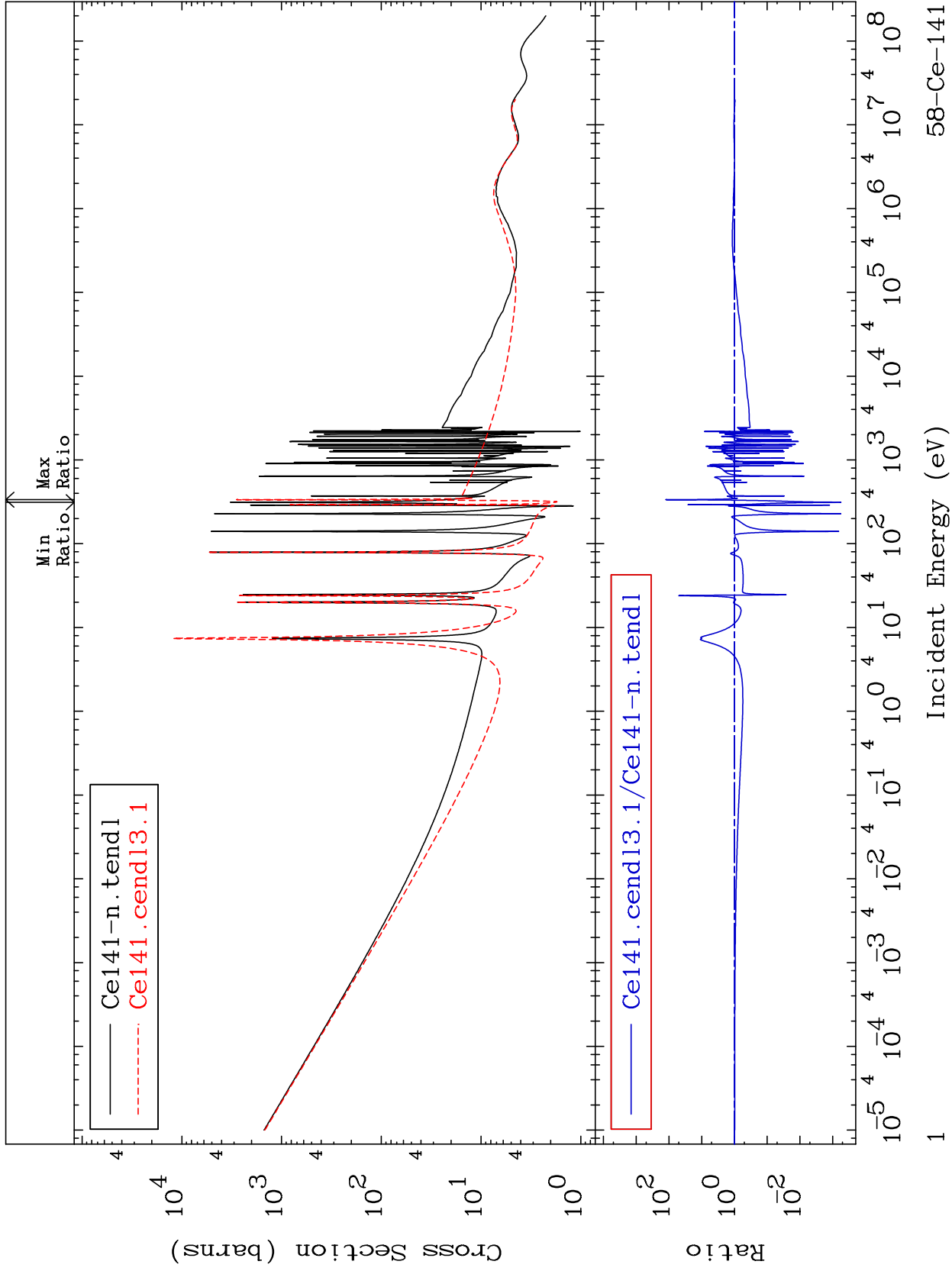


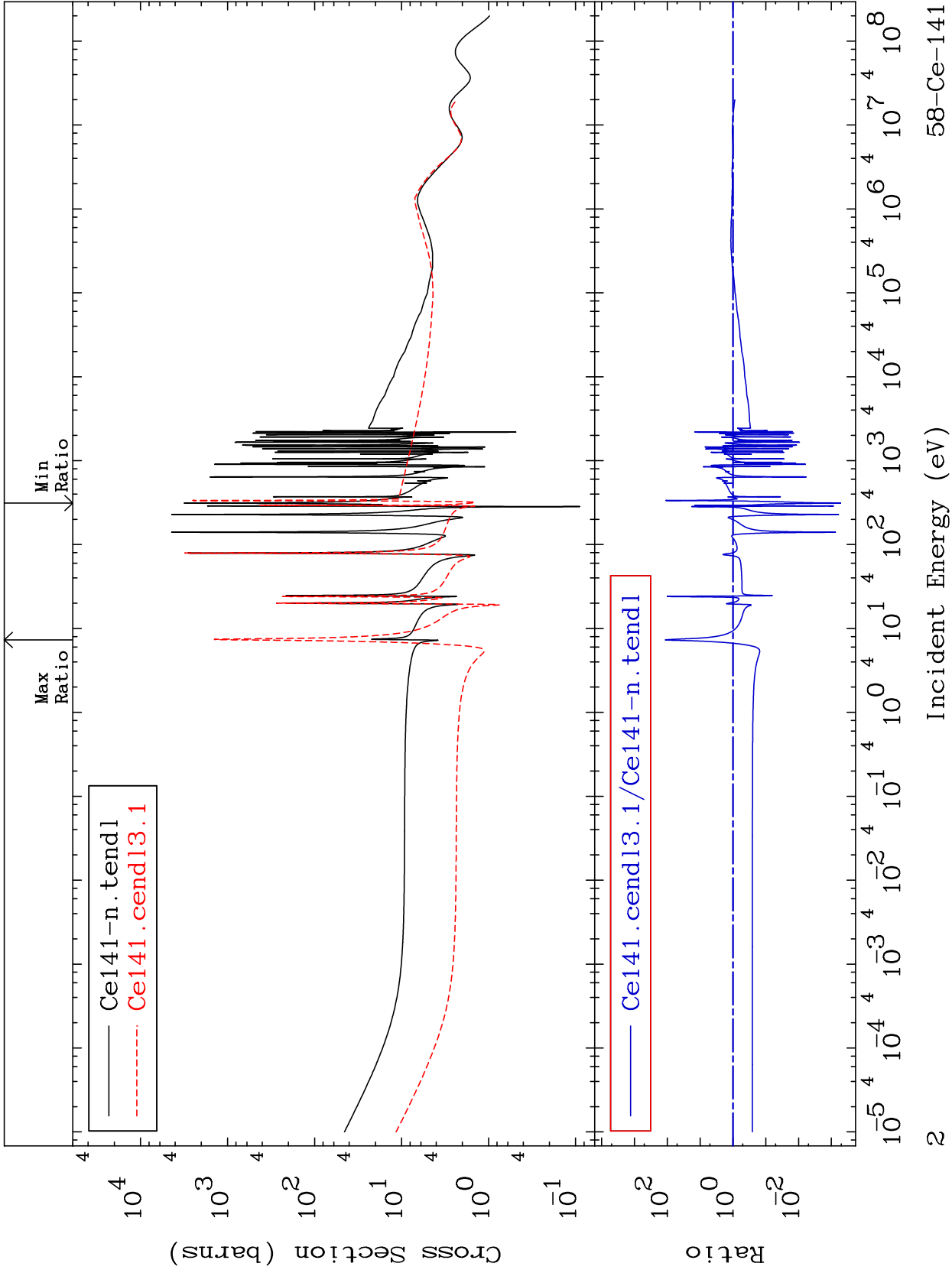
MAT 5840

Total Cross Section
58-Ce-141
-99.94 To 9999. %



MAT 5840

Elastic Cross Section
58-Ce-141
-99.95 To 9999. %

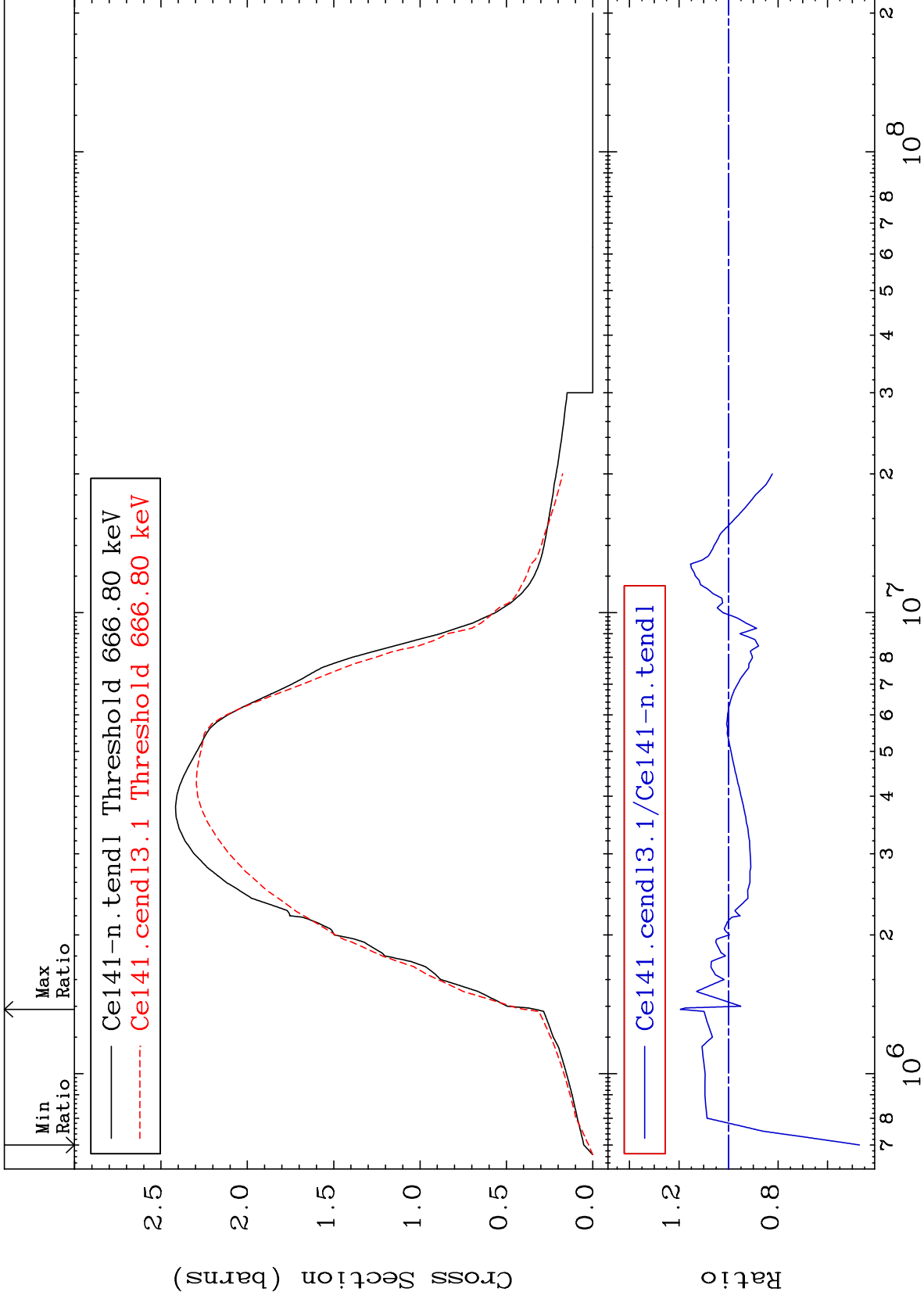


58-Ce-141

MAT 5840

Inelastic
Cross Section

58-Ce-141
-52.88 To 19.45 %



3

58-Ce-141

MAT 5840

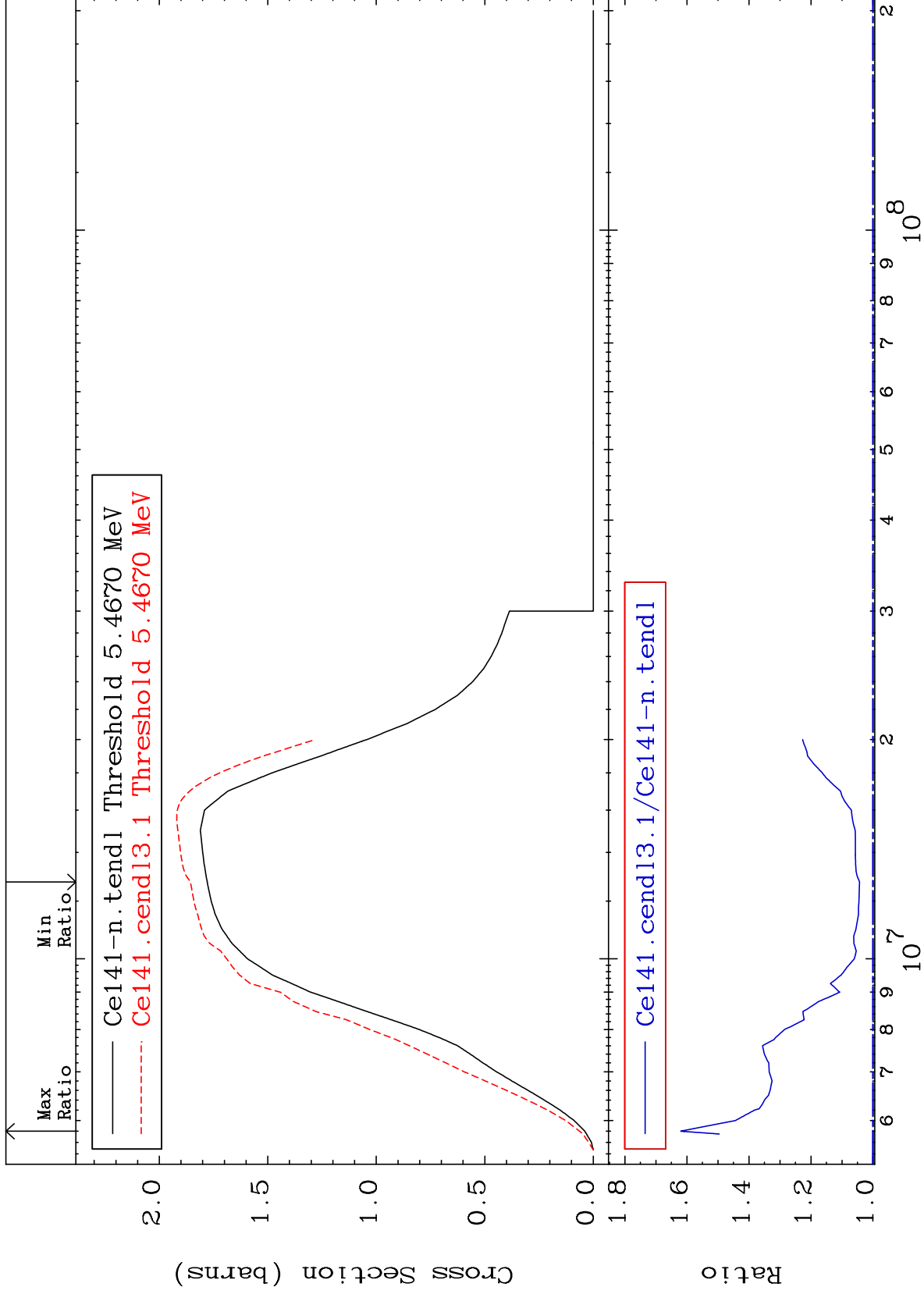
(n,2n)

58-Ce-141

Cross Section

4.327

To 61.99 %



Incident Energy (eV)

58-Ce-141

4

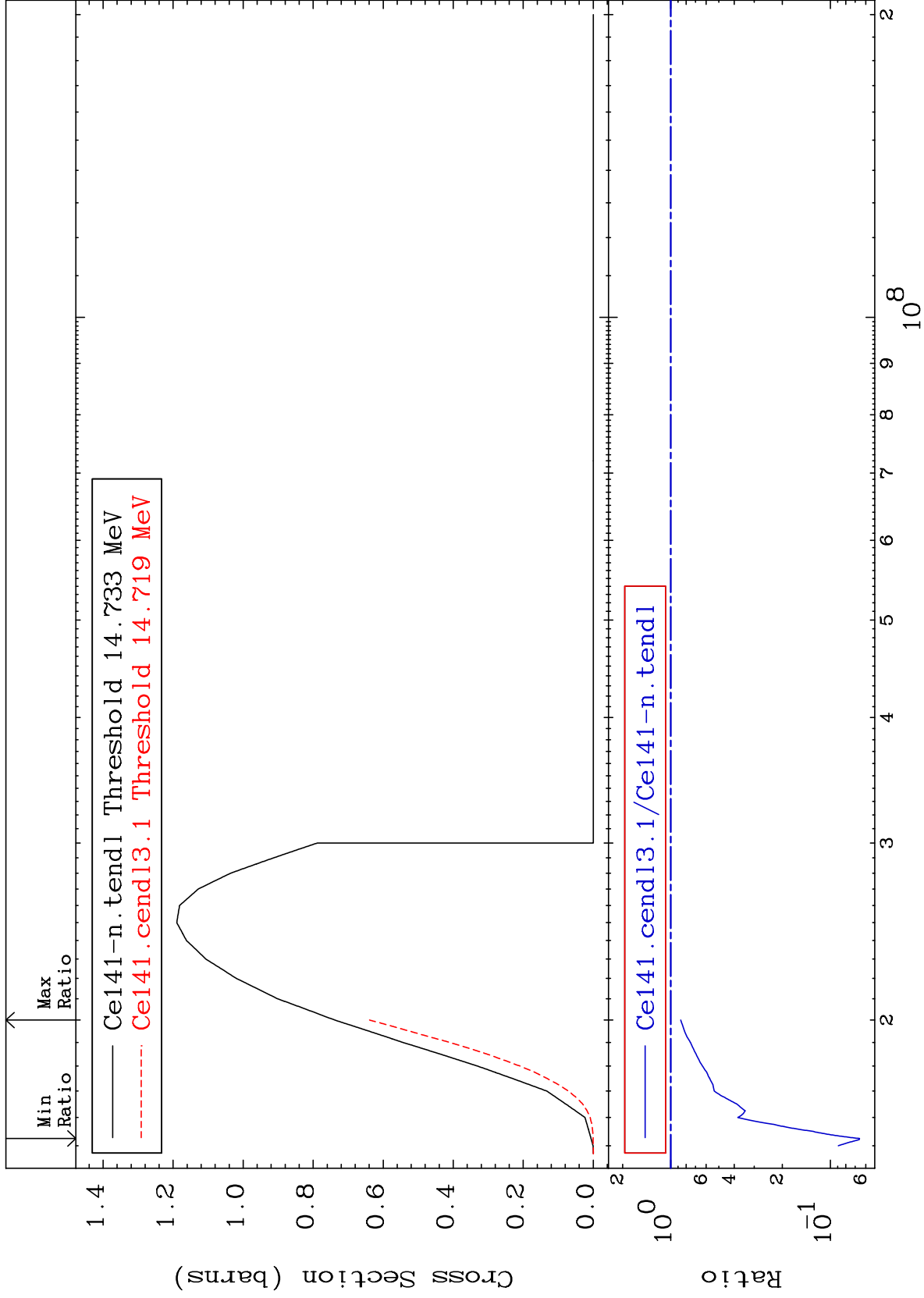
MAT 5840

(n,3n)

58-Ce-141

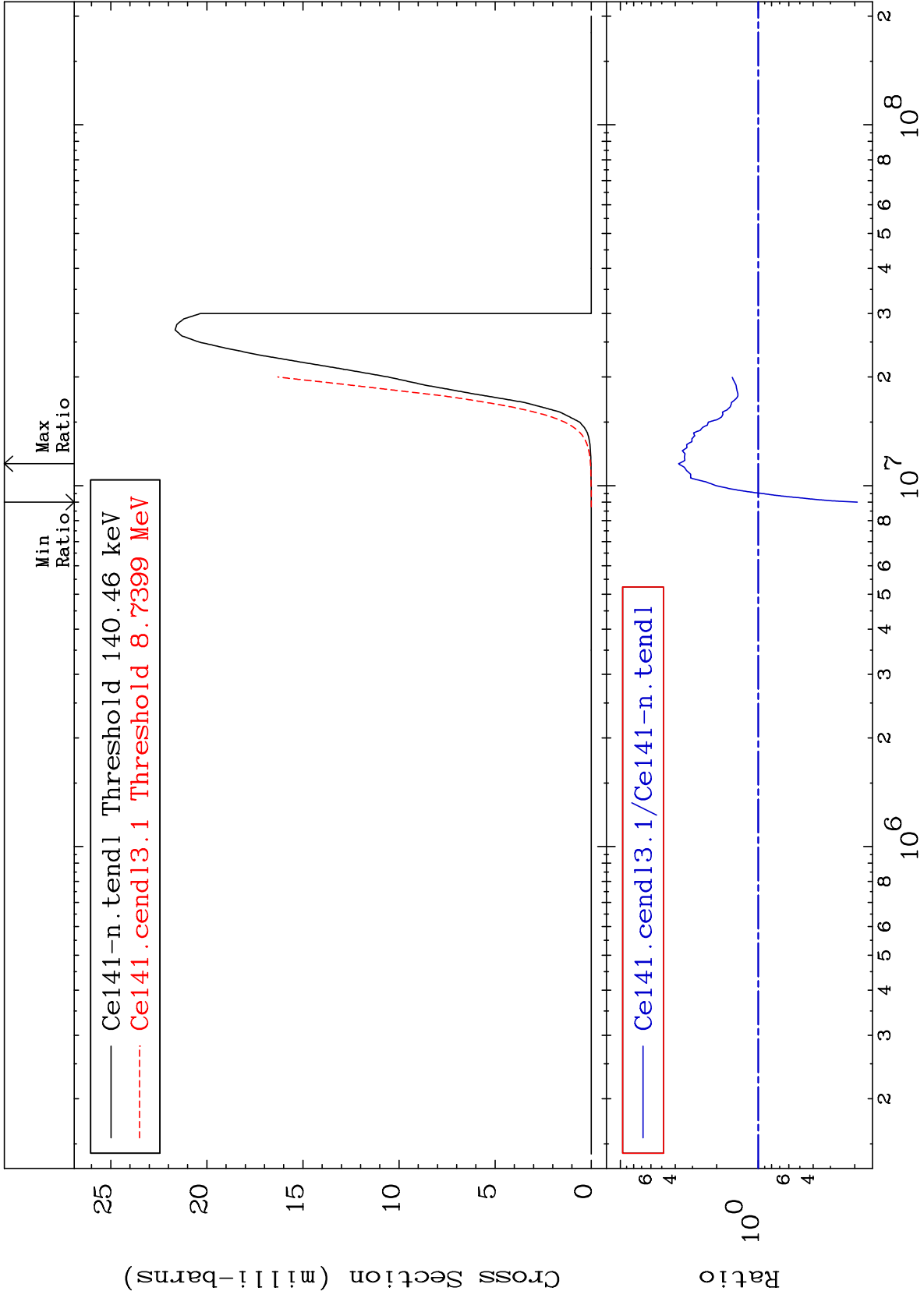
Cross Section

-93.43 To -13.47%



MAT 5840

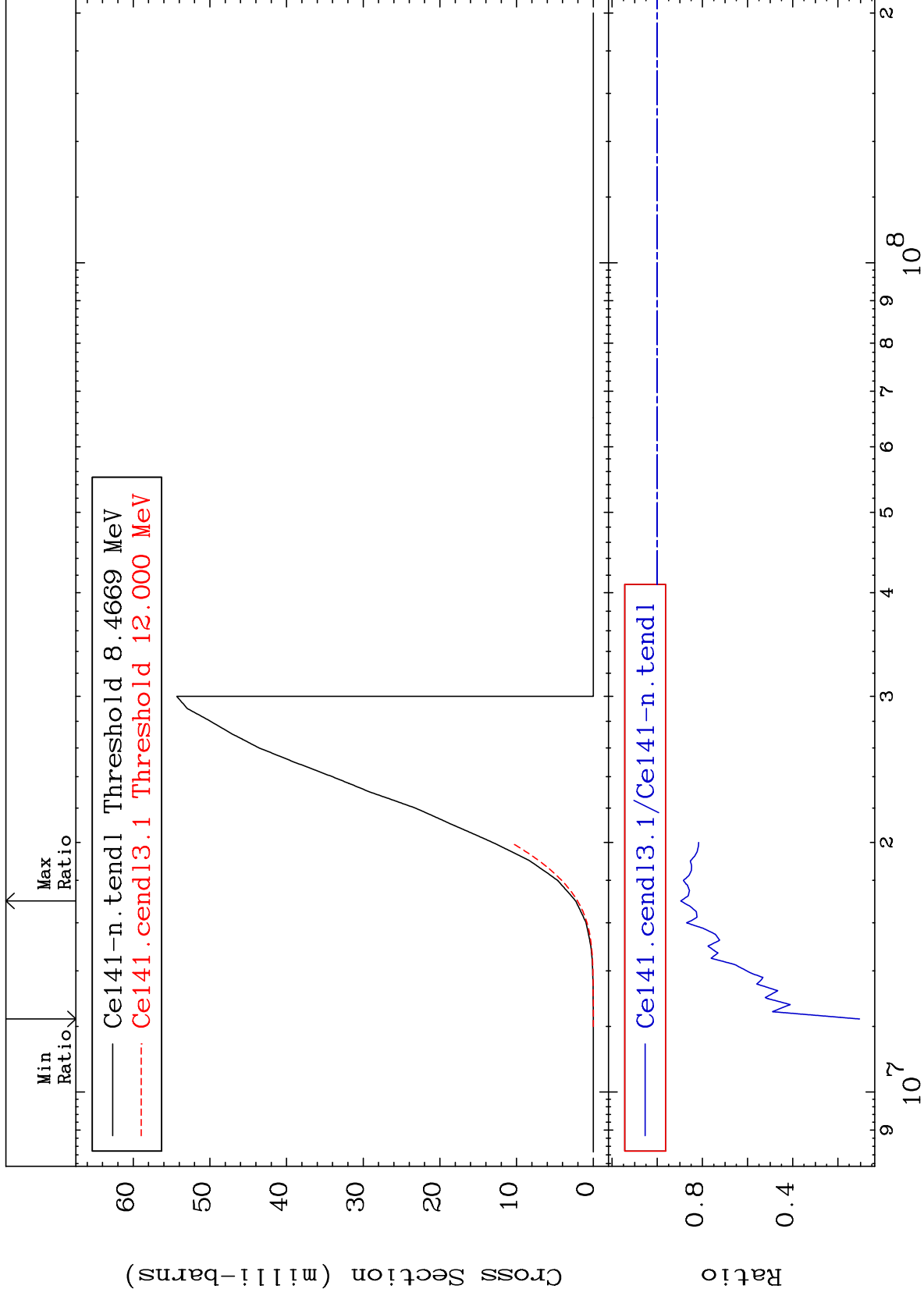
$(n, n') \alpha$ Cross Section
58-Ce-141
-80.82 To 277.7 %



MAT 5840

(n,n') p
Cross Section

58-Ce-141
-89.57 To -10.40%



7

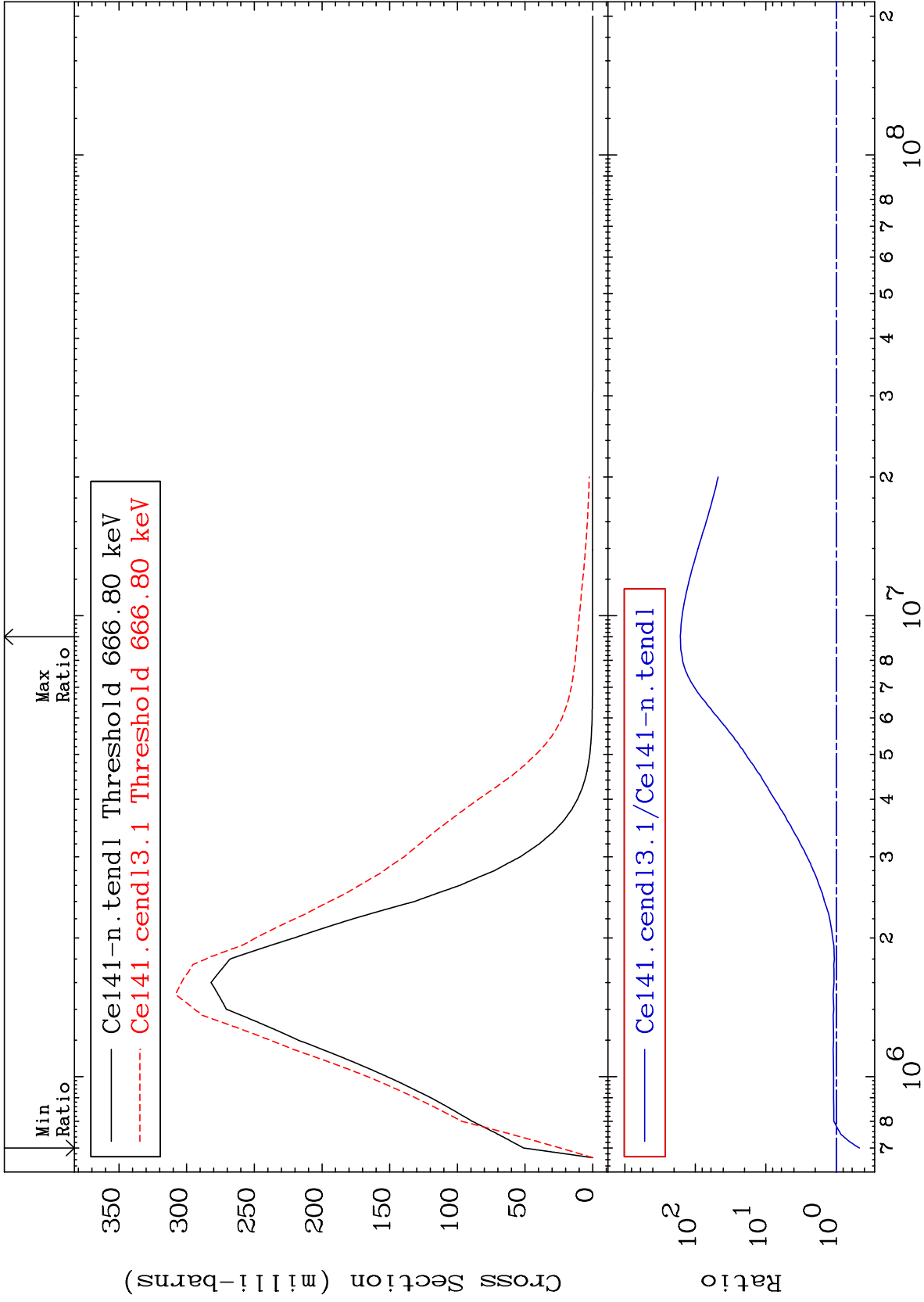
Incident Energy (eV)

58-Ce-141

MAT 5840

662.1 keV (n,n') Level
Cross Section

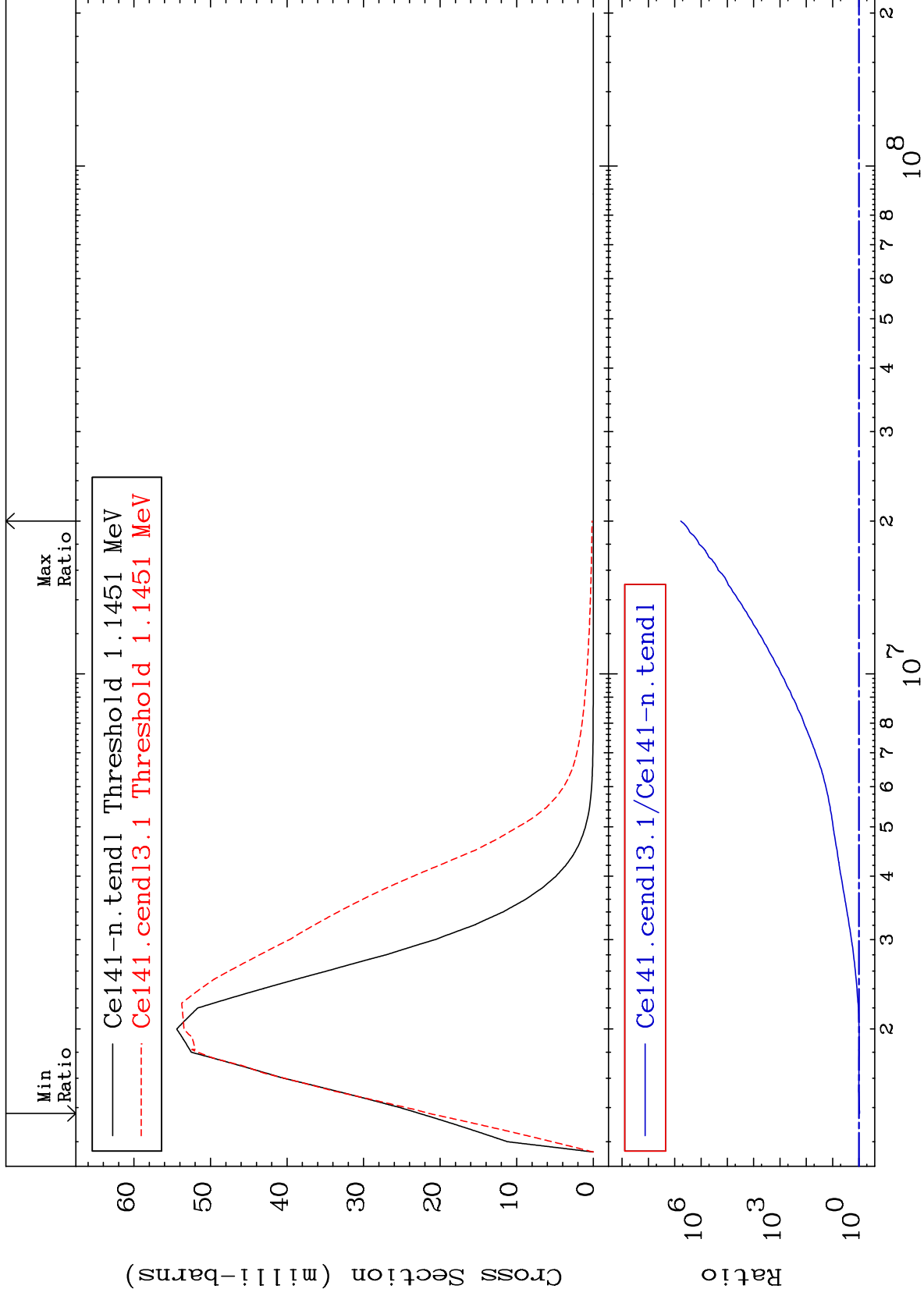
58-Ce-141
-52.88 To 9999. %



MAT 5840

1.137 MeV (n,n') Level
Cross Section

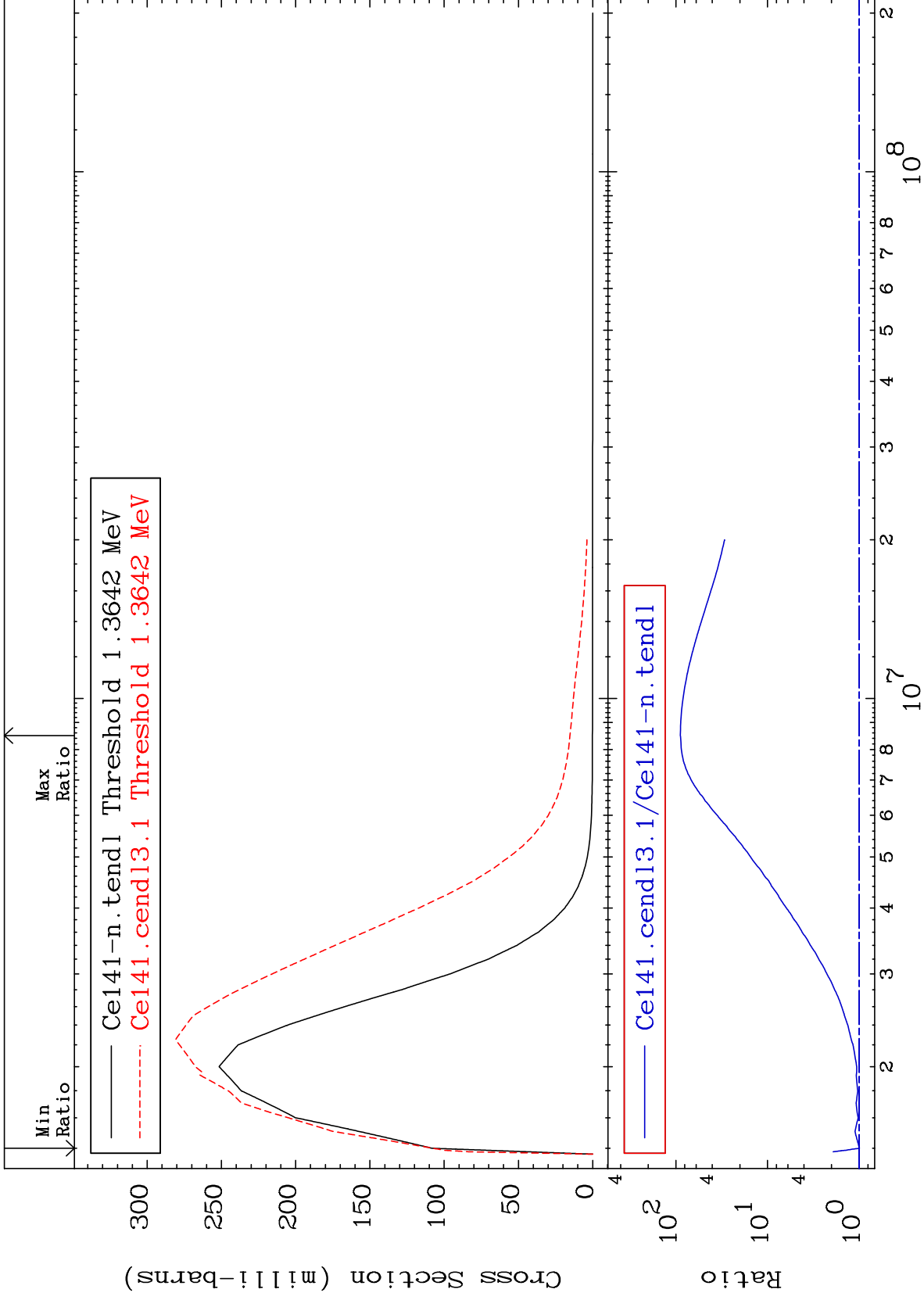
58-Ce-141
-5.365 To 9999. %



MAT 5840

1.355 MeV (n,n') Level
Cross Section

58-Ce-141
-0.710 To 8826. %



10

Incident Energy (eV)

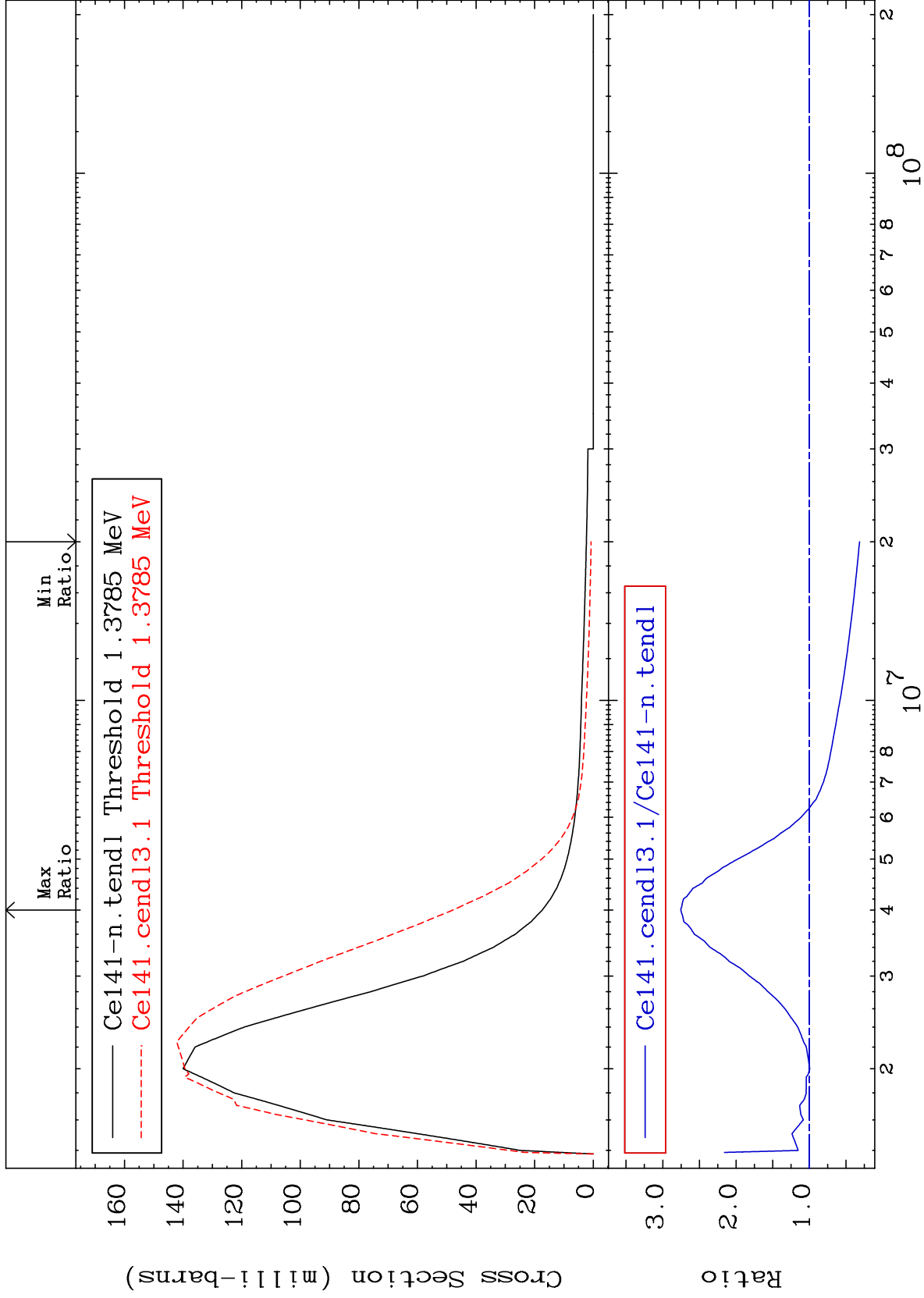
58-Ce-141

MAT 5840

1.369 MeV (n,n') Level

58-Ce-141

-68.39 To 175.4 %



11

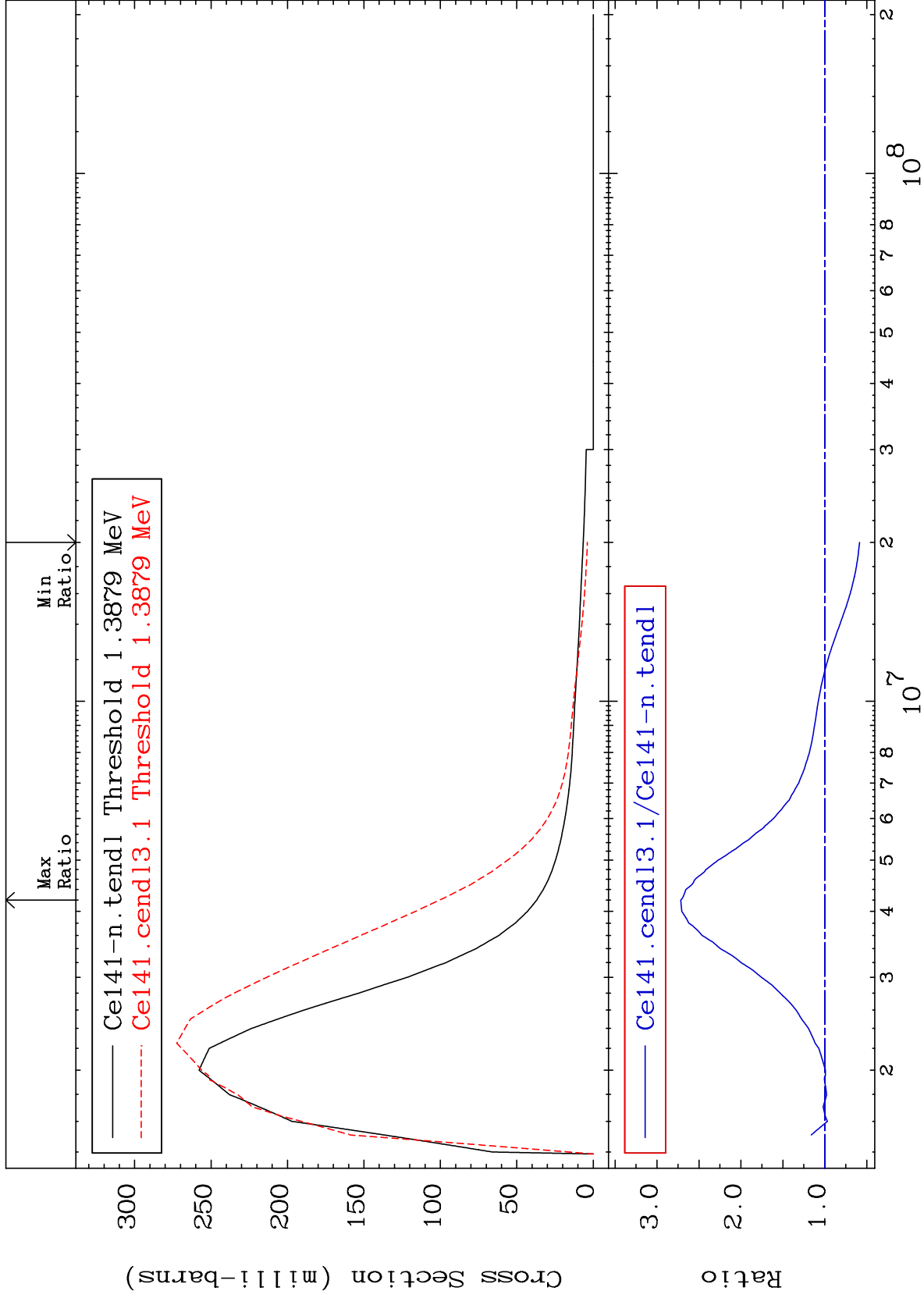
Incident Energy (eV)

58-Ce-141

MAT 5840

1.378 MeV (n,n') Level
Cross Section

58-Ce-141
-41.38 To 171.7 %



12

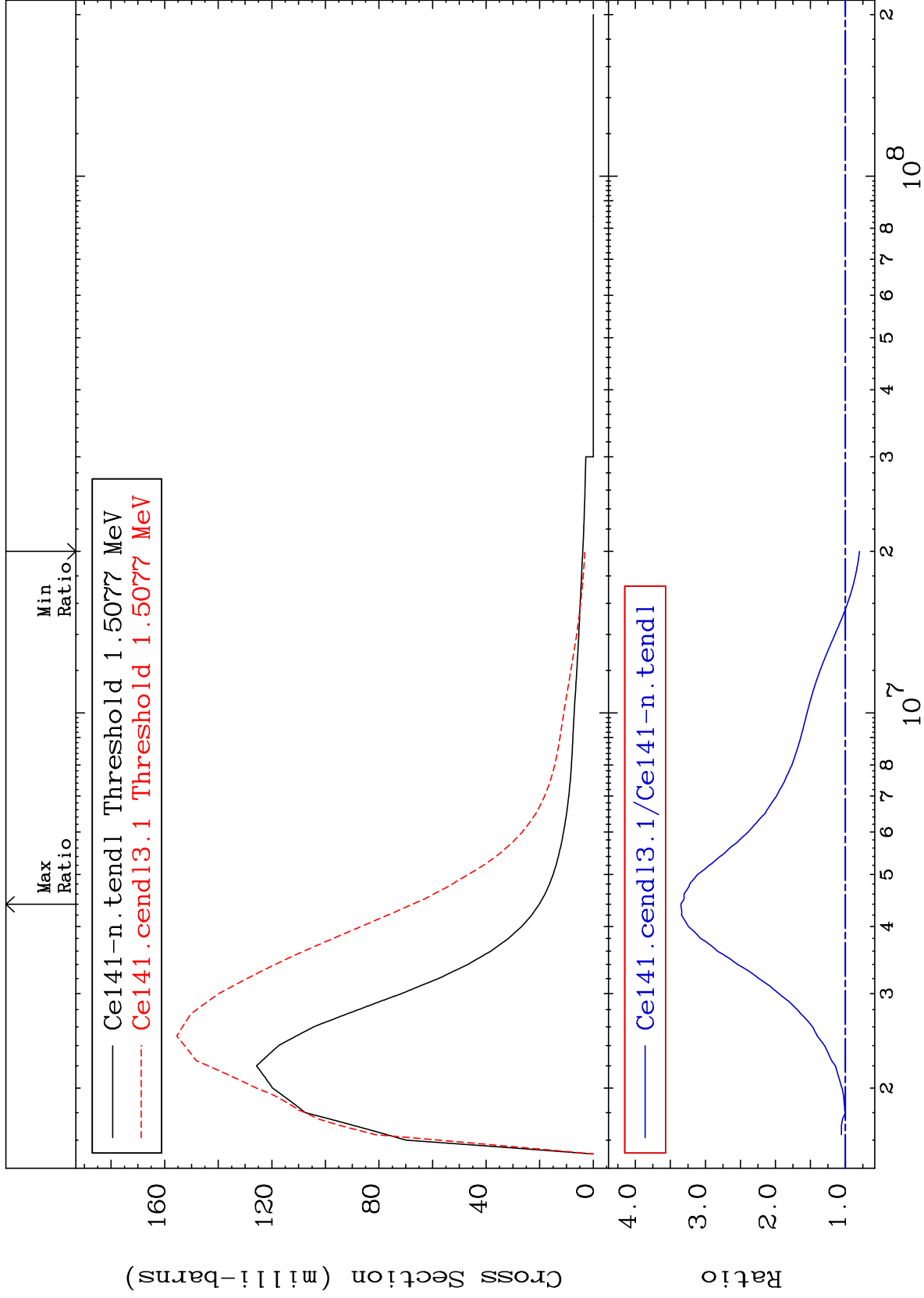
Incident Energy (eV)

58-Ce-141

MAT 5840

1.497 MeV (n,n') Level
Cross Section

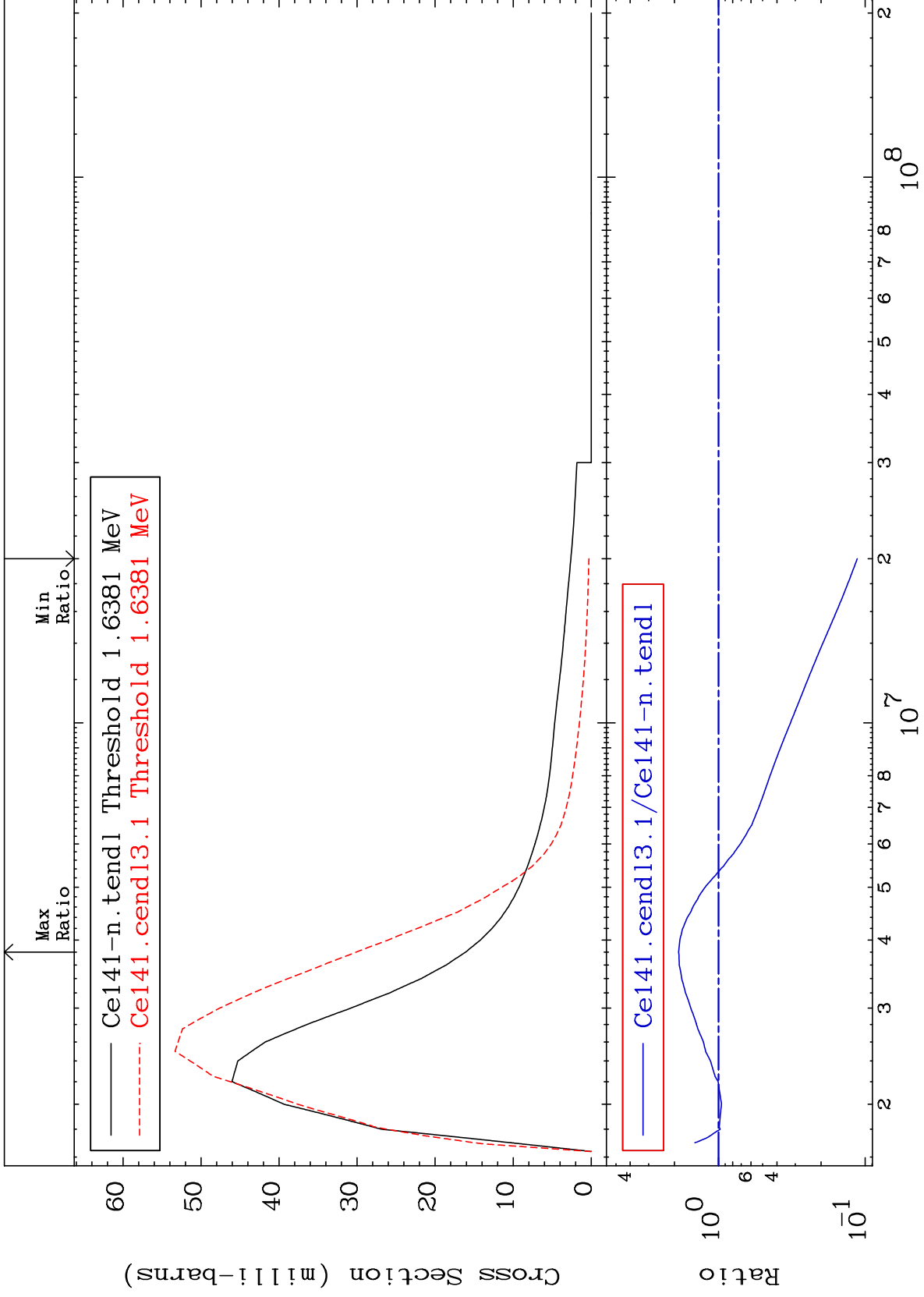
58-Ce-141
-20.13 To 235.2 %



MAT 5840

1.626 MeV (n,n') Level
Cross Section

58-Ce-141
-88.67 To 87.05 %



14

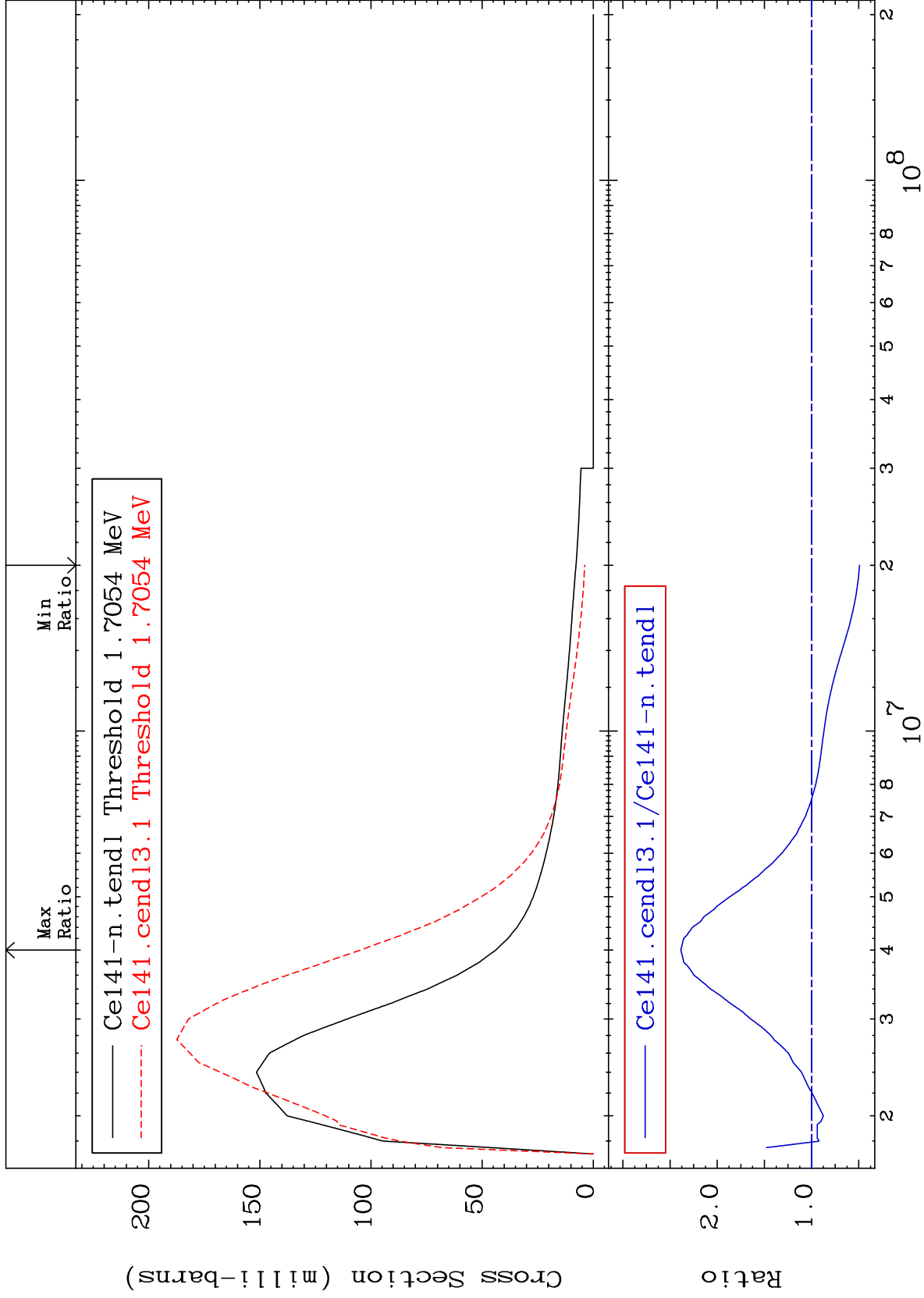
Incident Energy (eV)

58-Ce-141

MAT 5840

1.693 MeV (n,n') Level
Cross Section

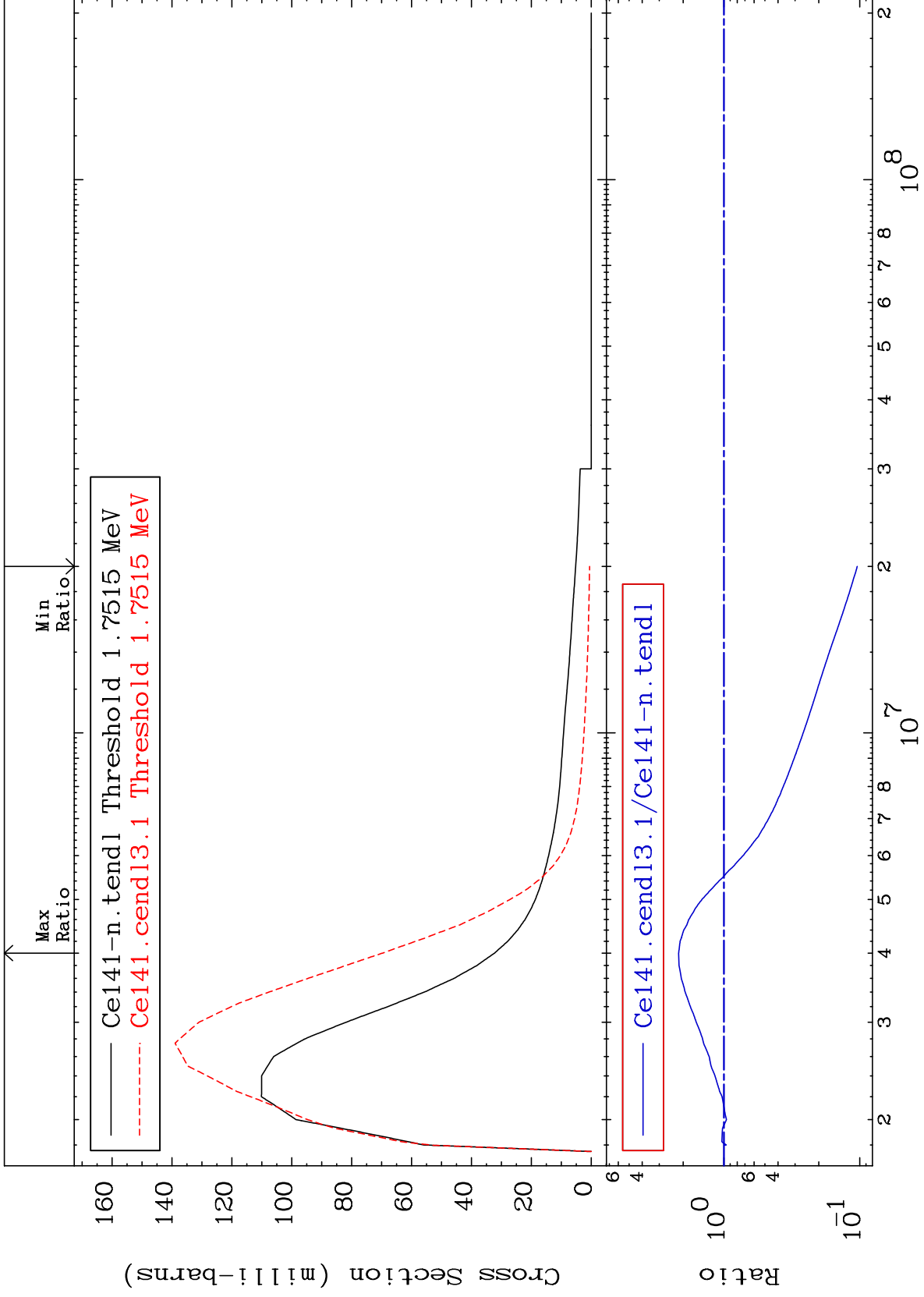
58-Ce-141
-50.84 To 138.6 %



MAT 5840

1.739 MeV (n,n') Level
Cross Section

58-Ce-141
-89.57 To 115.8 %



16

Incident Energy (eV)

58-Ce-141

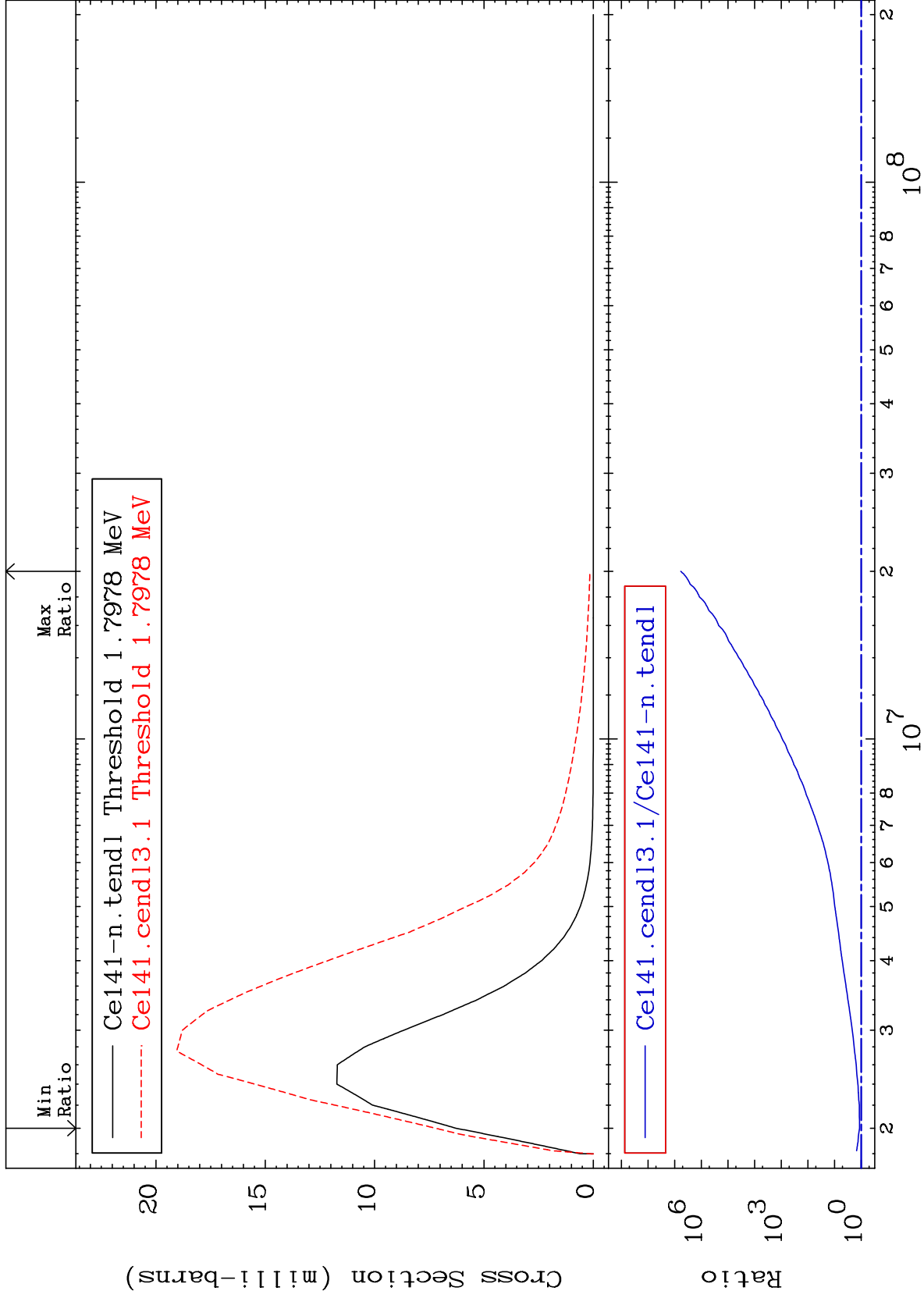
MAT 5840

1.785 MeV (n,n') Level

58-Ce-141

14.87 To 9999. %

Cross Section



17

Incident Energy (eV)

58-Ce-141

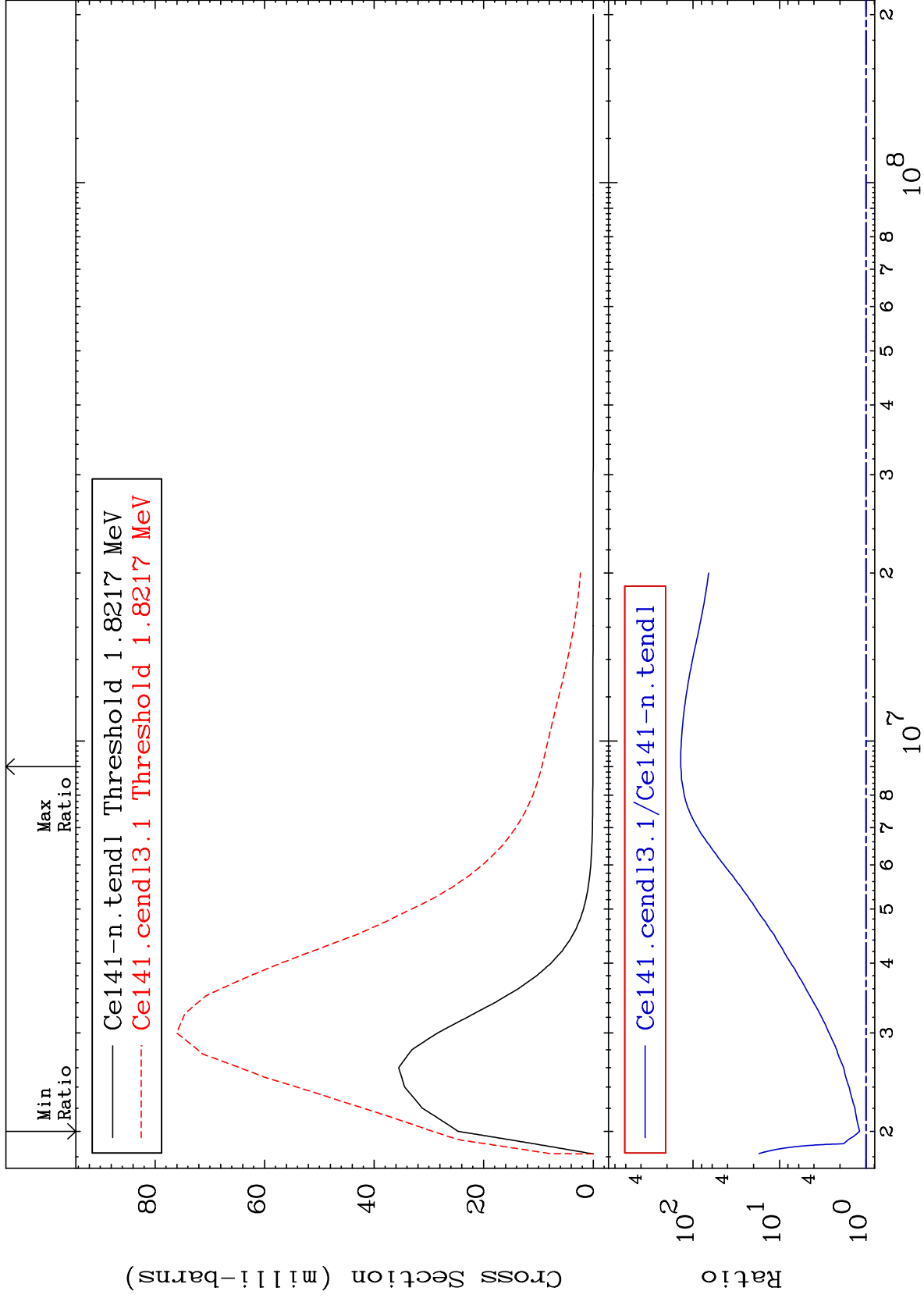
MAT 5840

1.809 MeV (n,n') Level

58-Ce-141

18.80 To 9999. %

Cross Section



18

Incident Energy (eV)

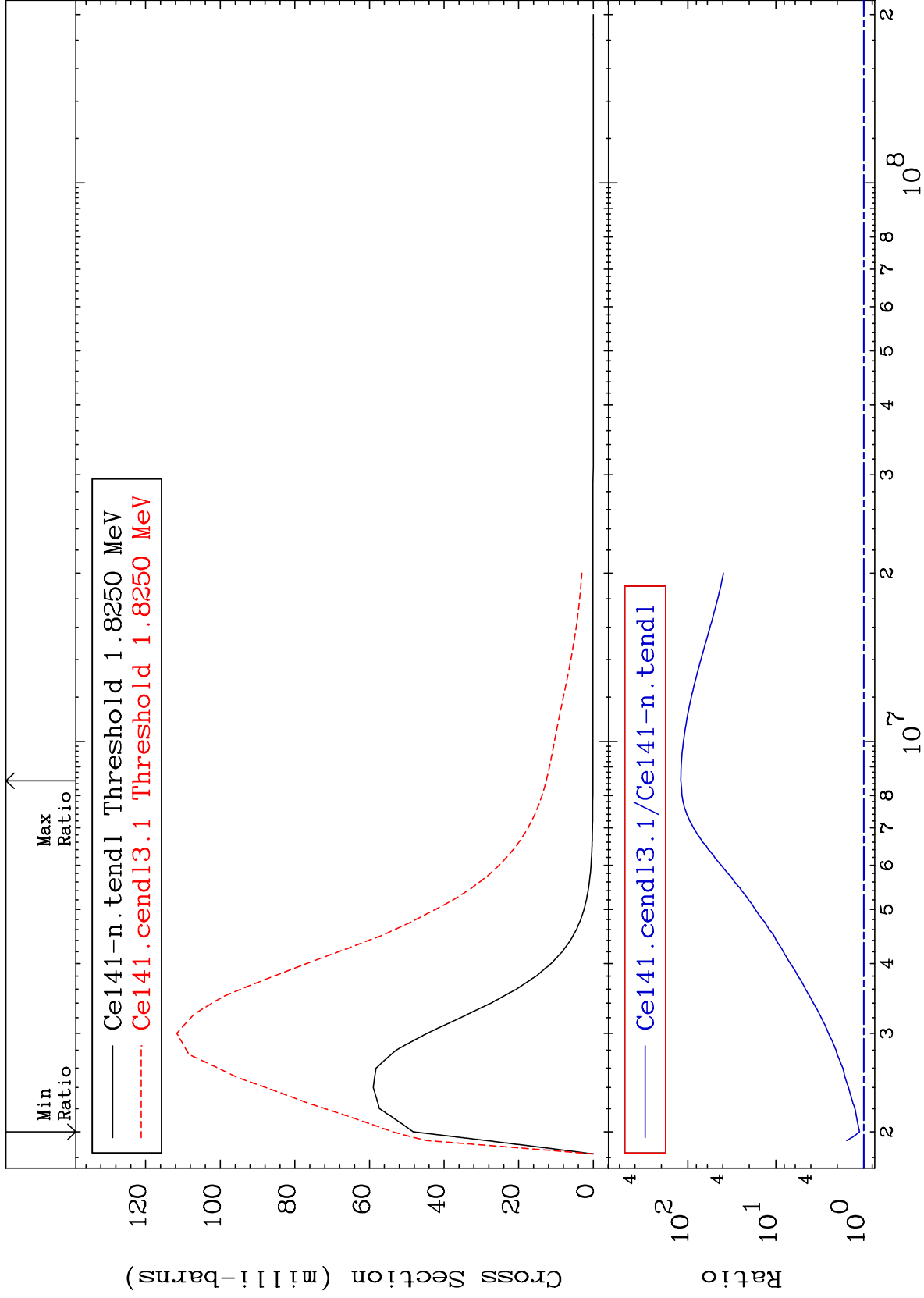
58-Ce-141

MAT 5840

1.812 MeV (n,n') Level

58-Ce-141

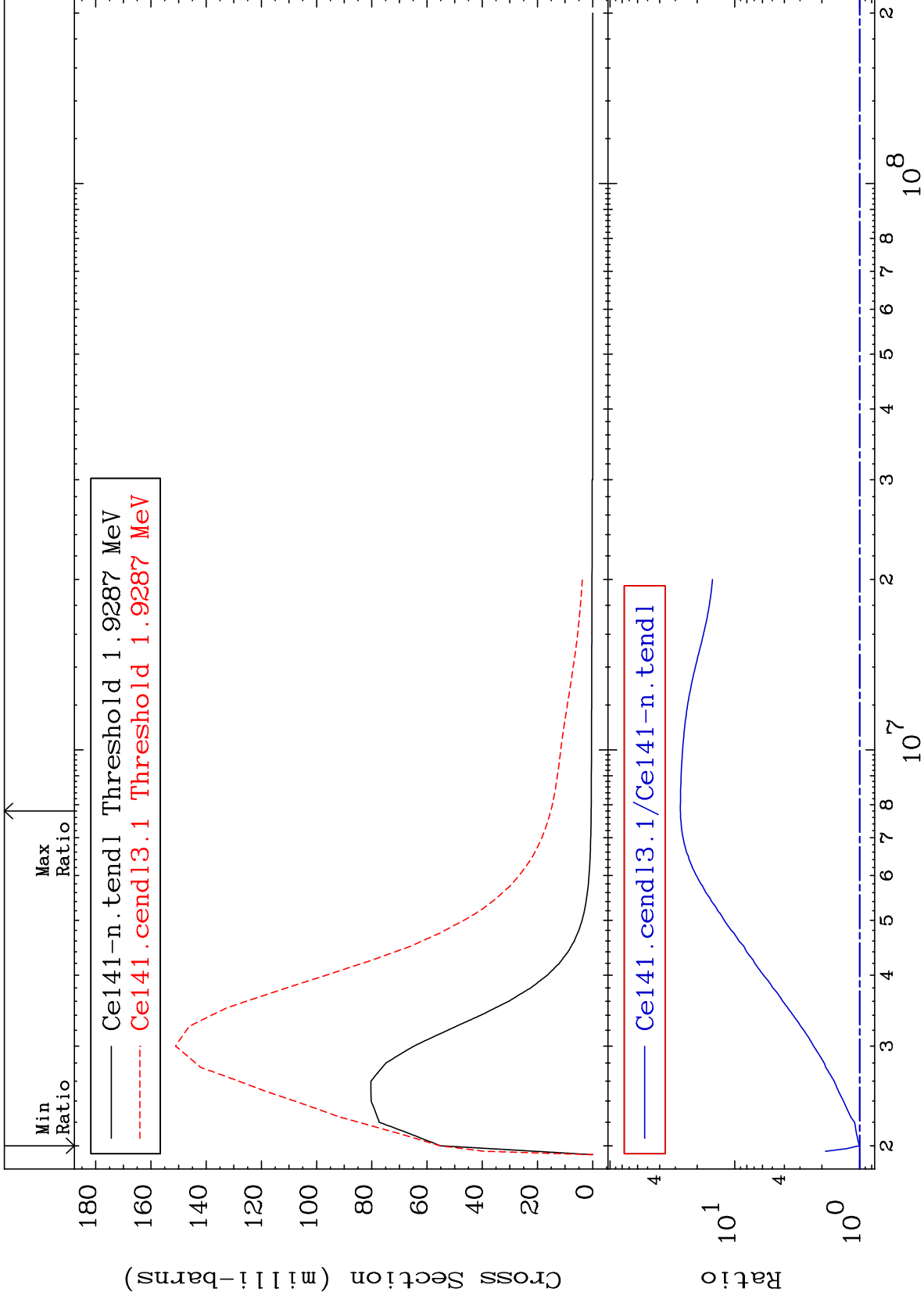
Cross Section To 9999. %



MAT 5840

1.915 MeV (n,n') Level
Cross Section

58-Ce-141
0.225 To 2629. %



20

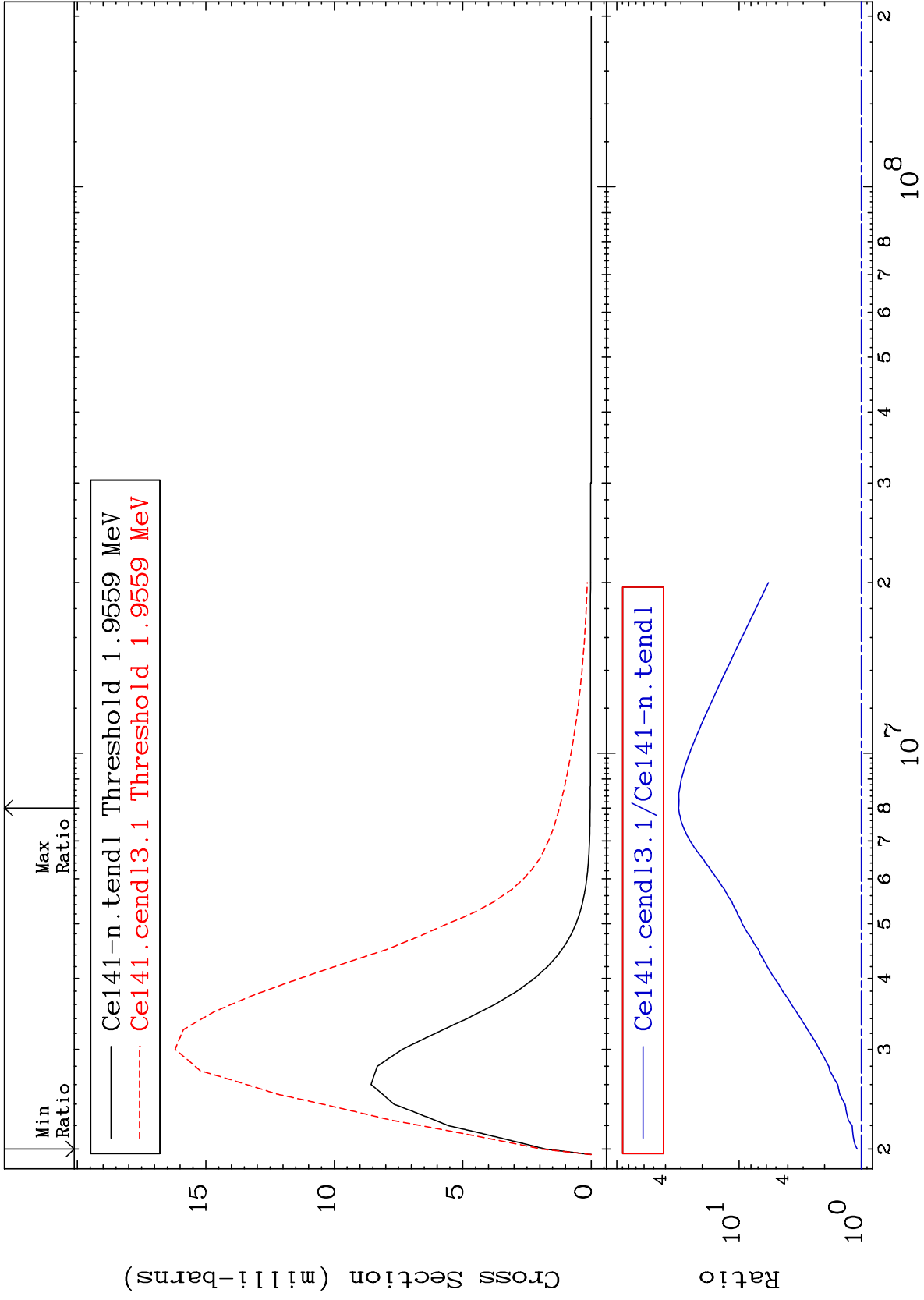
Incident Energy (eV)

58-Ce-141

MAT 5840

1.942 MeV (n,n') Level
Cross Section

58-Ce-141
8.128 To 3027. %



21

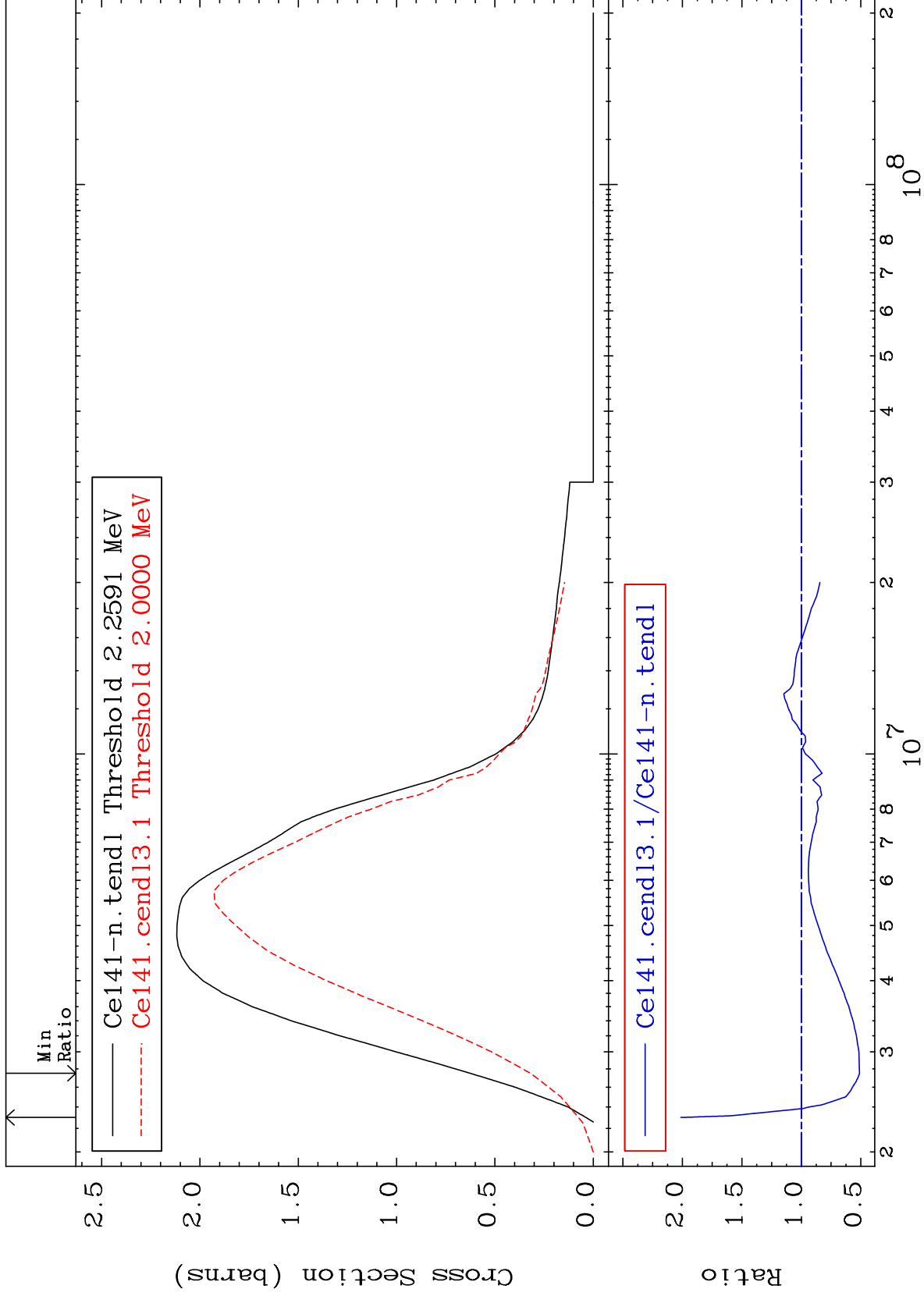
Incident Energy (eV)

58-Ce-141

MAT 5840

(n, n') Continuum
Cross Section

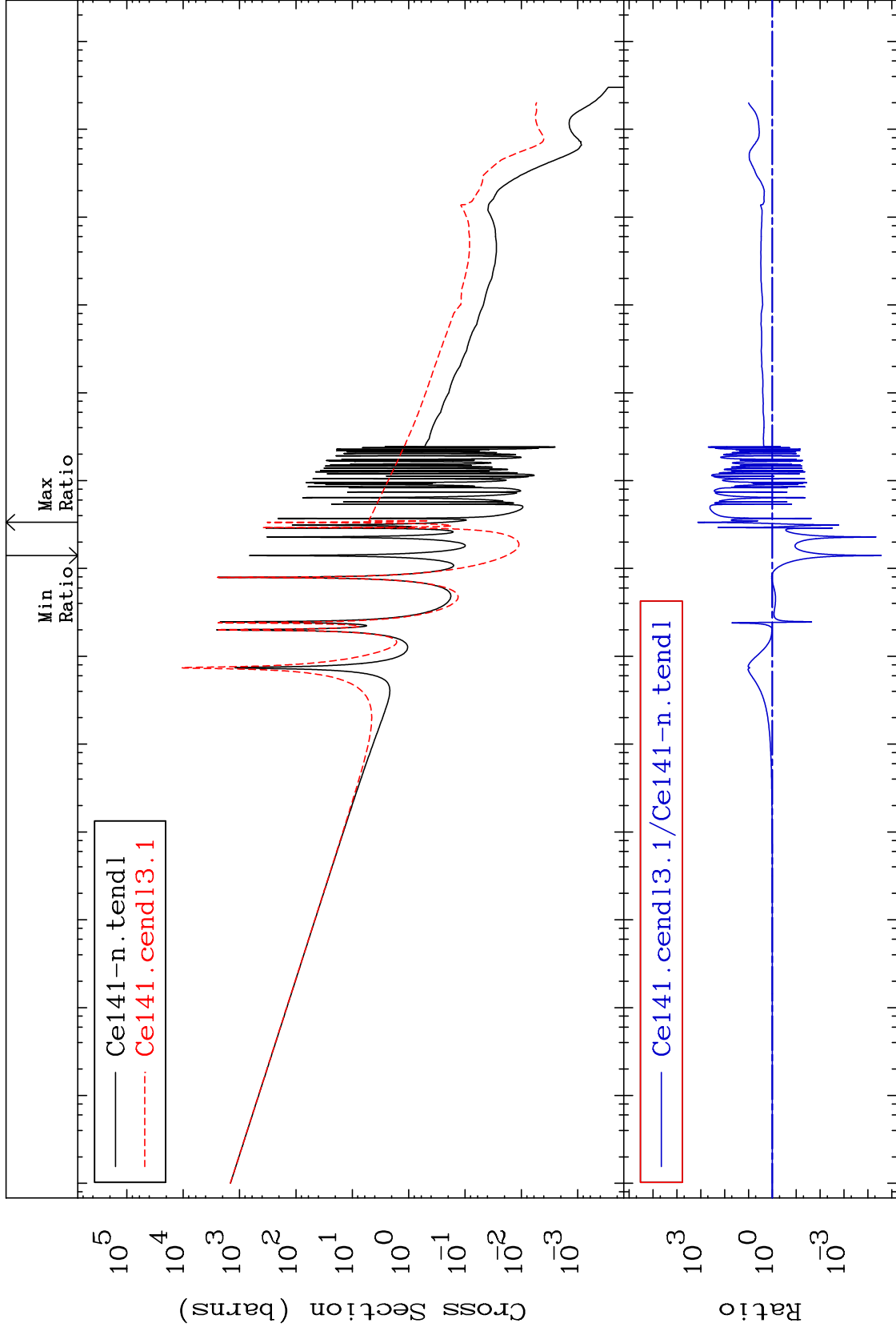
58-Ce-141
-48.91 To 101.4 %



MAT 5840

(n, γ)
Cross Section

58-Ce-141
-100.0 To 9999. %



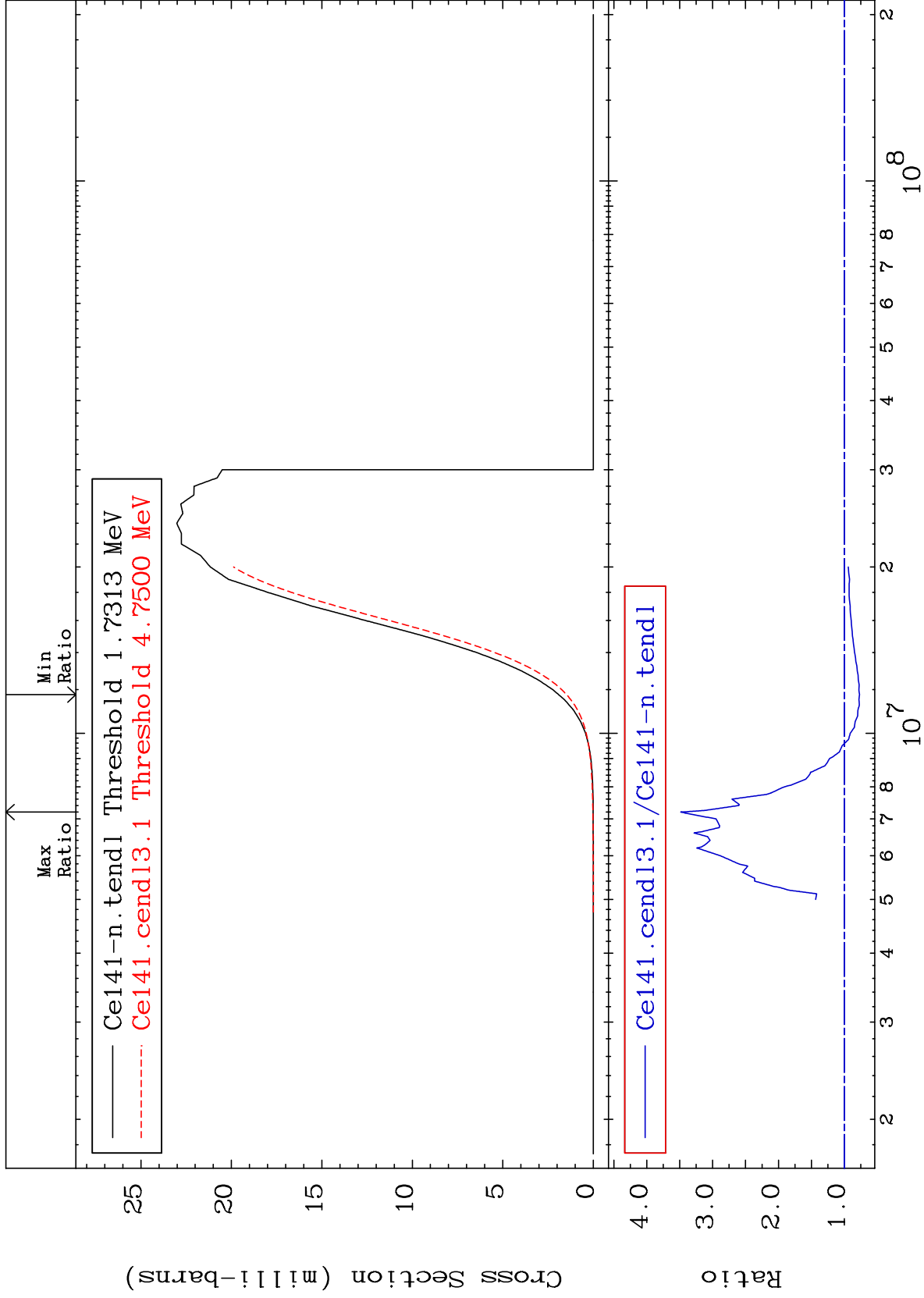
MAT 5840

(n,p)

58-Ce-141

Cross Section

-23.05 To 248.3 %



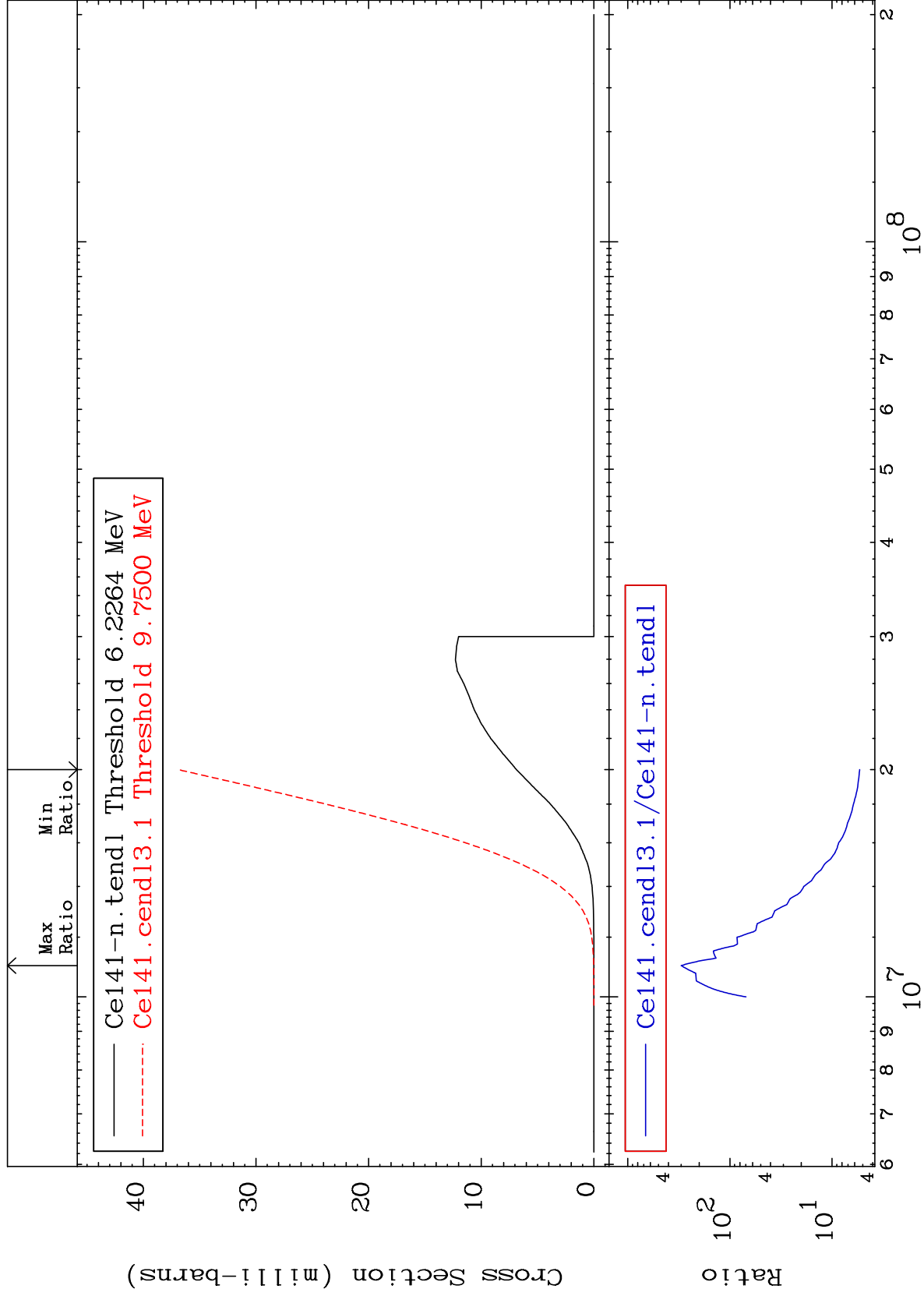
MAT 5840

(n, d)

58-Ce-141

Cross Section

437.2 To 9999. %



25

58-Ce-141

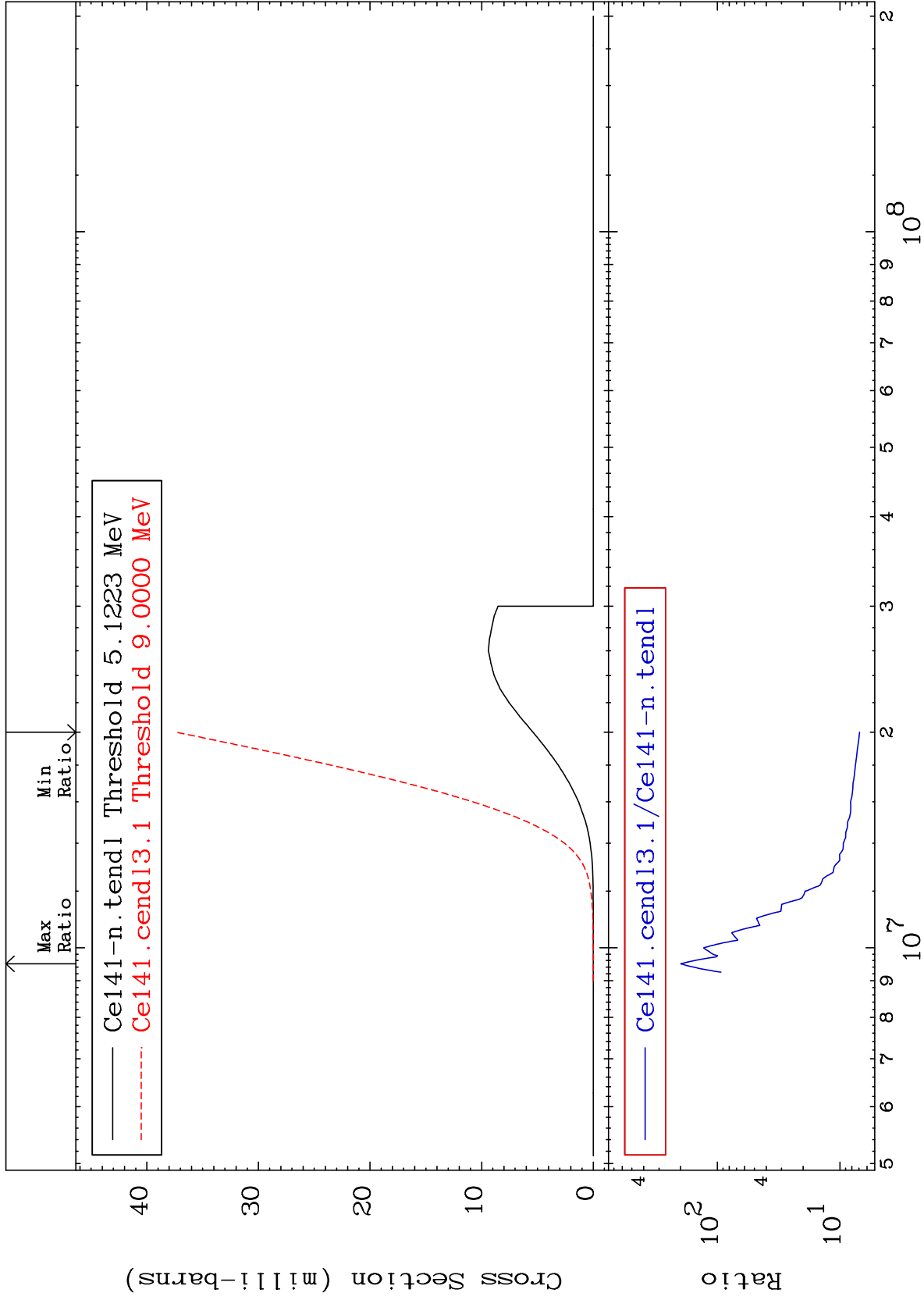
MAT 5840

(n, t)

58-Ce-141

Cross Section

591.7 To 9999. %



26

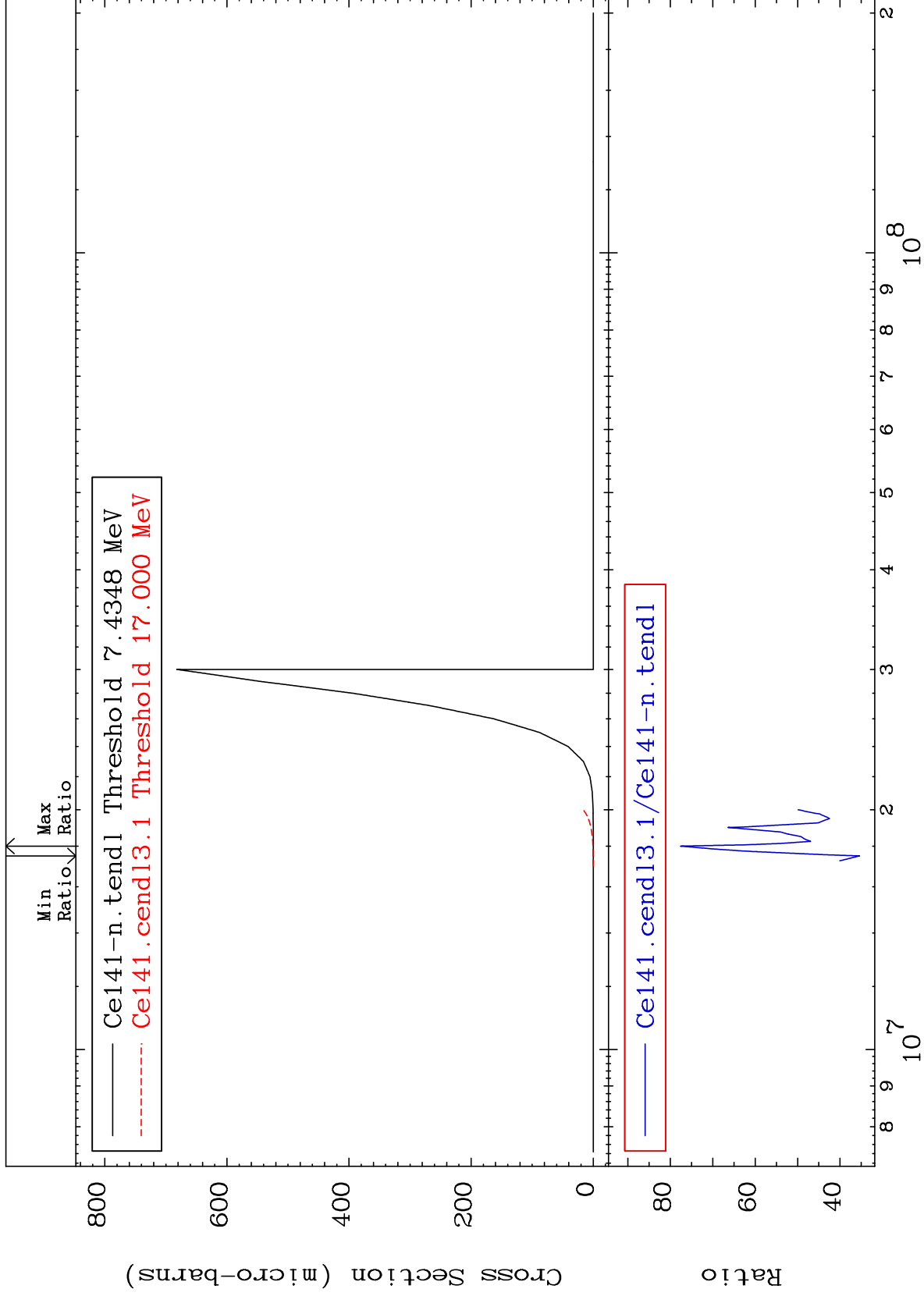
Incident Energy (eV)

58-Ce-141

MAT 5840

(n,He-3)
Cross Section

58-Ce-141
3441. To 7652. %



27

Incident Energy (eV)

58-Ce-141

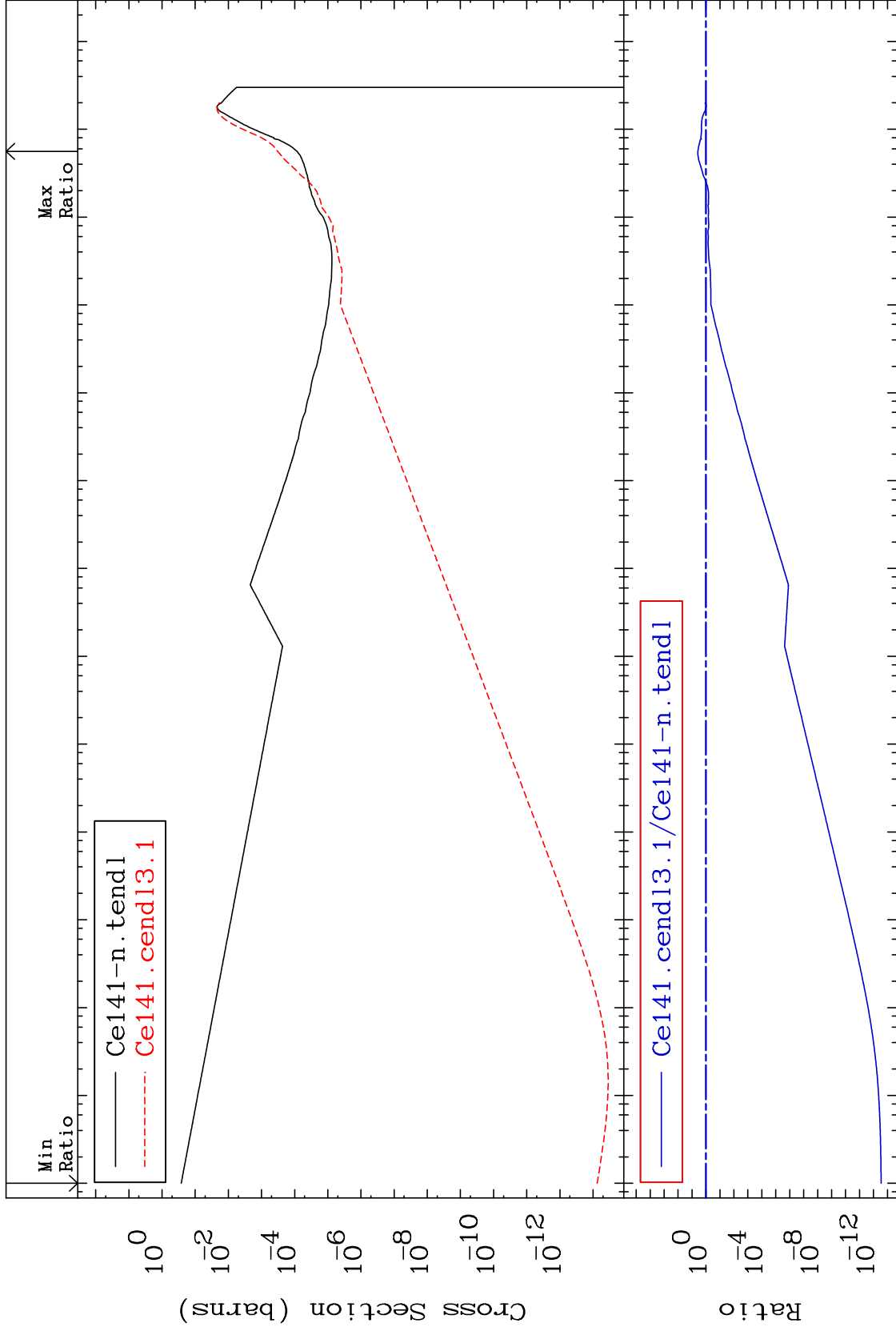
MAT 5840

(n, α)

58-Ce-141

Cross Section

-100.0 To 280.9 %



28

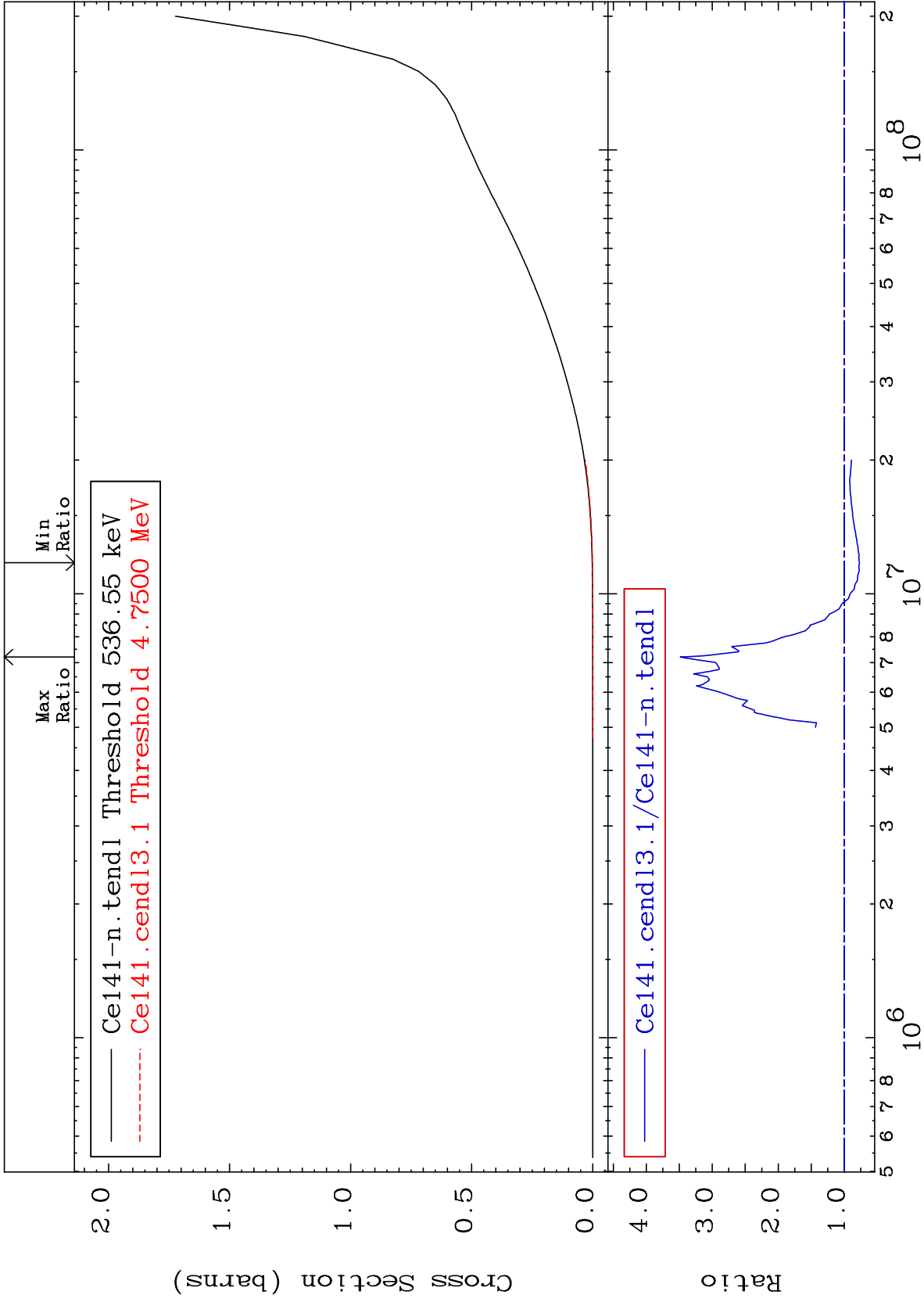
Incident Energy (eV)

58-Ce-141

MAT 5840

Hydrogen Production
Cross Section

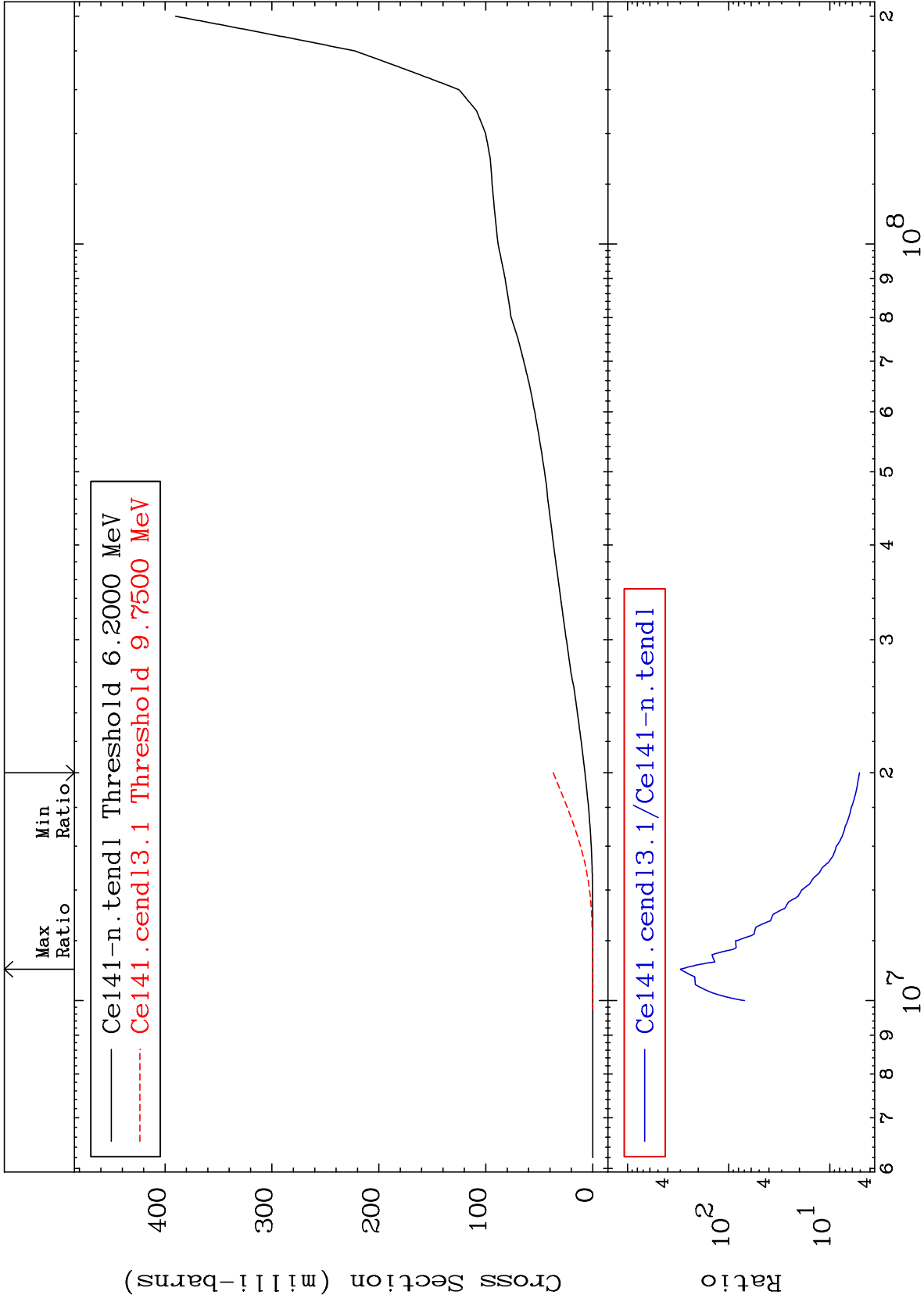
58-Ce-141
-23.06 To 248.3 %



MAT 5840

Deuterium Production
Cross Section

58-Ce-141
410.1 To 9999.1 %



30

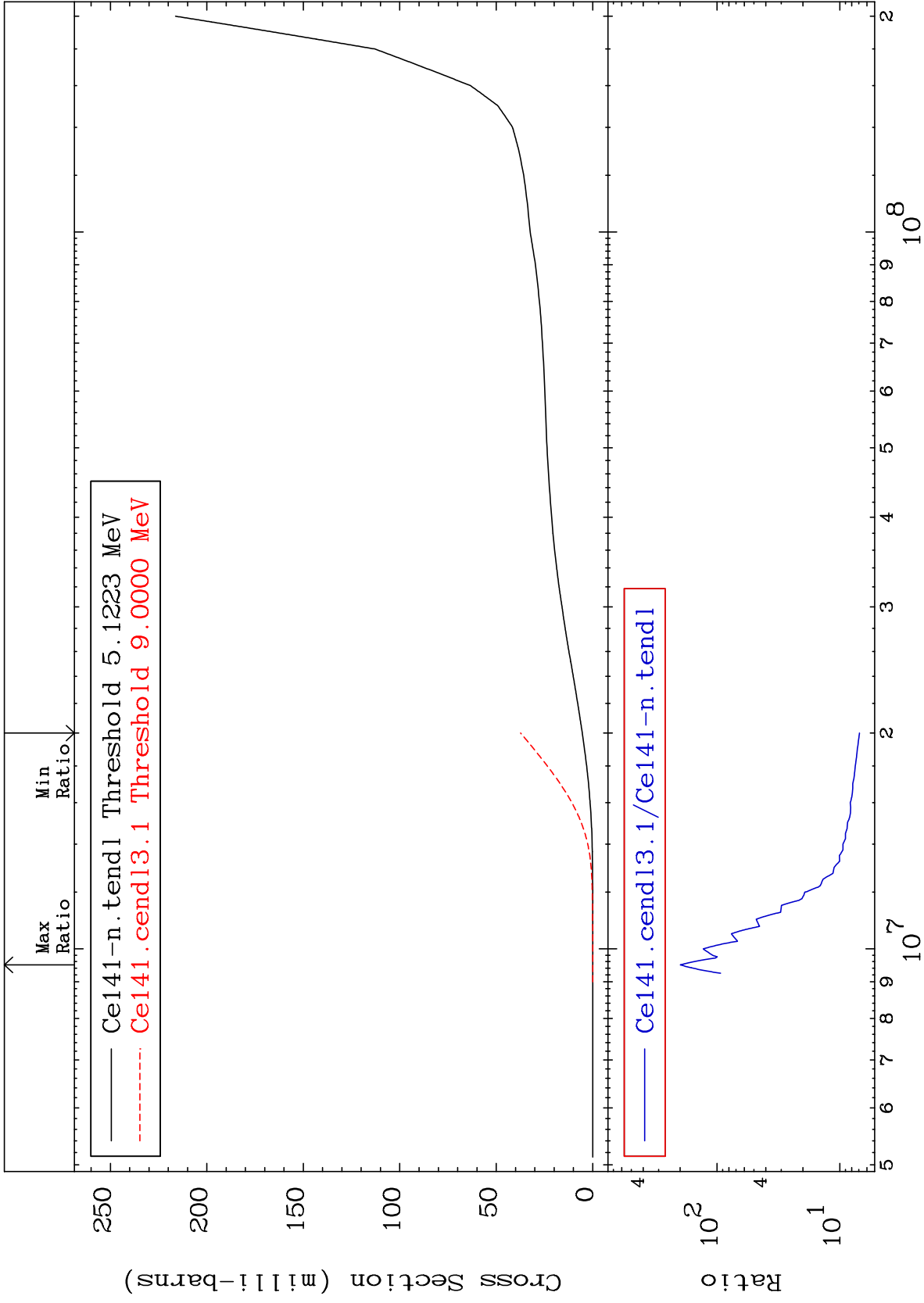
Incident Energy (eV)

58-Ce-141

MAT 5840

Tritium Production
Cross Section

58-Ce-141
591.1 To 9999. %



31

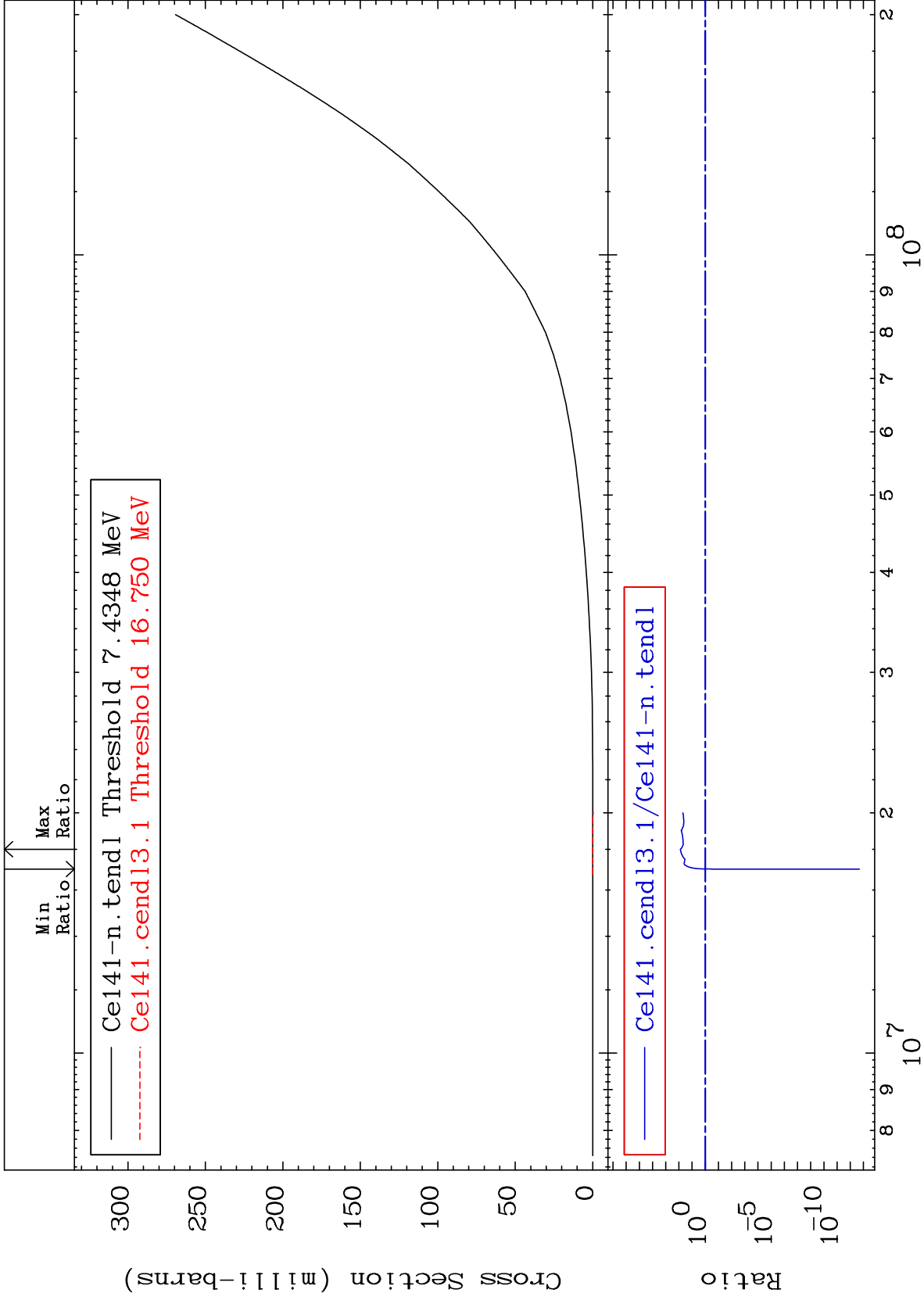
Incident Energy (eV)

58-Ce-141

MAT 5840

He-3 Production
Cross Section

58-Ce-141
-100.0 To 7652. %



32

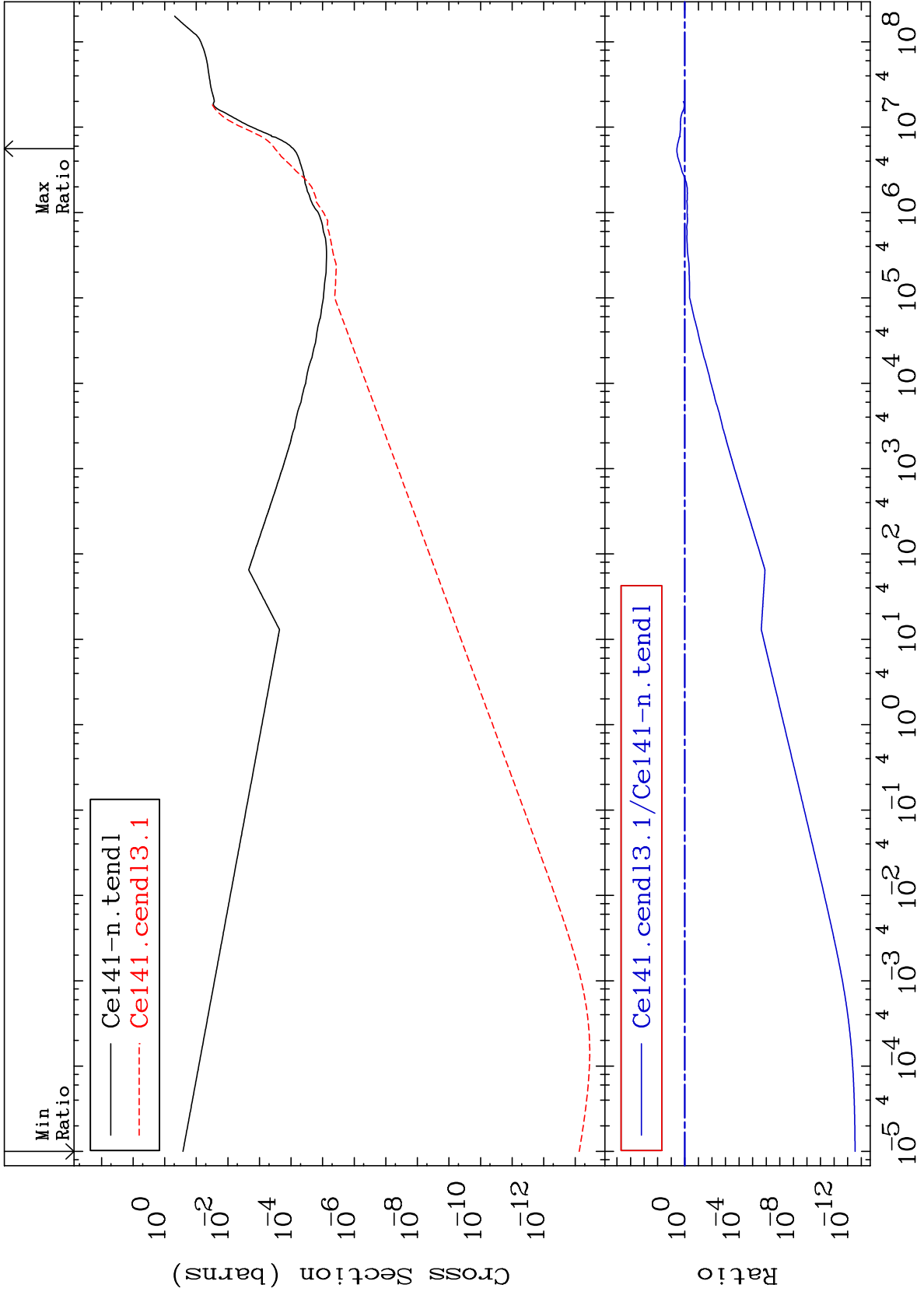
Incident Energy (eV)

58-Ce-141

MAT 5840

He-4 Production
Cross Section

58-Ce-141
-100.0 To 280.9 %



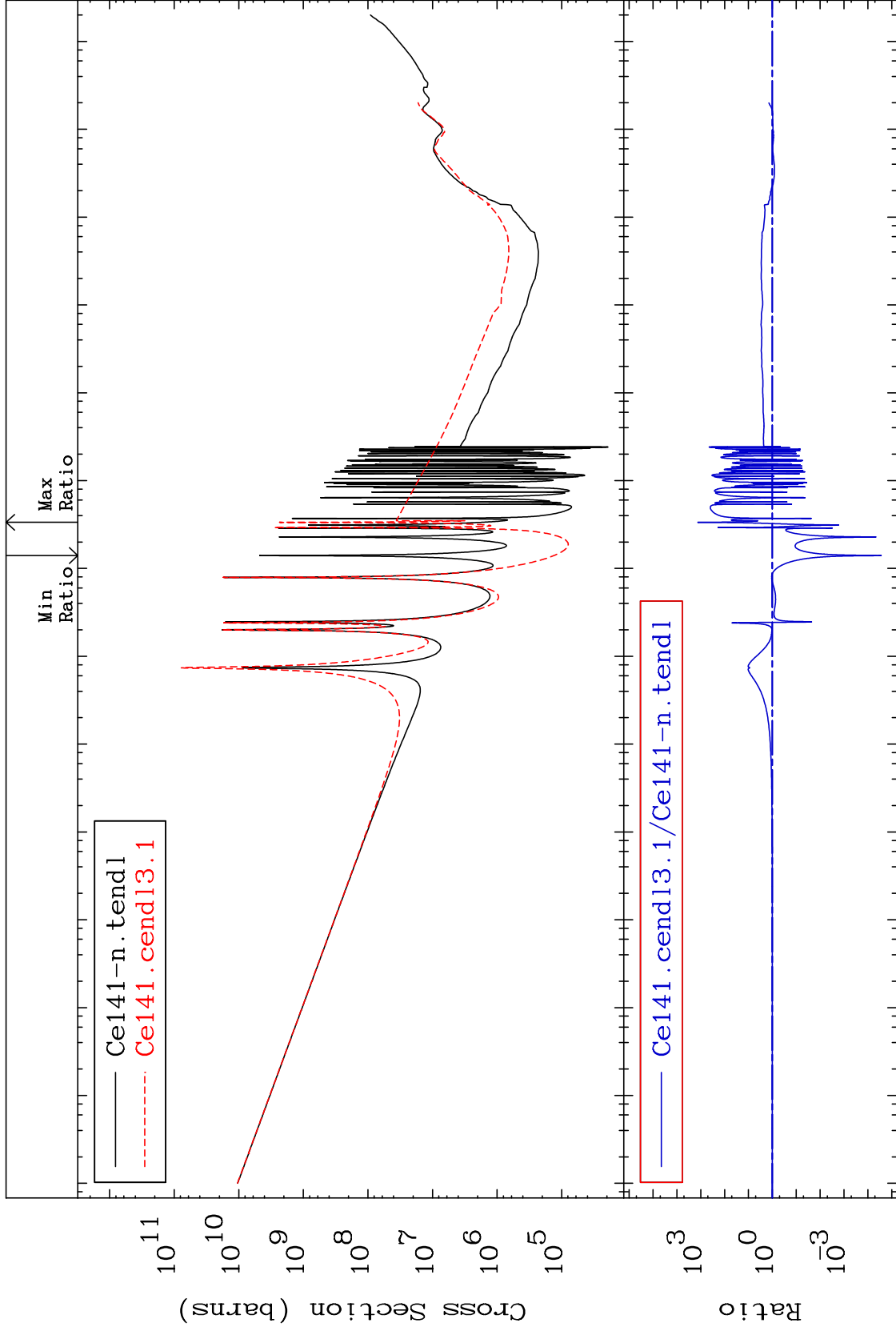
MAT 5840

Kerma total (eV-barns)

58-Ce-141

-100.0 To 9999. %

Cross Section



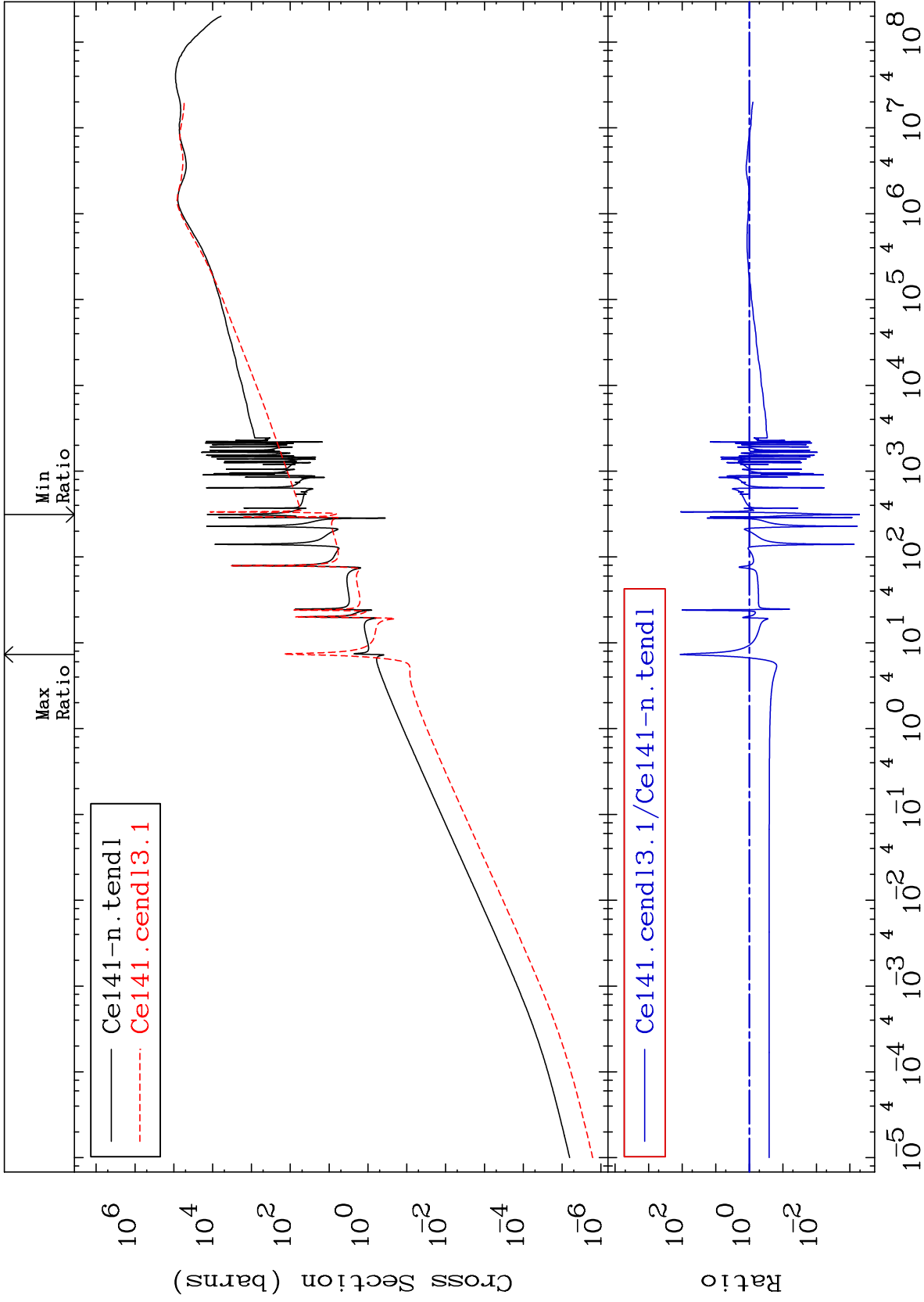
— Ce141-n.tendl
- - - Ce141.cendl3.1

— Ce141.cendl3.1/Ce141-n.tendl

MAT 5840

Kerma elastic
Cross Section

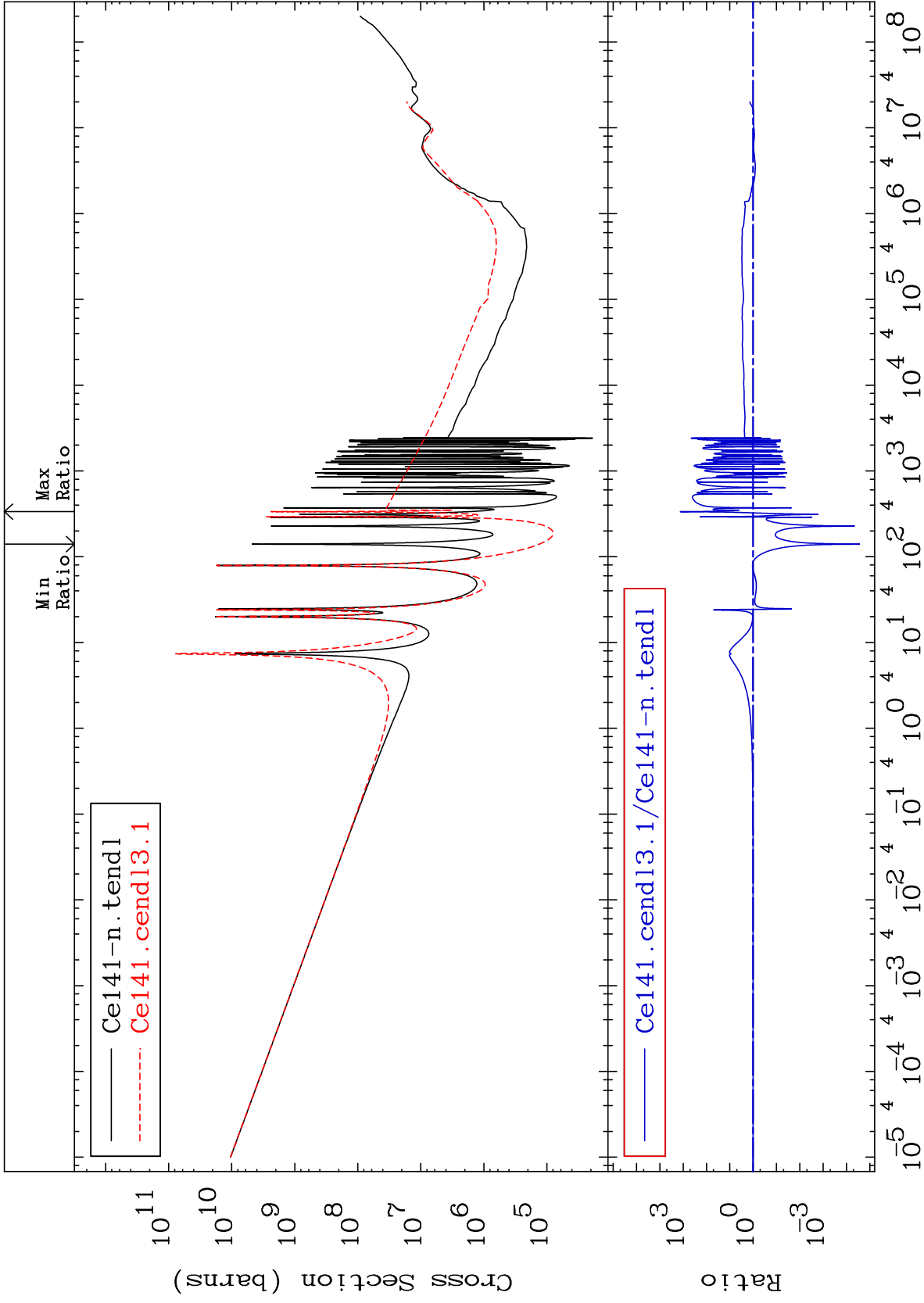
58-Ce-141
-99.95 To 9999. %



35

Incident Energy (eV)

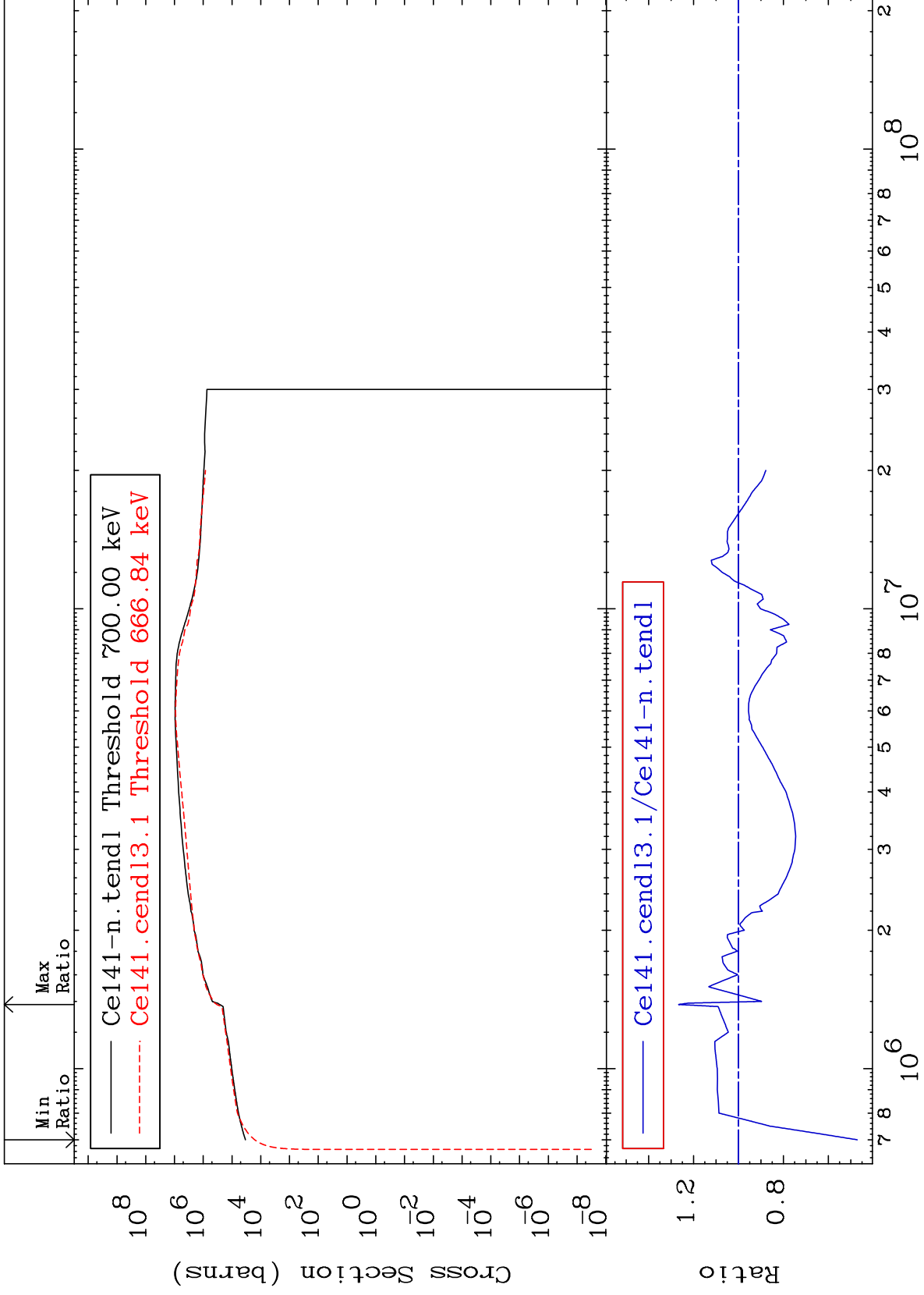
58-Ce-141



MAT 5840

Kerma inelastic (mt51-91)
Cross Section

58-Ce-141
-52.88 To 26.62 %



37

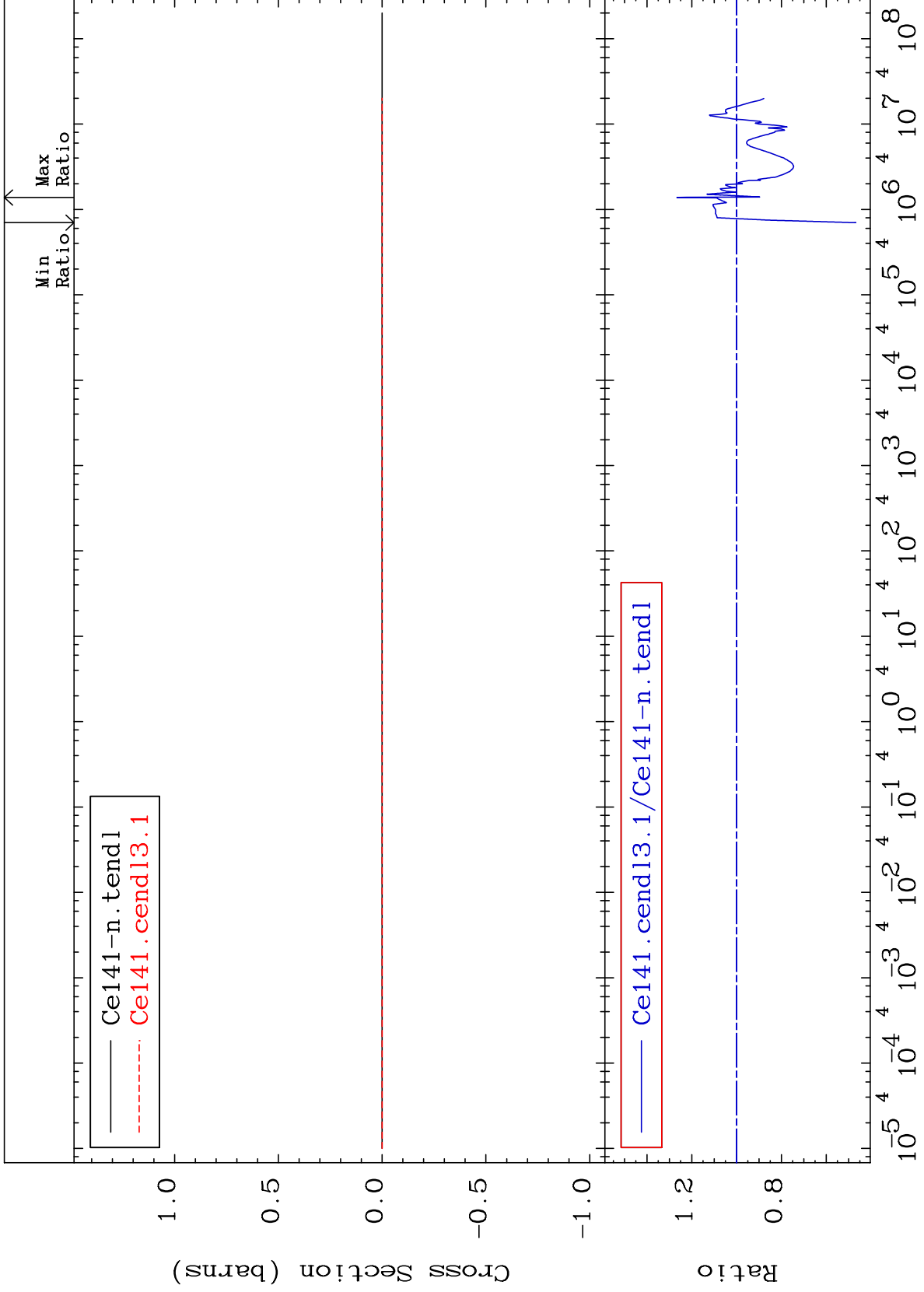
Incident Energy (eV)

58-Ce-141

MAT 5840

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

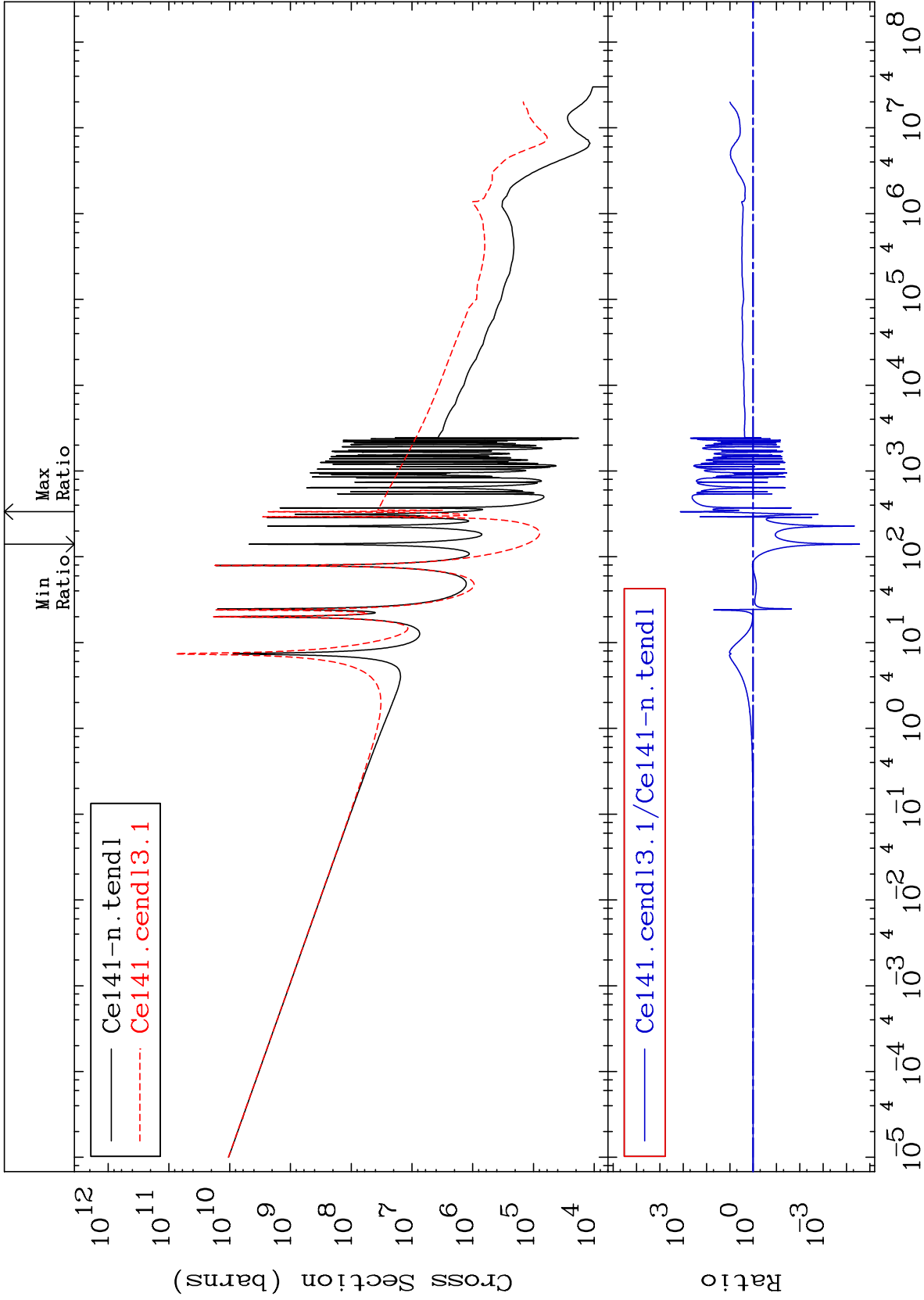
58-Ce-141
-52.88 To 26.62 %



38

Incident Energy (eV)

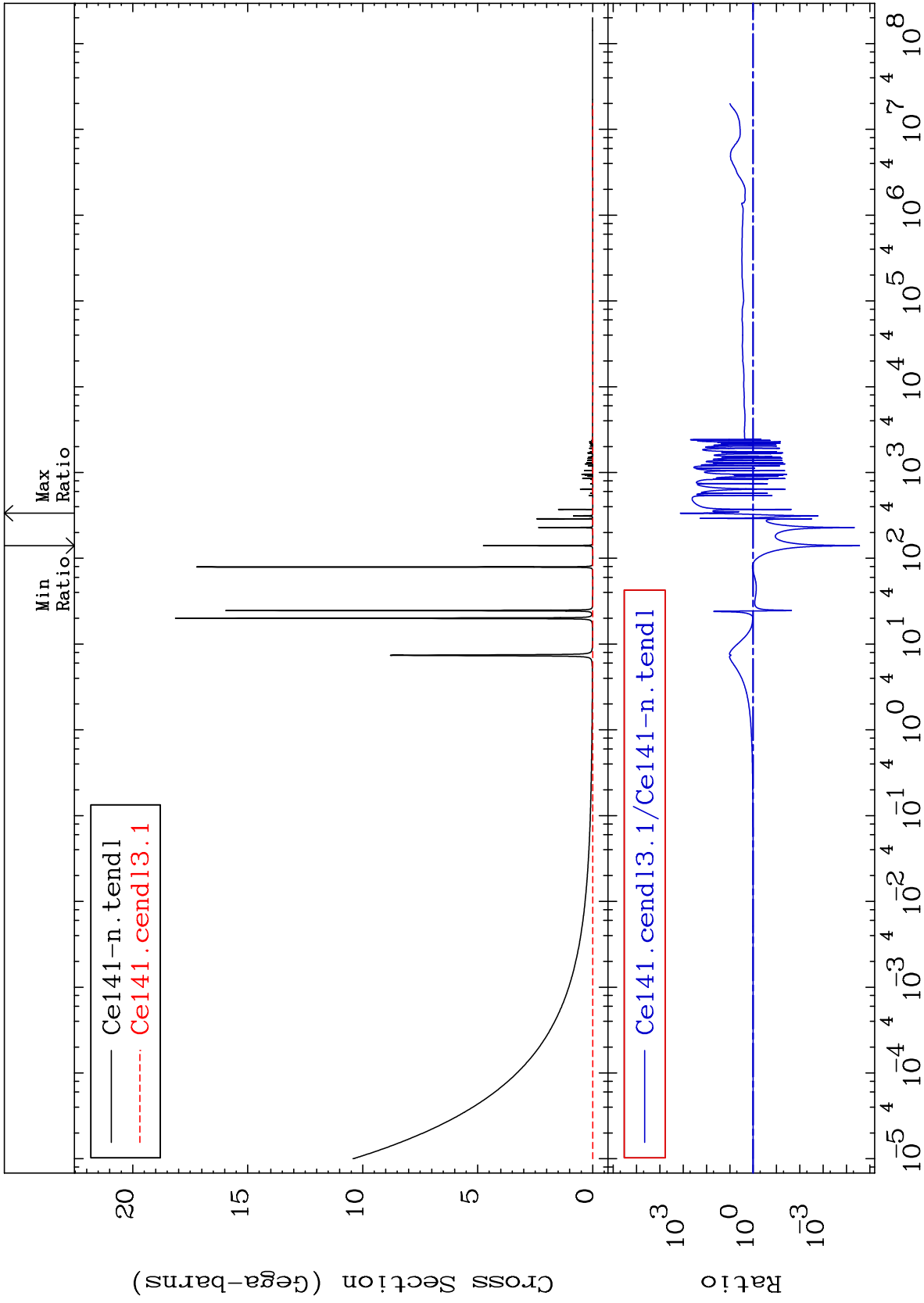
58-Ce-141



MAT 5840

Total photon (eV-barns)
Cross Section

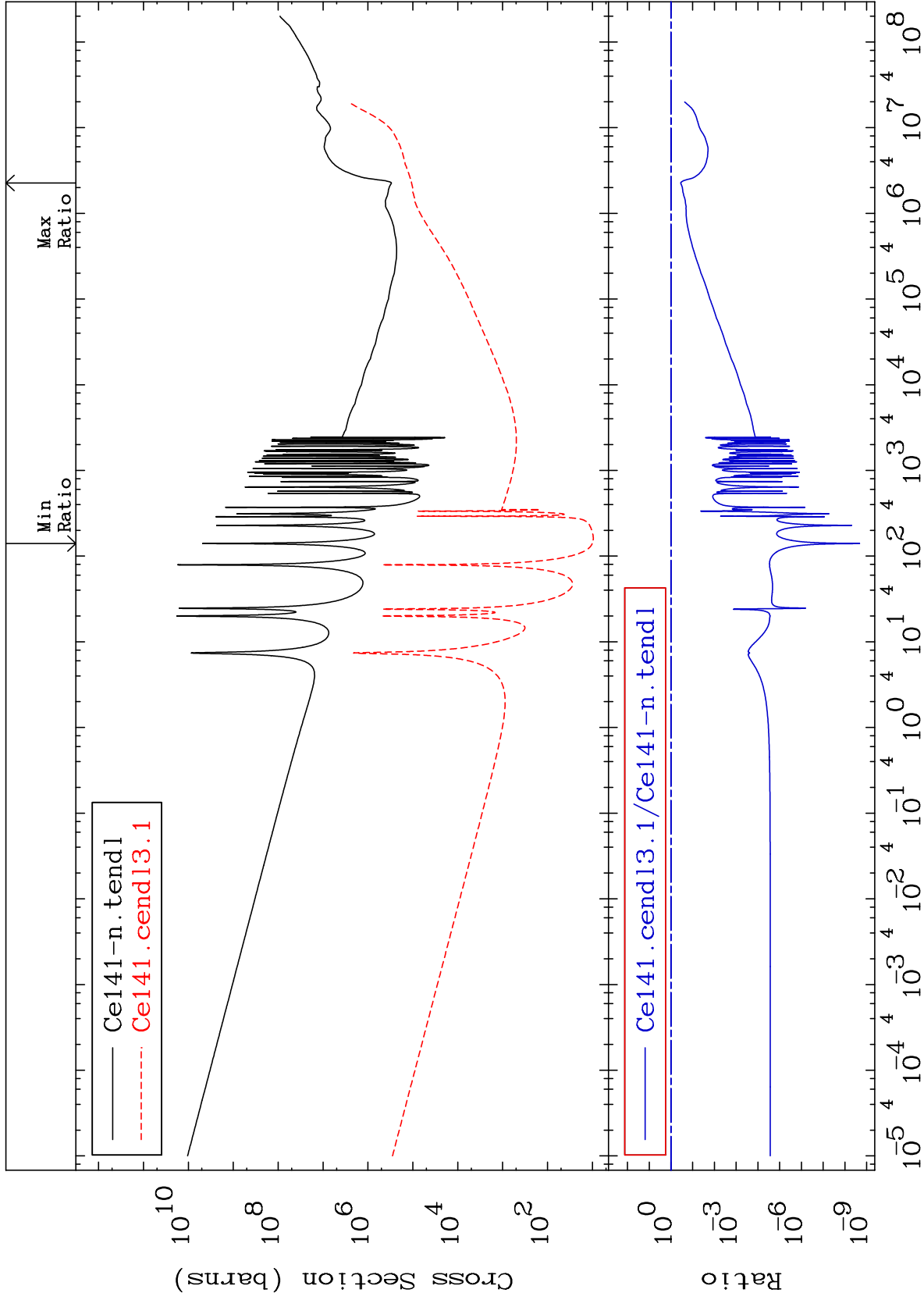
58-Ce-141
-100.0 To 9999. %



40

Incident Energy (eV)

58-Ce-141



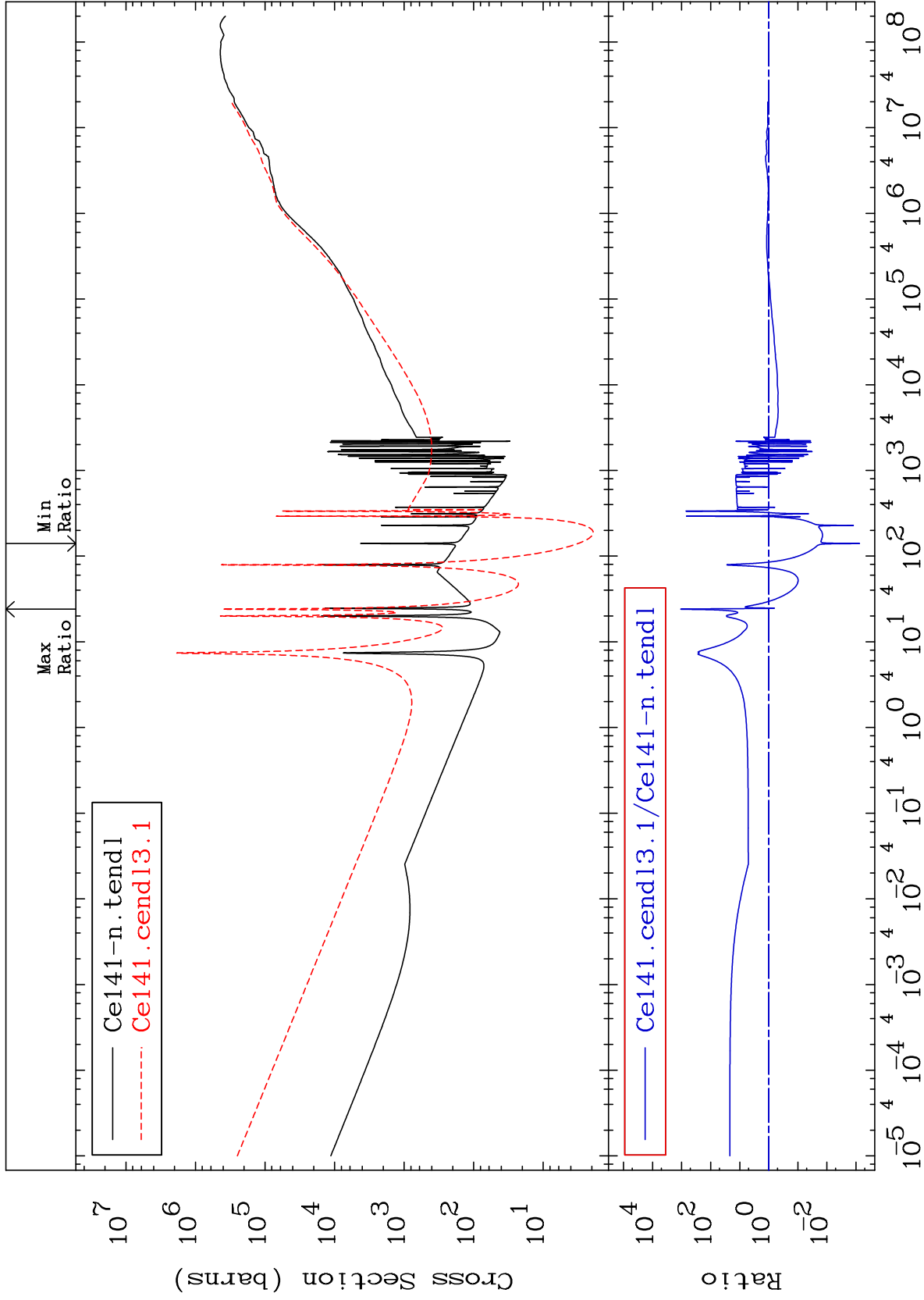
MAT 5840

Dpa total (eV-barns)

58-Ce-141

-99.92 To 9999. %

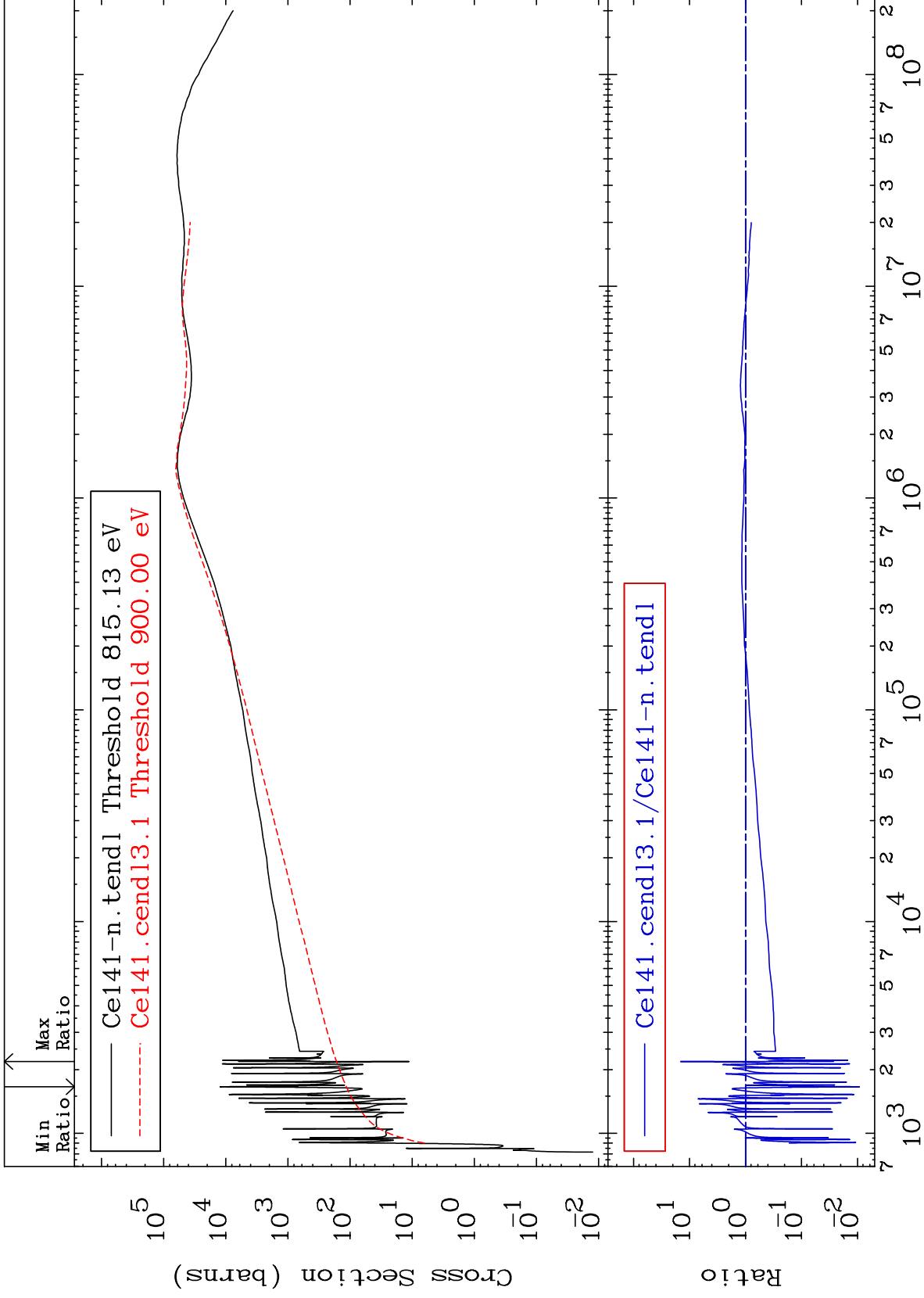
Cross Section



MAT 5840

Dpa elastic (mt2)
Cross Section

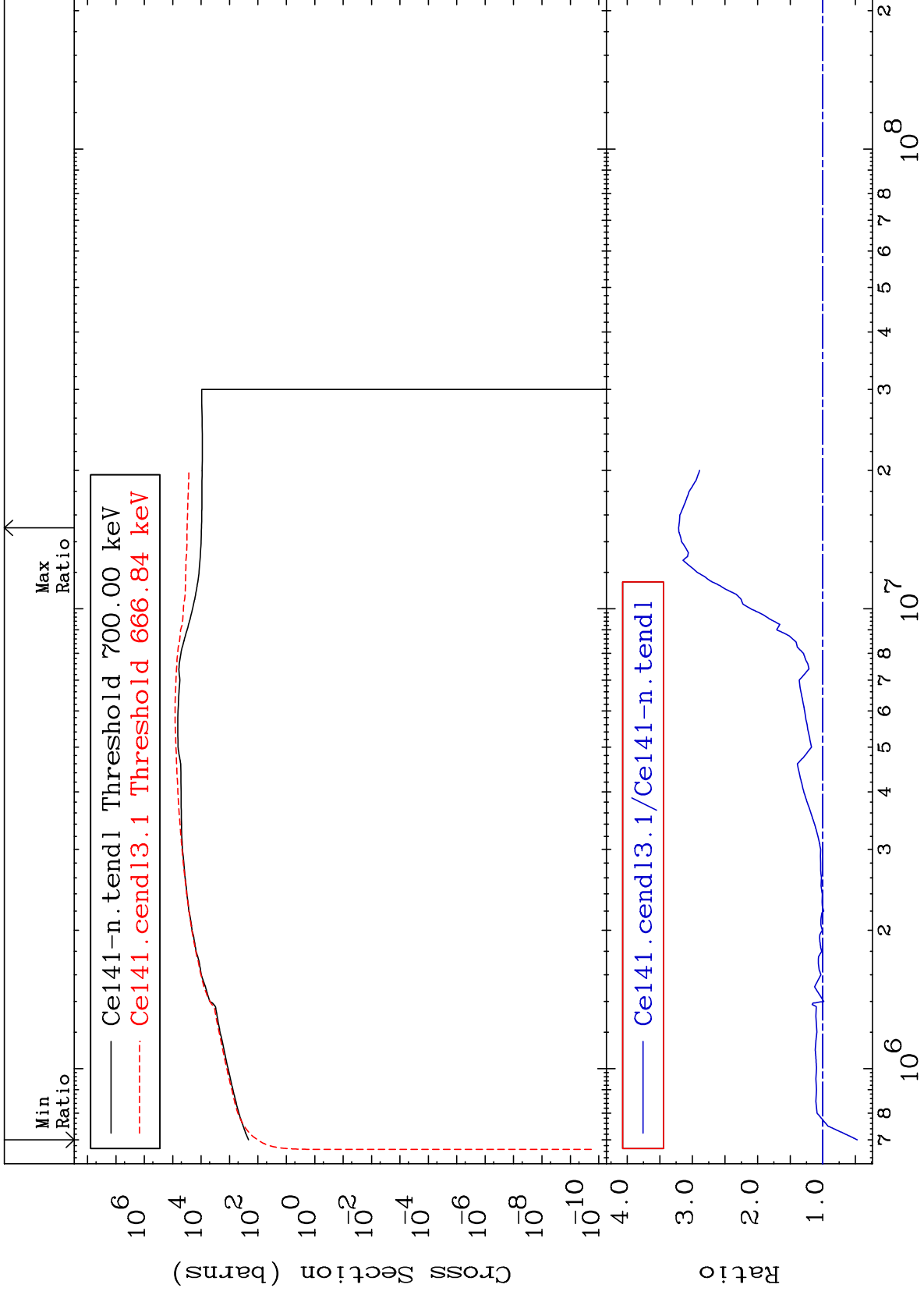
58-Ce-141
-99.08 To 1360. %



43

Incident Energy (eV)

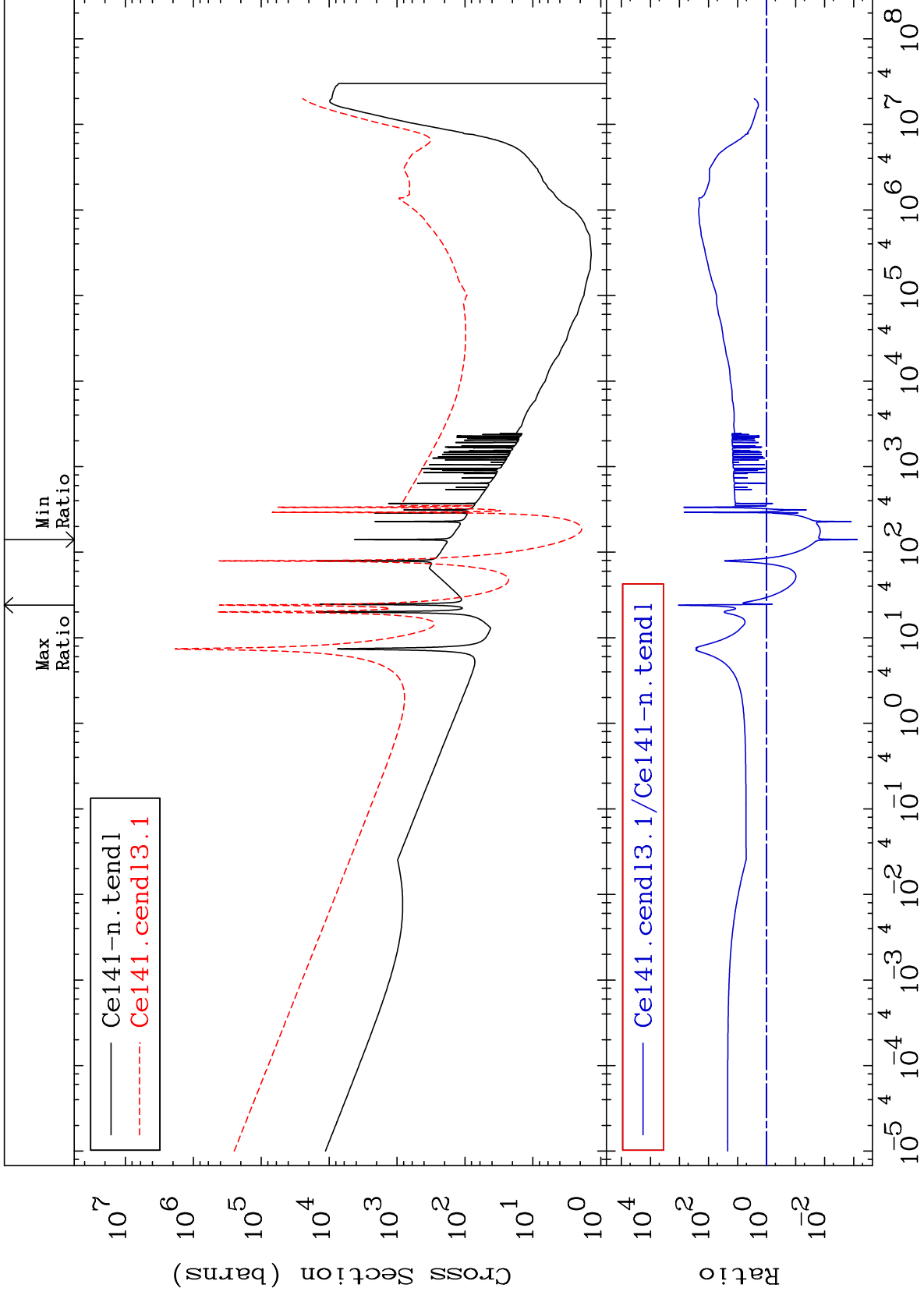
58-Ce-141



MAT 5840

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-141
-99.92 To 9999. %



45

Incident Energy (eV)

58-Ce-141