

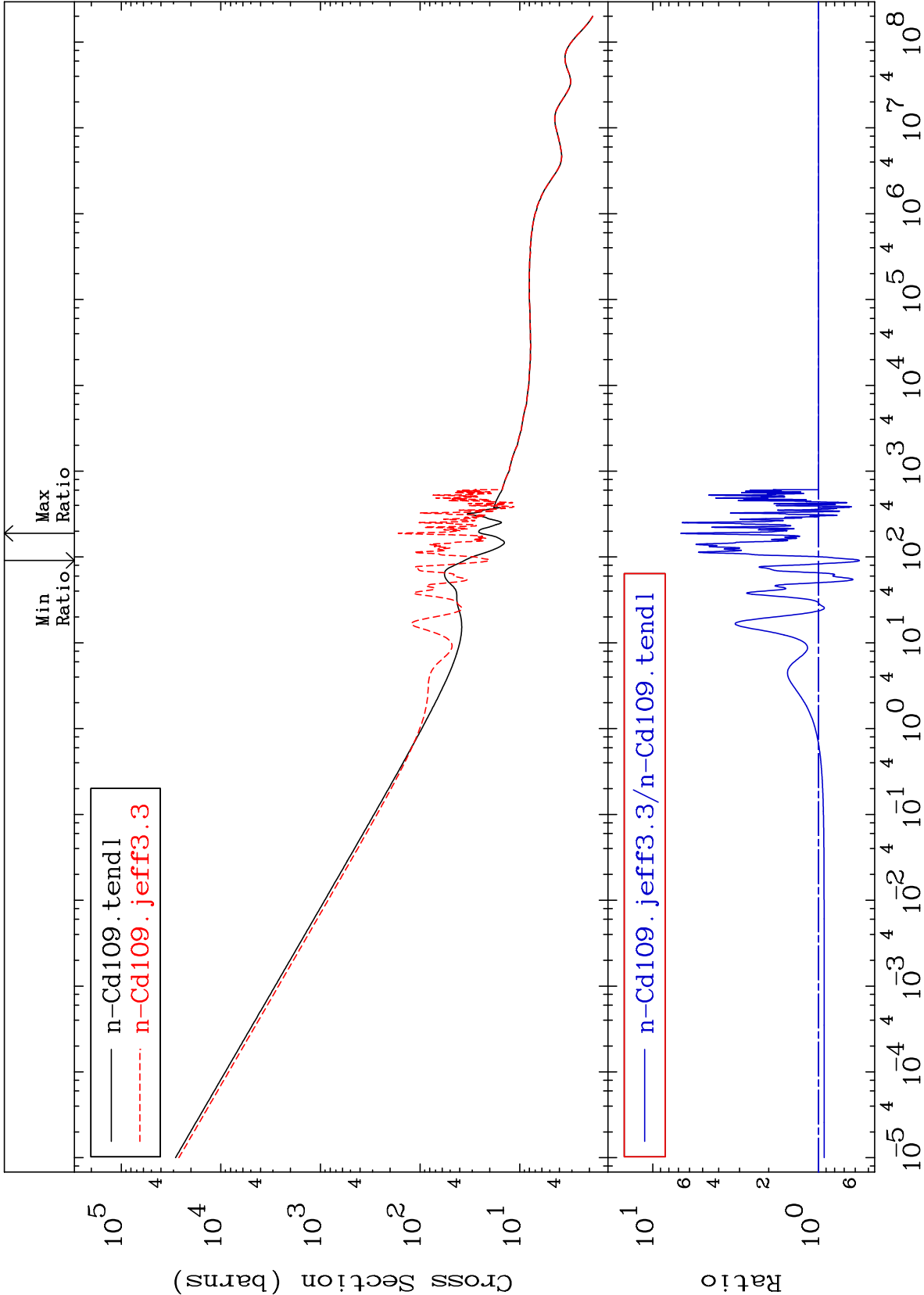
MAT 4834

Total

48-Cd-109

Cross Section

-43.36 To 582.0 %



Incident Energy (eV)

48-Cd-109

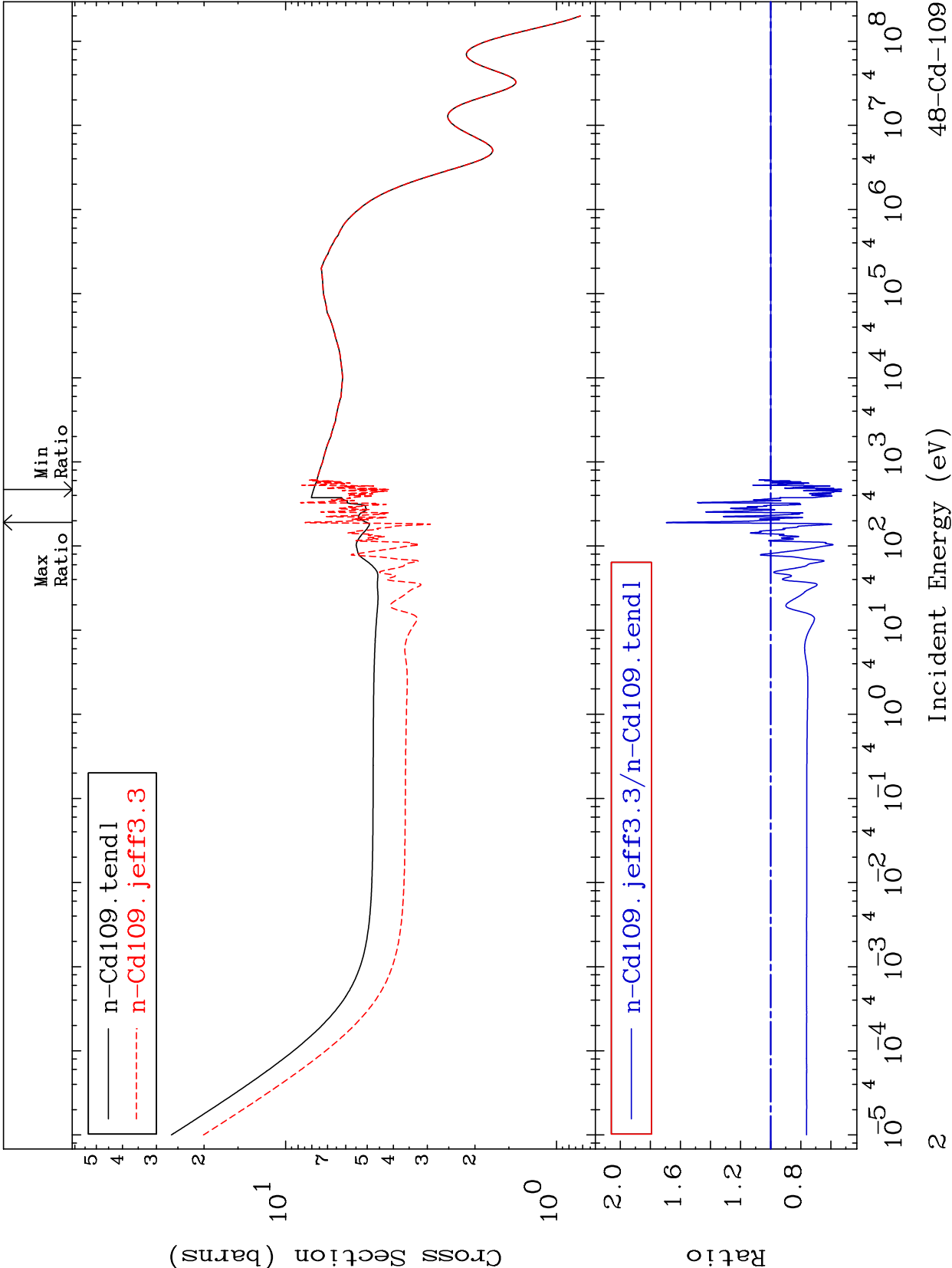
MAT 4834

Elastic

48-Cd-109

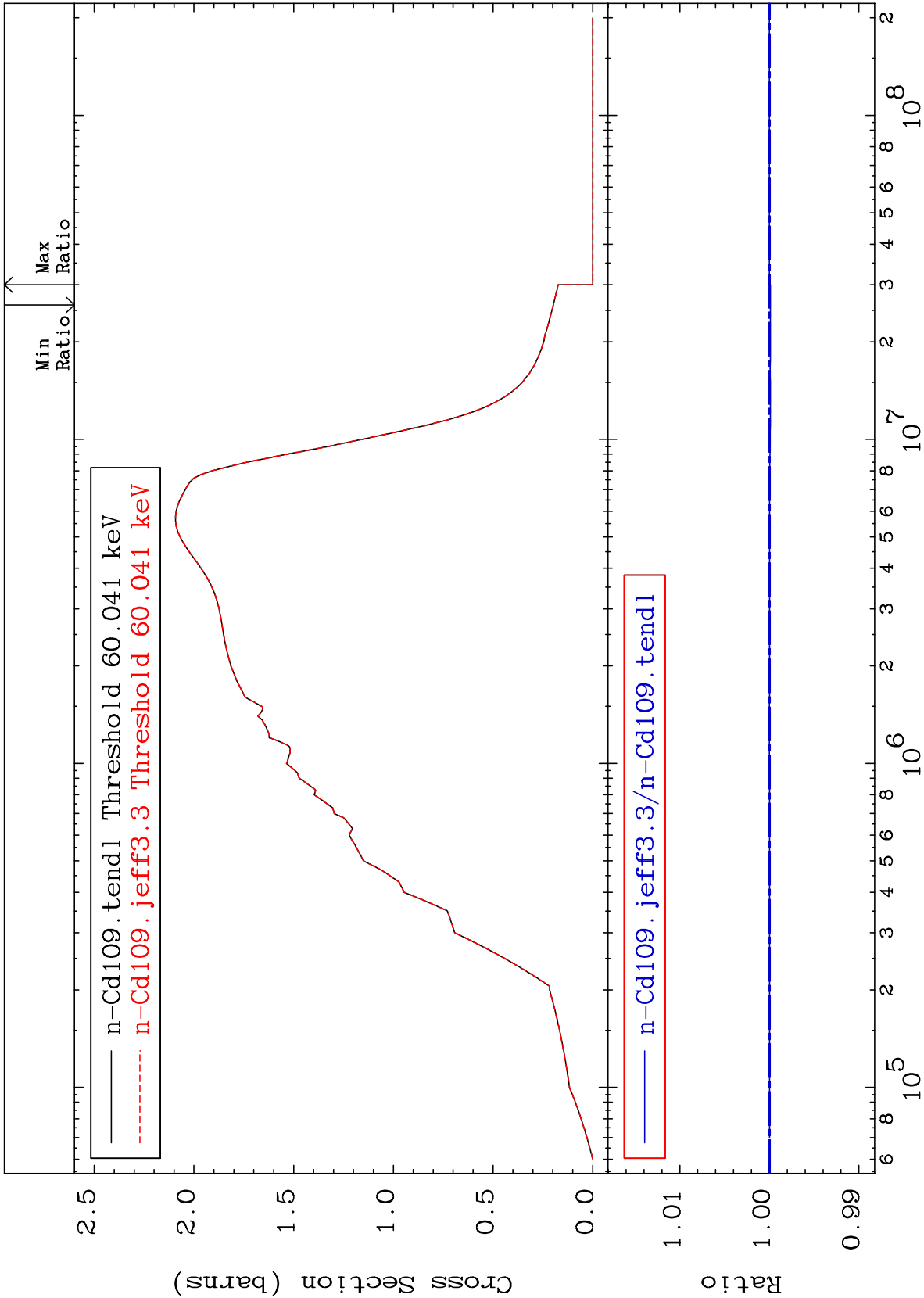
Cross Section

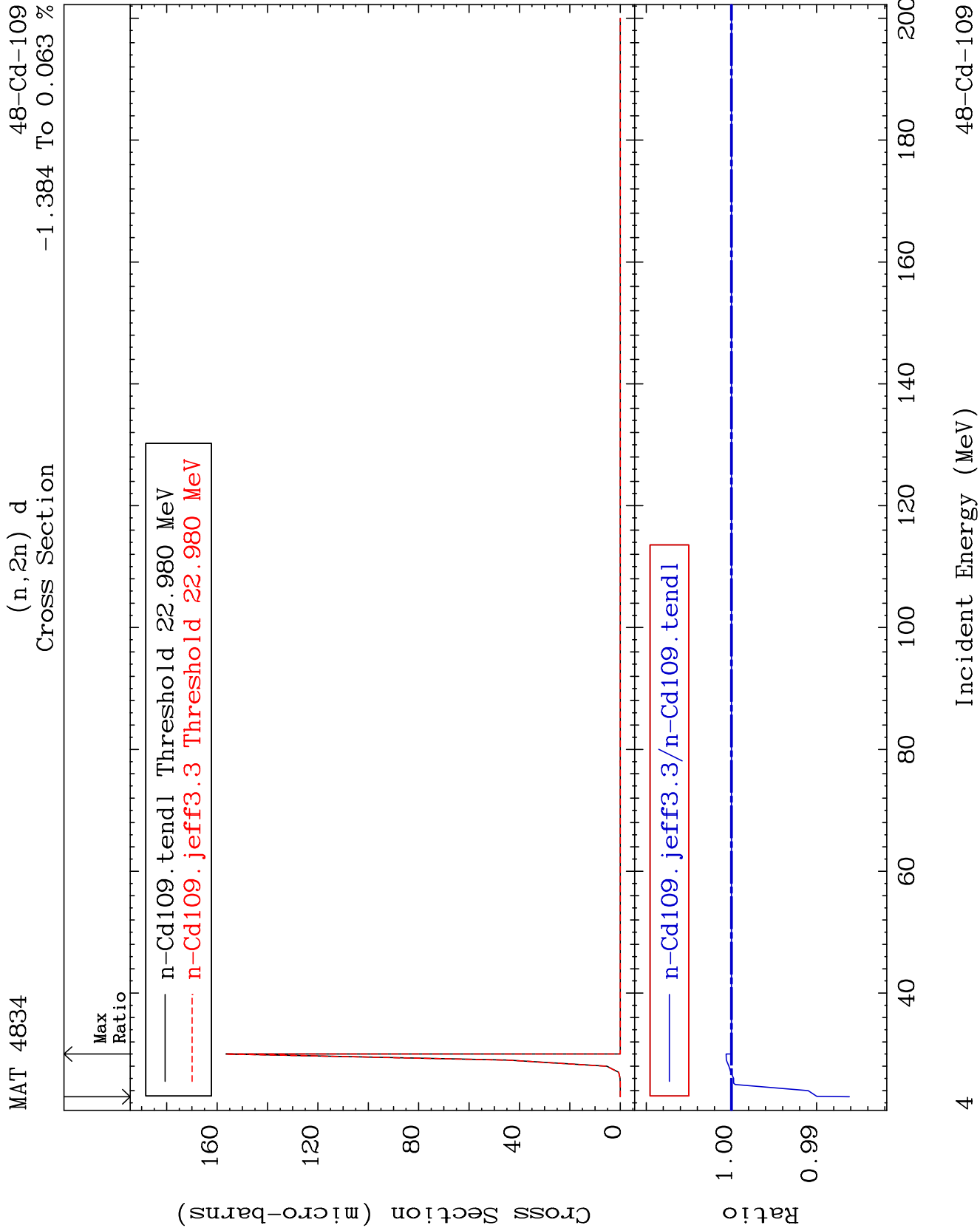
-47.38 To 69.38 %



Inelastic  
Cross Section

-0.012 To 0.000 %





MAT 4834

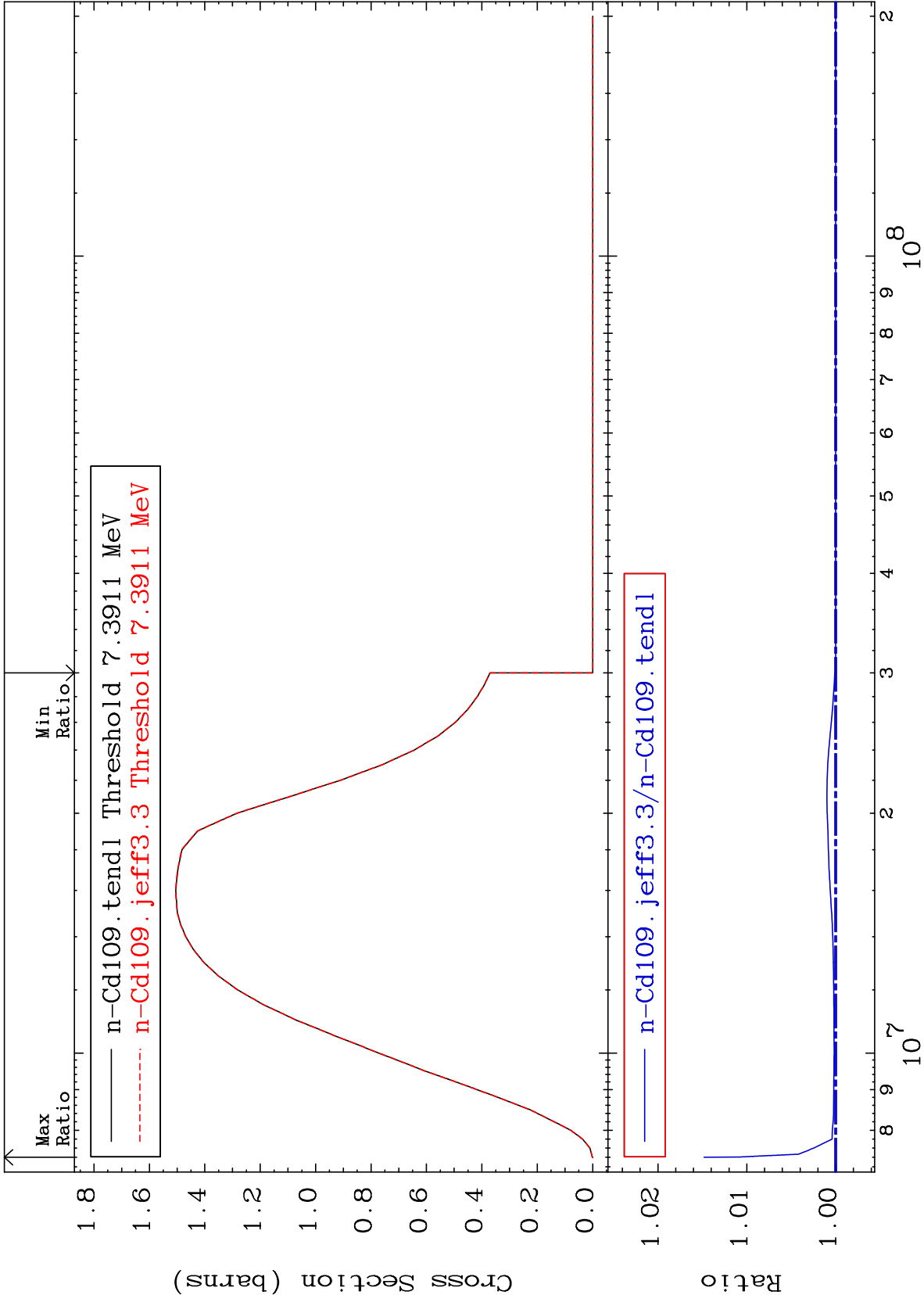
(n,2n)

48-Cd-109

Cross Section

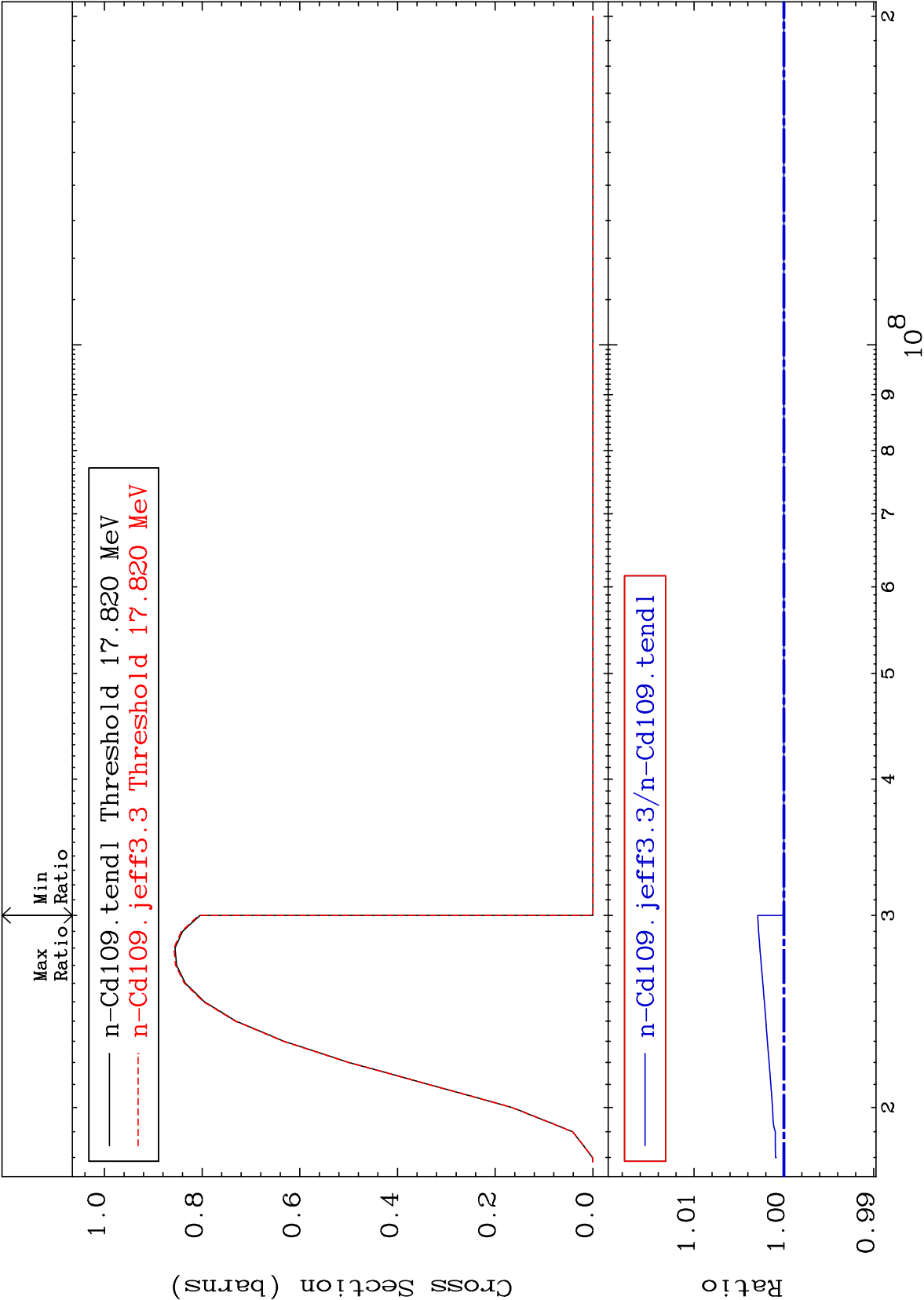
0.000

To 1.480 %



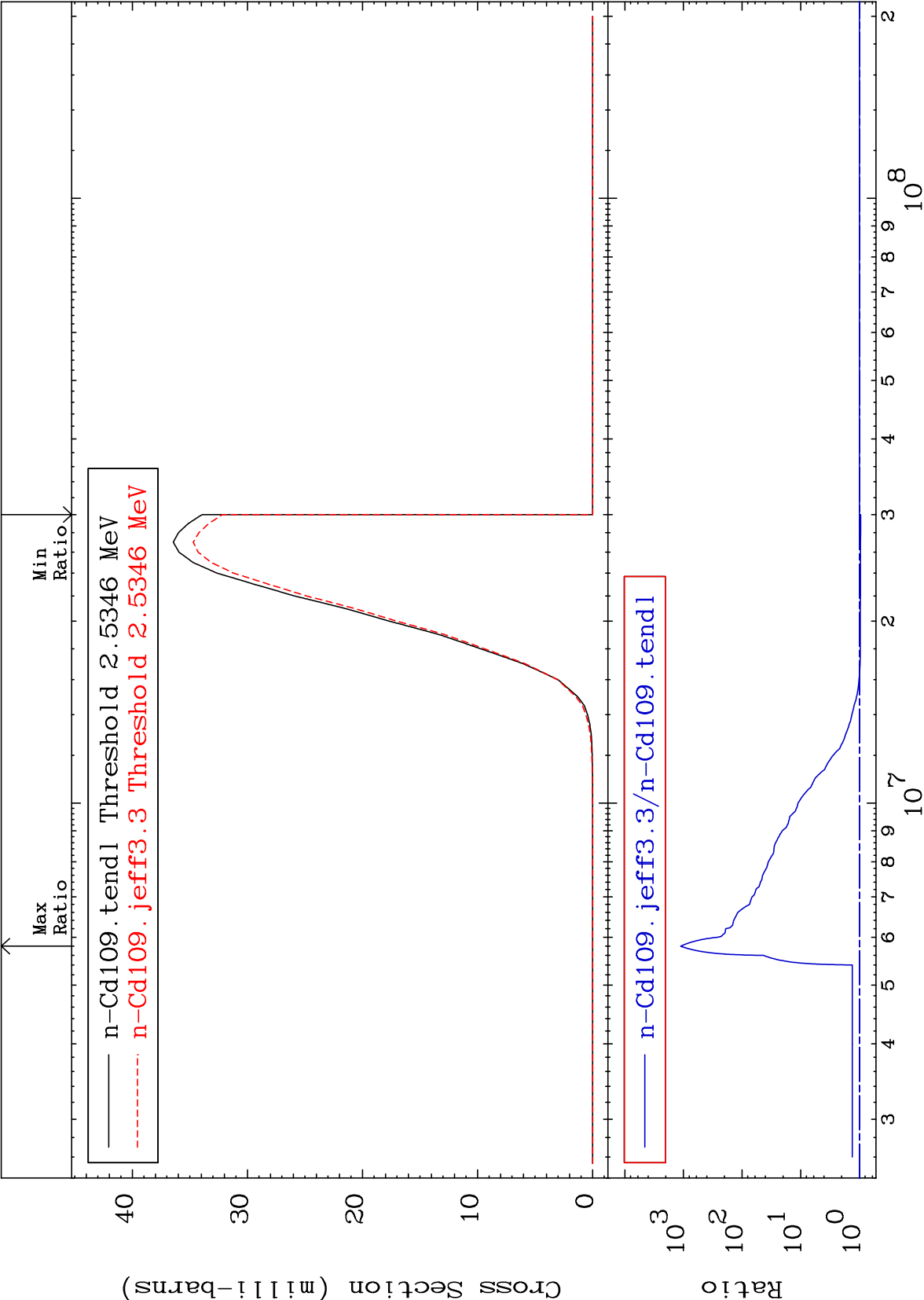
MAT 4834

(n,3n) Cross Section 48-Cd-109  
0.000 To 0.291 %



MAT 4834

$(n,n') \alpha$   
Cross Section  
48-Cd-109  
-5.205 To 9999. %



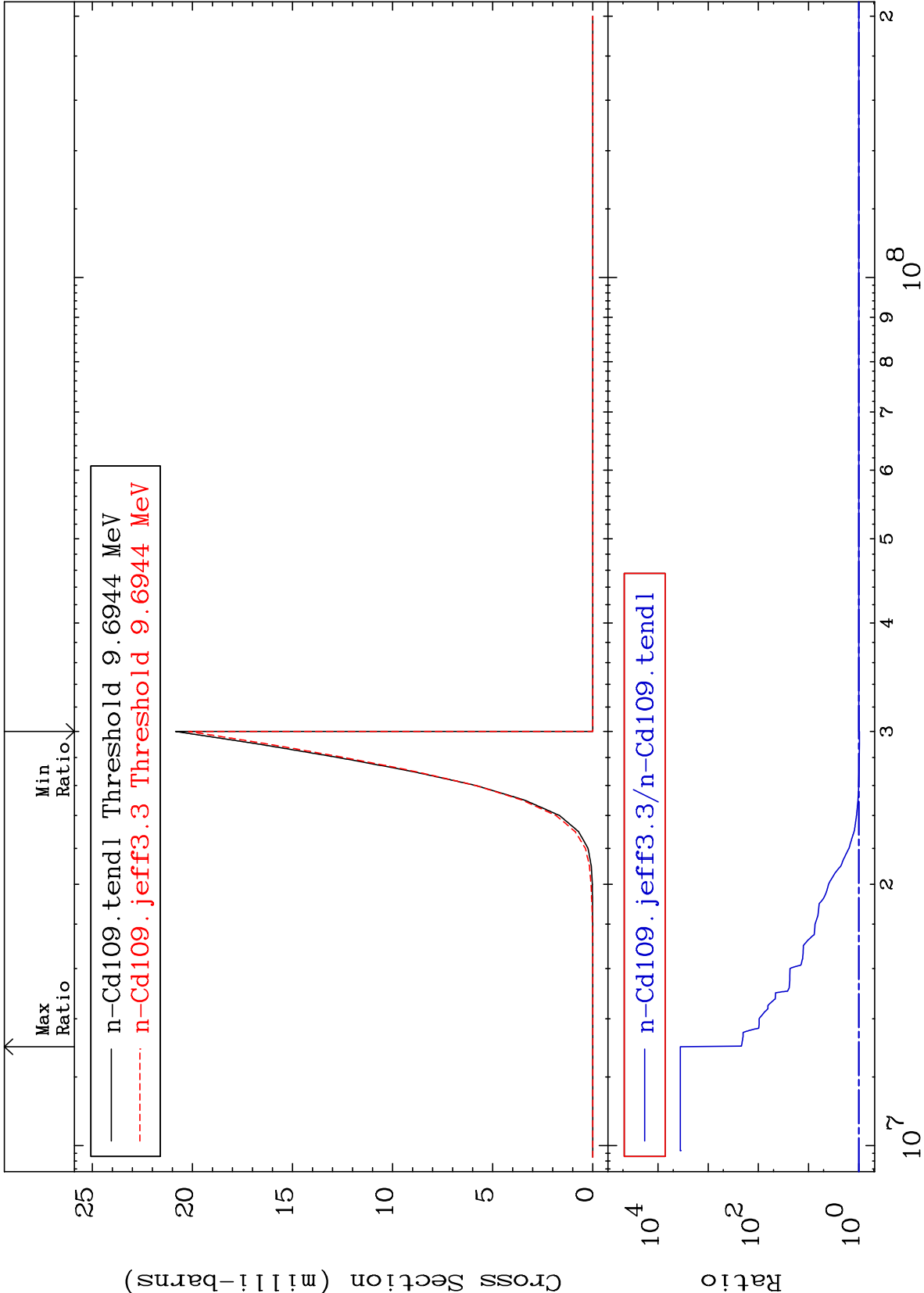
MAT 4834

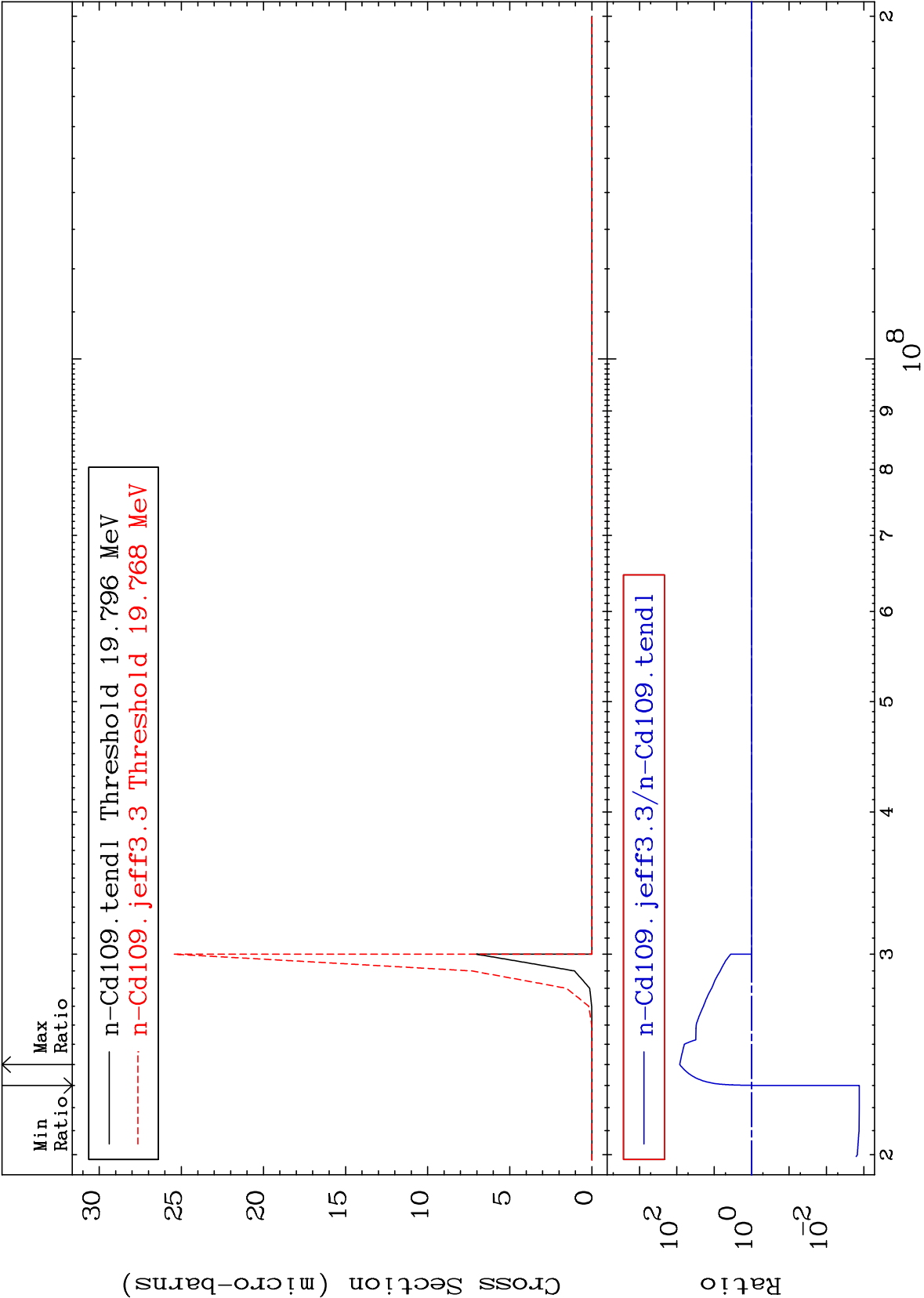
(n,2n)  $\alpha$

48-Cd-109

Cross Section

-3.158 To 9999. %

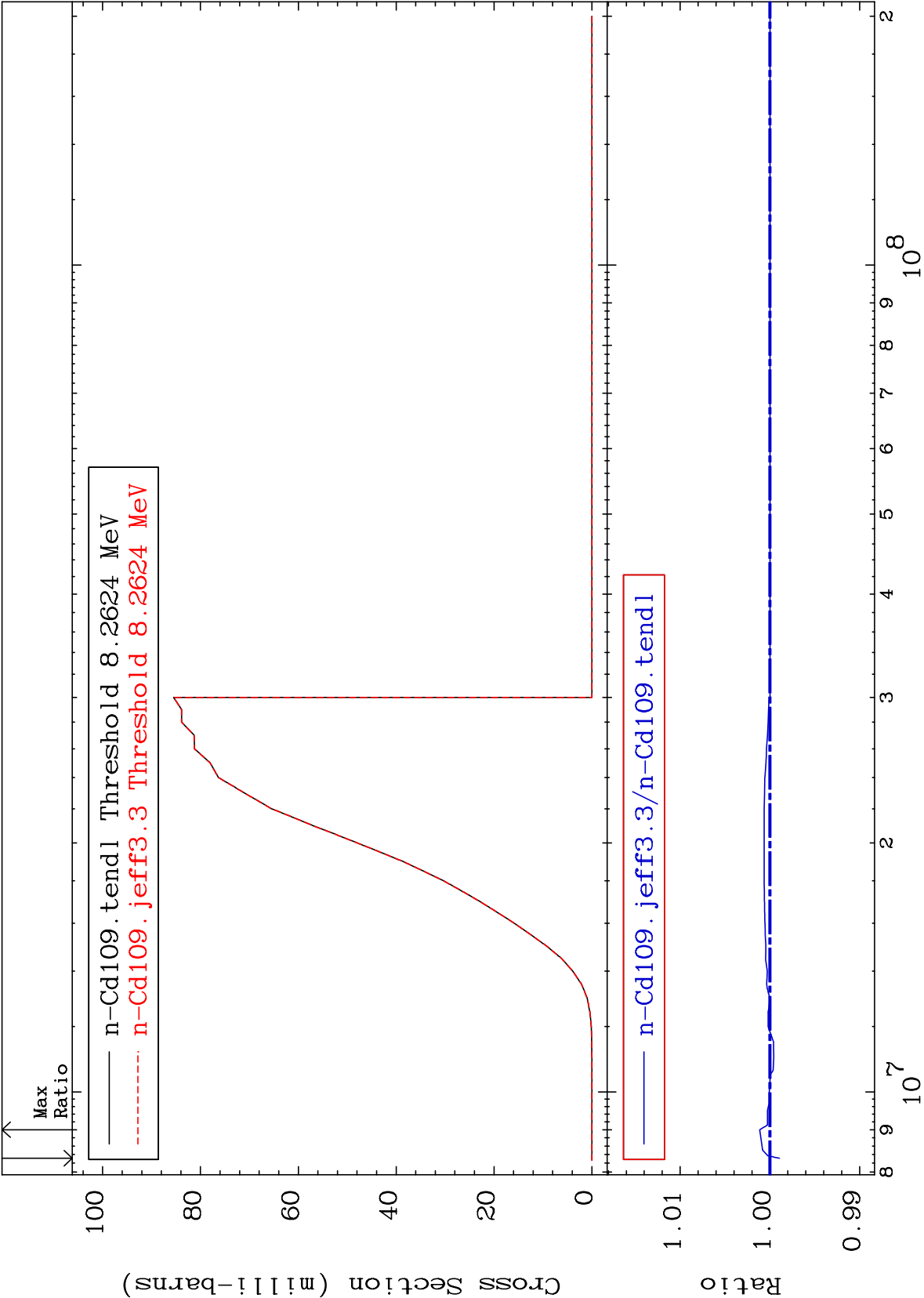




MAT 4834

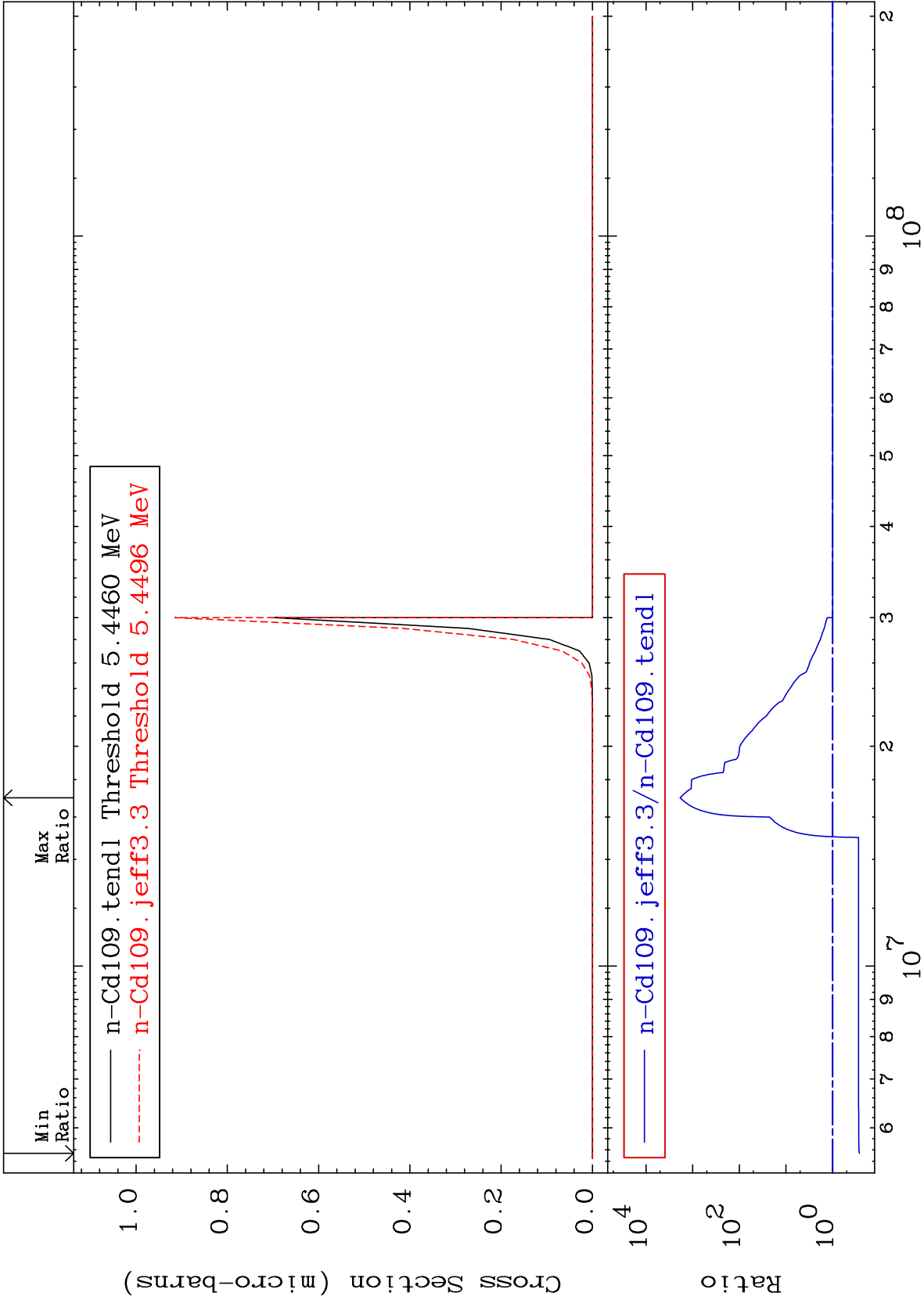
(n,n') p  
Cross Section

48-Cd-109  
-0.105 To 0.114 %



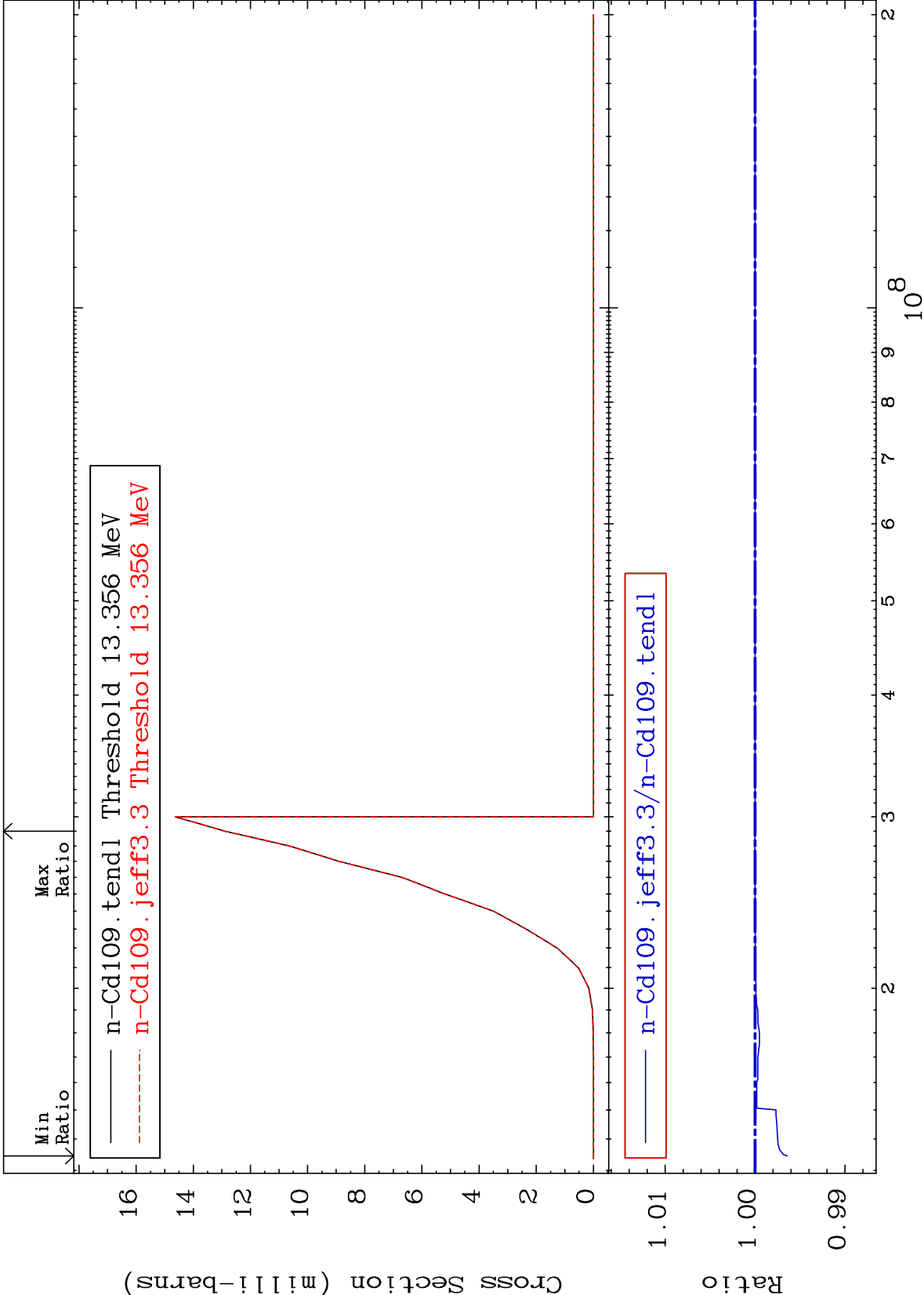
Incident Energy (eV)

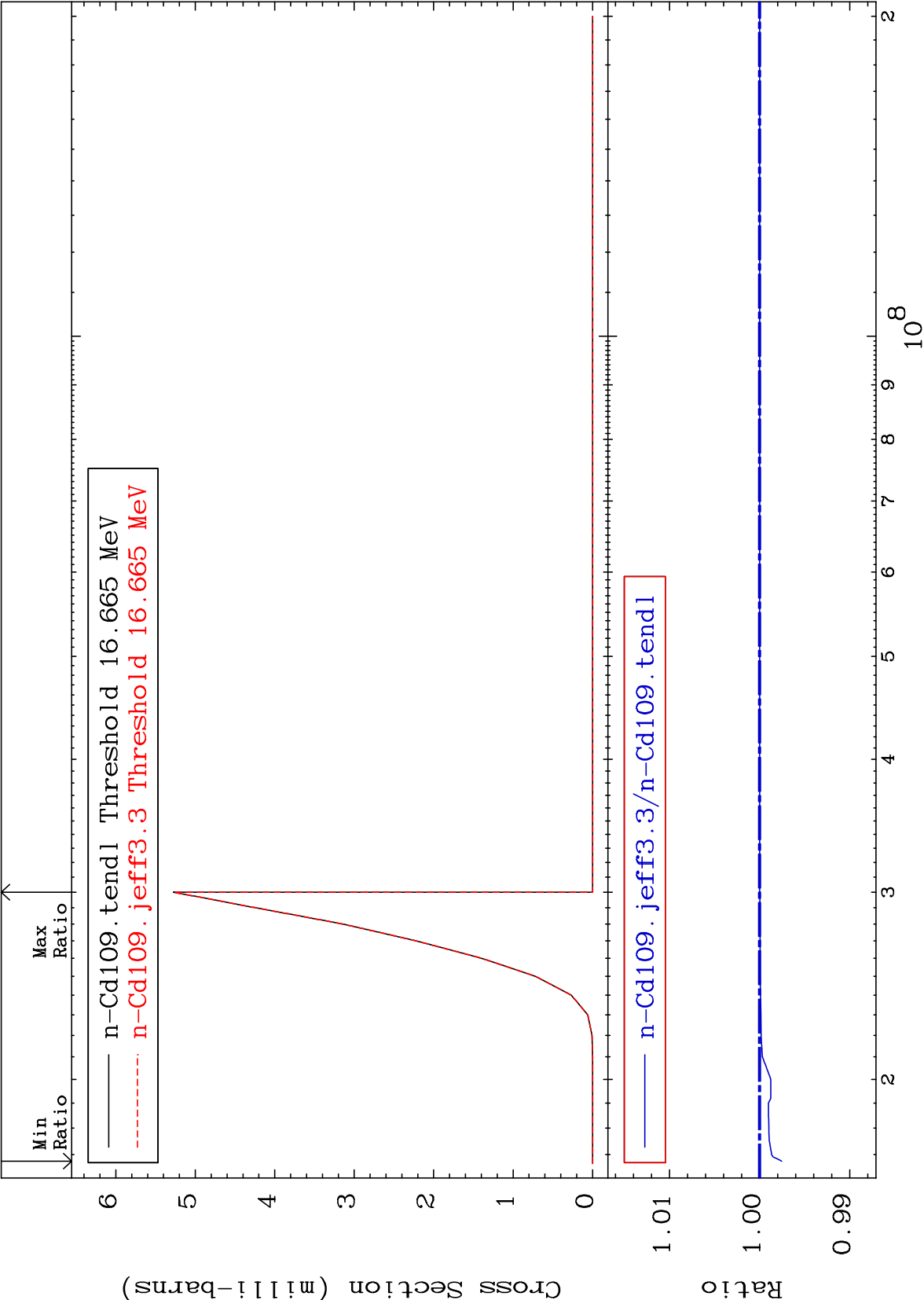
48-Cd-109



Cross Section

-0.359 To 0.002 %





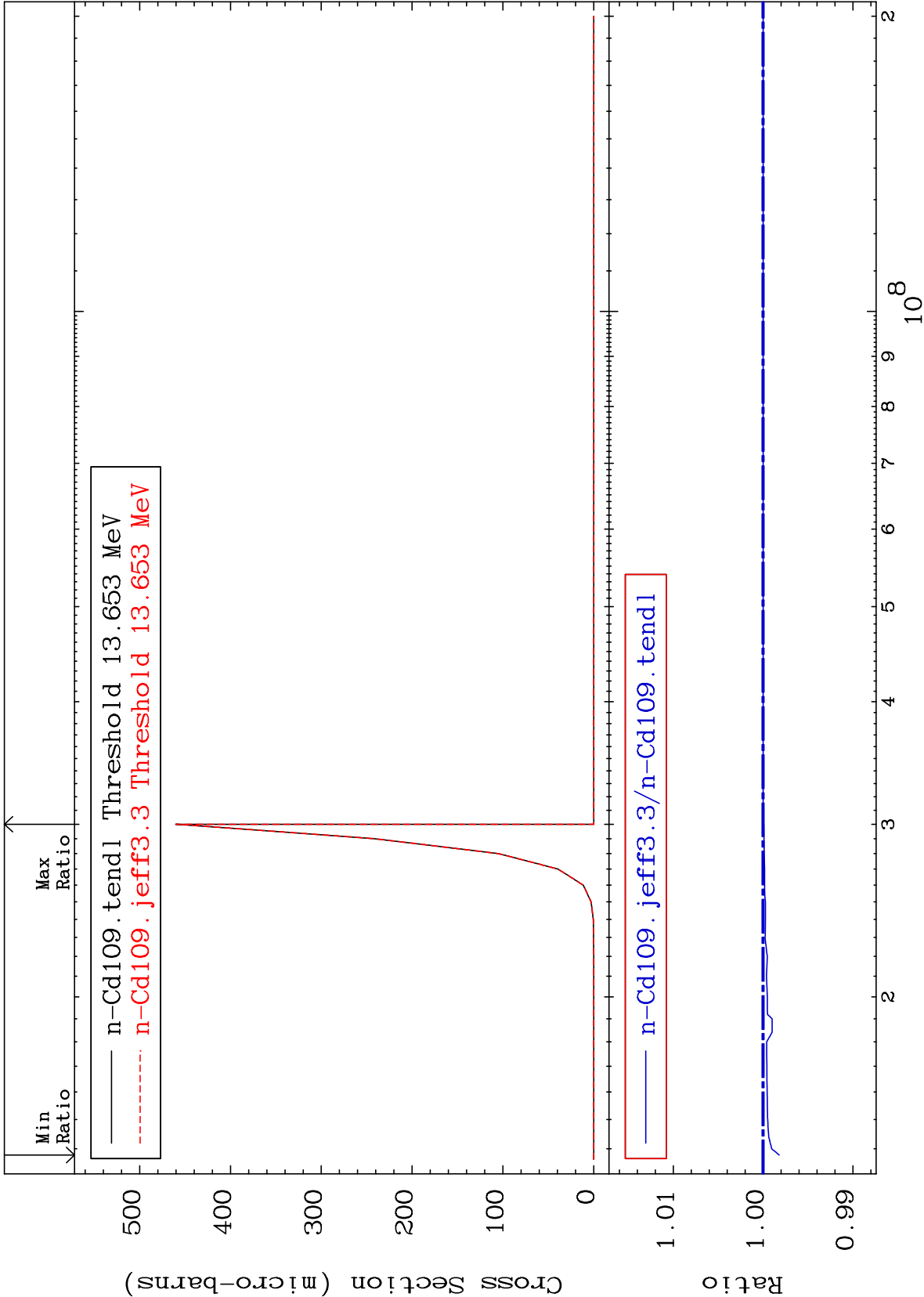
MAT 4834

(n,n') He-3

48-Cd-109

Cross Section

-0.181 To 0.000 %



MAT 4834

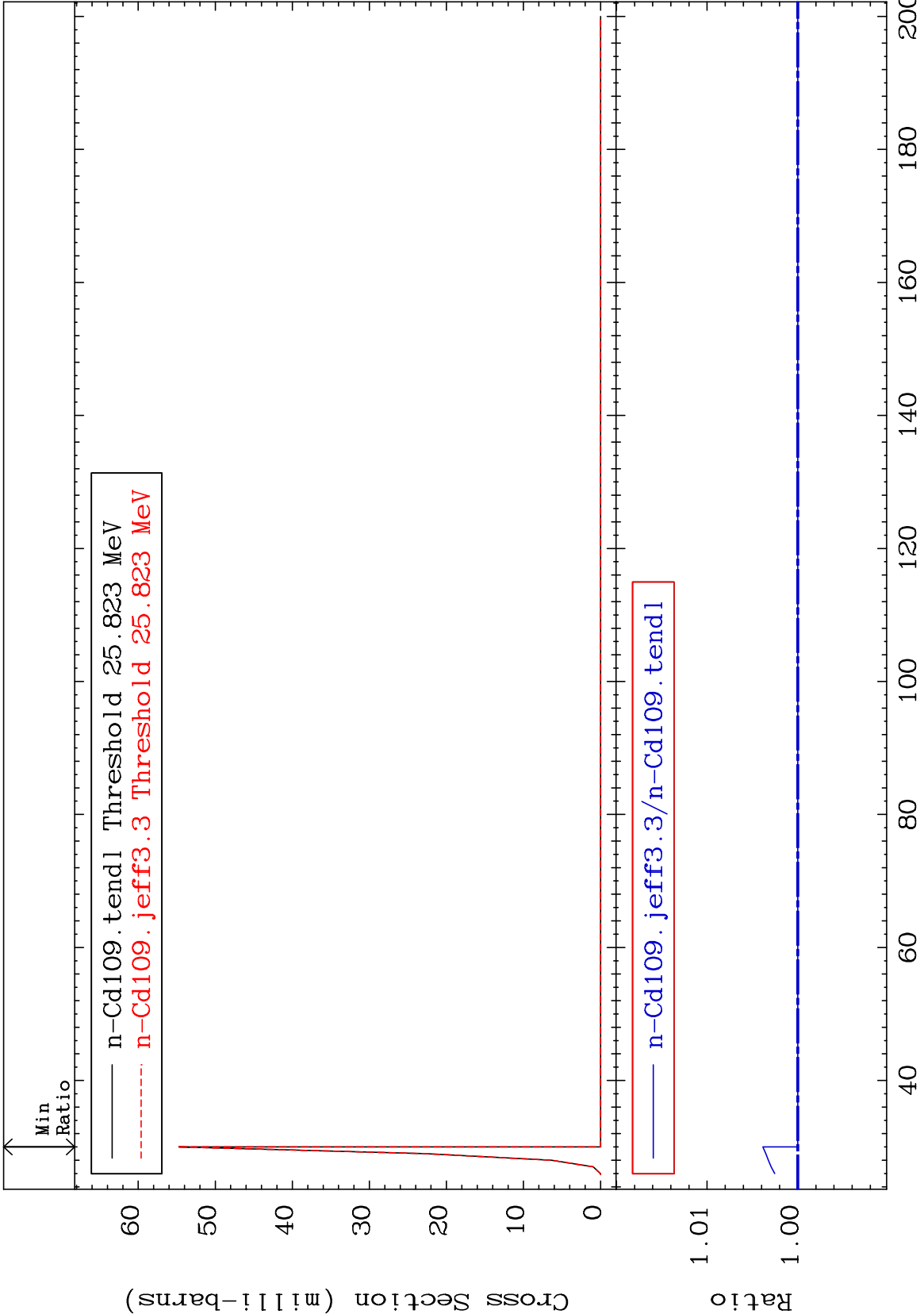
(n,4n)

48-Cd-109

Cross Section

0.000

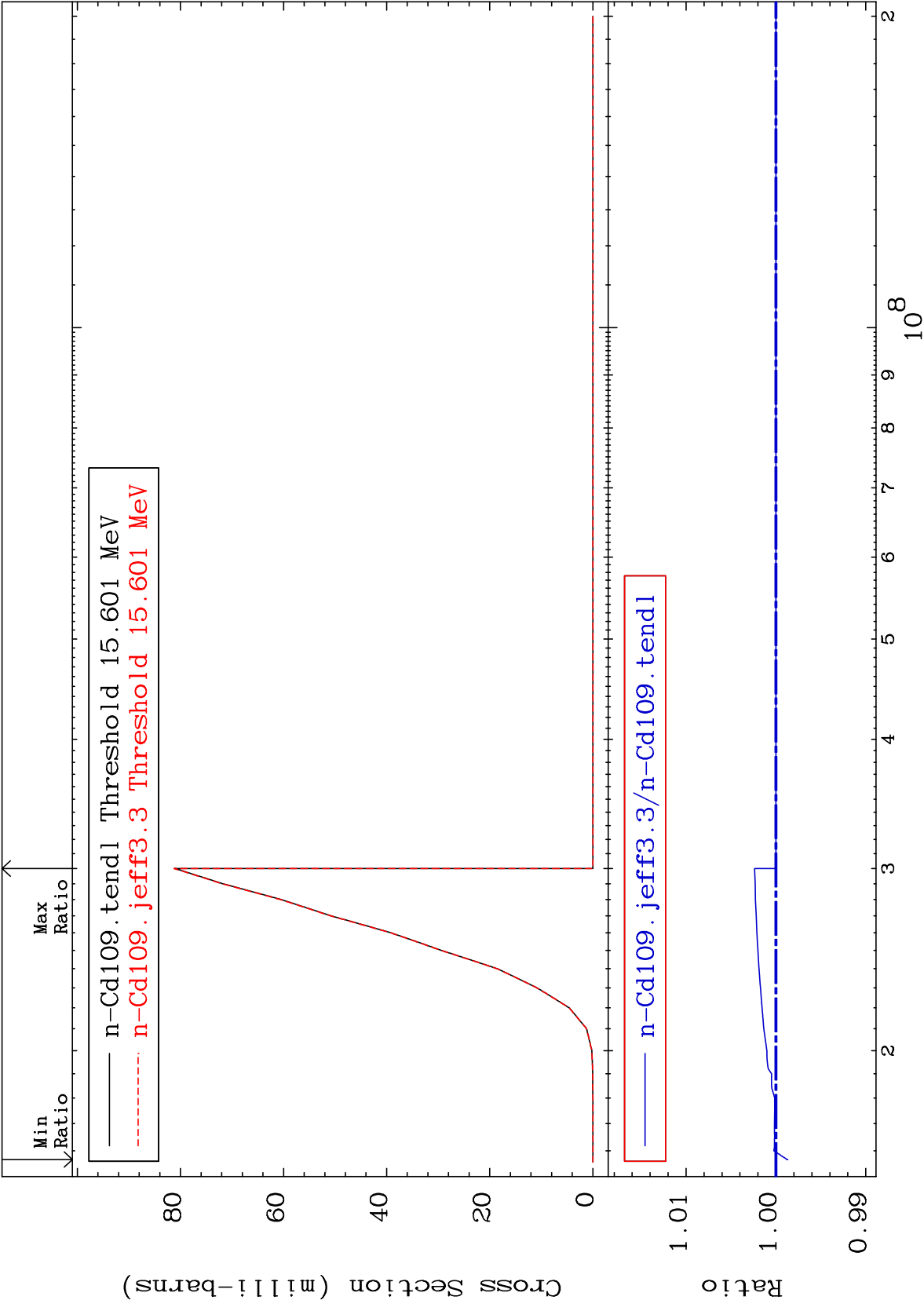
To 0.385 %

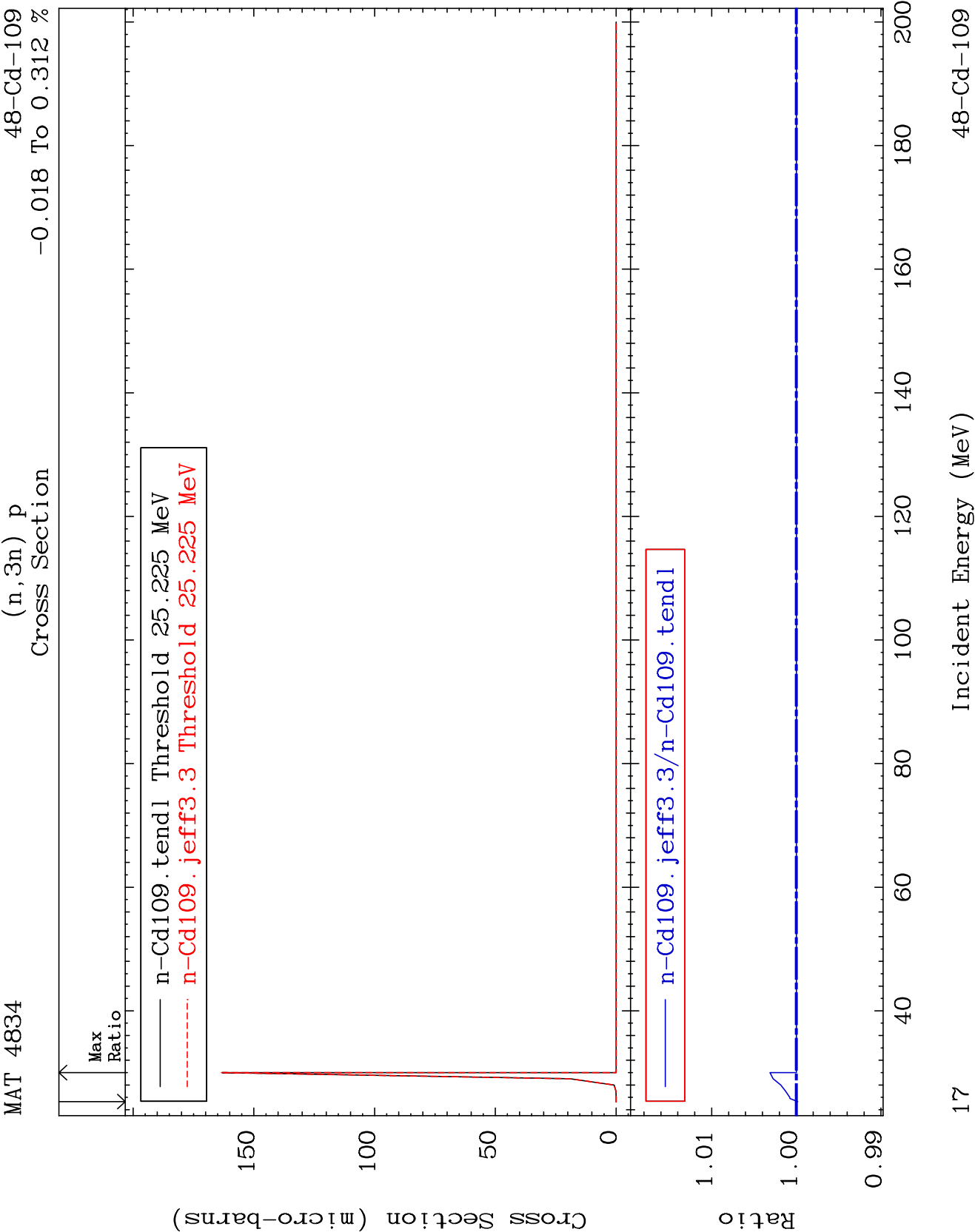


15

Incident Energy (MeV)

48-Cd-109

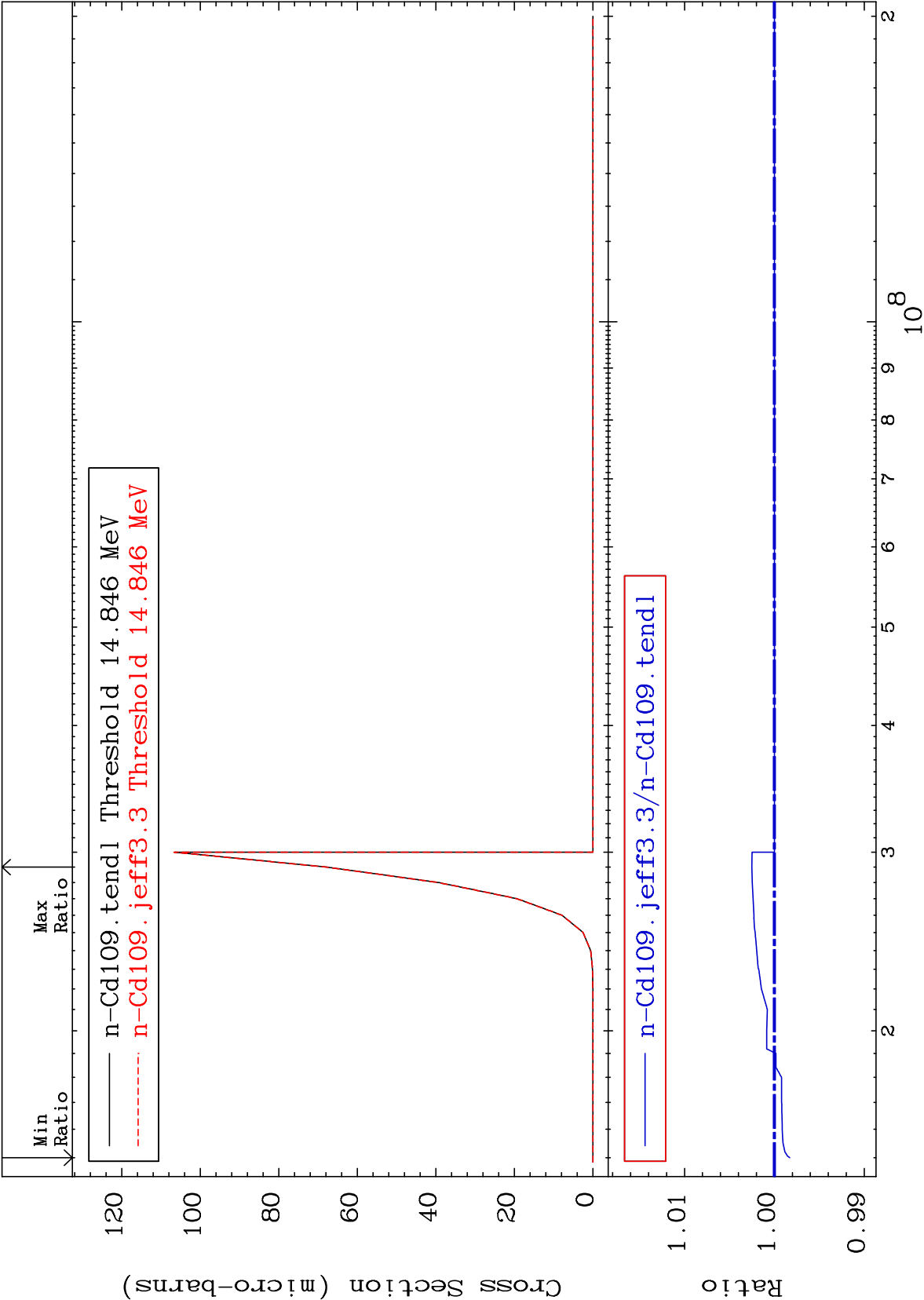


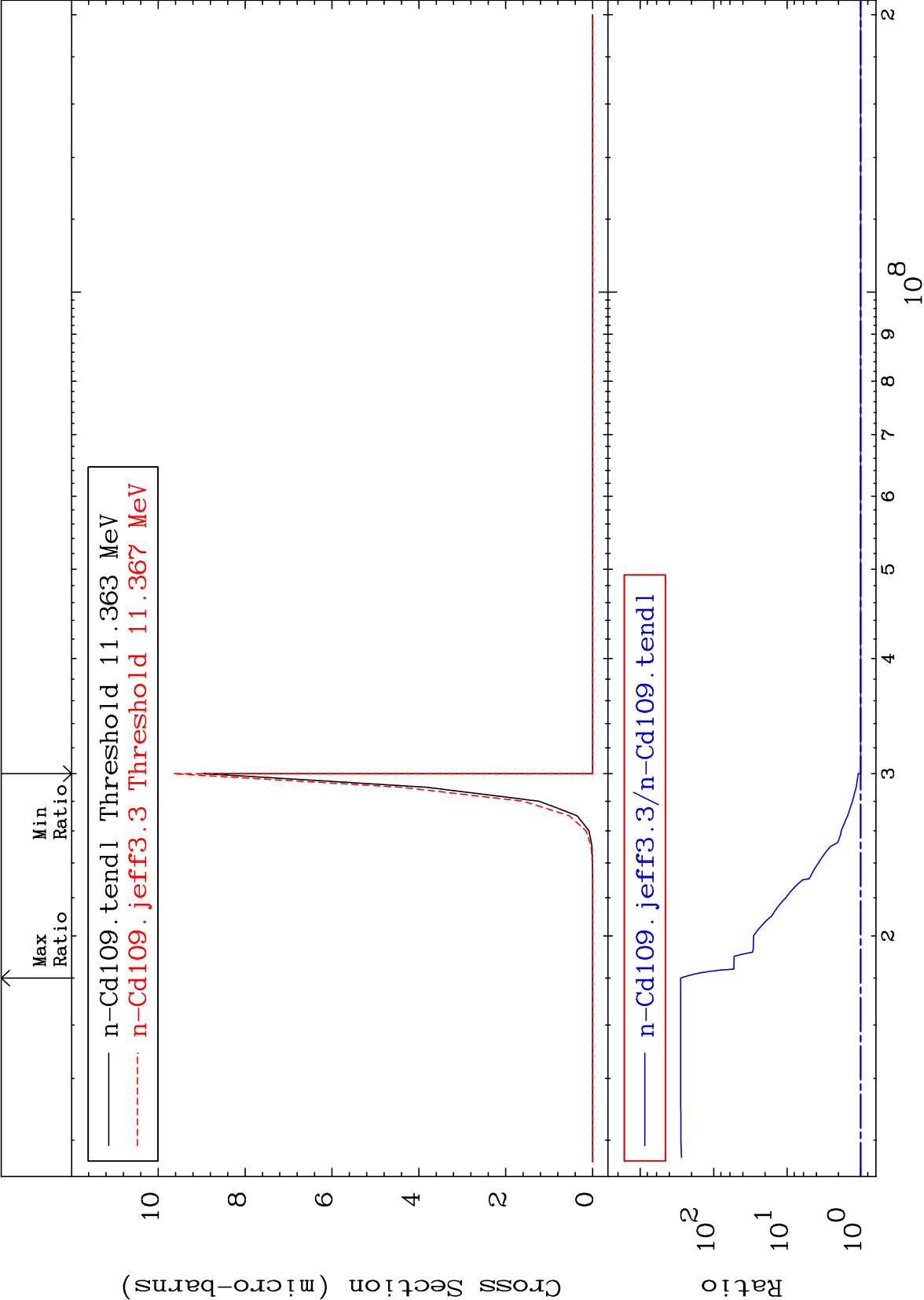


MAT 4834

(n,2n) p  
Cross Section

48-Cd-109  
-0.172 To 0.251 %



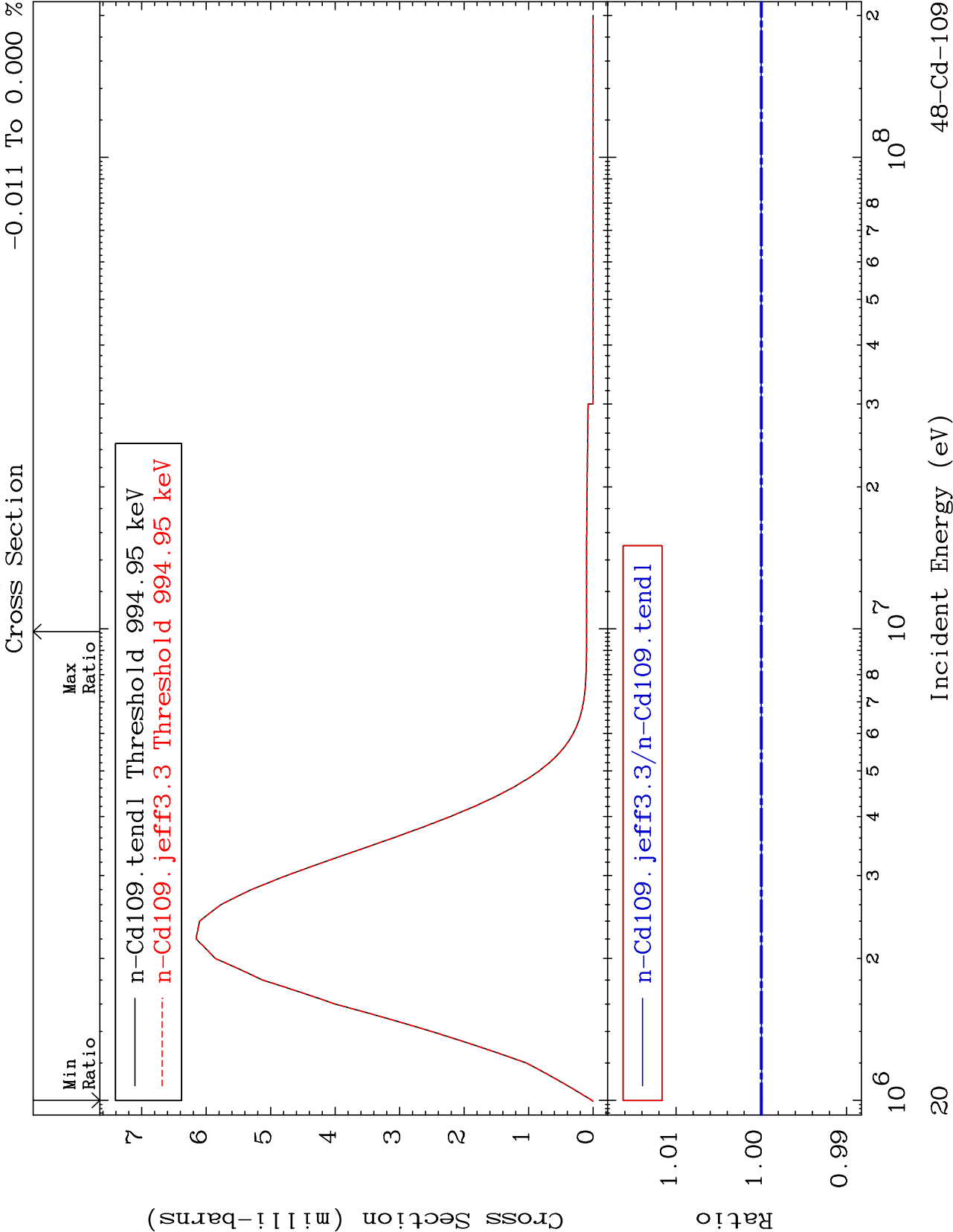


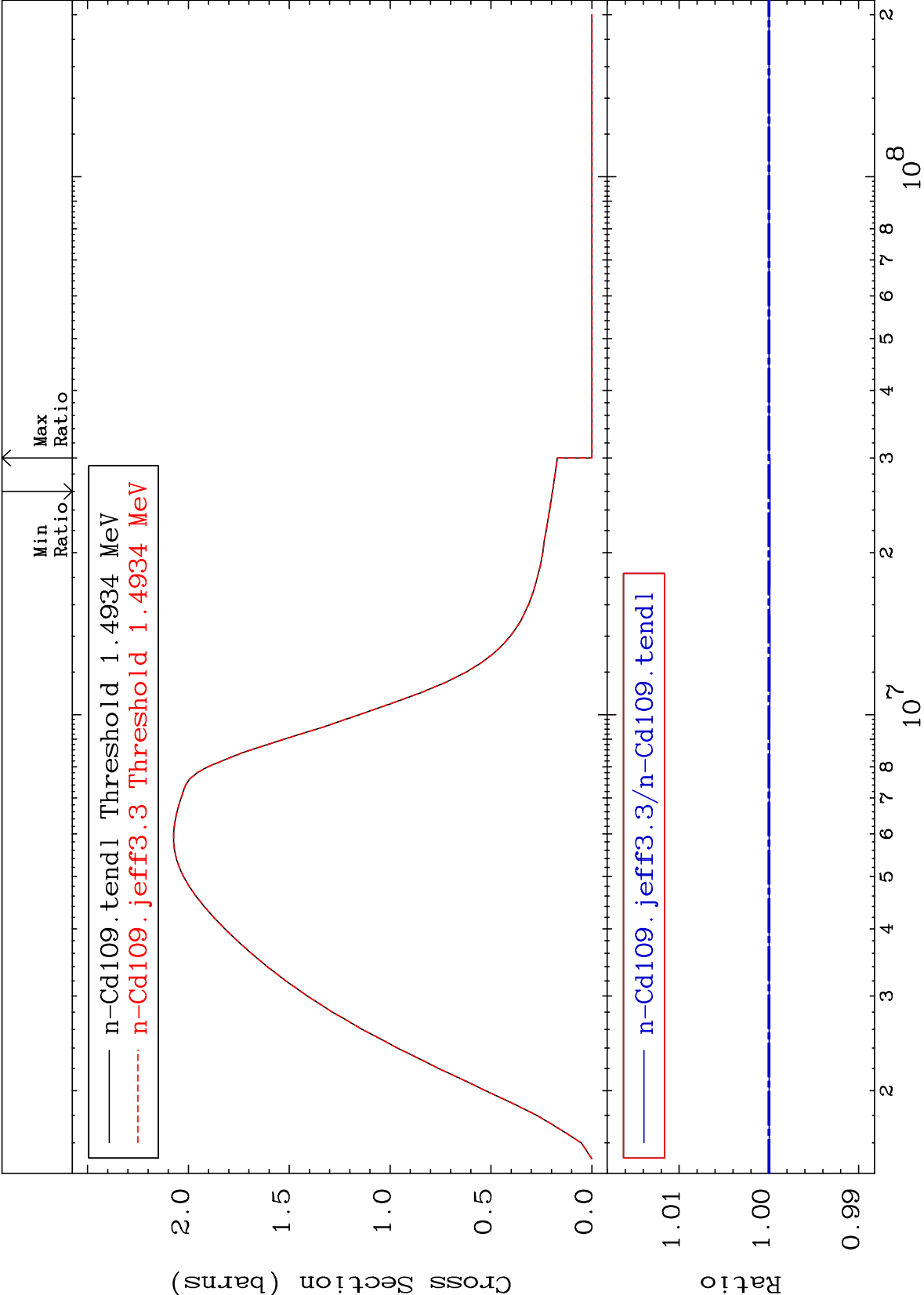
MAT 4834

MT= 63 (n,n') Level

48-Cd-109

-0.011 To 0.000 %



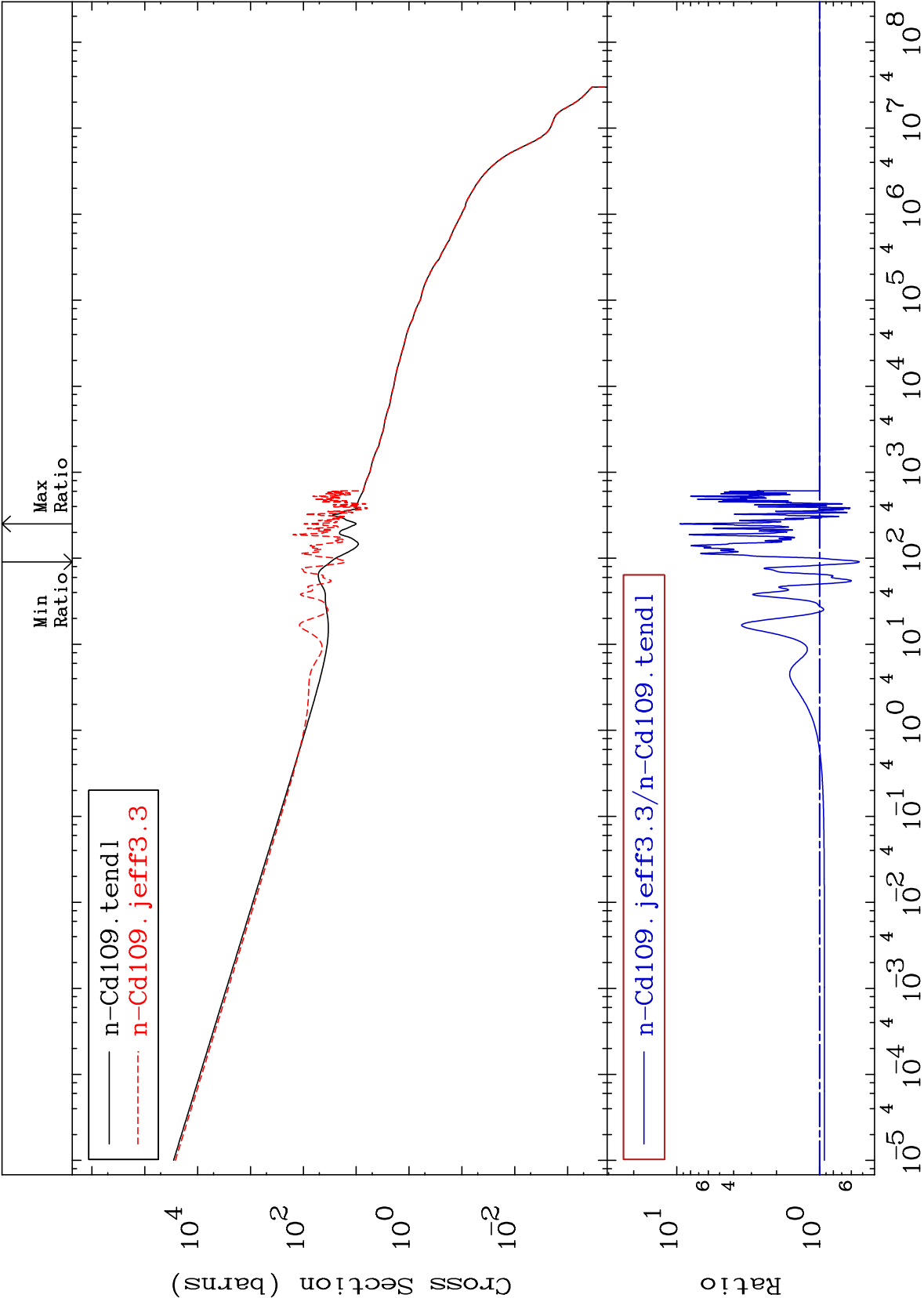


MAT 4834

48-Cd-109

-47.28 To 851.9 %

(n,  $\gamma$ )  
Cross Section



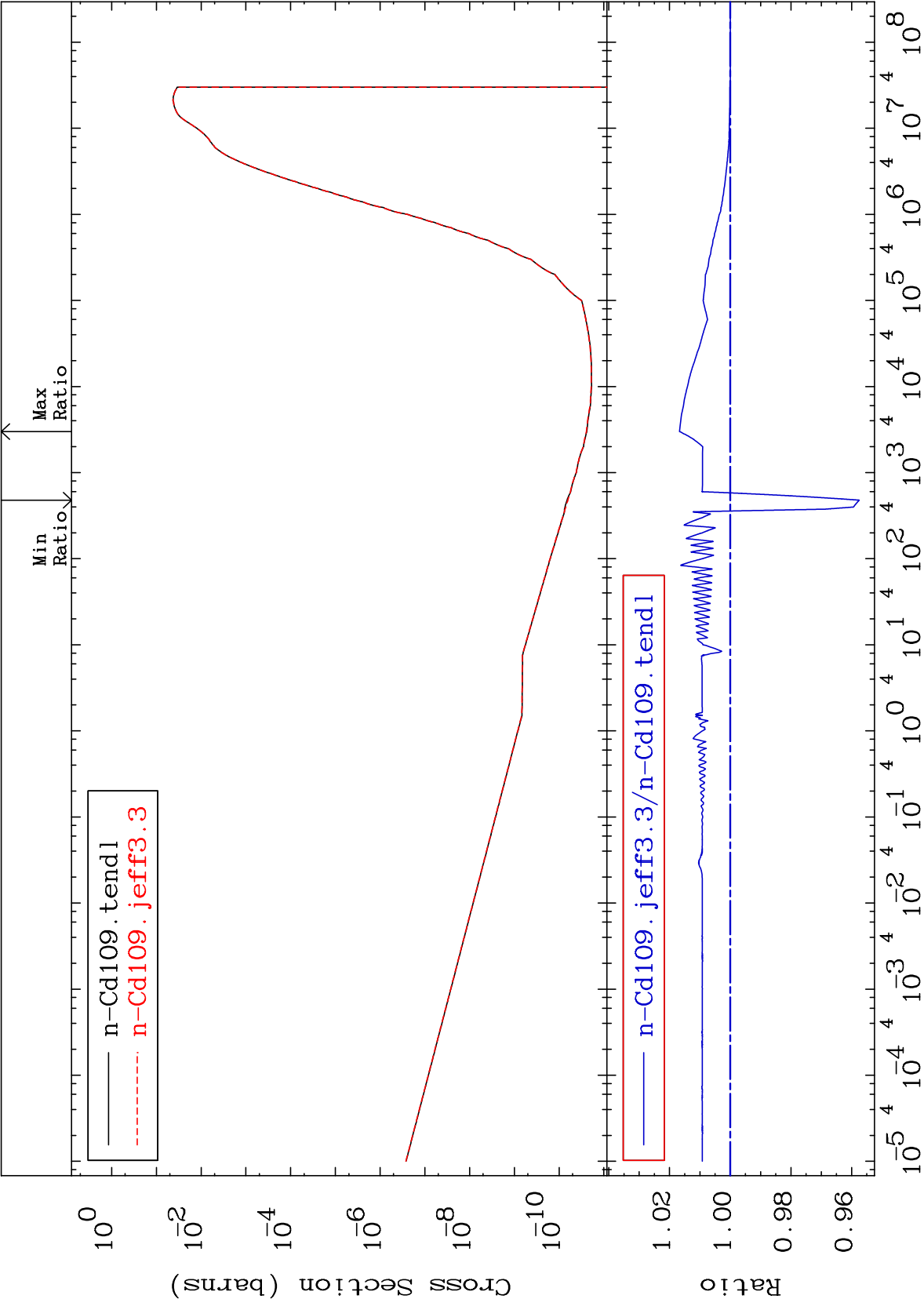
22

Incident Energy (eV)

48-Cd-109

(n,p)  
Cross Section

-4.249 To 1.671 %

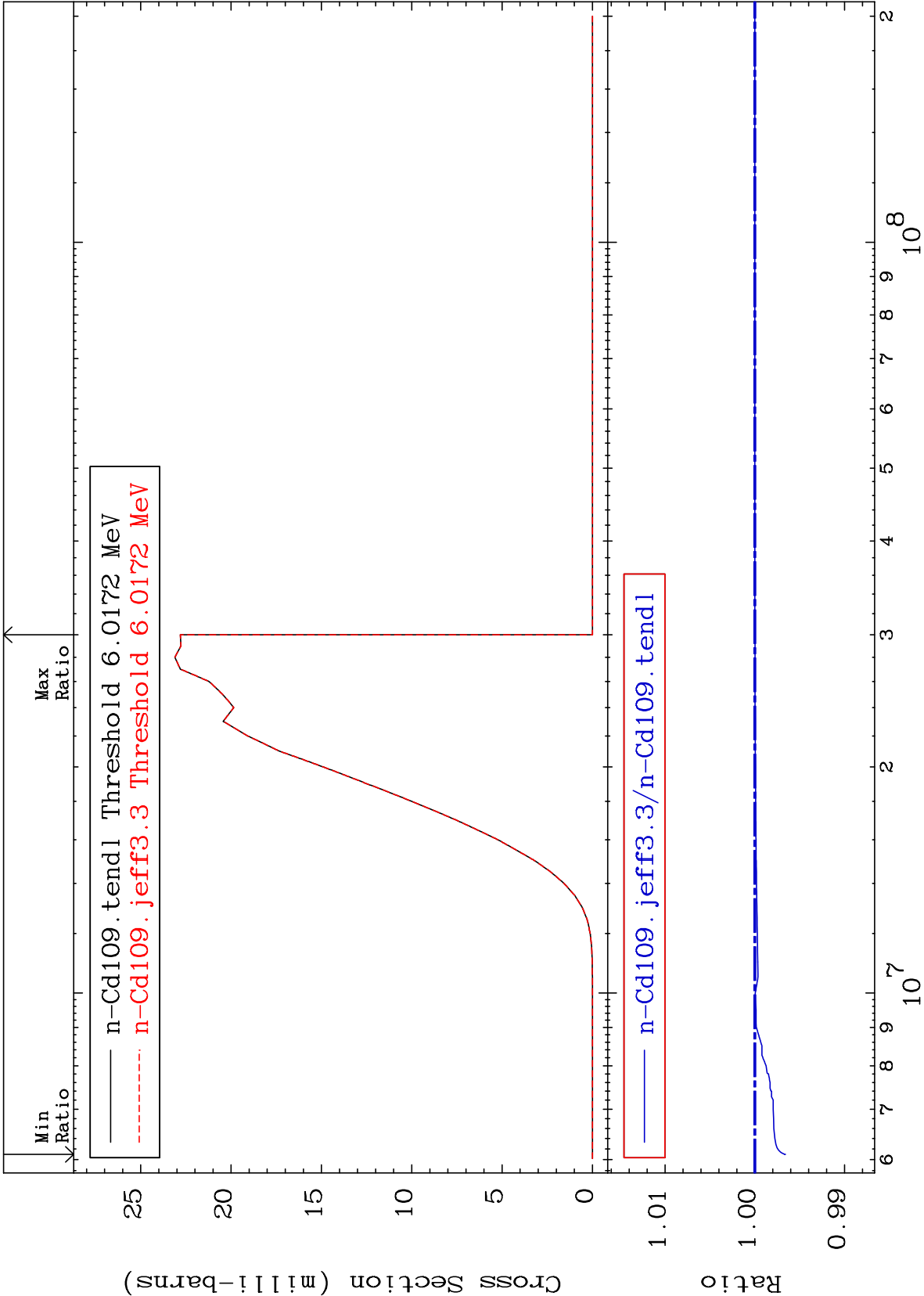


MAT 4834

48-Cd-109

-0.332 To 0.000 %

(n,d)  
Cross Section



24

Incident Energy (eV)

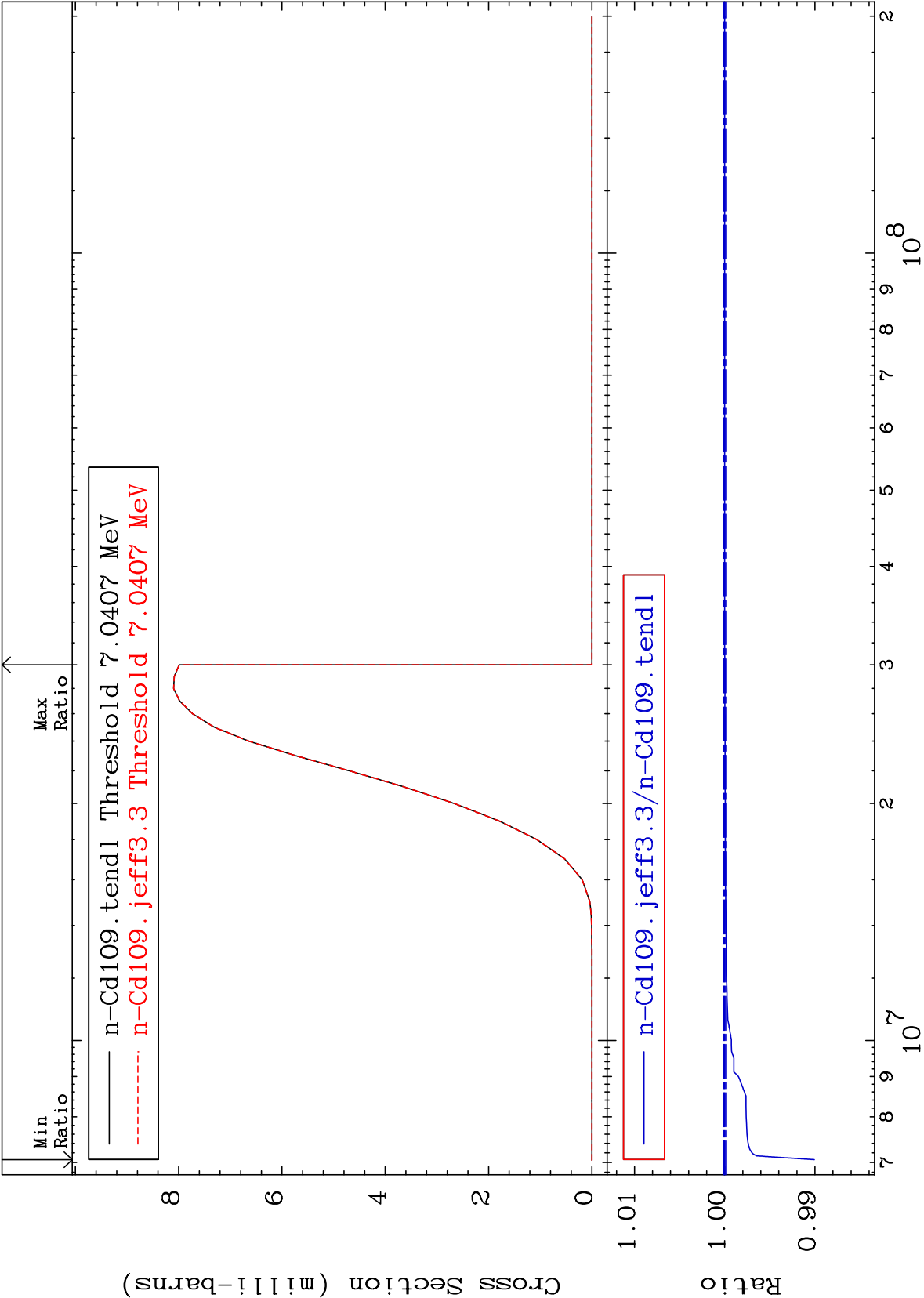
48-Cd-109

MAT 4834

48-Cd-109

(n,t)  
Cross Section

-0.993 To 0.000 %



25

Incident Energy (eV)

48-Cd-109

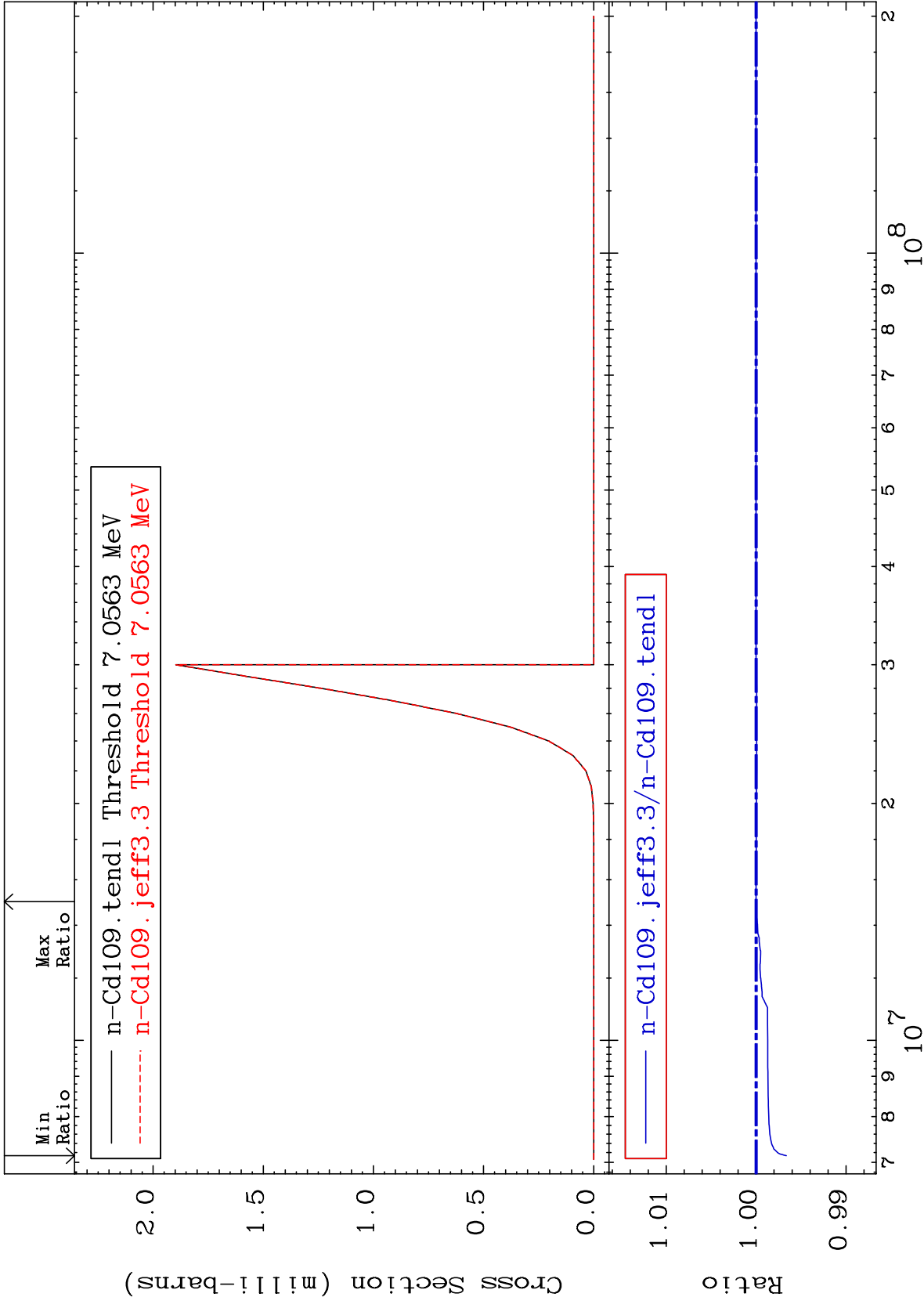
MAT 4834

(n,He-3)

48-Cd-109

Cross Section

-0.336 To 0.000 %

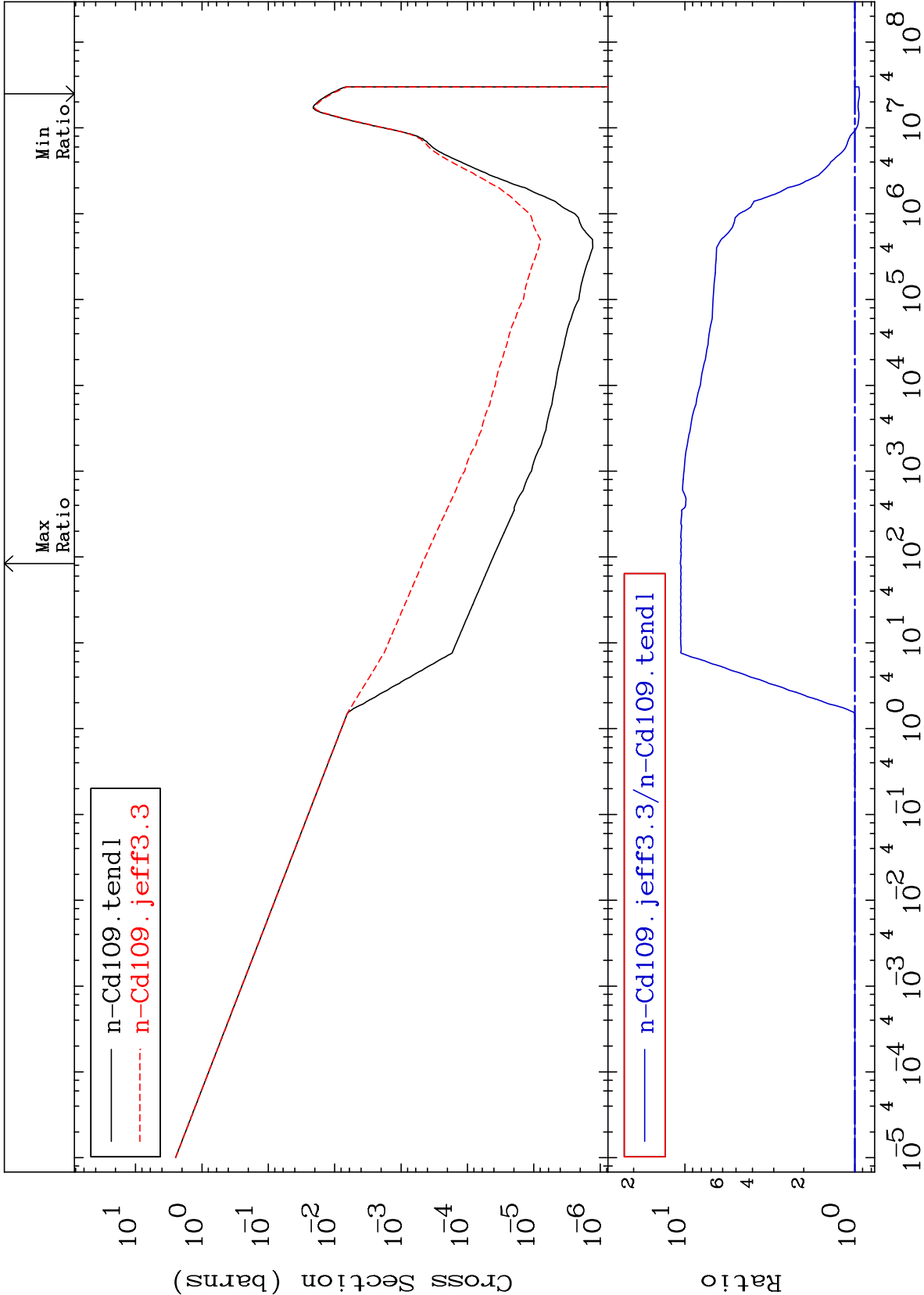


MAT 4834

48-Cd-109

(n,  $\alpha$ )  
Cross Section

-6.007 To 962.7 %

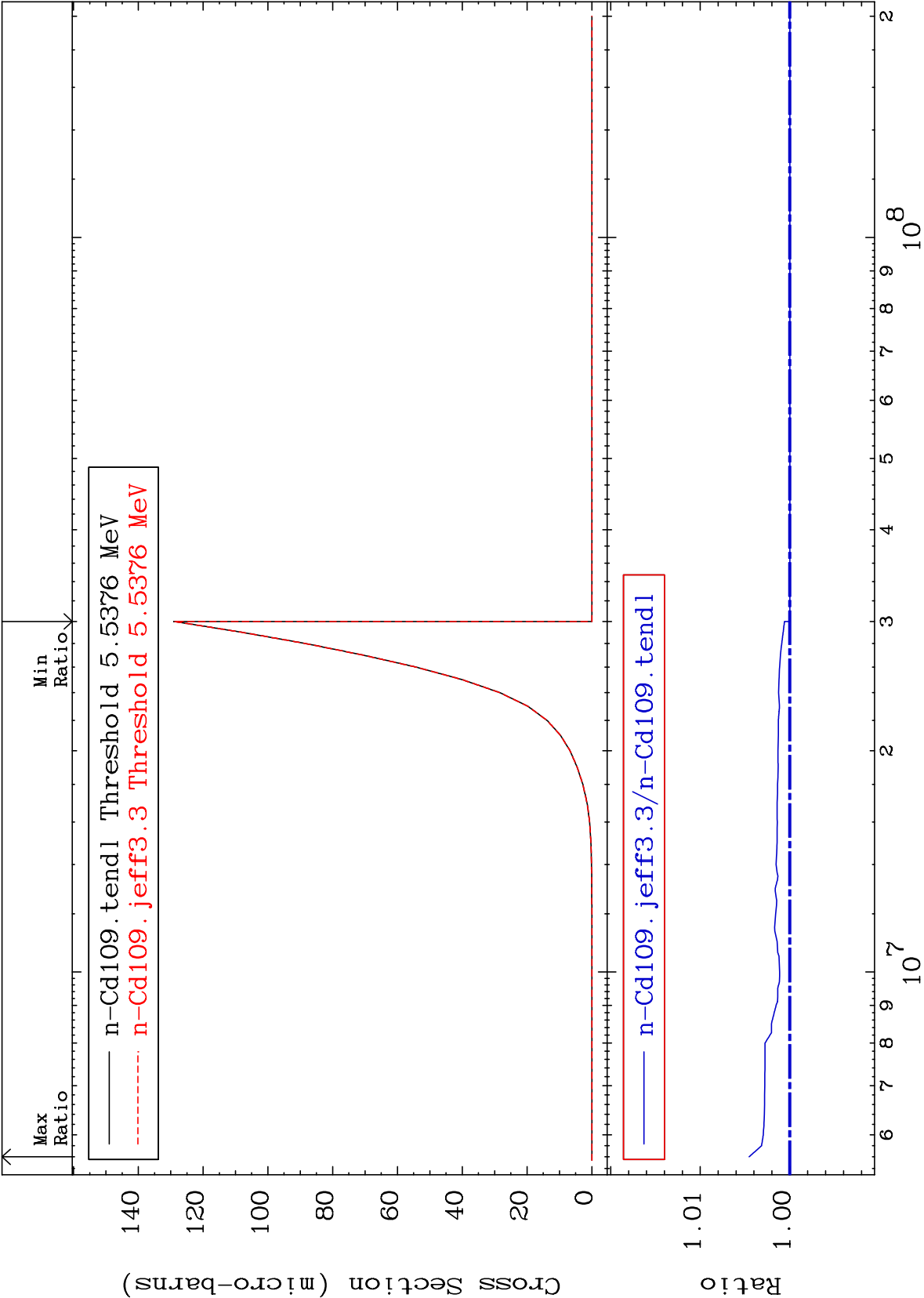


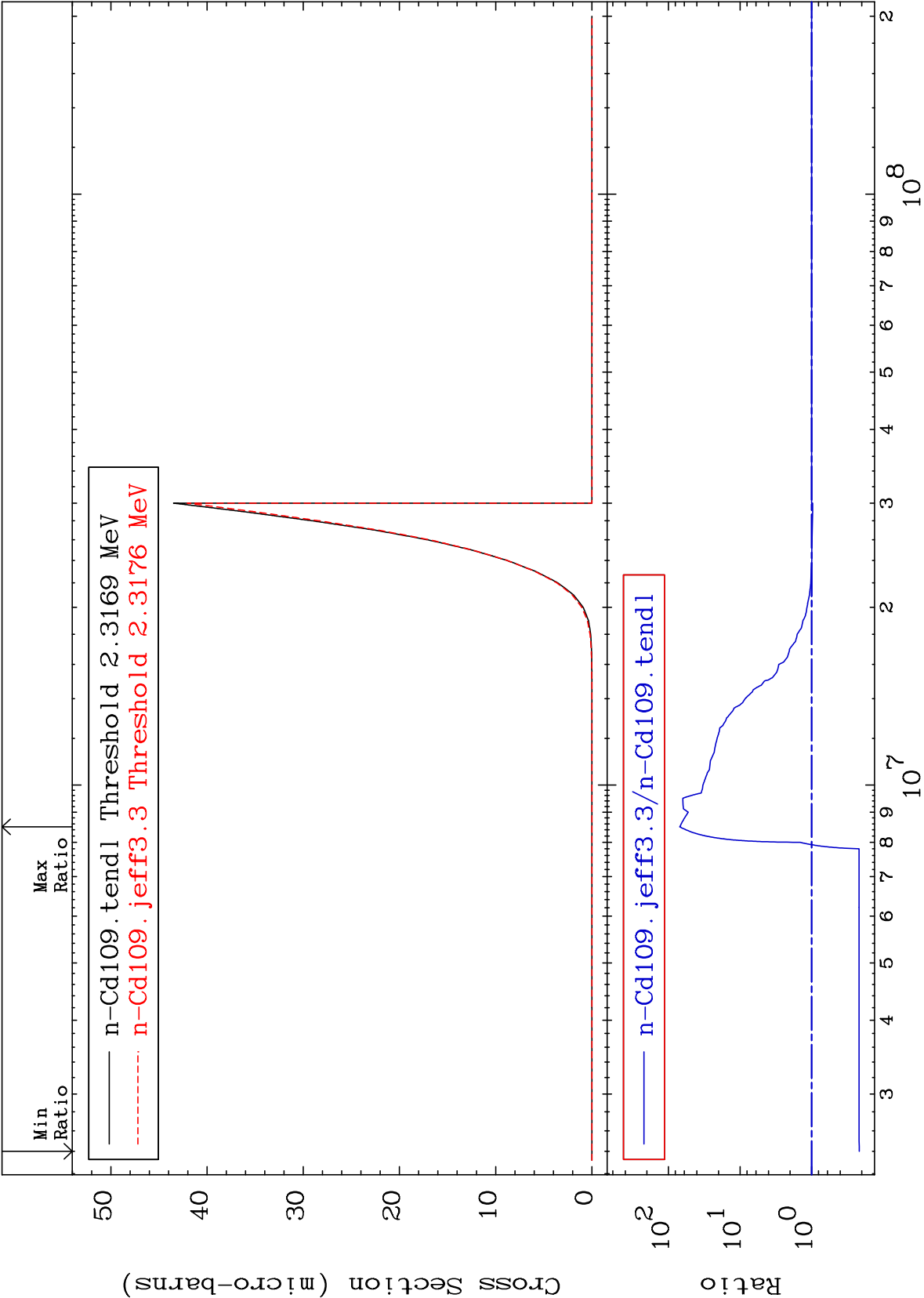
27

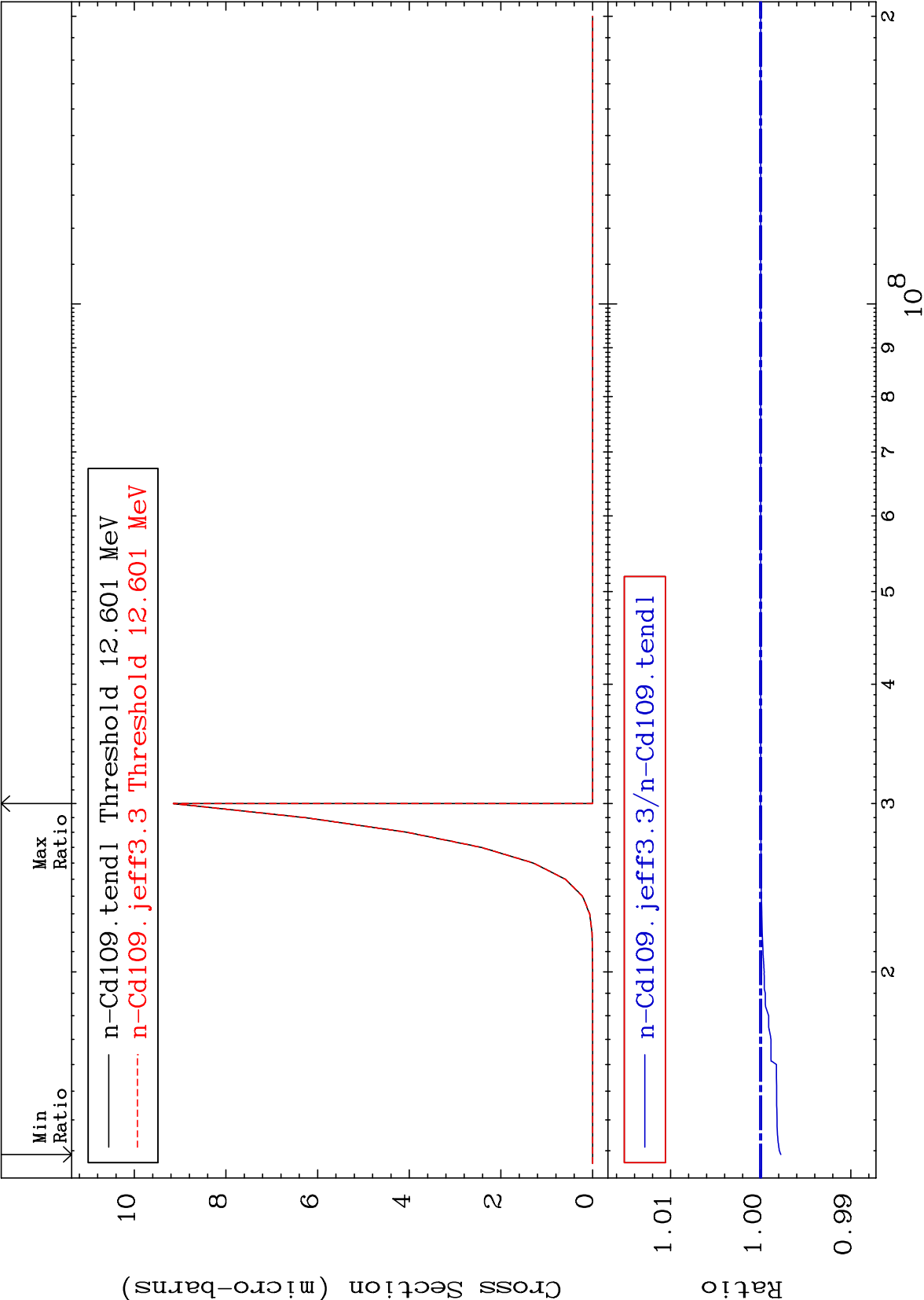
Incident Energy (eV)

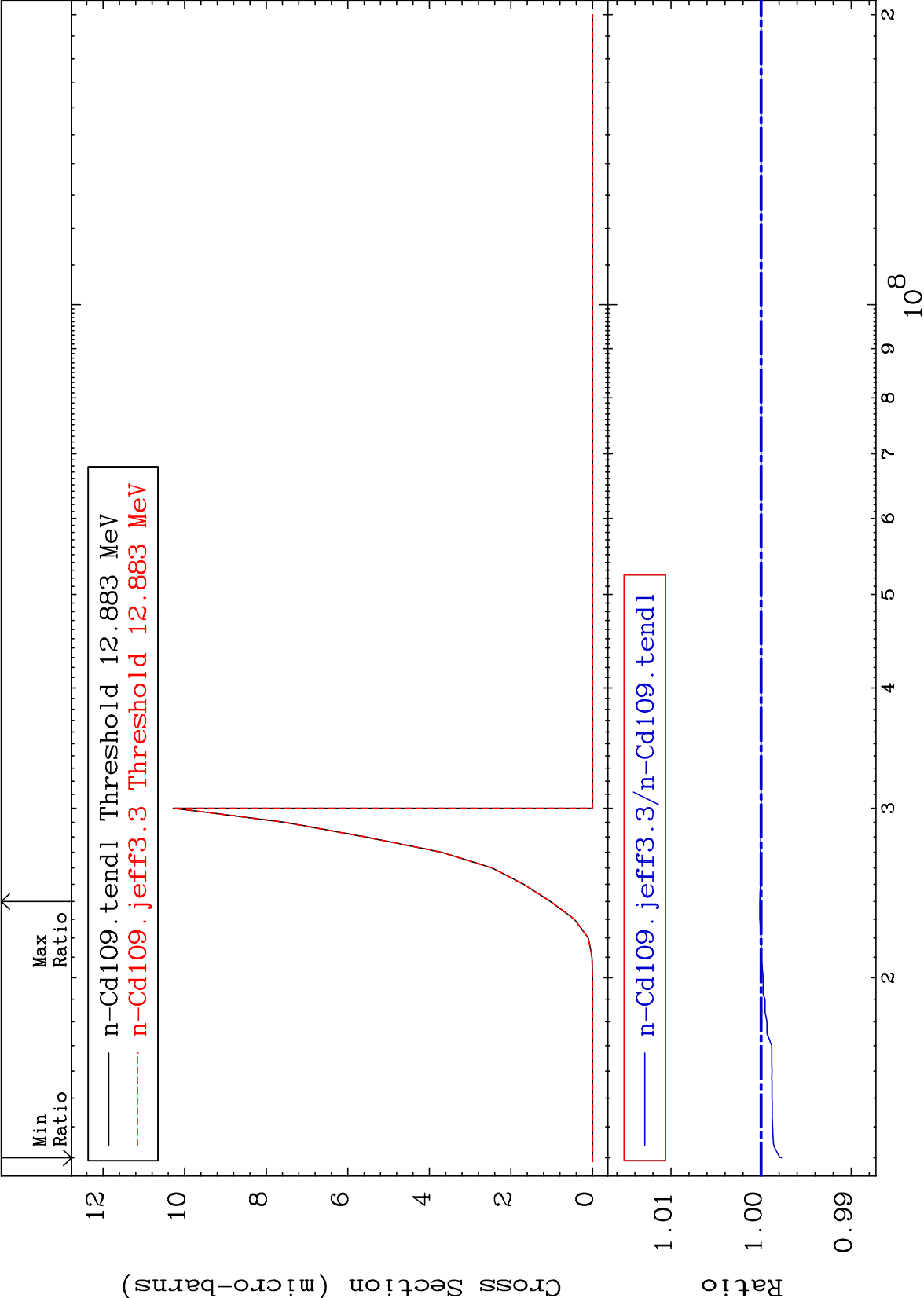
48-Cd-109

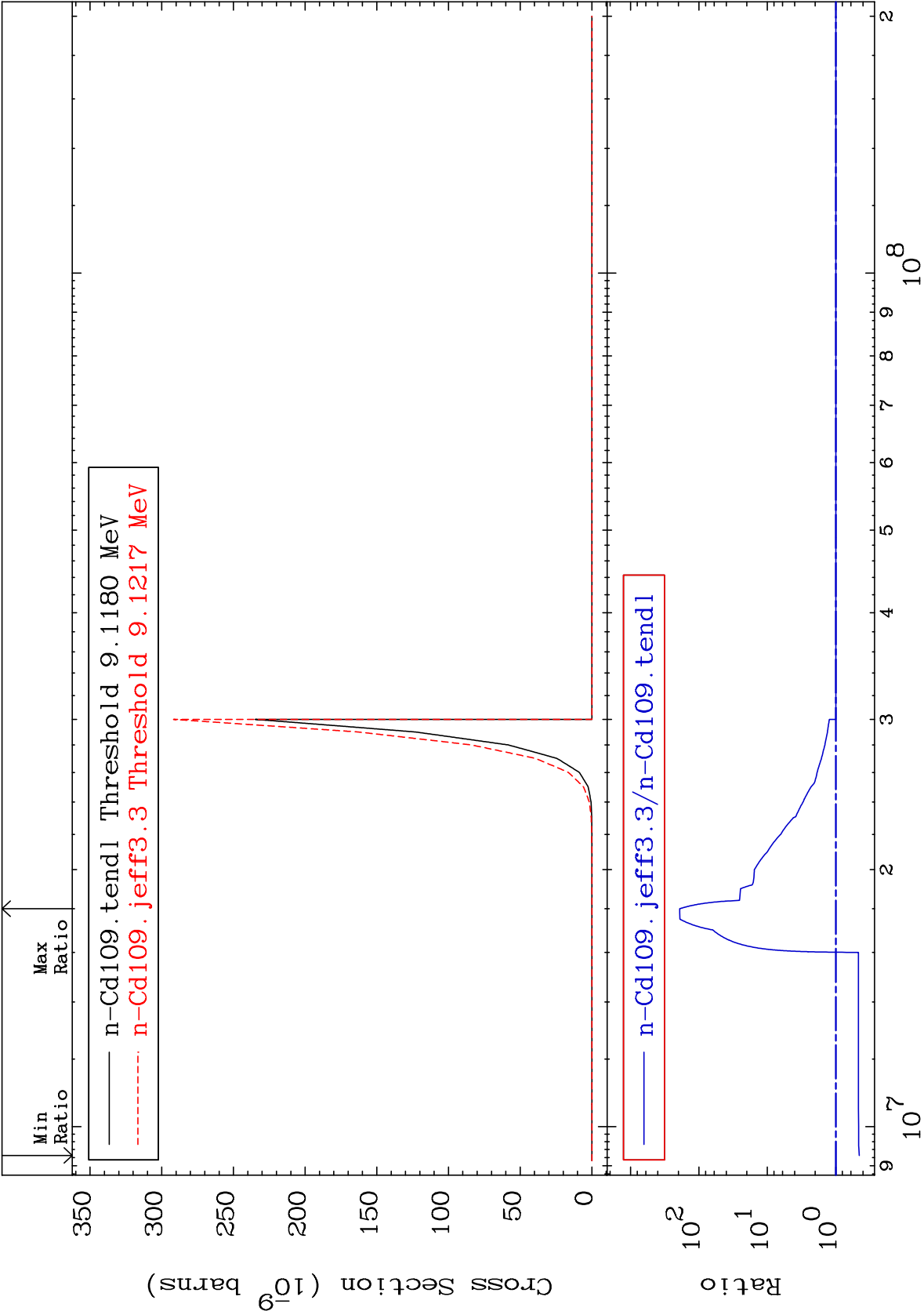








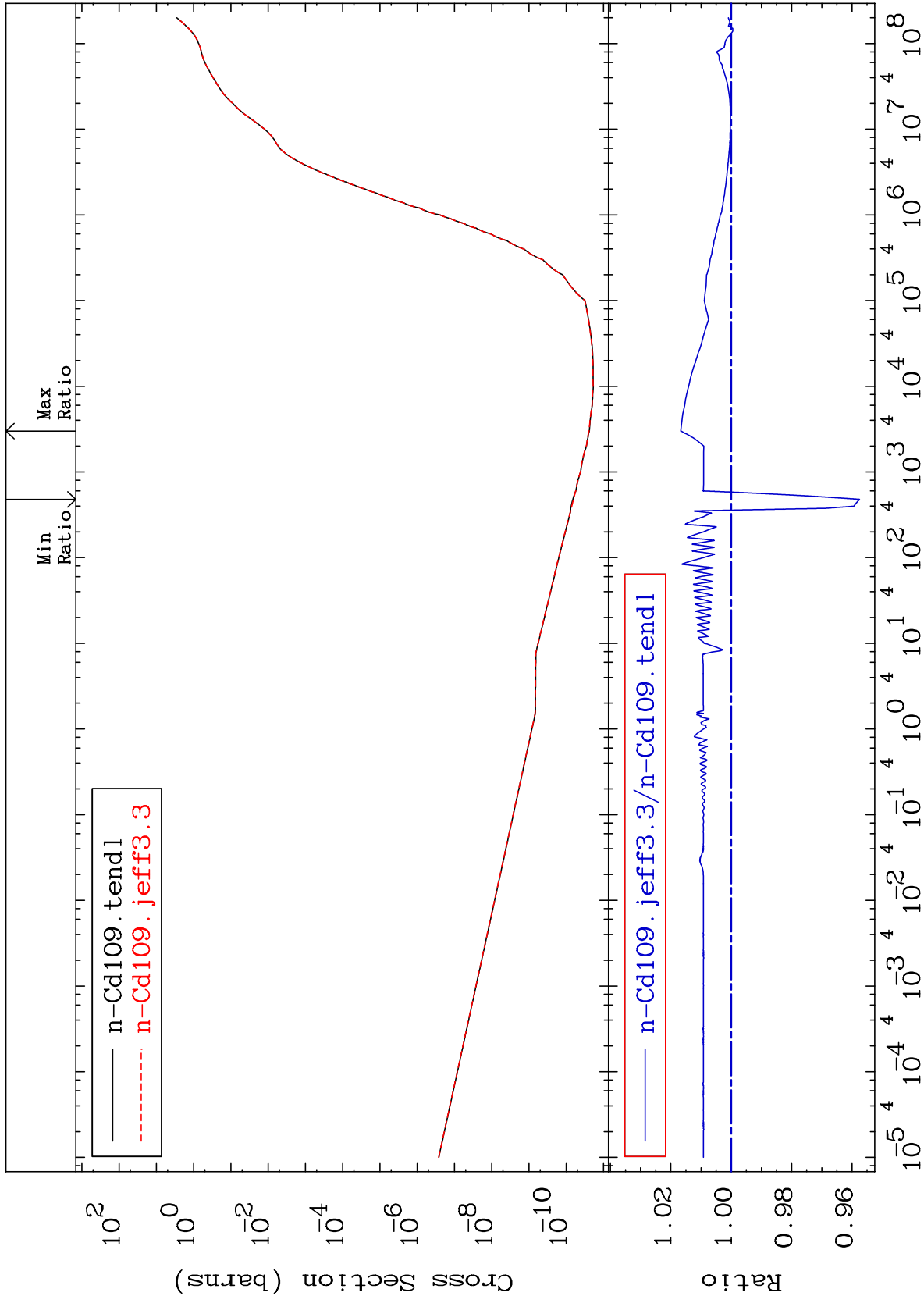




MAT 4834

Hydrogen Production  
Cross Section

48-Cd-109  
-4.249 To 1.671 %



34

Incident Energy (eV)

48-Cd-109

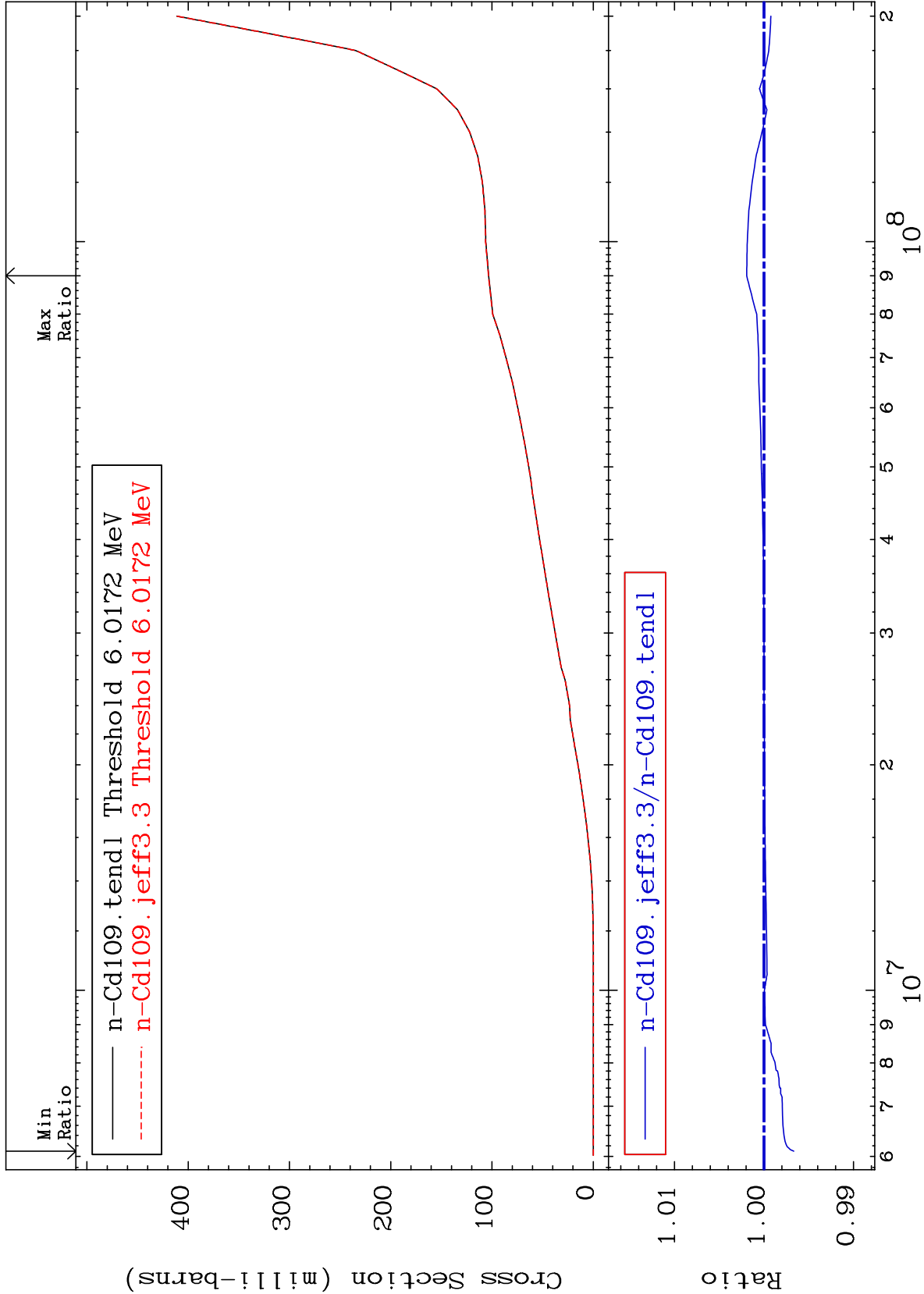
MAT 4834

Deuterium Production

48-Cd-109

Cross Section

-0.332 To 0.194 %



35

Incident Energy (eV)

48-Cd-109

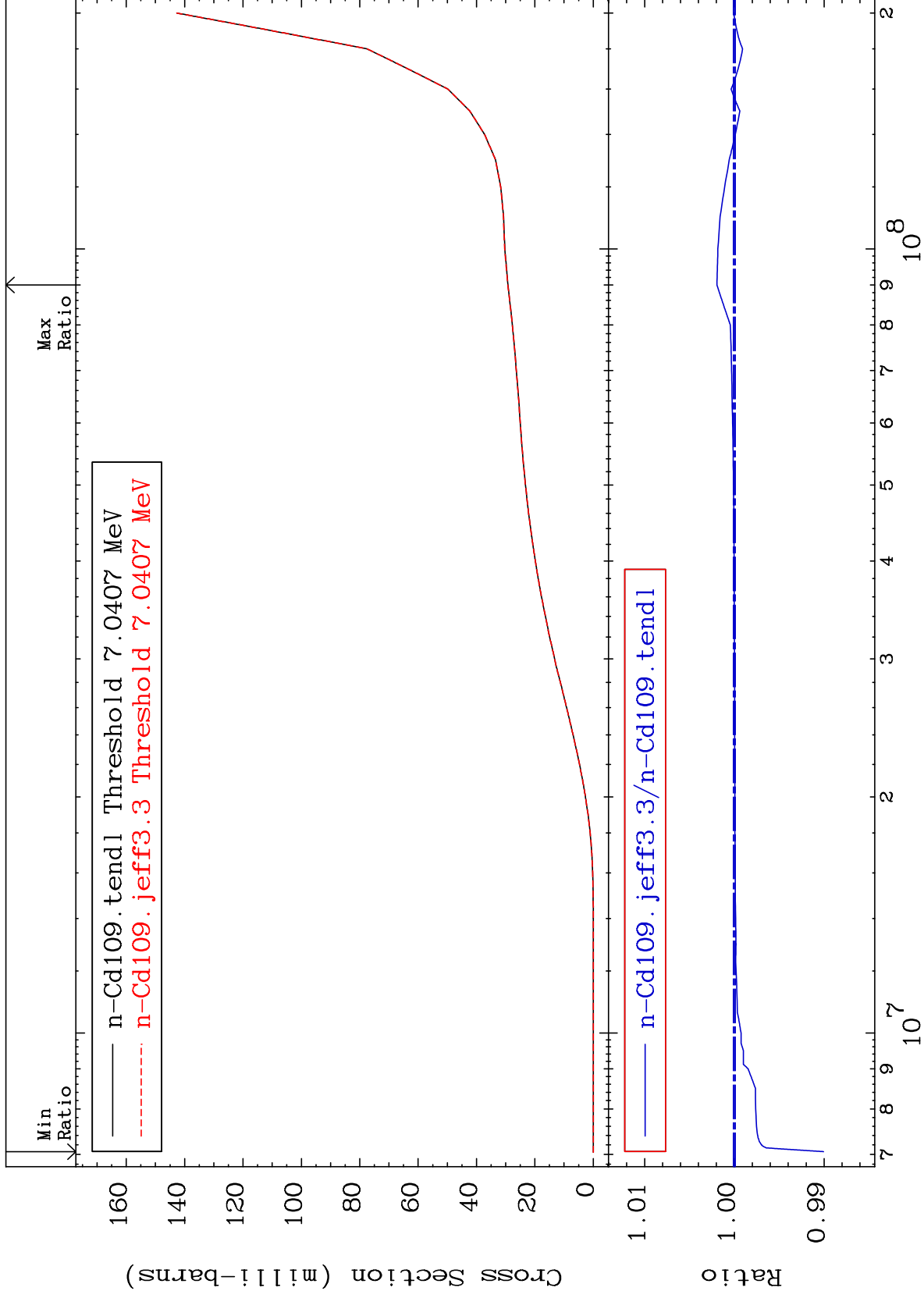
MAT 4834

Tritium Production

48-Cd-109

Cross Section

-0.993 To 0.195 %



36

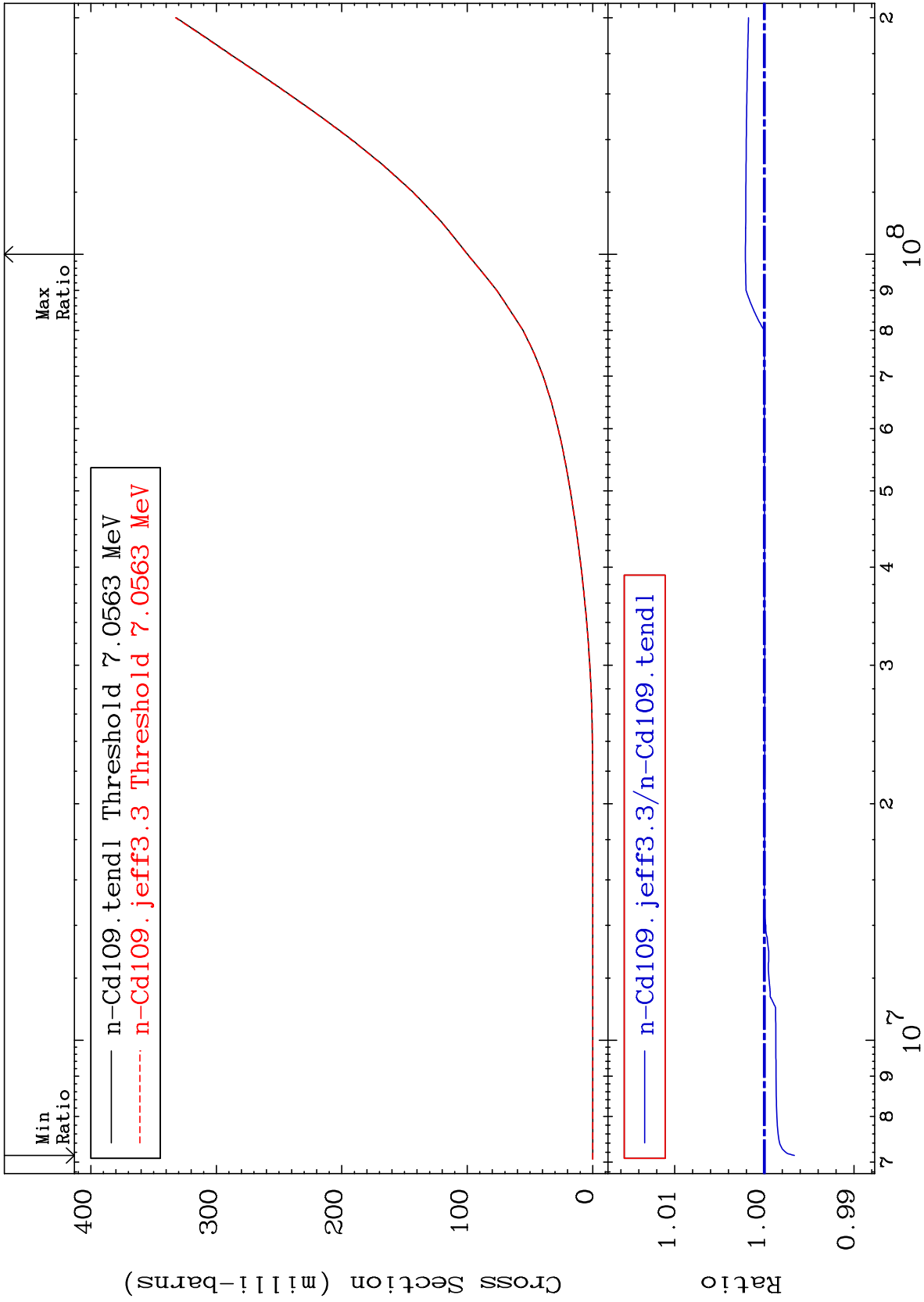
Incident Energy (eV)

48-Cd-109

MAT 4834

He-3 Production  
Cross Section

48-Cd-109  
-0.336 To 0.212 %



37

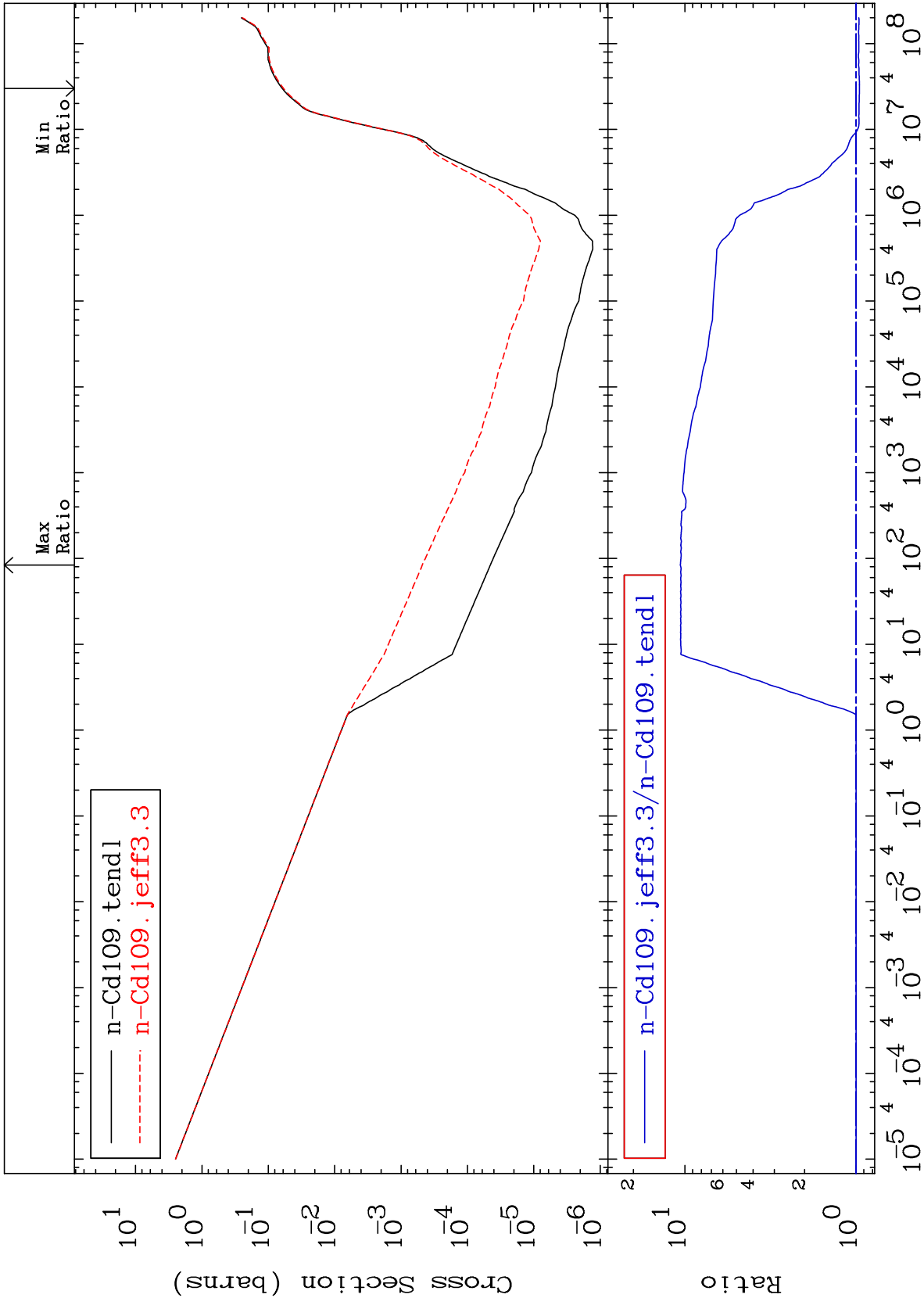
Incident Energy (eV)

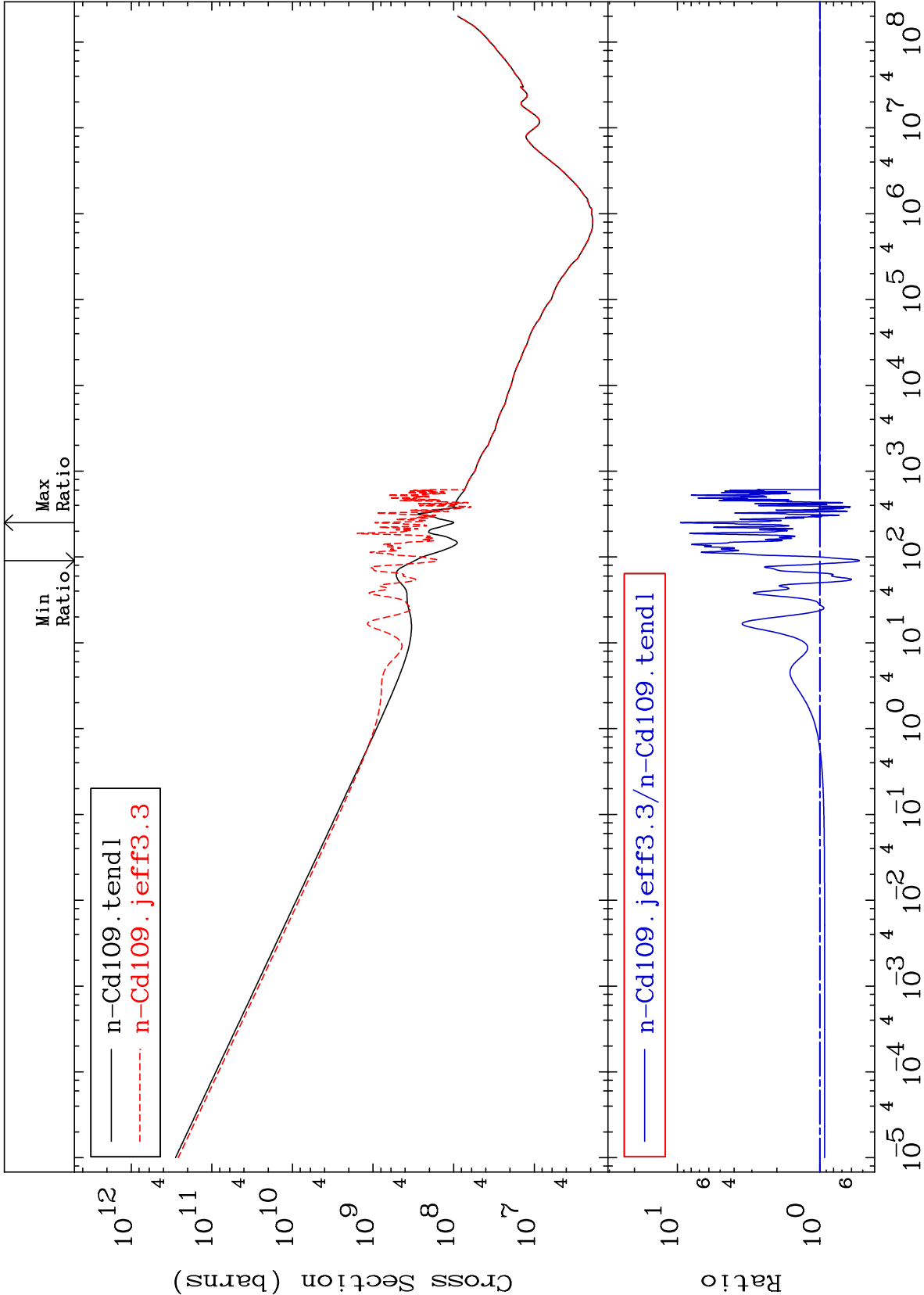
48-Cd-109

MAT 4834

He-4 Production  
Cross Section

48-Cd-109  
-4.492 To 962.7 %

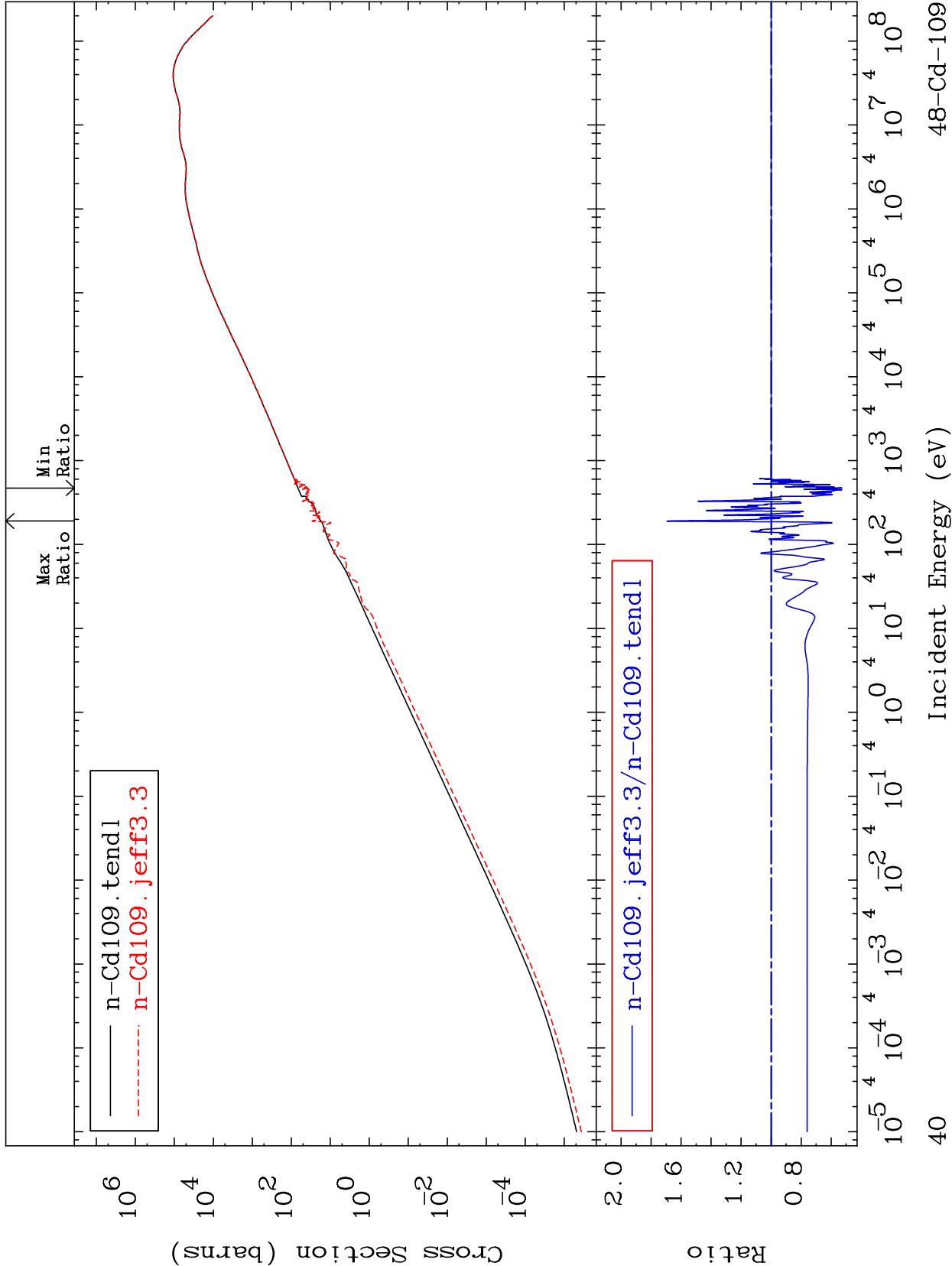


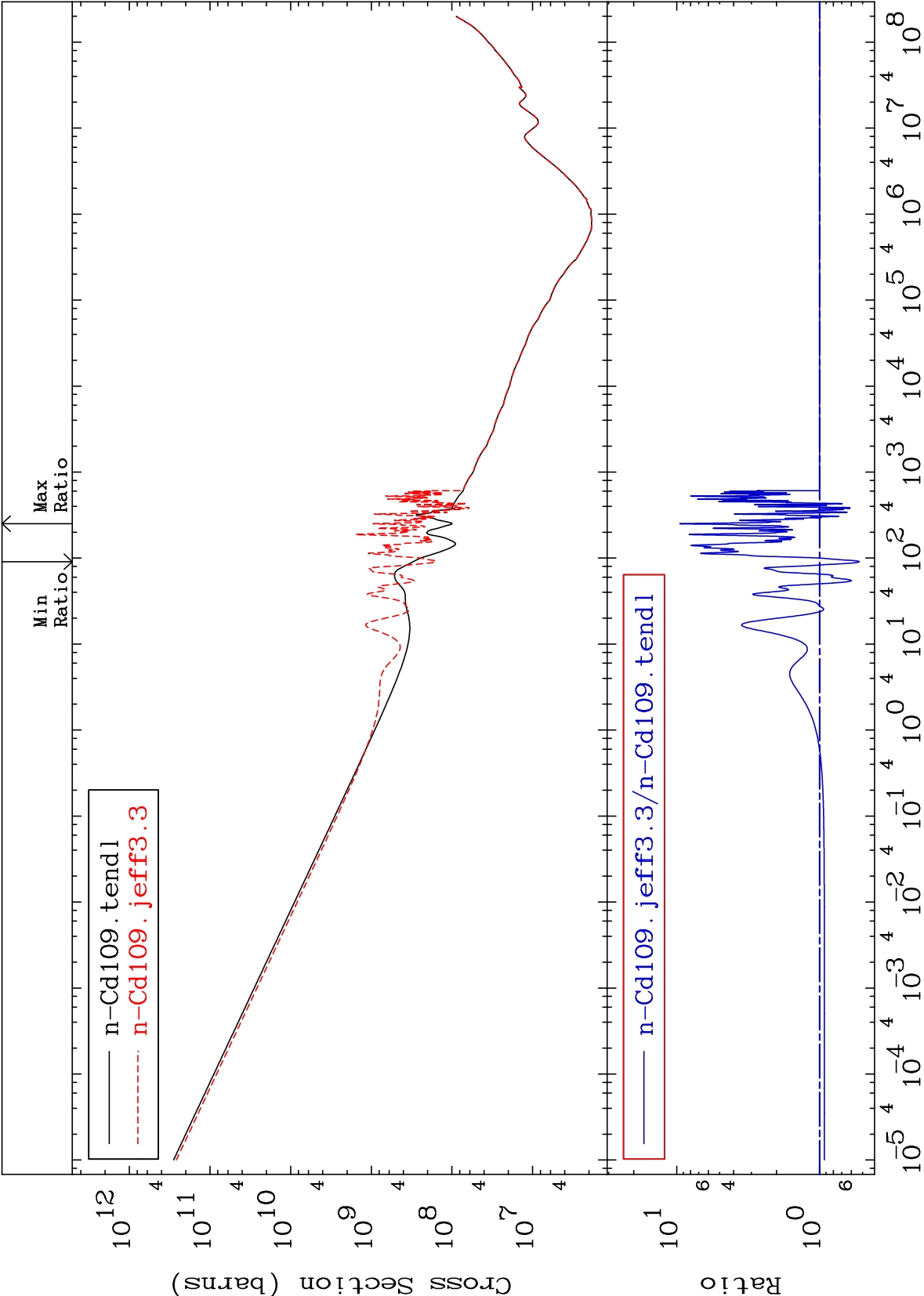


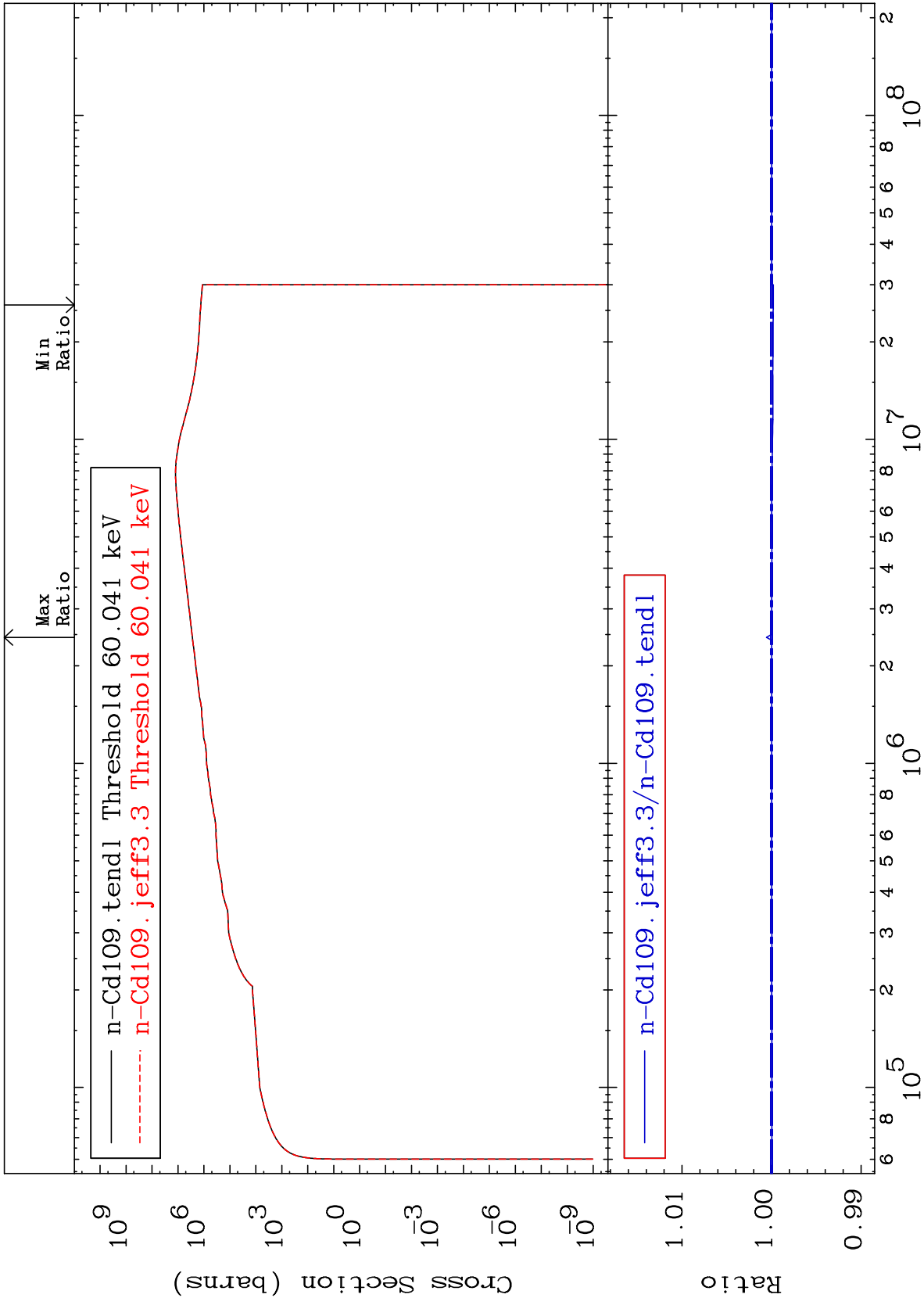
MAT 4834

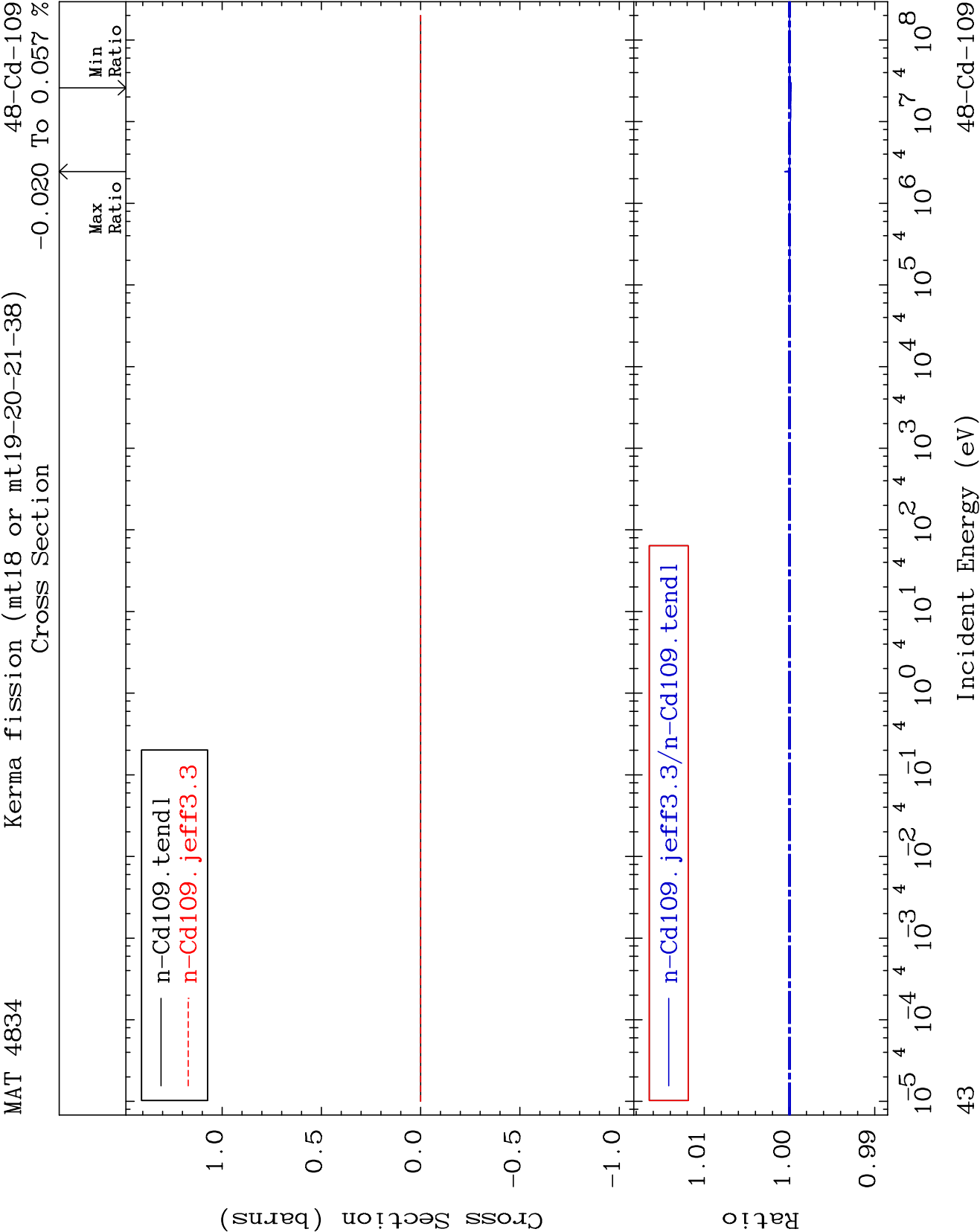
Kerma elastic  
Cross Section

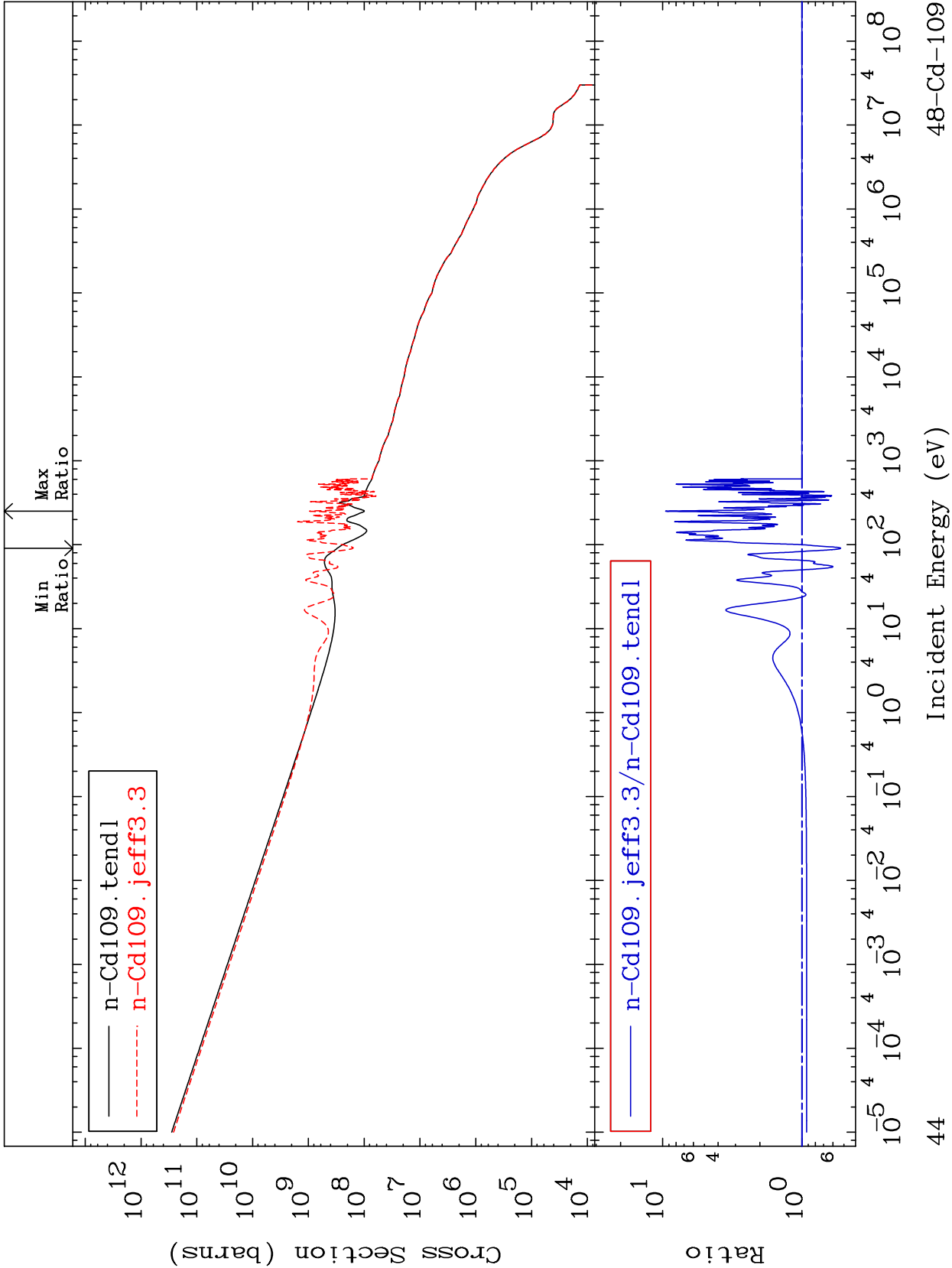
48-Cd-109  
-47.37 To 69.38 %

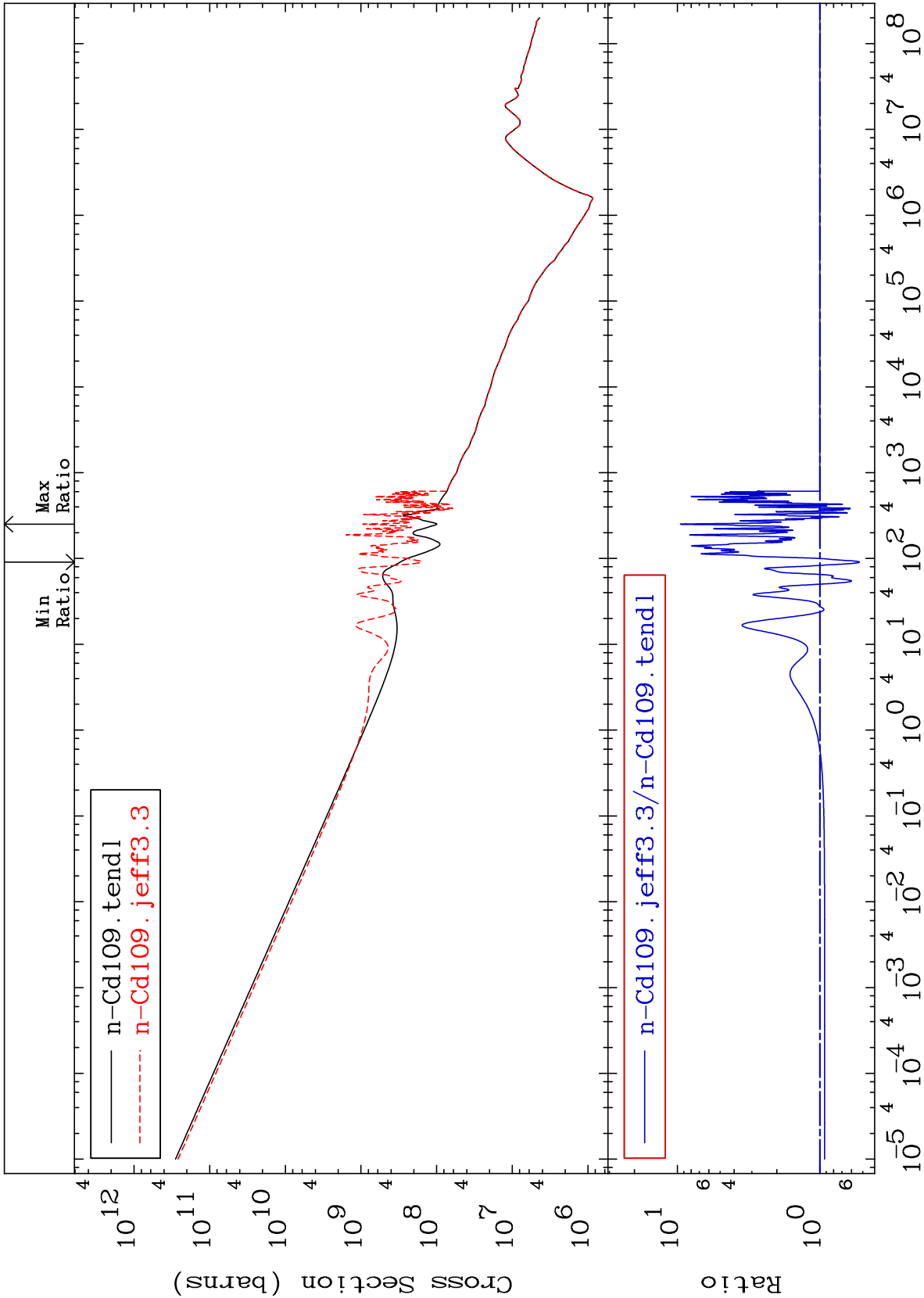


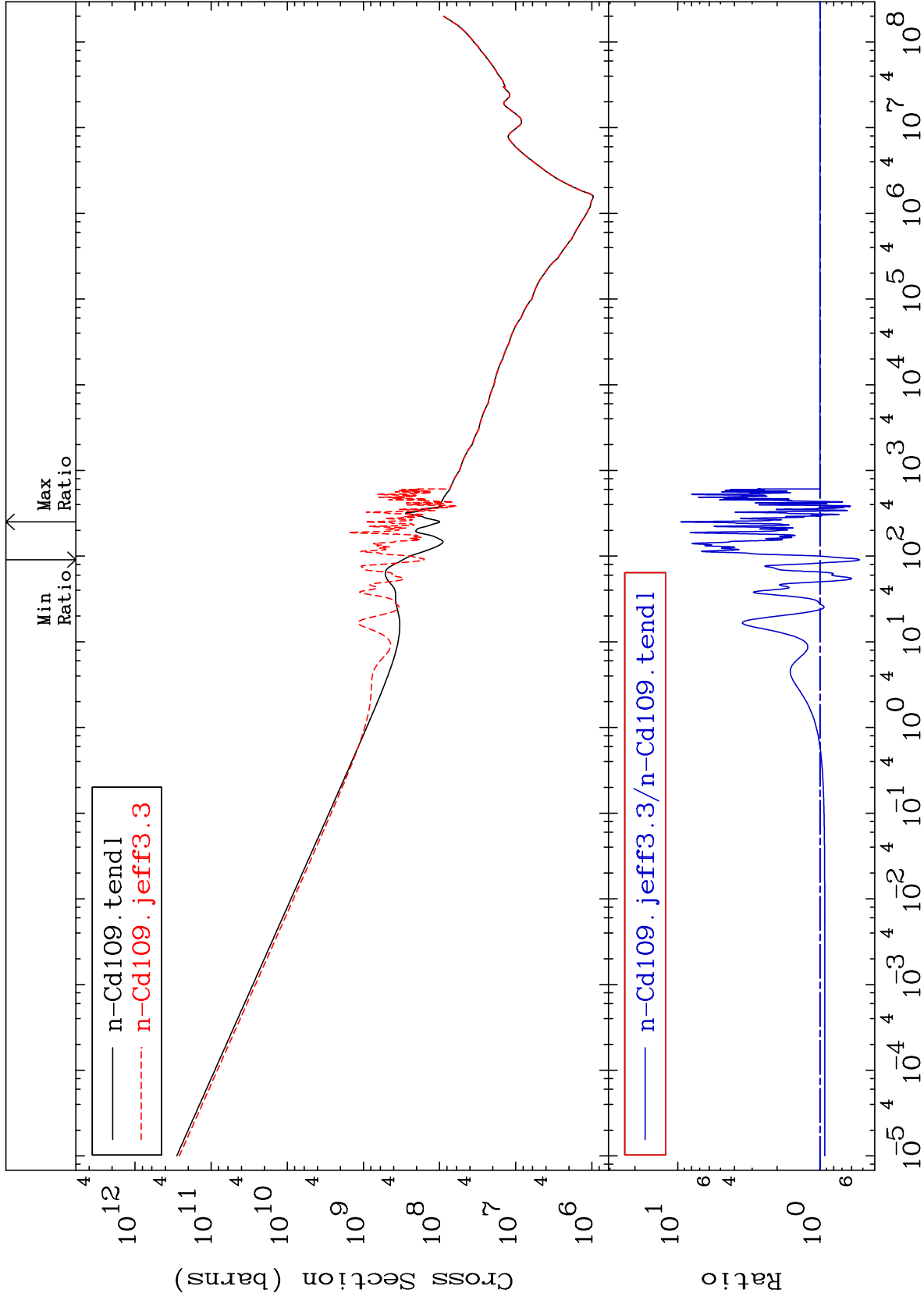












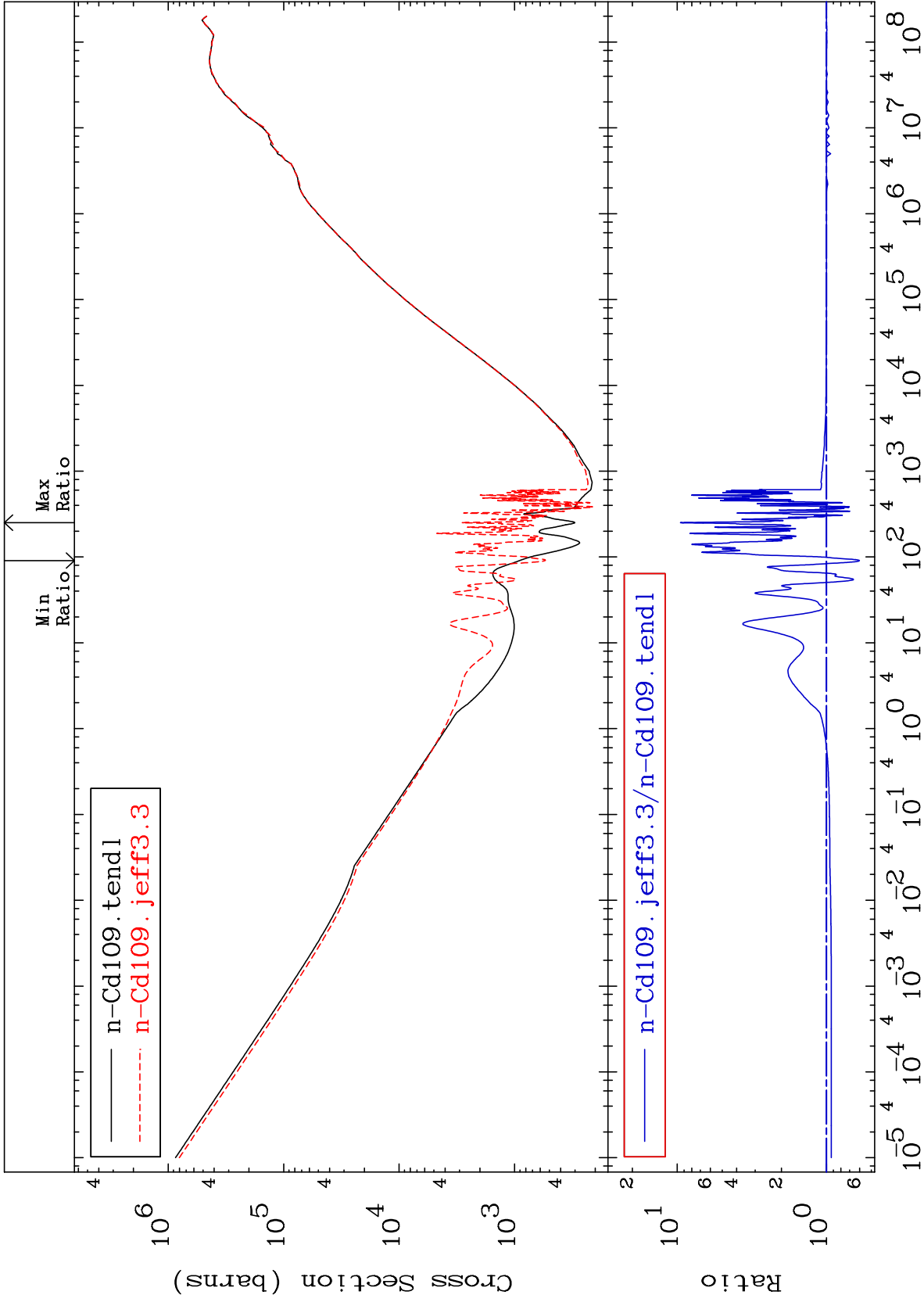
MAT 4834

Dpa total (eV-barns)

48-Cd-109

Cross Section

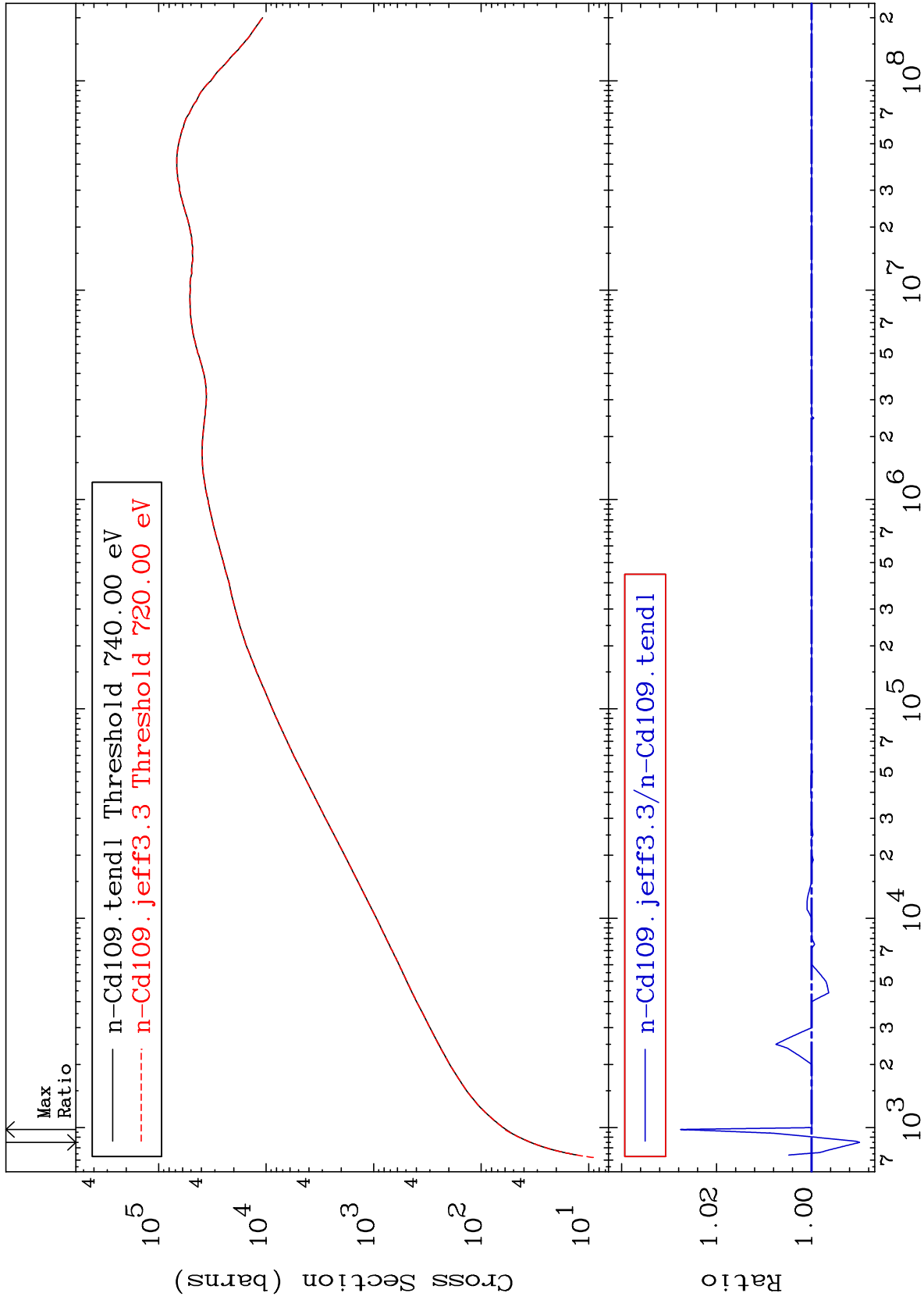
-39.88 To 853.2 %



47

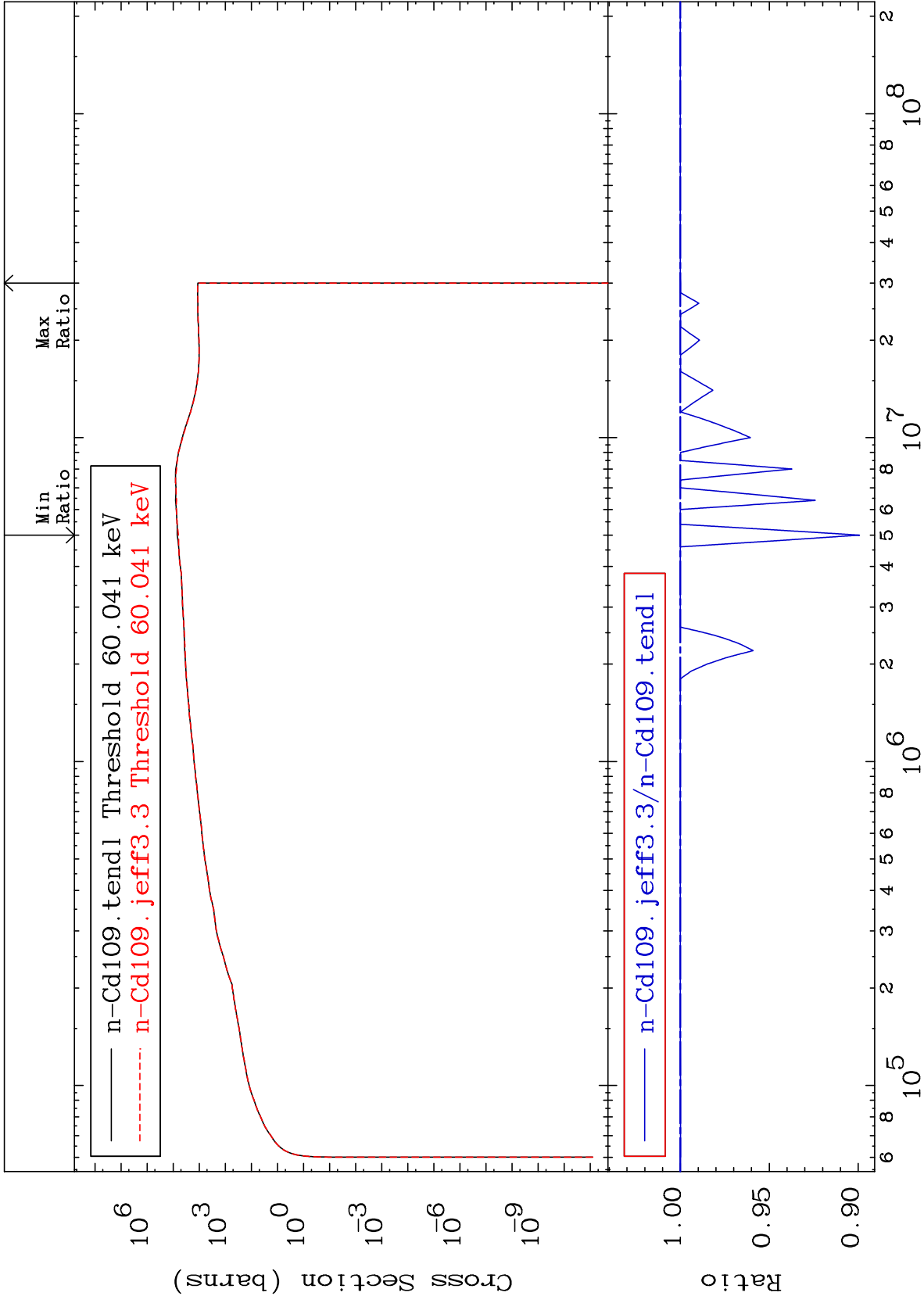
Incident Energy (eV)

48-Cd-109



Cross Section

-10.07 To 0.000 %



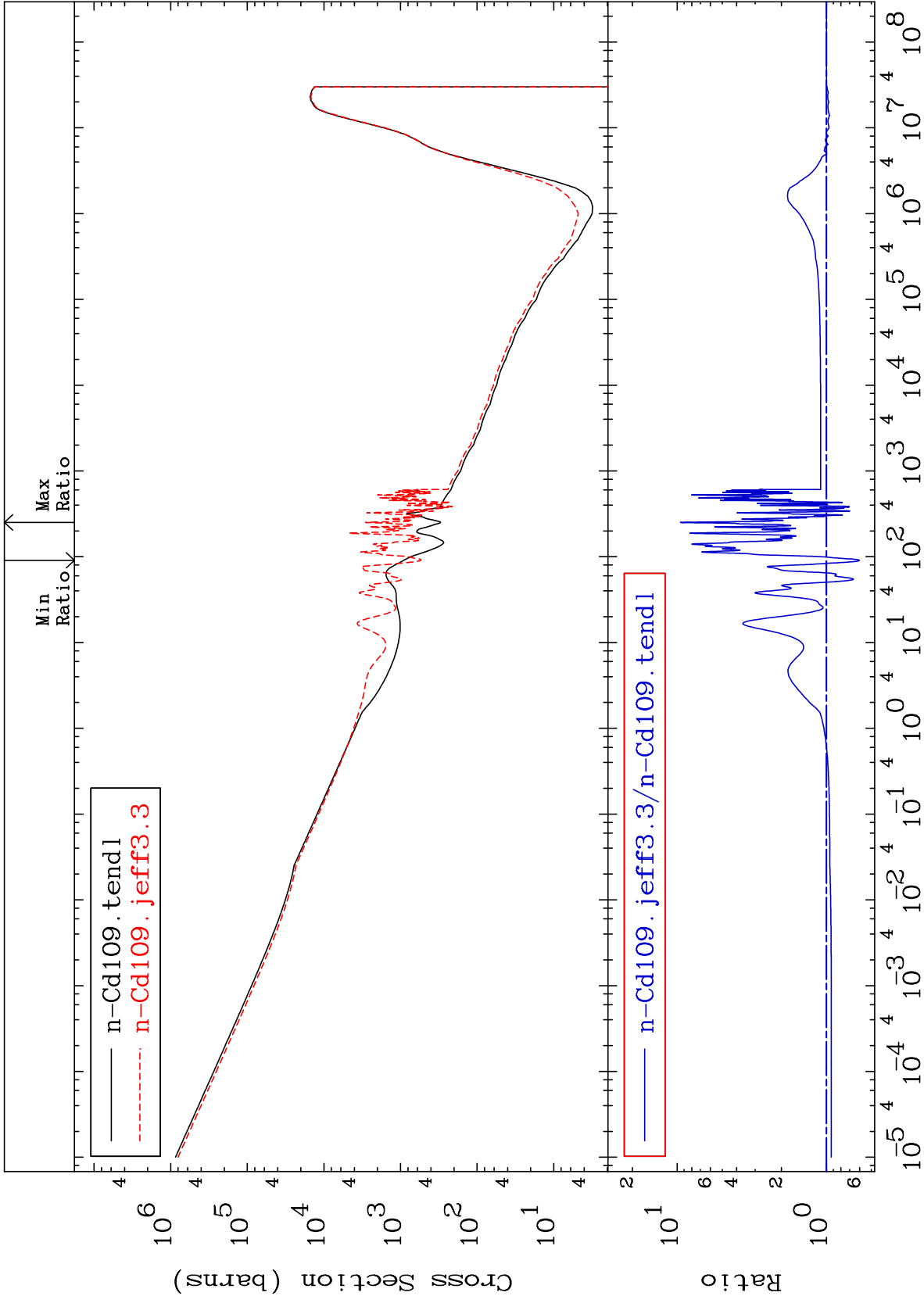
MAT 4834

Dpa disappearance (mt102 -120)

48-Cd-109

-39.88 To 853.2 %

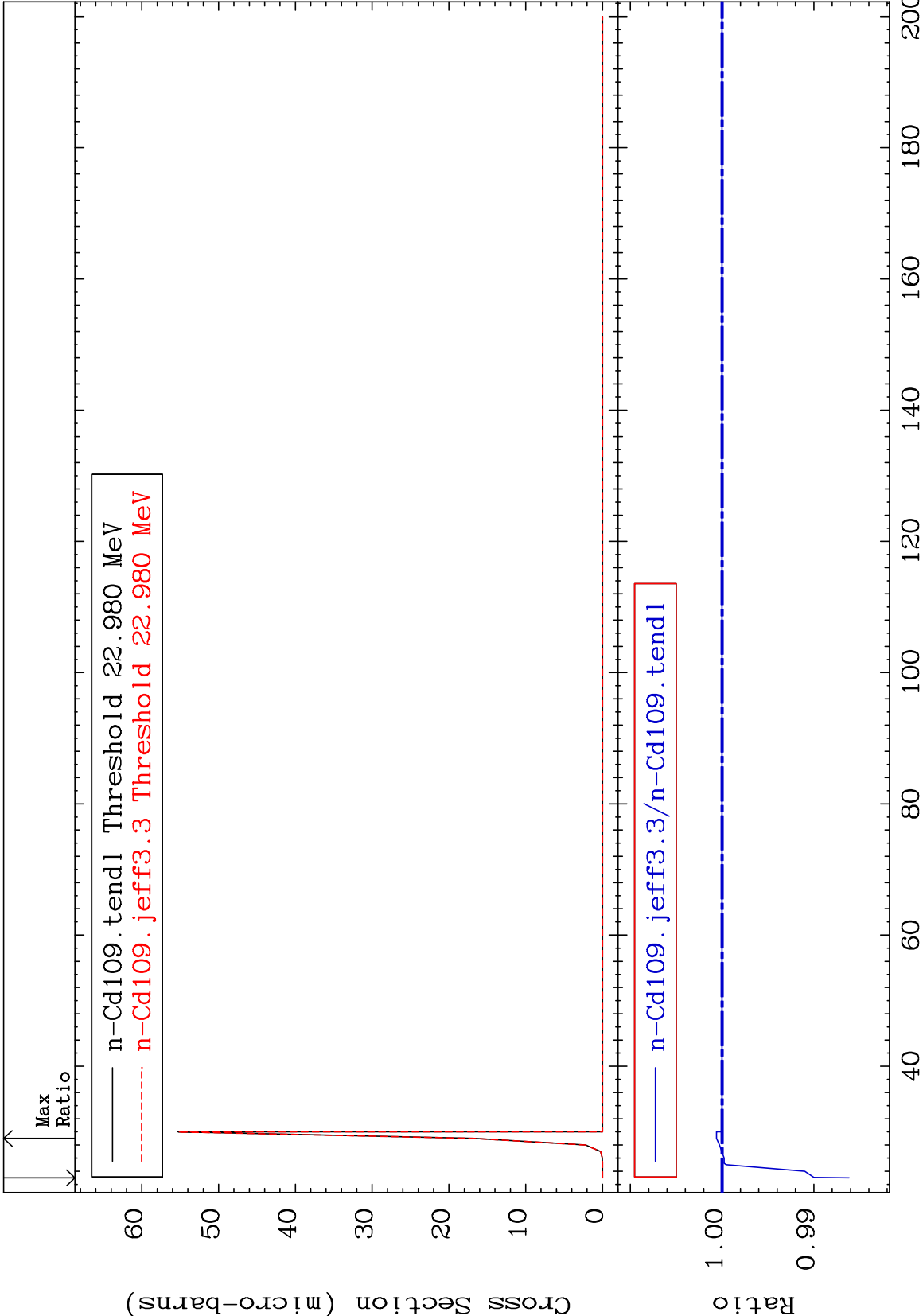
Cross Section



50

Incident Energy (eV)

48-Cd-109



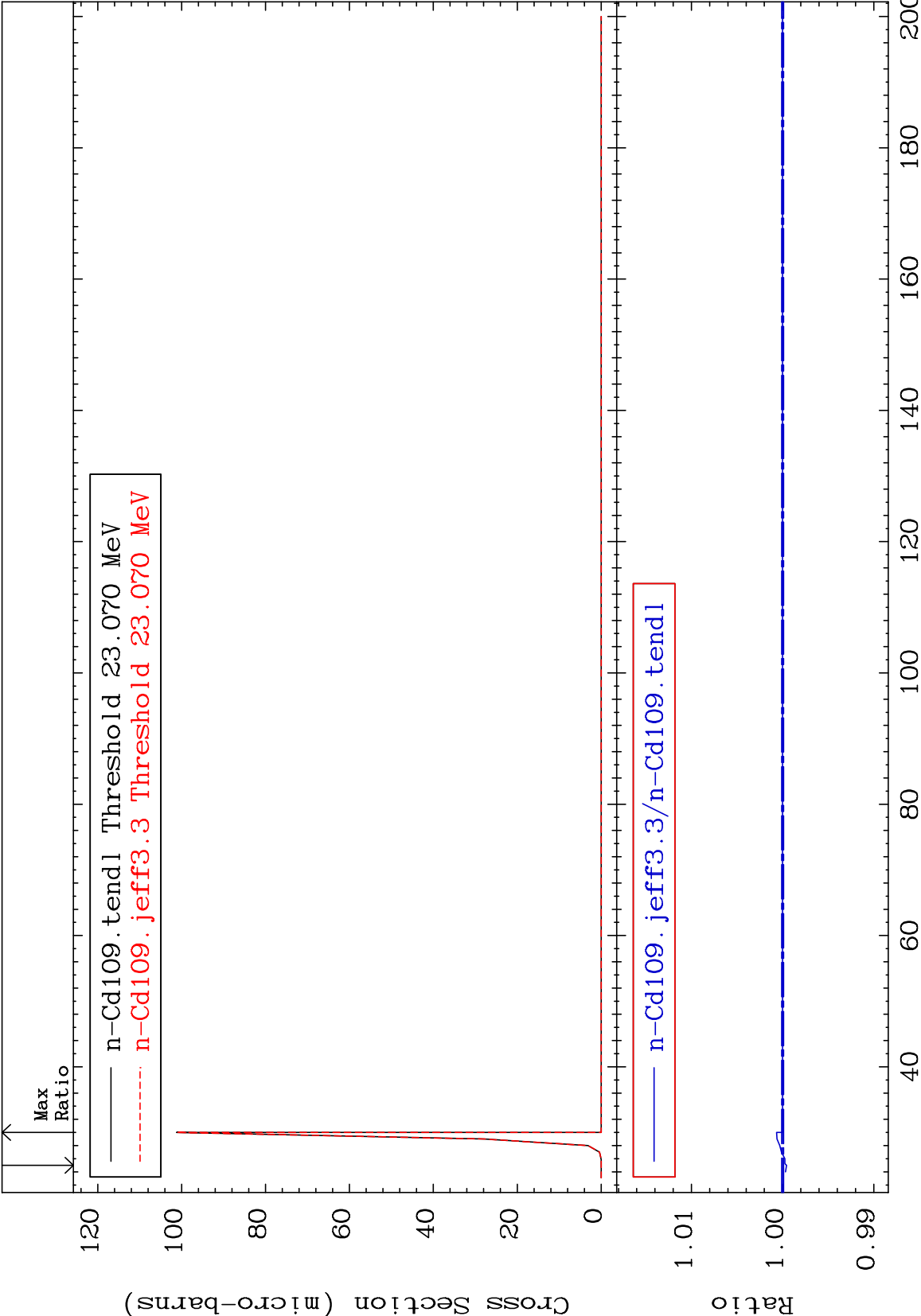
MAT 4834

(n,2n) d:47-Ag-106m1

48-Cd-109

Radionuclide Production Cross Section

-0.044 To 0.066 %



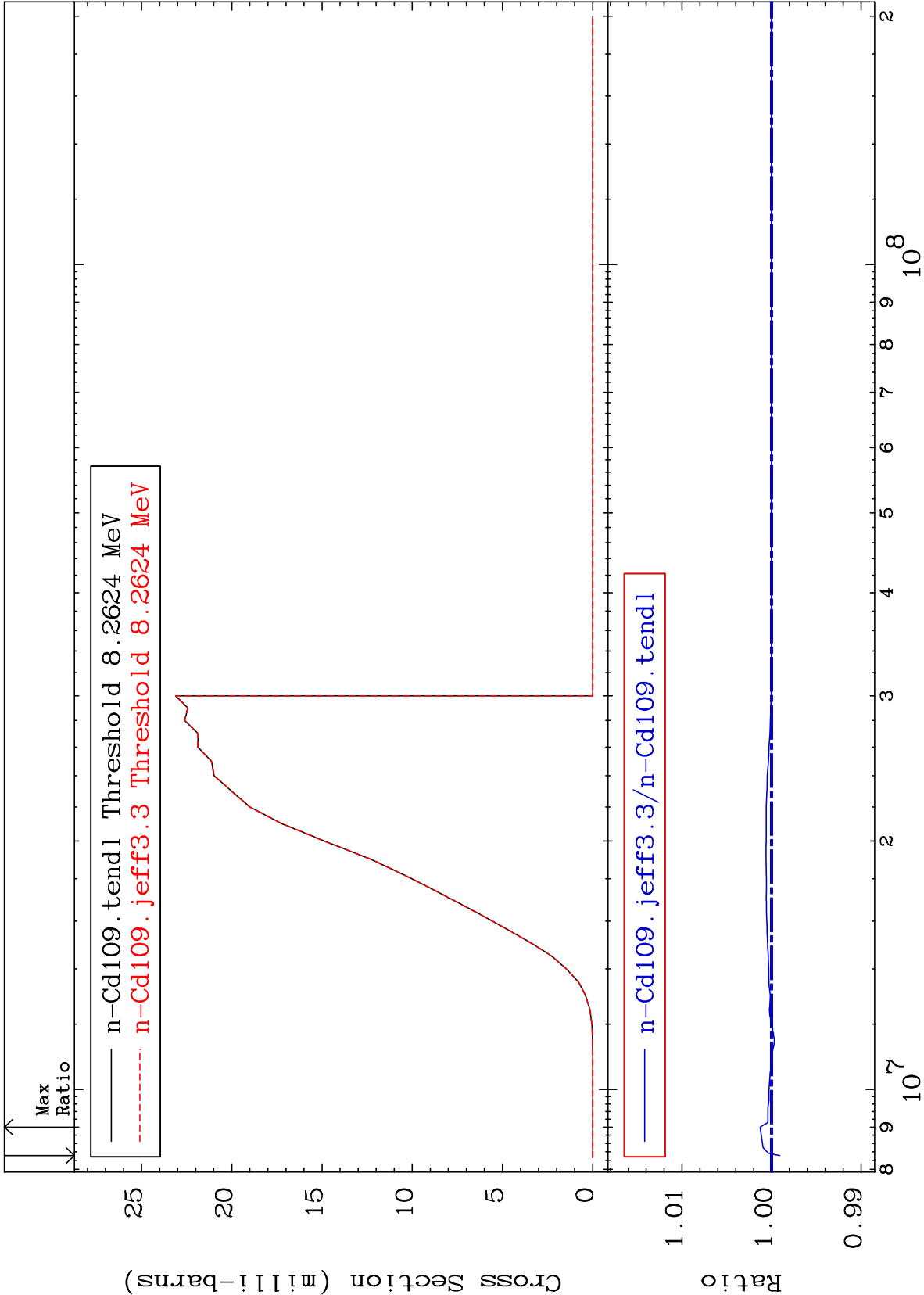
MAT 4834

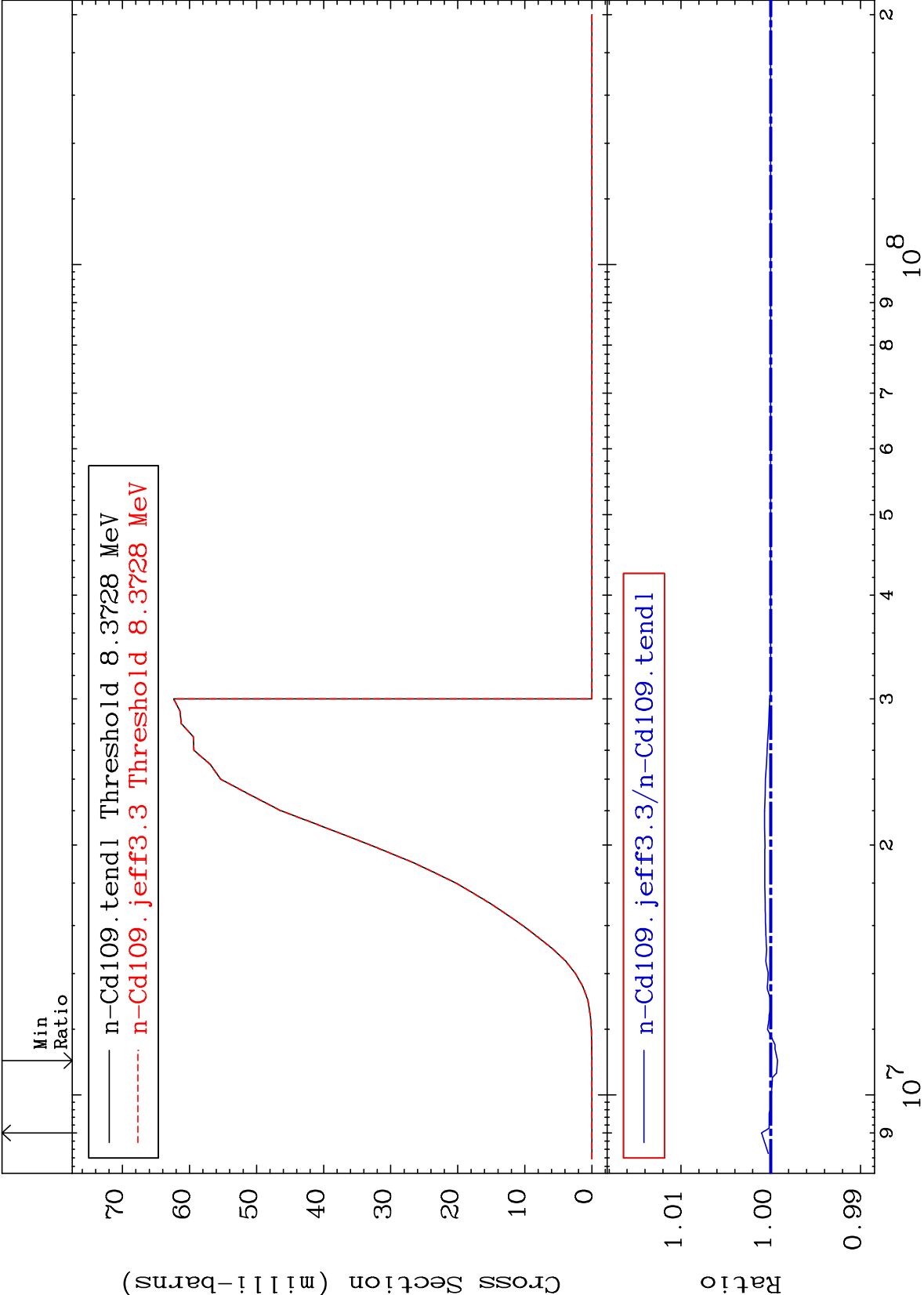
48-Cd-109

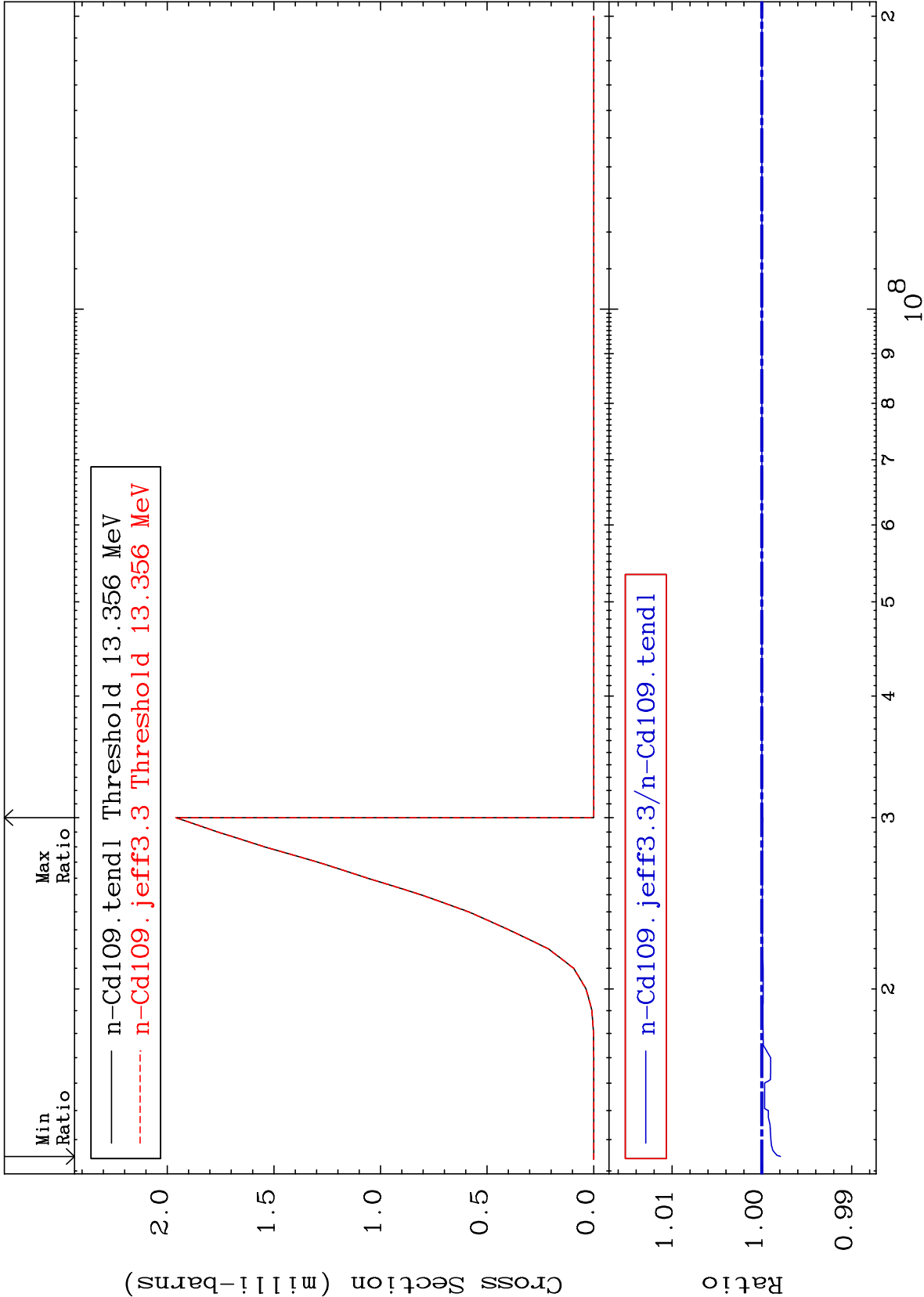
(n,n') p:47-Ag-108g

Radionuclide Production Cross Section

-0.091 To 0.128 %

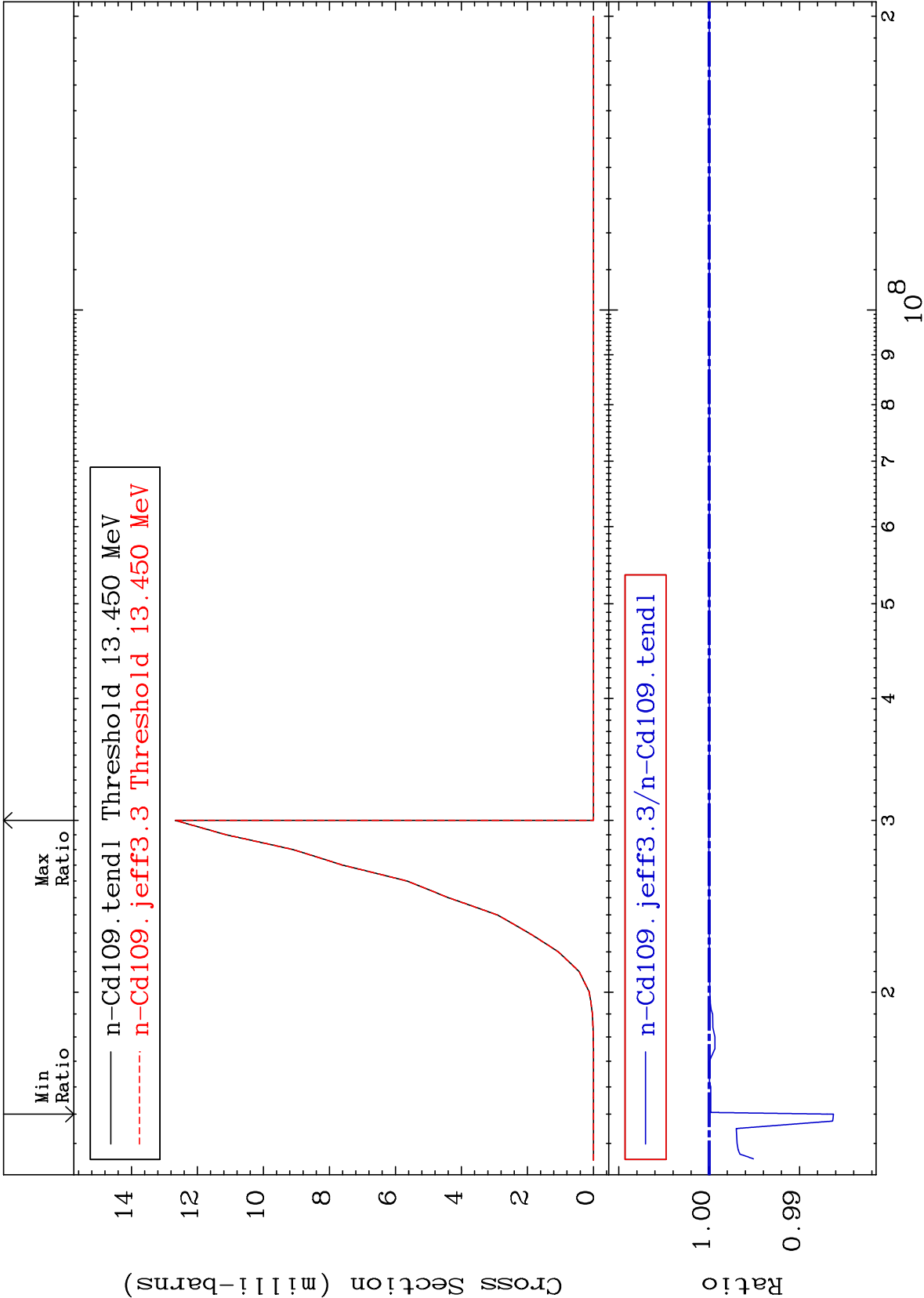


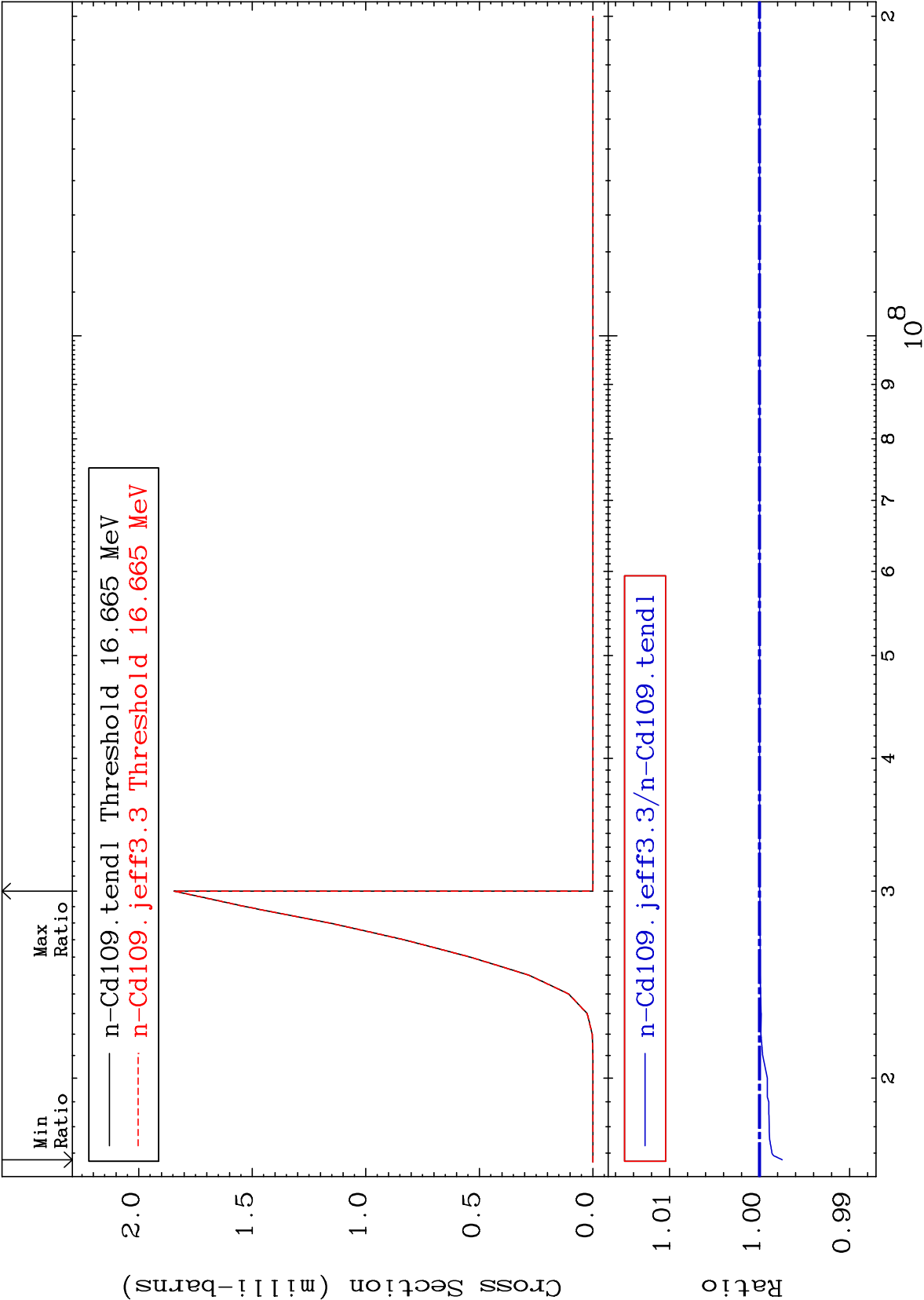


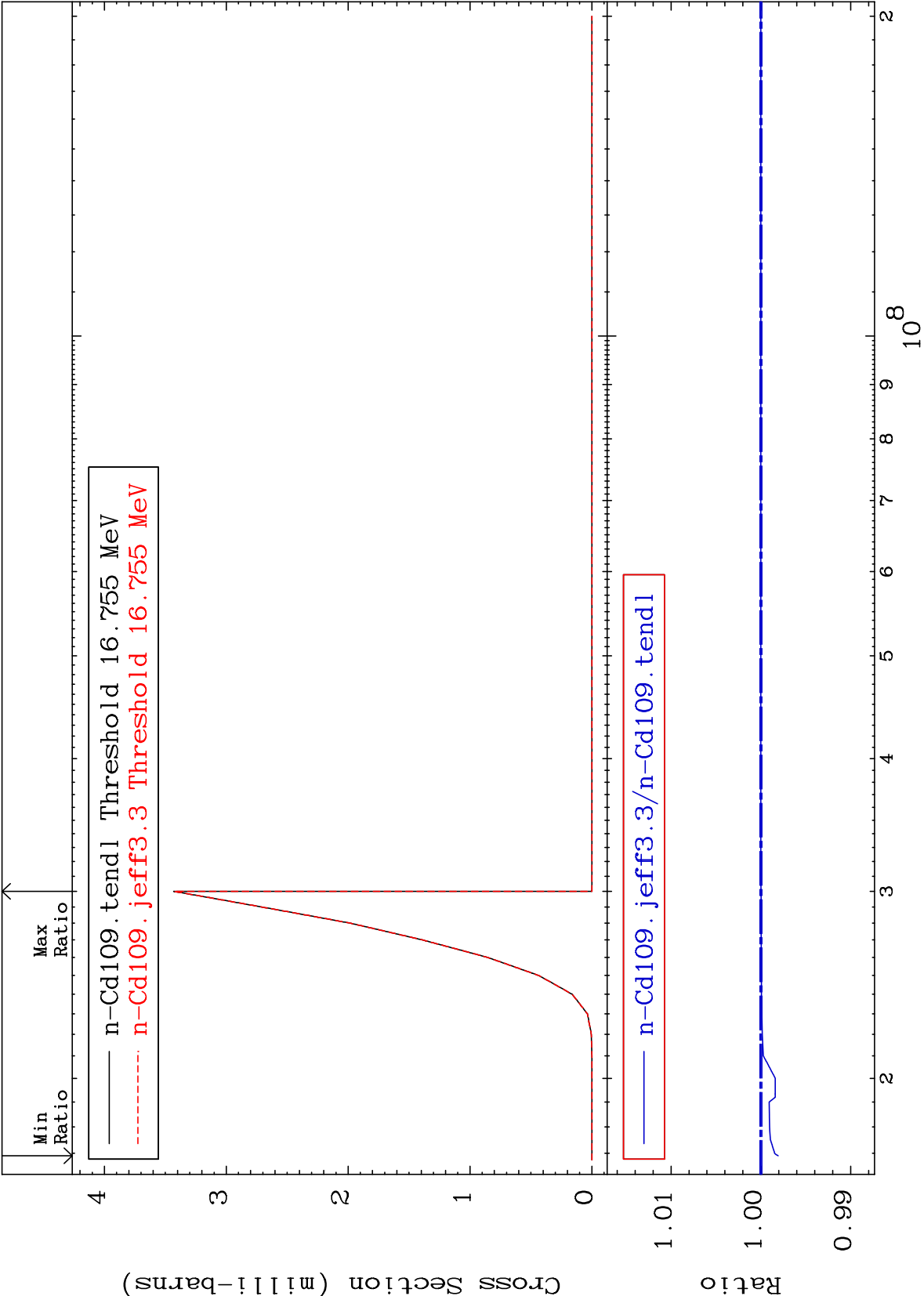


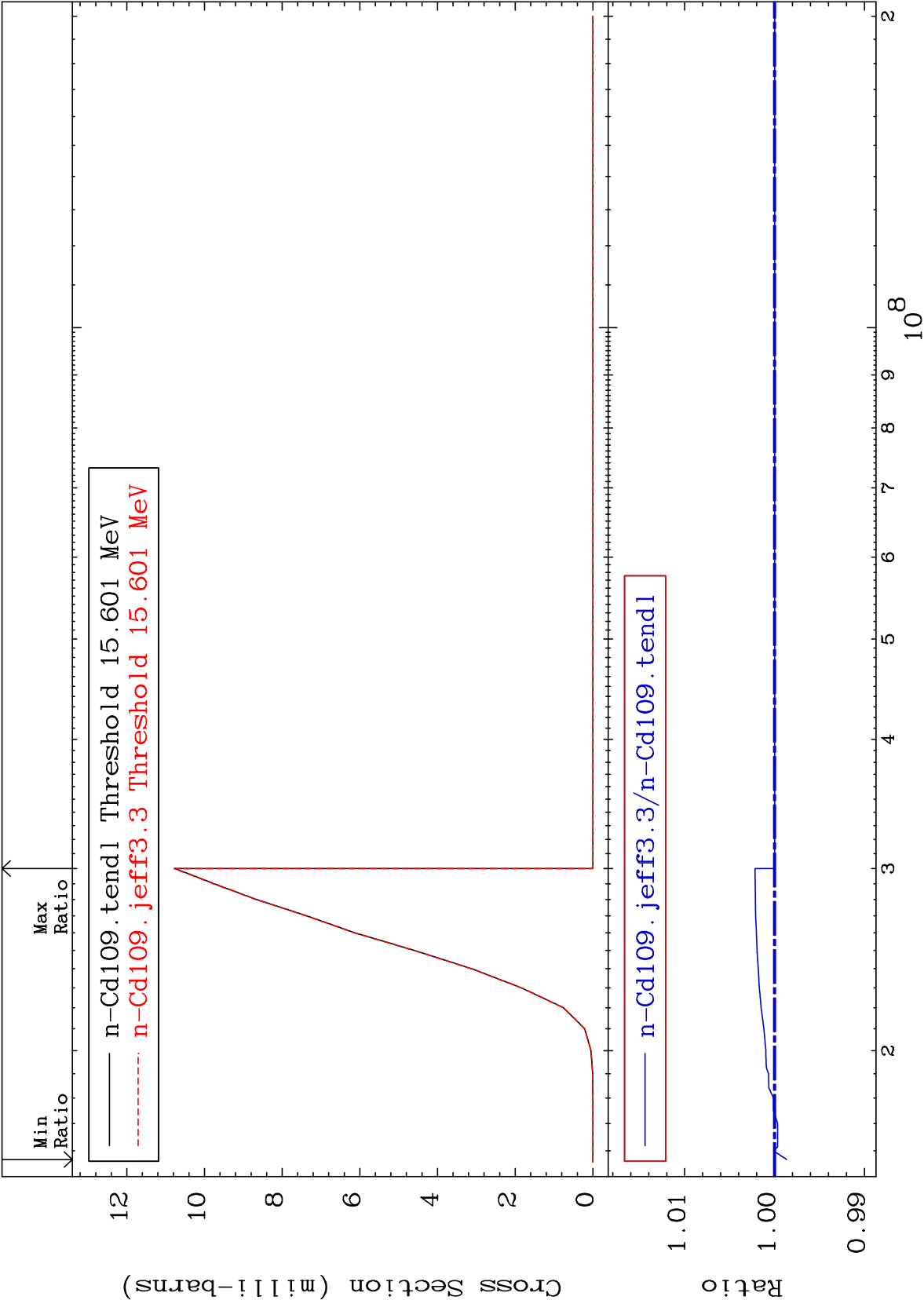
Radionuclide Production Cross Section

-1.374 To 0.005 %









MAT 4834

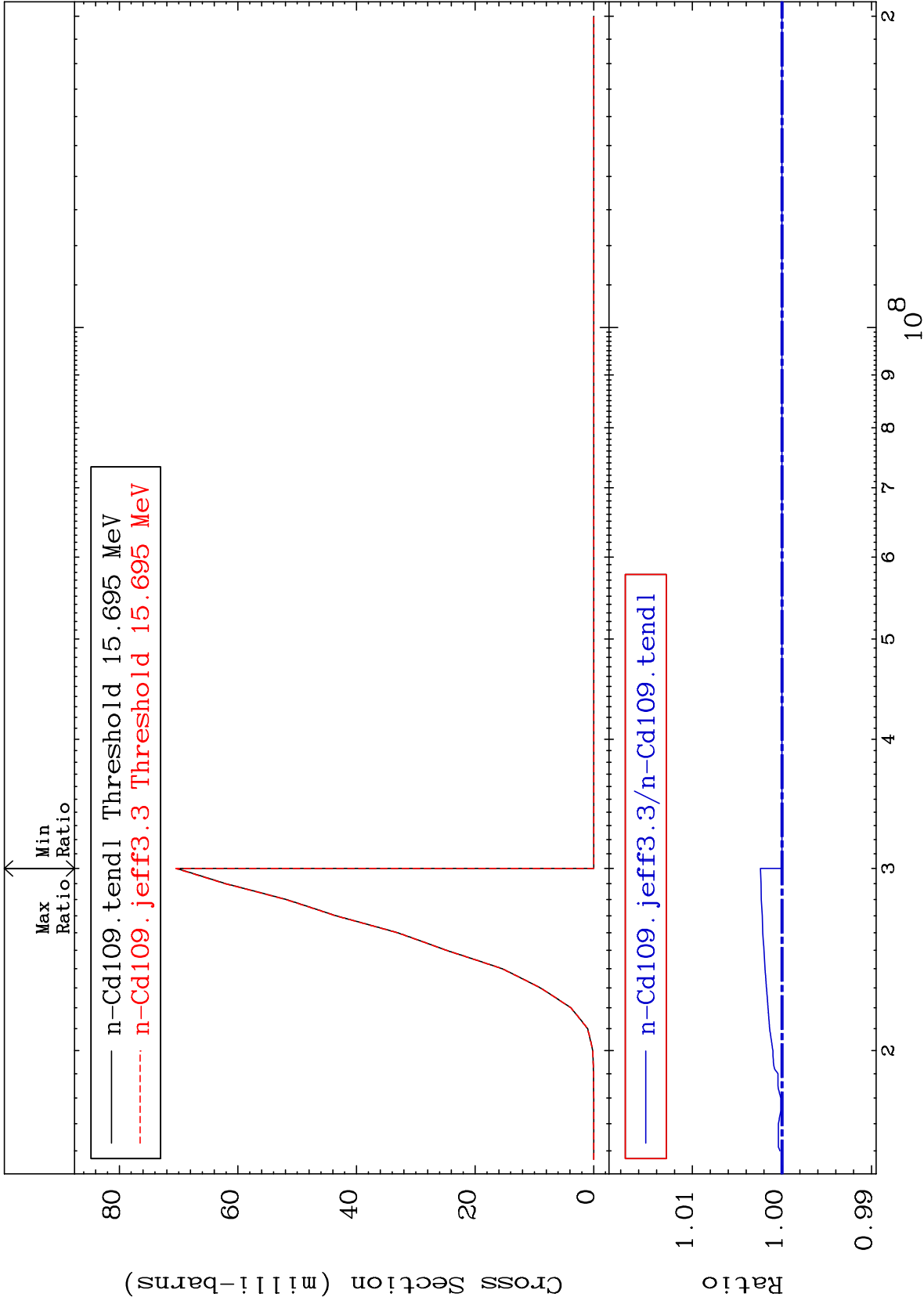
(n,2n) p:47-Ag-107m1

48-Cd-109

Radionuclide Production Cross Section

0.000

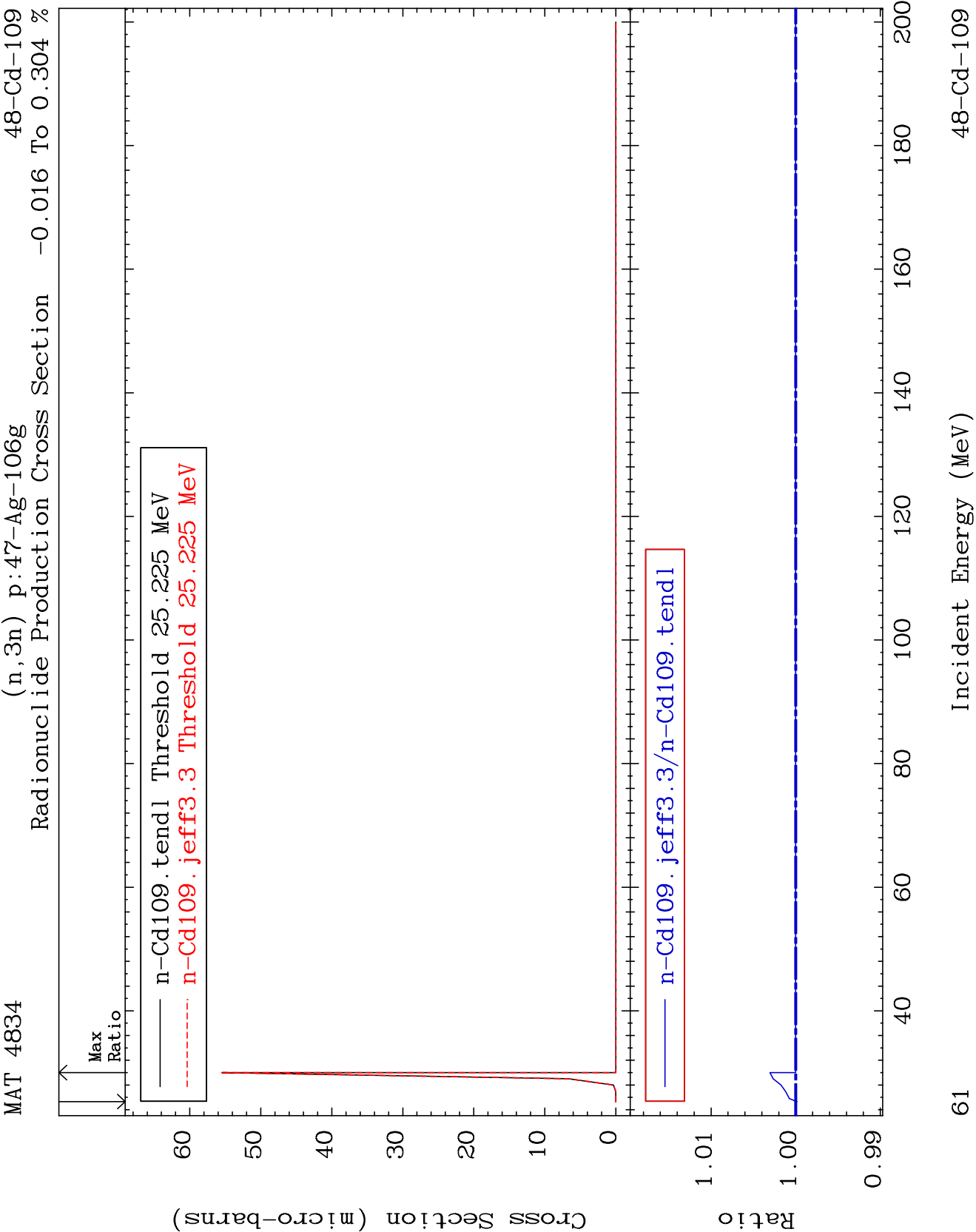
To 0.241 %



60

Incident Energy (eV)

48-Cd-109



MAT 4834

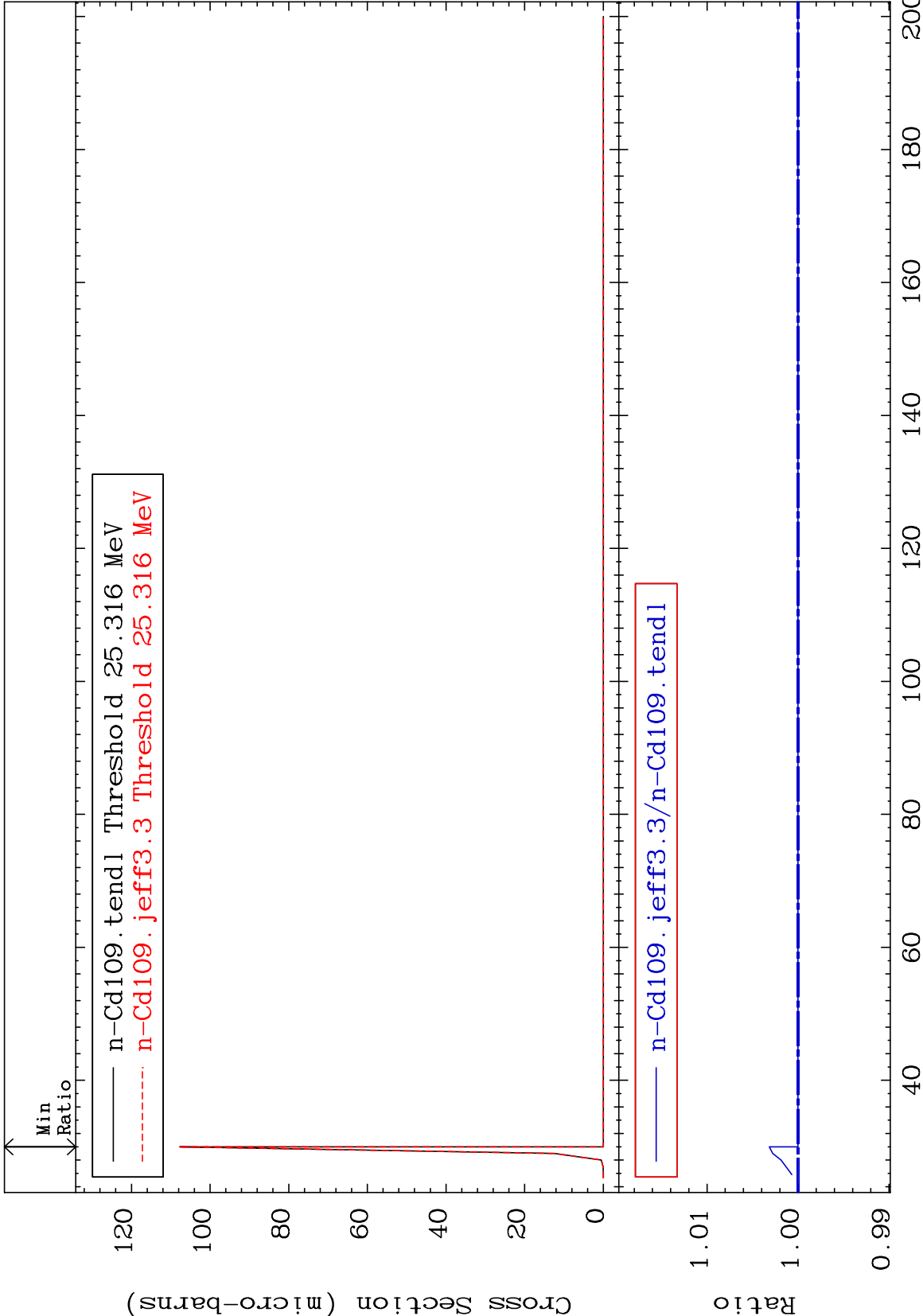
(n,3n) p:47-Ag-106m1

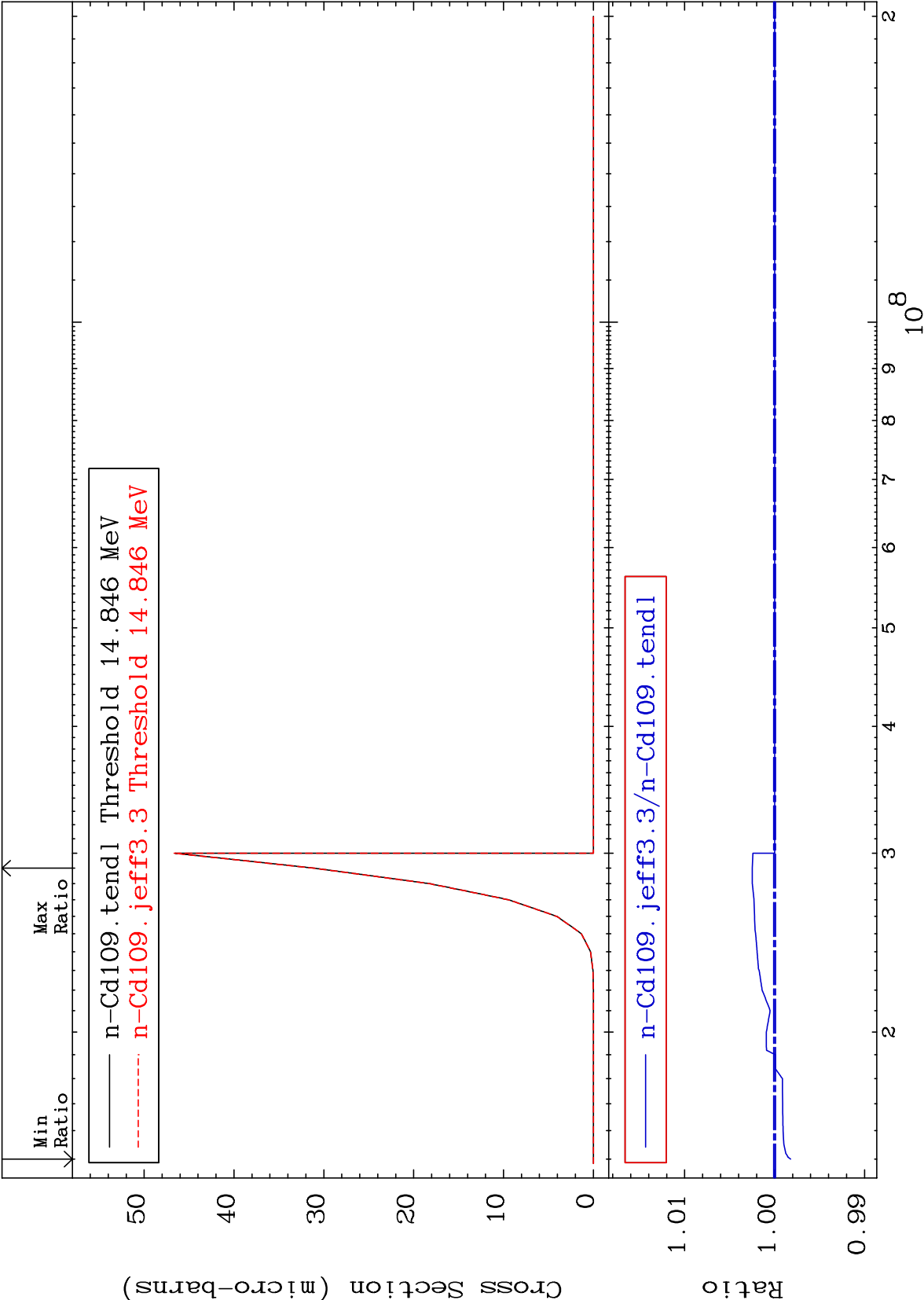
48-Cd-109

Radionuclide Production Cross Section

0.000

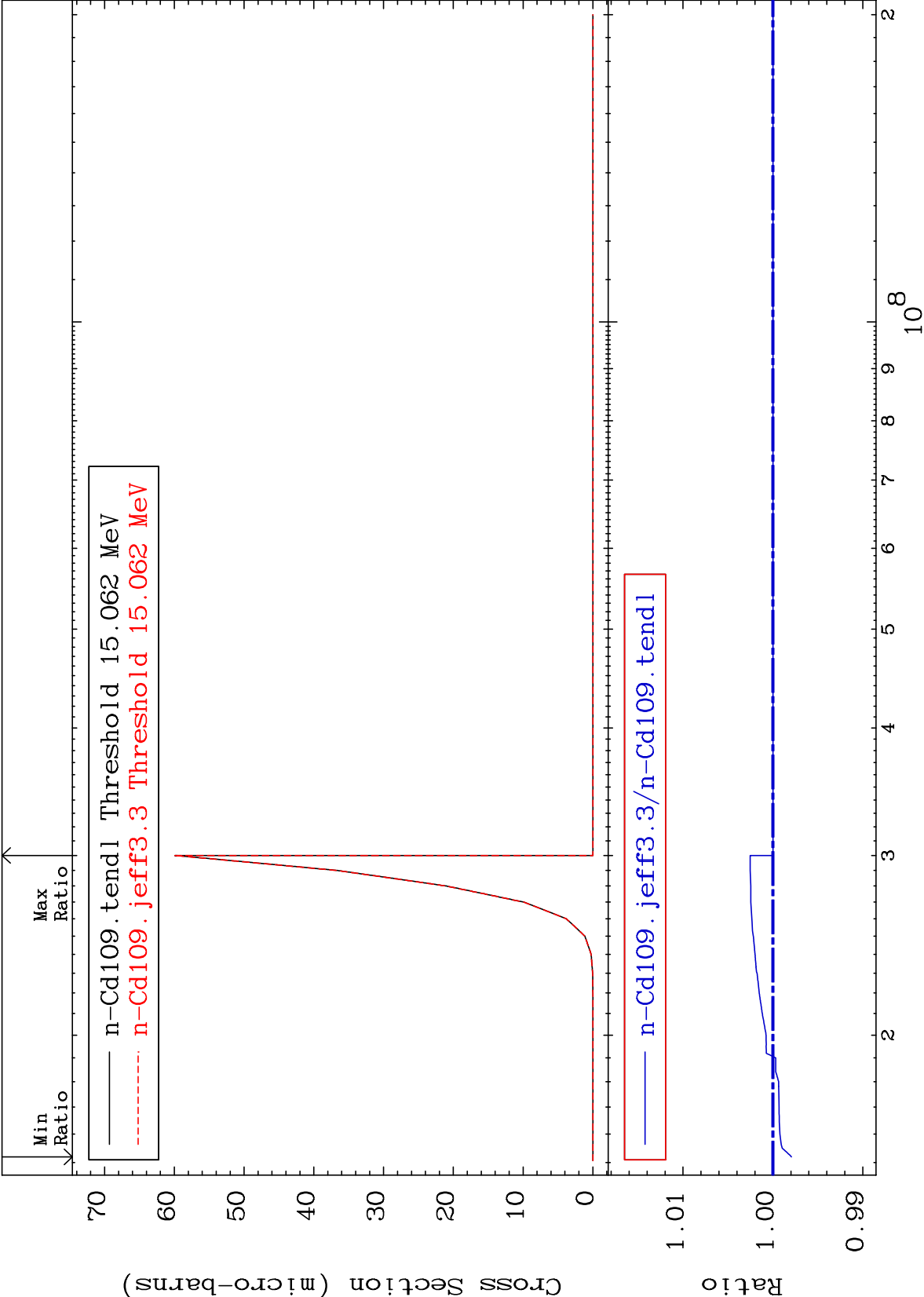
To 0.316 %

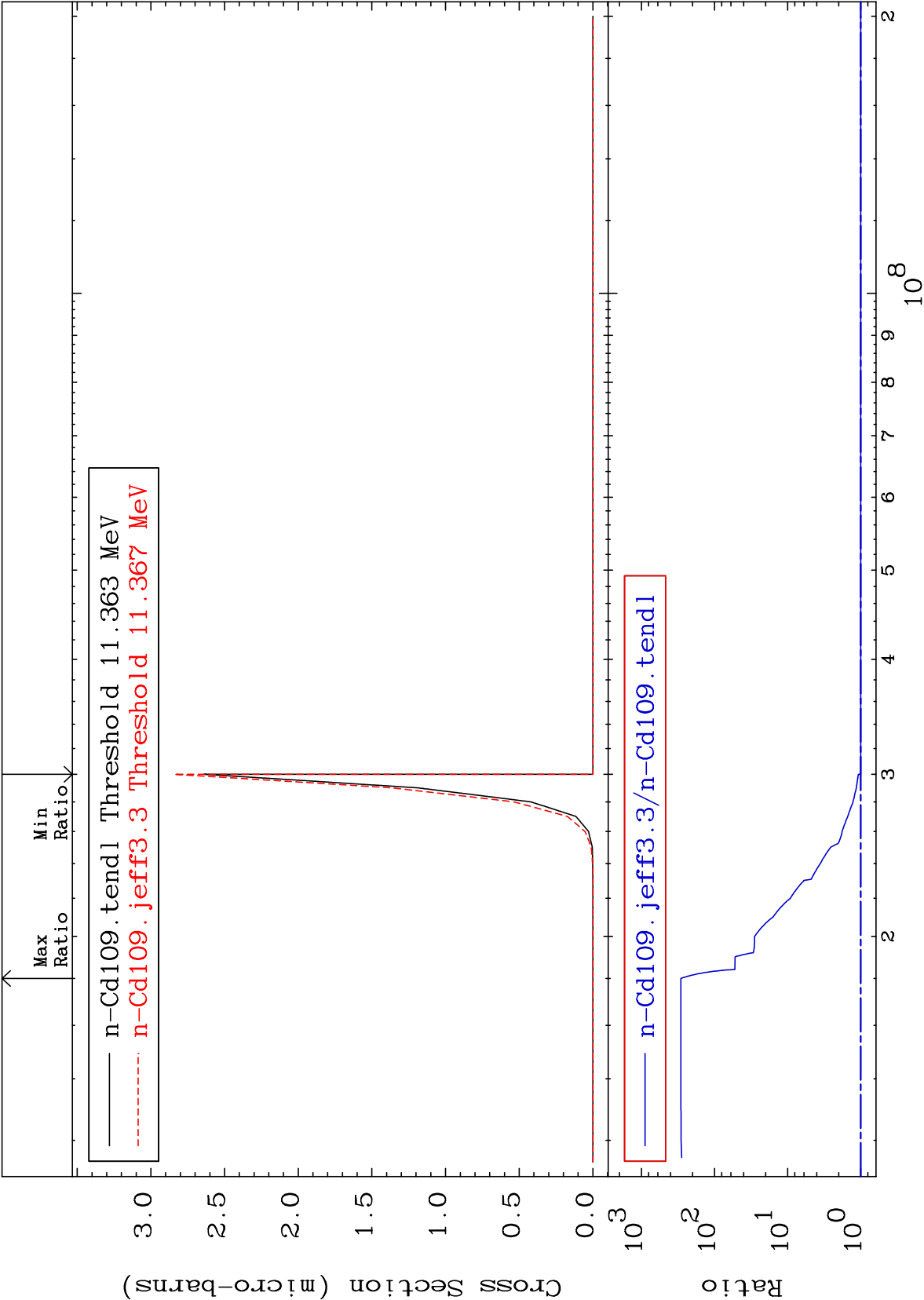


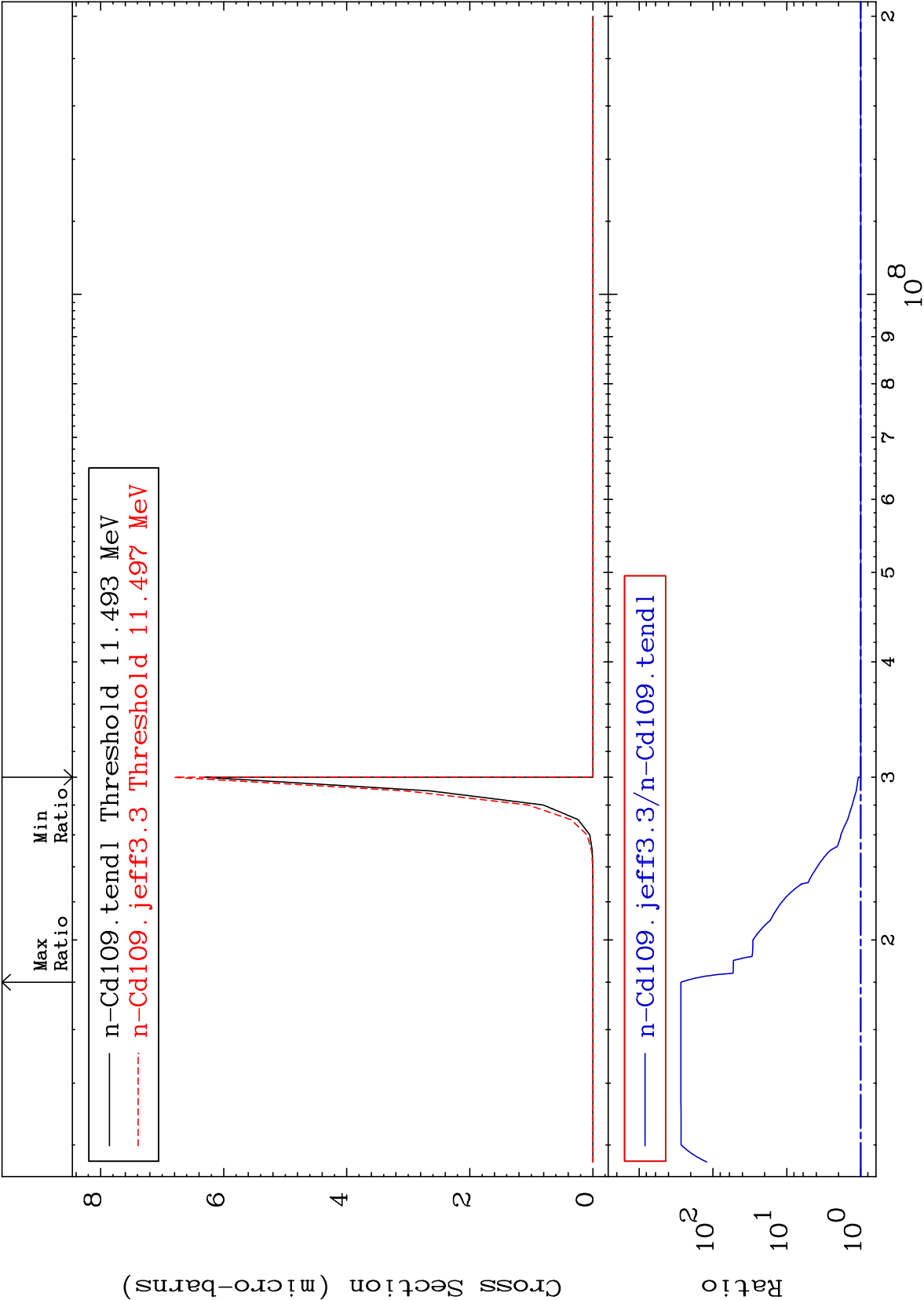


Radionuclide Production Cross Section

-0.207 To 0.254 %





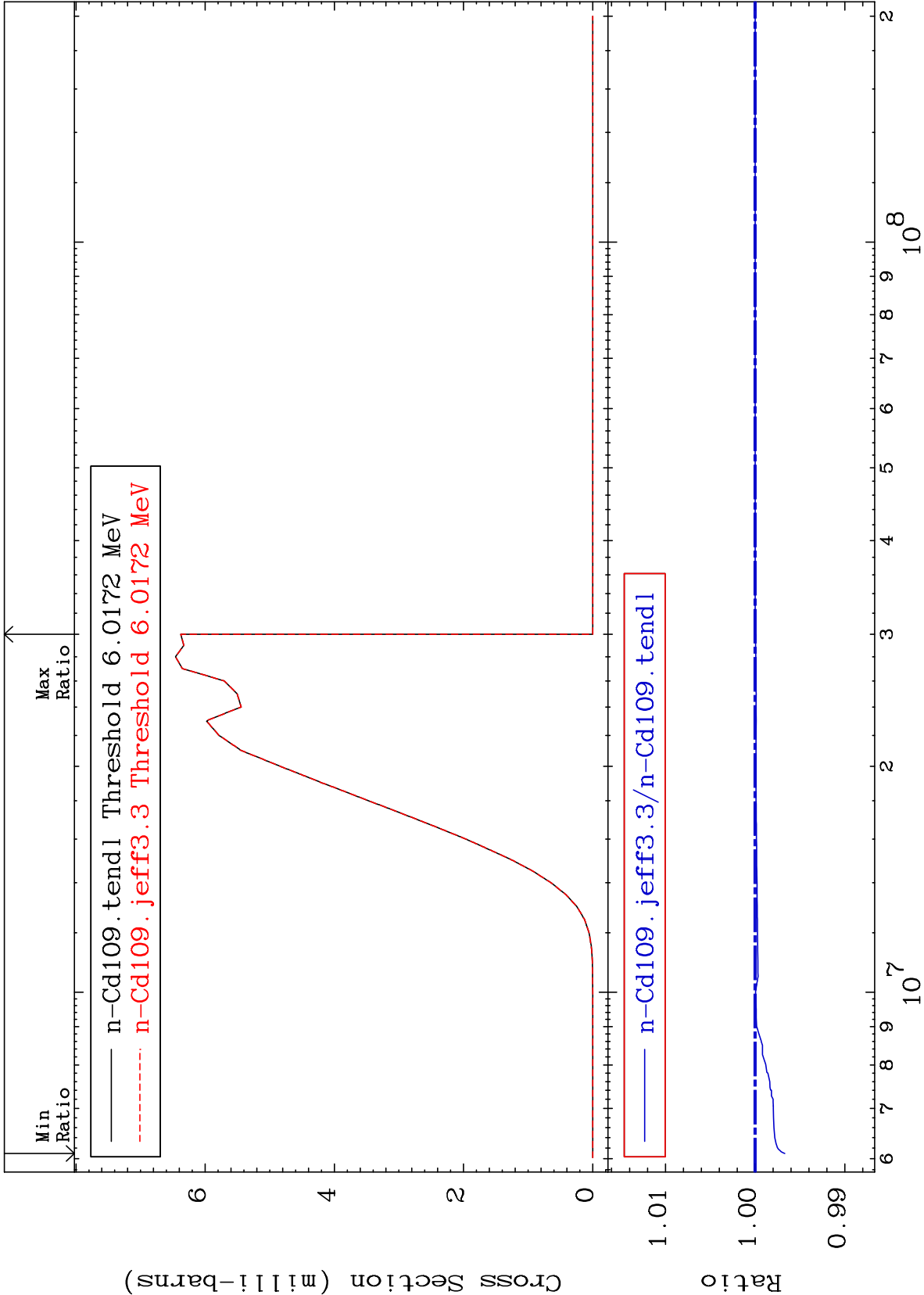


MAT 4834

(n,d):47-Ag-108g

48-Cd-109

Radionuclide Production Cross Section    -0.330 To 0.000 %



67

Incident Energy (eV)

48-Cd-109

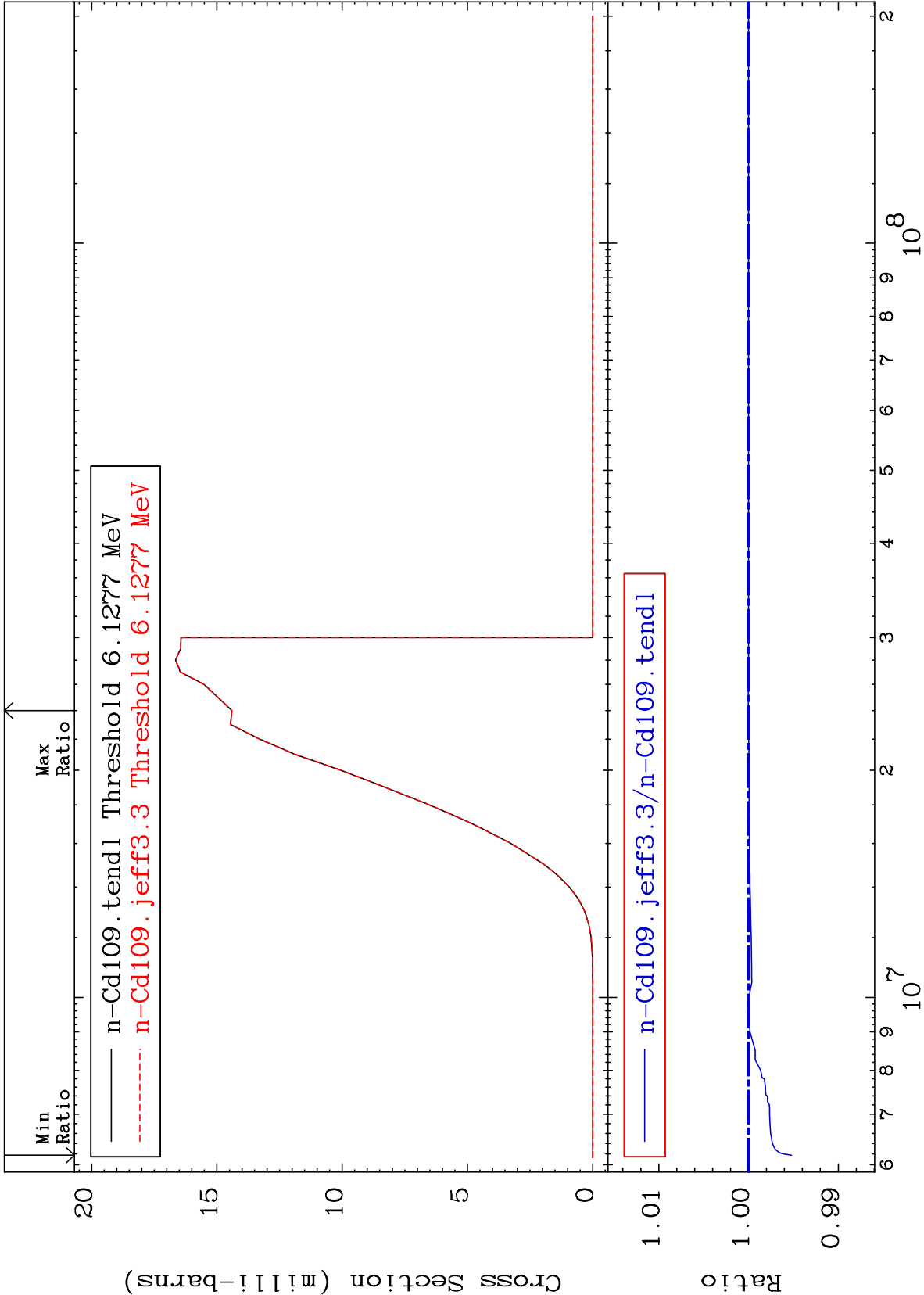
MAT 4834

(n,d):47-Ag-108m2

48-Cd-109

Radionuclide Production Cross Section

-0.479 To 0.002 %



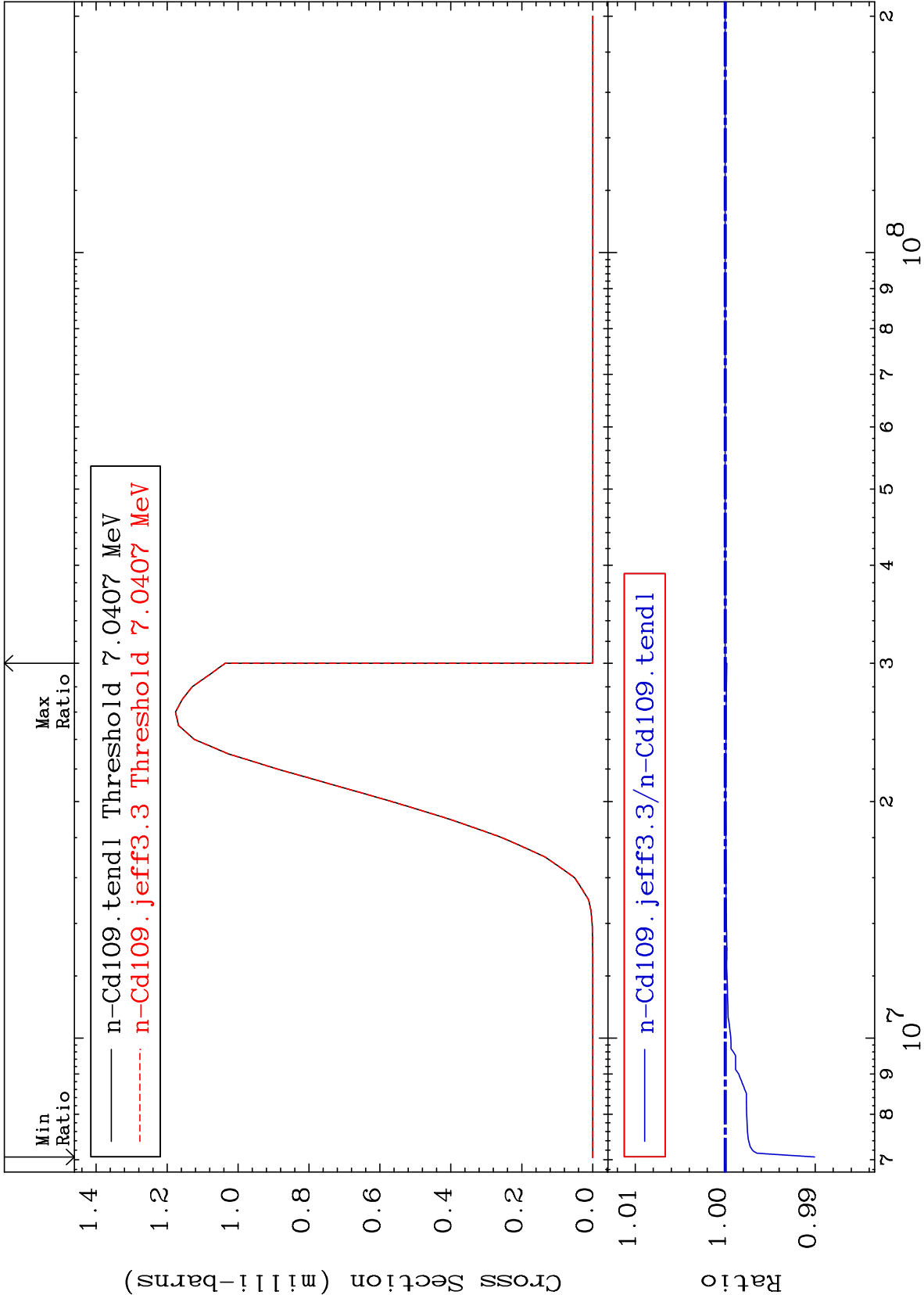
MAT 4834

(n,t):47-Ag-107g

48-Cd-109

Radionuclide Production Cross Section

-0.993 To 0.000 %



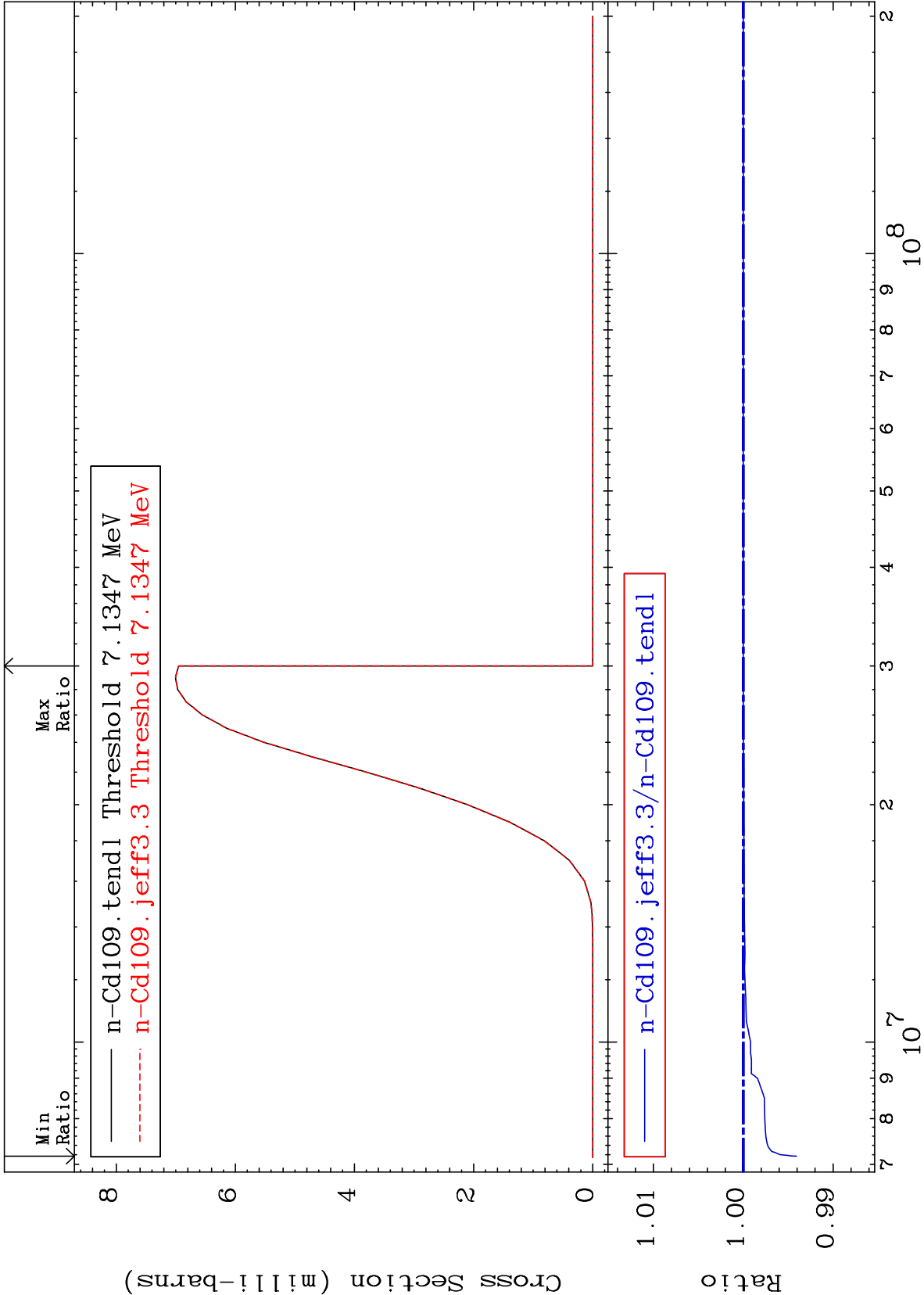
MAT 4834

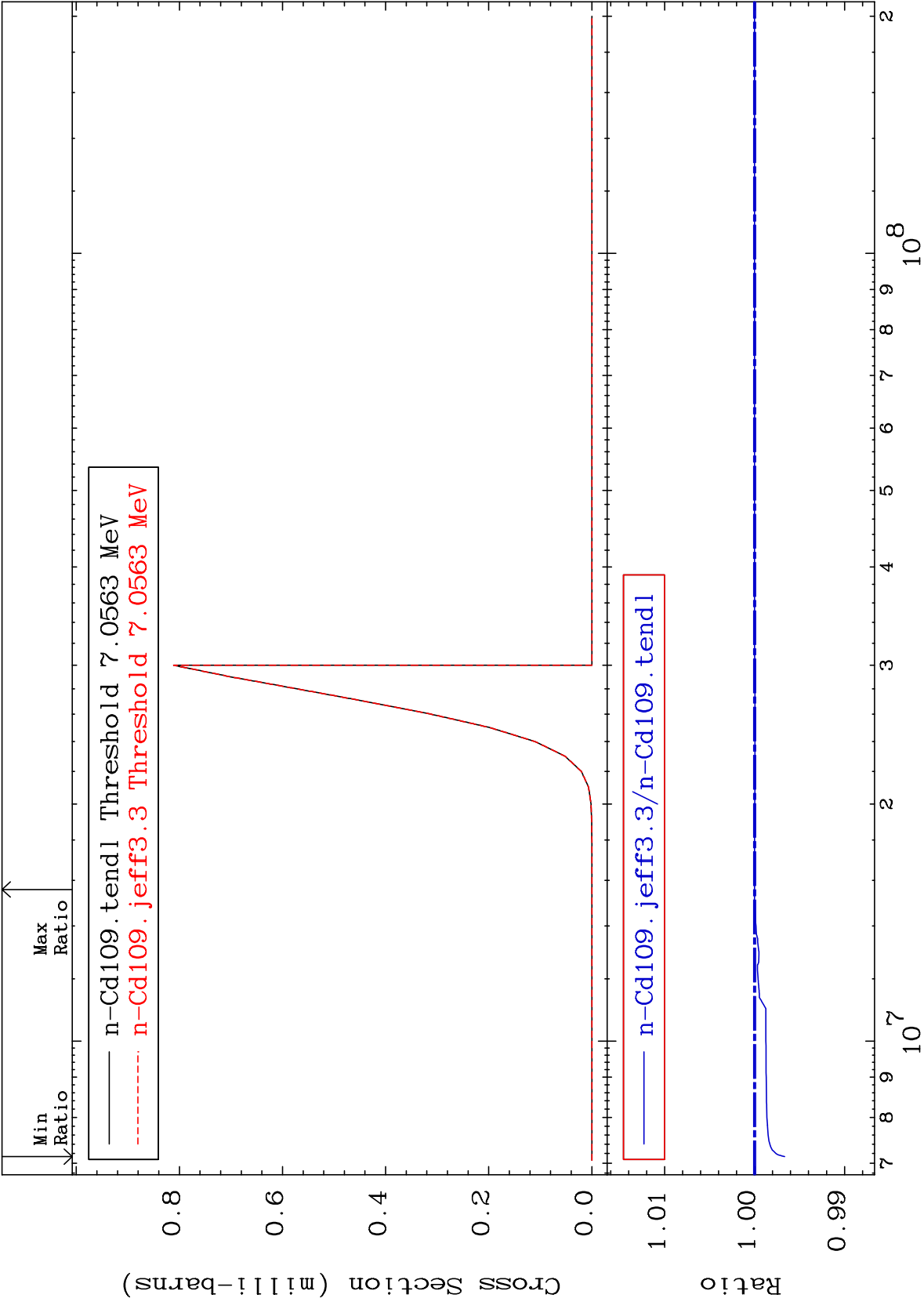
(n,t):47-Ag-107m1

48-Cd-109

Radionuclide Production Cross Section

-0.593 To 0.000 %





MAT 4834

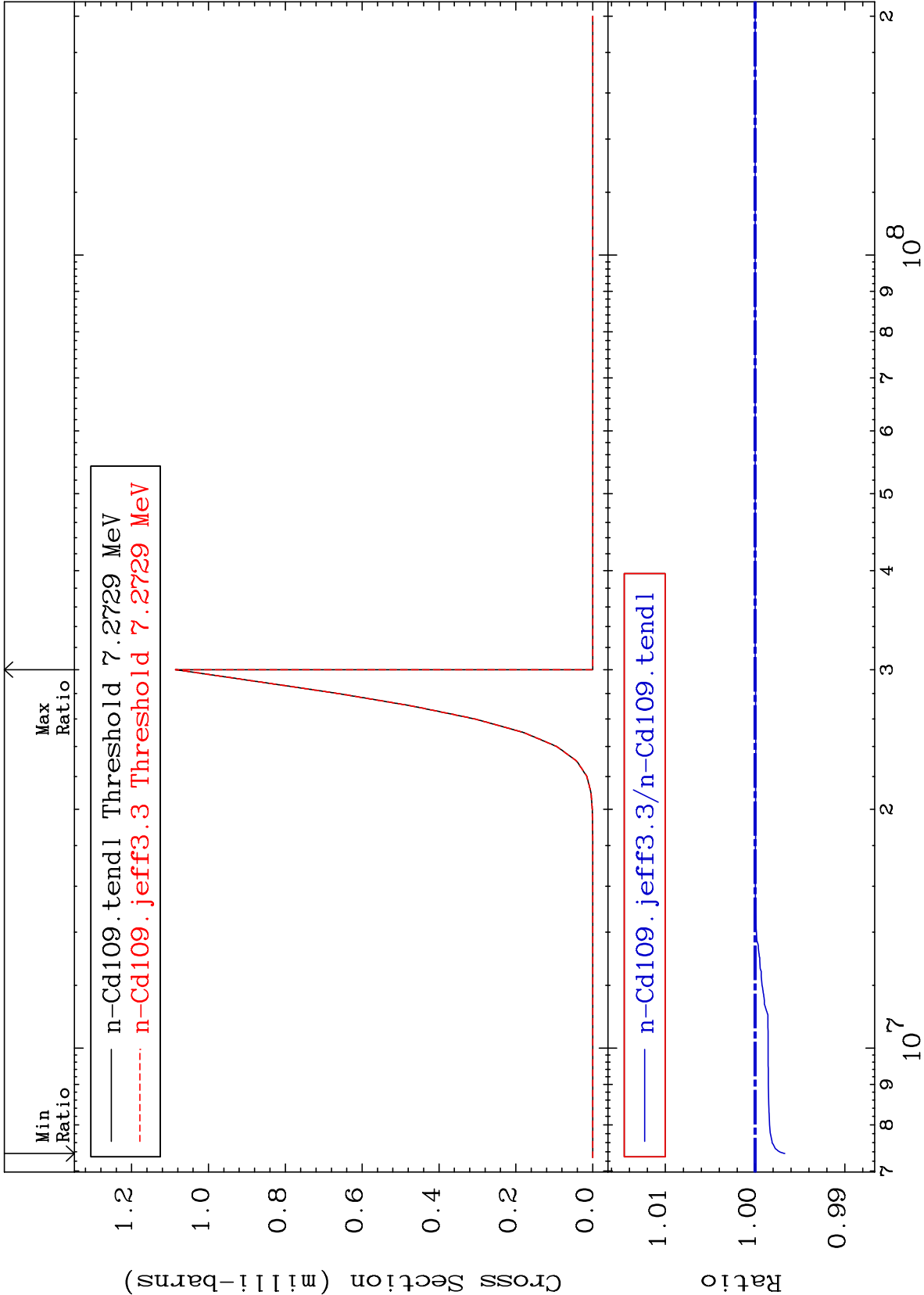
(n,He-3): 46-Pd-107m2

48-Cd-109

Radionuclide Production Cross Section

-0.330

To 0.000 %



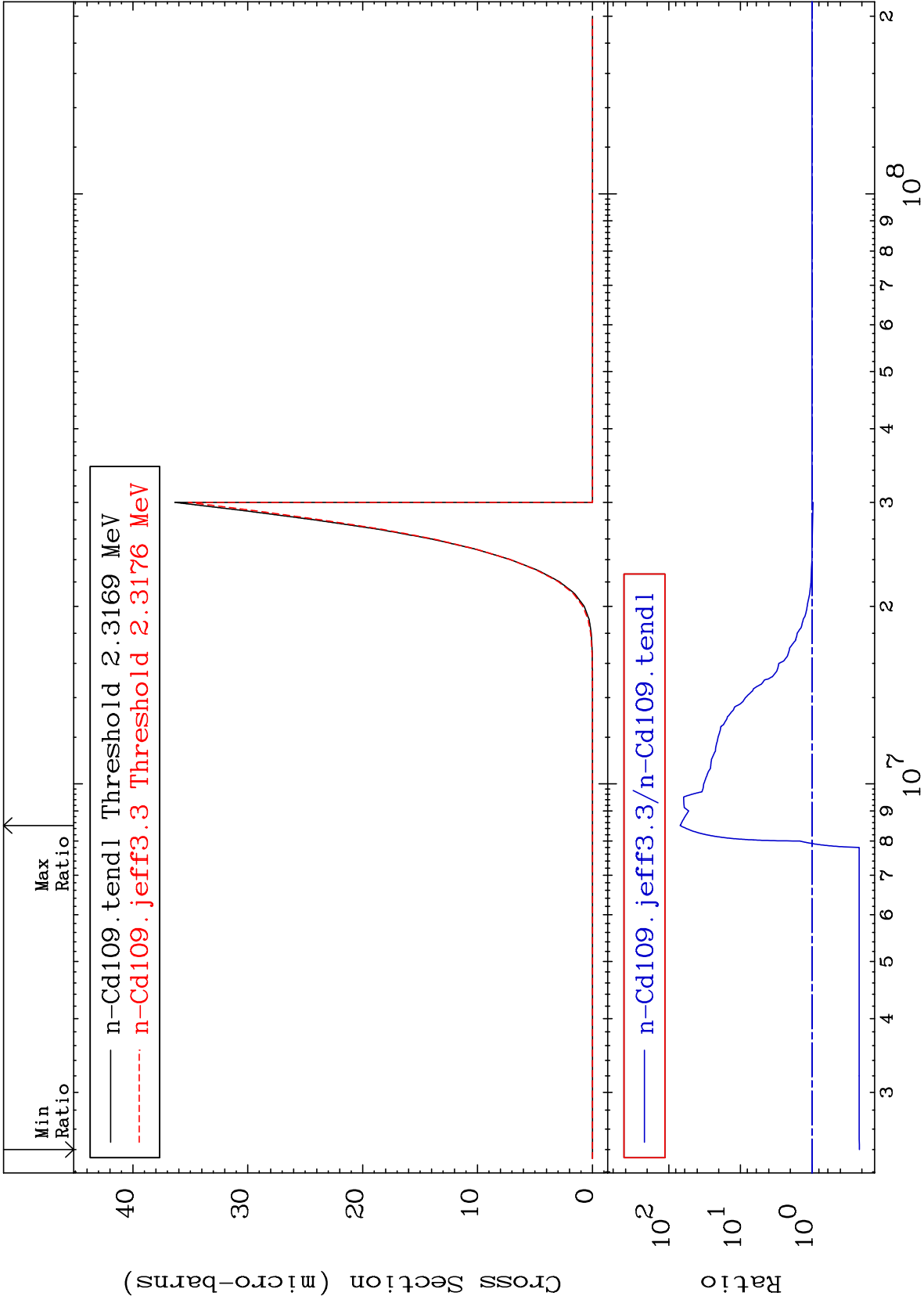
MAT 4834

(n, p)  $\alpha$ : 45-Rh-105g

48-Cd-109

Radionuclide Production Cross Section

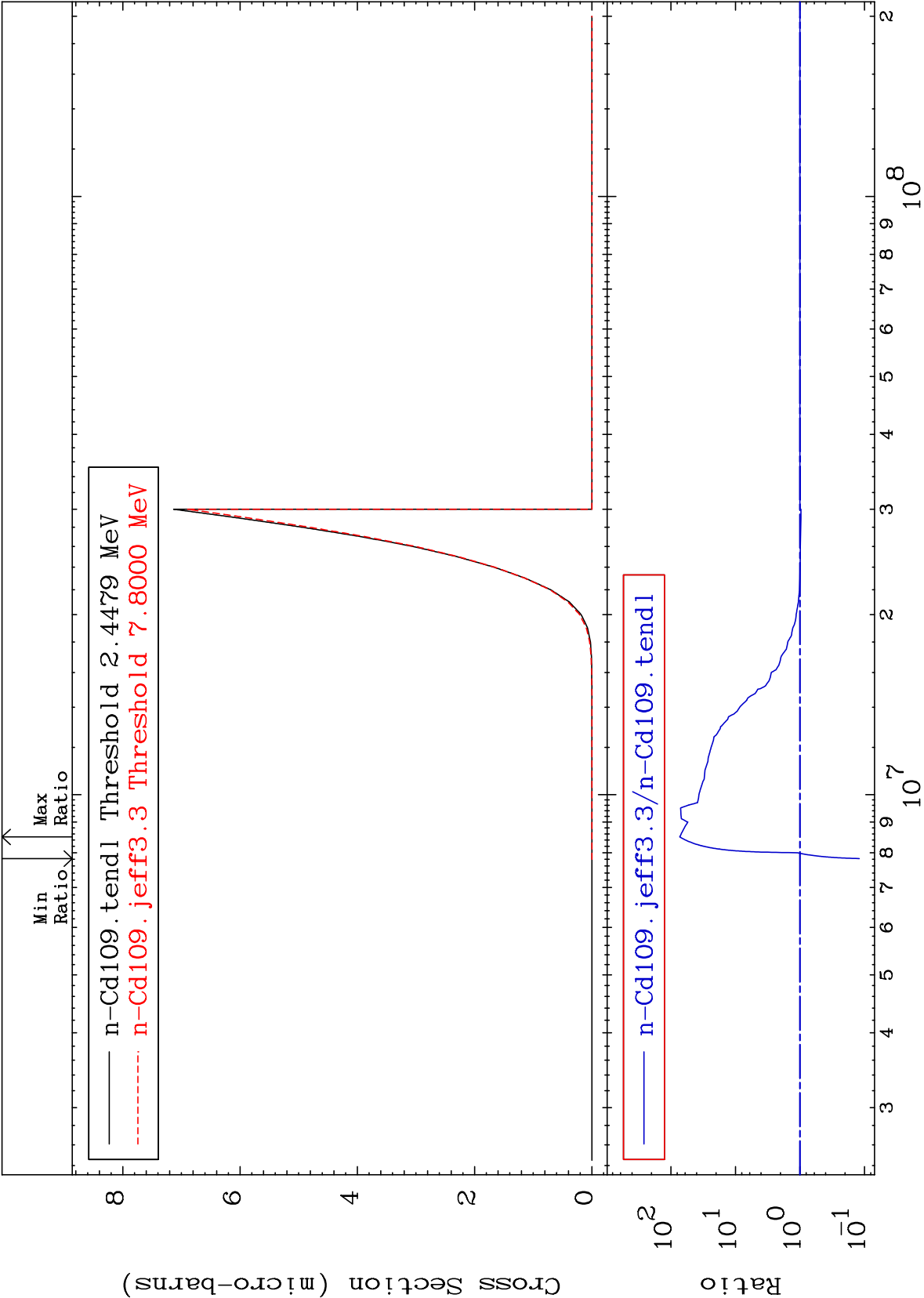
-78.28 To 6827. %



73

Incident Energy (eV)

48-Cd-109



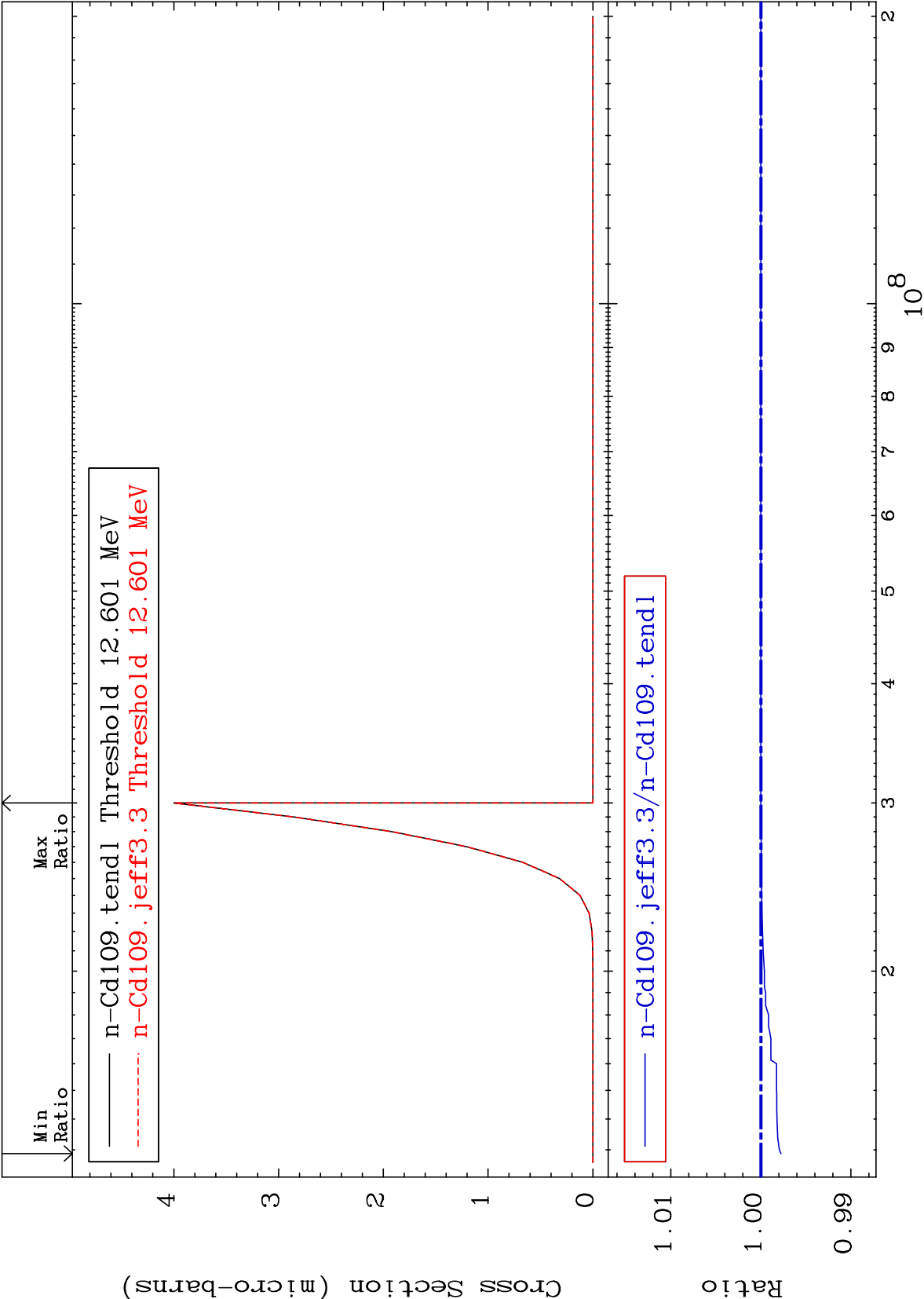
MAT 4834

(n,p) d:46-Pd-107g

48-Cd-109

Radionuclide Production Cross Section

-0.222 To 0.002 %



75

Incident Energy (eV)

48-Cd-109

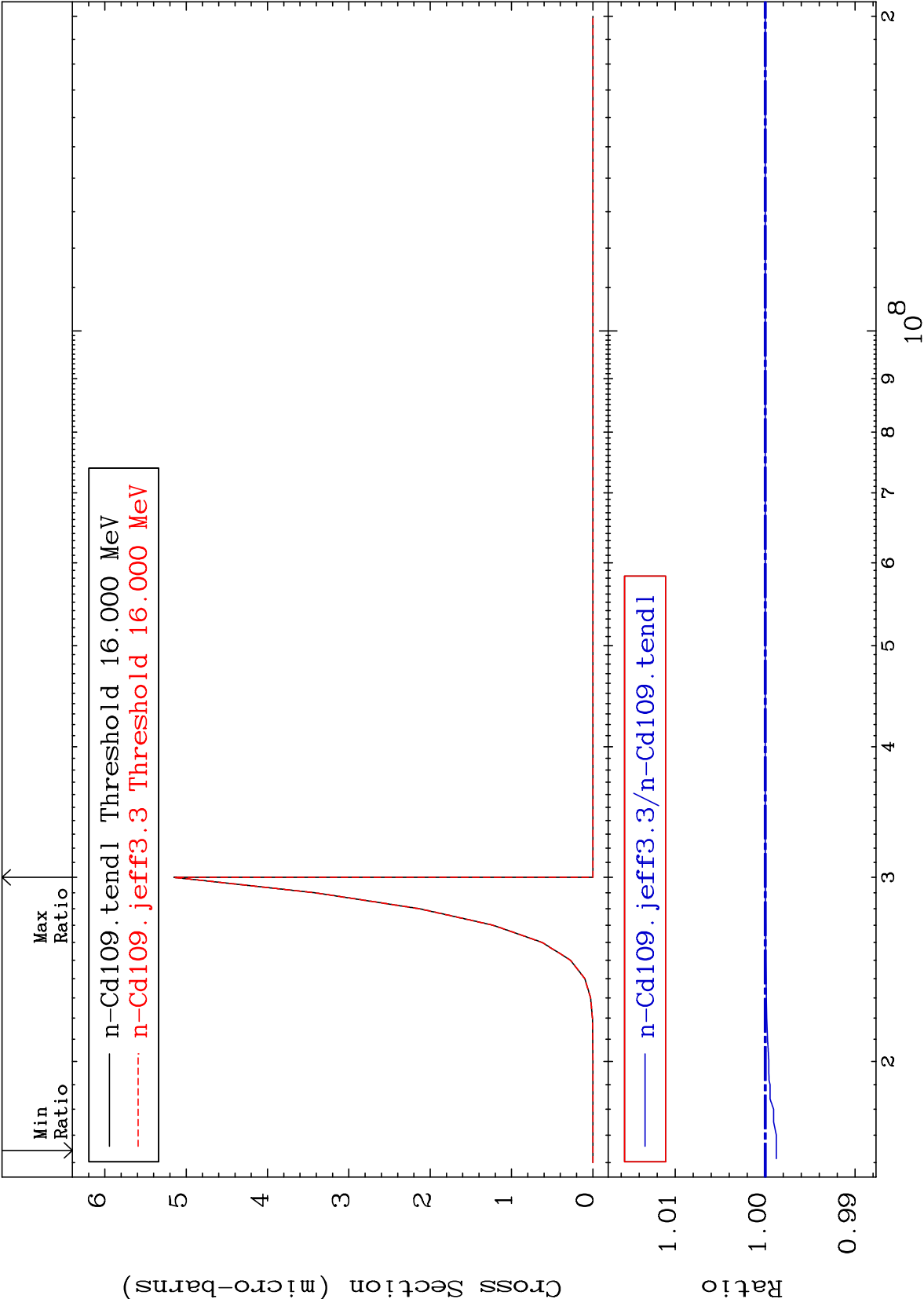
MAT 4834

(n,p) d:46-Pd-107m2

48-Cd-109

Radionuclide Production Cross Section

-0.125 To 0.000 %



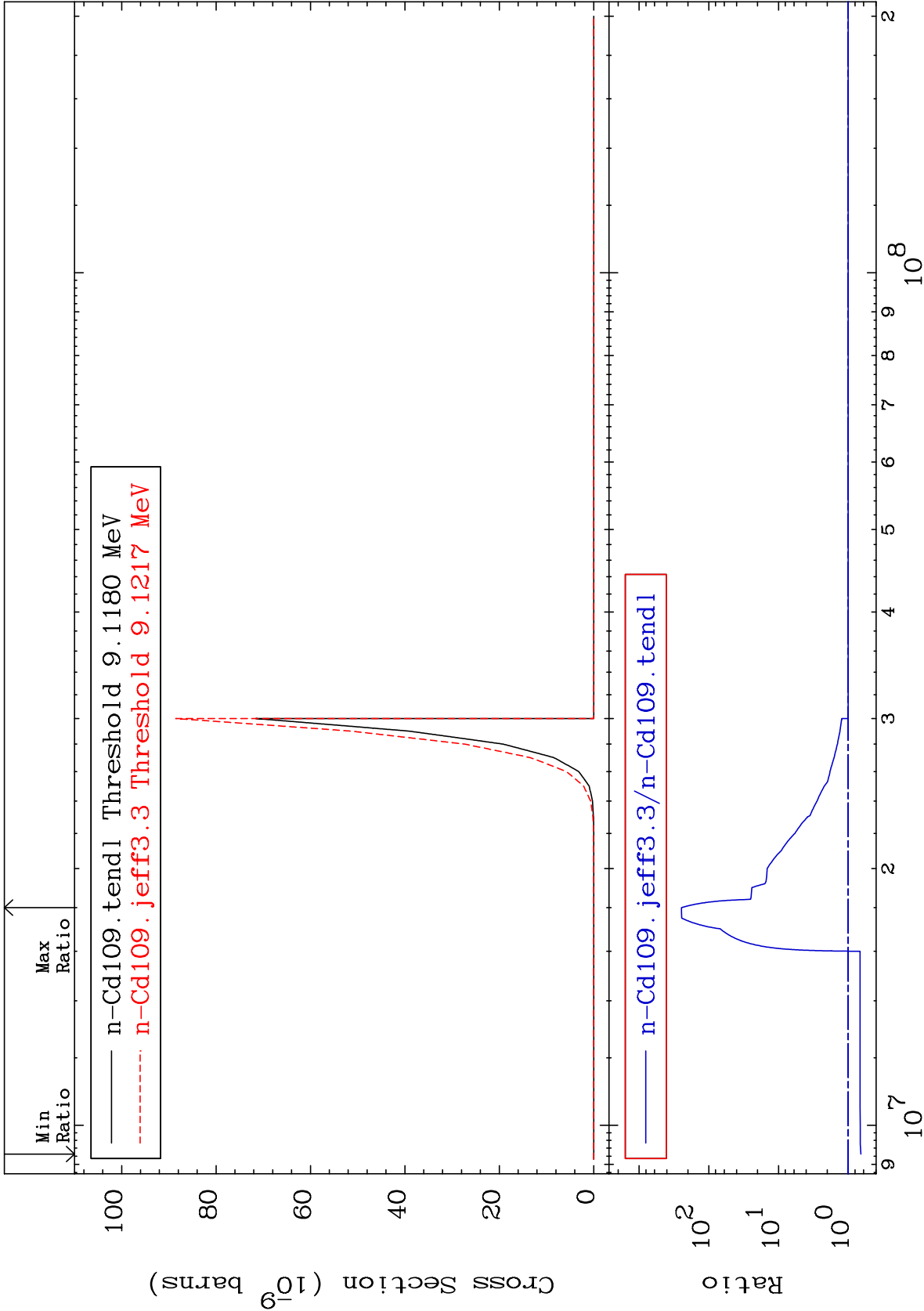
MAT 4834

(n,d)  $\alpha$ : 45-Rh-104g

48-Cd-109

Radionuclide Production Cross Section

-34.28 To 9999. %



MAT 4834

(n,d)  $\alpha$ :45-Rh-104m3

48-Cd-109

Radionuclide Production Cross Section

-60.82 To 9999. %

