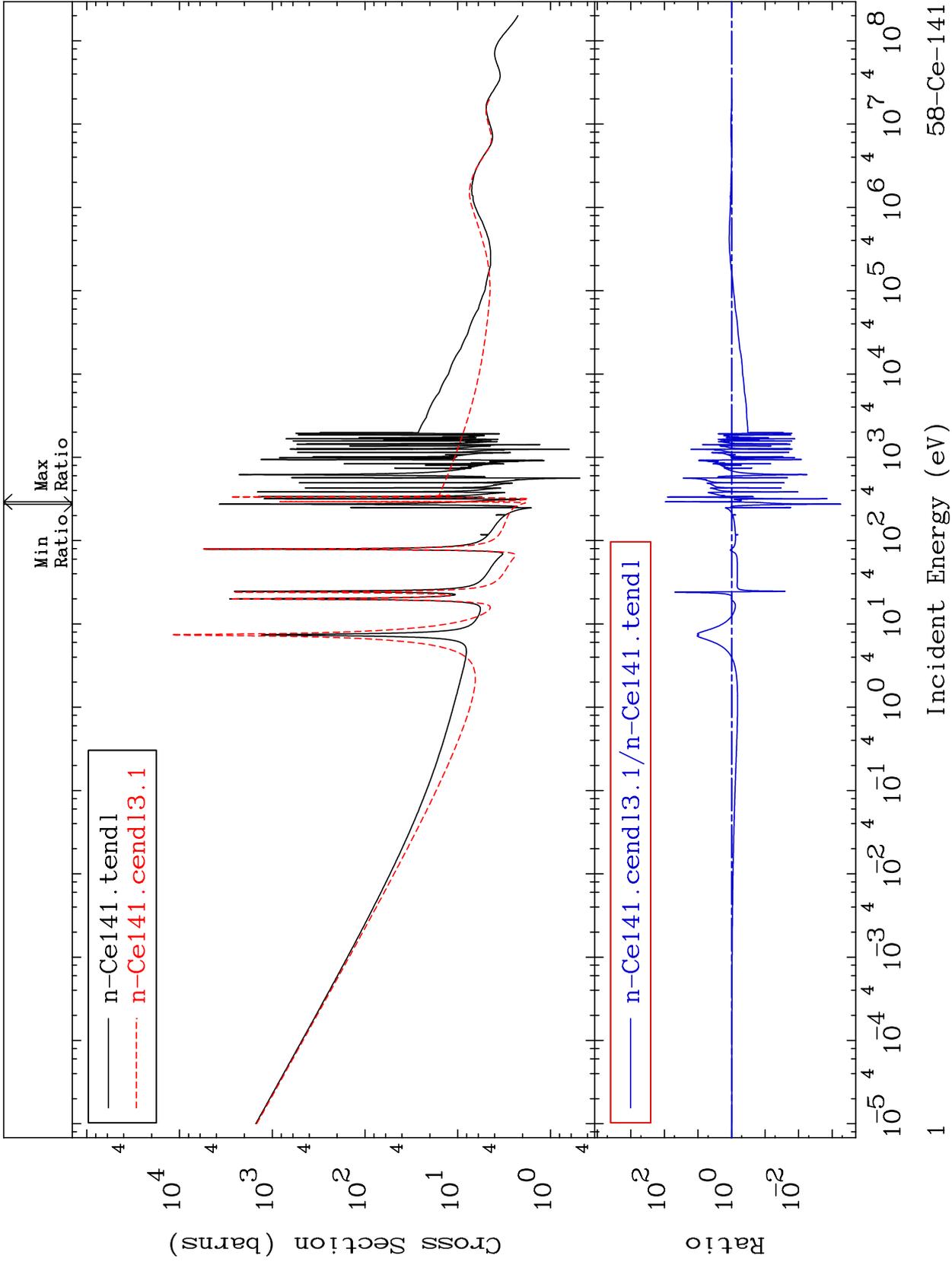


MAT 5840

Total Cross Section
58-Ce-141
-99.94 To 9146. %



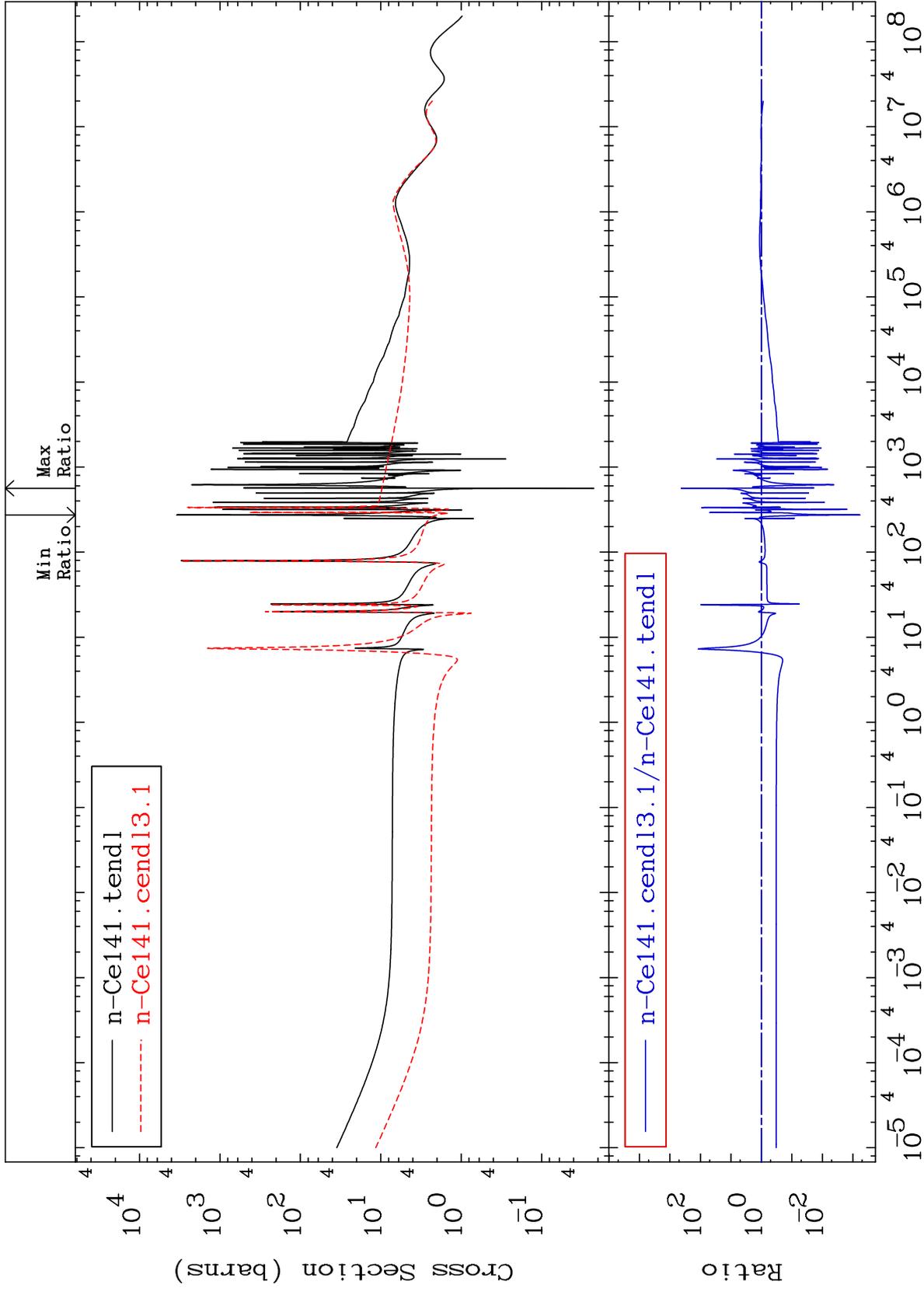
MAT 5840

Elastic

58-Ce-141

Cross Section

-99.94 To 9999. %



2

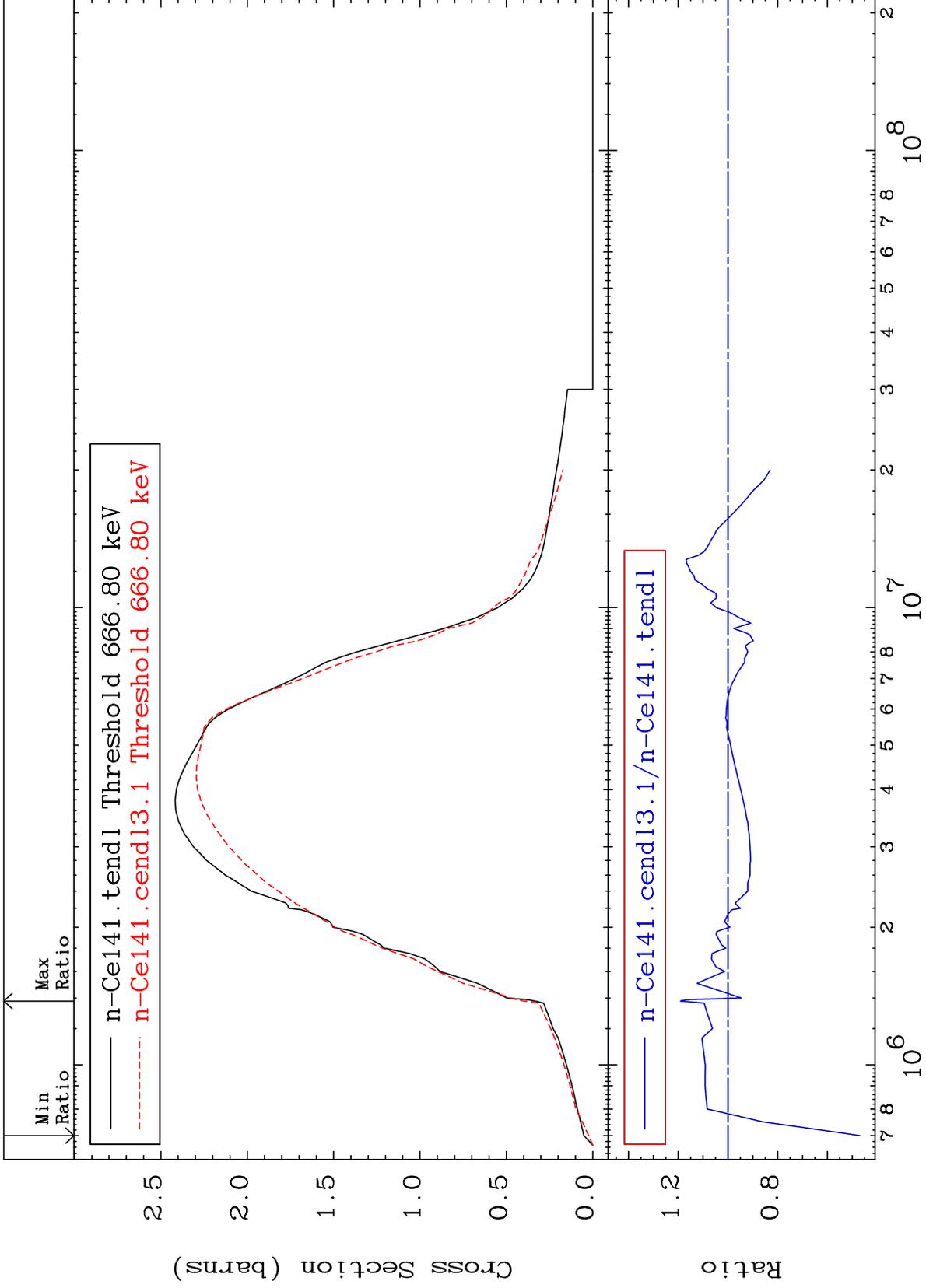
Incident Energy (eV)

58-Ce-141

MAT 5840

Inelastic
Cross Section

58-Ce-141
-53.04 To 19.09 %



3

Incident Energy (eV)

58-Ce-141

MAT 5840

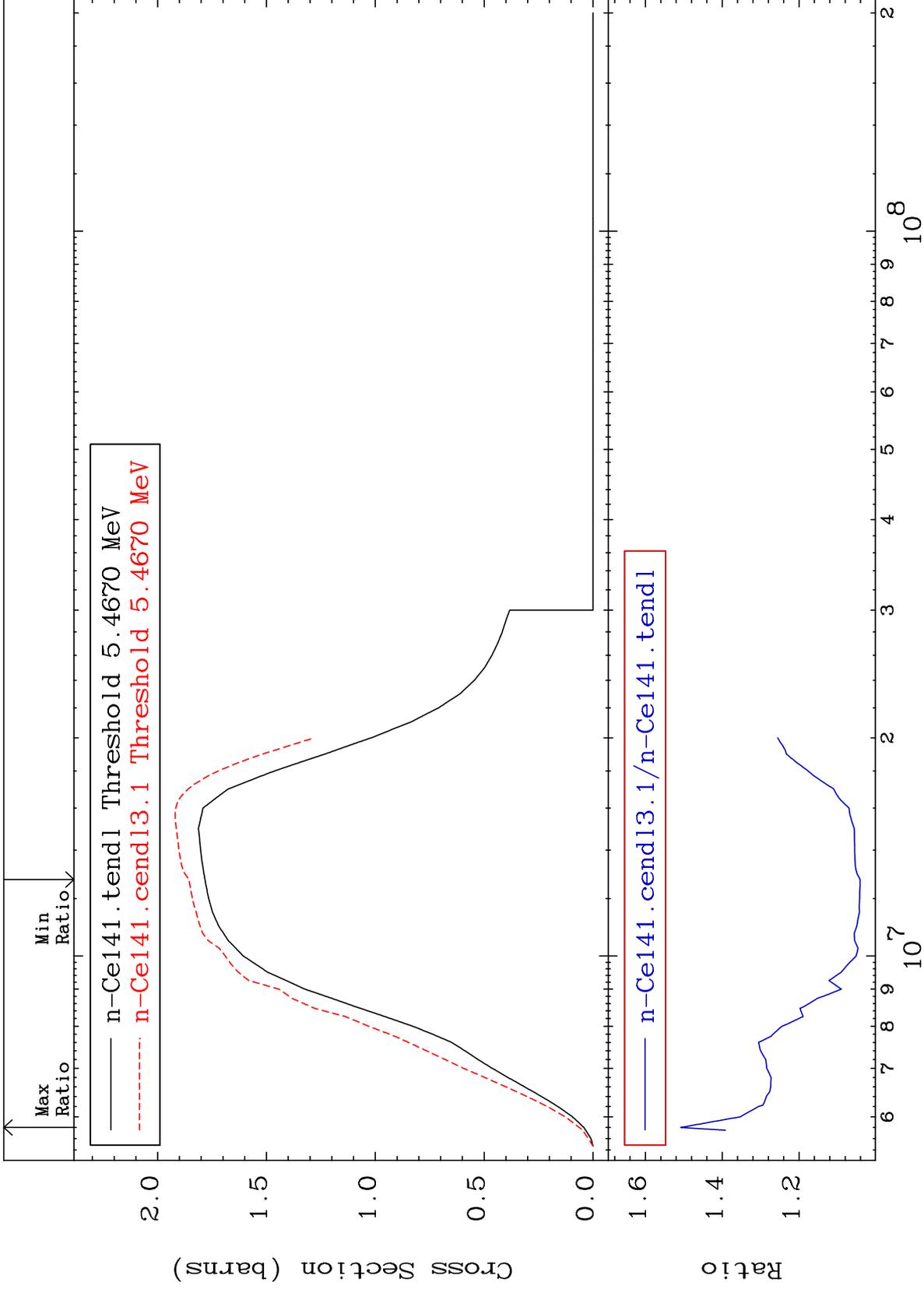
(n,2n)

58-Ce-141

Cross Section

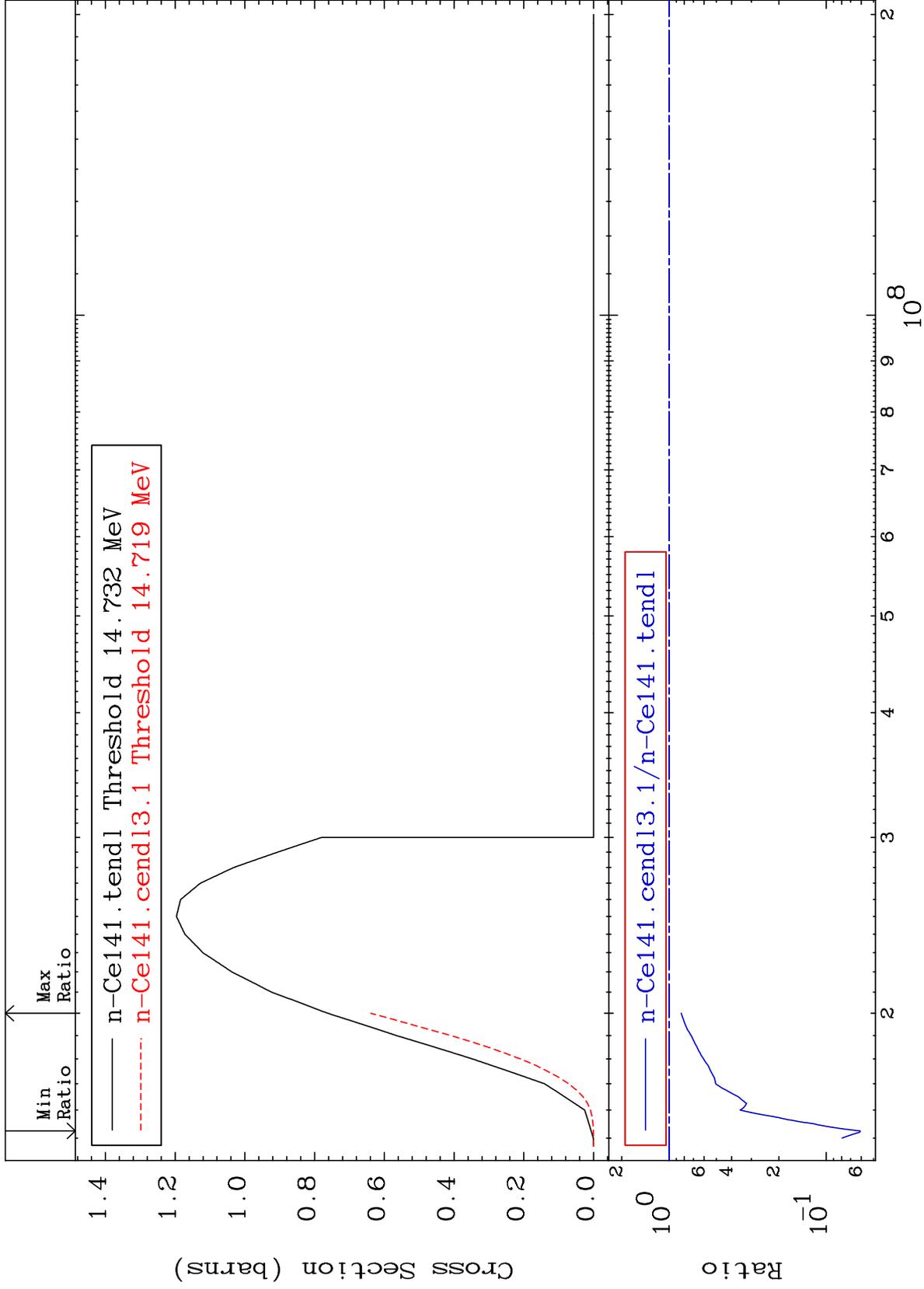
4.114

To 50.80 %



Cross Section

-93.91 To -16.21%

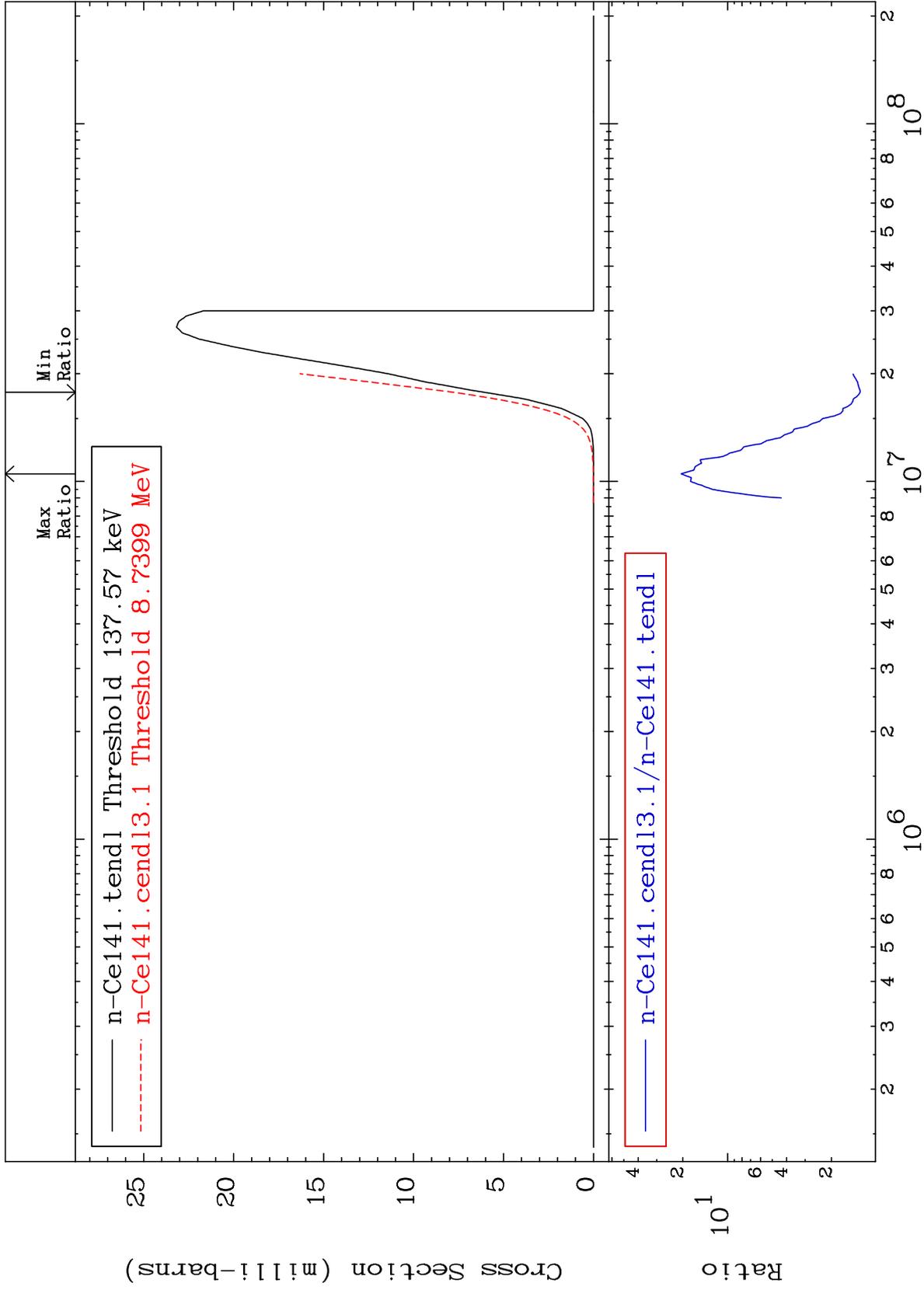


MAT 5840

(n,n') α
Cross Section

58-Ce-141

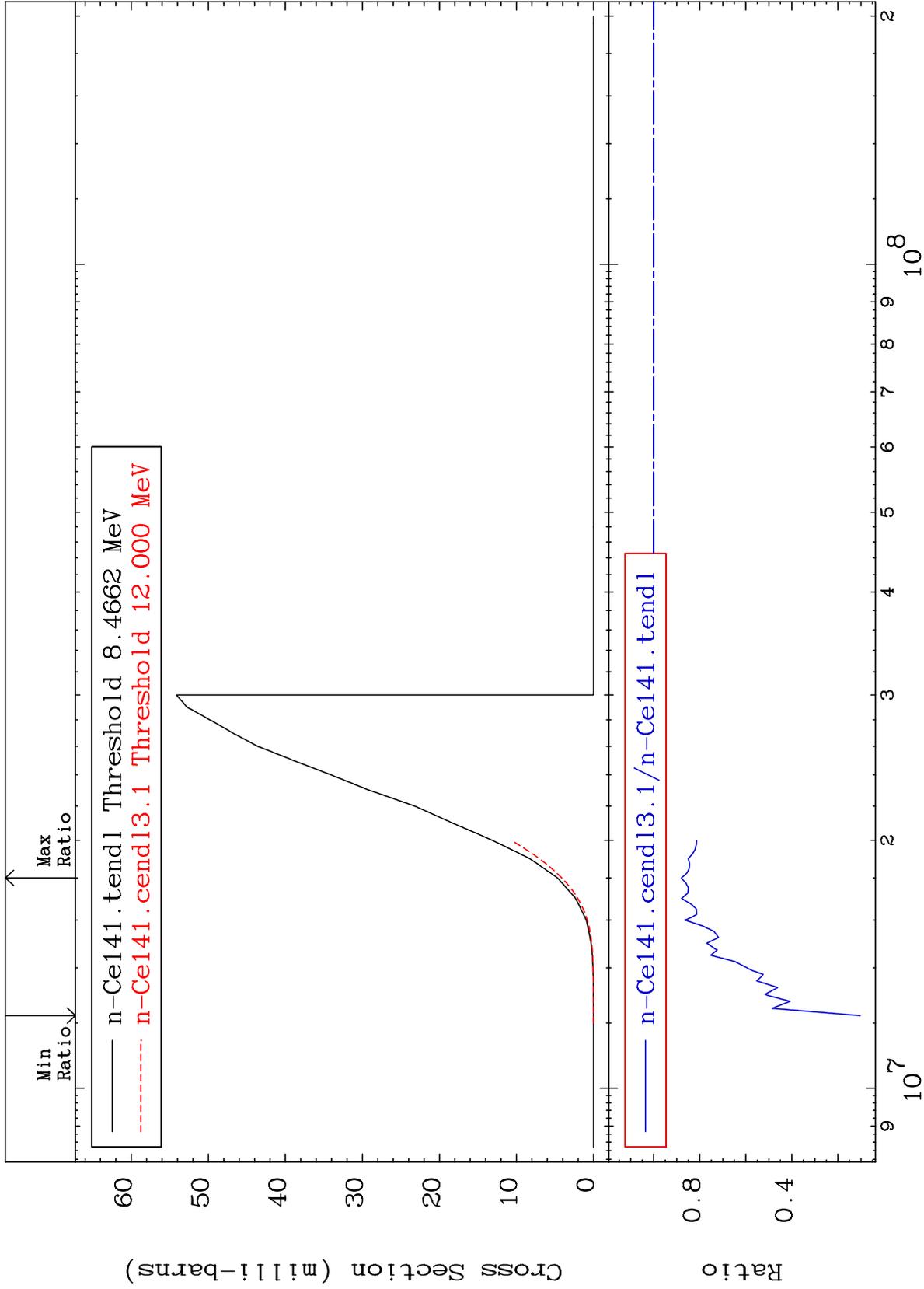
27.88 To 1952. %



MAT 5840

(n,n') p
Cross Section

58-Ce-141
-89.67 To -11.93%



7

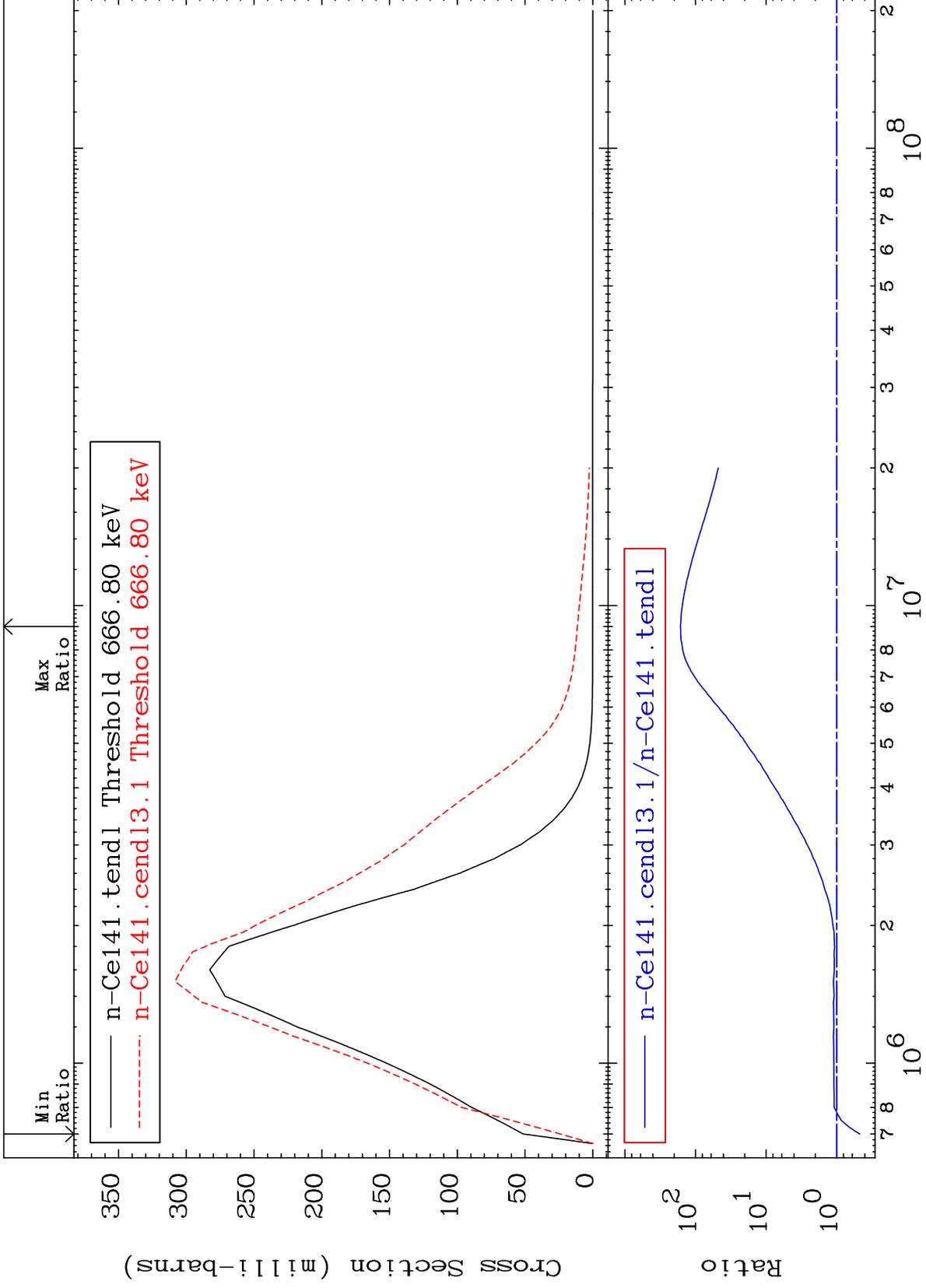
Incident Energy (eV)

58-Ce-141

MAT 5840

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

58-Ce-141
-53.04 To 9999. %



8

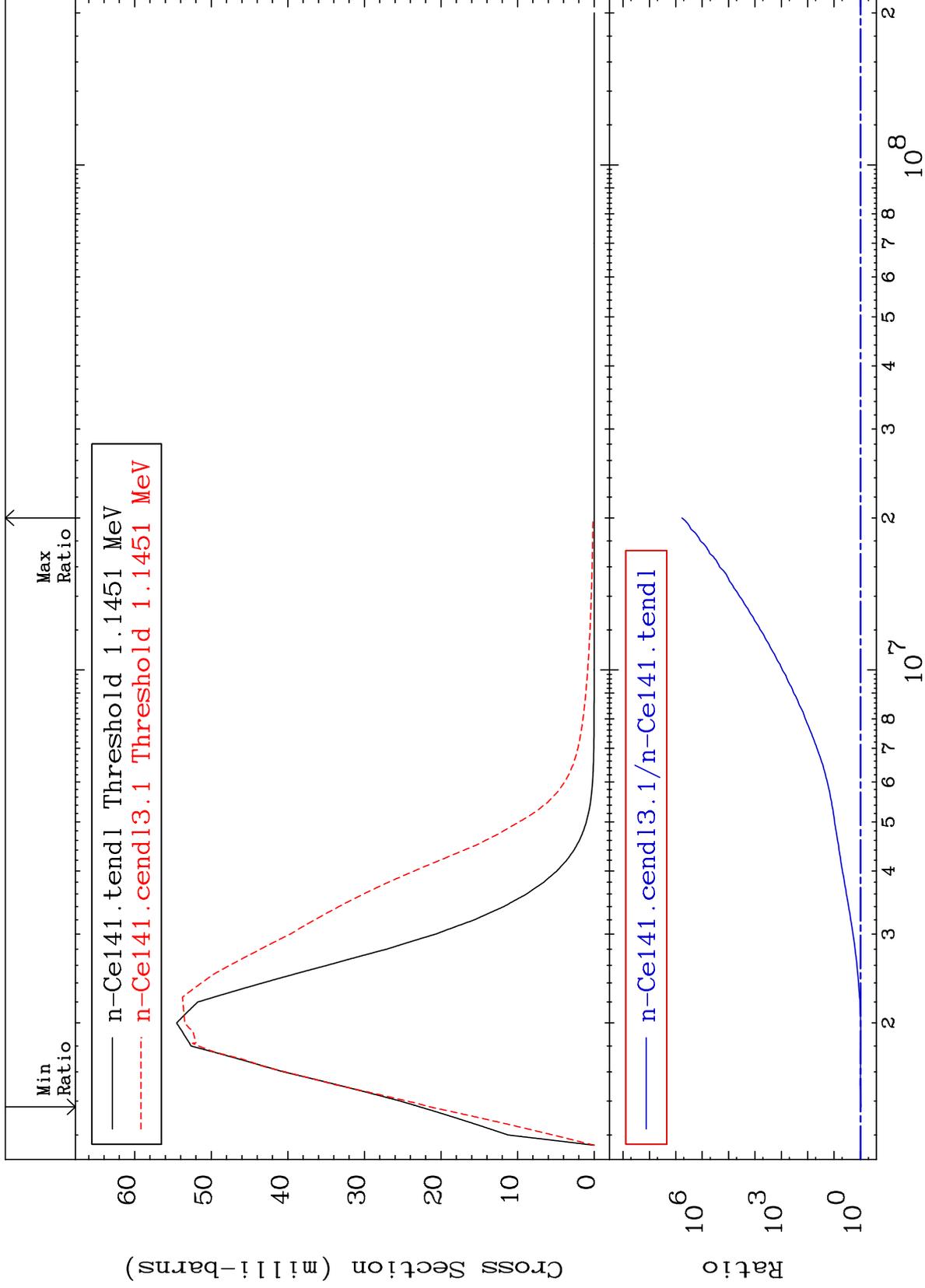
Incident Energy (eV)

58-Ce-141

MAT 5840

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

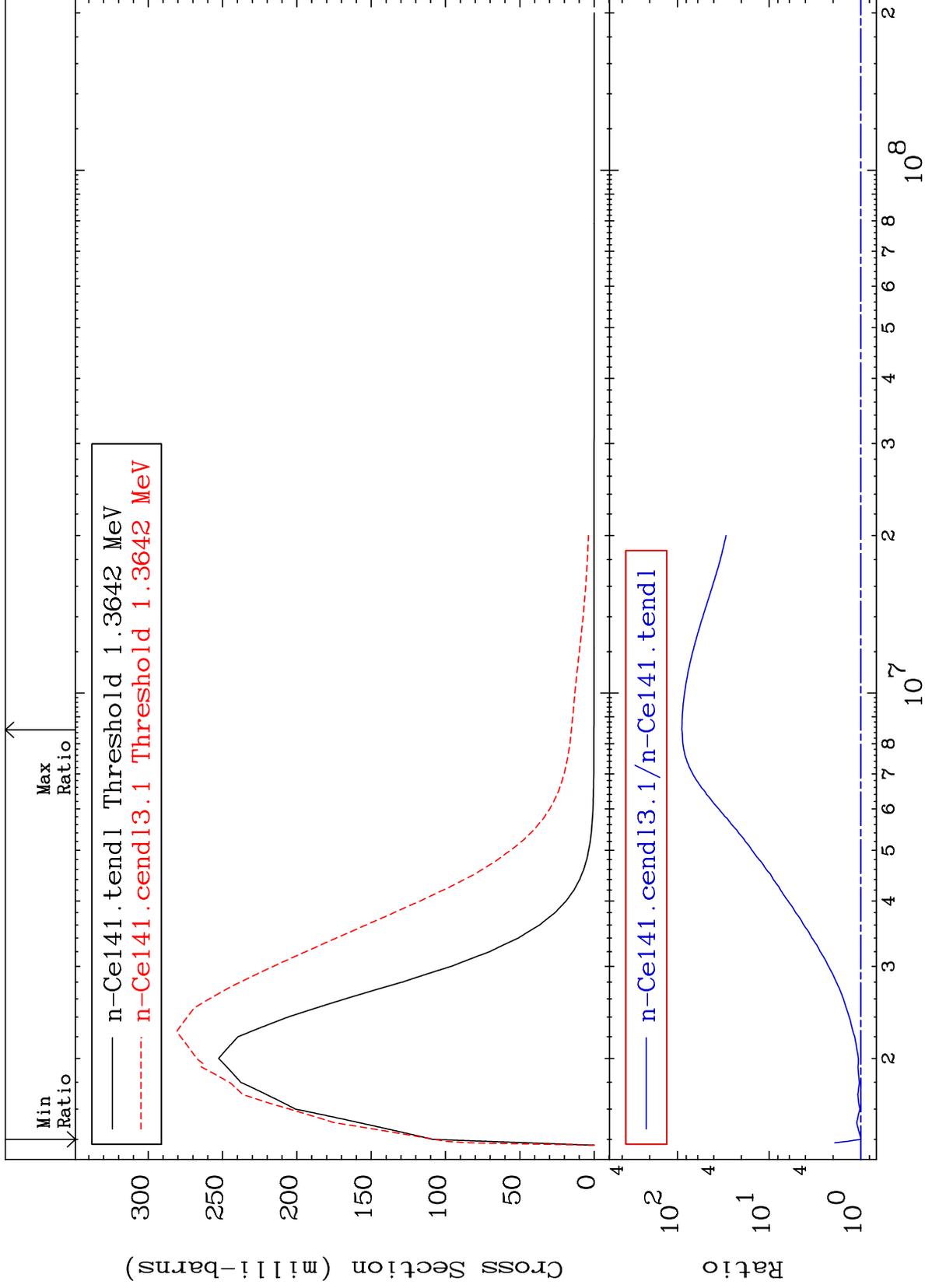
58-Ce-141
-5.617 To 9999. %



MAT 5840

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

58-Ce-141
-1.128 To 8825. %



10

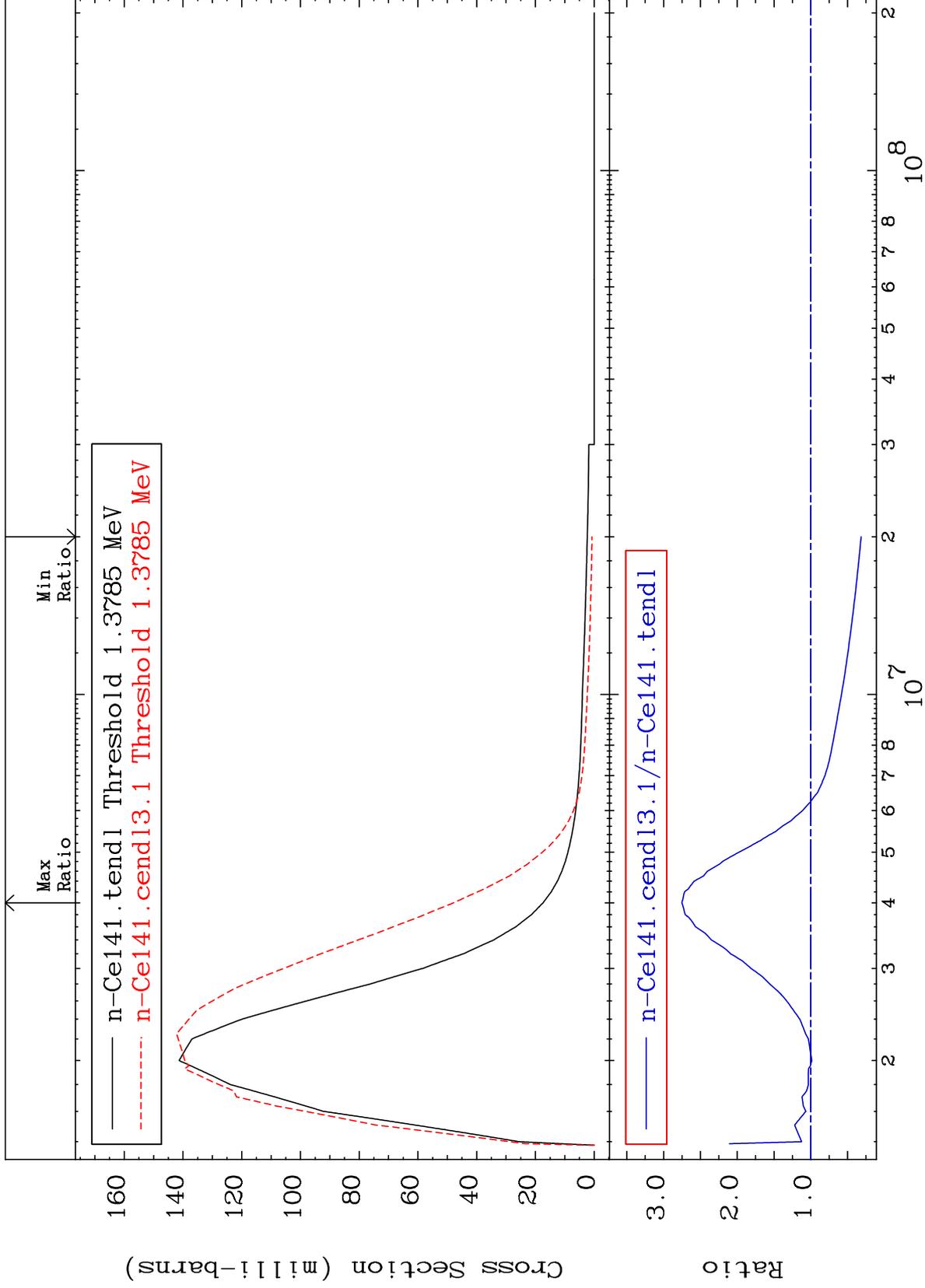
Incident Energy (eV)

58-Ce-141

MAT 5840

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

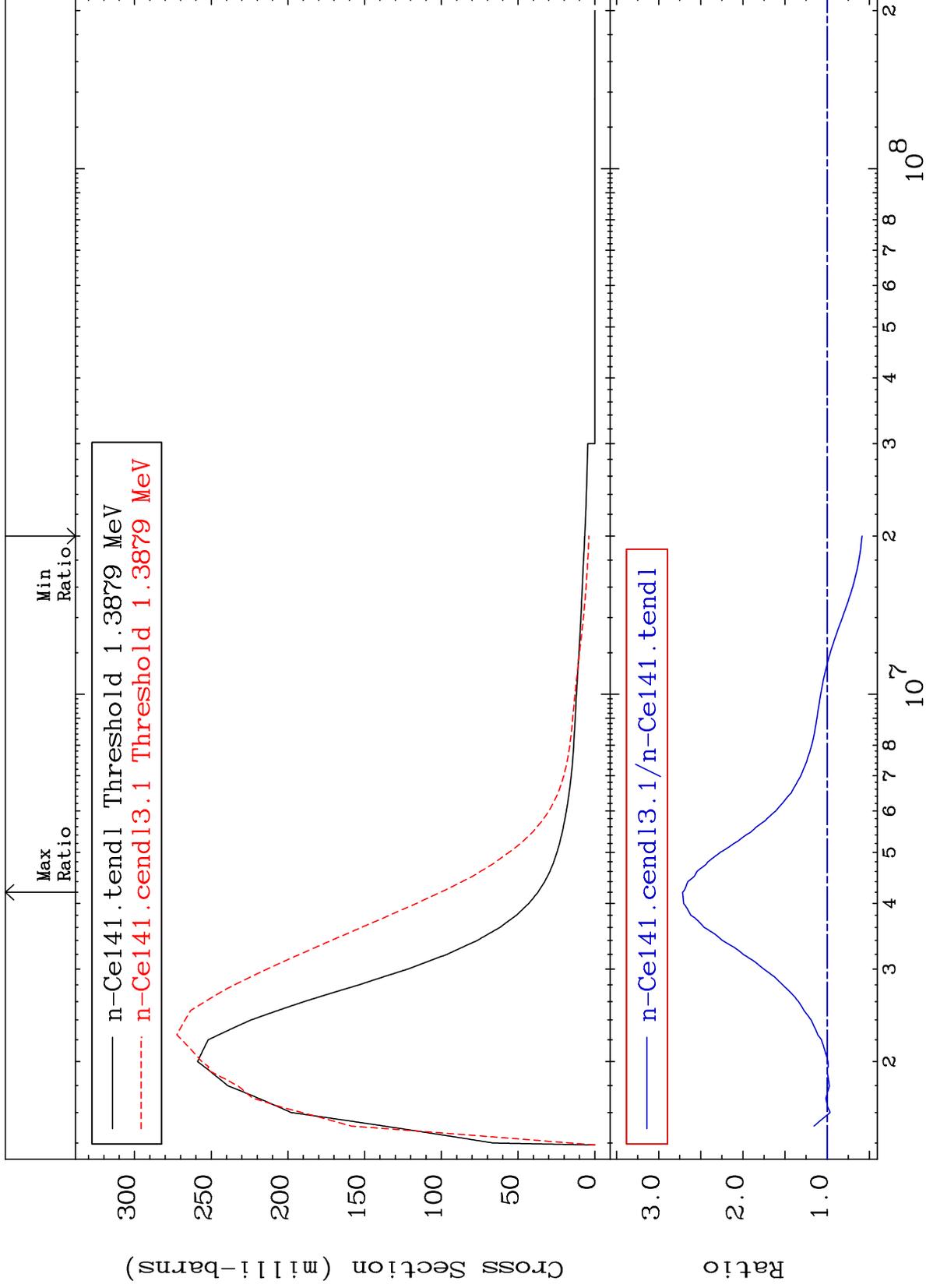
58-Ce-141
-68.39 To 175.1 %



MAT 5840

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

58-Ce-141
-41.38 To 171.6 %



12

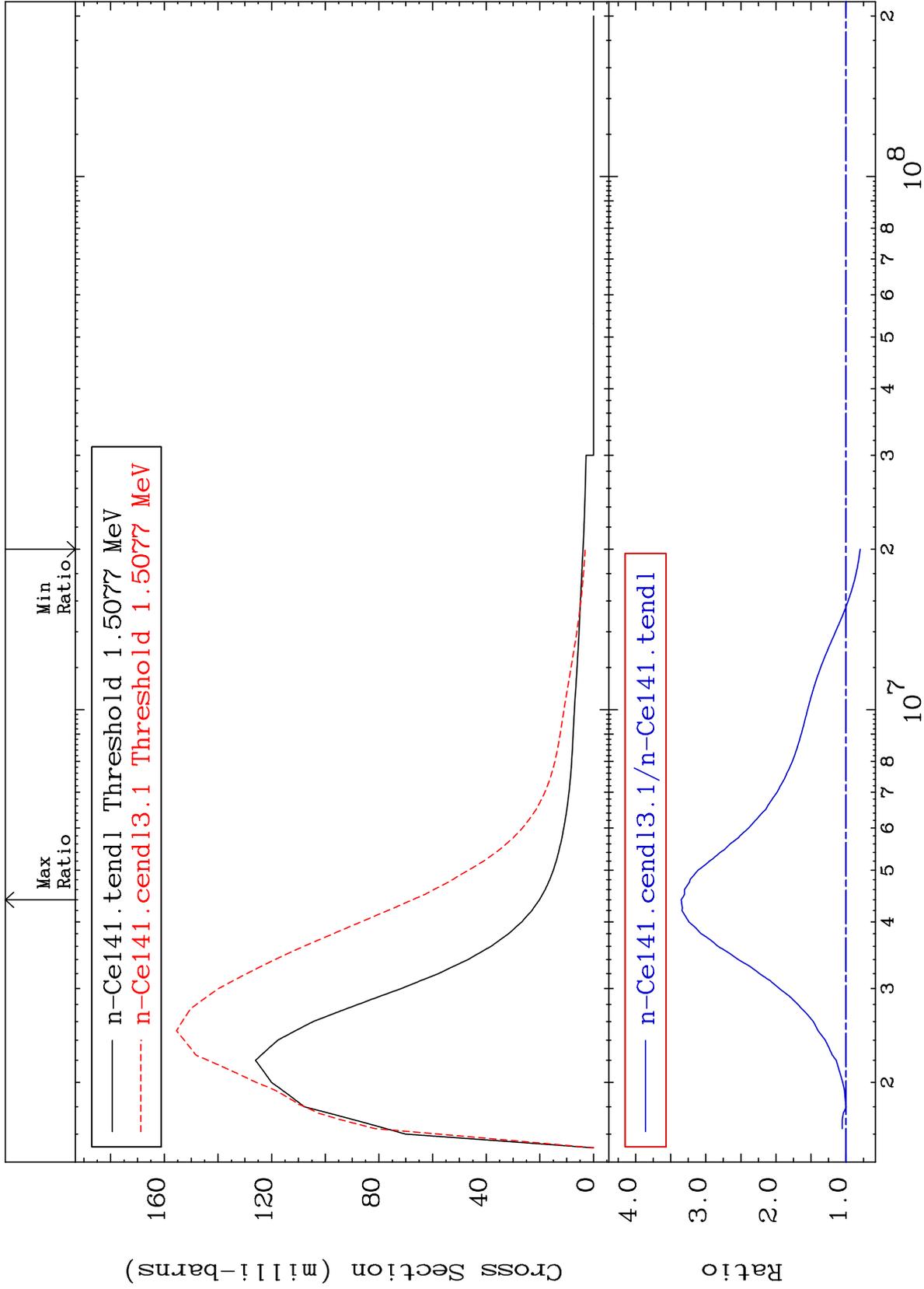
Incident Energy (eV)

58-Ce-141

MAT 5840

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

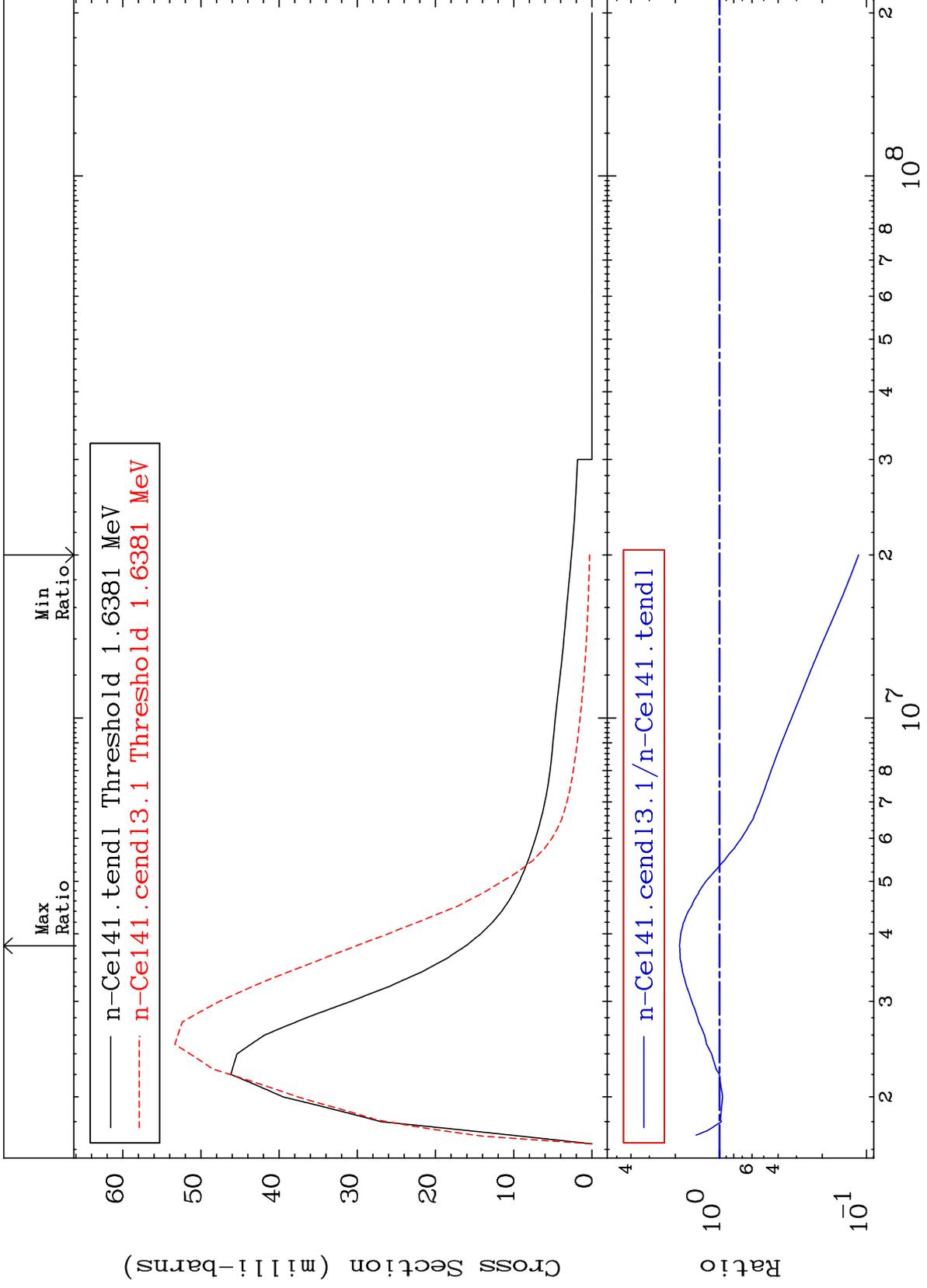
58-Ce-141
-20.13 To 235.1 %



MAT 5840

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

58-Ce-141
-88.67 To 86.96 %



14

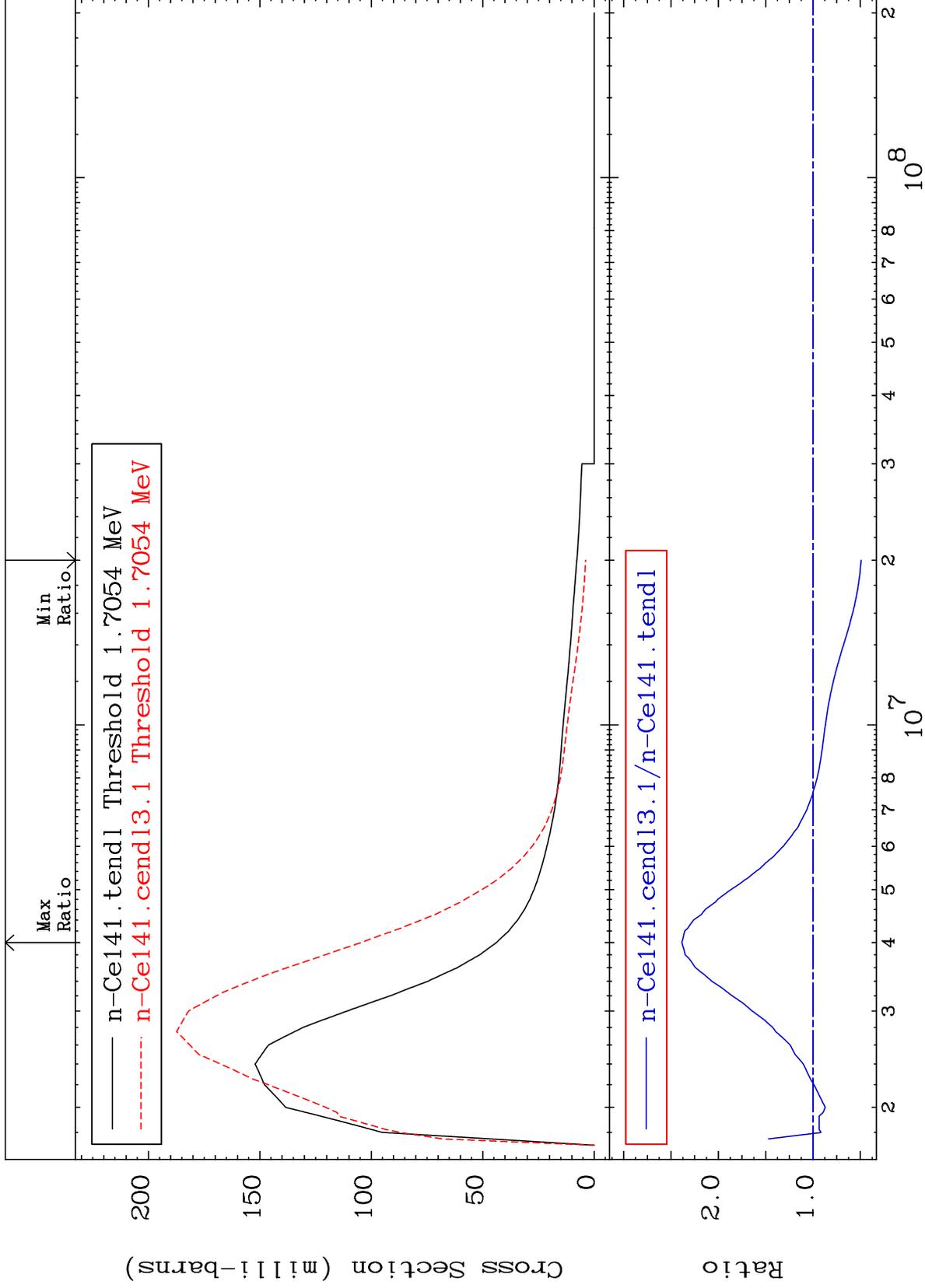
Incident Energy (eV)

58-Ce-141

MAT 5840

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

58-Ce-141
-50.84 To 138.5 %



15

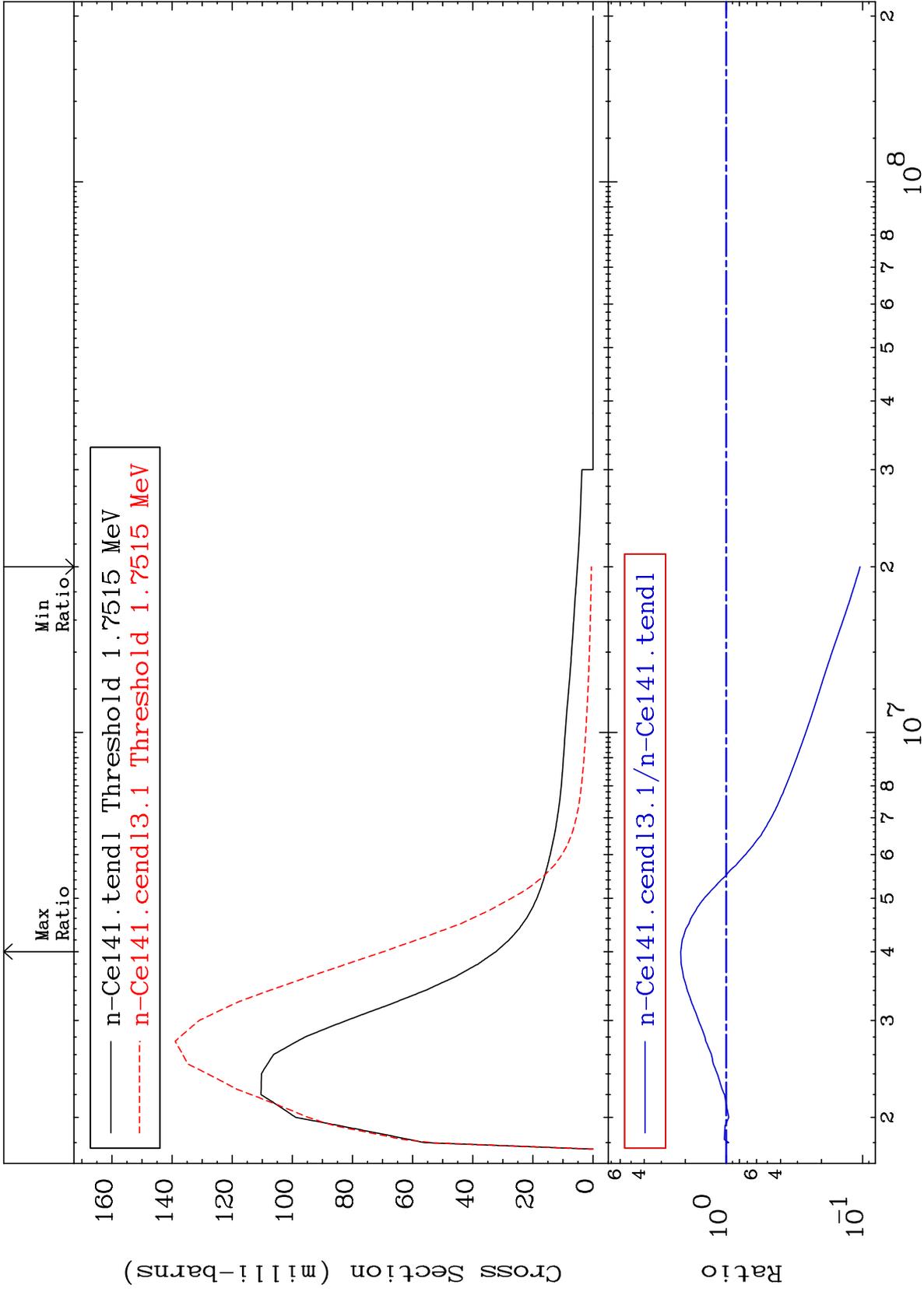
Incident Energy (eV)

58-Ce-141

MAT 5840

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

58-Ce-141
-89.57 To 115.7 %



16

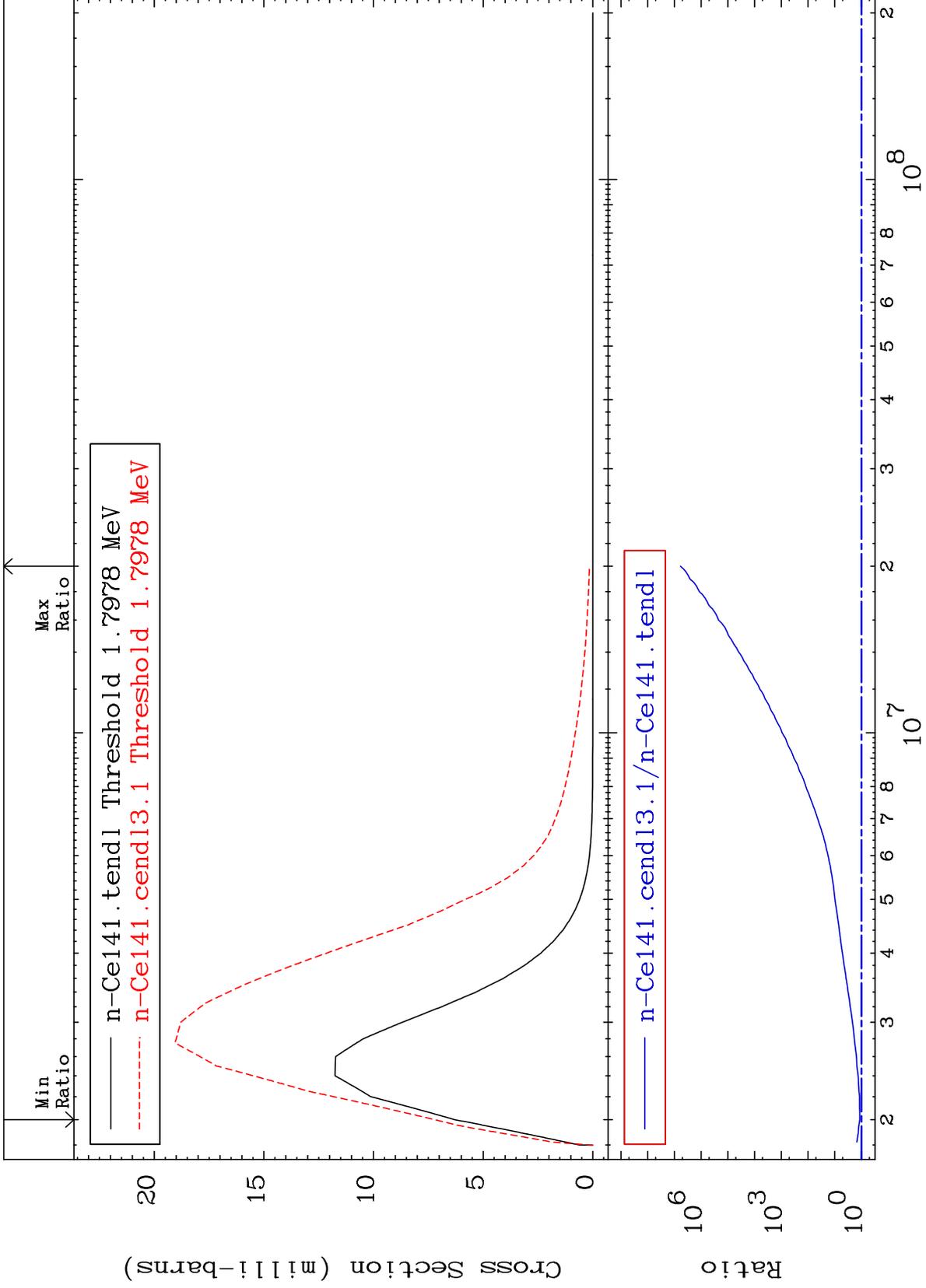
Incident Energy (eV)

58-Ce-141

MAT 5840

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

58-Ce-141
14.56 To 9999. %



17

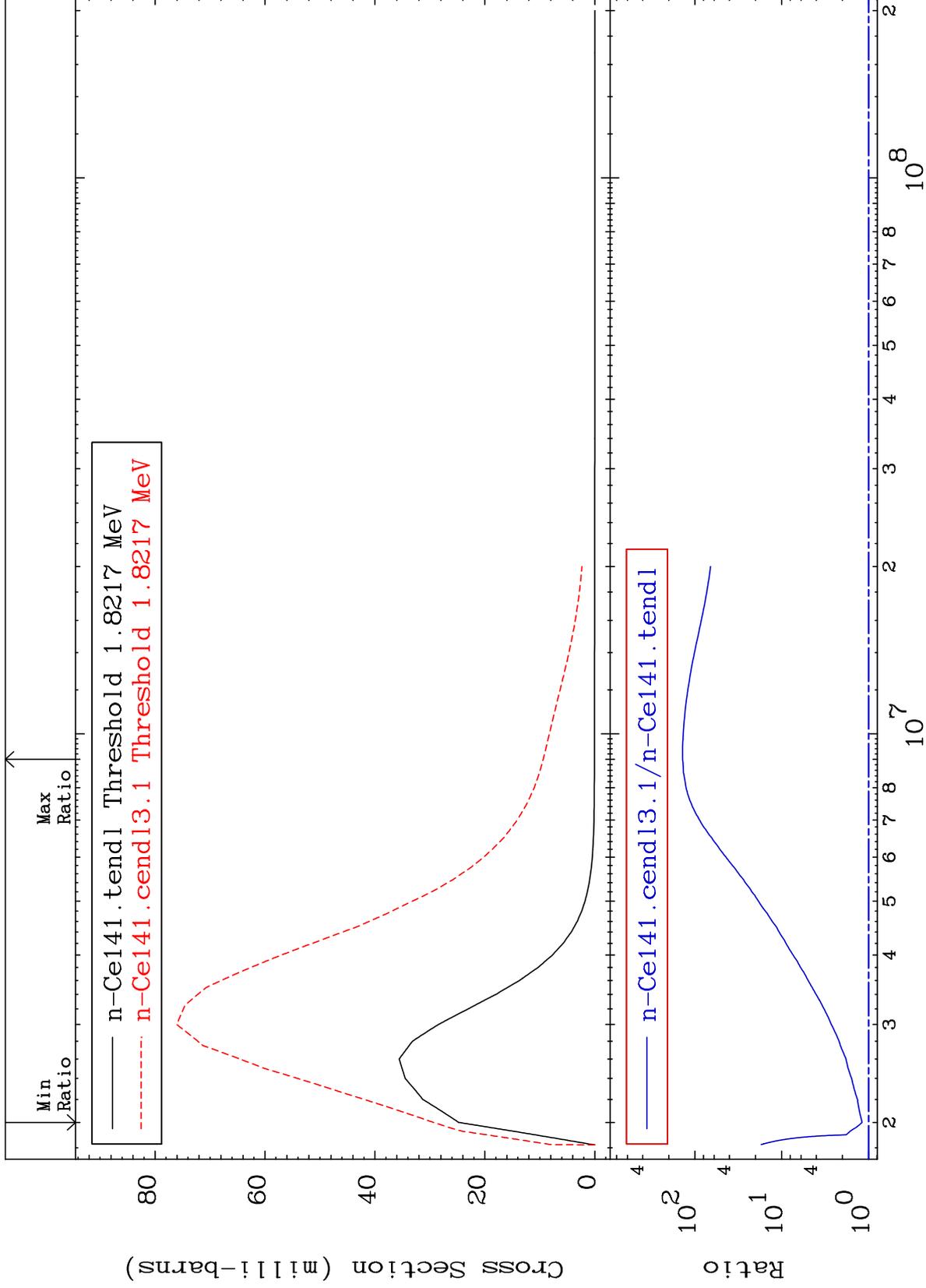
Incident Energy (eV)

58-Ce-141

MAT 5840

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

58-Ce-141
18.52 To 9999. %



18

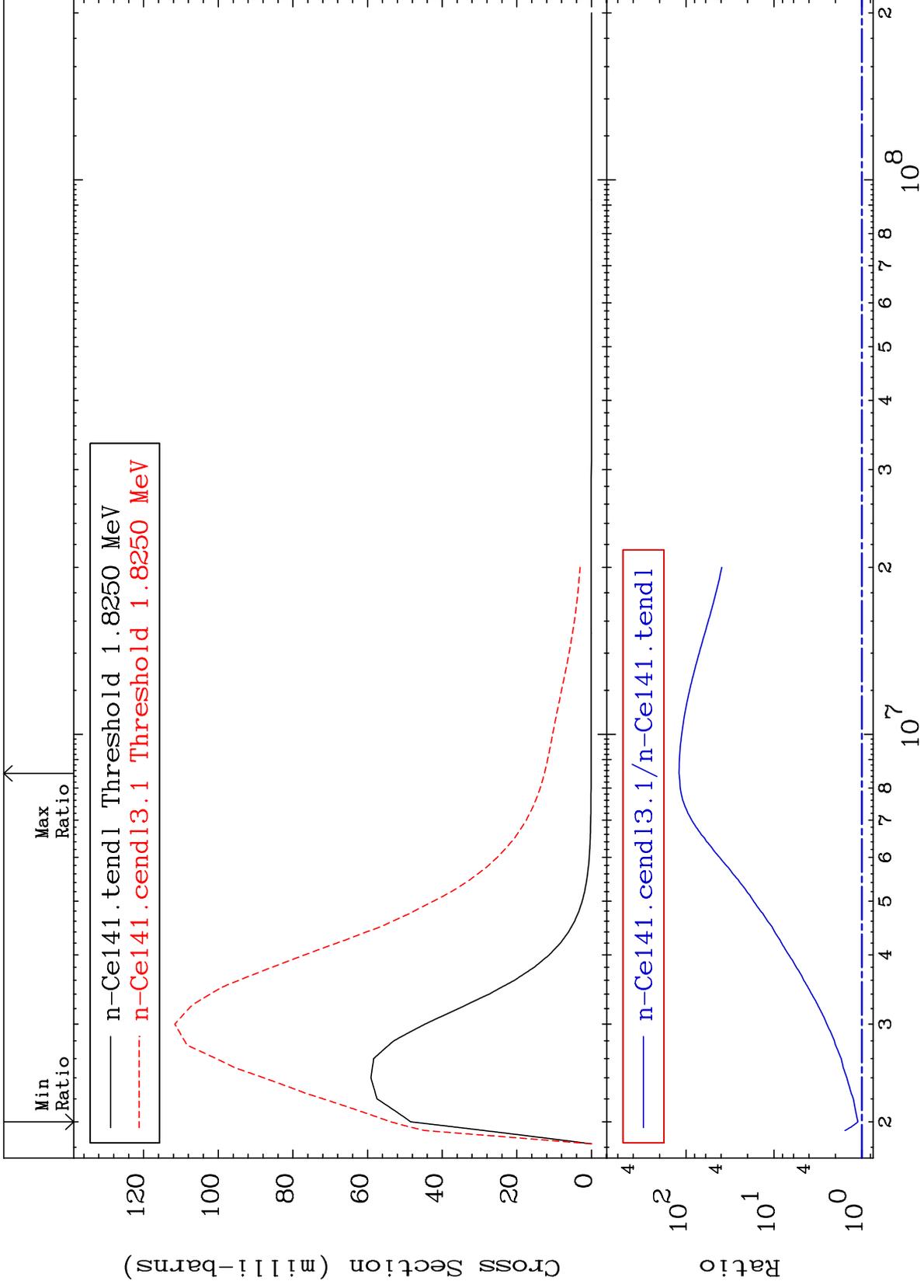
Incident Energy (eV)

58-Ce-141

MAT 5840

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

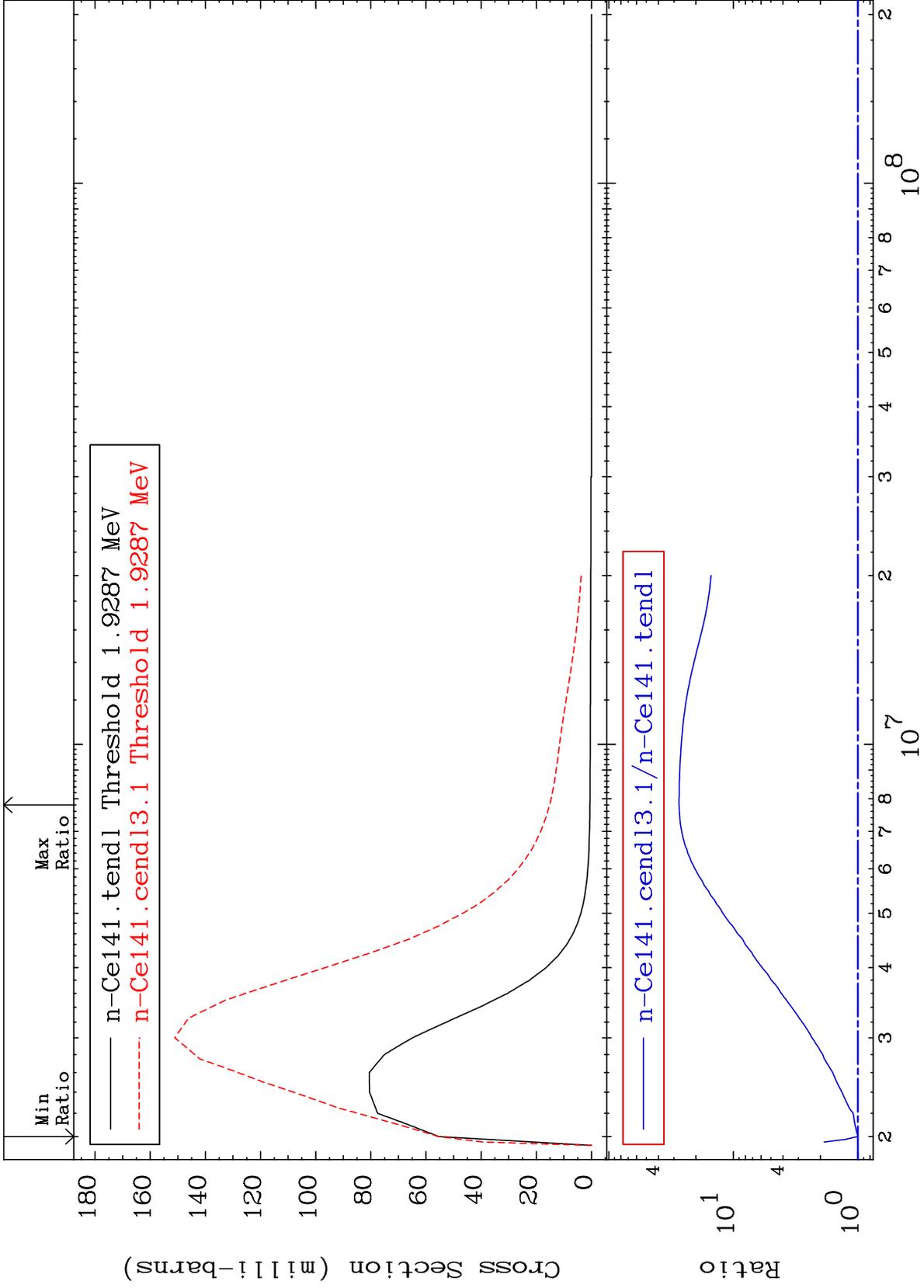
58-Ce-141
11.10 To 9999. %



MAT 5840

MT= 63 (n,n') Level
Cross Section

58-Ce-141
-0.097 To 2629. %



20

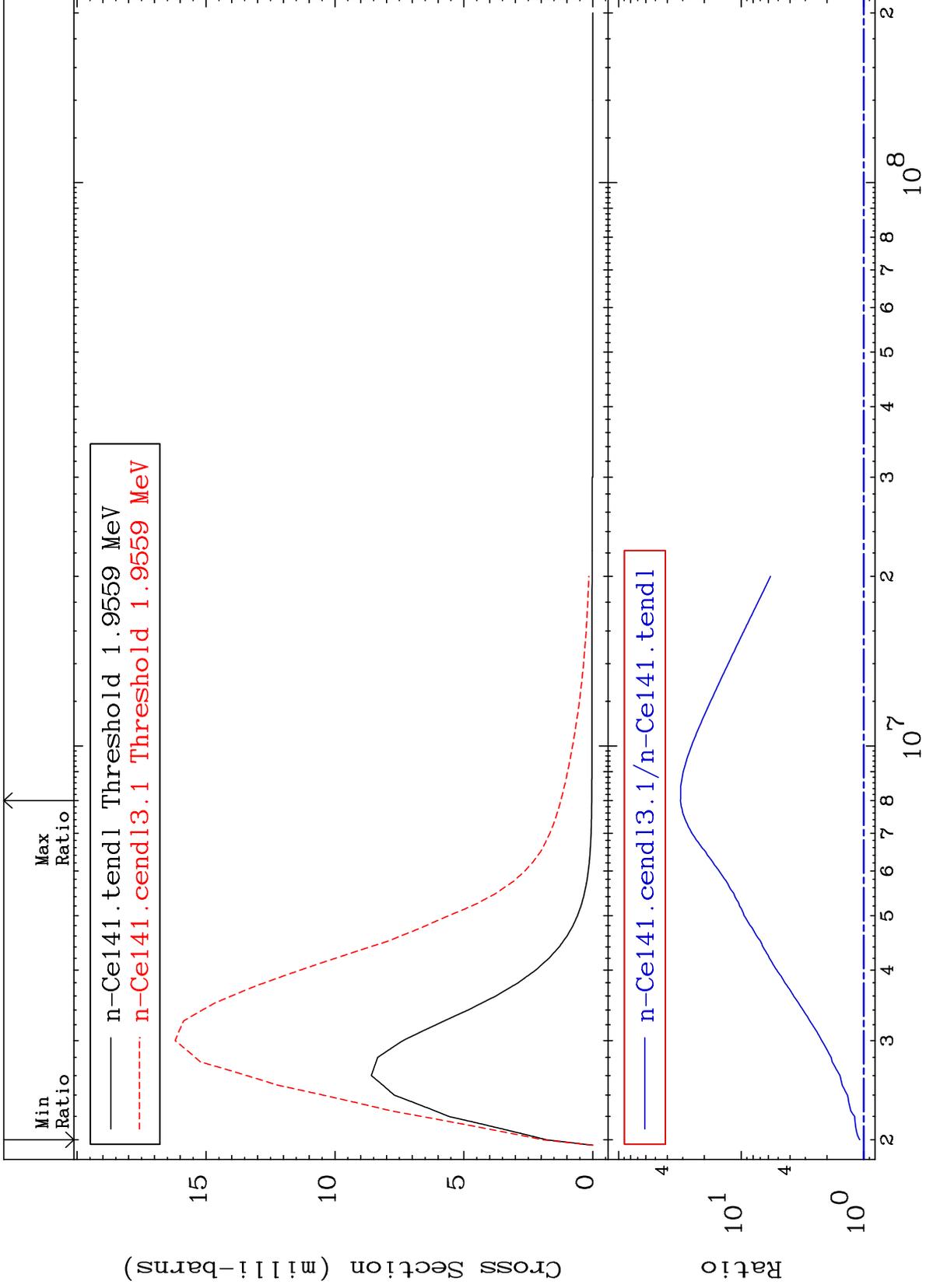
Incident Energy (eV)

58-Ce-141

MAT 5840

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

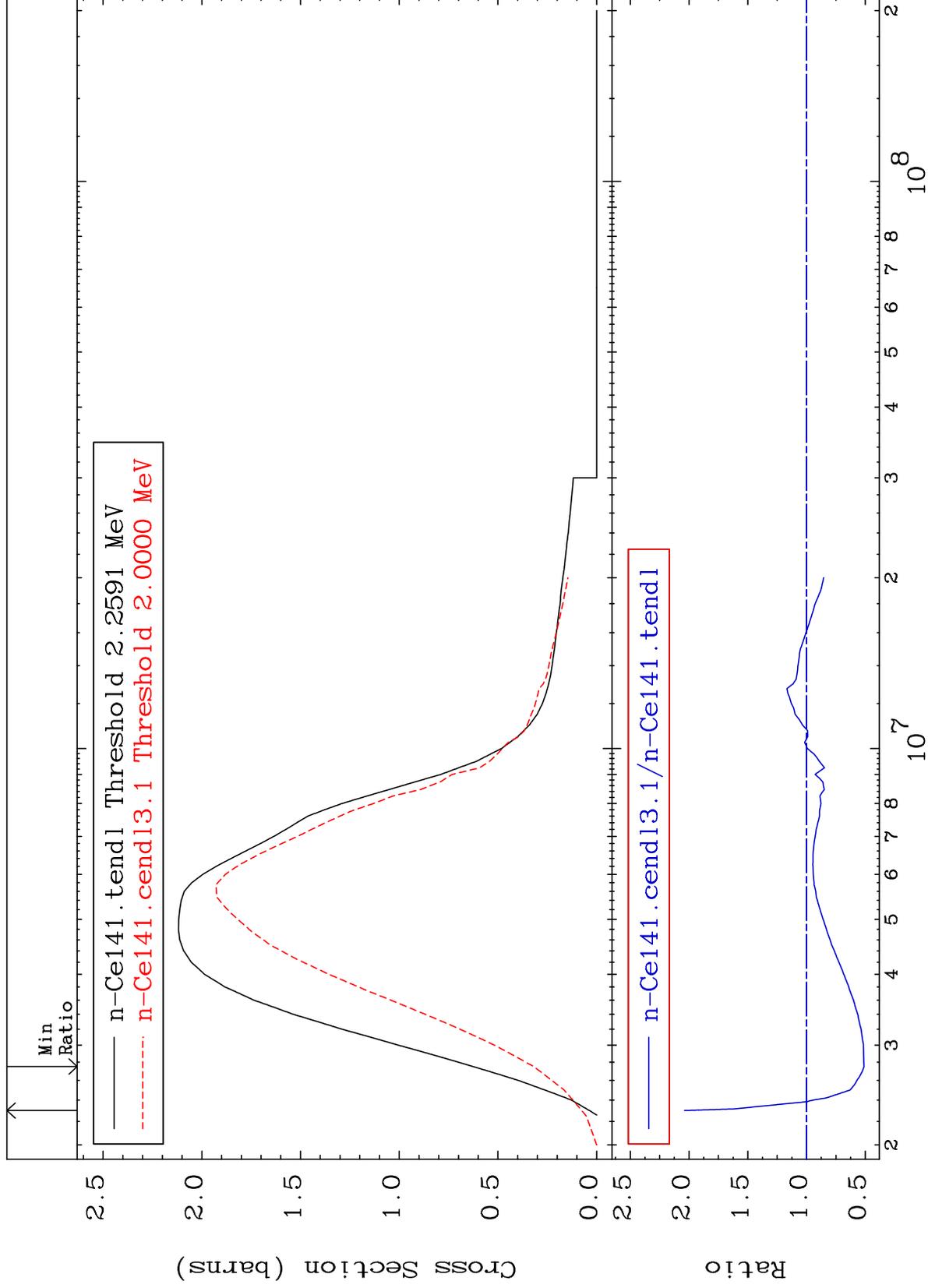
58-Ce-141
7.871 To 3026. %



MAT 5840

(n,n') Continuum
Cross Section

58-Ce-141
-48.89 To 103.8 %



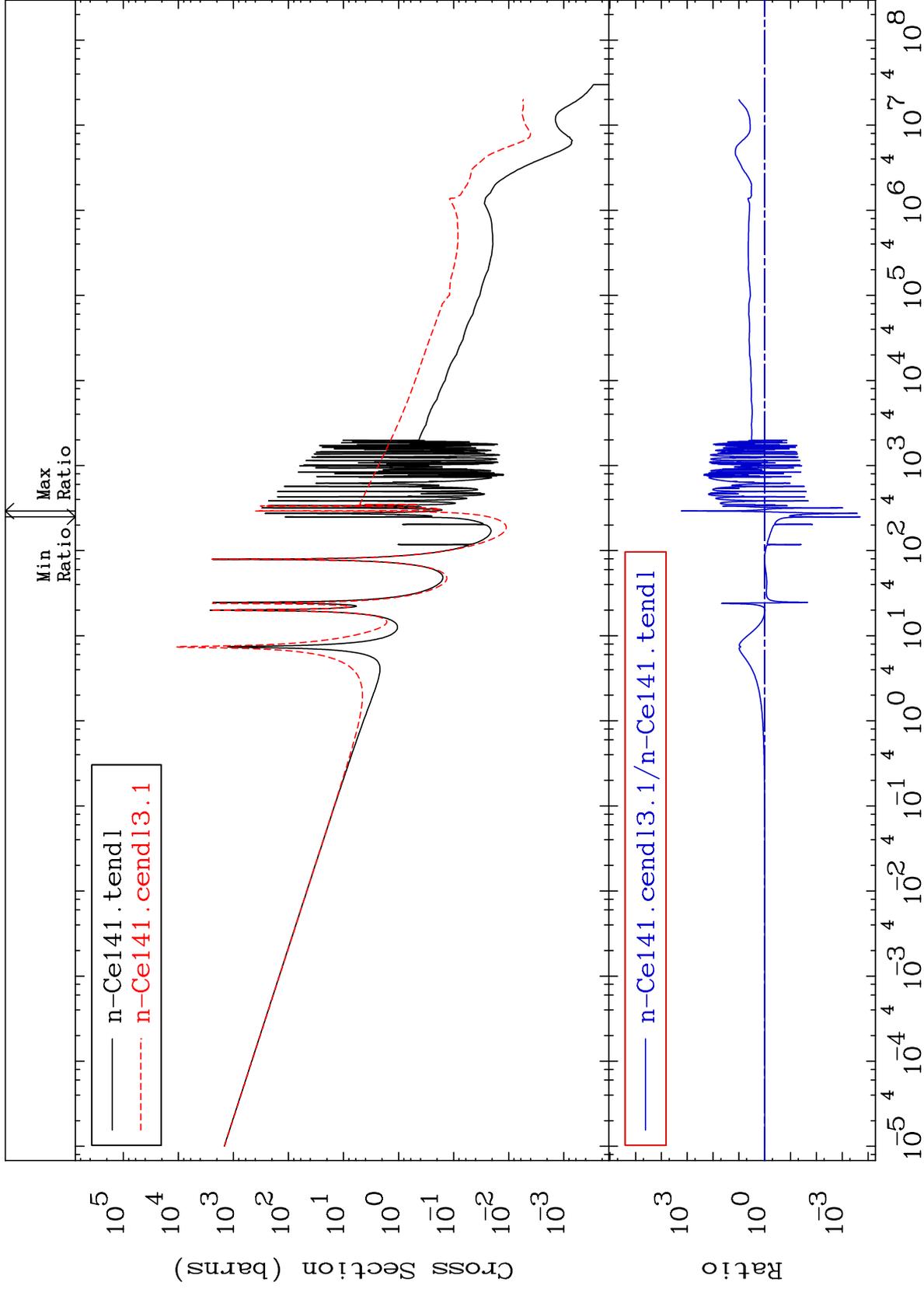
MAT 5840

58-Ce-141

-99.98 To 9999. %

(n, γ)

Cross Section



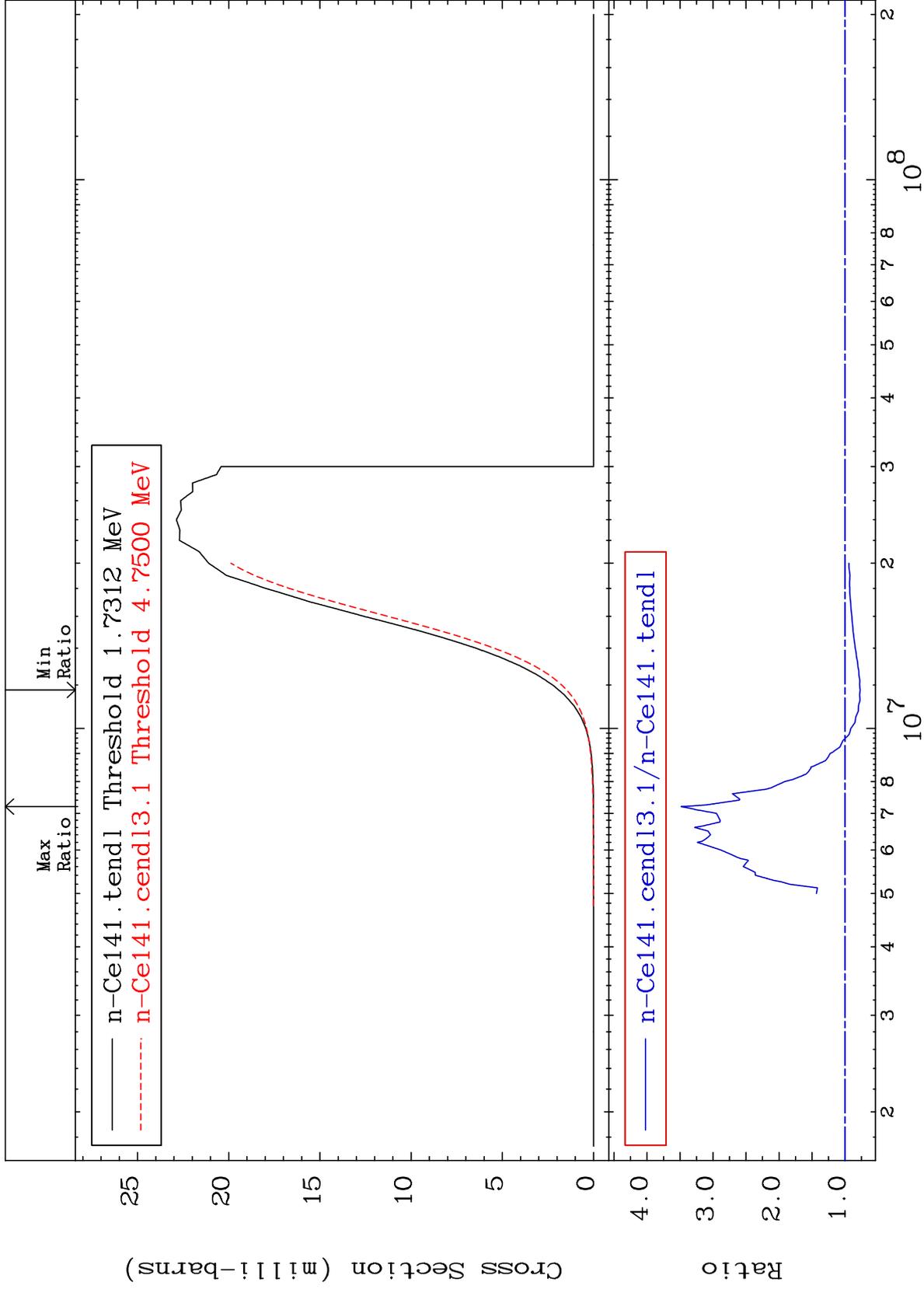
MAT 5840

(n,p)

58-Ce-141

Cross Section

-23.03 To 248.3 %



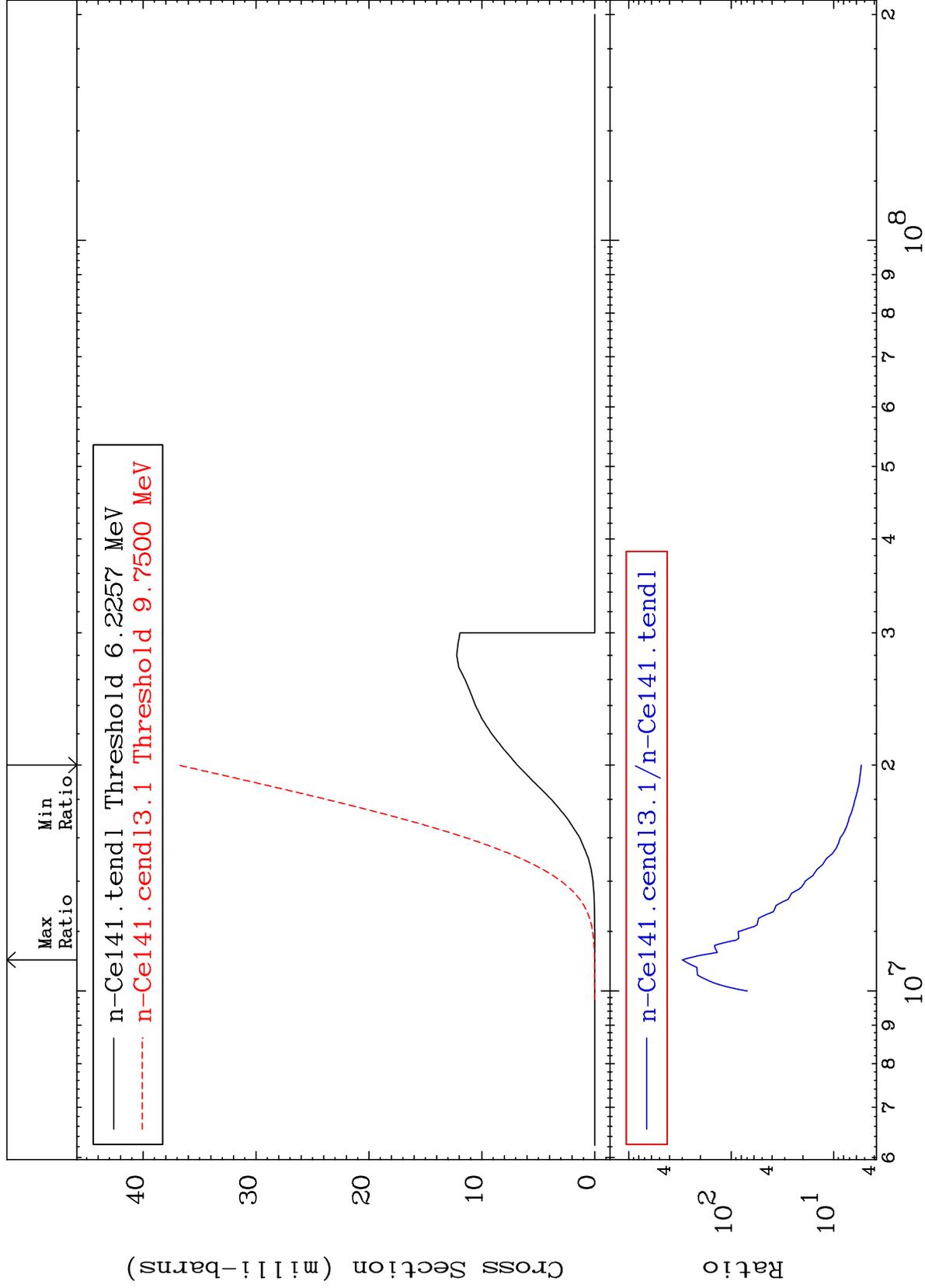
MAT 5840

(n, d)

58-Ce-141

Cross Section

437.8 To 9999. %



25

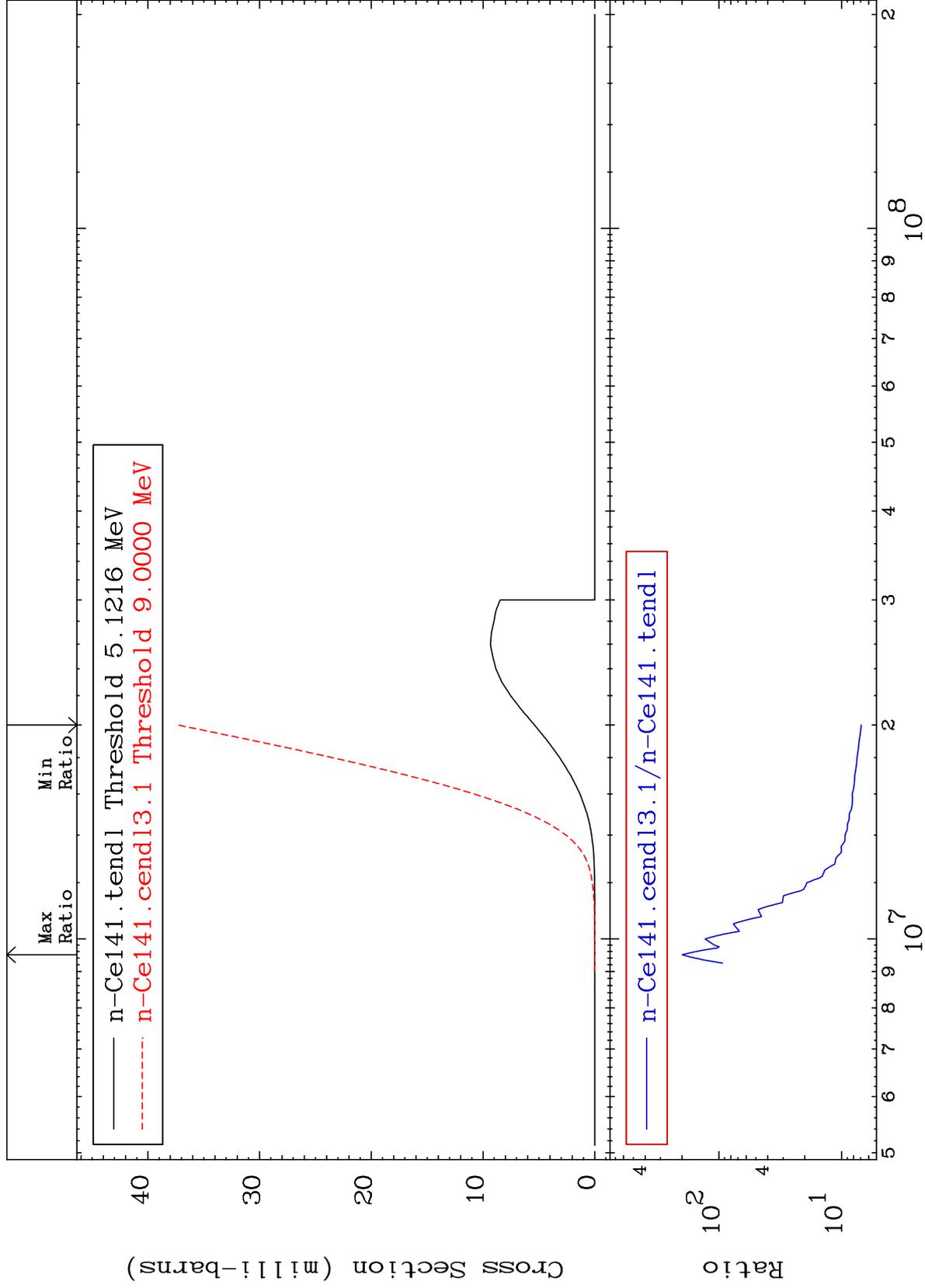
Incident Energy (eV)

58-Ce-141

MAT 5840

58-Ce-141

(n, t)
Cross Section
591.5 To 9999. %



26

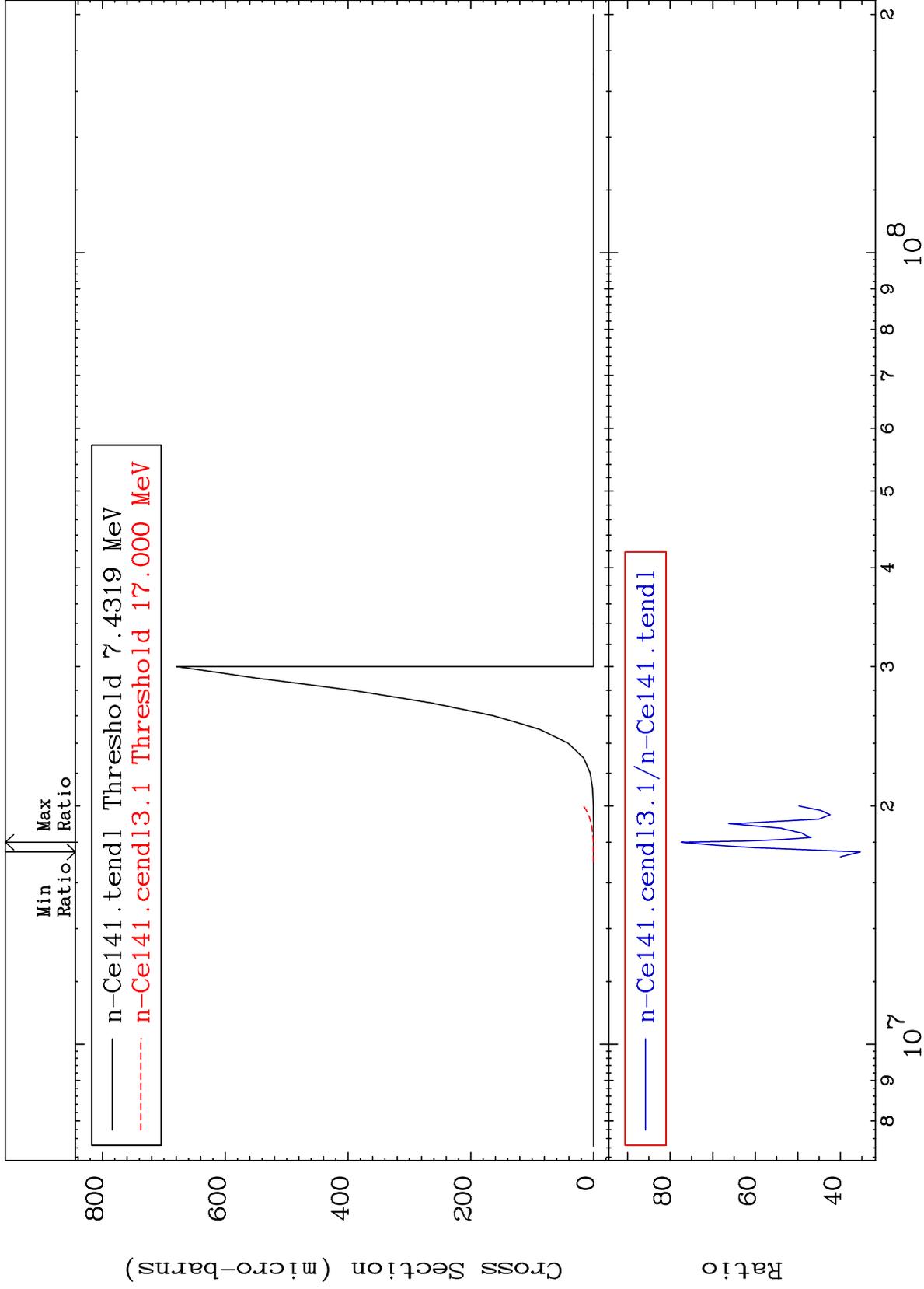
Incident Energy (eV)

58-Ce-141

MAT 5840

(n, He-3)
Cross Section

58-Ce-141
To 7641. %
3437.



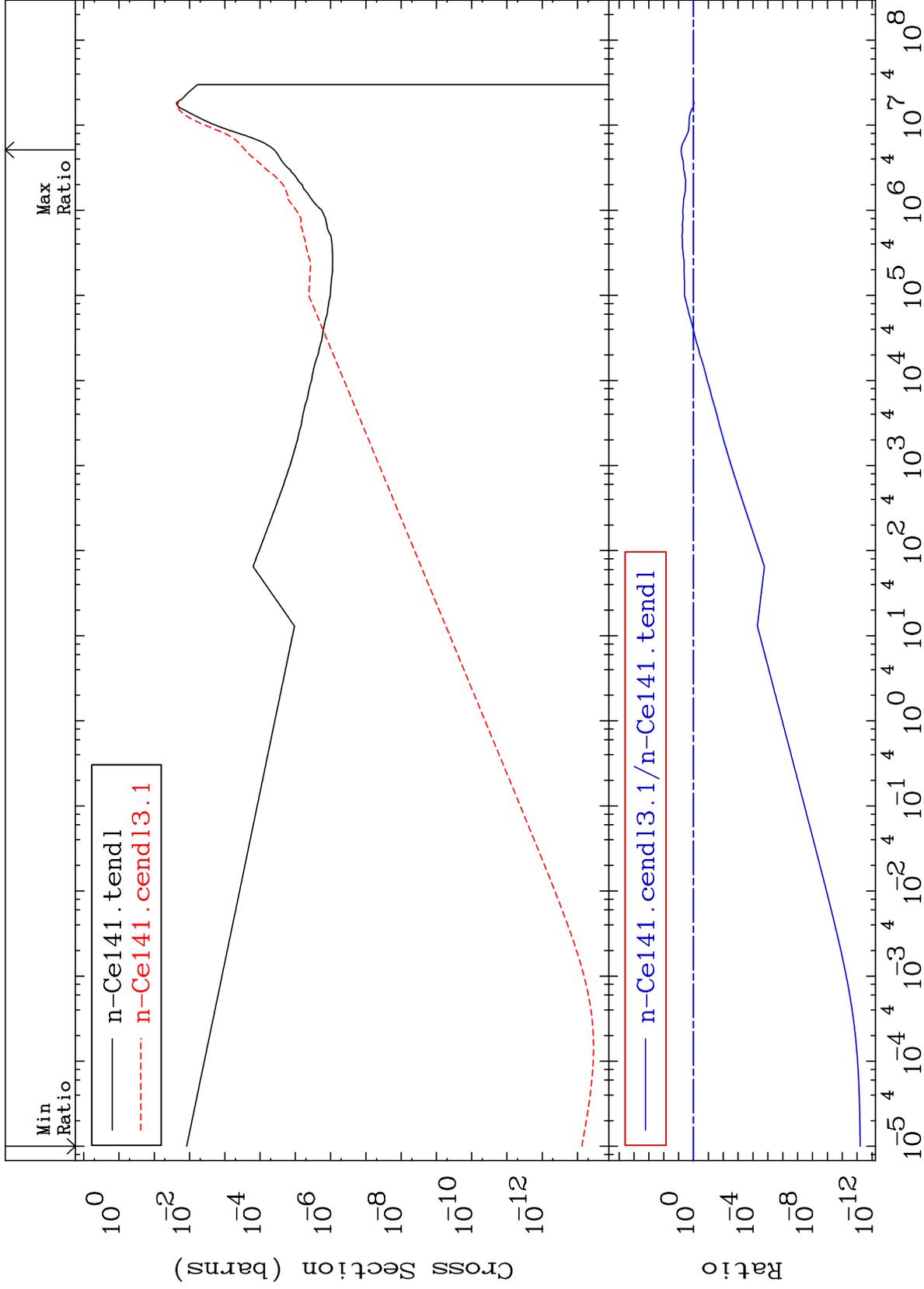
MAT 5840

(n, α)

58-Ce-141

Cross Section

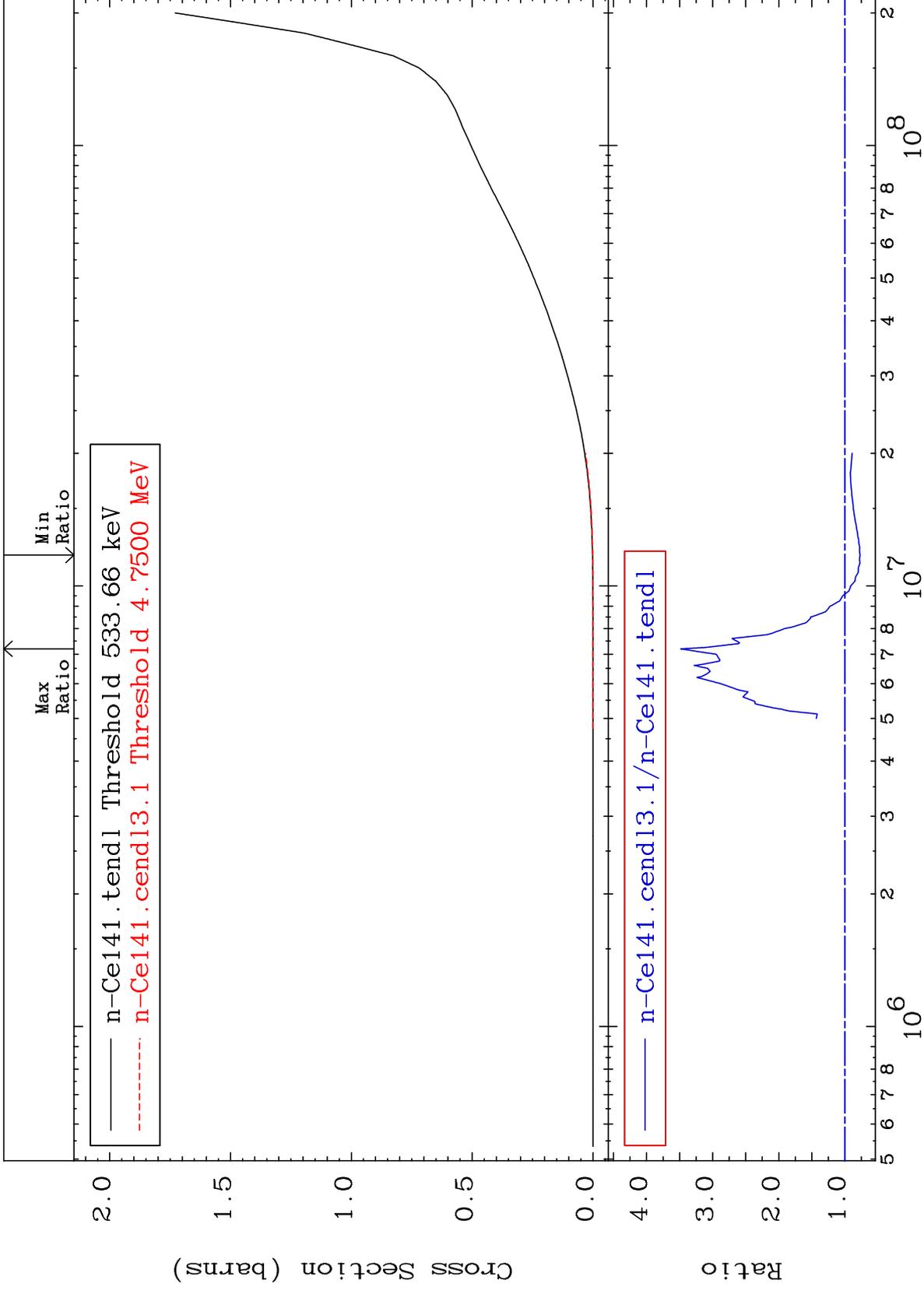
-100.0 To 574.5 %



MAT 5840

Hydrogen Production
Cross Section

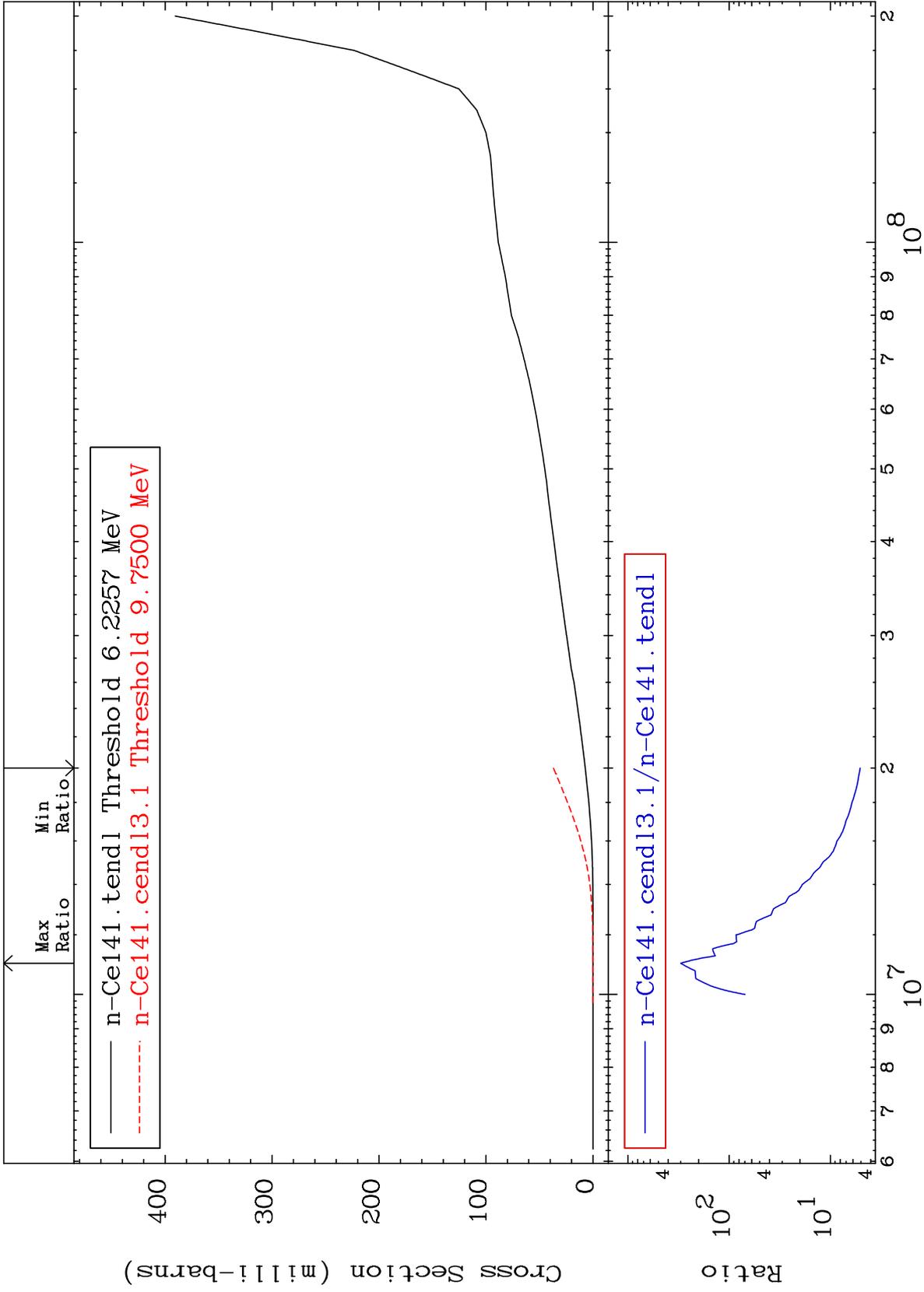
58-Ce-141
-23.04 To 248.3 %



MAT 5840

Deuterium Production
Cross Section

58-Ce-141
410.1 To 9999.1 %



30

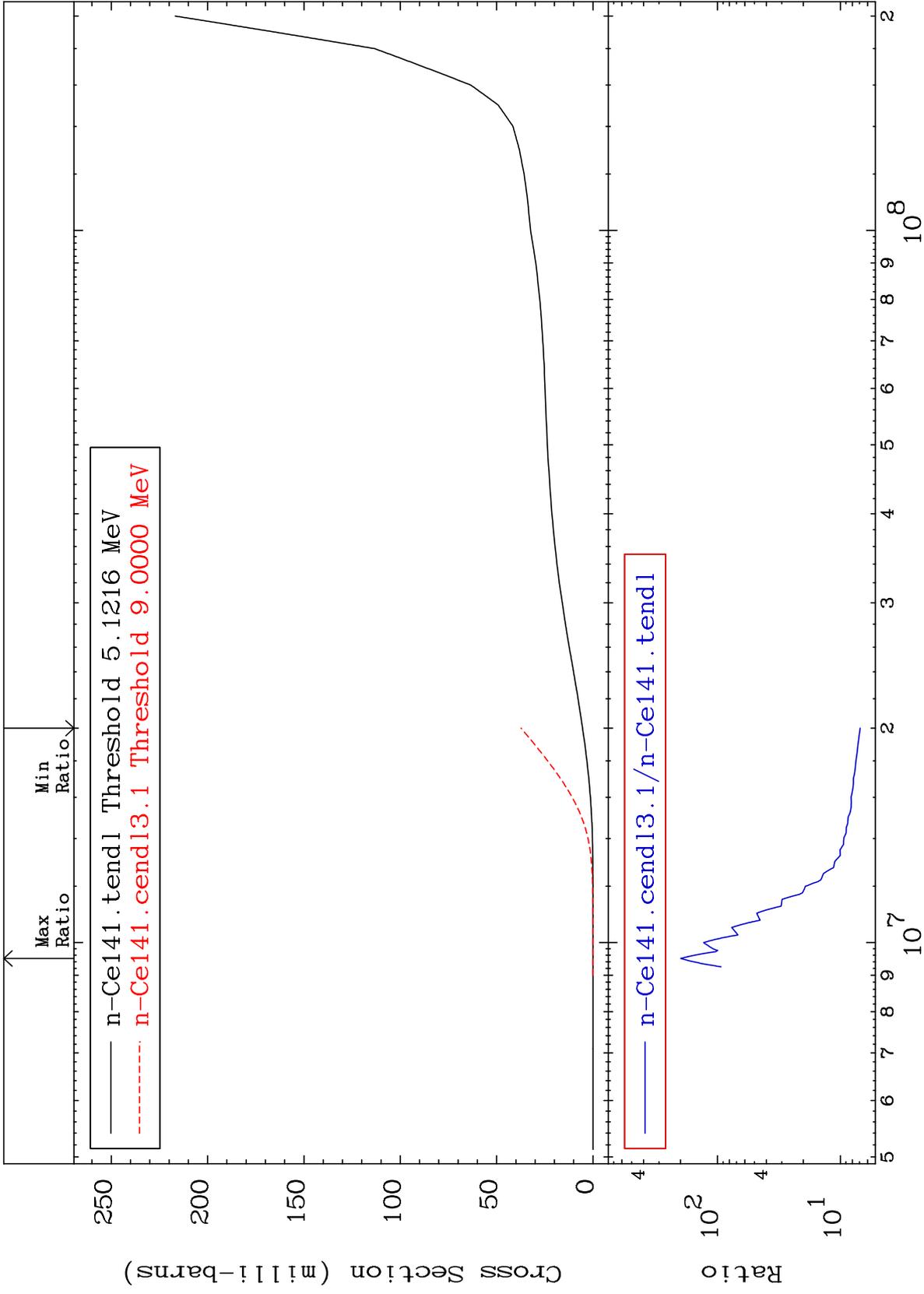
Incident Energy (eV)

58-Ce-141

MAT 5840

Tritium Production
Cross Section

58-Ce-141
590.9 To 9999. %



31

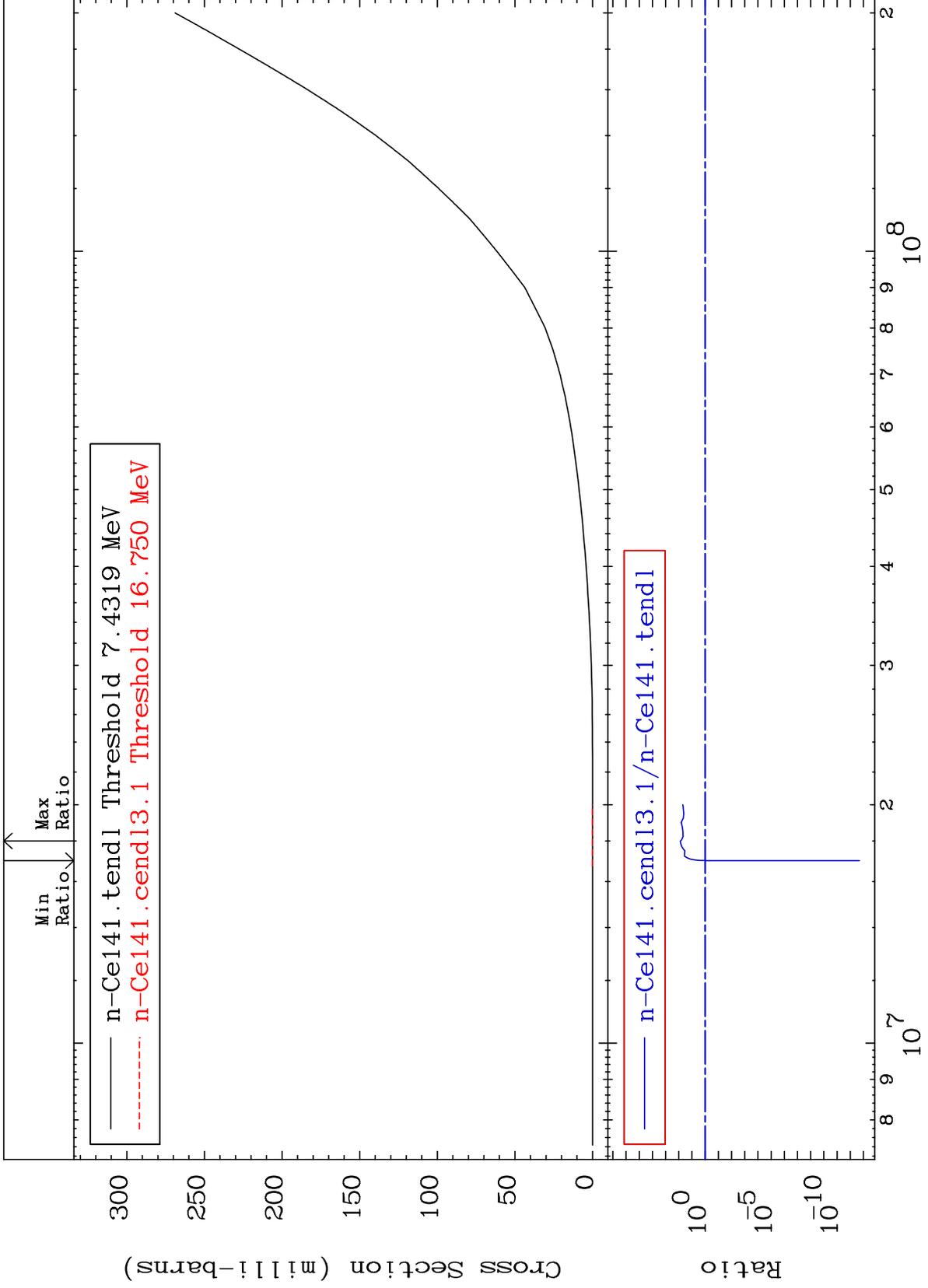
Incident Energy (eV)

58-Ce-141

MAT 5840

He-3 Production
Cross Section

58-Ce-141
-100.0 To 7641. %

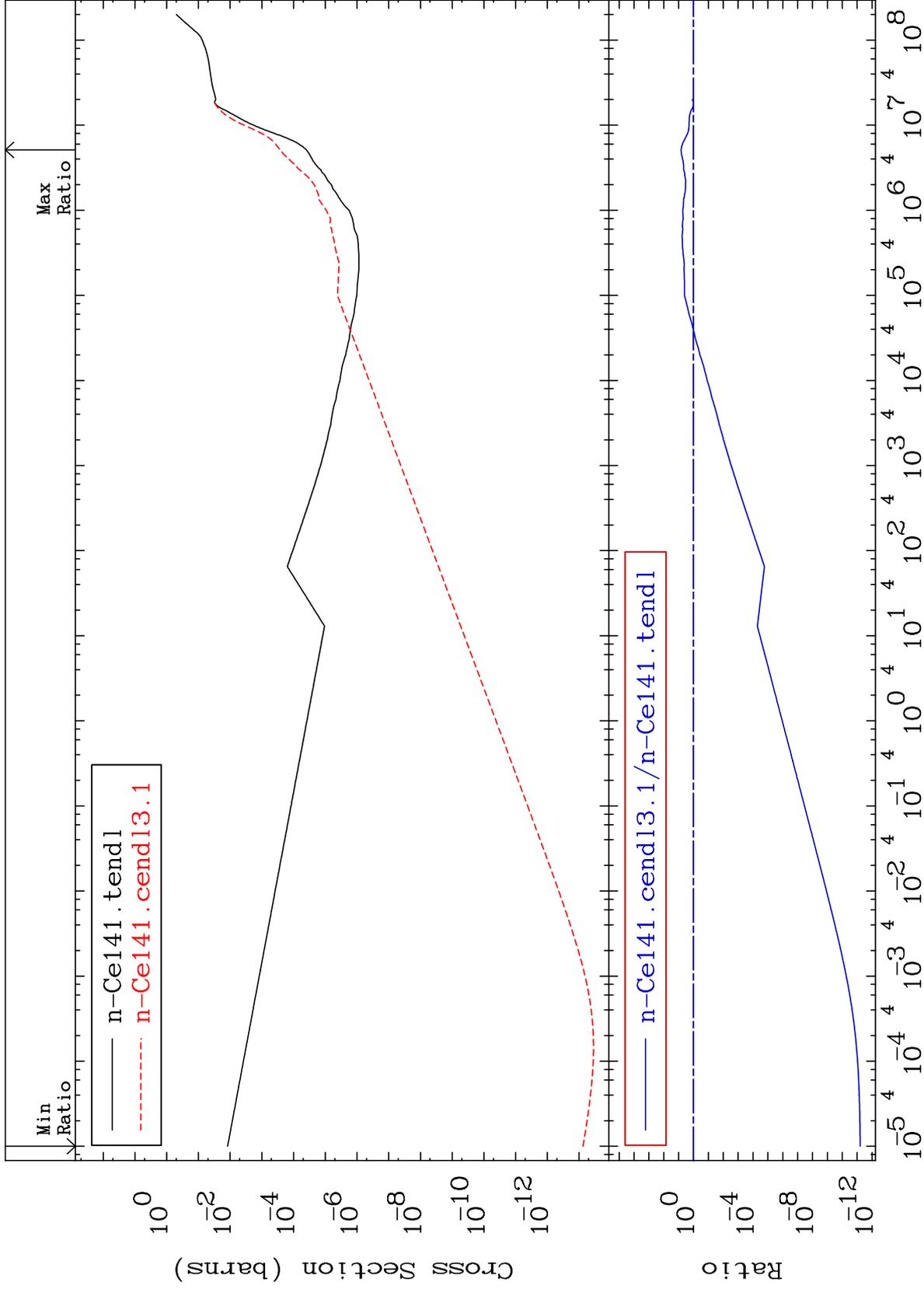


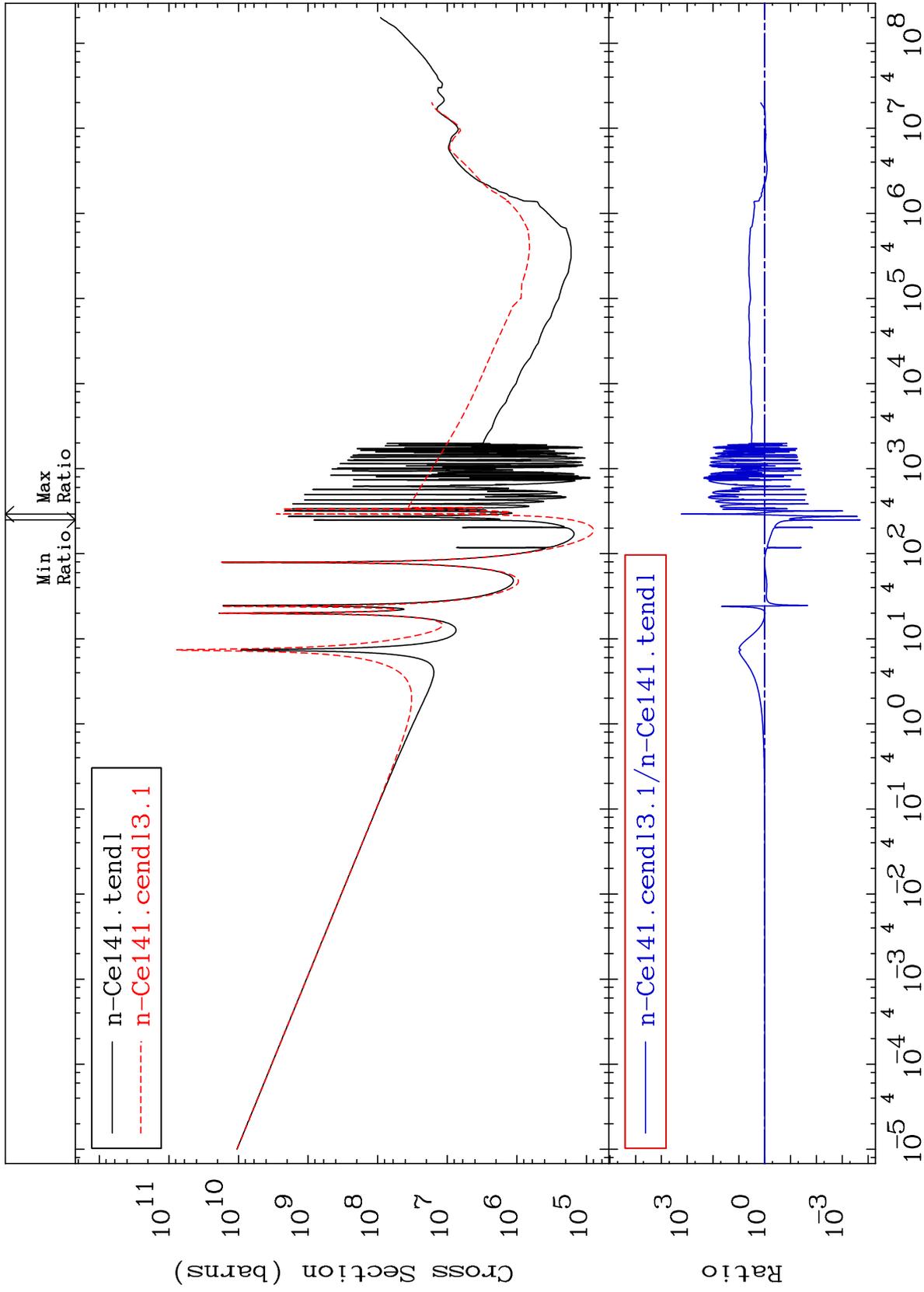
32

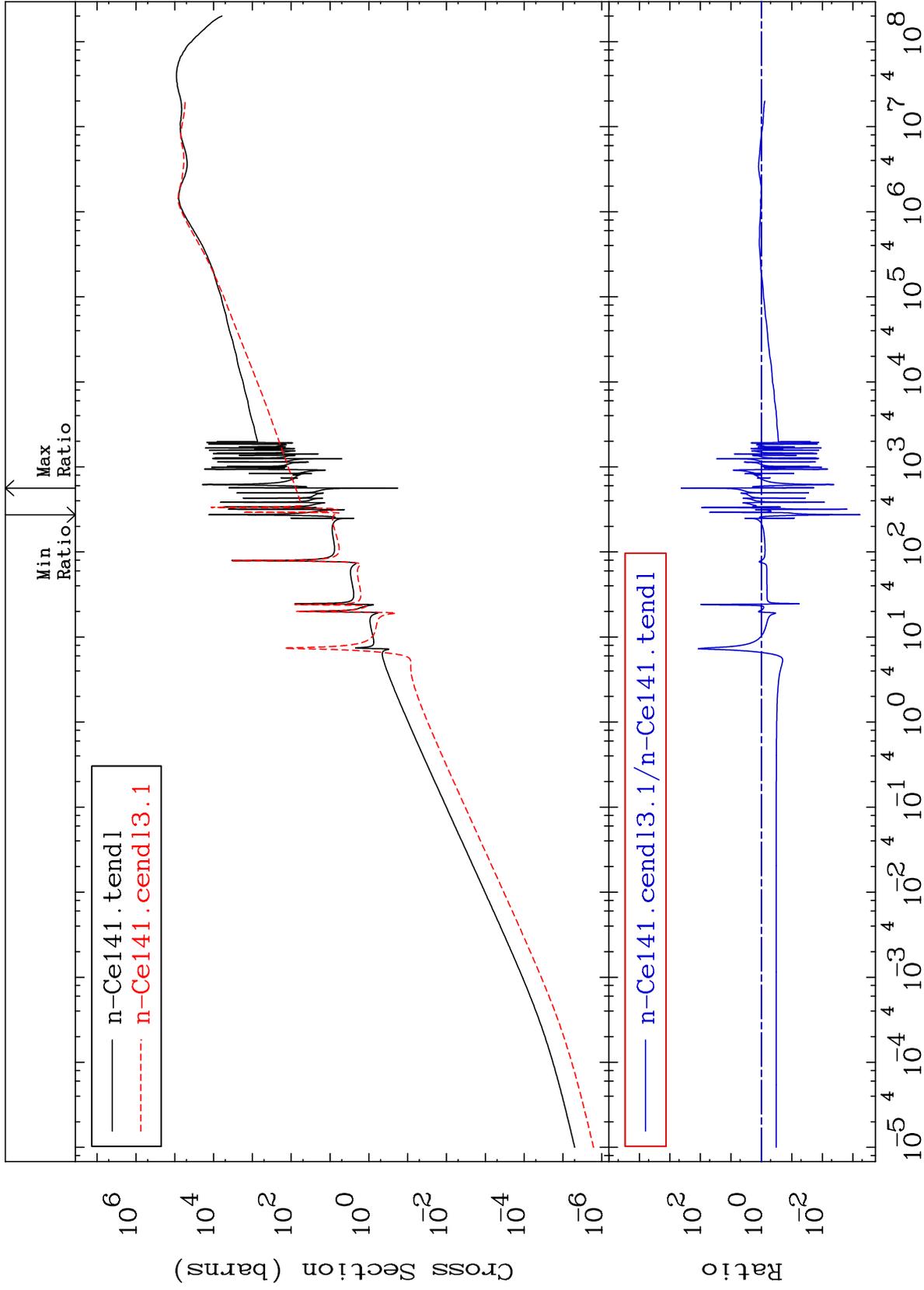
Incident Energy (eV)

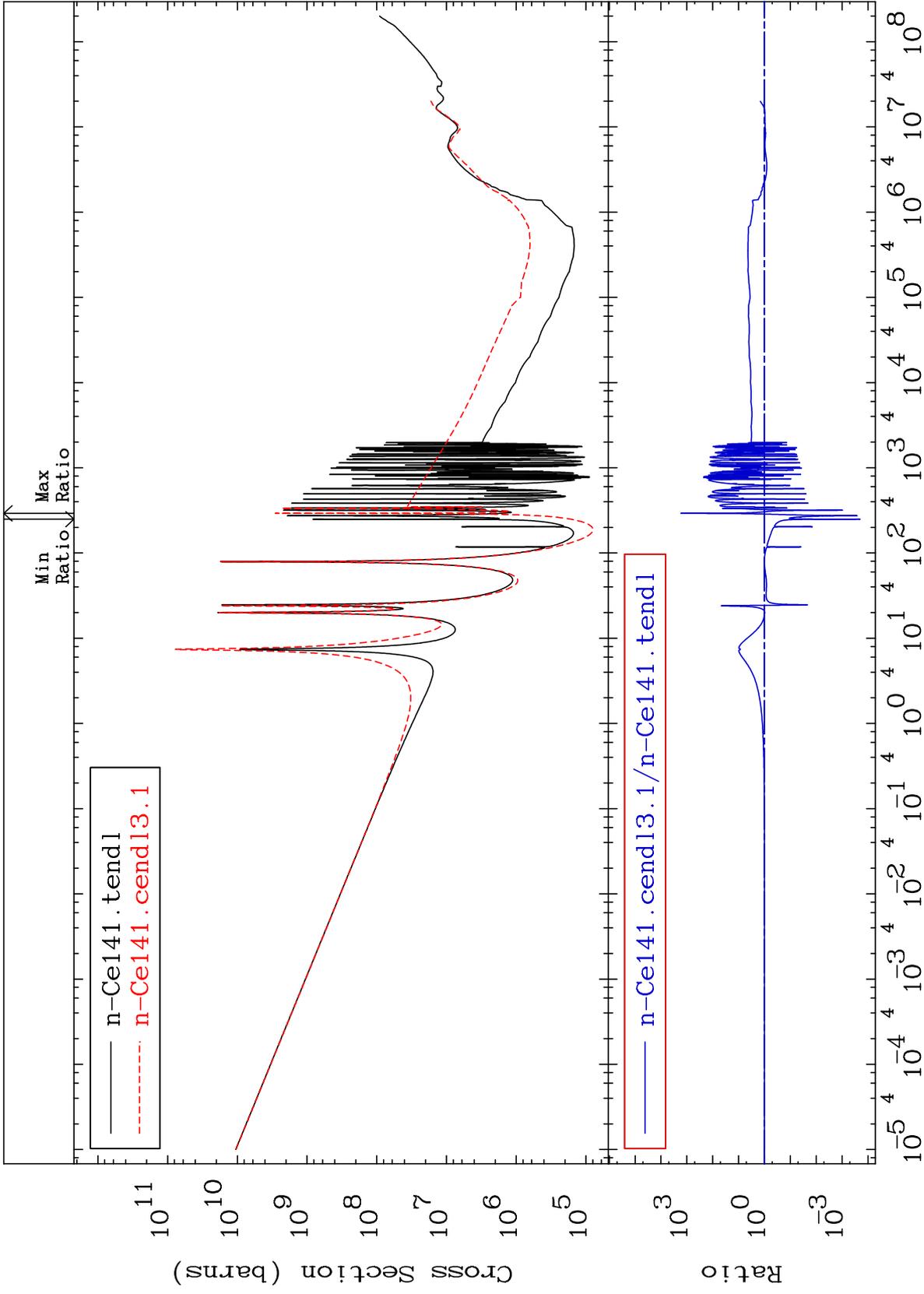
58-Ce-141

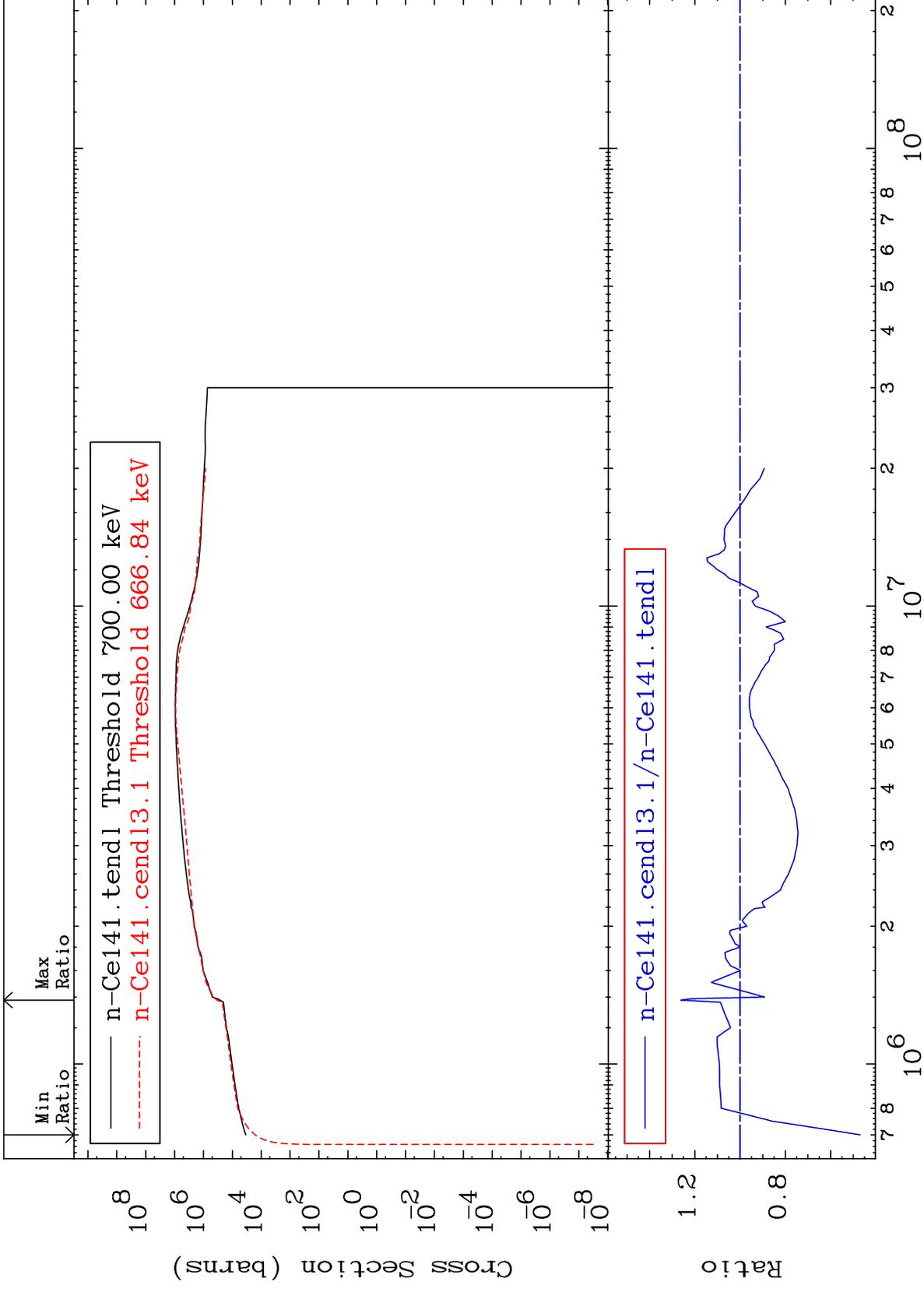
MAT 5840 He-4 Production Cross Section 58-Ce-141 -100.0 To 574.5 %







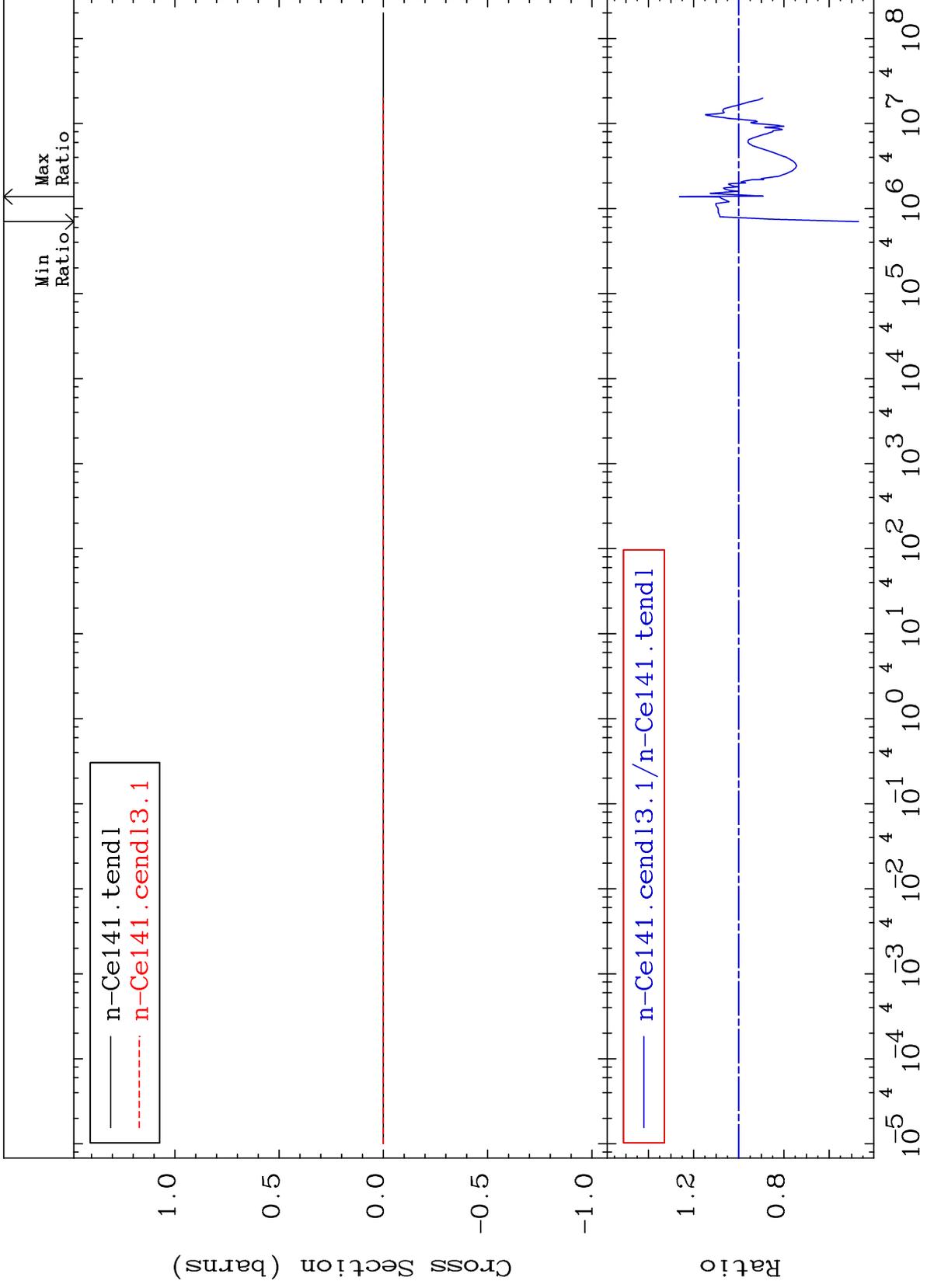




MAT 5840

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

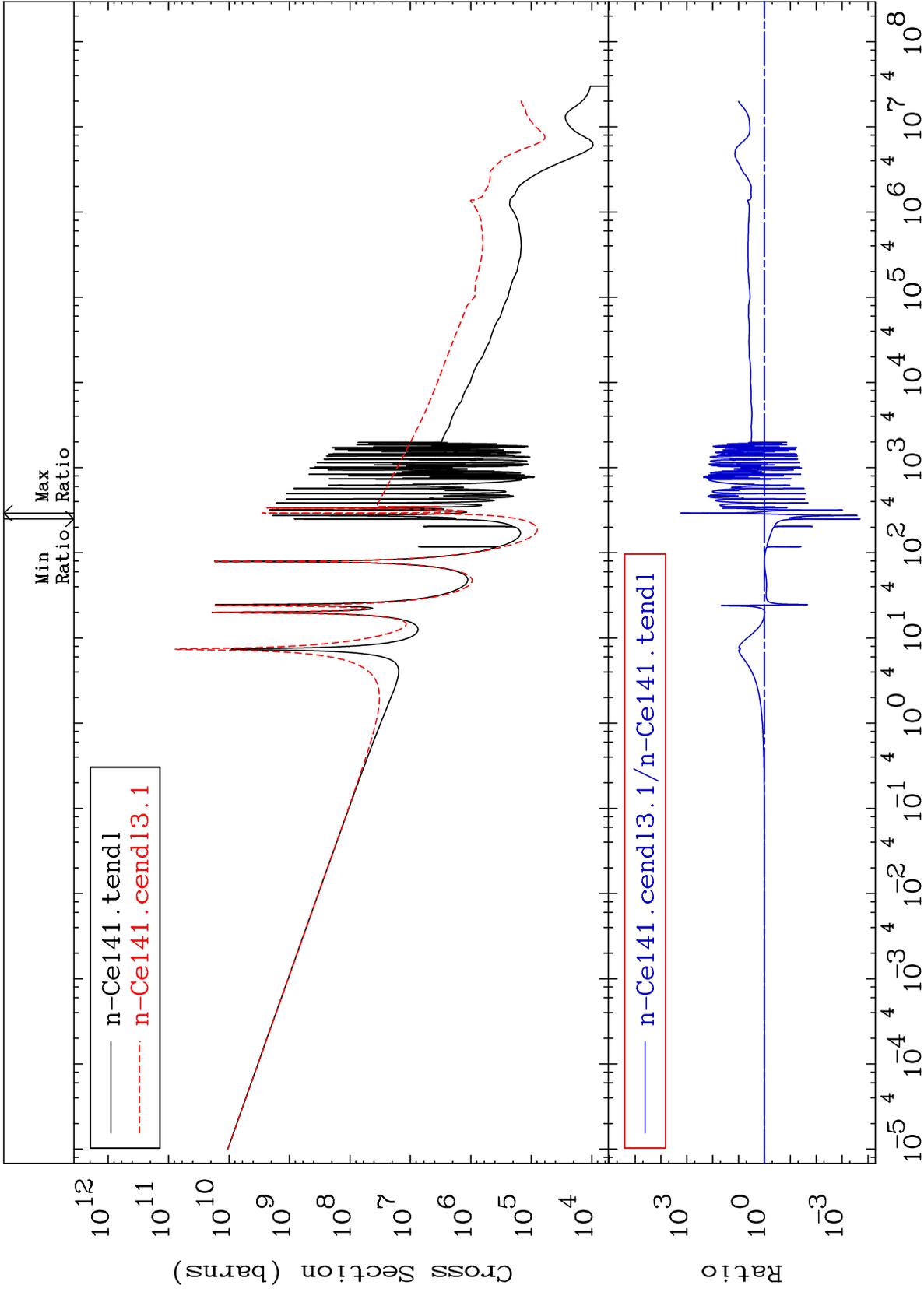
58-Ce-141
-53.04 To 26.22 %



38

Incident Energy (eV)

58-Ce-141

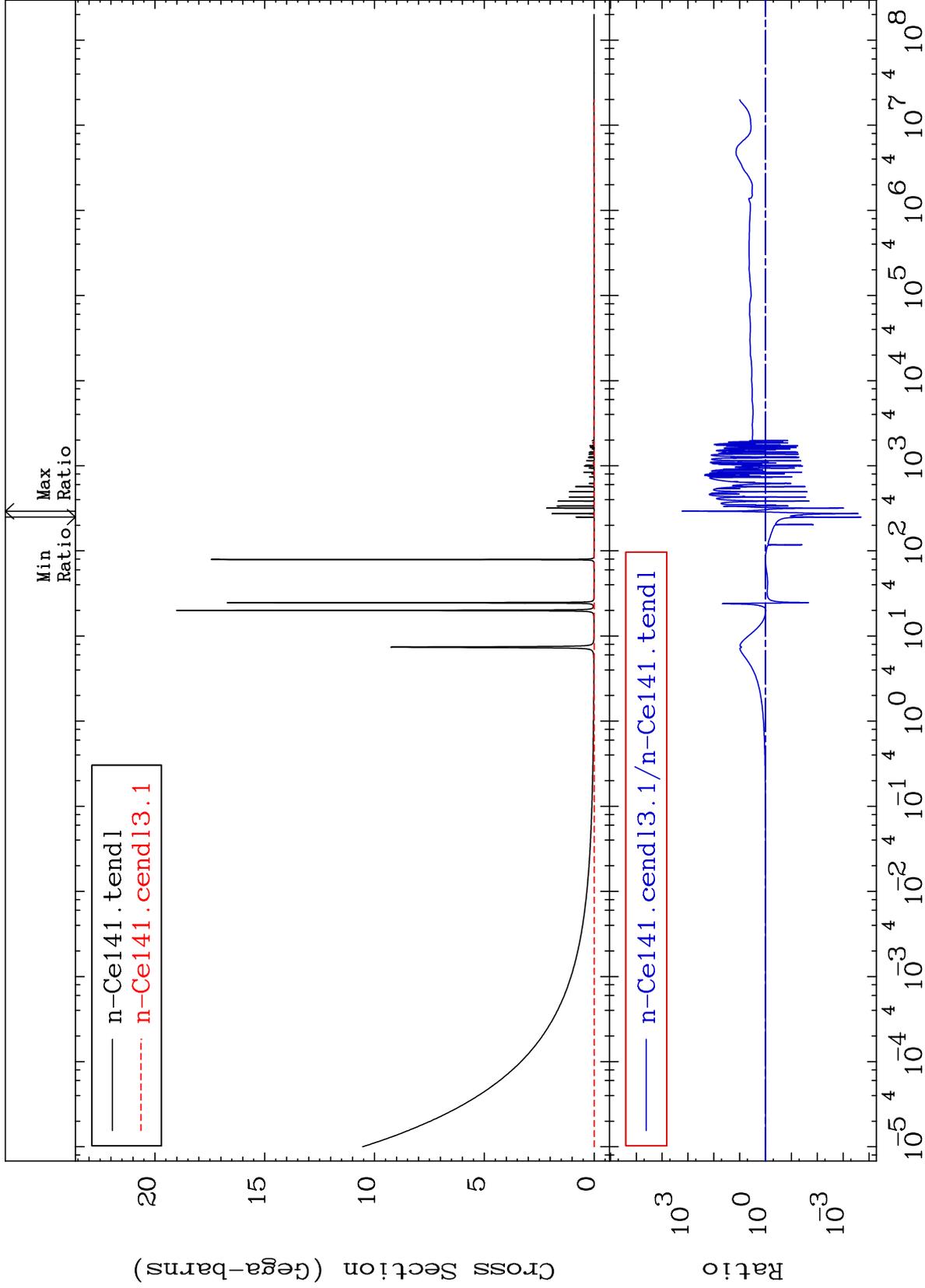


MAT 5840

Total photon (eV-barns)
Cross Section

58-Ce-141

-99.98 To 9999. %



40

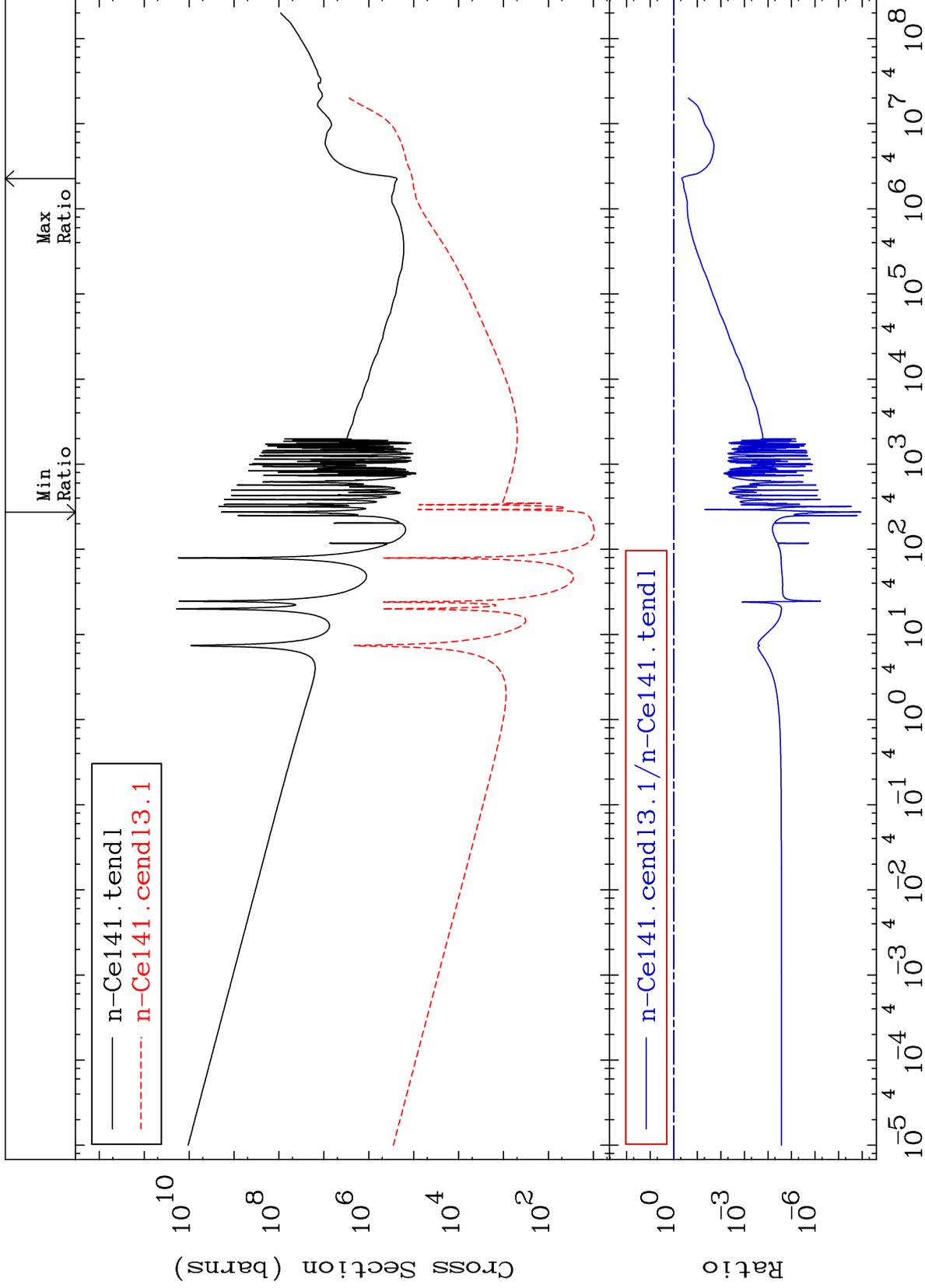
Incident Energy (eV)

58-Ce-141

MAT 5840

Total kinematic kerma (high limit)
Cross Section

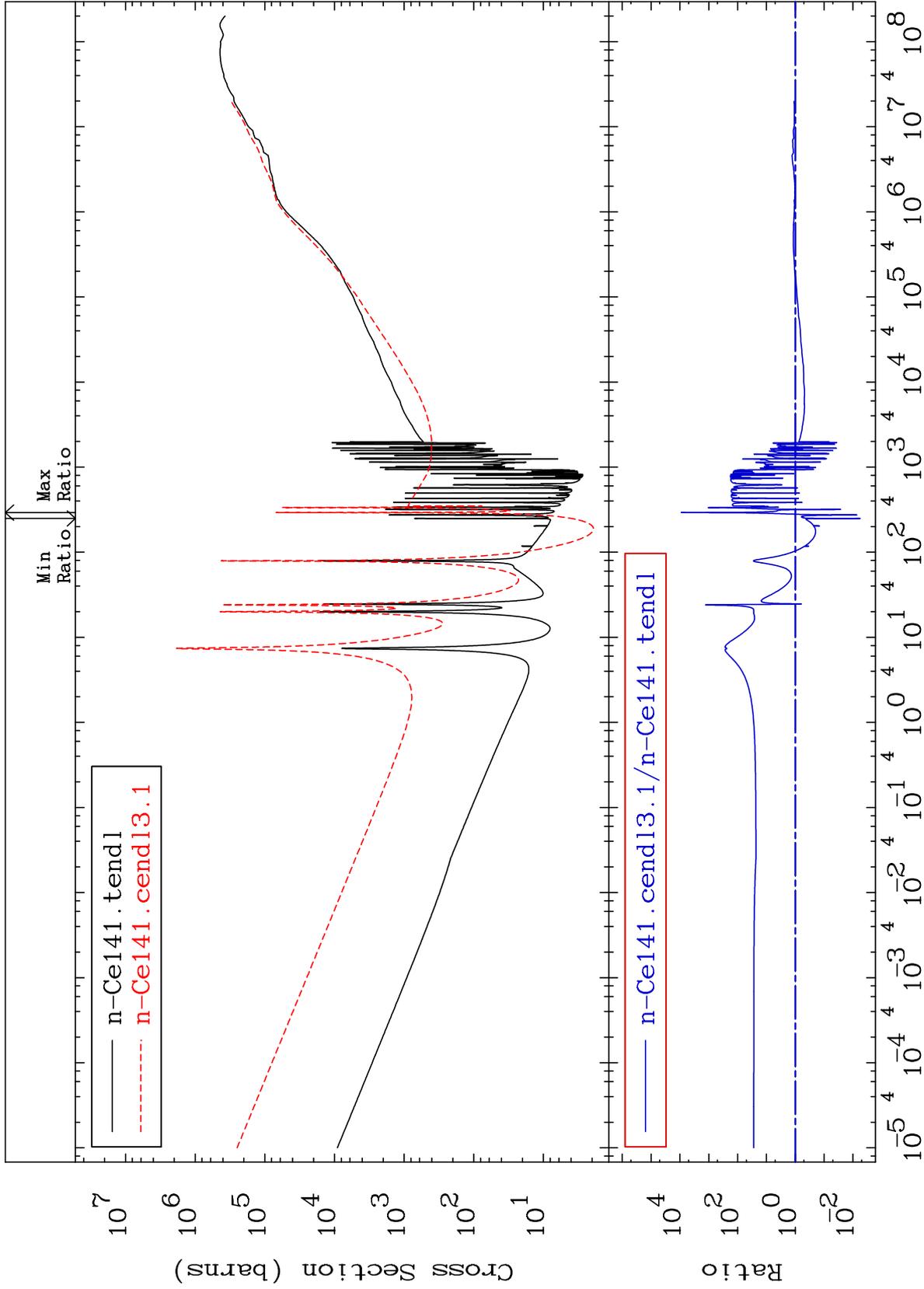
58-Ce-141
-100.0 To -55.01%



41

Incident Energy (eV)

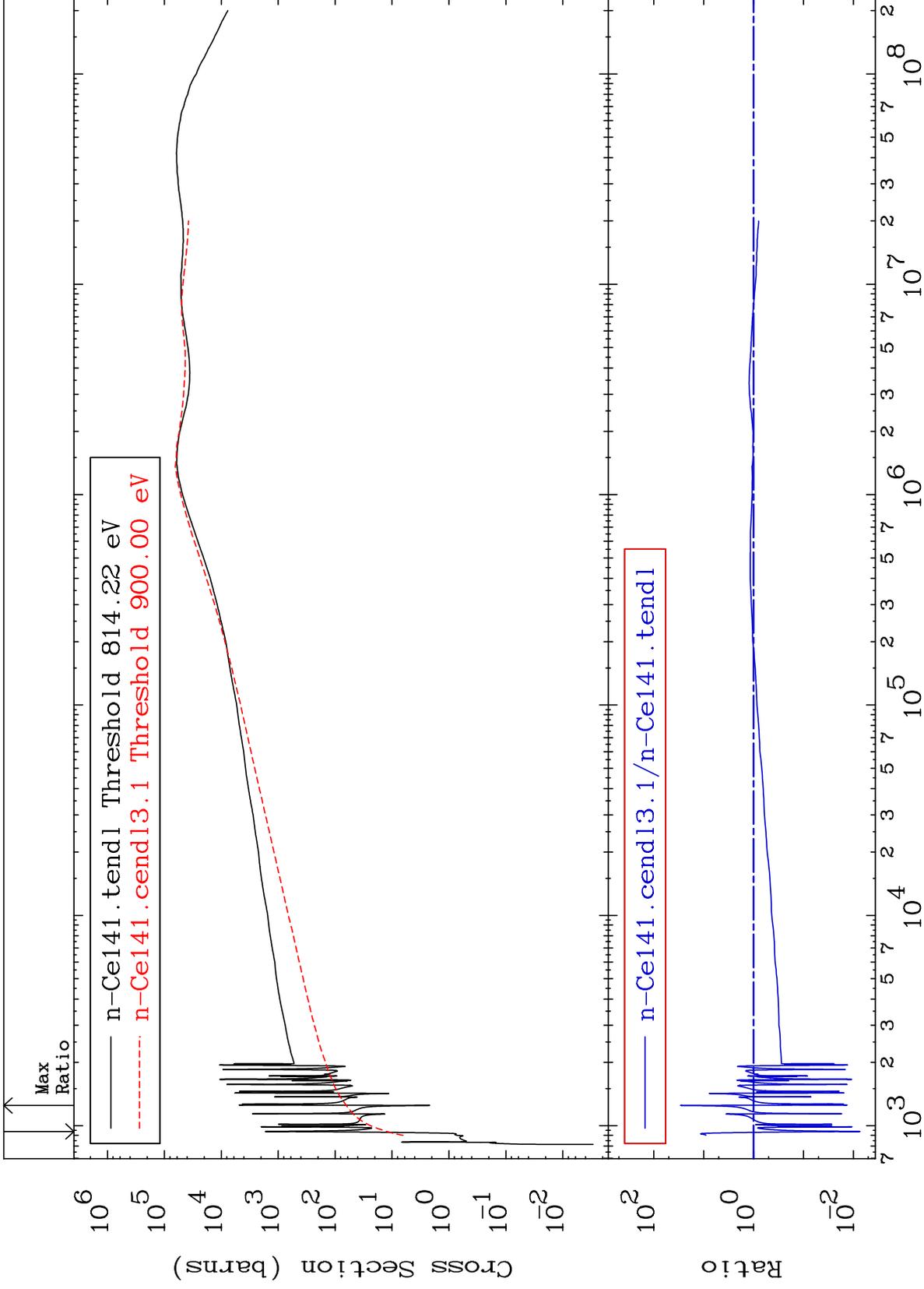
58-Ce-141



MAT 5840

Dpa elastic (mt2)
Cross Section

58-Ce-141
-99.27 To 2784. %



43

Incident Energy (eV)

58-Ce-141

