

Program Complot  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

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

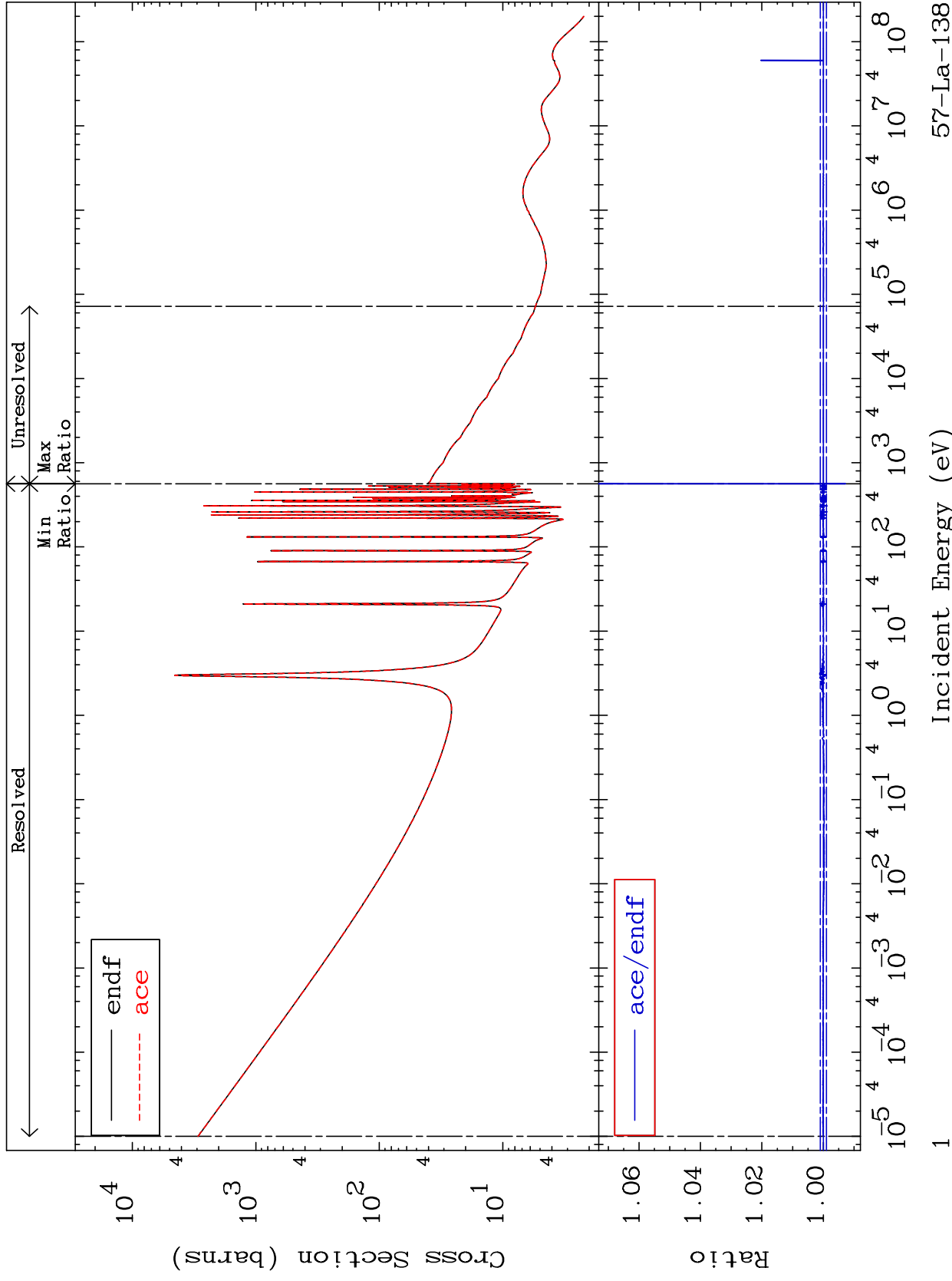
Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 5725

Total Cross Section  
57-La-138  
-0.722 To 233.2 %

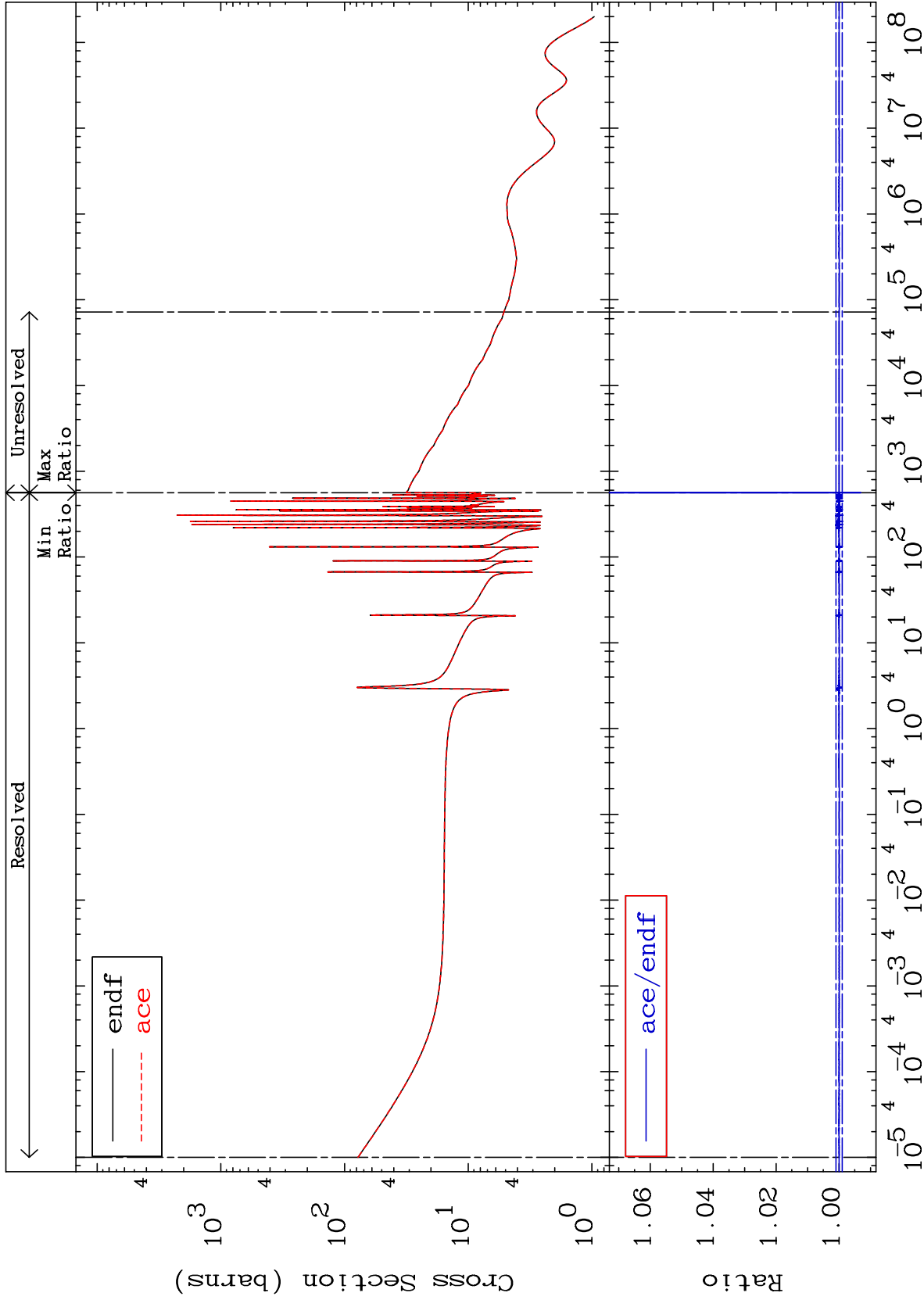


57-La-138

MAT 5725

Elastic  
Cross Section

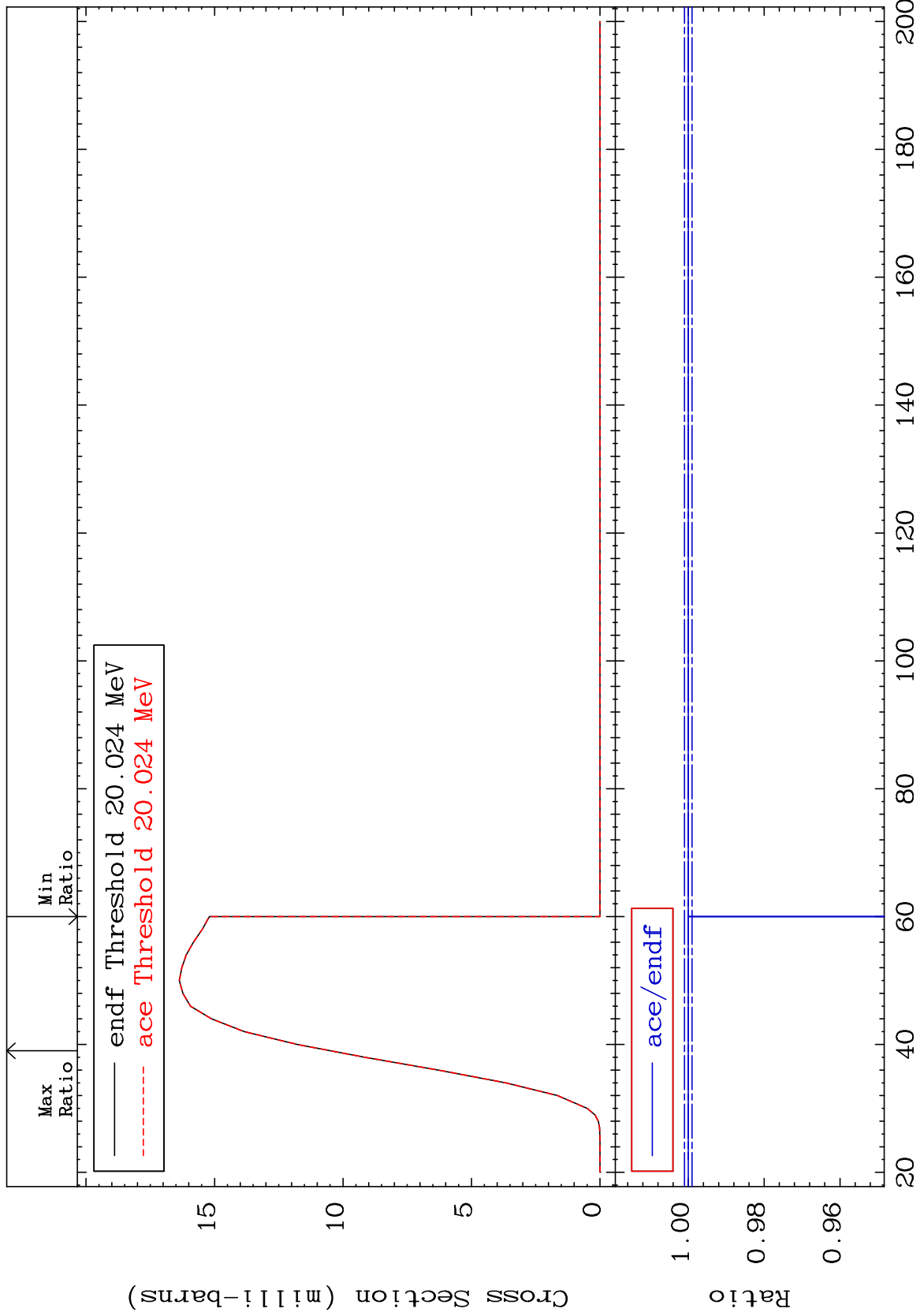
57-La-138  
-0.691 To 298.8 %



MAT 5725

(n,2n) d  
Cross Section

57-La-138  
-100.0 To 0.000 %



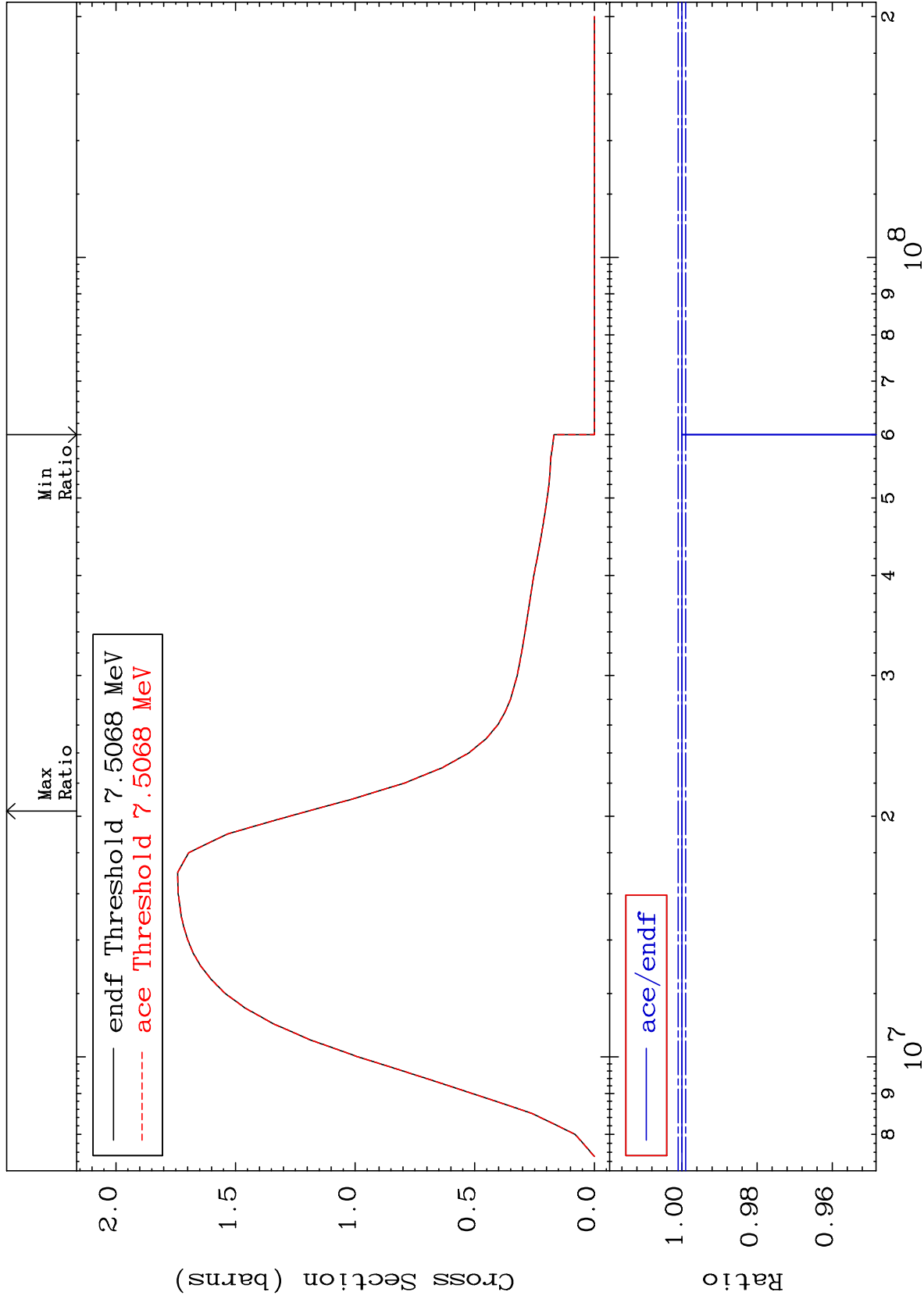
MAT 5725

(n,2n)

57-La-138

Cross Section

-100.0 To 0.000 %



4

Incident Energy (eV)

57-La-138

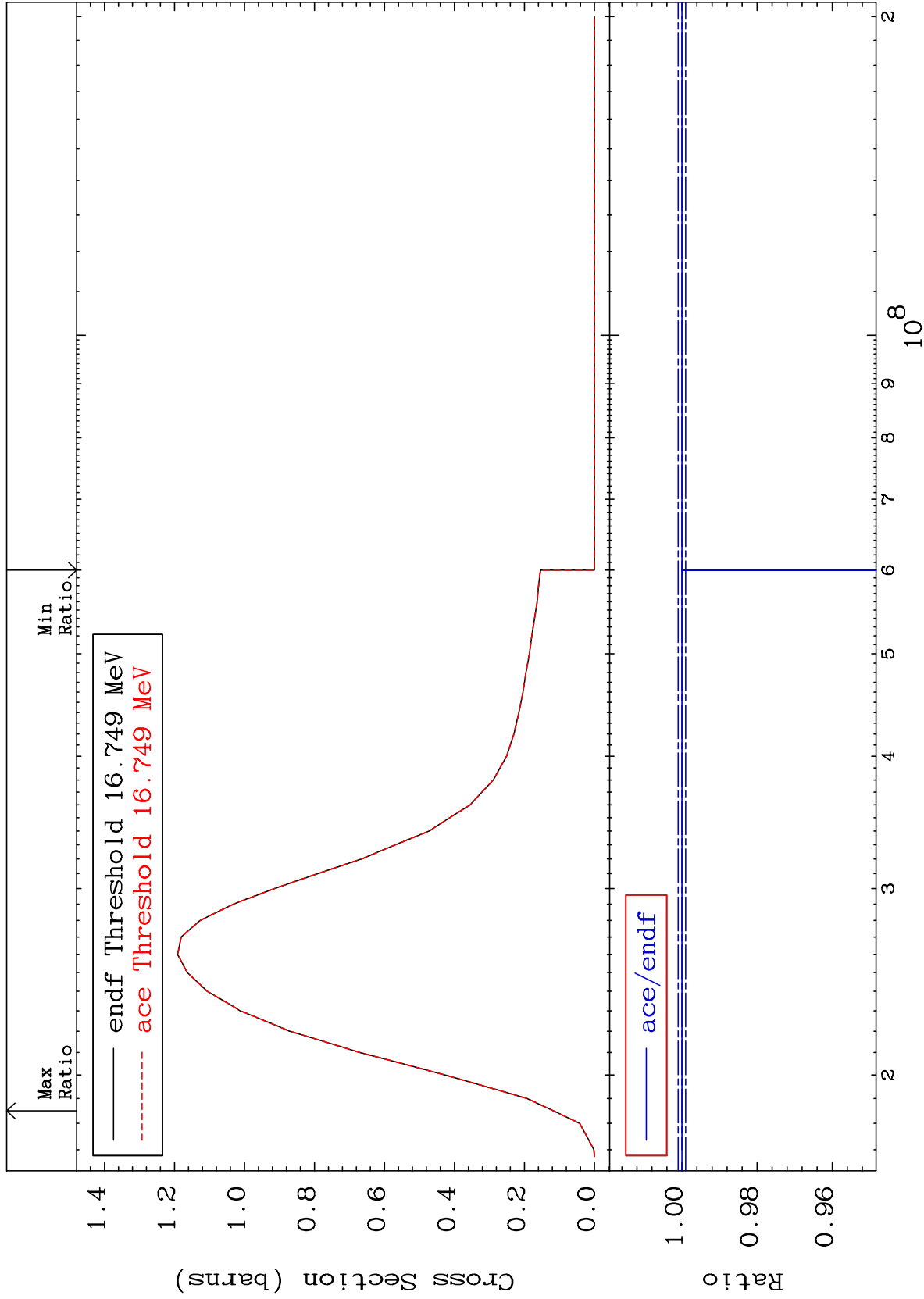
MAT 5725

(n, 3n)

57-La-138

Cross Section

-100.0 To 0.000 %



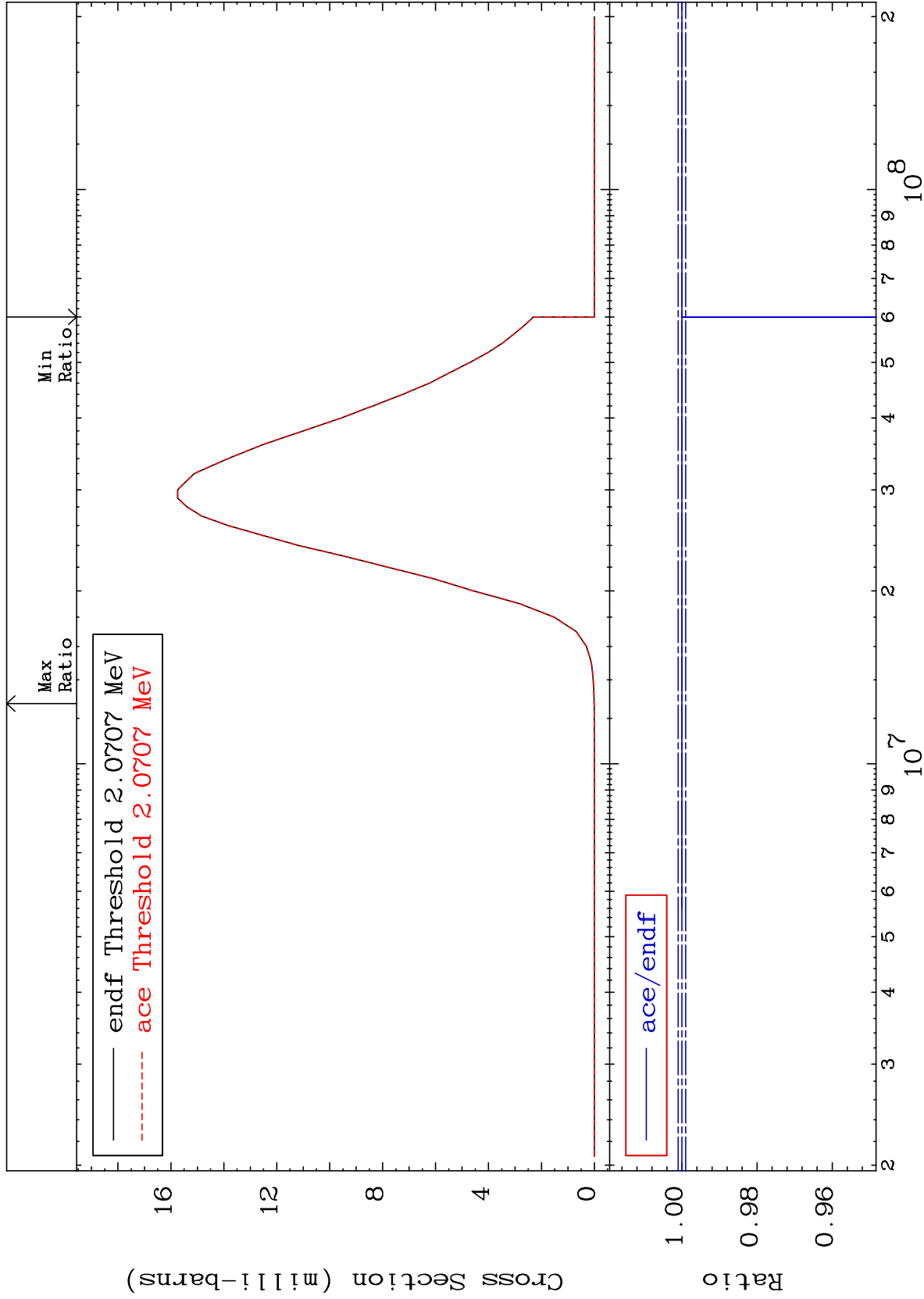
MAT 5725

(n, n')  $\alpha$

57-La-138

Cross Section

-100.0 To 0.000 %



6

Incident Energy (eV)

57-La-138

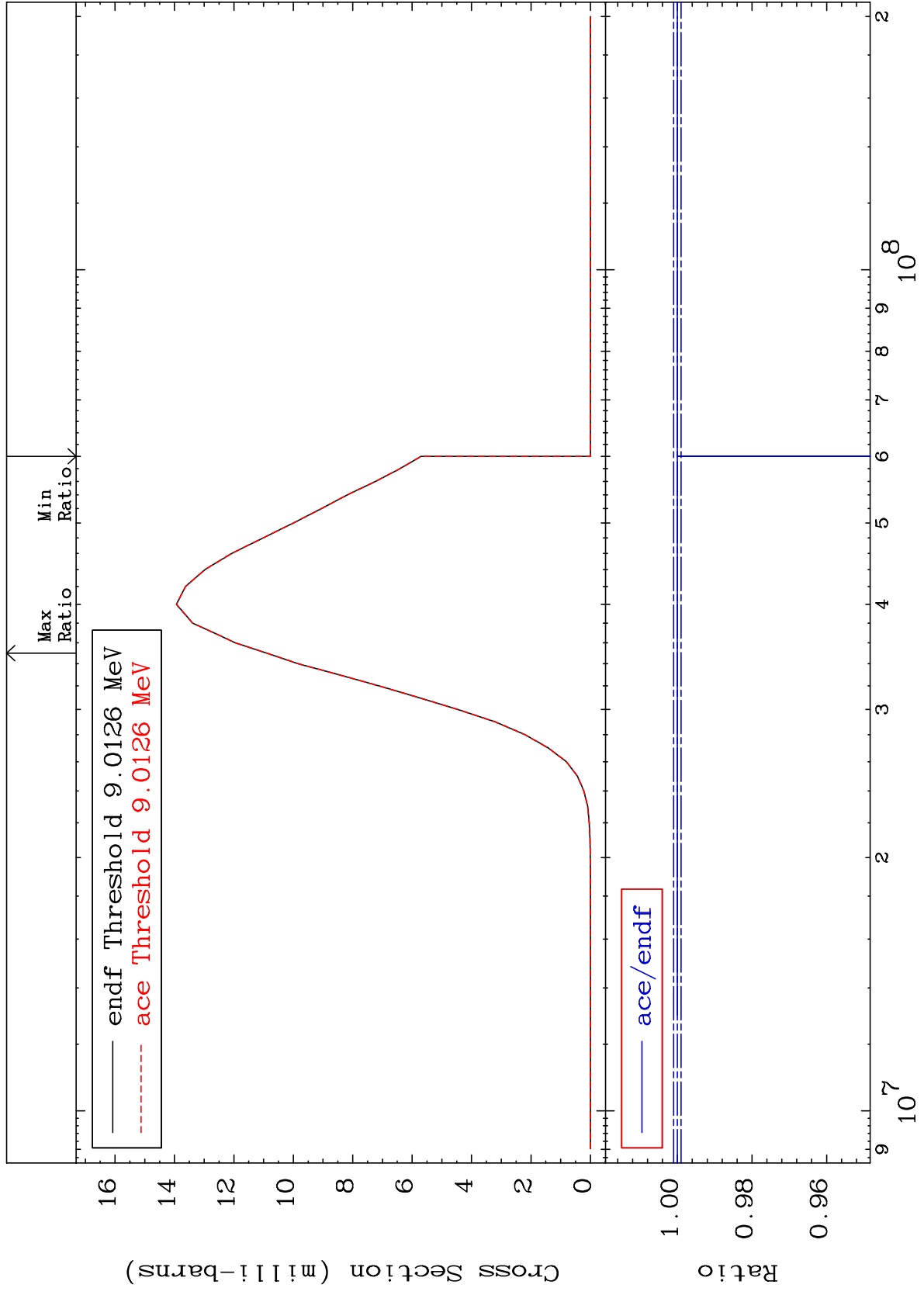
MAT 5725

(n,2n)  $\alpha$

57-La-138

-100.0 To 0.000 %

Cross Section





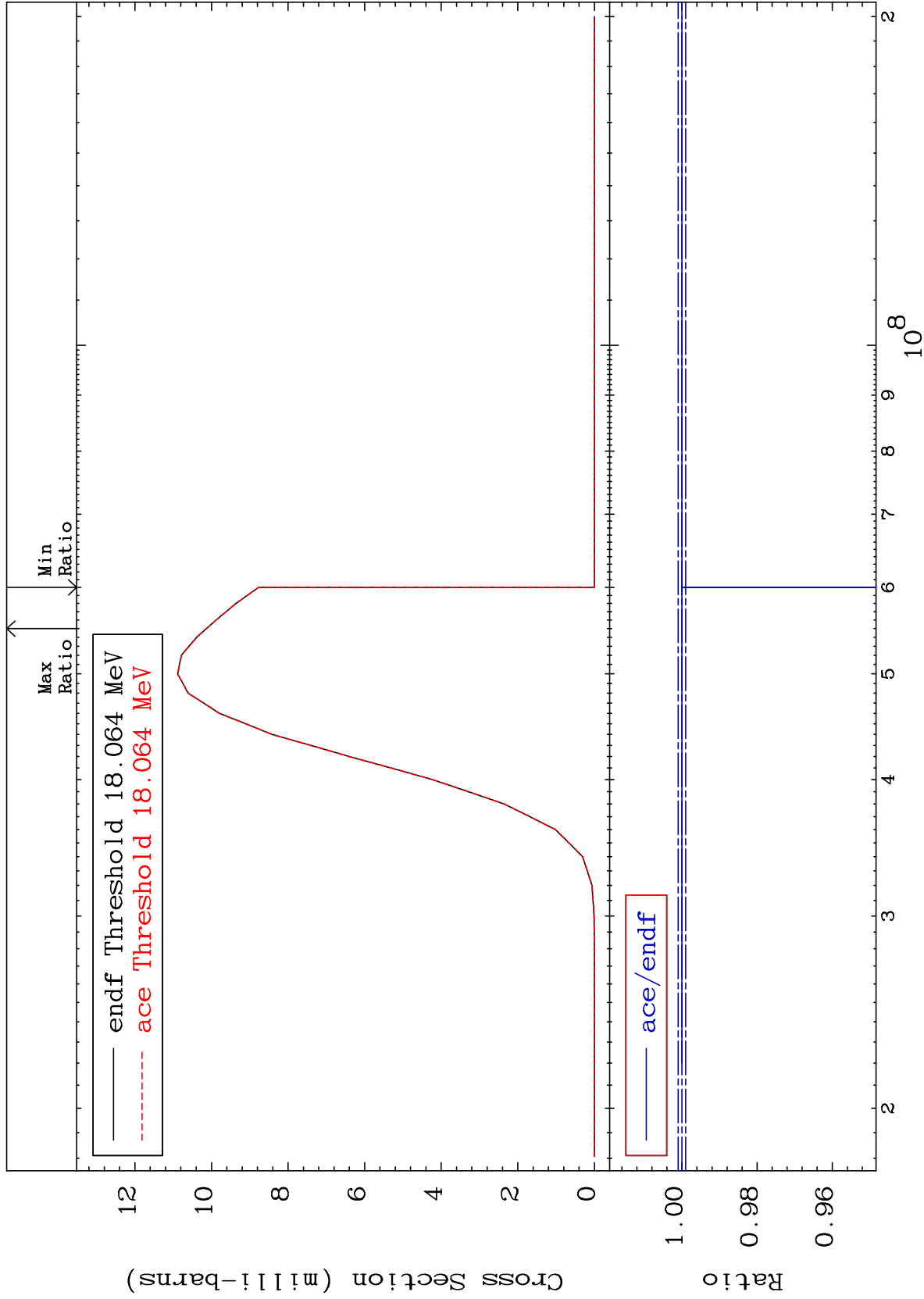
MAT 5725

(n, 3n)  $\alpha$

57-La-138

-100.0 To 0.000 %

Cross Section



8

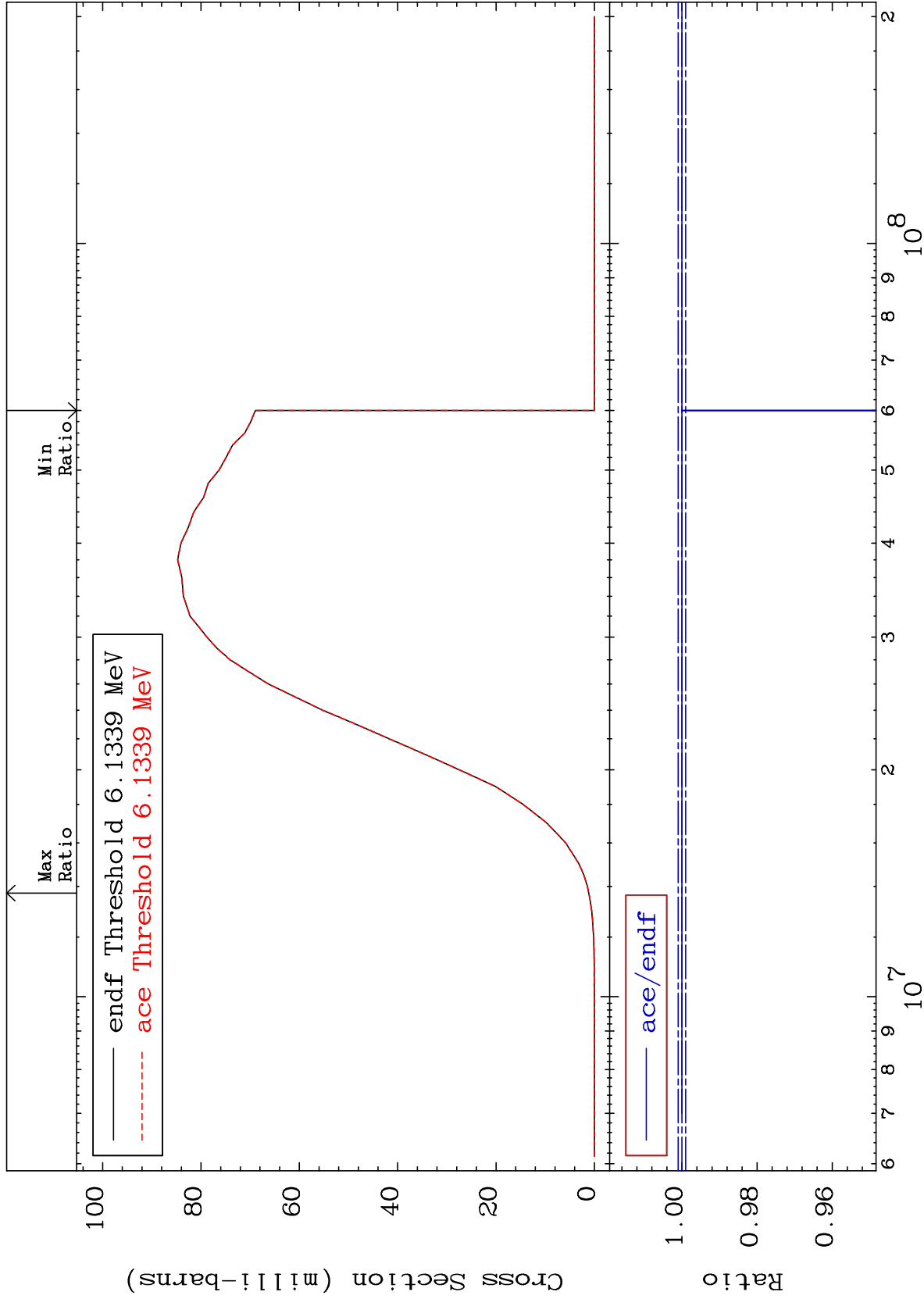
Incident Energy (eV)

57-La-138

MAT 5725

(n, n') p  
Cross Section

57-La-138  
-100.0 To 0.000 %



9

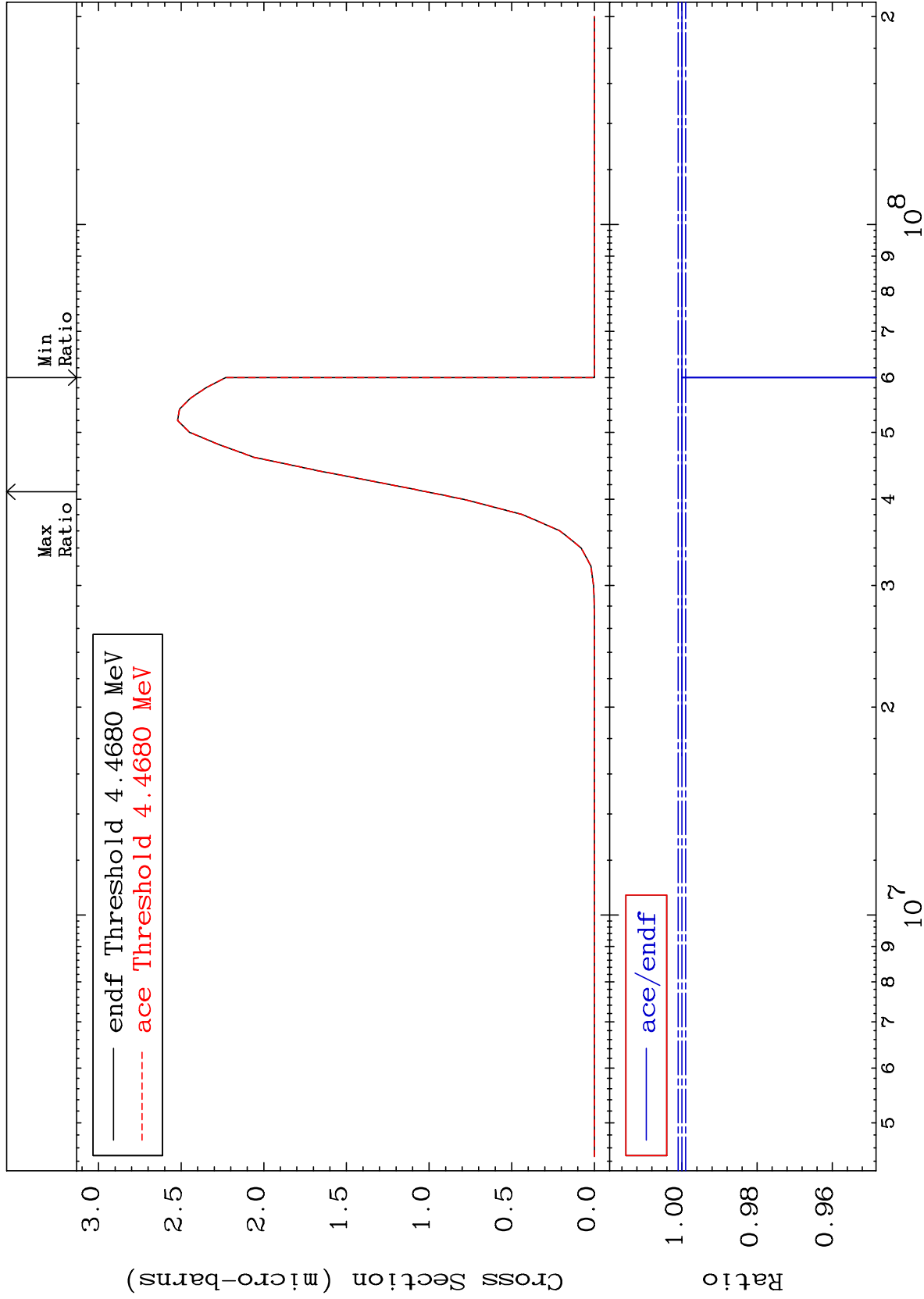
Incident Energy (eV)

57-La-138

MAT 5725

(n, n') 2 $\alpha$   
Cross Section

57-La-138  
-100.0 To 0.000 %



10

Incident Energy (eV)

57-La-138

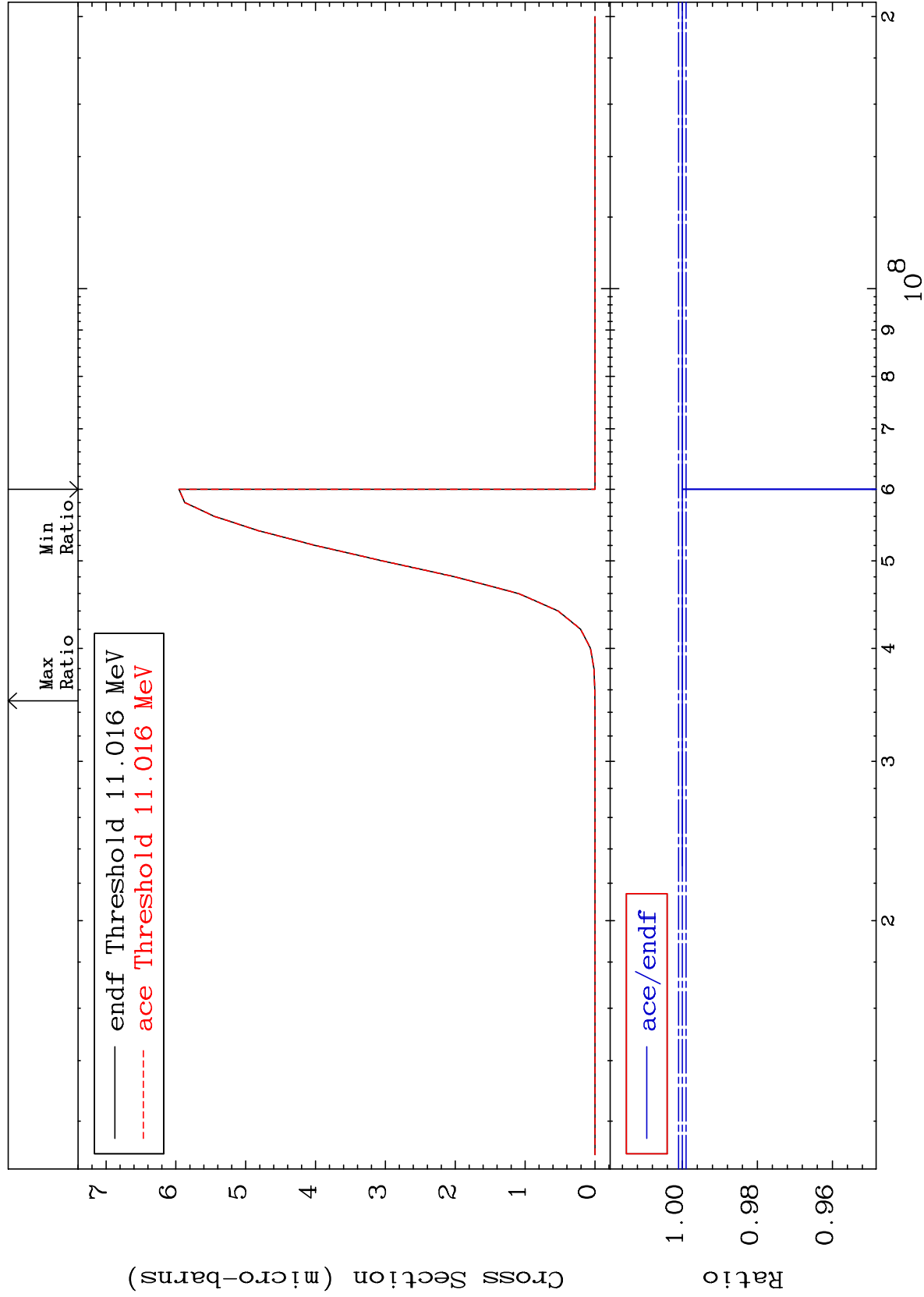
MAT 5725

(n,2n) 2α

57-La-138

Cross Section

-100.0 To 0.000 %



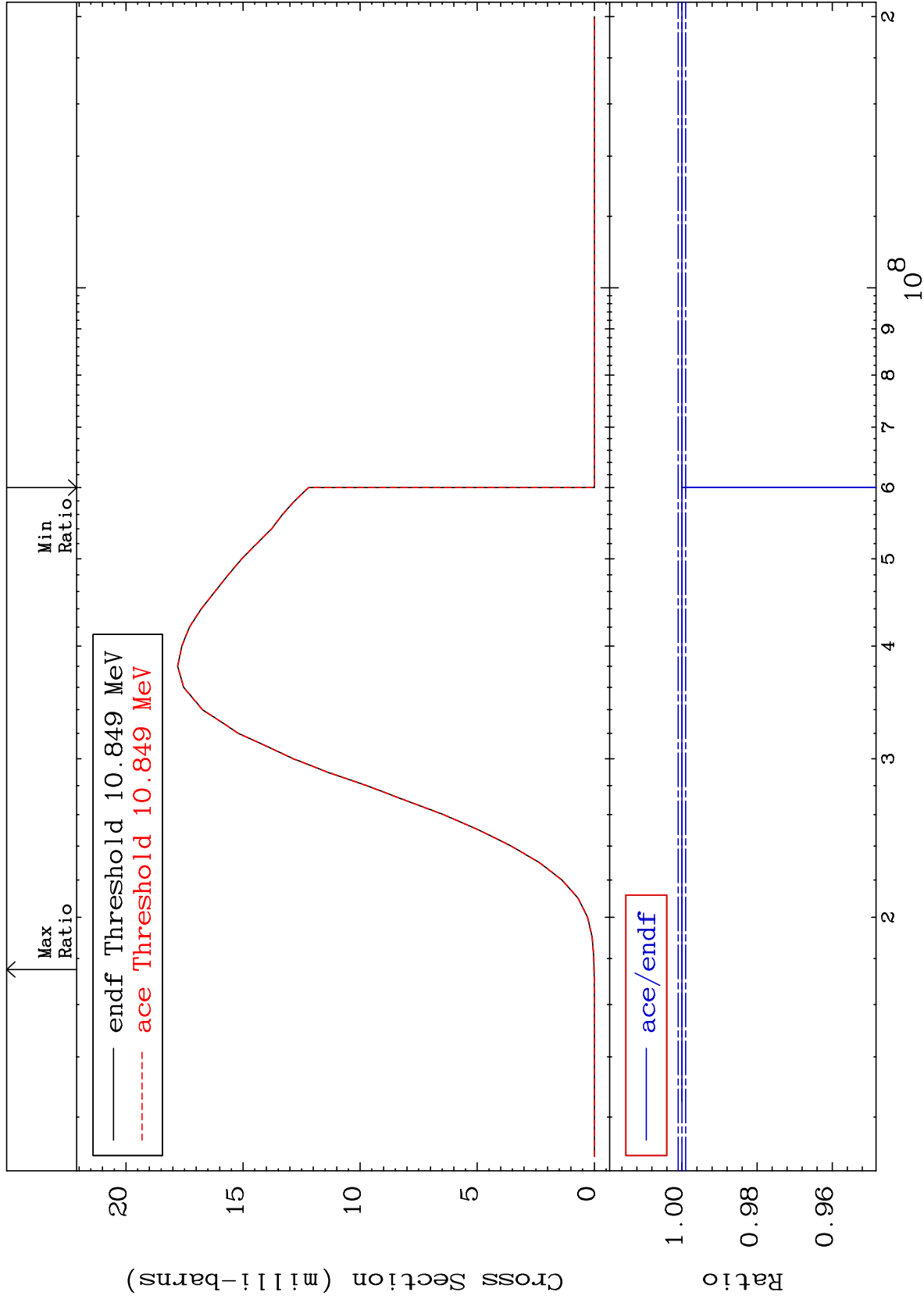
MAT 5725

(n, n') d

57-La-138

Cross Section

-100.0 To 0.000 %



12

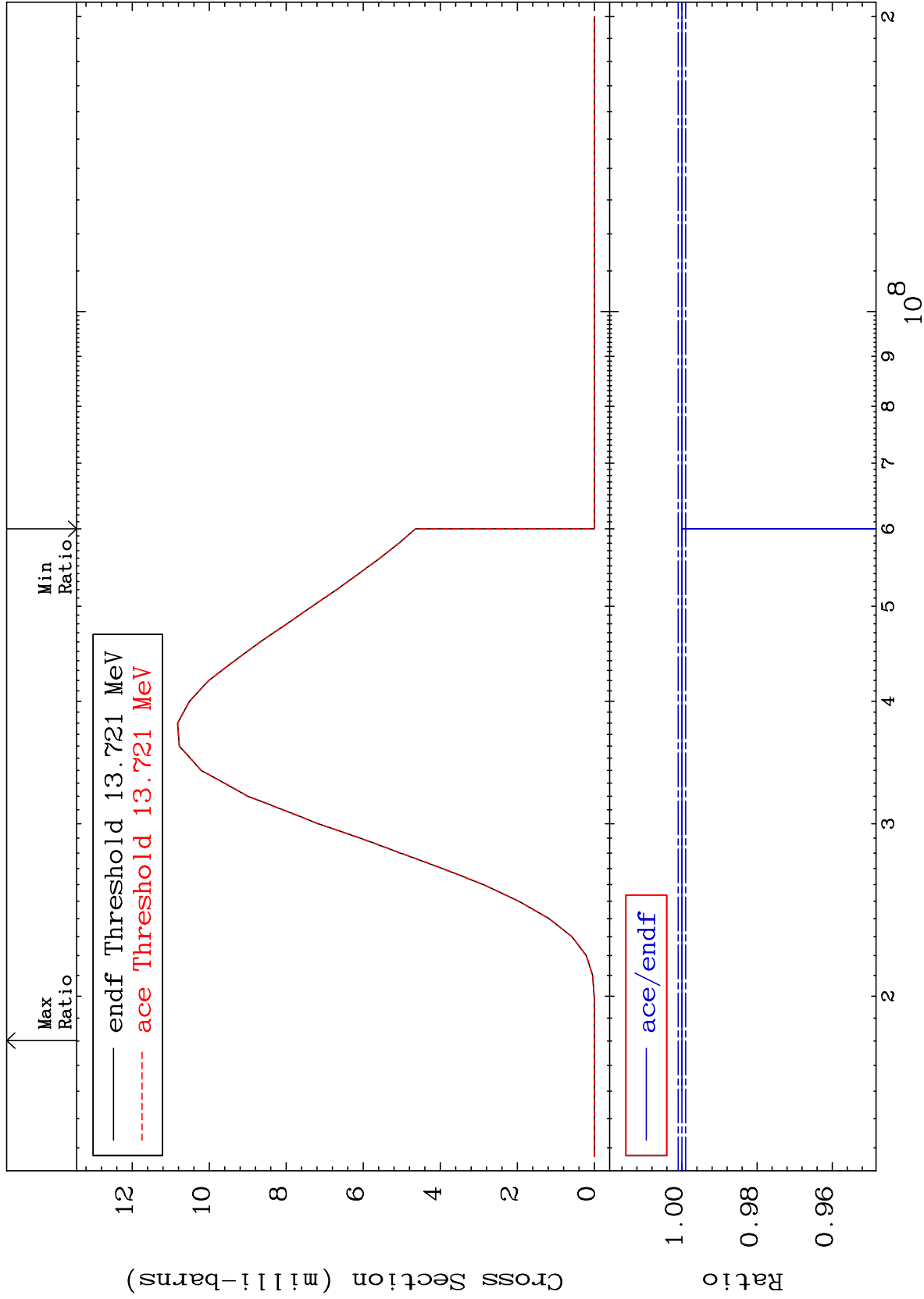
MAT 5725

(n, n') t

57-La-138

Cross Section

-100.0 To 0.000 %



13

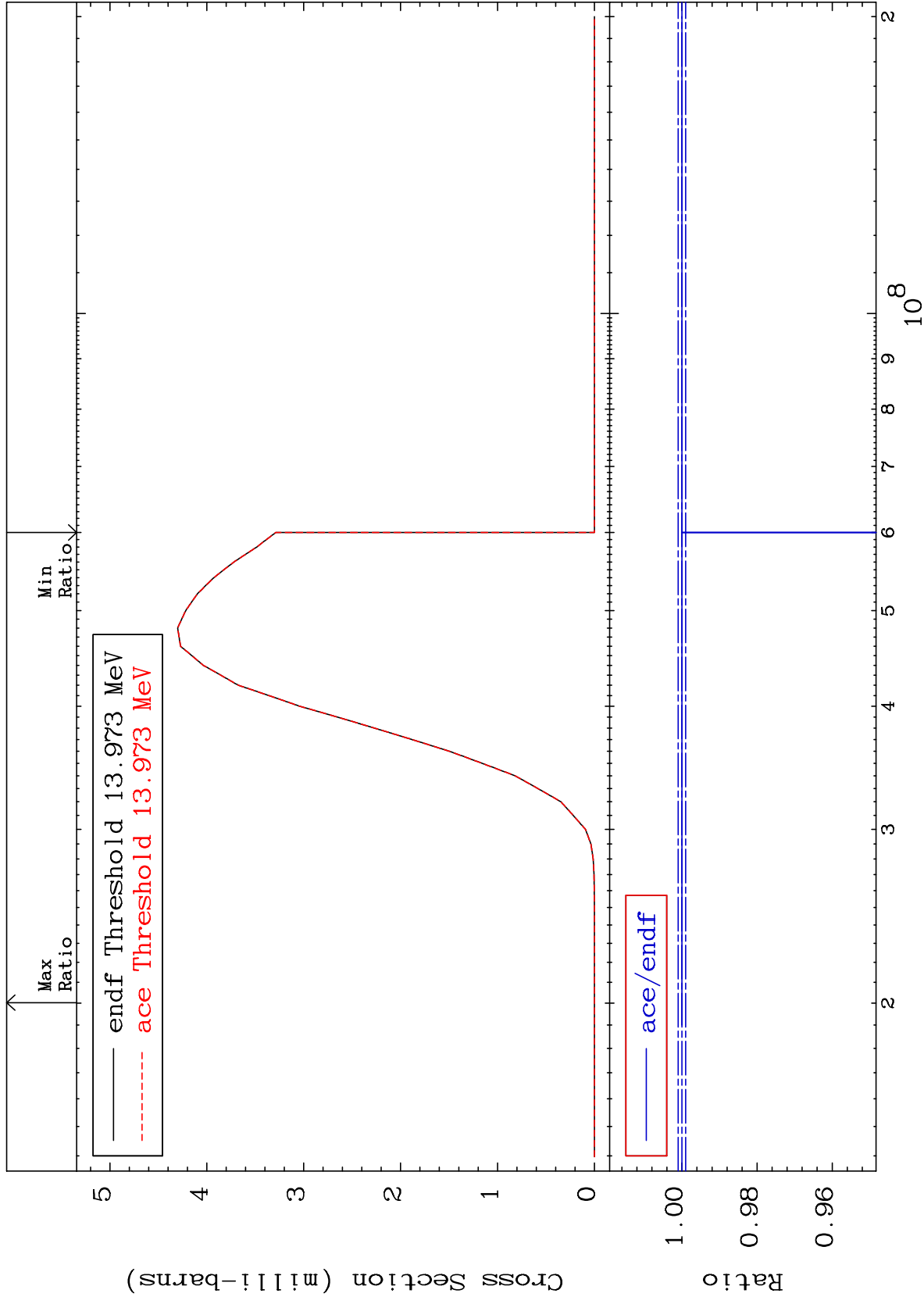
Incident Energy (eV)

57-La-138

MAT 5725

(n,n') He-3  
Cross Section

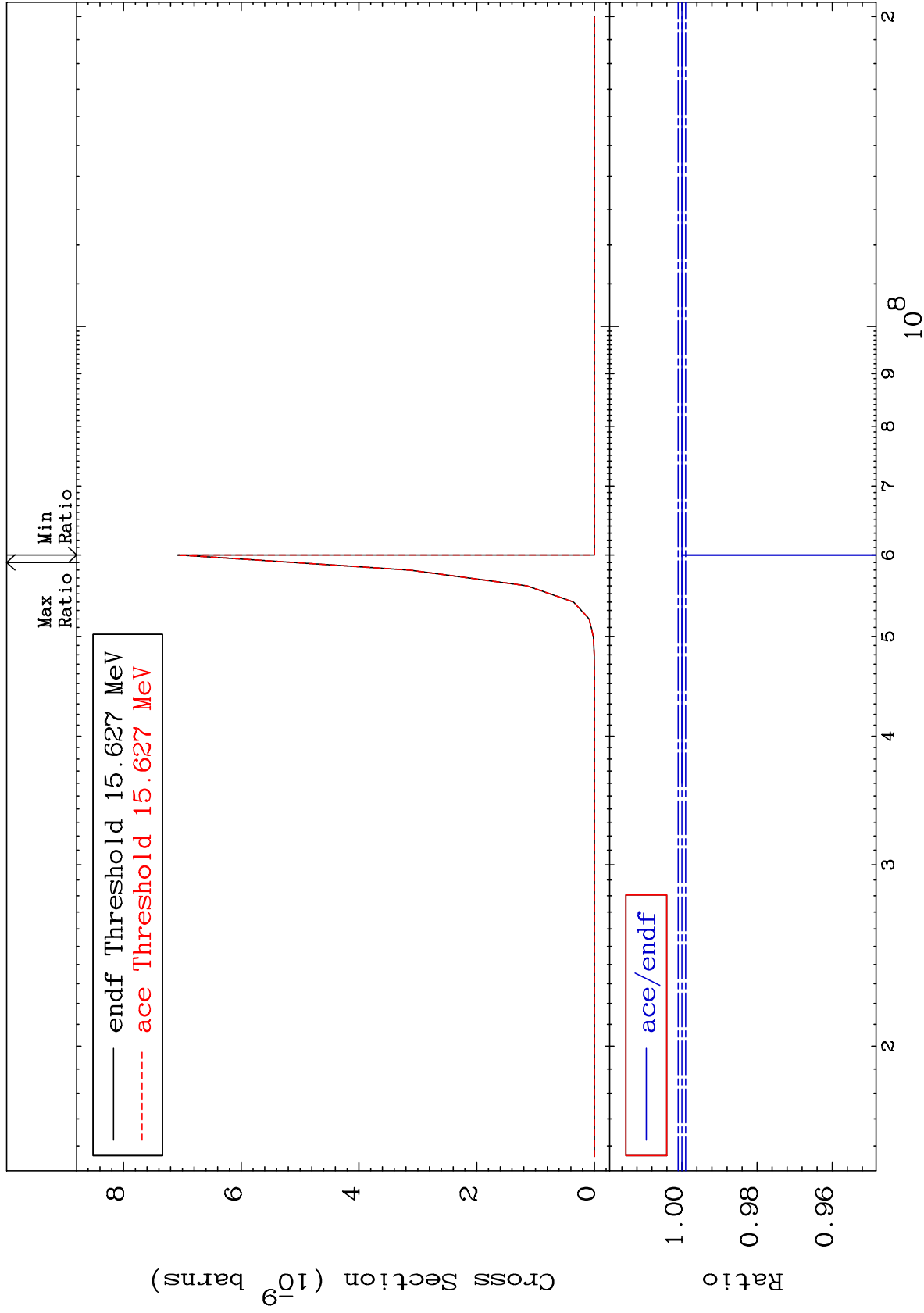
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n, n') d, 2α  
Cross Section

57-La-138  
-100.0 To 0.000 %



15

Incident Energy (eV)

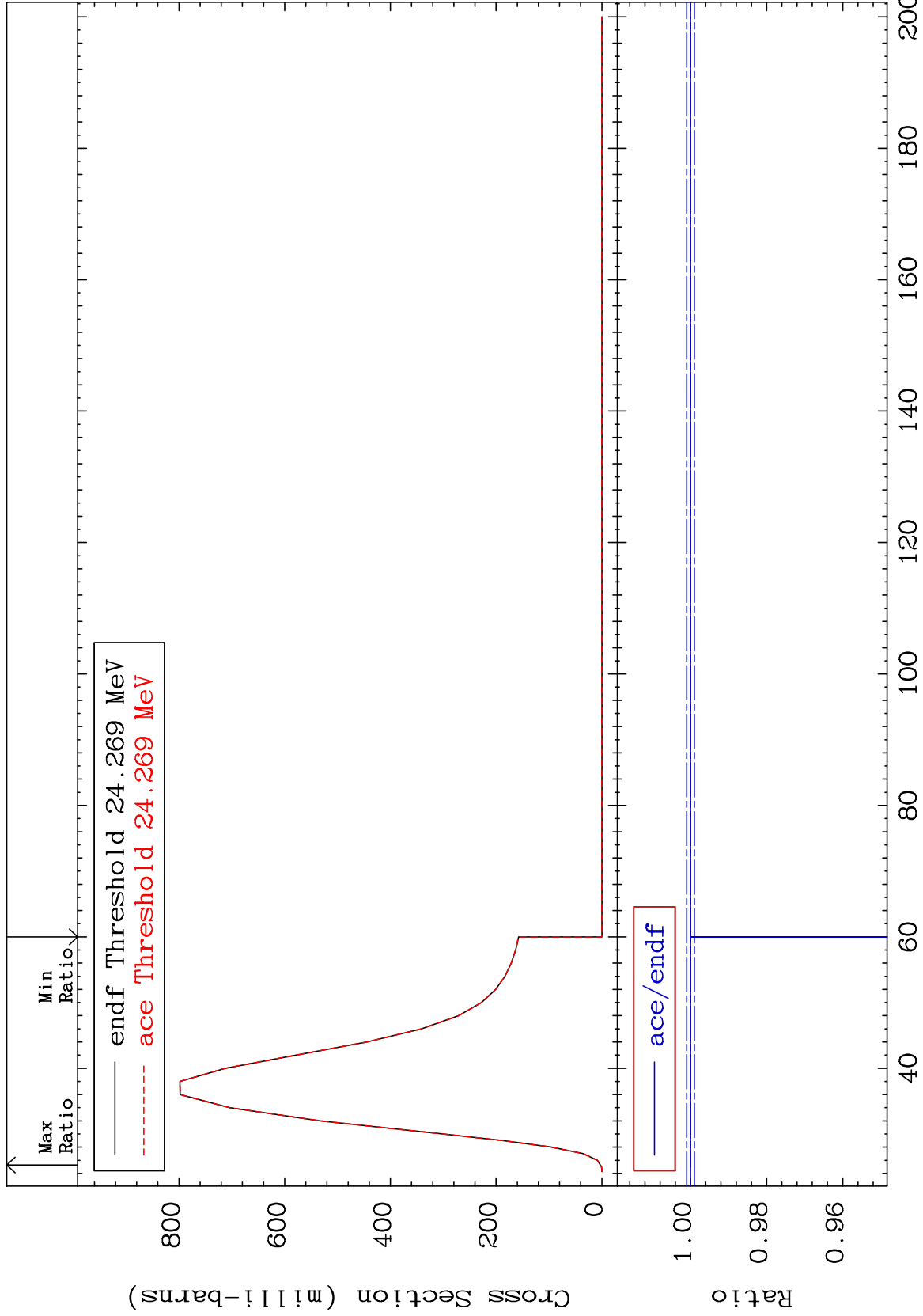
57-La-138



MAT 5725

(n, 4n)  
Cross Section

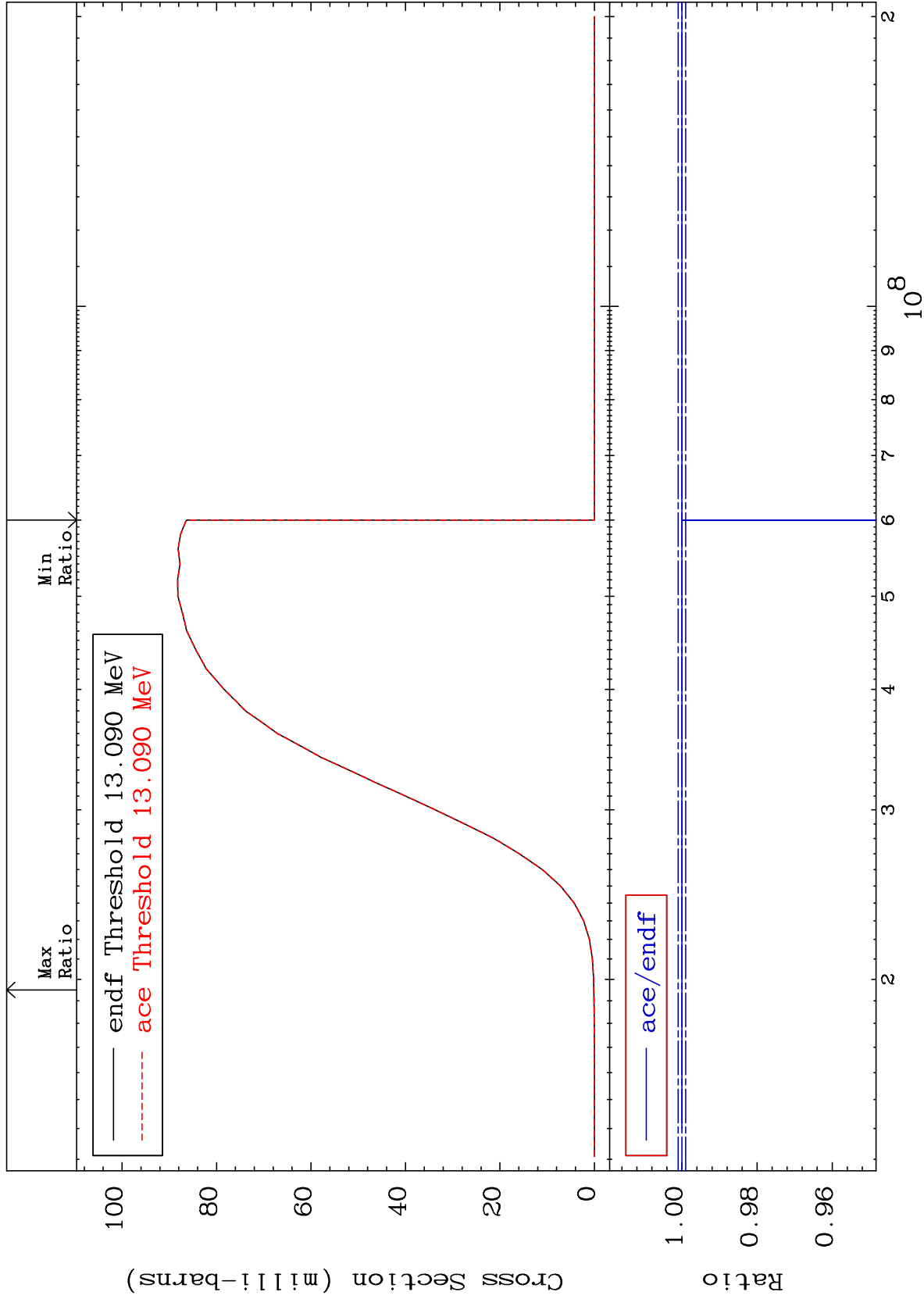
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n,2n) p  
Cross Section

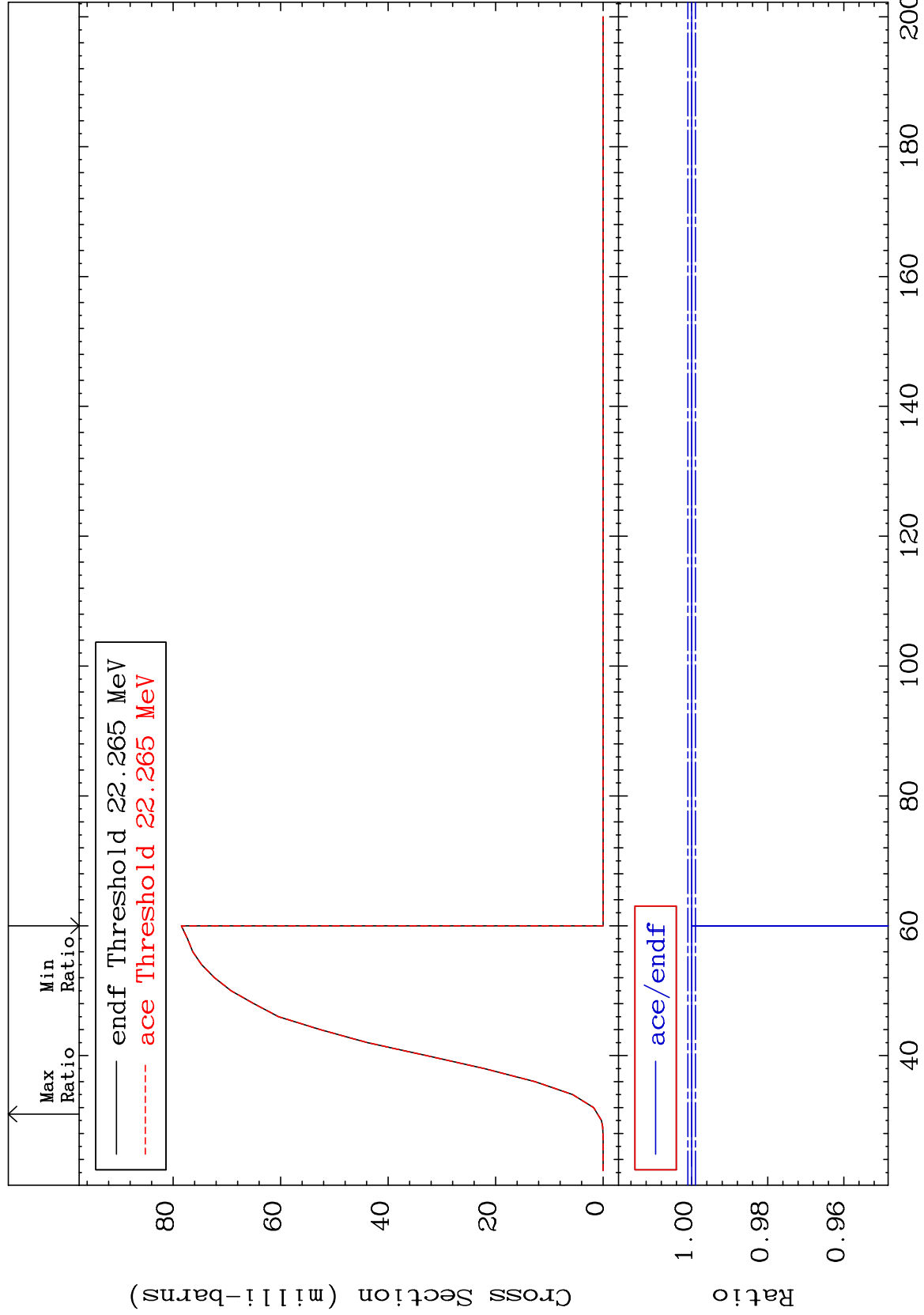
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n, 3n) p  
Cross Section

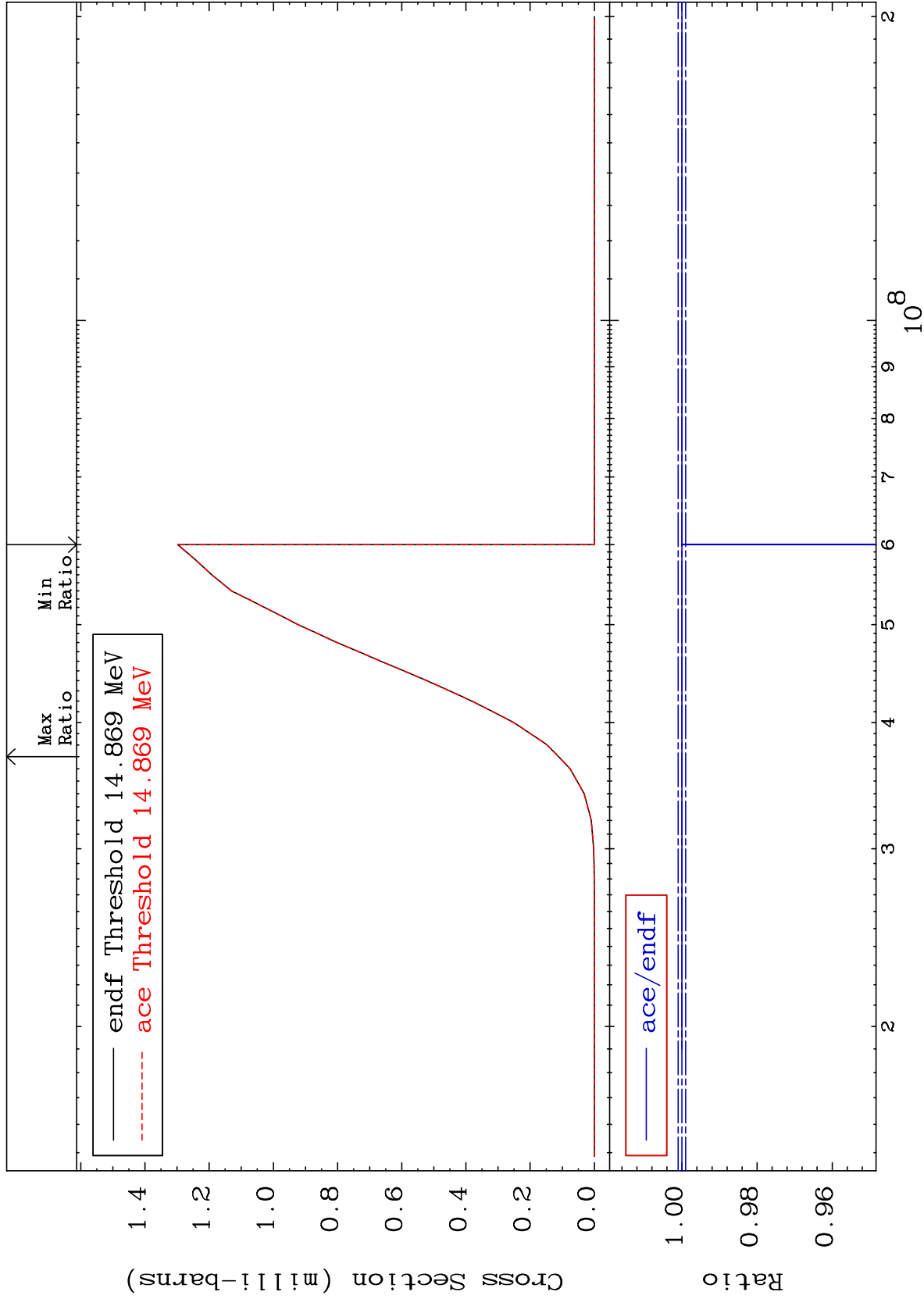
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n,2n) p  
Cross Section

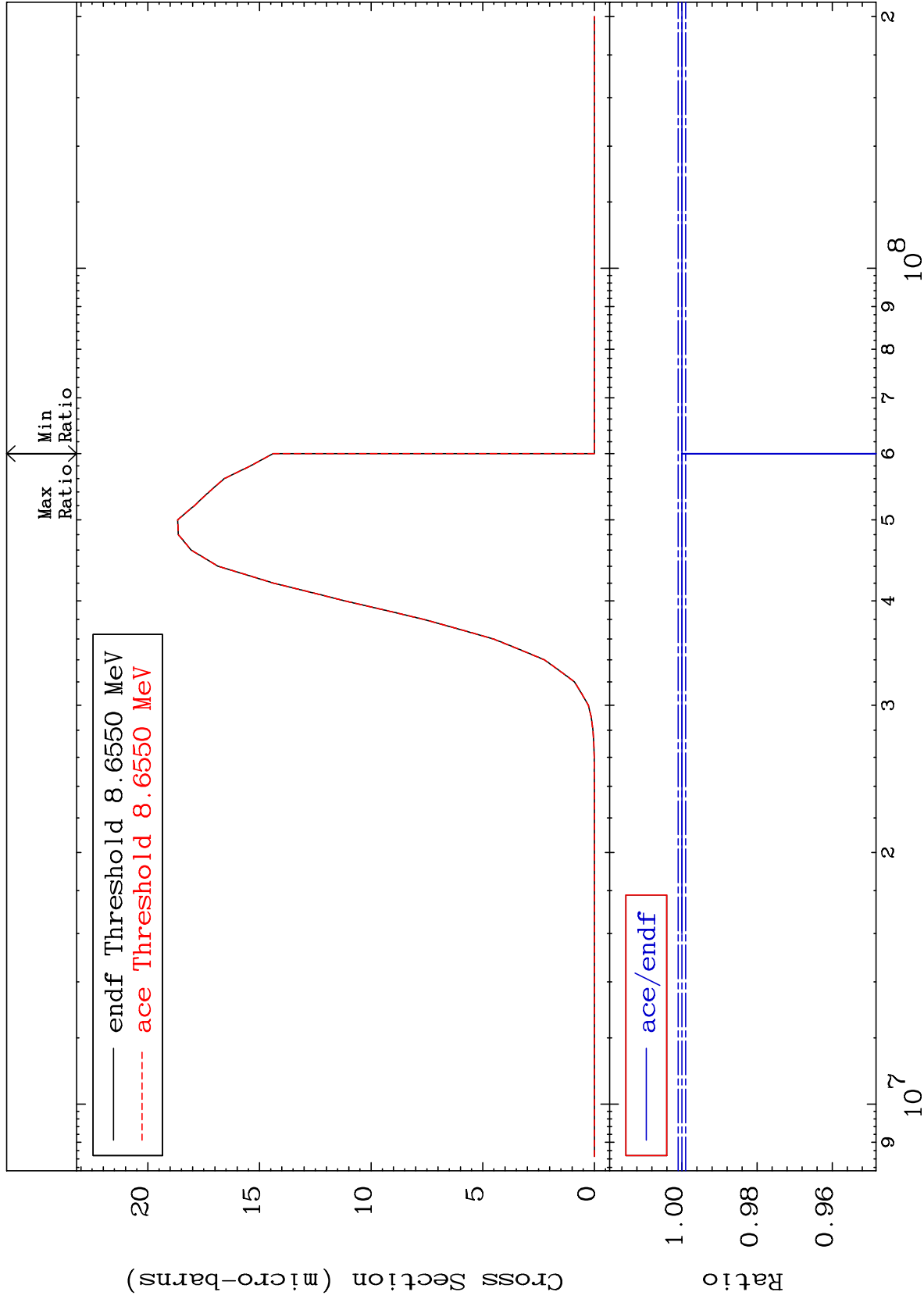
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n,n') p  $\alpha$   
Cross Section

57-La-138  
-100.0 To 0.000 %



20

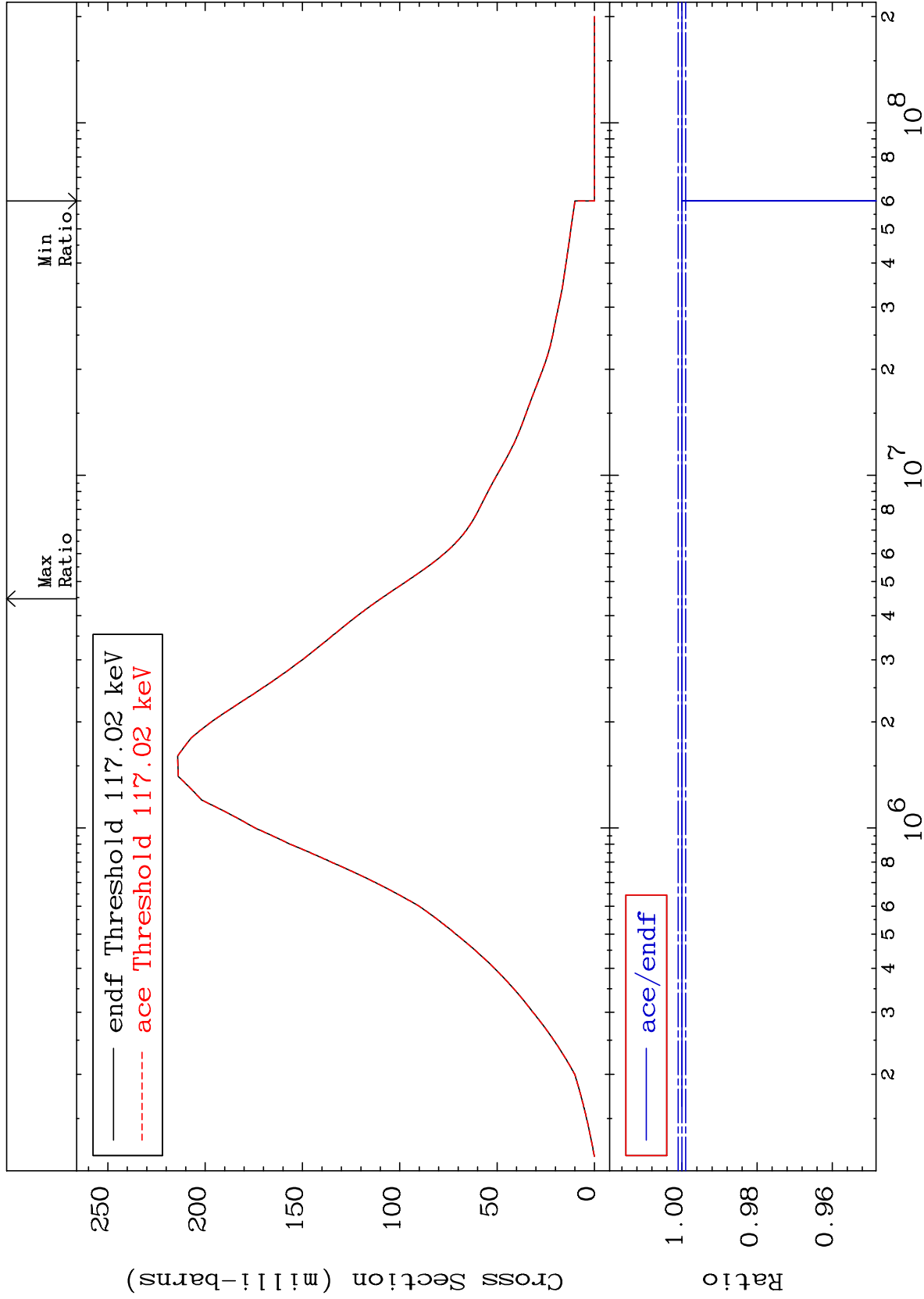
Incident Energy (eV)

57-La-138

MAT 5725

116.2 keV (n,n') Level  
Cross Section

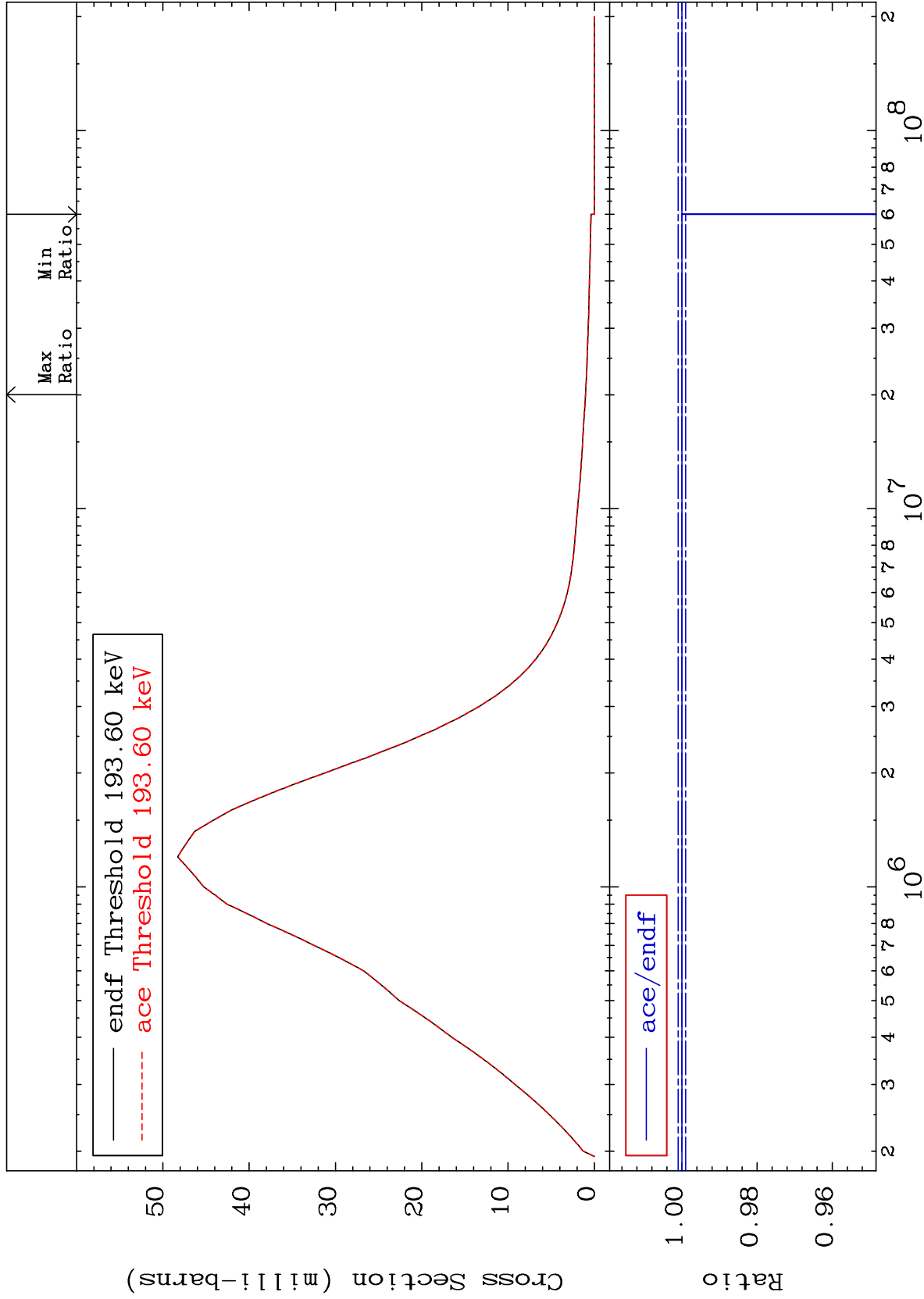
57-La-138  
-100.0 To 0.000 %



MAT 5725

192.2 keV (n,n') Level  
Cross Section

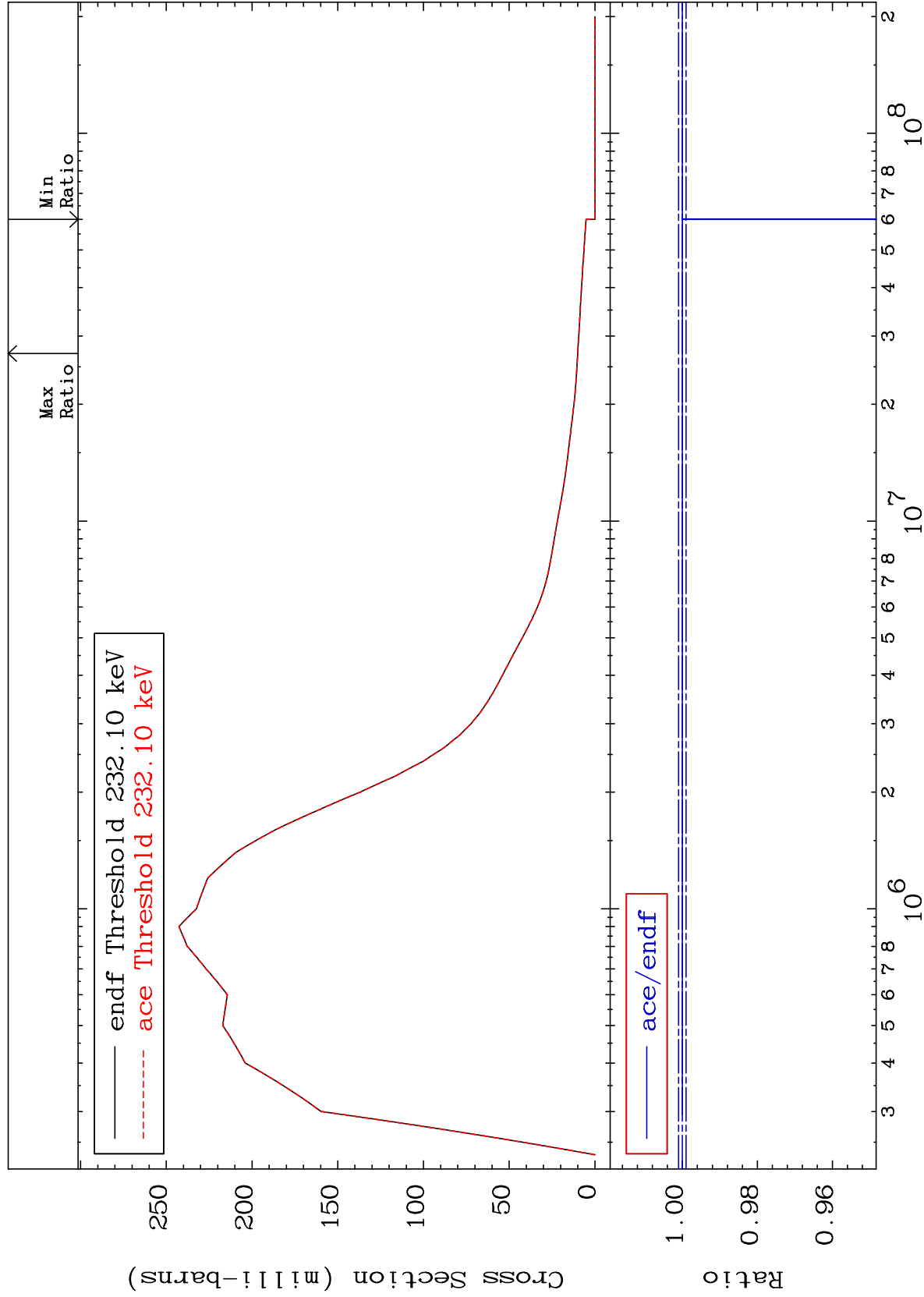
57-La-138  
-100.0 To 0.000 %



MAT 5725

230.4 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %

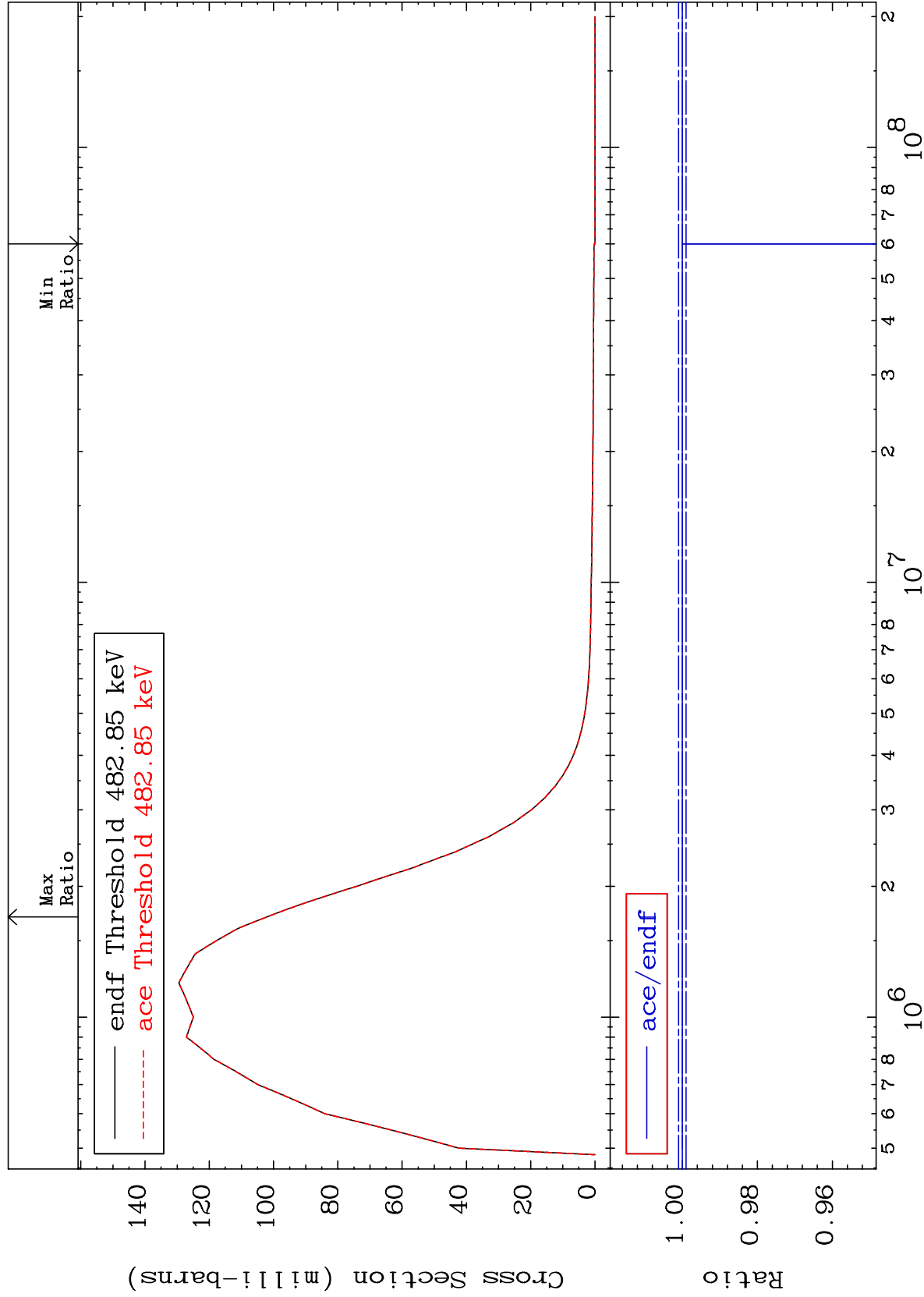




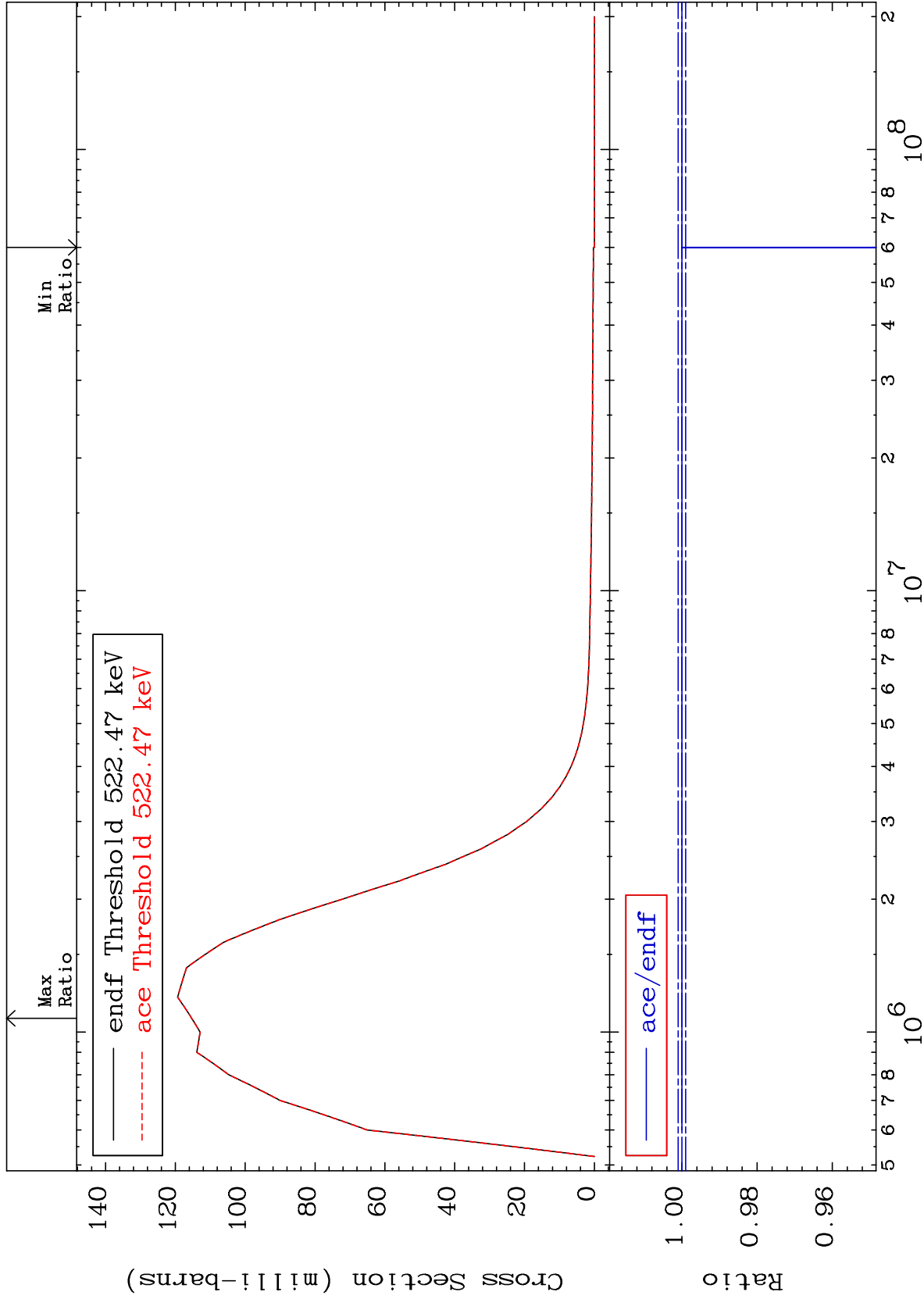
MAT 5725

479.3 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



MAT 5725 518.7 keV (n,n') Level 57-La-138  
 Cross Section -100.0 To 0.000 %

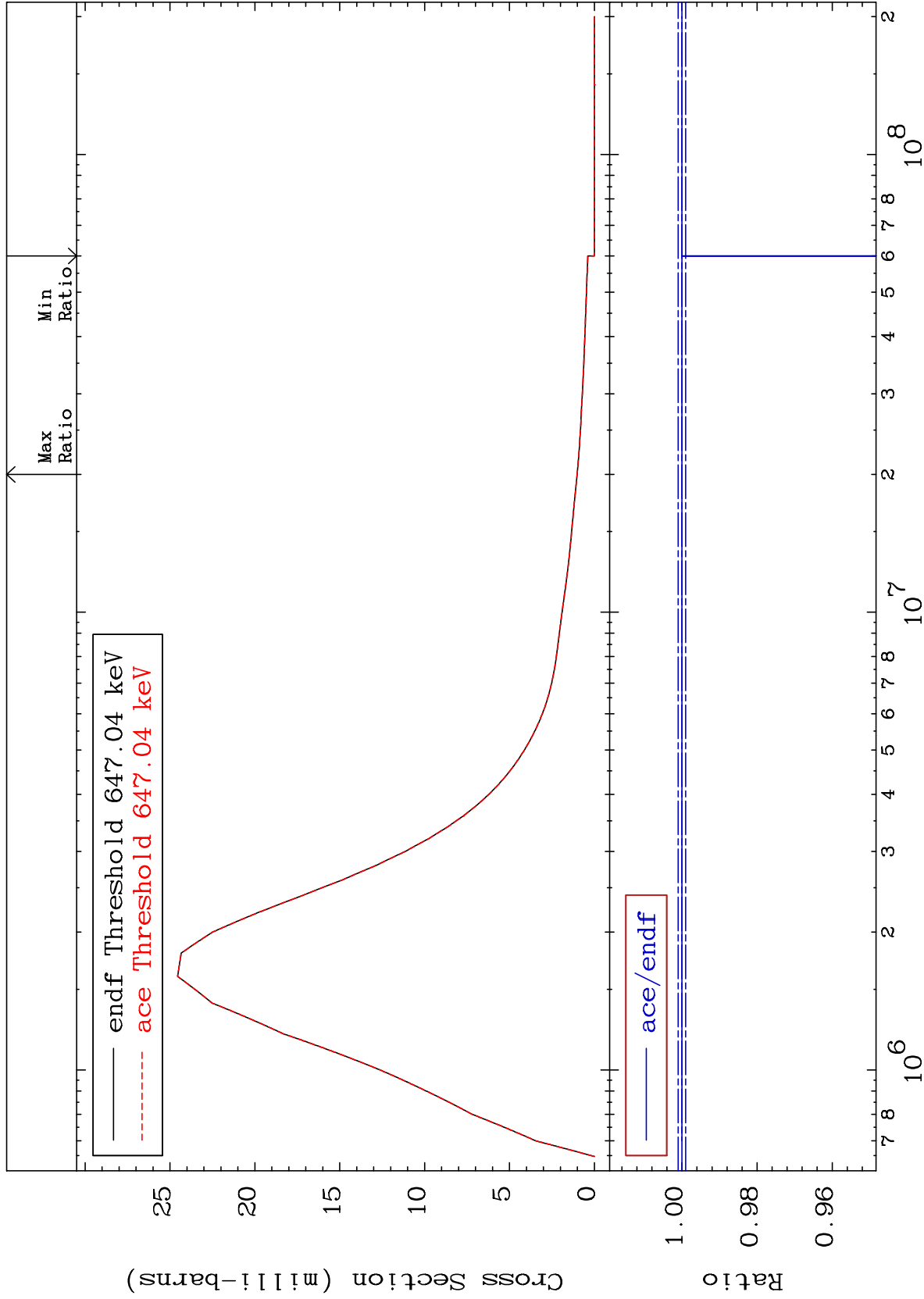


25 57-La-138

MAT 5725

642.3 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



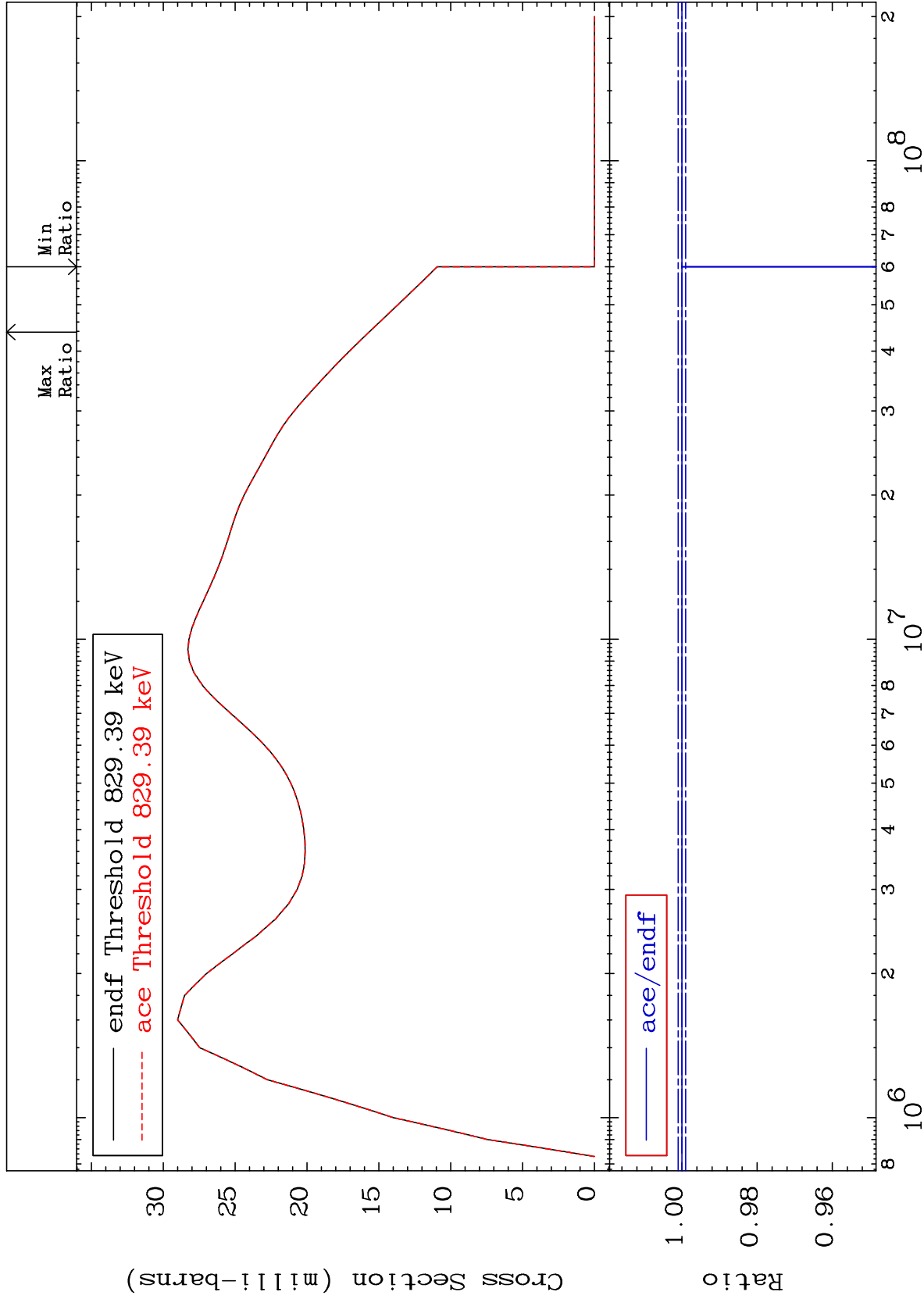
26

57-La-138

MAT 5725

823.4 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



27

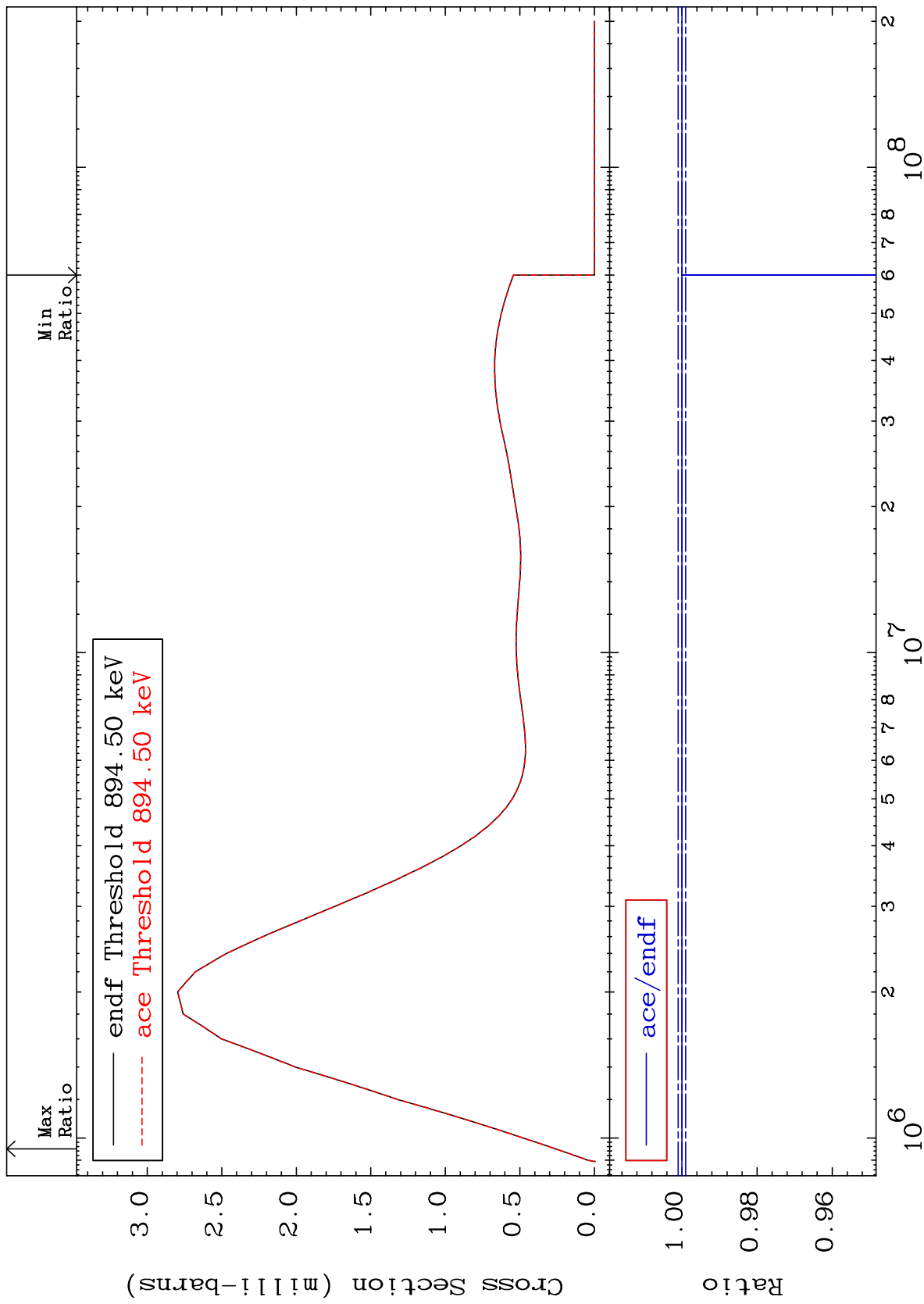
Incident Energy (eV)

57-La-138

MAT 5725

888.0 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



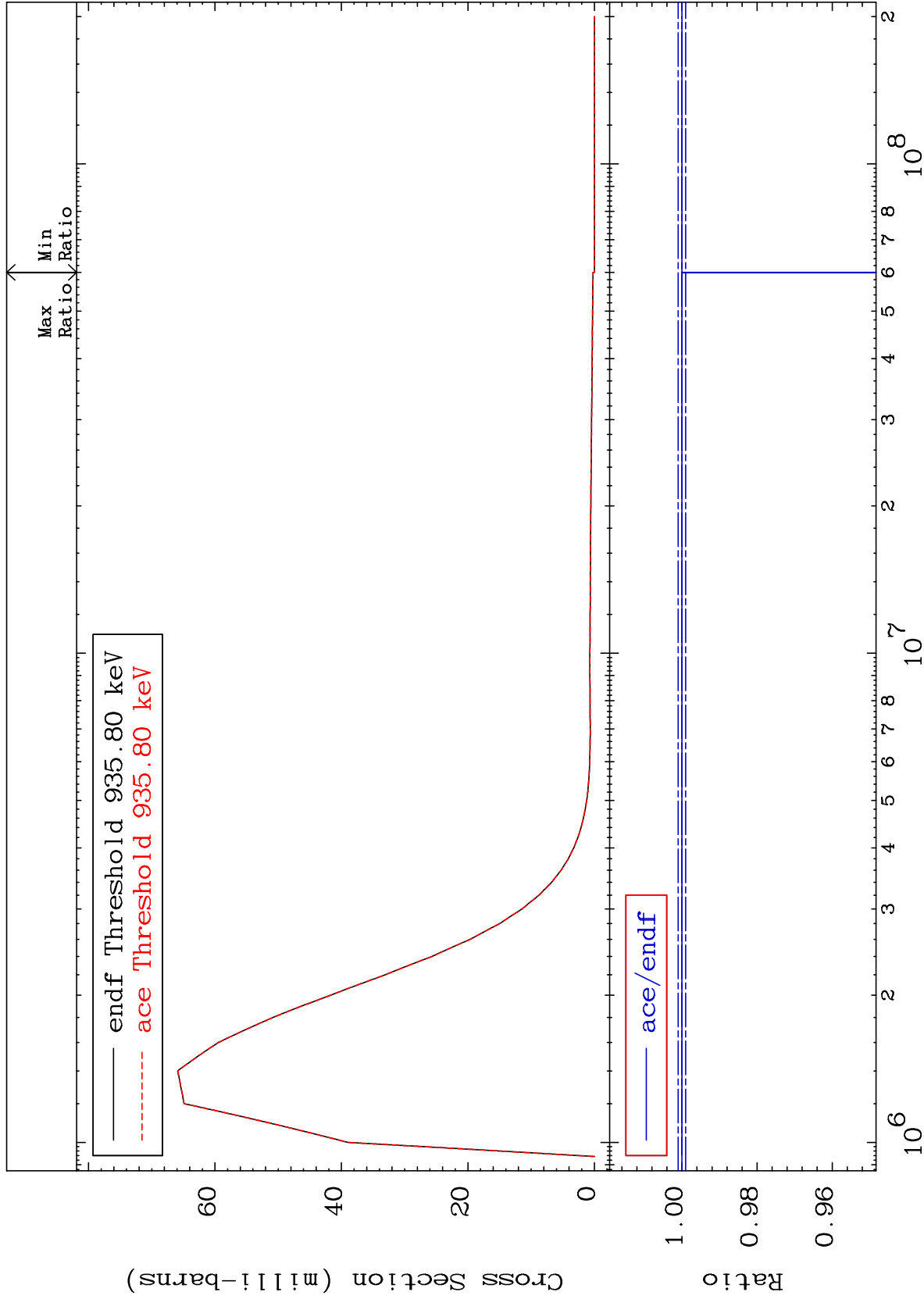
28

57-La-138

MAT 5725

929.0 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



29

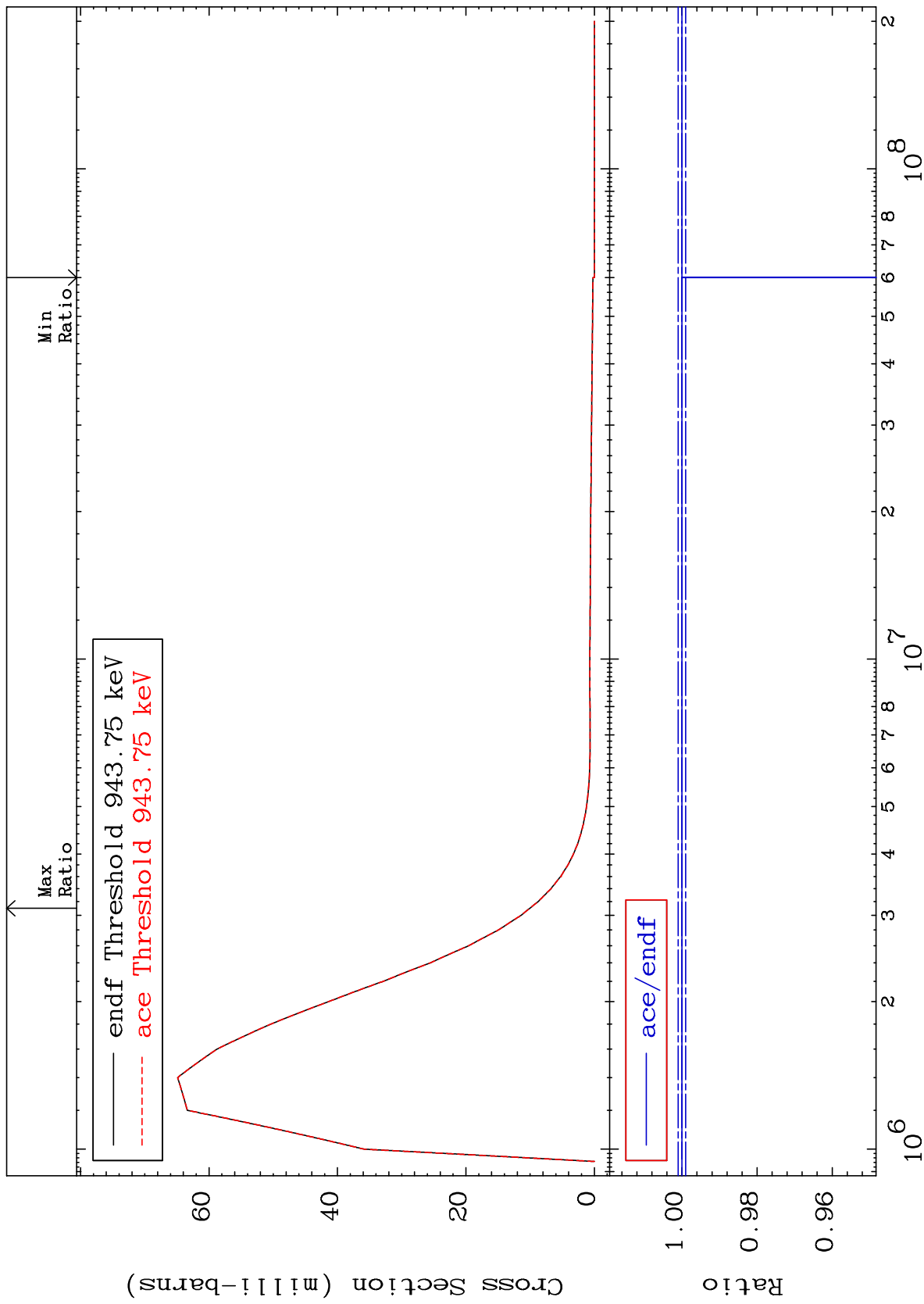
Incident Energy (eV)

57-La-138

MAT 5725

936.9 keV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



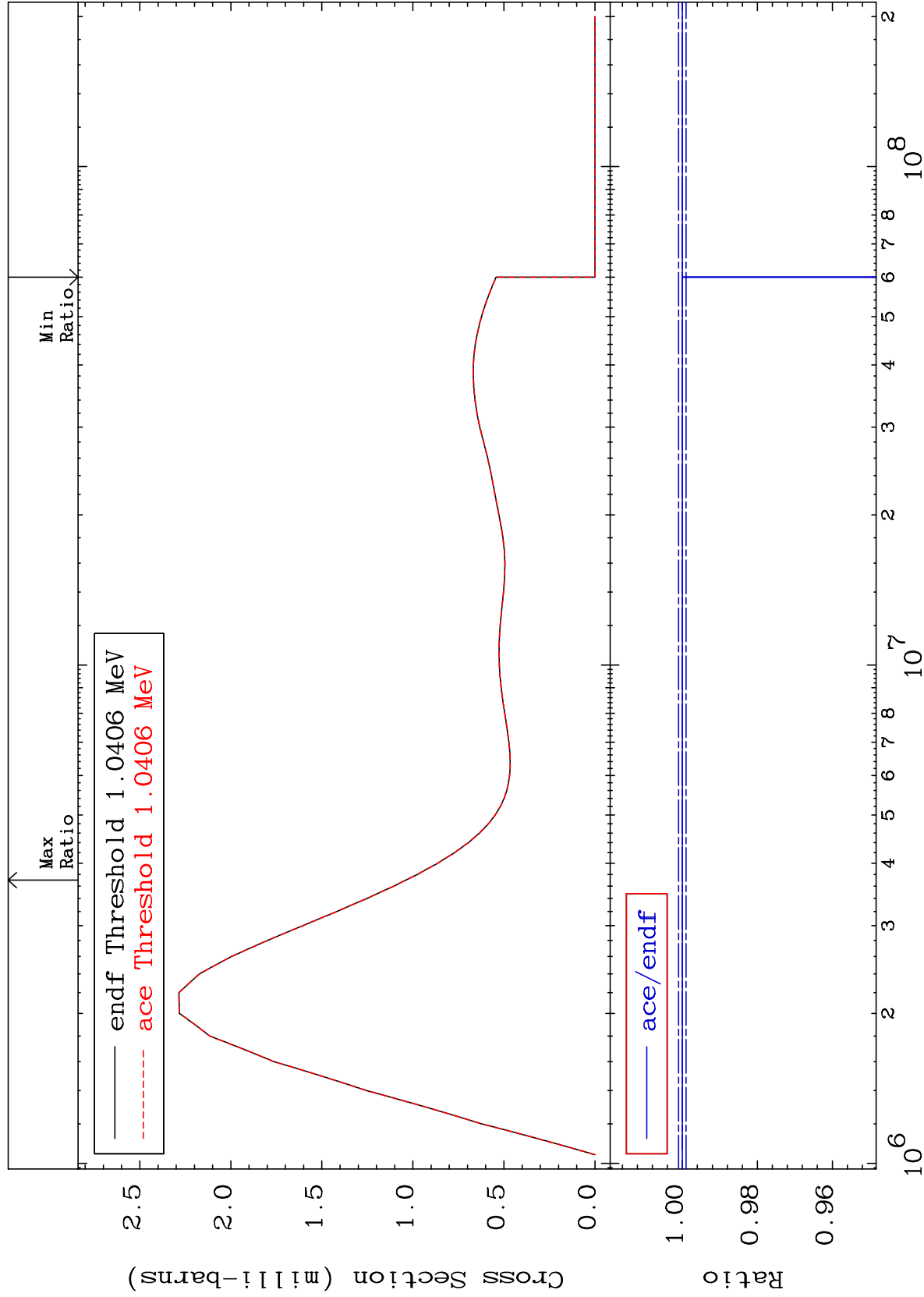
Incident Energy (eV)

57-La-138

MAT 5725

1.033 MeV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



31

Incident Energy (eV)

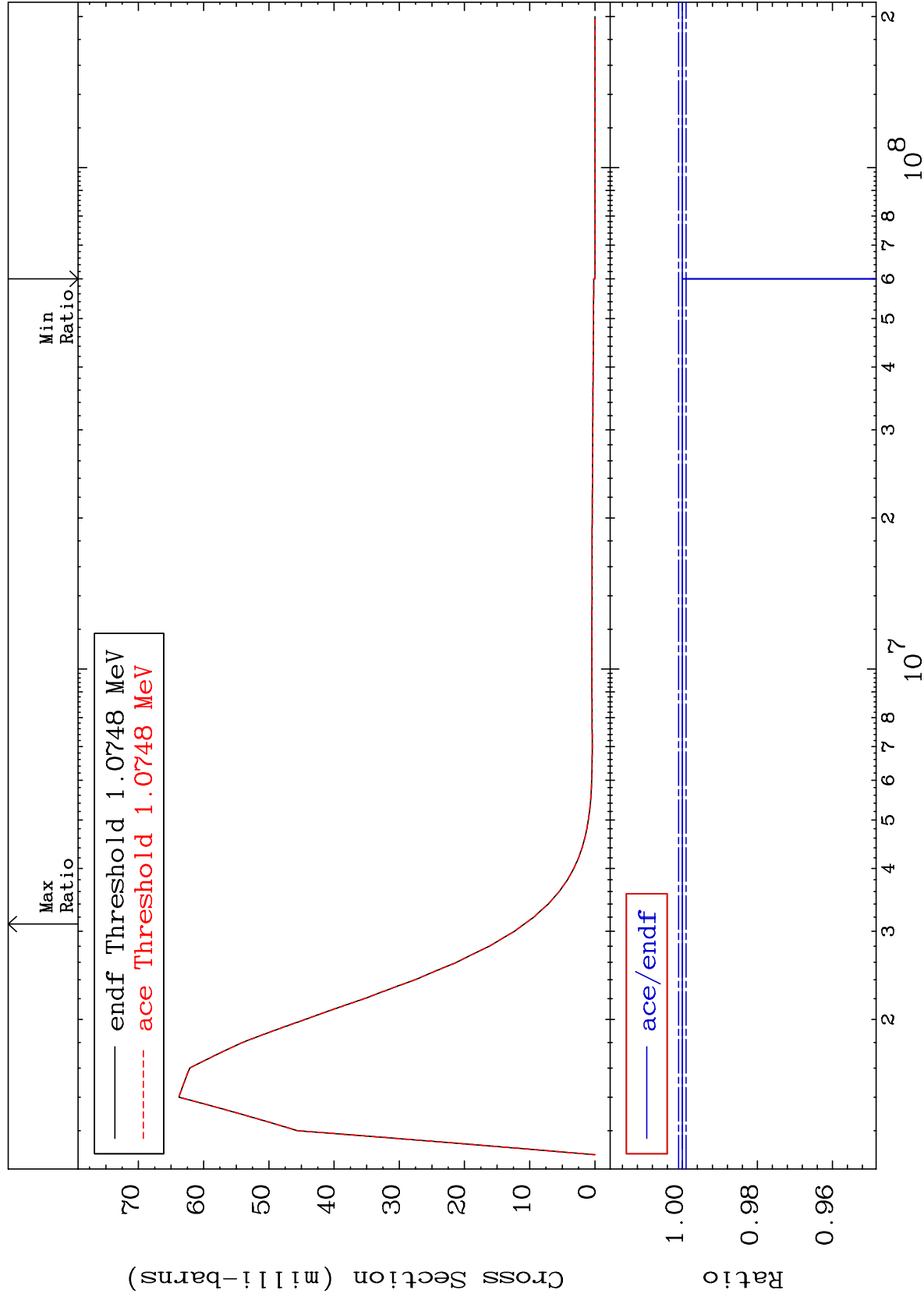
57-La-138



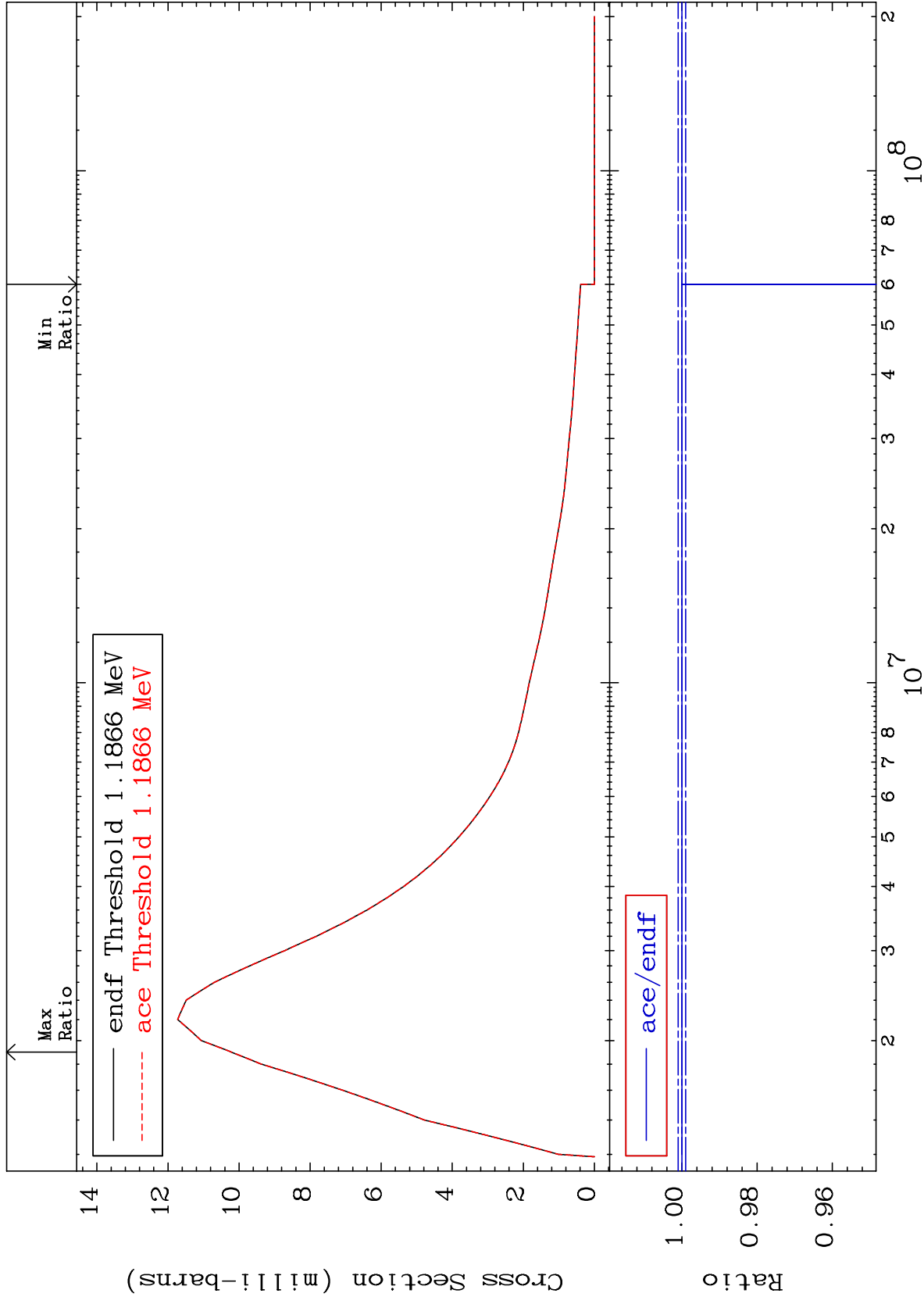
MAT 5725

1.067 MeV (n,n') Level  
Cross Section

57-La-138  
-100.0 To 0.000 %



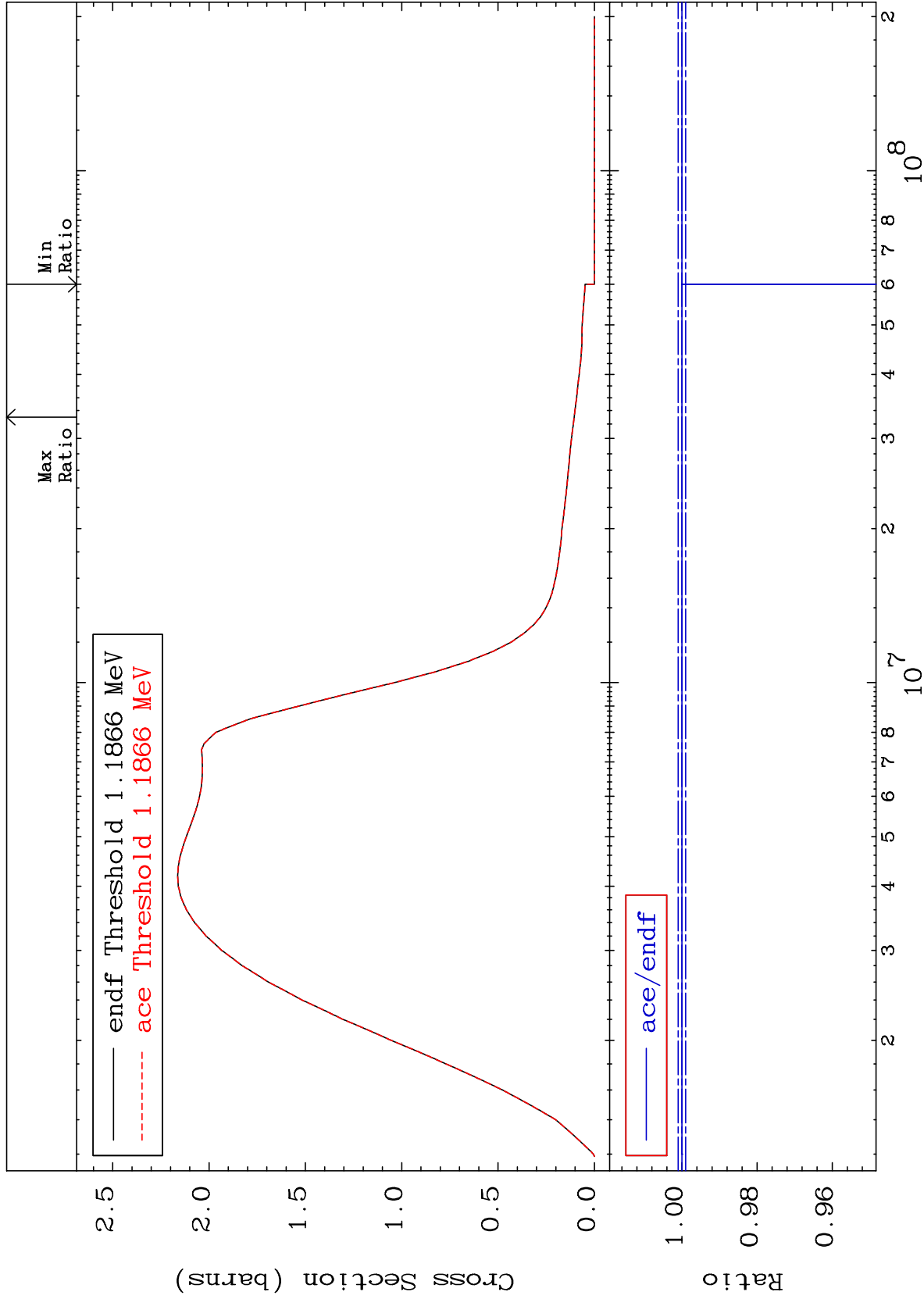
MAT 5725      1.178 MeV (n,n') Level      57-La-138  
 Cross Section      -100.0 To 0.000 %



MAT 5725

(n, n') Continuum  
Cross Section

57-La-138  
-100.0 To 0.000 %



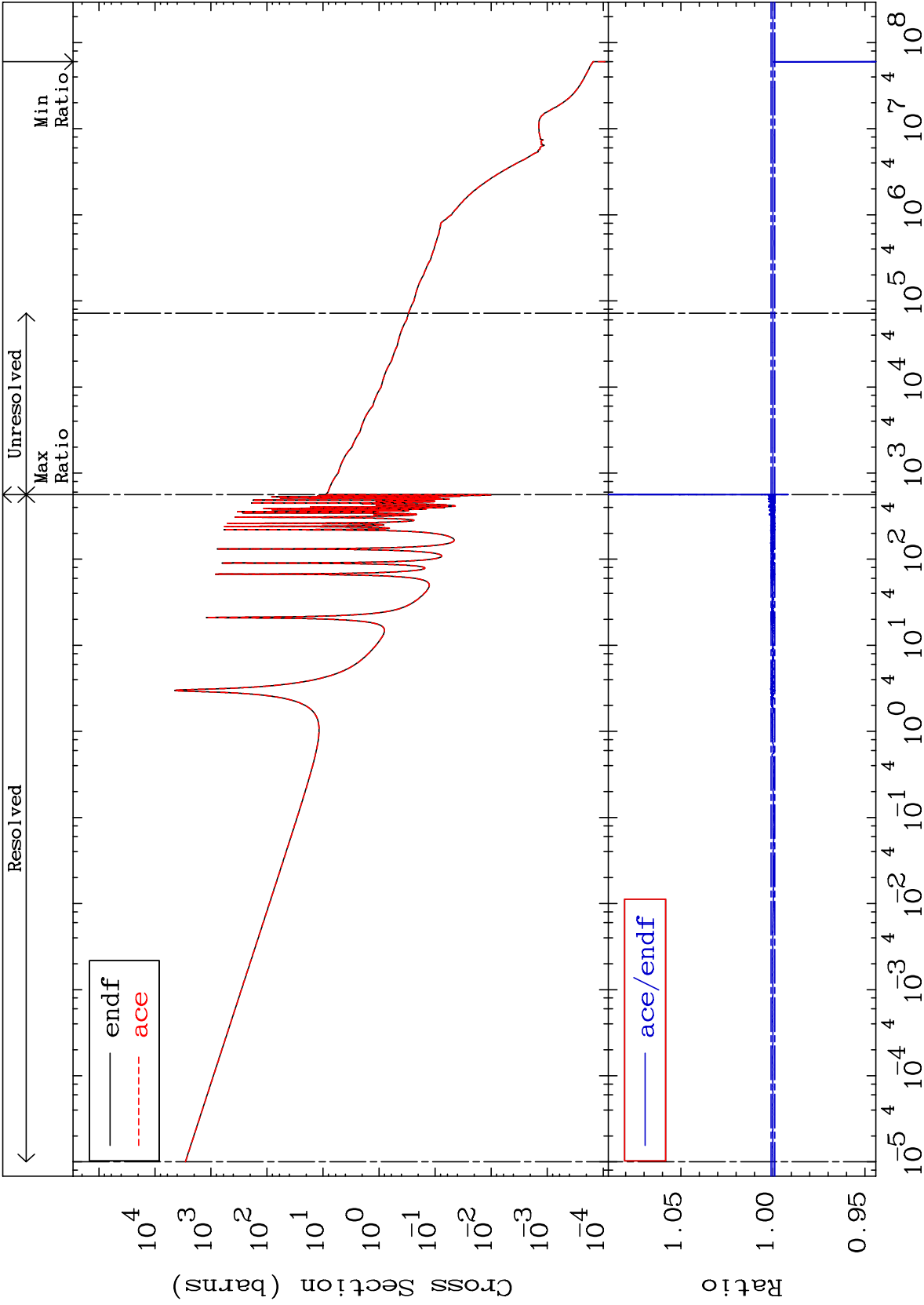
MAT 5725

(n,  $\gamma$ )

57-La-138

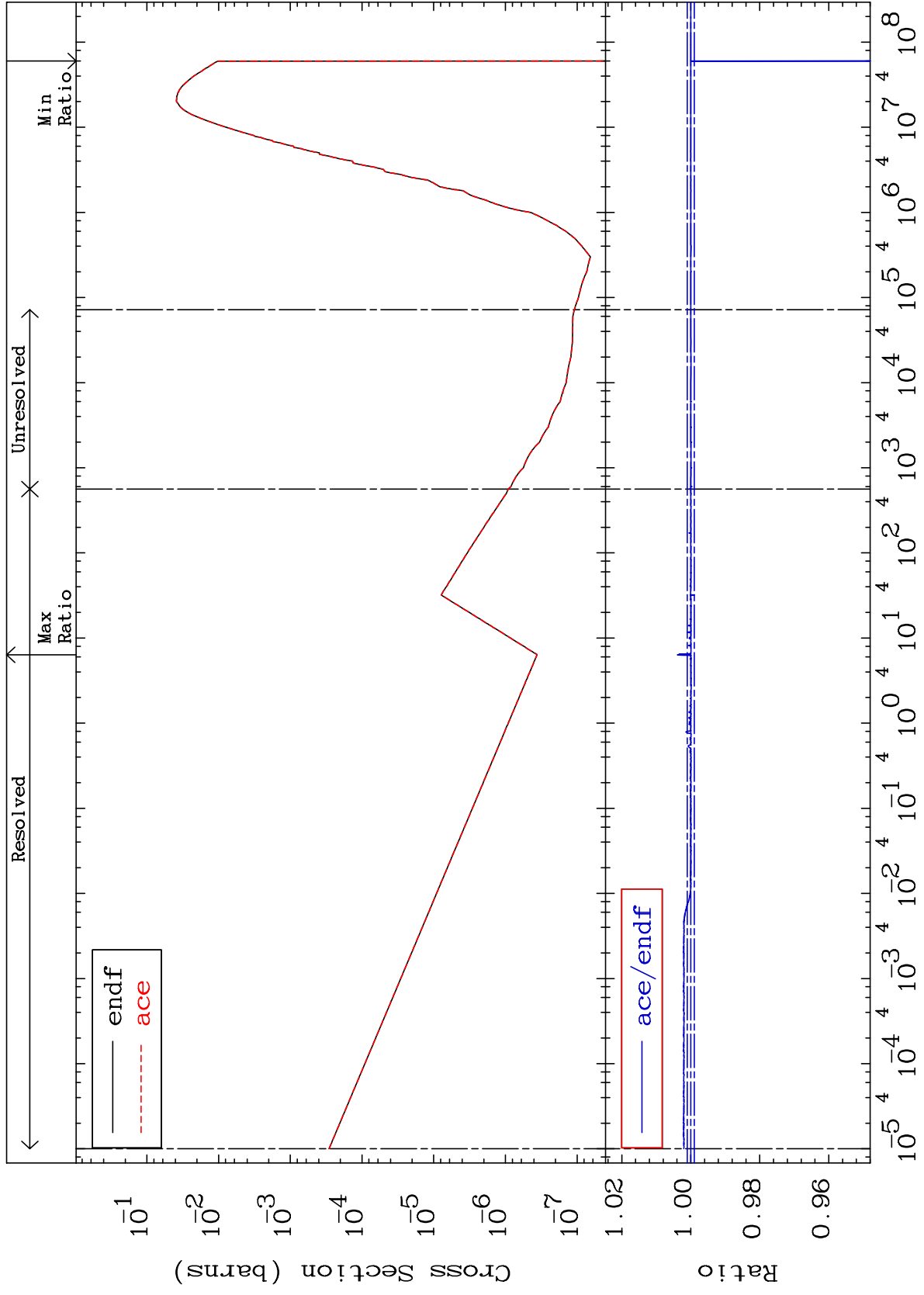
Cross Section

-100.0 To 110.0 %



MAT 5725

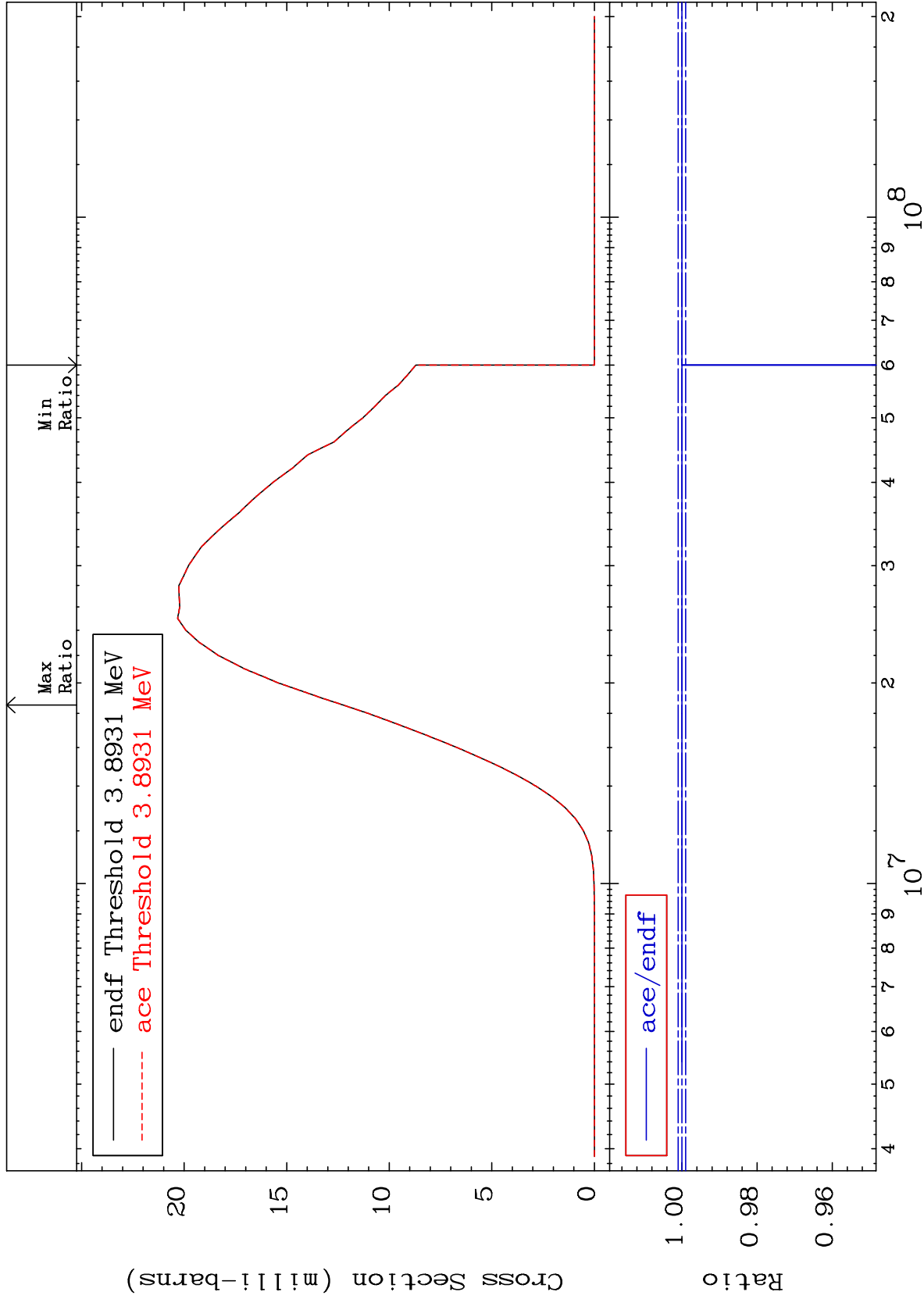
(n,p)  
Cross Section  
57-La-138  
-100.0 To 0.389 %



MAT 5725

57-La-138  
-100.0 To 0.000 %

(n, d)  
Cross Section

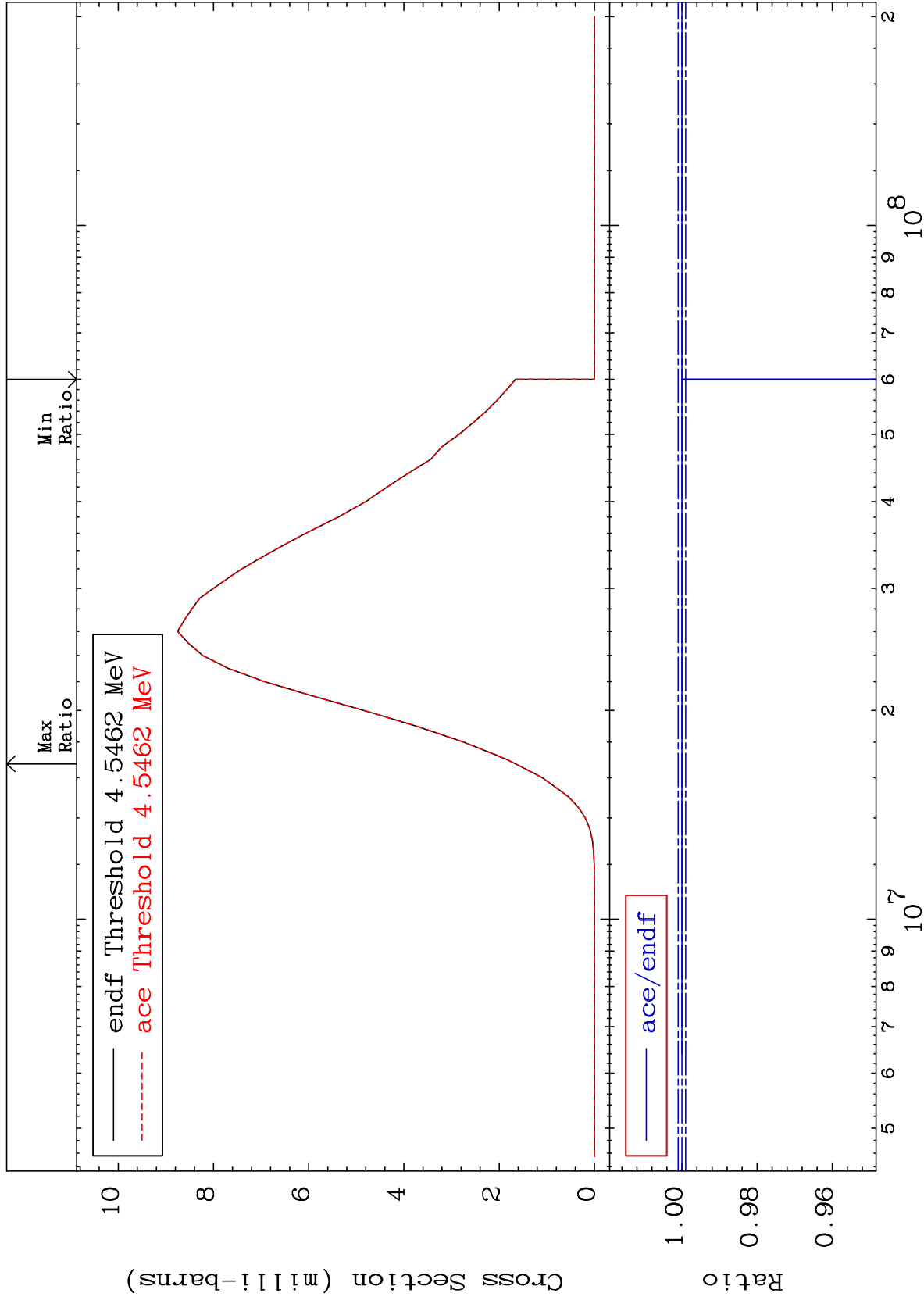


37

57-La-138

MAT 5725

(n, t)  
Cross Section  
57-La-138  
-100.0 To 0.000 %



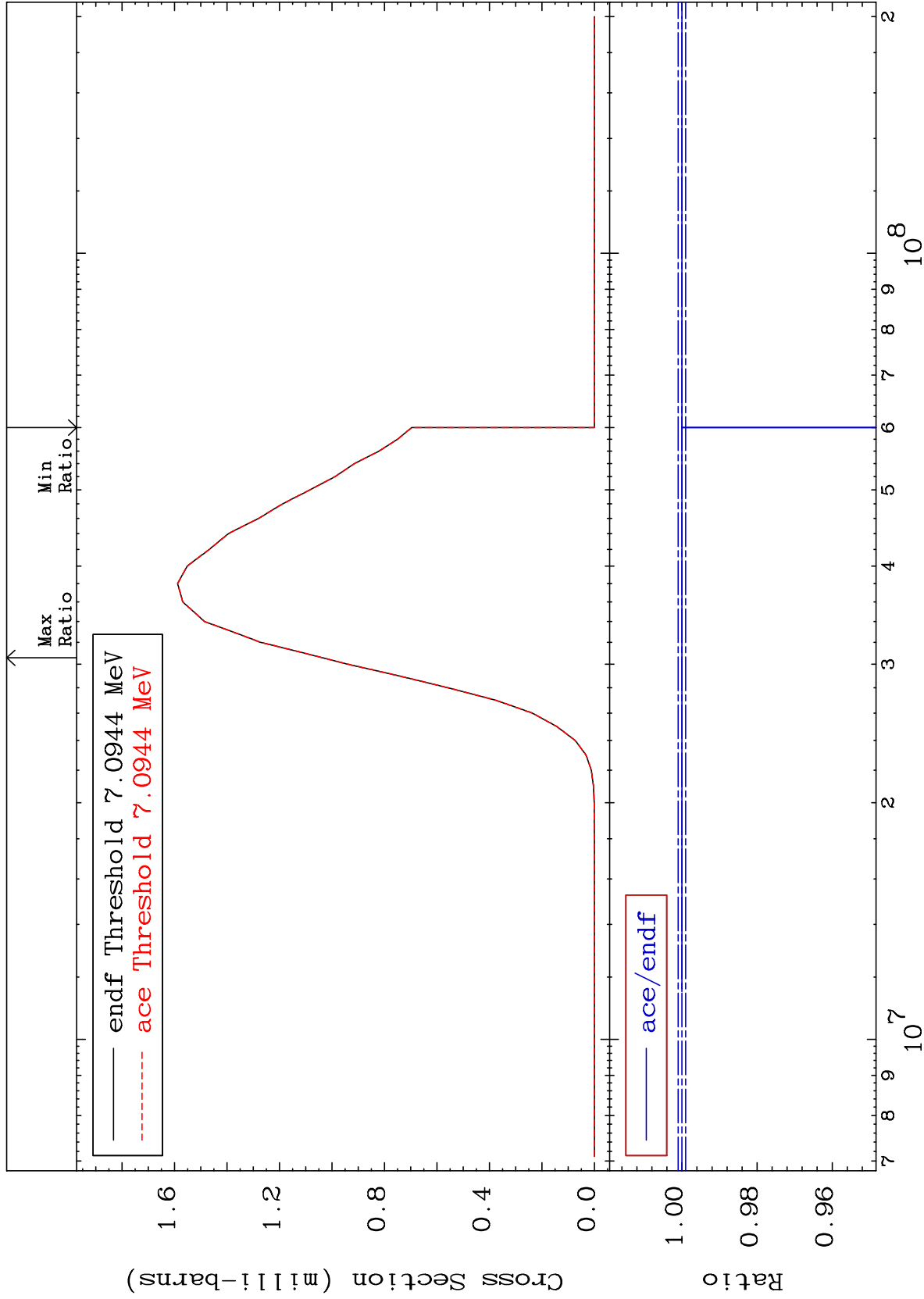
MAT 5725

(n, He-3)

57-La-138

Cross Section

-100.0 To 0.000 %





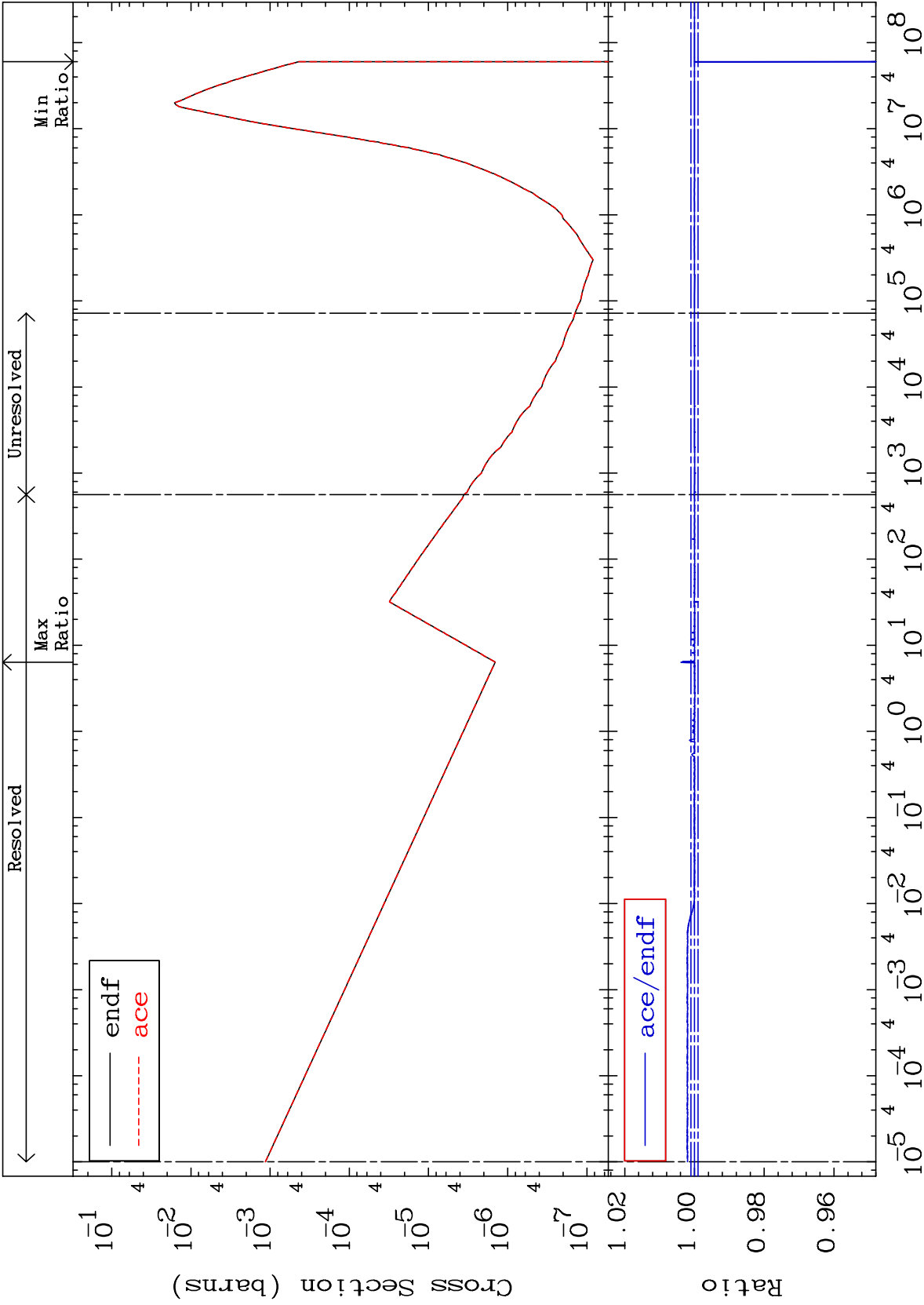
MAT 5725

(n,  $\alpha$ )

57-La-138

Cross Section

-100.0 To 0.389 %



40

Incident Energy (eV)

57-La-138

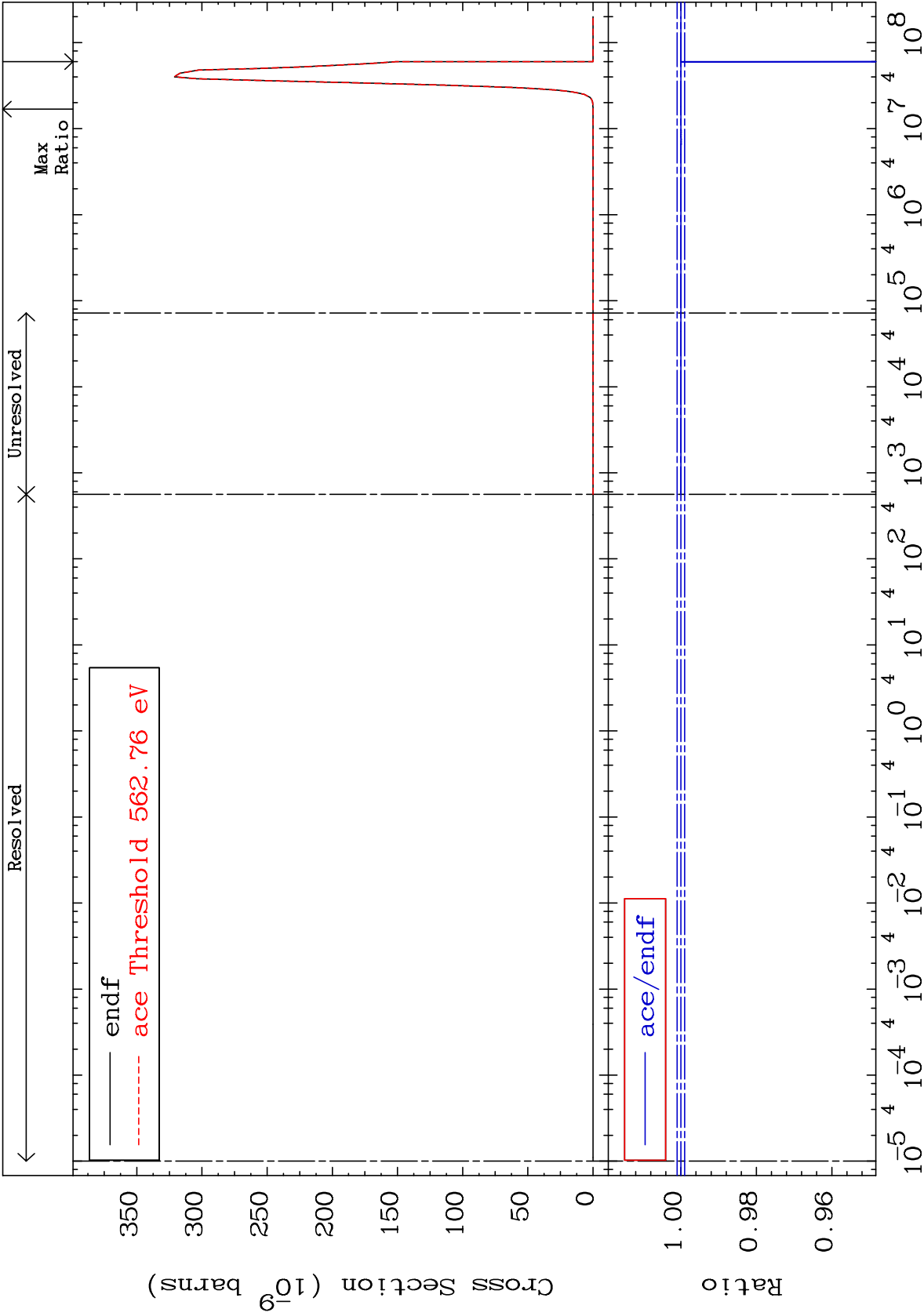
MAT 5725

(n, 2α)

57-La-138

Cross Section

-100.0 To 0.000 %



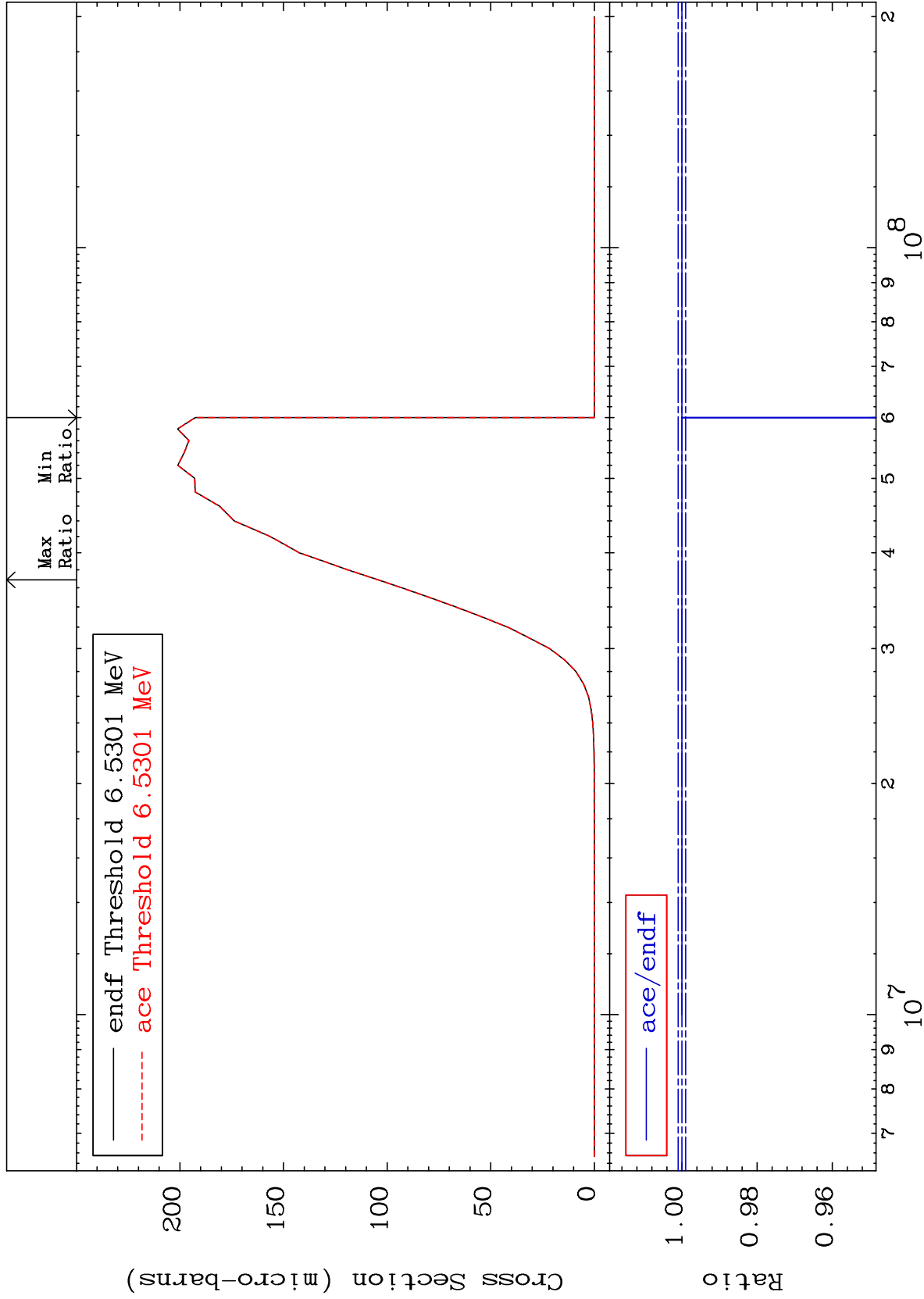
MAT 5725

(n,2p)

57-La-138

Cross Section

-100.0 To 0.000 %



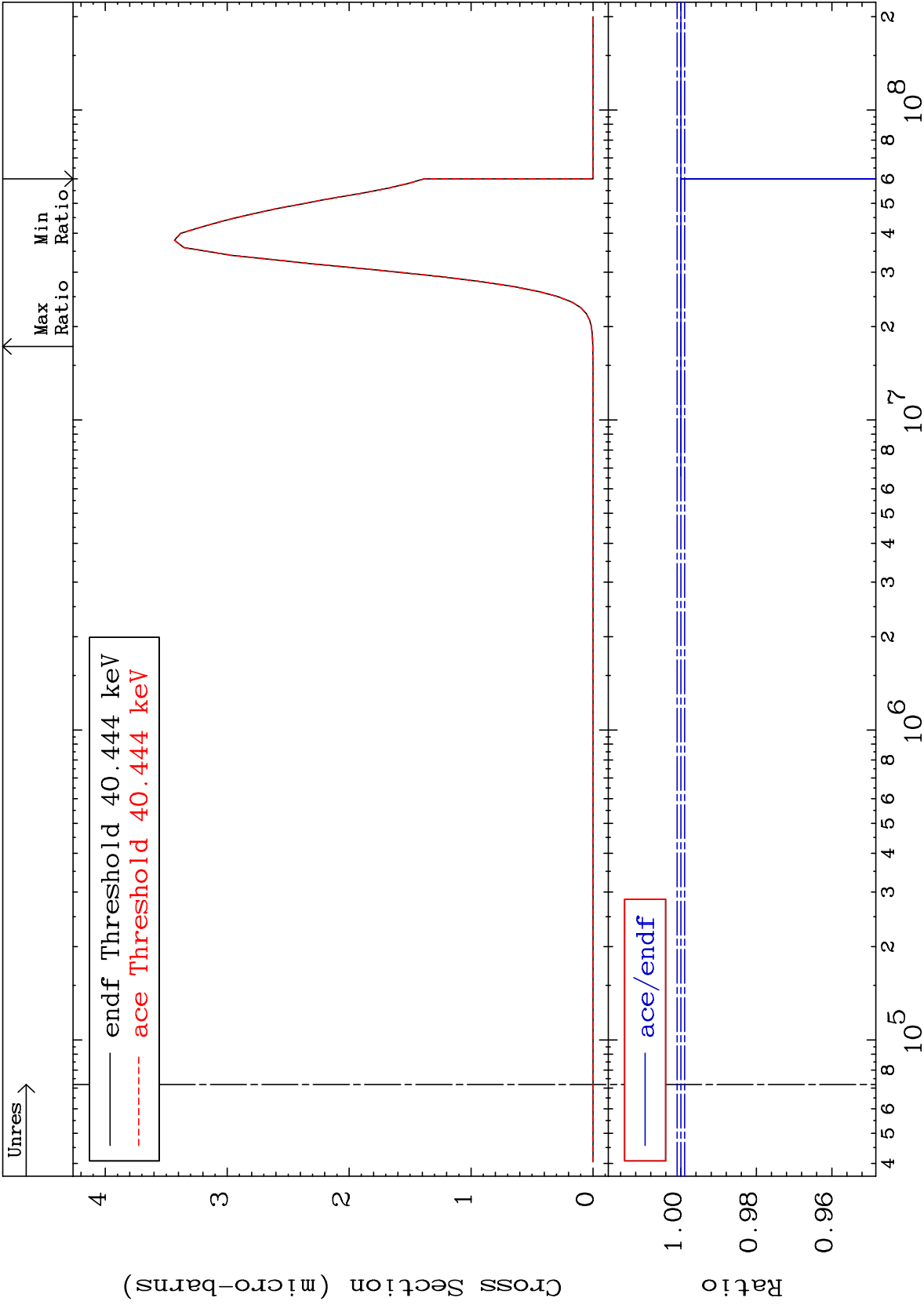
MAT 5725

(n,p)  $\alpha$

57-La-138

Cross Section

-100.0 To 0.000 %



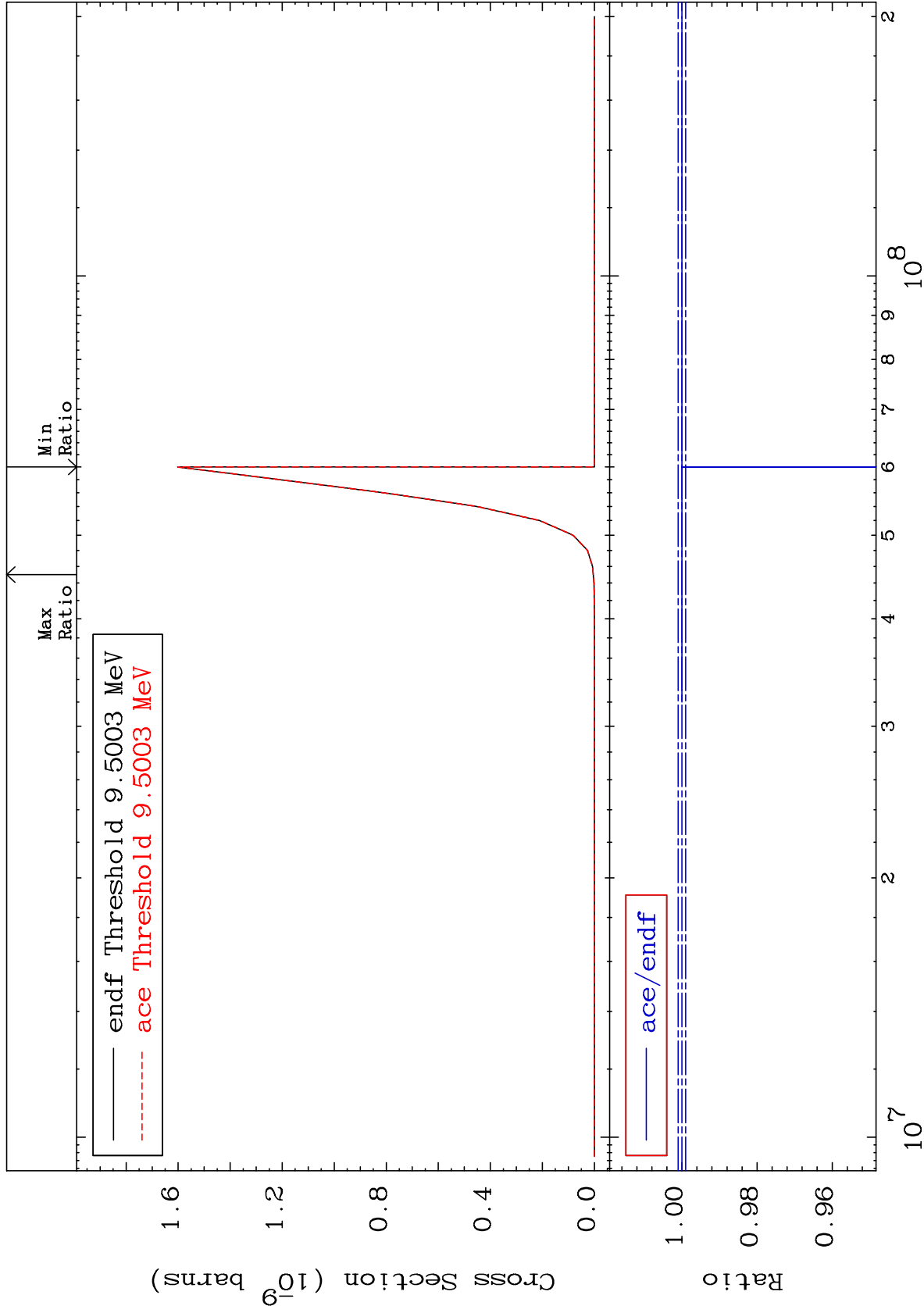
43

57-La-138

MAT 5725

(n, d)  $2\alpha$   
Cross Section

57-La-138  
-100.0 To 0.000 %



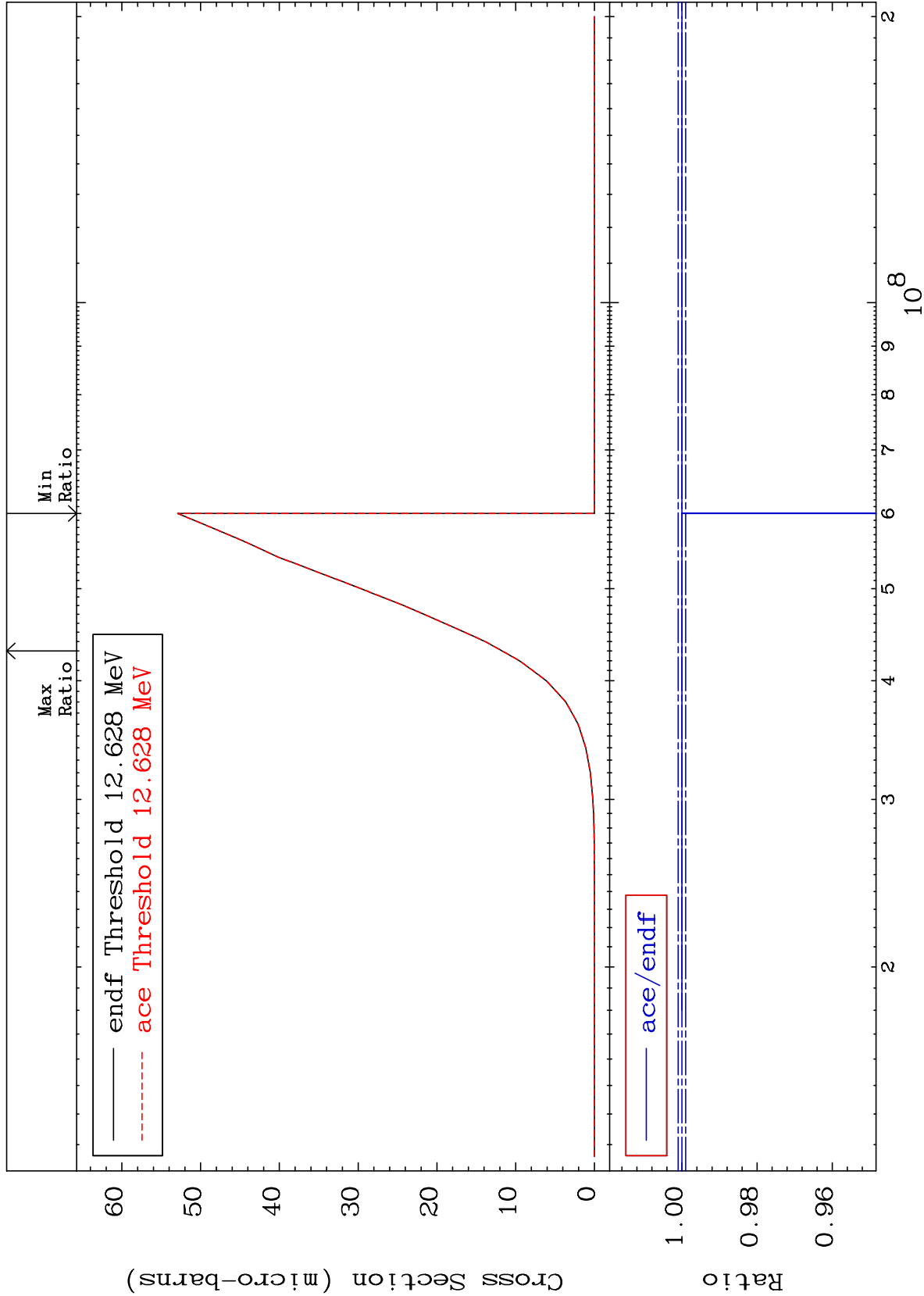
MAT 5725

(n,p) d

57-La-138

-100.0 To 0.000 %

Cross Section



45

Incident Energy (eV)

57-La-138

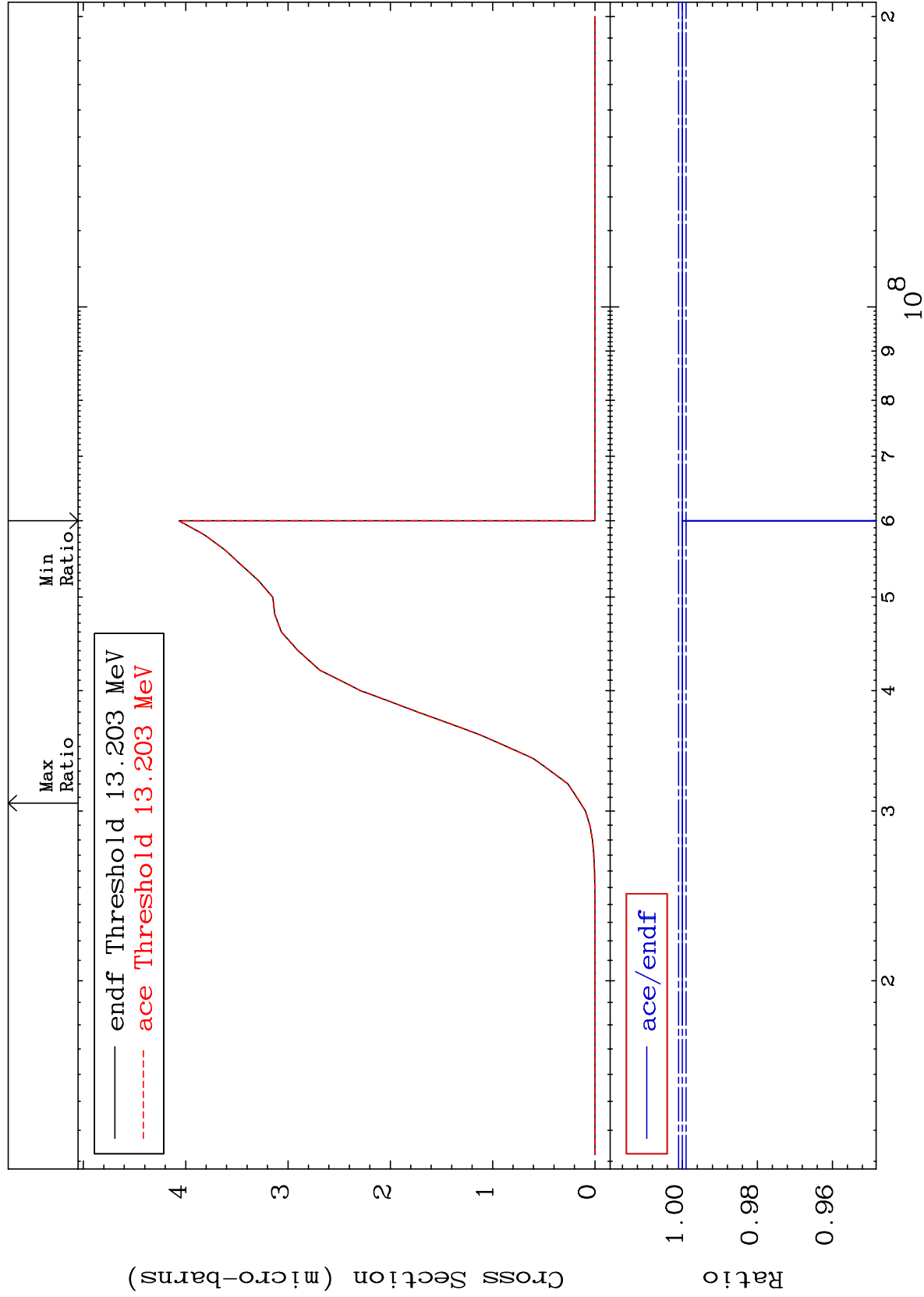
MAT 5725

(n,p) t

57-La-138

Cross Section

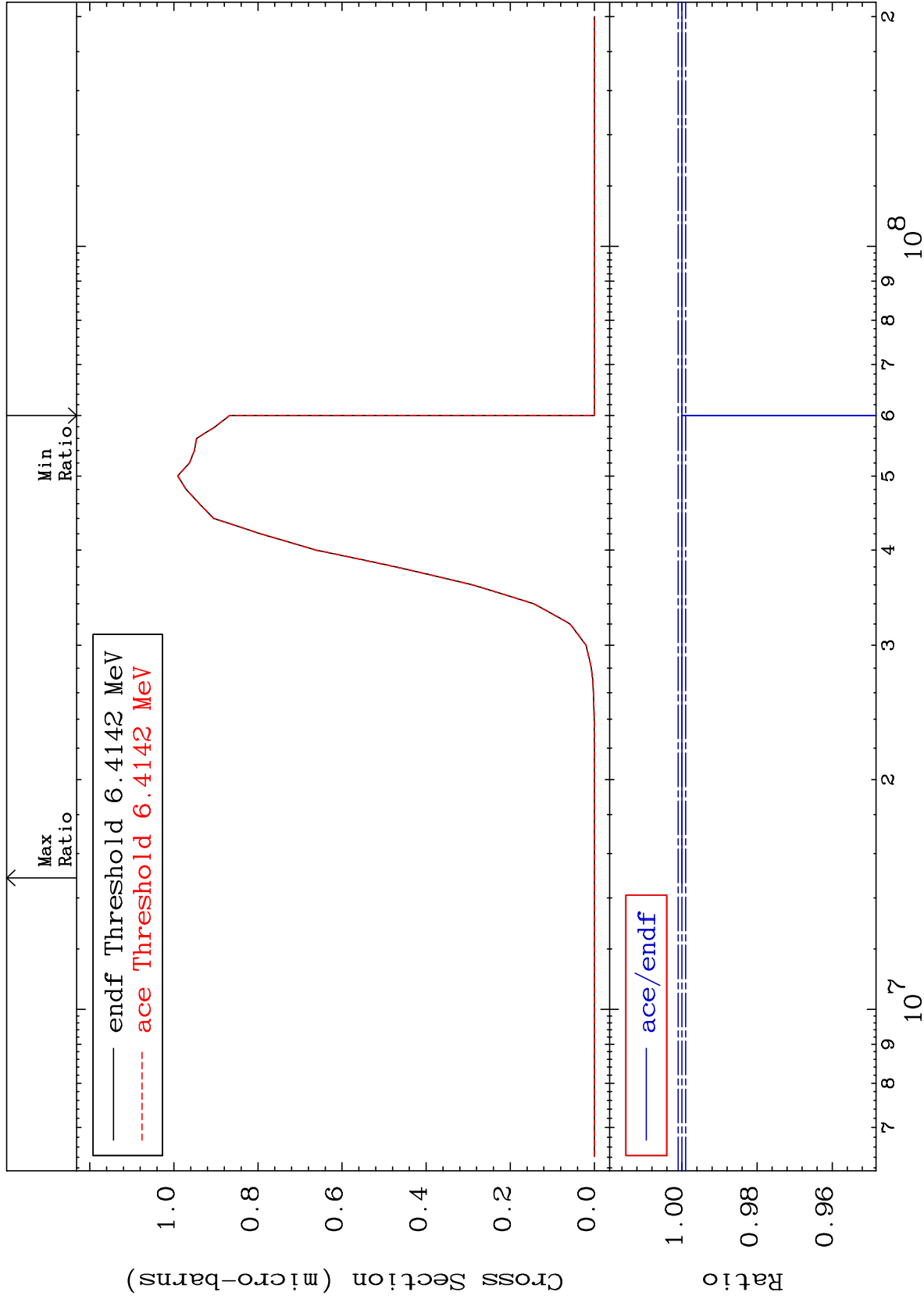
-100.0 To 0.000 %



MAT 5725

(n,d)  $\alpha$   
Cross Section

57-La-138  
-100.0 To 0.000 %



47

57-La-138



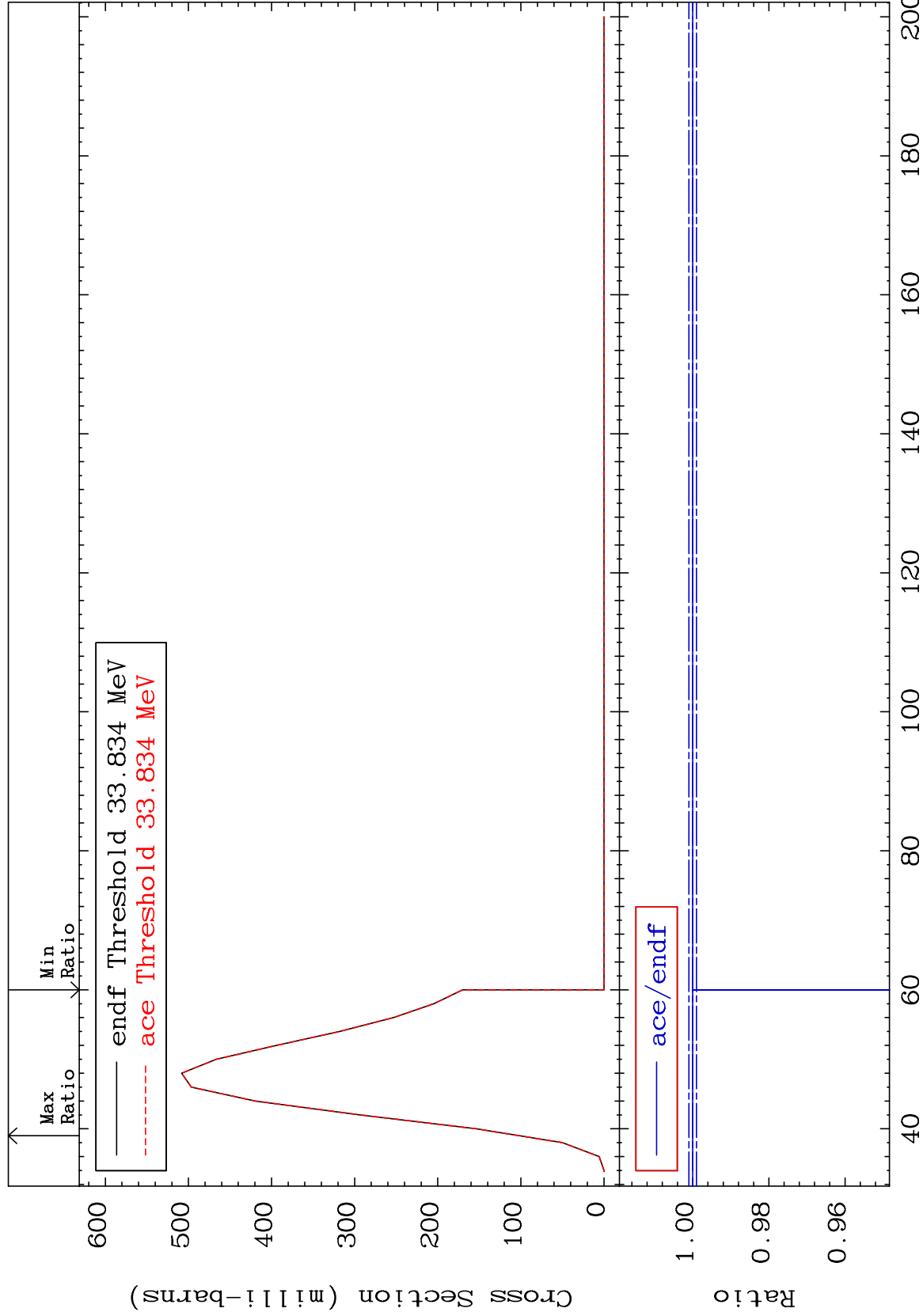
MAT 5725

(n, 5n)

57-La-138

Cross Section

-100.0 To 0.000 %



48

Incident Energy (MeV)

57-La-138

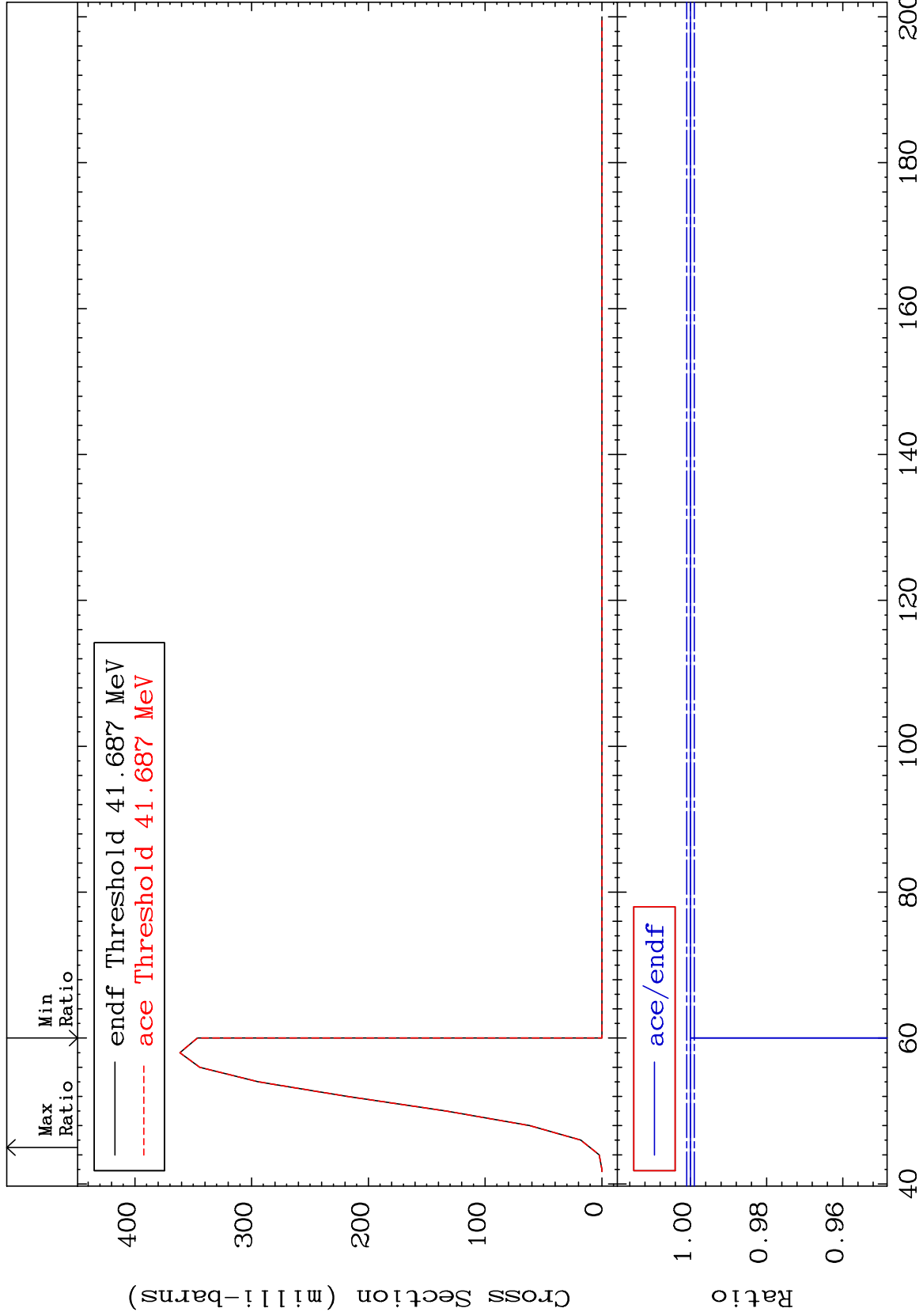
MAT 5725

(n, 6n)

57-La-138

Cross Section

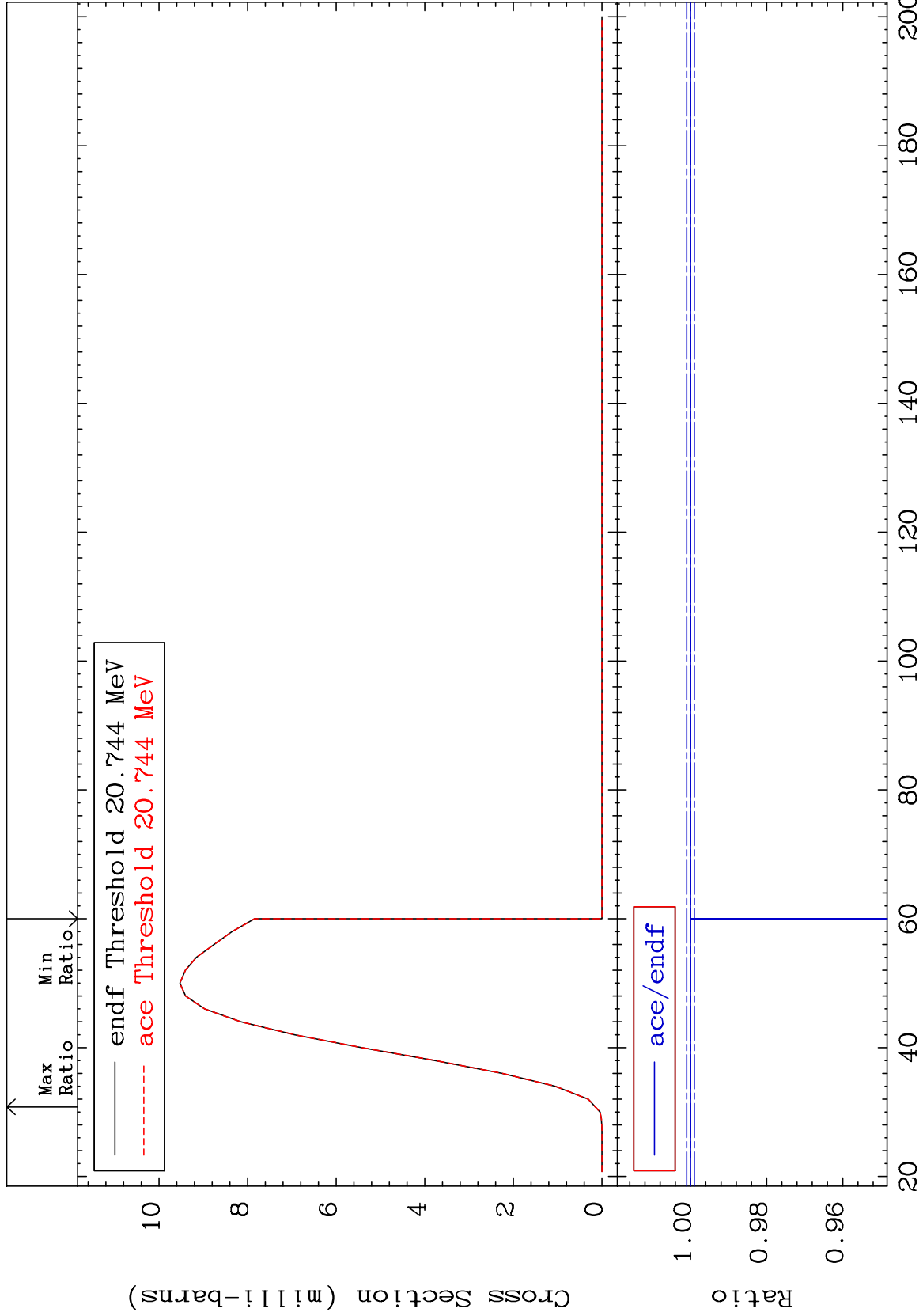
-100.0 To 0.000 %



MAT 5725

(n,2nt)  
Cross Section

57-La-138  
-100.0 To 0.000 %



50

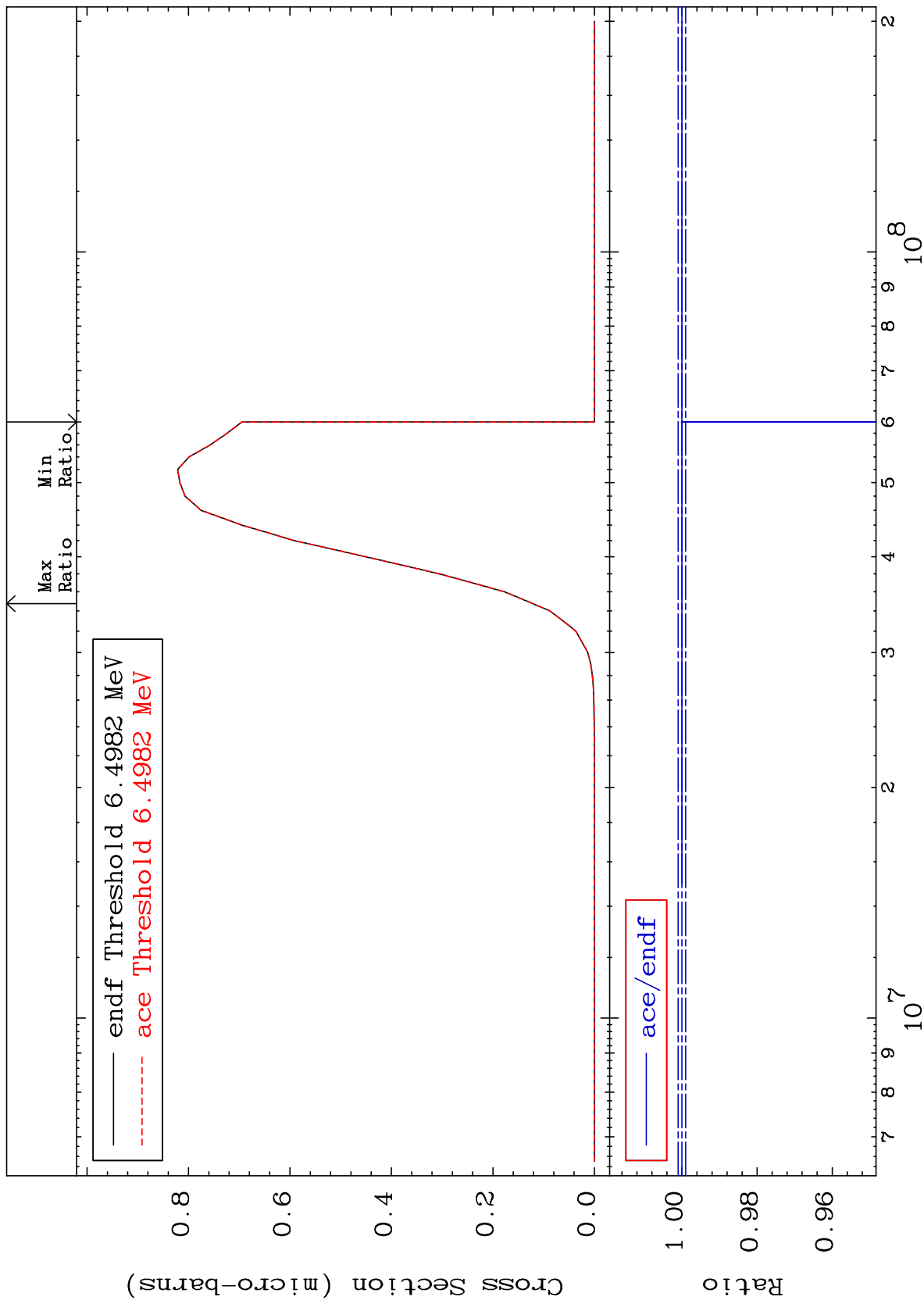
Incident Energy (MeV)

57-La-138

MAT 5725

57-La-138  
-100.0 To 0.000 %

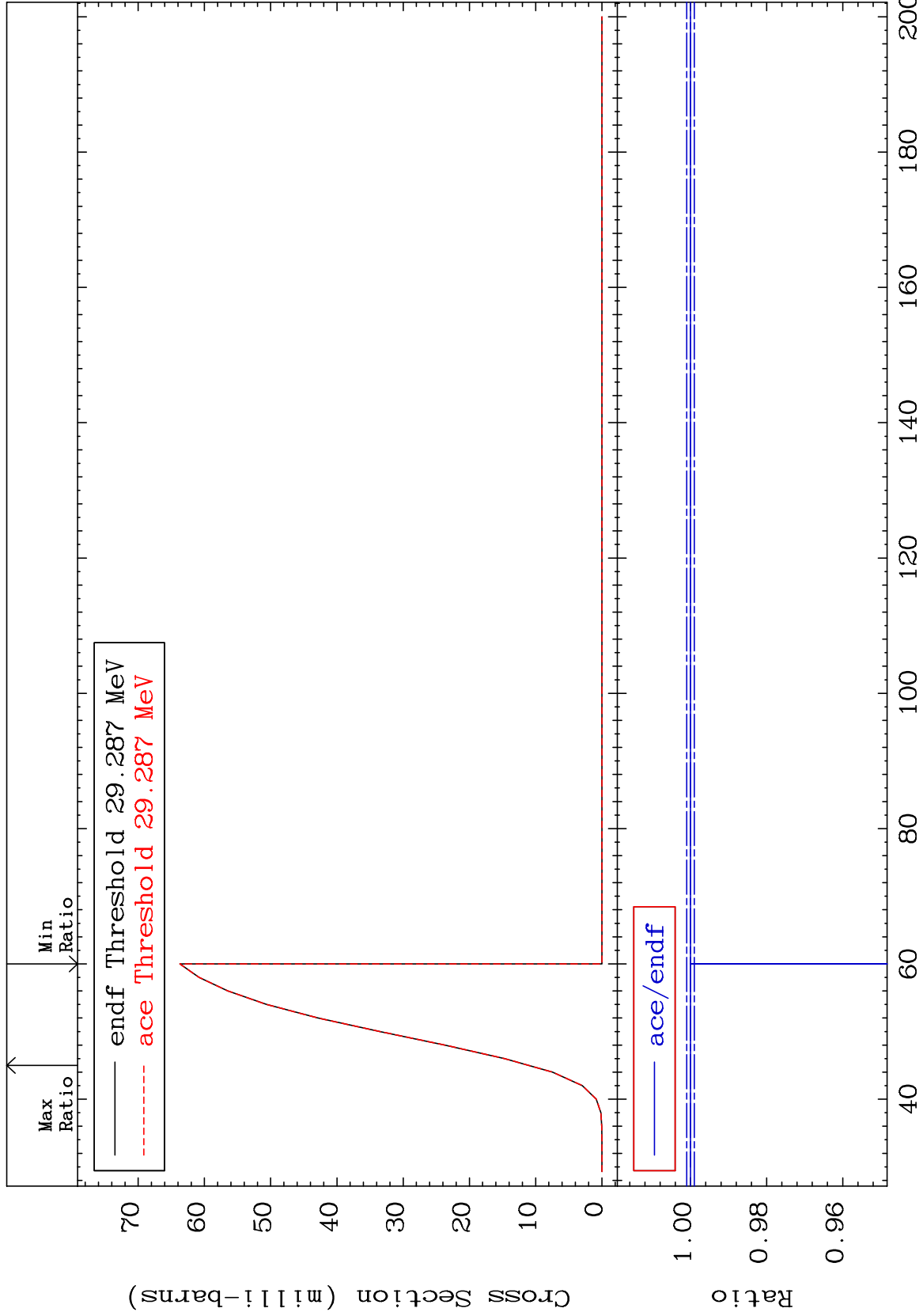
(n,  $\alpha$ )  
Cross Section



MAT 5725

(n, 4np)  
Cross Section

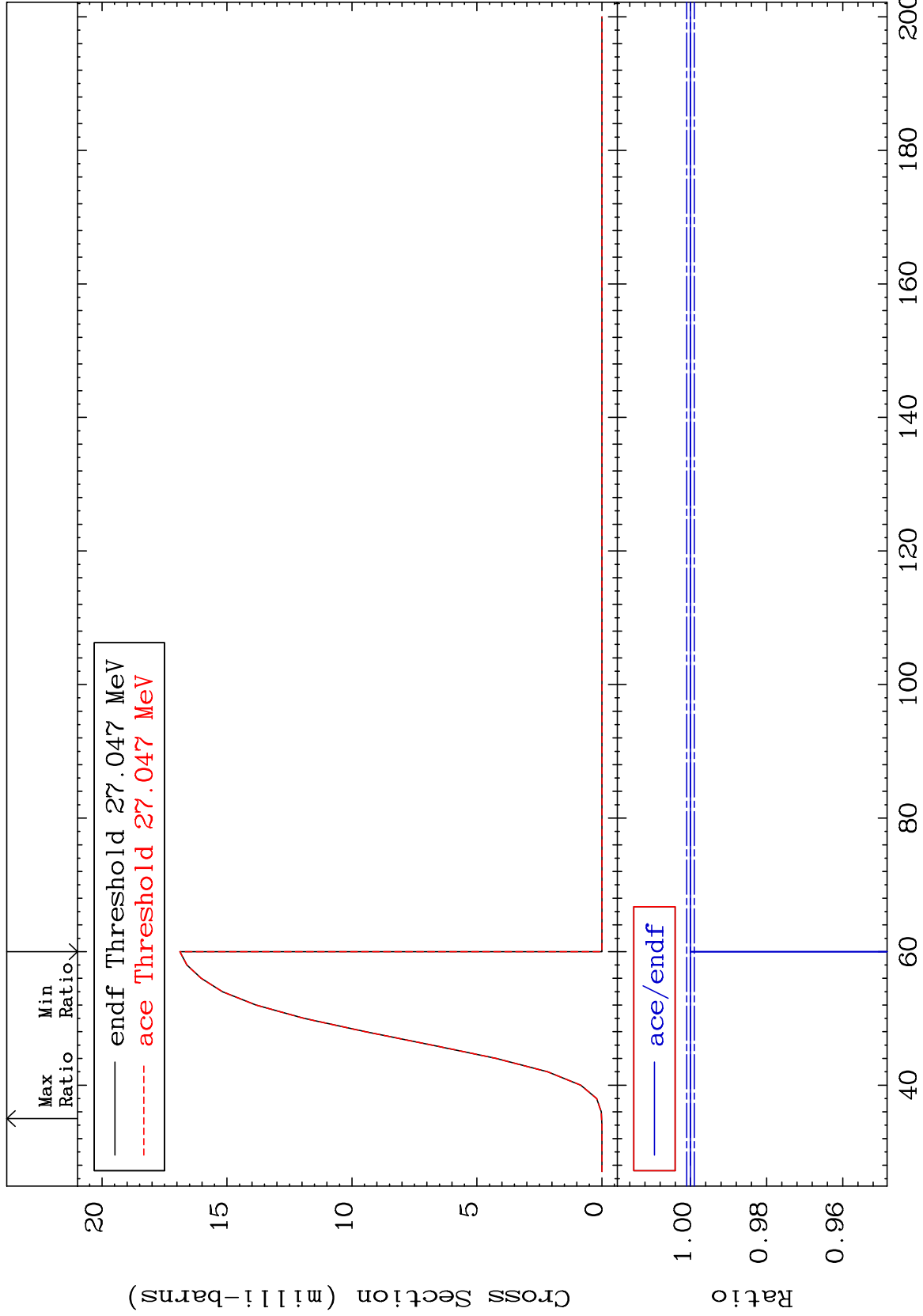
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n, 3nd)  
Cross Section

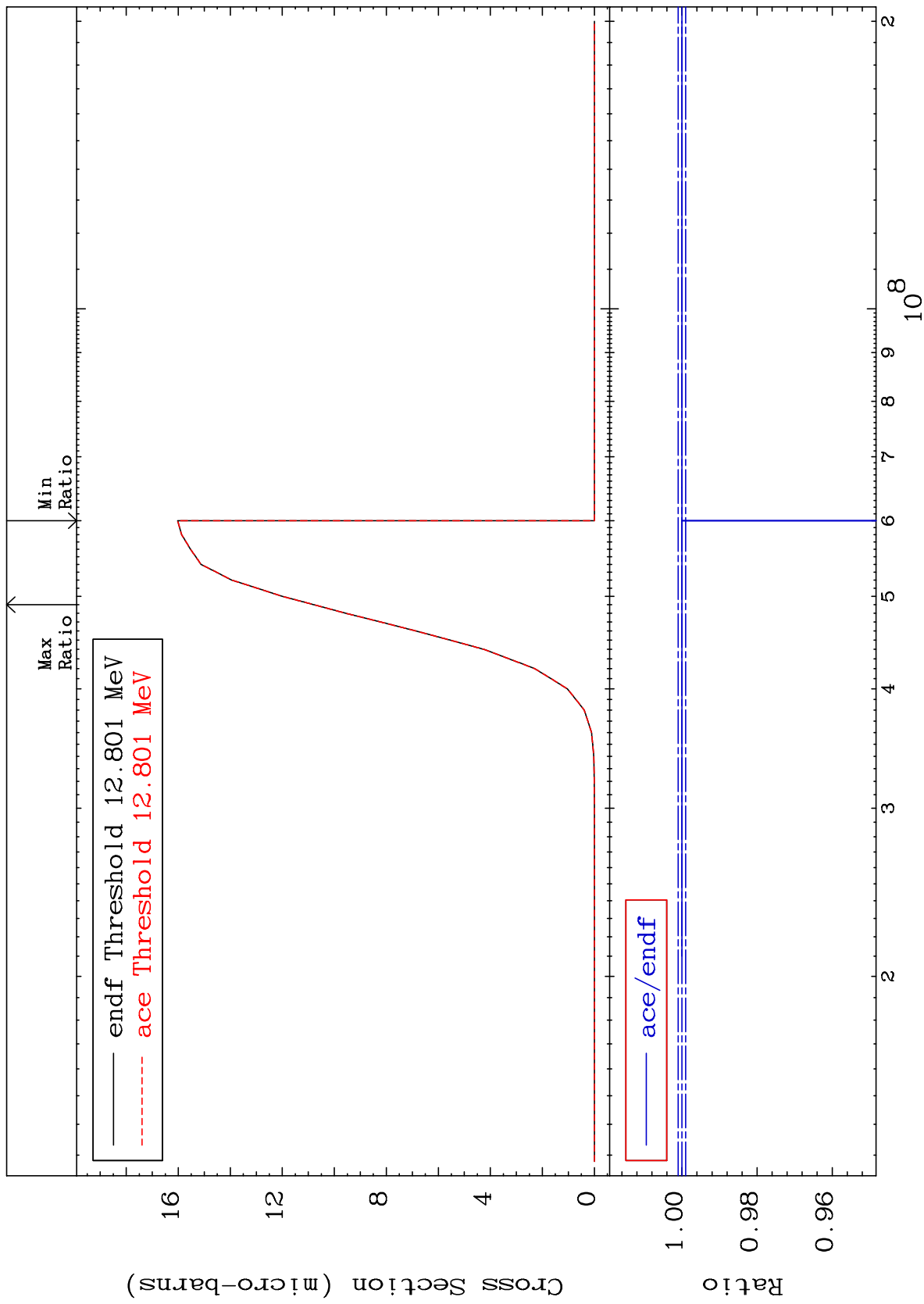
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n, n'α)  
Cross Section

57-La-138  
-100.0 To 0.000 %



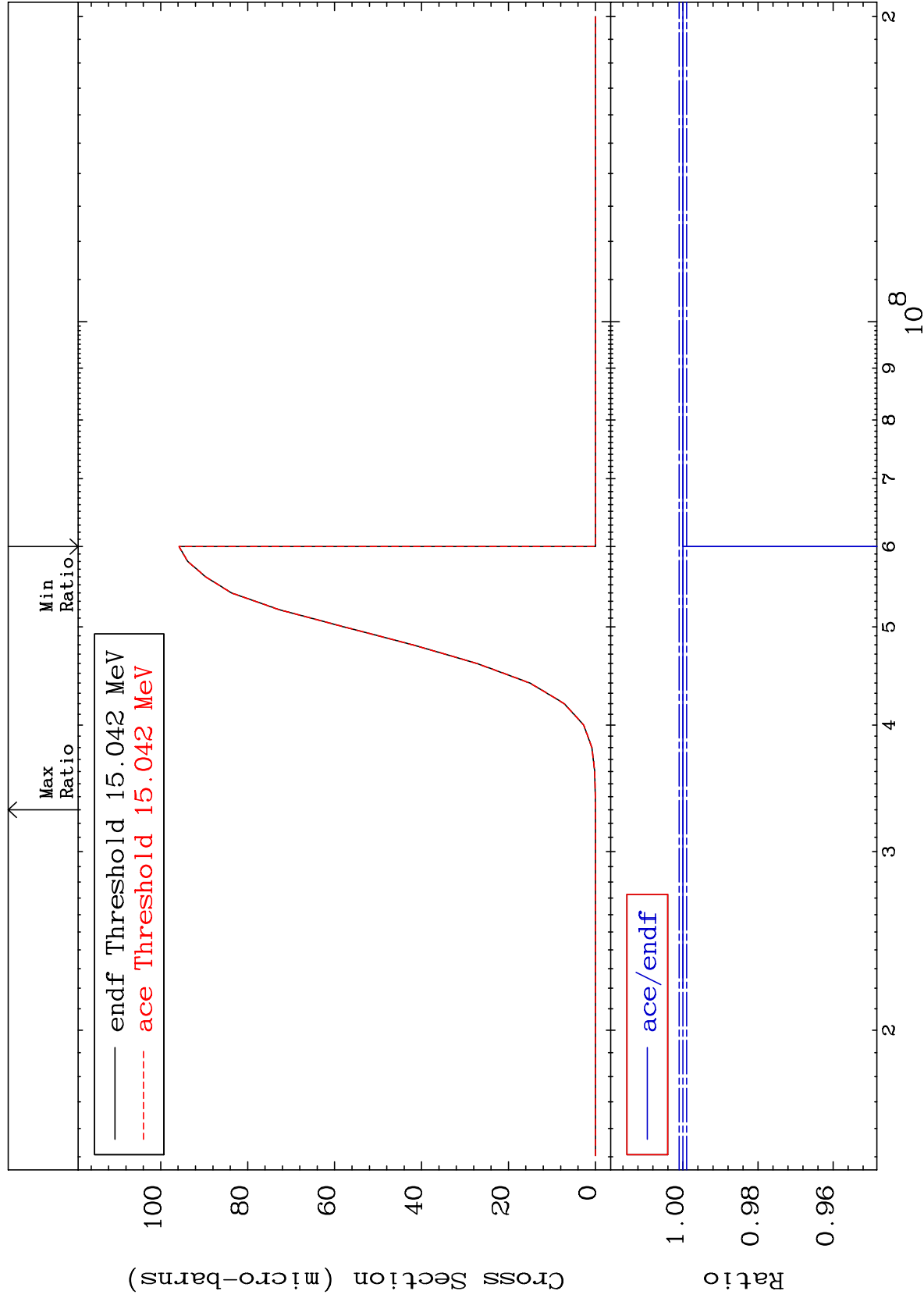
MAT 5725

(n,2n $\alpha$ )

57-La-138

Cross Section

-100.0 To 0.000 %



55

Incident Energy (eV)

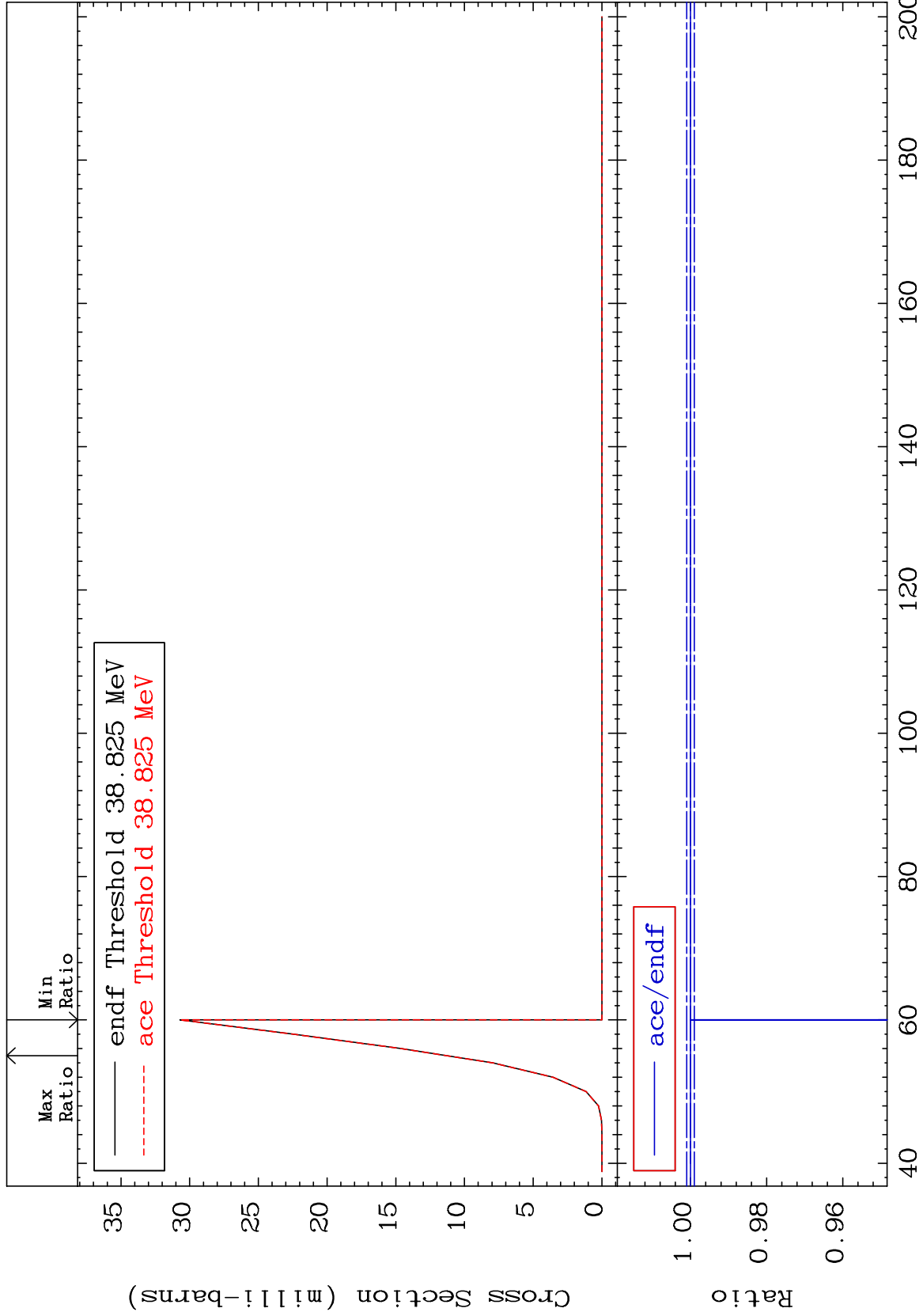
57-La-138



MAT 5725

(n, 5np)  
Cross Section

57-La-138  
-100.0 To 0.000 %



56

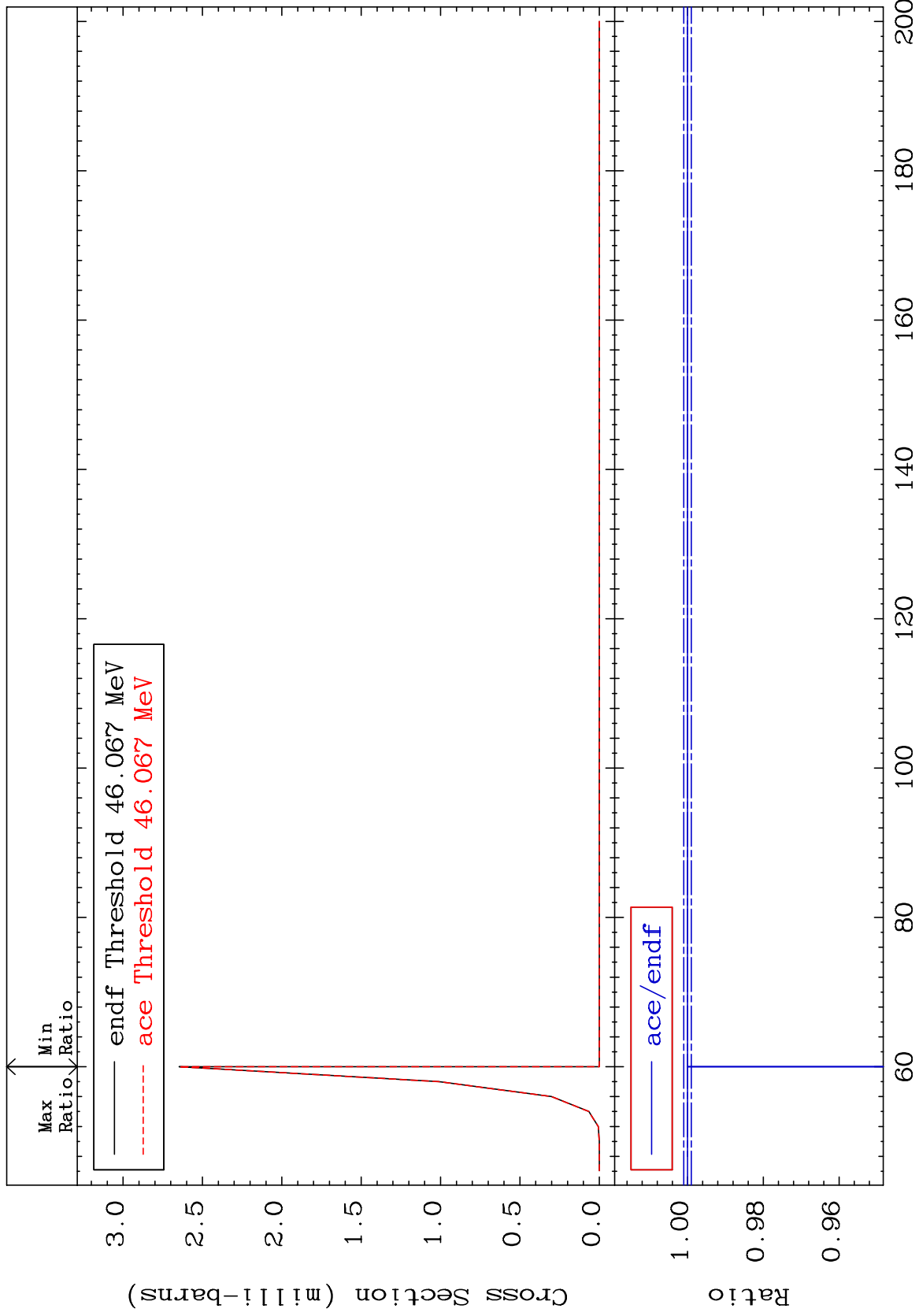
Incident Energy (MeV)

57-La-138

MAT 5725

(n, 6np)  
Cross Section

57-La-138  
-100.0 To 0.000 %



57

Incident Energy (MeV)

57-La-138

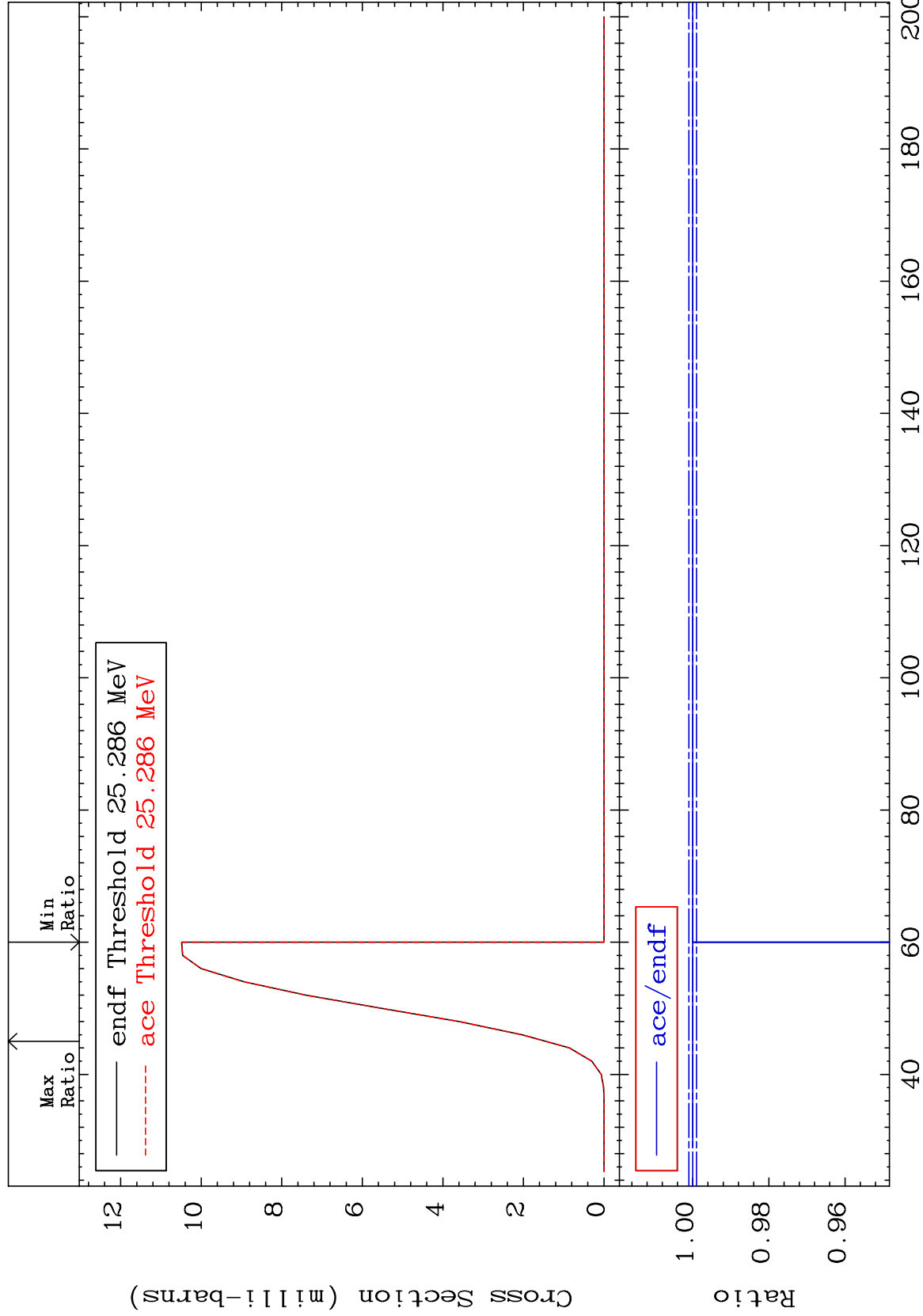
MAT 5725

(n, 4n $\alpha$ )

57-La-138

Cross Section

-100.0 To 0.000 %



58

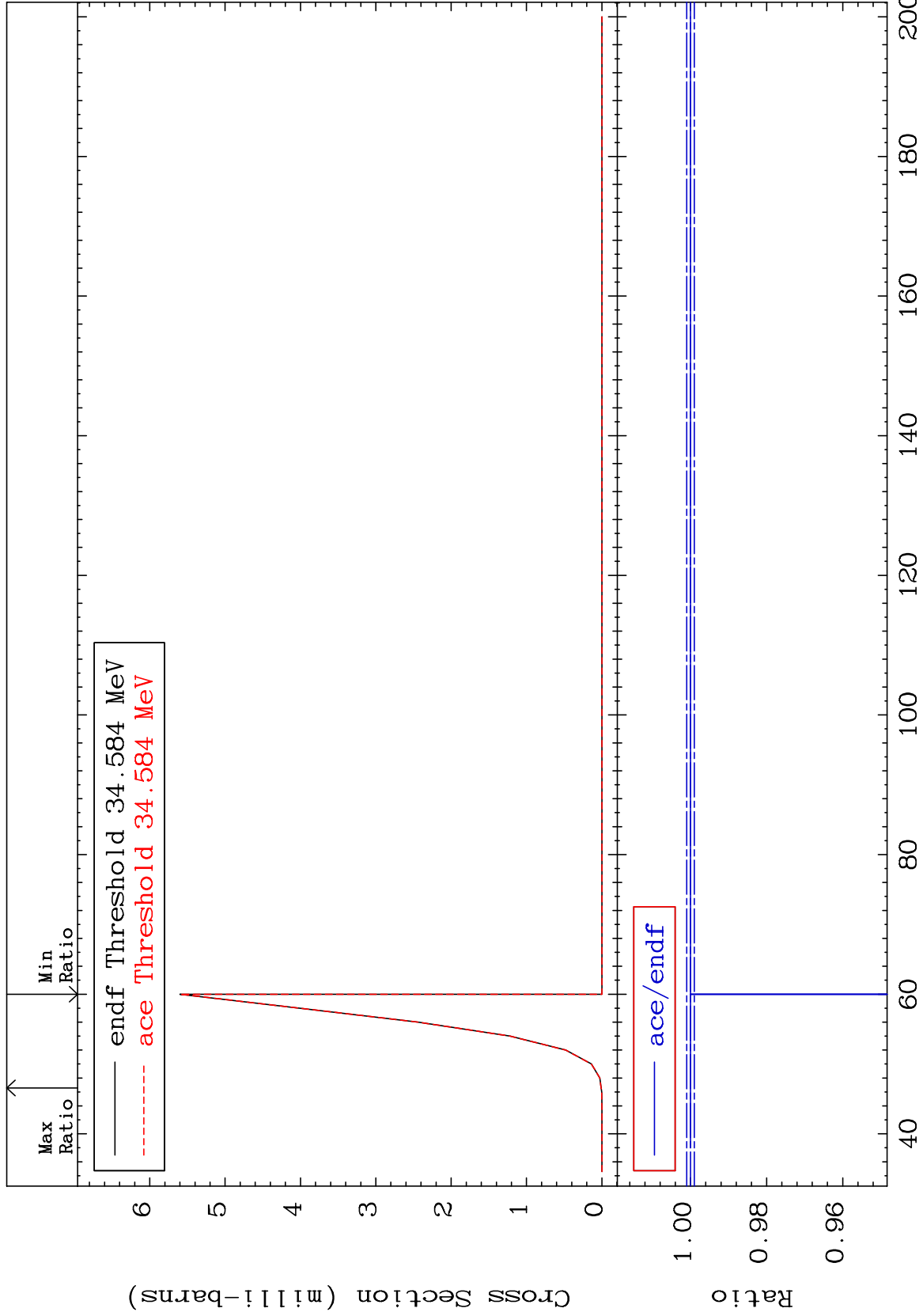
Incident Energy (MeV)

57-La-138

MAT 5725

(n,5n)  
Cross Section

57-La-138  
-100.0 To 0.000 %



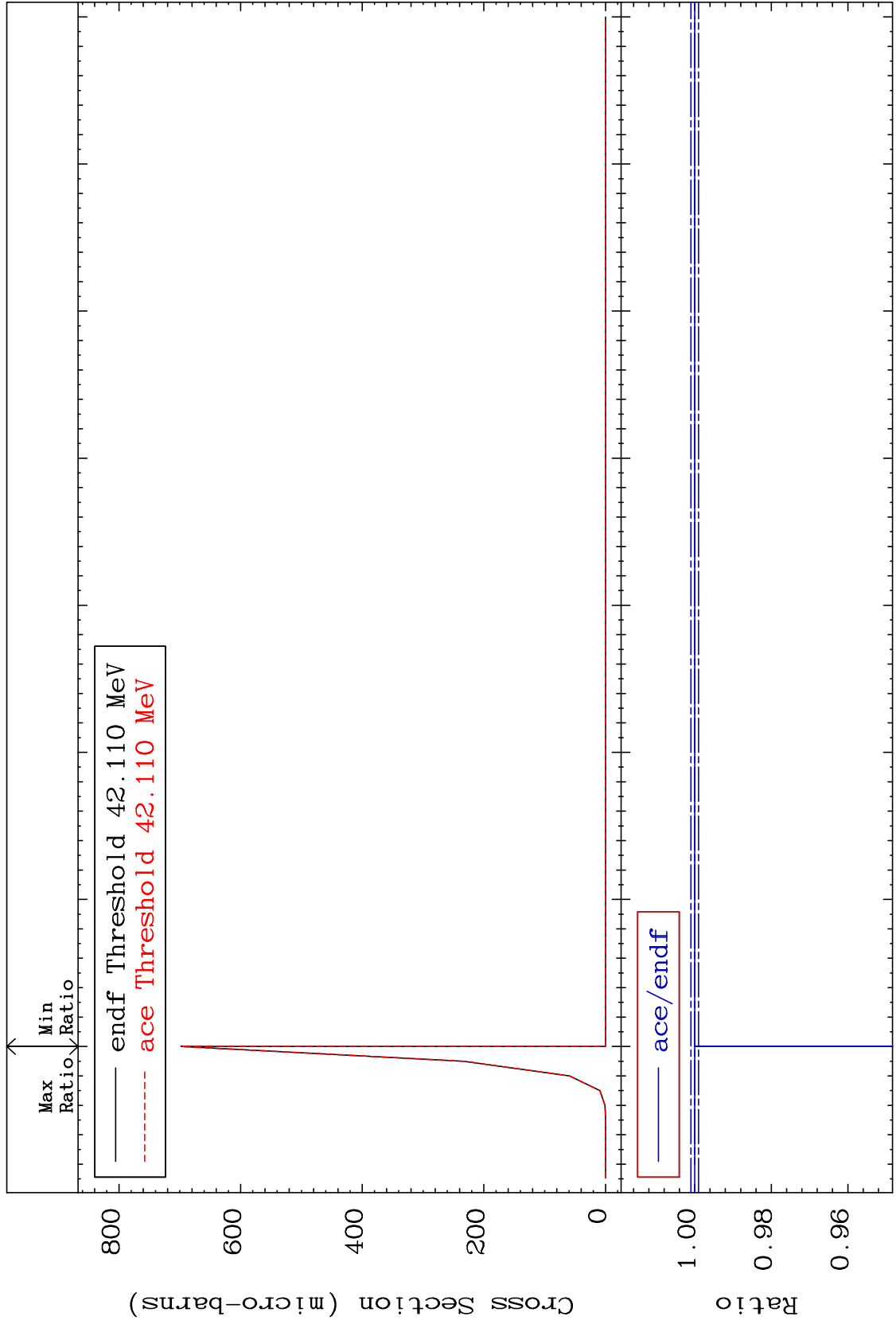
MAT 5725

(n, 6n $\alpha$ )

57-La-138

Cross Section

-100.0 To 0.000 %



60

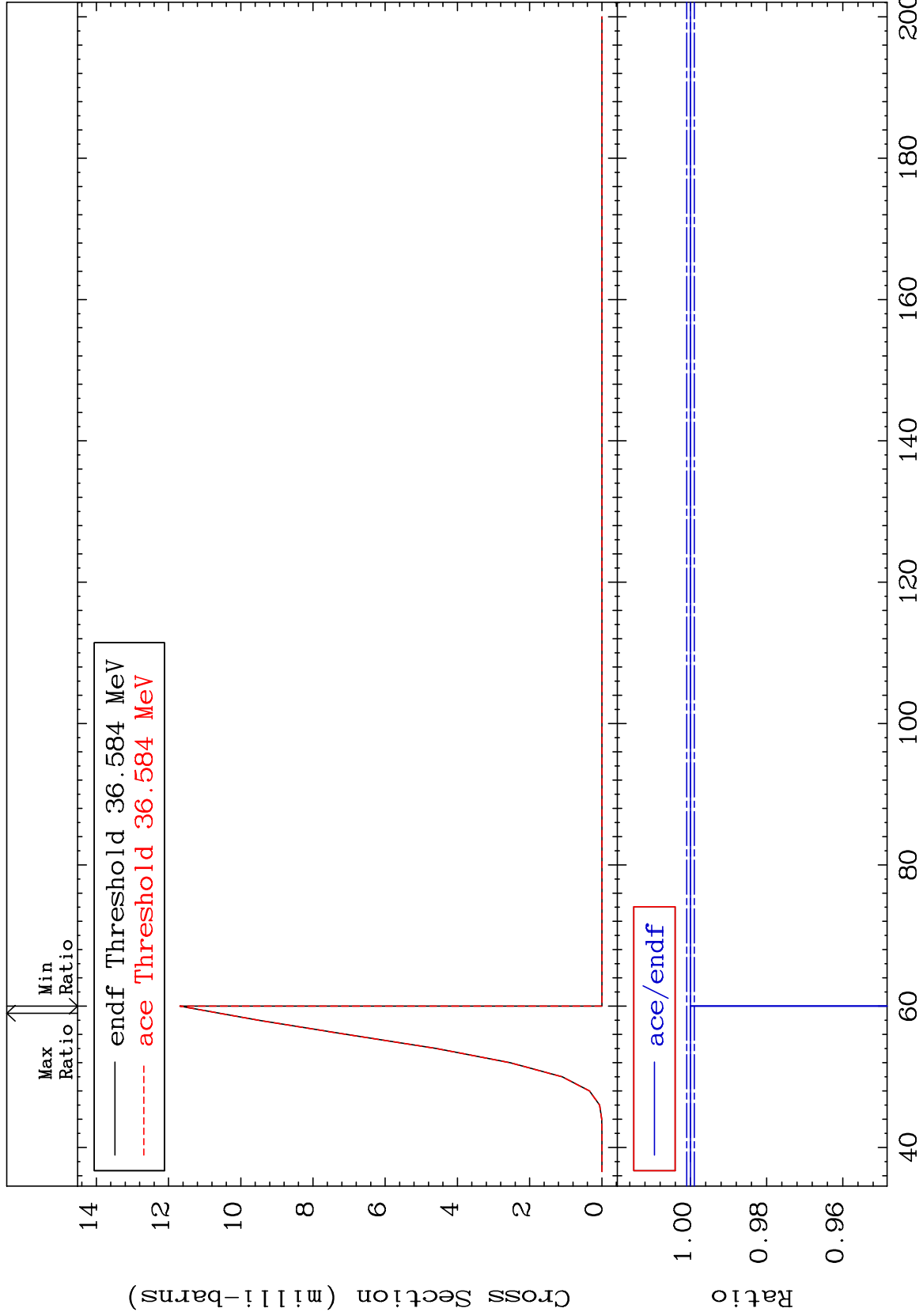
Incident Energy (MeV)

57-La-138

MAT 5725

(n, 4nd)  
Cross Section

57-La-138  
-100.0 To 0.000 %



61

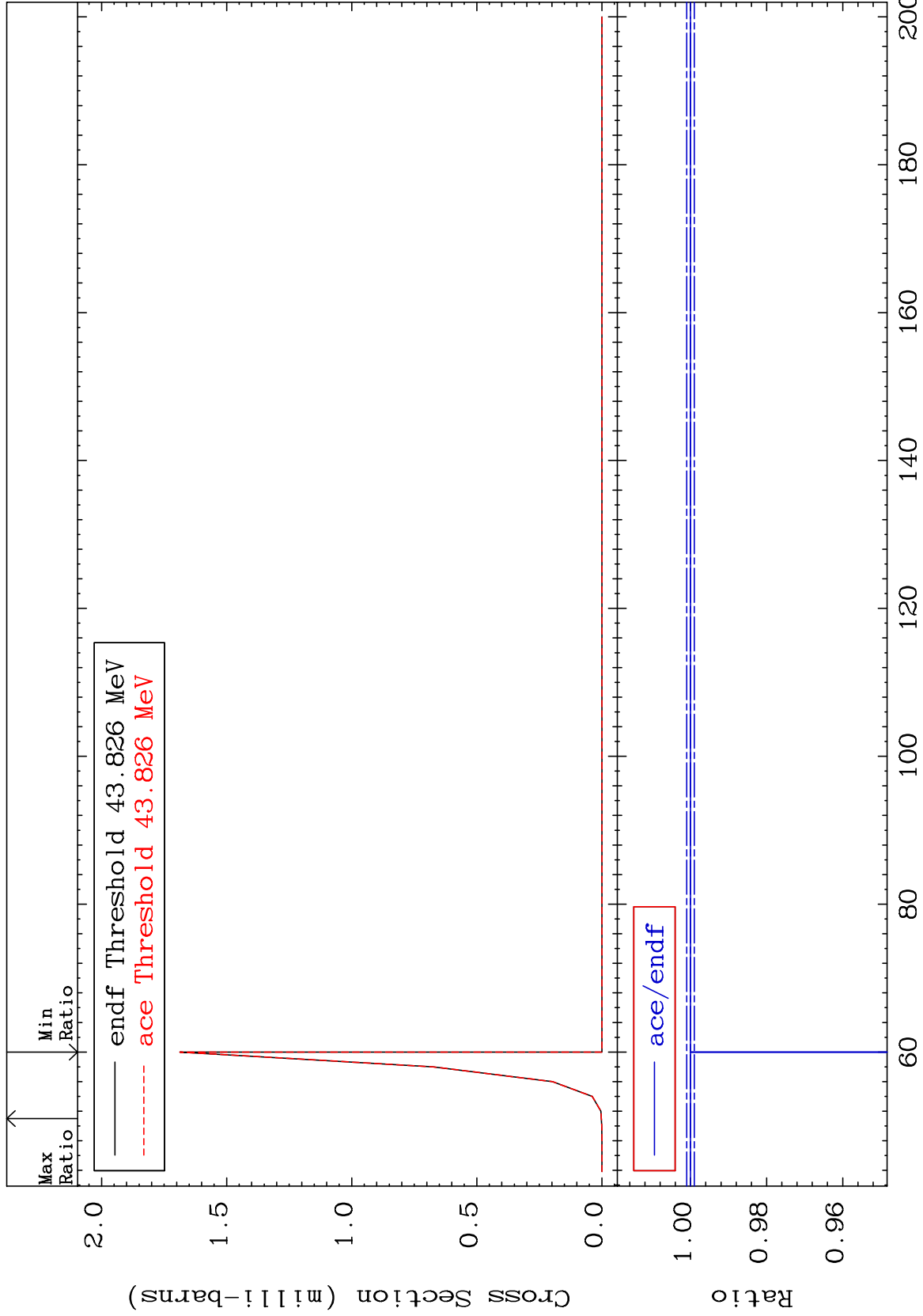
Incident Energy (MeV)

57-La-138

MAT 5725

(n, 5nd)  
Cross Section

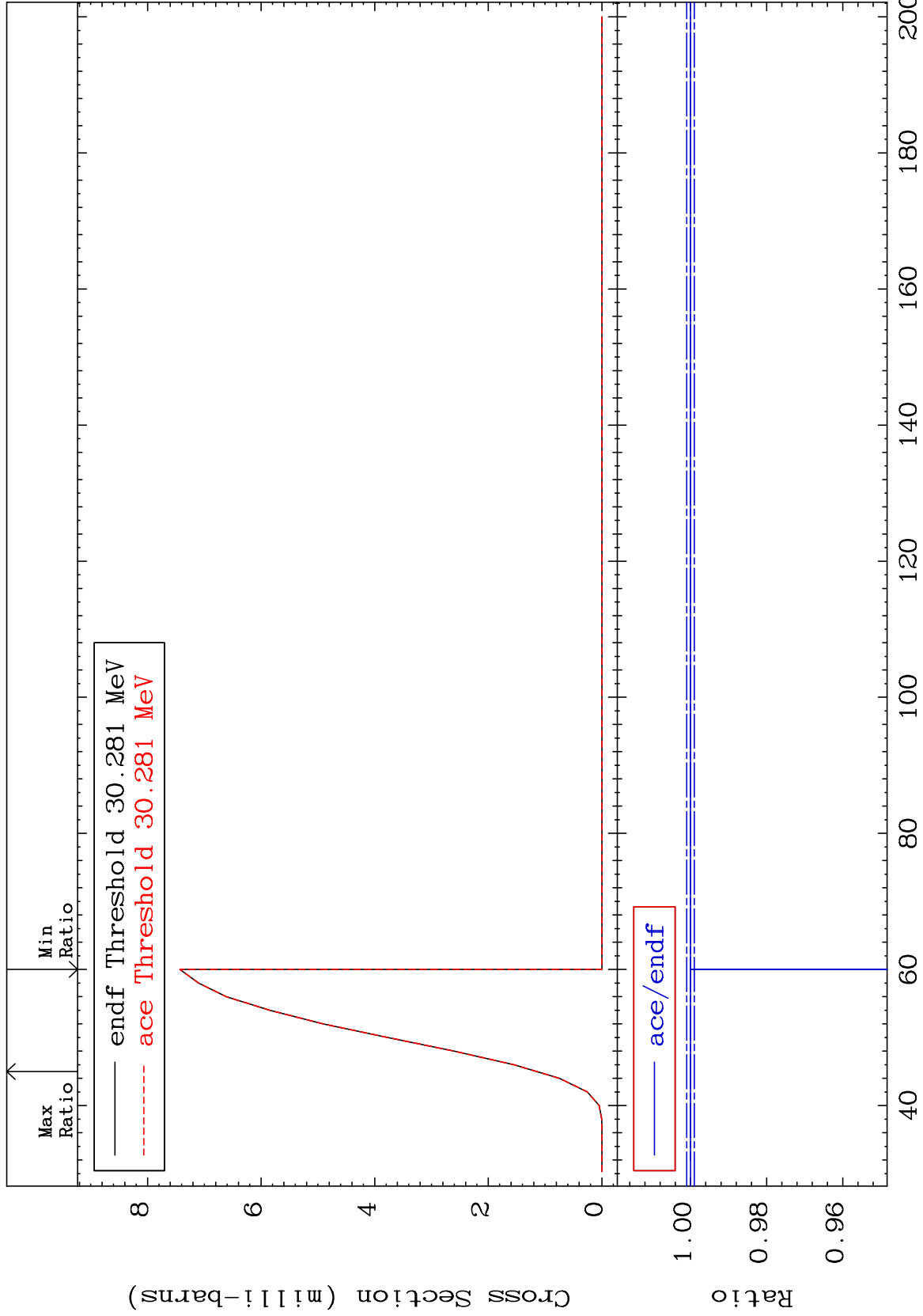
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n,3nt)  
Cross Section

57-La-138  
-100.0 To 0.000 %

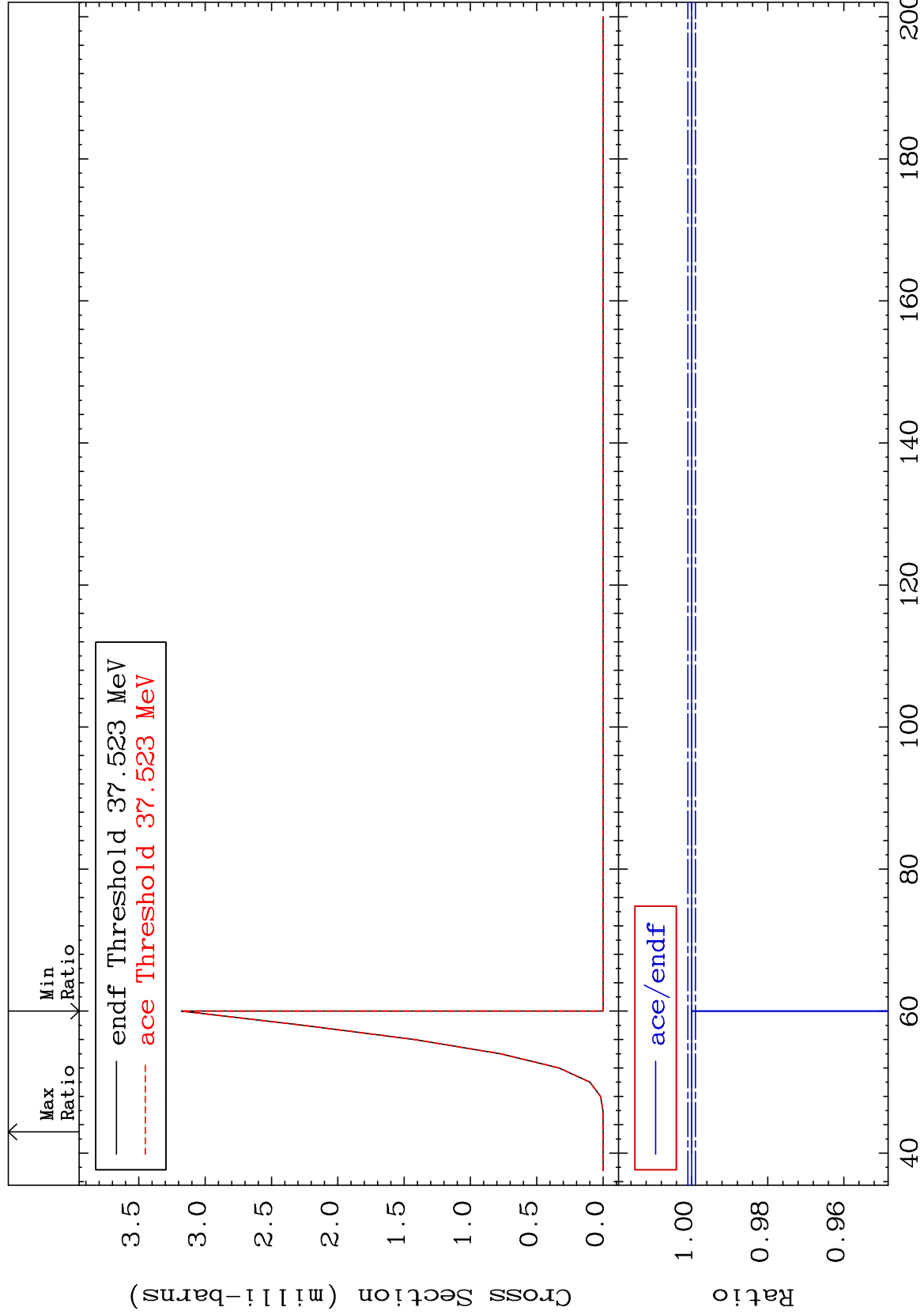




MAT 5725

(n, 4nt)  
Cross Section

57-La-138  
-100.0 To 0.000 %



64

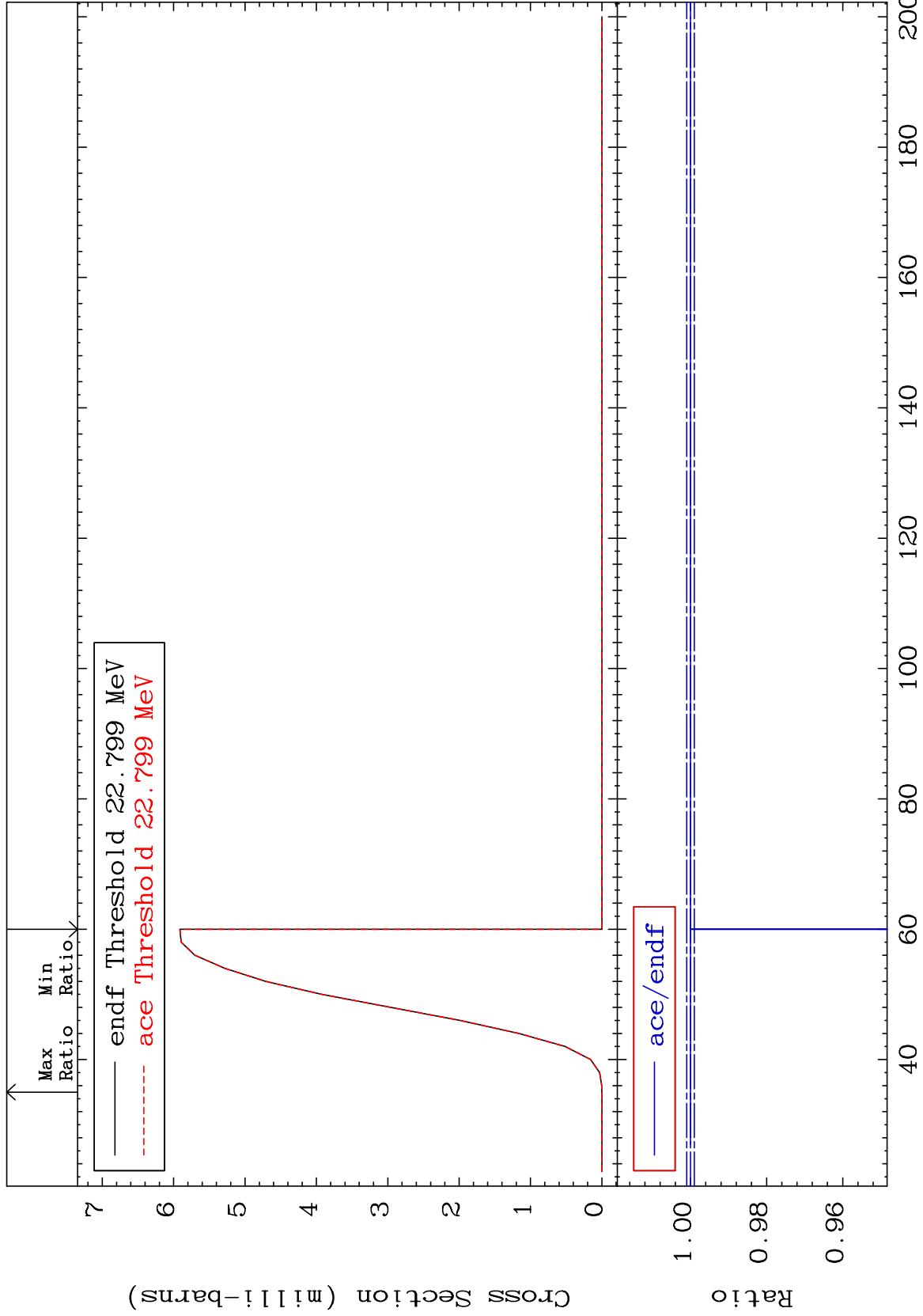
Incident Energy (MeV)

57-La-138

MAT 5725

(n,2nh)  
Cross Section

57-La-138  
-100.0 To 0.000 %



65

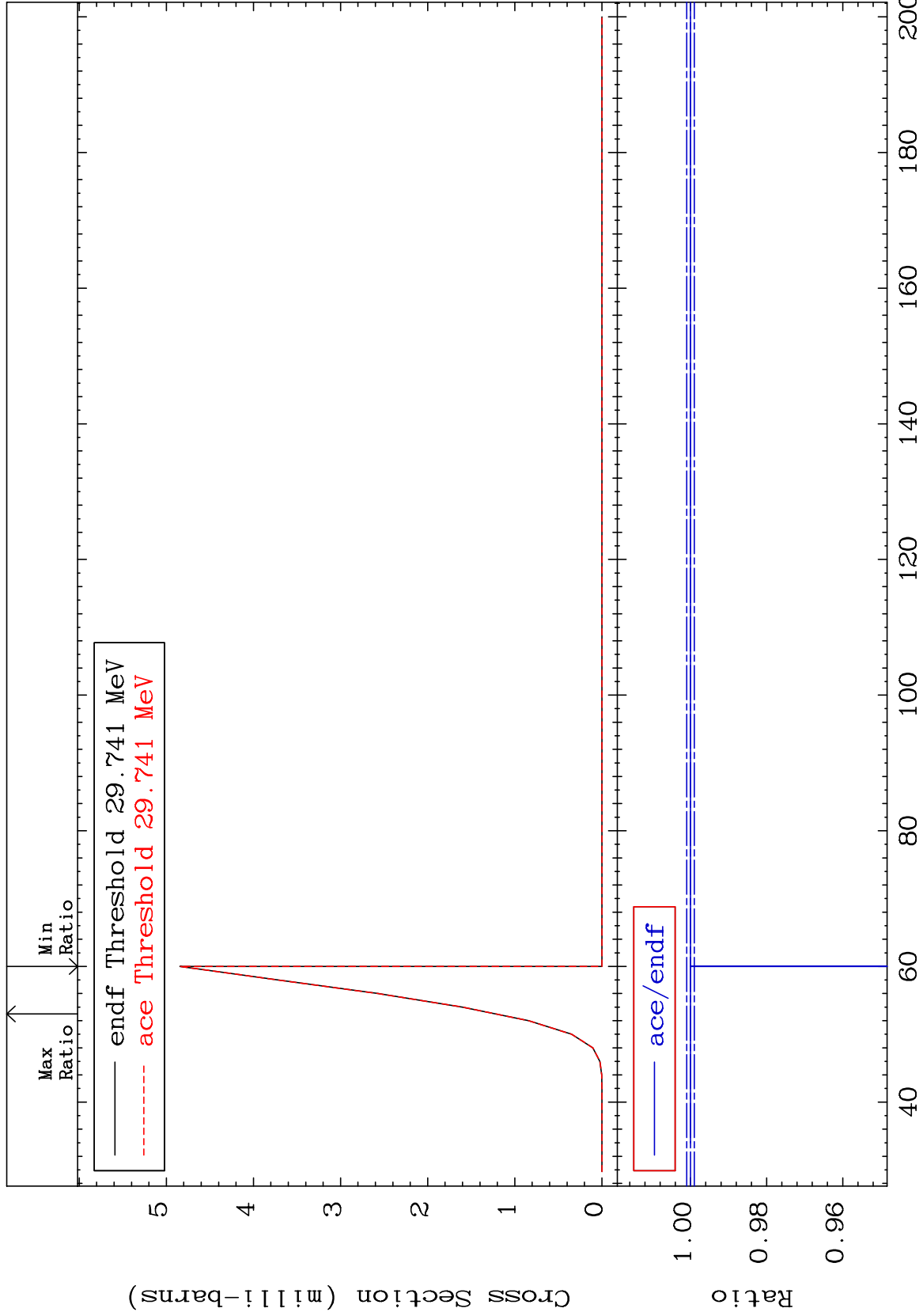
Incident Energy (MeV)

57-La-138

MAT 5725

(n,3nh)  
Cross Section

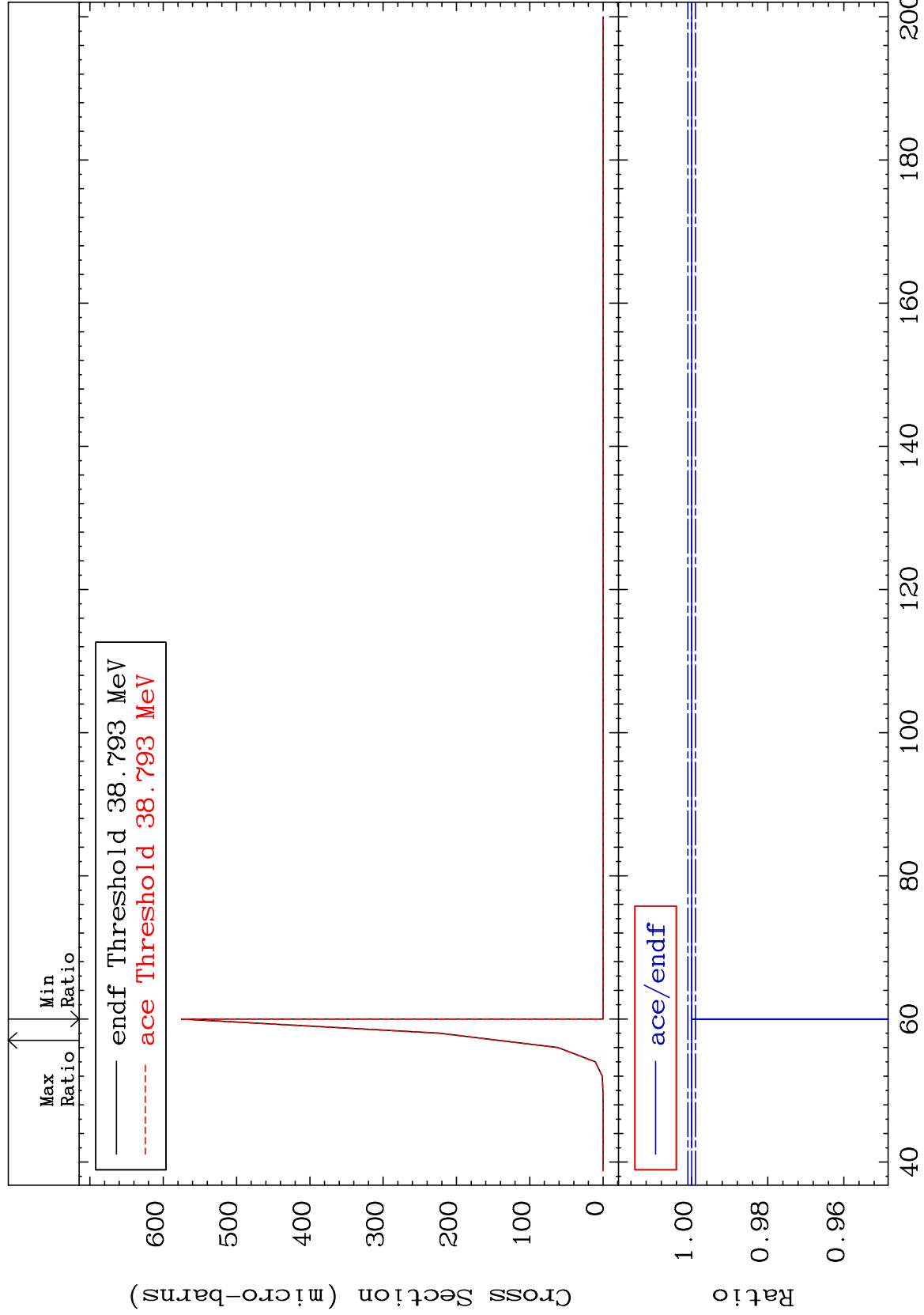
57-La-138  
-100.0 To 0.000 %



MAT 5725

(n, 4nh)  
Cross Section

57-La-138  
-100.0 To 0.000 %



67

Incident Energy (MeV)

57-La-138

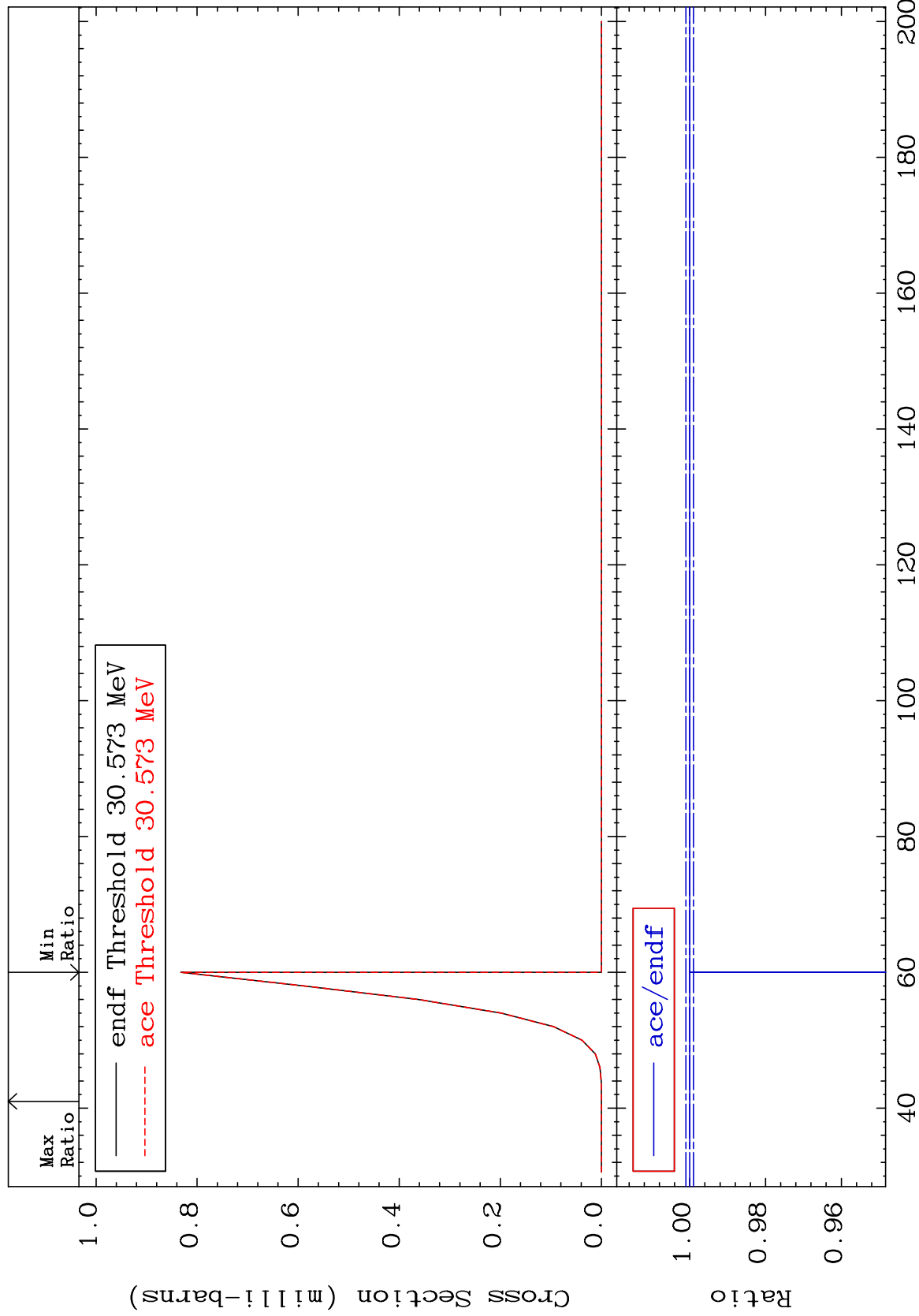
MAT 5725

(n, 3n2p)

57-La-138

Cross Section

-100.0 To 0.000 %



68

Incident Energy (MeV)

57-La-138

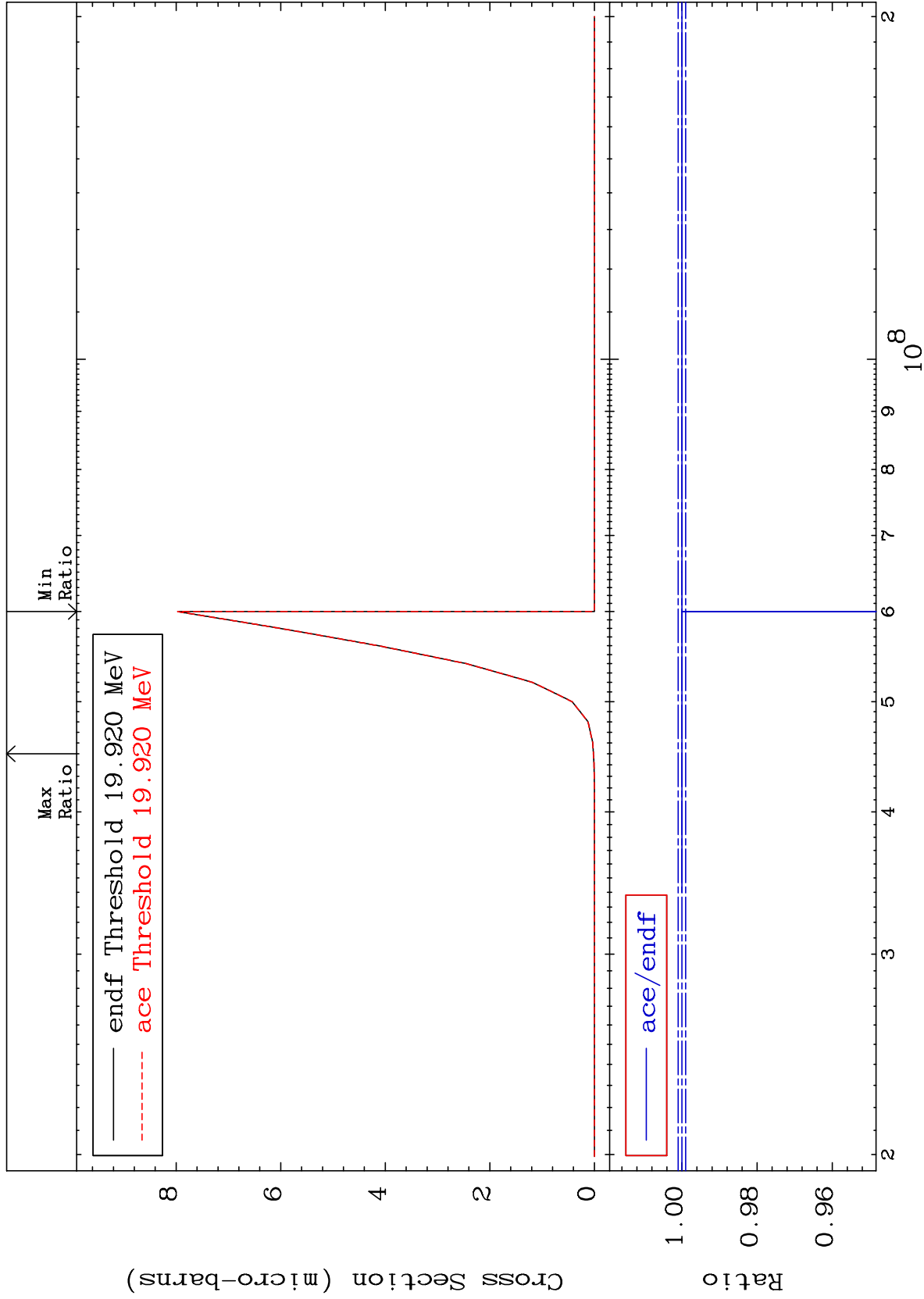
MAT 5725

(n, 3n2α)

57-La-138

Cross Section

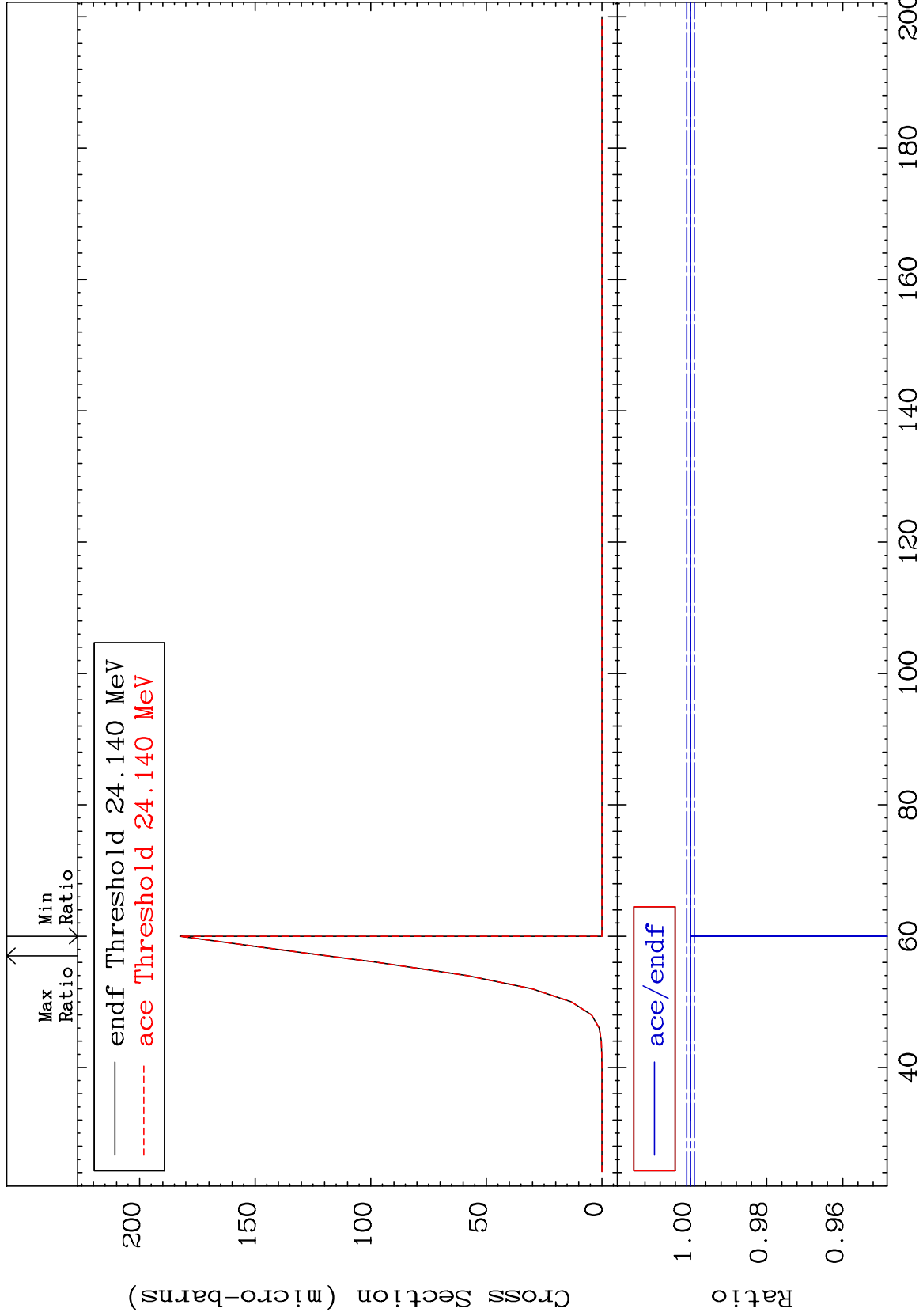
-100.0 To 0.000 %



MAT 5725

(n, 3np $\alpha$ )  
Cross Section

57-La-138  
-100.0 To 0.000 %



70

Incident Energy (MeV)

57-La-138

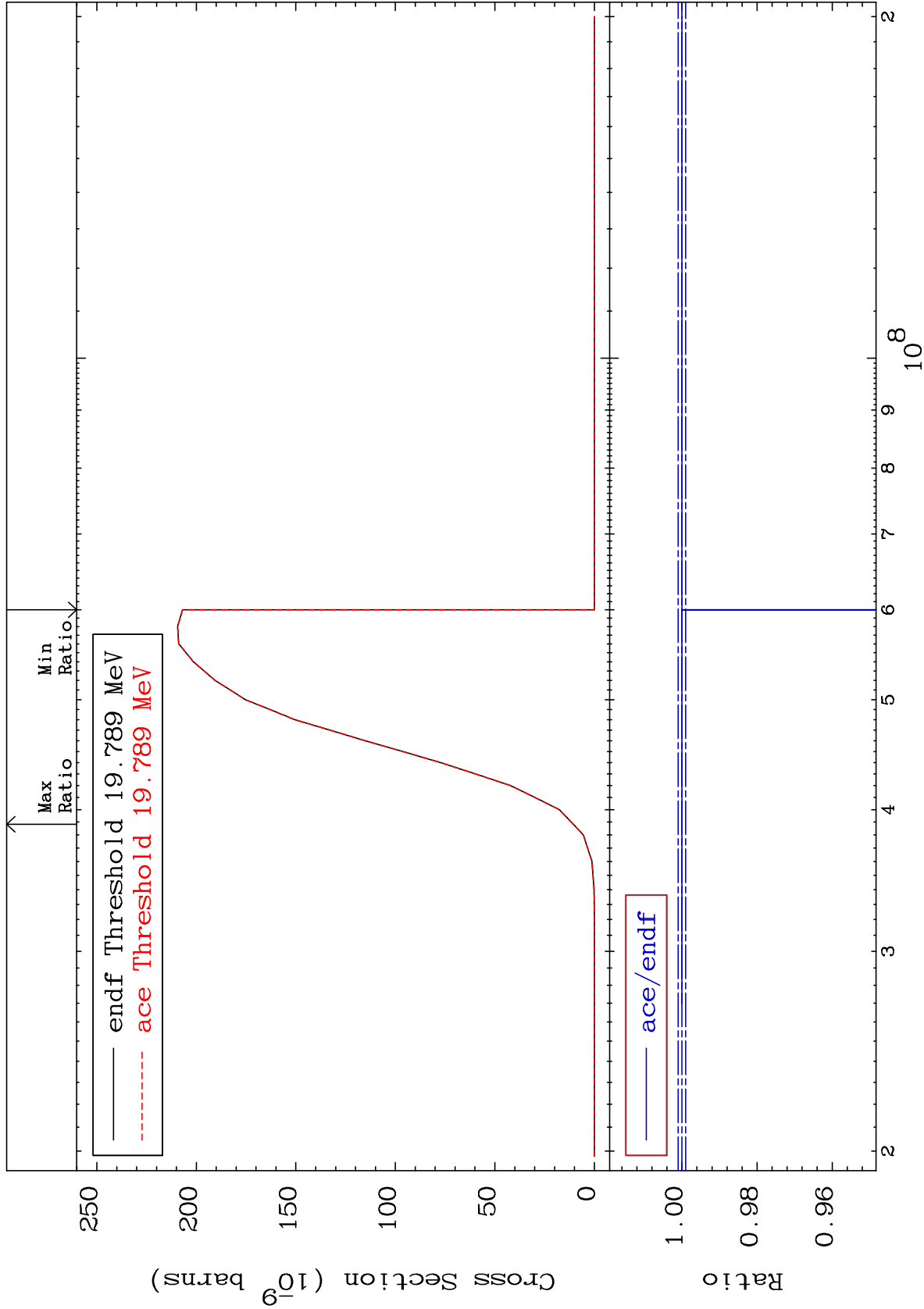
MAT 5725

(n, dt)

57-La-138

Cross Section

-100.0 To 0.000 %



71

57-La-138



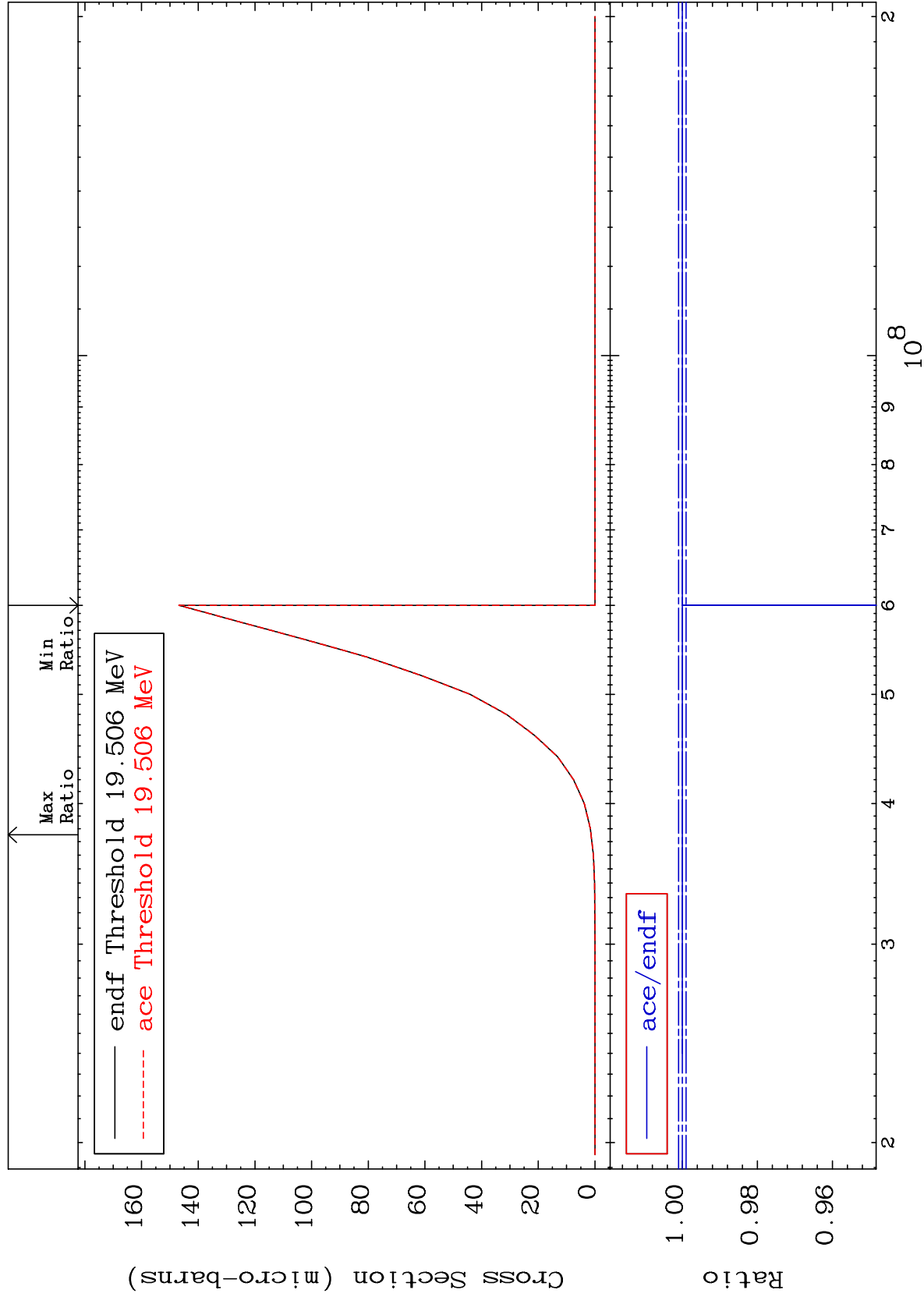
MAT 5725

(n, n'pd)

57-La-138

Cross Section

-100.0 To 0.000 %



72

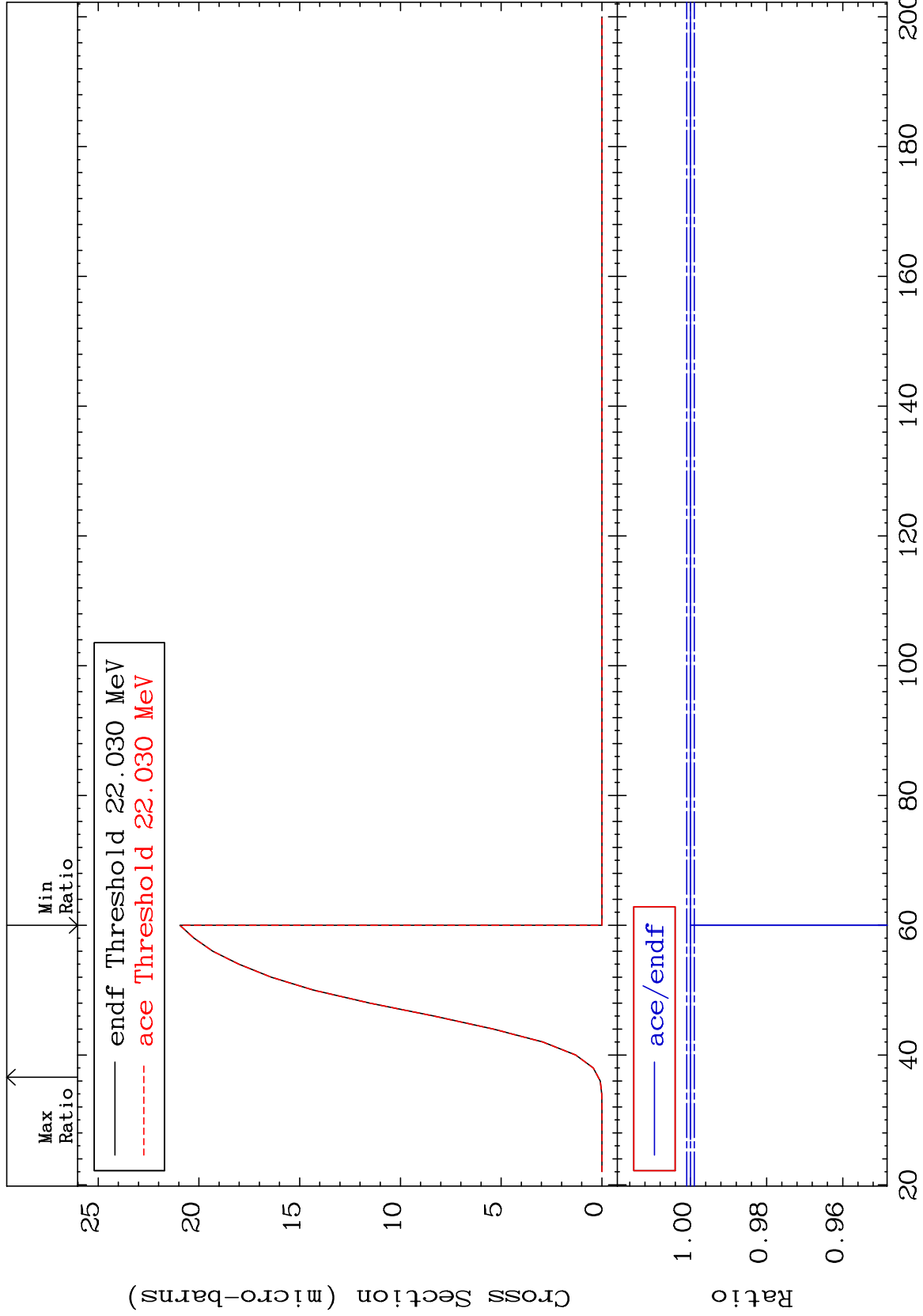
Incident Energy (eV)

57-La-138

MAT 5725

(n, n'pt)  
Cross Section

57-La-138  
-100.0 To 0.000 %



73

57-La-138

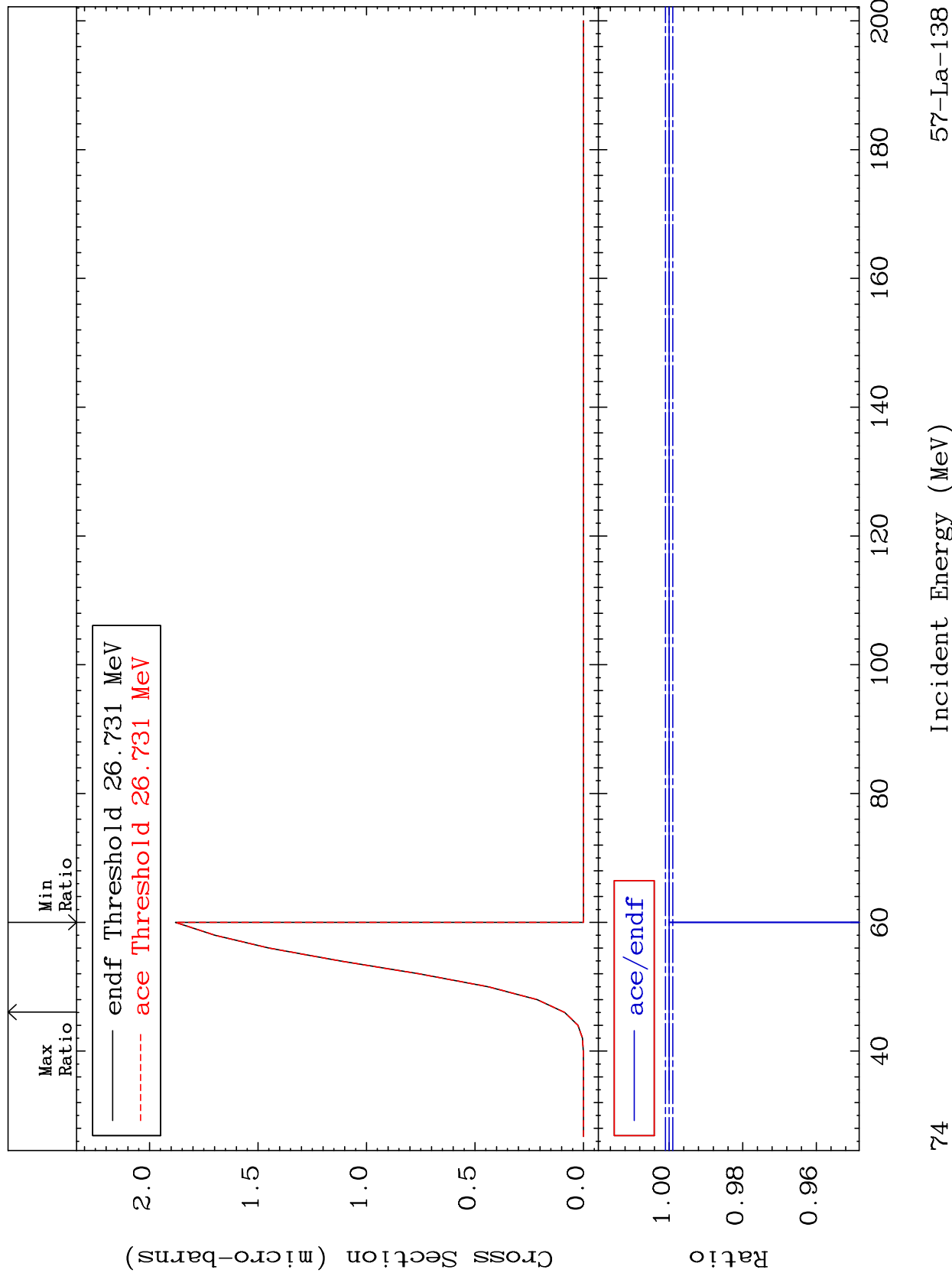
MAT 5725

(n, n' dt)

57-La-138

Cross Section

-100.0 To 0.000 %



74

57-La-138

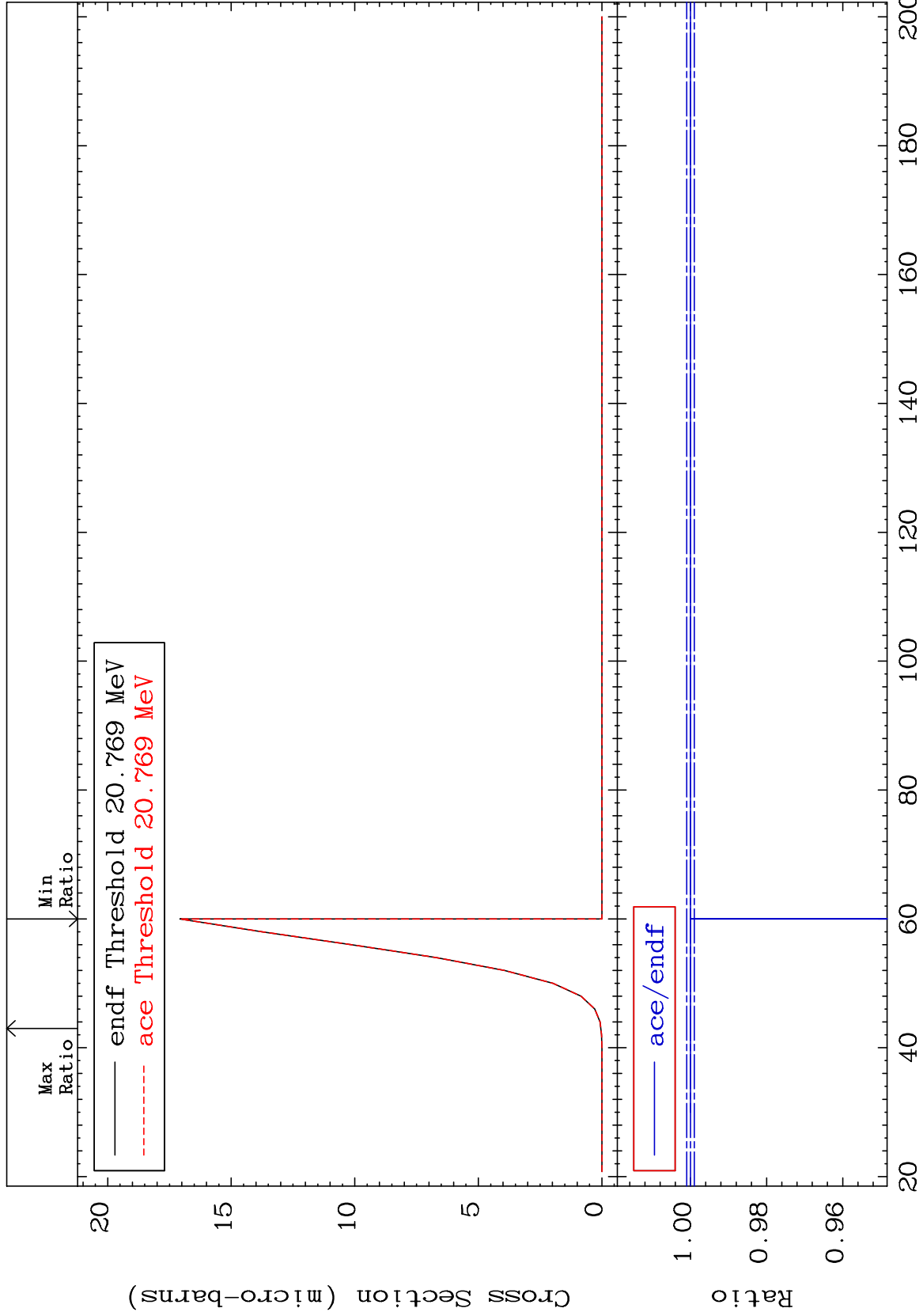
MAT 5725

(n, n'ph)

57-La-138

Cross Section

-100.0 To 0.000 %



75

Incident Energy (MeV)

57-La-138

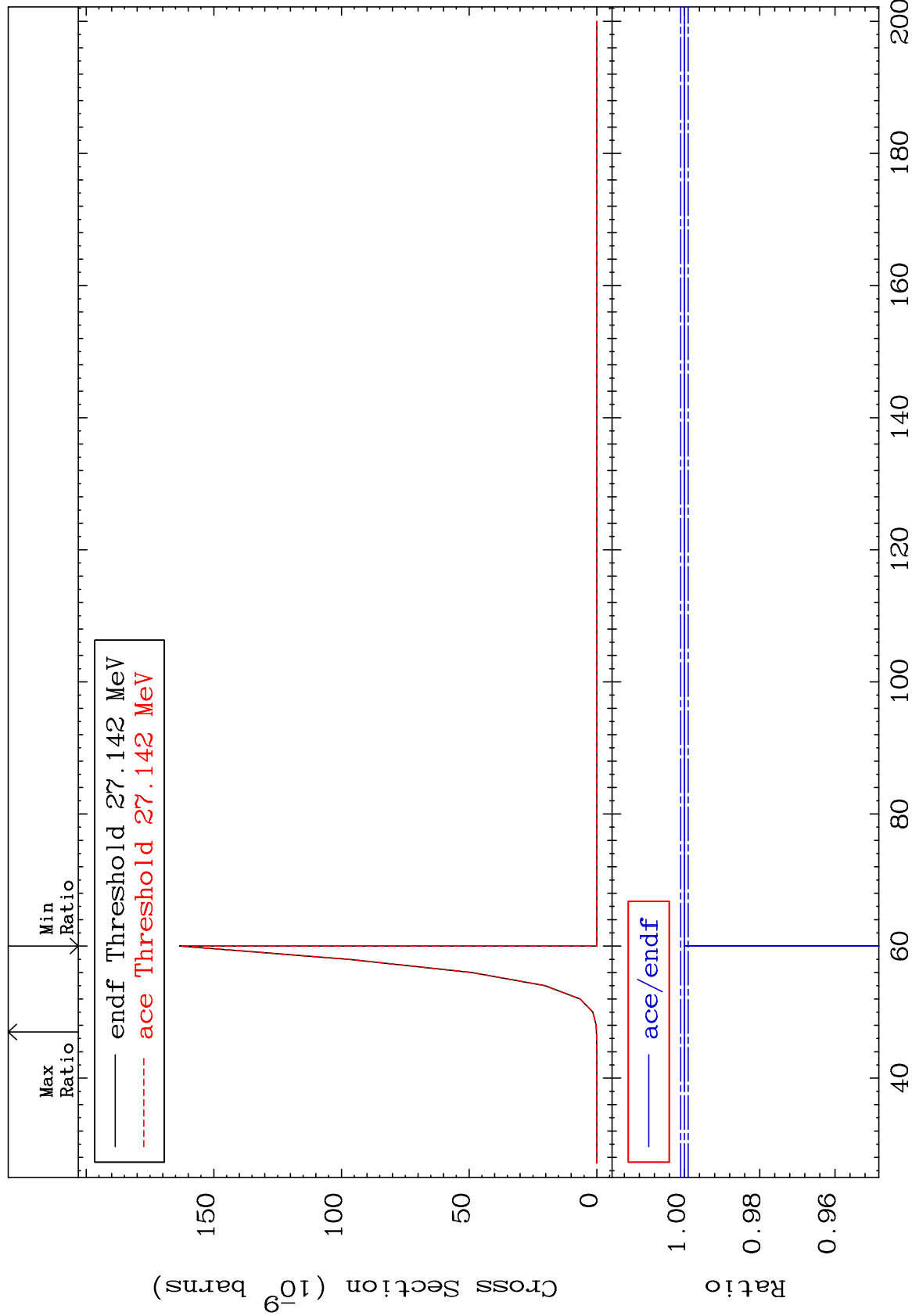
MAT 5725

(n, n'dh)

57-La-138

Cross Section

-100.0 To 0.000 %



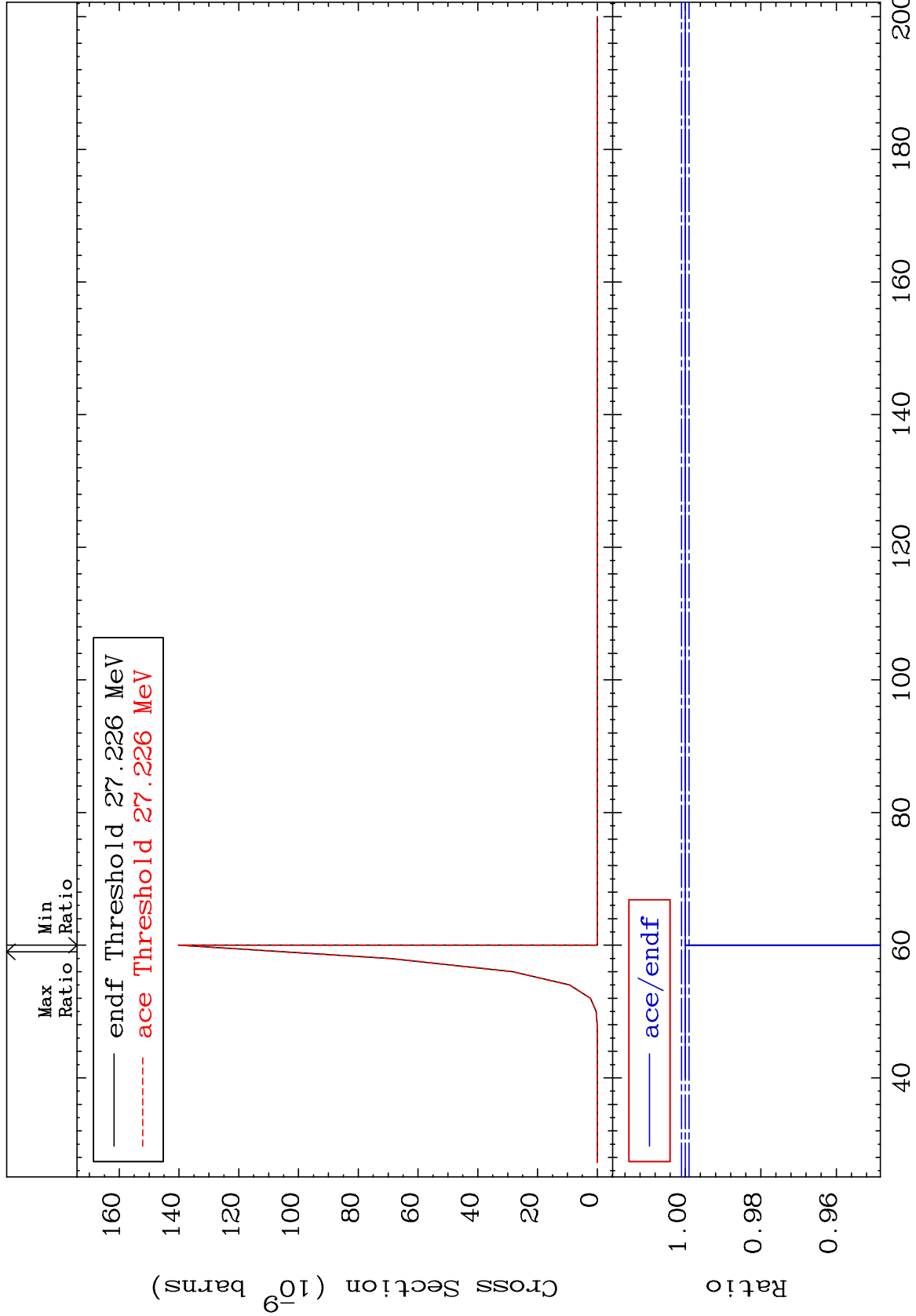
76

57-La-138

MAT 5725

(n, n'th)  
Cross Section

57-La-138  
-100.0 To 0.000 %

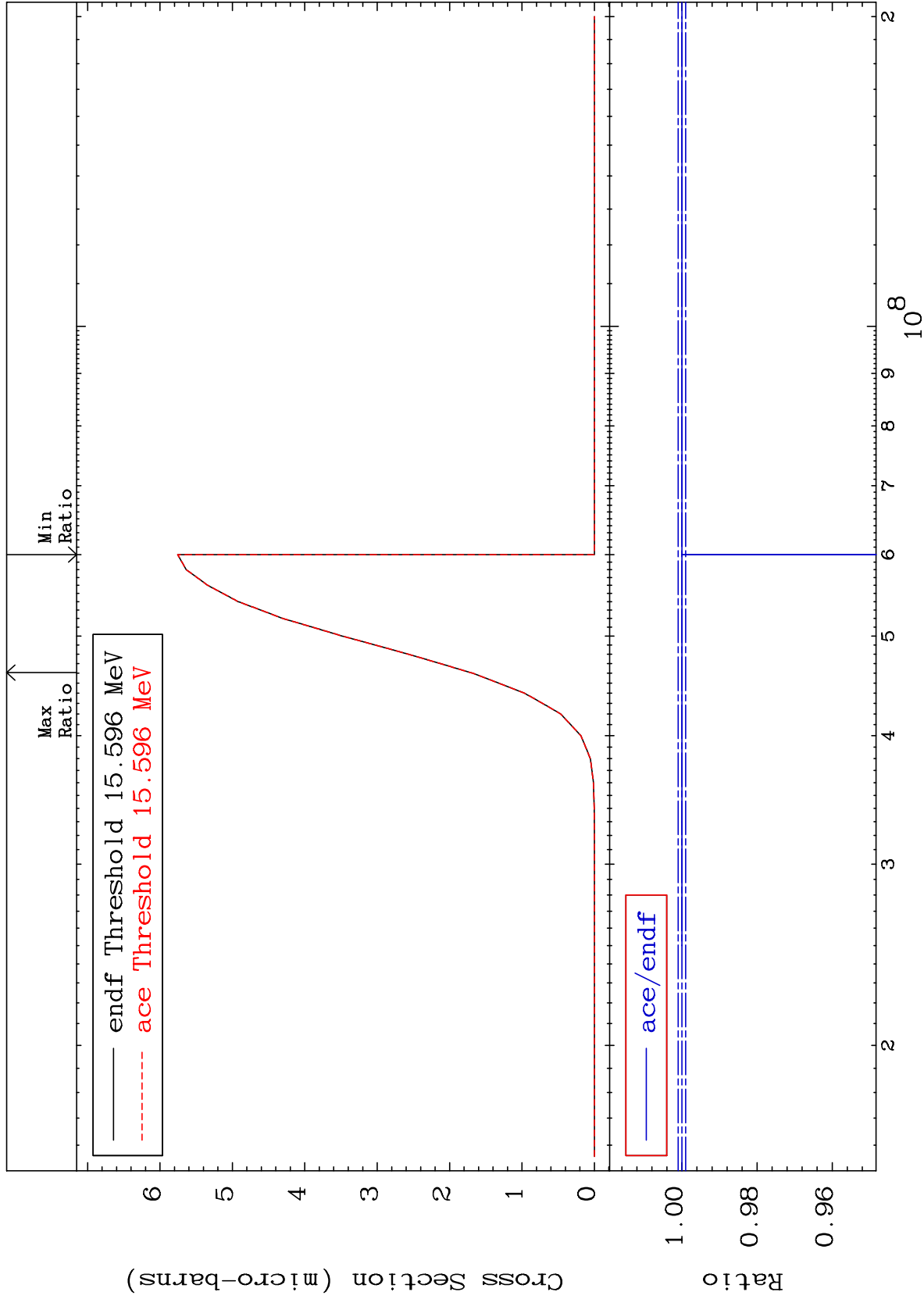


MAT 5725

57-La-138

-100.0 To 0.000 %

(n, n'α)  
Cross Section



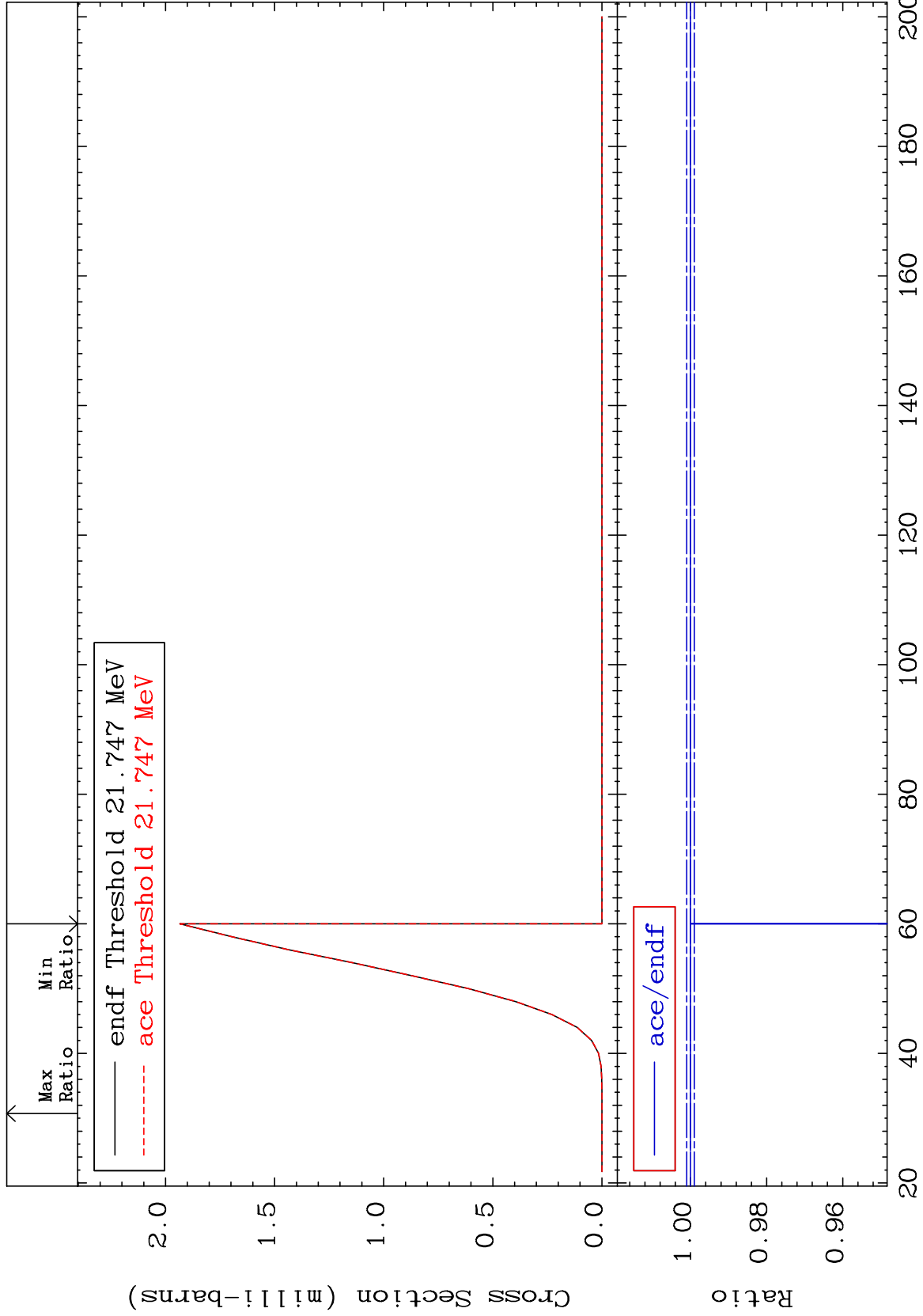
78

57-La-138

MAT 5725

(n, 2n2p)  
Cross Section

57-La-138  
-100.0 To 0.000 %



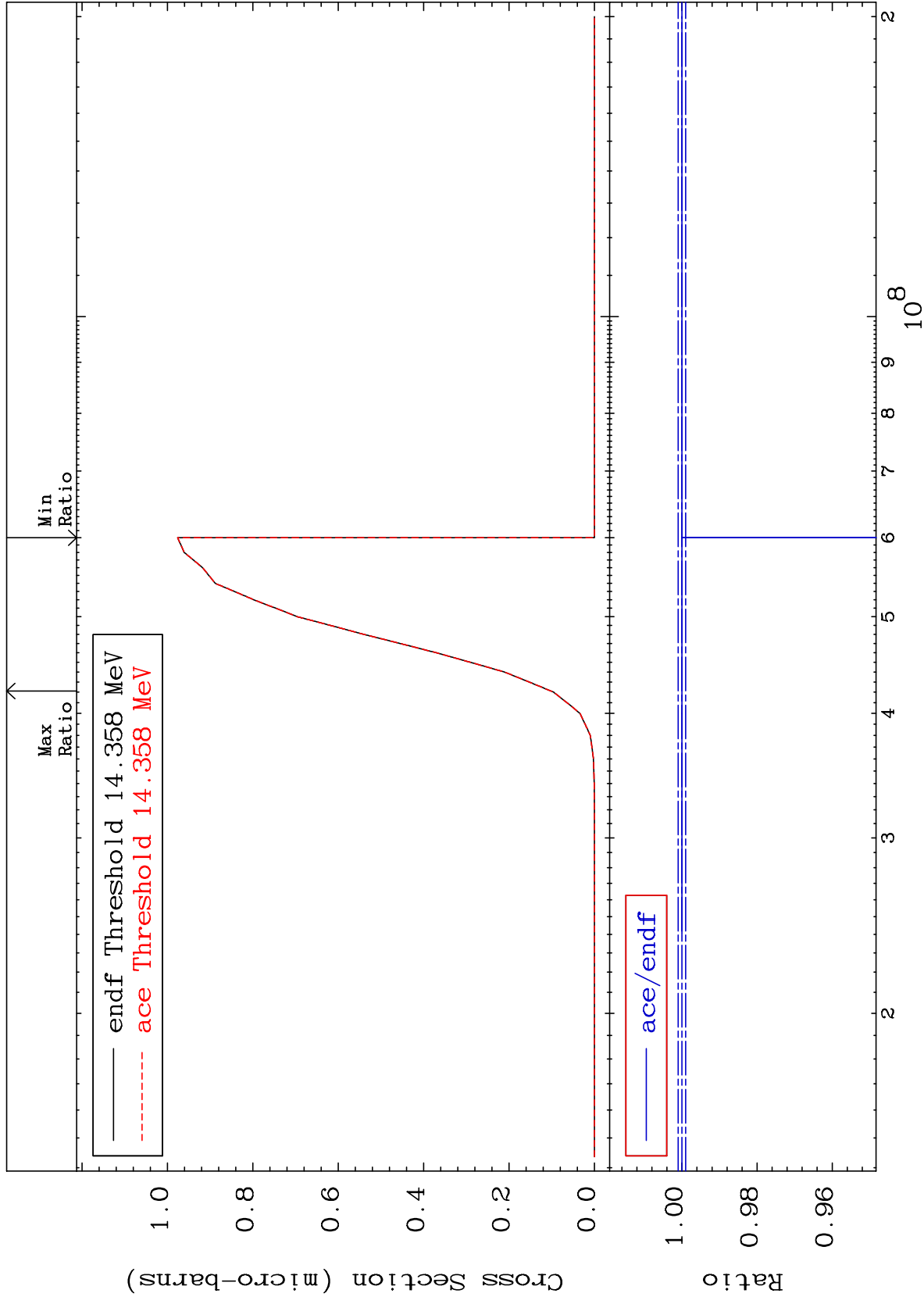
79

57-La-138



MAT 5725

(n,ph)  
Cross Section  
57-La-138  
-100.0 To 0.000 %



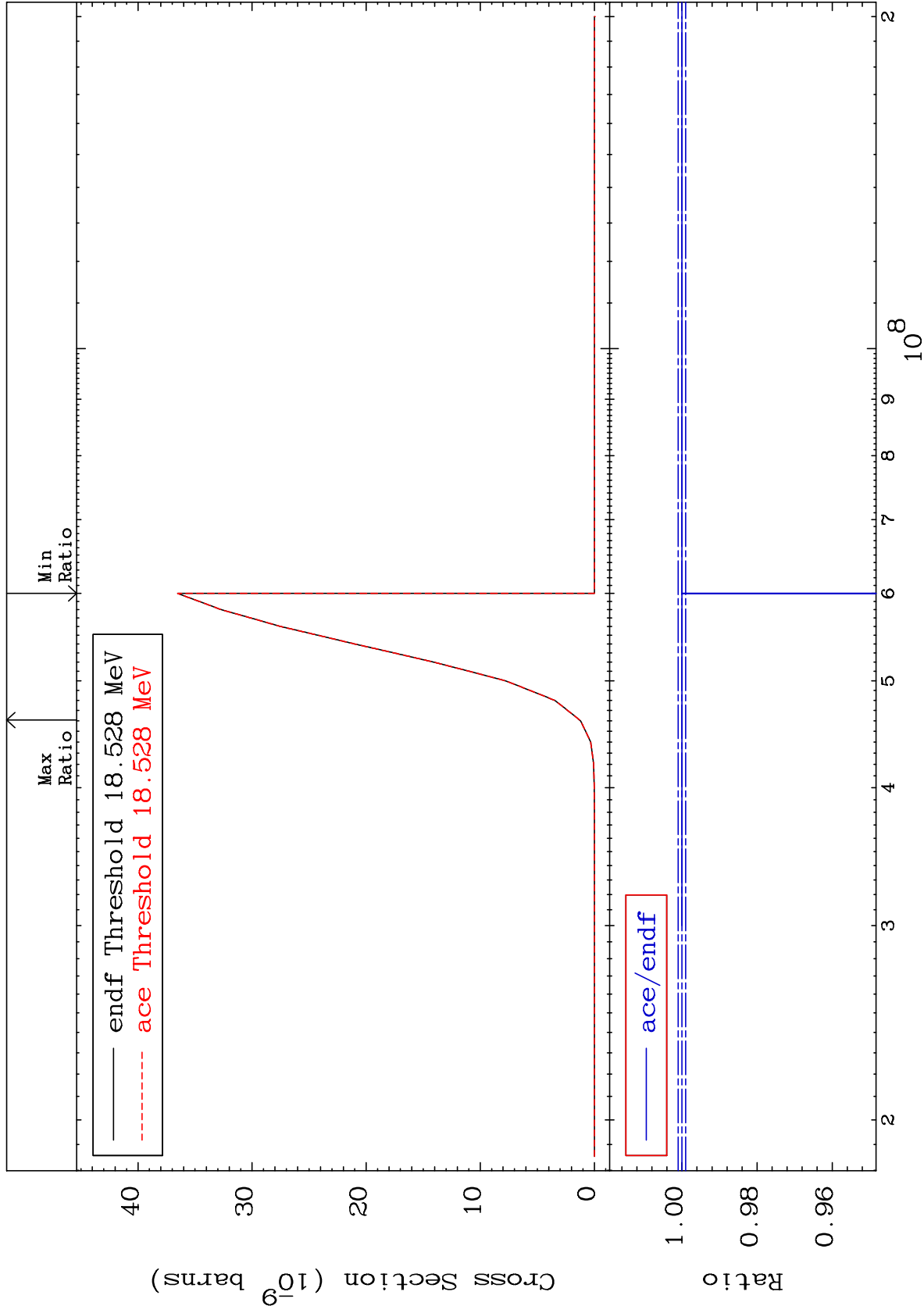
MAT 5725

(n, dh)

57-La-138

Cross Section

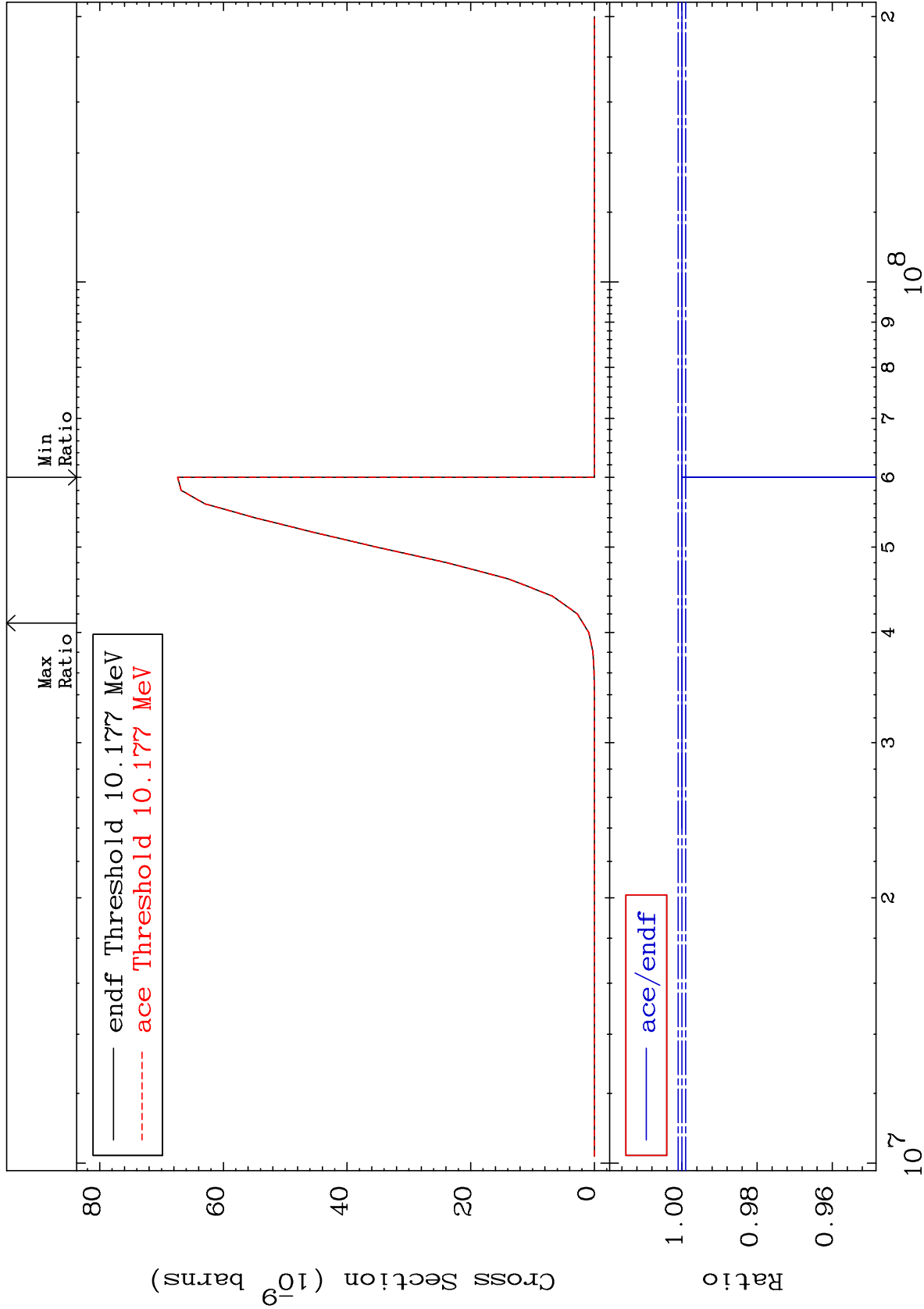
-100.0 To 0.000 %



MAT 5725

57-La-138

(n, h $\alpha$ )  
Cross Section  
-100.0 To 0.000 %



82

57-La-138

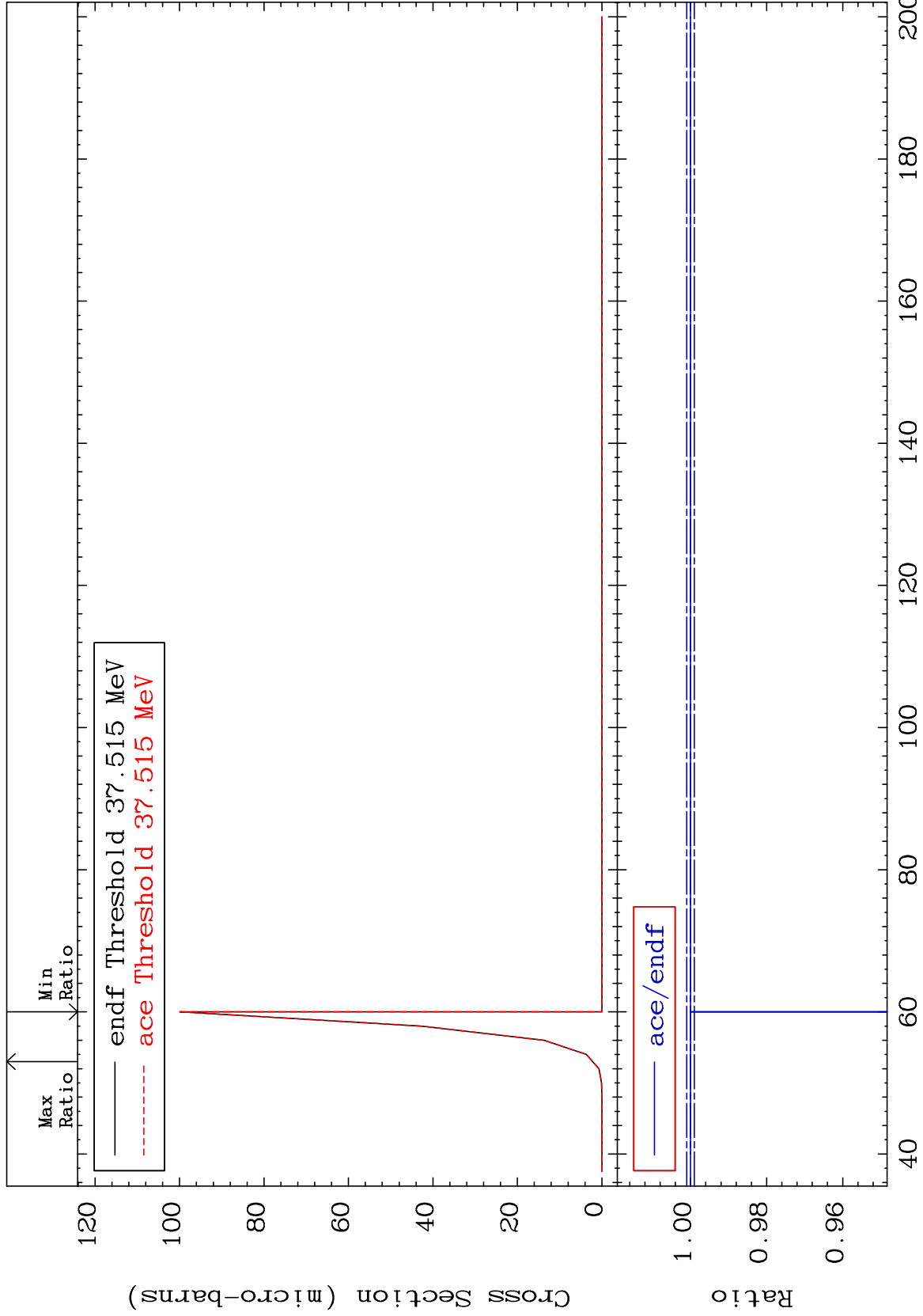
MAT 5725

(n, 4n2p)

57-La-138

Cross Section

-100.0 To 0.000 %



83

Incident Energy (MeV)

57-La-138

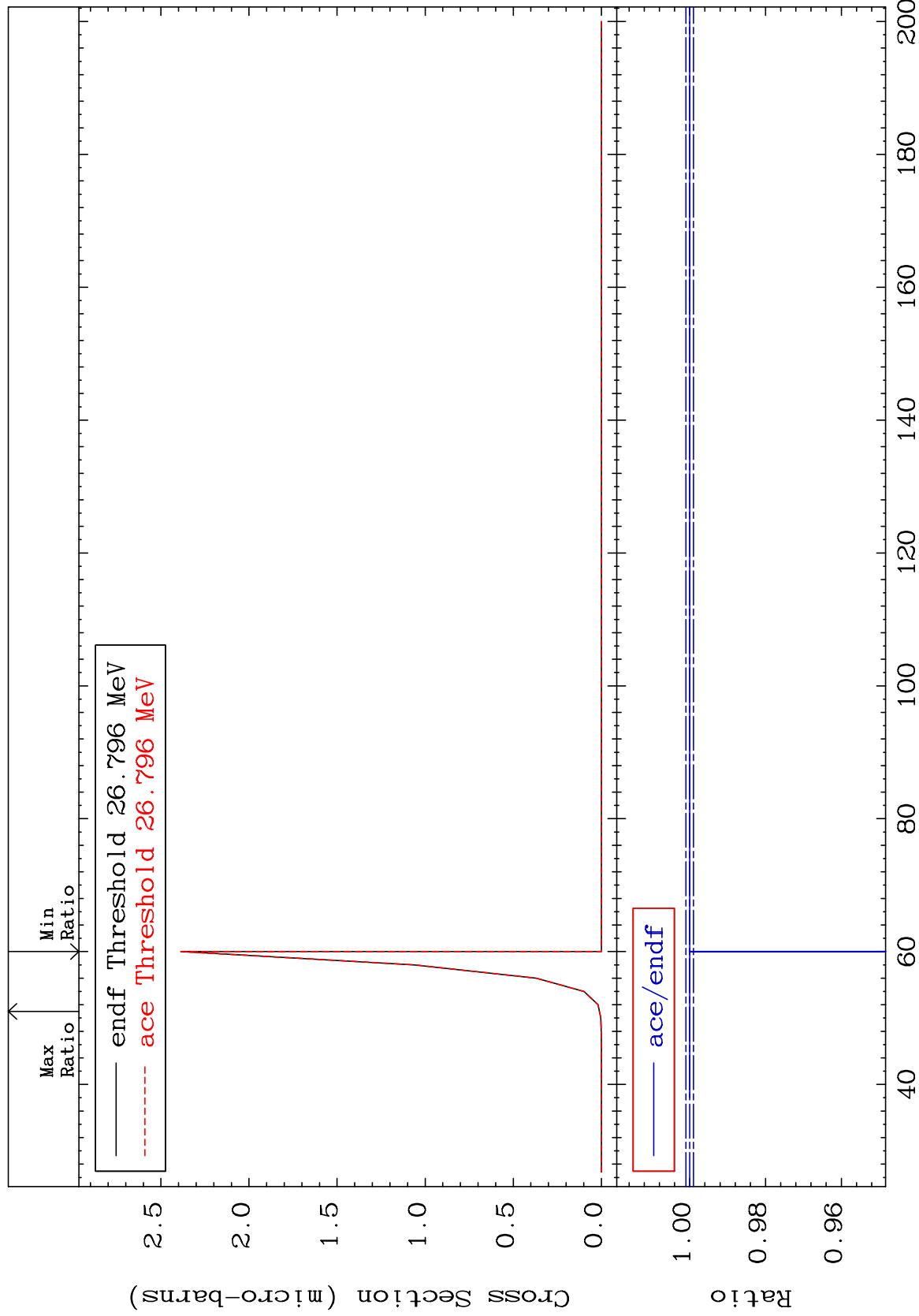
MAT 5725

(n, 4n2α)

57-La-138

Cross Section

-100.0 To 0.000 %



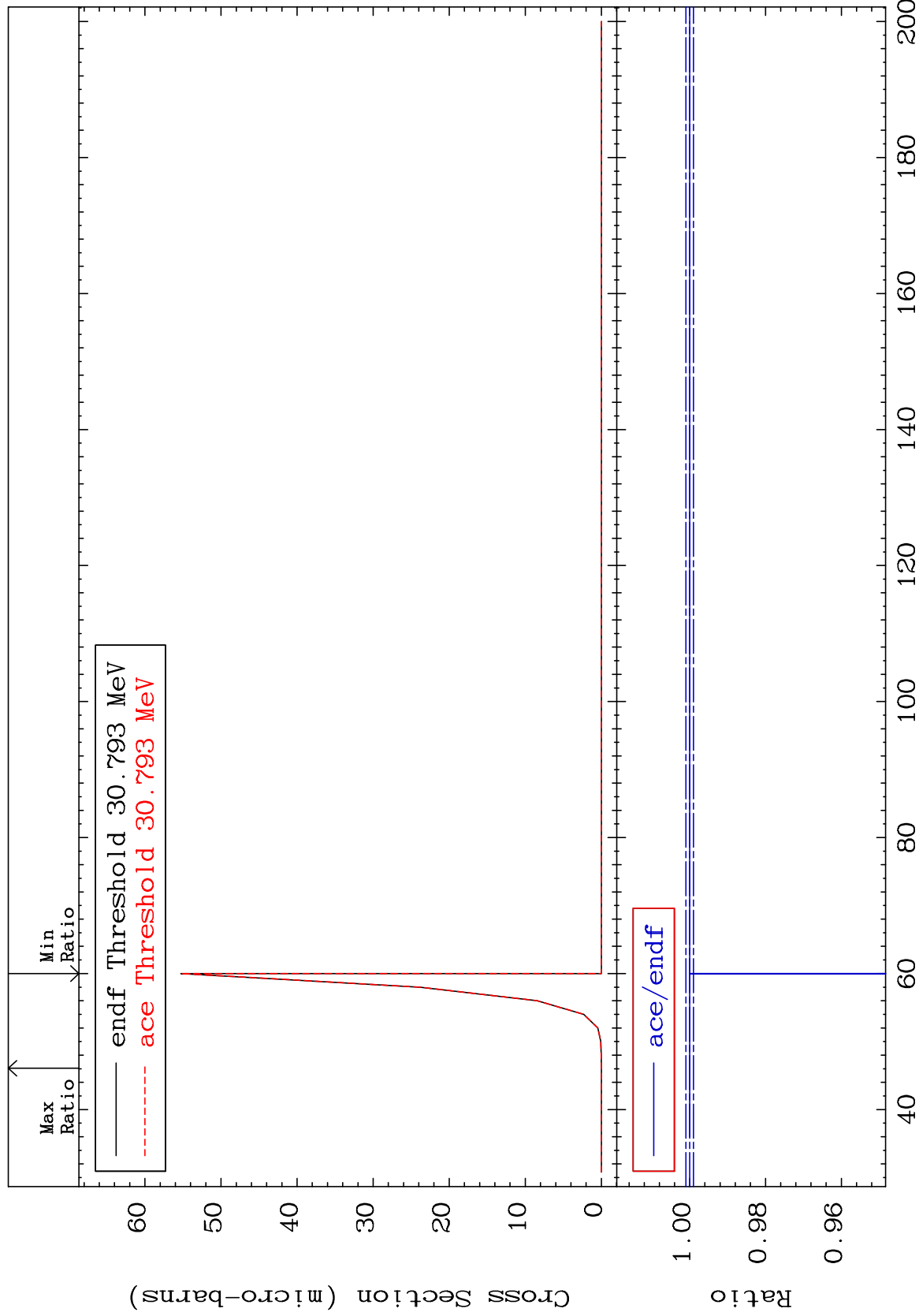
MAT 5725

(n, 4npα)

57-La-138

Cross Section

-100.0 To 0.000 %



85

Incident Energy (MeV)

57-La-138

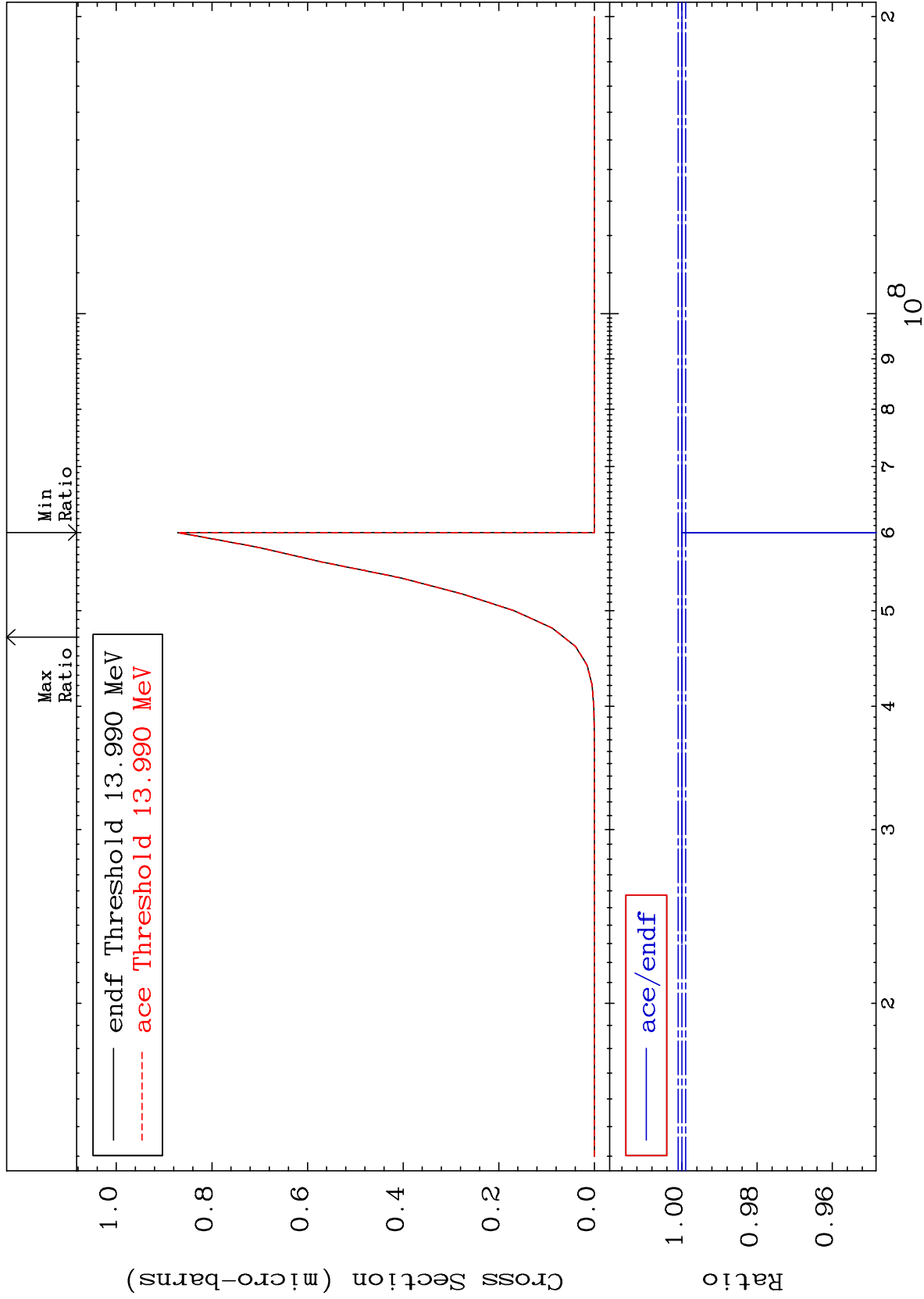
MAT 5725

(n, 3p)

57-La-138

Cross Section

-100.0 To 0.000 %



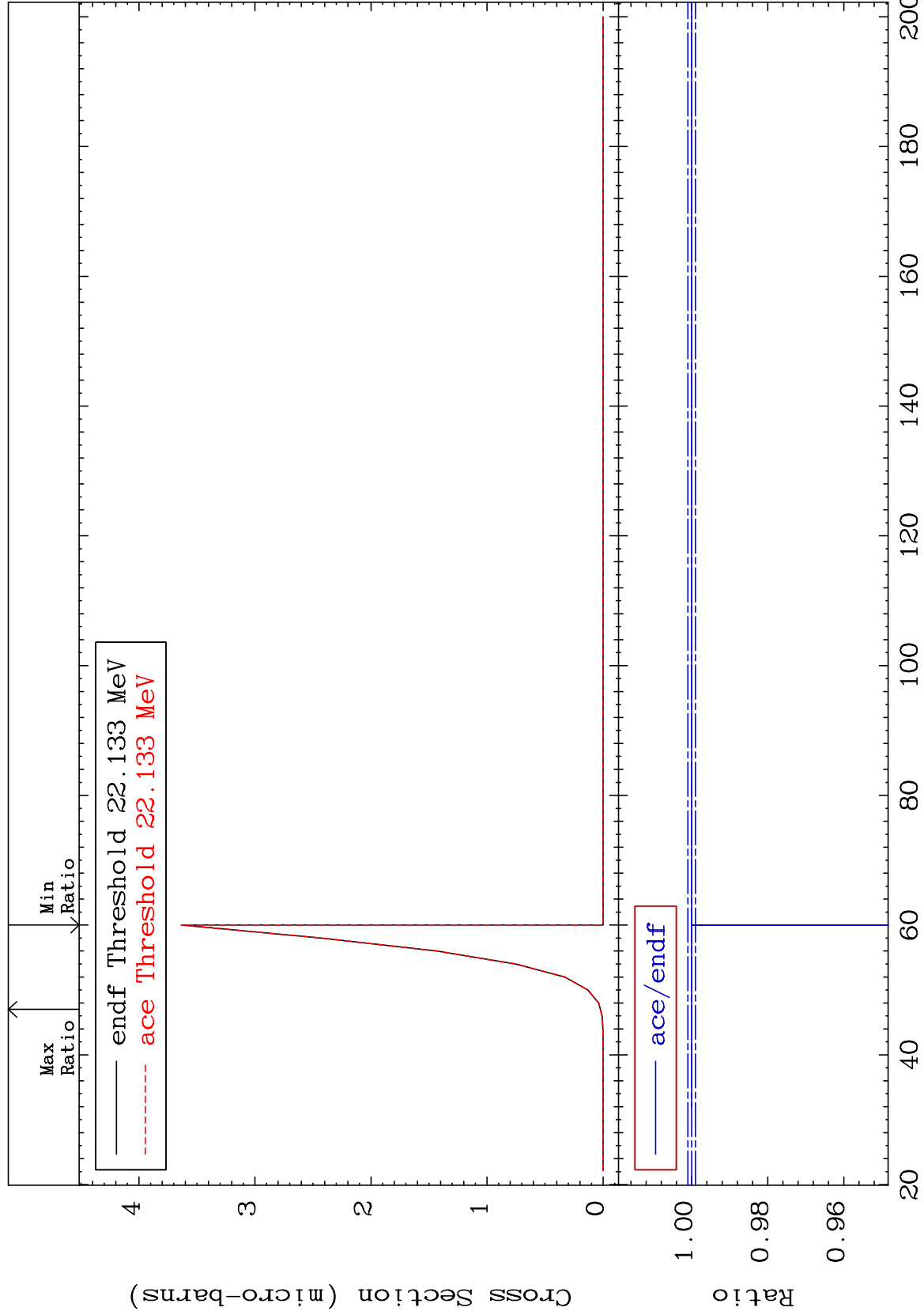
MAT 5725

(n, n'3p)

57-La-138

Cross Section

-100.0 To 0.000 %



87

Incident Energy (MeV)

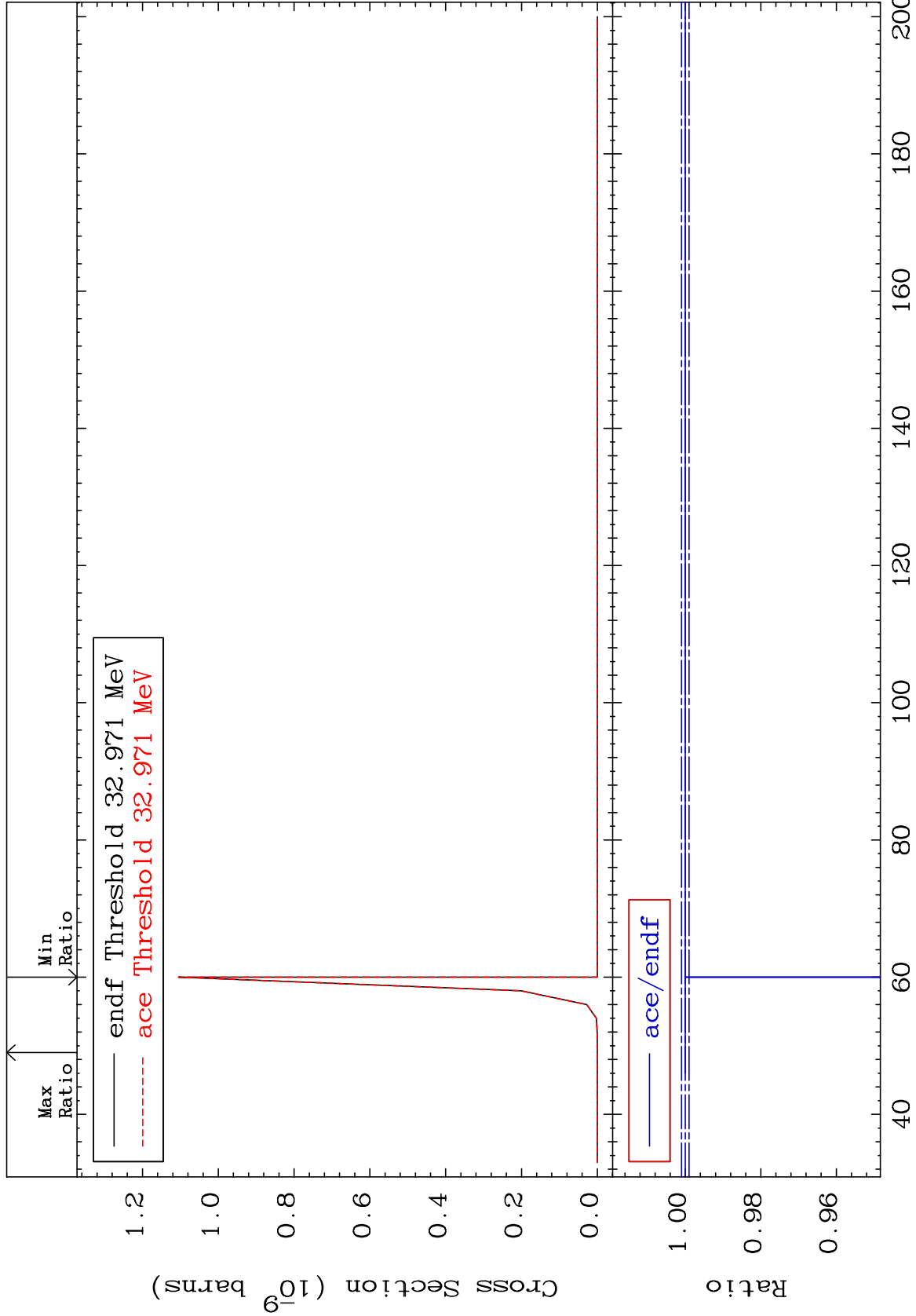
57-La-138



MAT 5725

(n, 3n2pα)  
Cross Section

57-La-138  
-100.0 To 0.000 %



MAT 5725

(n, 5n2p)

57-La-138

Cross Section

-100.0 To 0.000 %

