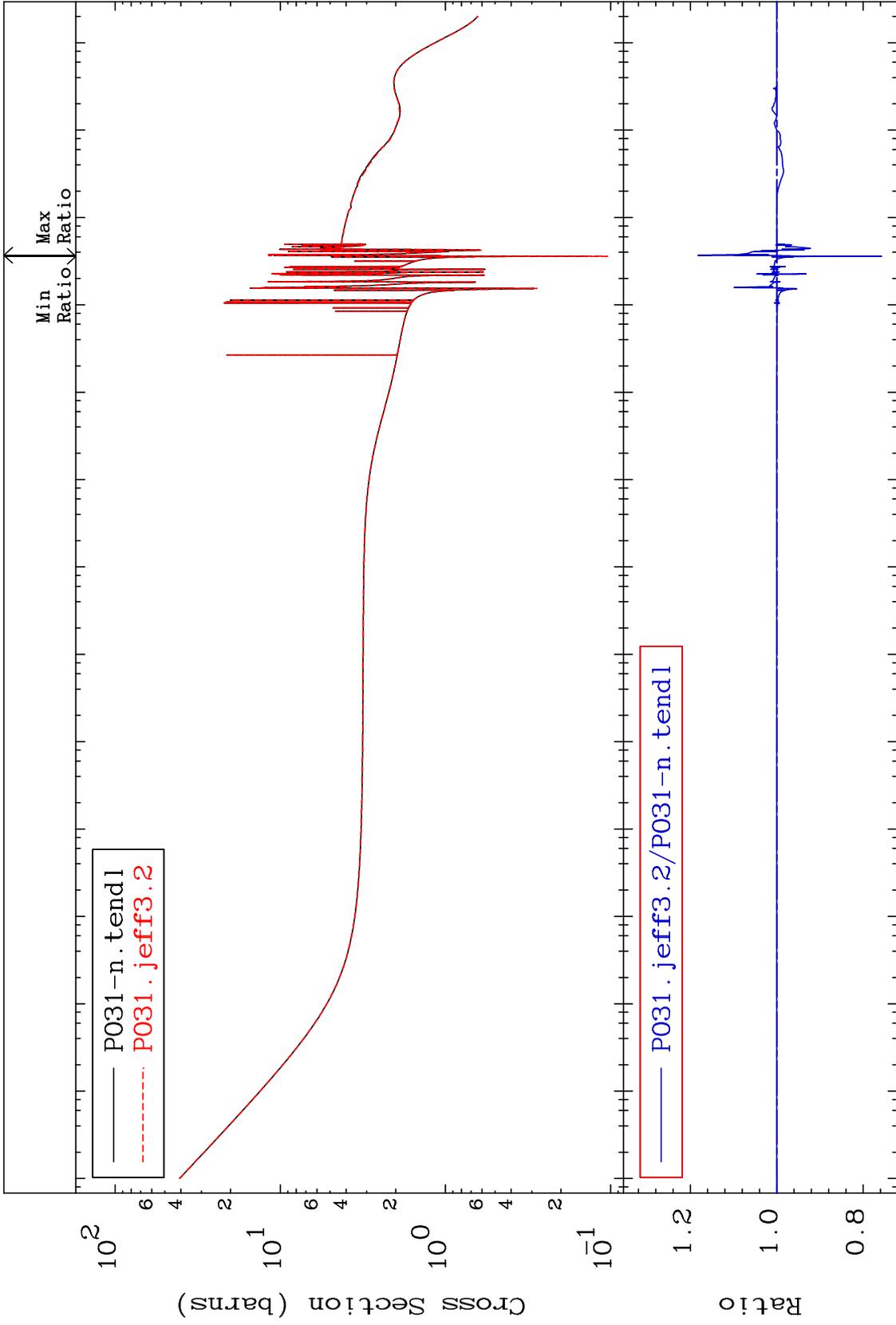


MAT 1525

Total  
Cross Section

15-P -31  
-24.25 To 18.28 %



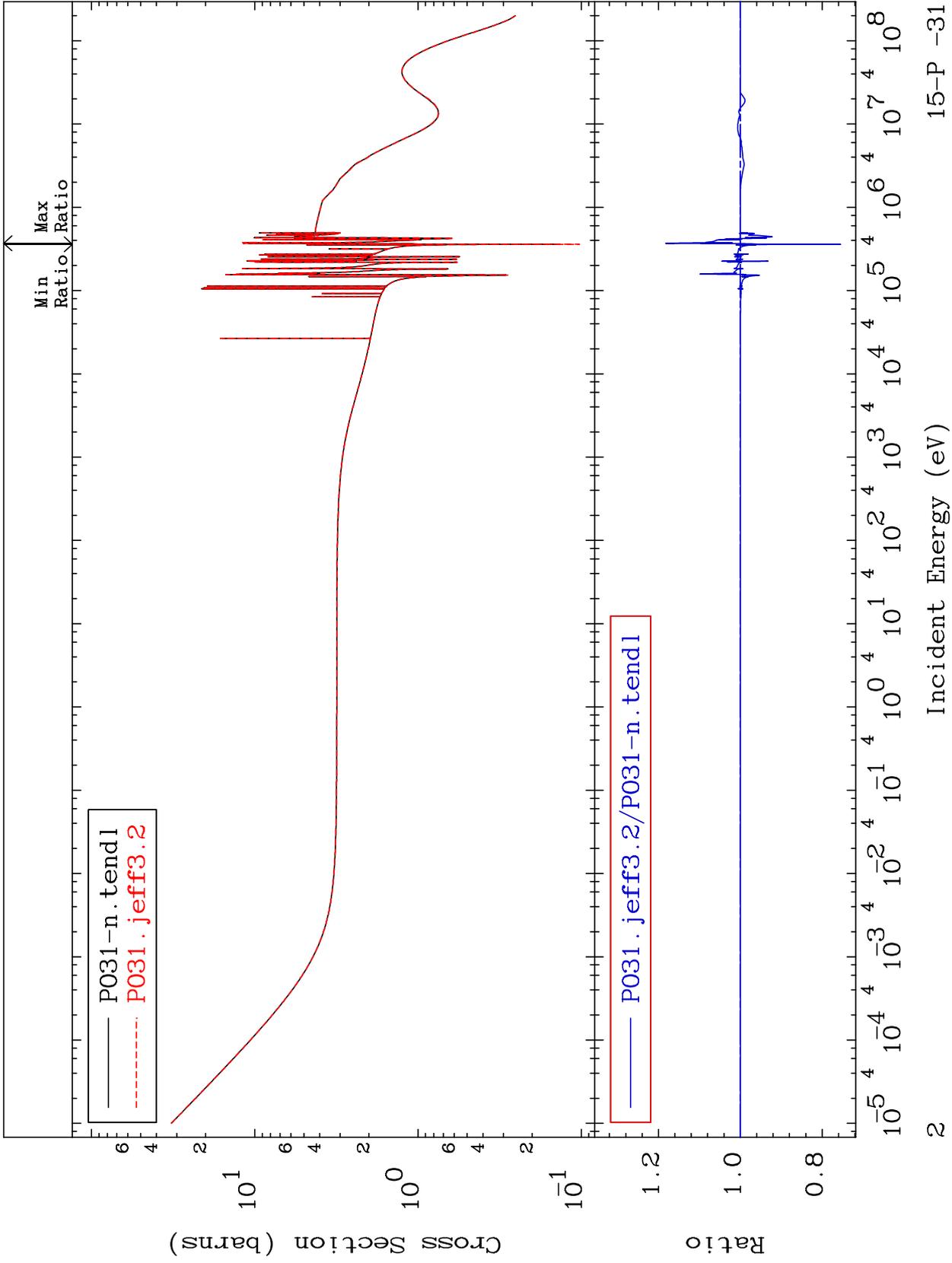
Incident Energy (eV)

15-P -31

MAT 1525

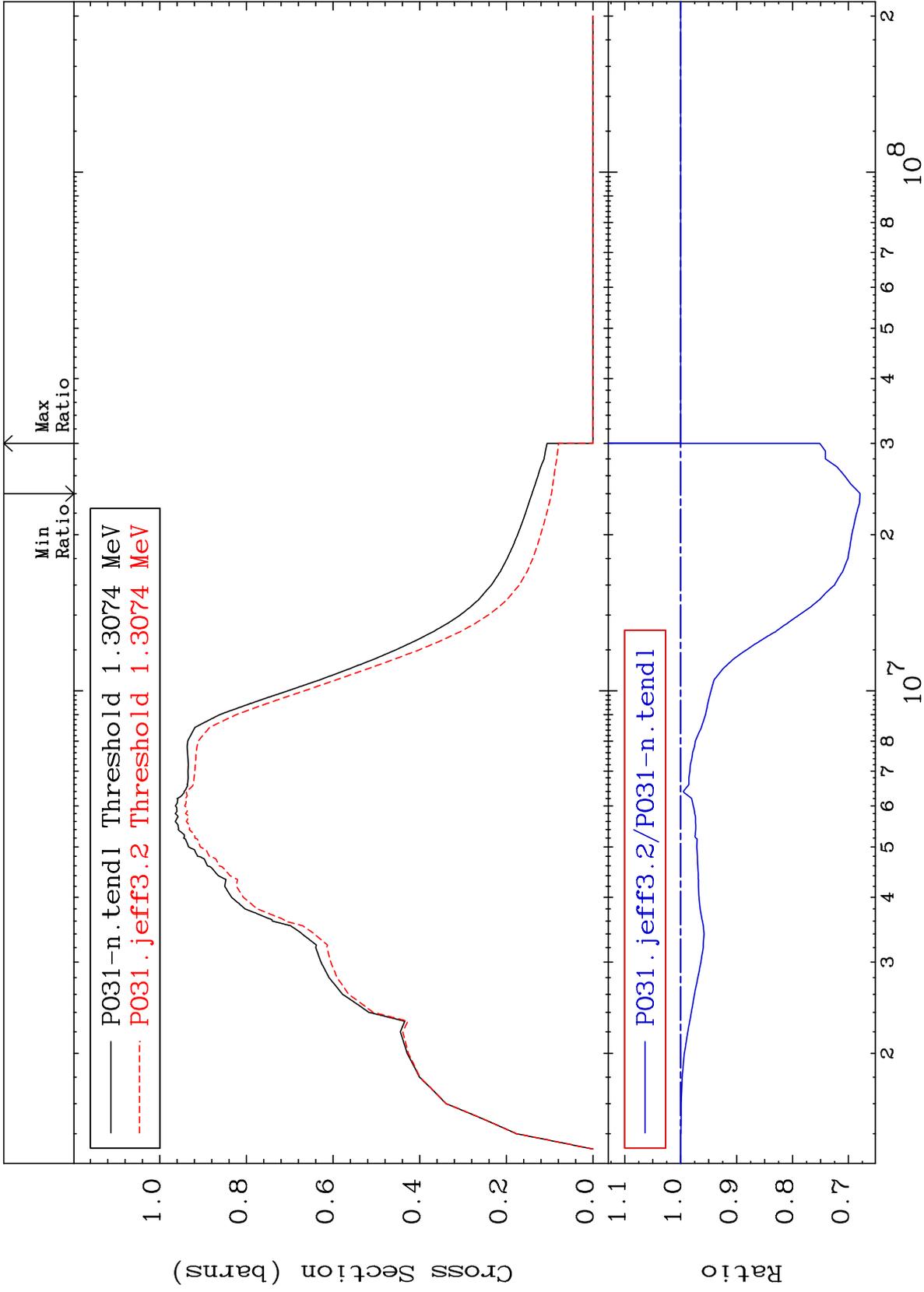
Elastic  
Cross Section

15-P -31  
-24.55 To 18.29 %



Incident Energy (eV)

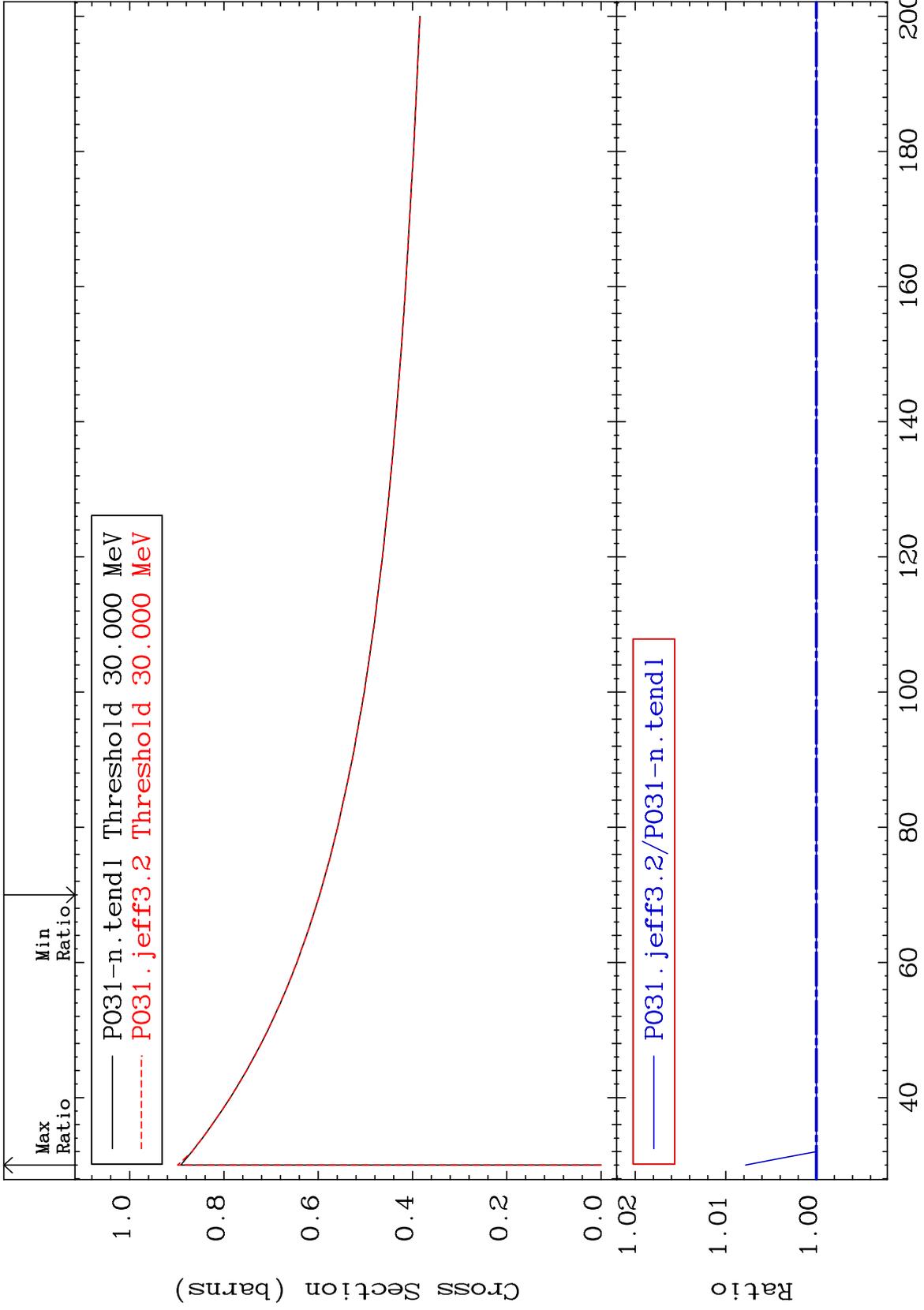
15-P -31



MAT 1525

(n, remainder)  
Cross Section

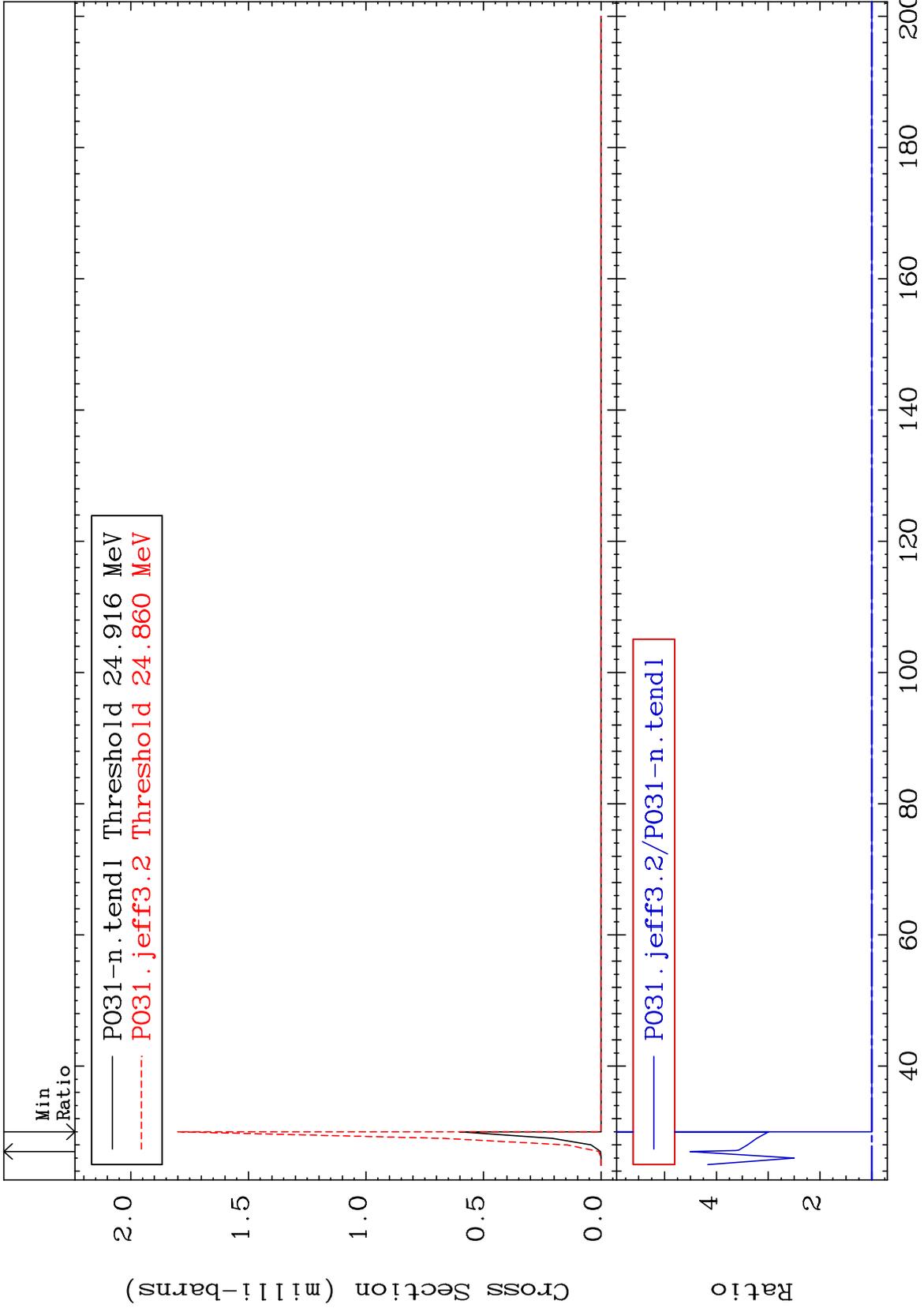
0.000 To 0.783 %  
15-P -31



MAT 1525

(n,2n) d  
Cross Section

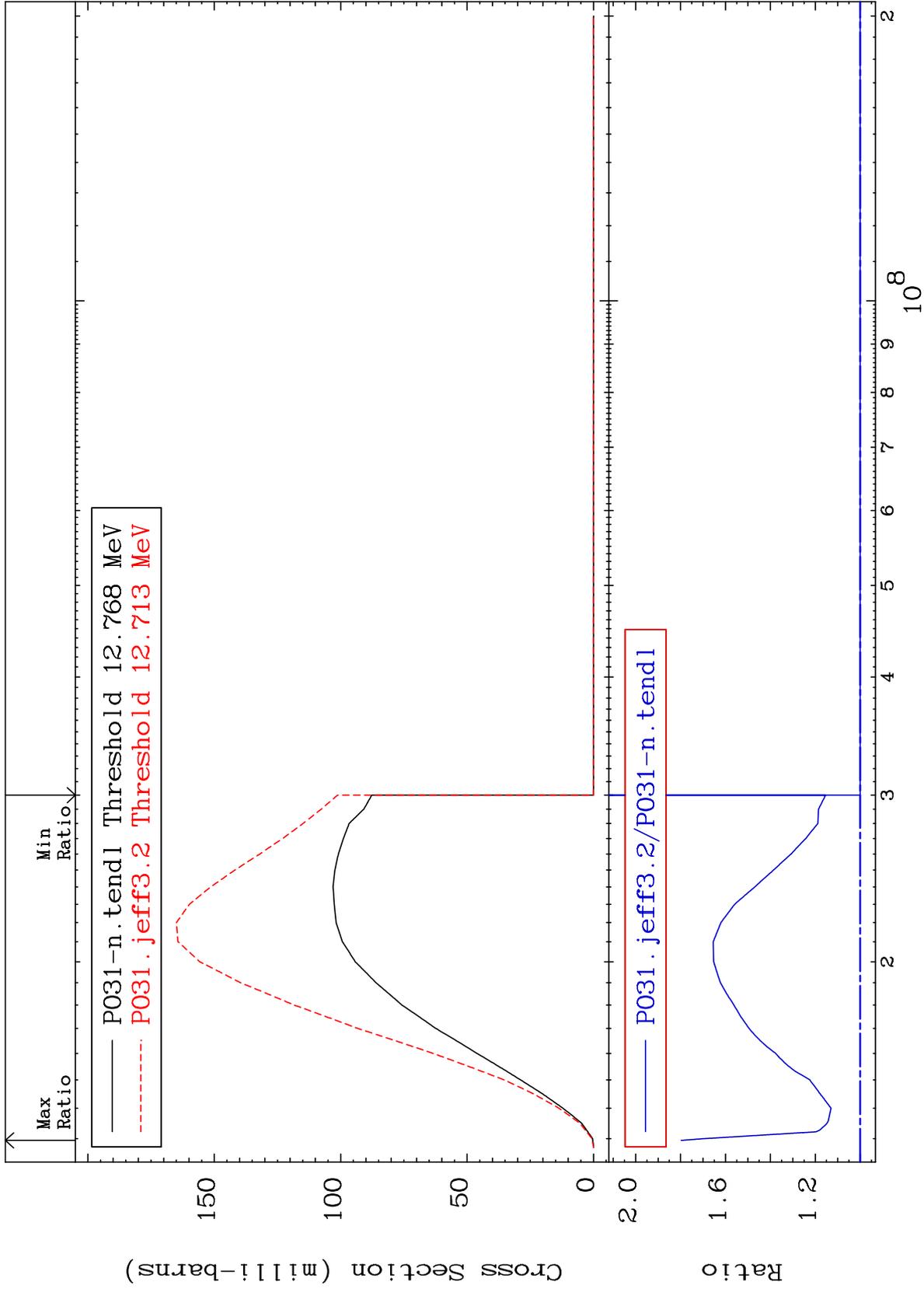
15-P -31  
0.000 To 350.8 %



MAT 1525

(n,2n)  
Cross Section

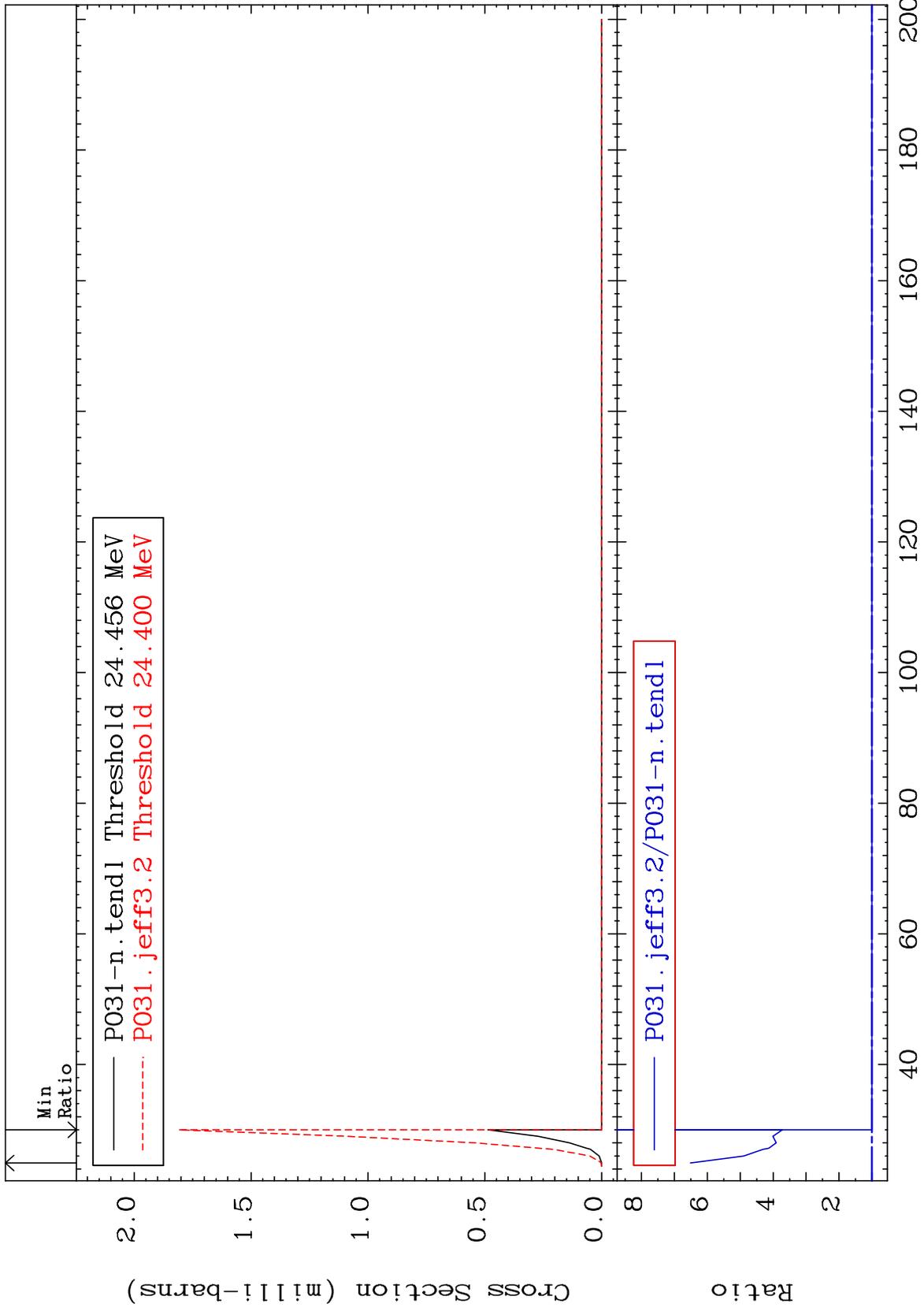
15-P -31  
0.000 To 79.72 %



MAT 1525

(n,3n)  
Cross Section

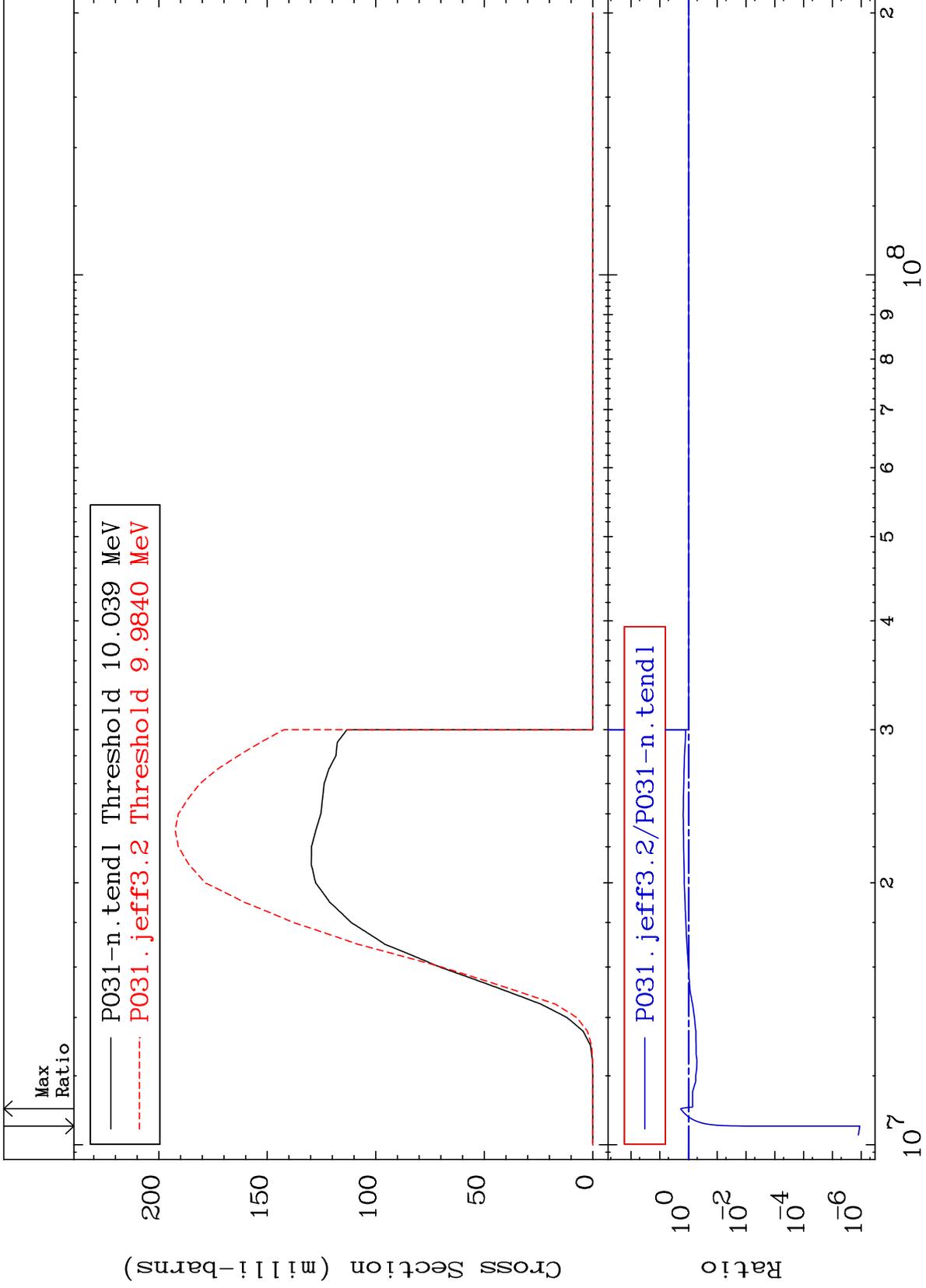
15-P -31  
0.000 To 551.3 %



MAT 1525

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

15-P -31  
-100.0 To 89.67 %

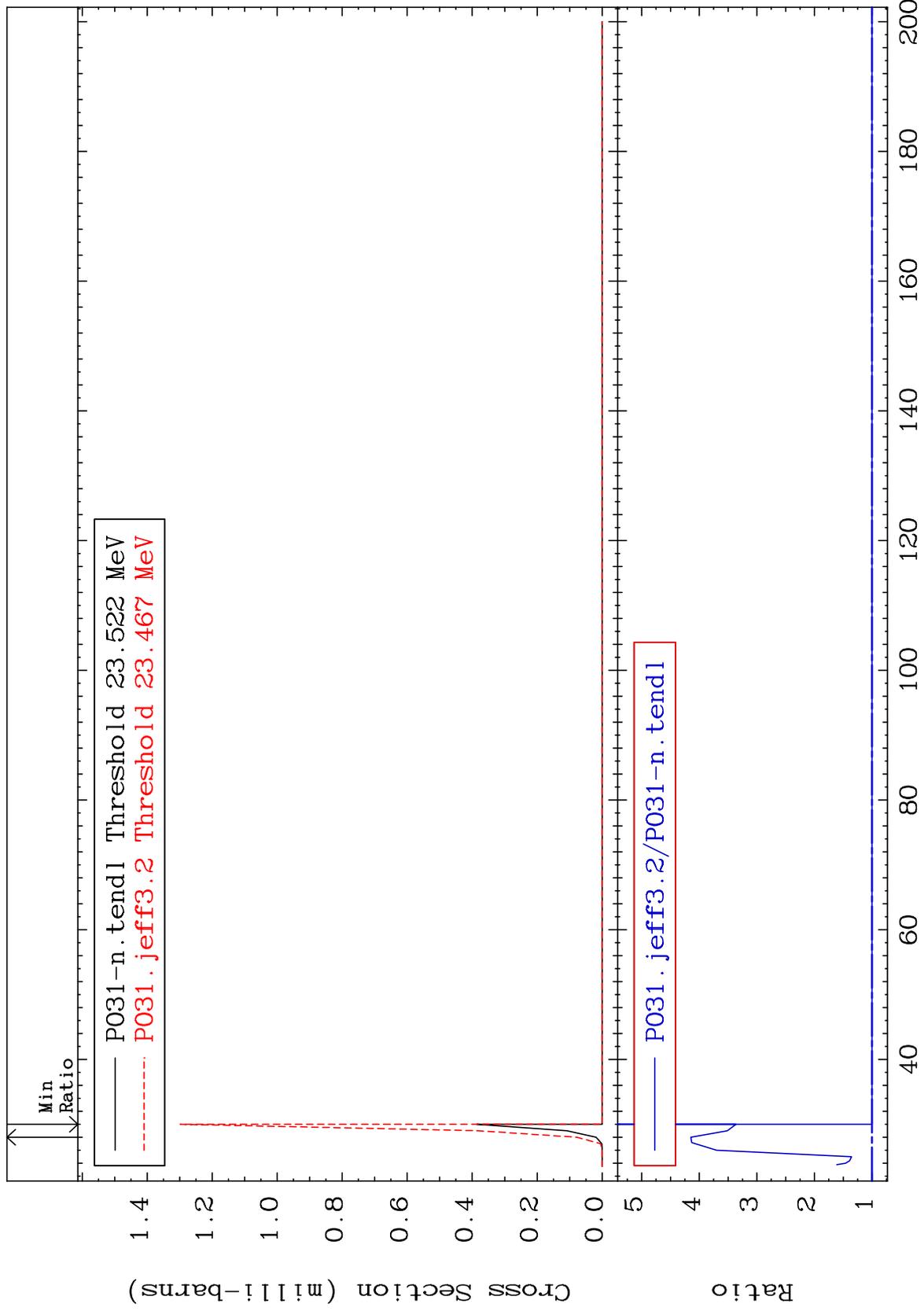


15-P -31

MAT 1525

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

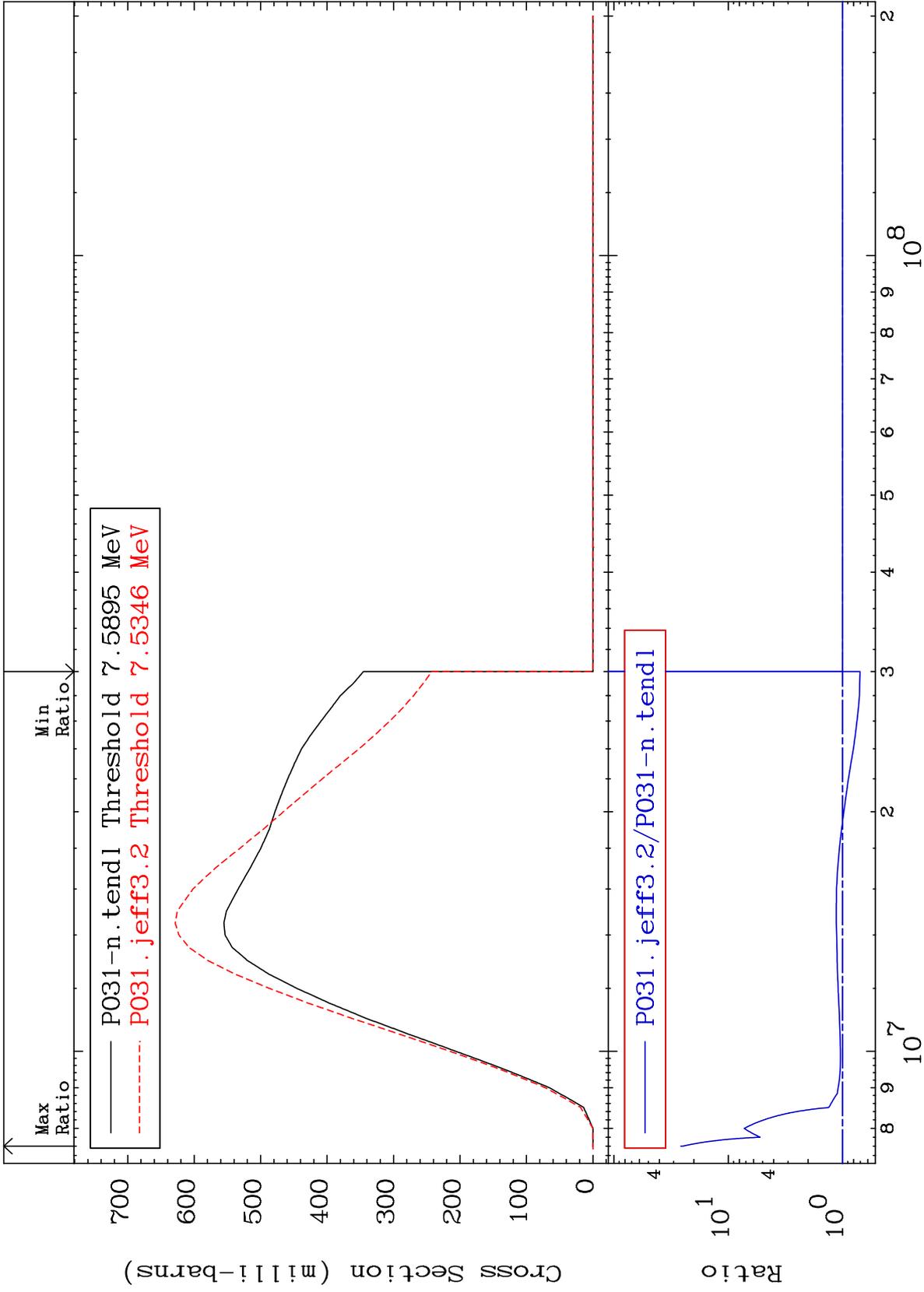
15-P -31  
0.000 To 314.6 %



MAT 1525

(n,n') p  
Cross Section

15-P -31  
-29.81 To 2503. %



10

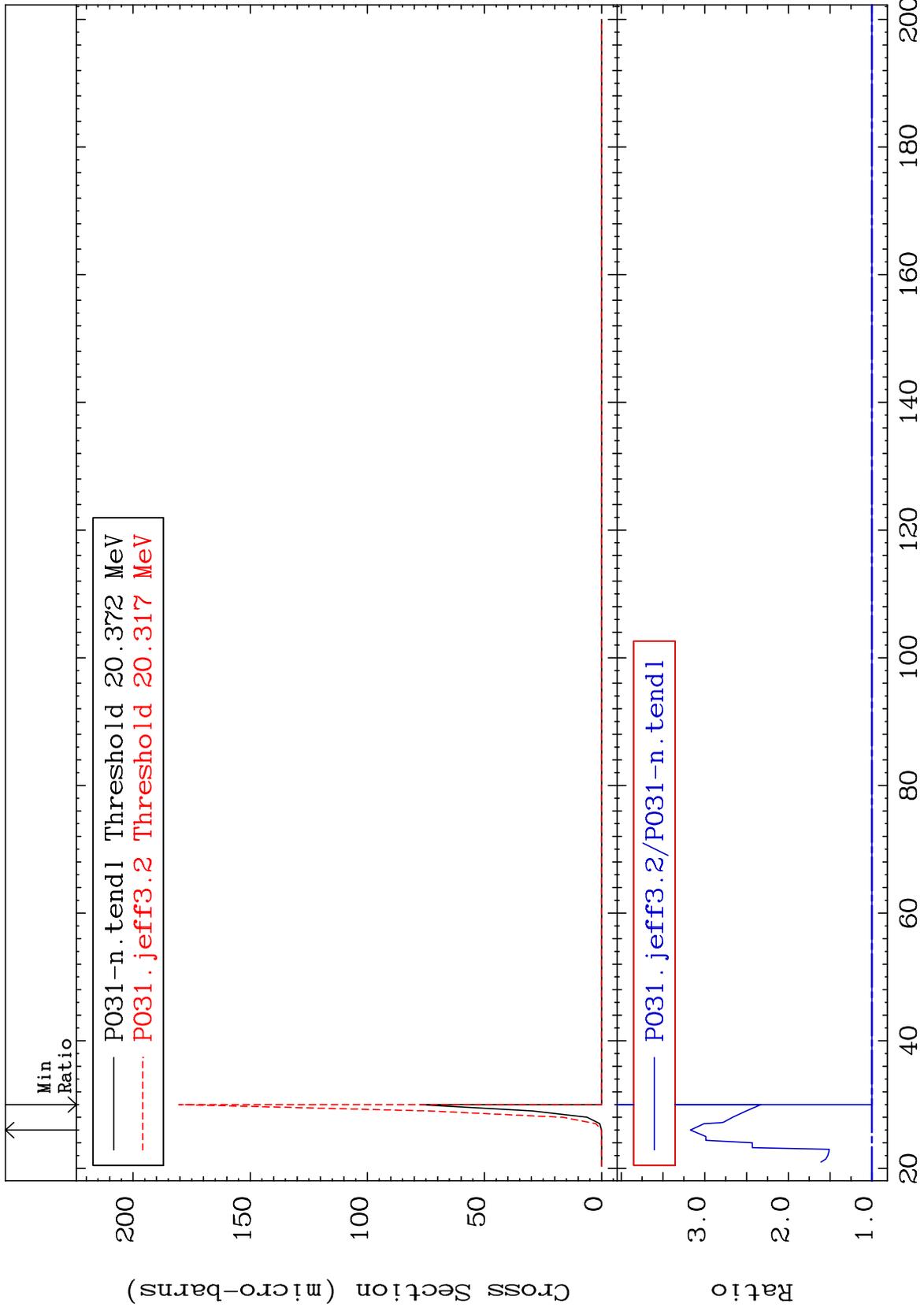
Incident Energy (eV)

15-P -31

MAT 1525

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

15-P -31  
0.000 To 217.2 %

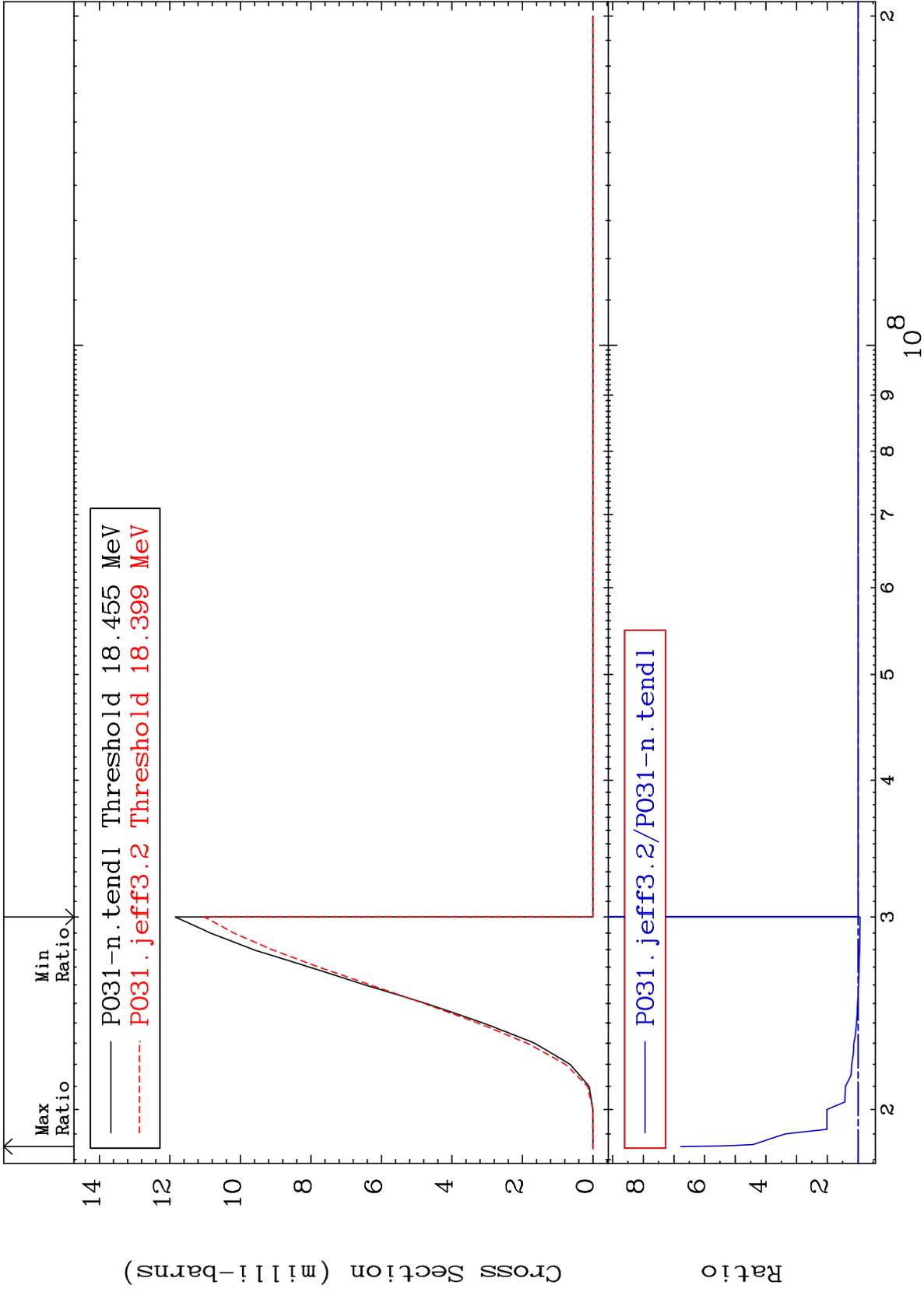


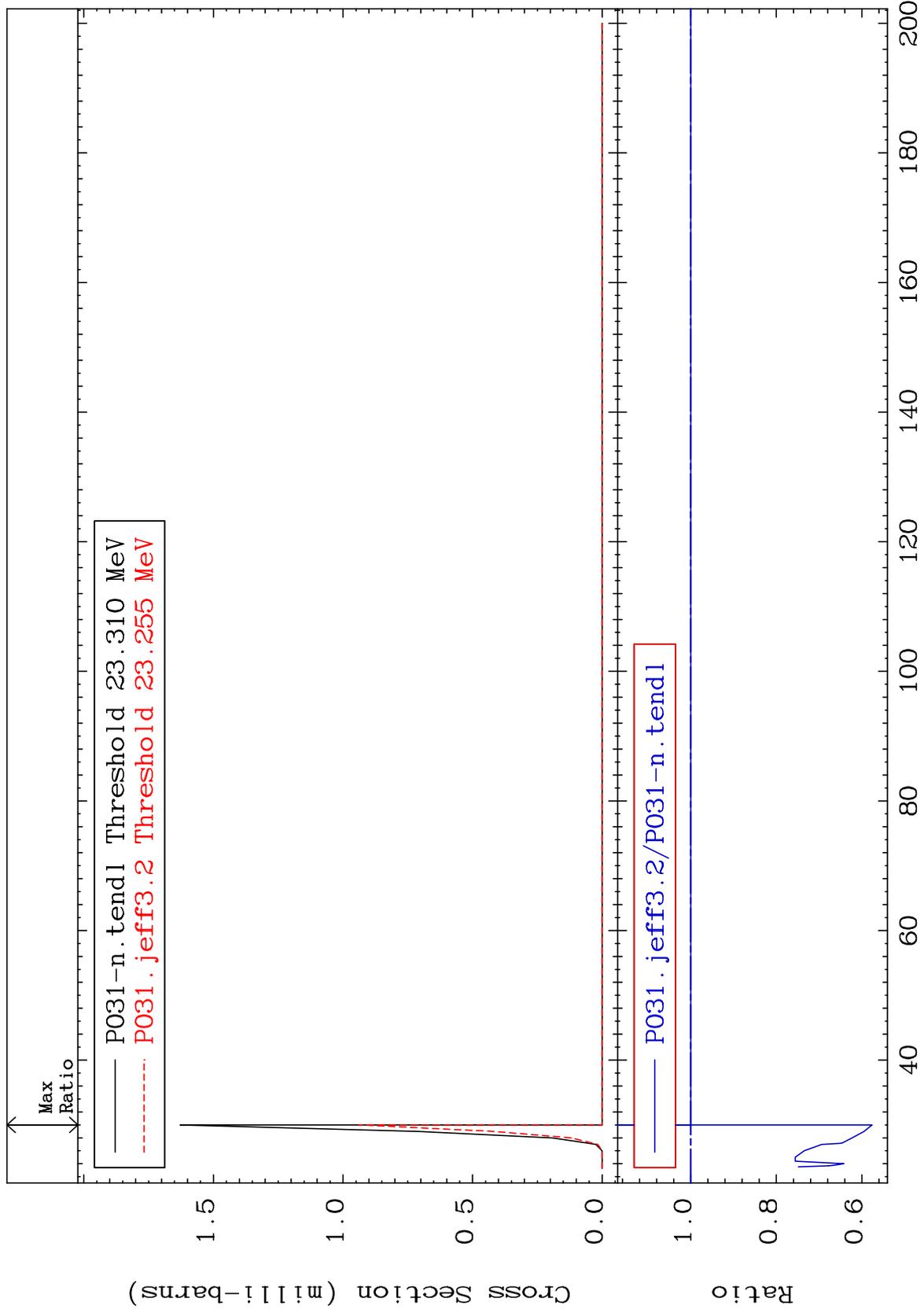


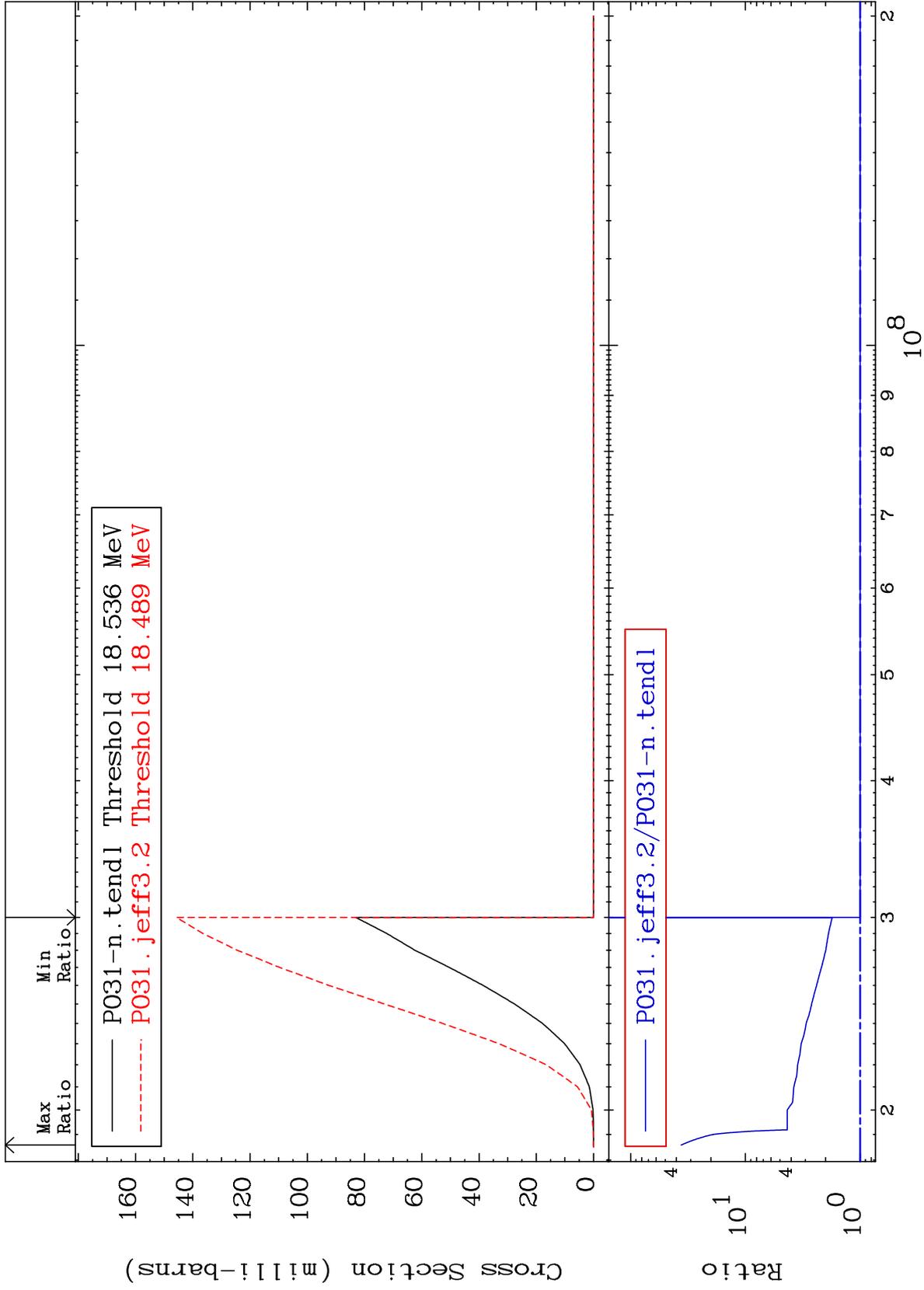
MAT 1525

(n,n') t  
Cross Section

15-P -31  
-7.009 To 577.8 %



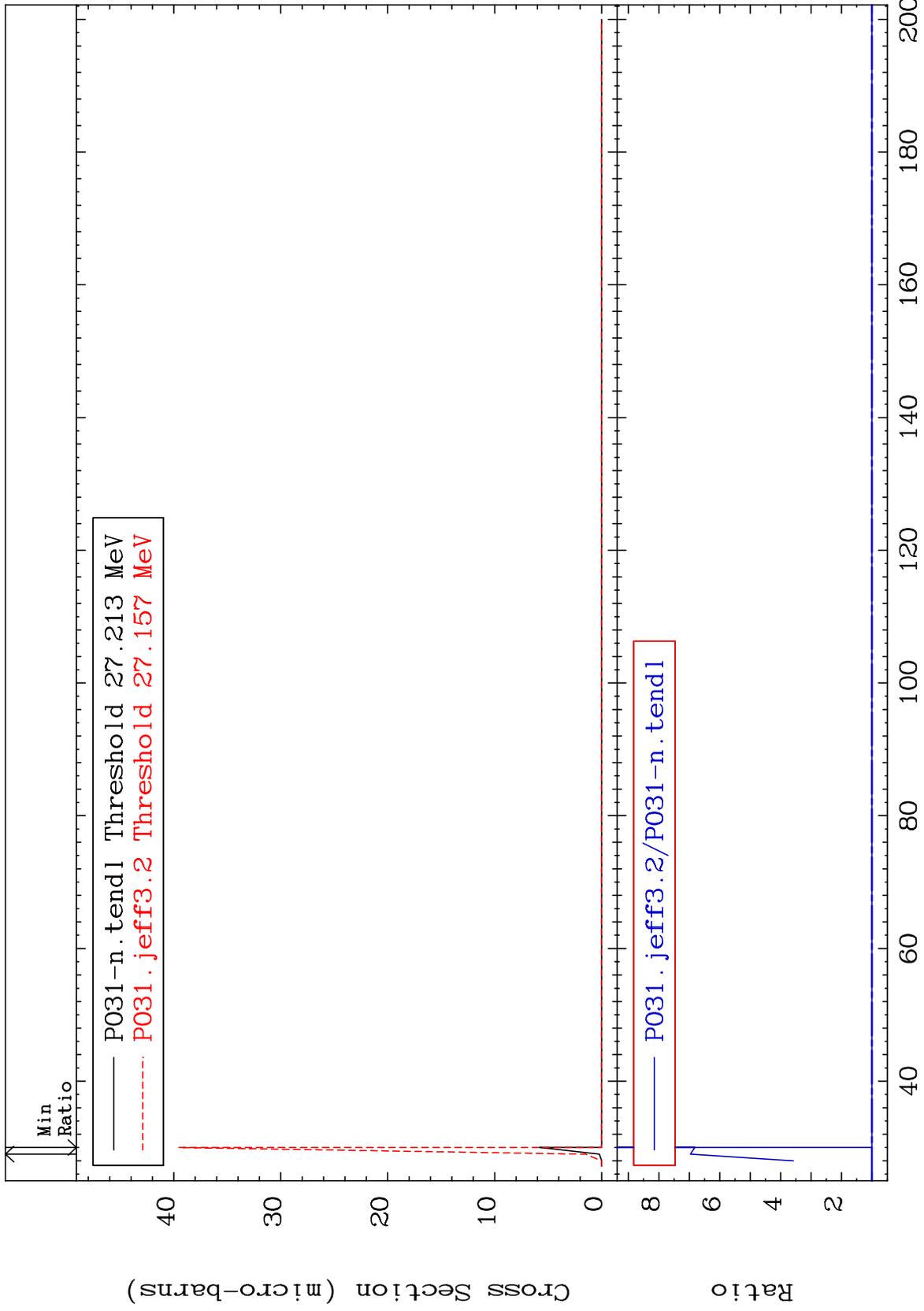




MAT 1525

(n,3n) p  
Cross Section

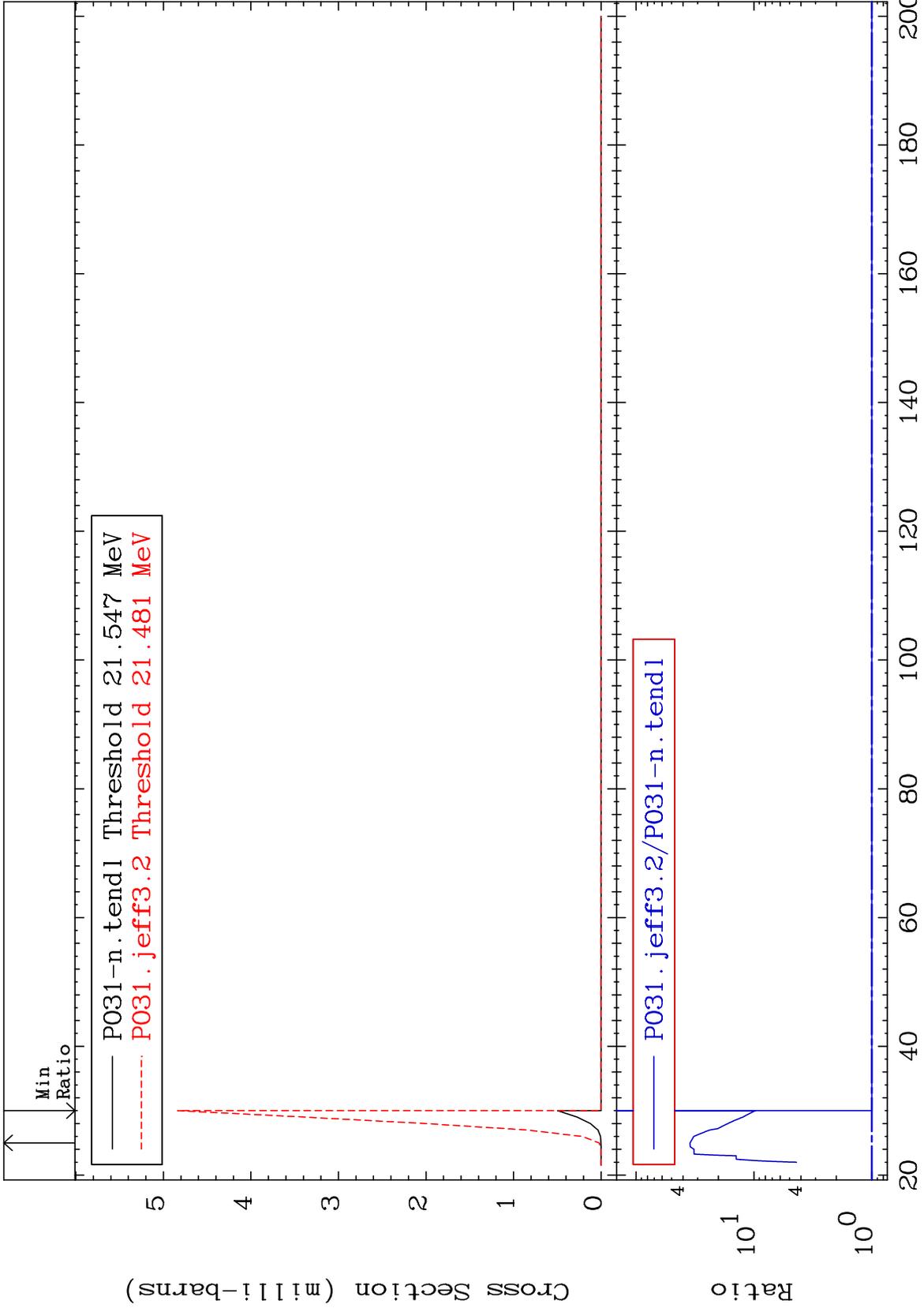
15-P -31  
0.000 To 596.1 %



MAT 1525

(n,2n) p  
Cross Section

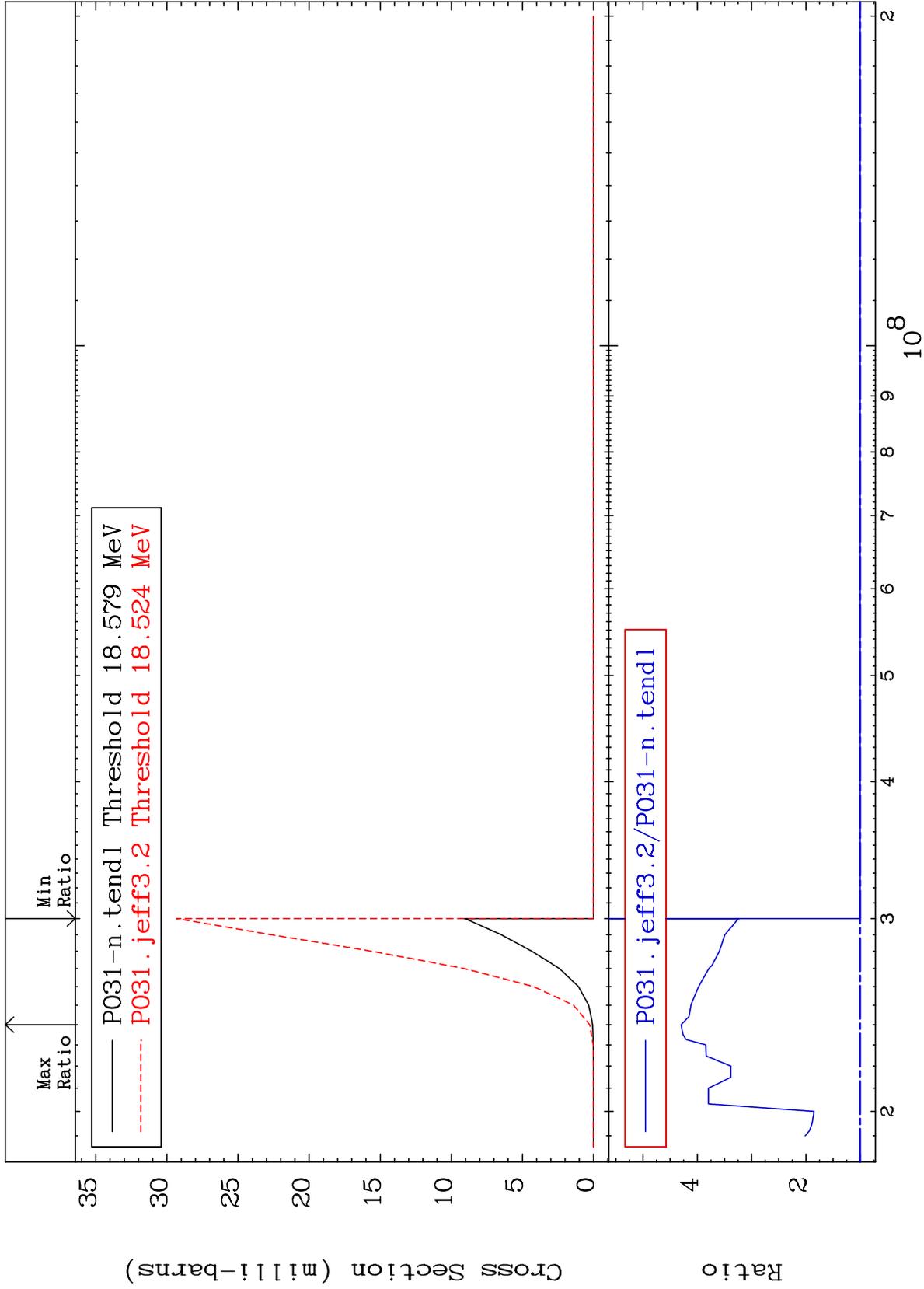
15-P -31  
0.000 To 3380. %

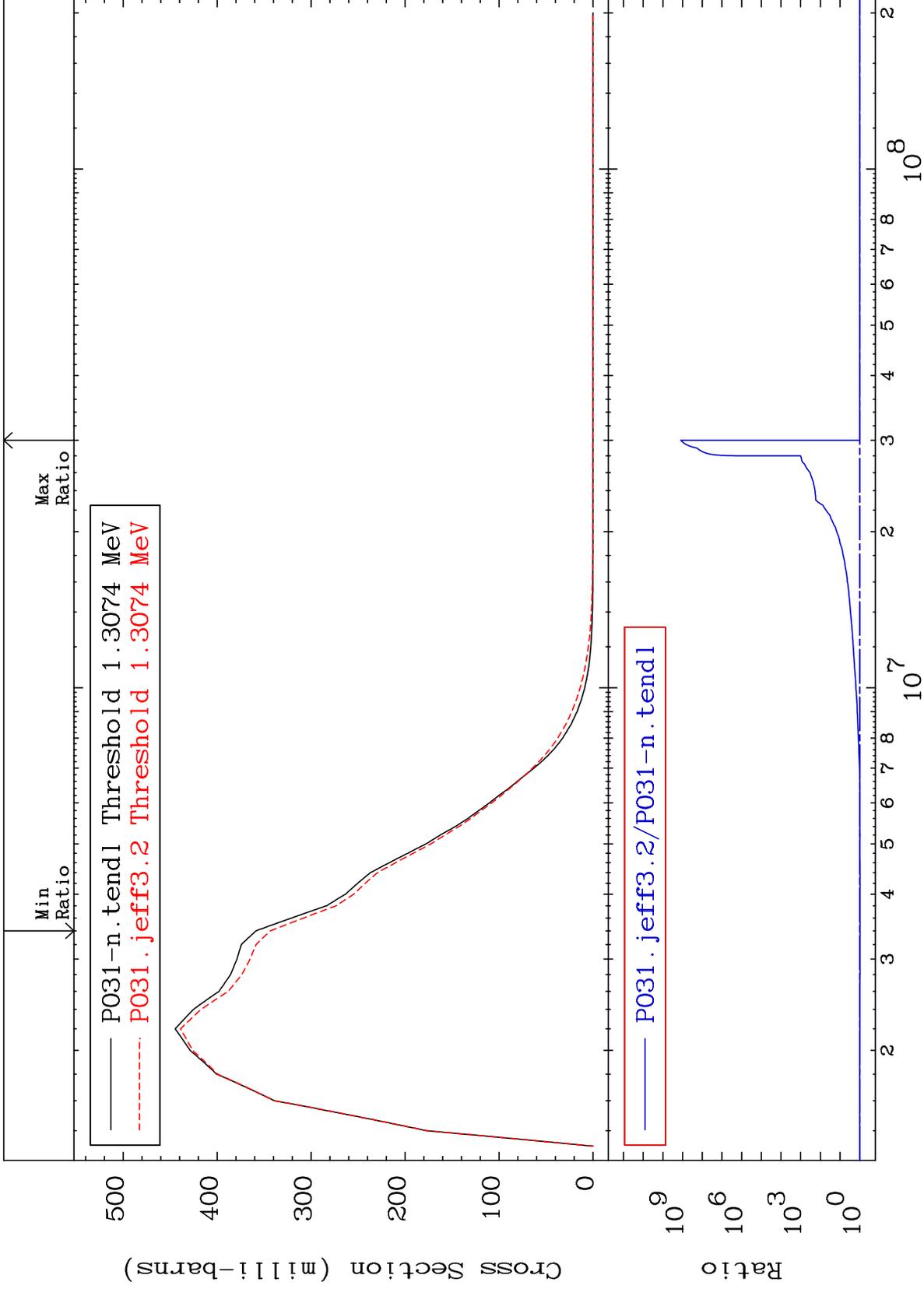


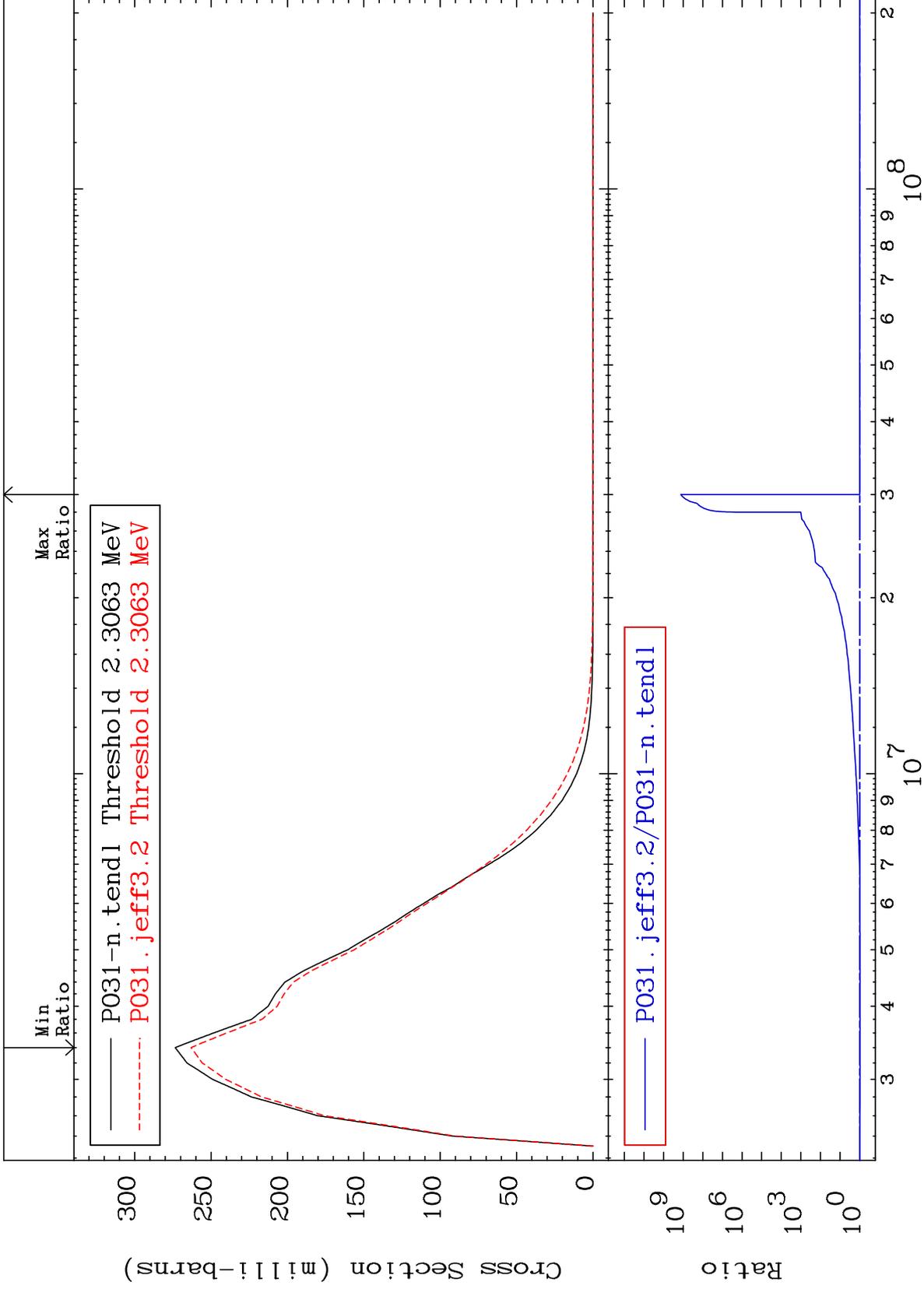
MAT 1525

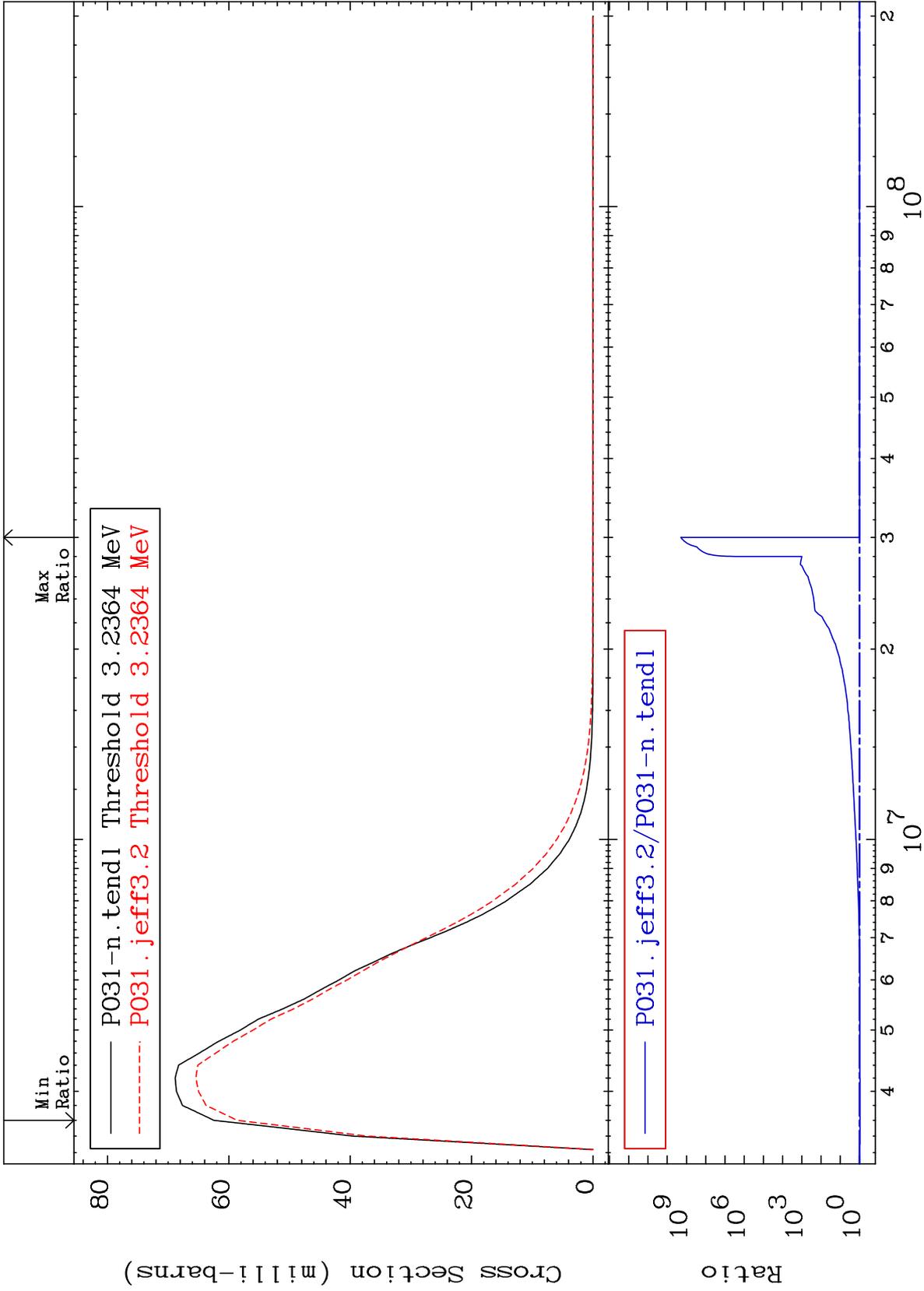
(n,n') p  $\alpha$   
Cross Section

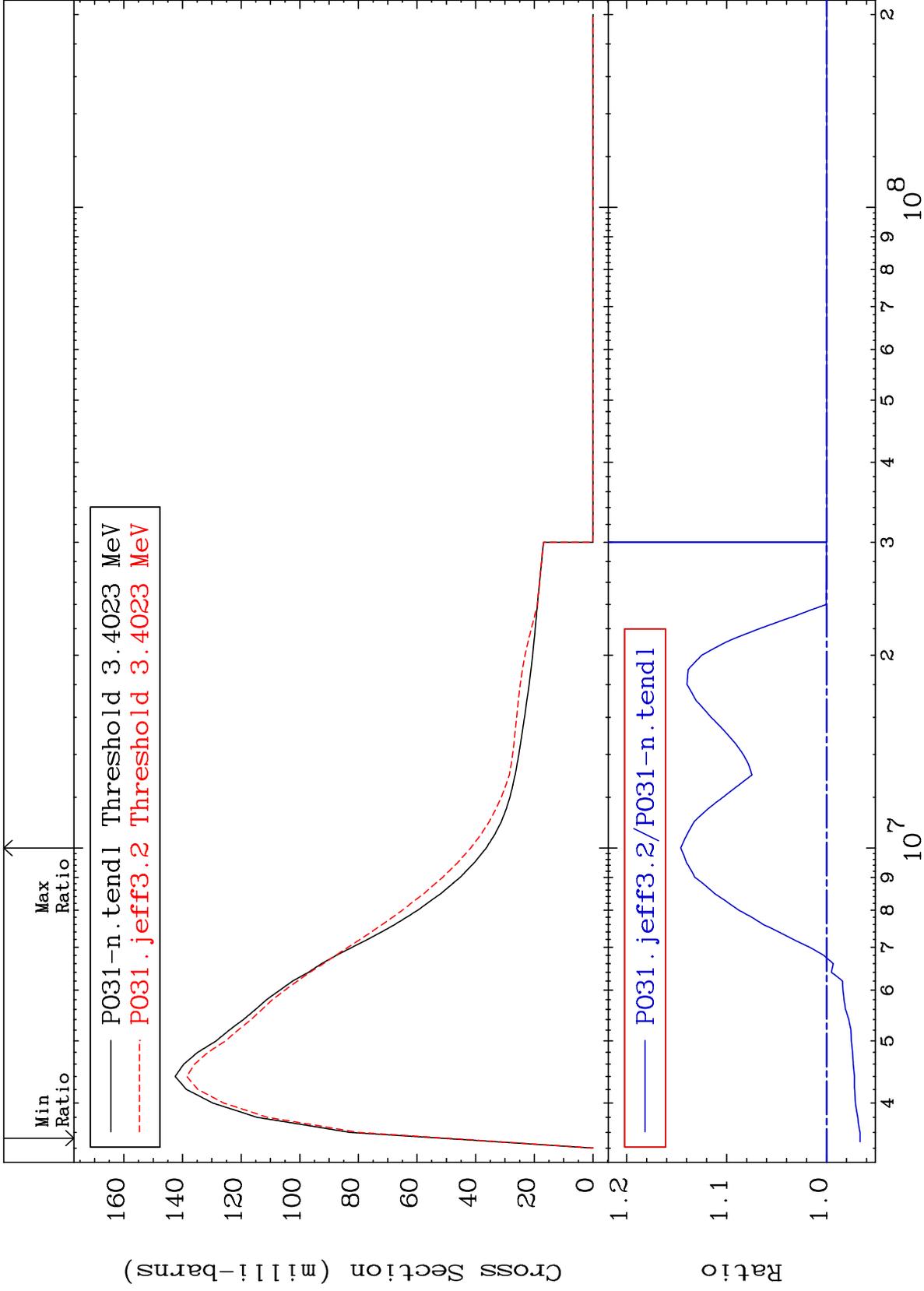
15-P -31  
0.000 To 329.7 %

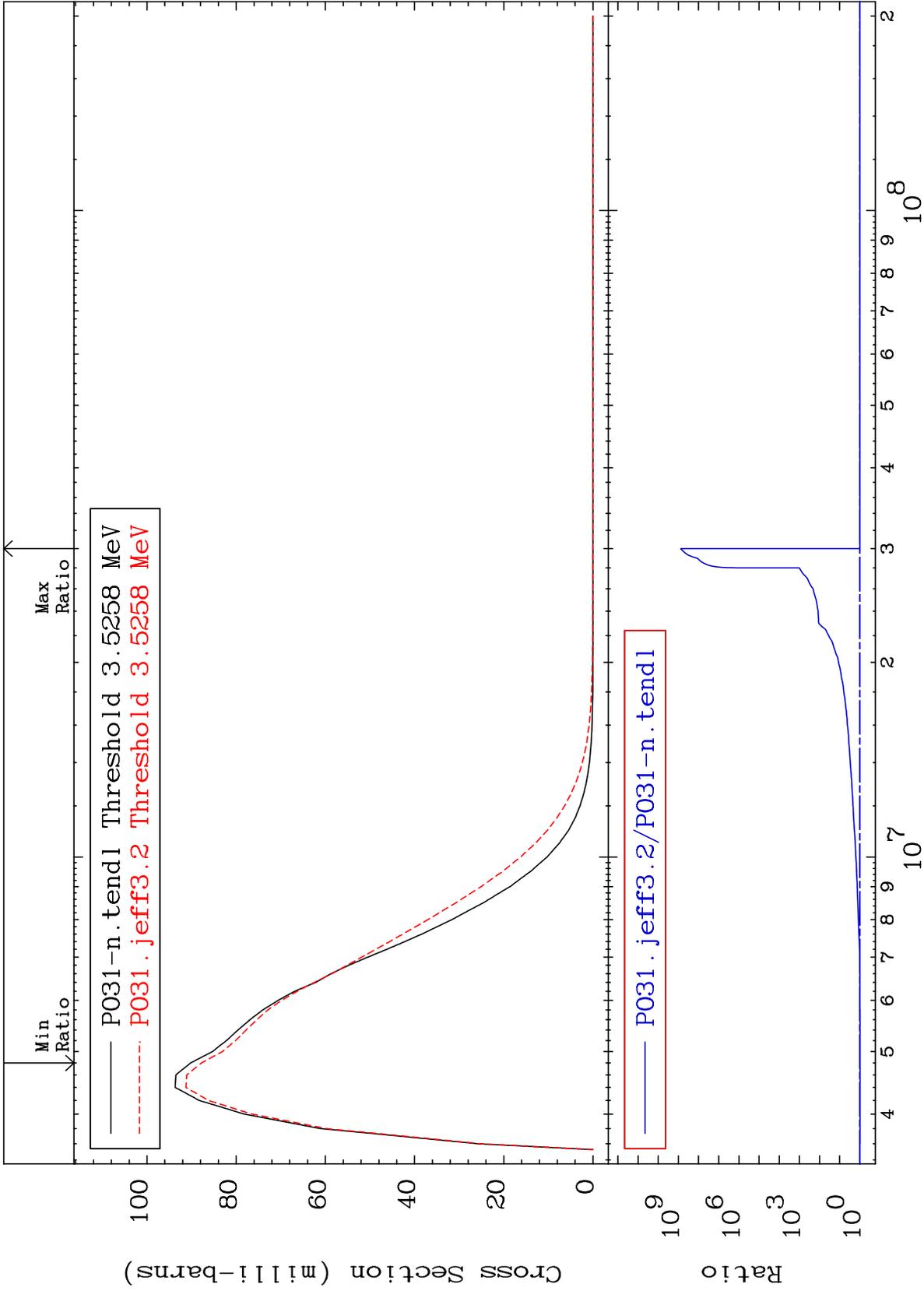


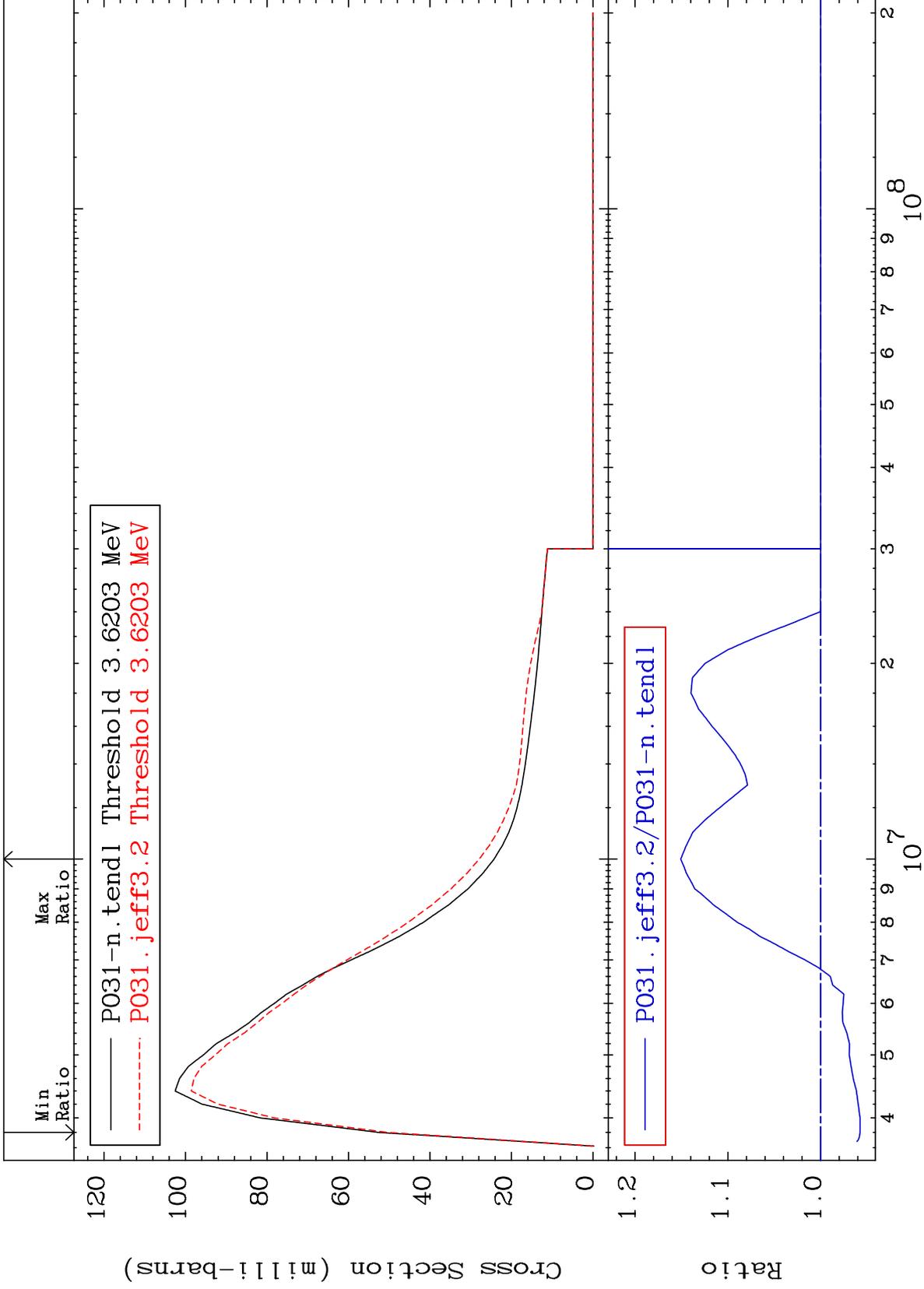


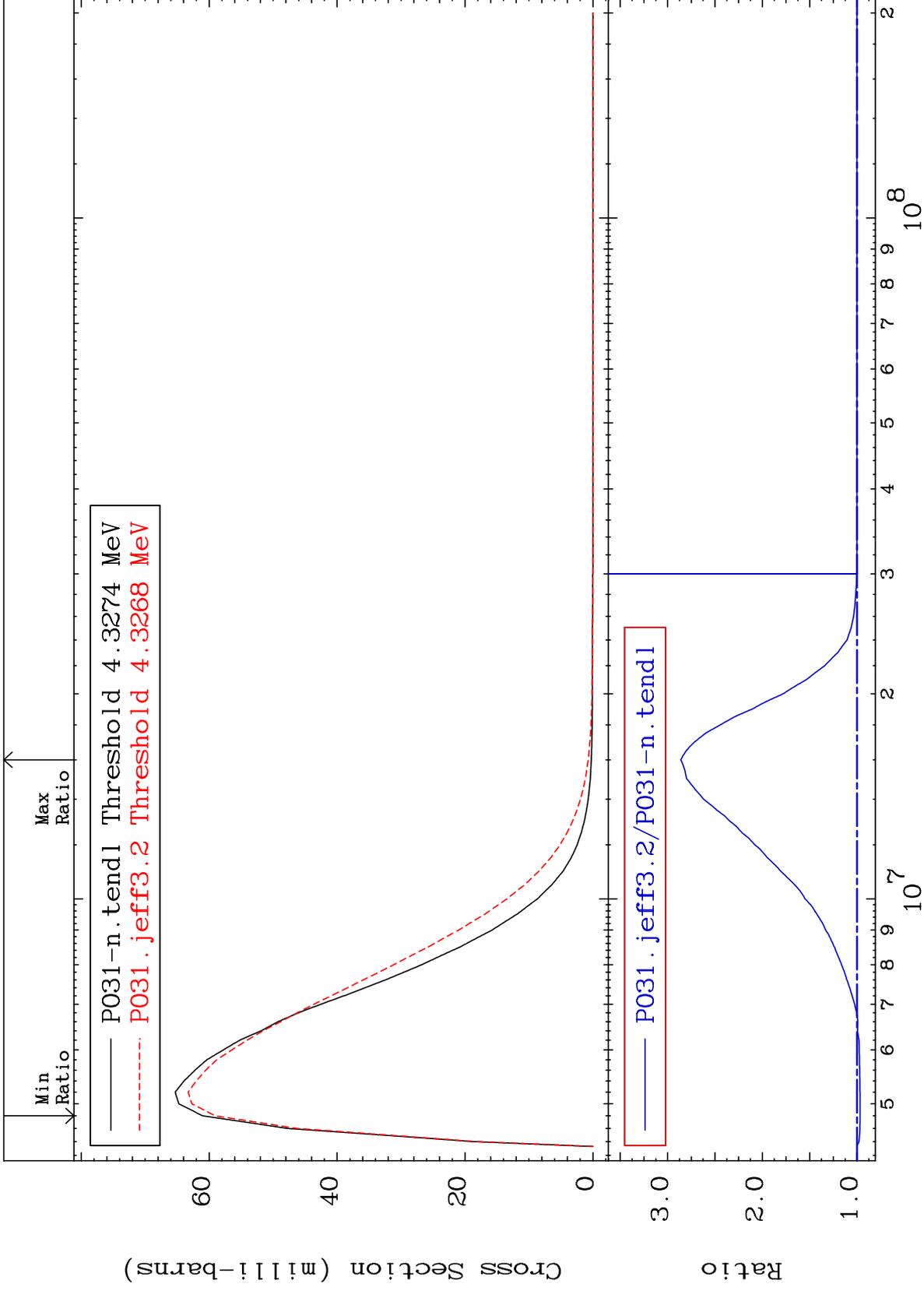


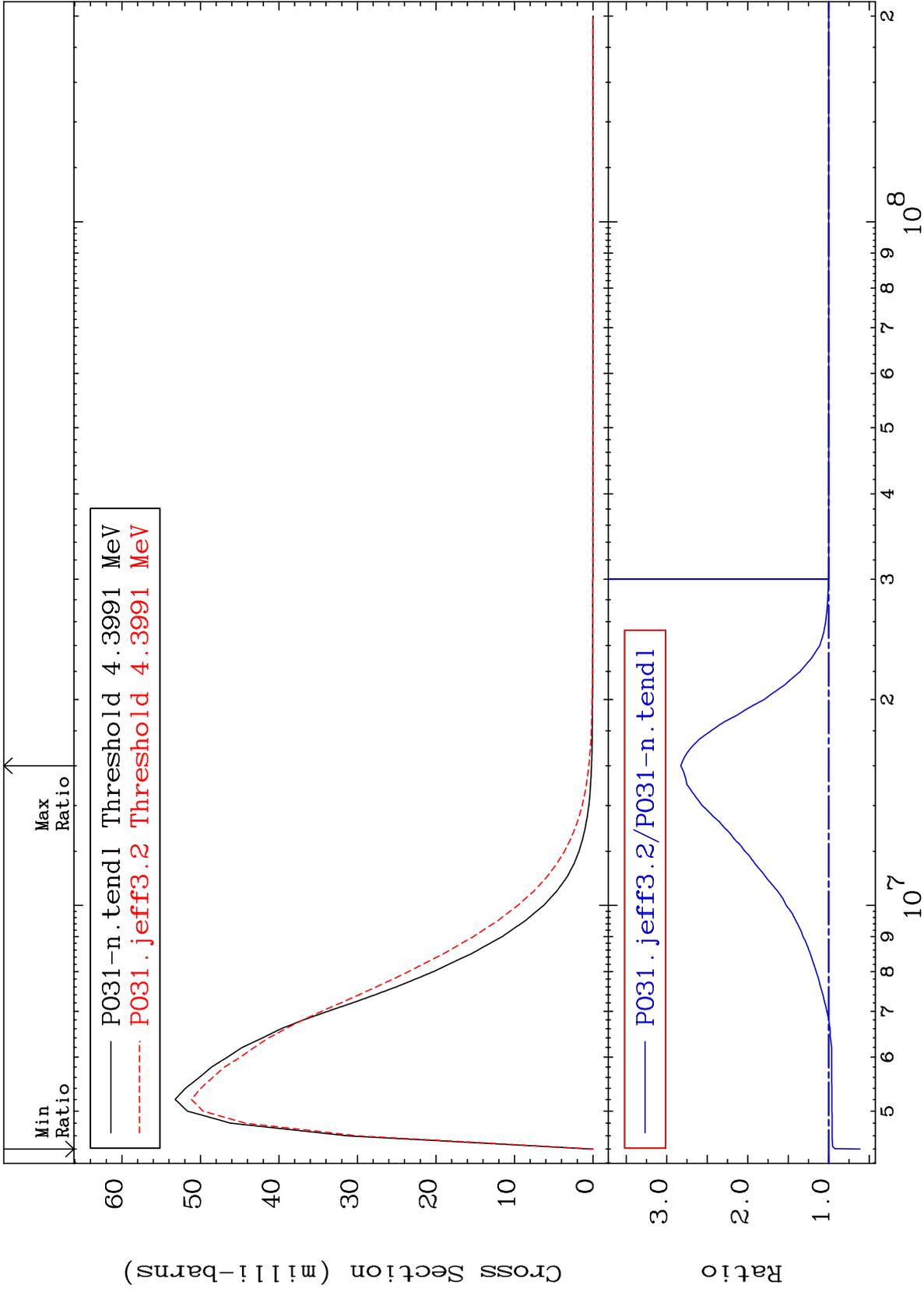


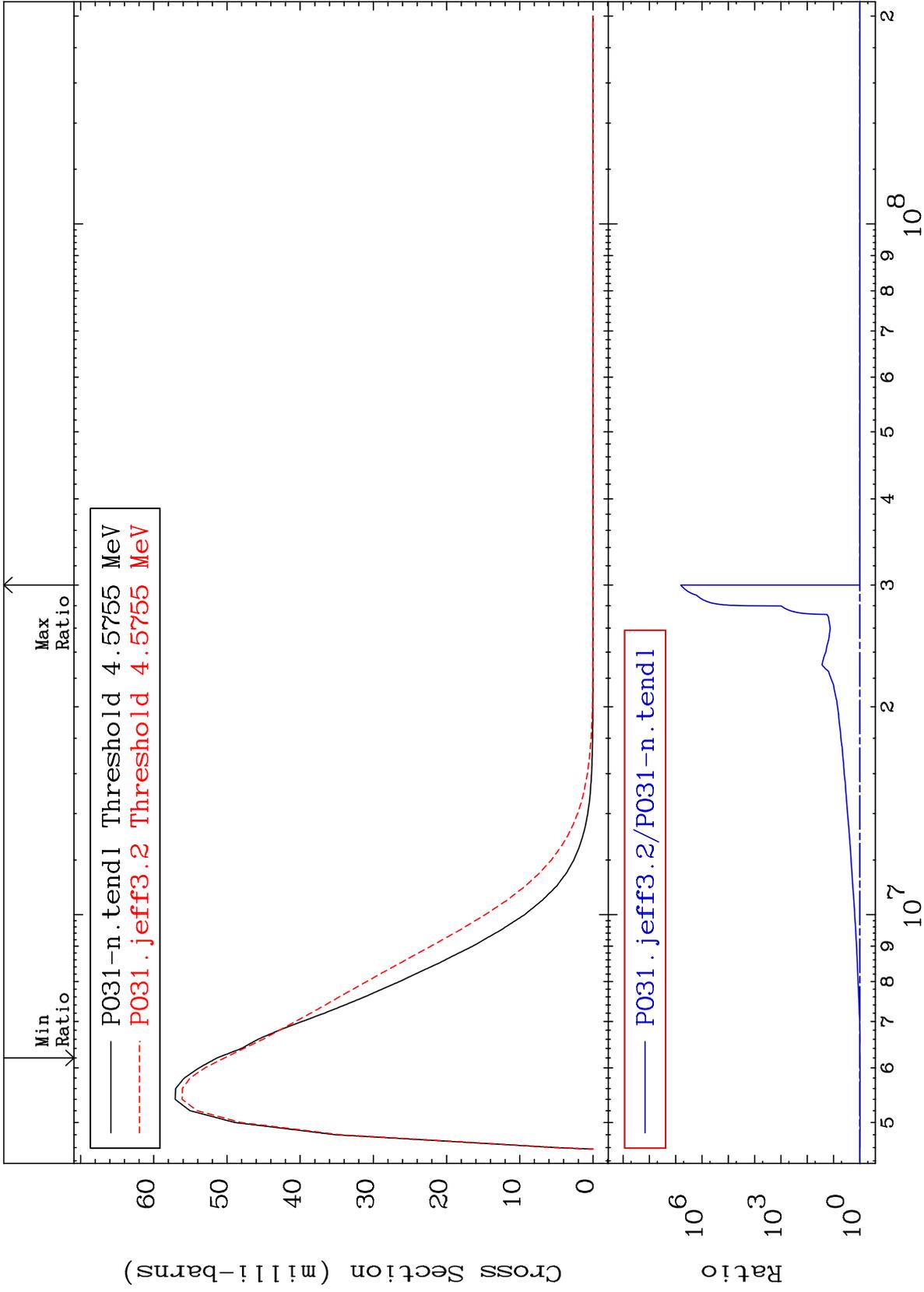


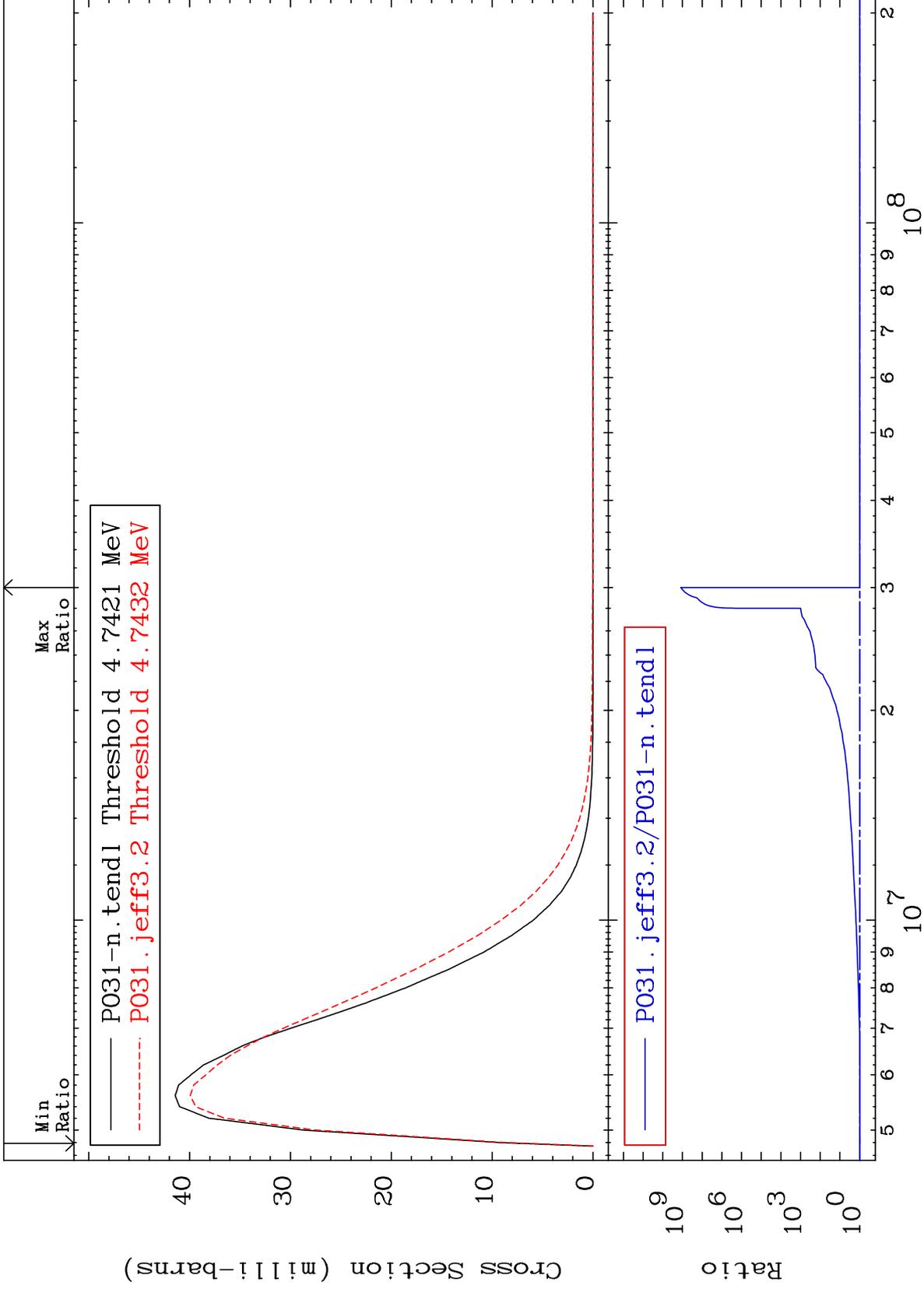


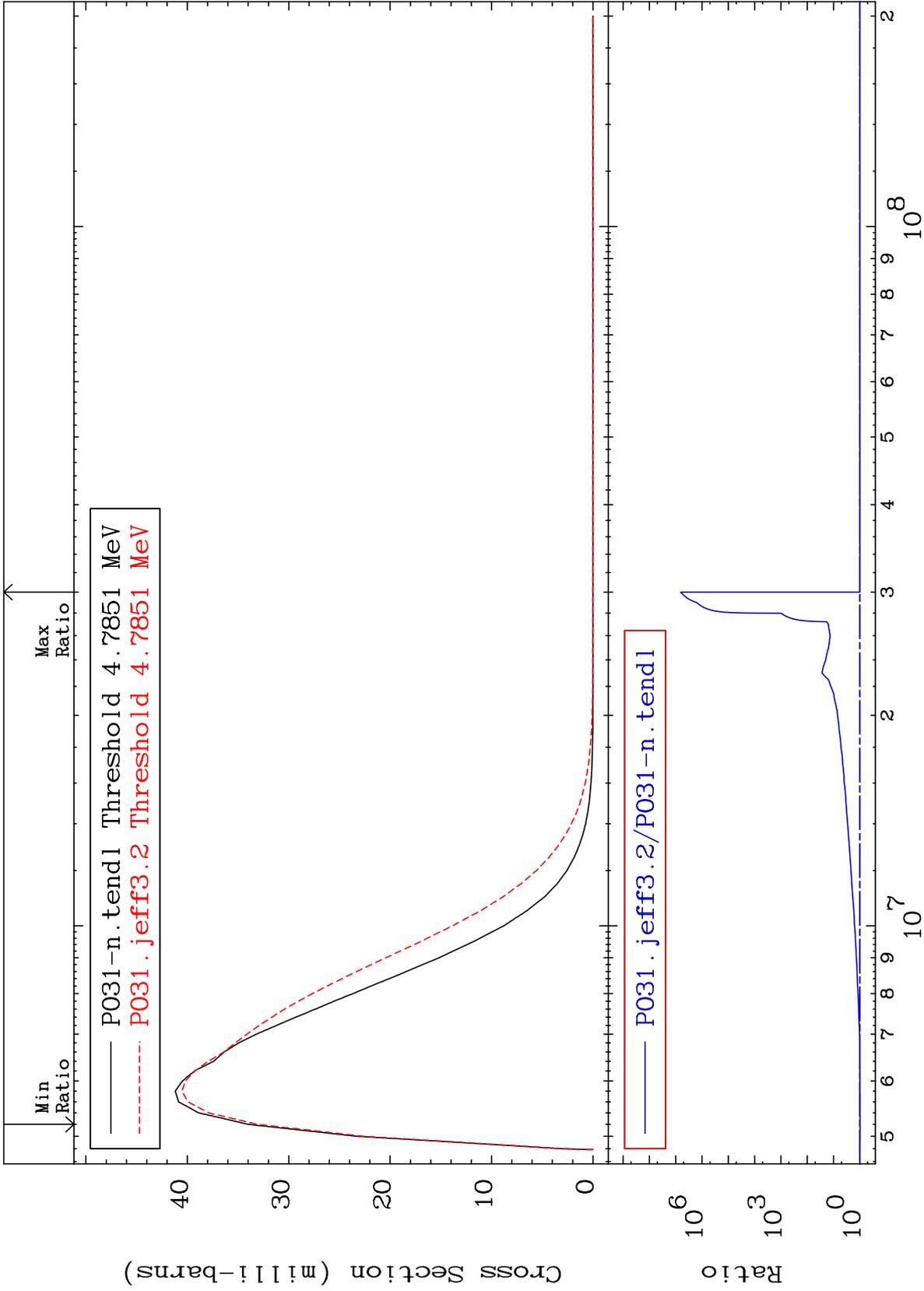








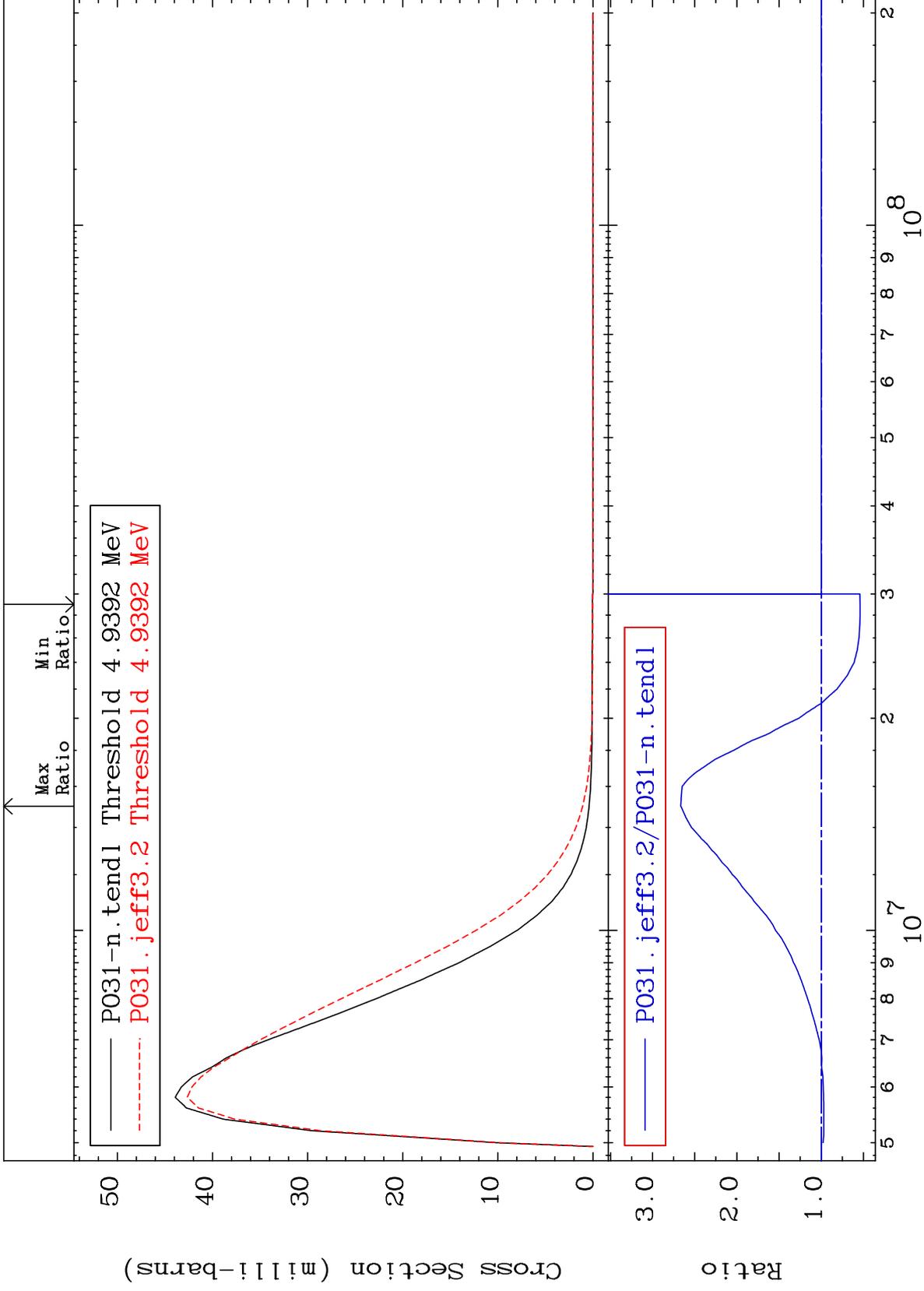




MAT 1525

4.783 MeV (n,n') Level  
Cross Section

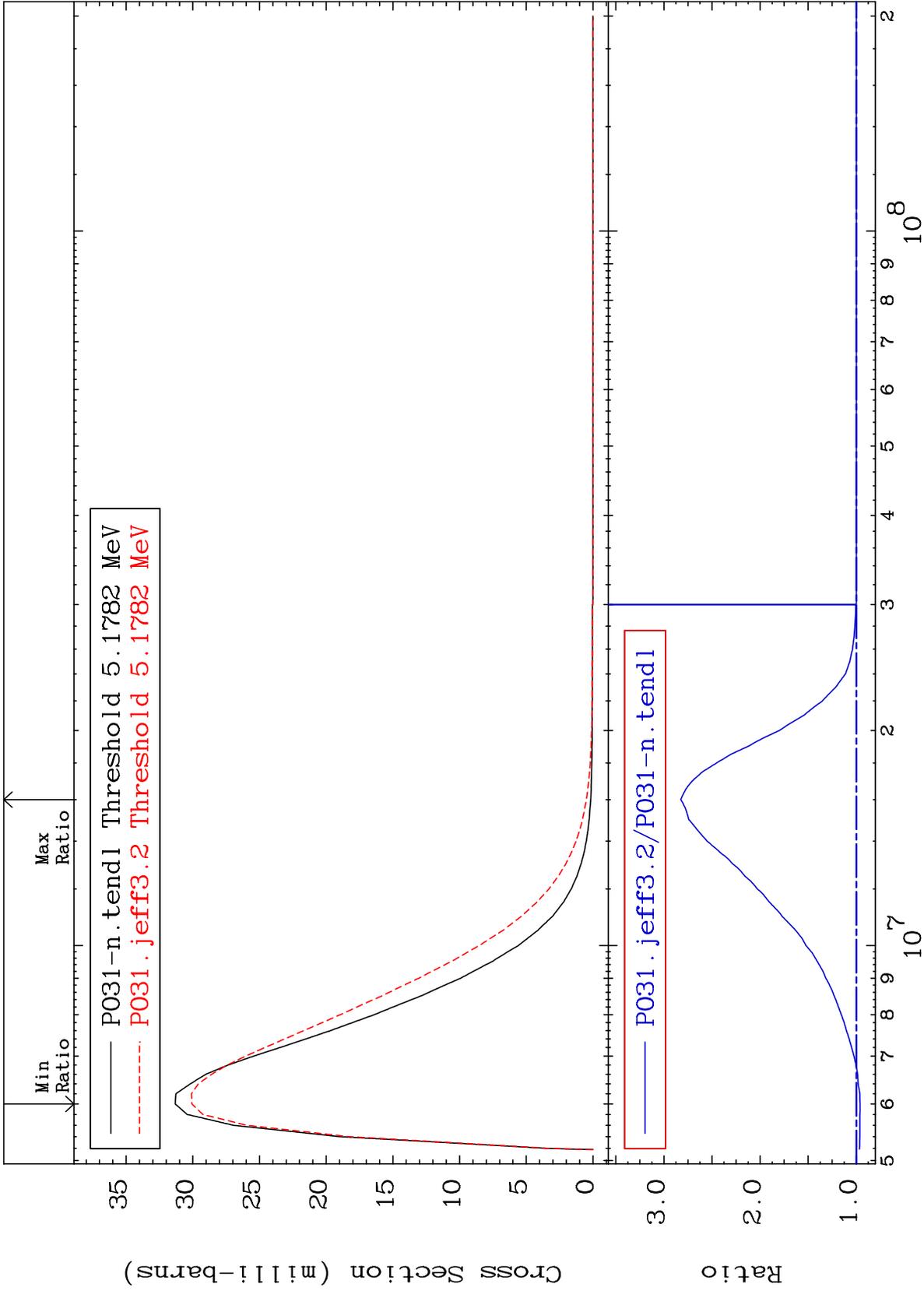
15-P -31  
-46.16 To 166.6 %

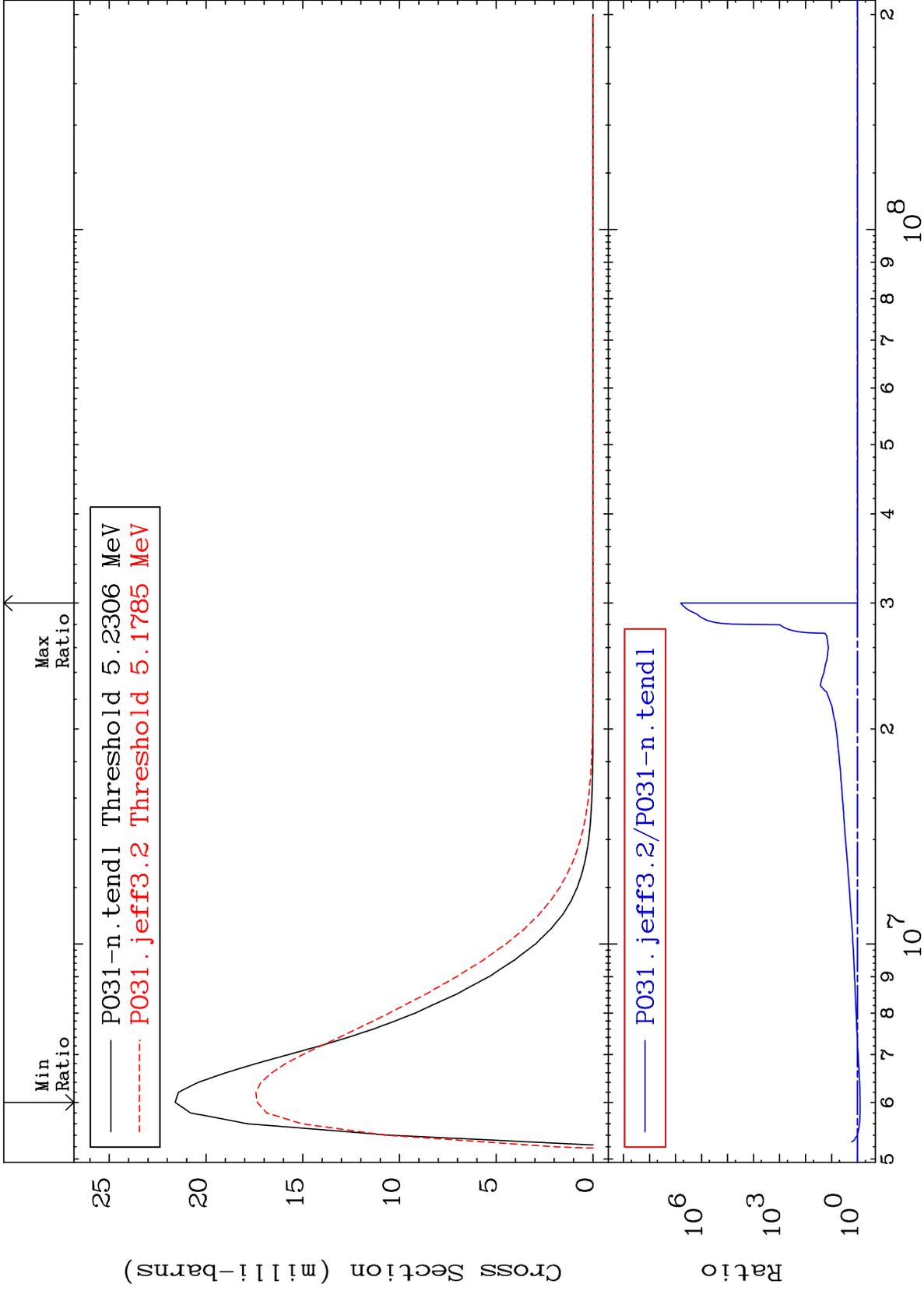


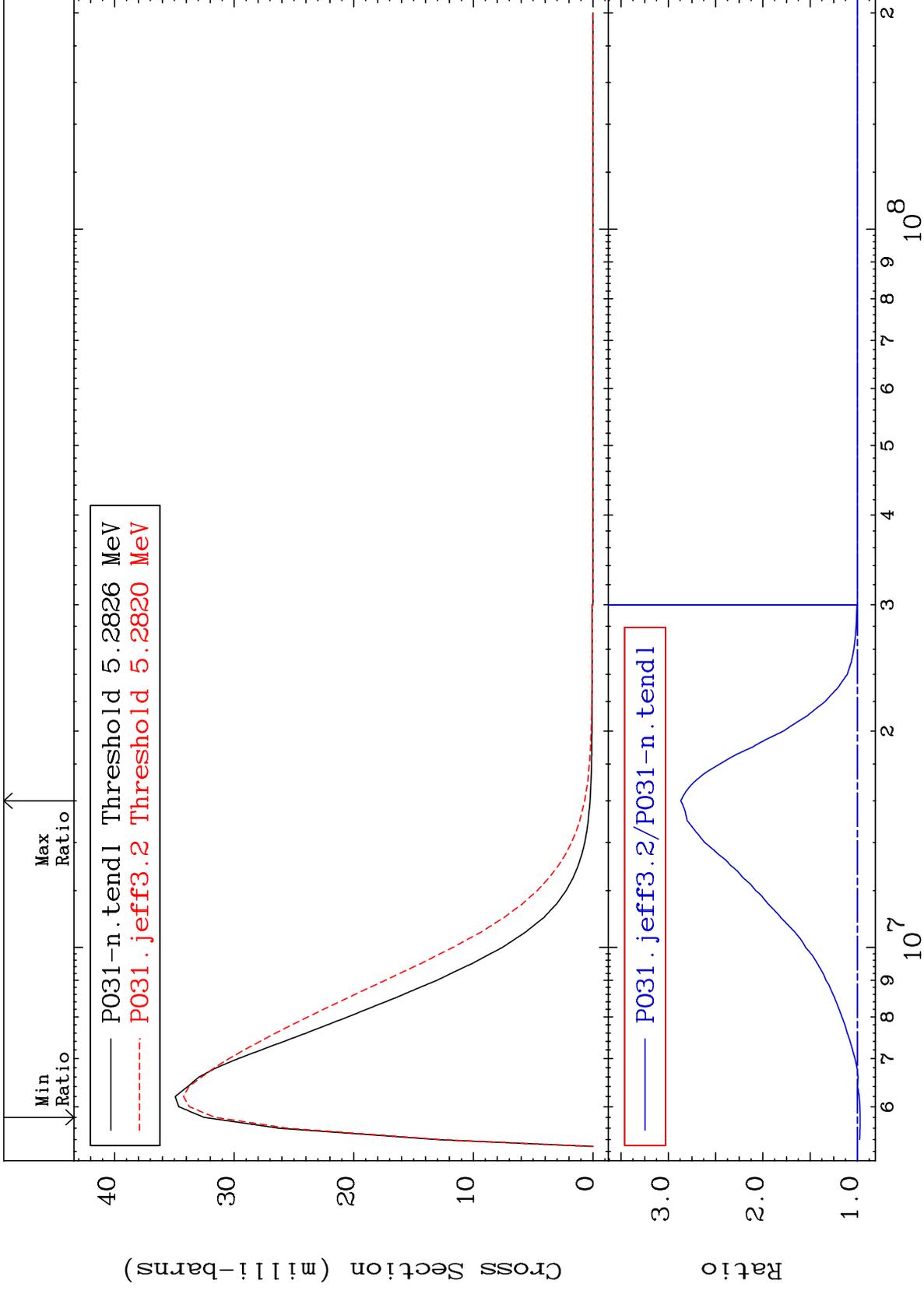
30

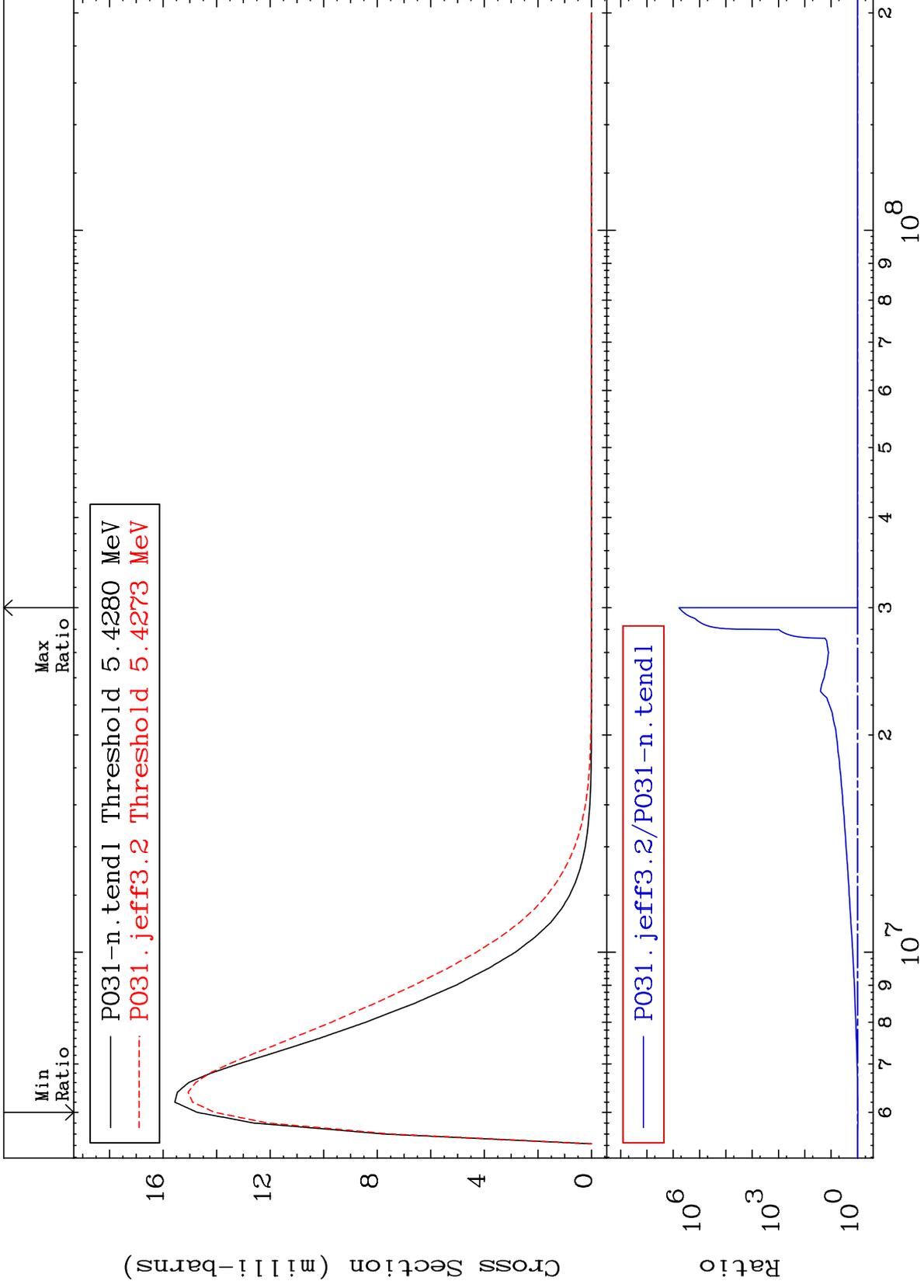
Incident Energy (eV)

15-P -31





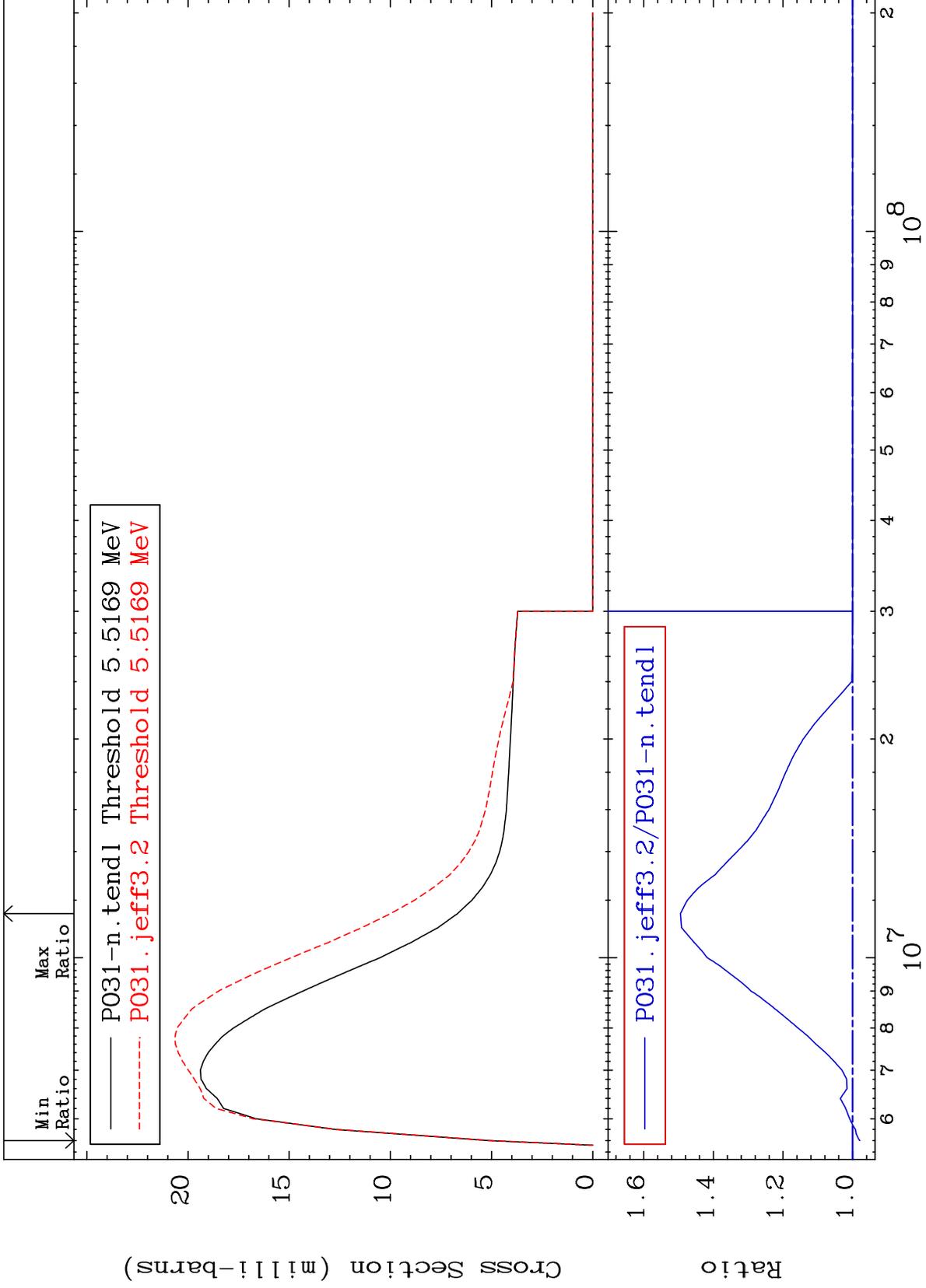




MAT 1525

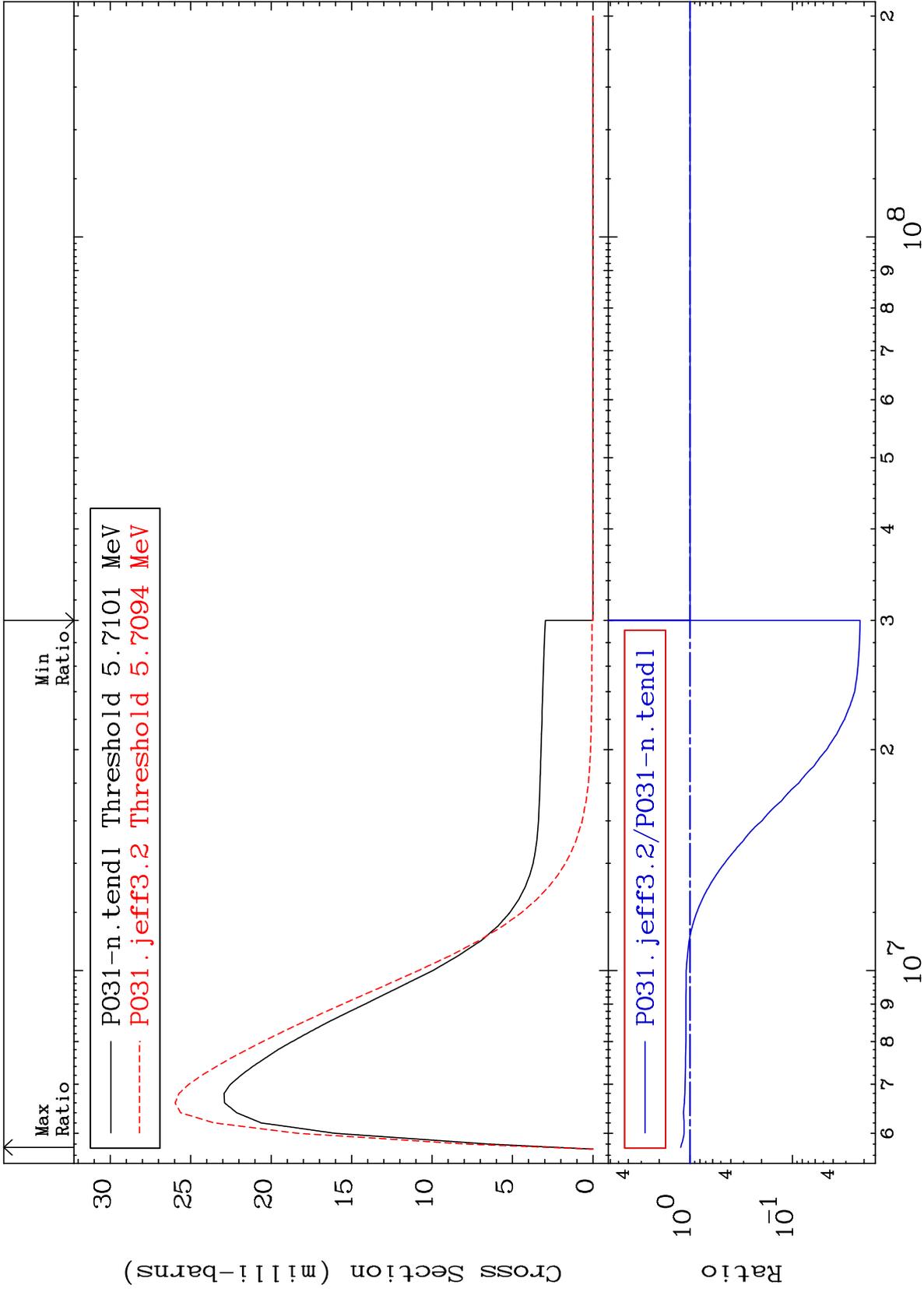
5.343 MeV (n,n') Level  
Cross Section

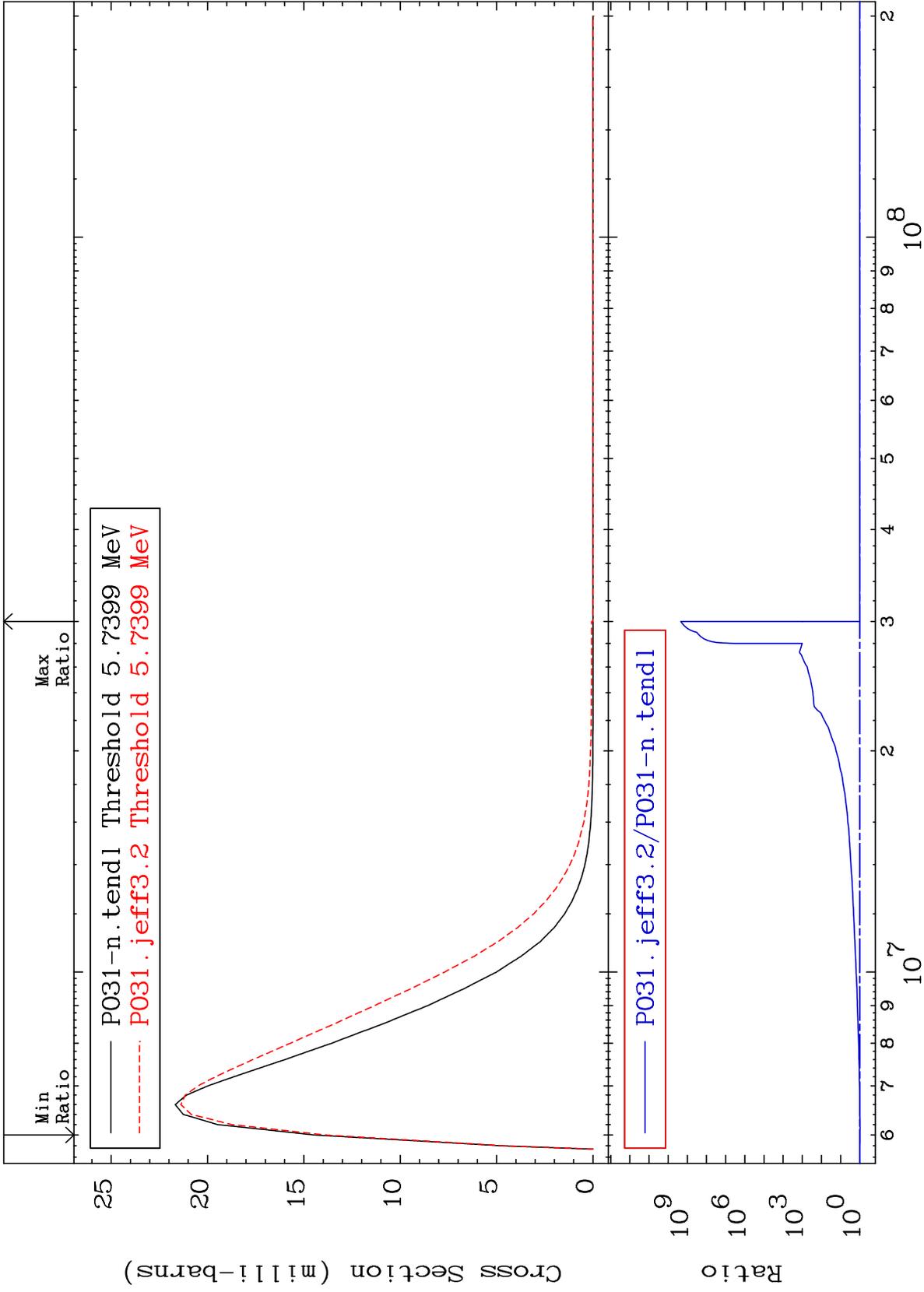
15-P -31  
-2.042 To 49.45 %



35

15-P -31

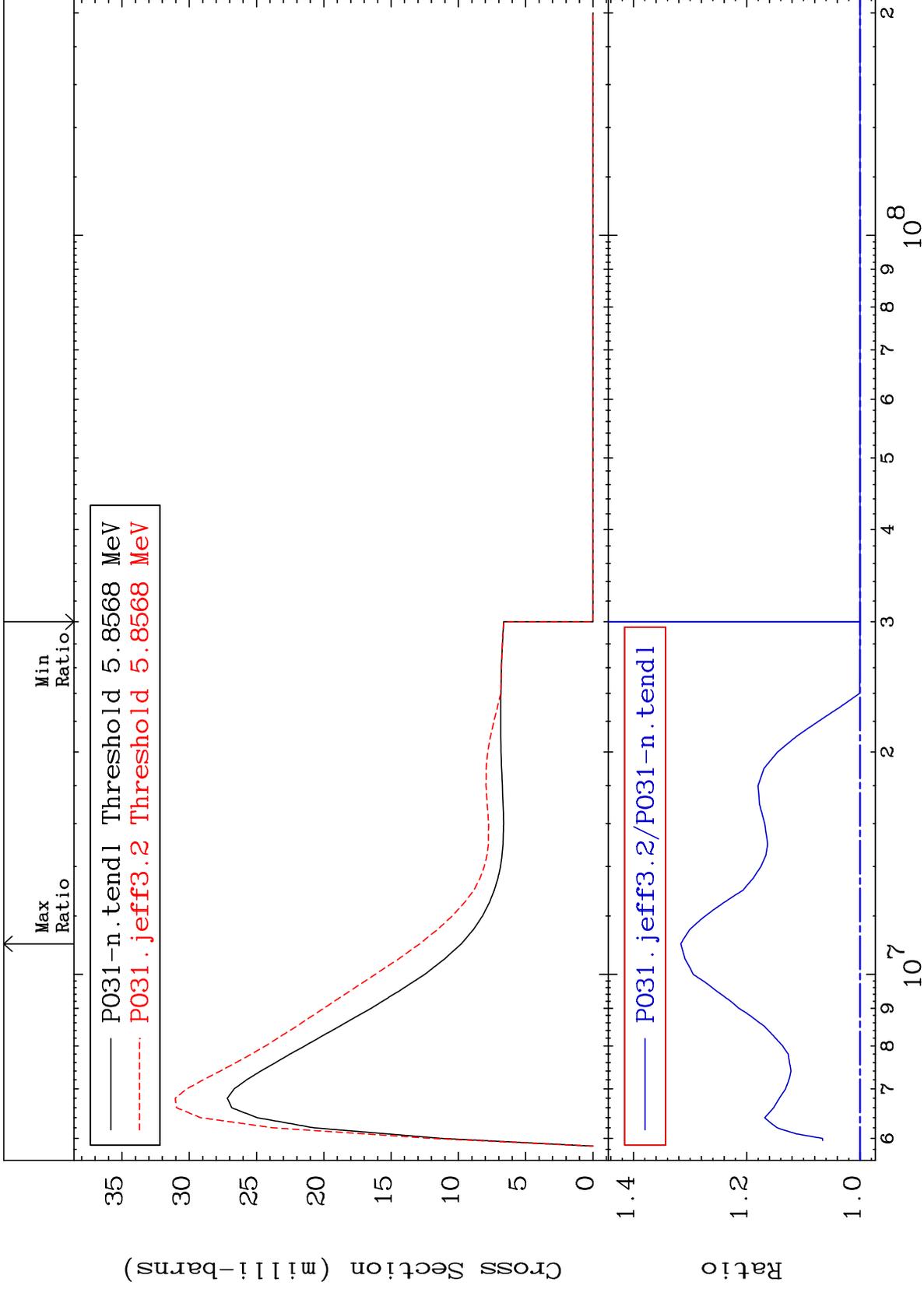




MAT 1525

5.672 MeV (n,n') Level  
Cross Section

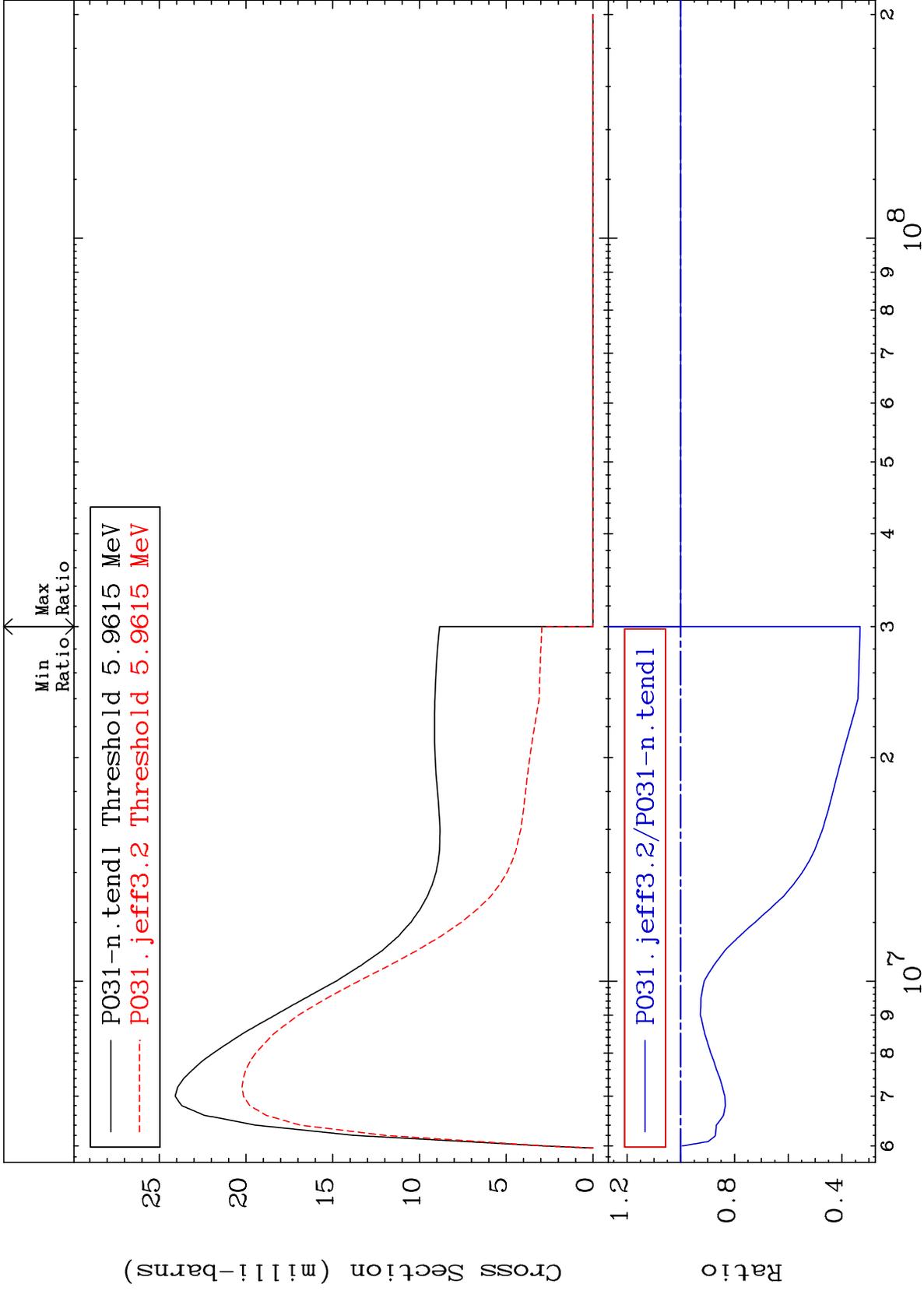
0.000 To 31.65 %  
15-P -31



MAT 1525

5.773 MeV (n,n') Level  
Cross Section

15-P -31  
-66.74 To 0.000 %



39

Incident Energy (eV)

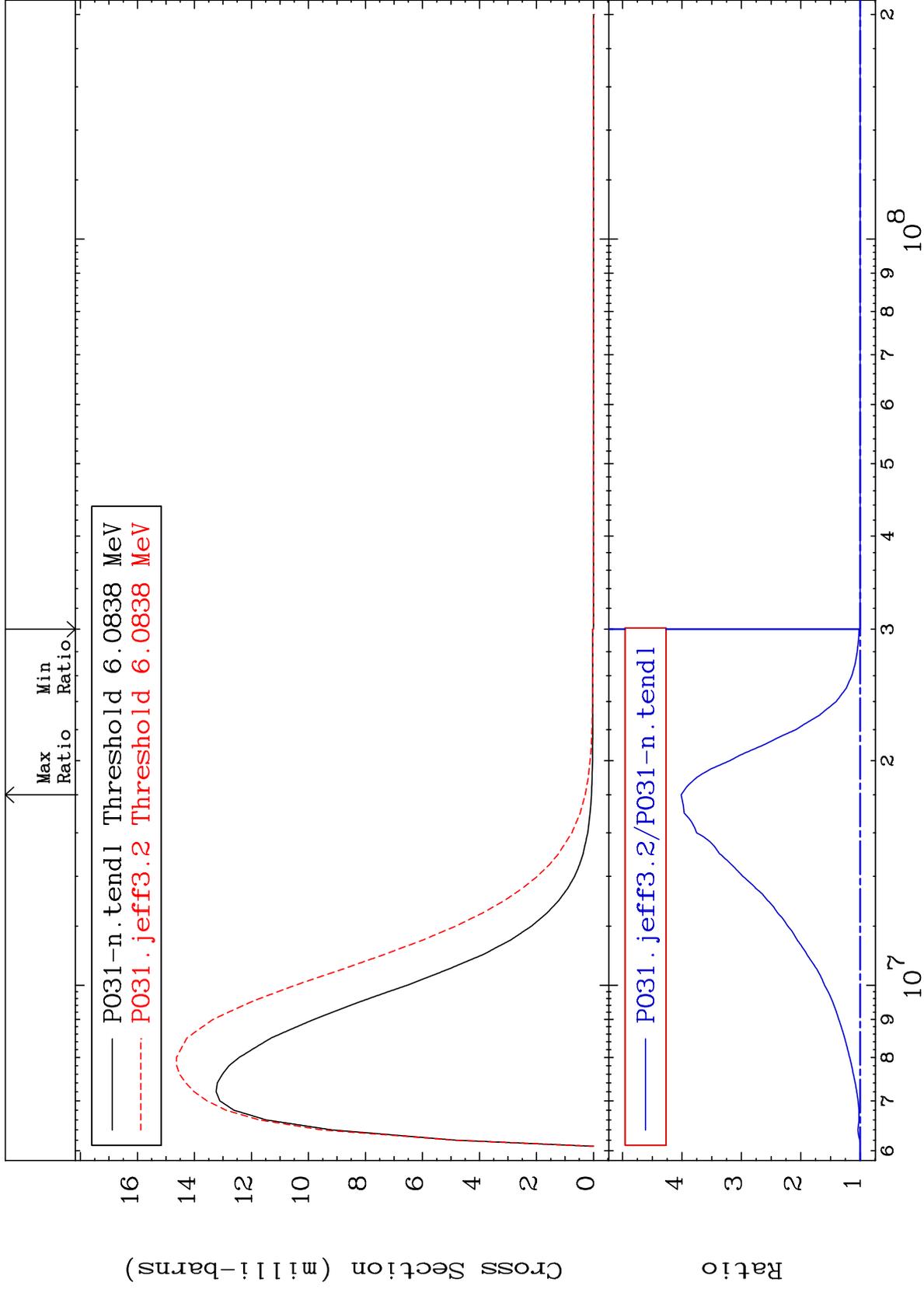
15-P -31

MAT 1525

5.892 MeV (n,n') Level

15-P -31

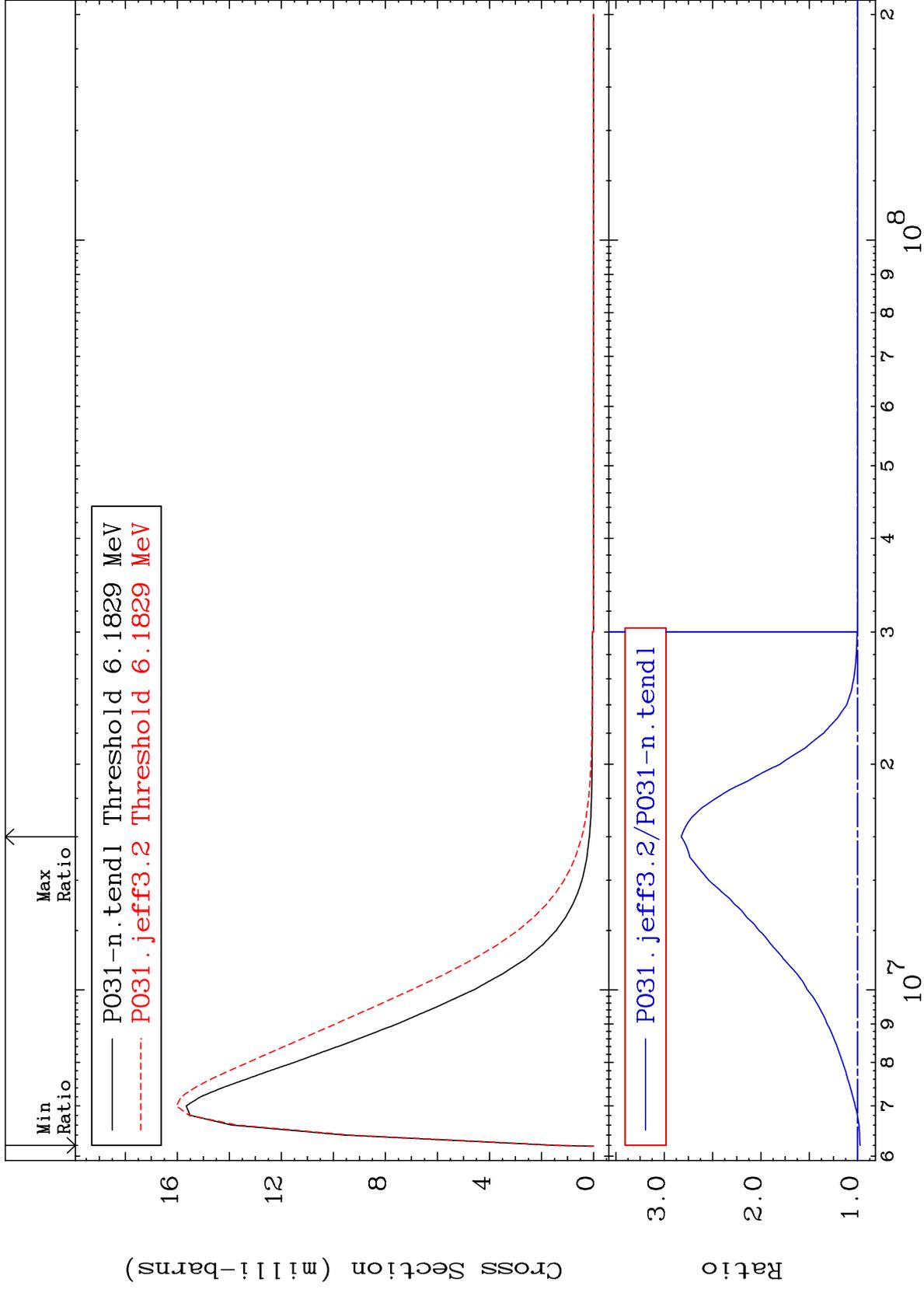
Cross Section To 301.4 %



40

Incident Energy (eV)

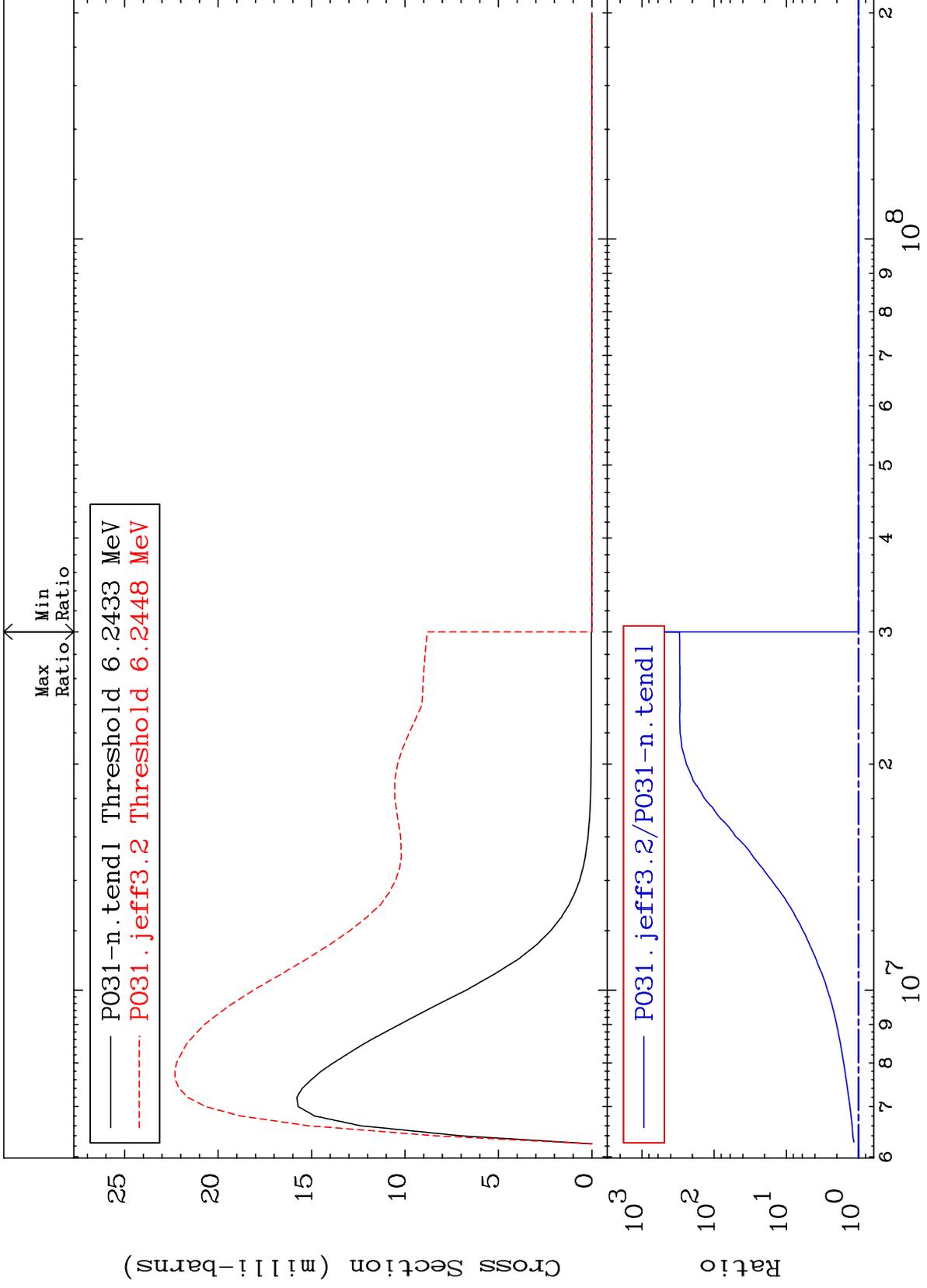
15-P -31



MAT 1525

6.046 MeV (n,n') Level  
Cross Section

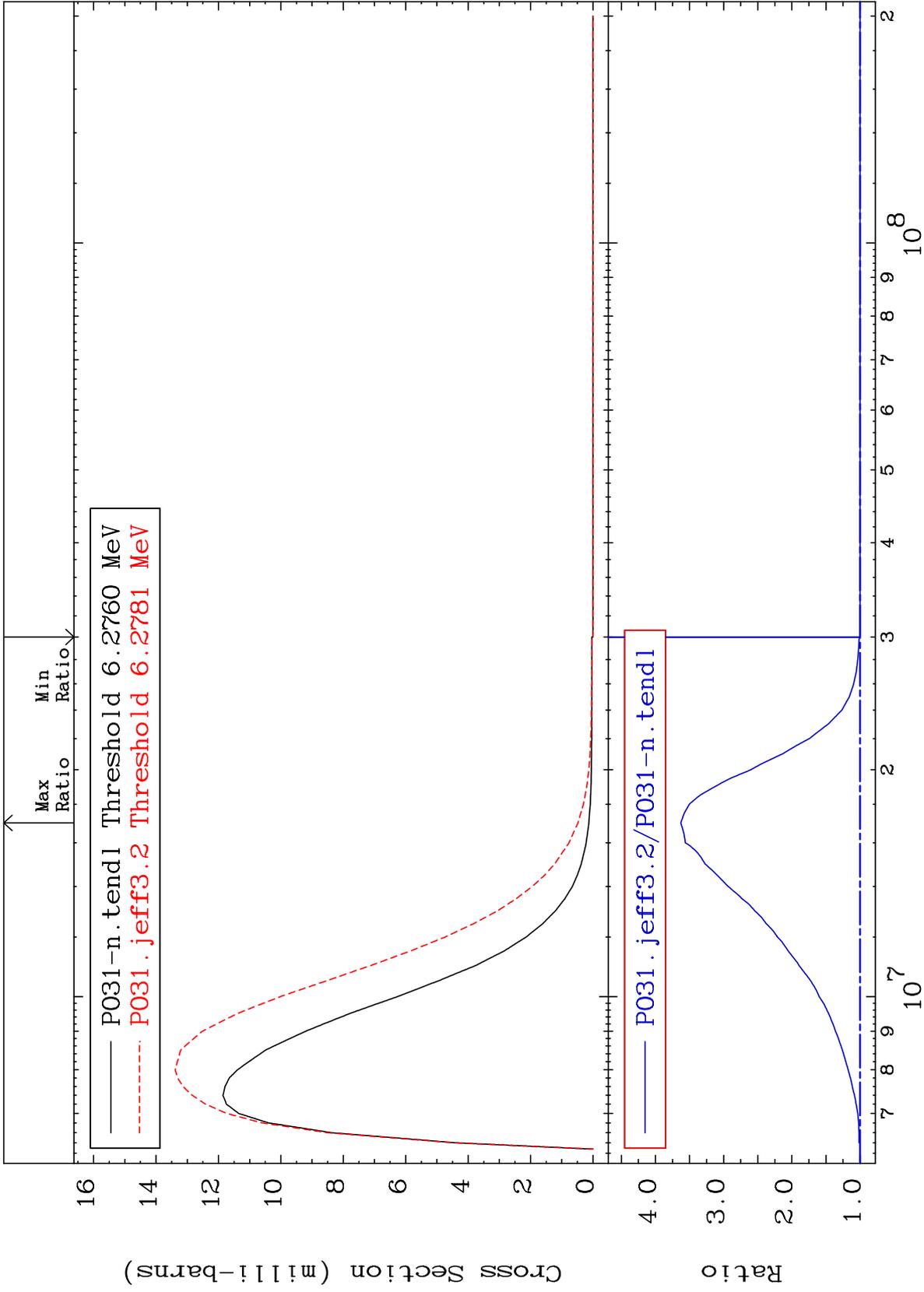
15-P -31  
0.000 To 9999. %

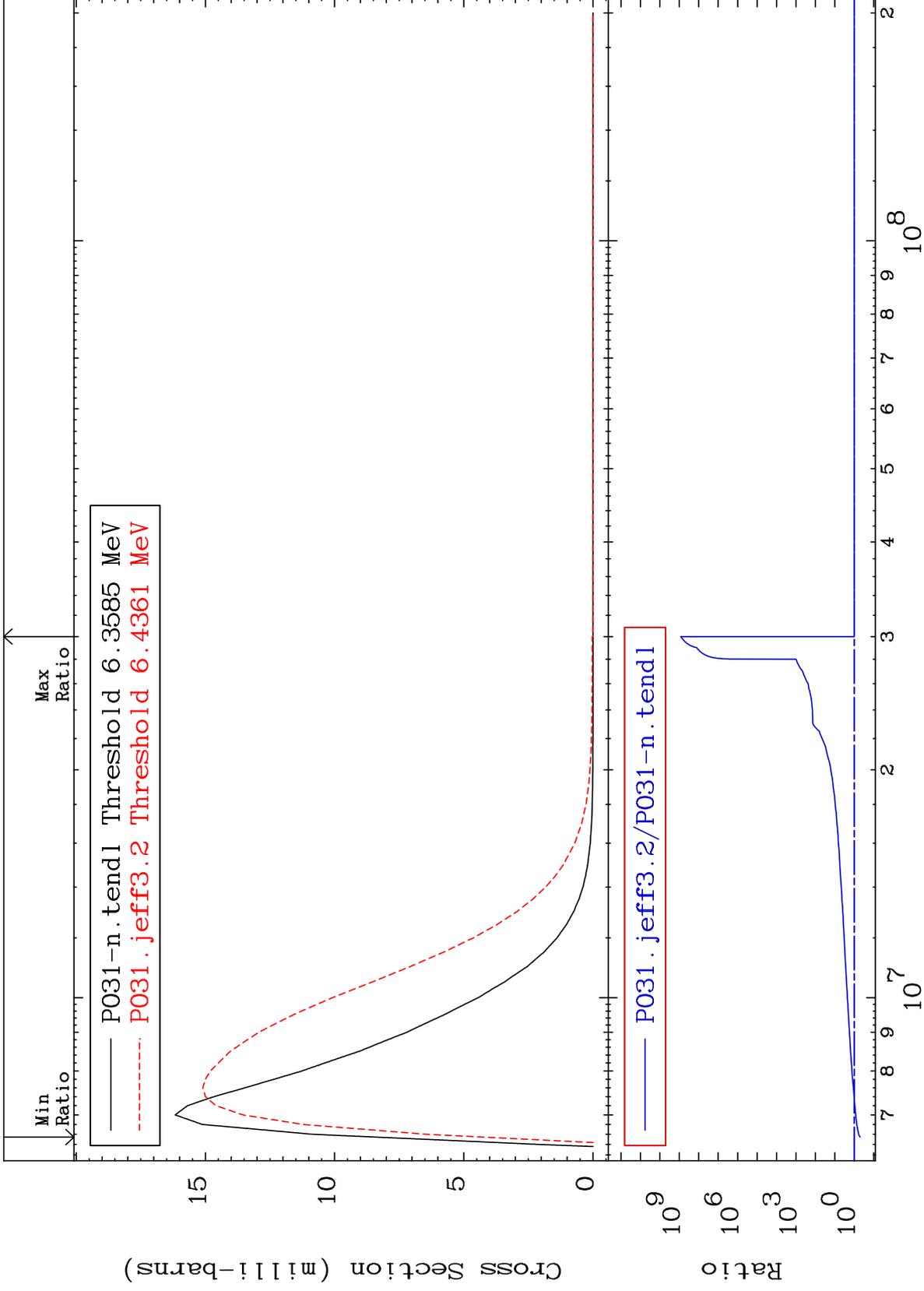


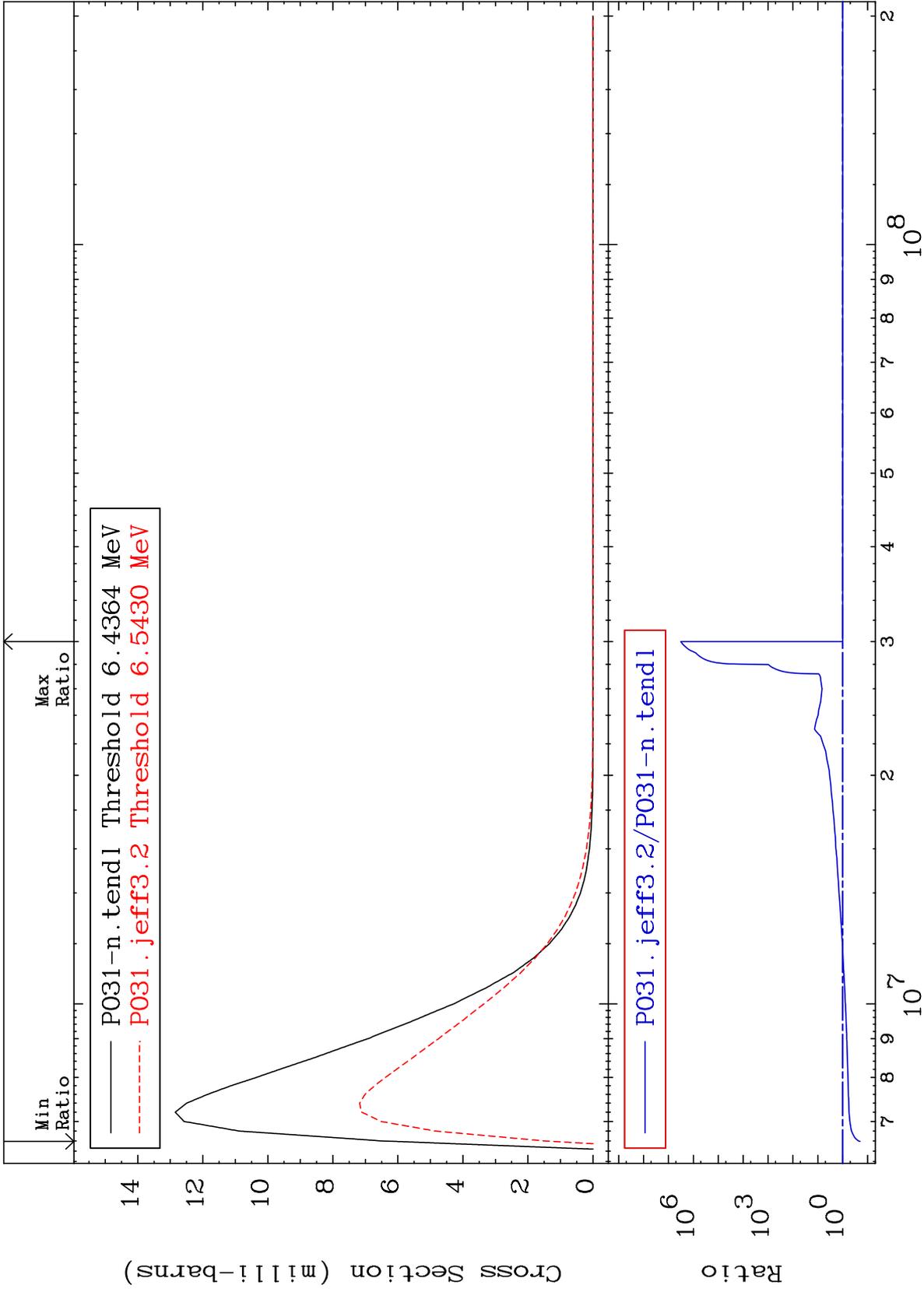
MAT 1525

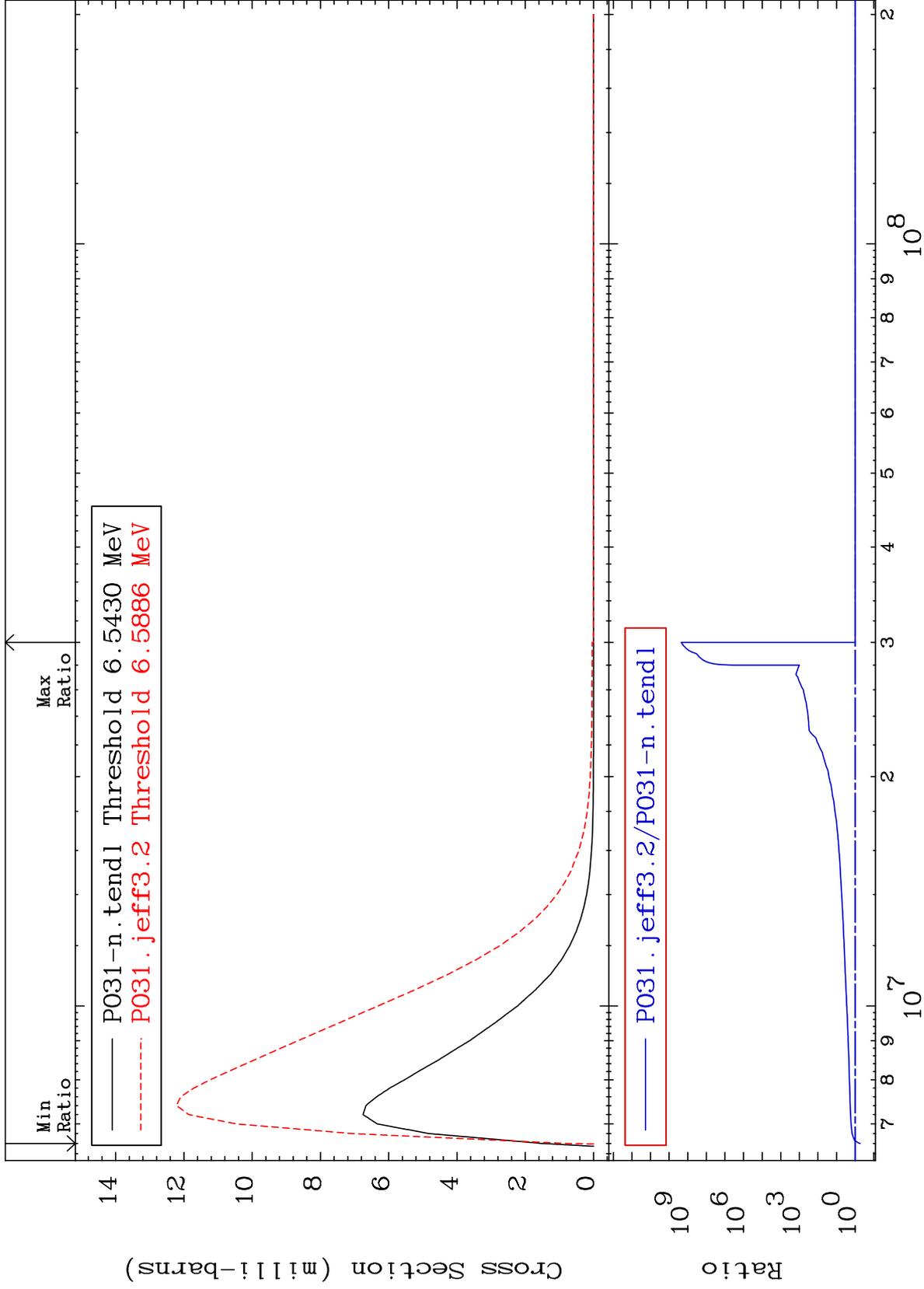
6.078 MeV (n,n') Level  
Cross Section

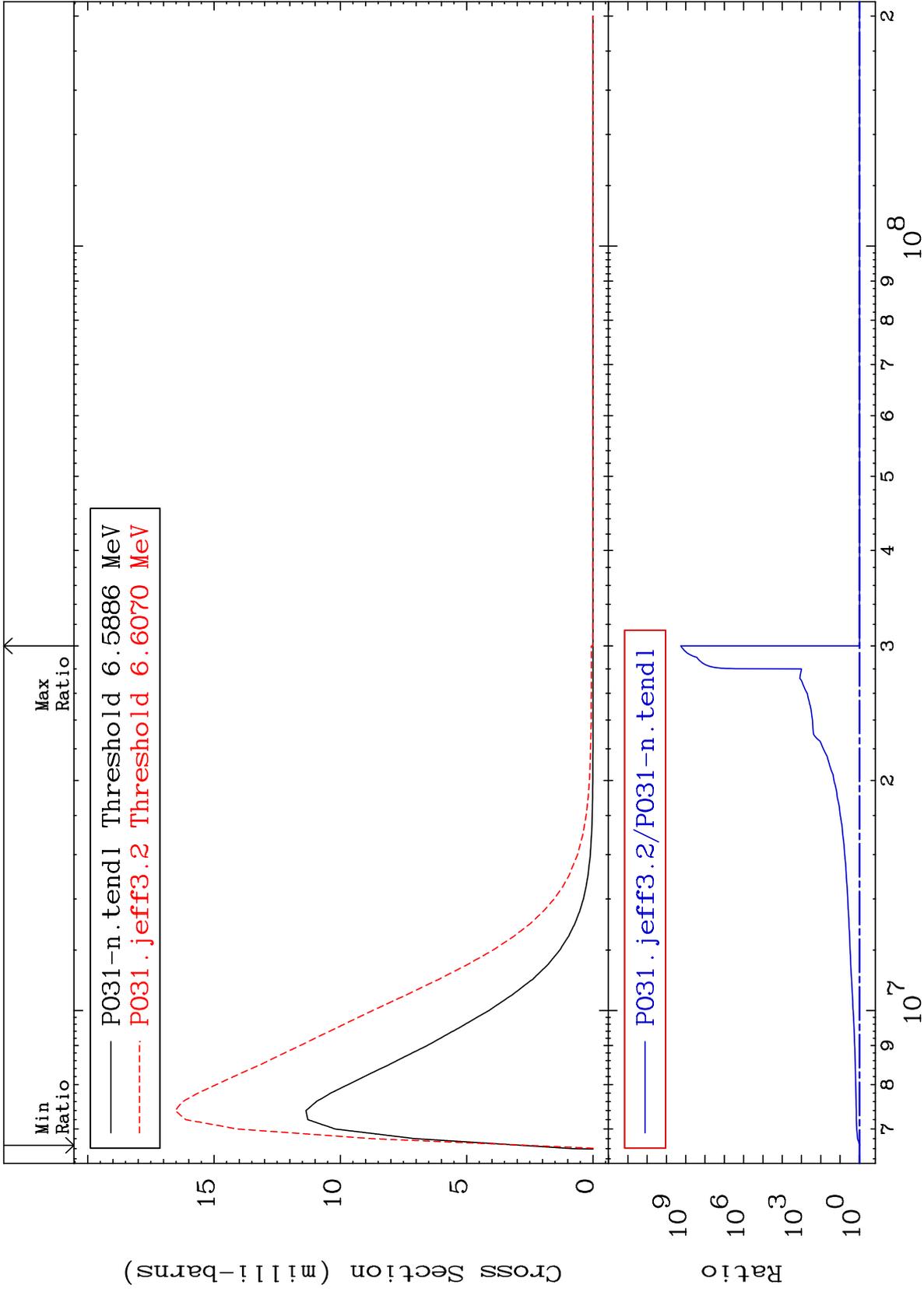
15-P -31  
0.000 To 262.9 %

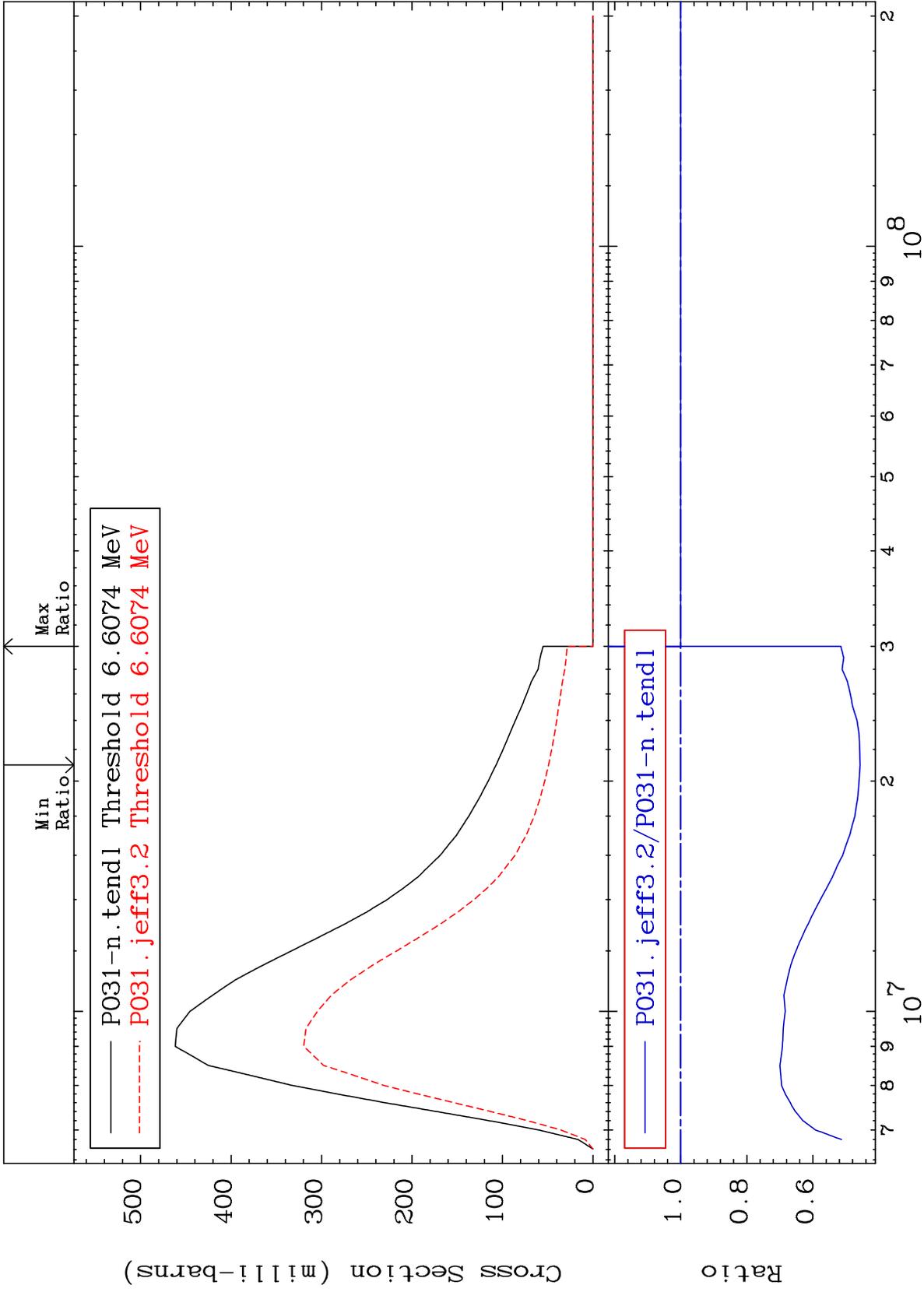


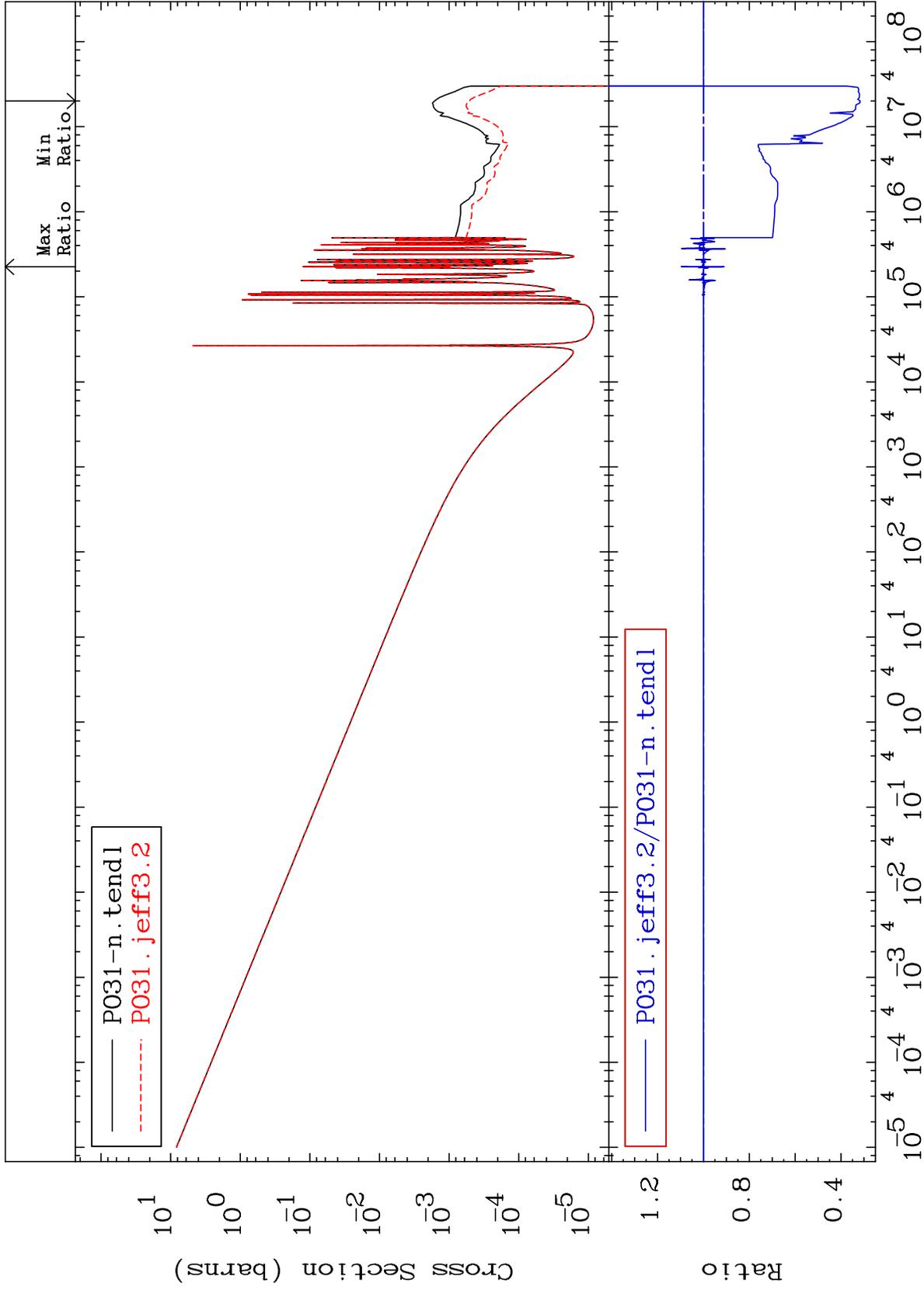












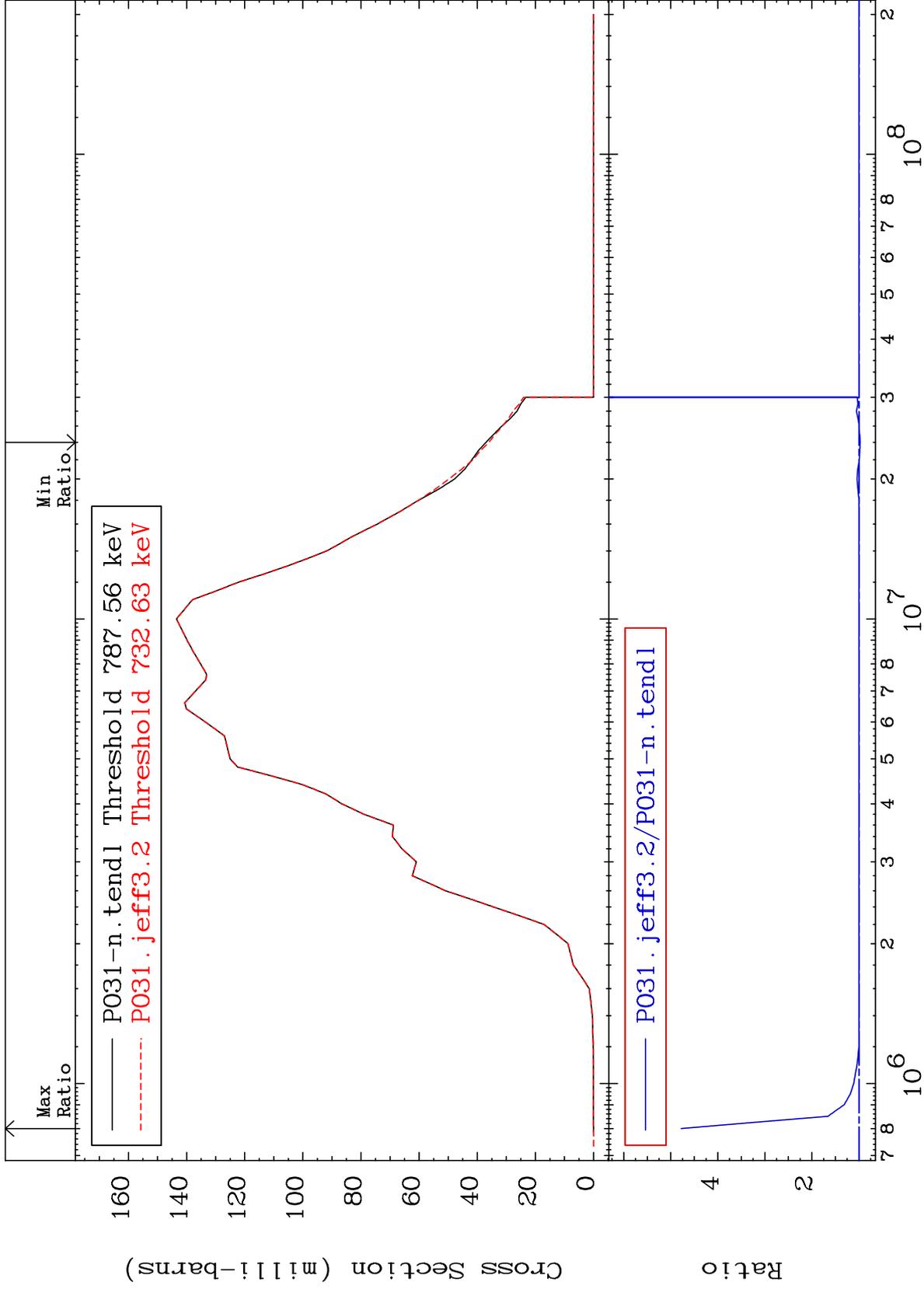
MAT 1525

(n,p)

15-P -31

Cross Section

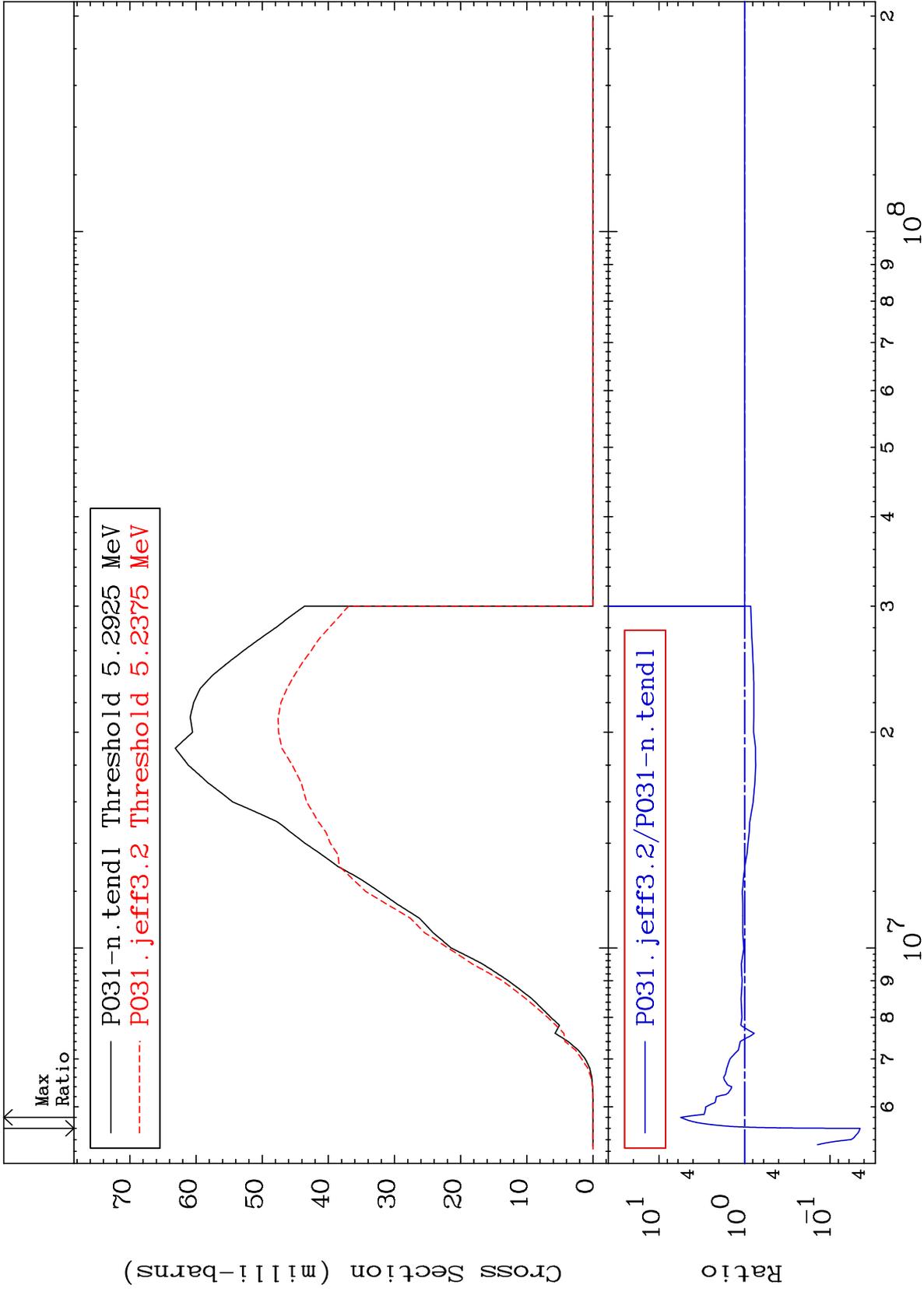
-2.735 To 377.9 %



50

Incident Energy (eV)

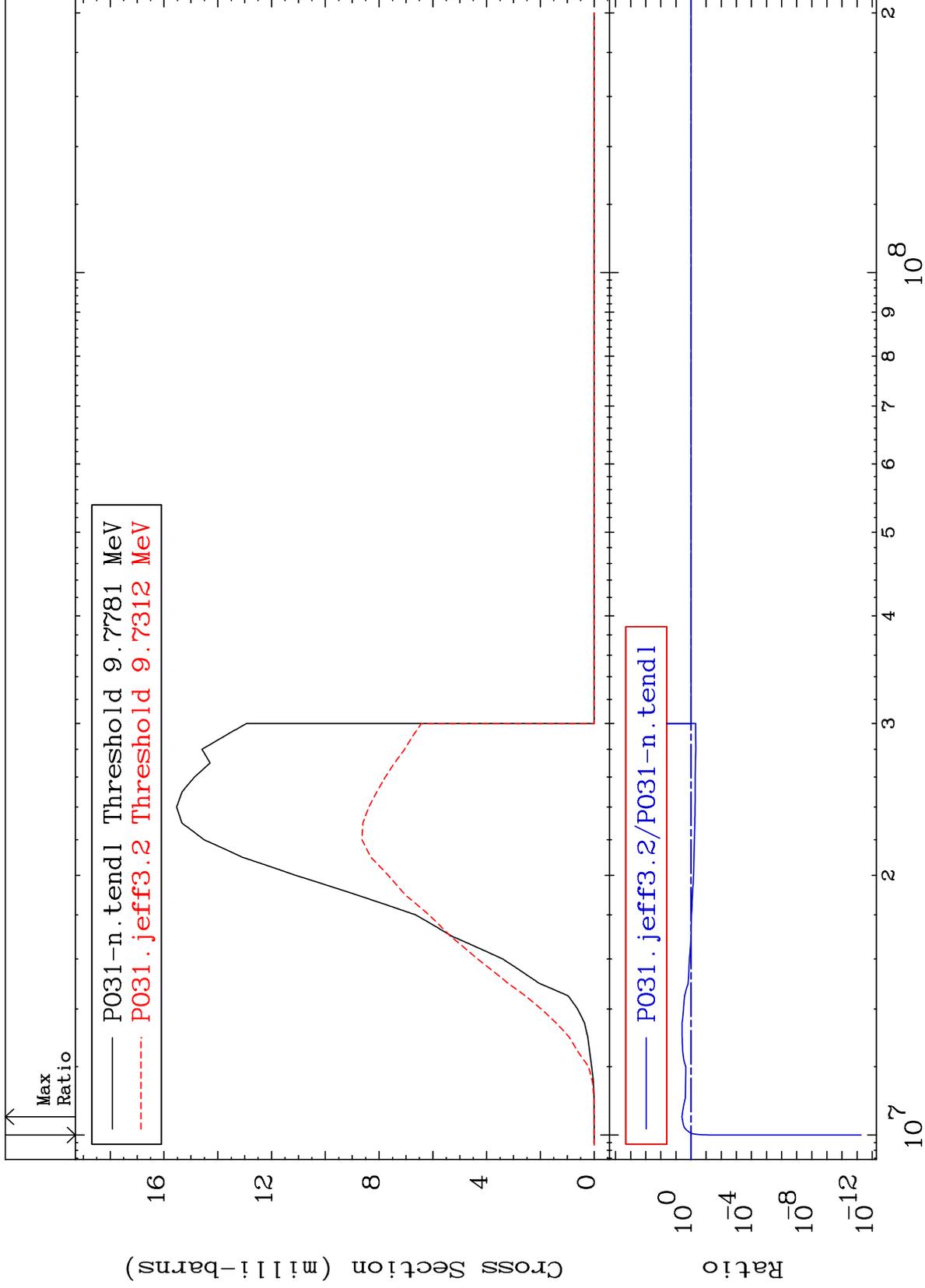
15-P -31



MAT 1525

(n, t)  
Cross Section

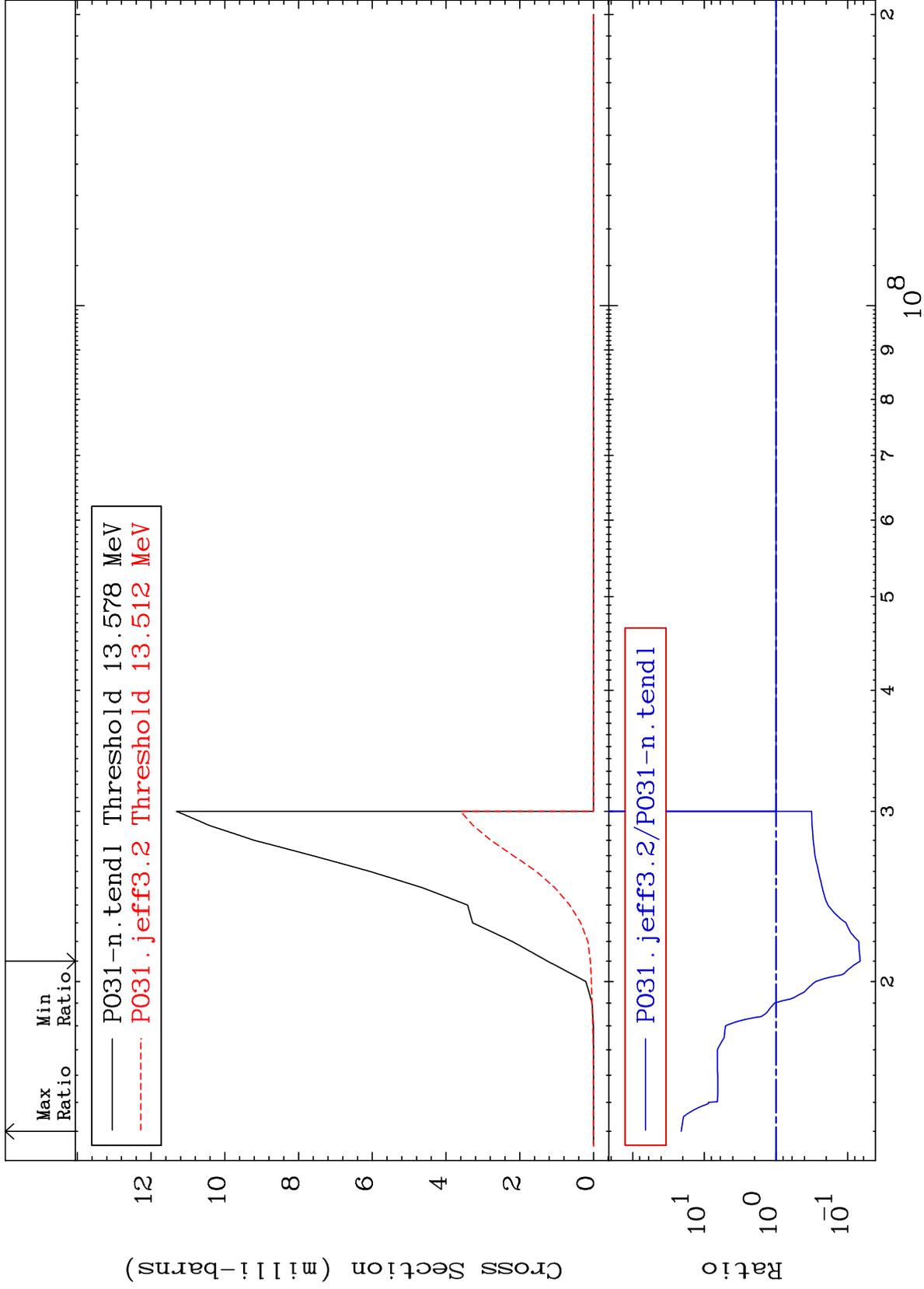
15-P -31  
-100.0 To 302.5 %

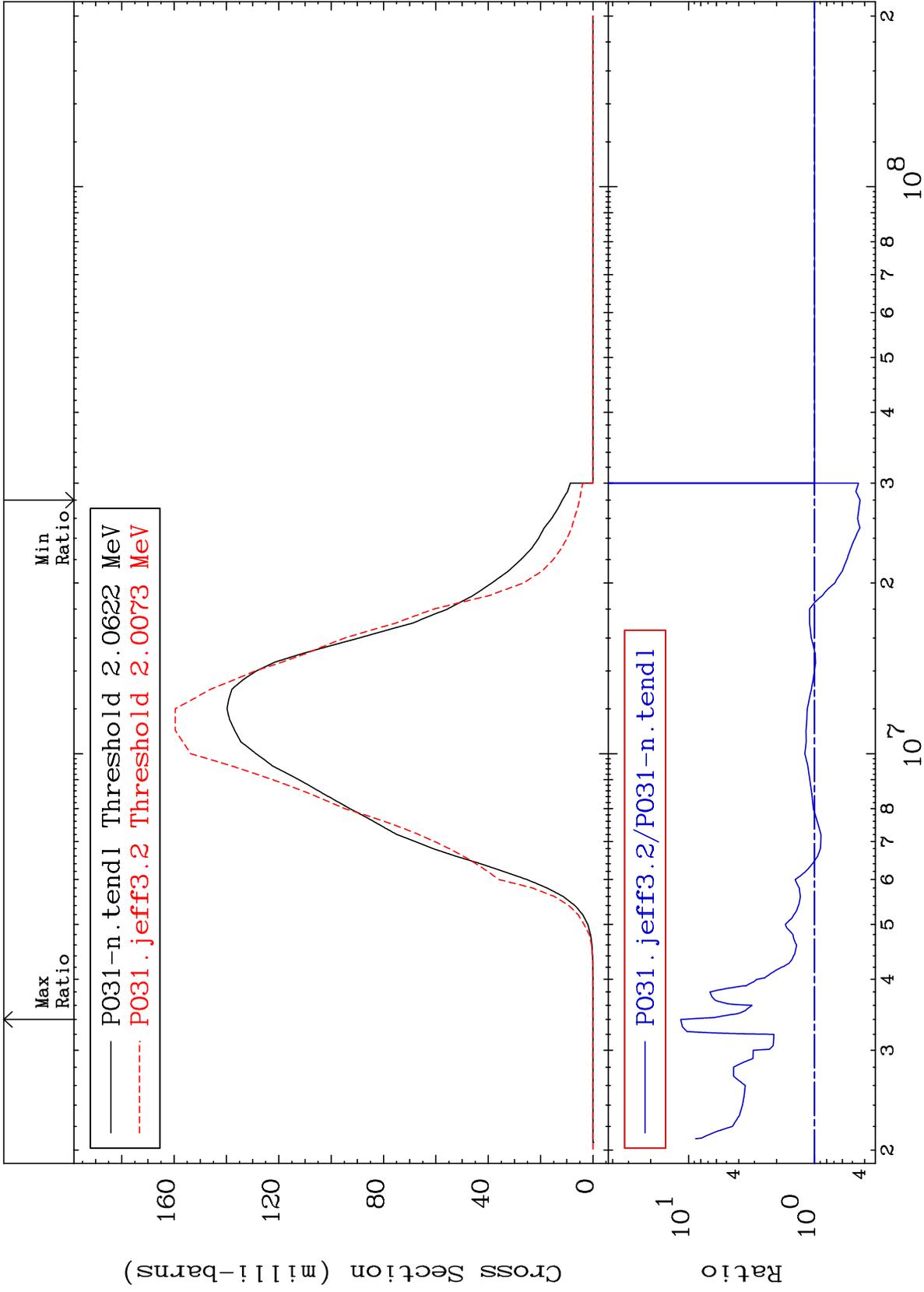


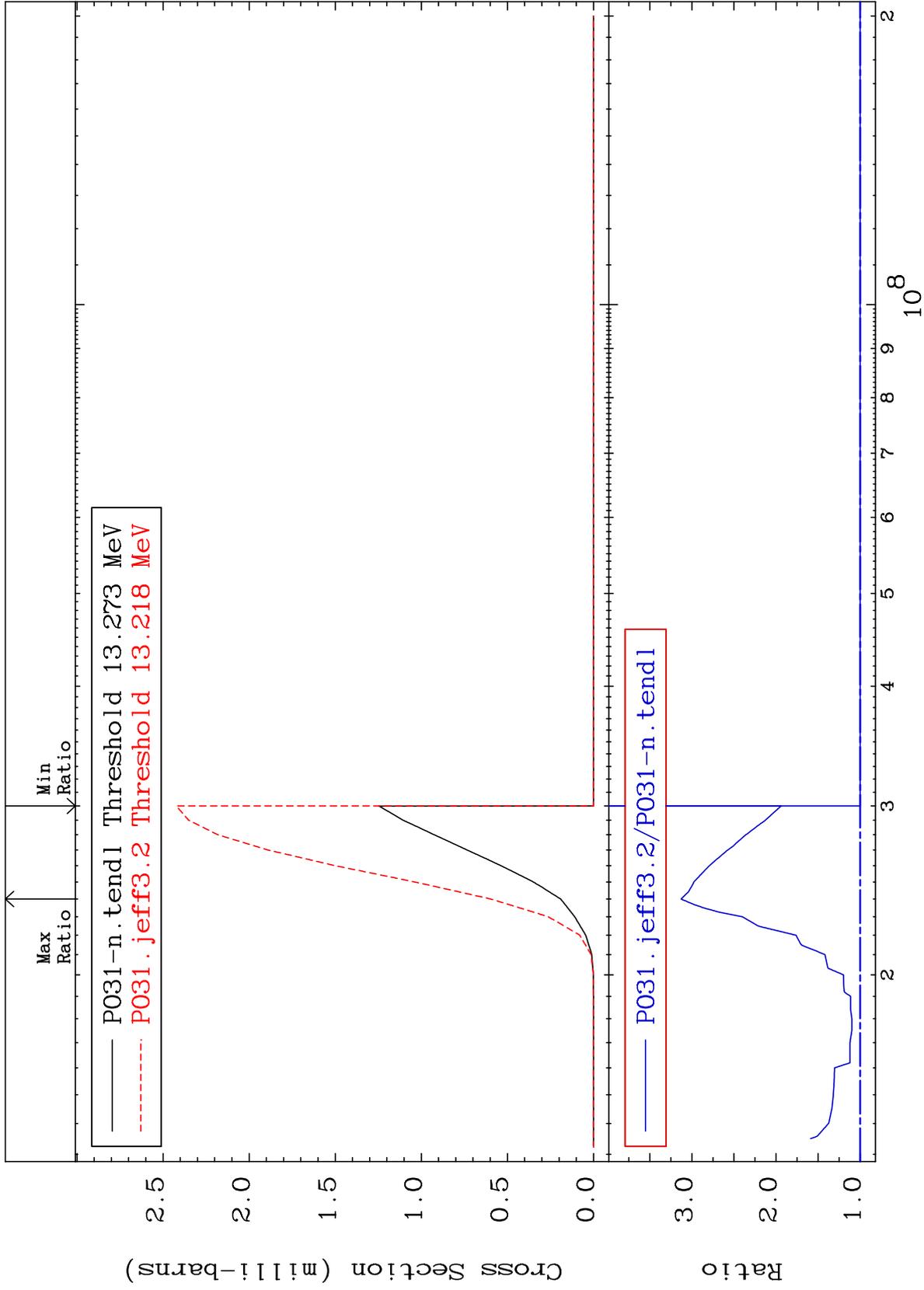
52

Incident Energy (eV)

15-P -31







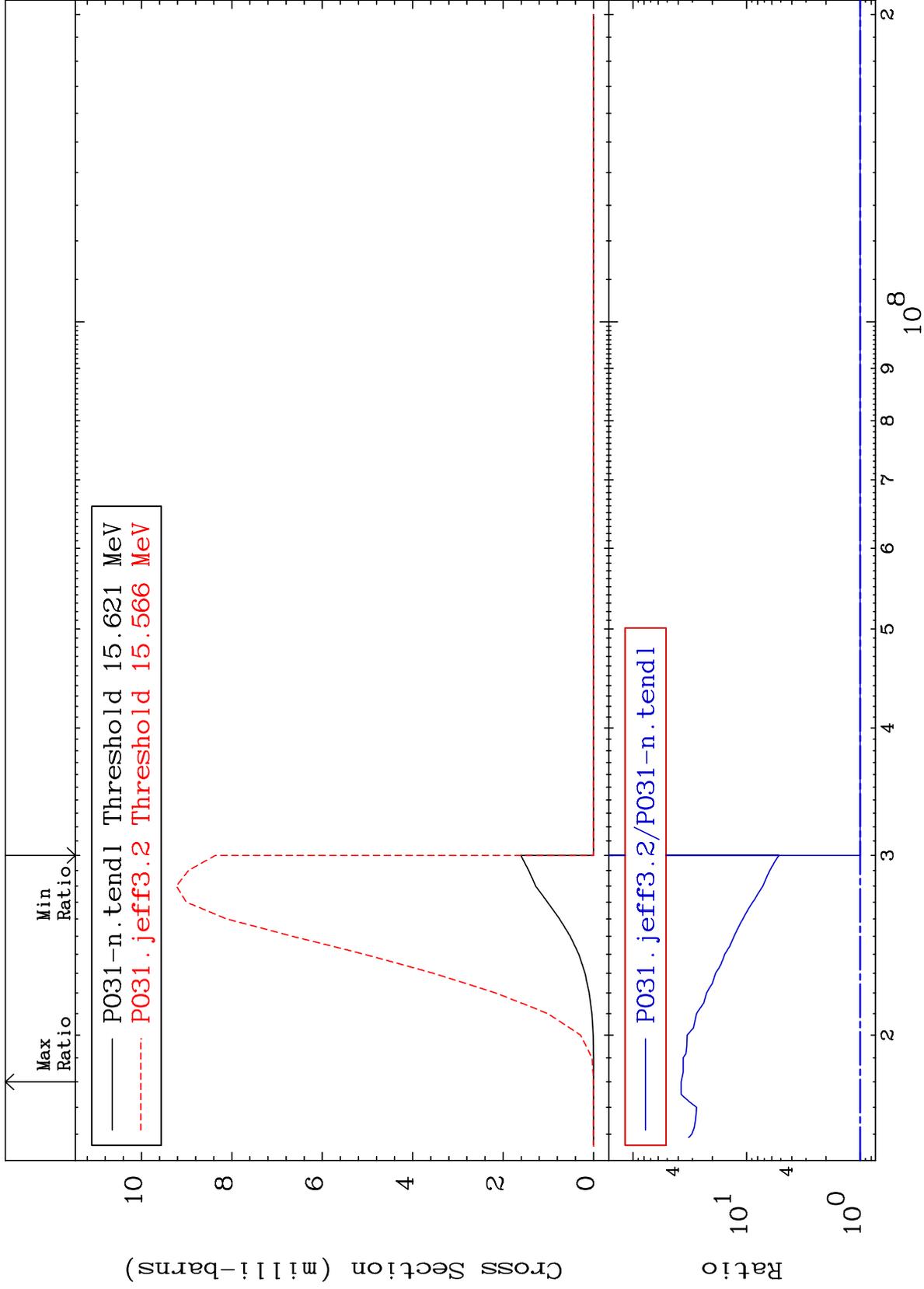
MAT 1525

(n,2p)

15-P -31

Cross Section

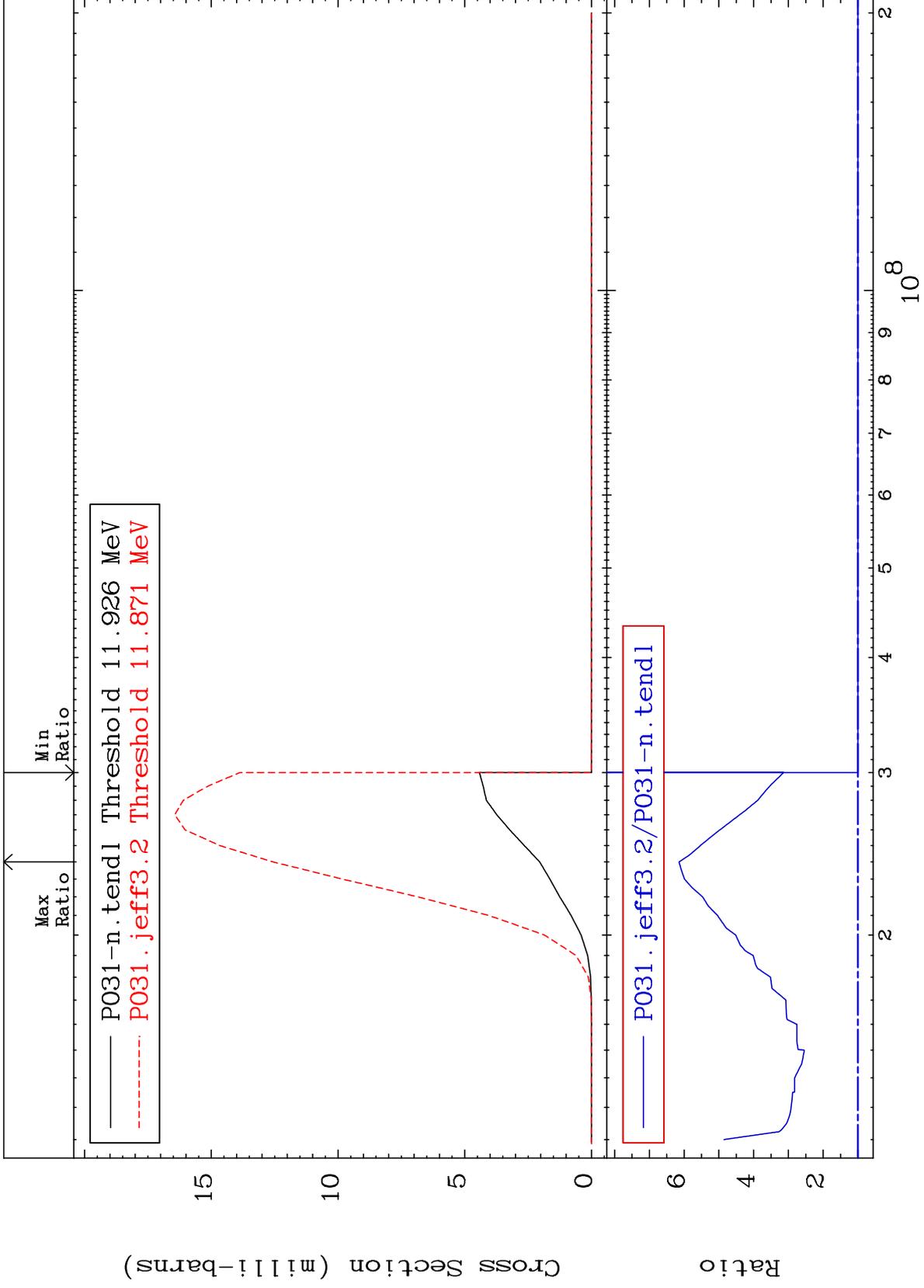
0.000 To 3671. %



MAT 1525

(n,p)  $\alpha$   
Cross Section

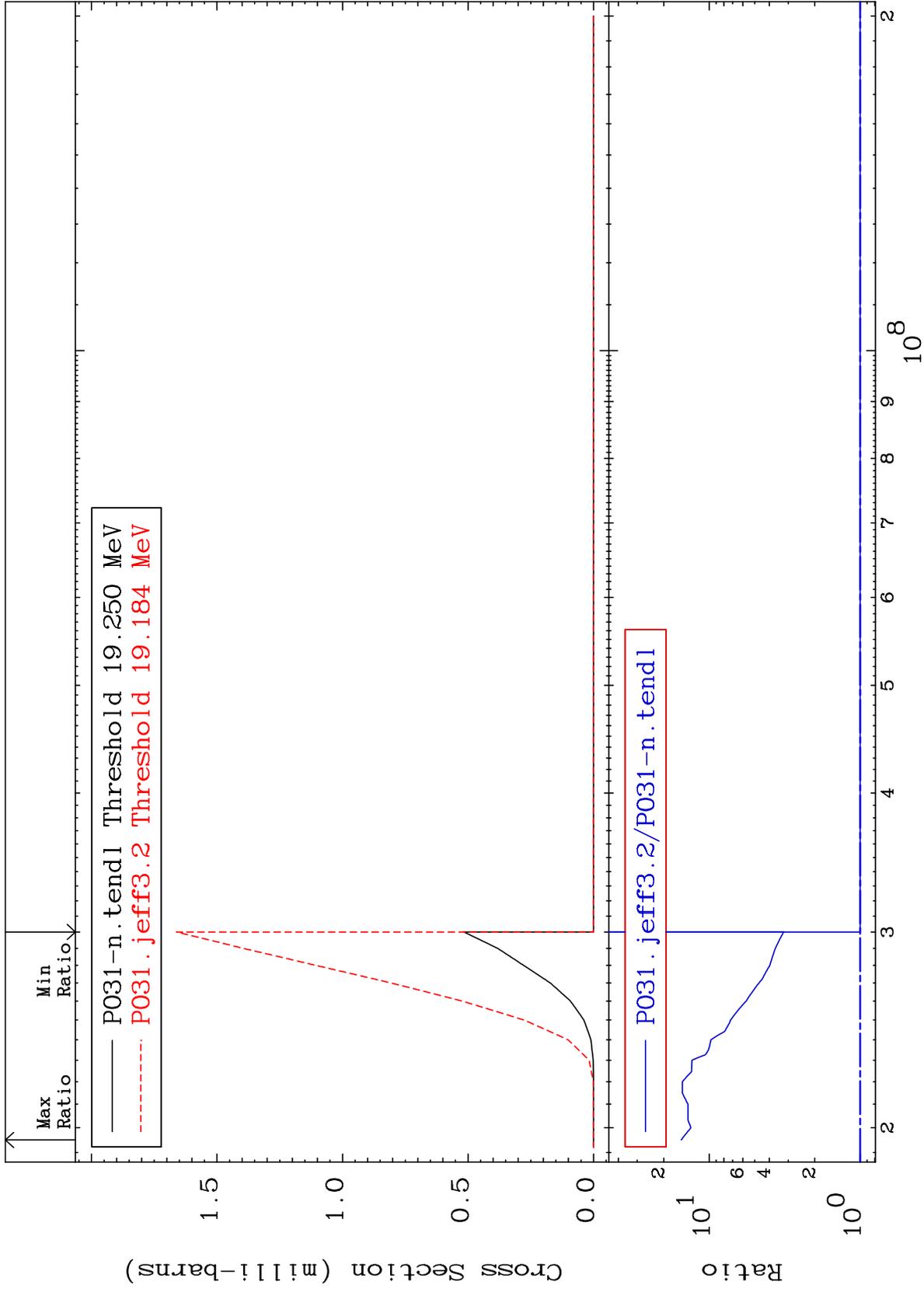
15-P -31  
0.000 To 514.6 %



57

Incident Energy (eV)

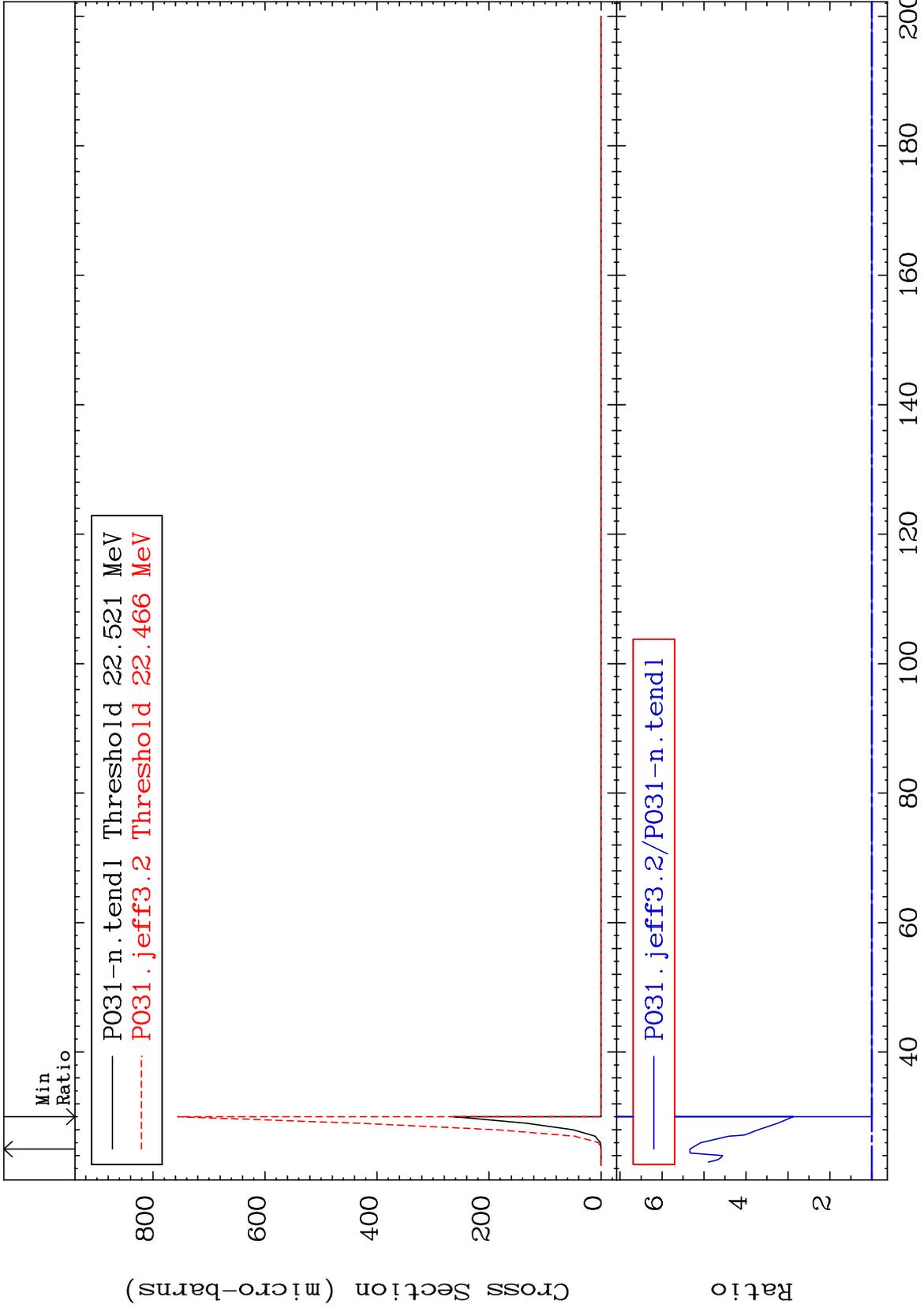
15-P -31



MAT 1525

(n,p) t  
Cross Section

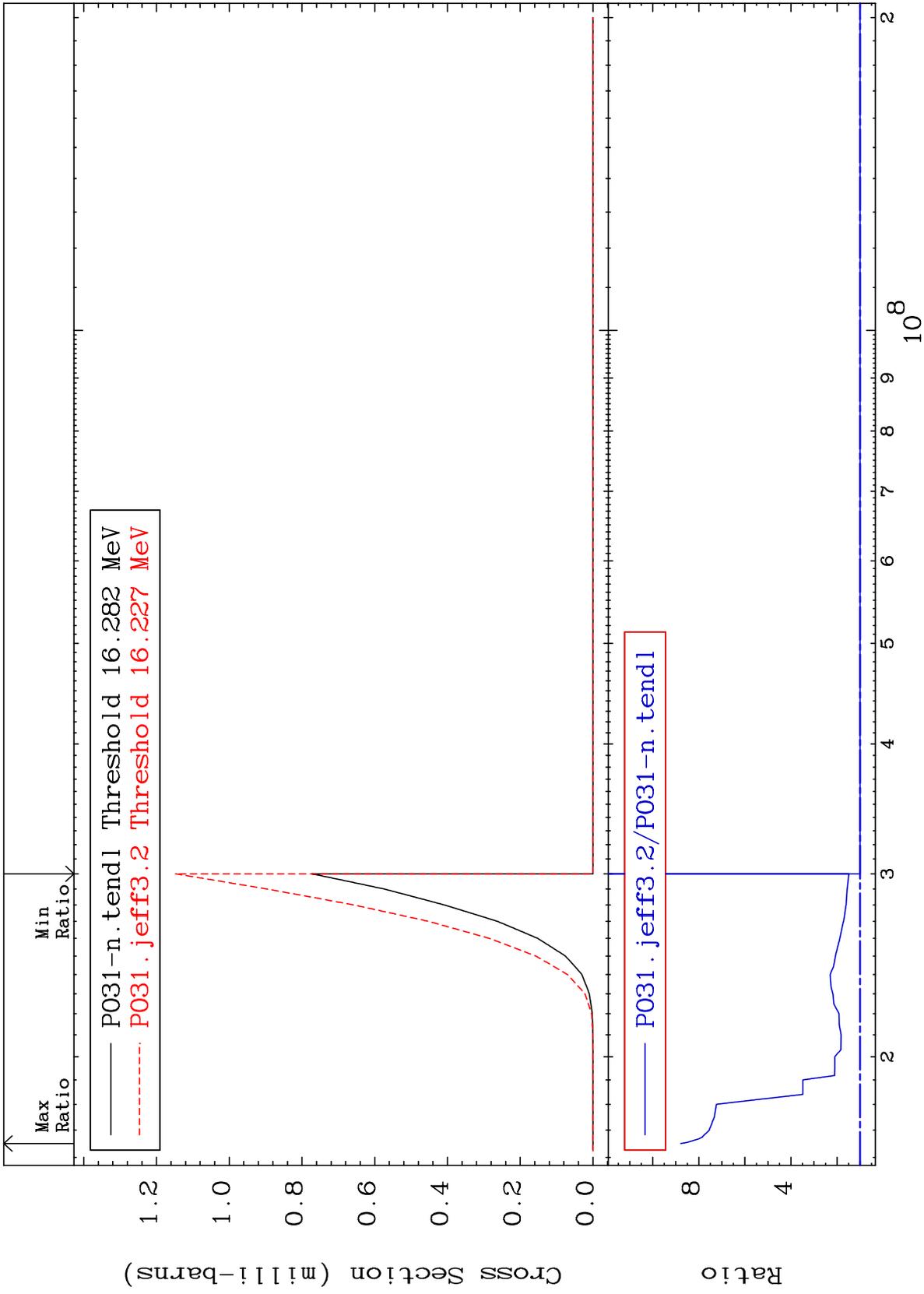
15-P -31  
0.000 To 433.2 %



MAT 1525

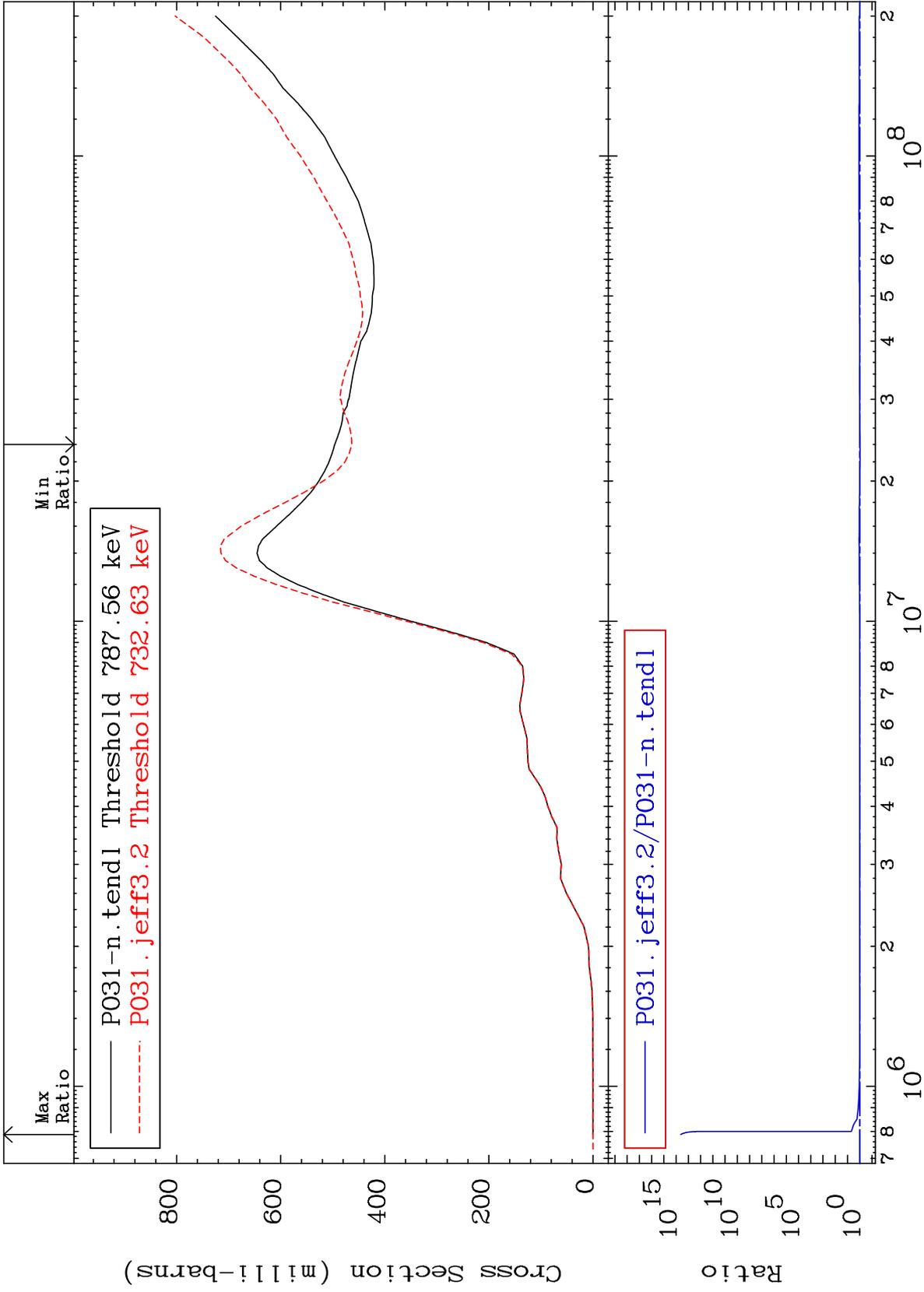
(n,d)  $\alpha$   
Cross Section

15-P -31  
0.000 To 778.4 %



60

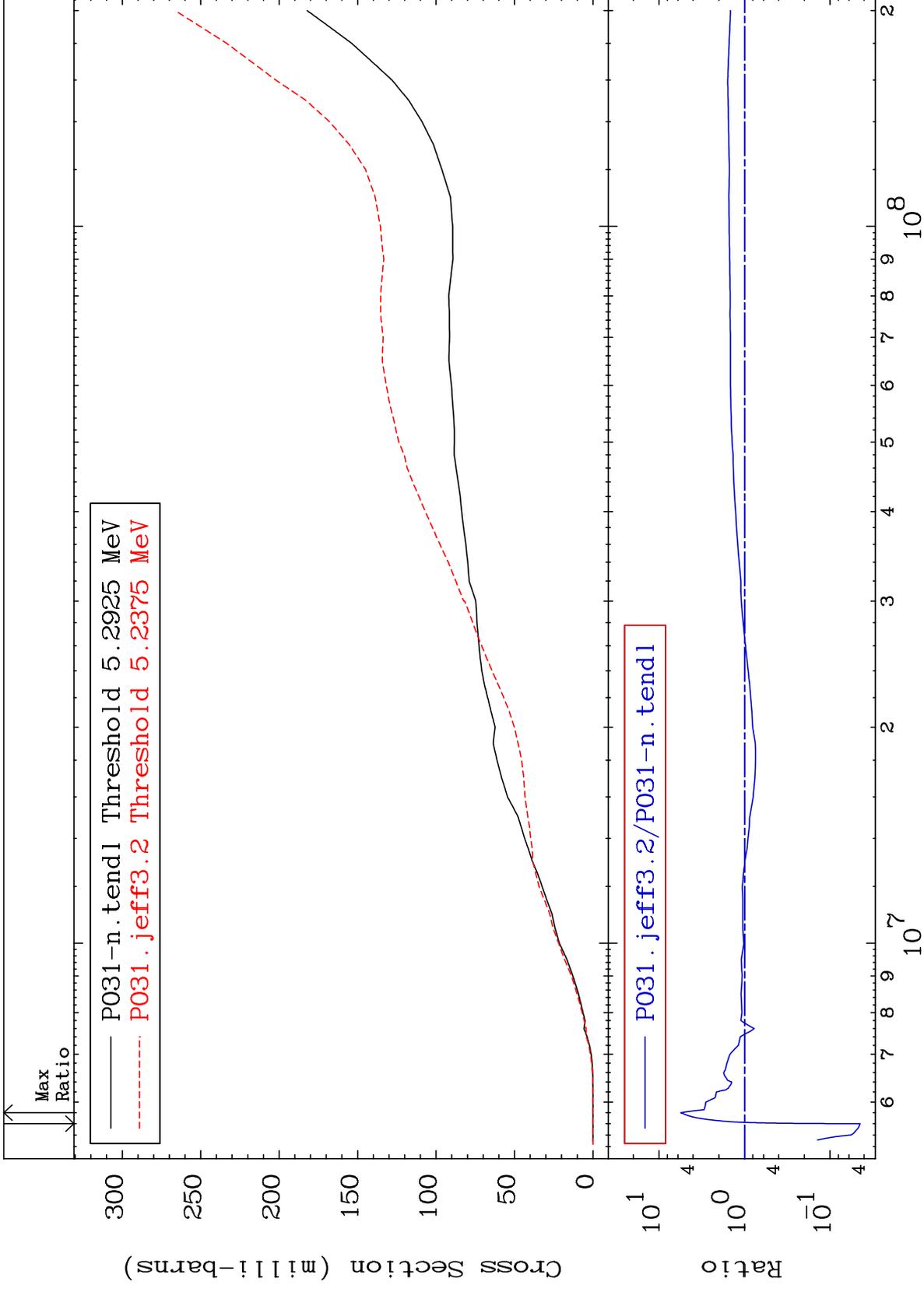
15-P -31



MAT 1525

Deuterium Production  
Cross Section

15-P -31  
-95.55 To 457.9 %



62

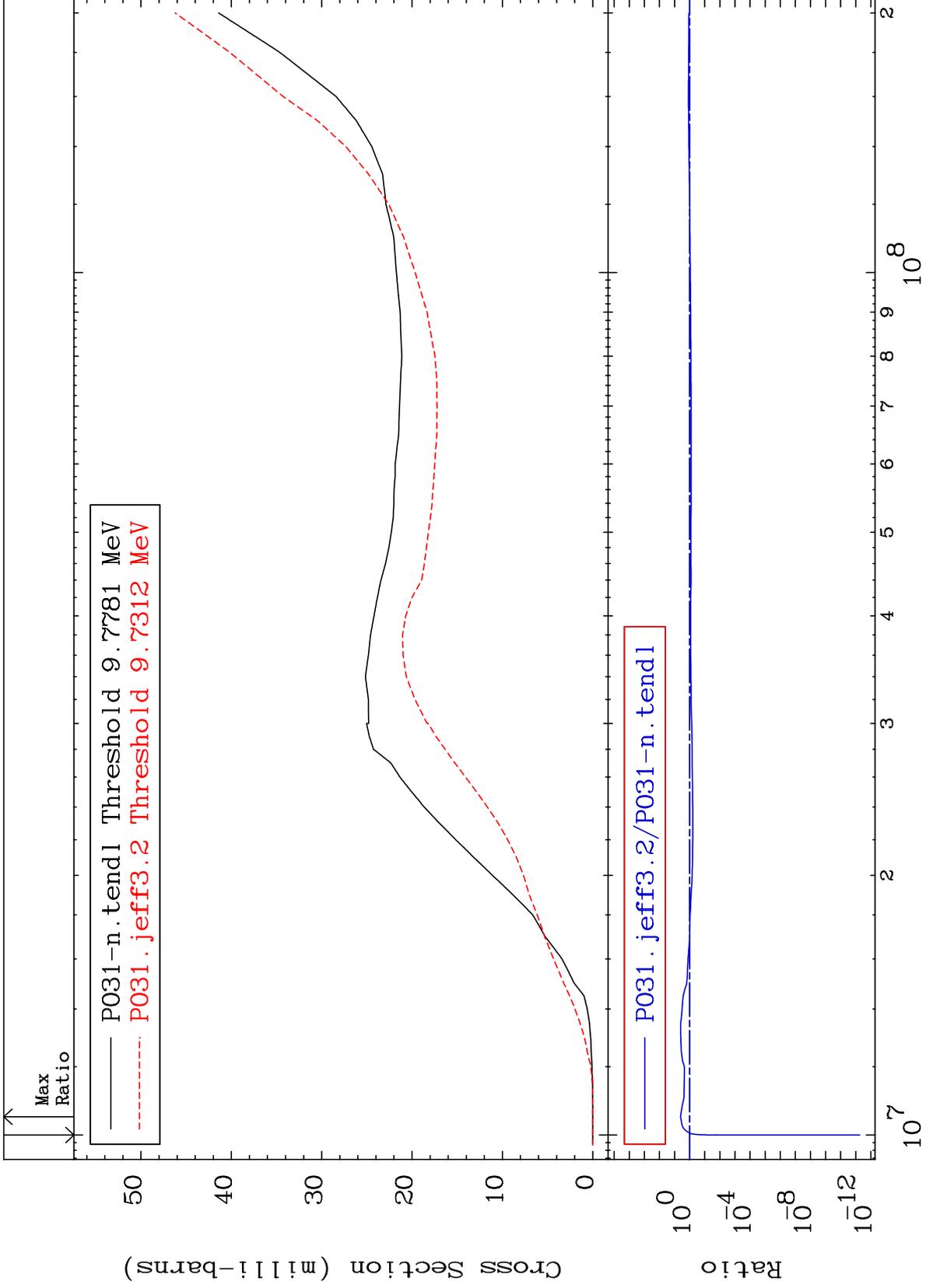
Incident Energy (eV)

15-P -31

MAT 1525

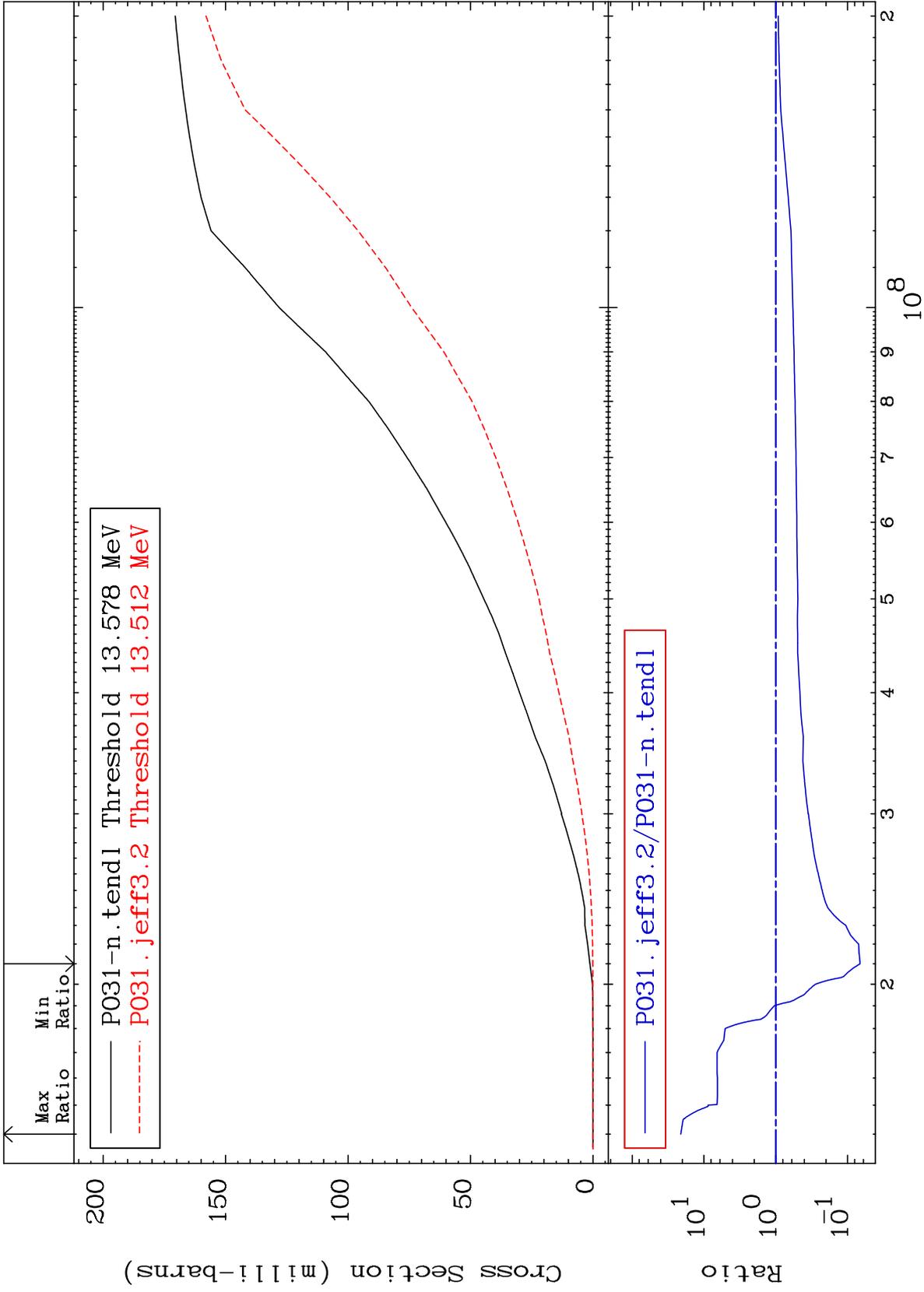
Tritium Production  
Cross Section

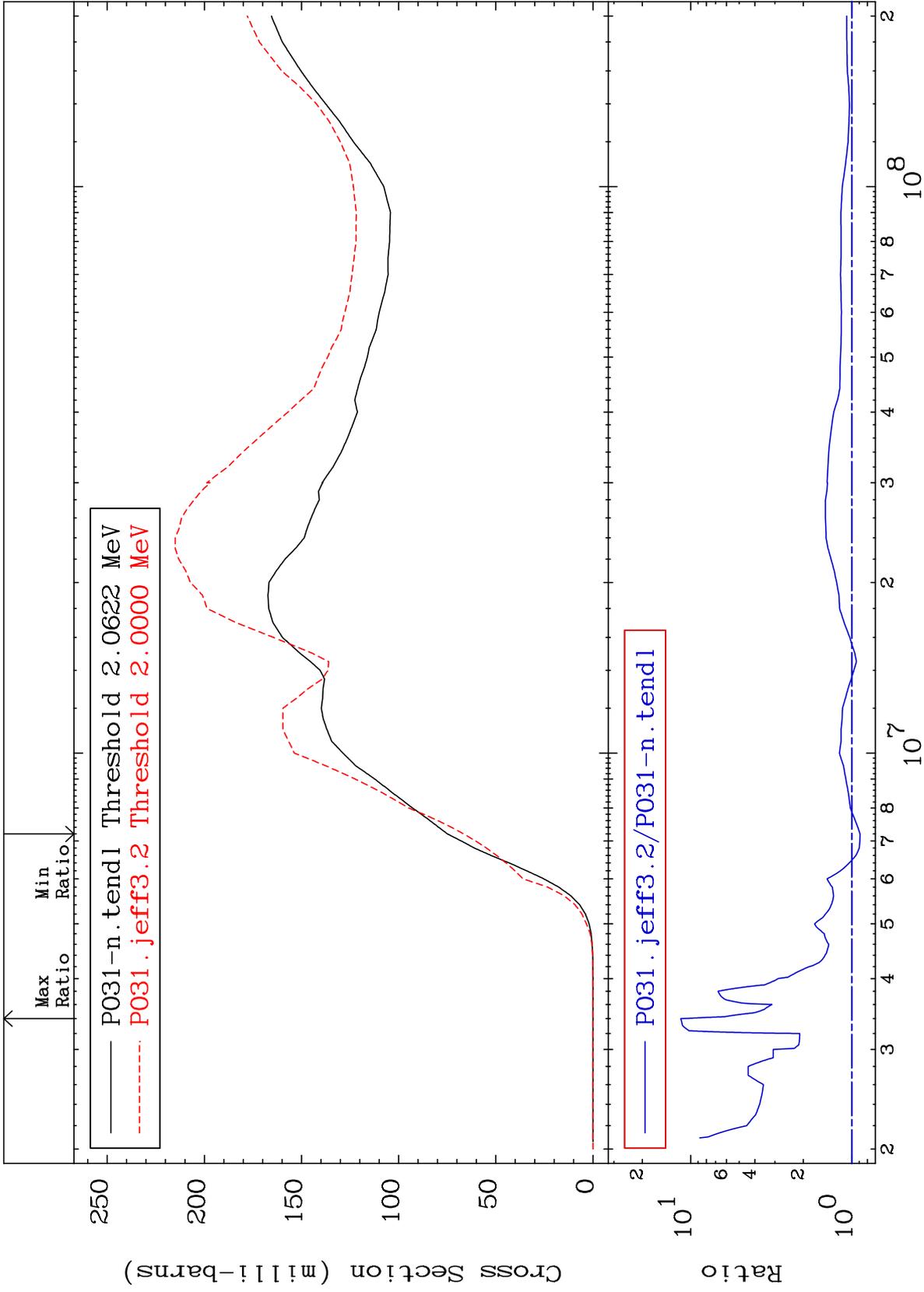
15-P -31  
-100.0 To 302.5 %

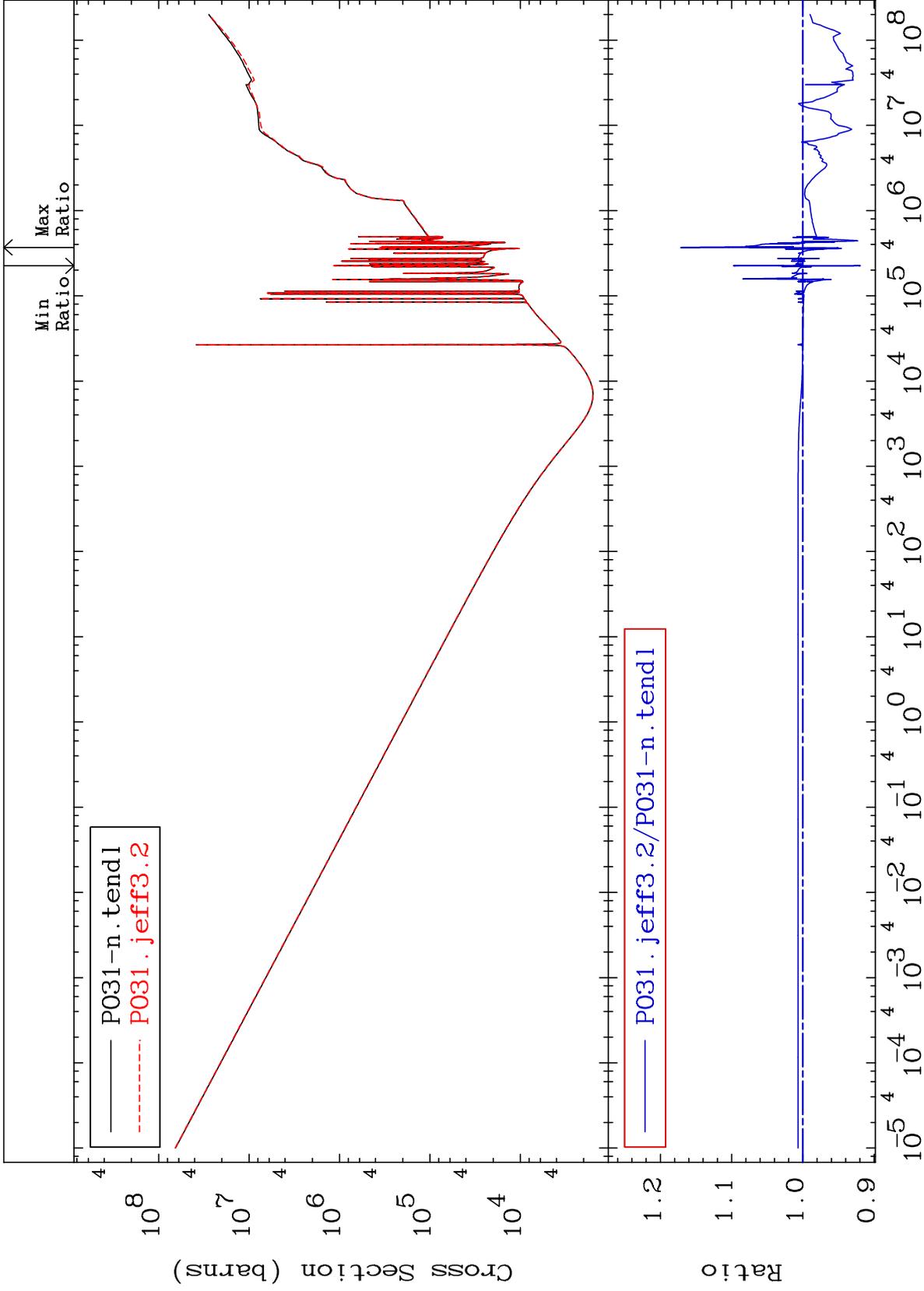


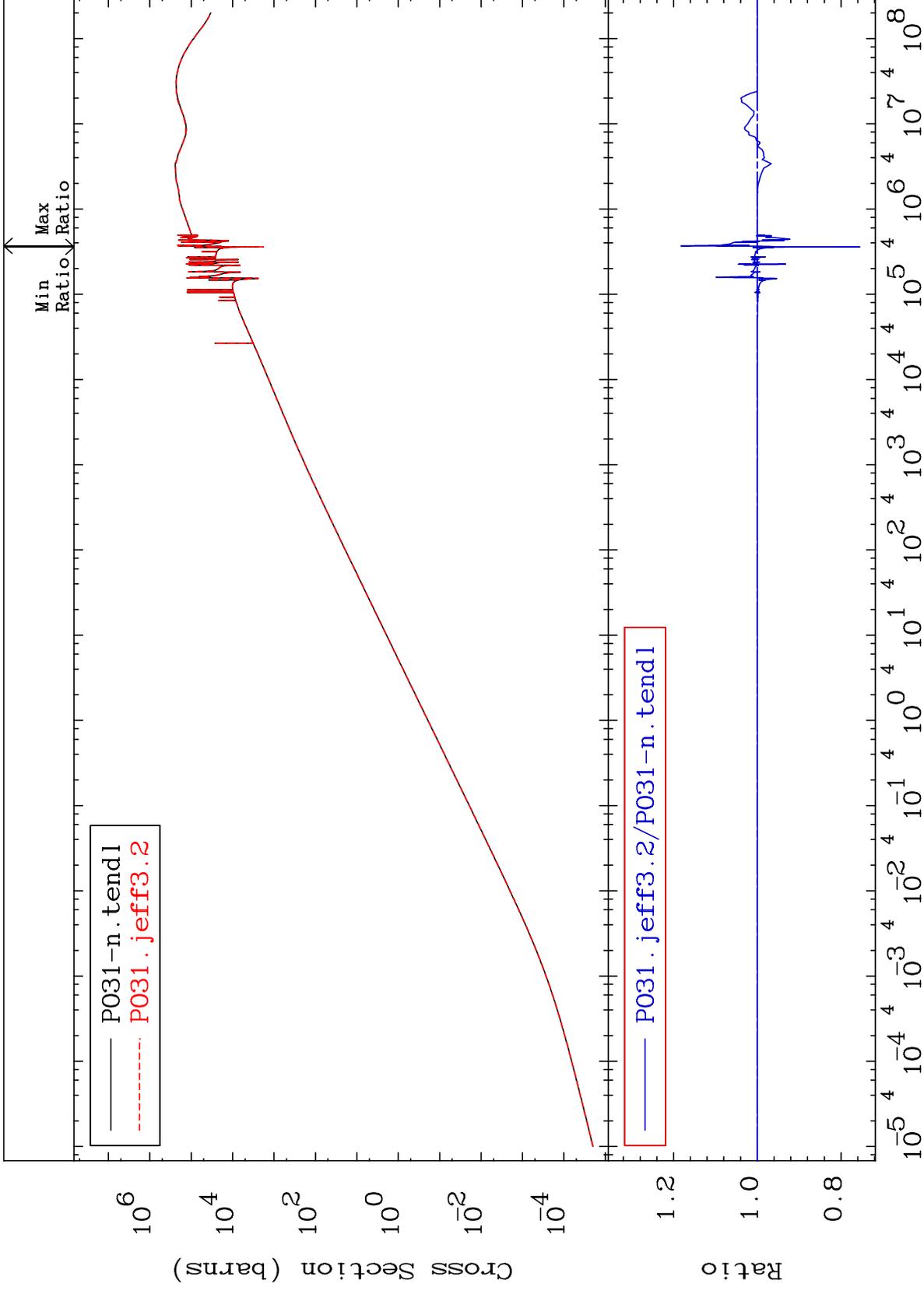
63

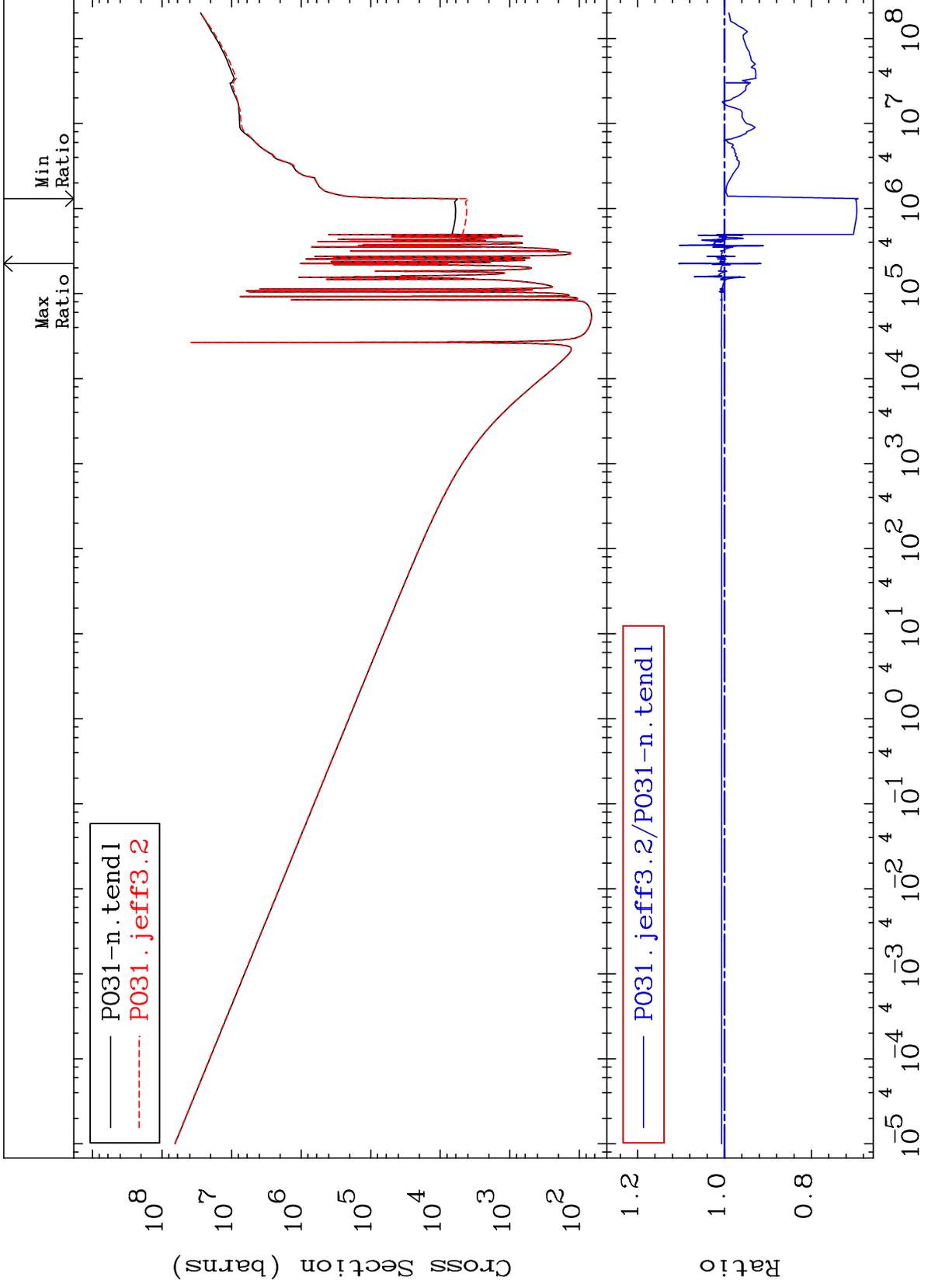
15-P -31

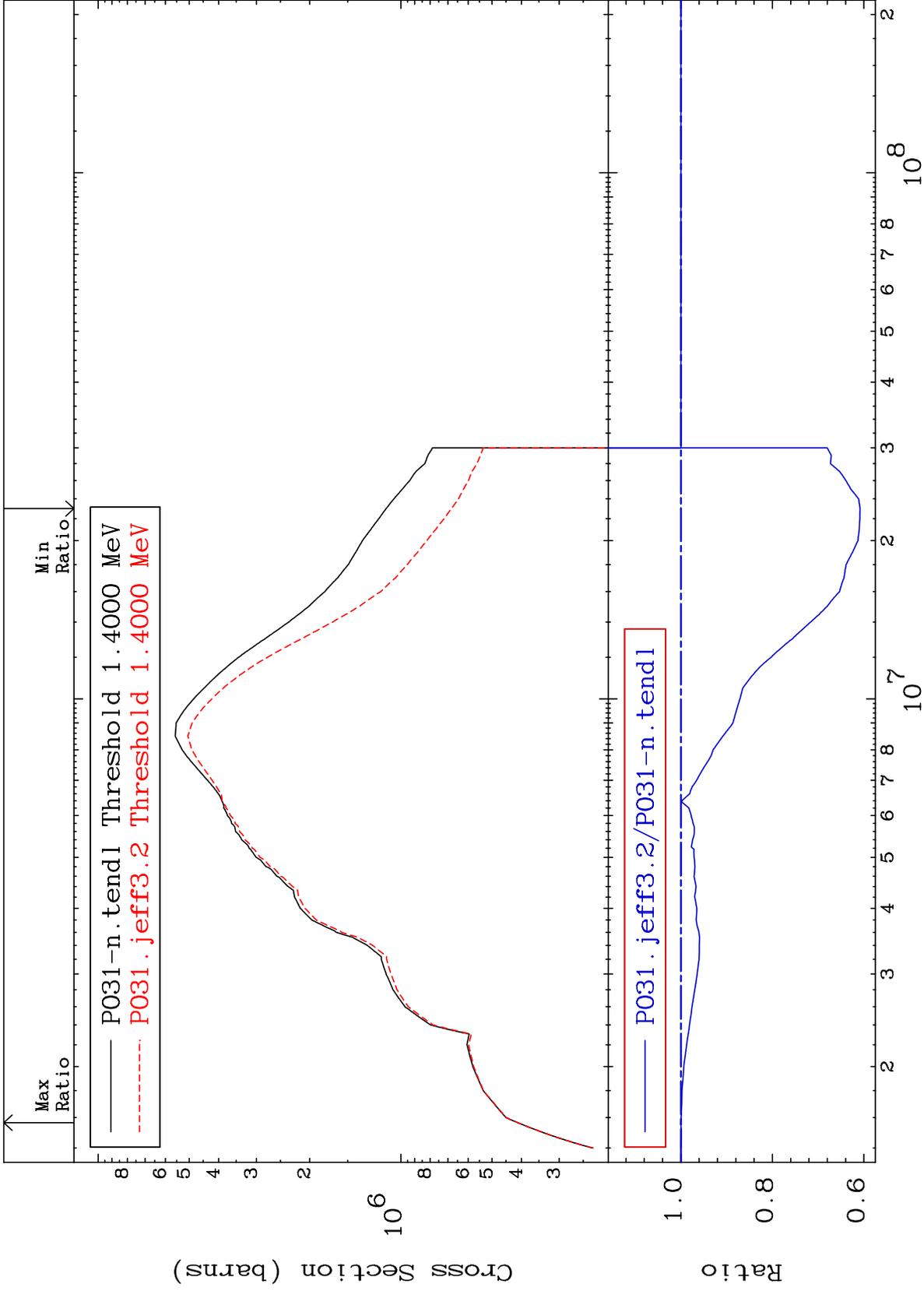


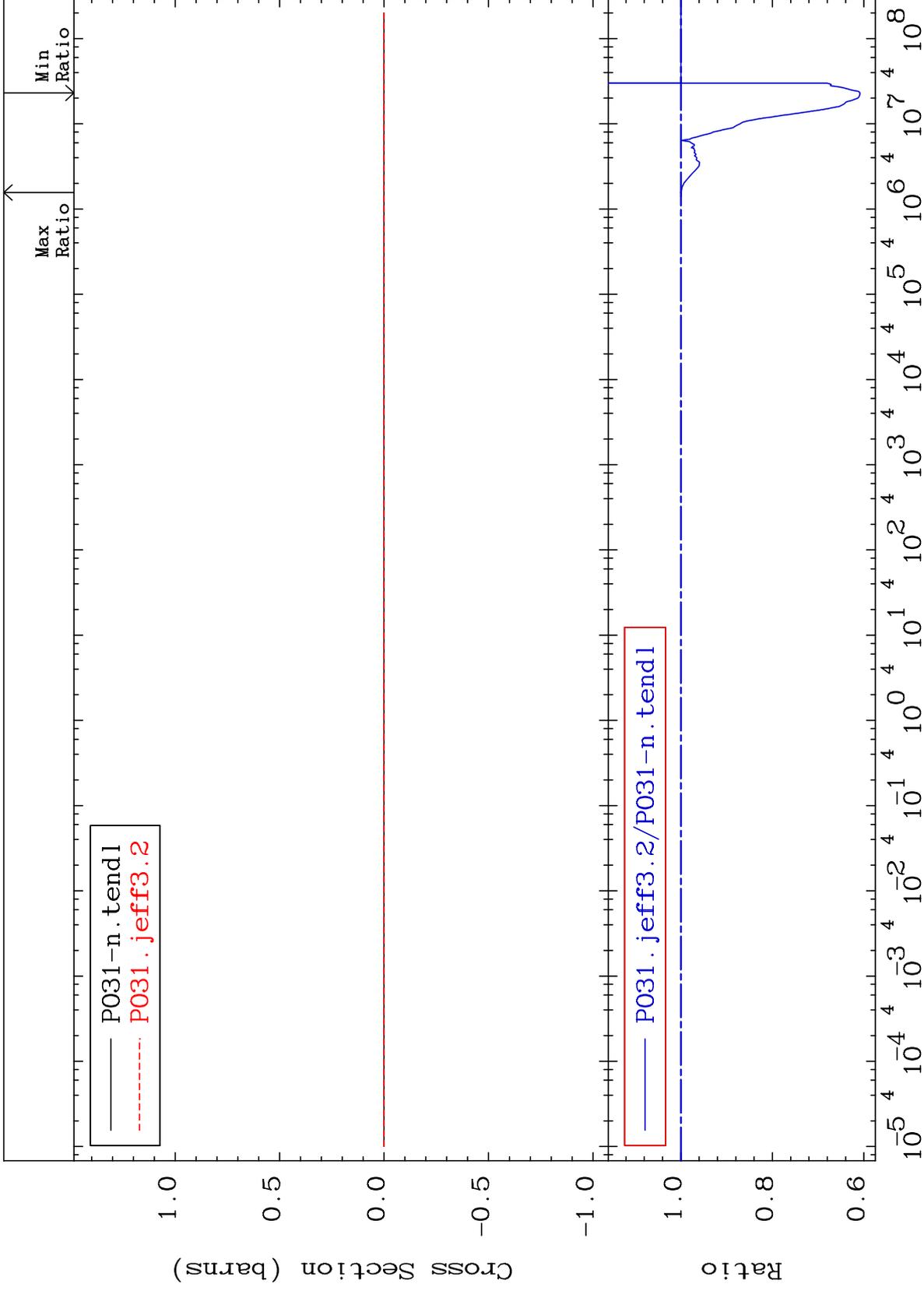


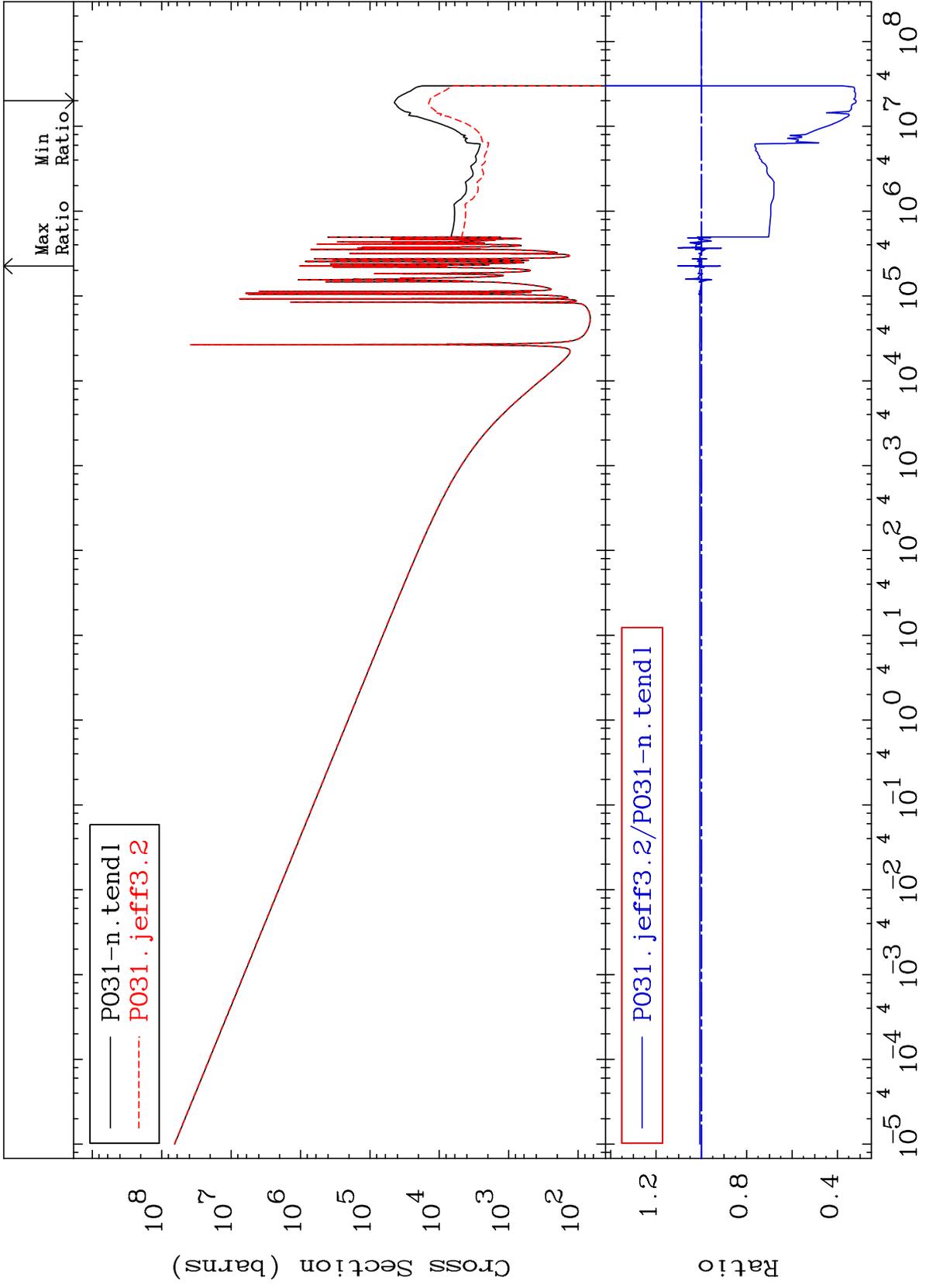


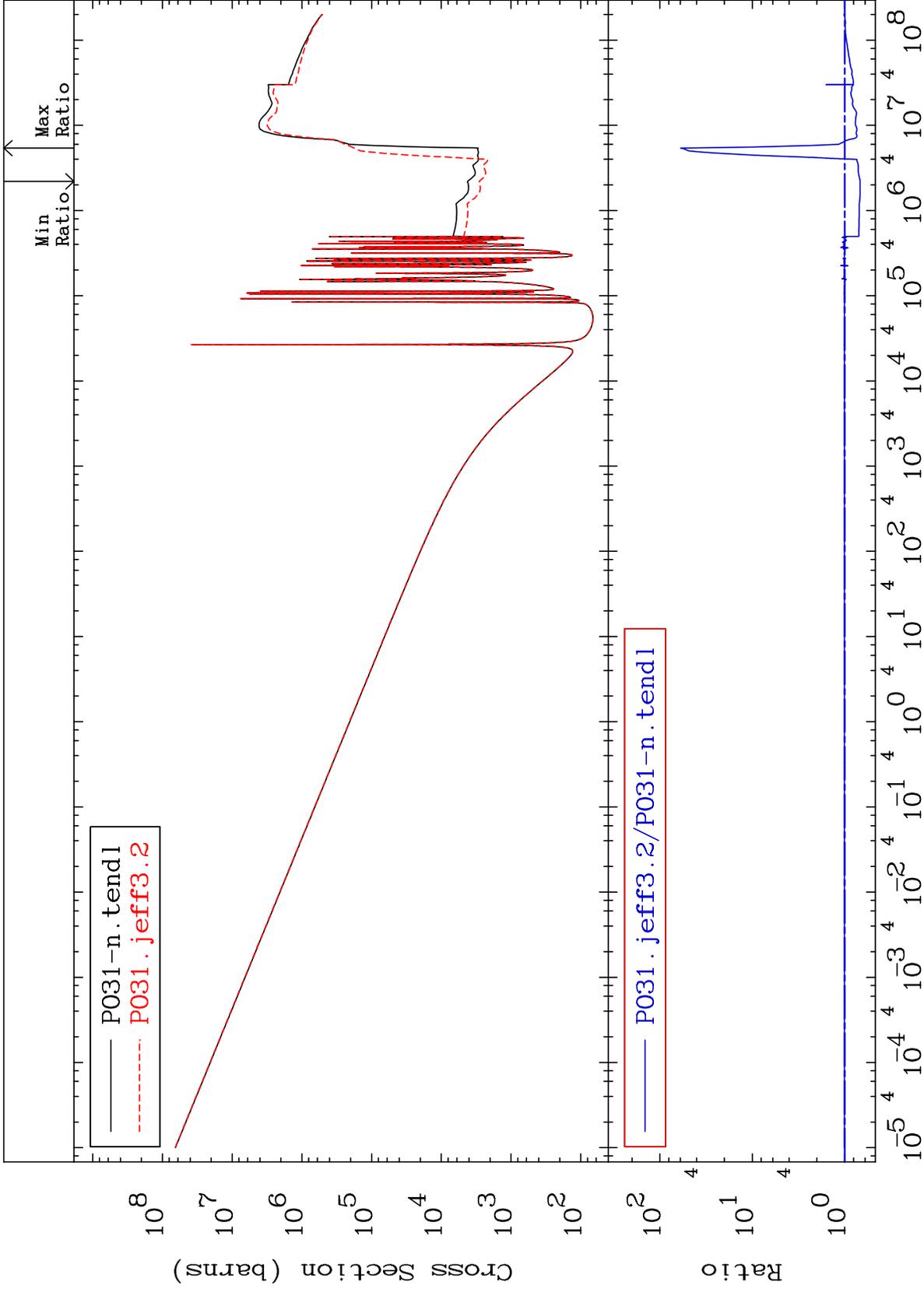


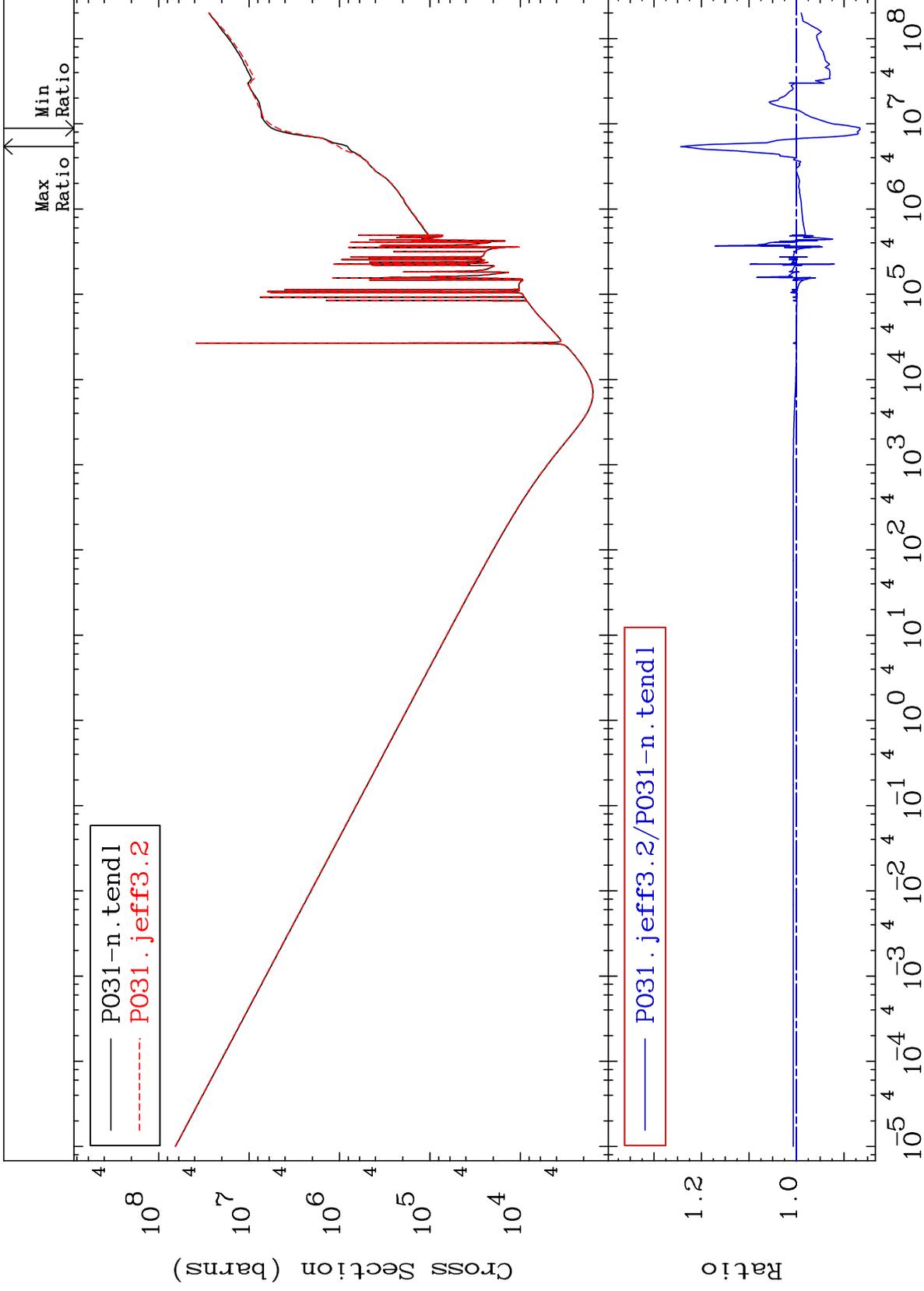


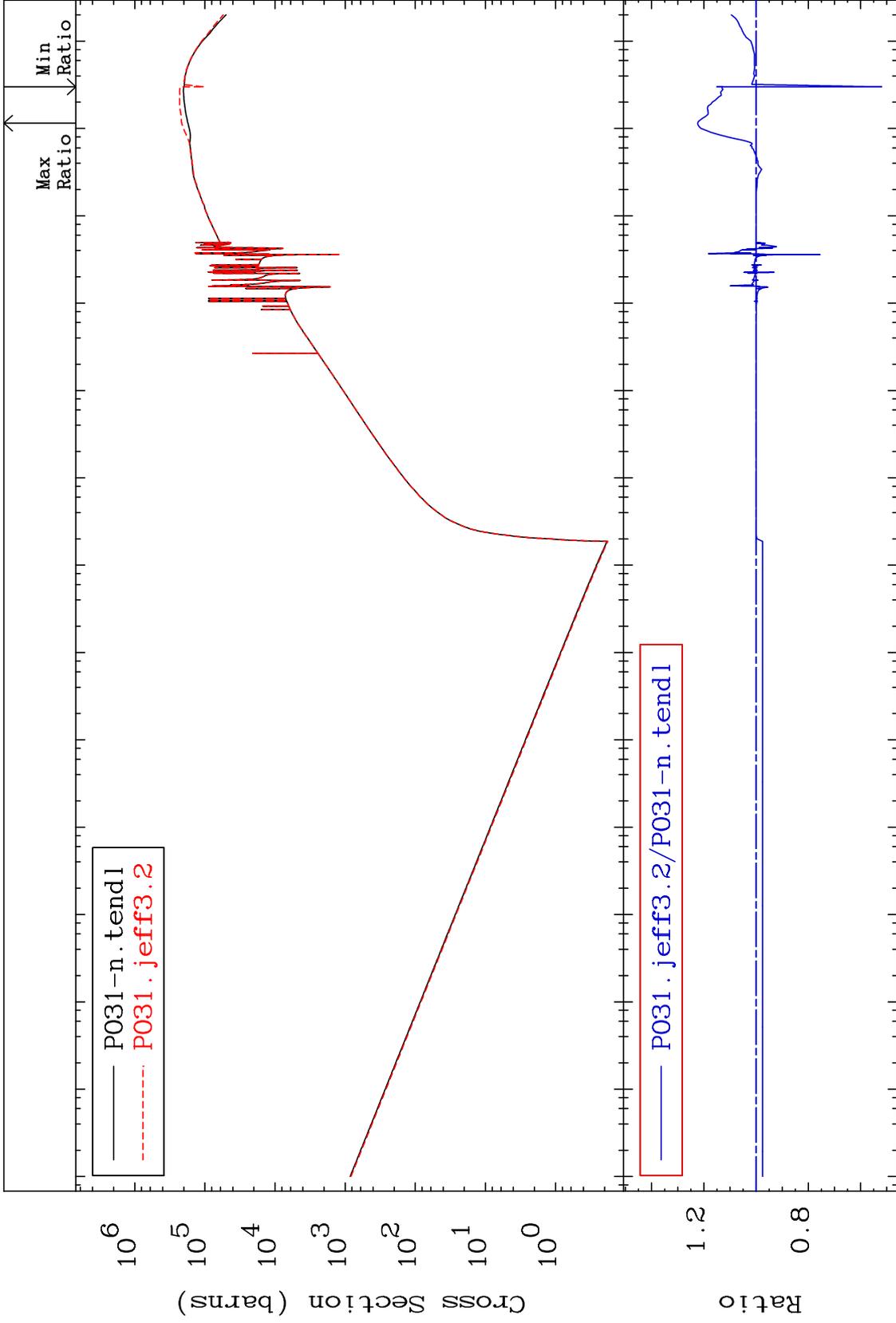


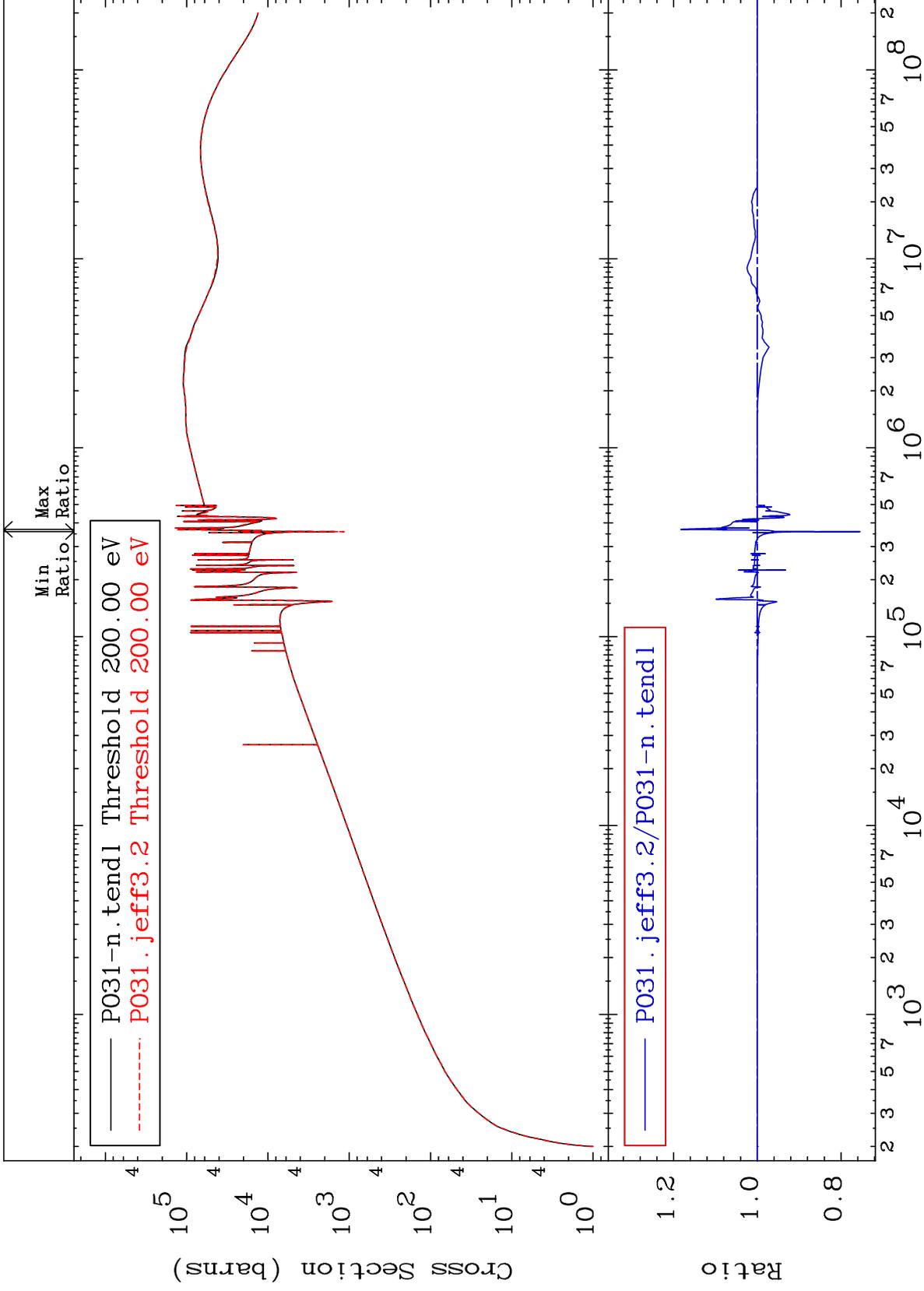


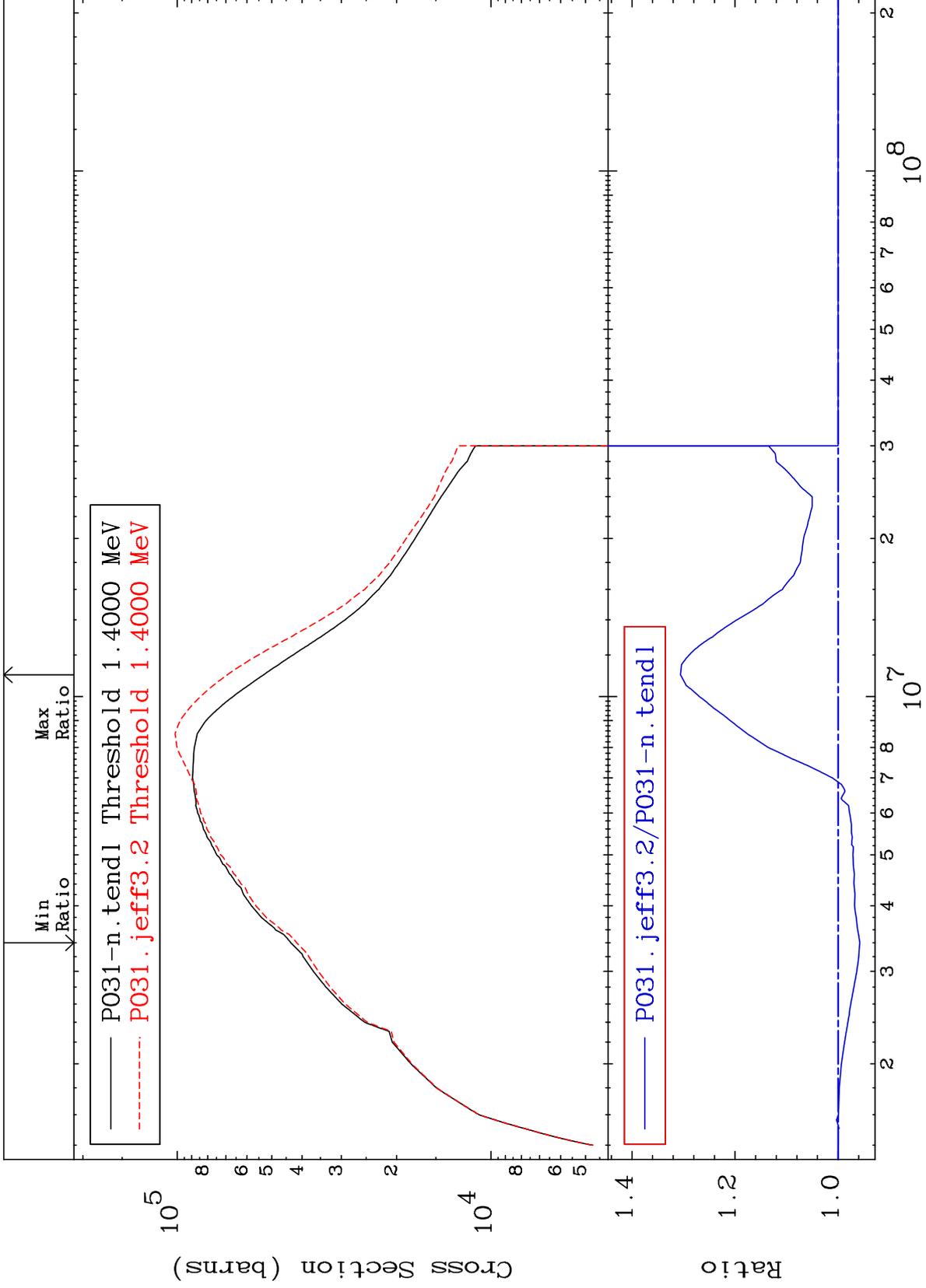


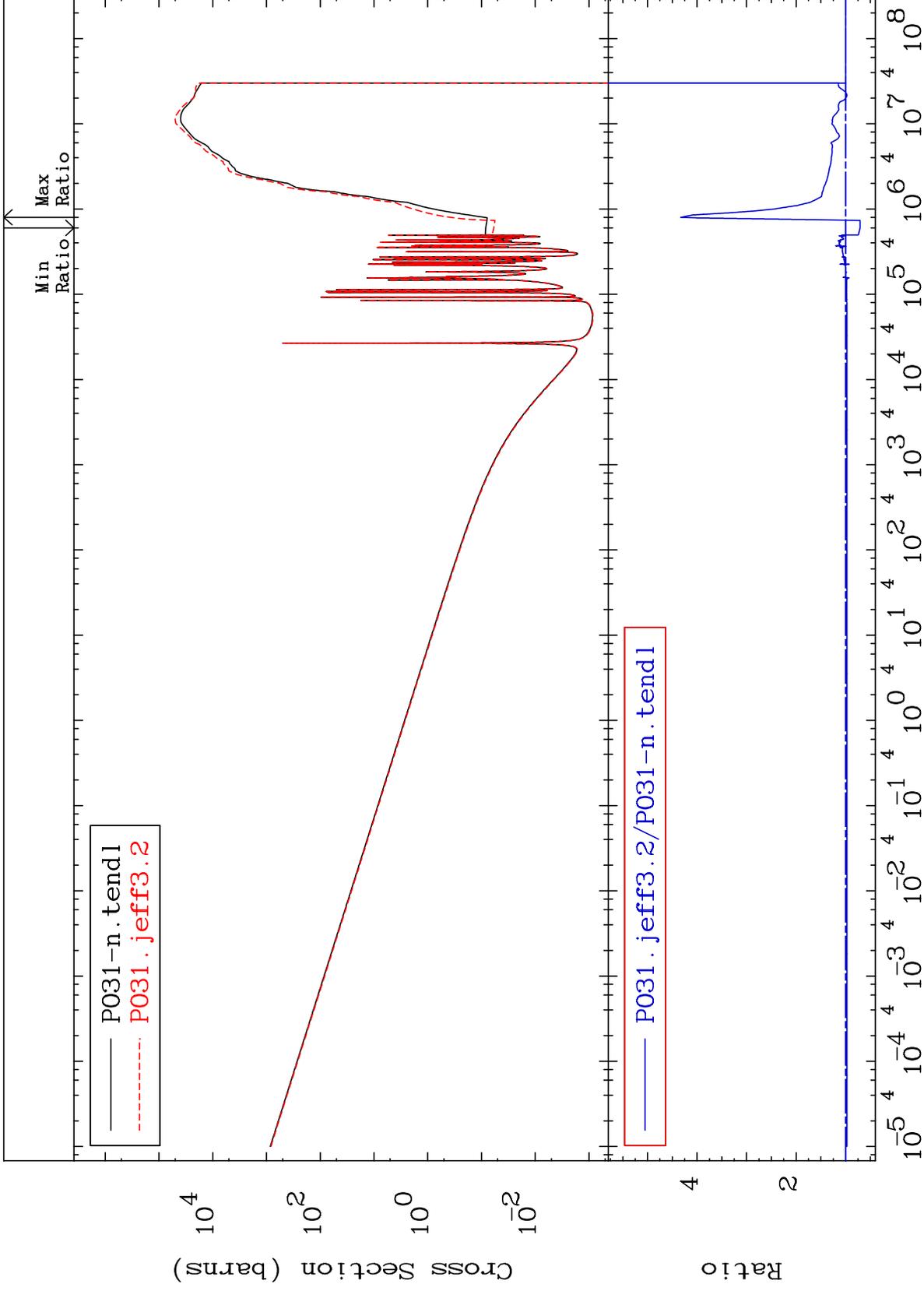


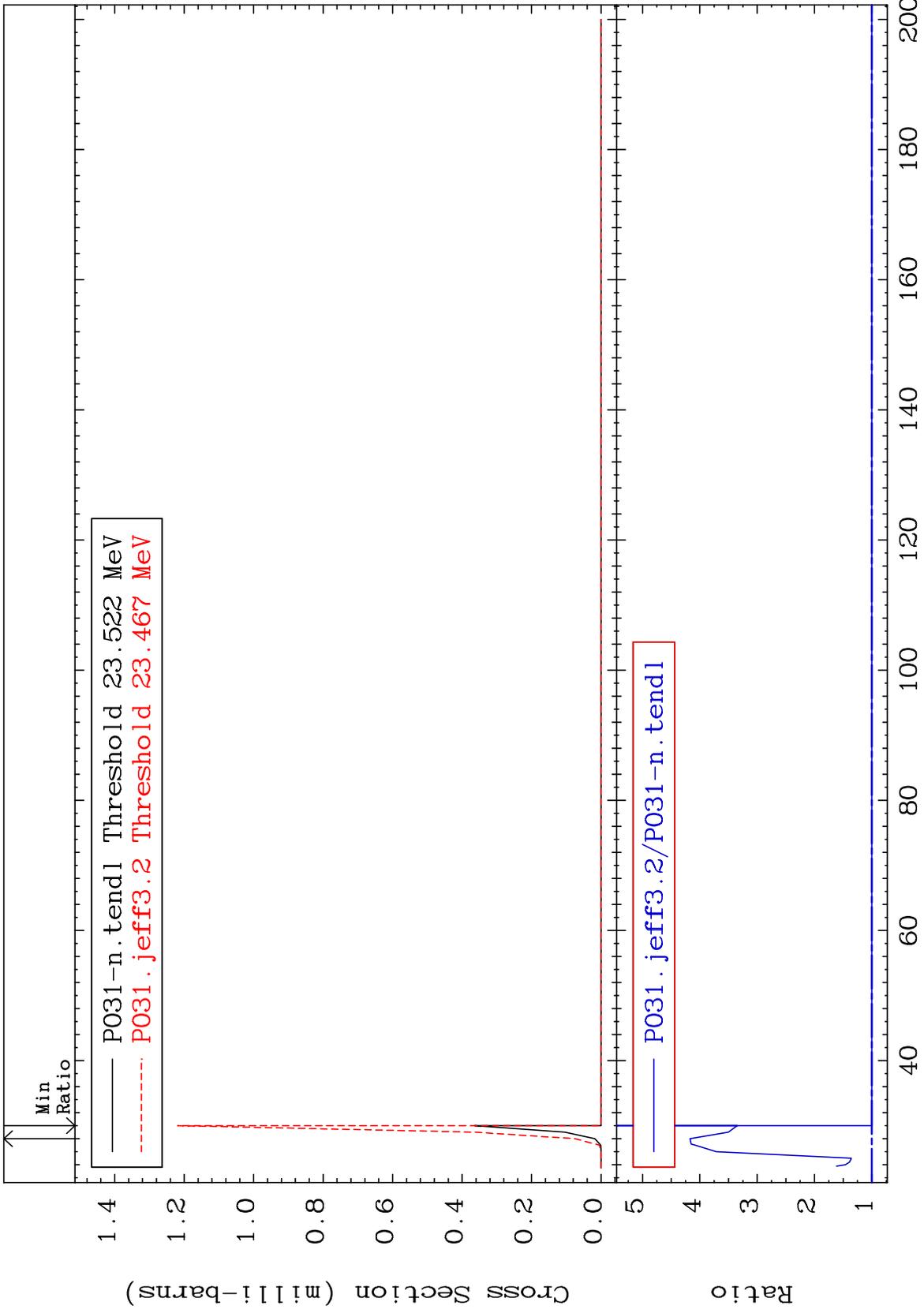












Radionuclide Production Cross Section 0.000 To 271.5 %

