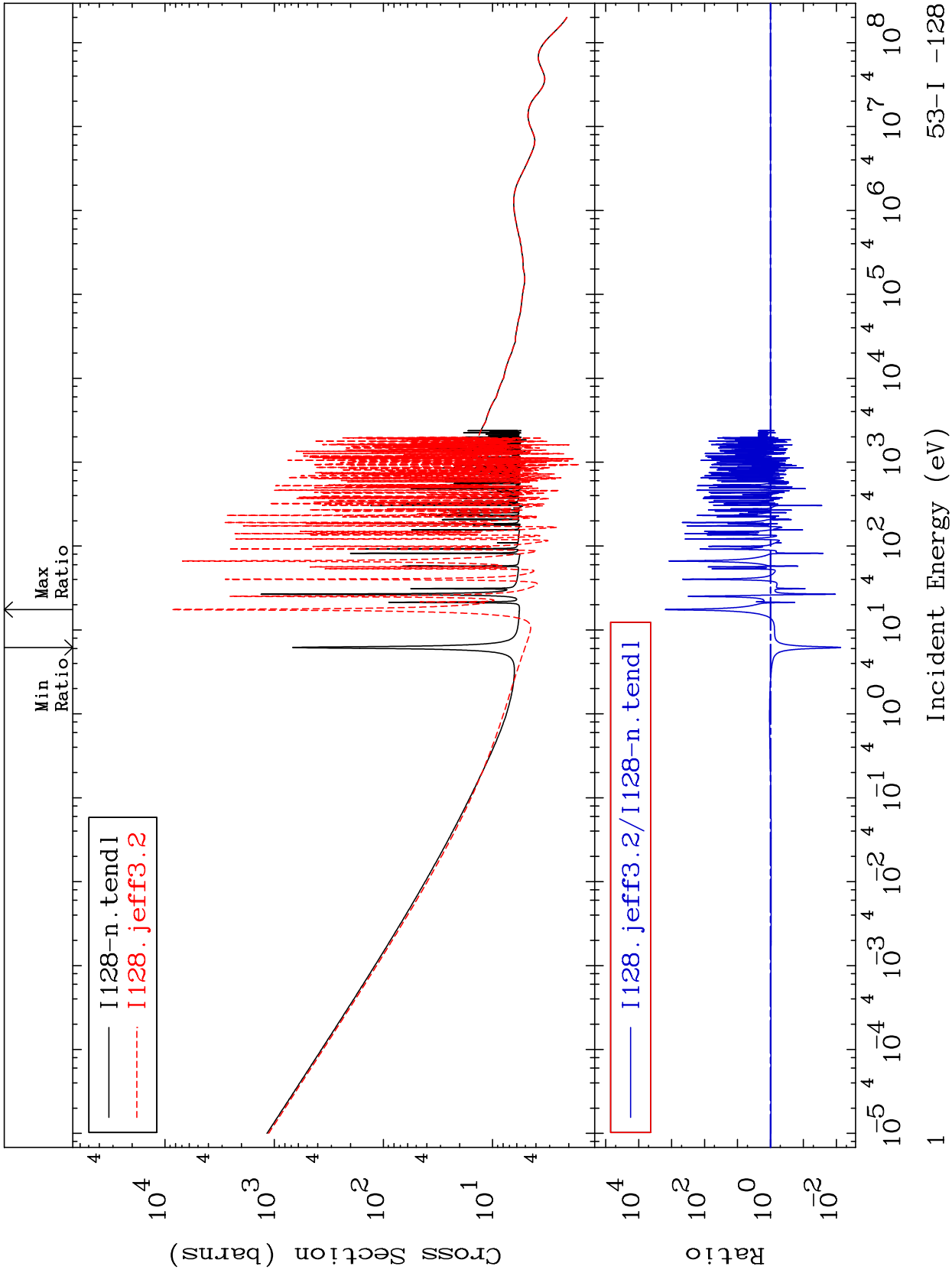


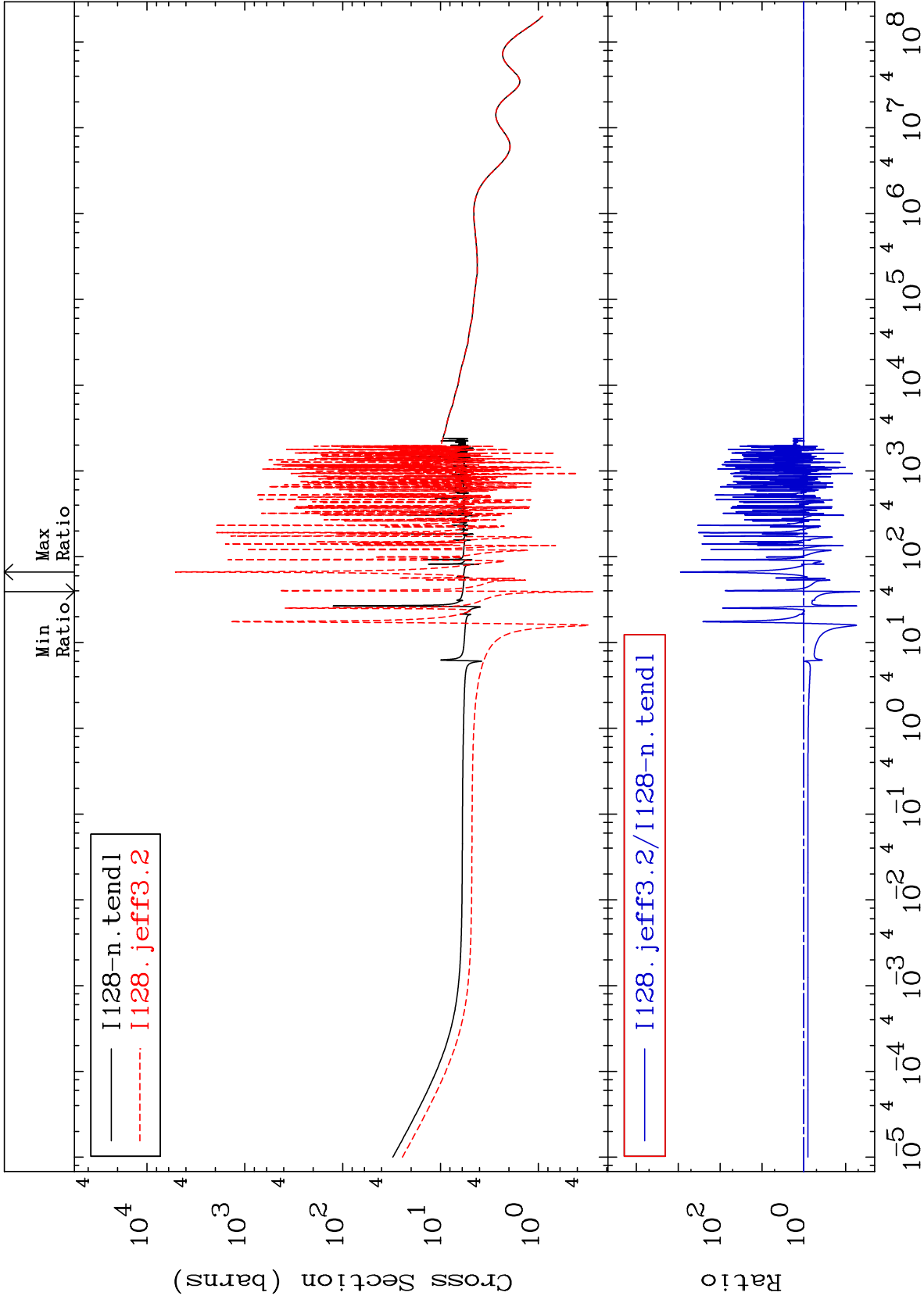
MAT 5328

Total  
Cross Section

53-I -128  
-99.26 To 9999. %



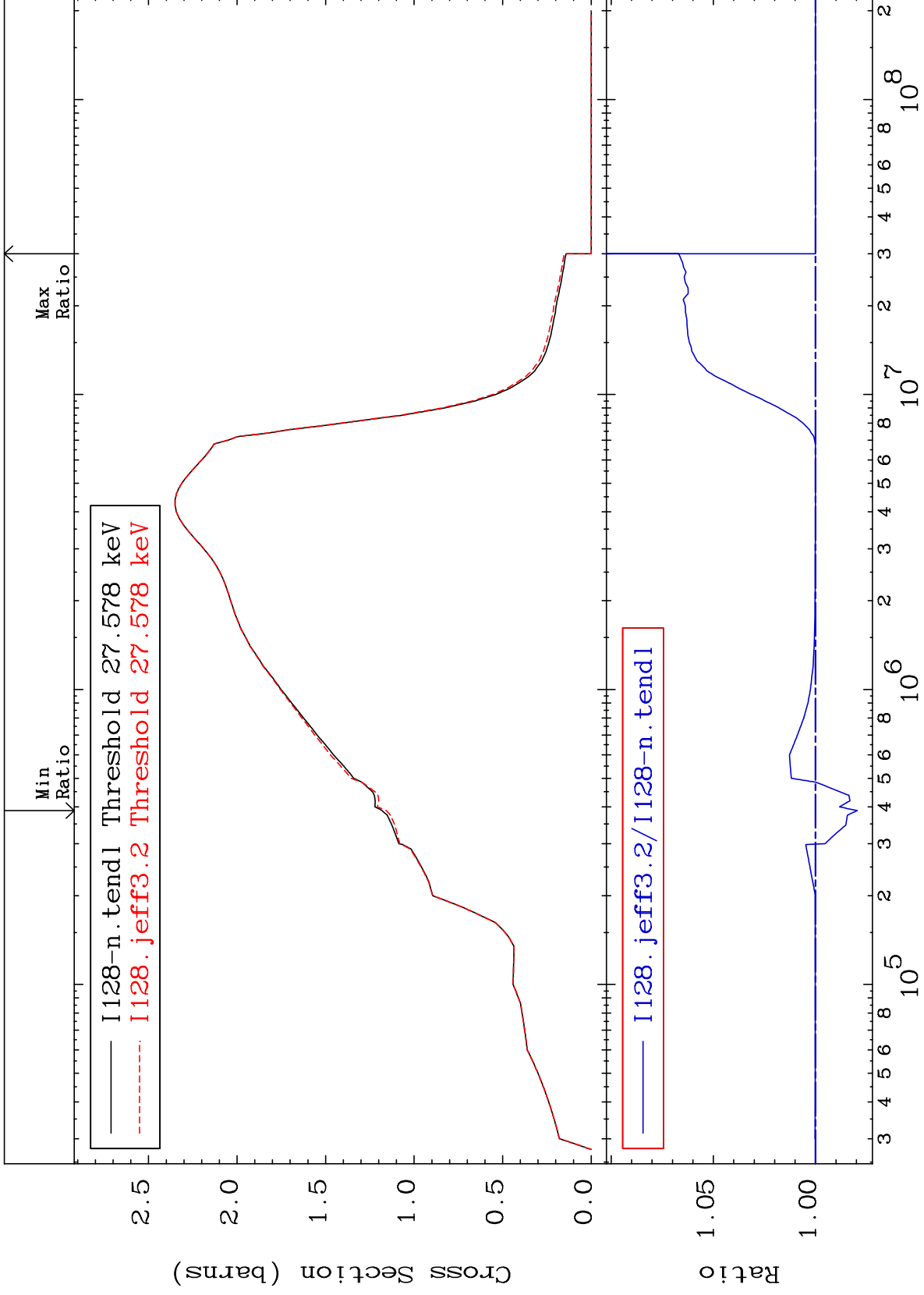
53-I -128



MAT 5328

Inelastic  
Cross Section

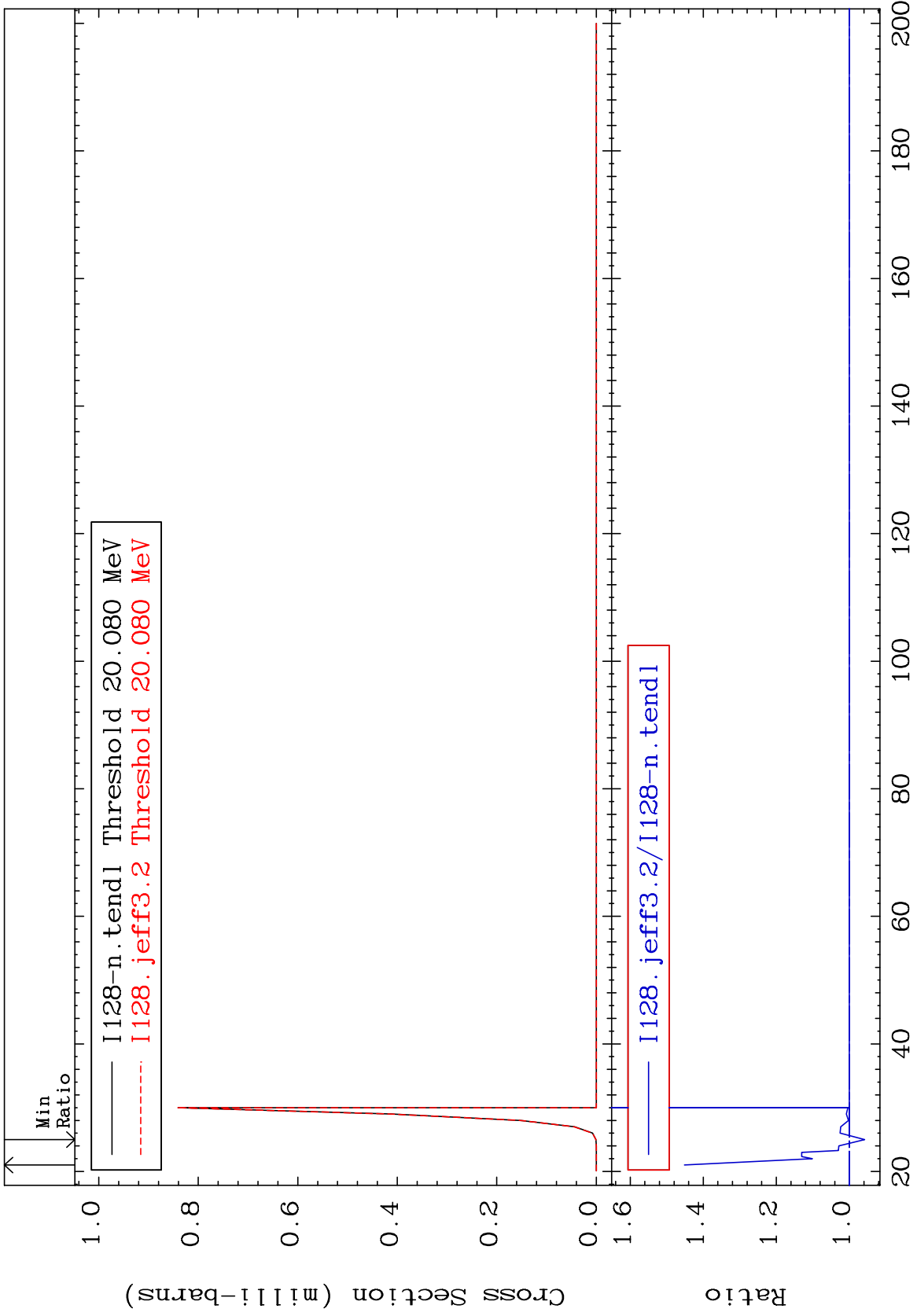
53-I -128  
-2.043 To 6.698 %



MAT 5328

(n,2n) d  
Cross Section

53-I -128  
-4.176 To 45.15 %



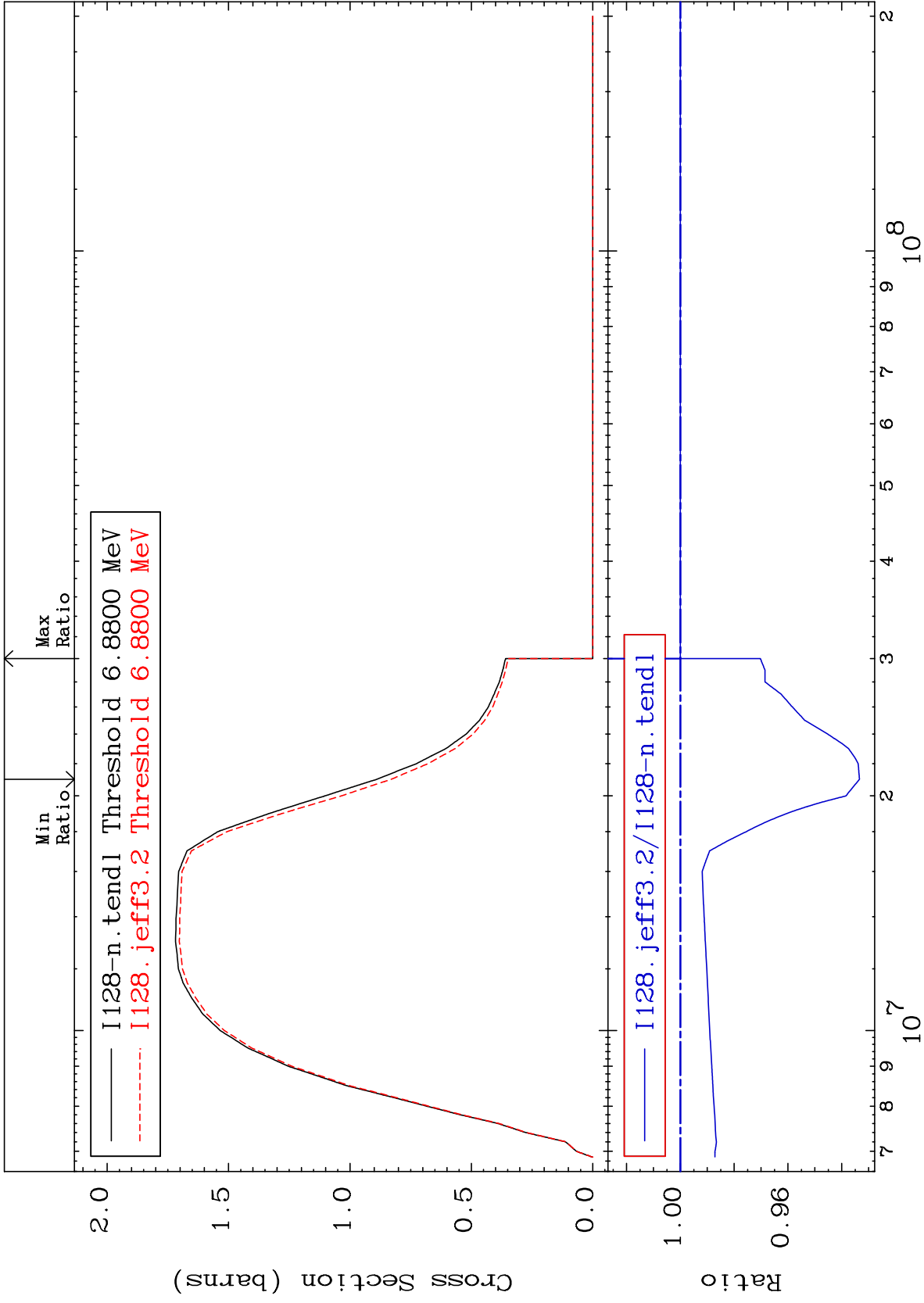
MAT 5328

(n,2n)

53-I -128

Cross Section

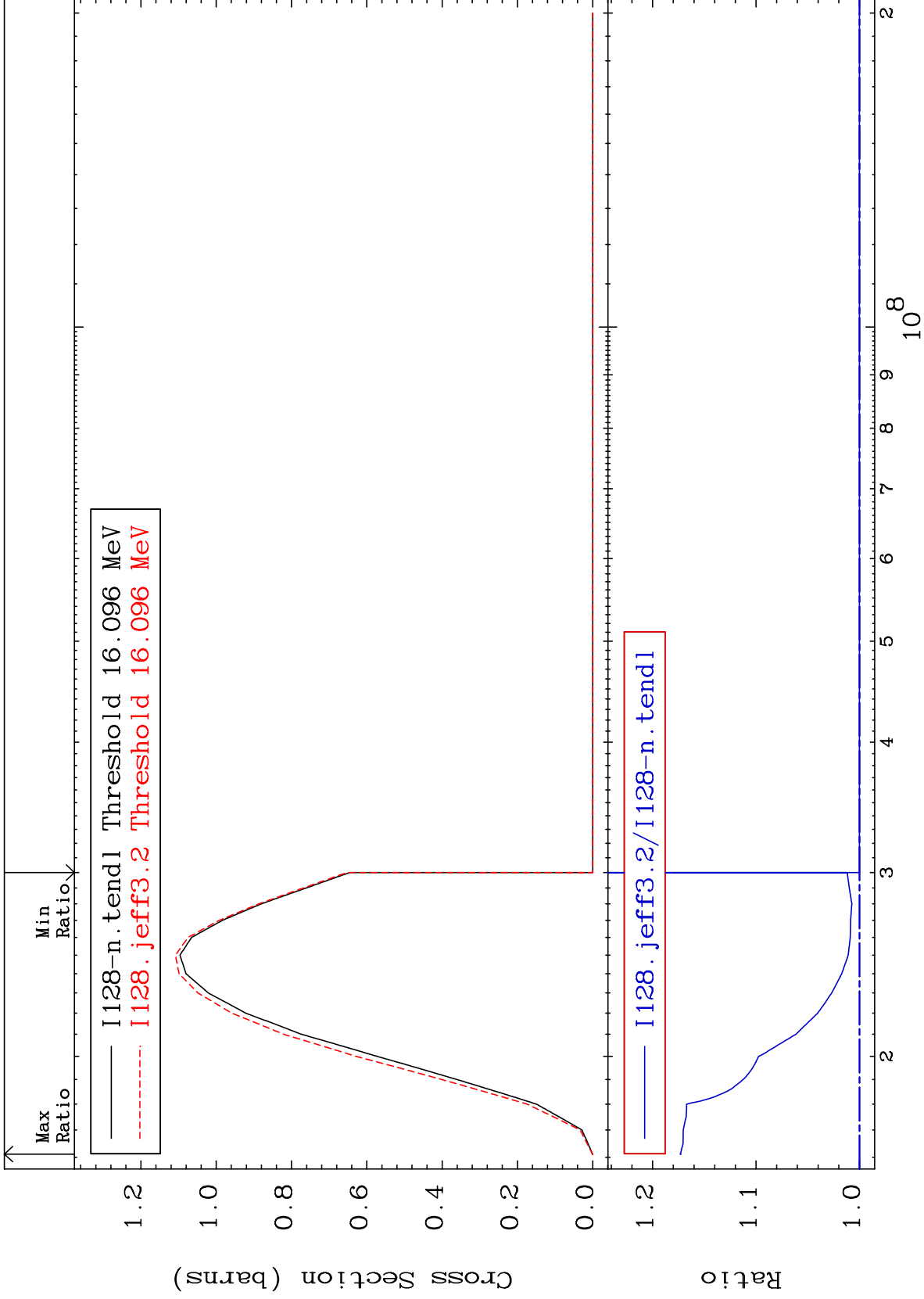
-6.656 To 0.000 %



5

Incident Energy (eV)

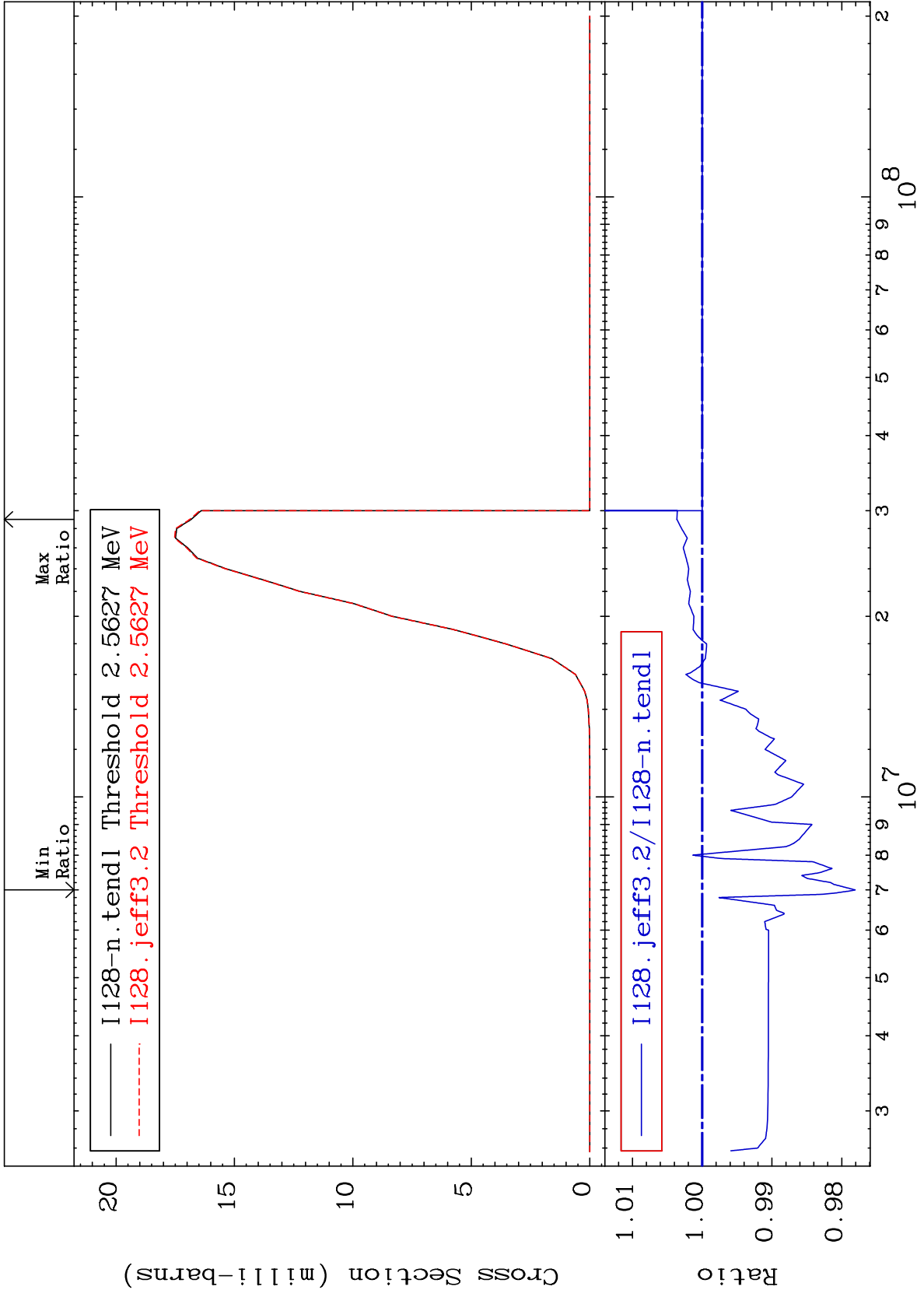
53-I -128



MAT 5328

(n,n')  $\alpha$   
Cross Section

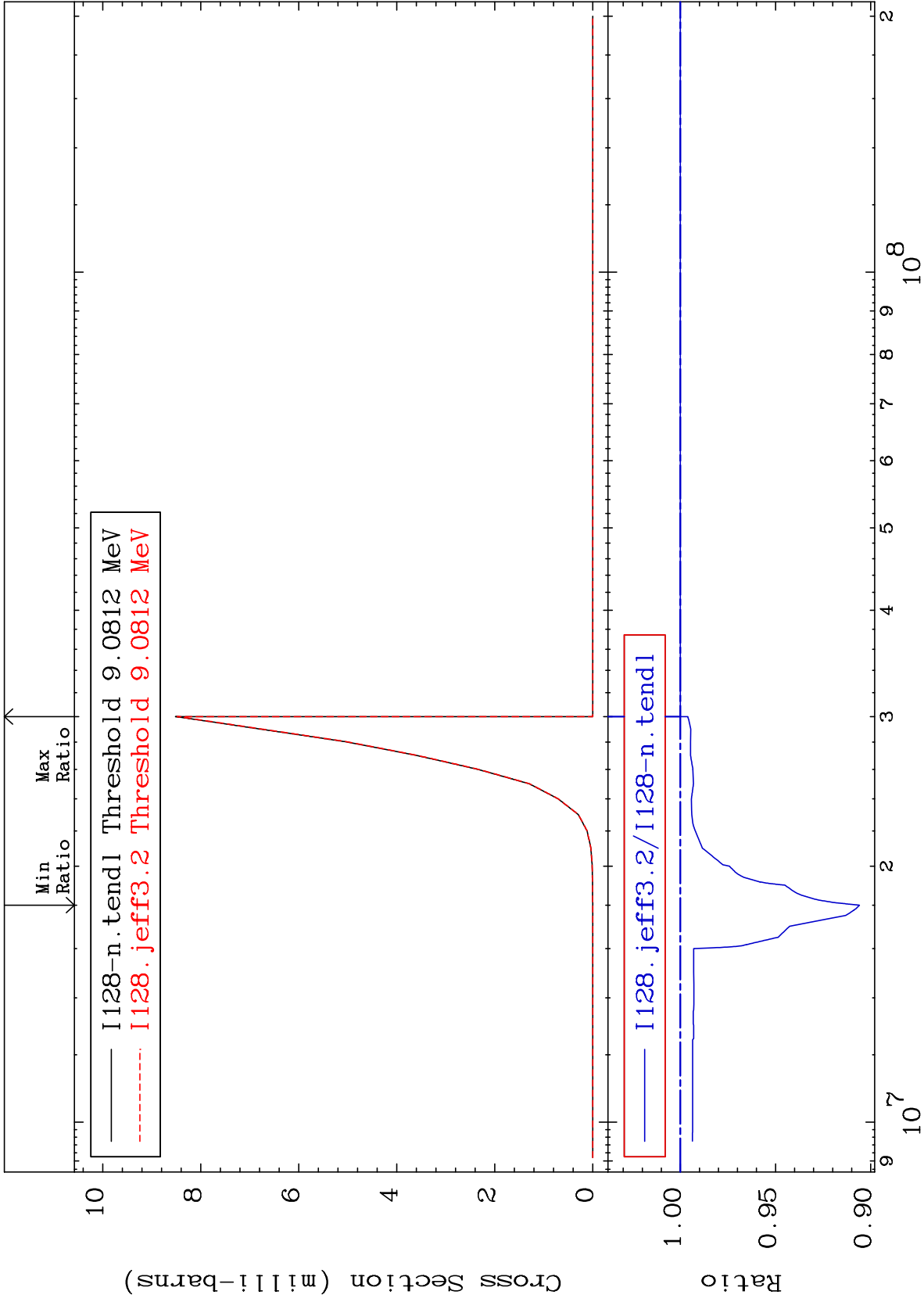
53-I -128  
-2.192 To 0.362 %



MAT 5328

(n,2n)  $\alpha$   
Cross Section

53-I -128  
-9.407 To 0.000 %



8

Incident Energy (eV)

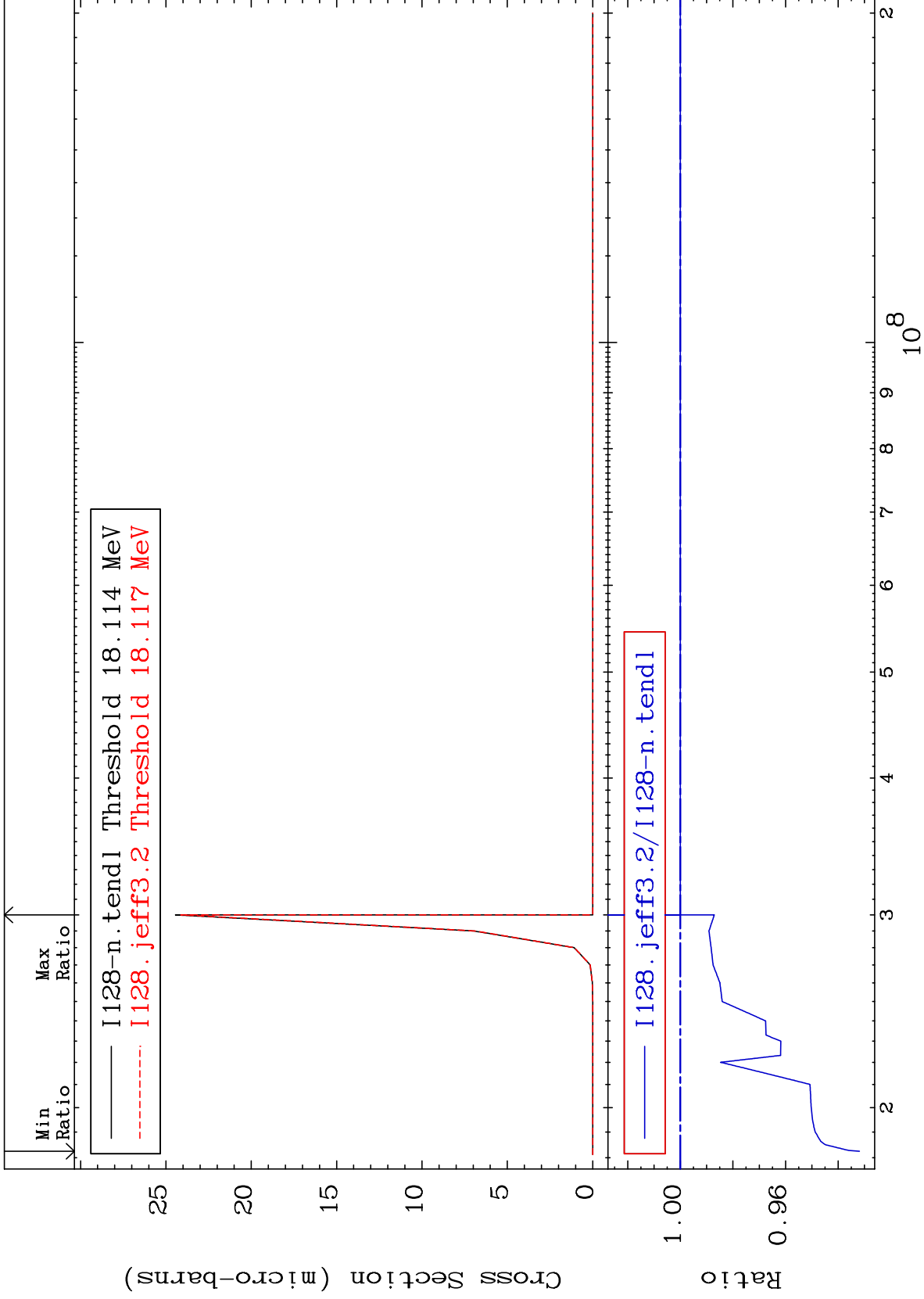
53-I -128



MAT 5328

(n,3n)  $\alpha$   
Cross Section

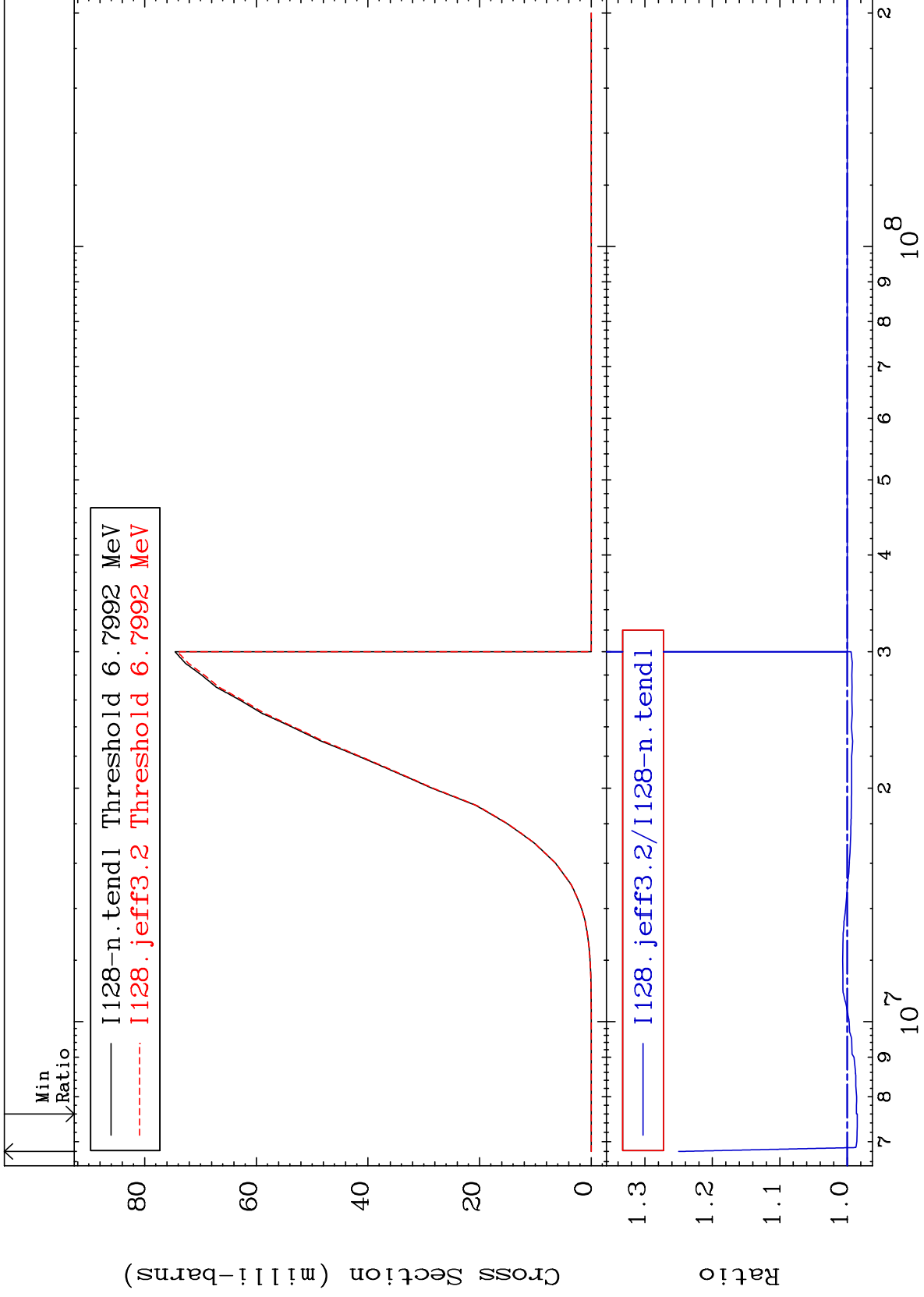
53-I -128  
-6.811 To 0.000 %



MAT 5328

(n,n') p  
Cross Section

53-I -128  
-1.487 To 25.00 %



10

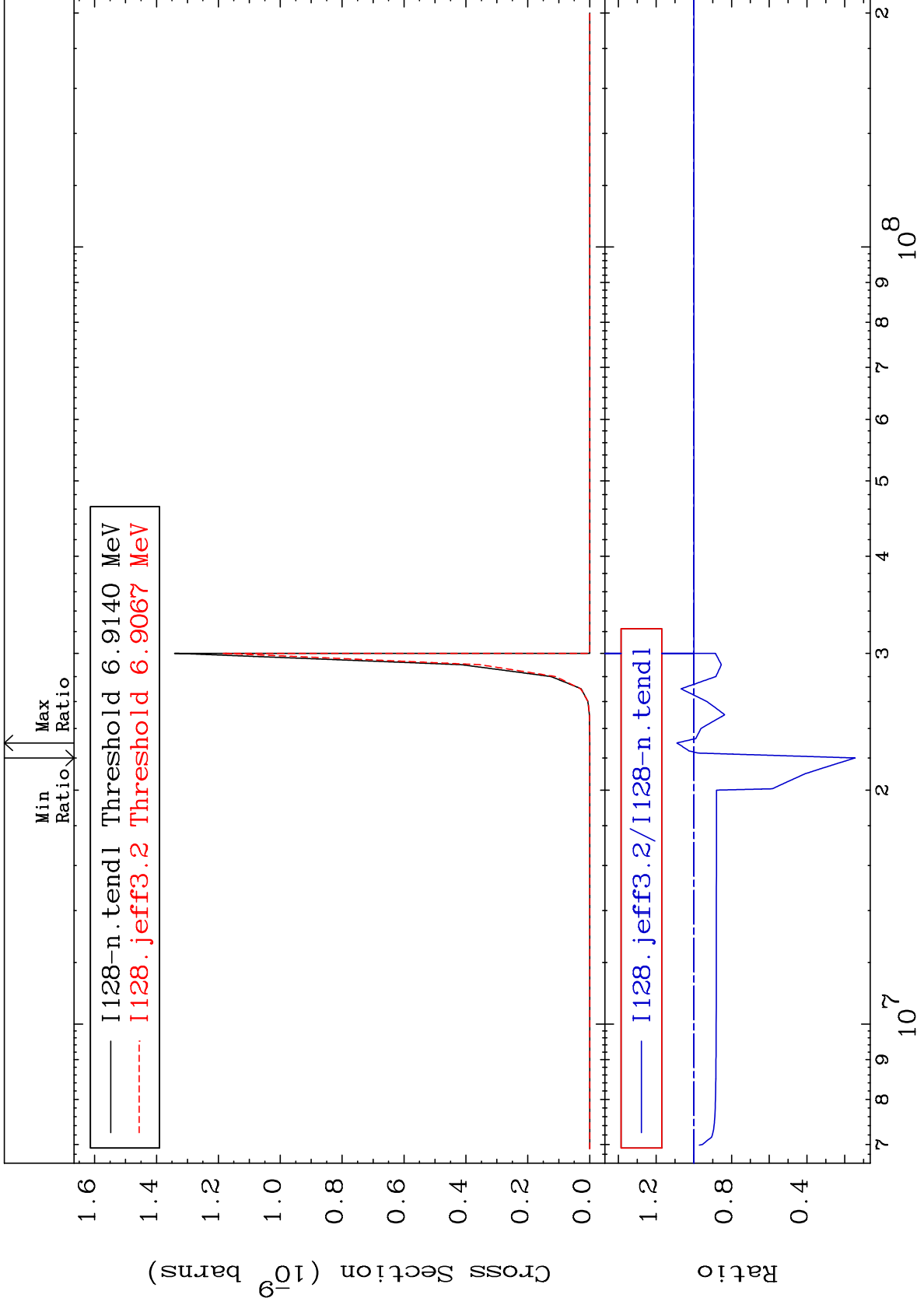
Incident Energy (eV)

53-I -128

MAT 5328

(n, n')  $2\alpha$   
Cross Section

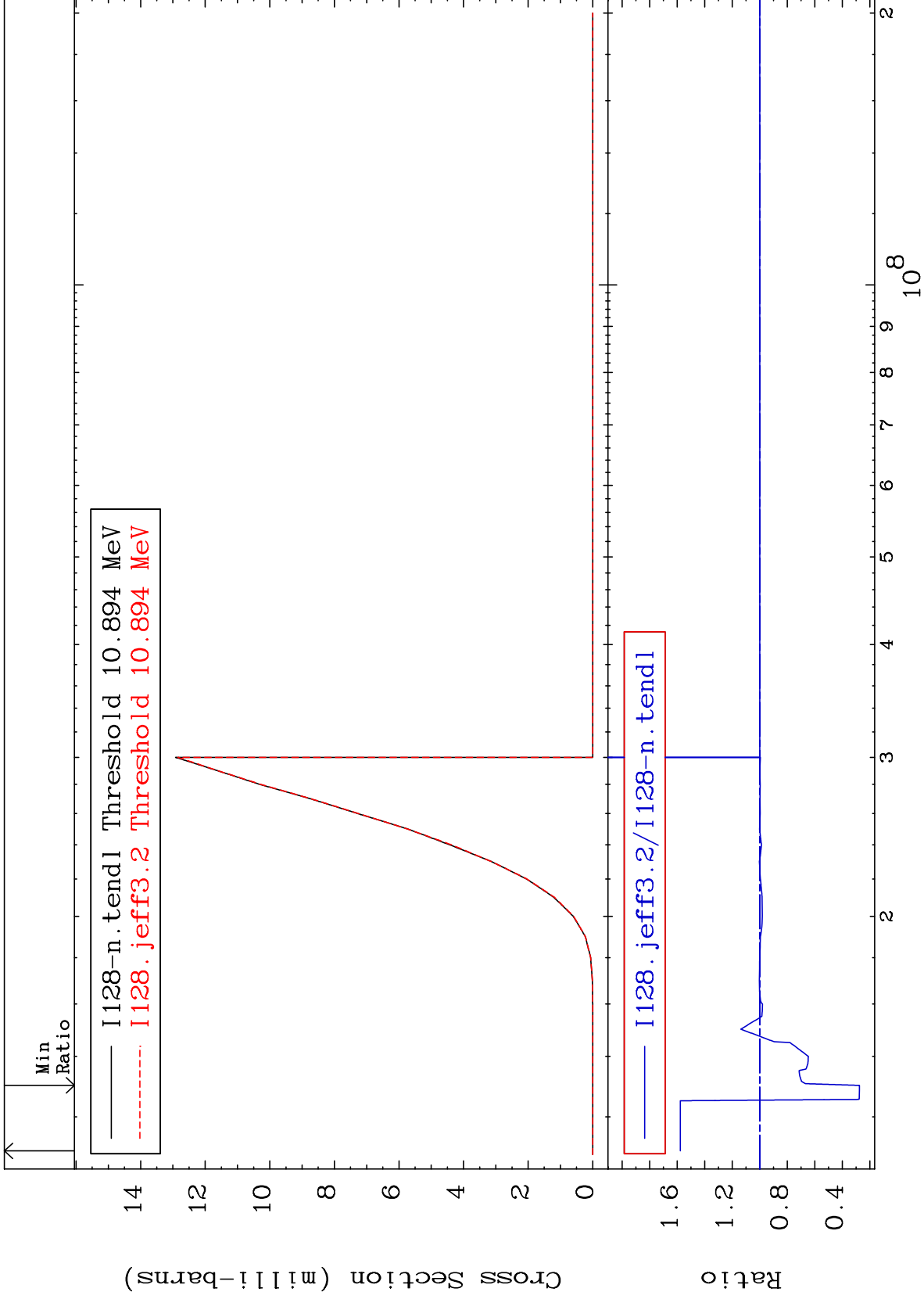
53-I -128  
-85.47 To 8.951 %



MAT 5328

(n,n') d  
Cross Section

53-I -128  
-72.49 To 57.68 %



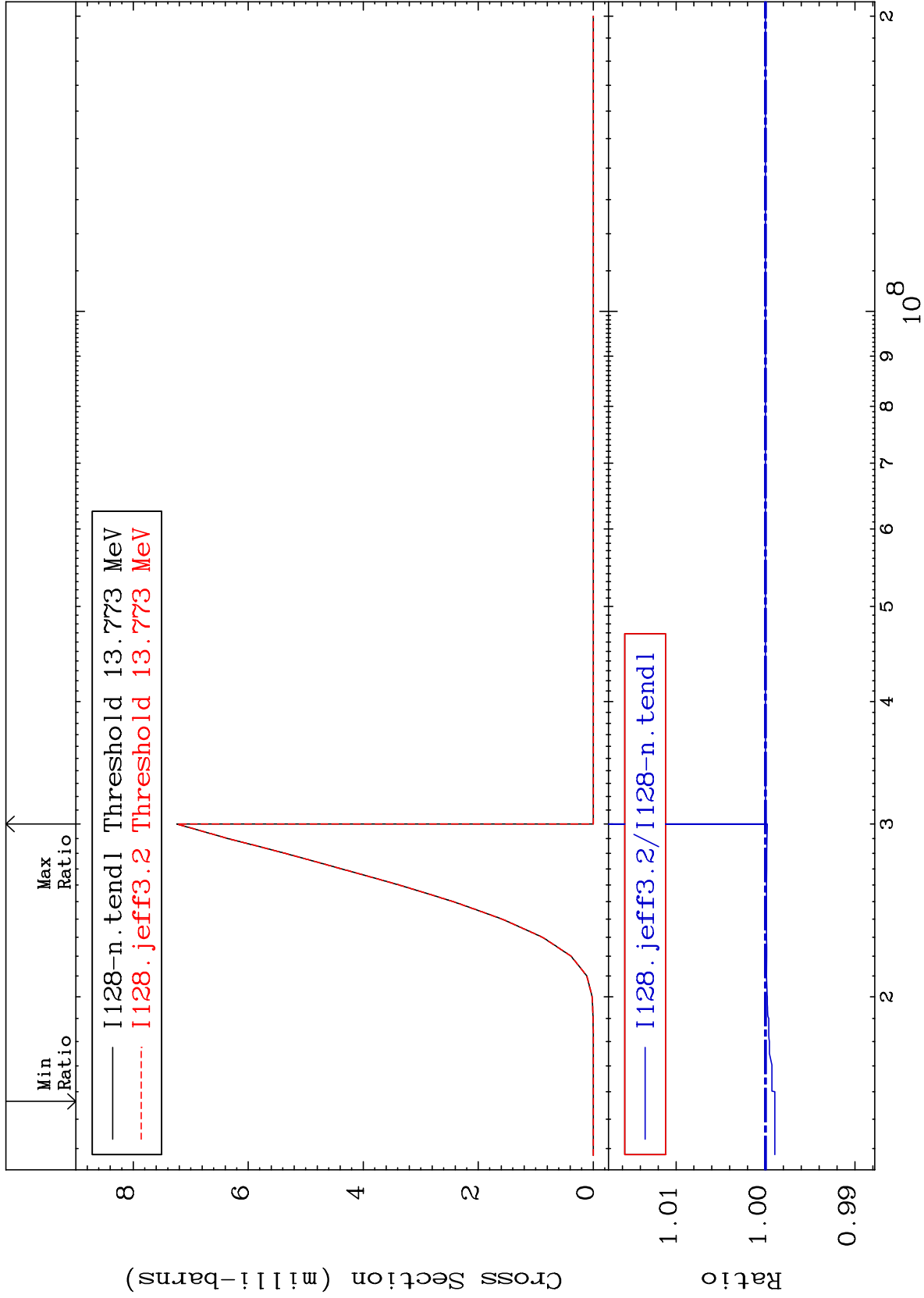
12

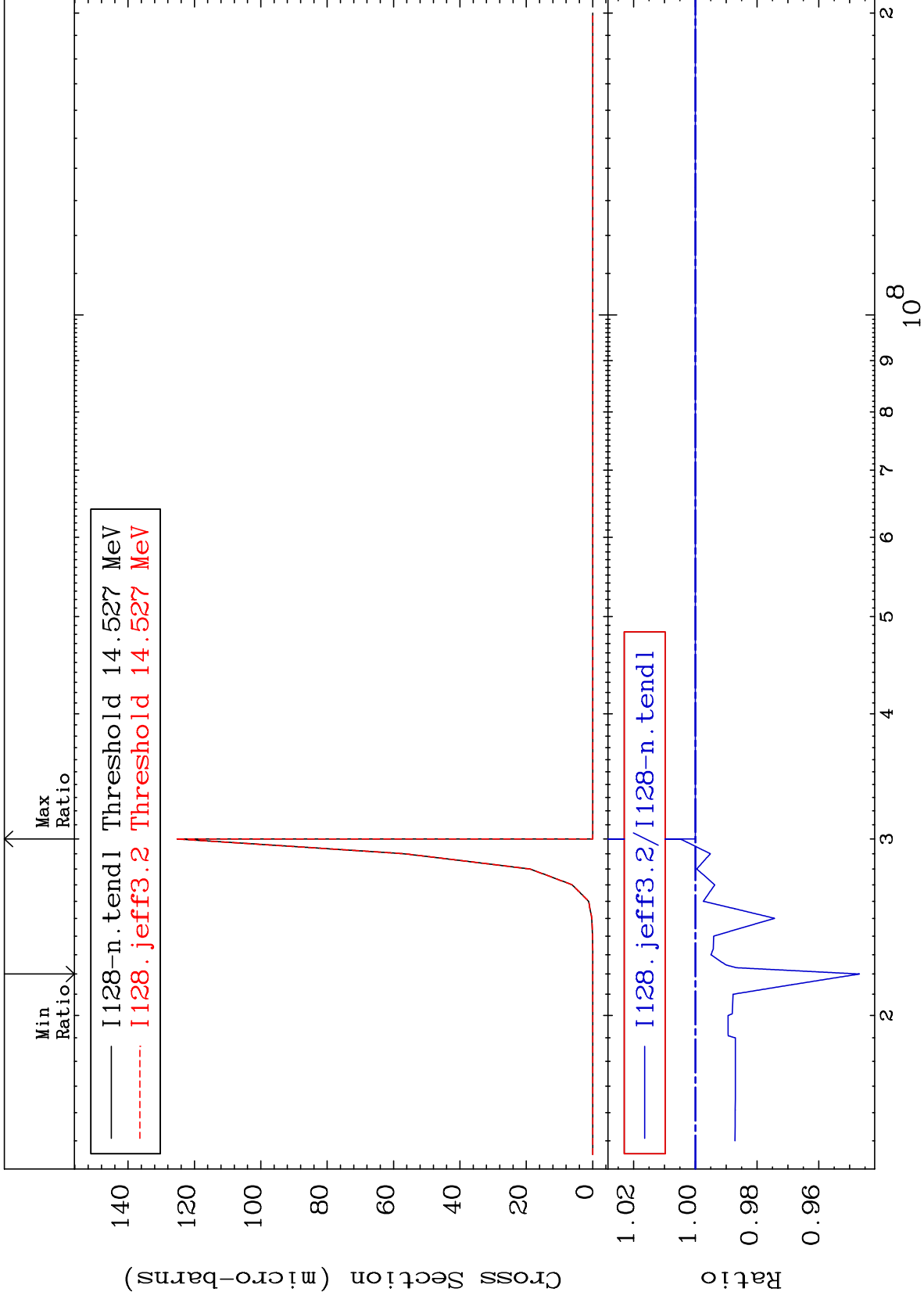
Incident Energy (eV)

53-I -128

Cross Section

-0.105 To 0.000 %

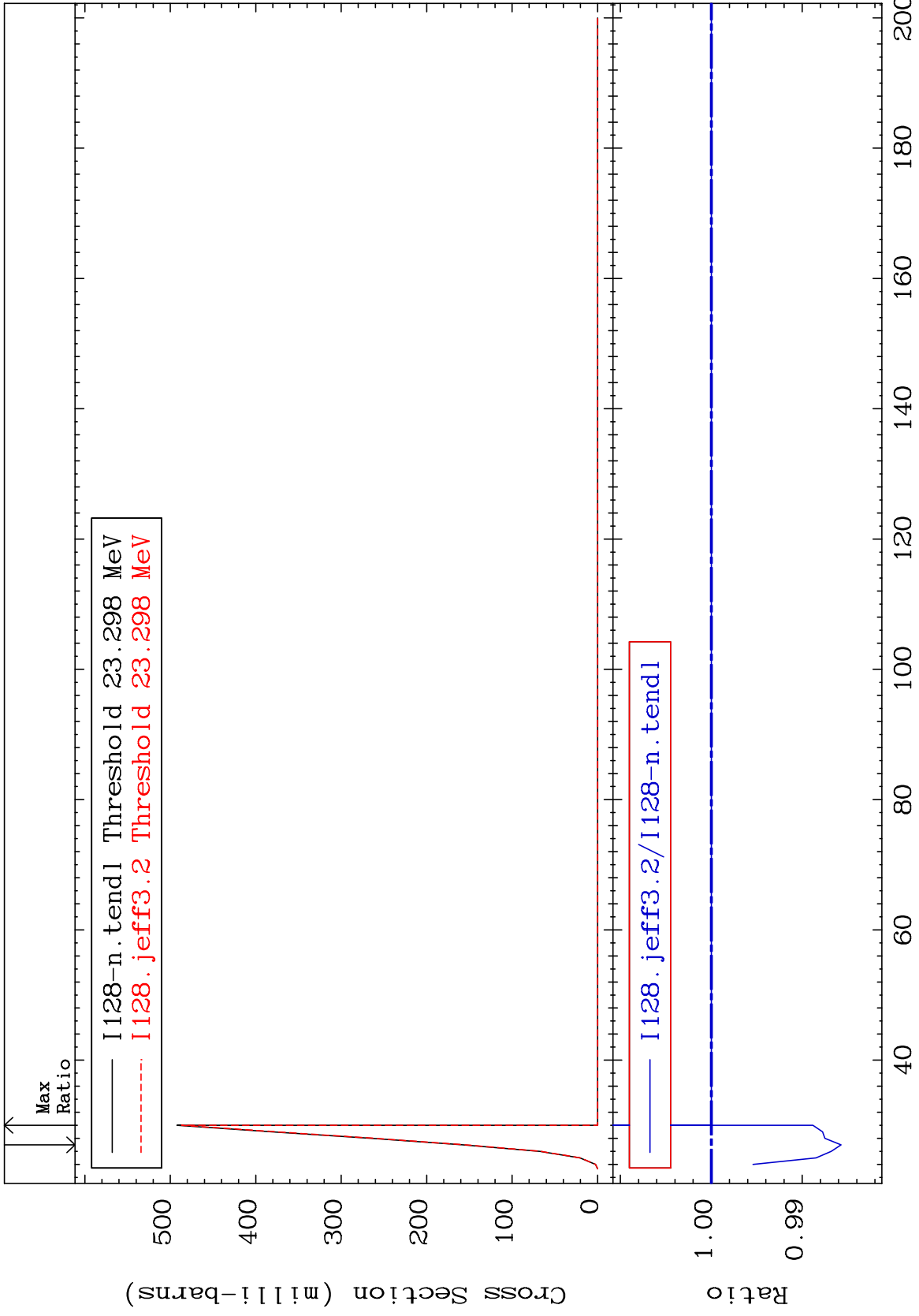


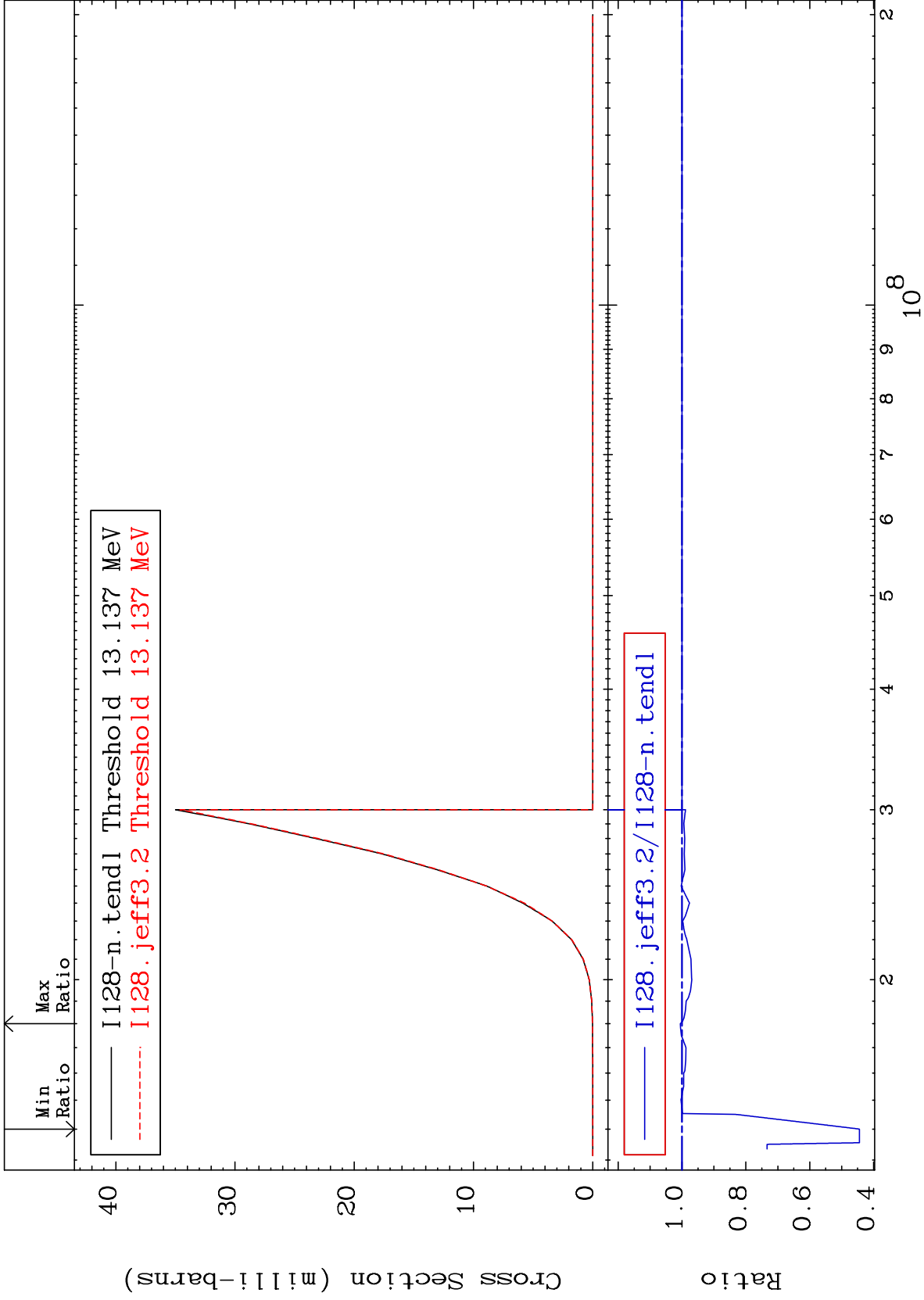


MAT 5328

(n,4n)  
Cross Section

53-I -128  
-1.428 To 0.000 %



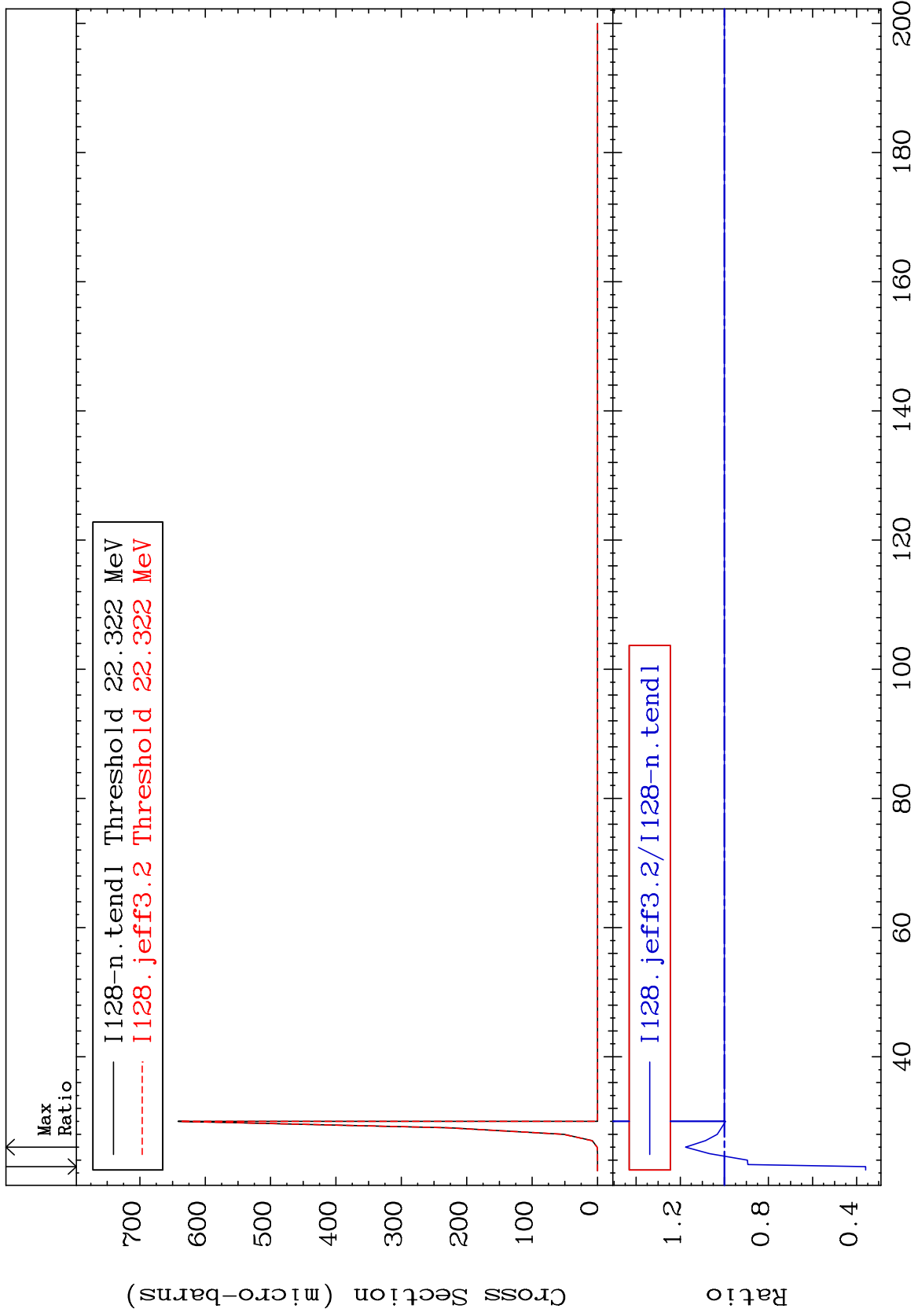


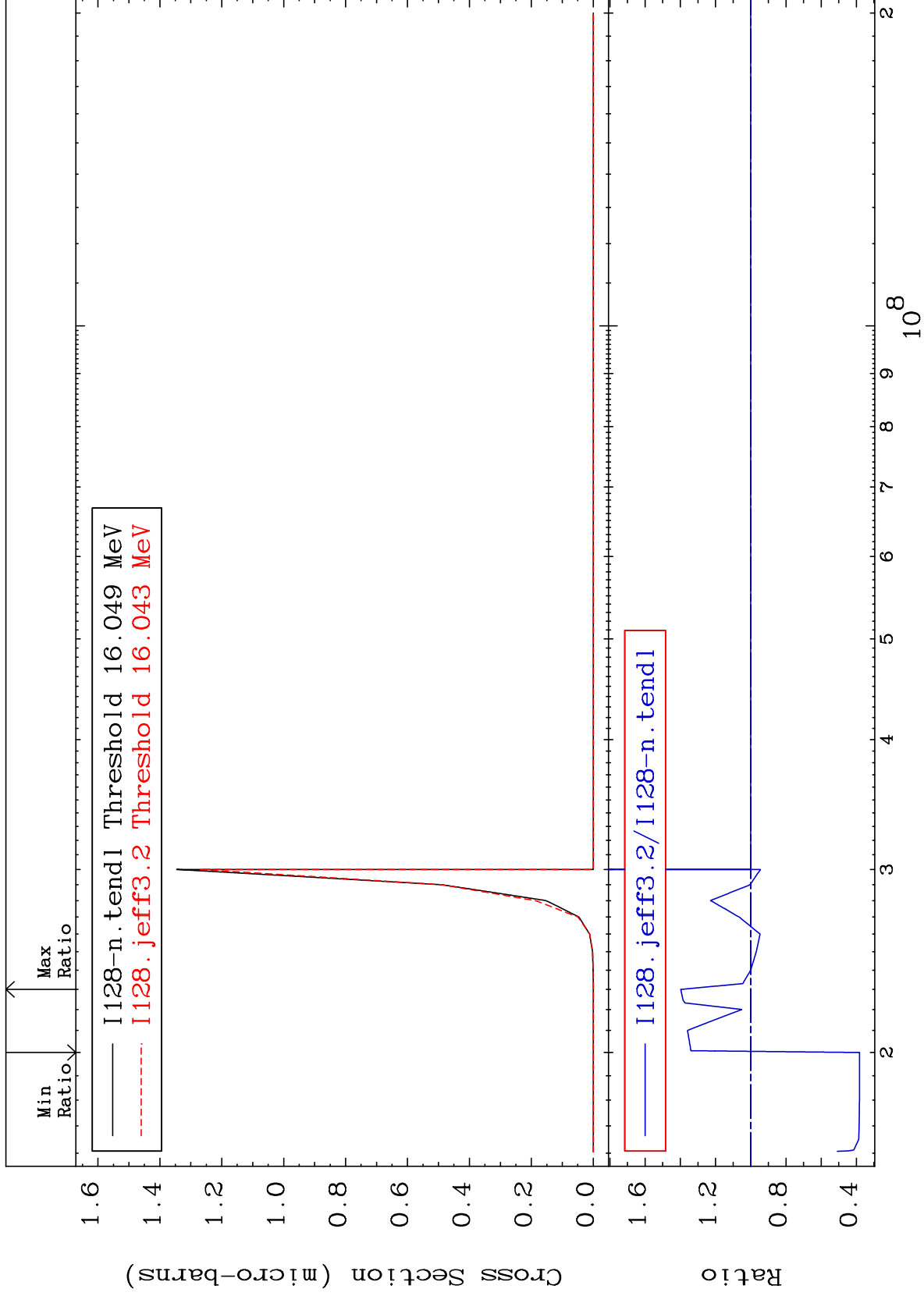


MAT 5328

(n,3n) p  
Cross Section

53-I -128  
-64.07 To 17.57 %

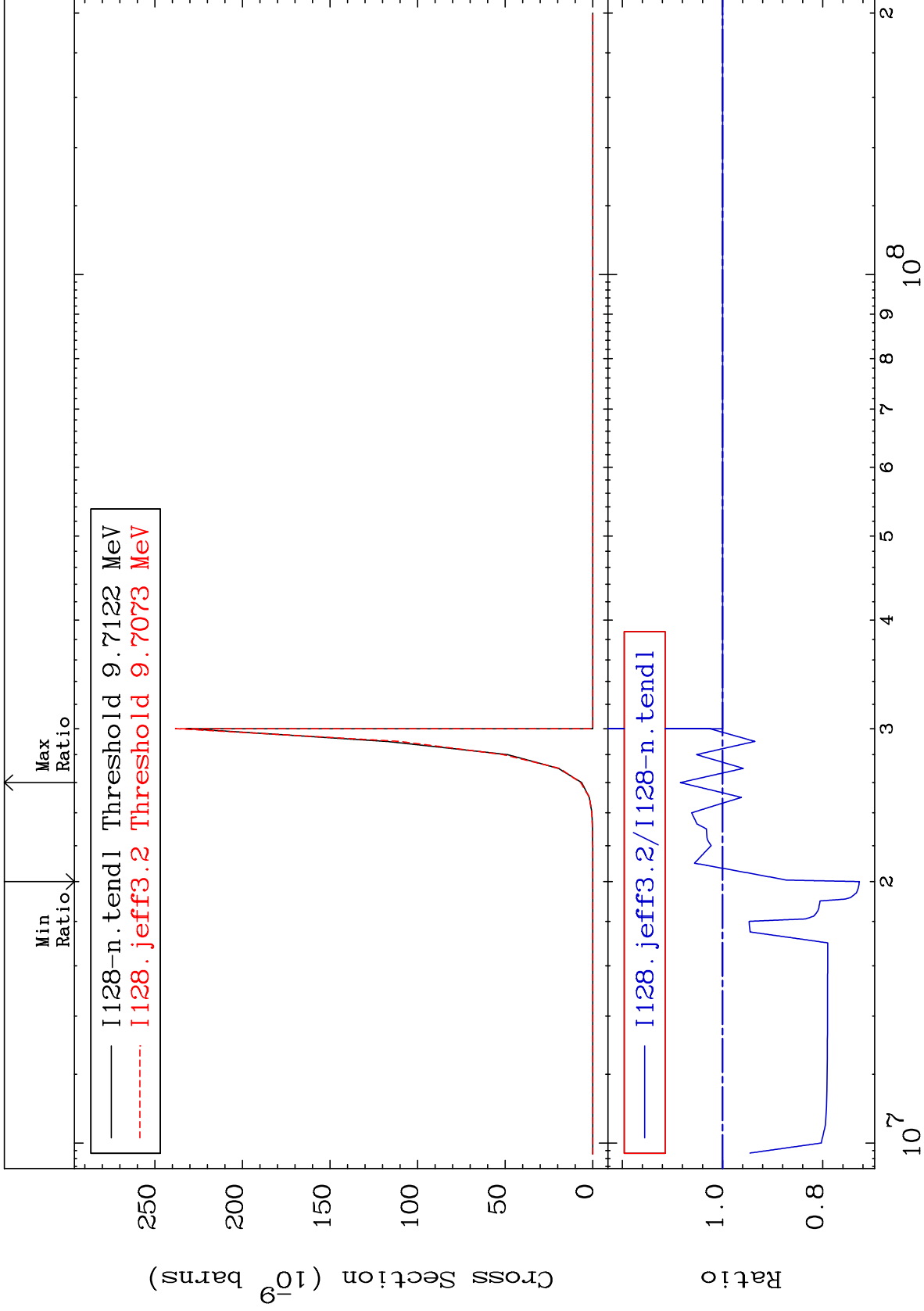




MAT 5328

(n,n') p  $\alpha$   
Cross Section

53-I -128  
-27.30 To 8.422 %



19

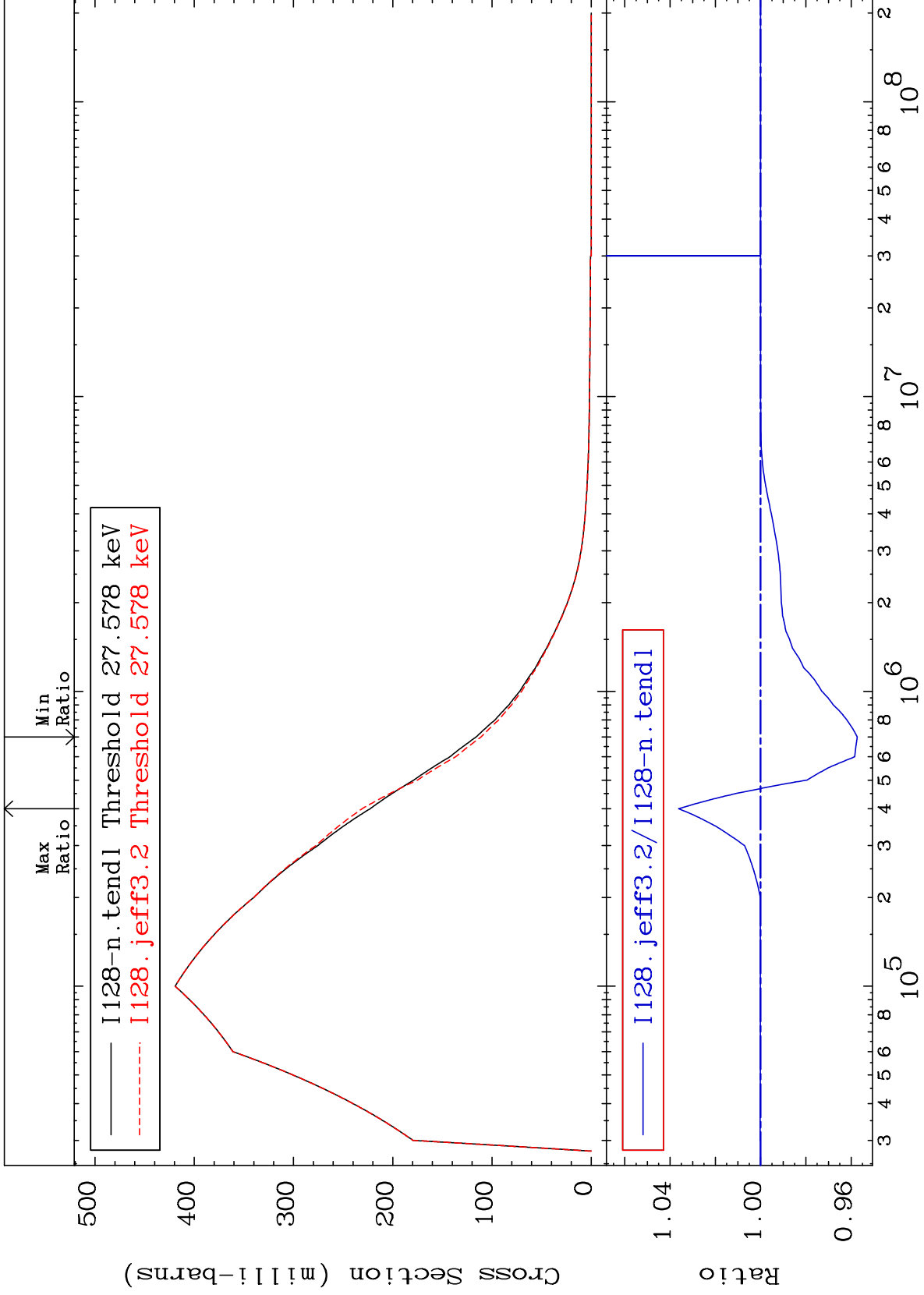
Incident Energy (eV)

53-I -128

MAT 5328

27.36 keV (n,n') Level  
Cross Section

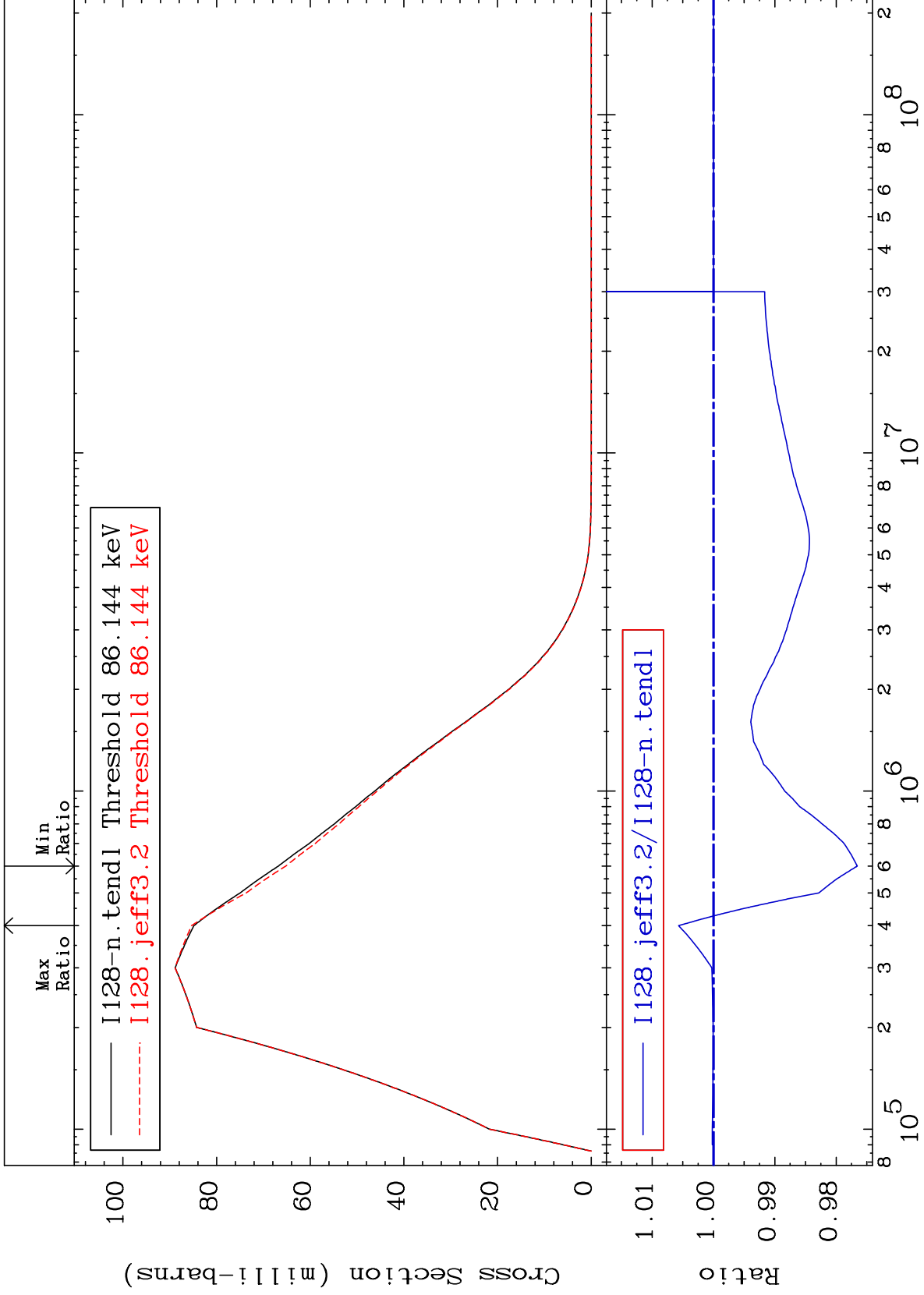
53-I -128  
-4.269 To 3.621 %



MAT 5328

85.47 keV (n,n') Level  
Cross Section

53-I -128  
-2.344 To 0.567 %



21

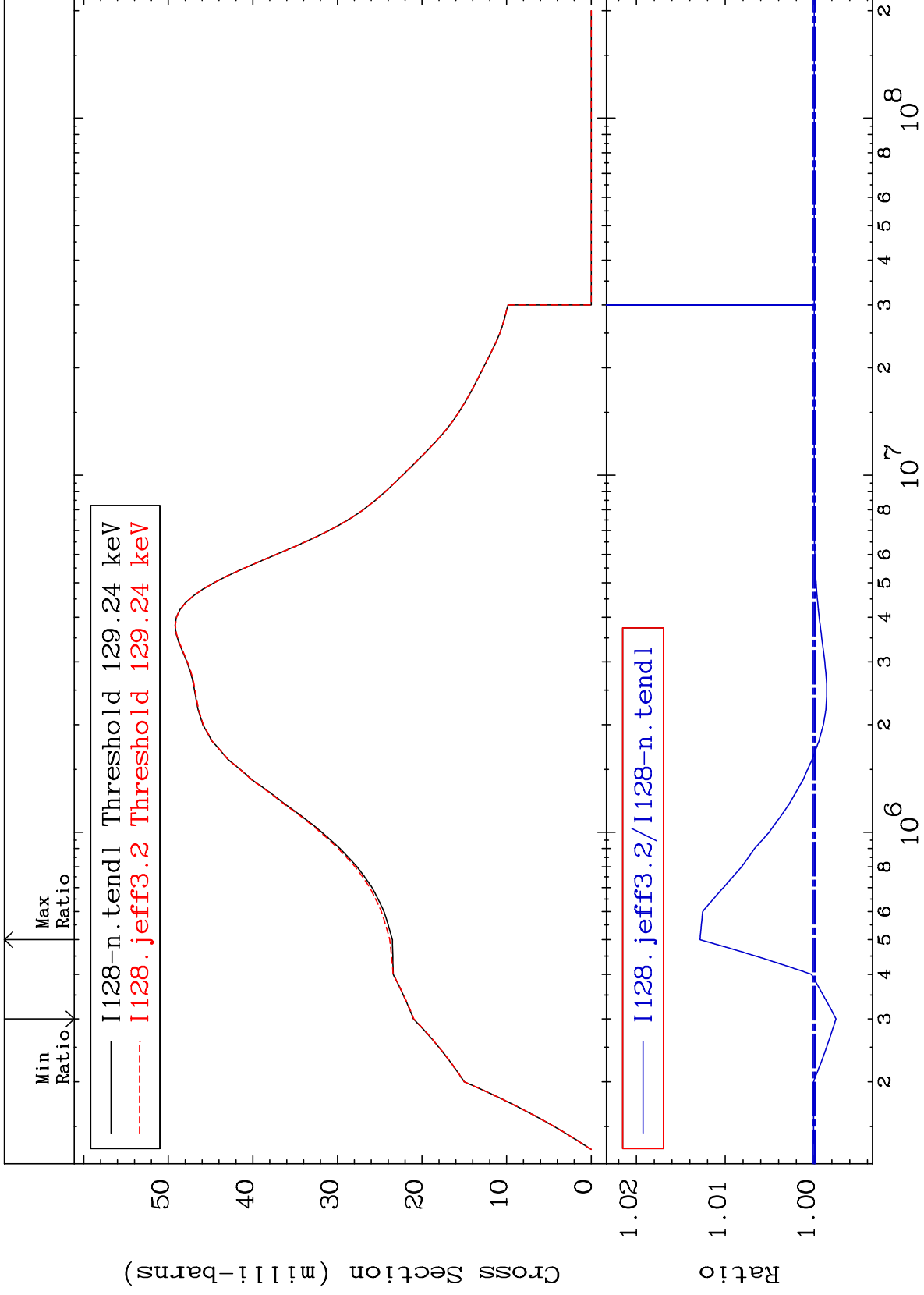
Incident Energy (eV)

53-I -128

MAT 5328

128.2 keV (n,n') Level  
Cross Section

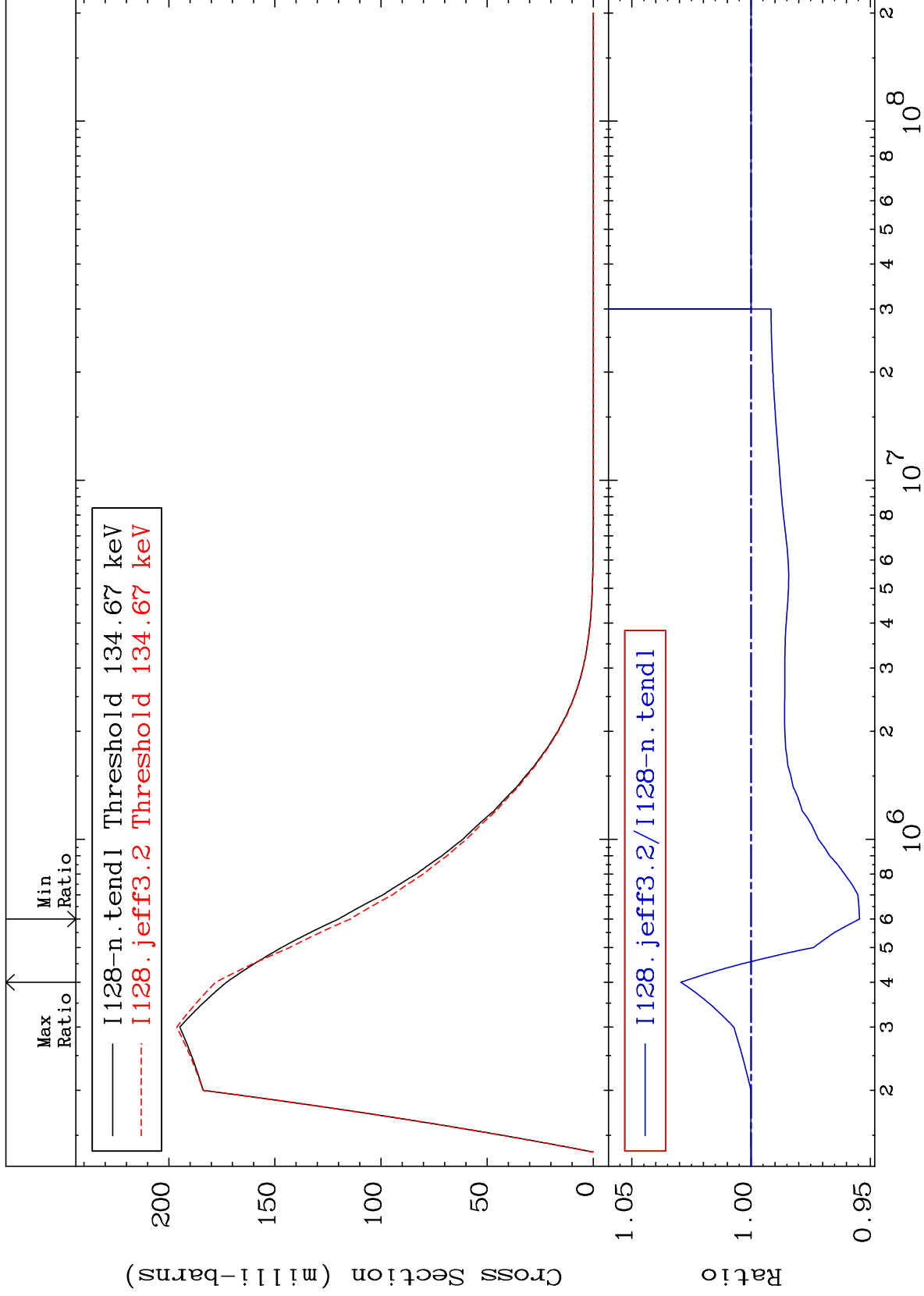
53-I -128  
-0.246 To 1.285 %



MAT 5328

133.6 keV (n,n') Level  
Cross Section

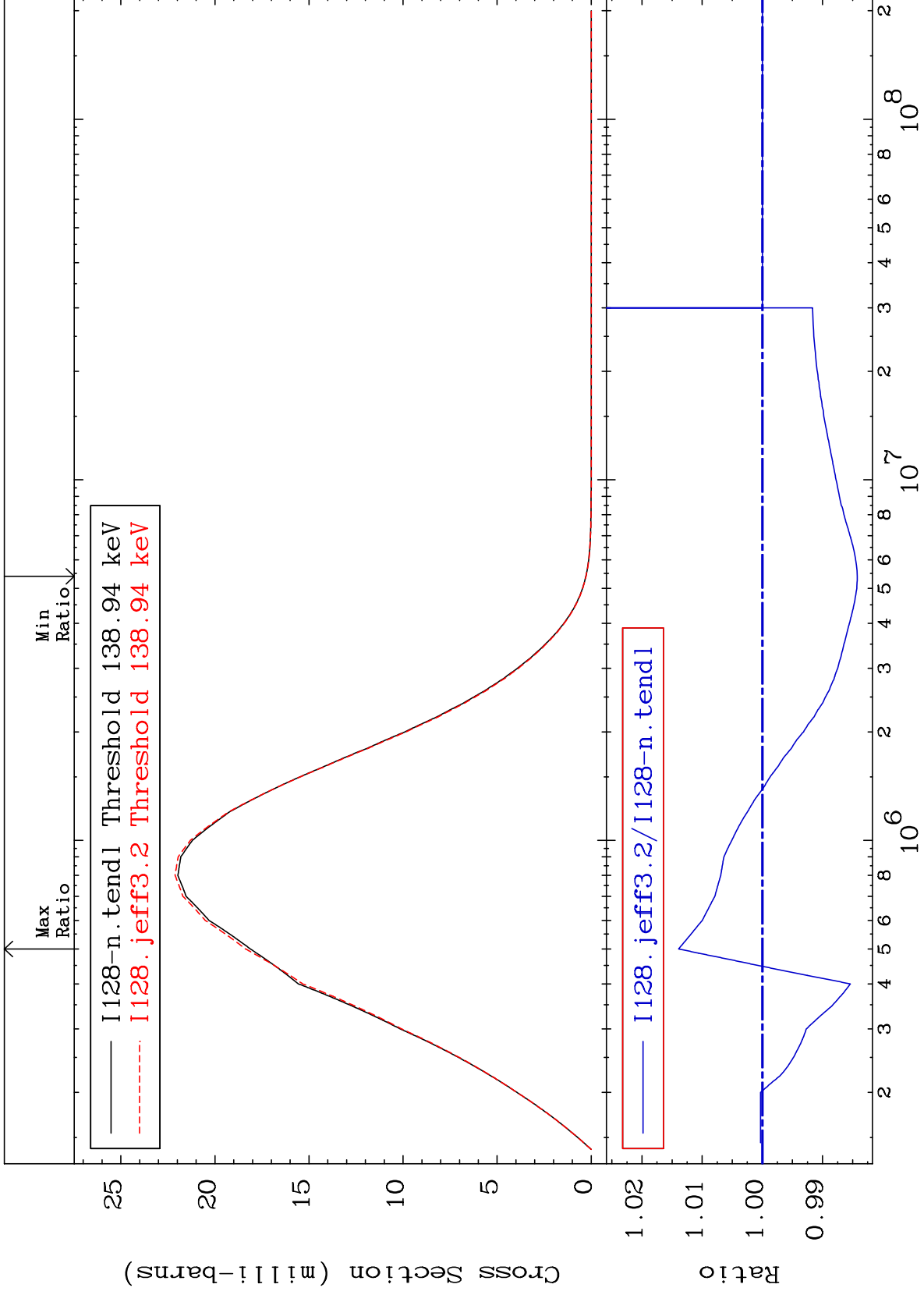
53-I -128  
-4.549 To 2.950 %



MAT 5328

137.9 keV (n,n') Level  
Cross Section

53-I -128  
-1.577 To 1.391 %

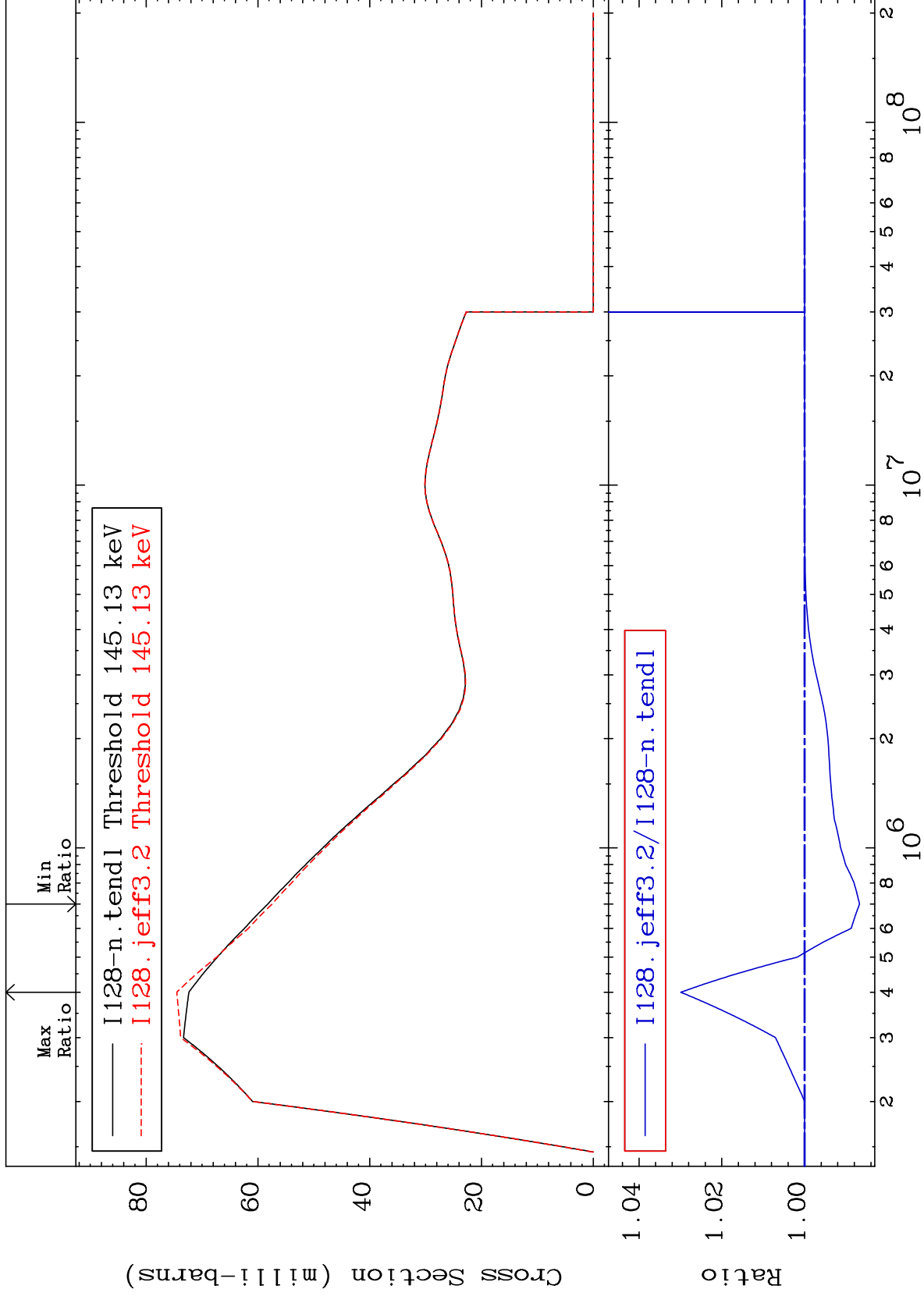




MAT 5328

144.0 keV (n,n') Level  
Cross Section

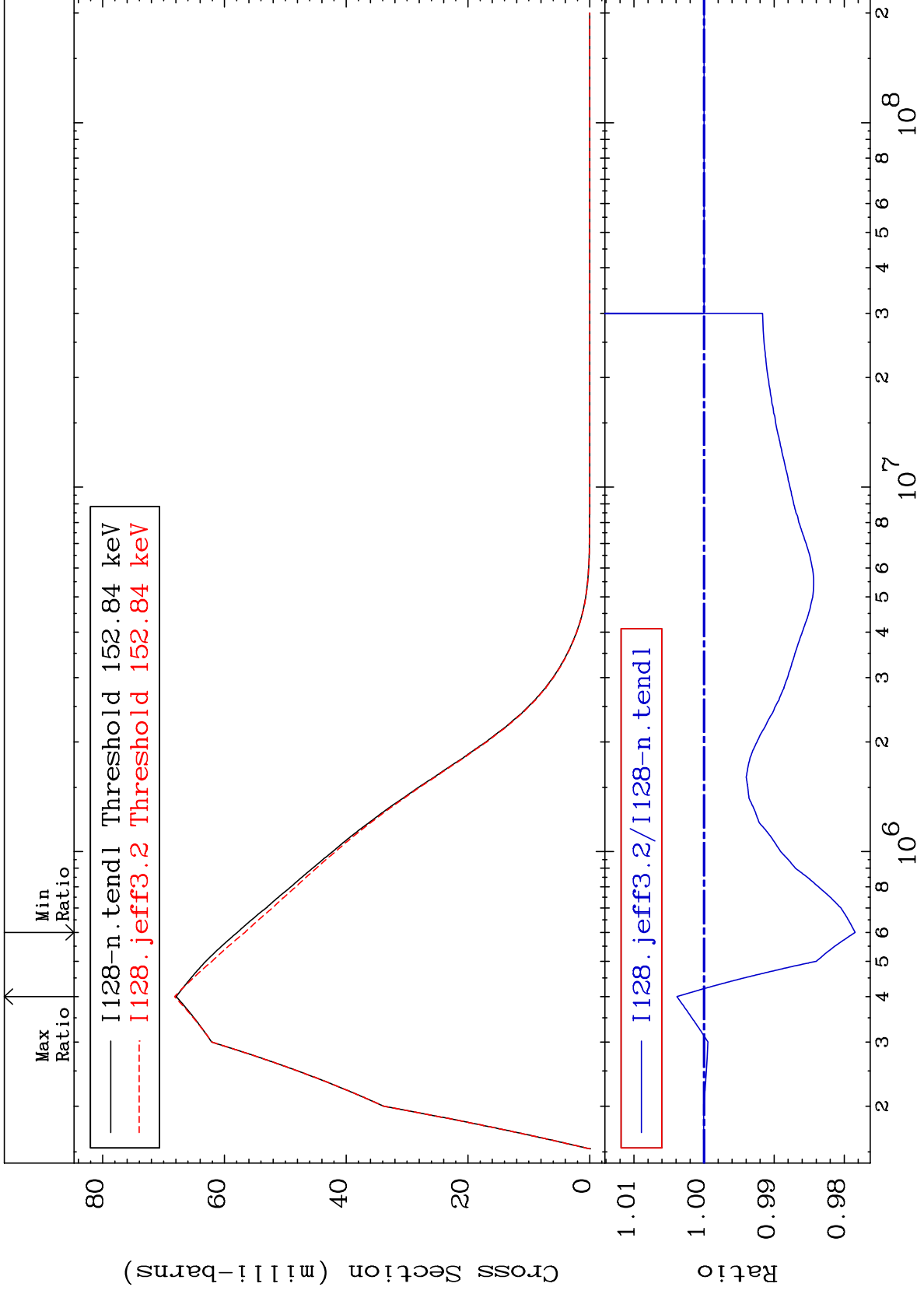
53-I -128  
-1.326 To 2.992 %



MAT 5328

151.6 keV (n,n') Level  
Cross Section

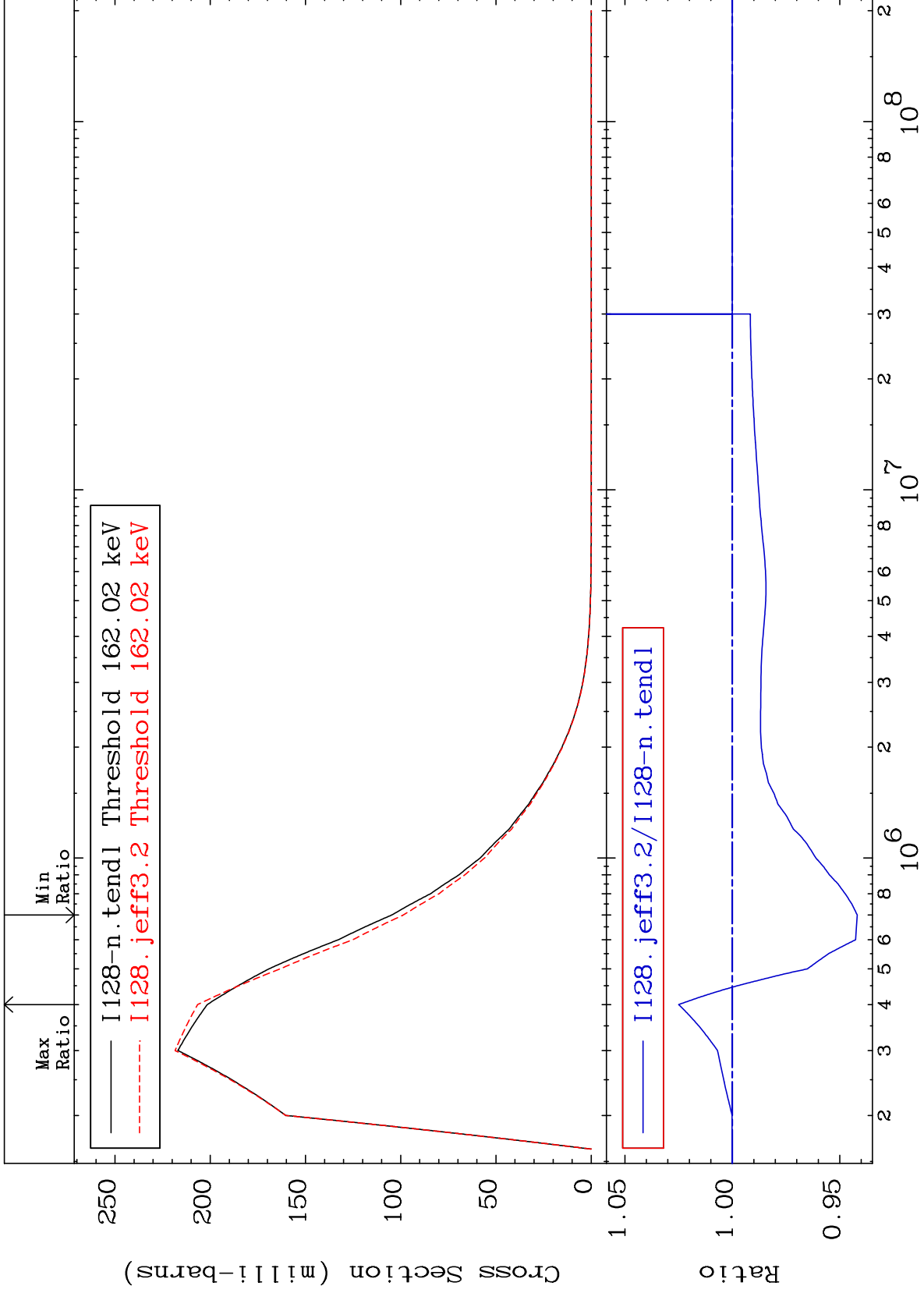
53-I -128  
-2.155 To 0.388 %



MAT 5328

160.8 keV (n,n') Level  
Cross Section

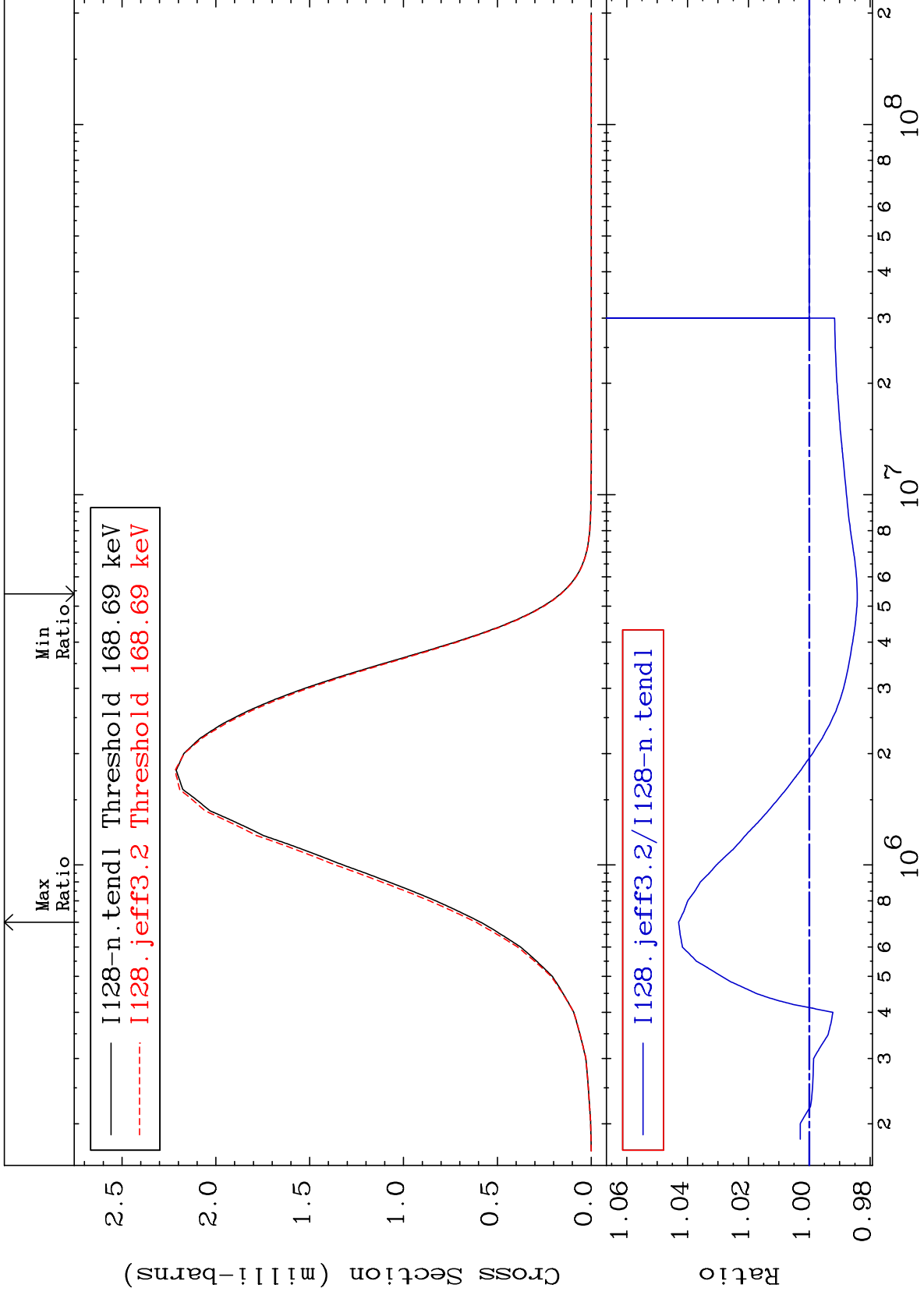
53-I -128  
-5.815 To 2.499 %



MAT 5328

167.4 keV (n,n') Level  
Cross Section

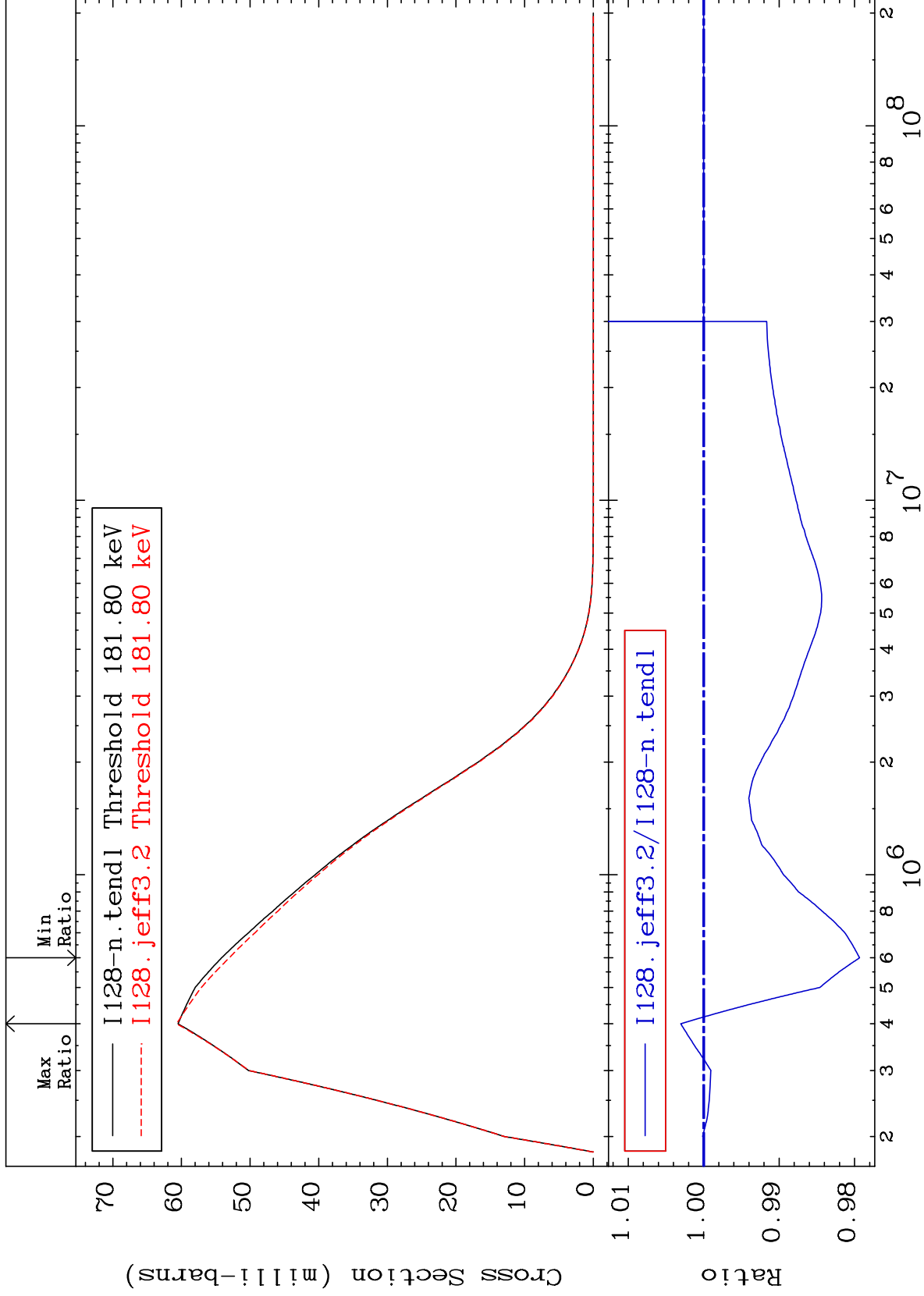
53-I -128  
-1.579 To 4.294 %

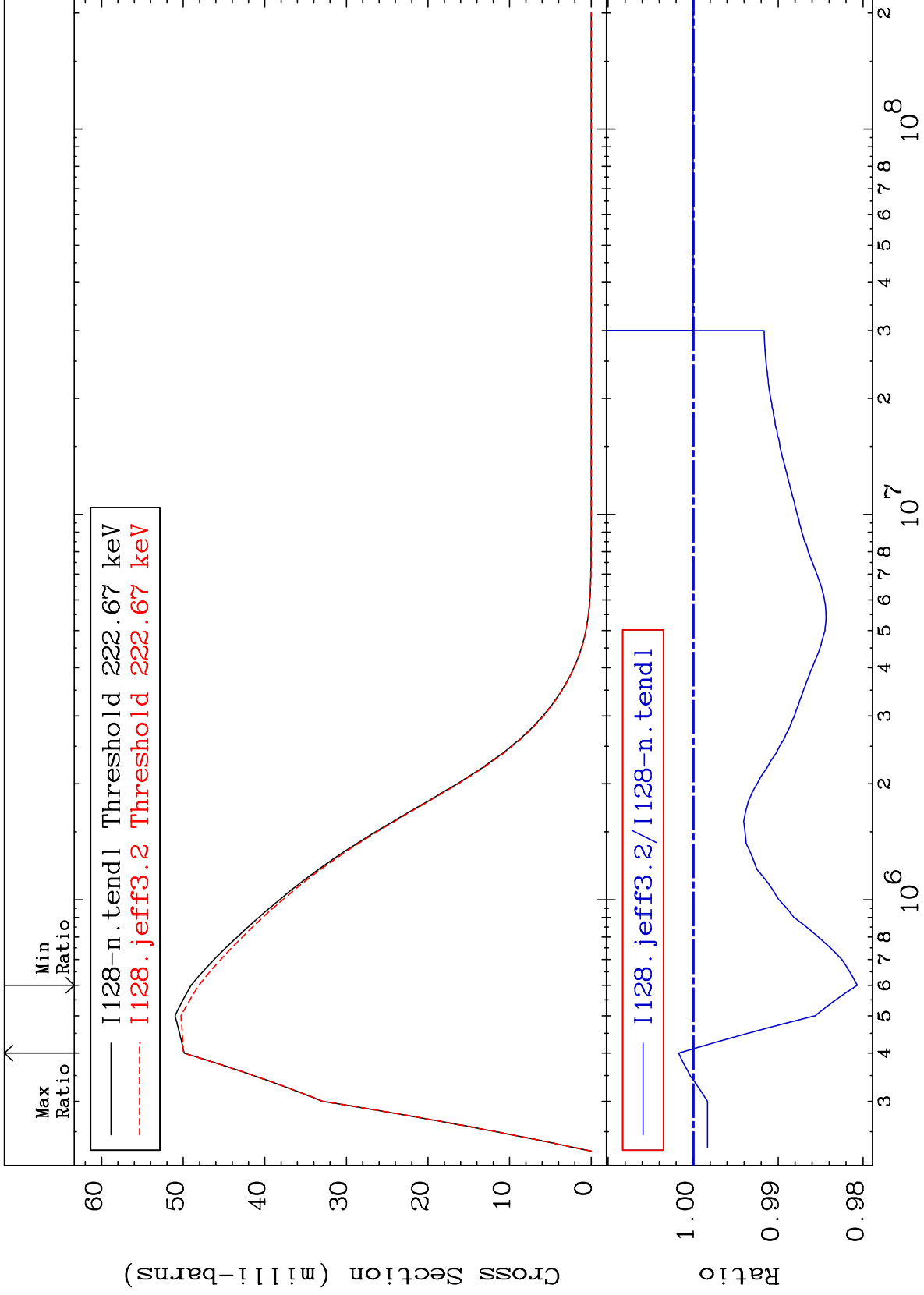


MAT 5328

180.4 keV (n,n') Level  
Cross Section

53-I -128  
-2.066 To 0.304 %

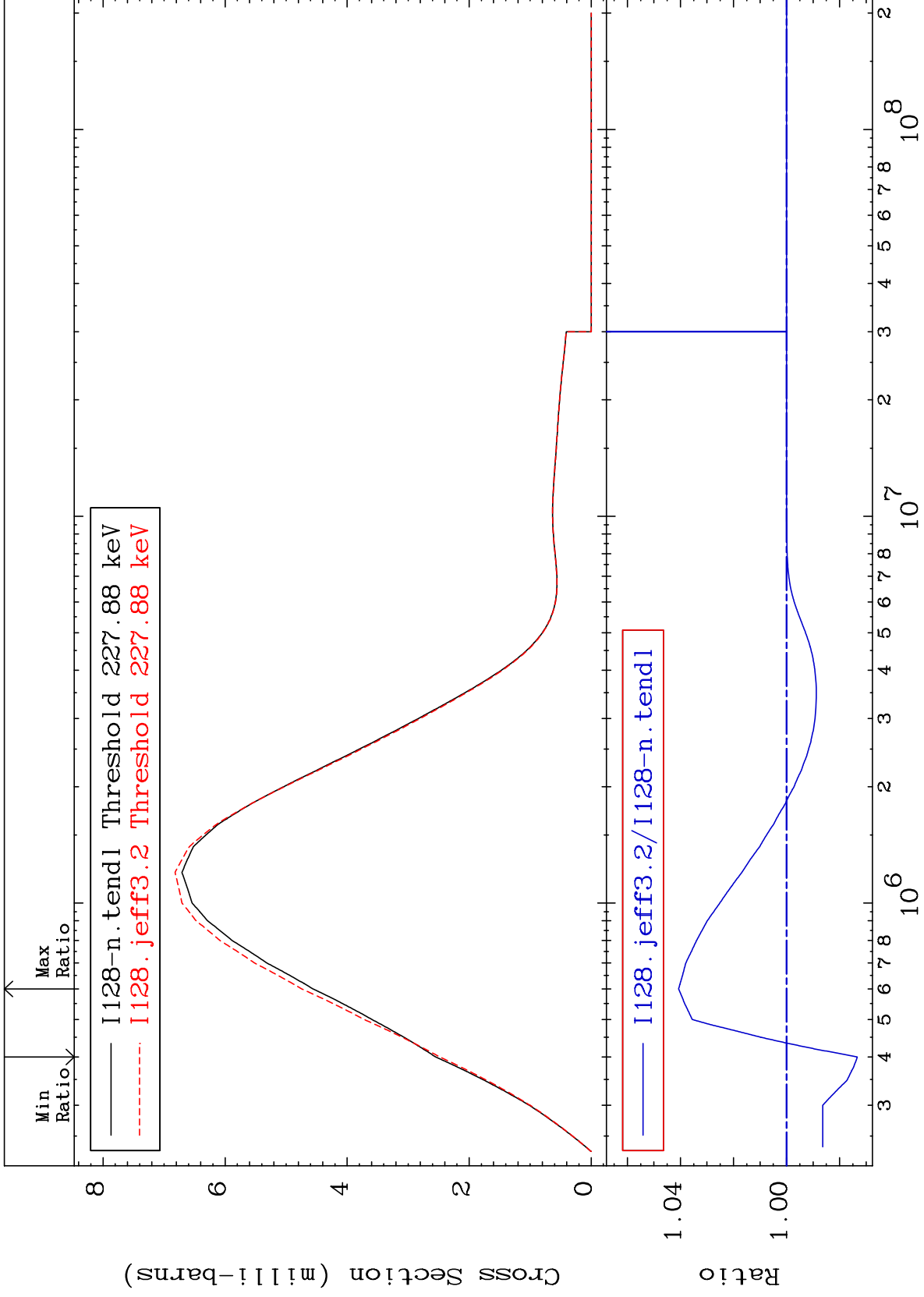




MAT 5328

226.1 keV (n,n') Level  
Cross Section

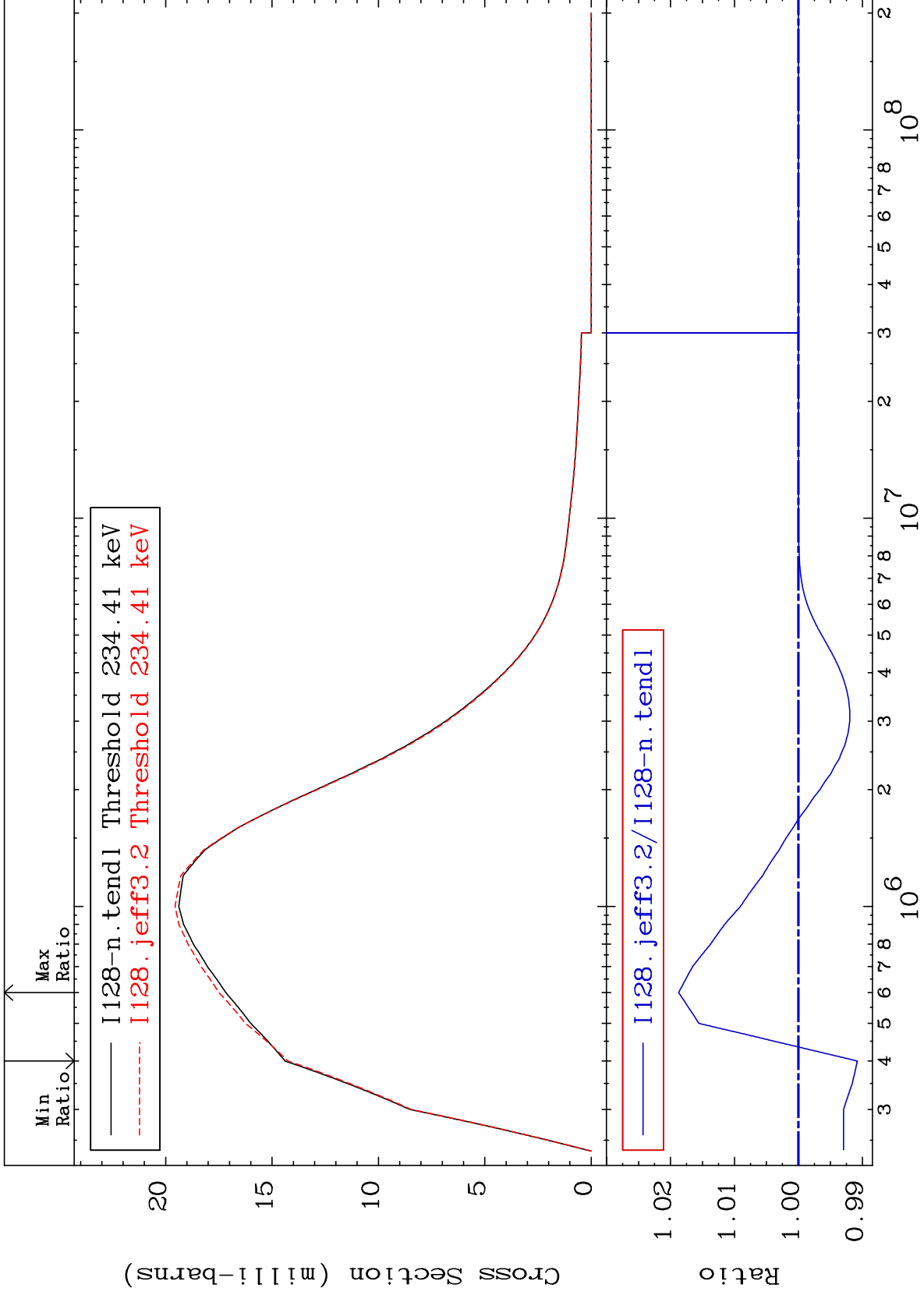
53-I -128  
-2.665 To 4.068 %



31

Incident Energy (eV)

53-I -128

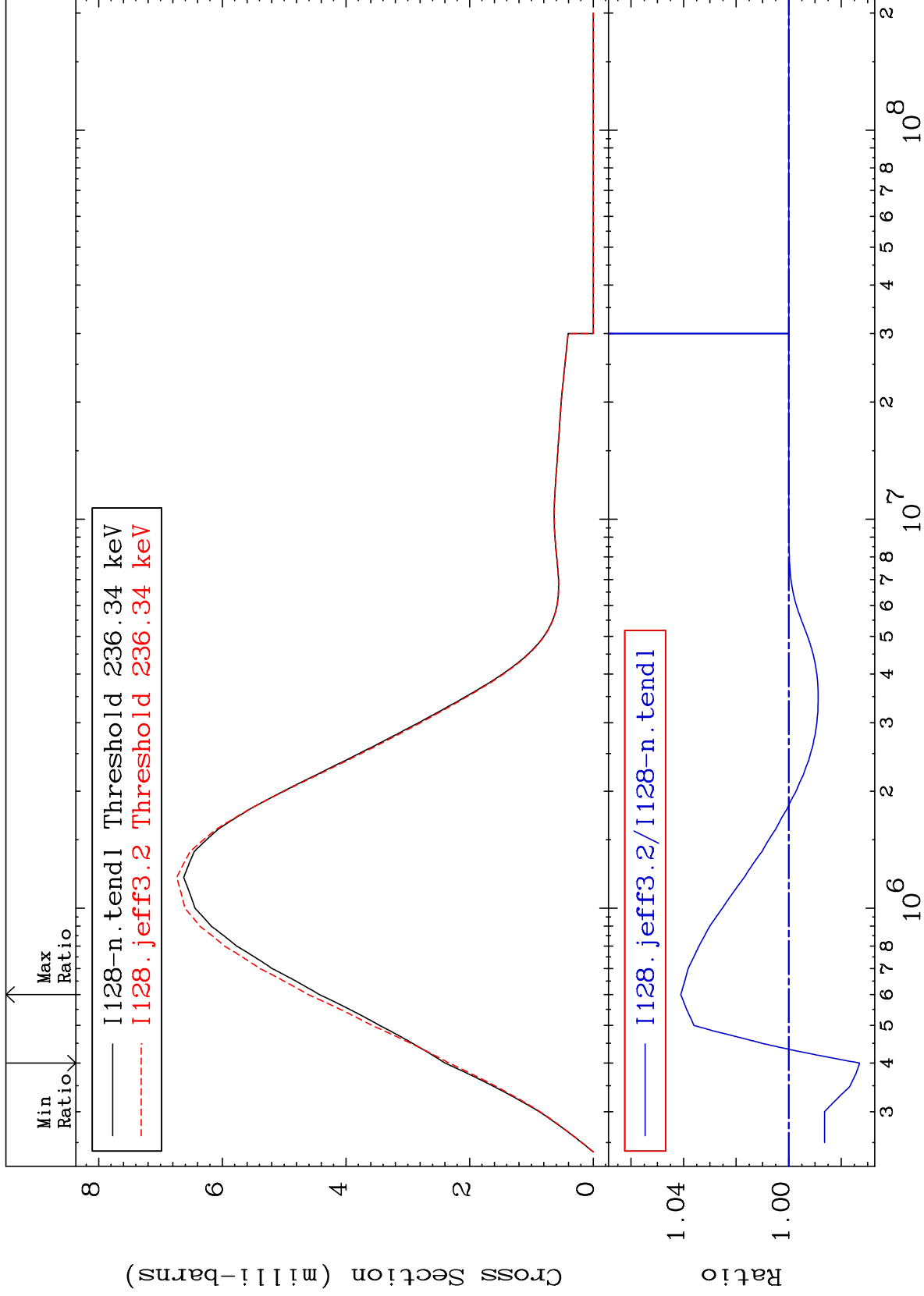




MAT 5328

234.5 keV (n,n') Level  
Cross Section

53-I -128  
-2.695 To 4.108 %



33

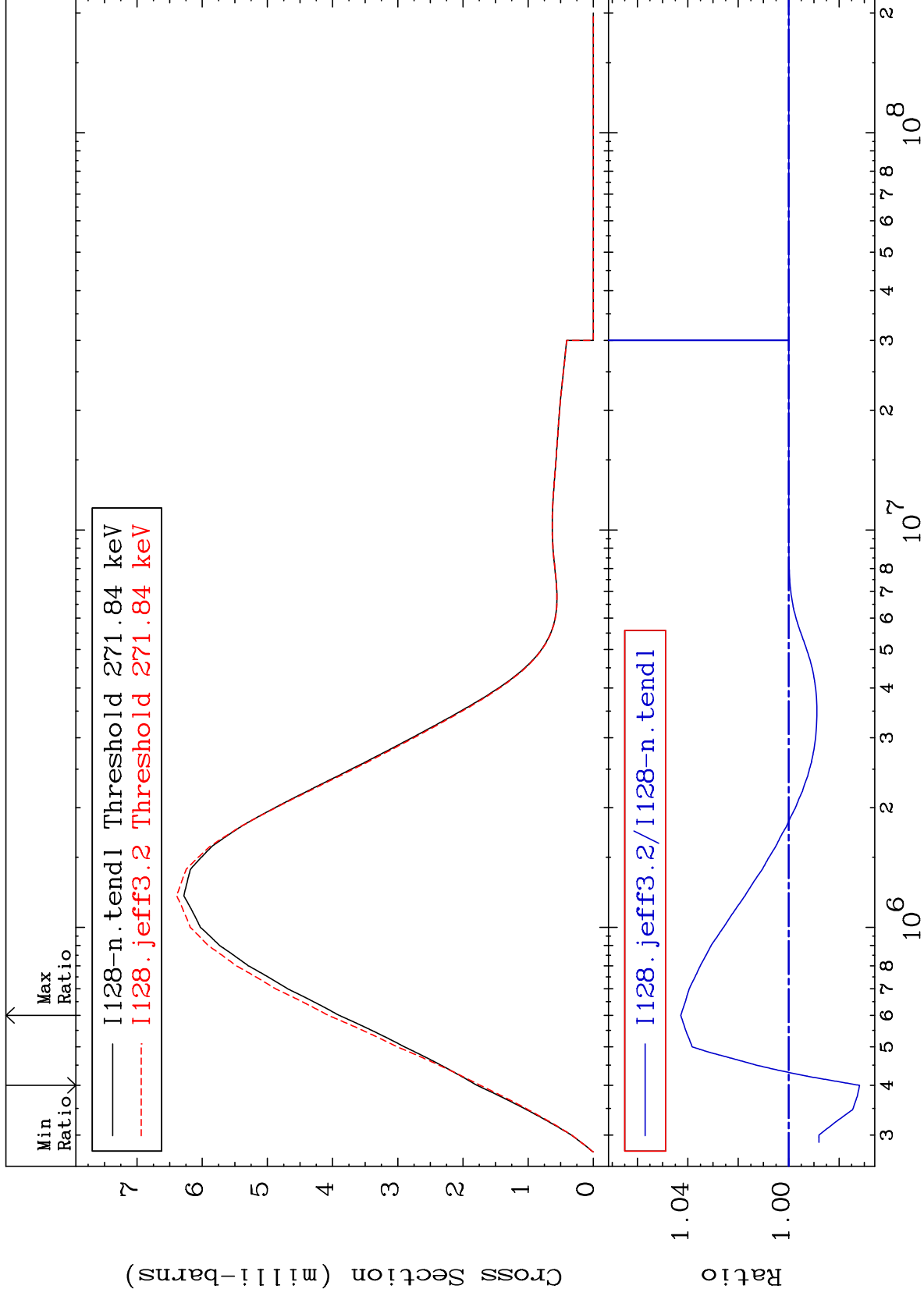
Incident Energy (eV)

53-I -128

MAT 5328

269.7 keV (n,n') Level  
Cross Section

53-I -128  
-2.812 To 4.280 %



34

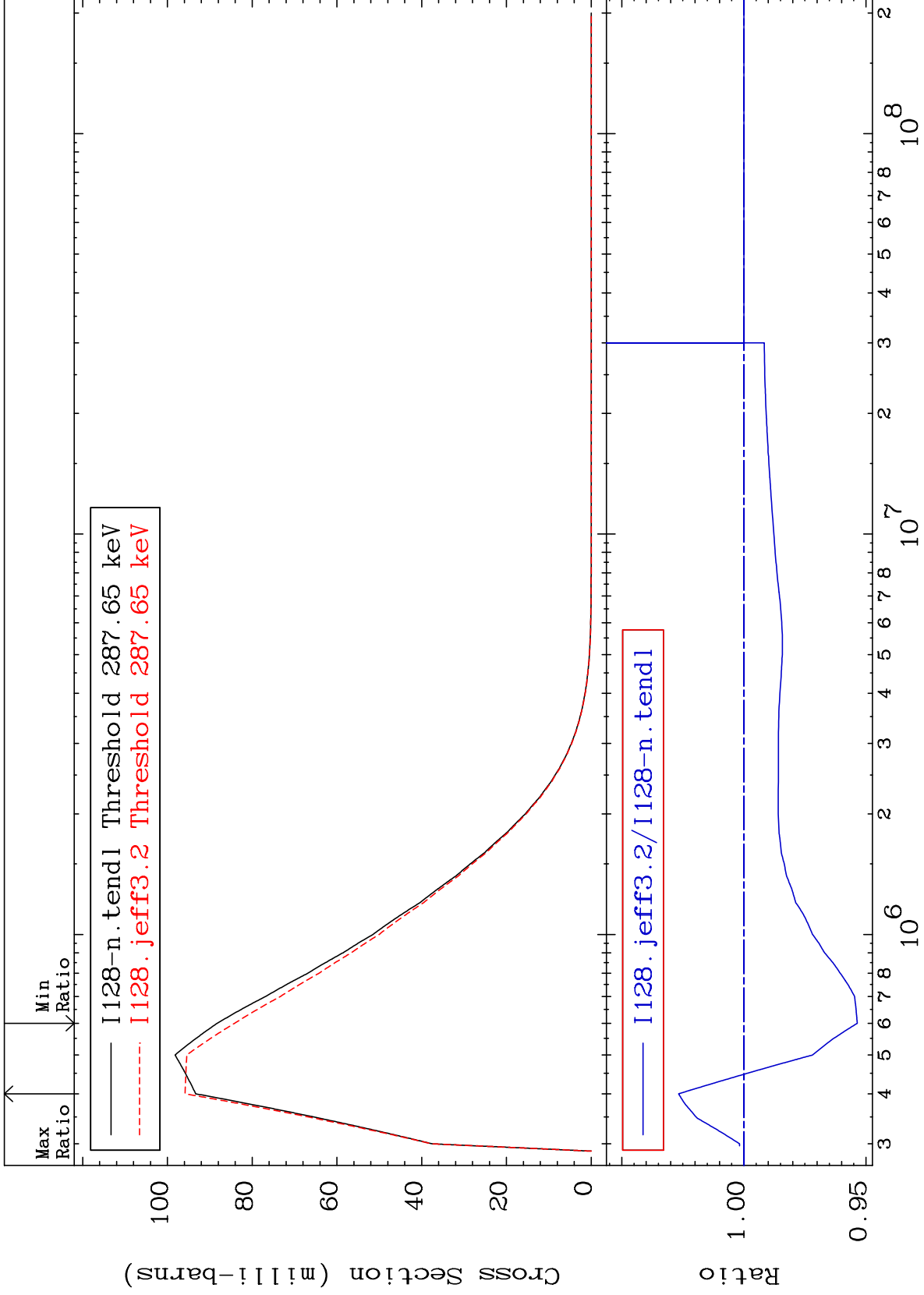
Incident Energy (eV)

53-I -128

MAT 5328

285.4 keV (n,n') Level  
Cross Section

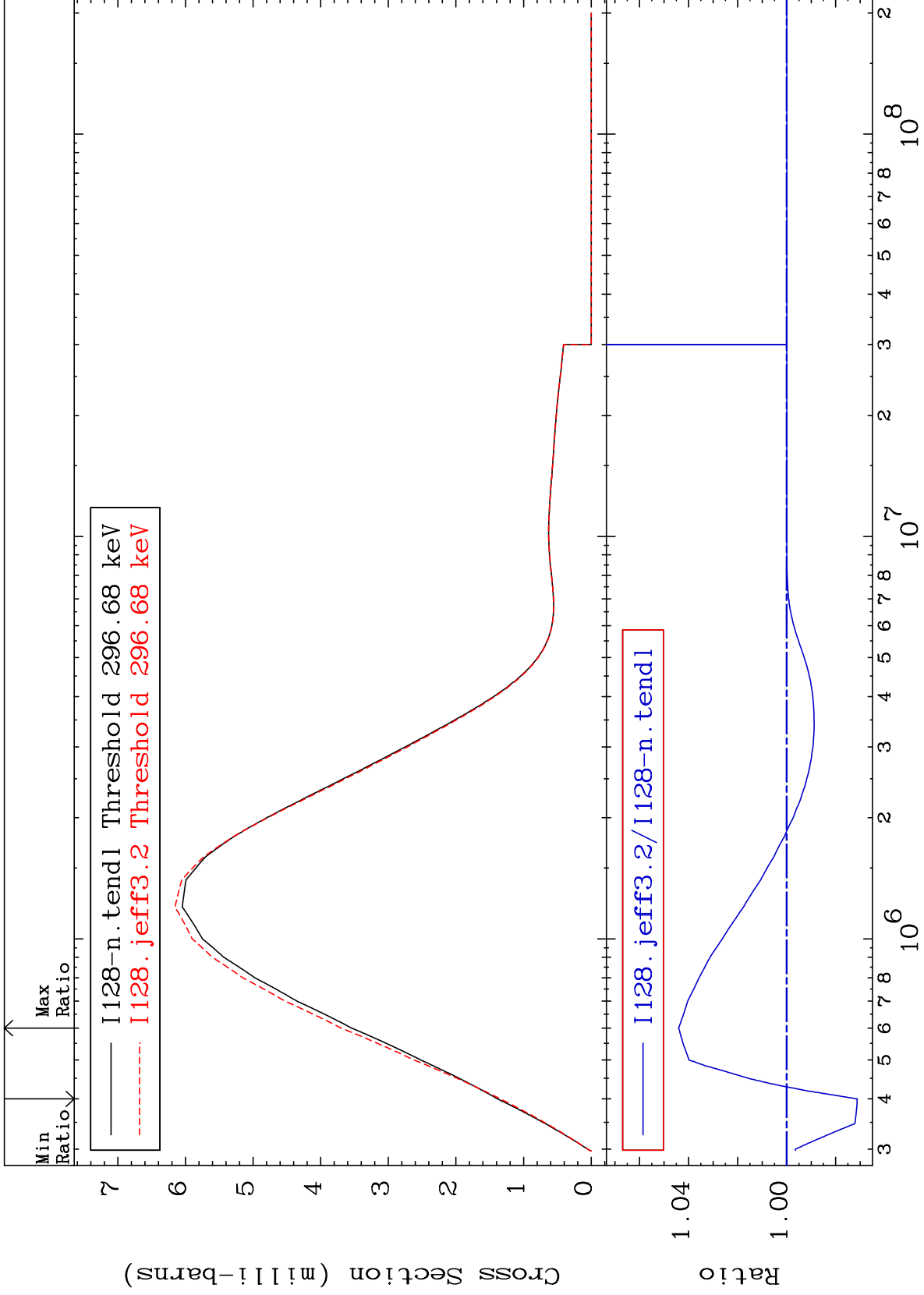
53-I -128  
-4.642 To 2.672 %



35

Incident Energy (eV)

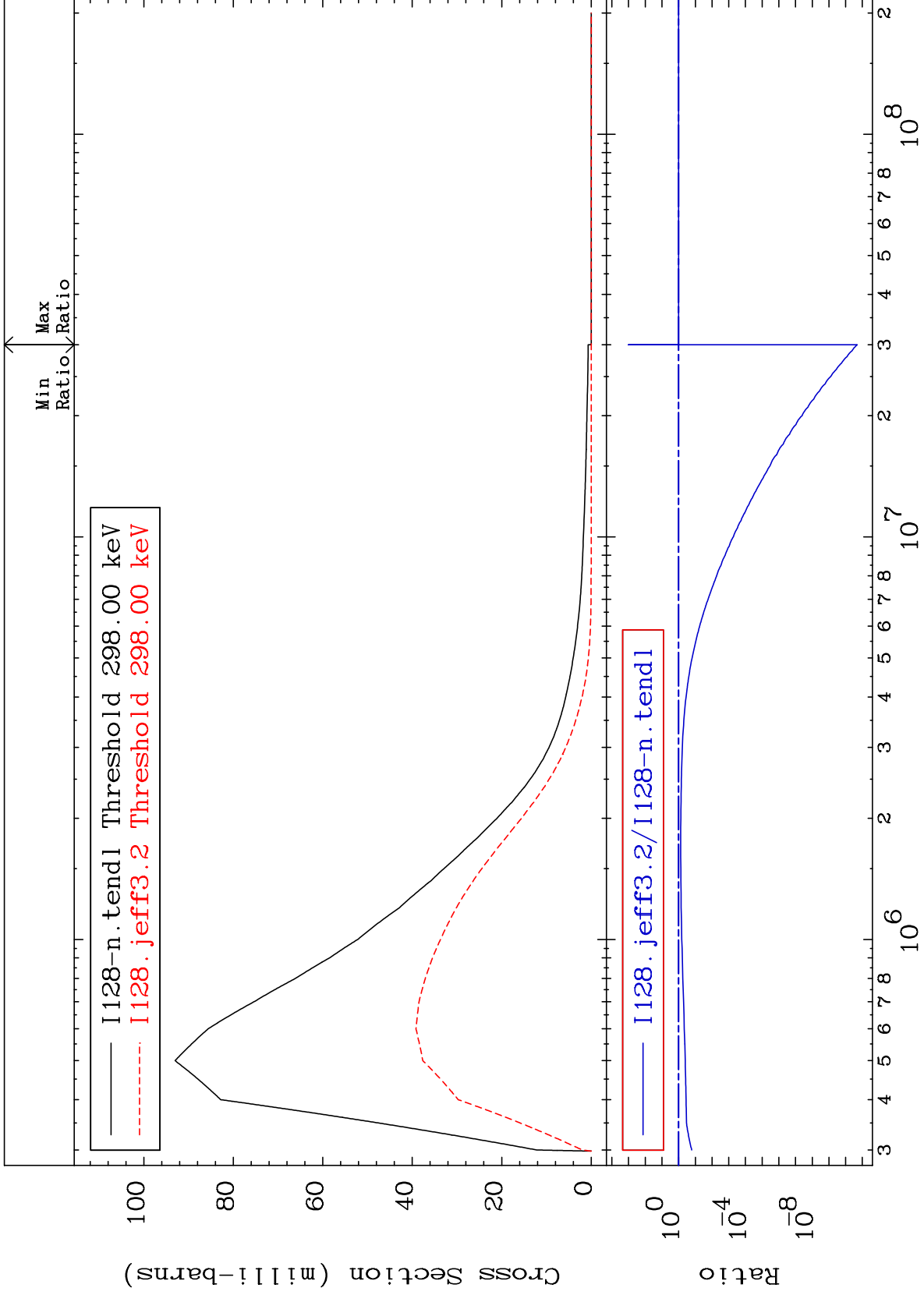
53-I -128



MAT 5328

295.7 keV (n,n') Level  
Cross Section

53-I -128  
-100.0 To 0.000 %



37

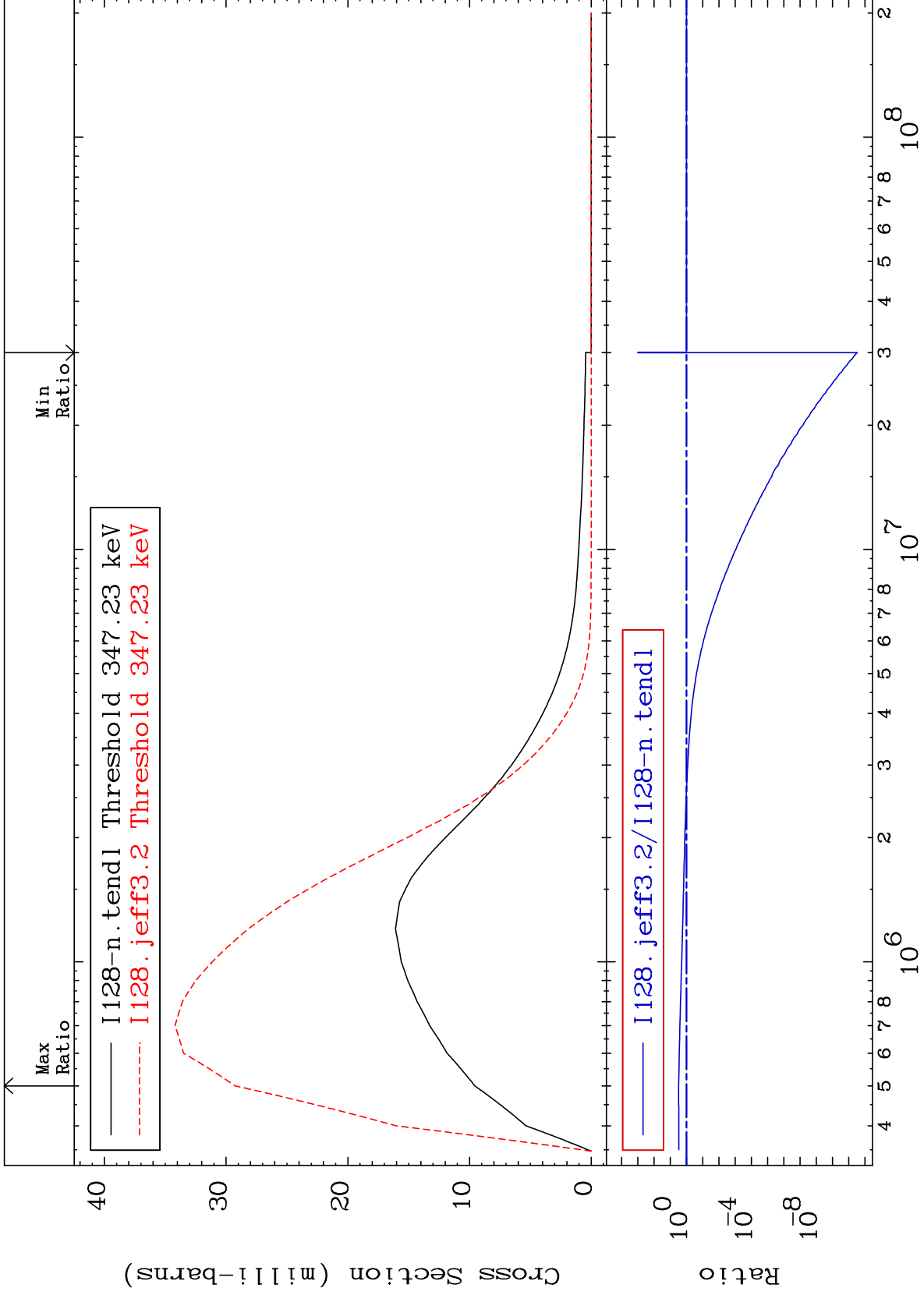
Incident Energy (eV)

53-I -128

MAT 5328

344.5 keV (n,n') Level  
Cross Section

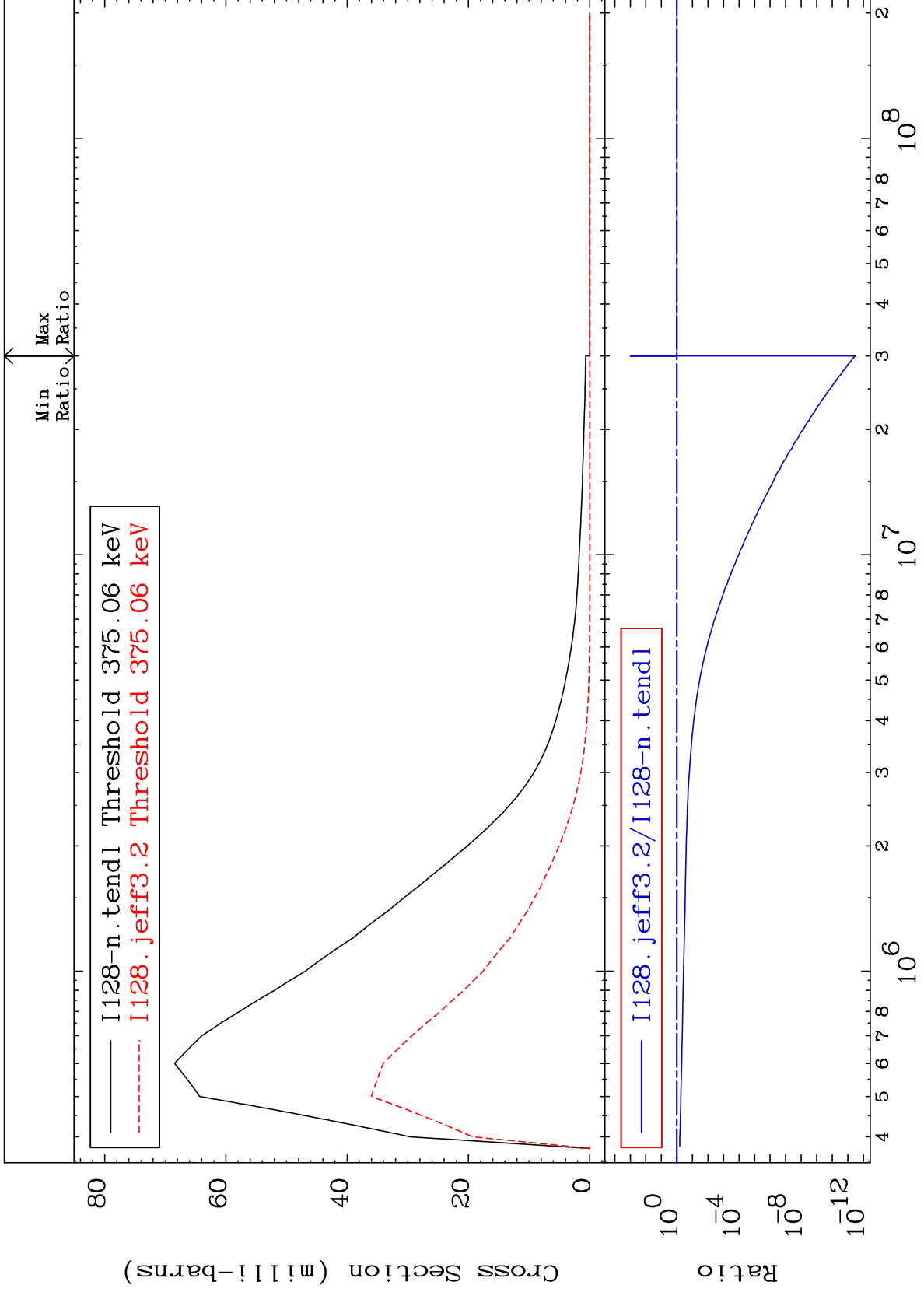
53-I -128  
-100.0 To 205.9 %



MAT 5328

372.1 keV (n,n') Level  
Cross Section

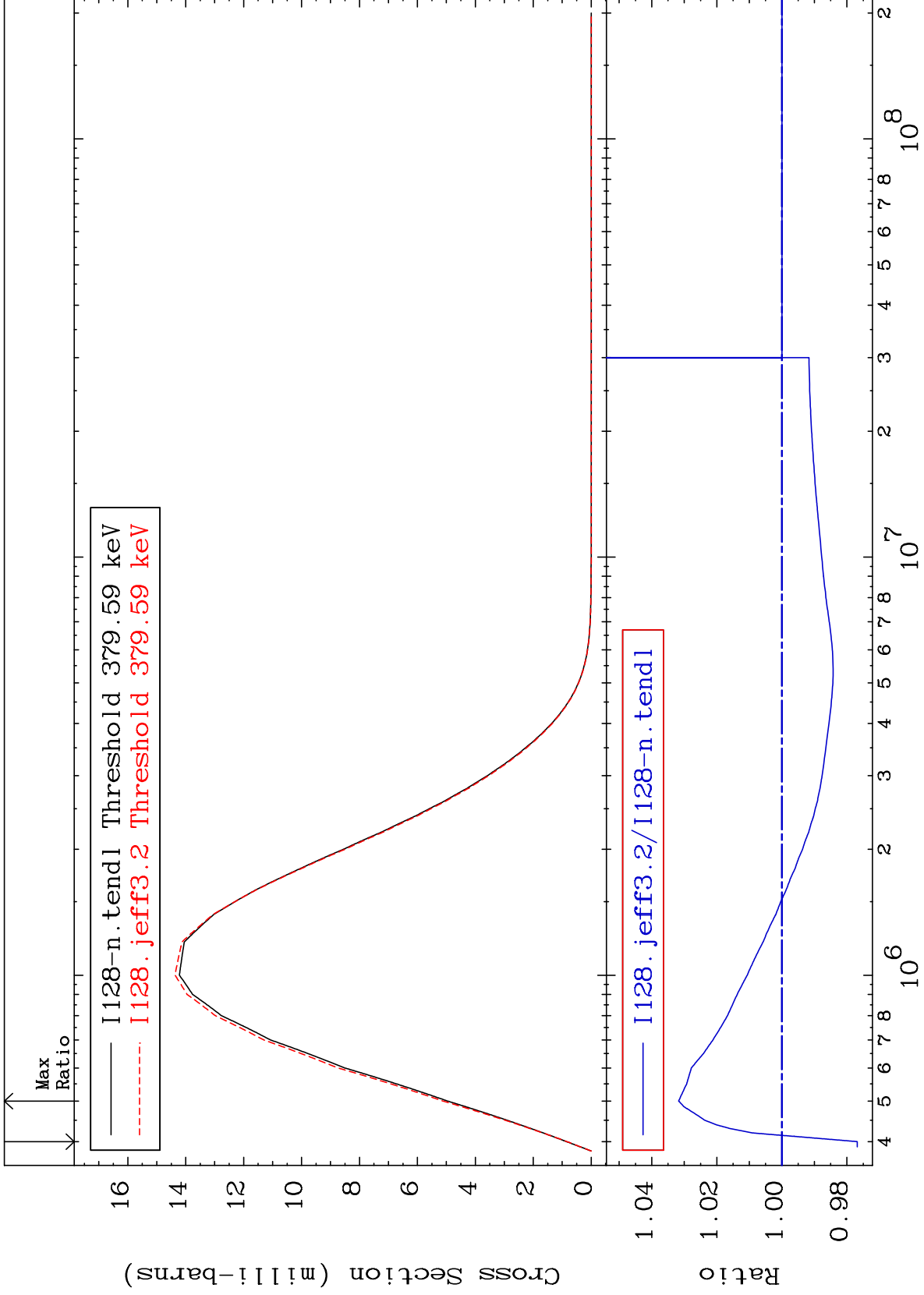
53-I -128  
-100.0 To 0.000 %



MAT 5328

376.6 keV (n,n') Level  
Cross Section

53-I -128  
-2.317 To 3.173 %

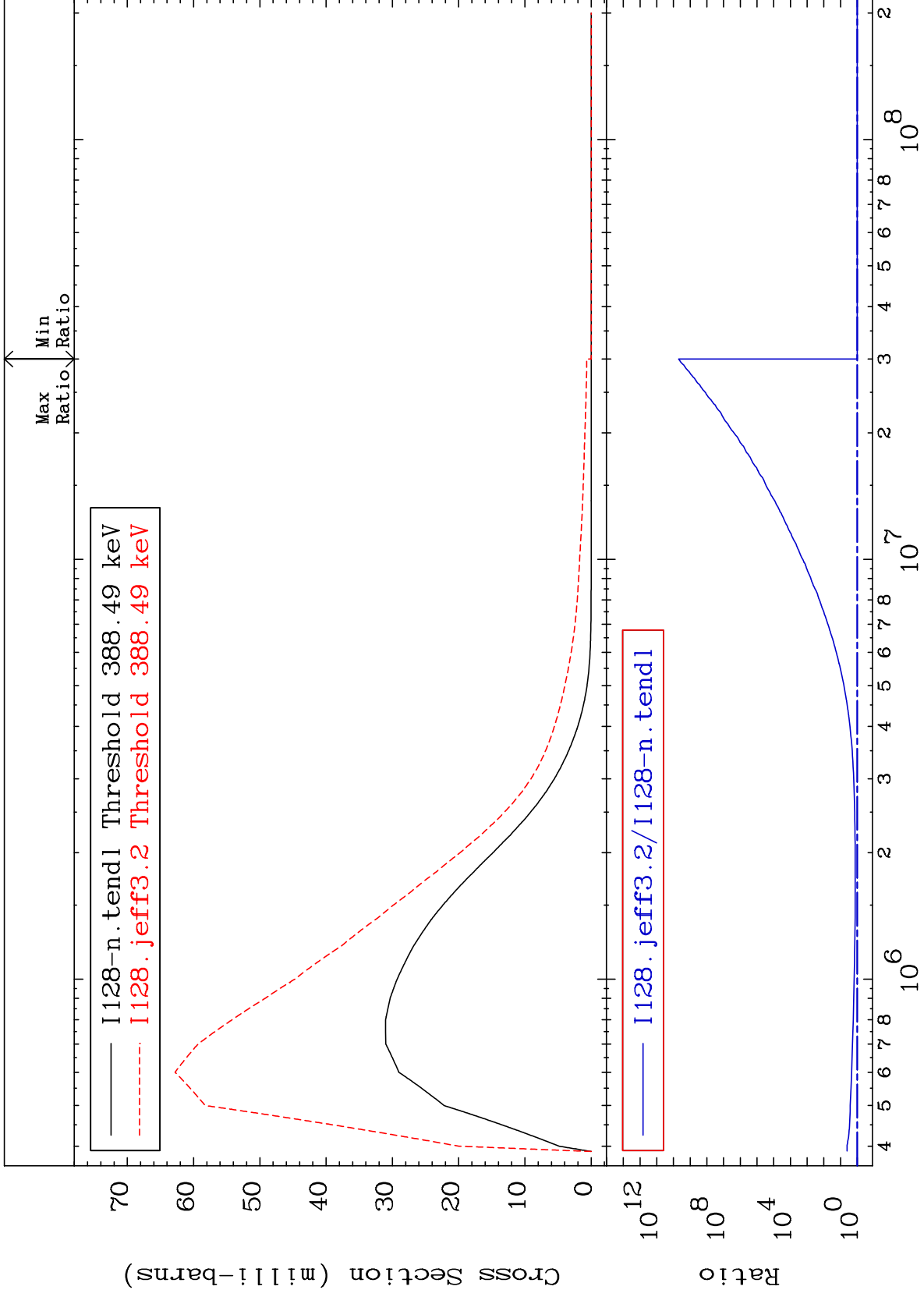




MAT 5328

385.4 keV (n,n') Level  
Cross Section

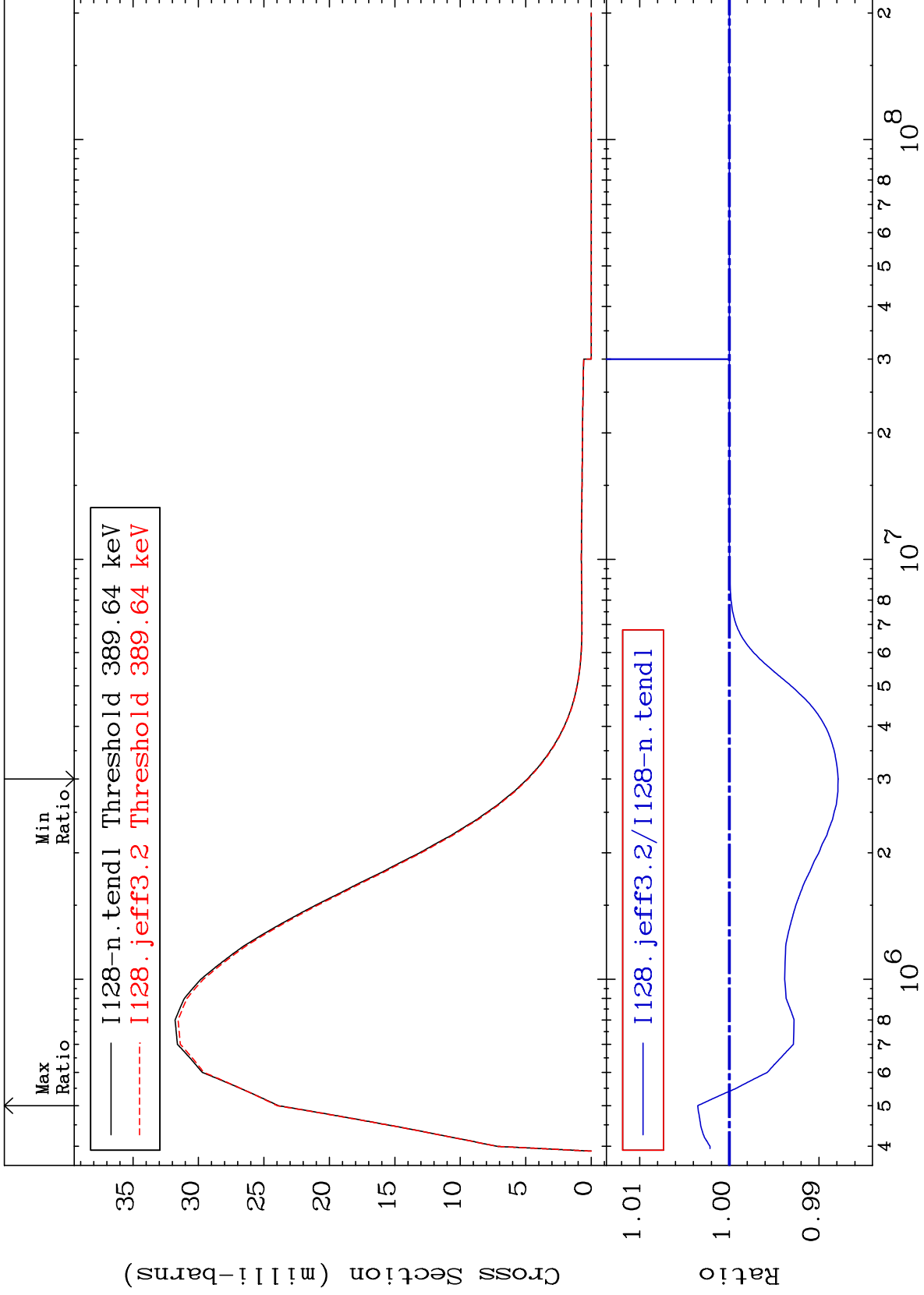
53-I -128  
To 9999. %



MAT 5328

386.6 keV (n,n') Level  
Cross Section

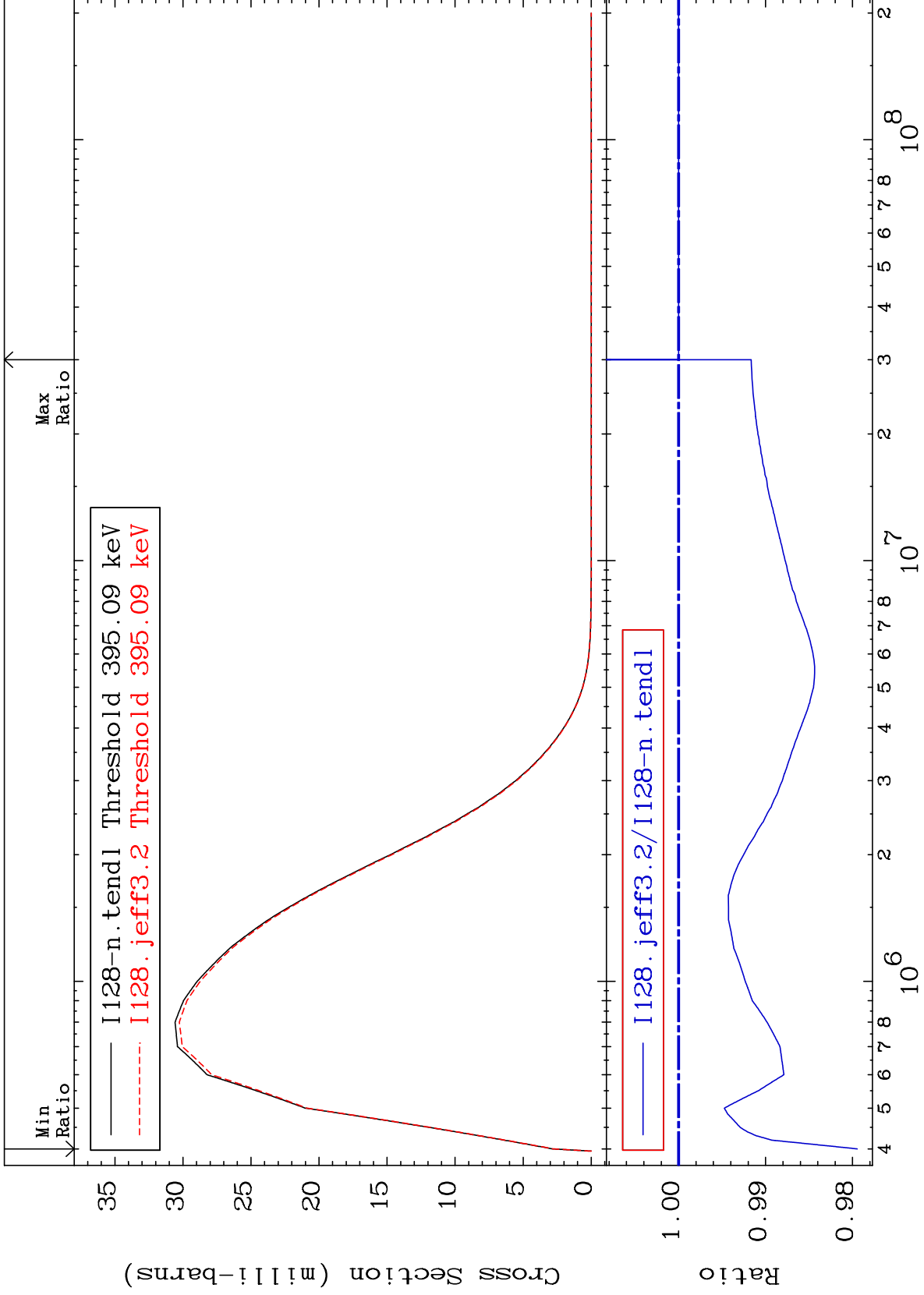
53-I -128  
-1.213 To 0.351 %



MAT 5328

392.0 keV (n,n') Level  
Cross Section

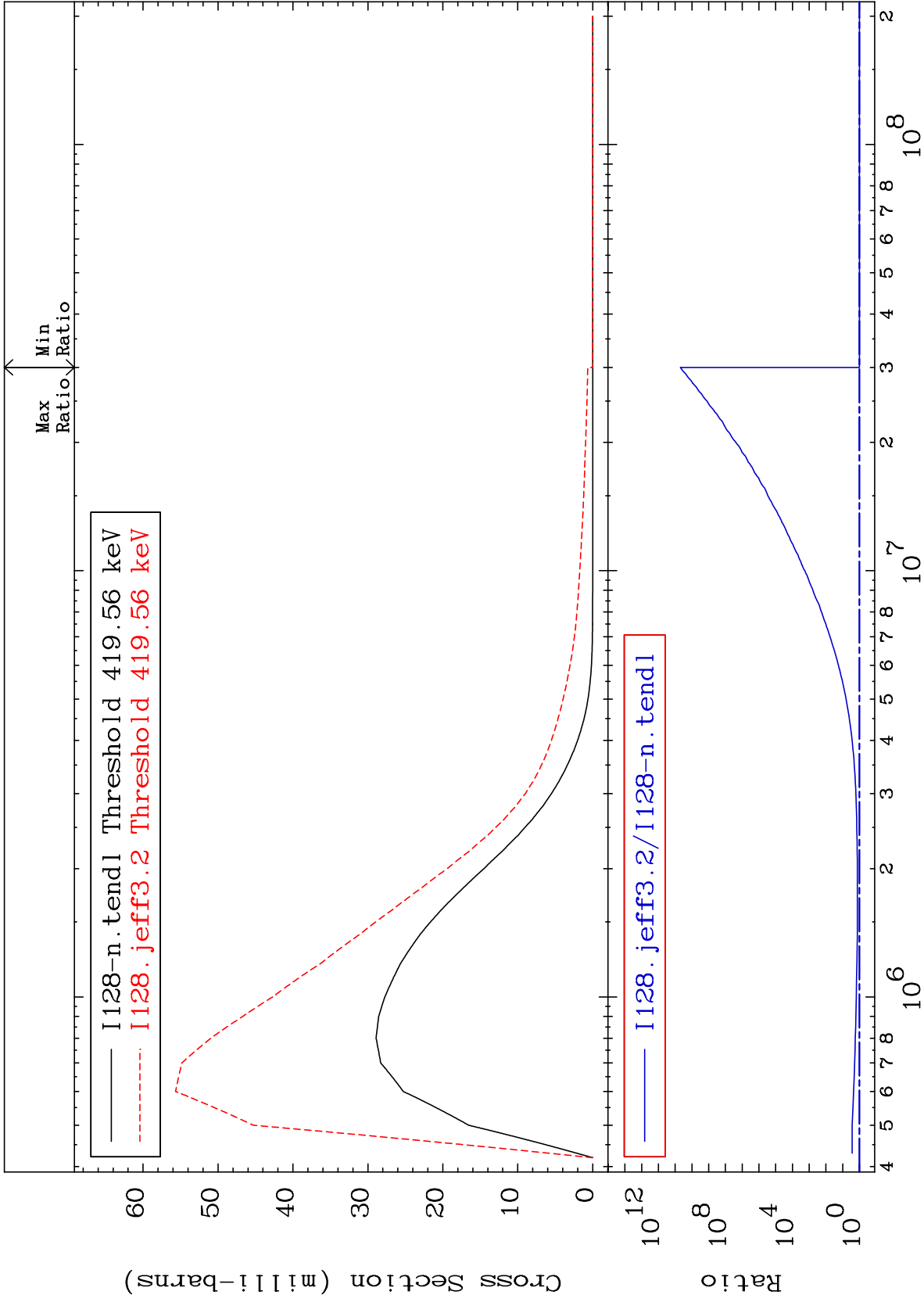
53-I -128  
-2.054 To 0.000 %



MAT 5328

416.3 keV (n,n') Level  
Cross Section

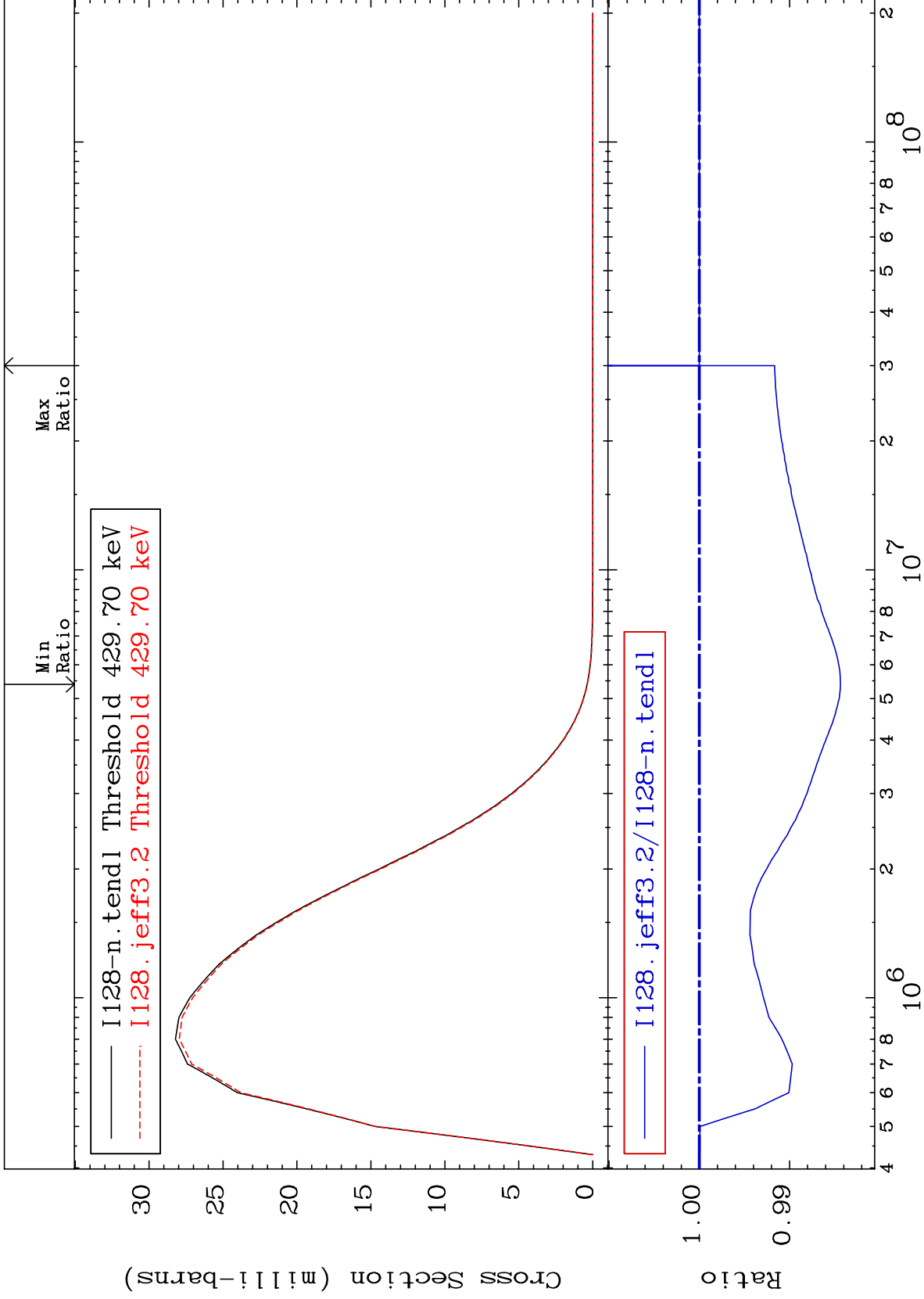
53-I -128  
To 9999. %  
0.000



MAT 5328

426.3 keV (n,n') Level  
Cross Section

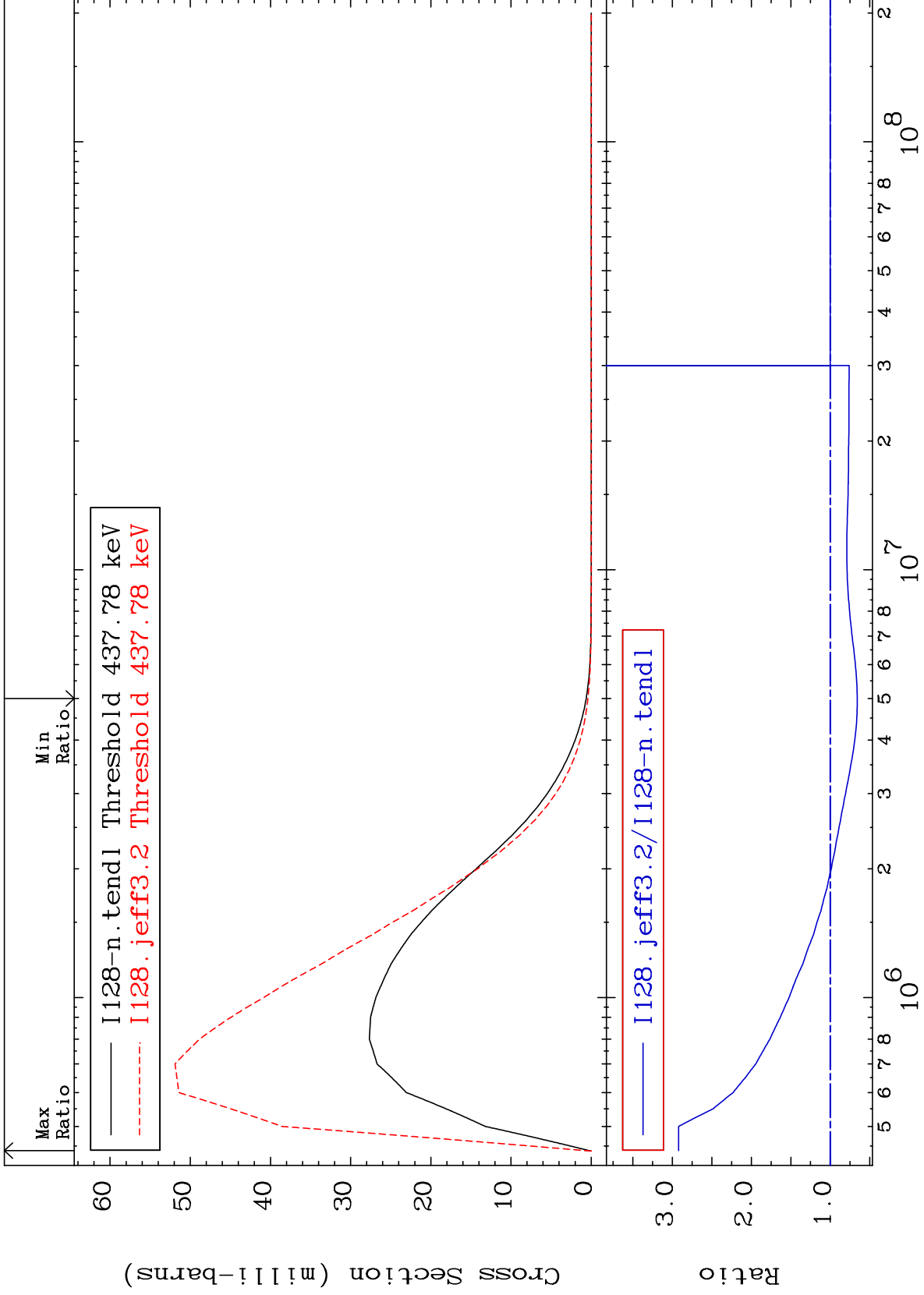
53-I -128  
-1.564 To 0.000 %



45

Incident Energy (eV)

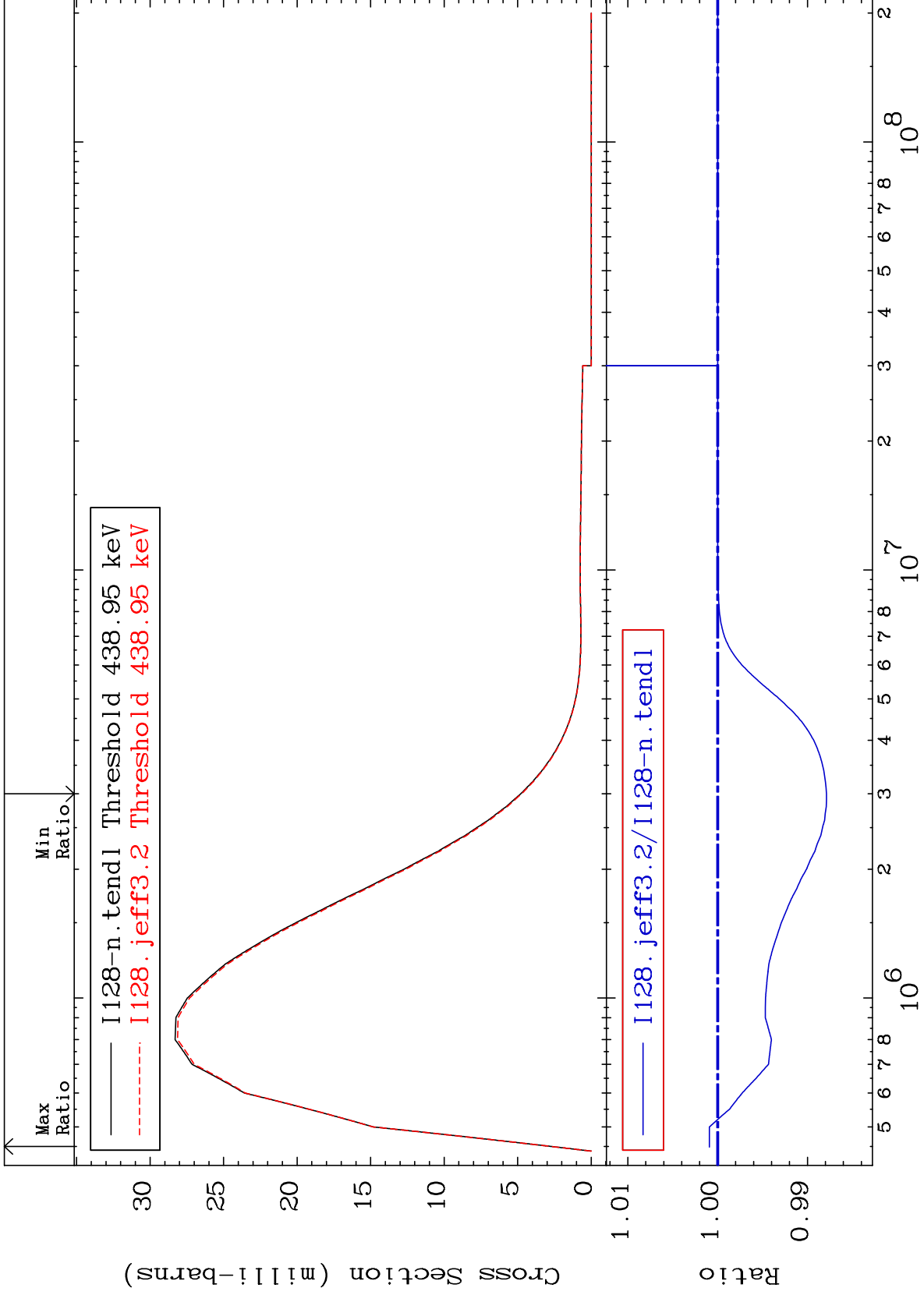
53-I -128



MAT 5328

435.5 keV (n,n') Level  
Cross Section

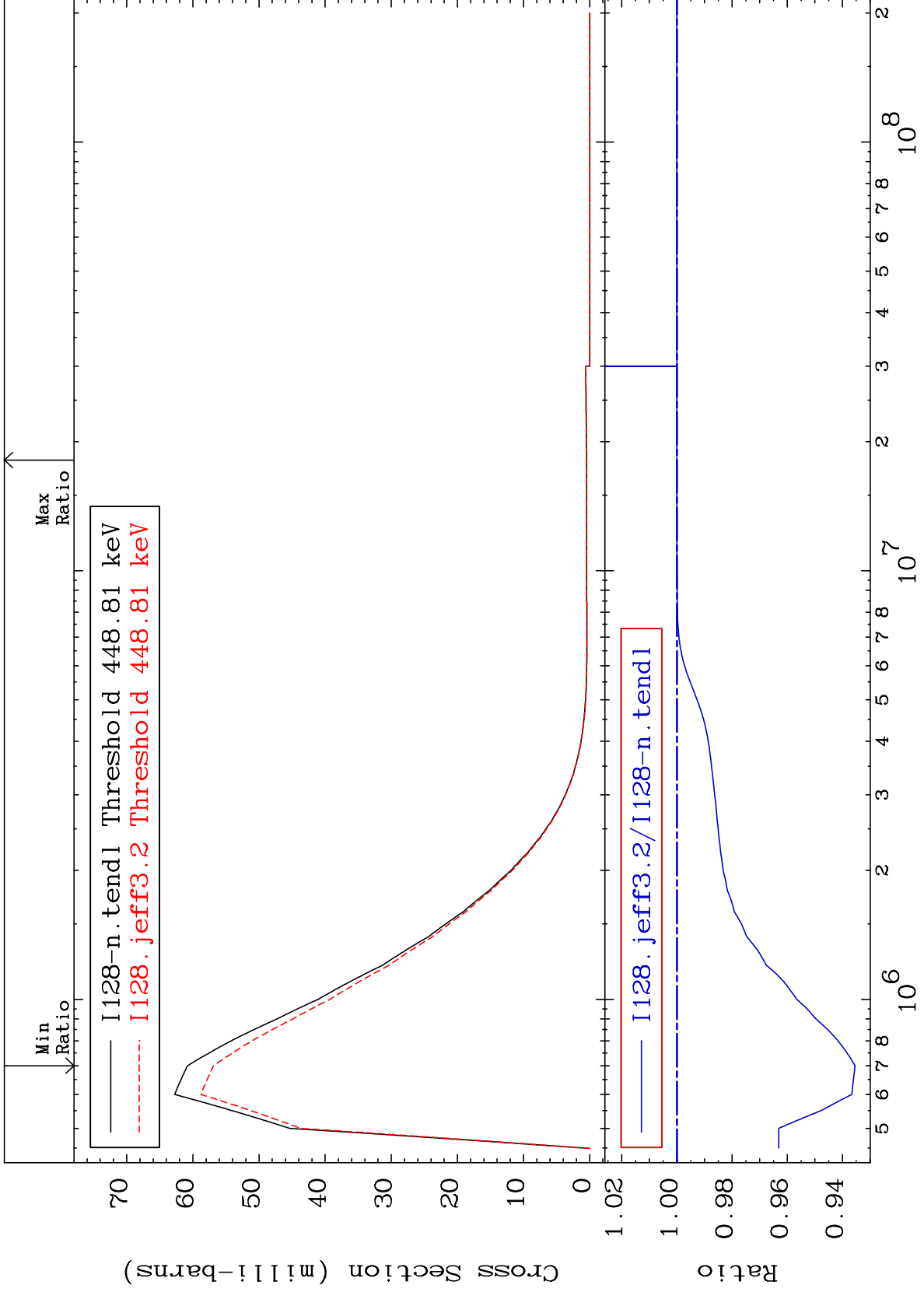
53-I -128  
-1.212 To 0.092 %



MAT 5328

445.3 keV (n,n') Level  
Cross Section

53-I -128  
-6.459 To 0.000 %

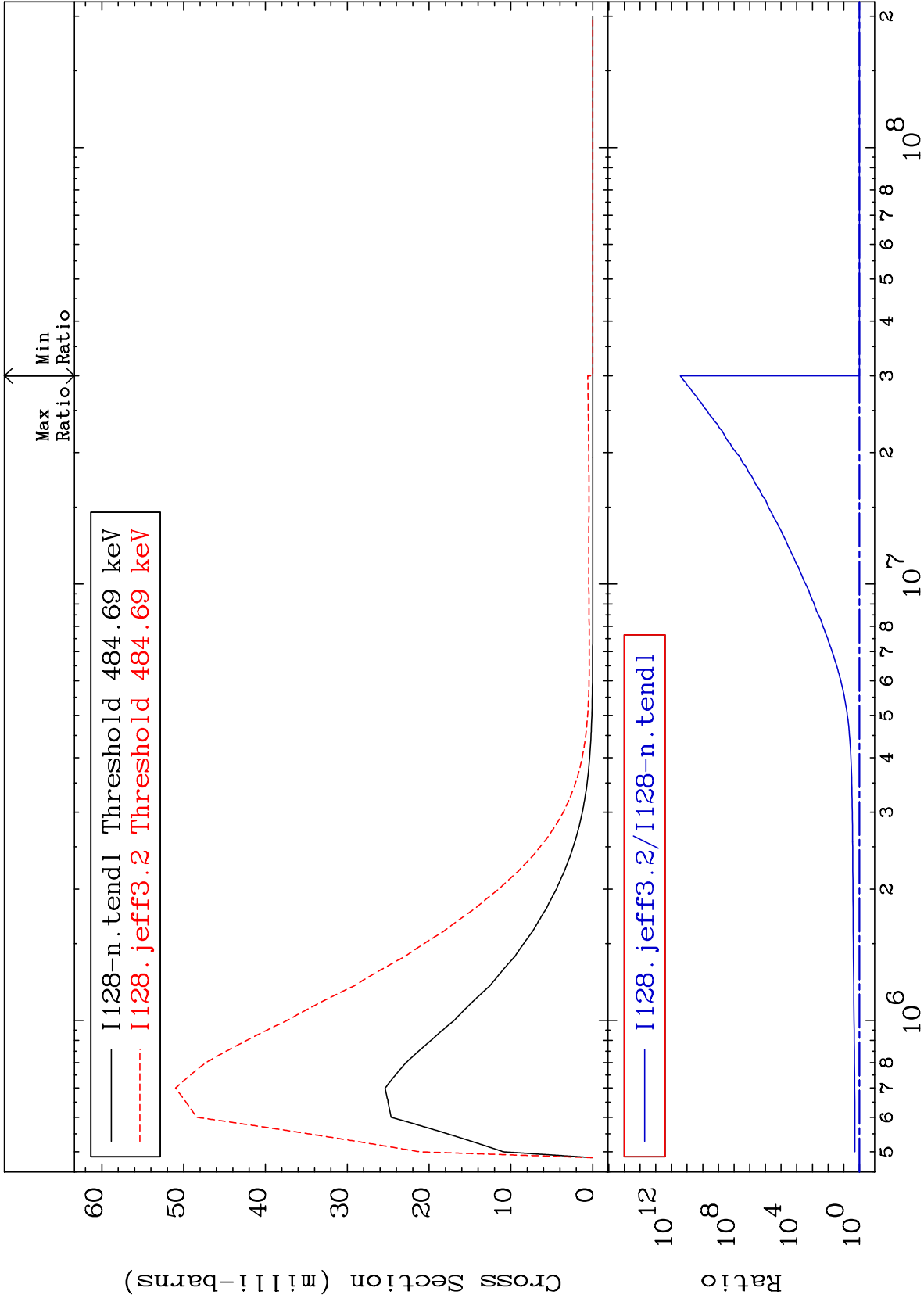


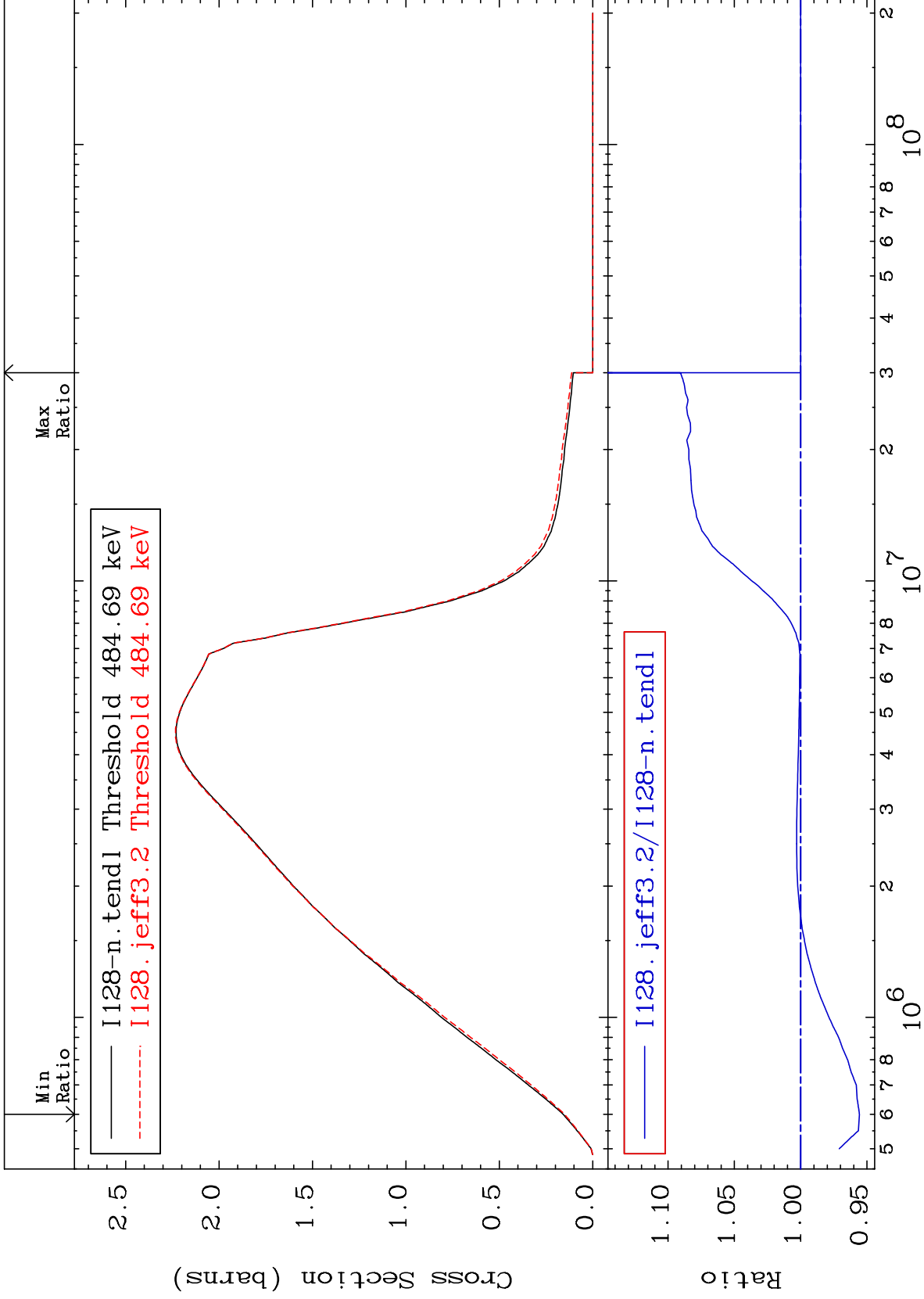


MAT 5328

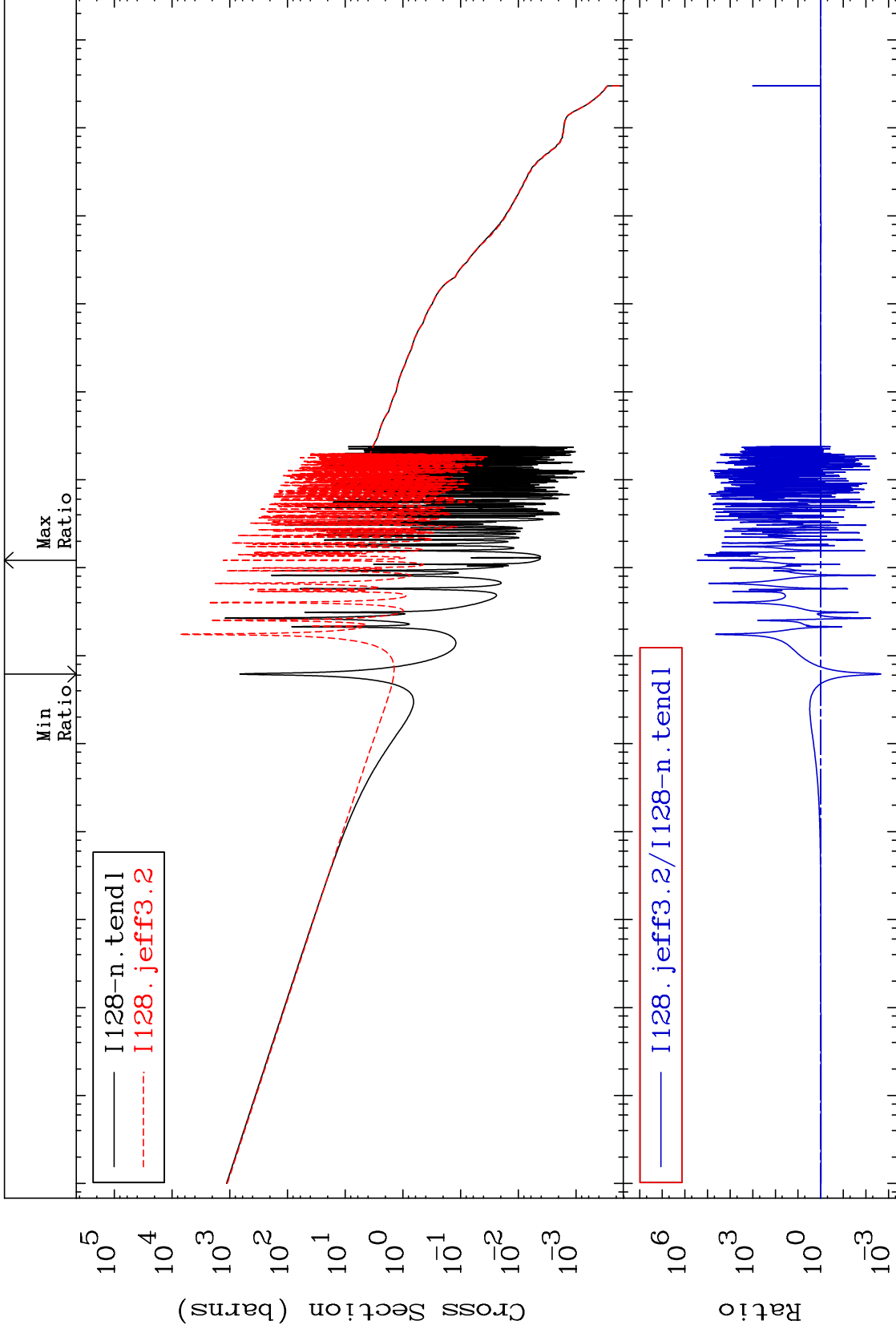
480.9 keV (n,n') Level  
Cross Section

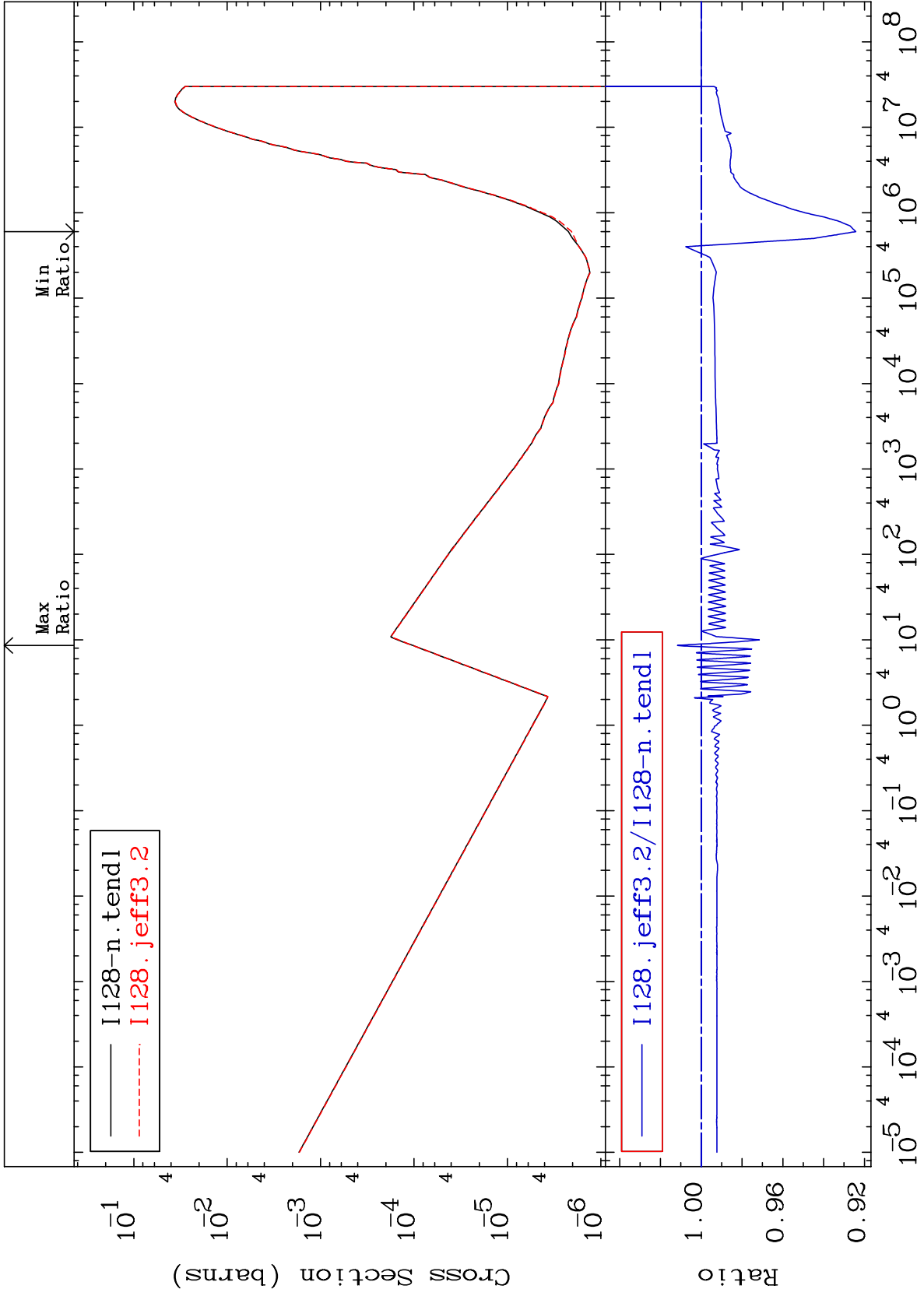
53-I -128  
To 9999. %





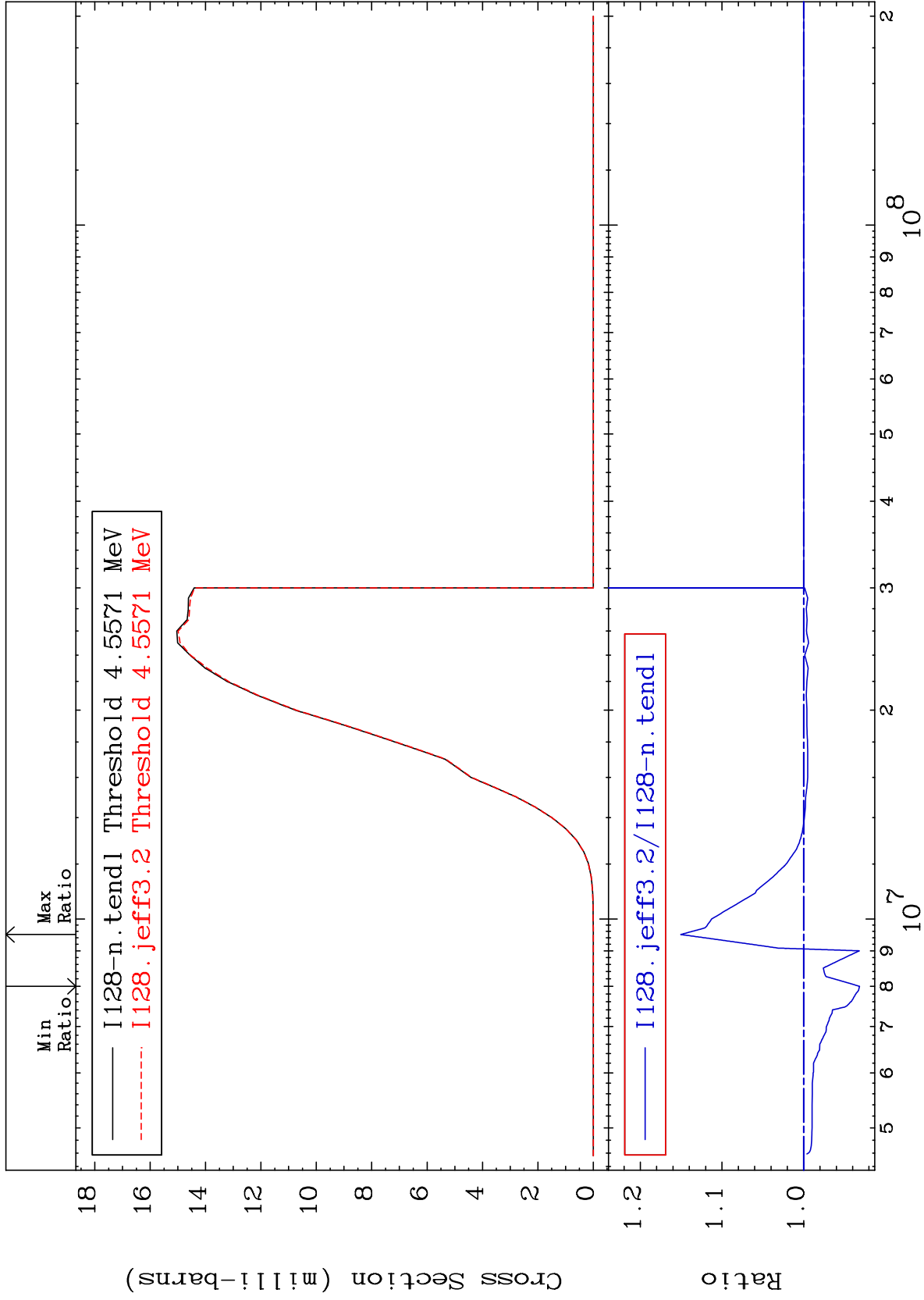
(n,  $\gamma$ )  
Cross Section



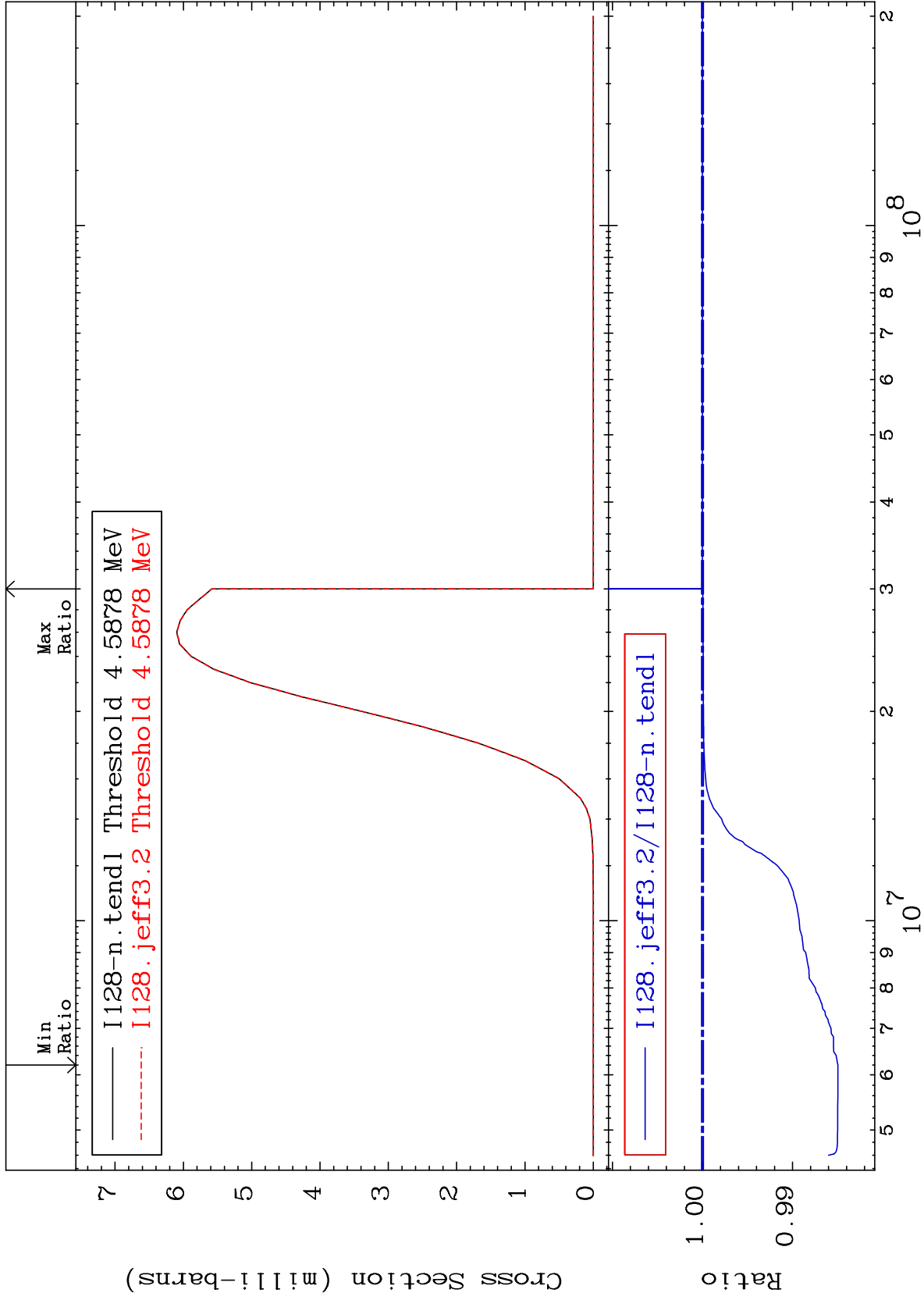


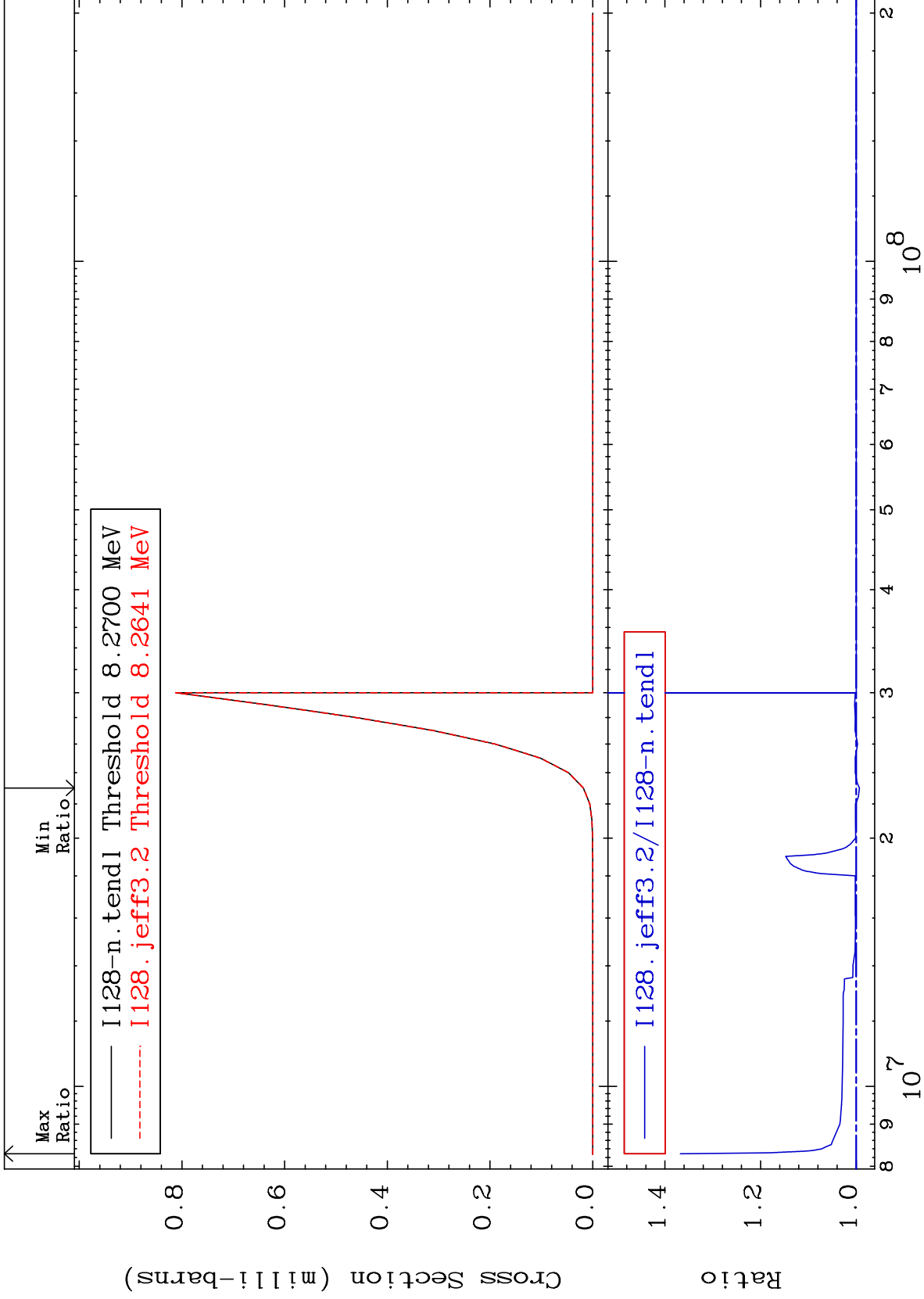
Cross Section

-6.842 To 15.05 %



(n, t)  
Cross Section  
-1.503 To 0.000 %

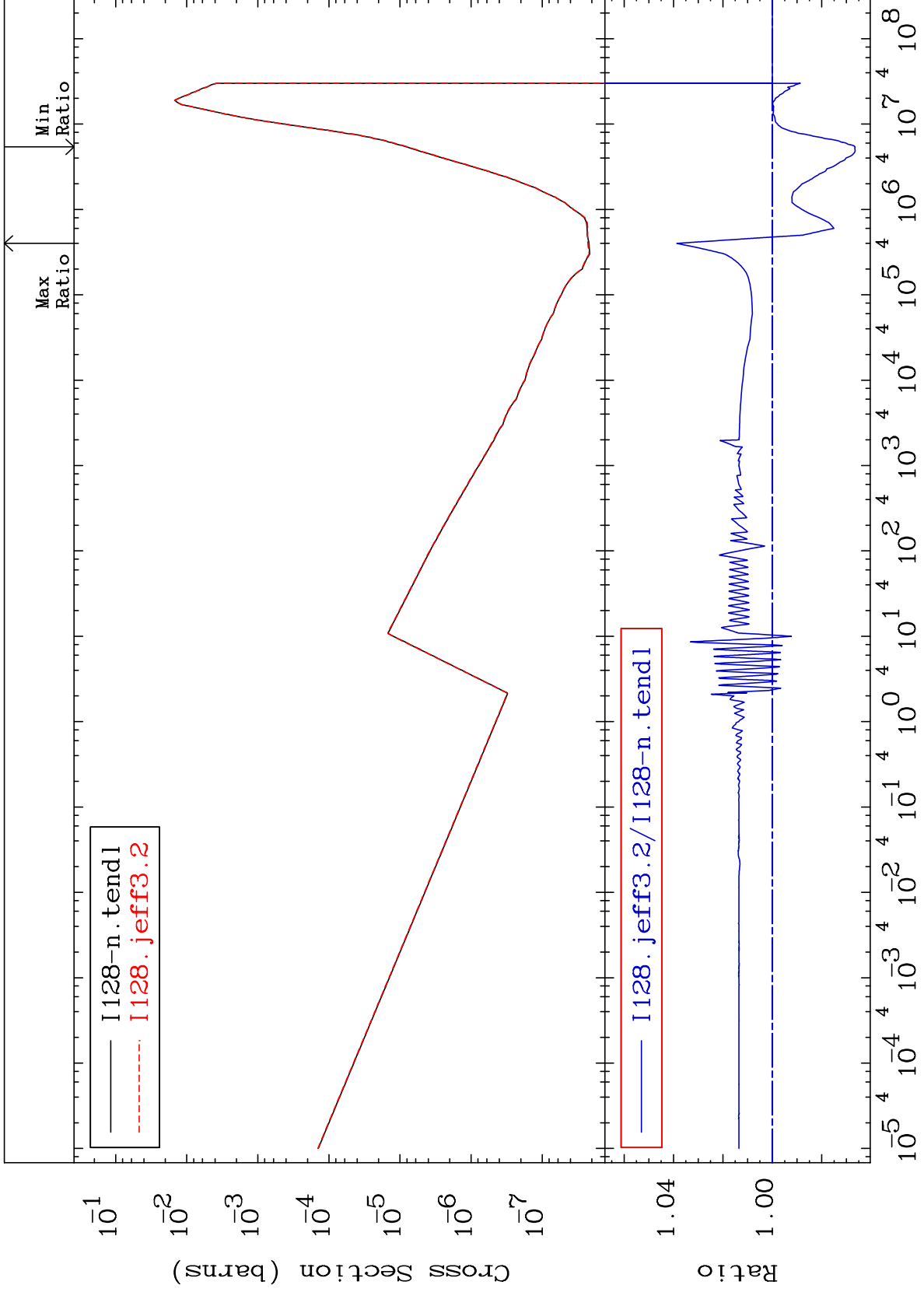




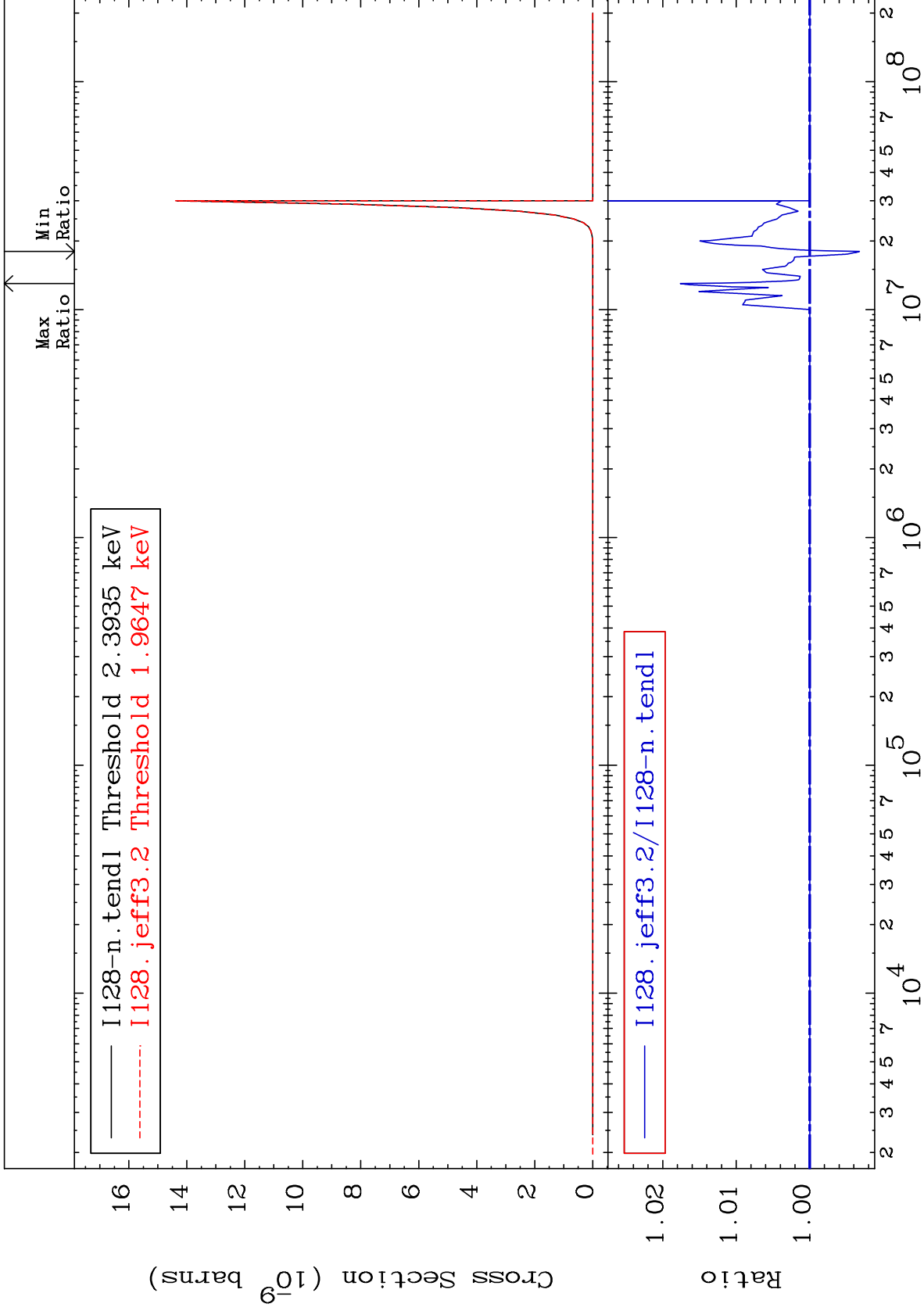
MAT 5328

(n,  $\alpha$ )  
Cross Section

53-I -128  
-3.352 To 3.863 %

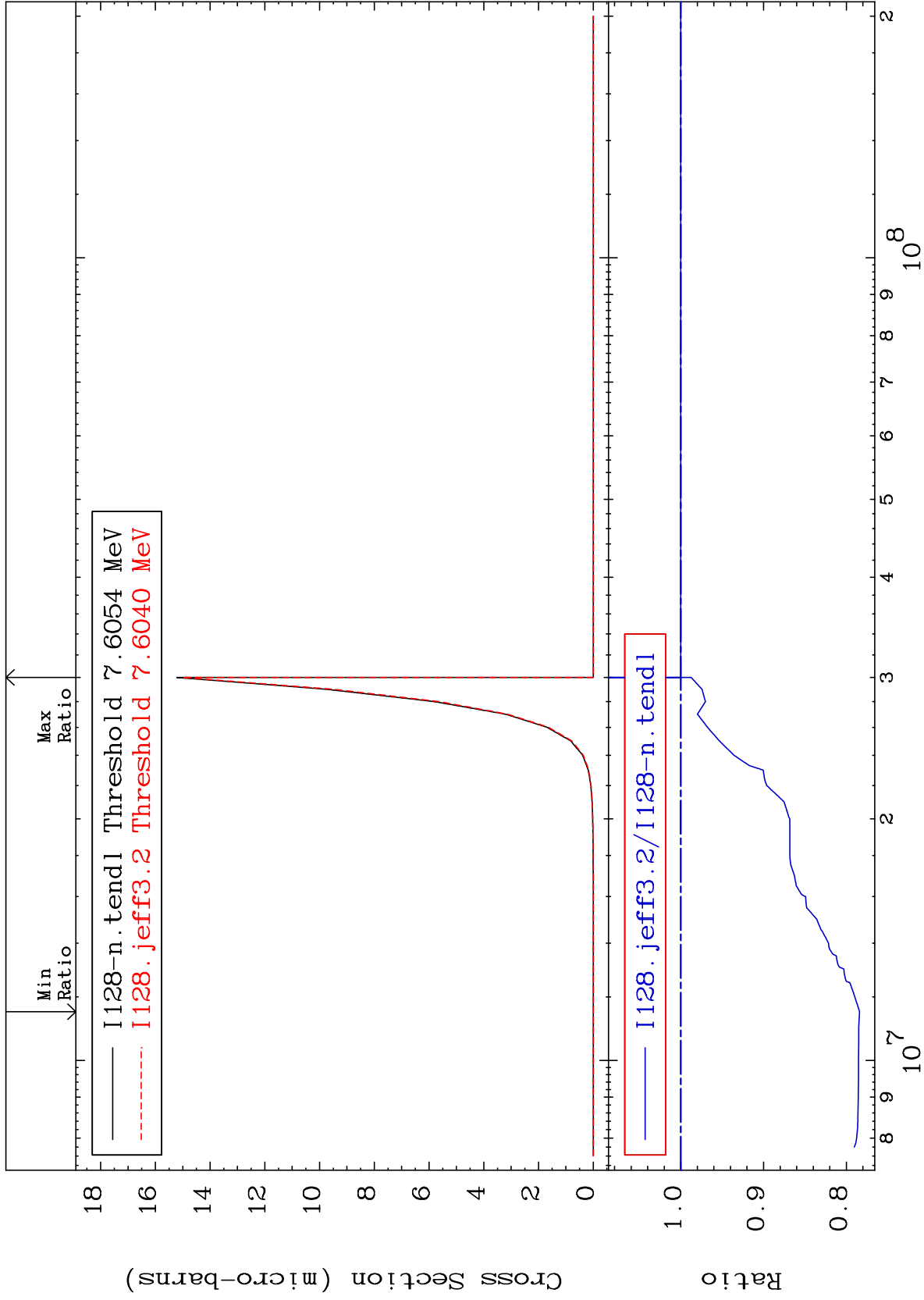


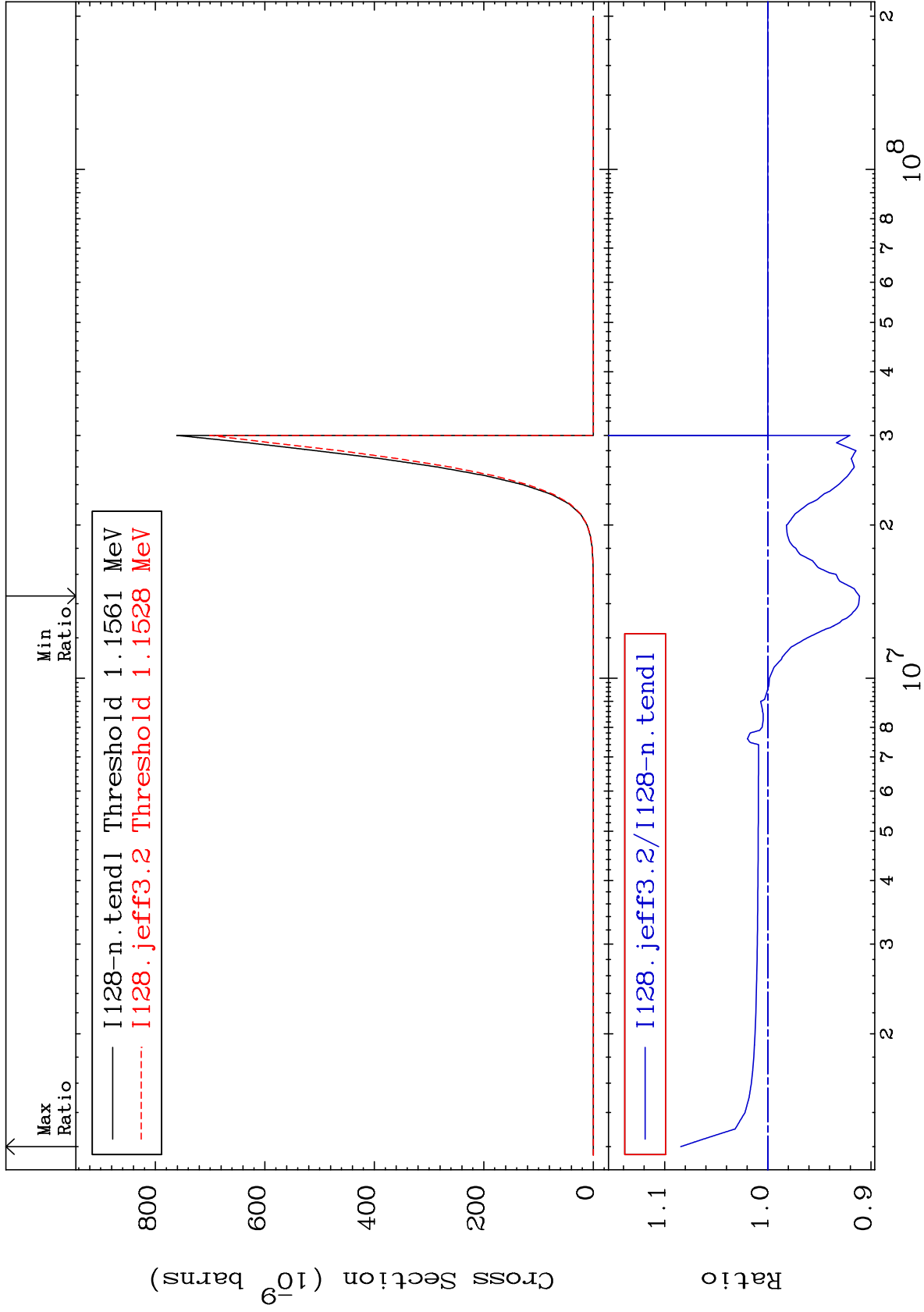




Cross Section

-21.59 To 0.000 %

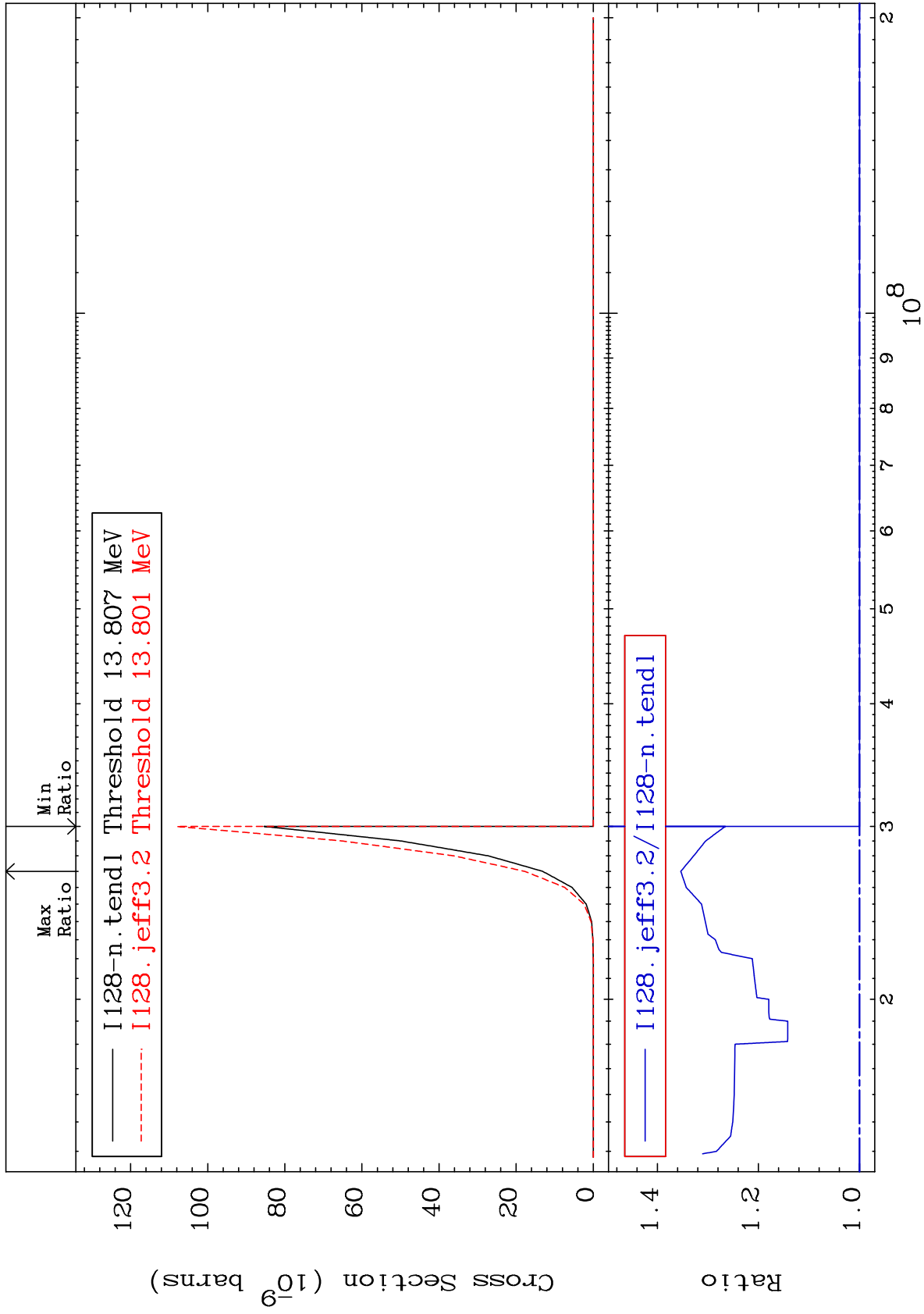




MAT 5328

(n,p) d  
Cross Section

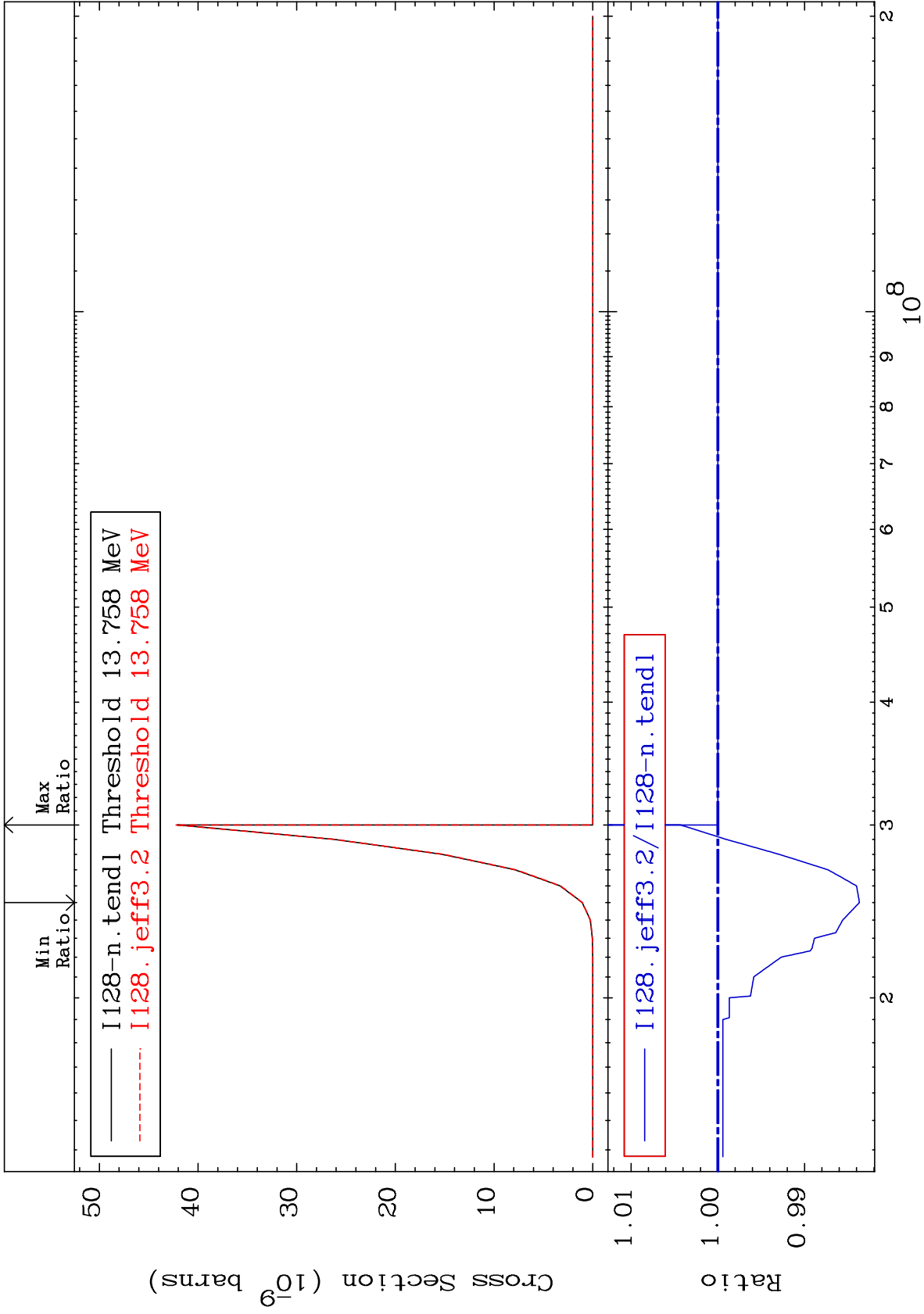
53-I -128  
0.000 To 35.36 %



60

Incident Energy (eV)

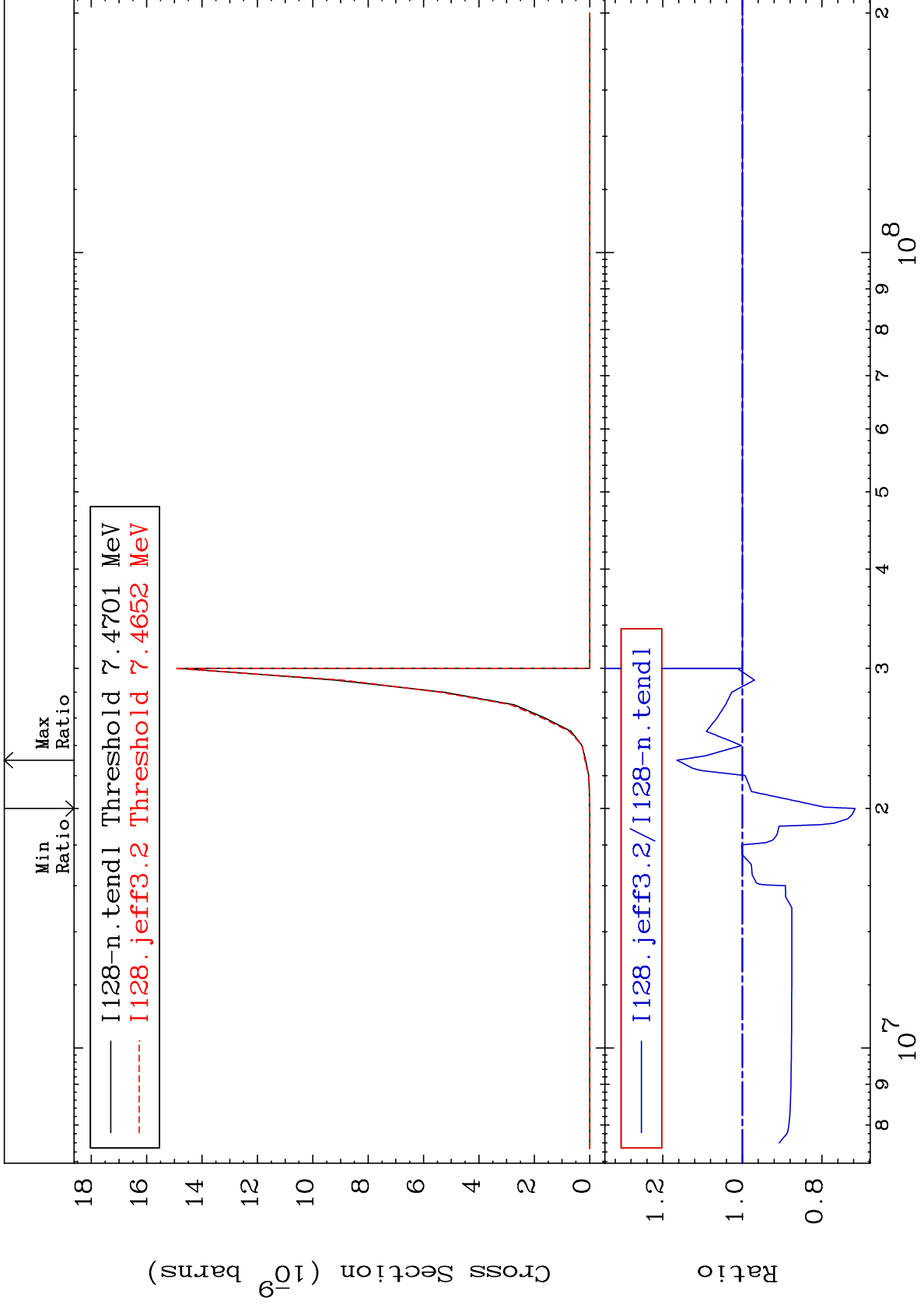
53-I -128



MAT 5328

(n,d)  $\alpha$   
Cross Section

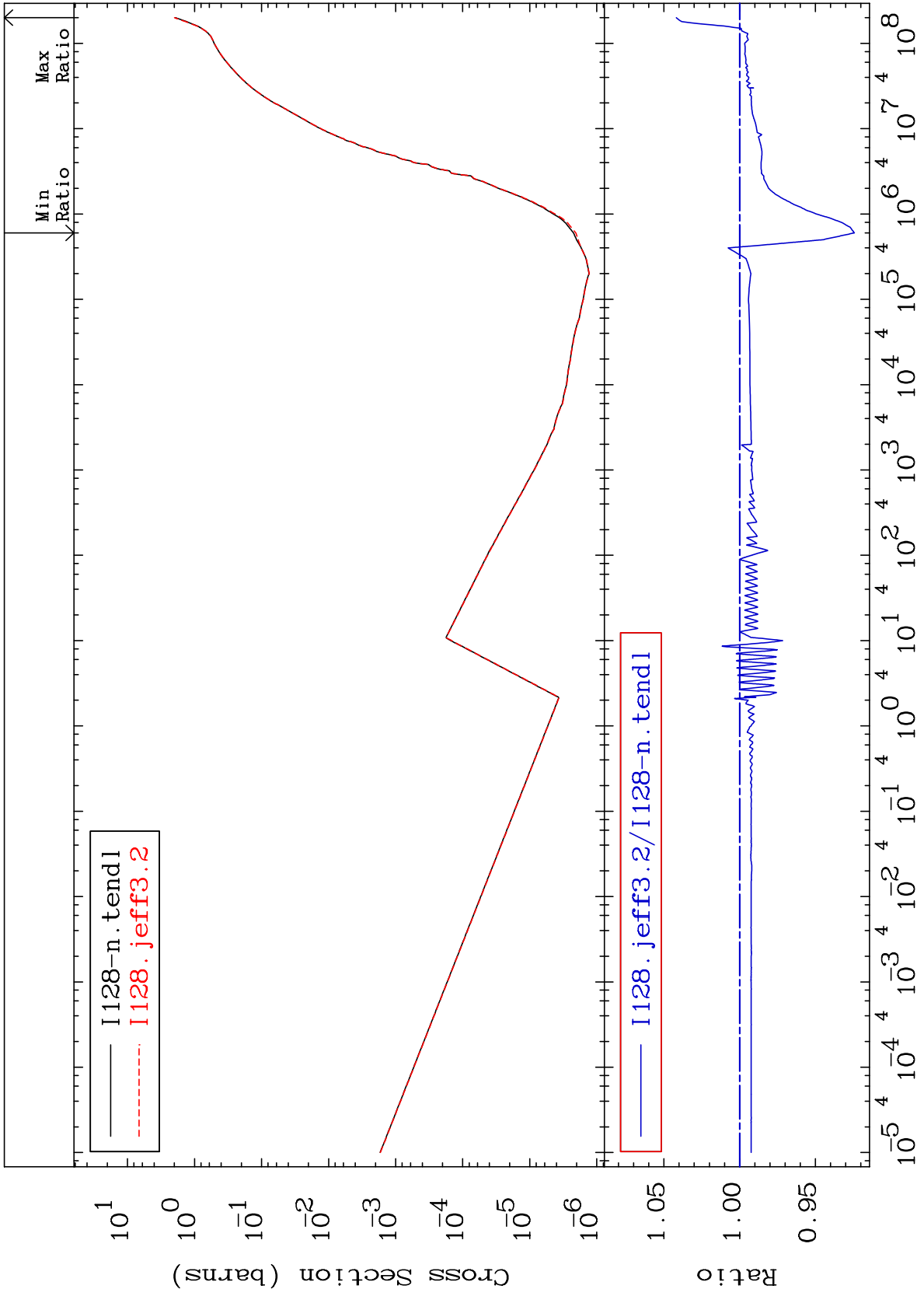
53-I -128  
-28.36 To 16.46 %



62

Incident Energy (eV)

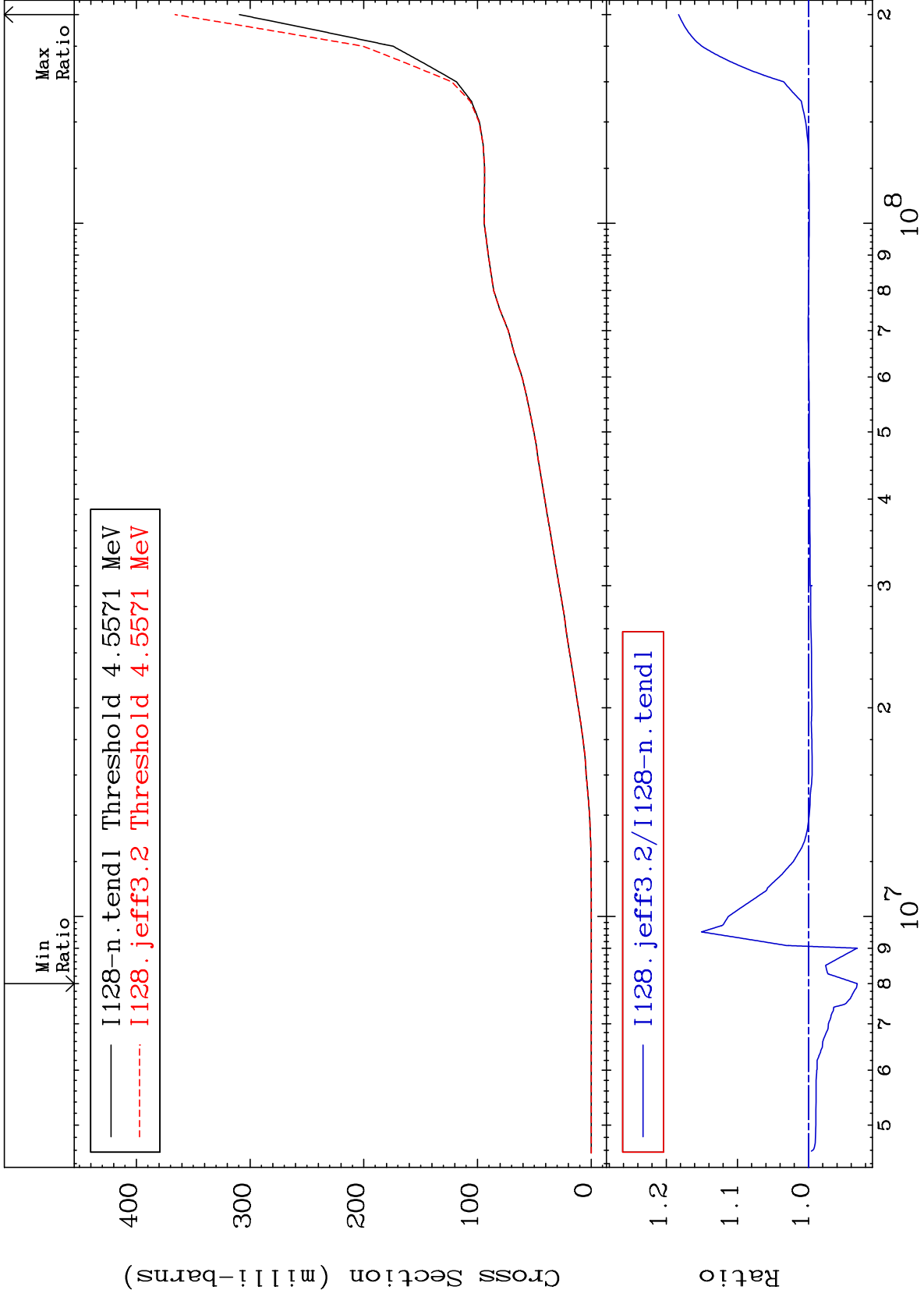
53-I -128



MAT 5328

Deuterium Production  
Cross Section

53-I -128  
-6.842 To 18.26 %



64

Incident Energy (eV)

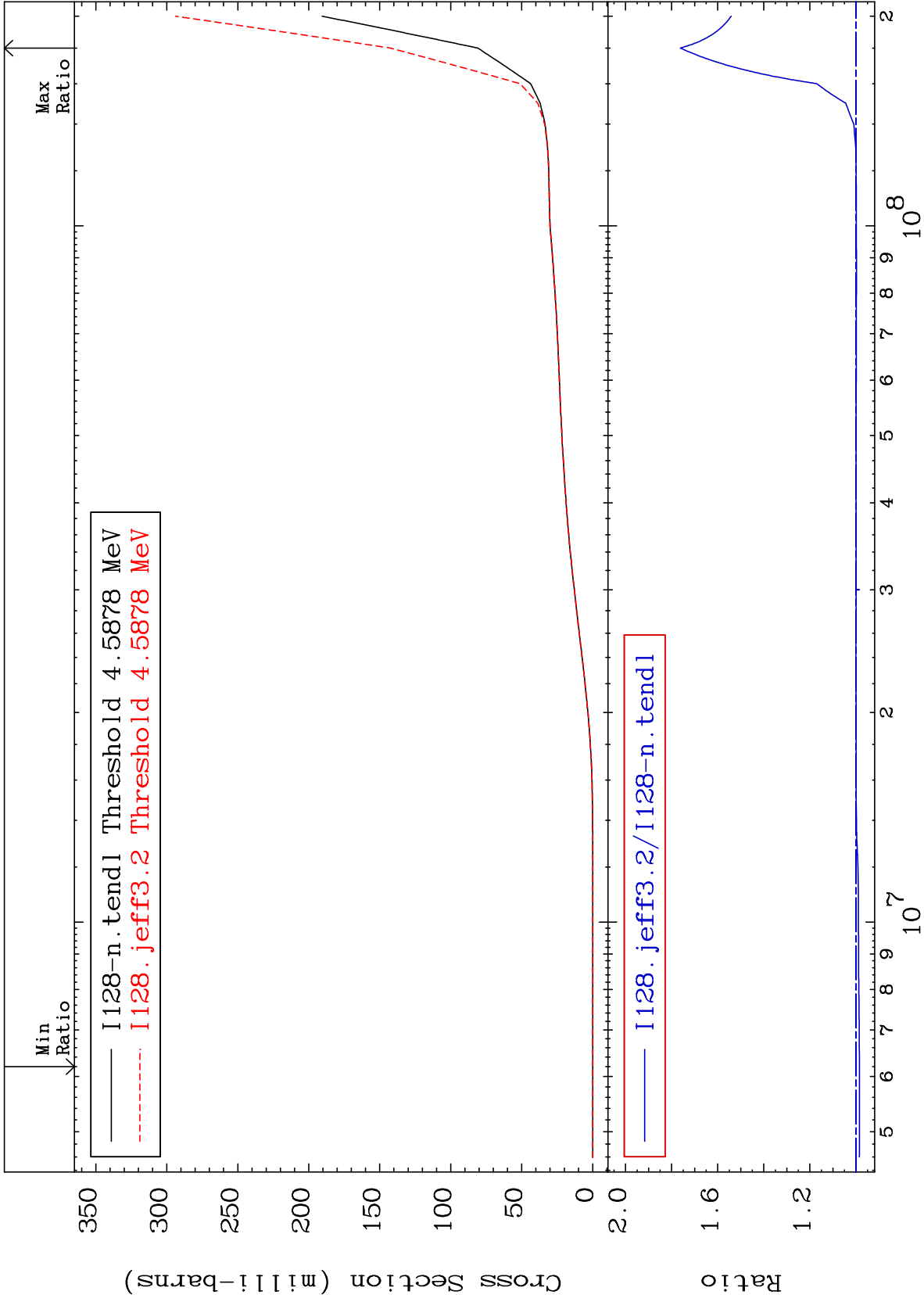
53-I -128



MAT 5328

Tritium Production  
Cross Section

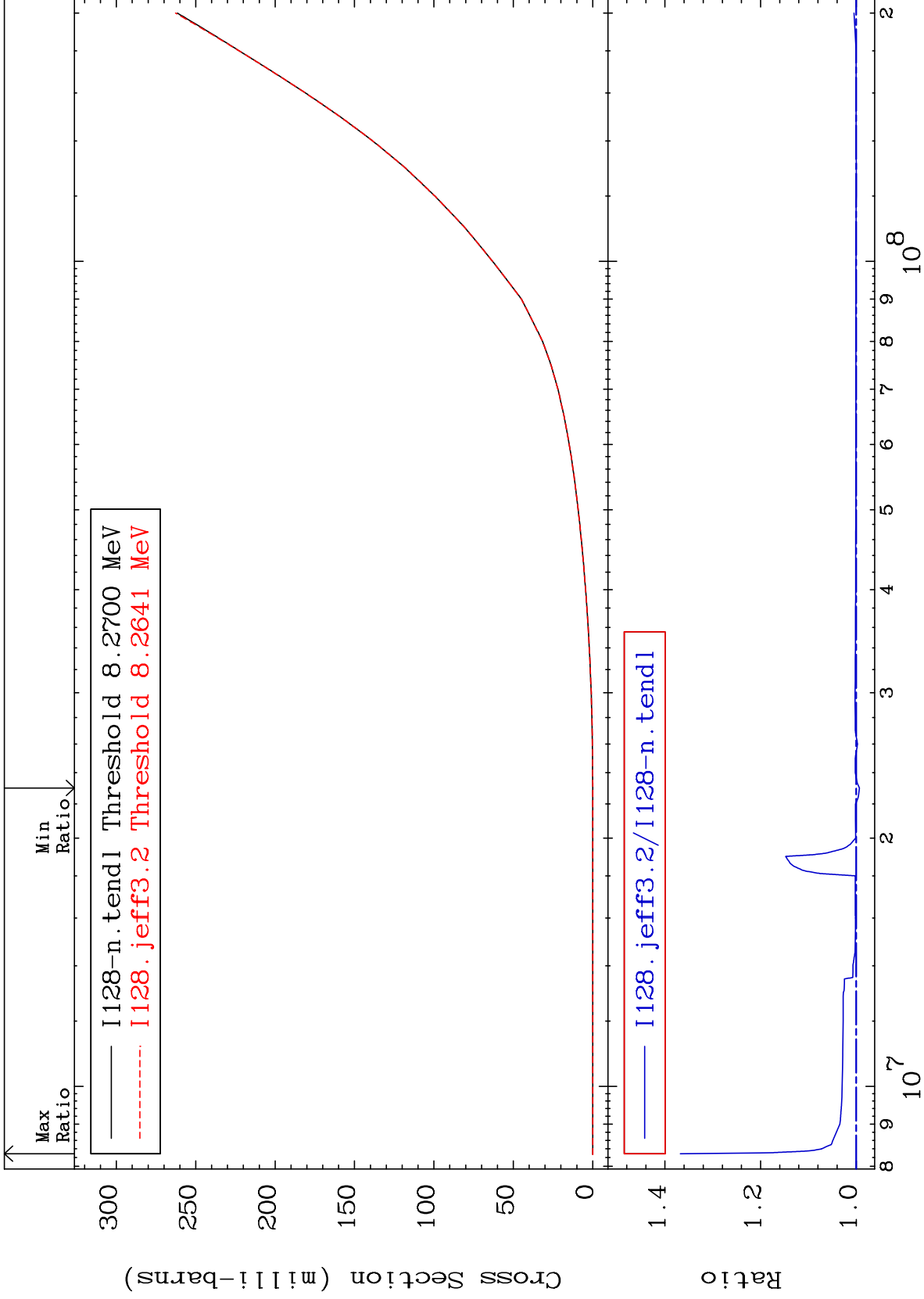
53-I -128  
-1.503 To 76.21 %

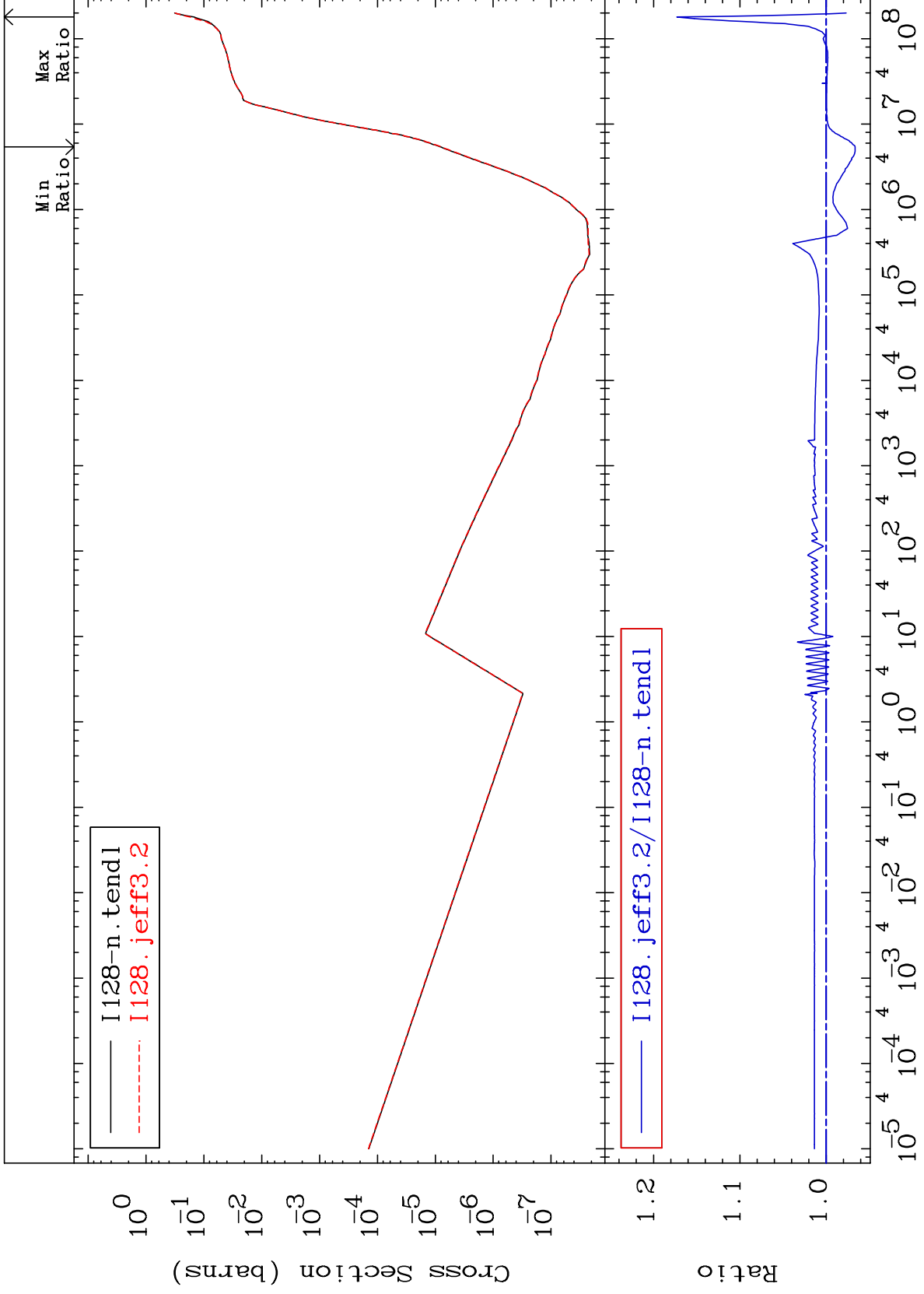


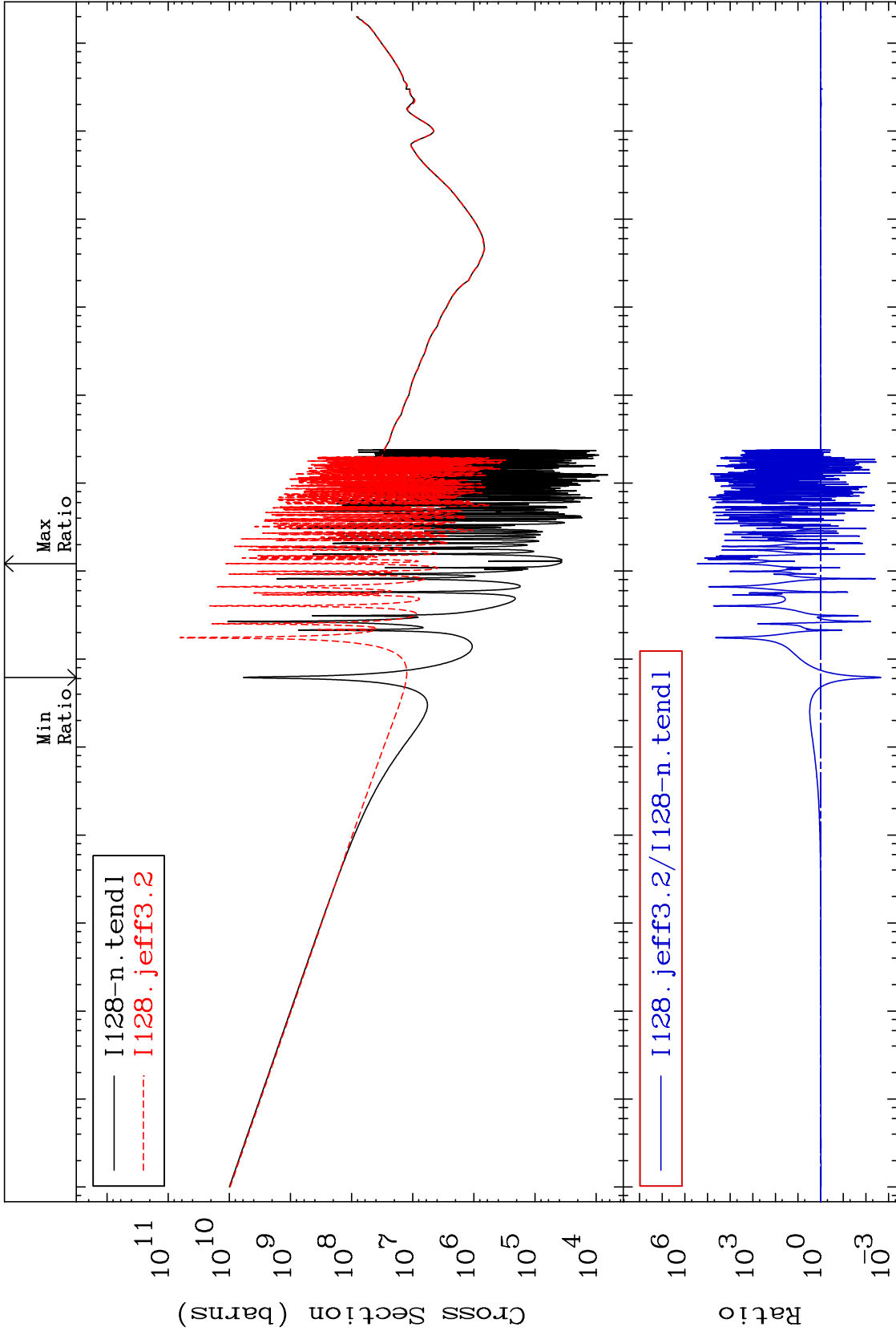
65

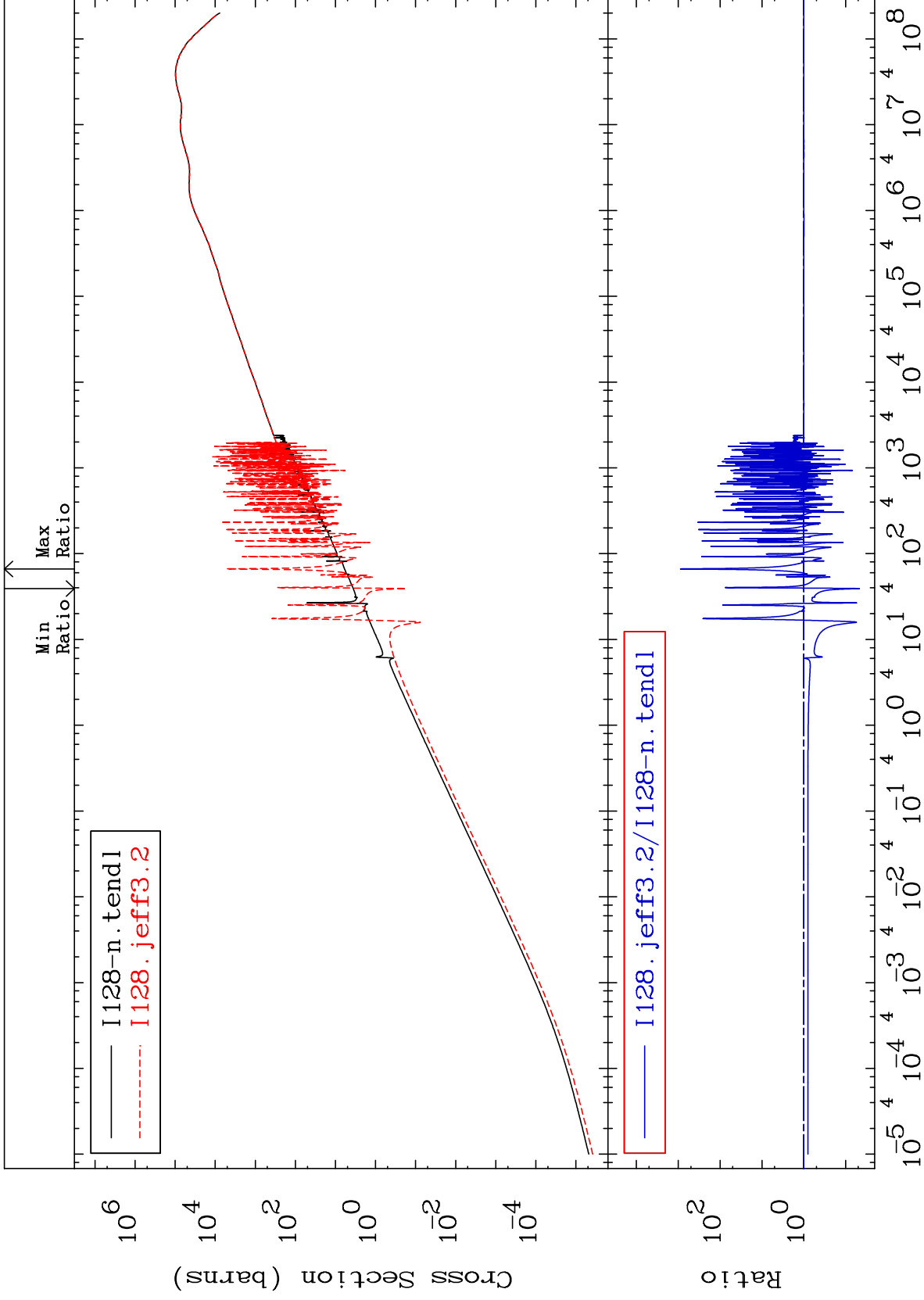
Incident Energy (eV)

53-I -128

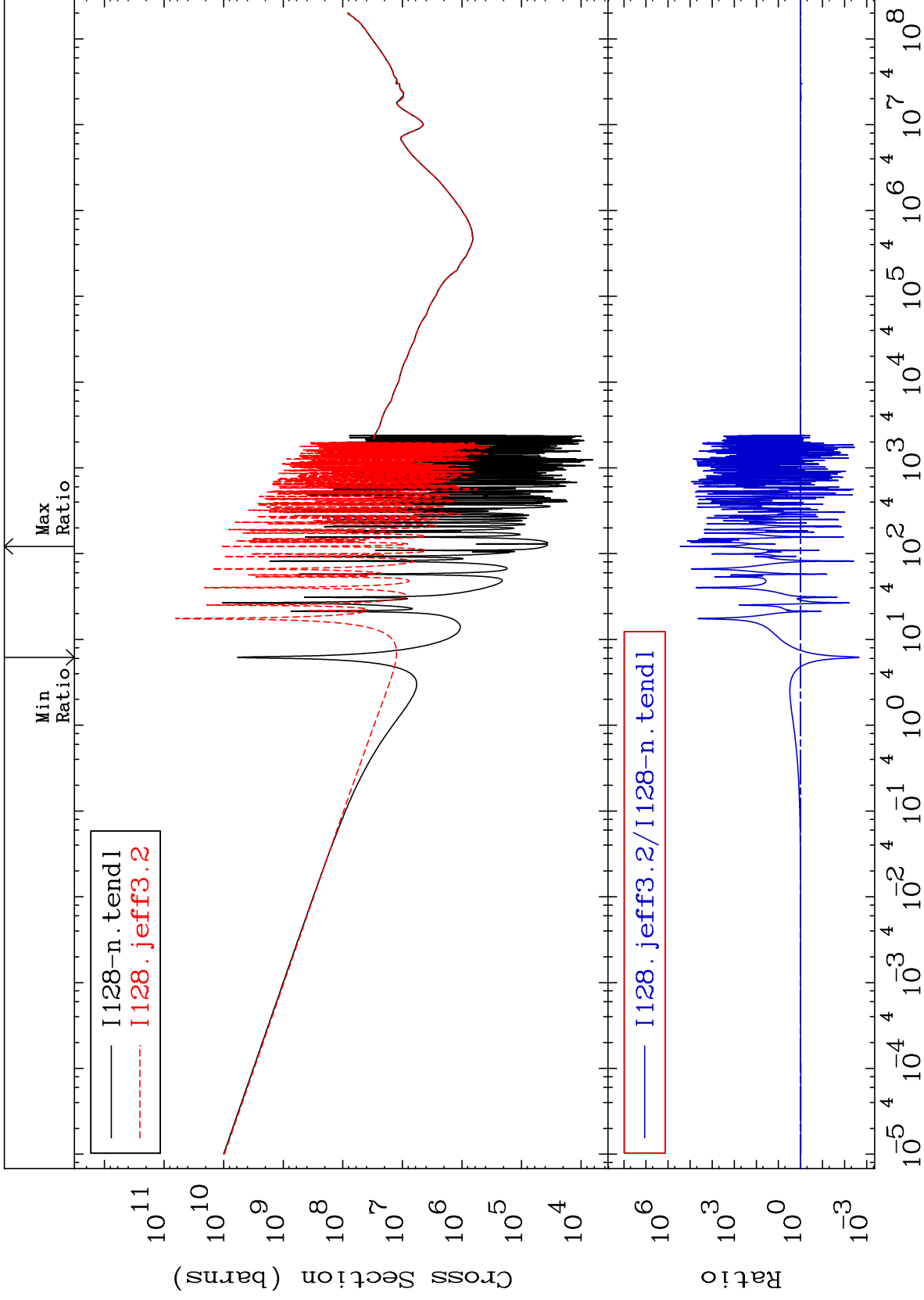








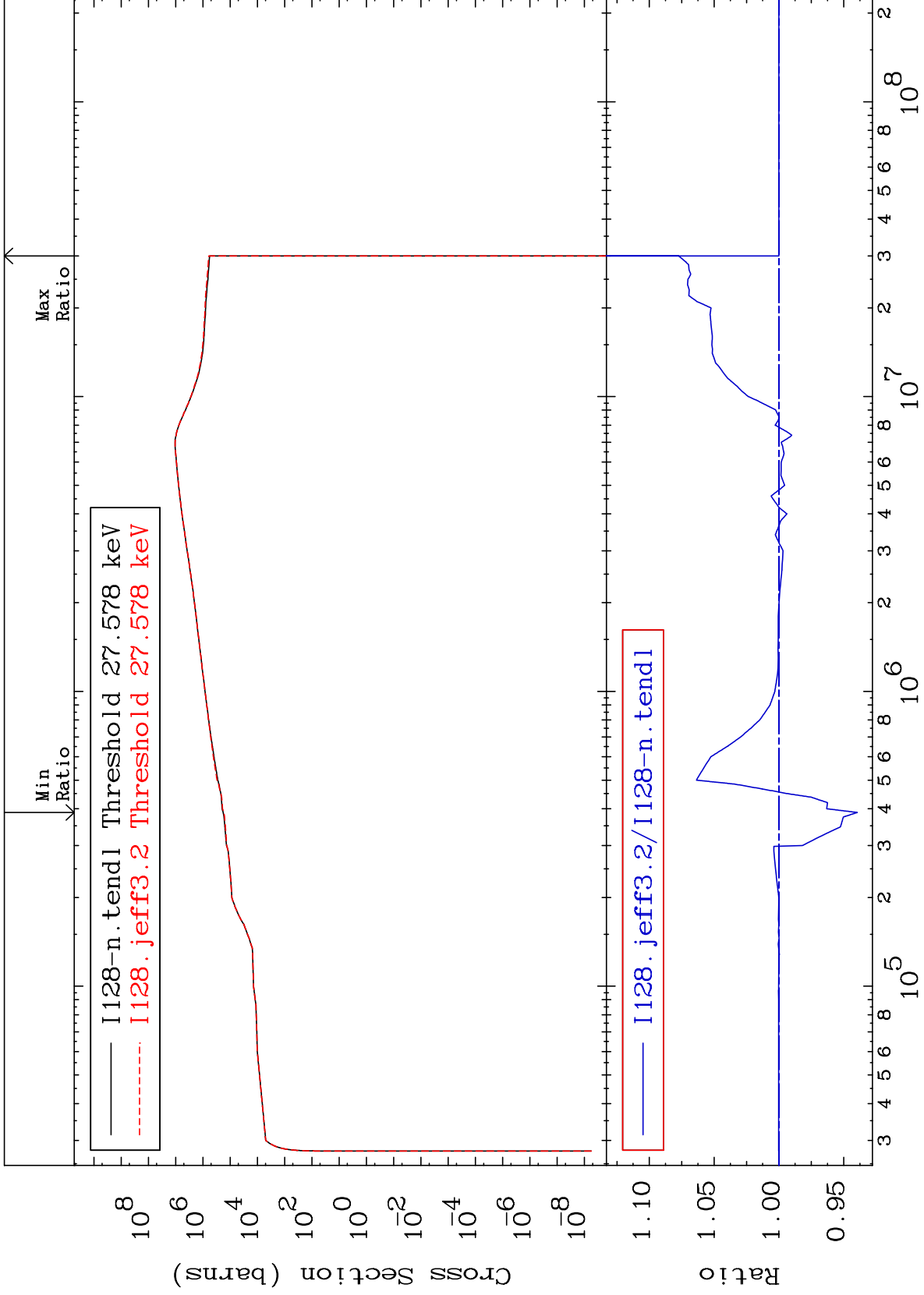
Cross Section



MAT 5328

Kerma inelastic (mt51-91)  
Cross Section

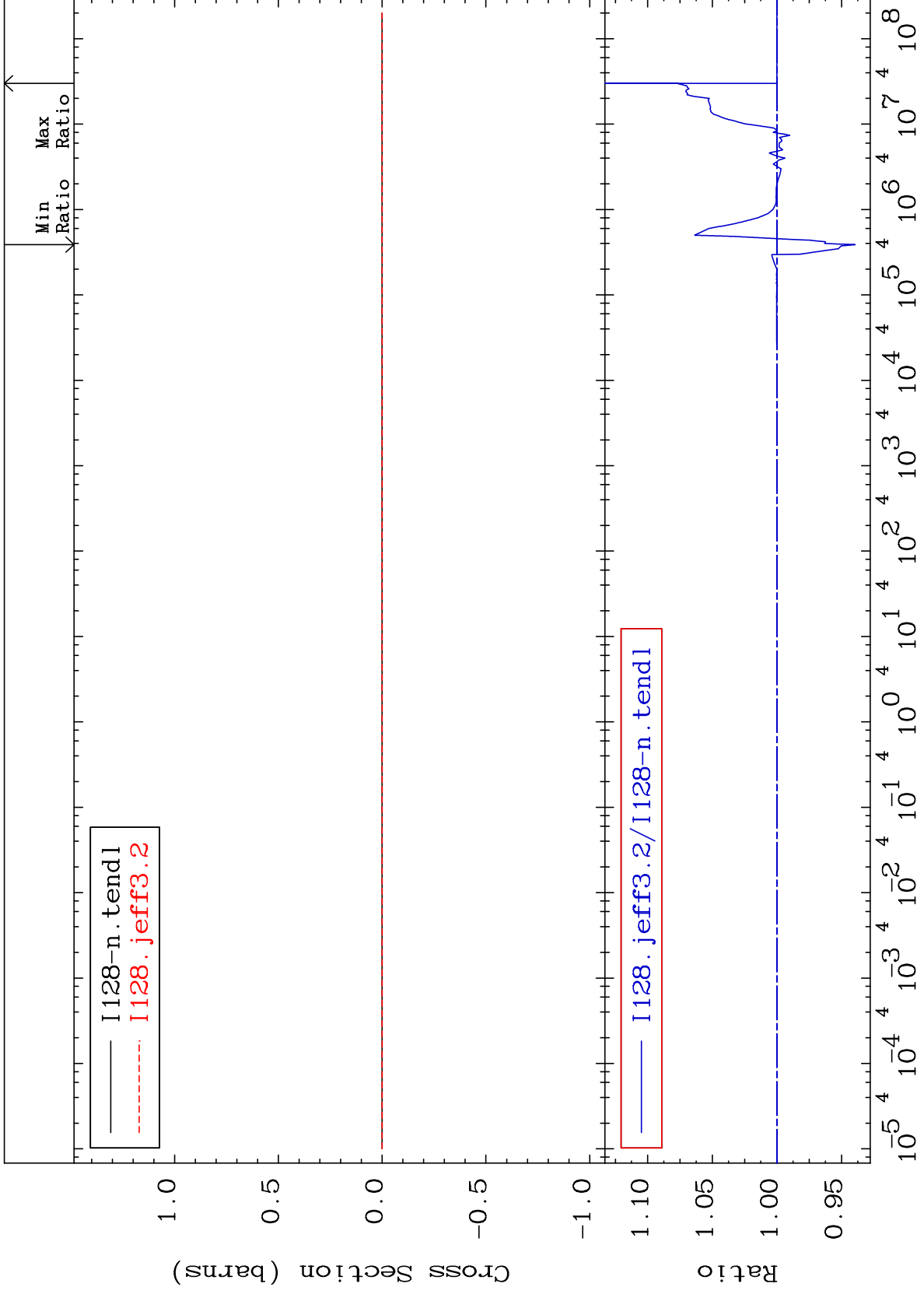
53-I -128  
-6.047 To 7.738 %



MAT 5328

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

53-I -128  
-6.047 To 7.738 %

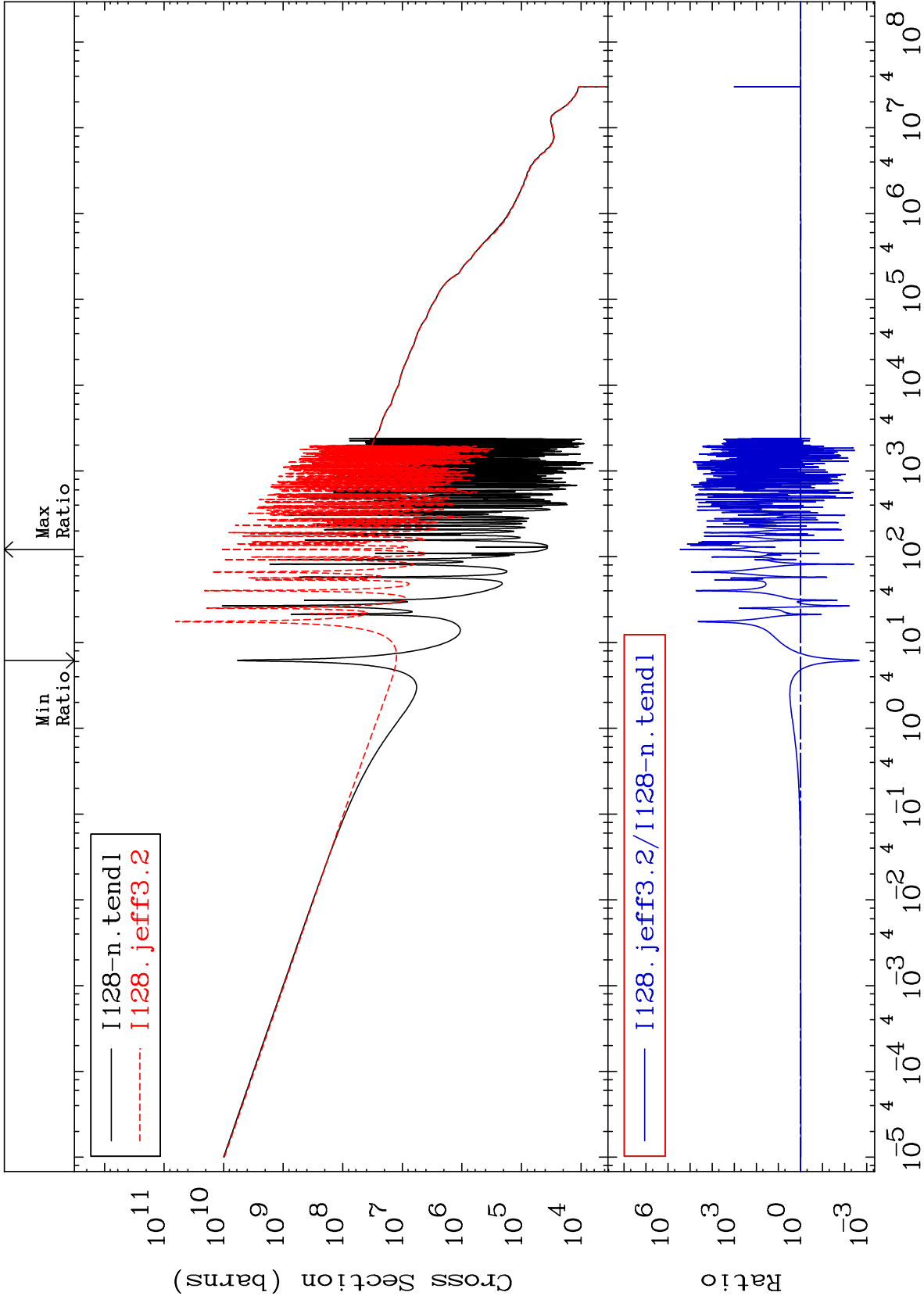


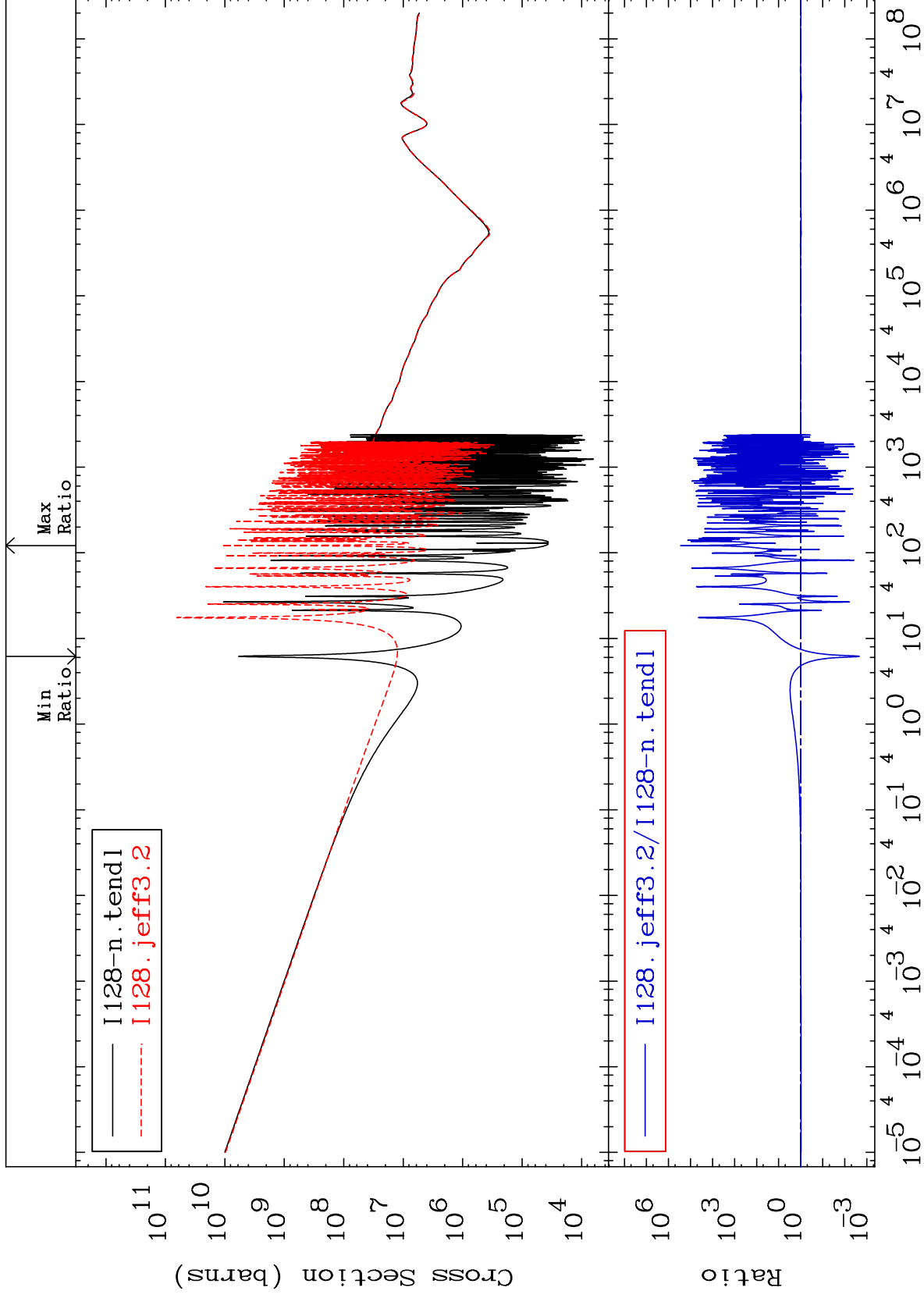
72

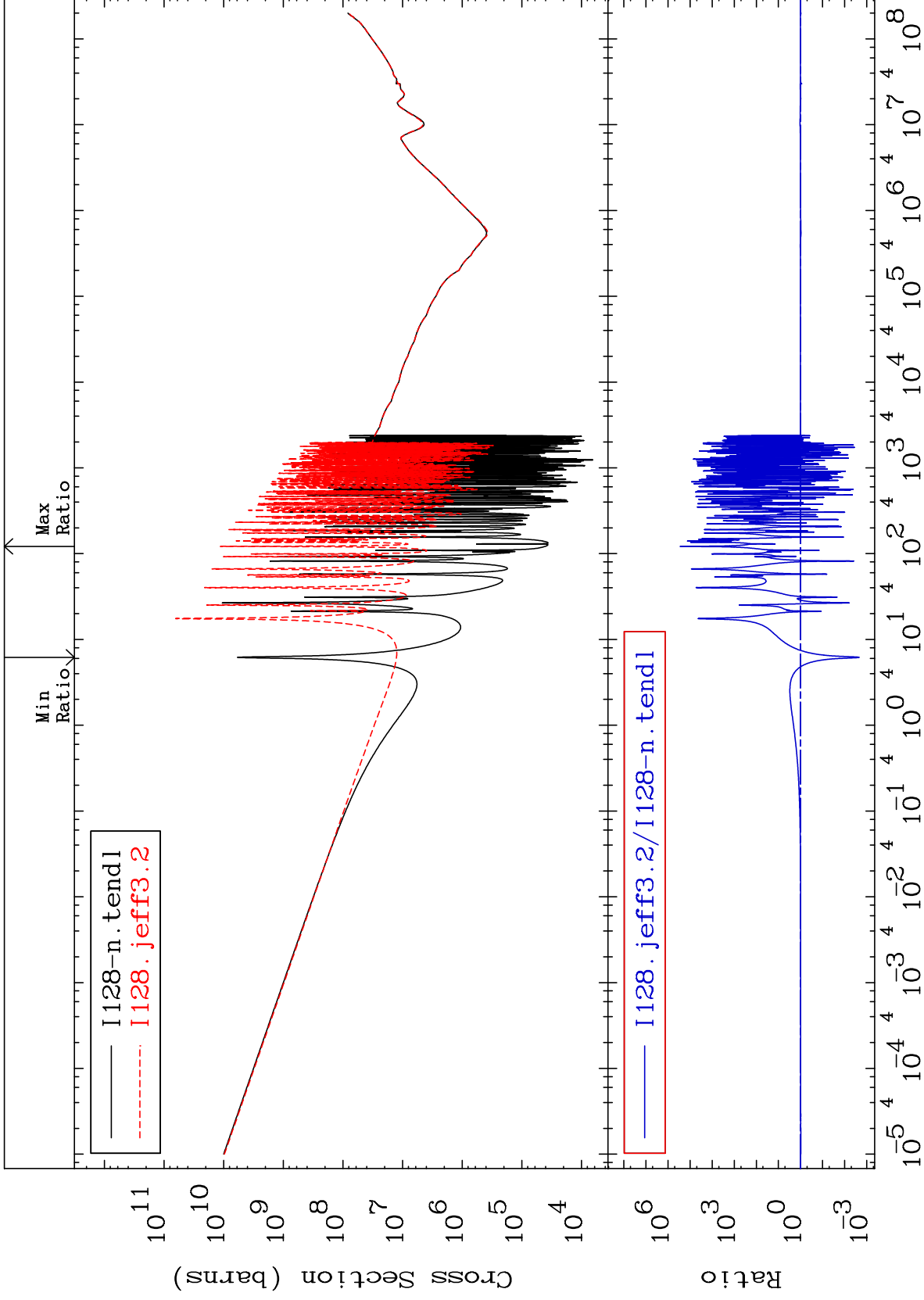
Incident Energy (eV)

53-I -128









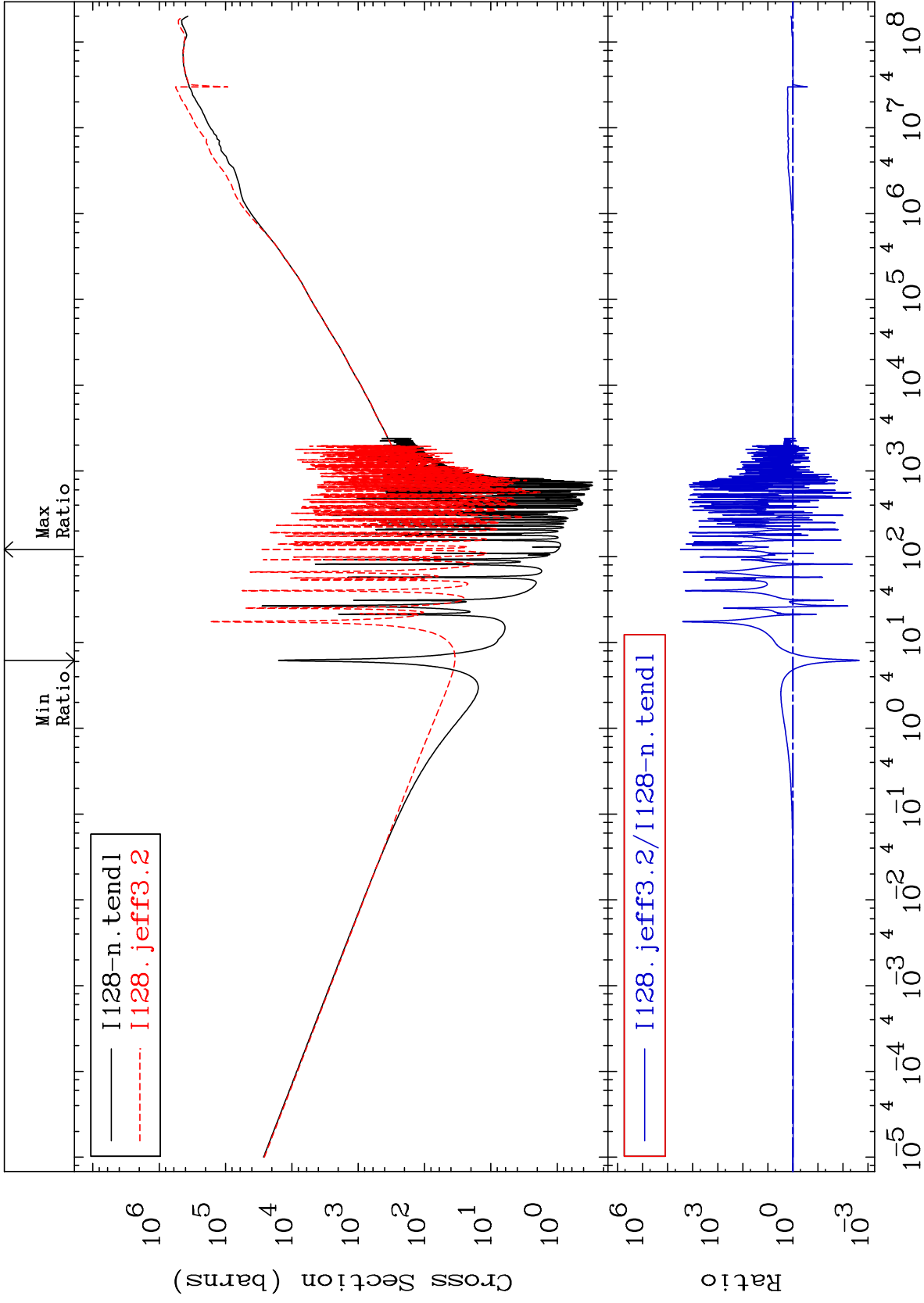
MAT 5328

Dpa total (eV-barns)

53-I -128

-99.78 To 9999. %

Cross Section



76

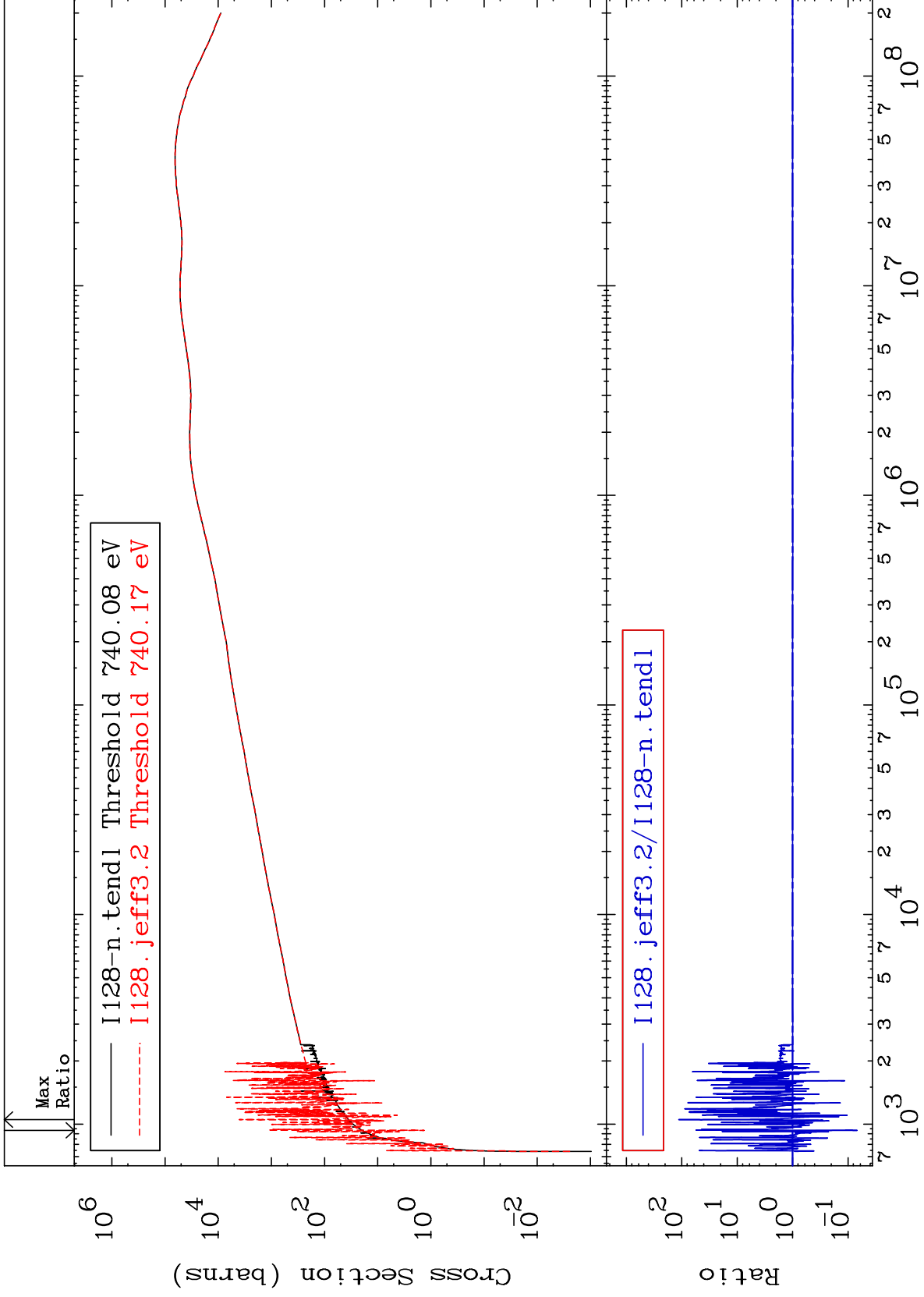
Incident Energy (eV)

53-I -128

MAT 5328

Dpa elastic (mt2)  
Cross Section

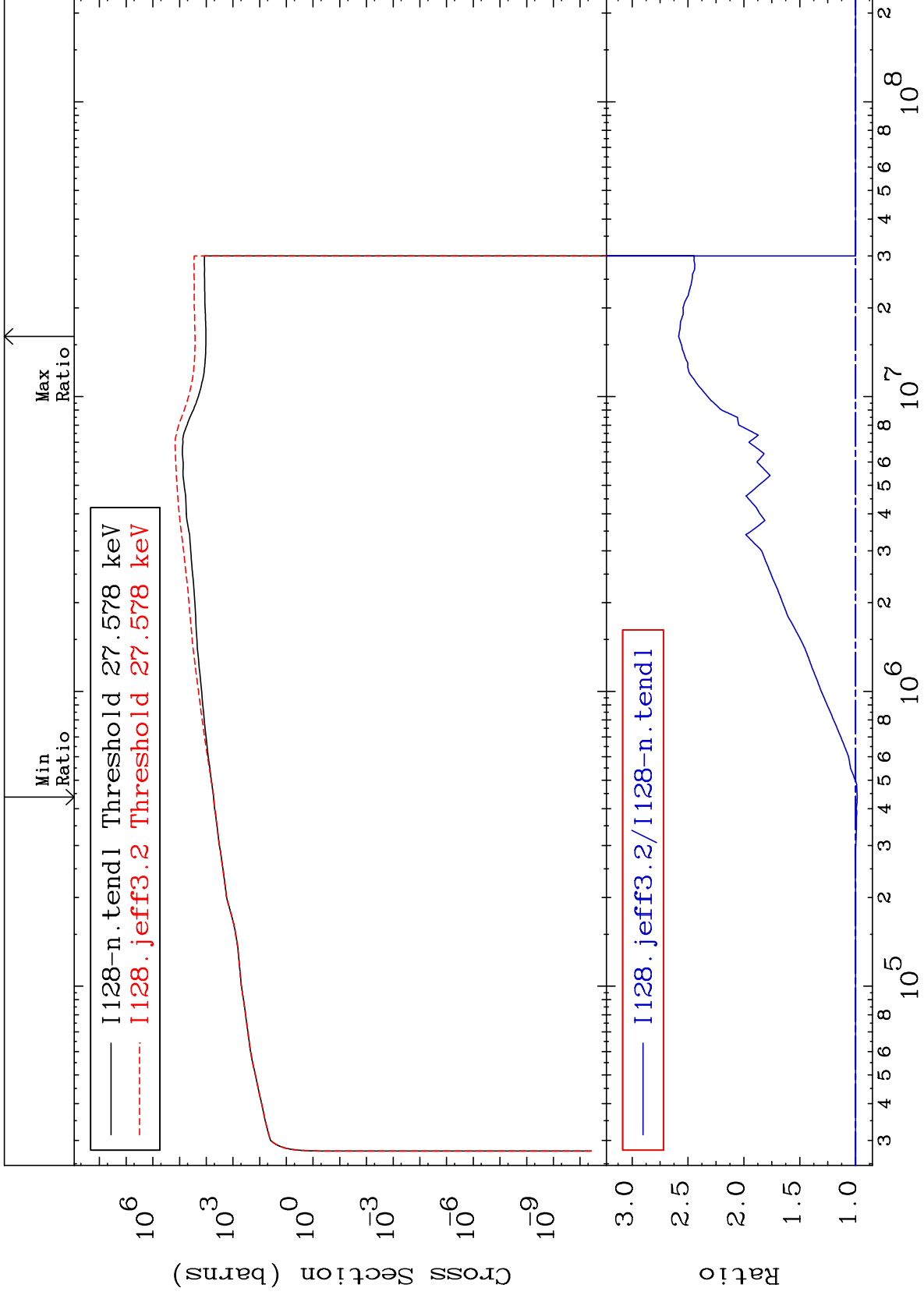
53-I -128  
-93.19 To 9999. %

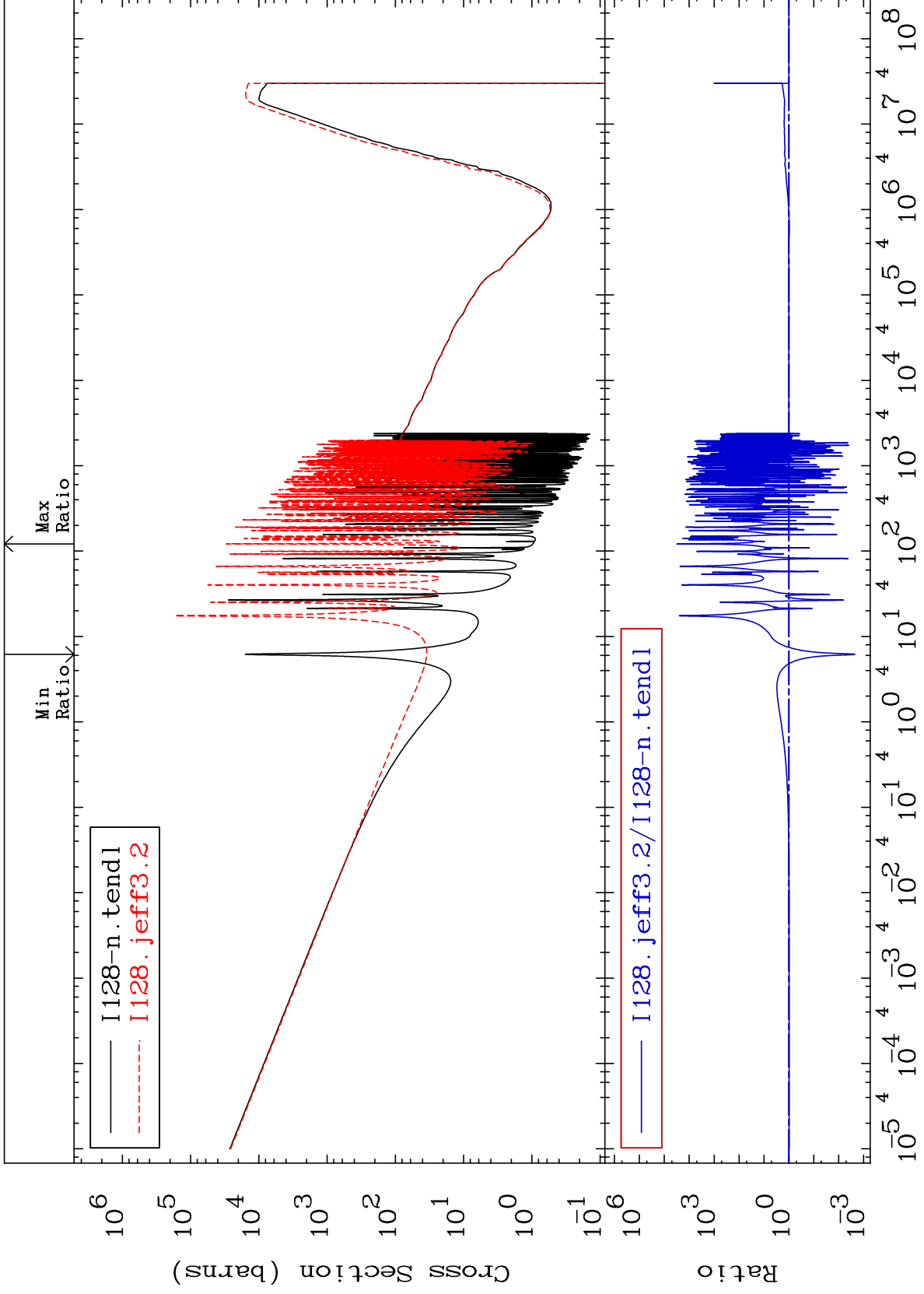


77

Incident Energy (eV)

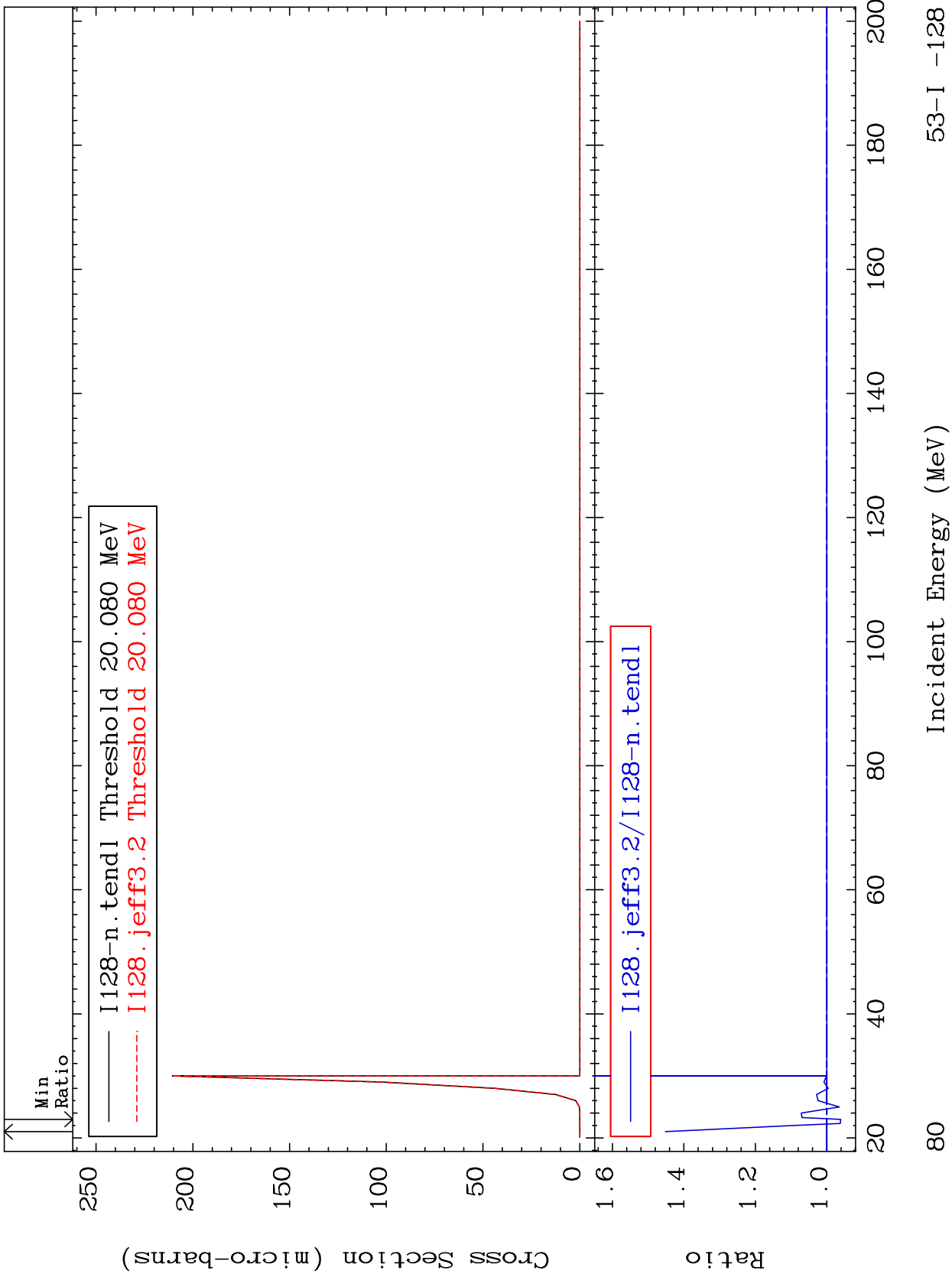
53-I -128





MAT 5328

(n,2n) d:52-Te-125g 53-I -128  
Radionuclide Production Cross Section -3.874 To 45.15 %

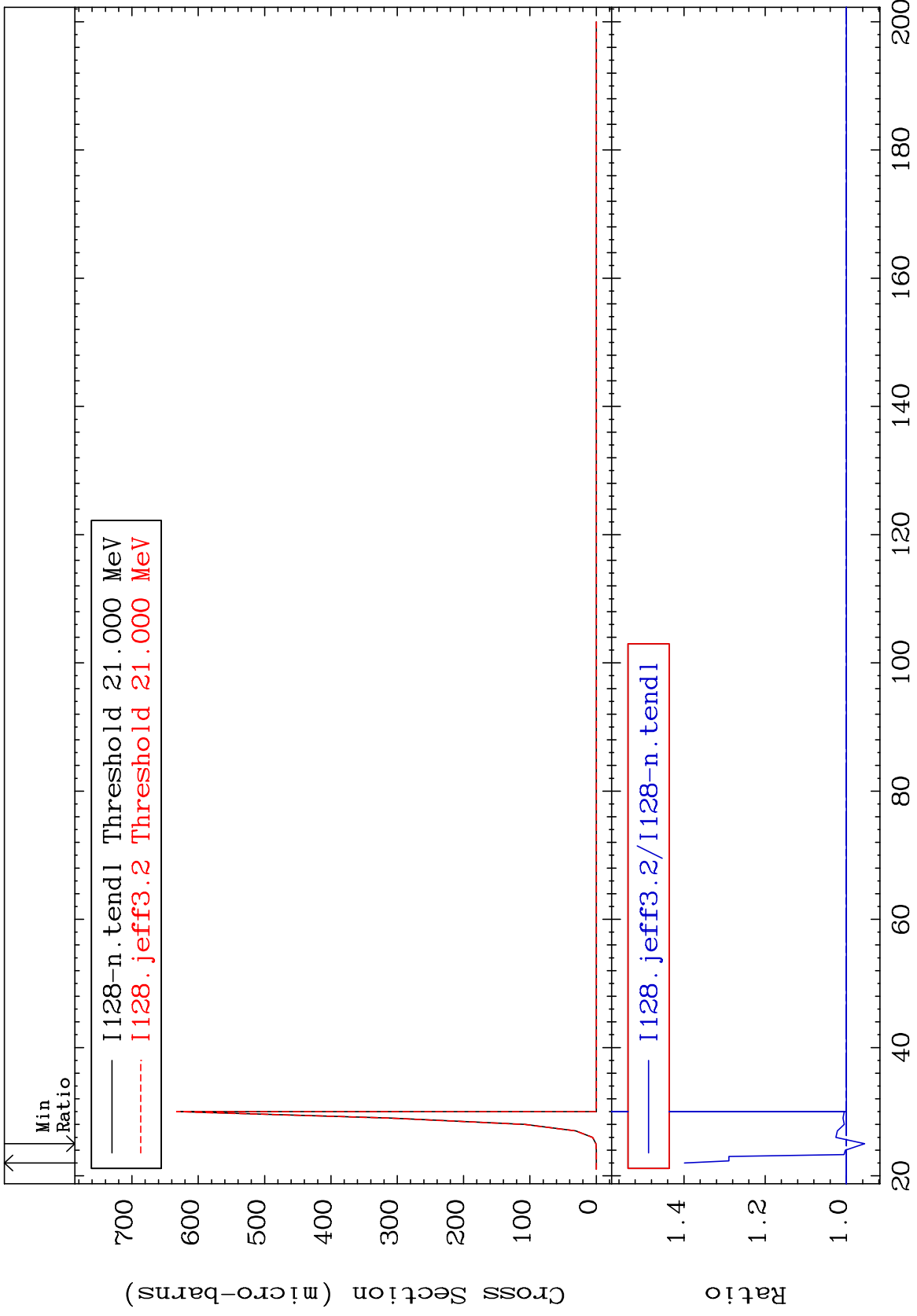


53-I -128

Incident Energy (MeV)

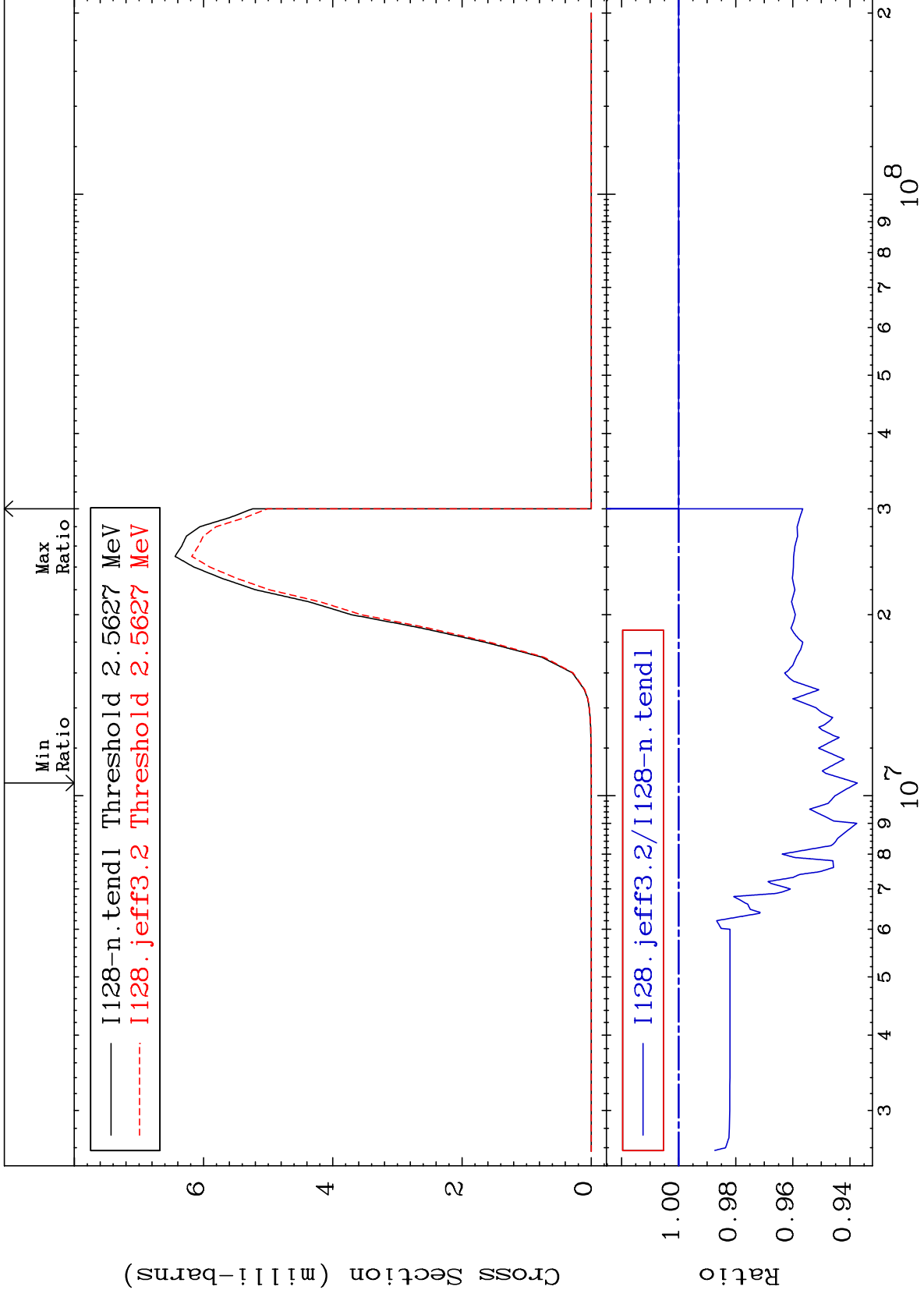
80





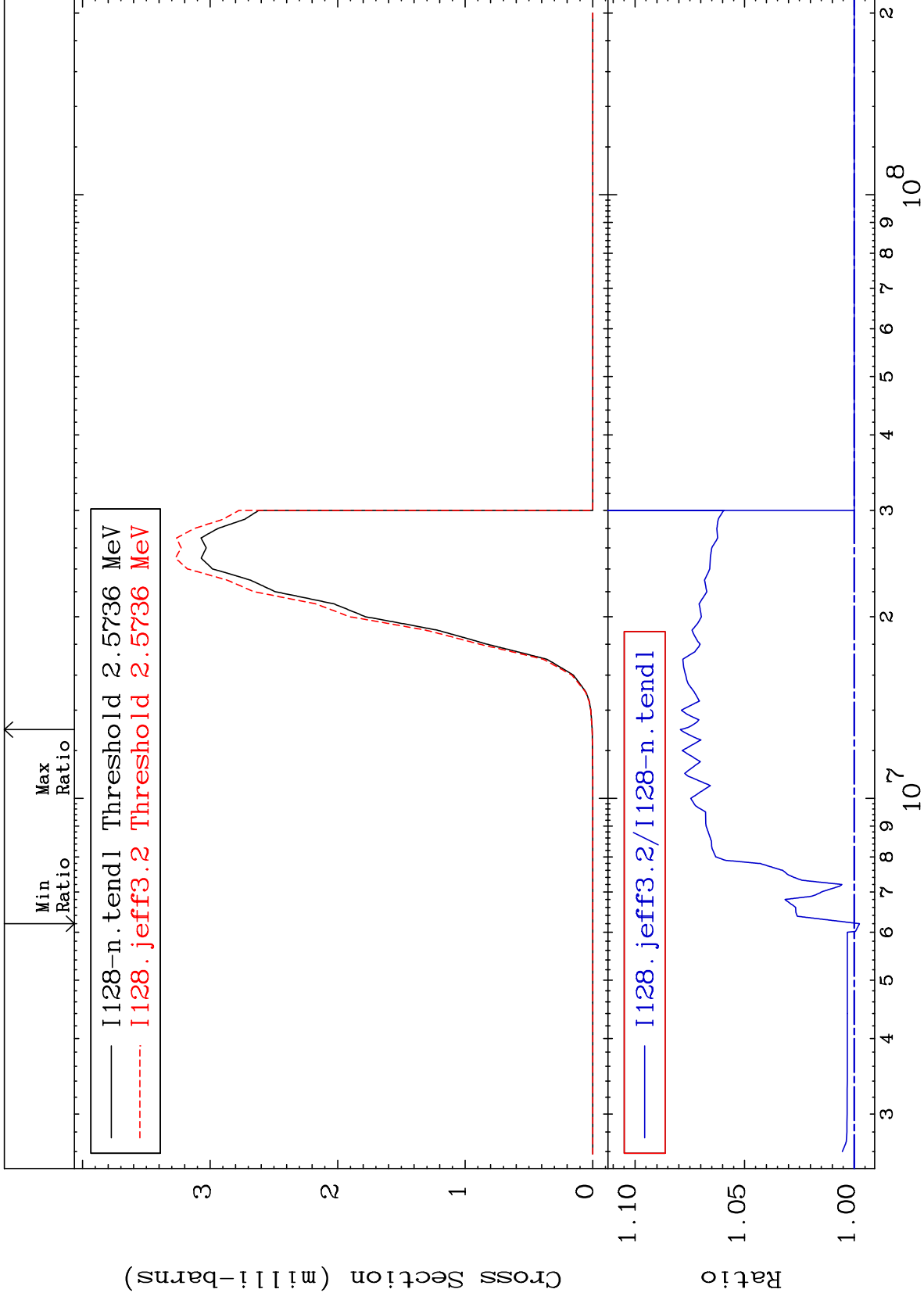
MAT 5328

(n, n')  $\alpha$ :51-Sb-124g 53-I -128  
Radionuclide Production Cross Section -6.257 To 0.000 %



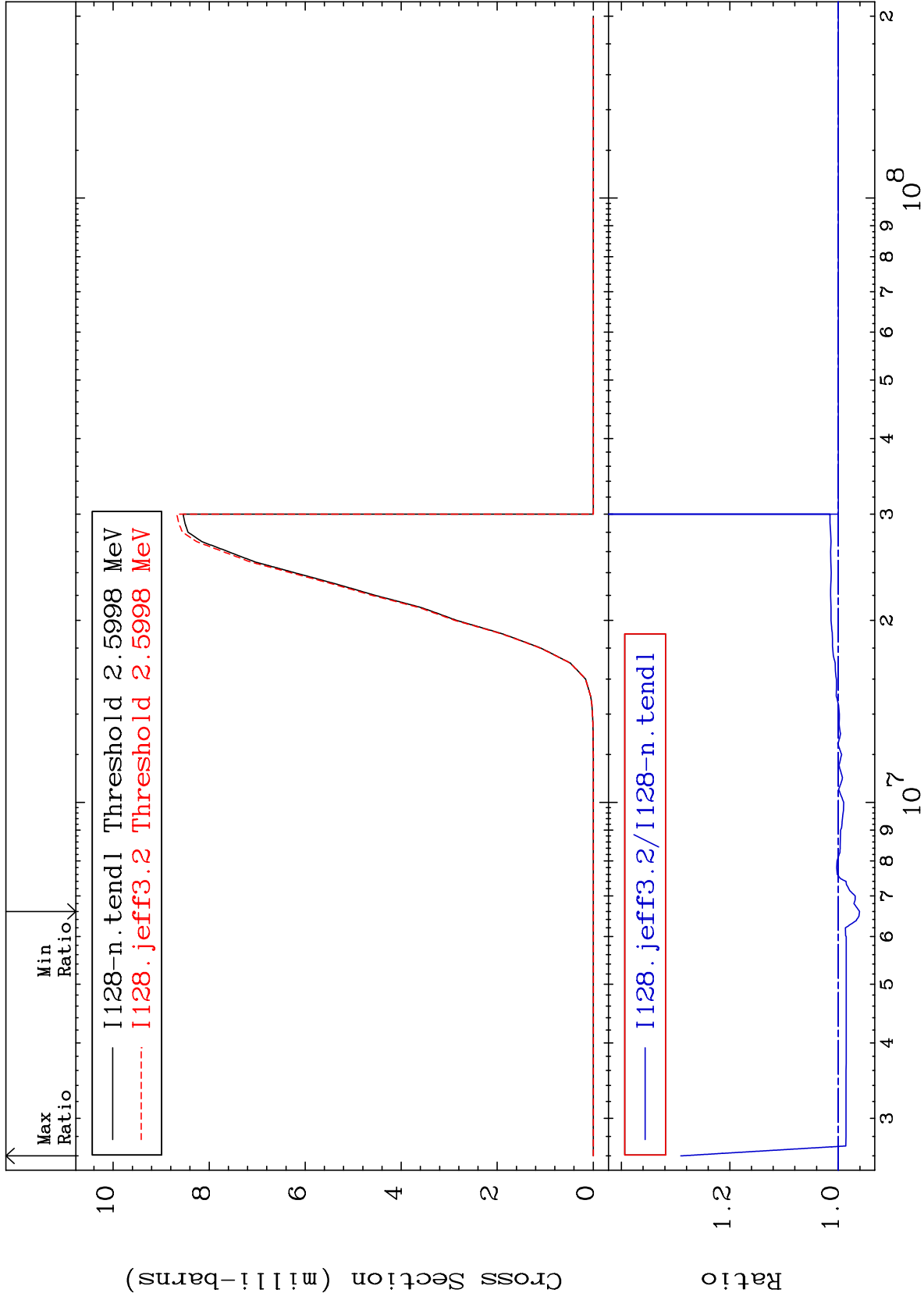
Radionuclide Production Cross Section

-0.239 To 7.931 %



Radionuclide Production Cross Section

-3.927 To 29.06 %



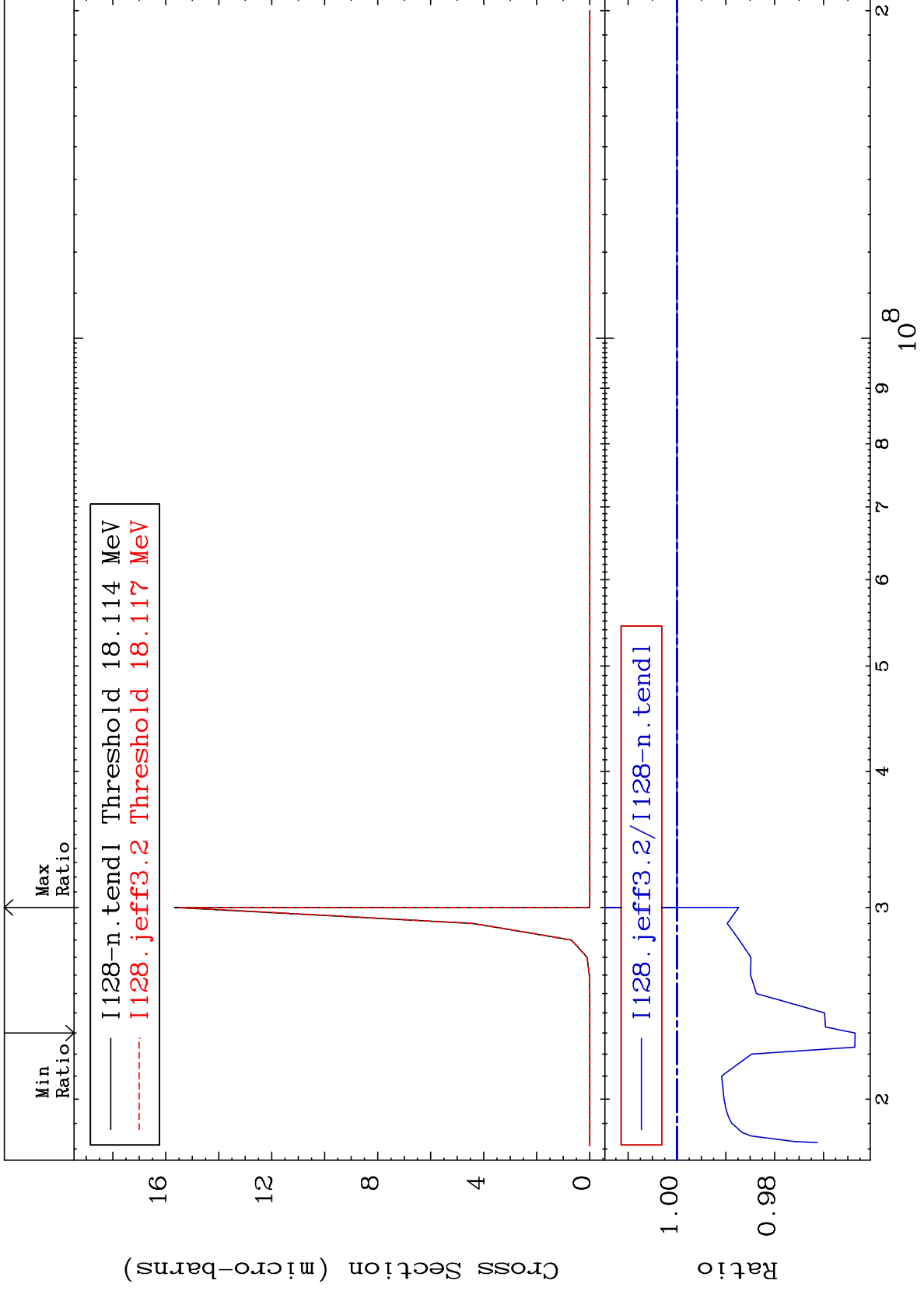
MAT 5328

(n,3n)  $\alpha$ :51-Sb-122g

53-I -128

Radionuclide Production Cross Section

-3.647 To 0.000 %

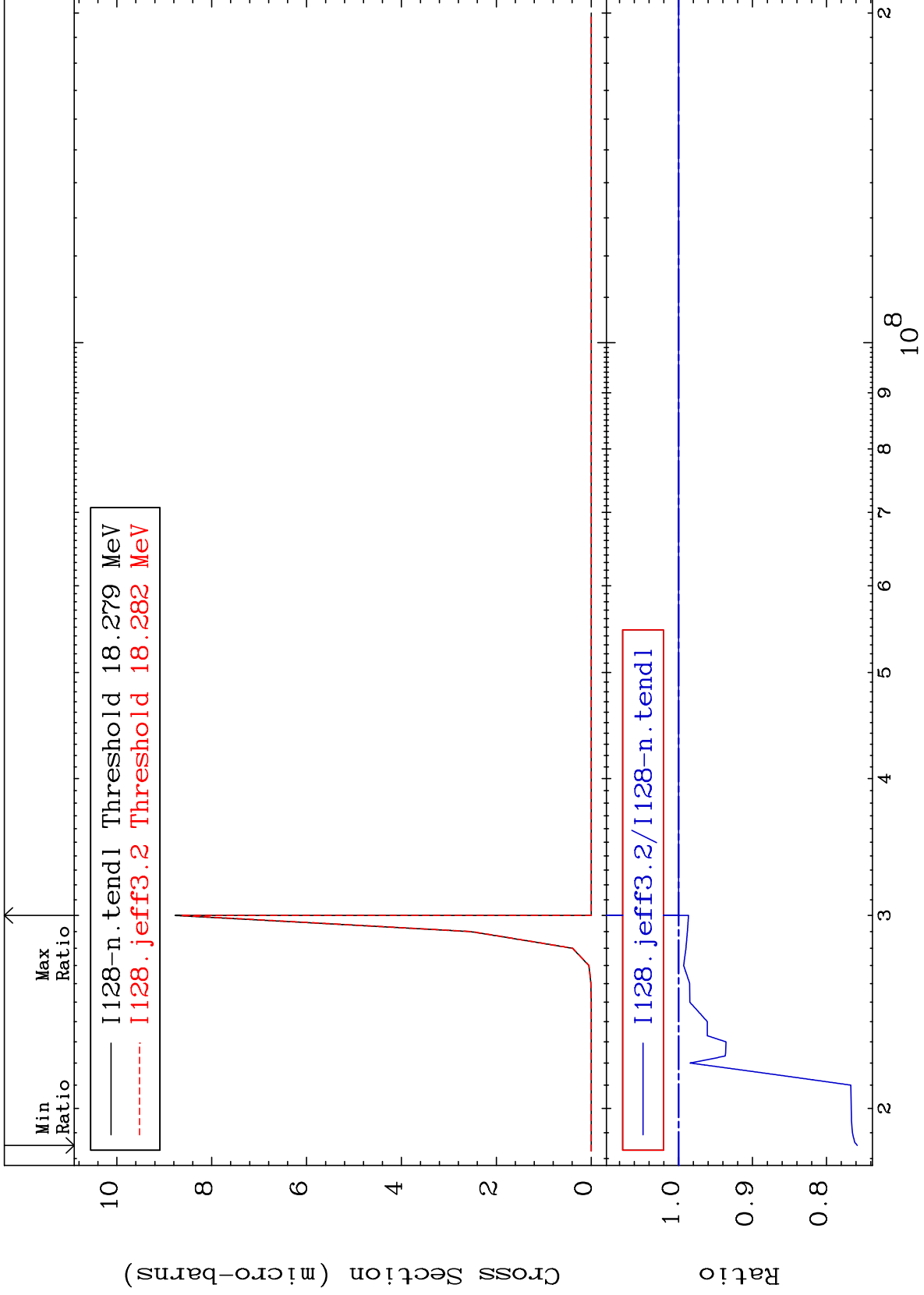


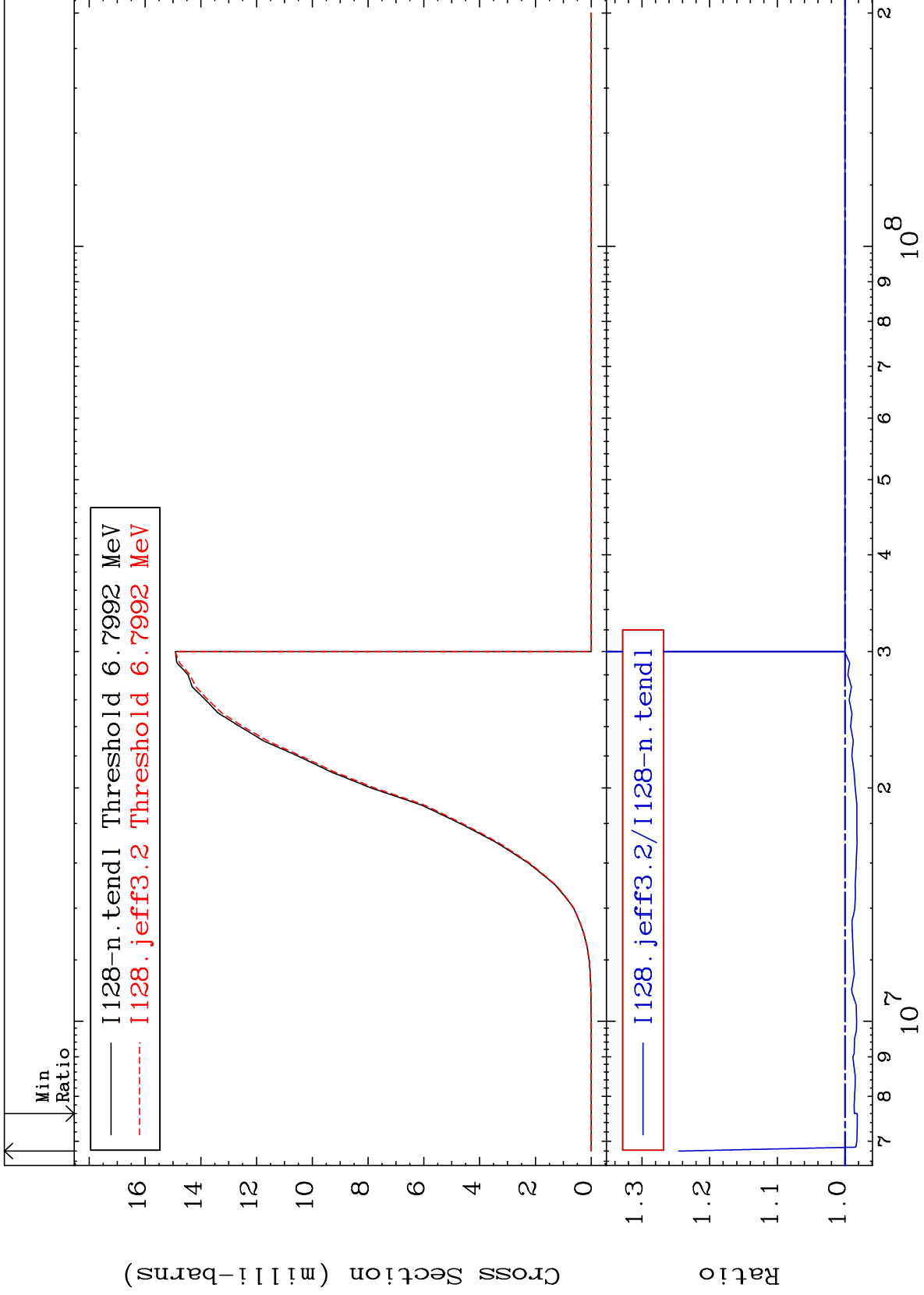
85

Incident Energy (eV)

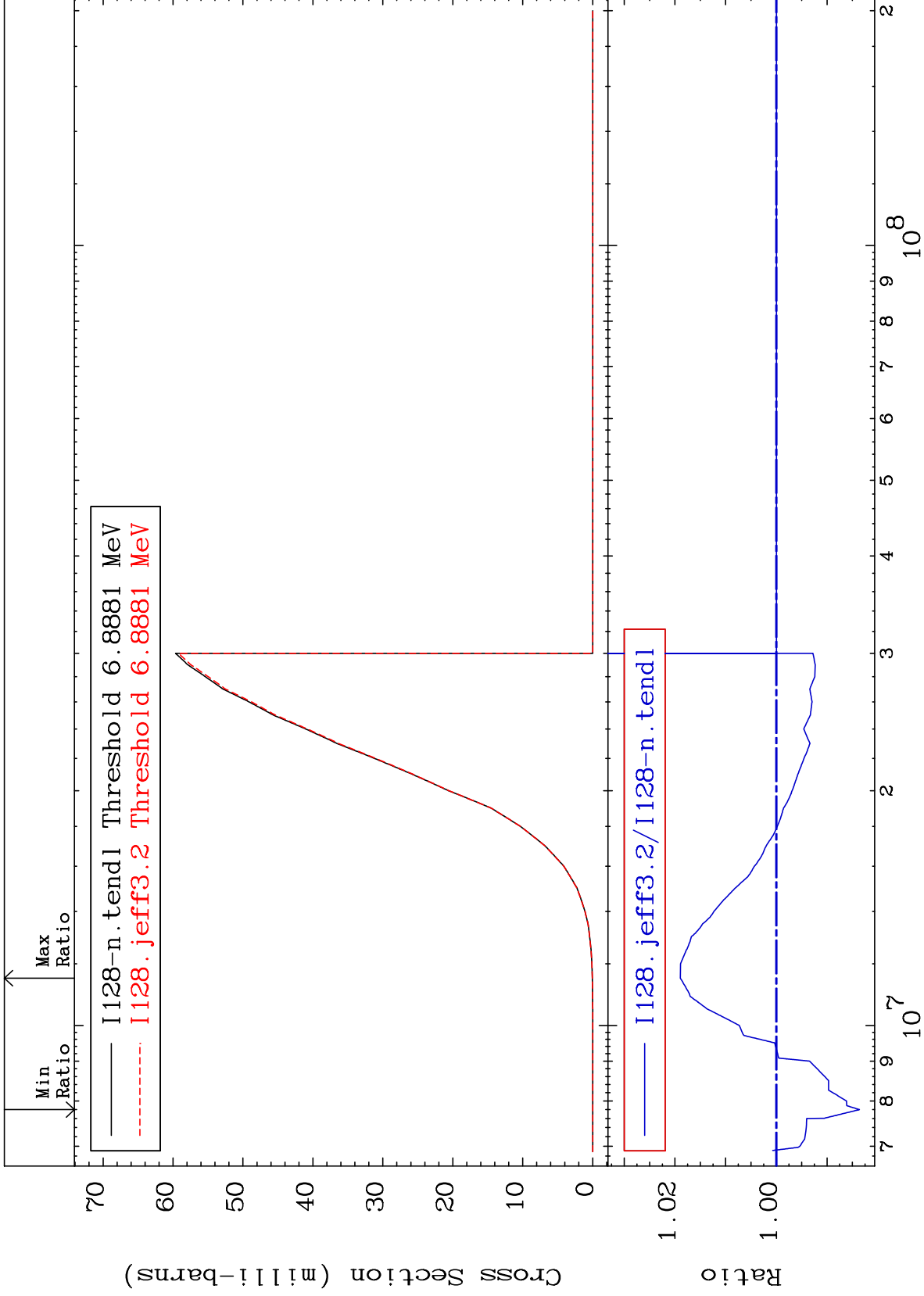
53-I -128

Radionuclide Production Cross Section -24.17 To 0.000 %

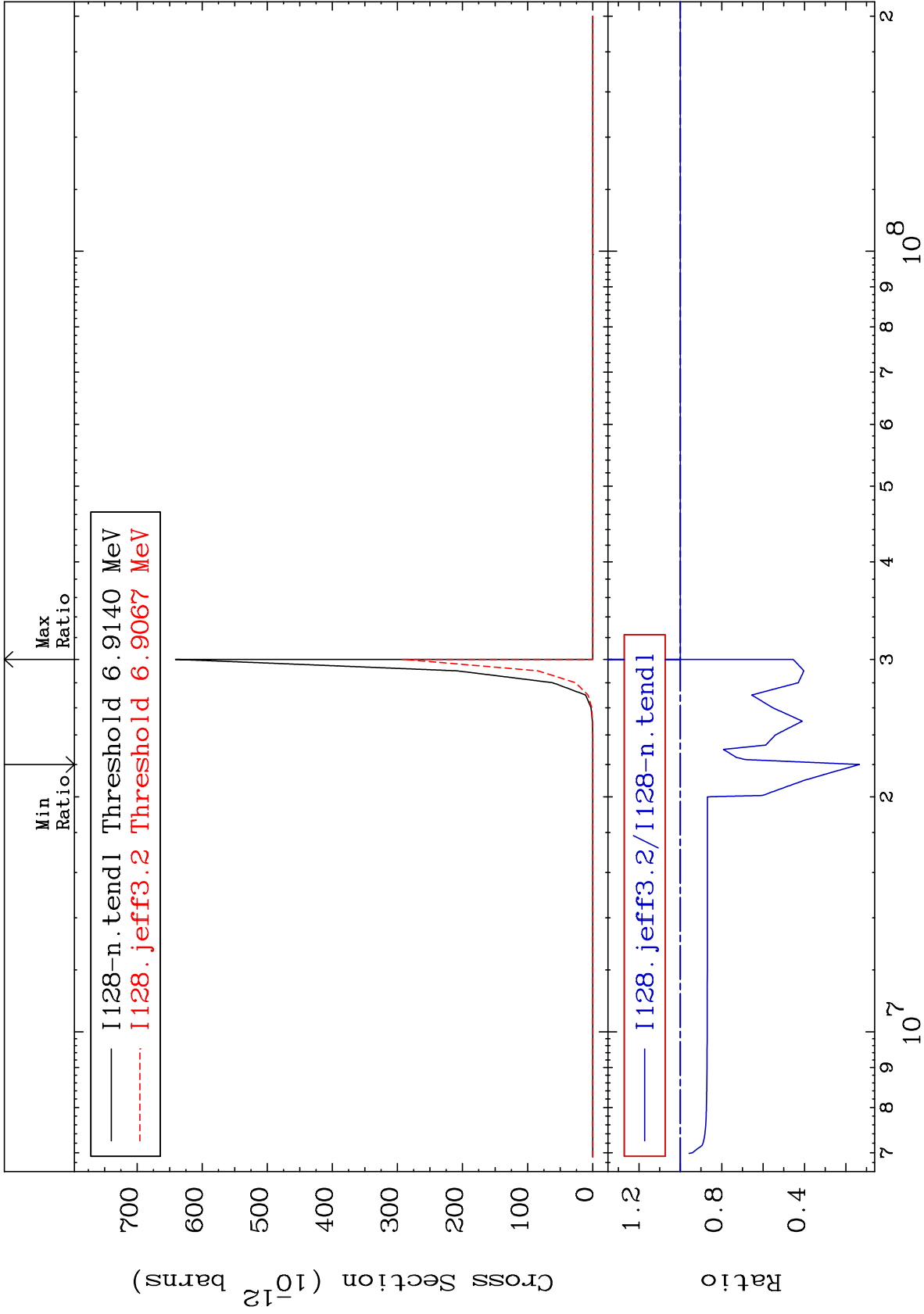




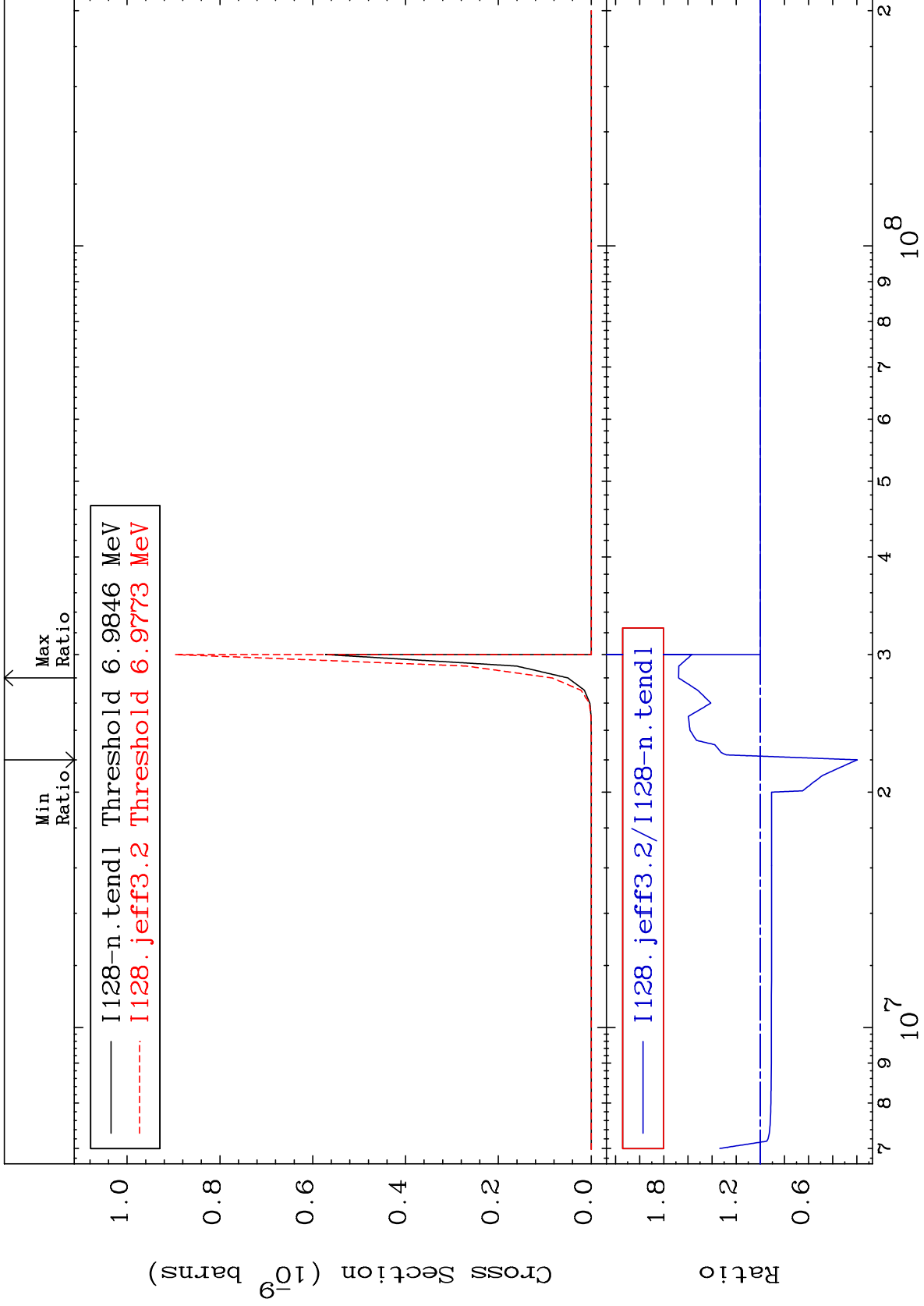
Radionuclide Production Cross Section -1.639 To 1.894 %

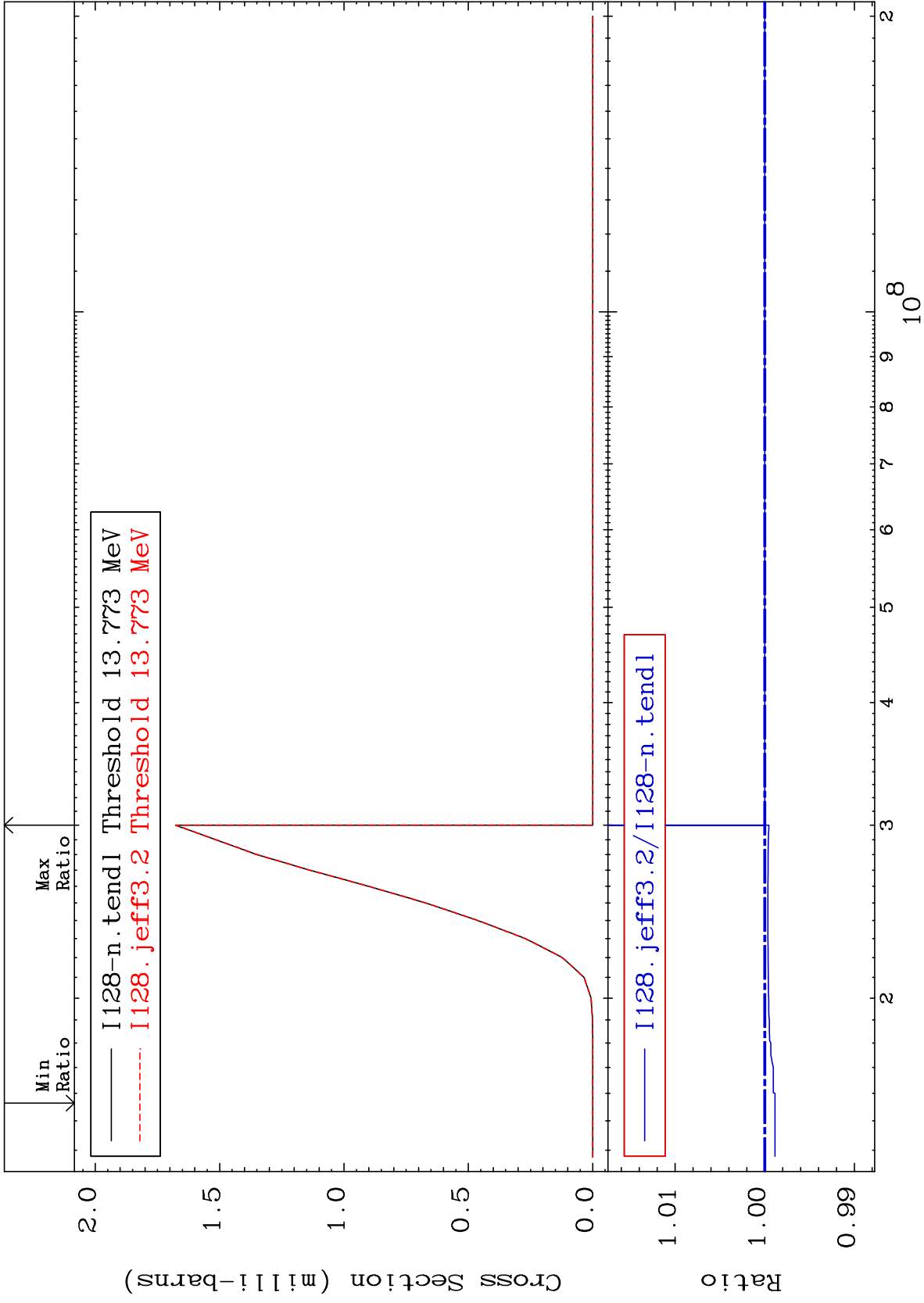




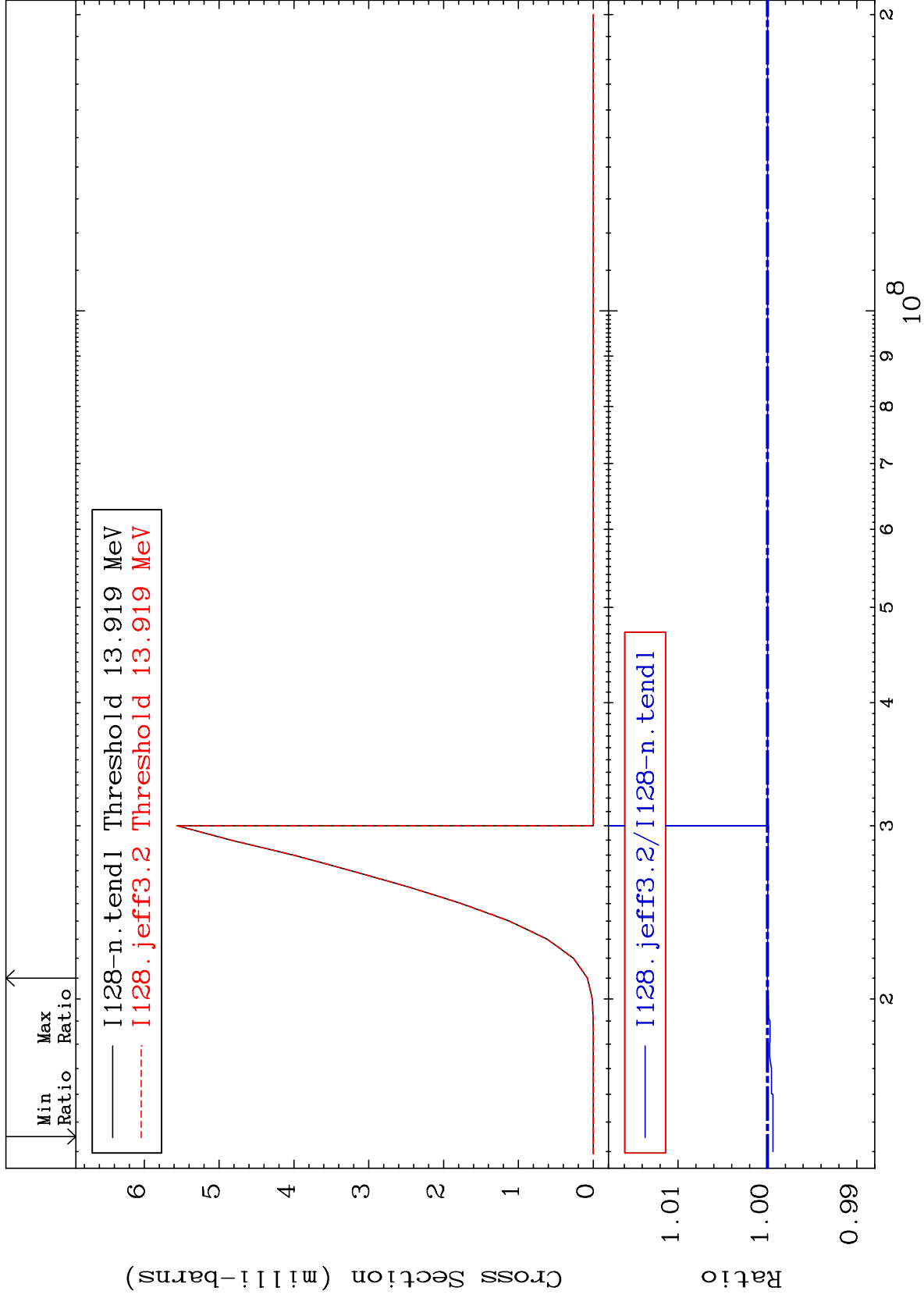


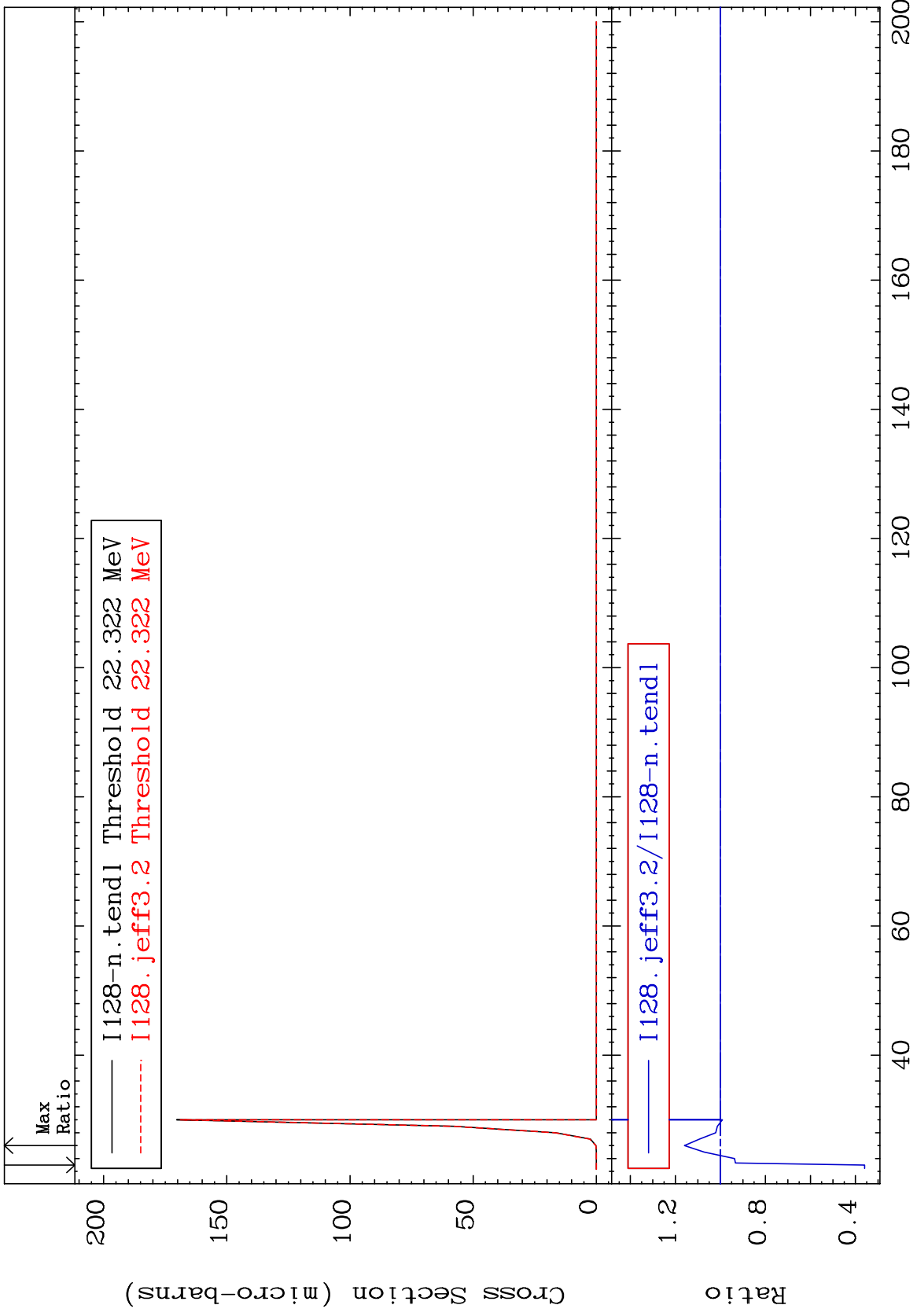
Radionuclide Production Cross Section -80.32 To 67.78 %



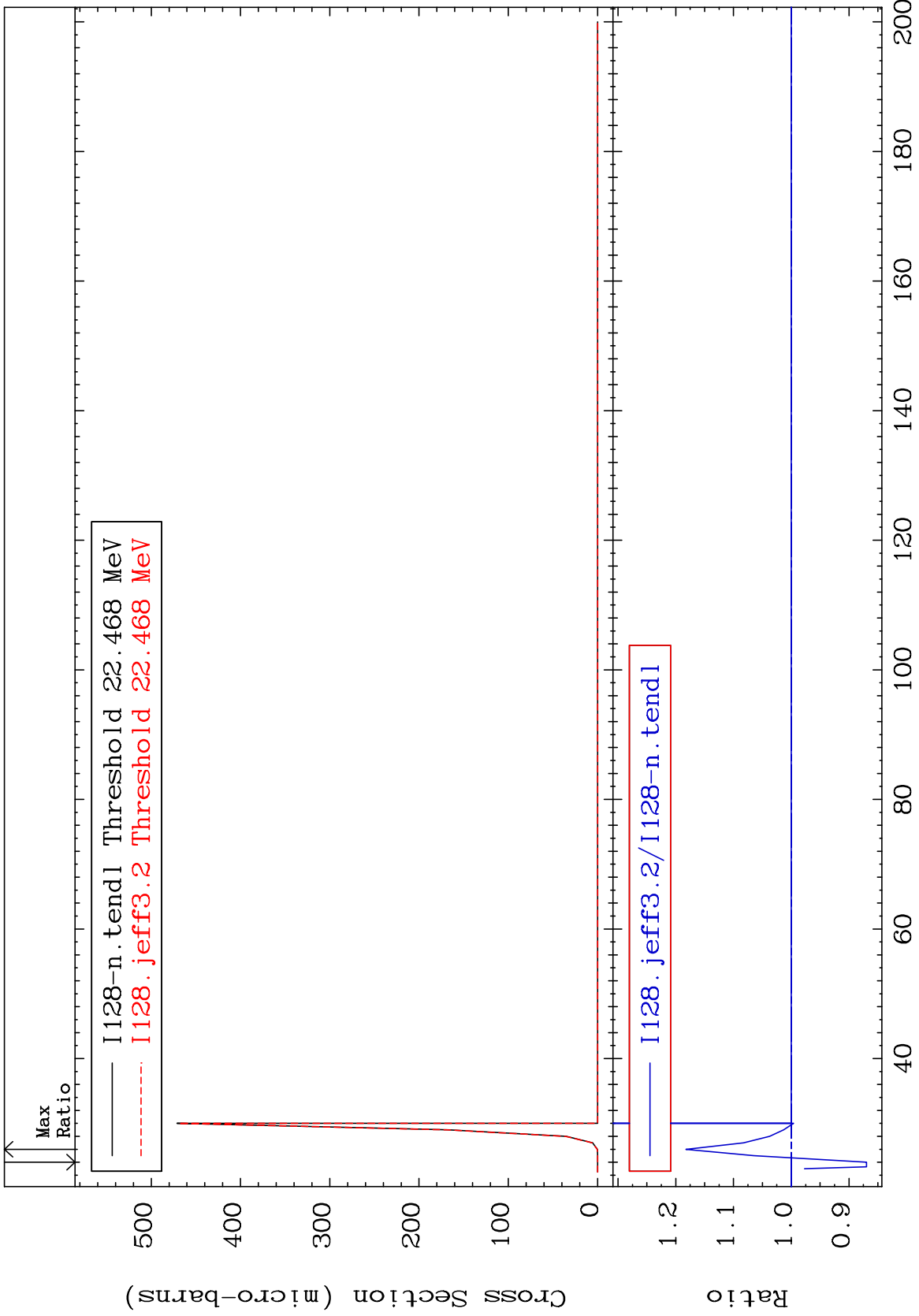


Radionuclide Production Cross Section -0.062 To 0.002 %

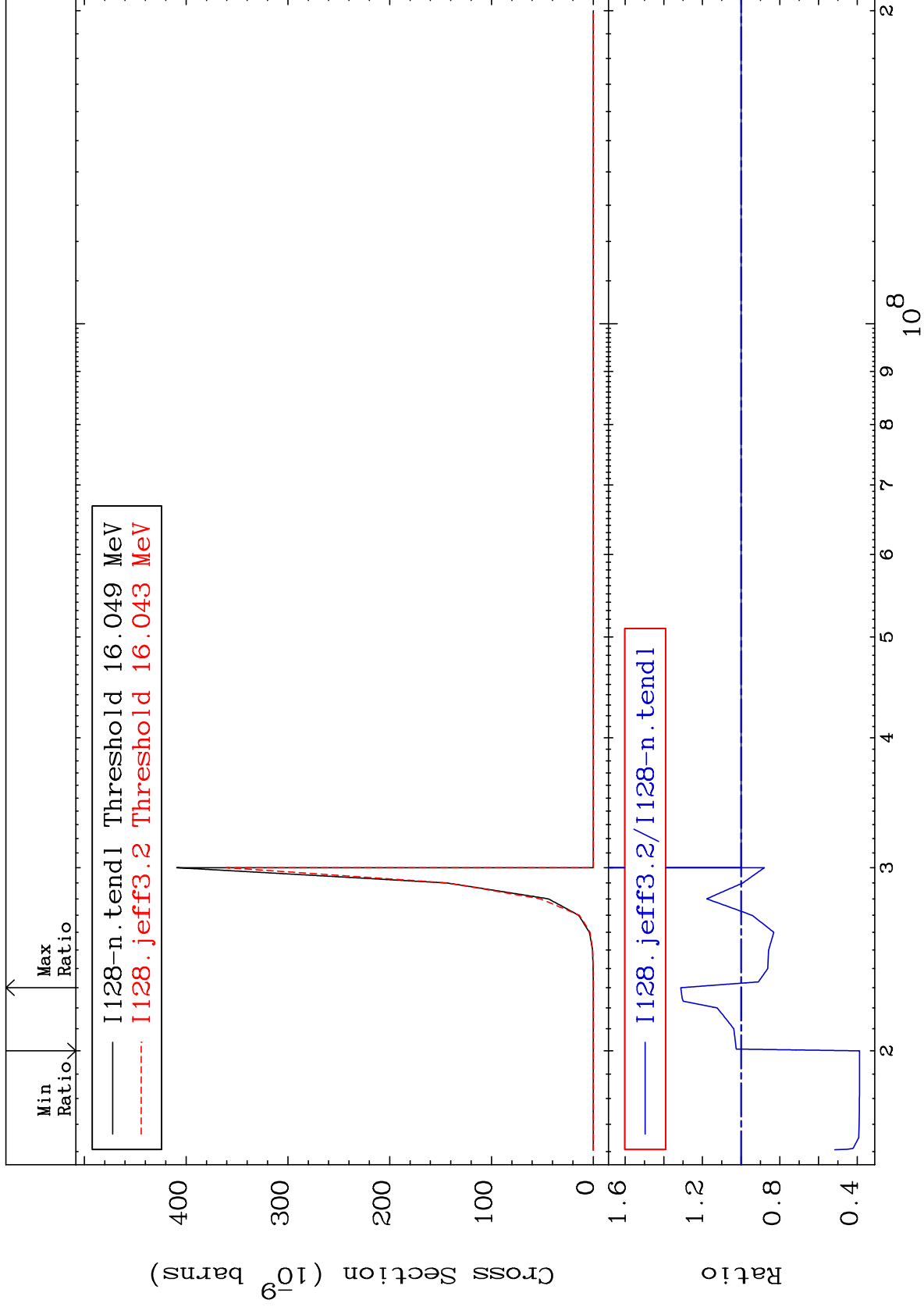




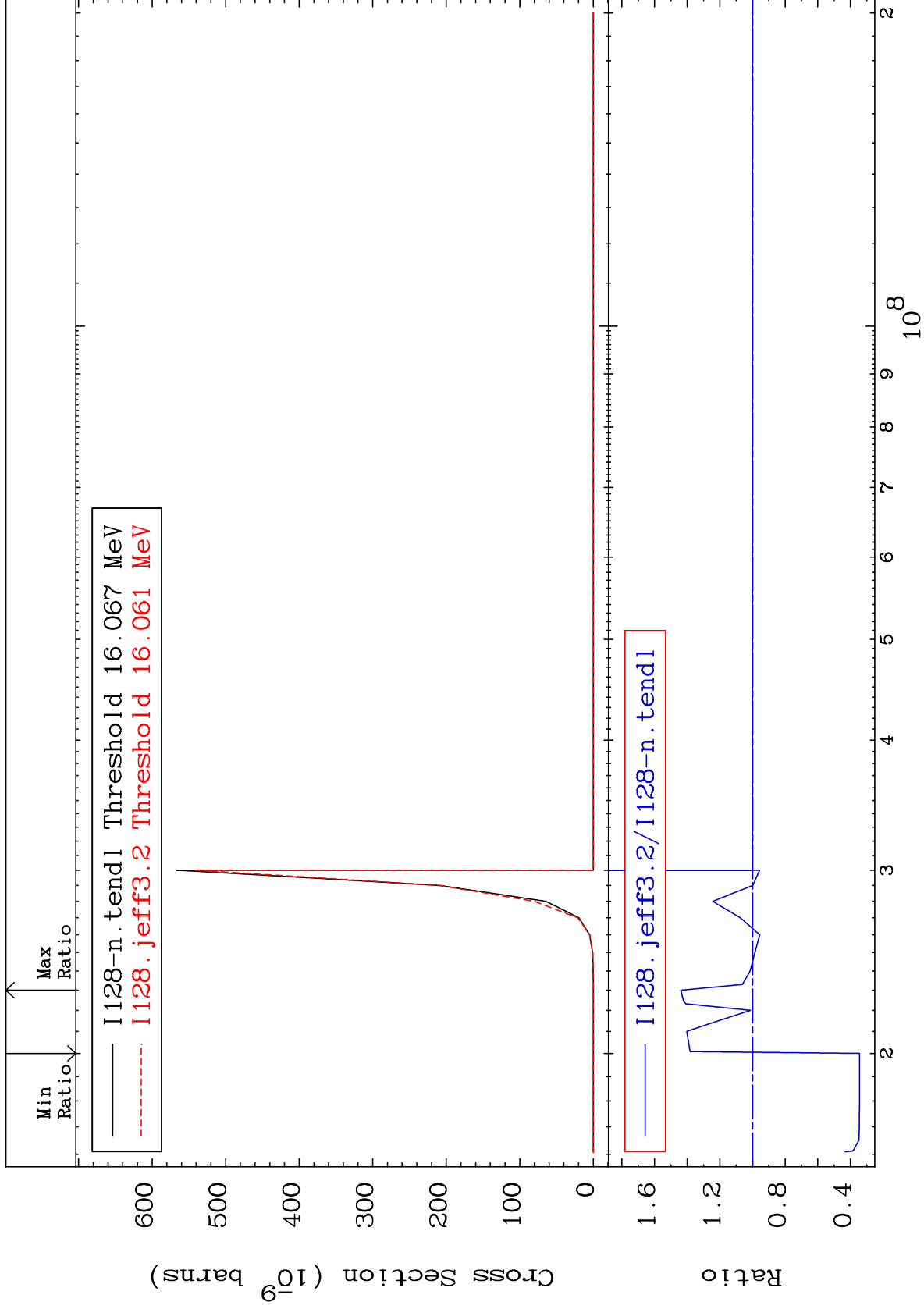
Radionuclide Production Cross Section -13.03 To 18.23 %



Radionuclide Production Cross Section -61.21 To 31.21 %

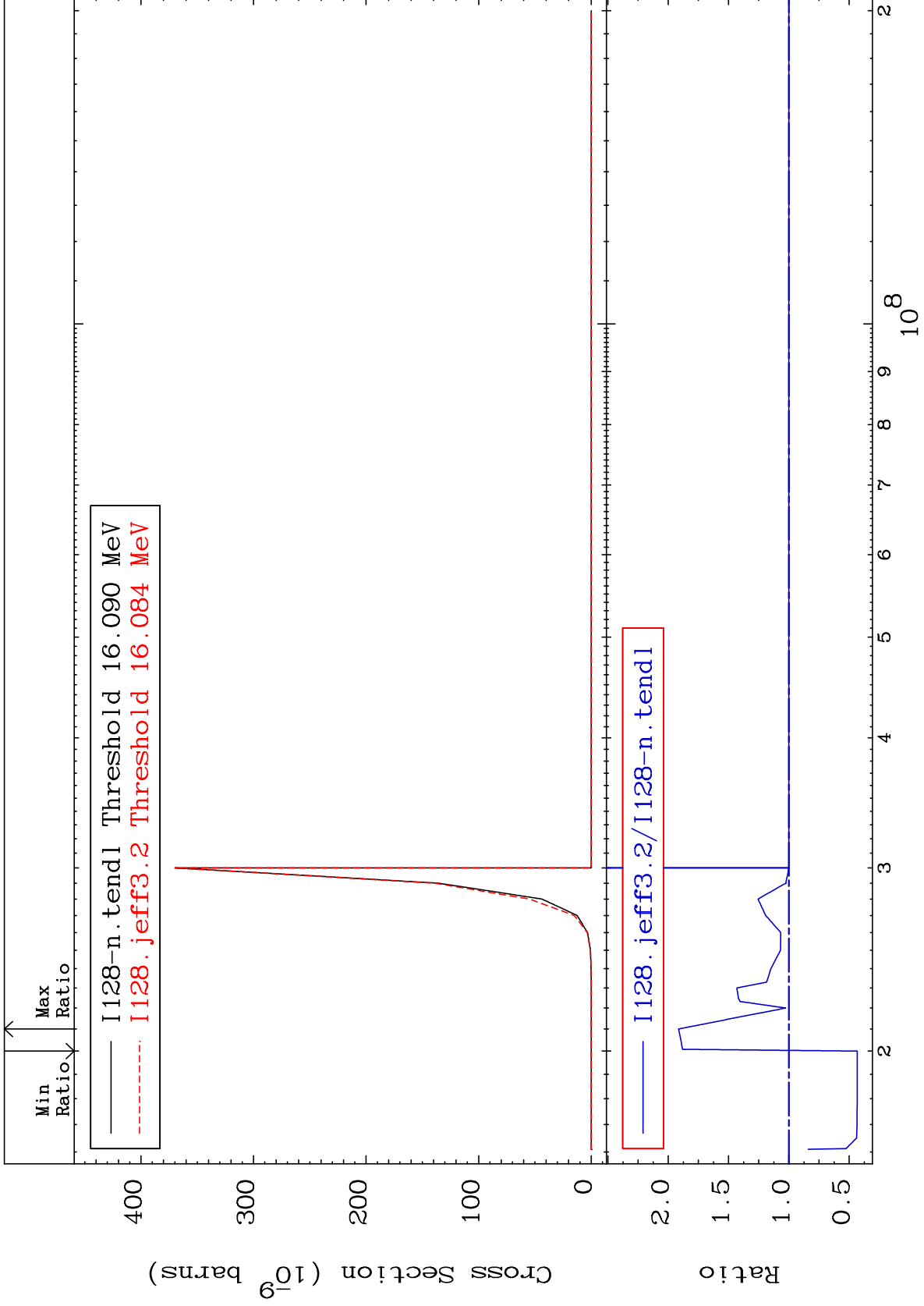


Radionuclide Production Cross Section -65.57 To 43.94 %



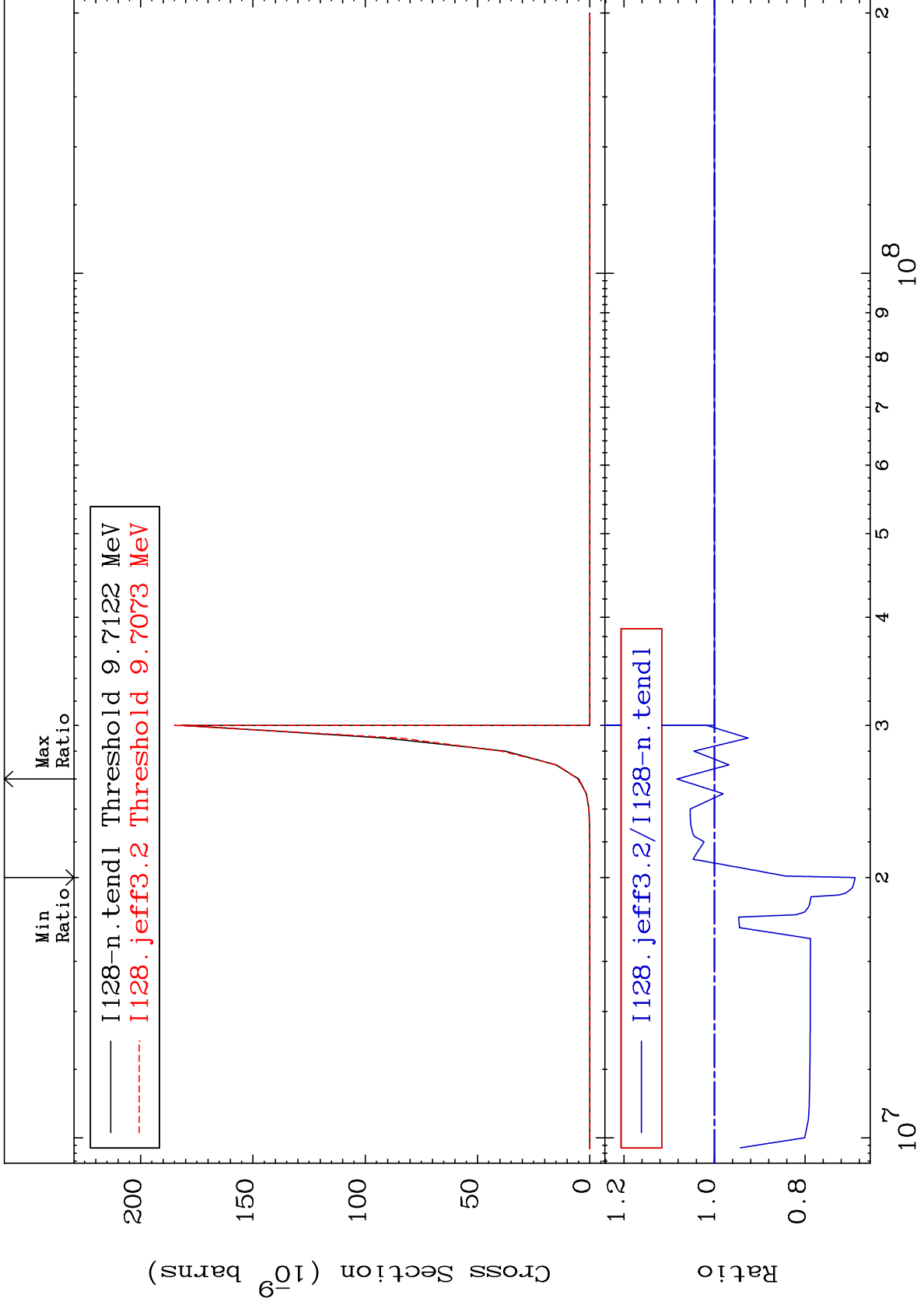


Radionuclide Production Cross Section -56.70 To 91.39 %



MAT 5328

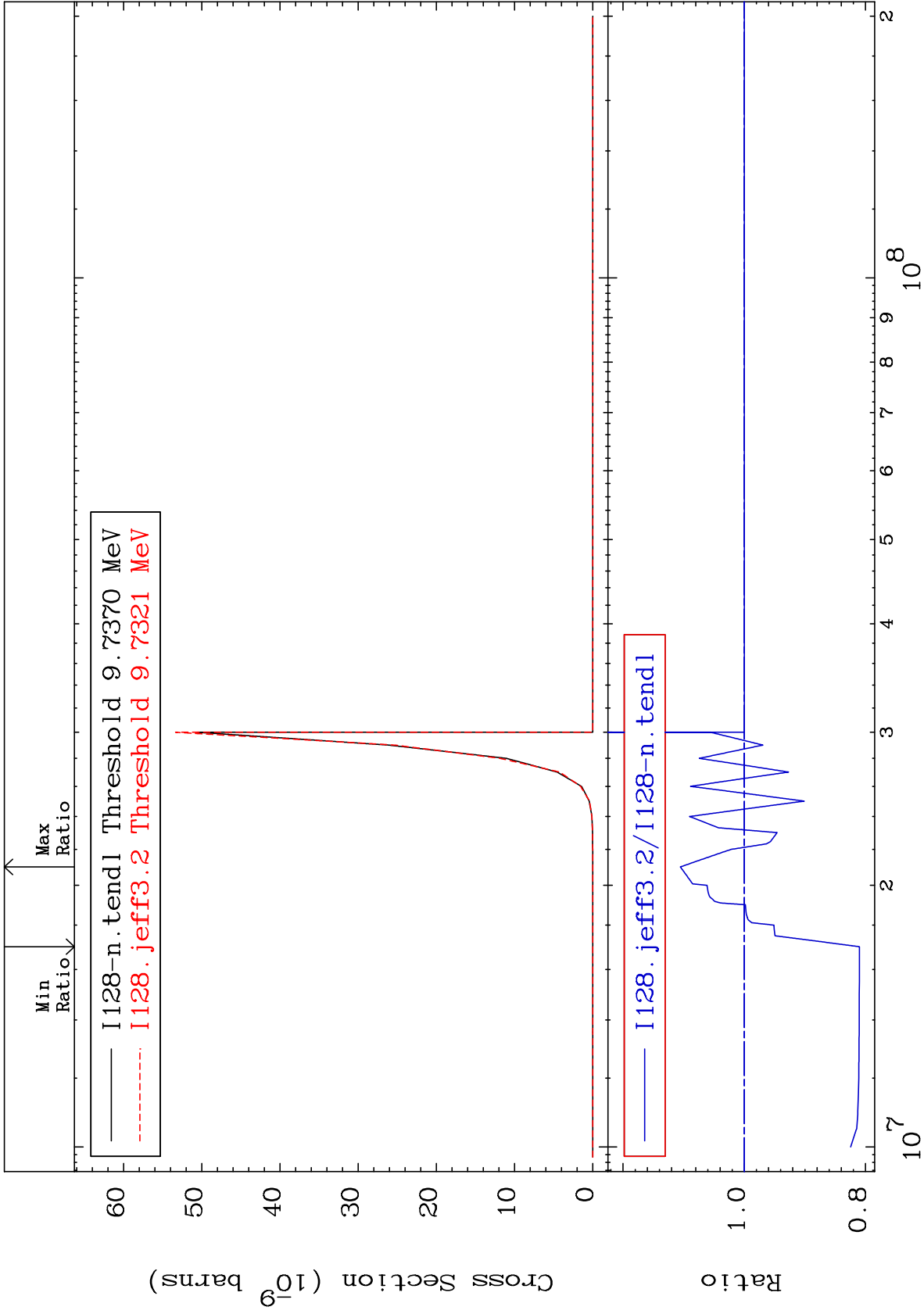
(n, n') p  $\alpha$ :50-Sn-123g 53-I -128  
Radionuclide Production Cross Section -31.06 To 8.287 %



98

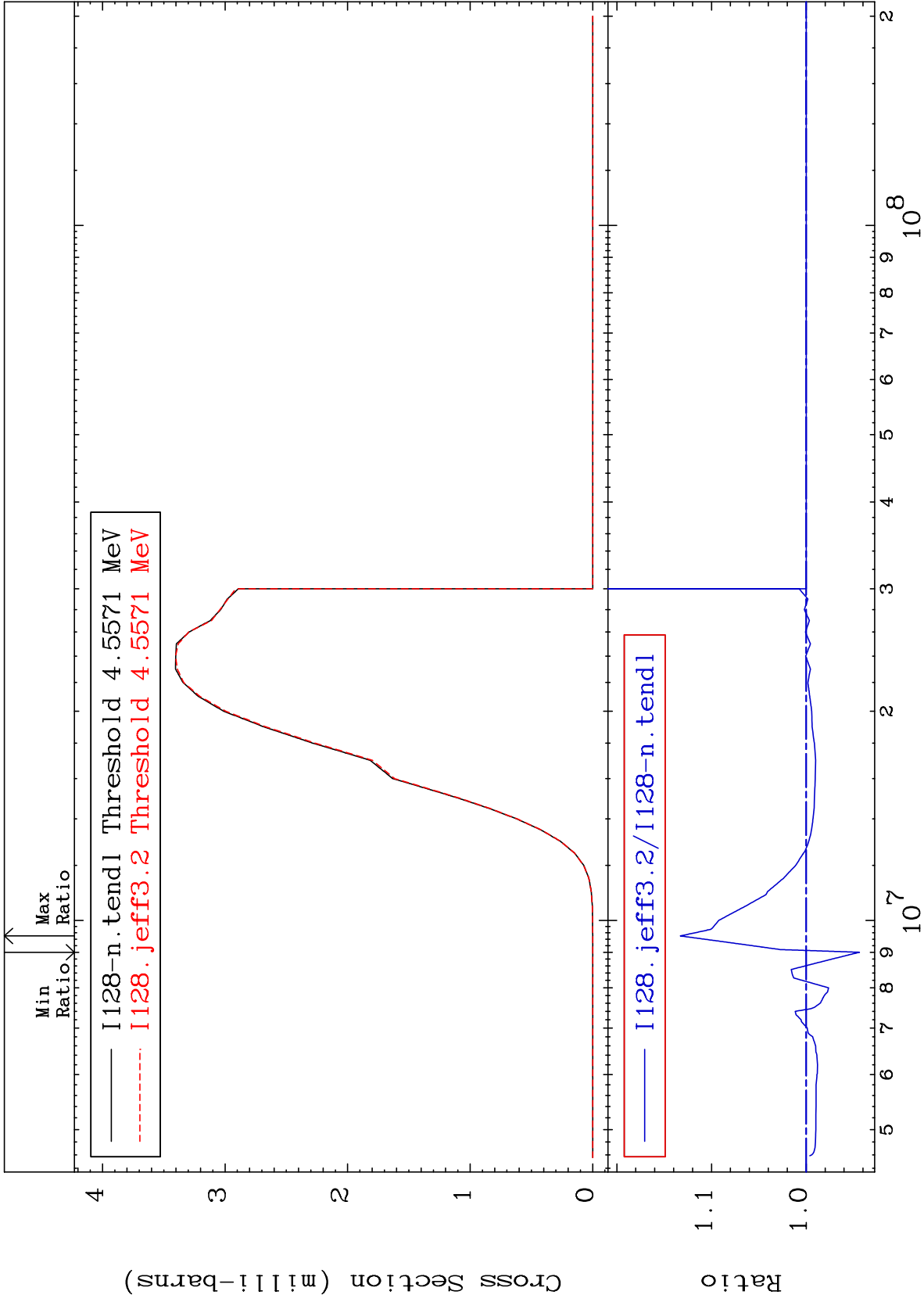
Incident Energy (eV)

53-I -128



MAT 5328

(n, d) : 52-Te-127g 53-I -128  
Radionuclide Production Cross Section -5.620 To 13.29 %

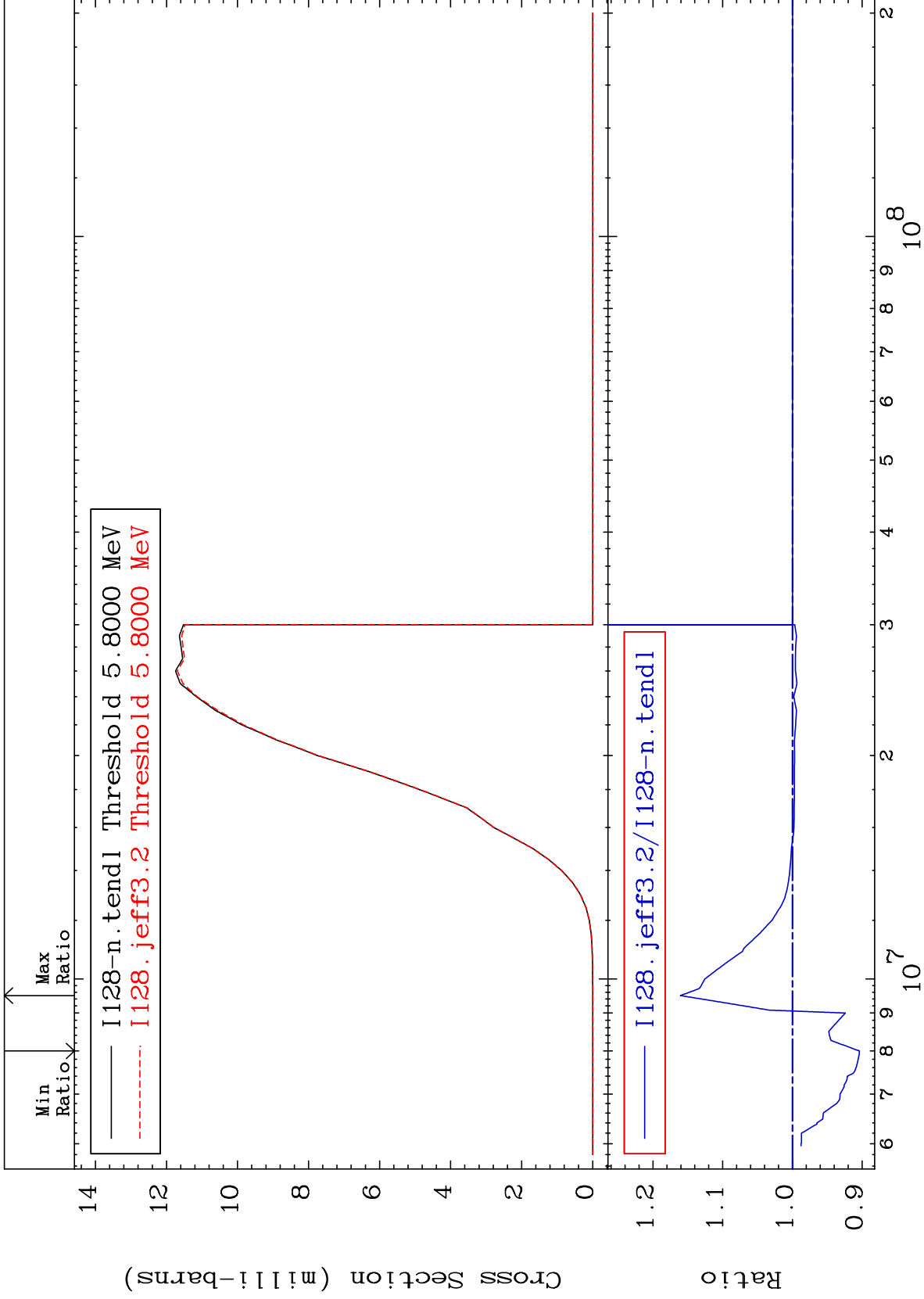


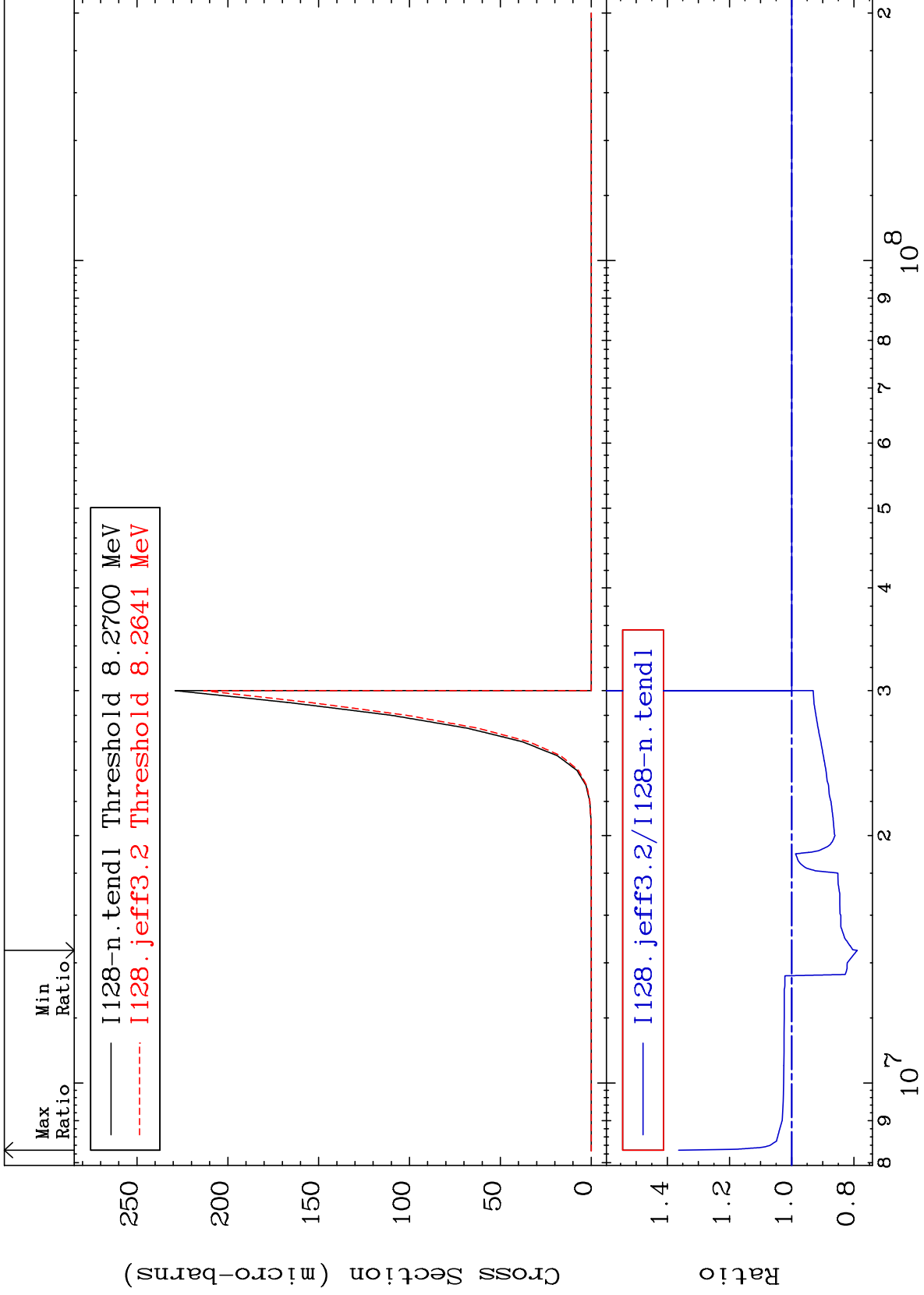
100

Incident Energy (eV)

53-I -128

Radionuclide Production Cross Section -9.617 To 16.07 %



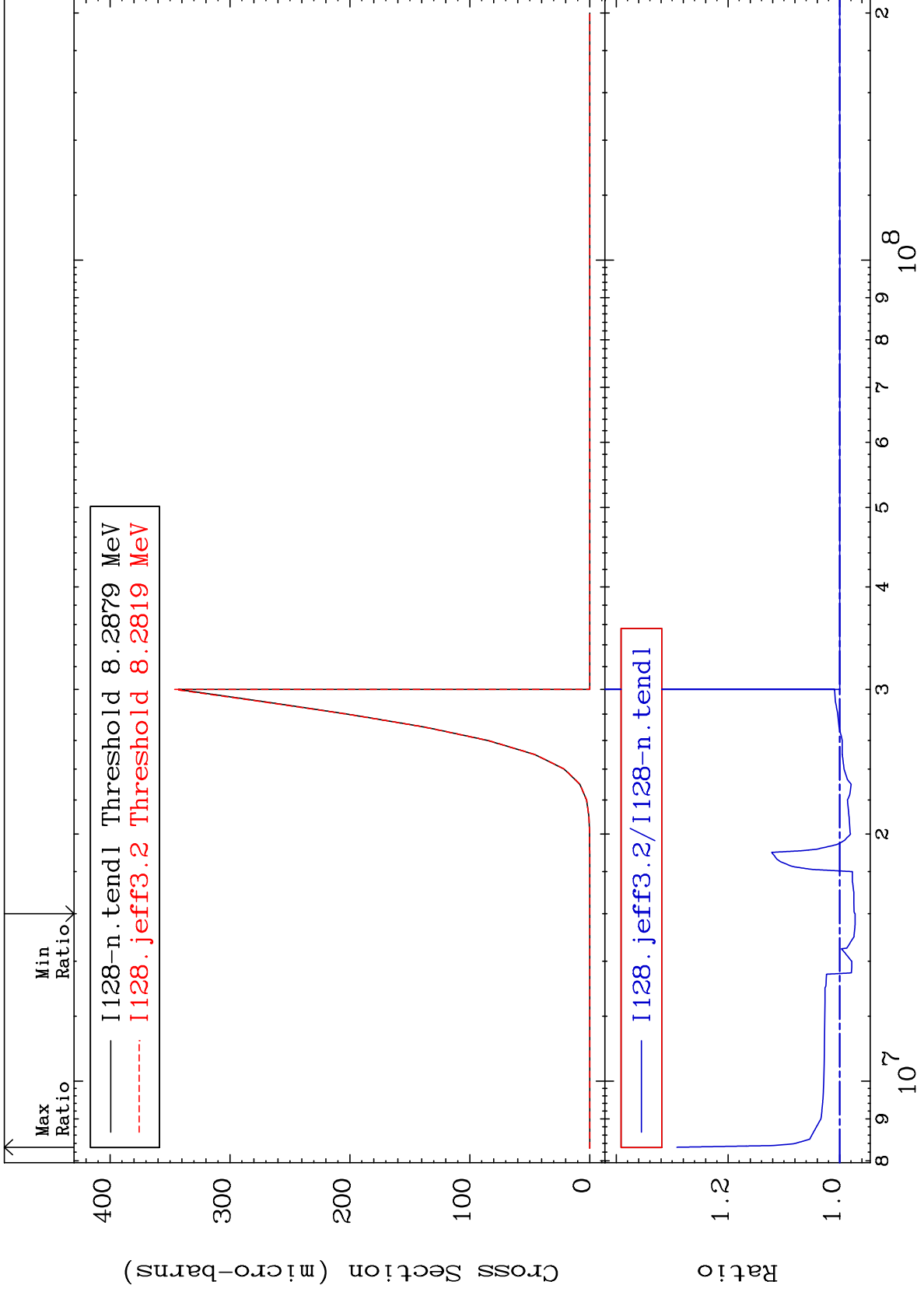


MAT 5328

(n,He-3):51-Sb-126m1

53-I -128

Radionuclide Production Cross Section -2.762 To 29.15 %



103

Incident Energy (eV)

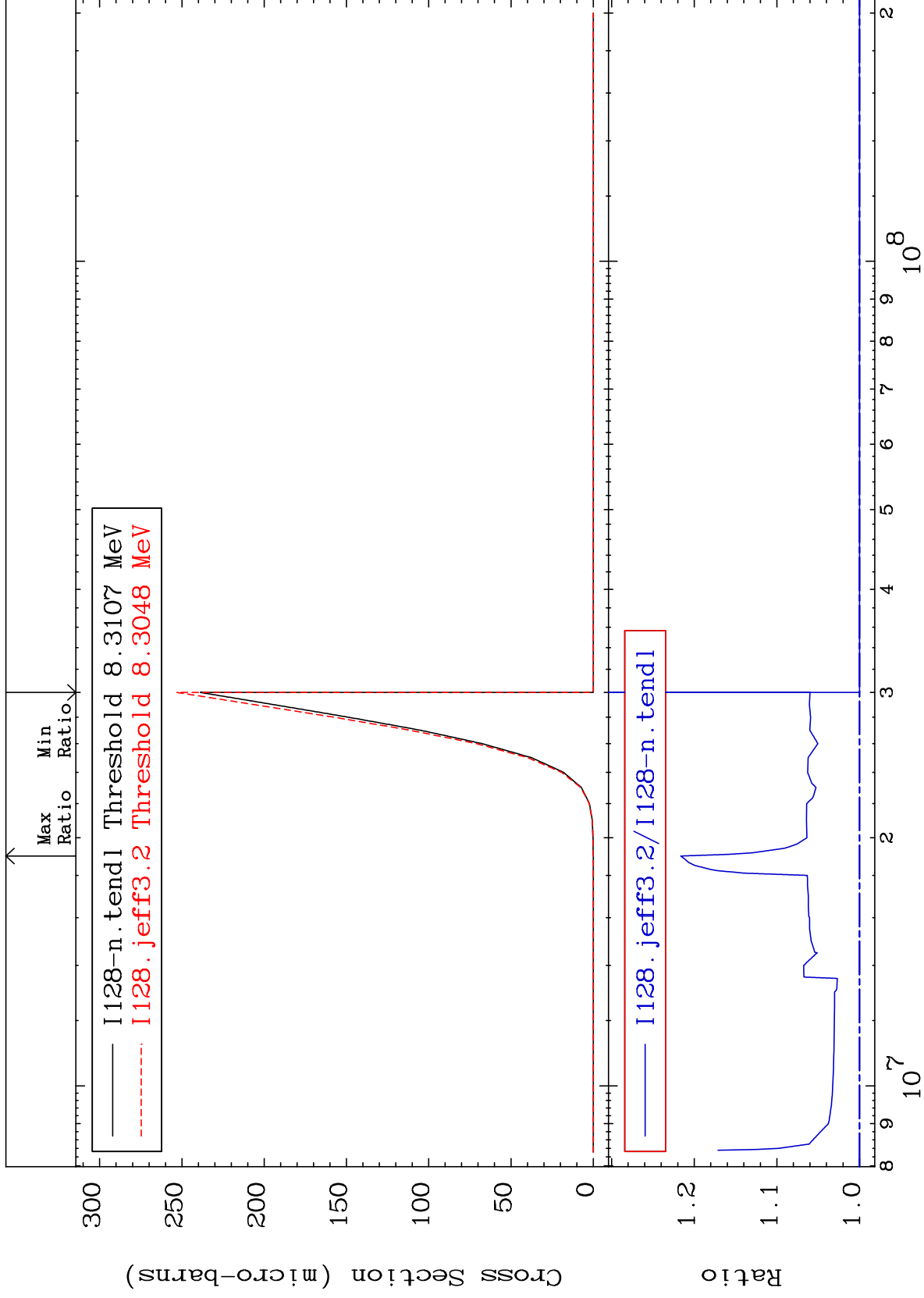
53-I -128

MAT 5328

(n,He-3):51-Sb-126m2

53-I -128

Radionuclide Production Cross Section 0.000 To 21.63 %



104

Incident Energy (eV)

53-I -128

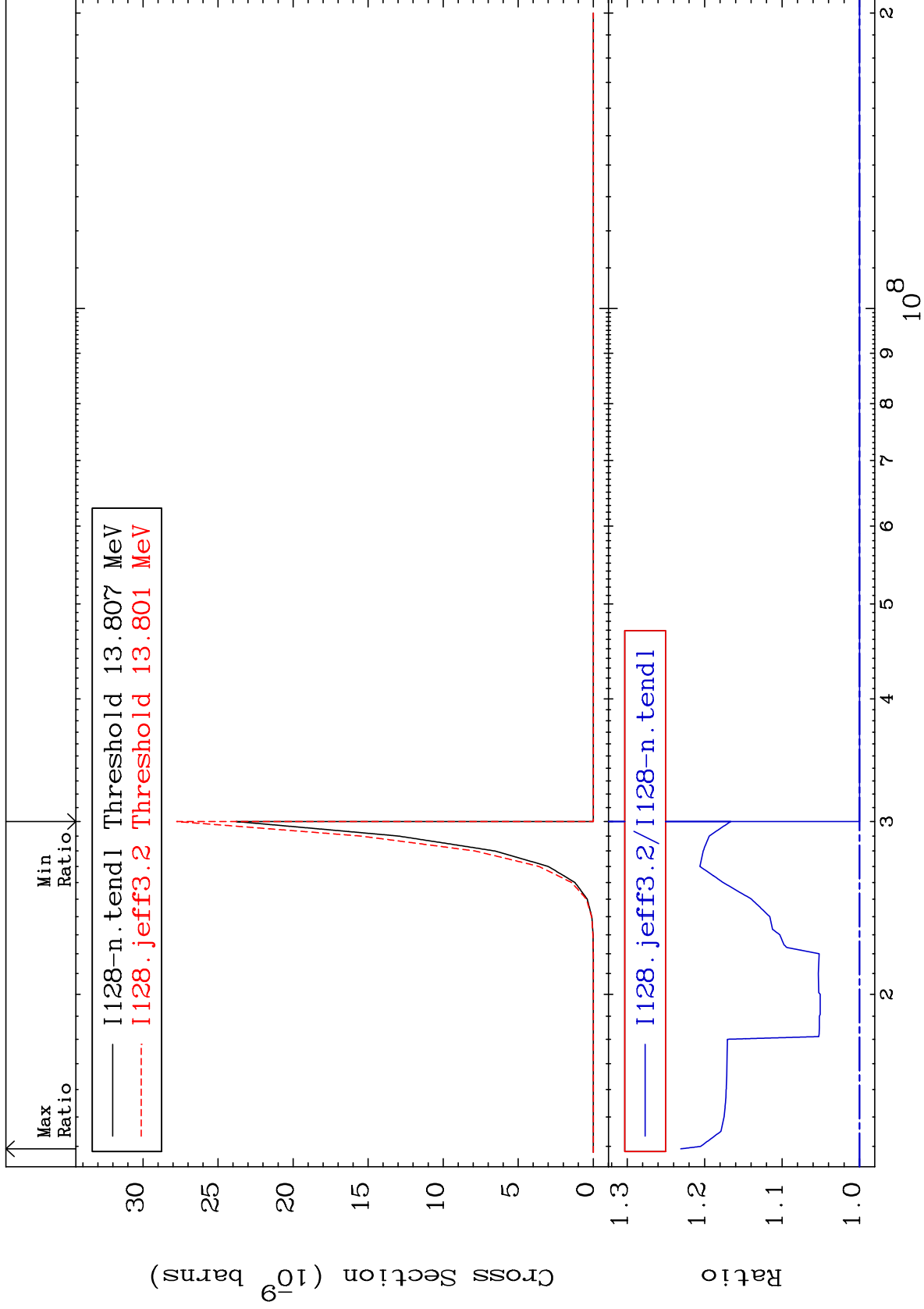


MAT 5328

(n, p) d:51-Sb-126g

53-I -128

Radionuclide Production Cross Section 0.000 To 23.08 %



105

Incident Energy (eV)

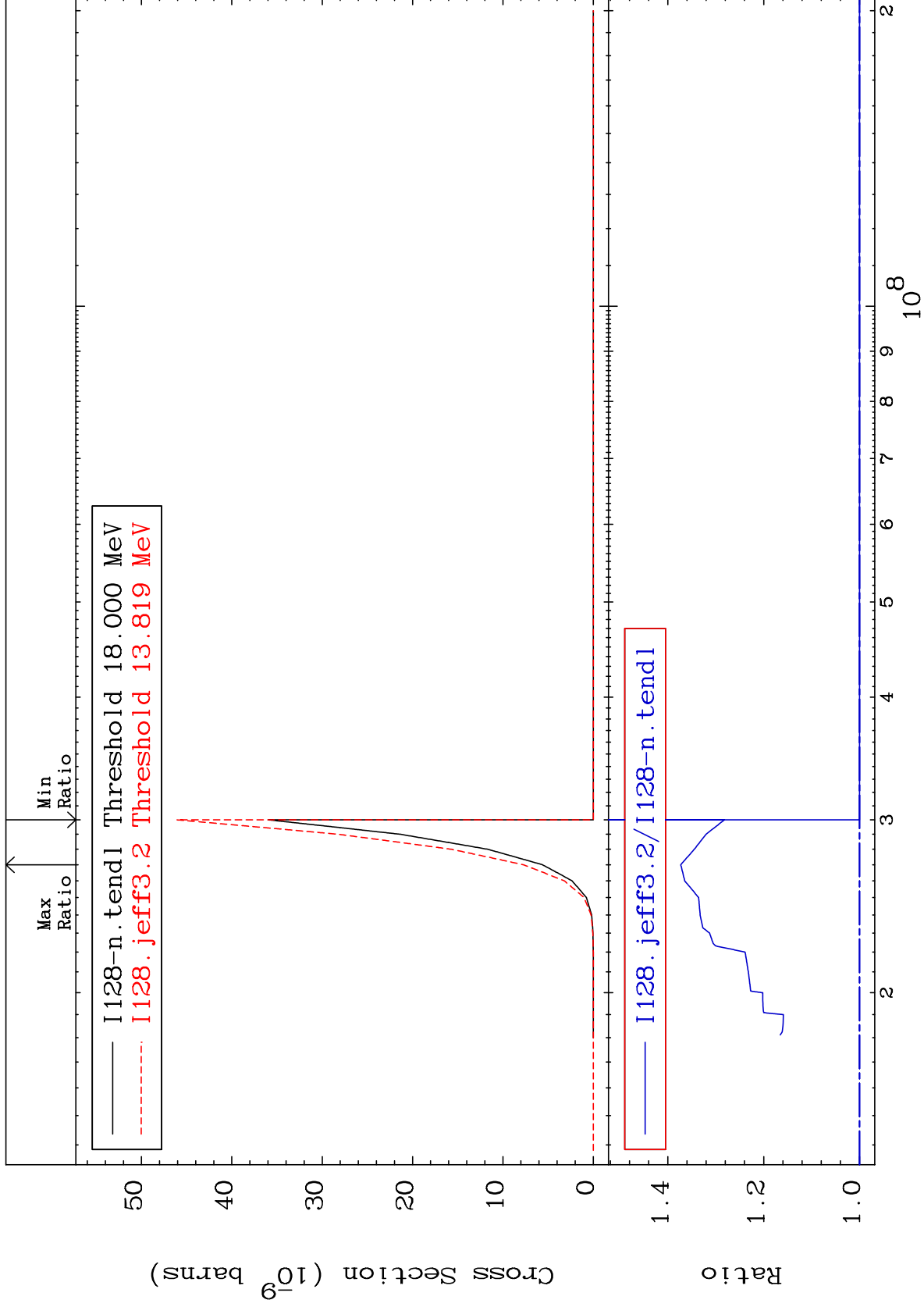
53-I -128

MAT 5328

(n, p) d:51-Sb-126m1

53-I -128

Radionuclide Production Cross Section 0.000 To 37.30 %

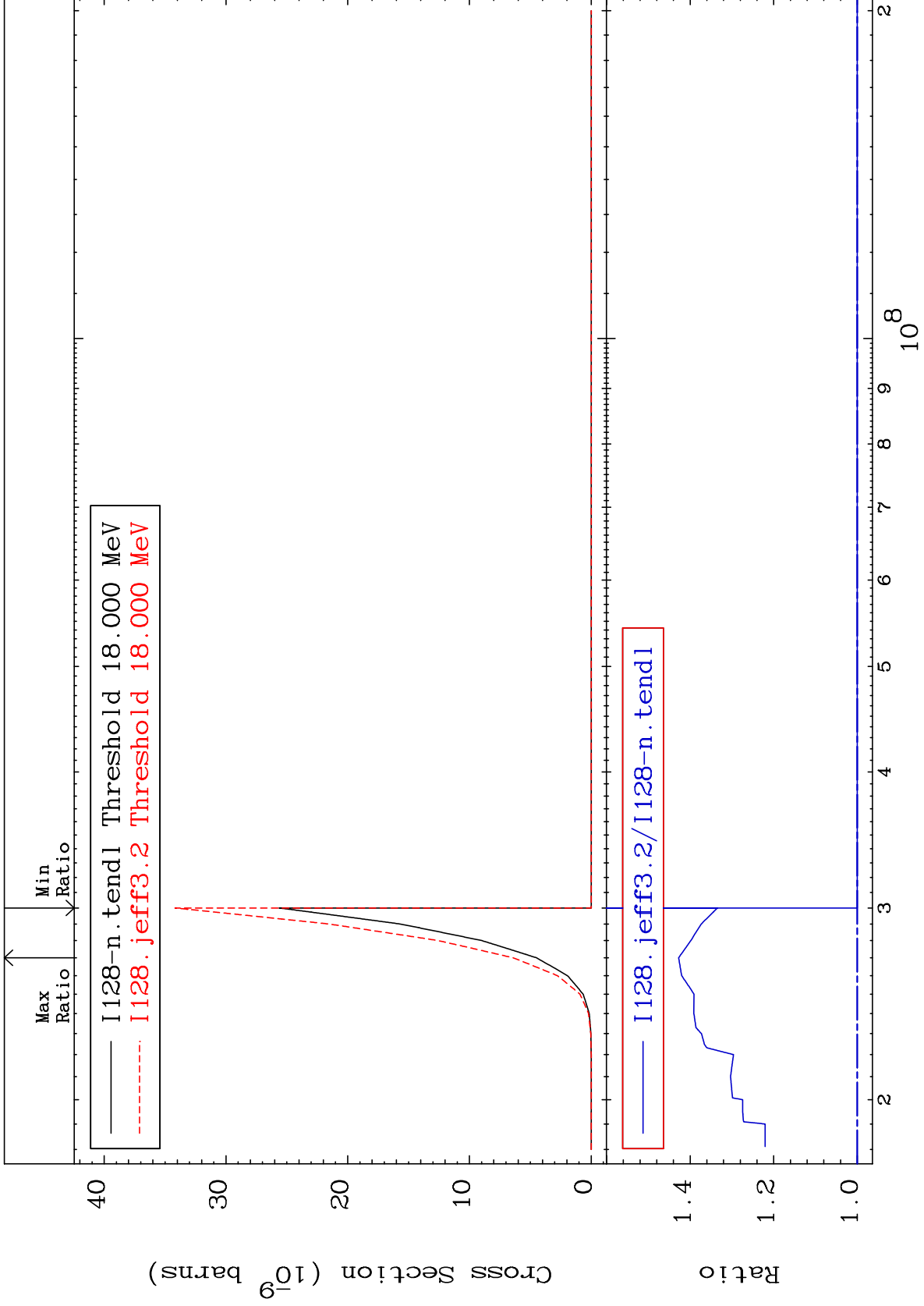


106

Incident Energy (eV)

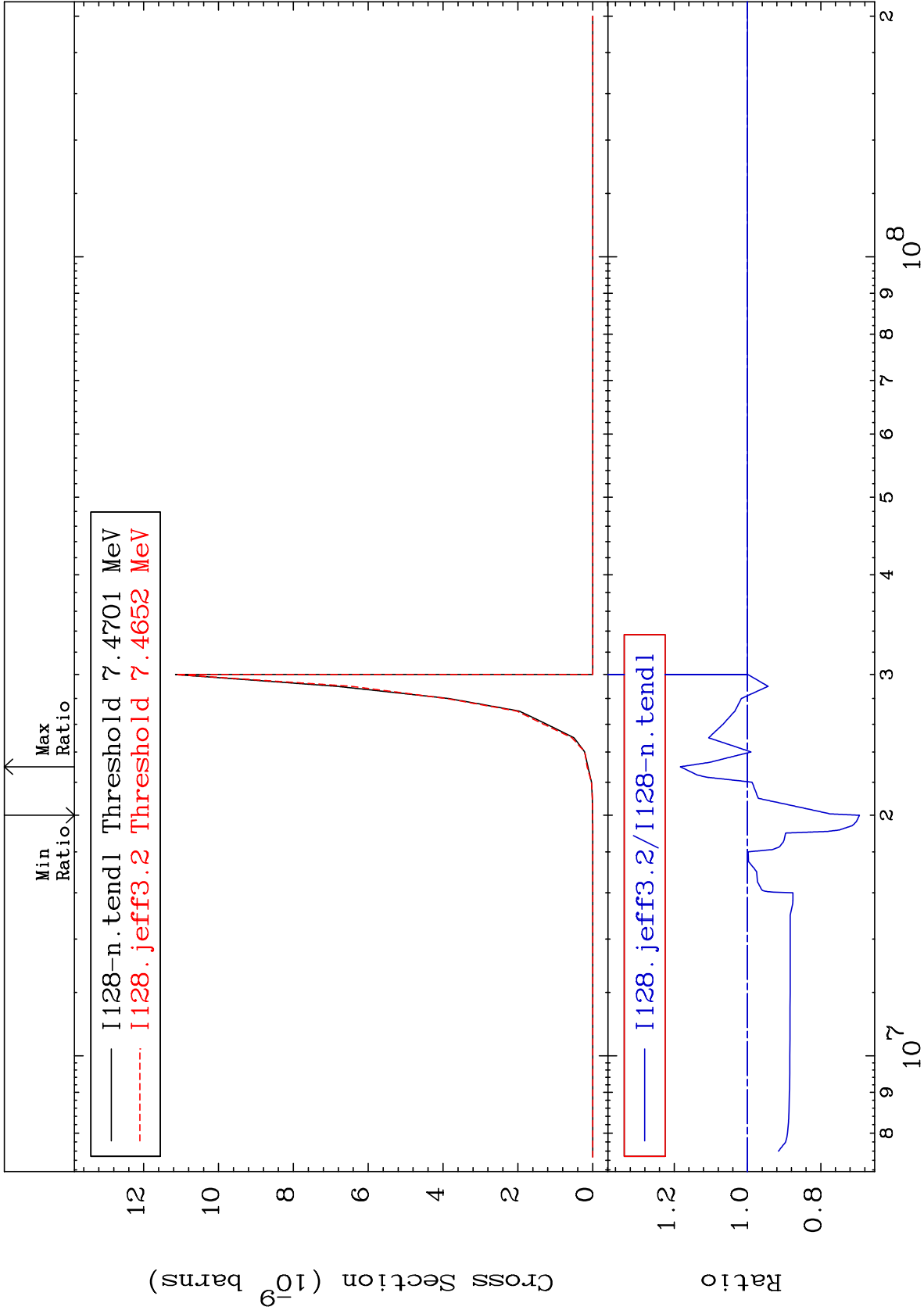
53-I -128

Radionuclide Production Cross Section 0.000 To 42.76 %



MAT 5328

(n, d)  $\alpha$ :50-Sn-123g 53-I -128  
Radionuclide Production Cross Section -30.54 To 18.31 %



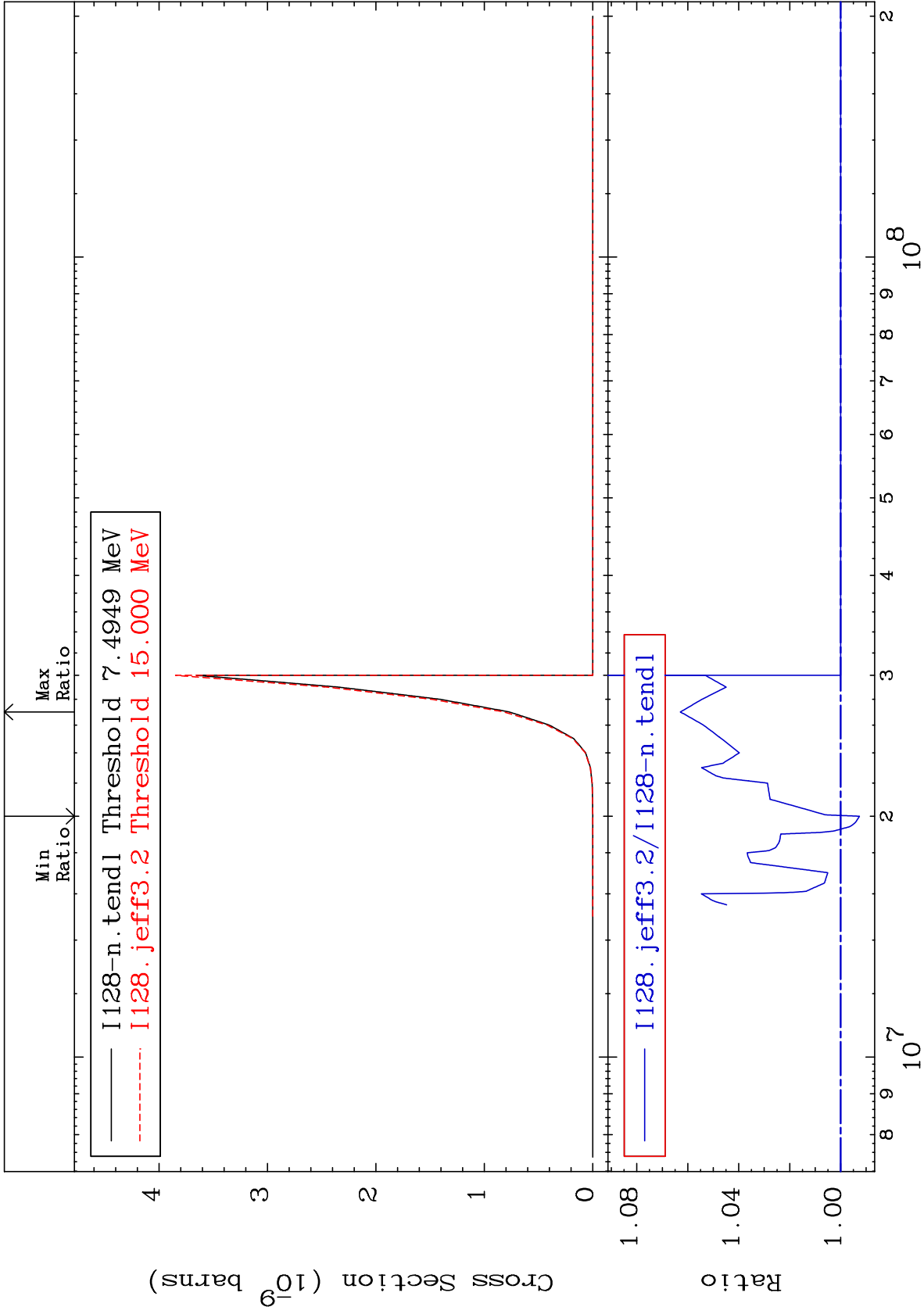
108

Incident Energy (eV)

53-I -128

MAT 5328

(n, d)  $\alpha$ :50-Sn-123m1 53-I -128  
Radionuclide Production Cross Section -0.735 To 6.291 %



109

Incident Energy (eV)

53-I -128