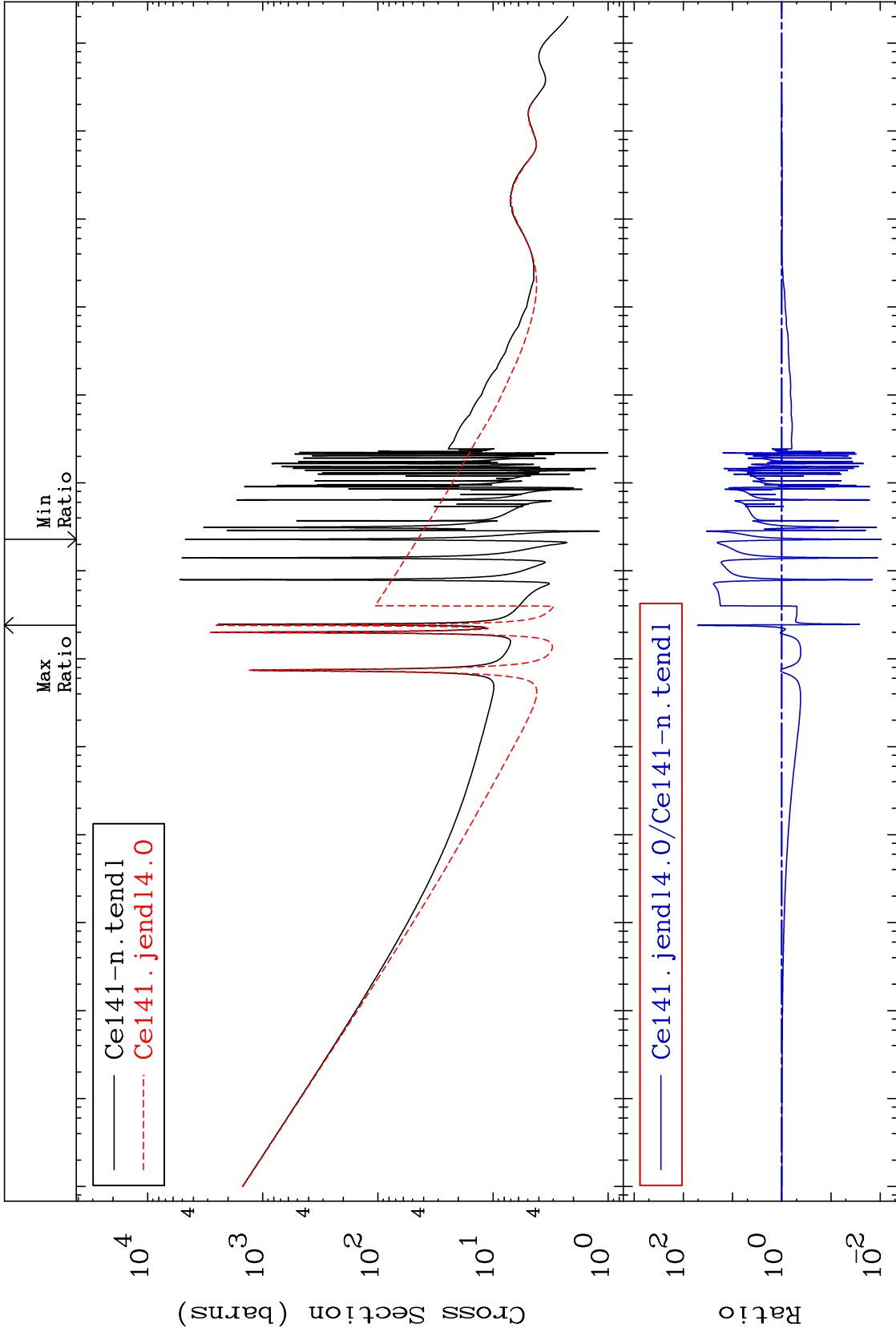


MAT 5840

Total
Cross Section

58-Ce-141
-99.04 To 5063. %



58-Ce-141

58-Ce-141

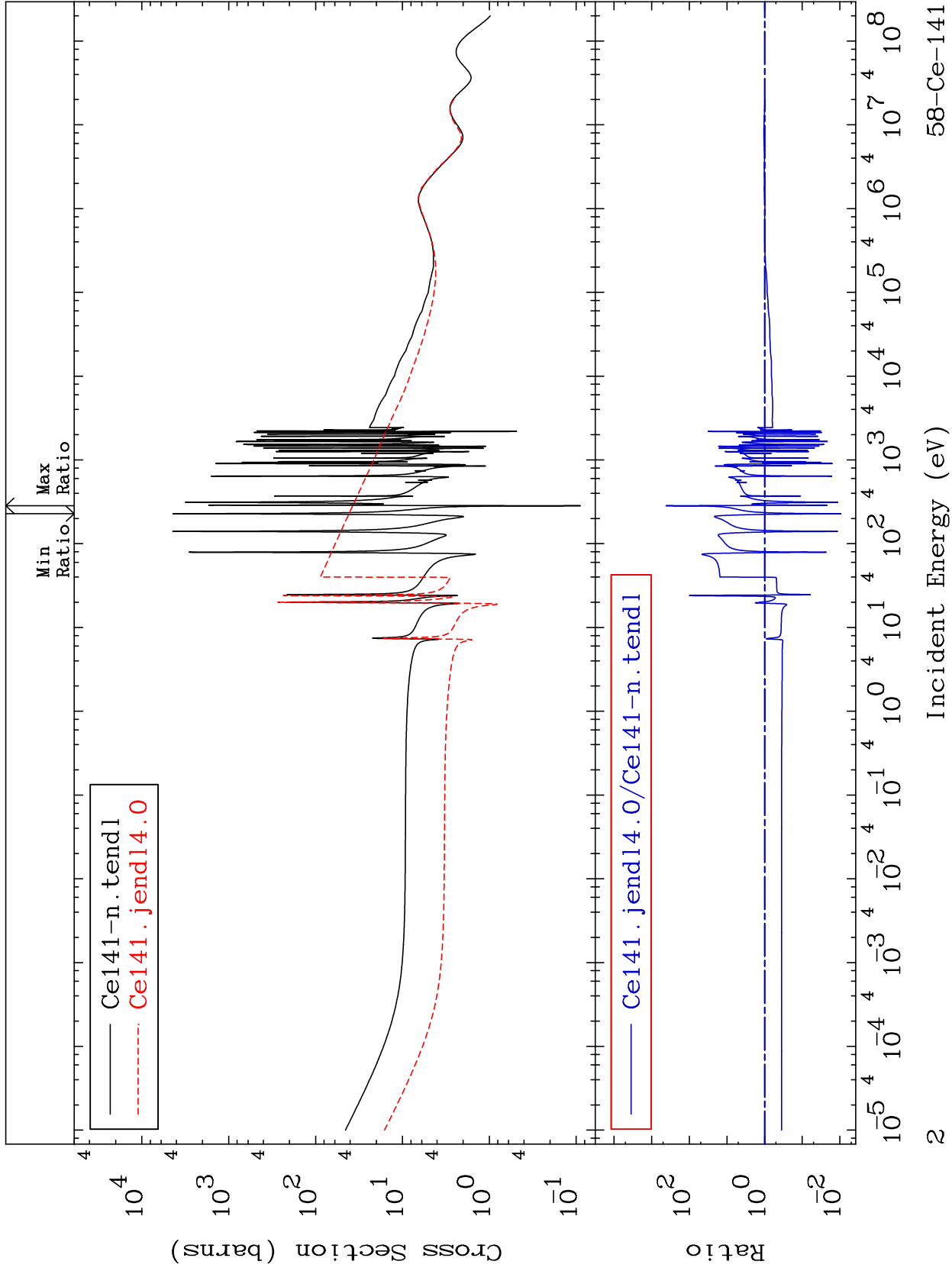
MAT 5840

Elastic

58-Ce-141

Cross Section

-99.06 To 9999. %



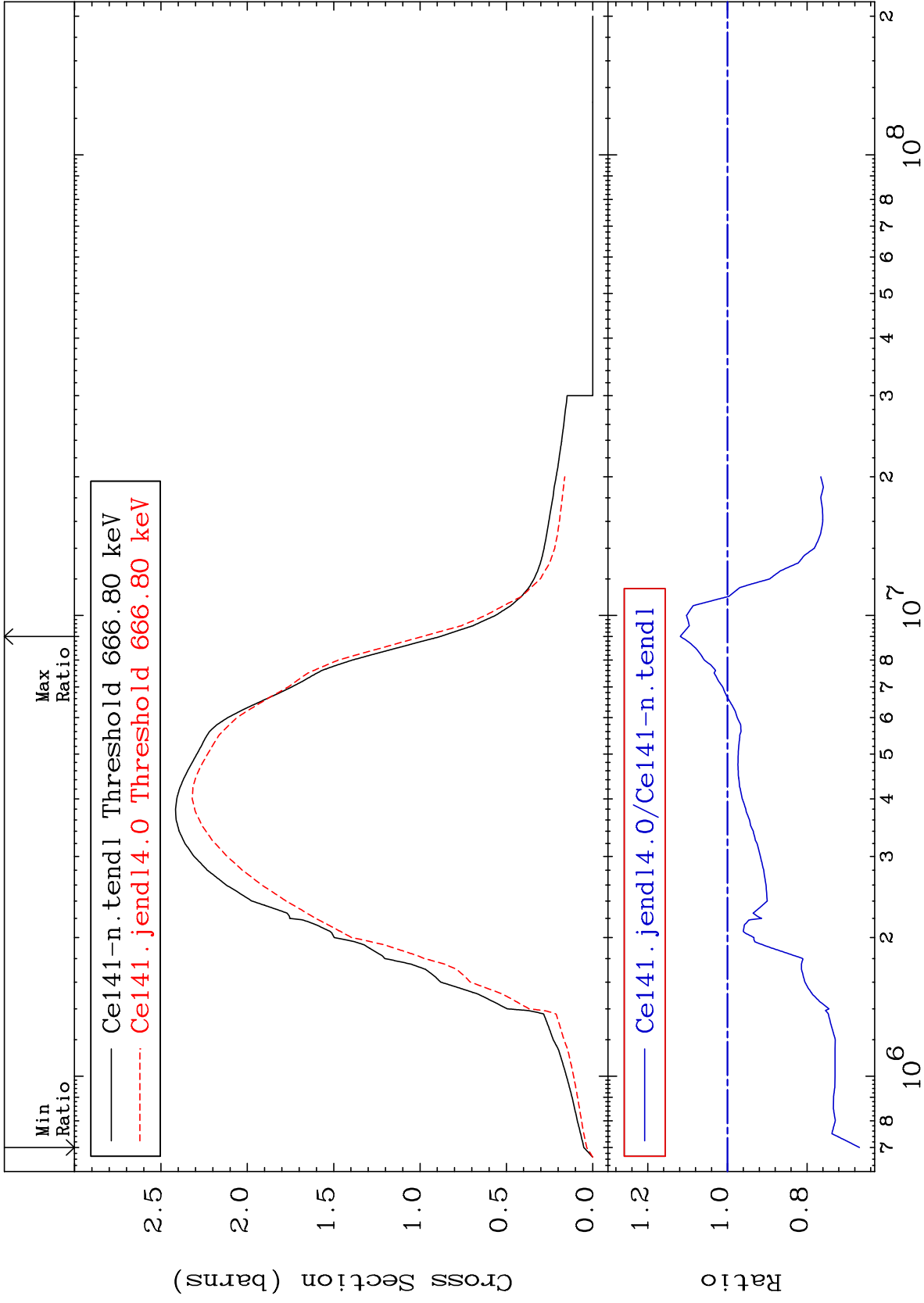
Incident Energy (eV)

58-Ce-141

MAT 5840

Inelastic
Cross Section

58-Ce-141
-33.17 To 11.82 %



3

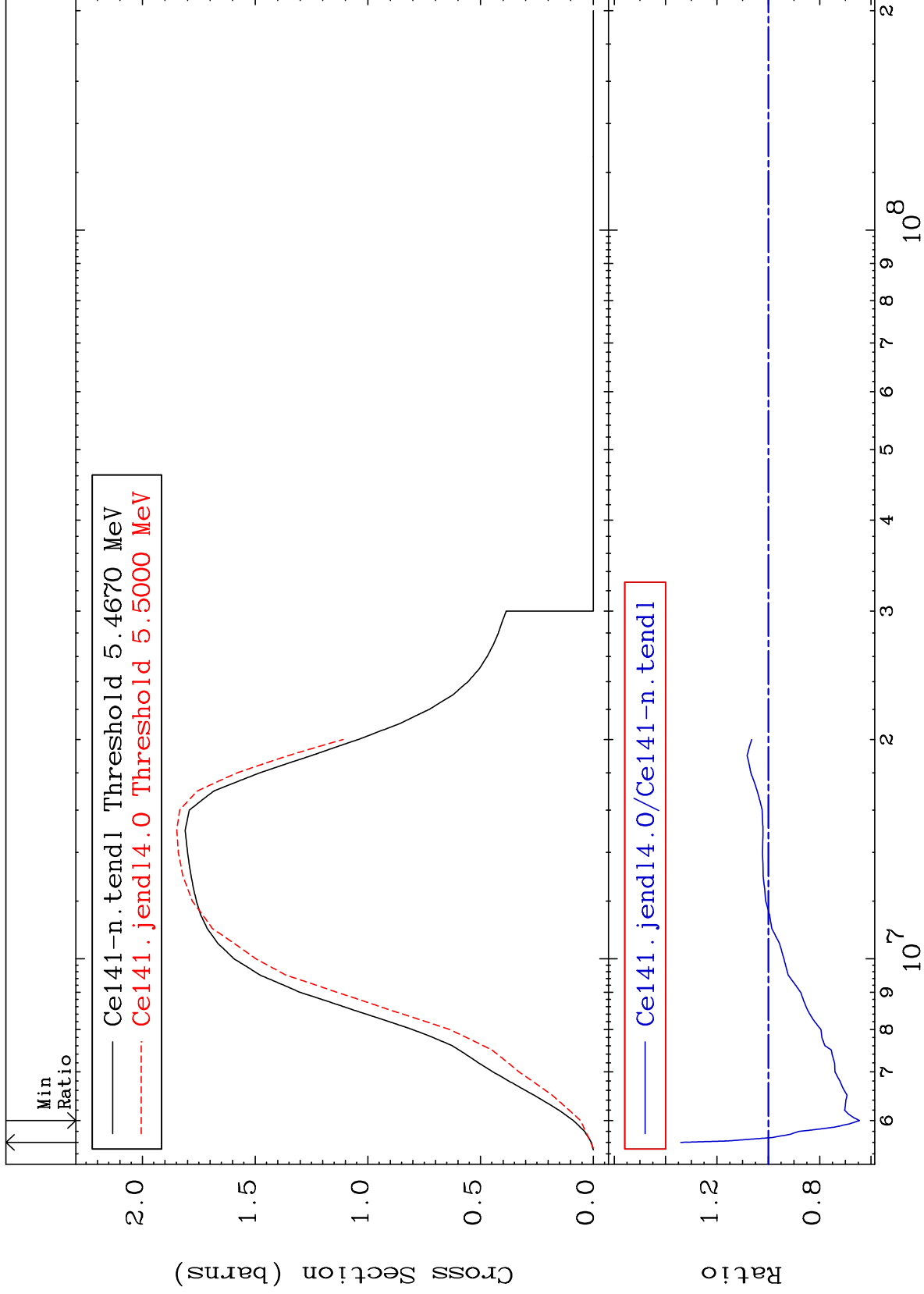
58-Ce-141

58-Ce-141

MAT 5840

(n,2n)
Cross Section

58-Ce-141
-35.52 To 34.09 %



4

58-Ce-141

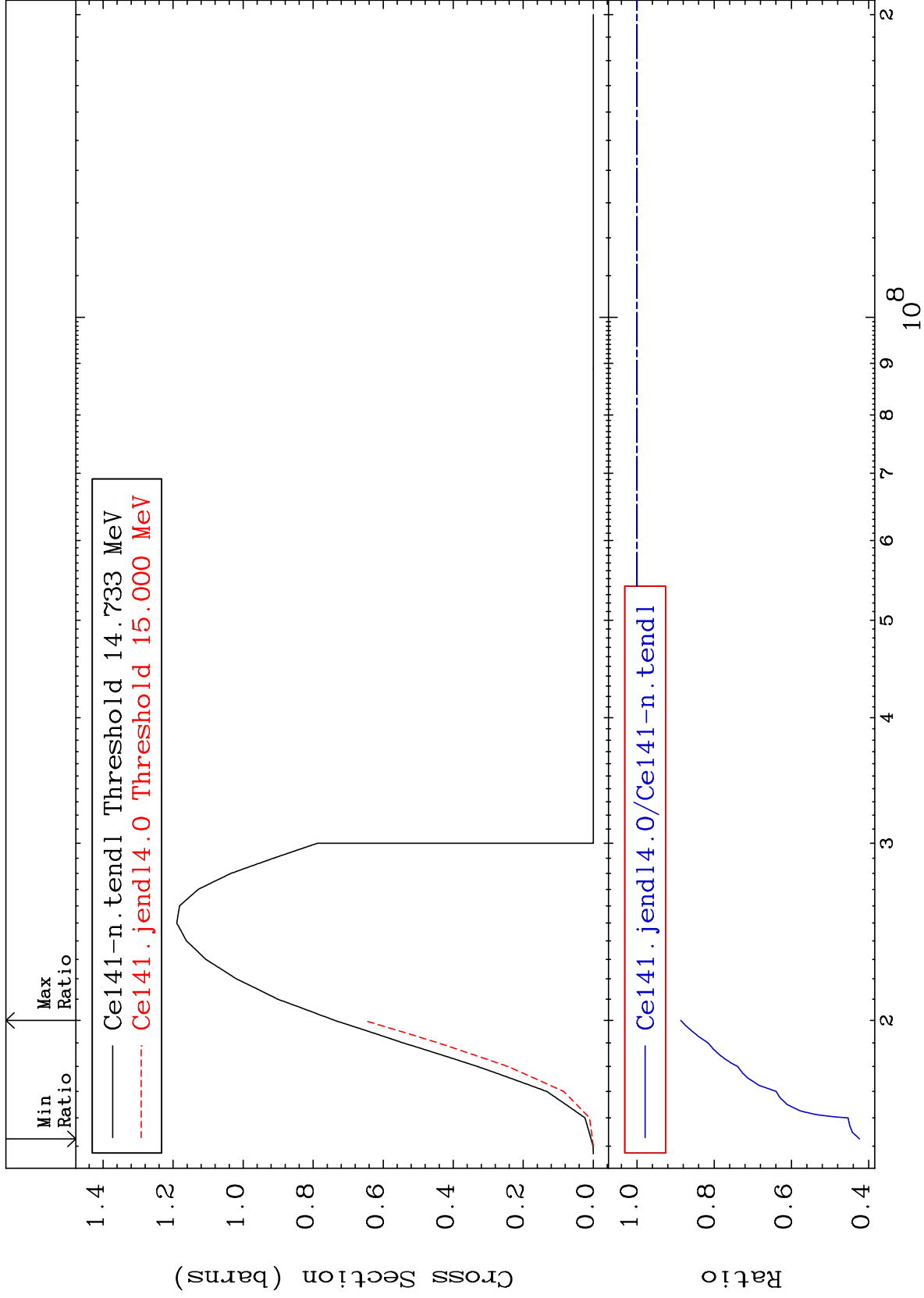
MAT 5840

(n,3n)

58-Ce-141

Cross Section

-57.64 To -11.35%

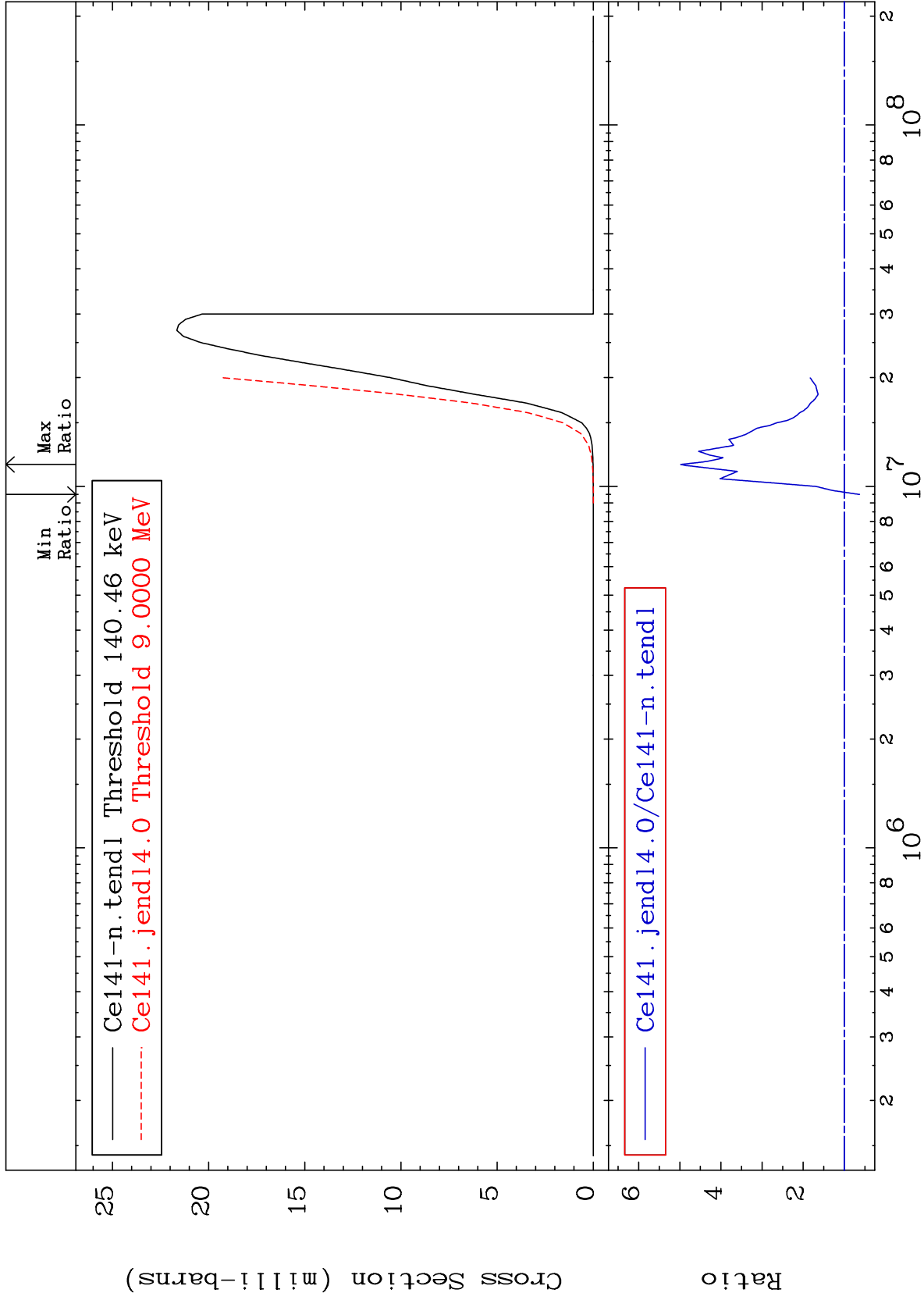


MAT 5840

(n, n') α
Cross Section

58-Ce-141

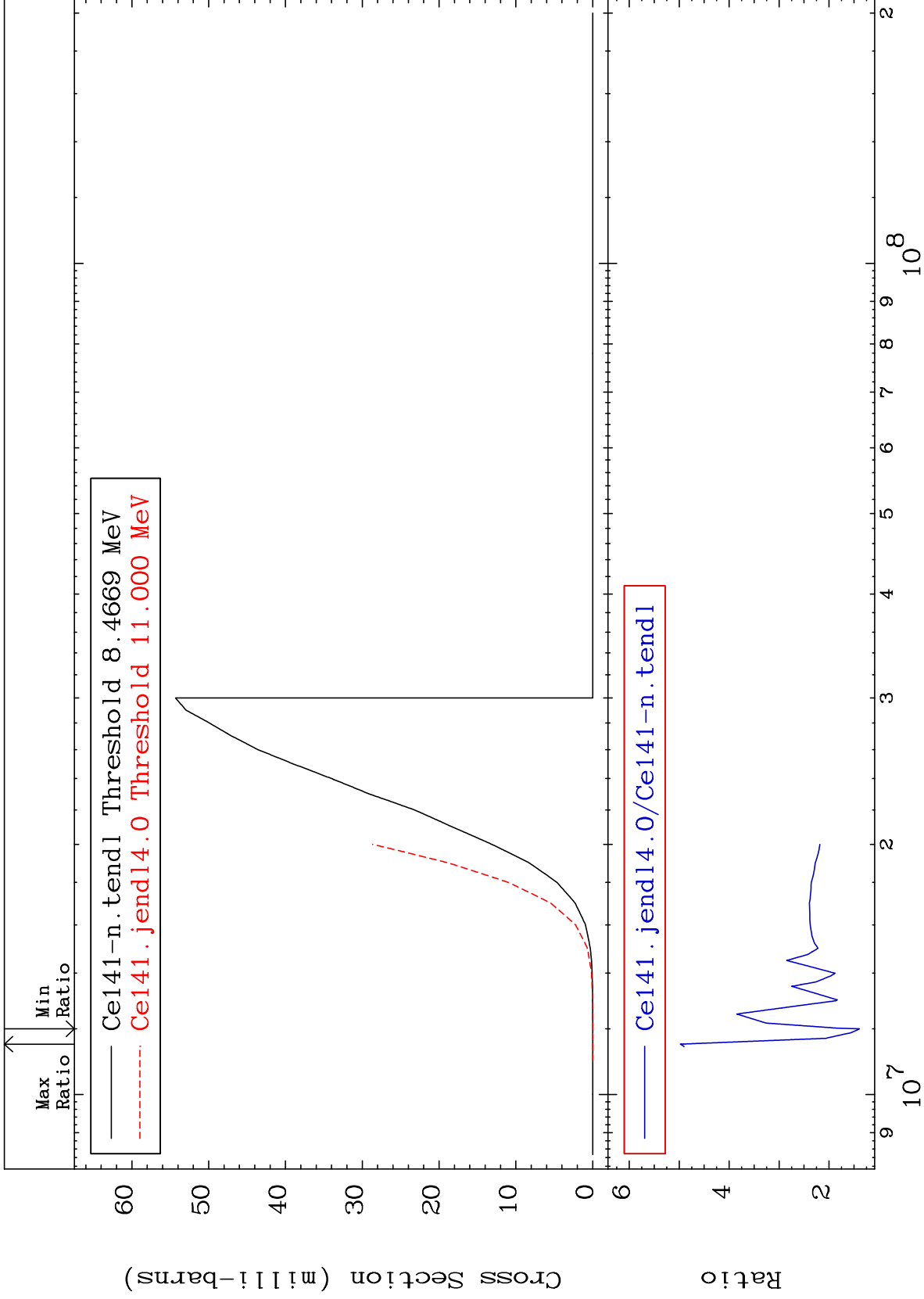
-36.96 To 397.7 %



MAT 5840

(n,n') p
Cross Section

58-Ce-141
39.11 To 397.7 %



7

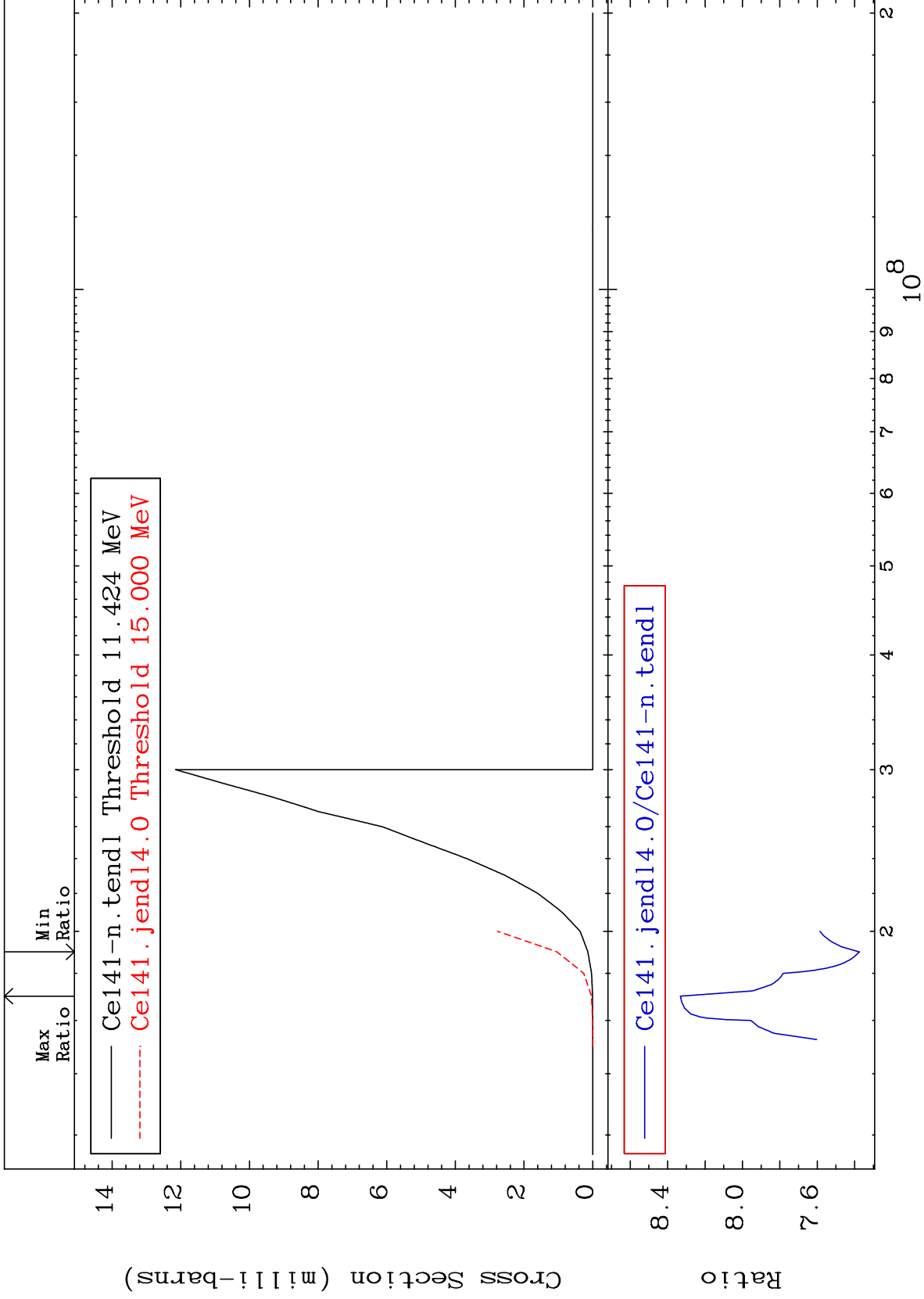
Incident Energy (eV)

58-Ce-141

MAT 5840

(n,n') d
Cross Section

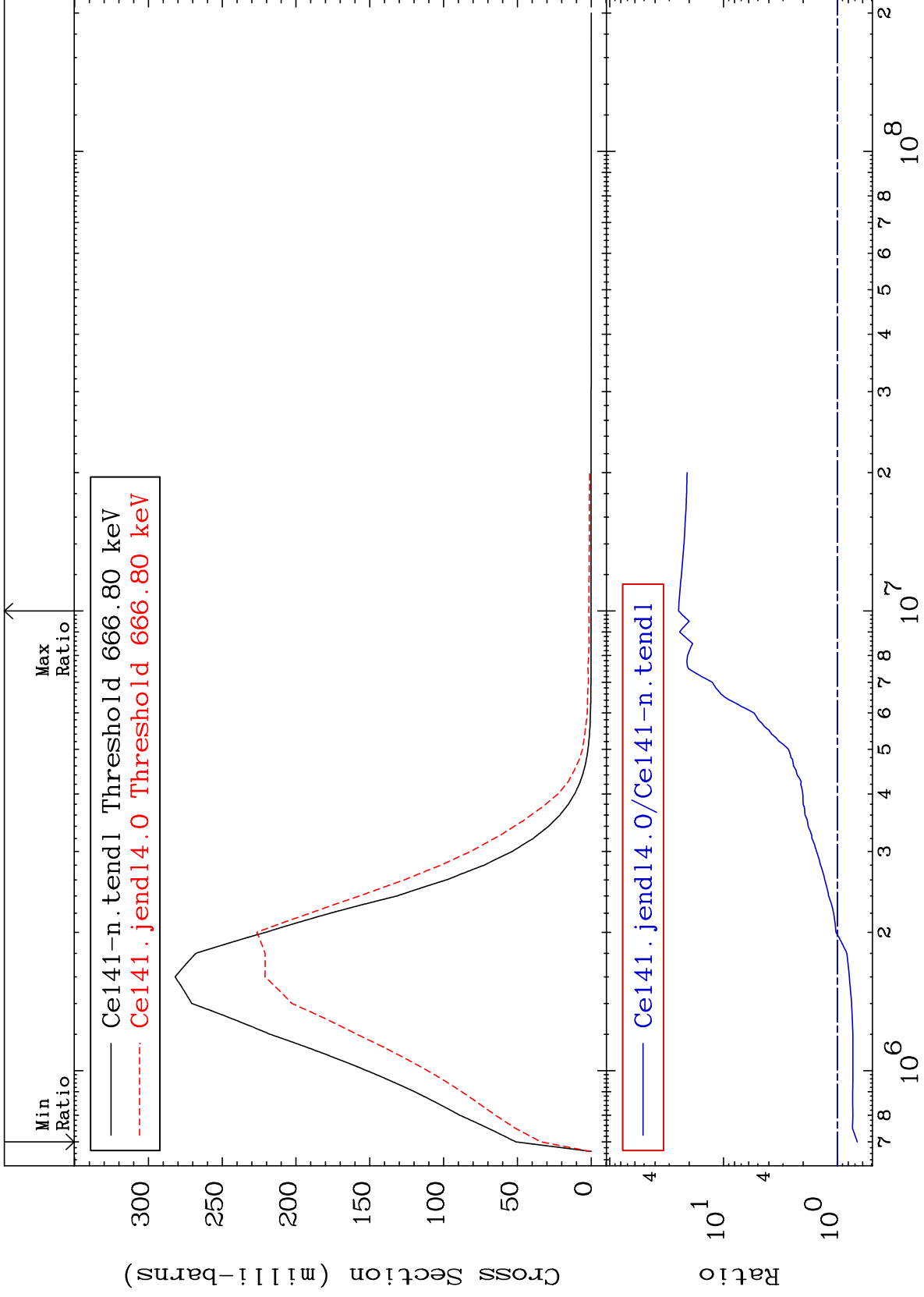
58-Ce-141
637.4 To 733.2 %



MAT 5840

662.1 keV (n,n') Level
Cross Section

58-Ce-141
-33.17 To 2380. %



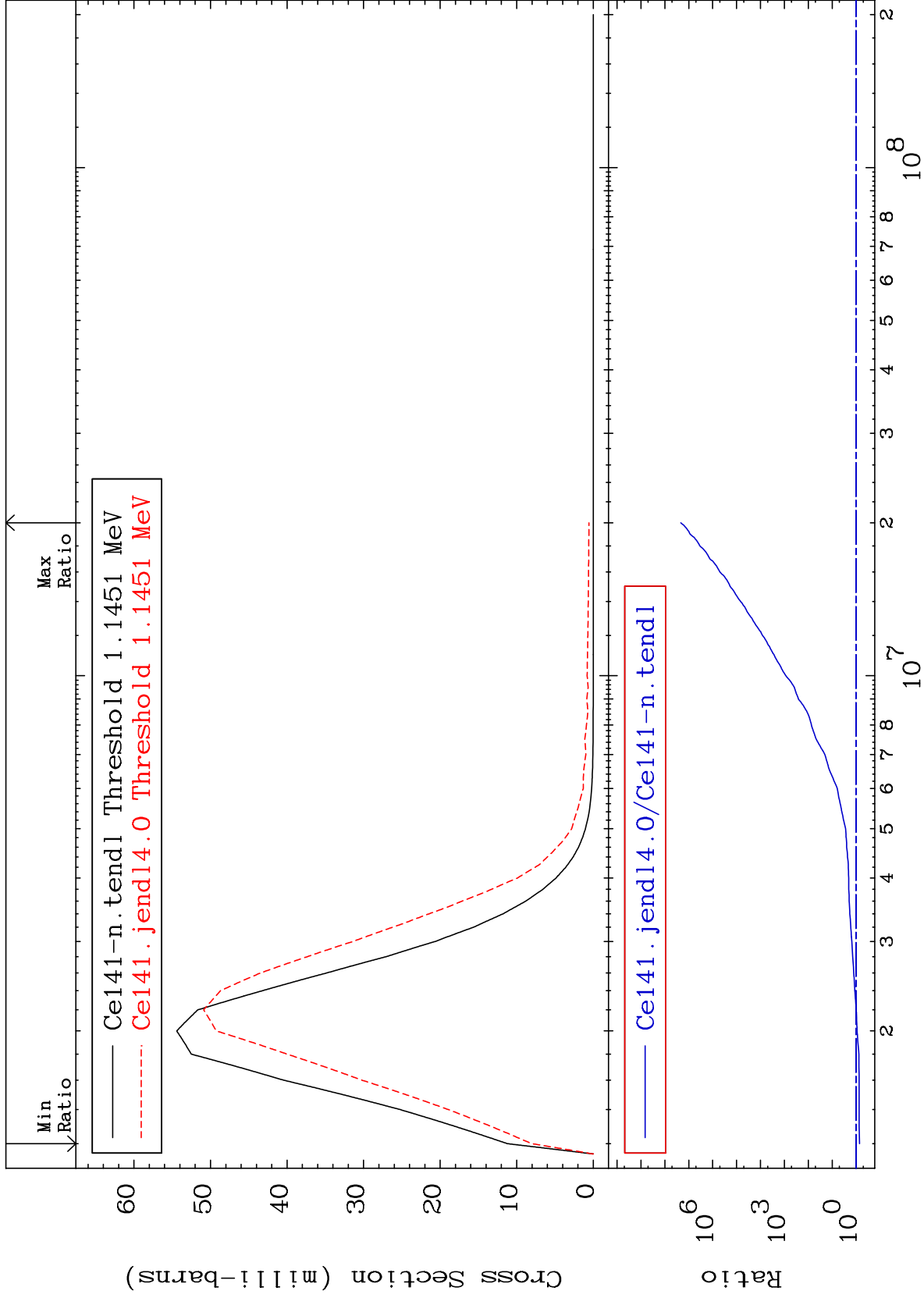
9

58-Ce-141

MAT 5840

1.137 MeV (n,n') Level
Cross Section

58-Ce-141
-28.35 To 9999. %



10

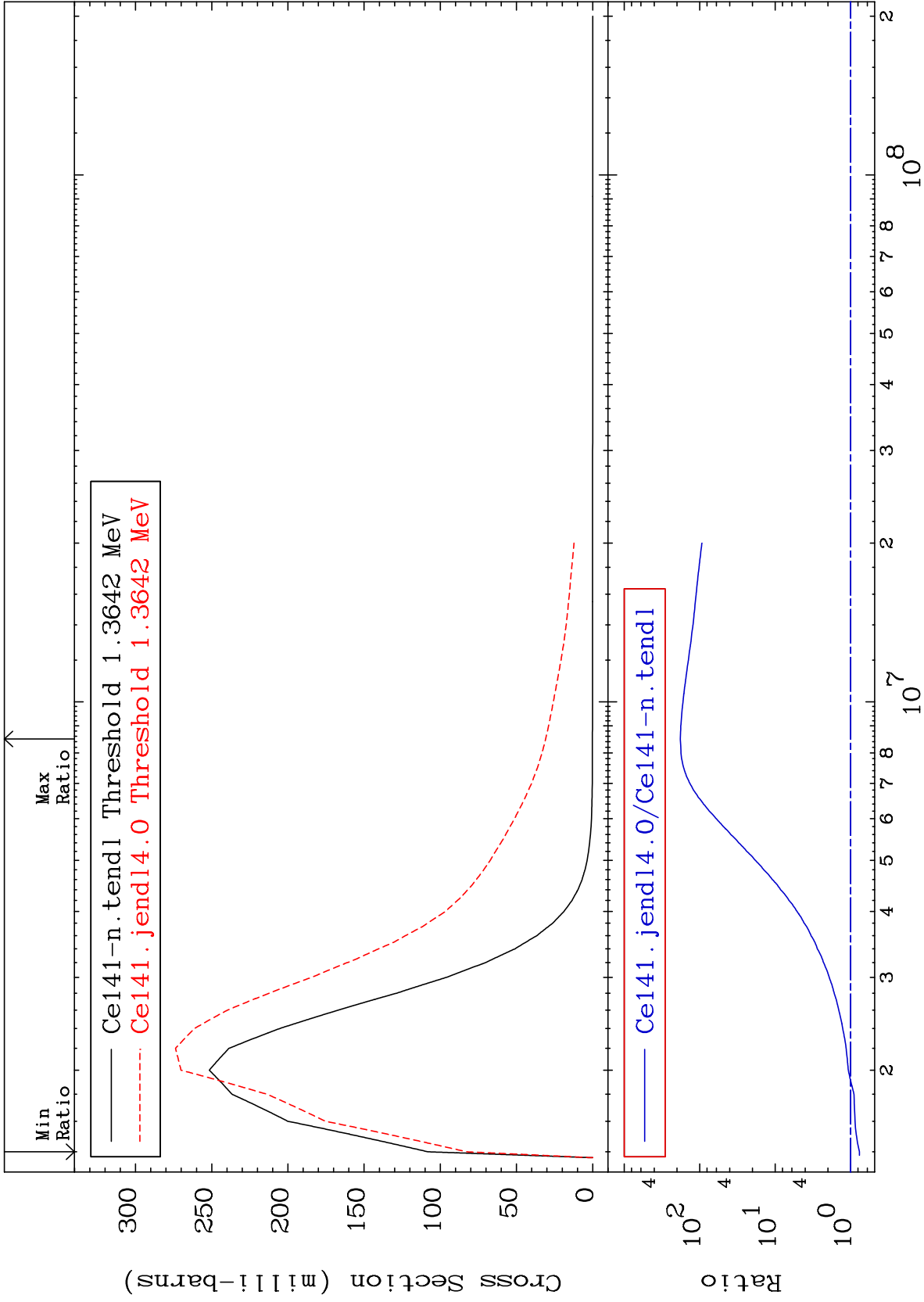
Incident Energy (eV)

58-Ce-141

MAT 5840

1.355 MeV (n,n') Level
Cross Section

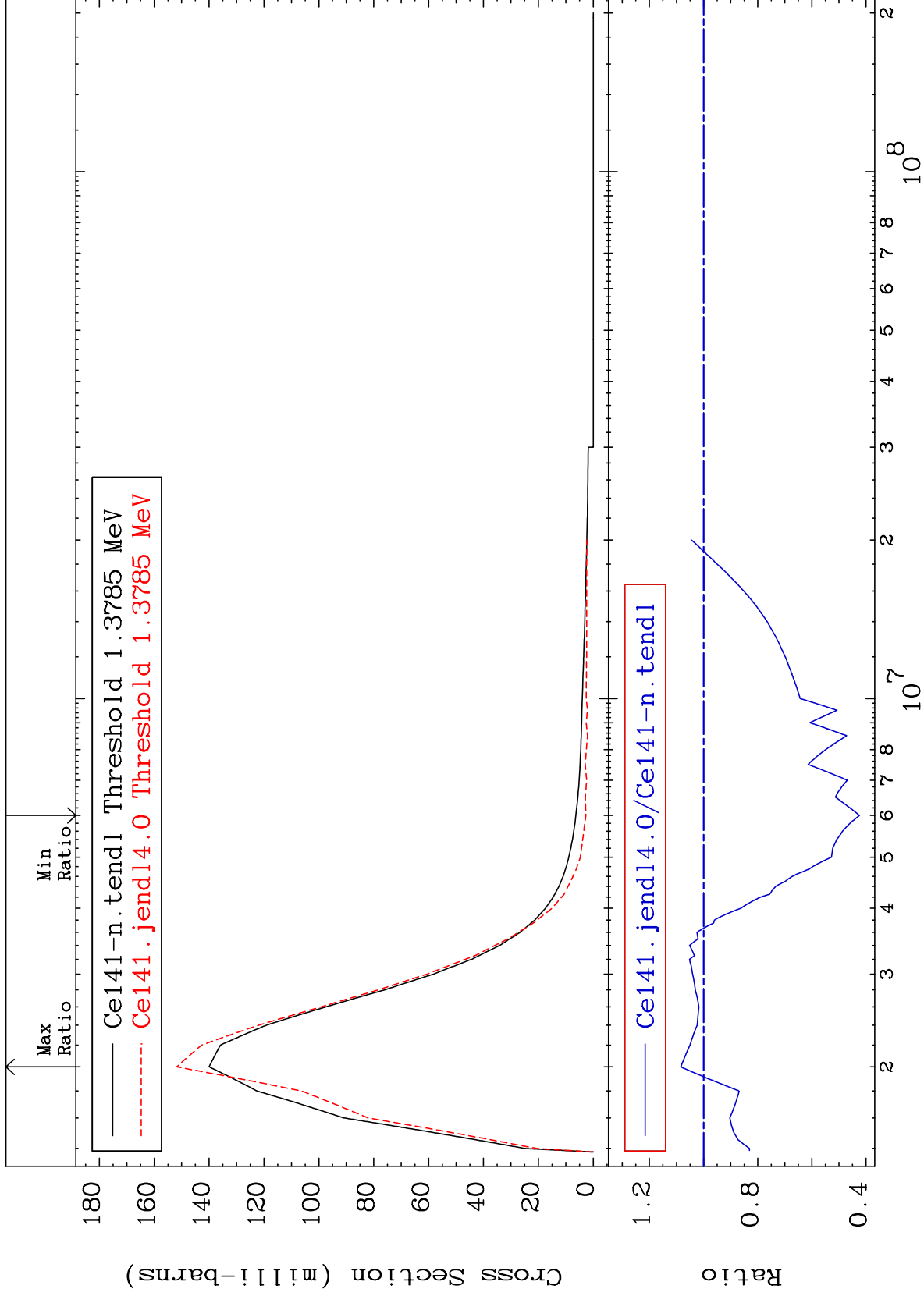
58-Ce-141
-23.52 To 9999. %



MAT 5840

1.369 MeV (n,n') Level
Cross Section

58-Ce-141
-57.60 To 8.412 %



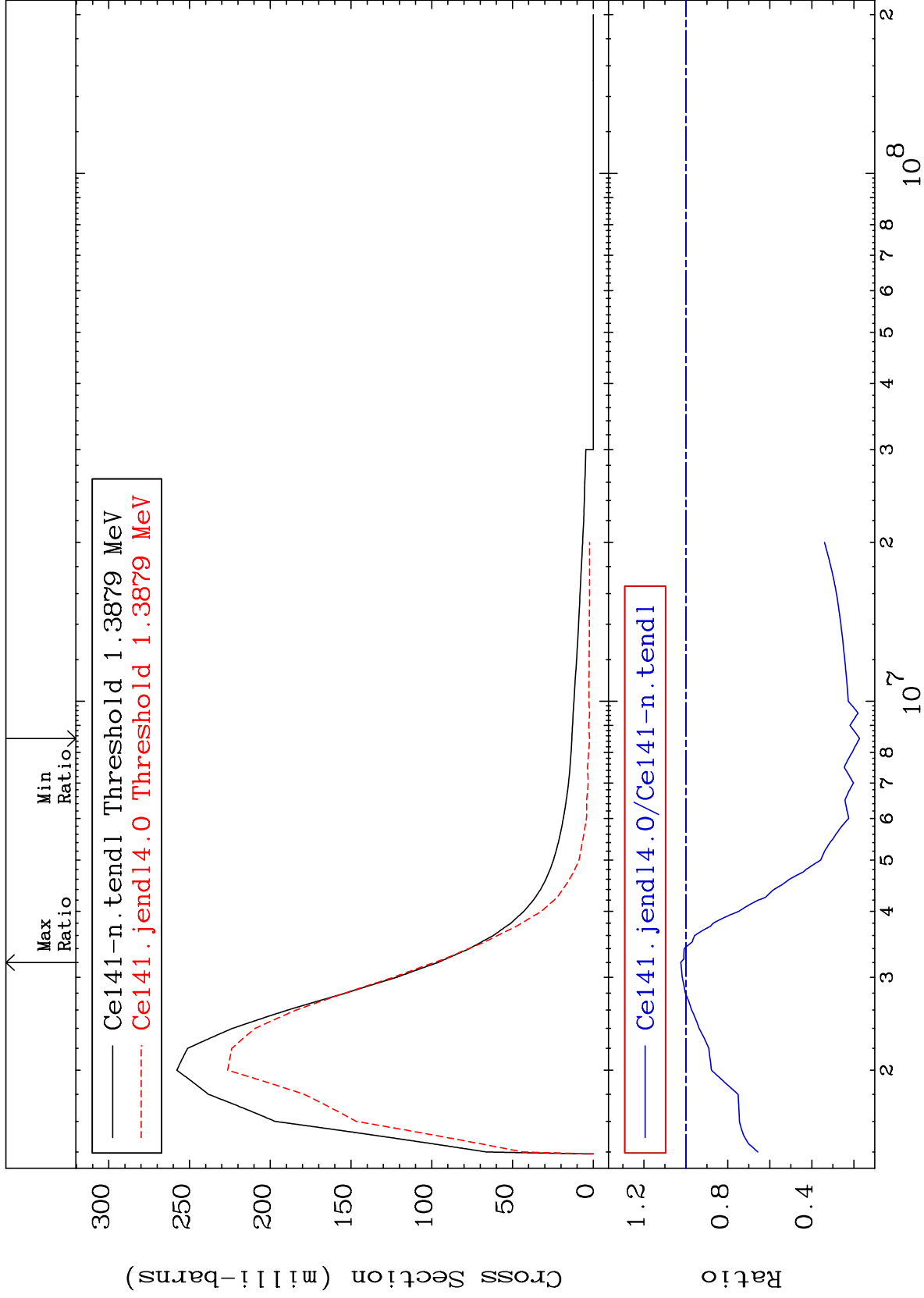
12

58-Ce-141

MAT 5840

1.378 MeV (n,n') Level
Cross Section

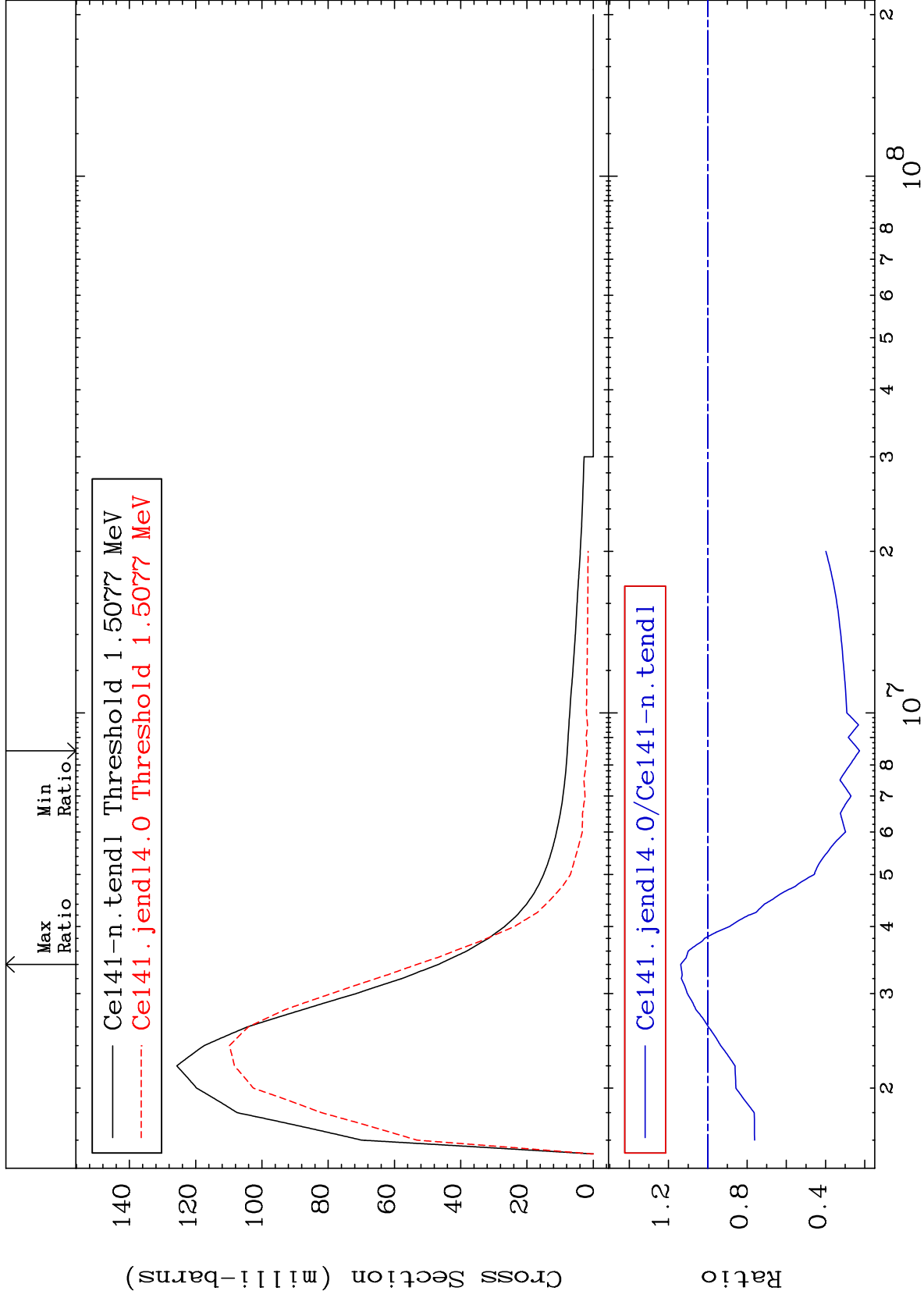
58-Ce-141
-82.67 To 2.416 %



MAT 5840

1.497 MeV (n,n') Level
Cross Section

58-Ce-141
-77.30 To 13.77 %



14

Incident Energy (eV)

58-Ce-141

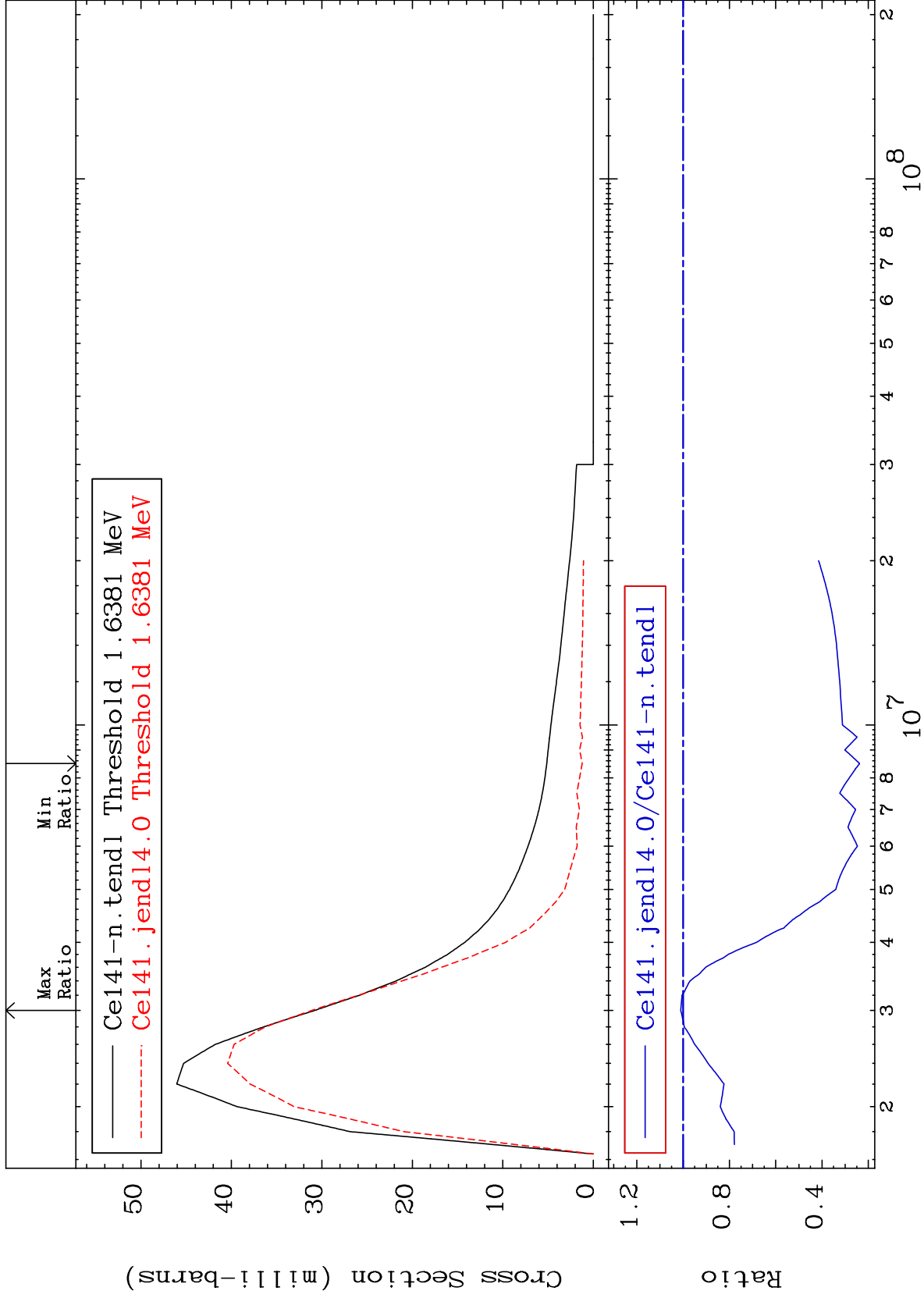
MAT 5840

1.626 MeV (n,n') Level

58-Ce-141

-76.20 To 1.019 %

Cross Section



15

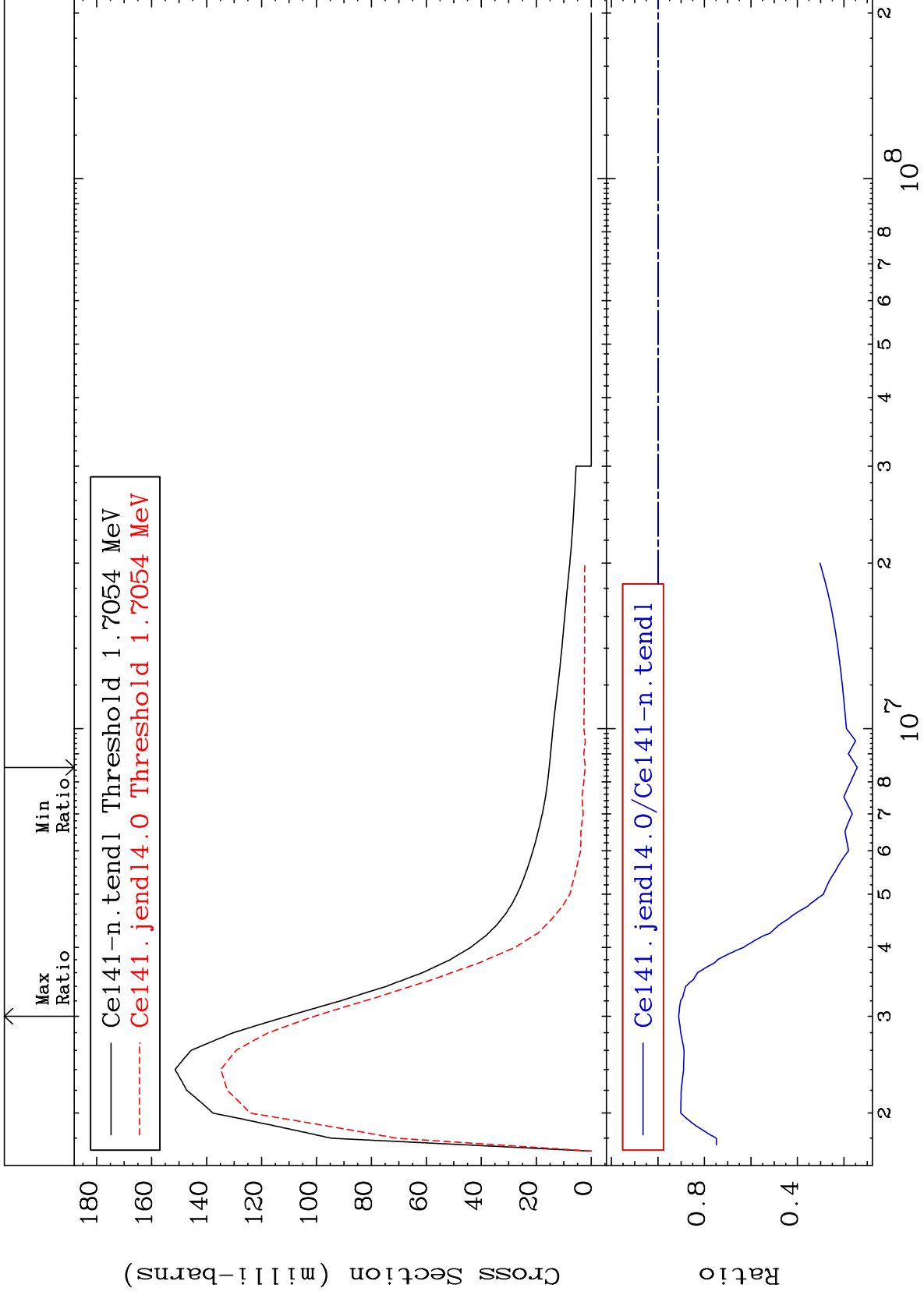
Incident Energy (eV)

58-Ce-141

MAT 5840

1.693 MeV (n,n') Level
Cross Section

58-Ce-141
-85.73 To -8.905%



16

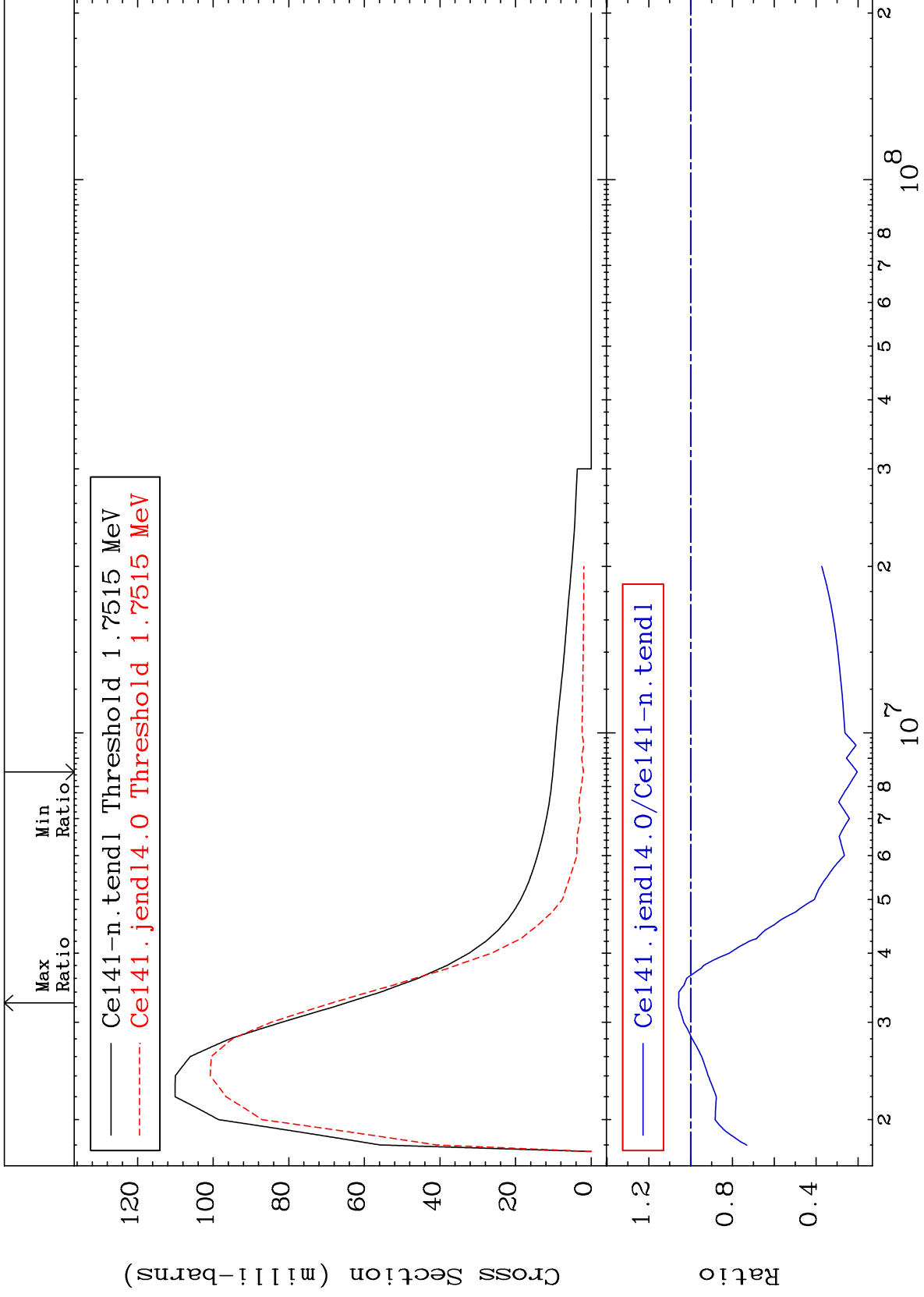
Incident Energy (eV)

58-Ce-141

MAT 5840

1.739 MeV (n,n') Level
Cross Section

58-Ce-141
-79.64 To 5.745 %



17

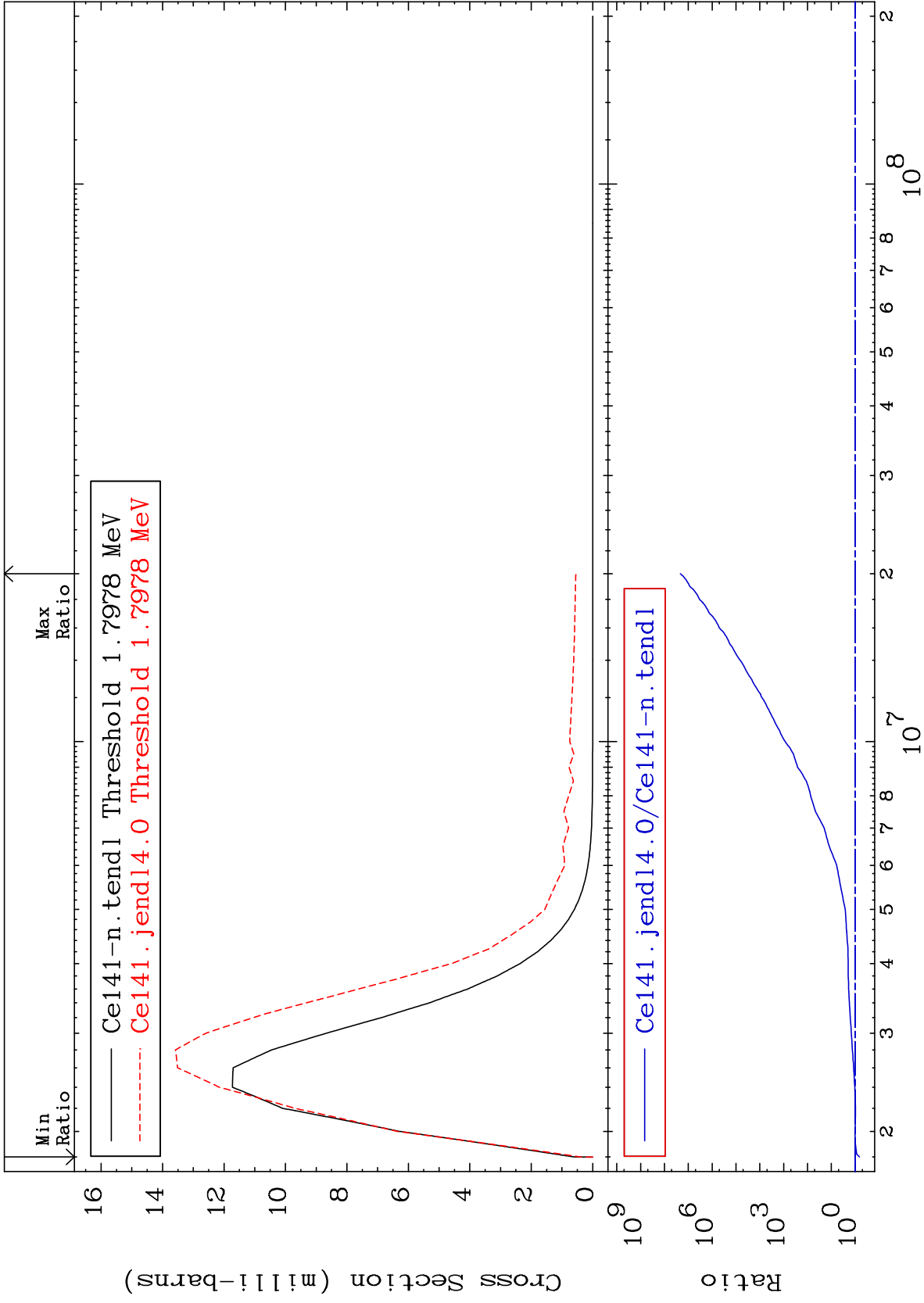
Incident Energy (eV)

58-Ce-141

MAT 5840

1.785 MeV (n,n') Level
Cross Section

58-Ce-141
-33.94 To 9999. %



18

Incident Energy (eV)

58-Ce-141

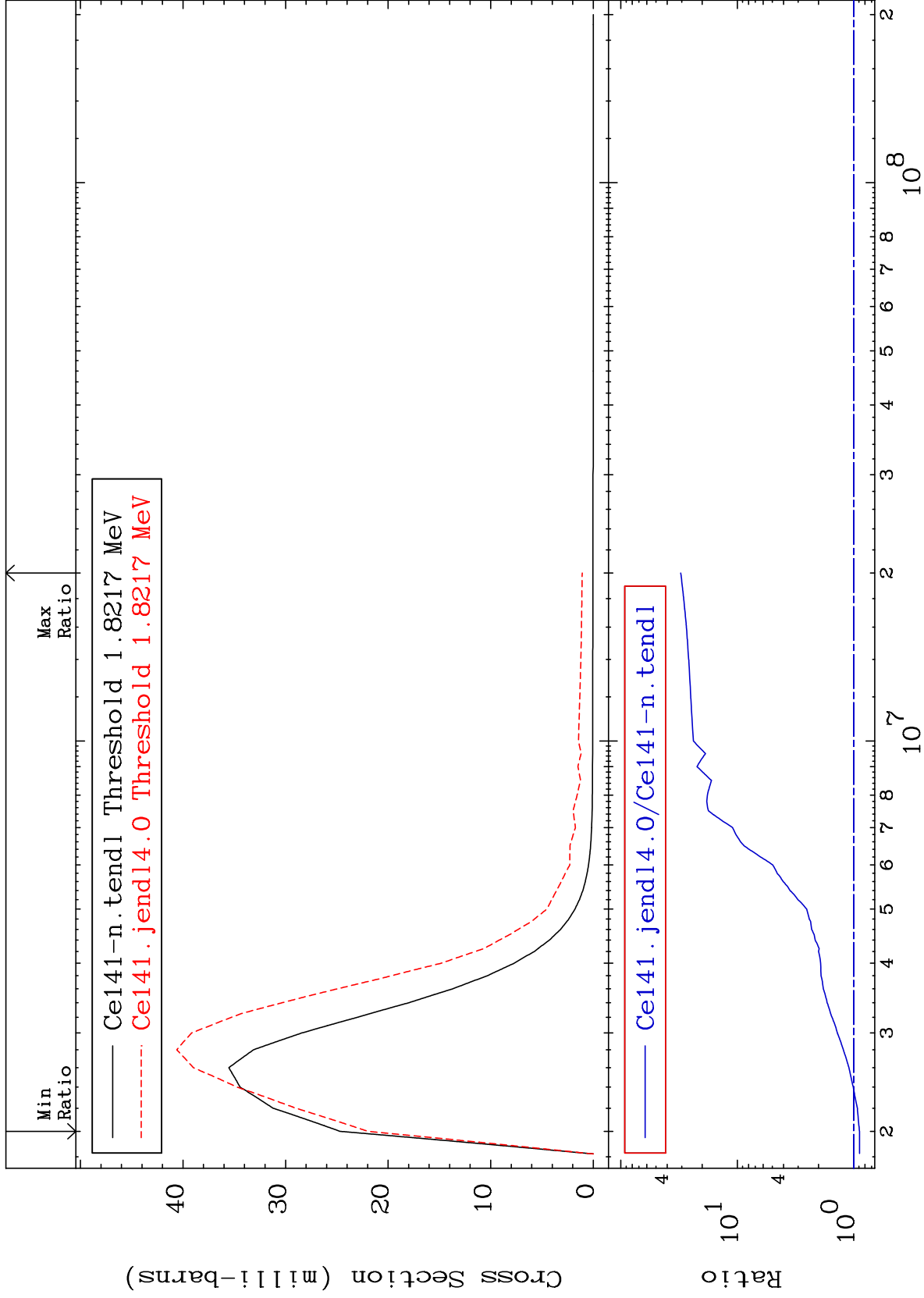
MAT 5840

1.809 MeV (n,n') Level

58-Ce-141

-11.03 To 2957. %

Cross Section



19

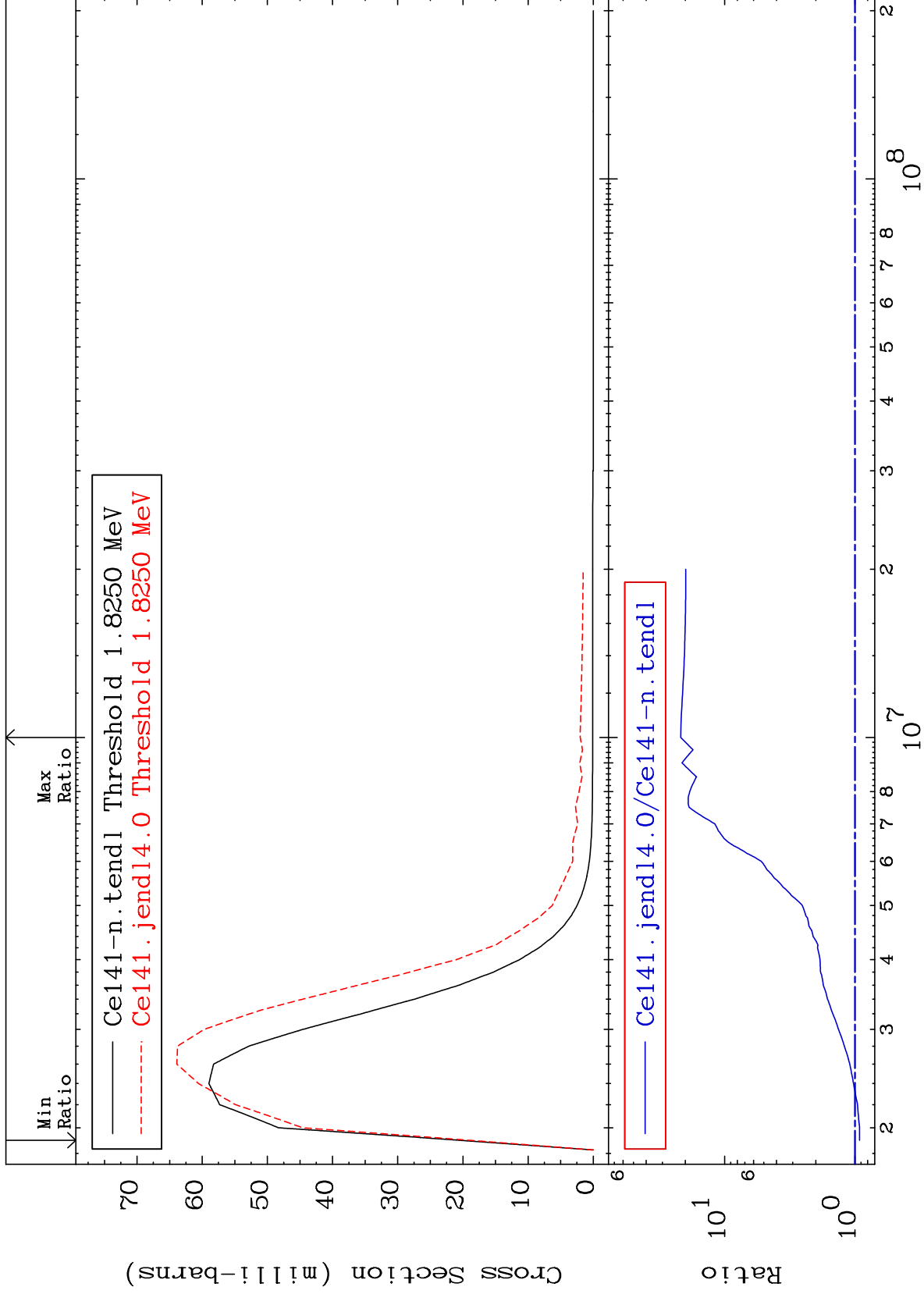
Incident Energy (eV)

58-Ce-141

MAT 5840

1.812 MeV (n,n') Level
Cross Section

58-Ce-141
-7.641 To 2069. %



20

Incident Energy (eV)

58-Ce-141

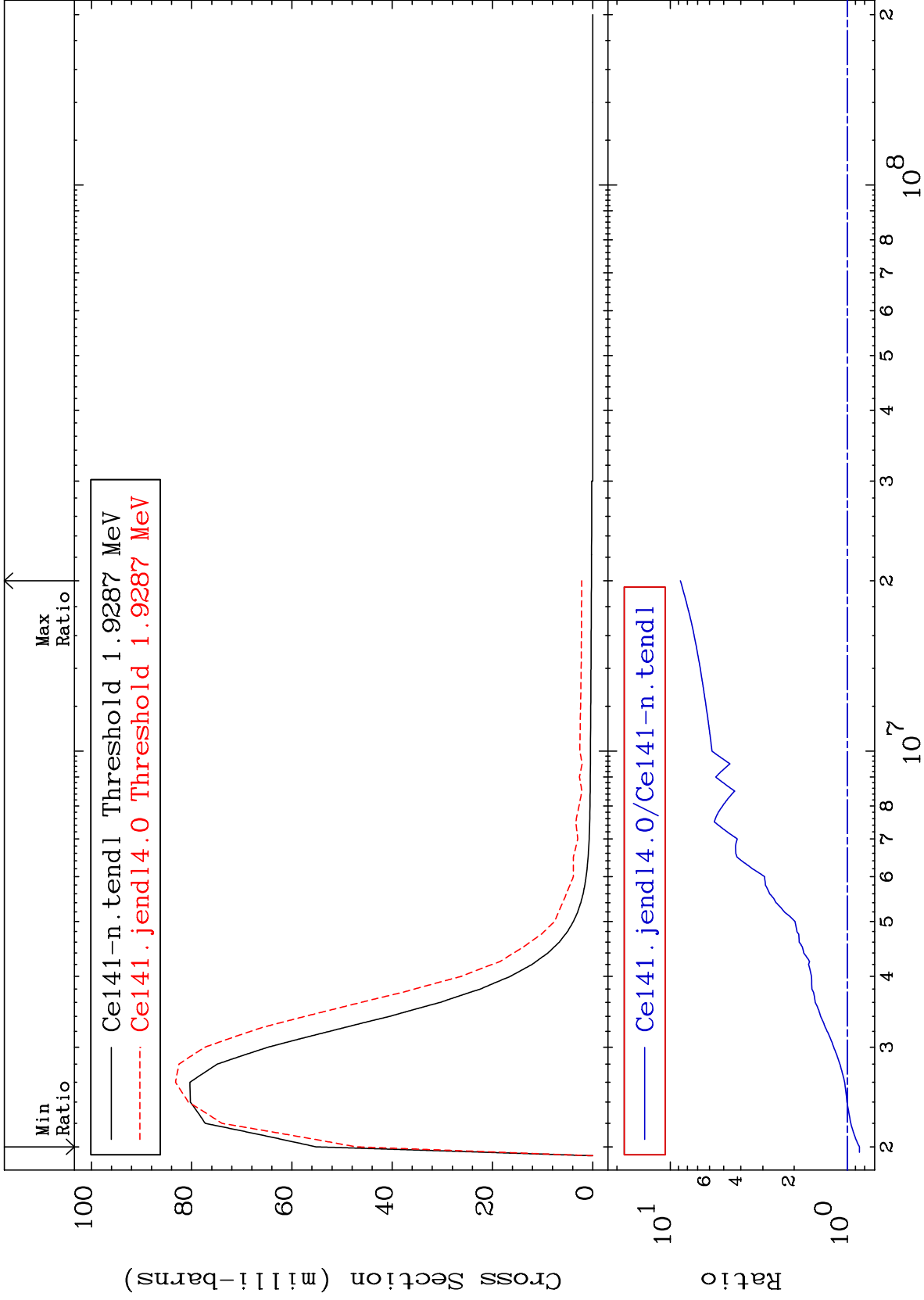
MAT 5840

1.915 MeV (n,n') Level

58-Ce-141

-14.49 To 777.2 %

Cross Section



21

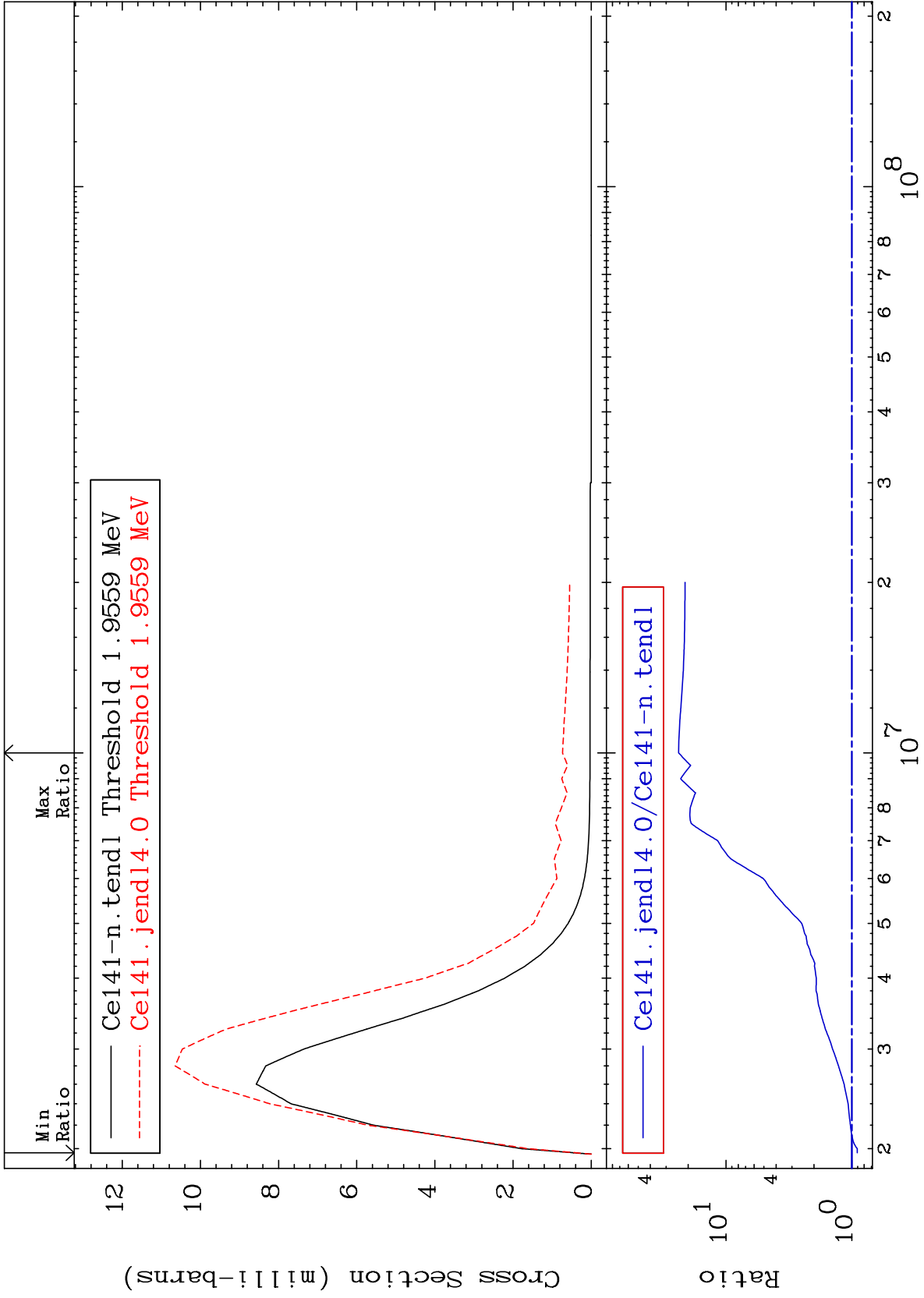
Incident Energy (eV)

58-Ce-141

MAT 5840

1.942 MeV (n,n') Level
Cross Section

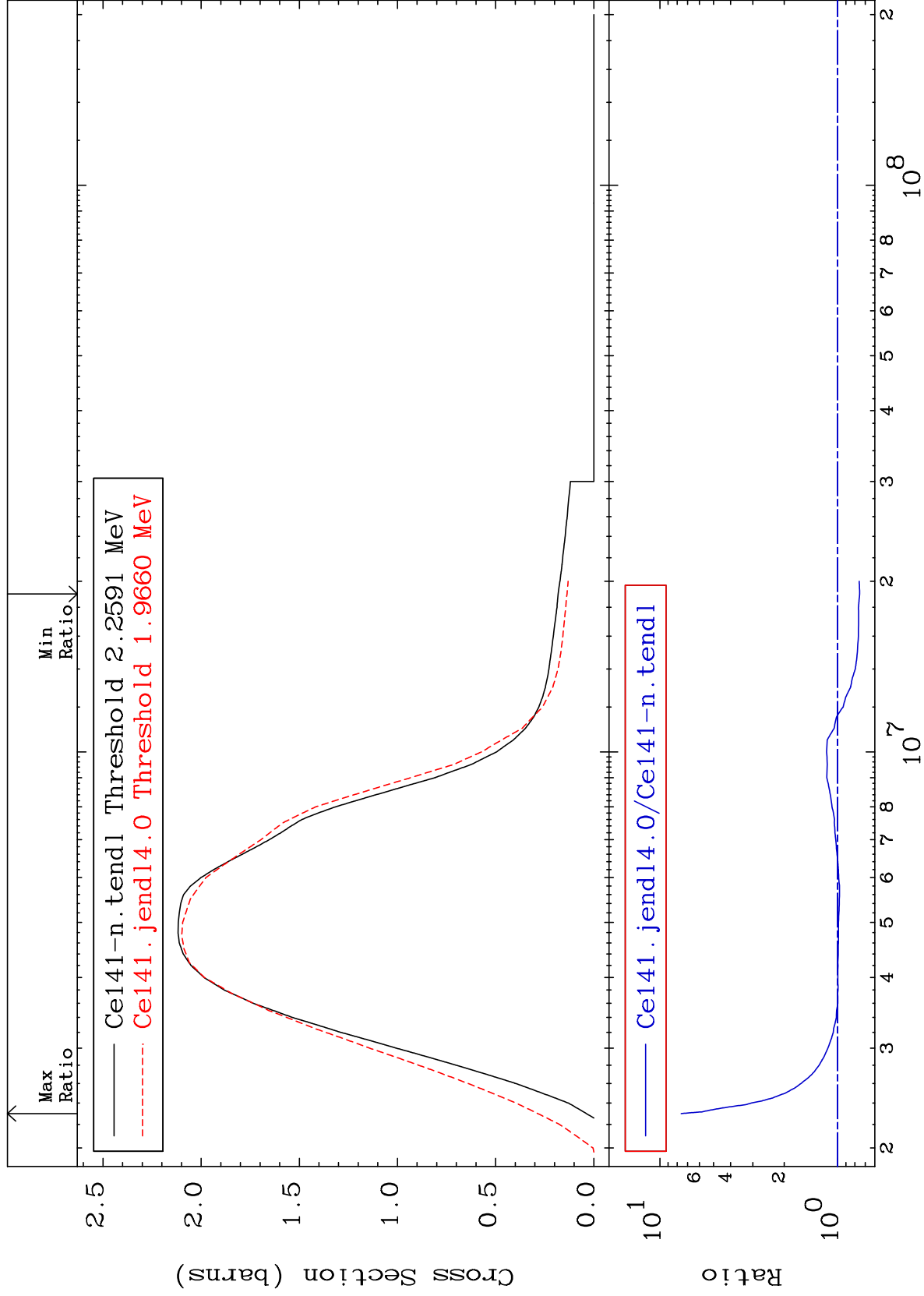
58-Ce-141
-9.358 To 2284. %



MAT 5840

(n, n') Continuum
Cross Section

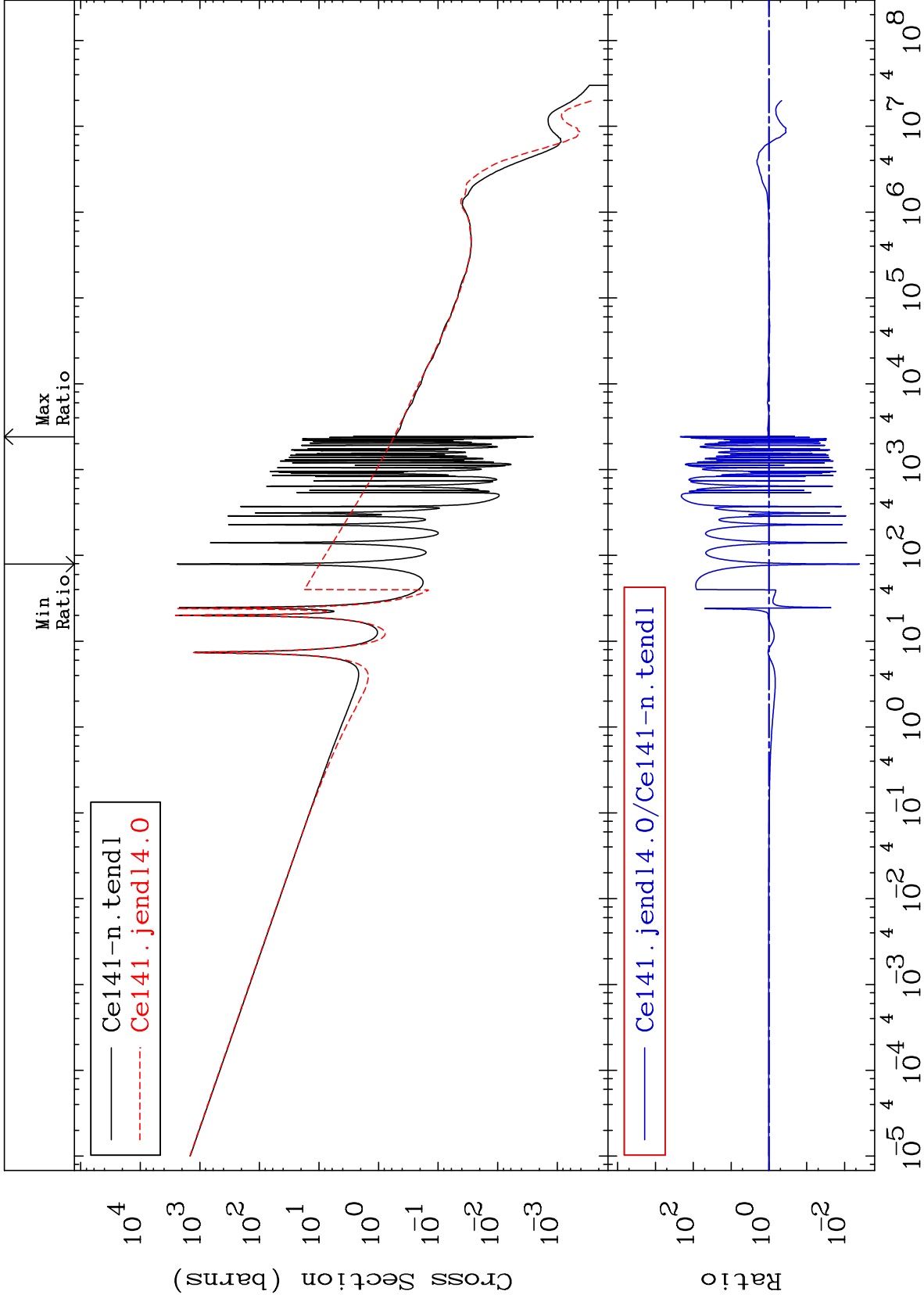
58-Ce-141
-24.75 To 659.6 %



MAT 5840

(n, γ)
Cross Section

58-Ce-141
-99.59 To 9999. %



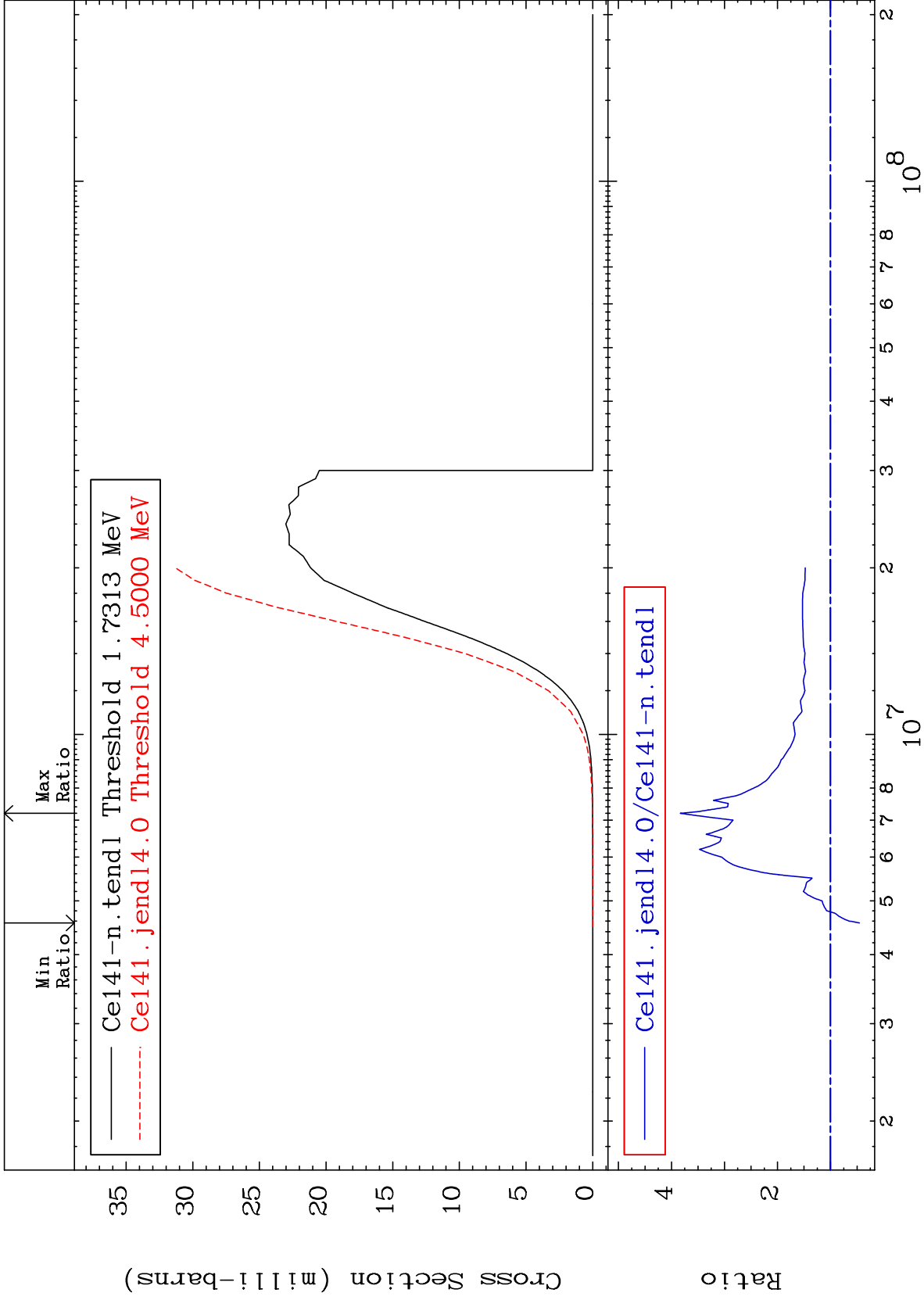
MAT 5840

(n,p)

58-Ce-141

Cross Section

-54.52 To 283.3 %



25

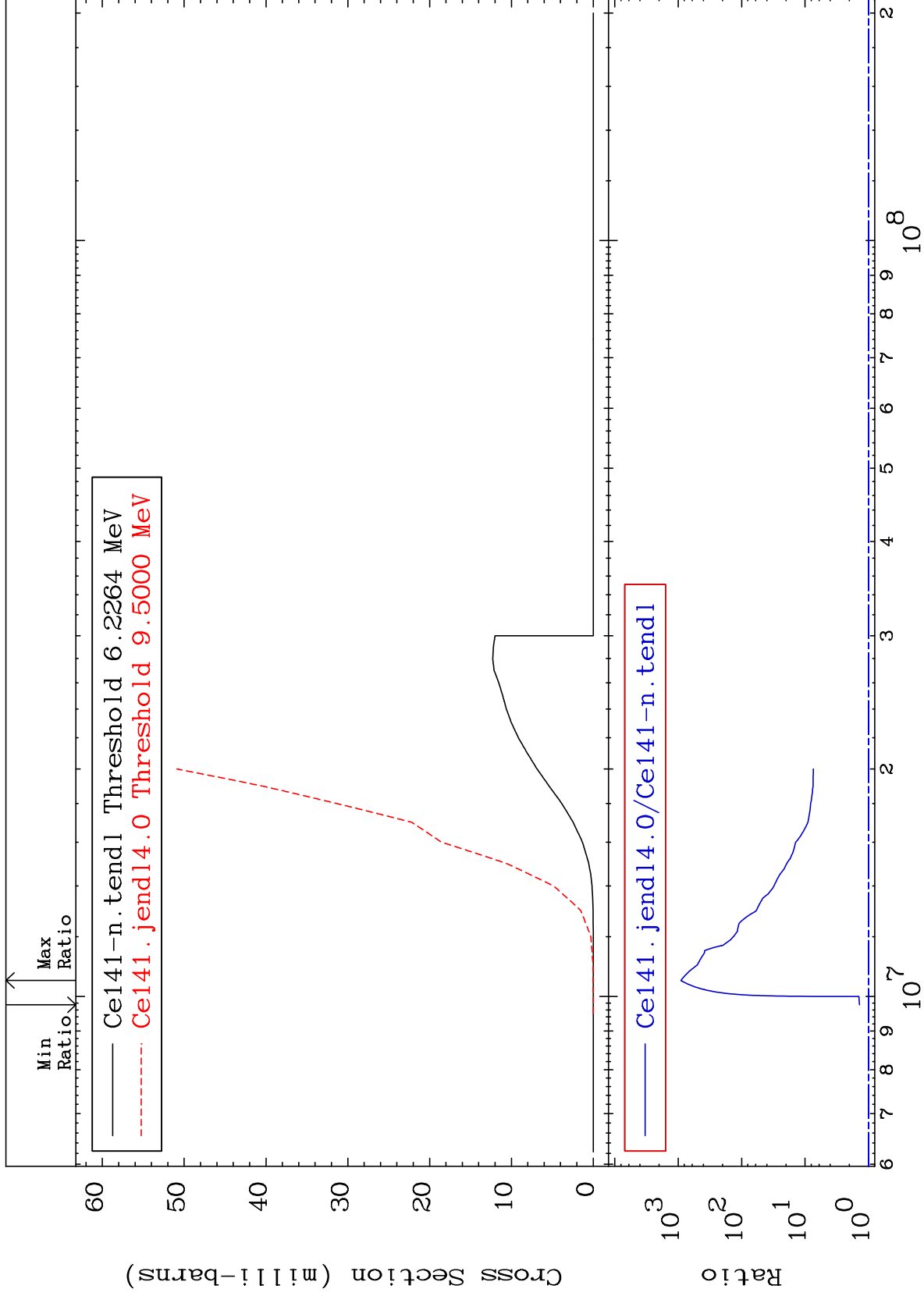
Incident Energy (eV)

58-Ce-141

MAT 5840

(n, d)
Cross Section

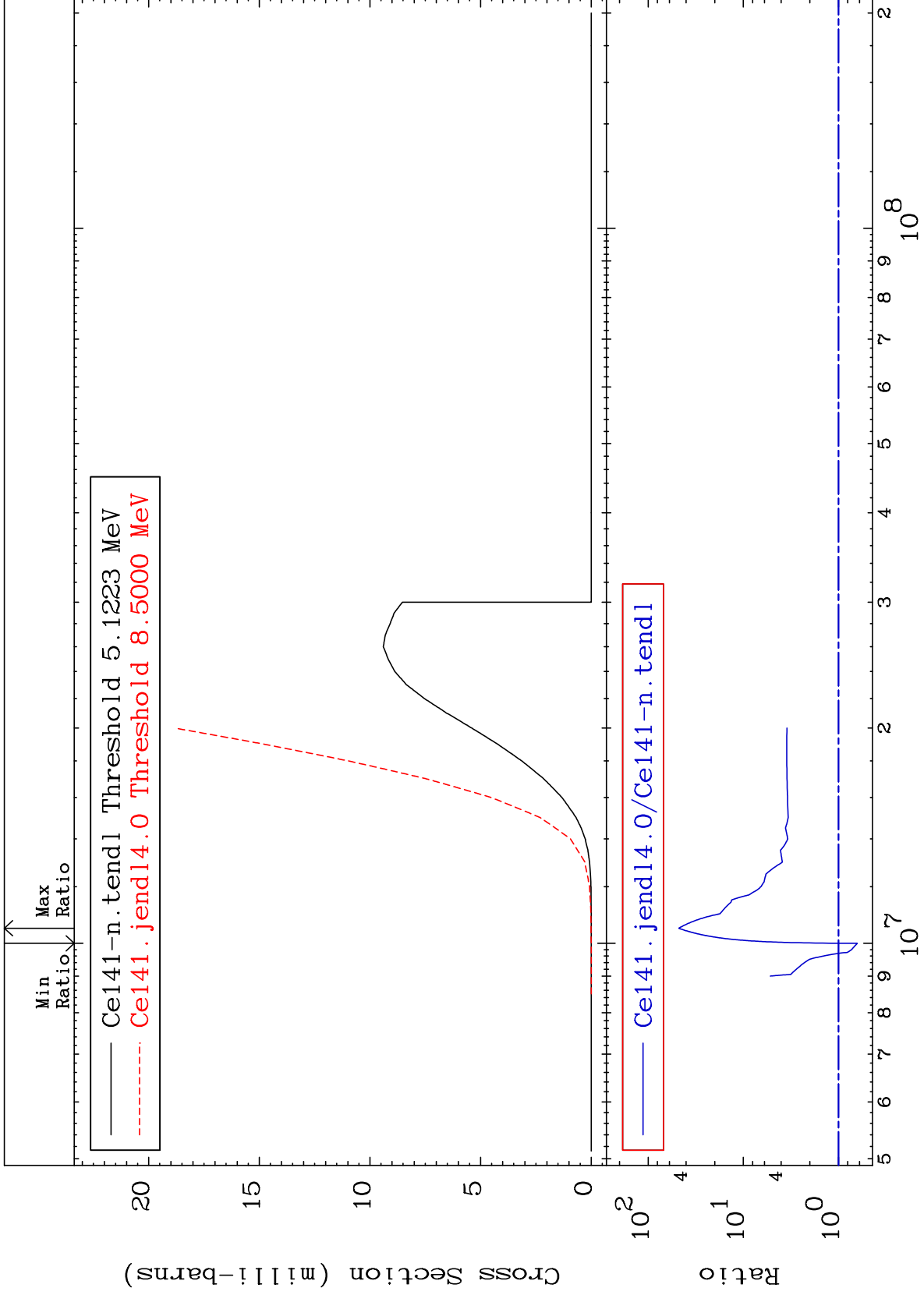
58-Ce-141
38.33 To 9999. %



MAT 5840

(n, t)
Cross Section

58-Ce-141
-36.55 To 4692. %



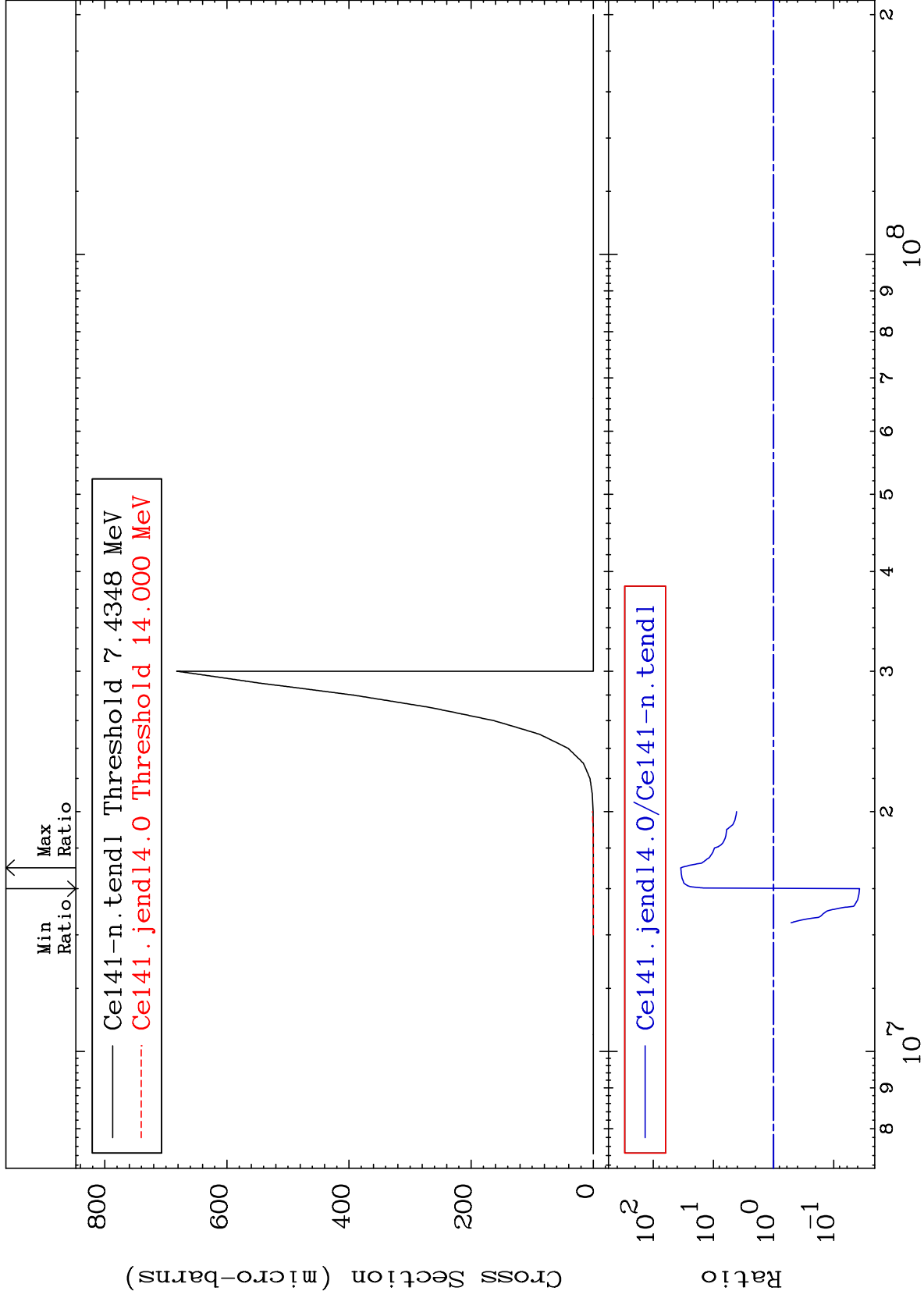
MAT 5840

(n, He-3)

58-Ce-141

Cross Section

-96.27 To 3399. %



28

Incident Energy (eV)

58-Ce-141

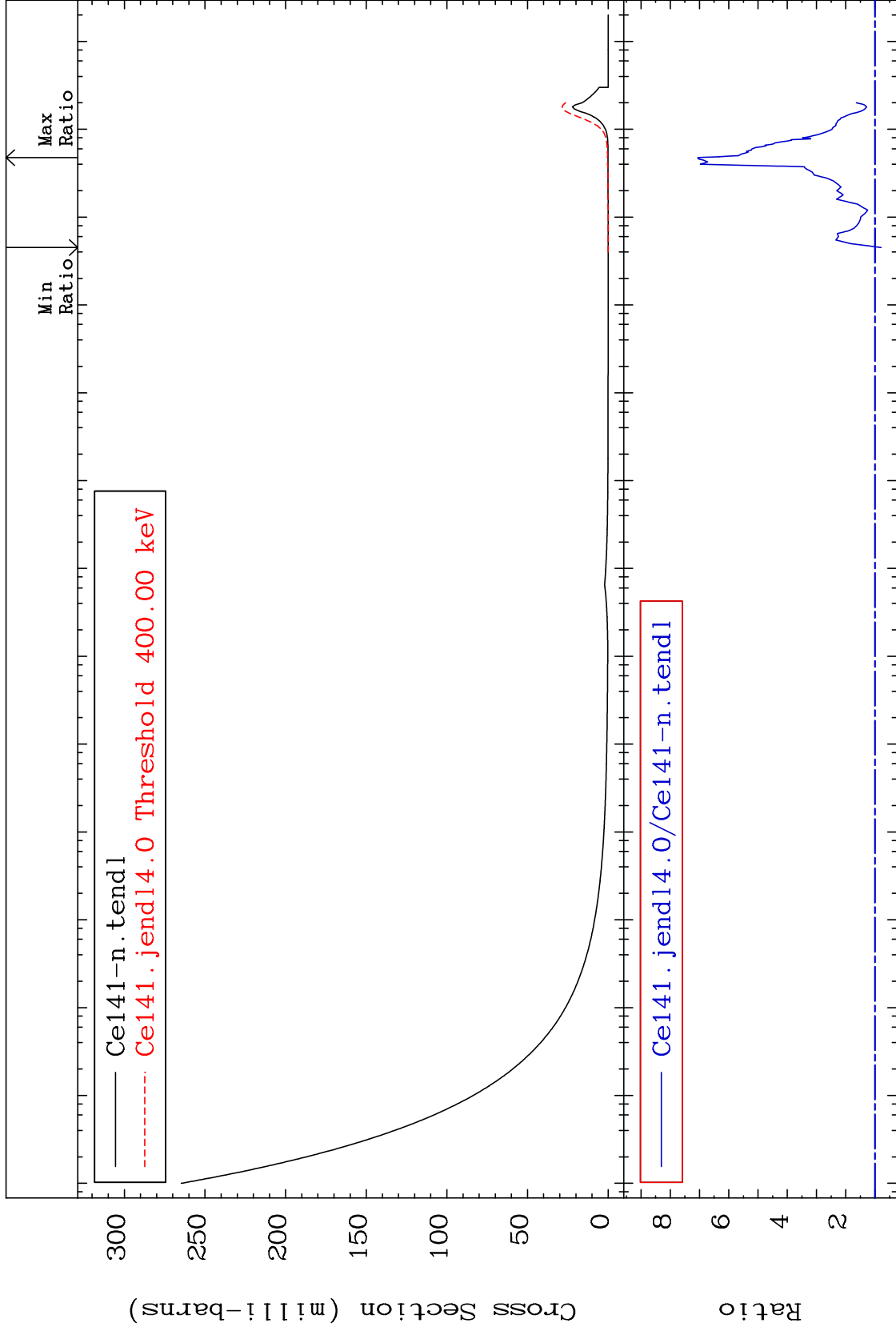
MAT 5840

(n, α)

58-Ce-141

Cross Section

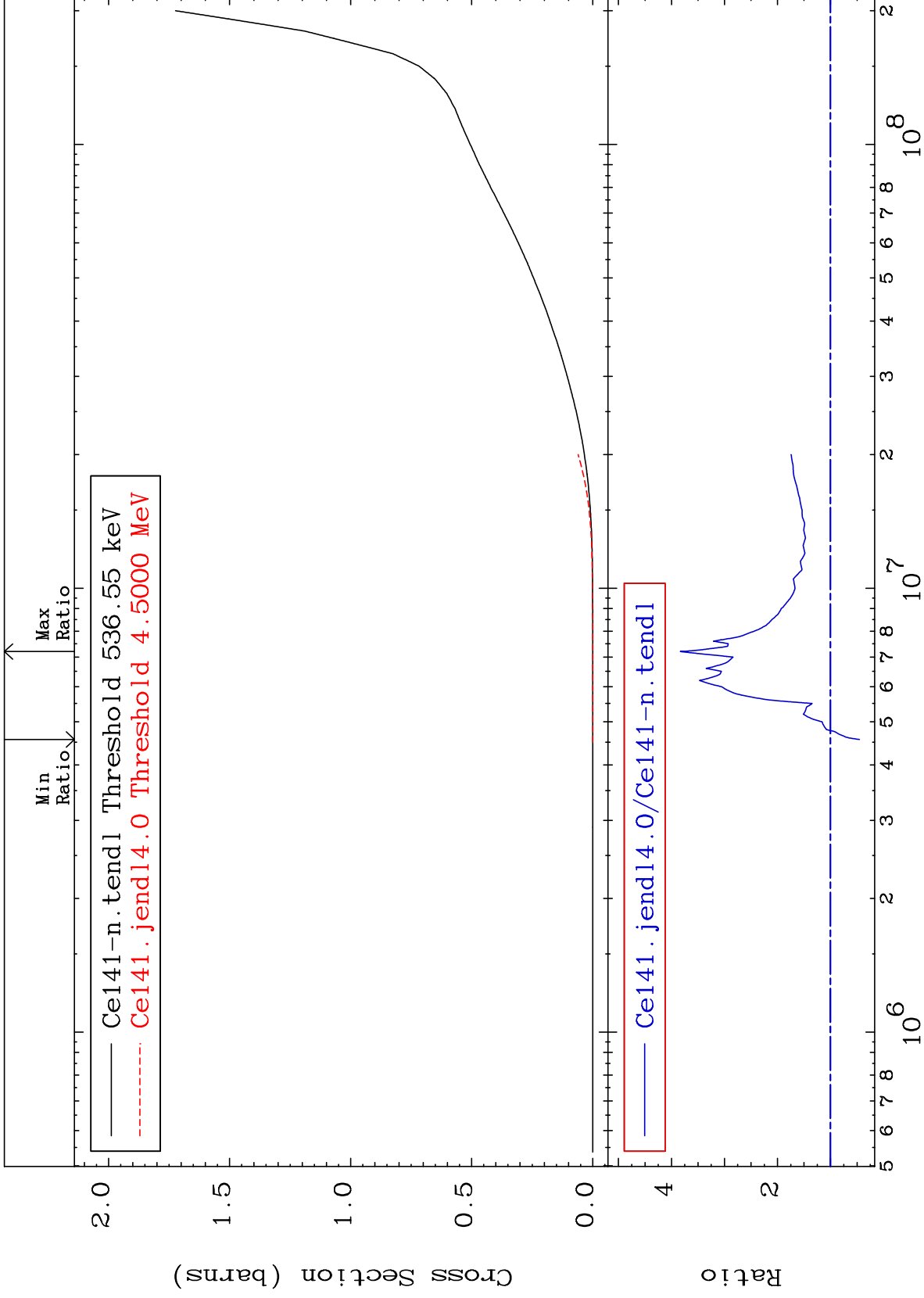
-20.82 To 605.6 %



MAT 5840

Hydrogen Production
Cross Section

58-Ce-141
-54.52 To 283.3 %



30

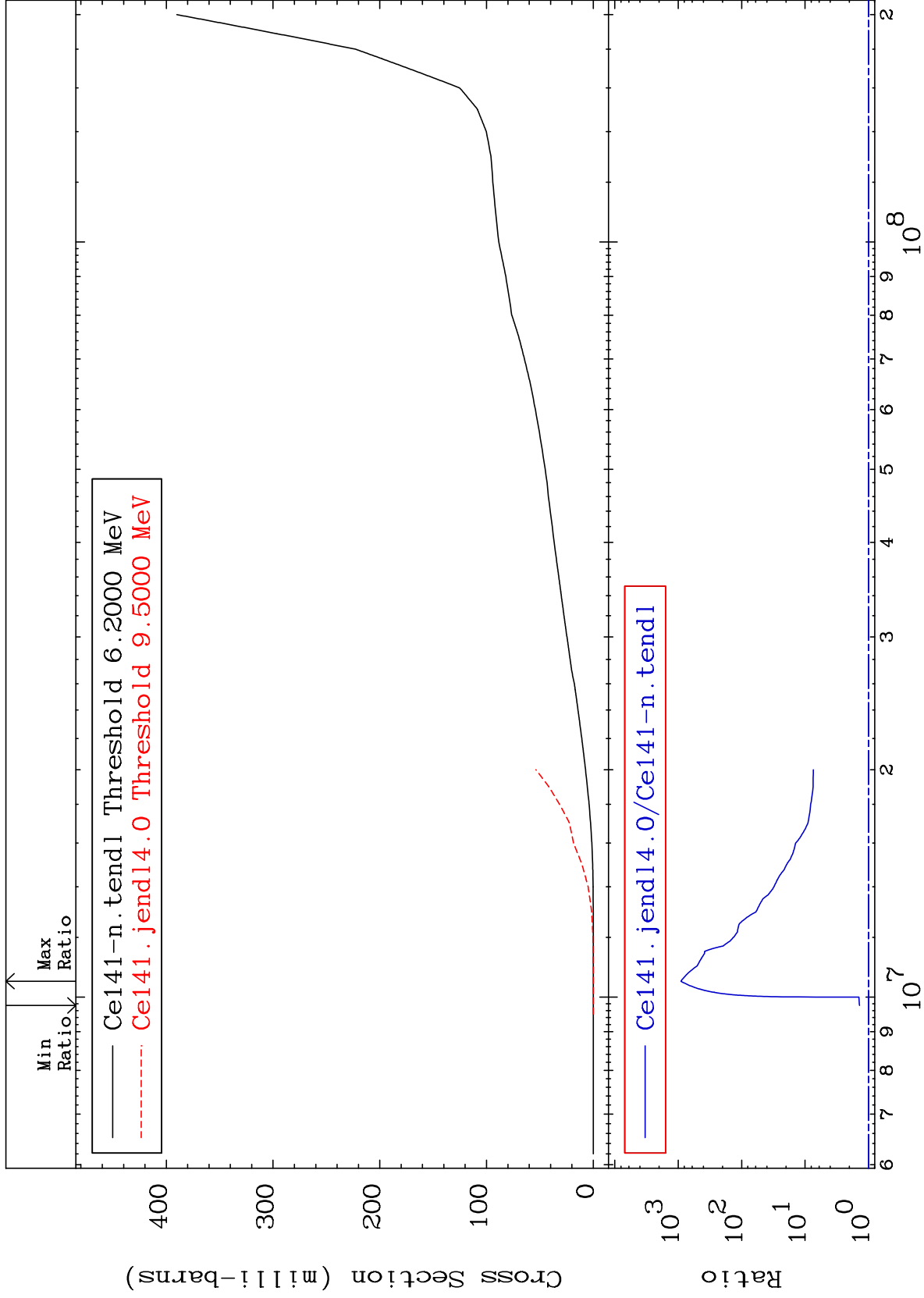
Incident Energy (eV)

58-Ce-141

MAT 5840

Deuterium Production
Cross Section

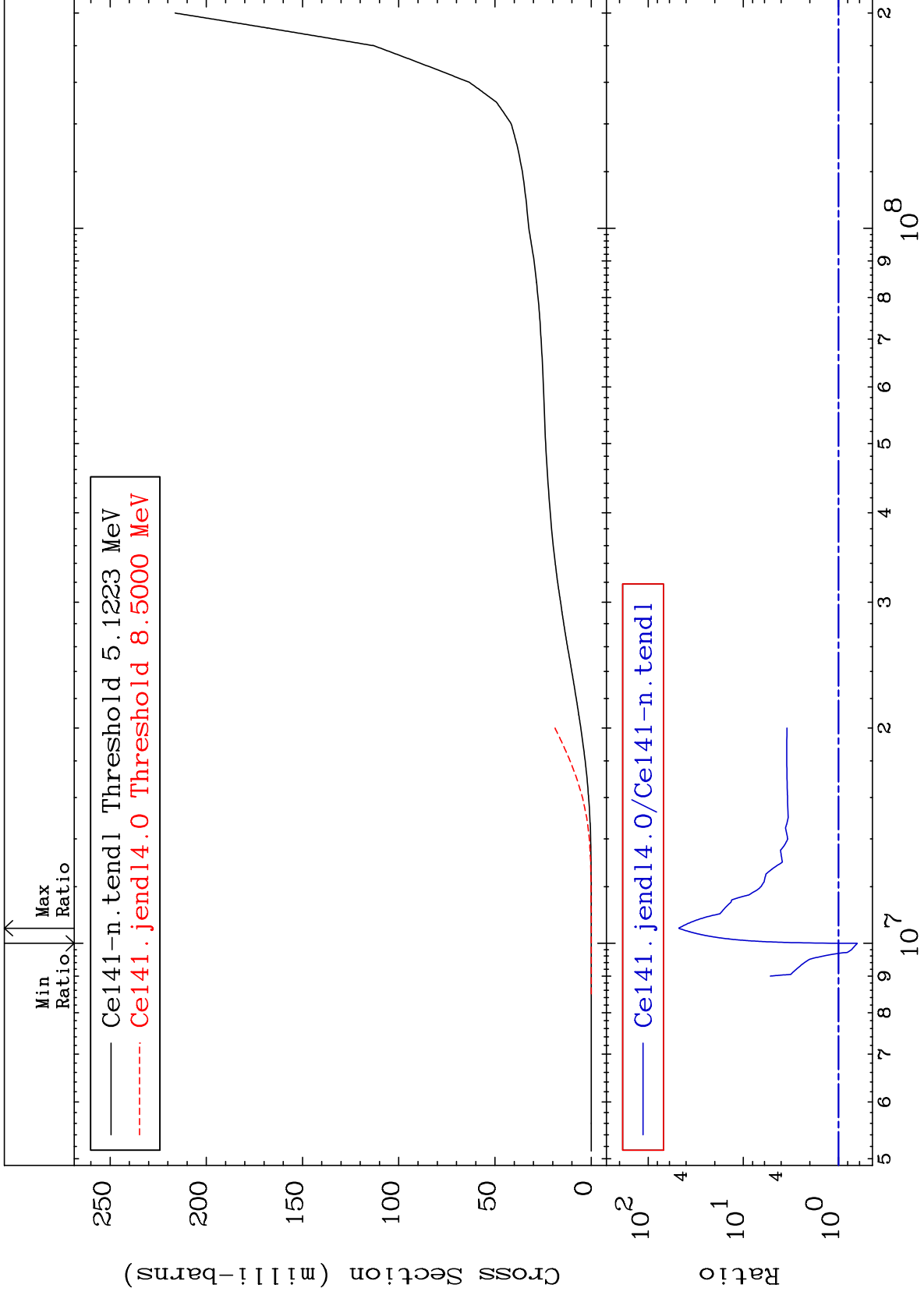
58-Ce-141
38.33 To 9999. %



MAT 5840

Tritium Production
Cross Section

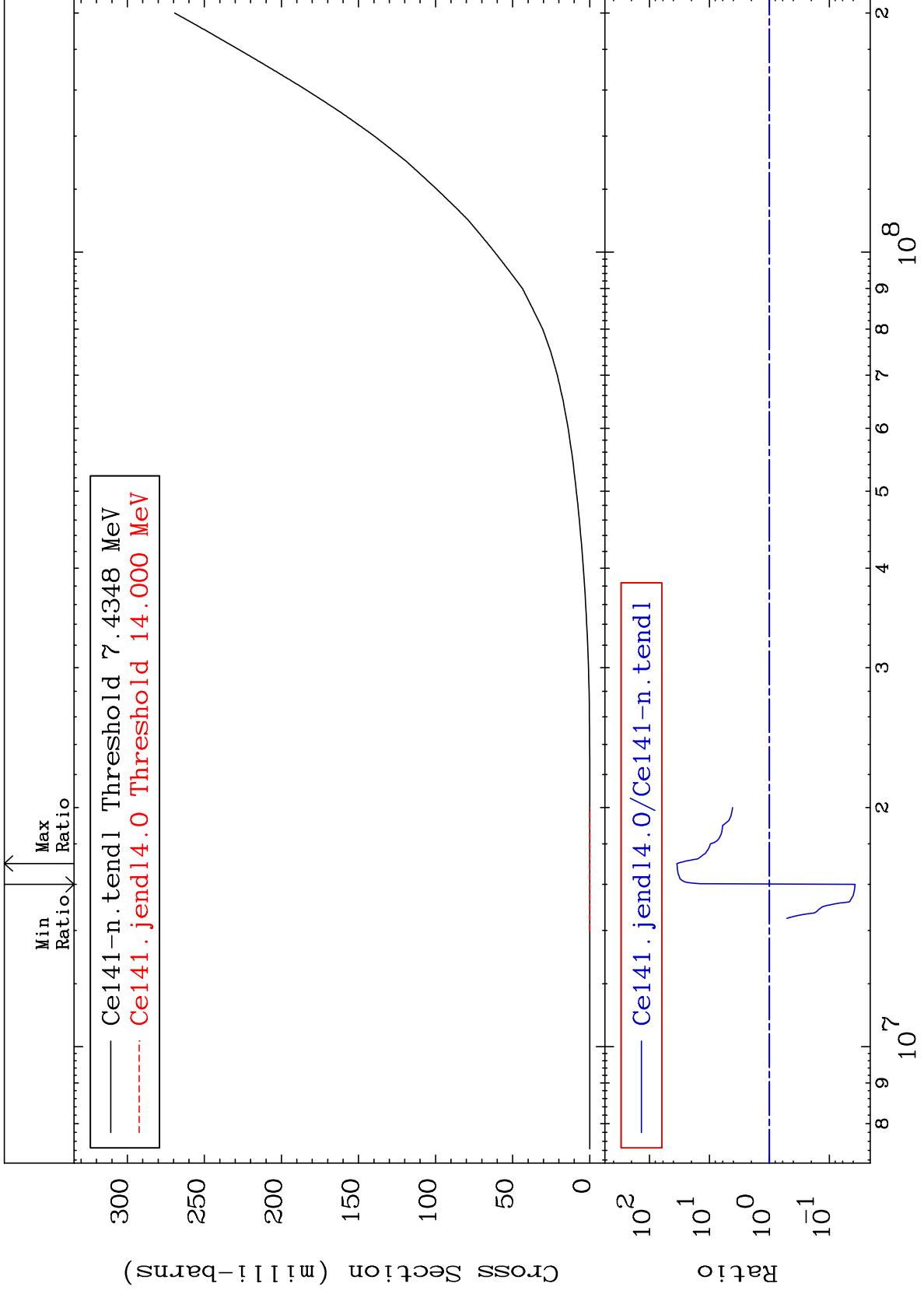
58-Ce-141
-36.55 To 4692. %



MAT 5840

He-3 Production
Cross Section

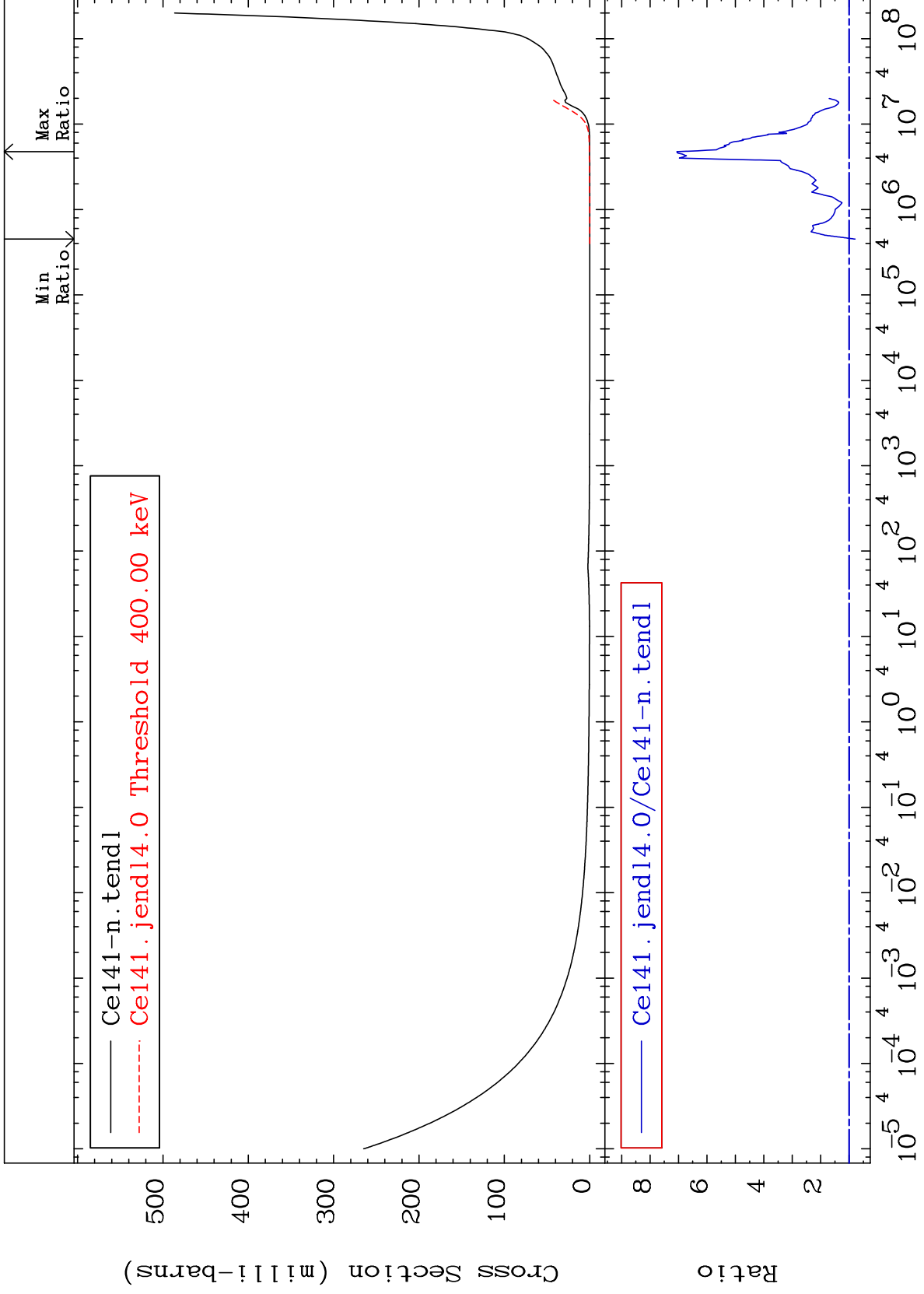
58-Ce-141
-96.27 To 3399. %



MAT 5840

He-4 Production
Cross Section

58-Ce-141
-20.82 To 605.6 %



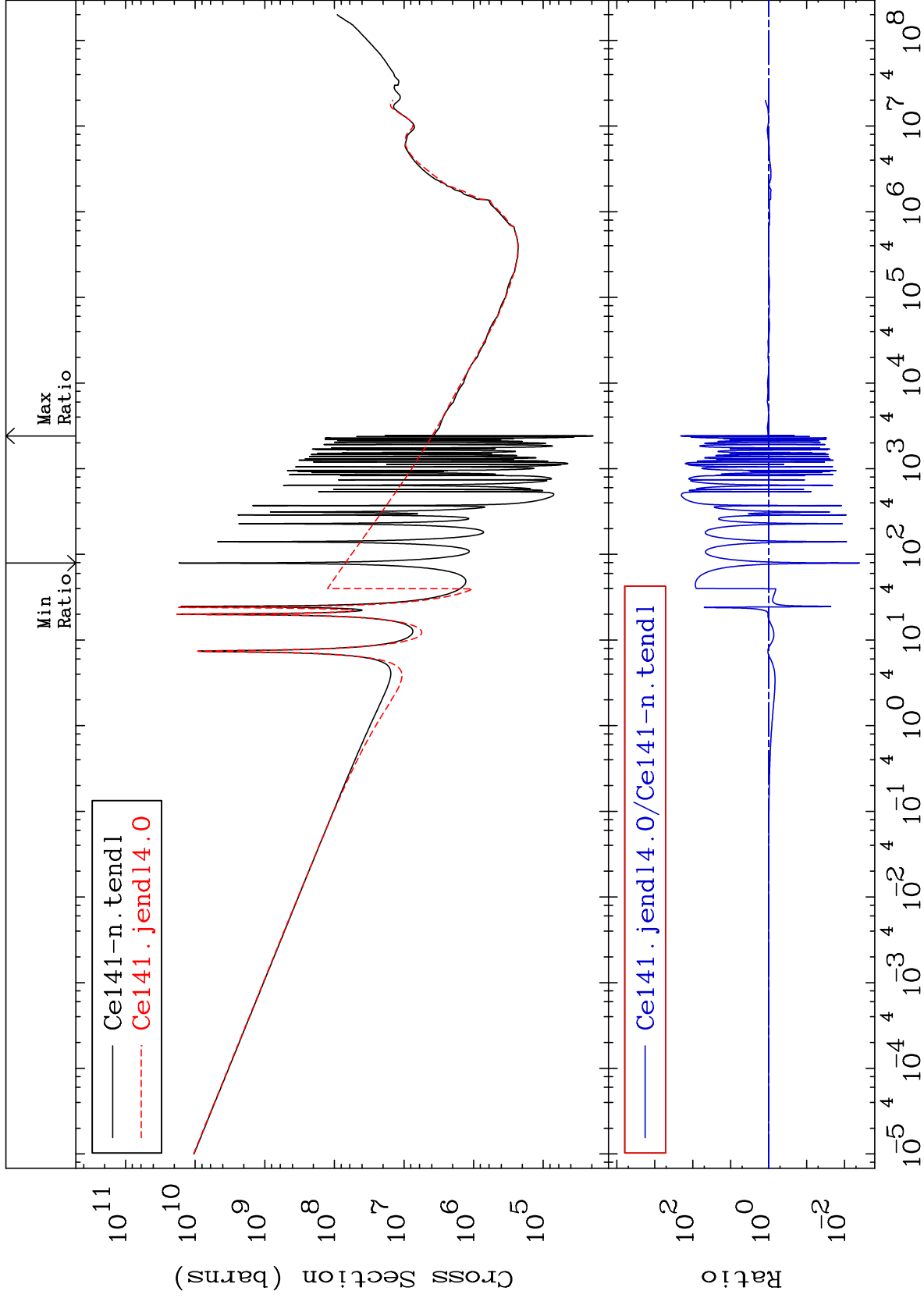
MAT 5840

Kerma total (eV-barns)

58-Ce-141

-99.59 To 9999. %

Cross Section



35

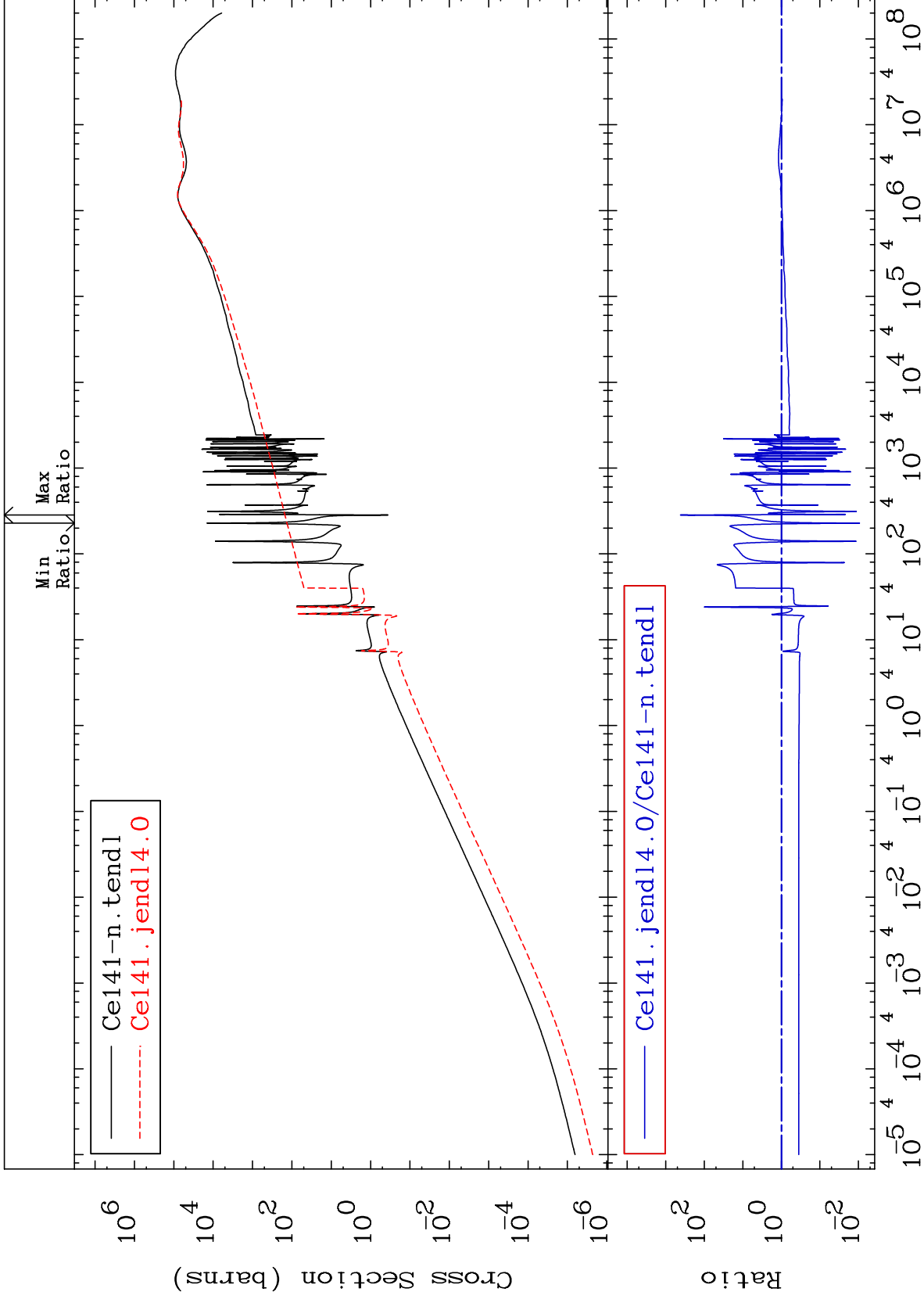
Incident Energy (eV)

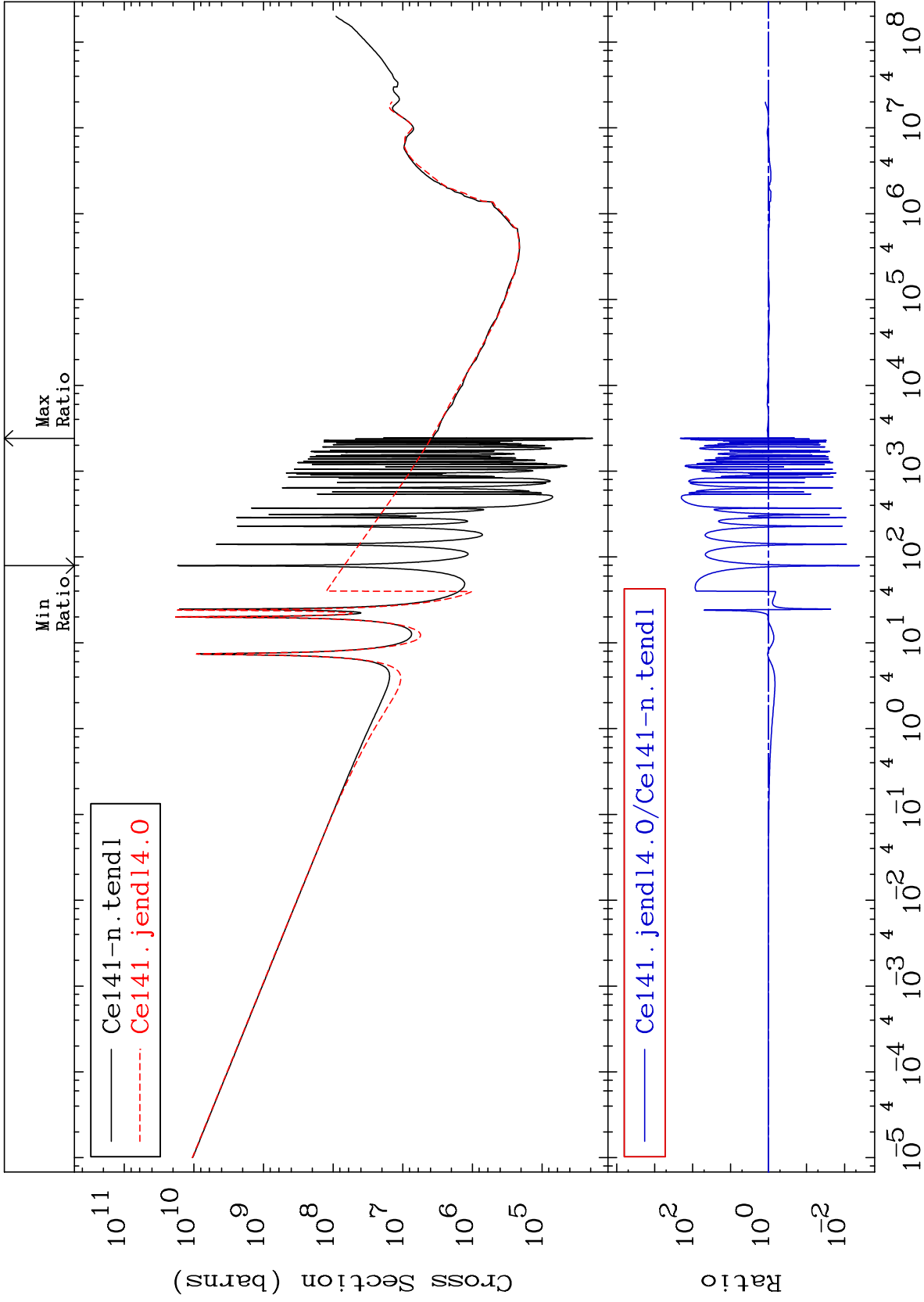
58-Ce-141

MAT 5840

Kerma elastic
Cross Section

58-Ce-141
-99.06 To 9999. %





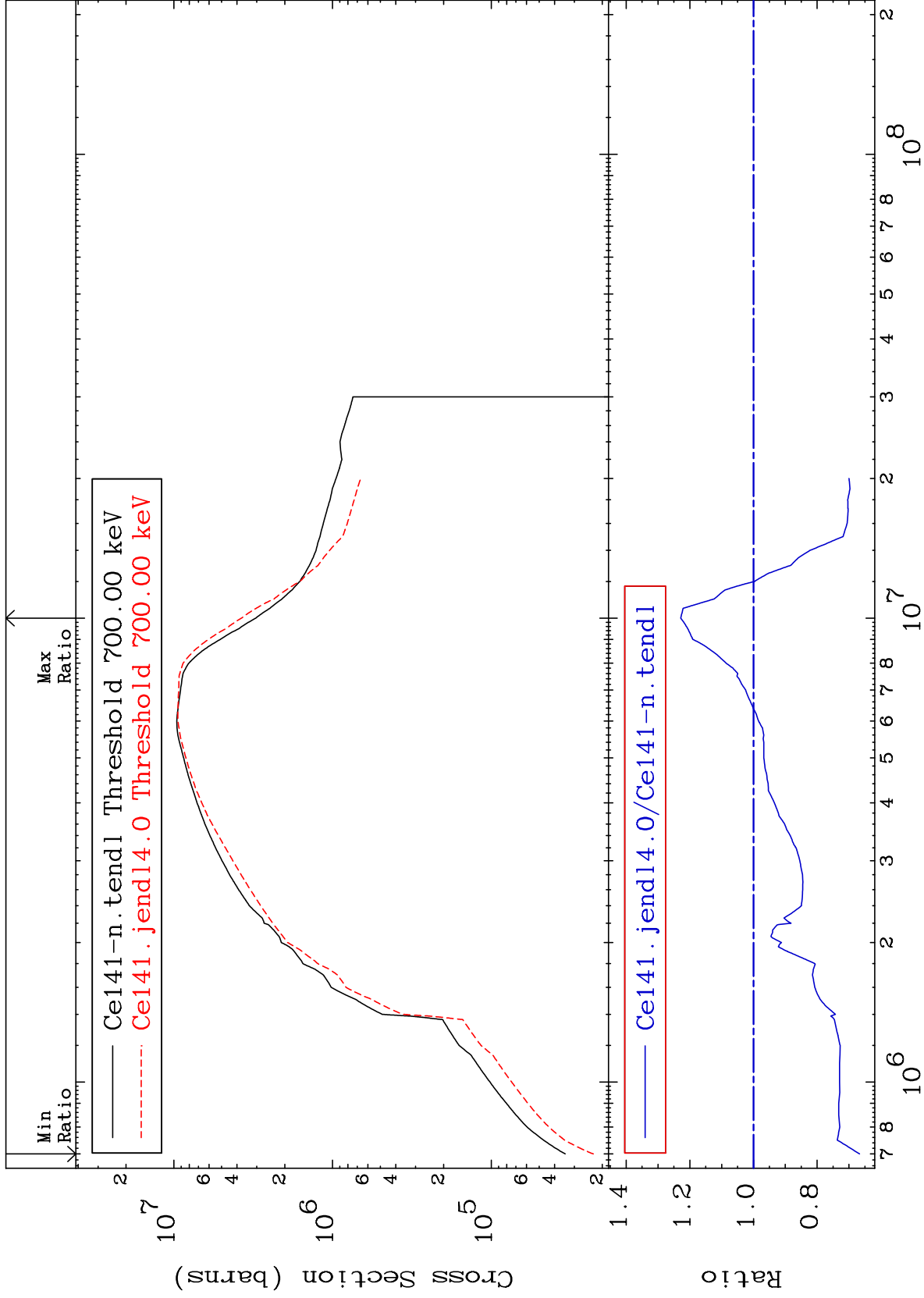
MAT 5840

Kerma inelastic (mt51-91)

58-Ce-141

-33.32 To 22.84 %

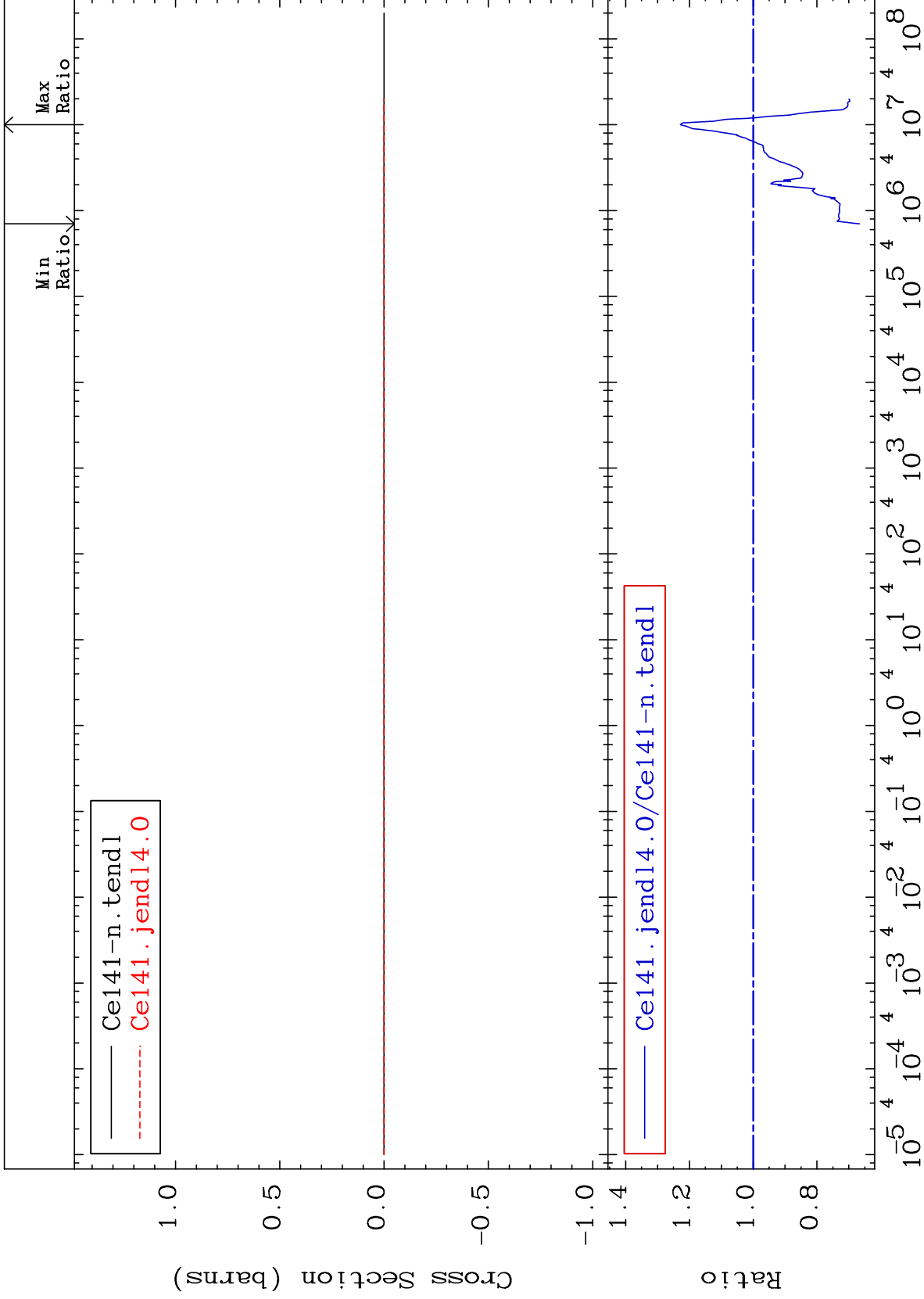
Cross Section



MAT 5840

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

58-Ce-141
-33.32 To 22.84 %



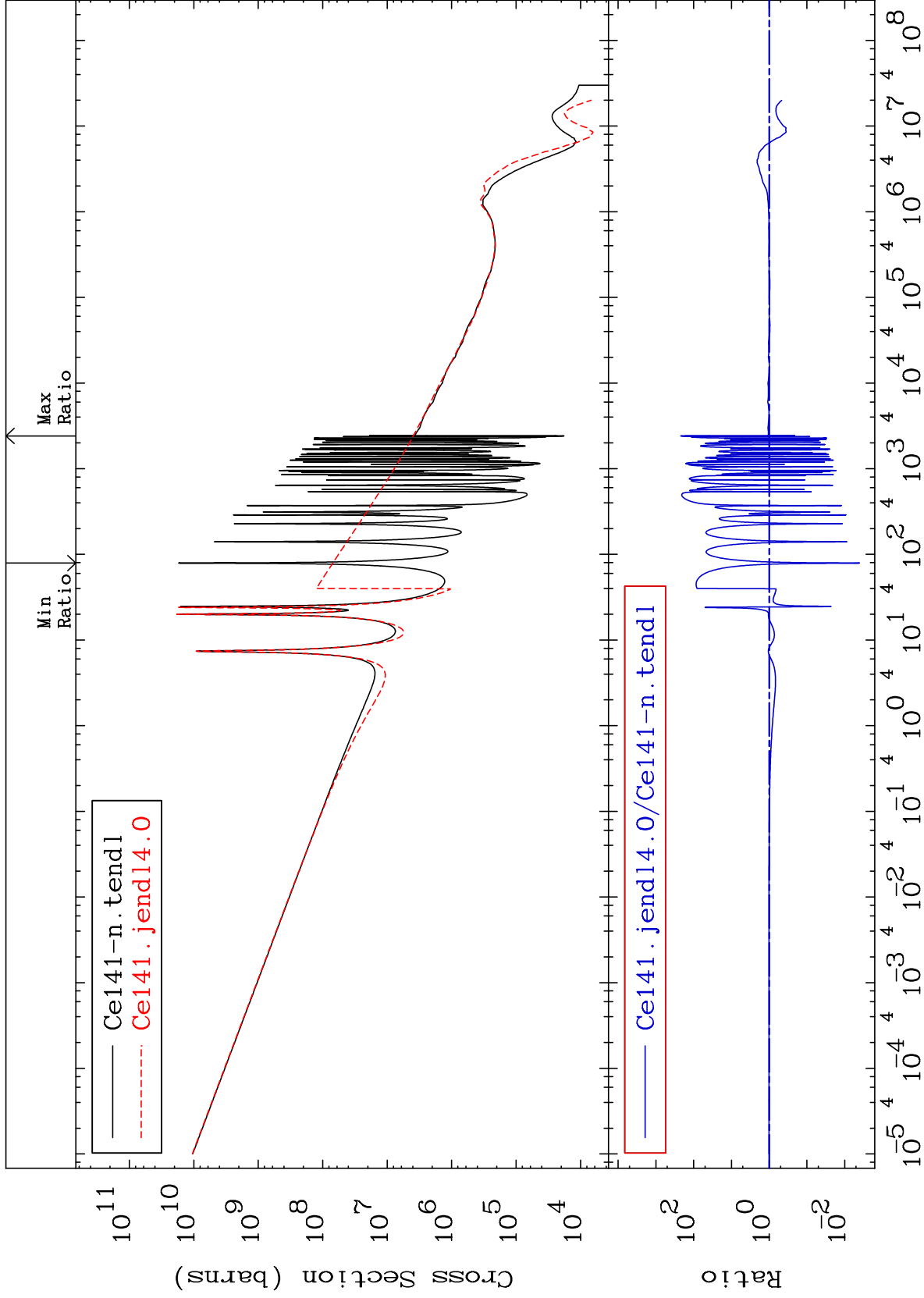
MAT 5840

Kerma capture (mt102)

58-Ce-141

-99.59 To 9999. %

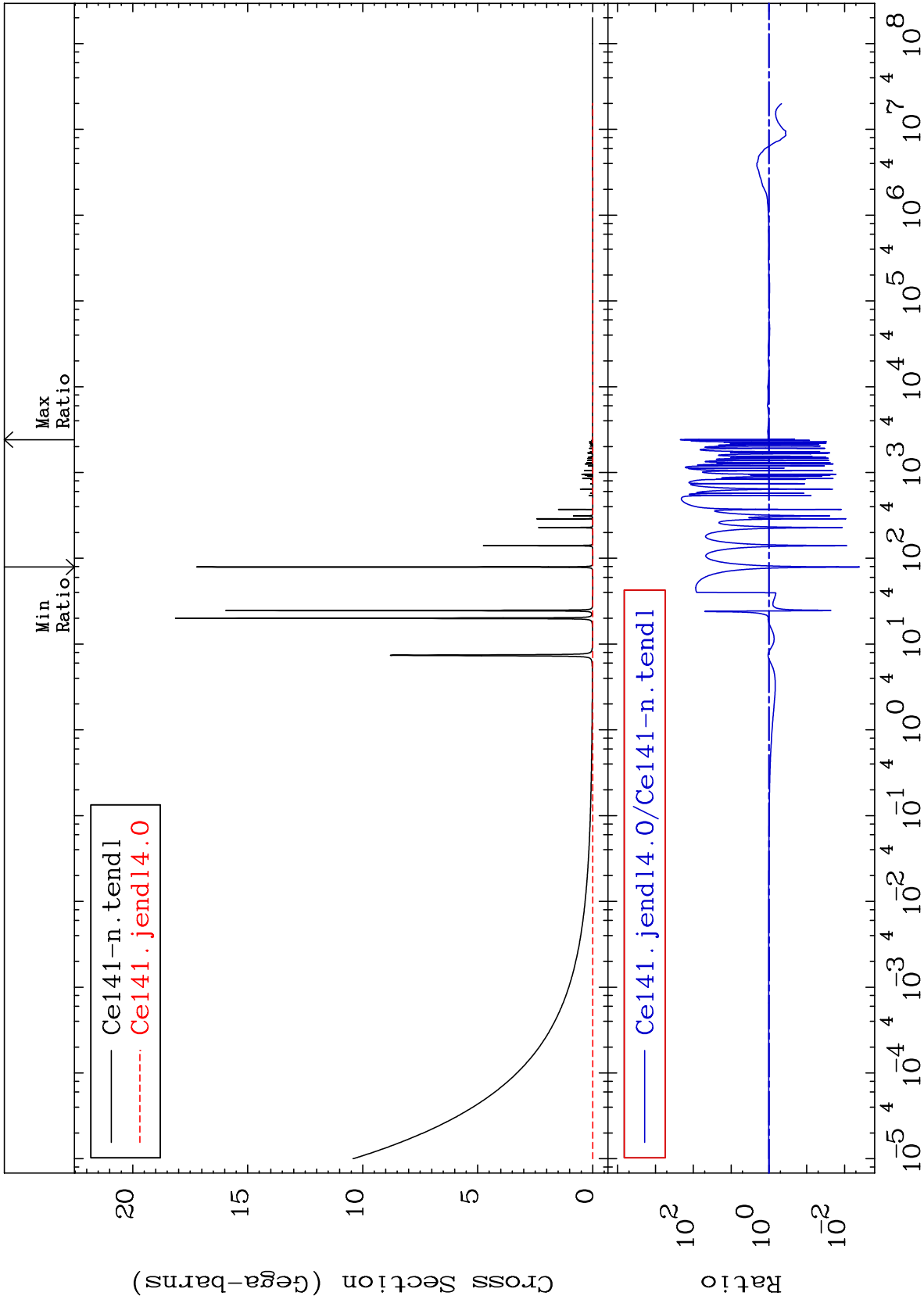
Cross Section

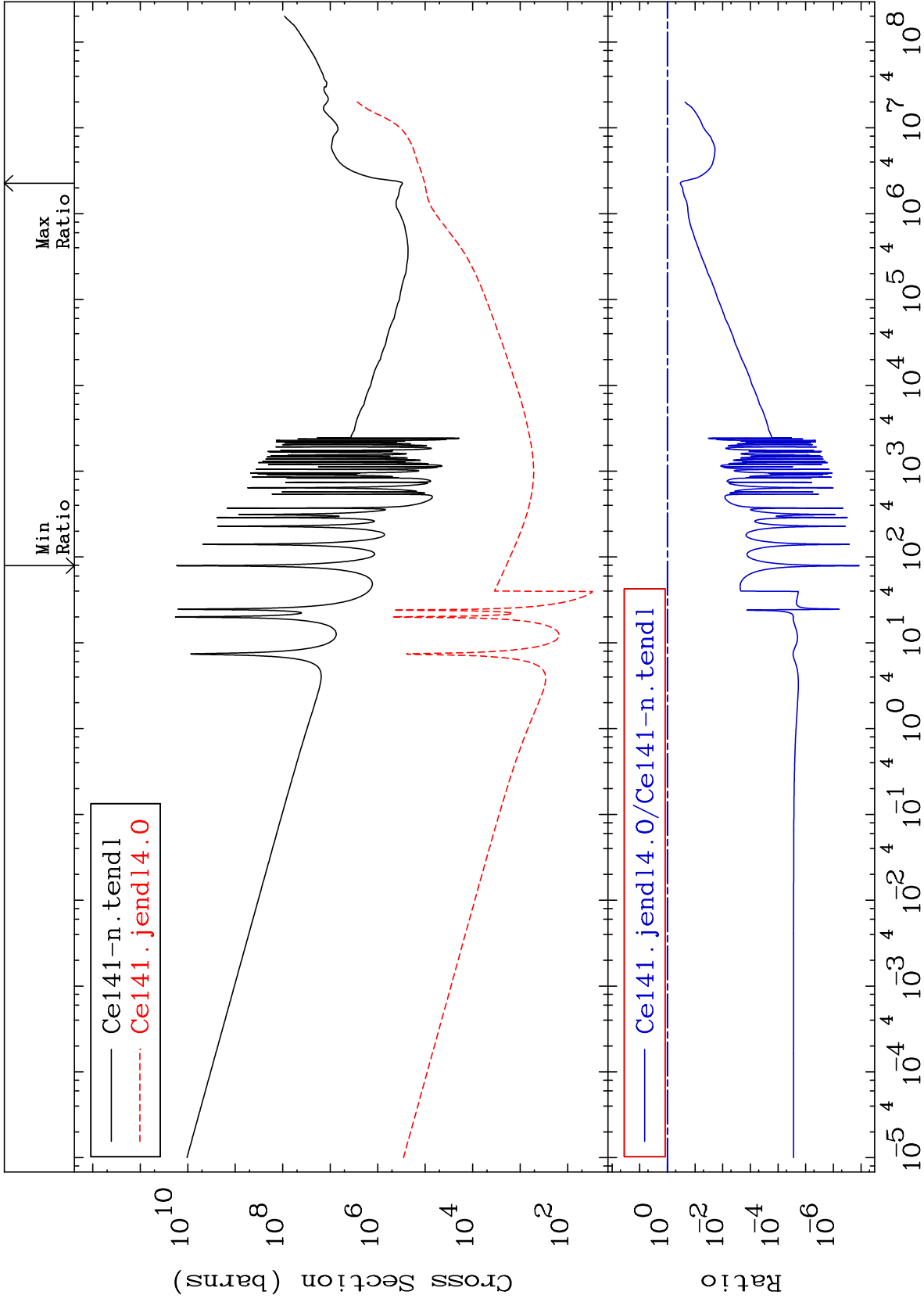


40

Incident Energy (eV)

58-Ce-141





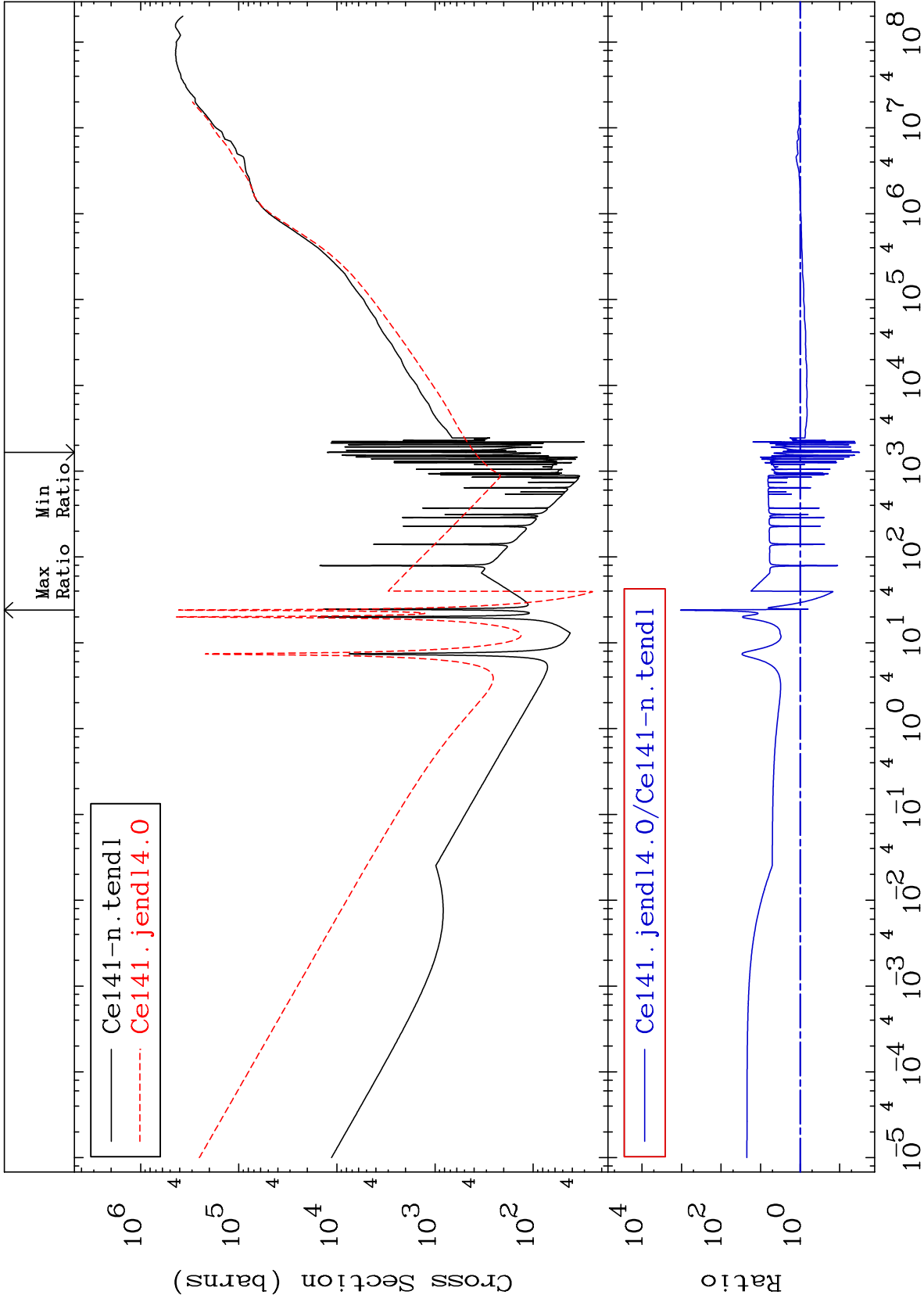
MAT 5840

Dpa total (eV-barns)

58-Ce-141

-96.84 To 9999. %

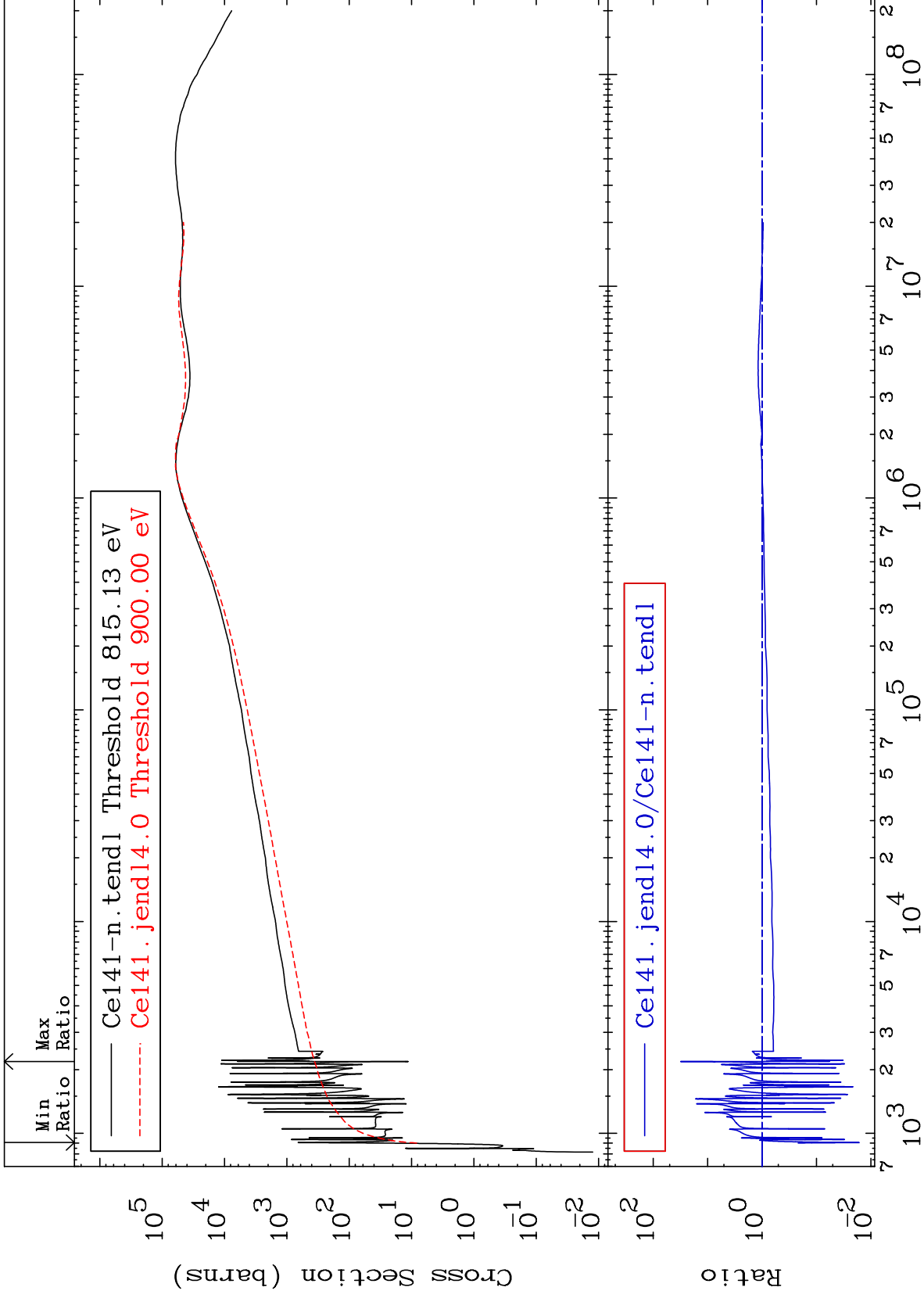
Cross Section



MAT 5840

Dpa elastic (mt2)
Cross Section

58-Ce-141
-98.38 To 3068. %



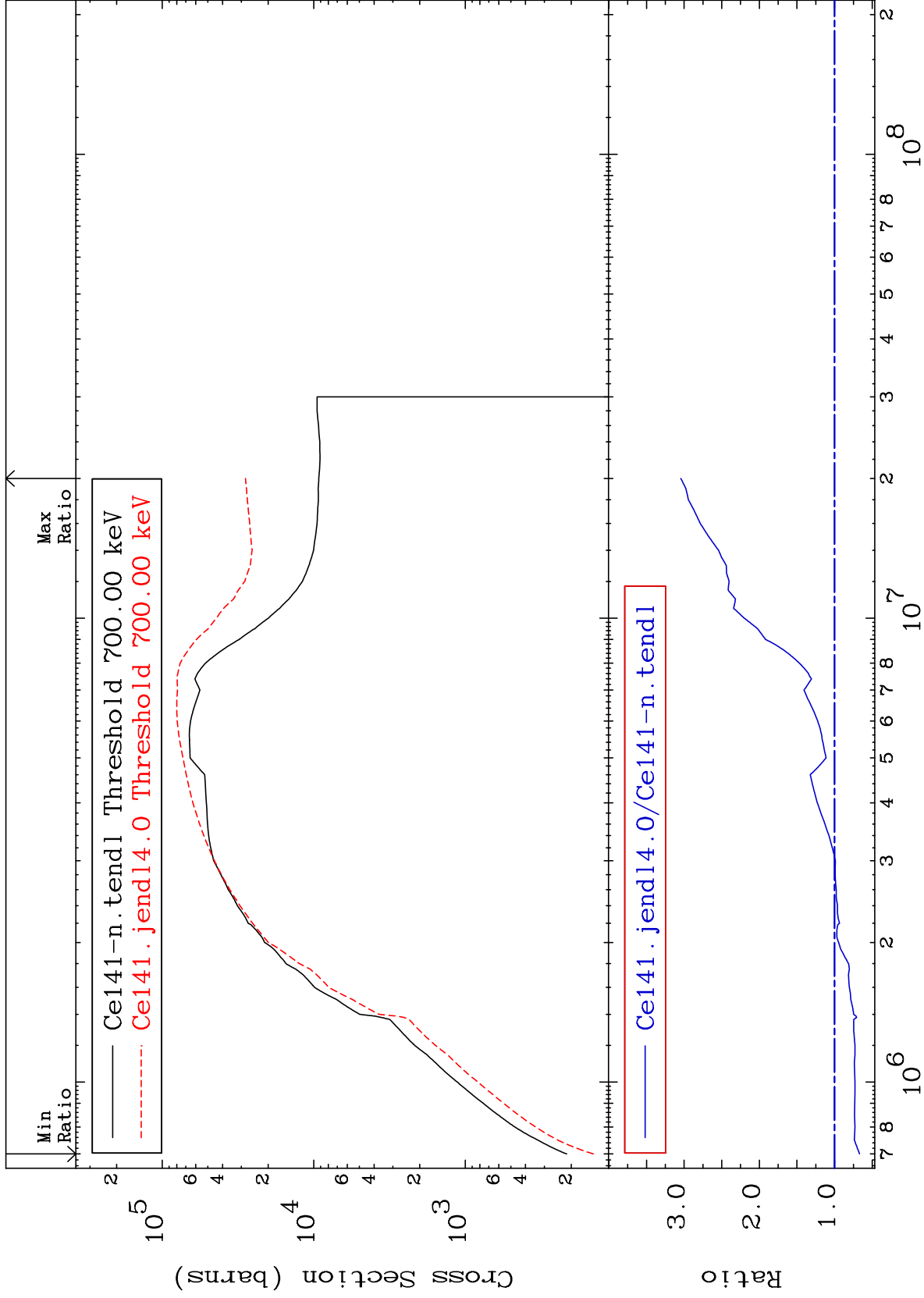
MAT 5840

Dpa inelastic (mt51-91)

58-Ce-141

-33.16 To 204.5 %

Cross Section



45

Incident Energy (eV)

58-Ce-141

