

Program Complot
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

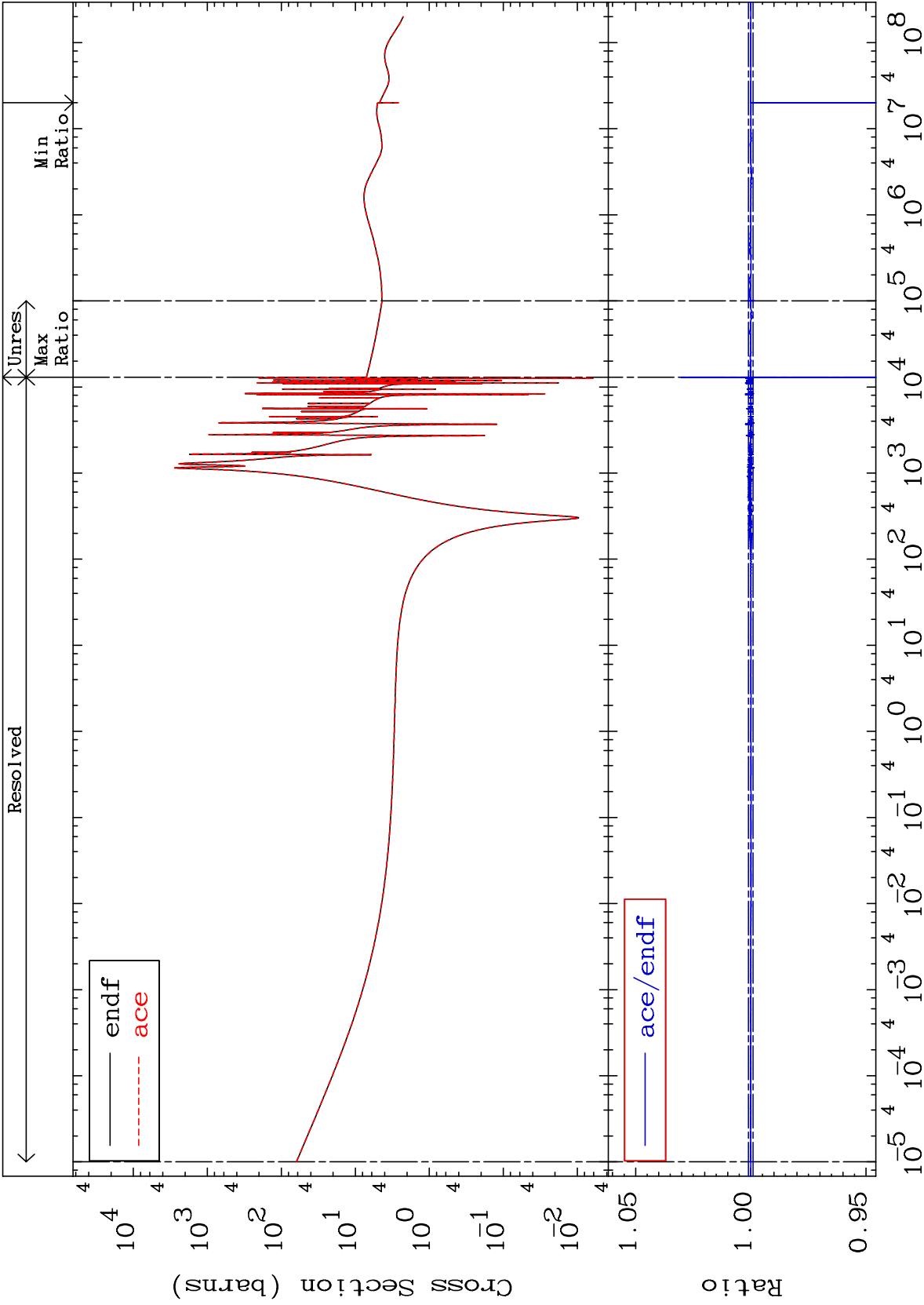
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5843

Total
Cross Section

58-Ce-142
-47.77 To 3.034 %



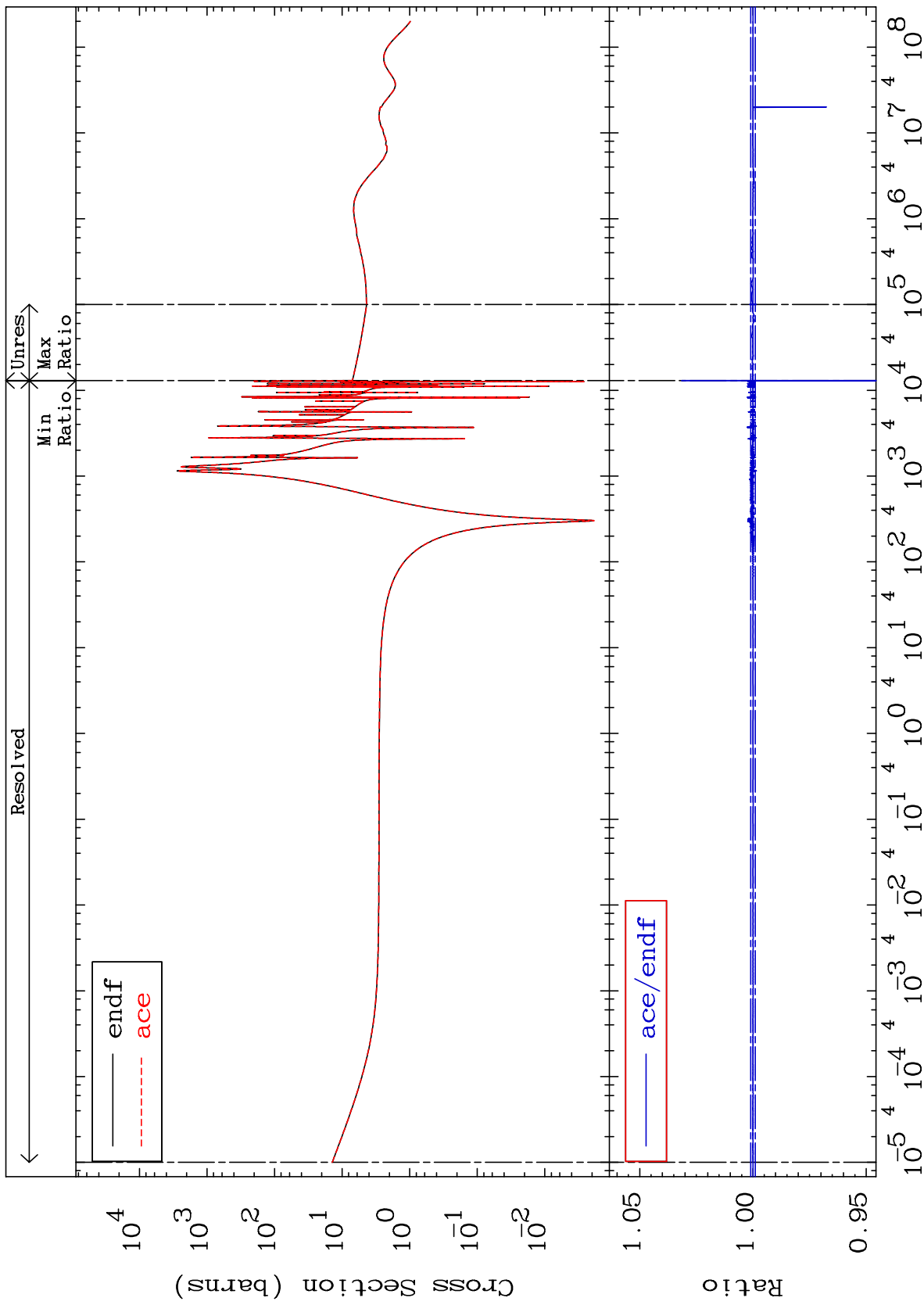
Incident Energy (eV)

58-Ce-142

MAT 5843

Elastic
Cross Section

58-Ce-142
-8.068 To 3.145 %



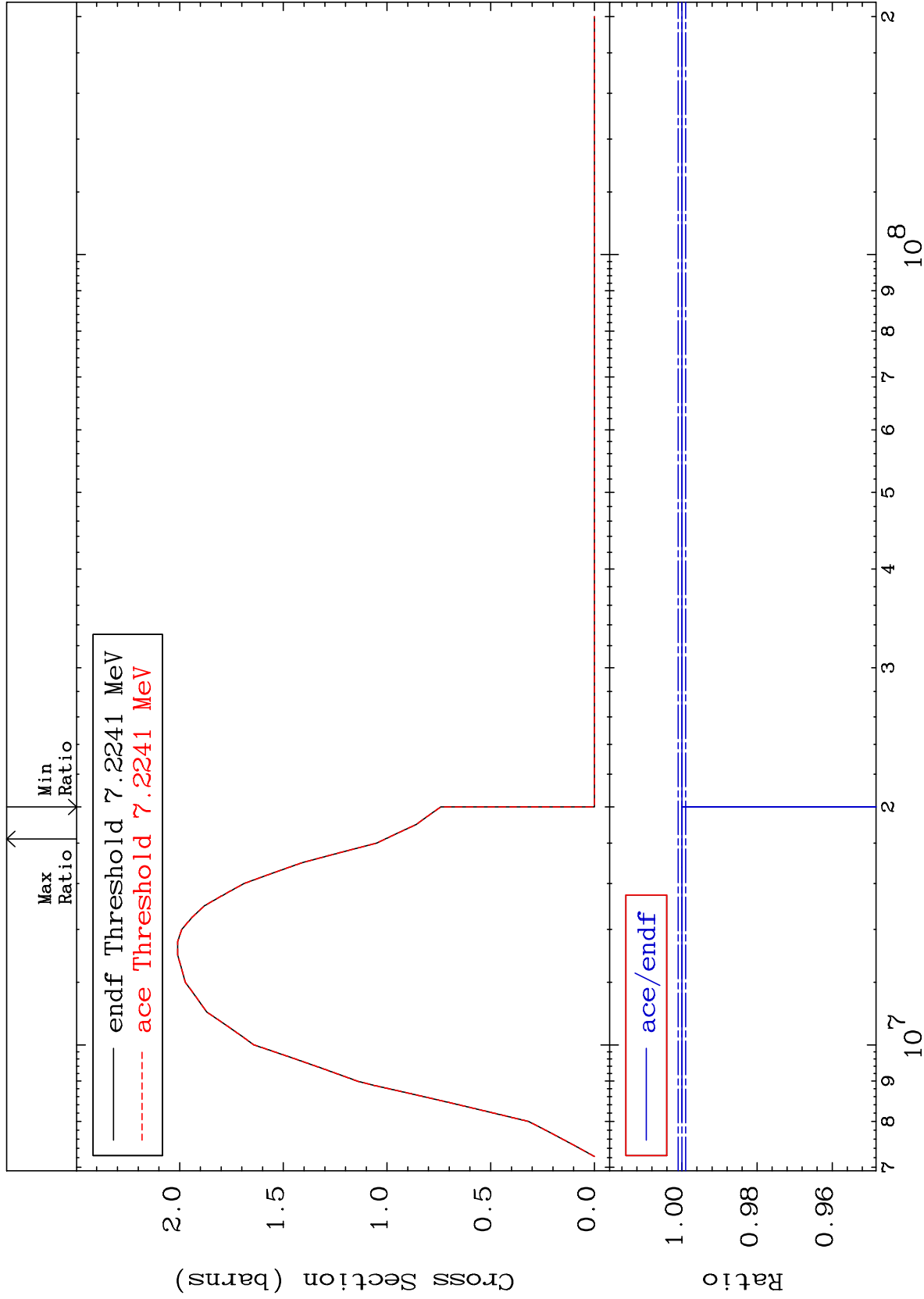
MAT 5843

(n,2n)

58-Ce-142

Cross Section

-100.0 To 0.000 %



3

Incident Energy (eV)

58-Ce-142

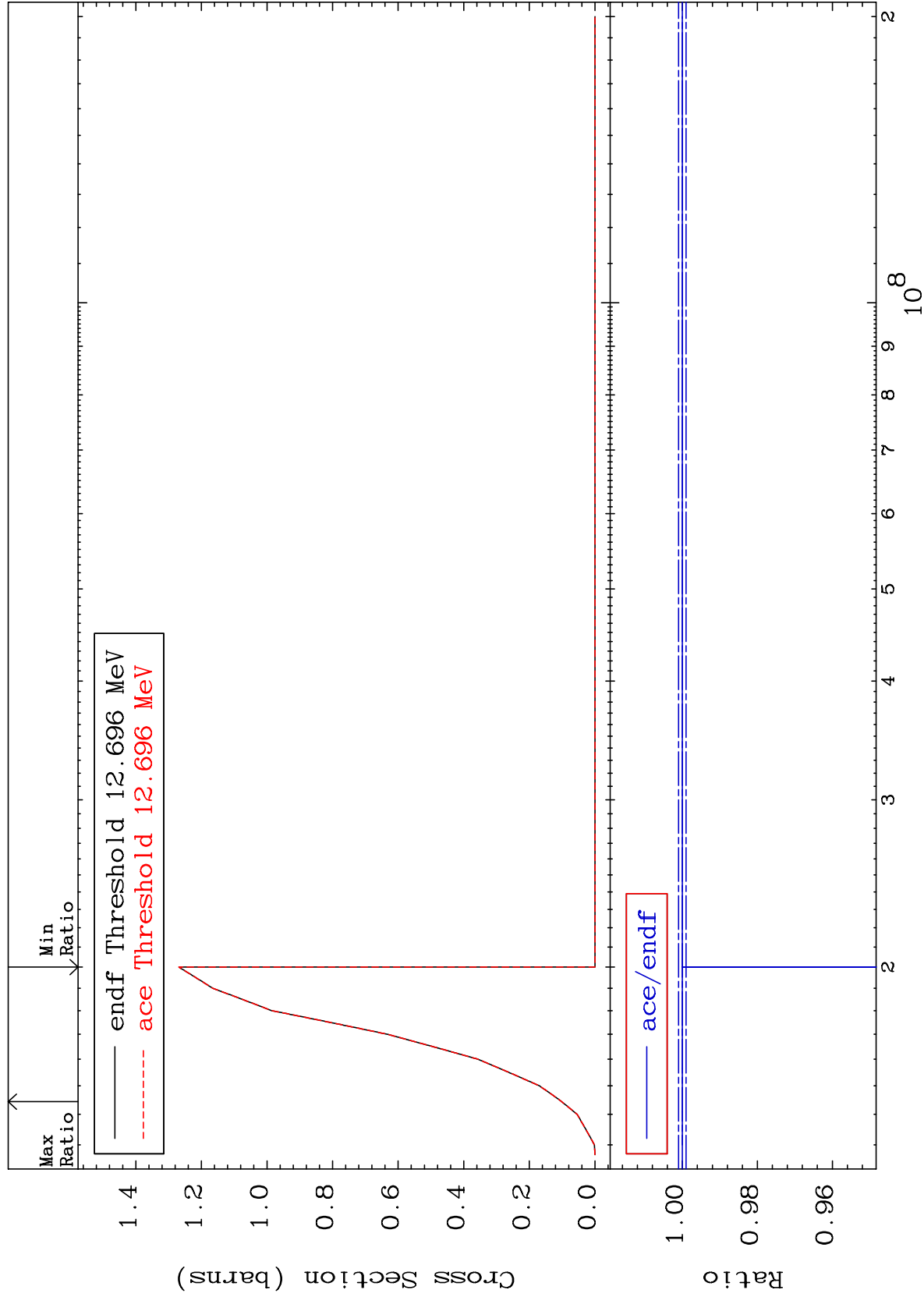
MAT 5843

(n, 3n)

58-Ce-142

Cross Section

-100.0 To 0.000 %



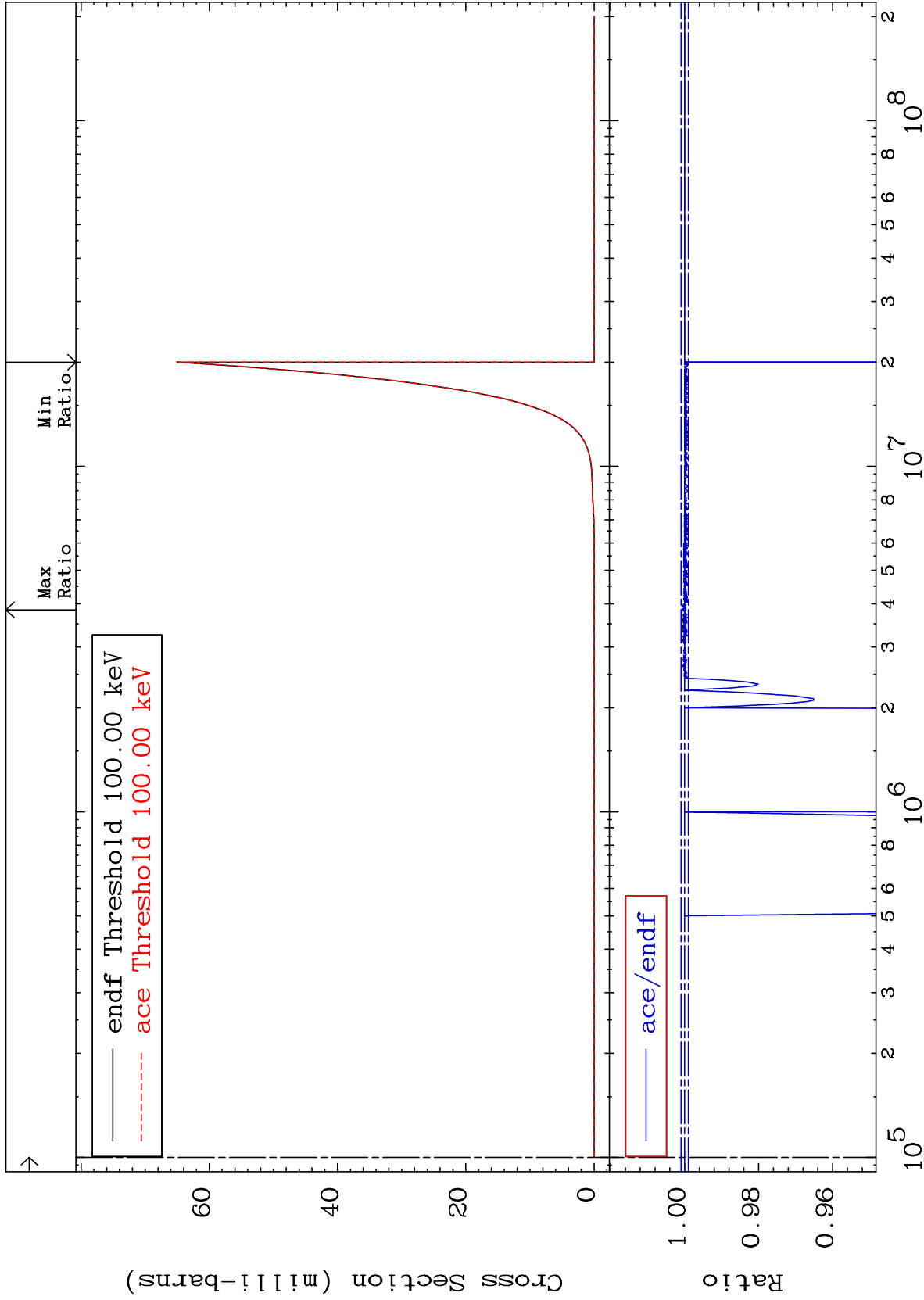
MAT 5843

(n, n') α

58-Ce-142

Cross Section

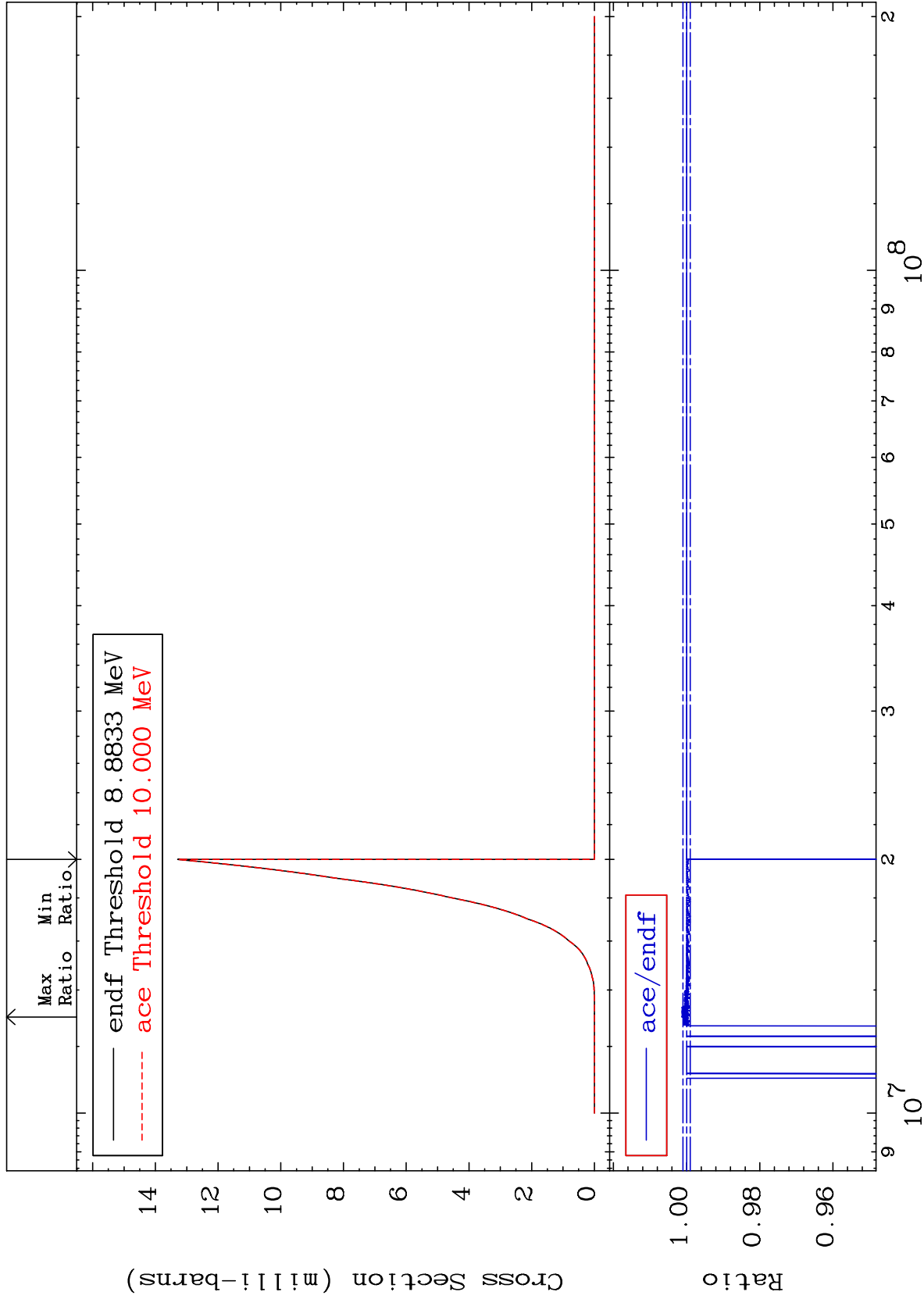
-100.0 To 0.079 %



MAT 5843

(n, n') p
Cross Section

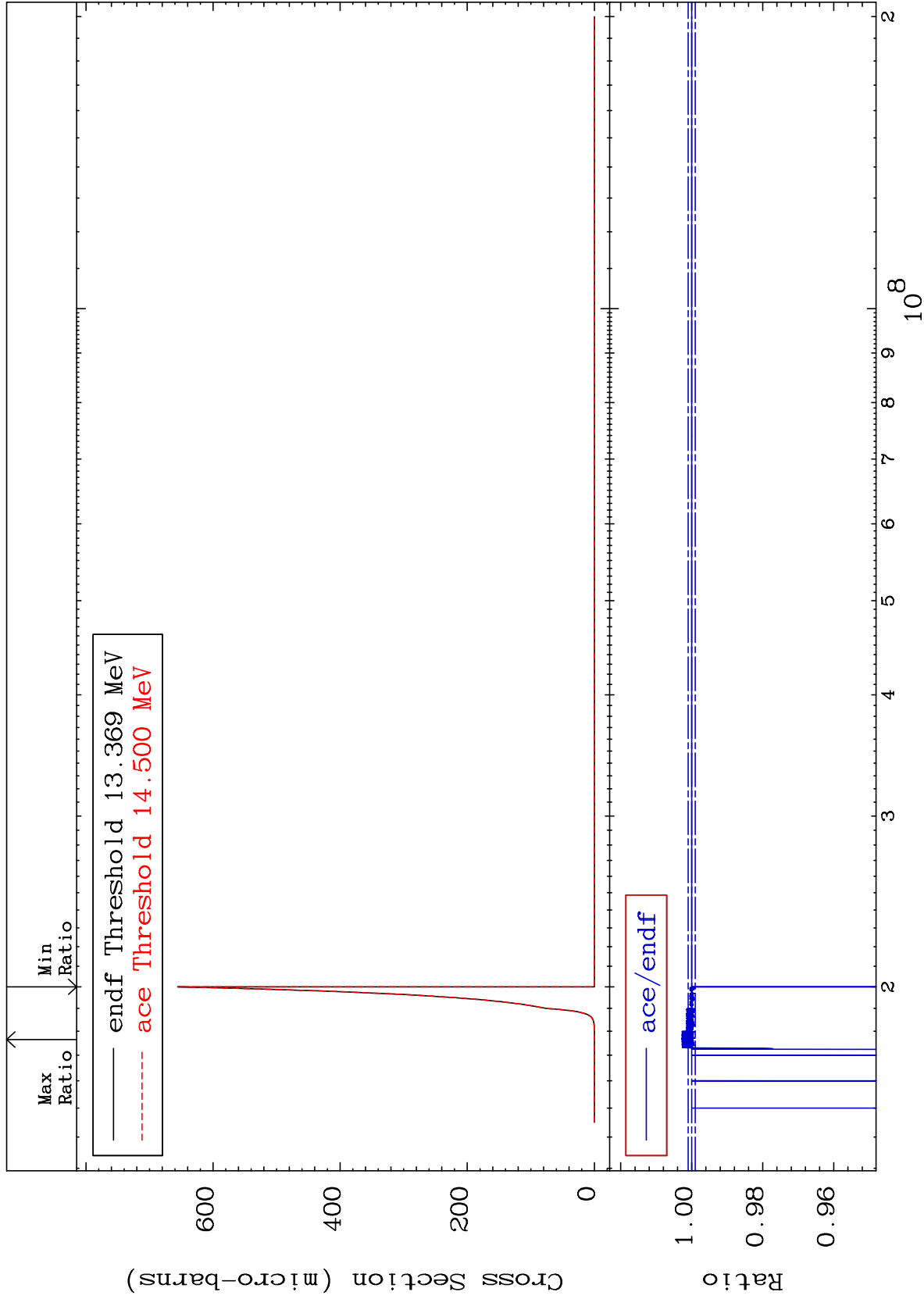
58-Ce-142
-100.0 To 0.127 %



MAT 5843

(n, n') d
Cross Section

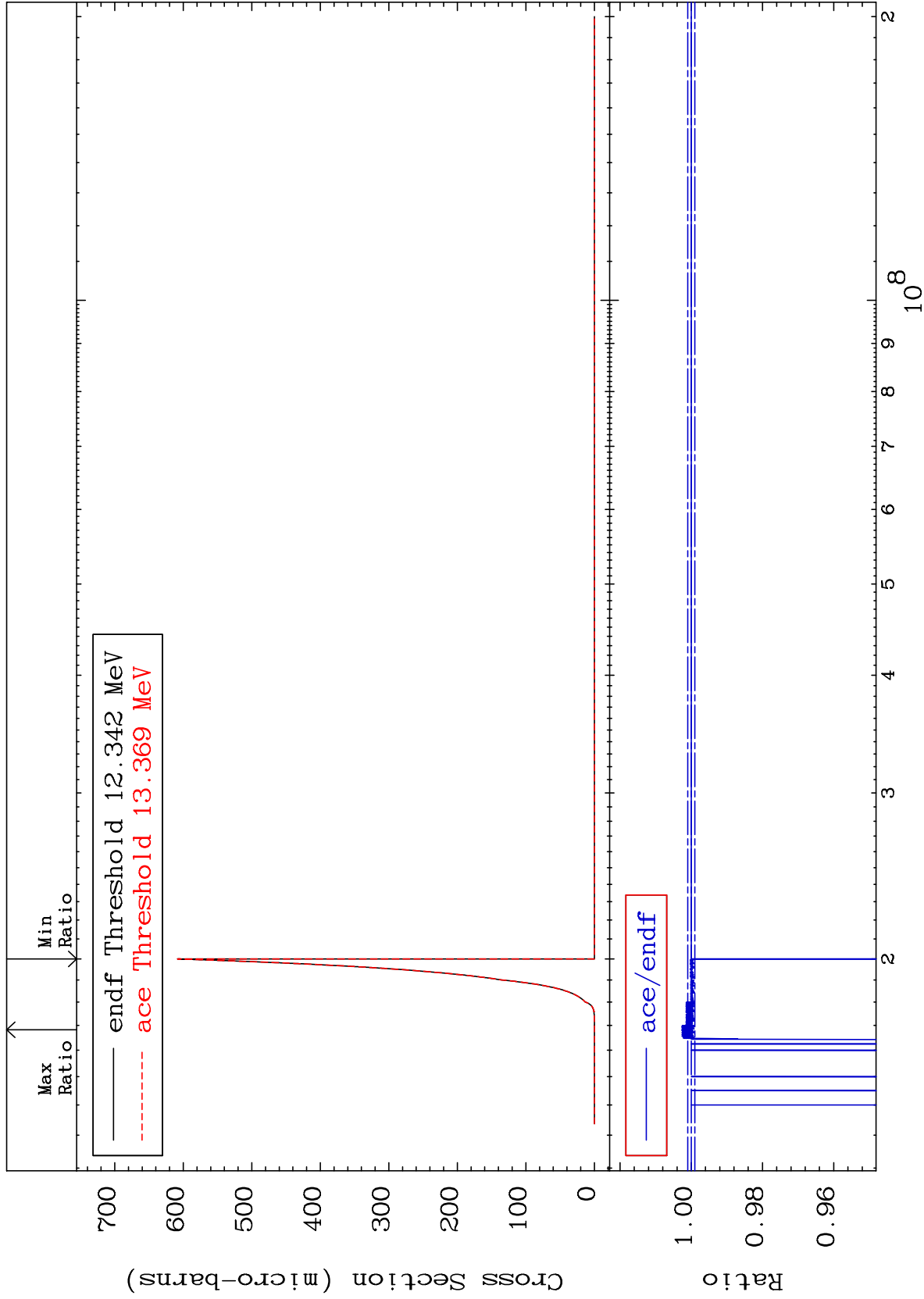
58-Ce-142
-100.0 To 0.276 %



MAT 5843

(n, n') t
Cross Section

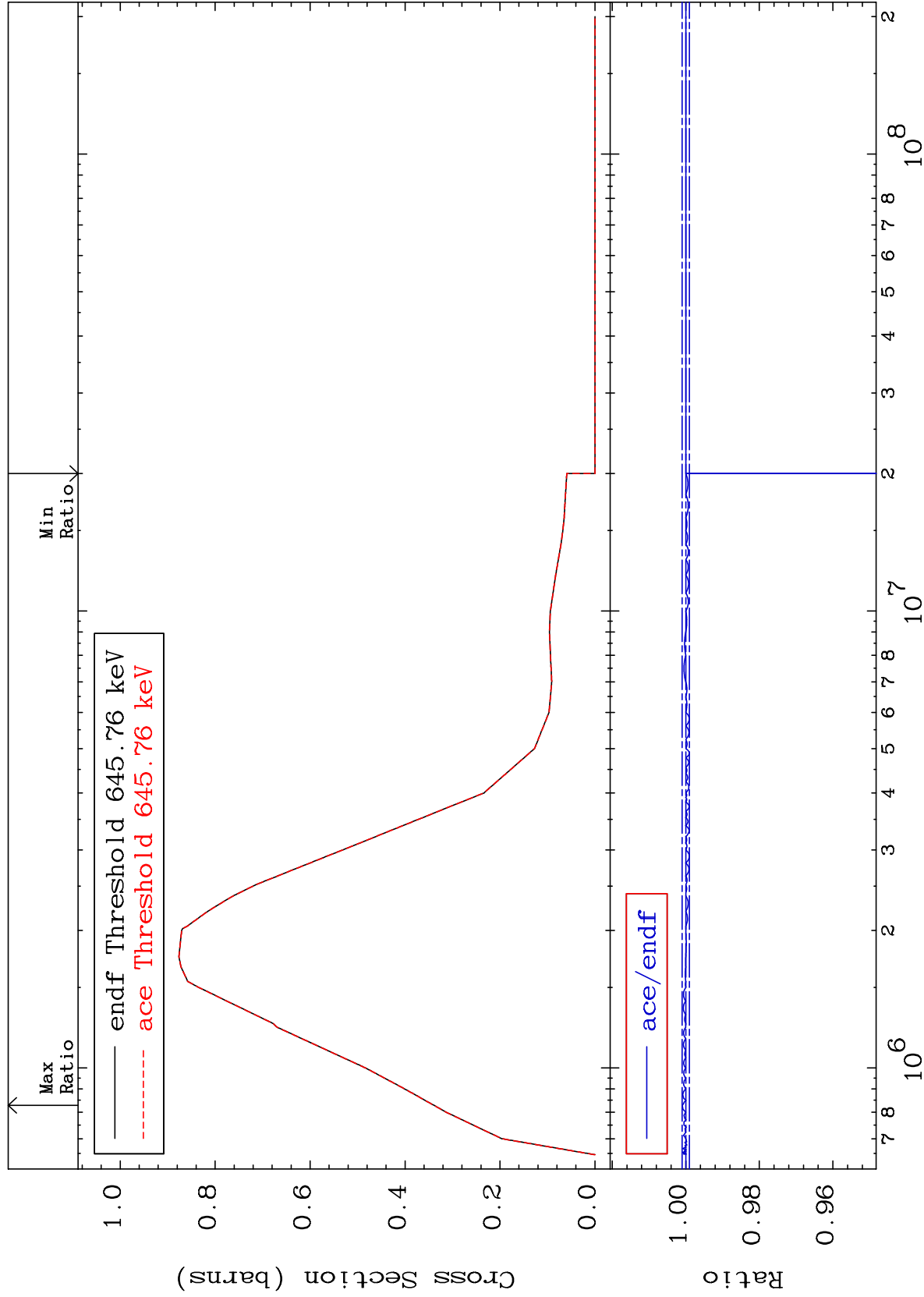
58-Ce-142
-100.0 To 0.261 %



MAT 5843

641.2 keV (n,n') Level
Cross Section

58-Ce-142
-100.0 To 0.093 %



9

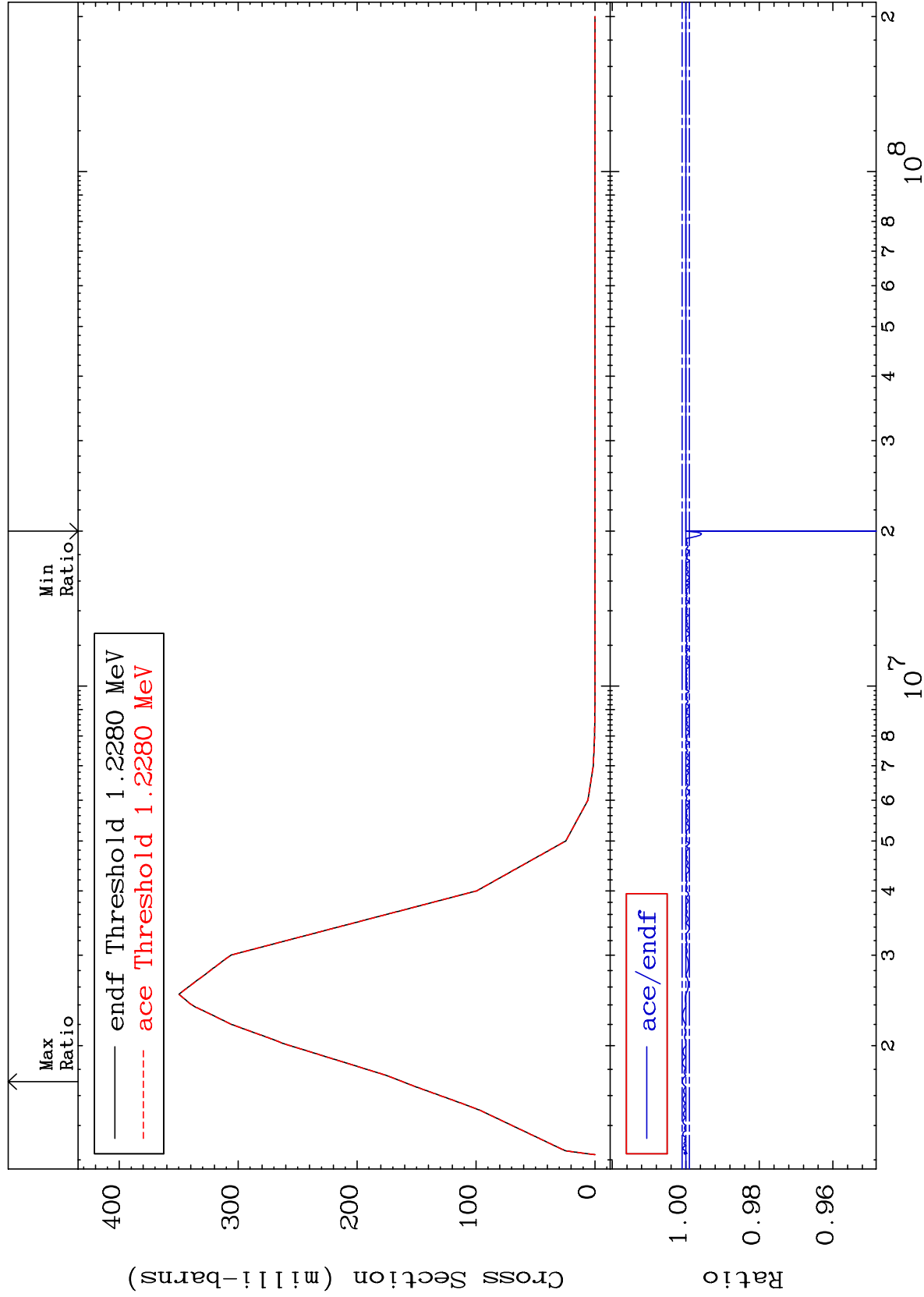
Incident Energy (eV)

58-Ce-142

MAT 5843

1.219 MeV (n,n') Level
Cross Section

58-Ce-142
-100.0 To 0.093 %



10

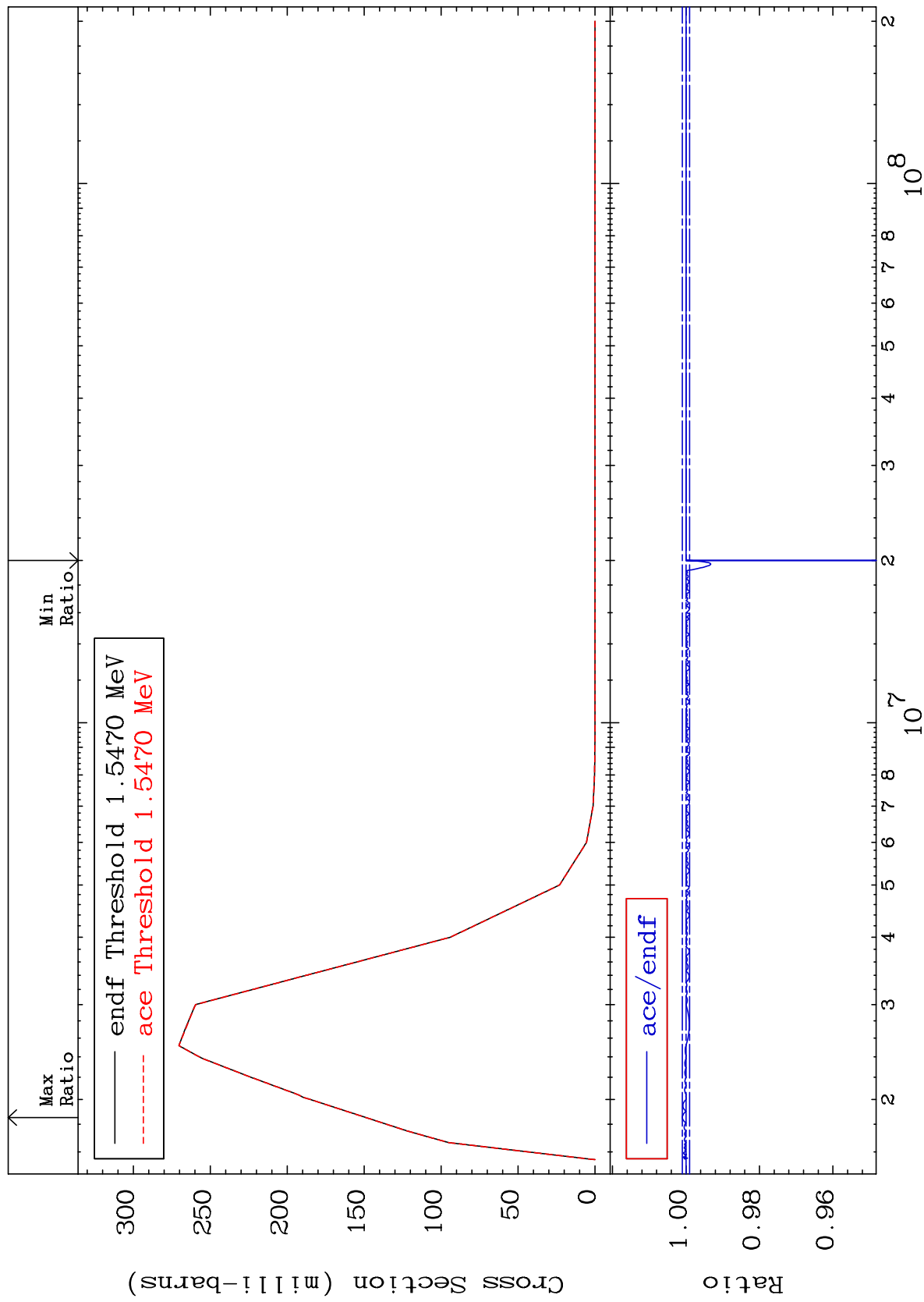
Incident Energy (eV)

58-Ce-142

MAT 5843

1.536 MeV (n,n') Level
Cross Section

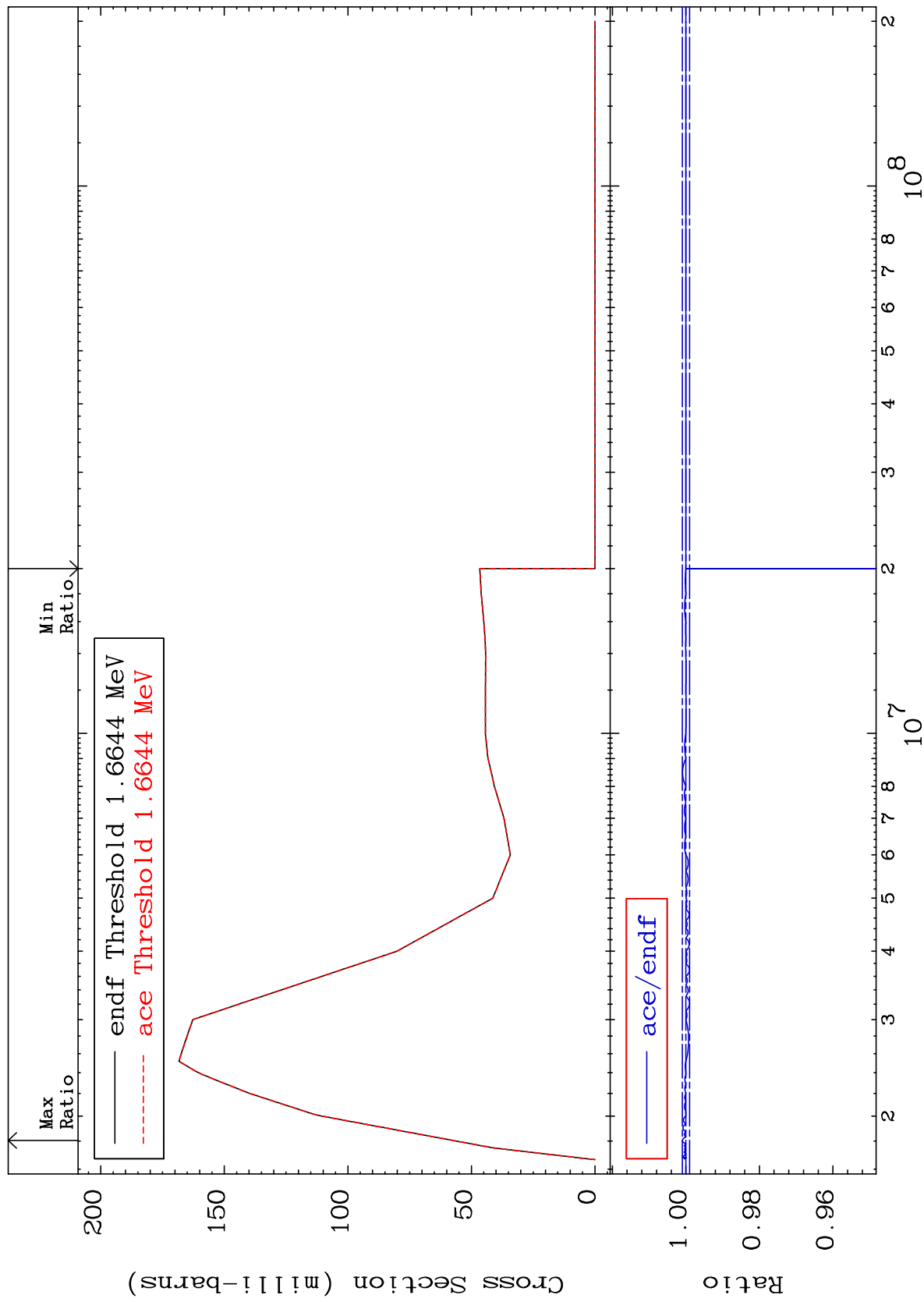
58-Ce-142
-100.0 To 0.098 %



MAT 5843

1.653 MeV (n,n') Level
Cross Section

58-Ce-142
-100.0 To 0.096 %



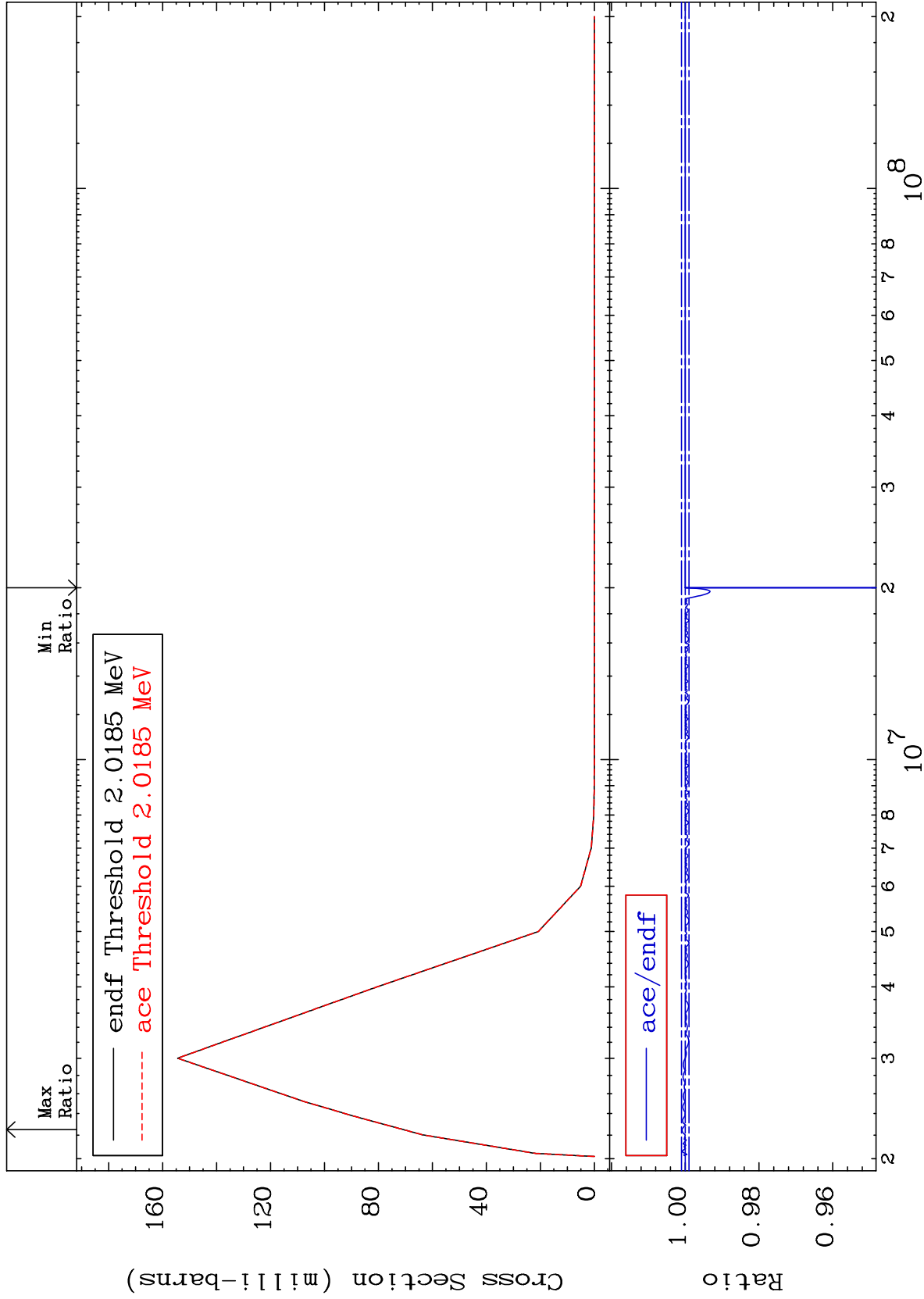
12

58-Ce-142

MAT 5843

2.004 MeV (n,n') Level
Cross Section

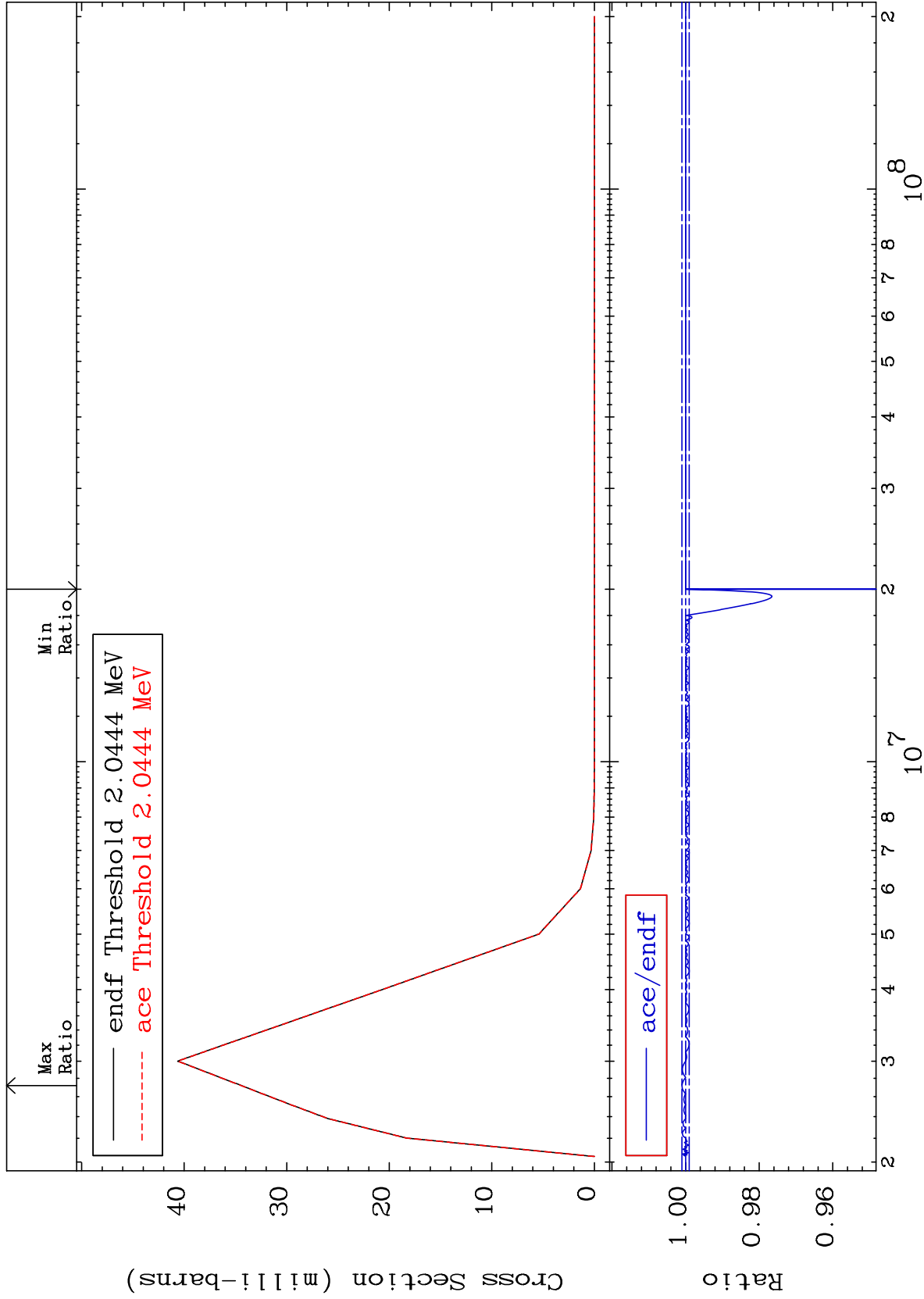
58-Ce-142
-100.0 To 0.090 %



13

58-Ce-142

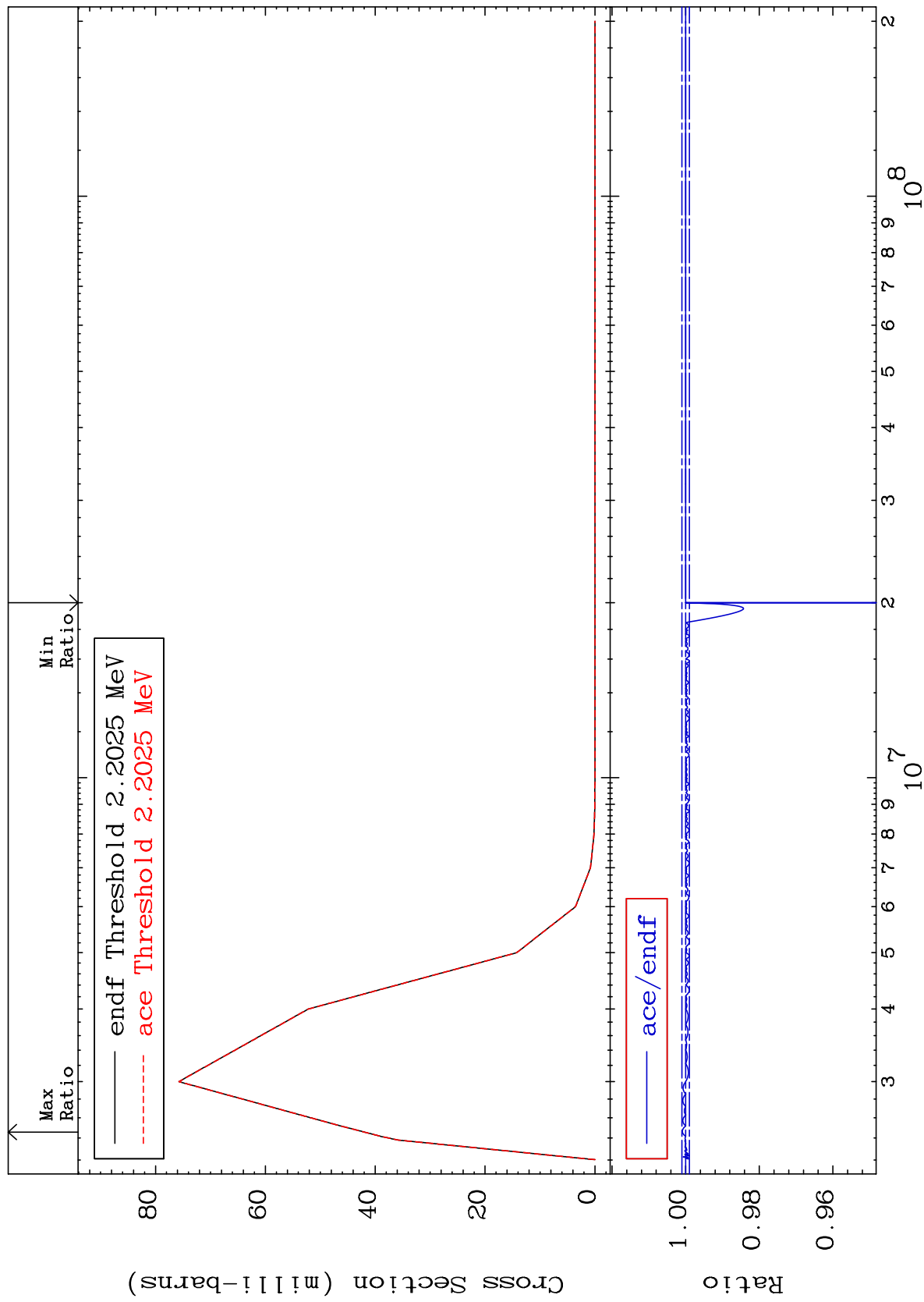
MAT 5843 2.030 MeV (n,n') Level 58-Ce-142
 Cross Section -100.0 To 0.099 %



MAT 5843

2.187 MeV (n,n') Level
Cross Section

58-Ce-142
-100.0 To 0.089 %



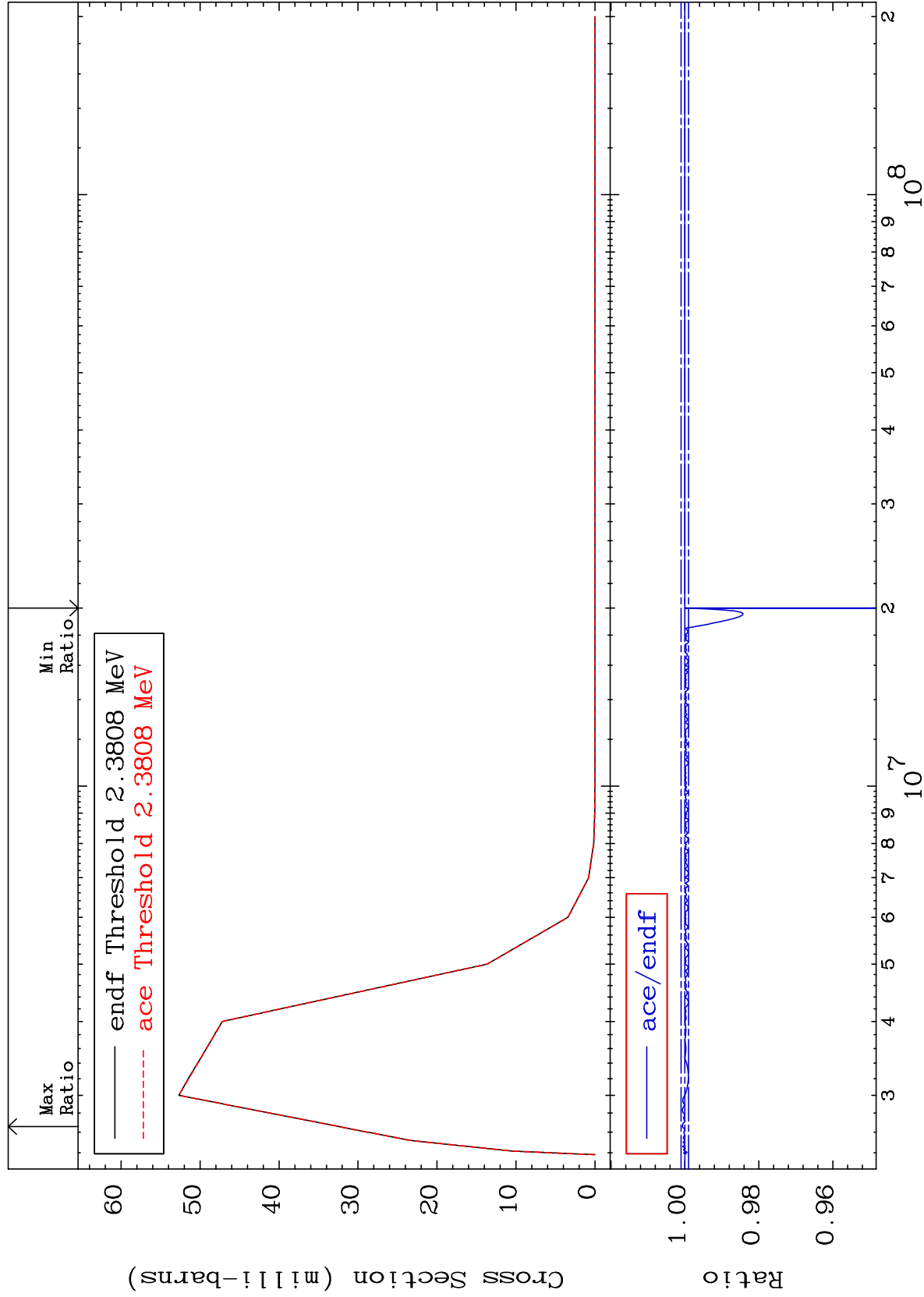
15

58-Ce-142

MAT 5843

2.364 MeV (n,n') Level
Cross Section

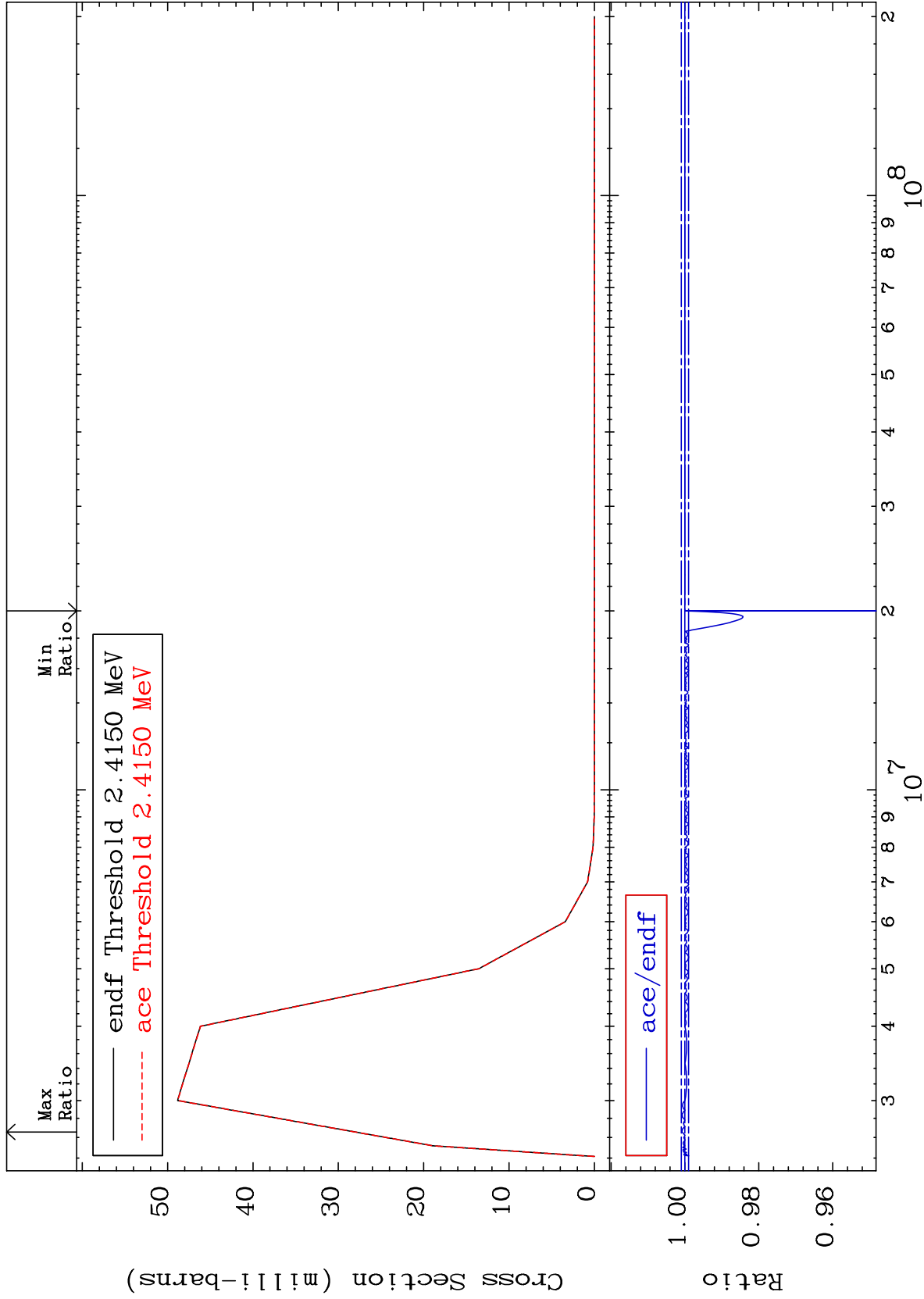
58-Ce-142
-100.0 To 0.068 %



MAT 5843

2.398 MeV (n,n') Level
Cross Section

58-Ce-142
-100.0 To 0.080 %



17

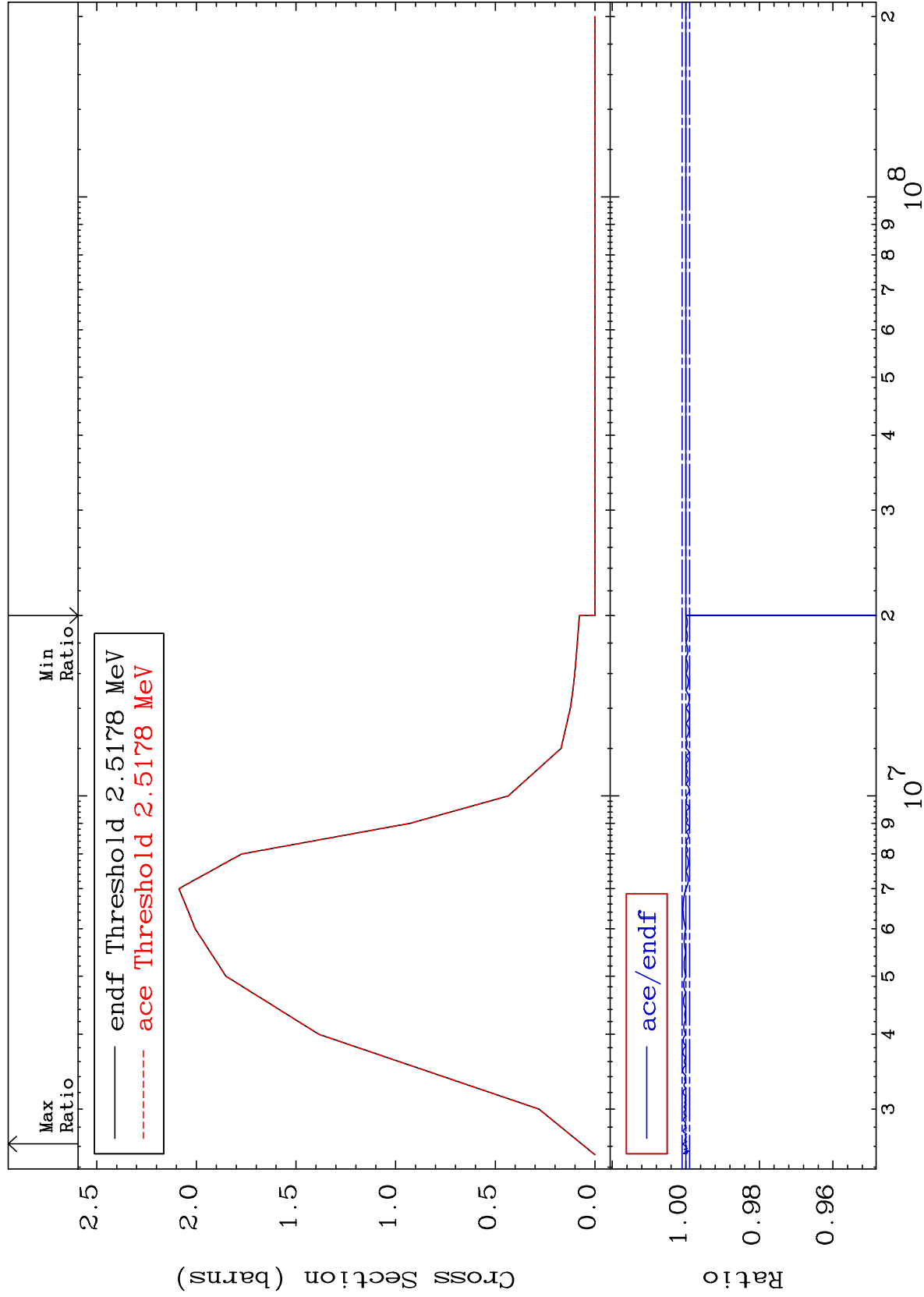
Incident Energy (eV)

58-Ce-142

MAT 5843

(n,n') Continuum
Cross Section

58-Ce-142
-100.0 To 0.094 %



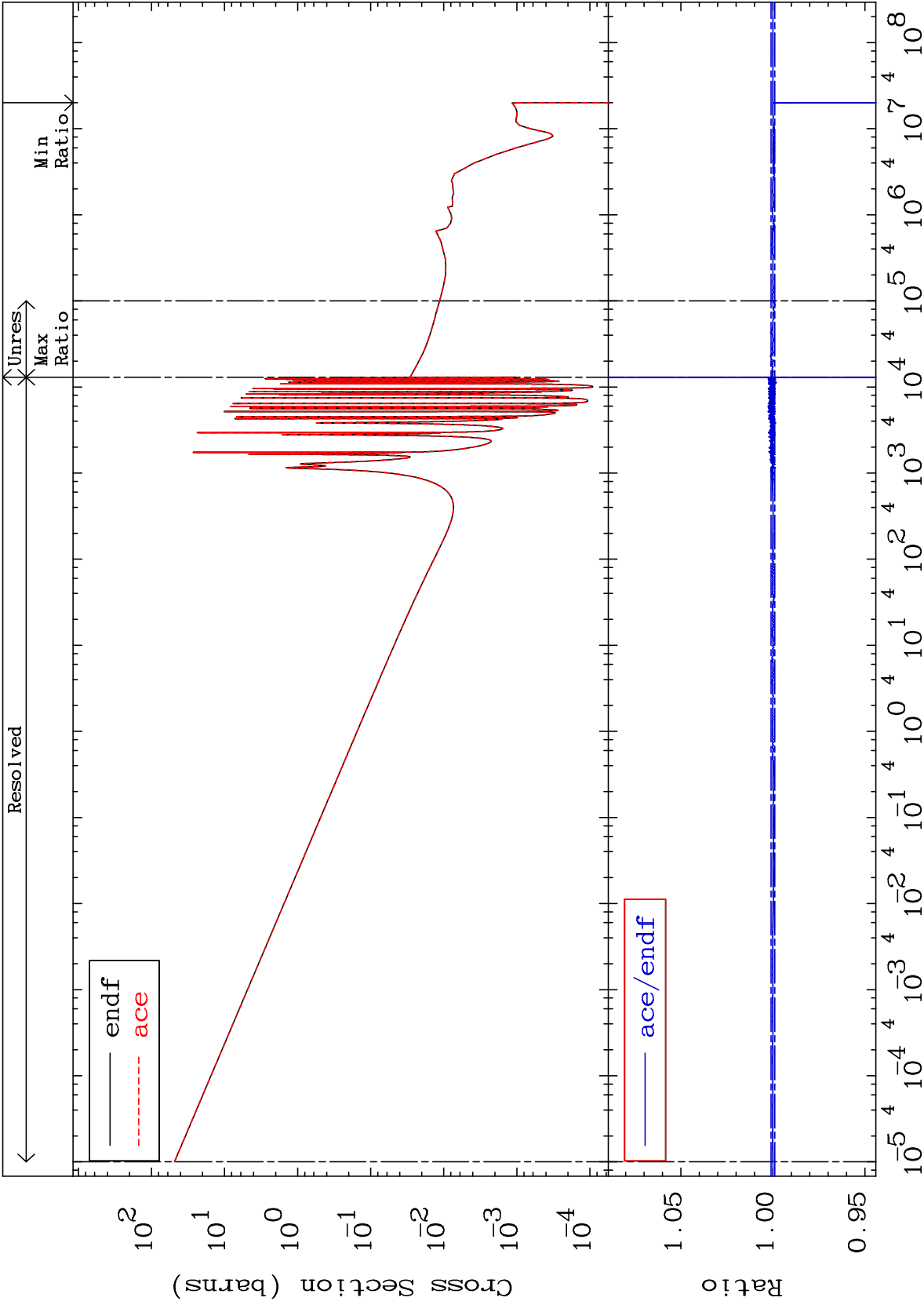
18

58-Ce-142

MAT 5843

(n, γ)
Cross Section

58-Ce-142
-50.63 To 2011. %



19

Incident Energy (eV)

58-Ce-142

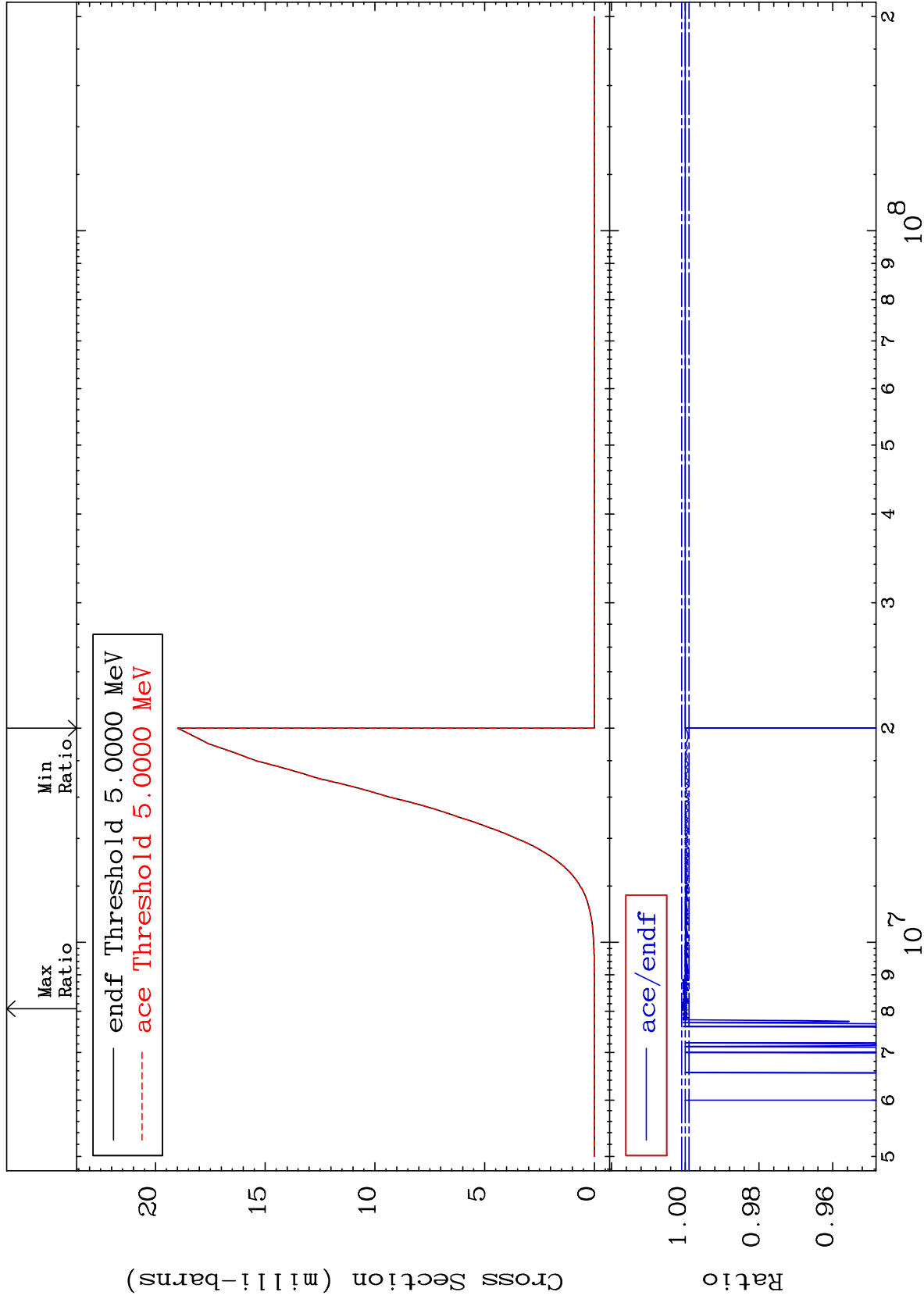
MAT 5843

(n,p)

58-Ce-142

Cross Section

-100.0 To 0.091 %



20

Incident Energy (eV)

58-Ce-142

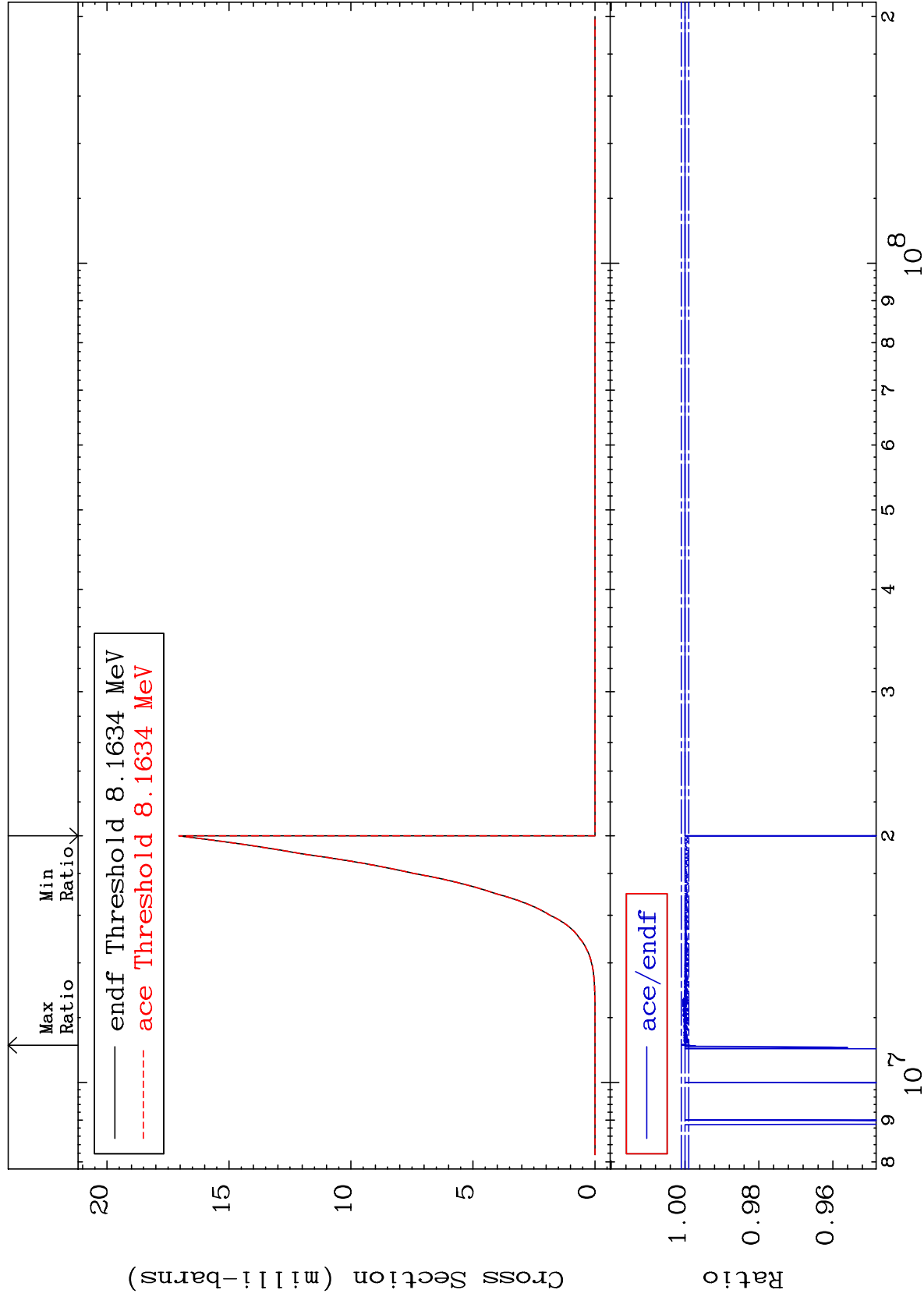
MAT 5843

(n, d)

58-Ce-142

Cross Section

-100.0 To 0.071 %



21

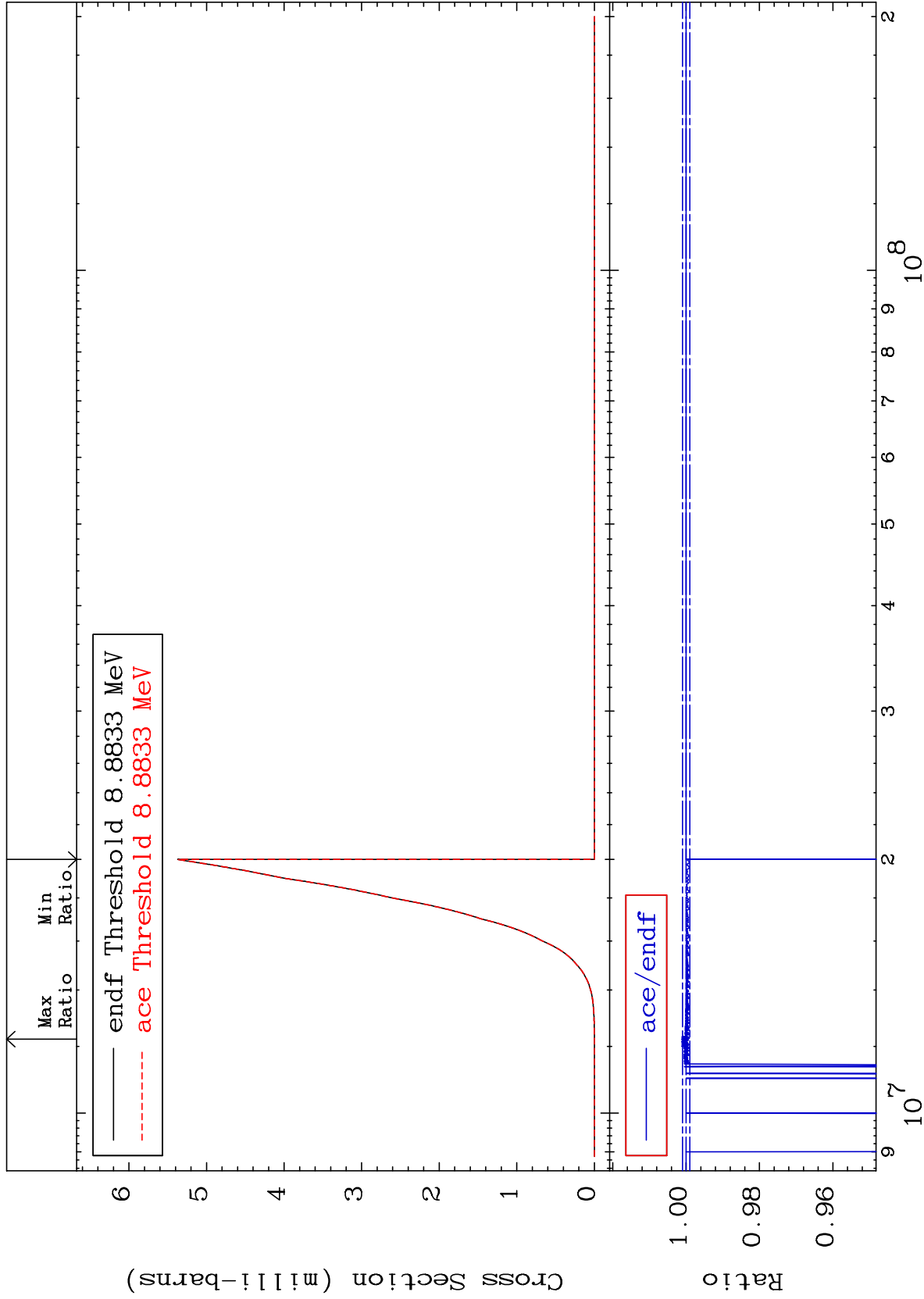
Incident Energy (eV)

58-Ce-142

MAT 5843

(n, t)
Cross Section

58-Ce-142
-100.0 To 0.113 %



22

Incident Energy (eV)

58-Ce-142

MAT 5843

58-Ce-142
-100.0 To 0.096 %

(n, α)
Cross Section

