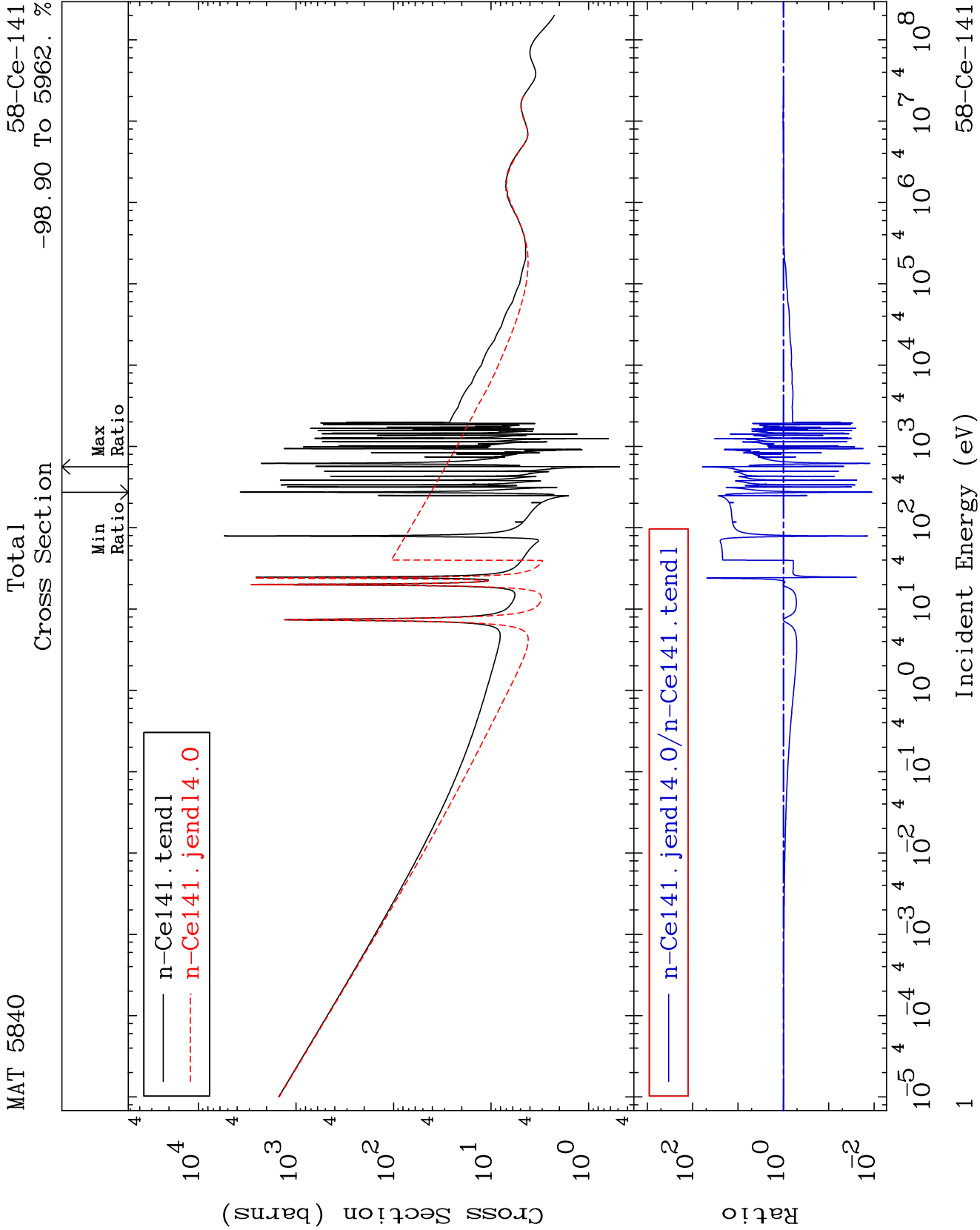




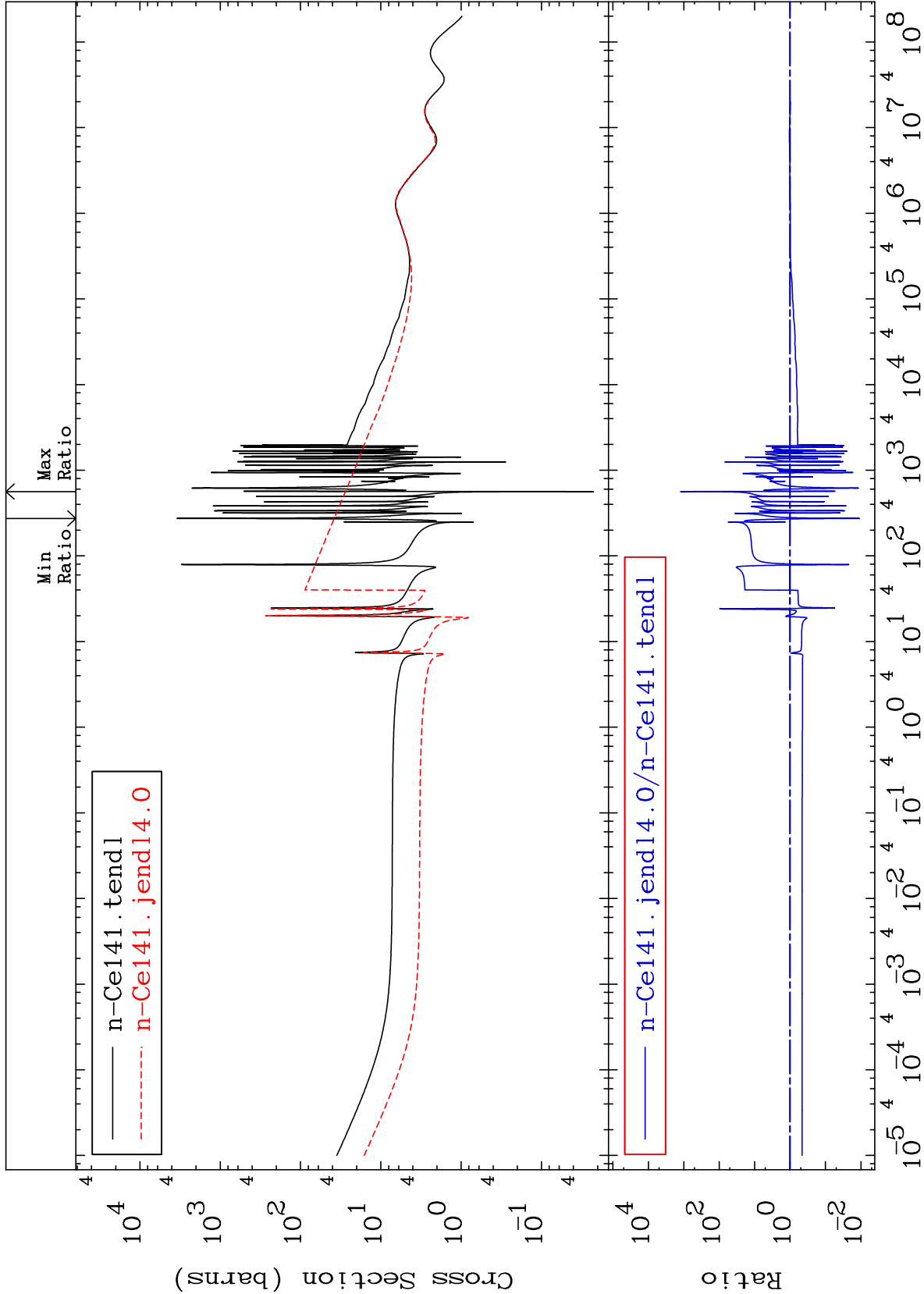
MAT 5840

Elastic

58-Ce-141

Cross Section

-98.91 To 9999. %

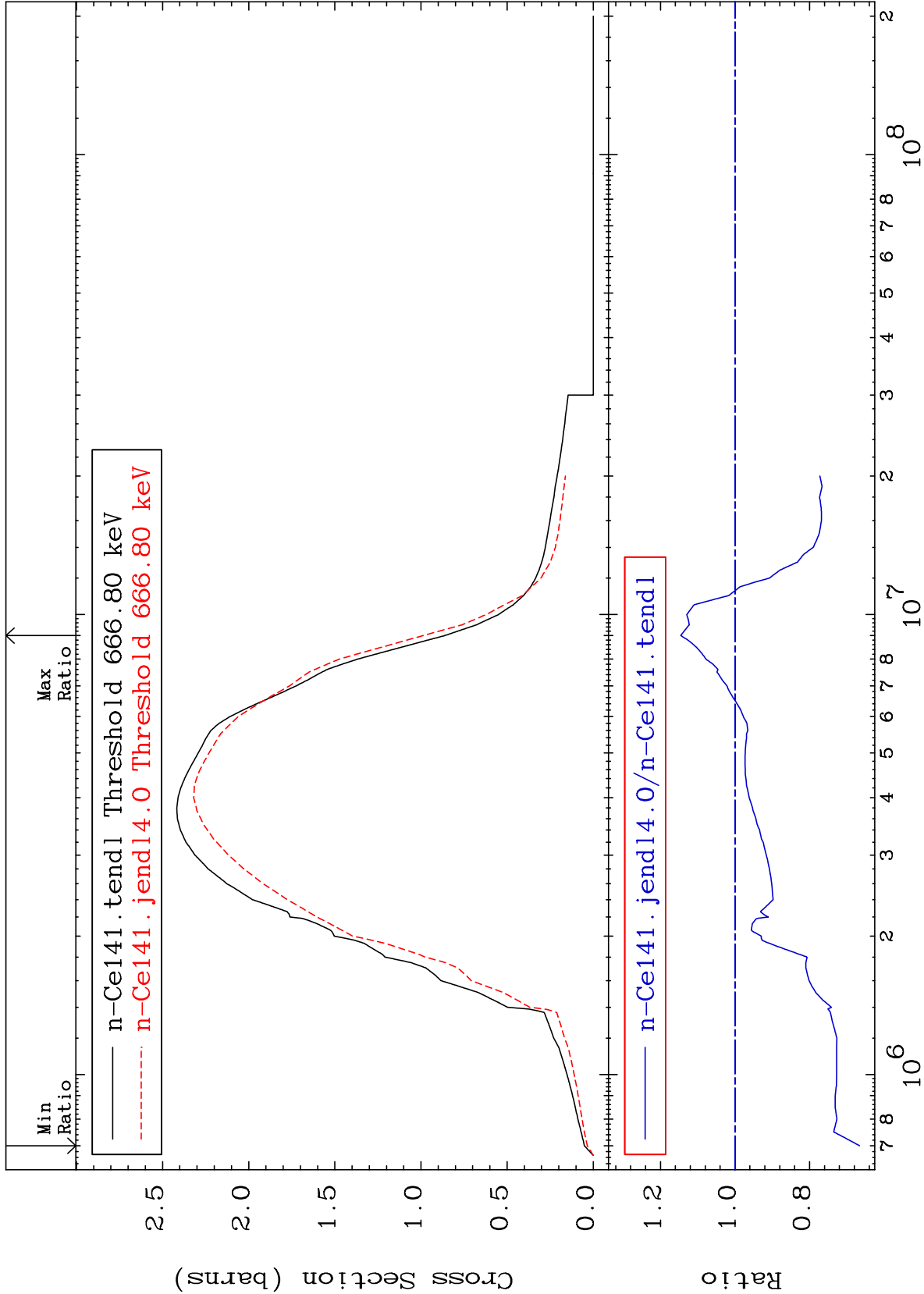


MAT 5840

58-Ce-141

Inelastic
Cross Section

-33.39 To 14.55 %



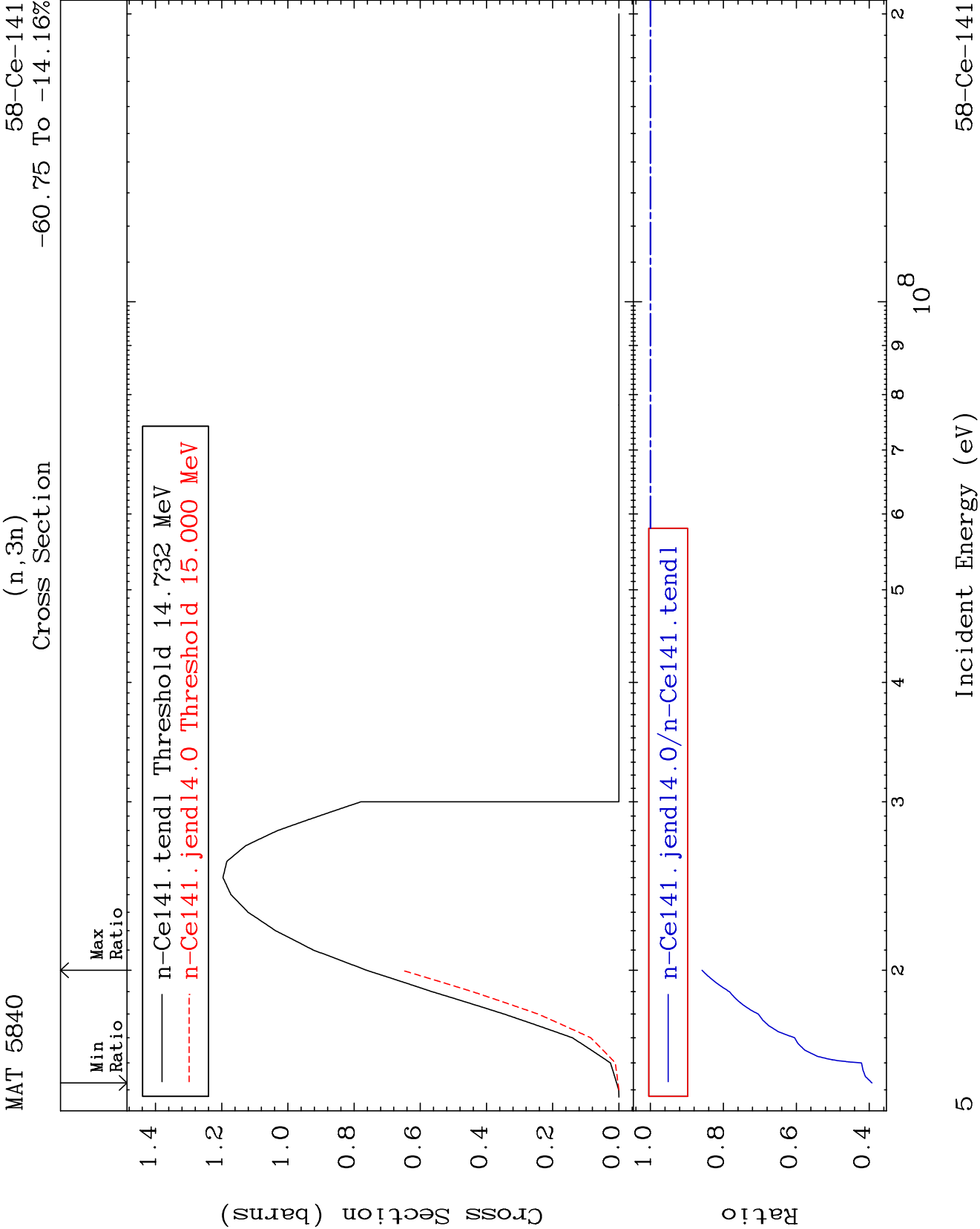
58-Ce-141

-39.55 To 23.87 %



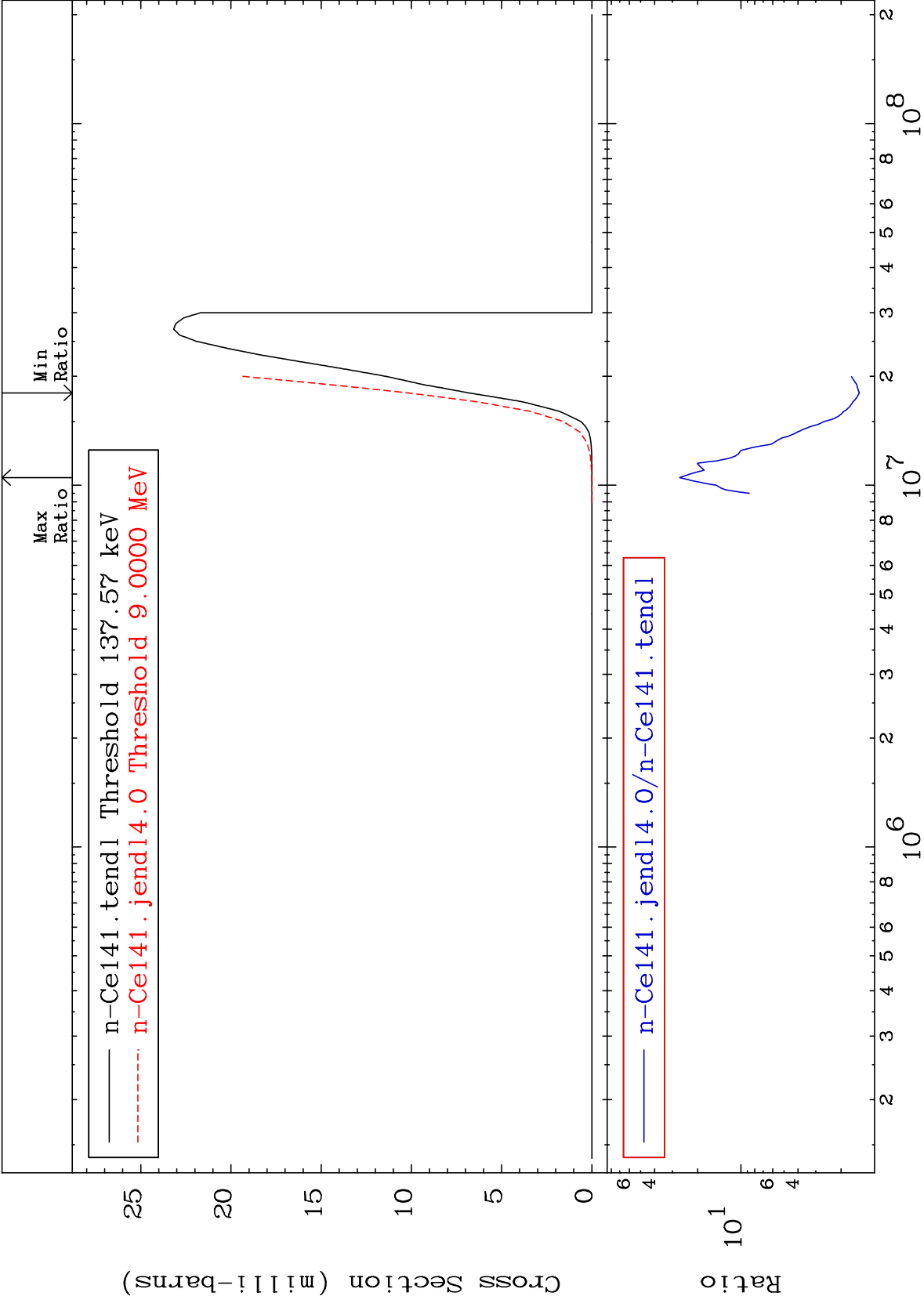
Incident Energy (eV)

4



MAT 5840

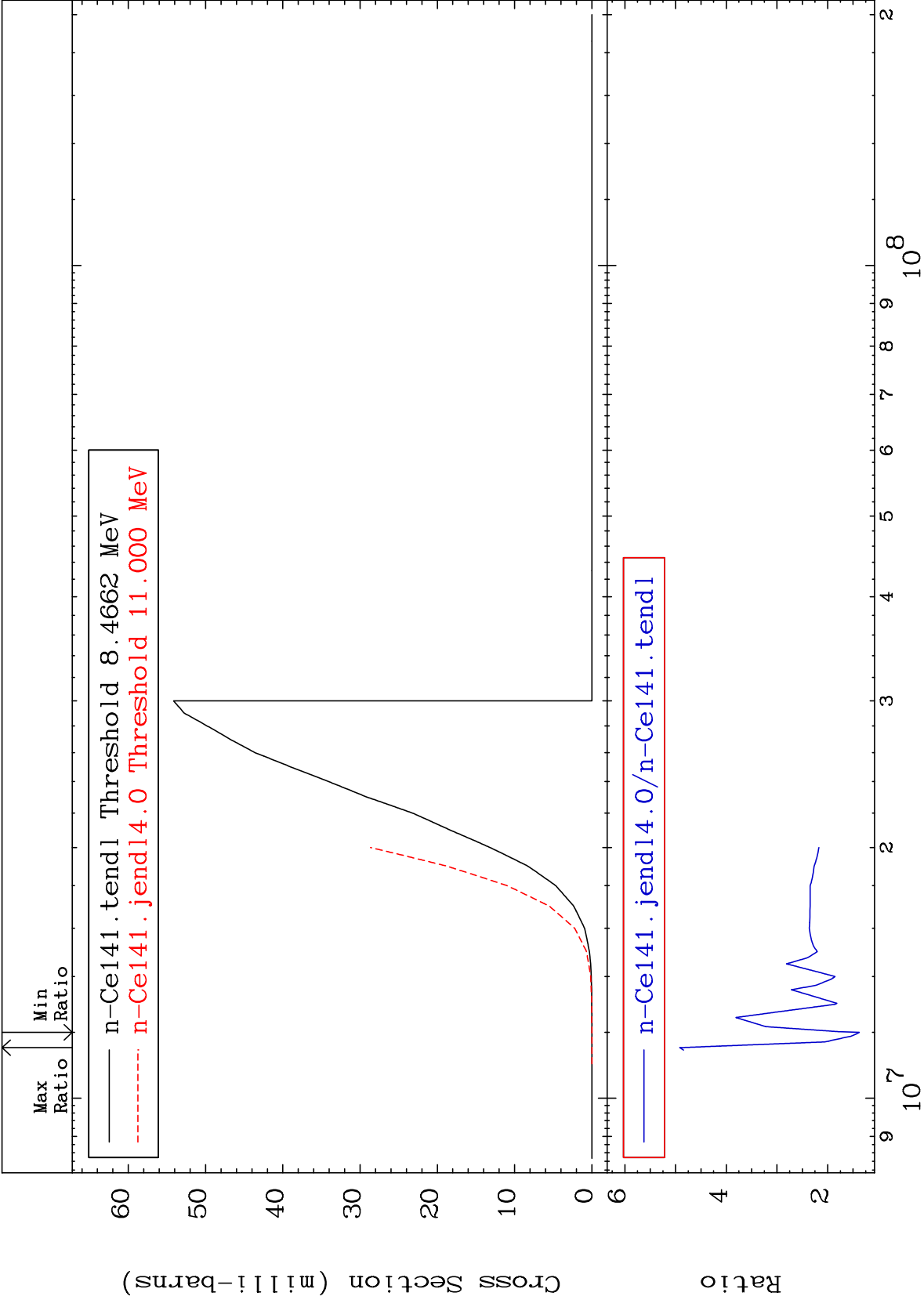
(n,n') α
Cross Section
58-Ce-141
49.47 To 2568. %

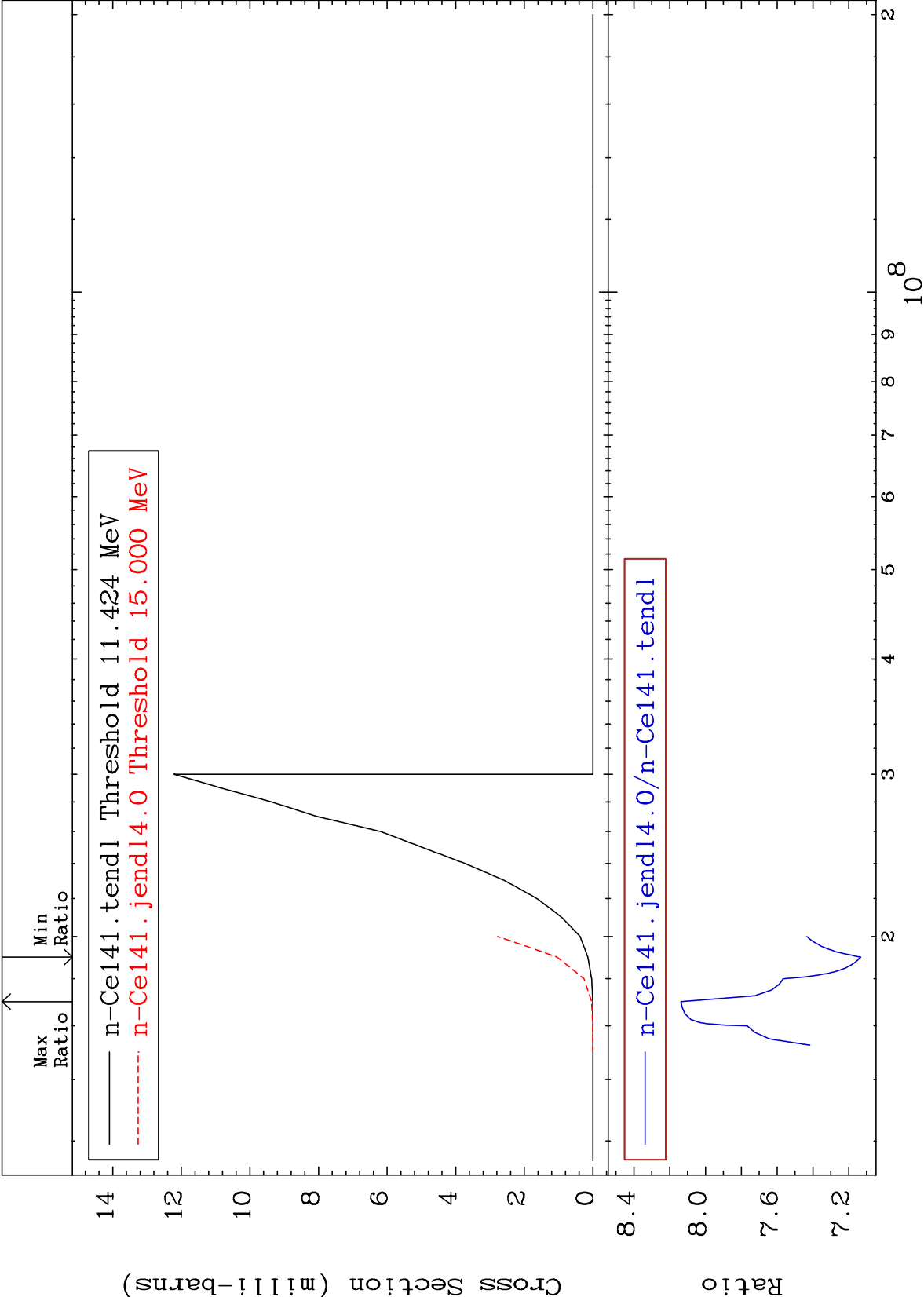


MAT 5840

(n,n') p
Cross Section

58-Ce-141
37.70 To 391.8 %

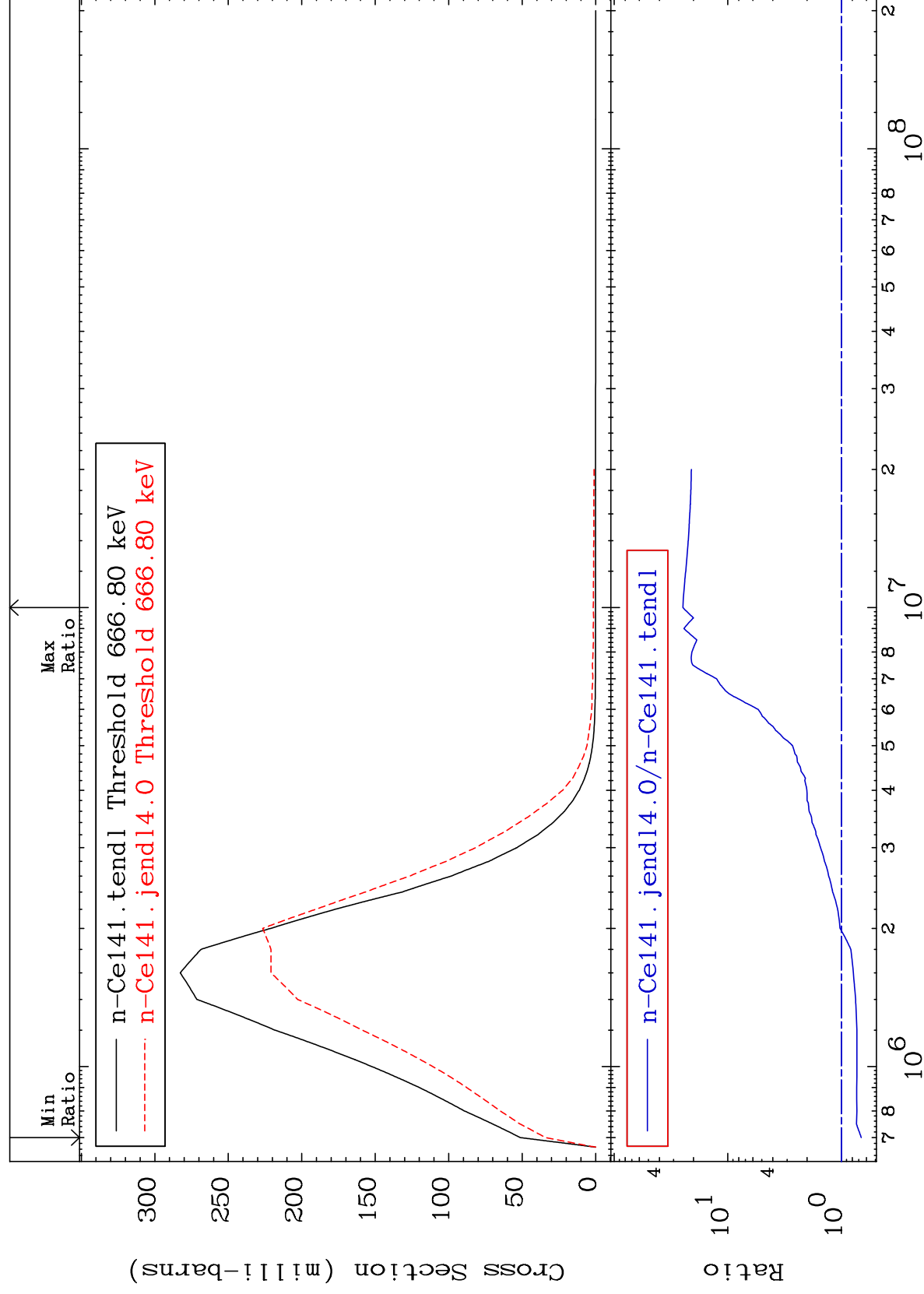




MAT 5840

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

58-Ce-141
-33.39 To 2380. %



9

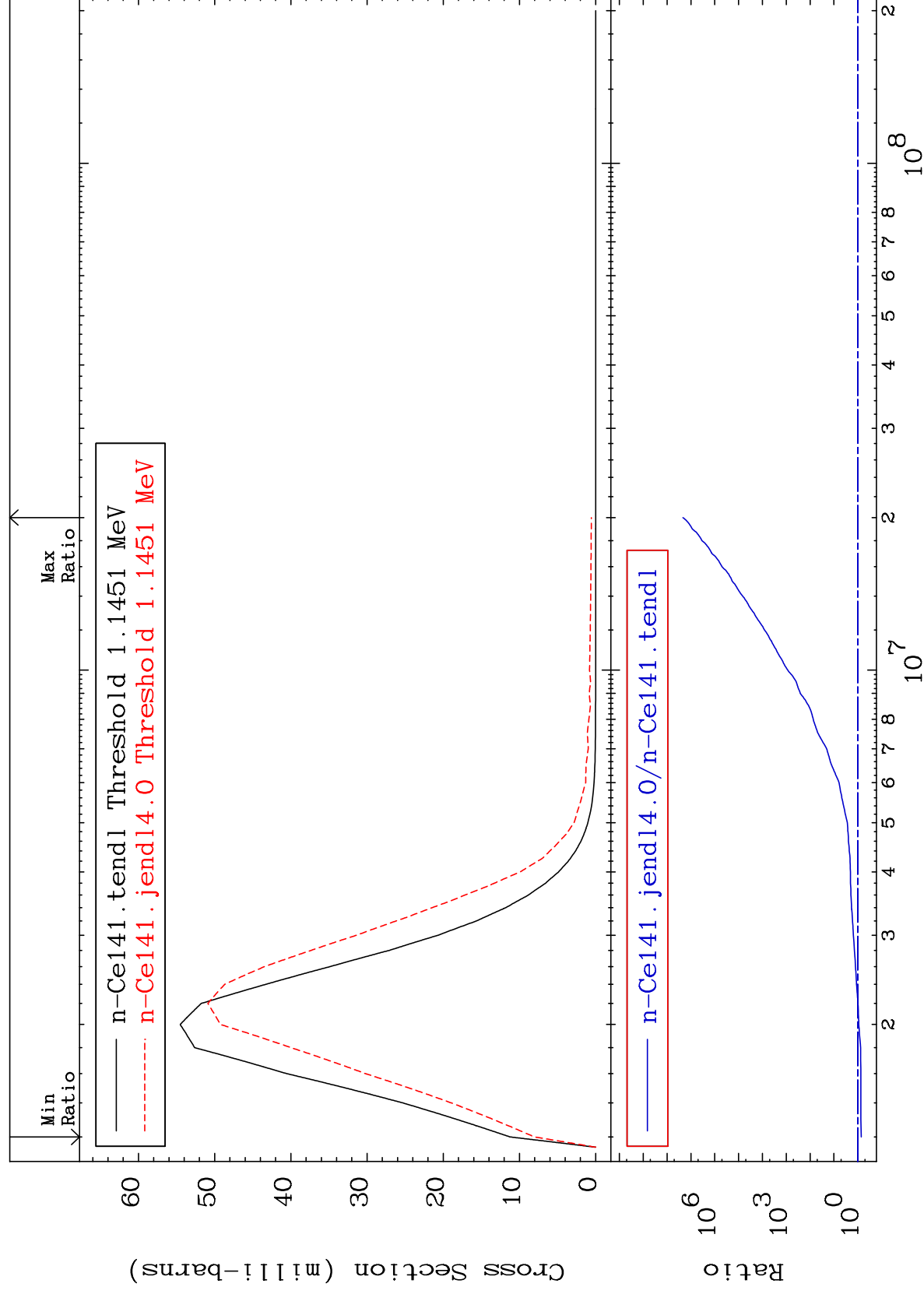
Incident Energy (eV)

58-Ce-141

MAT 5840

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

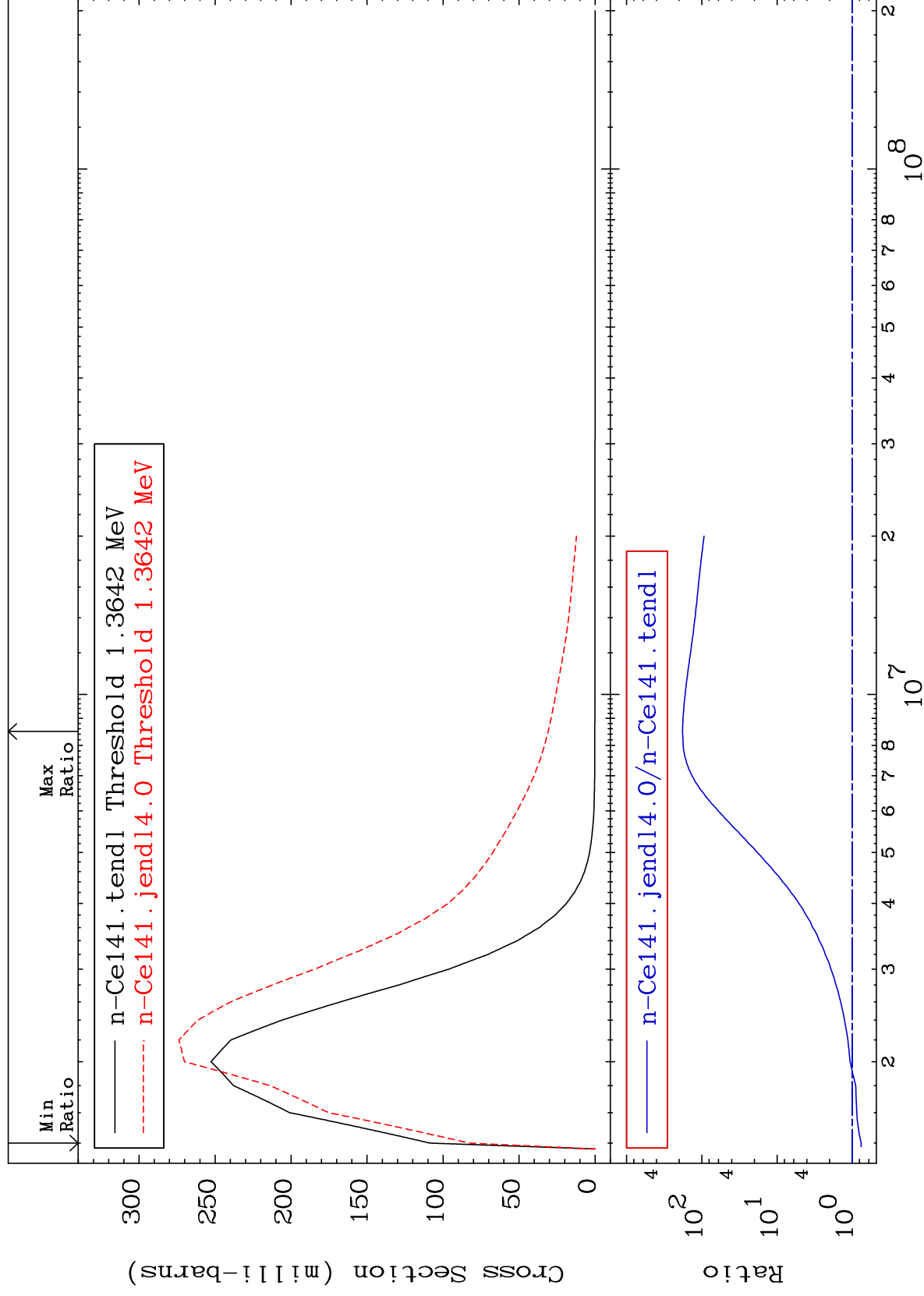
58-Ce-141
-28.50 To 9999. %



MAT 5840

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

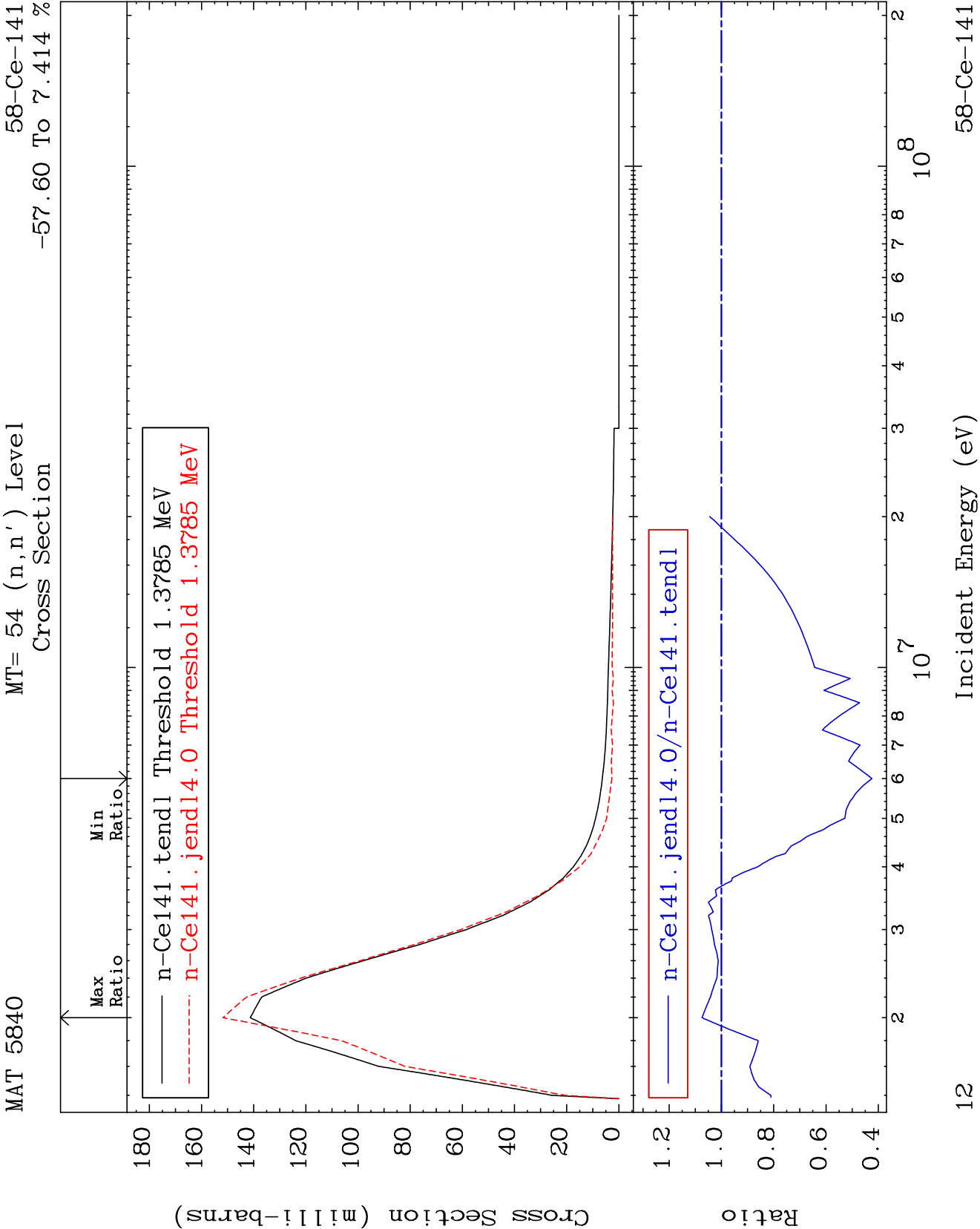
58-Ce-141
-23.84 To 9999. %



11

Incident Energy (eV)

 $^{58}\text{Ce-141}$



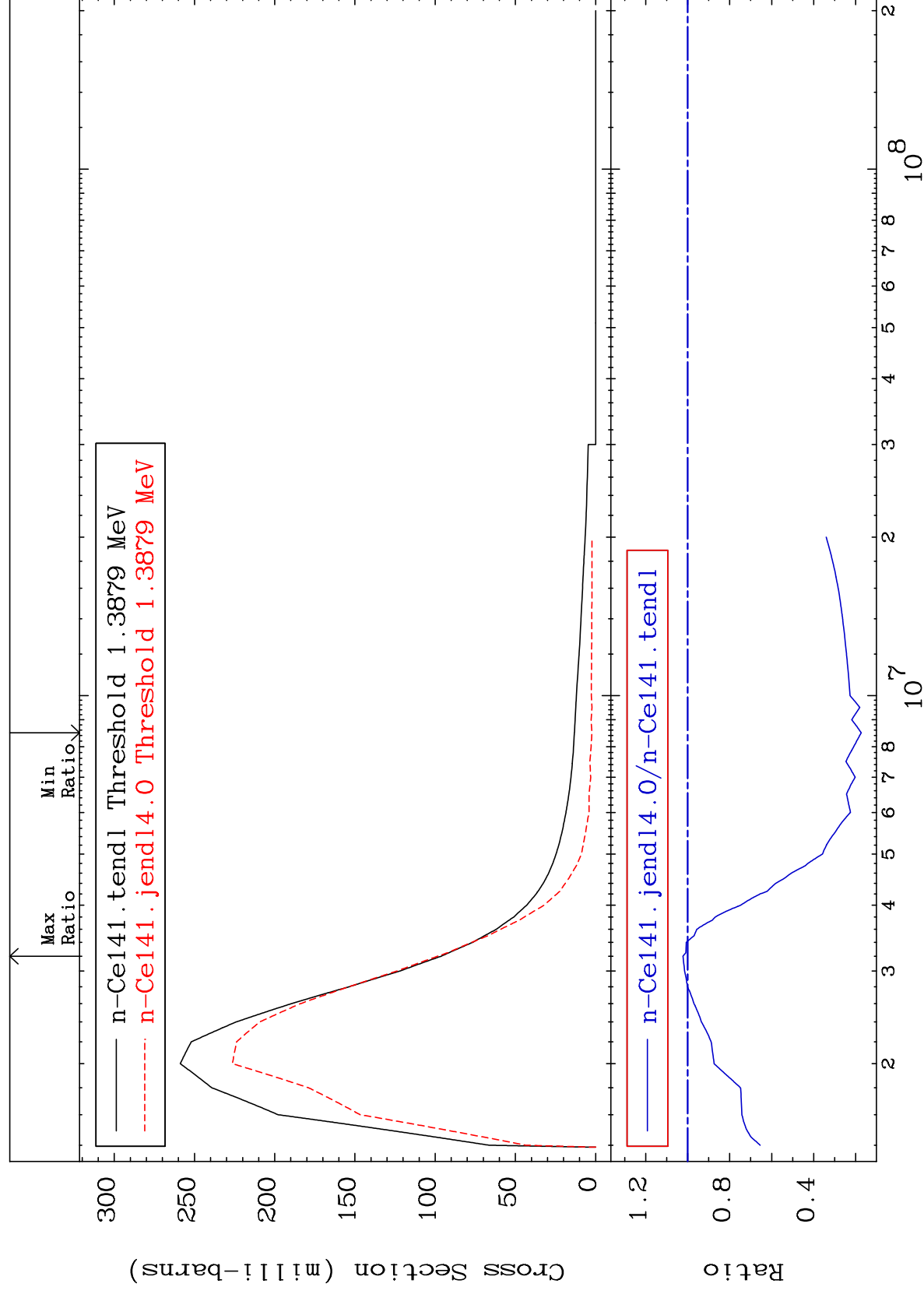
12

58-Ce-141

MAT 5840

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

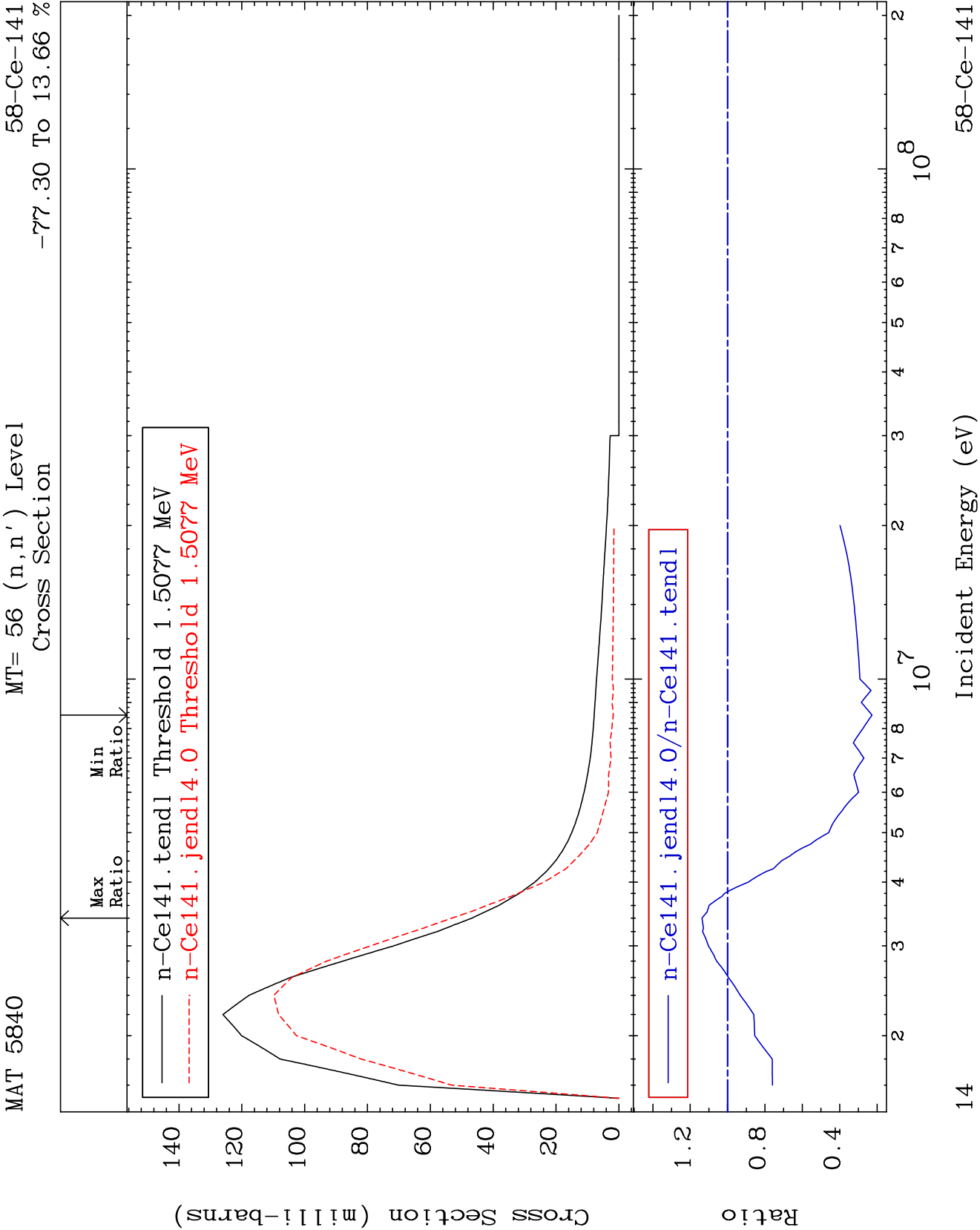
58-Ce-141
-82.67 To 2.269 %



13

Incident Energy (eV)

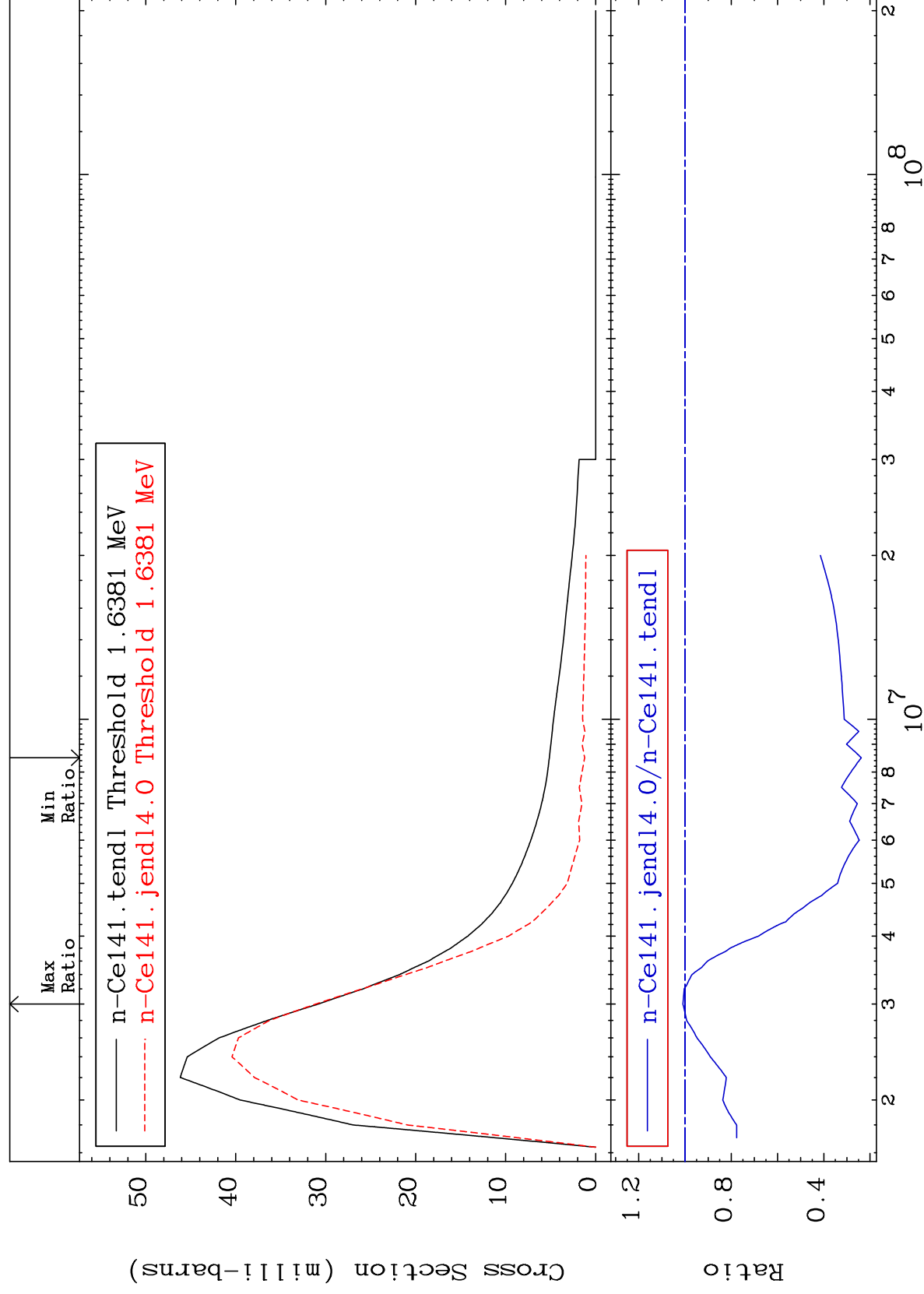
58-Ce-141

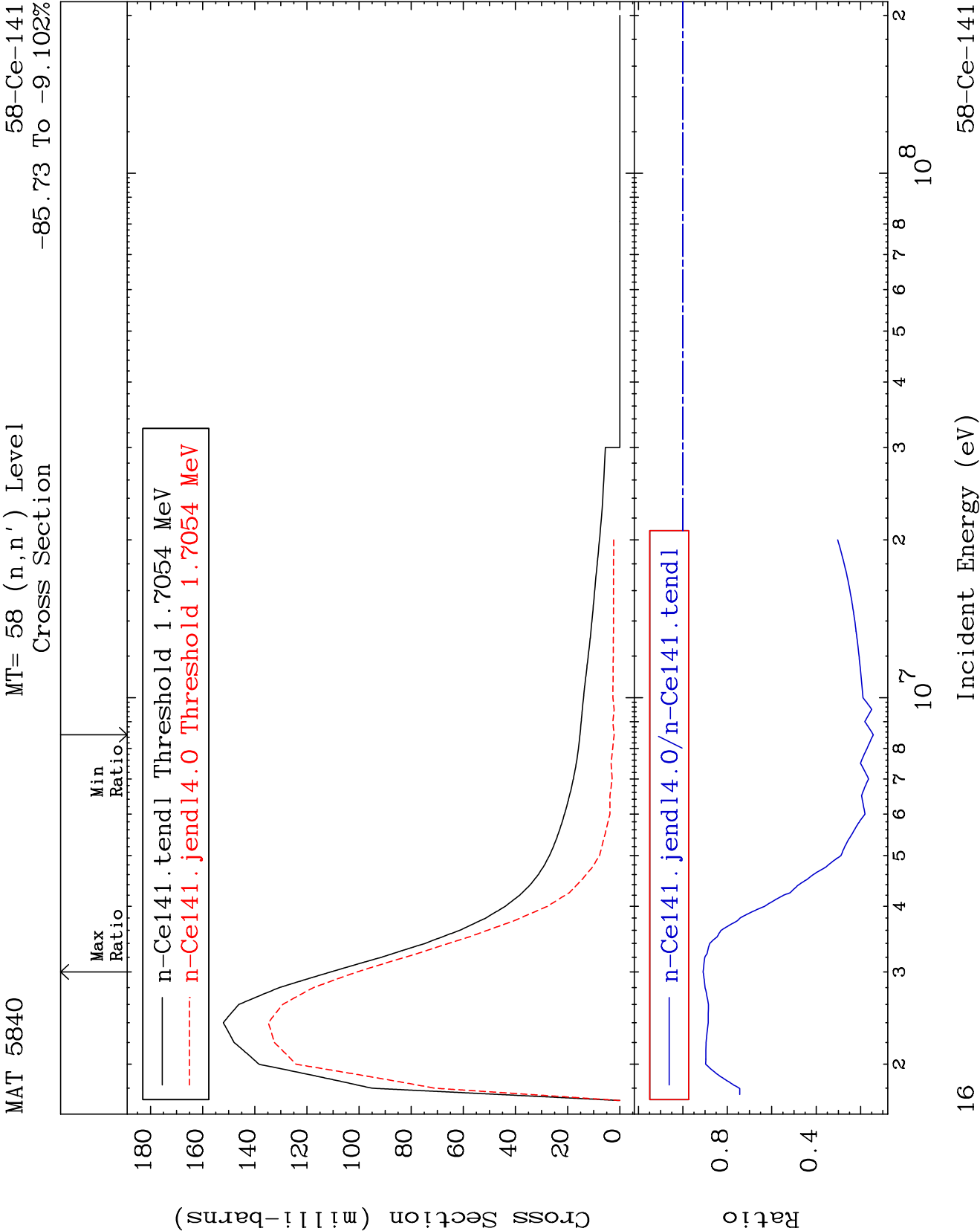


MAT 5840

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

58-Ce-141
-76.20 To 0.894 %

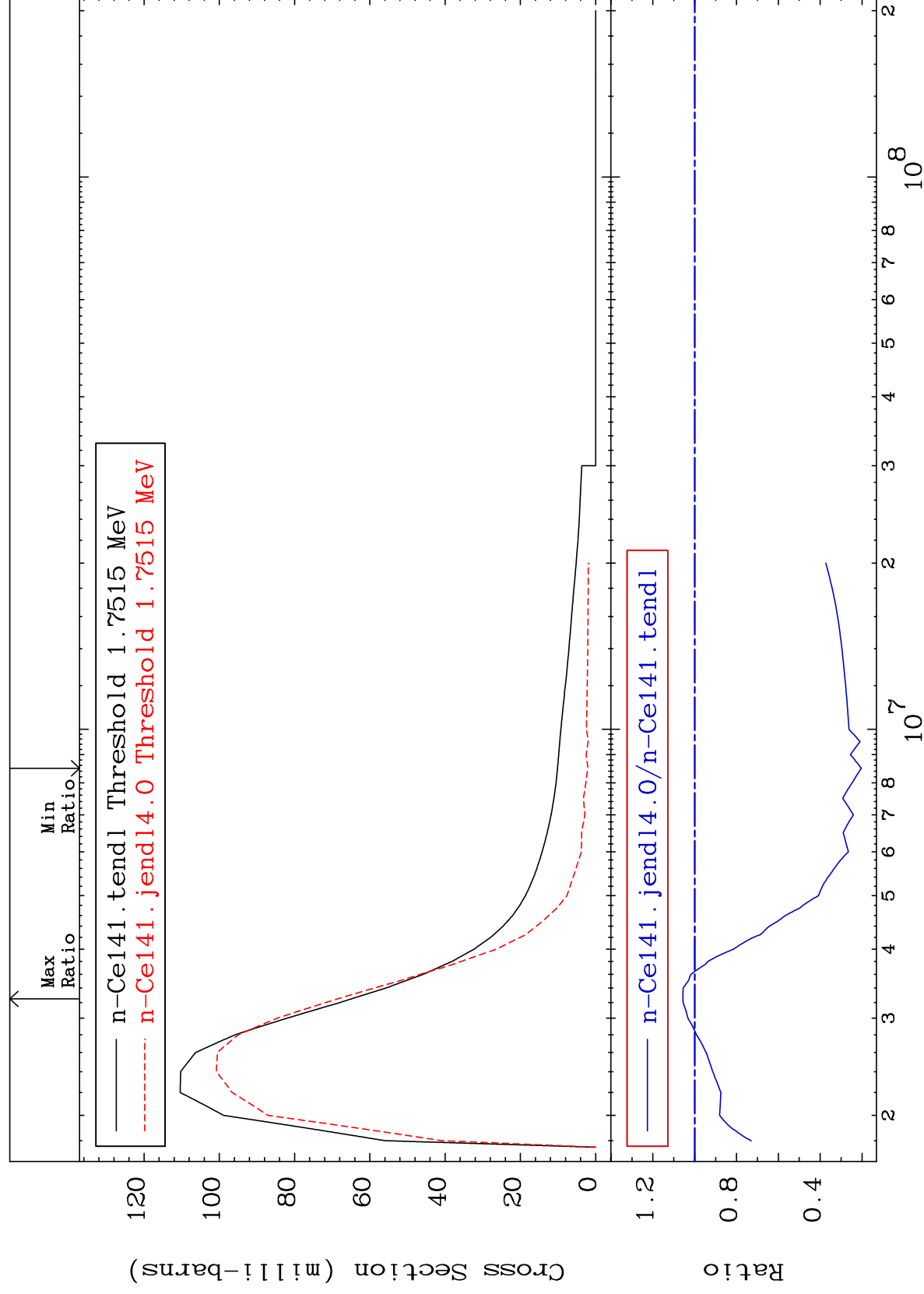




MAT 5840

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

58-Ce-141
-79.64 To 5.619 %



21

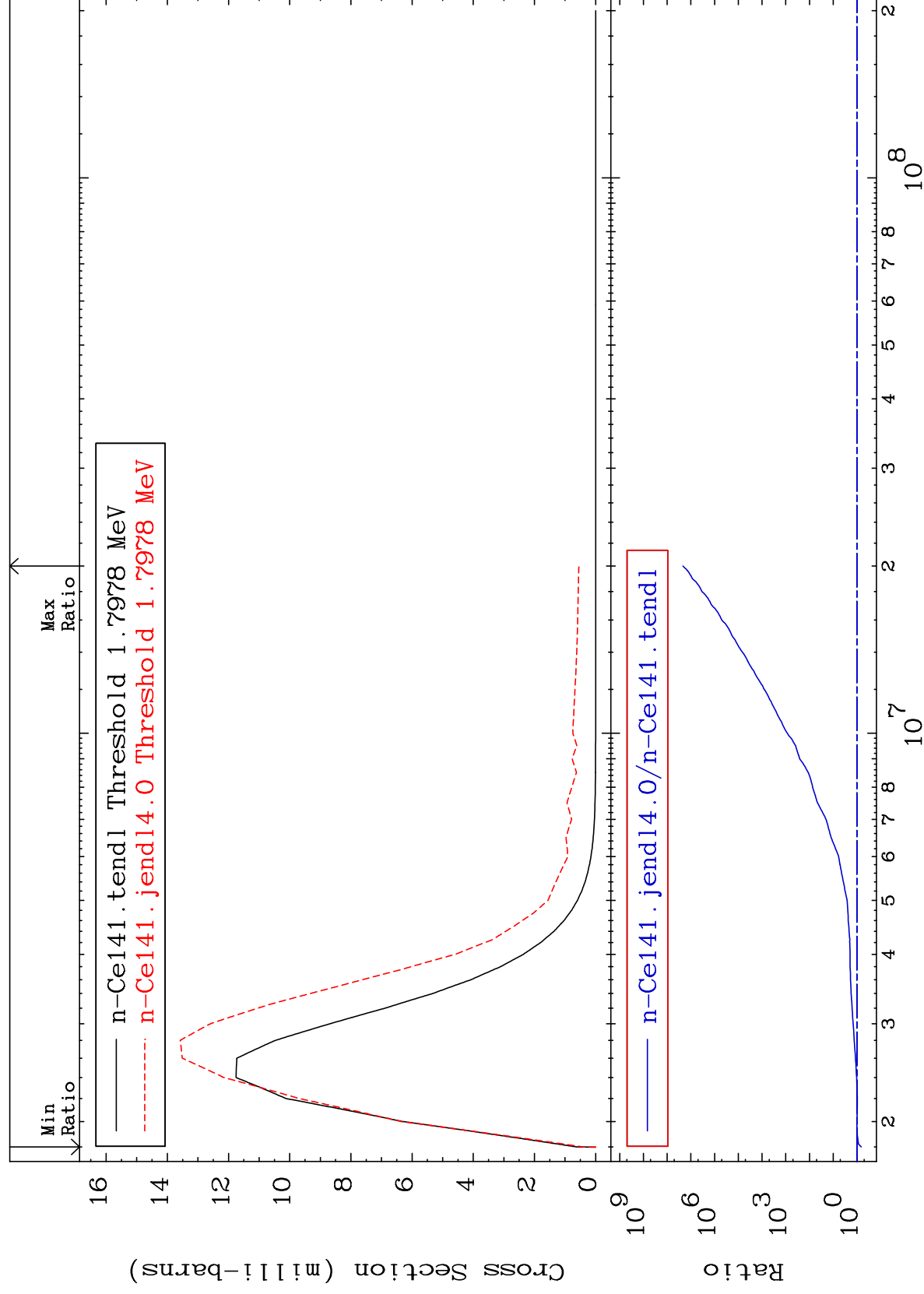
Incident Energy (eV)

 $^{58}\text{Ce-141}$

MAT 5840

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

58-Ce-141
-34.22 To 9999. %



18

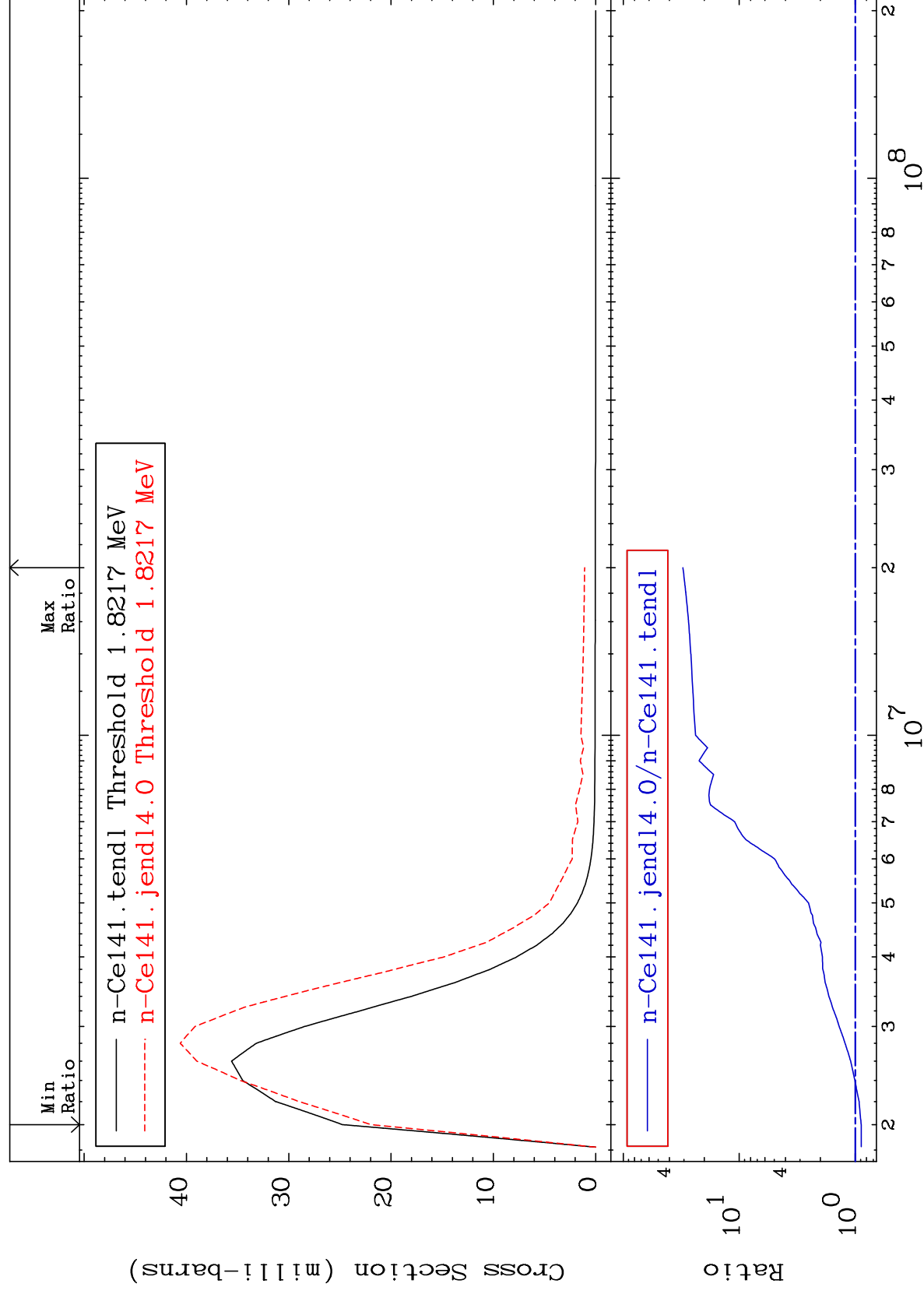
Incident Energy (eV)

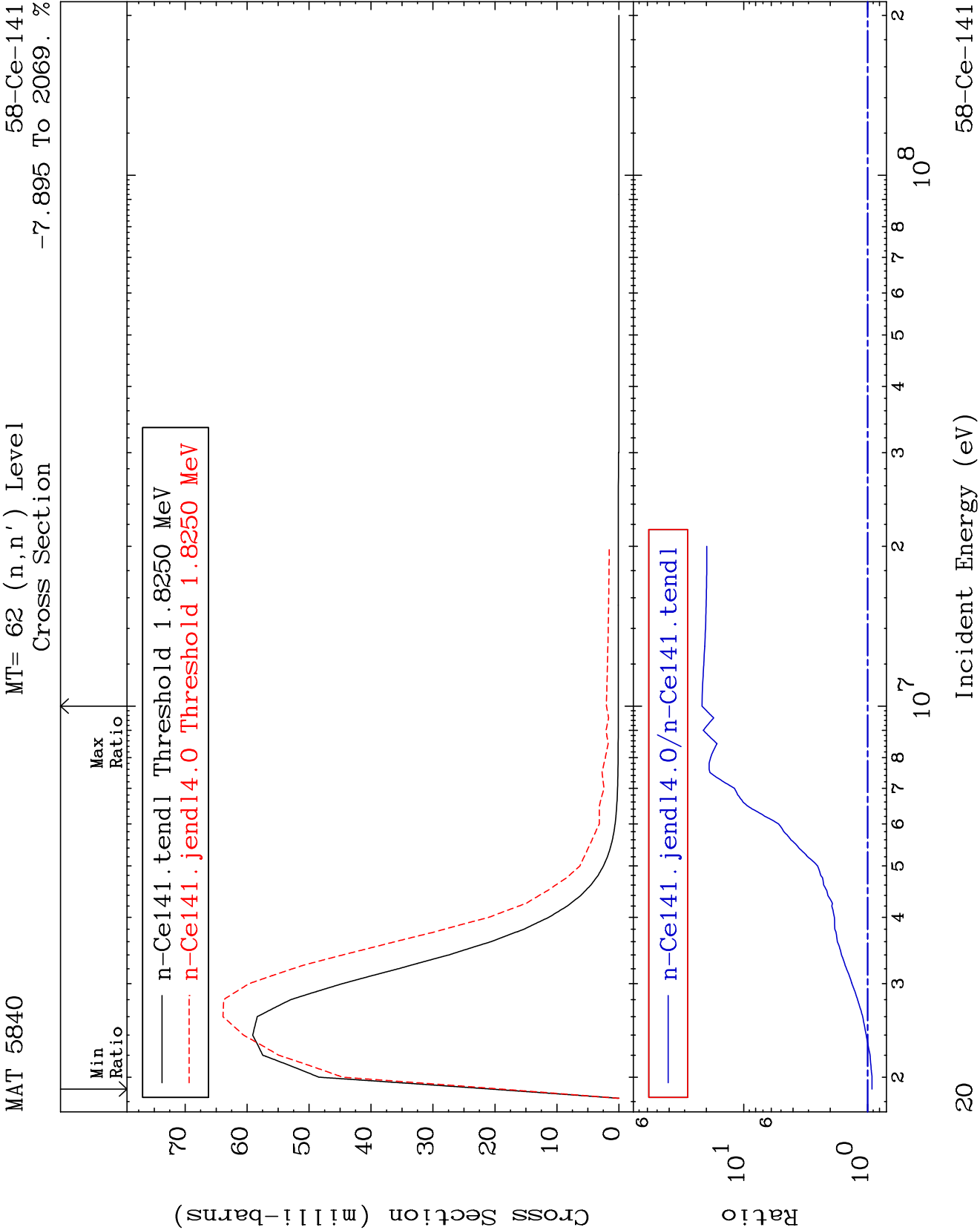
 $^{58}\text{Ce-141}$

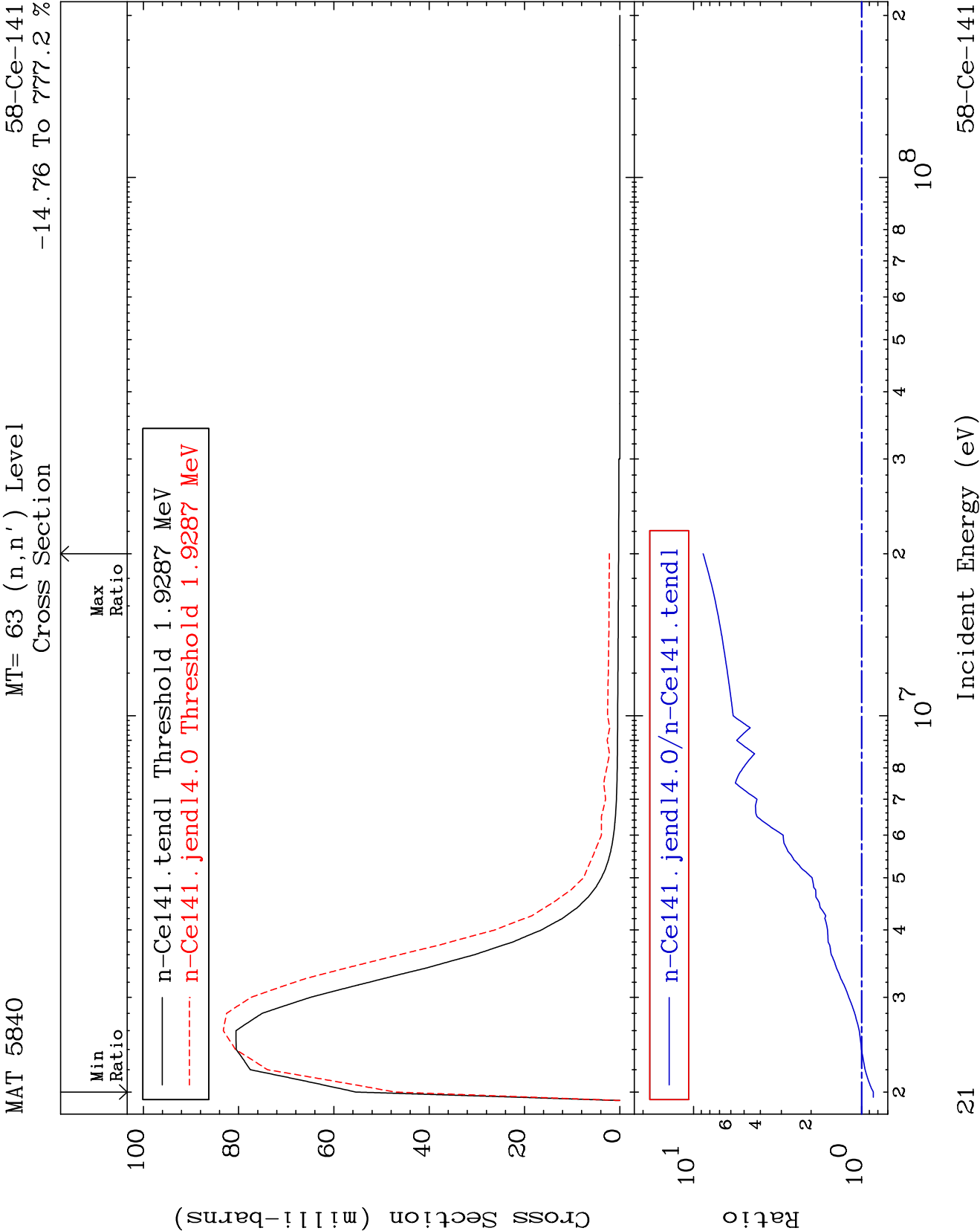
MAT 5840

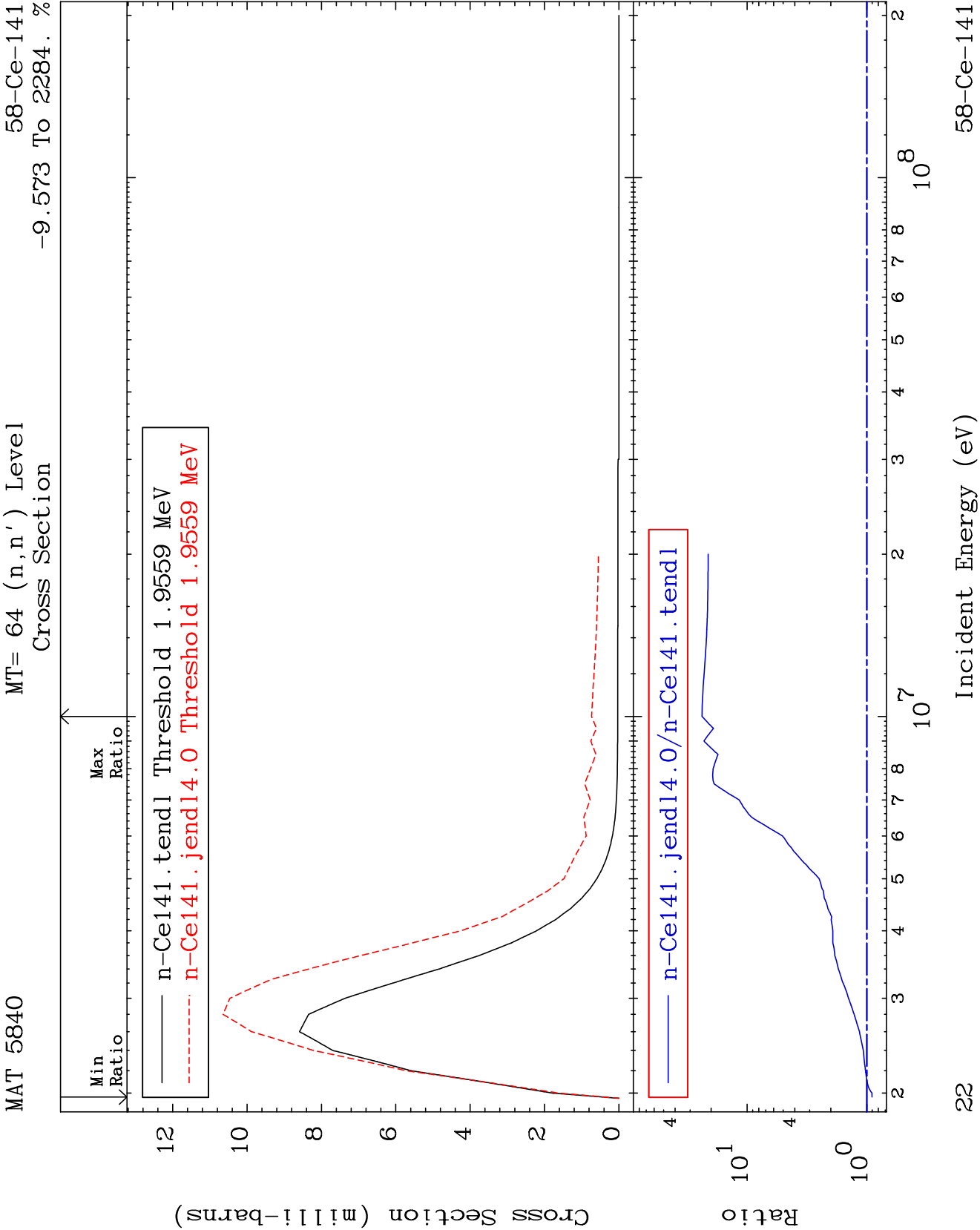
MT= 61 (n, n') Level
Cross Section

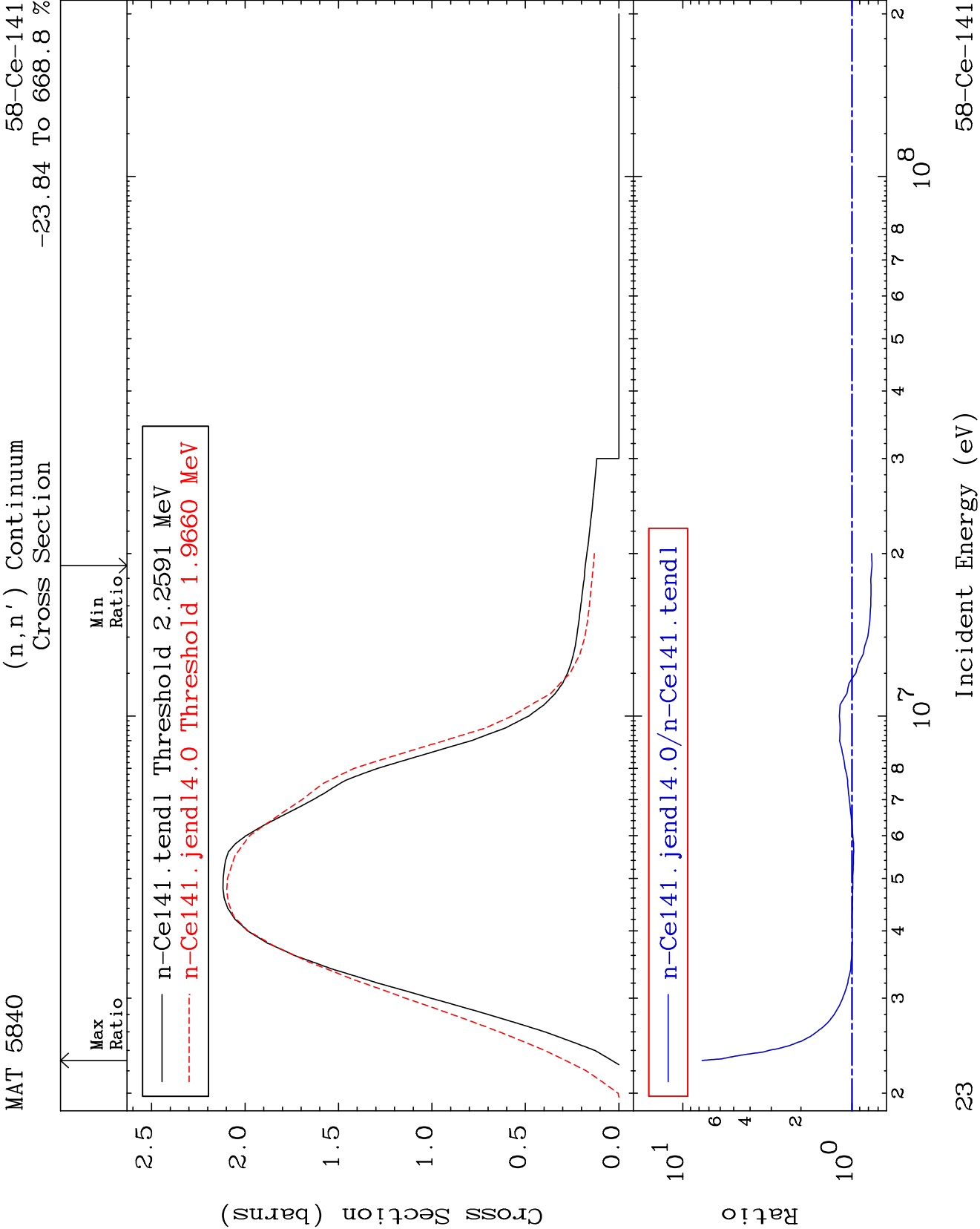
^{58}Ce -141
-11.24 To 2957. %

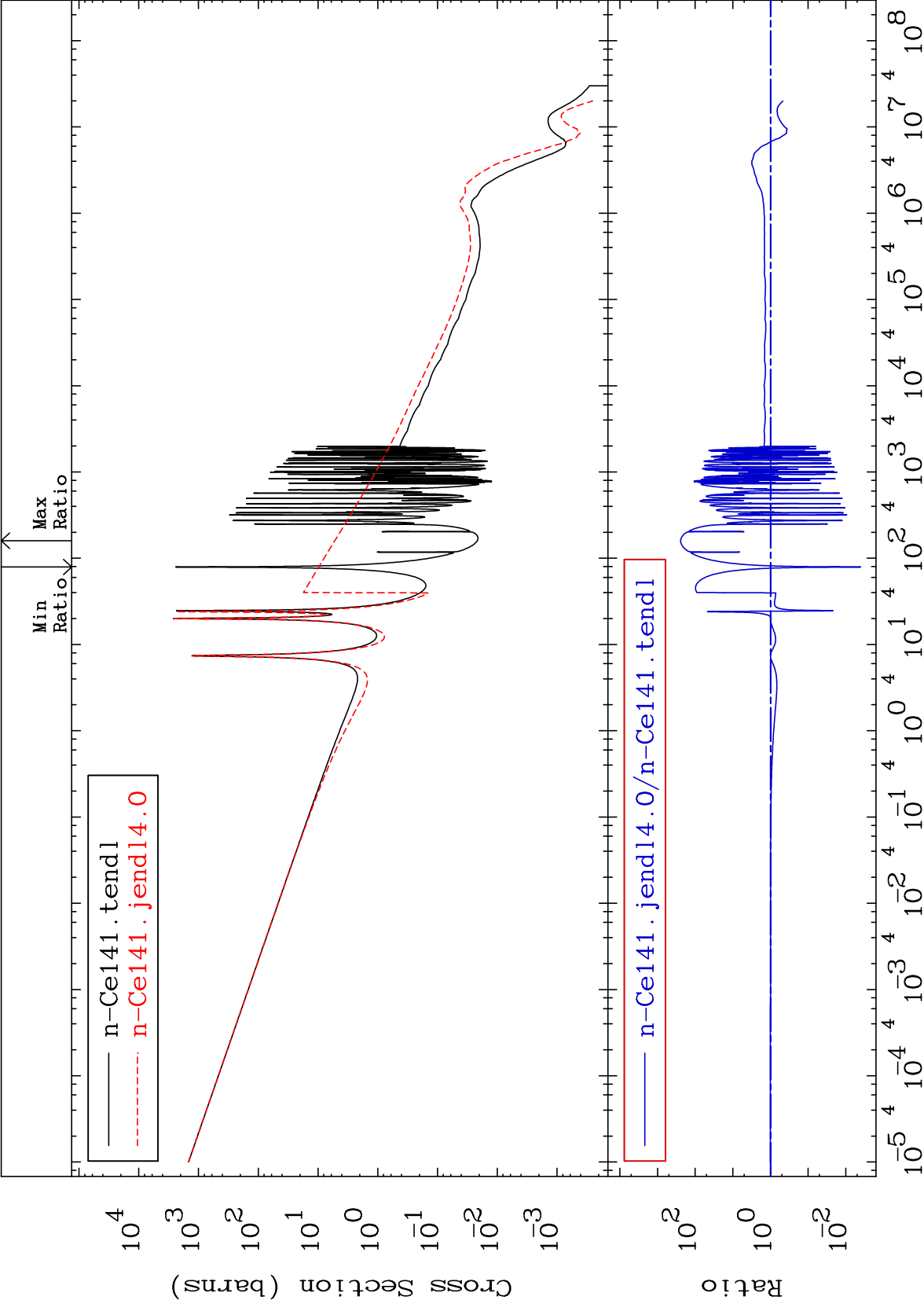








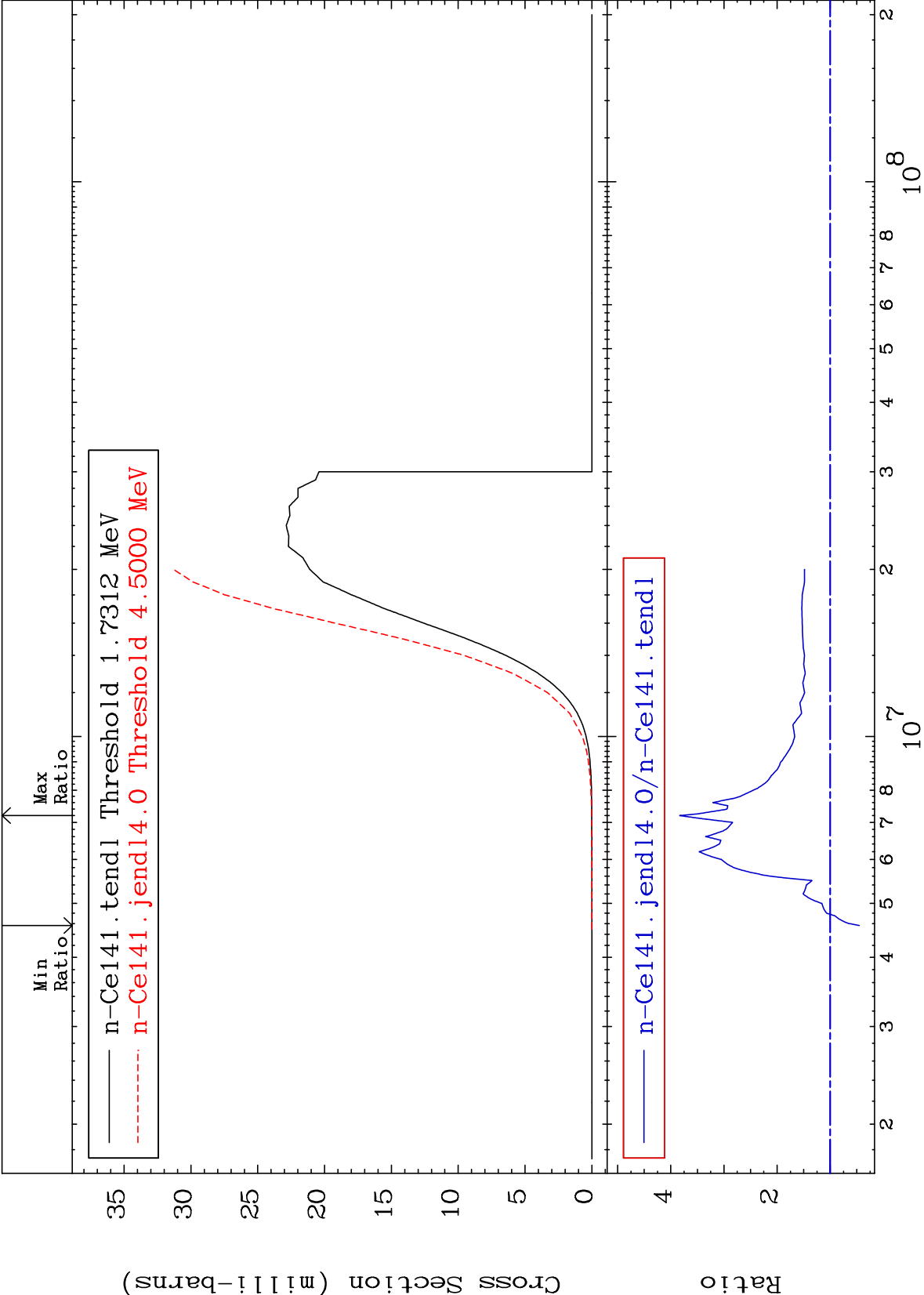


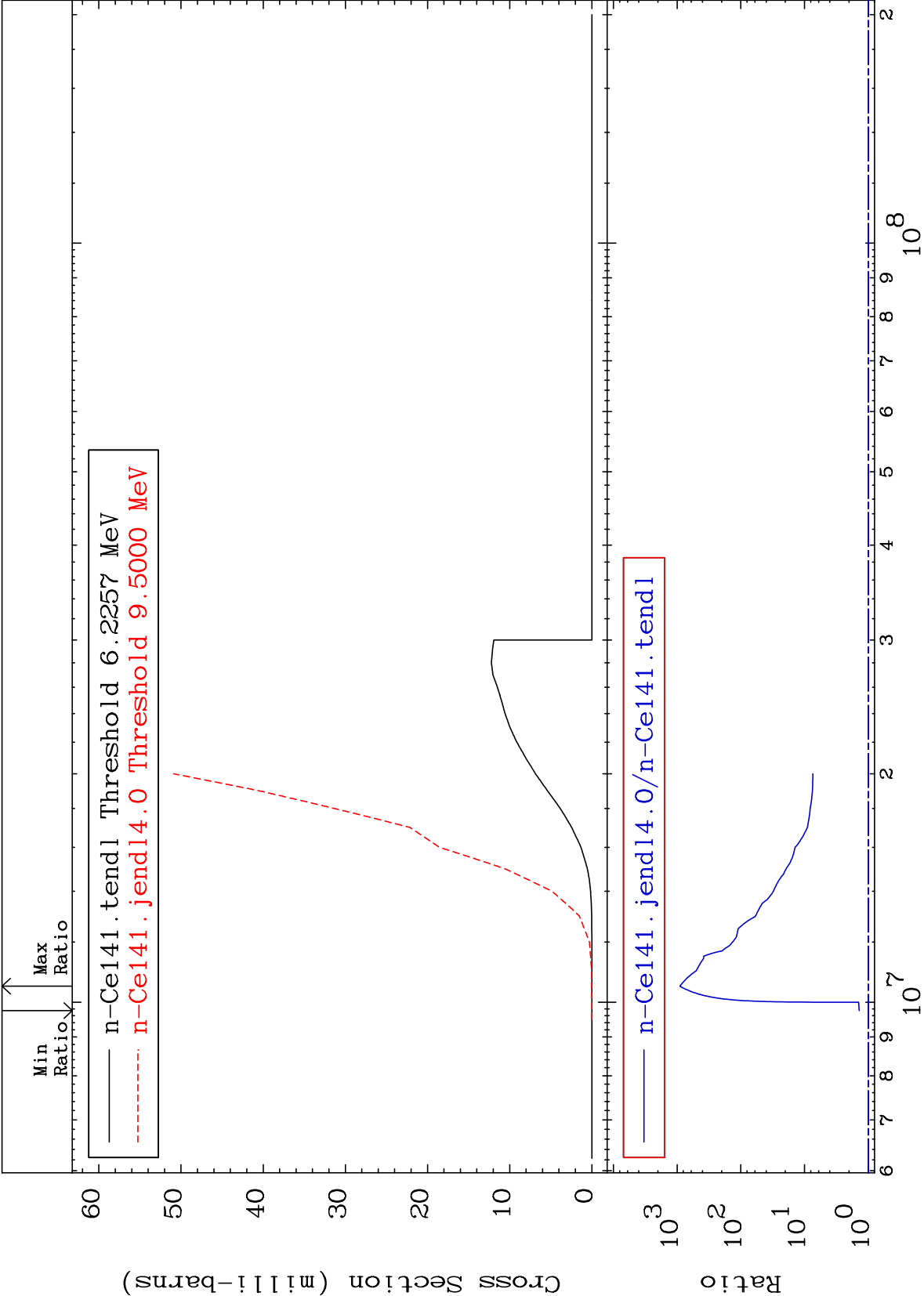


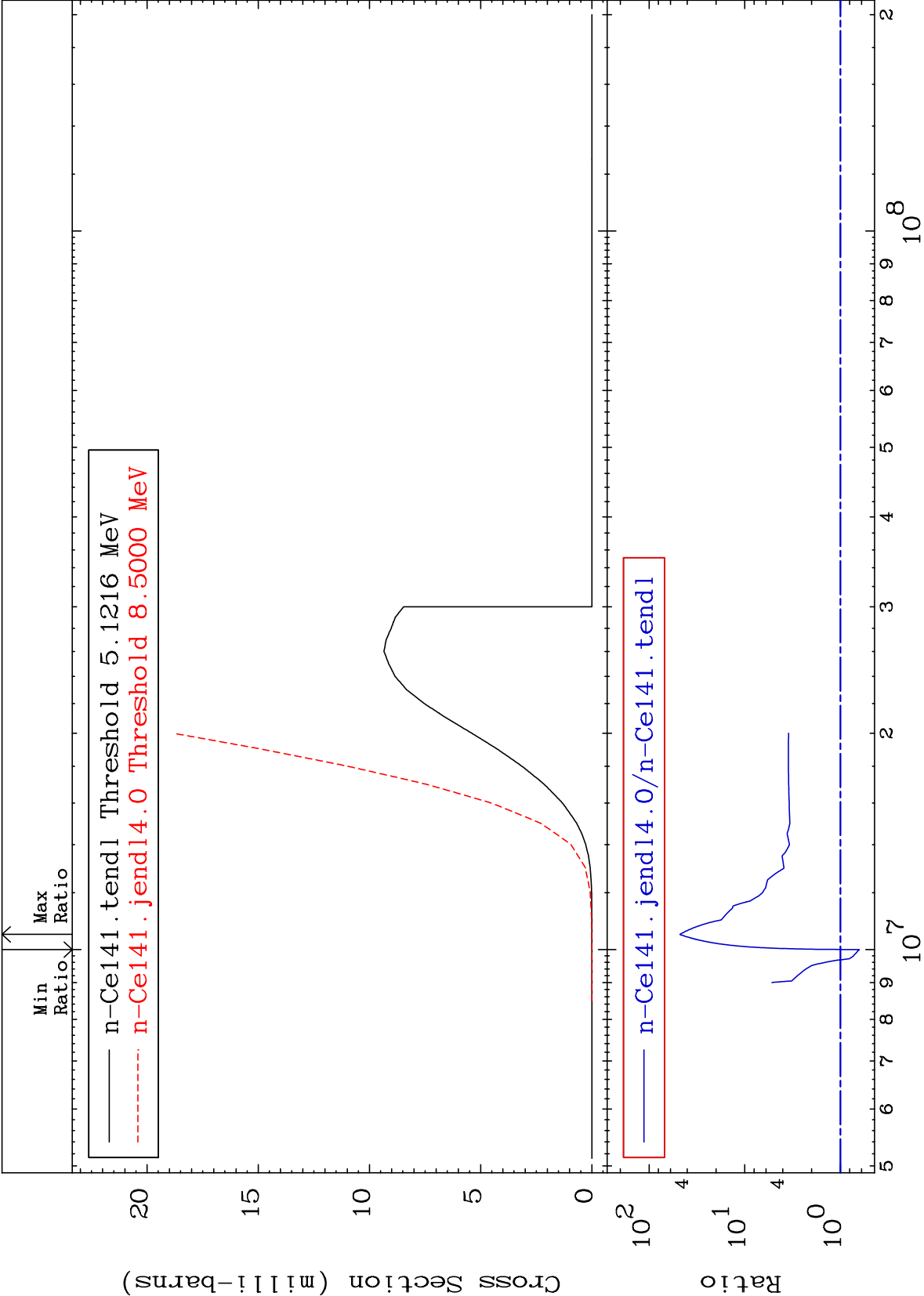
MAT 5840

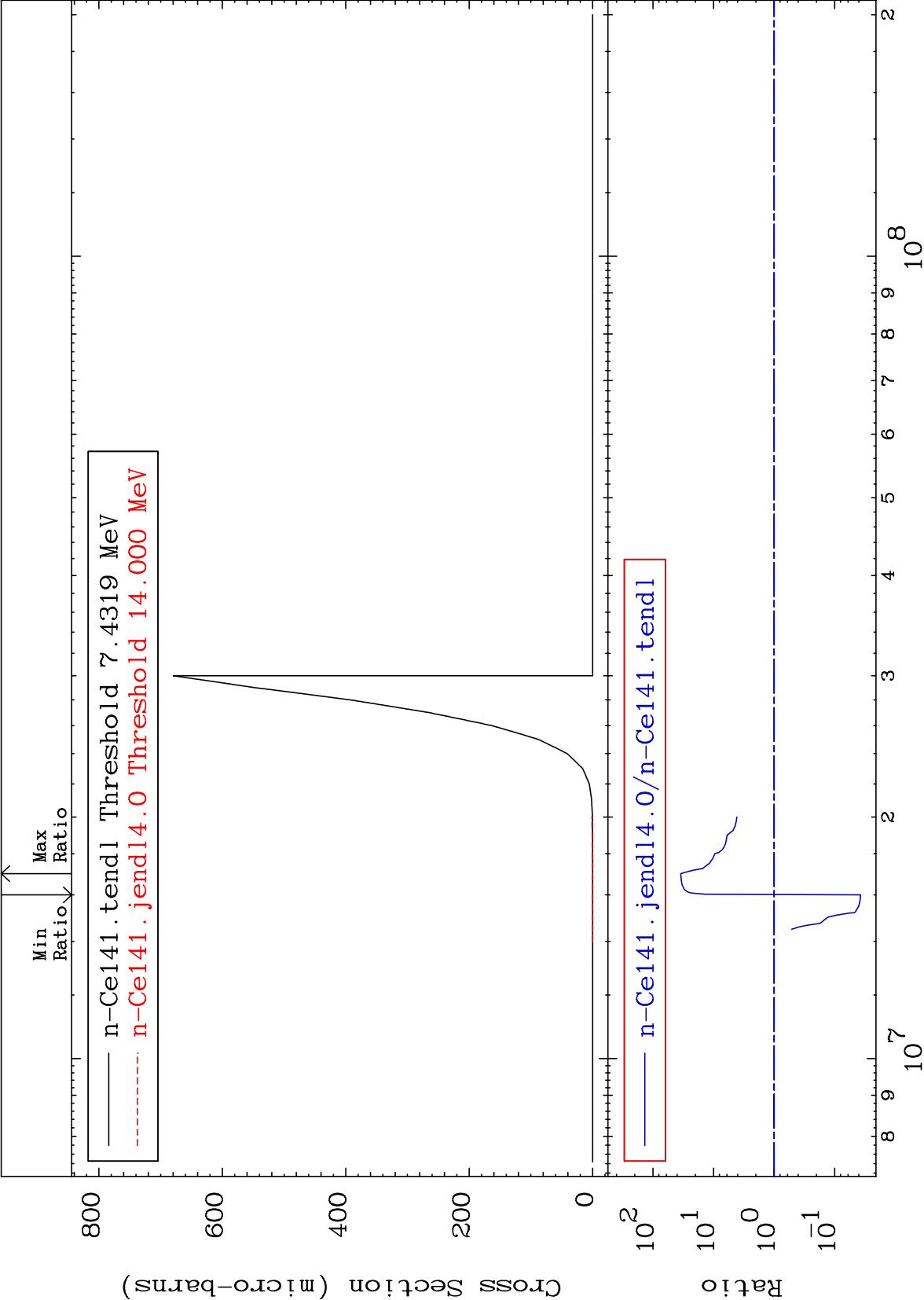
(n,p)
Cross Section

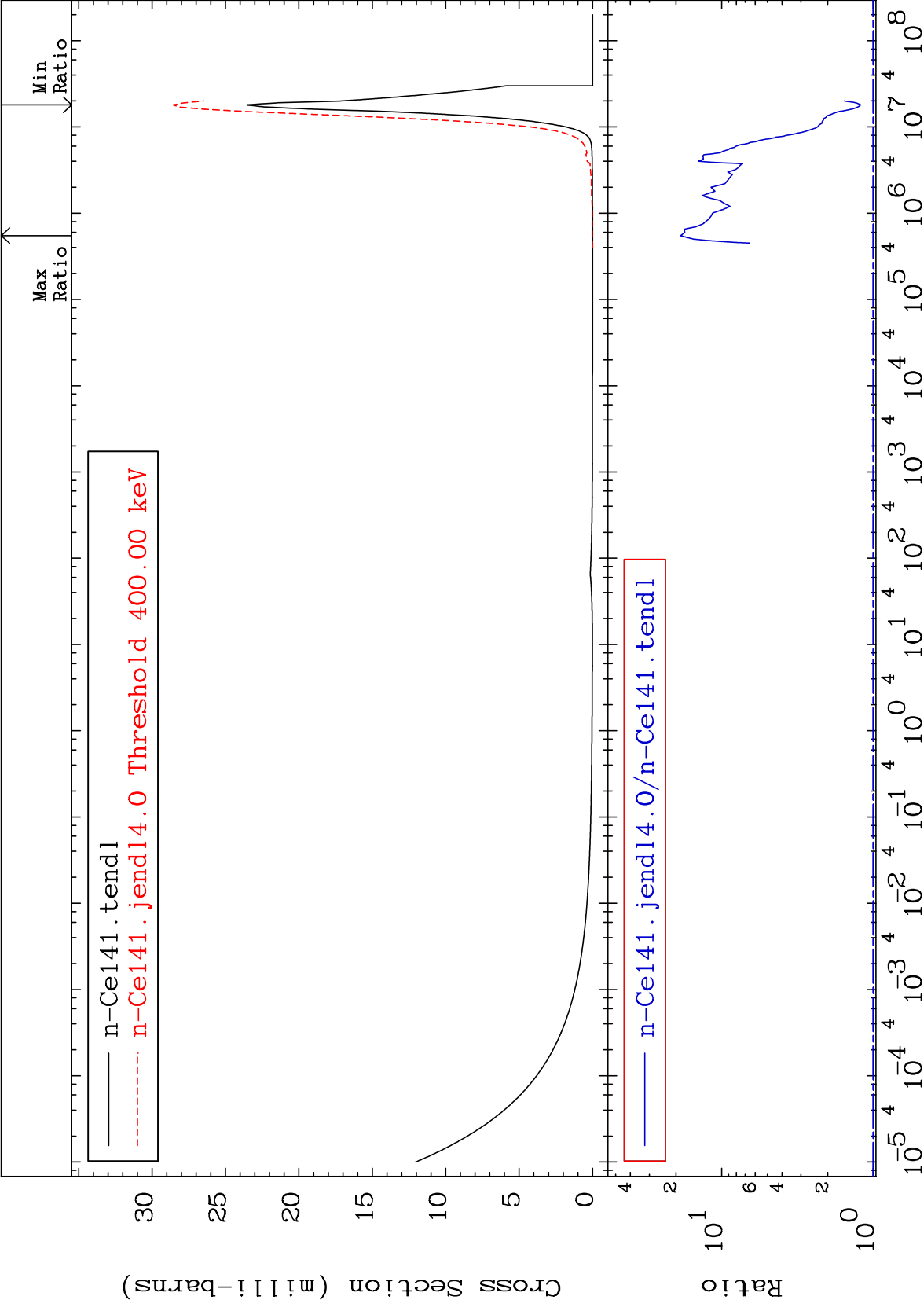
58-Ce-141
-54.60 To 283.2 %









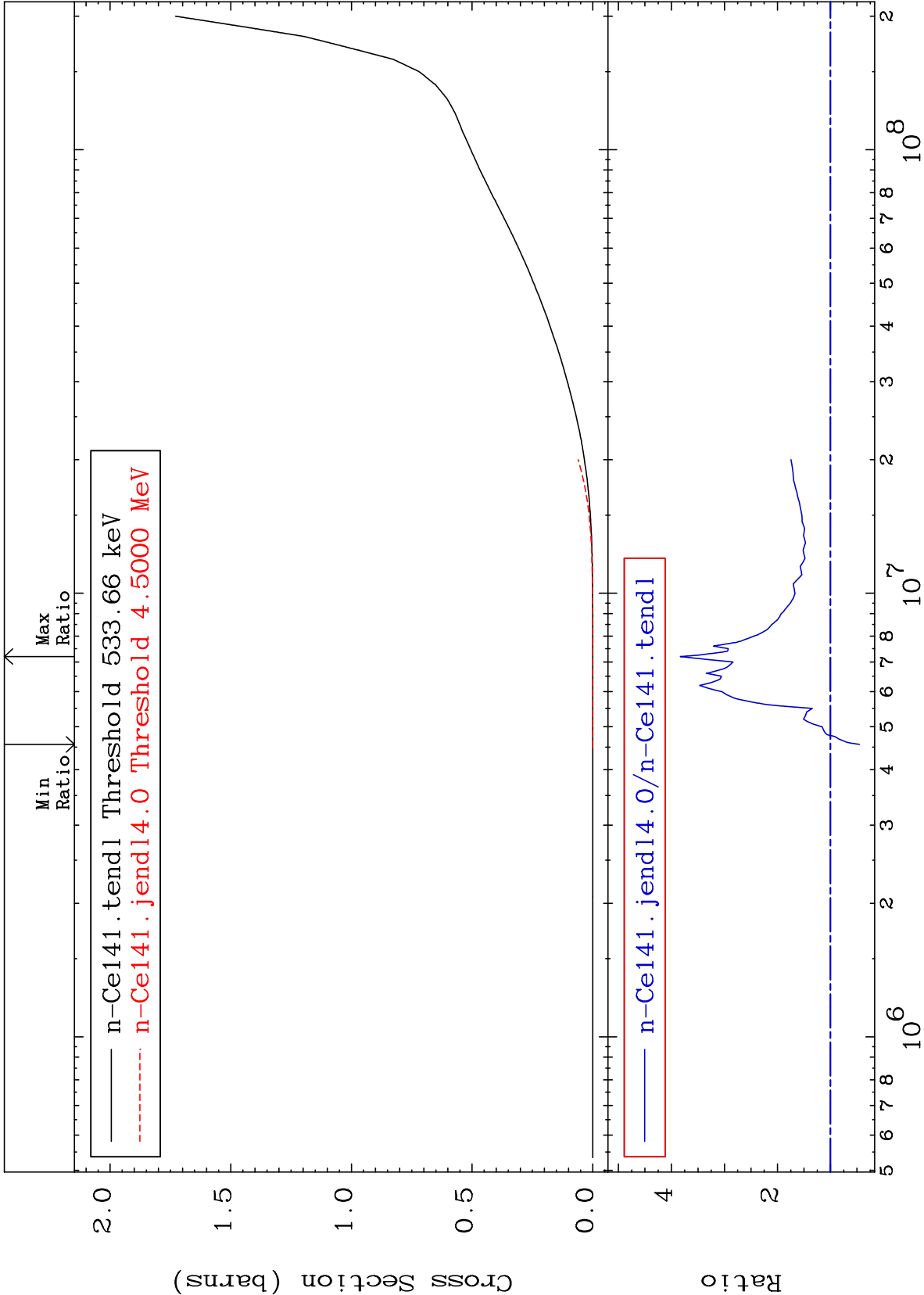


MAT 5840

Hydrogen Production
Cross Section

58-Ce-141

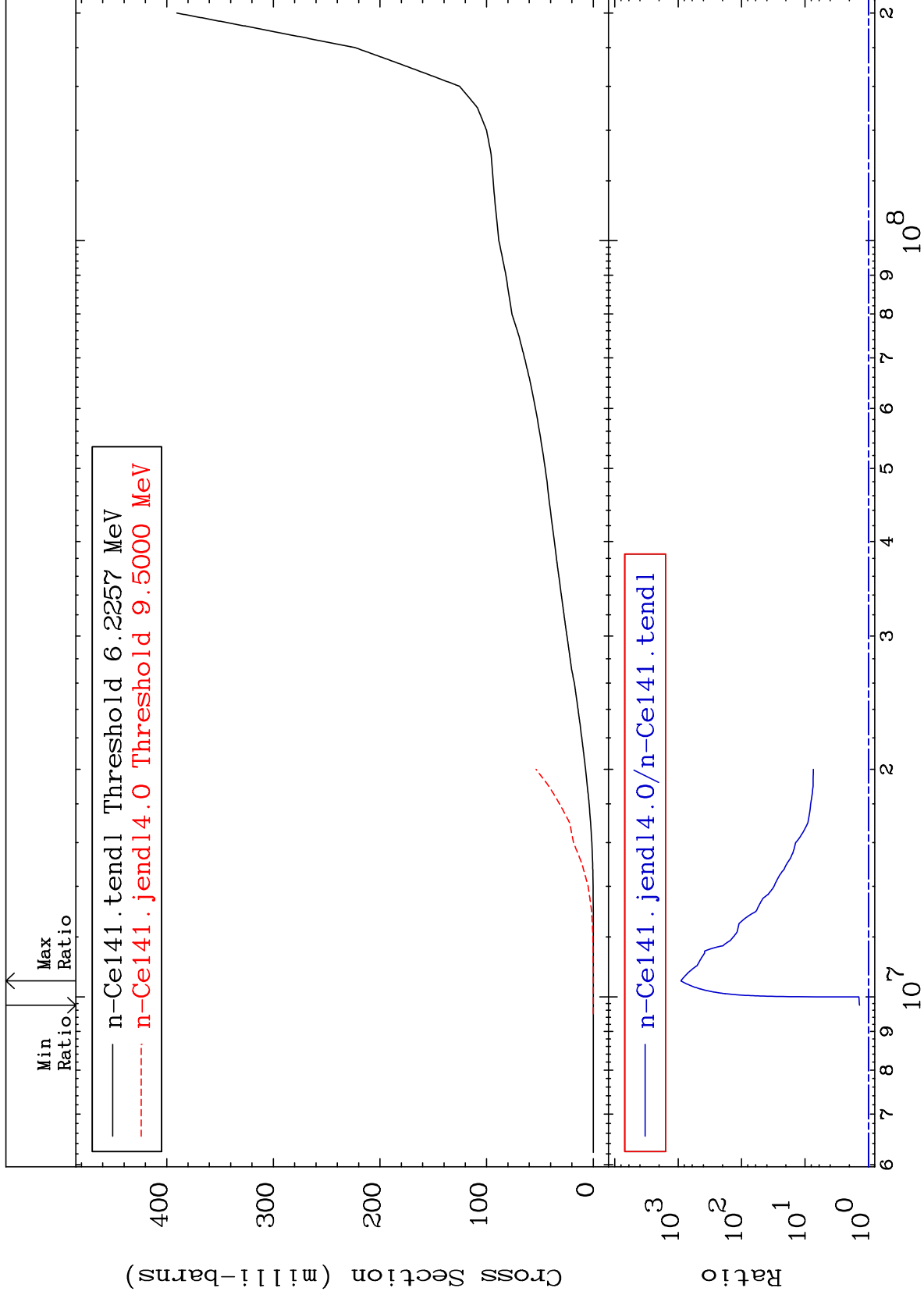
-54.60 To 283.2 %



30

Incident Energy (eV)

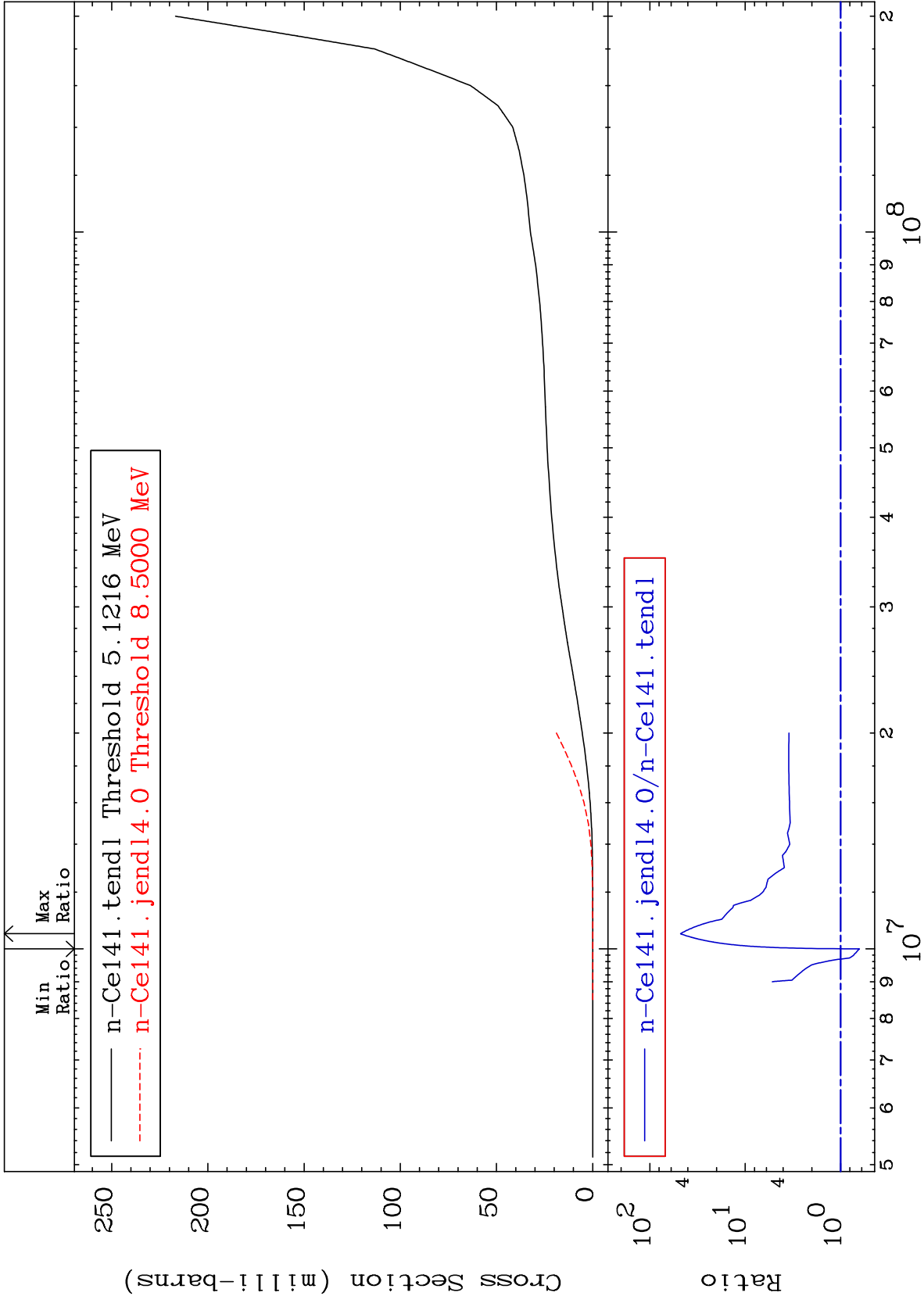
58-Ce-141



MAT 5840

Tritium Production
Cross Section

58-Ce-141
-36.57 To 4691. %



32

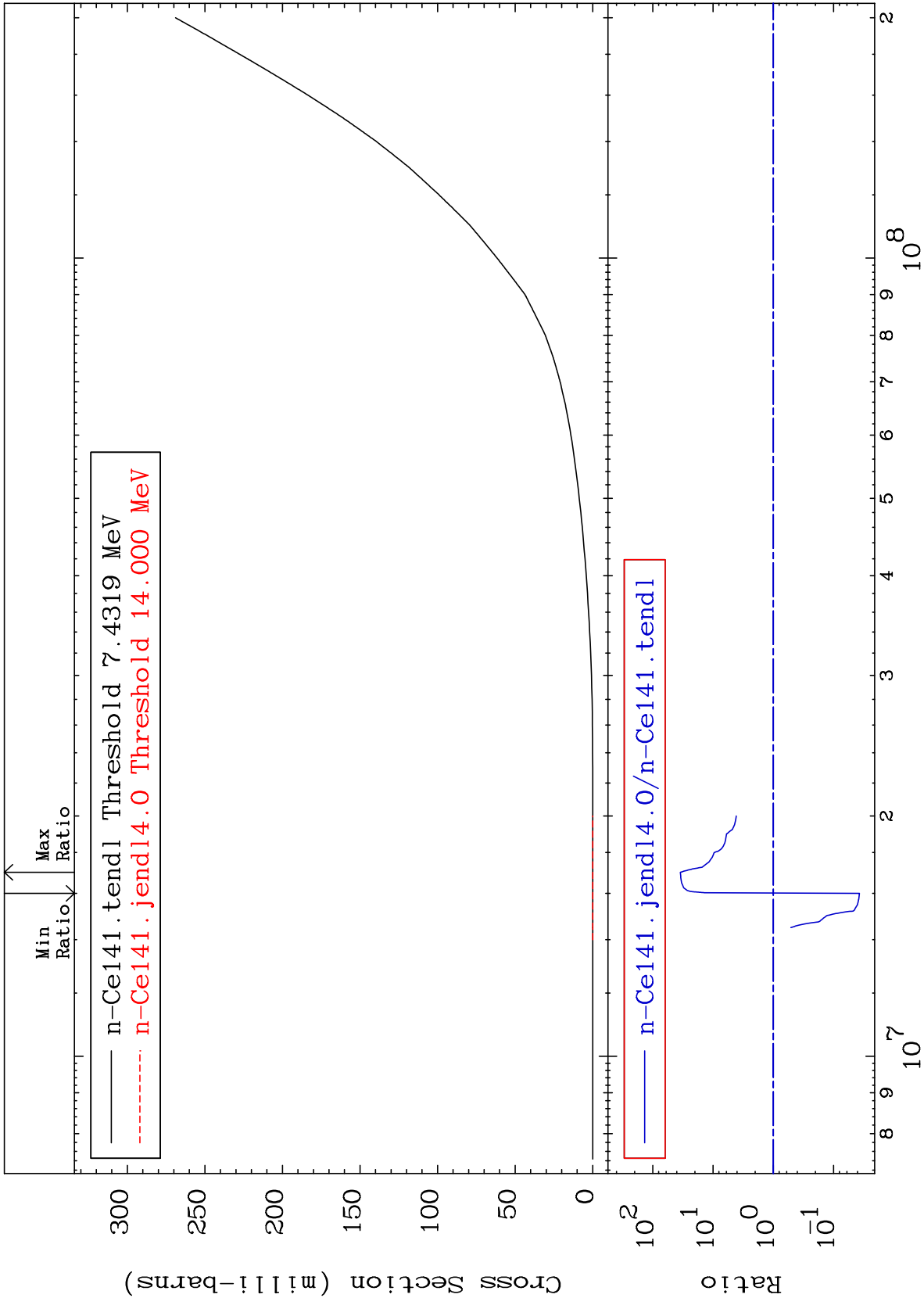
Incident Energy (eV)

58-Ce-141

MAT 5840

He-3 Production
Cross Section

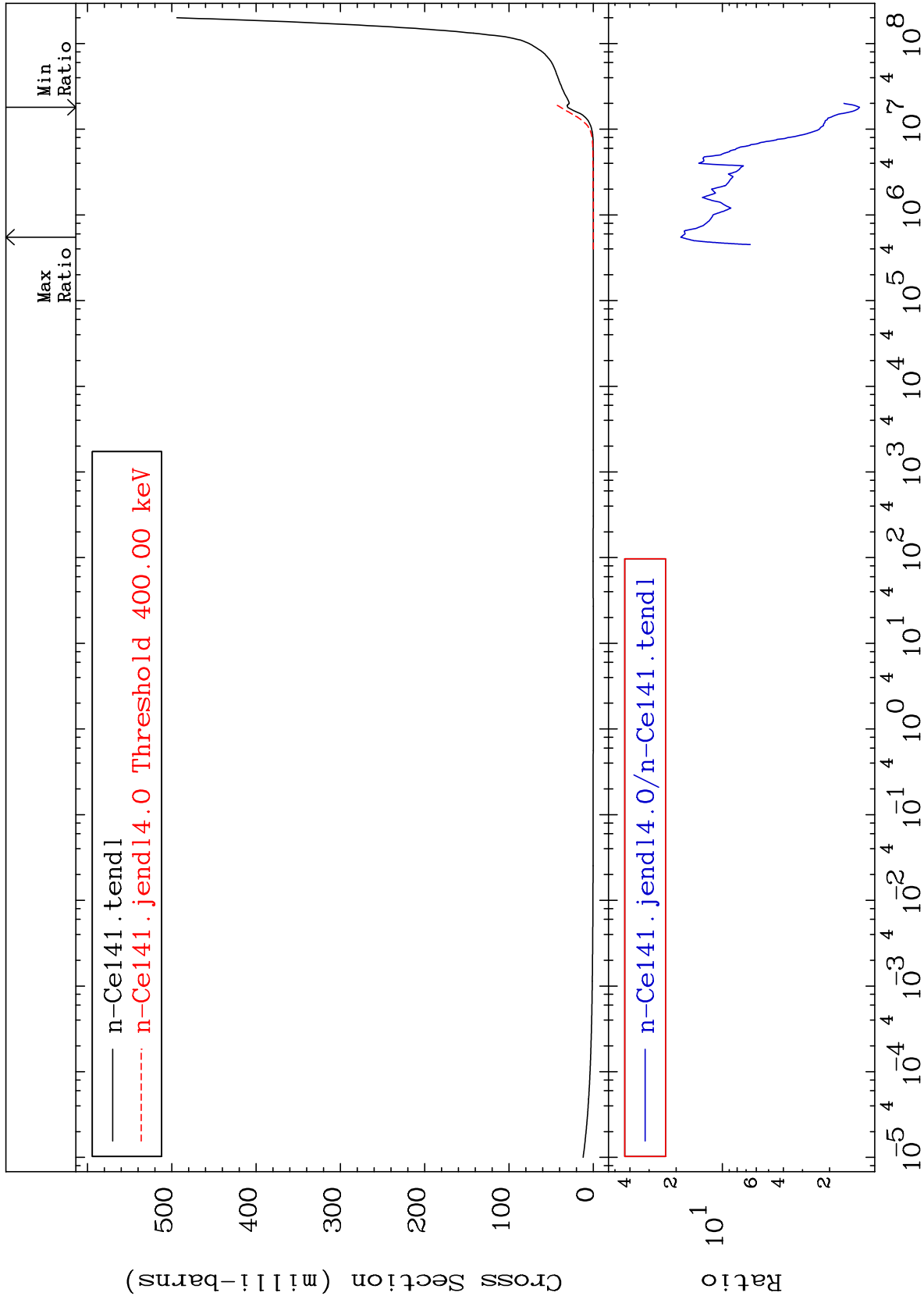
58-Ce-141
-96.27 To 3396. %



MAT 5840

He-4 Production
Cross Section

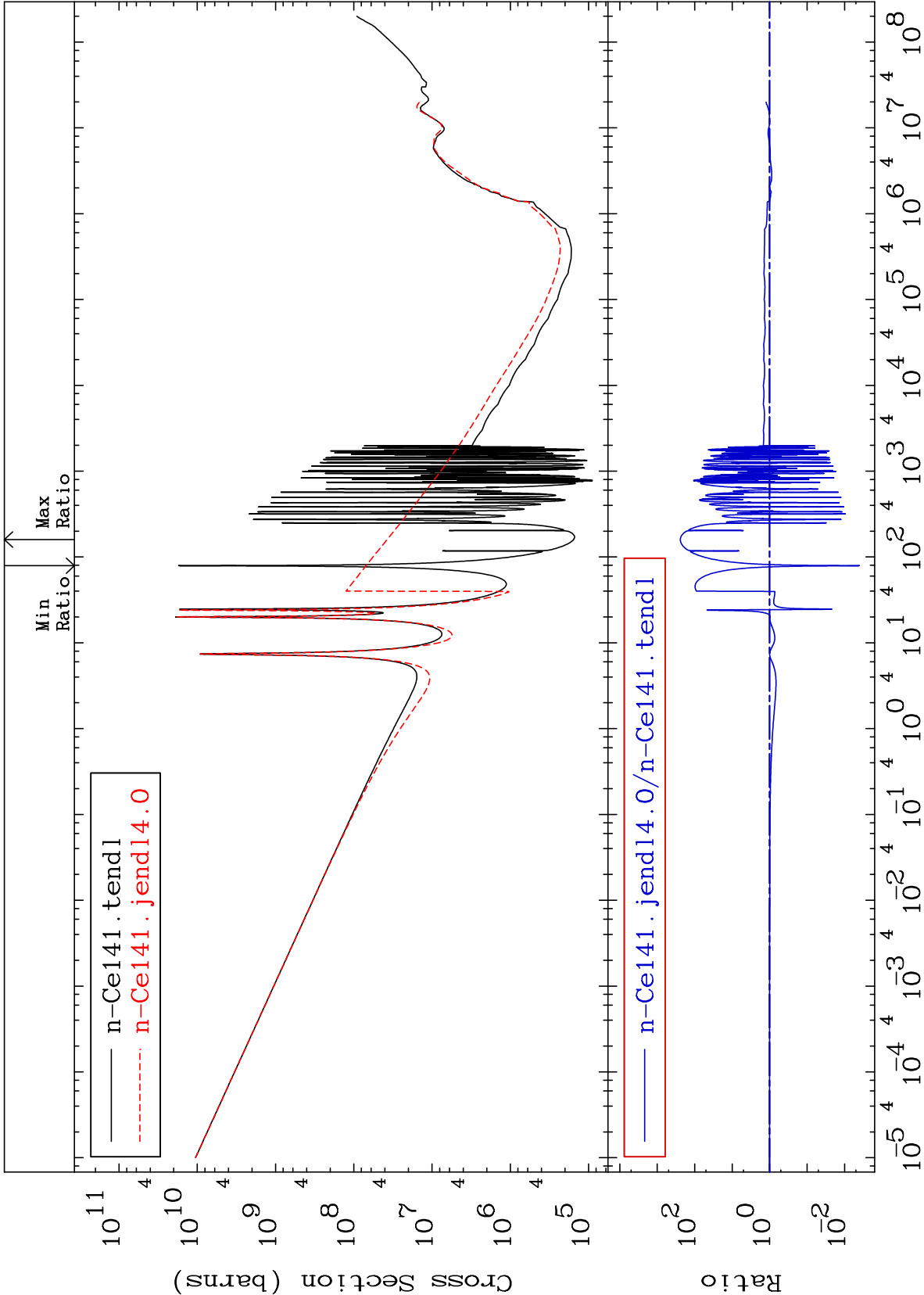
58-Ce-141
27.55 To 1763. %



34

Incident Energy (eV)

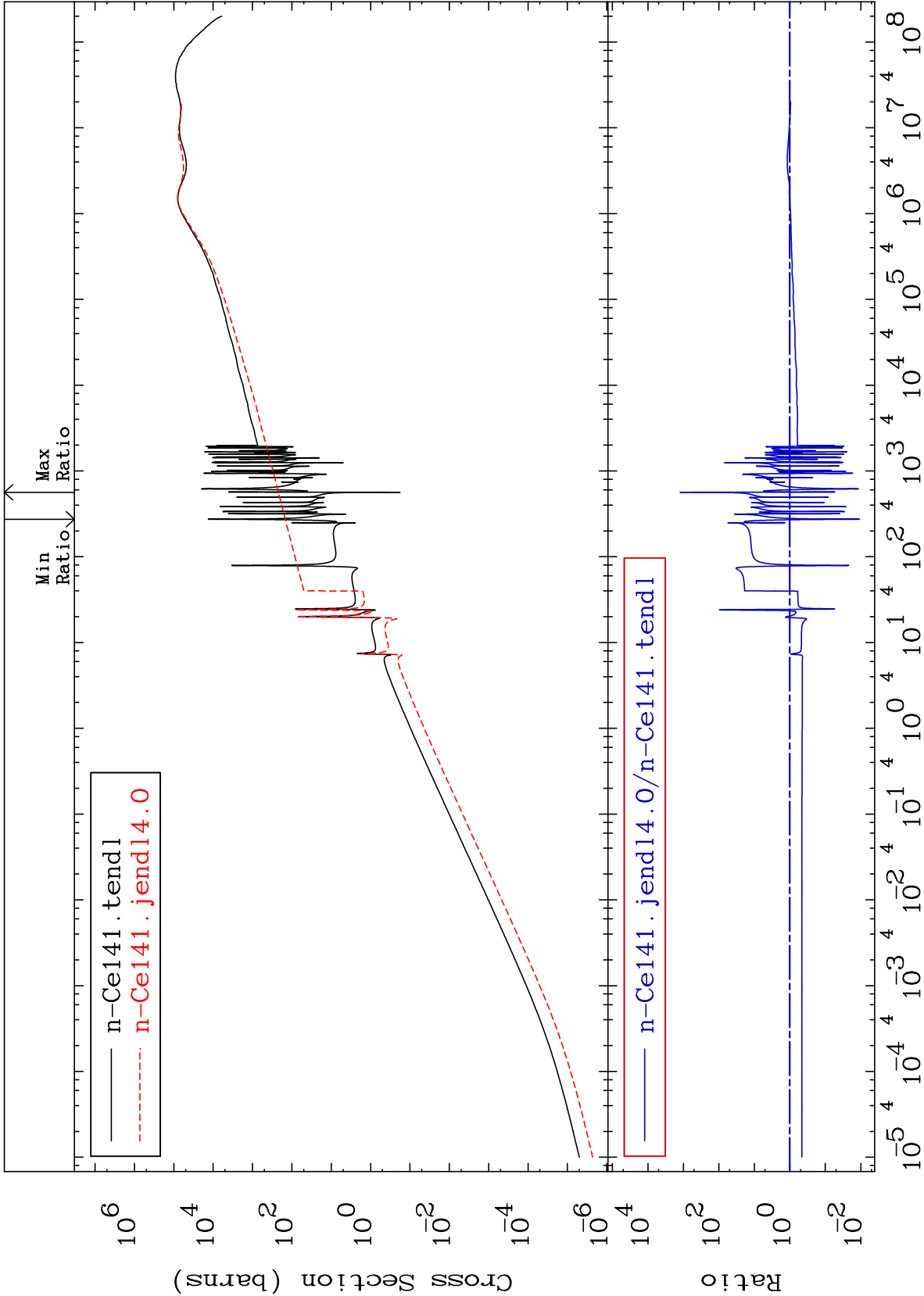
58-Ce-141

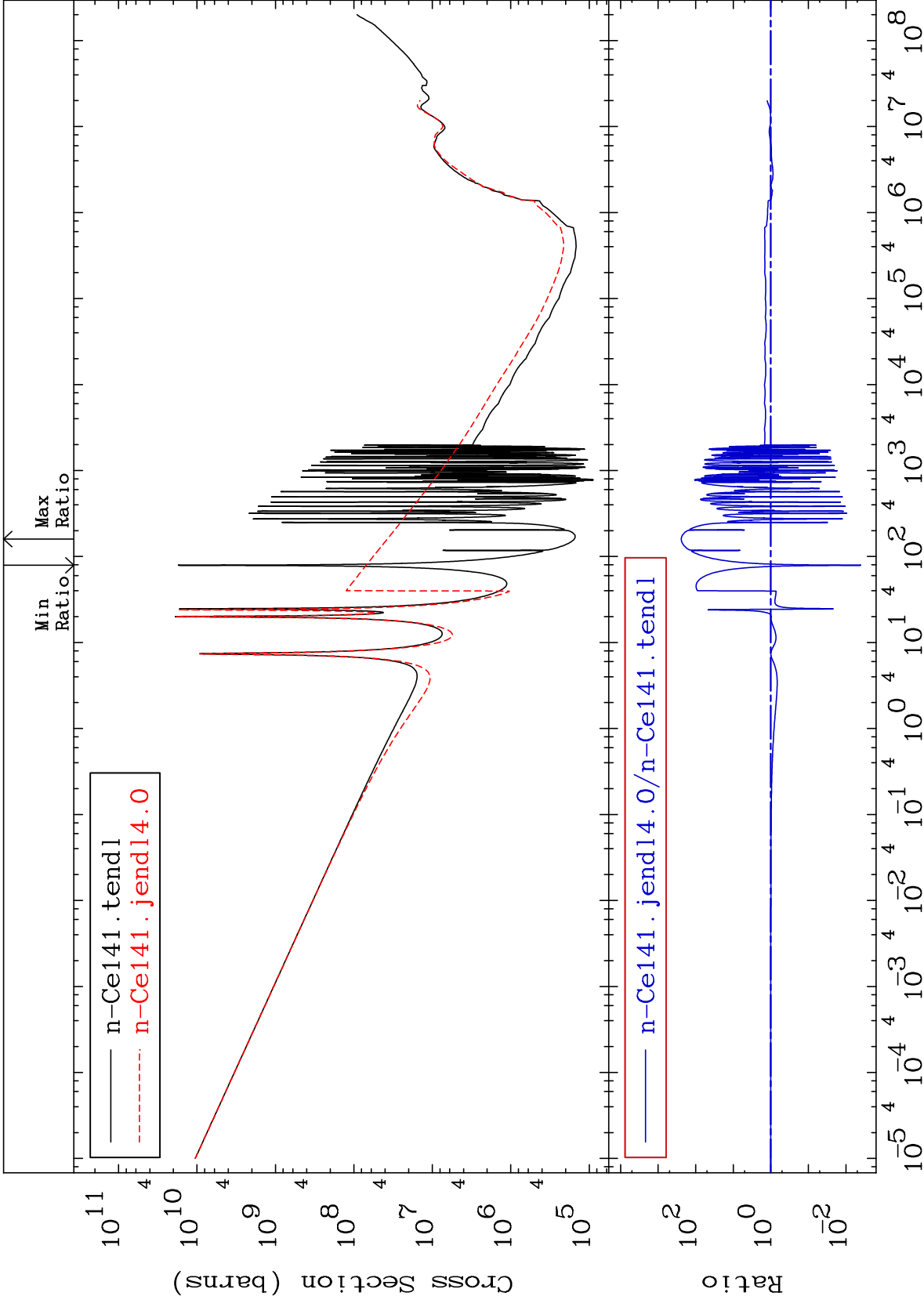


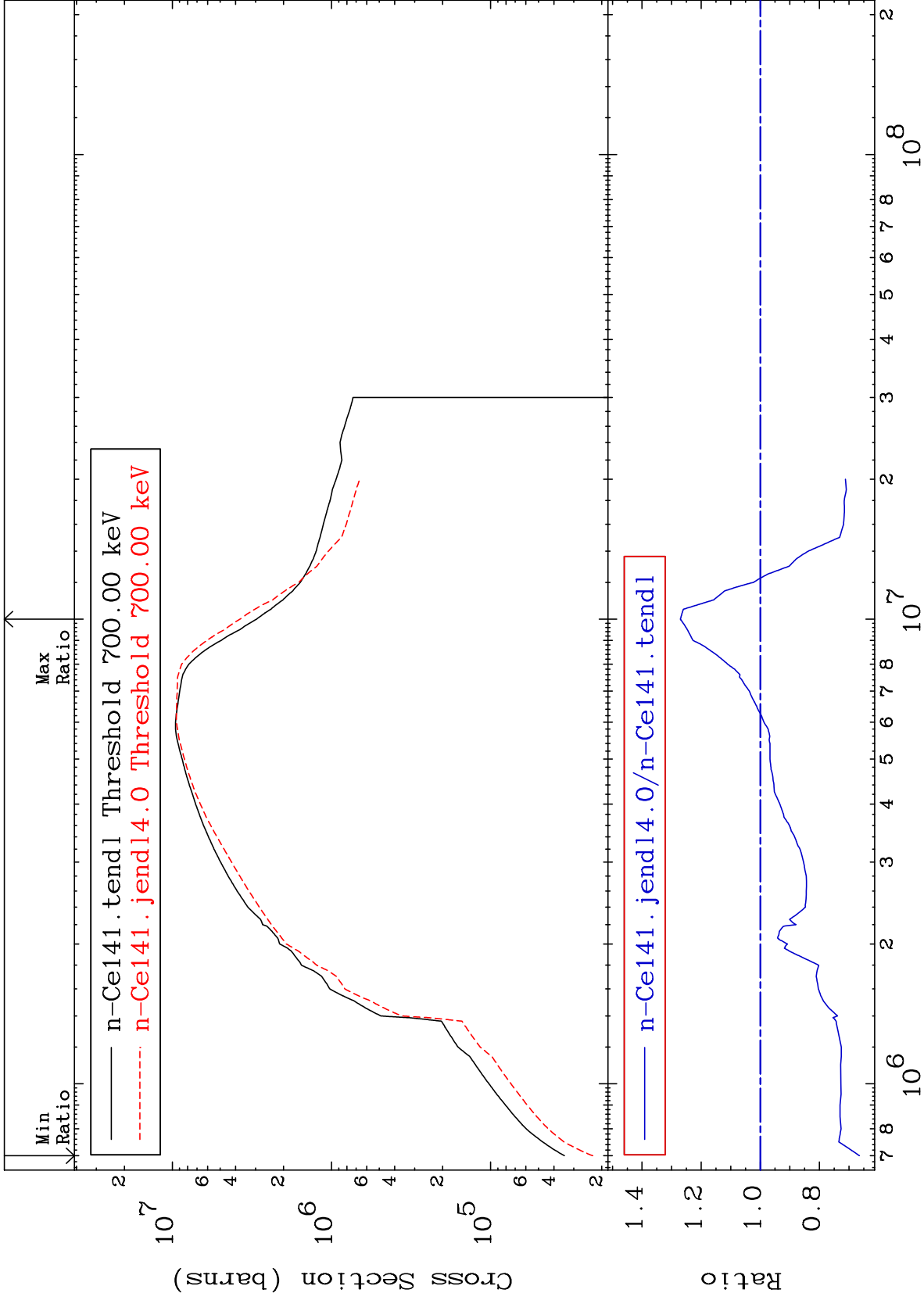
MAT 5840

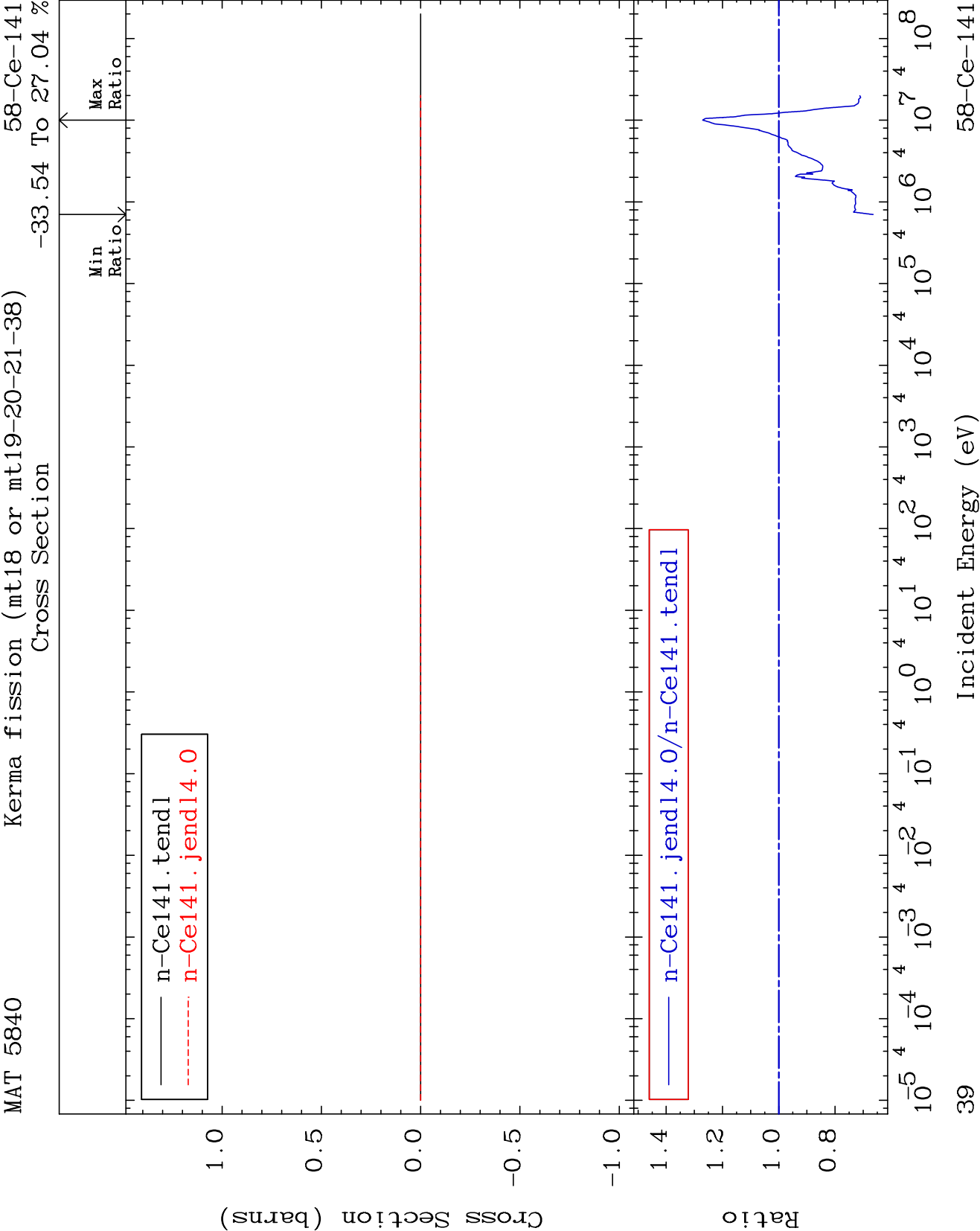
Kerma elastic
Cross Section

58-Ce-141
-98.91 To 9999. %







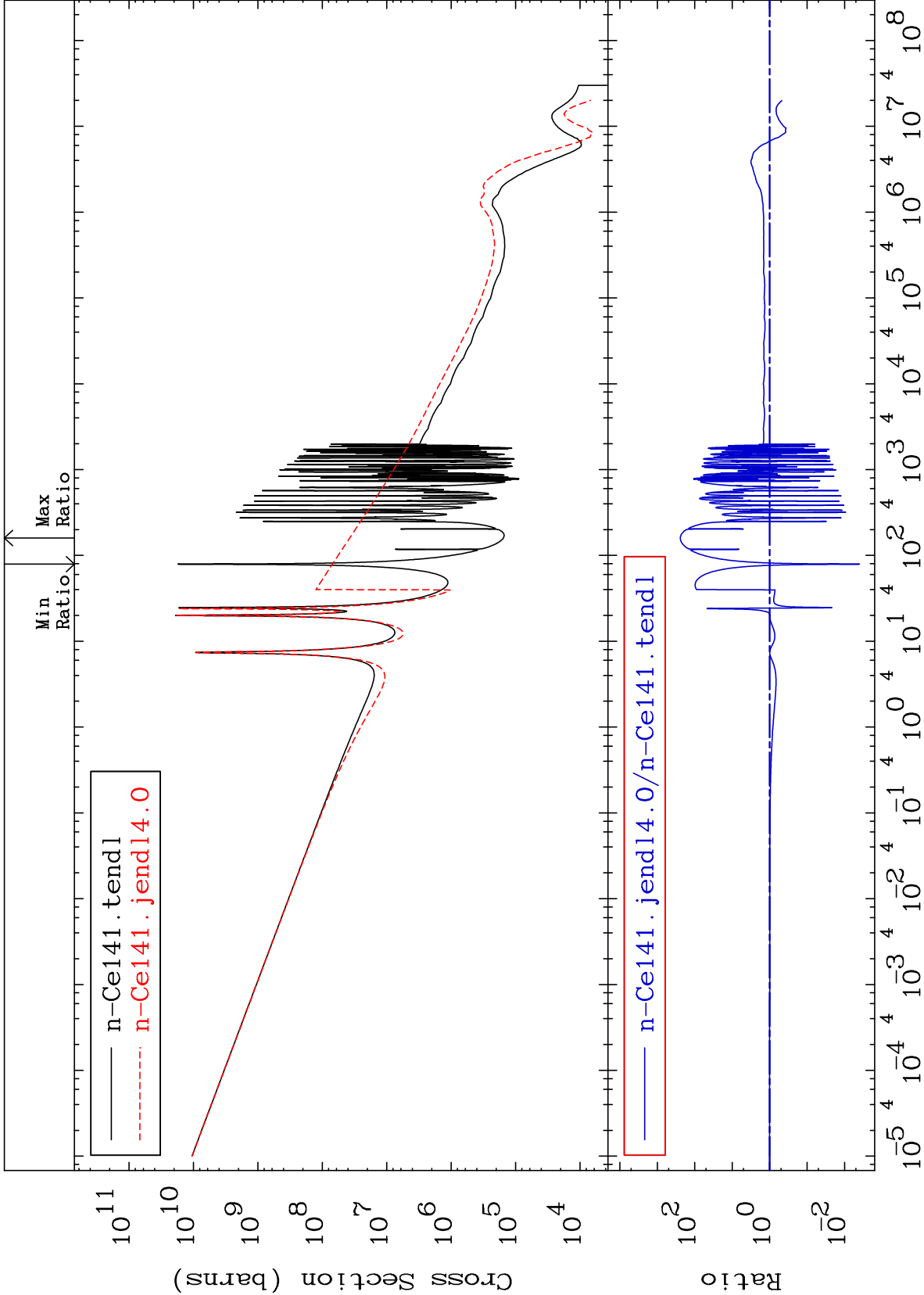


MAT 5840

Kerma capture (mt102)

58-Ce-141

-99.60 To 9999. %

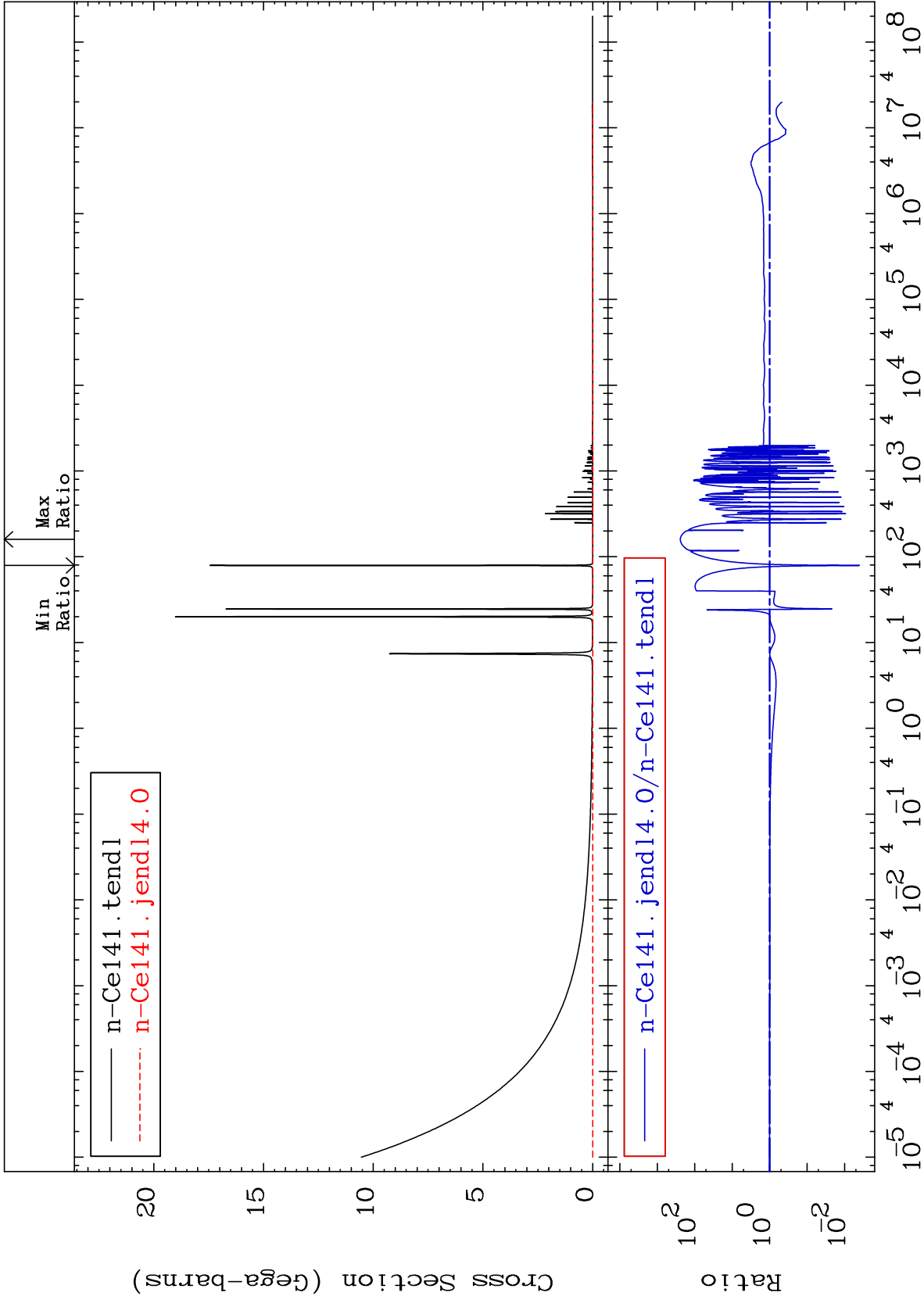


MAT 5840

Total photon (eV-barns)

58-Ce-141

-99.60 To 9999. %



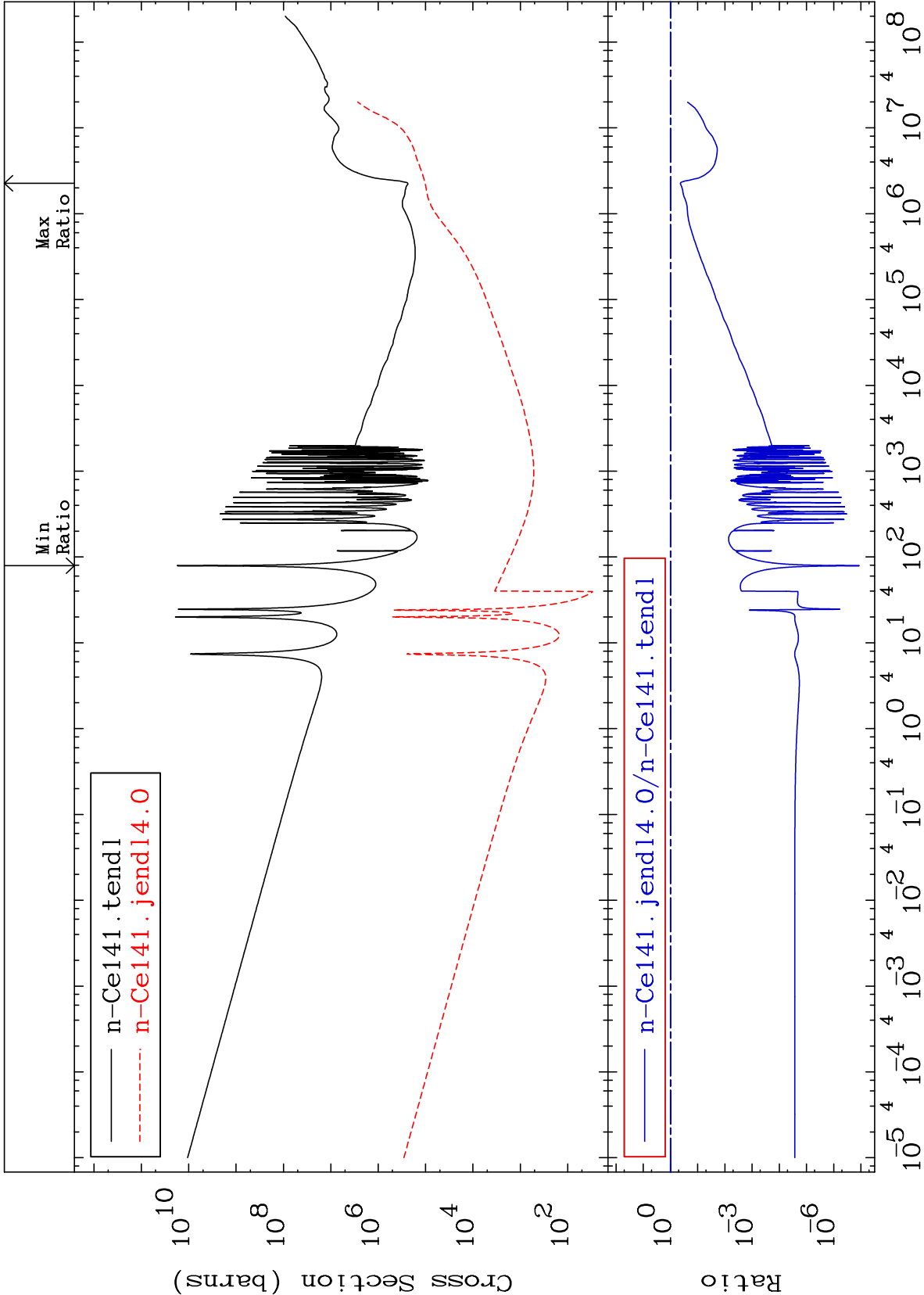
41

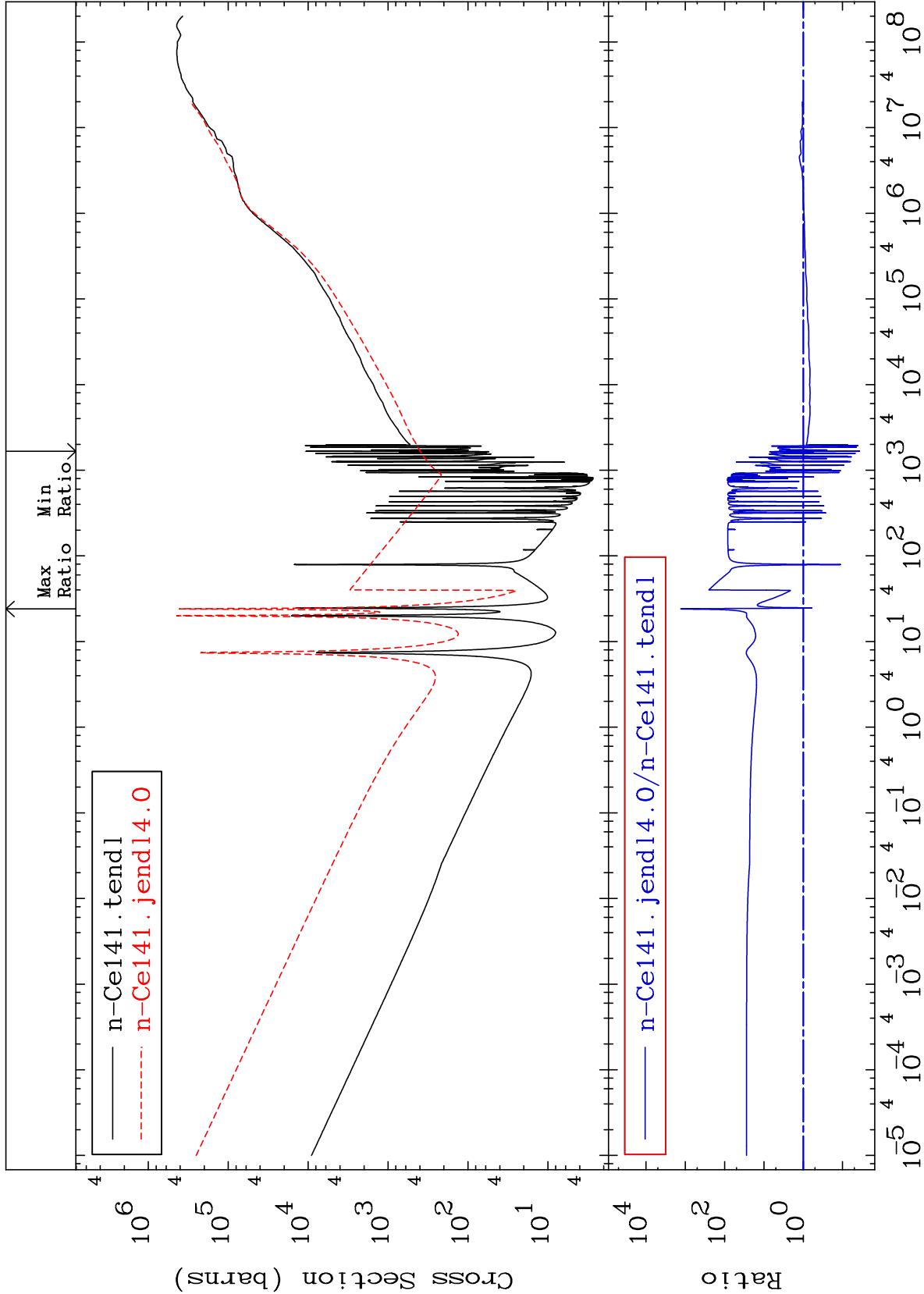
Incident Energy (eV)

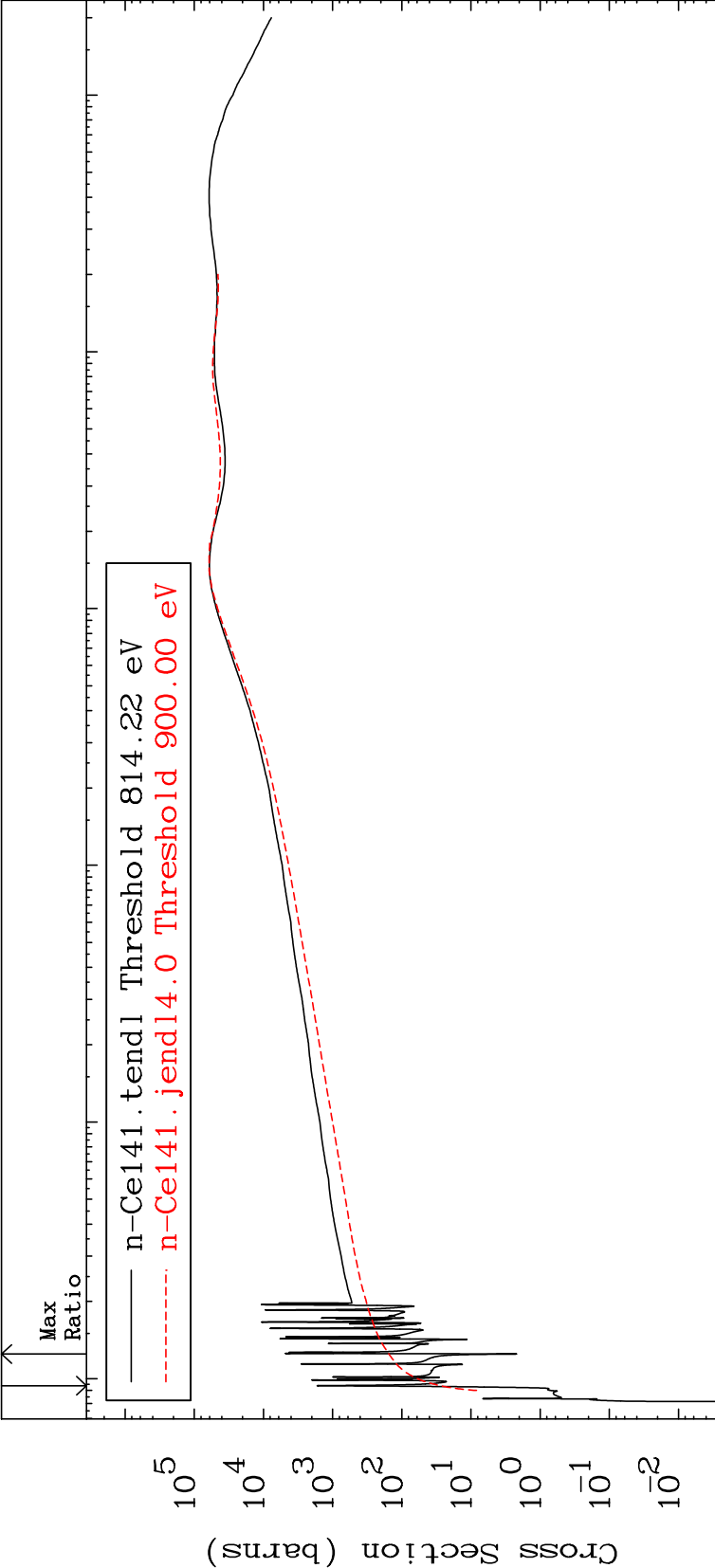
58-Ce-141

Cross Section

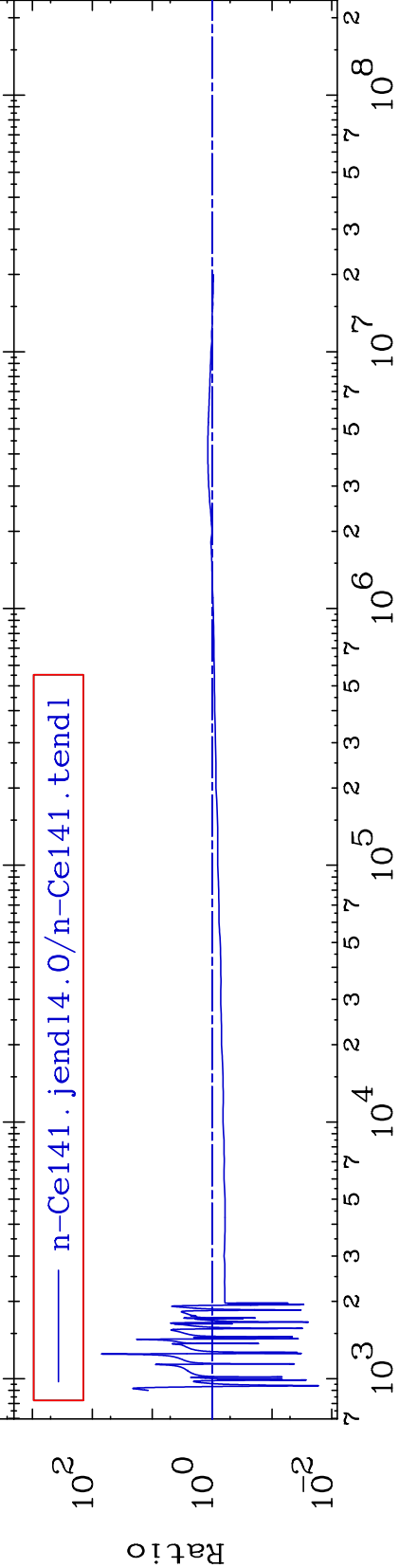
-100.0 To -56.66%







— n-Ce141.tendl Threshold 814.22 eV
- - - n-Ce141.jendl4.0 Threshold 900.00 eV



— n-Ce141.jendl4.0/n-Ce141.tendl

