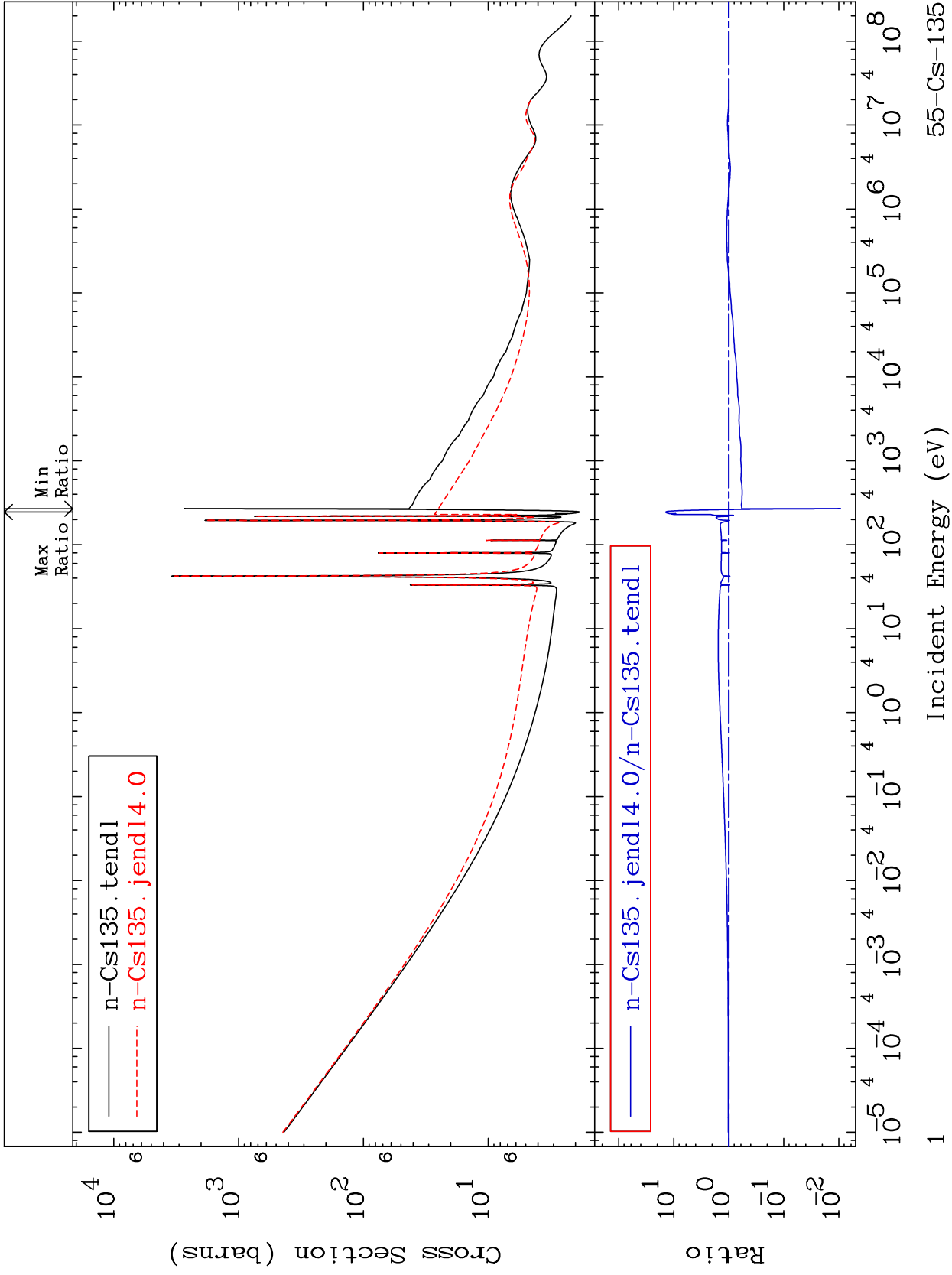


MAT 5531

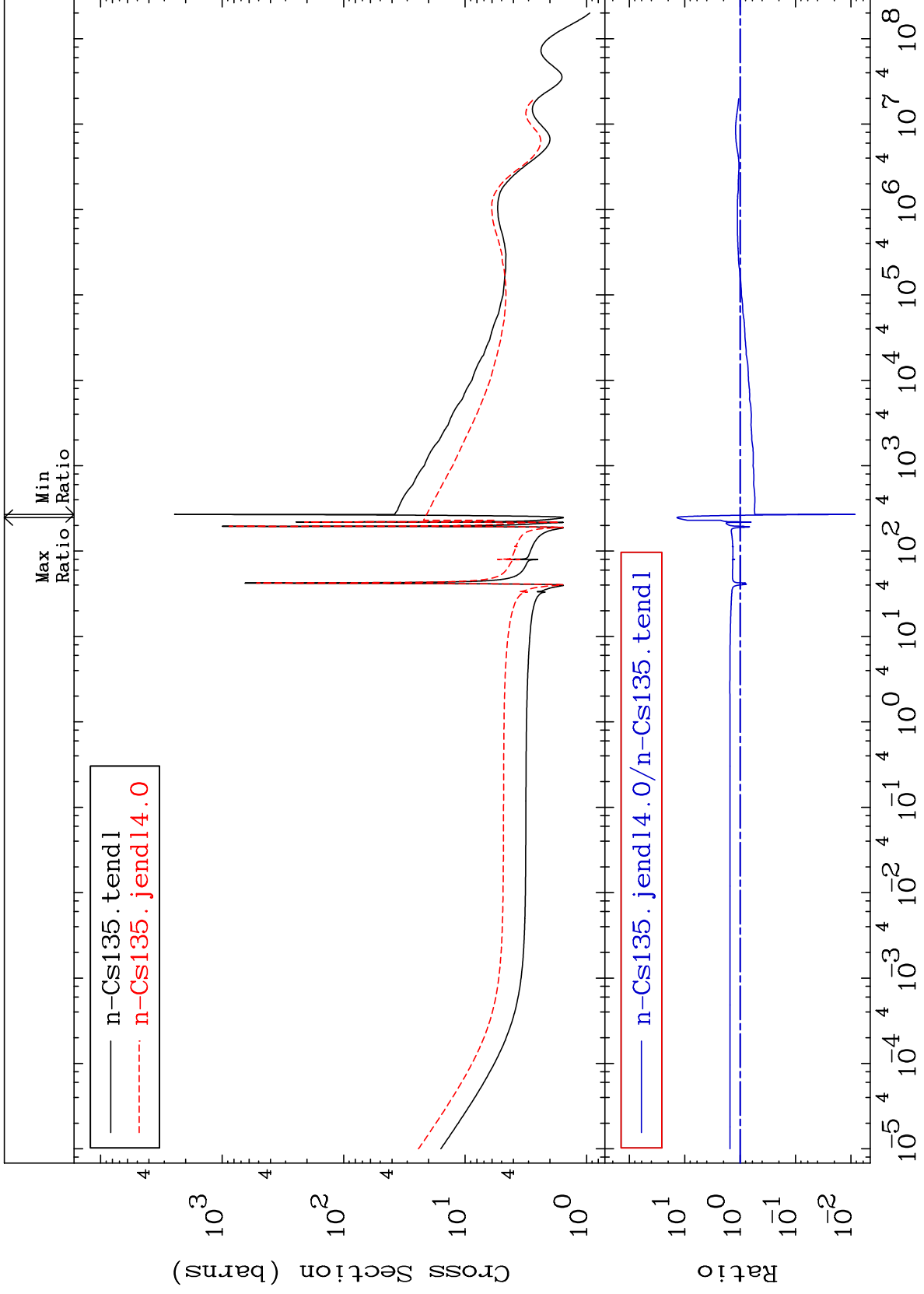
Total Cross Section  
55-Cs-135  
-99.08 To 1316. %



MAT 5531

Elastic  
Cross Section

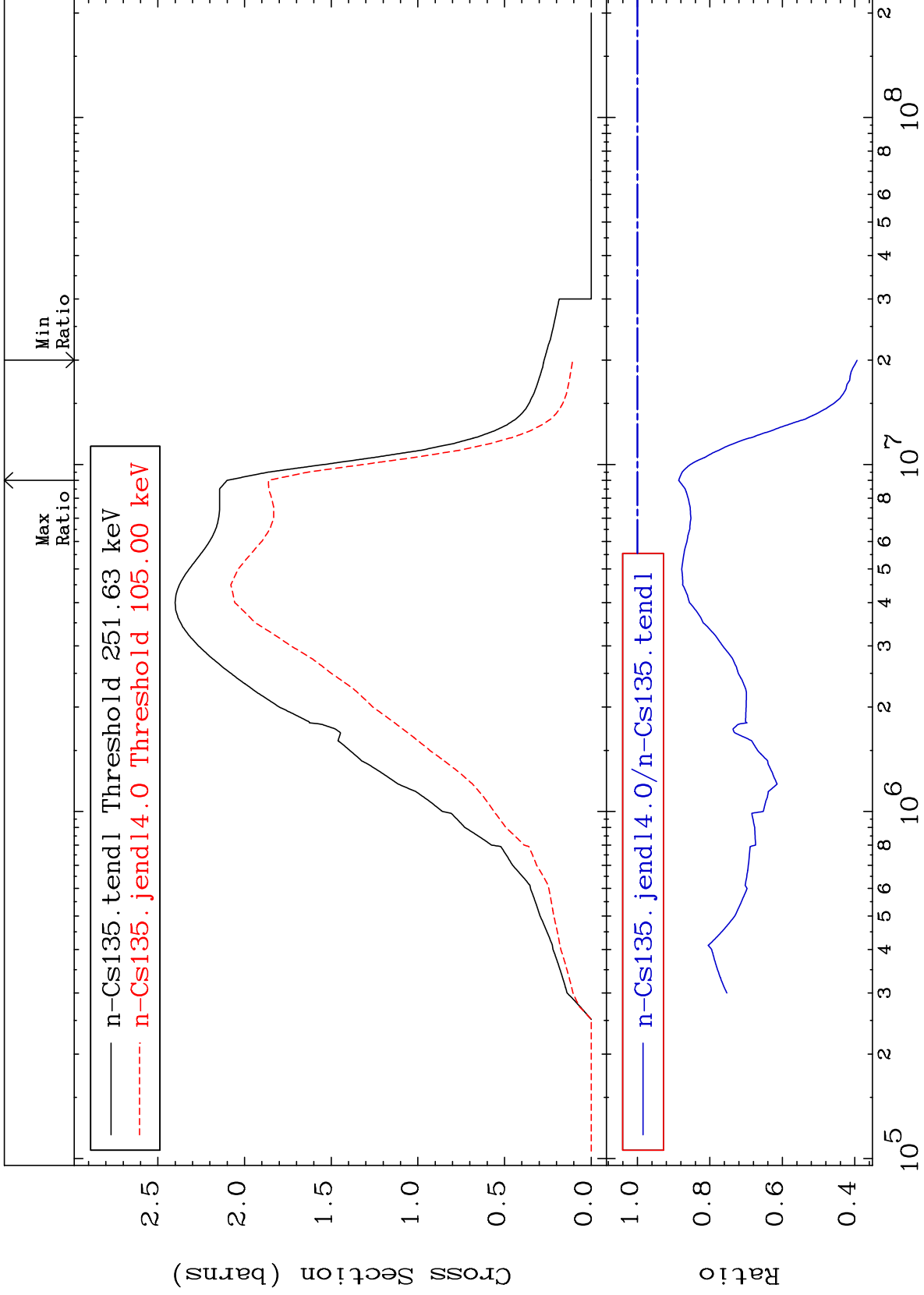
55-Cs-135  
-99.16 To 1286. %



MAT 5531

Inelastic  
Cross Section

55-Cs-135  
-60.66 To -11.38%



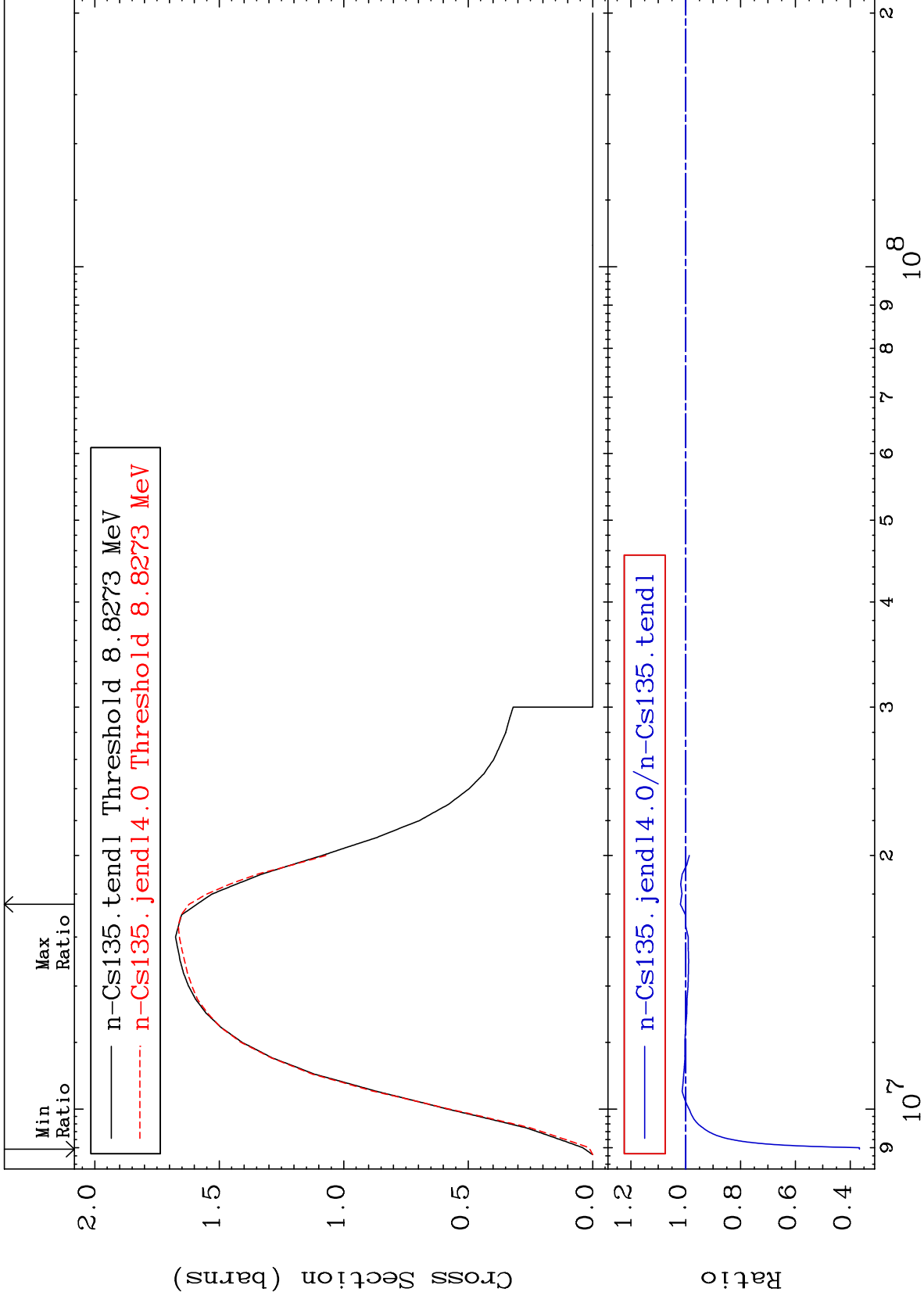
Incident Energy (eV)

55-Cs-135

MAT 5531

(n,2n)  
Cross Section

55-Cs-135  
-63.36 To 1.955 %



4

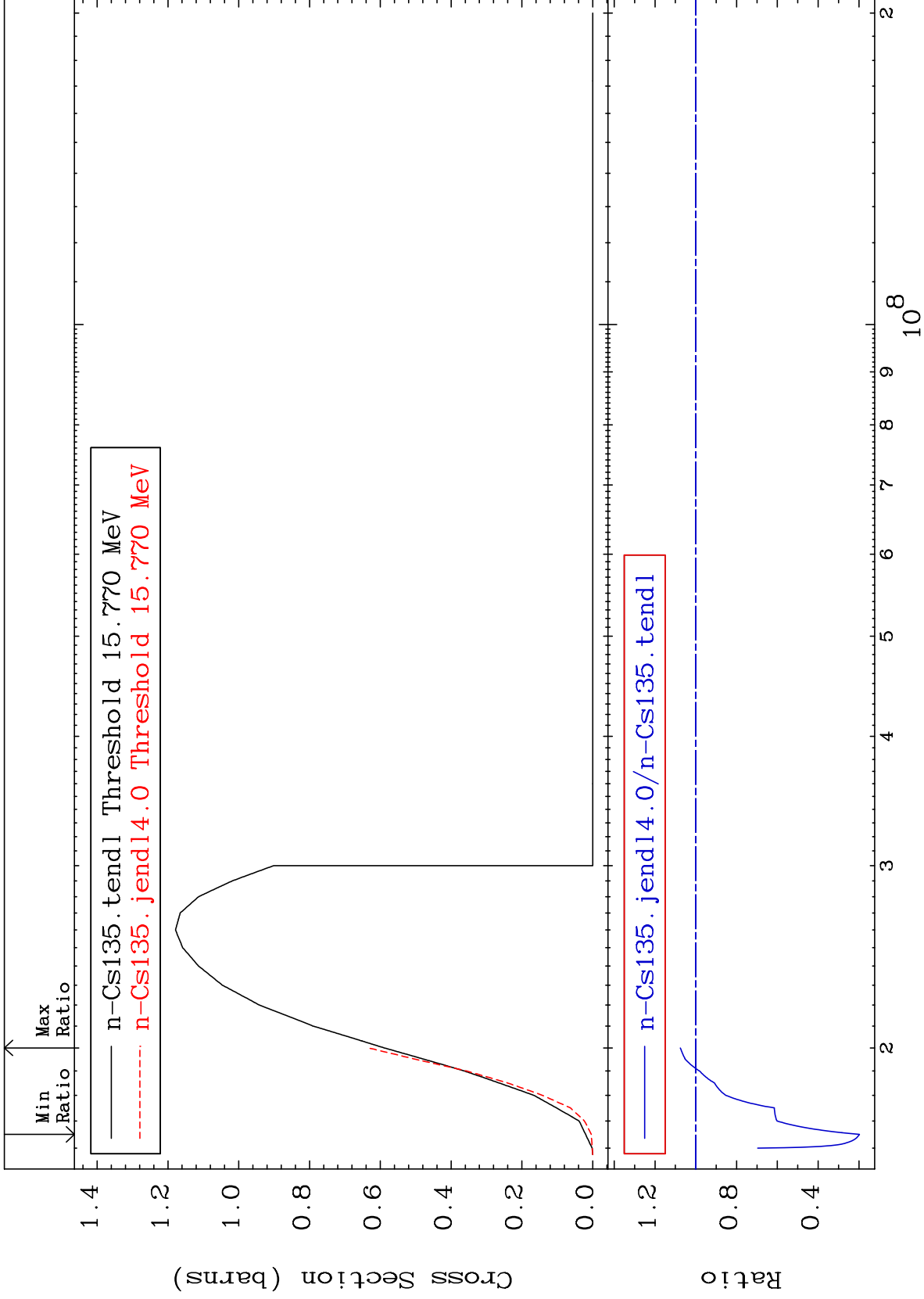
Incident Energy (eV)

55-Cs-135

MAT 5531

(n,3n)  
Cross Section

55-Cs-135  
-80.25 To 7.570 %



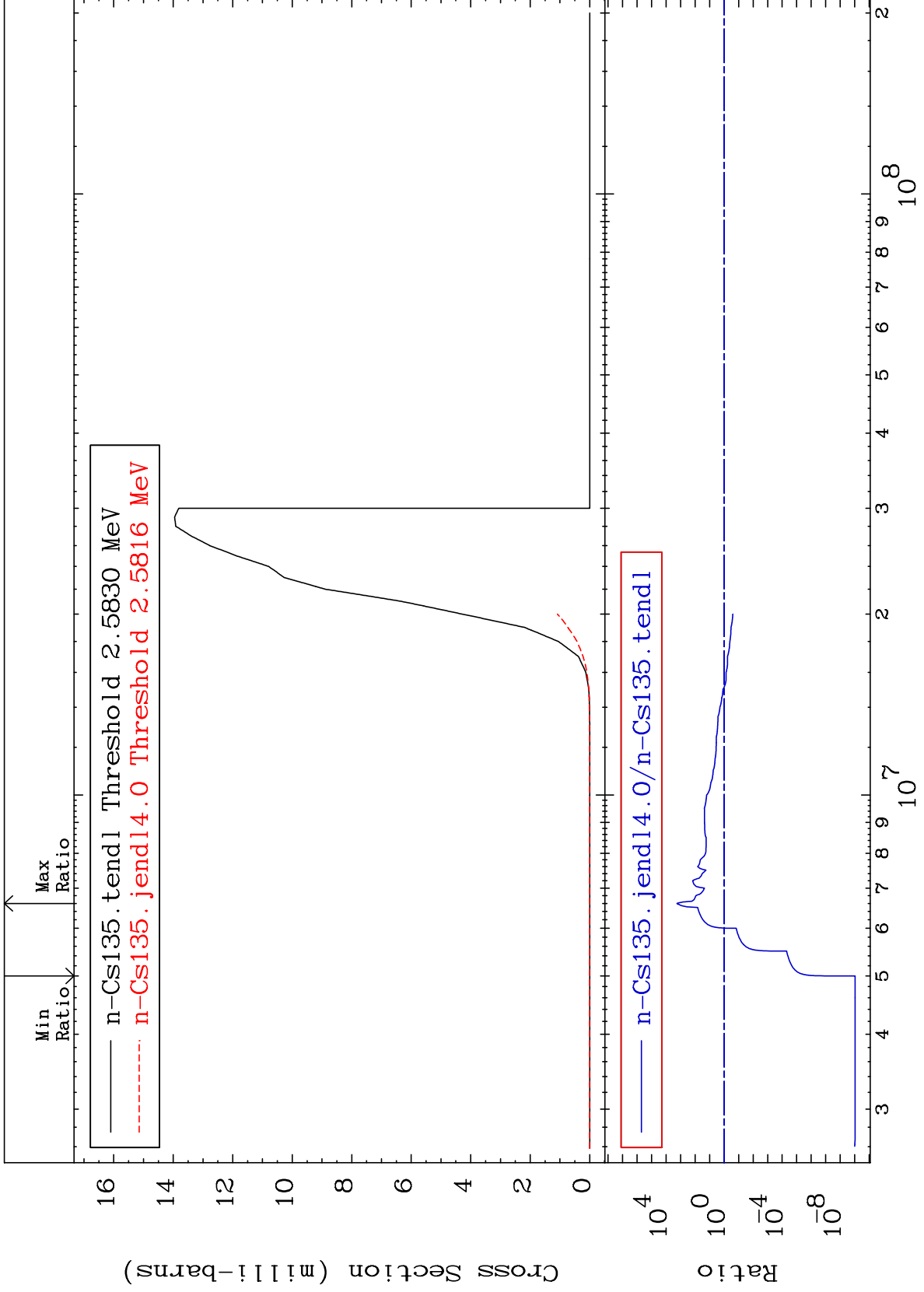
MAT 5531

(n,n')  $\alpha$

55-Cs-135

Cross Section

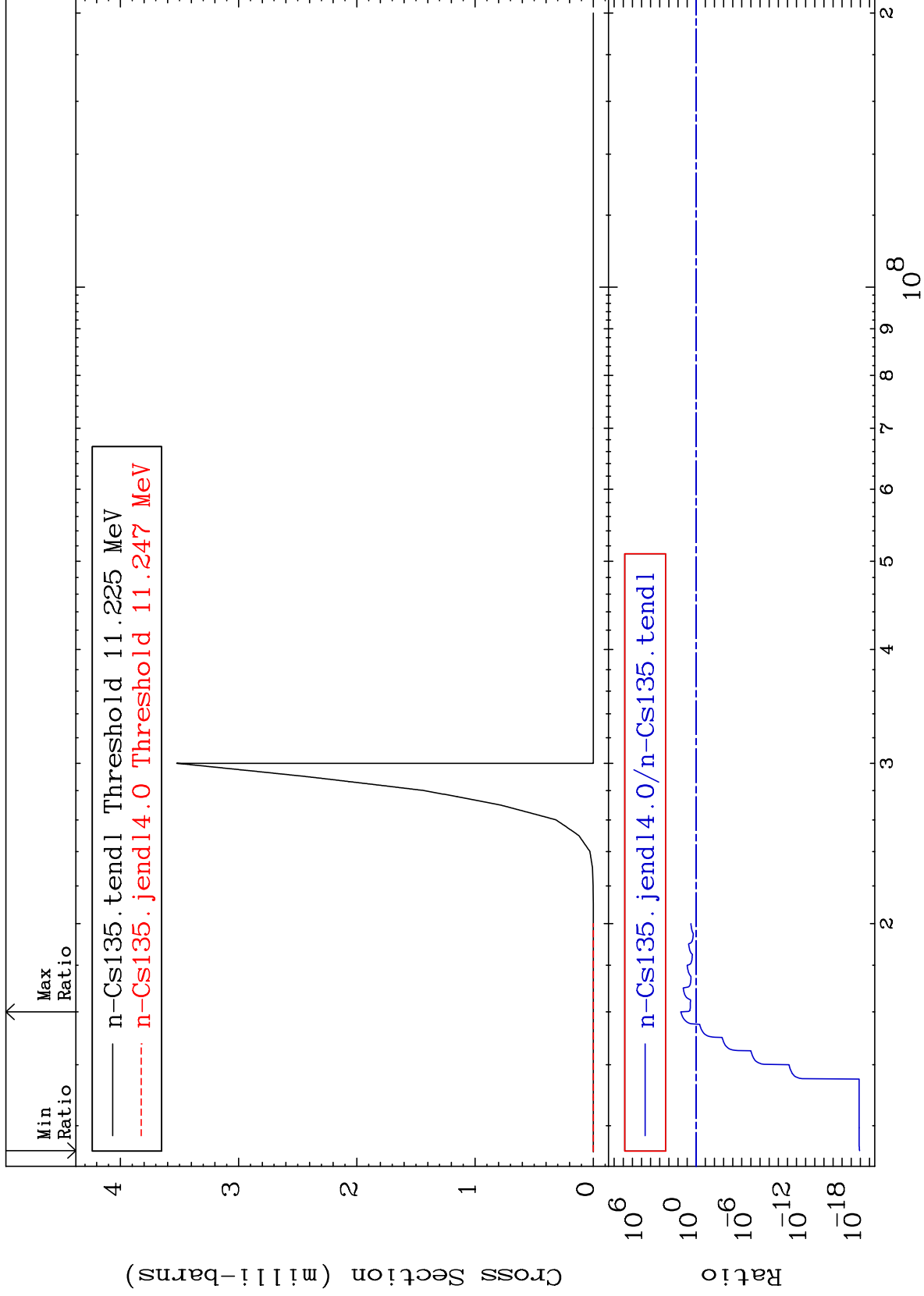
-100.0 To 9999. %



MAT 5531

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

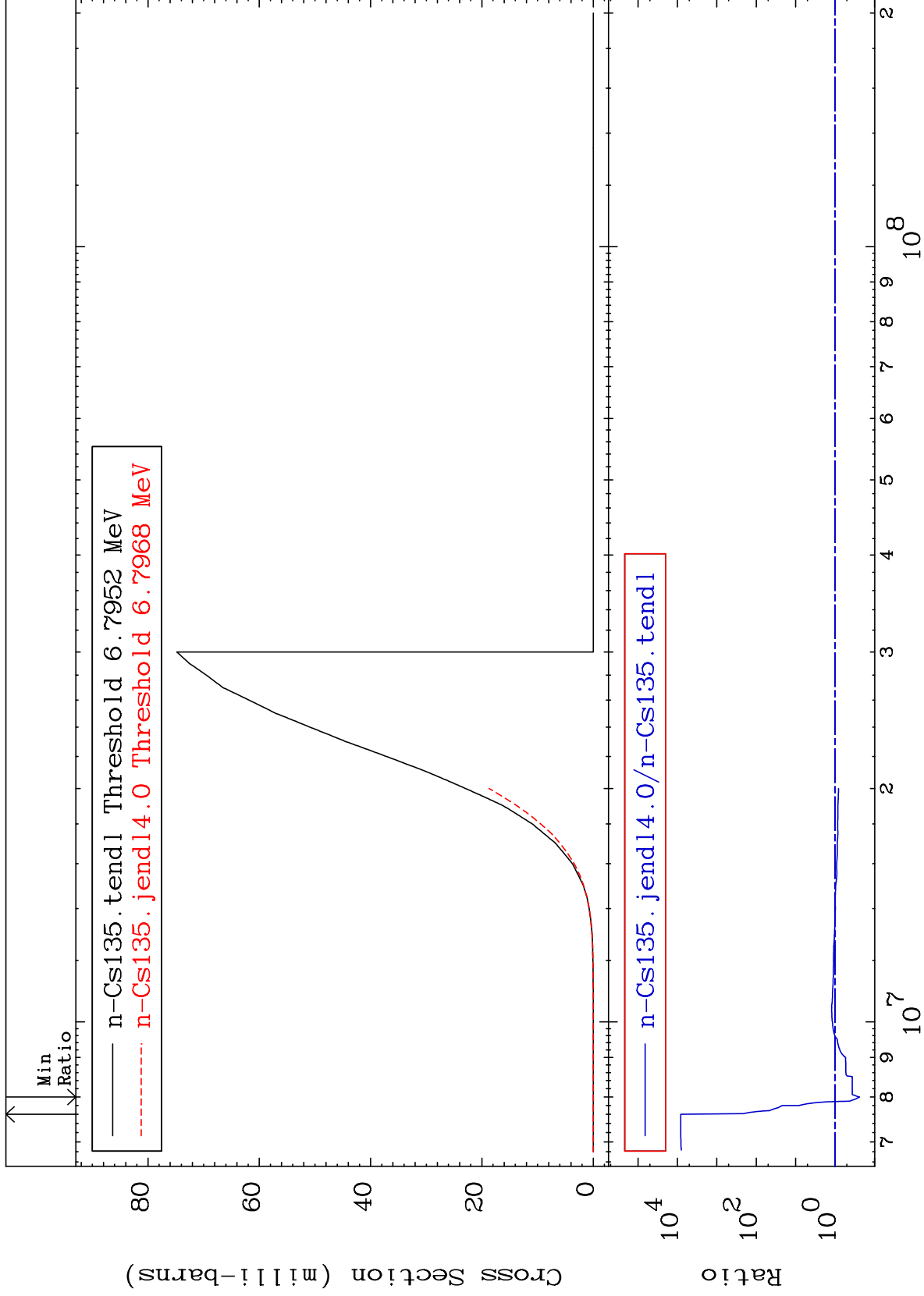
55-Cs-135  
-100.0 To 4853. %



MAT 5531

(n,n') p  
Cross Section

55-Cs-135  
-76.11 To 9999. %



8

Incident Energy (eV)

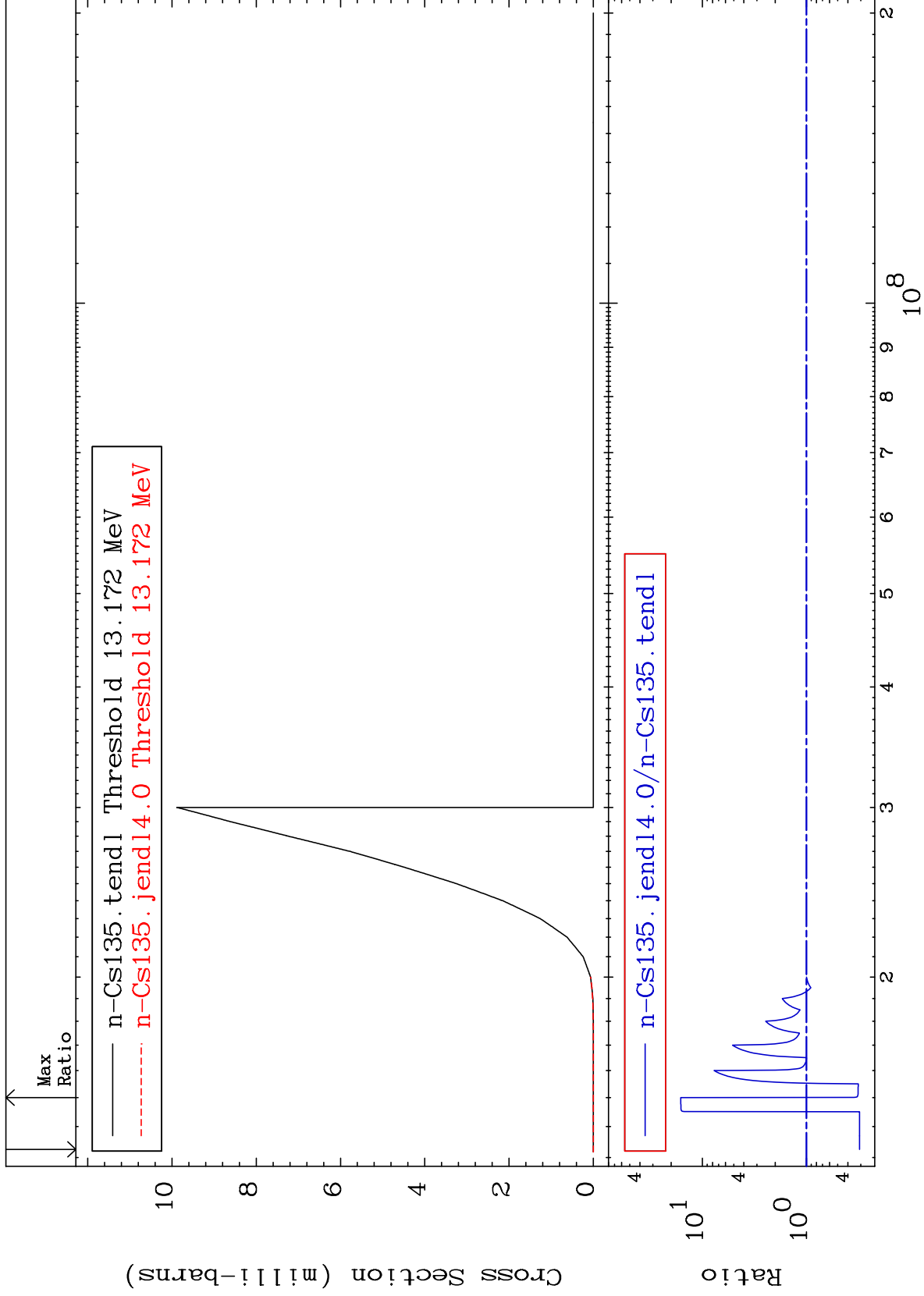
55-Cs-135



MAT 5531

(n,n') d  
Cross Section

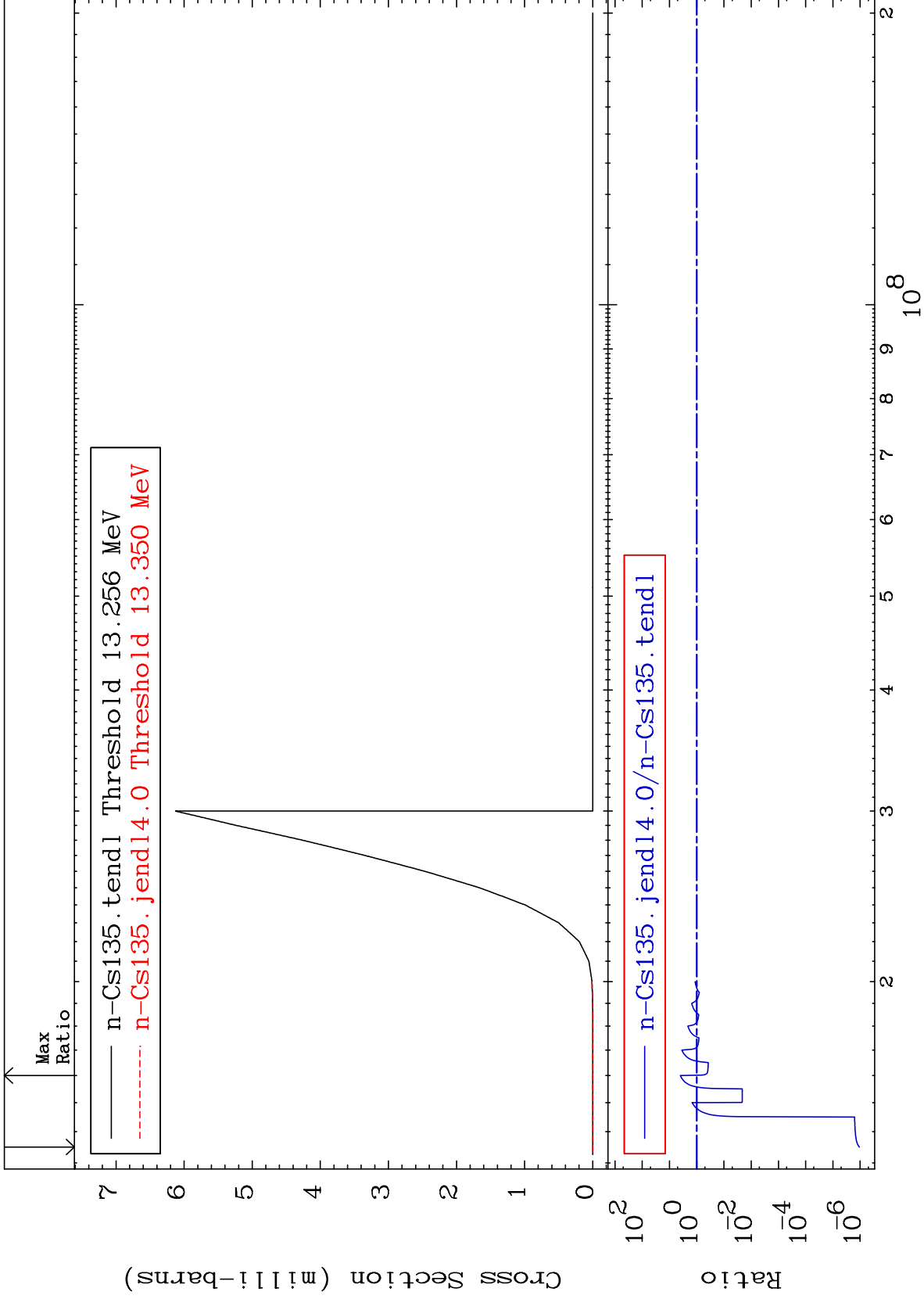
55-Cs-135  
-69.14 To 1516. %



MAT 5531

(n,n') t  
Cross Section

55-Cs-135  
-100.0 To 298.5 %



10

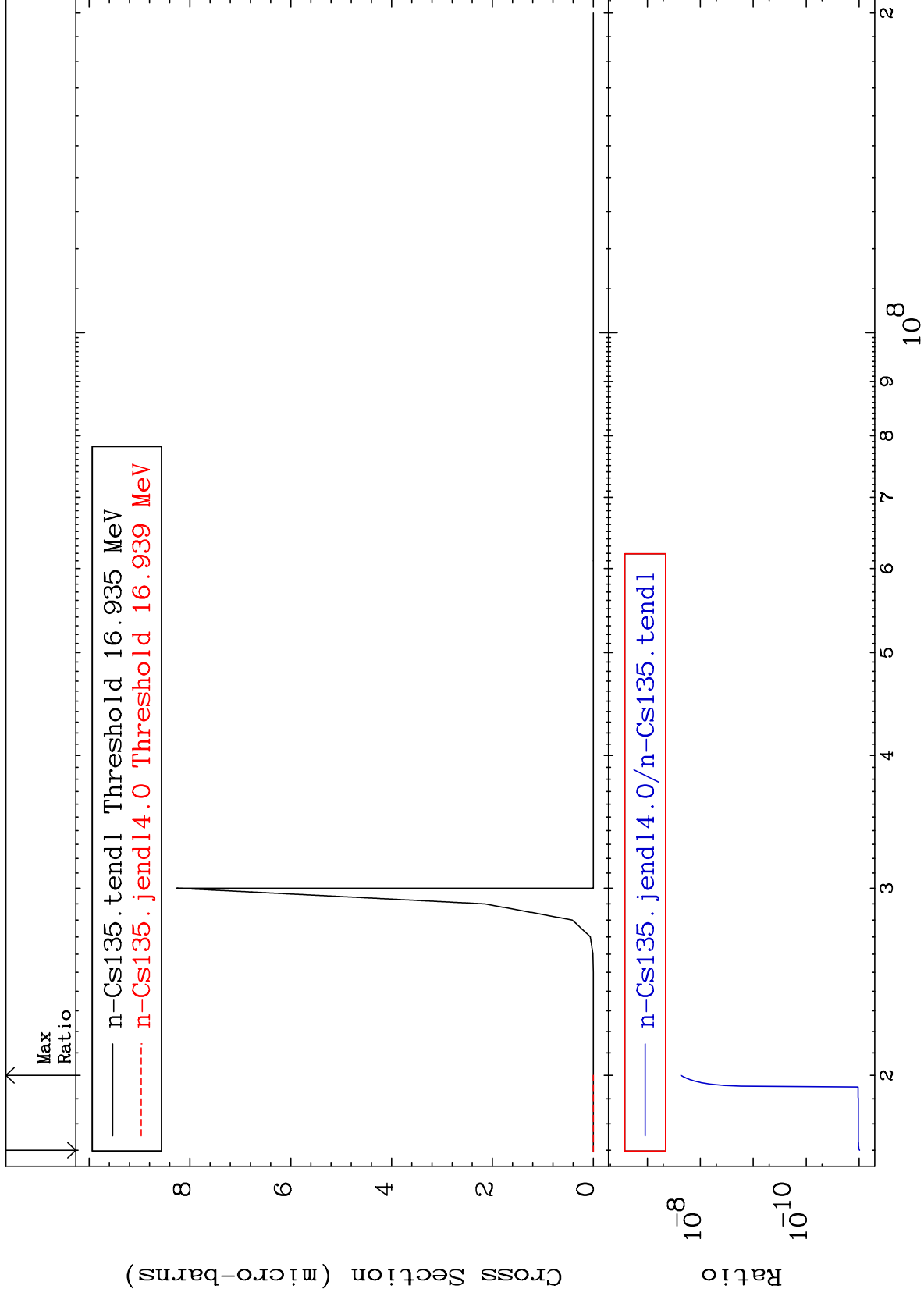
Incident Energy (eV)

55-Cs-135

MAT 5531

(n, n') He-3  
Cross Section

55-Cs-135  
-100.0 To -100.0%



11

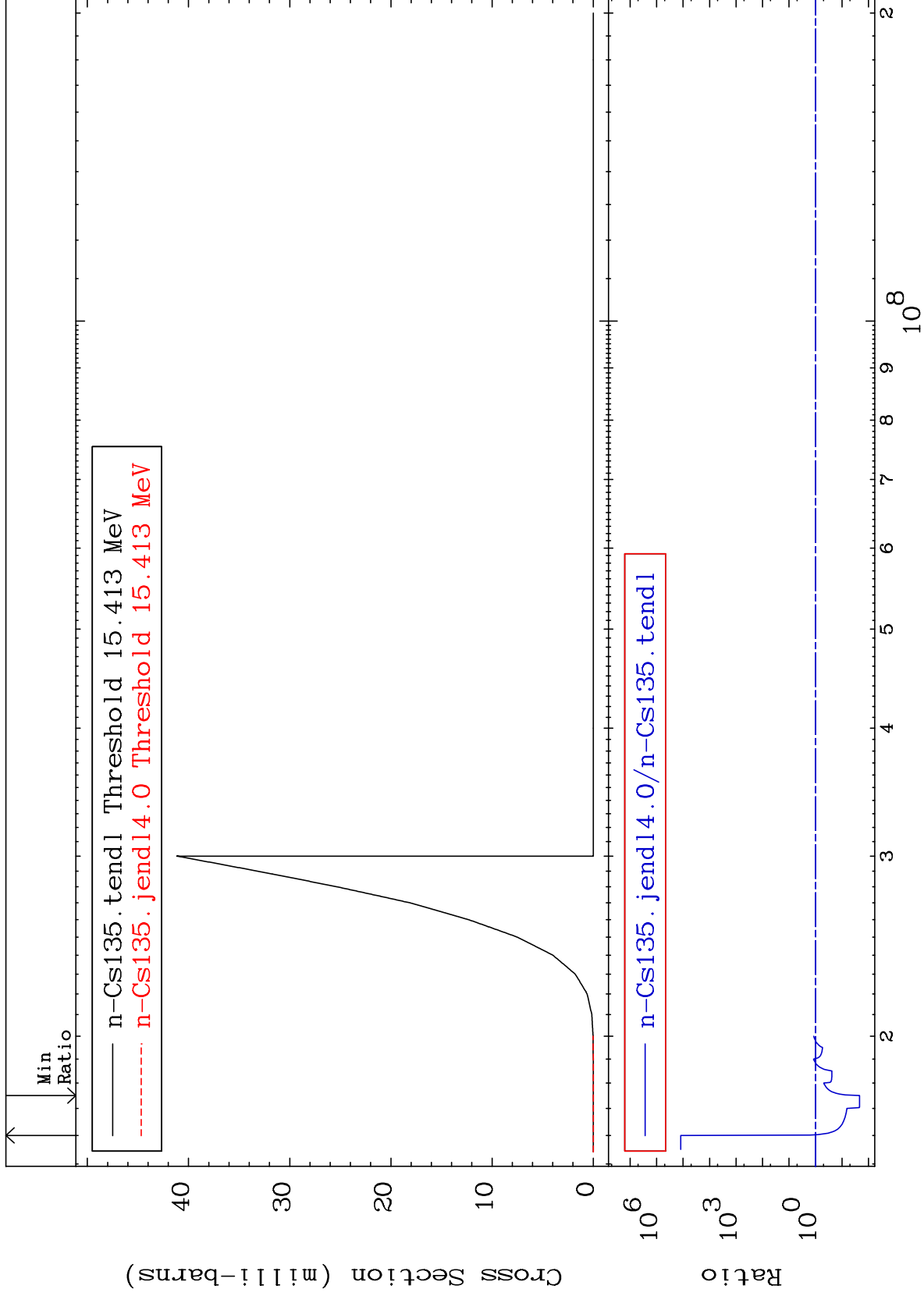
Incident Energy (eV)

55-Cs-135

MAT 5531

(n,2n) p  
Cross Section

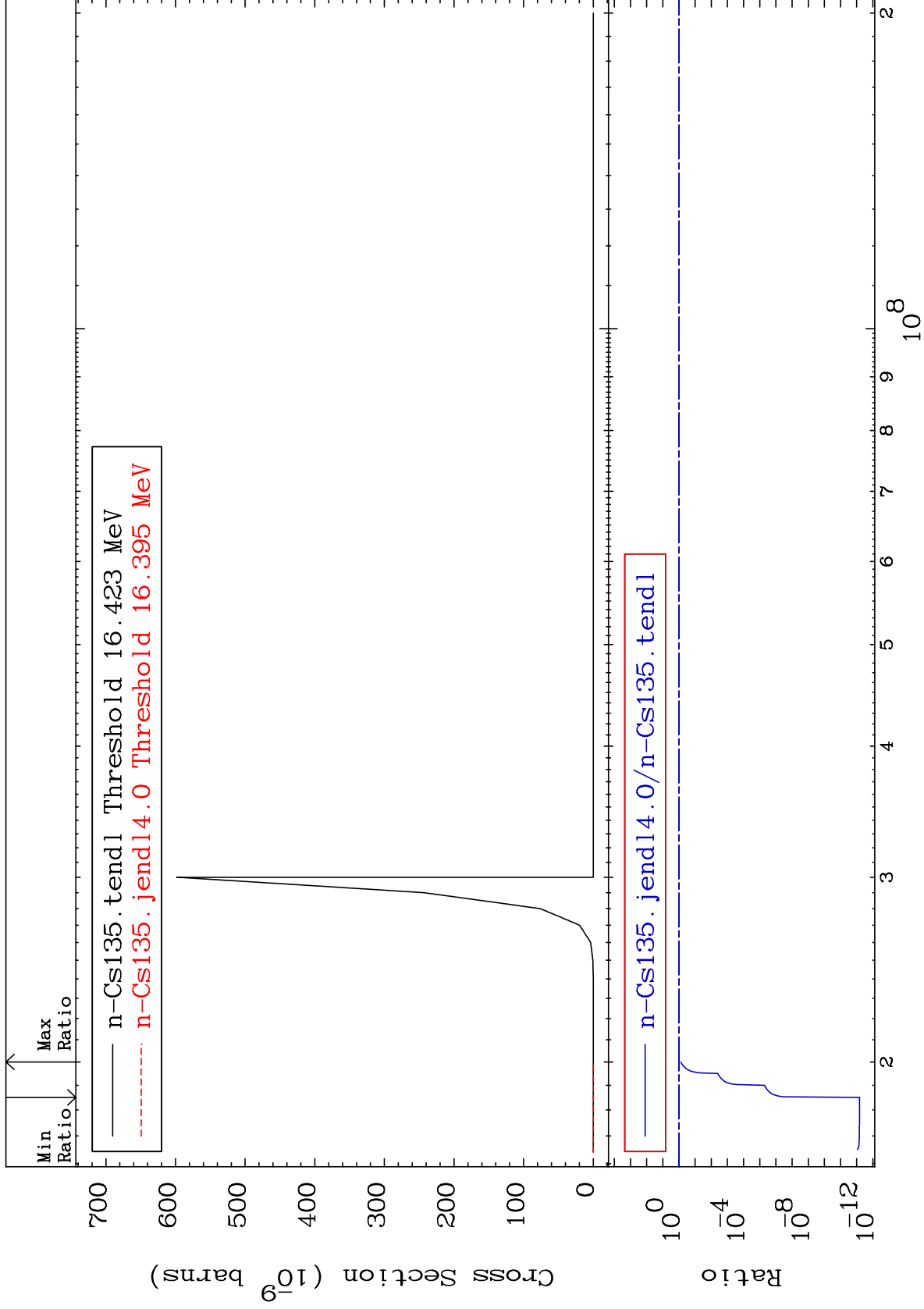
55-Cs-135  
-97.82 To 9999. %



MAT 5531

(n,2n) p  
Cross Section

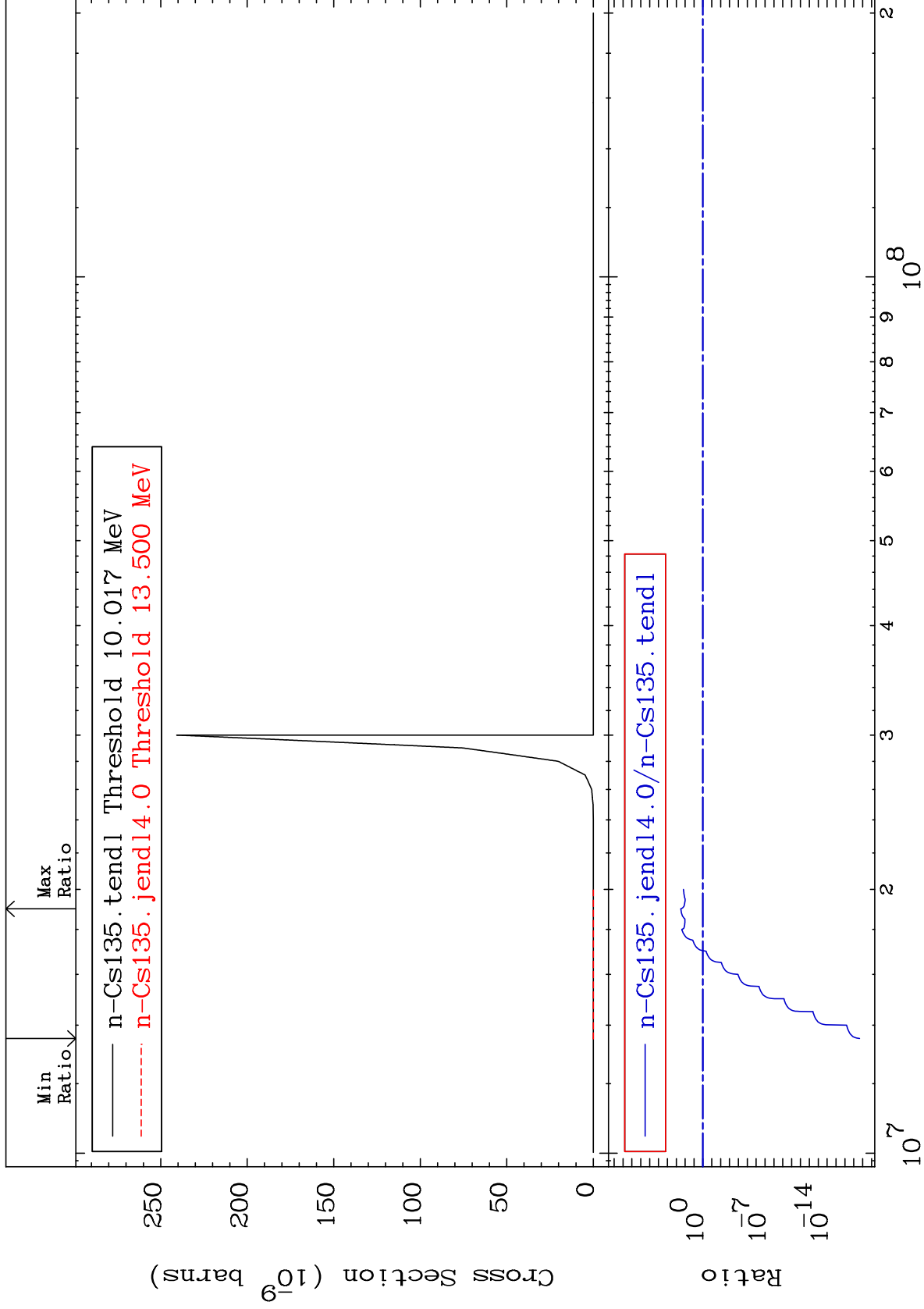
55-Cs-135  
-100.0 To -22.68%



MAT 5531

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

55-Cs-135  
-100.0 To 9999. %



14

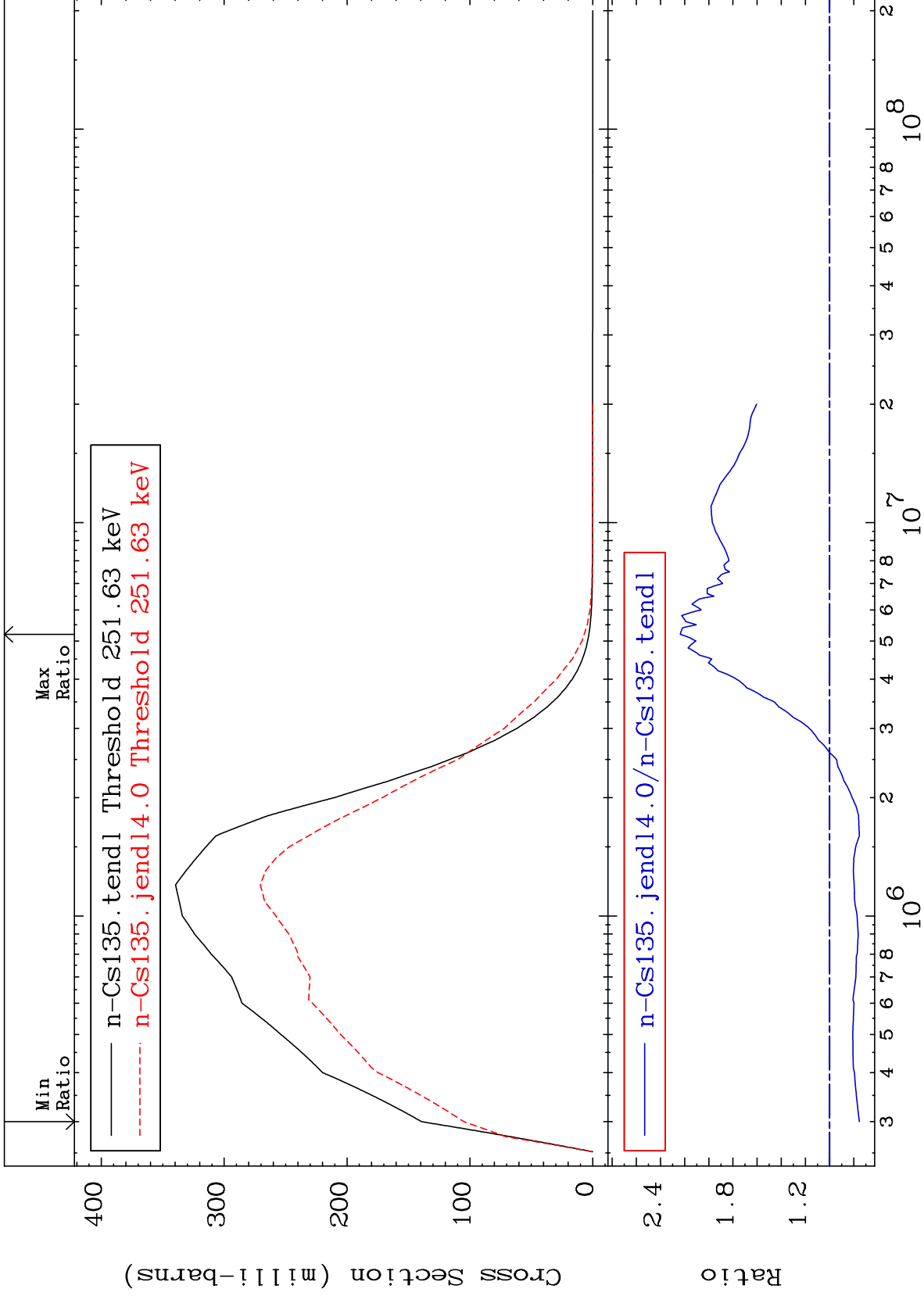
Incident Energy (eV)

55-Cs-135

MAT 5531

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

55-Cs-135  
-24.66 To 123.5 %



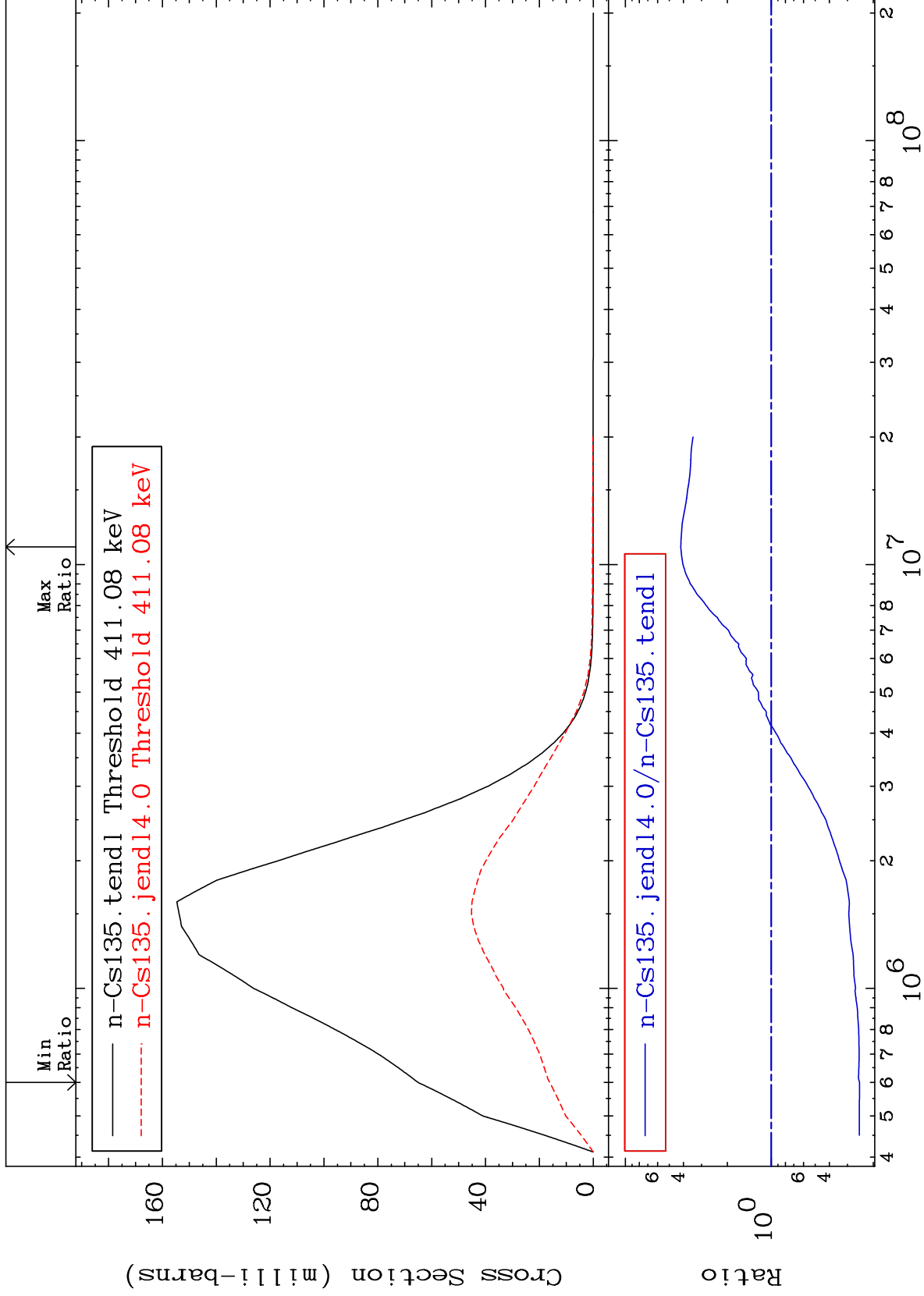
15

55-Cs-135

MAT 5531

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

55-Cs-135  
-75.17 To 316.5 %



16

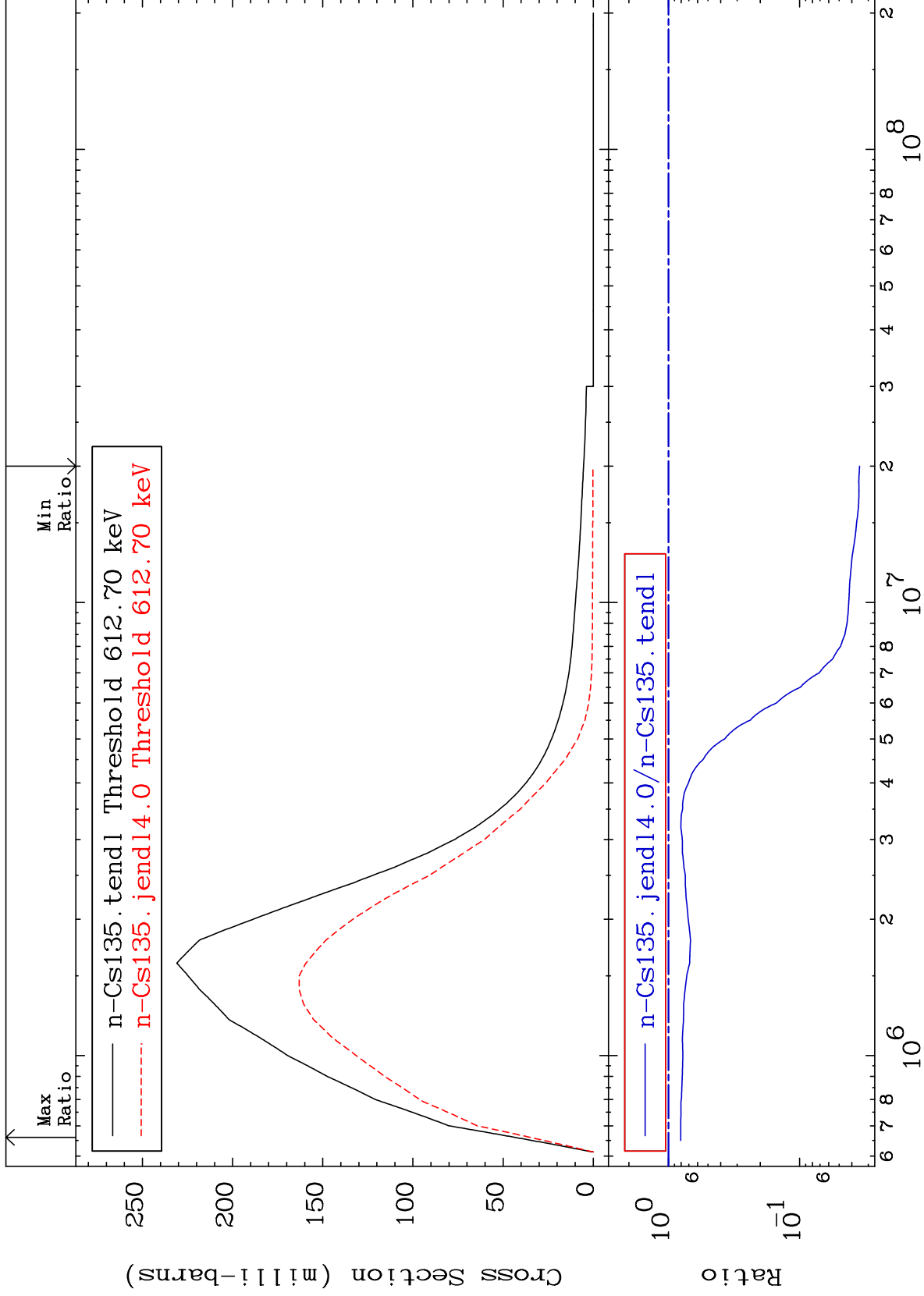
55-Cs-135



MAT 5531

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

55-Cs-135  
-96.50 To -19.49%



17

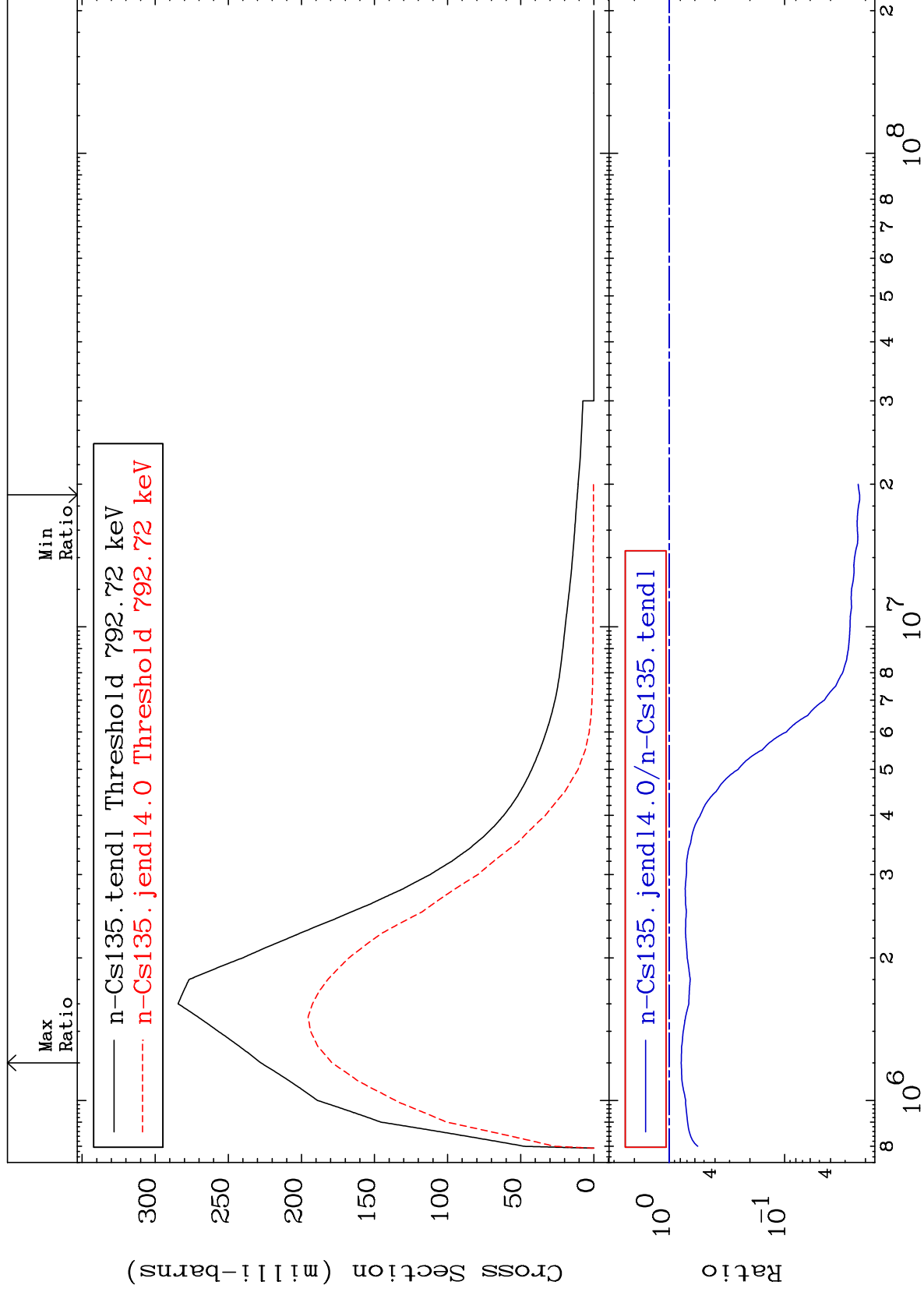
Incident Energy (eV)

55-Cs-135

MAT 5531

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

55-Cs-135  
-97.76 To -21.36%



18

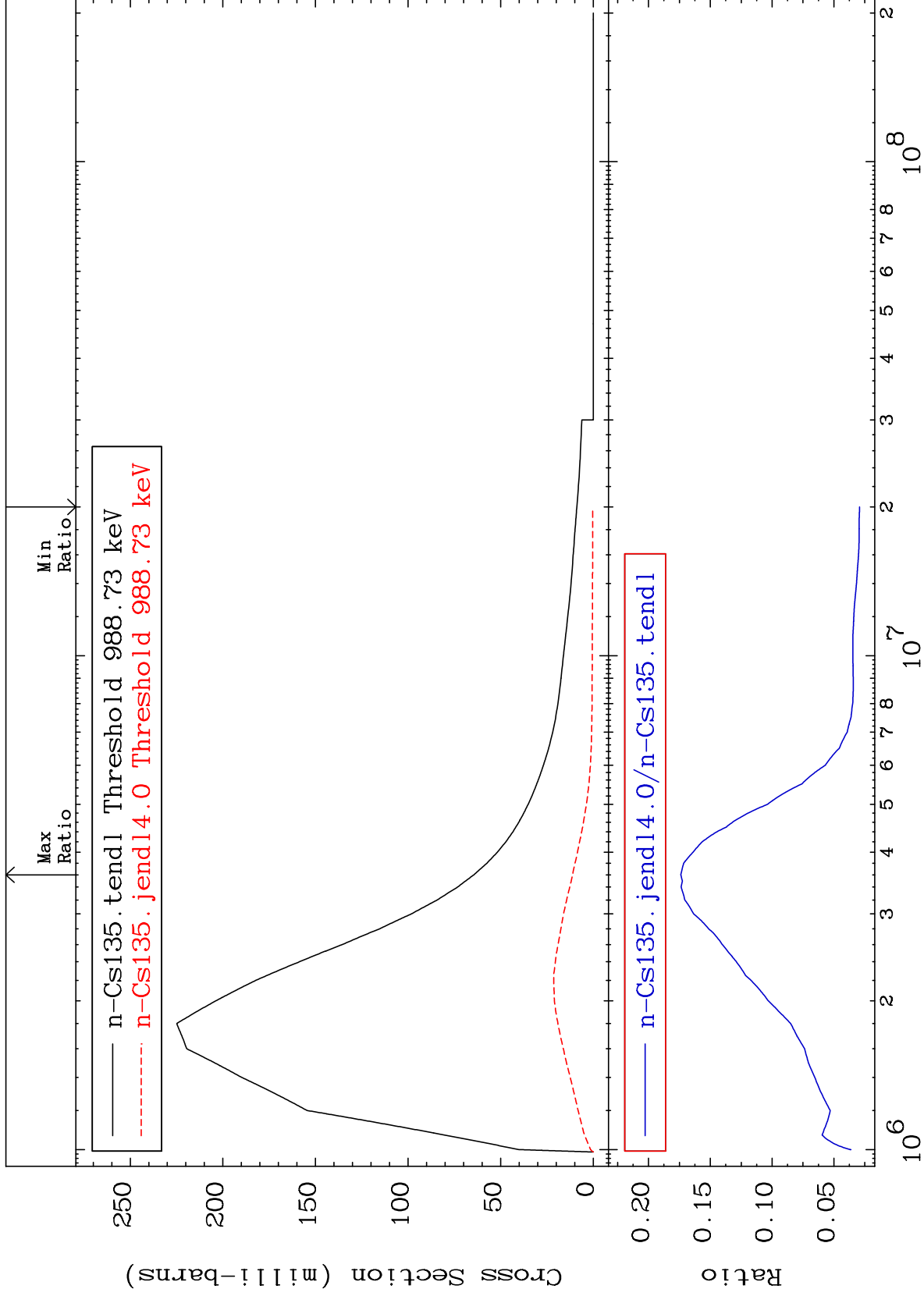
Incident Energy (eV)

55-Cs-135

MAT 5531

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

55-Cs-135  
-97.07 To -82.61%



19

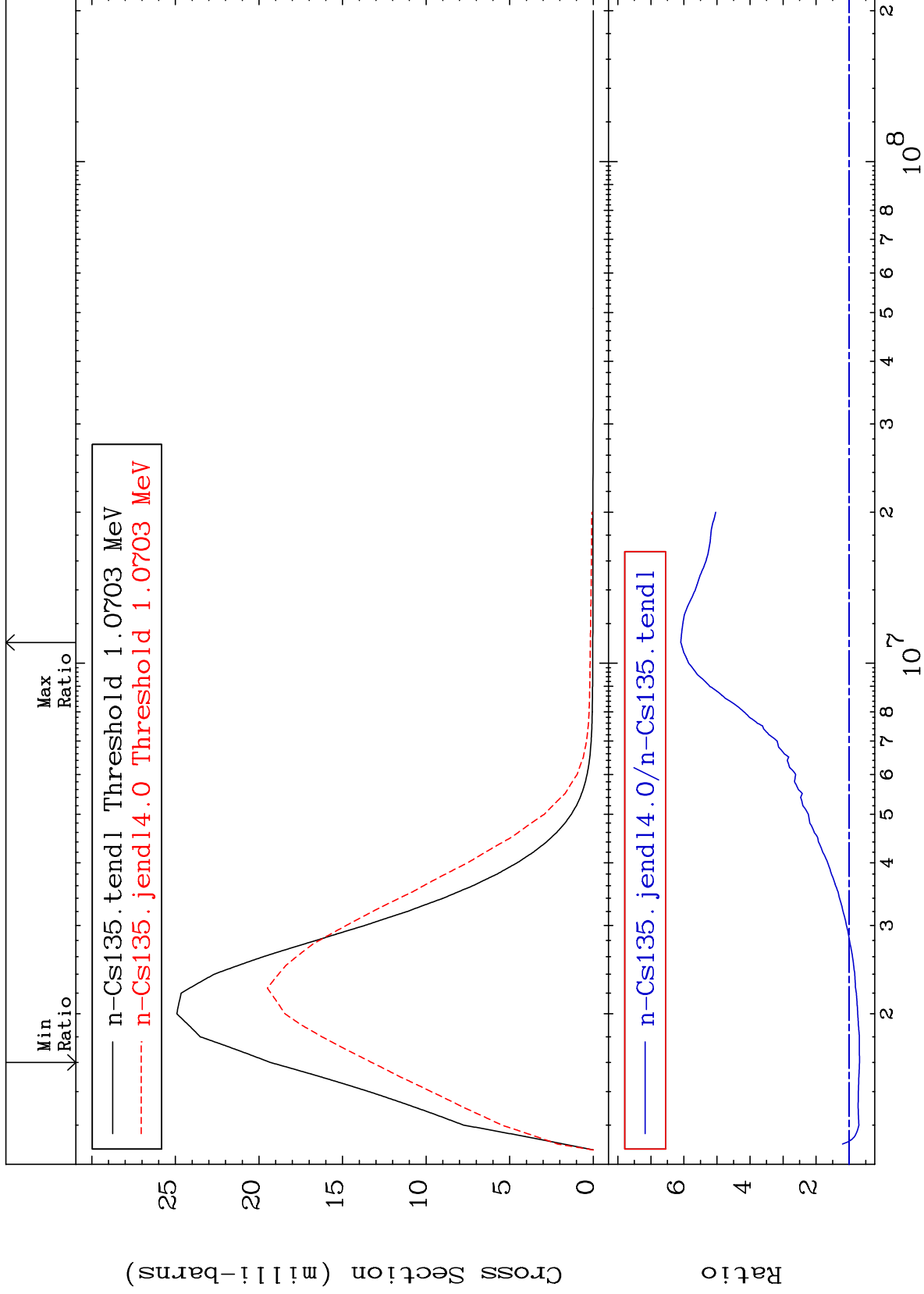
Incident Energy (eV)

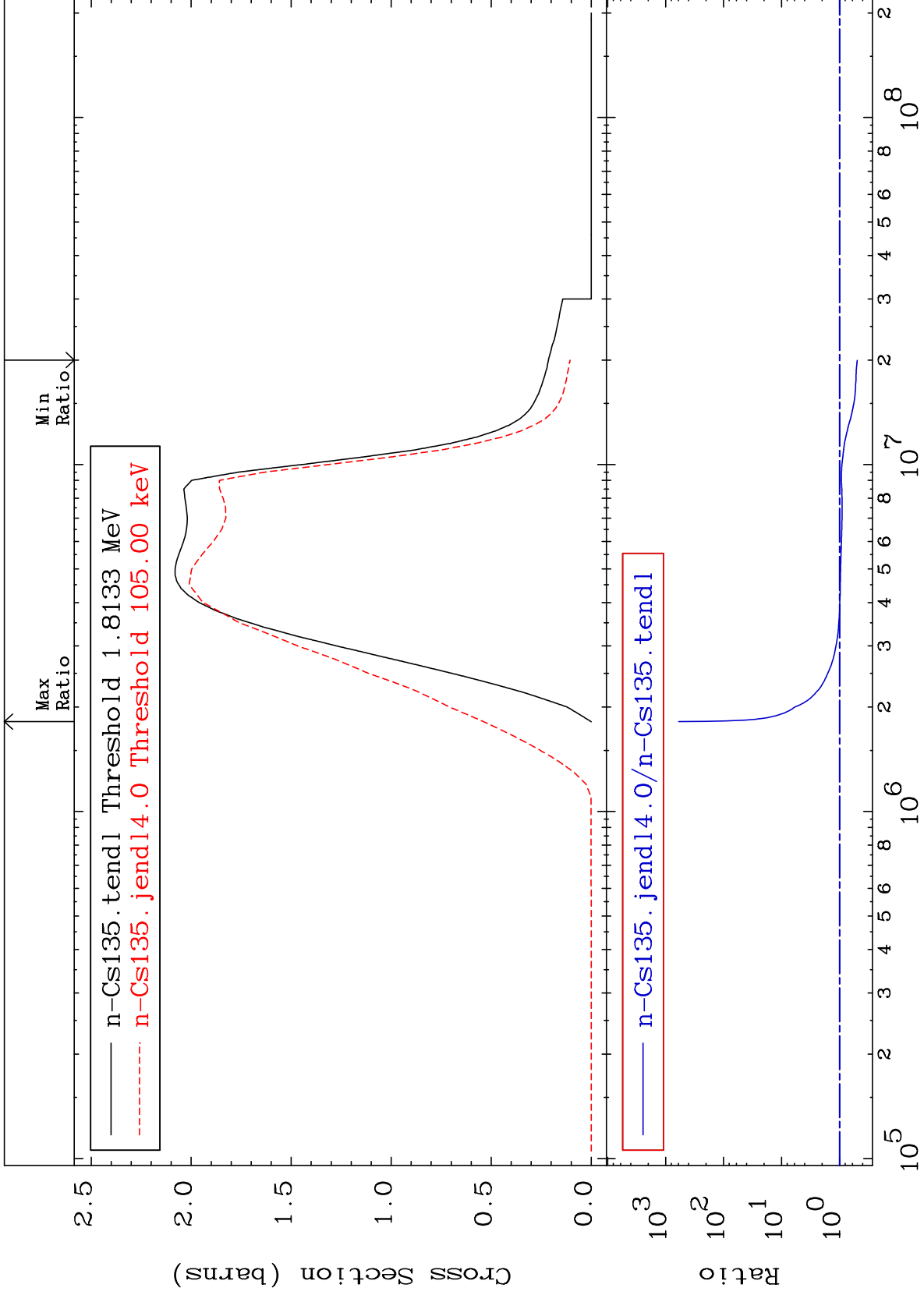
55-Cs-135

MAT 5531

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

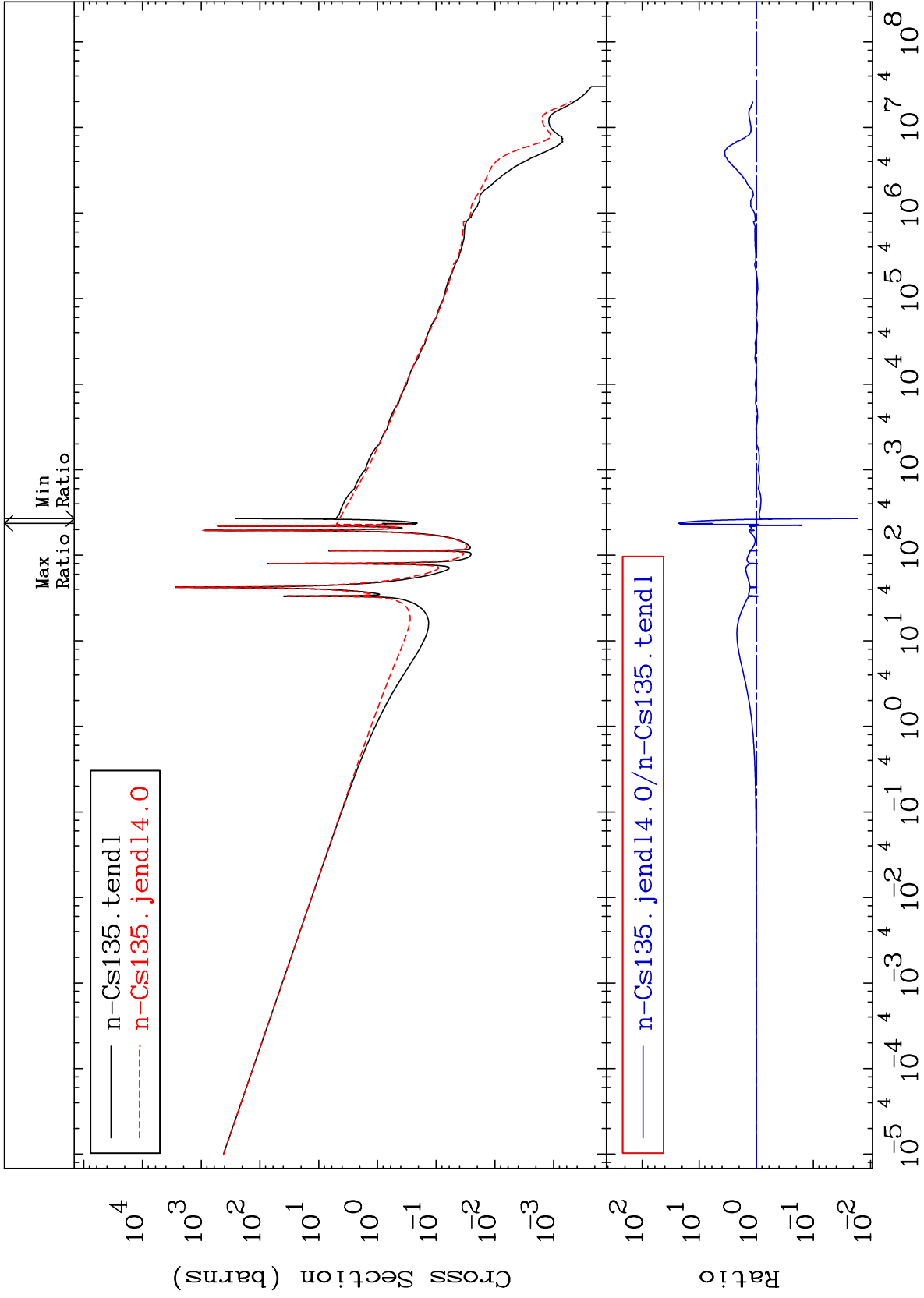
55-Cs-135  
-31.39 To 509.6 %





MAT 5531

(n,  $\gamma$ )  
Cross Section  
55-Cs-135  
-98.29 To 2199. %



22

Incident Energy (eV)

55-Cs-135

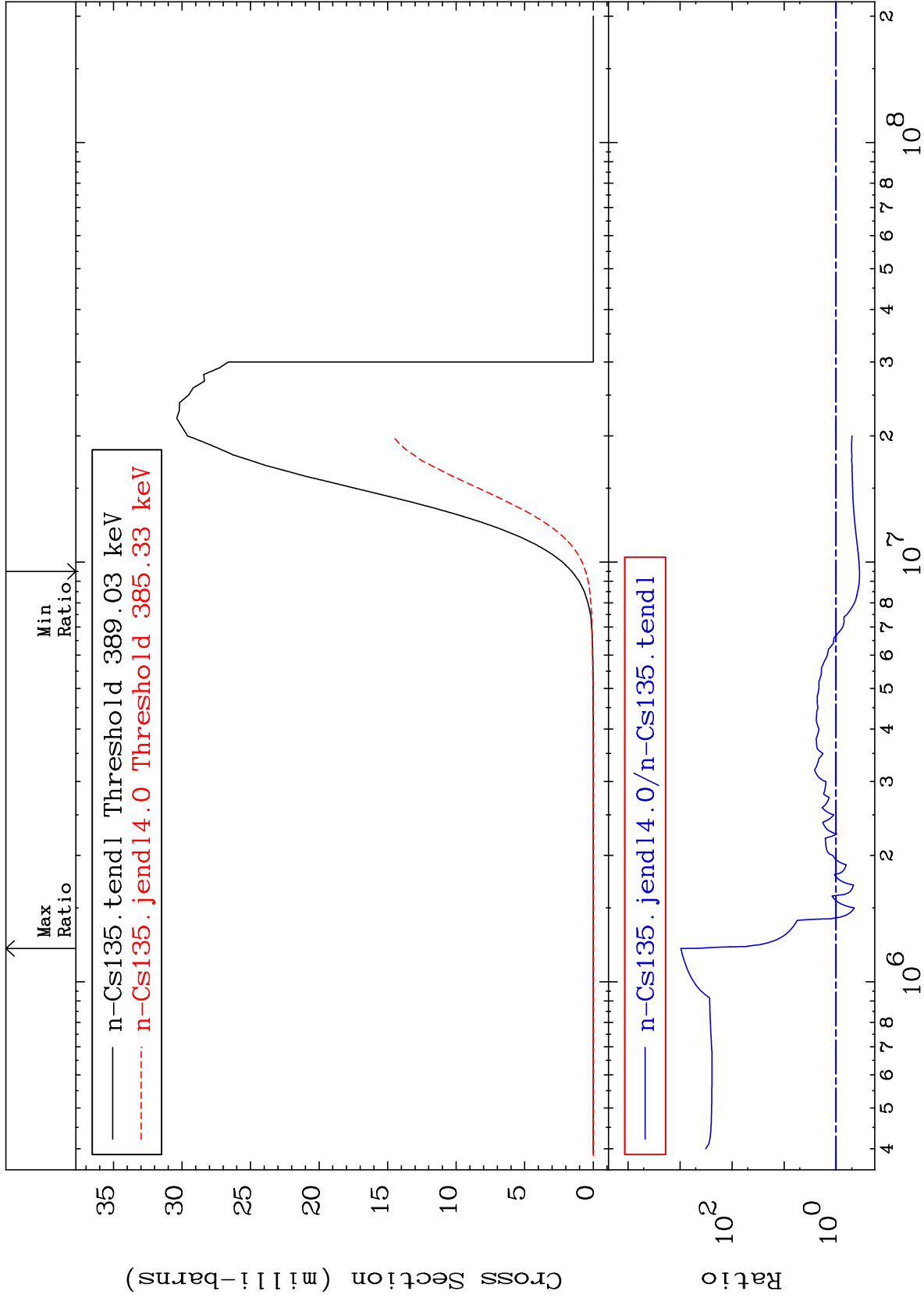
MAT 5531

(n,p)

55-Cs-135

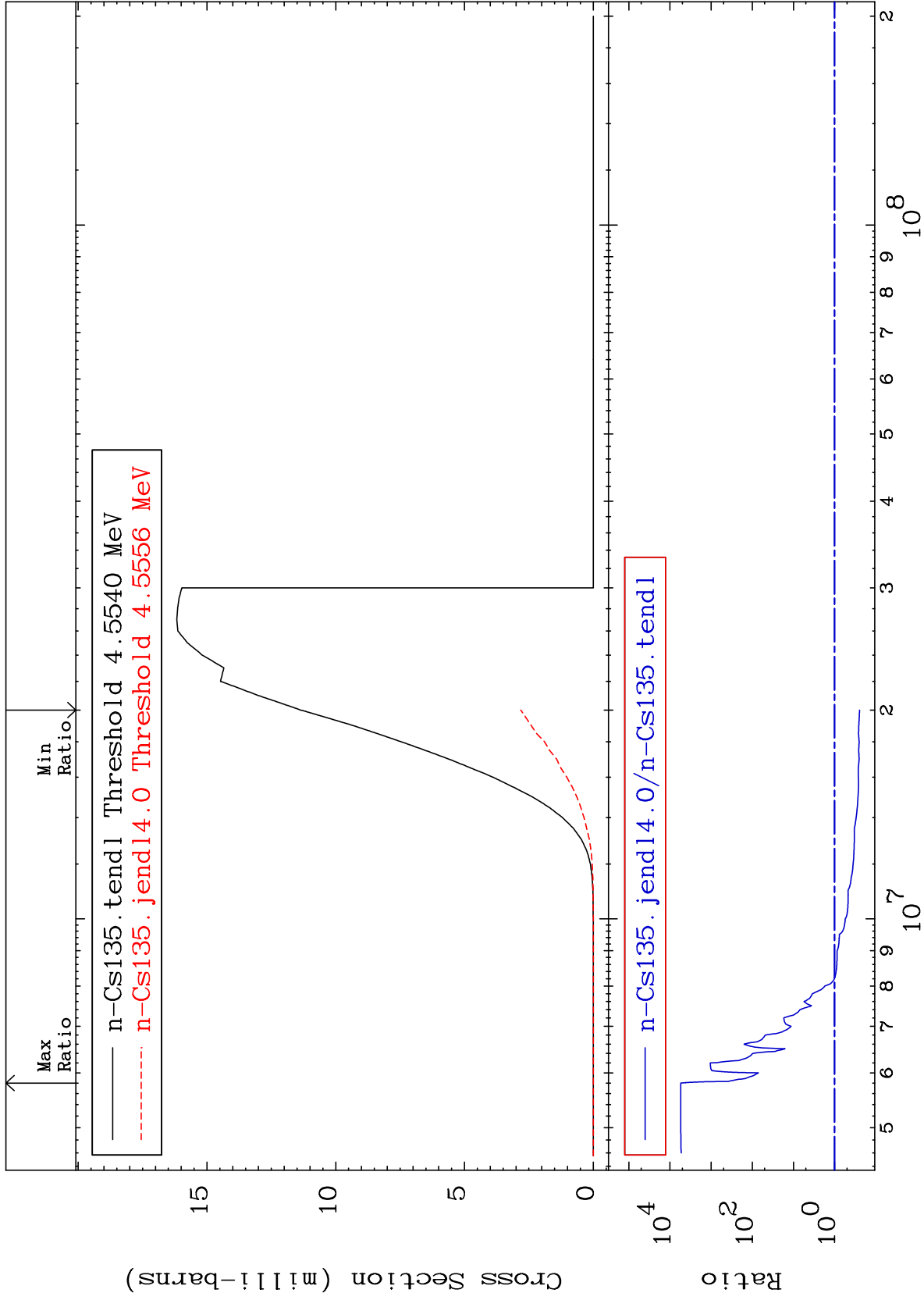
Cross Section

-64.59 To 9999. %



Cross Section

-75.22 To 9999. %

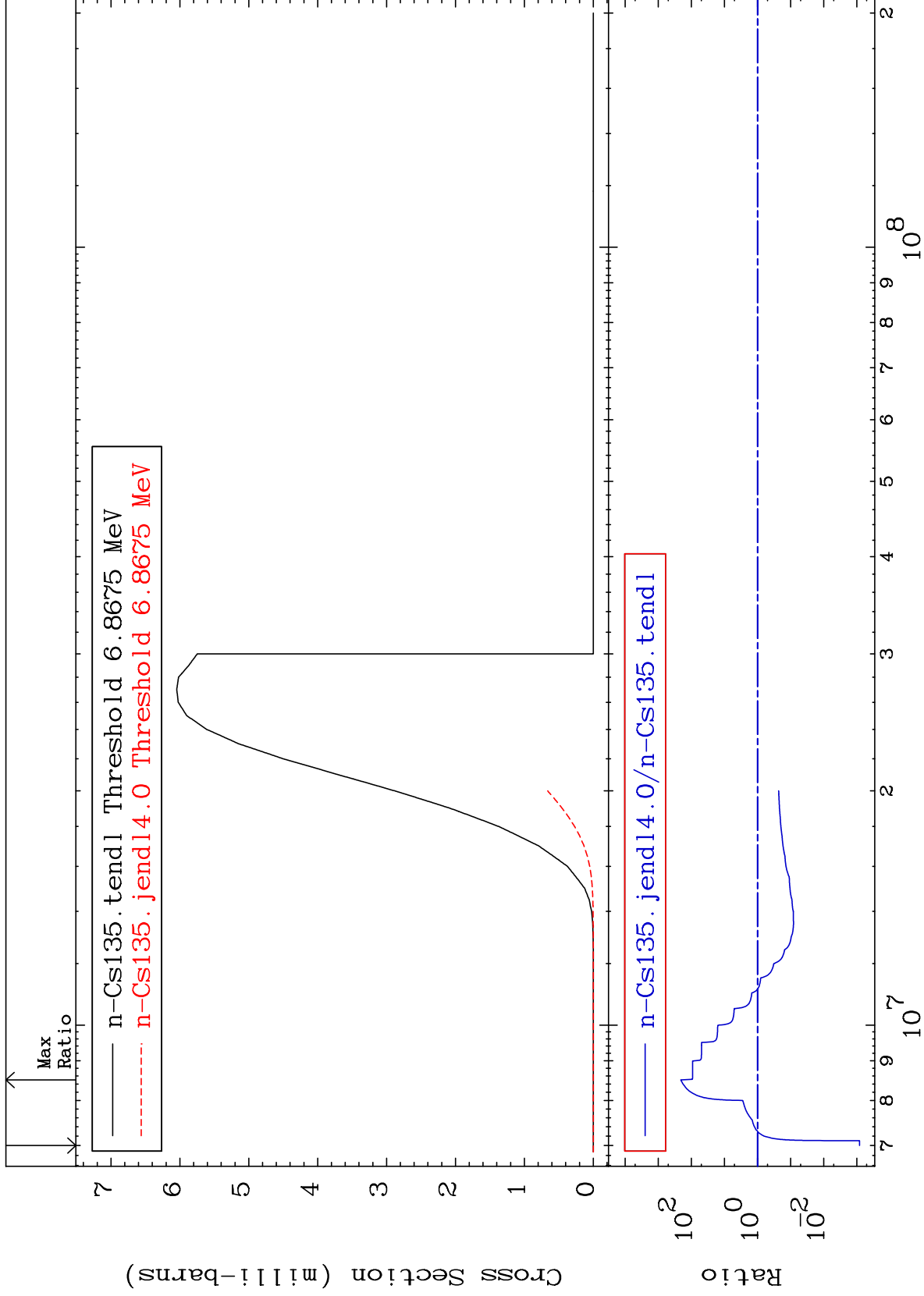




MAT 5531

(n, t)  
Cross Section

55-Cs-135  
-99.92 To 9999. %



25

55-Cs-135

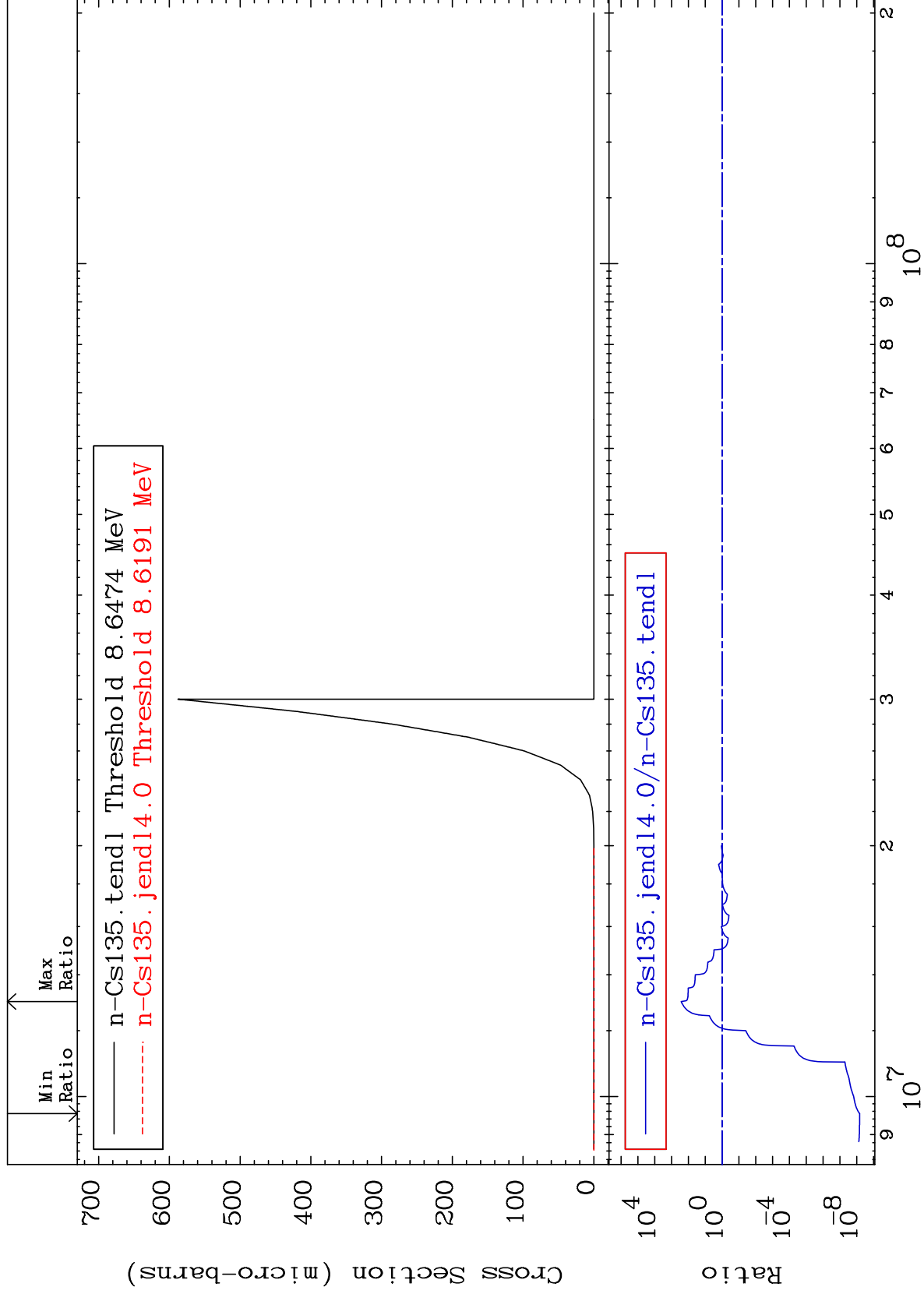
MAT 5531

(n, He-3)

55-Cs-135

Cross Section

-100.0 To 9999. %



26

Incident Energy (eV)

55-Cs-135

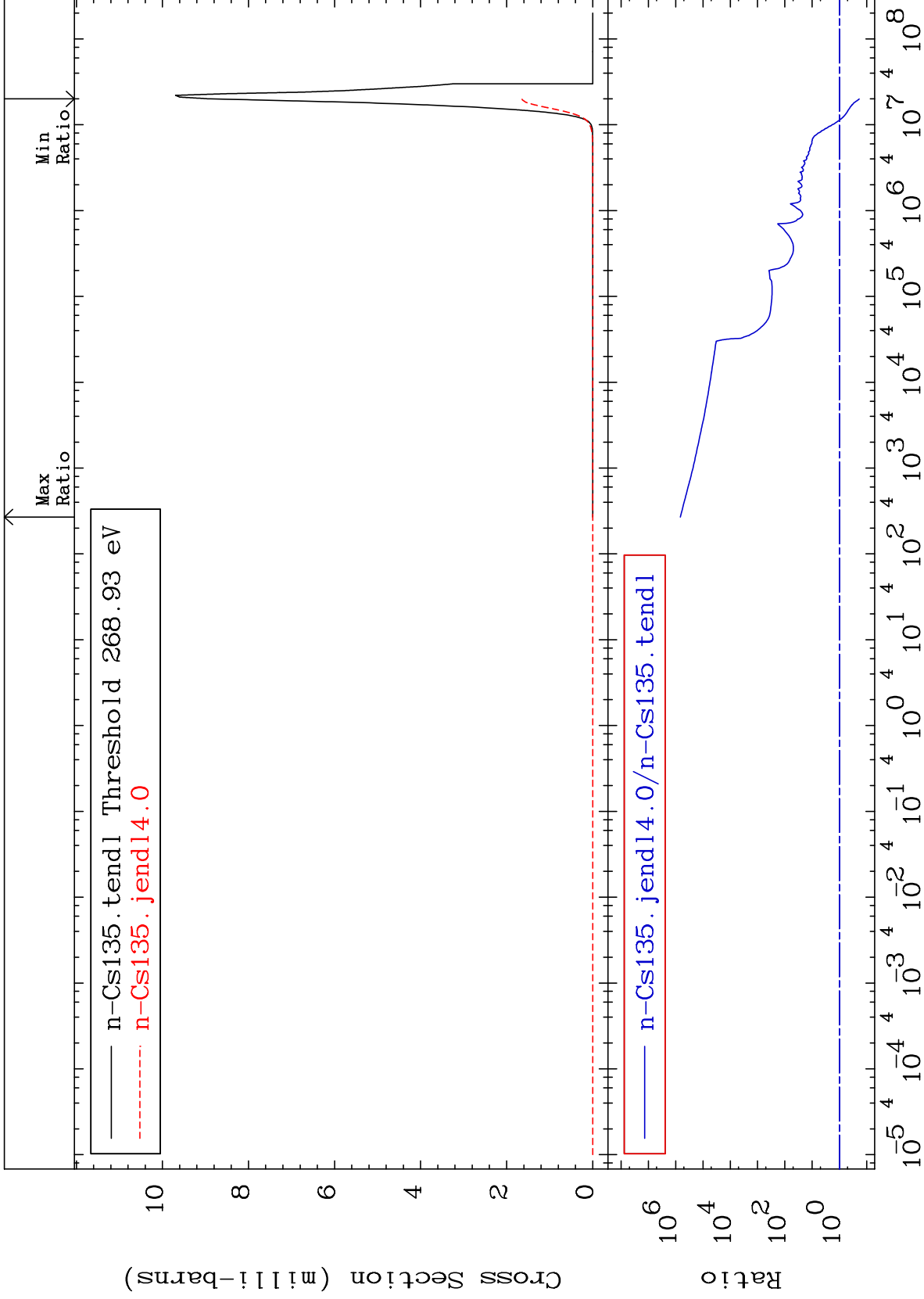
MAT 5531

(n,  $\alpha$ )

55-Cs-135

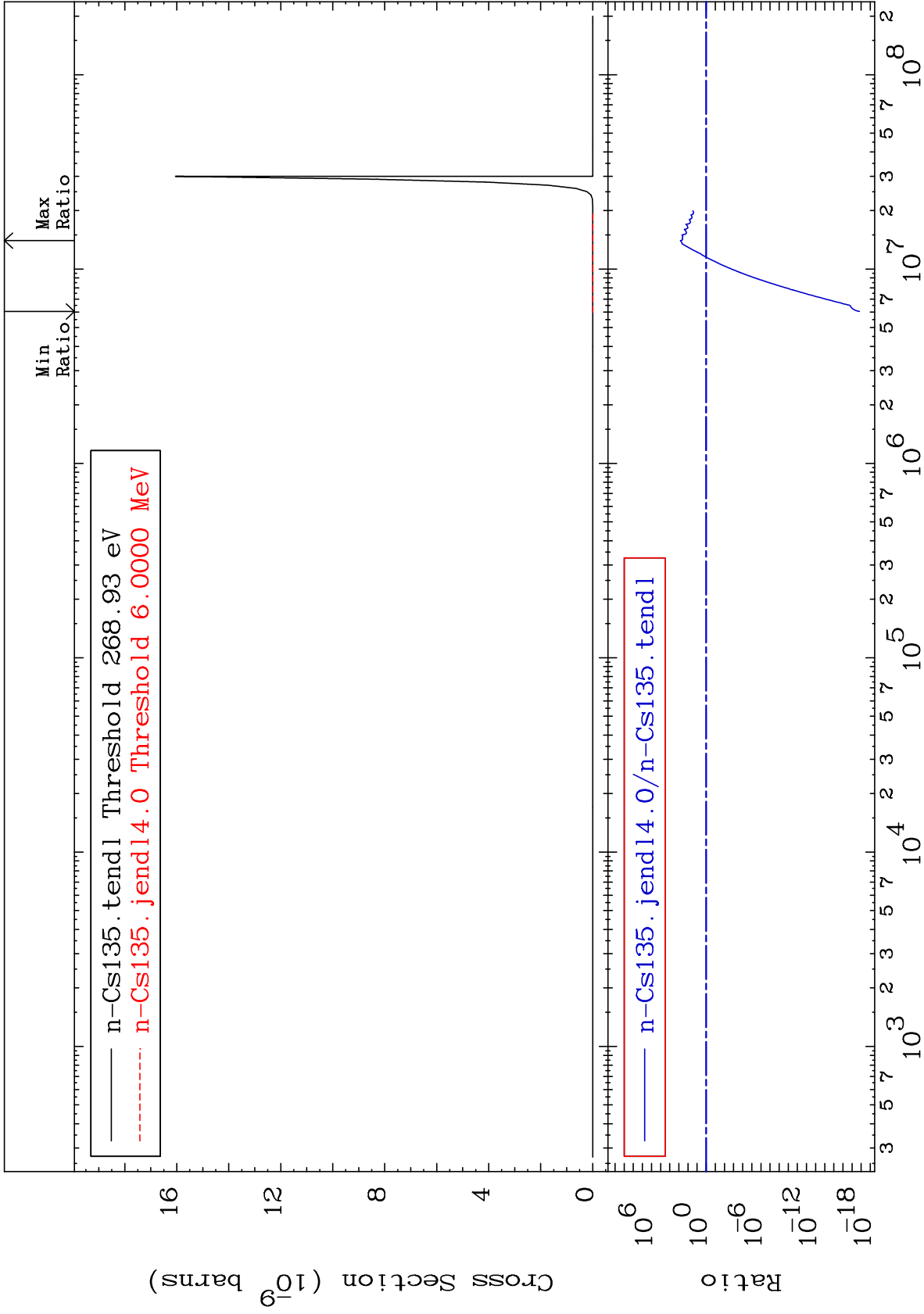
Cross Section

-81.53 To 9999. %



Cross Section

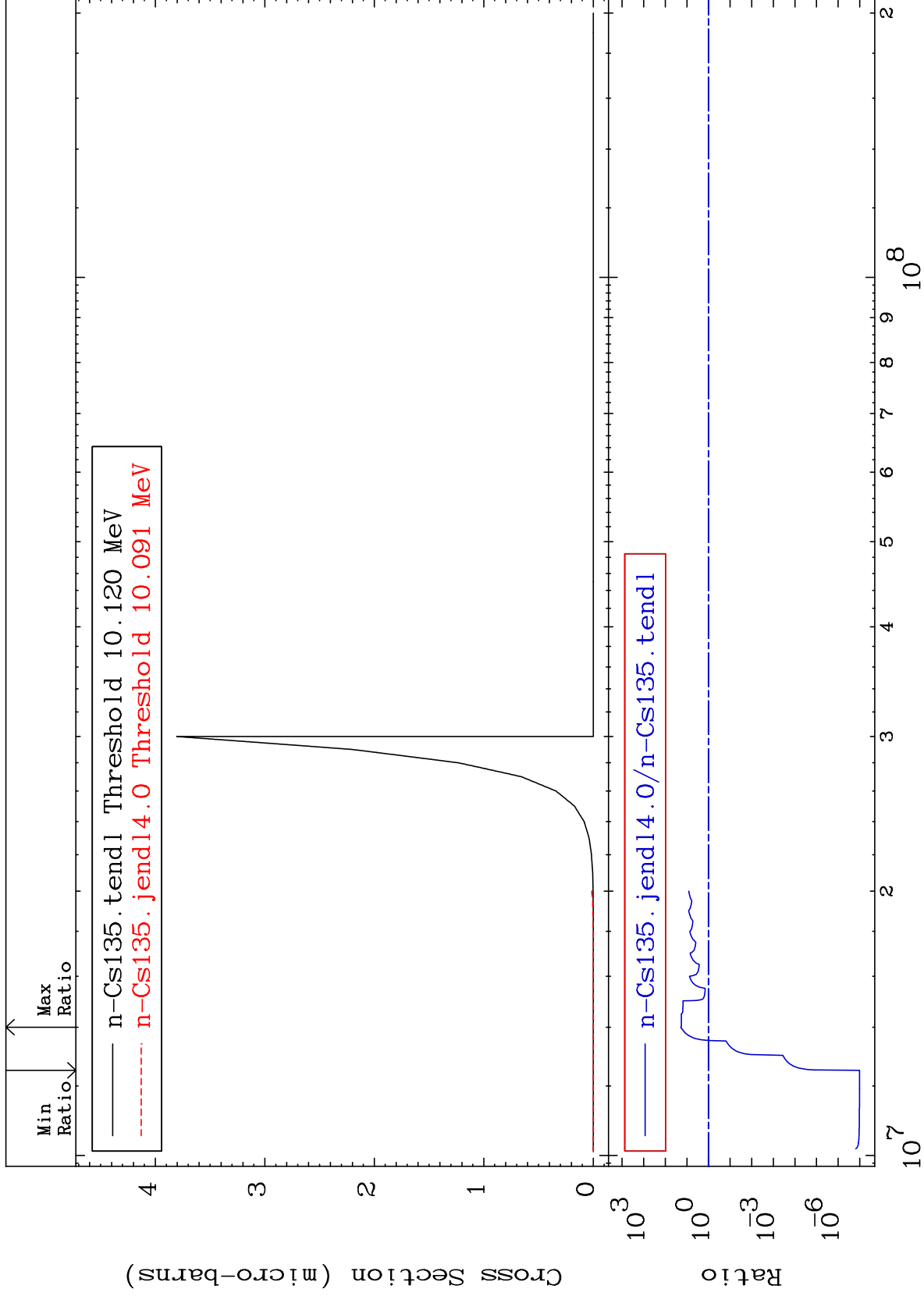
-100.0 To 9999. %



MAT 5531

(n,2p)  
Cross Section

55-Cs-135  
-100.0 To 1823. %



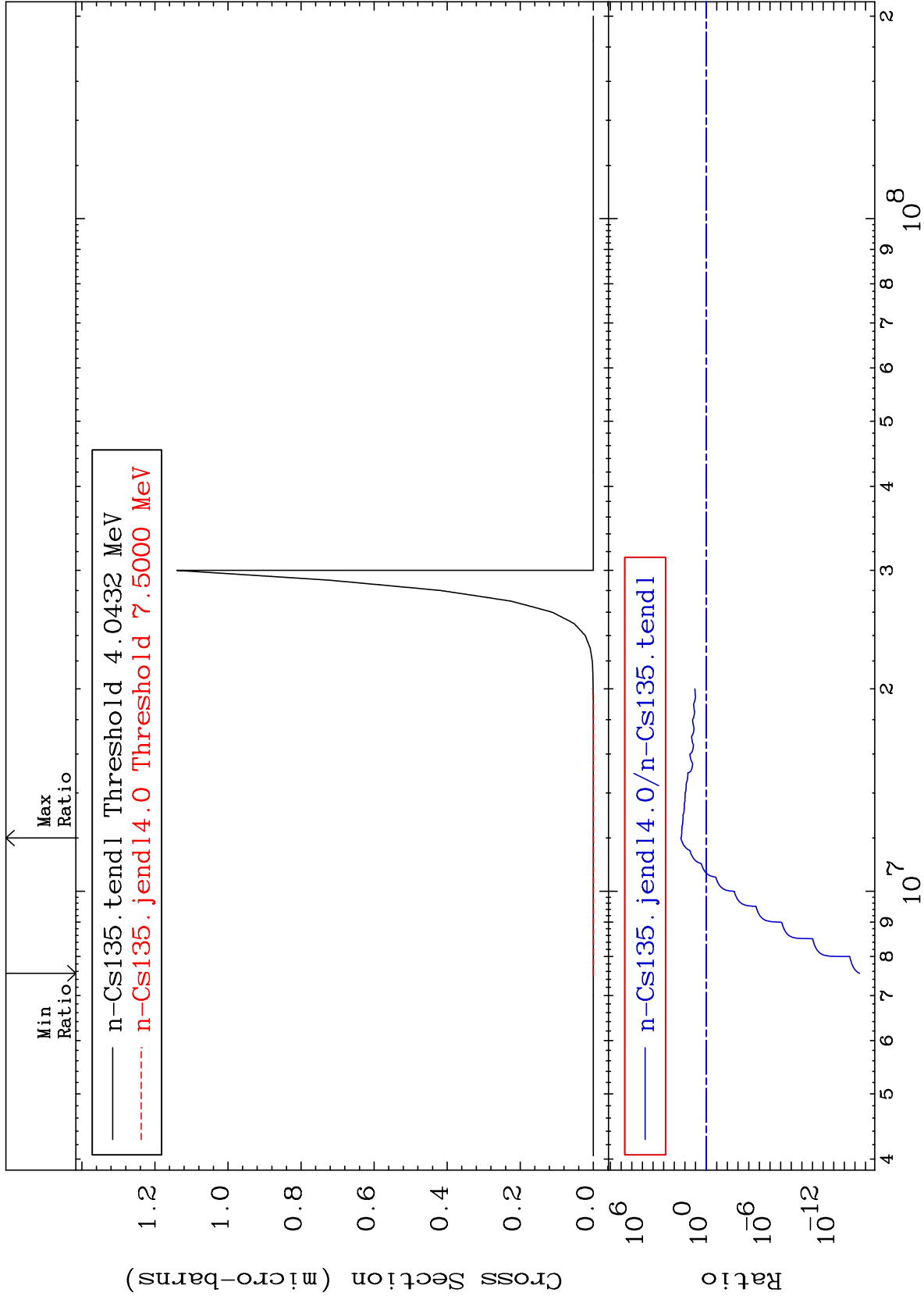
29

Incident Energy (eV)

55-Cs-135

Cross Section

-100.0 To 9999. %

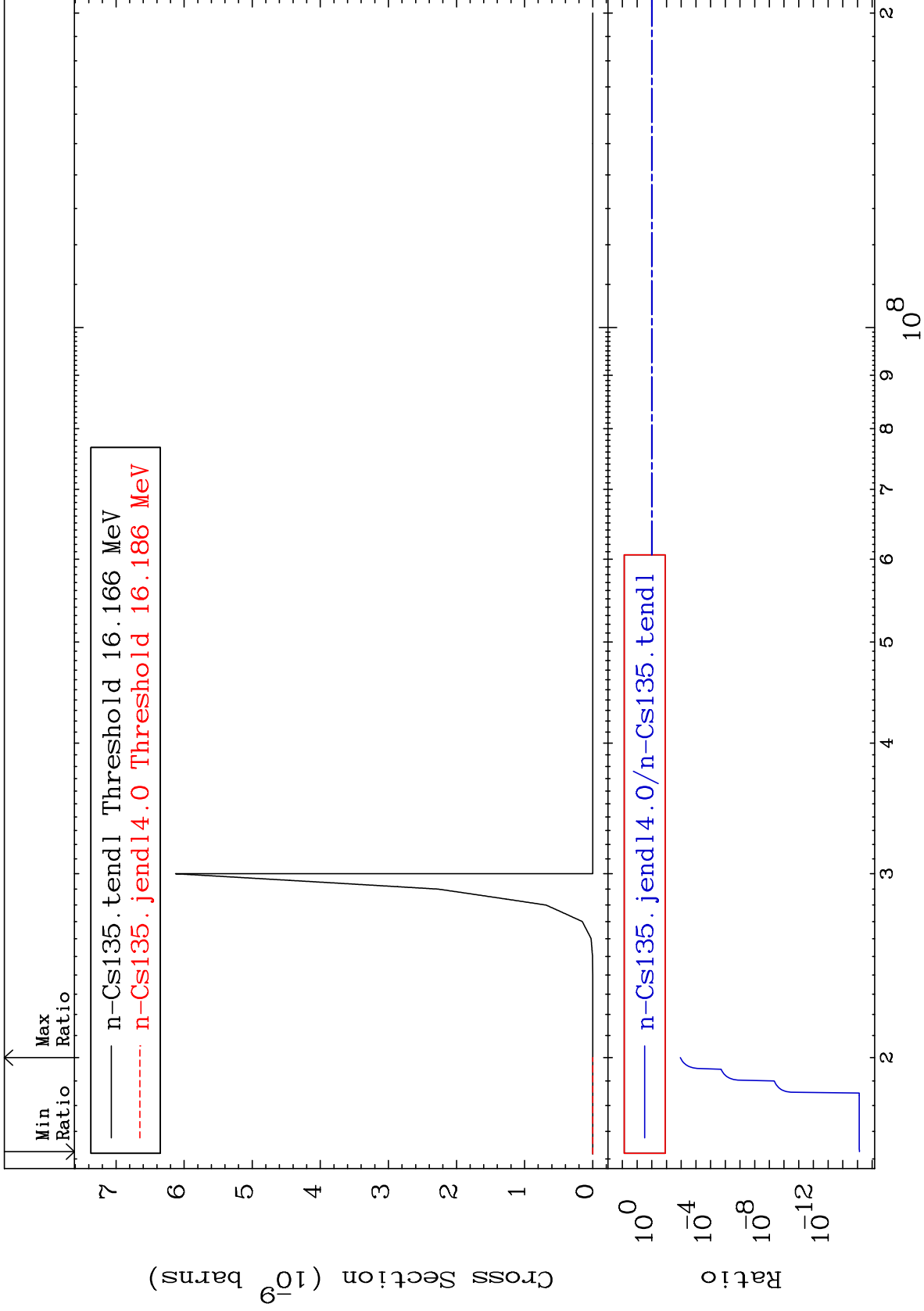




MAT 5531

(n,p) t  
Cross Section

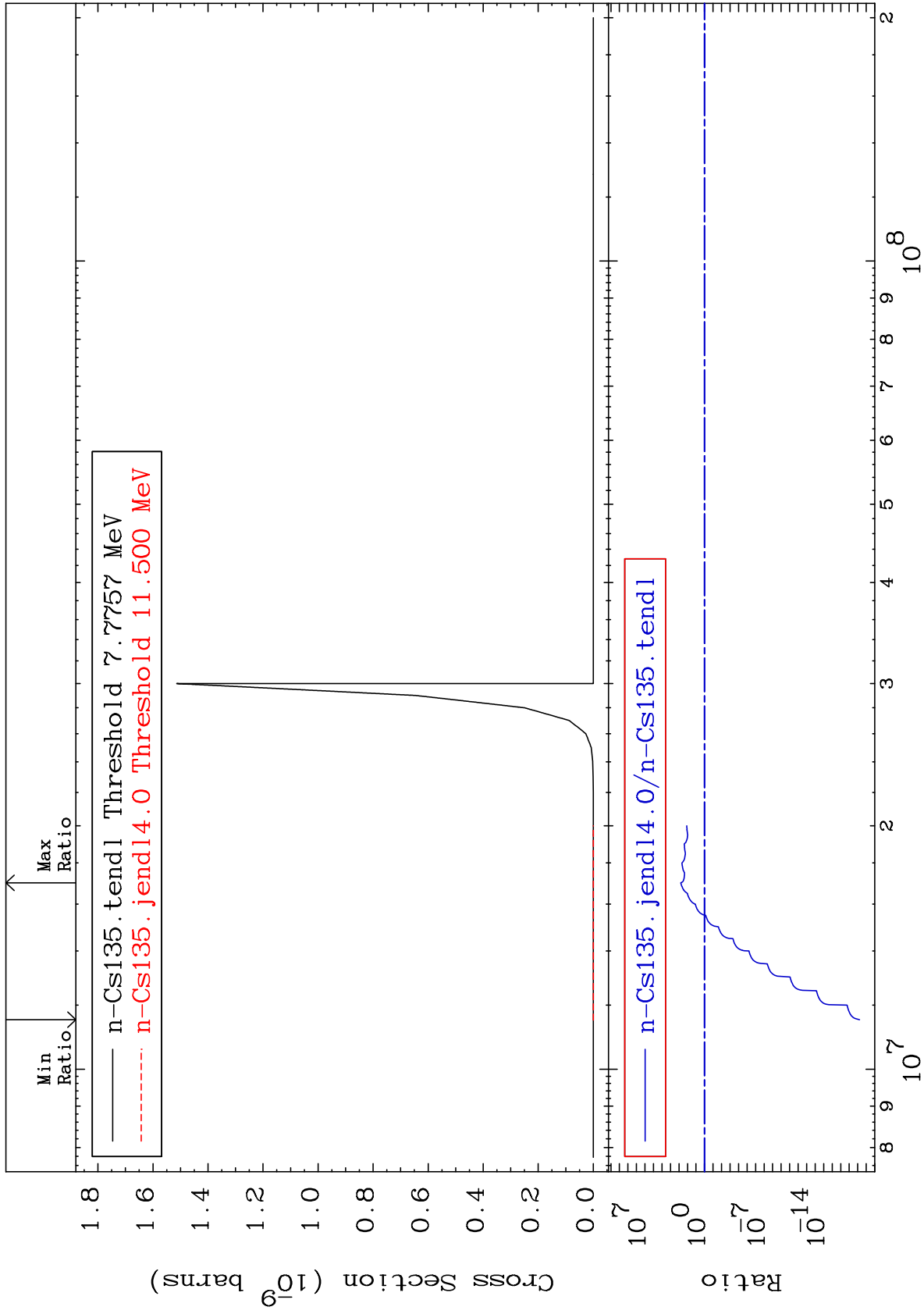
55-Cs-135  
-100.0 To -98.86%

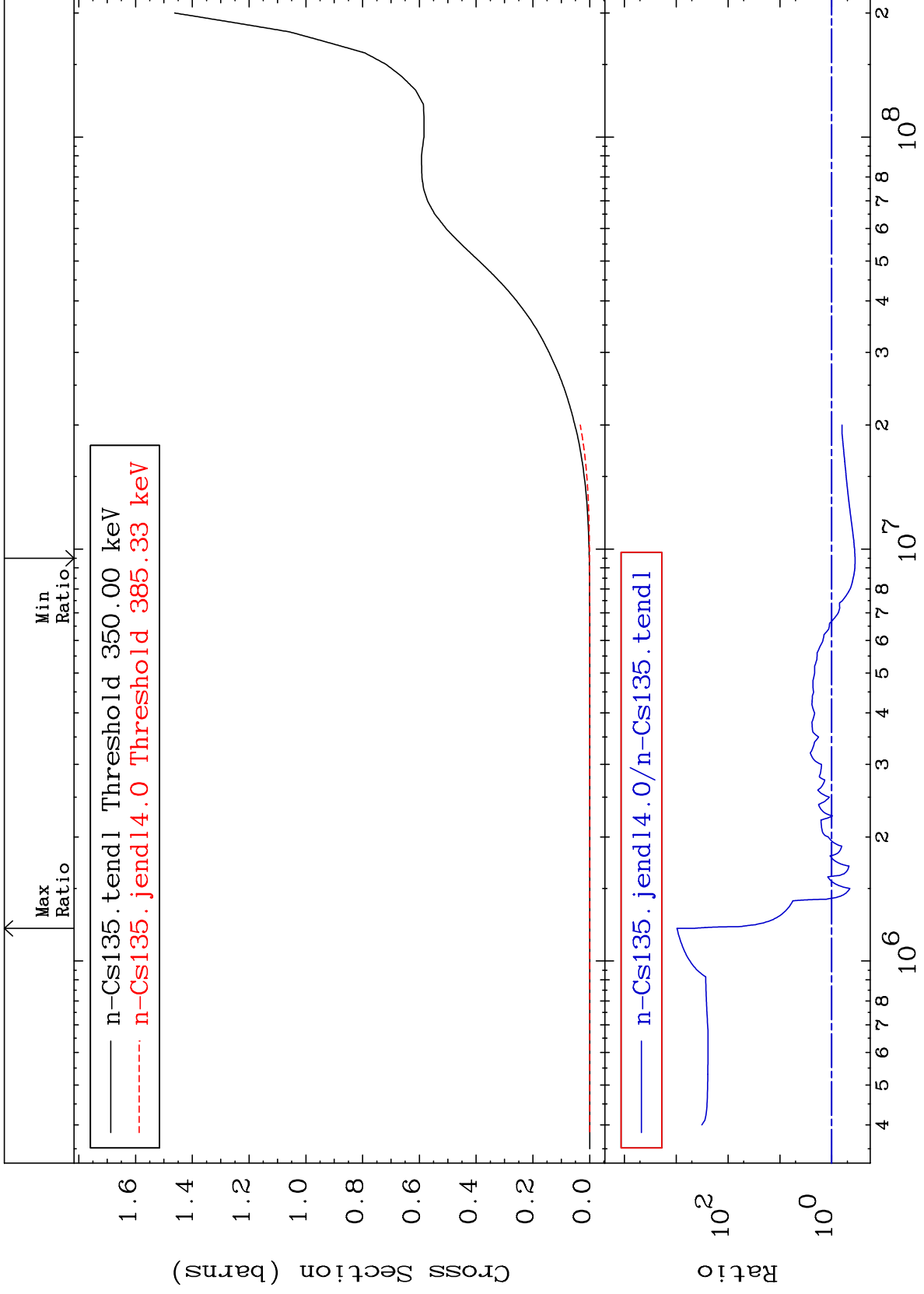




Cross Section

-100.0 To 9999. %

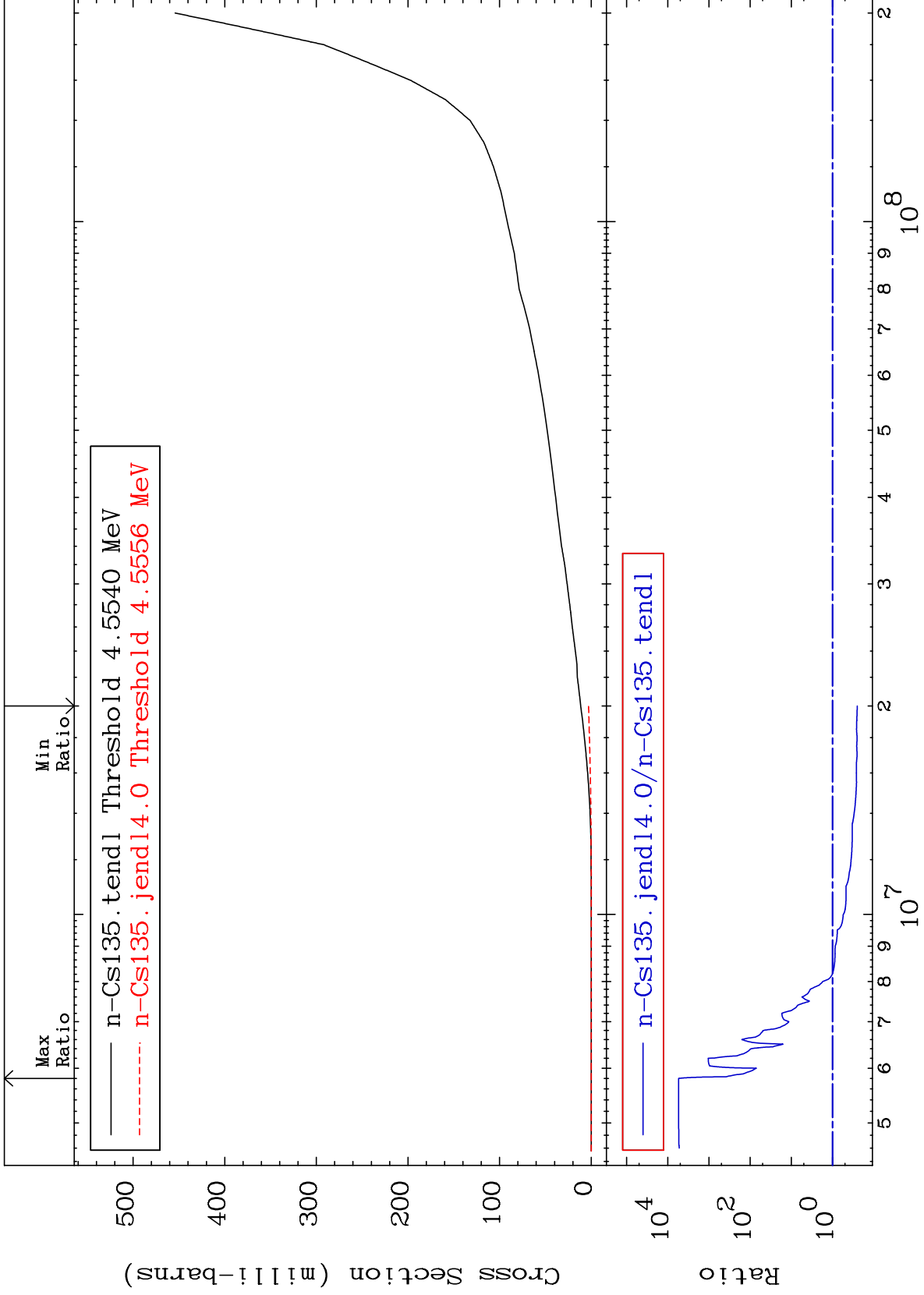




MAT 5531

Deuterium Production  
Cross Section

55-Cs-135  
-74.80 To 9999. %



35

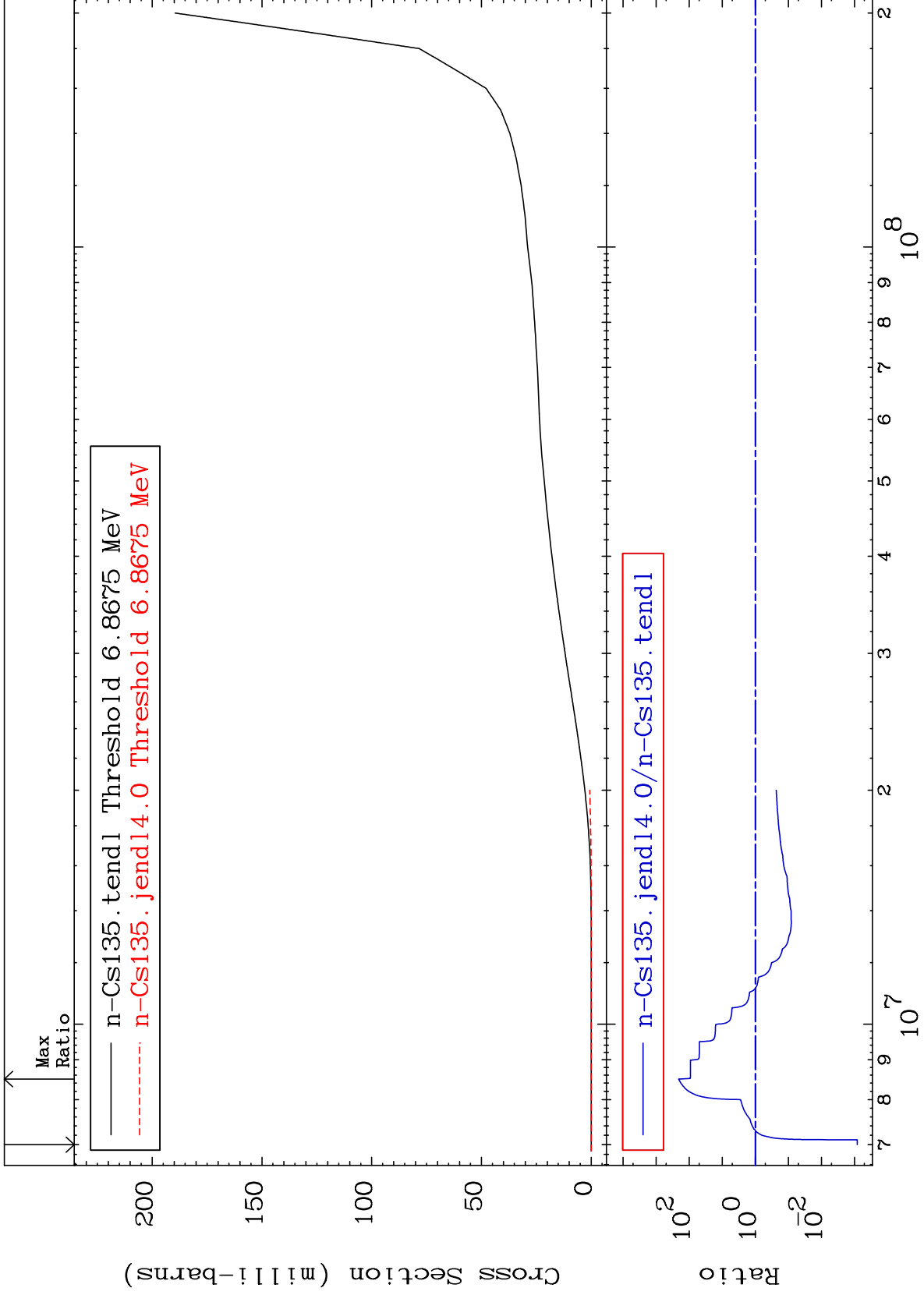
Incident Energy (eV)

55-Cs-135

MAT 5531

Tritium Production  
Cross Section

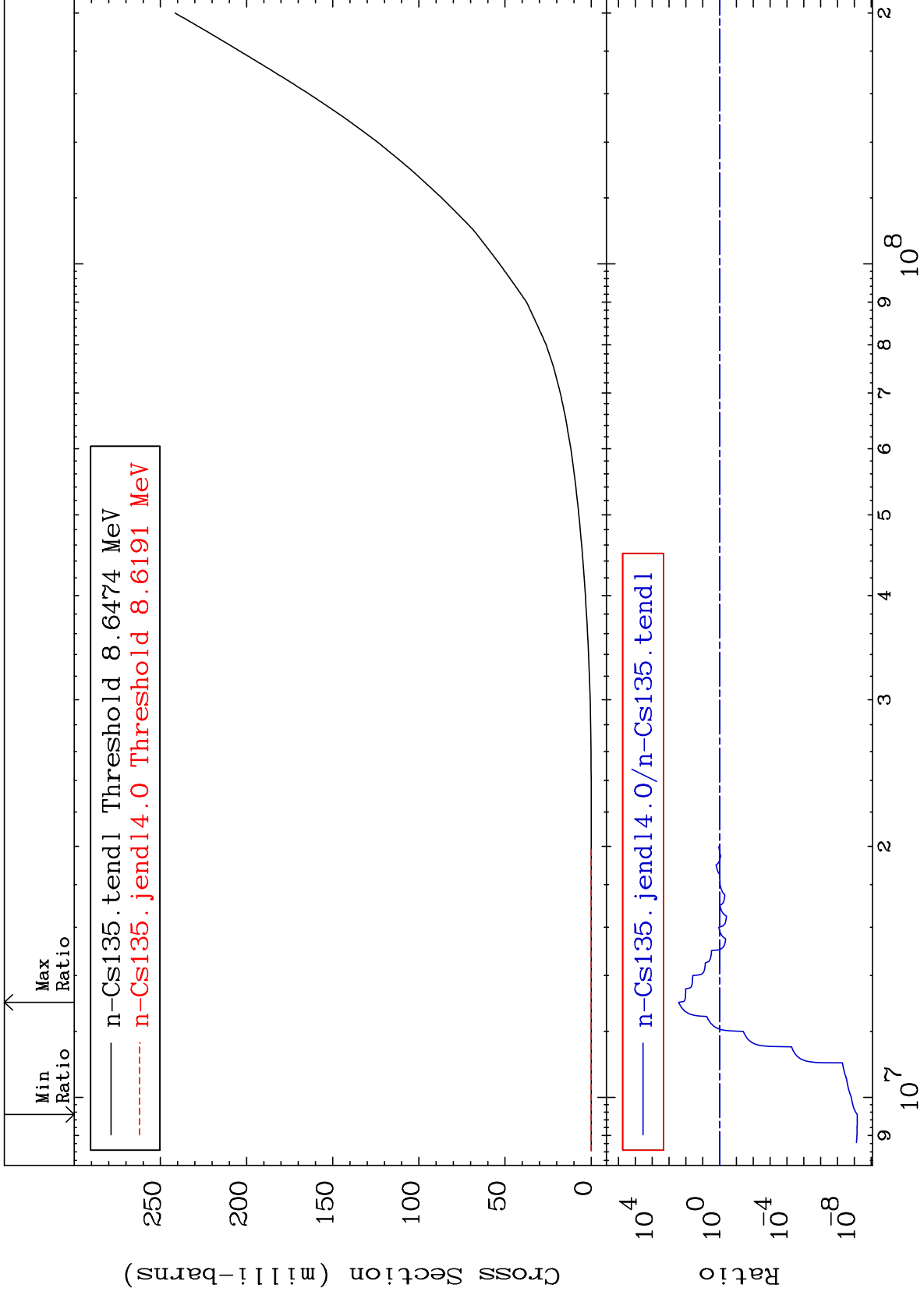
55-Cs-135  
-99.92 To 9999. %



MAT 5531

He-3 Production  
Cross Section

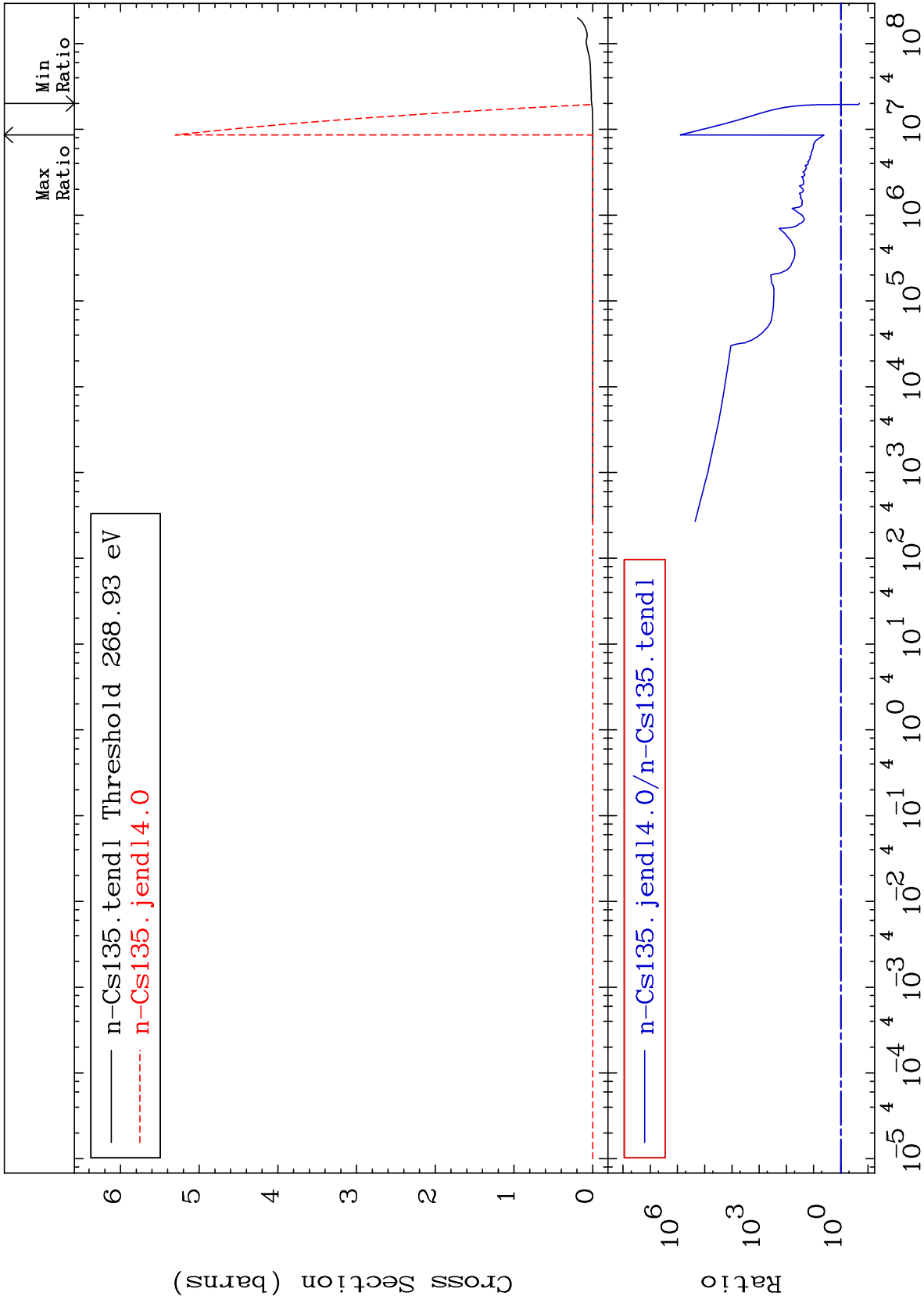
55-Cs-135  
-100.0 To 9999. %



37

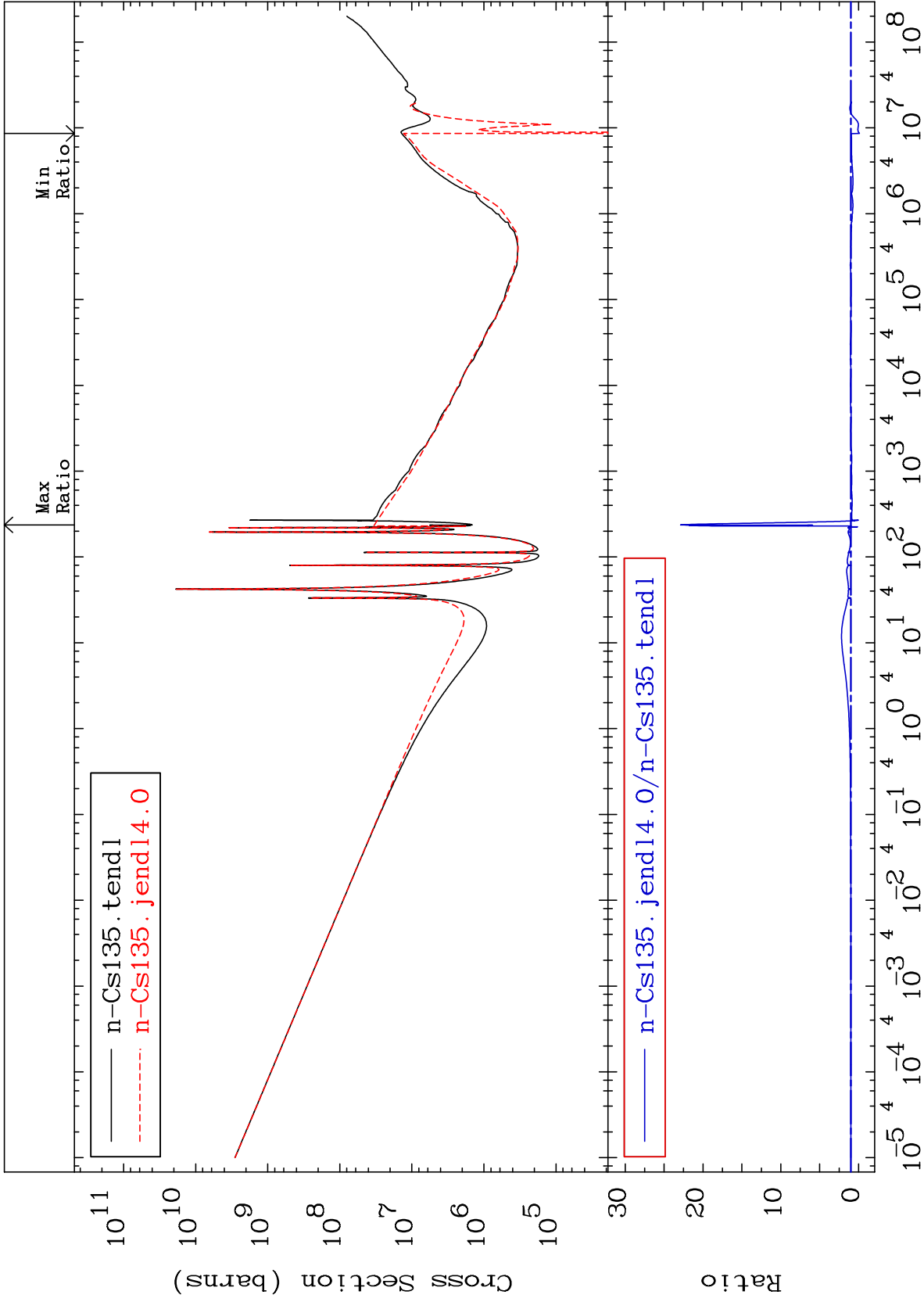
Incident Energy (eV)

55-Cs-135



-111.3 To 2191. %

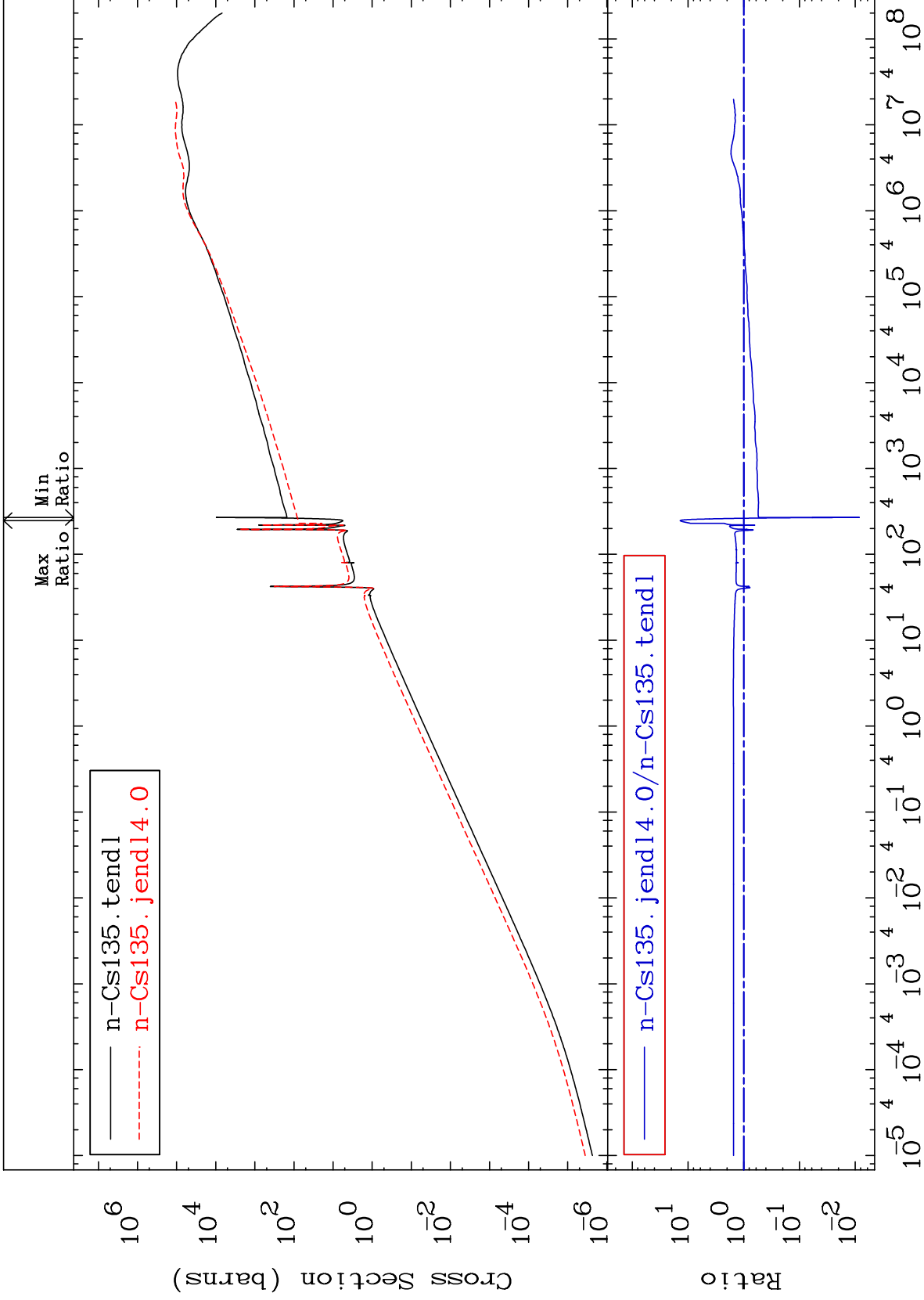
Cross Section



MAT 5531

Kerma elastic  
Cross Section

55-Cs-135  
-99.16 To 1285. %

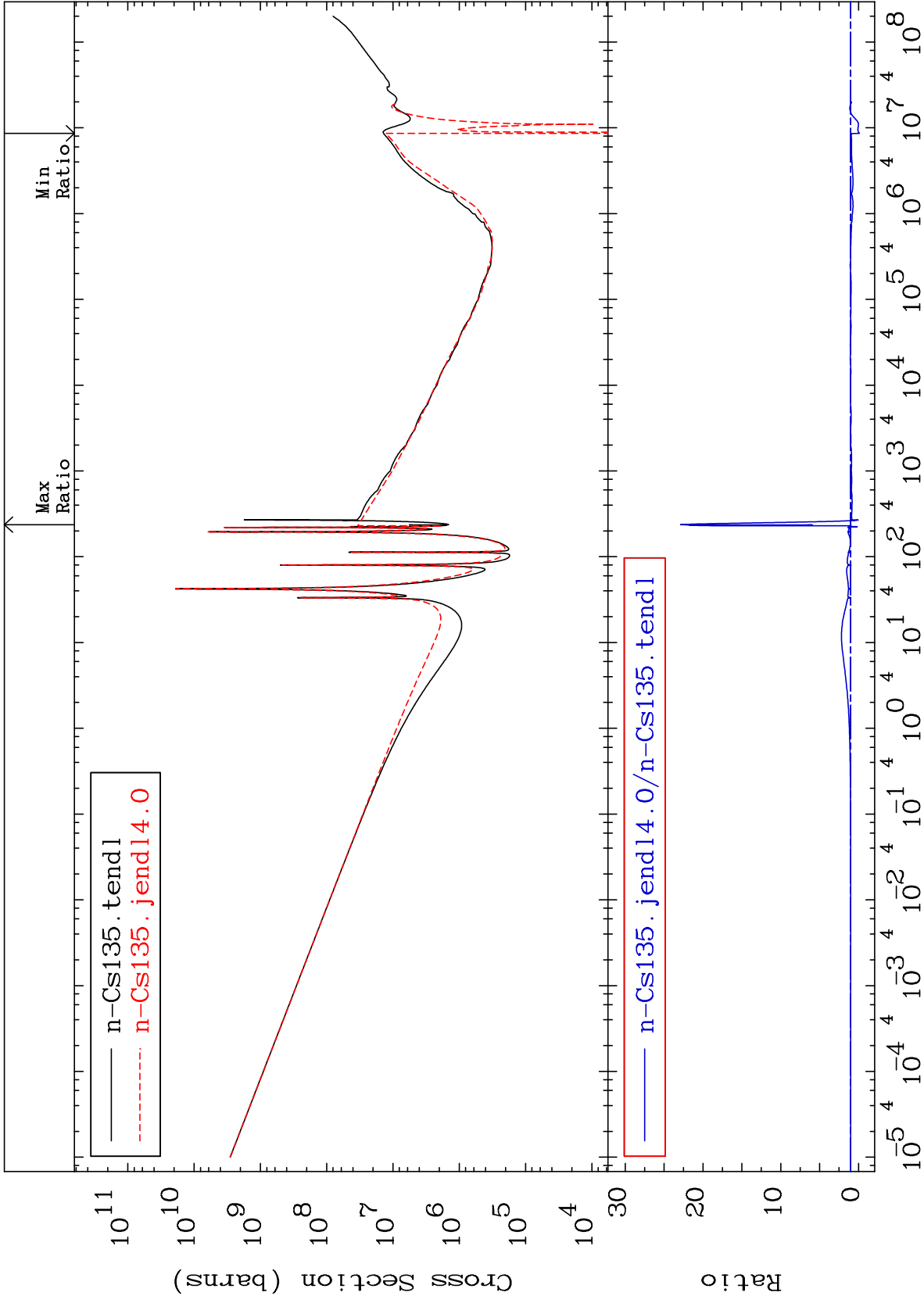


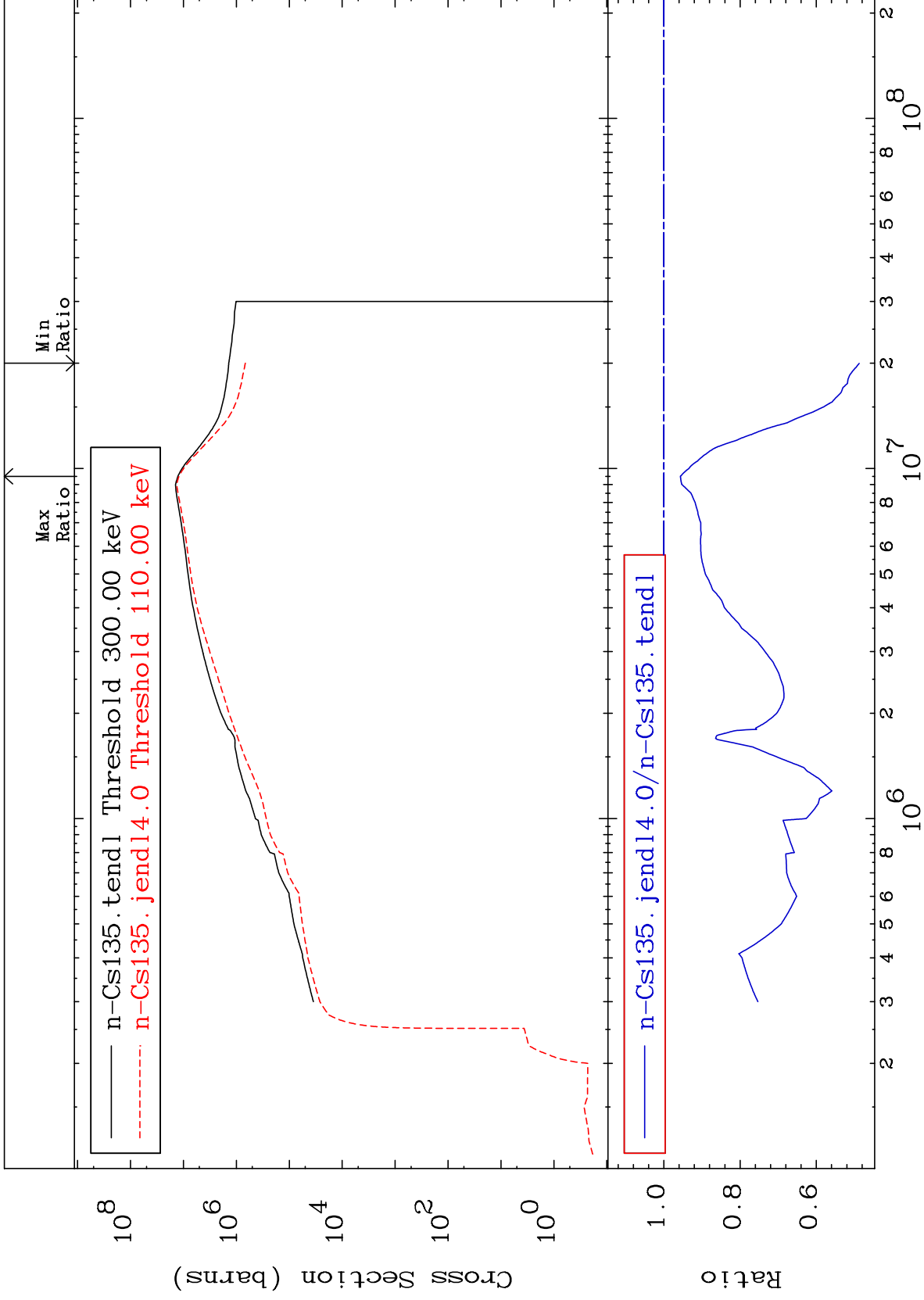
Incident Energy (eV)

55-Cs-135

40



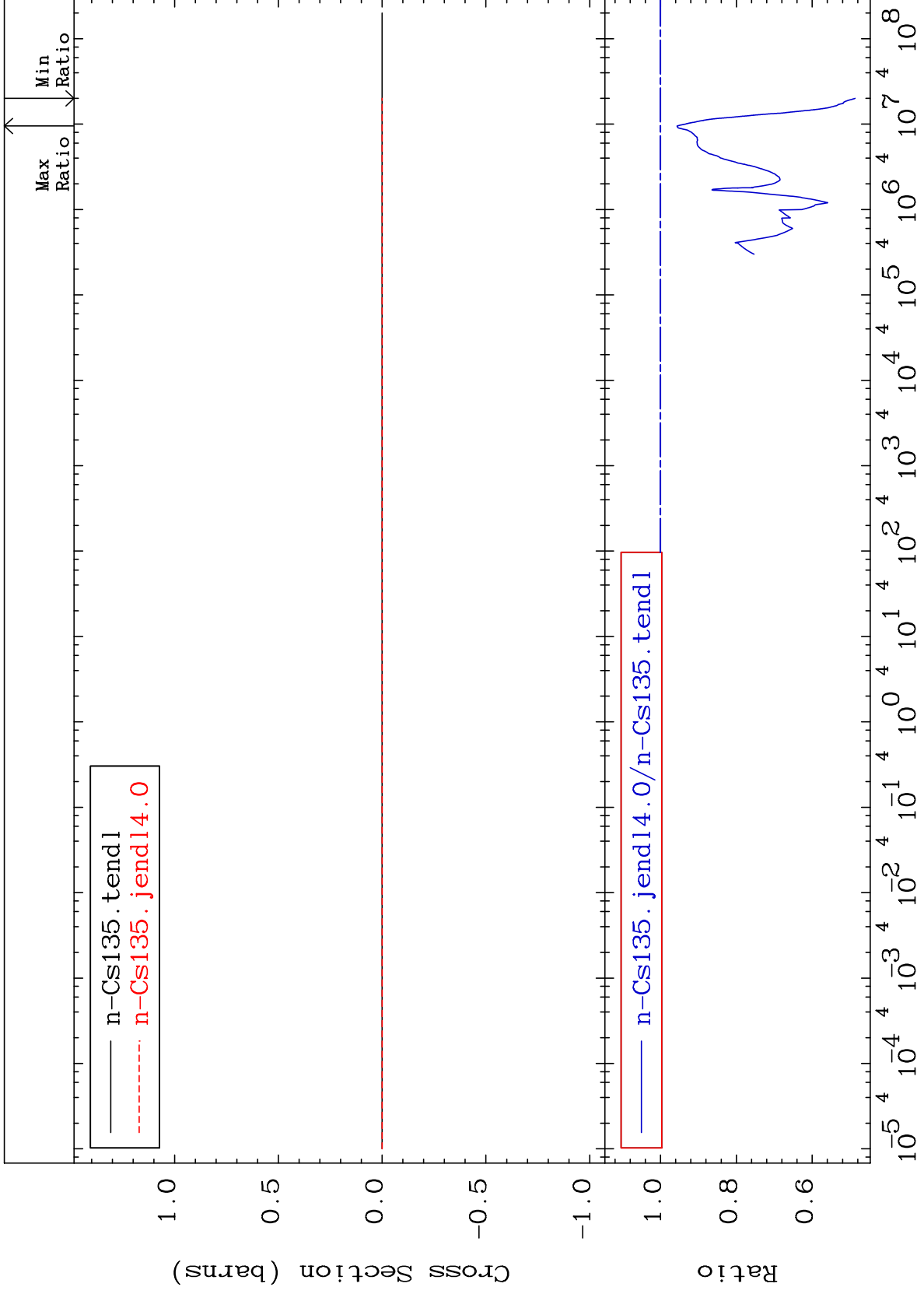


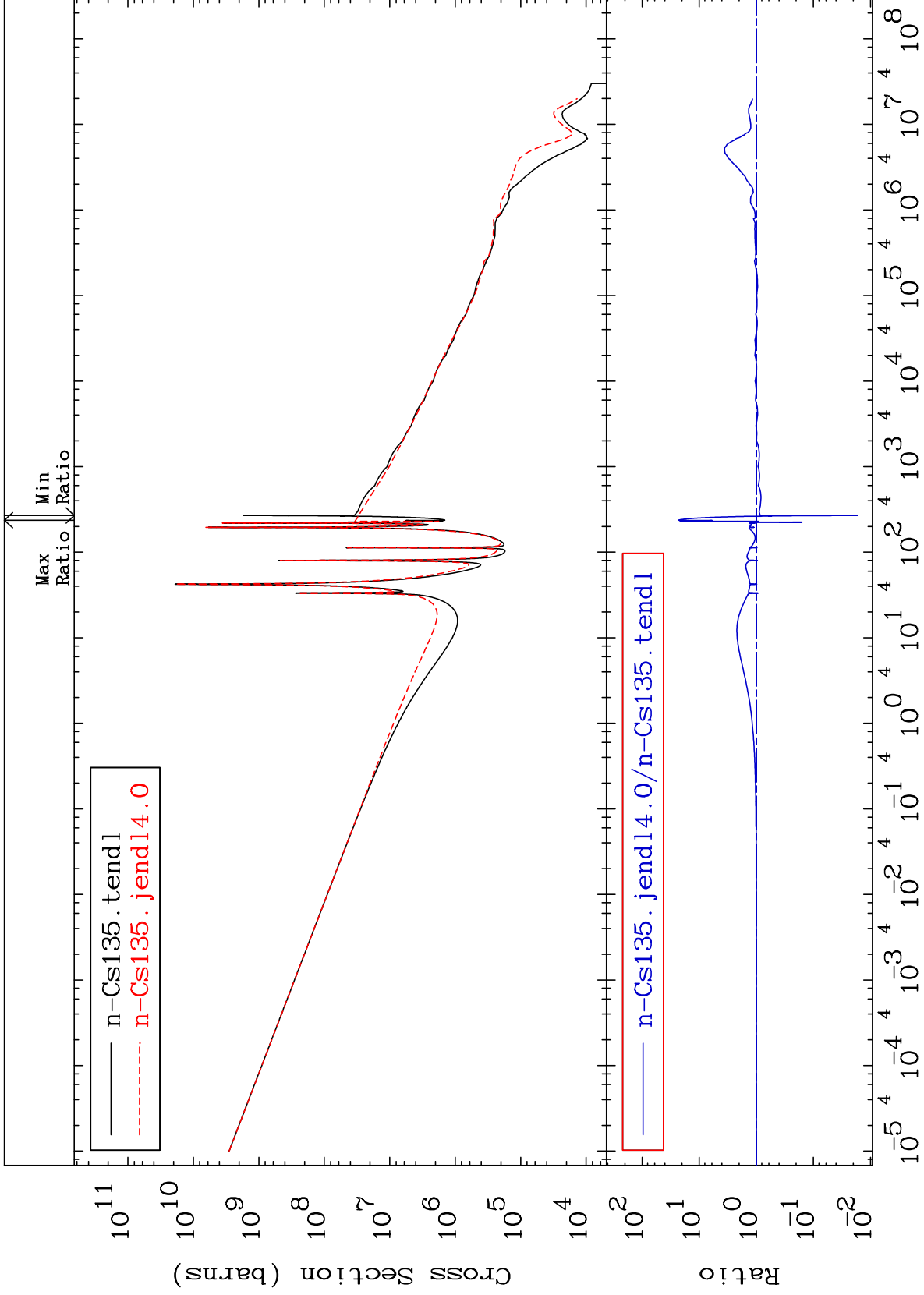


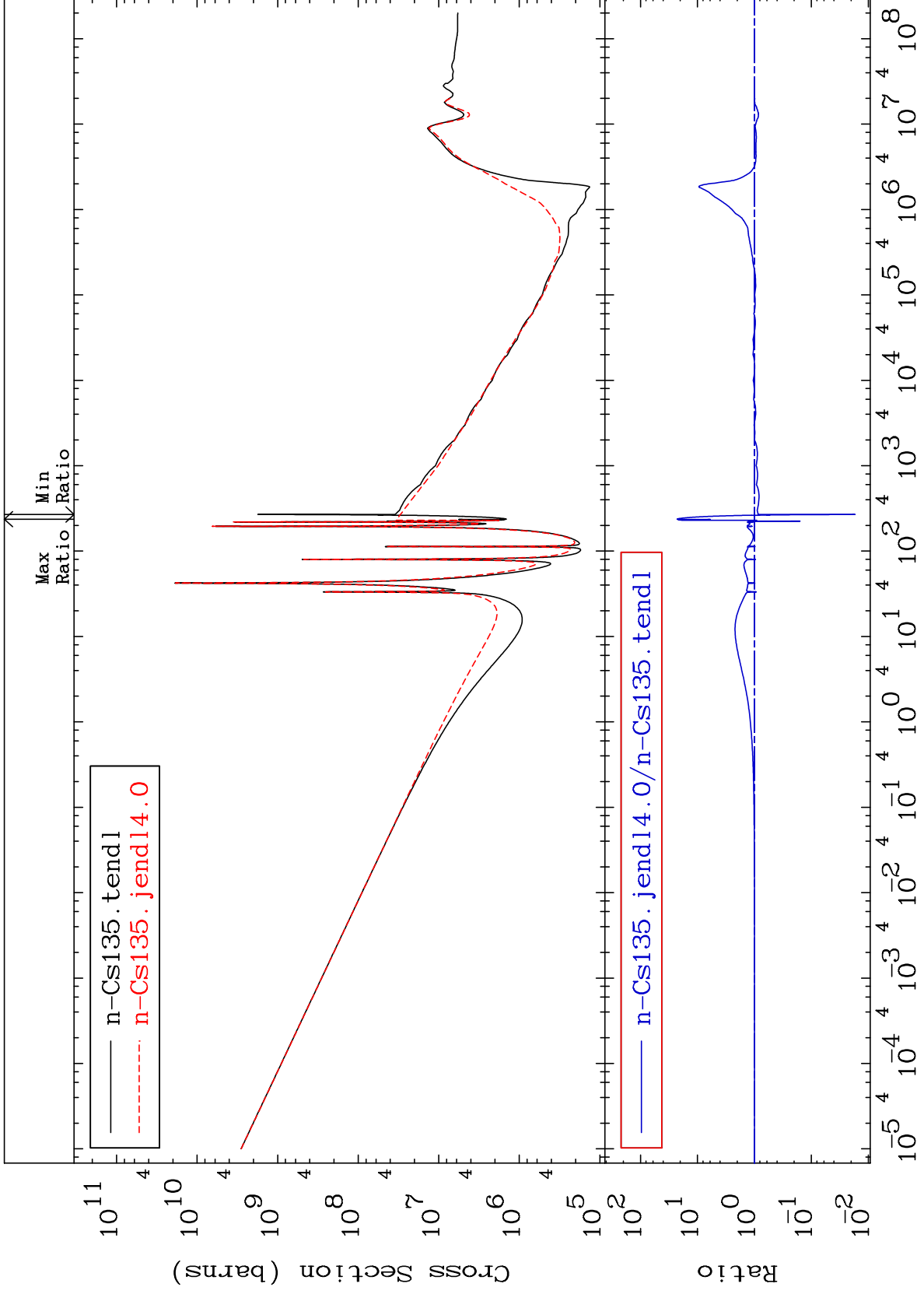
MAT 5531

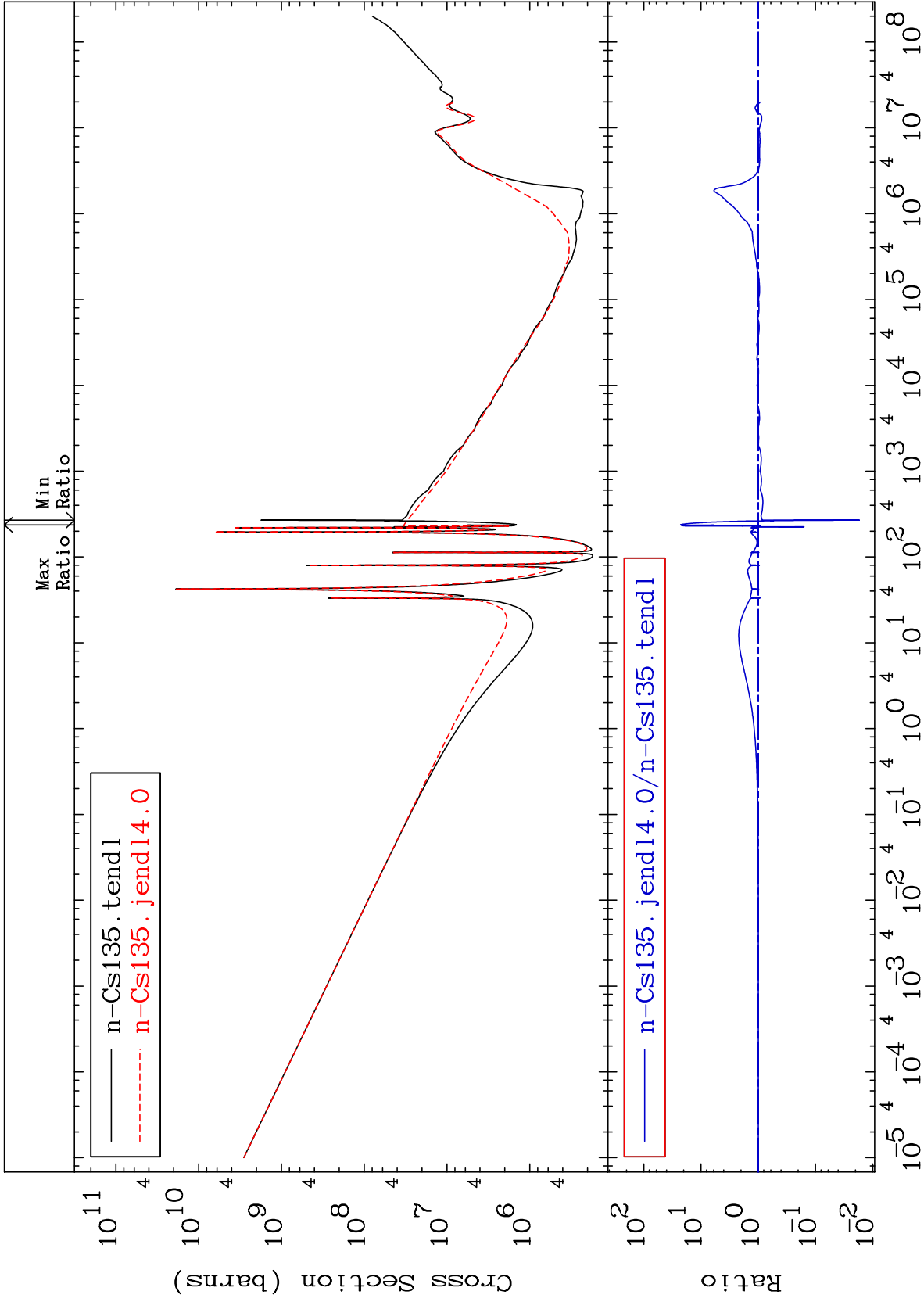
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

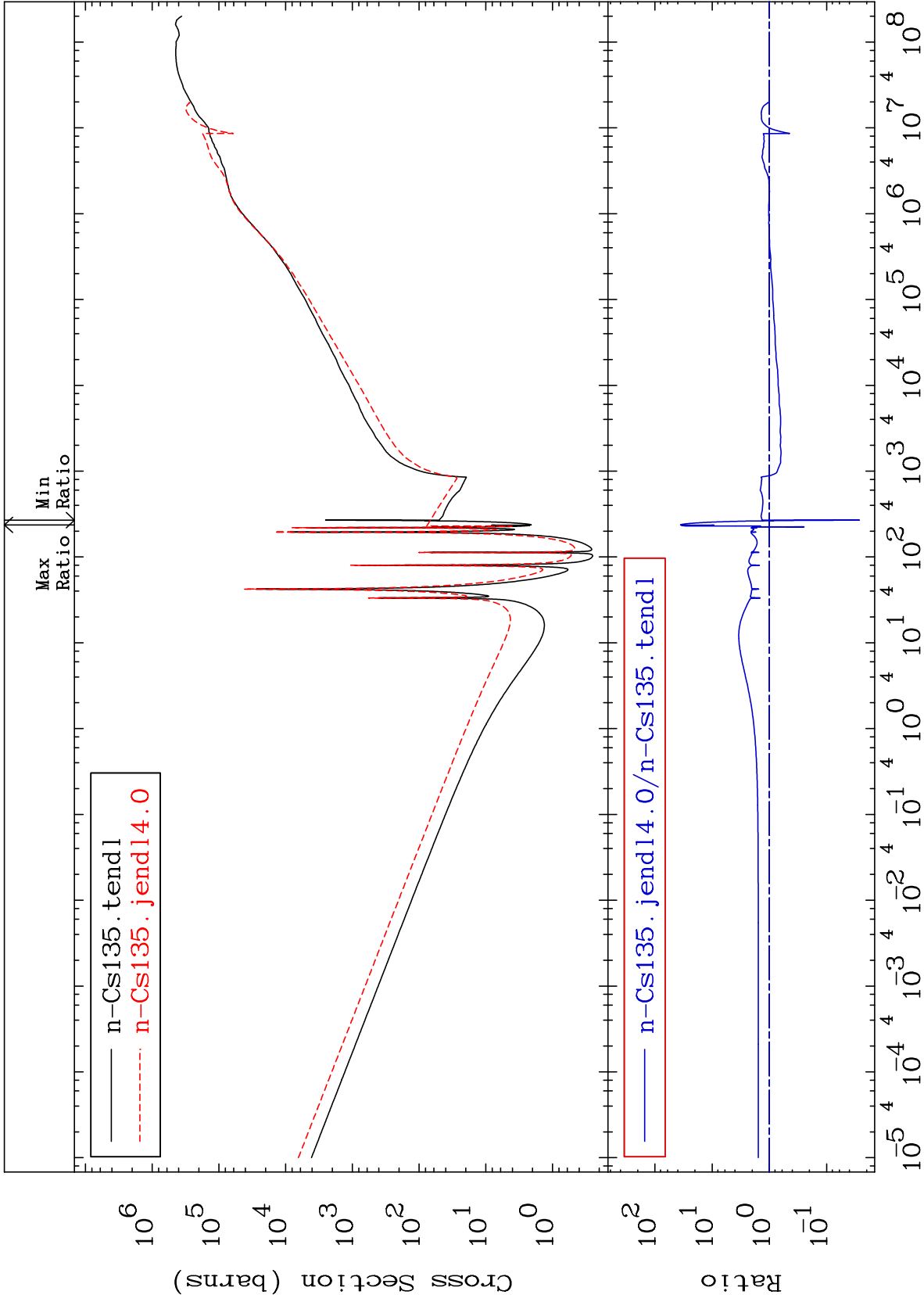
55-Cs-135  
-51.30 To -4.329%







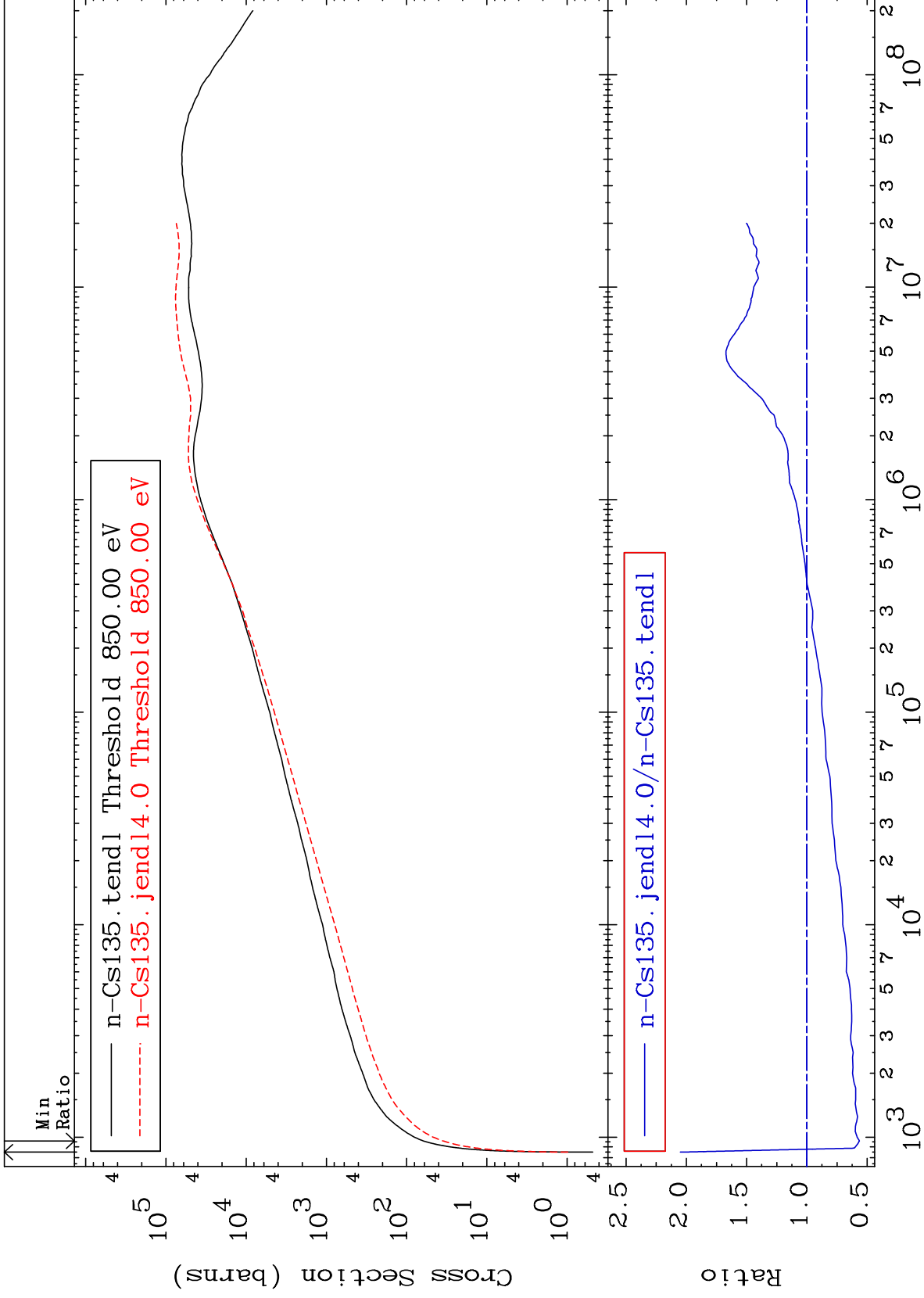




MAT 5531

Dpa elastic (mt2)  
Cross Section

55-Cs-135  
-43.55 To 105.0 %

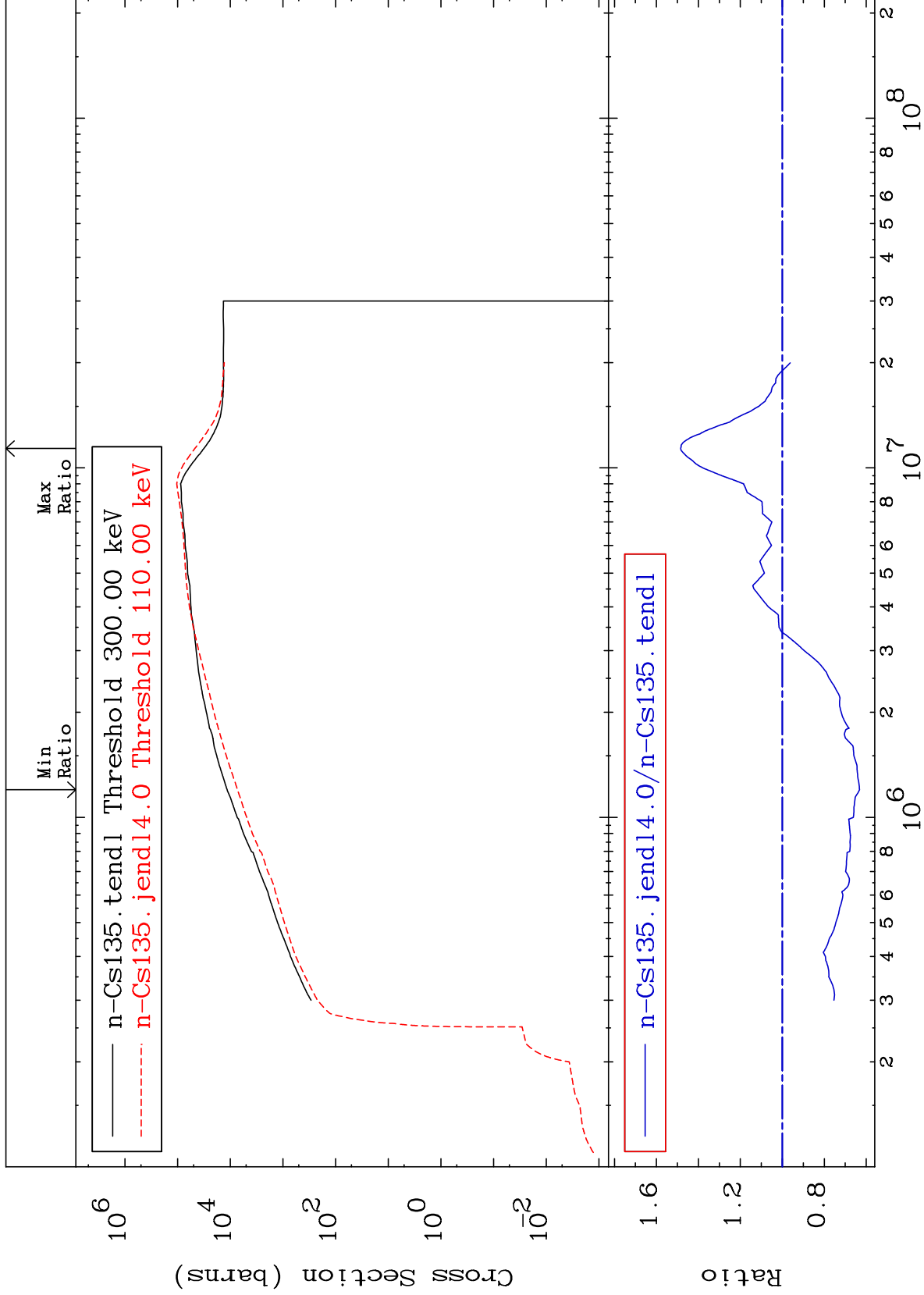


48

Incident Energy (eV)

55-Cs-135

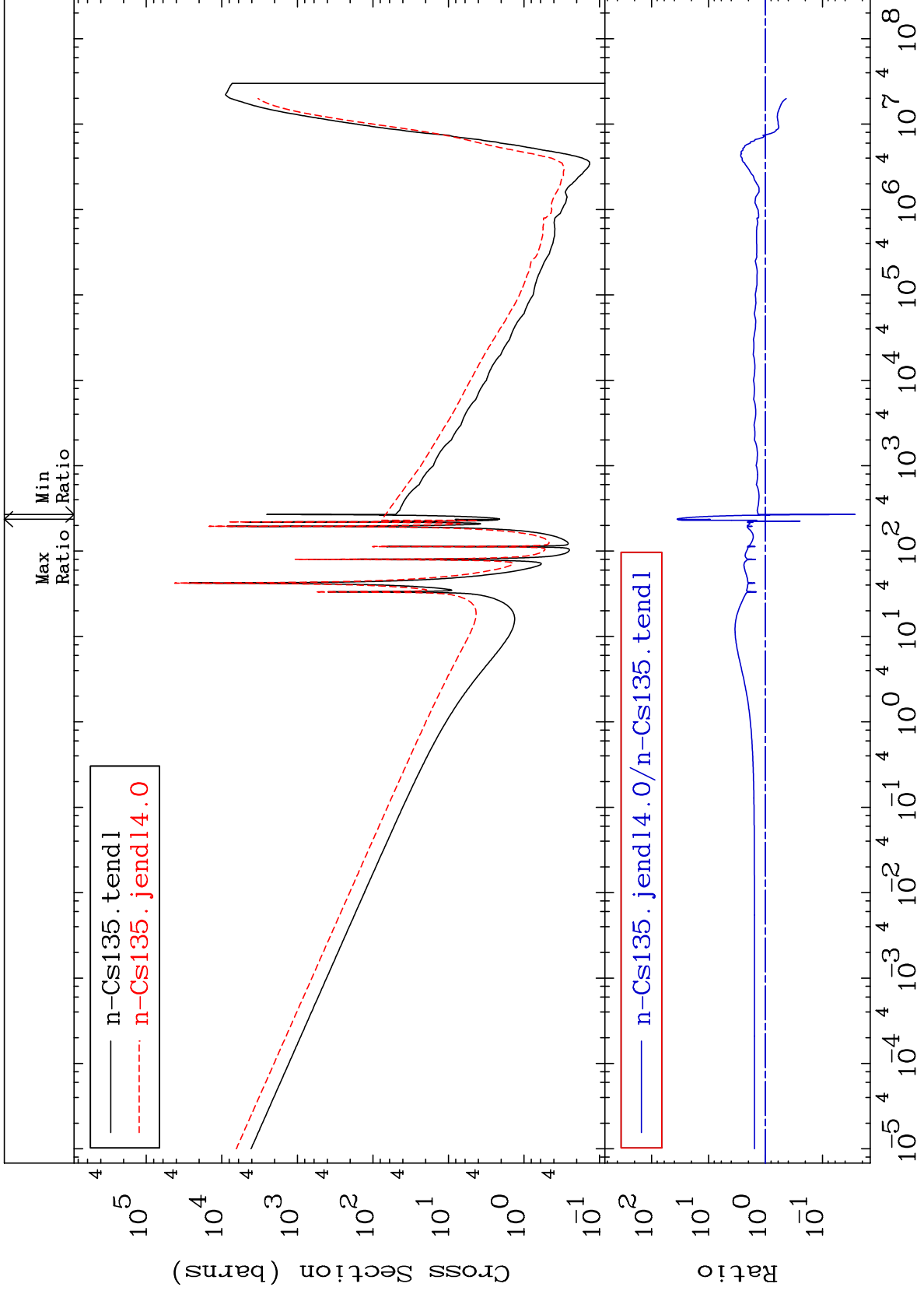




MAT 5531

Dpa disappearance (mt102 -120)  
Cross Section

55-Cs-135  
-97.32 To 3501. %



50

Incident Energy (eV)

55-Cs-135