

Program Complot  
(Version 2015-2)

by

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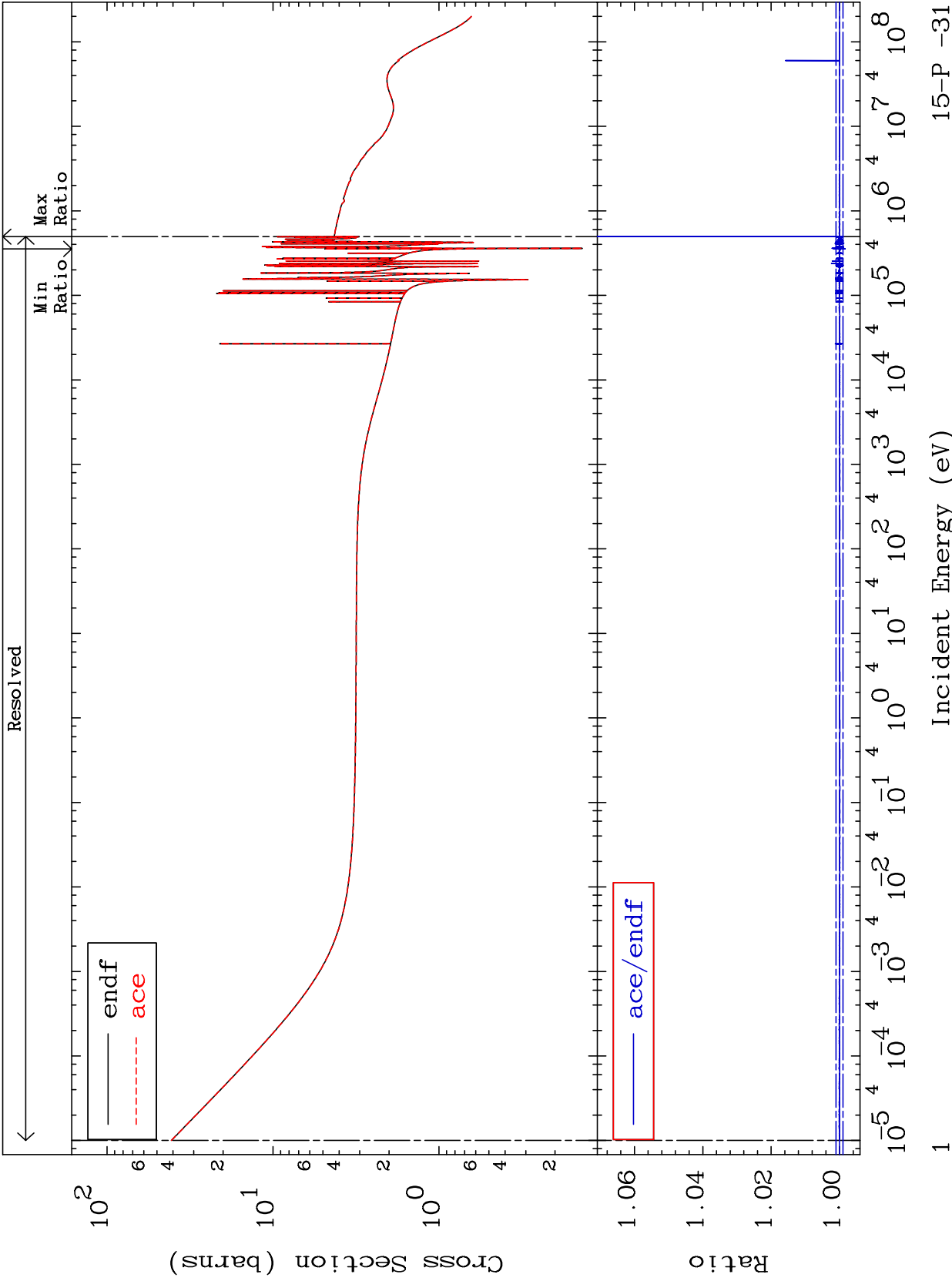
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 1525

Total  
Cross Section

15-P -31  
-0.162 To 14.54 %

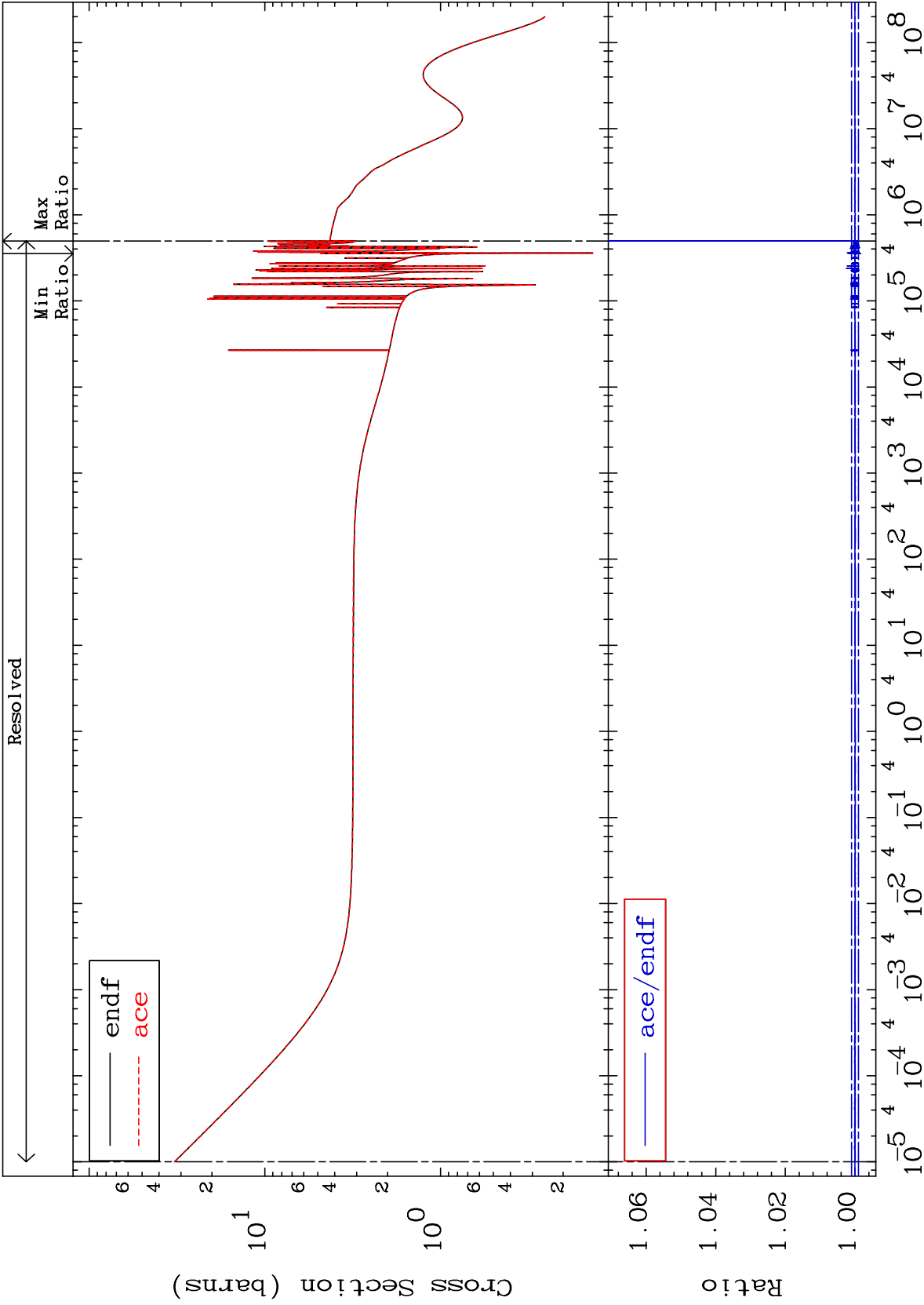


15-P -31

MAT 1525

### Elastic Cross Section

15-P -31  
-0.161 To 14.54 %



15-P -31

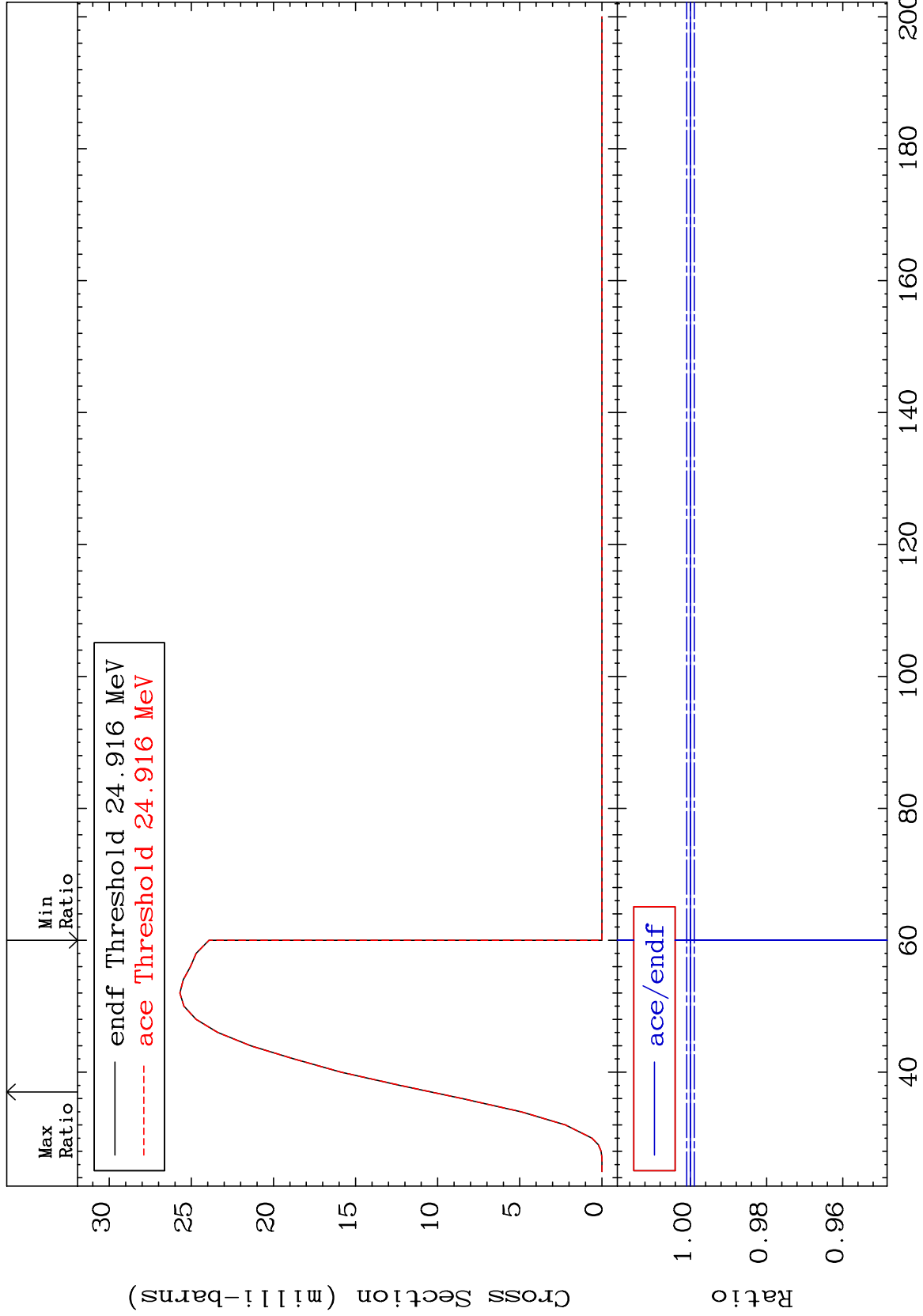
Incident Energy (eV)

2

MAT 1525

(n,2n) d  
Cross Section

15-P -31  
-100.0 To 0.000 %



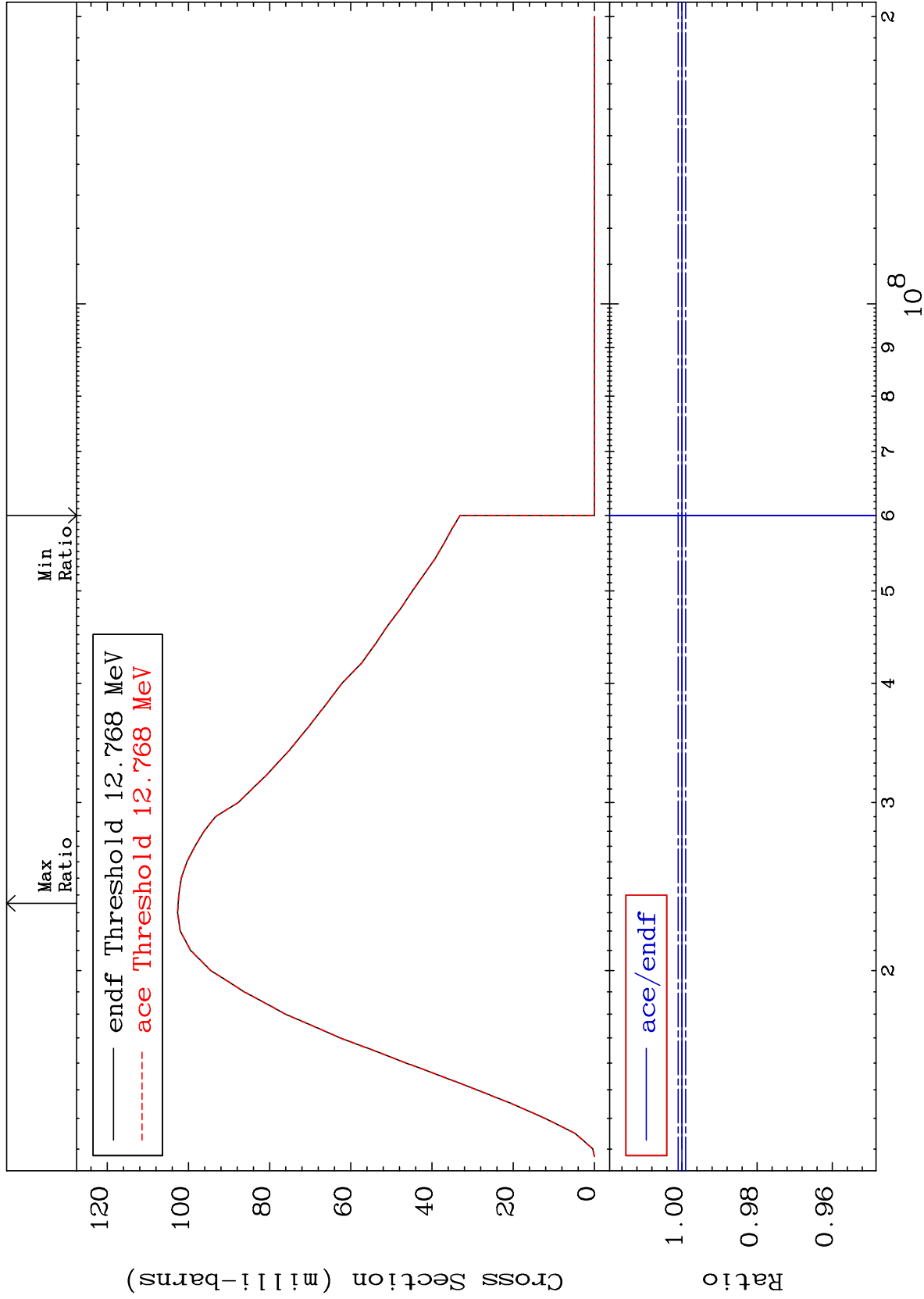
MAT 1525

(n,2n)

15-P -31

Cross Section

-100.0 To 0.000 %



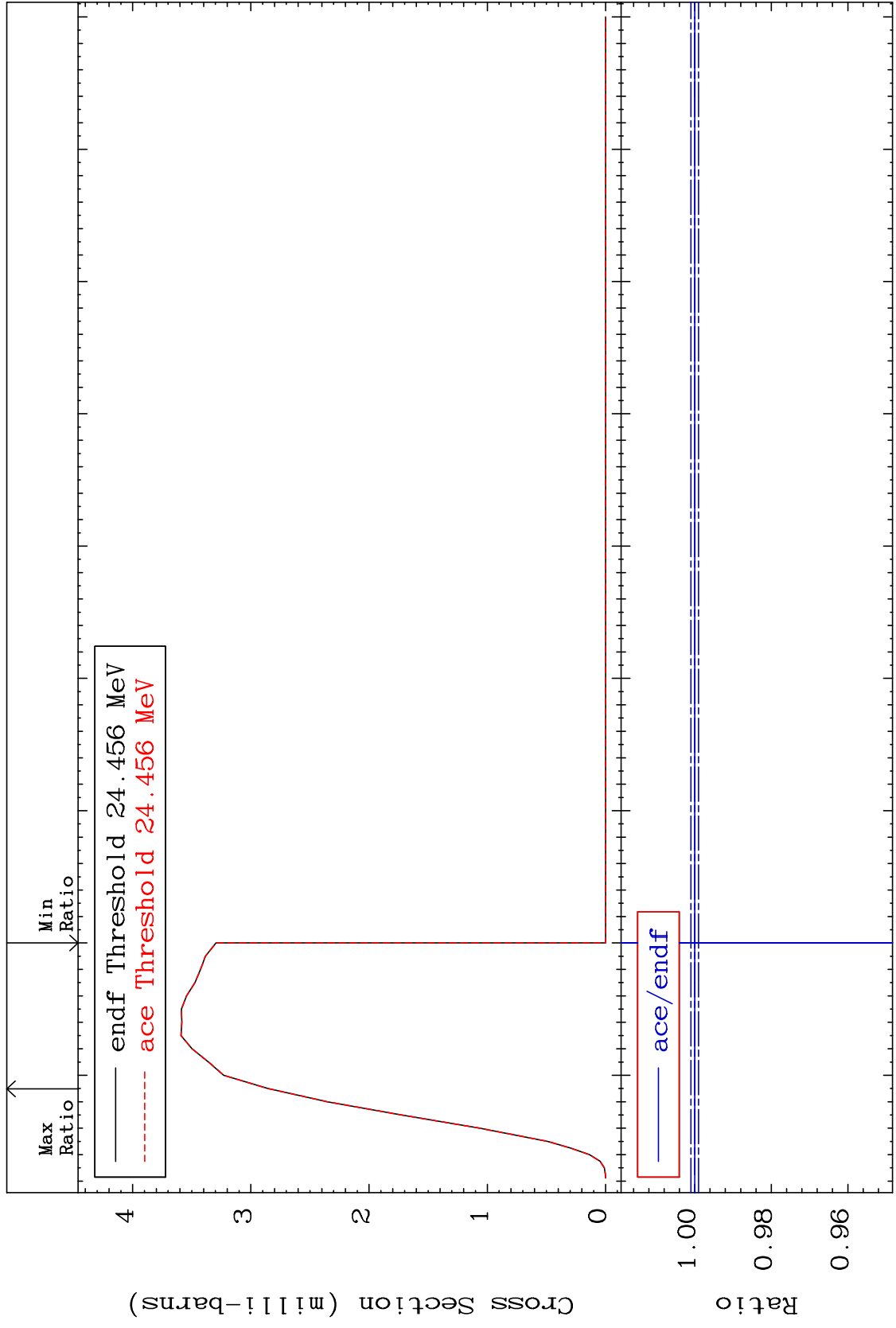
MAT 1525

(n, 3n)

15-P -31

Cross Section

-100.0 To 0.000 %



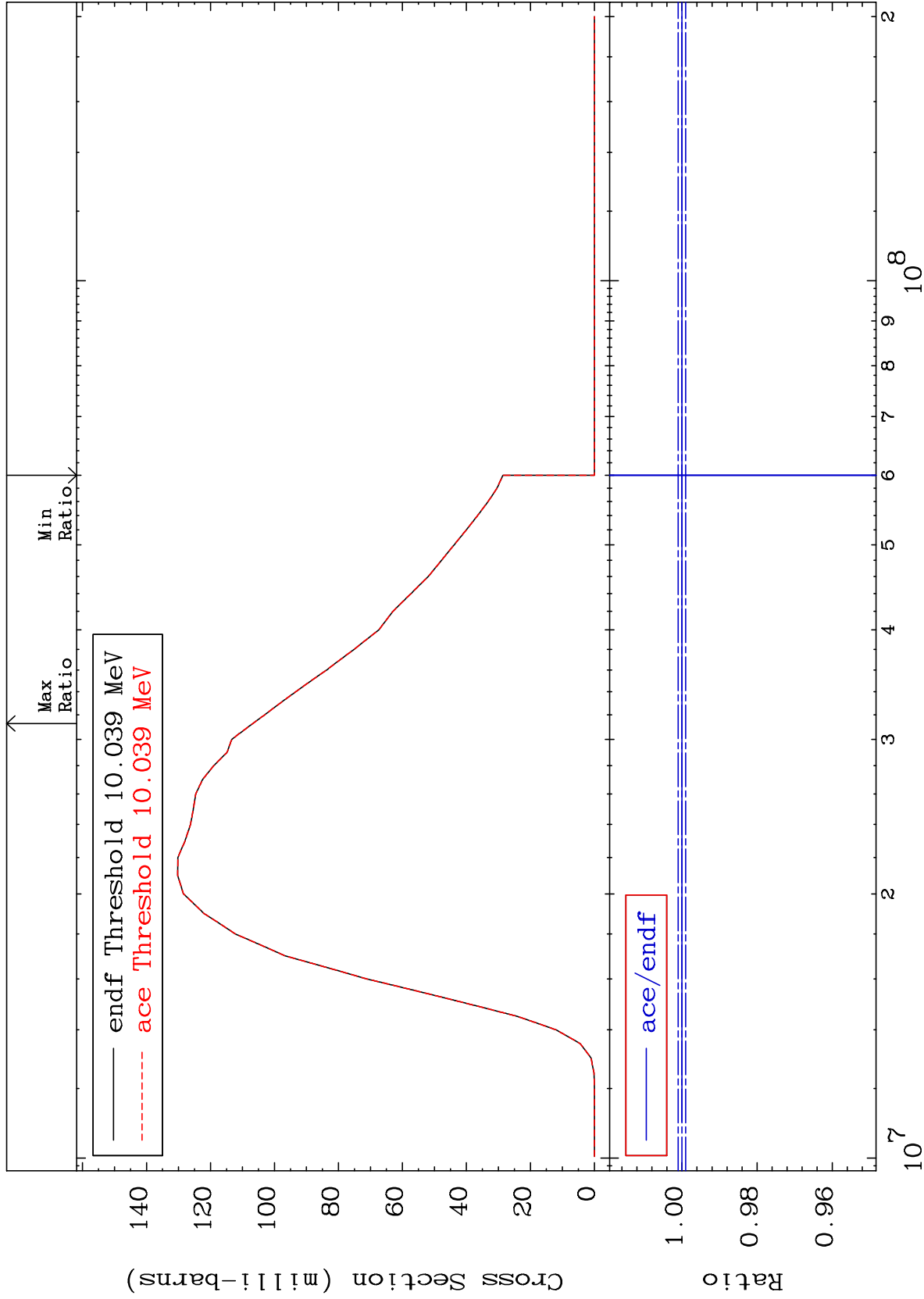
MAT 1525

(n, n')  $\alpha$

15-P -31

Cross Section

-100.0 To 0.000 %

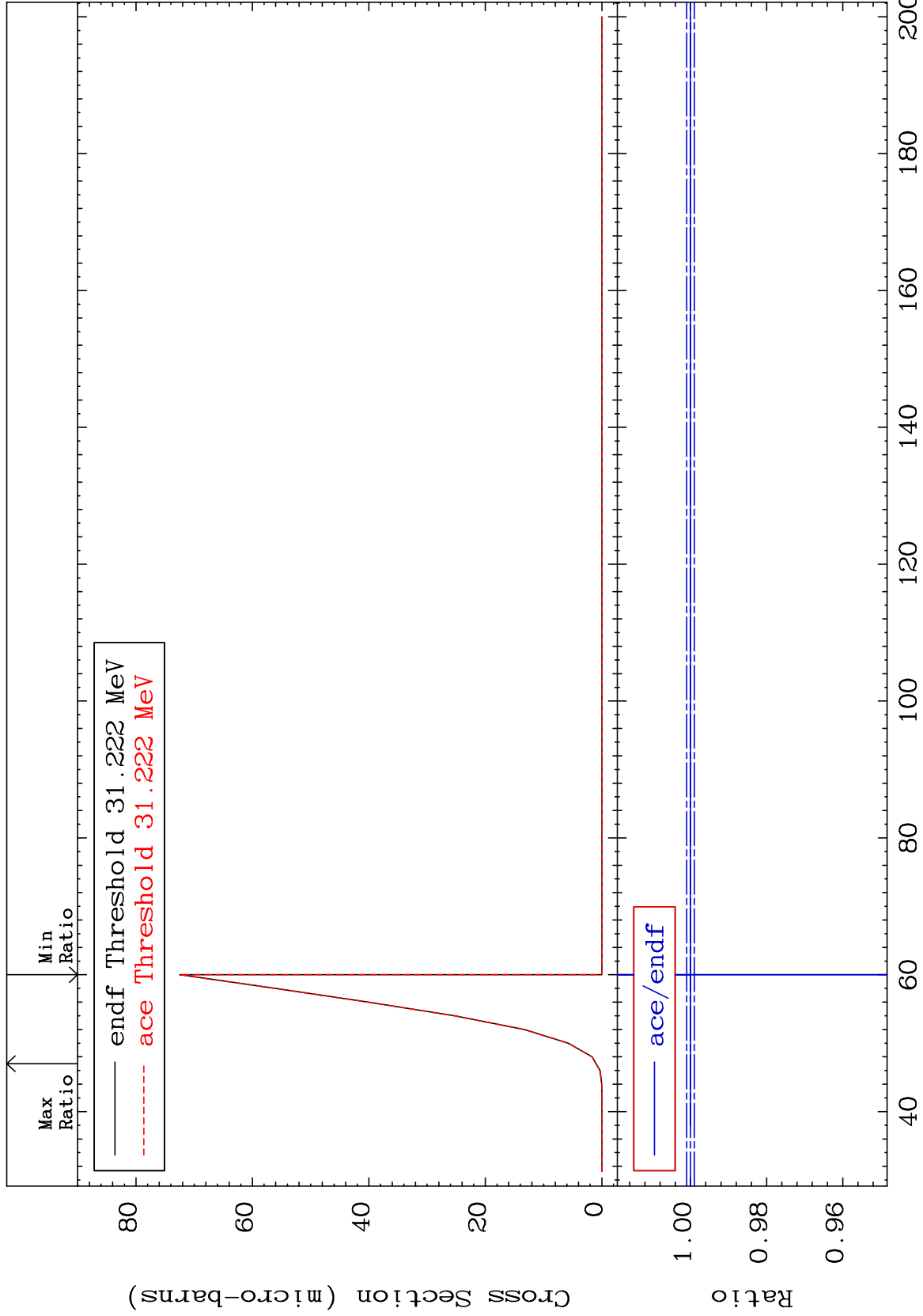


15-P -31

MAT 1525

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

15-P -31  
-100.0 To 0.000 %

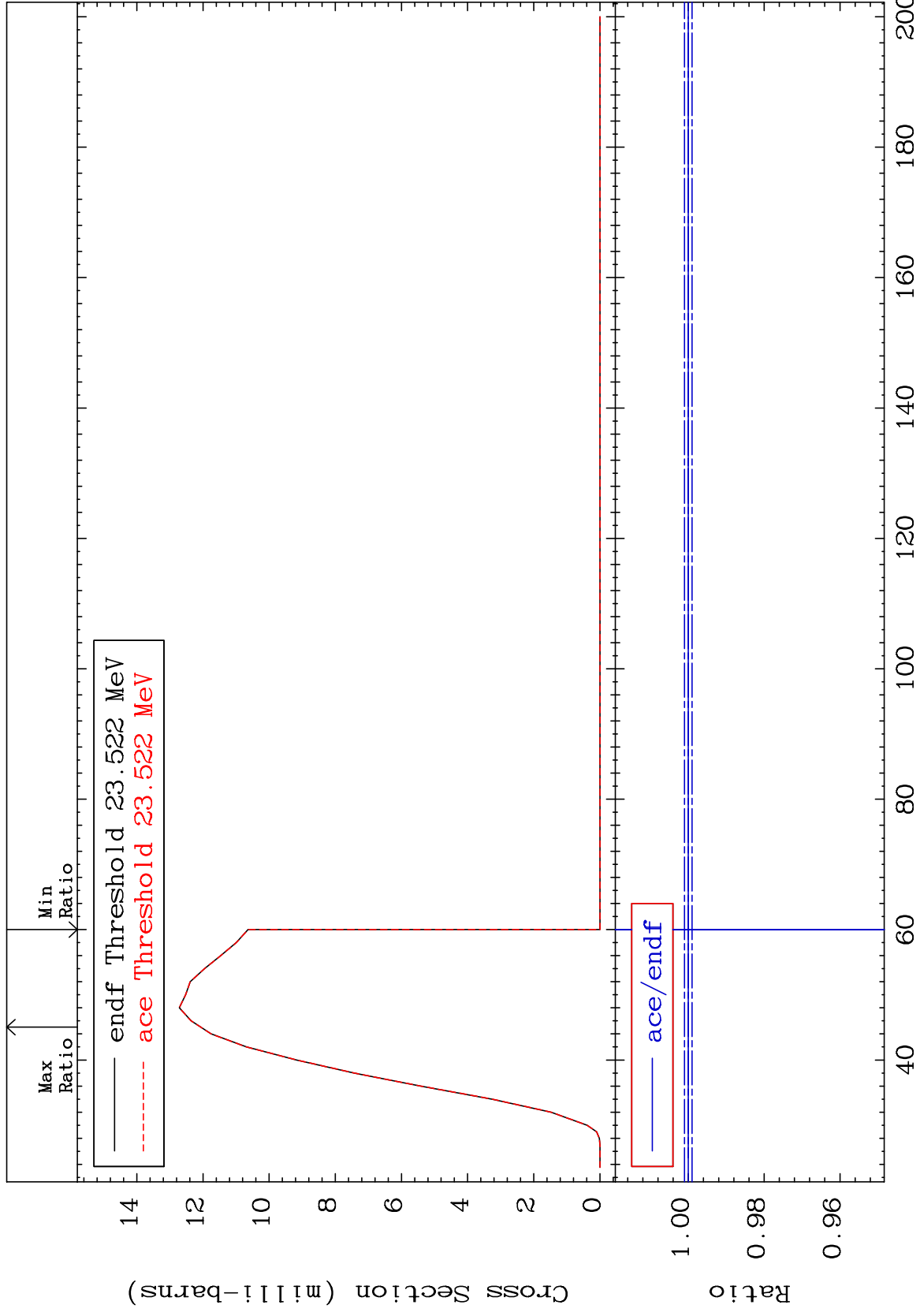




MAT 1525

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

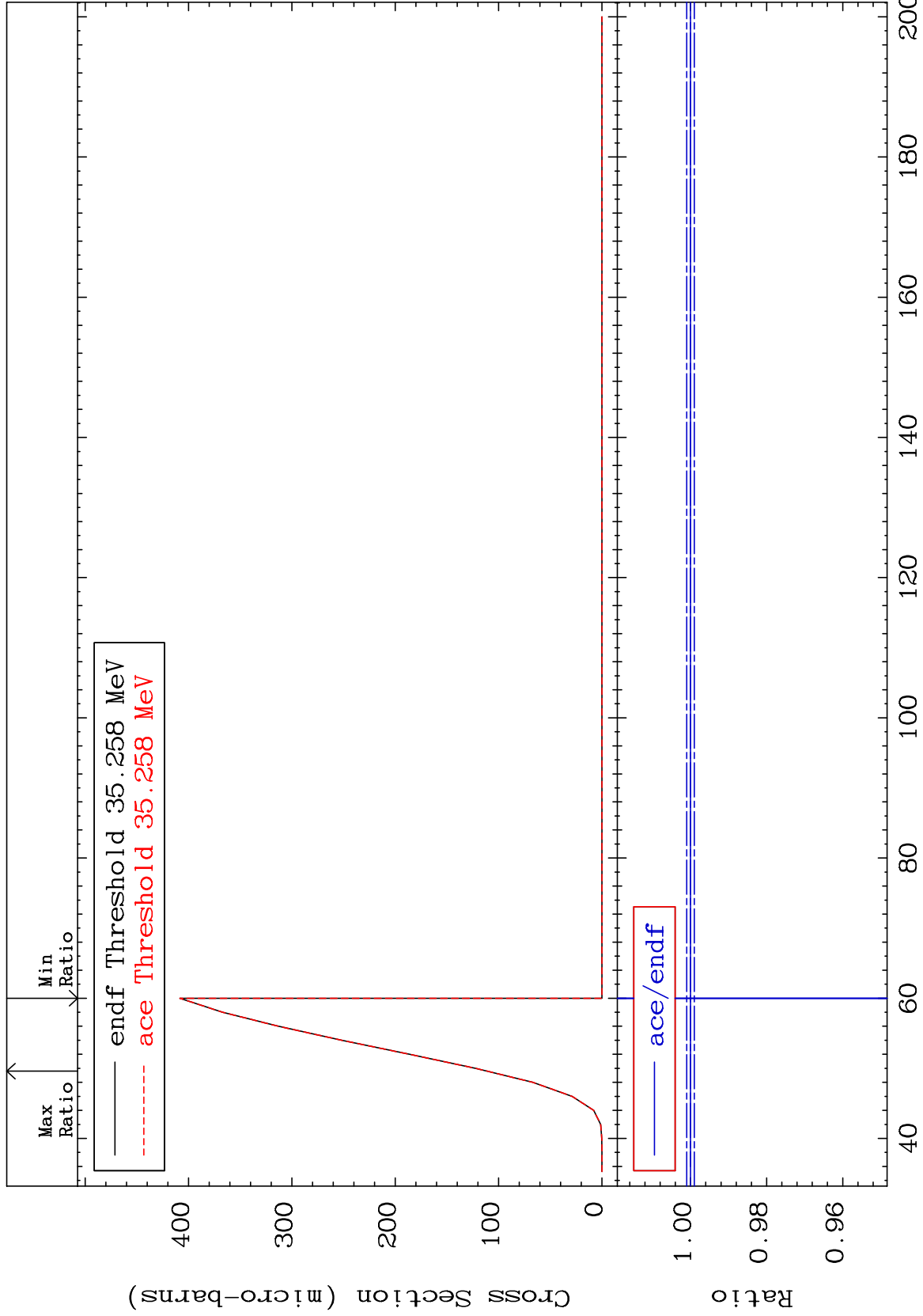
15-P -31  
-100.0 To 0.000 %



MAT 1525

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

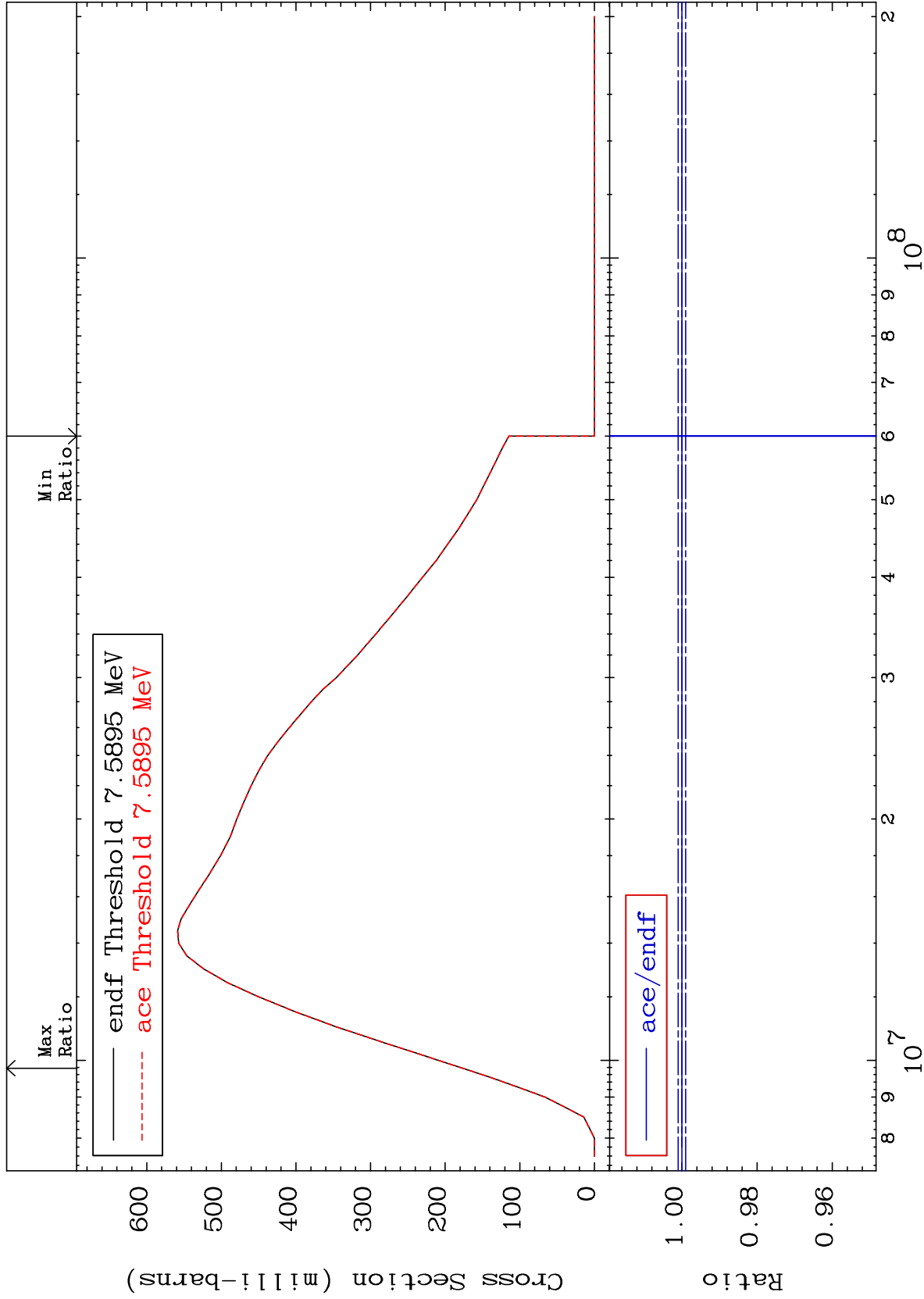
15-P -31  
-100.0 To 0.000 %



MAT 1525

(n, n') p  
Cross Section

15-P -31  
-100.0 To 0.000 %



10

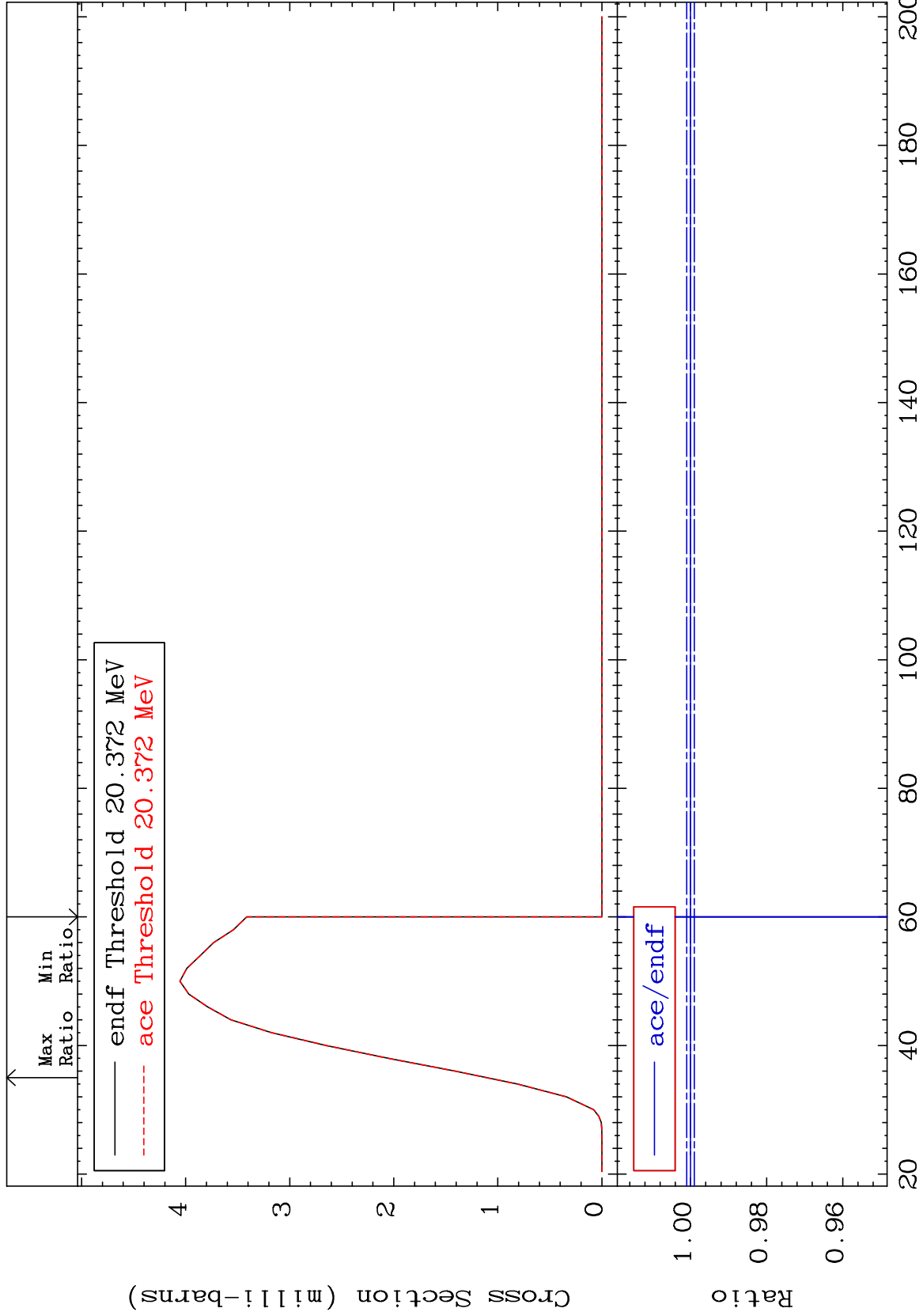
Incident Energy (eV)

15-P -31

MAT 1525

(n,n') 2α  
Cross Section

15-P -31  
-100.0 To 0.000 %



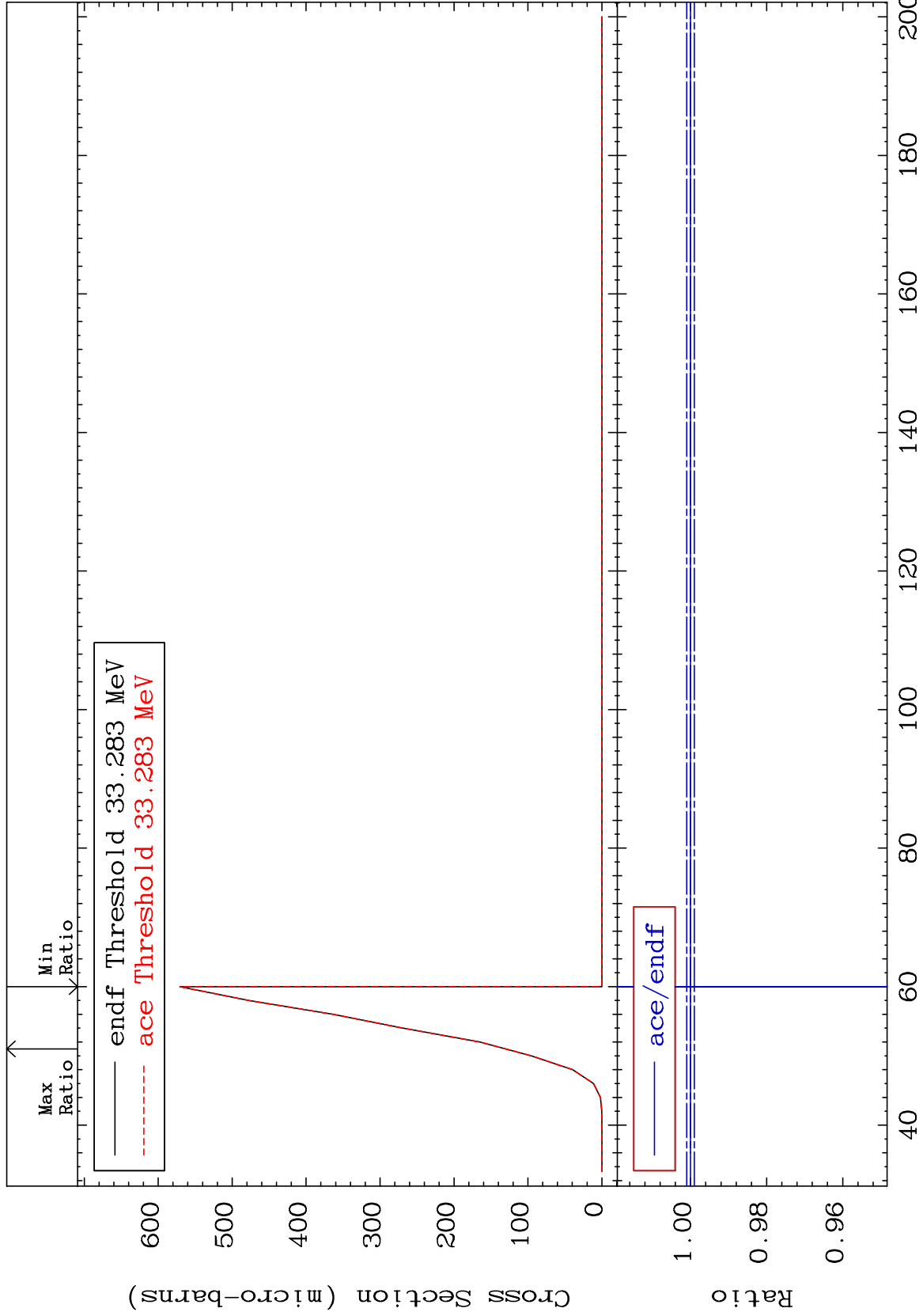
MAT 1525

(n,2n) 2α

15-P -31

Cross Section

-100.0 To 0.000 %



12

Incident Energy (MeV)

15-P -31

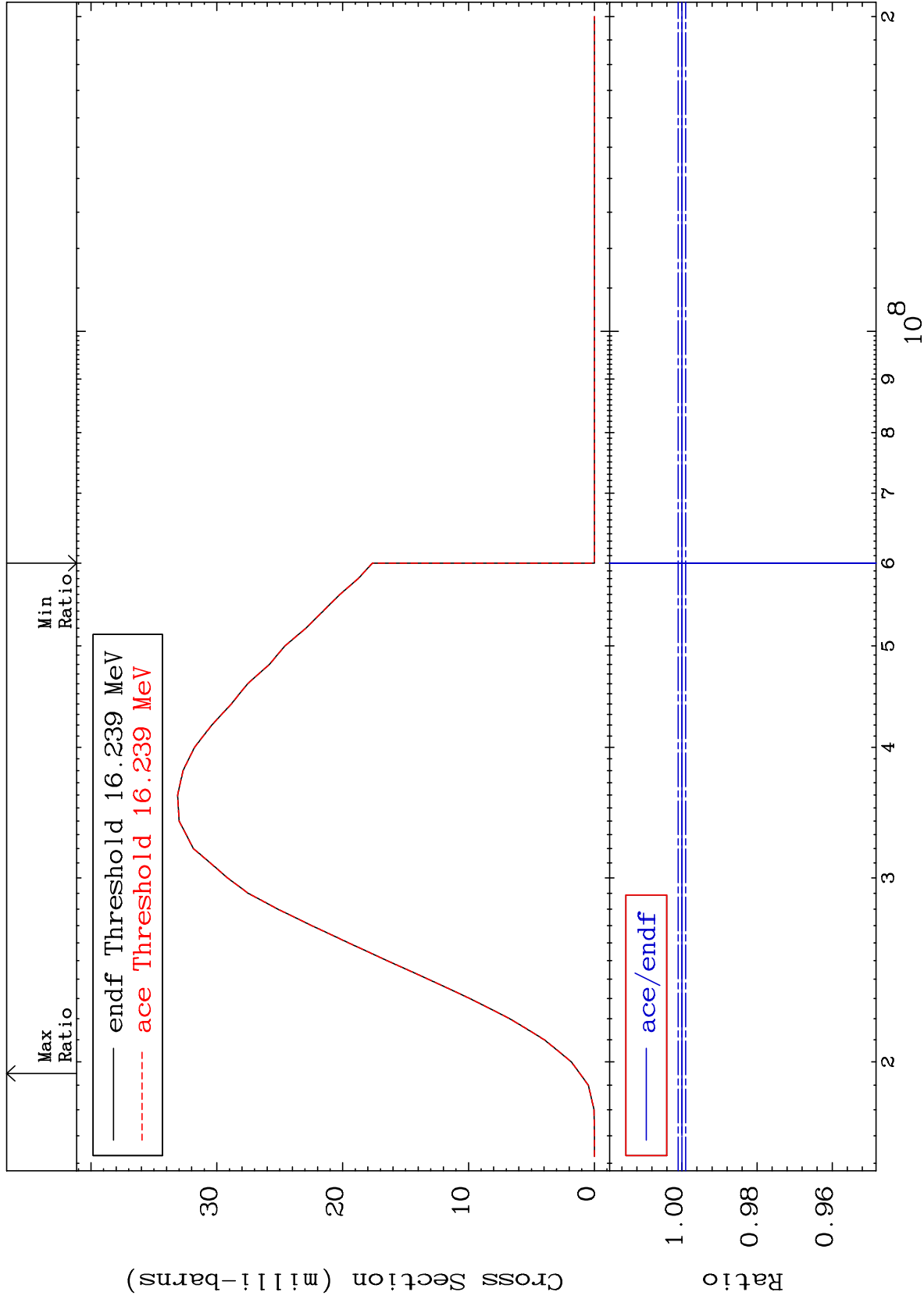
MAT 1525

(n, n') d

15-P -31

Cross Section

-100.0 To 0.000 %



13

Incident Energy (eV)

15-P -31

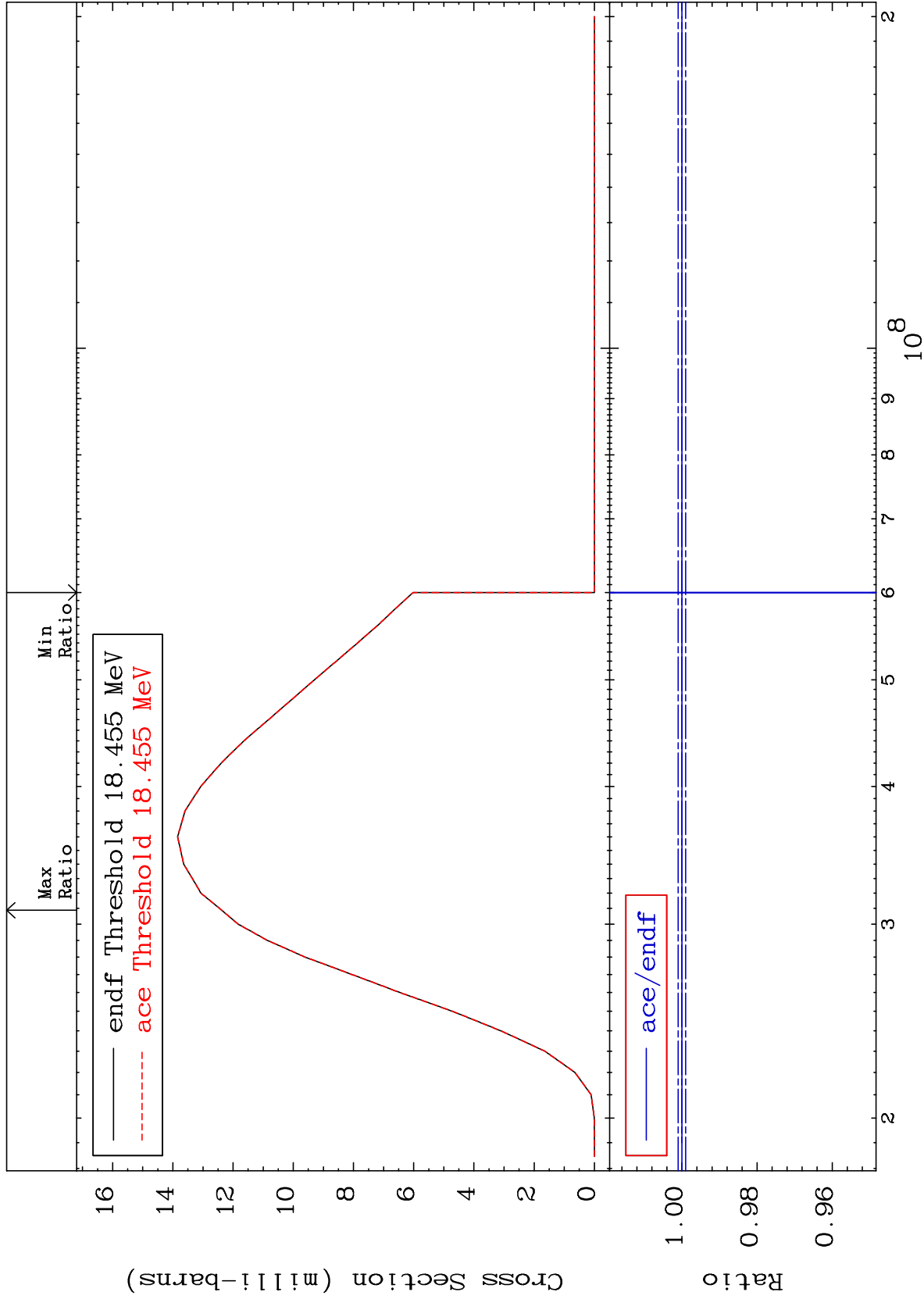
MAT 1525

(n, n') t

15-P -31

Cross Section

-100.0 To 0.000 %



14

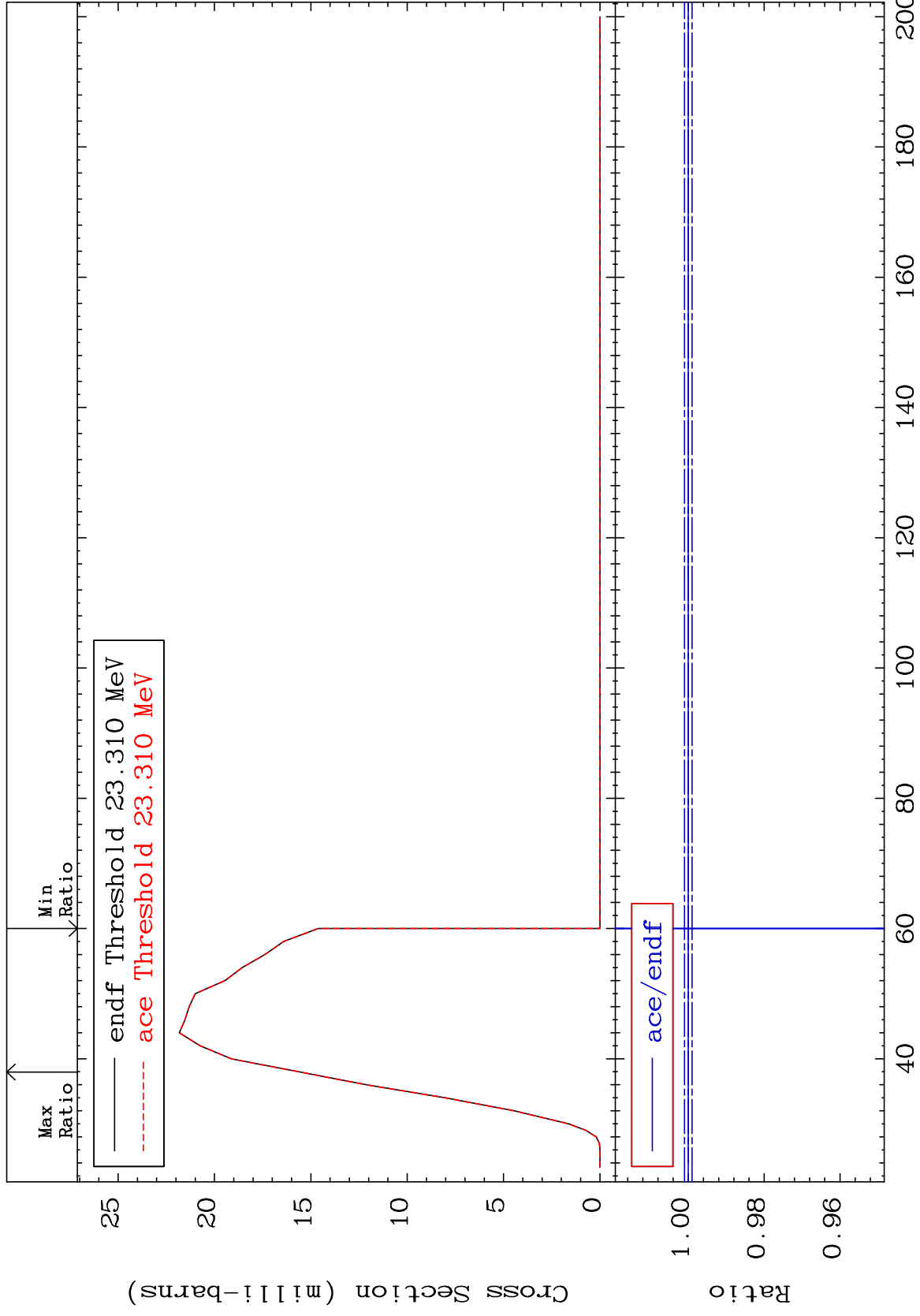
Incident Energy (eV)

15-P -31

MAT 1525

(n,n') He-3  
Cross Section

15-P -31  
-100.0 To 0.000 %



15

Incident Energy (MeV)

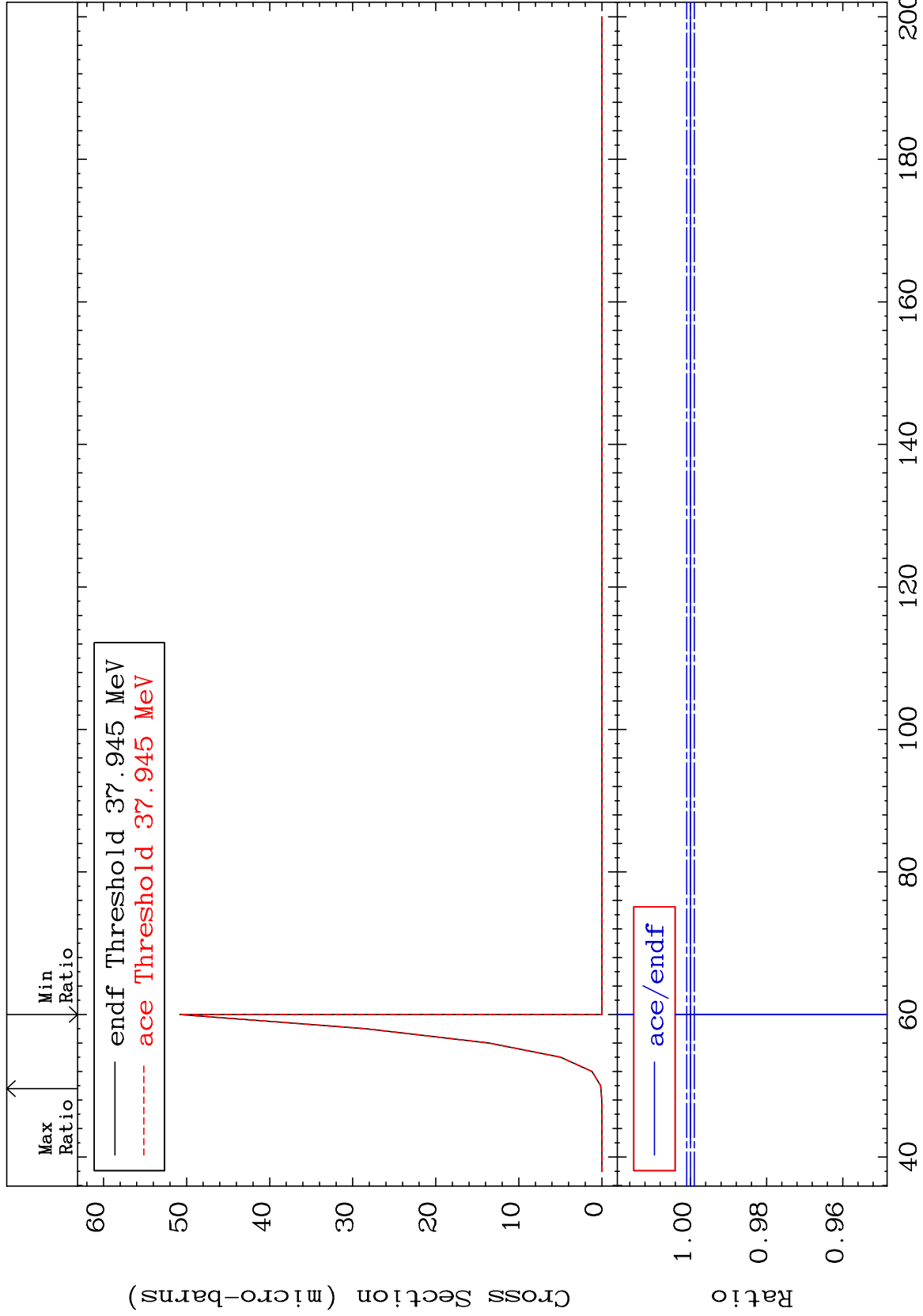
15-P -31



MAT 1525

(n,n') d,2α  
Cross Section

15-P -31  
-100.0 To 0.000 %



16

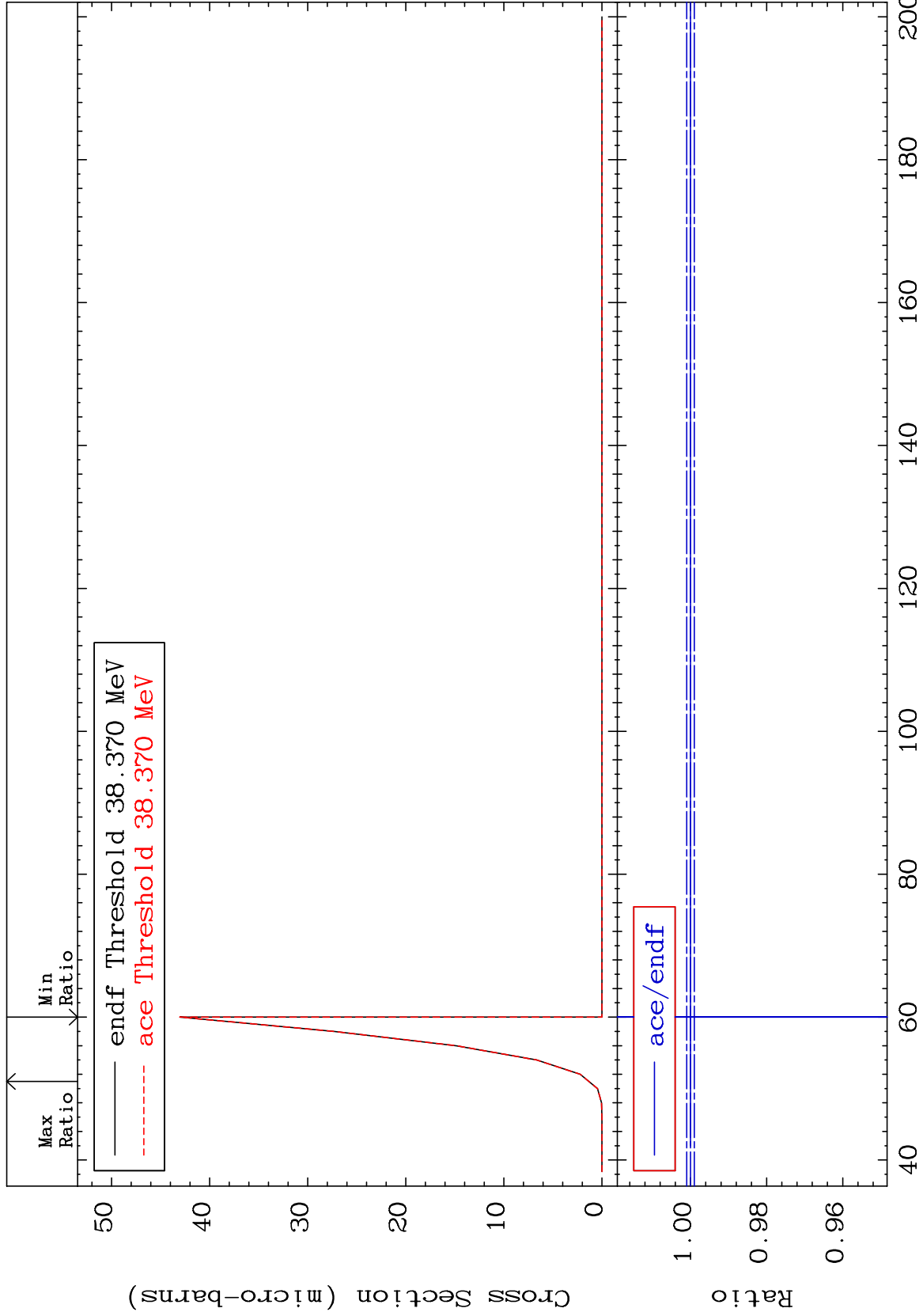
Incident Energy (MeV)

15-P -31

MAT 1525

(n,n') t,2α  
Cross Section

15-P -31  
-100.0 To 0.000 %



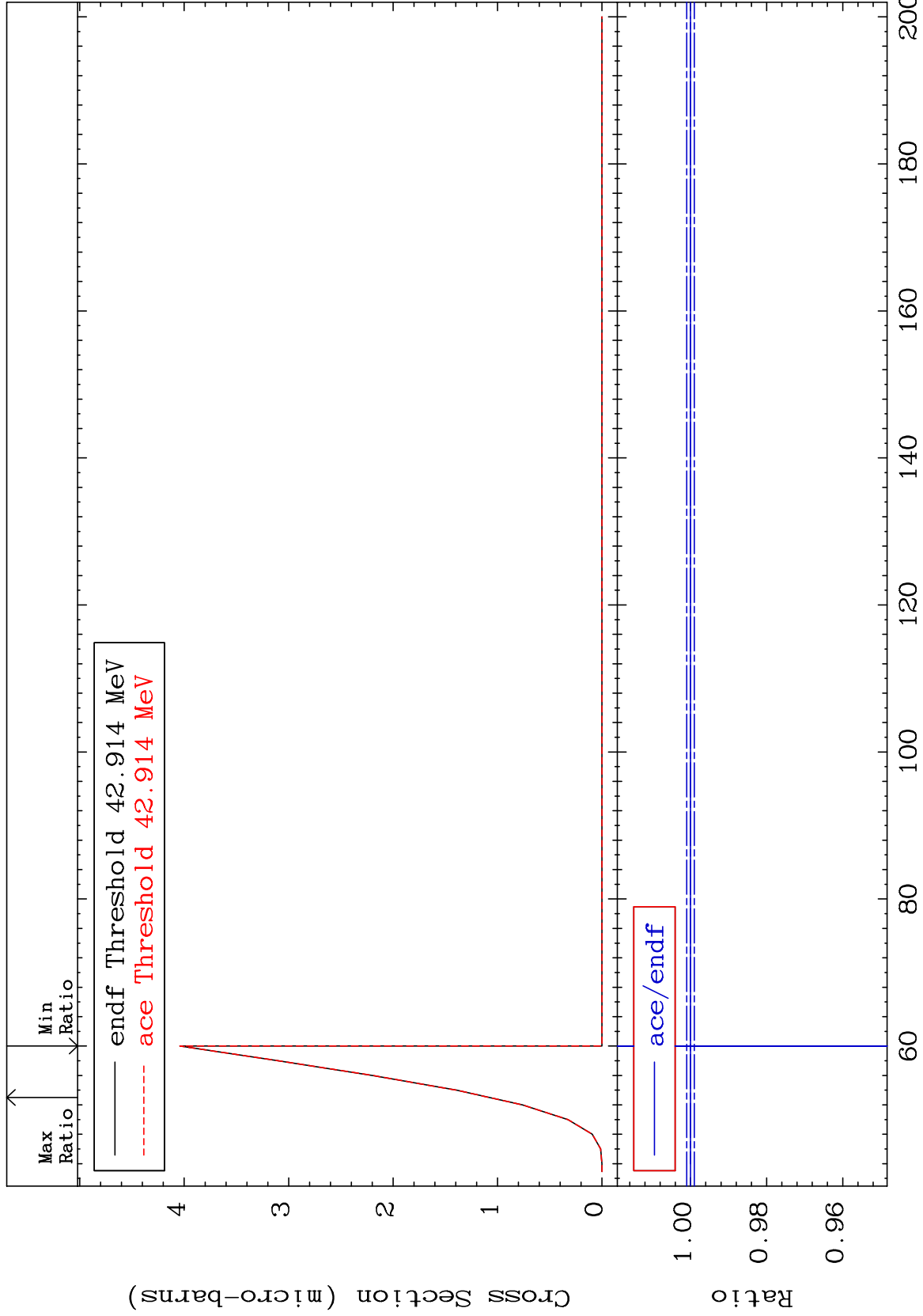
MAT 1525

(n, 4n)

15-P -31

Cross Section

-100.0 To 0.000 %

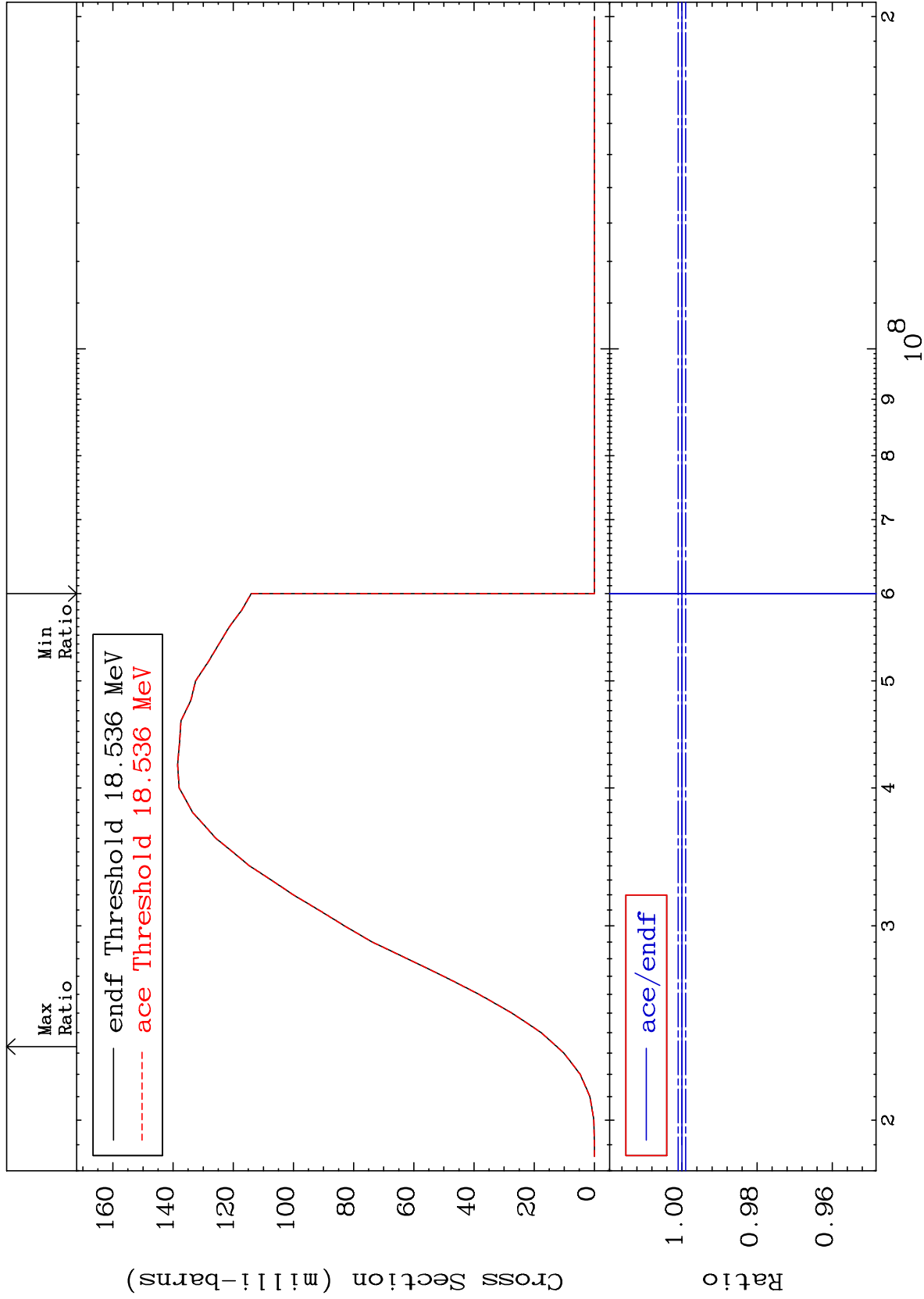


18

Incident Energy (MeV)

15-P -31

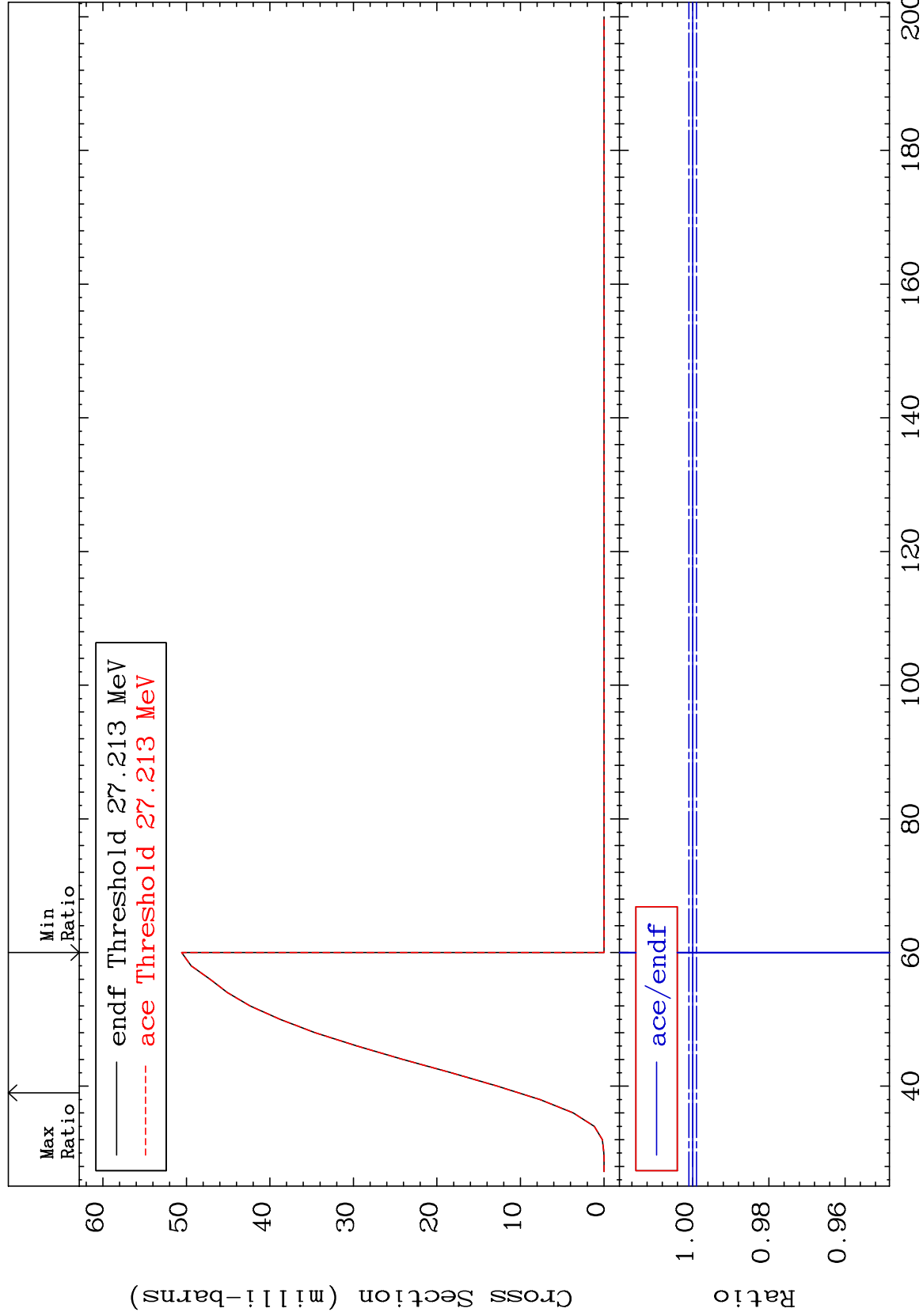
MAT 1525 (n,2n) p 15-P -31  
Cross Section -100.0 To 0.000 %



MAT 1525

(n, 3n) p  
Cross Section

15-P -31  
-100.0 To 0.000 %



20

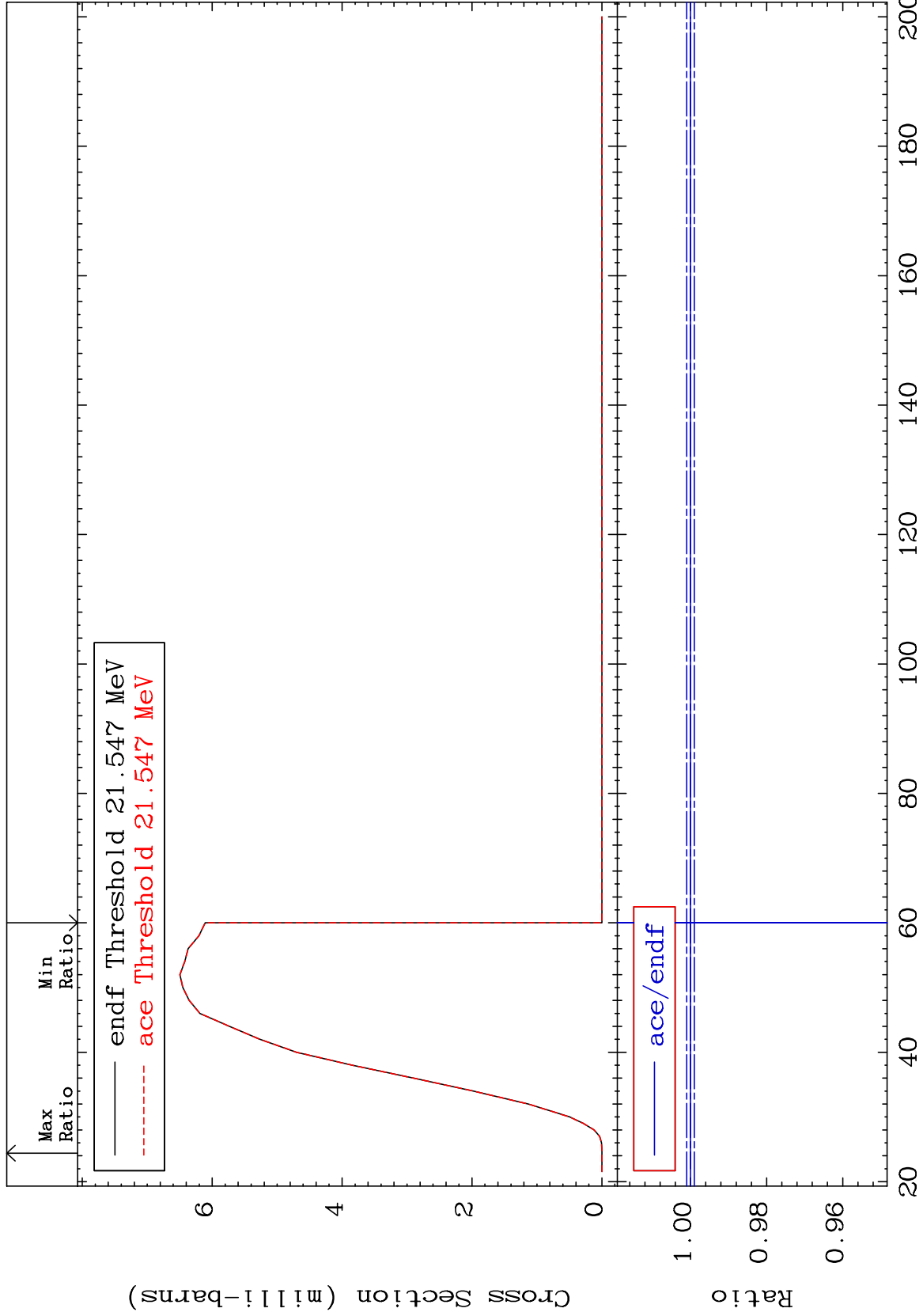
Incident Energy (MeV)

15-P -31

MAT 1525

(n,2n) p  
Cross Section

15-P -31  
-100.0 To 0.000 %



21

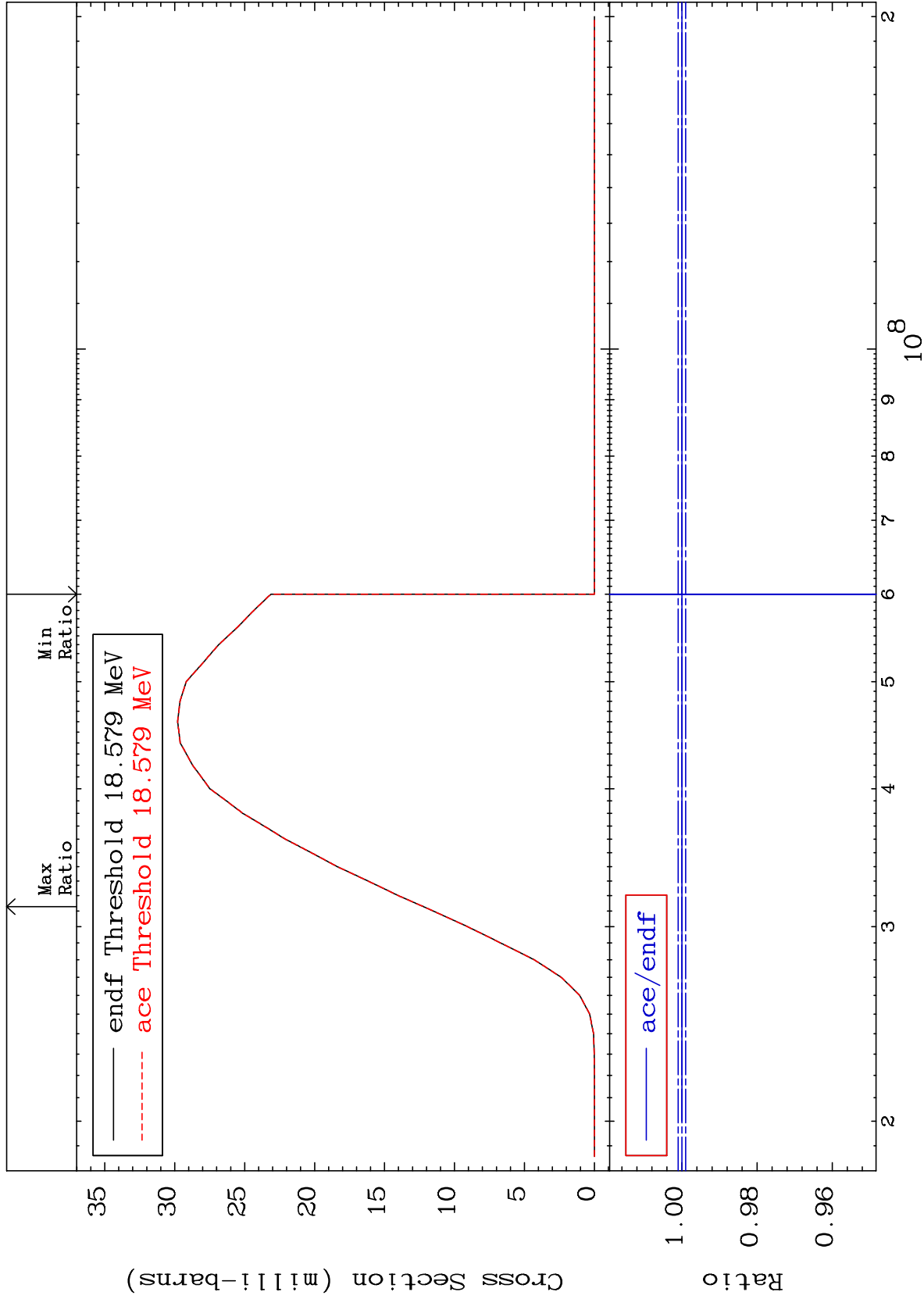
Incident Energy (MeV)

15-P -31

MAT 1525

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

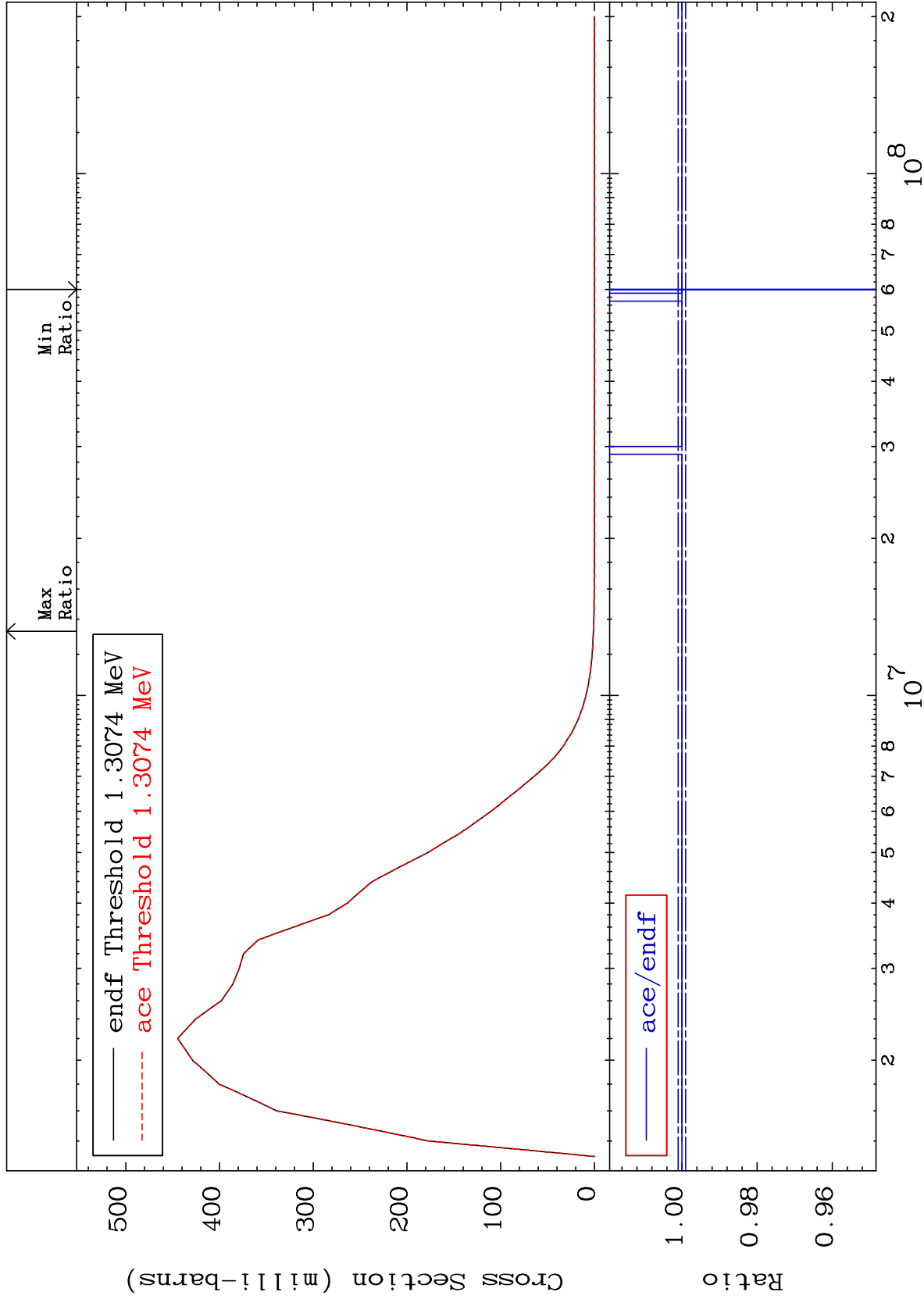
15-P -31  
-100.0 To 0.000 %



MAT 1525

1.266 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %

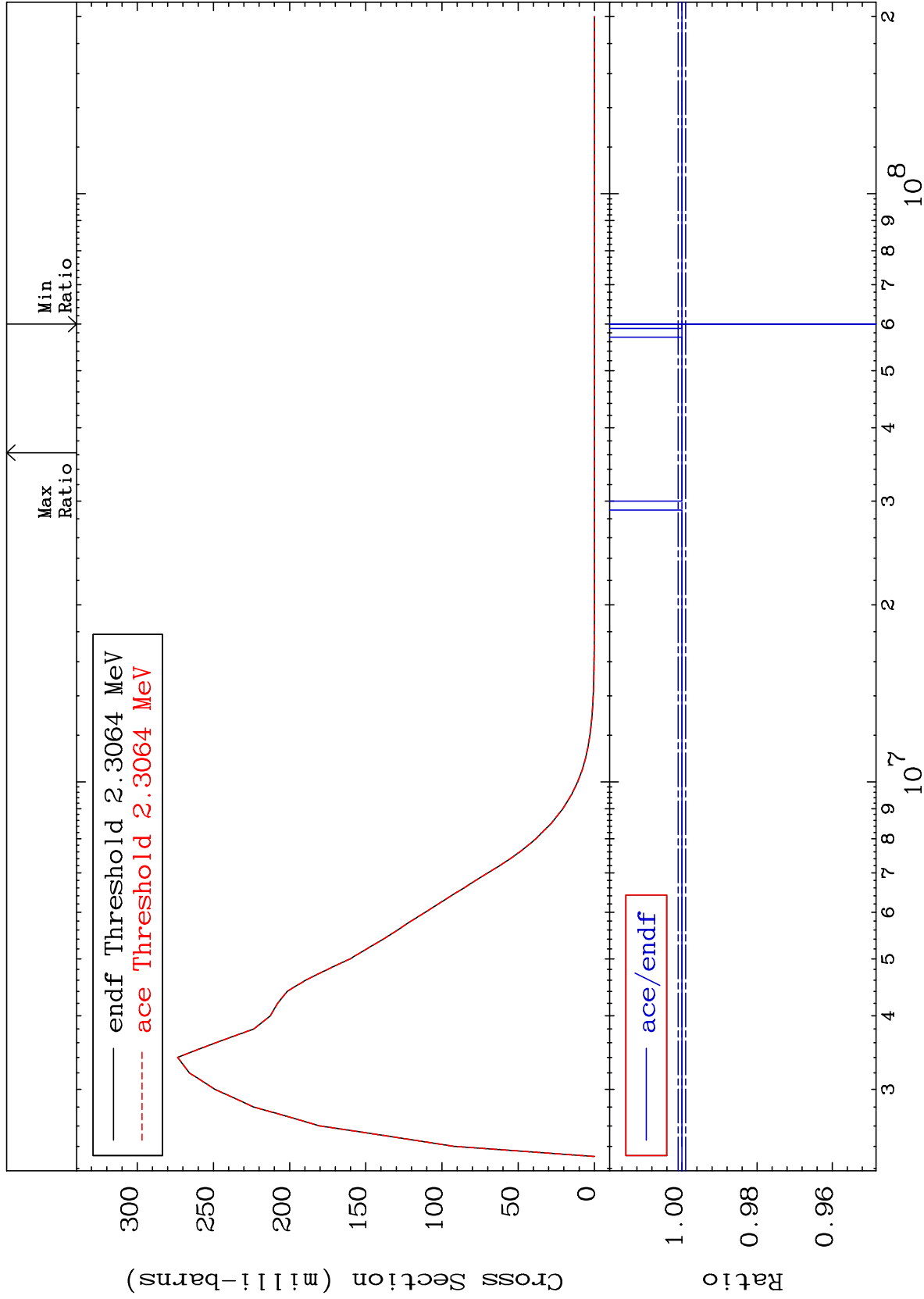




MAT 1525

2.234 MeV (n,n') Level  
Cross Section

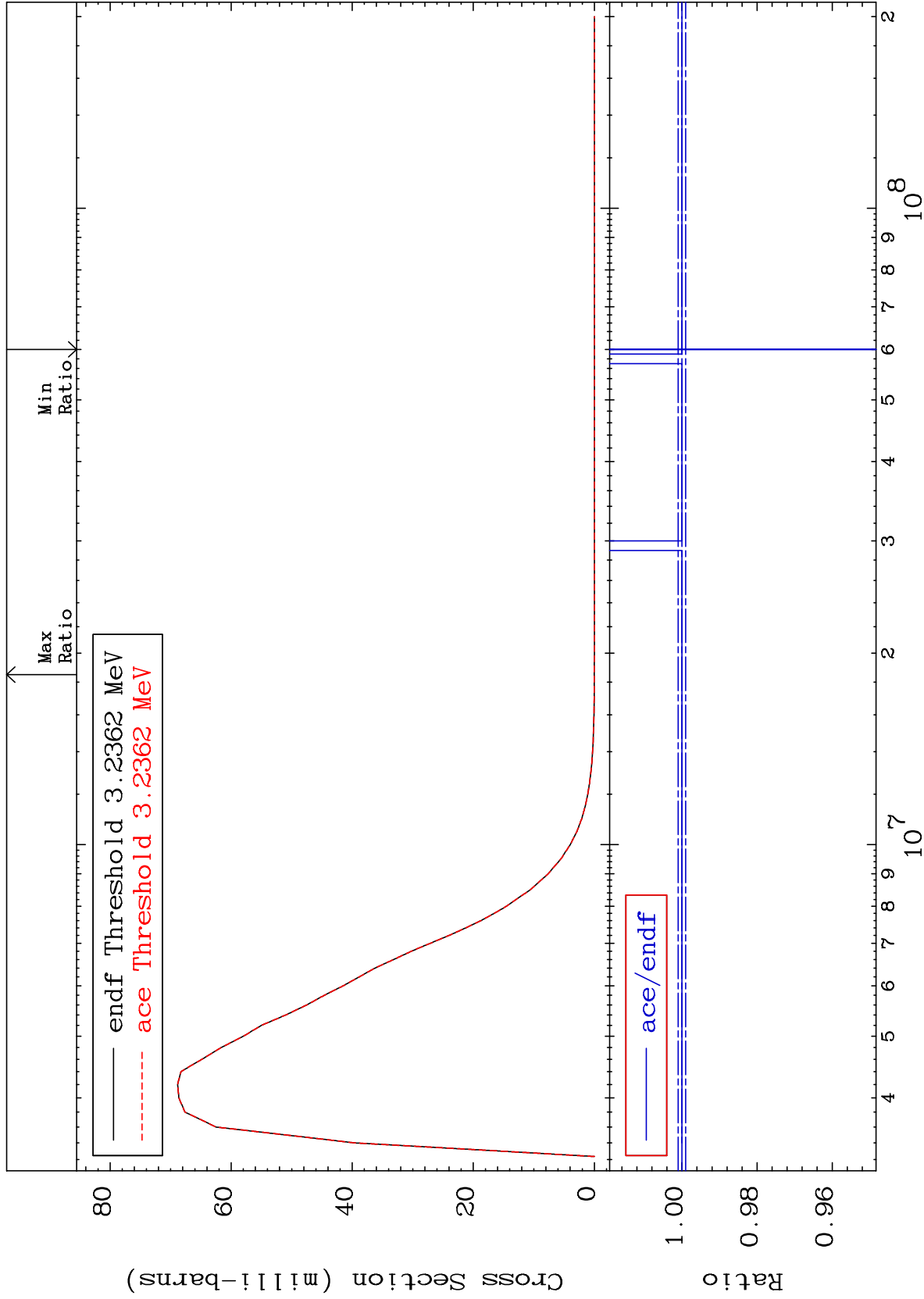
15-P -31  
-100.0 To 0.000 %



MAT 1525

3.134 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



25

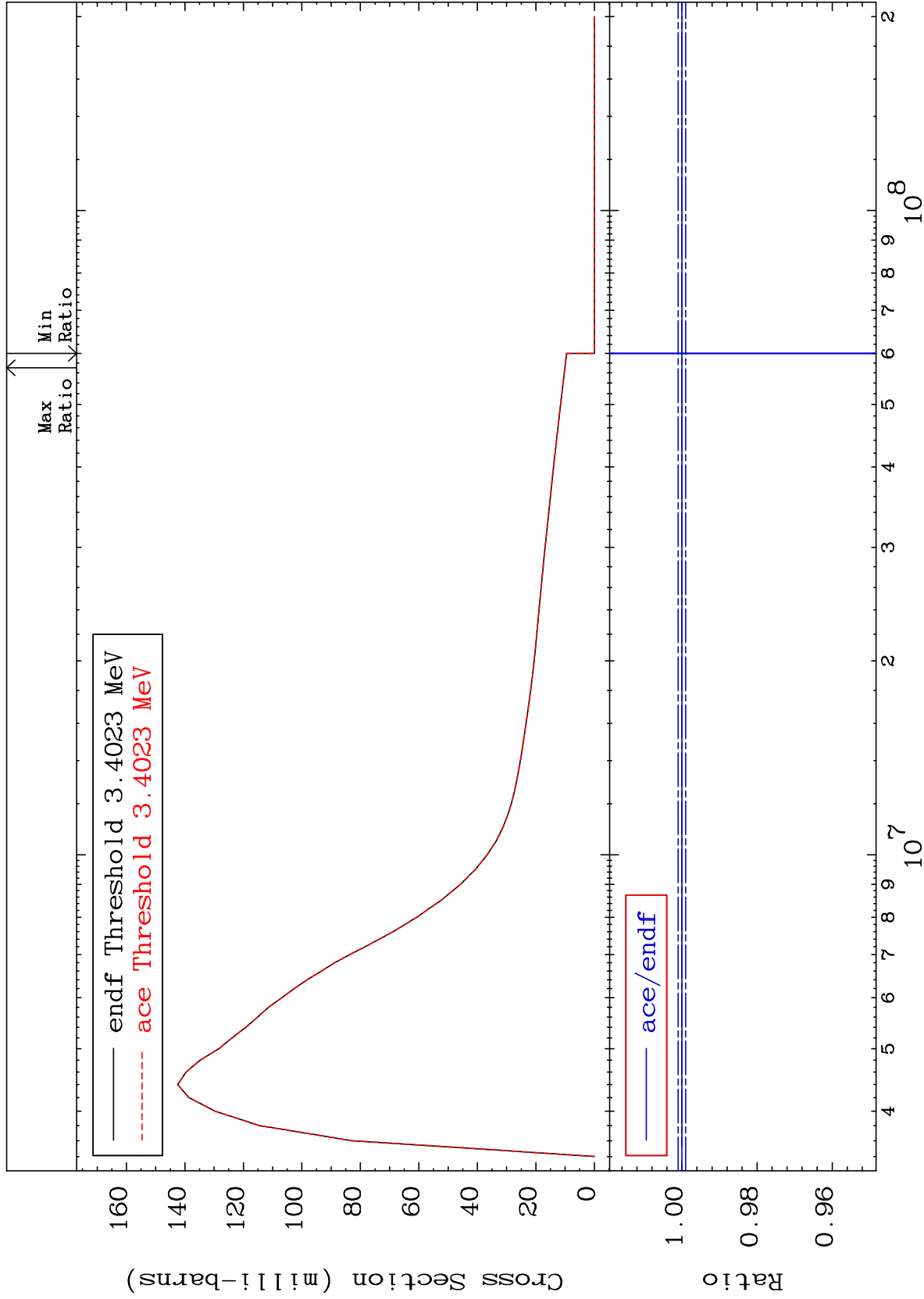
Incident Energy (eV)

15-P -31

MAT 1525

3.295 MeV (n,n') Level  
Cross Section

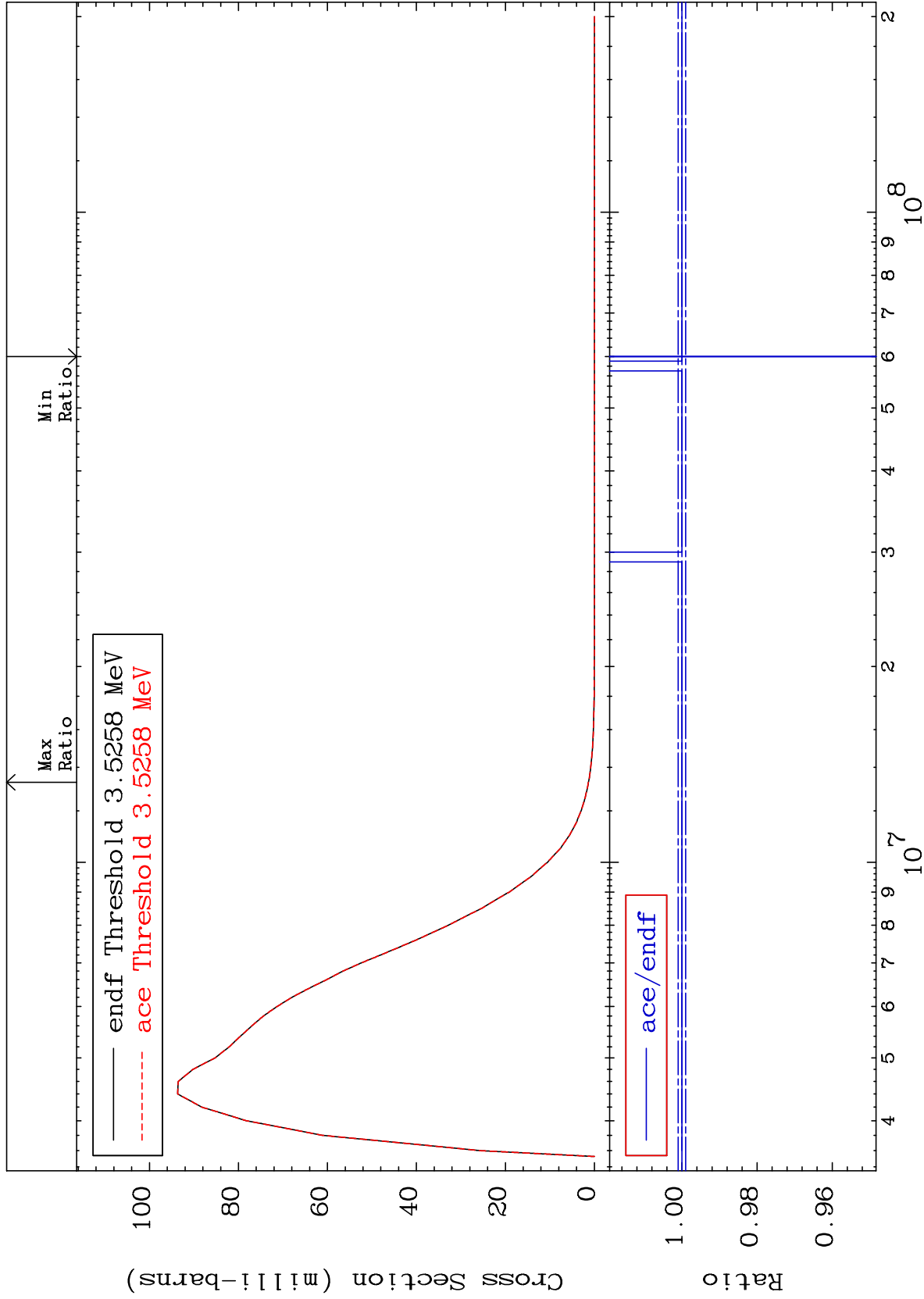
15-P -31  
-100.0 To 0.000 %



MAT 1525

3.415 MeV (n,n') Level  
Cross Section

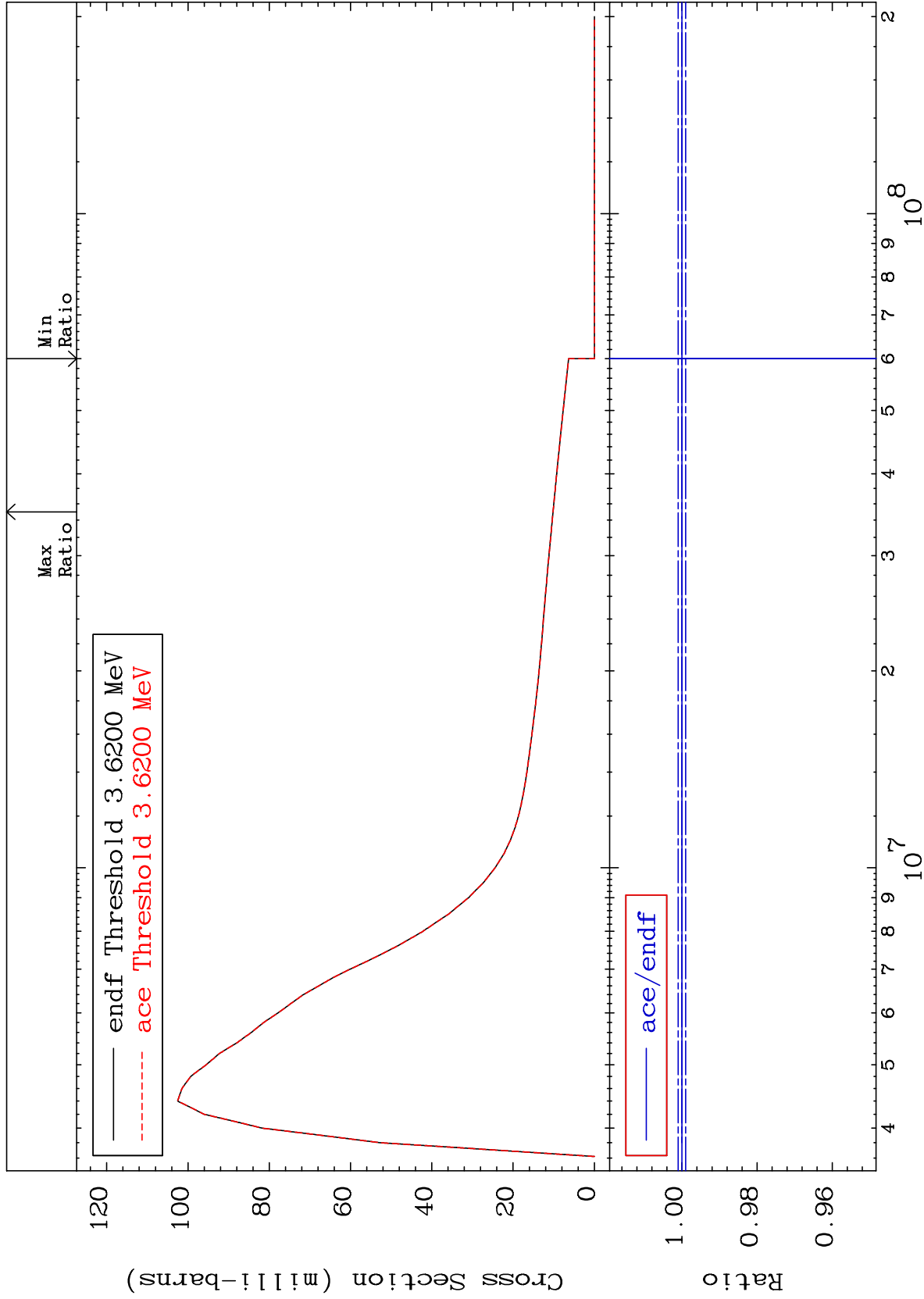
15-P -31  
-100.0 To 0.000 %



MAT 1525

3.506 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



28

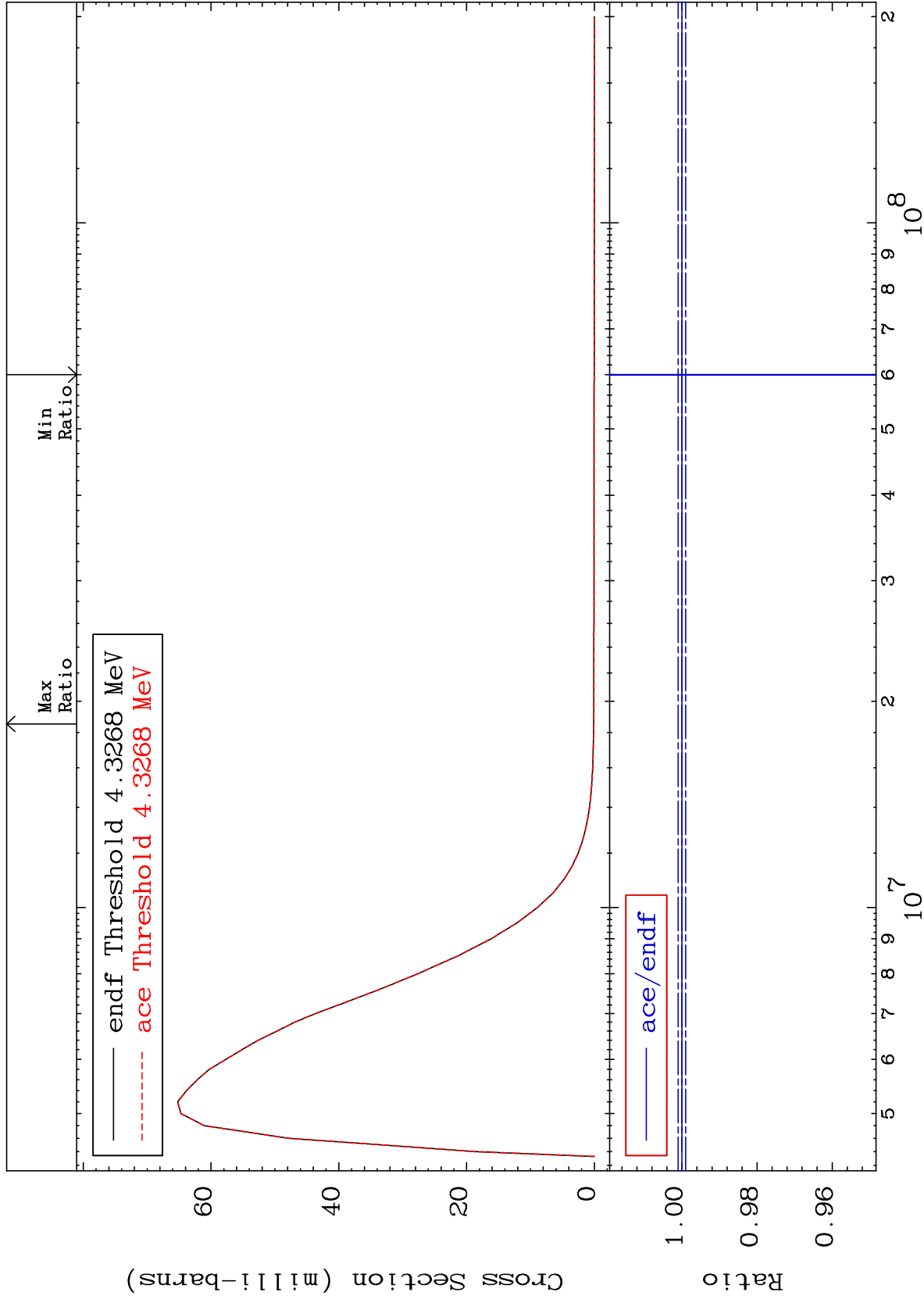
Incident Energy (eV)

15-P -31

MAT 1525

4.190 MeV (n,n') Level  
Cross Section

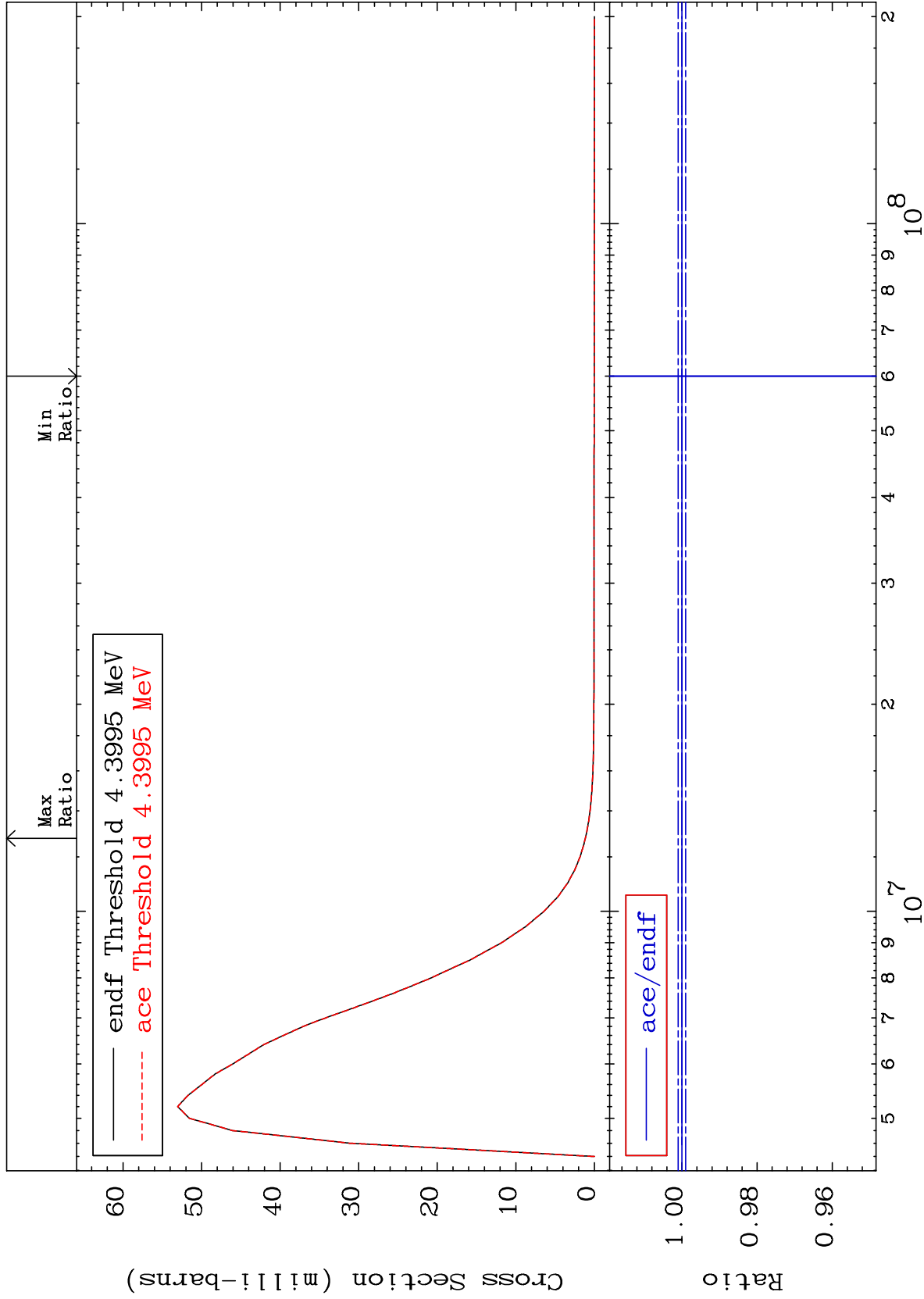
15-P -31  
-100.0 To 0.000 %



MAT 1525

4.261 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



30

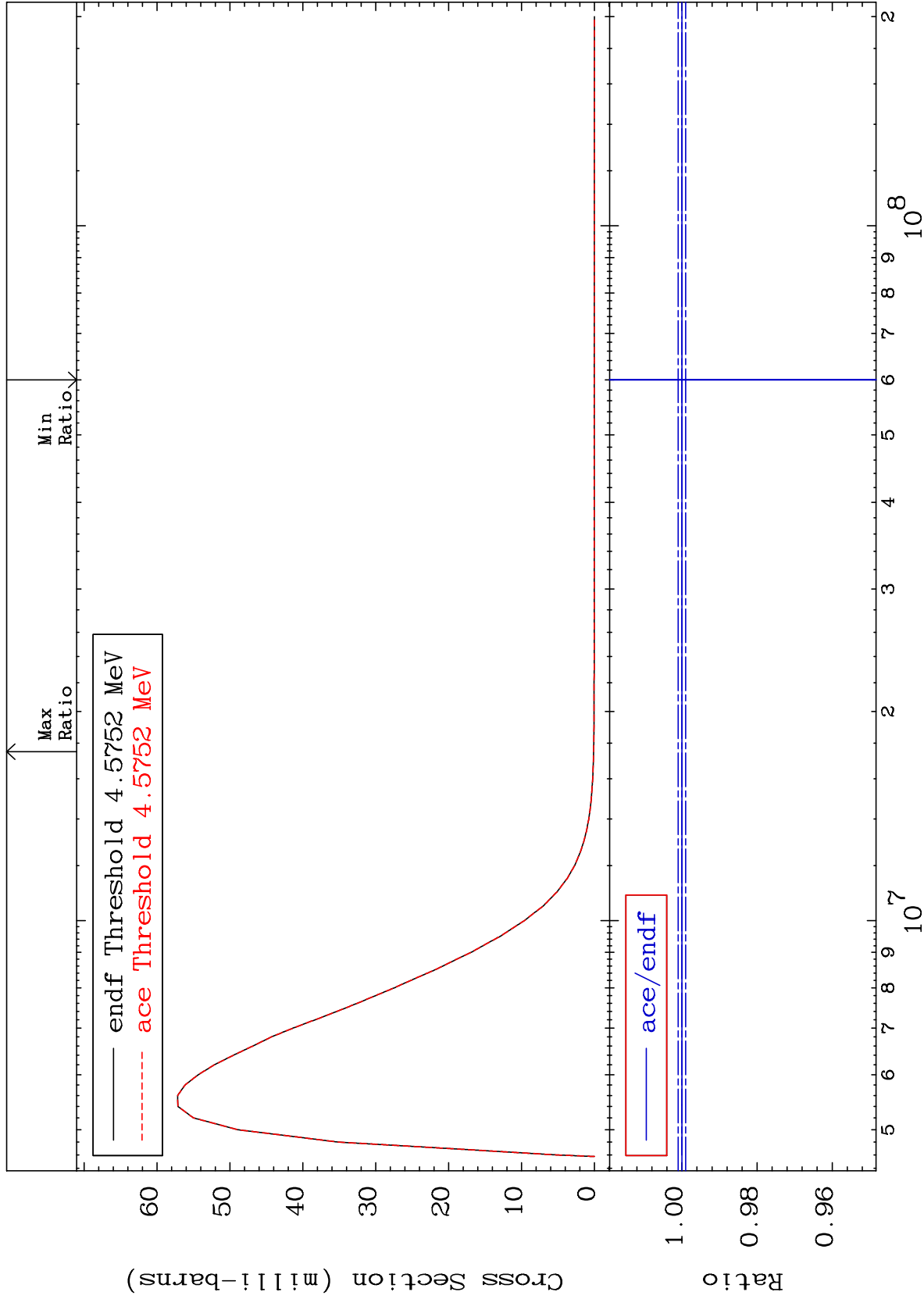
Incident Energy (eV)

15-P -31

MAT 1525

4.431 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



31

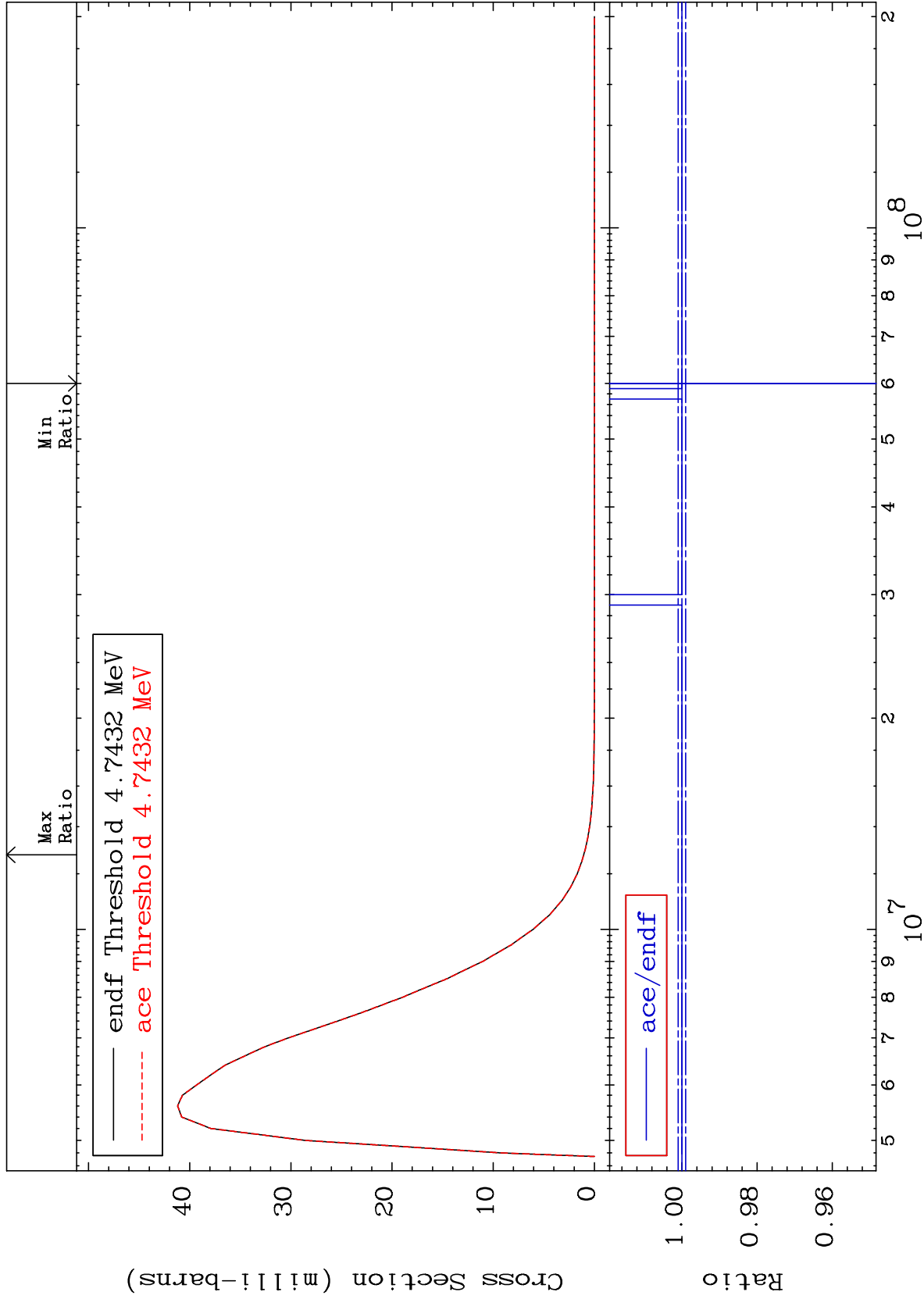
15-P -31



MAT 1525

4.594 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



32

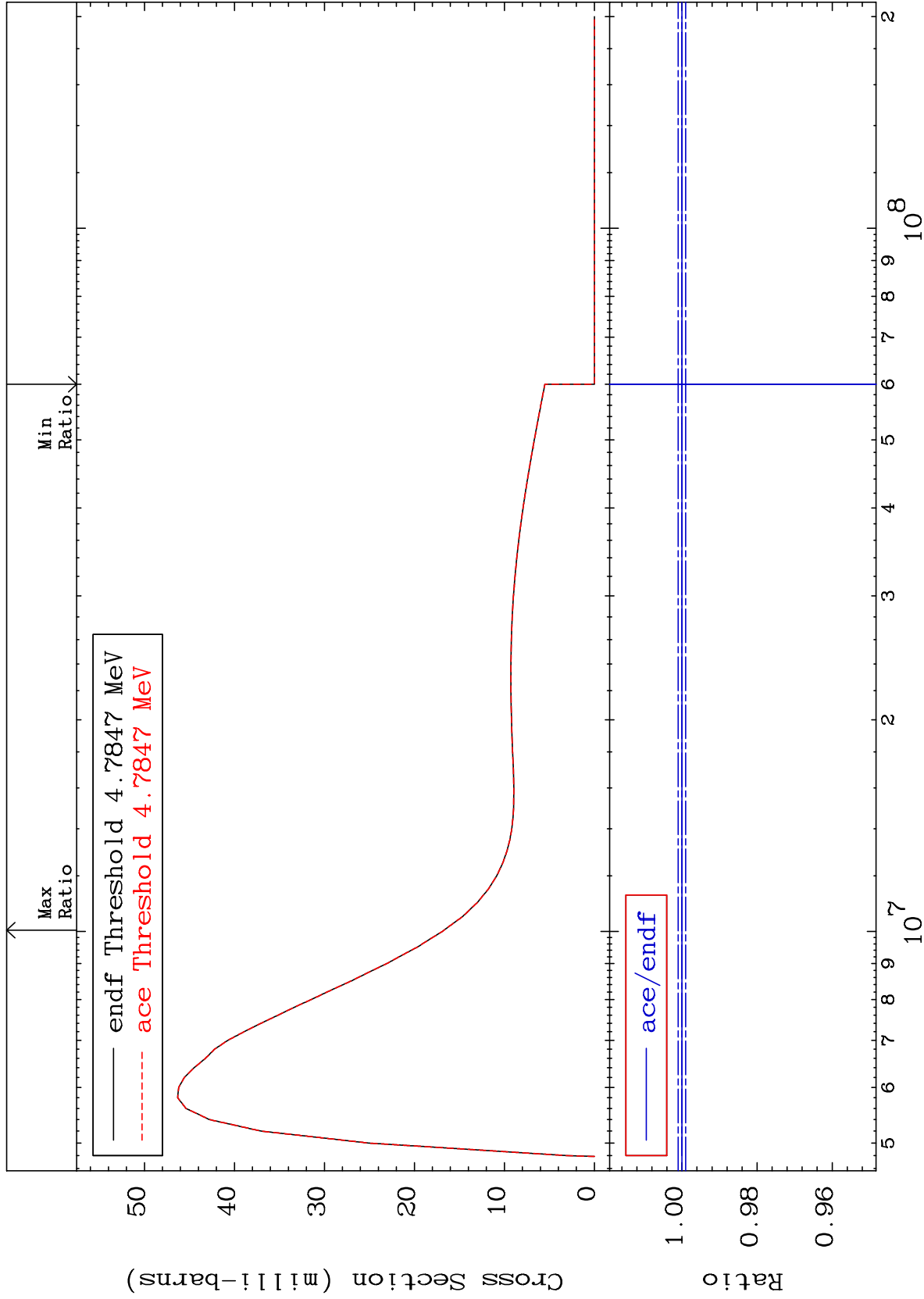
Incident Energy (eV)

15-P -31

MAT 1525

4.634 MeV (n,n') Level  
Cross Section

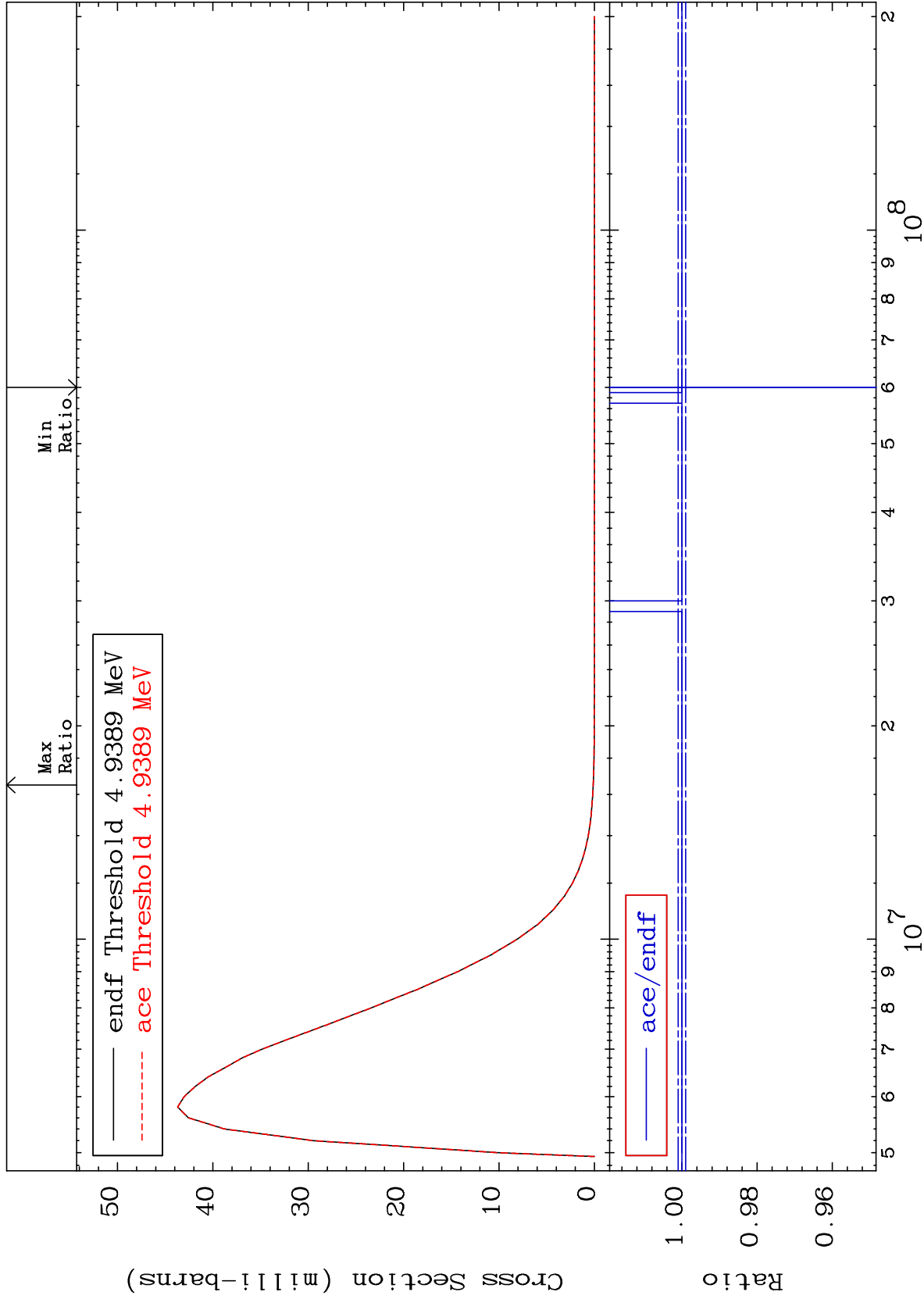
15-P -31  
-100.0 To 0.000 %



MAT 1525

4.783 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



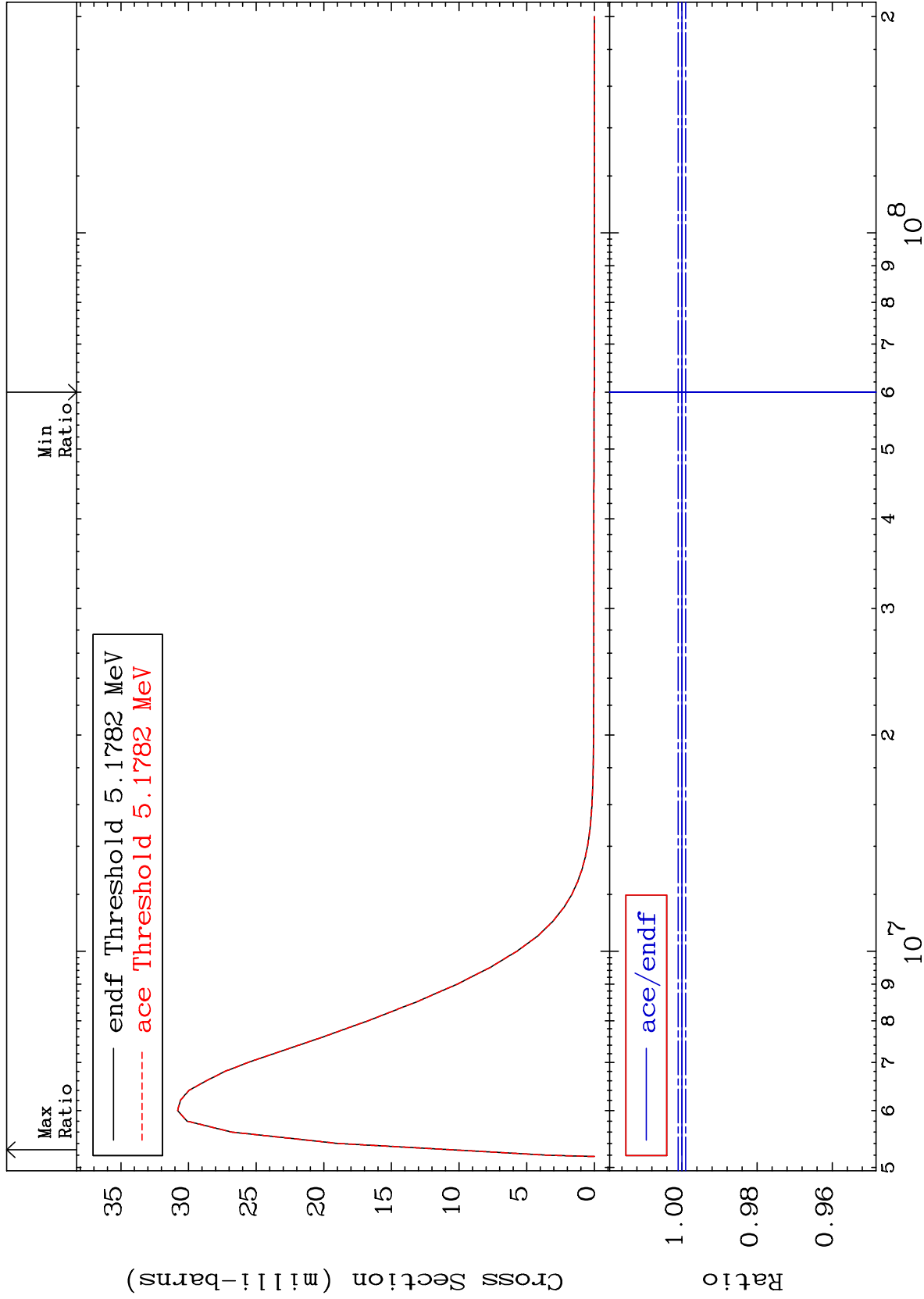
34

15-P -31

MAT 1525

5.015 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



35

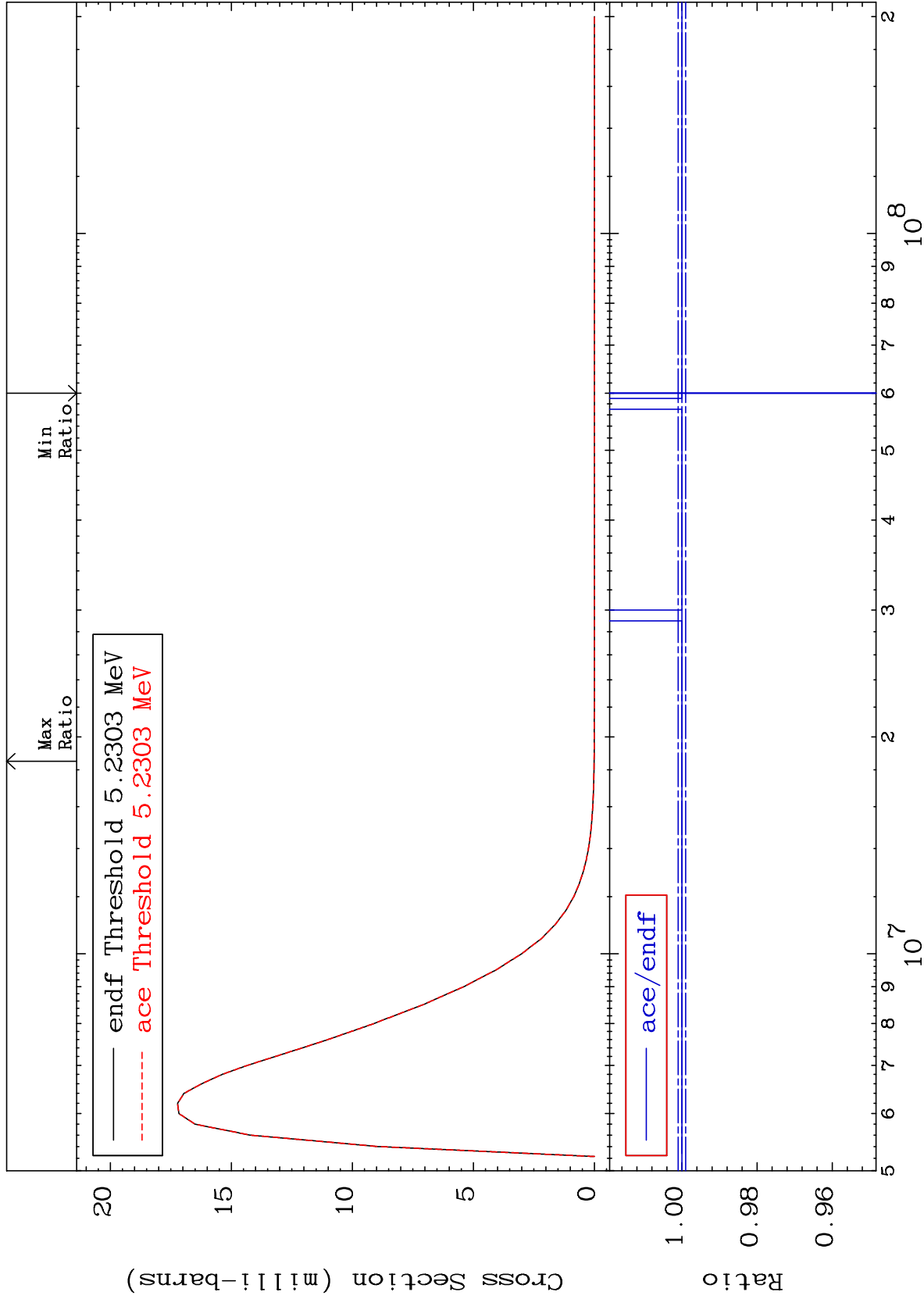
Incident Energy (eV)

15-P -31

MAT 1525

5.065 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



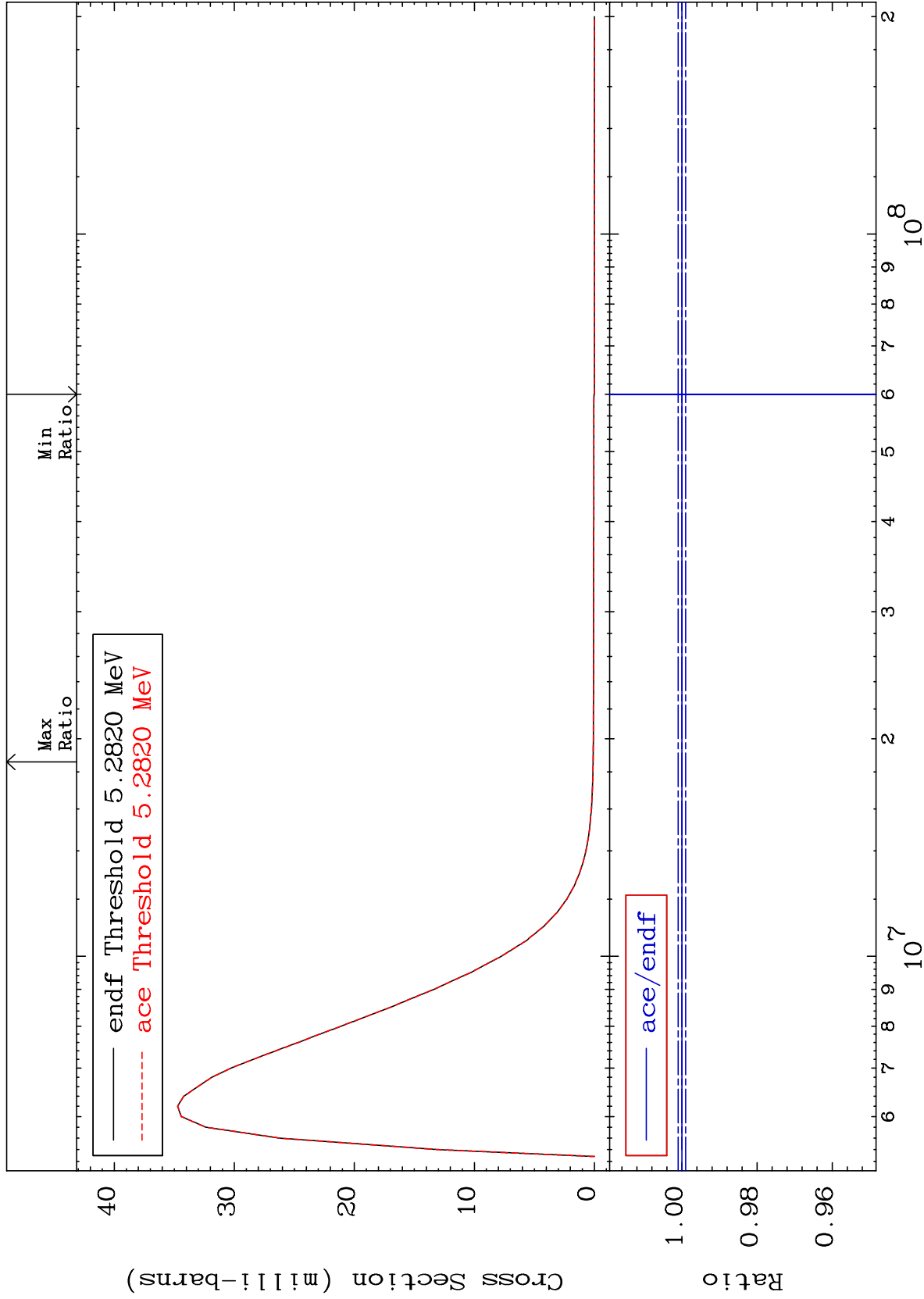
36

15-P -31

MAT 1525

5.115 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



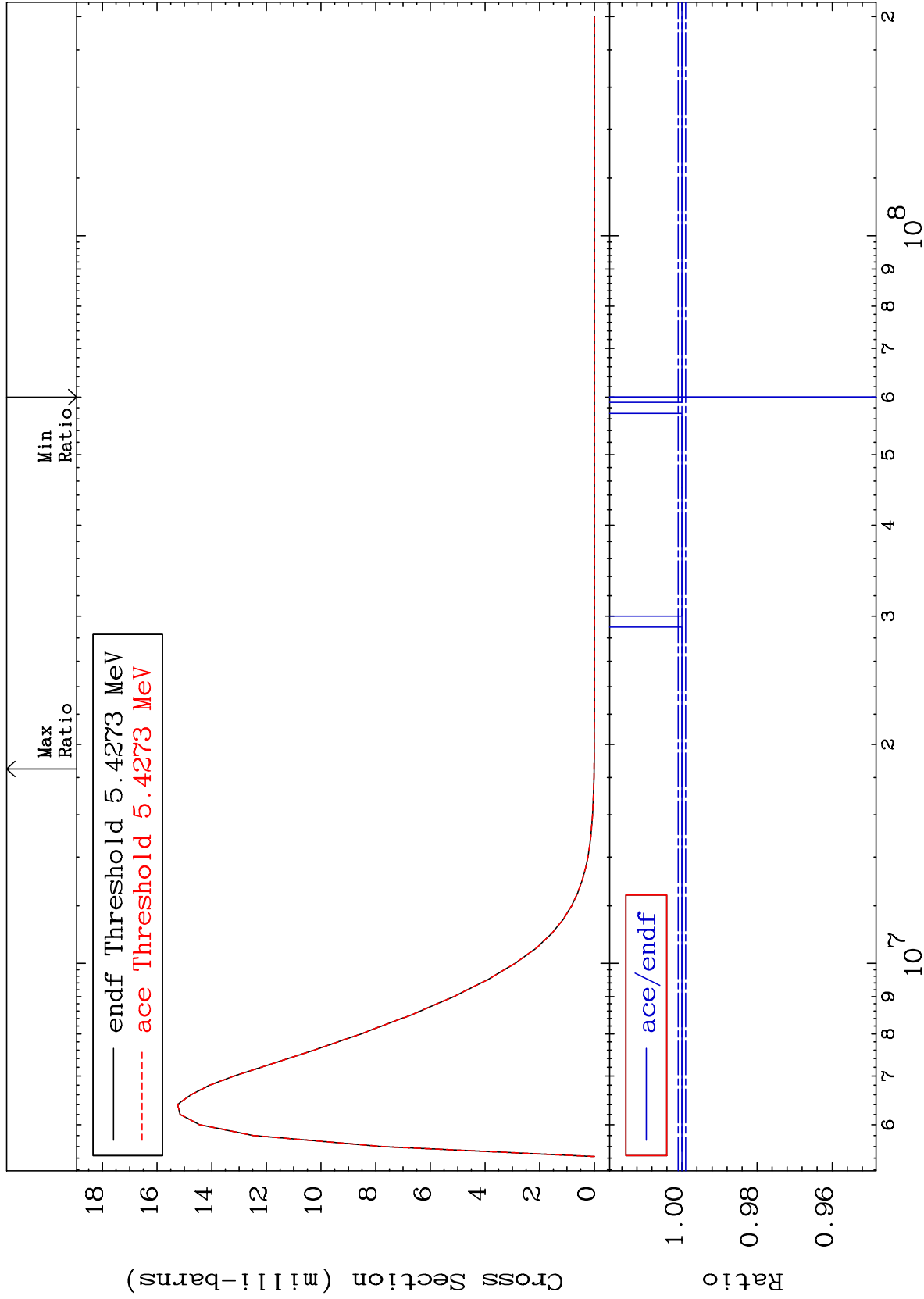
37

15-P -31

MAT 1525

5.256 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



38

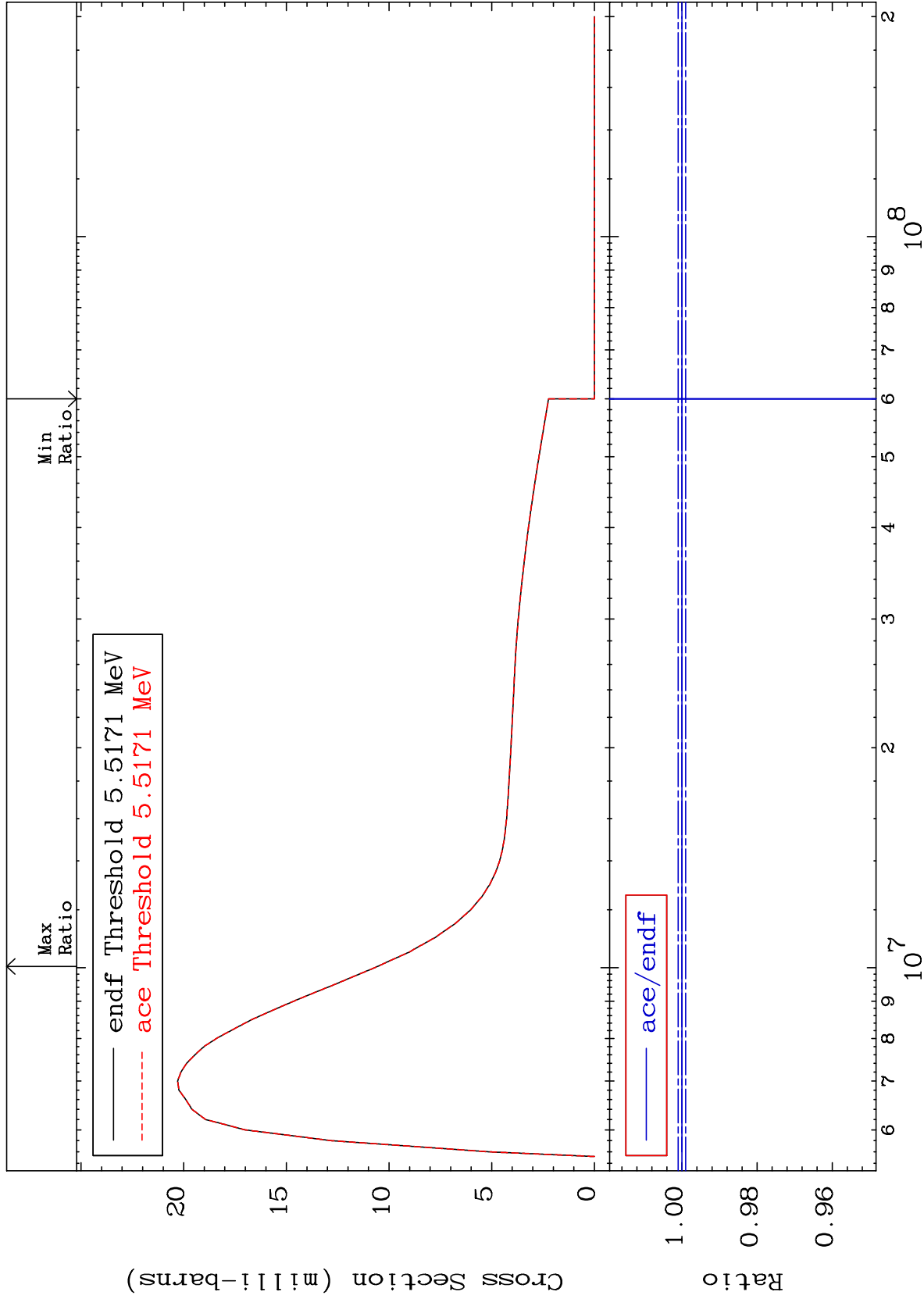
Incident Energy (eV)

15-P -31

MAT 1525

5.343 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



39

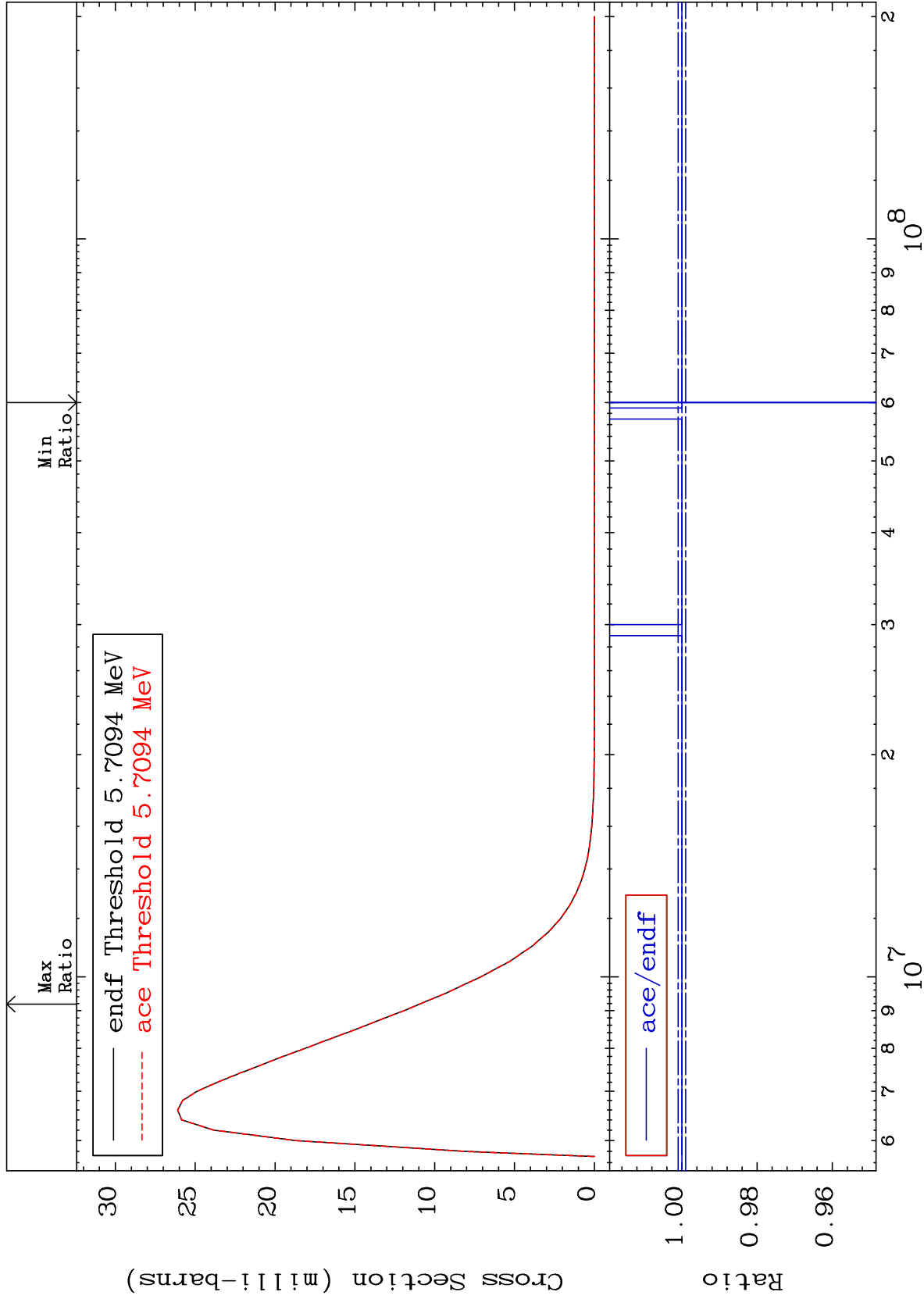
15-P -31



MAT 1525

5.529 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



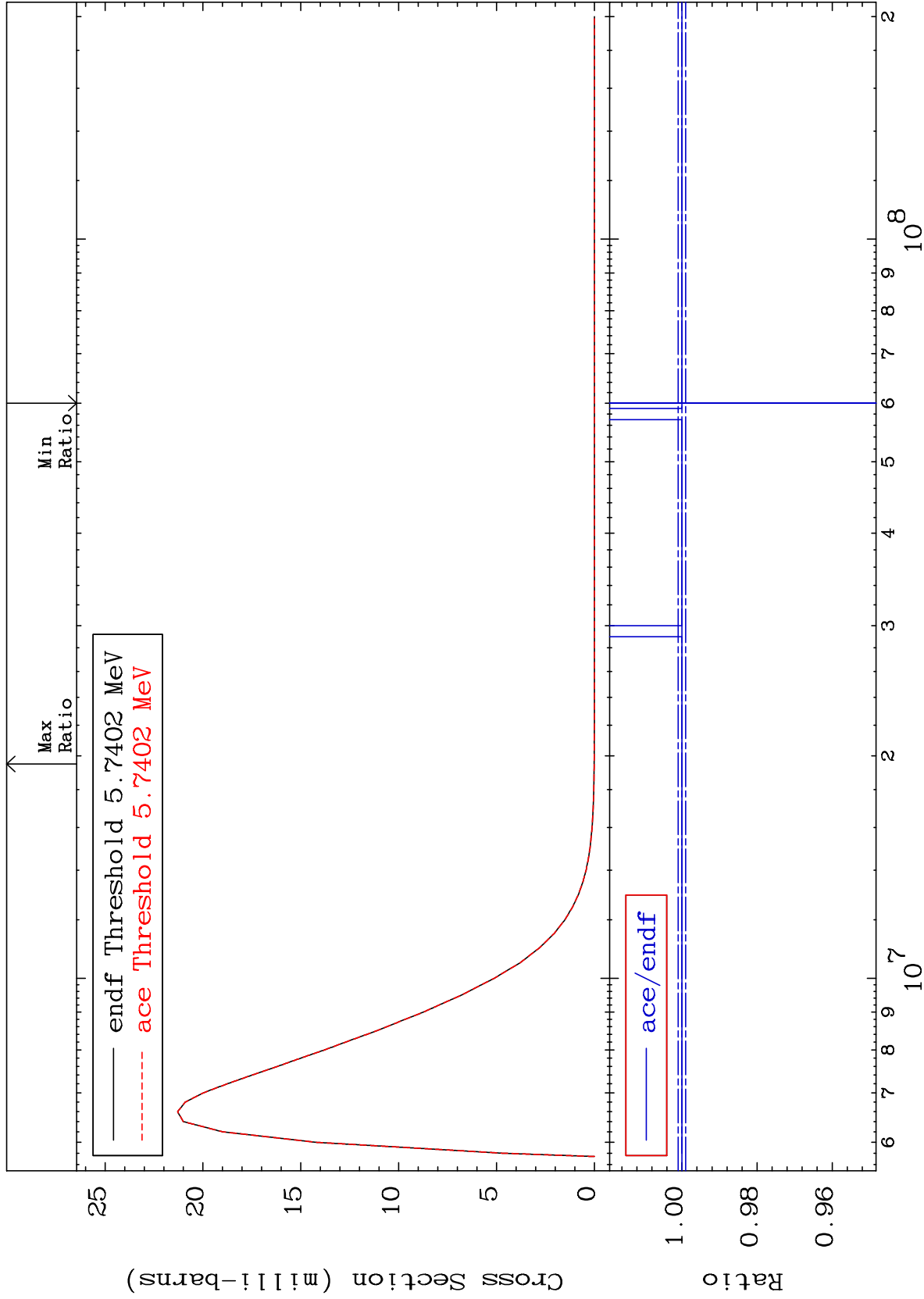
40

15-P -31

MAT 1525

5.559 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



41

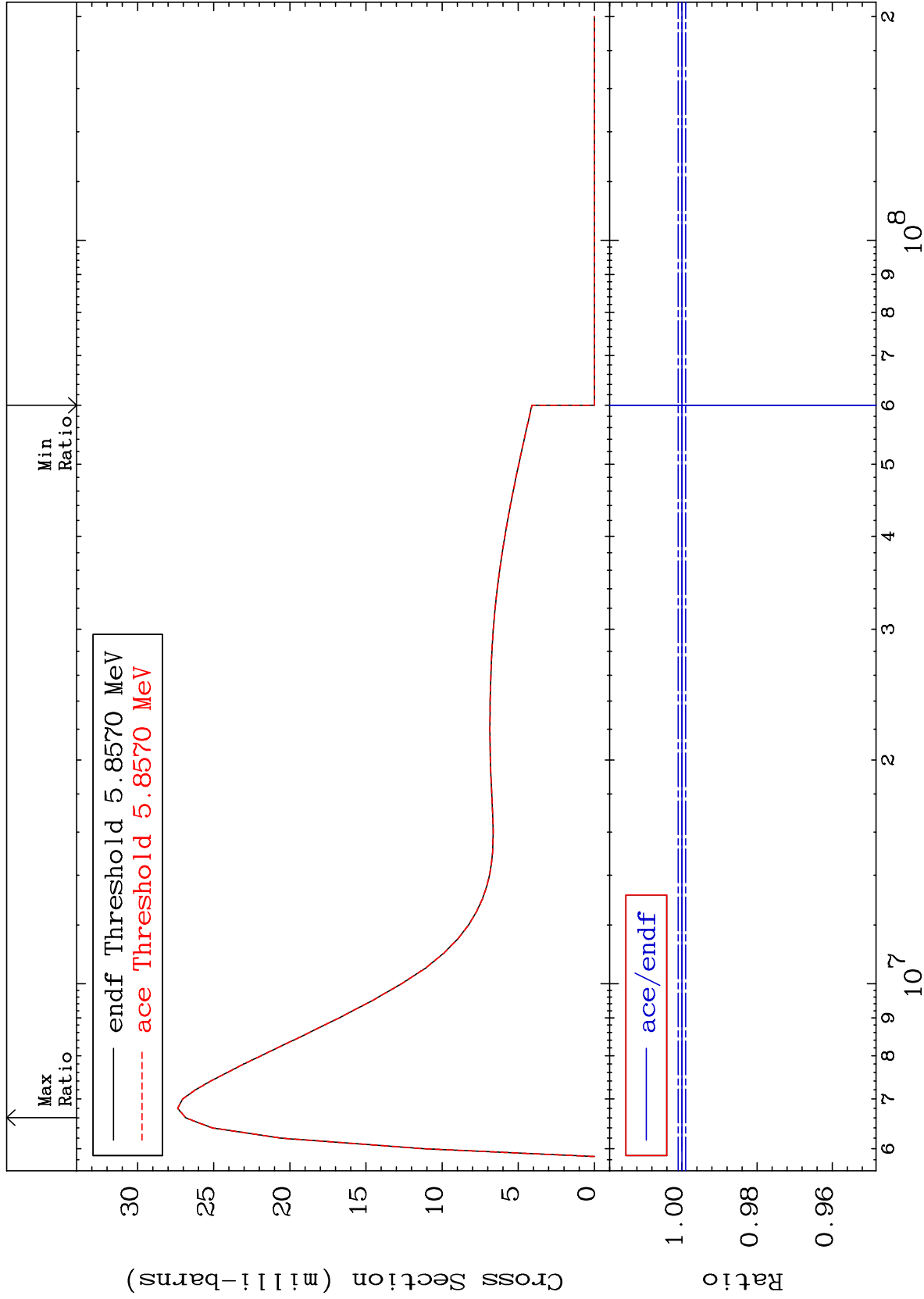
Incident Energy (eV)

15-P -31

MAT 1525

5.672 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



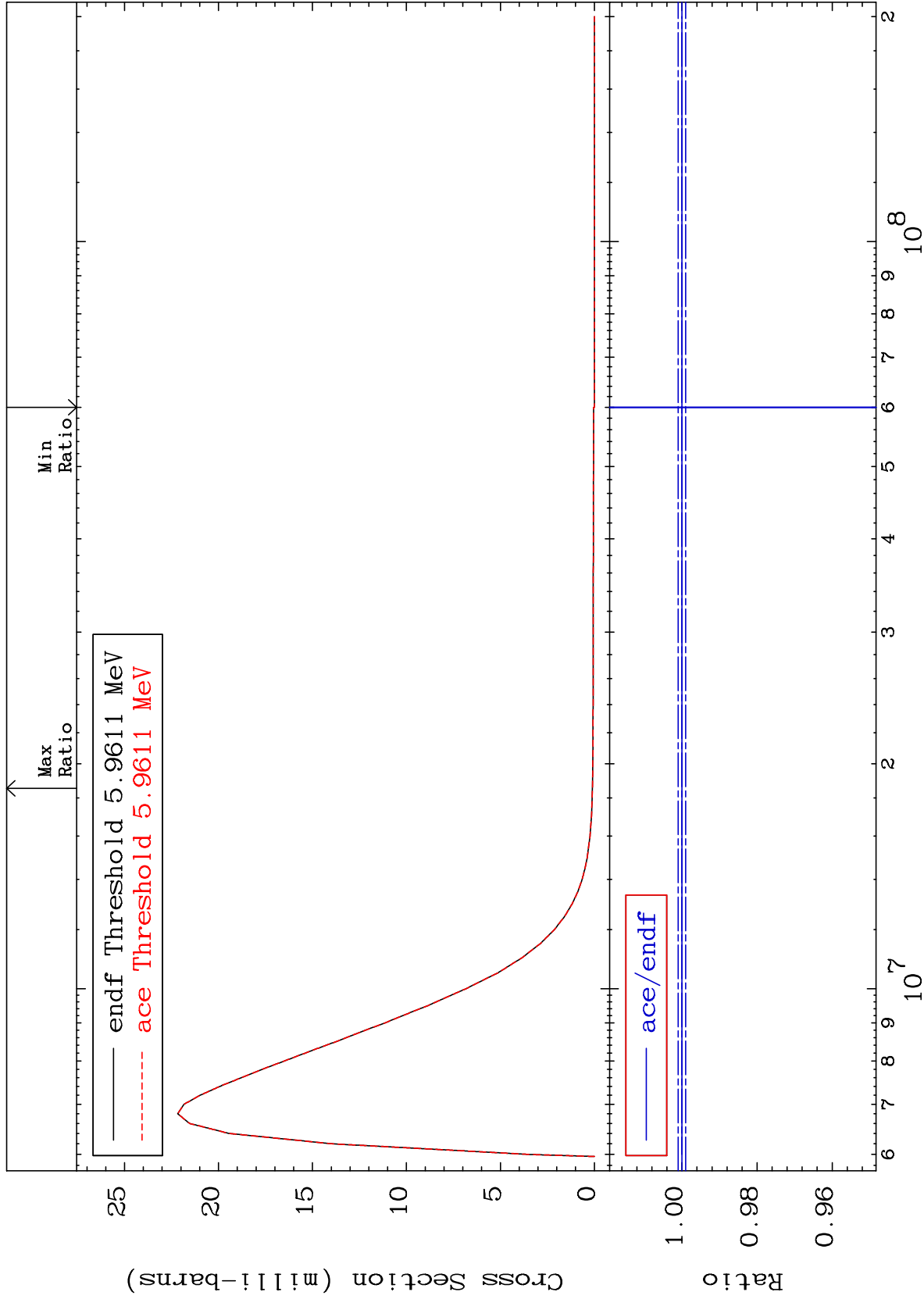
42

15-P -31

MAT 1525

5.773 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



43

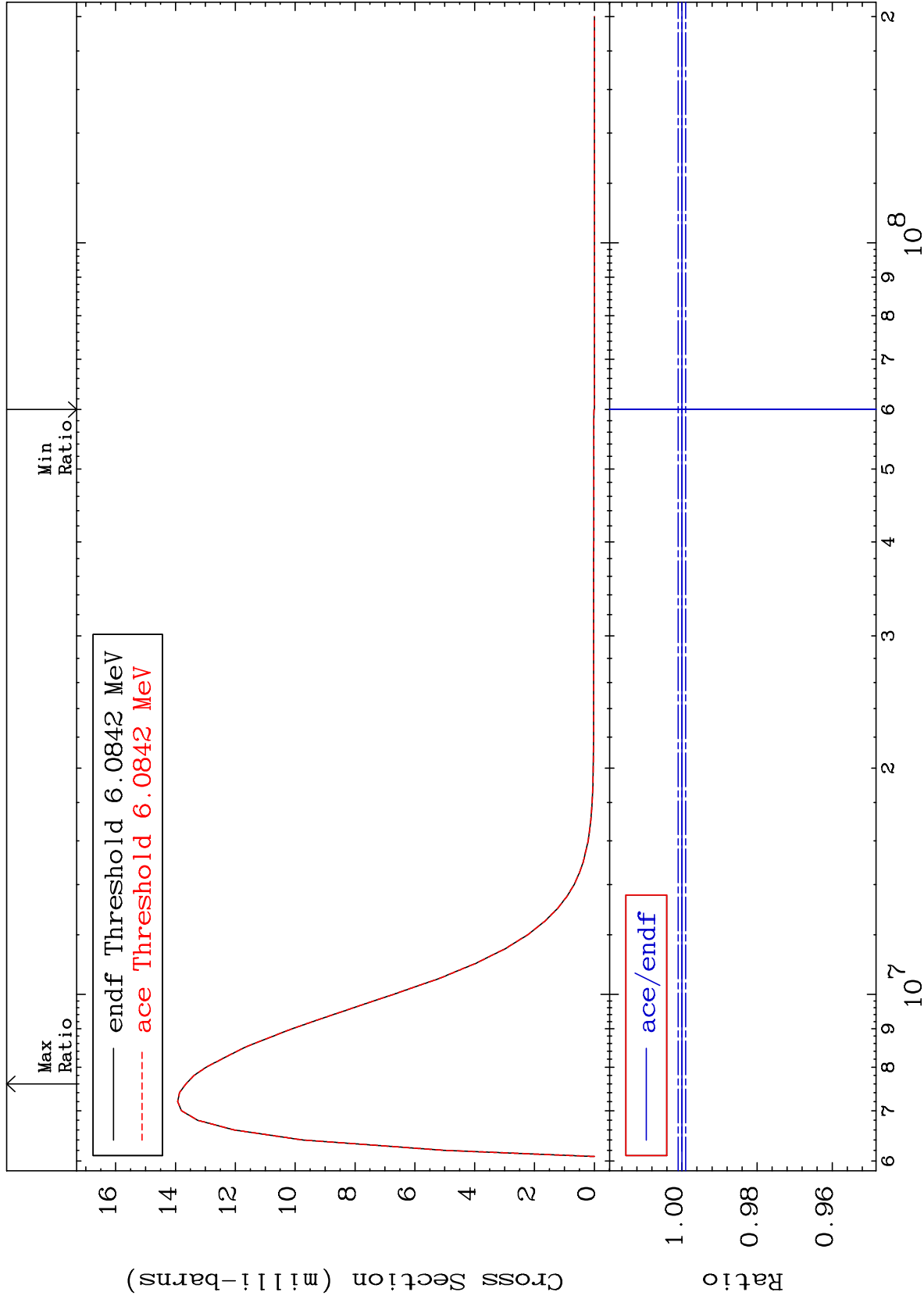
Incident Energy (eV)

15-P -31

MAT 1525

5.892 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



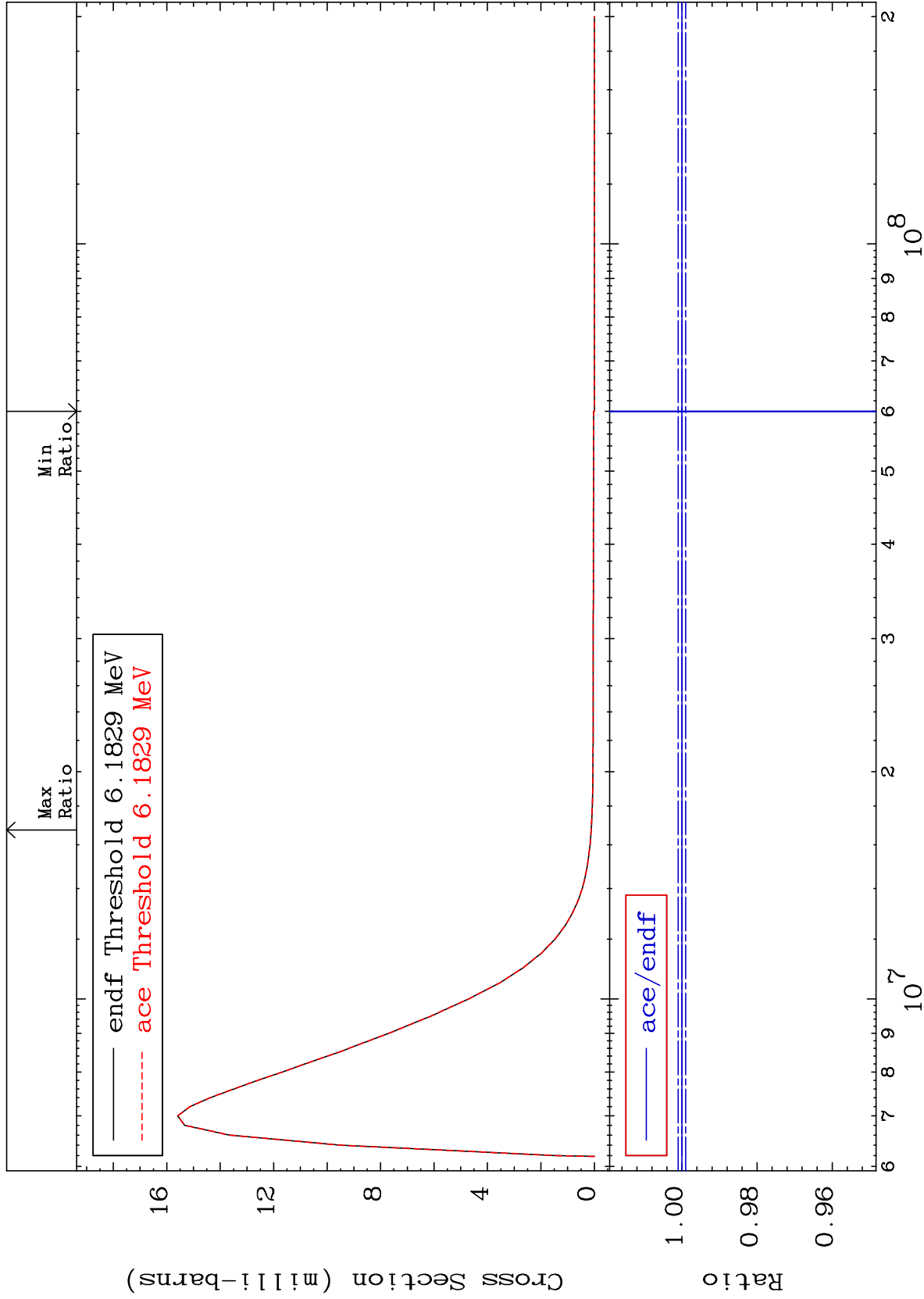
44

15-P -31

MAT 1525

5.988 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



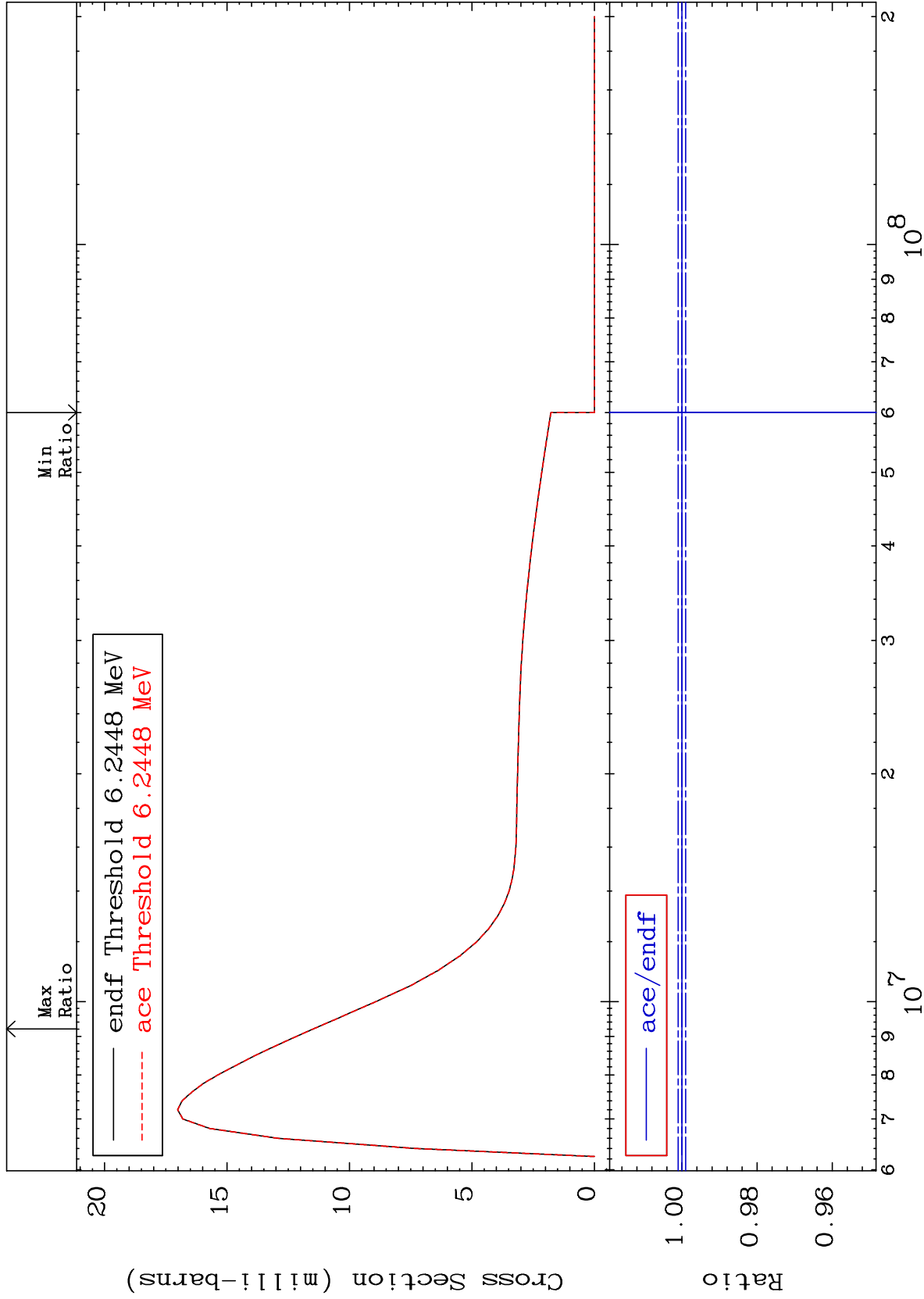
45

15-P -31

MAT 1525

6.048 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



46

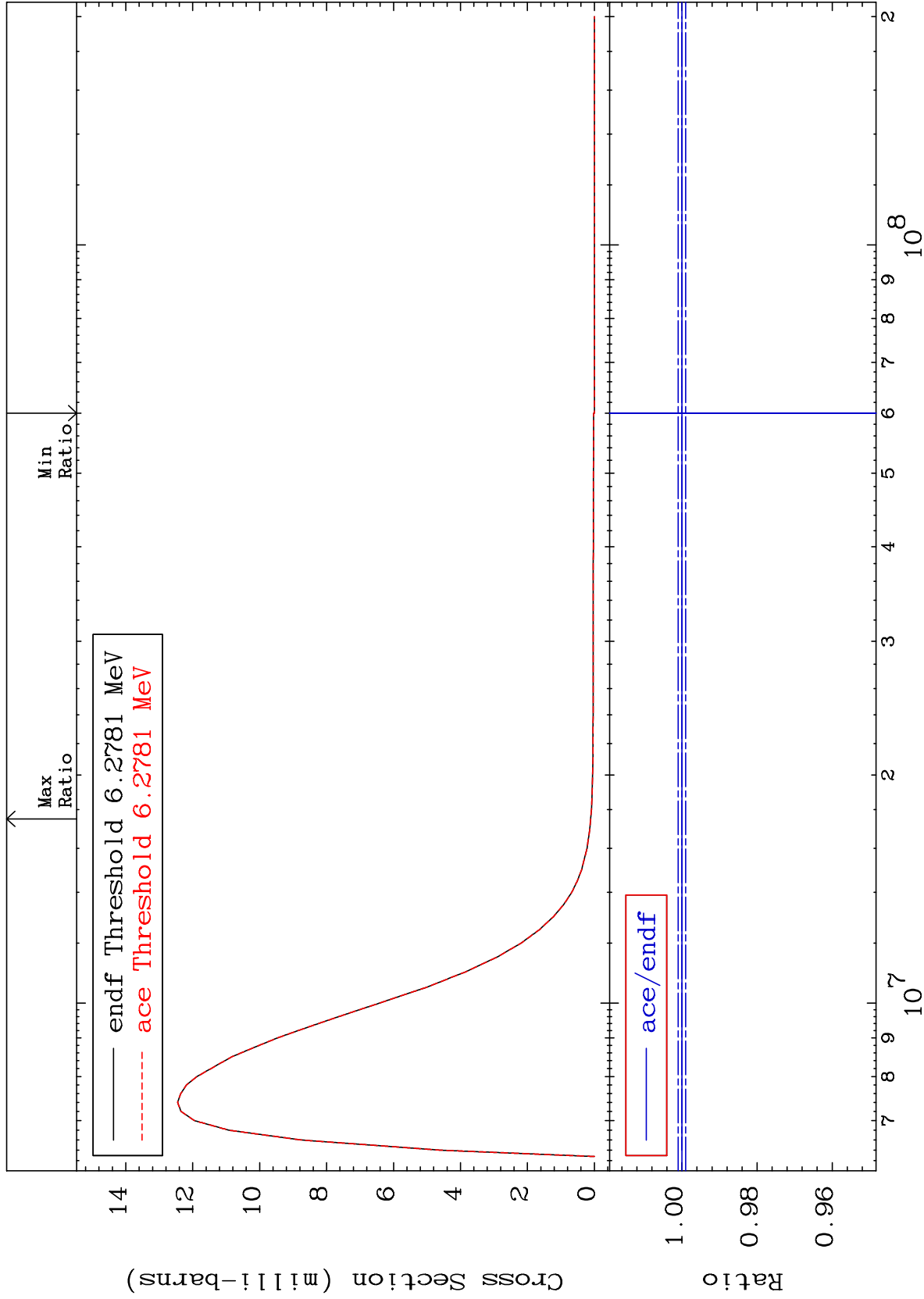
Incident Energy (eV)

15-P -31

MAT 1525

6.080 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



47

Incident Energy (eV)

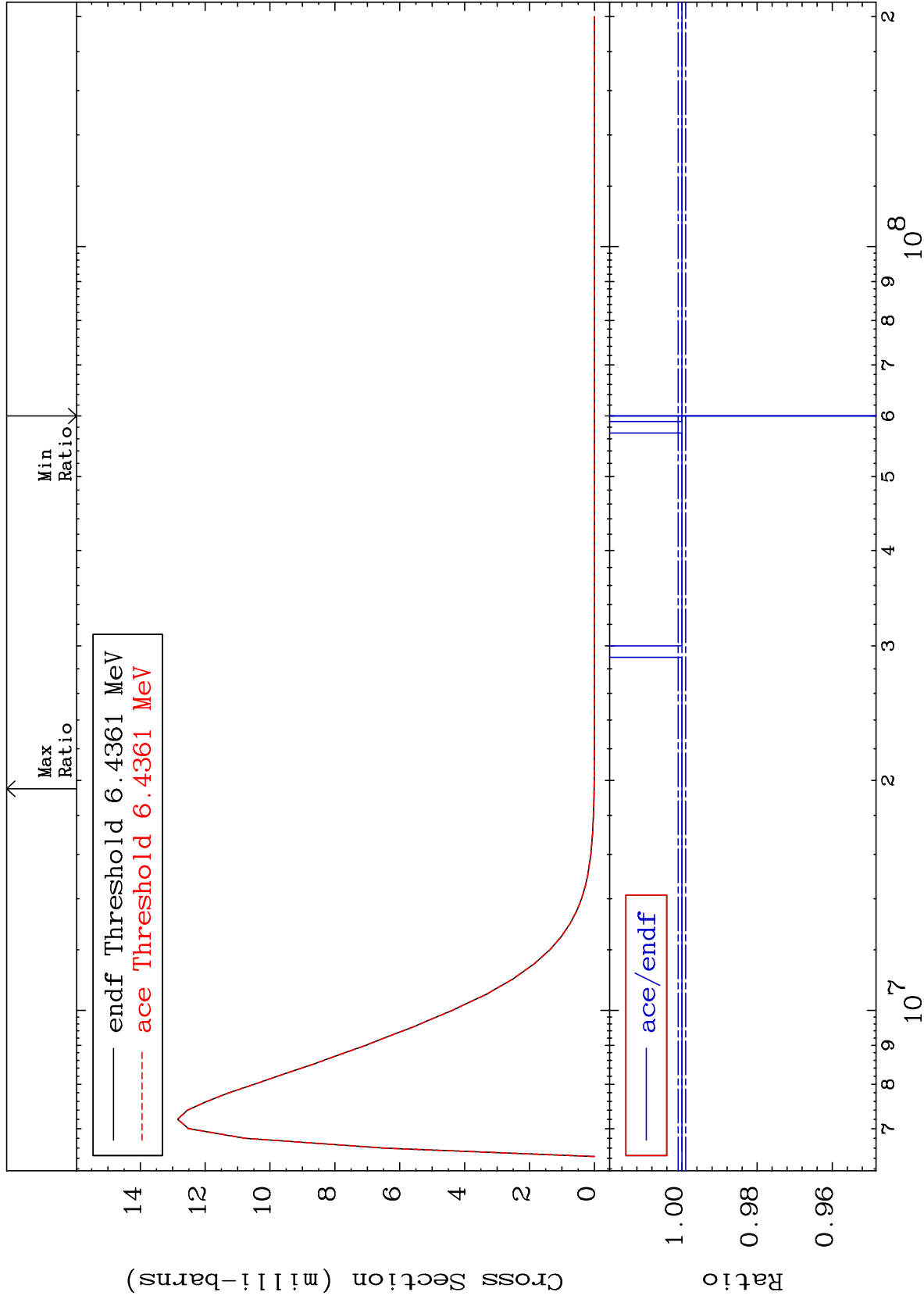
15-P -31



MAT 1525

6.233 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



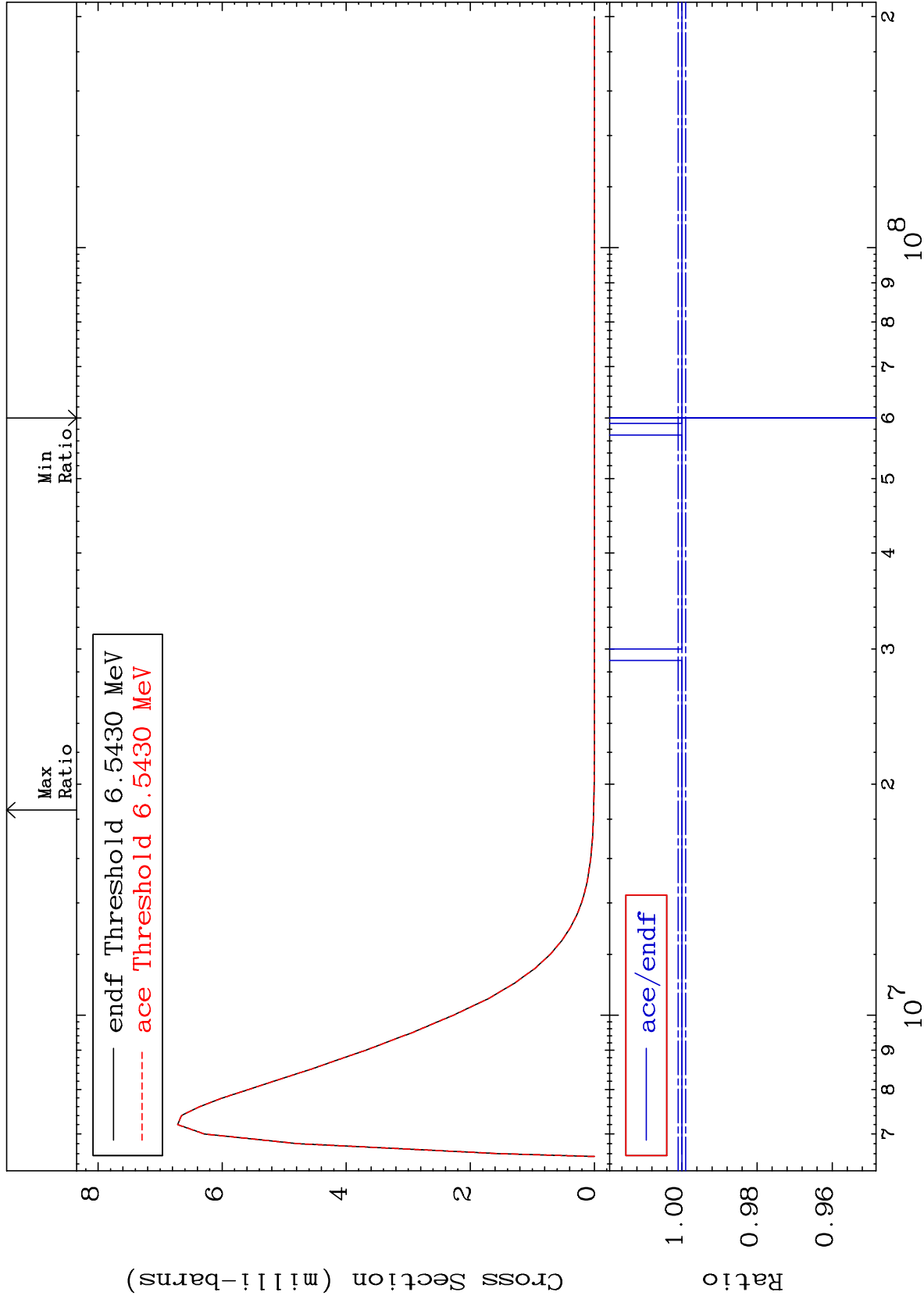
48

15-P -31

MAT 1525

6.337 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



49

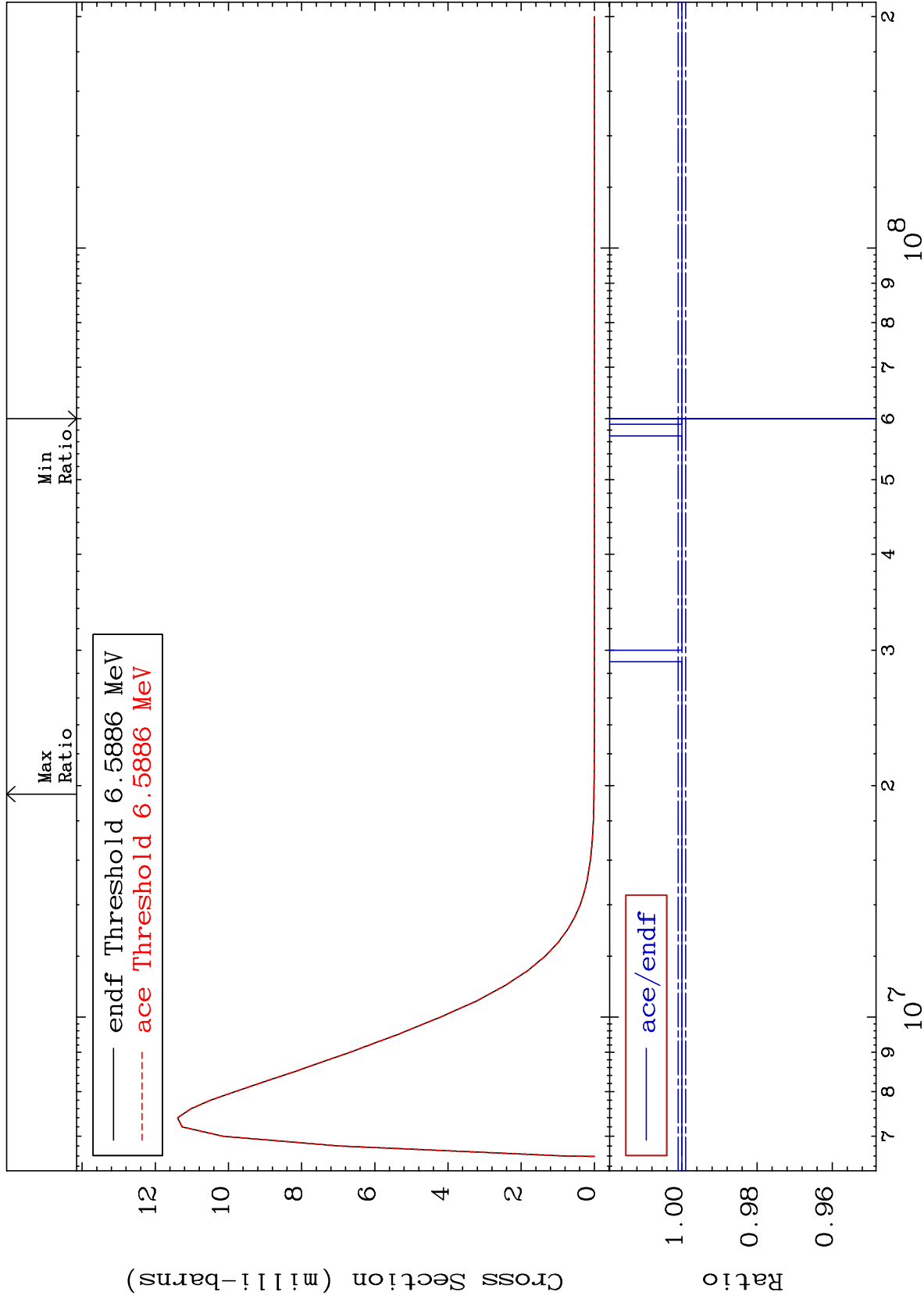
Incident Energy (eV)

15-P -31

MAT 1525

6.381 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



50

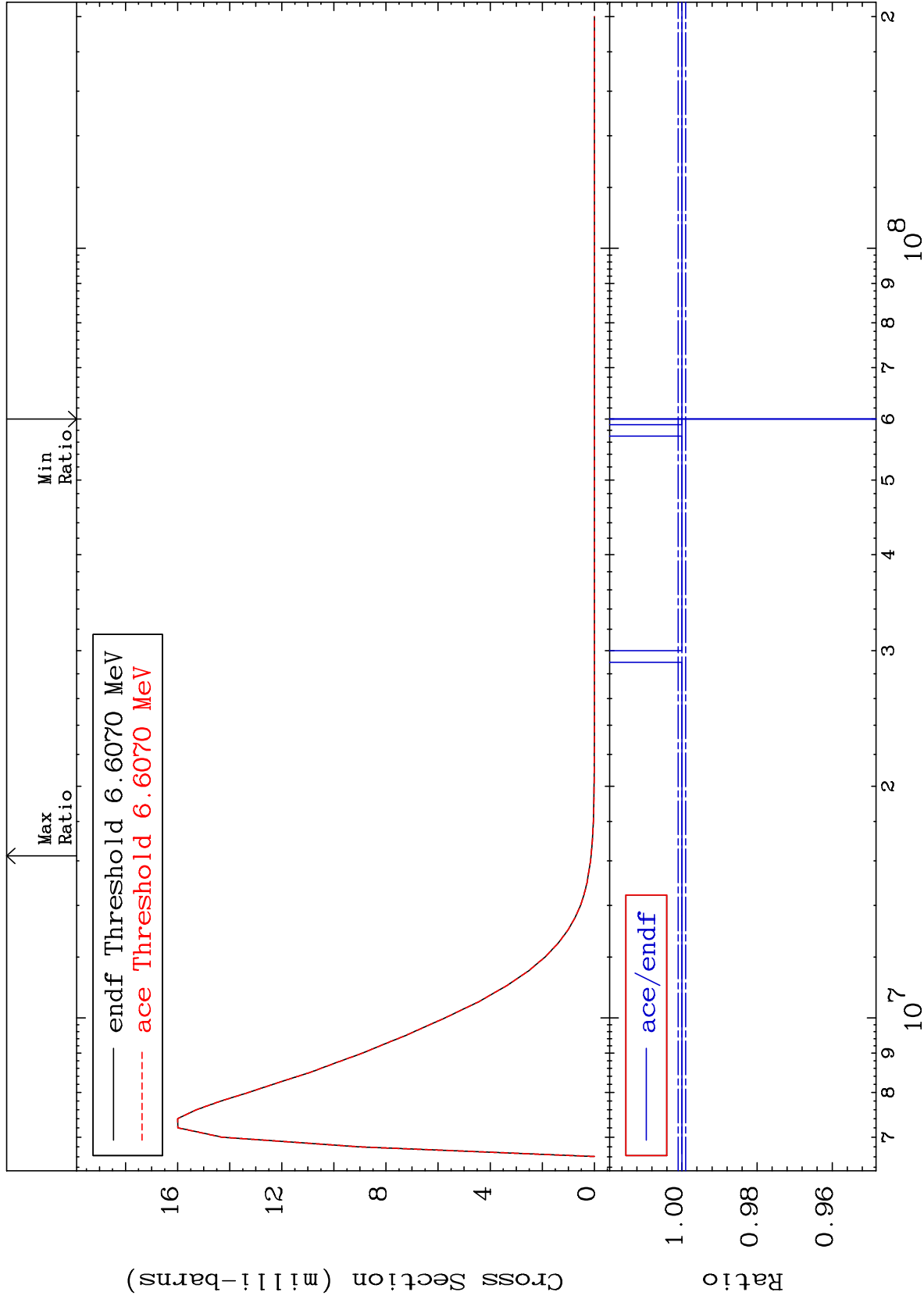
Incident Energy (eV)

15-P -31

MAT 1525

6.399 MeV (n,n') Level  
Cross Section

15-P -31  
-100.0 To 0.000 %



51

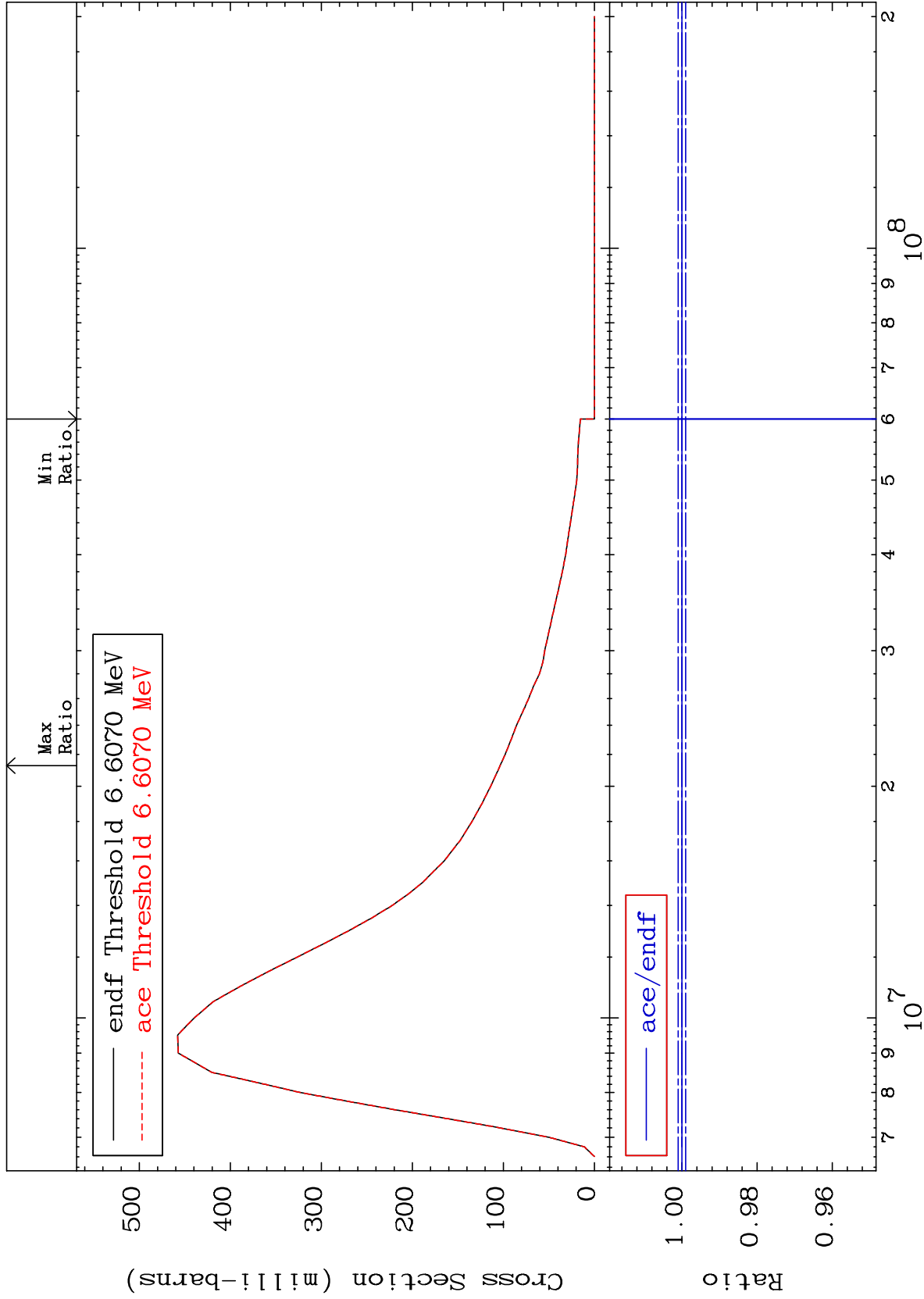
Incident Energy (eV)

15-P -31

MAT 1525

(n,n') Continuum  
Cross Section

15-P -31  
-100.0 To 0.000 %



52

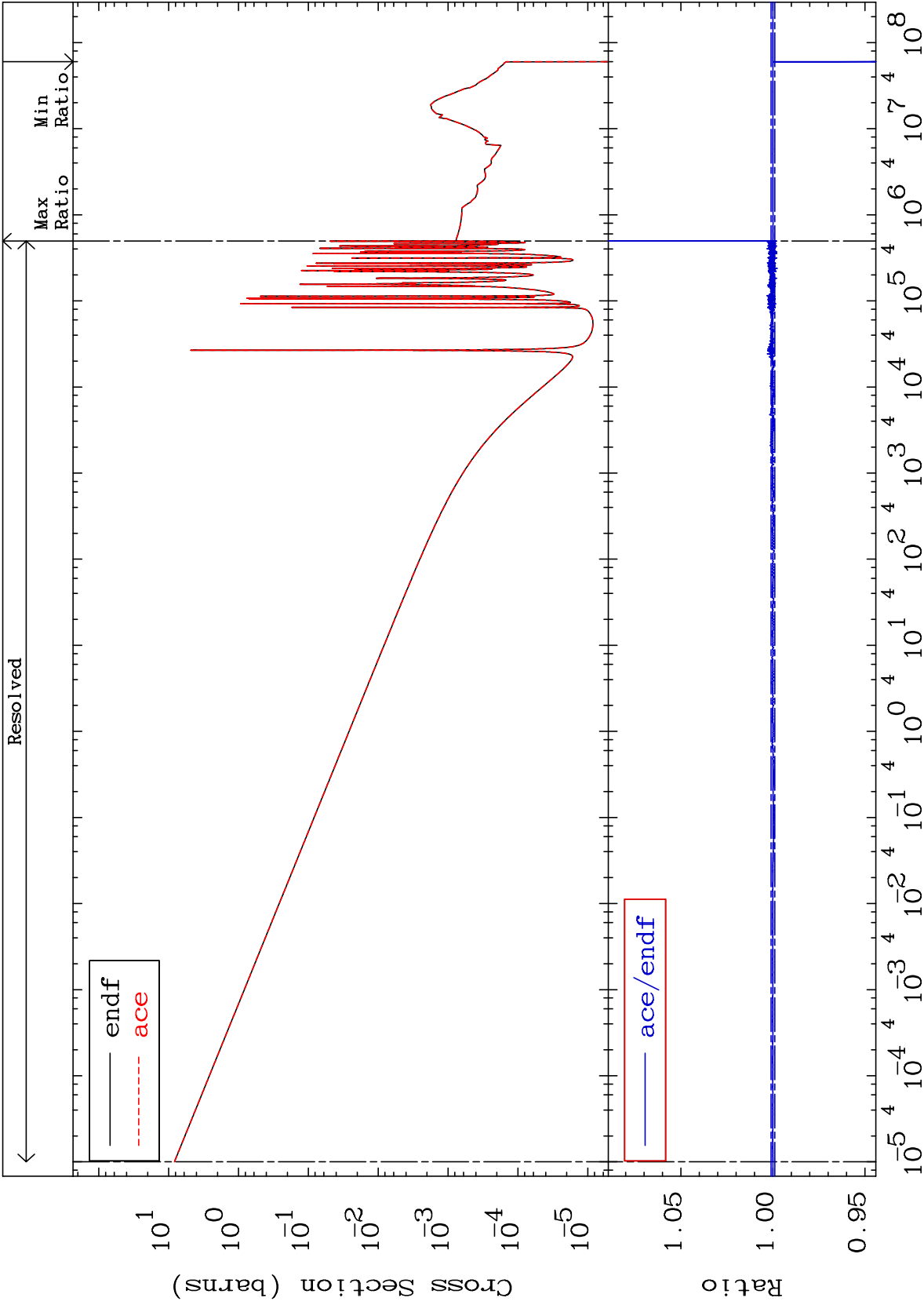
Incident Energy (eV)

15-P -31

MAT 1525

(n,  $\gamma$ )  
Cross Section

15-P -31  
-100.0 To 13.53 %



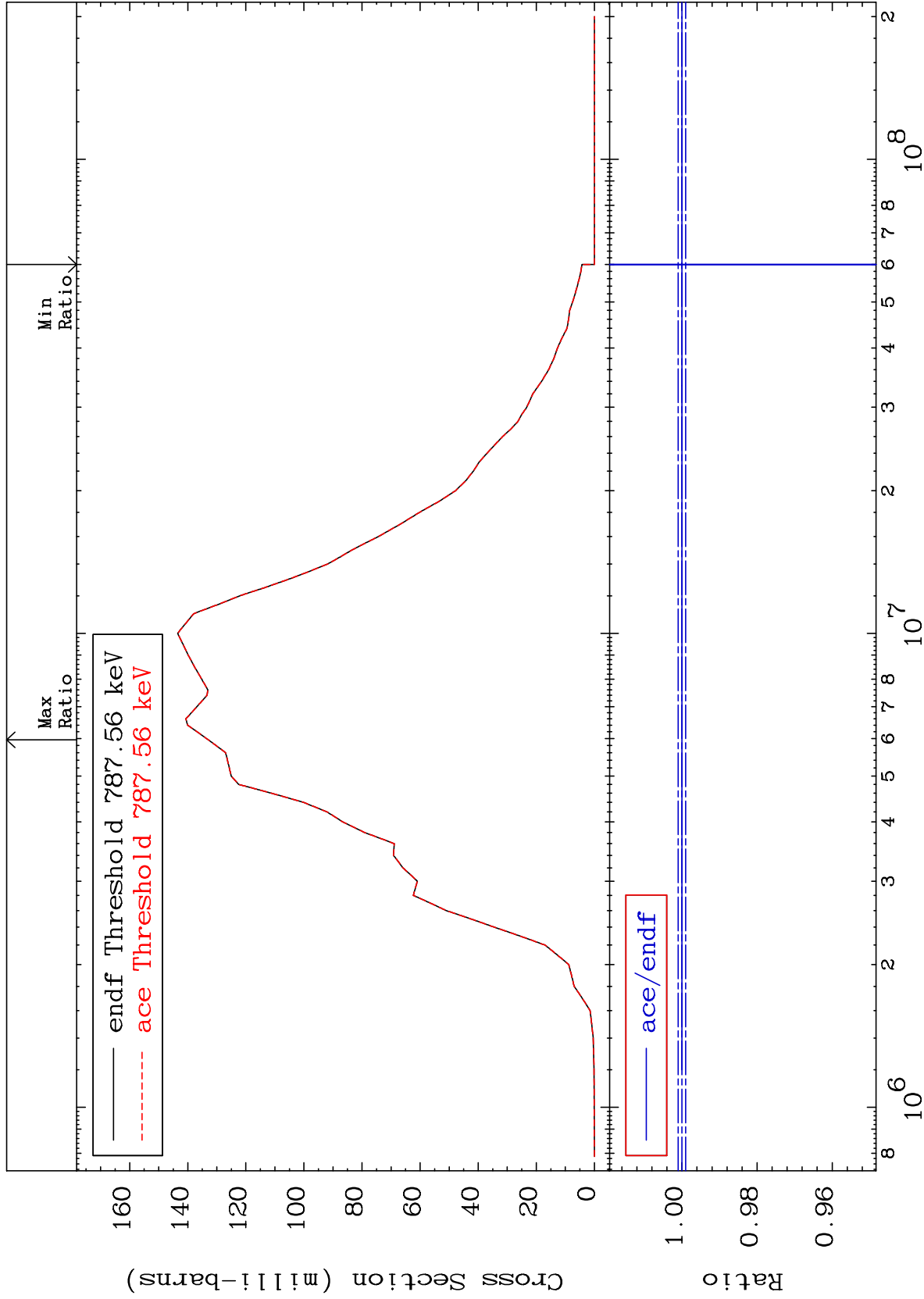
MAT 1525

(n,p)

15-P -31

Cross Section

-100.0 To 0.000 %



54

Incident Energy (eV)

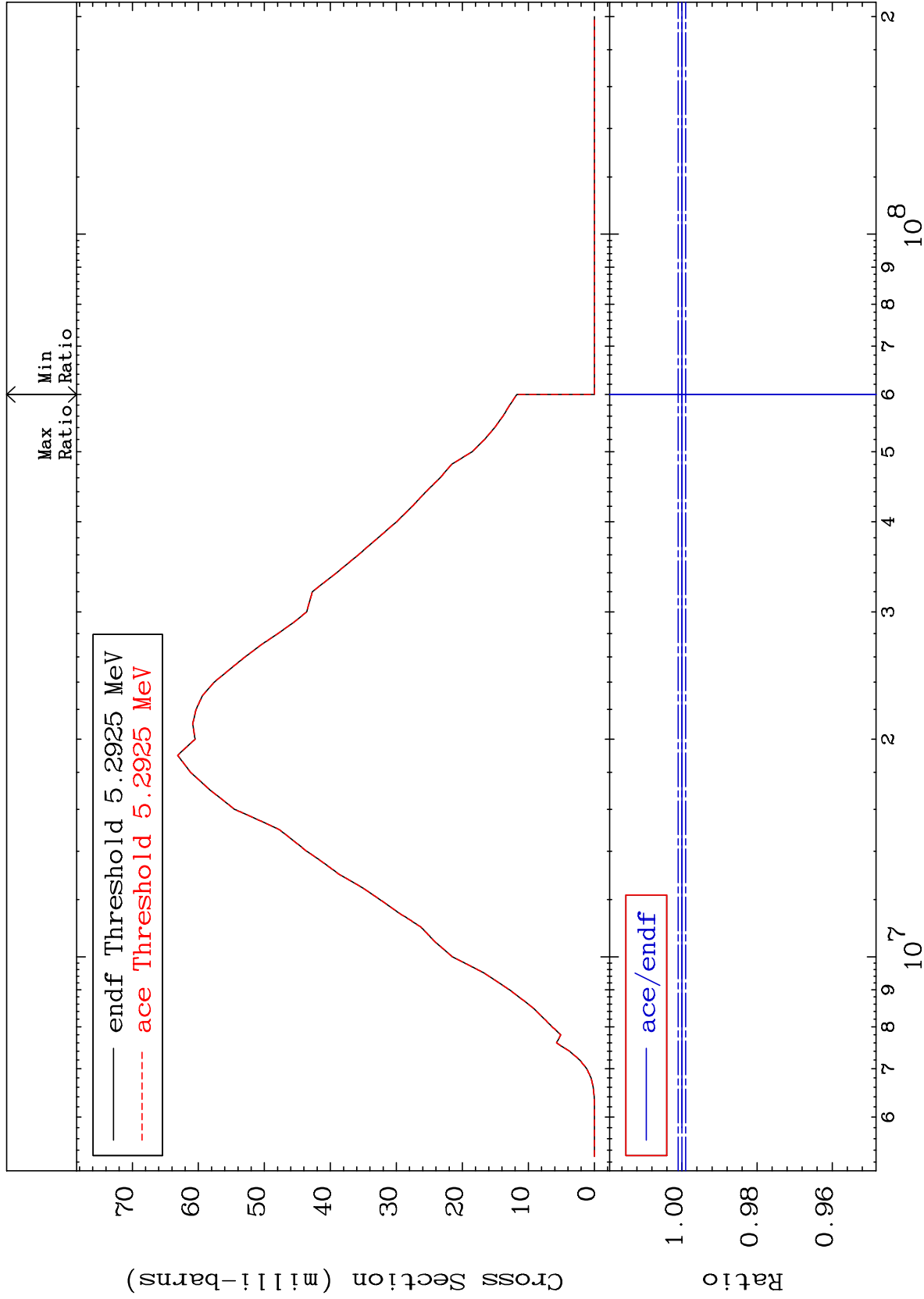
15-P -31

MAT 1525

(n, d)

Cross Section

15-P -31  
-100.0 To 0.000 %



55

Incident Energy (eV)

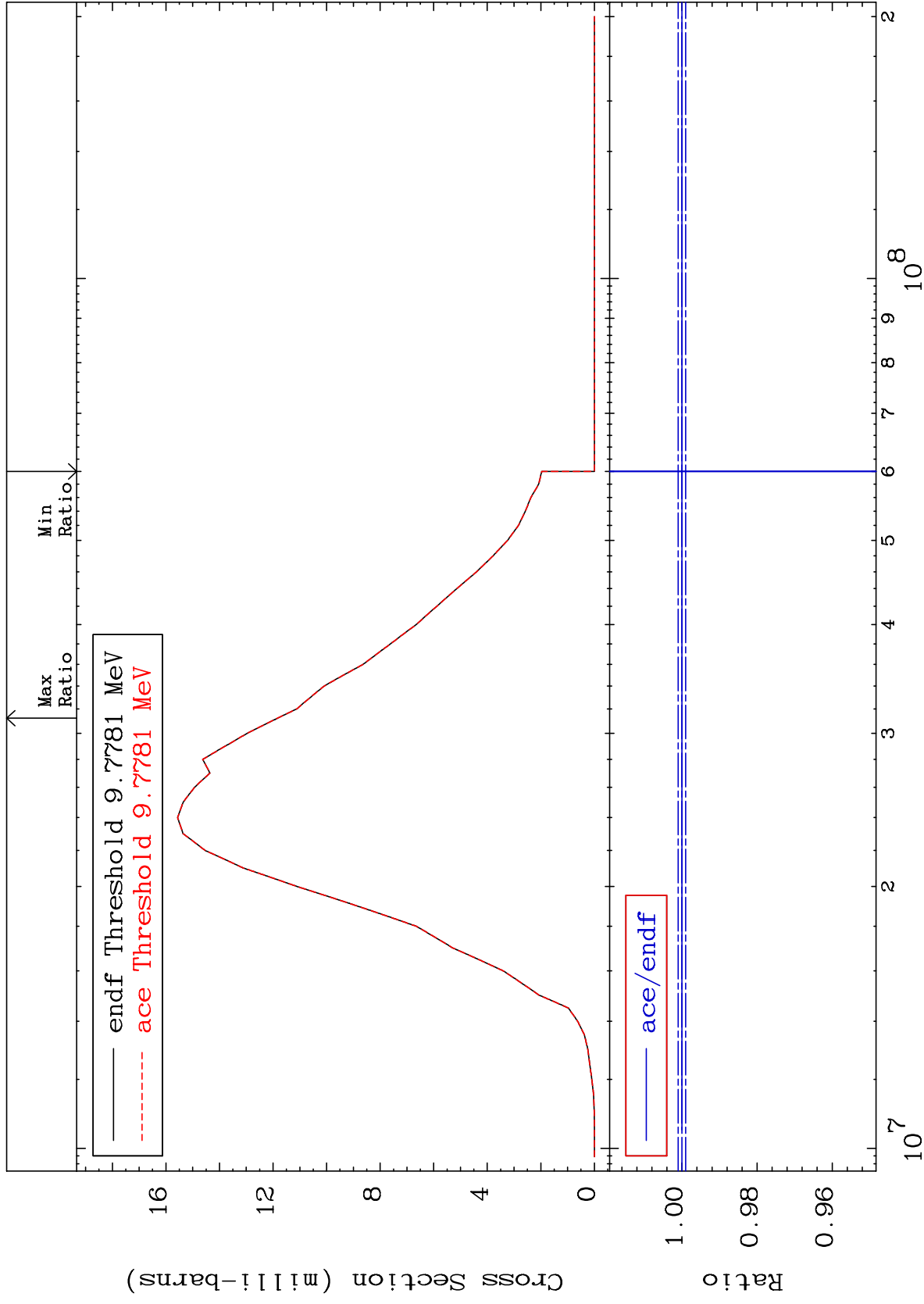
15-P -31



MAT 1525

15-P -31  
-100.0 To 0.000 %

(n,t)  
Cross Section



— endf Threshold 9.7781 MeV  
- - - ace Threshold 9.7781 MeV

— ace/endf

56

Incident Energy (eV)

15-P -31

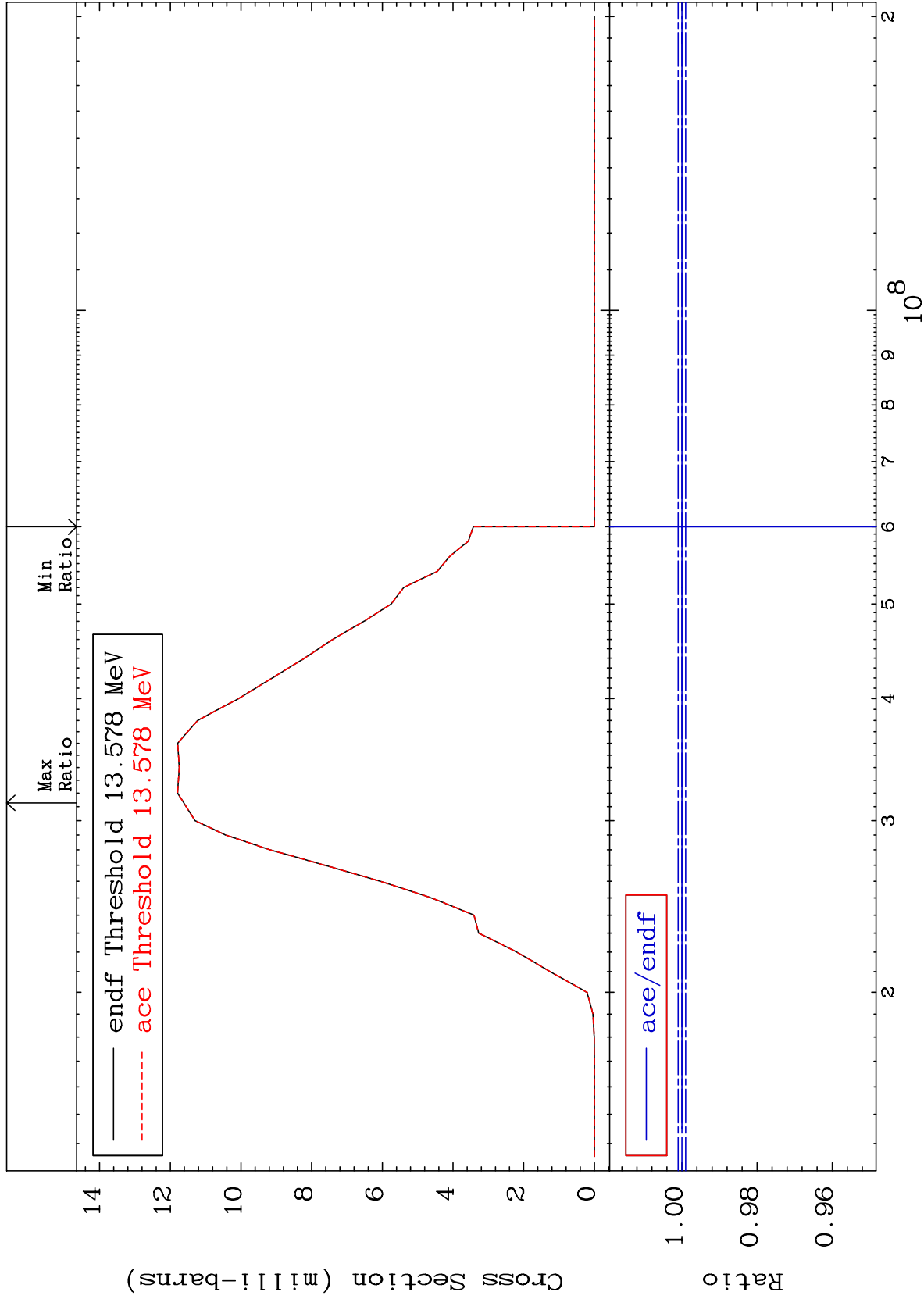
MAT 1525

(n, He-3)

15-P -31

Cross Section

-100.0 To 0.000 %



57

Incident Energy (eV)

15-P -31

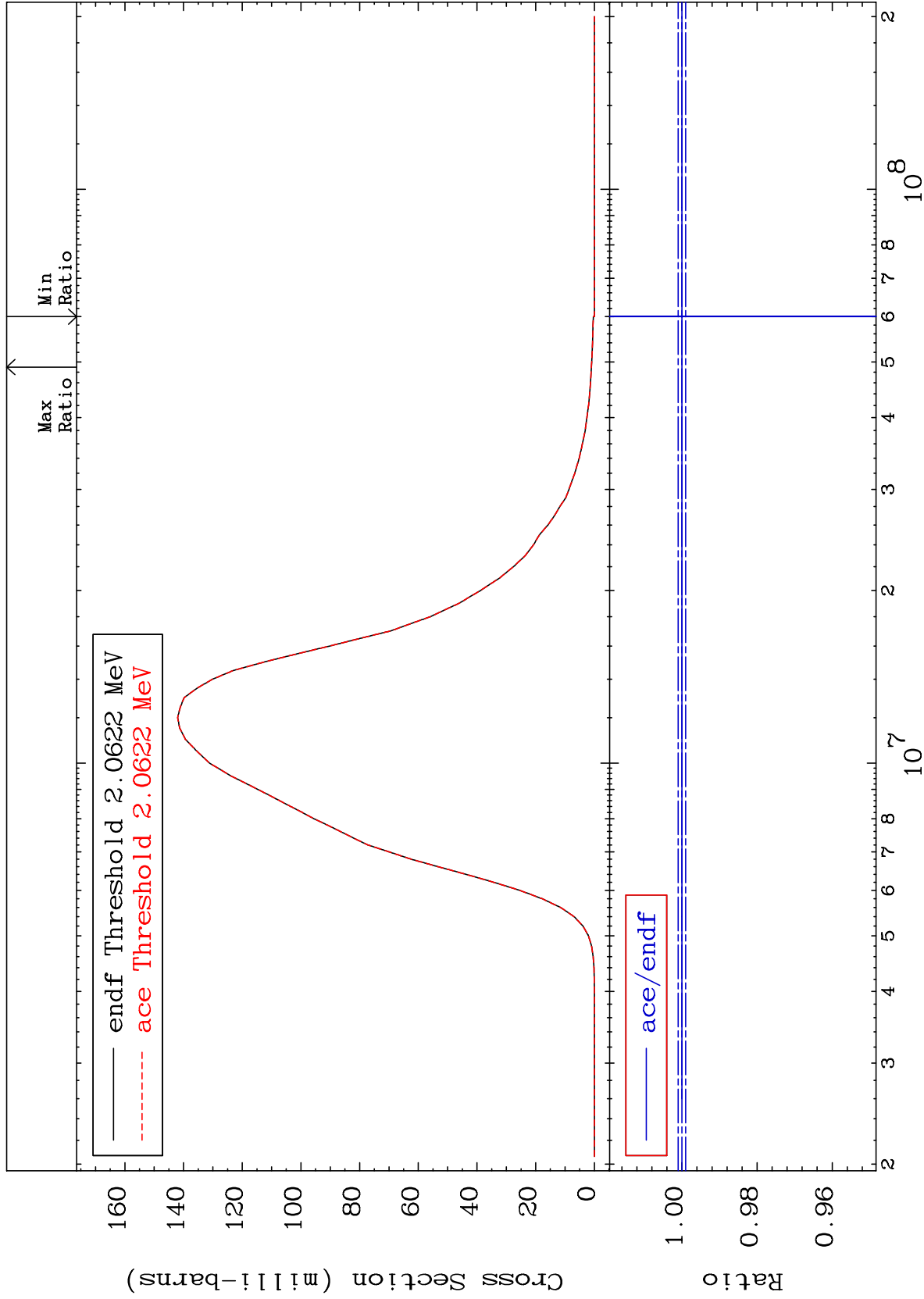
MAT 1525

(n,  $\alpha$ )

15-P -31

Cross Section

-100.0 To 0.000 %



58

Incident Energy (eV)

15-P -31

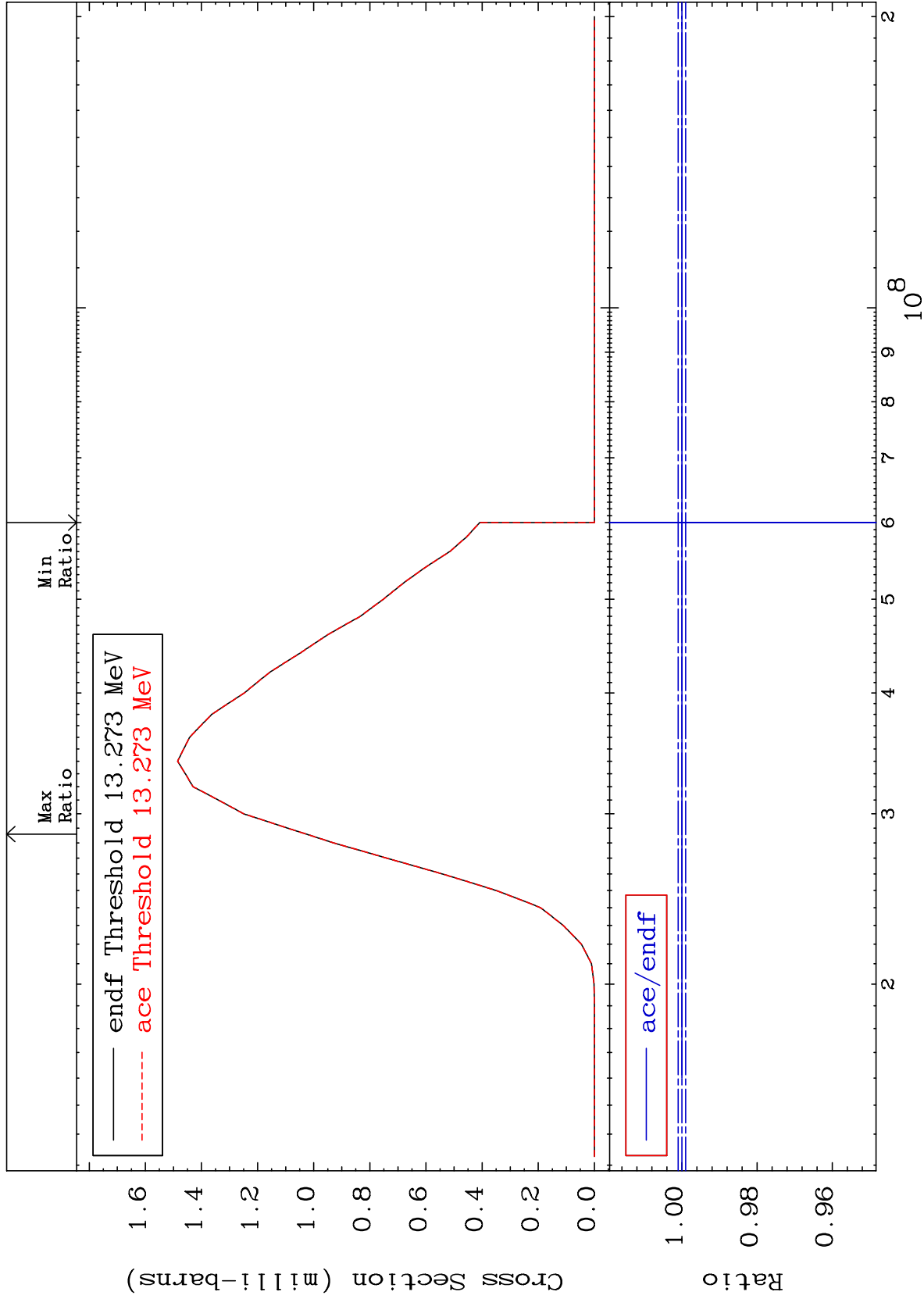
MAT 1525

(n, 2α)

15-P -31

Cross Section

-100.0 To 0.000 %



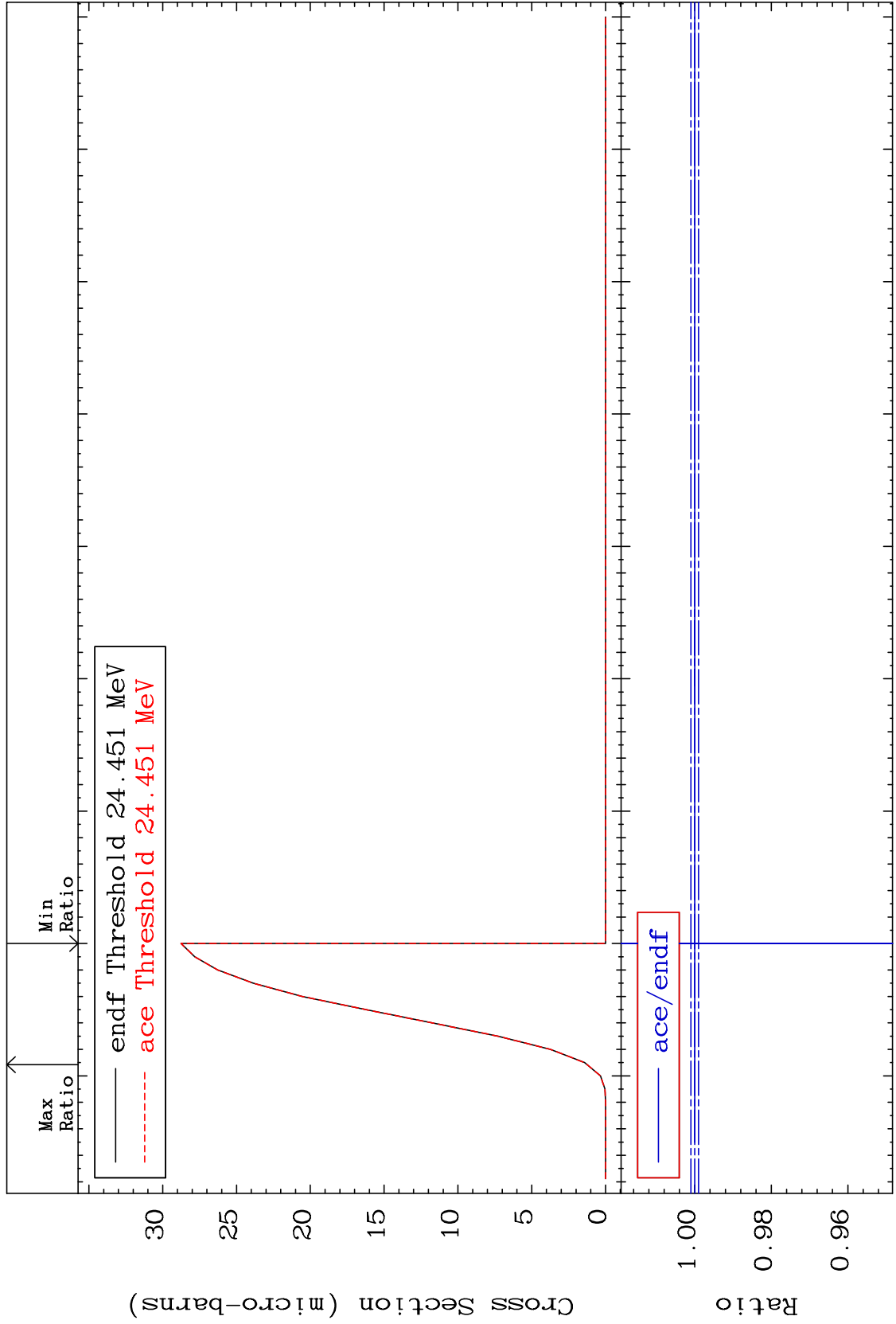
MAT 1525

(n, 3α)

15-P -31

Cross Section

-100.0 To 0.000 %



60

Incident Energy (MeV)

15-P -31

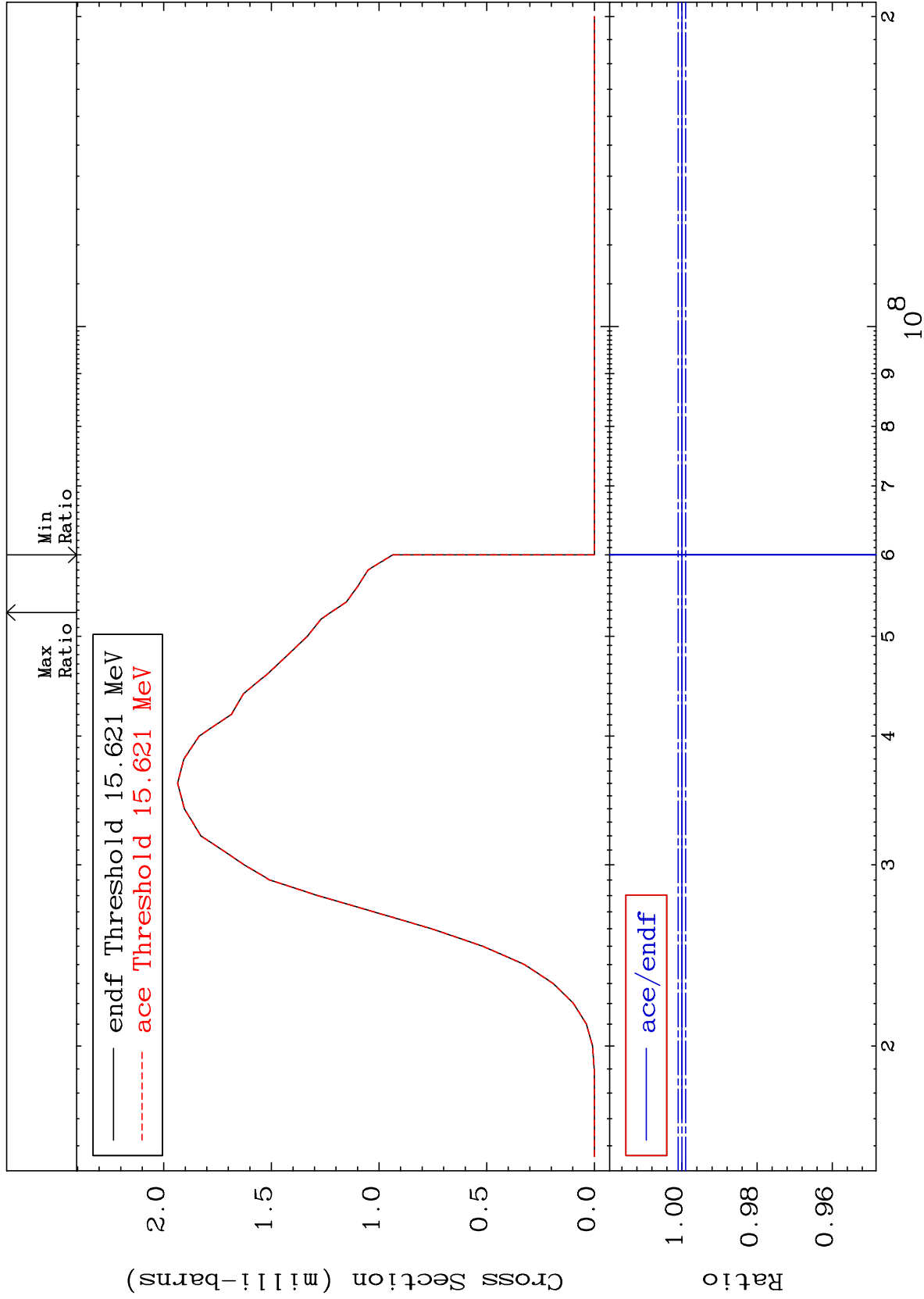
MAT 1525

(n,2p)

15-P -31

-100.0 To 0.000 %

Cross Section



61

Incident Energy (eV)

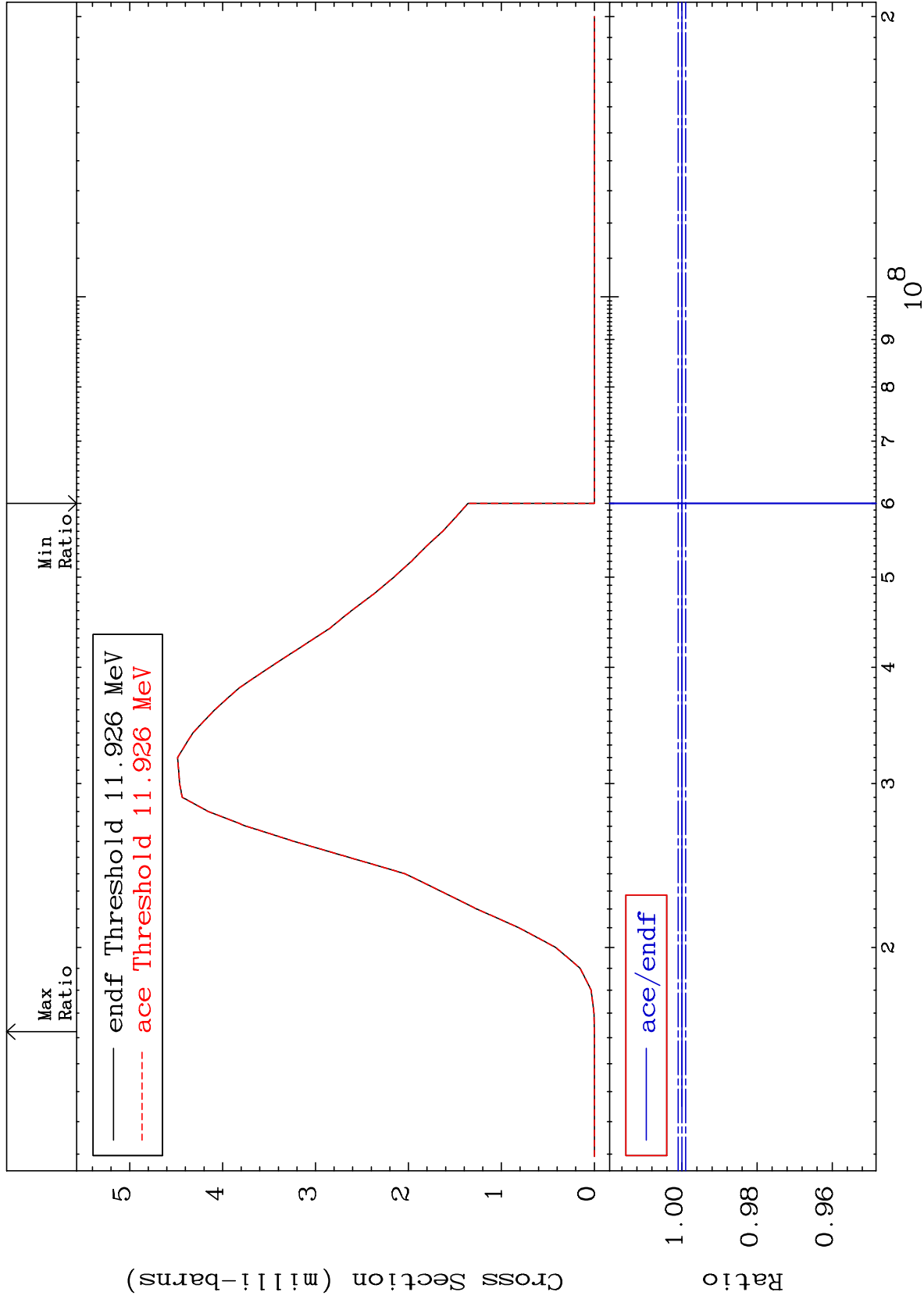
15-P -31

MAT 1525

(n,p)  $\alpha$

Cross Section

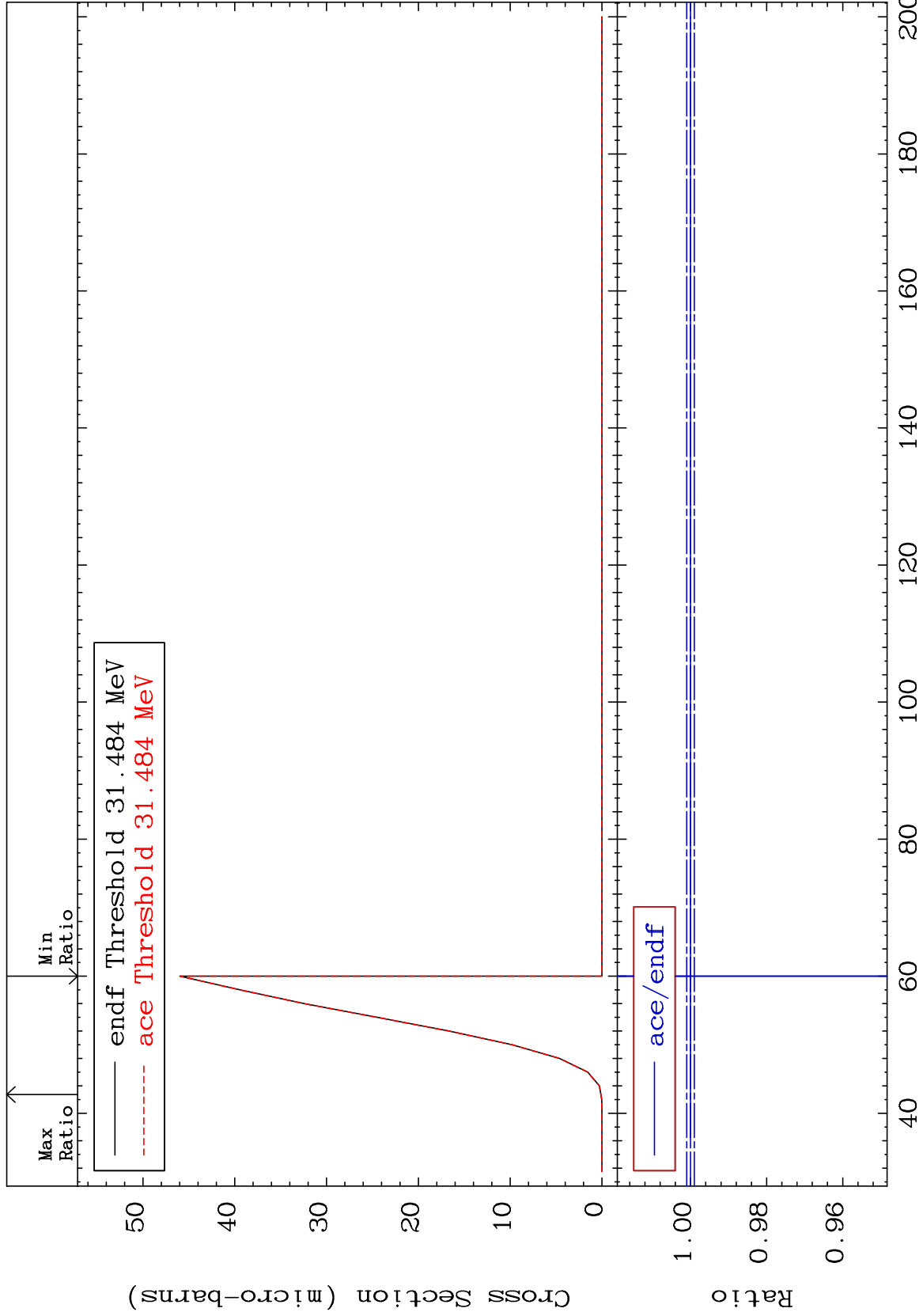
15-P -31  
-100.0 To 0.000 %



MAT 1525

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

15-P -31  
-100.0 To 0.000 %



63

Incident Energy (MeV)

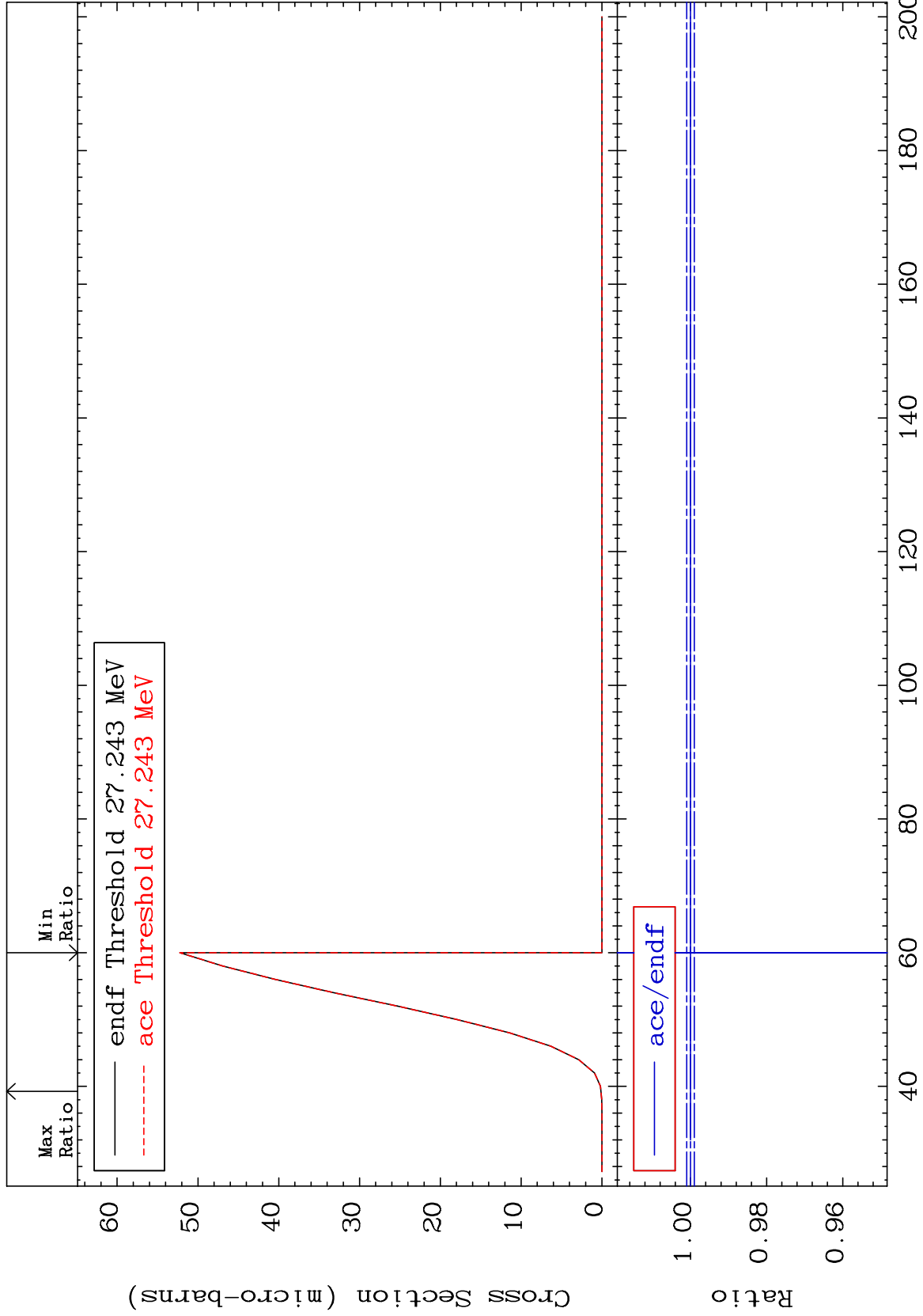
15-P -31



MAT 1525

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

15-P -31  
-100.0 To 0.000 %



64

15-P -31

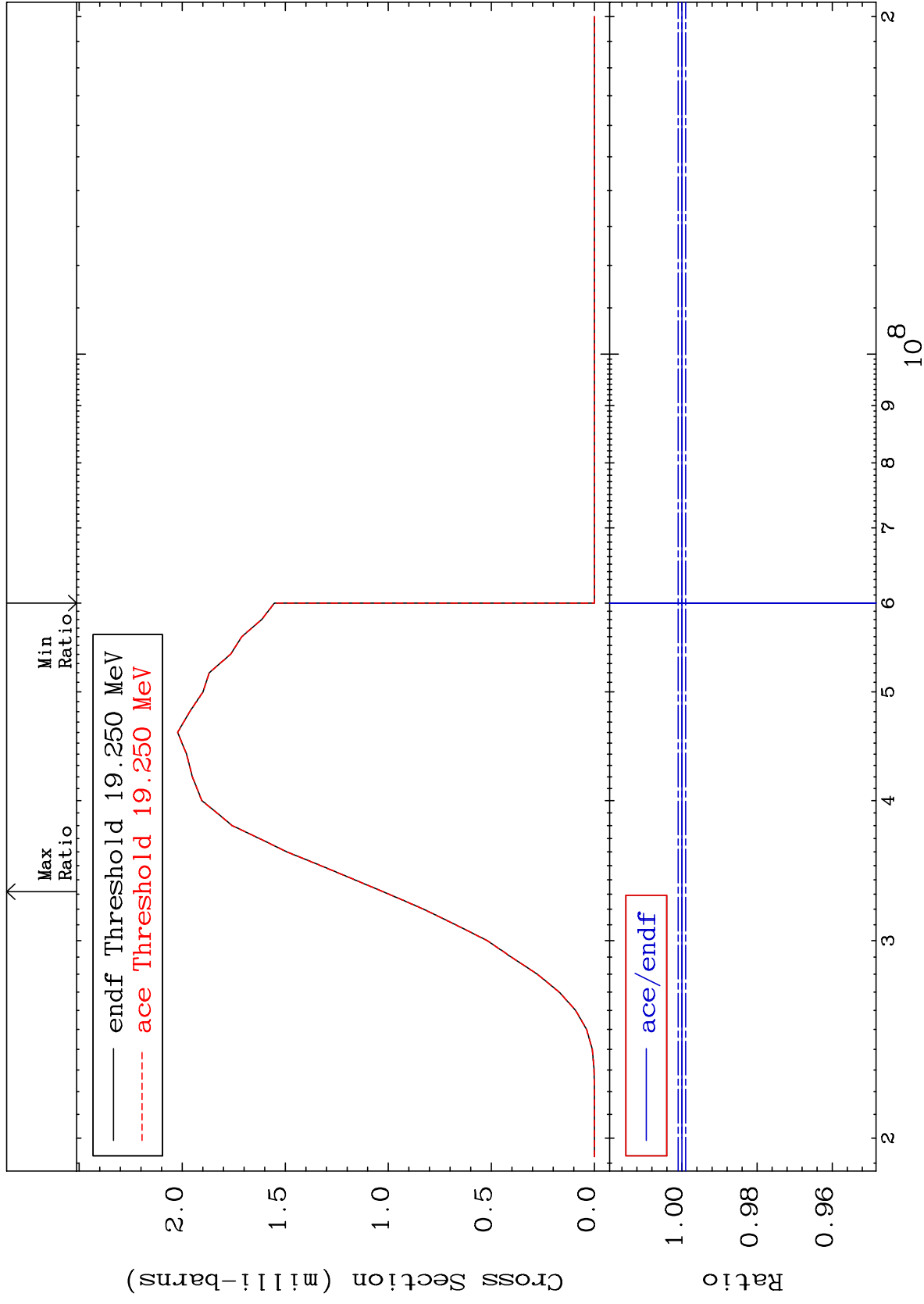
MAT 1525

(n,p) d

15-P -31

Cross Section

-100.0 To 0.000 %



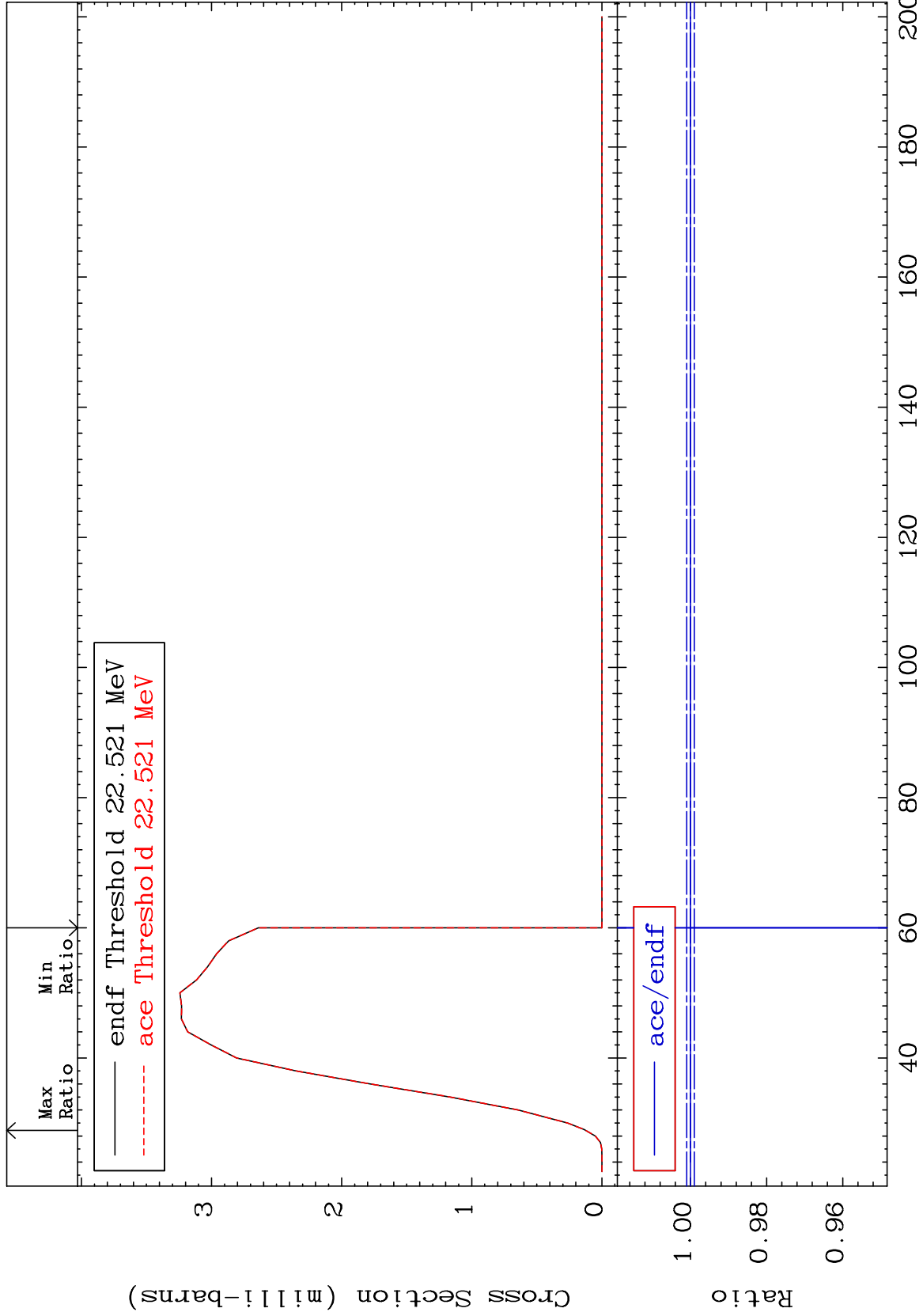
65

15-P -31

MAT 1525

(n,p) t  
Cross Section

15-P -31  
-100.0 To 0.000 %

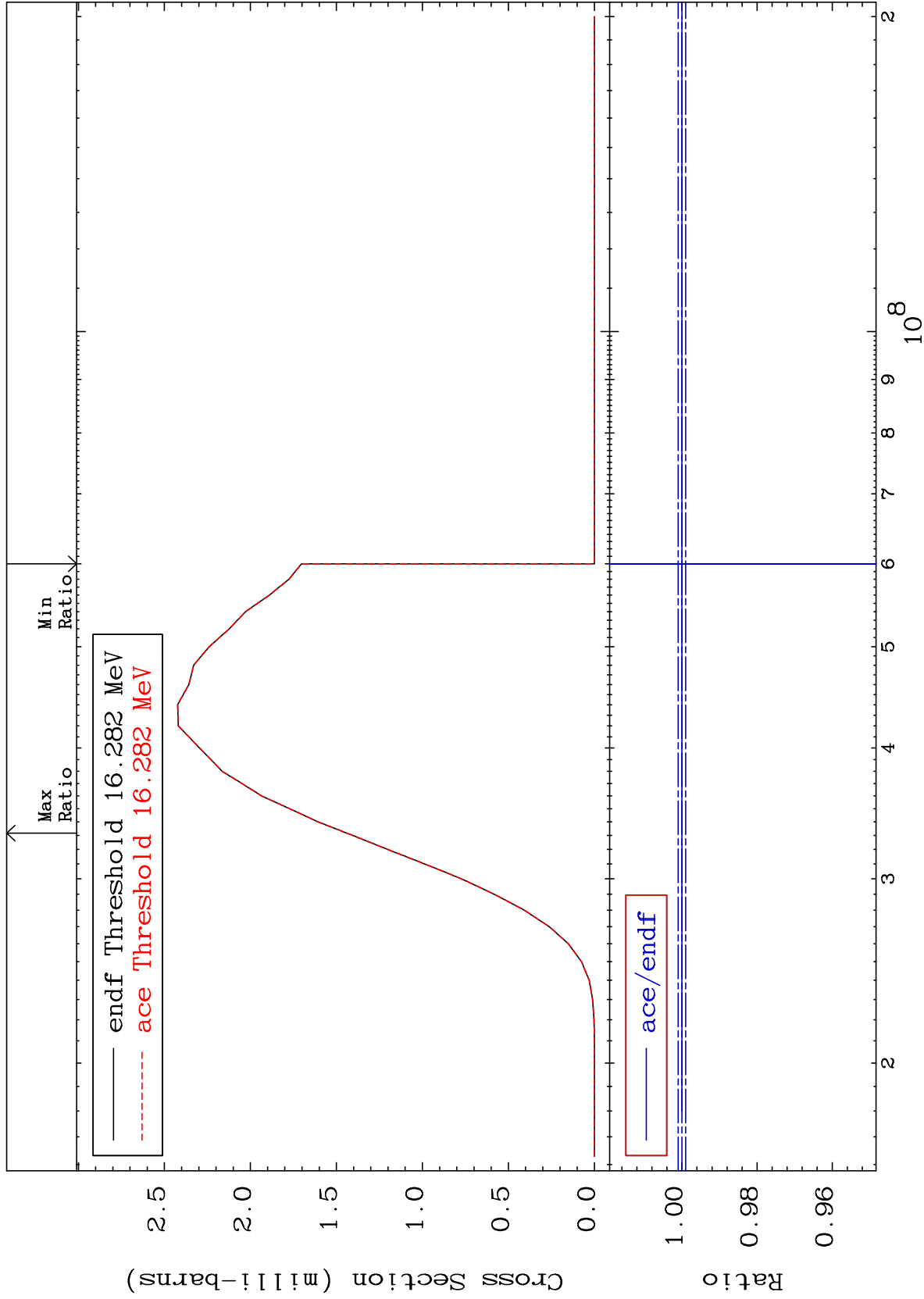


MAT 1525

(n,d)  $\alpha$

15-P -31  
-100.0 To 0.000 %

Cross Section



67

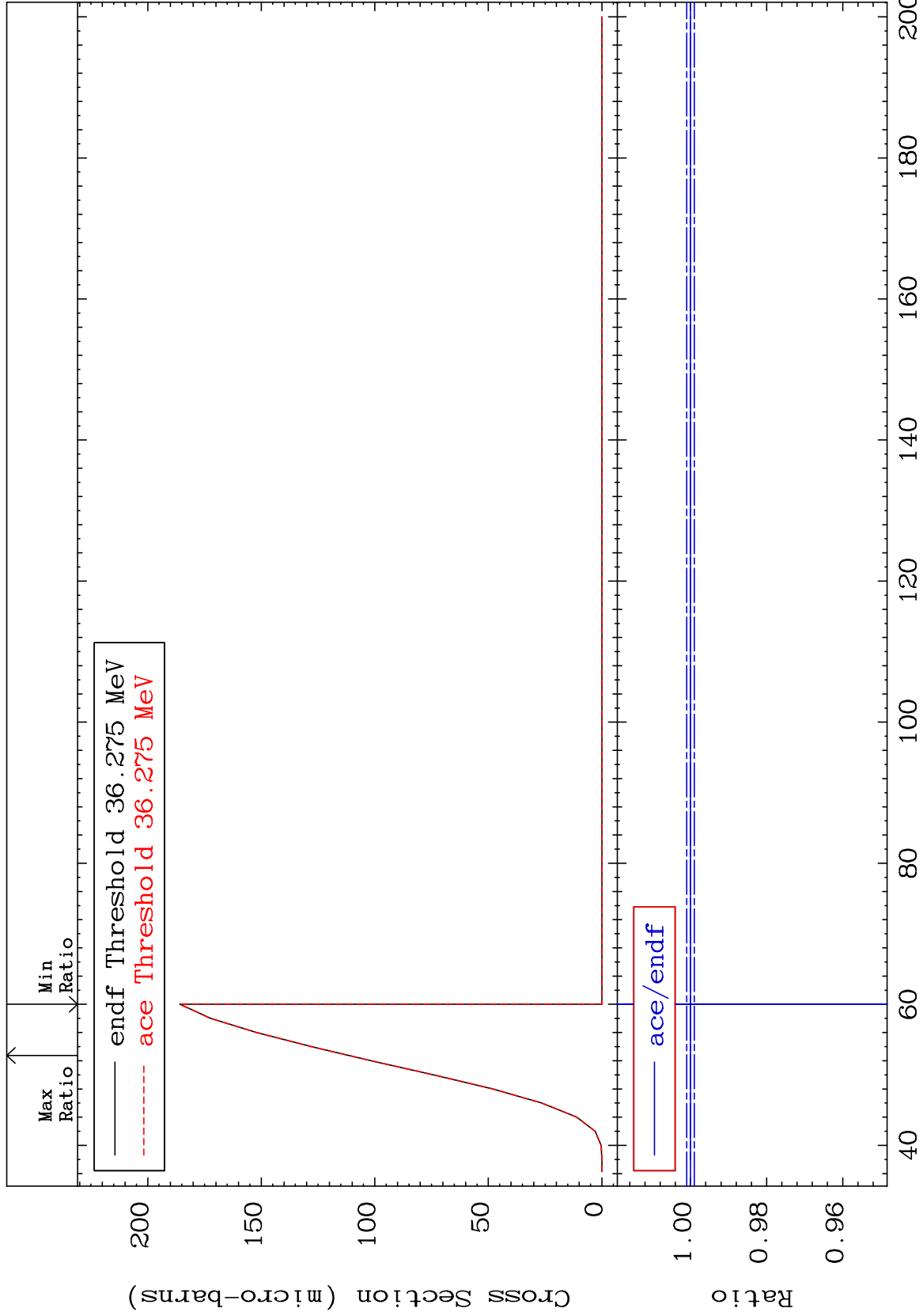
Incident Energy (eV)

15-P -31

MAT 1525

(n,2nt)  
Cross Section

15-P -31  
-100.0 To 0.000 %



68

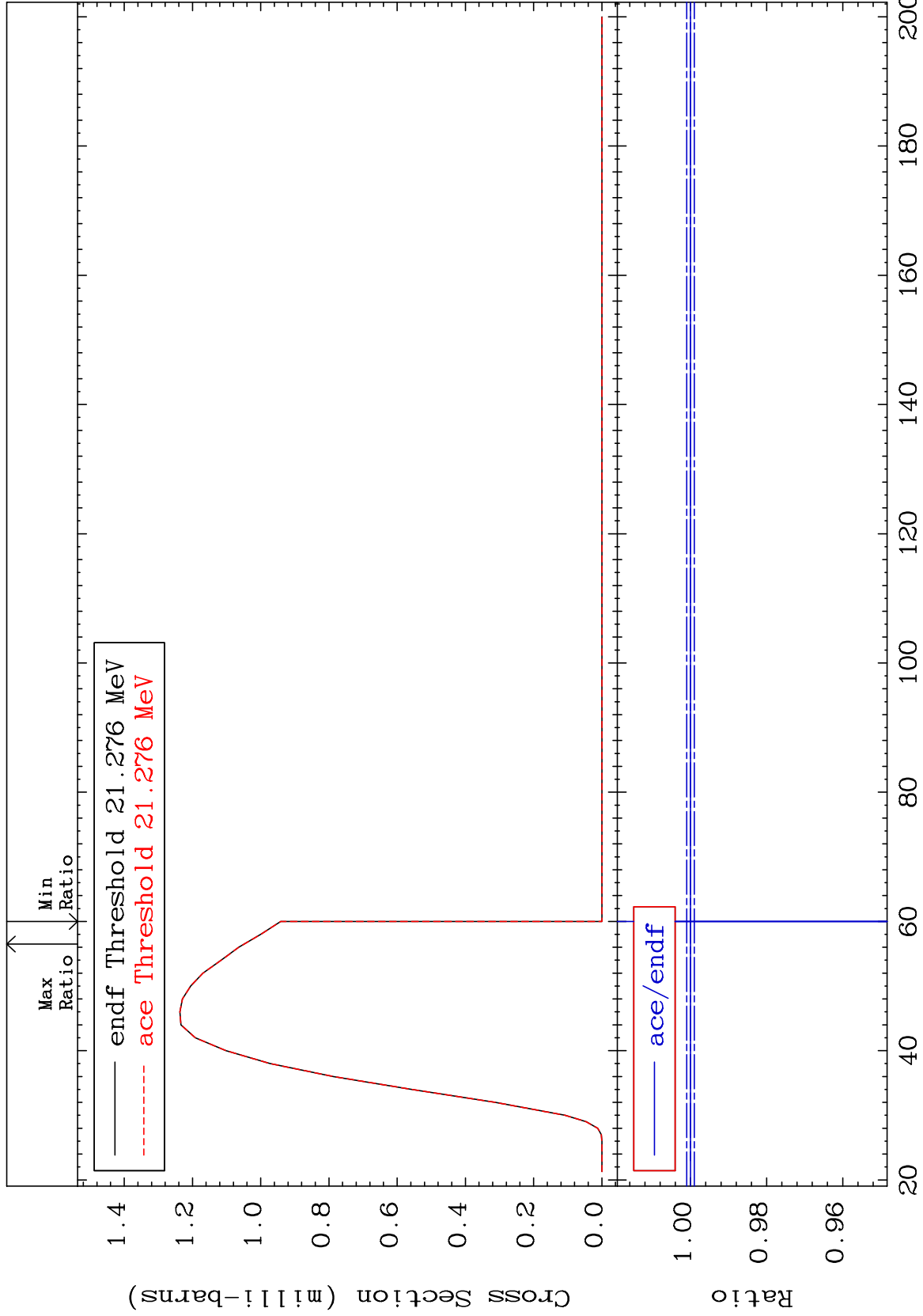
Incident Energy (MeV)

15-P -31

MAT 1525

(n,  $\alpha$ )  
Cross Section

15-P -31  
-100.0 To 0.000 %



69

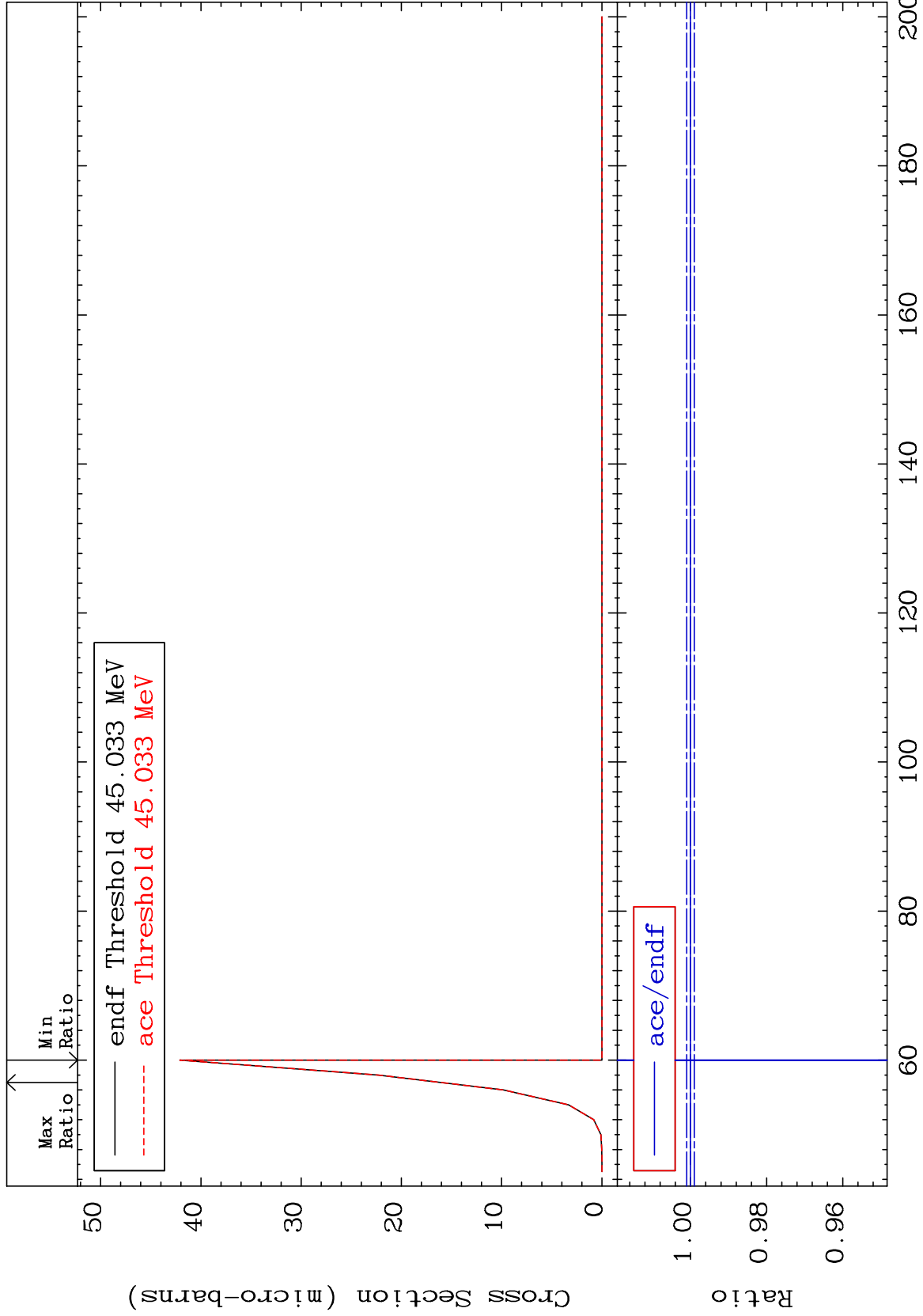
Incident Energy (MeV)

15-P -31

MAT 1525

(n, 4np)  
Cross Section

15-P -31  
-100.0 To 0.000 %



70

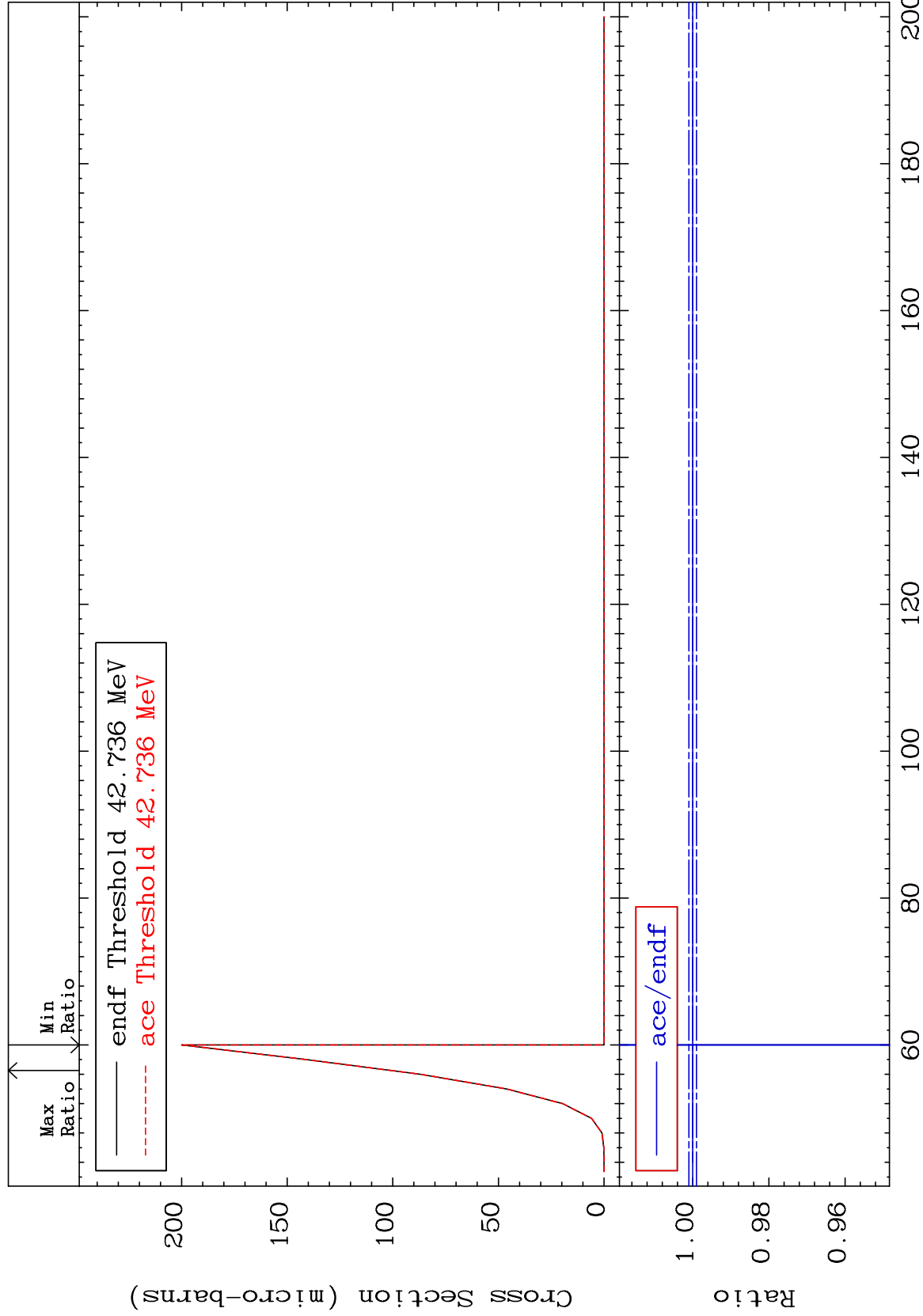
Incident Energy (MeV)

15-P -31

MAT 1525

(n,3nd)  
Cross Section

15-P -31  
-100.0 To 0.000 %



71

Incident Energy (MeV)

15-P -31



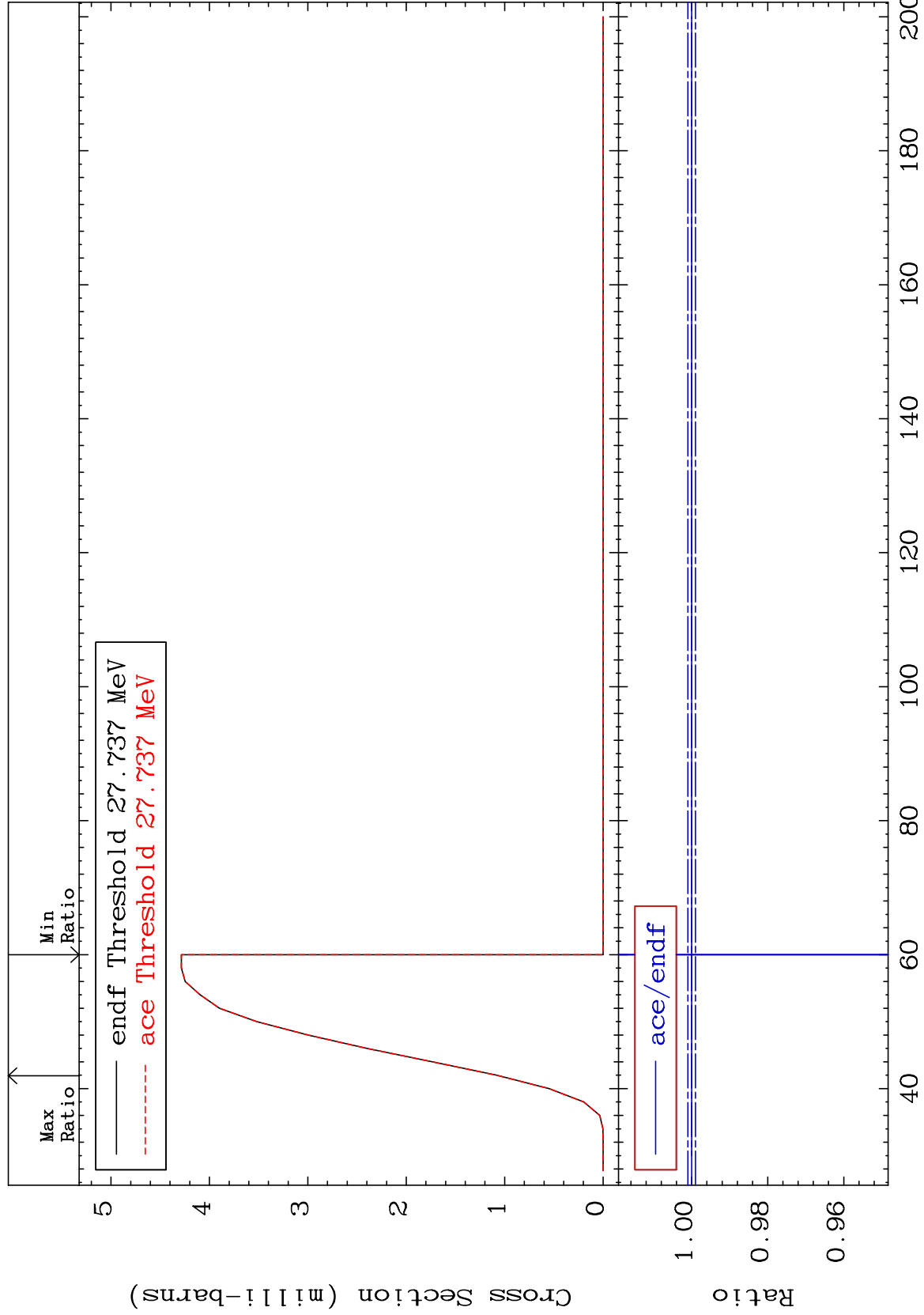
MAT 1525

(n, n'α)

15-P -31

Cross Section

-100.0 To 0.000 %



72

Incident Energy (MeV)

15-P -31

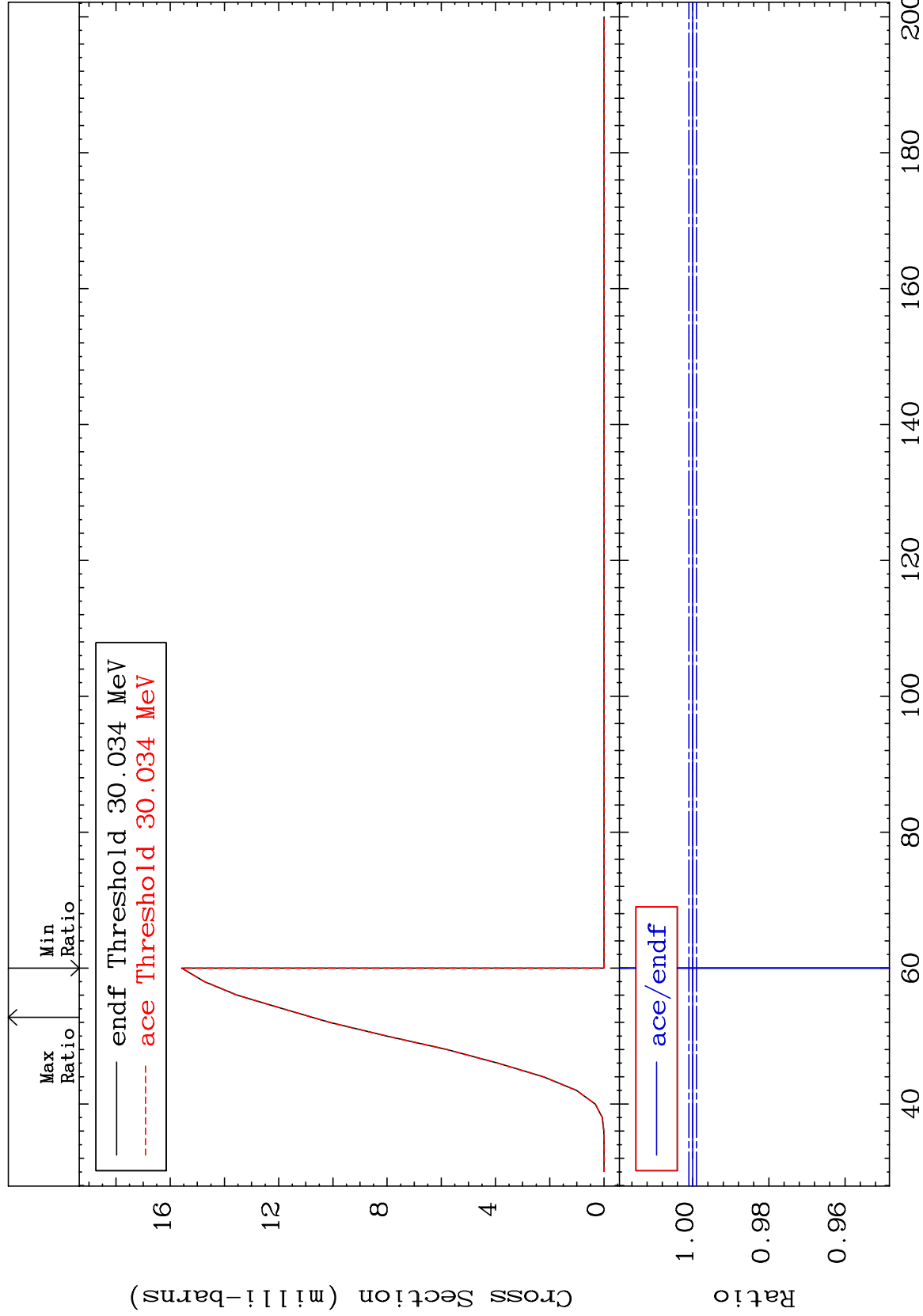
MAT 1525

(n, 2n $\alpha$ )

15-P -31

Cross Section

-100.0 To 0.000 %



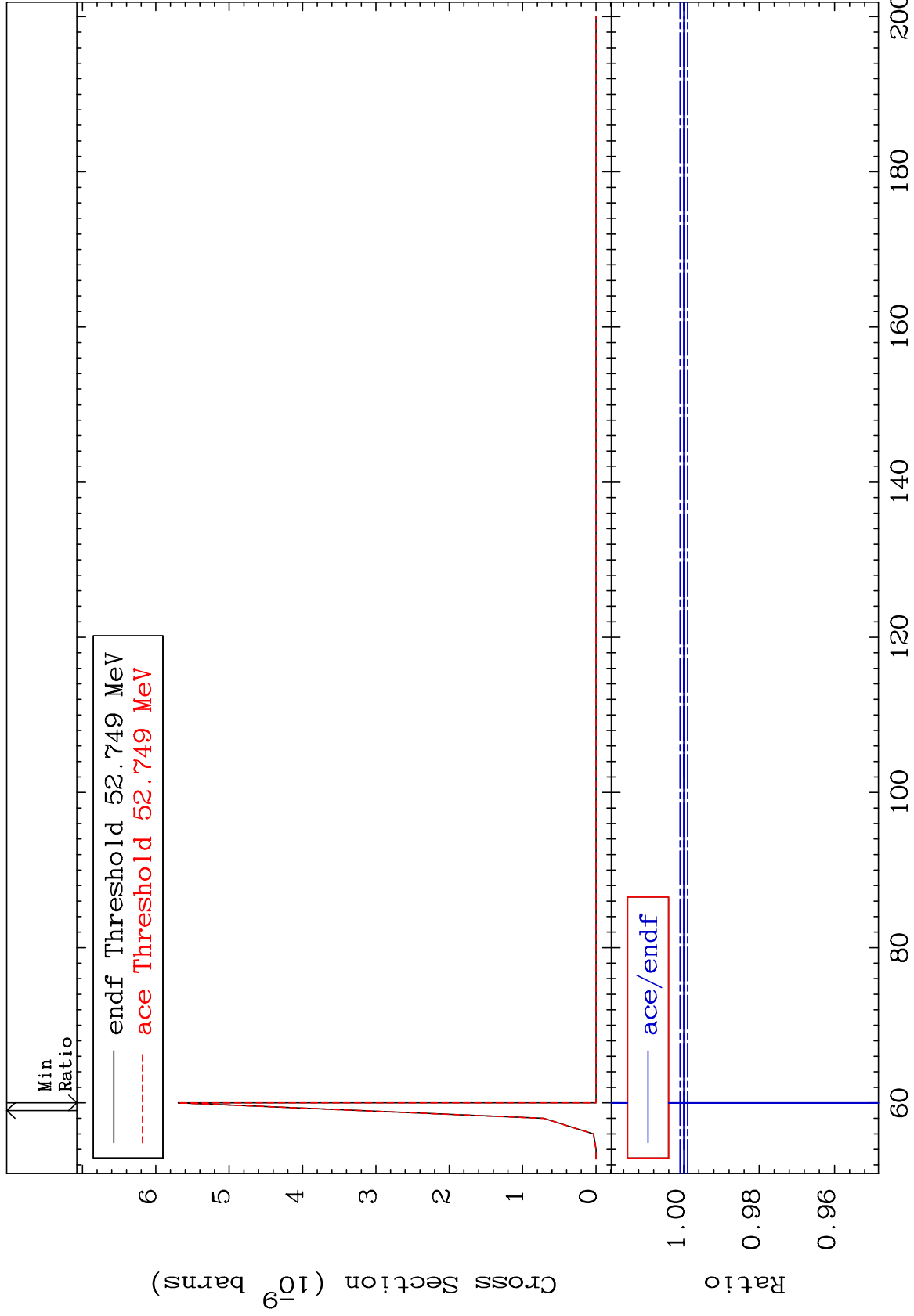
73

15-P -31

MAT 1525

(n, 4n $\alpha$ )  
Cross Section

15-P -31  
-100.0 To 0.000 %



74

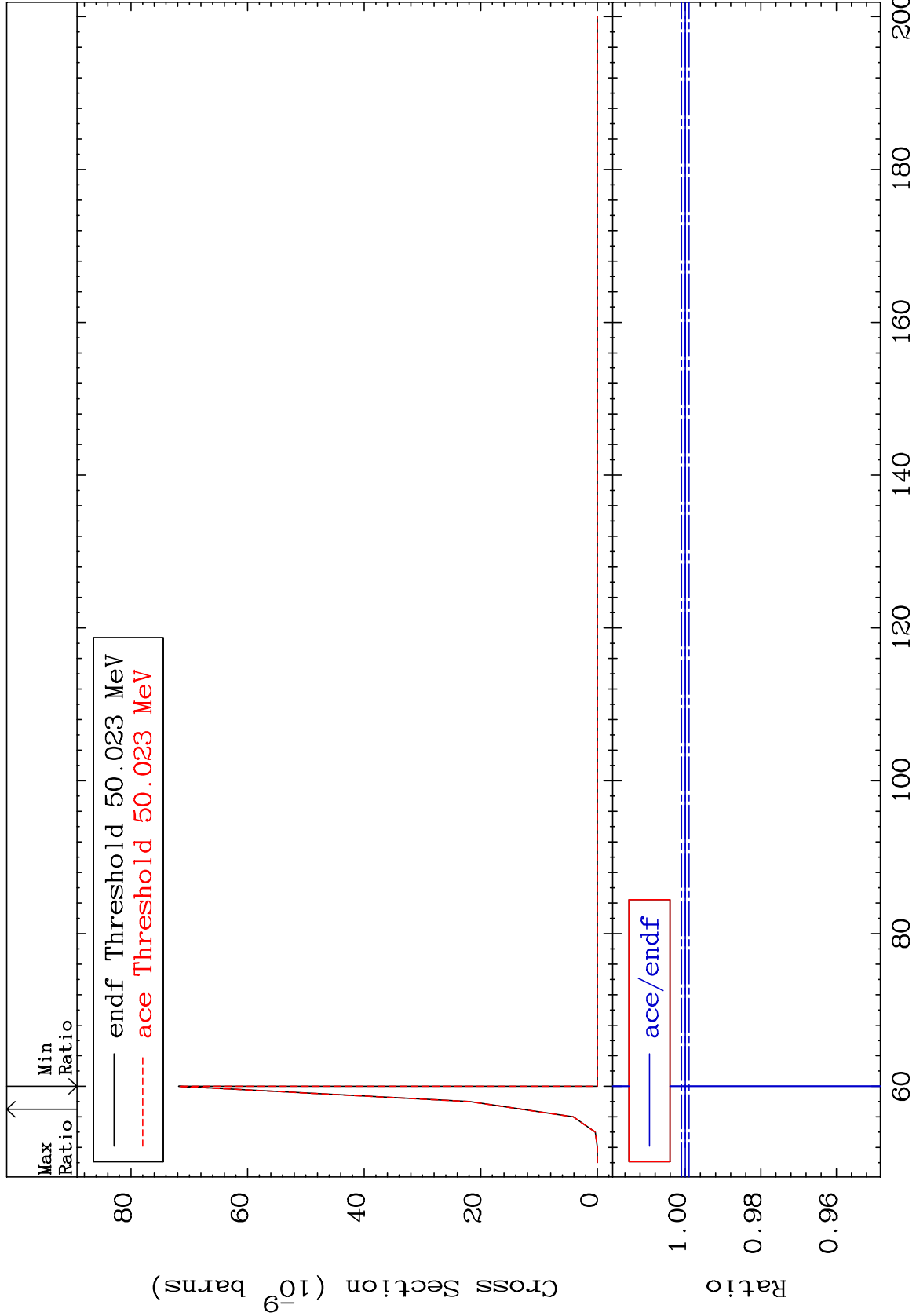
Incident Energy (MeV)

15-P -31

MAT 1525

(n,3nt)  
Cross Section

15-P -31  
-100.0 To 0.000 %



75

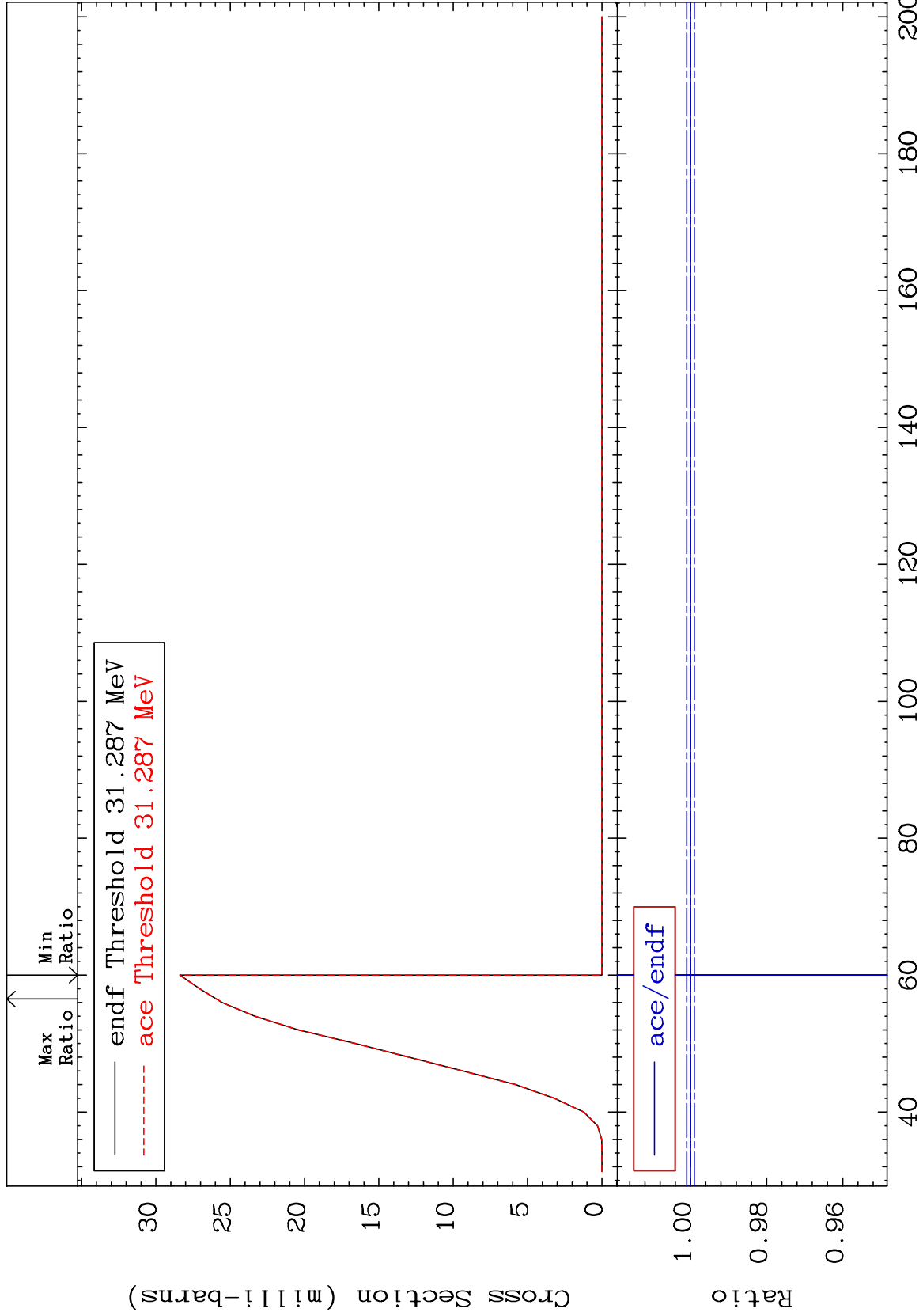
Incident Energy (MeV)

15-P -31

MAT 1525

(n,2nh)  
Cross Section

15-P -31  
-100.0 To 0.000 %



76

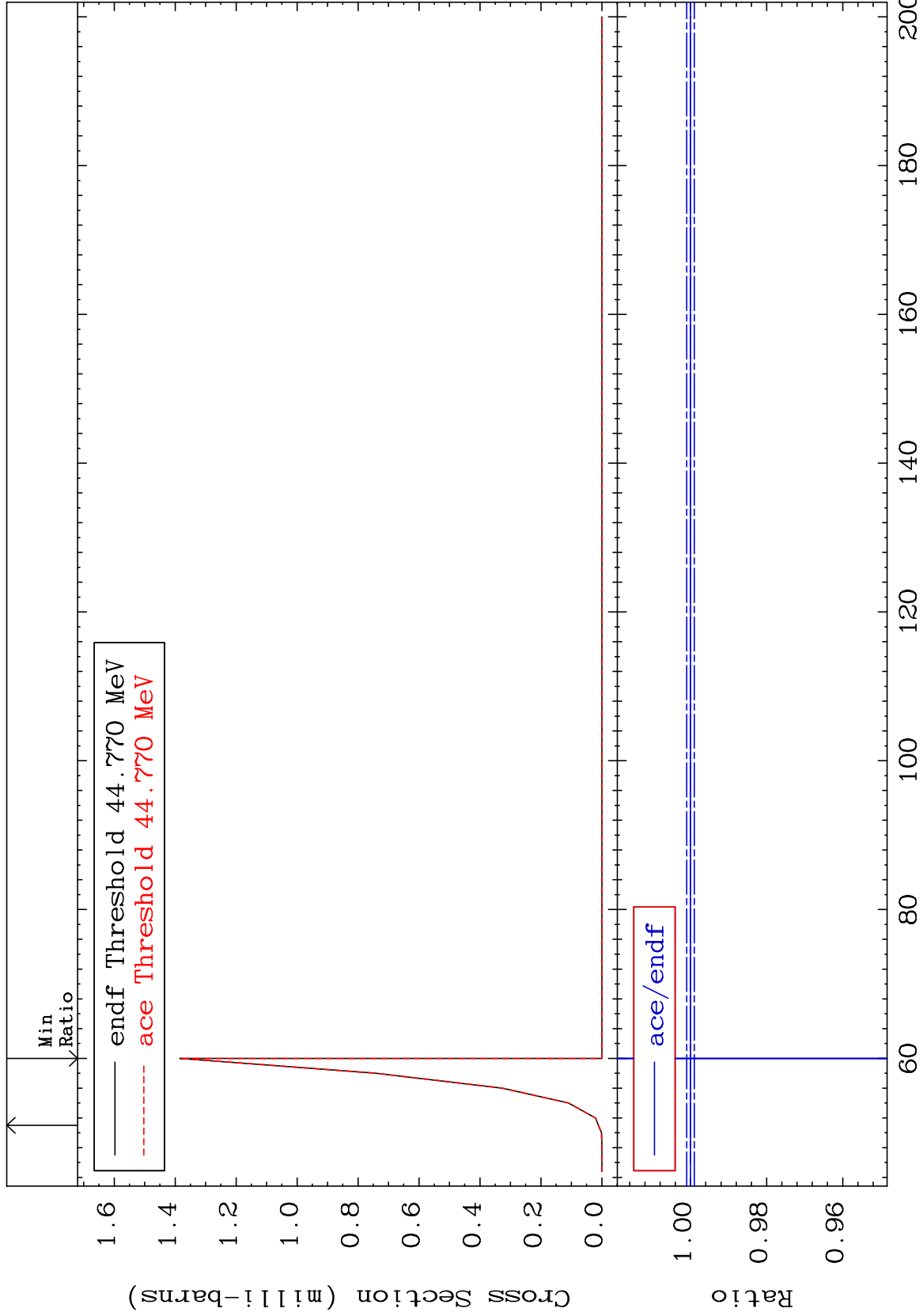
Incident Energy (MeV)

15-P -31

MAT 1525

(n,3nh)  
Cross Section

15-P -31  
-100.0 To 0.000 %



77

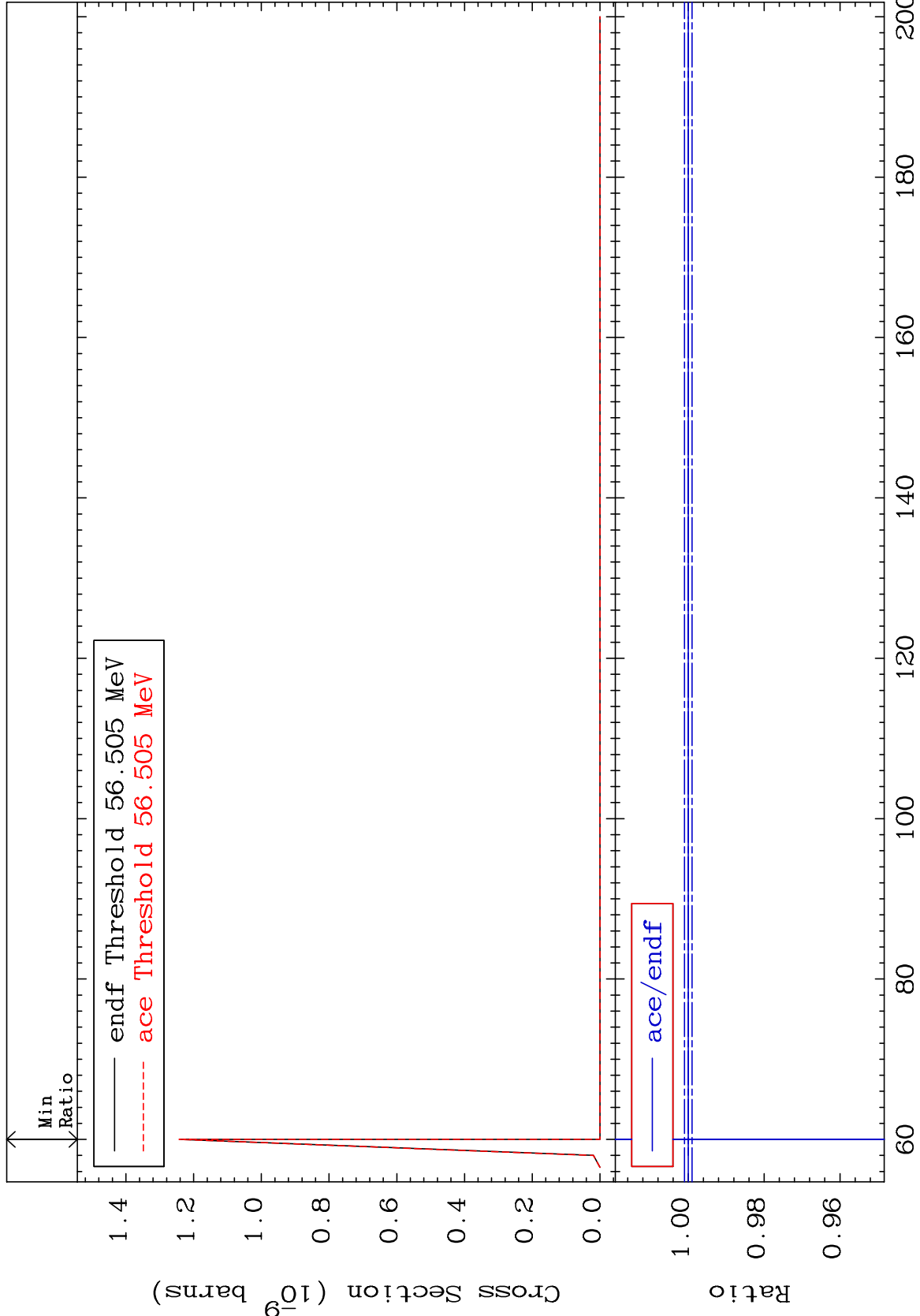
Incident Energy (MeV)

15-P -31

MAT 1525

(n, 4nh)  
Cross Section

15-P -31  
-100.0 To 0.000 %



78

Incident Energy (MeV)

15-P -31

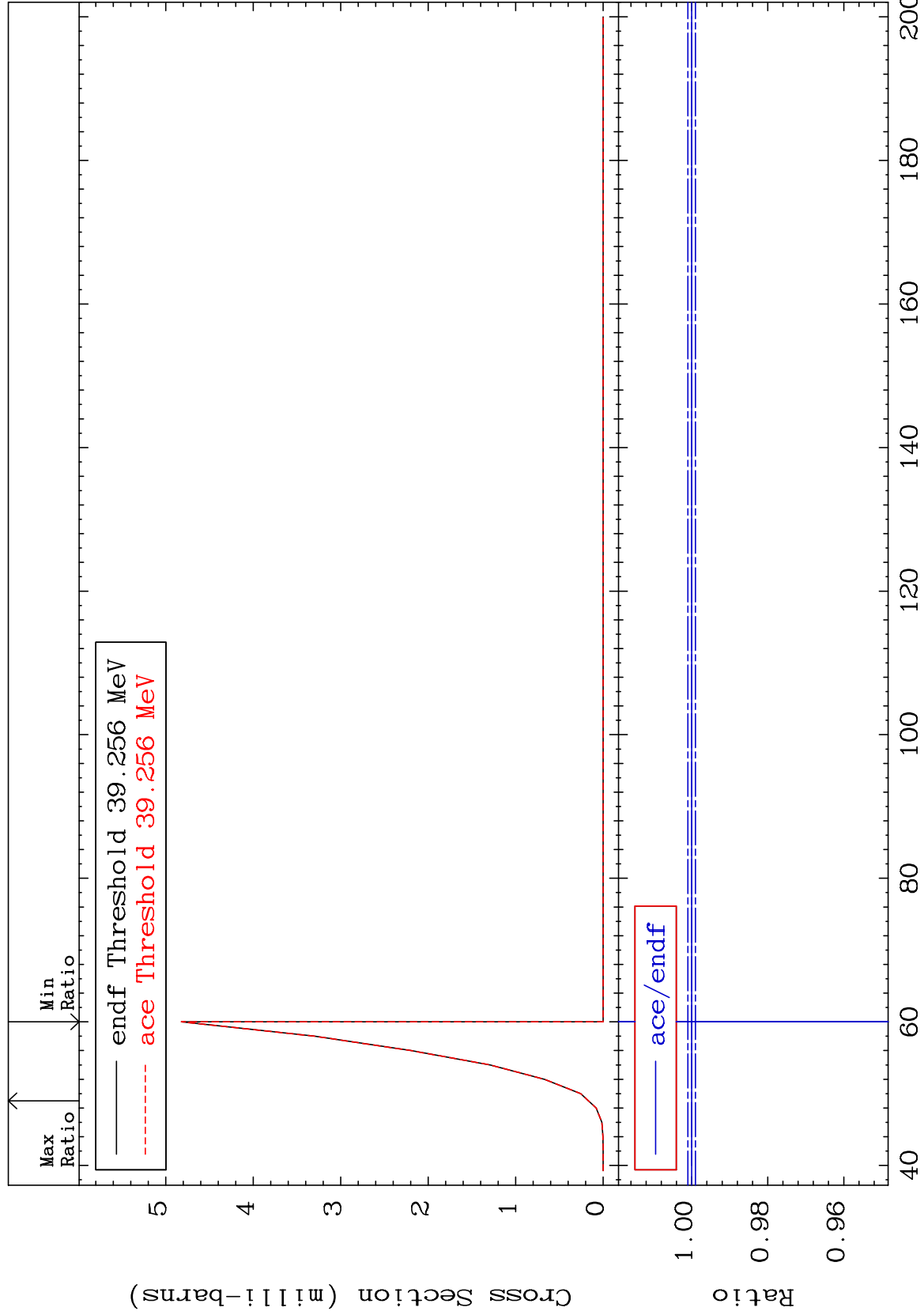
MAT 1525

(n, 3n2p)

15-P -31

Cross Section

-100.0 To 0.000 %



79

Incident Energy (MeV)

15-P -31



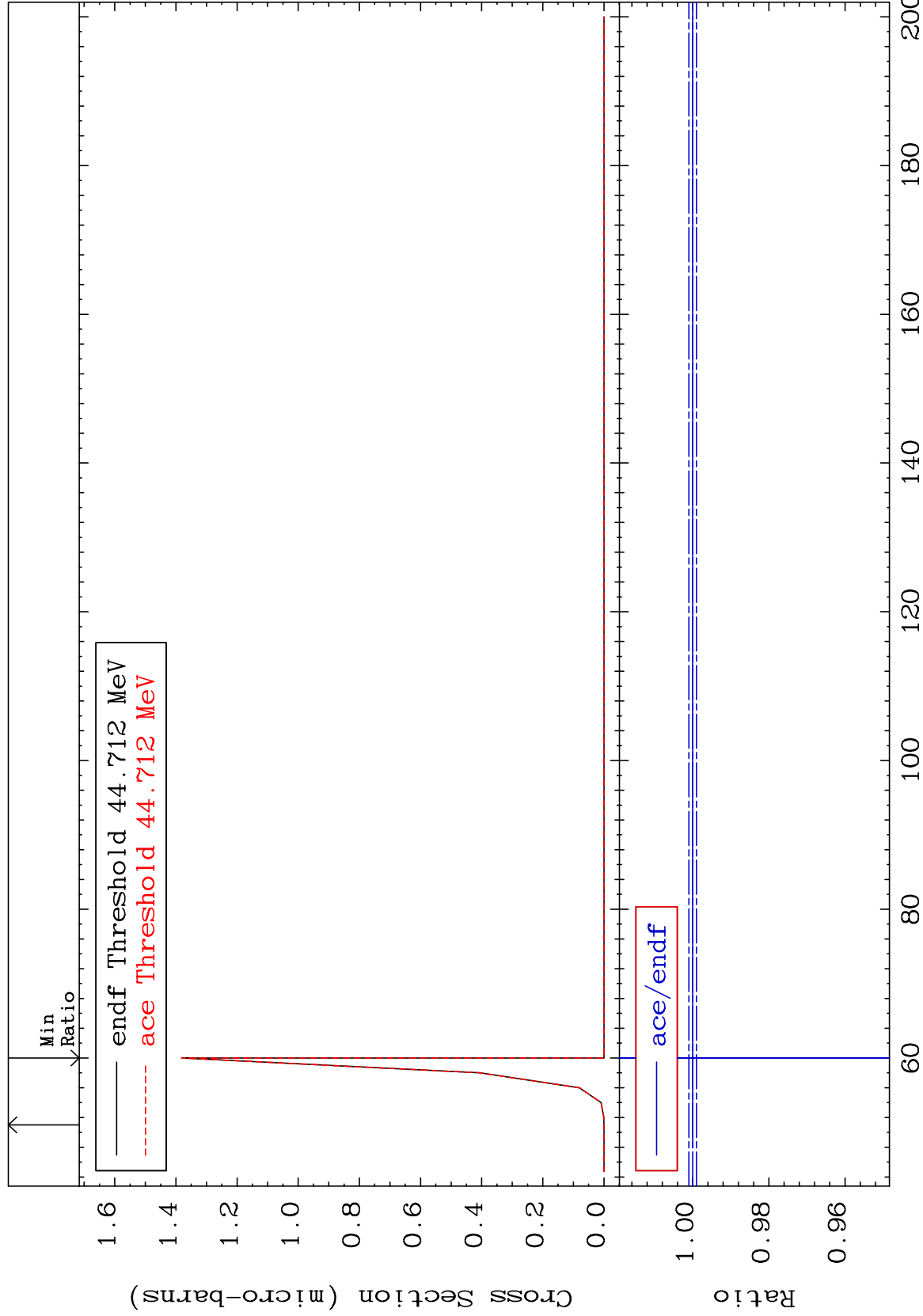
MAT 1525

(n, 3n2α)

15-P -31

Cross Section

-100.0 To 0.000 %



80

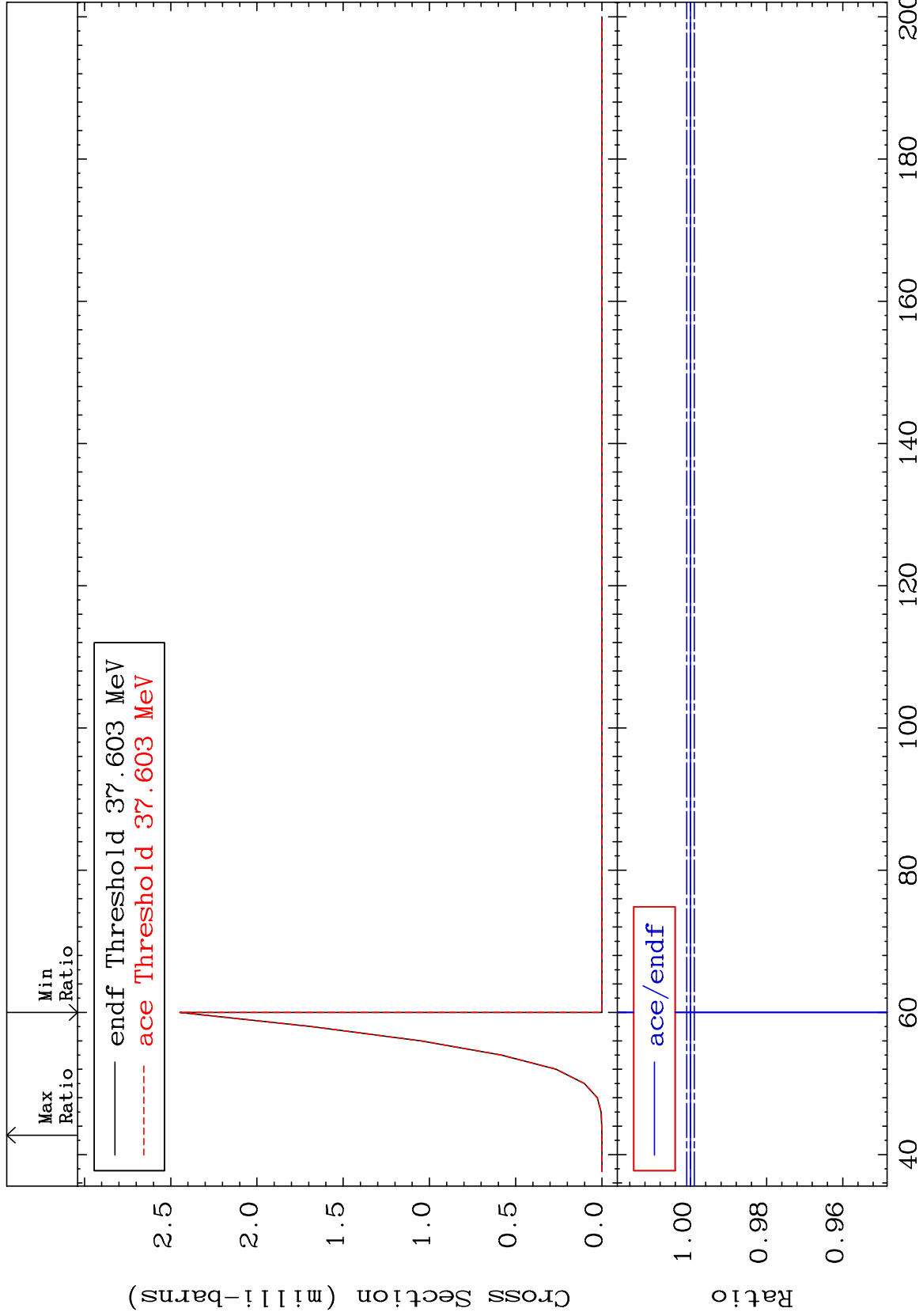
Incident Energy (MeV)

15-P -31

MAT 1525

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

15-P -31  
-100.0 To 0.000 %



81

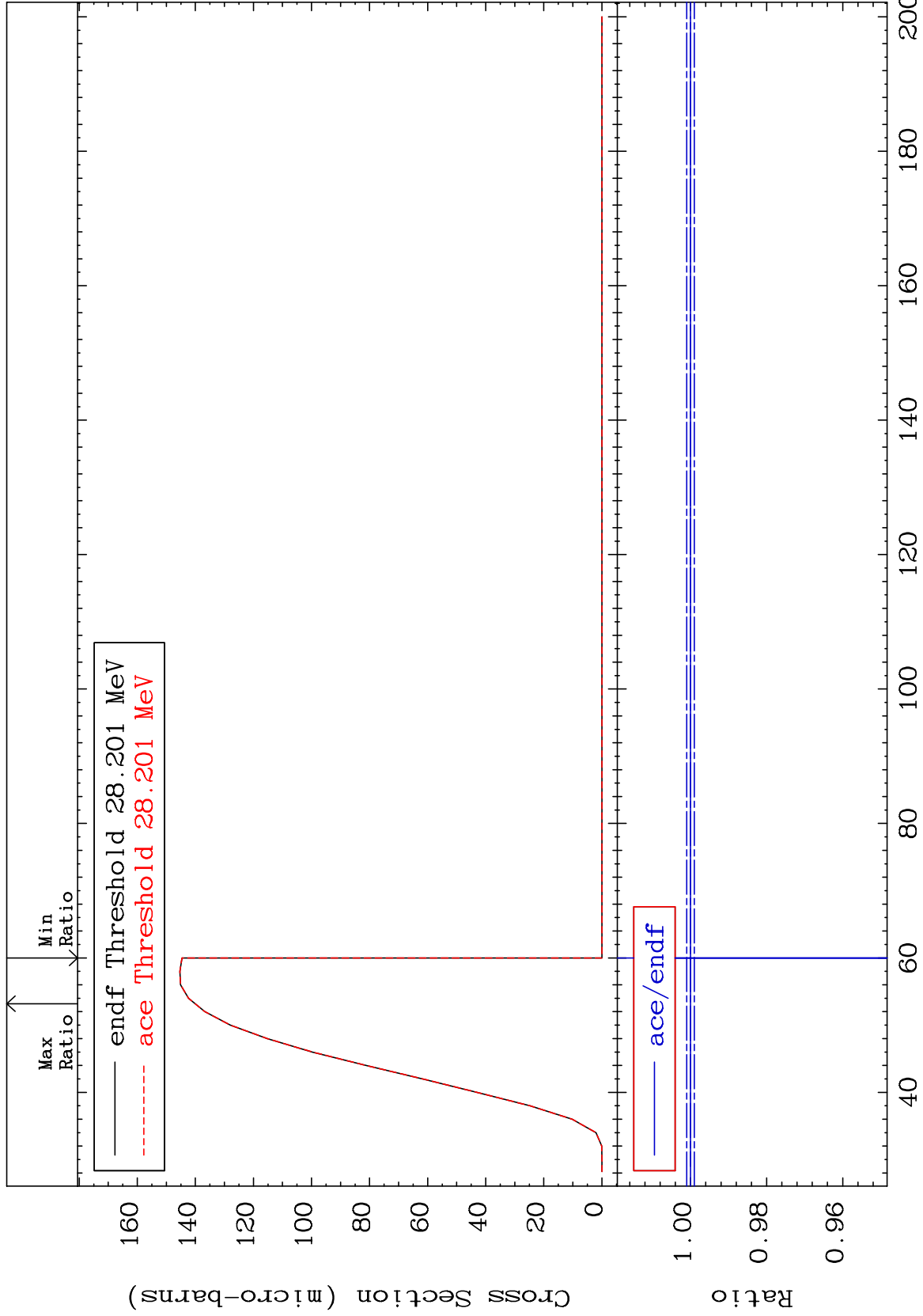
Incident Energy (MeV)

15-P -31

MAT 1525

(n, dt)  
Cross Section

15-P -31  
-100.0 To 0.000 %



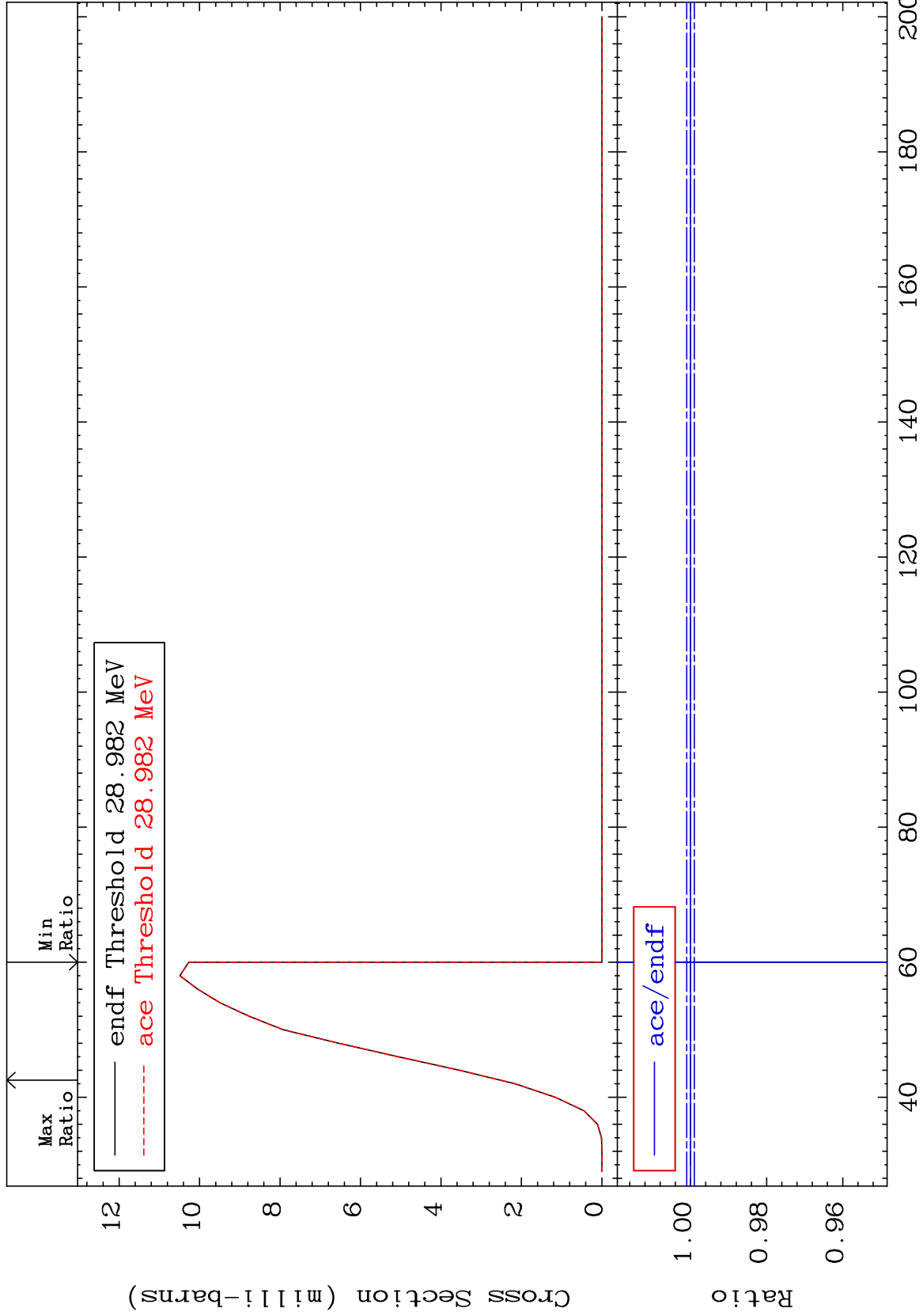
MAT 1525

(n, n'pd)

15-P -31

Cross Section

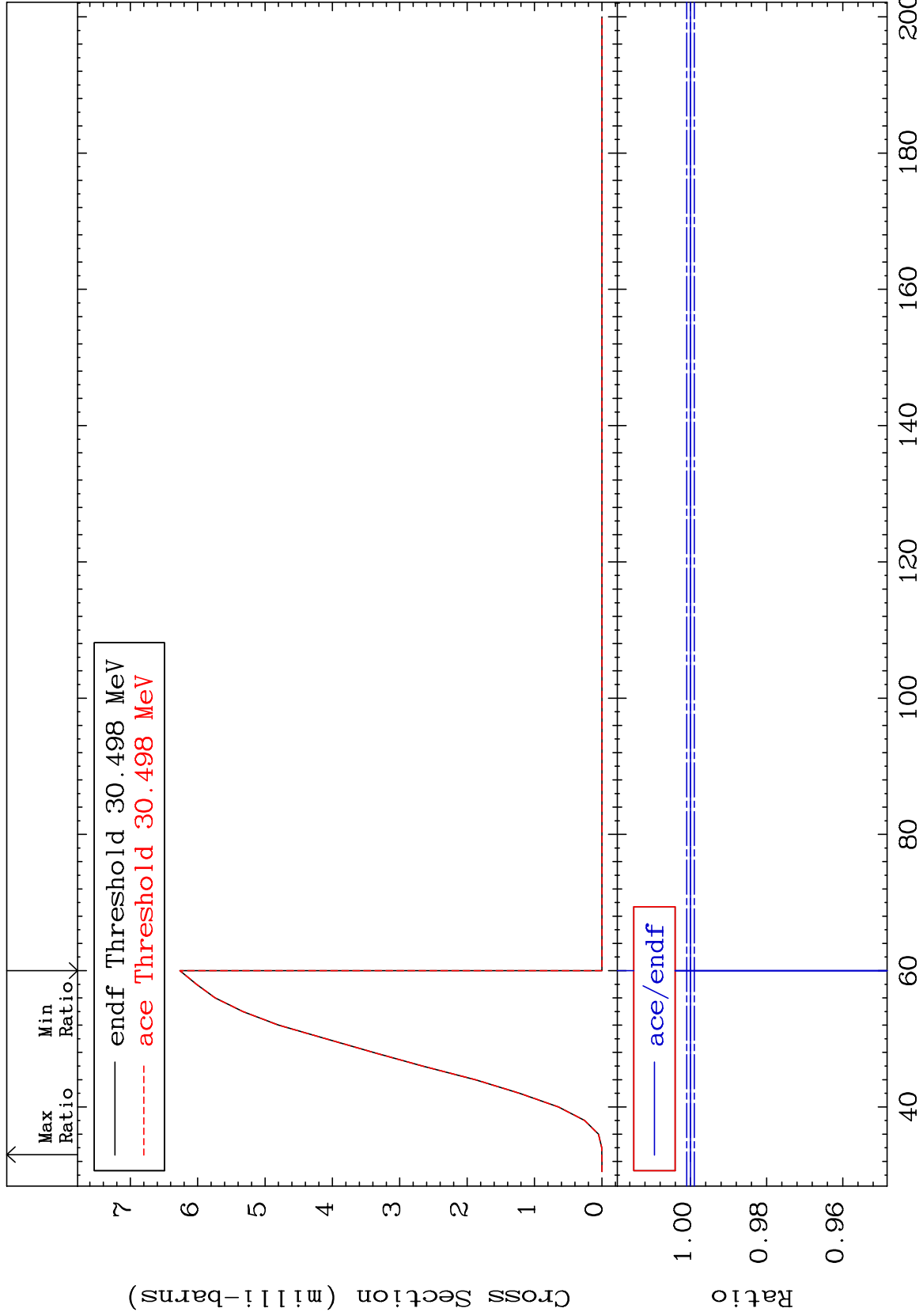
-100.0 To 0.000 %



MAT 1525

(n, n'pt)  
Cross Section

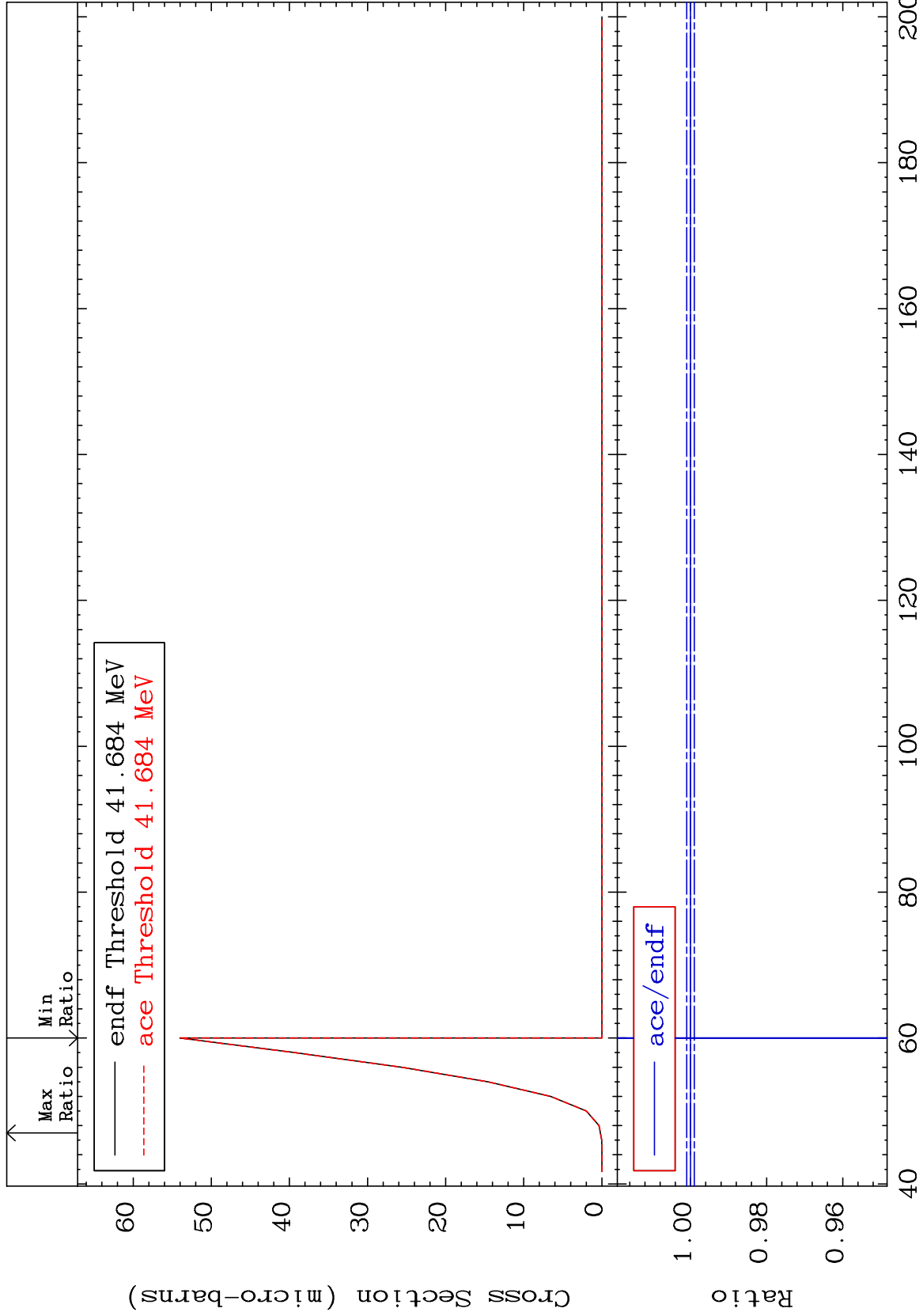
15-P -31  
-100.0 To 0.000 %



MAT 1525

(n, n'dt)  
Cross Section

15-P -31  
-100.0 To 0.000 %



85

Incident Energy (MeV)

15-P -31

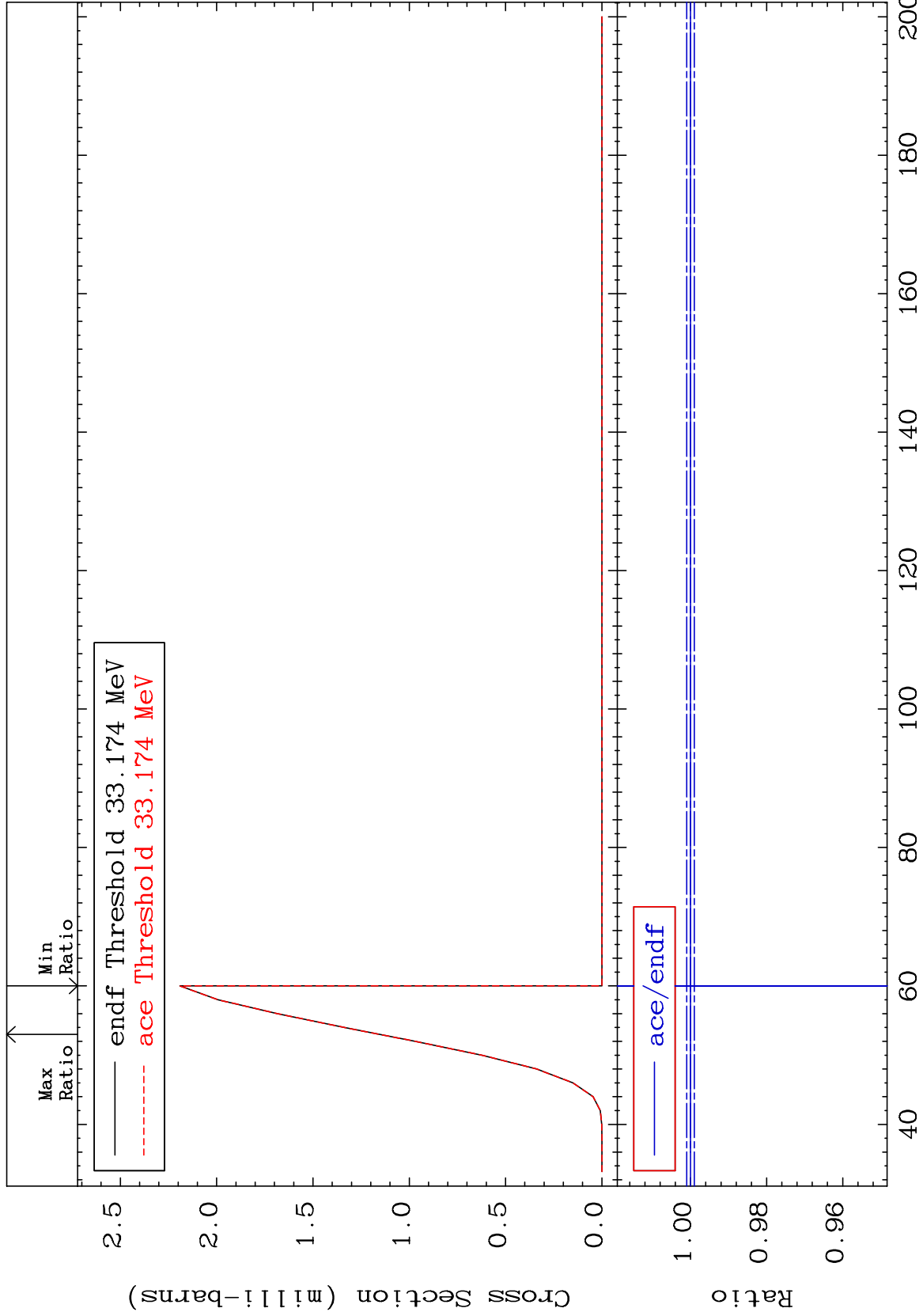
MAT 1525

(n, n'ph)

15-P -31

Cross Section

-100.0 To 0.000 %



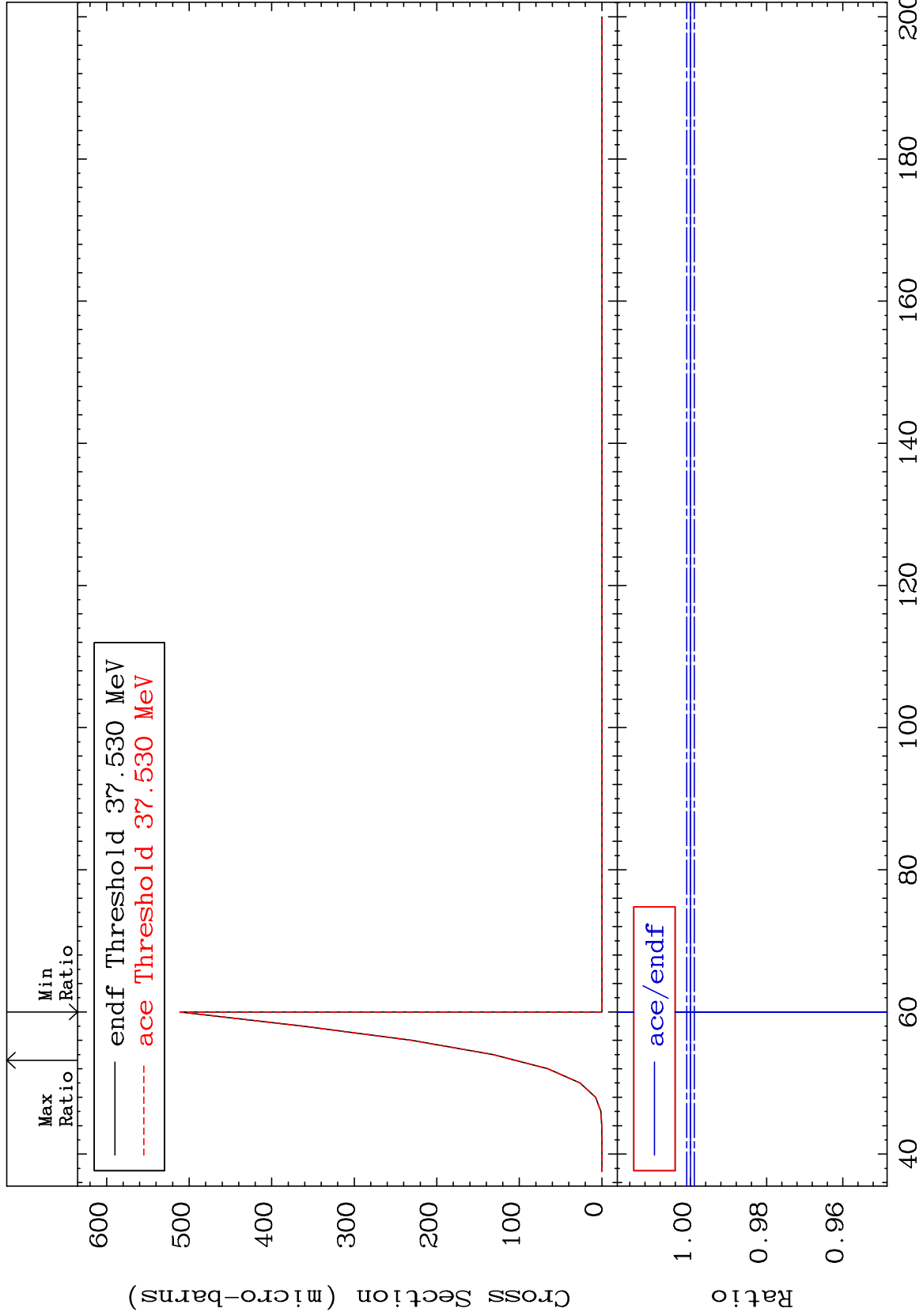
MAT 1525

(n, n'dh)

15-P -31

Cross Section

-100.0 To 0.000 %



87

Incident Energy (MeV)

15-P -31



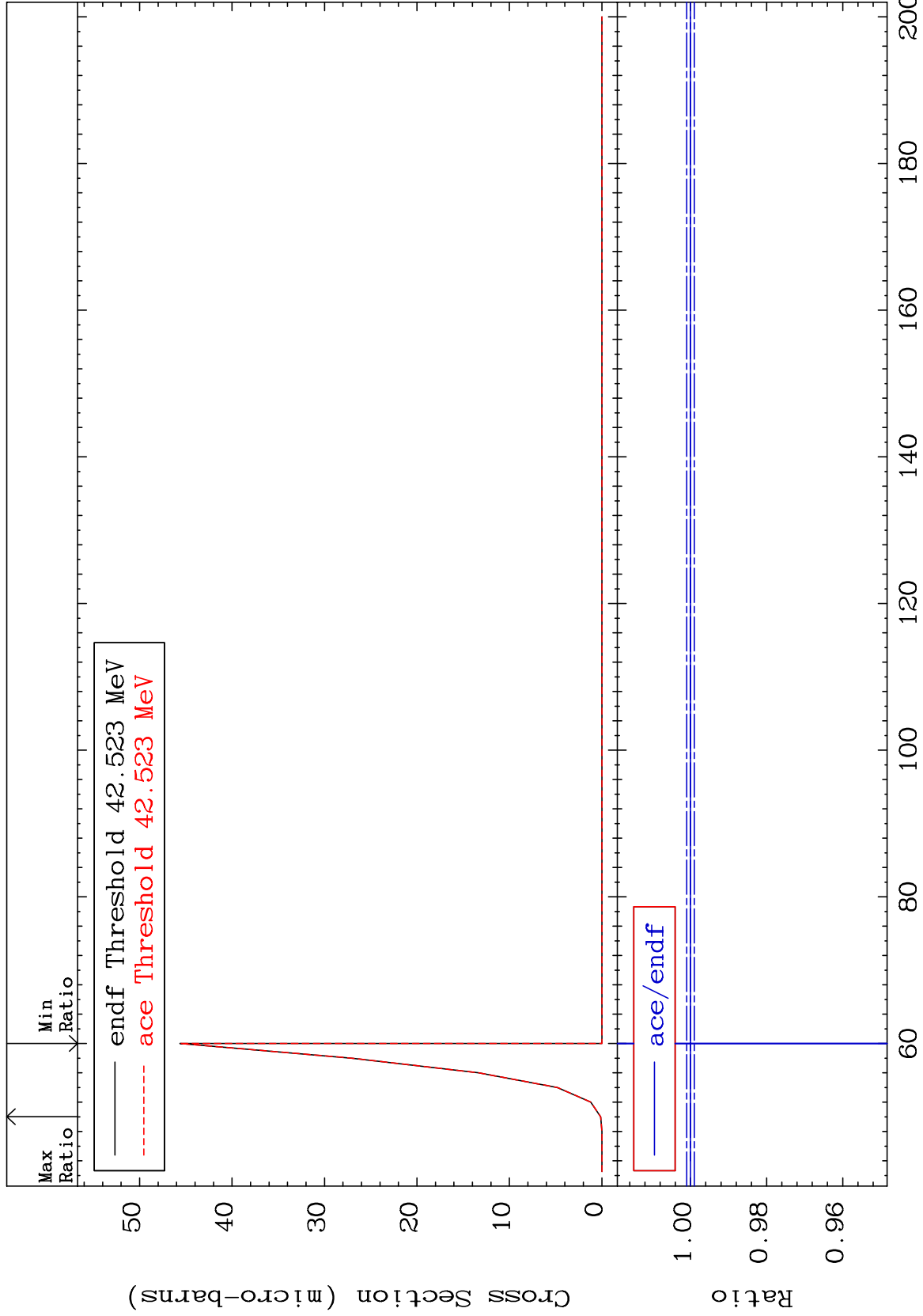
MAT 1525

(n, n'th)

15-P -31

Cross Section

-100.0 To 0.000 %



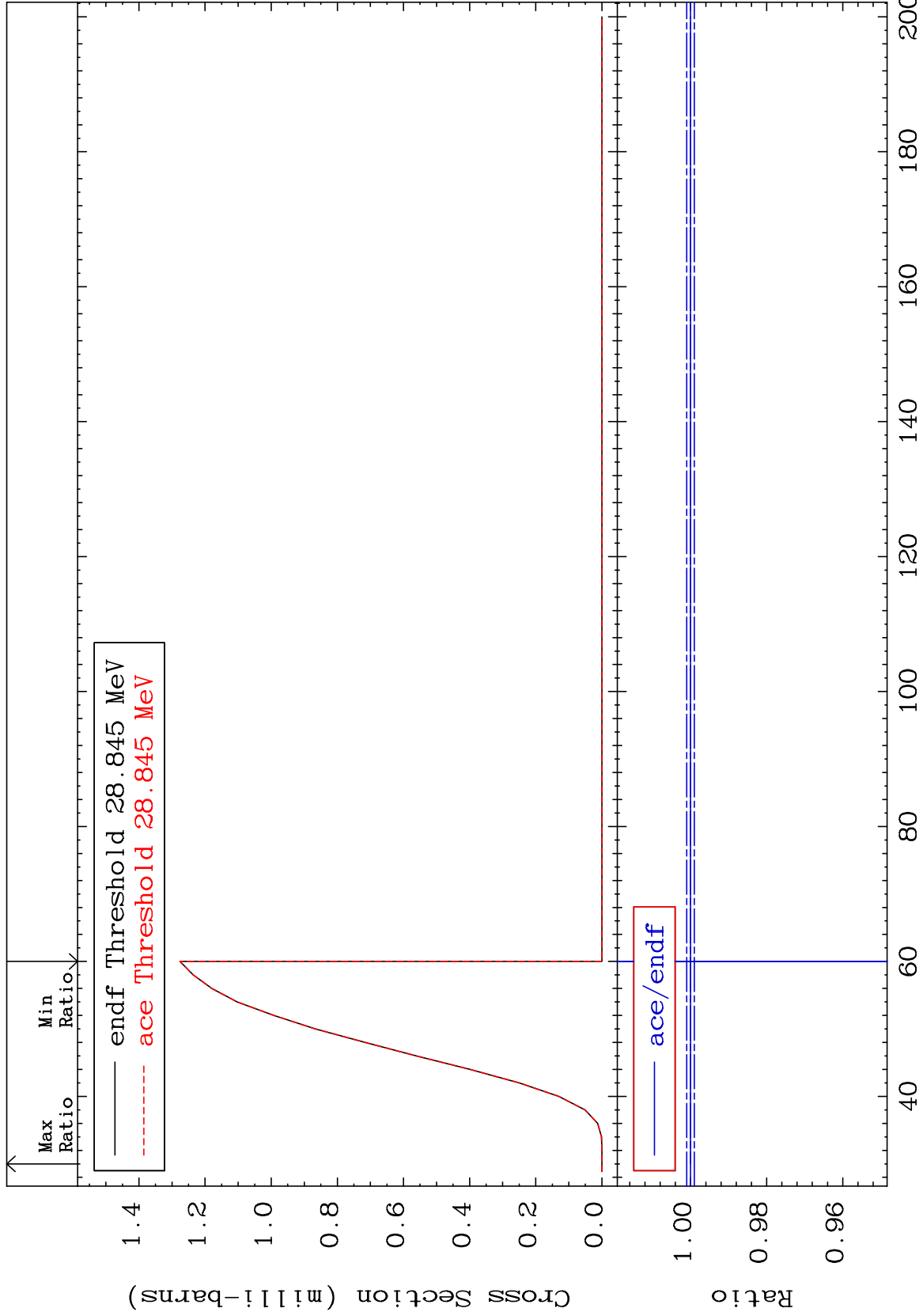
88

15-P -31

MAT 1525

(n, n'α)  
Cross Section

15-P -31  
-100.0 To 0.001 %



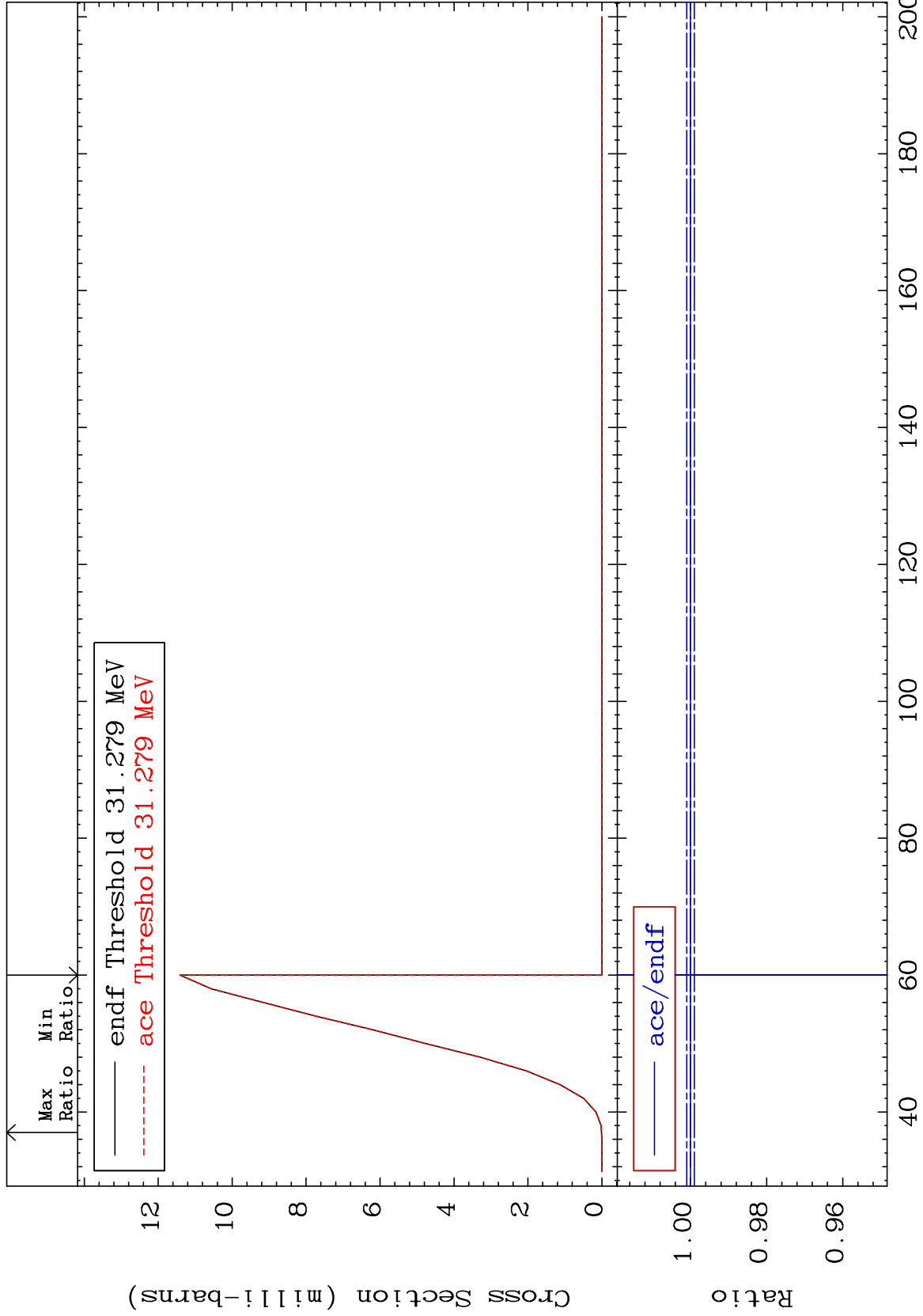
MAT 1525

(n,2n2p)

15-P -31

Cross Section

-100.0 To 0.000 %



90

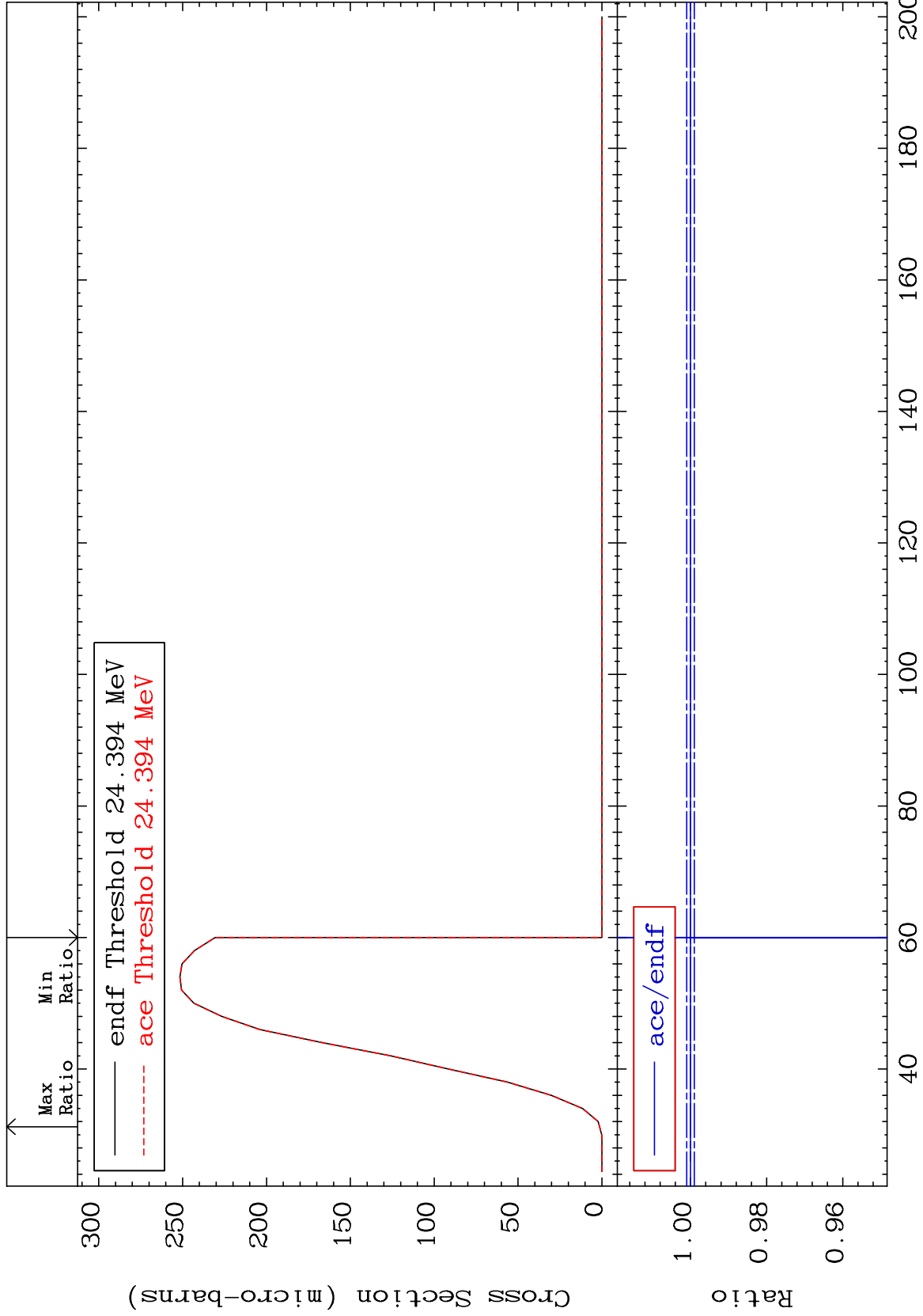
Incident Energy (MeV)

15-P -31

MAT 1525

(n,ph)  
Cross Section

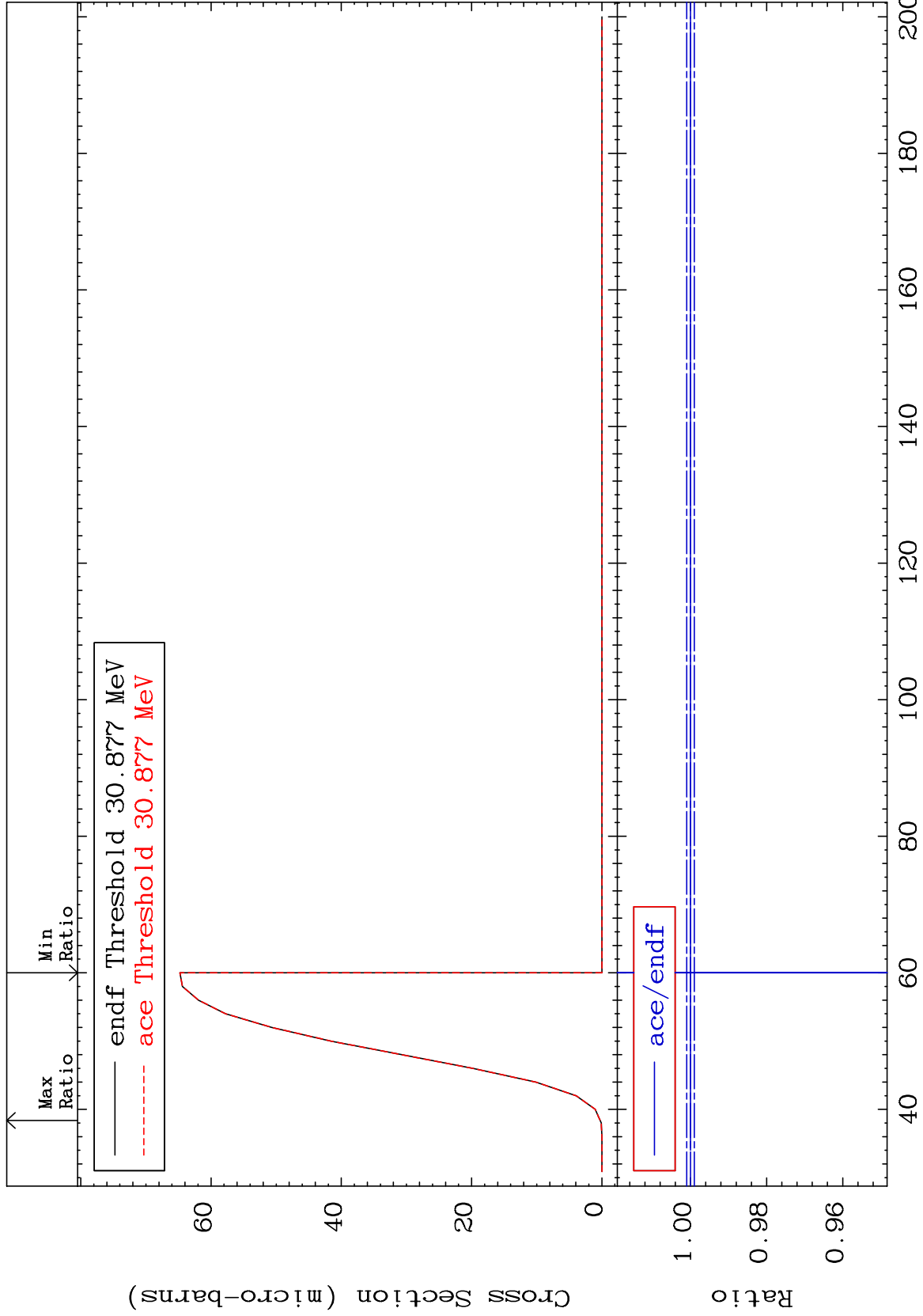
15-P -31  
-100.0 To 0.000 %



MAT 1525

(n, dh)  
Cross Section

15-P -31  
-100.0 To 0.000 %



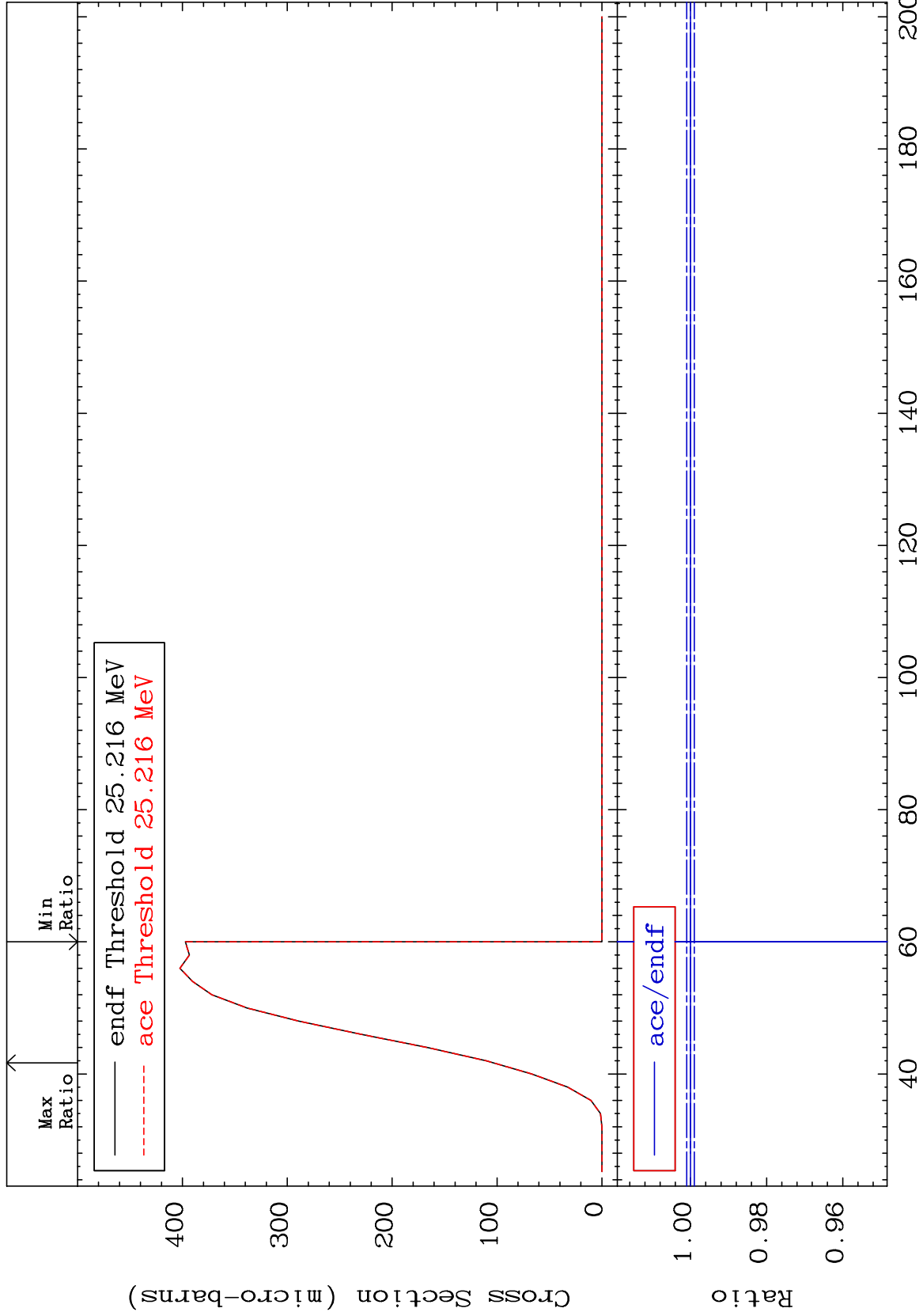
MAT 1525

(n, h $\alpha$ )

15-P -31

Cross Section

-100.0 To 0.000 %



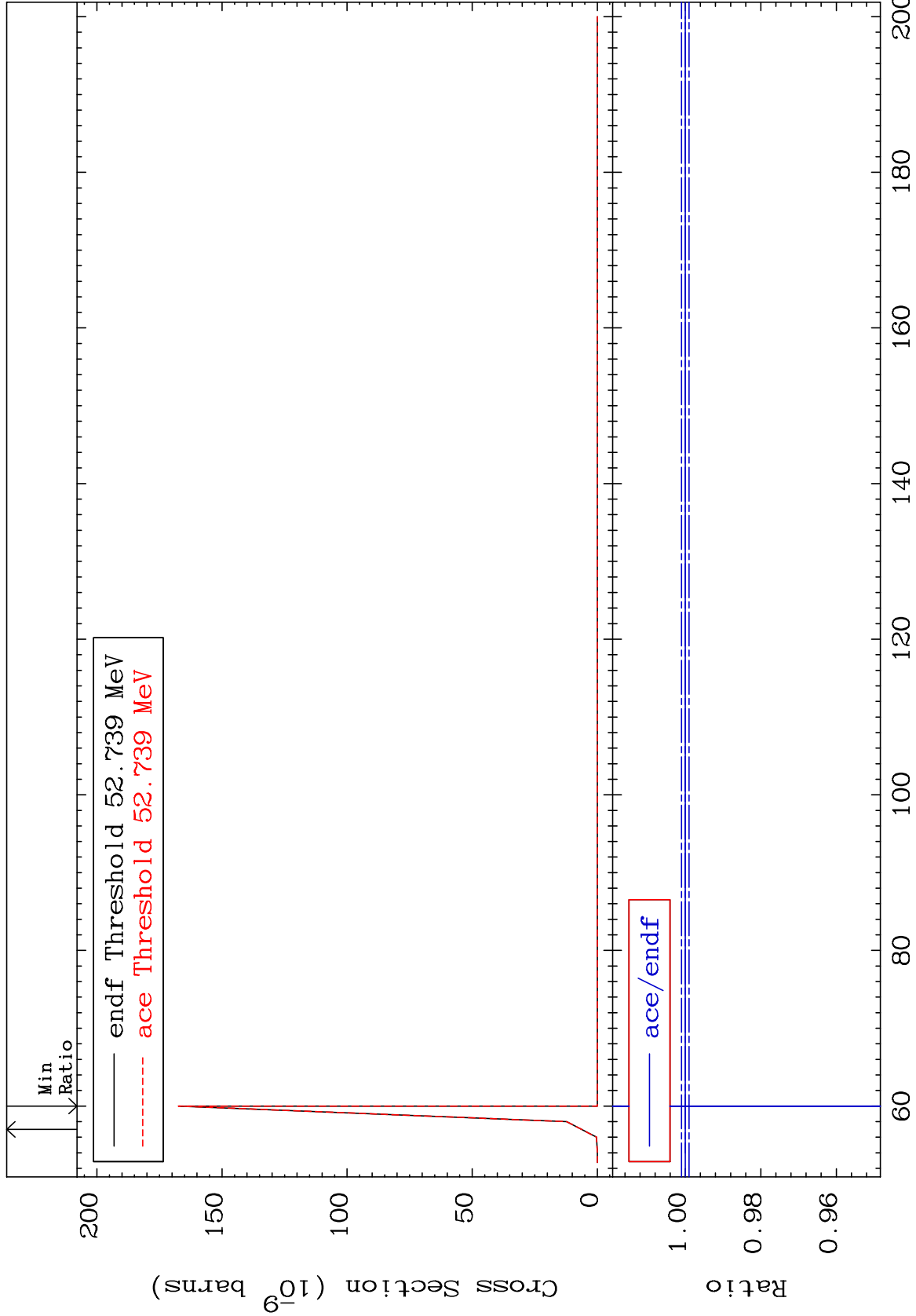
MAT 1525

(n,4n2p)

15-P -31

Cross Section

-100.0 To 0.000 %



94

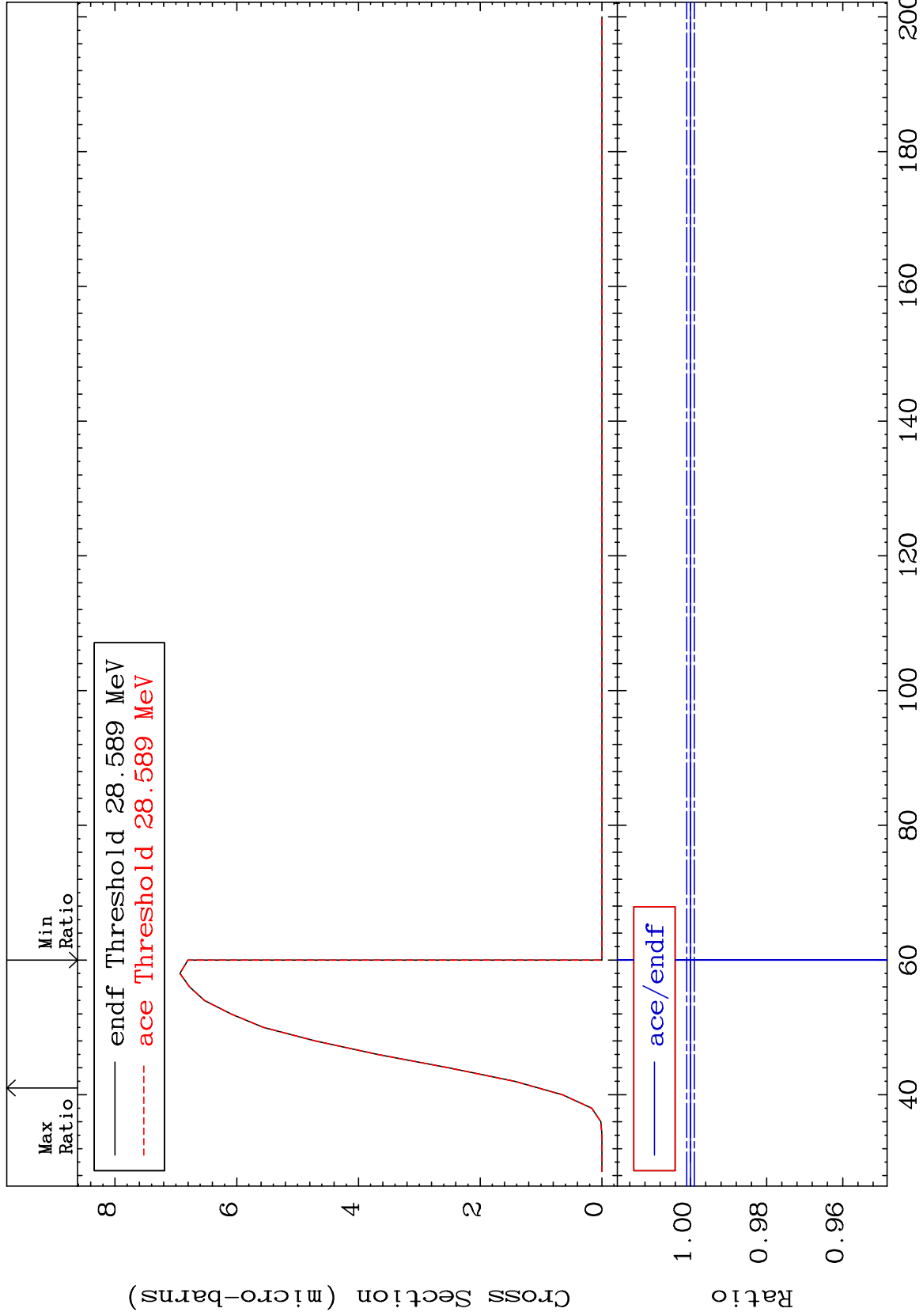
Incident Energy (MeV)

15-P -31

MAT 1525

(n,3p)  
Cross Section

15-P -31  
-100.0 To 0.000 %



95

Incident Energy (MeV)

15-P -31



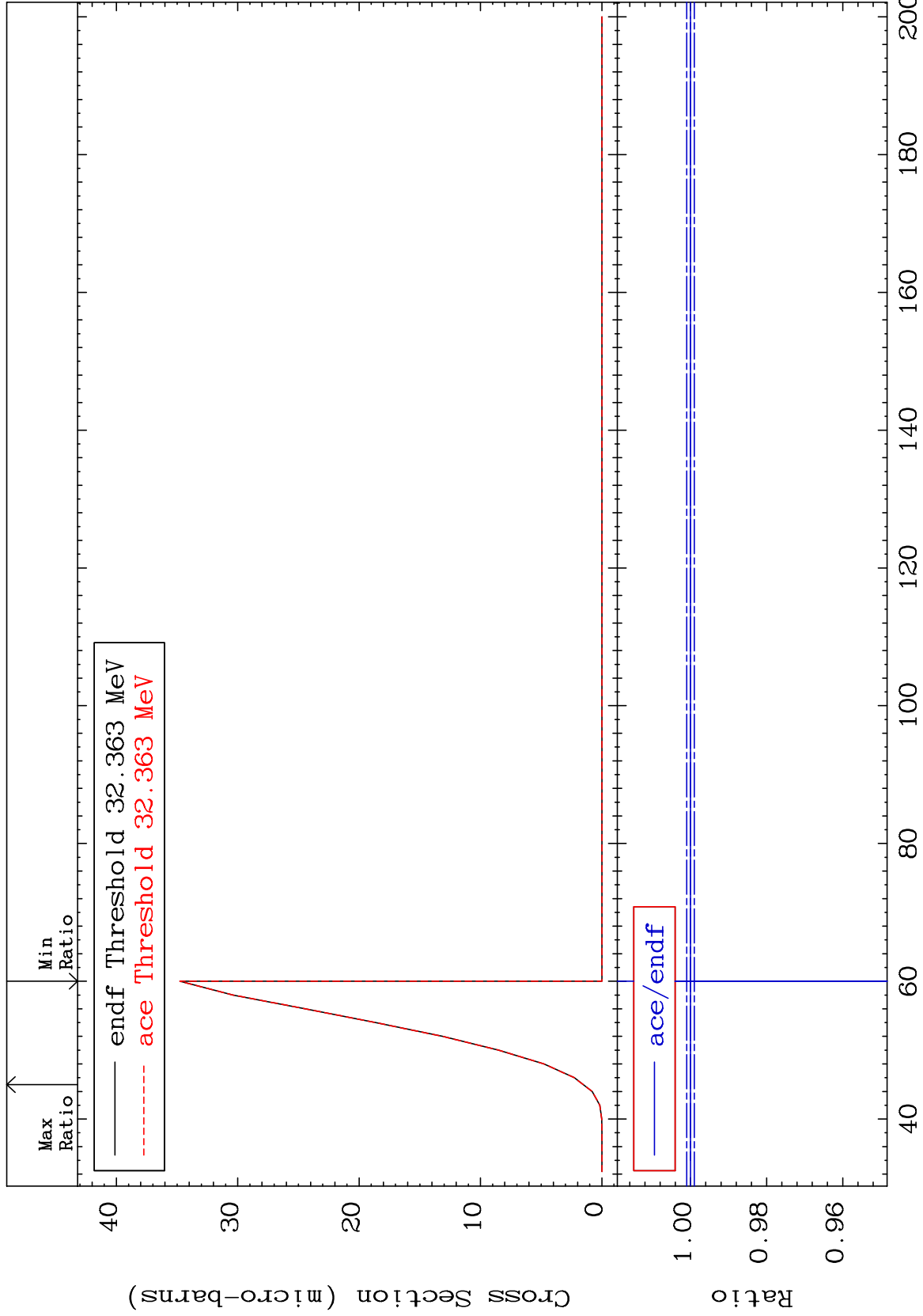
MAT 1525

(n, n'3p)

15-P -31

Cross Section

-100.0 To 0.000 %



96

Incident Energy (MeV)

15-P -31

MAT 1525

(n, 3n2pα)  
Cross Section

15-P -31  
-100.0 To 0.000 %

