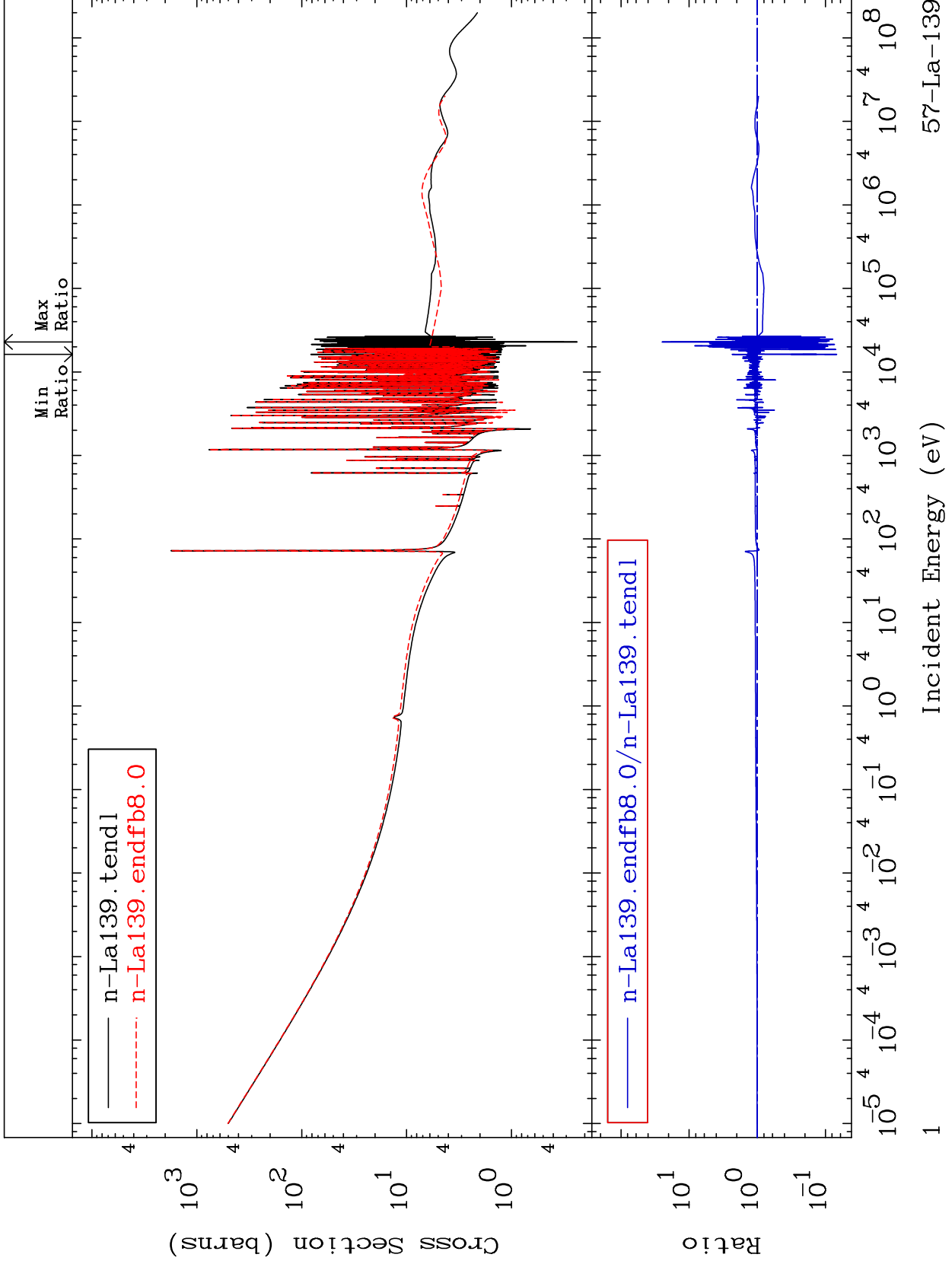


MAT 5728

Total  
Cross Section

57-La-139  
-93.15 To 2375. %



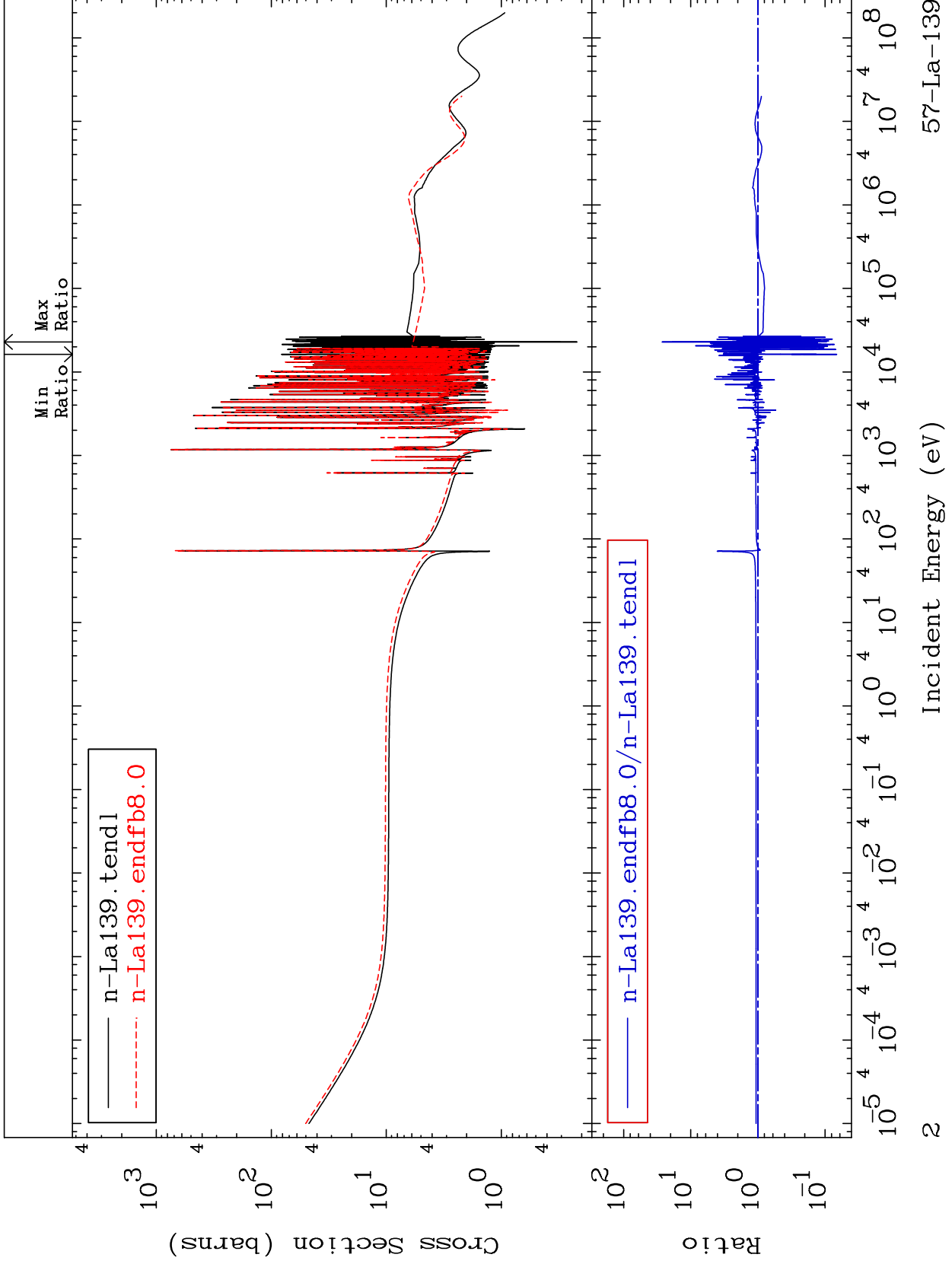
Incident Energy (eV)

57-La-139

MAT 5728

Elastic  
Cross Section

57-La-139  
-93.28 To 2555. %



57-La-139

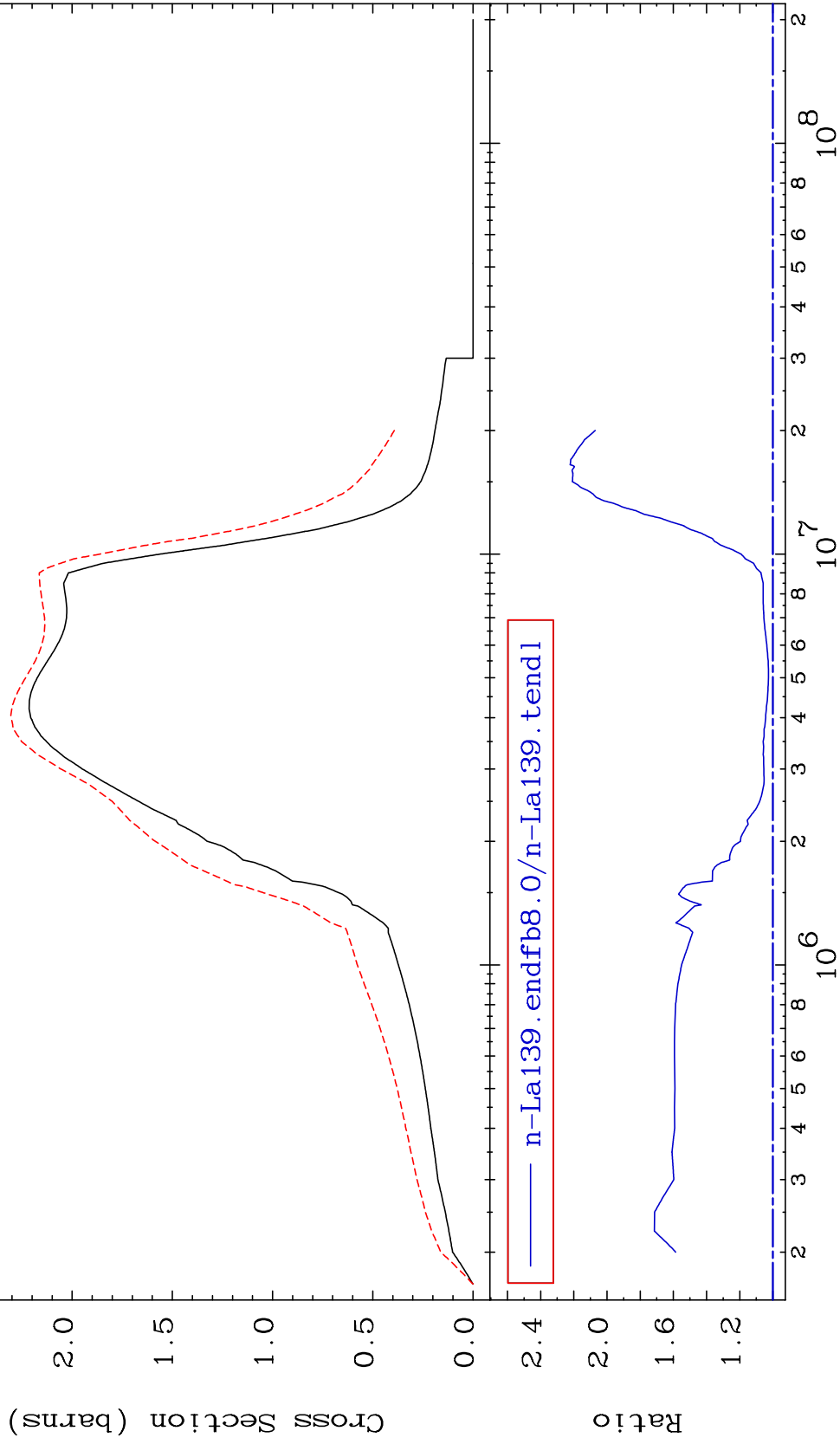
Incident Energy (eV)

2

MAT 5728

Inelastic Cross Section 57-La-139 To 122.2 % 2.676

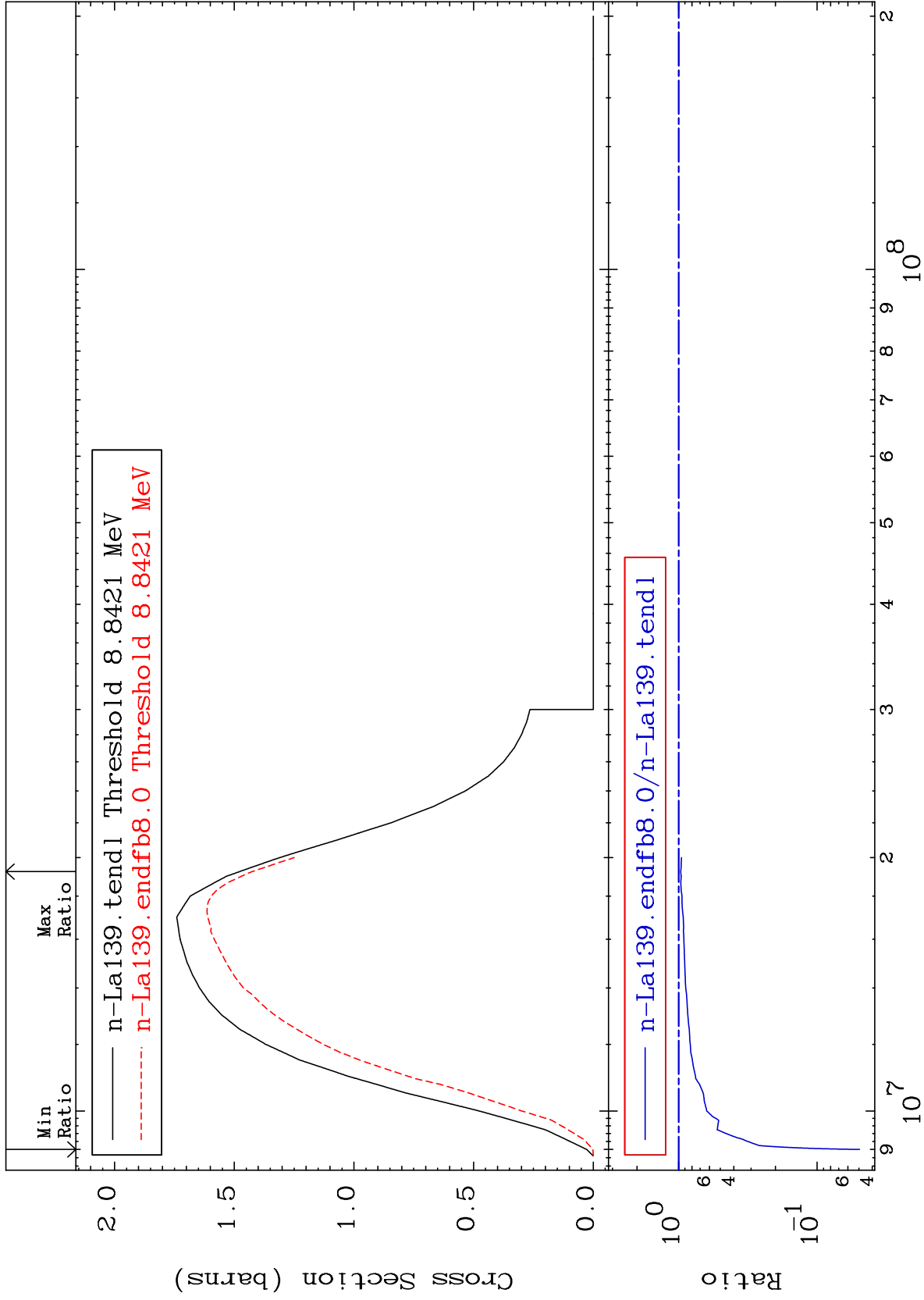
— n-La139.tendl Threshold 167.06 keV  
- - - n-La139.endfb8.0 Threshold 167.10 keV



MAT 5728

(n,2n)  
Cross Section

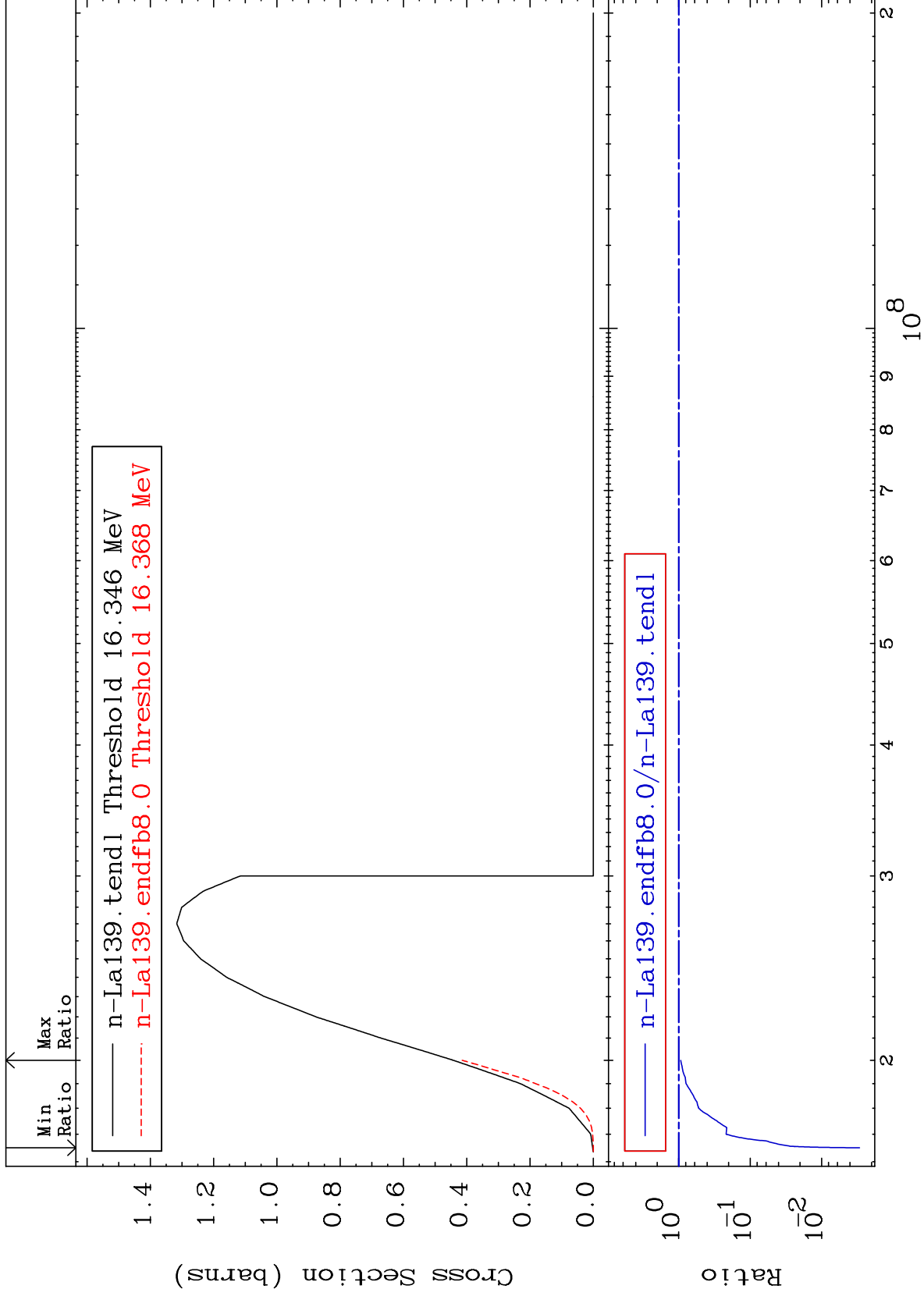
57-La-139  
-95.06 To -3.497%



4

Incident Energy (eV)

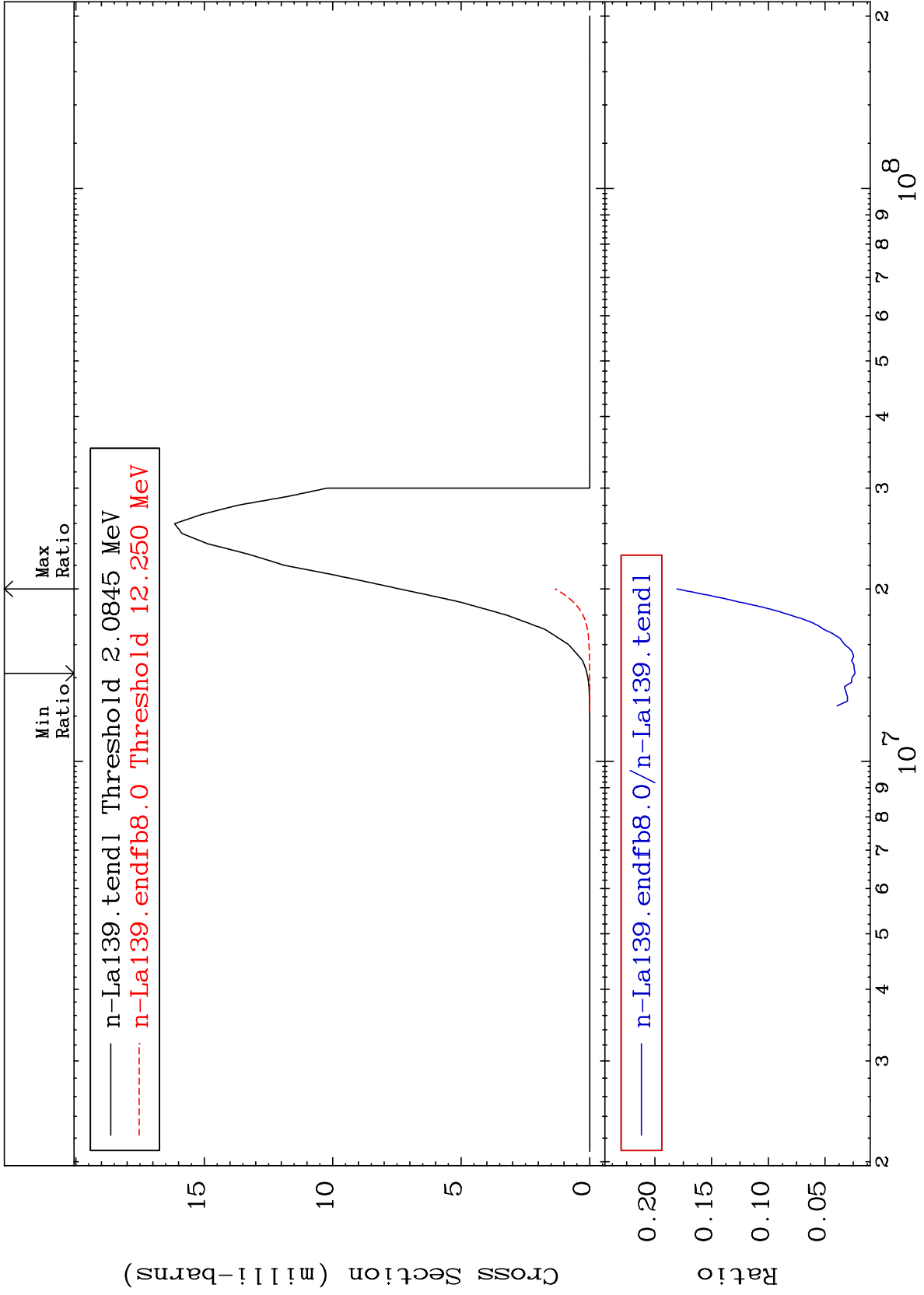
57-La-139



MAT 5728

57-La-139  
-97.66 To -81.94%

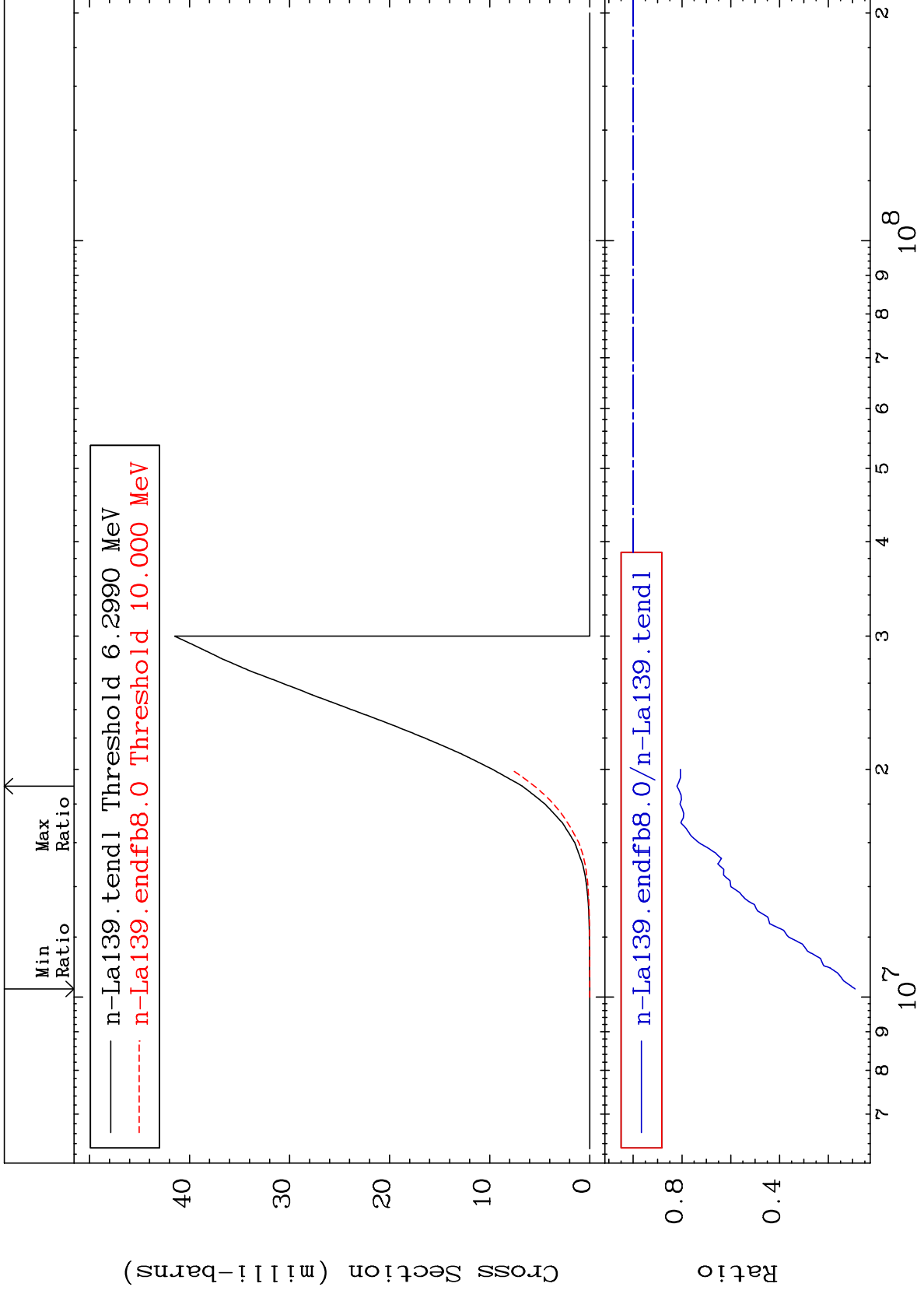
(n, n')  $\alpha$   
Cross Section



MAT 5728

(n,n') p  
Cross Section

57-La-139  
-90.99 To -17.93%



7

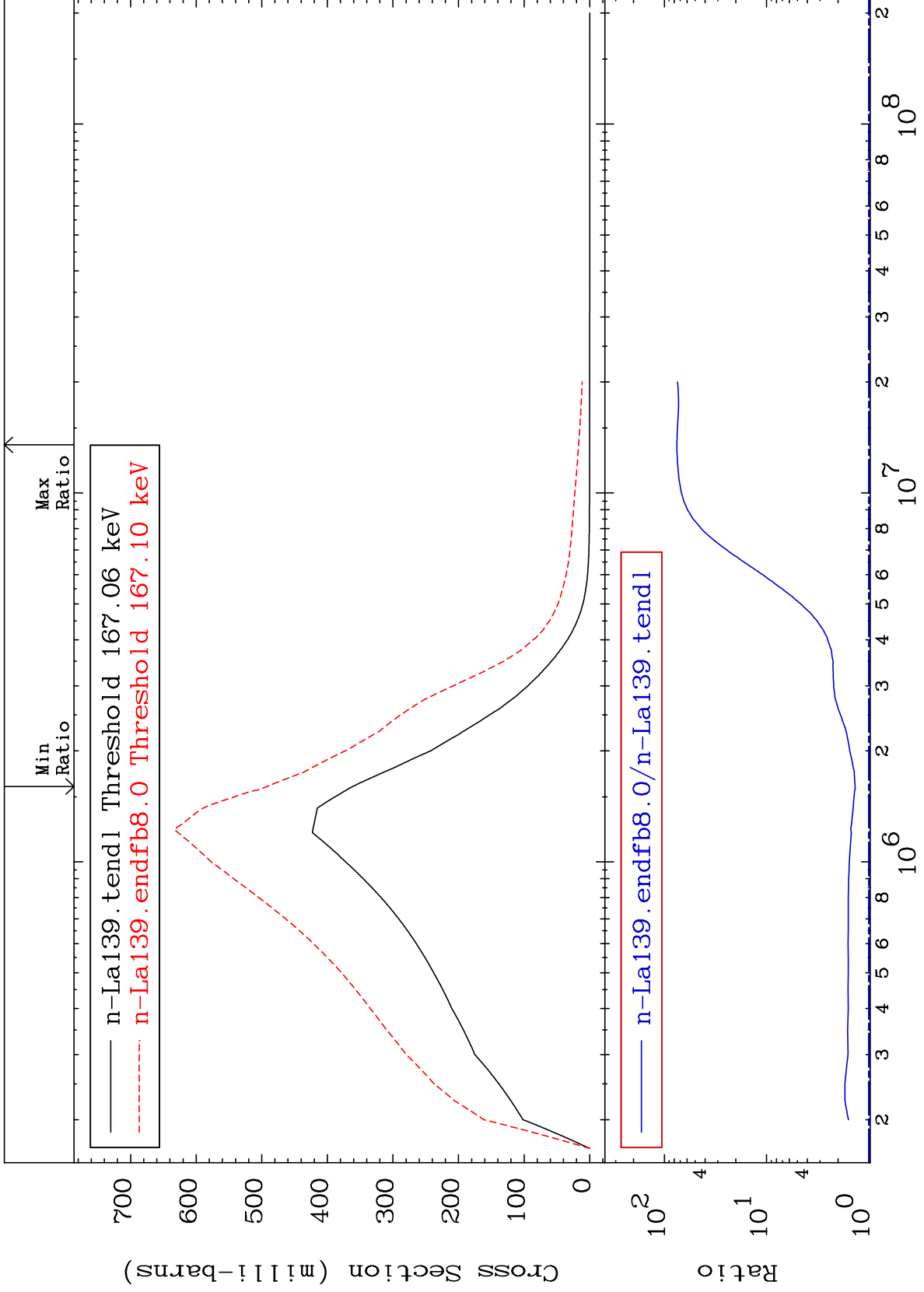
Incident Energy (eV)

57-La-139

MAT 5728

MT= 51 (n,n') Level  
Cross Section

57-La-139  
36.25 To 7435. %

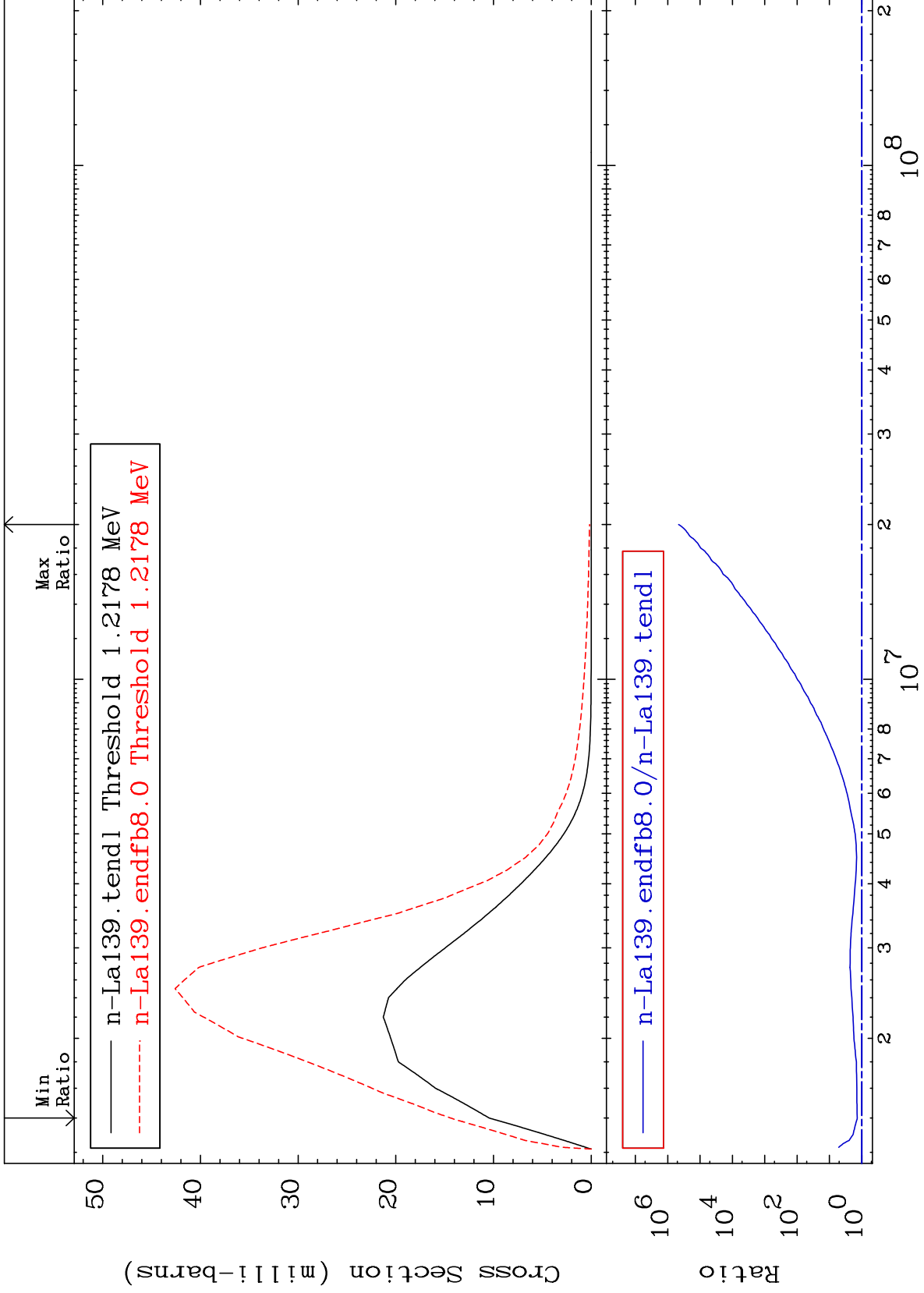




MAT 5728

MT= 52 (n,n') Level  
Cross Section

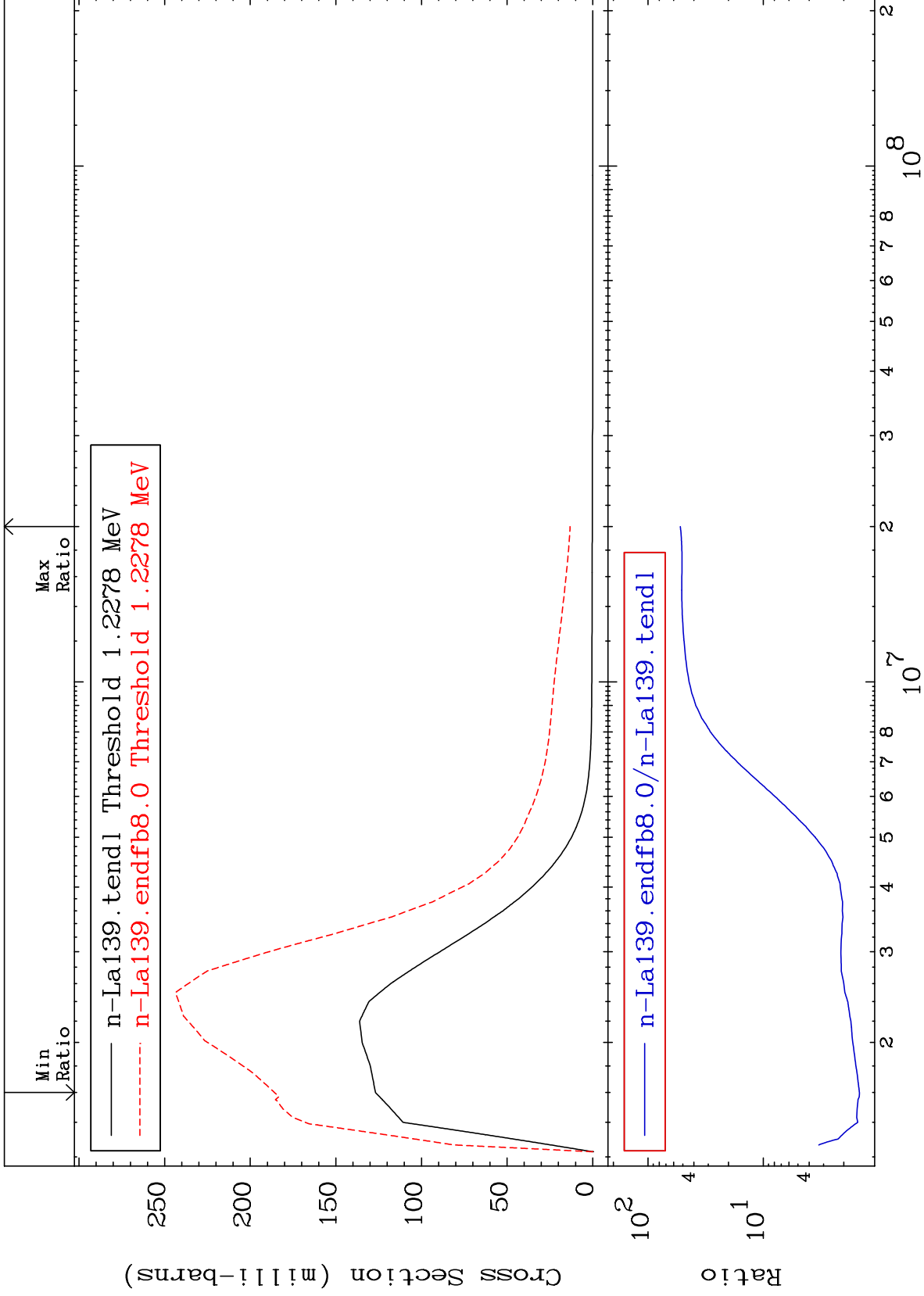
57-La-139  
37.67 To 9999. %



MAT 5728

MT= 53 (n, n') Level  
Cross Section

57-La-139  
46.48 To 5141. %



10

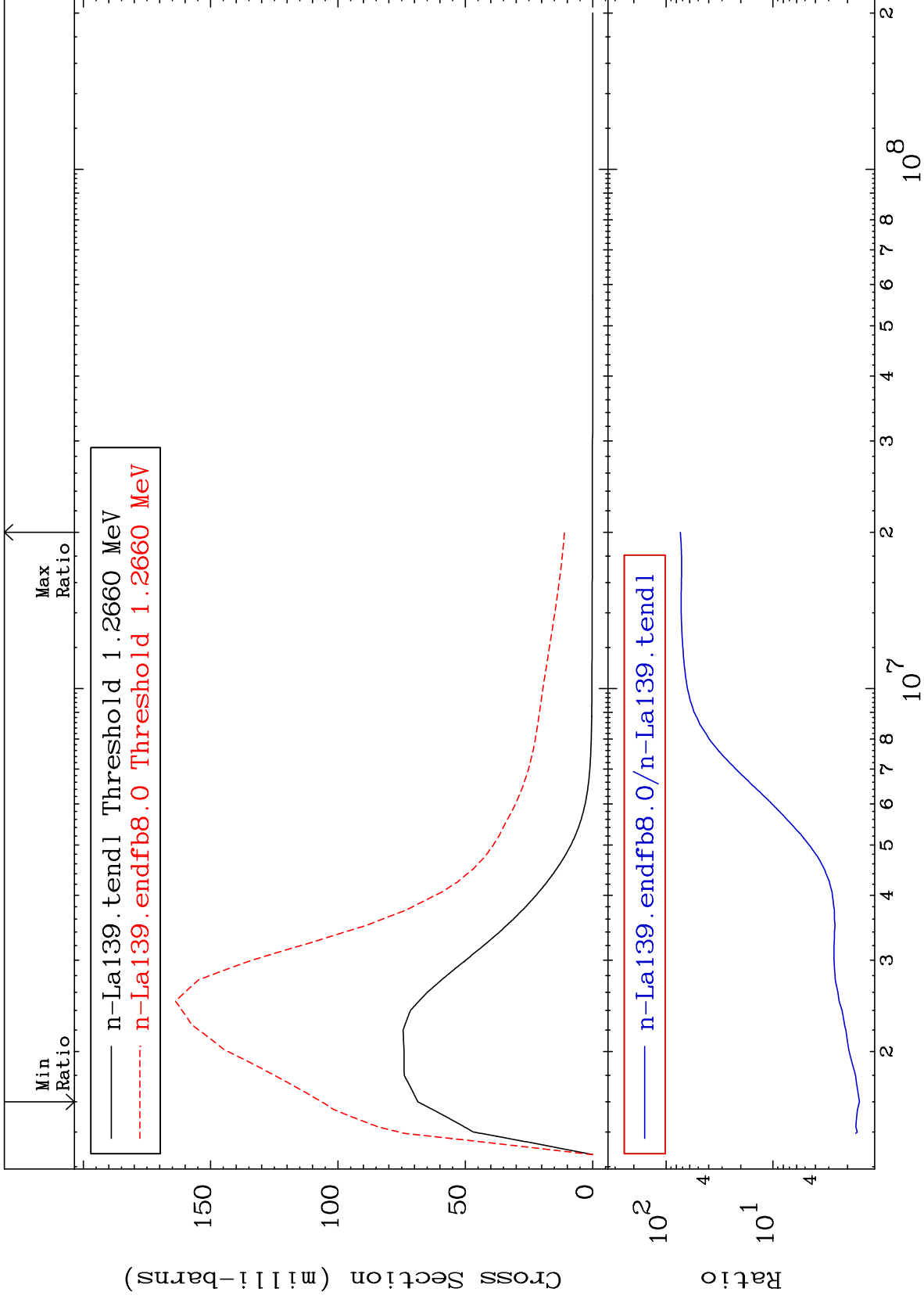
Incident Energy (eV)

57-La-139

MAT 5728

MT= 54 (n, n') Level  
Cross Section

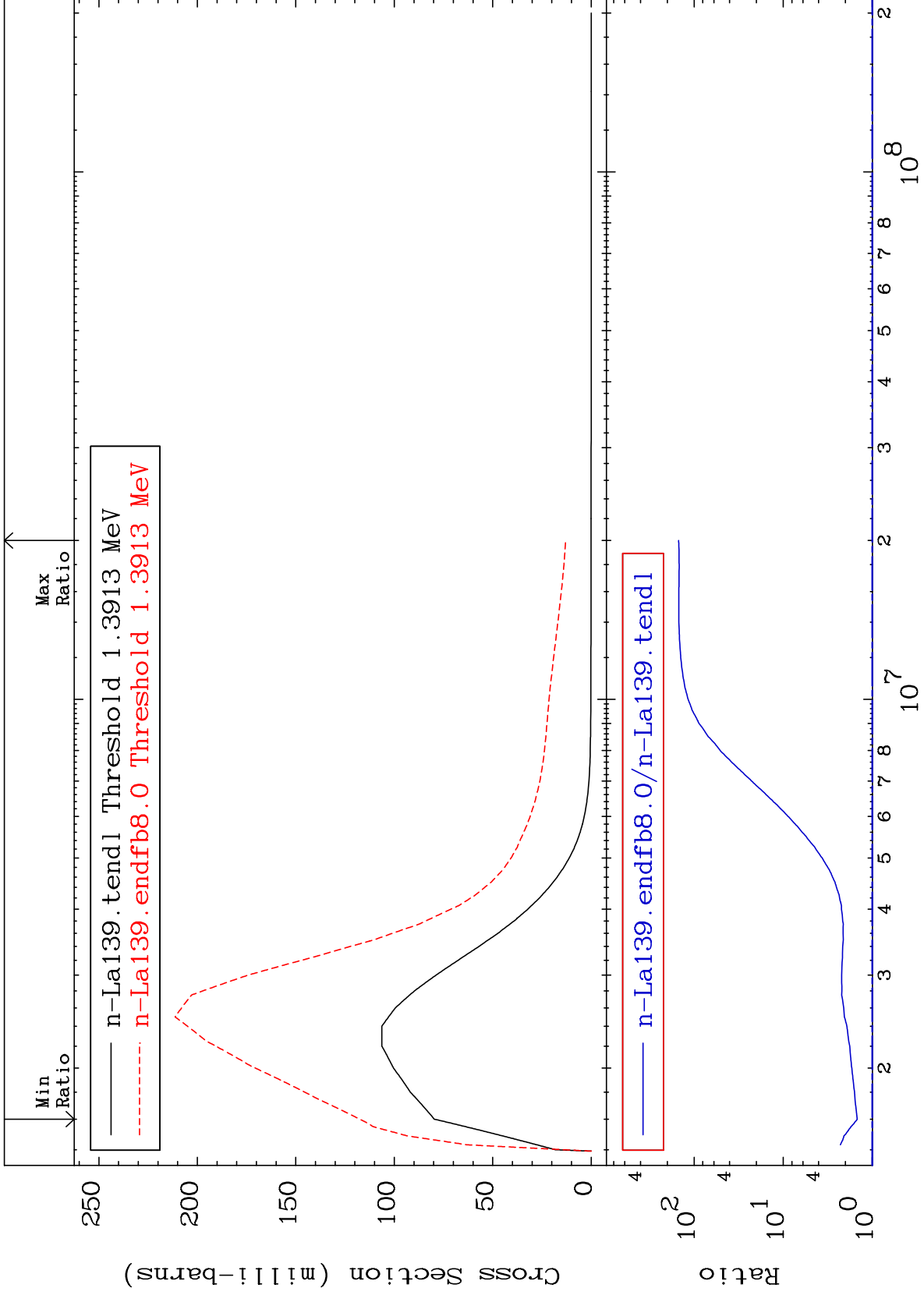
57-La-139  
54.93 To 7247. %



MAT 5728

MT= 55 (n,n') Level  
Cross Section

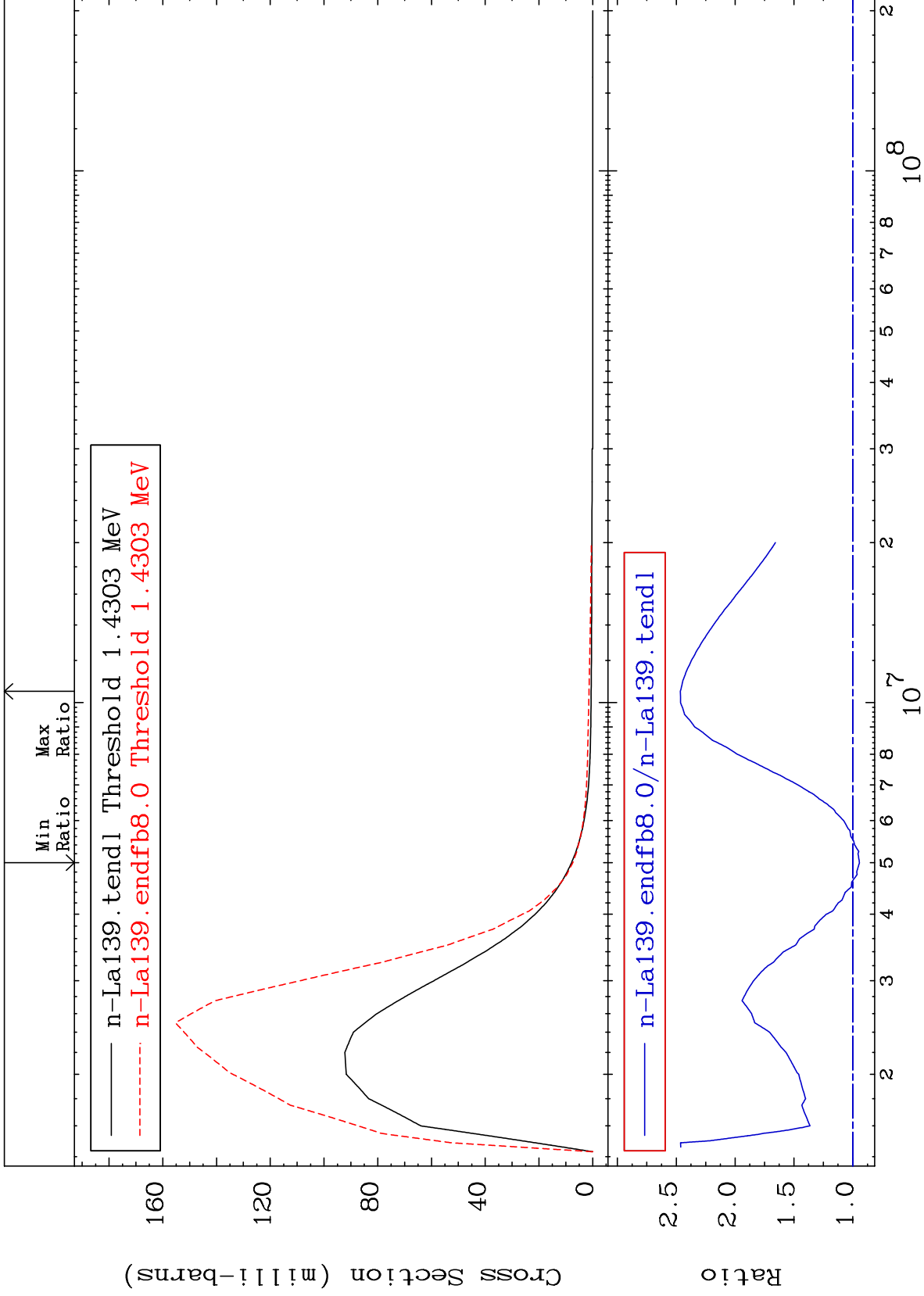
57-La-139  
47.54 To 9999. %



MAT 5728

MT= 56 (n,n') Level  
Cross Section

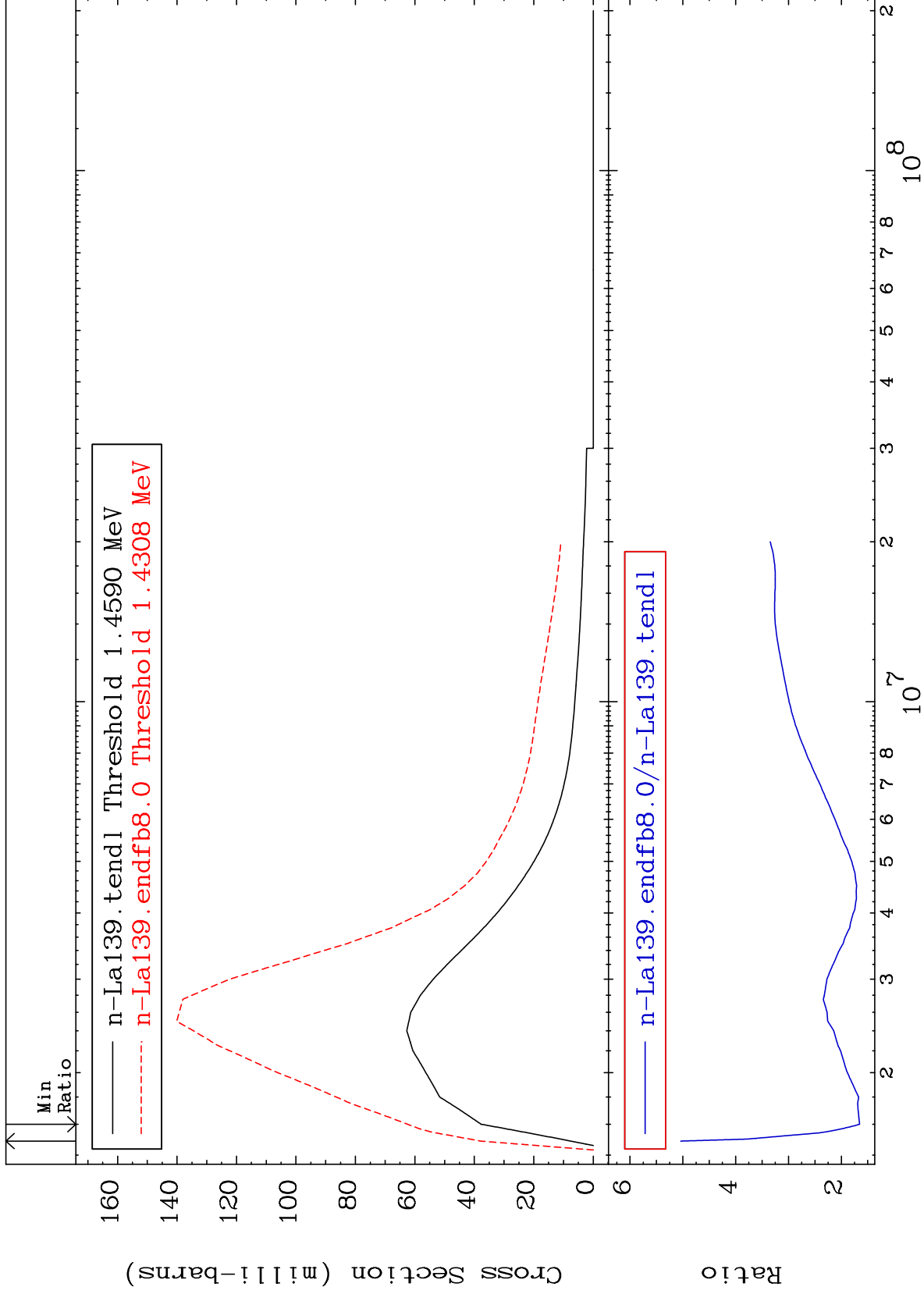
57-La-139  
-5.668 To 146.5 %



MAT 5728

MT= 57 (n,n') Level  
Cross Section

57-La-139  
65.53 To 403.9 %



14

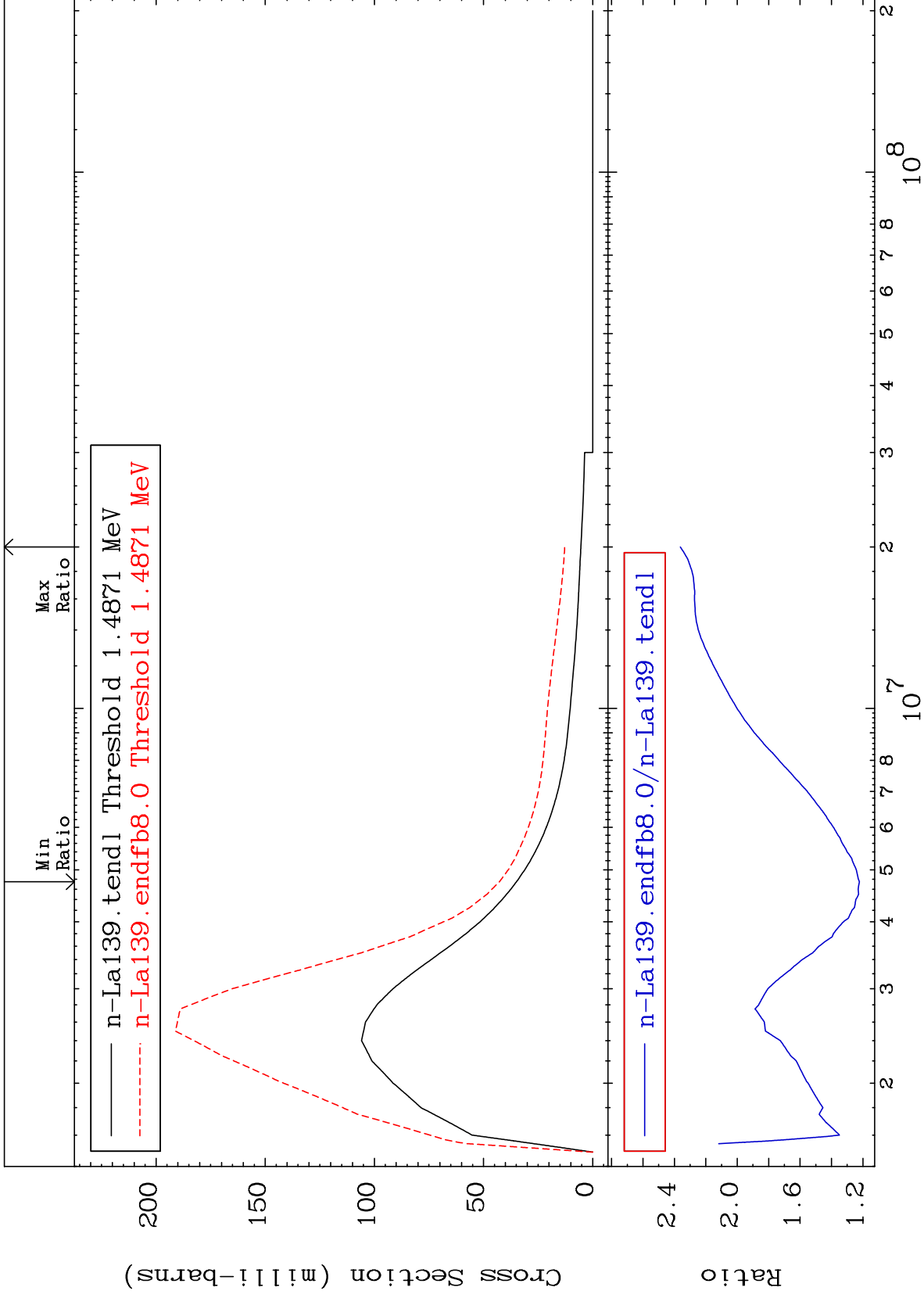
Incident Energy (eV)

57-La-139

MAT 5728

MT= 58 (n,n') Level  
Cross Section

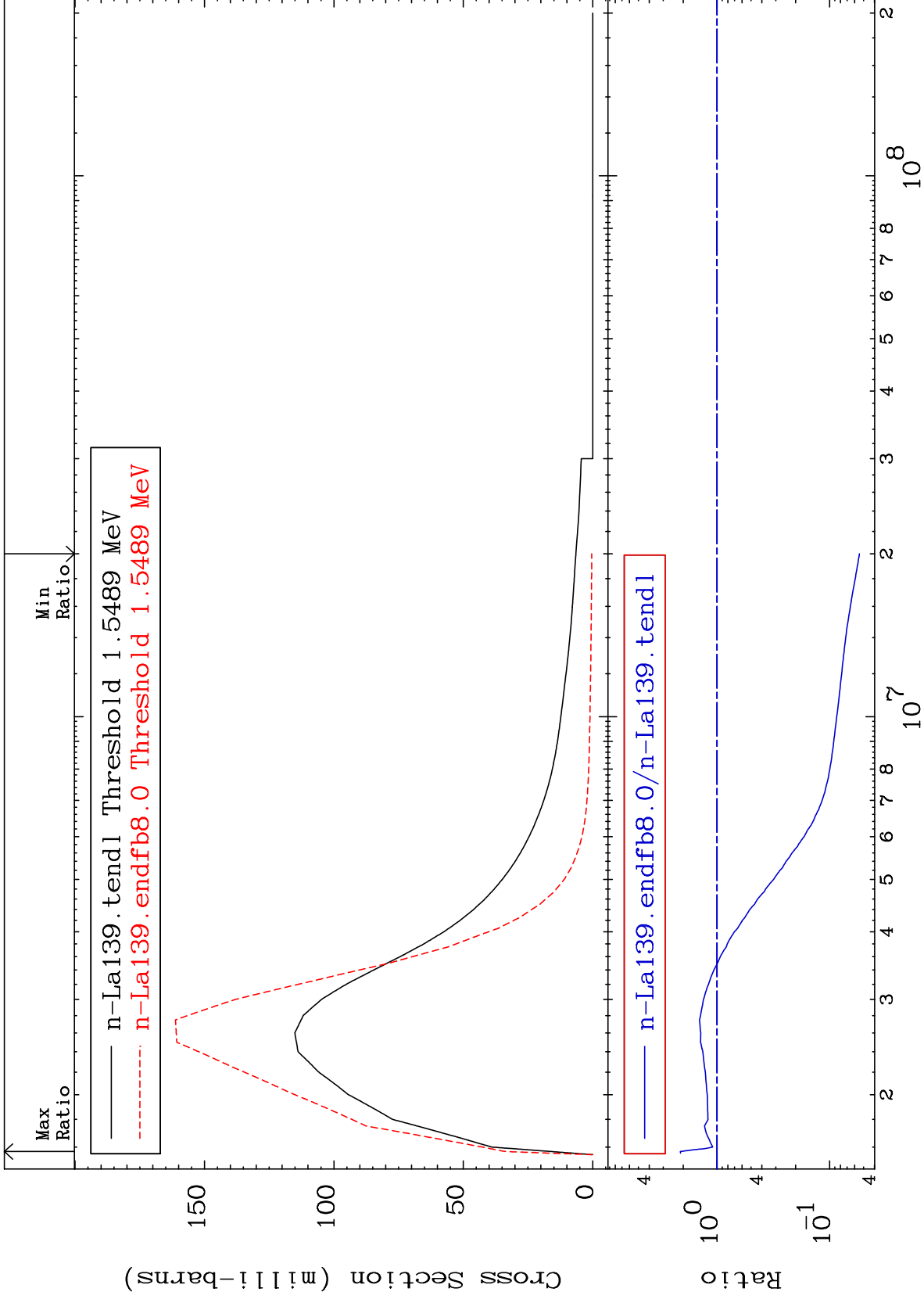
57-La-139  
22.23 To 136.2 %



MAT 5728

MT= 59 (n, n') Level  
Cross Section

57-La-139  
-94.57 To 111.7 %

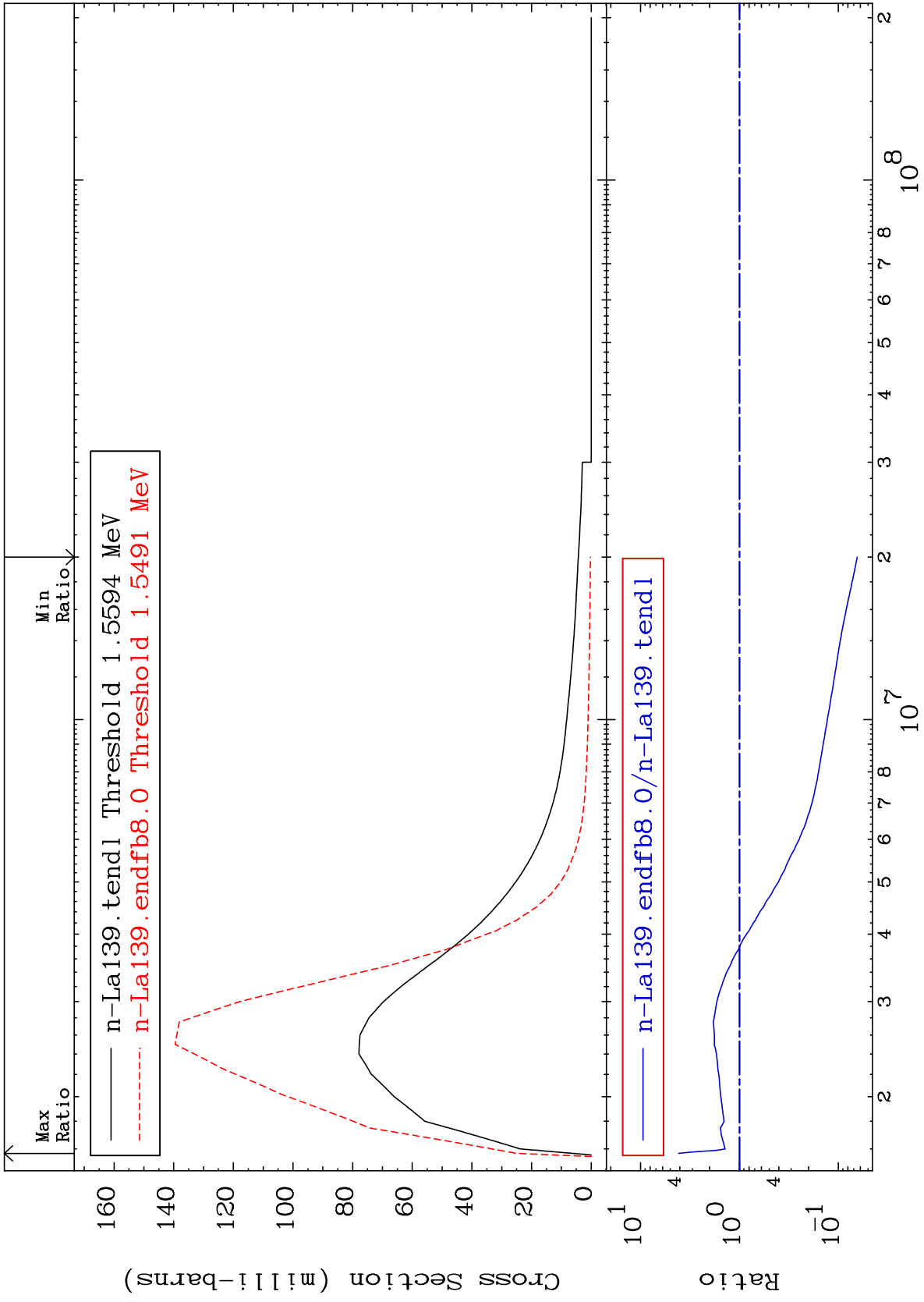




MAT 5728

MT= 60 (n, n') Level  
Cross Section

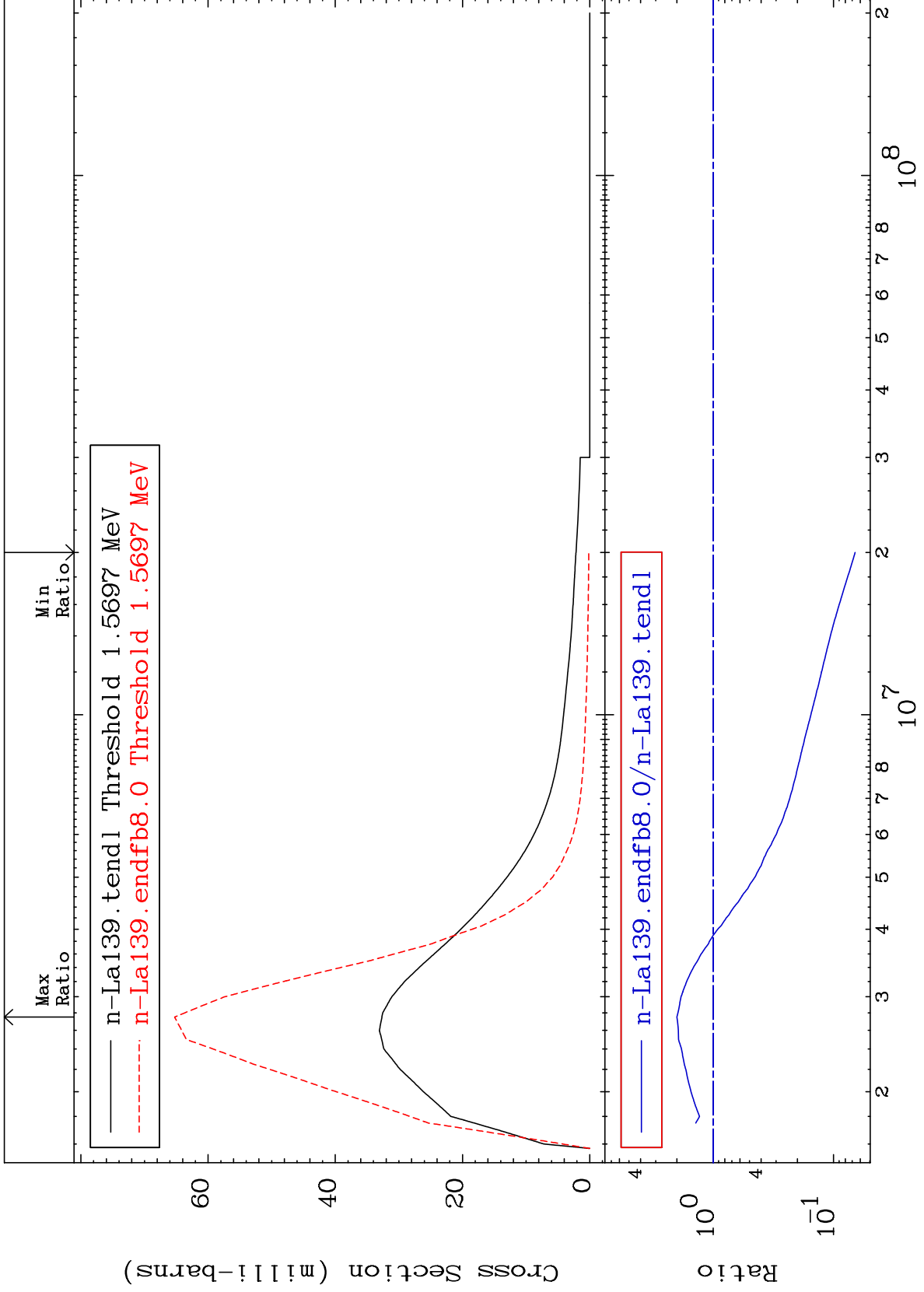
57-La-139  
-93.56 To 312.0 %

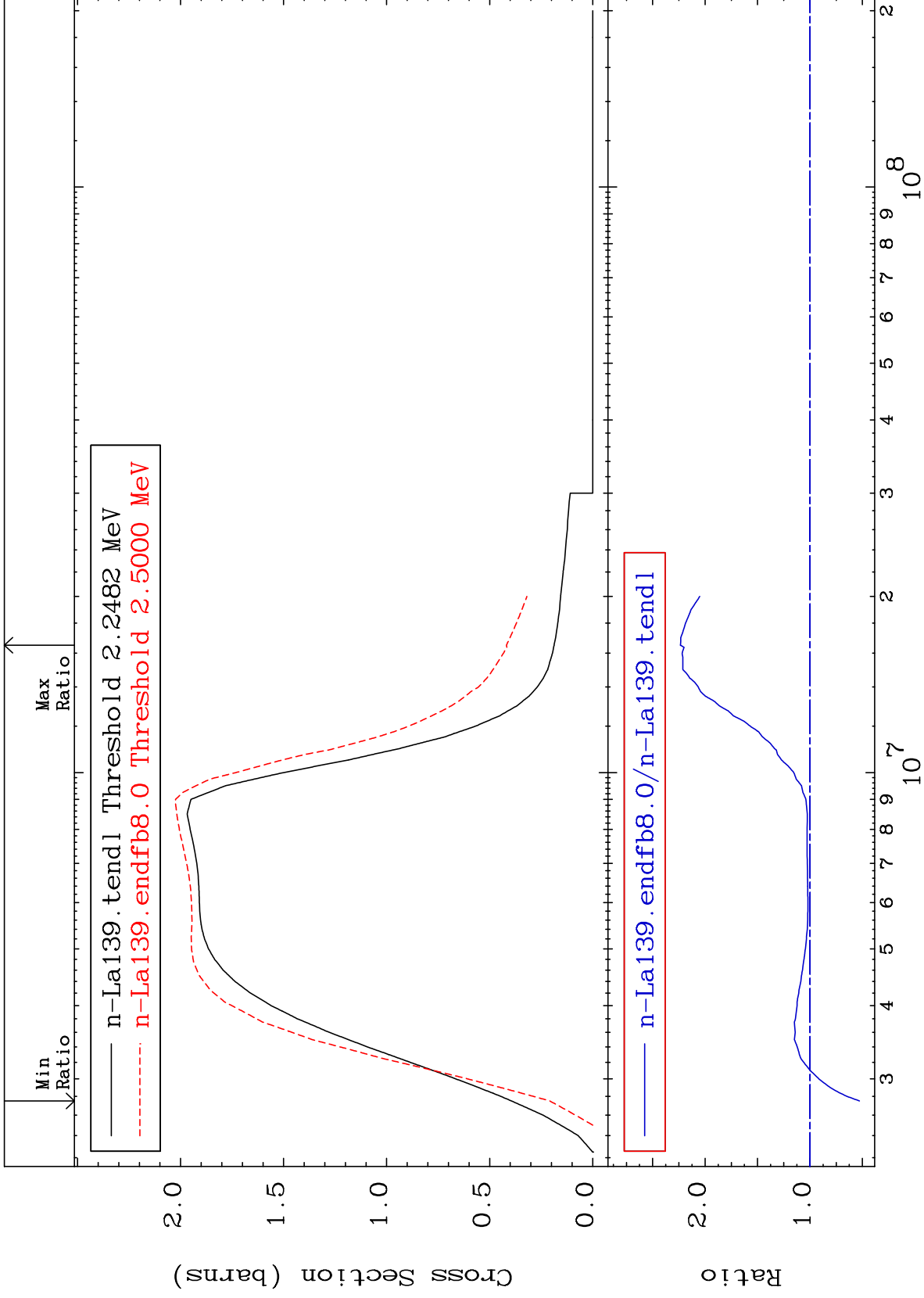


MAT 5728

MT= 61 (n,n') Level  
Cross Section

57-La-139  
-93.37 To 99.77 %





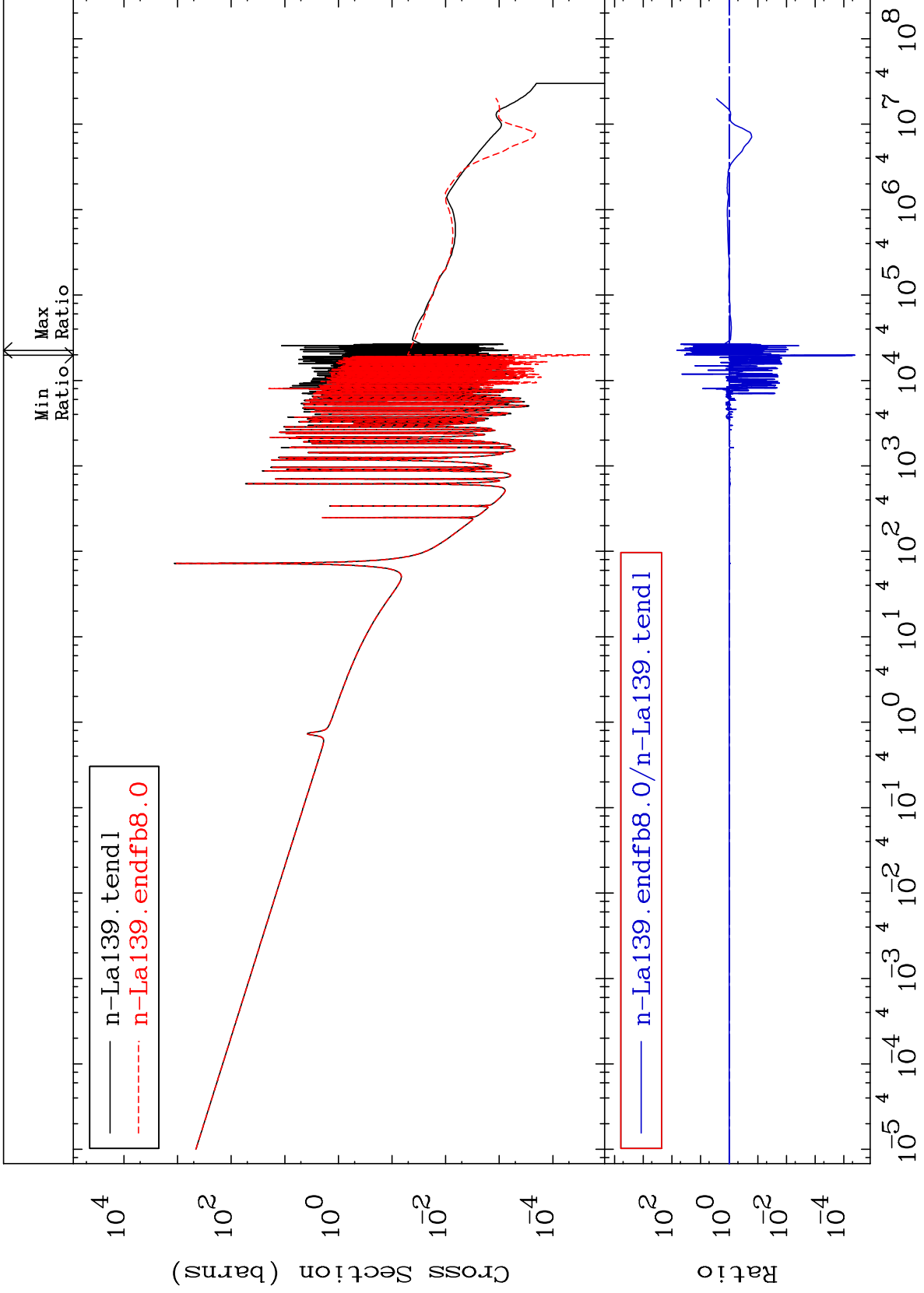
MAT 5728

(n,  $\gamma$ )

57-La-139

Cross Section

-100.0 To 6660. %



20

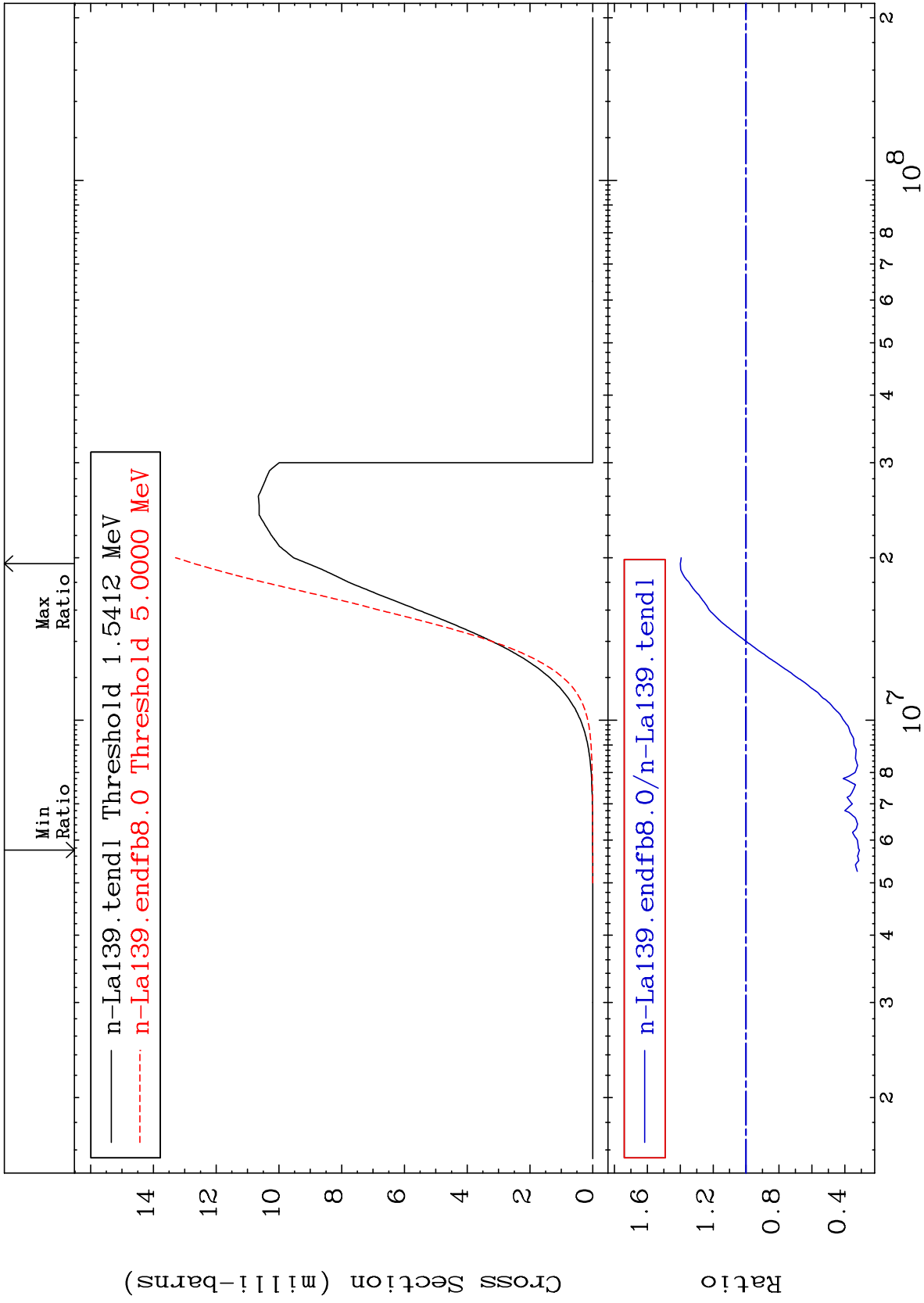
Incident Energy (eV)

57-La-139

MAT 5728

(n,p)  
Cross Section

57-La-139  
-68.88 To 39.93 %



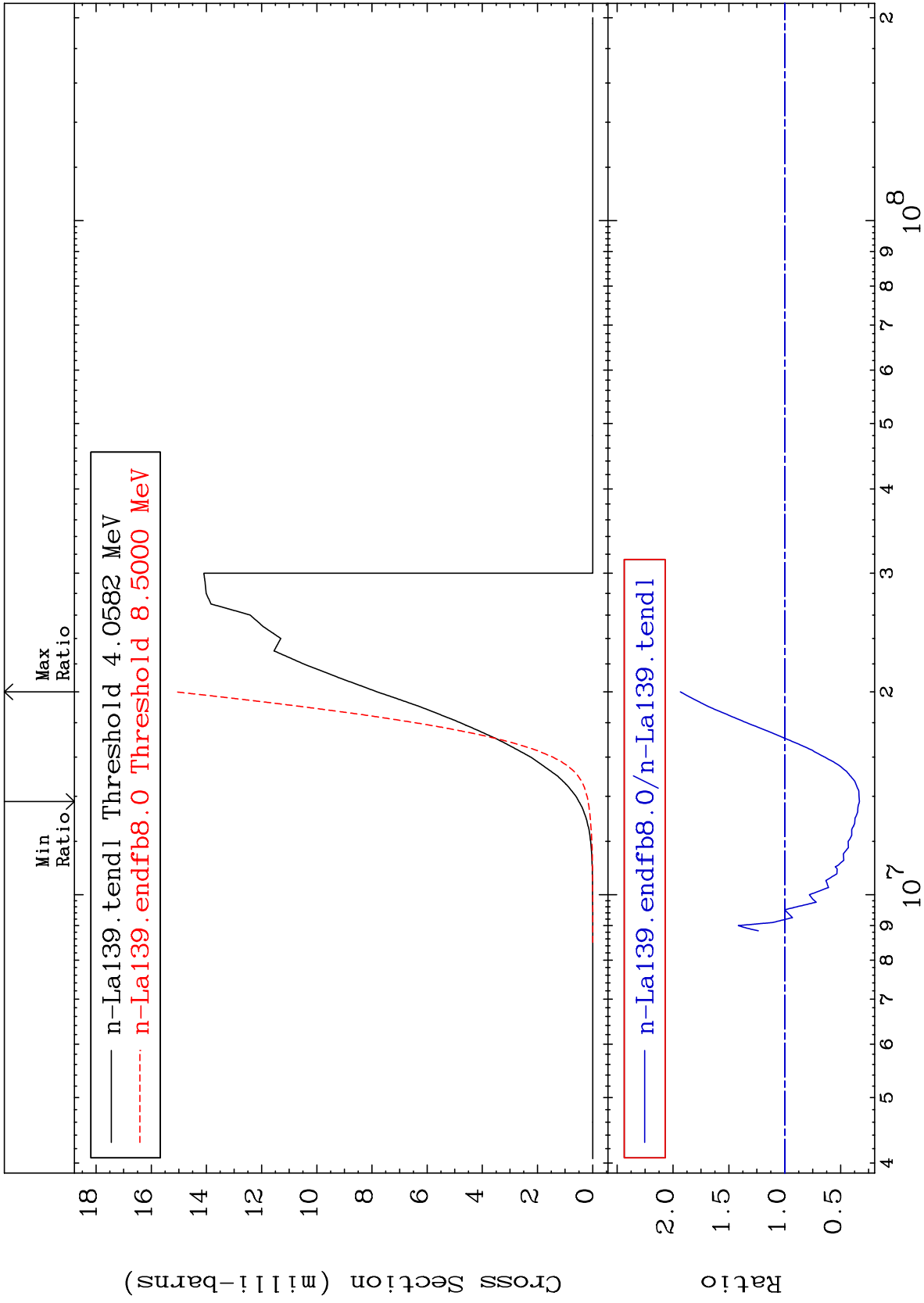
MAT 5728

(n, d)

57-La-139

Cross Section

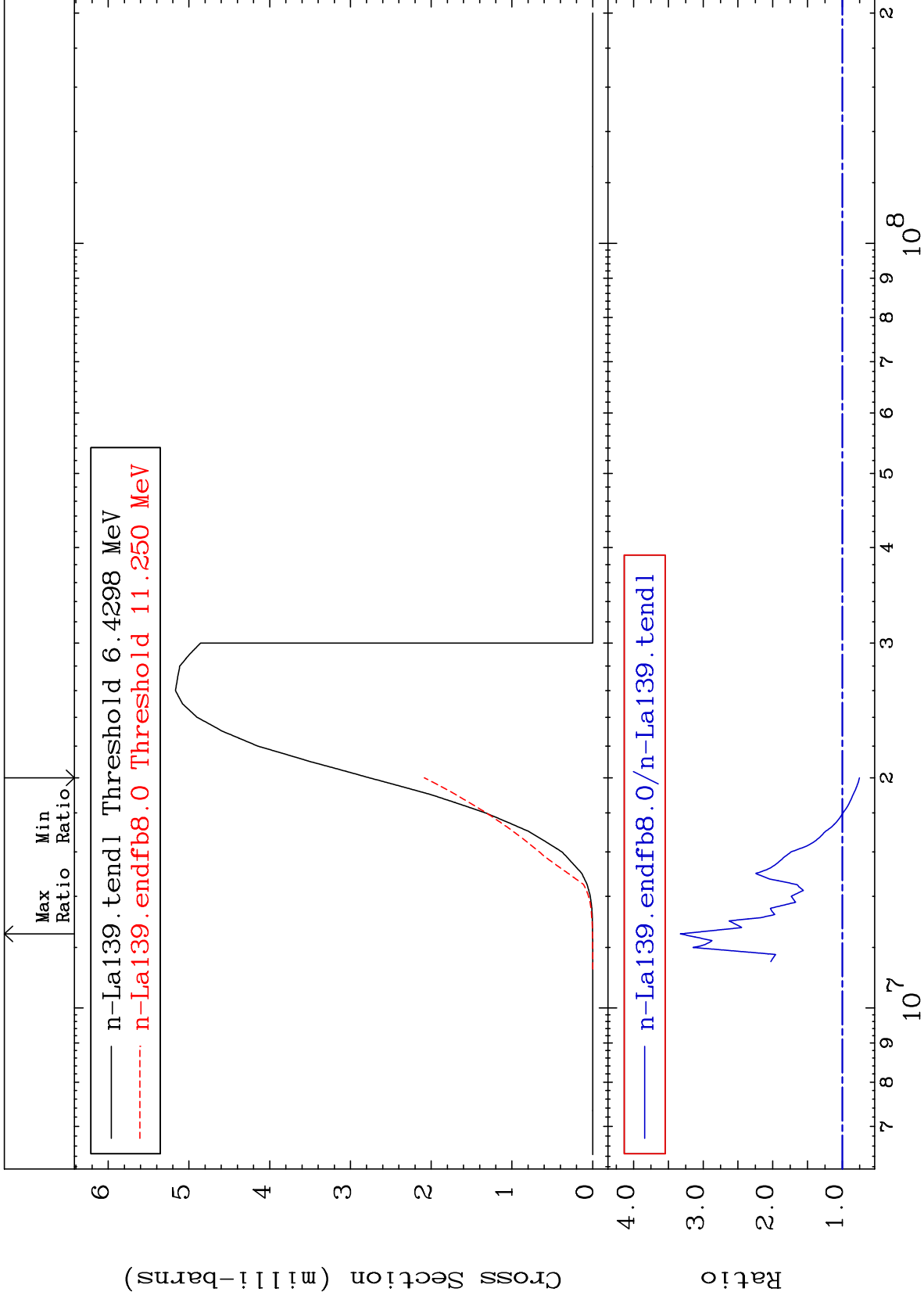
-66.71 To 93.44 %



MAT 5728

(n, t)  
Cross Section

57-La-139  
-24.57 To 232.8 %



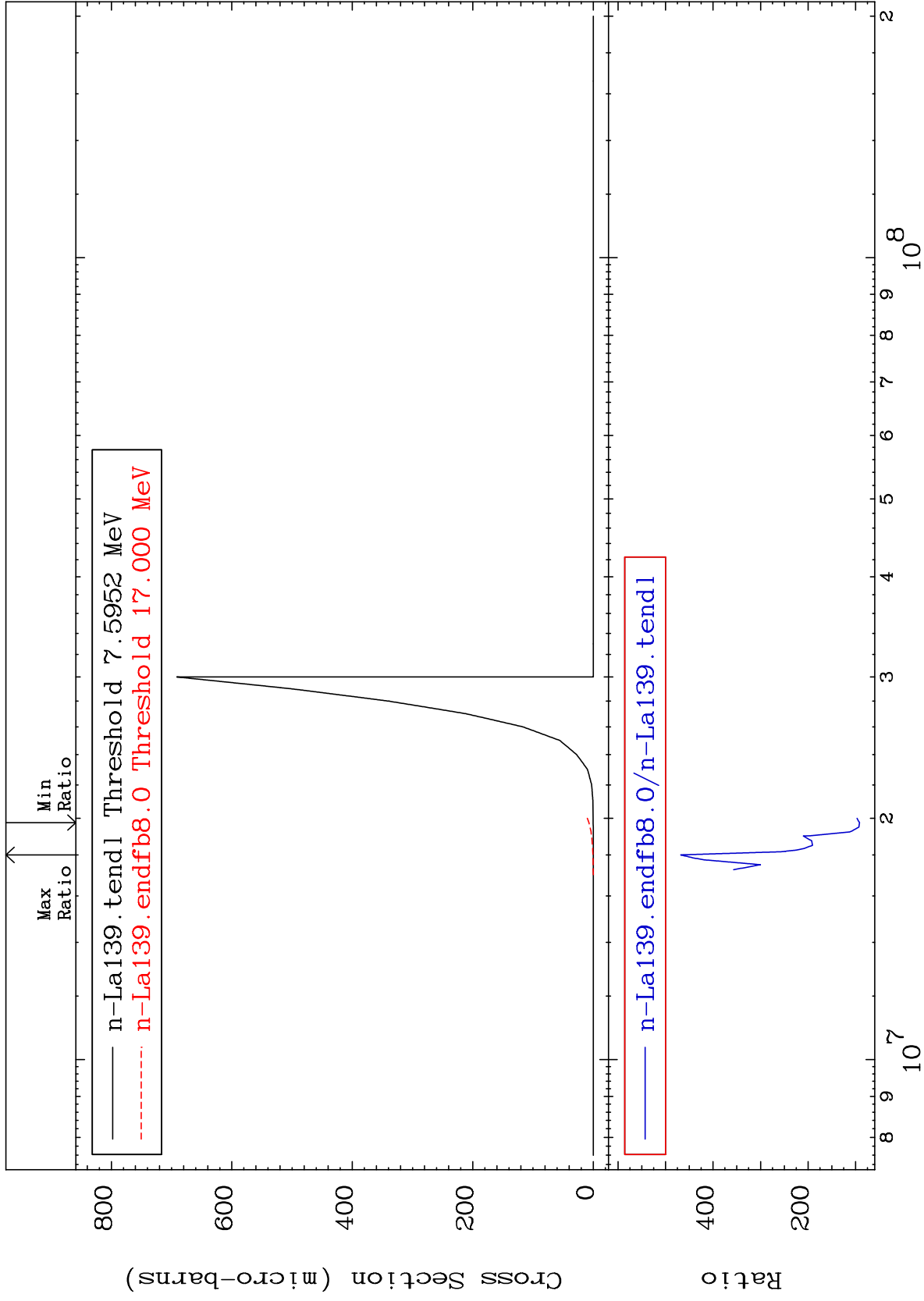
MAT 5728

(n, He-3)

57-La-139

Cross Section

9059. To 9999. %



24

Incident Energy (eV)

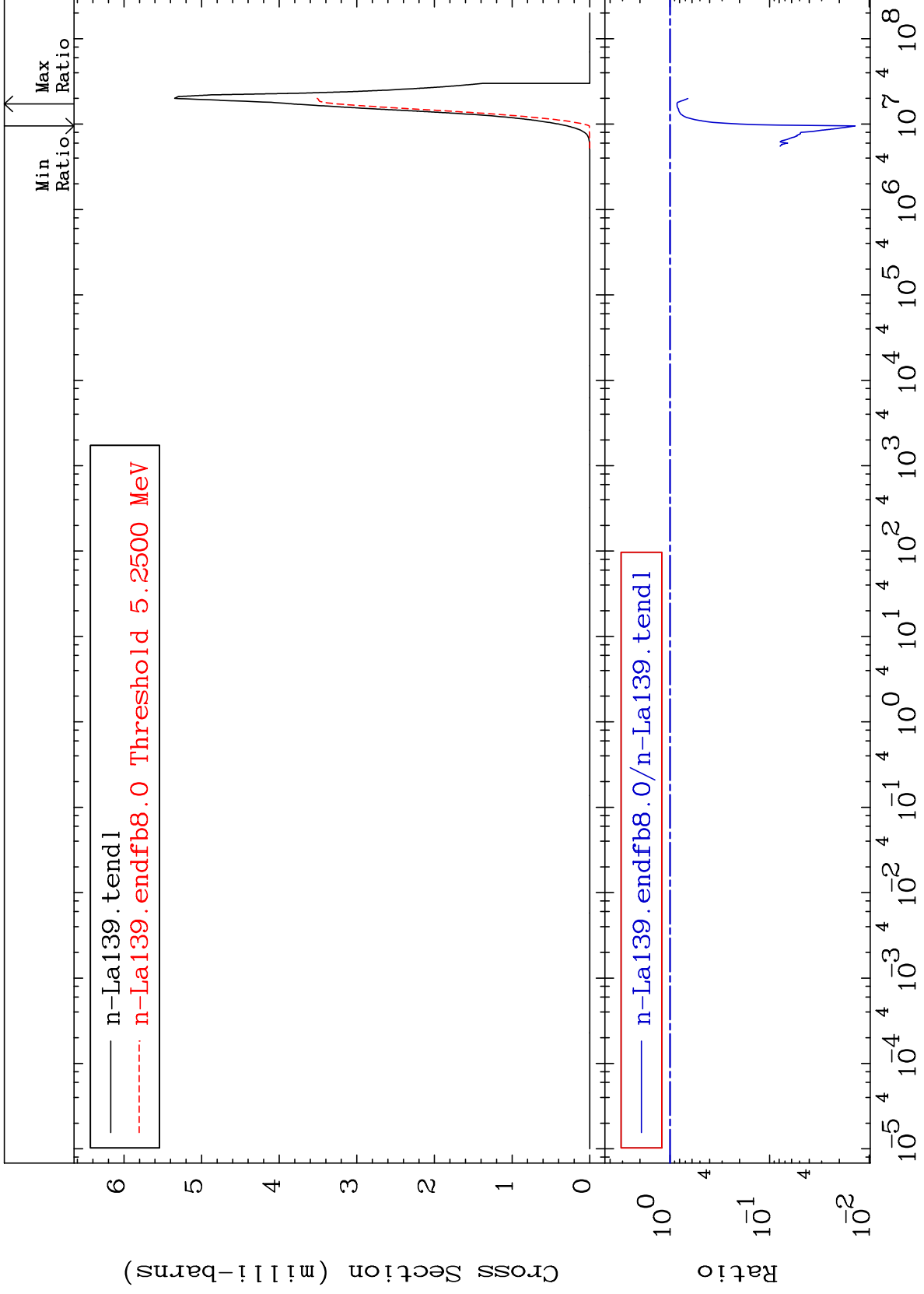
57-La-139



MAT 5728

(n,  $\alpha$ )  
Cross Section

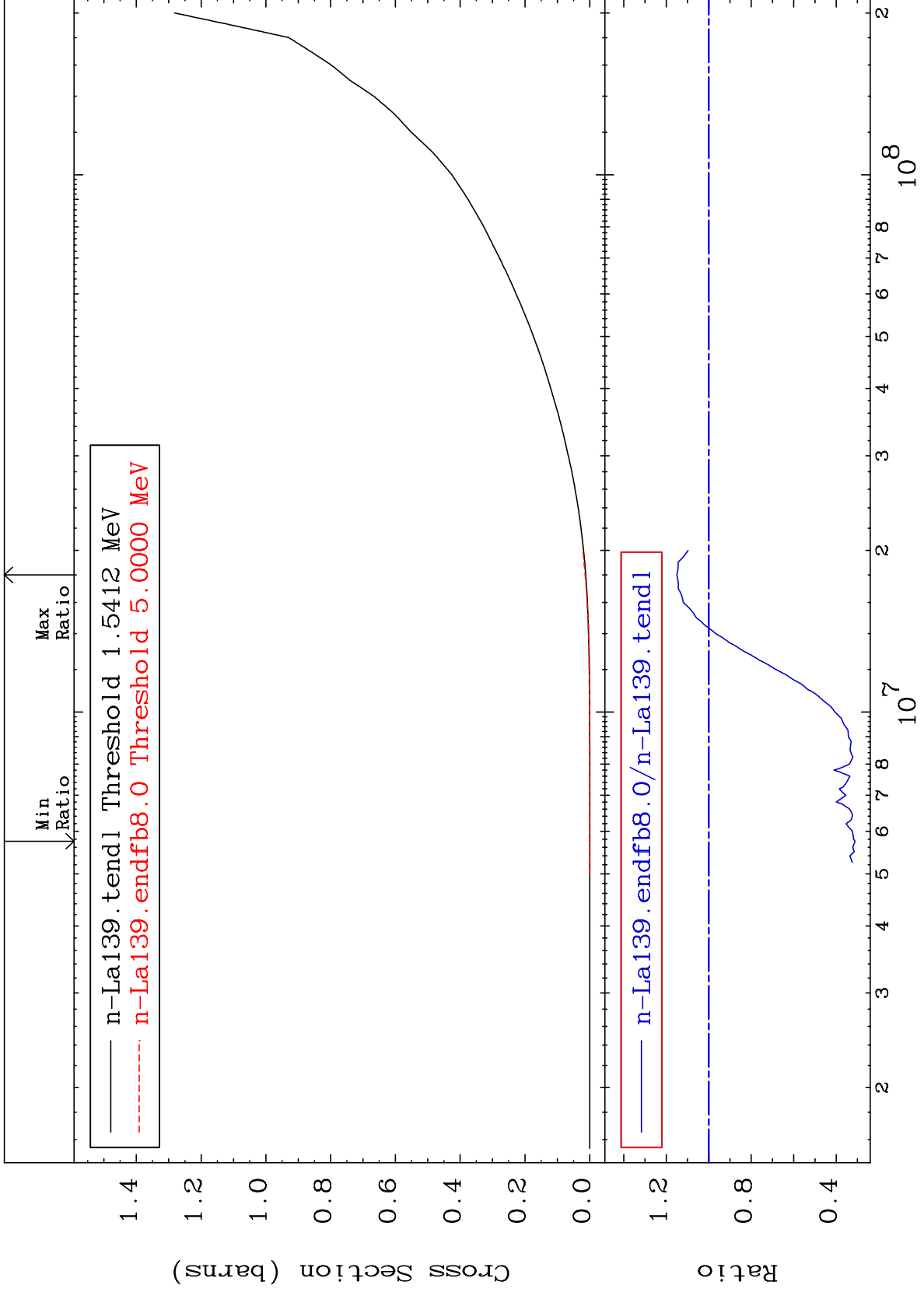
57-La-139  
-98.61 To -14.87%

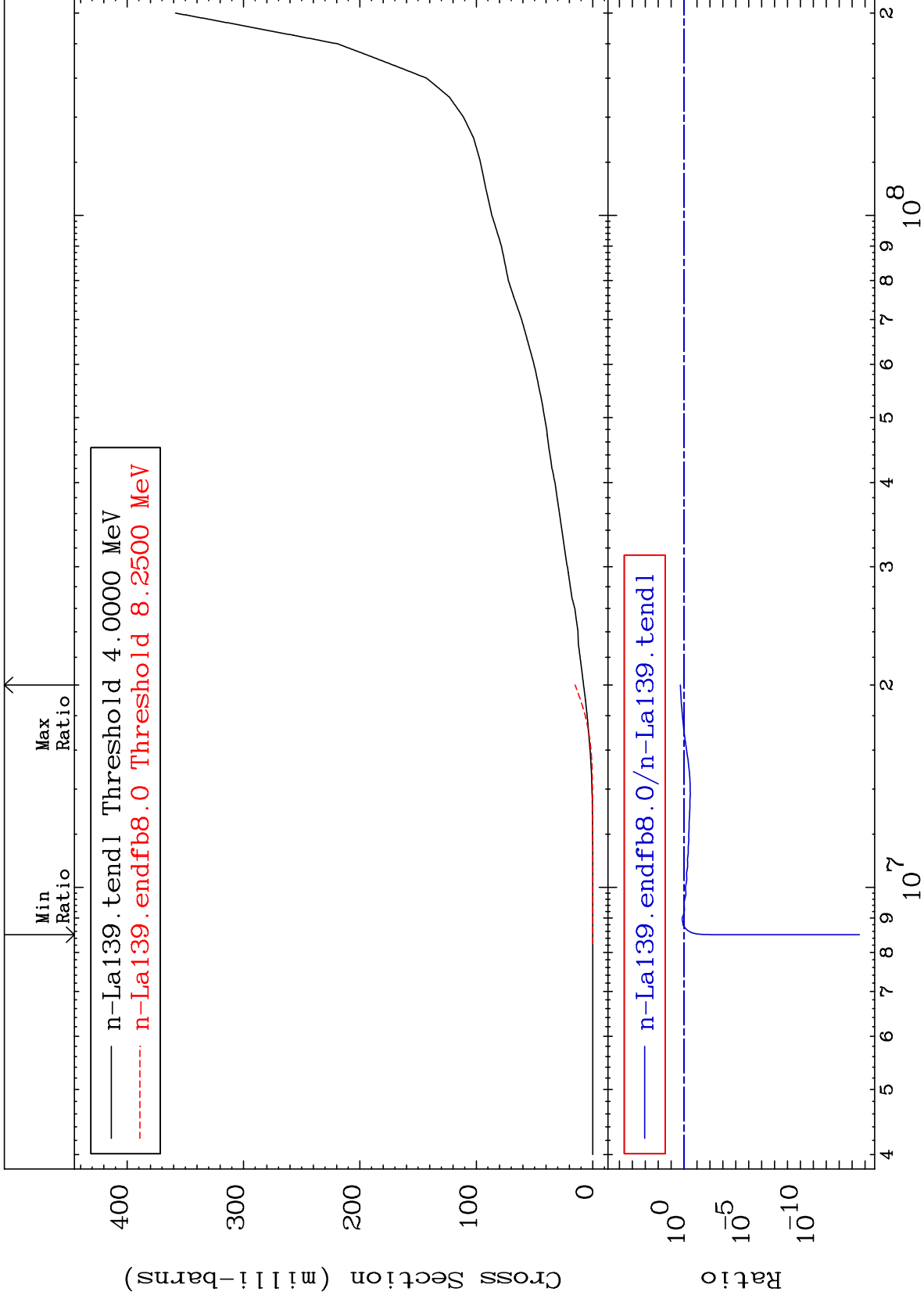


25

Incident Energy (eV)

57-La-139

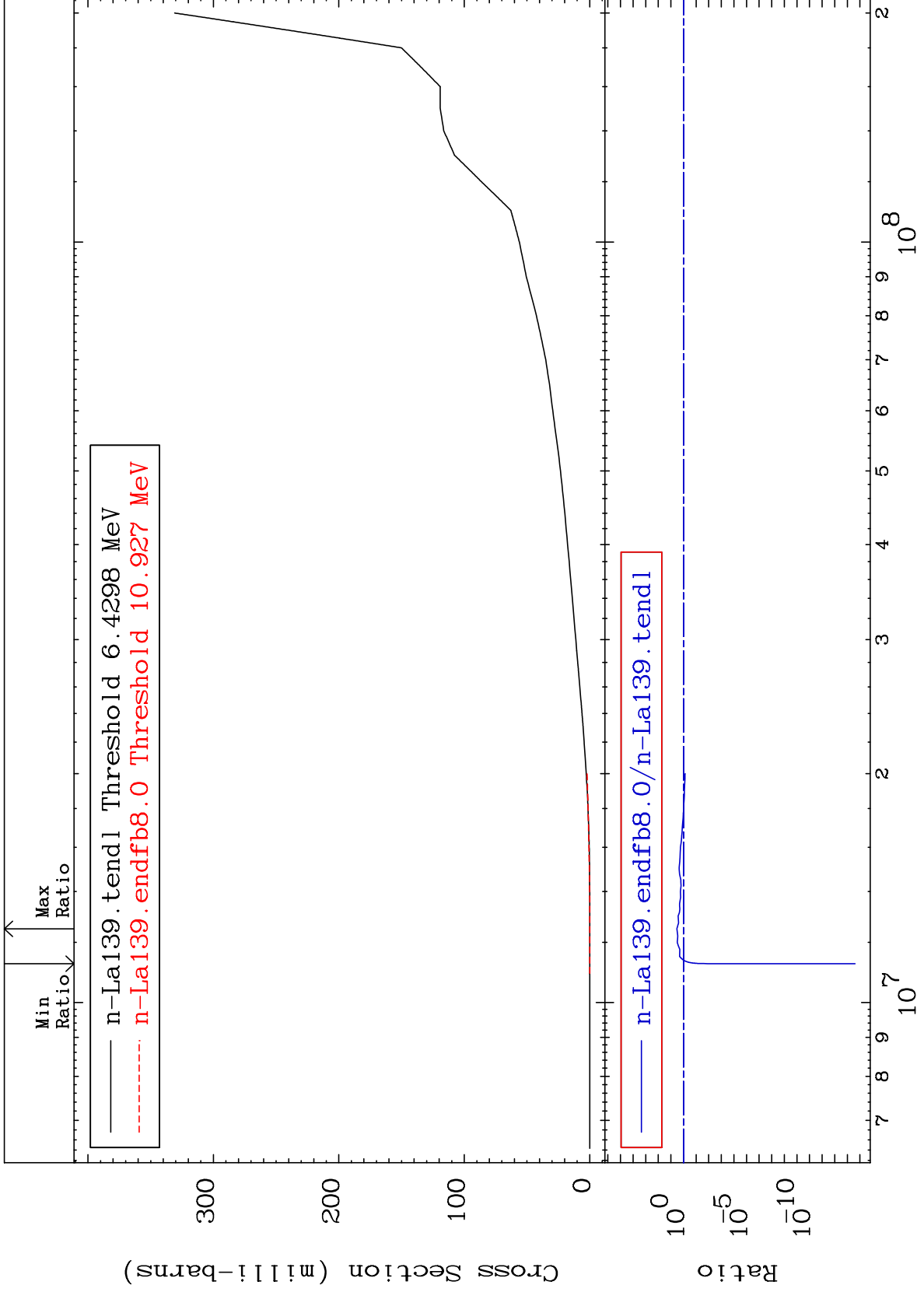




MAT 5728

Tritium Production  
Cross Section

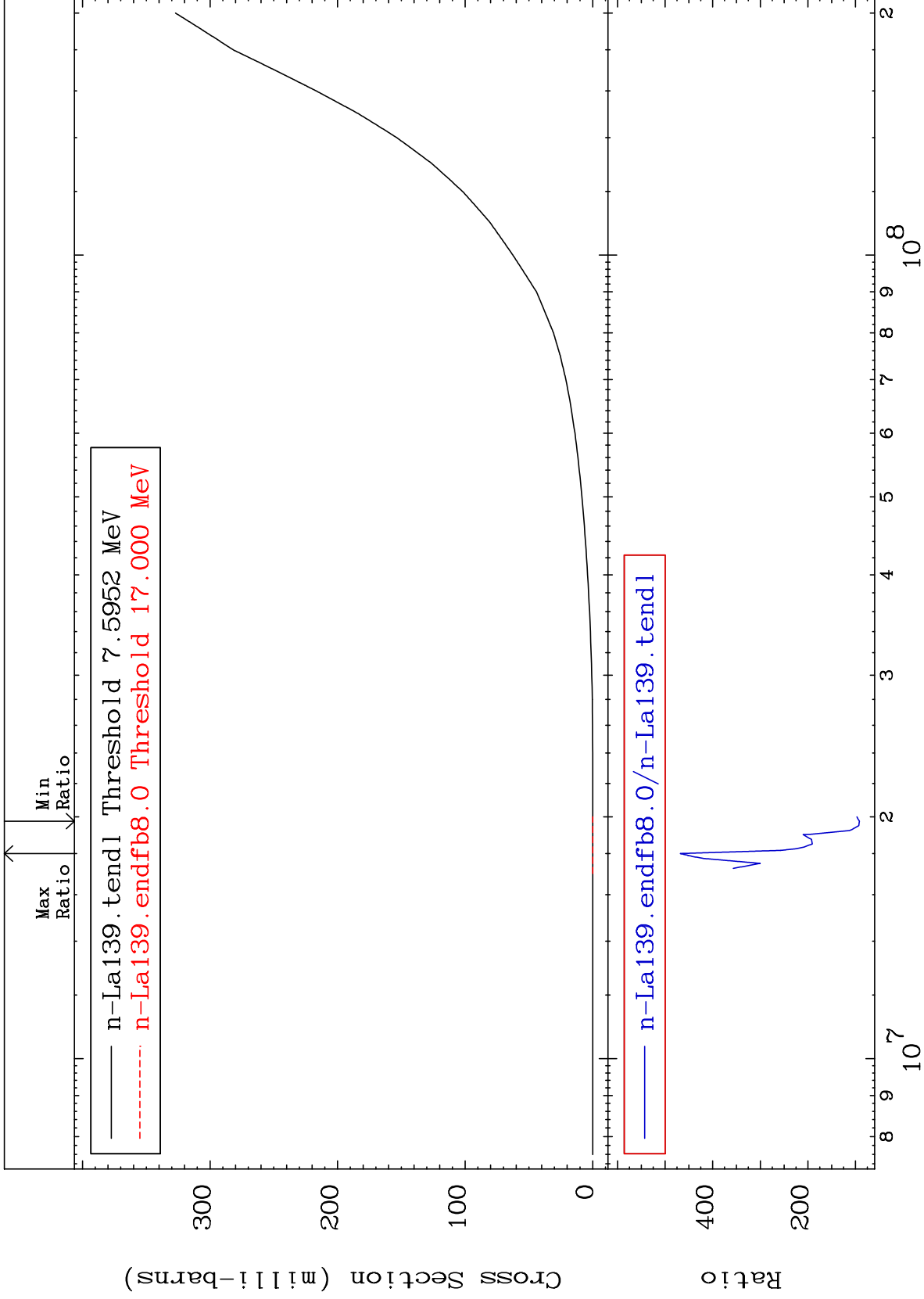
57-La-139  
-100.0 To 232.8 %

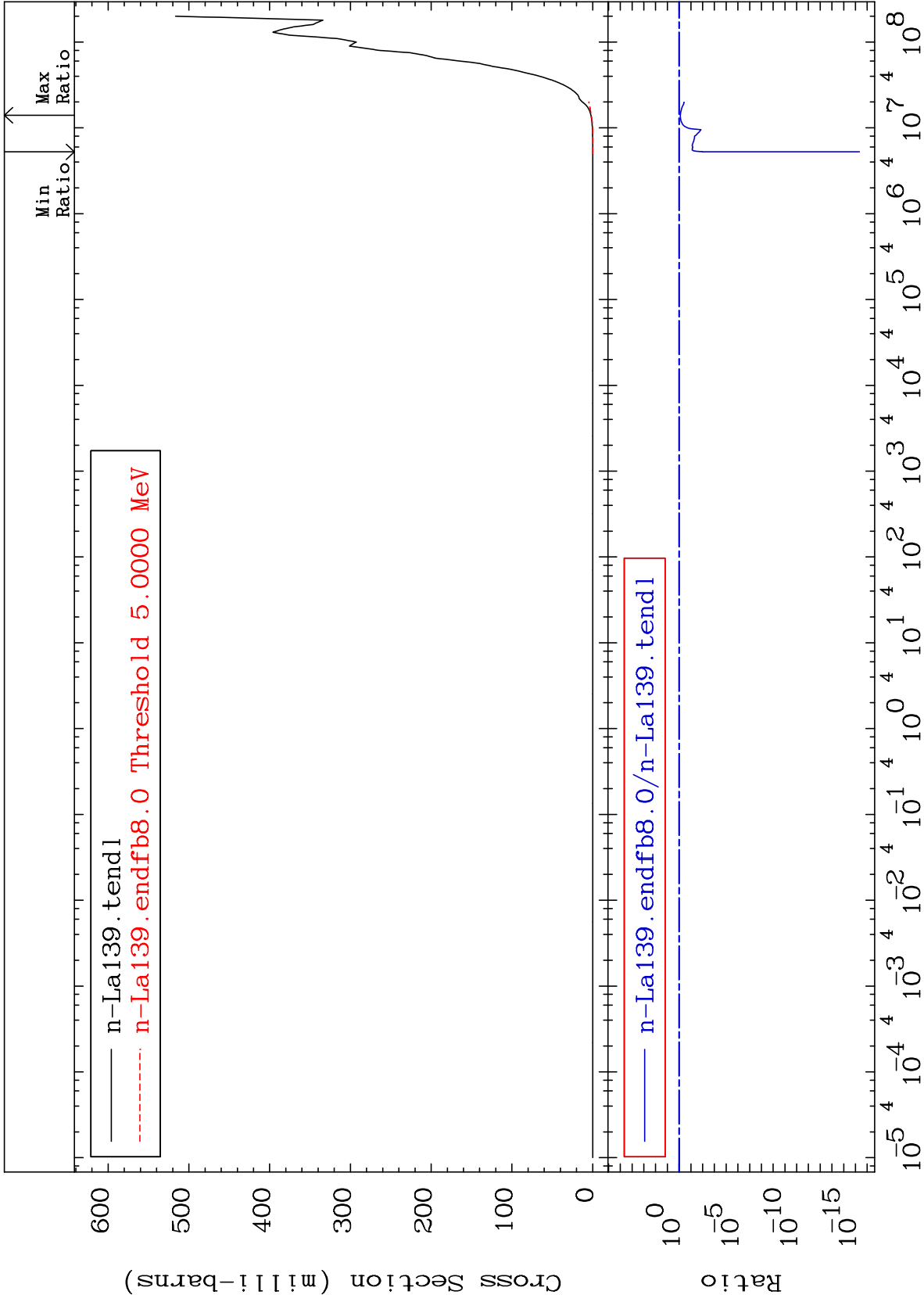


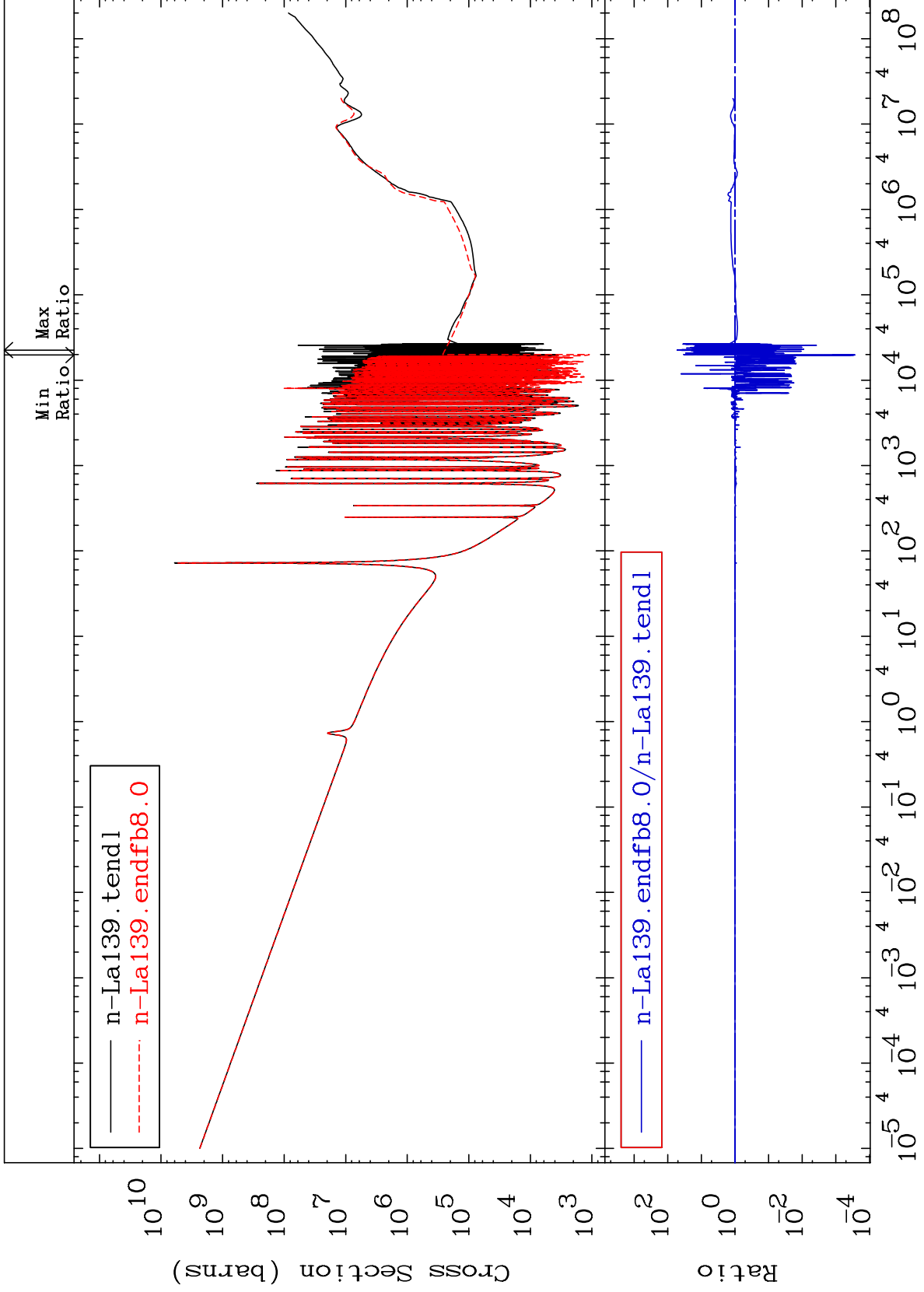
MAT 5728

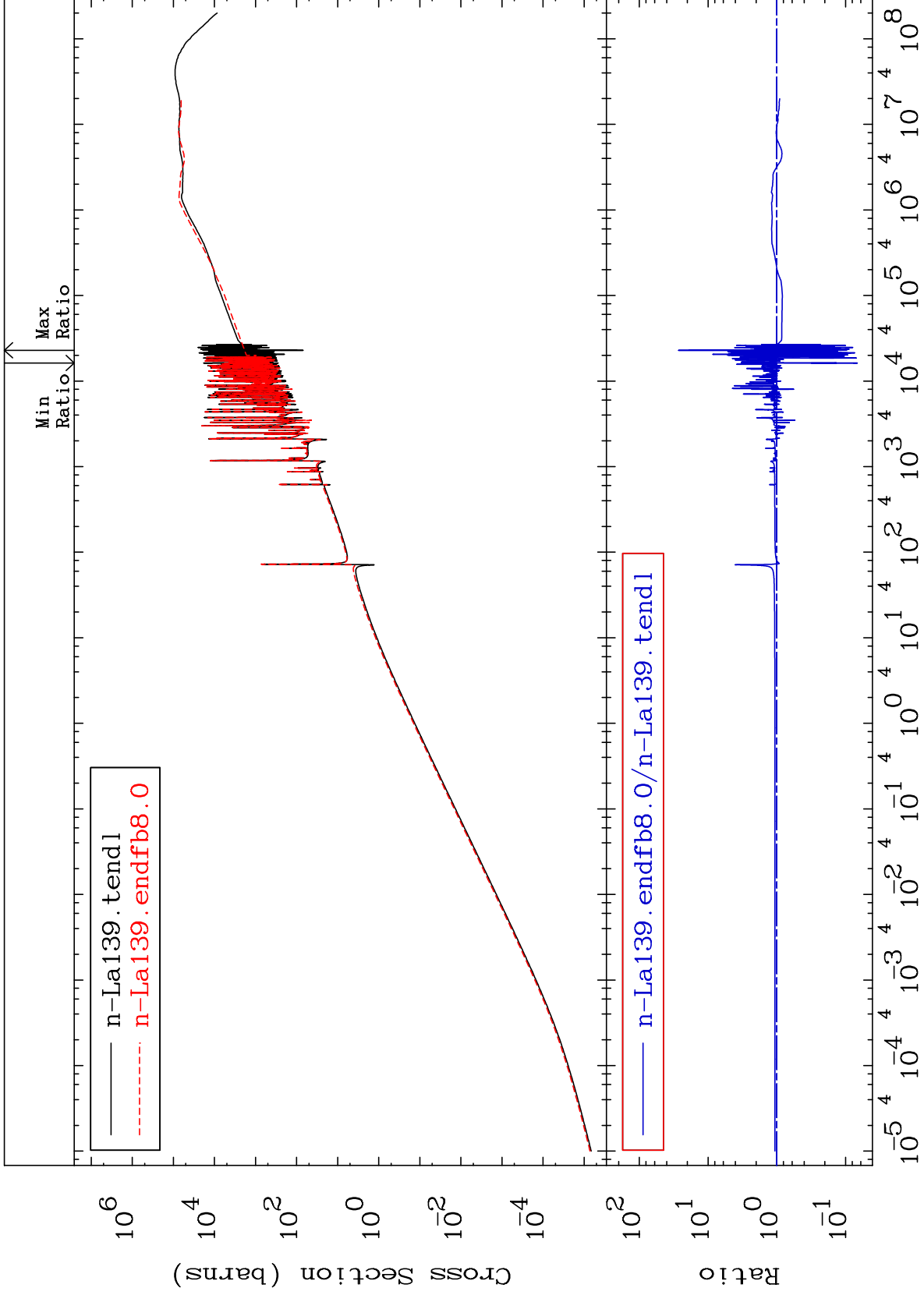
He-3 Production  
Cross Section

57-La-139  
To 9999. %

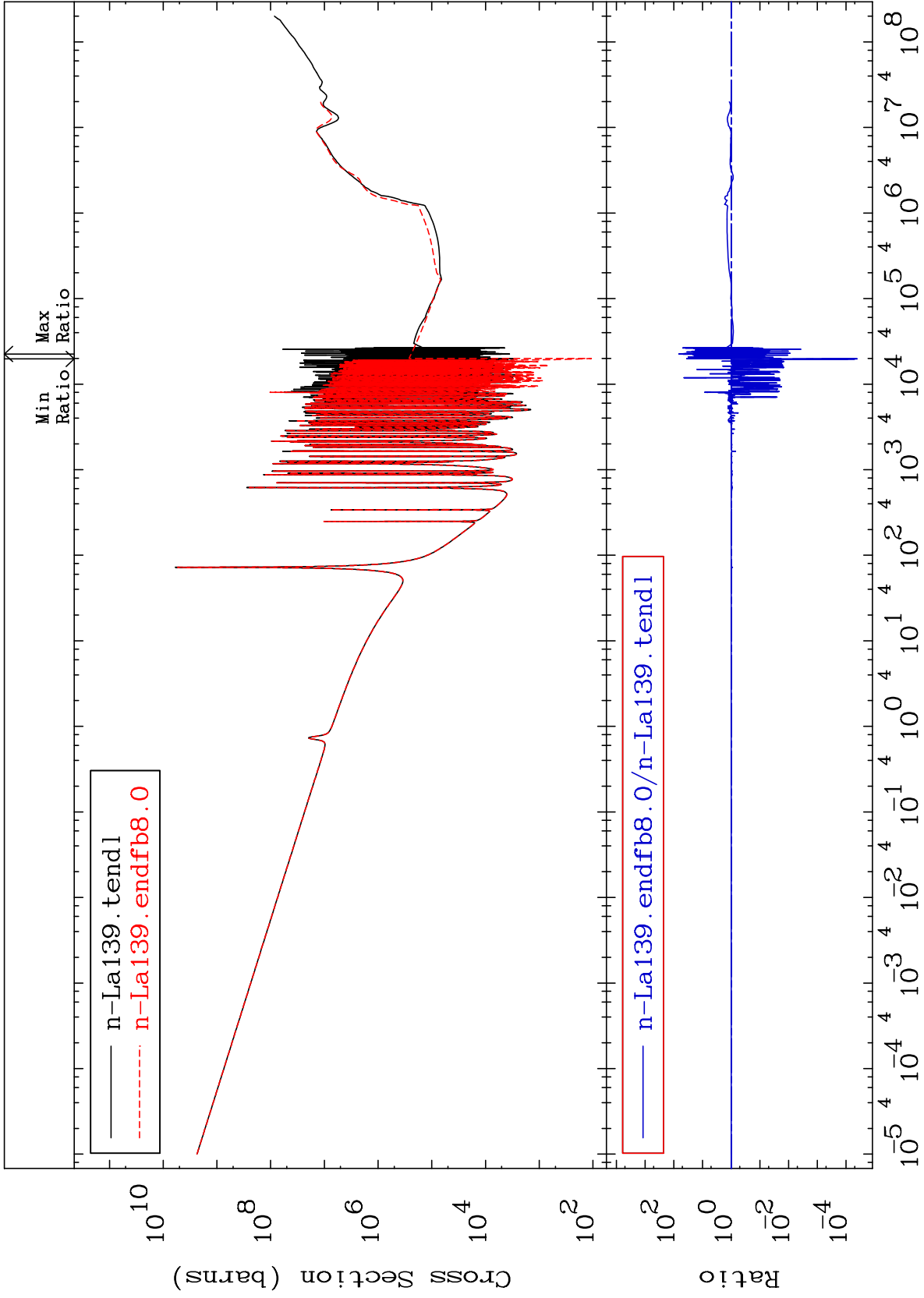


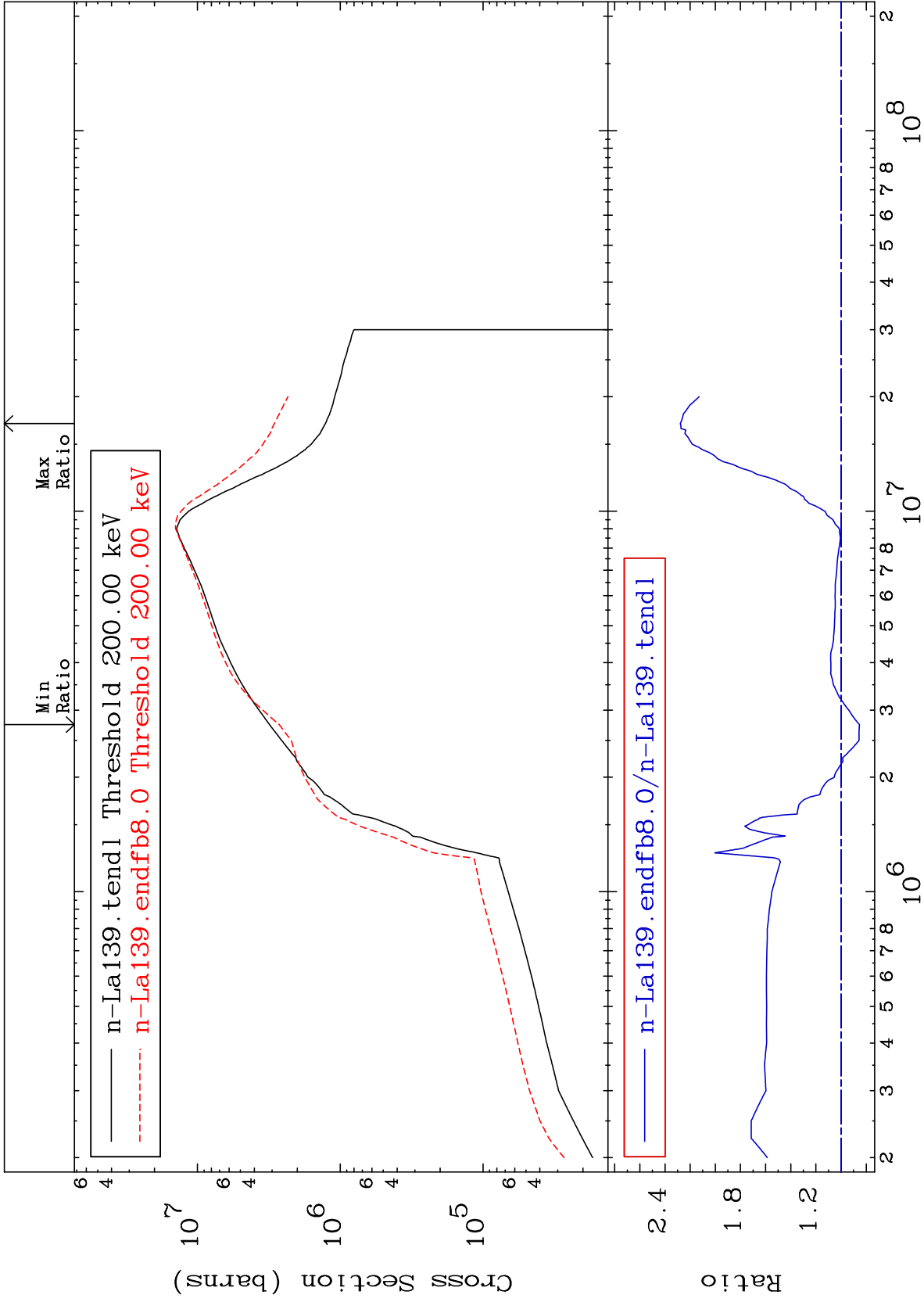








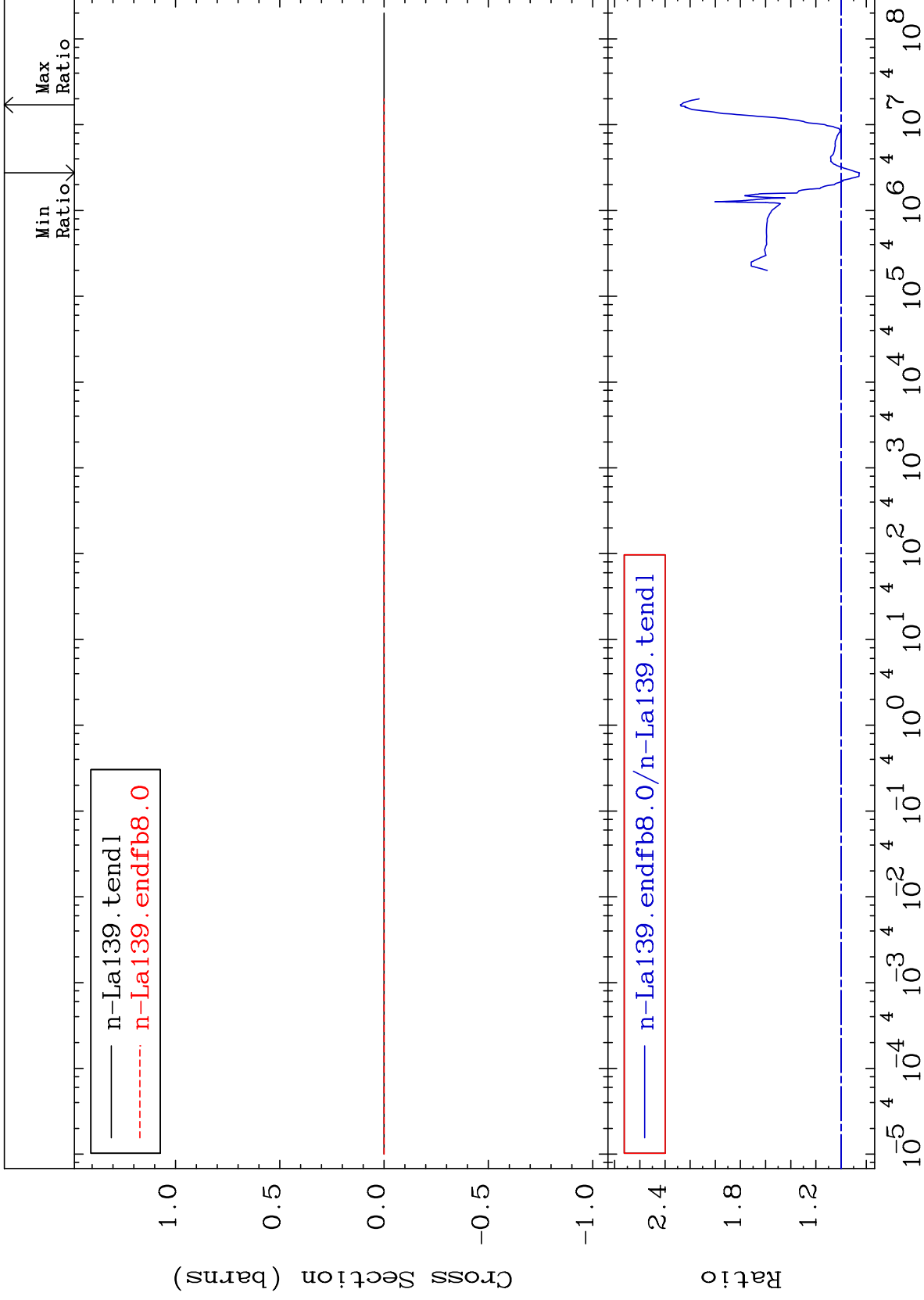


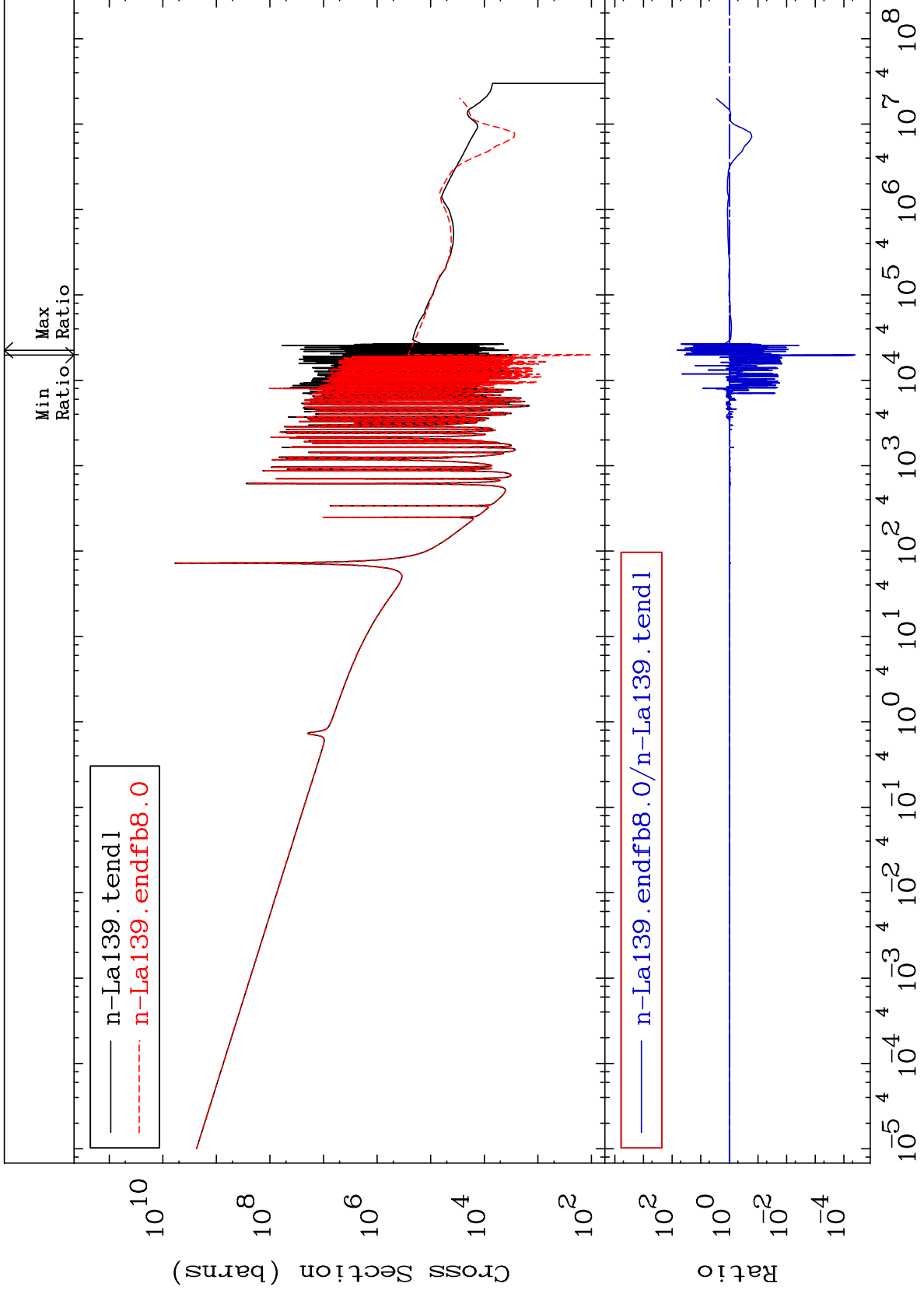


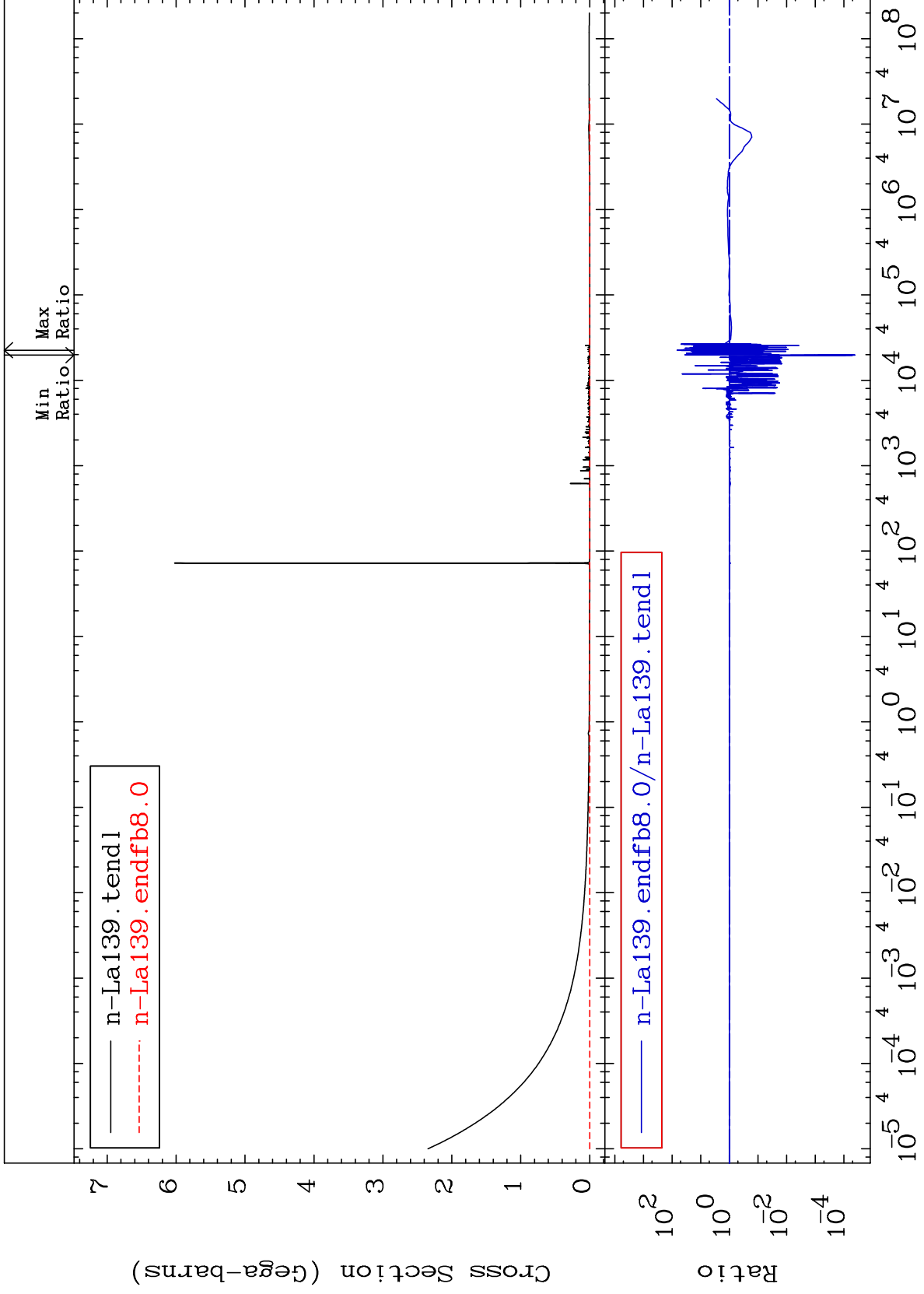
MAT 5728

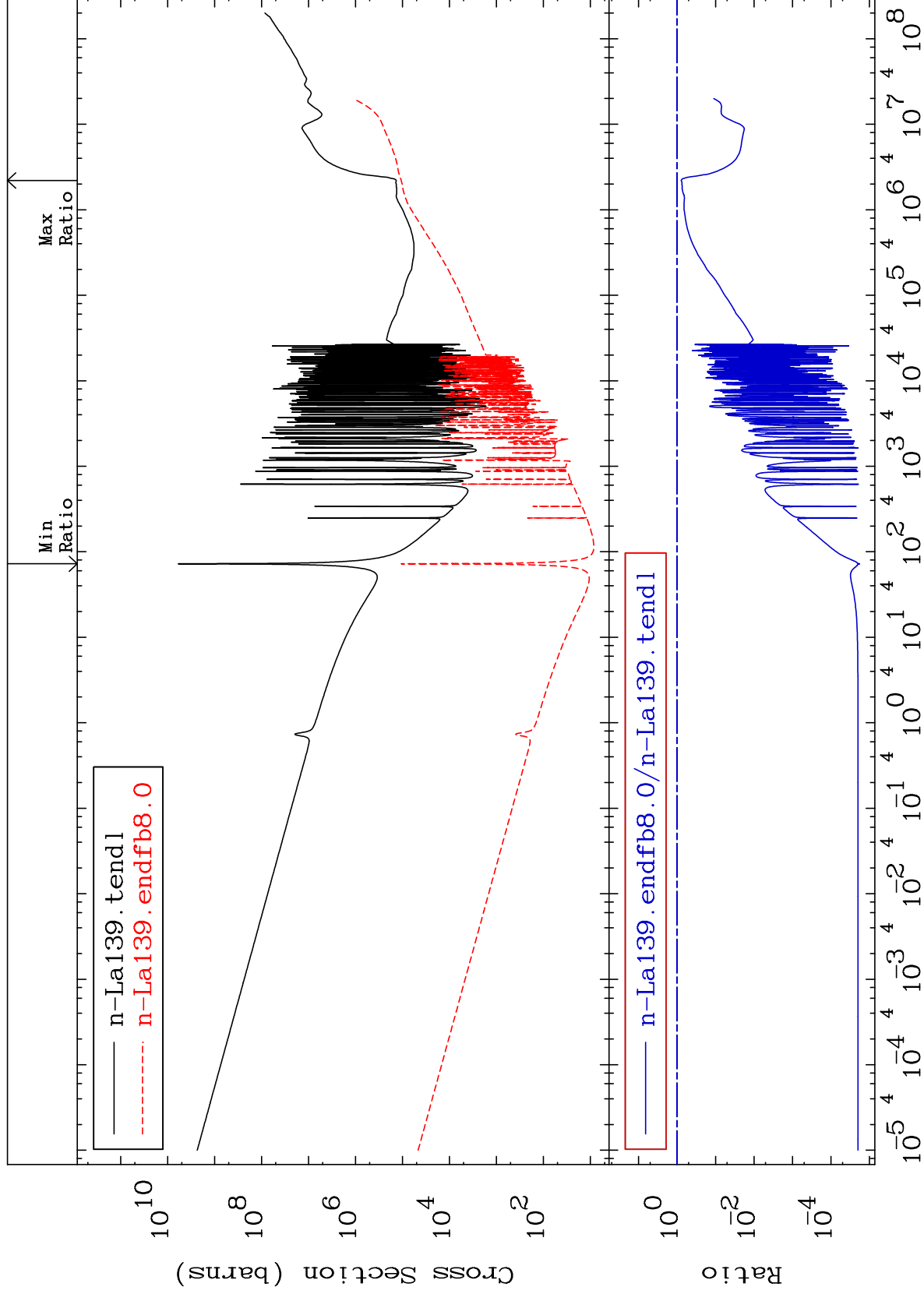
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

57-La-139  
-14.60 To 127.8 %









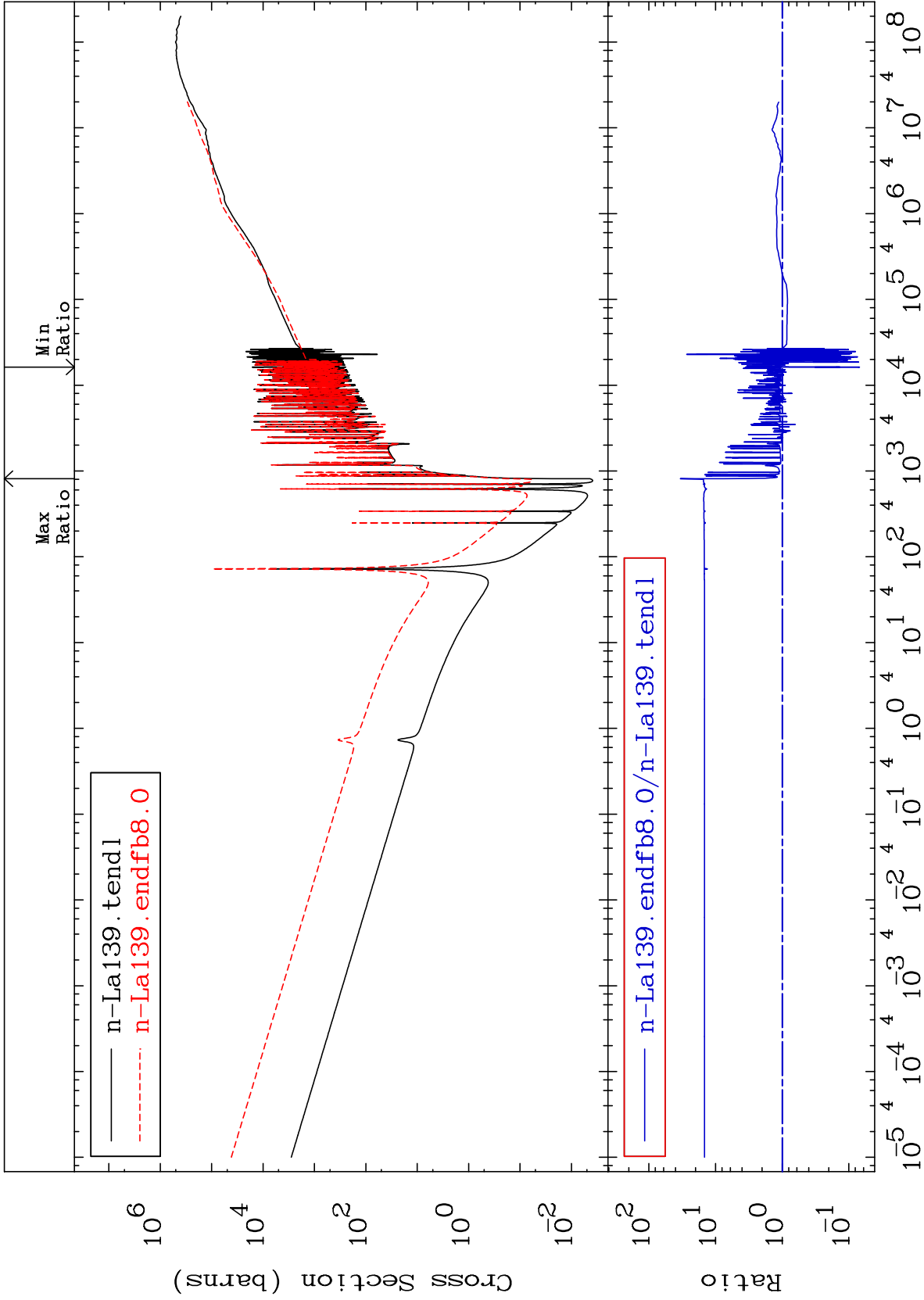
MAT 5728

Dpa total (eV-barns)

57-La-139

-93.07 To 3274. %

Cross Section



39

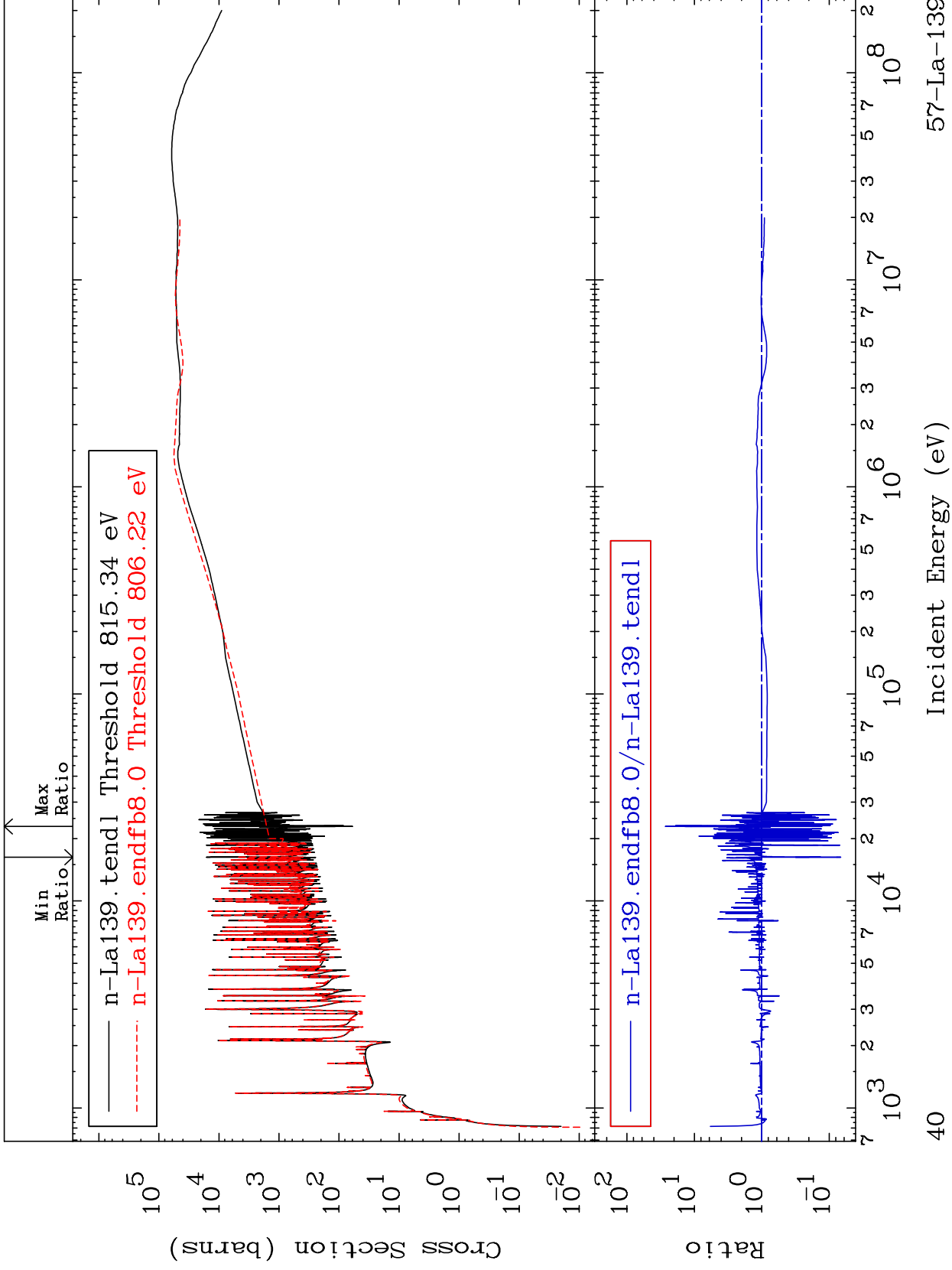
Incident Energy (eV)

57-La-139

MAT 5728

Dpa elastic (mt2)  
Cross Section

57-La-139  
-93.24 To 2581. %



40

57-La-139

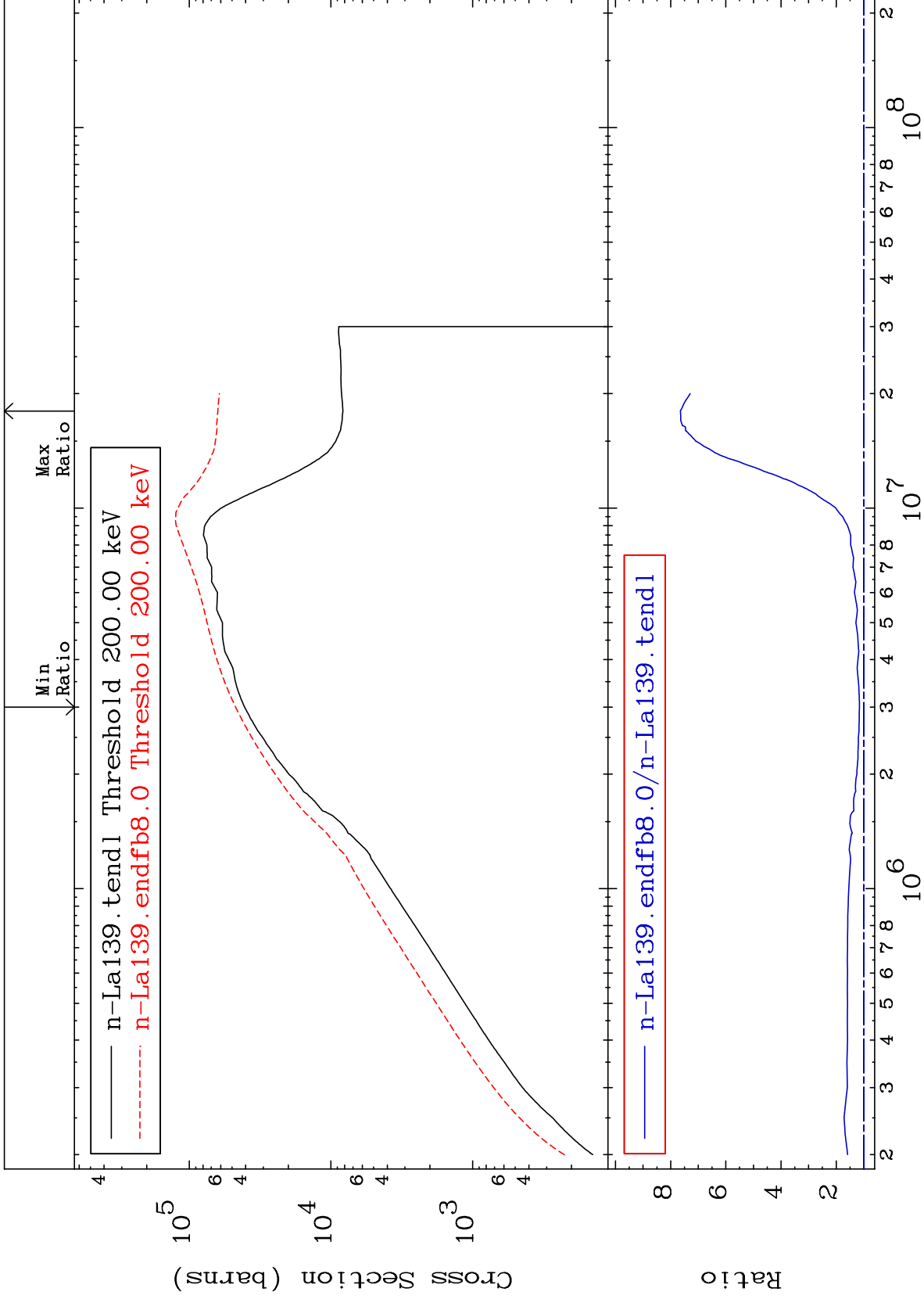
57-La-139



MAT 5728

Dpa inelastic (mt51-91)  
Cross Section

57-La-139  
15.75 To 664.8 %



41

Incident Energy (eV)

57-La-139

