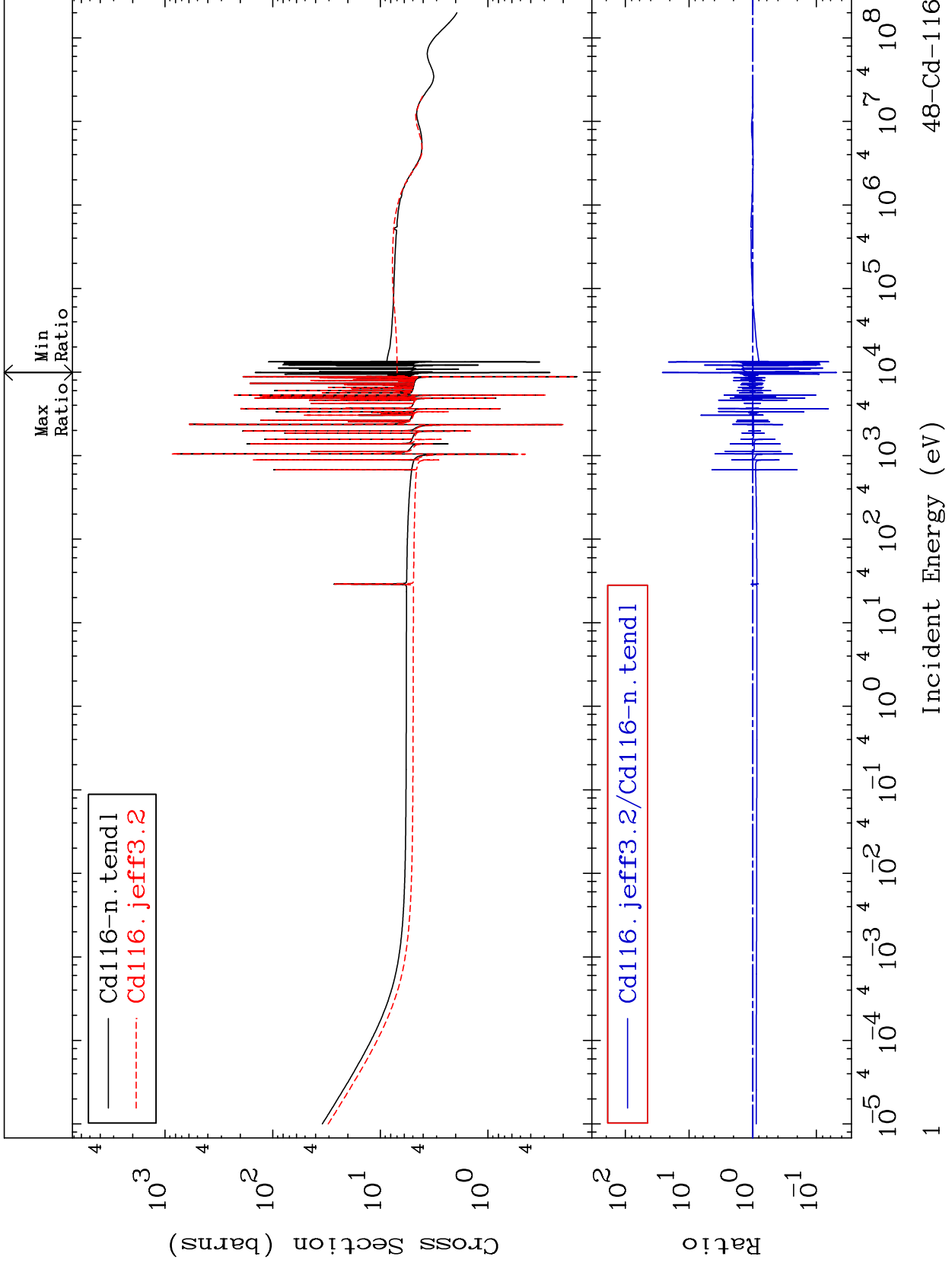


MAT 4855

Total  
Cross Section

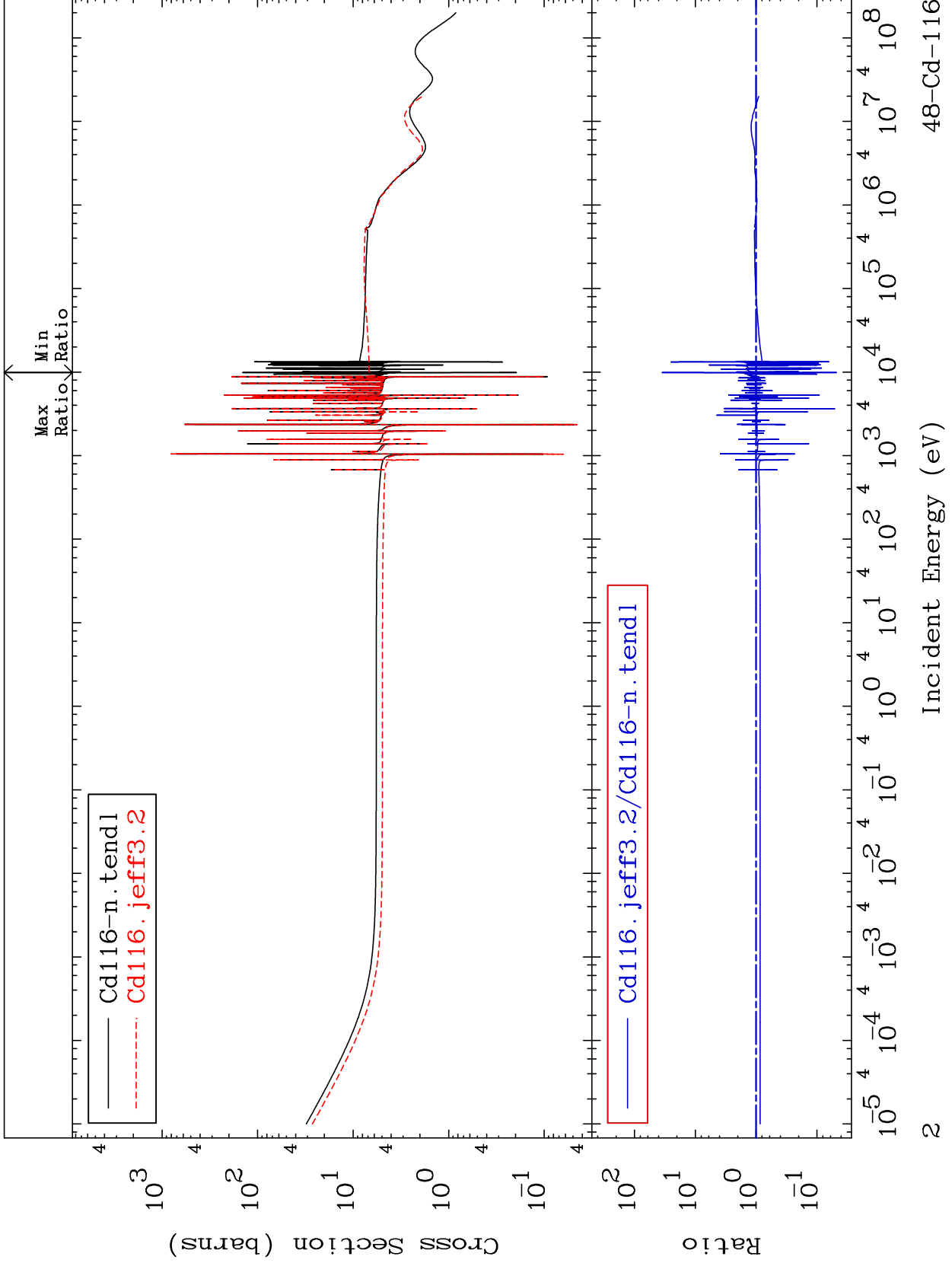
48-Cd-116  
-95.19 To 2529. %



MAT 4855

Elastic  
Cross Section

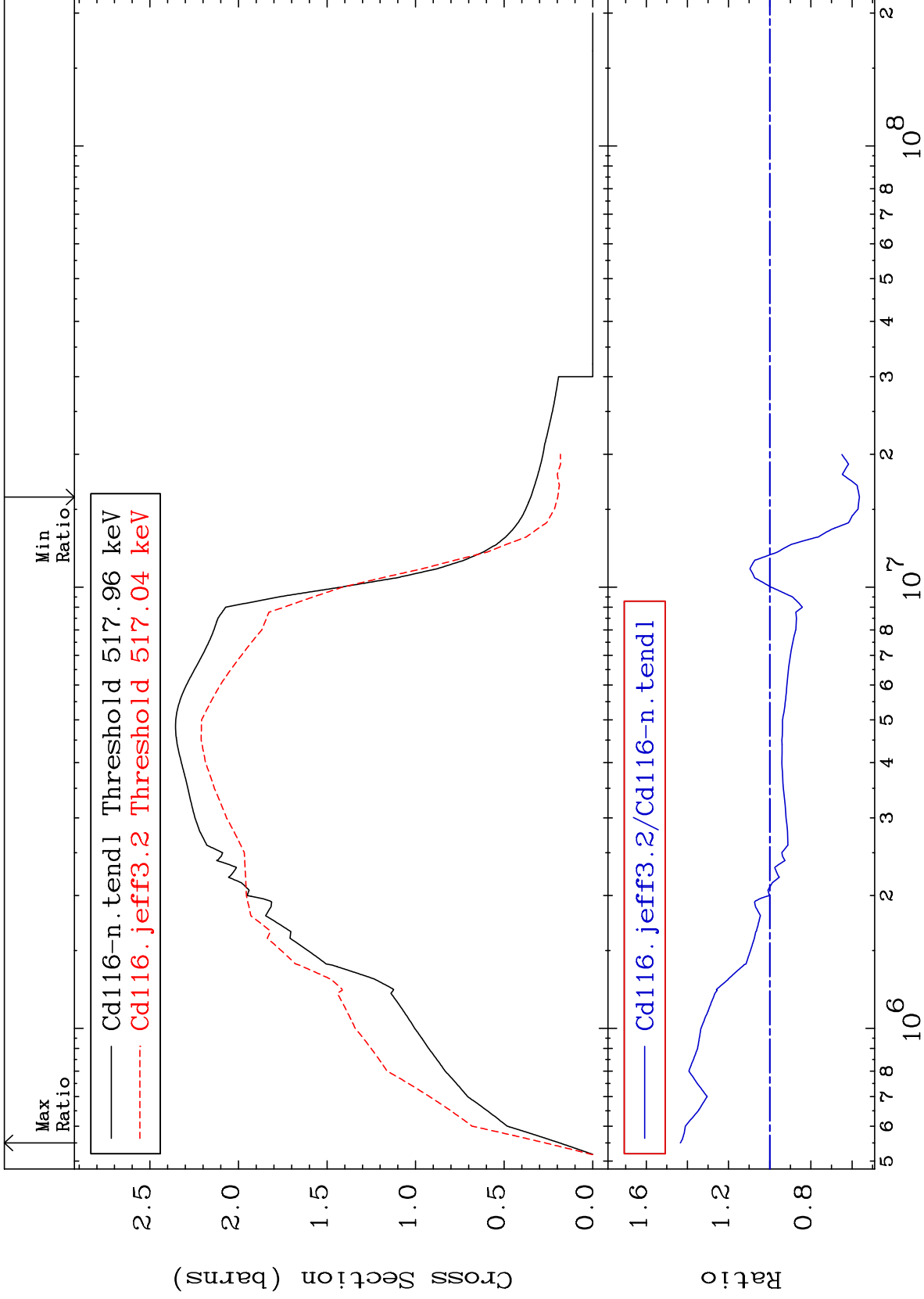
48-Cd-116  
-95.25 To 3382. %



MAT 4855

Inelastic  
Cross Section

48-Cd-116  
-43.58 To 43.42 %



3

Incident Energy (eV)

48-Cd-116

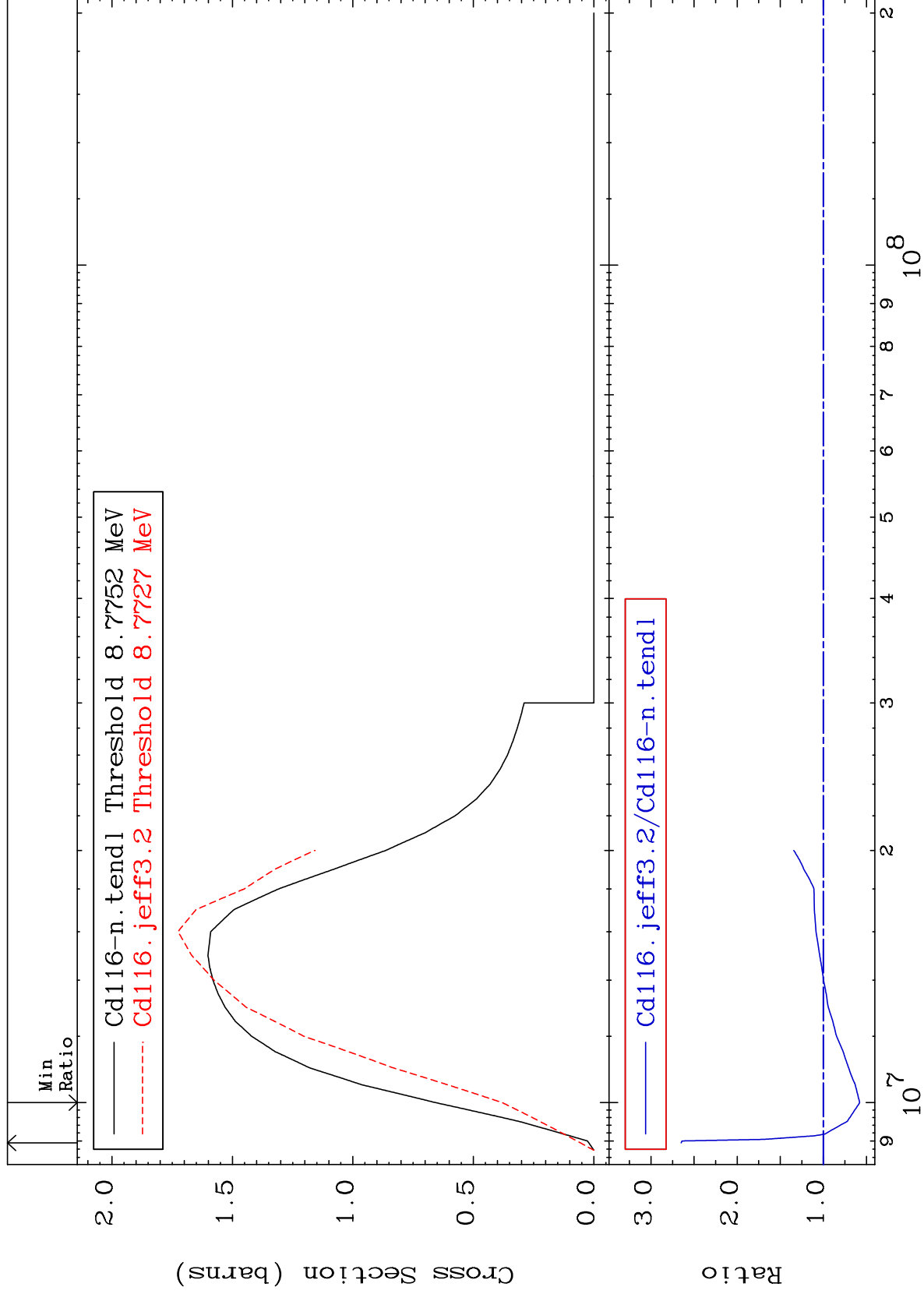
MAT 4855

(n,2n)

48-Cd-116

Cross Section

-42.14 To 164.9 %



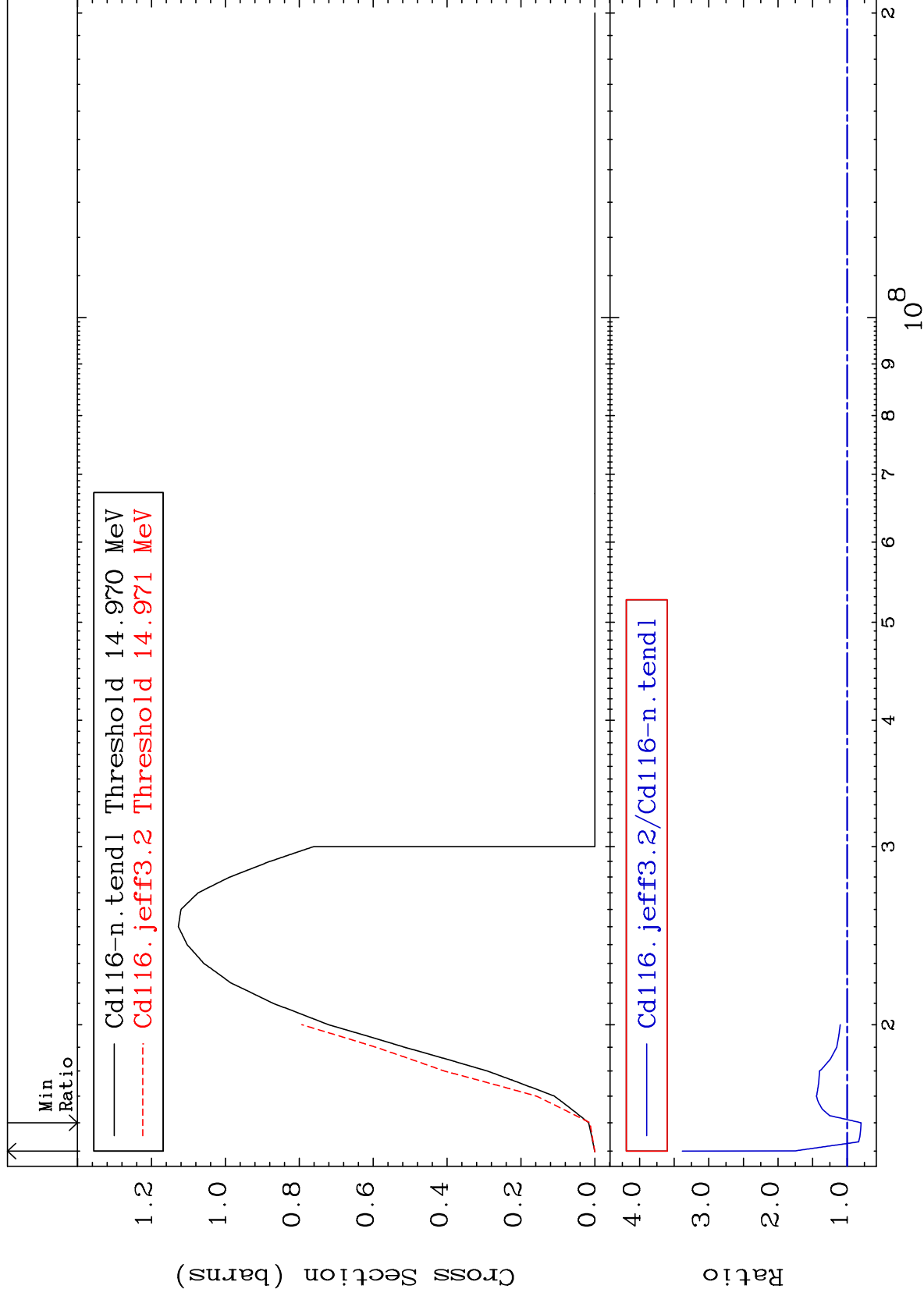
Incident Energy (eV)

48-Cd-116

MAT 4855

(n,3n)  
Cross Section

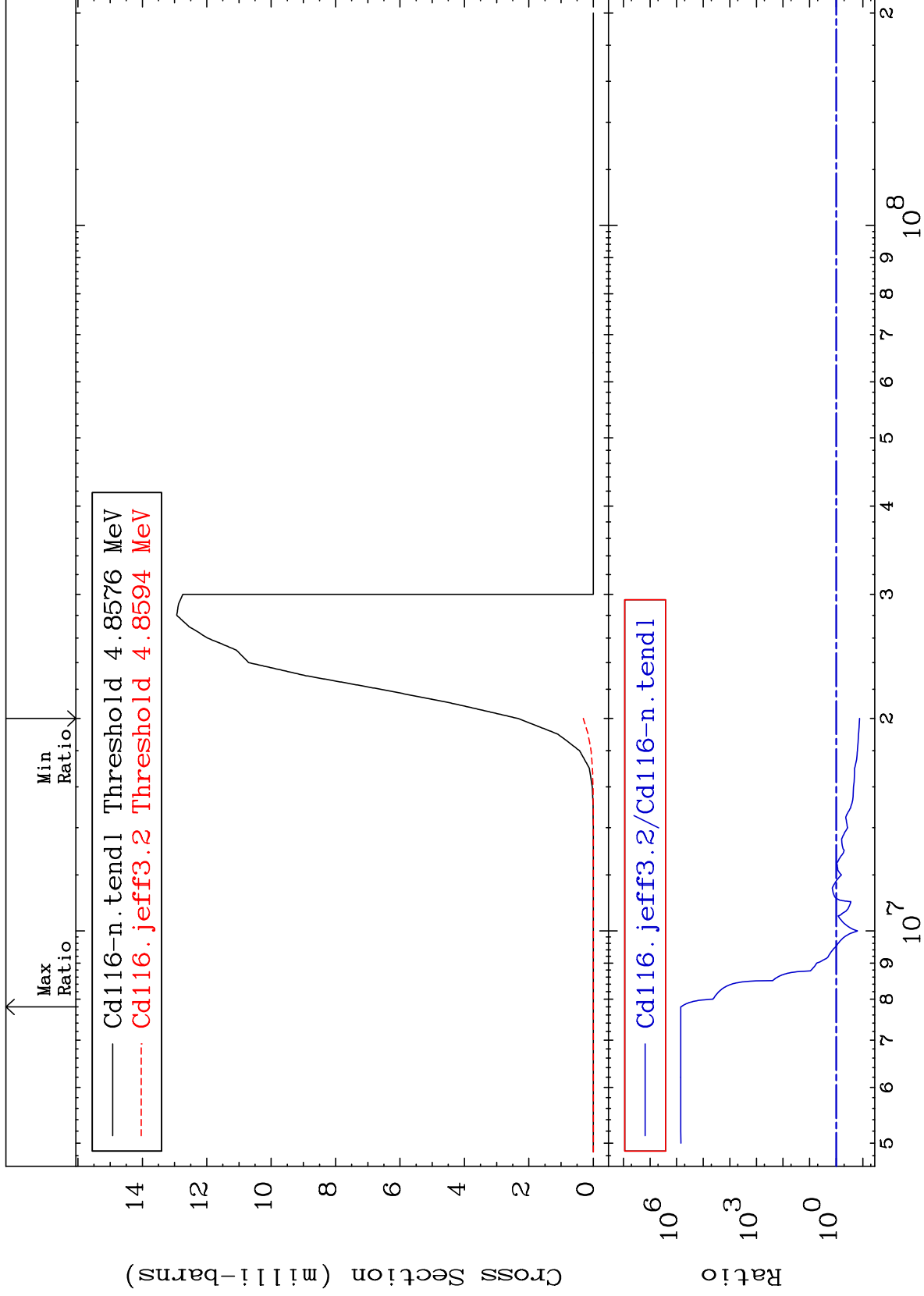
48-Cd-116  
-20.10 To 238.2 %



MAT 4855

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

48-Cd-116  
-86.77 To 9999. %



6

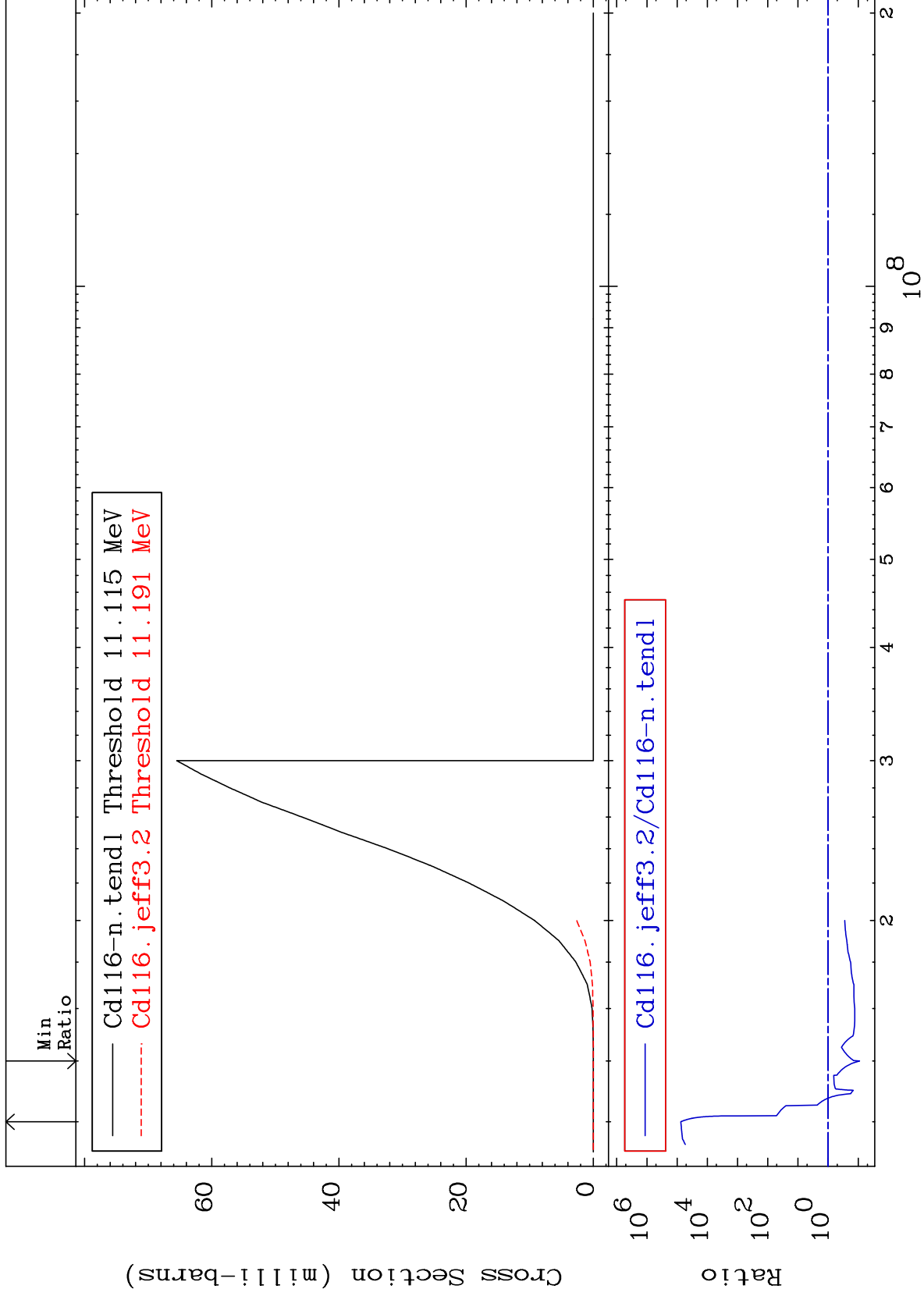
Incident Energy (eV)

48-Cd-116

MAT 4855

(n,n') p  
Cross Section

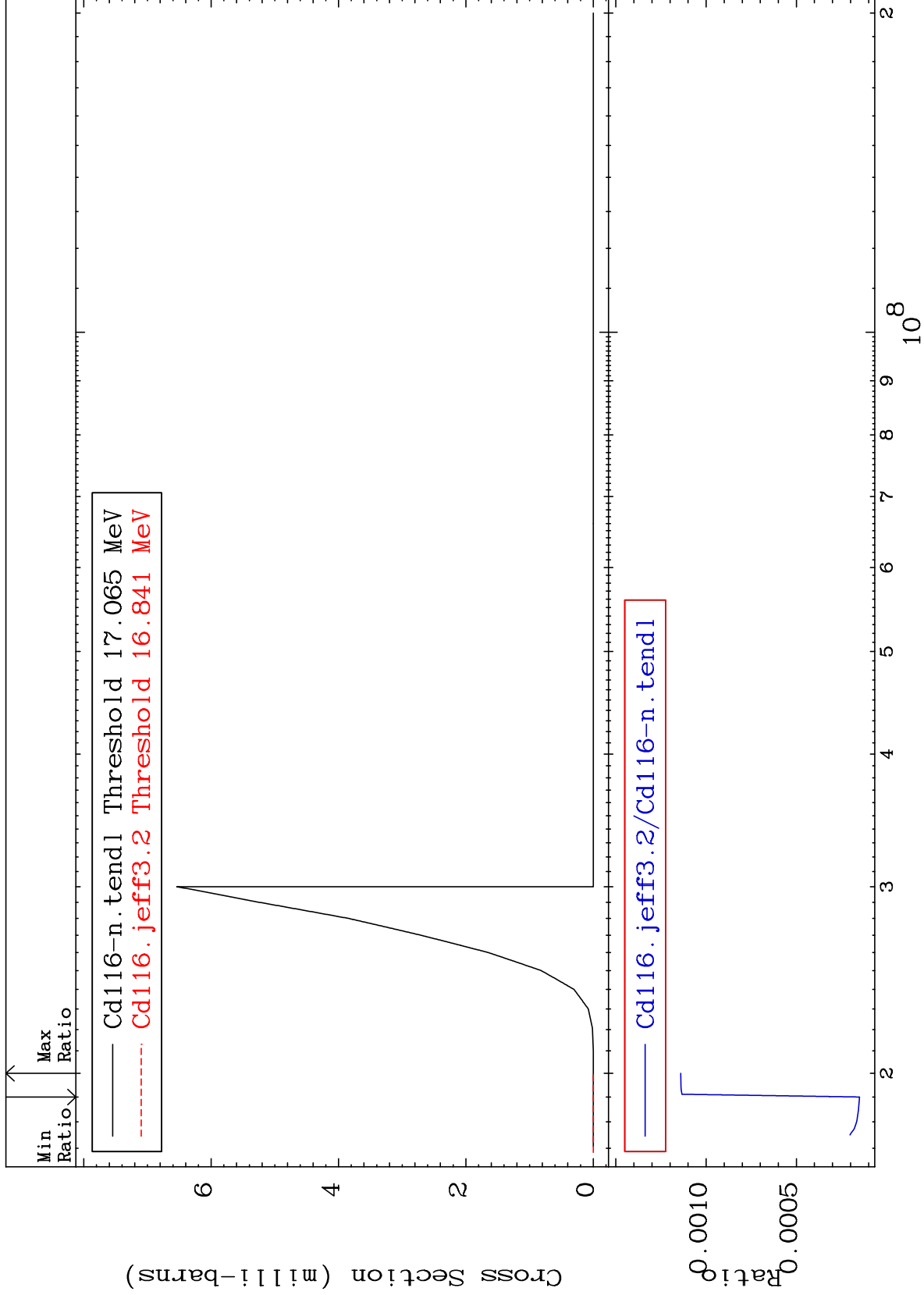
48-Cd-116  
-90.91 To 9999. %



MAT 4855

(n,n') d  
Cross Section

48-Cd-116  
-99.98 To -99.89%

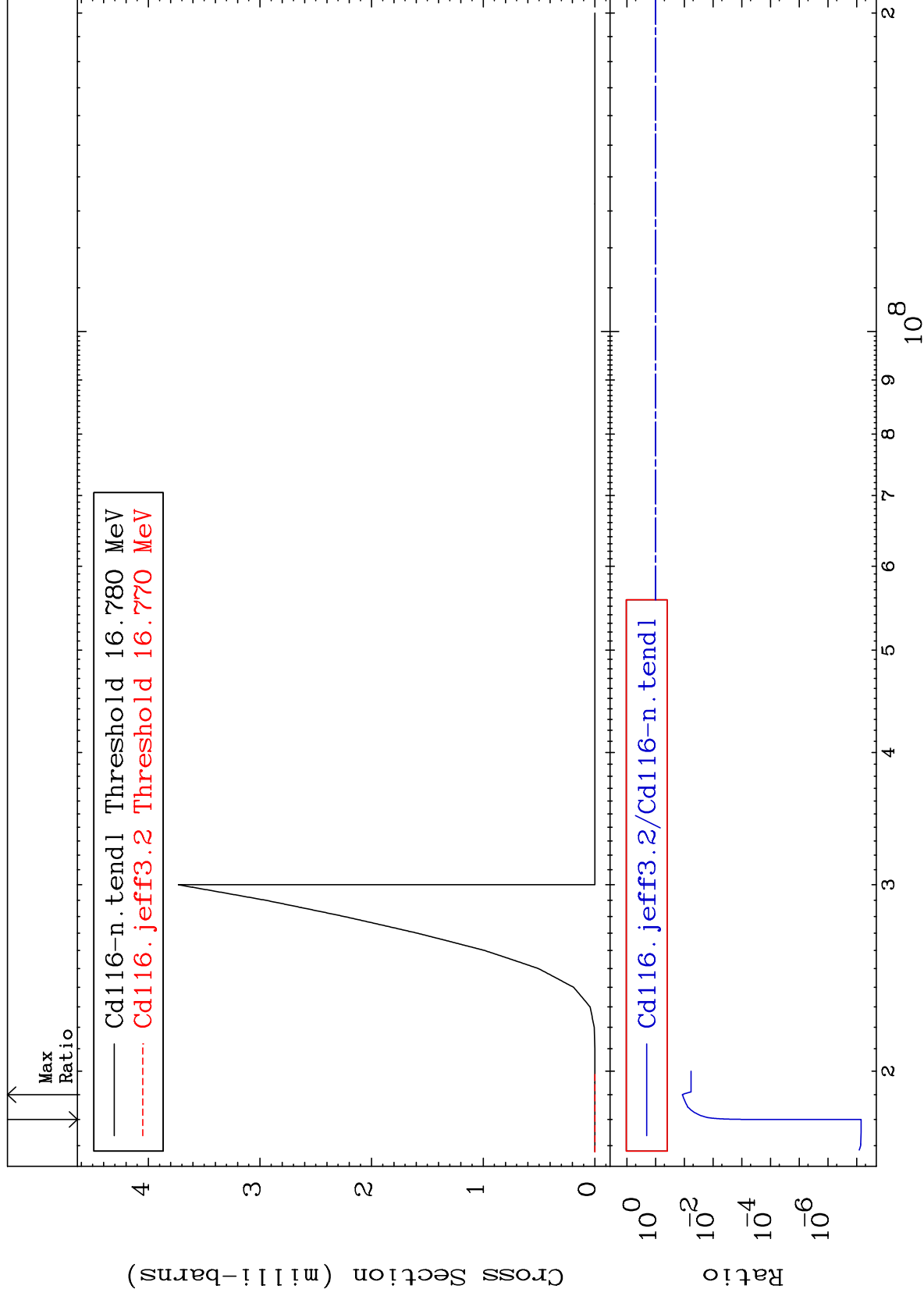




MAT 4855

(n,n') t  
Cross Section

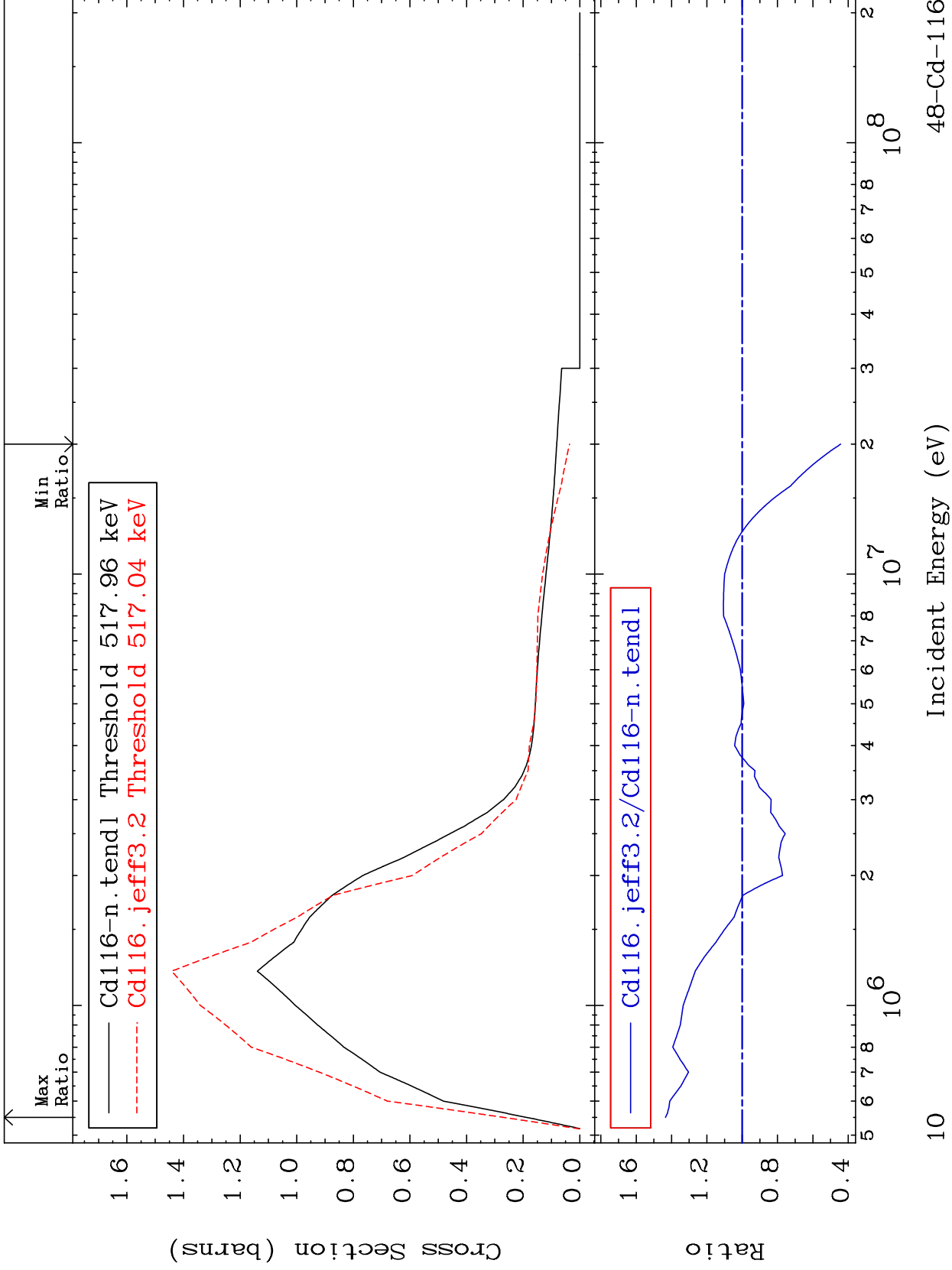
48-Cd-116  
-100.0 To -88.18%



MAT 4855

513.5 keV (n,n') Level  
Cross Section

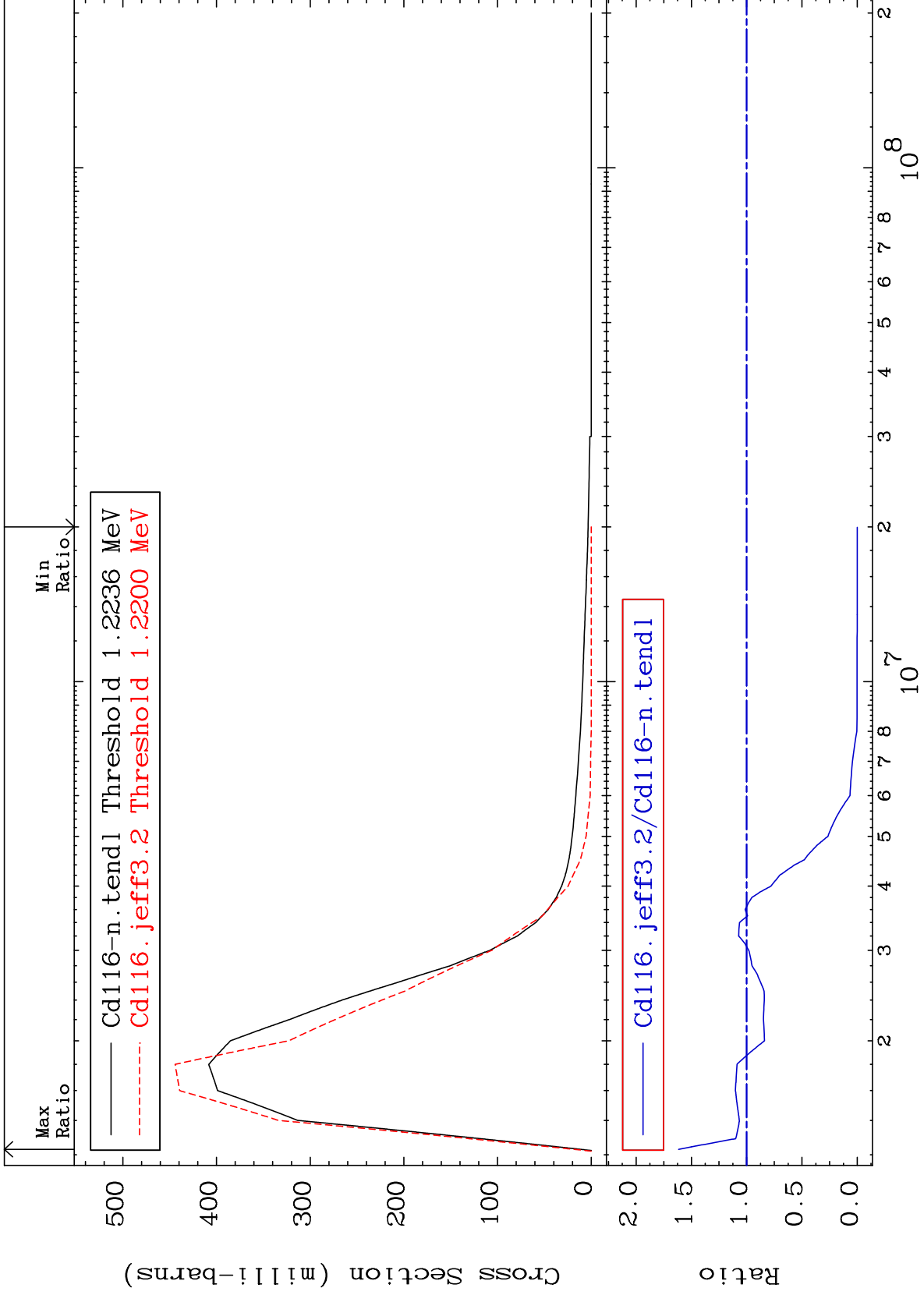
48-Cd-116  
-55.74 To 43.42 %



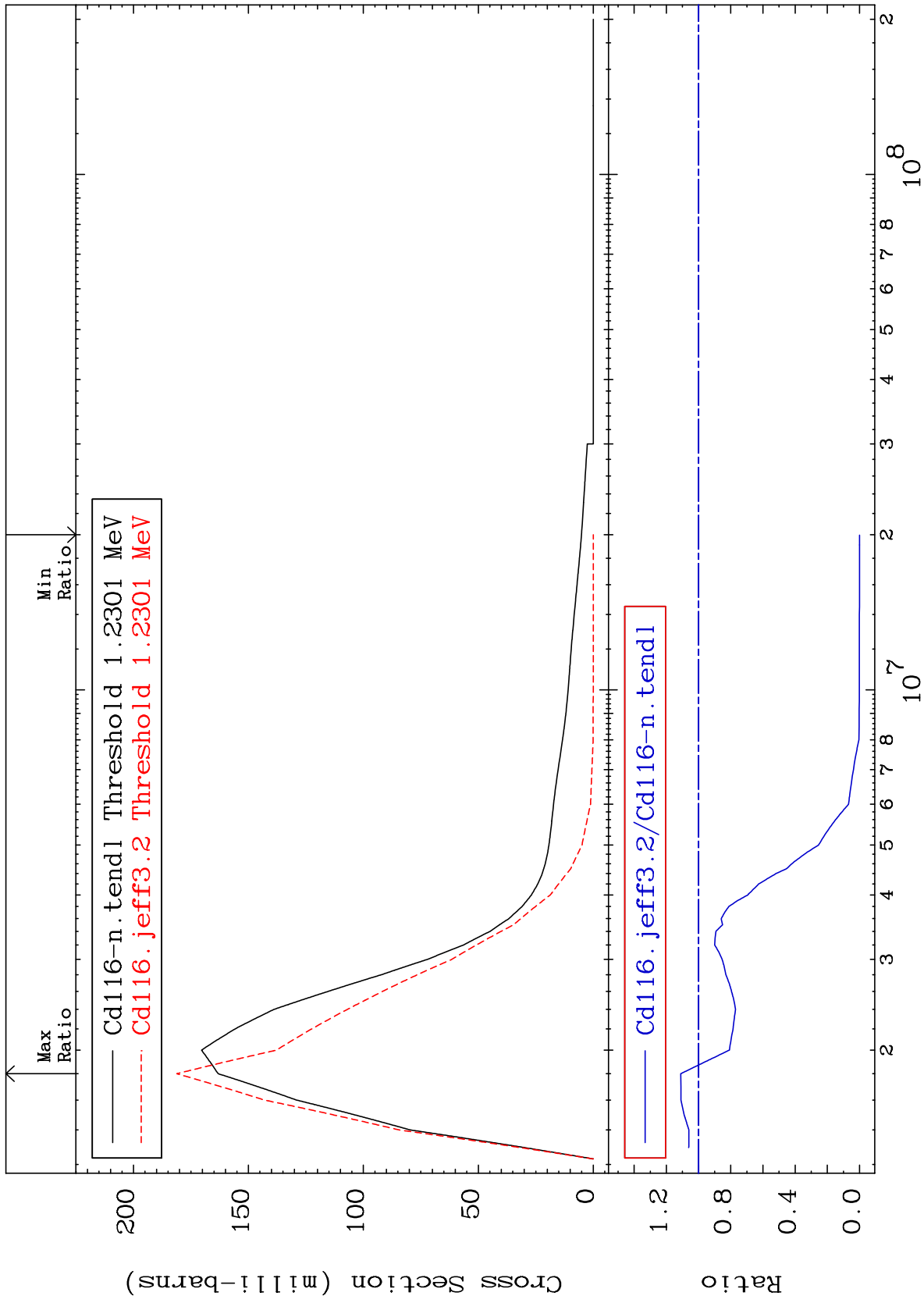
MAT 4855

1.213 MeV (n,n') Level  
Cross Section

48-Cd-116  
-100.0 To 61.53 %



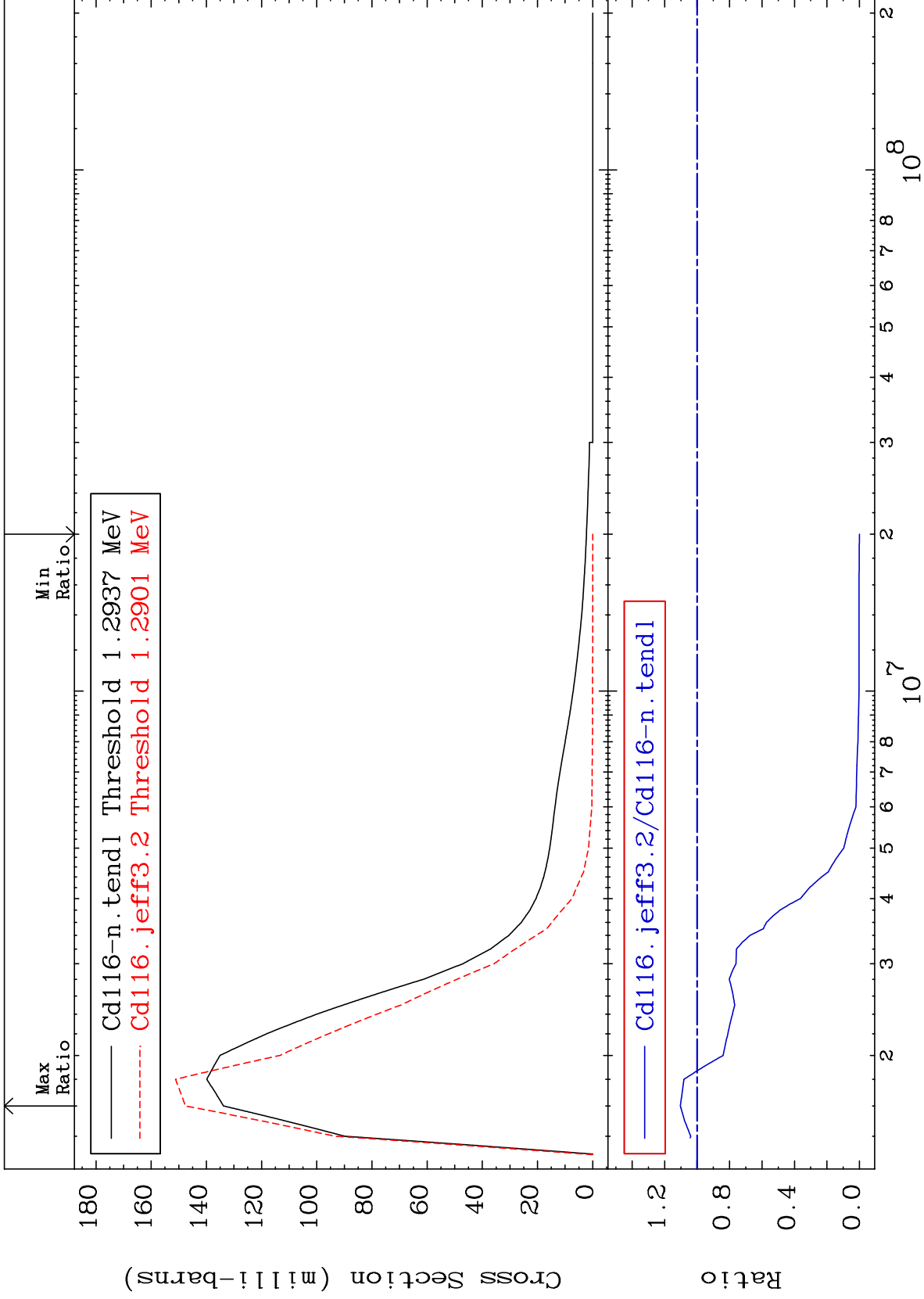
MAT 4855      1.219 MeV (n,n') Level      48-Cd-116  
 Cross Section      -100.0 To 11.03 %



MAT 4855

1.283 MeV (n,n') Level  
Cross Section

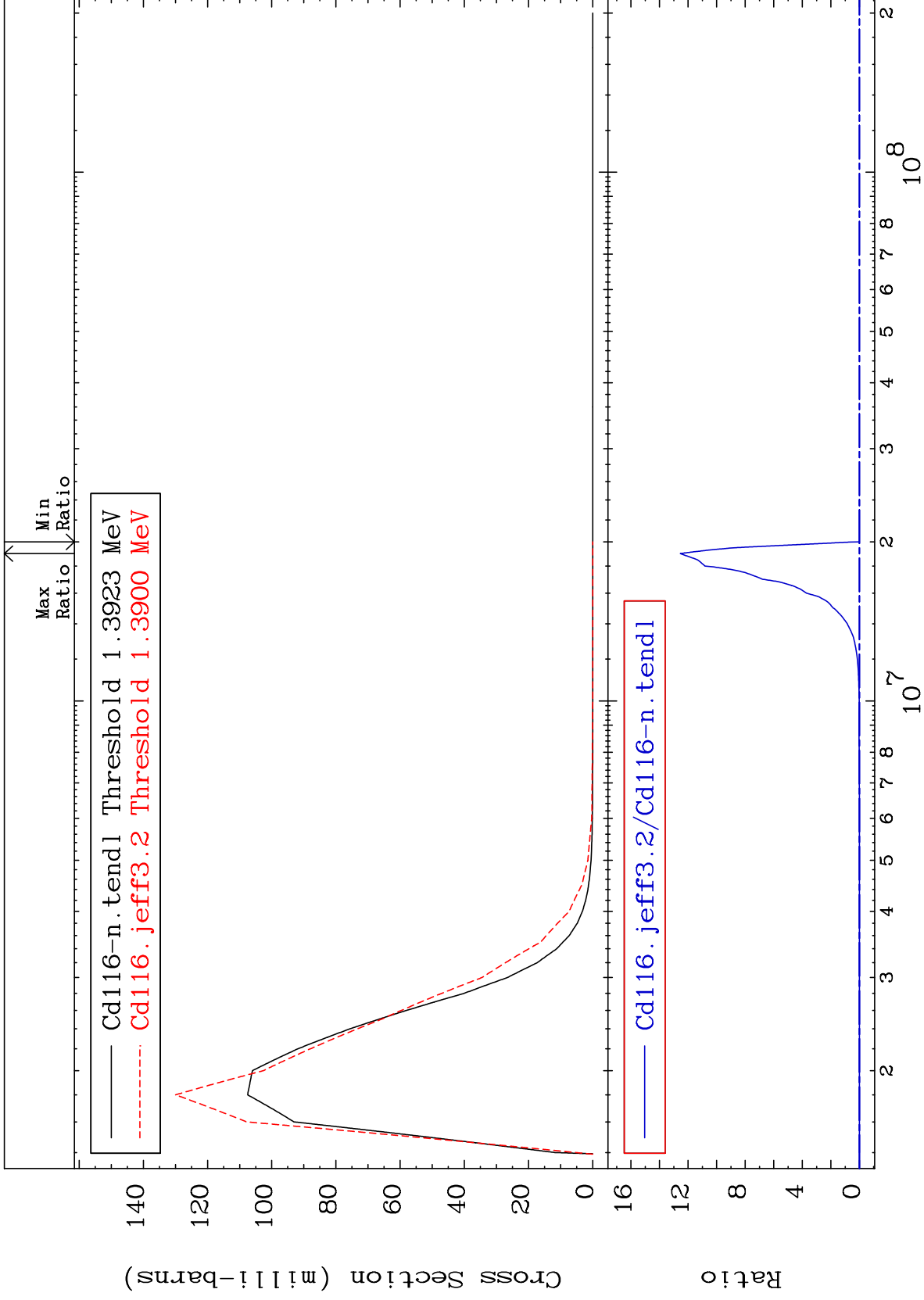
48-Cd-116  
-100.0 To 10.30 %



MAT 4855

1.380 MeV (n,n') Level  
Cross Section

48-Cd-116  
-100.0 To 9999. %



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Incident Energy (eV)

48-Cd-116

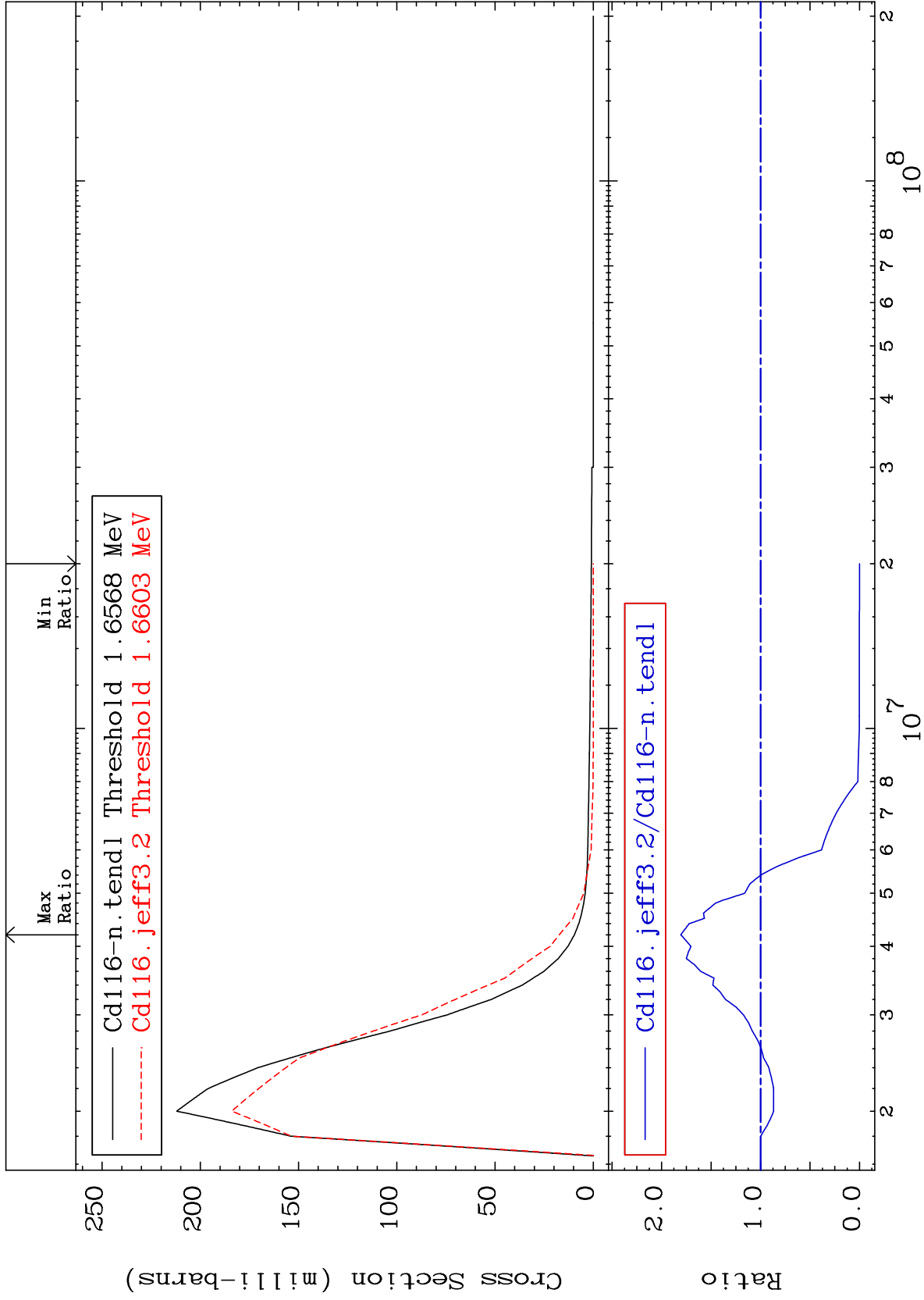
MAT 4855

1.642 MeV (n,n') Level

48-Cd-116

-100.0 To 80.61 %

Cross Section



15

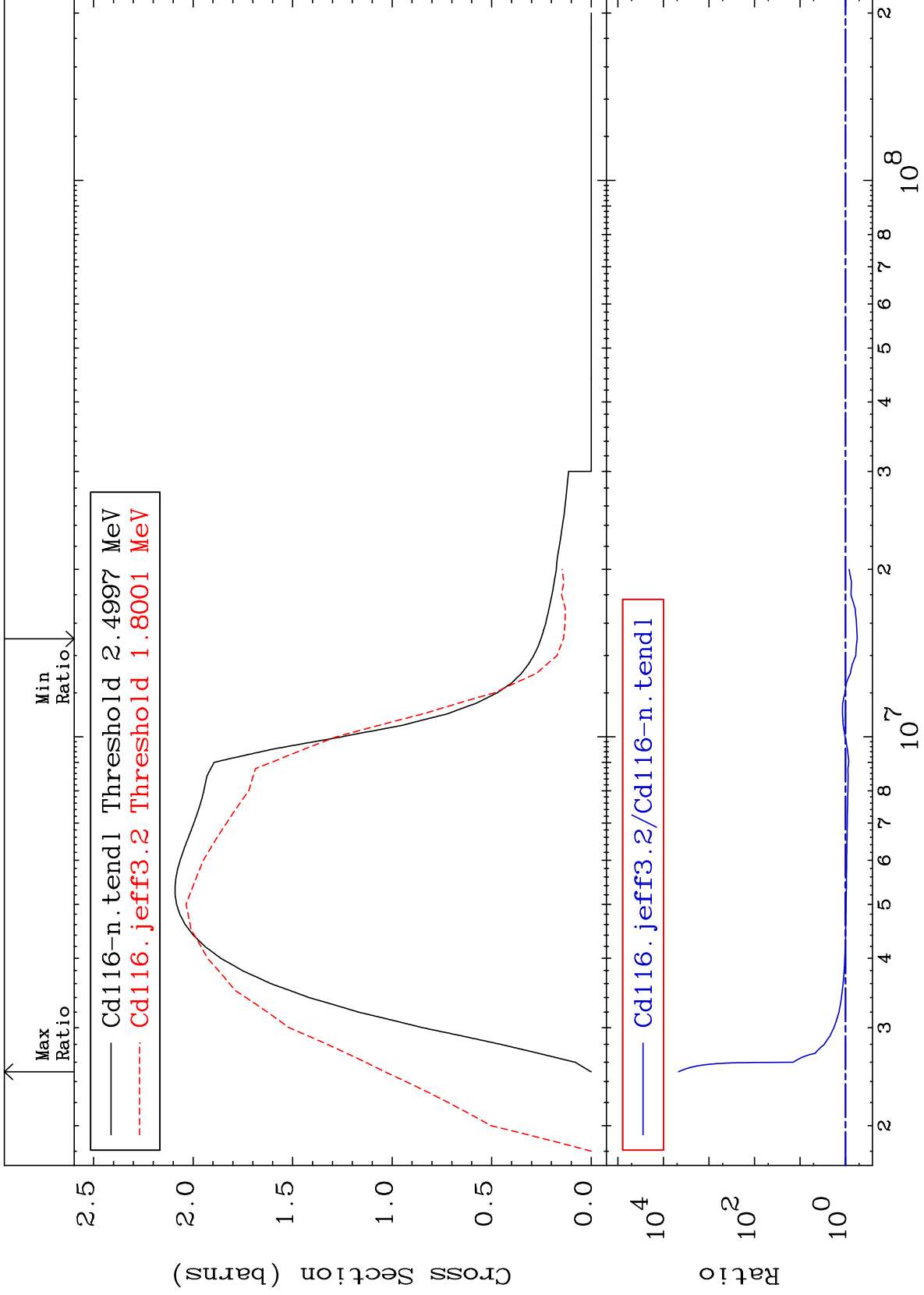
Incident Energy (eV)

48-Cd-116

MAT 4855

(n, n') Continuum  
Cross Section

48-Cd-116  
-44.81 To 9999. %



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Incident Energy (eV)

48-Cd-116



MAT 4855

48-Cd-116

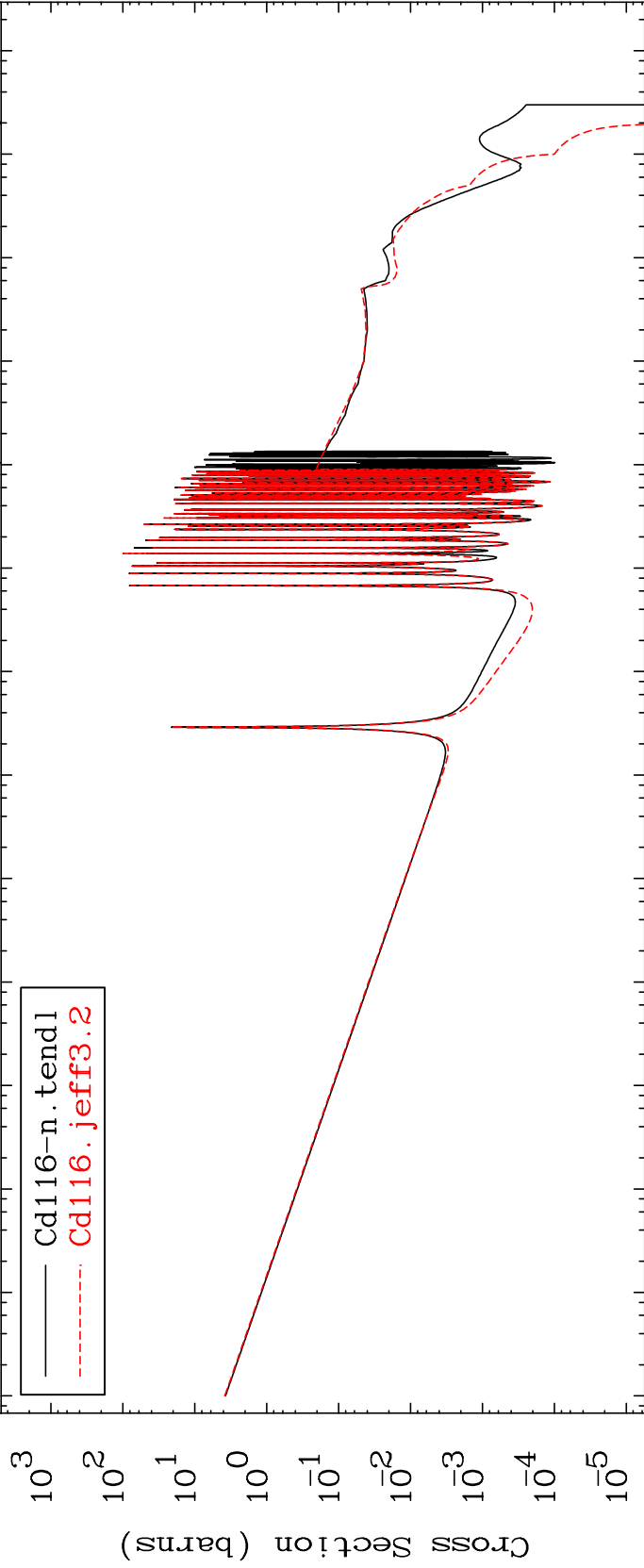
(n,  $\gamma$ )

Cross Section

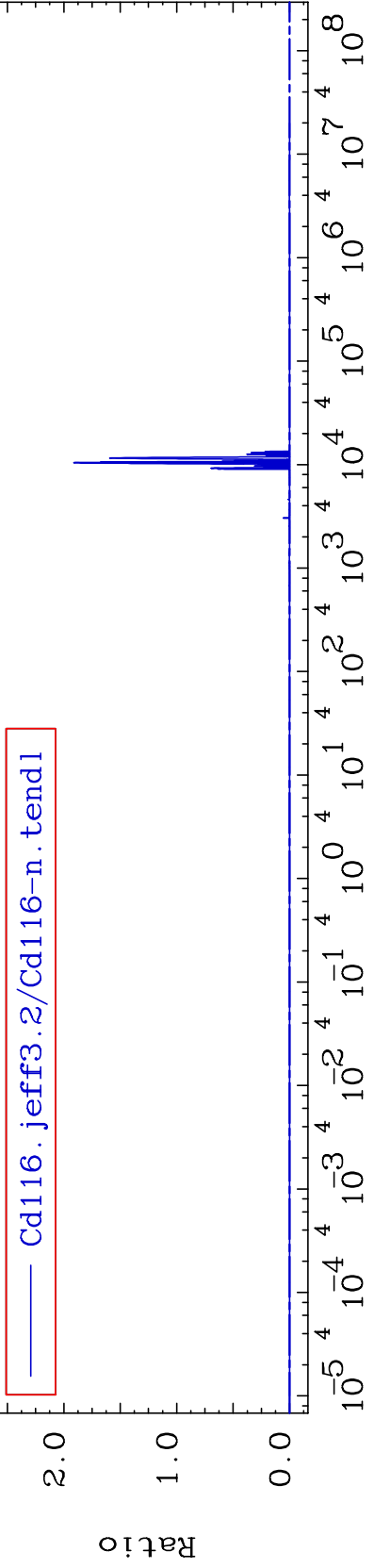
-100.0 To 9999. %

Max Ratio

Min Ratio



Cd116.jeff3.2/Cd116-n.tendl



48-Cd-116

17

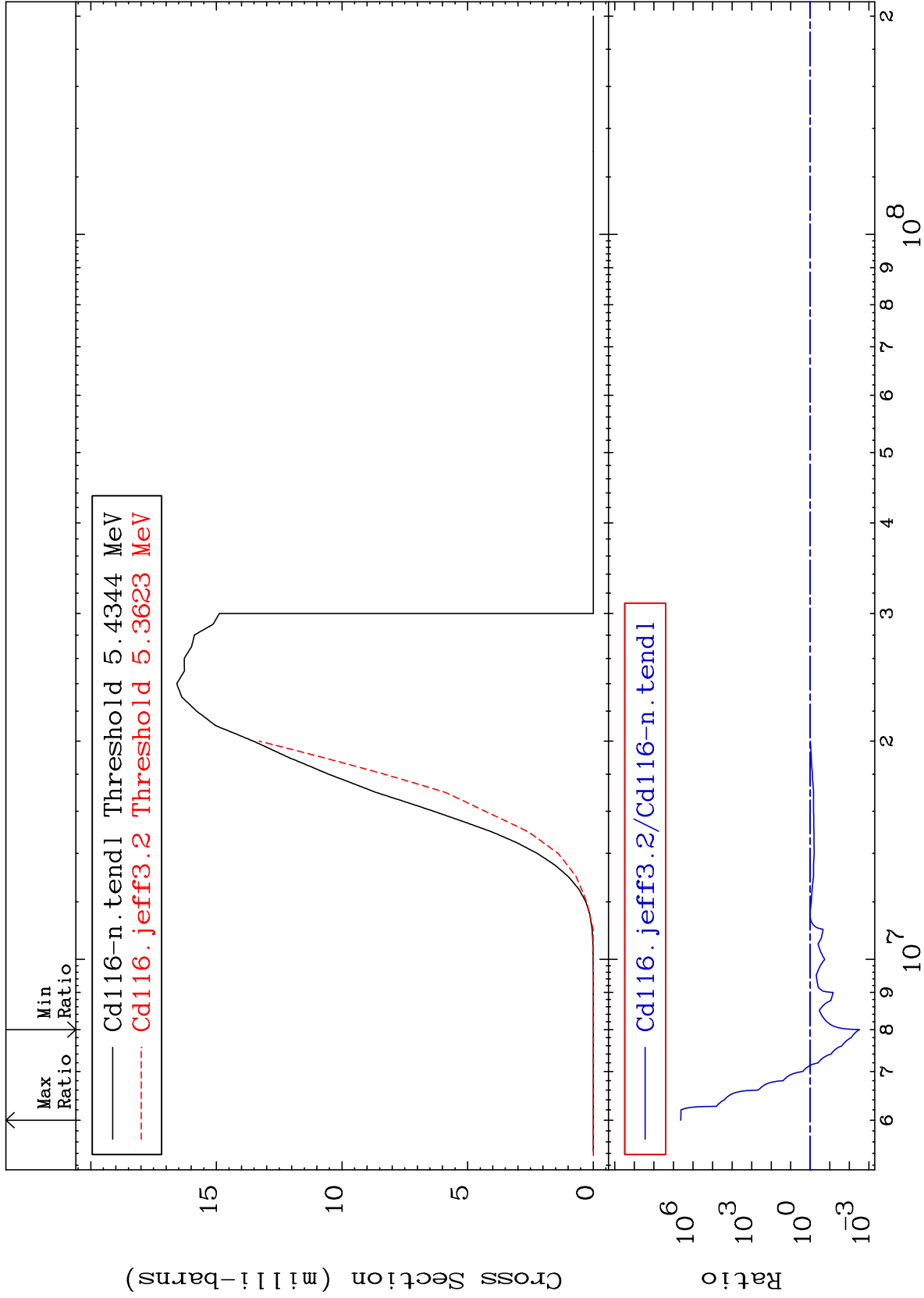
MAT 4855

(n,p)

48-Cd-116

Cross Section

-99.70 To 9999. %



18

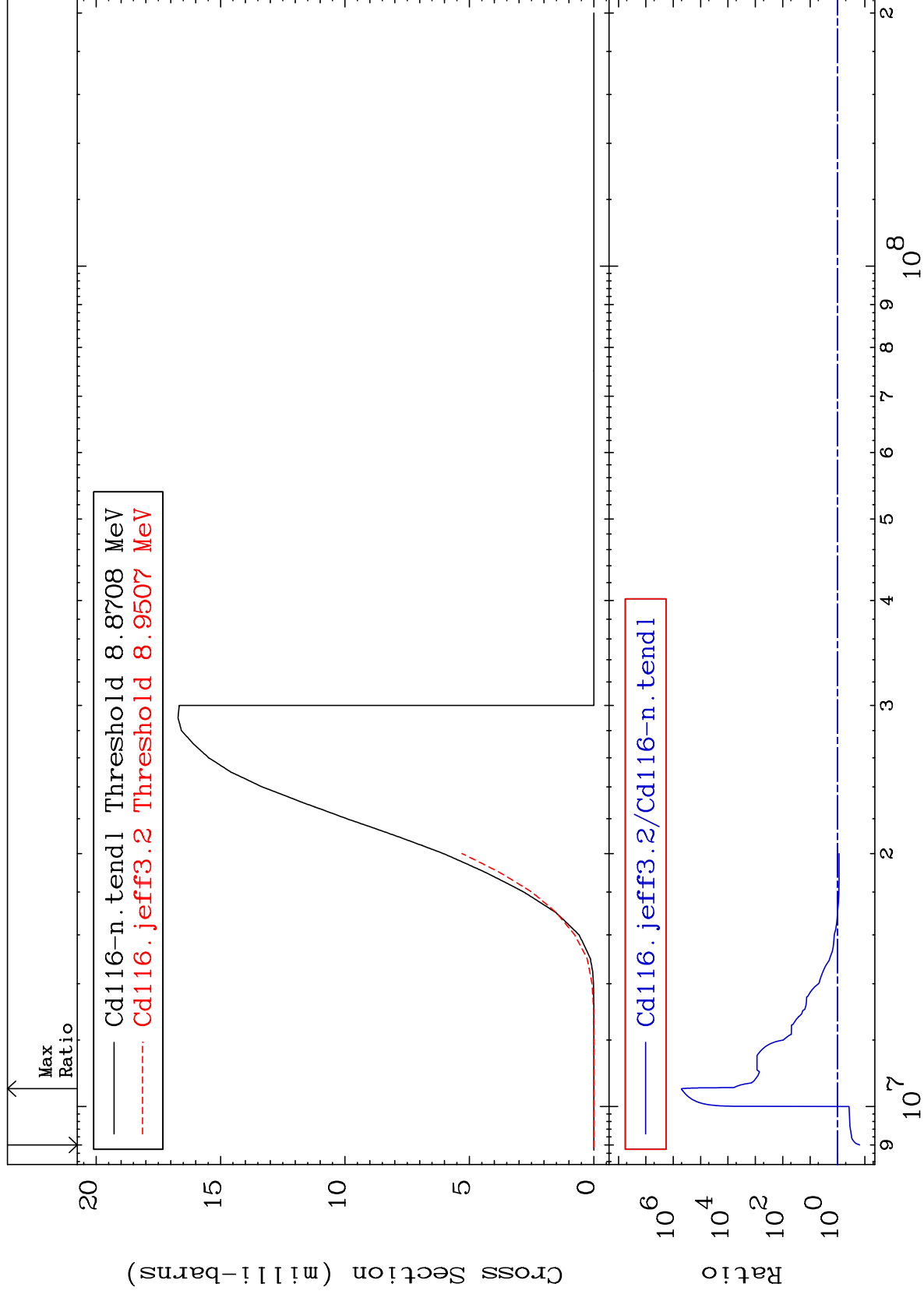
Incident Energy (eV)

48-Cd-116

MAT 4855

(n, d)  
Cross Section

48-Cd-116  
-84.54 To 9999. %



19

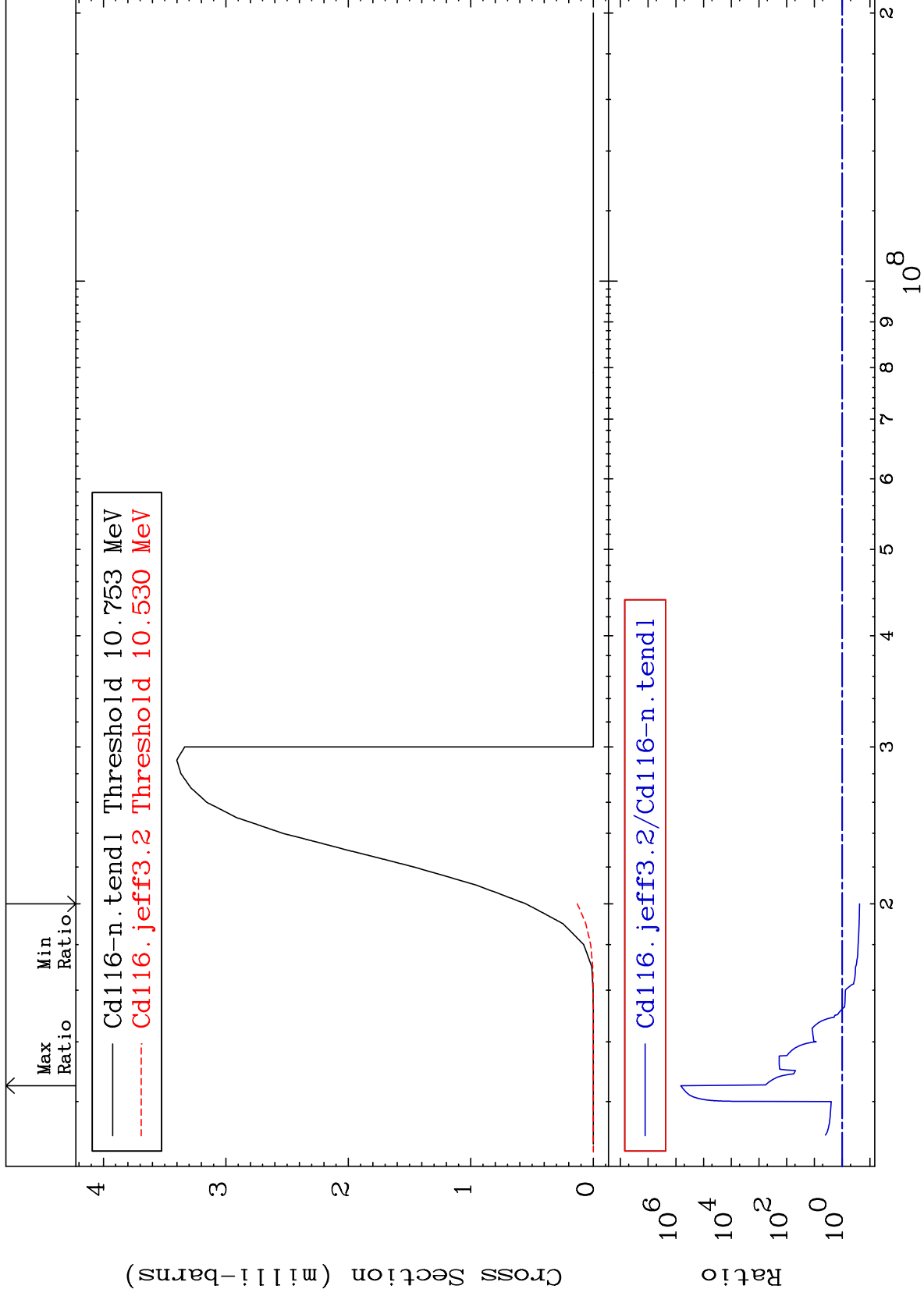
Incident Energy (eV)

48-Cd-116

MAT 4855

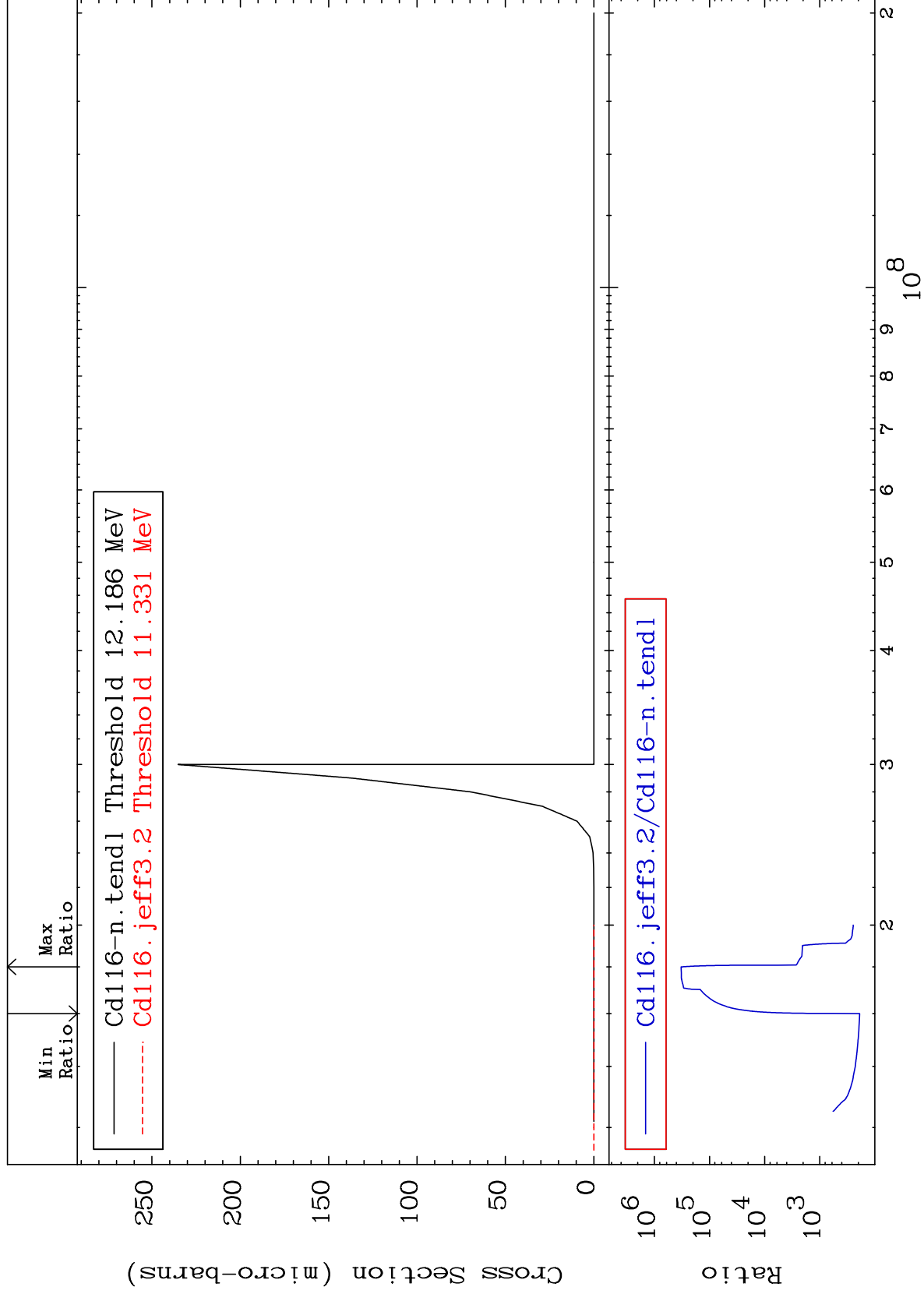
(n, t)  
Cross Section

48-Cd-116  
-76.37 To 9999. %



Cross Section

9999. % To 9999. %

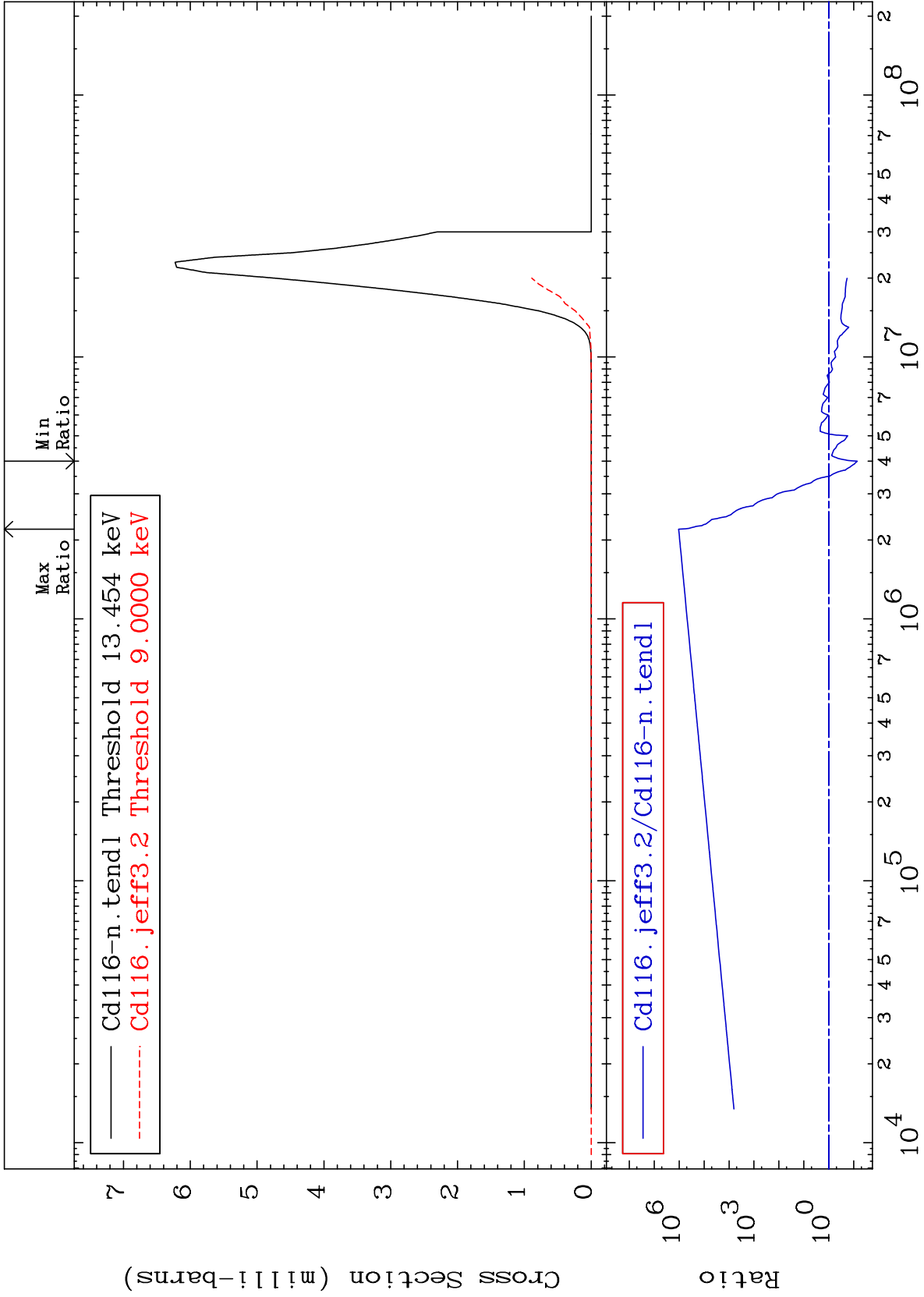


MAT 4855

48-Cd-116

-92.72 To 9999. %

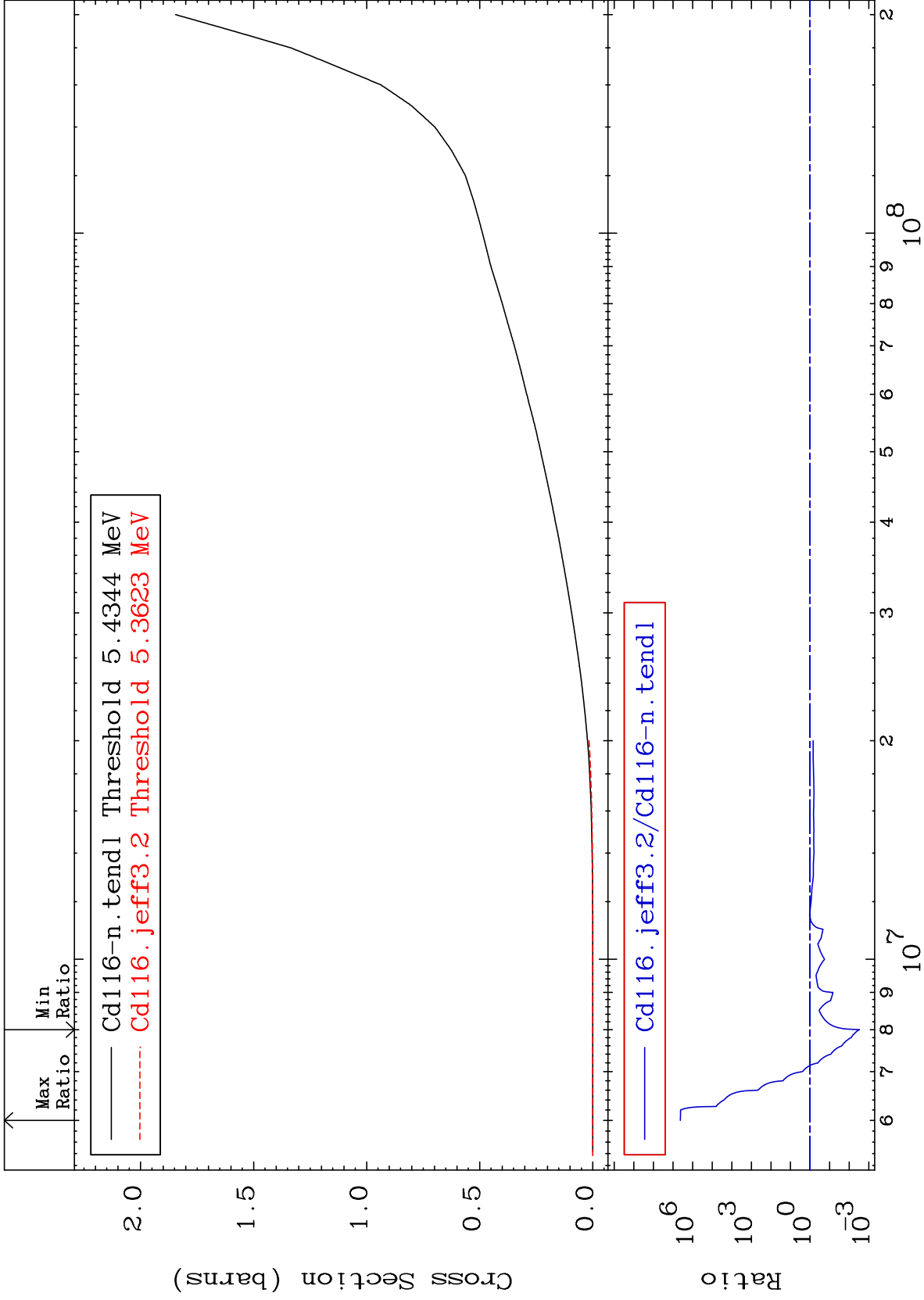
(n,  $\alpha$ )  
Cross Section



MAT 4855

Hydrogen Production  
Cross Section

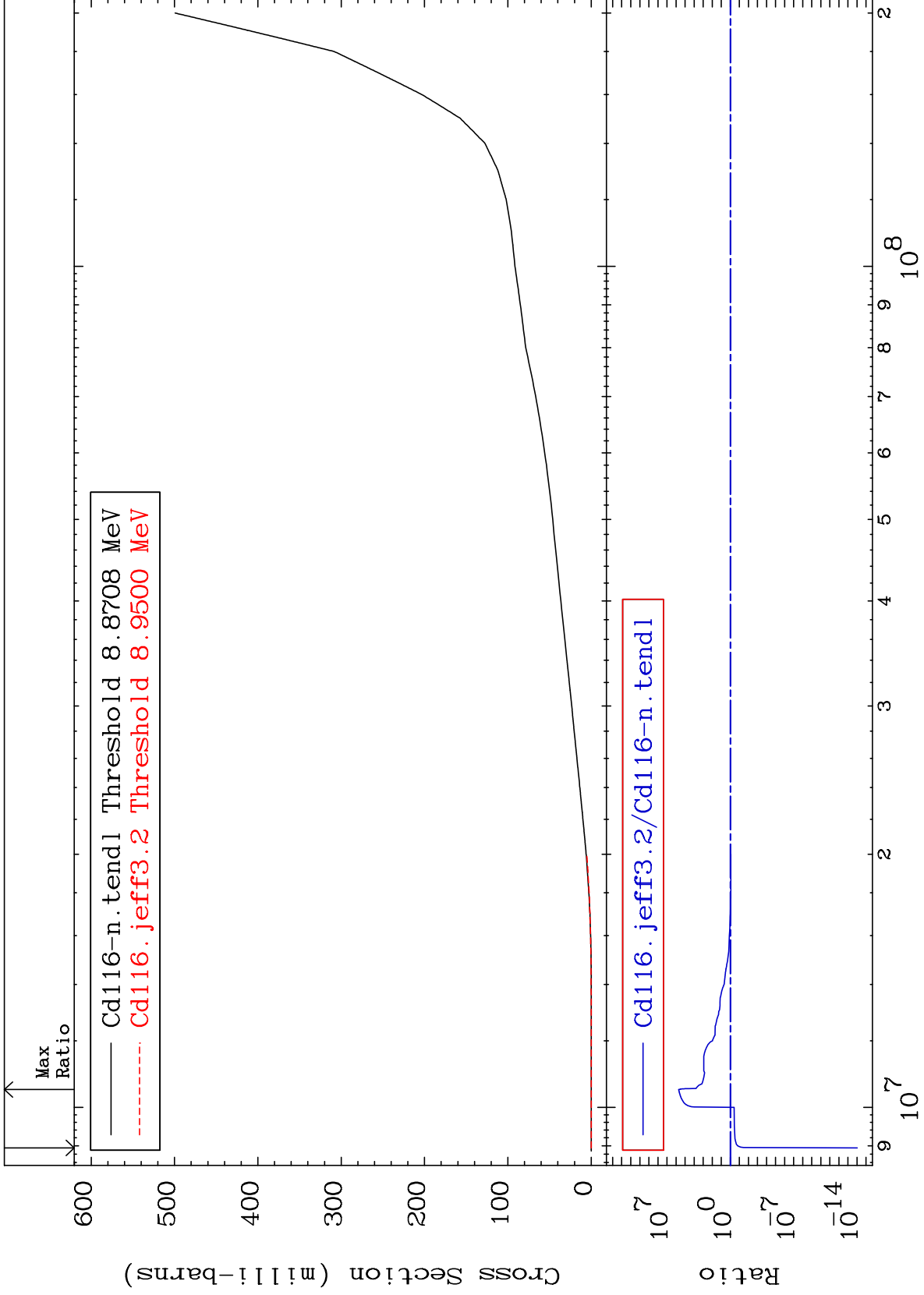
48-Cd-116  
-99.70 To 9999. %



MAT 4855

Deuterium Production  
Cross Section

48-Cd-116  
-100.0 To 9999. %

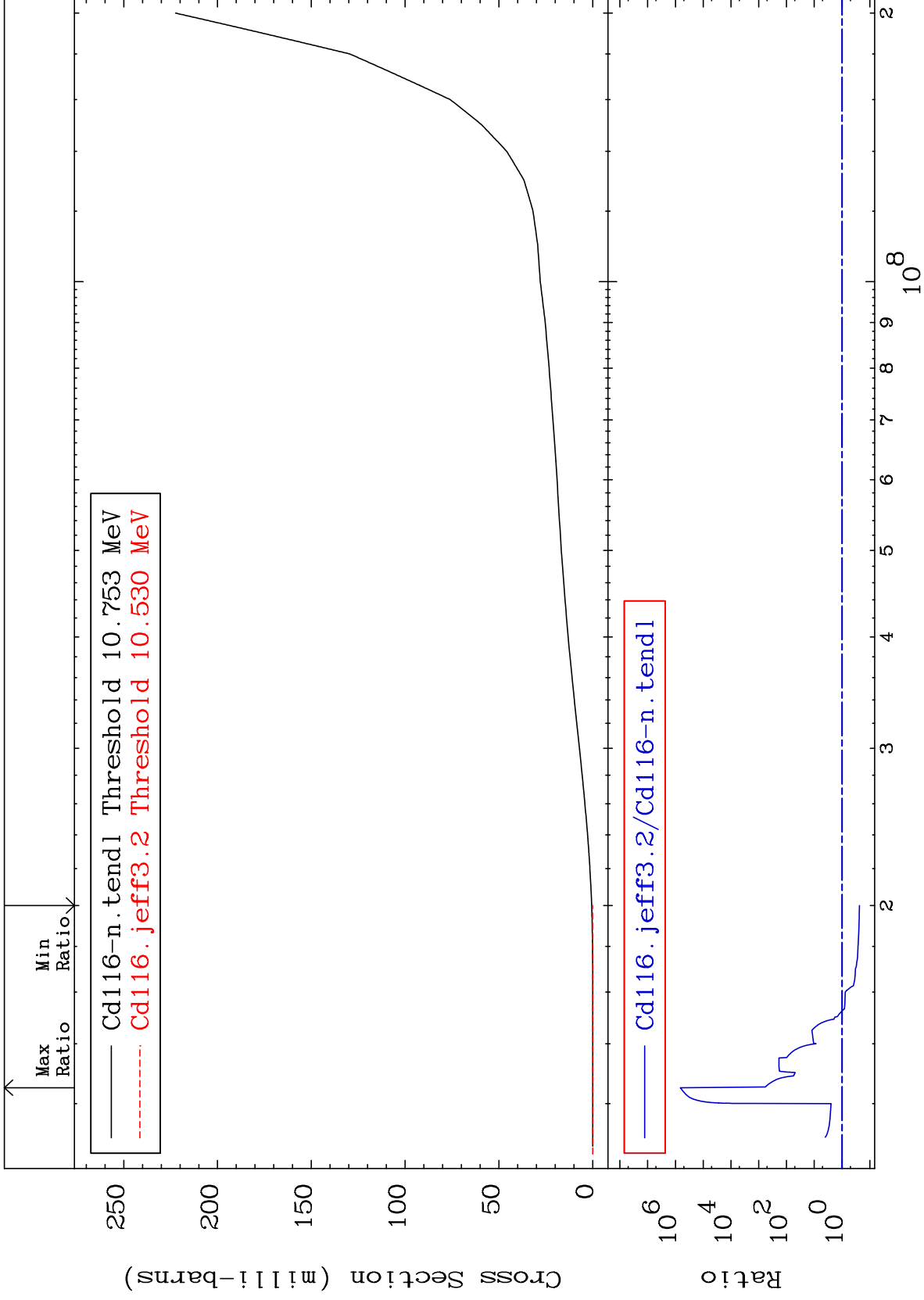


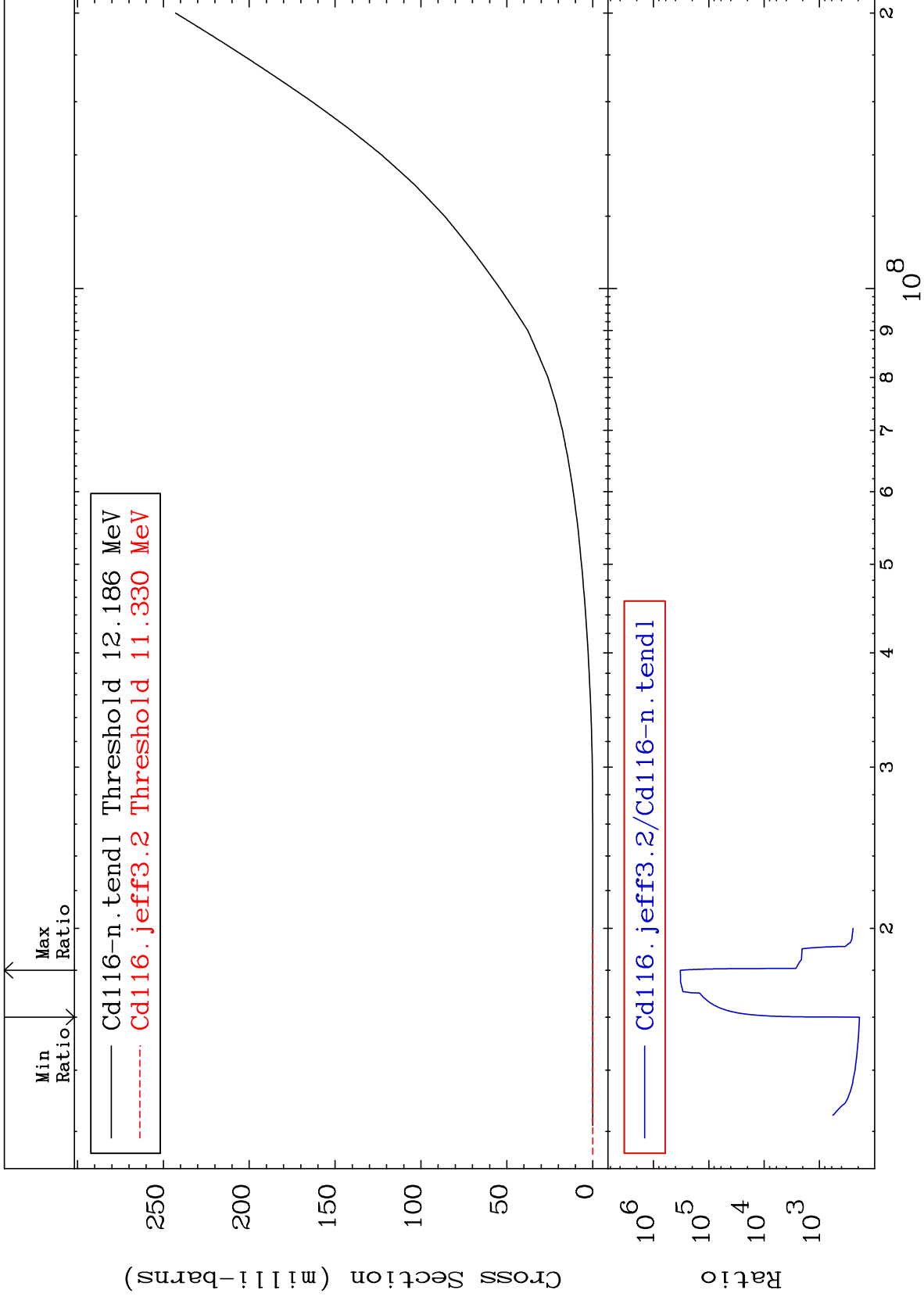
24

48-Cd-116

48-Cd-116



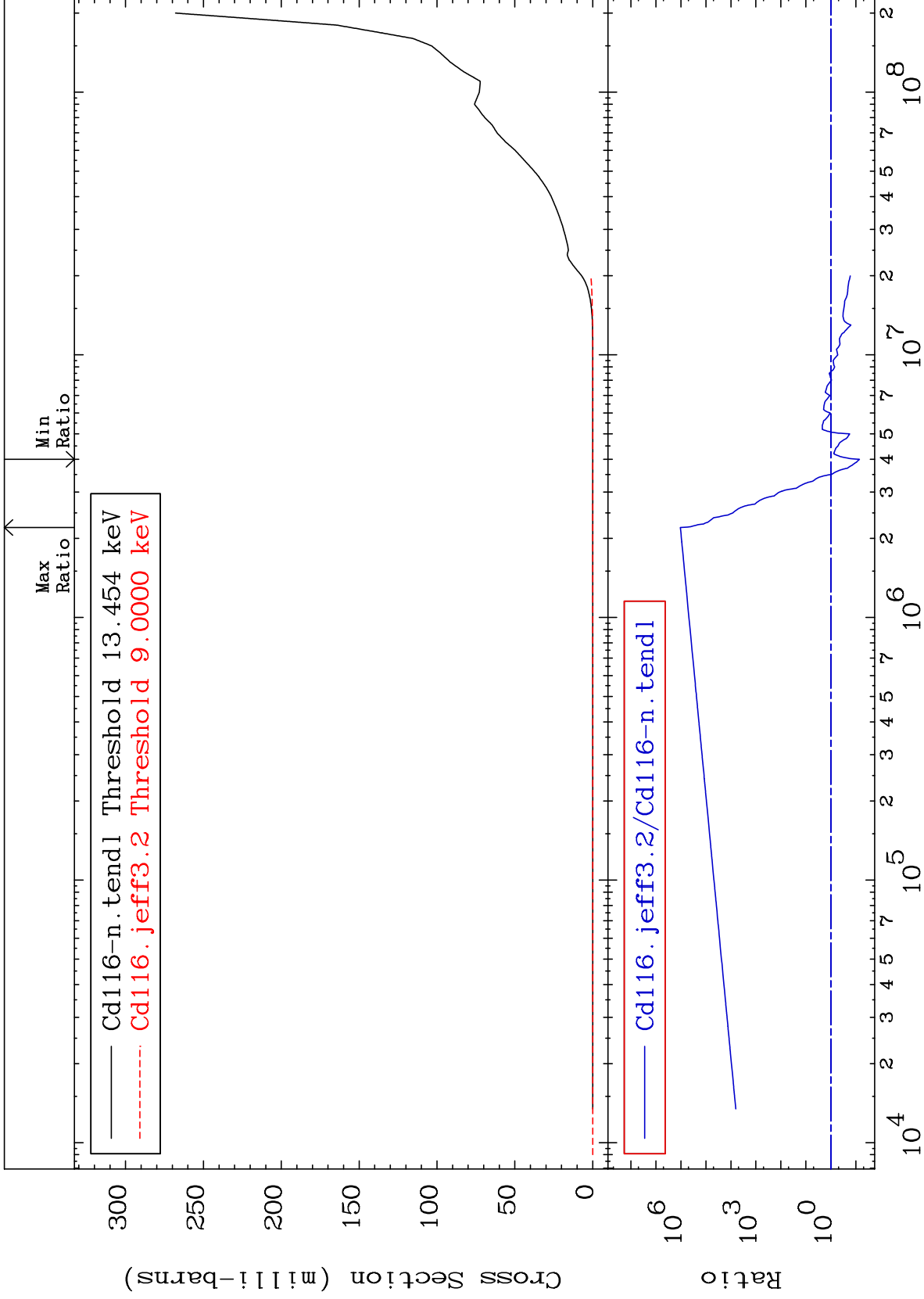




MAT 4855

He-4 Production  
Cross Section

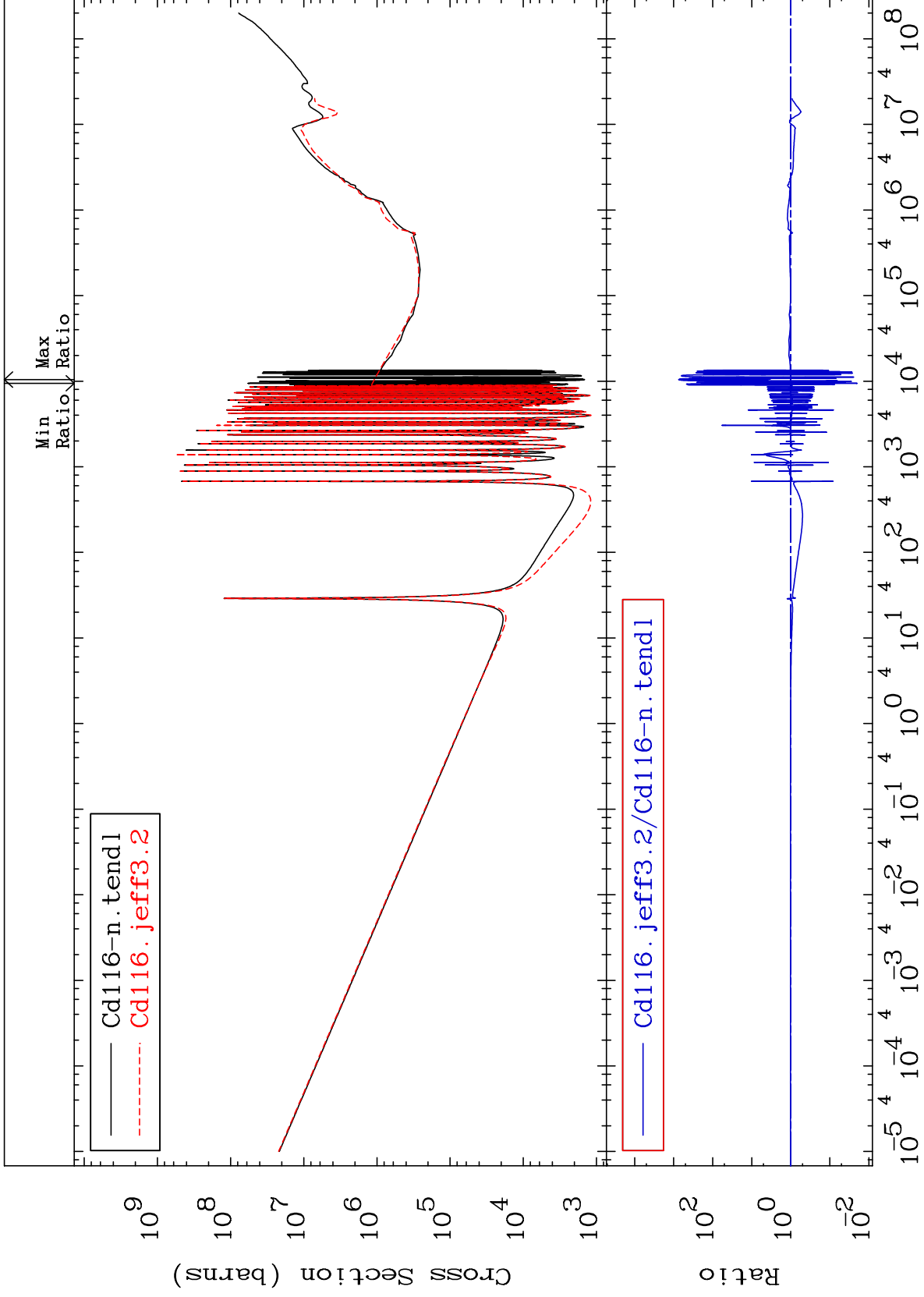
48-Cd-116  
-92.72 To 9999. %



27

Incident Energy (eV)

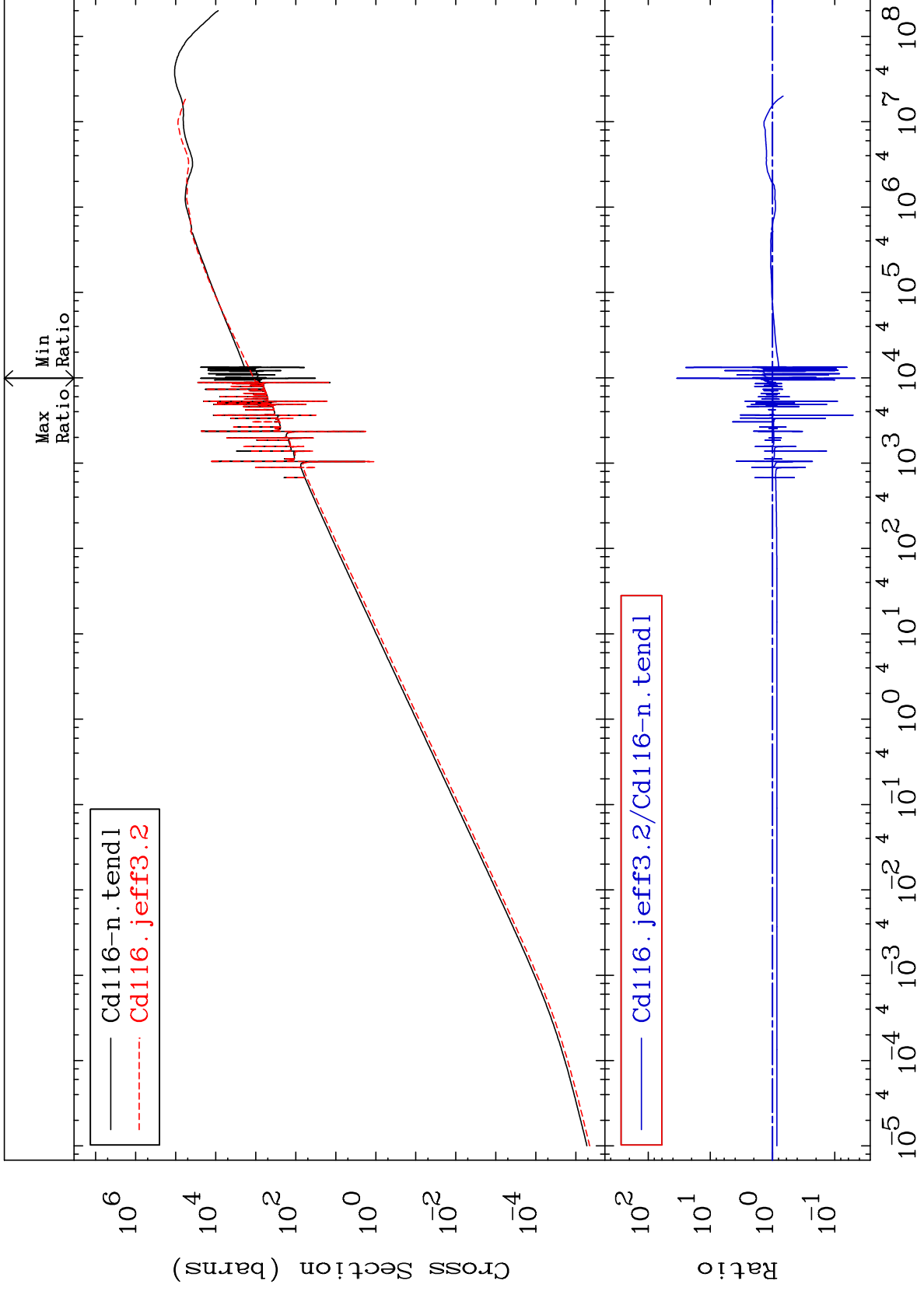
48-Cd-116



MAT 4855

Kerma elastic  
Cross Section

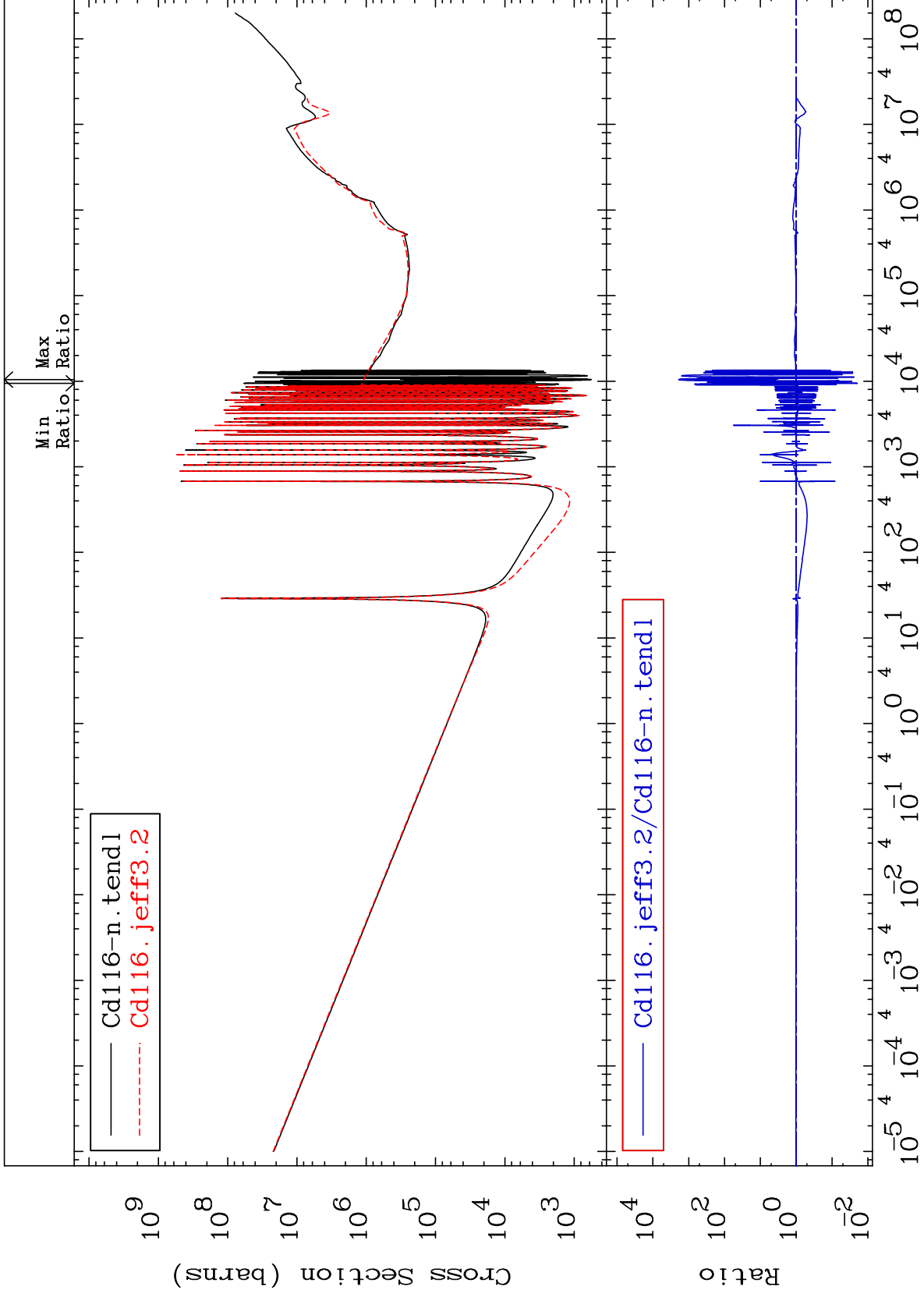
48-Cd-116  
-95.29 To 3350. %



MAT 4855

Kerma non-elastic (all but mt2)  
Cross Section

48-Cd-116  
-98.02 To 9999. %



30

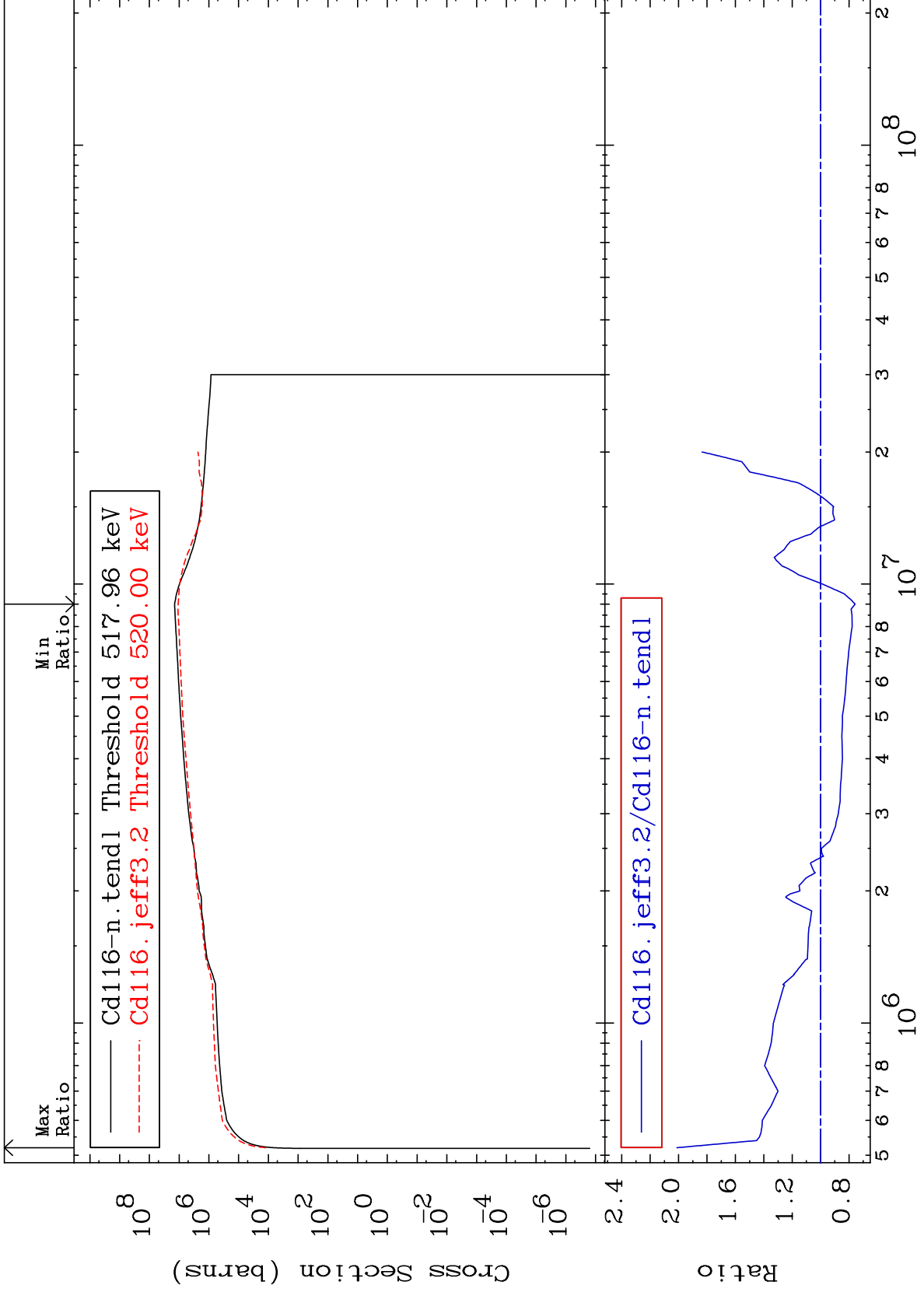
Incident Energy (eV)

48-Cd-116

MAT 4855

Kerma inelastic (mt51-91)  
Cross Section

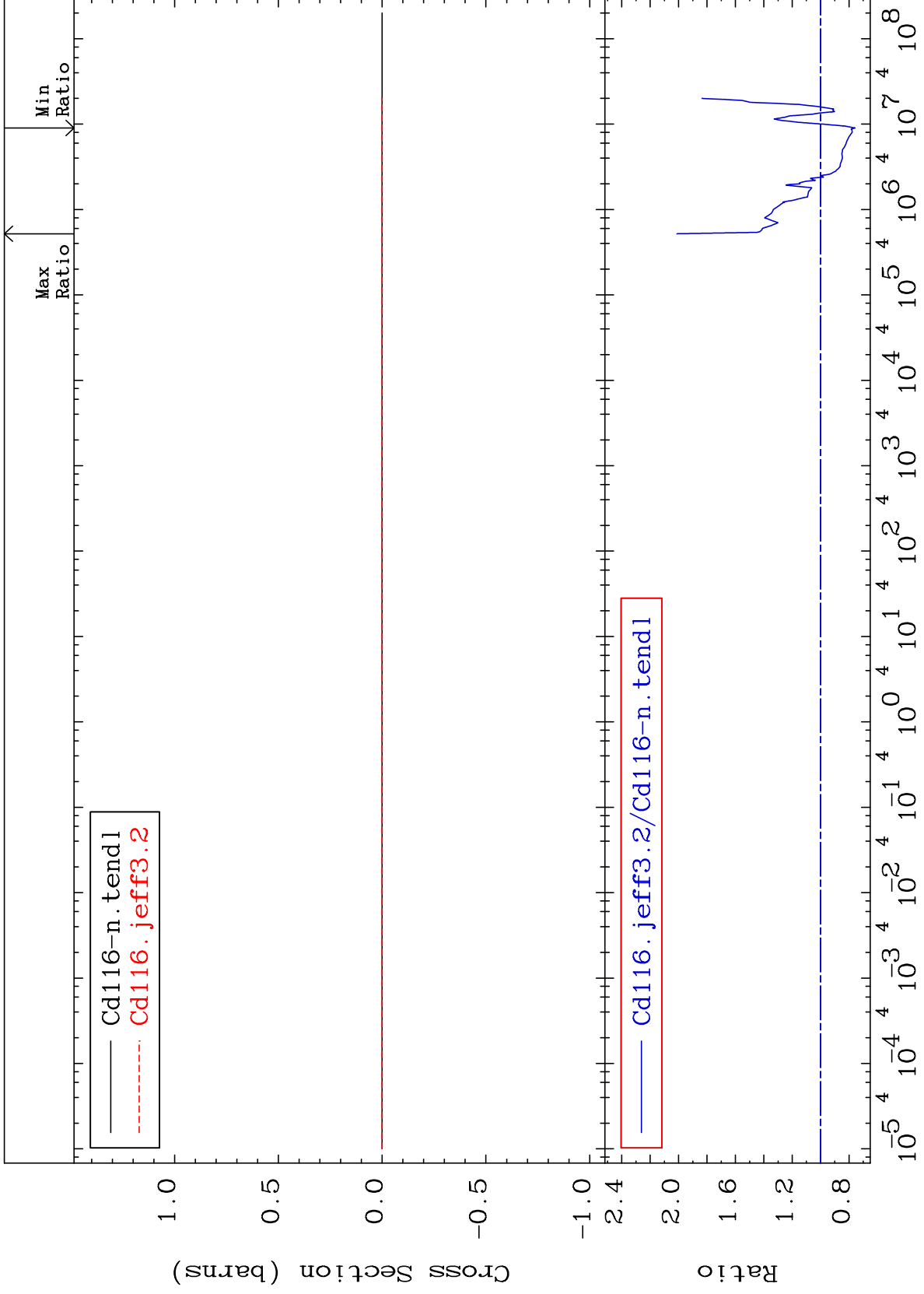
48-Cd-116  
-24.26 To 101.2 %



MAT 4855

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

48-Cd-116  
-24.26 To 101.2 %

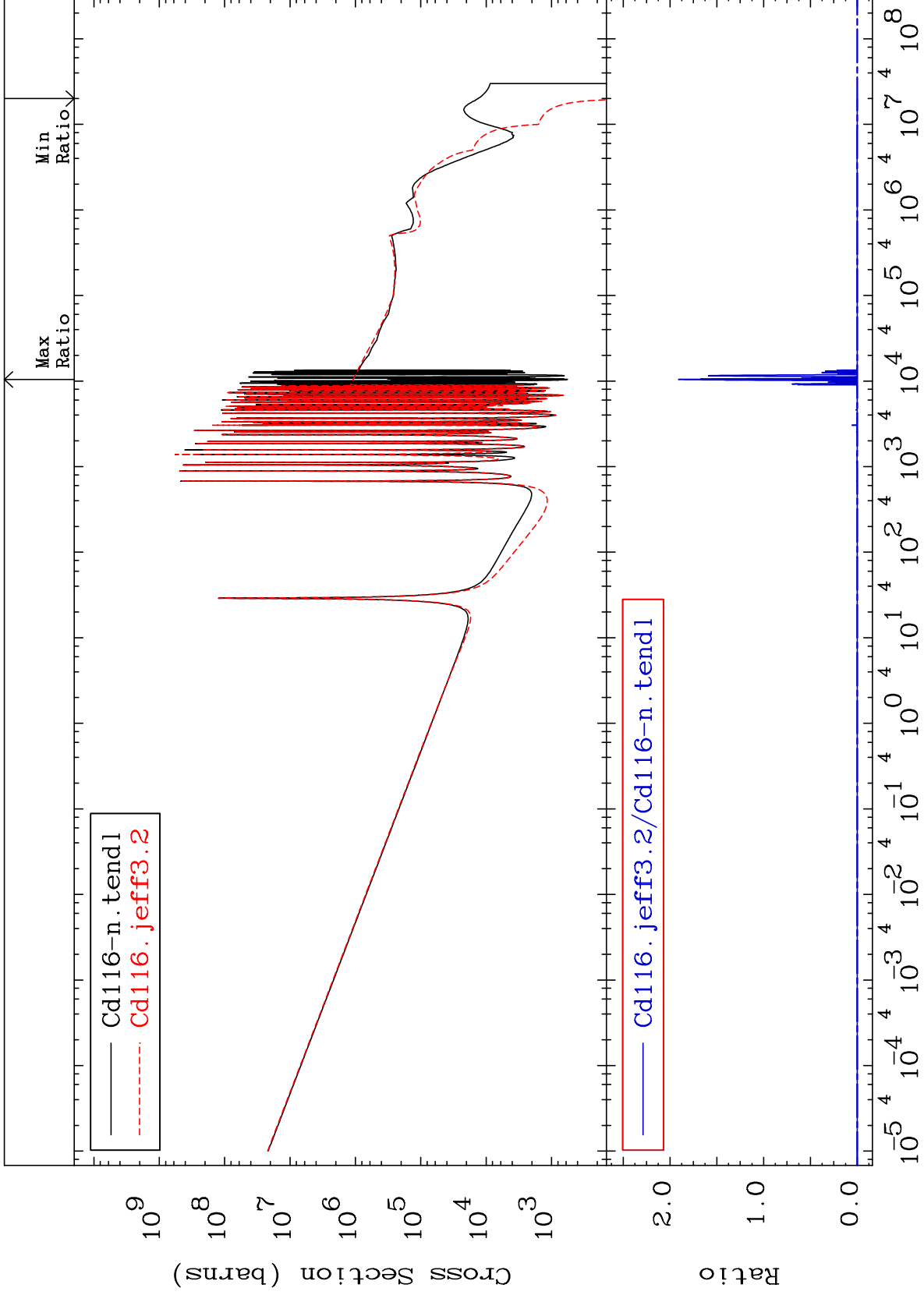




MAT 4855

Kerma capture (mt102)  
Cross Section

48-Cd-116  
-100.0 To 9999. %



33

Incident Energy (eV)

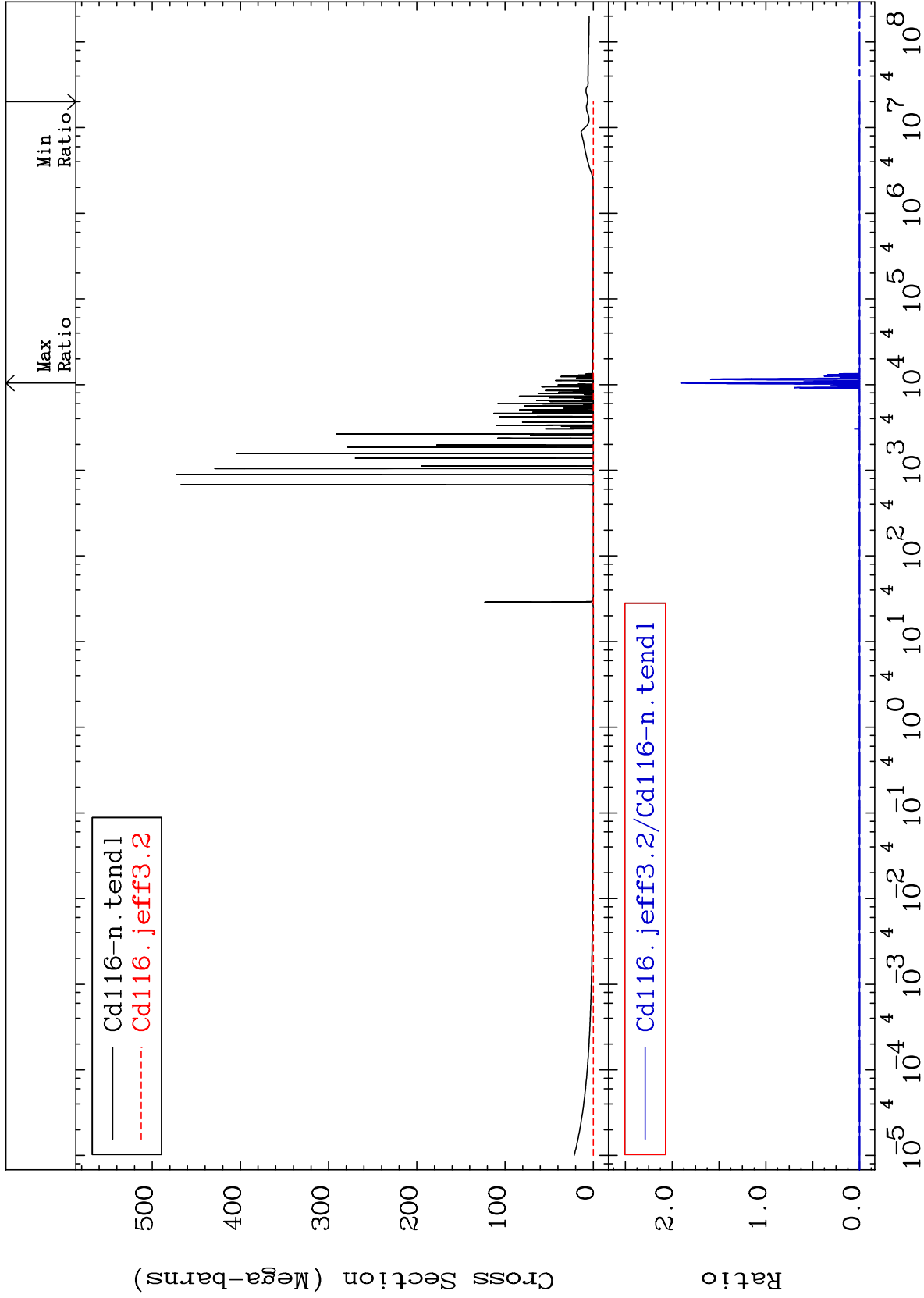
48-Cd-116

MAT 4855

Total photon (eV-barns)  
Cross Section

48-Cd-116

-100.0 To 9999. %



34

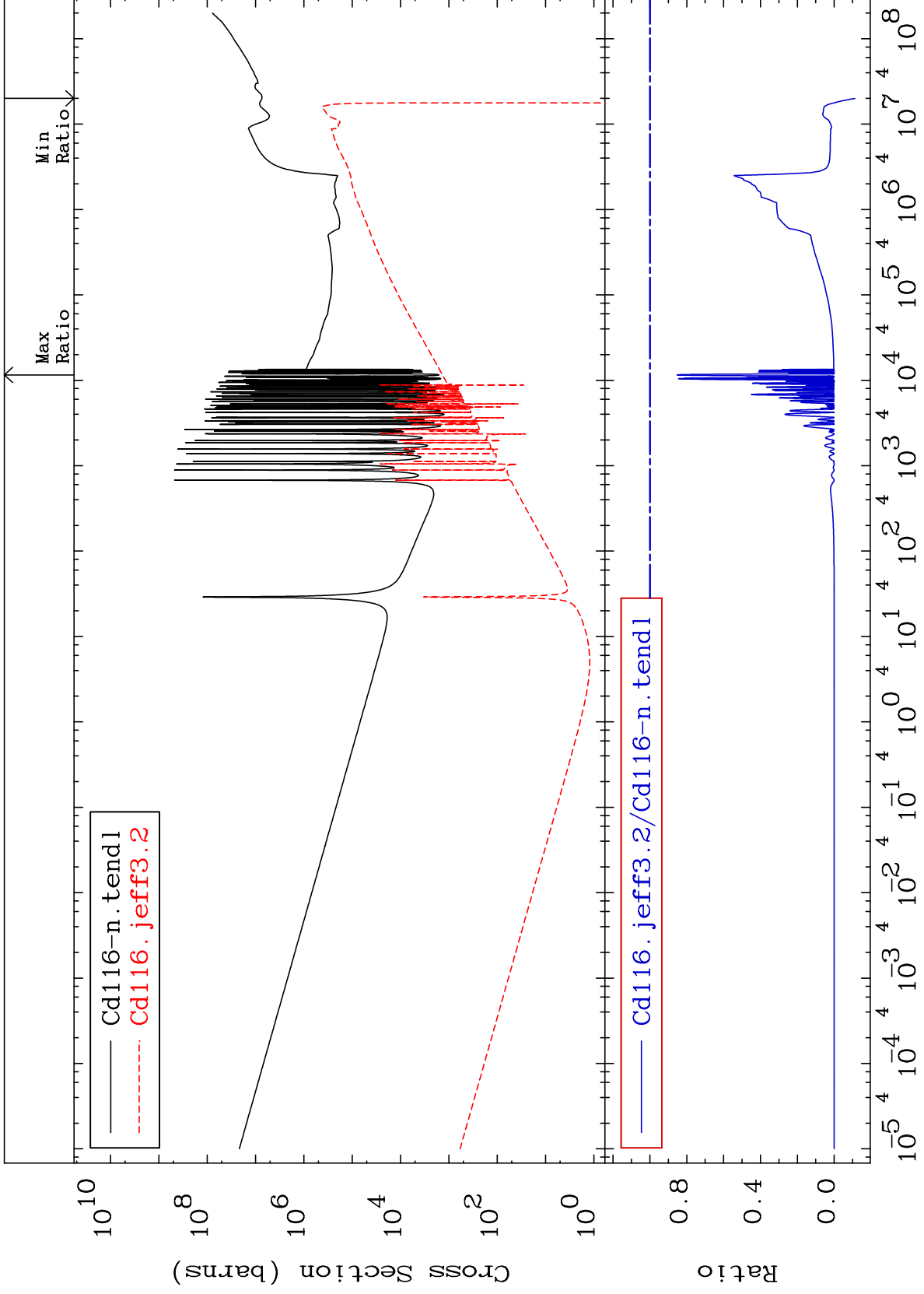
Incident Energy (eV)

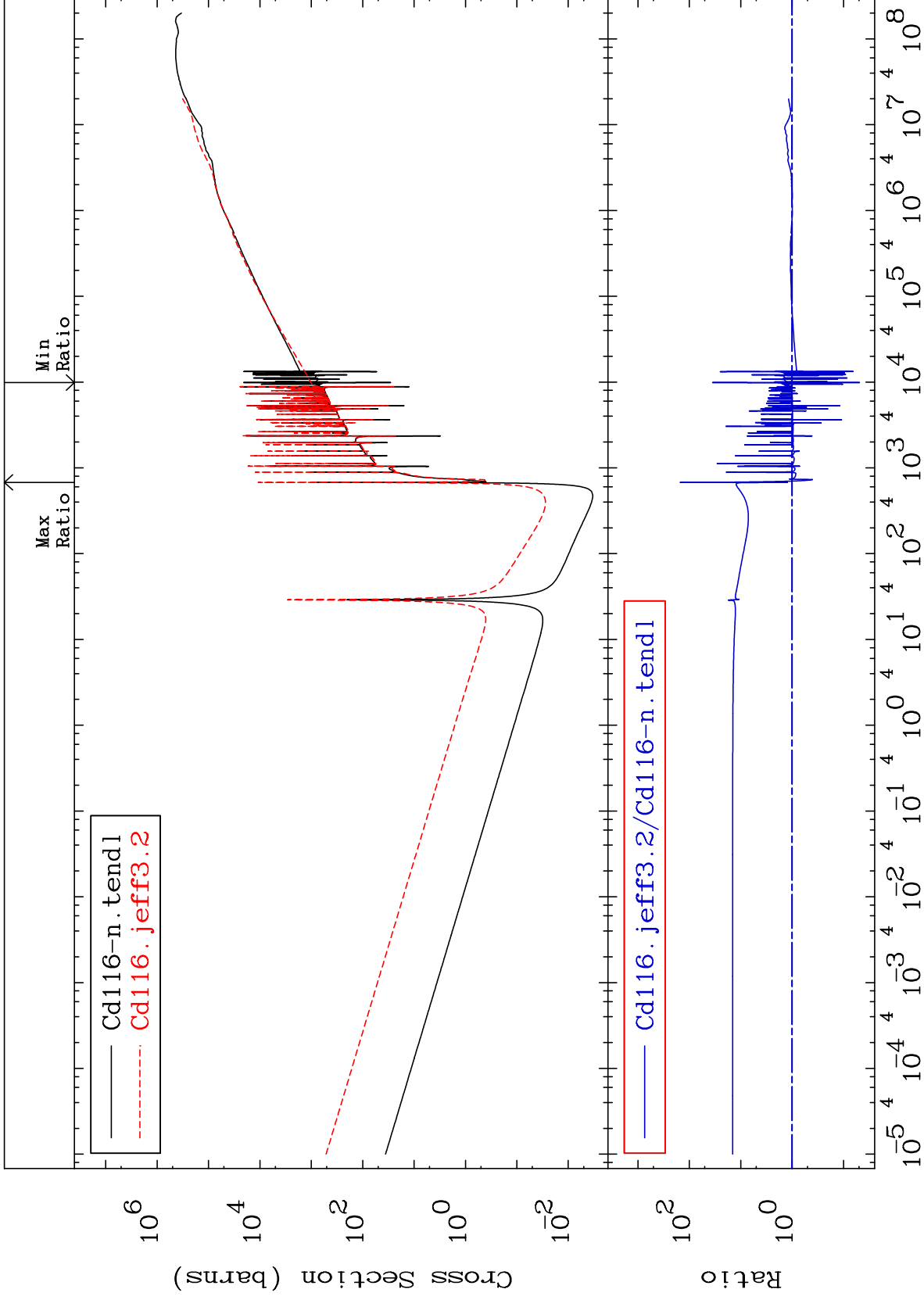
48-Cd-116

MAT 4855

Total kinematic kerma (high limit)  
Cross Section

48-Cd-116  
-111.4 To -14.66%

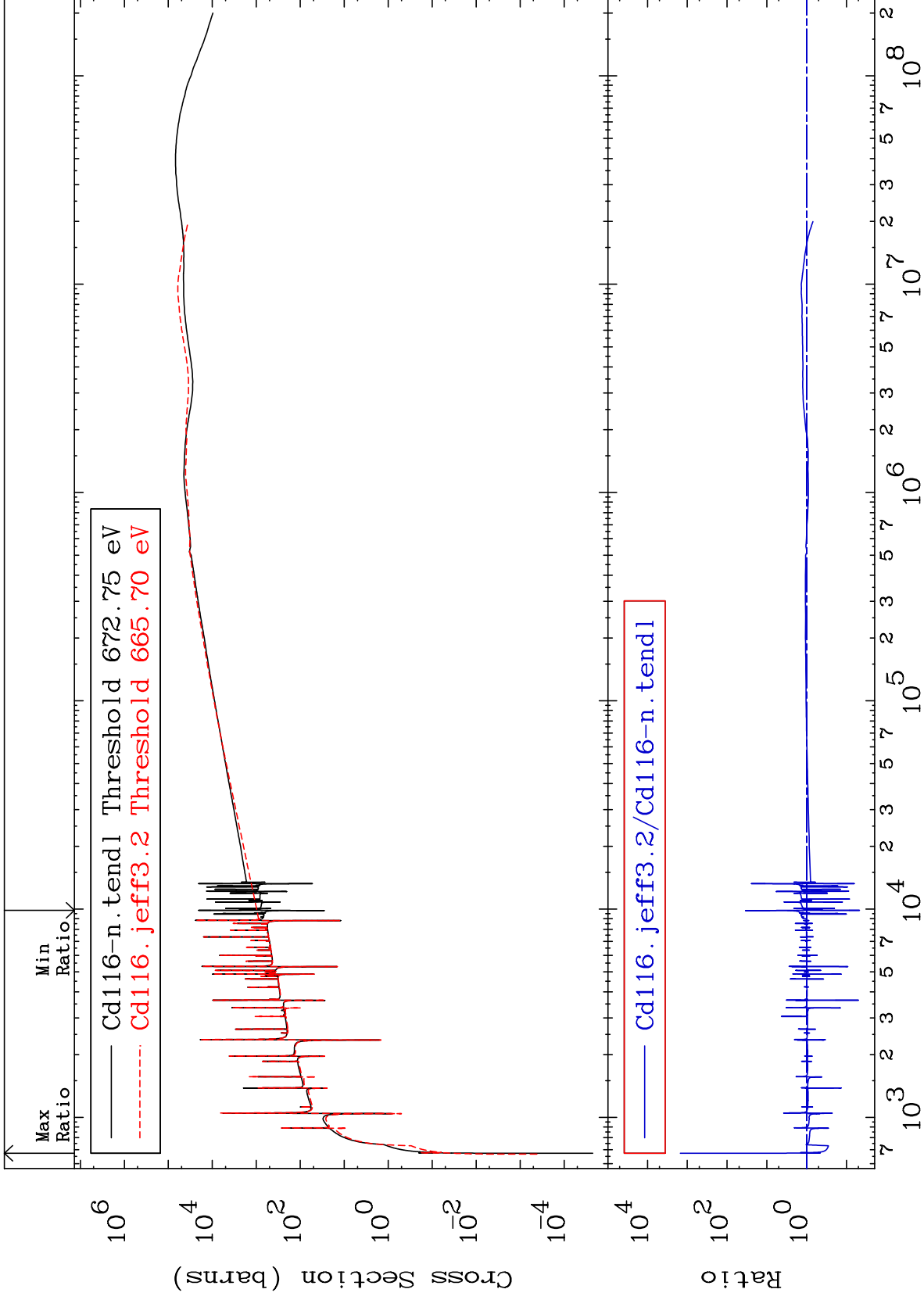




MAT 4855

Dpa elastic (mt2)  
Cross Section

48-Cd-116  
-95.30 To 9999. %



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Incident Energy (eV)

48-Cd-116

