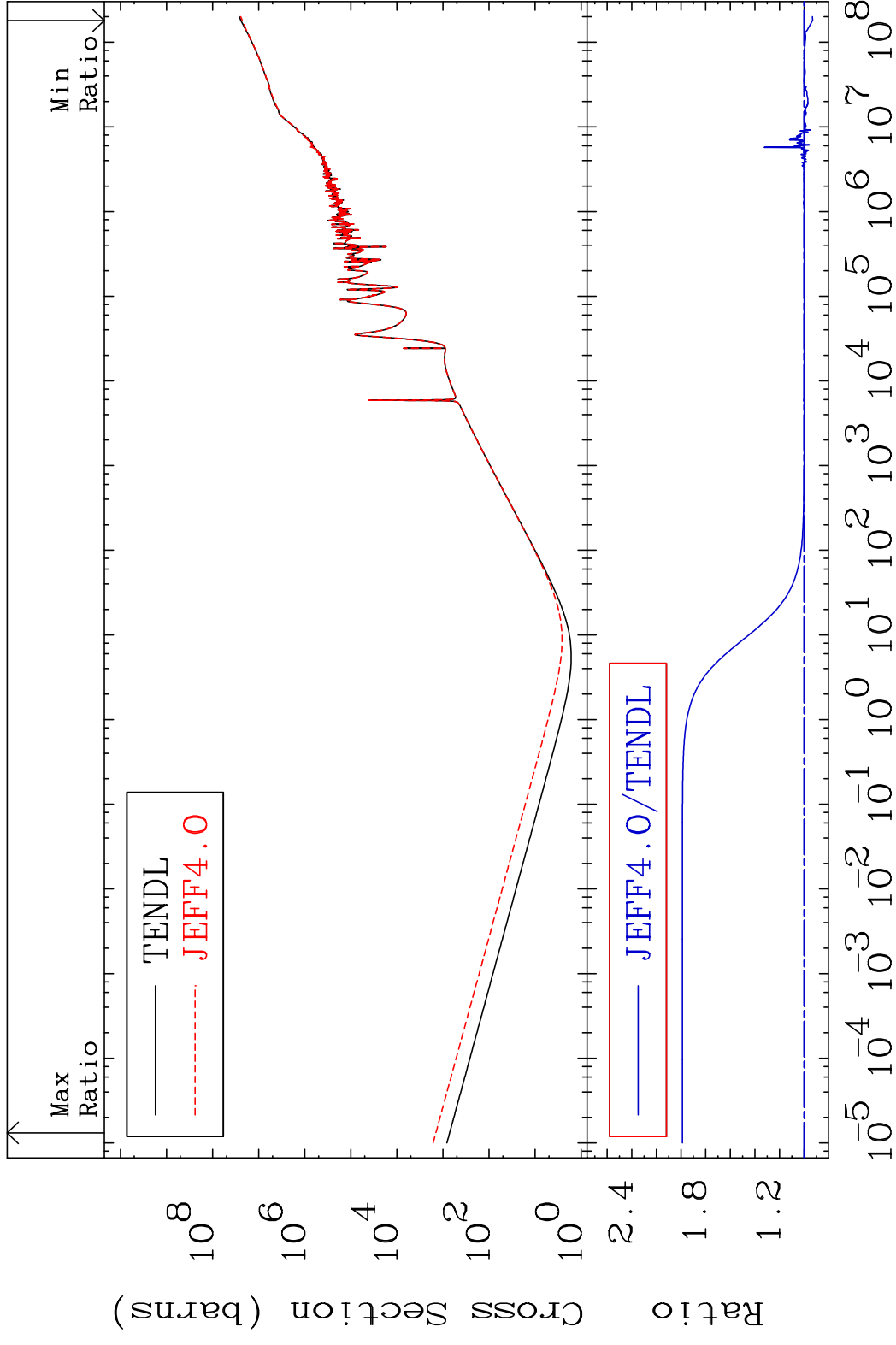
He-4 Production

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 %

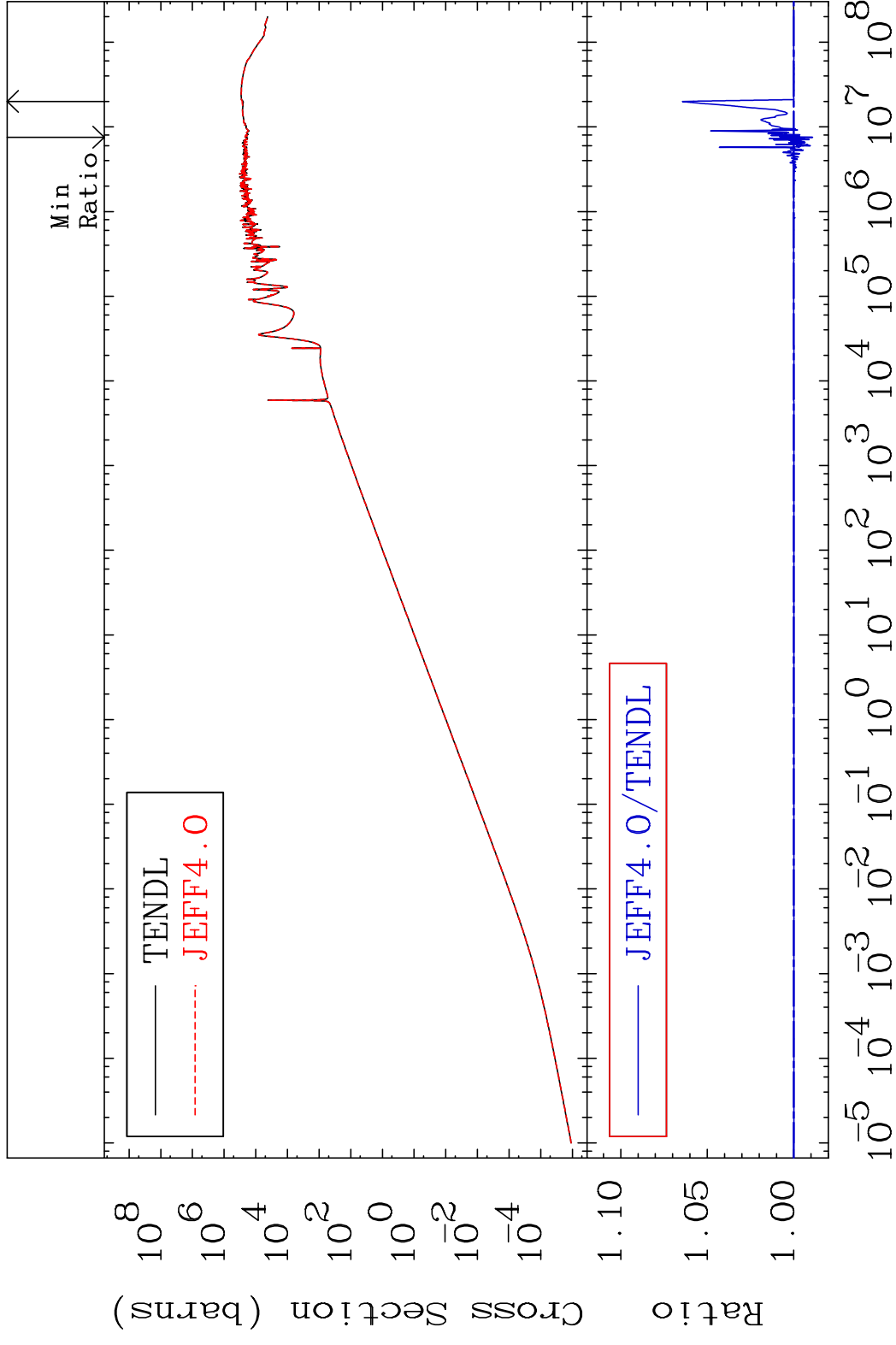


MAT 1325

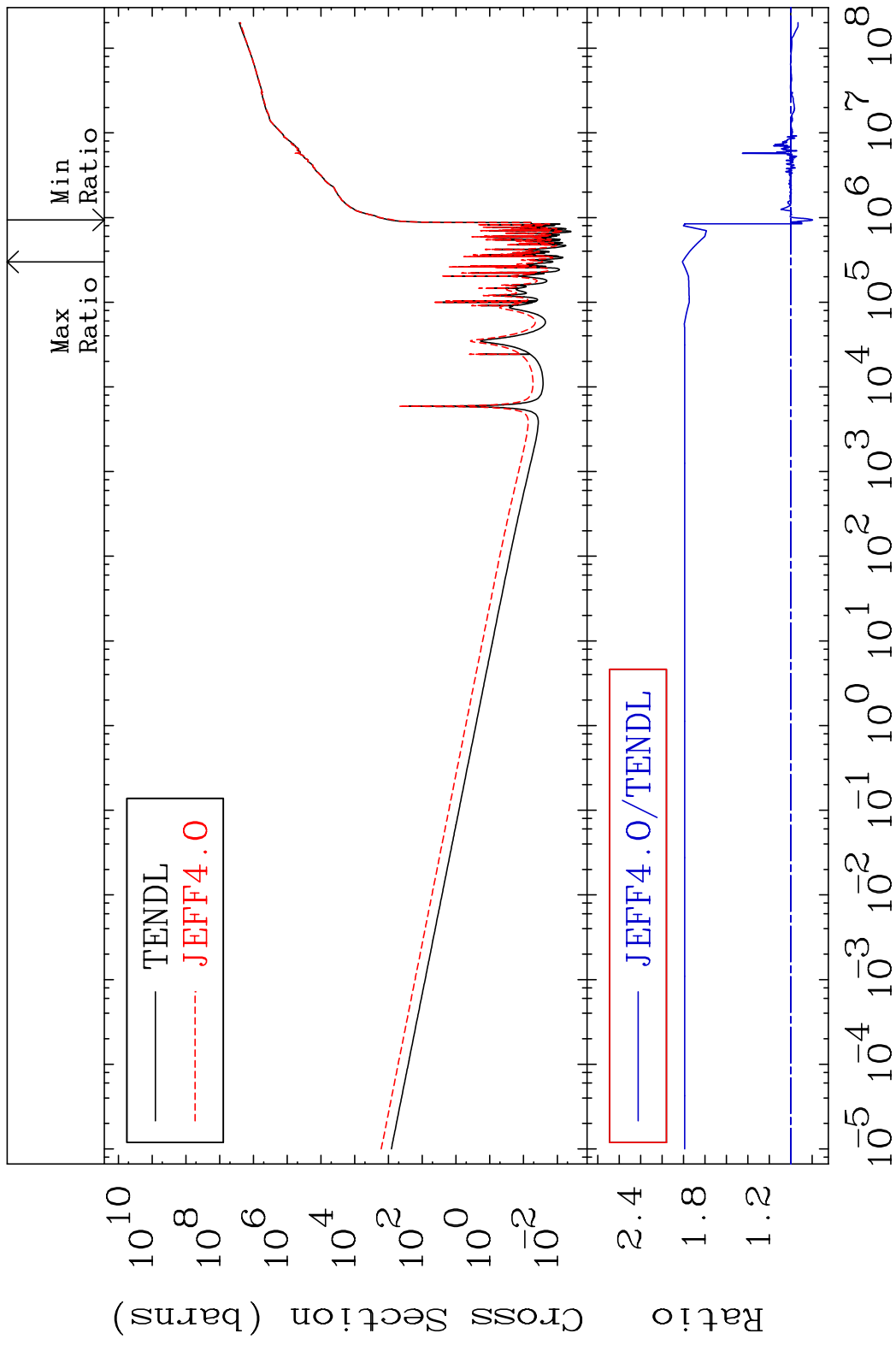
Kerma elastic

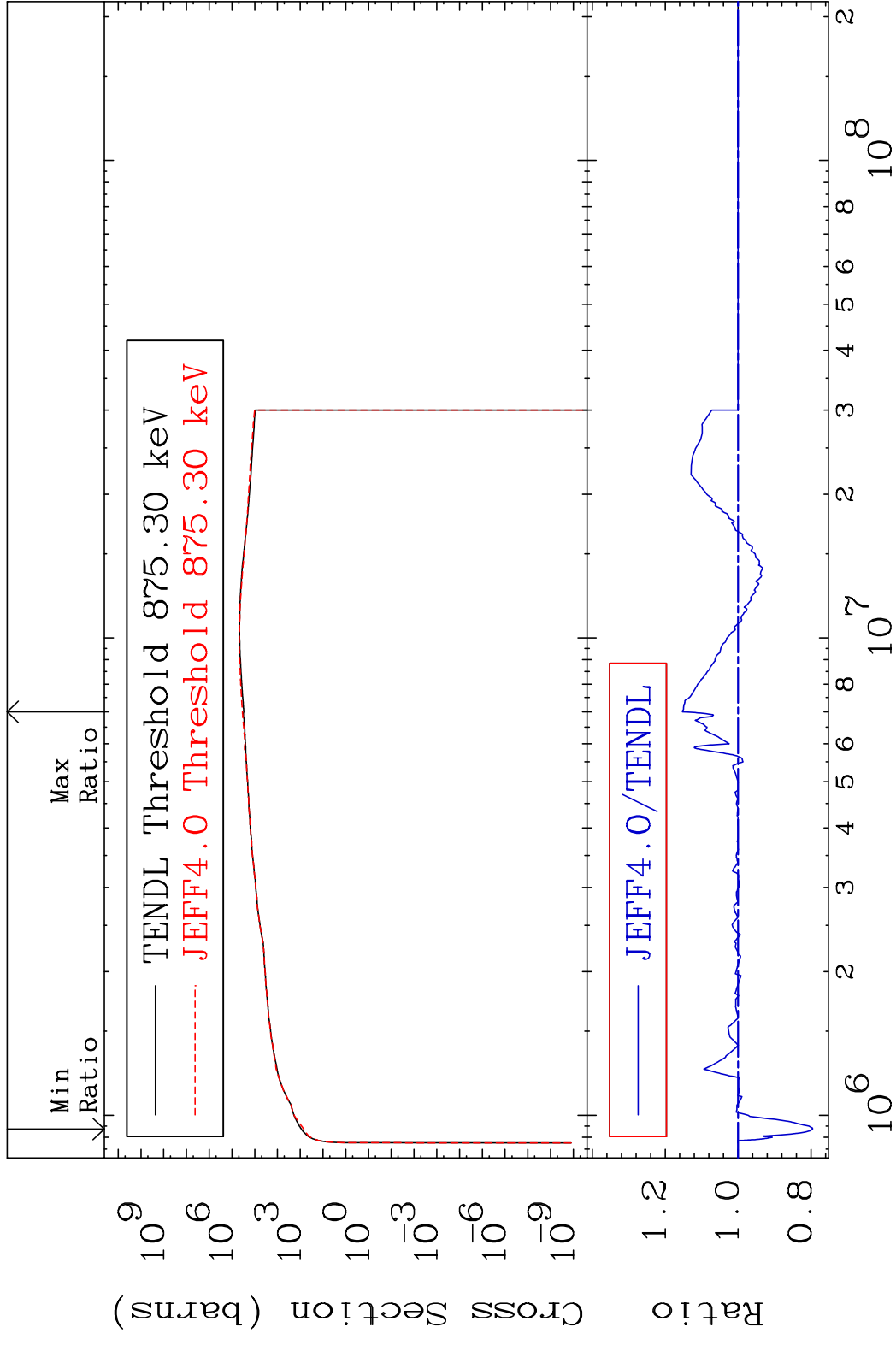
13-Al-27

Cross Section -1.085 To 6.439 %

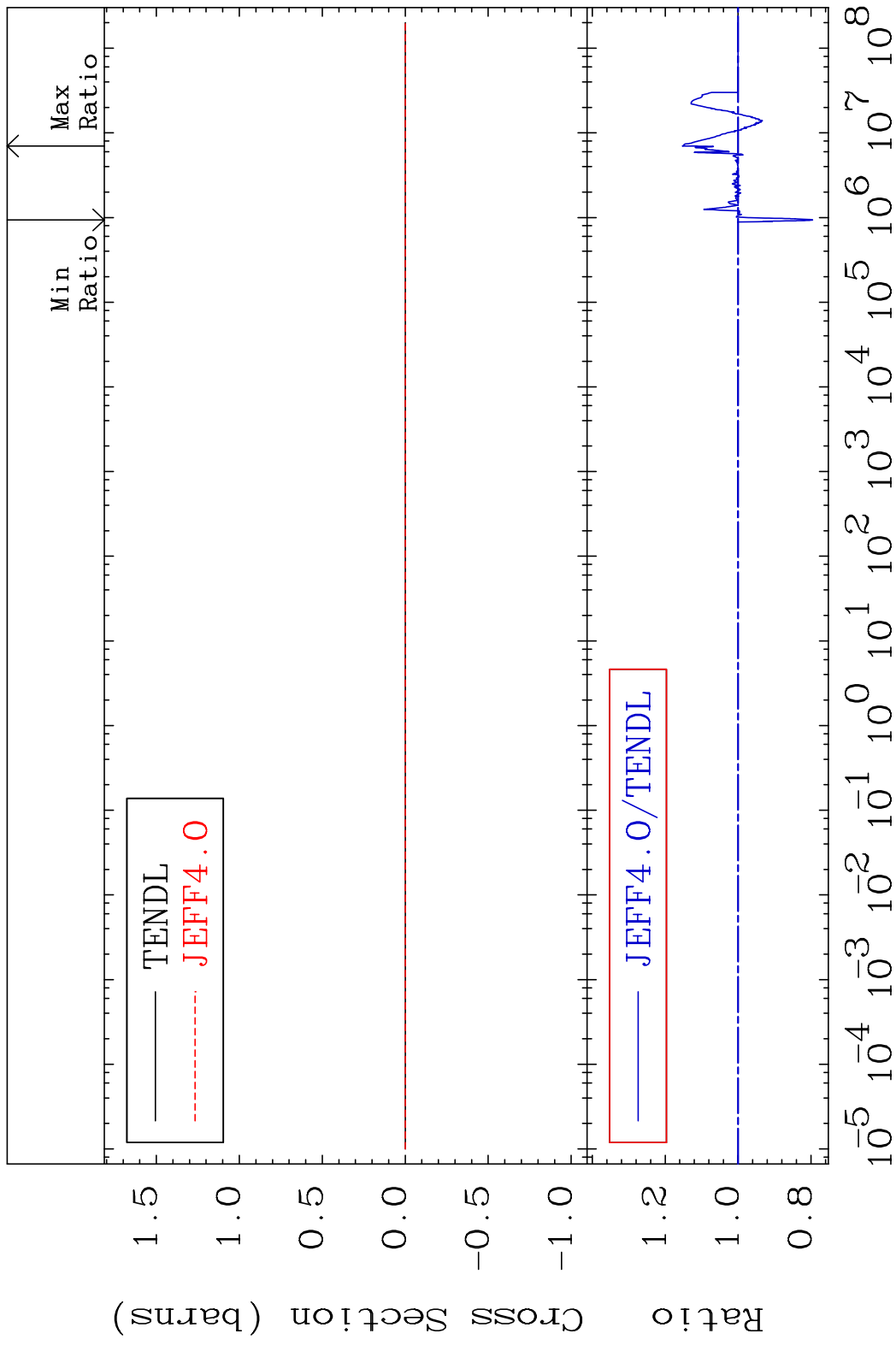


MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27  
 Cross Section -20.41 To 101.1 %



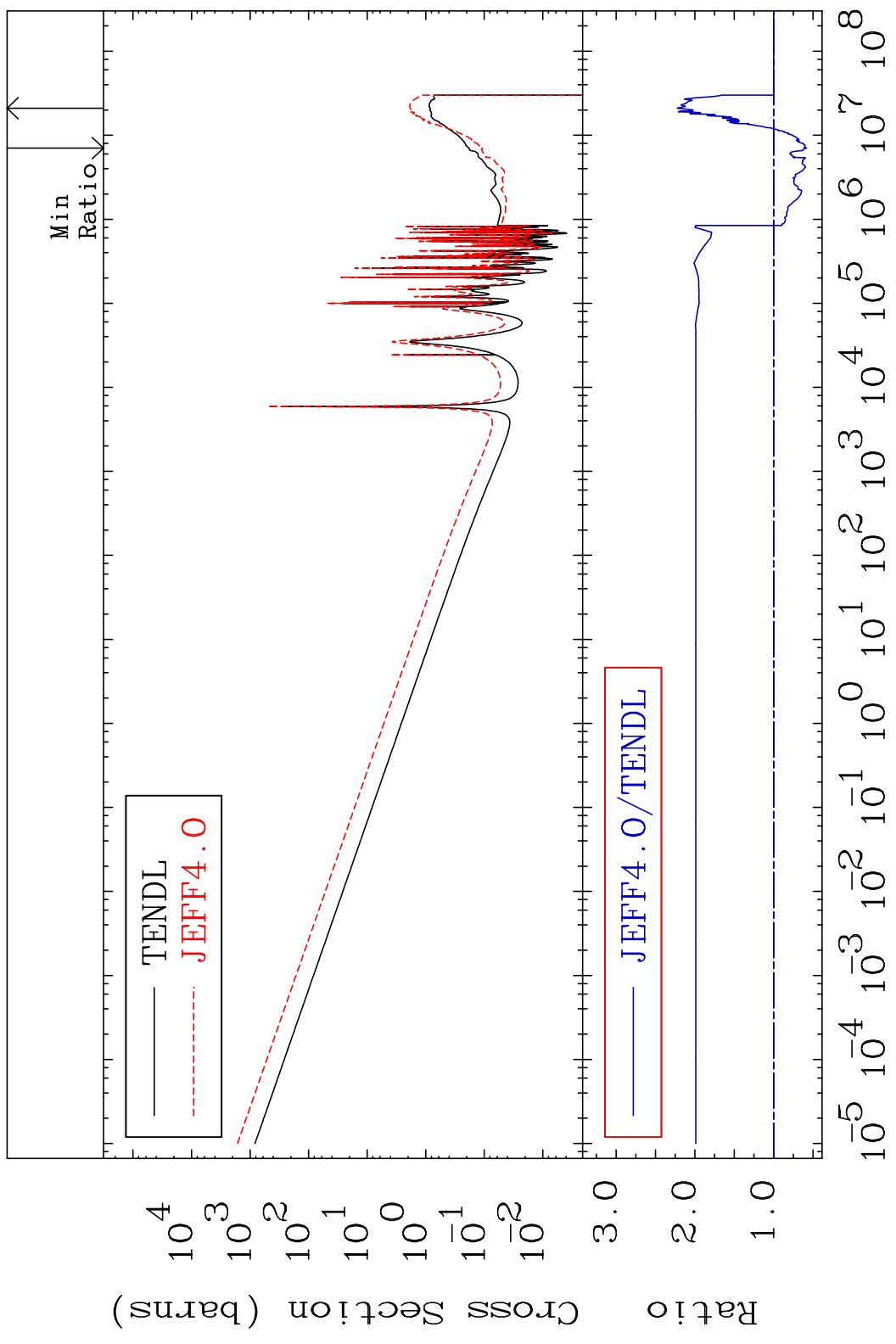


MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27  
 Cross Section -20.41 To 15.29 %



MAT 1325

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



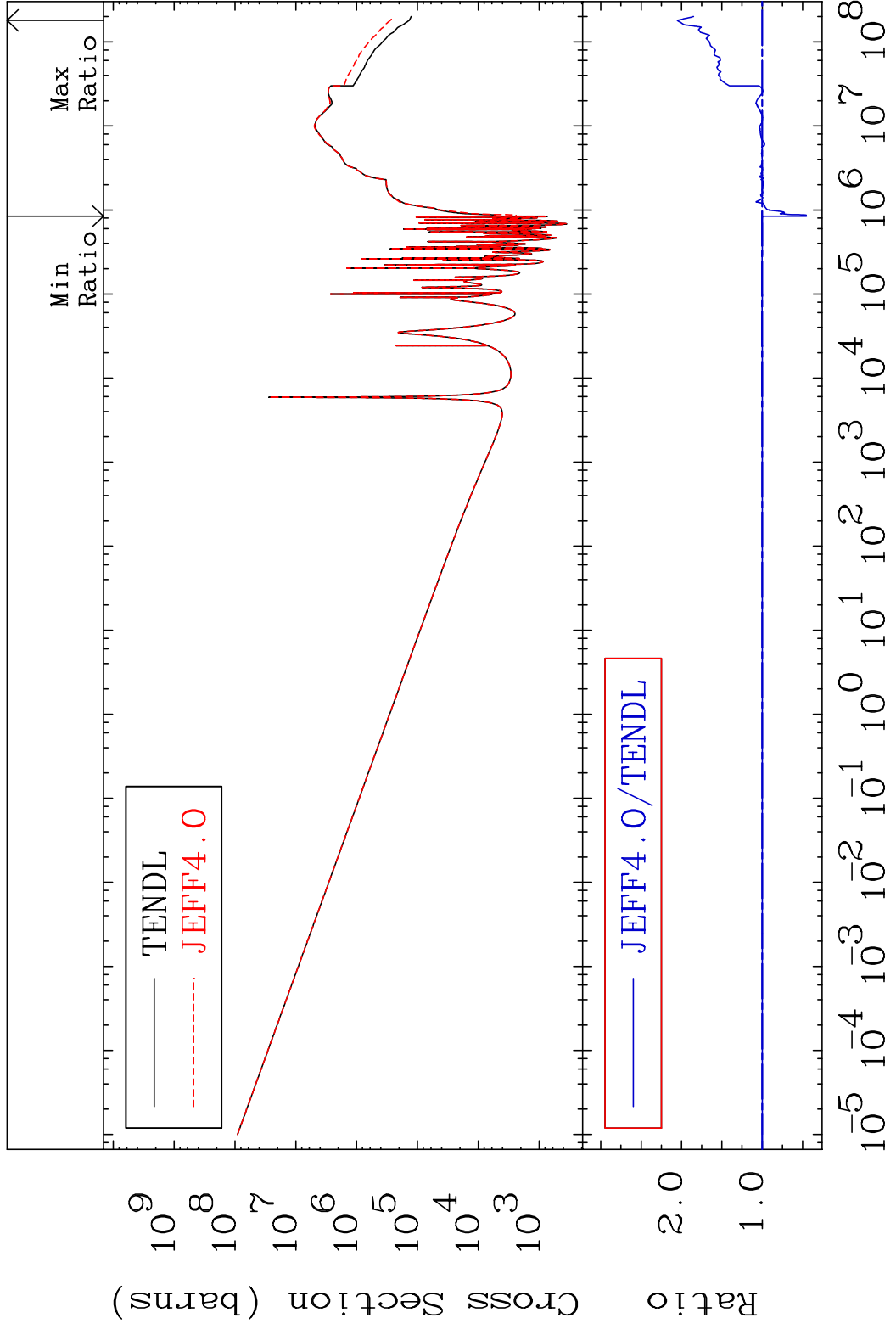
58

Incident Energy (eV)

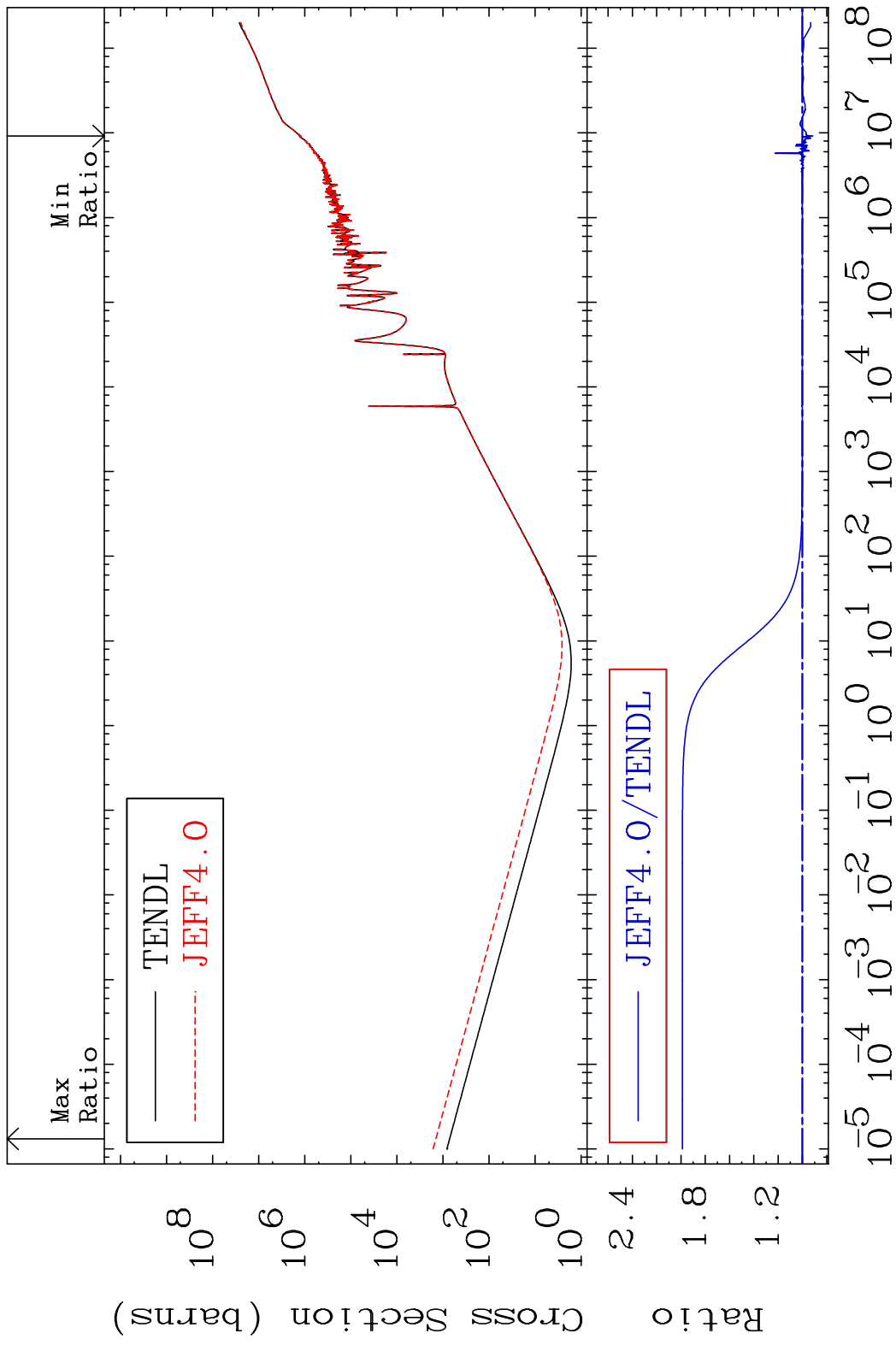
13-A1-27

MAT 1325

Total photon (eV-barns) 13-A1-27  
Cross Section -54.75 To 105.3 %



MAT 1325 Total kinematic kerma (high limit) 13-A1-27  
 Cross Section -8.340 To 98.88 %

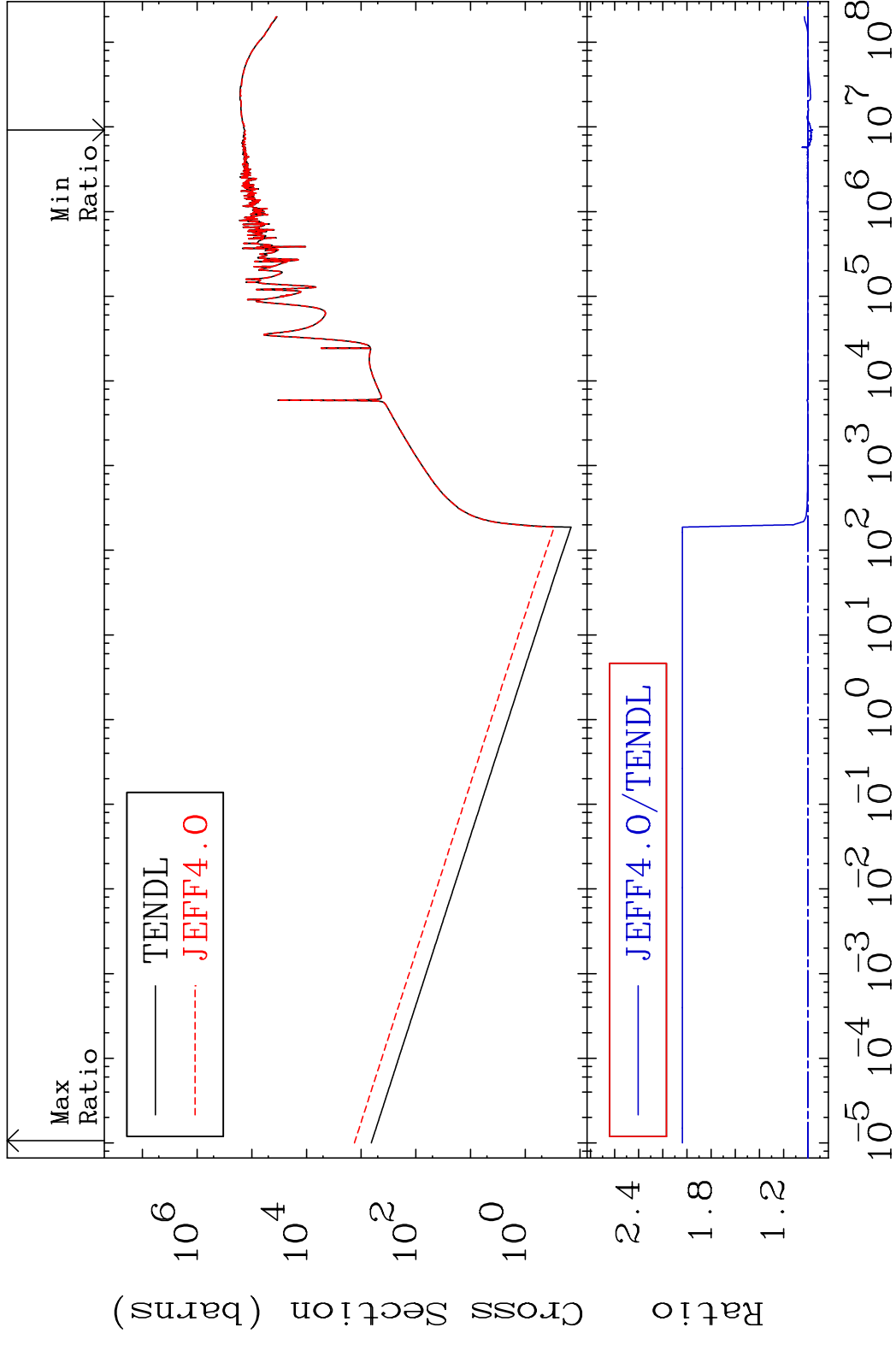


MAT 1325

Dpa total (eV-barns)

13-A1-27

Cross Section -3.962 To 103.9 %

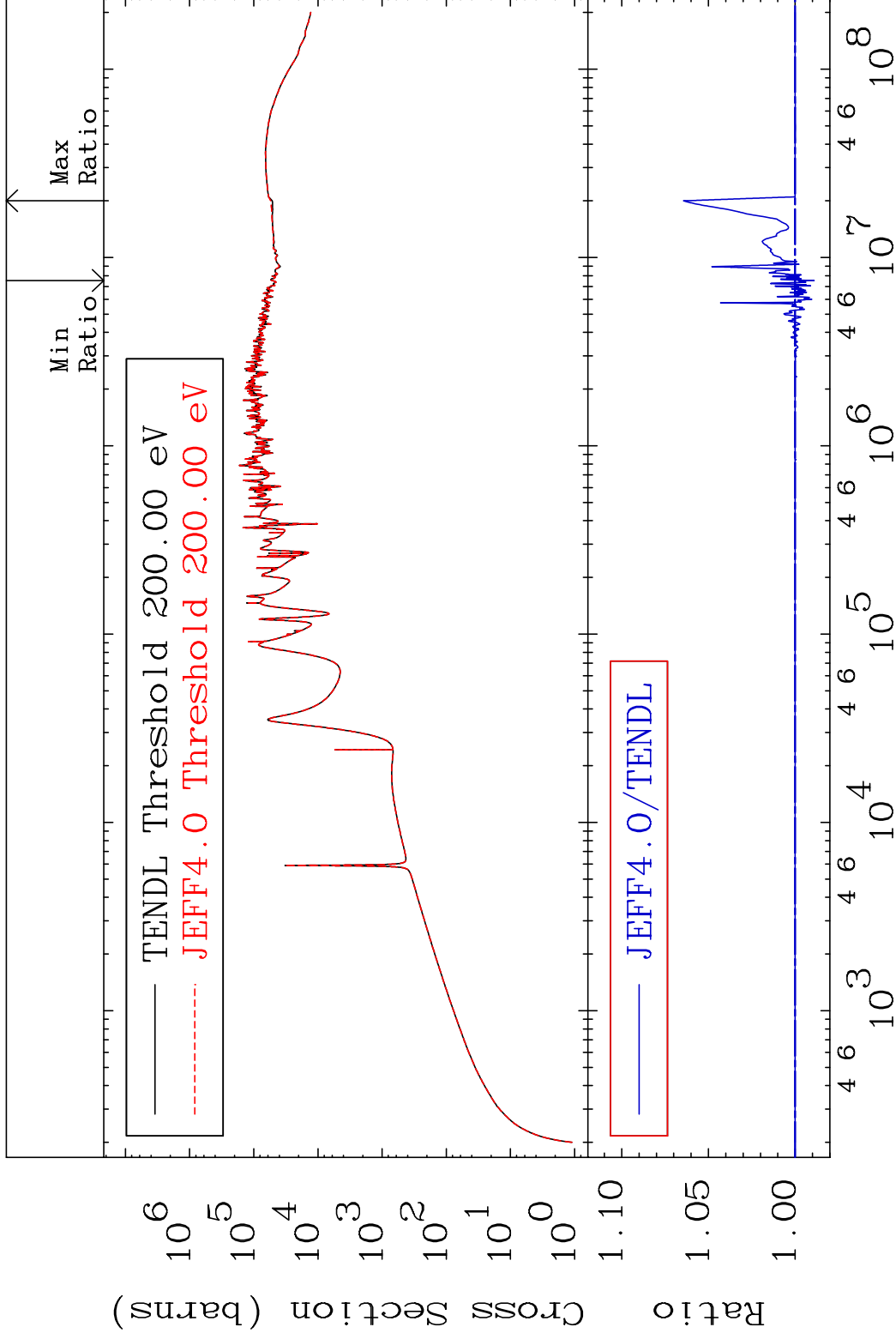


MAT 1325

Dpa elastic (mt2)

13-A1-27

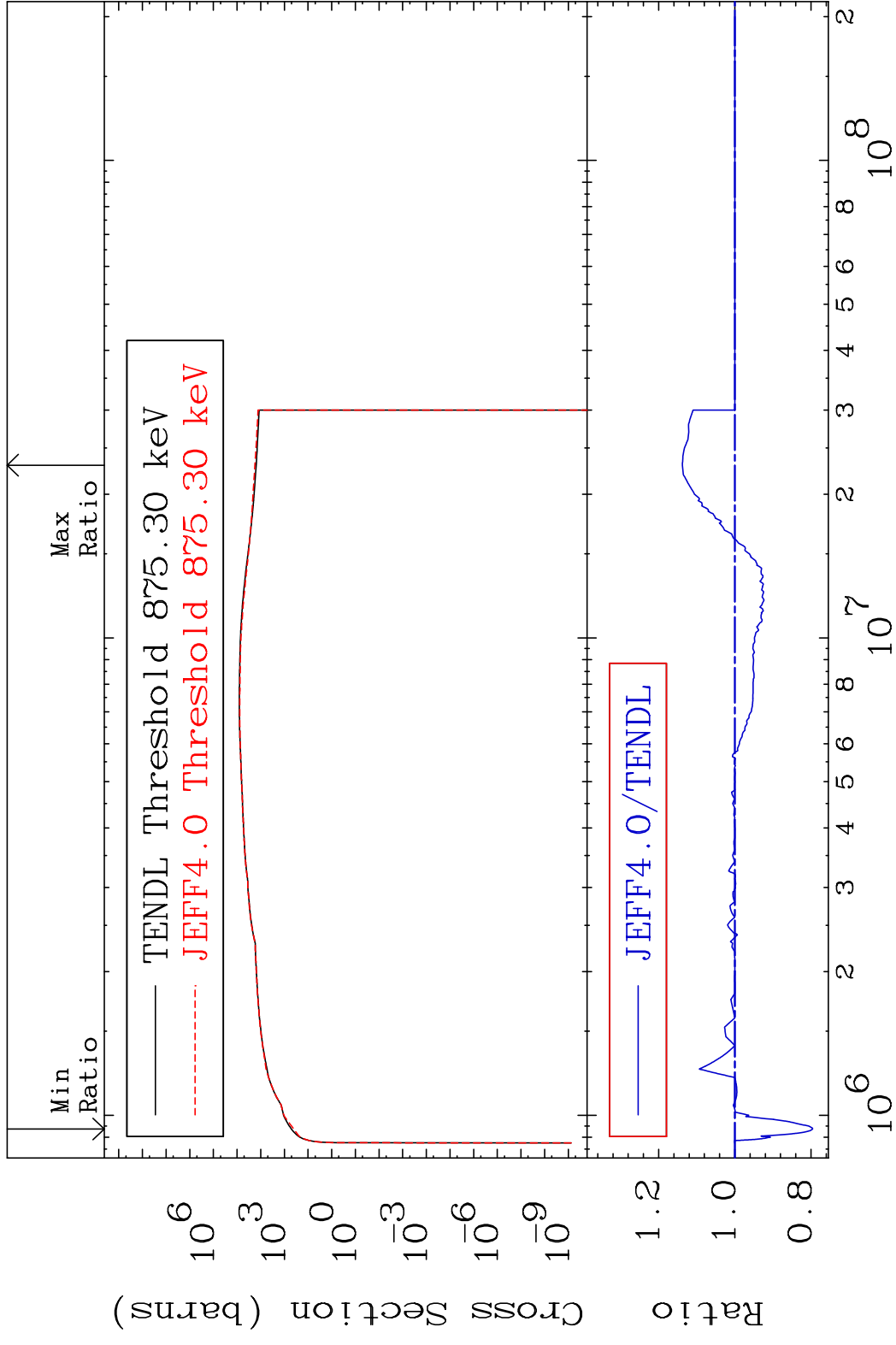
Cross Section -1.089 To 6.440 %



62

Incident Energy (eV)

13-A1-27



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

