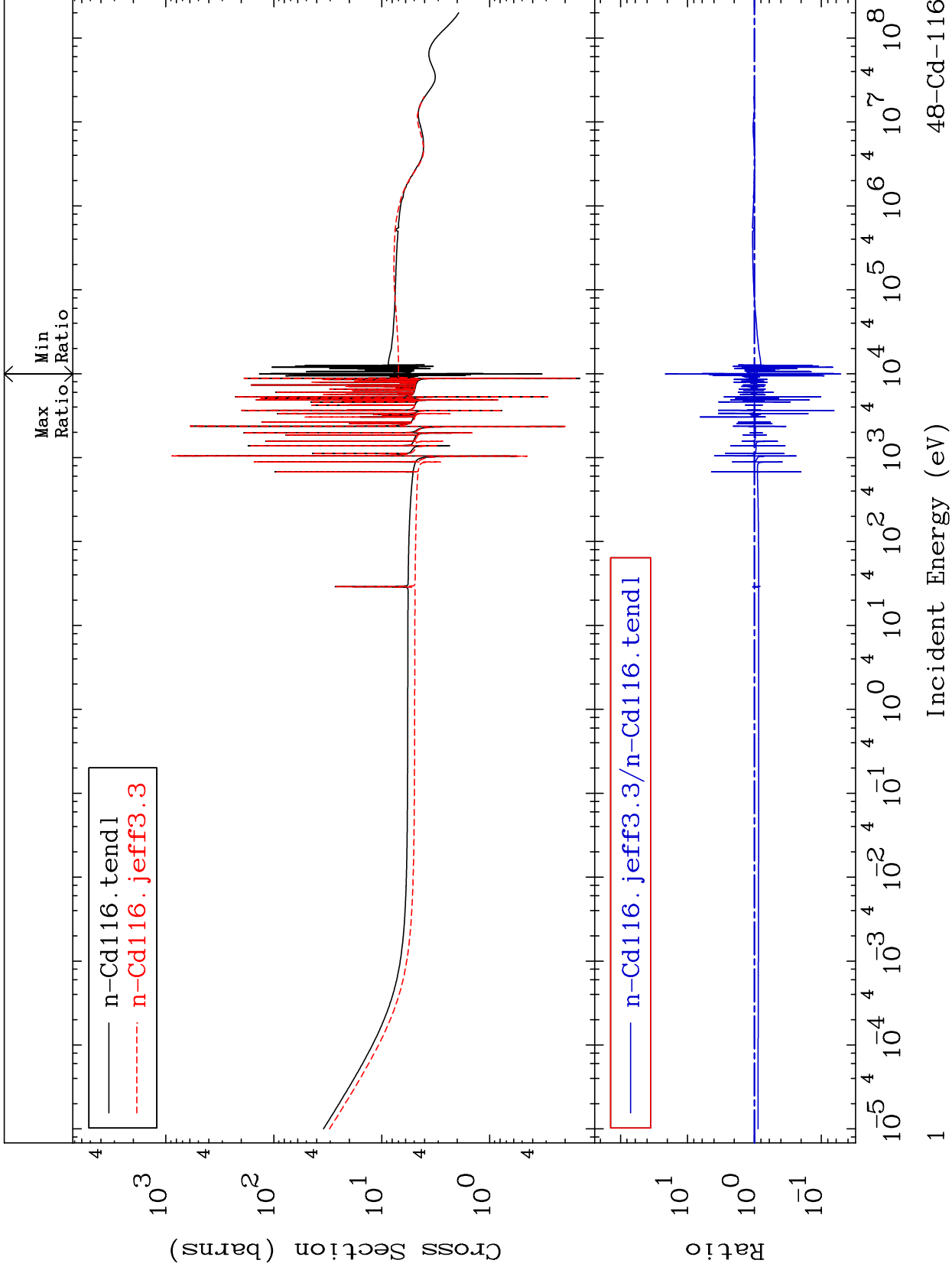


MAT 4855

Total  
Cross Section

48-Cd-116  
-94.87 To 2025. %

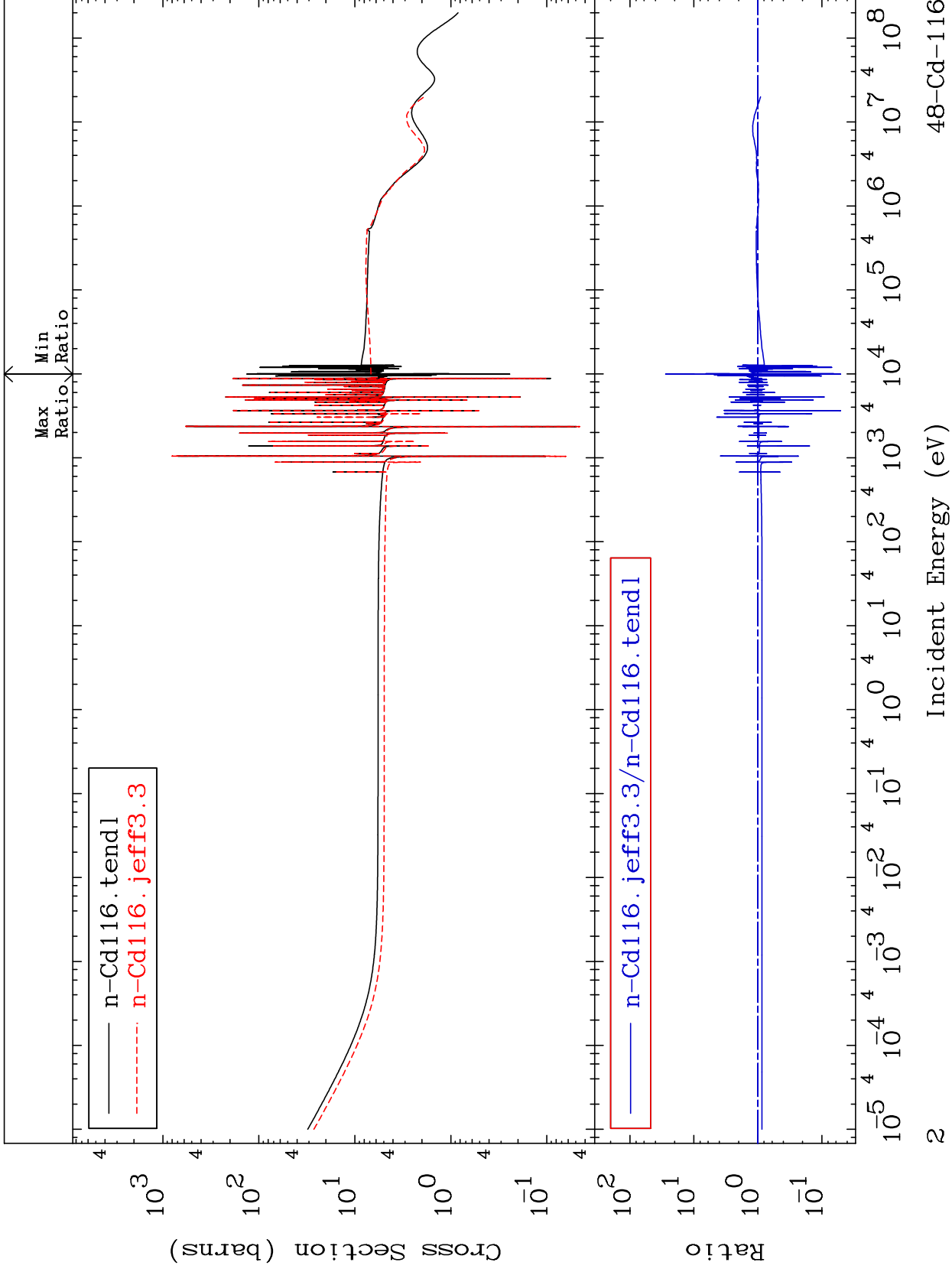


48-Cd-116

MAT 4855

Elastic  
Cross Section

48-Cd-116  
-94.92 To 2677. %



48-Cd-116

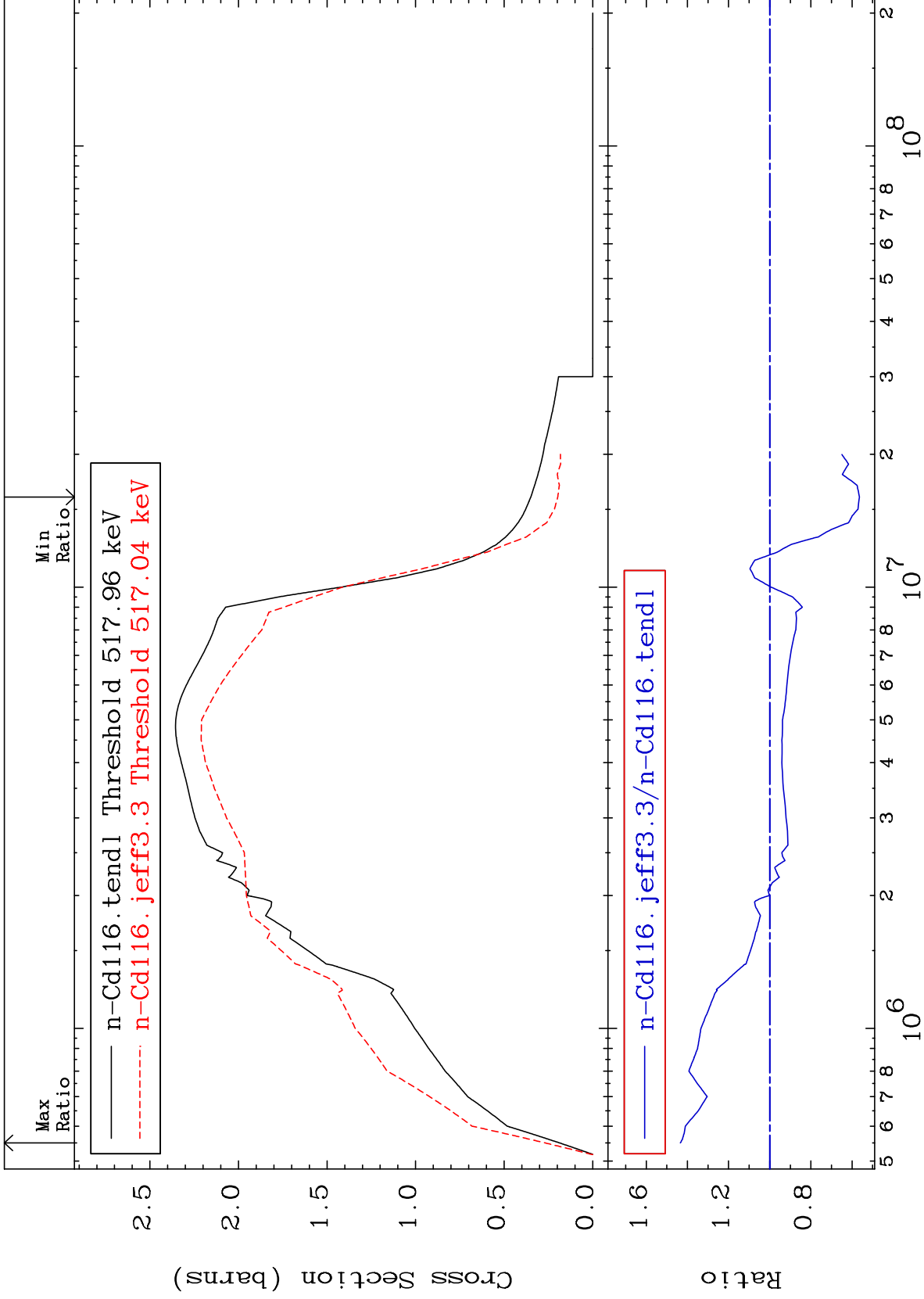
Incident Energy (eV)

2

MAT 4855

Inelastic  
Cross Section

48-Cd-116  
-43.58 To 43.42 %



3

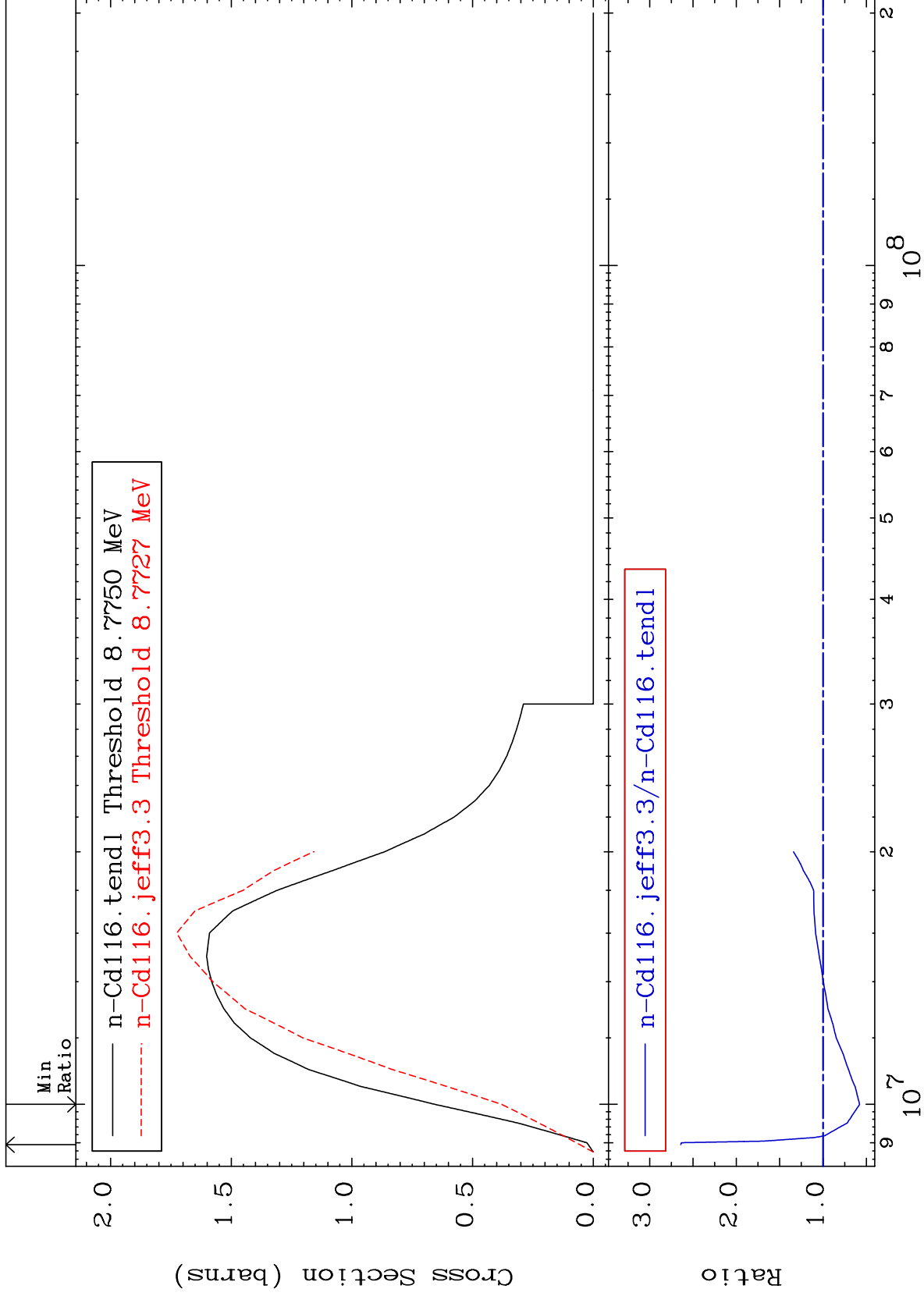
Incident Energy (eV)

48-Cd-116

MAT 4855

(n,2n)  
Cross Section

48-Cd-116  
-42.15 To 164.1 %



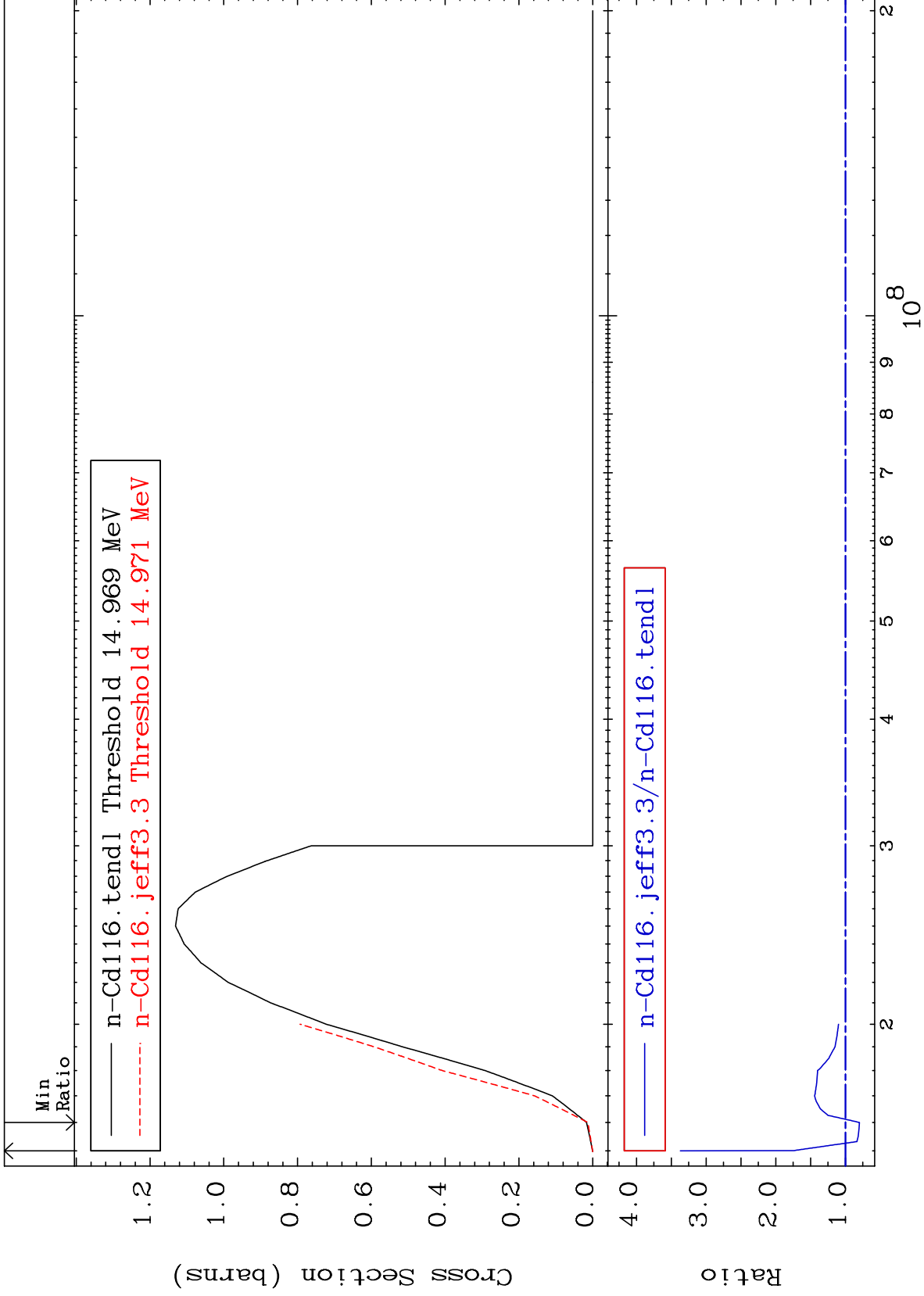
Incident Energy (eV)

48-Cd-116

MAT 4855

(n,3n)  
Cross Section

48-Cd-116  
-20.17 To 237.0 %



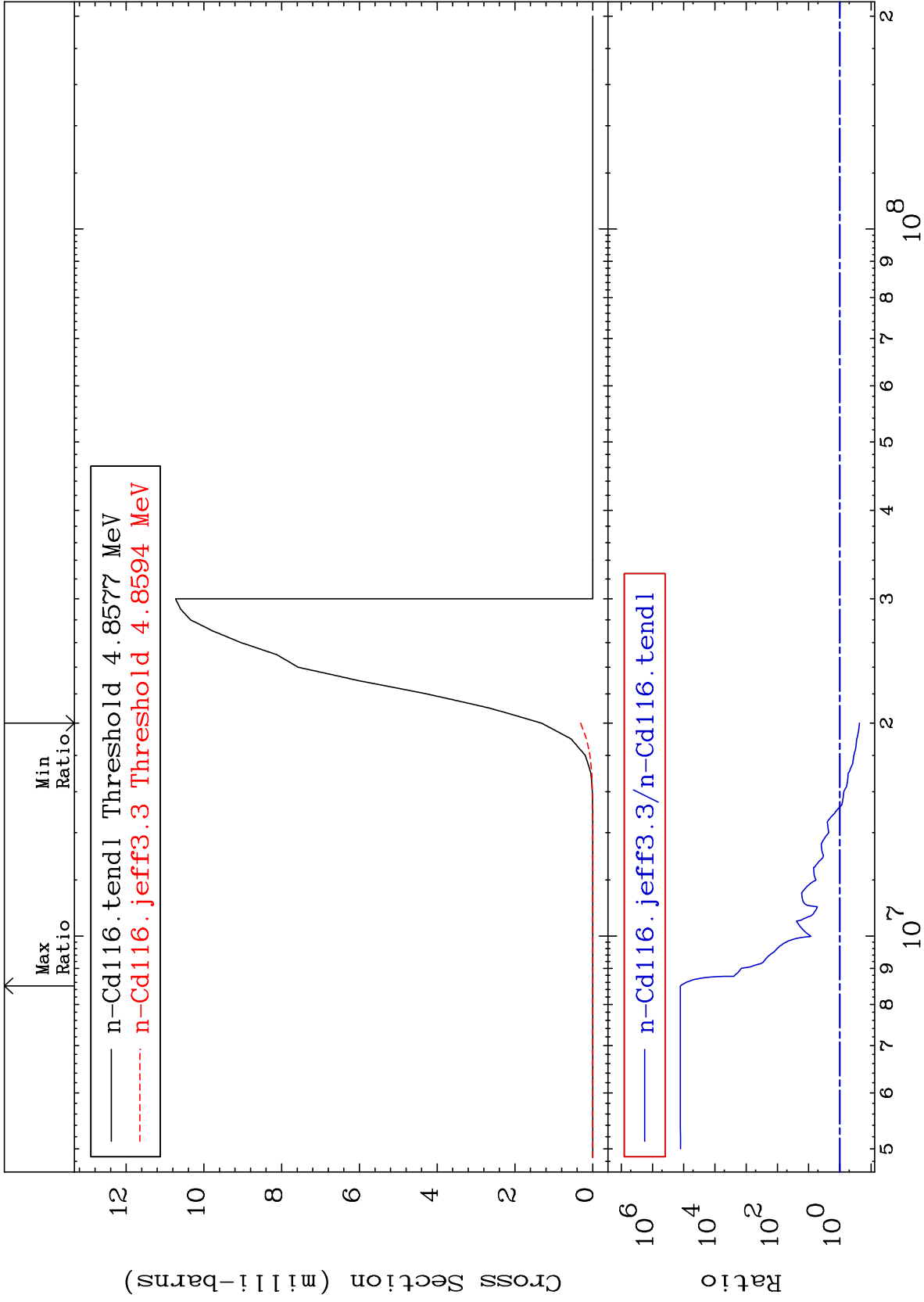
MAT 4855

(n, n')  $\alpha$

48-Cd-116

Cross Section

-76.46 To 9999. %



6

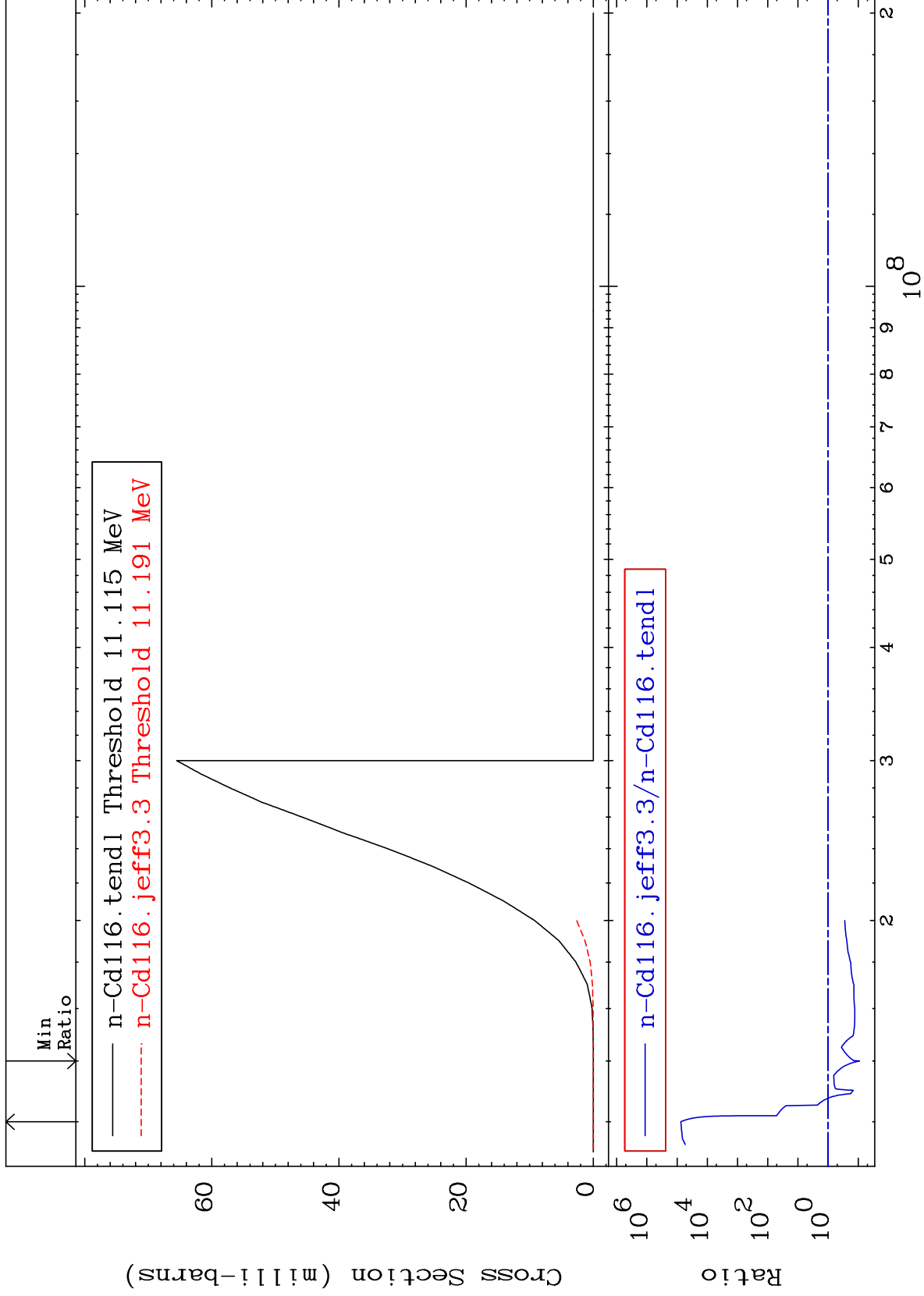
Incident Energy (eV)

48-Cd-116

MAT 4855

(n,n') p  
Cross Section

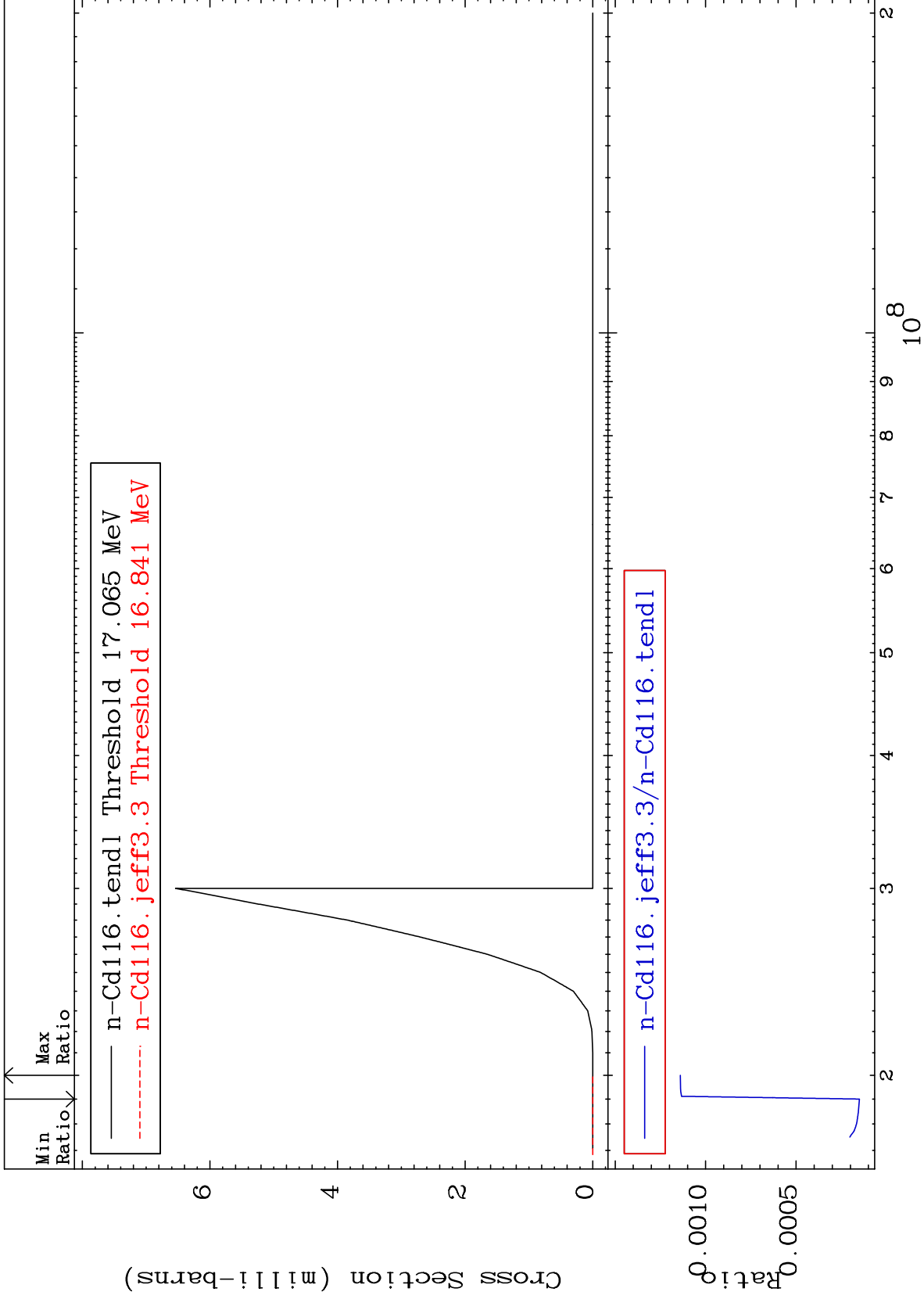
48-Cd-116  
-90.91 To 9999. %



MAT 4855

(n,n') d  
Cross Section

48-Cd-116  
-99.98 To -99.89%





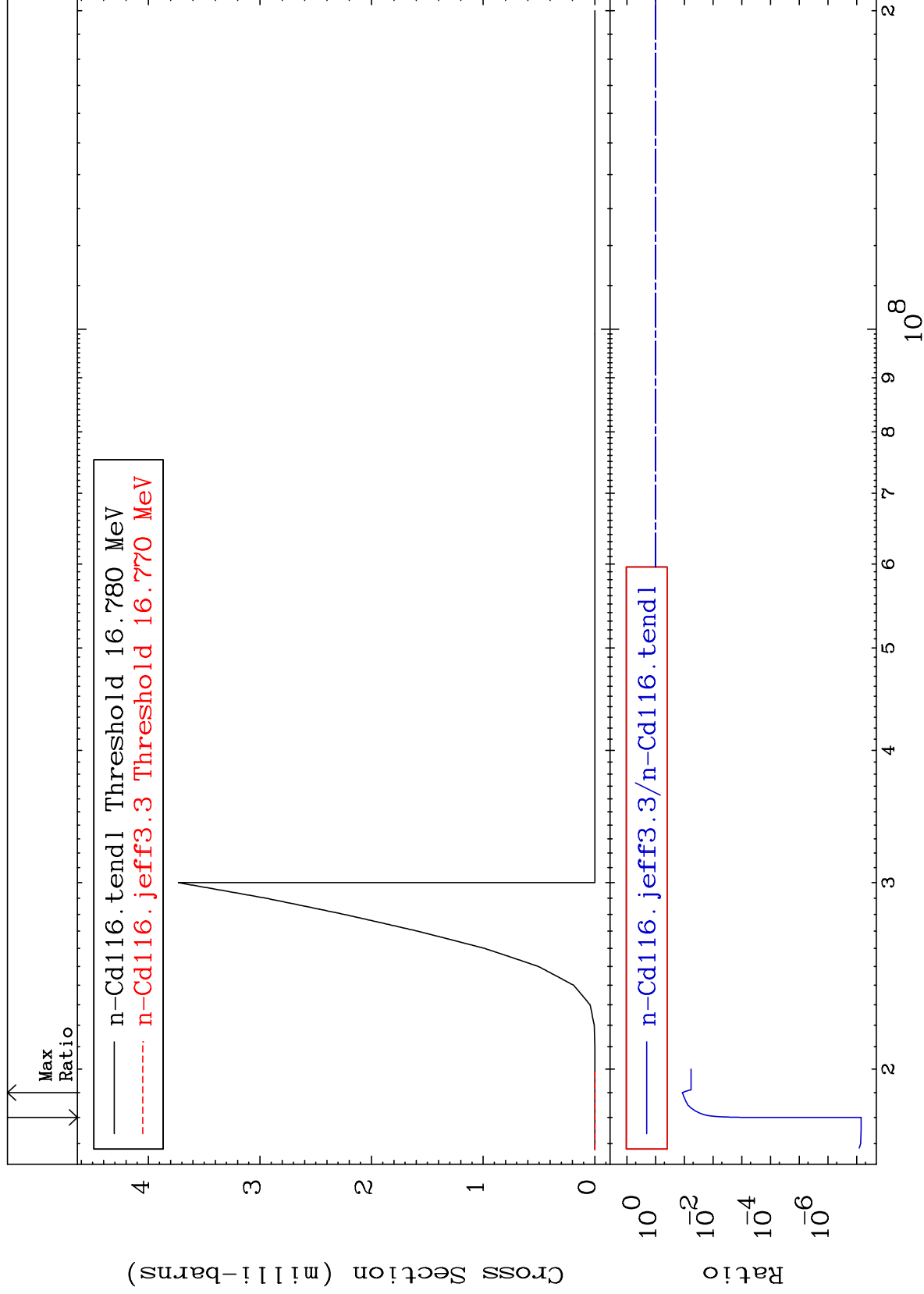
MAT 4855

(n,n') t

48-Cd-116

Cross Section

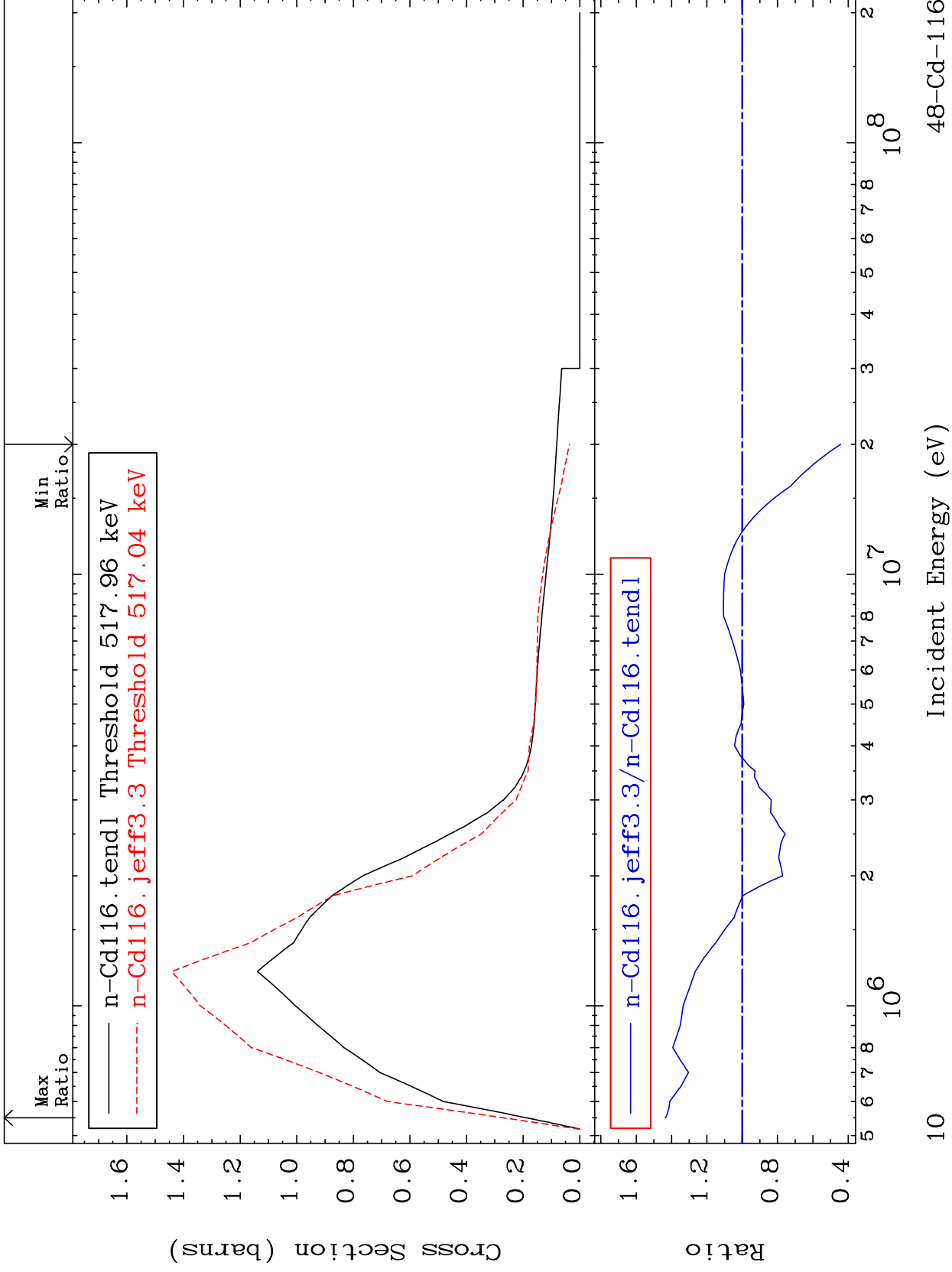
-100.0 To -88.22%



MAT 4855

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

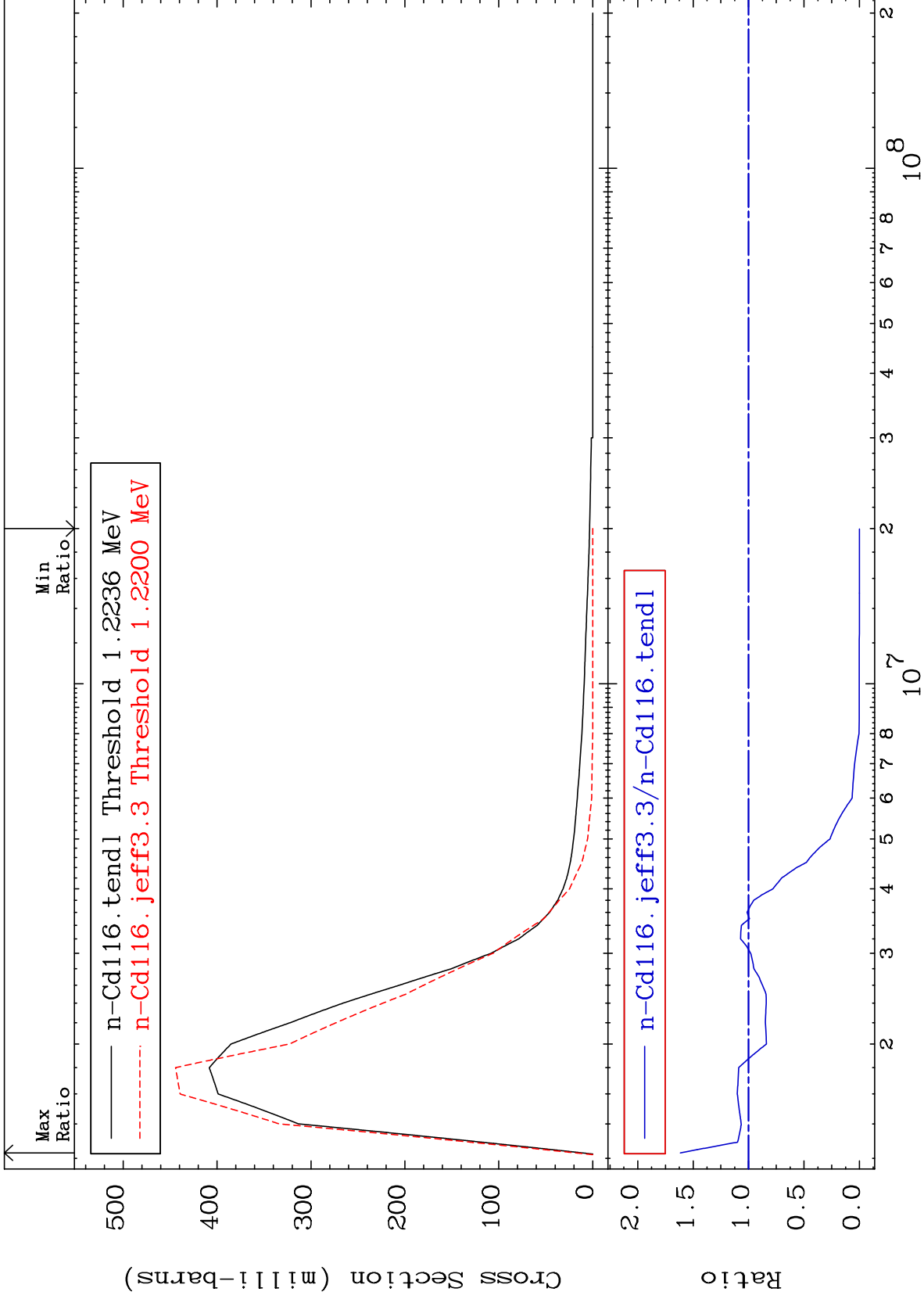
48-Cd-116  
-55.74 To 43.42 %



MAT 4855

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

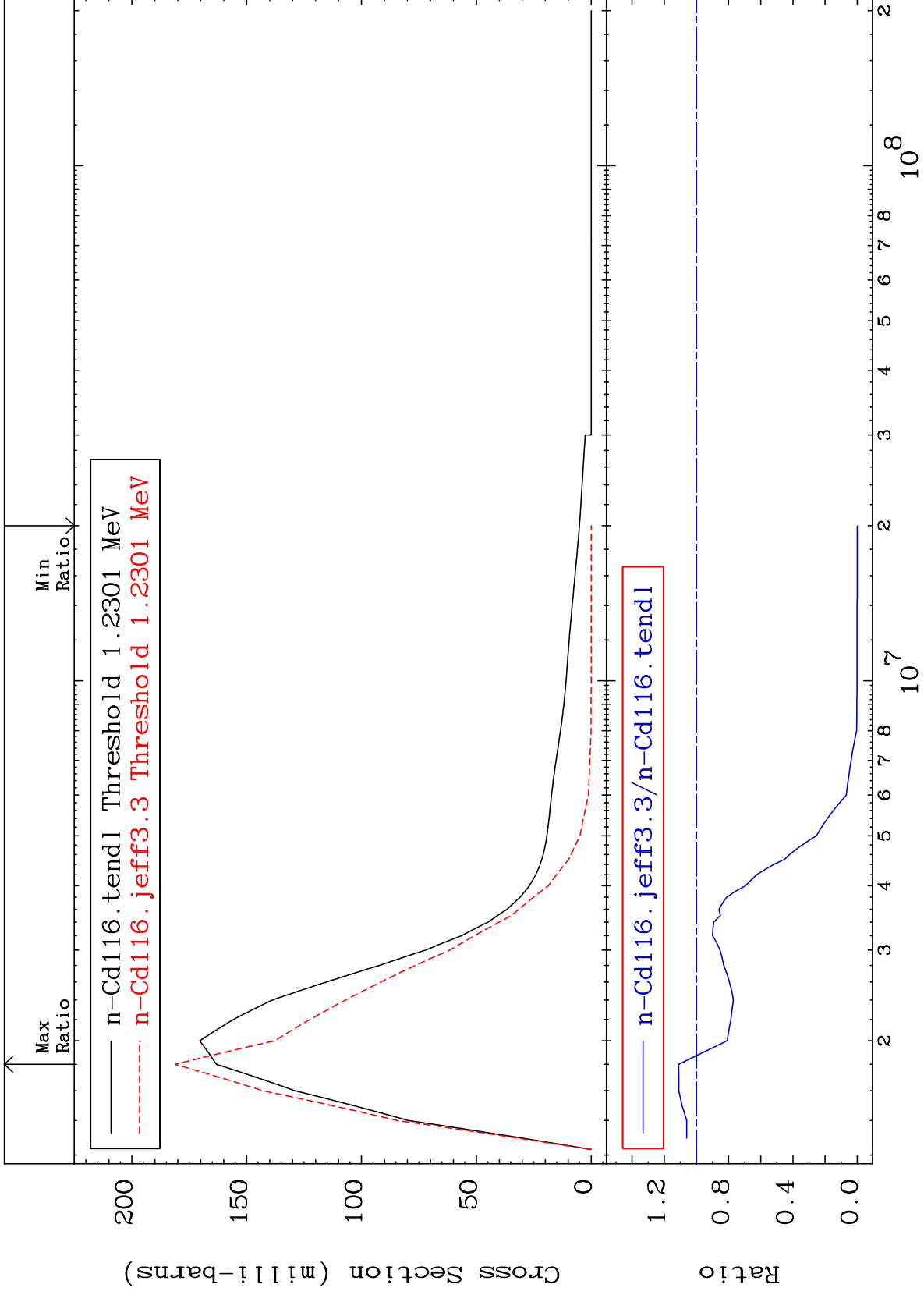
48-Cd-116  
-100.0 To 61.53 %



MAT 4855

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

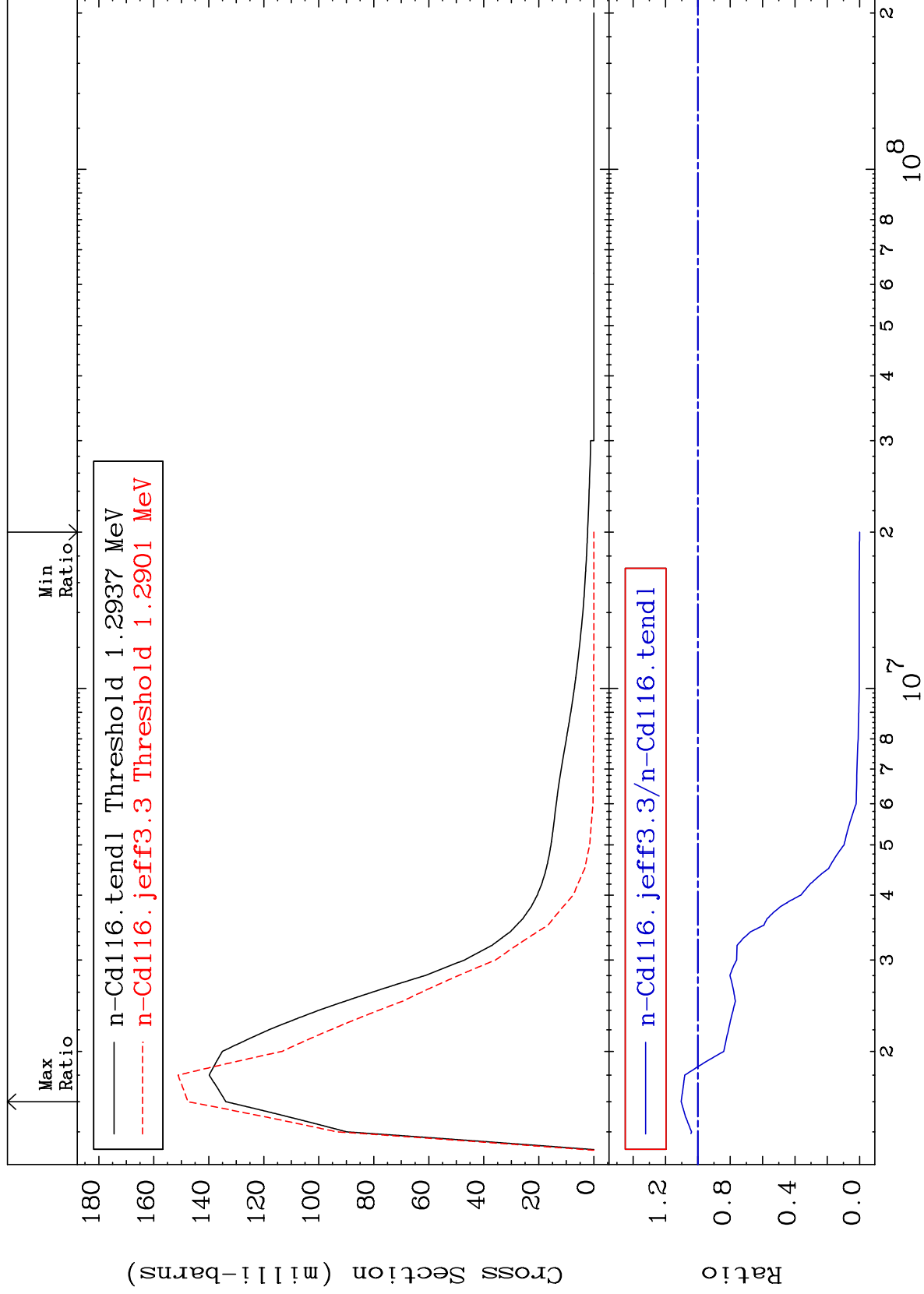
48-Cd-116  
-100.0 To 11.03 %



MAT 4855

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

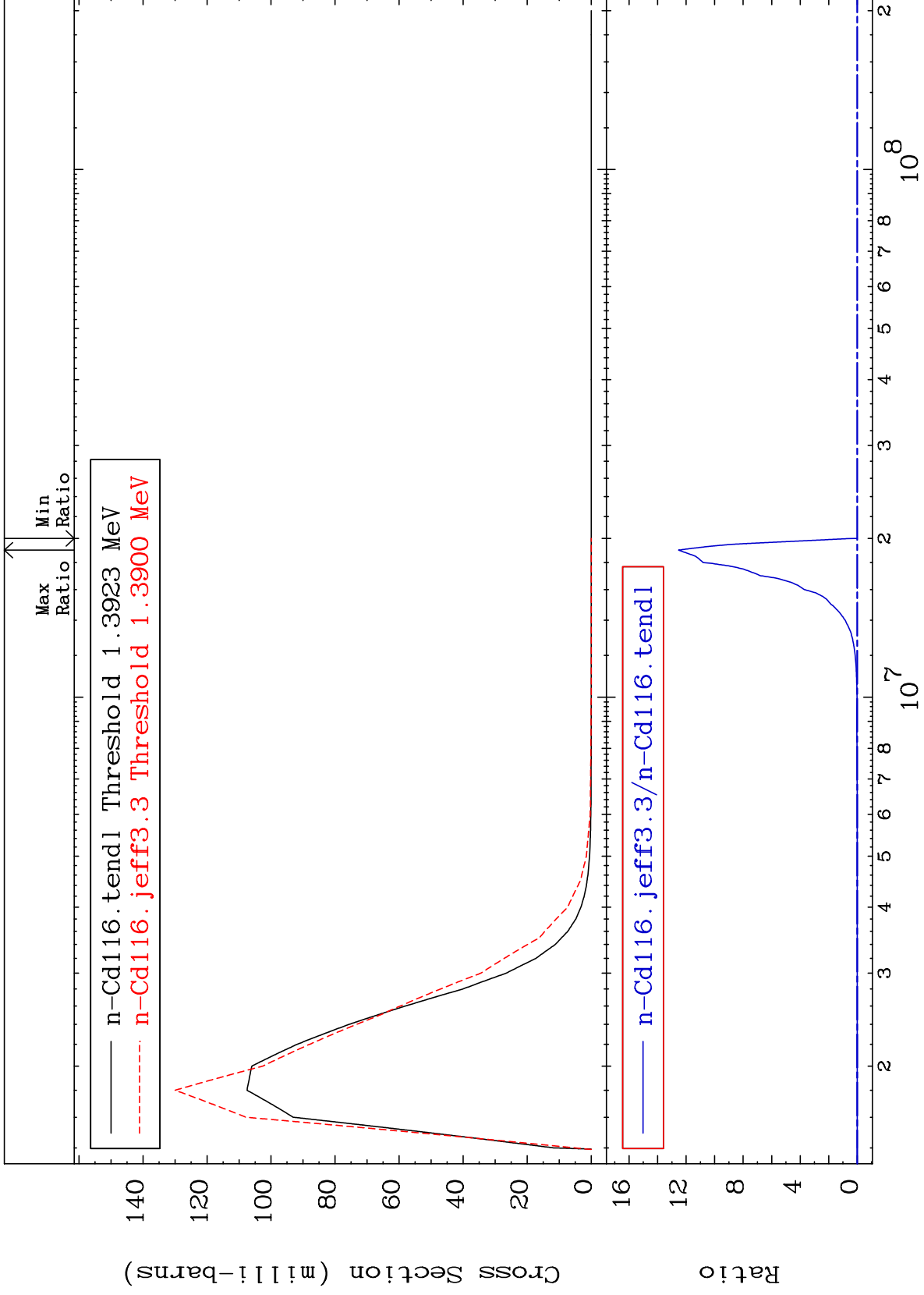
48-Cd-116  
-100.0 To 10.30 %



MAT 4855

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

48-Cd-116  
-100.0 To 9999. %



14

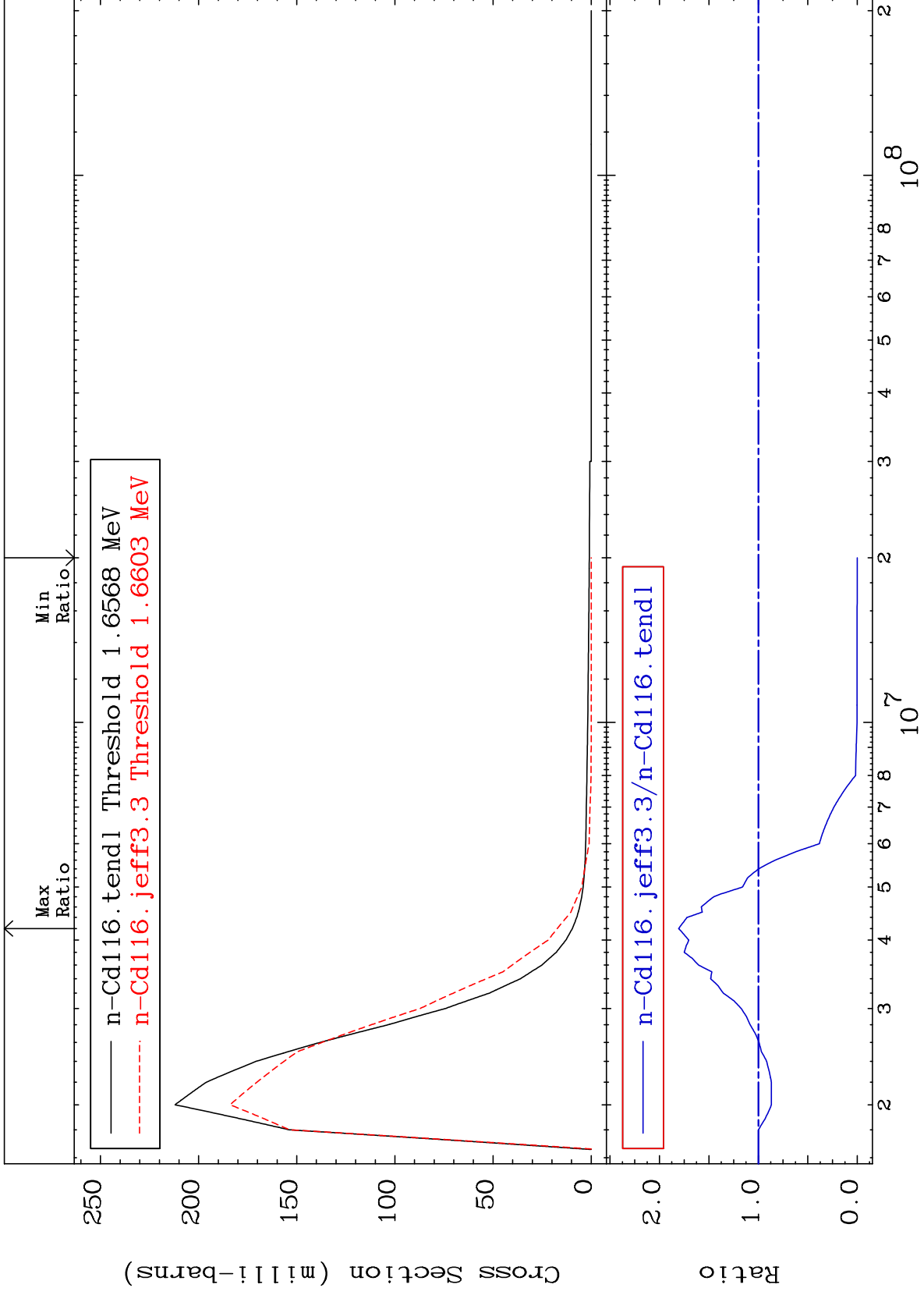
48-Cd-116

48-Cd-116

MAT 4855

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

48-Cd-116  
-100.0 To 80.61 %



15

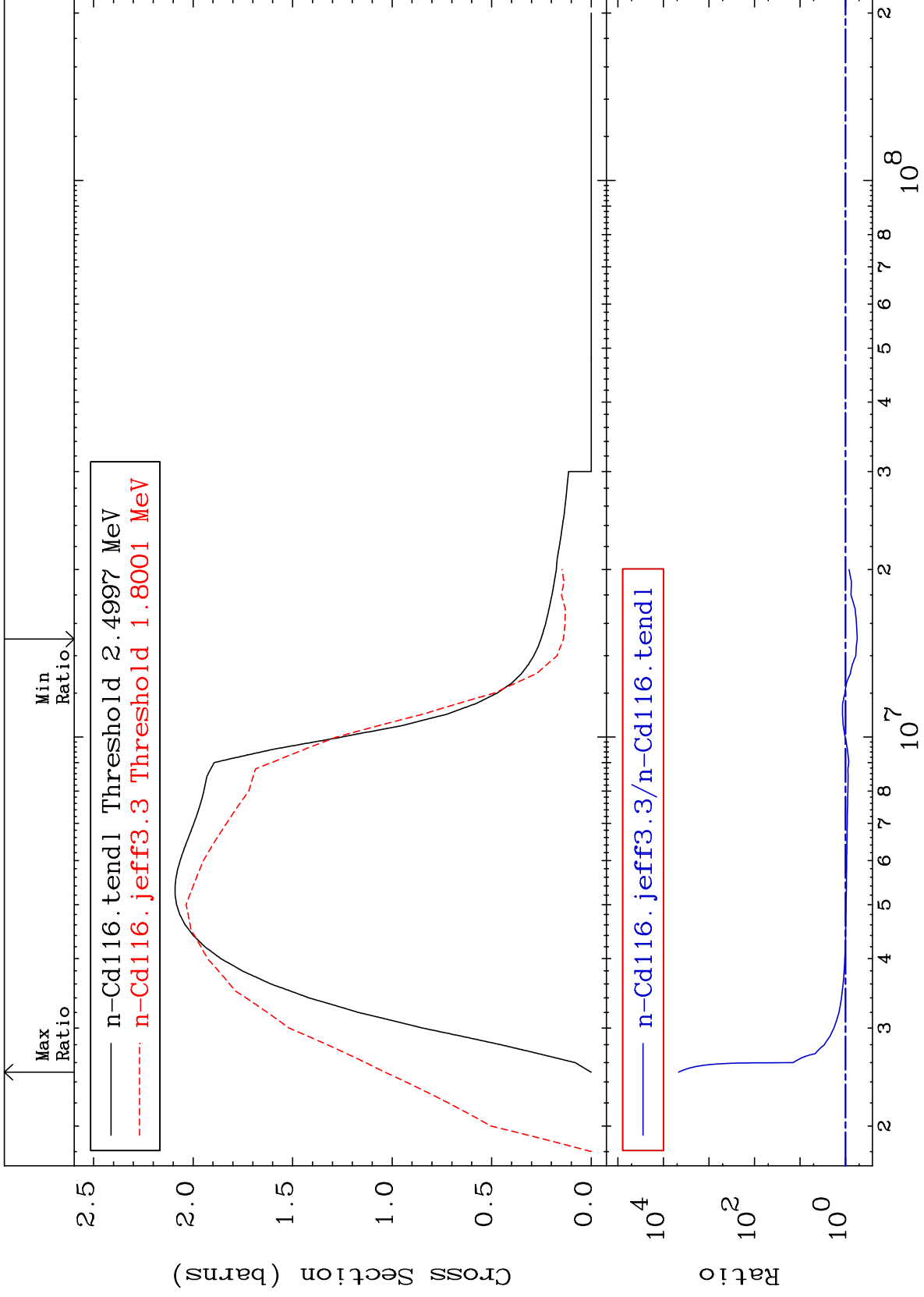
Incident Energy (eV)

48-Cd-116

MAT 4855

(n, n') Continuum  
Cross Section

48-Cd-116  
-44.81 To 9999. %



16

Incident Energy (eV)

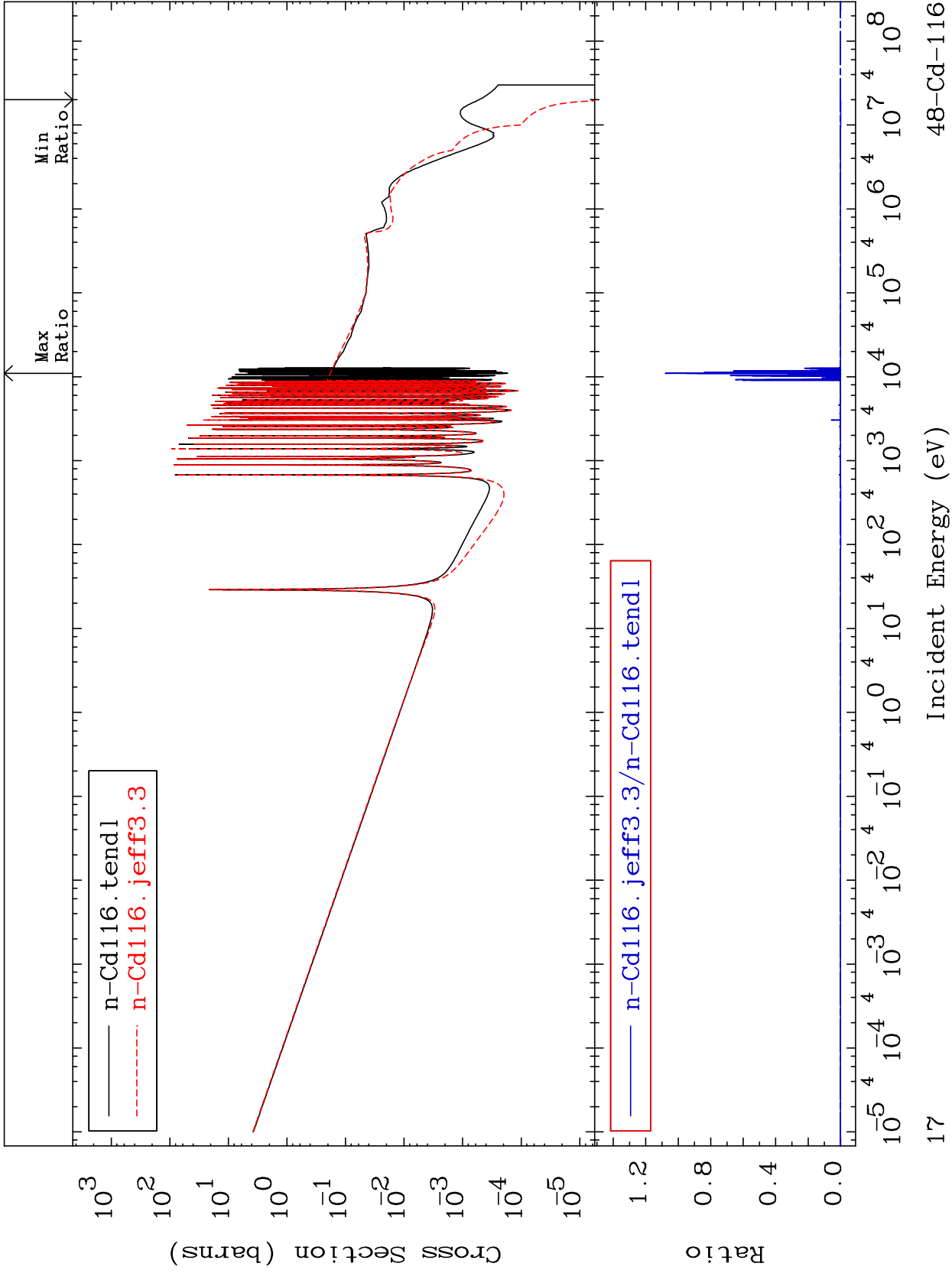
48-Cd-116



MAT 4855

(n,  $\gamma$ )  
Cross Section

48-Cd-116  
-100.0 To 9999. %



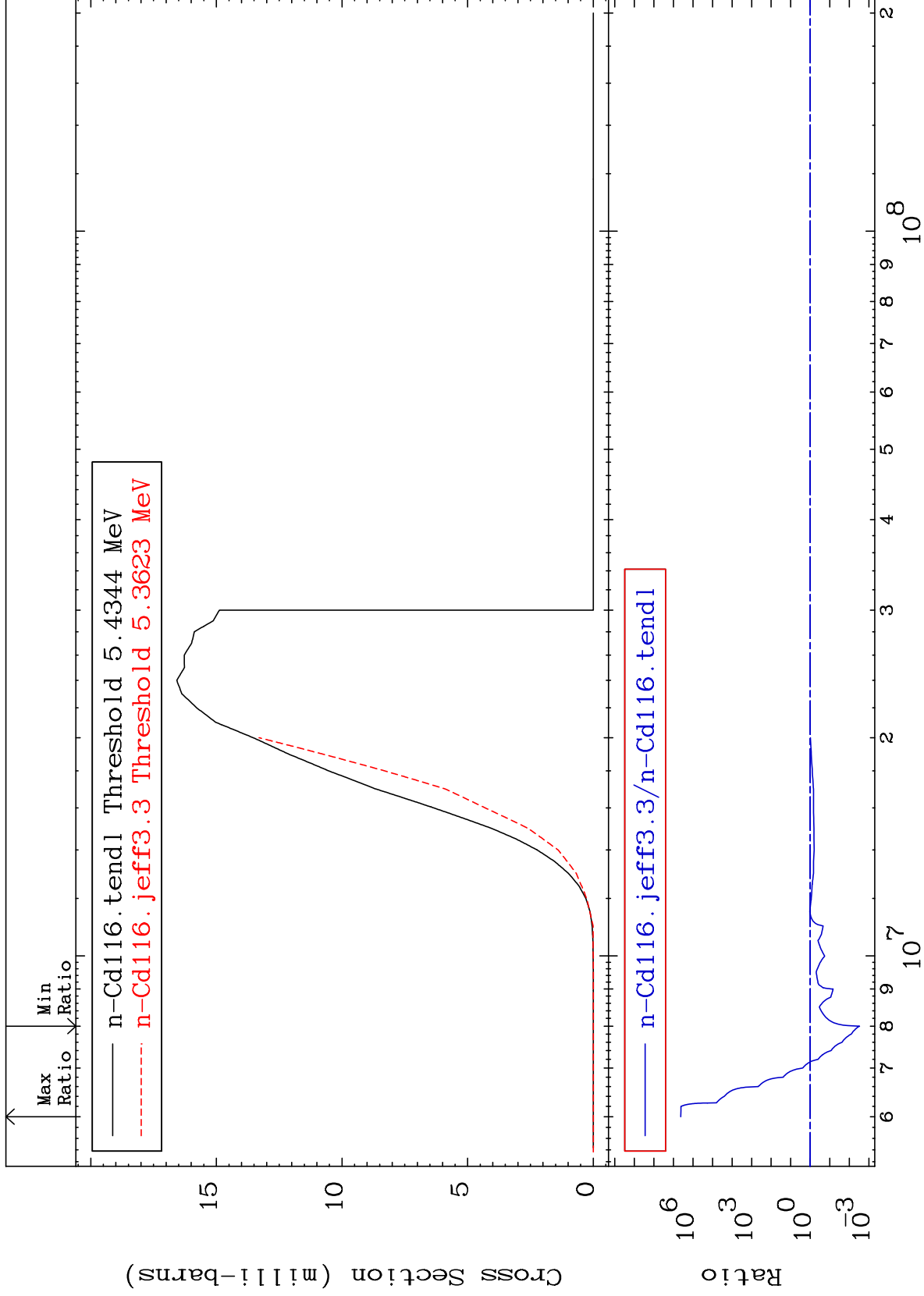
MAT 4855

(n,p)

48-Cd-116

Cross Section

-99.70 To 9999. %



18

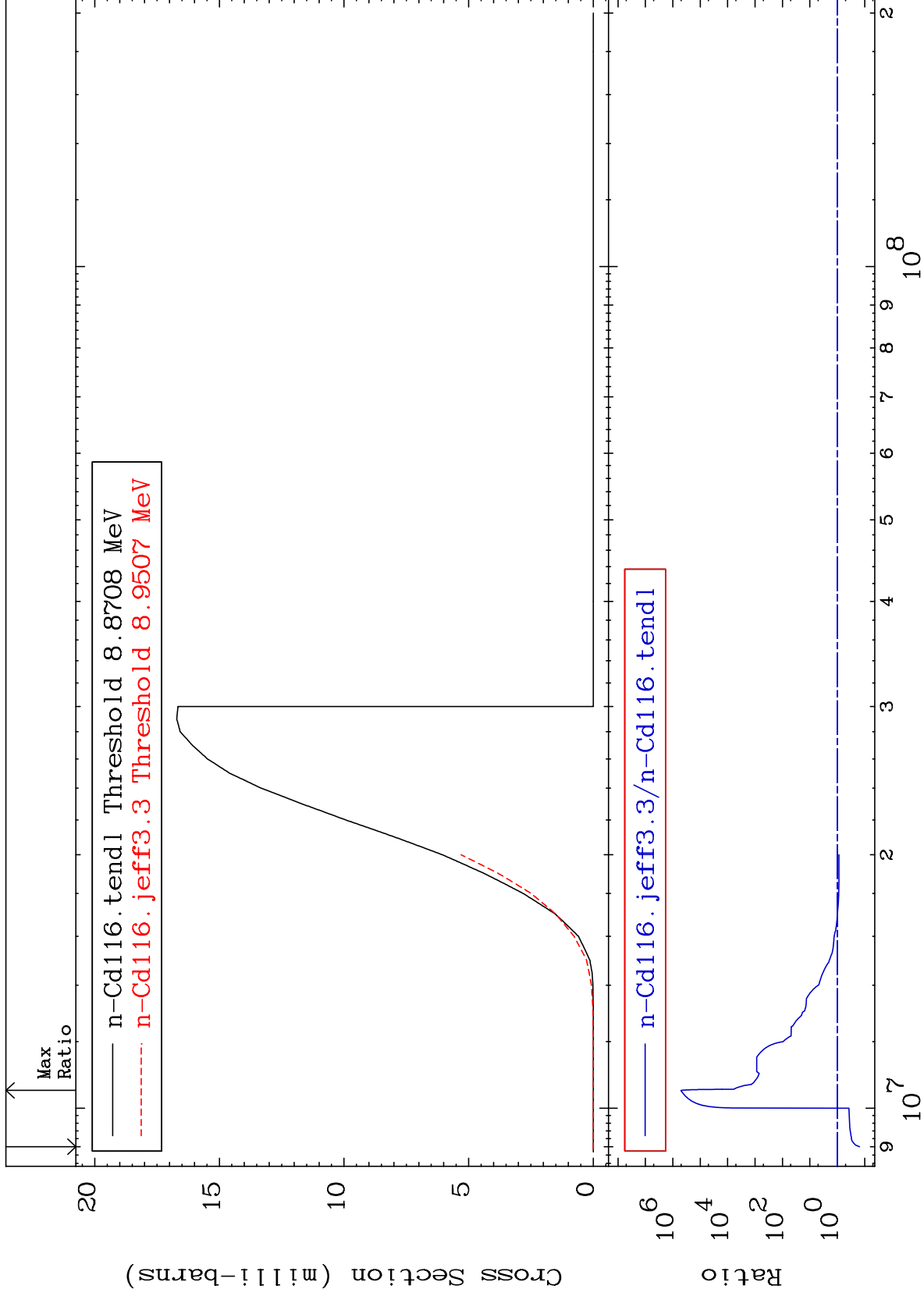
Incident Energy (eV)

48-Cd-116

MAT 4855

(n, d)  
Cross Section

48-Cd-116  
-84.56 To 9999. %



19

Incident Energy (eV)

48-Cd-116

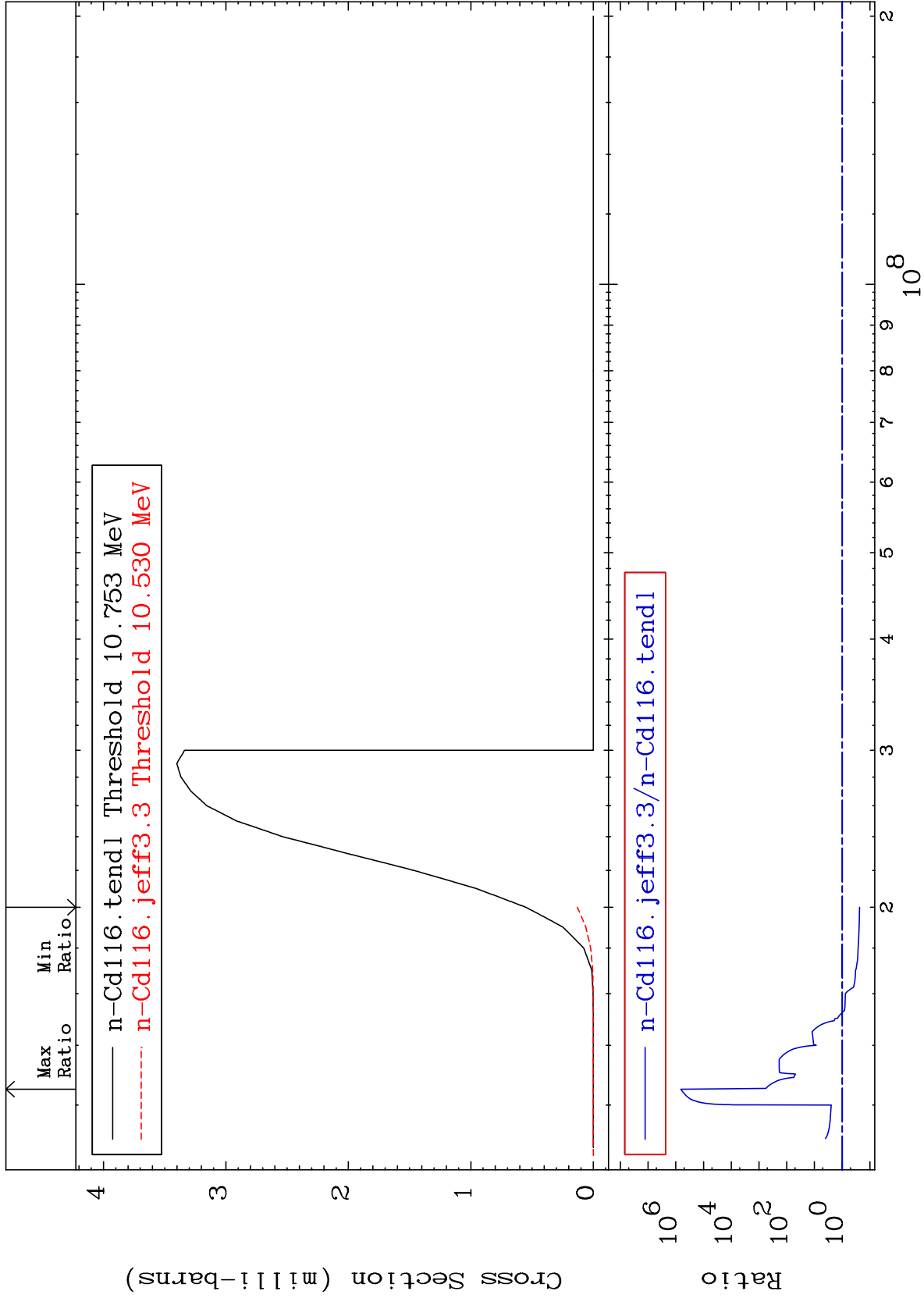
MAT 4855

(n, t)

48-Cd-116

Cross Section

-76.37 To 9999. %



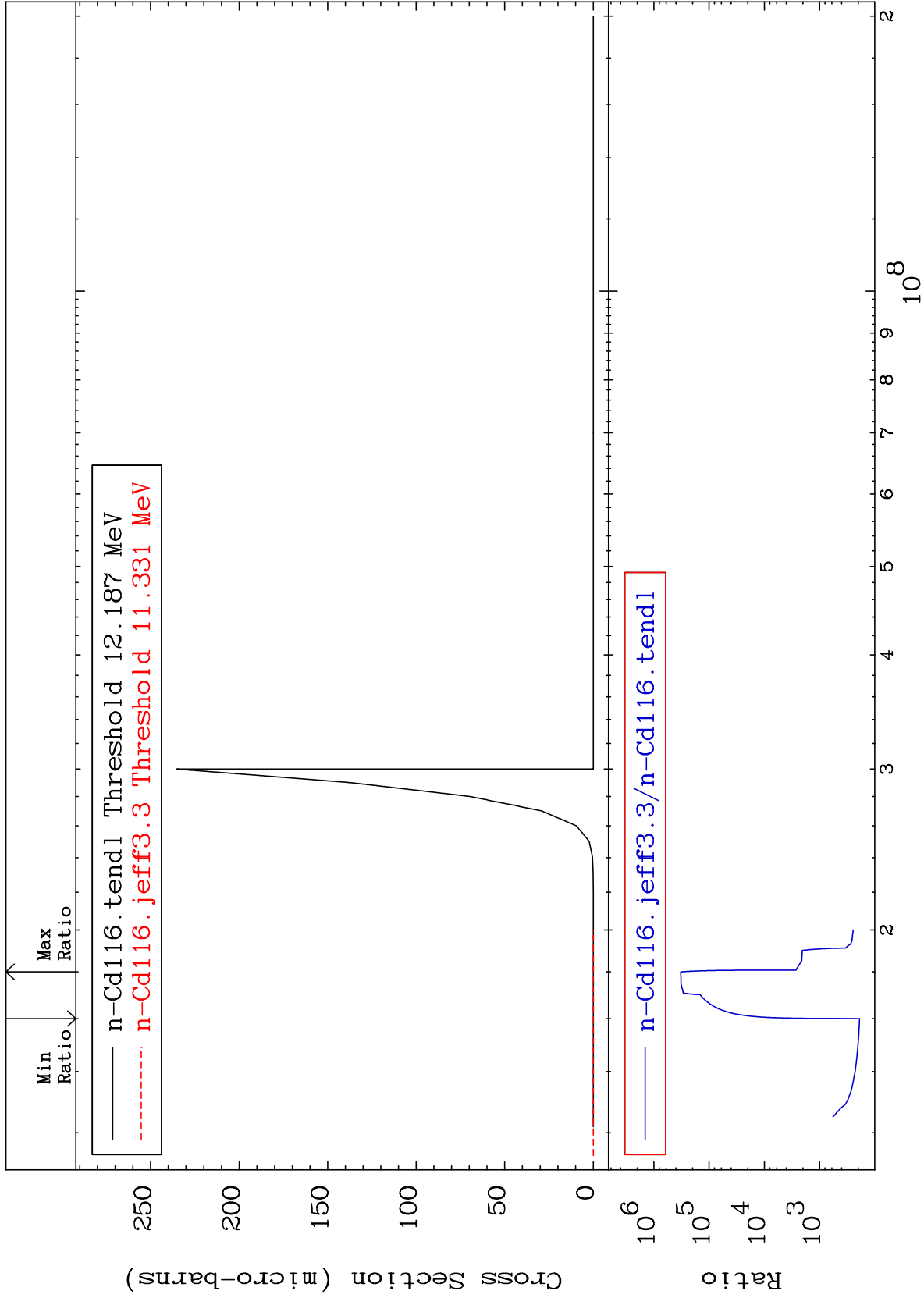
MAT 4855

(n, He-3)

48-Cd-116

Cross Section

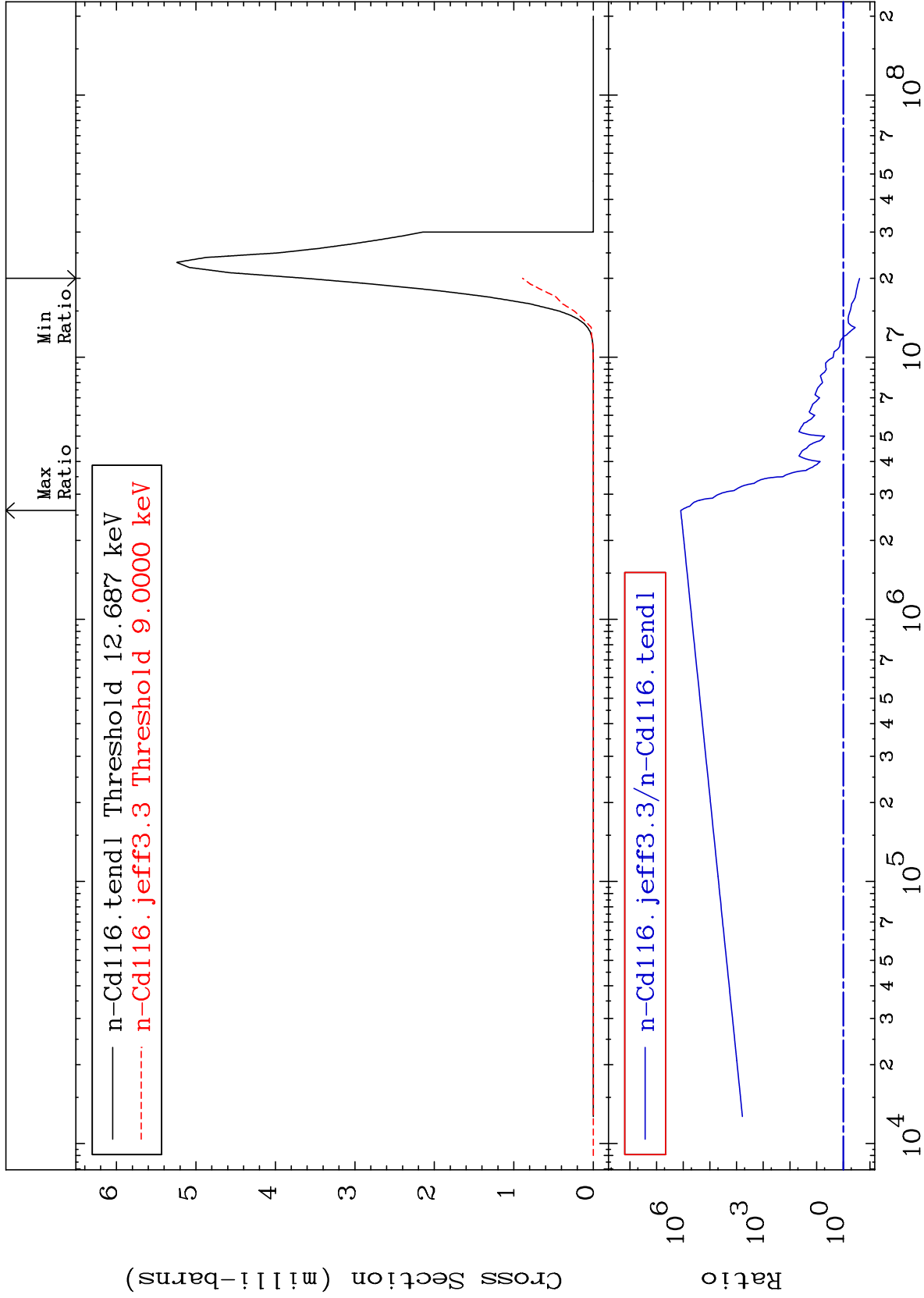
9999. % To 9999. %



MAT 4855

48-Cd-116

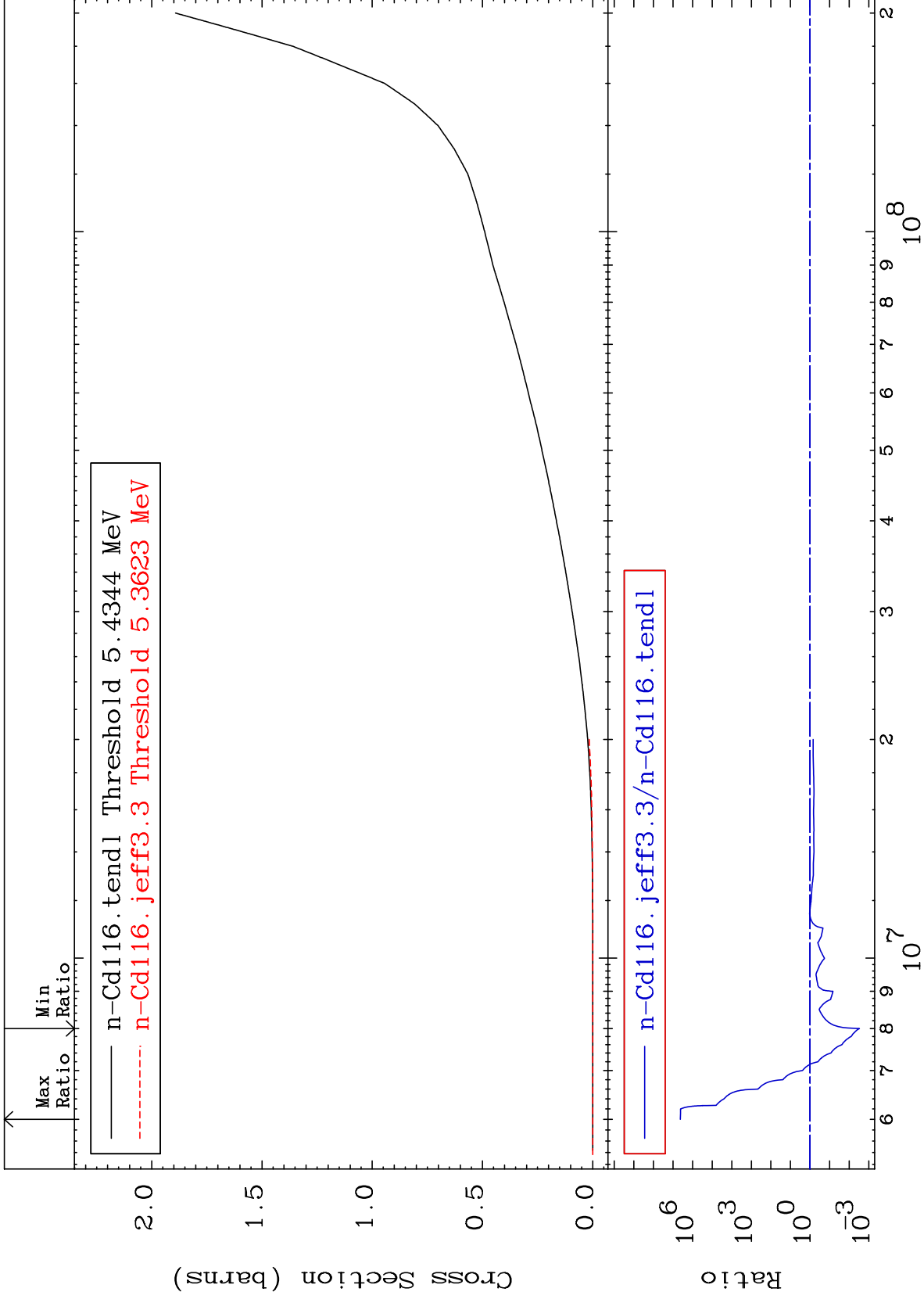
(n,  $\alpha$ )  
Cross Section  
-75.44 To 9999. %



22

Incident Energy (eV)

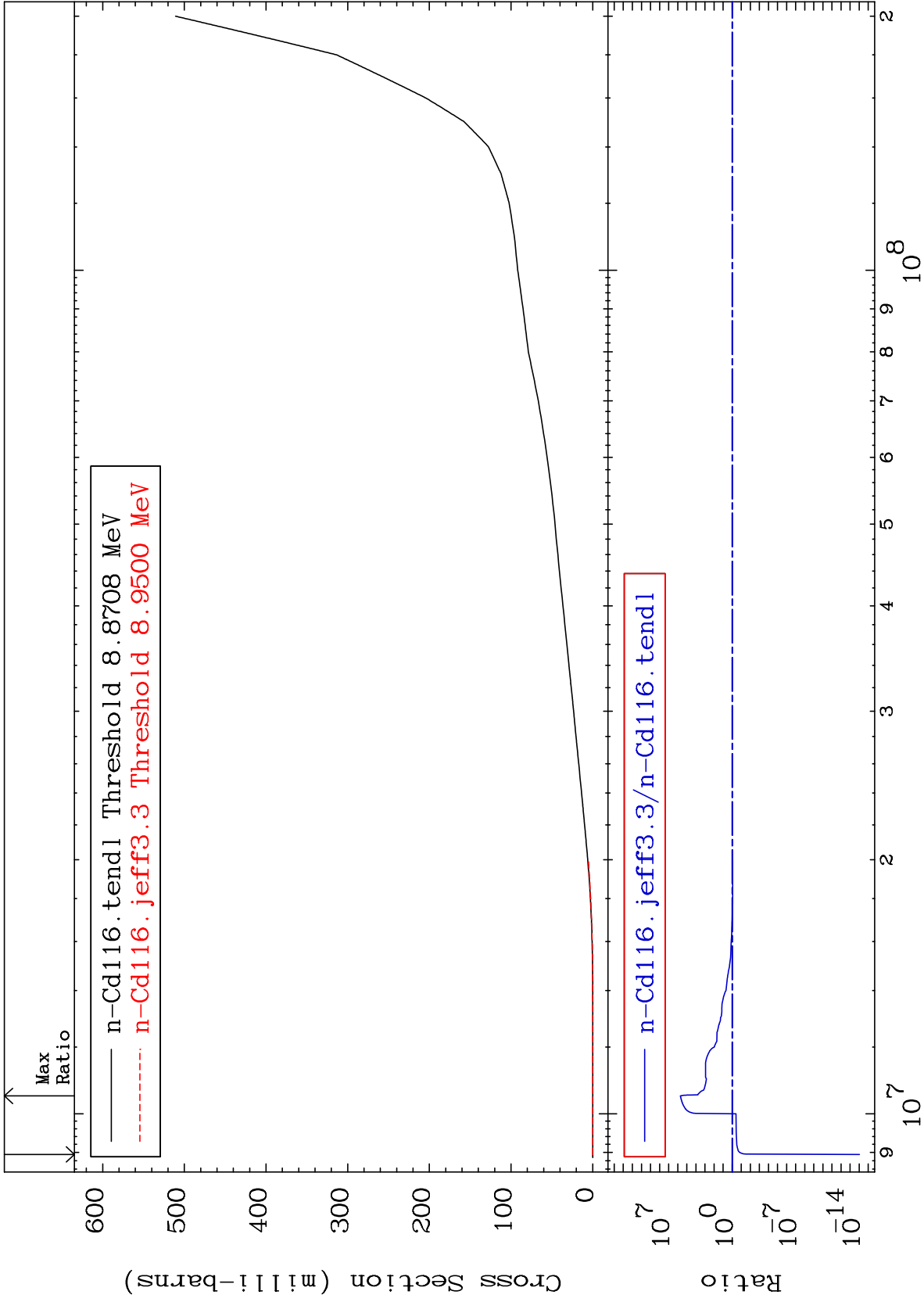
48-Cd-116



MAT 4855

Deuterium Production  
Cross Section

48-Cd-116  
-100.0 To 9999. %

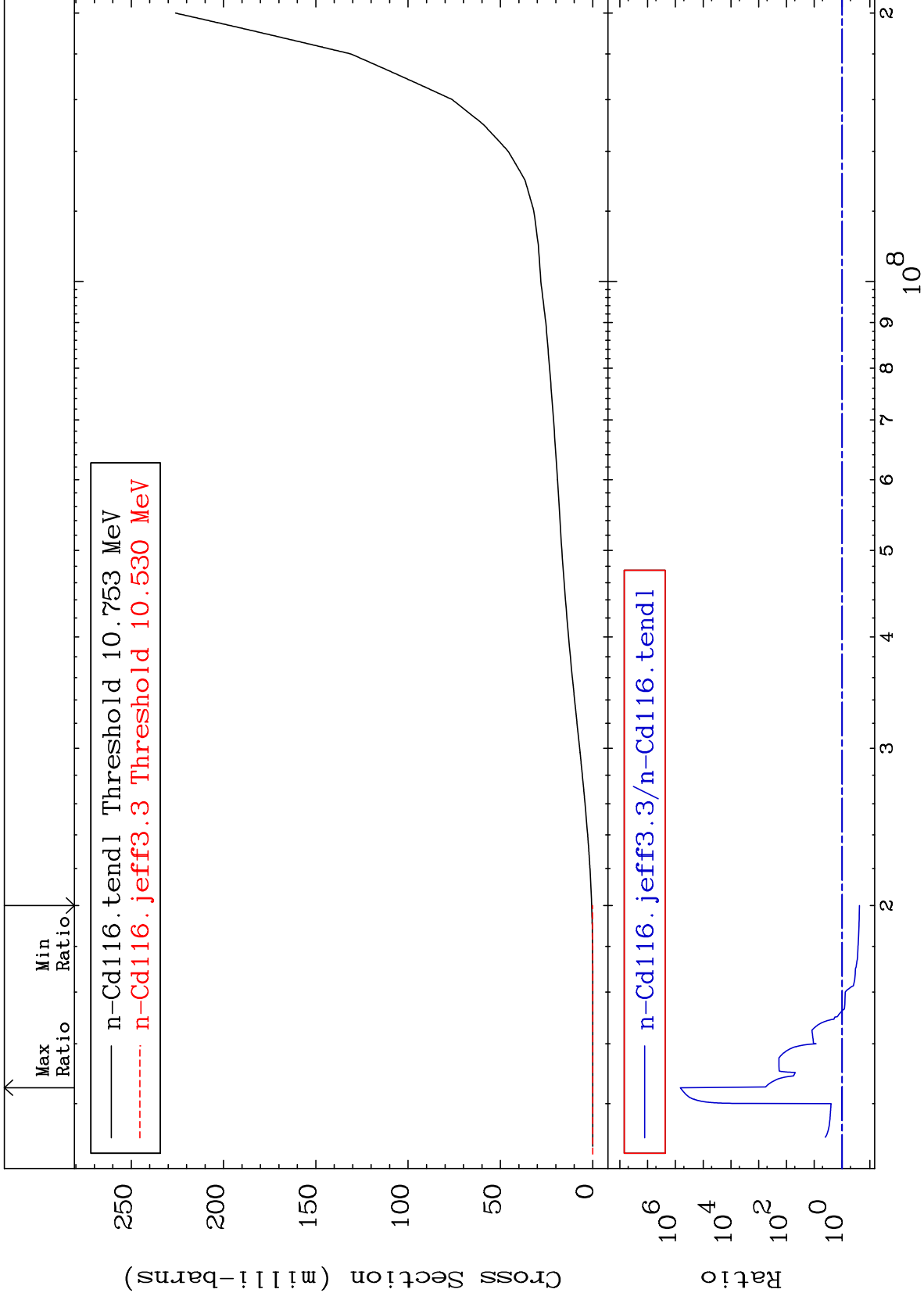


24

Incident Energy (eV)

48-Cd-116

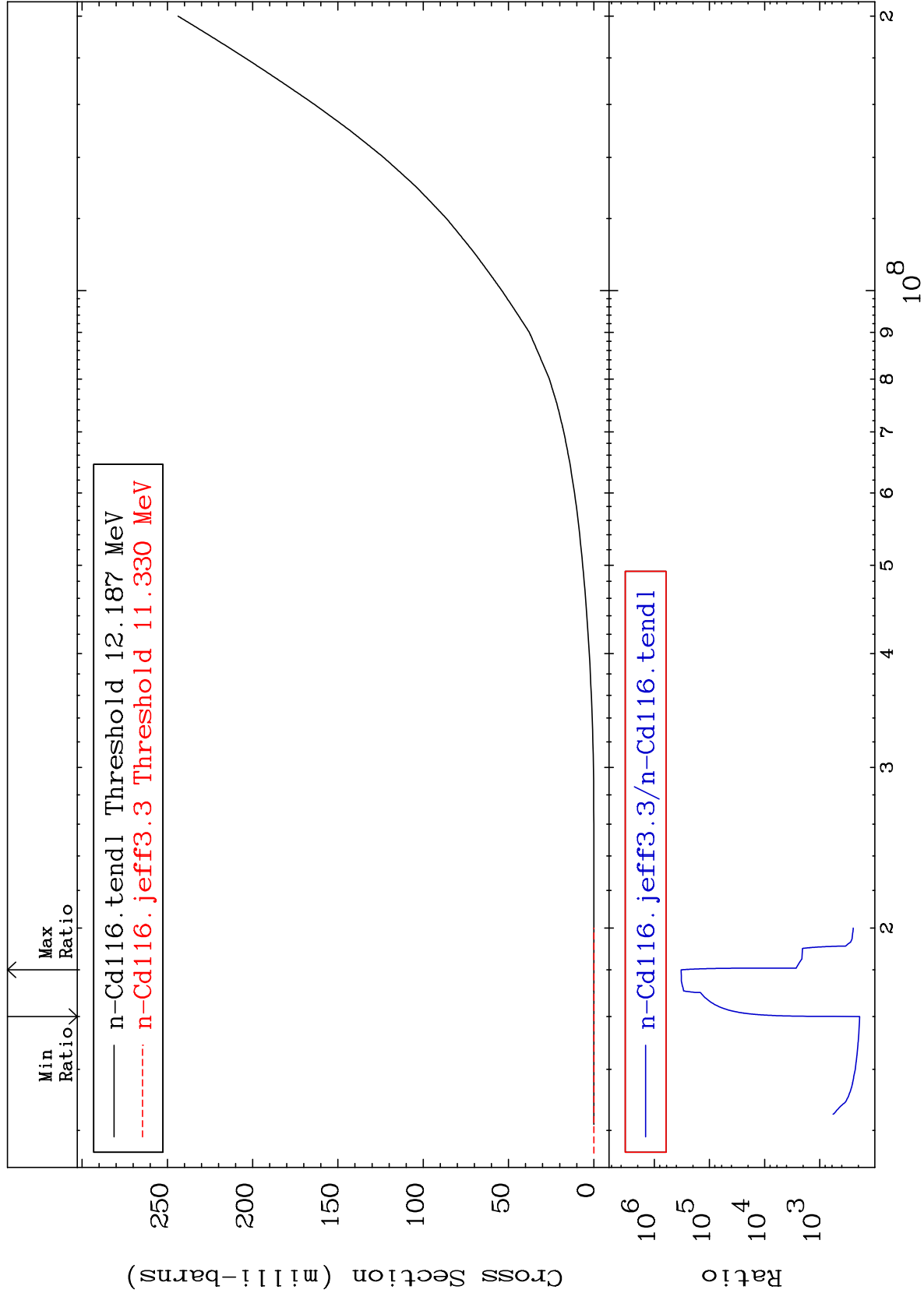




MAT 4855

He-3 Production  
Cross Section

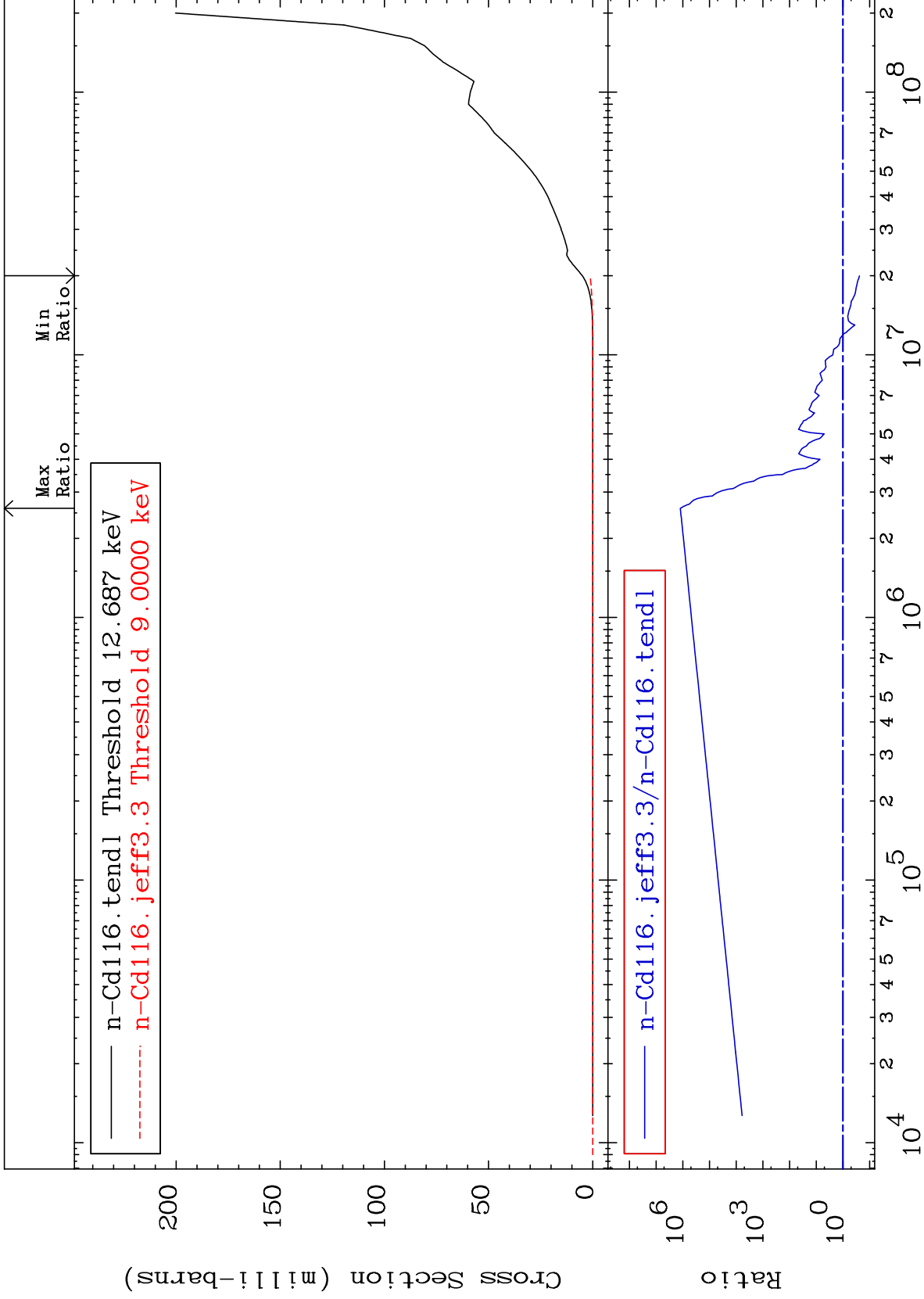
48-Cd-116  
9999. To 9999. %



MAT 4855

He-4 Production  
Cross Section

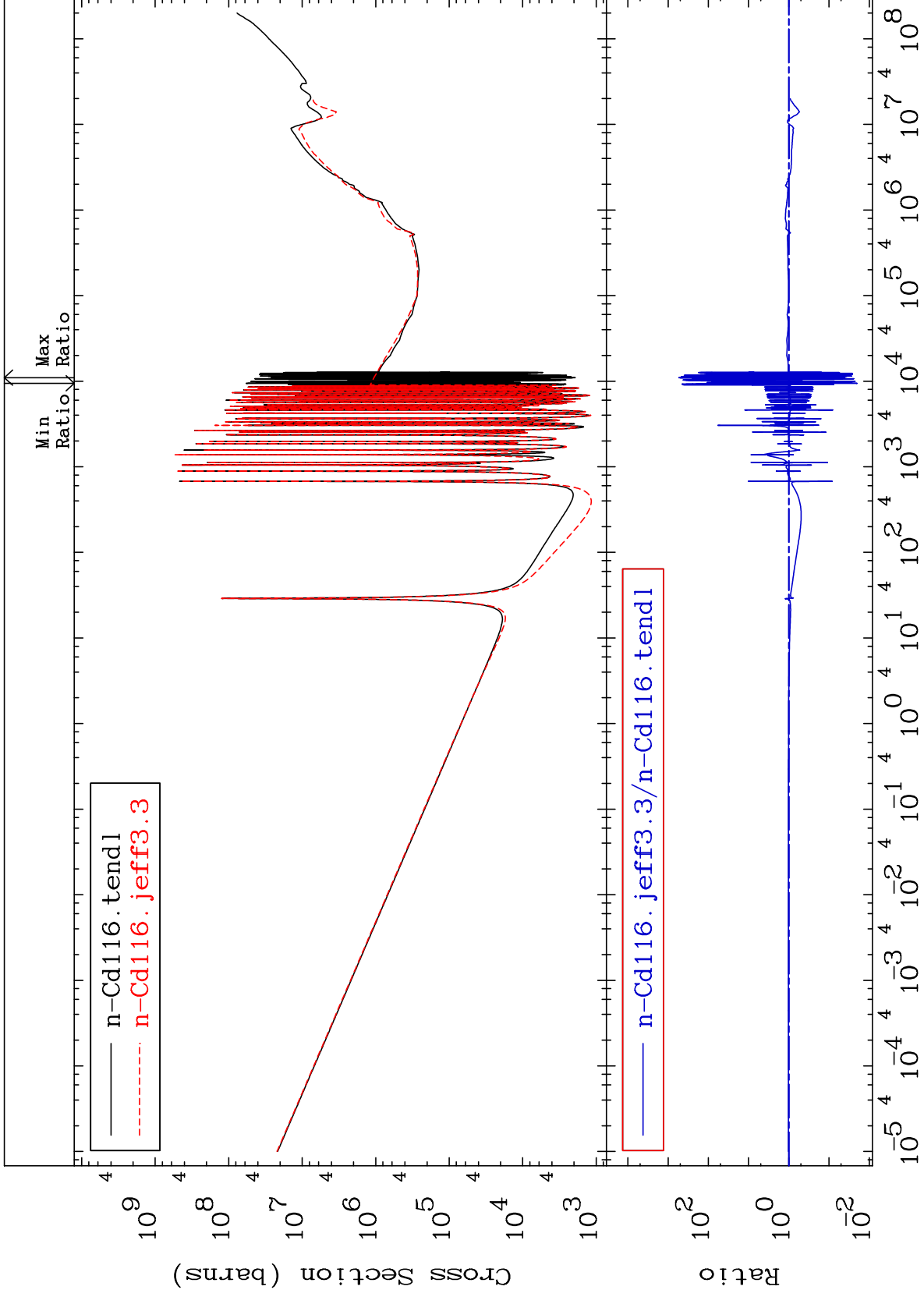
48-Cd-116  
-75.71 To 9999. %



27

Incident Energy (eV)

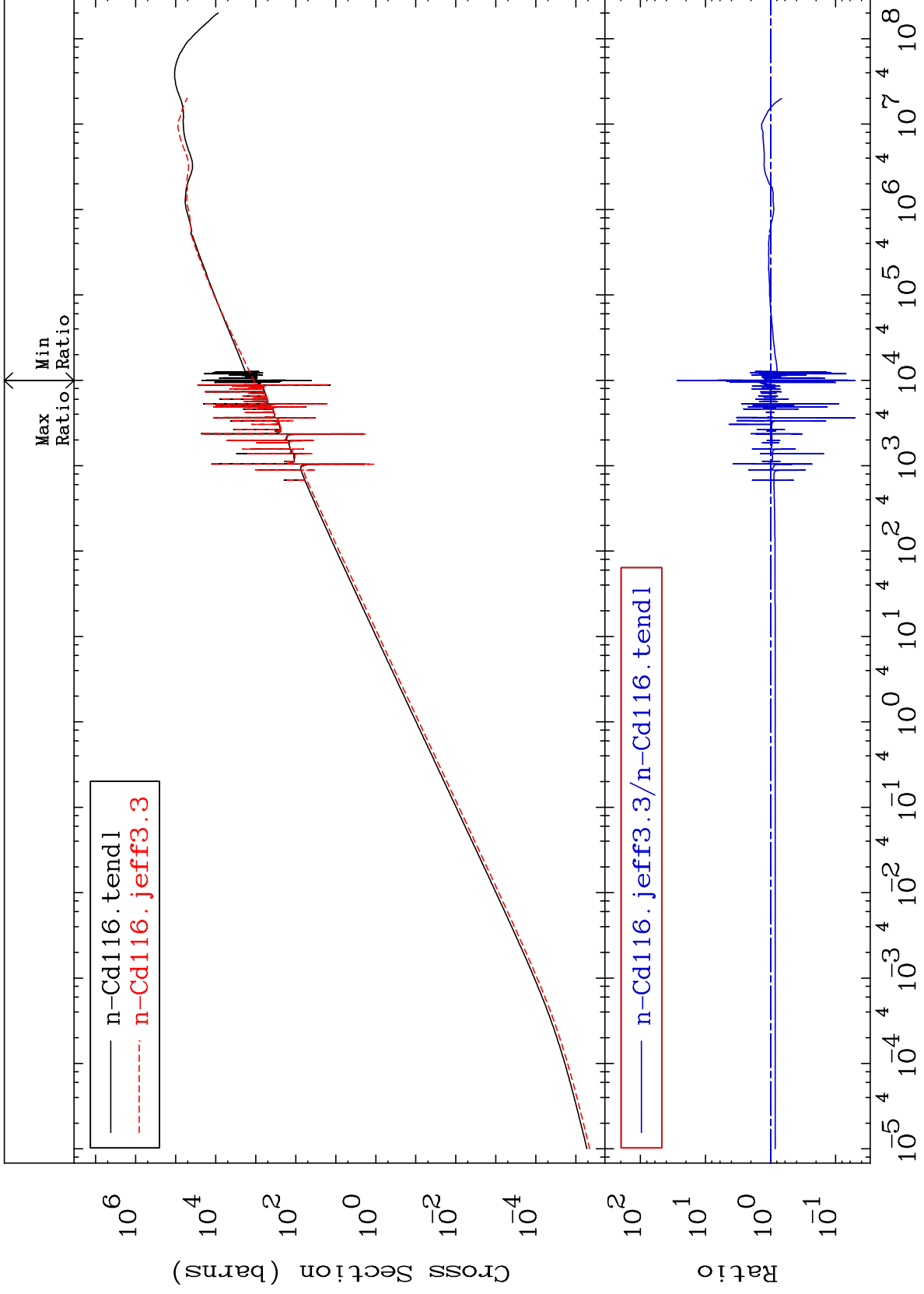
48-Cd-116



MAT 4855

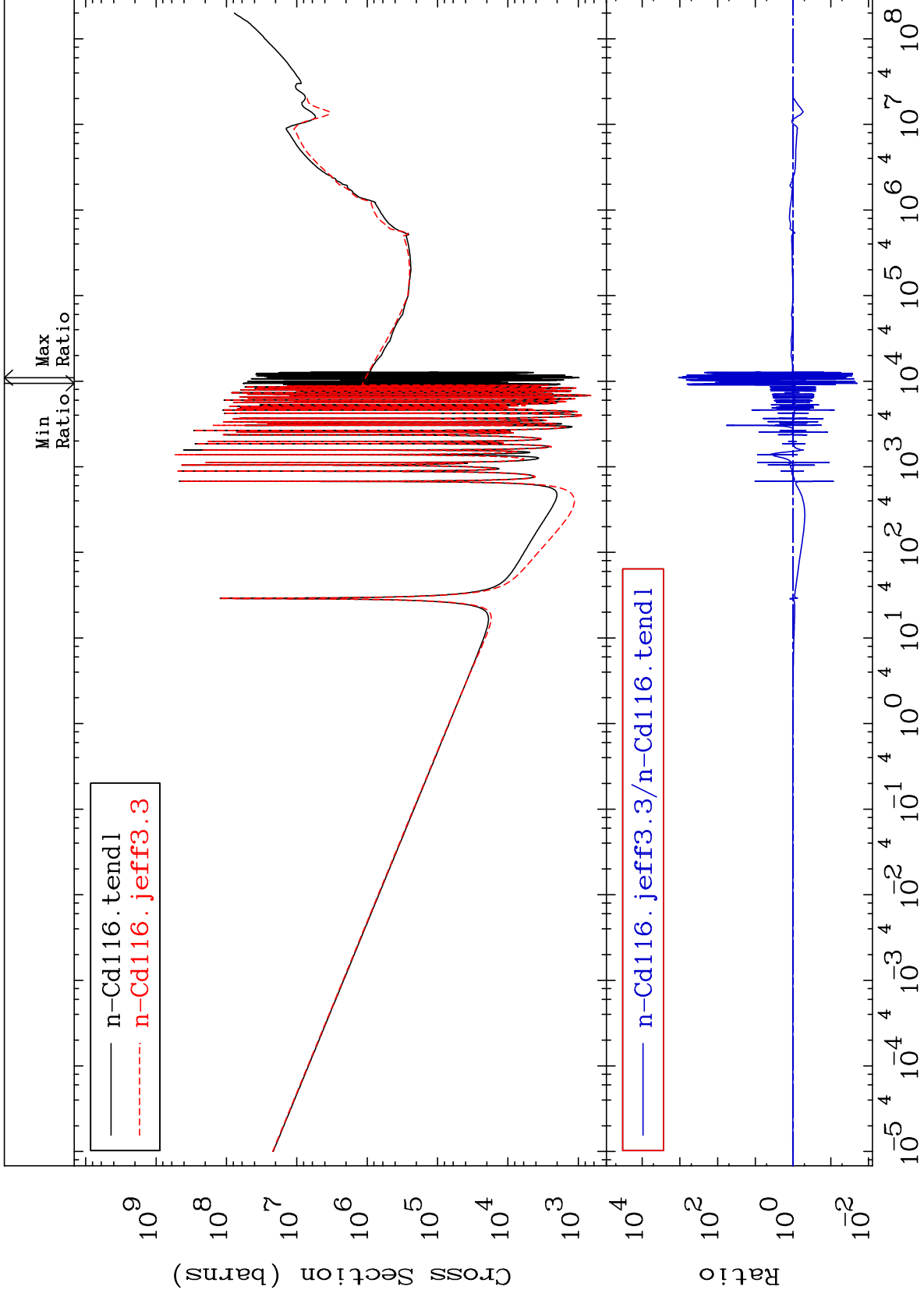
Kerma elastic  
Cross Section

48-Cd-116  
-94.97 To 2651. %



— n-Cd116.tendl  
- - - n-Cd116.jeff3.3

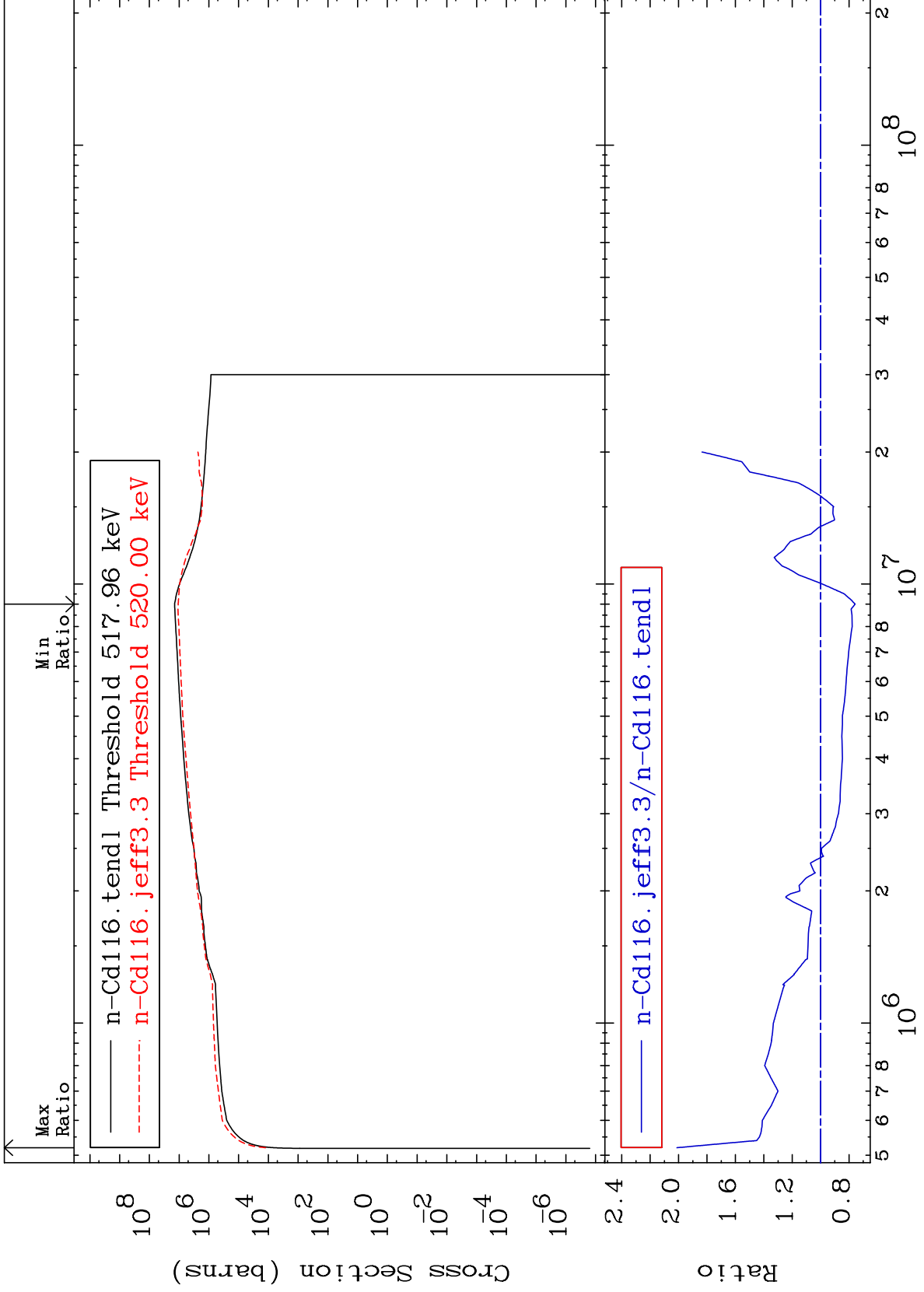
— n-Cd116.jeff3.3/n-Cd116.tendl



MAT 4855

Kerma inelastic (mt51-91)  
Cross Section

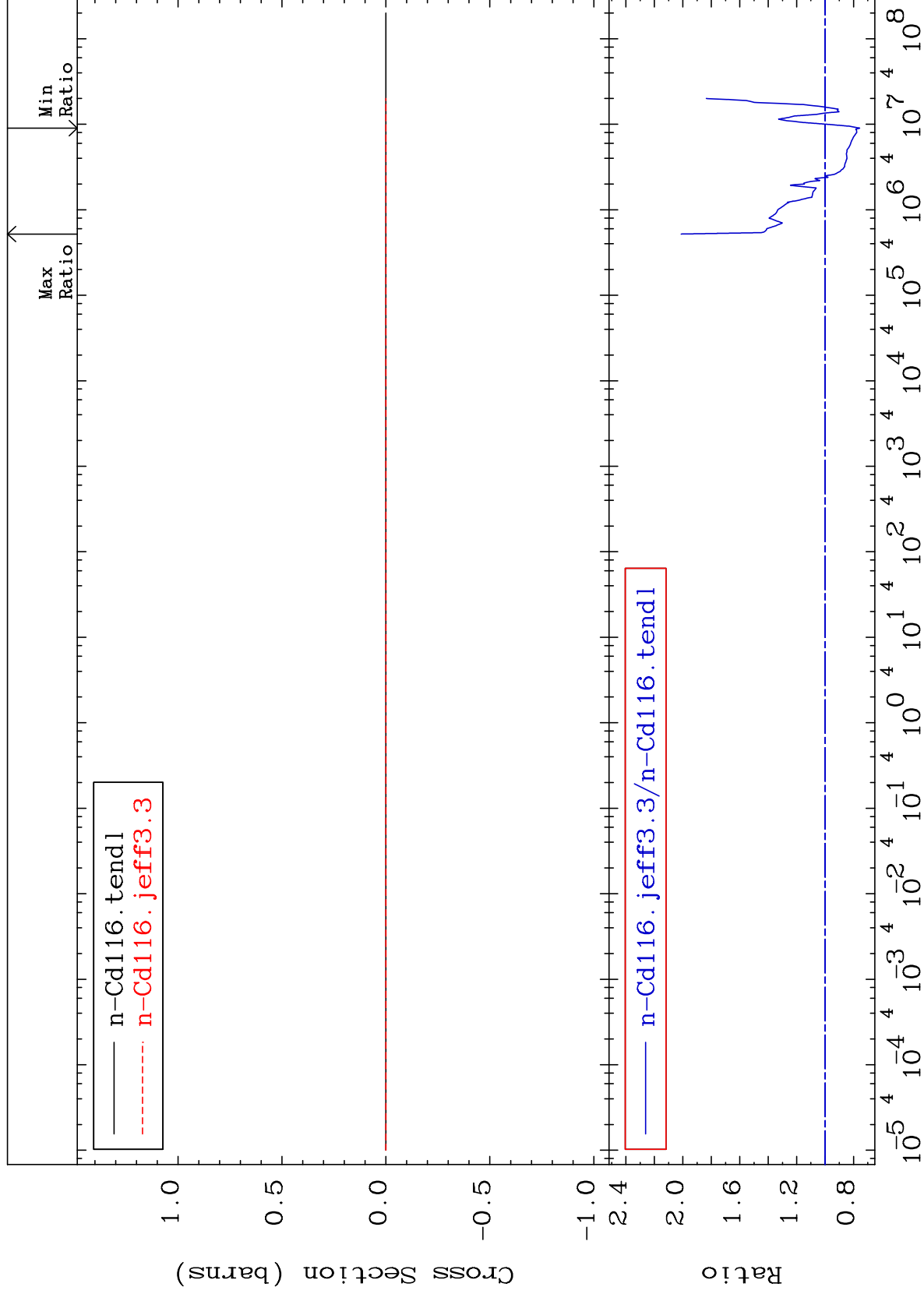
48-Cd-116  
-24.26 To 101.2 %



MAT 4855

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

48-Cd-116  
-24.26 To 101.2 %



32

Incident Energy (eV)

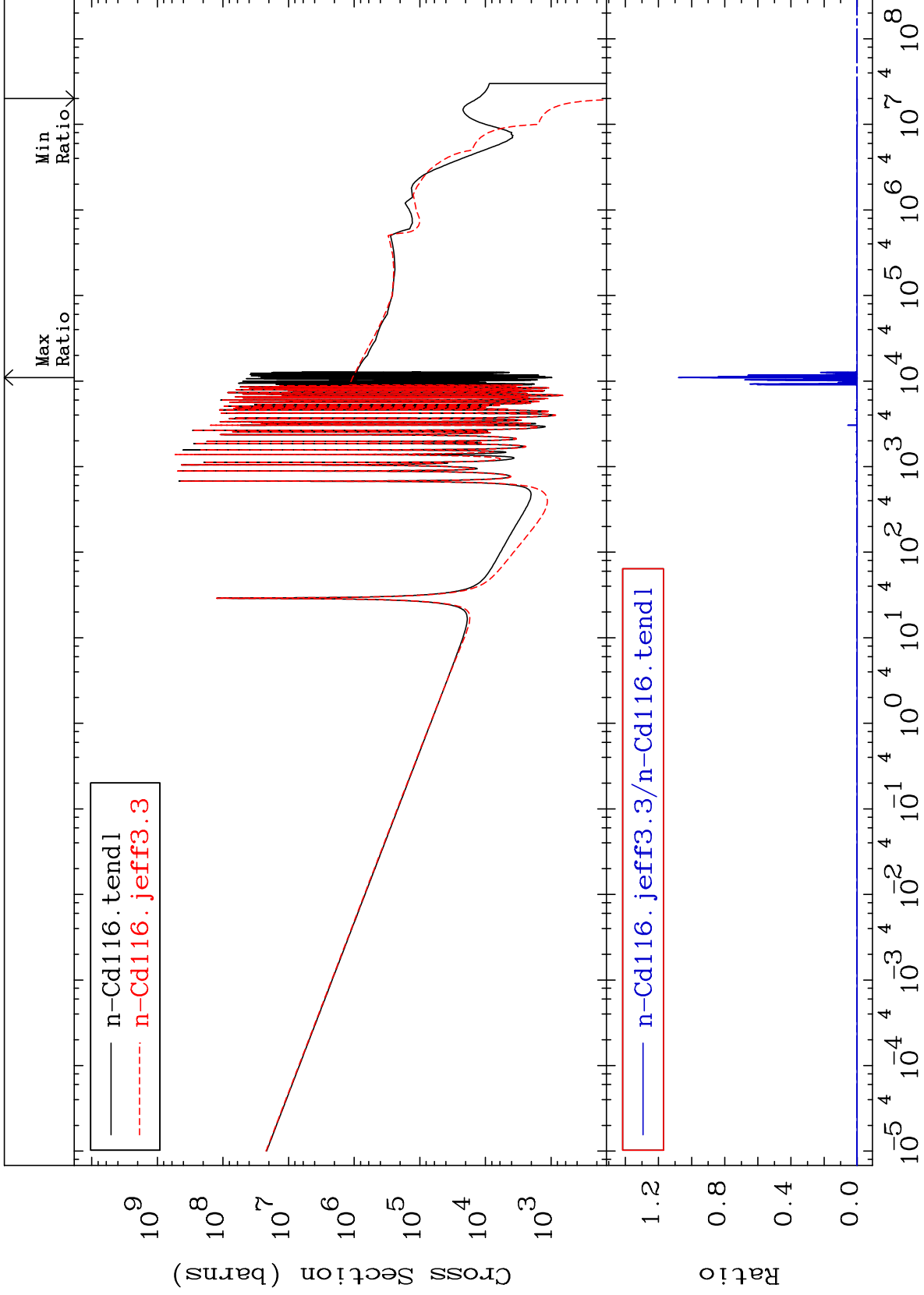
48-Cd-116



MAT 4855

Kerma capture (mt102)  
Cross Section

48-Cd-116  
-100.0 To 9999. %



Incident Energy (eV)

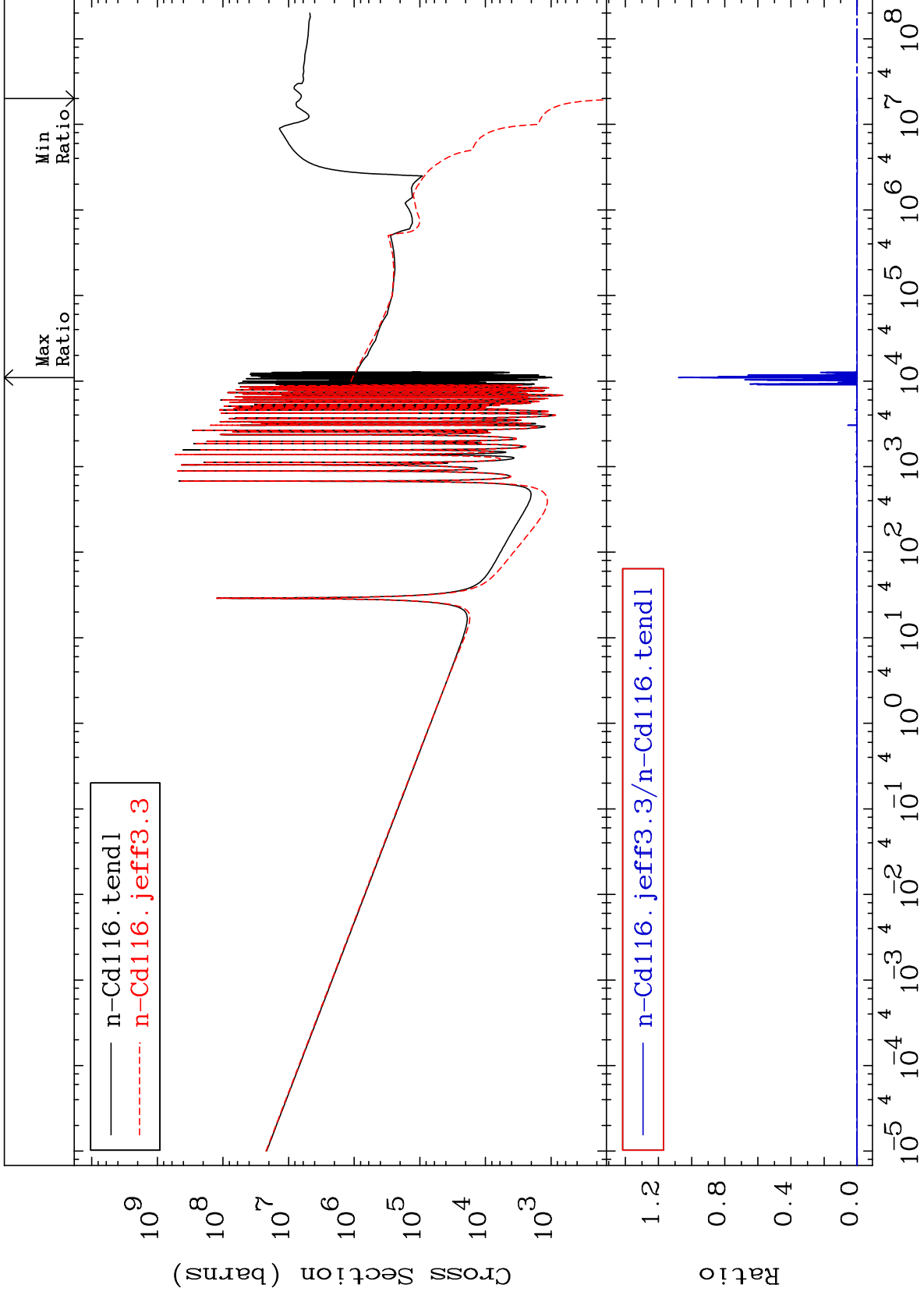
48-Cd-116

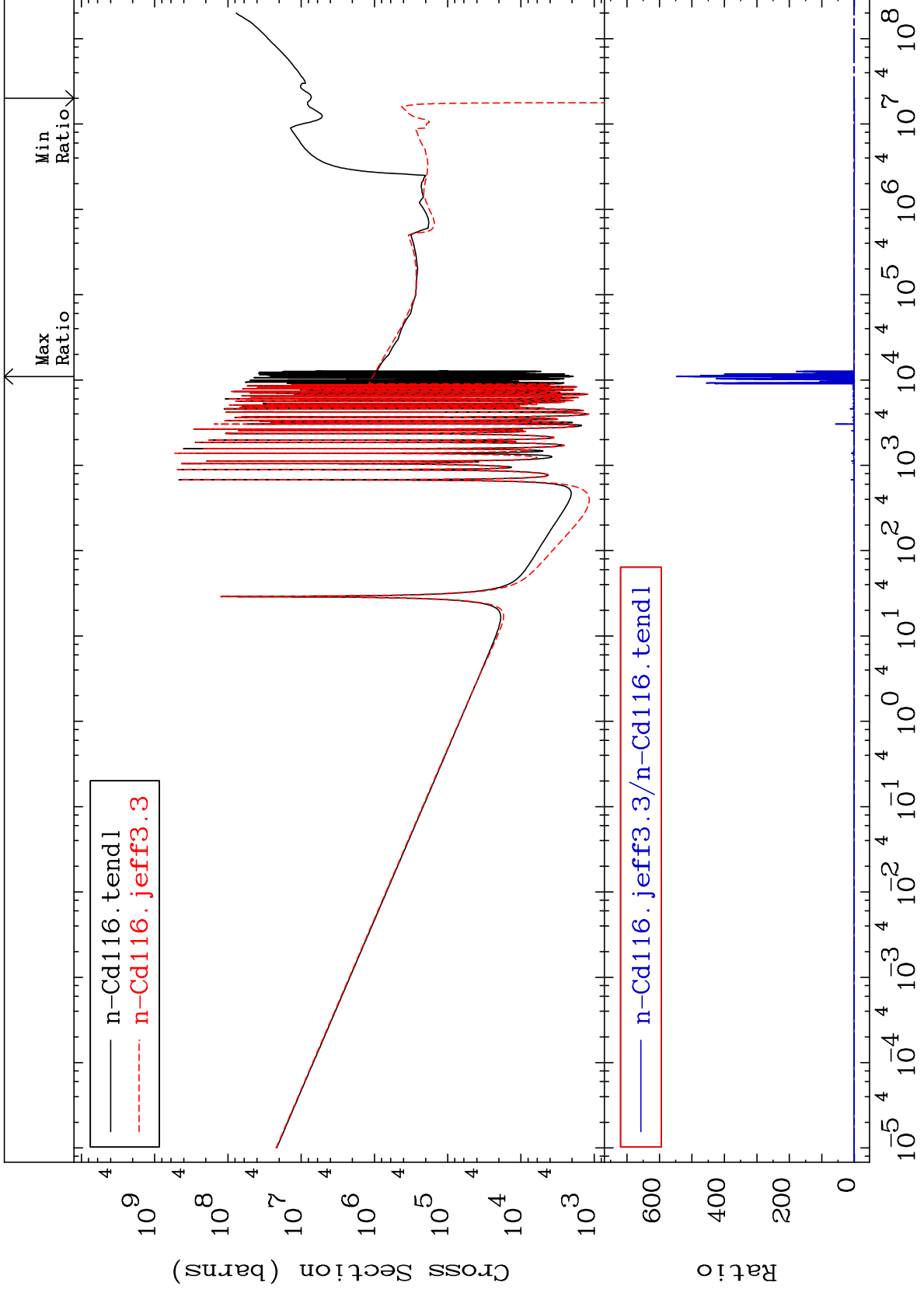
33

MAT 4855

Total photon (eV-barns)  
Cross Section

48-Cd-116  
-100.0 To 9999. %

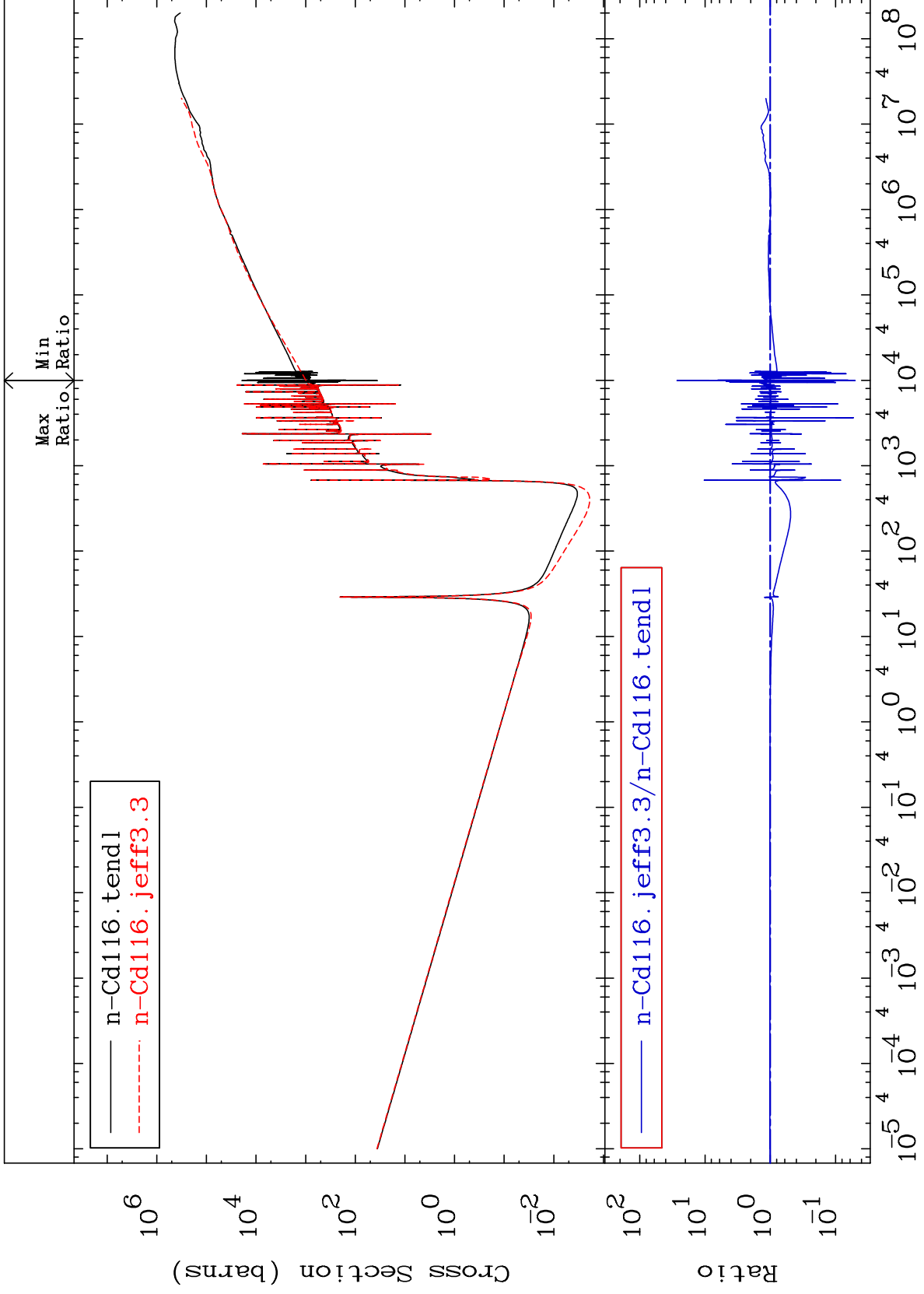




MAT 4855

Dpa total (eV-barns)  
Cross Section

48-Cd-116  
-94.97 To 2595. %



MAT 4855

Dpa elastic (mt2)  
Cross Section

48-Cd-116  
-94.98 To 9999. %

