

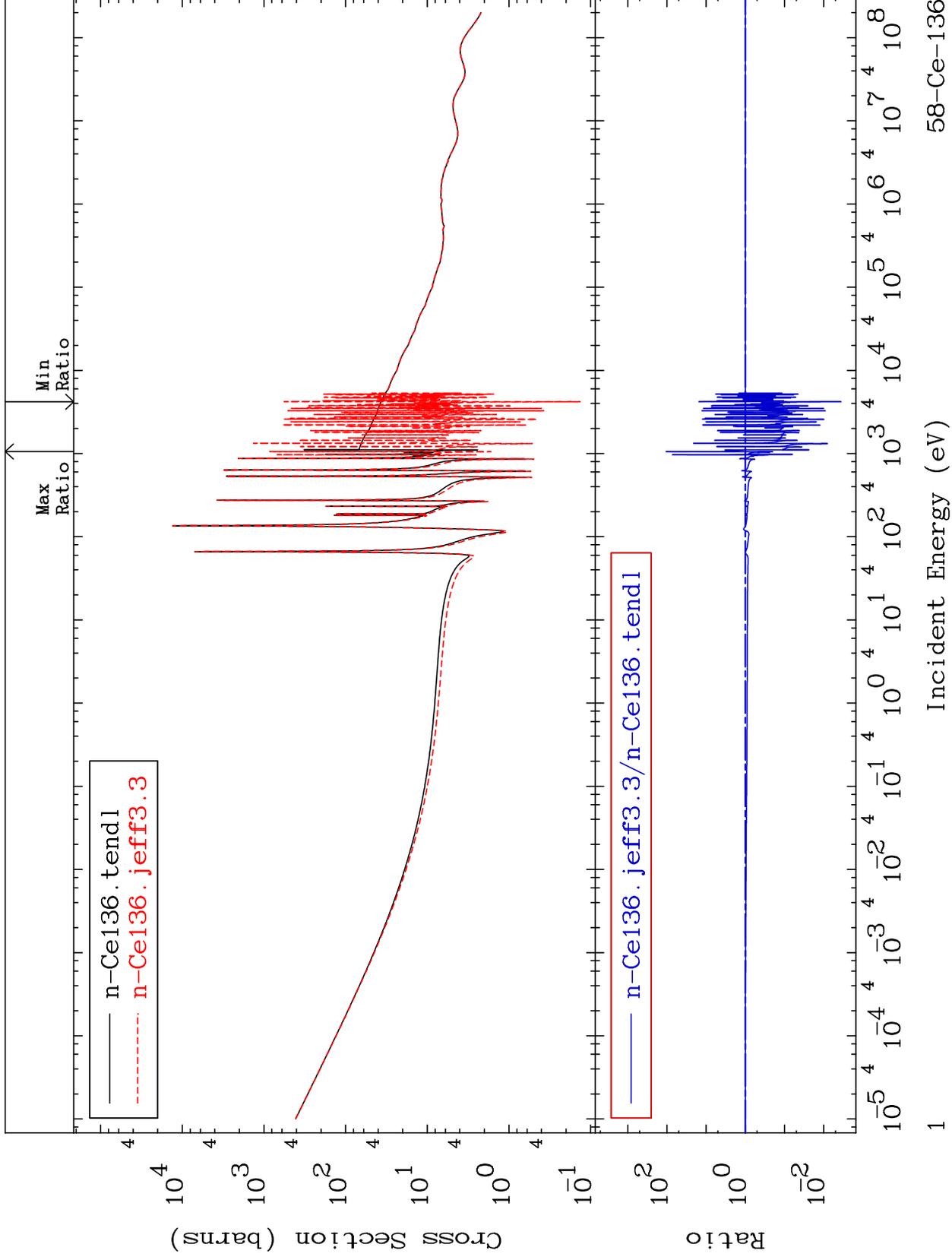
MAT 5825

Total

58-Ce-136

Cross Section

-99.64 To 9999. %



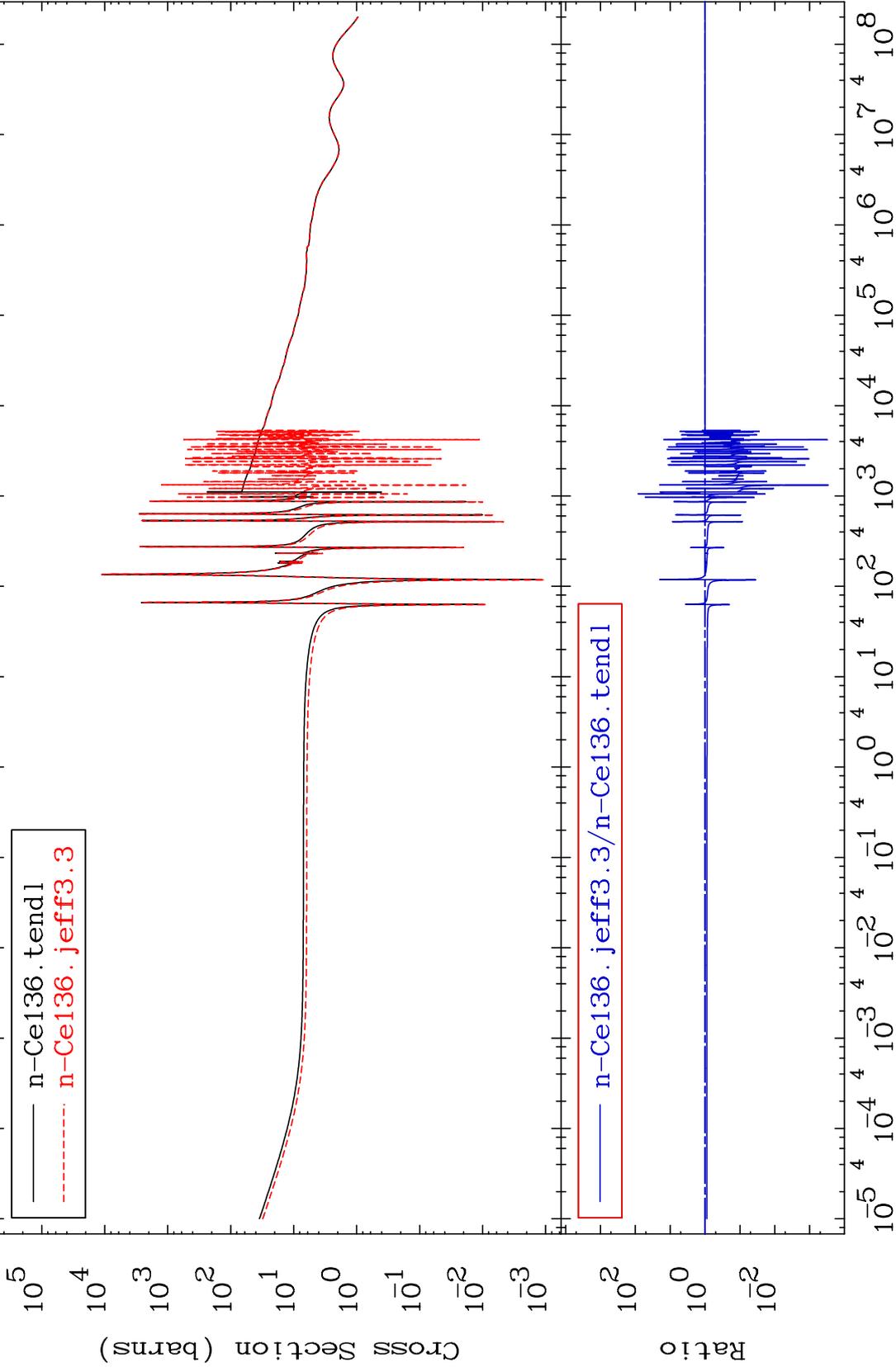
Incident Energy (eV)

58-Ce-136

MAT 5825

Elastic
Cross Section

58-Ce-136
-99.97 To 8317. %



2

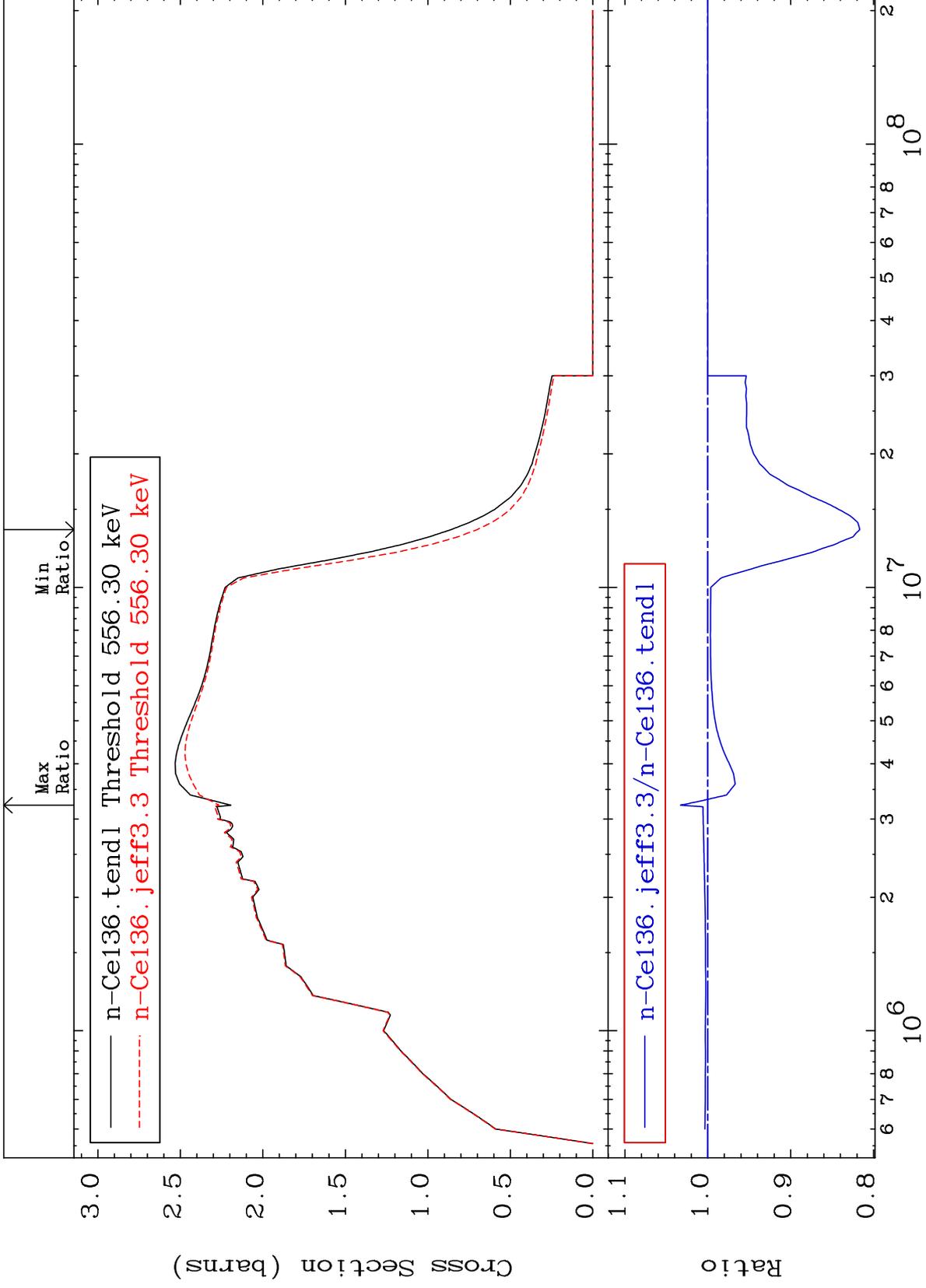
Incident Energy (eV)

58-Ce-136

MAT 5825

Inelastic
Cross Section

58-Ce-136
-18.33 To 3.294 %



3

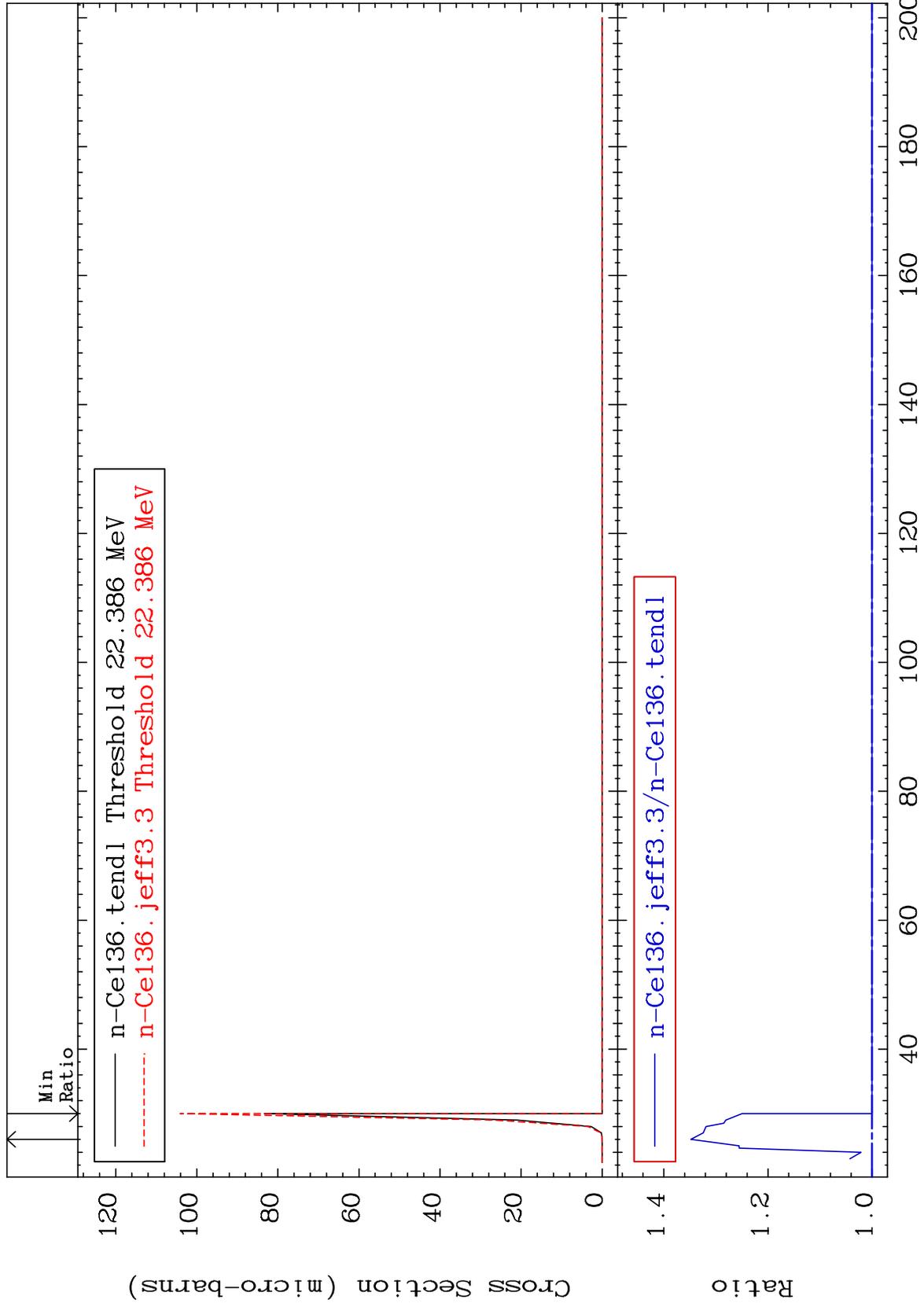
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n) d
Cross Section

58-Ce-136
0.000 To 34.81 %



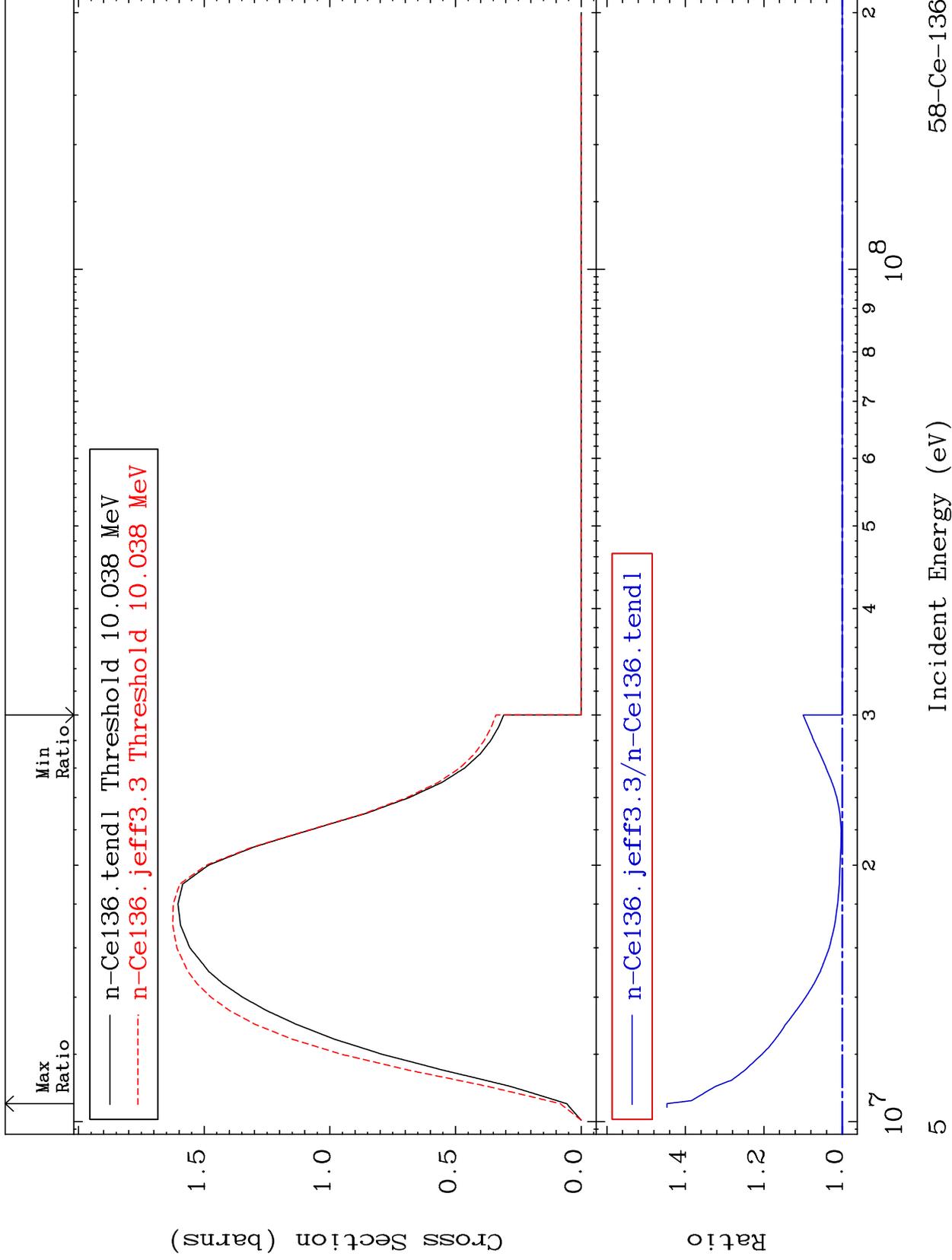
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,2n)
Cross Section

58-Ce-136
0.000 To 44.67 %



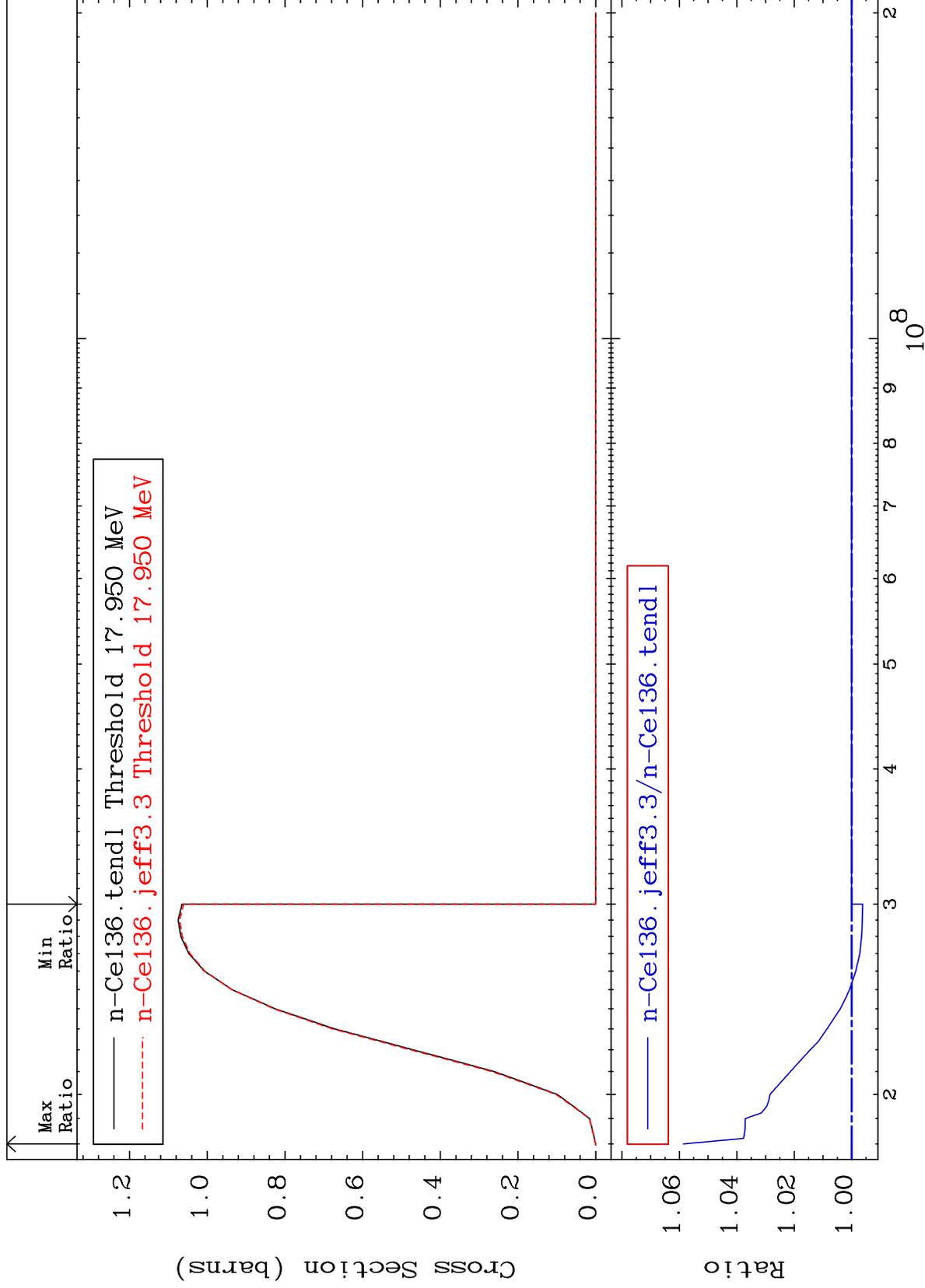
MAT 5825

(n,3n)

58-Ce-136

Cross Section

-0.382 To 5.858 %



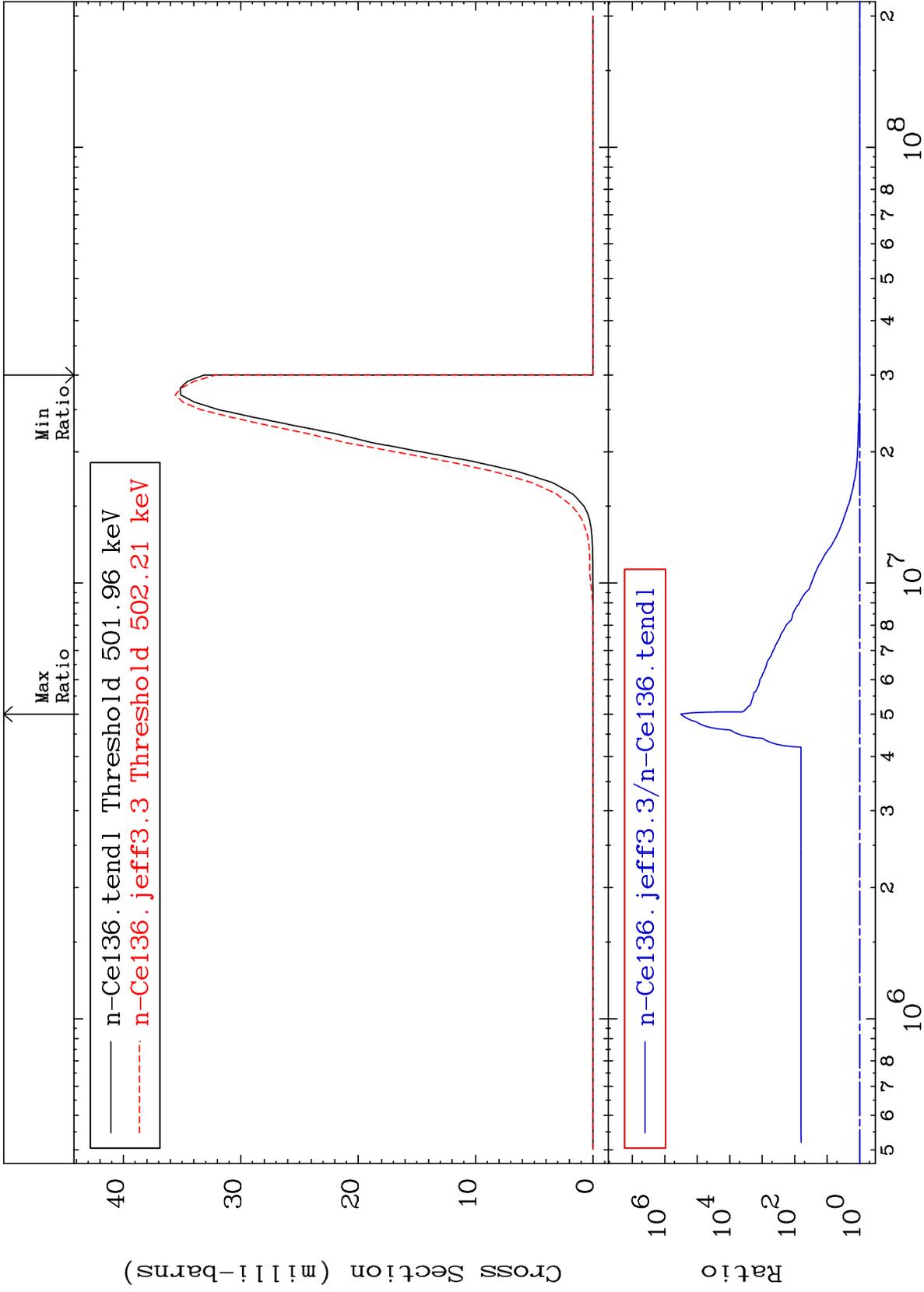
MAT 5825

(n, n') α

58-Ce-136

Cross Section

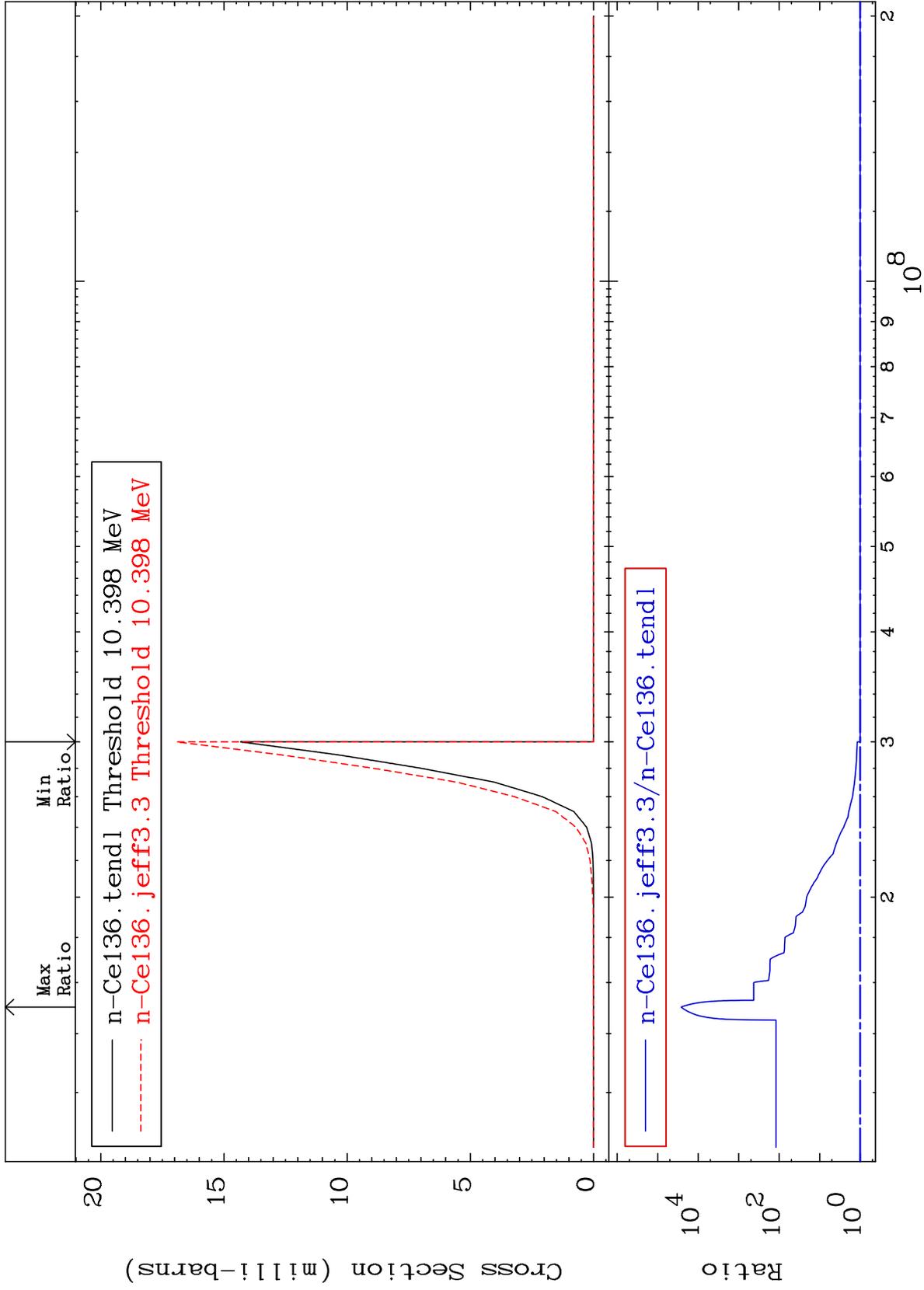
-3.002 To 9999. %



MAT 5825

(n,2n) α
Cross Section

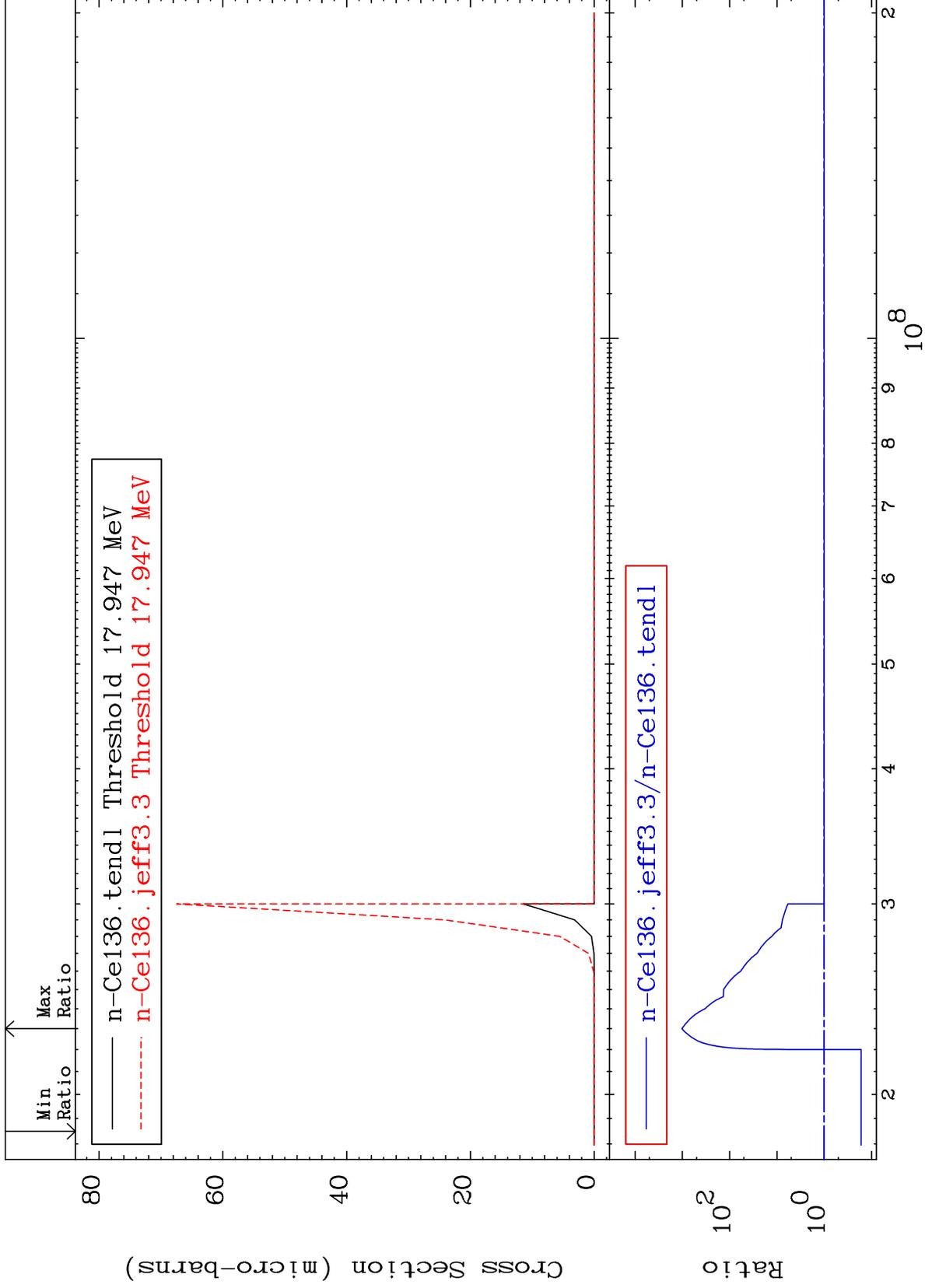
58-Ce-136
To 9999. %
0.000



MAT 5825

(n,3n) α
Cross Section

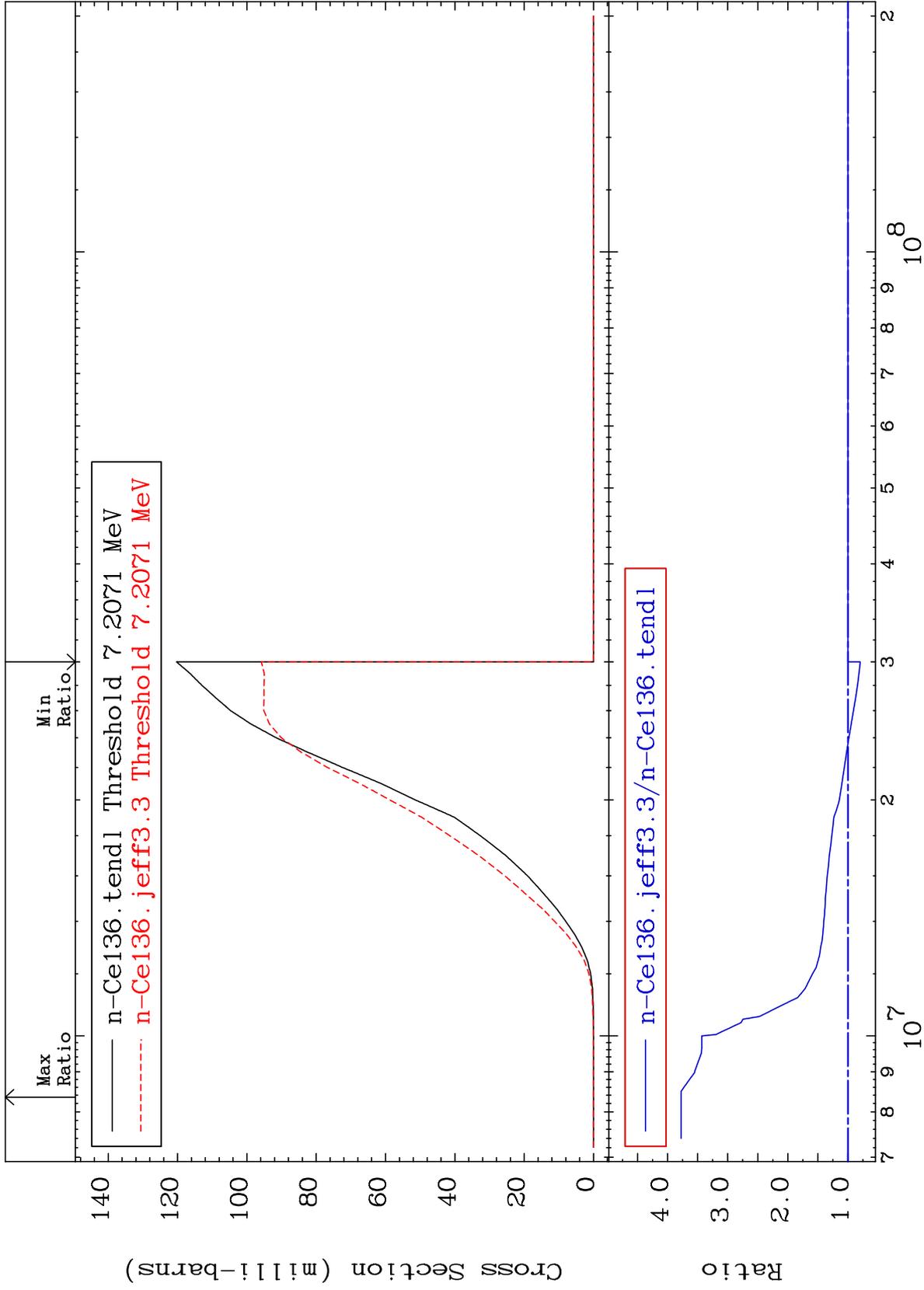
58-Ce-136
-83.44 To 9999. %



MAT 5825

(n,n') p
Cross Section

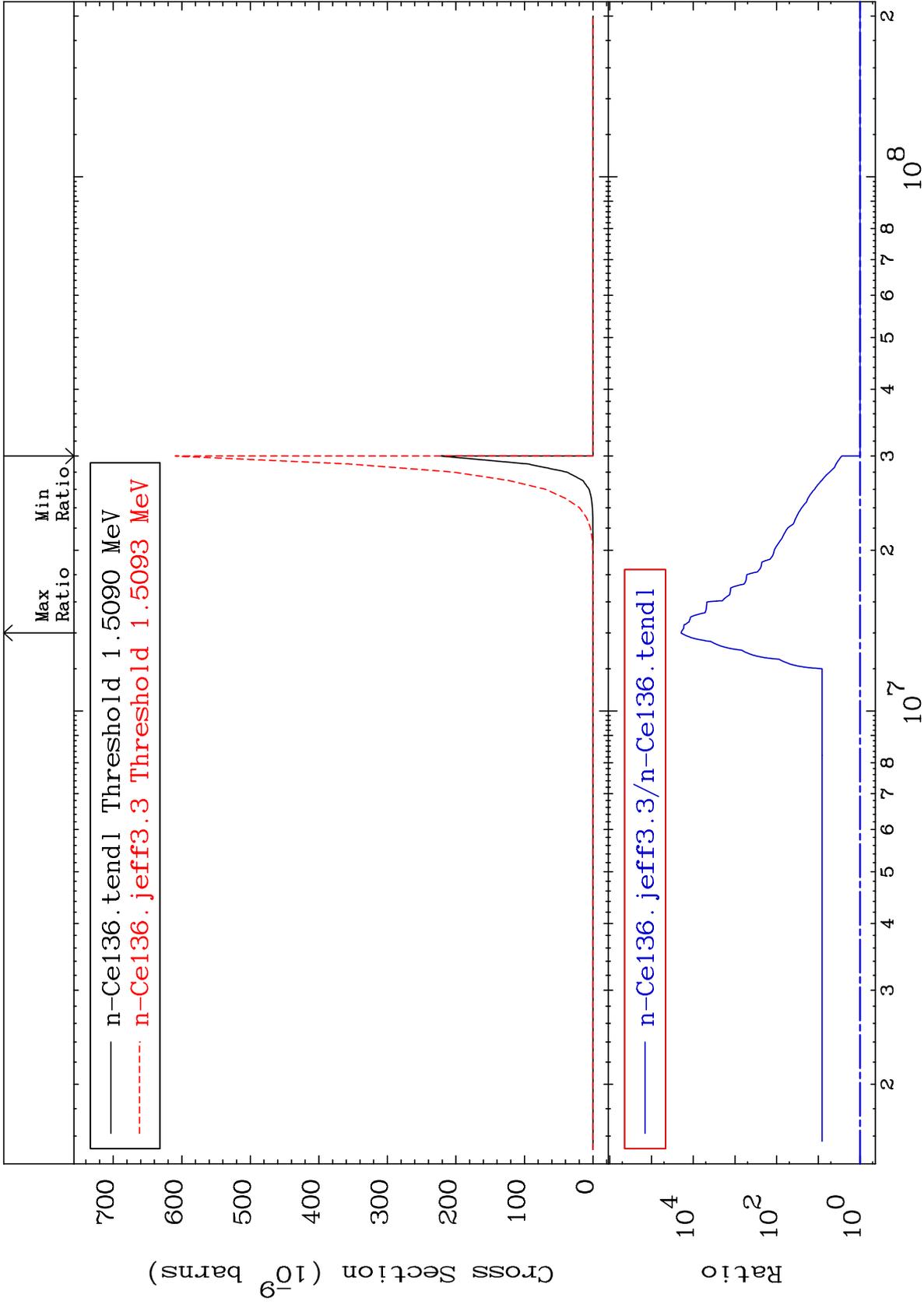
58-Ce-136
-20.35 To 277.4 %



MAT 5825

(n, n') 2α
Cross Section

58-Ce-136
To 9999. %



MAT 5825

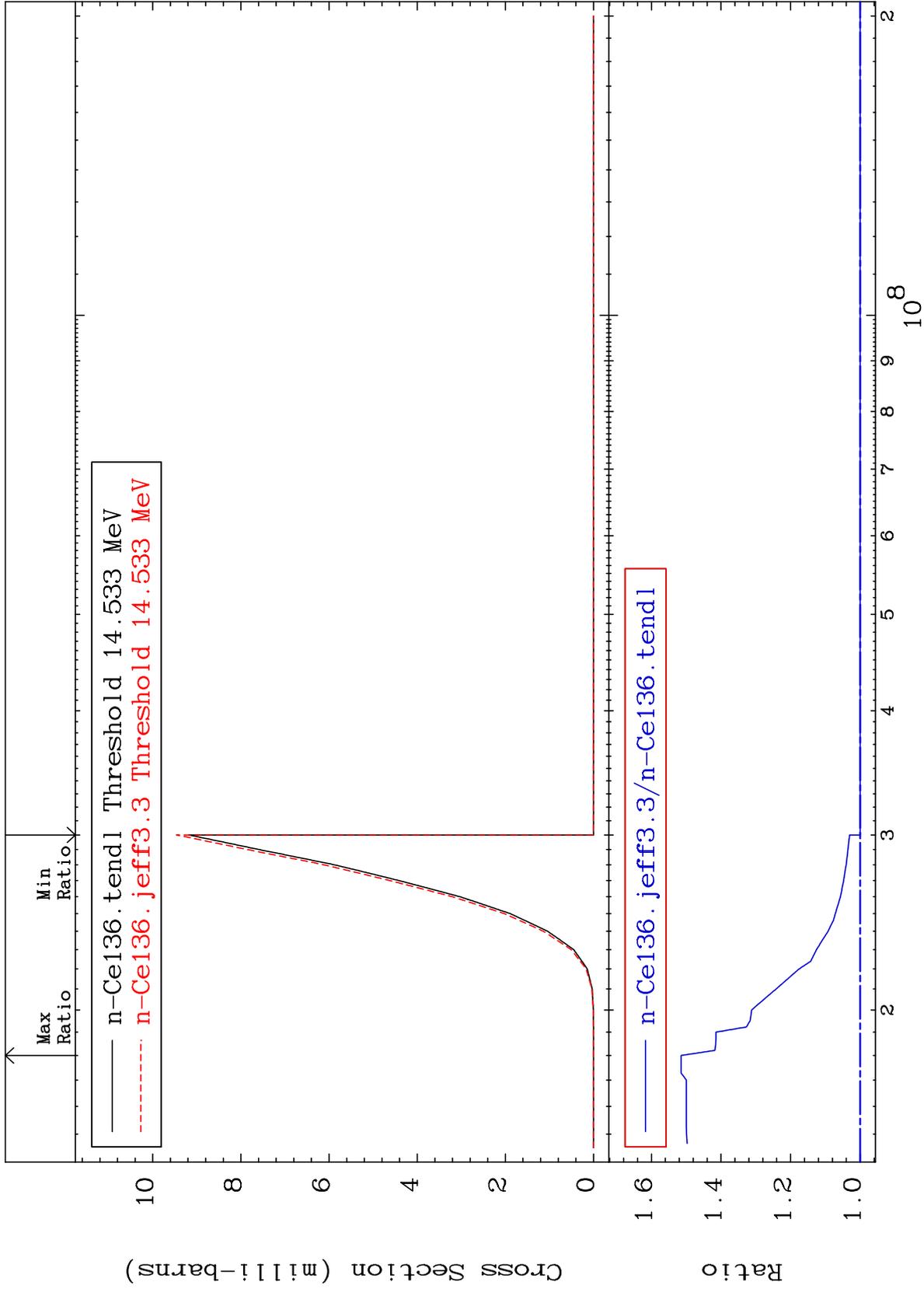
(n,n') d

58-Ce-136

Cross Section

0.000

To 51.46 %



MAT 5825

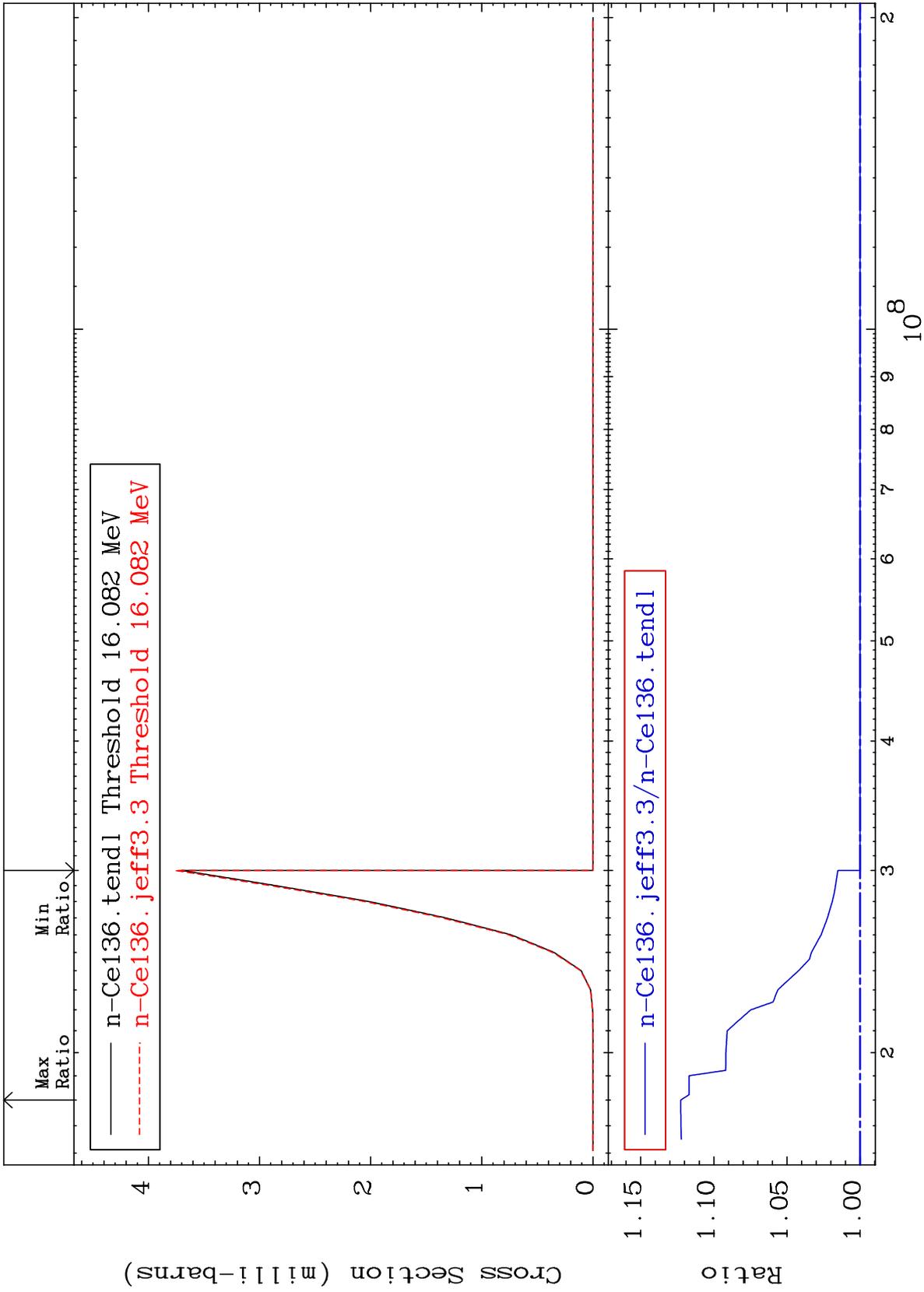
(n,n') t

58-Ce-136

Cross Section

0.000

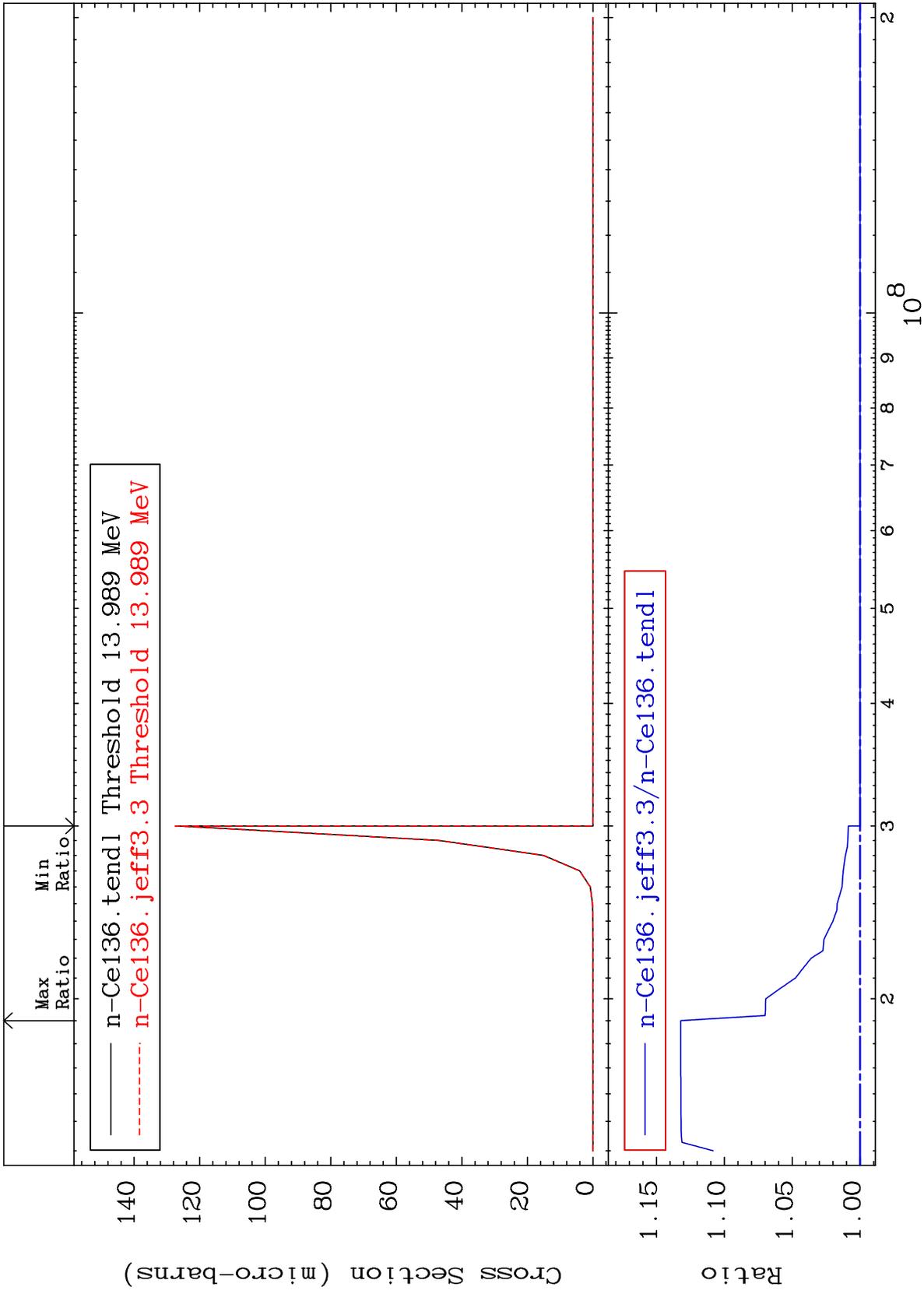
To 12.26 %



MAT 5825

(n, n') He-3
Cross Section

58-Ce-136
To 13.21 %



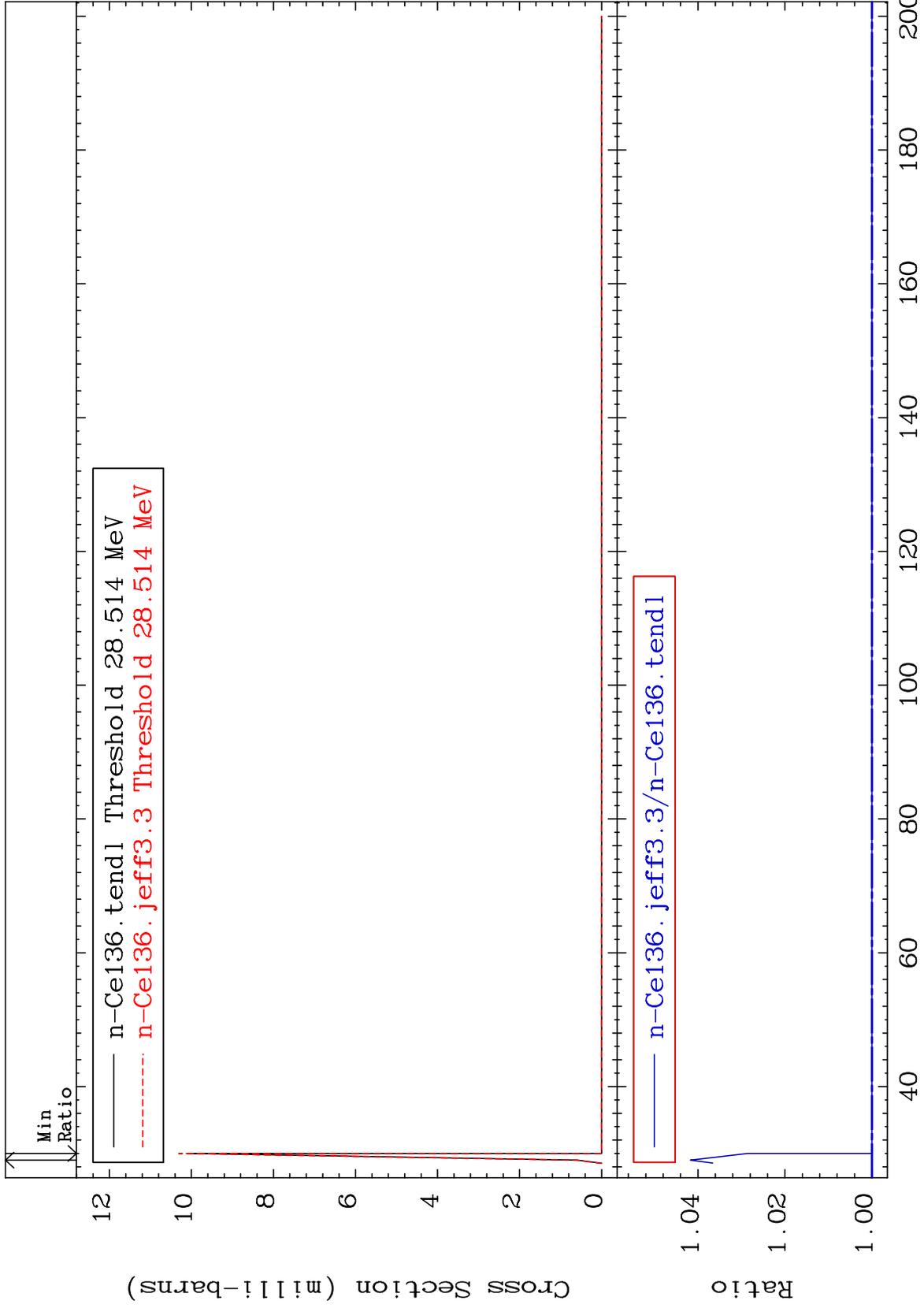
MAT 5825

(n,4n)

58-Ce-136

Cross Section

0.000 To 4.172 %



15

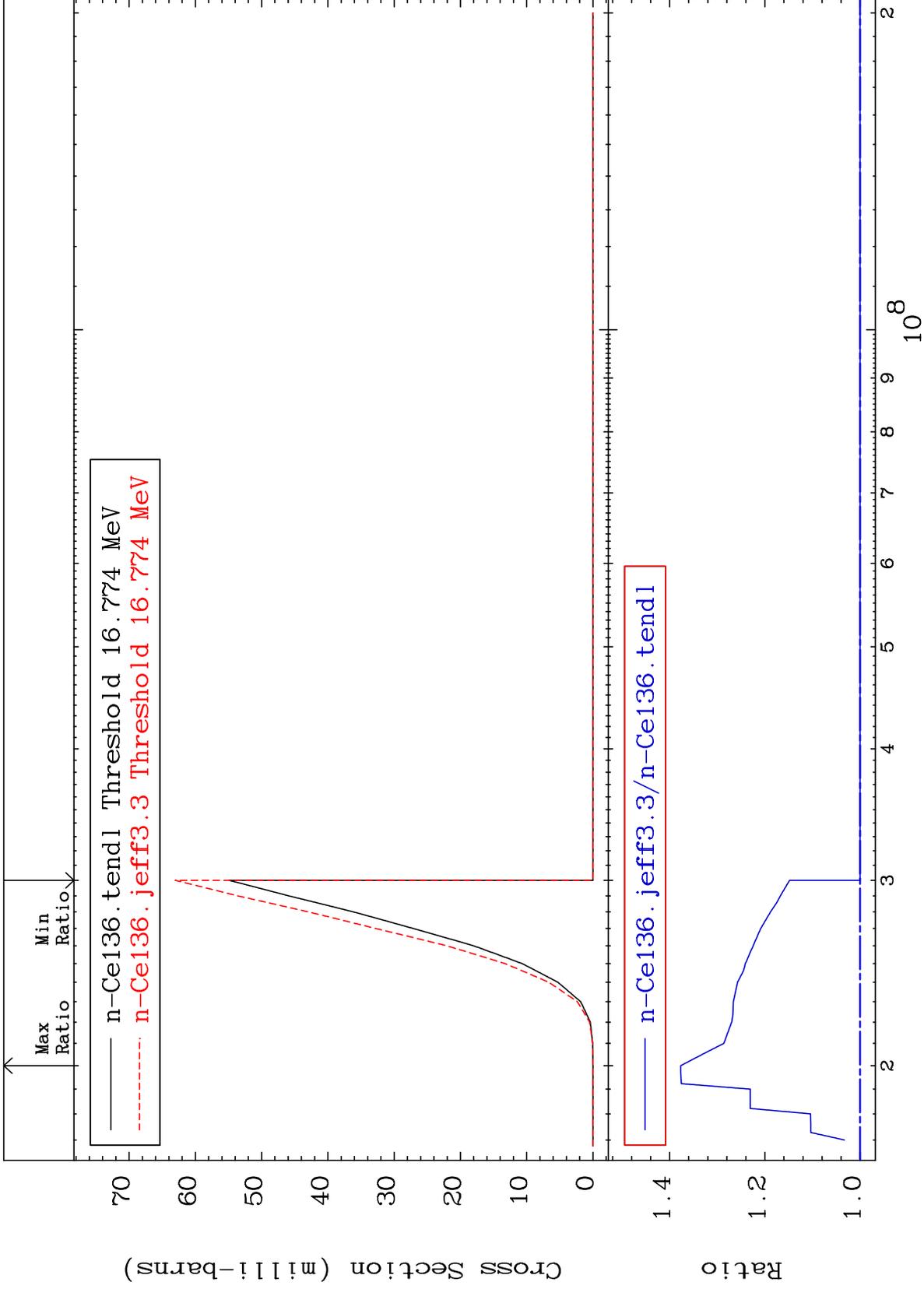
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,2n) p
Cross Section

58-Ce-136
0.000 To 37.68 %



16

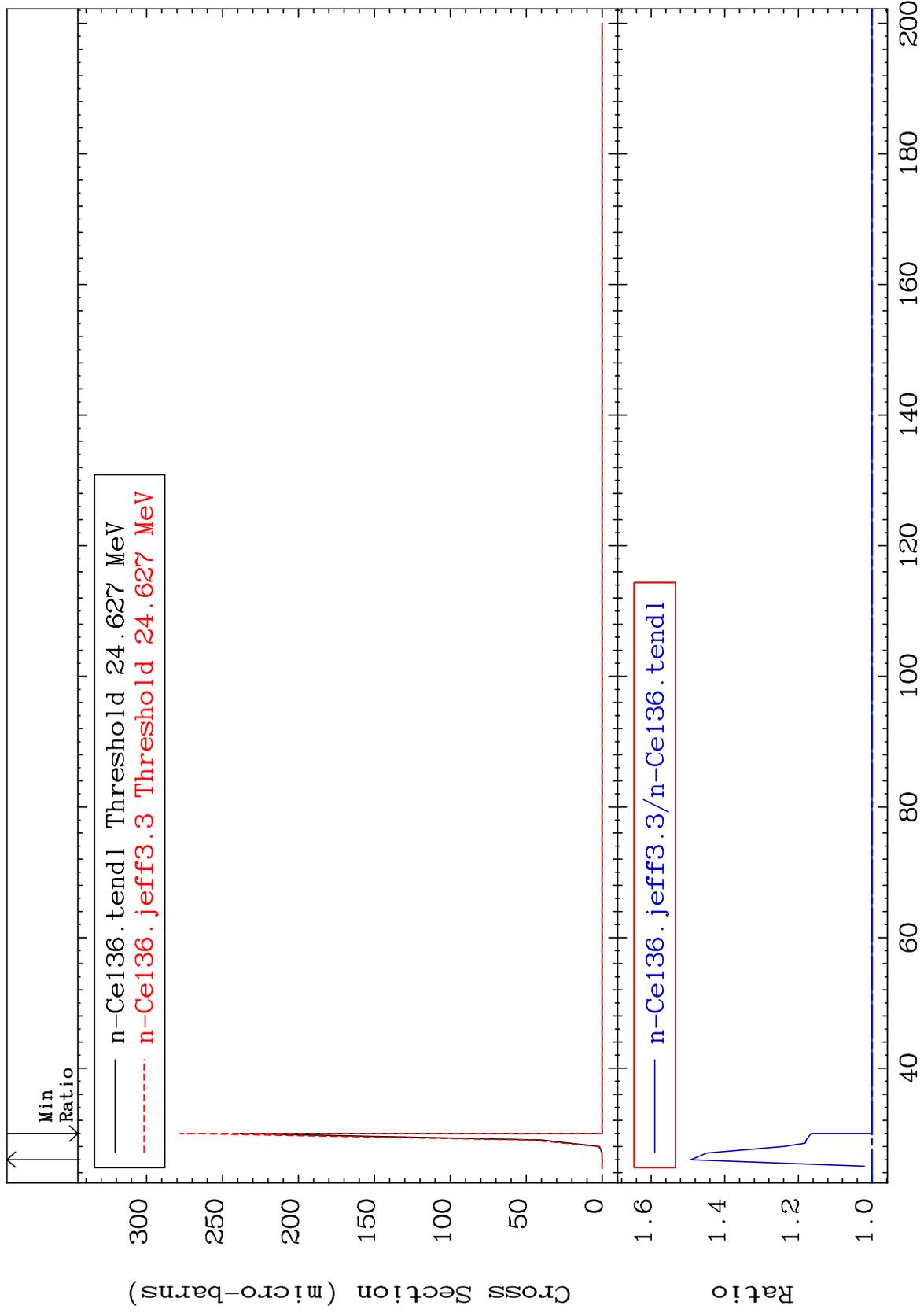
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,3n) p
Cross Section

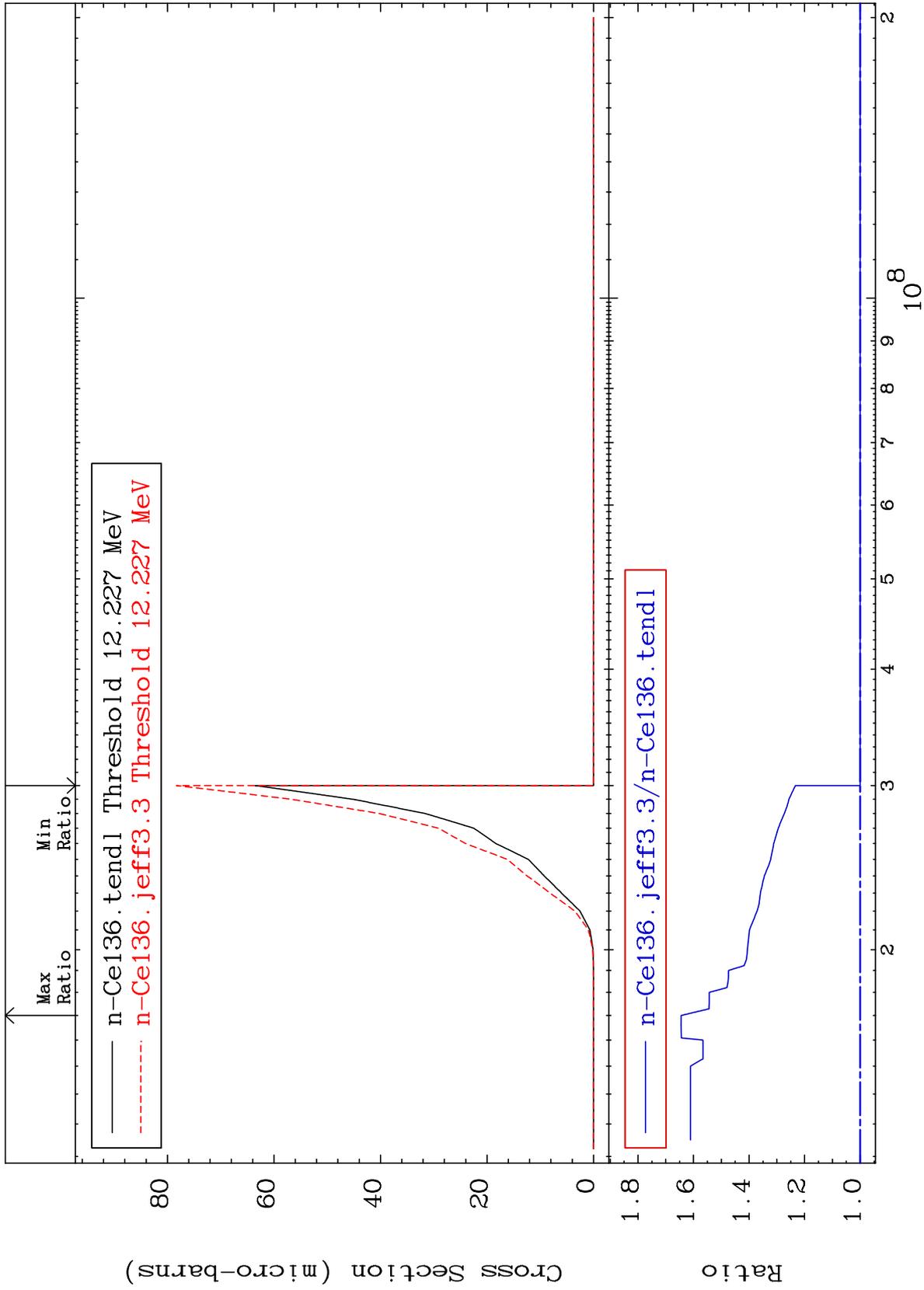
58-Ce-136
To 49.21 %



MAT 5825

(n,2n) p
Cross Section

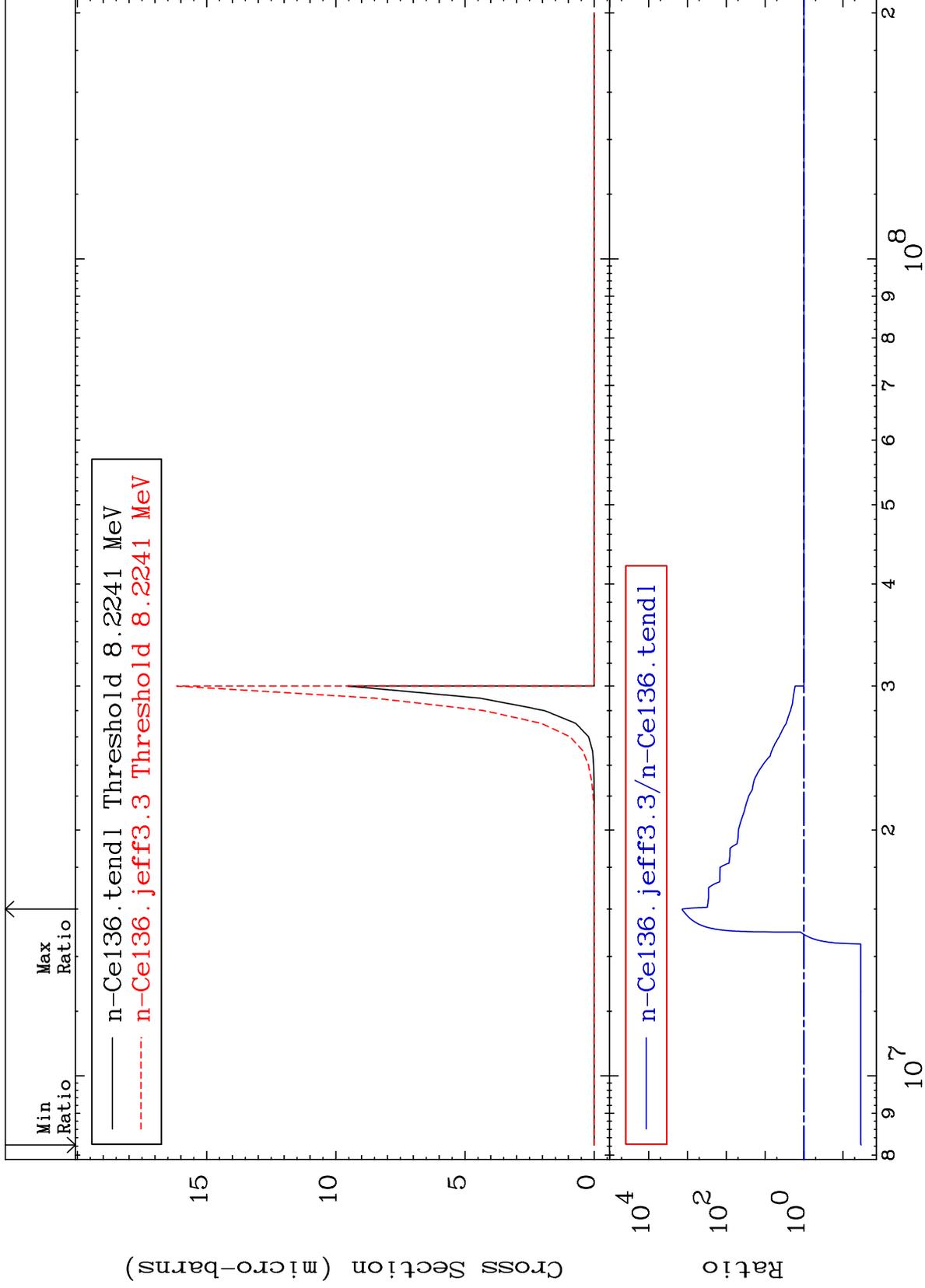
58-Ce-136
0.000 To 64.44 %



MAT 5825

(n,n') p α
Cross Section

58-Ce-136
-96.61 To 9999. %



19

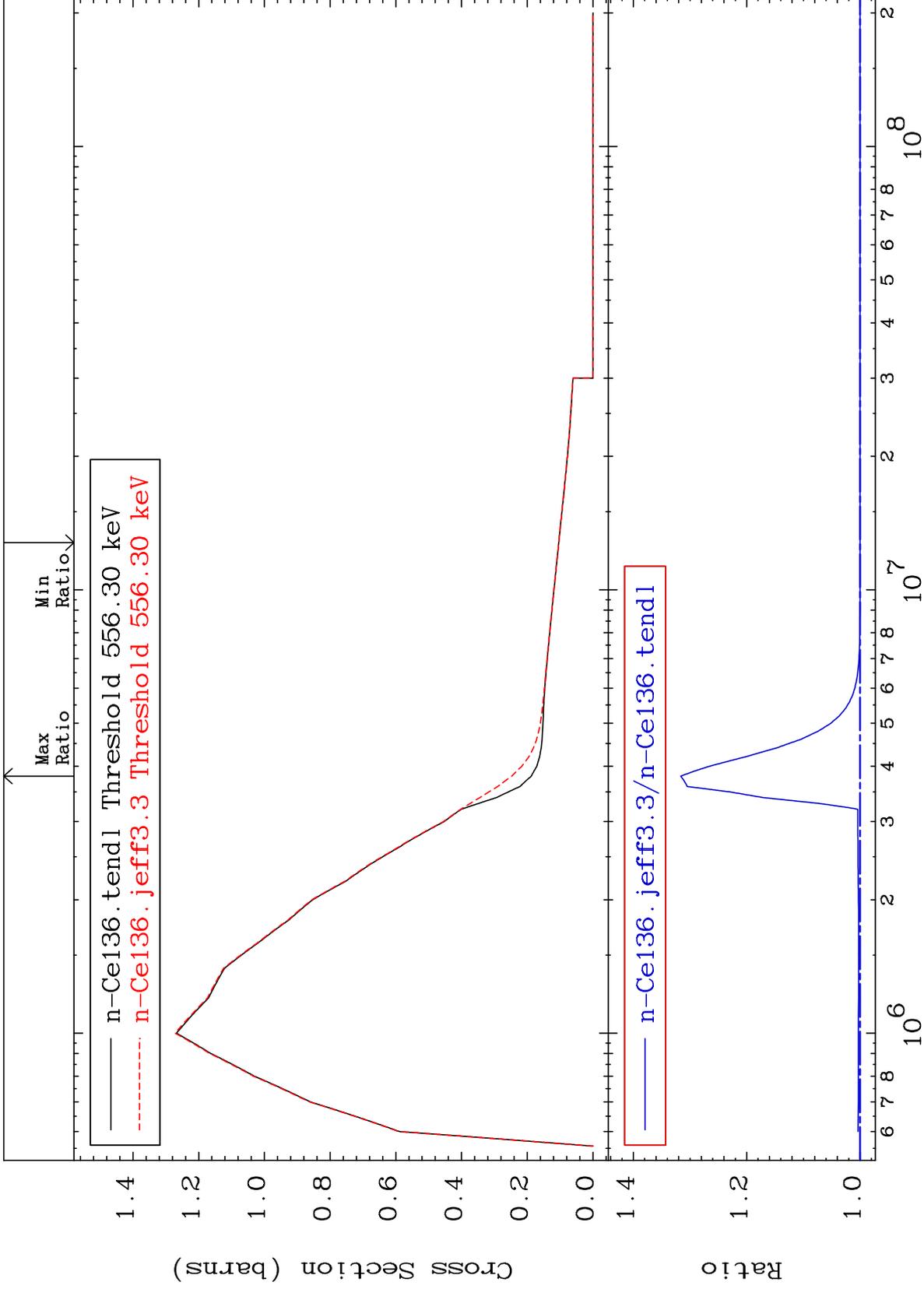
Incident Energy (eV)

58-Ce-136

MAT 5825

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

58-Ce-136
0.000 To 31.63 %



20

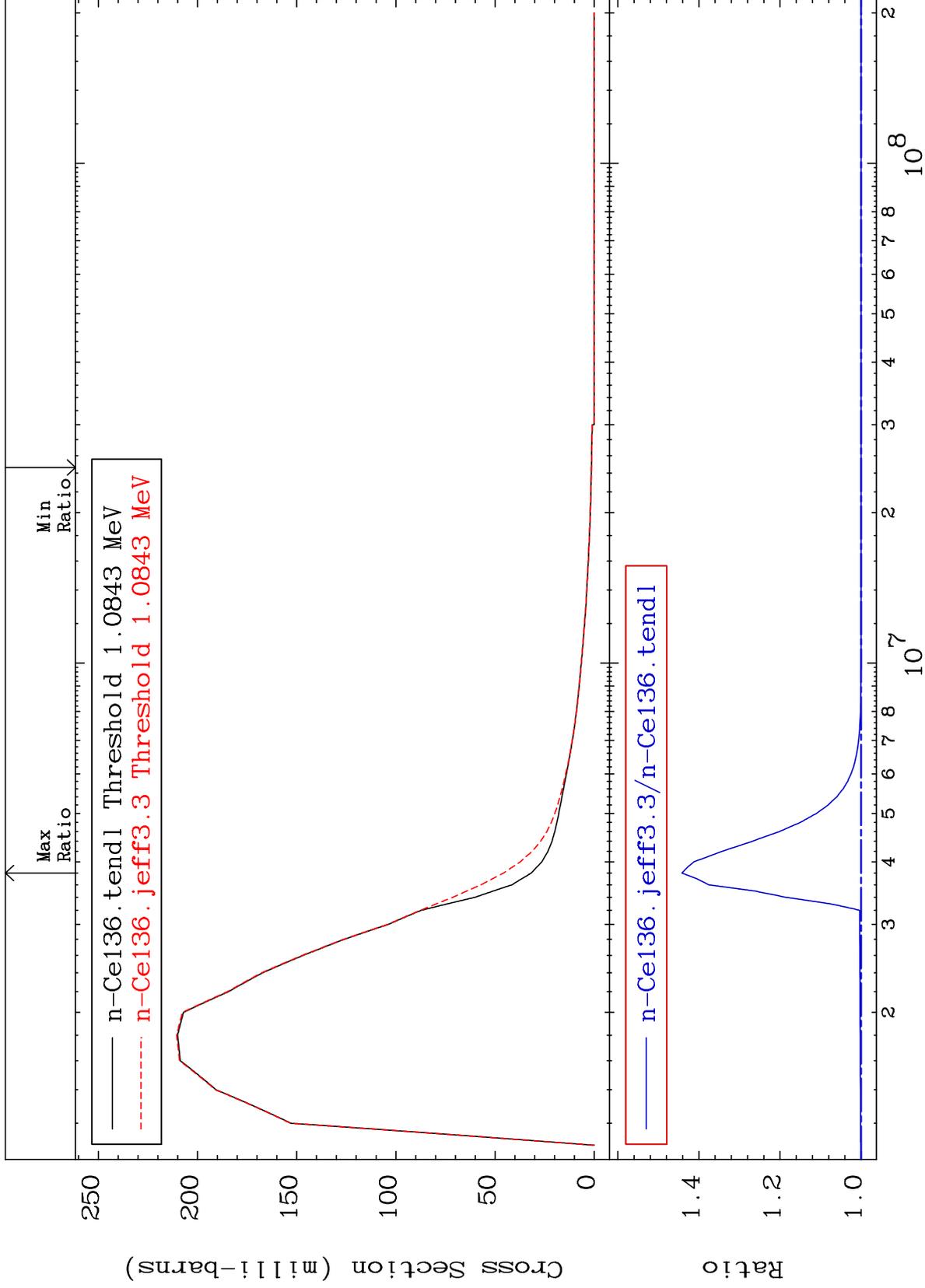
Incident Energy (eV)

58-Ce-136

MAT 5825

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

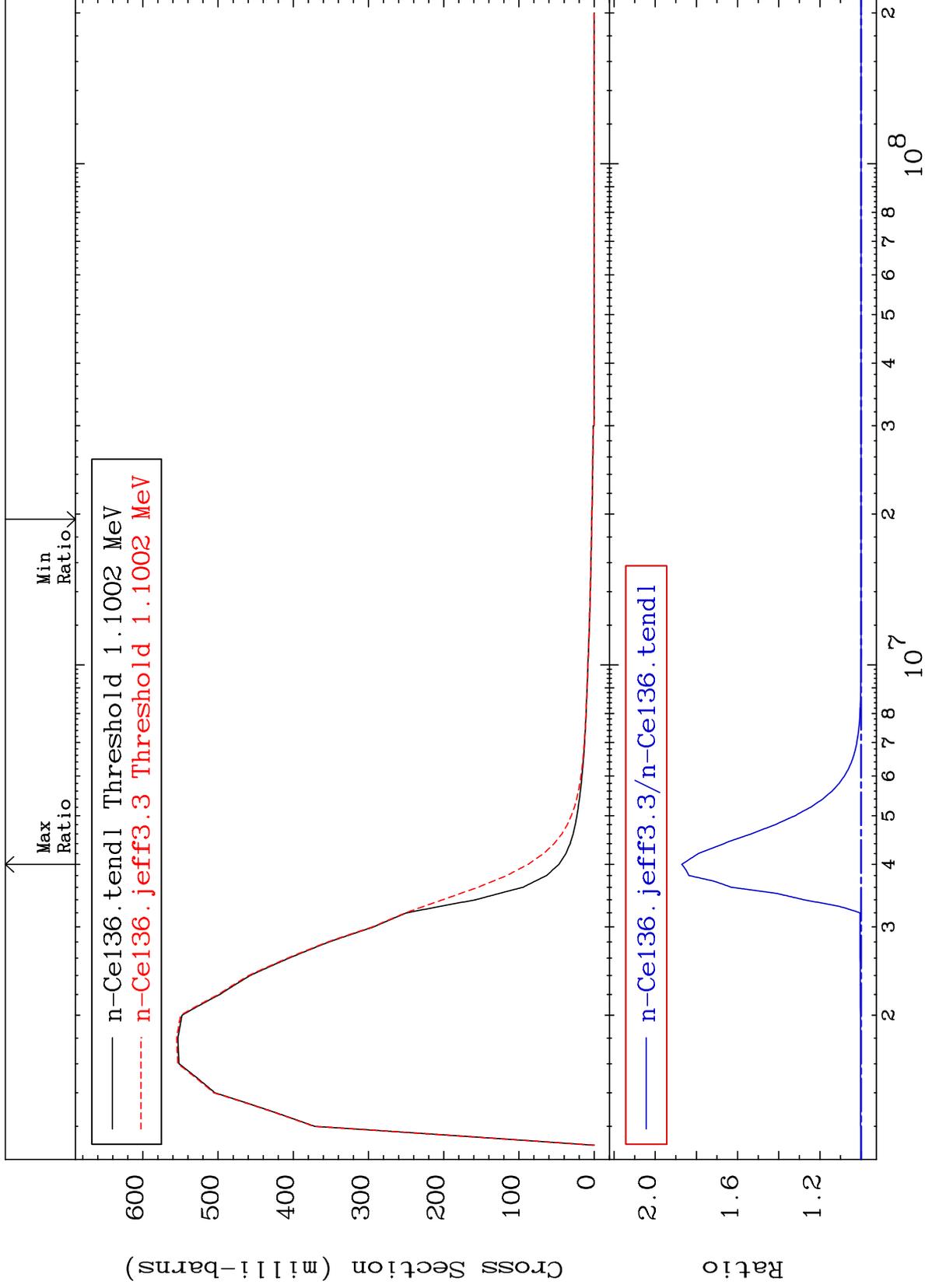
58-Ce-136
To 44.20 %



MAT 5825

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

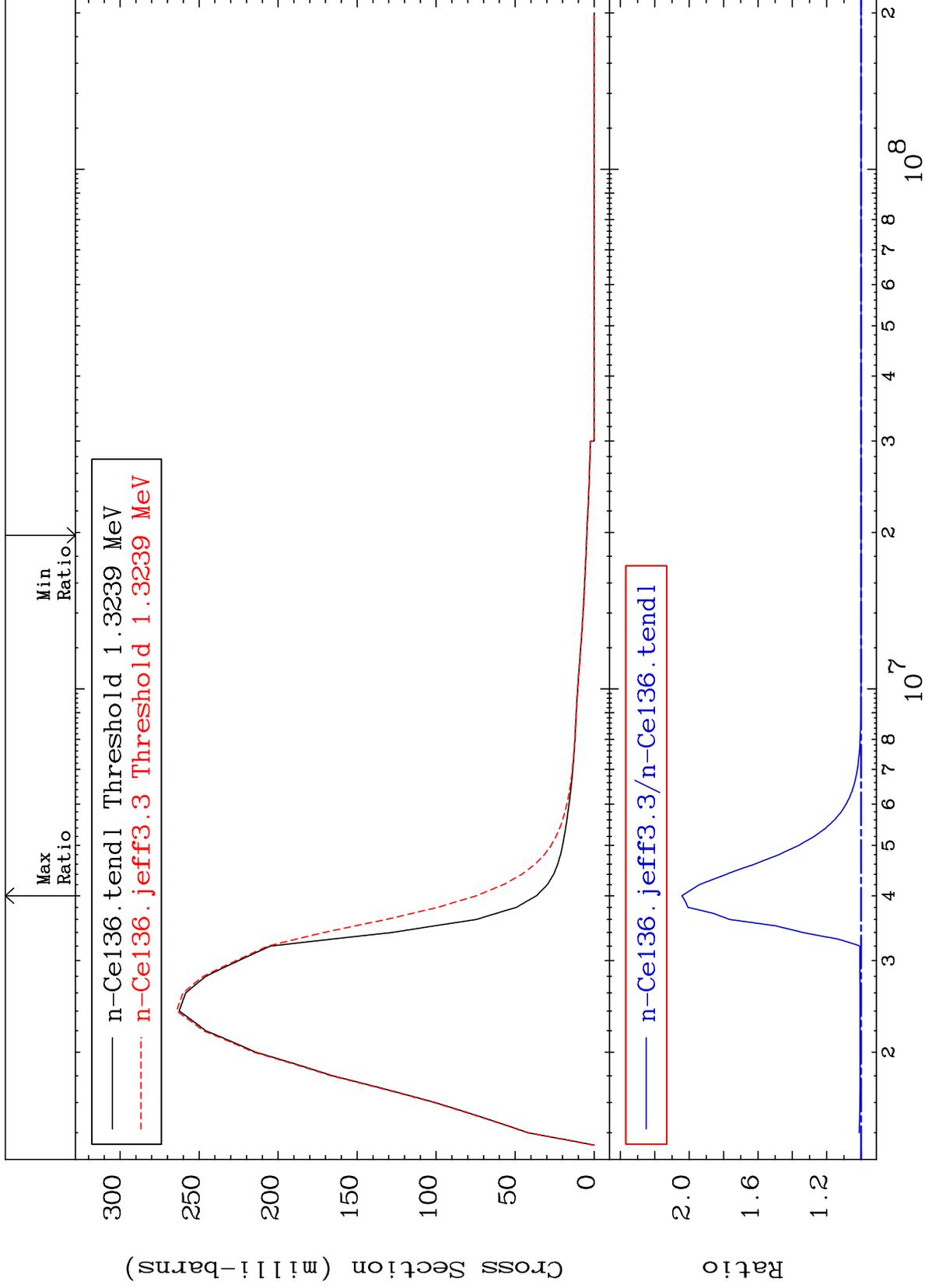
58-Ce-136
To 87.05 %



MAT 5825

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

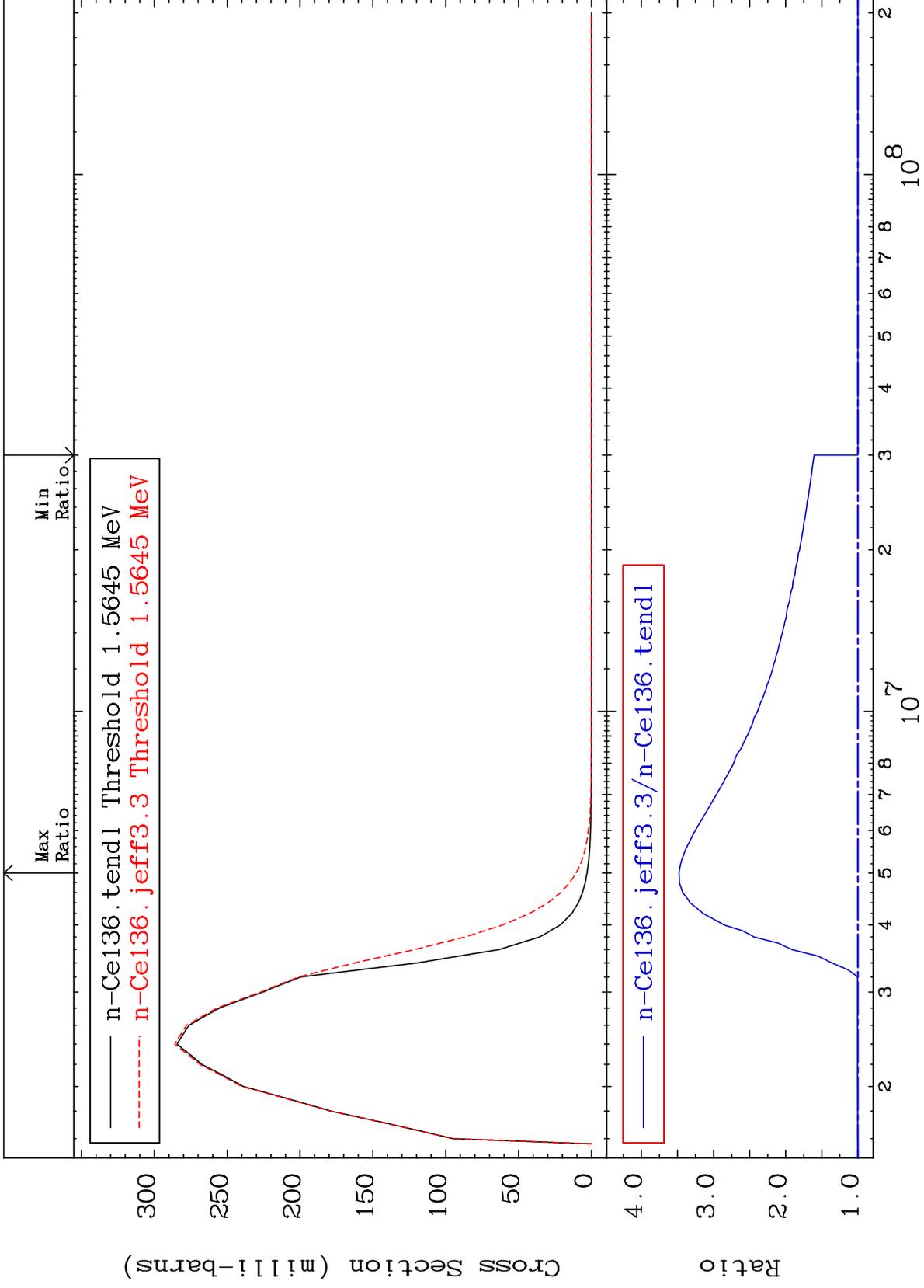
58-Ce-136
To 104.2 %



MAT 5825

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

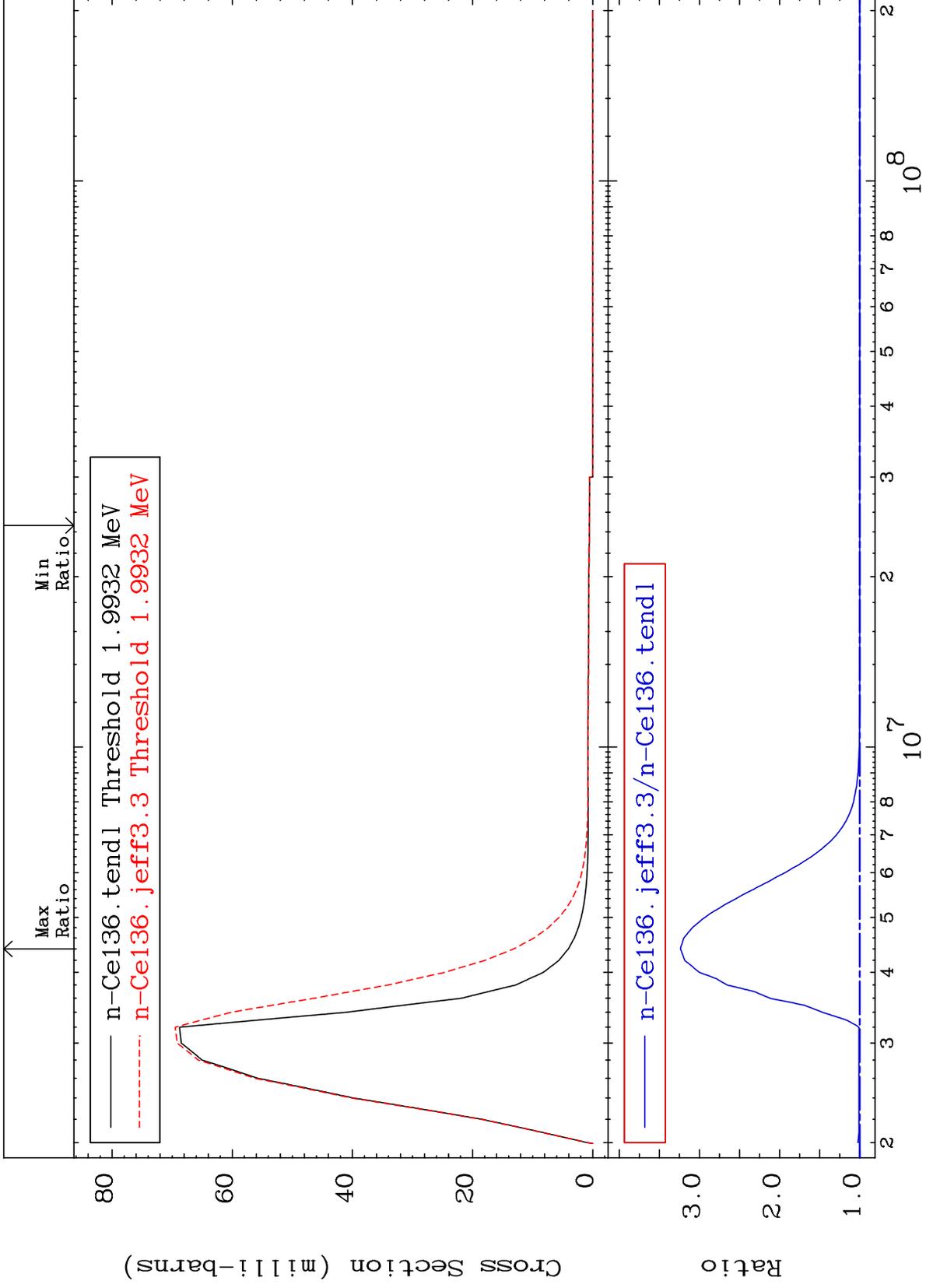
58-Ce-136
To 247.8 %



MAT 5825

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

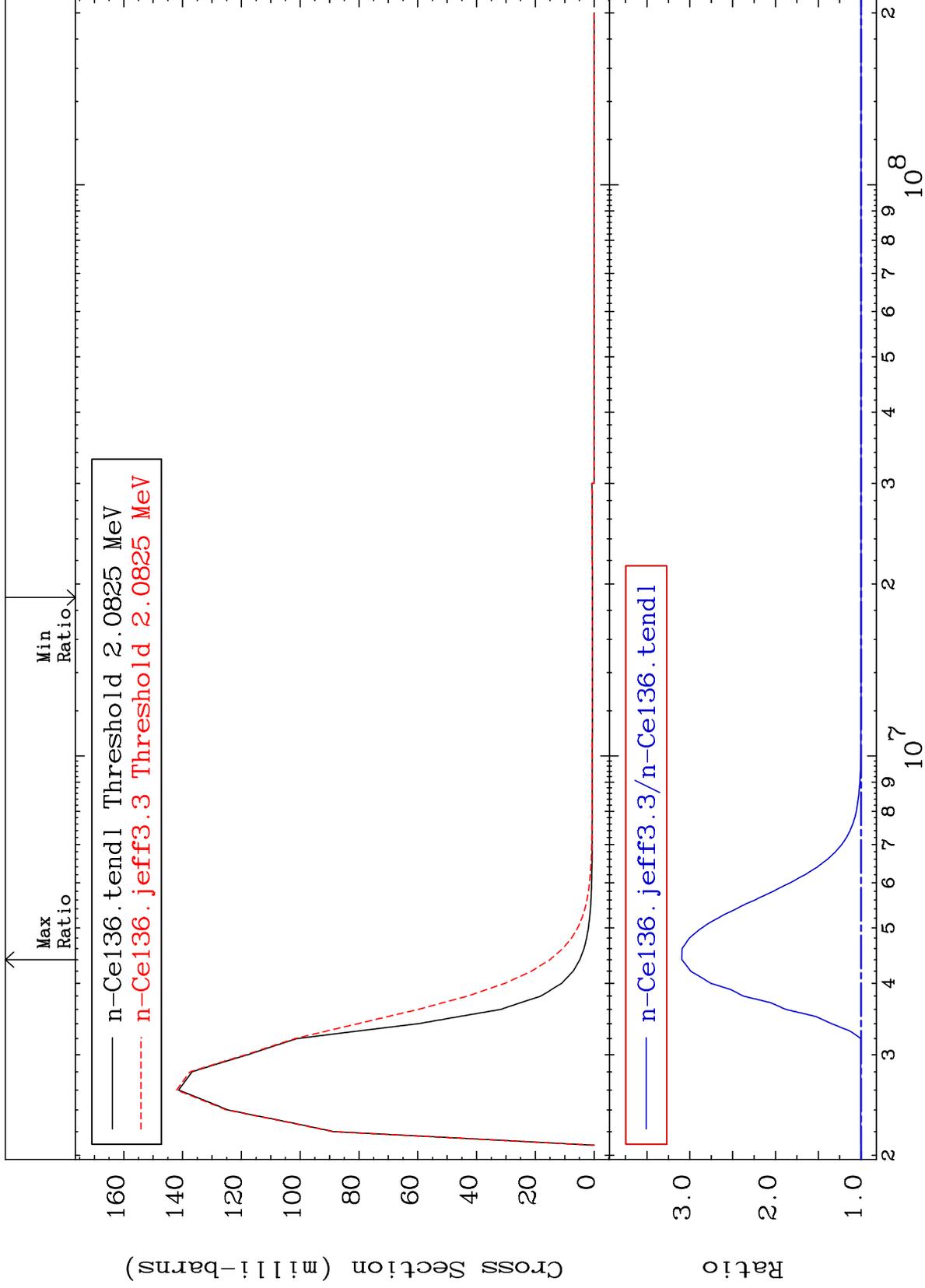
58-Ce-136
To 223.6 %



MAT 5825

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

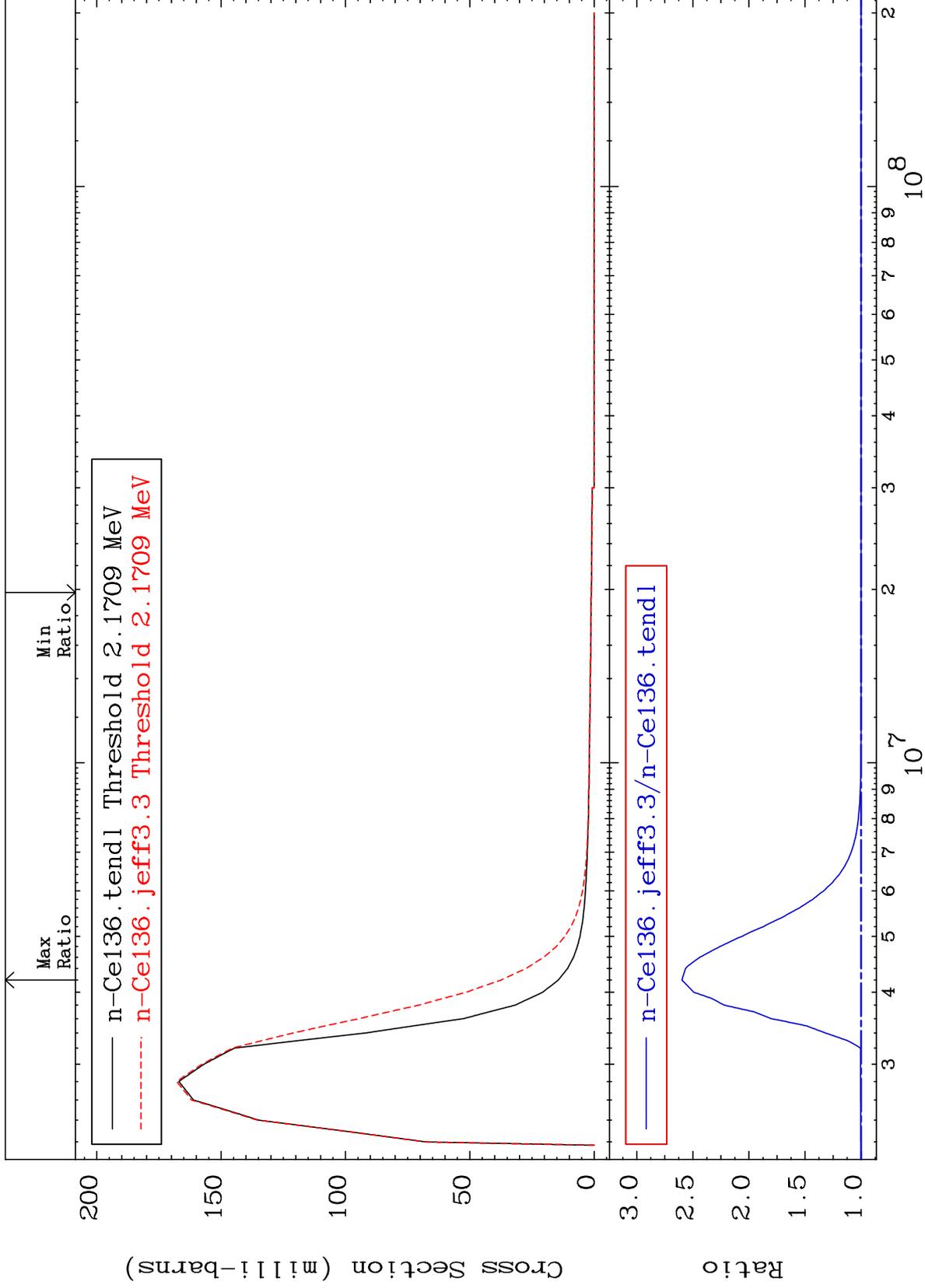
58-Ce-136
To 209.3 %



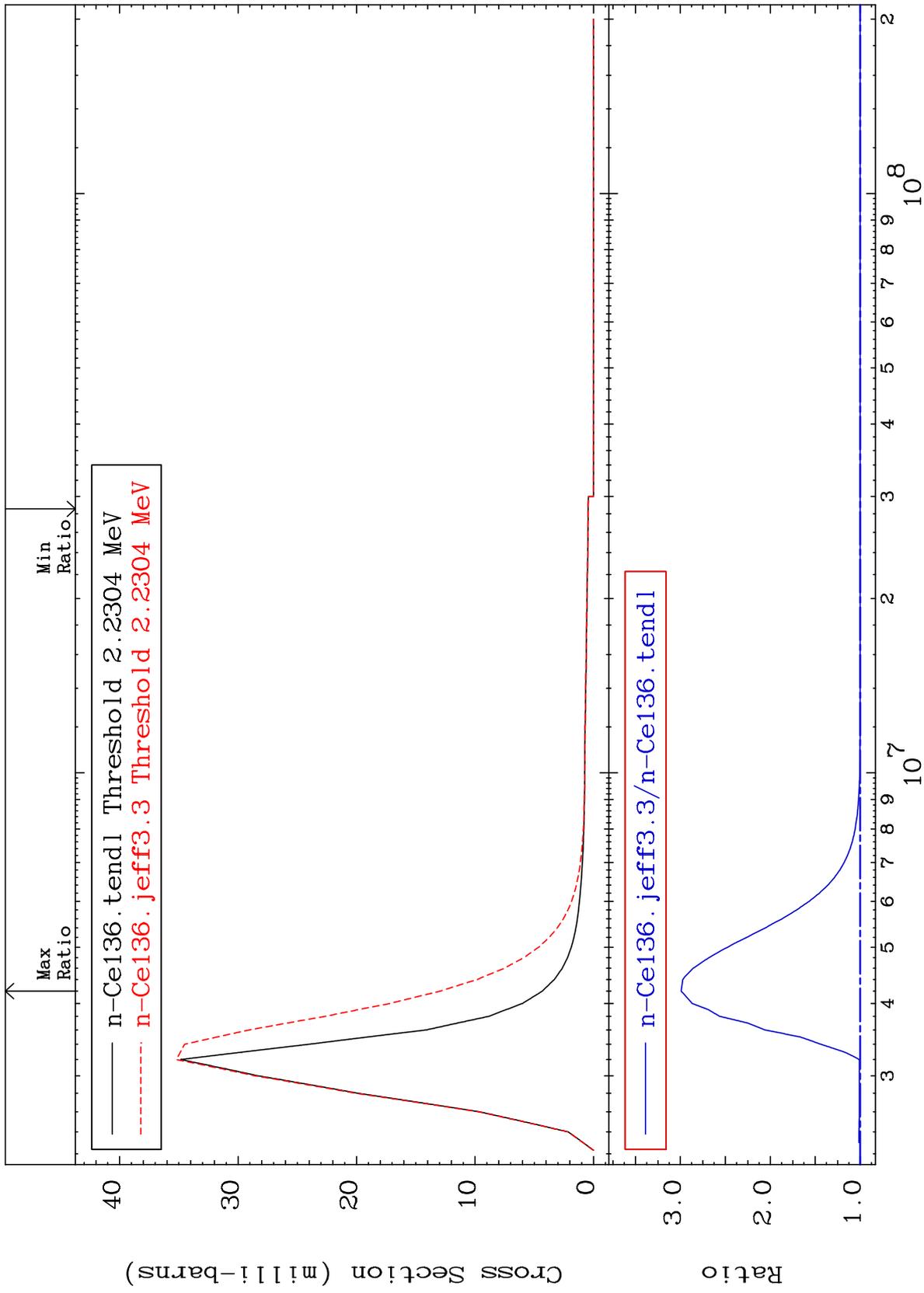
MAT 5825

MT= 58 (n,n') Level
Cross Section

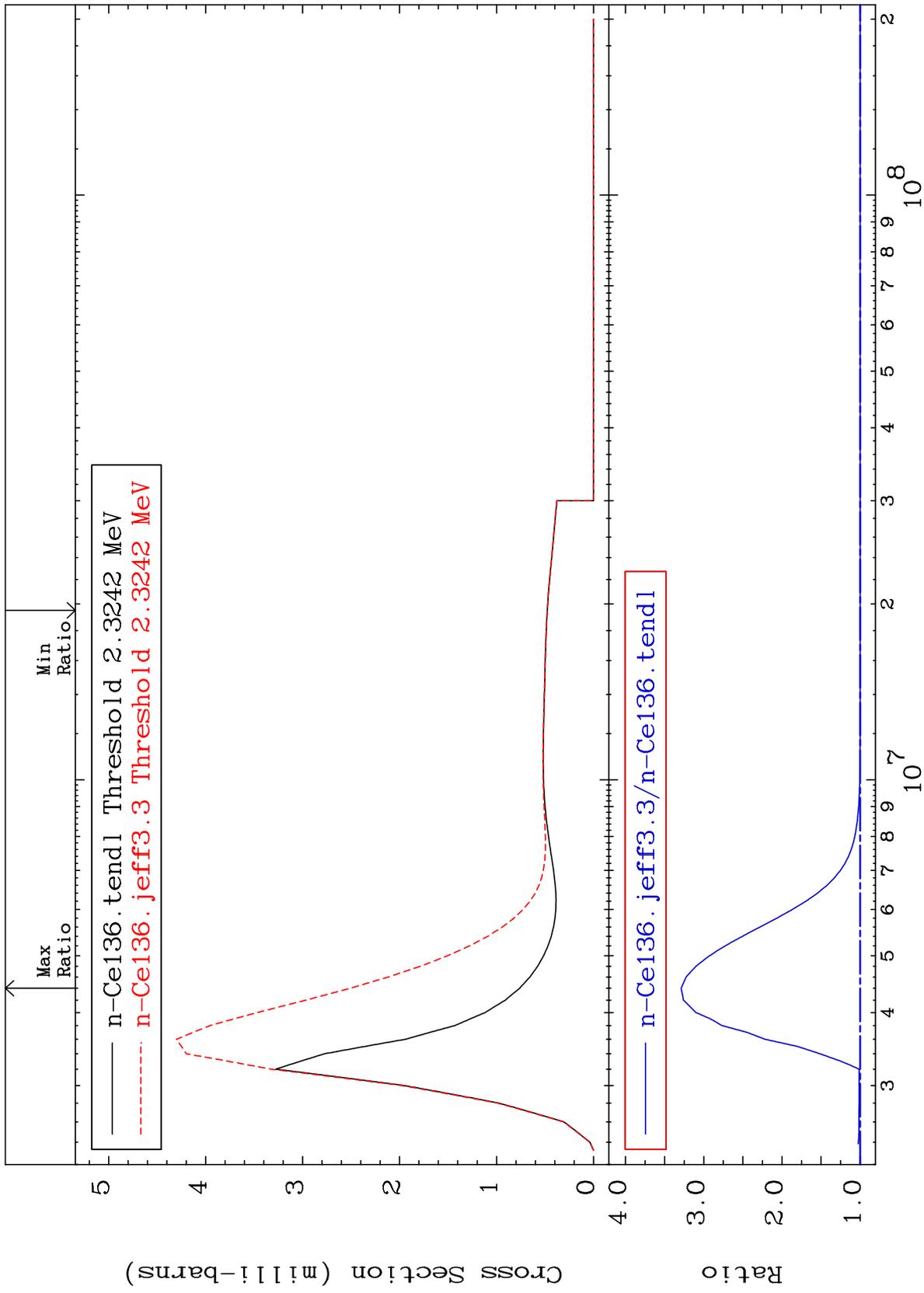
58-Ce-136
To 159.7 %



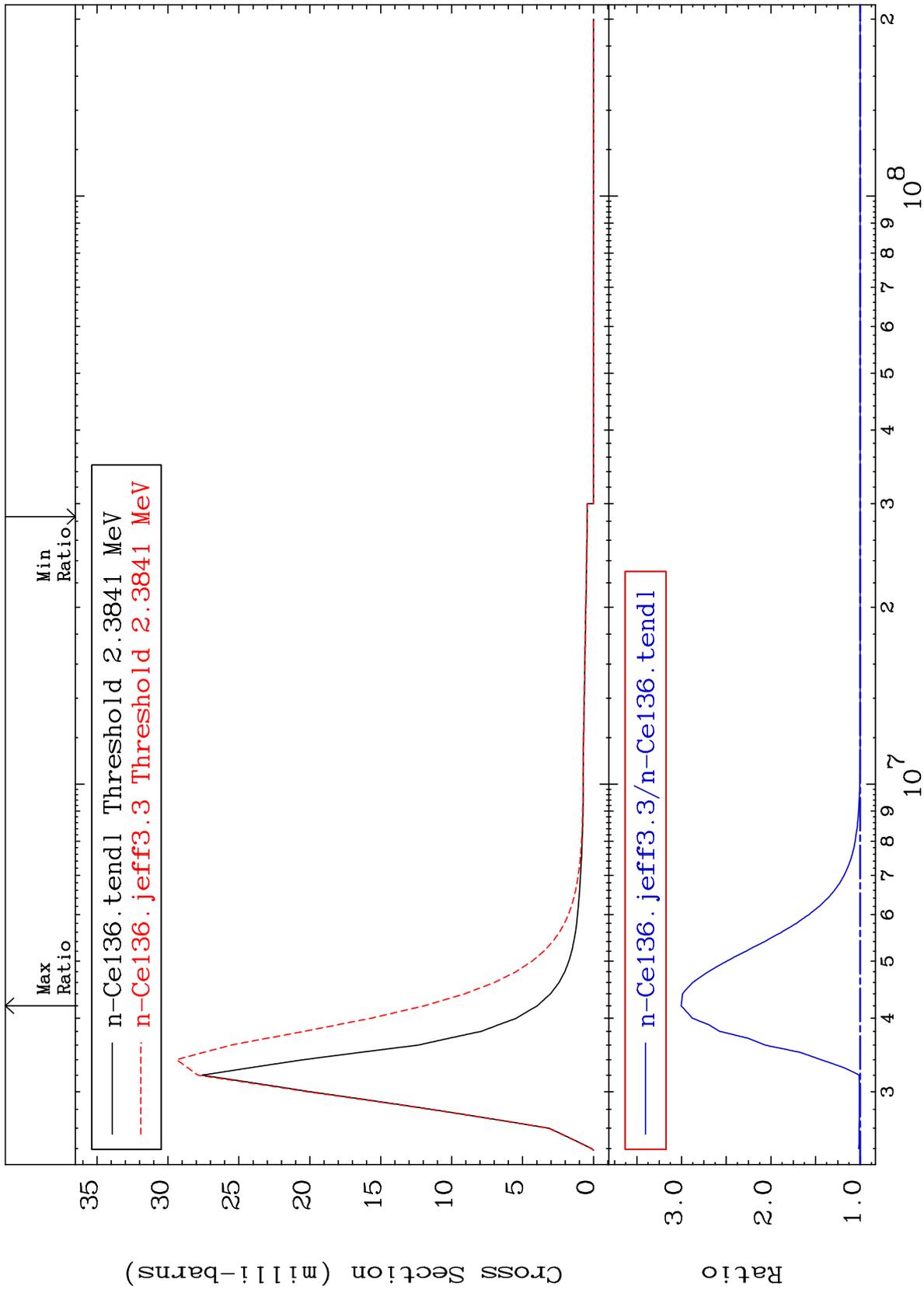
MAT 5825 MT= 59 (n,n') Level Cross Section 58-Ce-136 To 199.1 %



MAT 5825 MT= 60 (n,n') Level Cross Section 58-Ce-136 To 228.9 %



MAT 5825 MT= 61 (n,n') Level Cross Section 58-Ce-136 To 200.4 %

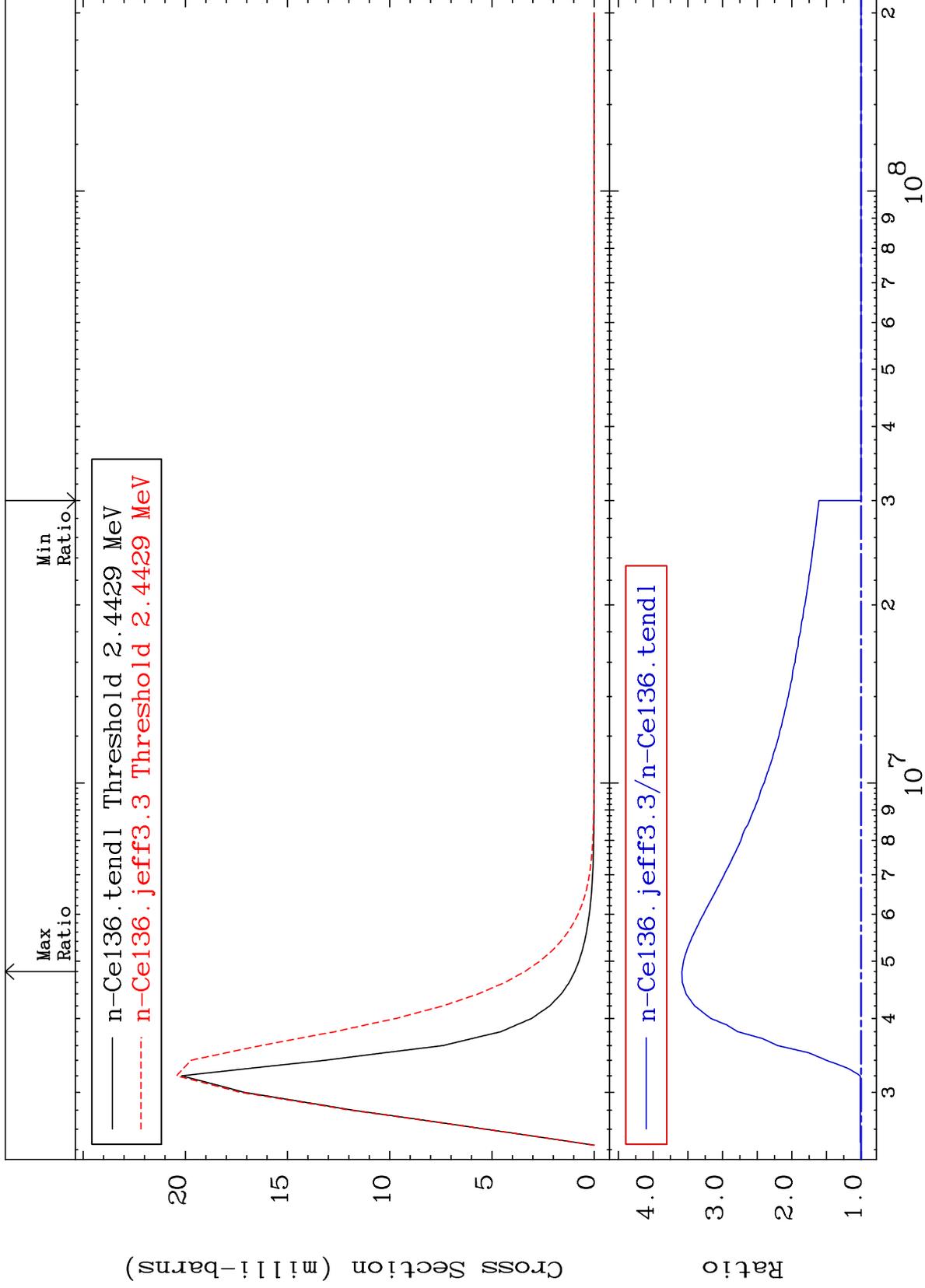


30 Incident Energy (eV) 58-Ce-136

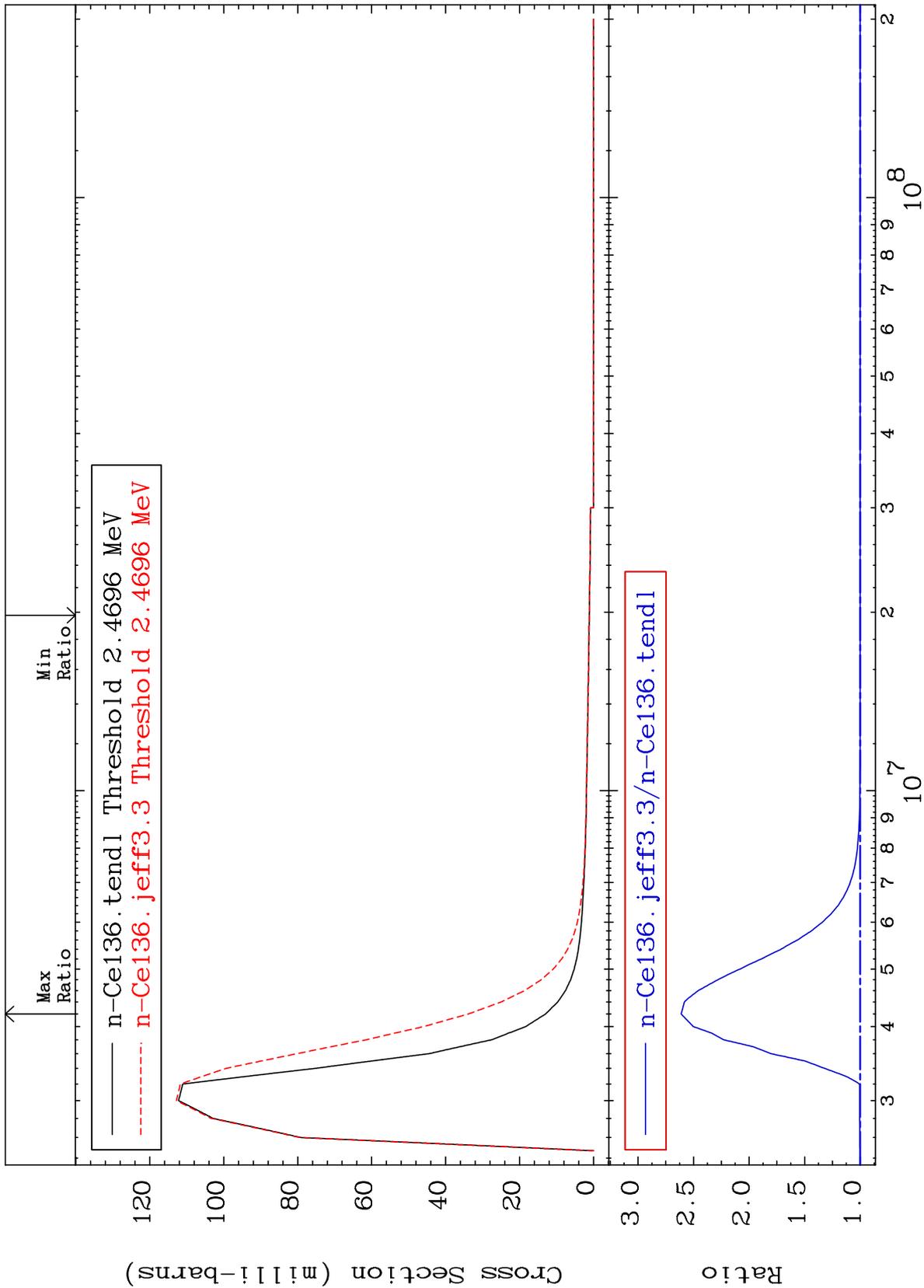
MAT 5825

MT= 62 (n,n') Level
Cross Section

58-Ce-136
To 258.5 %



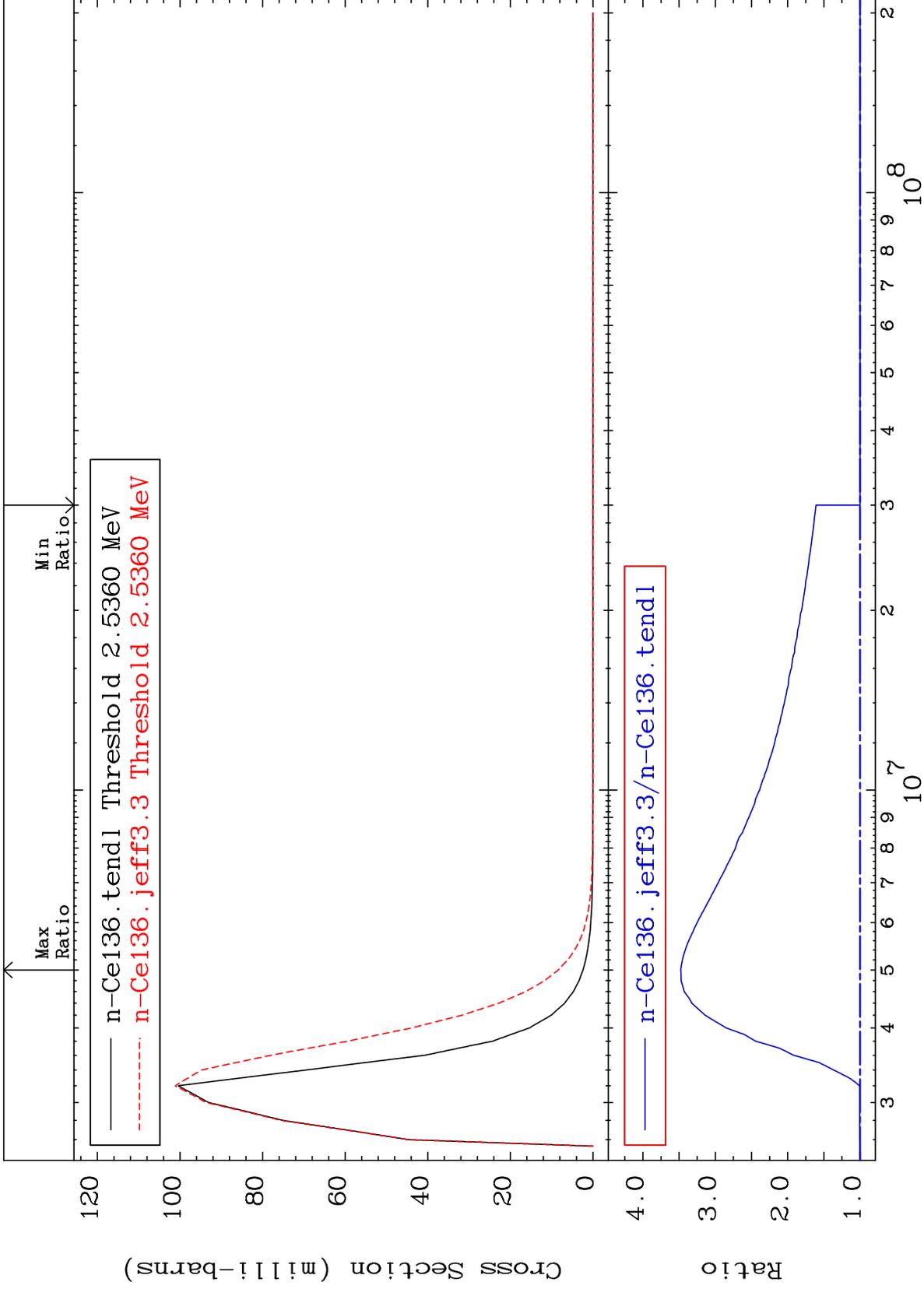
MAT 5825 MT= 63 (n,n') Level Cross Section 58-Ce-136 To 161.1 %



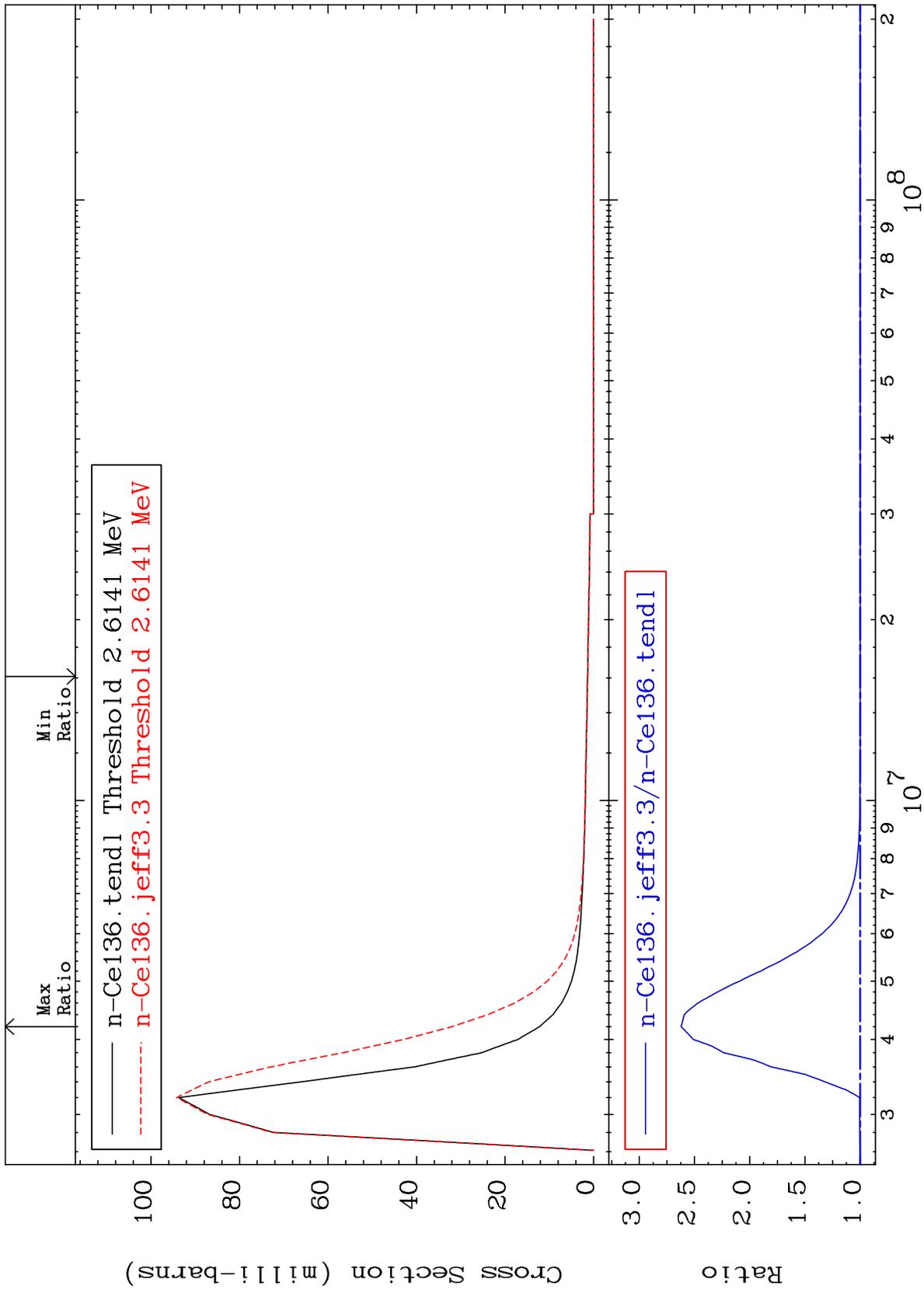
MAT 5825

MT= 64 (n, n') Level
Cross Section

58-Ce-136
To 247.7 %



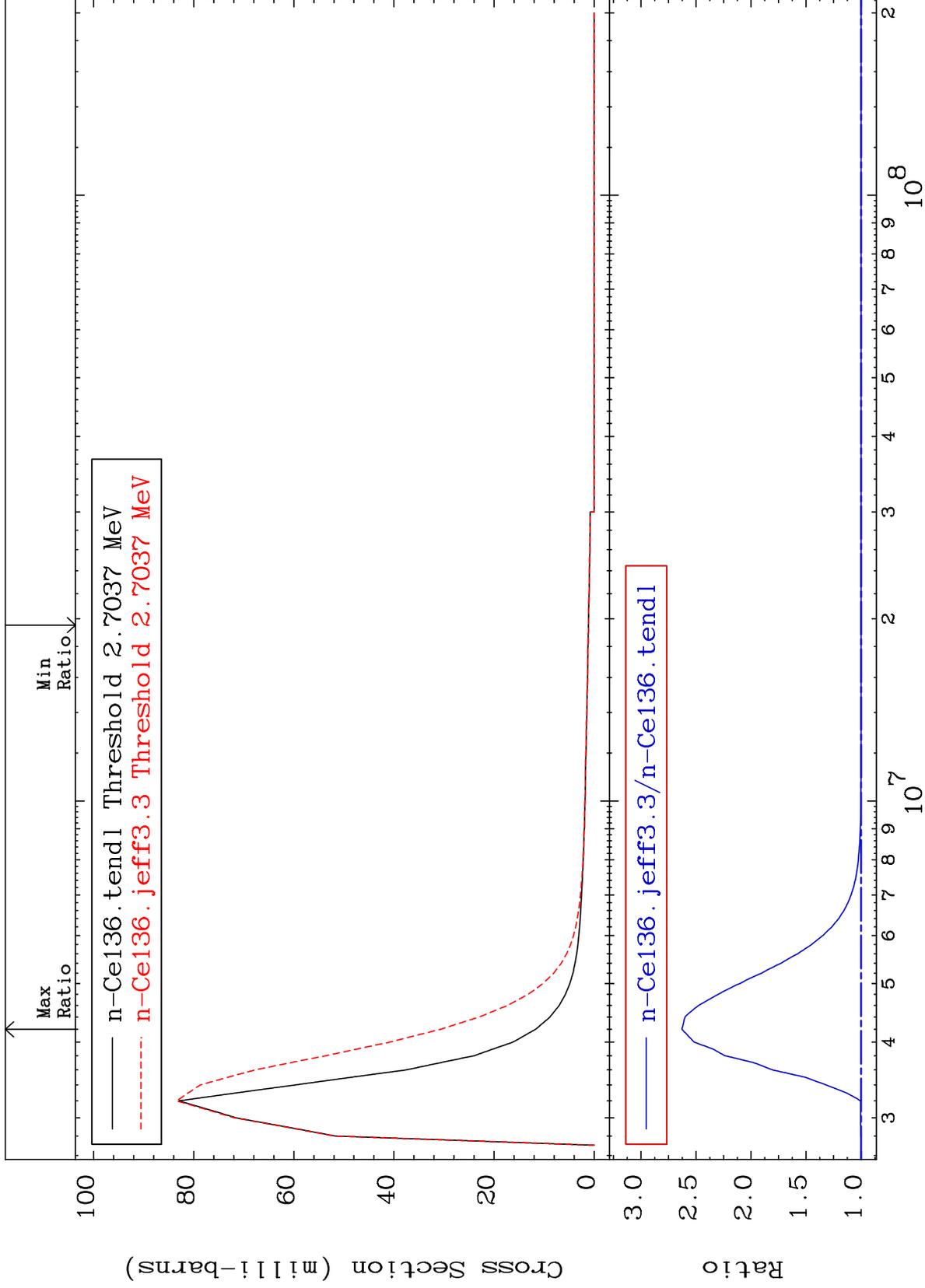
MAT 5825 MT= 65 (n,n') Level Cross Section 58-Ce-136 To 162.1 %



MAT 5825

MT= 66 (n,n') Level
Cross Section

58-Ce-136
To 162.8 %



35

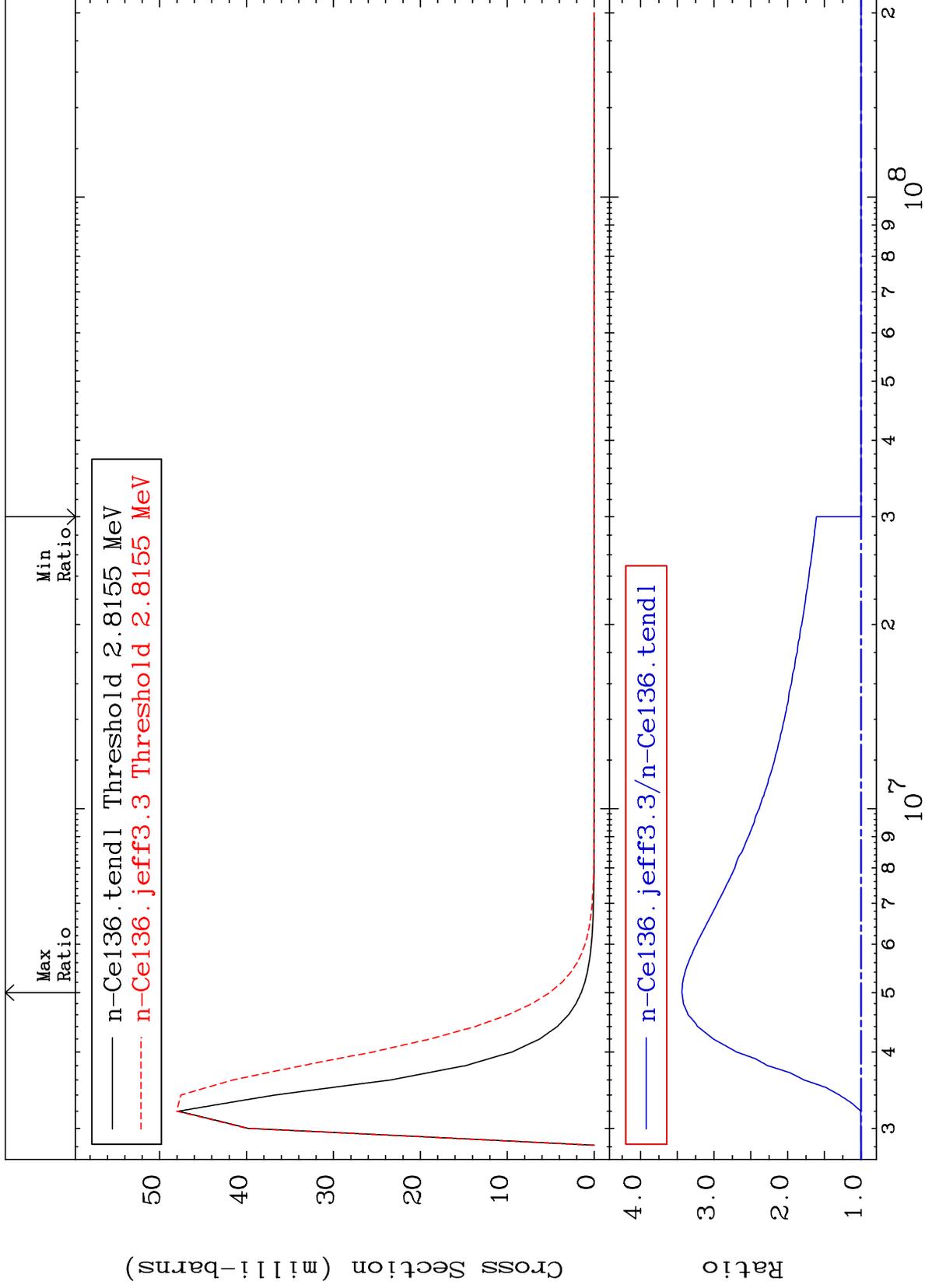
Incident Energy (eV)

58-Ce-136

MAT 5825

MT= 67 (n, n') Level
Cross Section

58-Ce-136
0.000 To 243.7 %

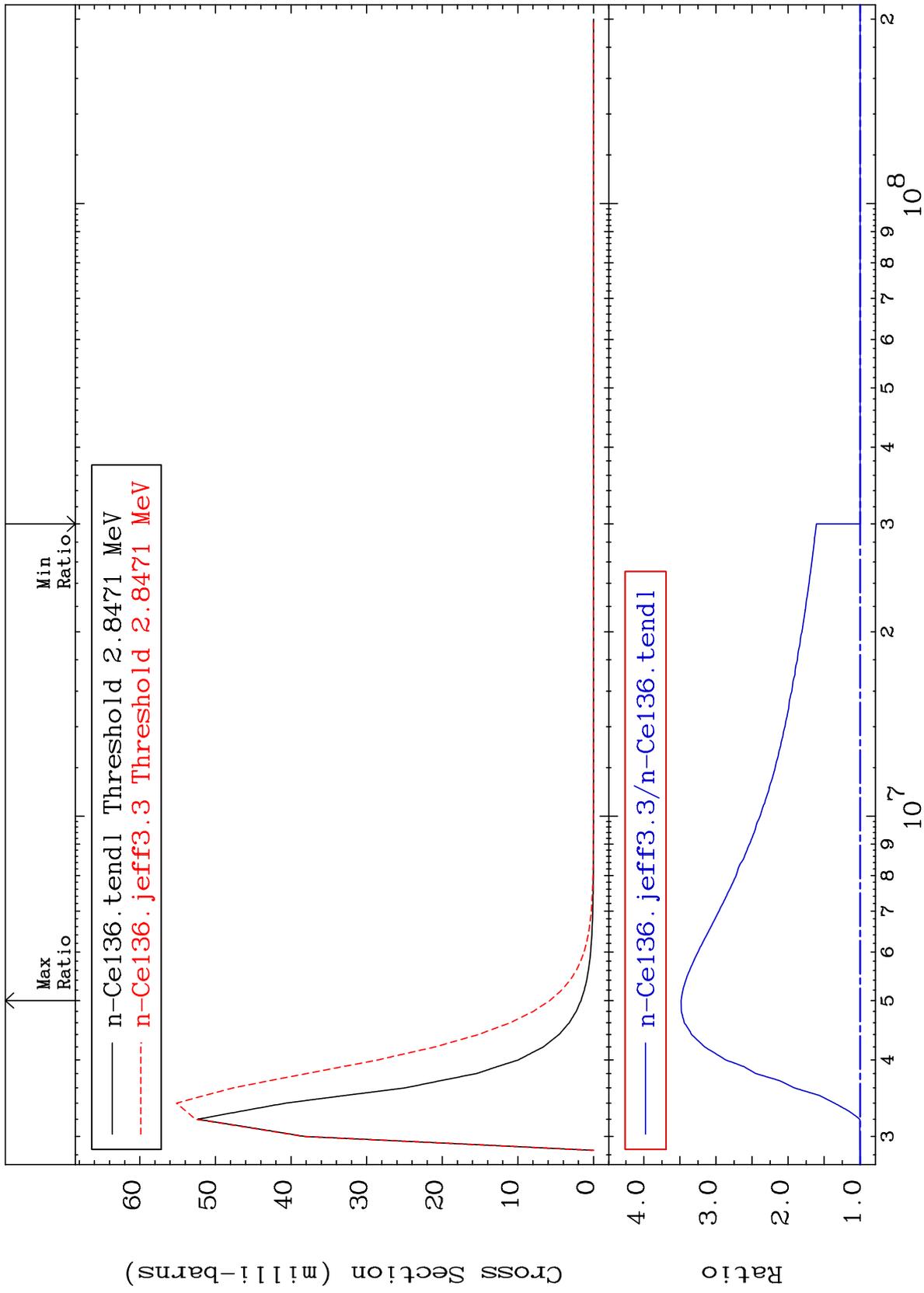


36

Incident Energy (eV)

58-Ce-136

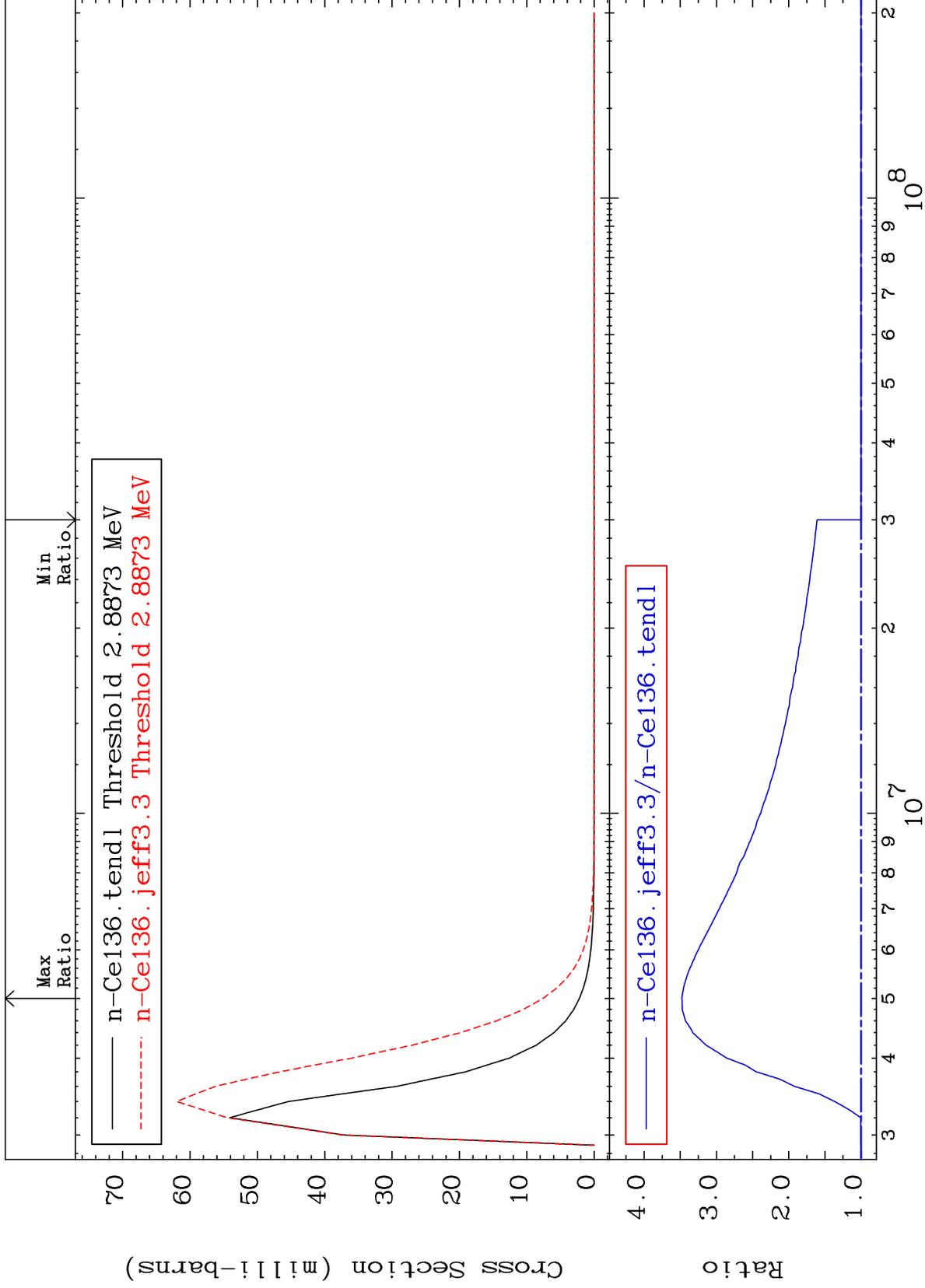
MAT 5825 MT= 68 (n, n') Level Cross Section 58-Ce-136 To 248.3 %



MAT 5825

MT= 69 (n,n') Level
Cross Section

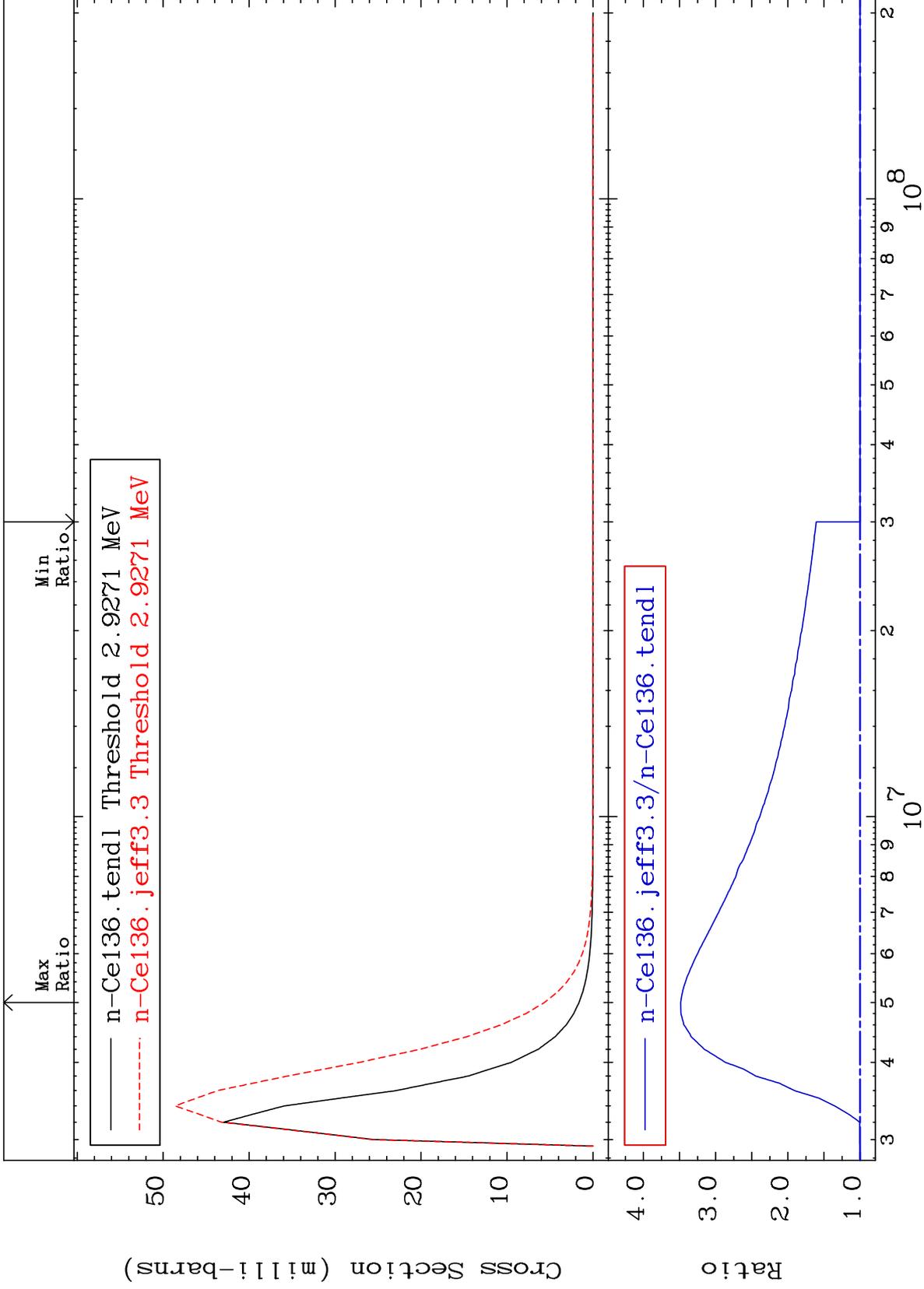
58-Ce-136
To 247.7 %



MAT 5825

MT= 70 (n,n') Level
Cross Section

58-Ce-136
To 248.2 %



39

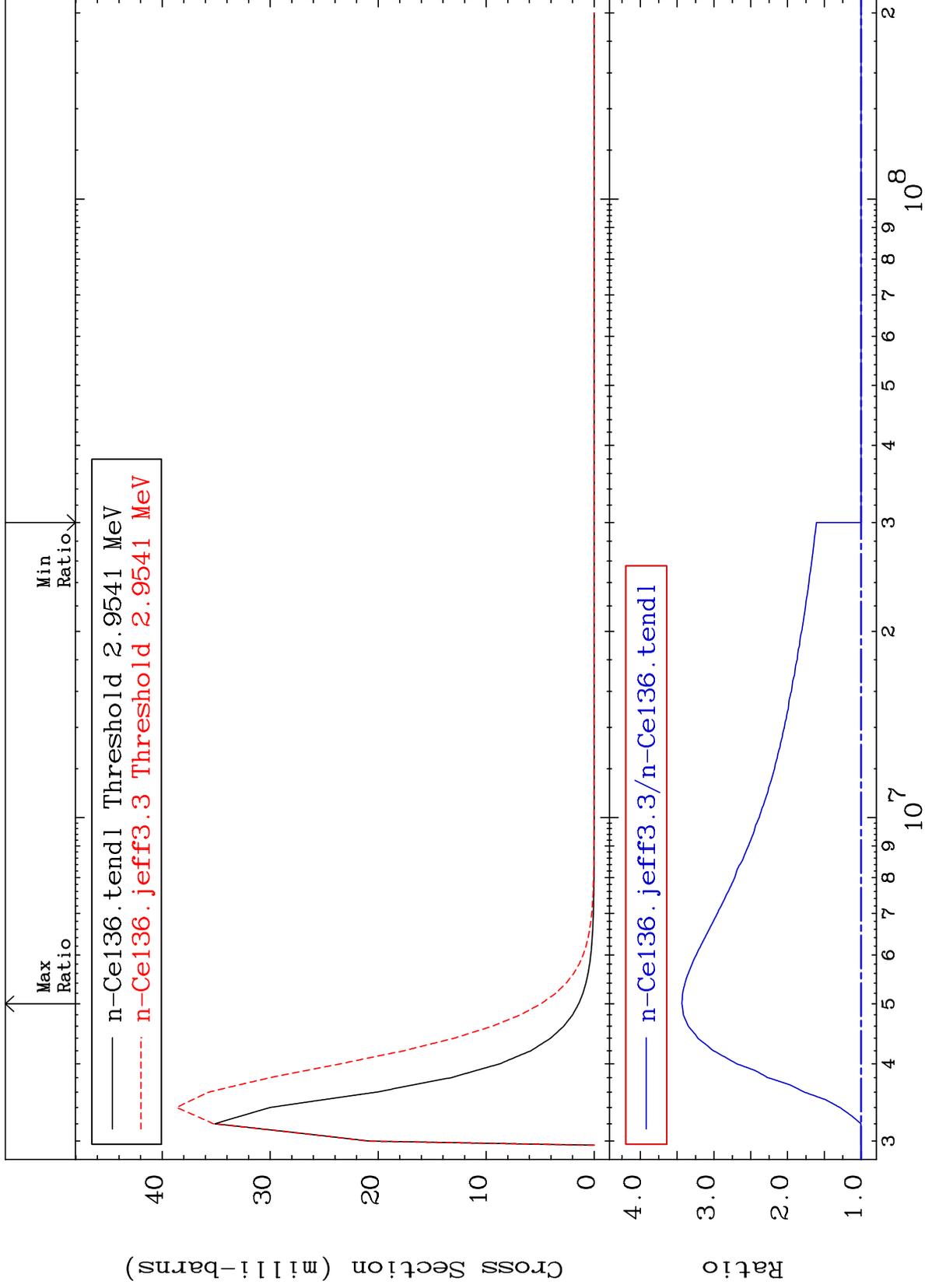
Incident Energy (eV)

58-Ce-136

MAT 5825

MT= 71 (n,n') Level
Cross Section

58-Ce-136
To 243.5 %



40

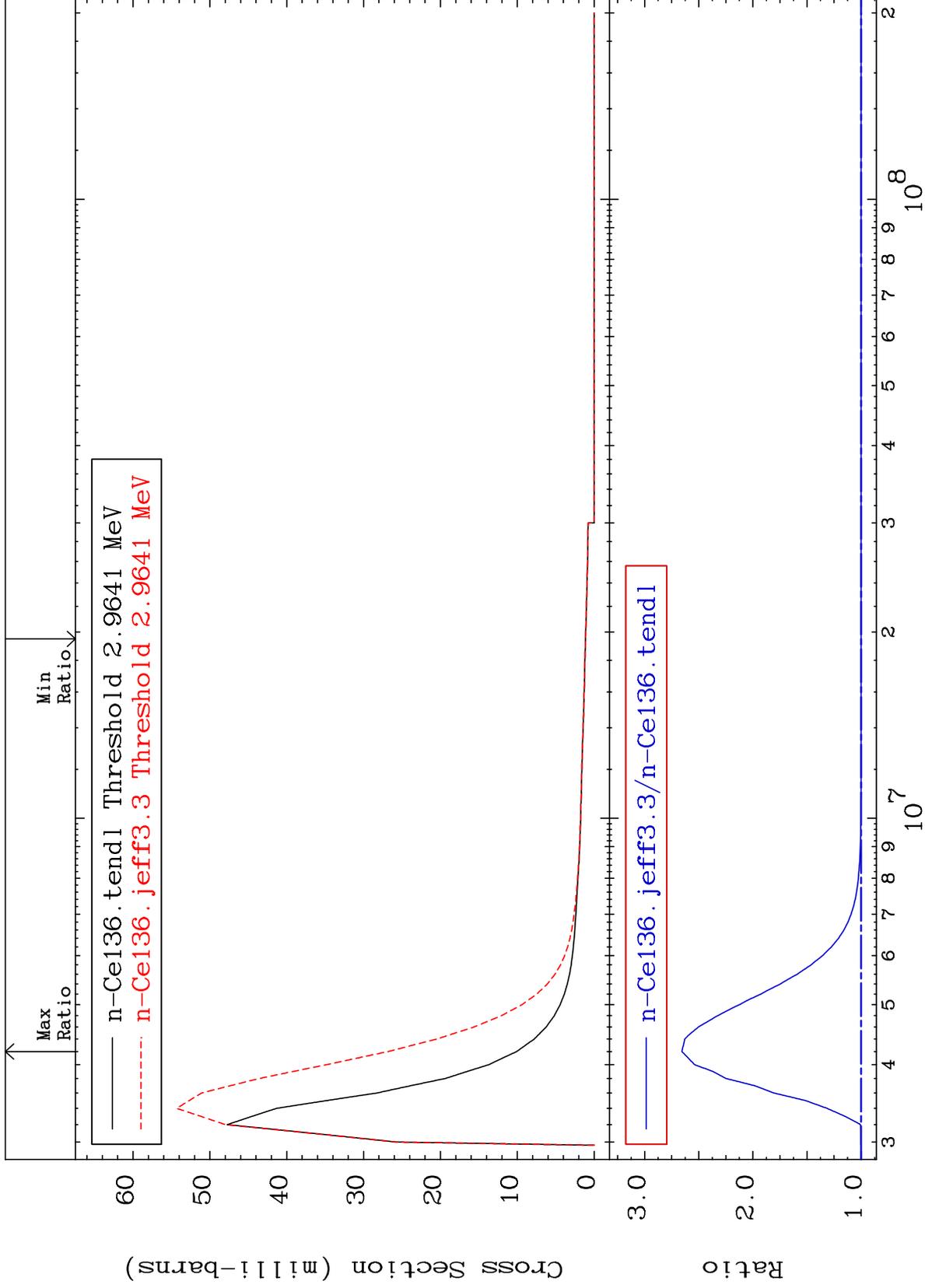
Incident Energy (eV)

58-Ce-136

MAT 5825

MT= 72 (n,n') Level
Cross Section

58-Ce-136
To 165.6 %



41

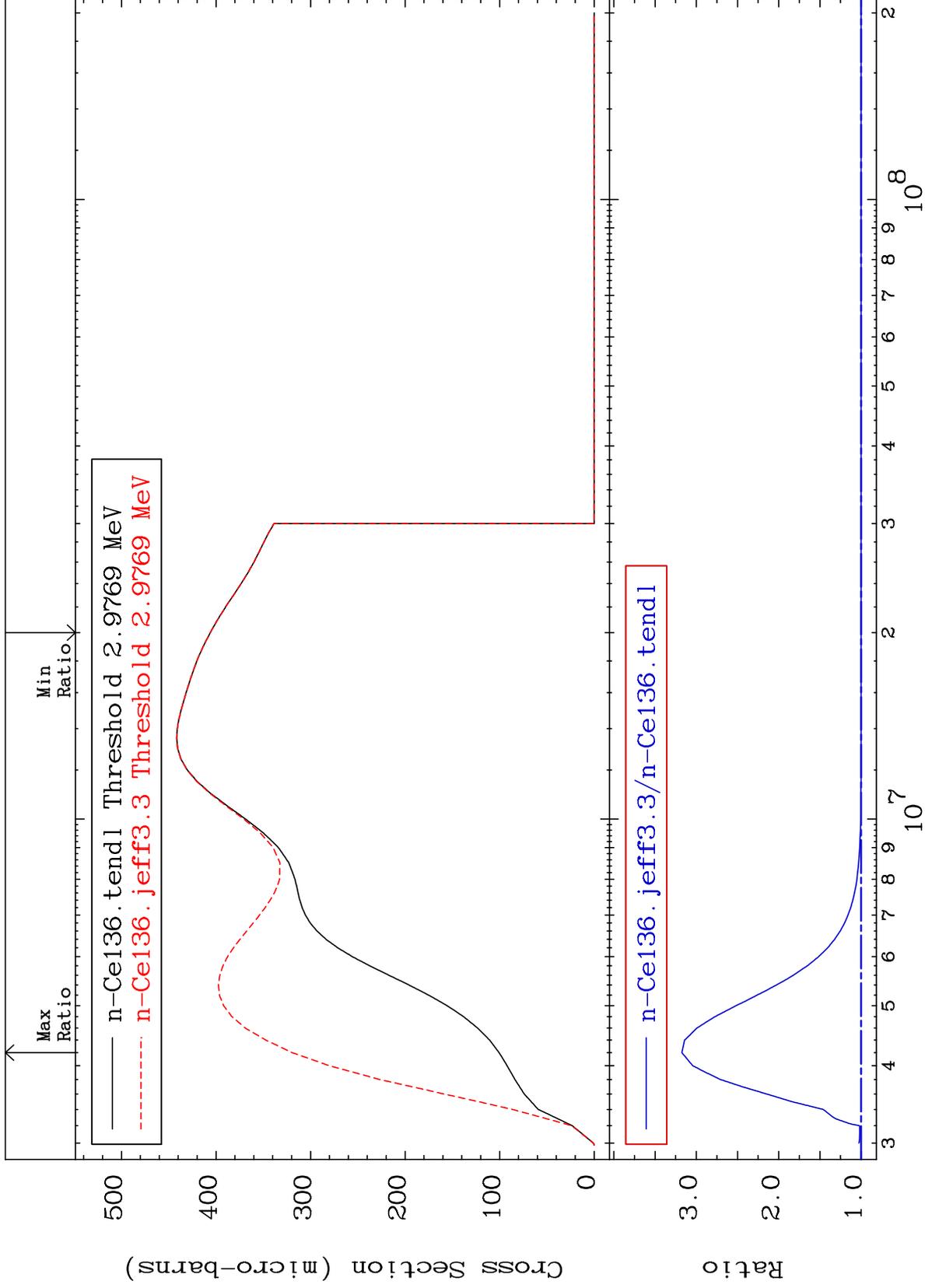
Incident Energy (eV)

58-Ce-136

MAT 5825

MT= 73 (n,n') Level
Cross Section

58-Ce-136
To 217.4 %



42

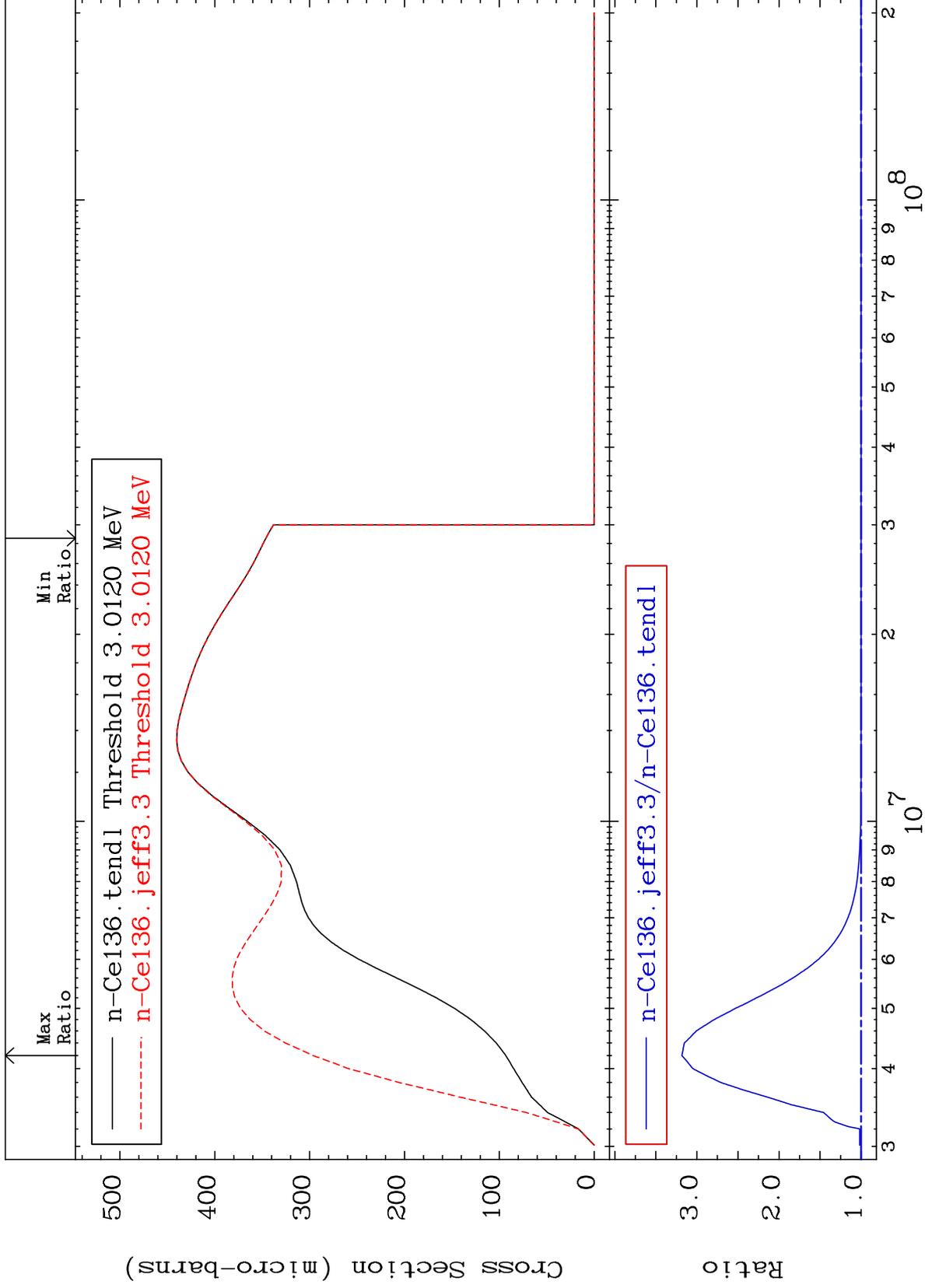
Incident Energy (eV)

58-Ce-136

MAT 5825

MT= 74 (n, n') Level
Cross Section

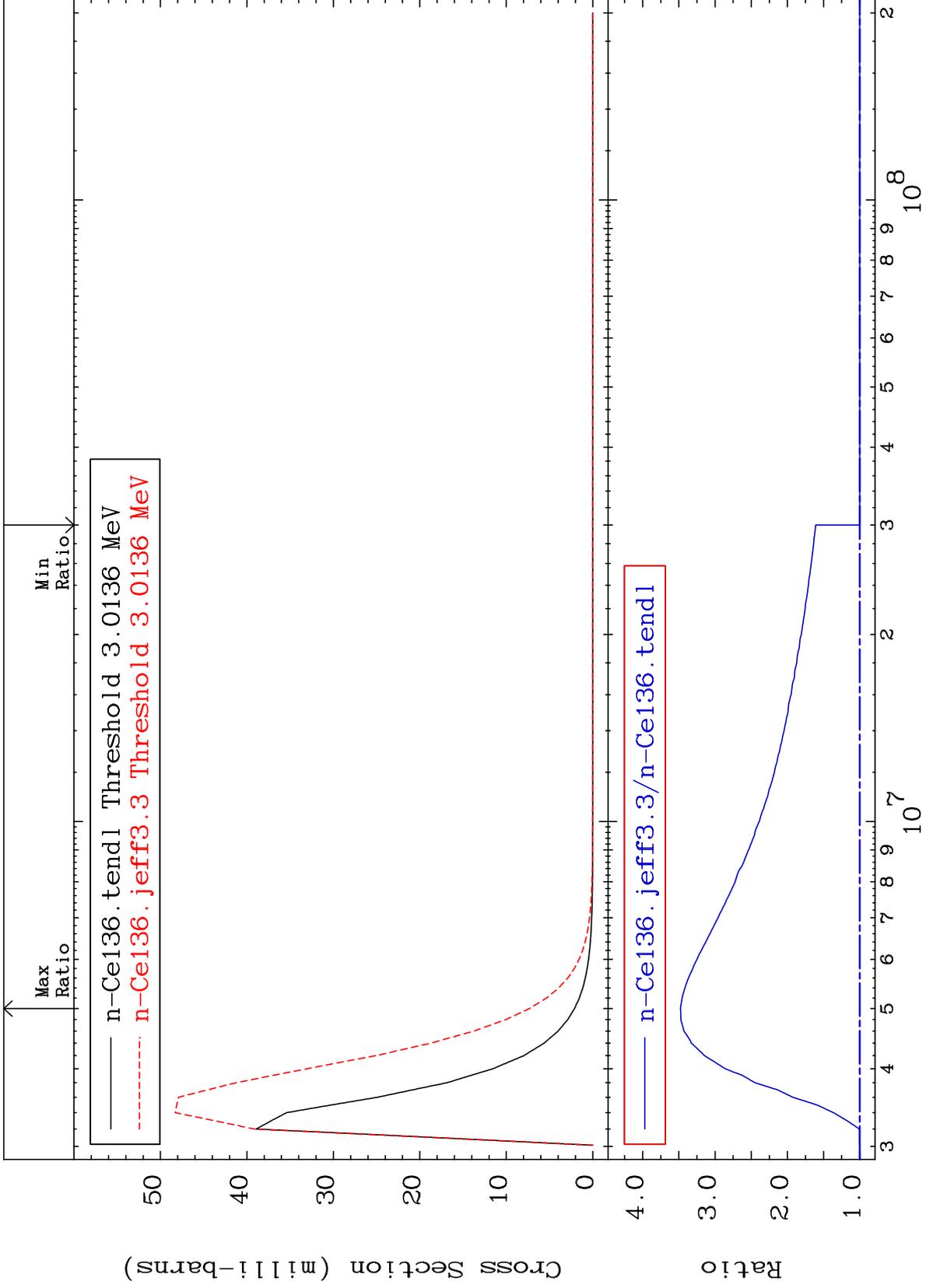
58-Ce-136
To 218.3 %
0.000



MAT 5825

MT= 75 (n,n') Level
Cross Section

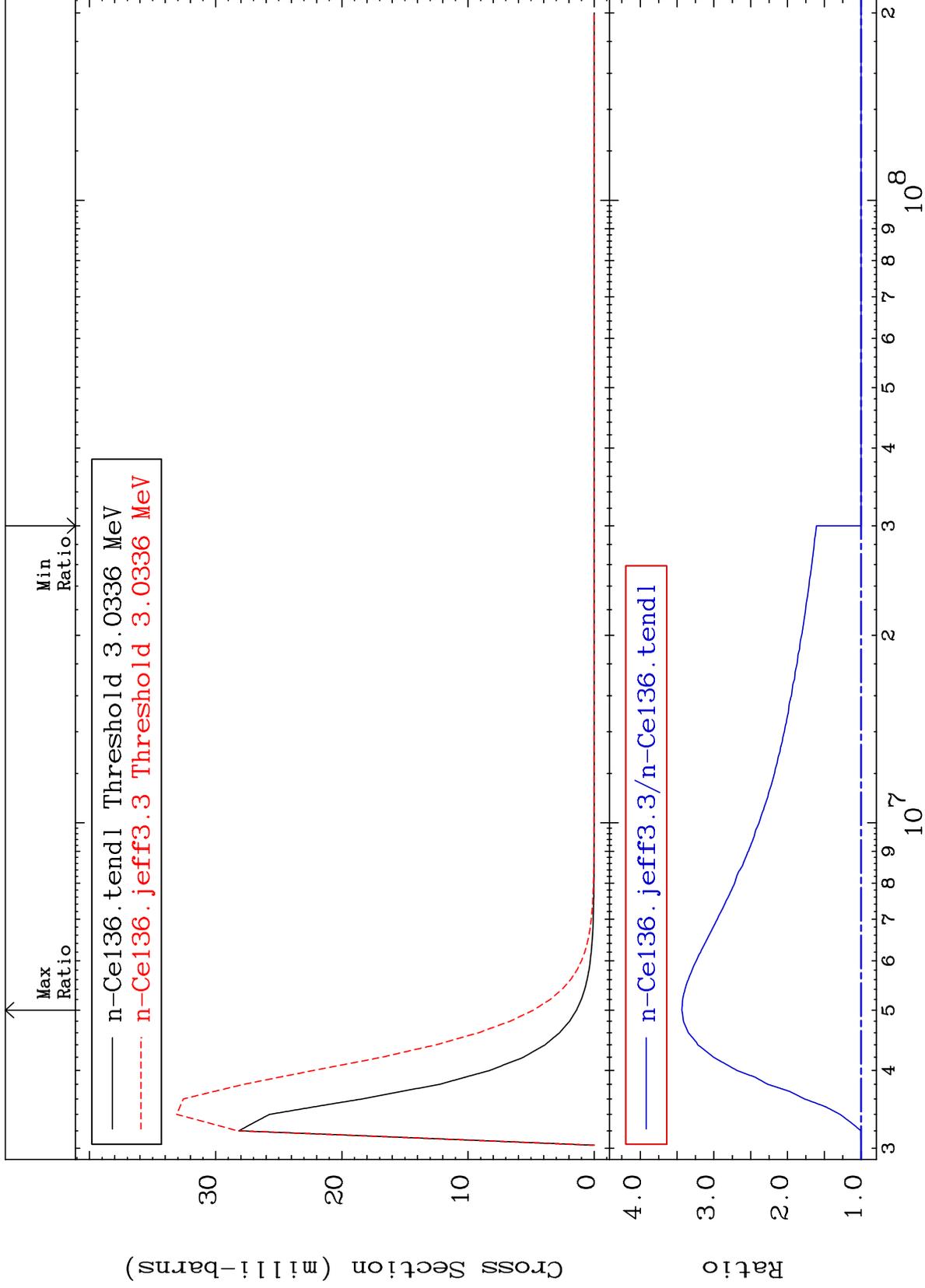
58-Ce-136
To 247.7 %



MAT 5825

MT= 76 (n,n') Level
Cross Section

58-Ce-136
To 243.4 %

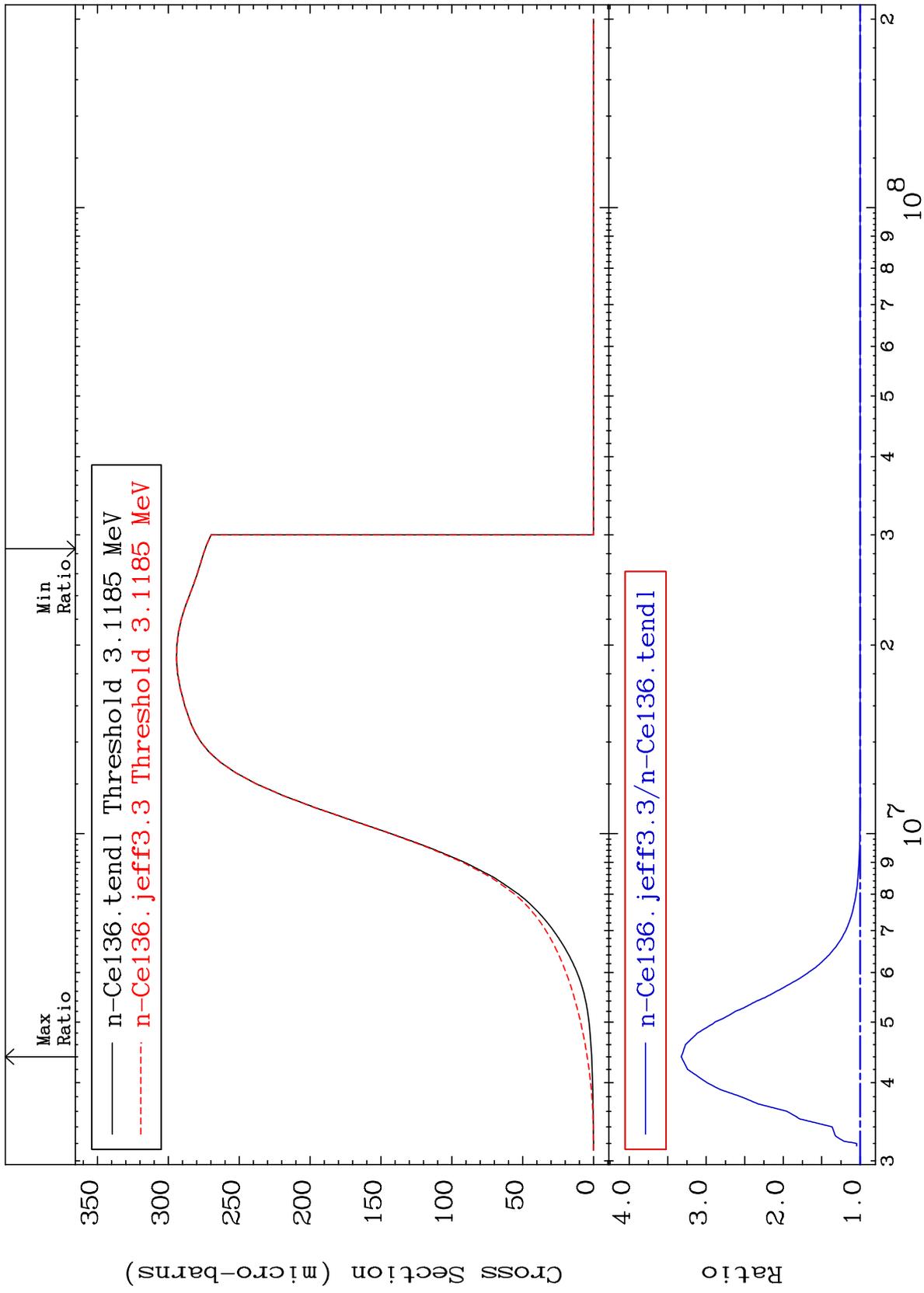


45

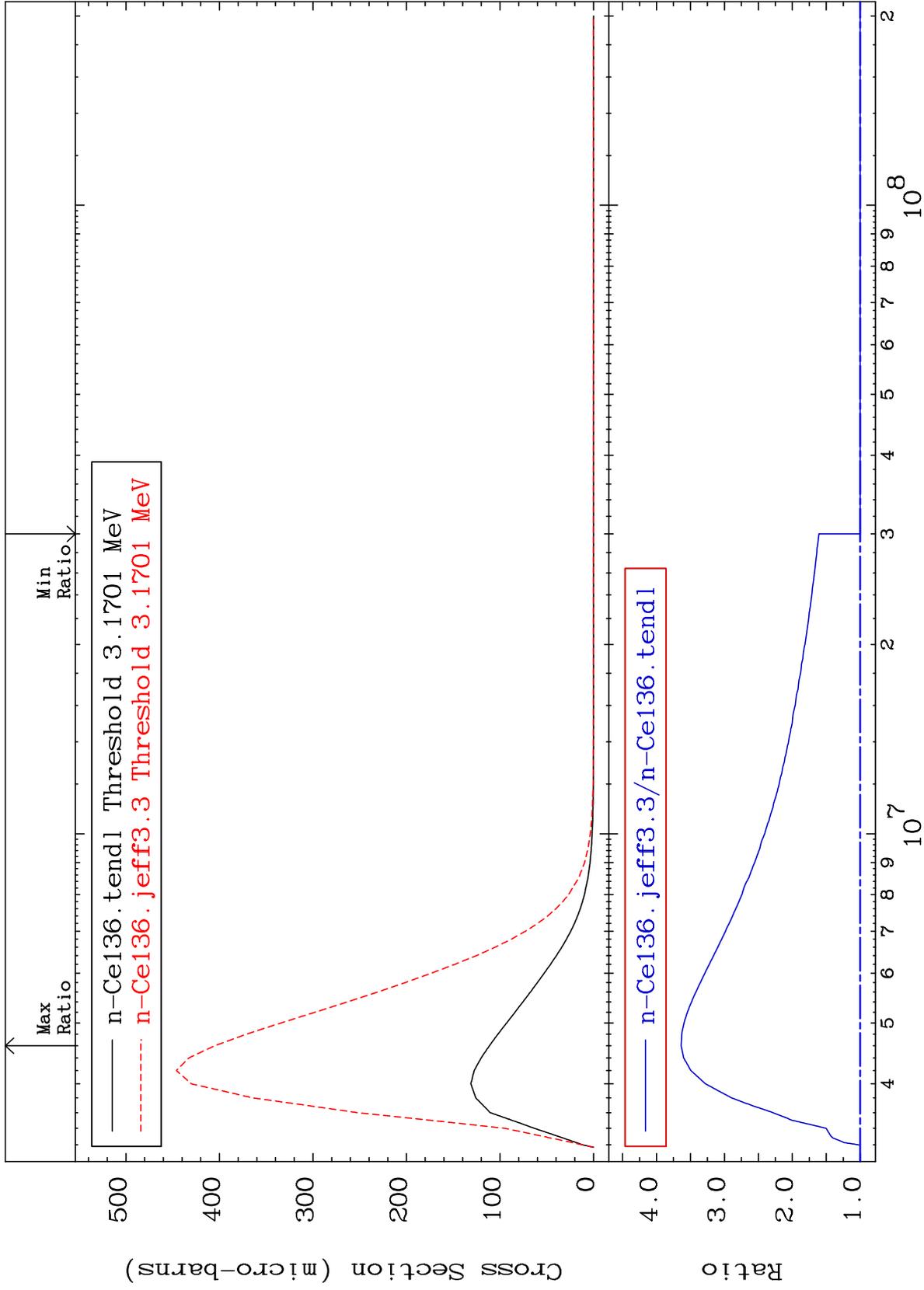
Incident Energy (eV)

58-Ce-136

MAT 5825 MT= 77 (n, n') Level Cross Section 58-Ce-136 To 232.5 %



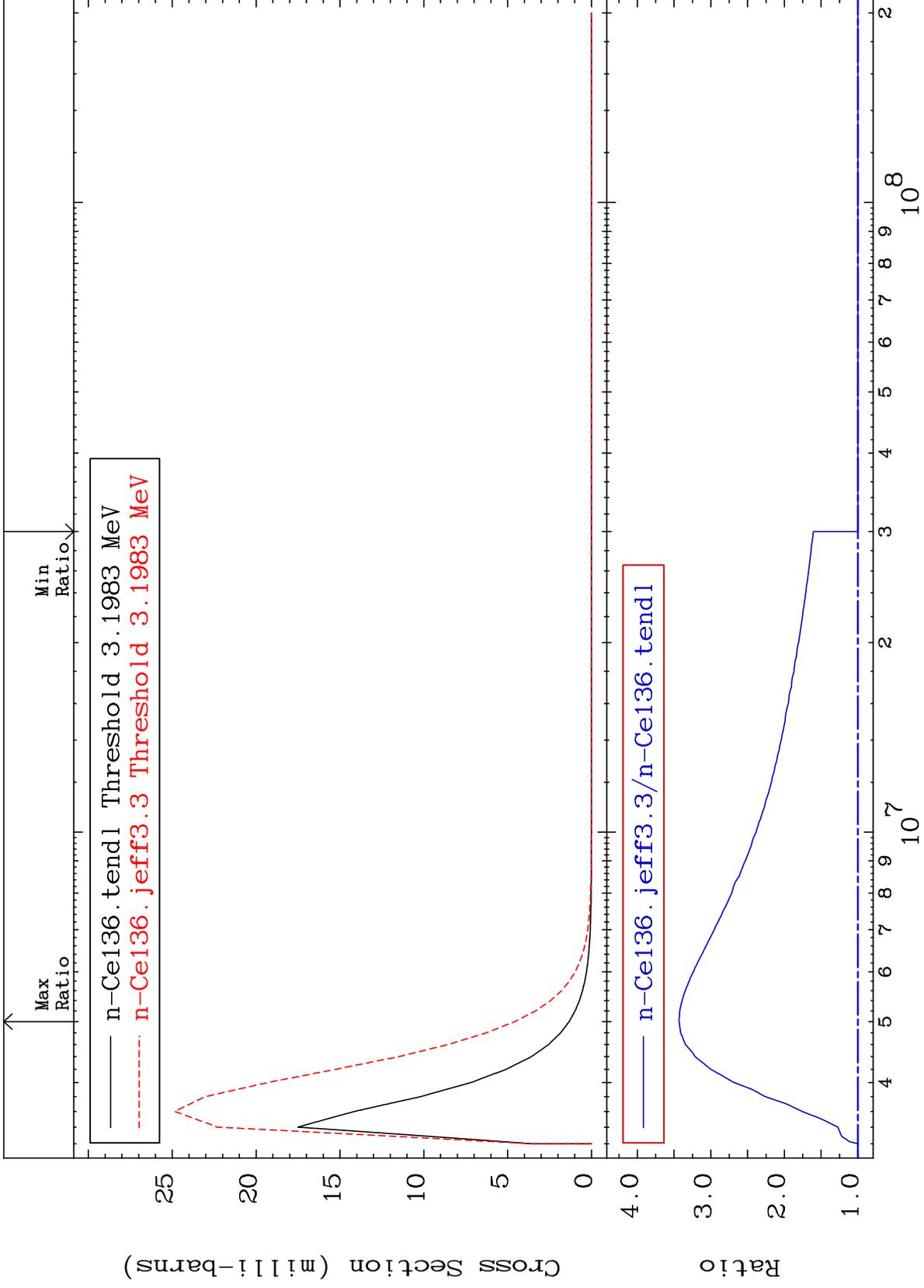
MAT 5825 MT= 78 (n,n') Level Cross Section 58-Ce-136 To 263.7 %



MAT 5825

MT= 79 (n,n') Level
Cross Section

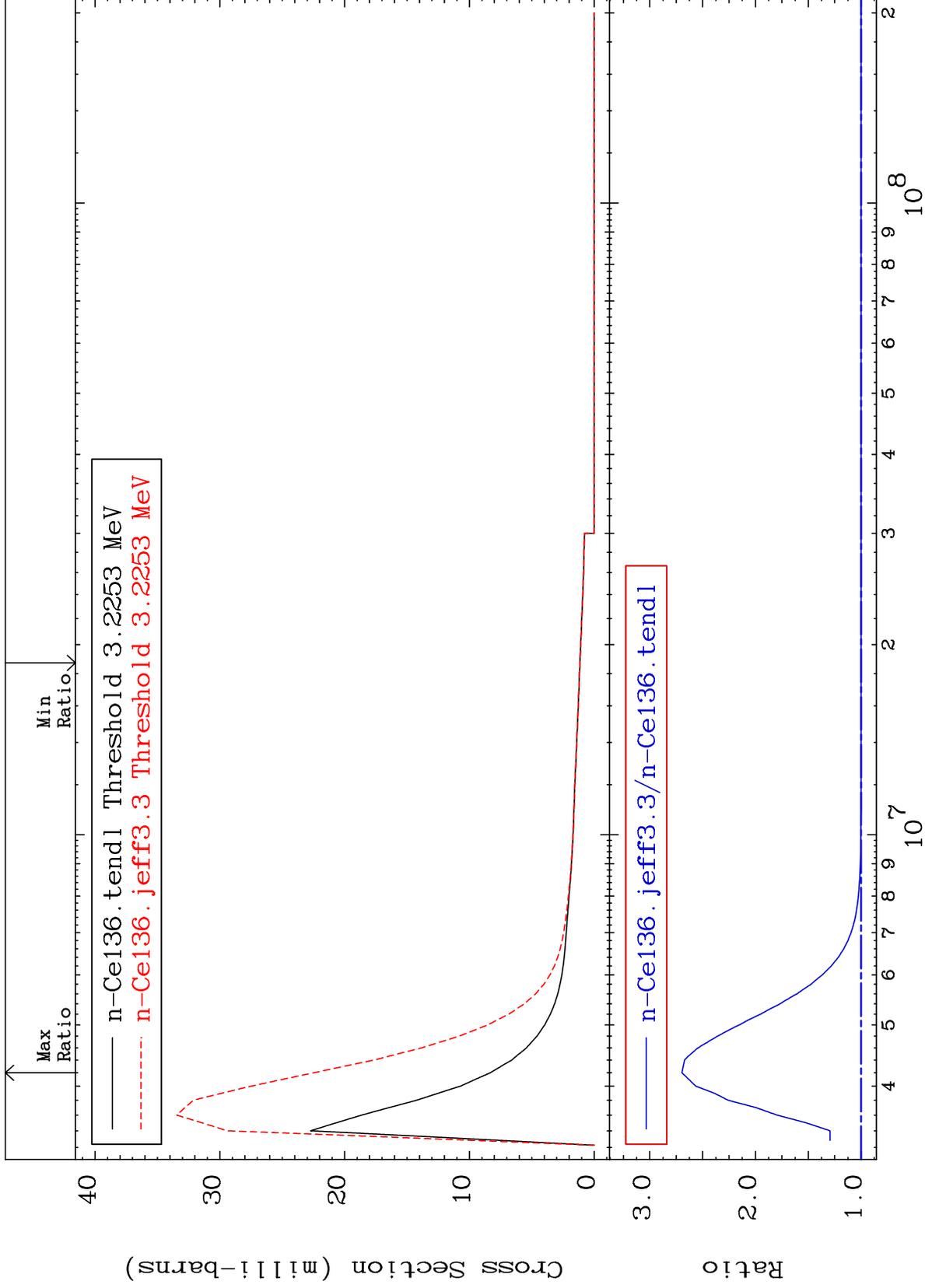
58-Ce-136
To 243.3 %

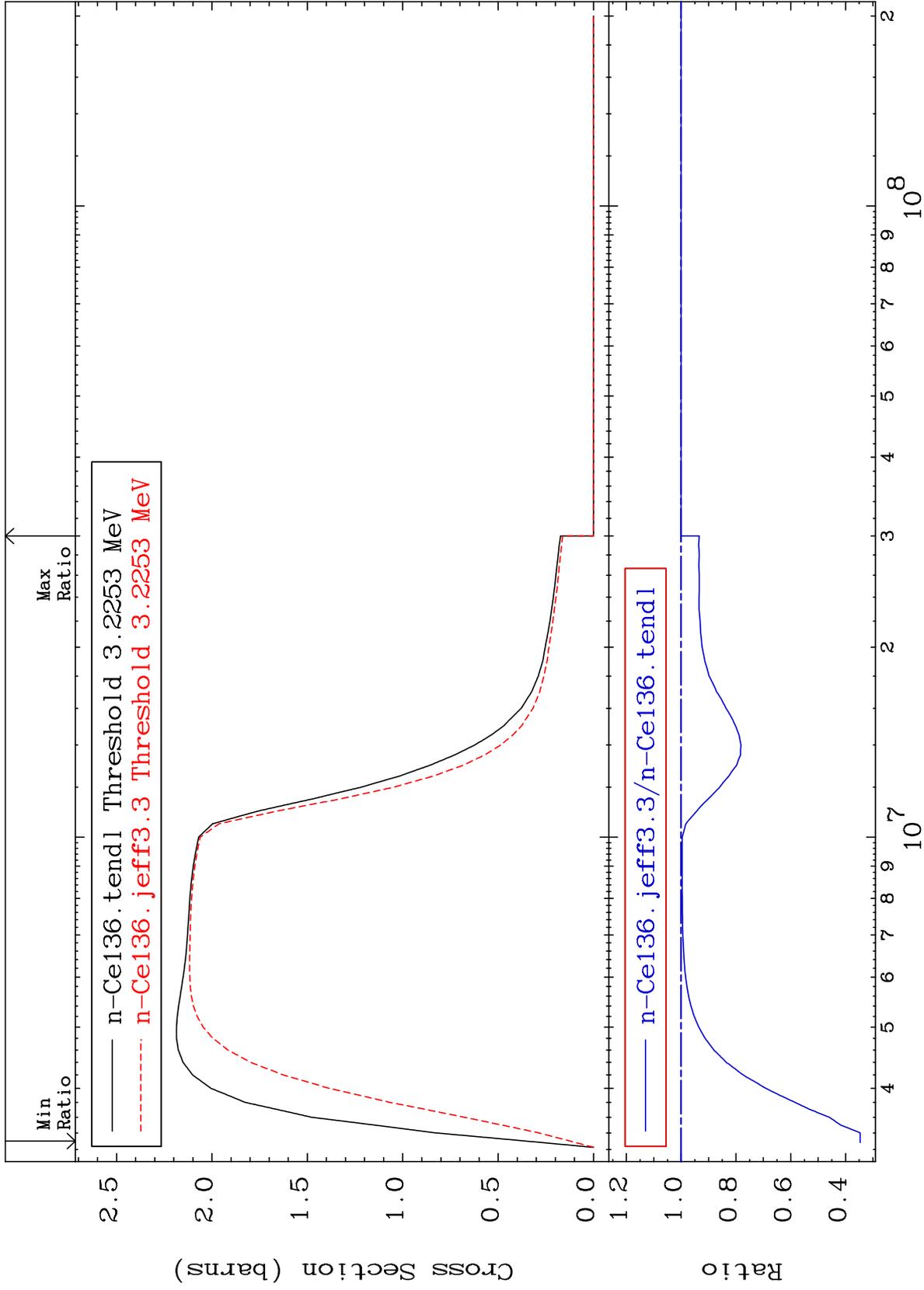


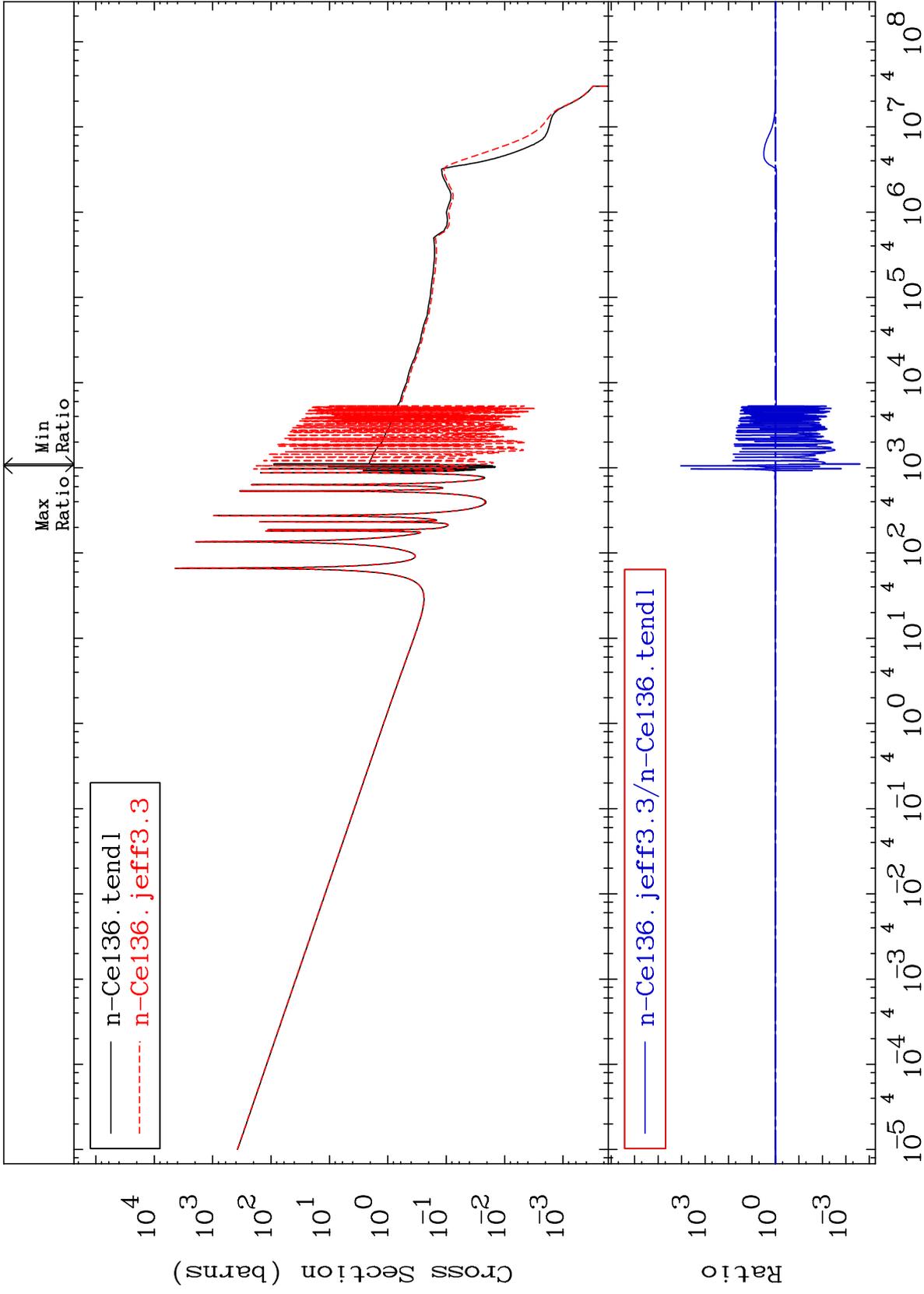
MAT 5825

MT= 80 (n,n') Level
Cross Section

58-Ce-136
To 169.6 %

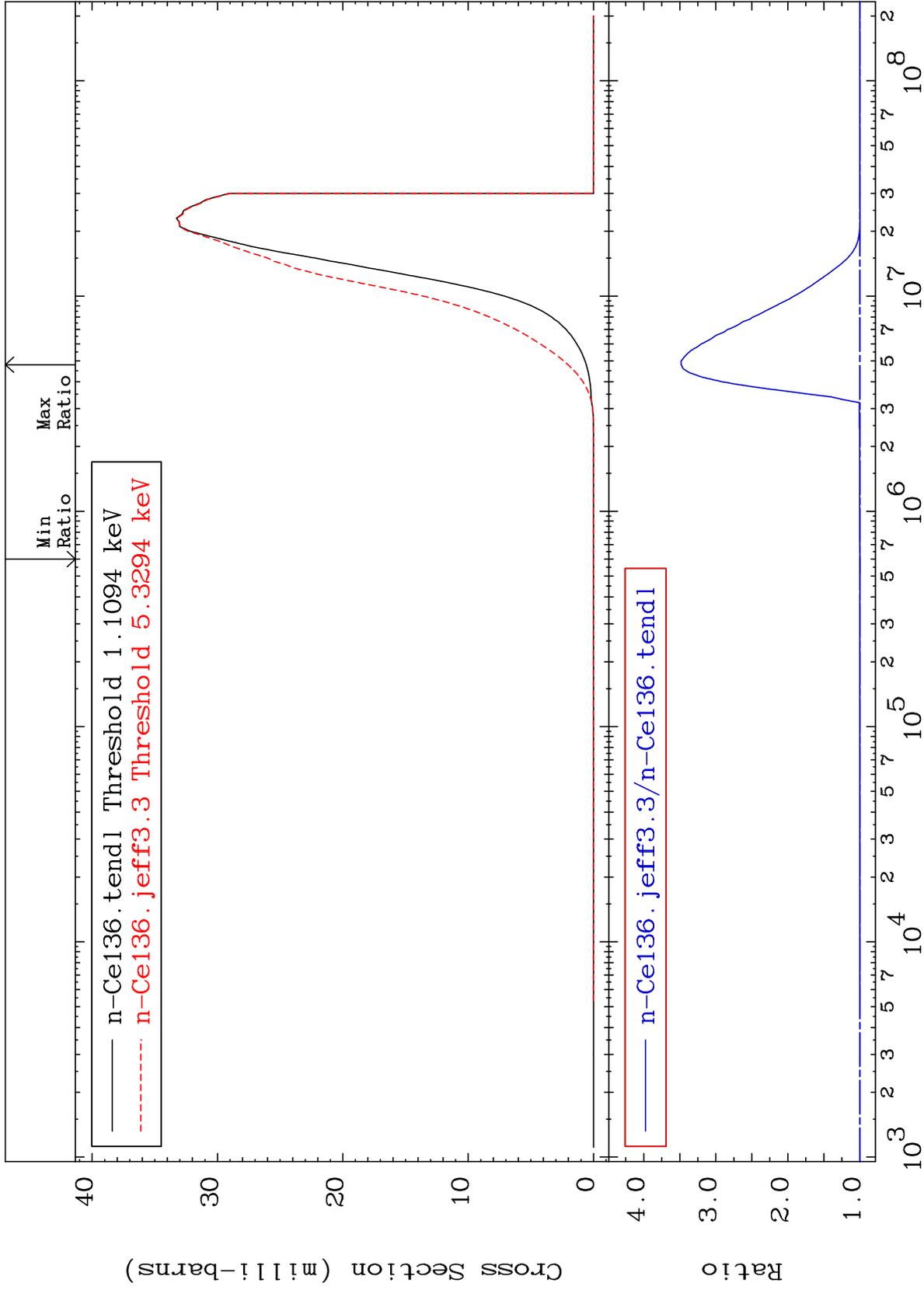




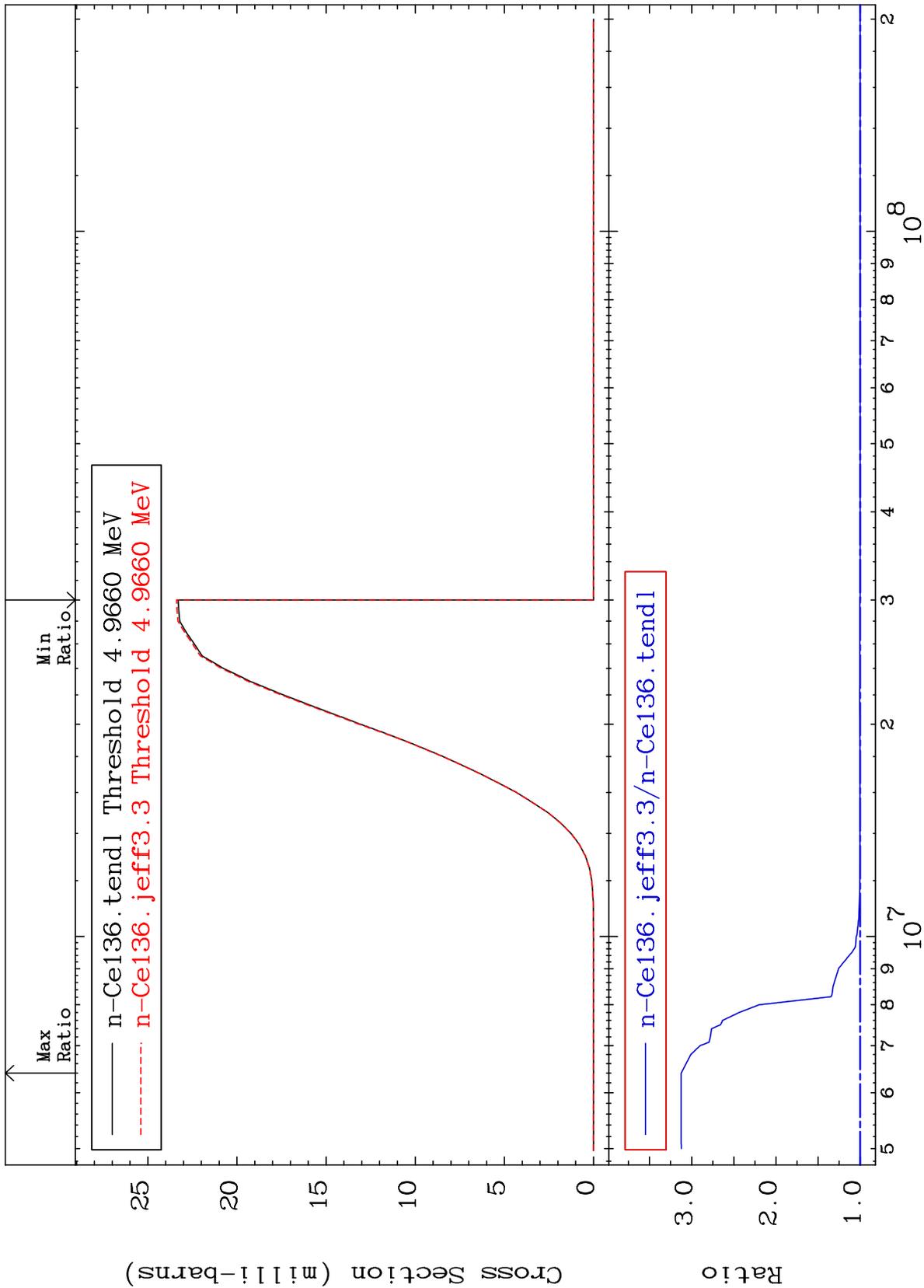


Cross Section

-0.489 To 248.1 %



MAT 5825 (n, d) Cross Section 58-Ce-136 To 212.4 %



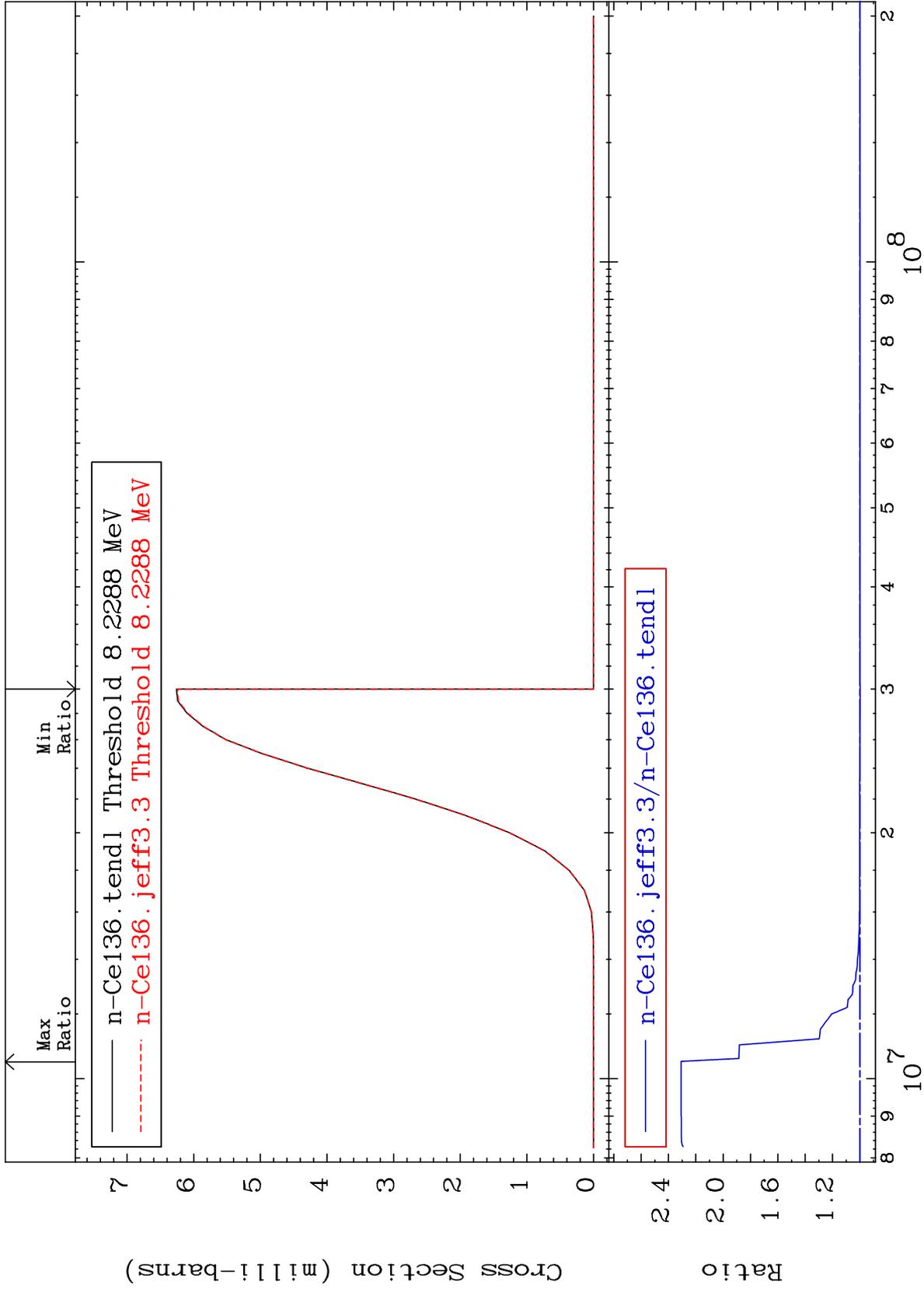
MAT 5825

(n, t)

58-Ce-136

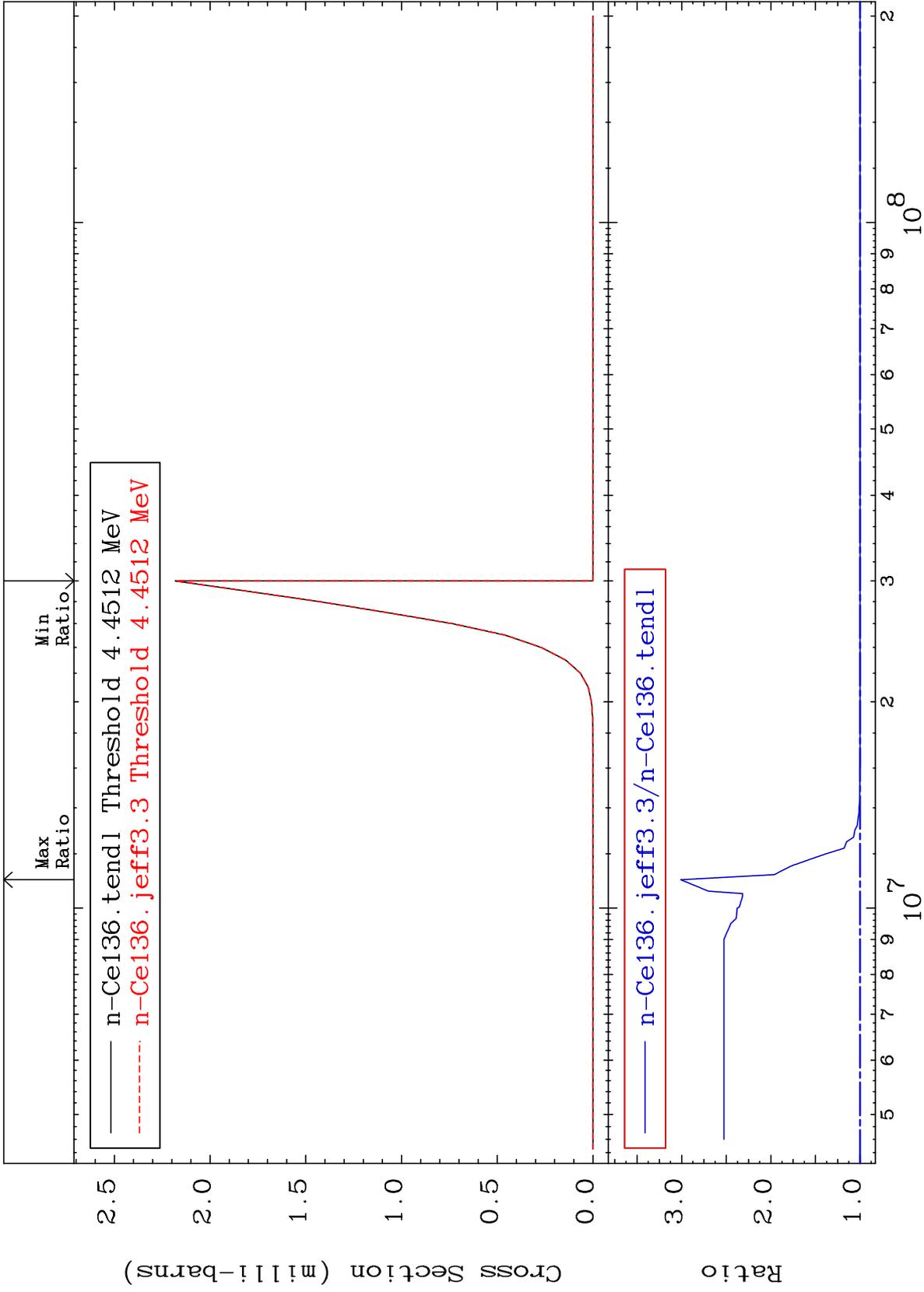
Cross Section

-0.220 To 130.7 %



Cross Section

-0.046 To 201.0 %



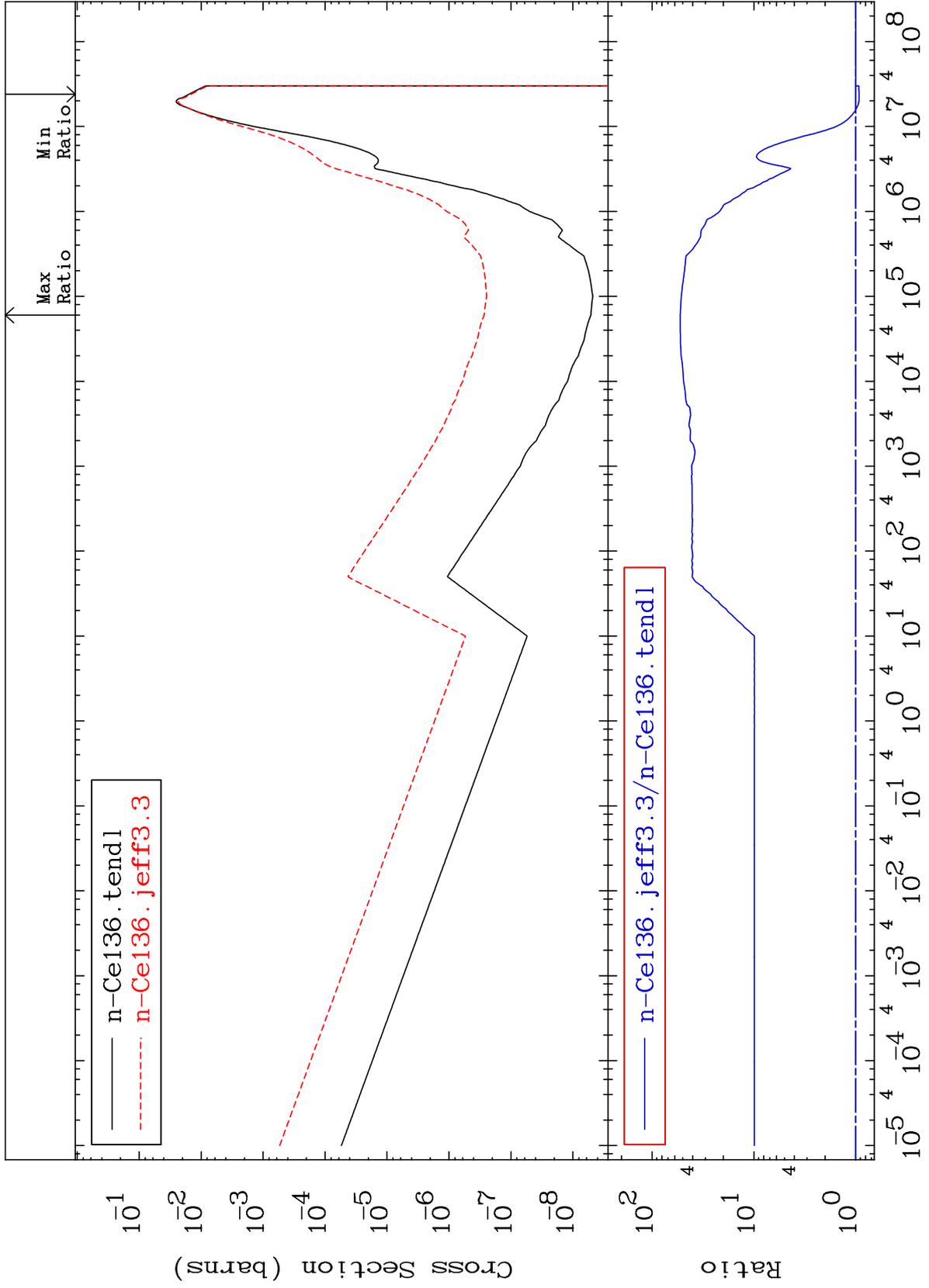
MAT 5825

(n, α)

58-Ce-136

Cross Section

-7.424 To 5191. %



56

Incident Energy (eV)

58-Ce-136

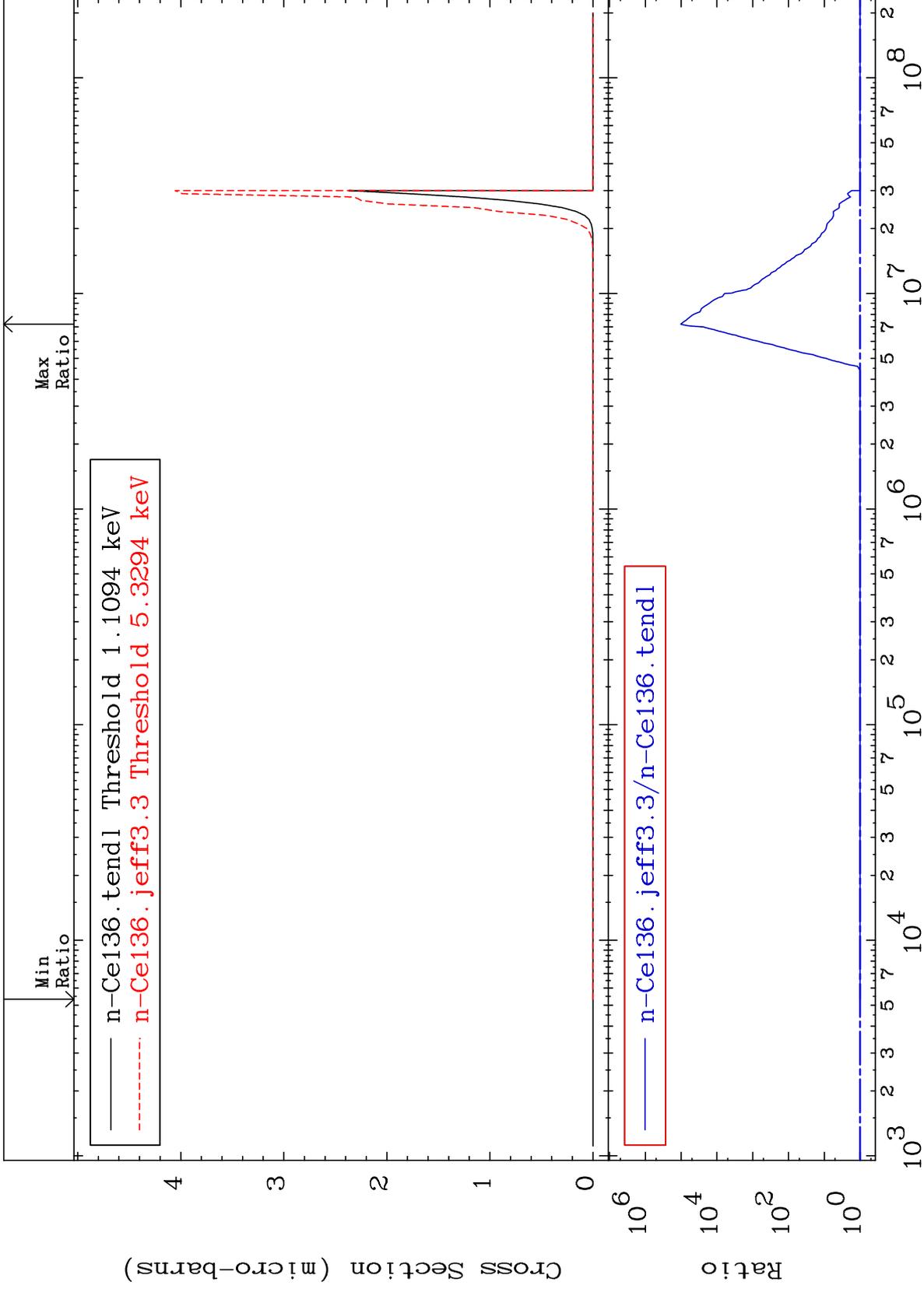
MAT 5825

(n,2α)

58-Ce-136

Cross Section

0.000 To 9999. %



57

Incident Energy (eV)

58-Ce-136

MAT 5825

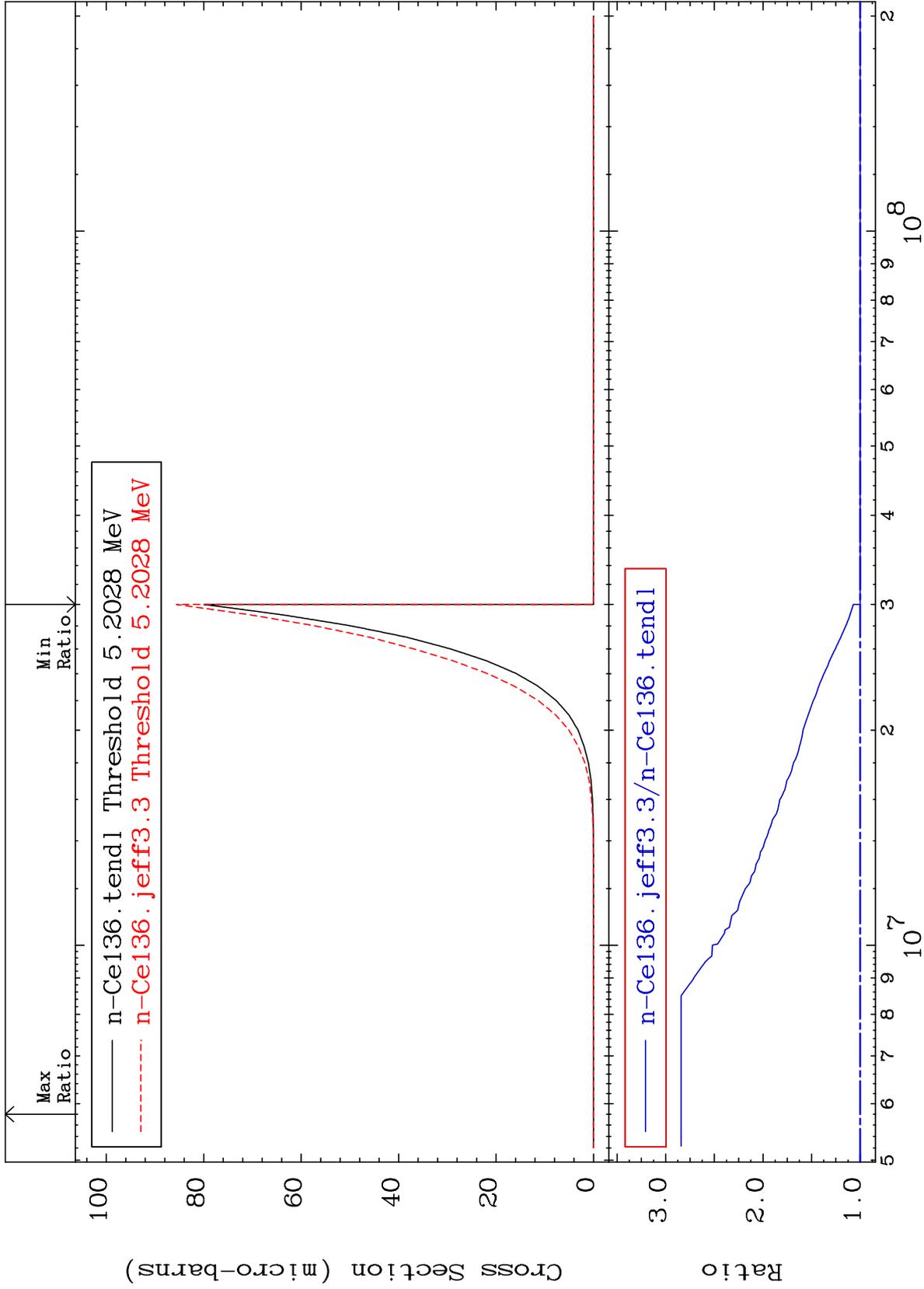
(n,2p)

58-Ce-136

Cross Section

0.000

To 184.1 %



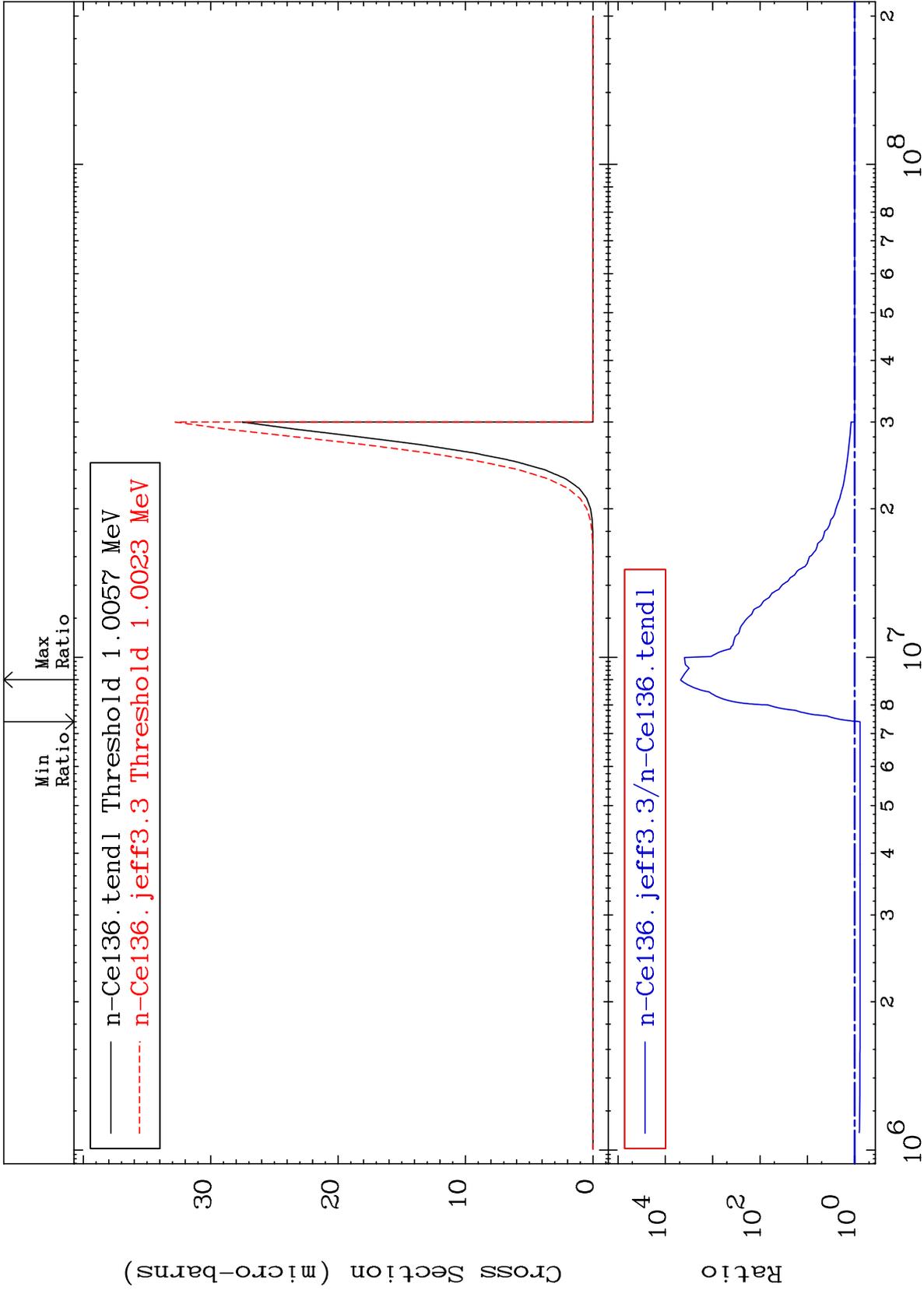
MAT 5825

(n, p) α

58-Ce-136

-22.87 To 9999. %

Cross Section



59

Incident Energy (eV)

58-Ce-136

MAT 5825

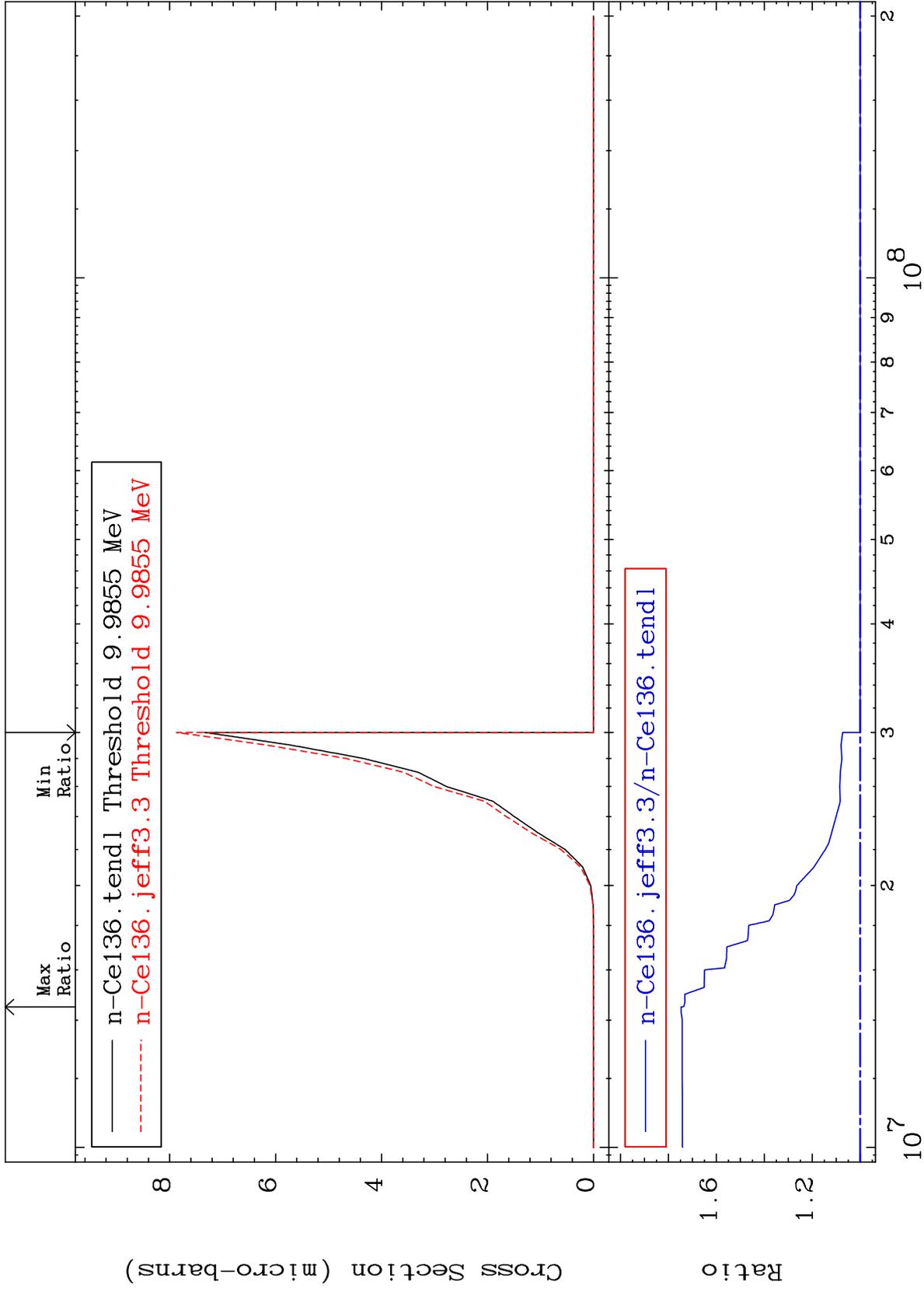
(n,p) d

58-Ce-136

Cross Section

0.000

To 74.69 %



MAT 5825

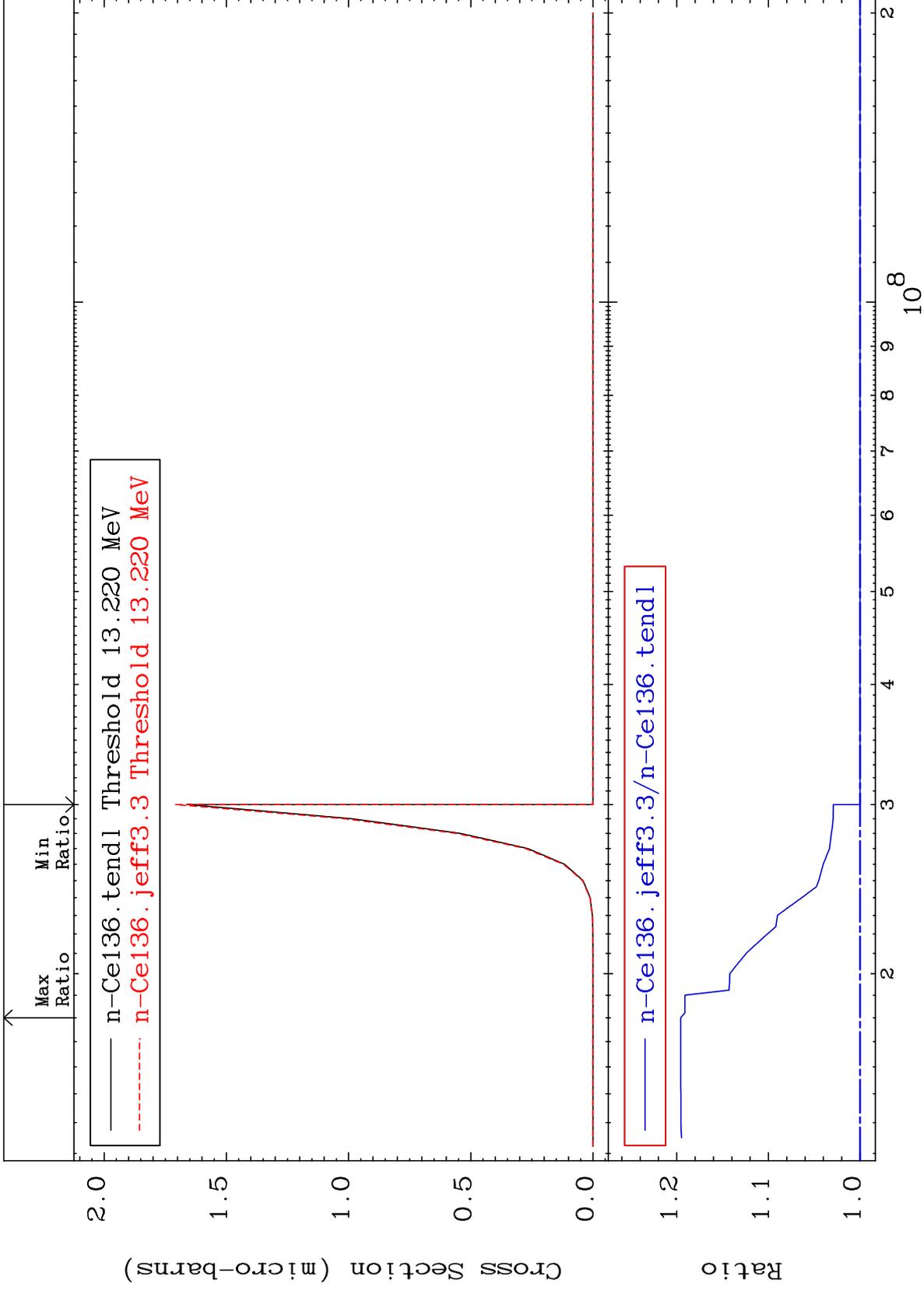
(n,p) t

58-Ce-136

Cross Section

0.000

To 19.57 %



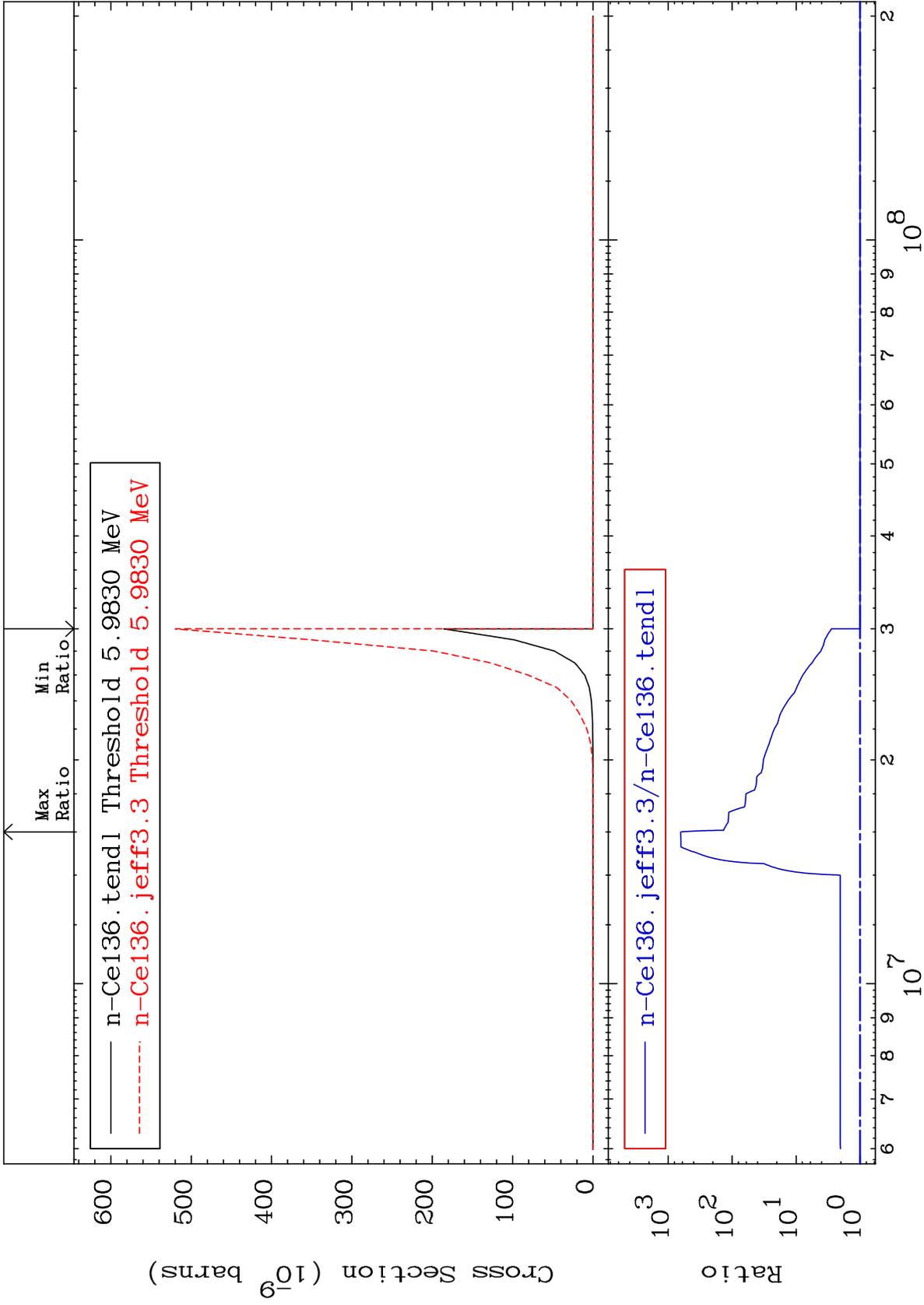
61

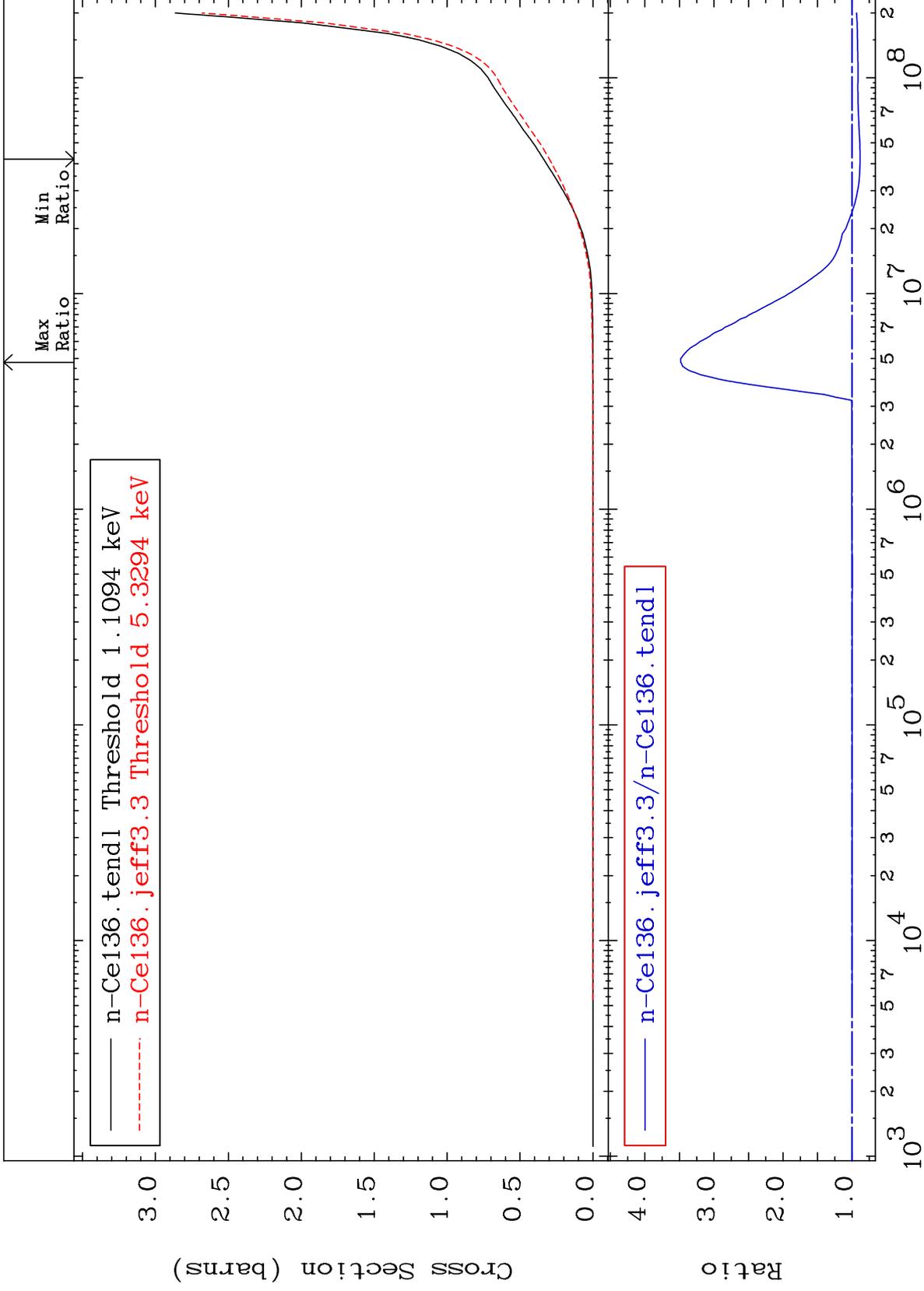
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,d) α Cross Section
58-Ce-136 To 9999. %

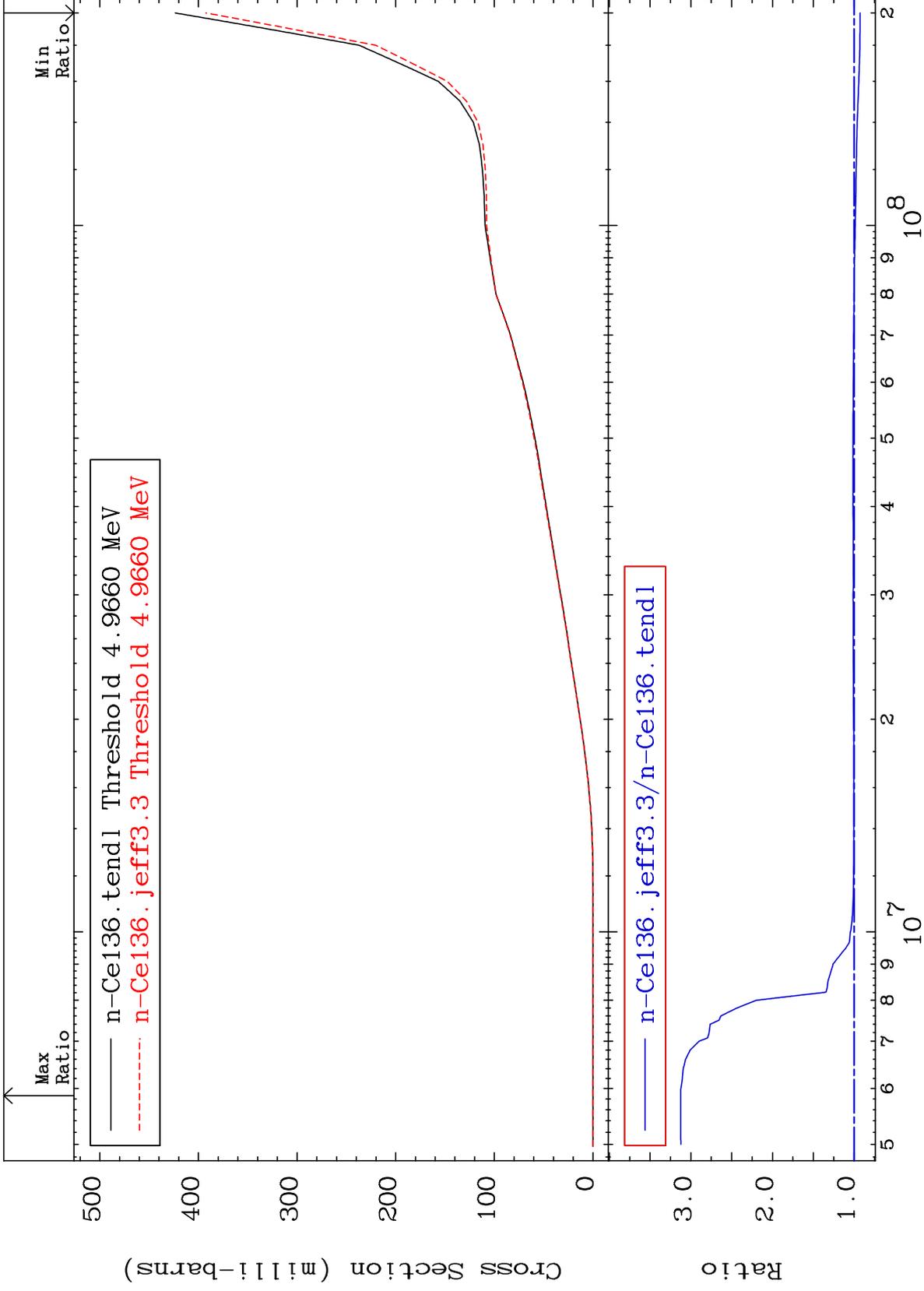




MAT 5825

Deuterium Production
Cross Section

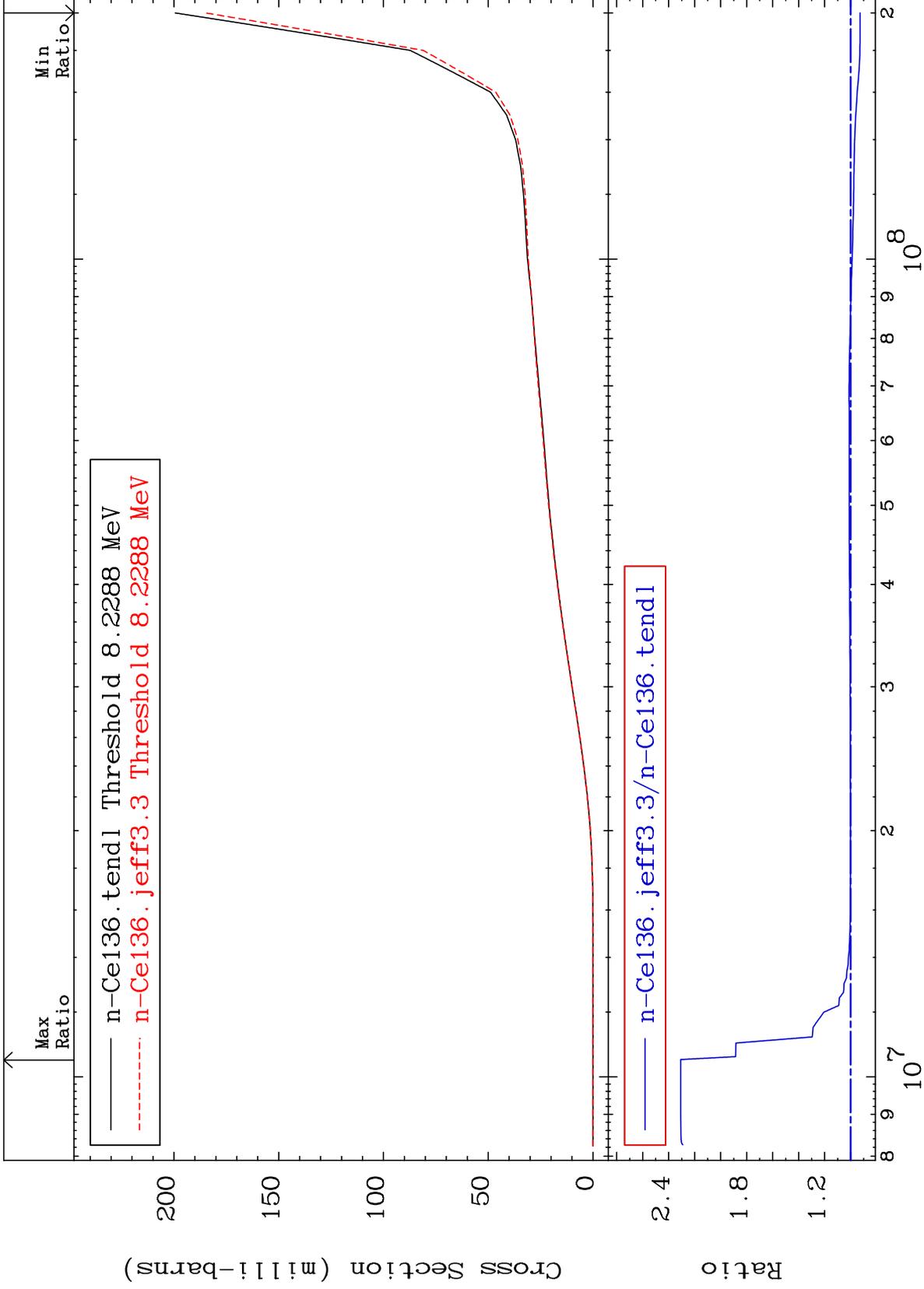
58-Ce-136
-7.384 To 212.4 %



MAT 5825

Tritium Production
Cross Section

58-Ce-136
-7.261 To 130.7 %



65

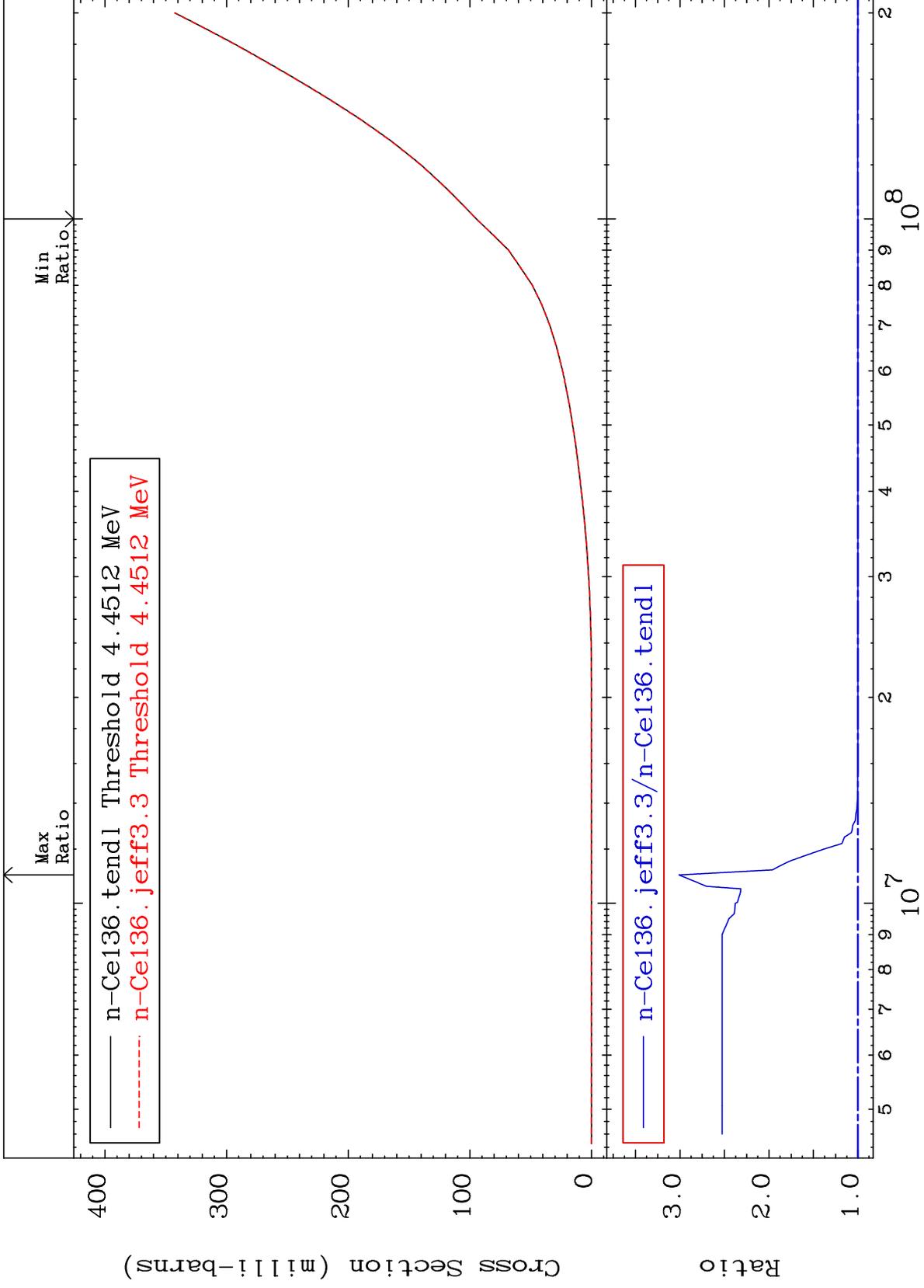
Incident Energy (eV)

58-Ce-136

MAT 5825

He-3 Production
Cross Section

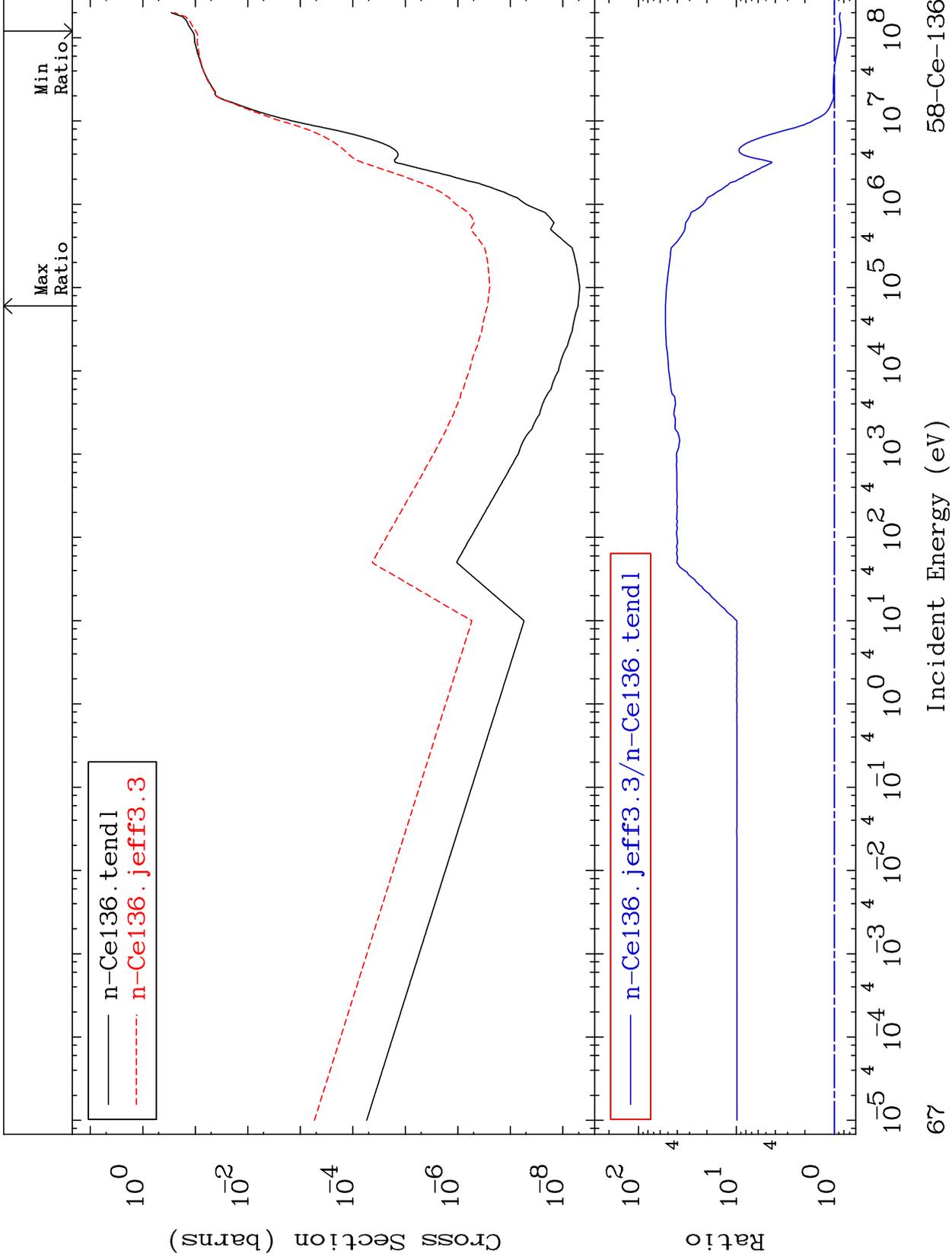
58-Ce-136
-0.012 To 201.0 %



MAT 5825

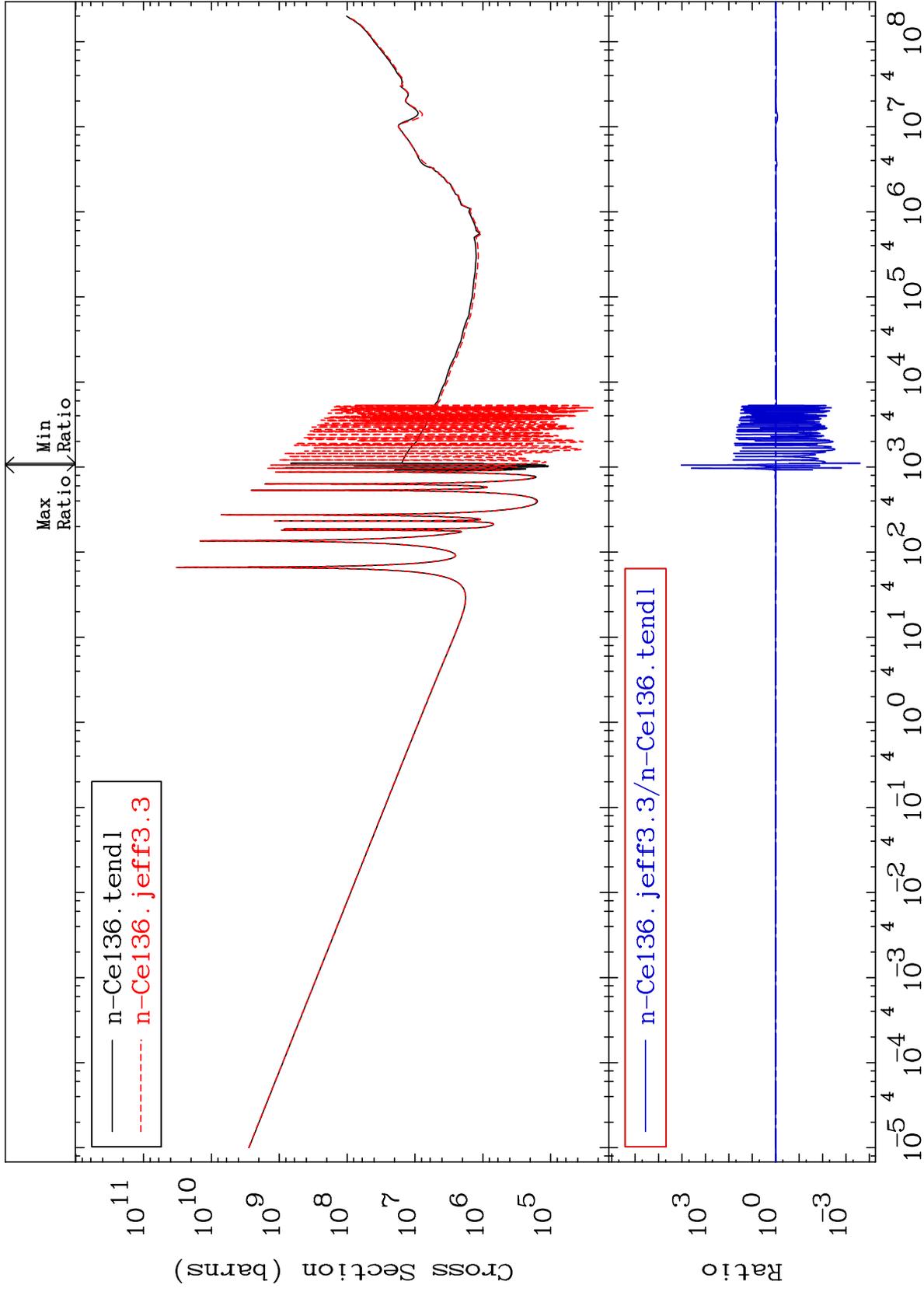
He-4 Production
Cross Section

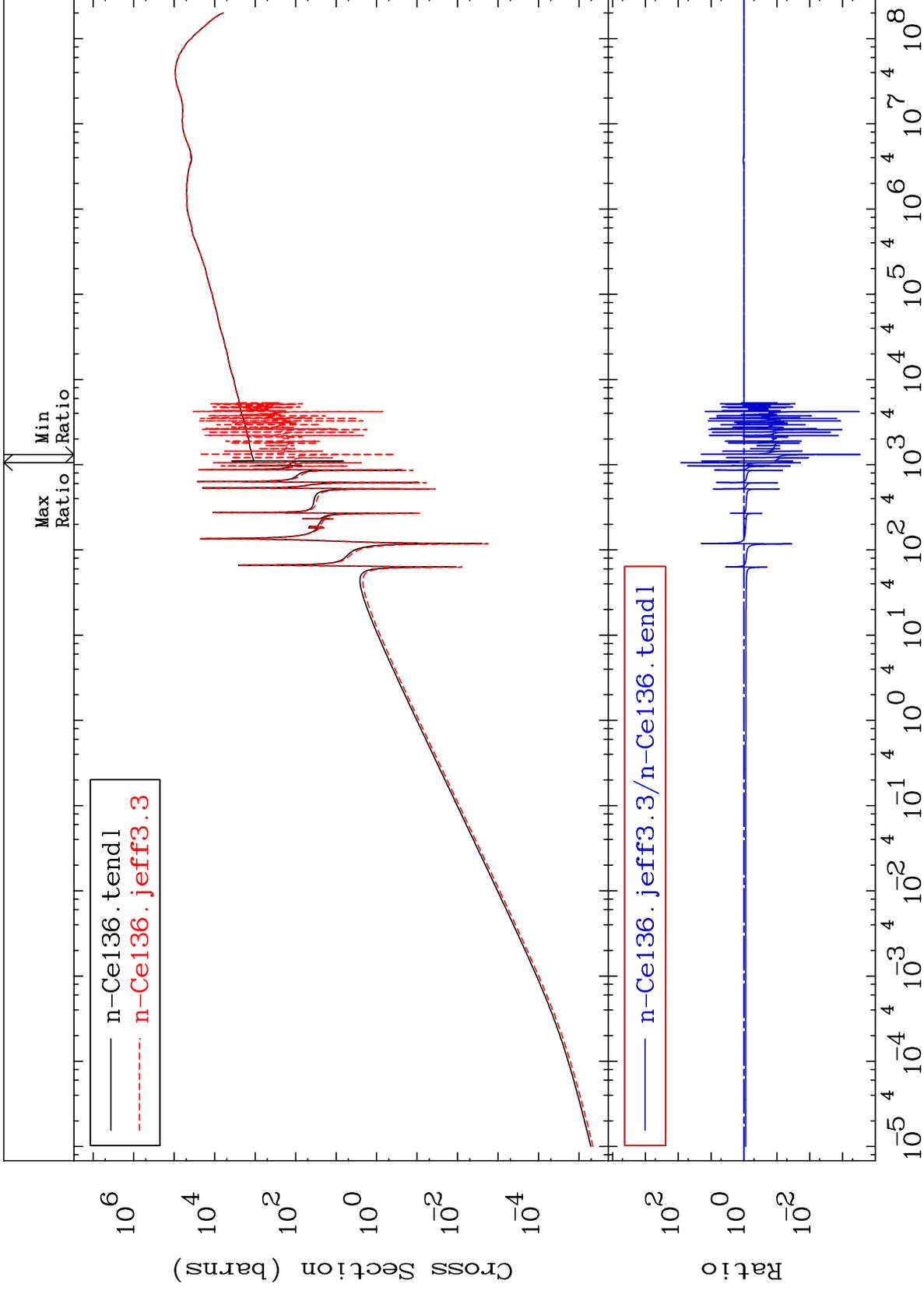
58-Ce-136
-14.15 To 5191. %

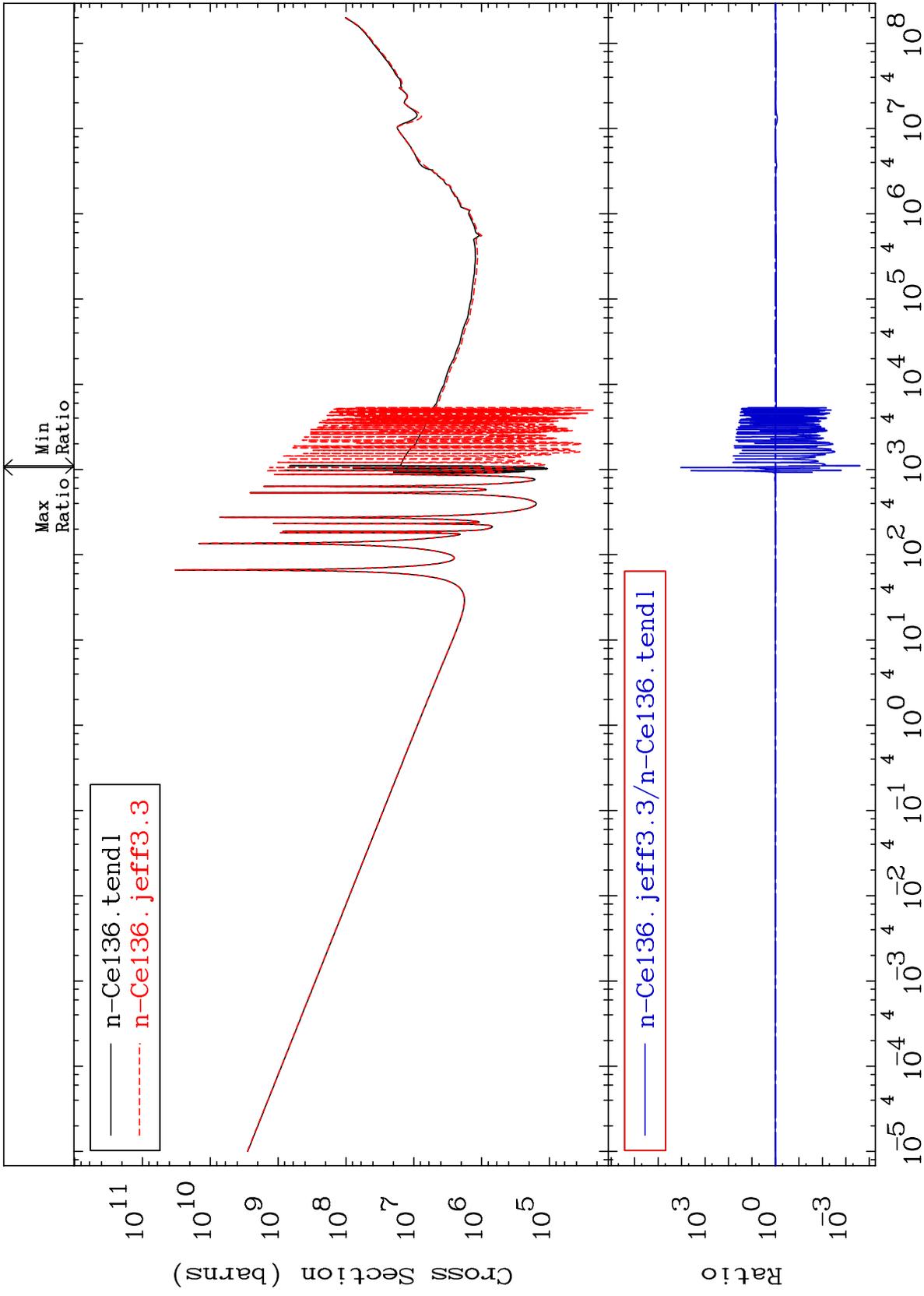


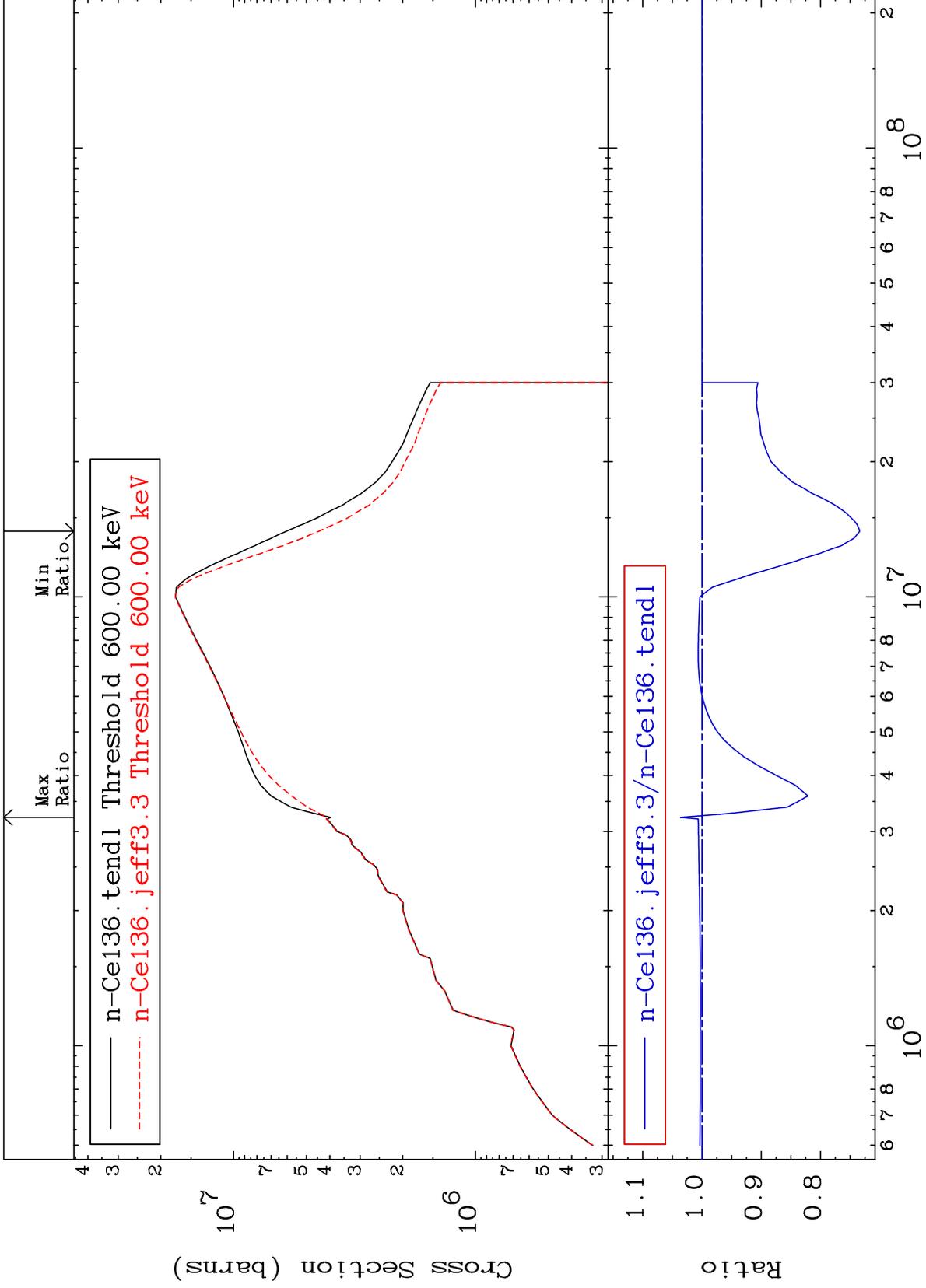
67

58-Ce-136





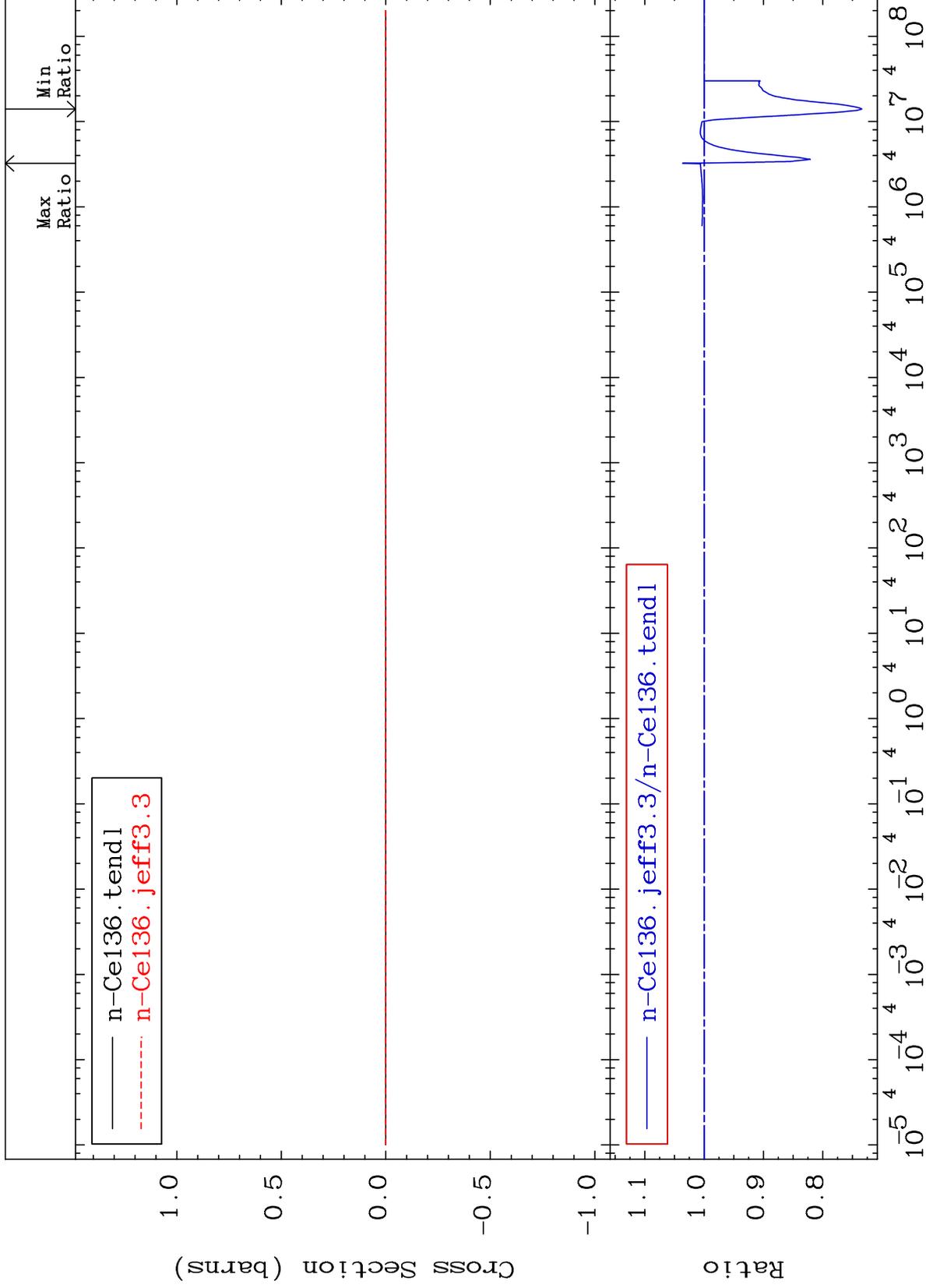




MAT 5825

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

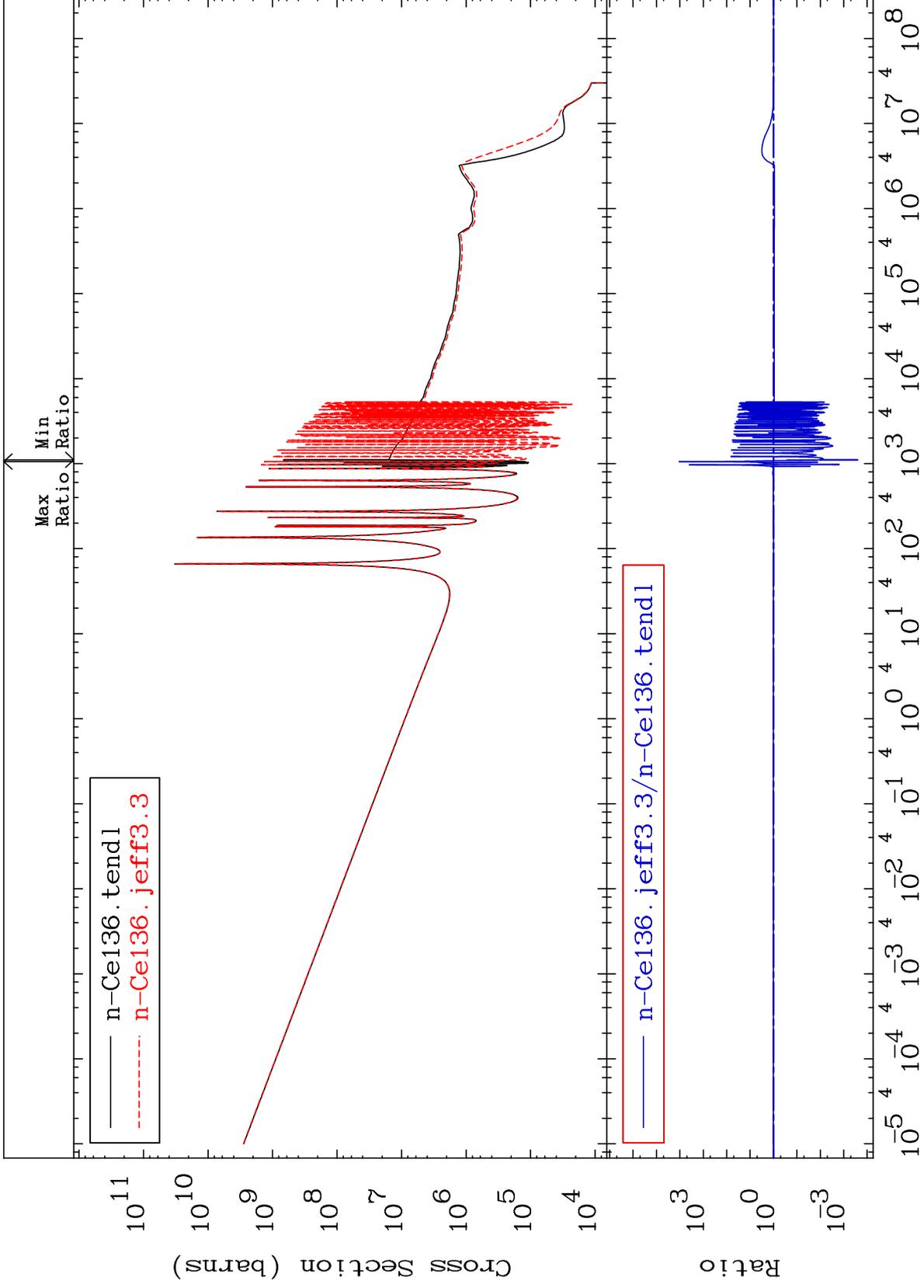
58-Ce-136
-26.61 To 3.617 %

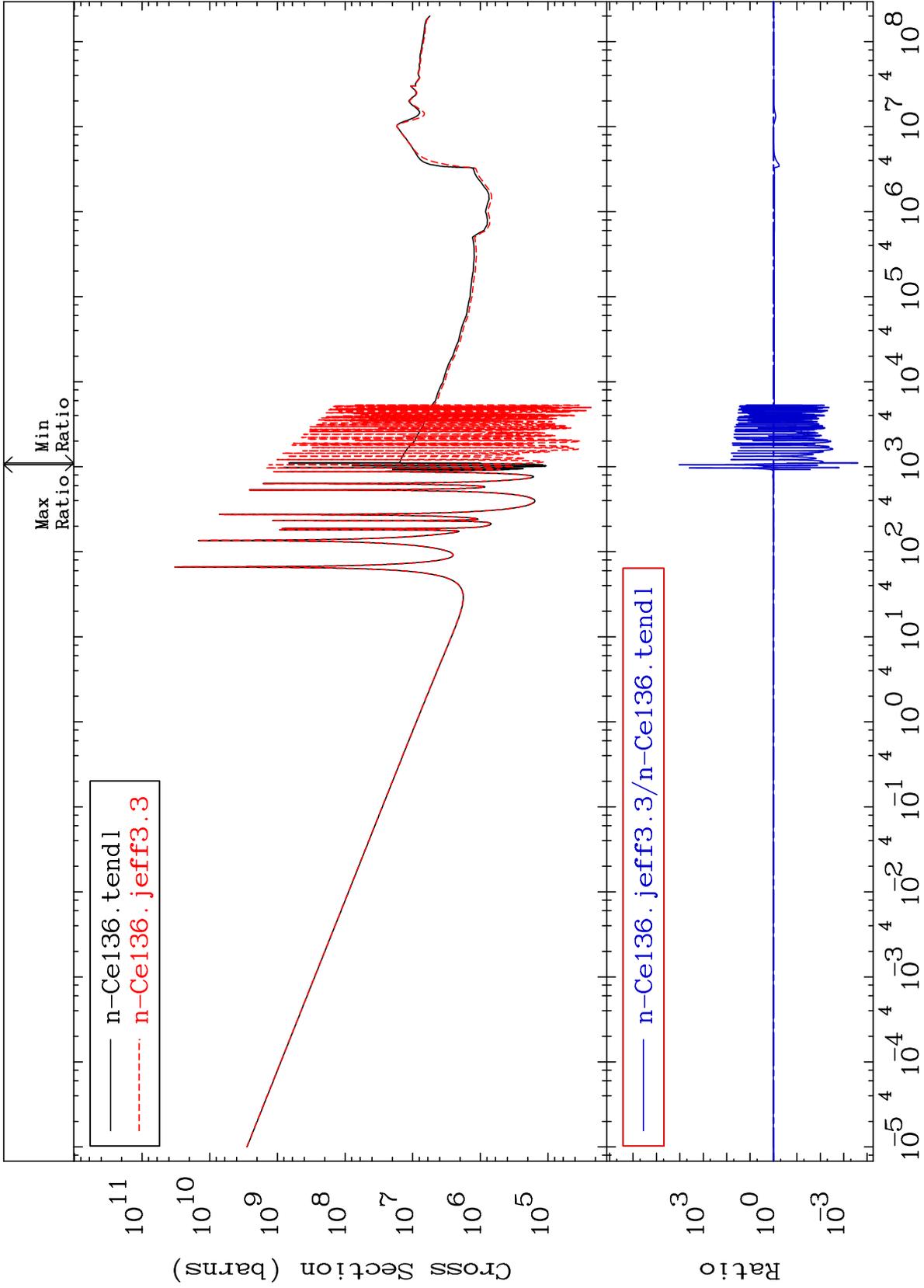


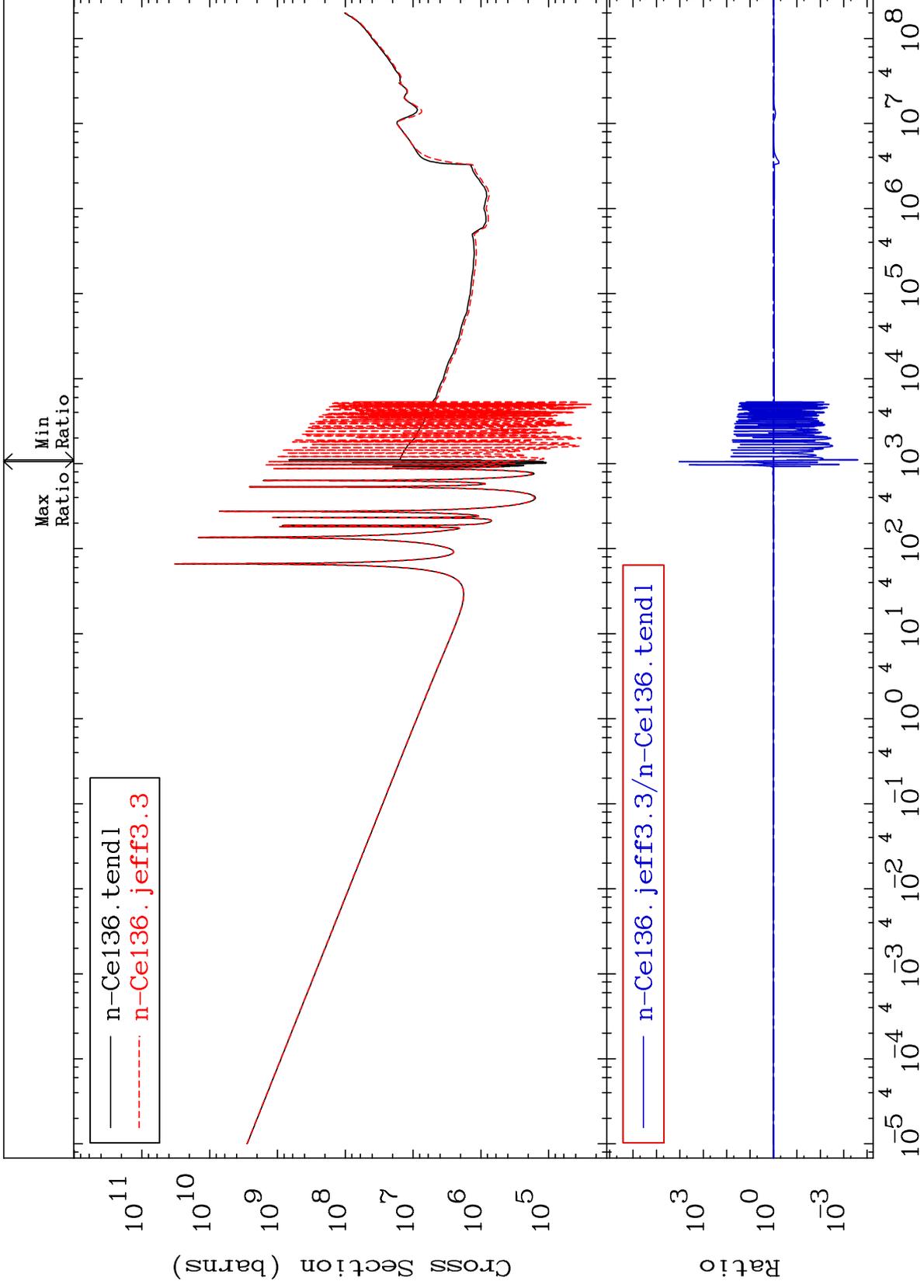
72

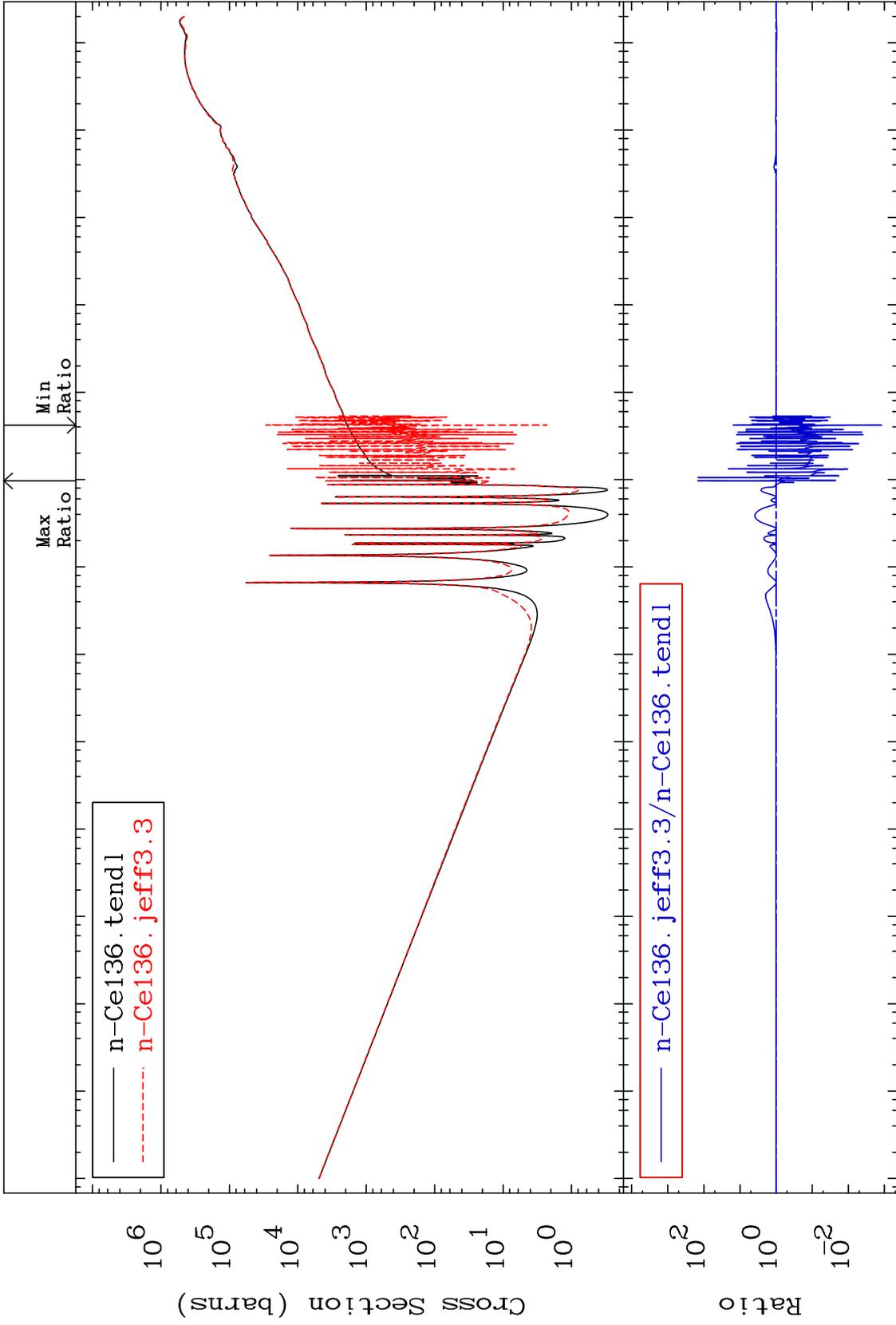
Incident Energy (eV)

58-Ce-136





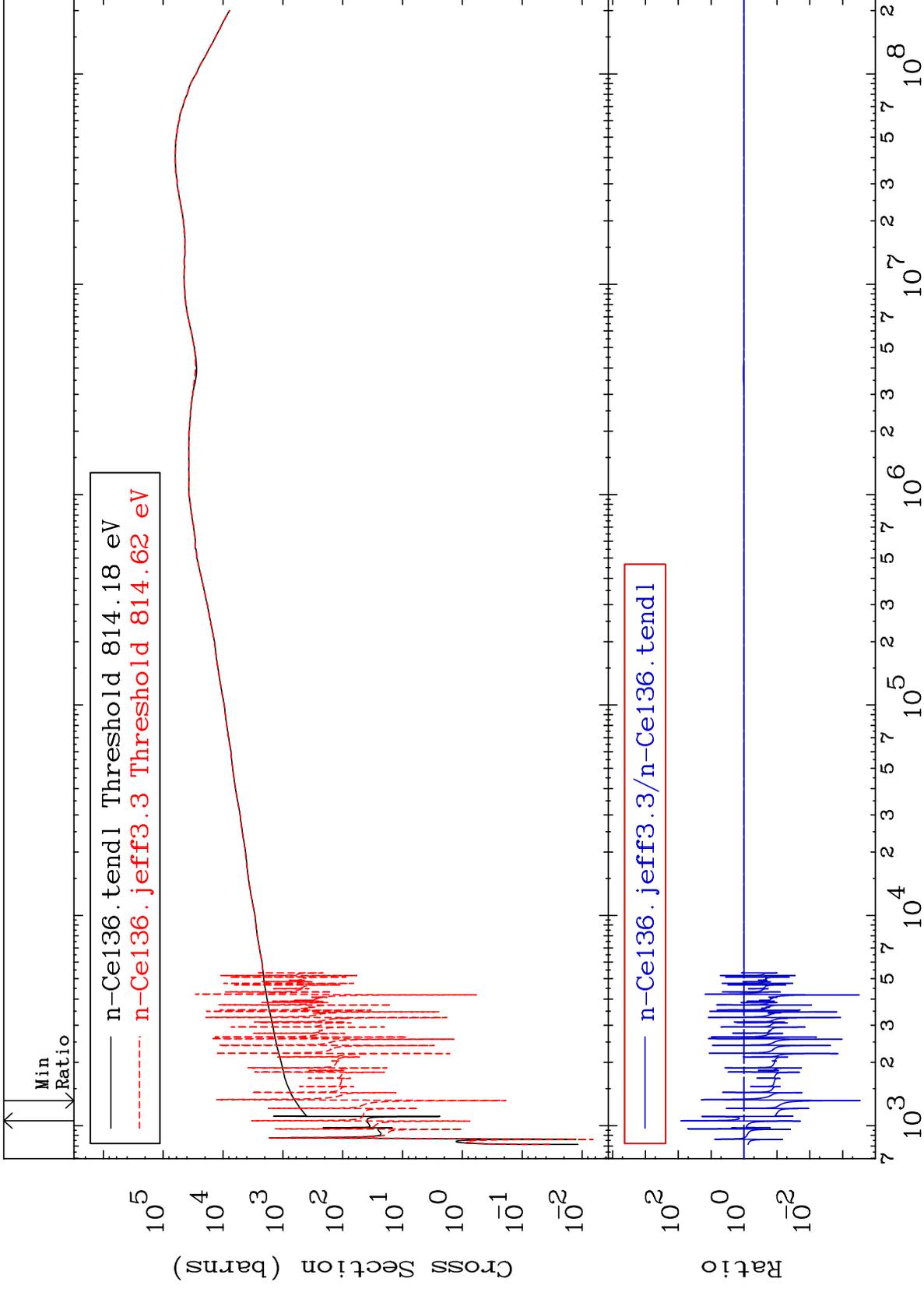




MAT 5825

Dpa elastic (mt2)
Cross Section

58-Ce-136
-99.97 To 8317. %



77

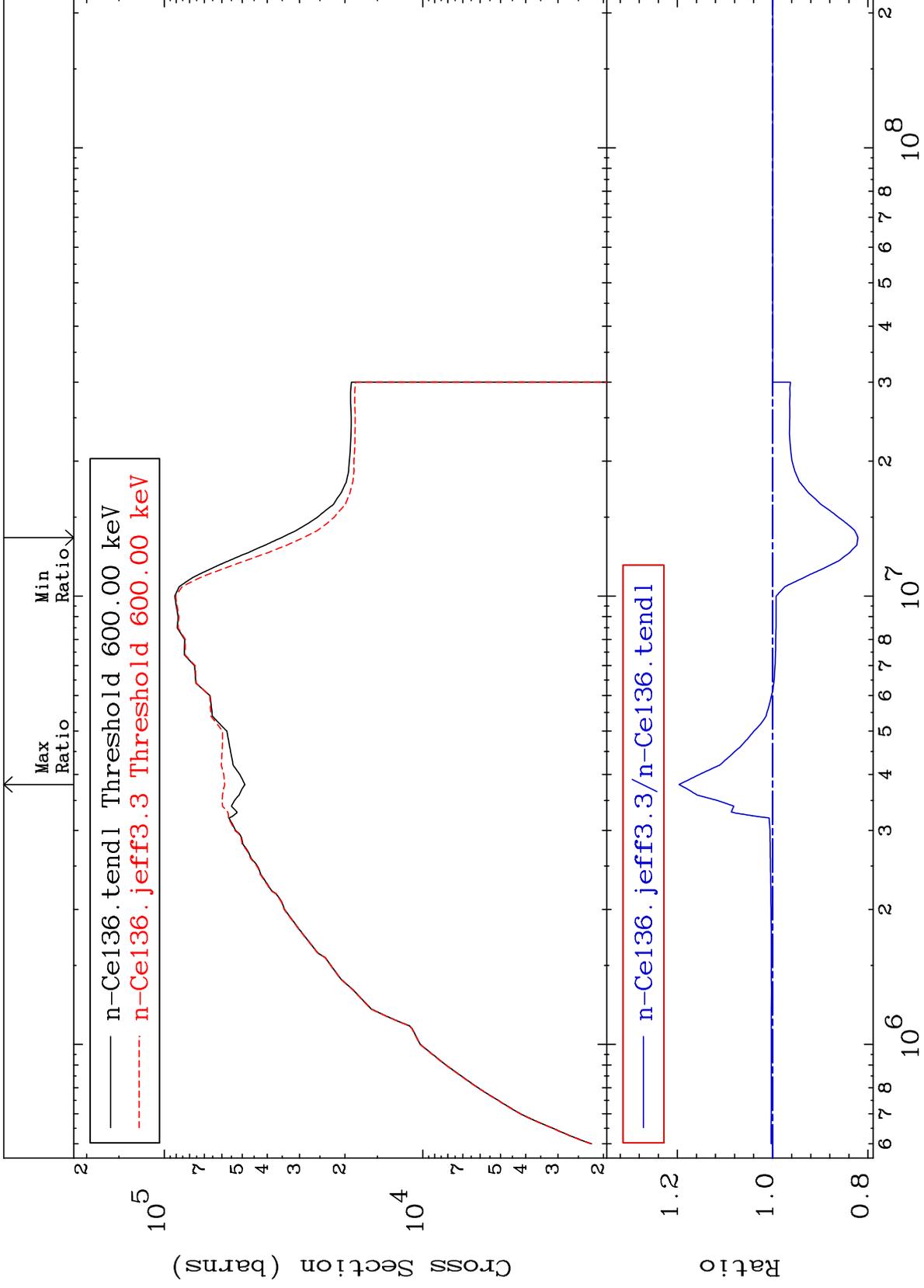
Incident Energy (eV)

58-Ce-136

MAT 5825

Dpa inelastic (mt51-91)
Cross Section

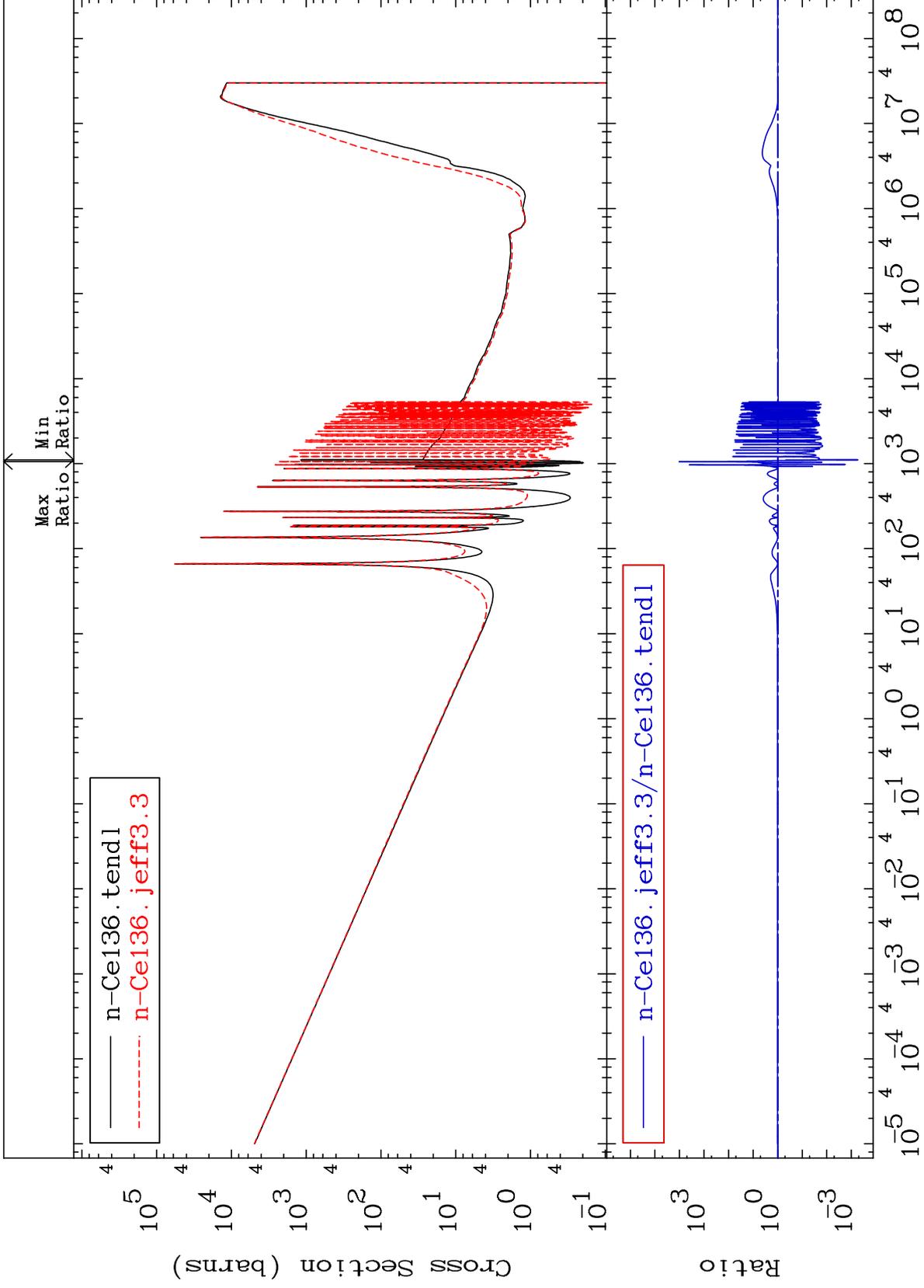
58-Ce-136
-17.90 To 19.65 %



78

Incident Energy (eV)

58-Ce-136

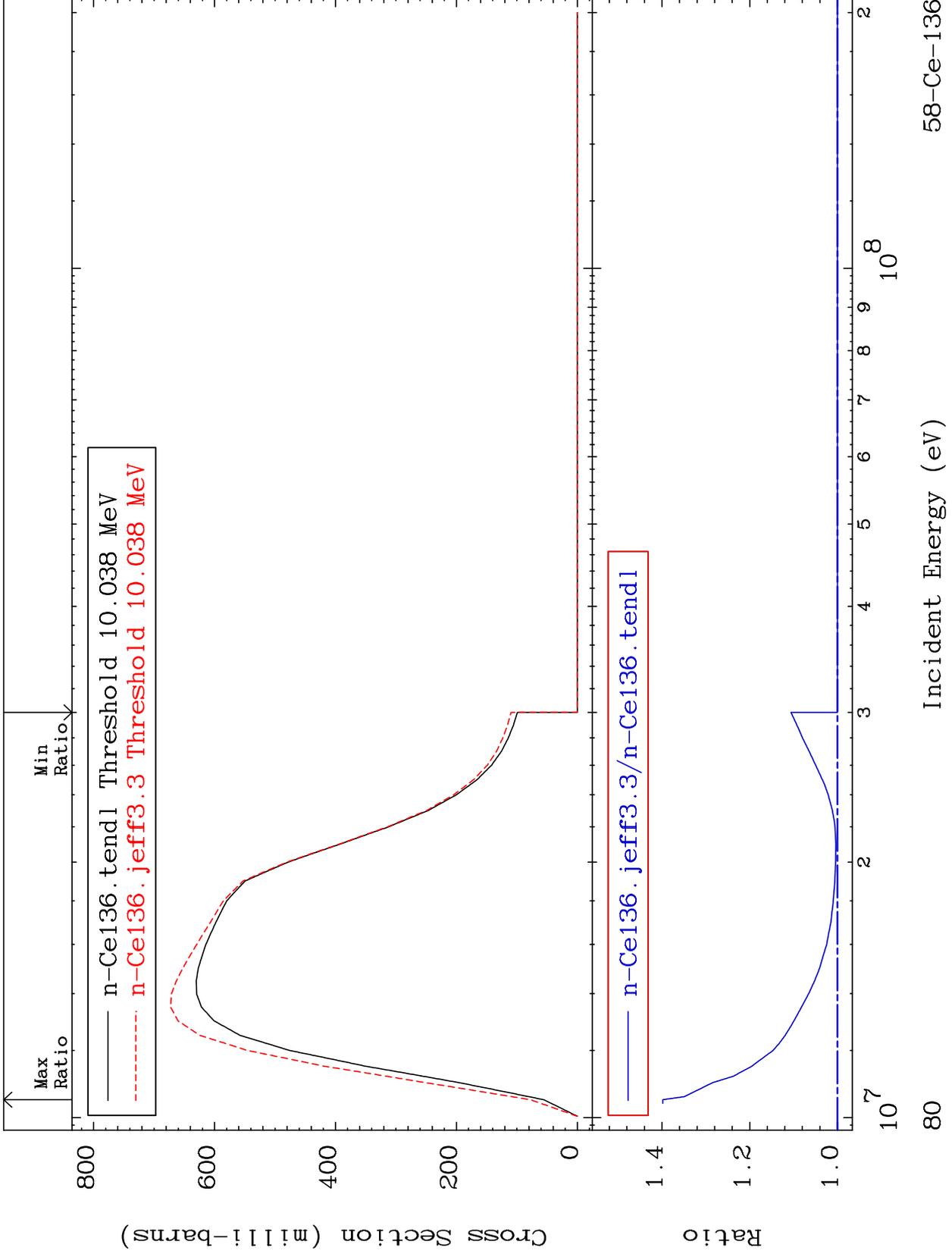


MAT 5825

(n,2n):58-Ce-135g

58-Ce-136

Radionuclide Production Cross Section 0.000 To 39.80 %

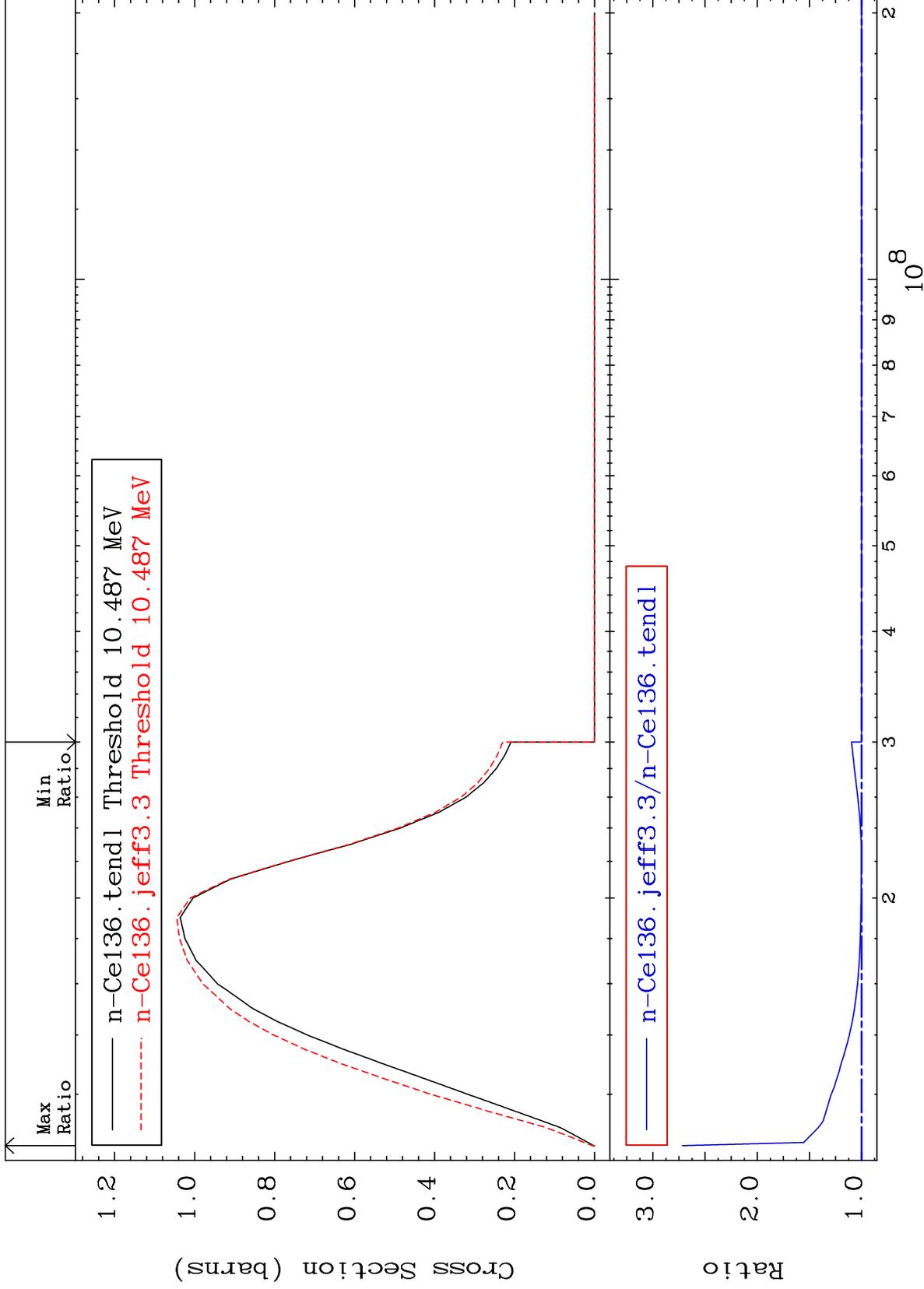


MAT 5825

(n,2n):58-Ce-135m4

58-Ce-136

Radionuclide Production Cross Section 0.000 To 171.8 %



81

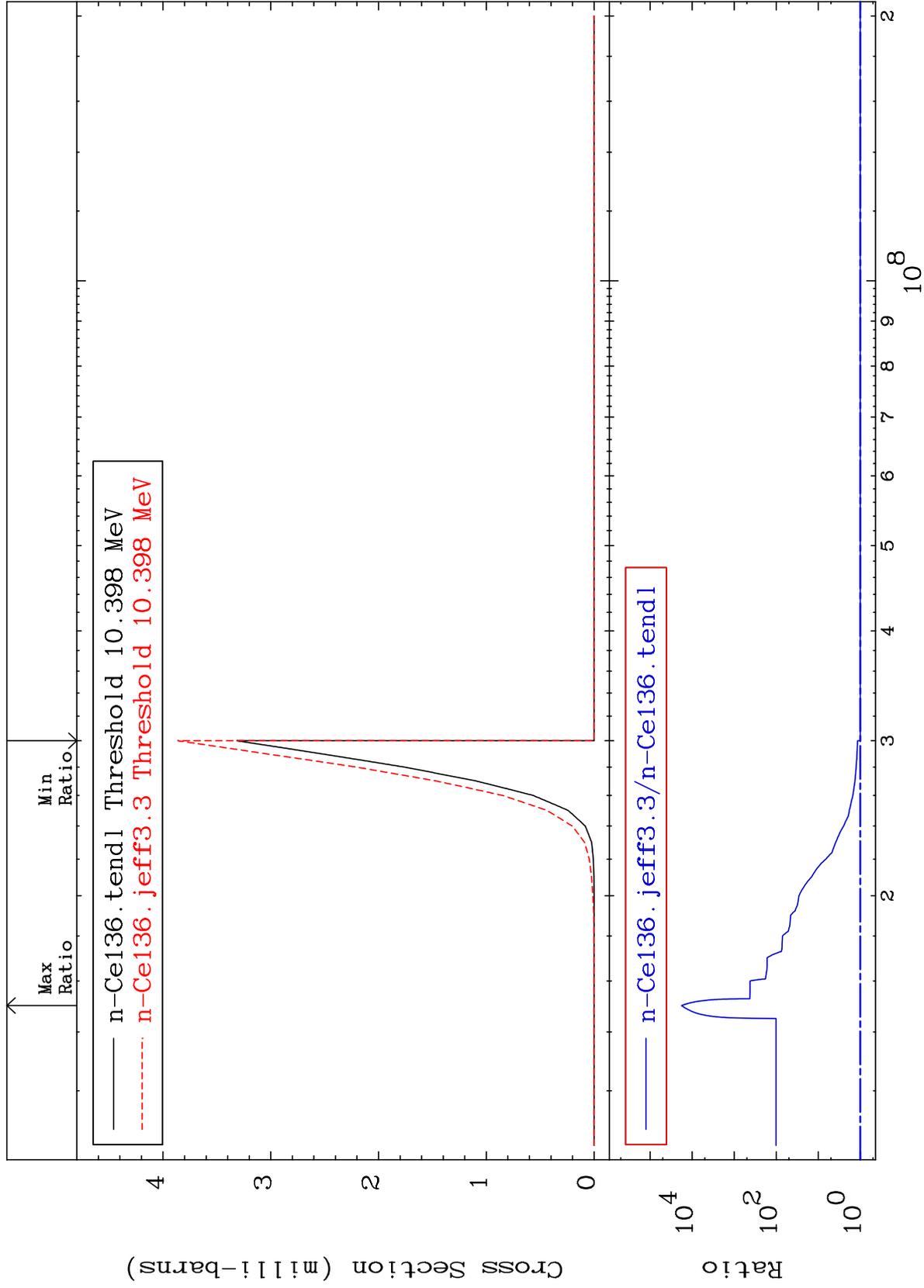
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n) α :56-Ba-131g 58-Ce-136

Radionuclide Production Cross Section 0.000 To 9999. %

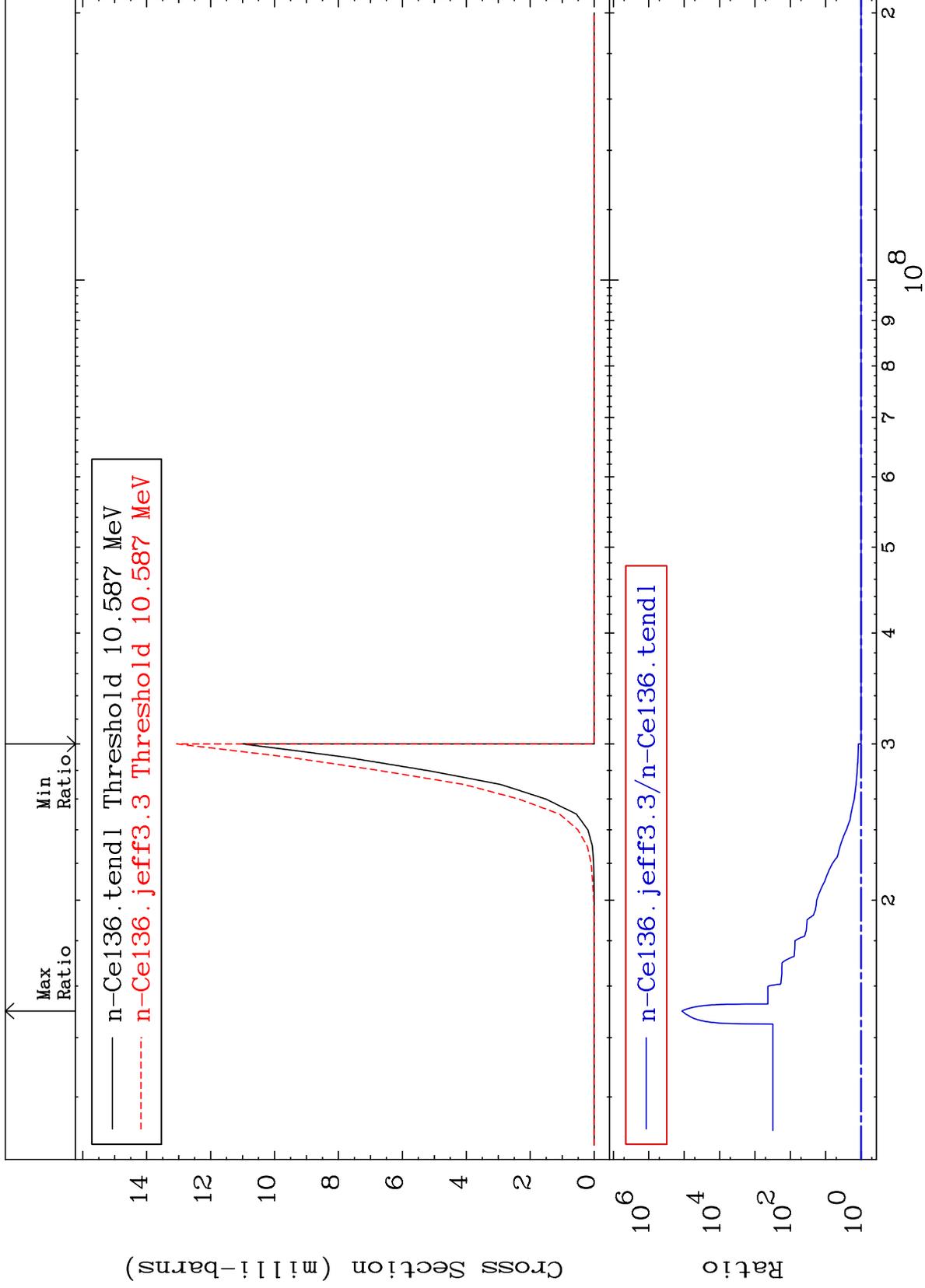


MAT 5825

(n,2n) α :56-Ba-131m2

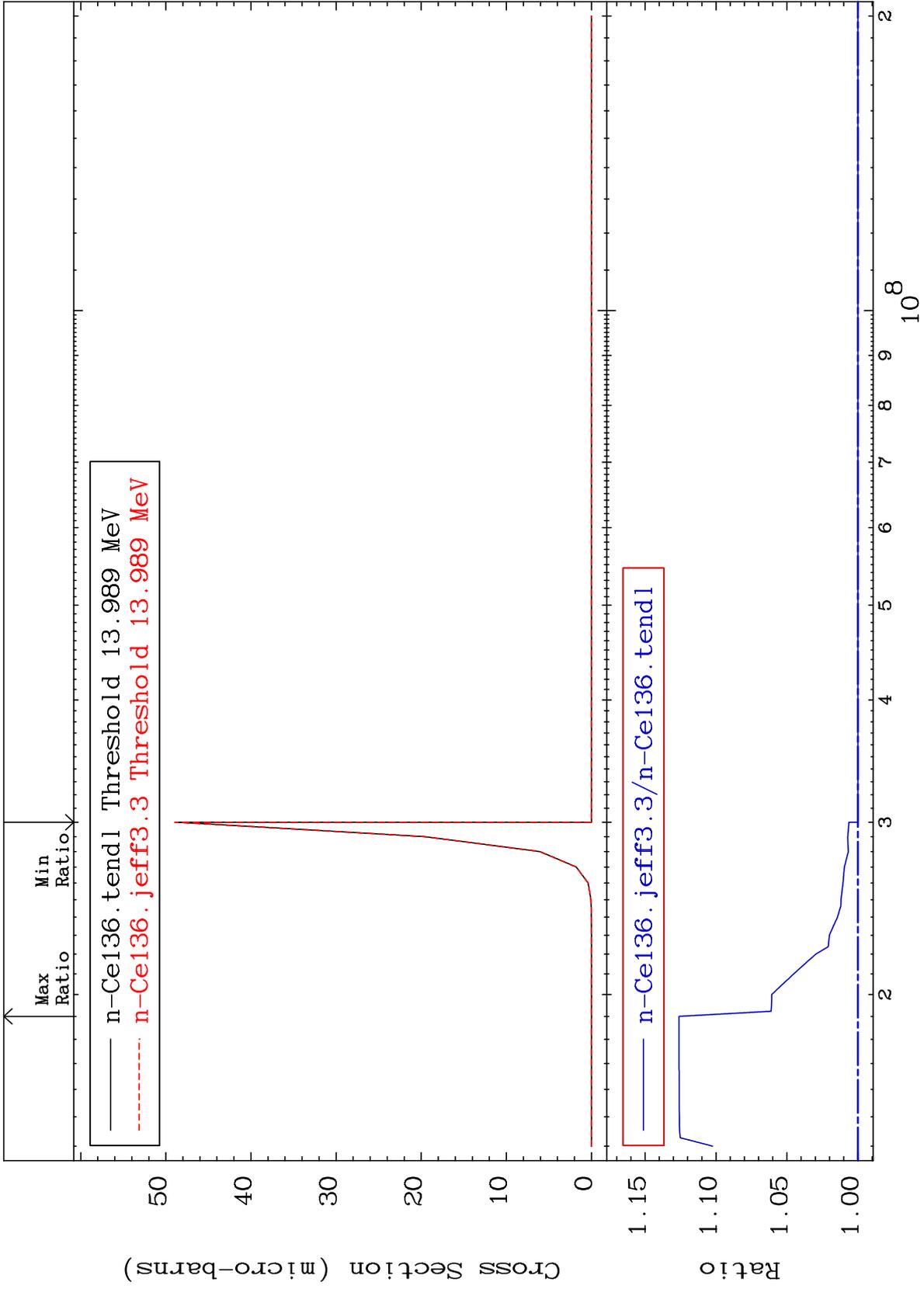
58-Ce-136

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 5825

(n, n') He-3:56-Ba-133g 58-Ce-136
Radionuclide Production Cross Section 0.000 To 12.60 %

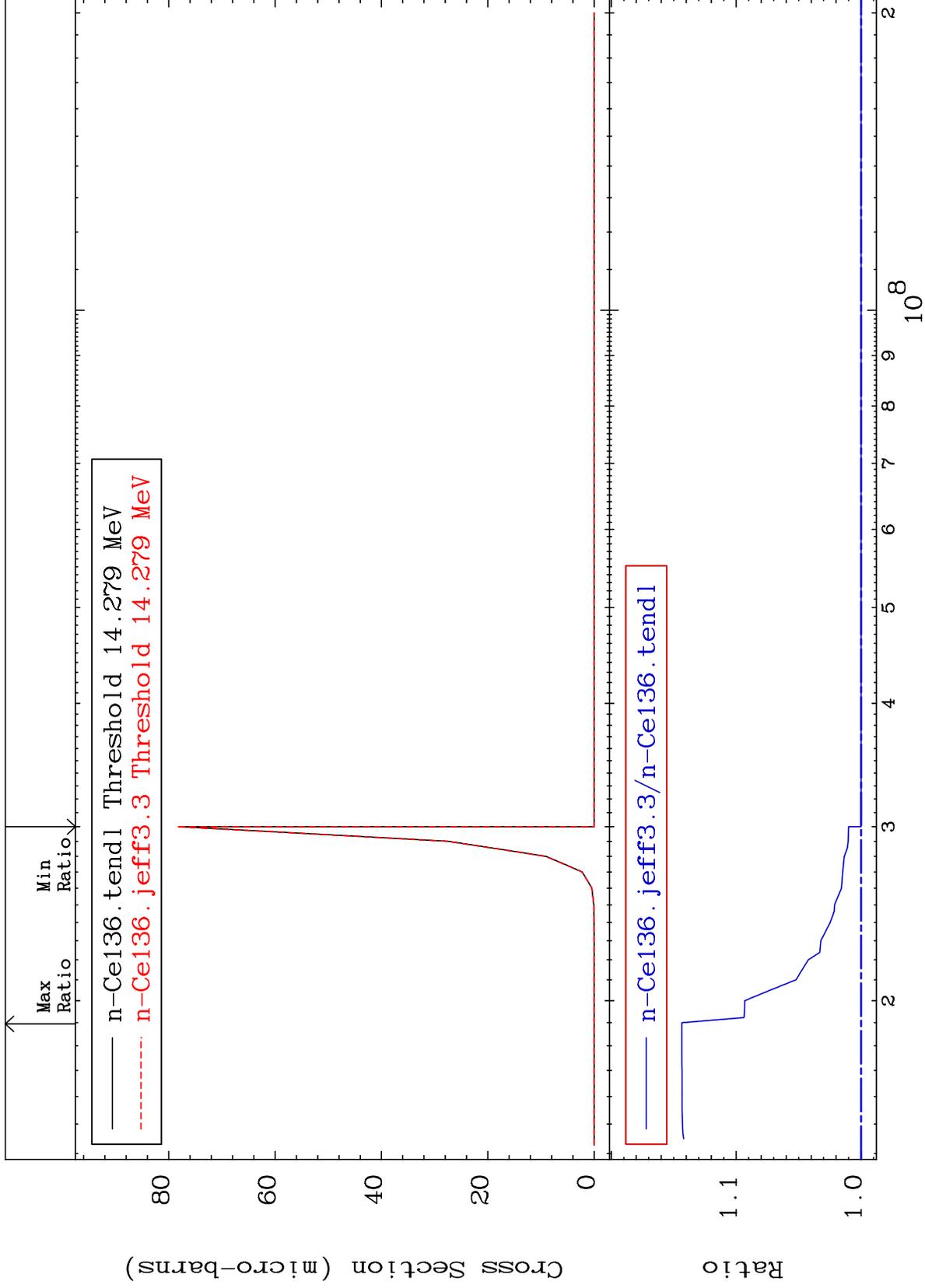


MAT 5825

(n, n') He-3:56-Ba-133m2

58-Ce-136

Radionuclide Production Cross Section 0.000 To 14.35 %

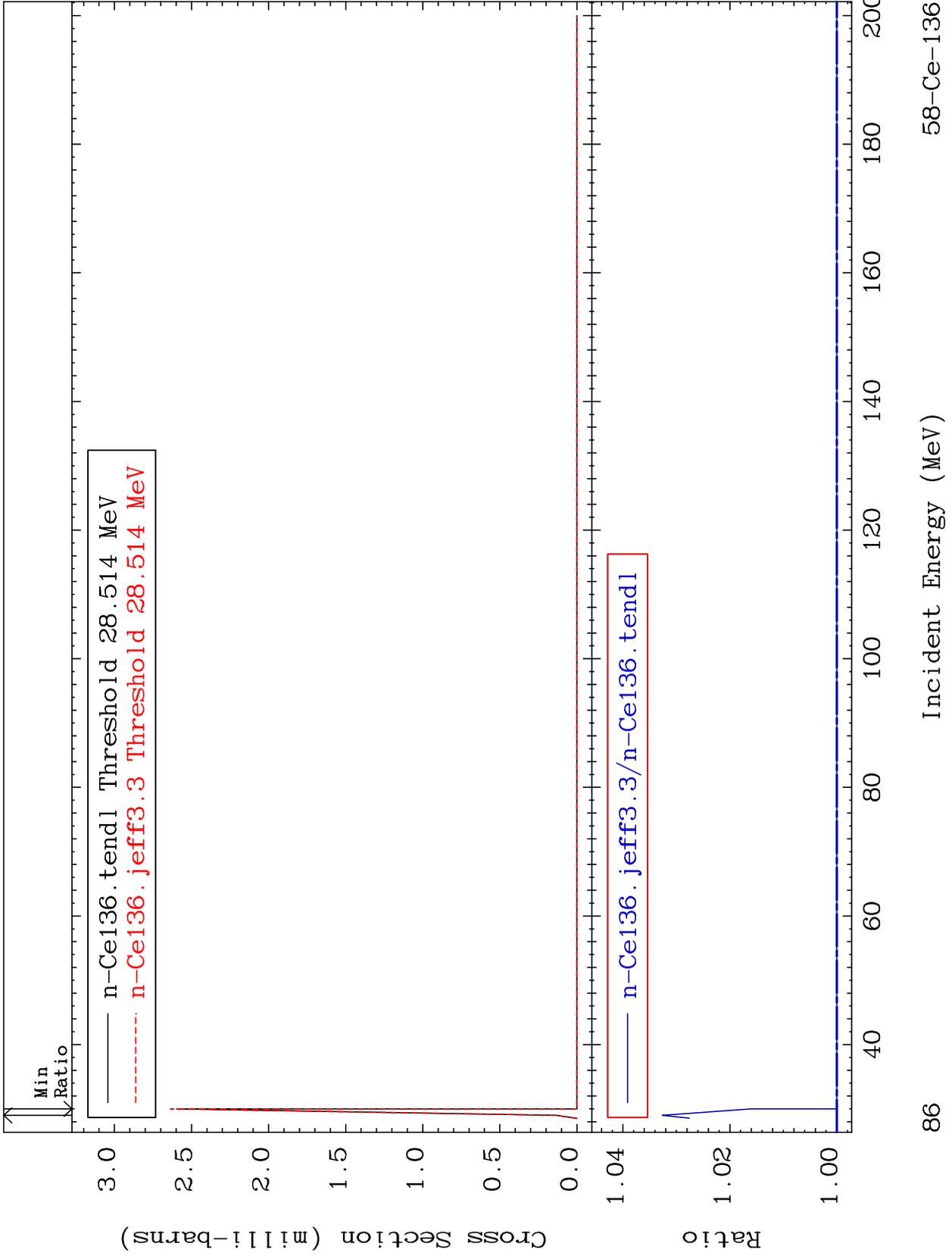


MAT 5825

(n, 4n):58-Ce-133g

58-Ce-136

Radionuclide Production Cross Section 0.000 To 3.263 %

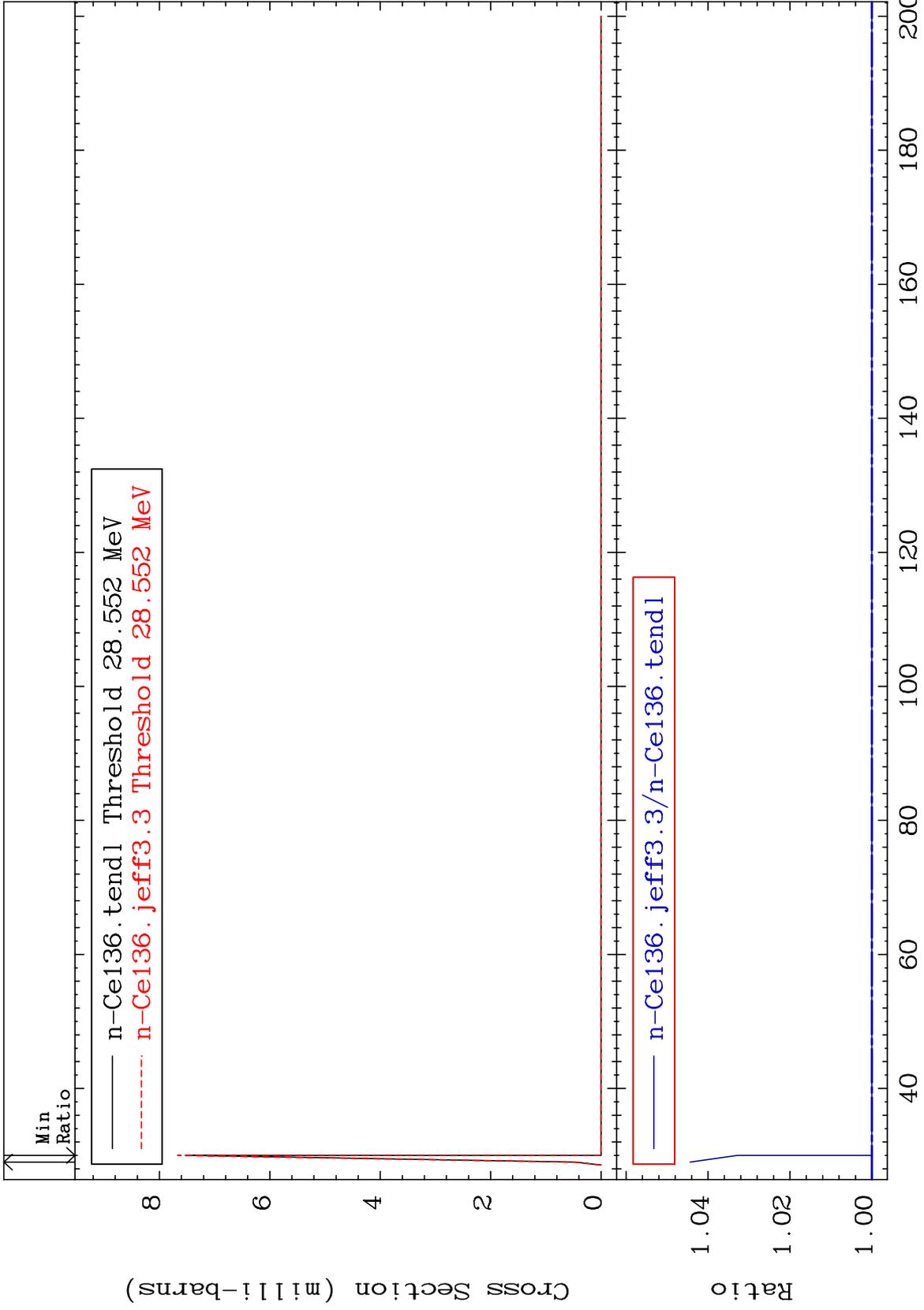


MAT 5825

(n, 4n): 58-Ce-133m1

58-Ce-136

Radionuclide Production Cross Section 0.000 To 4.438 %

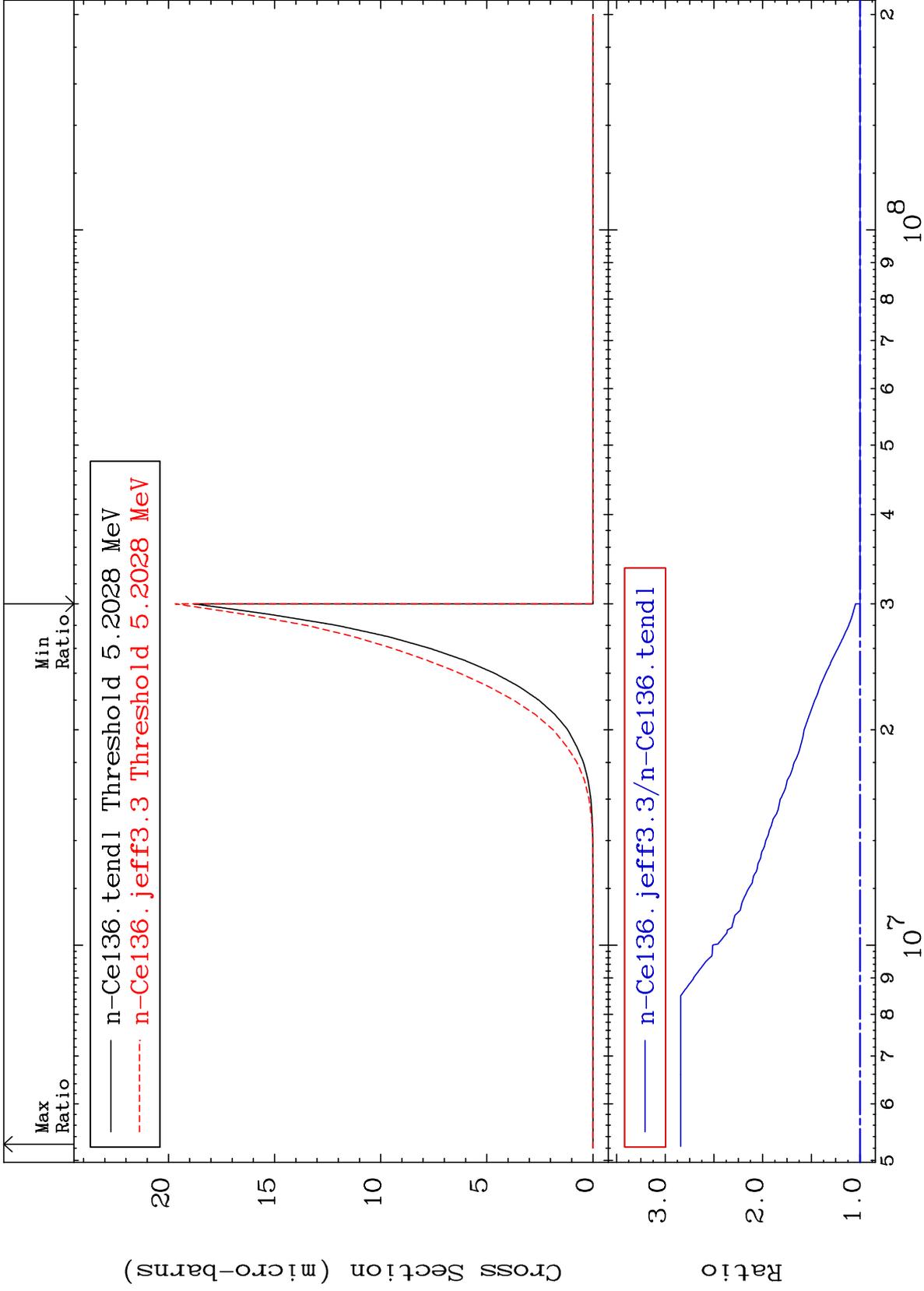


MAT 5825

(n,2p):56-Ba-135g

58-Ce-136

Radionuclide Production Cross Section 0.000 To 184.1 %

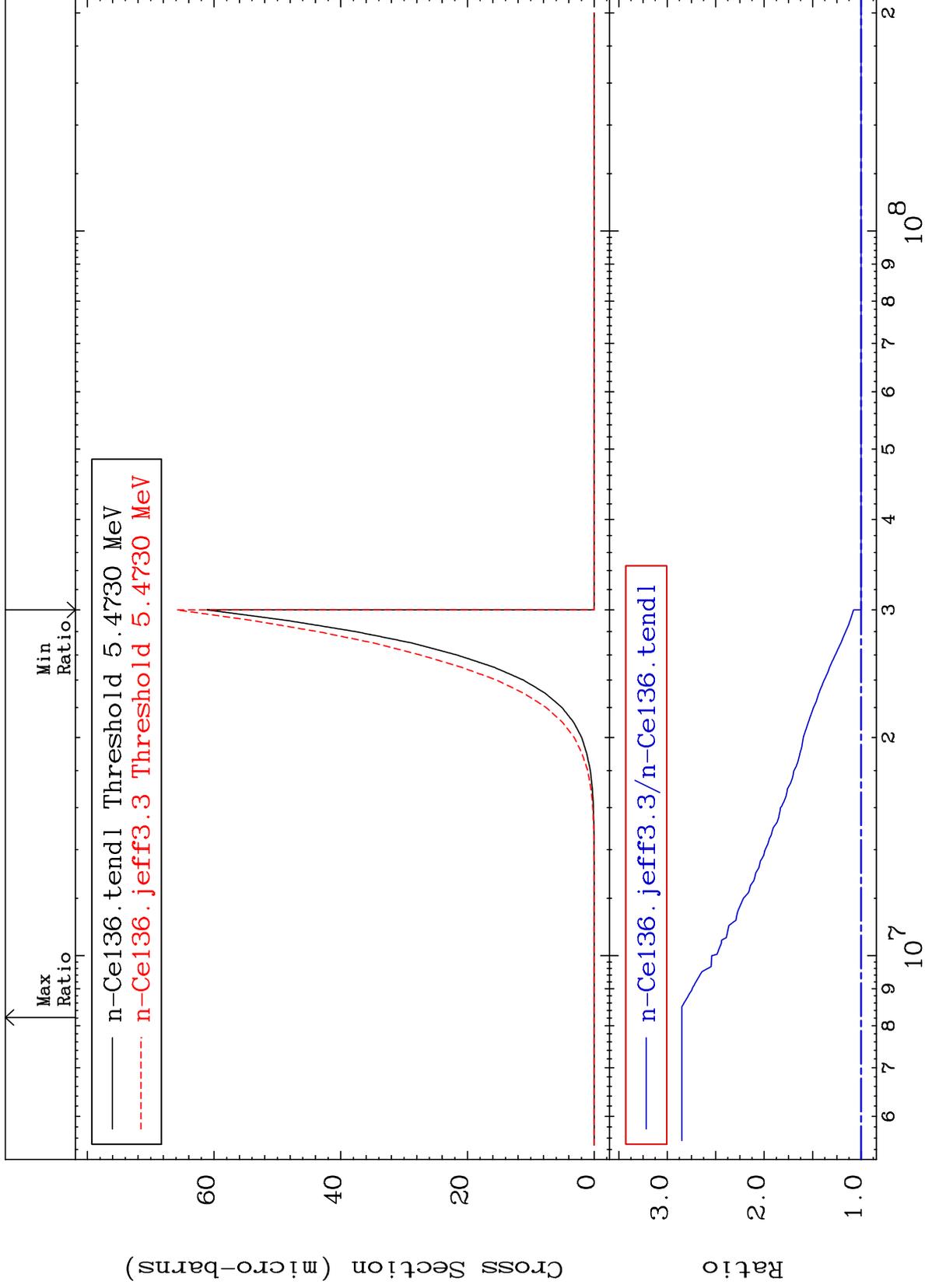


MAT 5825

(n,2p):56-Ba-135m2

58-Ce-136

Radionuclide Production Cross Section 0.000 To 184.9 %

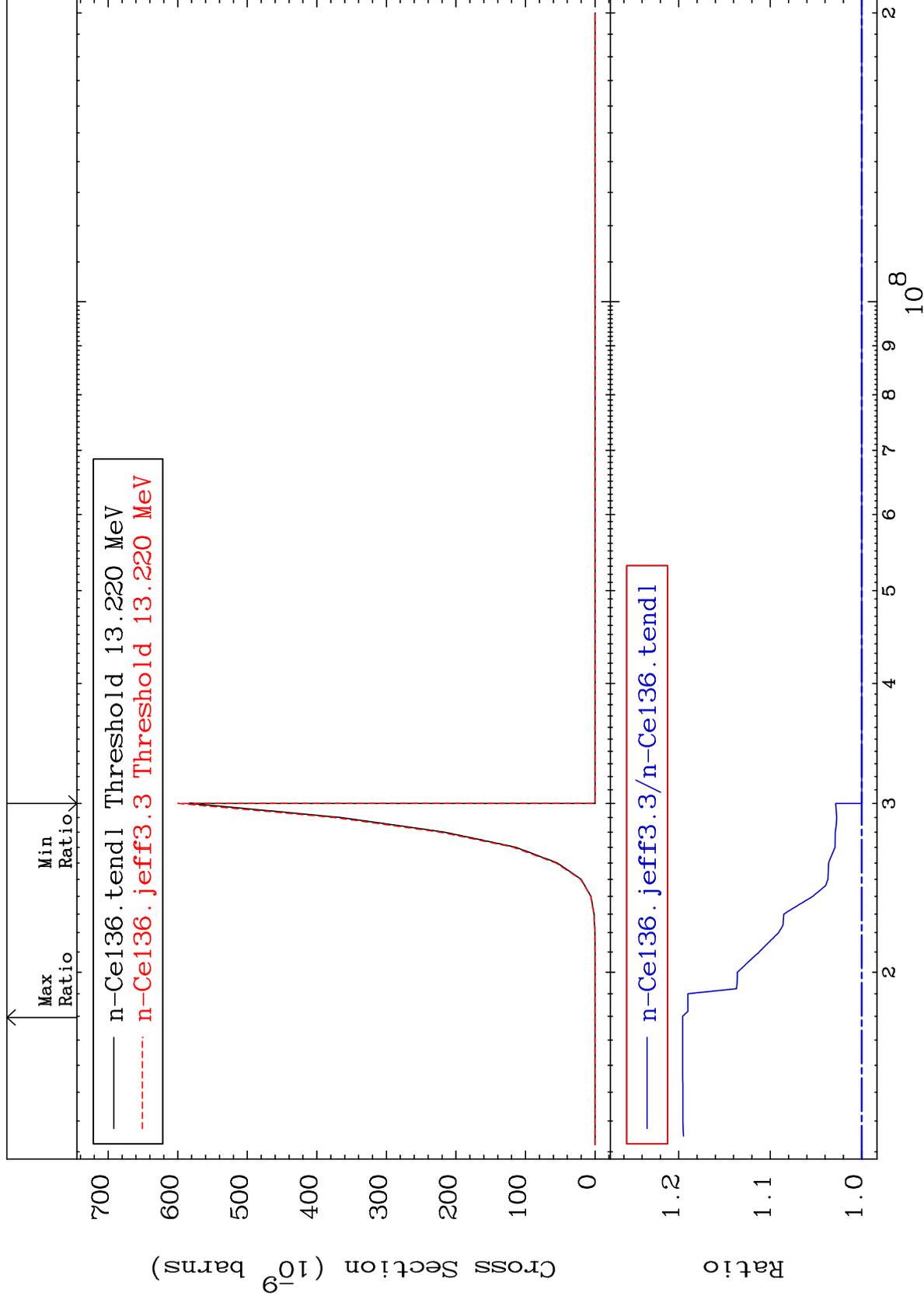


MAT 5825

(n, p) t:56-Ba-133g

58-Ce-136

Radionuclide Production Cross Section 0.000 To 19.56 %



90

Incident Energy (eV)

58-Ce-136

MAT 5825

(n, p) t:56-Ba-133m2

58-Ce-136

Radionuclide Production Cross Section 0.000 To 19.97 %

