

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

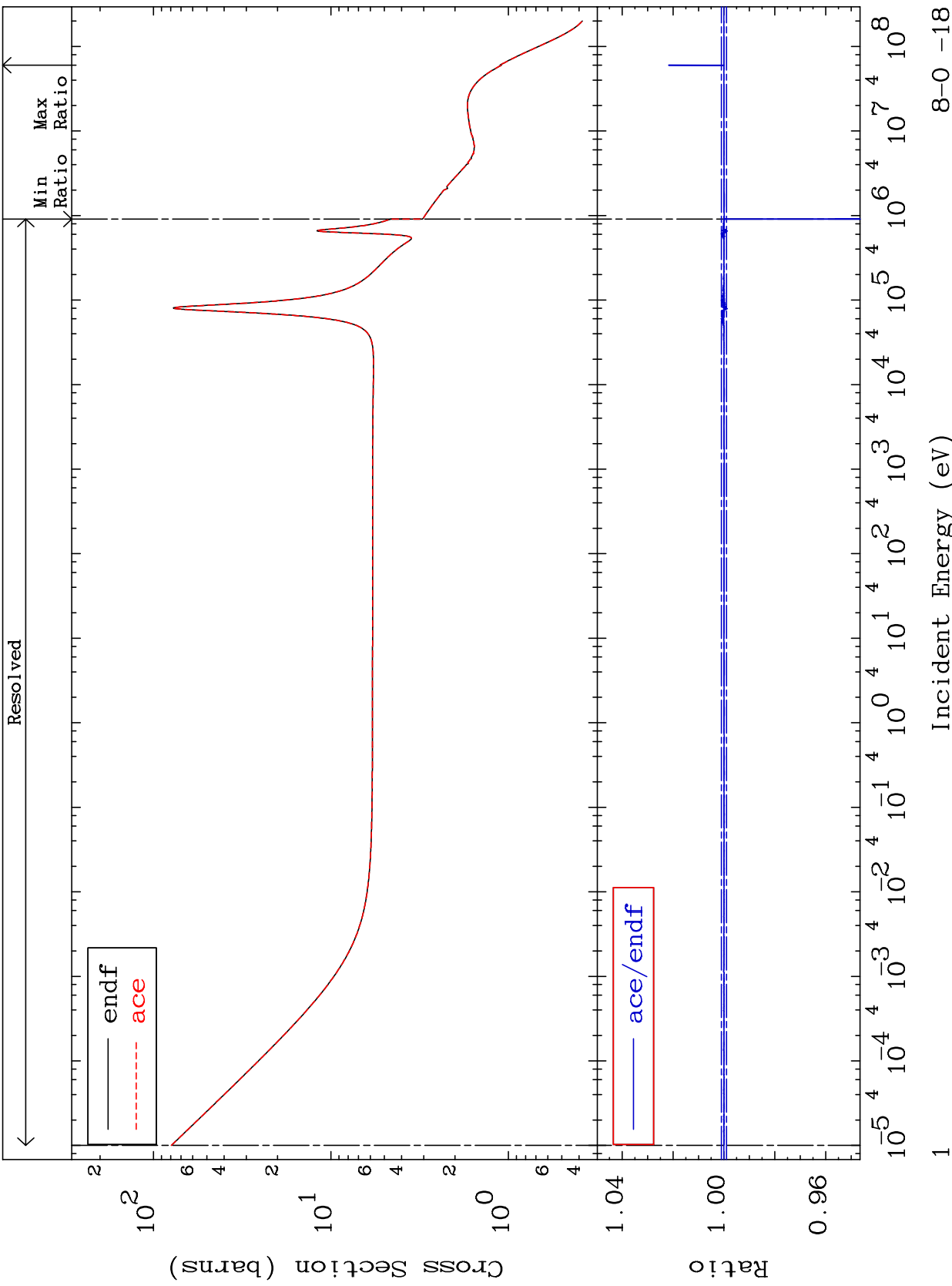
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 831

Total
Cross Section

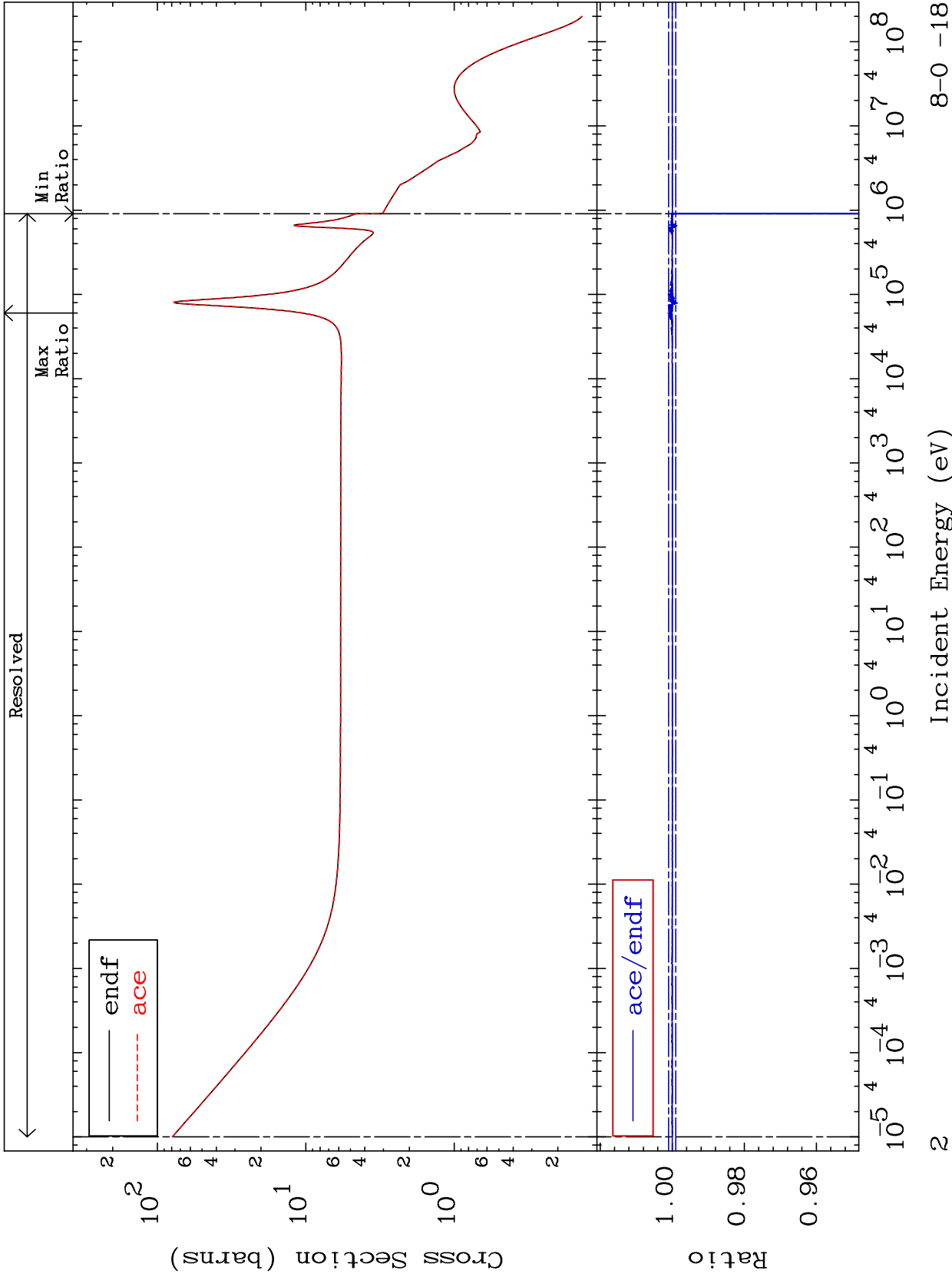
8-0 -18
-20.42 To 2.174 %



MAT 831

Elastic Cross Section

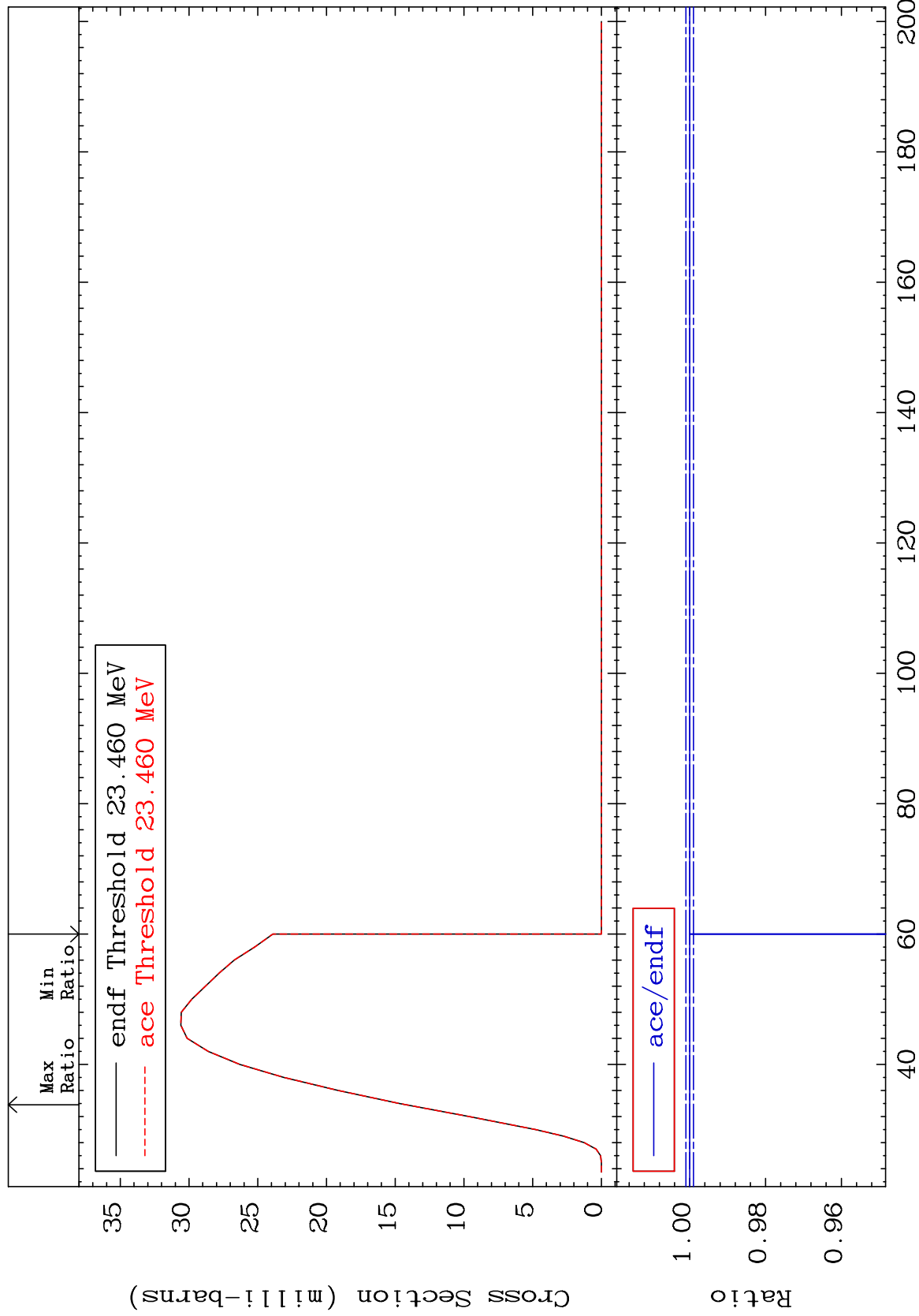
8-0 -18
-20.42 To 0.117 %



MAT 831

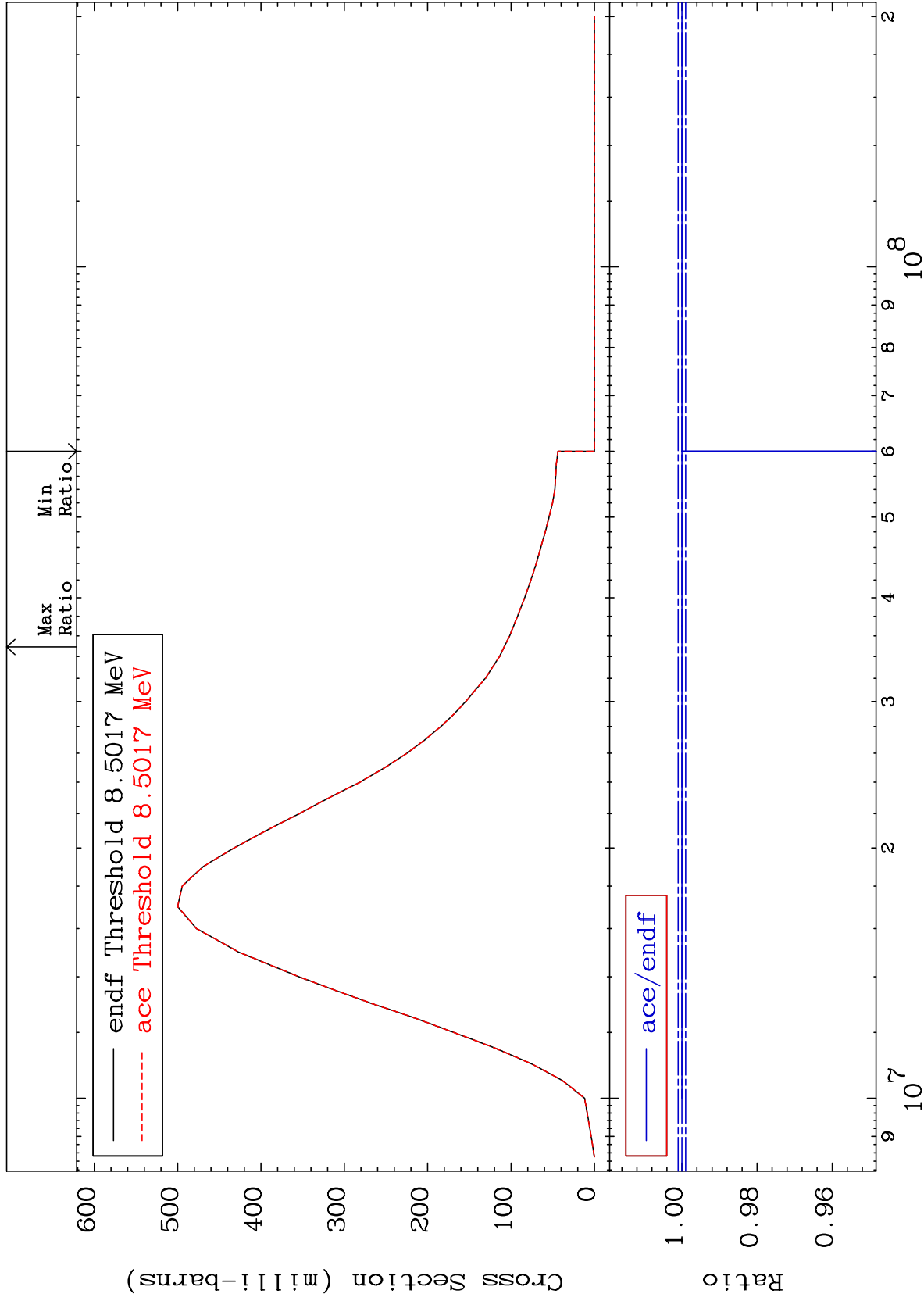
(n,2n) d
Cross Section

8-0 -18
-100.0 To 0.000 %



MAT 831

(n,2n)
Cross Section
8-0 -18
-100.0 To 0.000 %



4

Incident Energy (eV)

8-0 -18

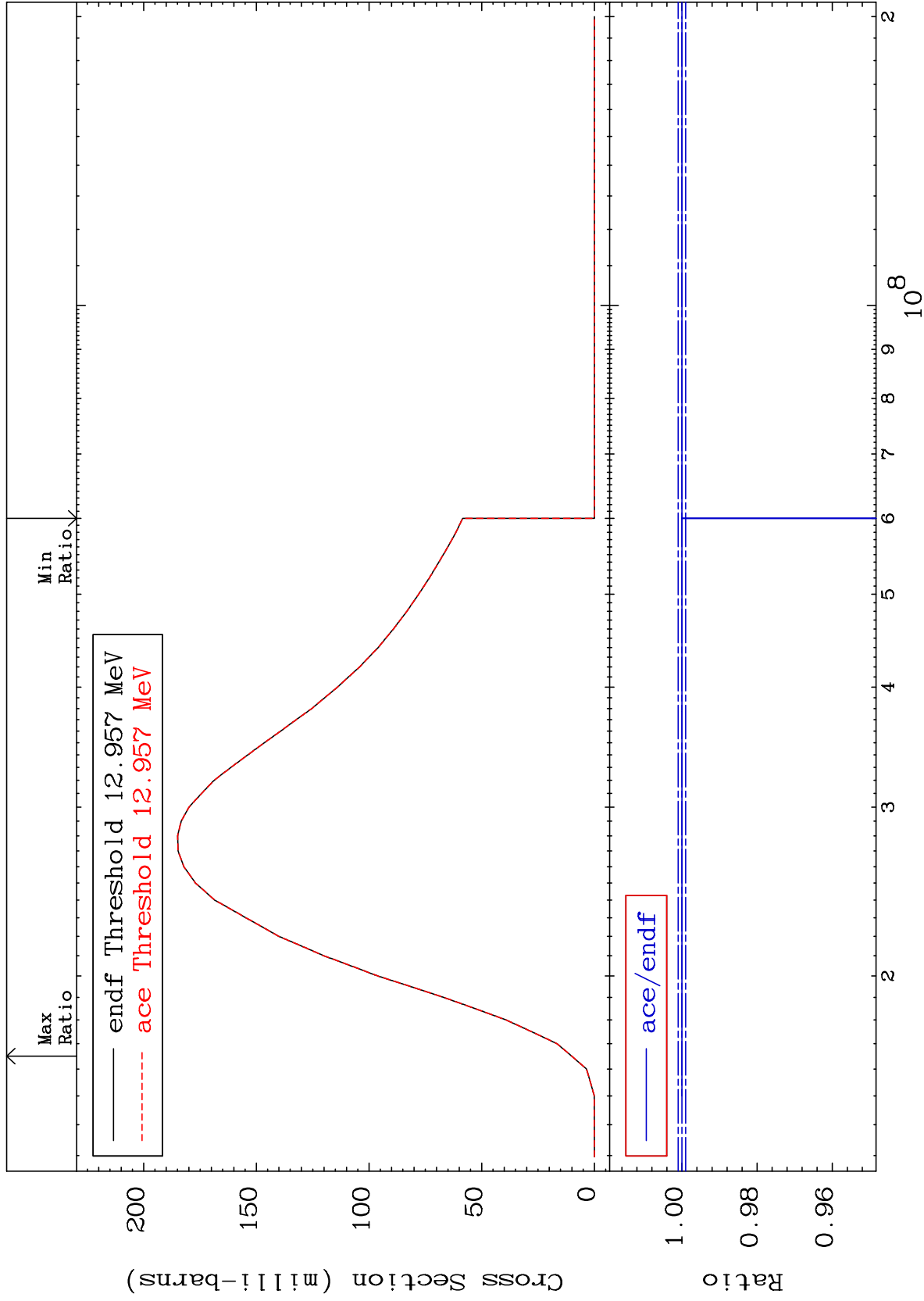
MAT 831

(n, 3n)

8-0 -18

Cross Section

-100.0 To 0.000 %



5

Incident Energy (eV)

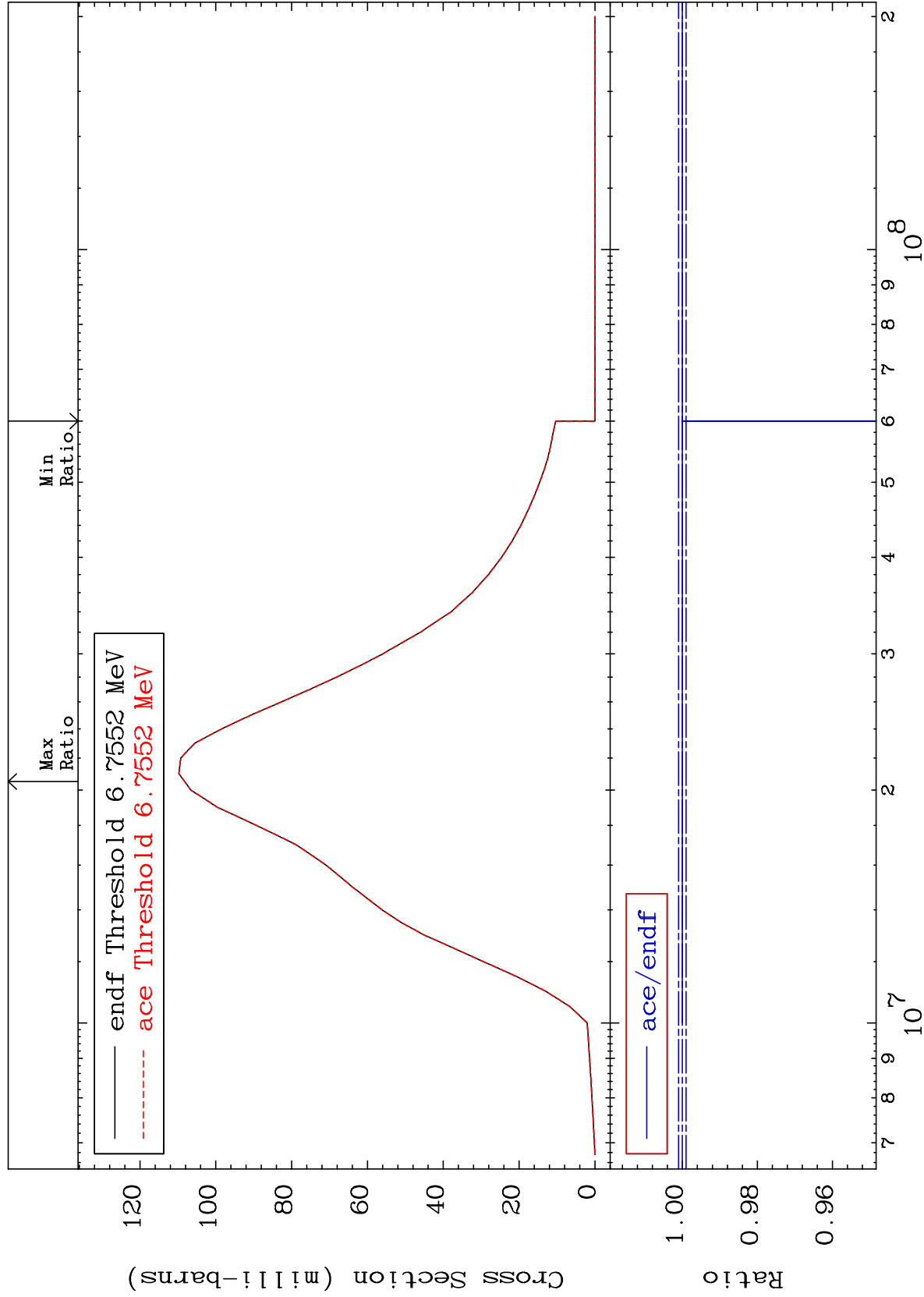
8-0 -18

MAT 831

(n, n') α

Cross Section

8-0 -18
-100.0 To 0.000 %



6

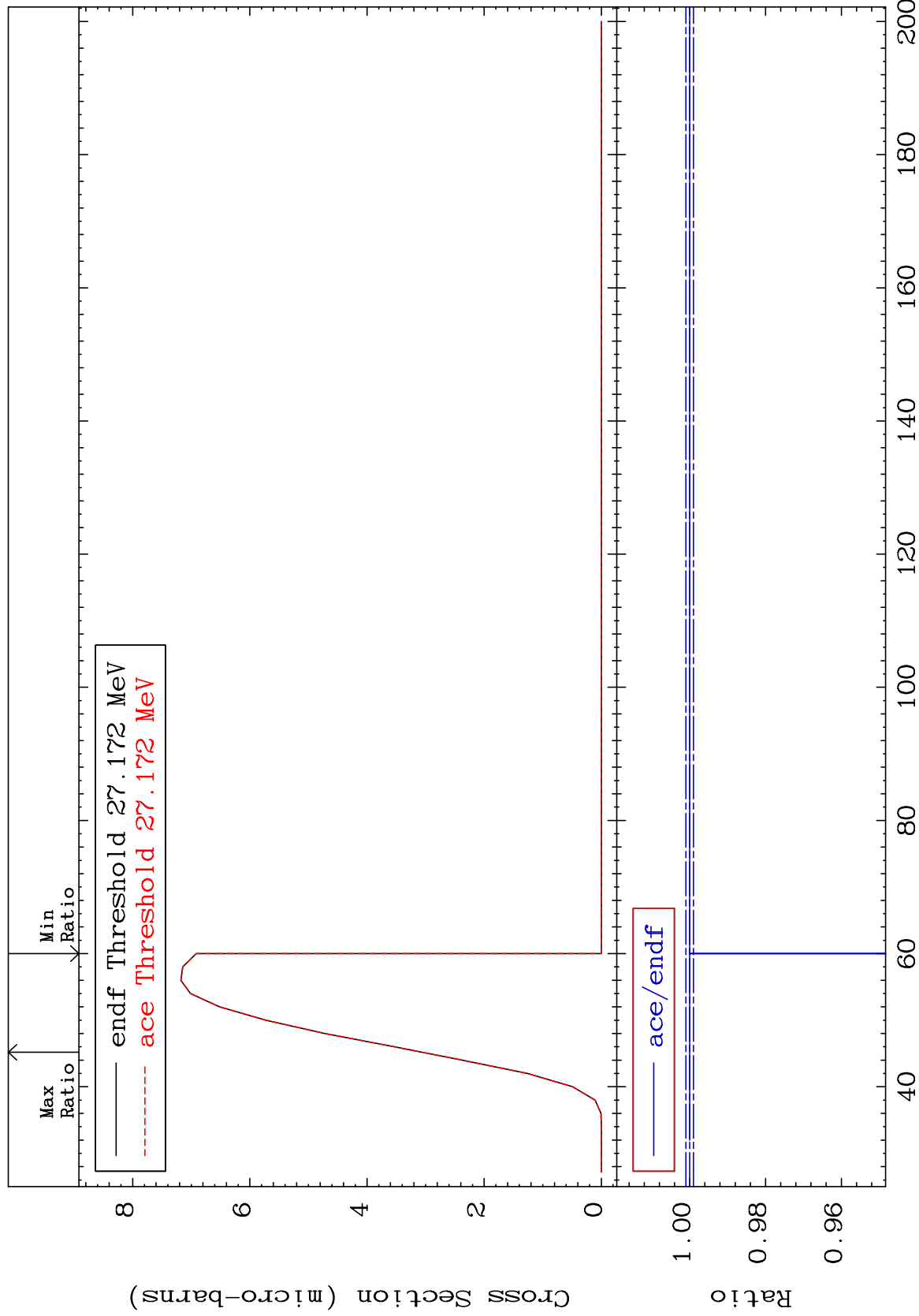
Incident Energy (eV)

8-0 -18

MAT 831

(n, n') 3 α
Cross Section

8-0 -18
-100.0 To 0.000 %



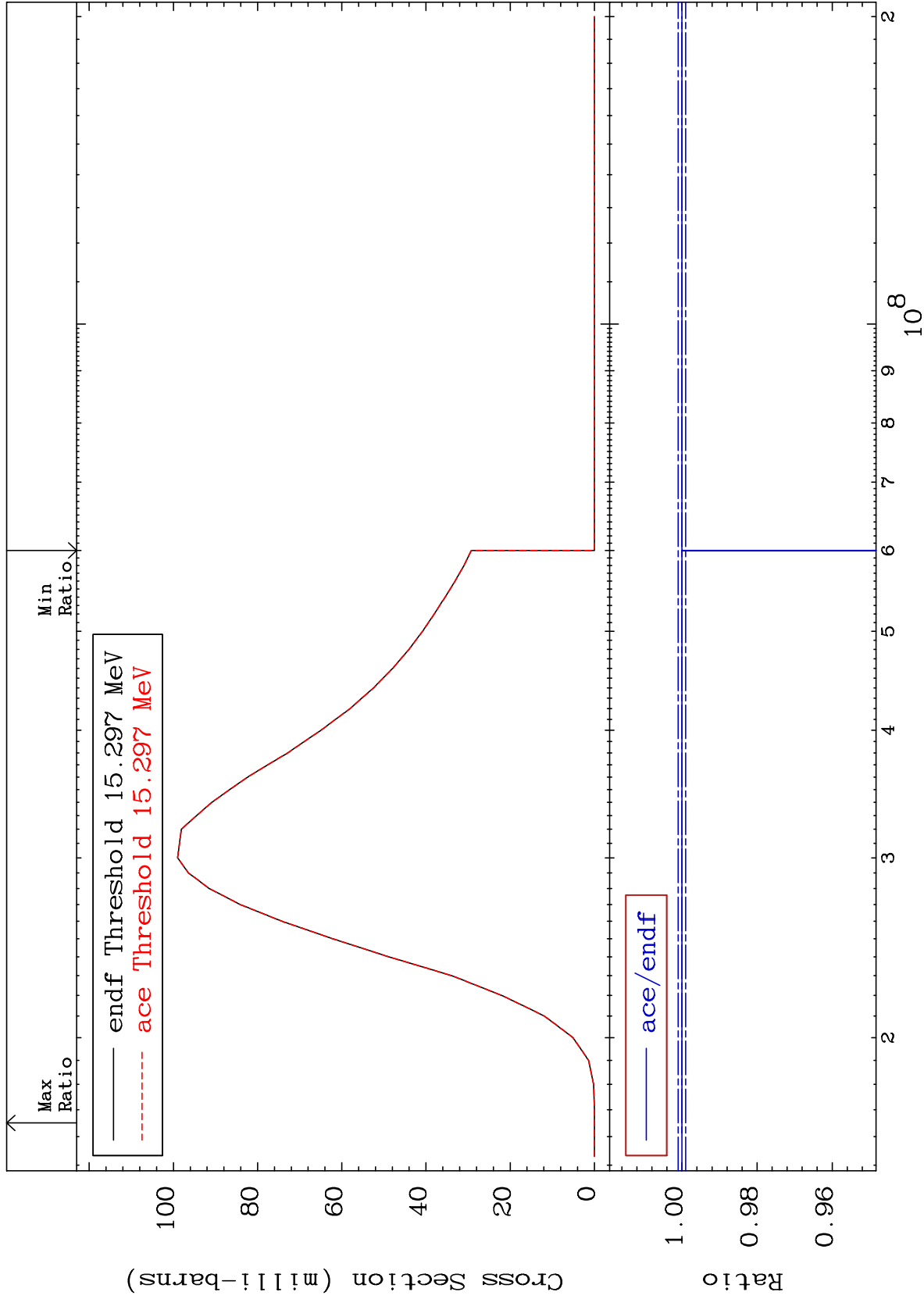
MAT 831

(n,2n) α

8-0 -18

Cross Section

-100.0 To 0.000 %



8

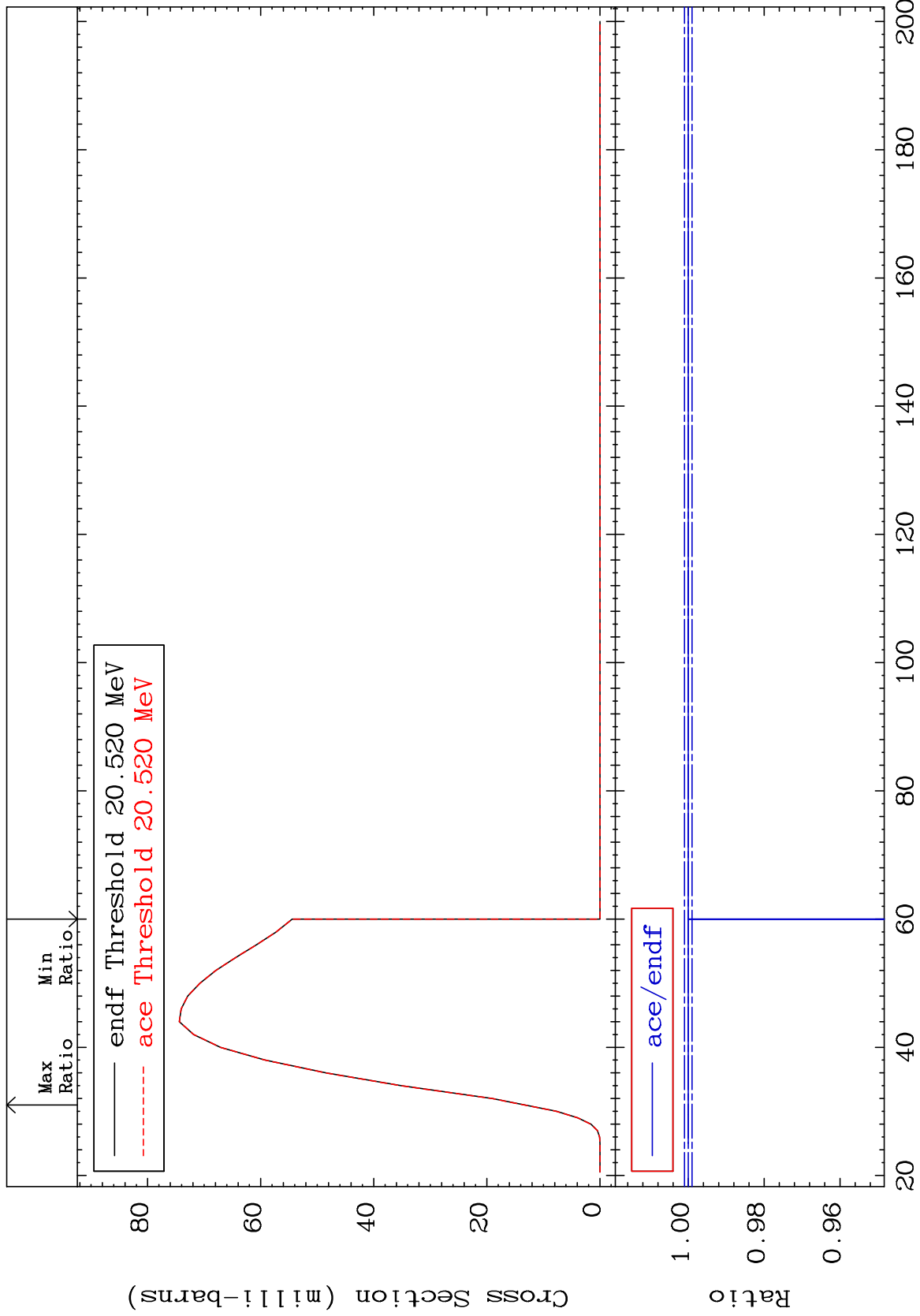
Incident Energy (eV)

8-0 -18

MAT 831

(n, 3n) α
Cross Section

8-0 -18
-100.0 To 0.000 %



9

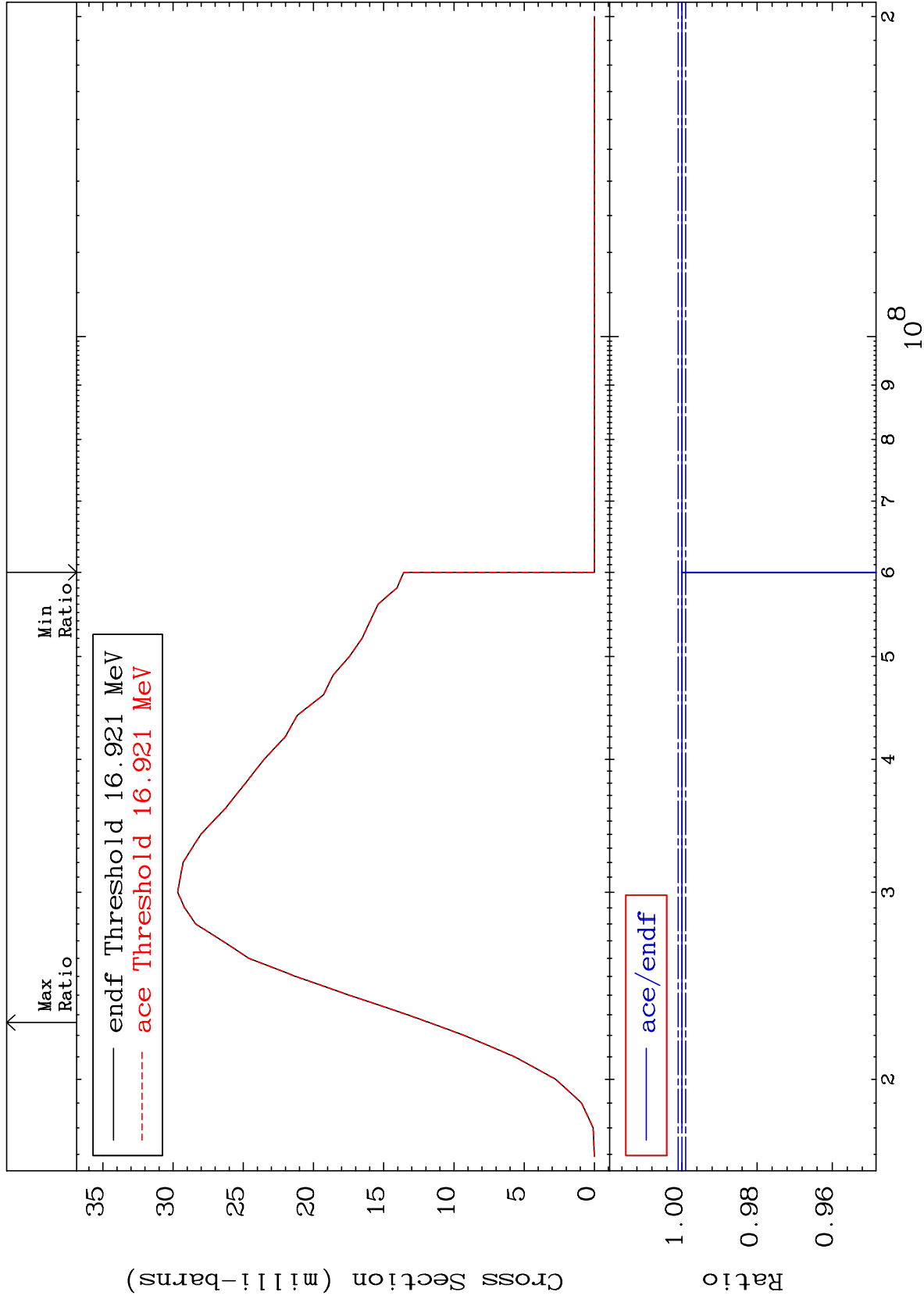
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n') p
Cross Section

8-0 -18
-100.0 To 0.000 %



10

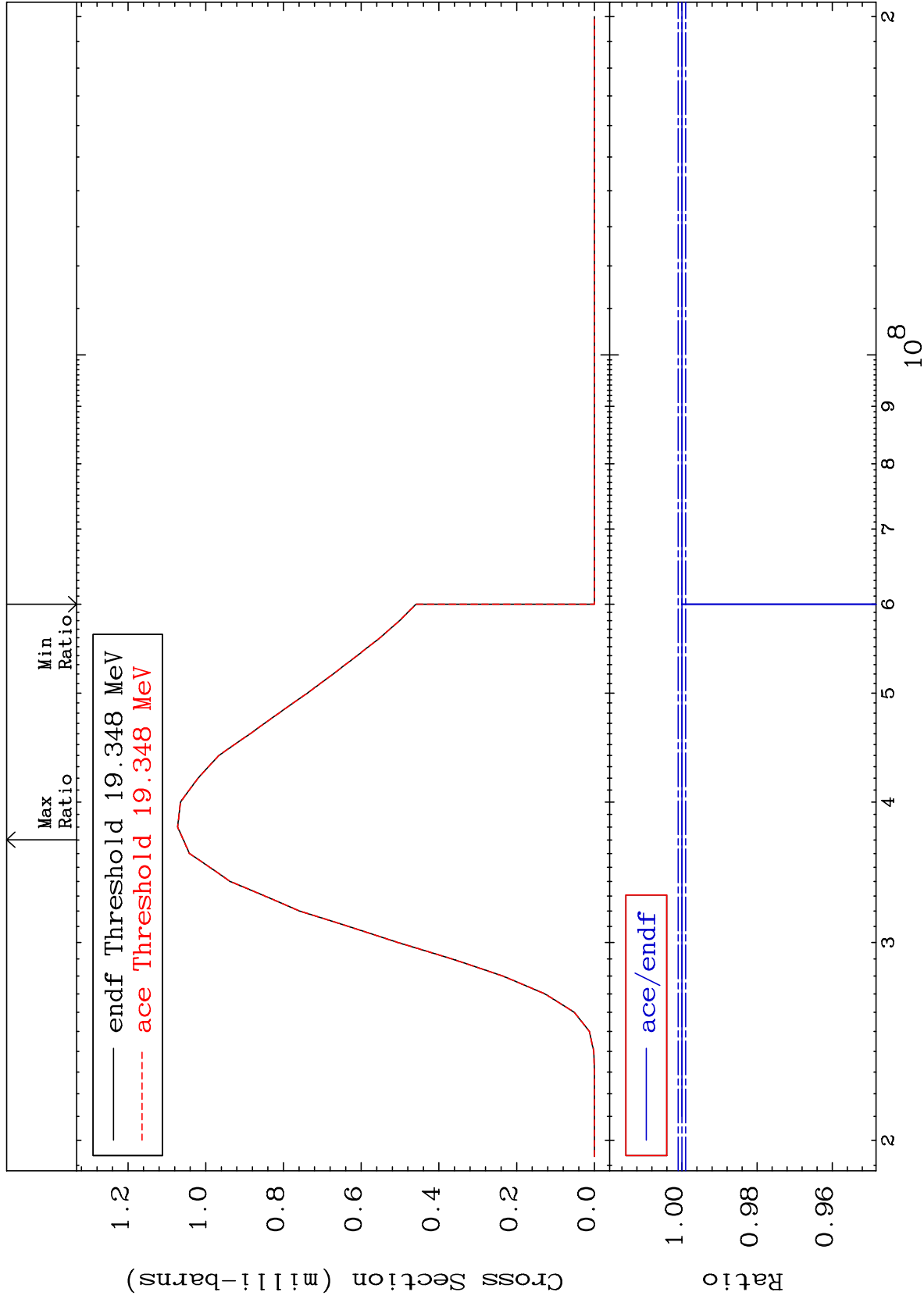
Incident Energy (eV)

8-0 -18

MAT 831

(n, n') 2α
Cross Section

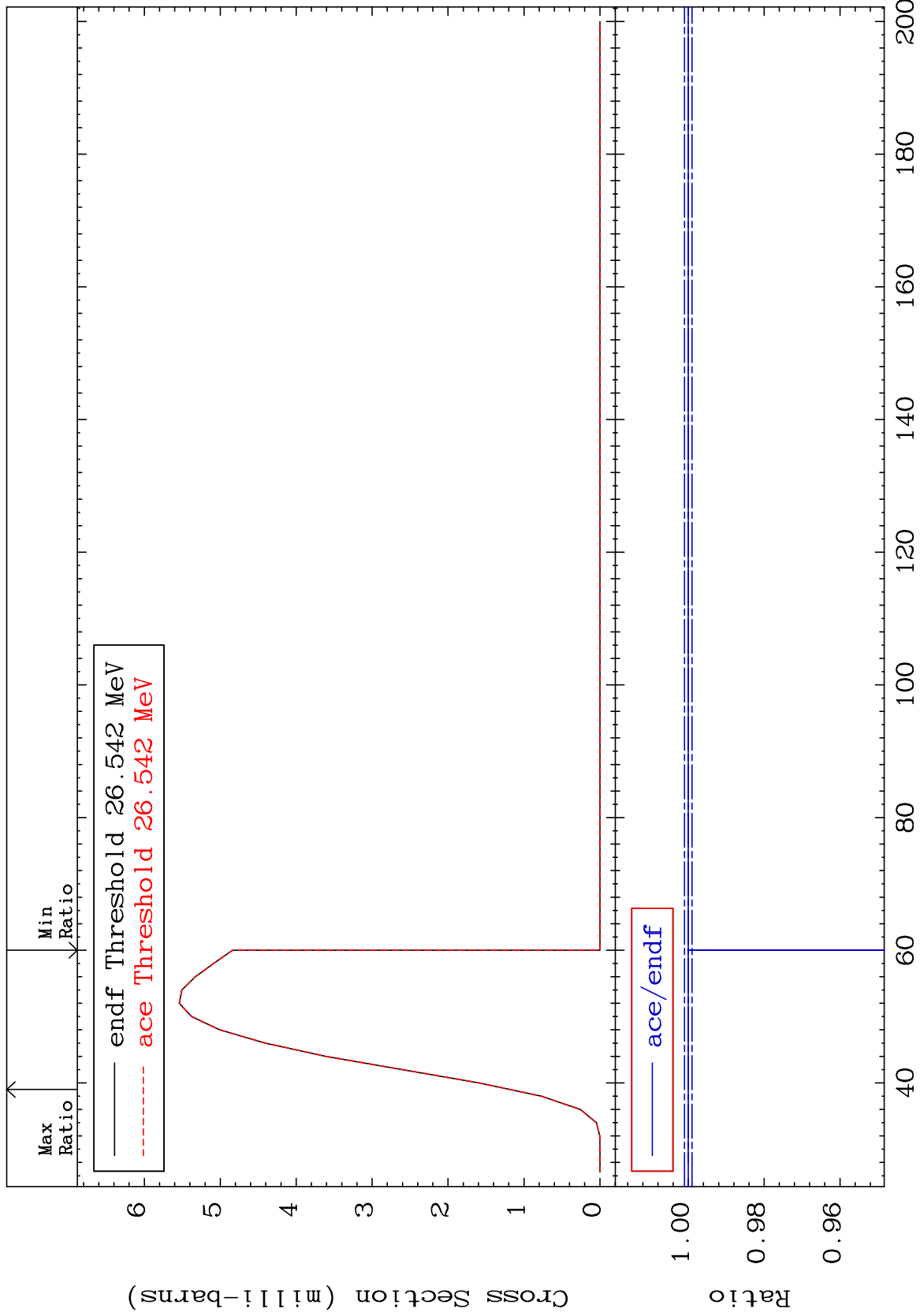
8-0 -18
-100.0 To 0.000 %



MAT 831

(n,2n) 2α
Cross Section

8-0 -18
-100.0 To 0.000 %



12

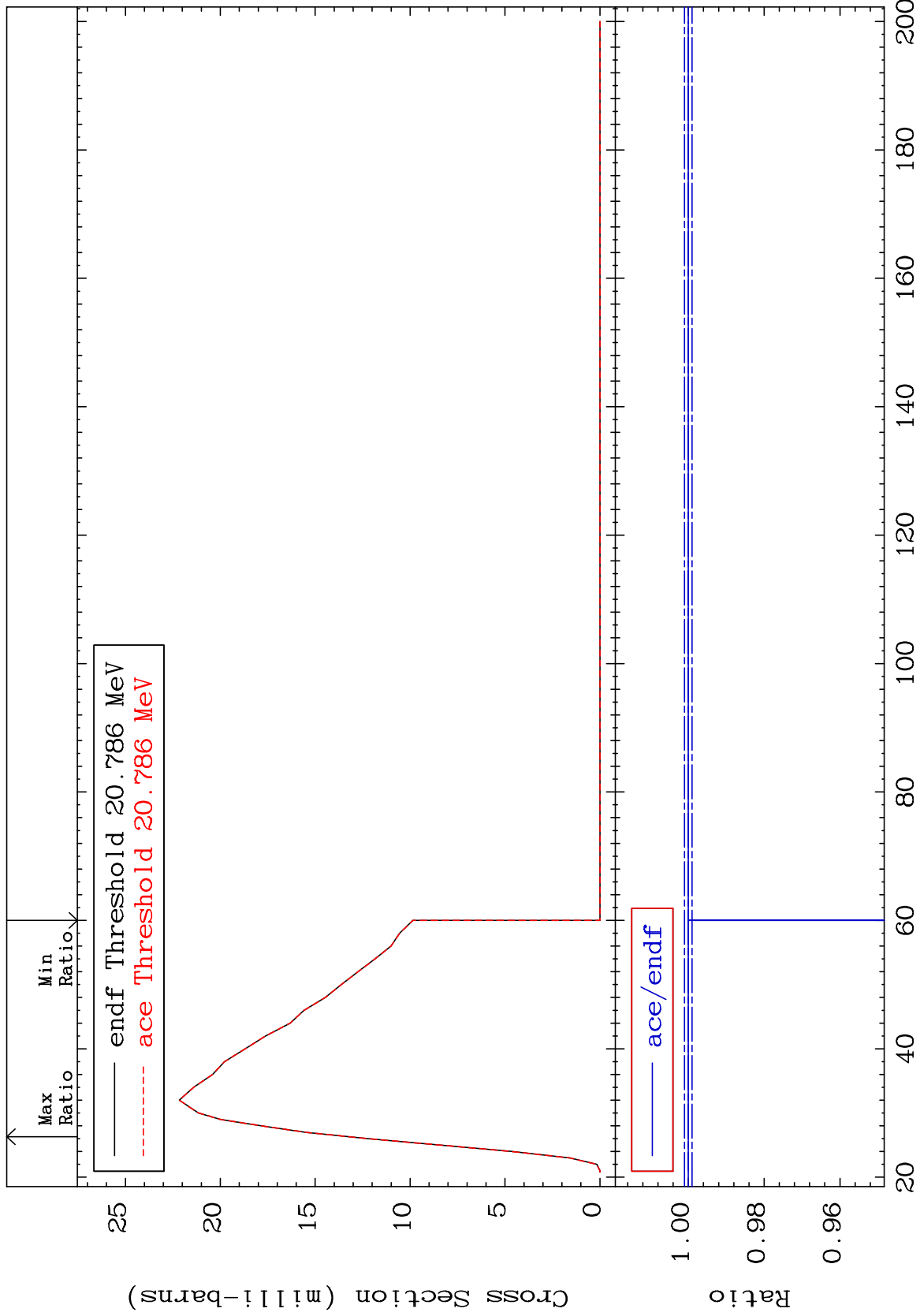
Incident Energy (MeV)

8-0 -18

MAT 831

(n,n') d
Cross Section

8-0 -18
-100.0 To 0.000 %



13

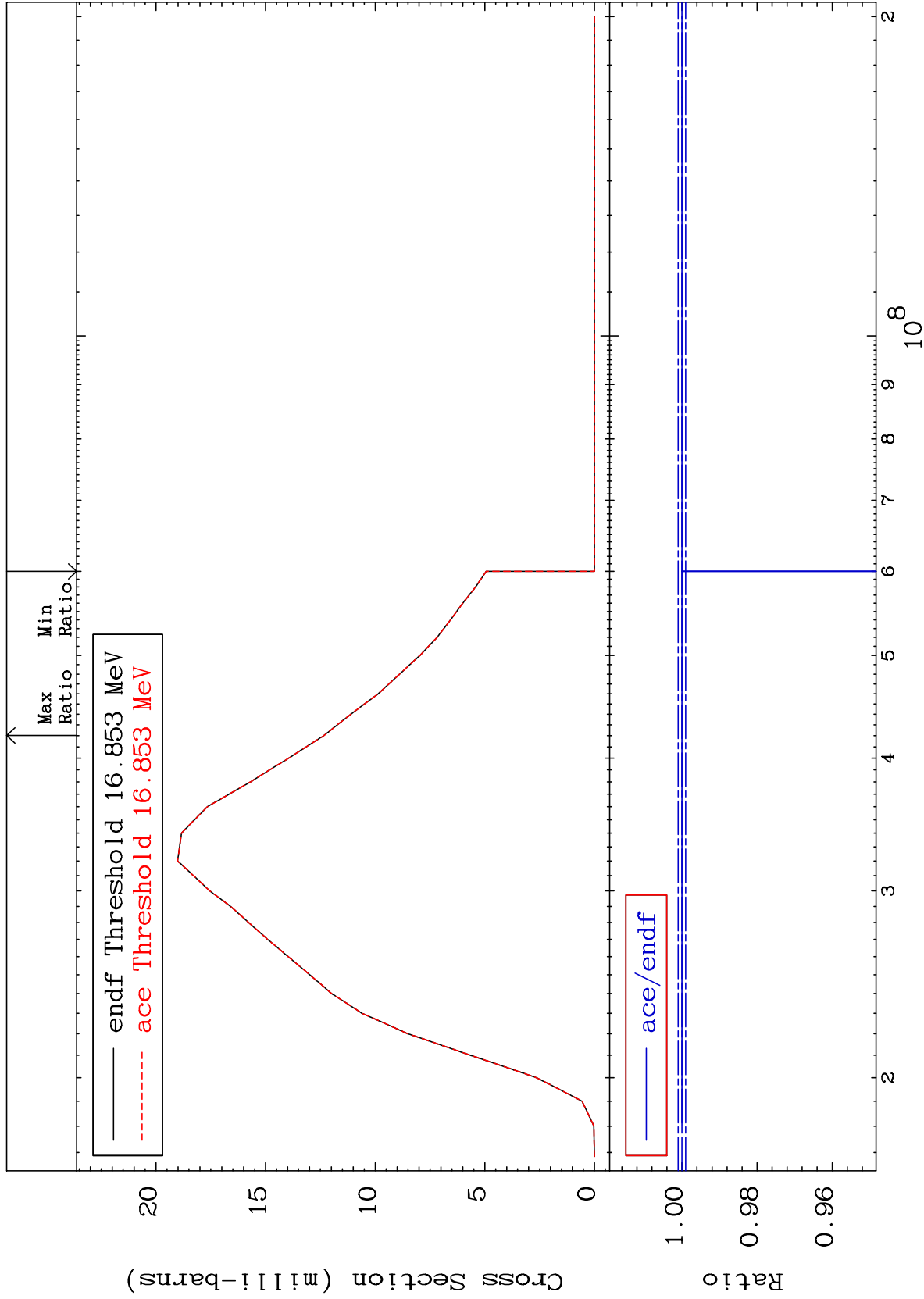
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n') t
Cross Section

8-0 -18
-100.0 To 0.000 %



— endf Threshold 16.853 MeV
- - - ace Threshold 16.853 MeV

— ace/endf

14

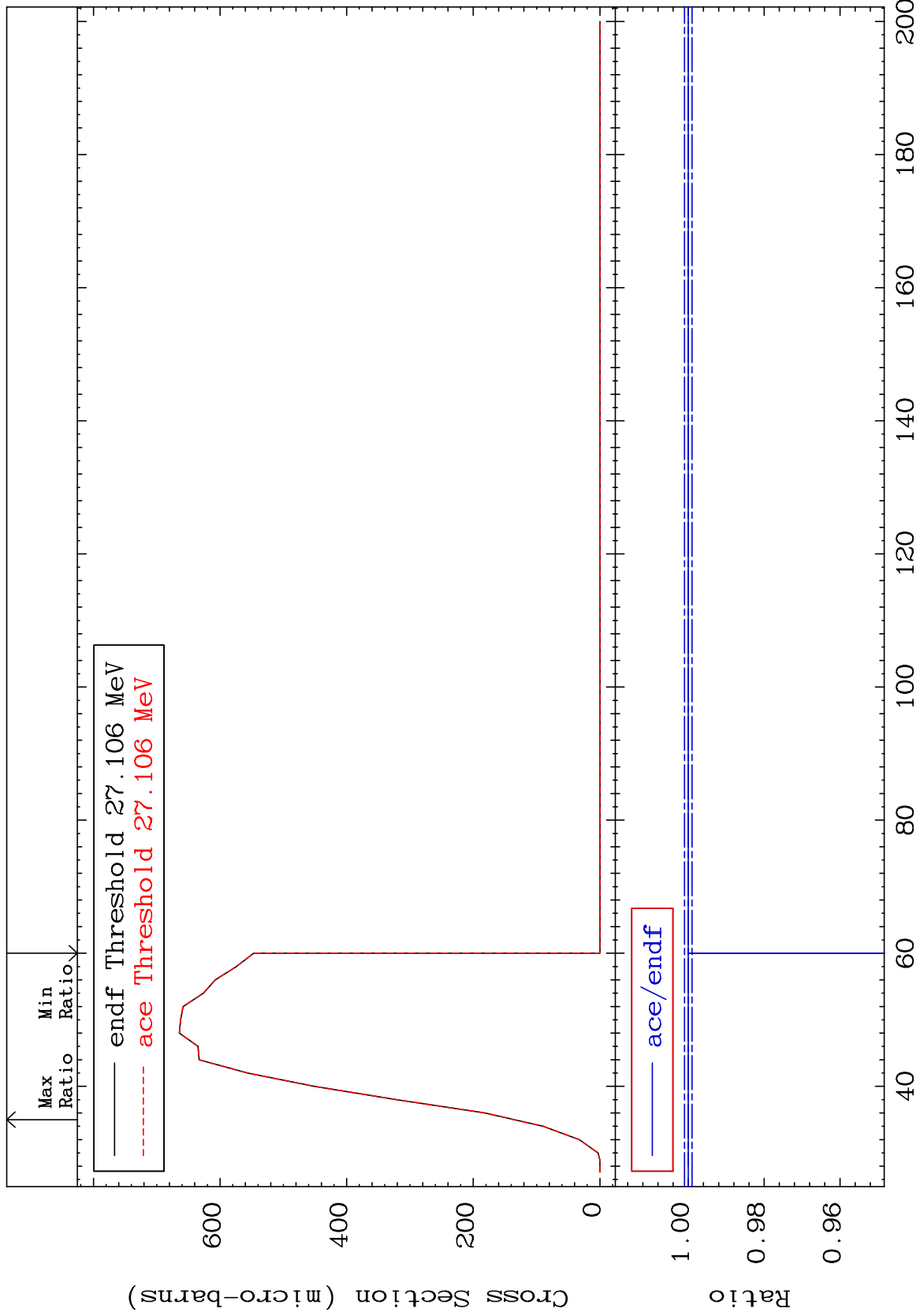
Incident Energy (eV)

8-0 -18

MAT 831

(n,n') He-3
Cross Section

8-0 -18
-100.0 To 0.000 %



15

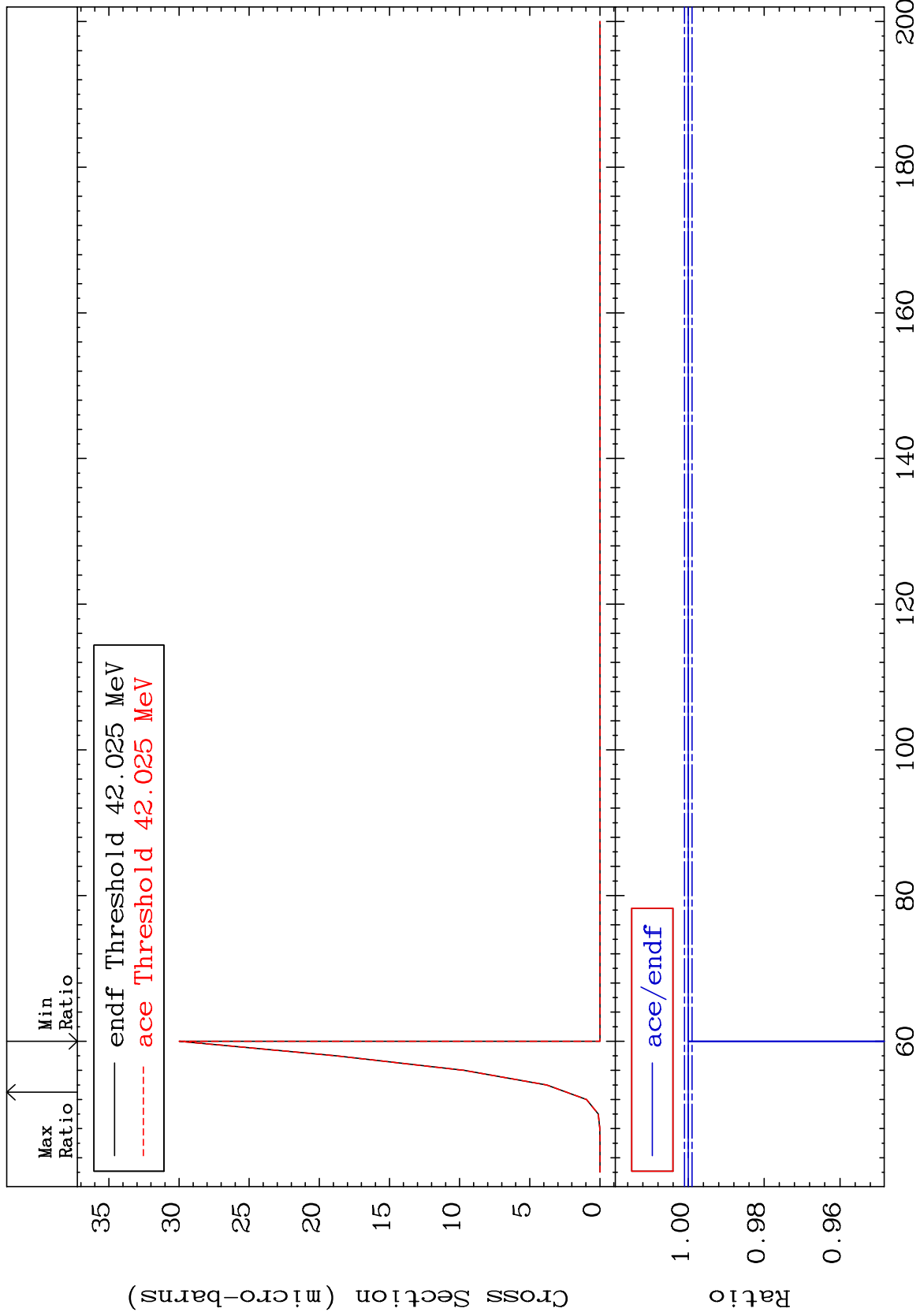
Incident Energy (MeV)

8-0 -18

MAT 831

(n,n') d,2α
Cross Section

8-0 -18
-100.0 To 0.000 %



16

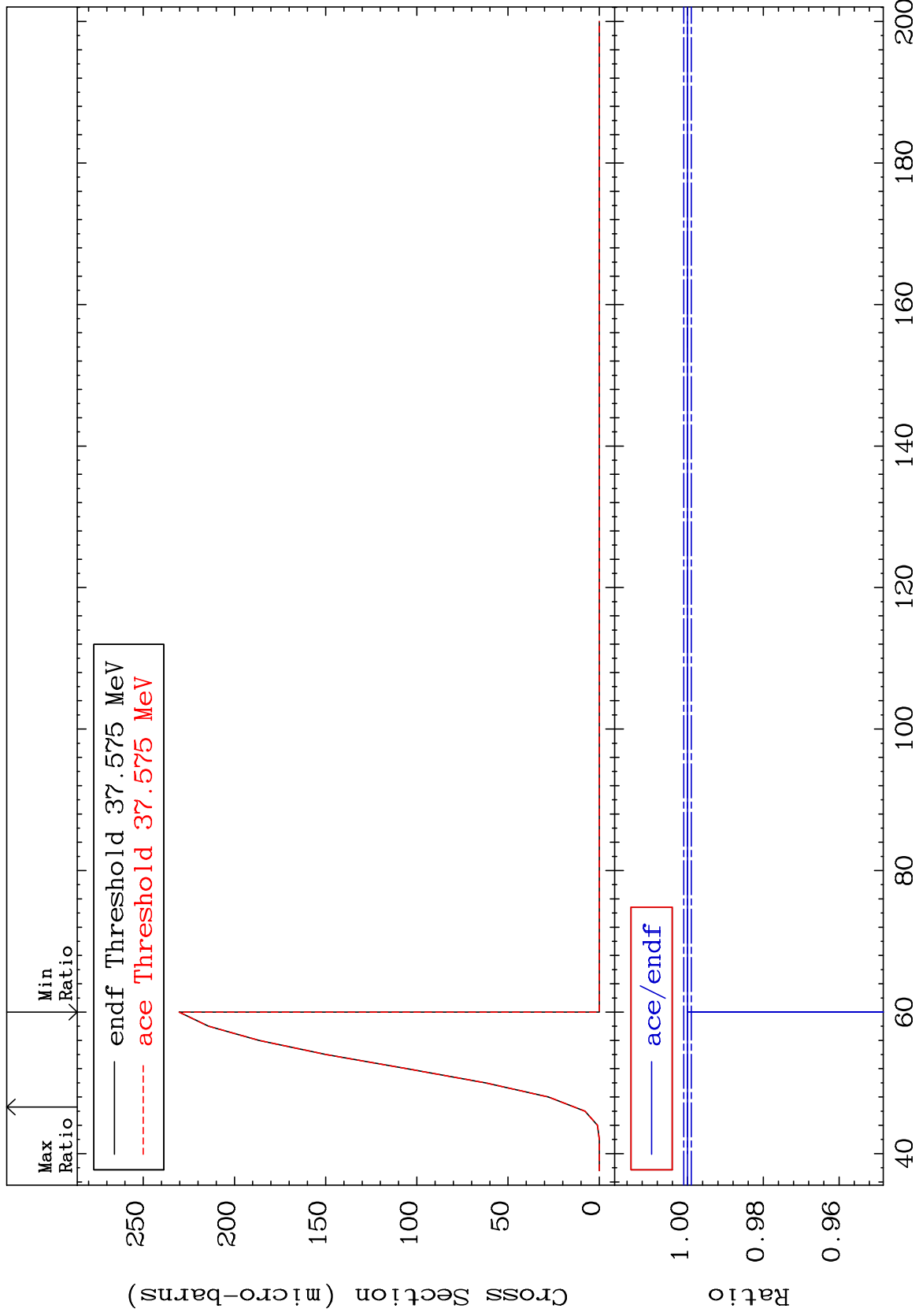
Incident Energy (MeV)

8-0 -18

MAT 831

(n,n') t,2α
Cross Section

8-0 -18
-100.0 To 0.000 %



17

Incident Energy (MeV)

8-0 -18

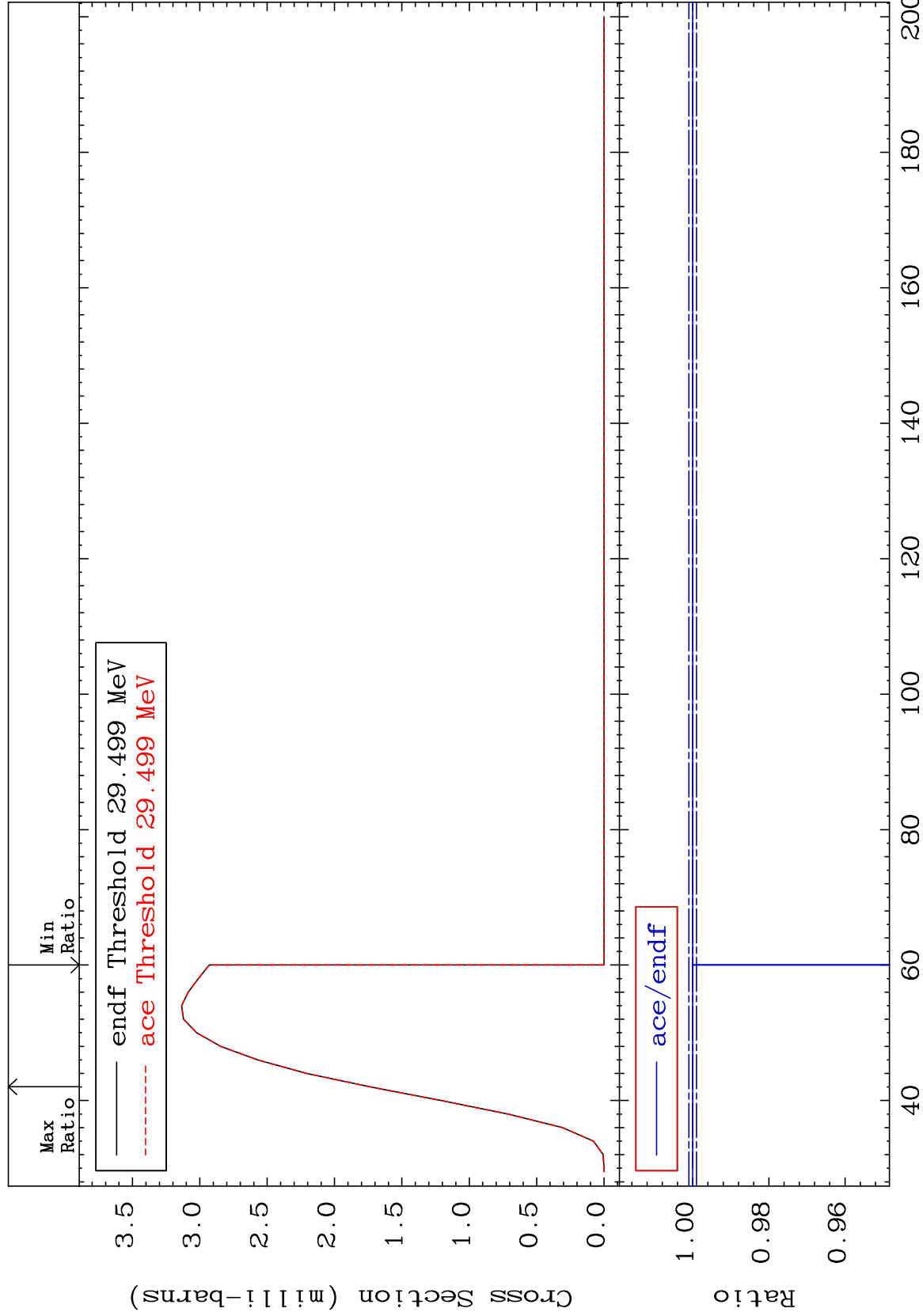
MAT 831

(n, 4n)

8-0 -18

Cross Section

-100.0 To 0.000 %



18

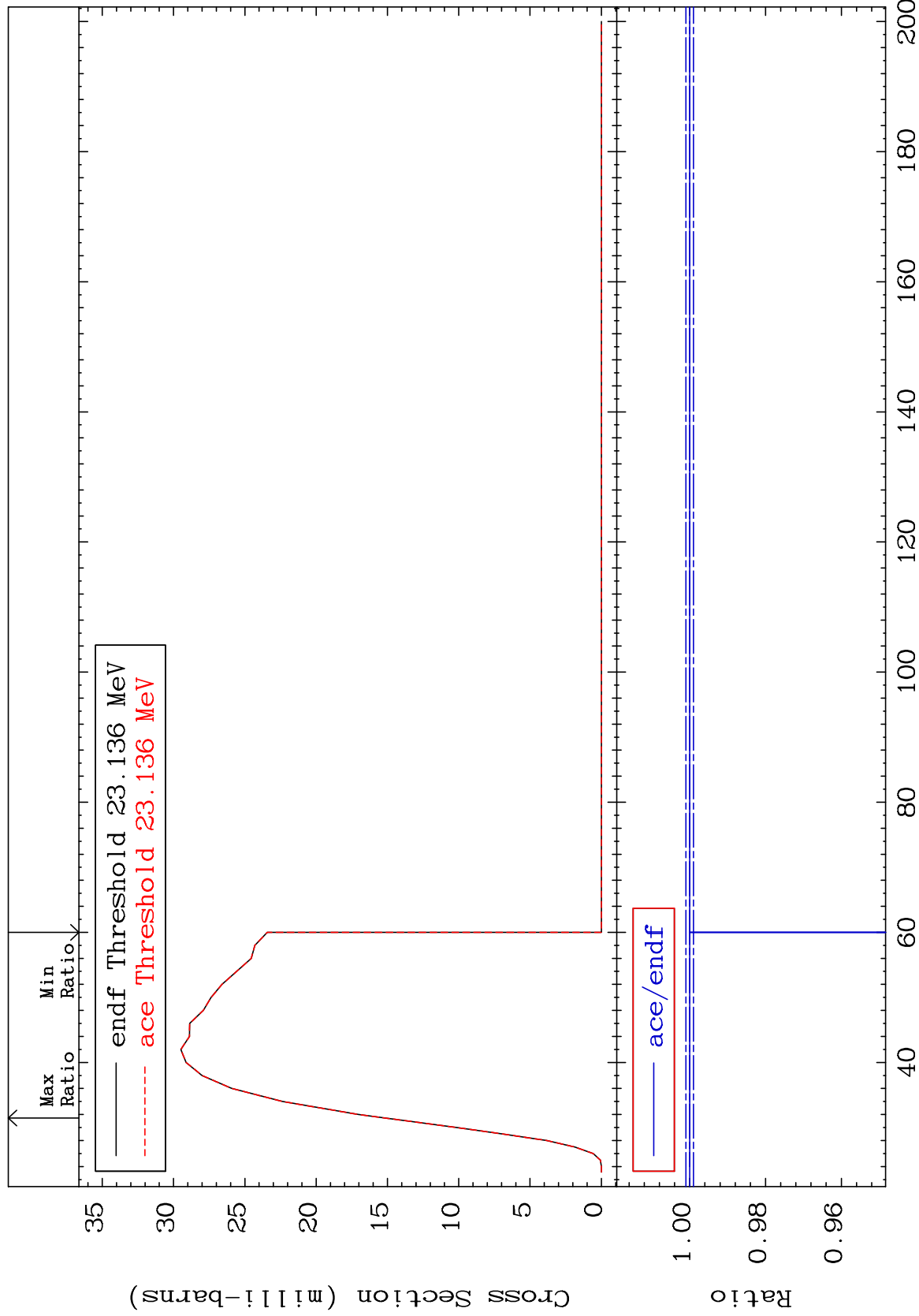
Incident Energy (MeV)

8-0 -18

MAT 831

(n,2n) p
Cross Section

8-0 -18
-100.0 To 0.000 %



19

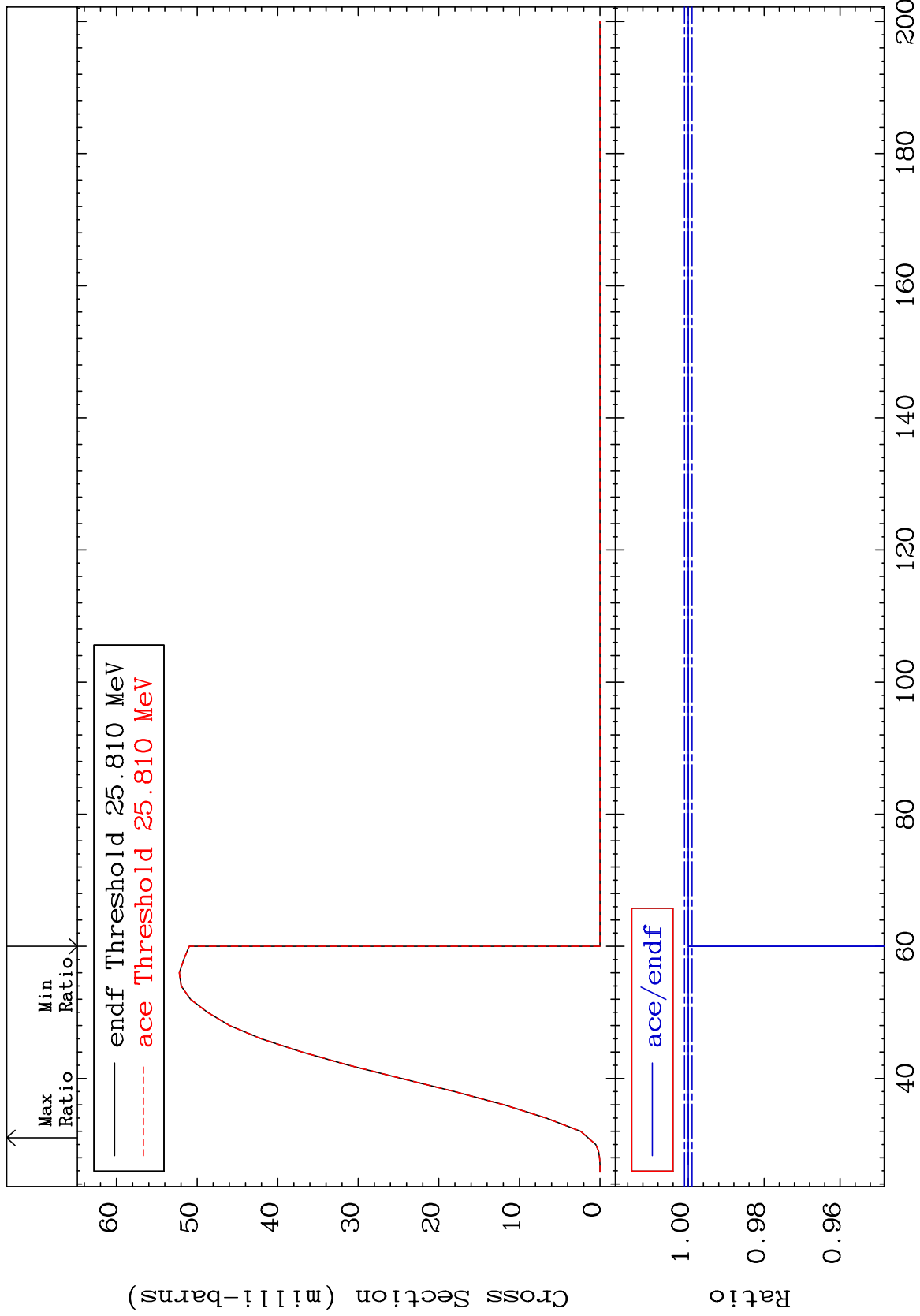
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 3n) p
Cross Section

8-0 -18
-100.0 To 0.000 %



20

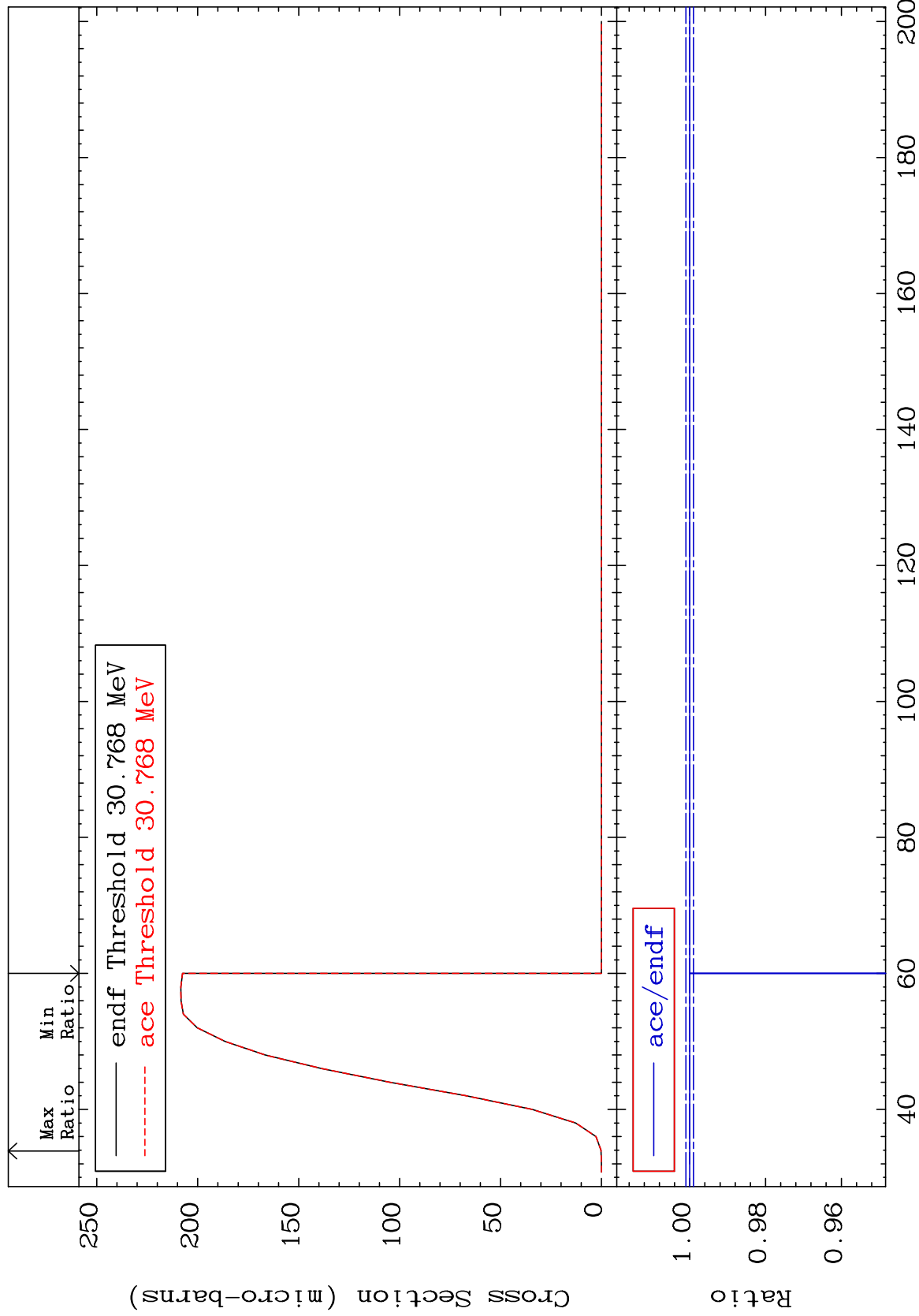
Incident Energy (MeV)

8-0 -18

MAT 831

(n,2n) p
Cross Section

8-0 -18
-100.0 To 0.000 %



21

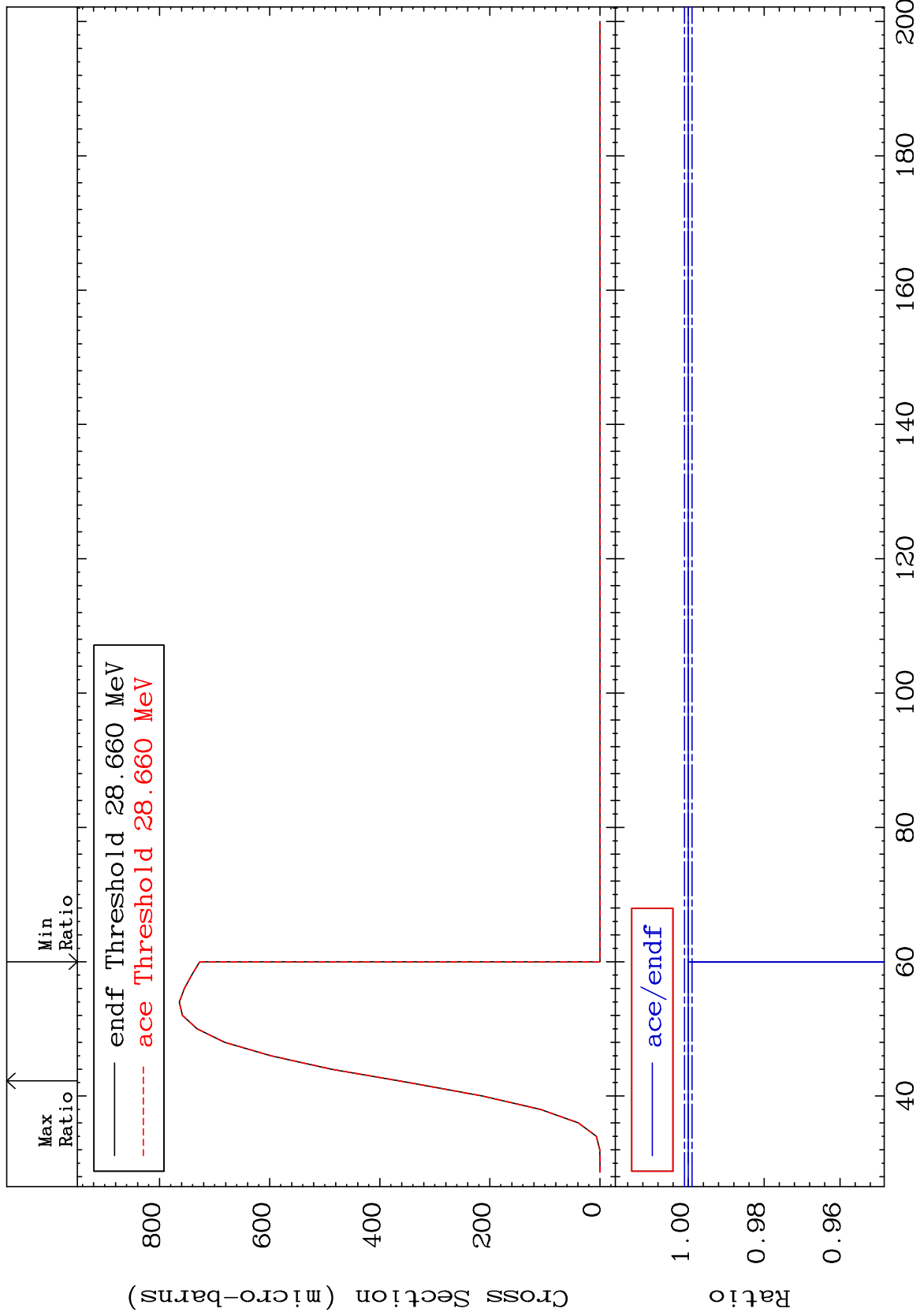
Incident Energy (MeV)

8-0 -18

MAT 831

(n,n') p α
Cross Section

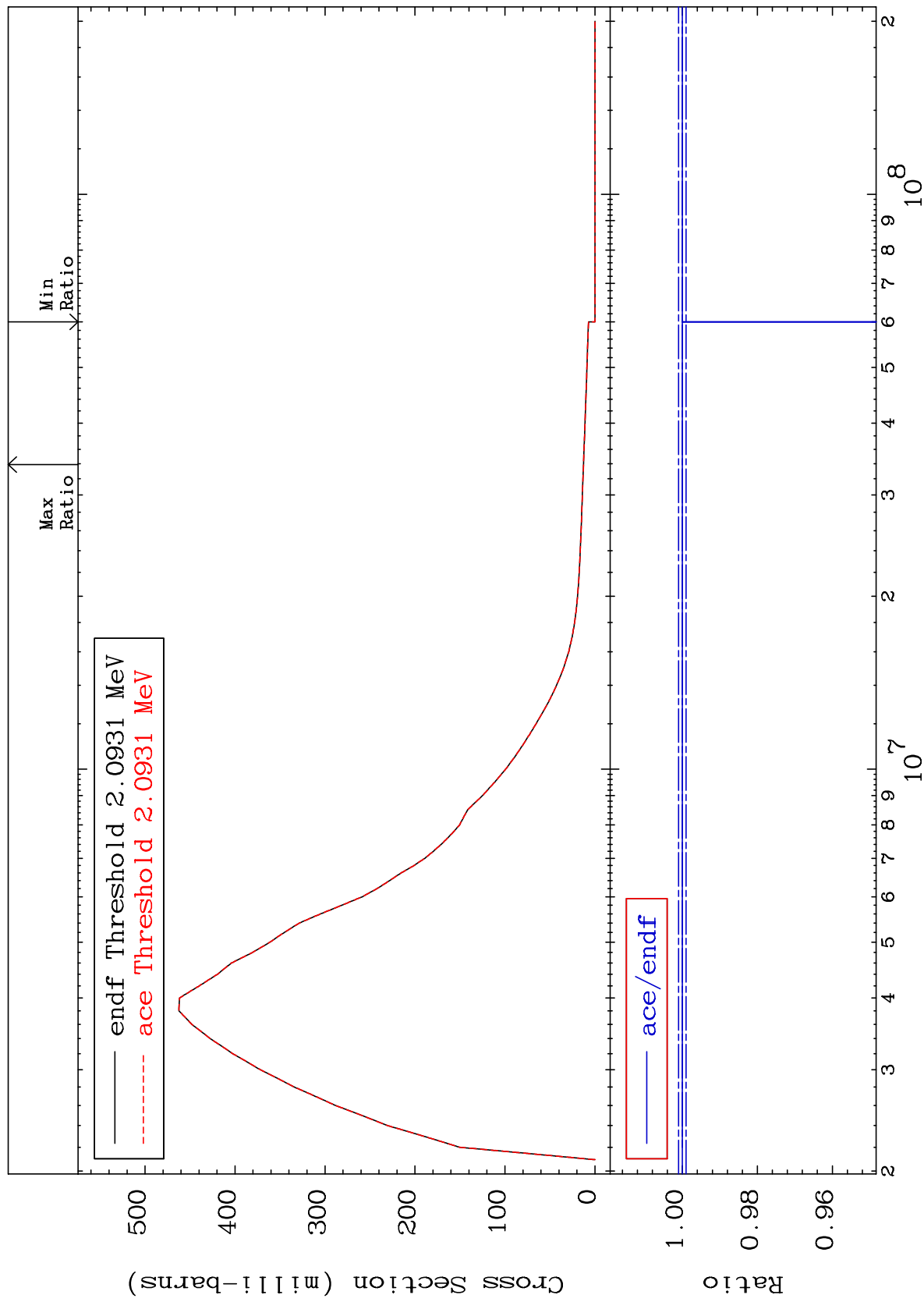
8-0 -18
-100.0 To 0.000 %



MAT 831

1.982 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



23

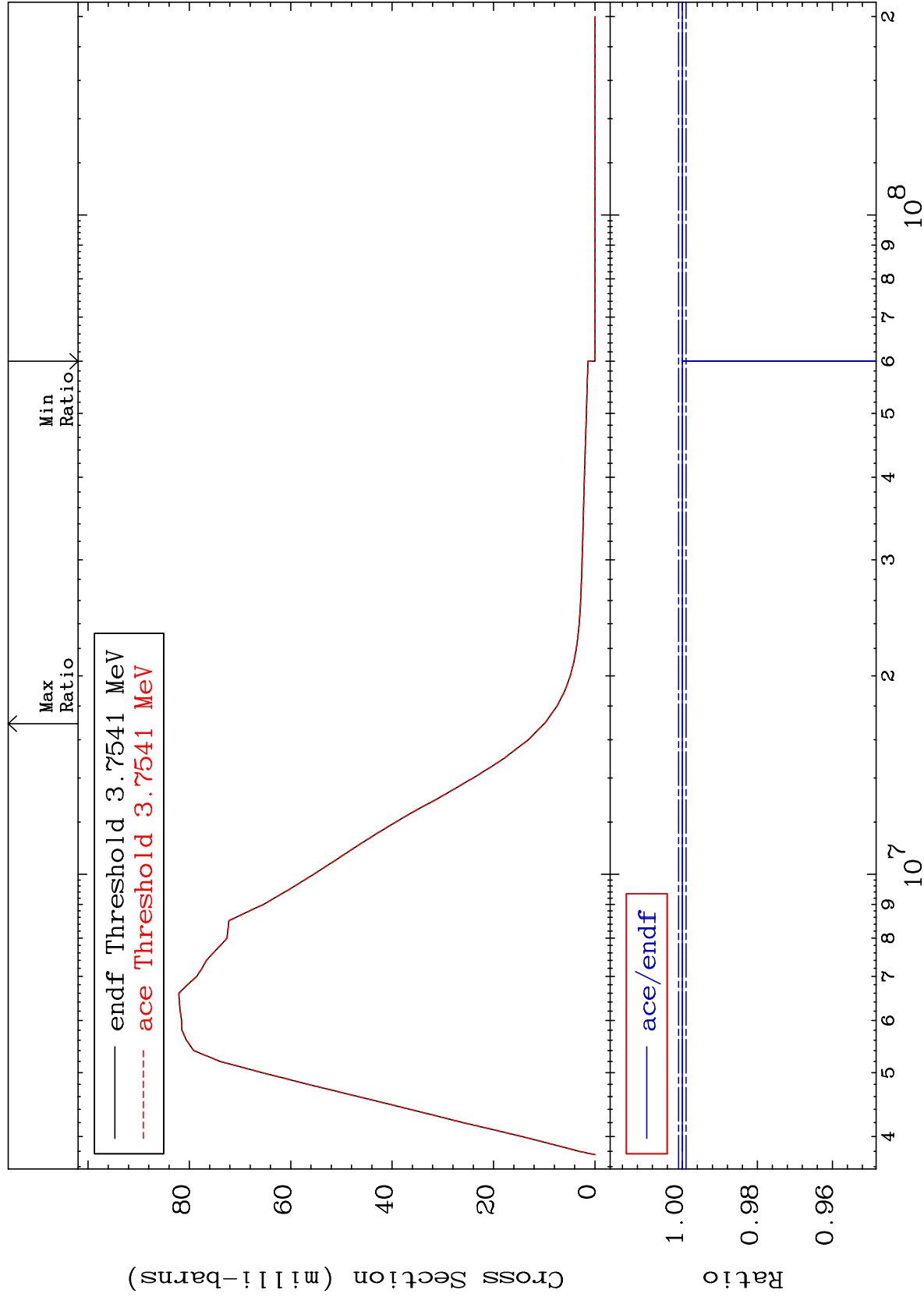
Incident Energy (eV)

8-0 -18

MAT 831

3.555 MeV (n,n') Level
Cross Section

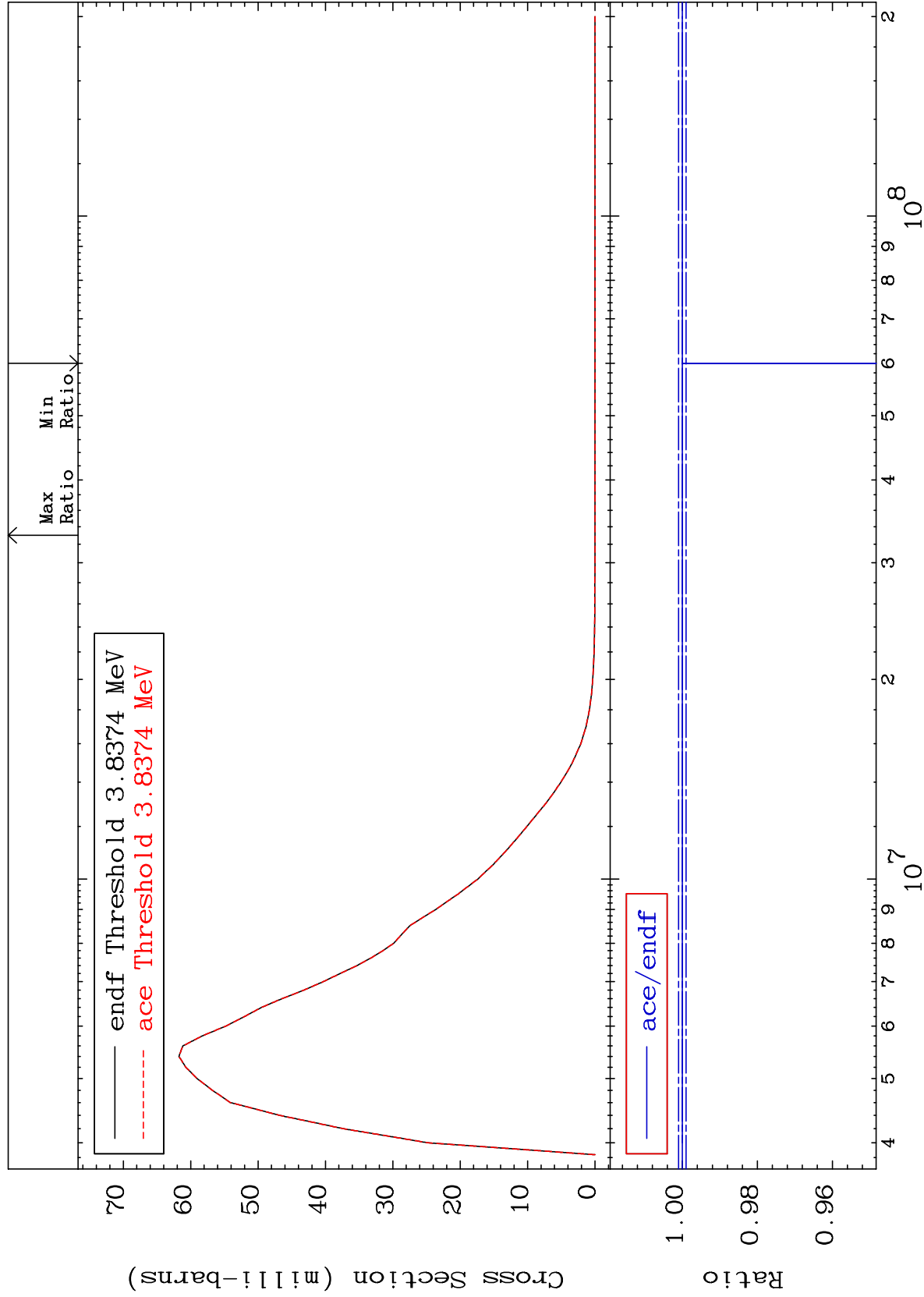
8-0 -18
-100.0 To 0.000 %



MAT 831

3.634 MeV (n,n') Level
Cross Section

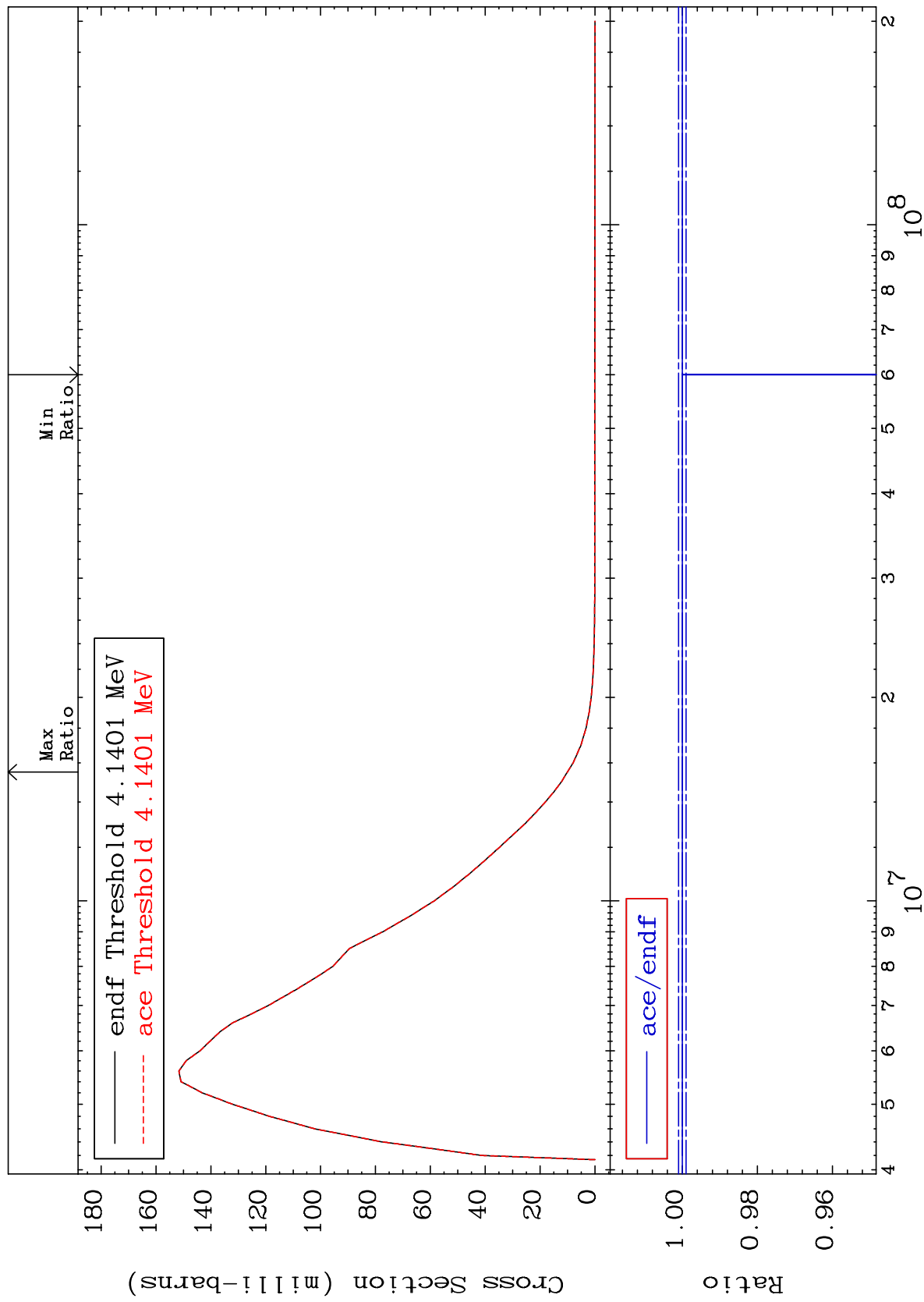
8-0 -18
-100.0 To 0.000 %



MAT 831

3.920 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



26

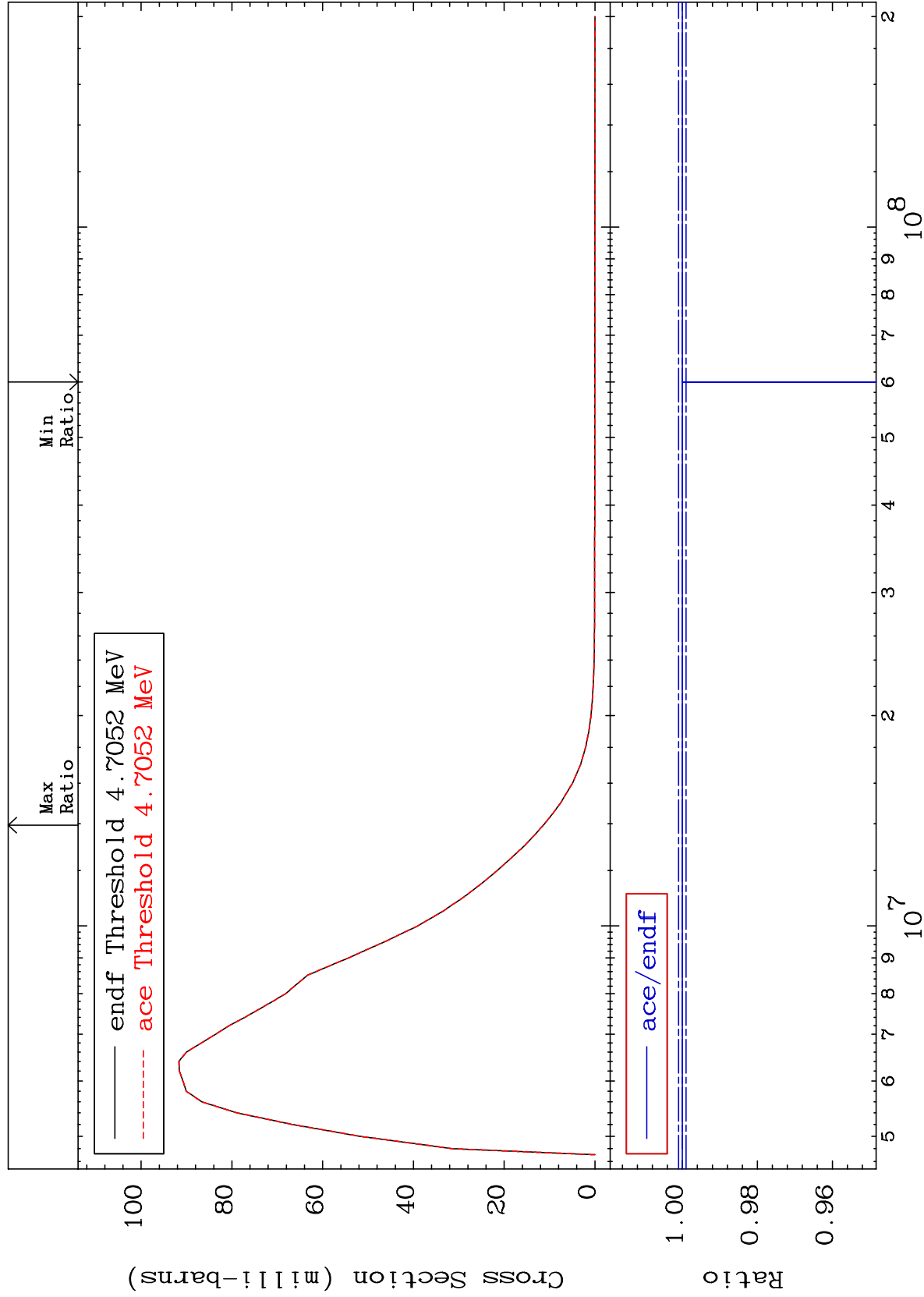
Incident Energy (eV)

8-0 -18

MAT 831

4.456 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



27

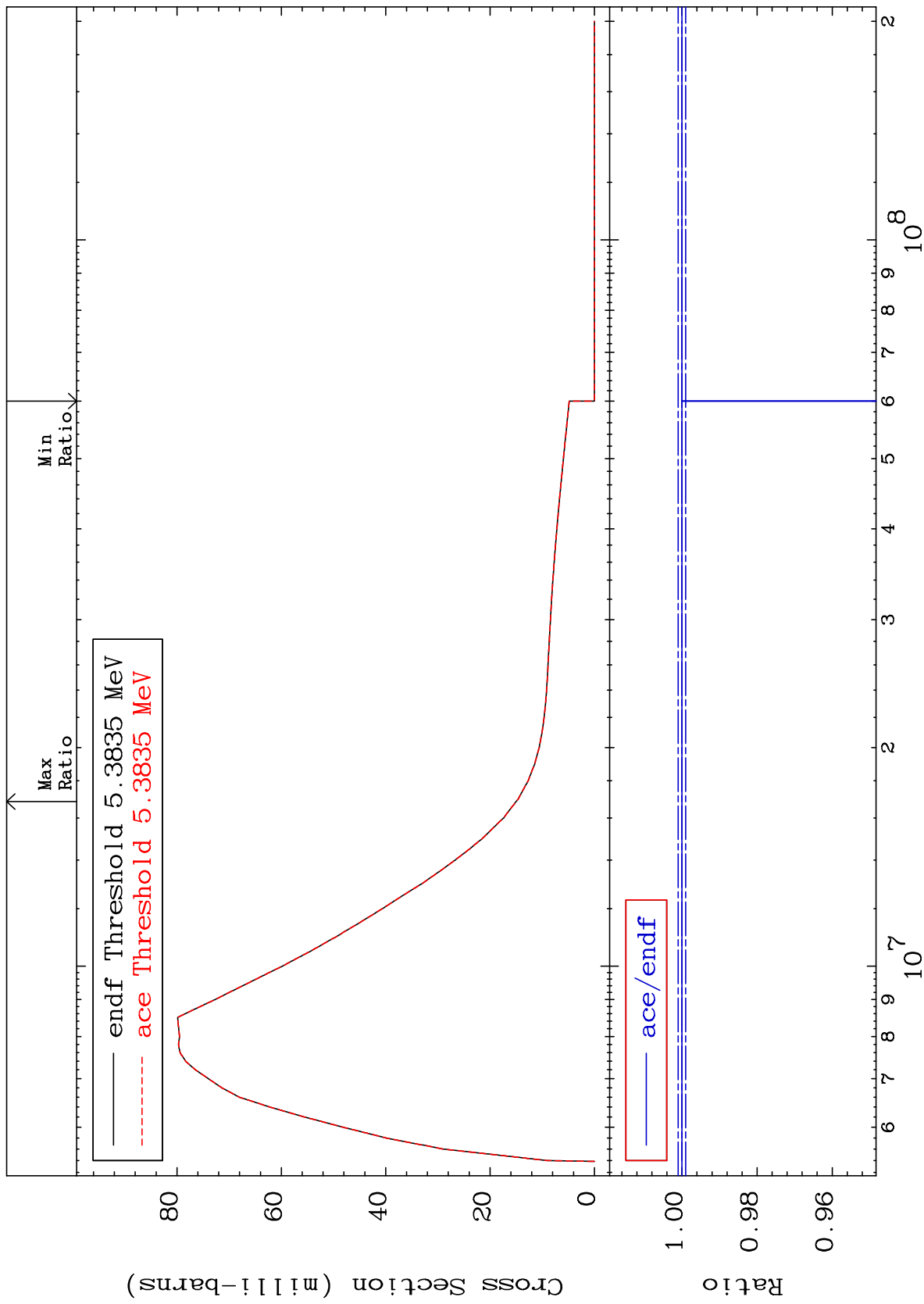
Incident Energy (eV)

8-0 -18

MAT 831

5.098 MeV (n,n') Level
Cross Section

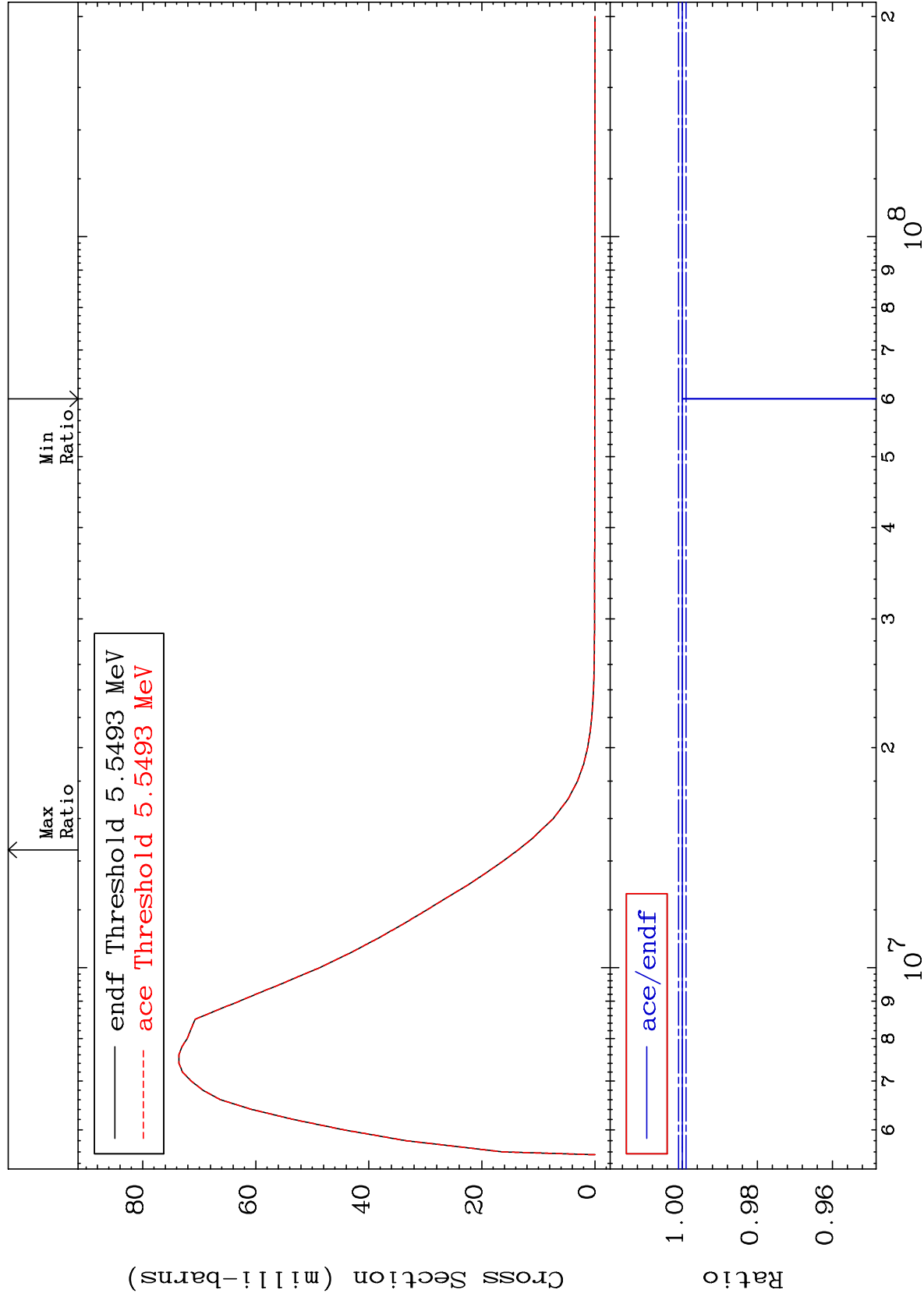
8-0 -18
-100.0 To 0.000 %



MAT 831

5.255 MeV (n,n') Level
Cross Section

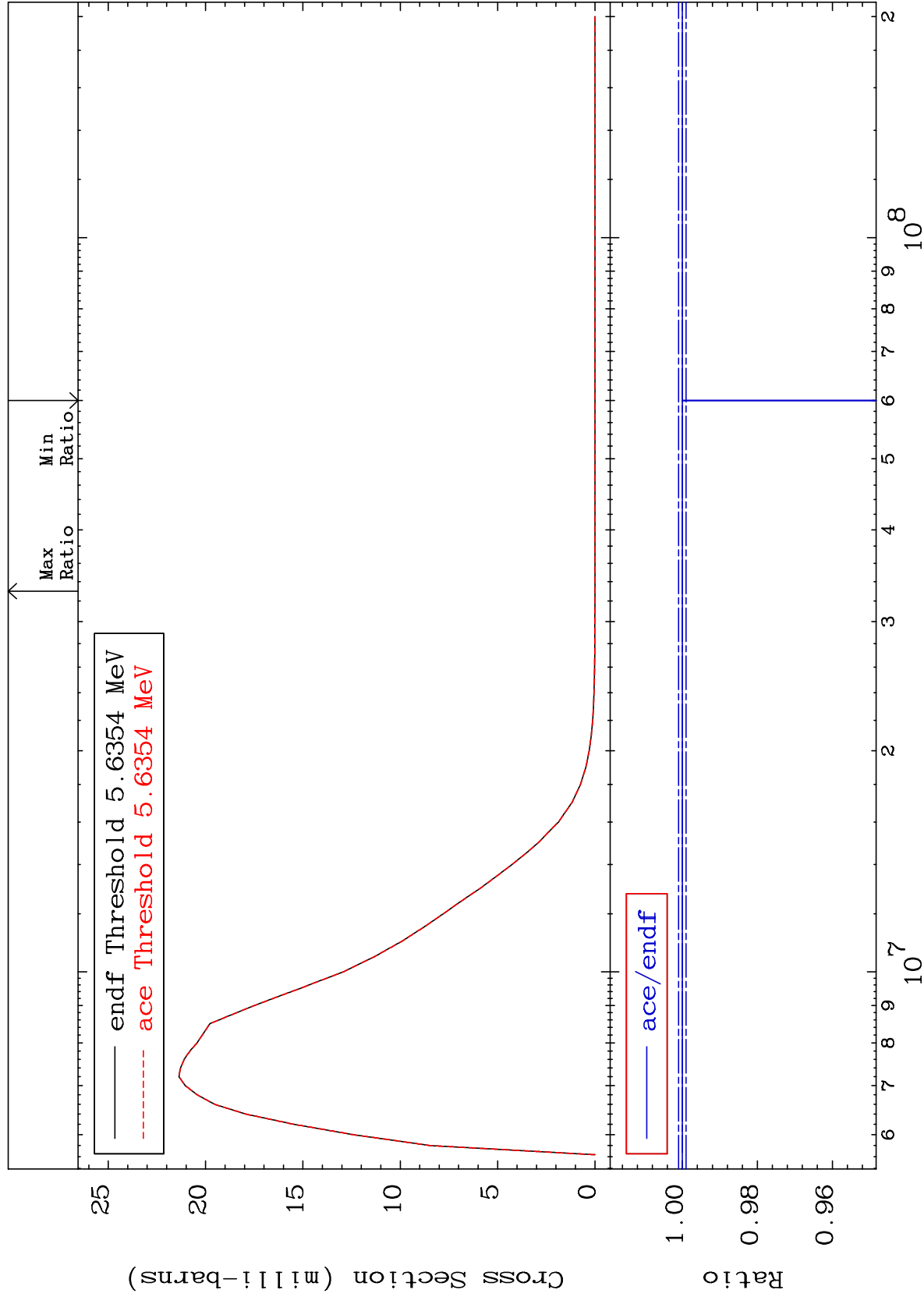
8-0 -18
-100.0 To 0.000 %



MAT 831

5.336 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



30

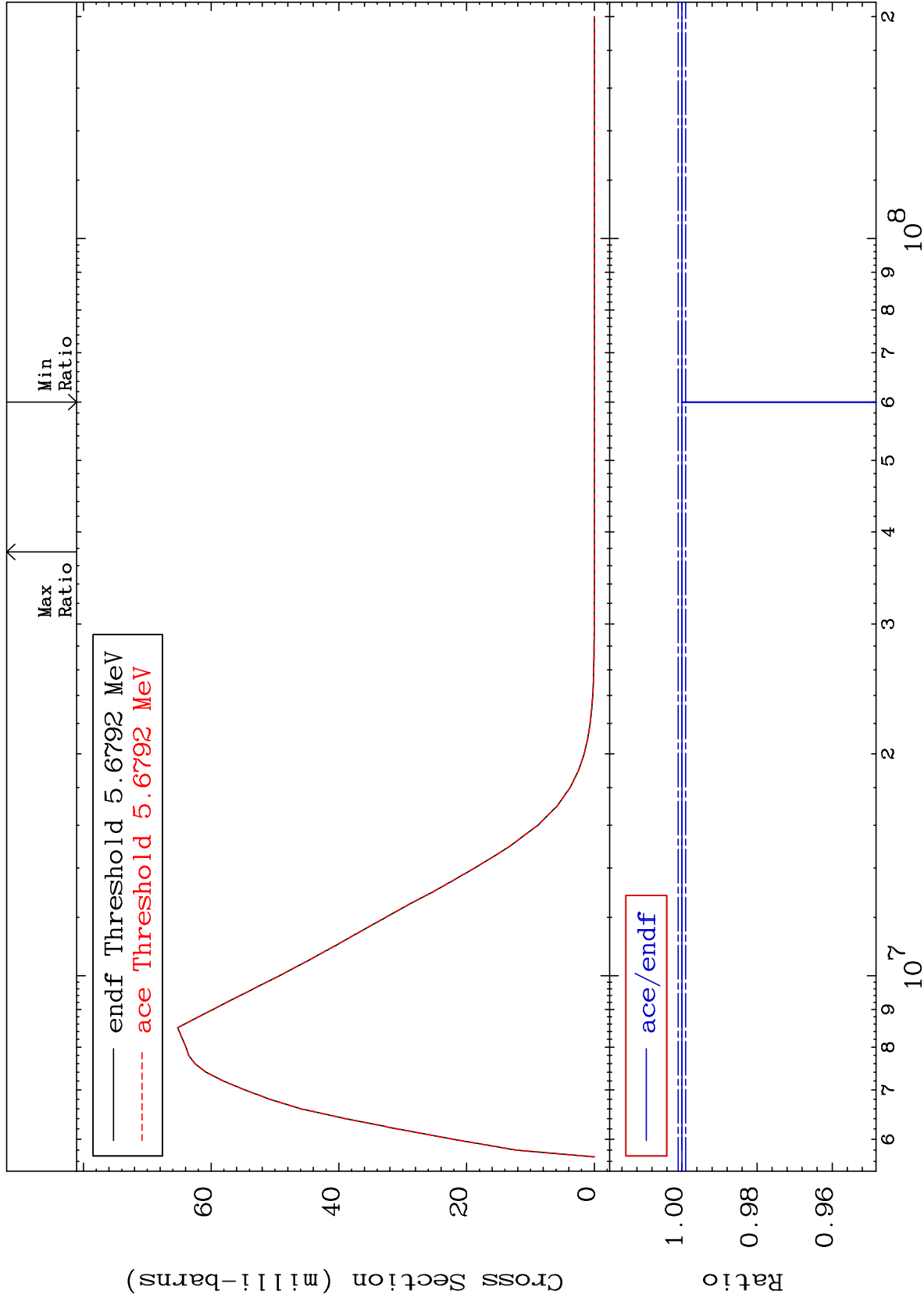
Incident Energy (eV)

8-0 -18

MAT 831

5.378 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



31

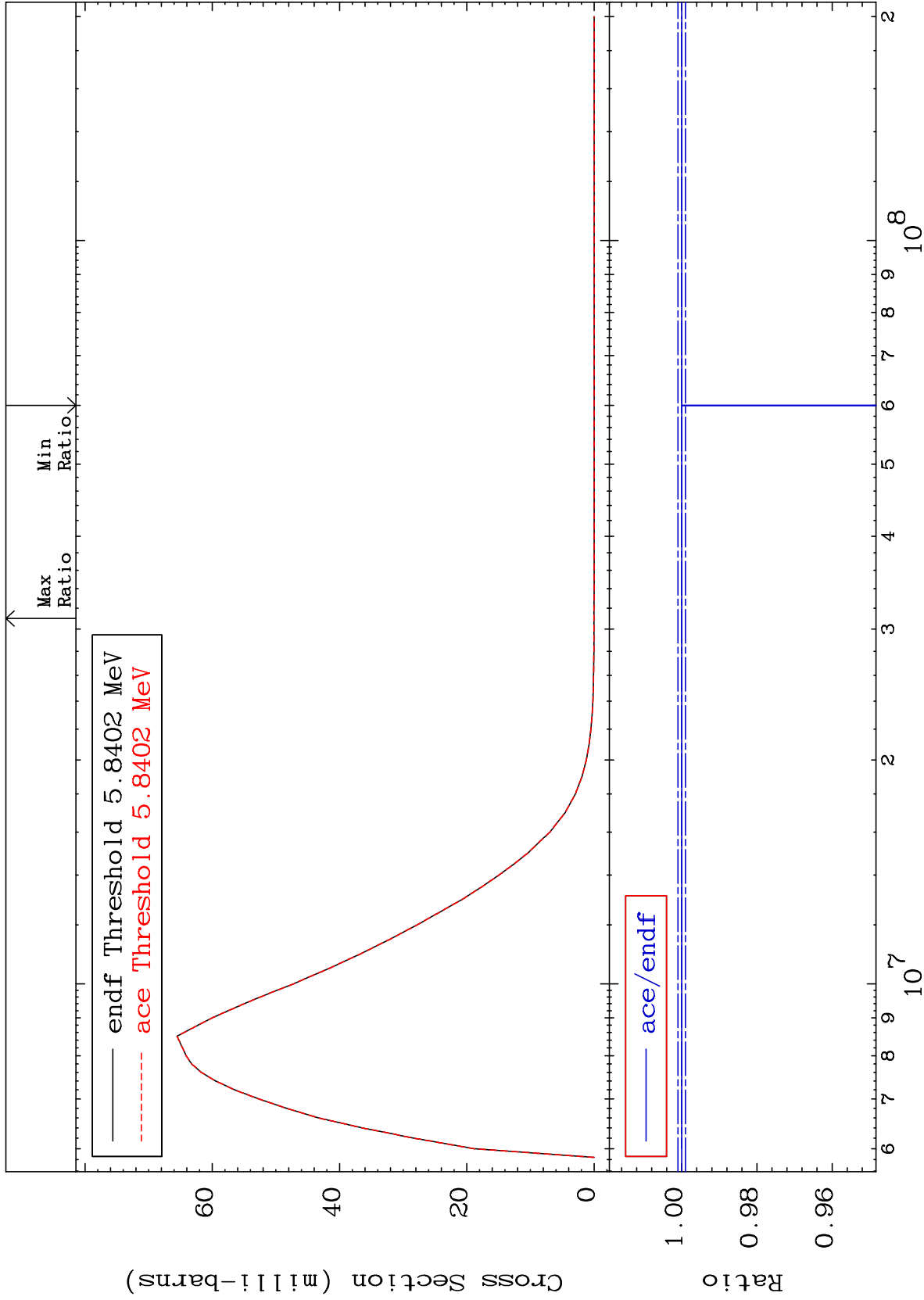
Incident Energy (eV)

8-0 -18

MAT 831

5.530 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



32

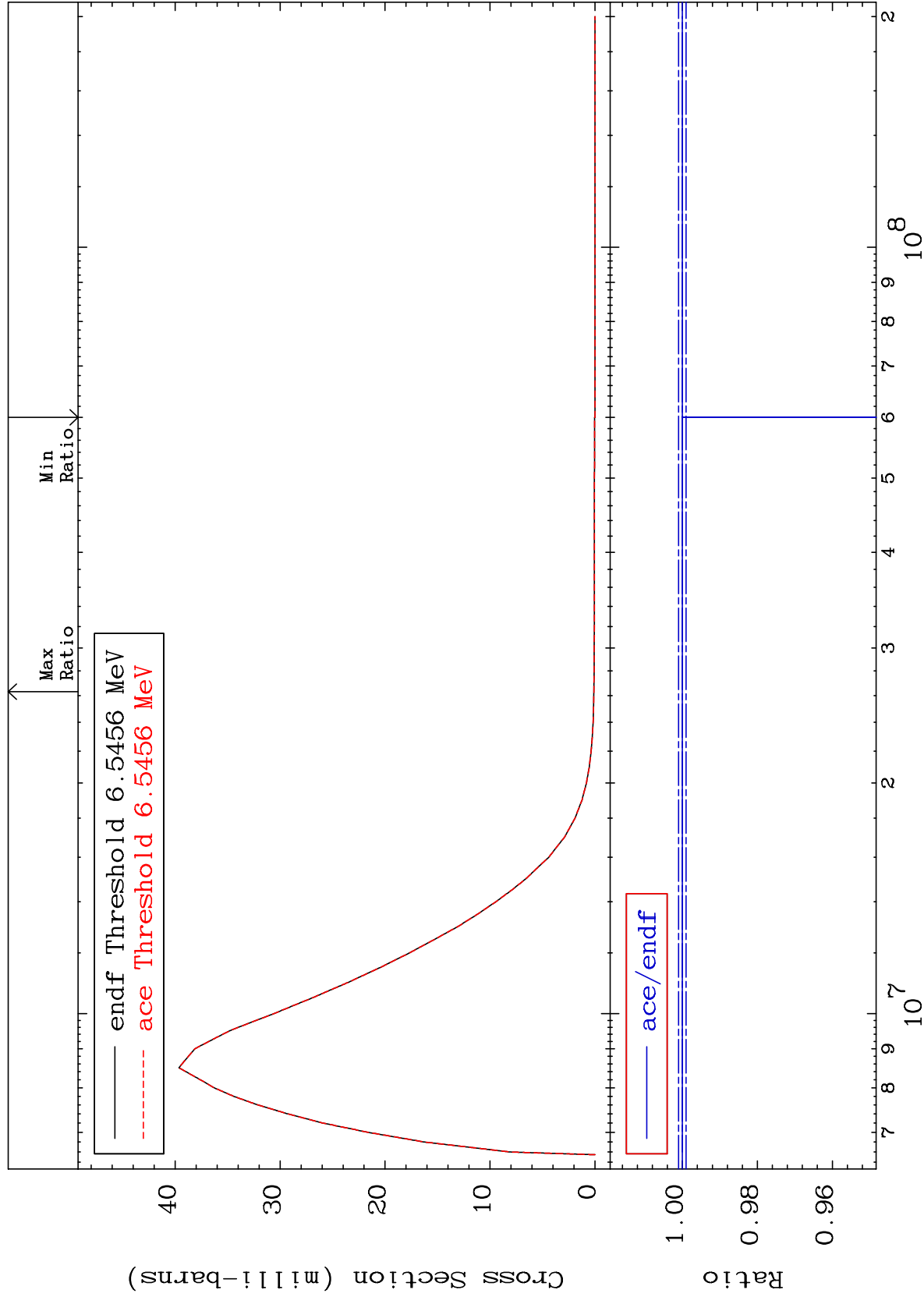
Incident Energy (eV)

8-0 -18

MAT 831

6.198 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



33

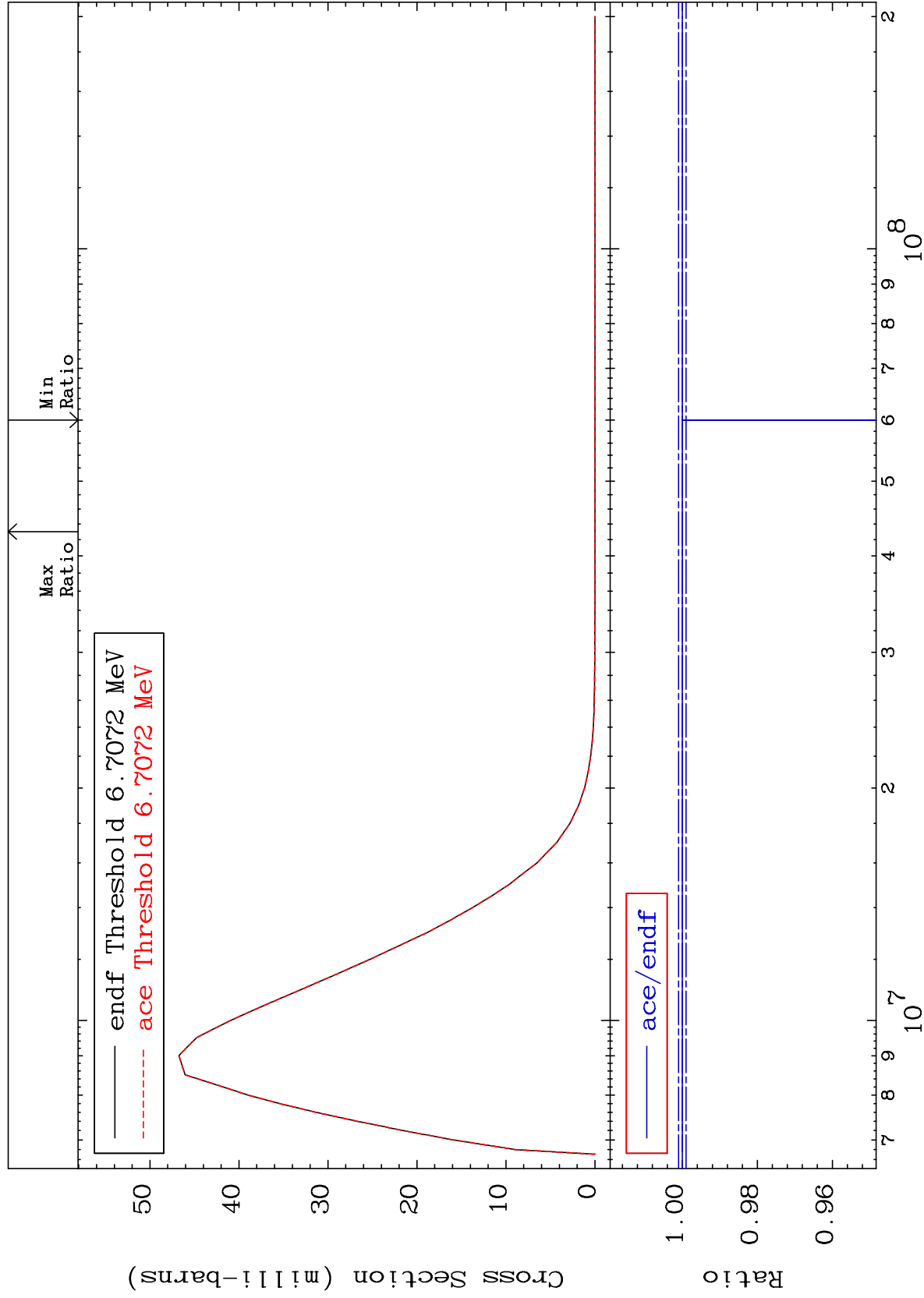
Incident Energy (eV)

8-0 -18

MAT 831

6.351 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



34

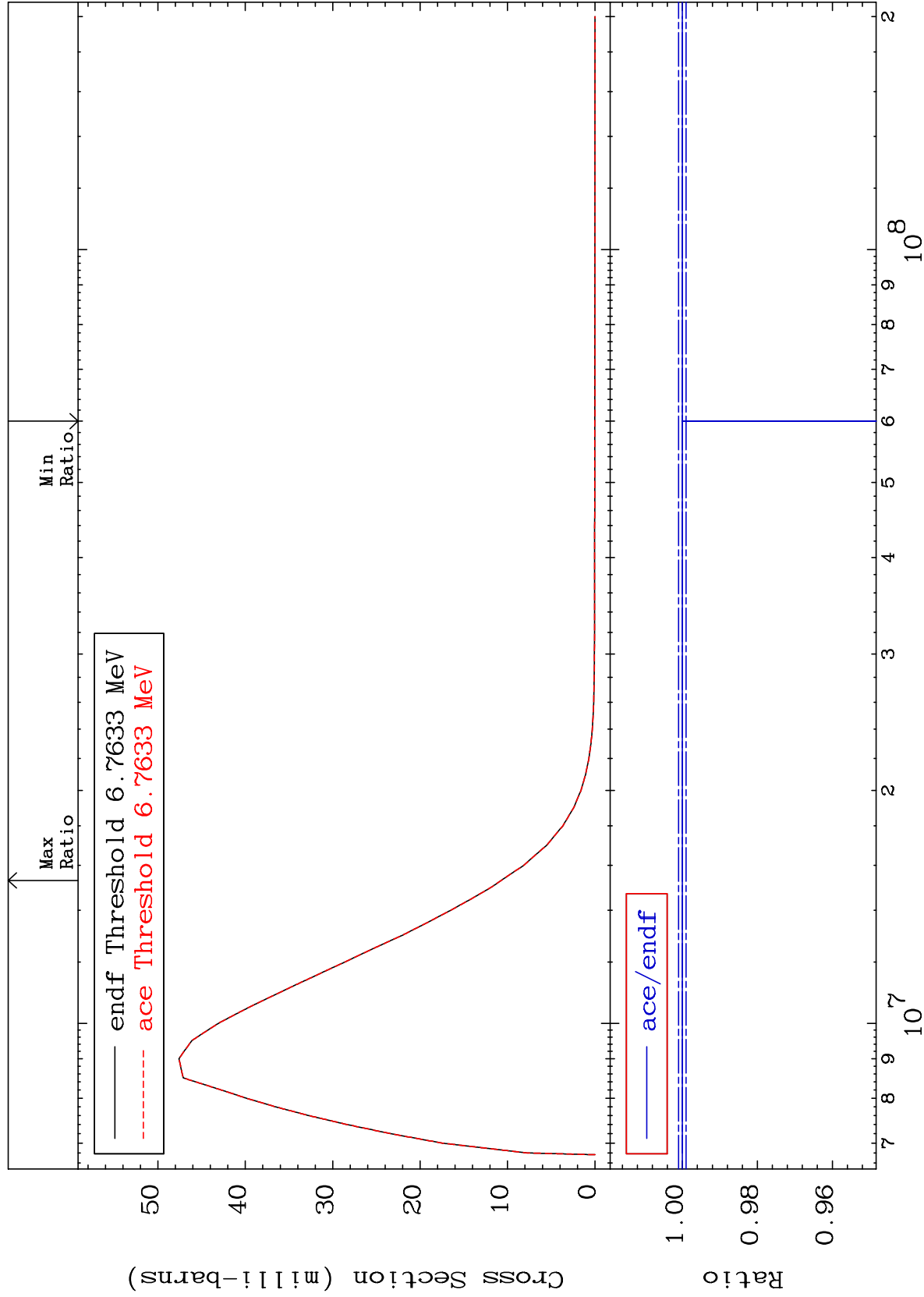
Incident Energy (eV)

8-0 -18

MAT 831

6.404 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



35

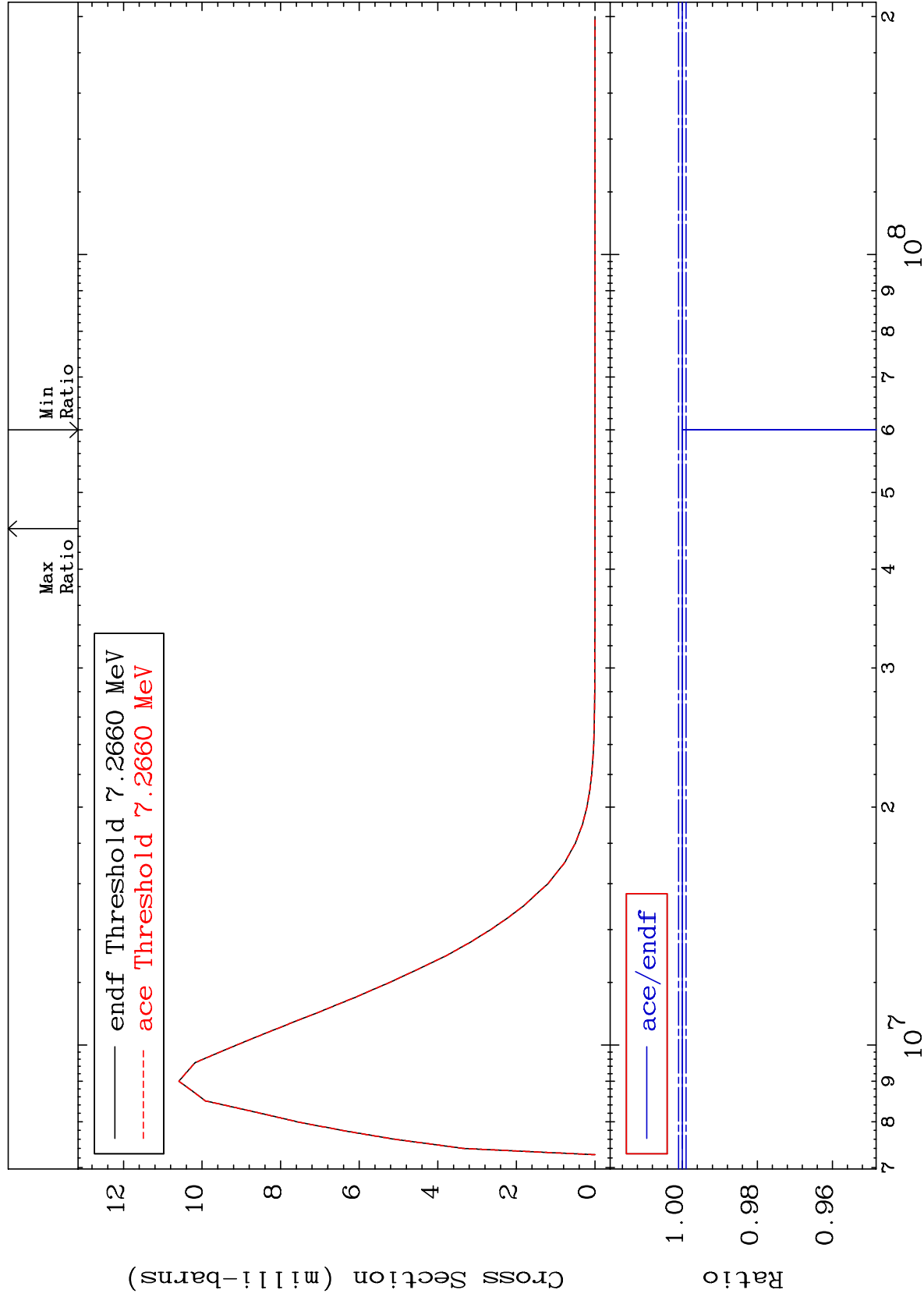
Incident Energy (eV)

8-0 -18

MAT 831

6.880 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



36

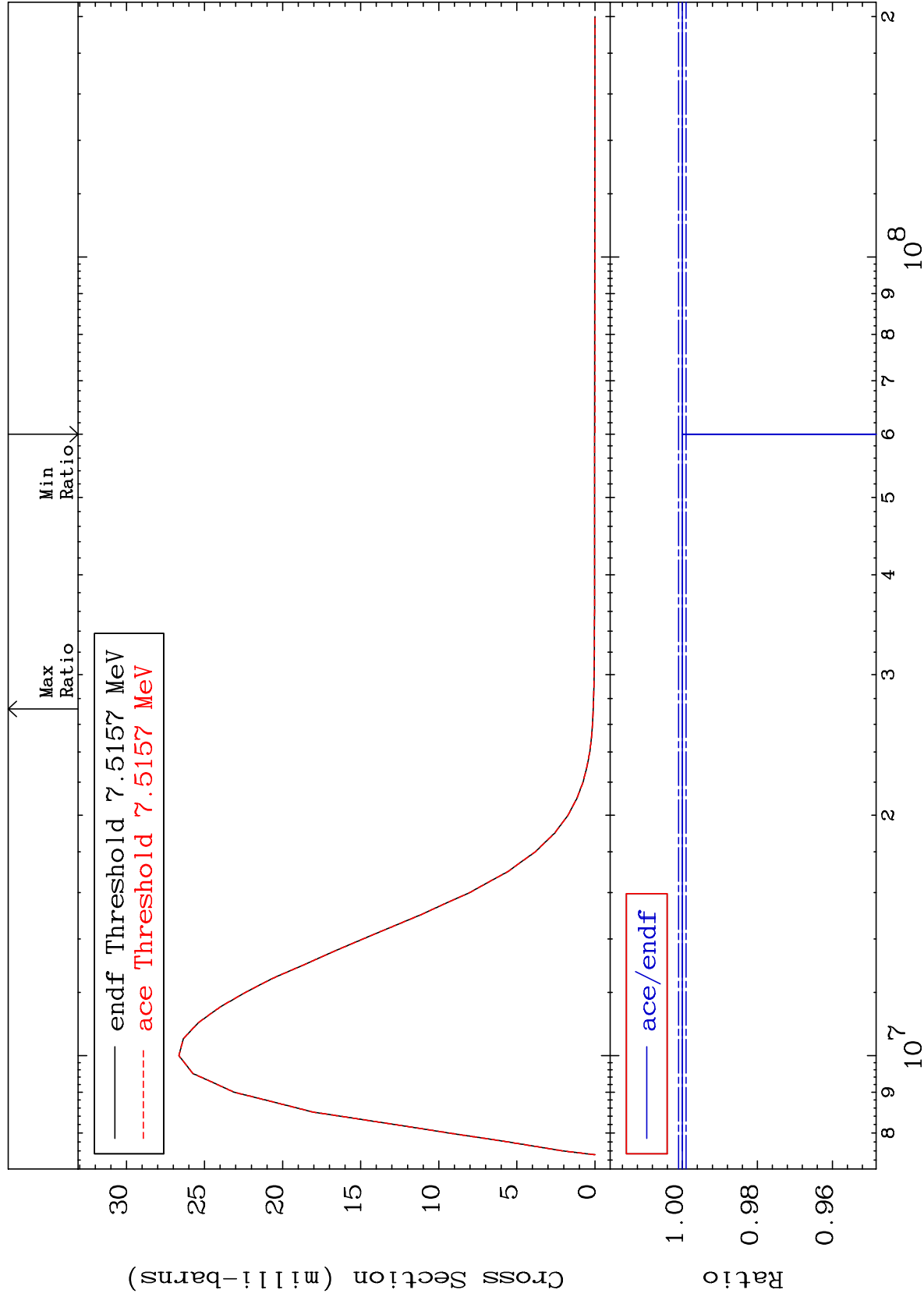
Incident Energy (eV)

8-0 -18

MAT 831

7.117 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



37

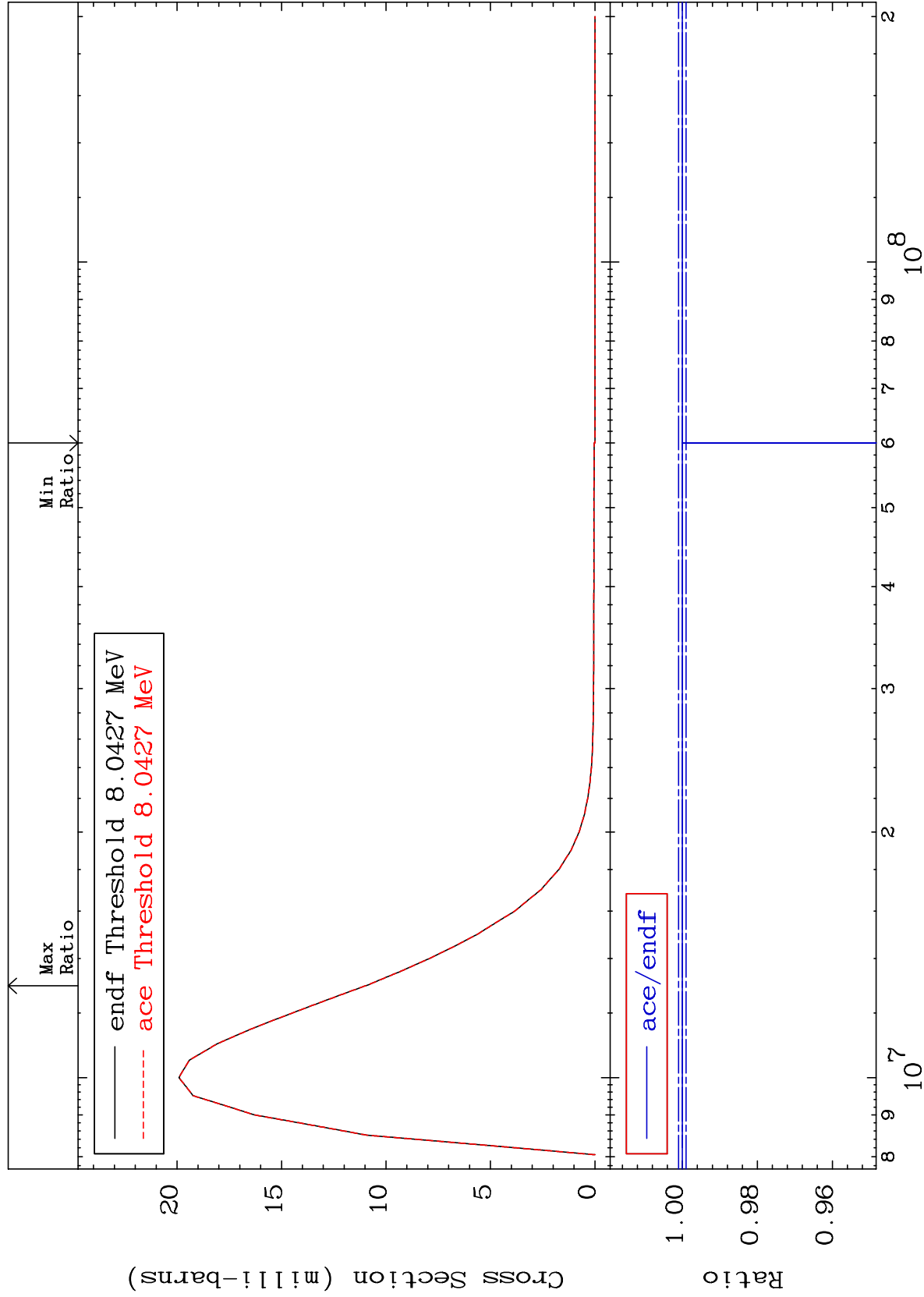
Incident Energy (eV)

8-0 -18

MAT 831

7.616 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



38

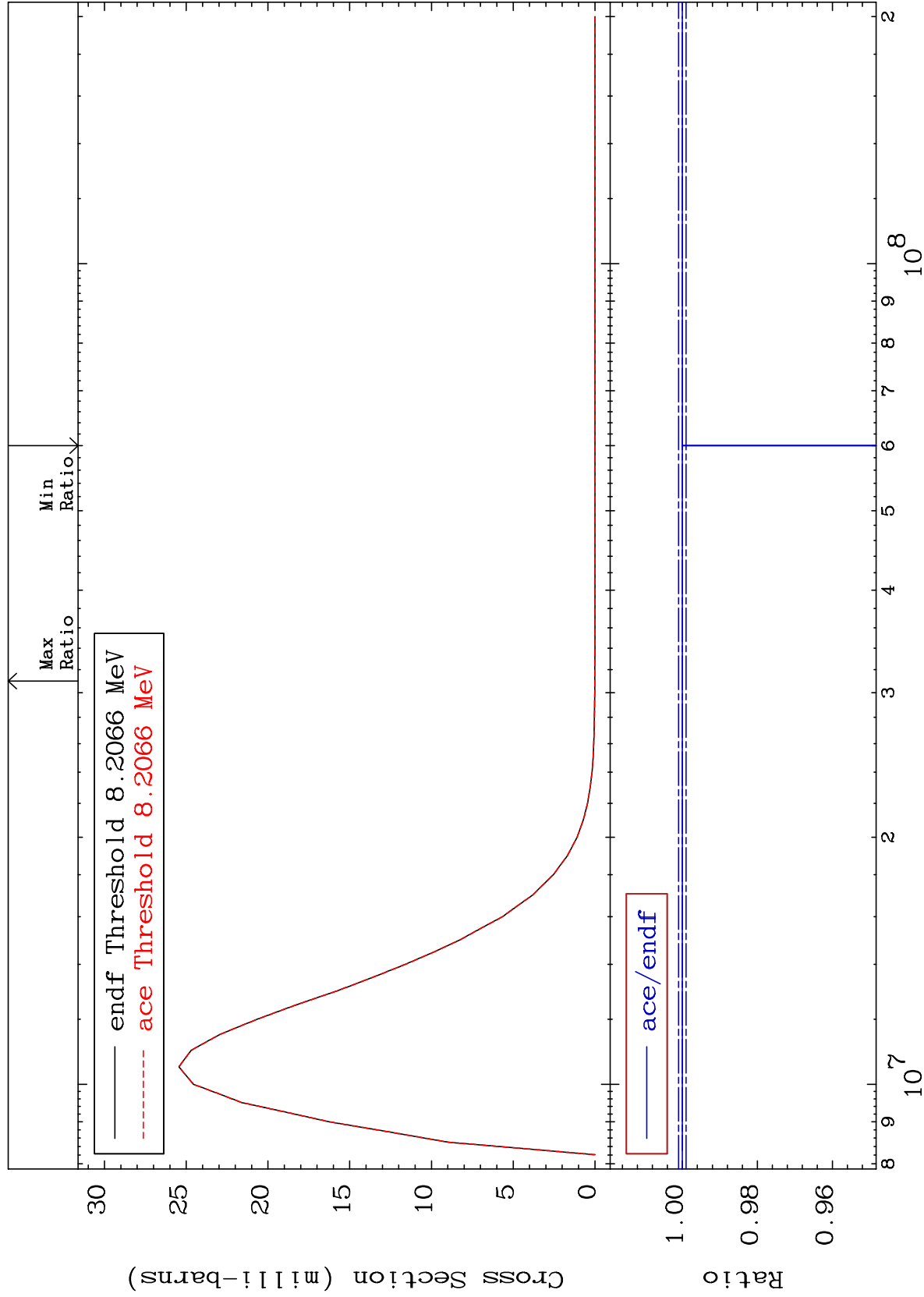
Incident Energy (eV)

8-0 -18

MAT 831

7.771 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



39

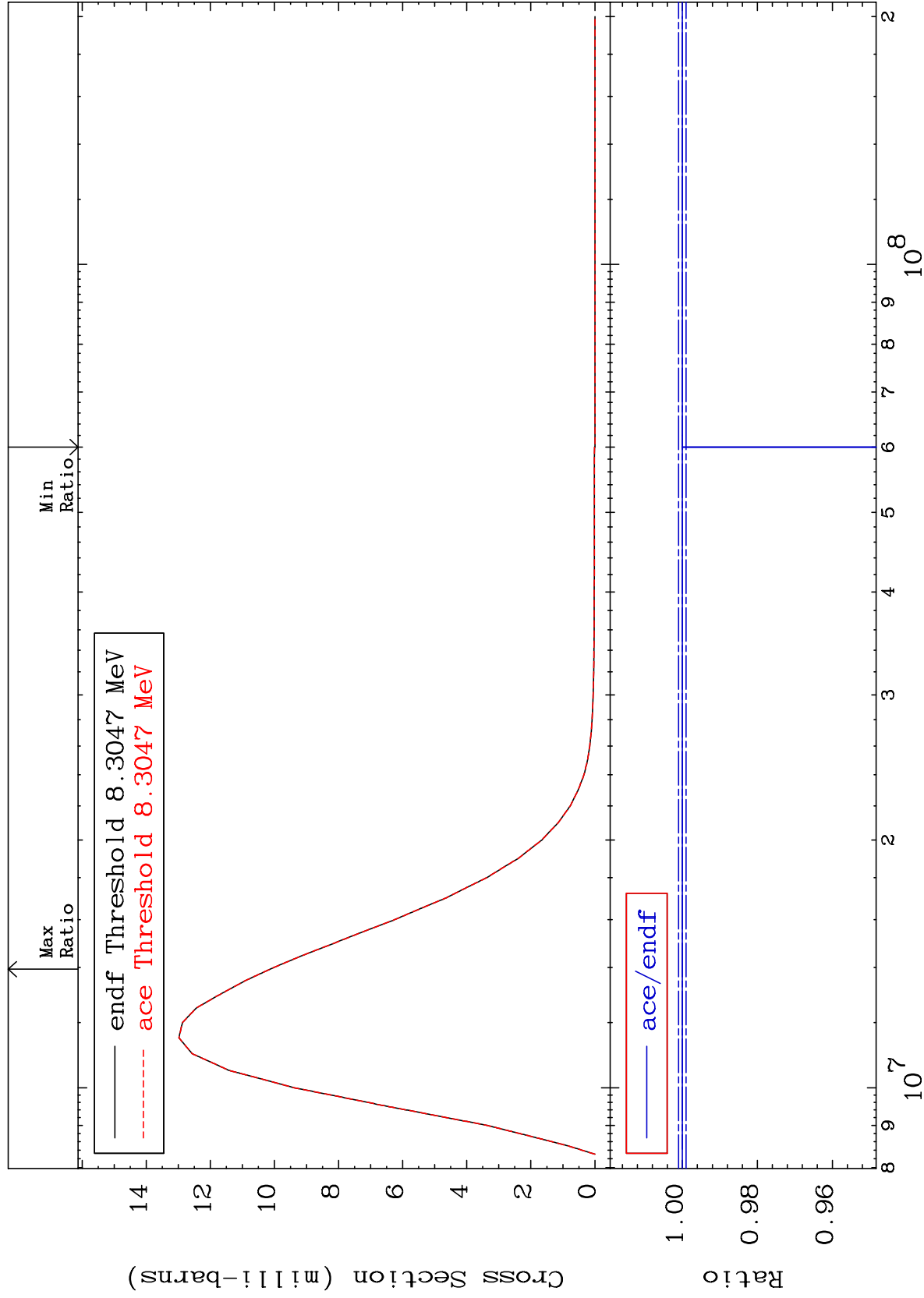
Incident Energy (eV)

8-0 -18

MAT 831

7.864 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



40

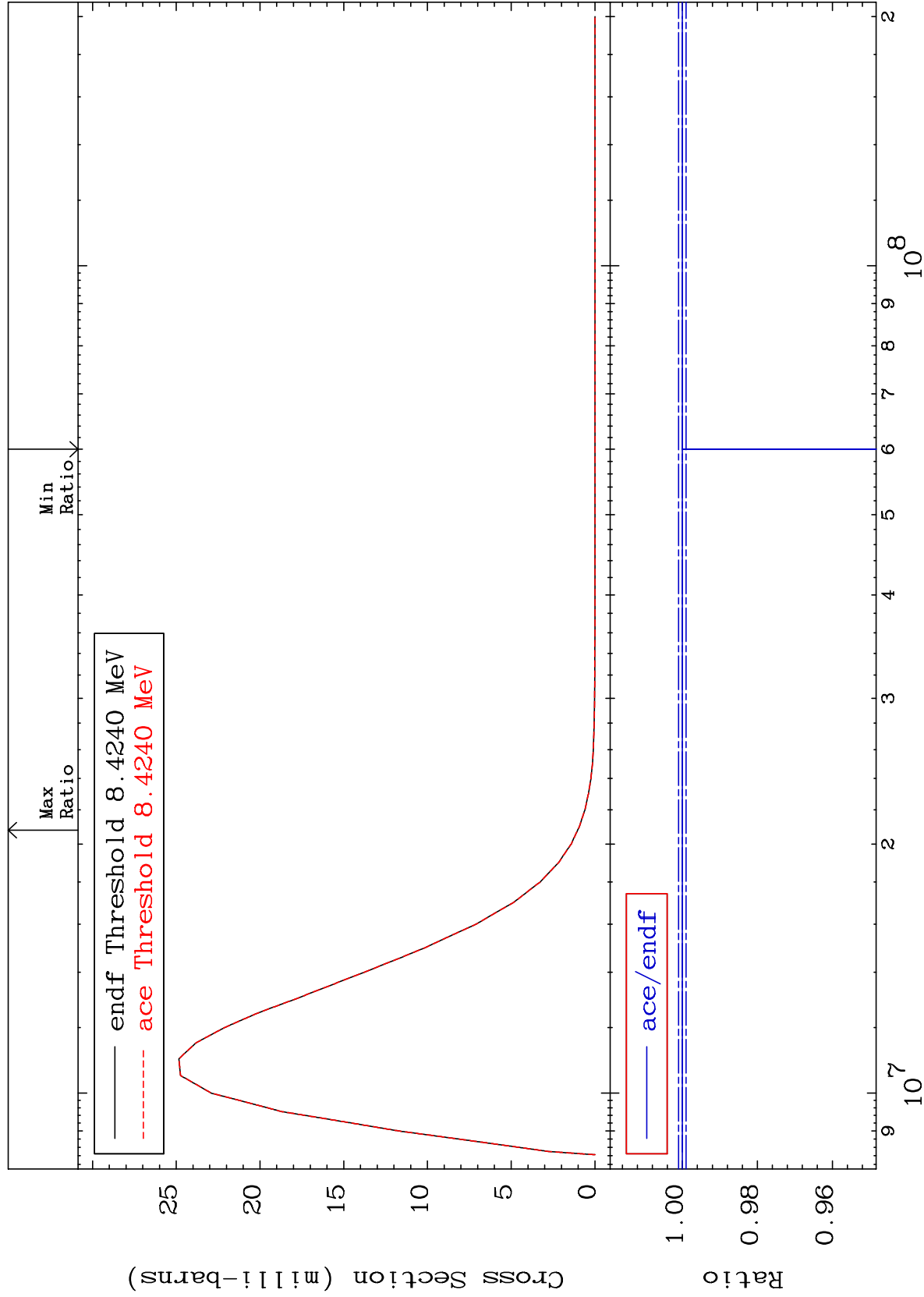
Incident Energy (eV)

8-0 -18

MAT 831

7.977 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



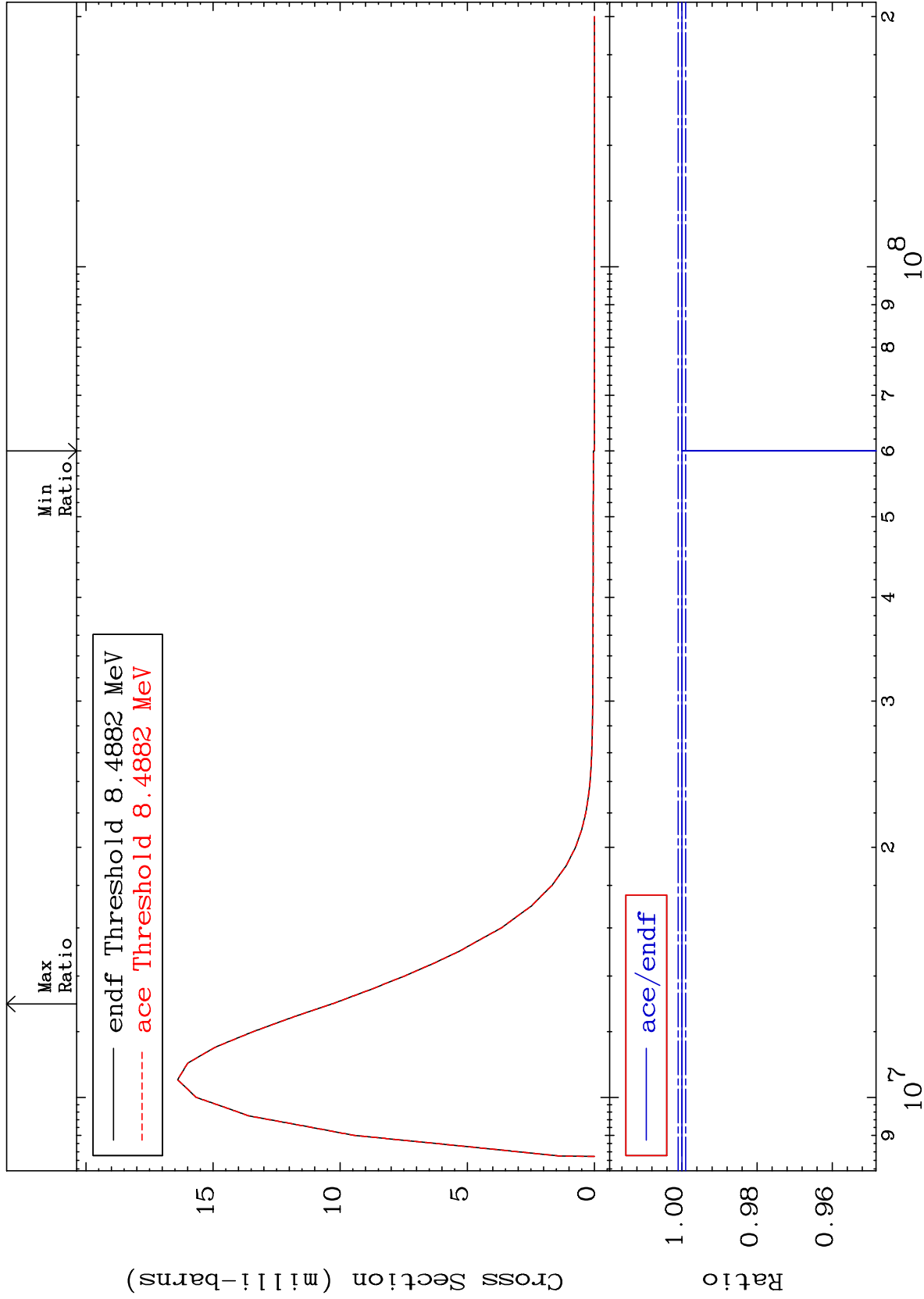
41

8-0 -18

MAT 831

8.038 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



42

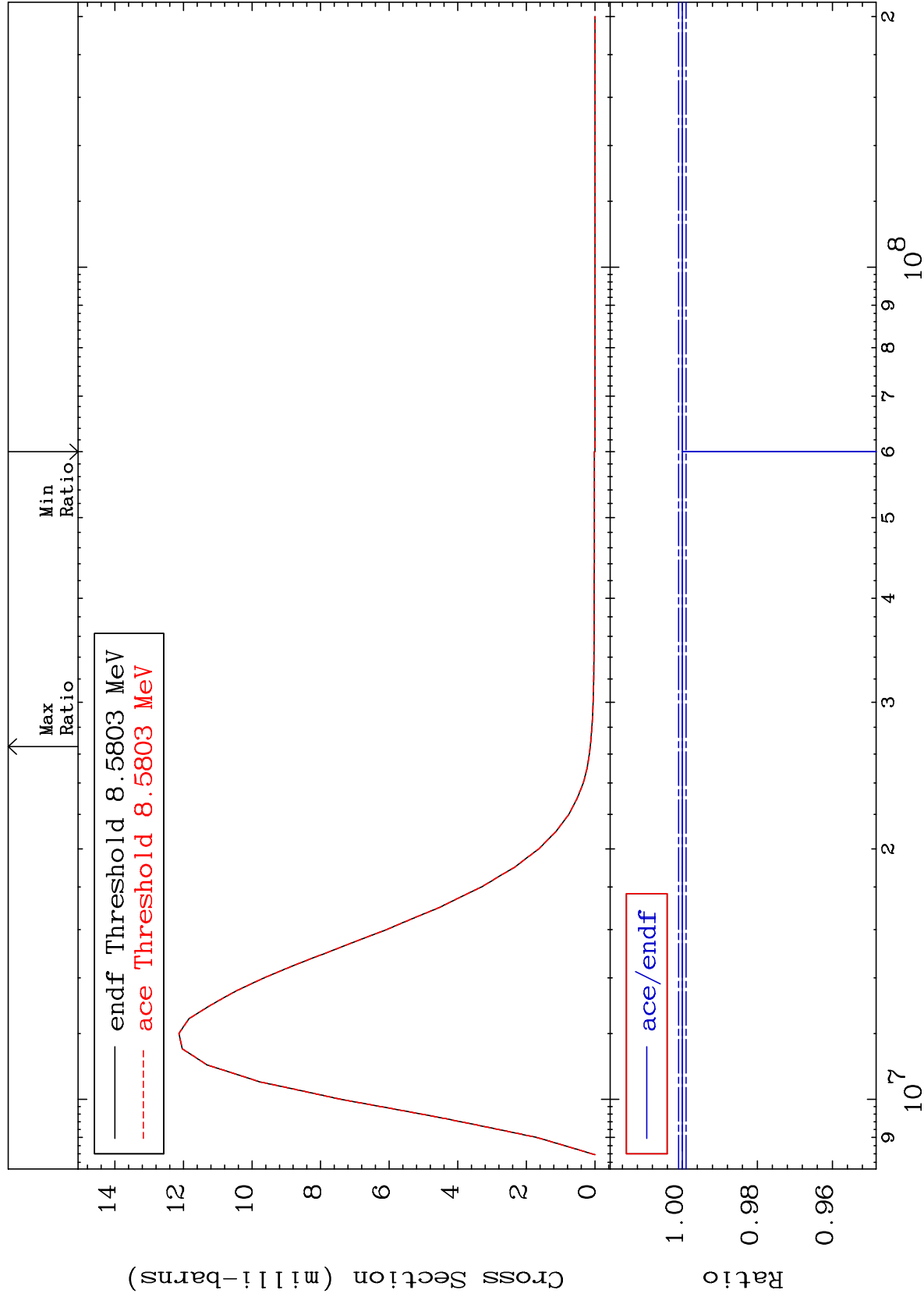
Incident Energy (eV)

8-0 -18

MAT 831

8.125 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



43

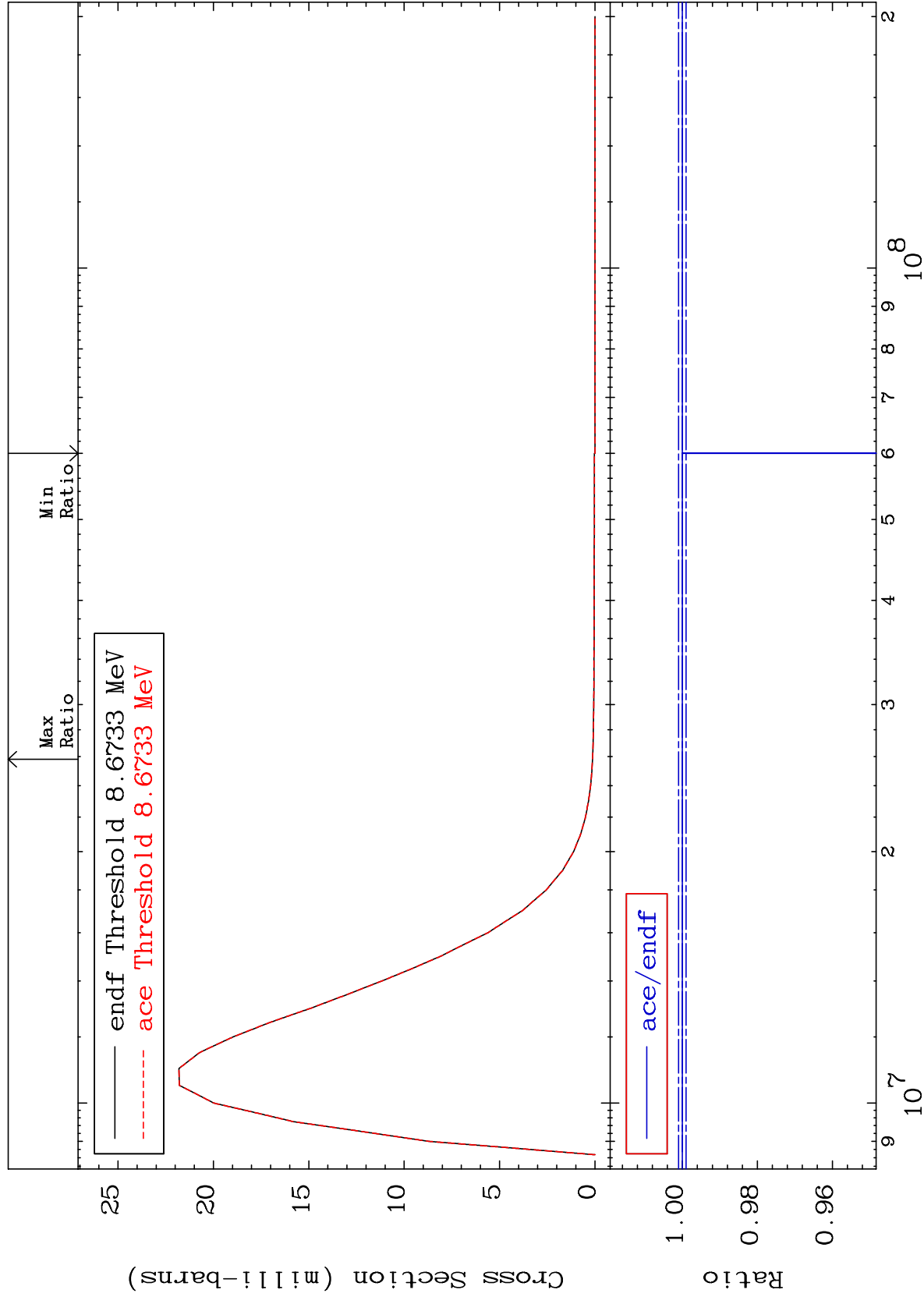
Incident Energy (eV)

8-0 -18

MAT 831

8.213 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



44

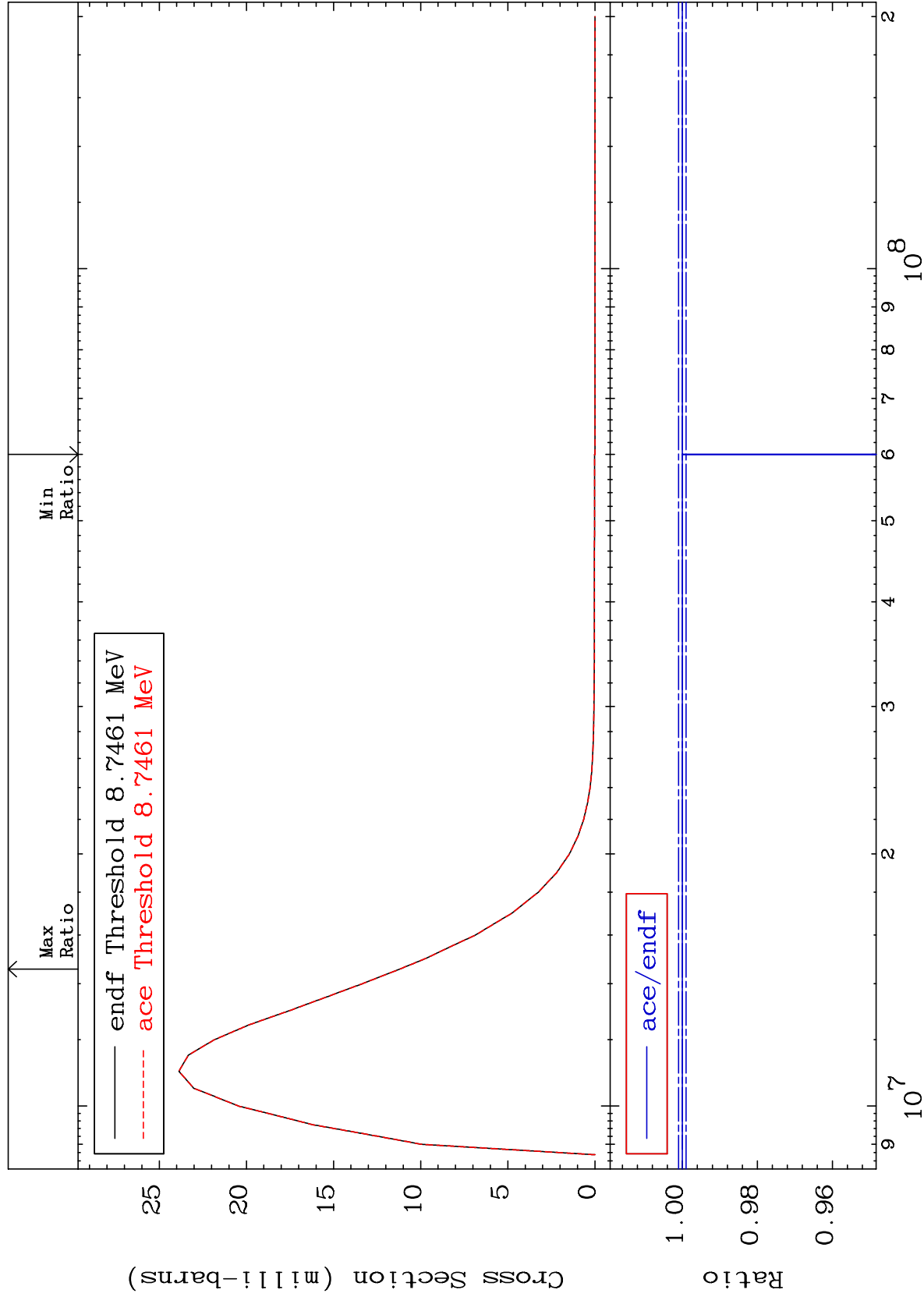
Incident Energy (eV)

8-0 -18

MAT 831

8.282 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



45

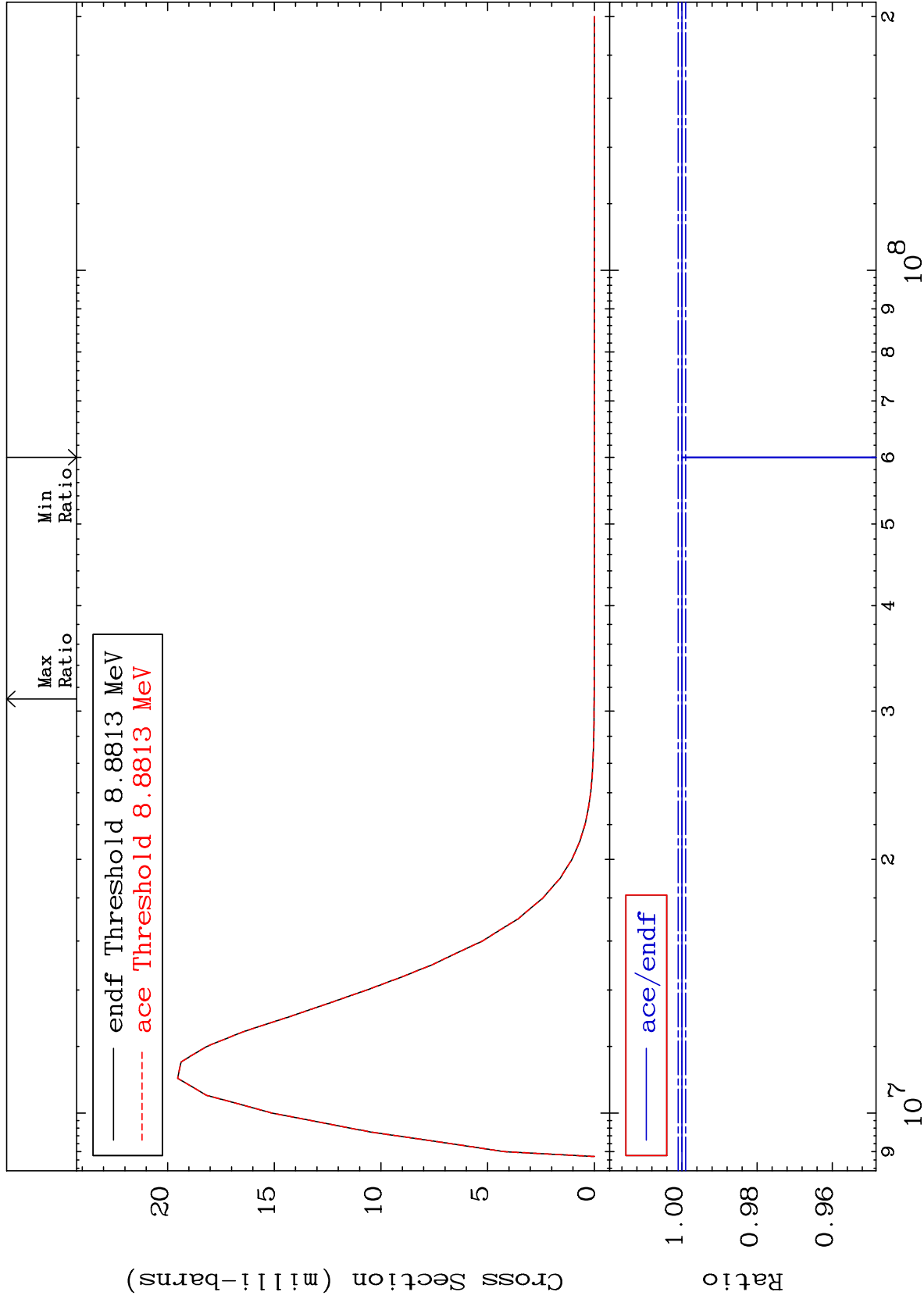
Incident Energy (eV)

8-0 -18

MAT 831

8.410 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



46

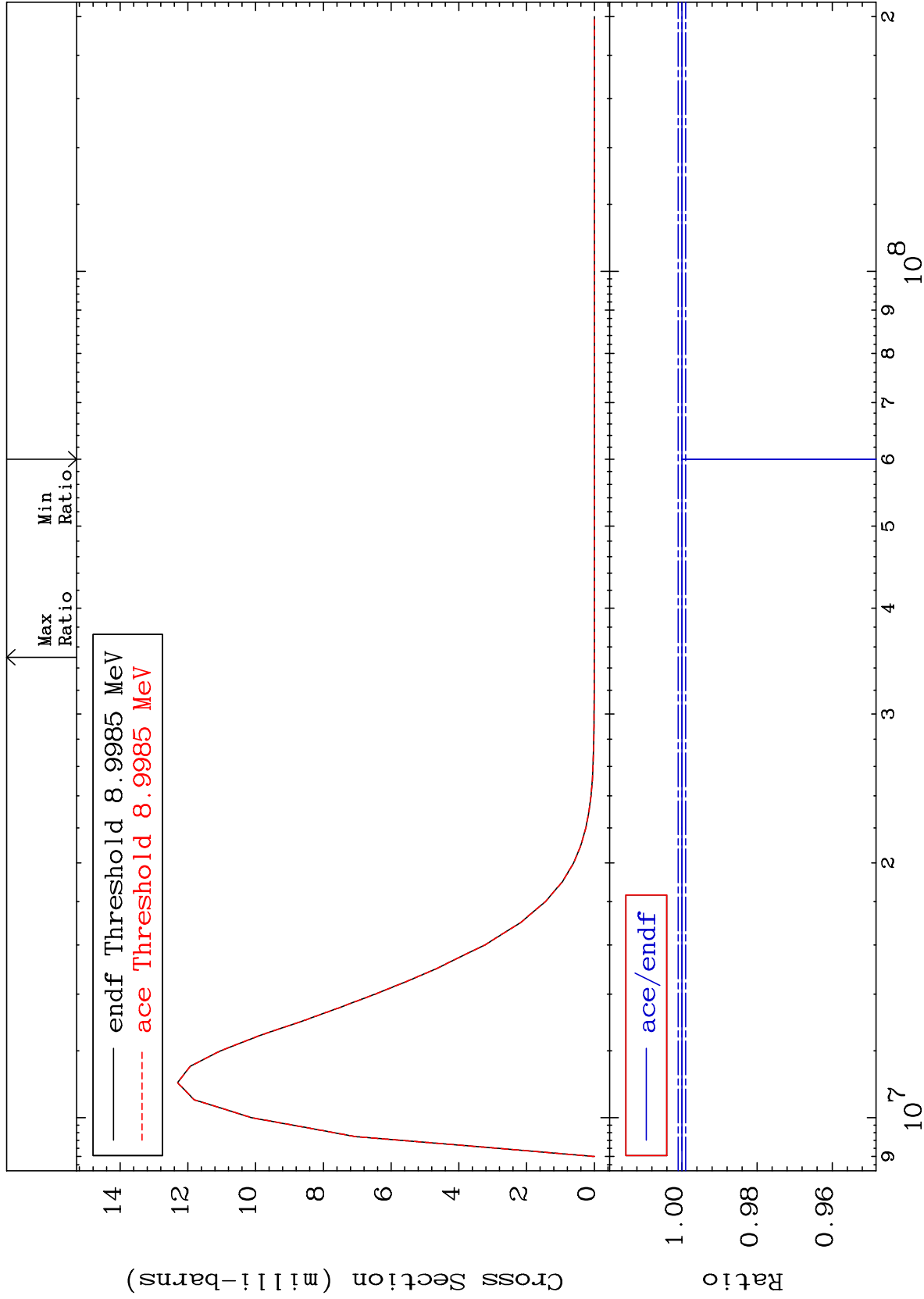
Incident Energy (eV)

8-0 -18

MAT 831

8.521 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



47

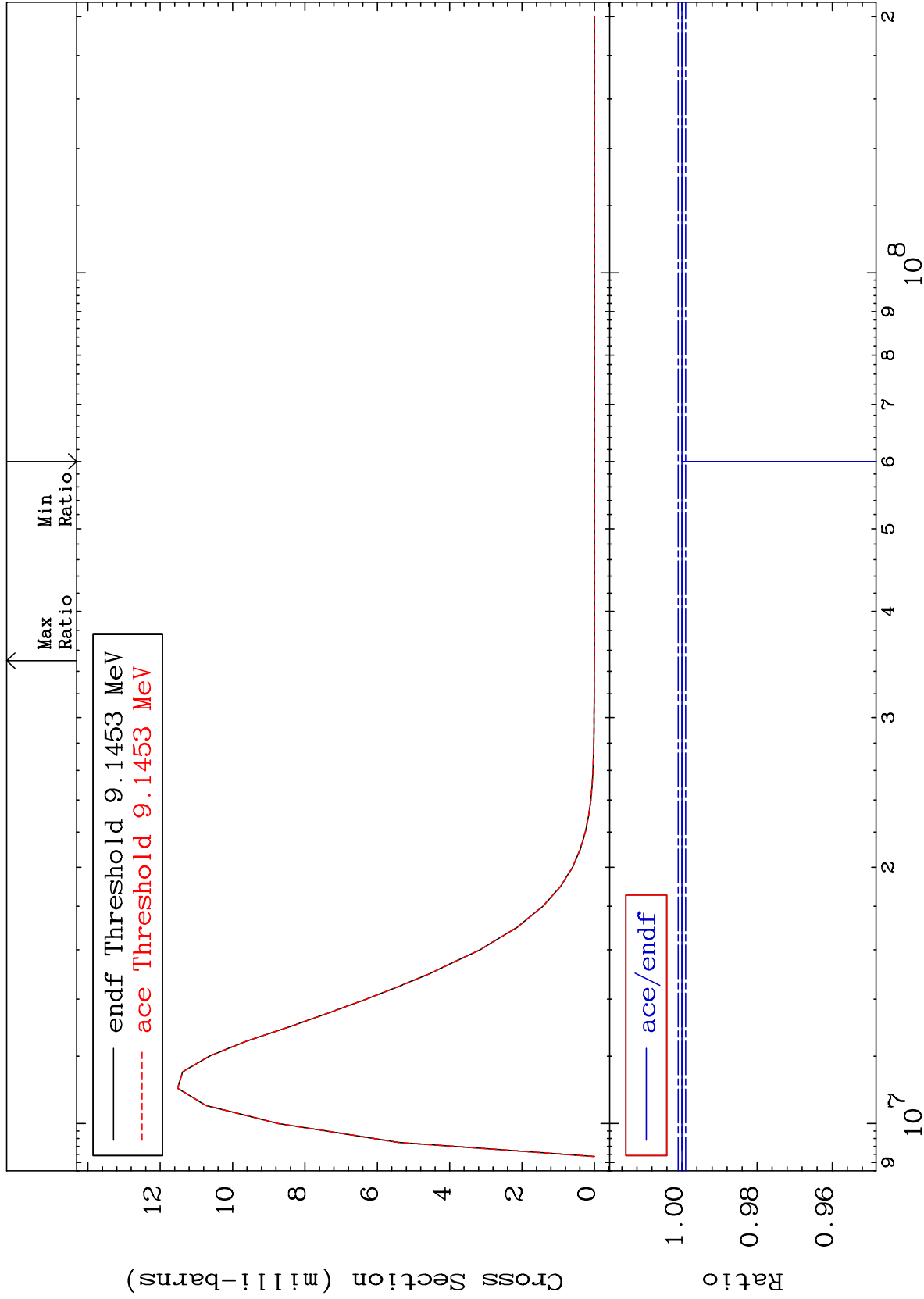
Incident Energy (eV)

8-0 -18

MAT 831

8.660 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



48

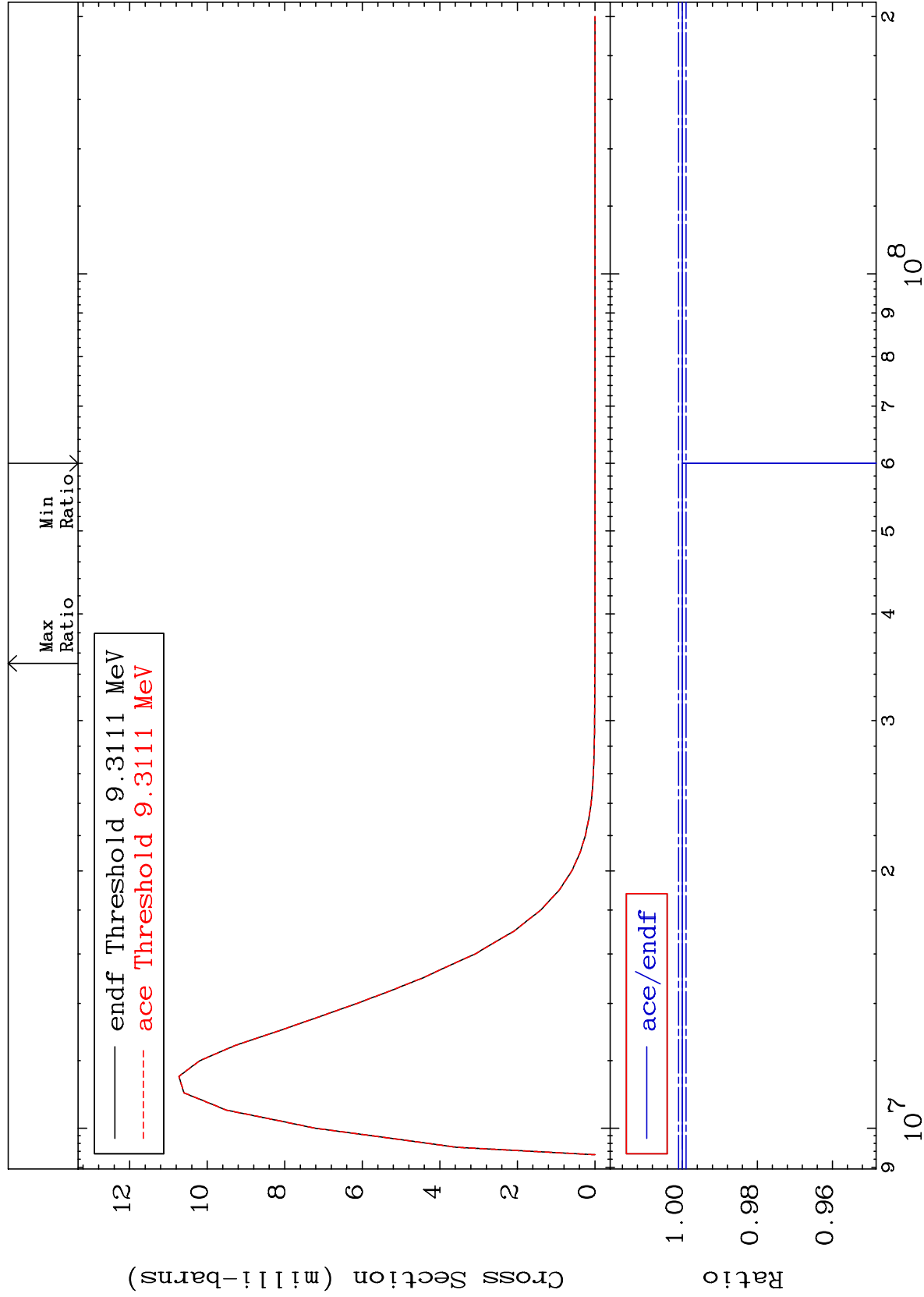
Incident Energy (eV)

8-0 -18

MAT 831

8.817 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %

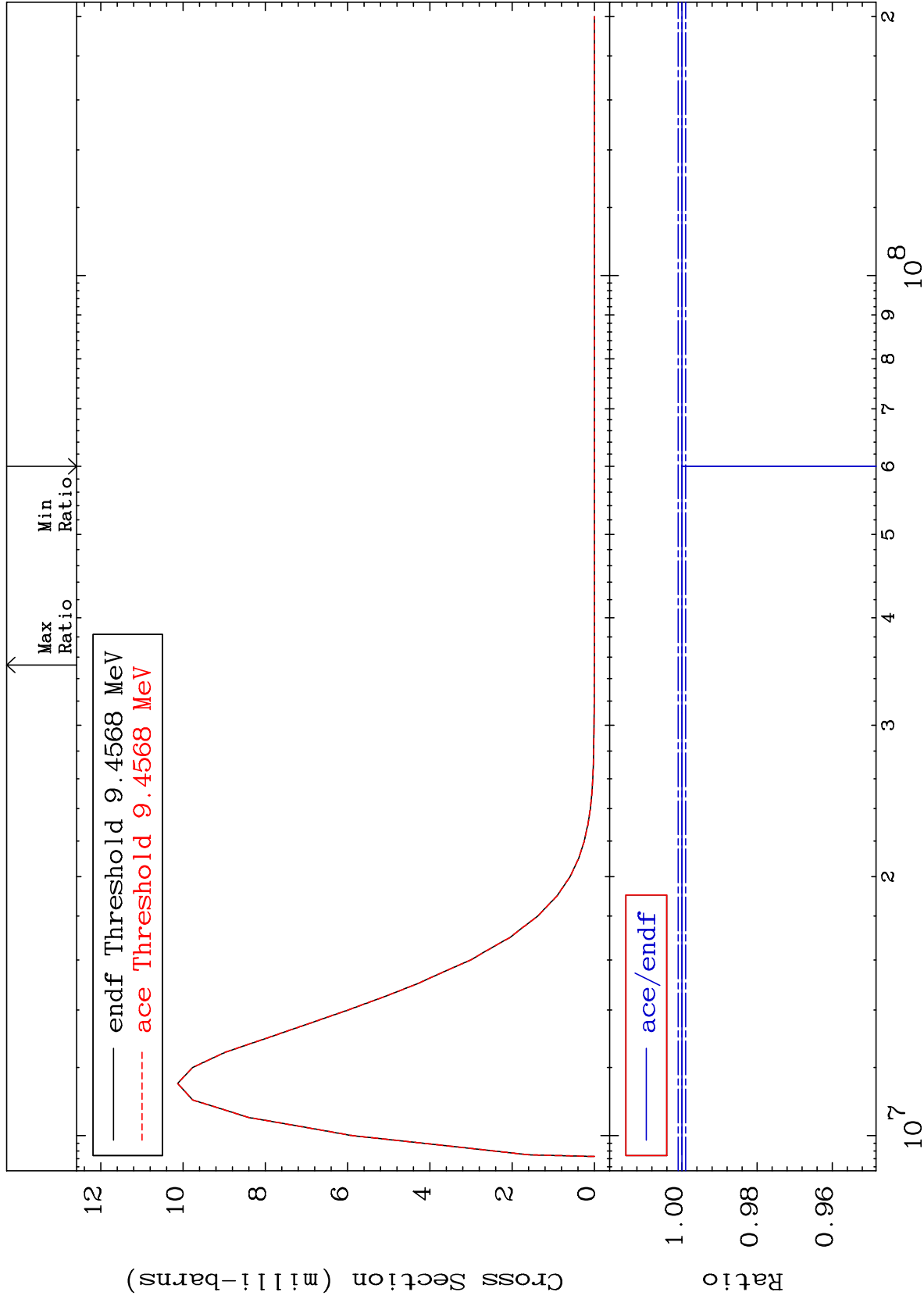


49

MAT 831

8.955 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



50

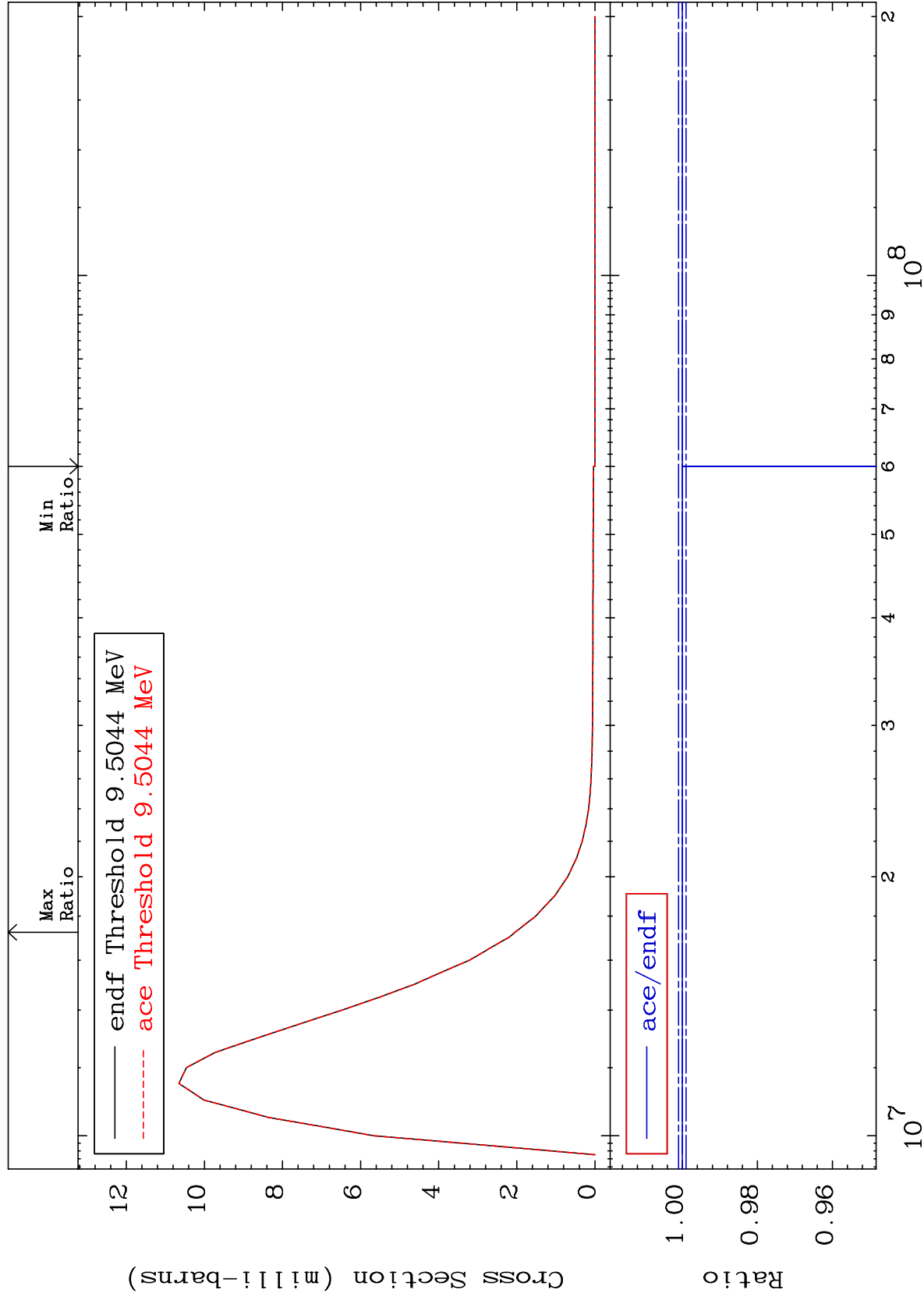
Incident Energy (eV)

8-0 -18

MAT 831

9.000 MeV (n,n') Level
Cross Section

8-0 -18
-100.0 To 0.000 %



51

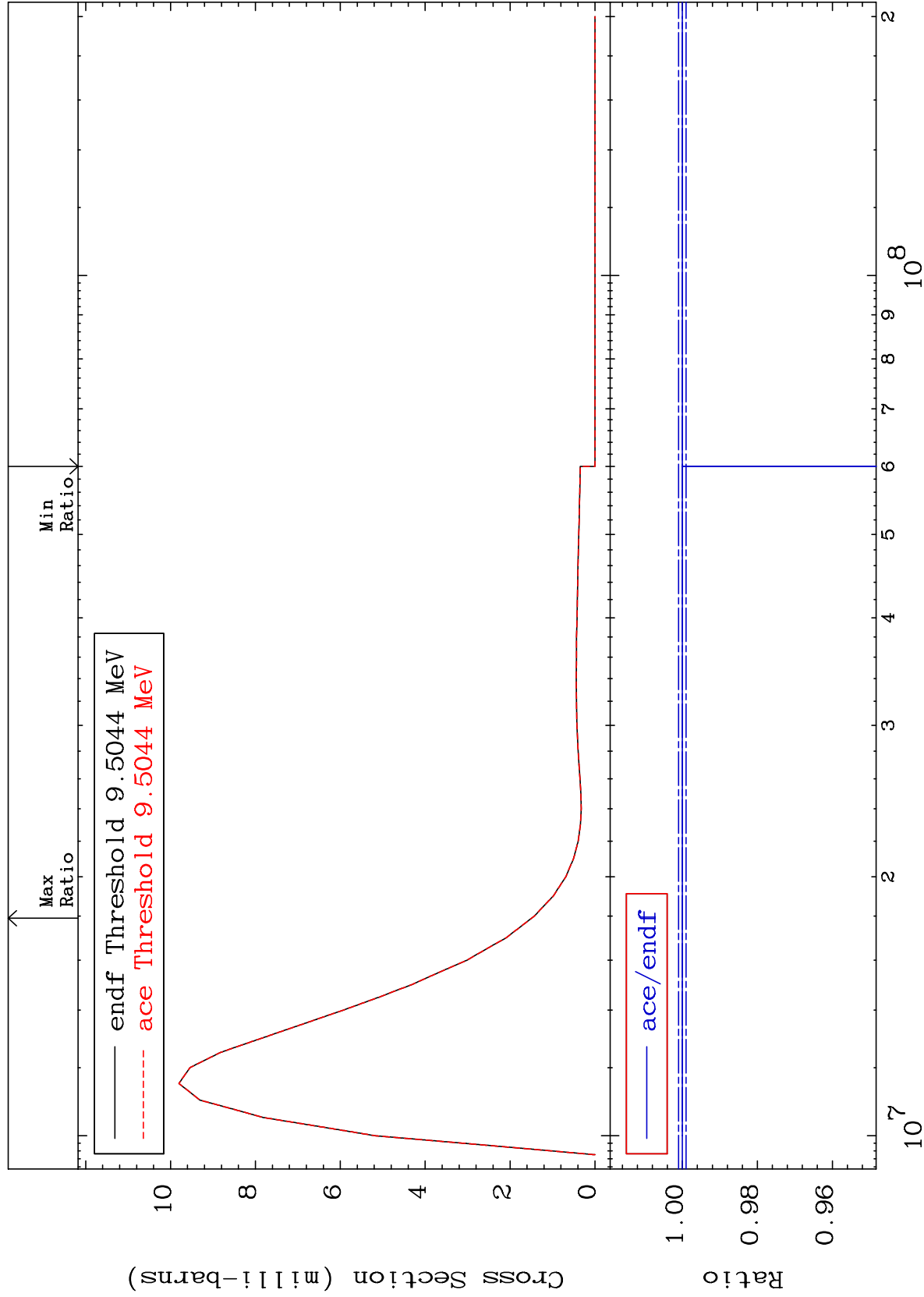
Incident Energy (eV)

8-0 -18

MAT 831

(n,n') Continuum
Cross Section

8-0 -18
-100.0 To 0.000 %



52

Incident Energy (eV)

8-0 -18

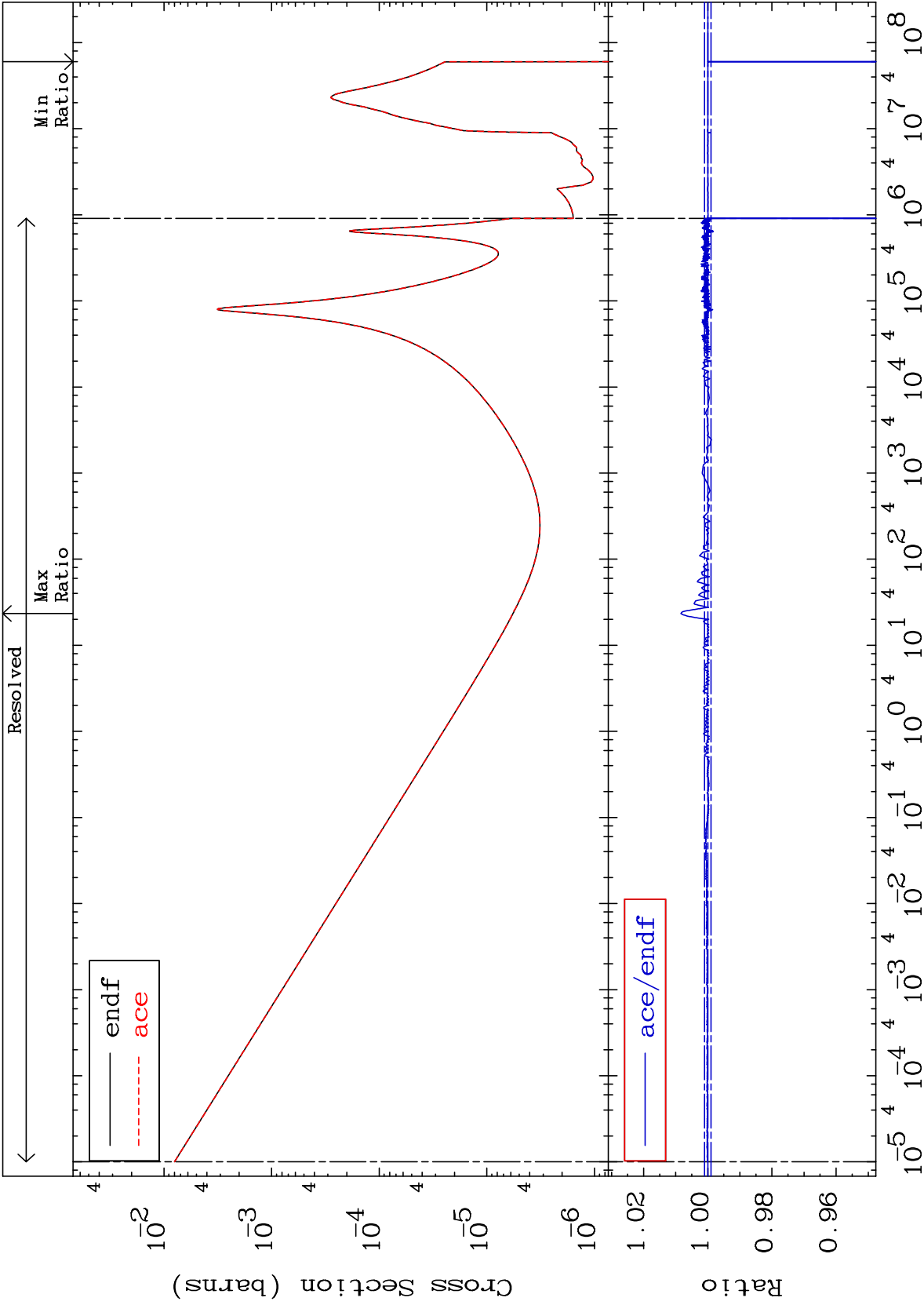
MAT 831

(n, γ)

8-0 -18

Cross Section

-100.0 To 0.837 %



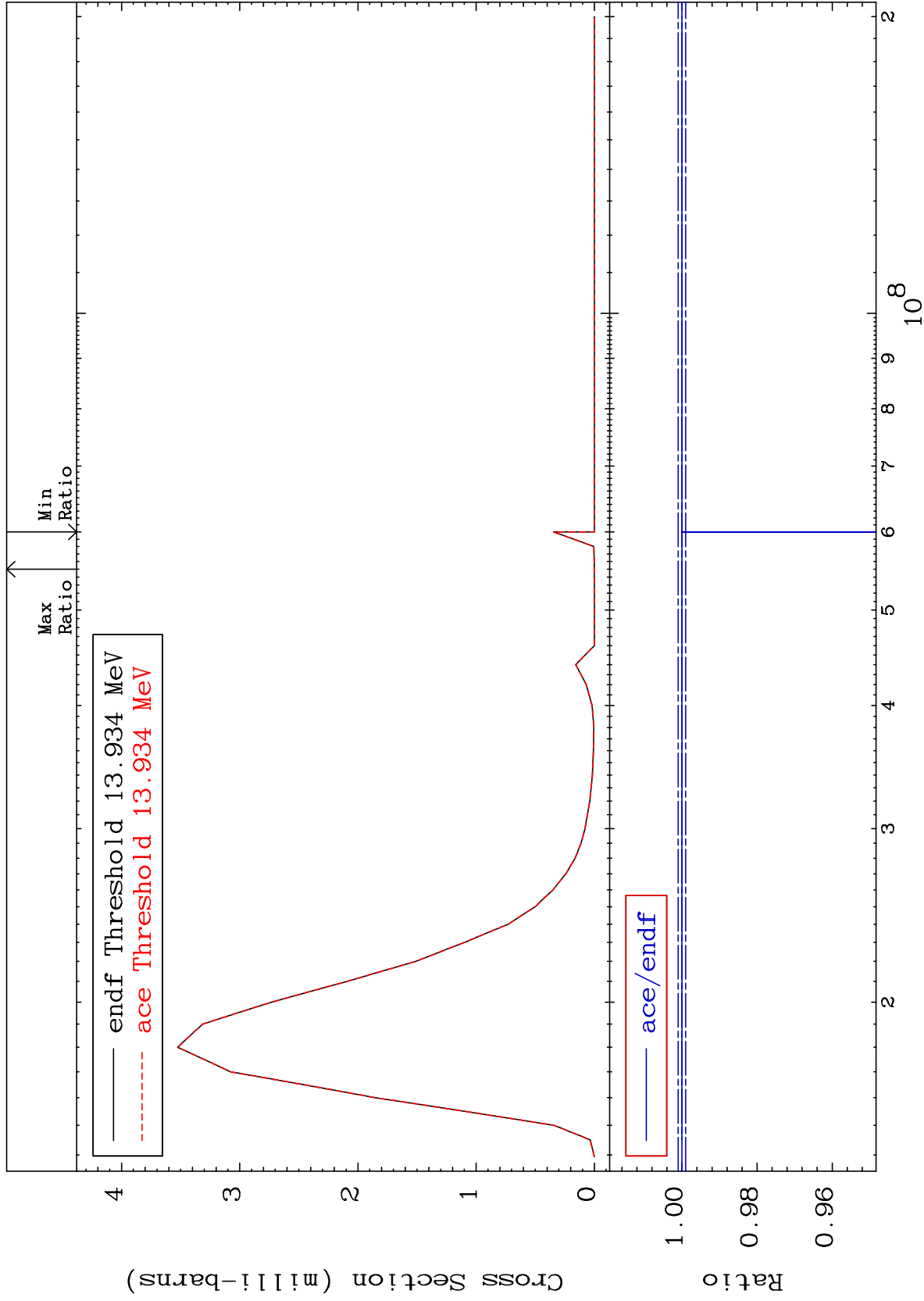
53

Incident Energy (eV)

8-0 -18

MAT 831

(n,p)
Cross Section
-100.0 To 0.000 %
8-0 -18



54

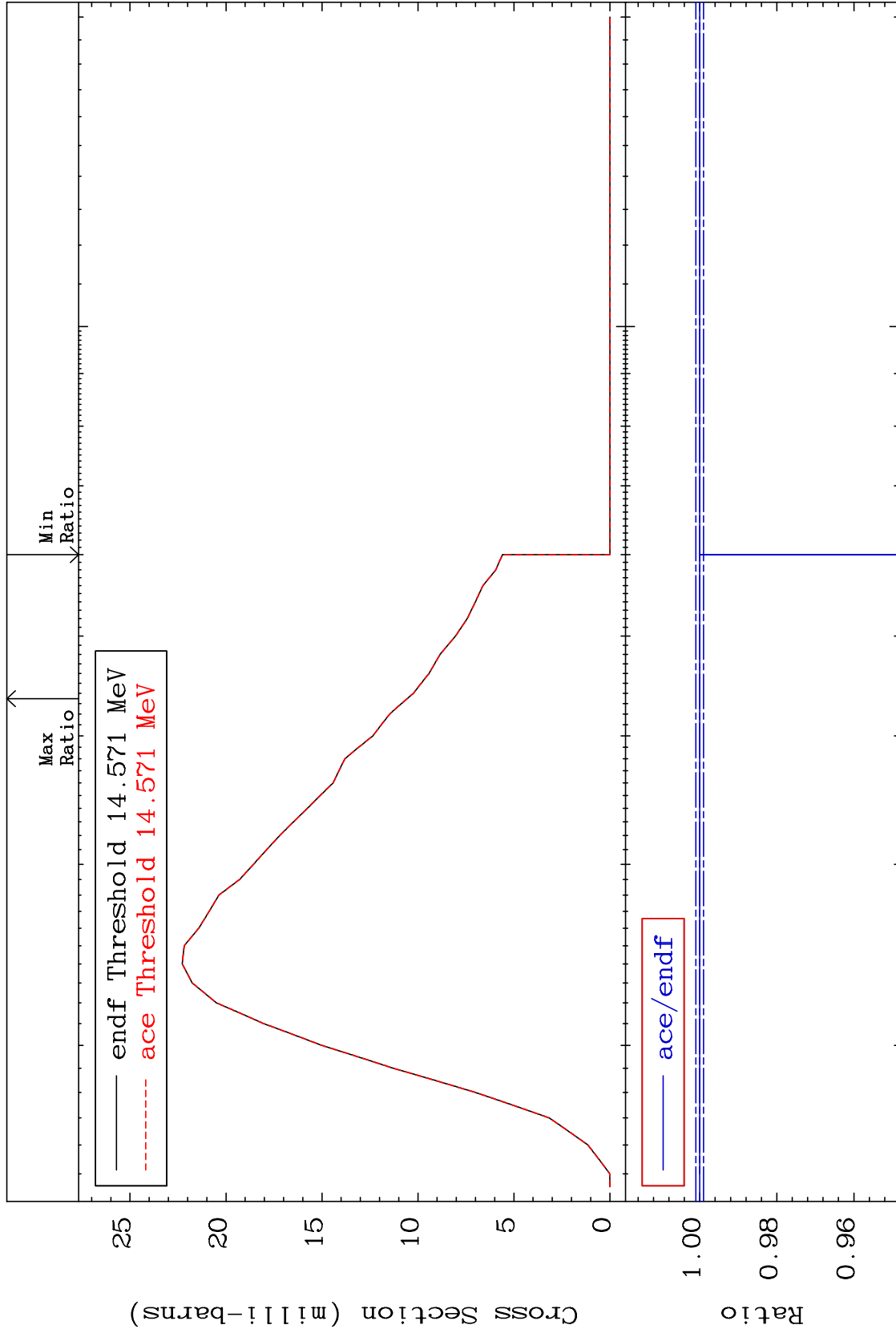
8-0 -18

MAT 831

(n, d)

8-0 -18
-100.0 To 0.000 %

Cross Section



55

Incident Energy (eV)

8-0 -18

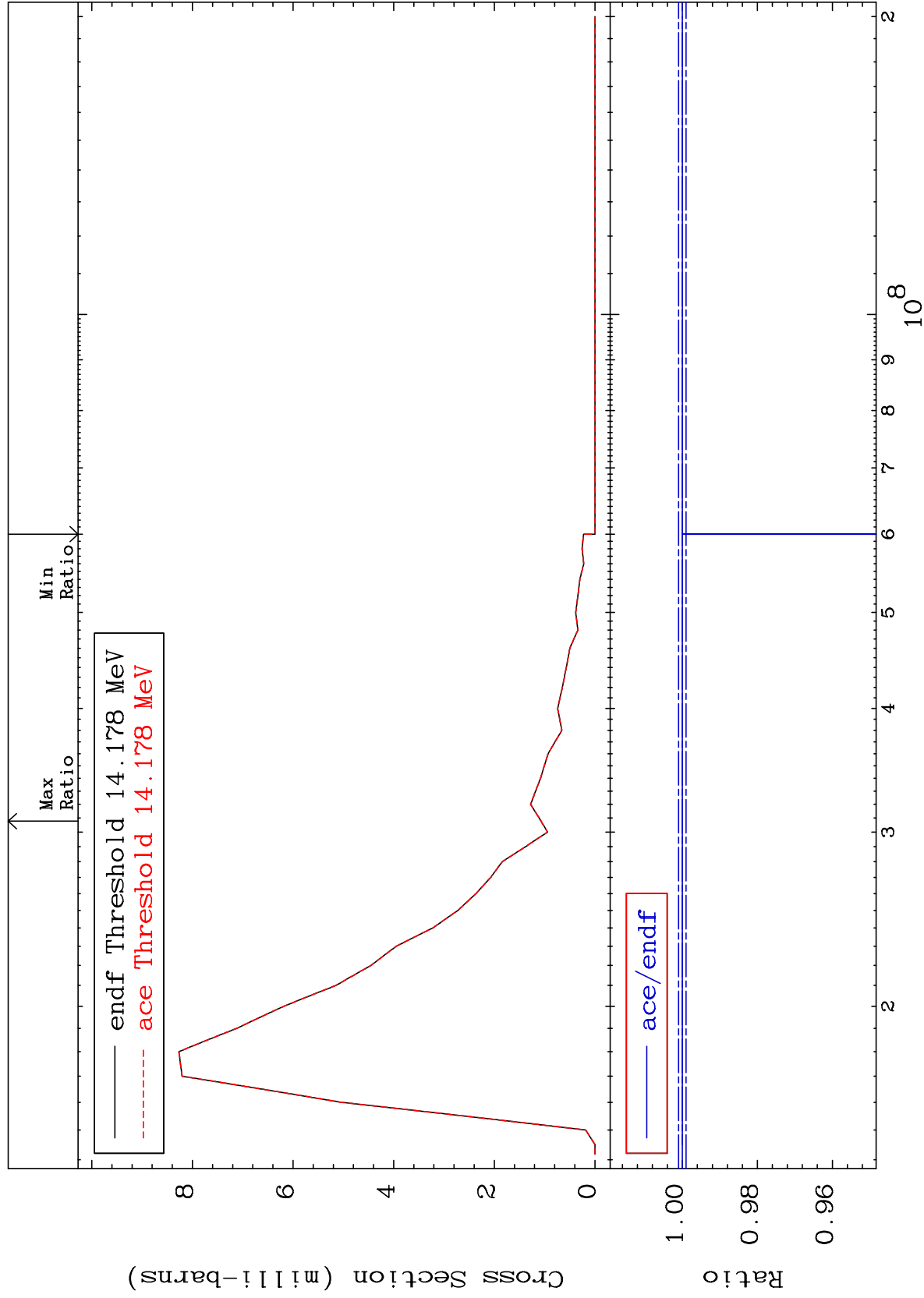
MAT 831

(n, t)

8-0 -18

Cross Section

-100.0 To 0.000 %



56

Incident Energy (eV)

8-0 -18

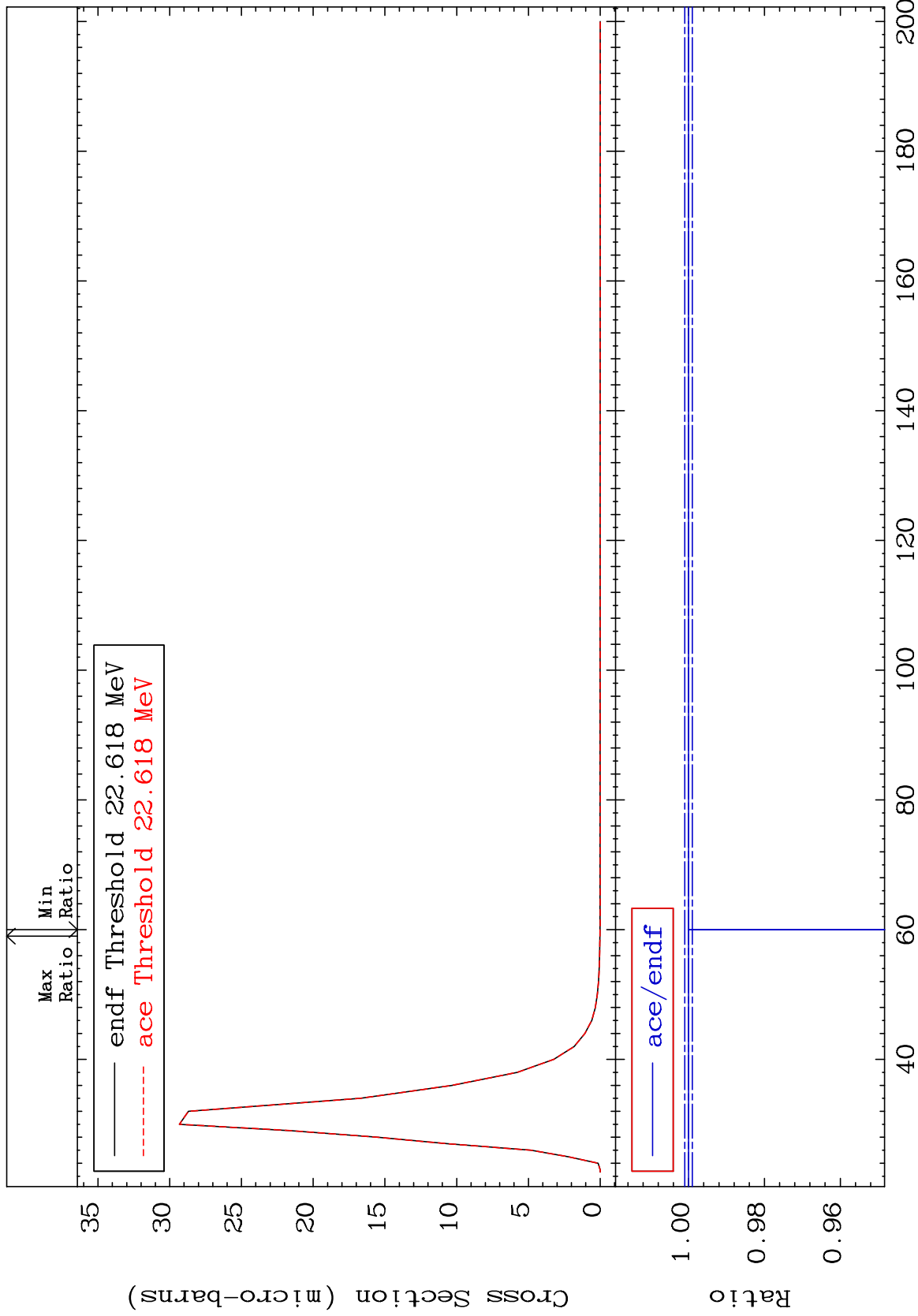
MAT 831

(n, He-3)

8-0 -18

Cross Section

-100.0 To 0.000 %



Max Ratio

Min Ratio

— endf Threshold 22.618 MeV

- - - ace Threshold 22.618 MeV

— ace/endf

57

Incident Energy (MeV)

8-0 -18

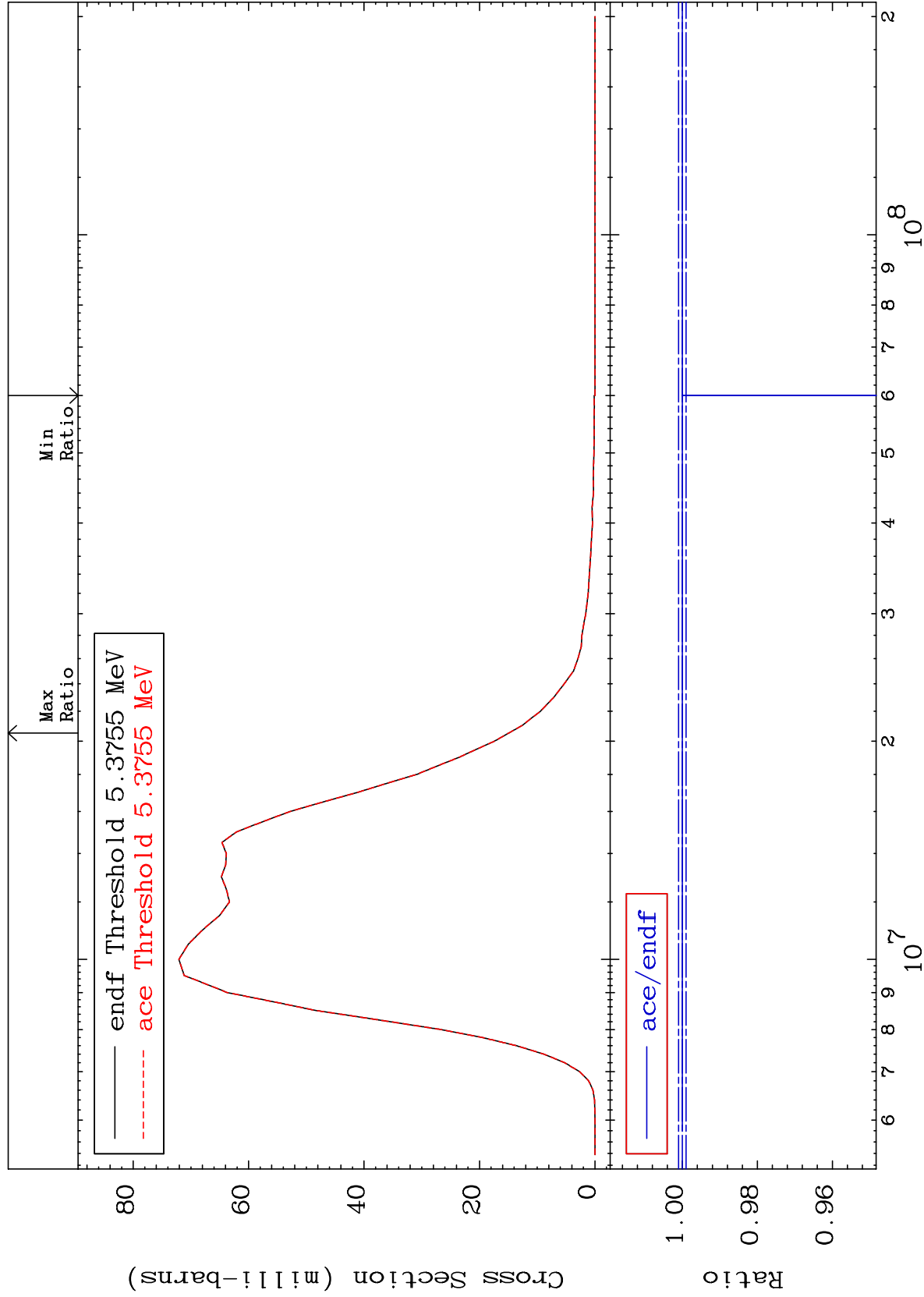
MAT 831

(n, α)

8-0 -18

Cross Section

-100.0 To 0.000 %



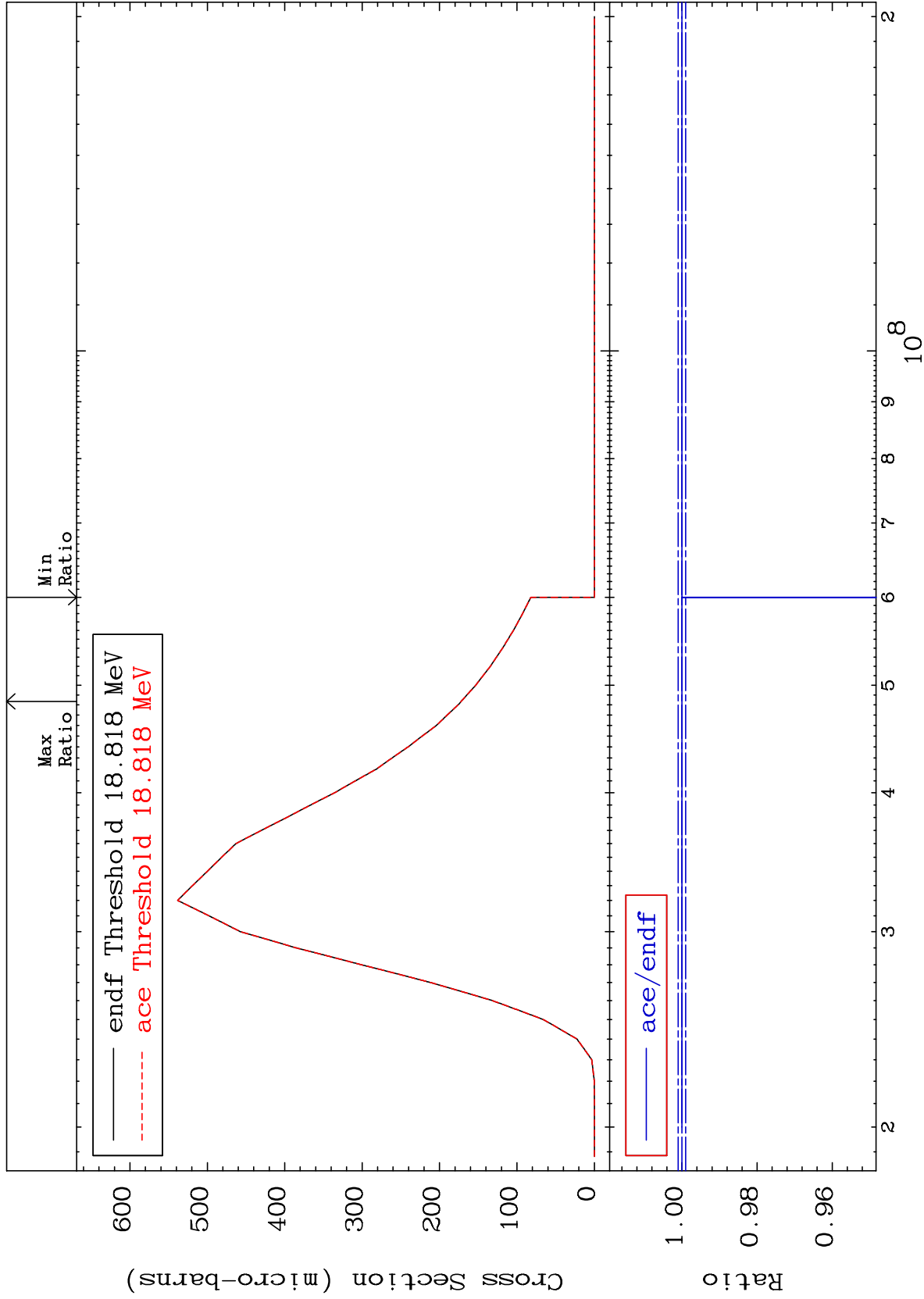
58

MAT 831

(n, 2α)

8-0 -18
-100.0 To 0.000 %

Cross Section



59

8-0 -18

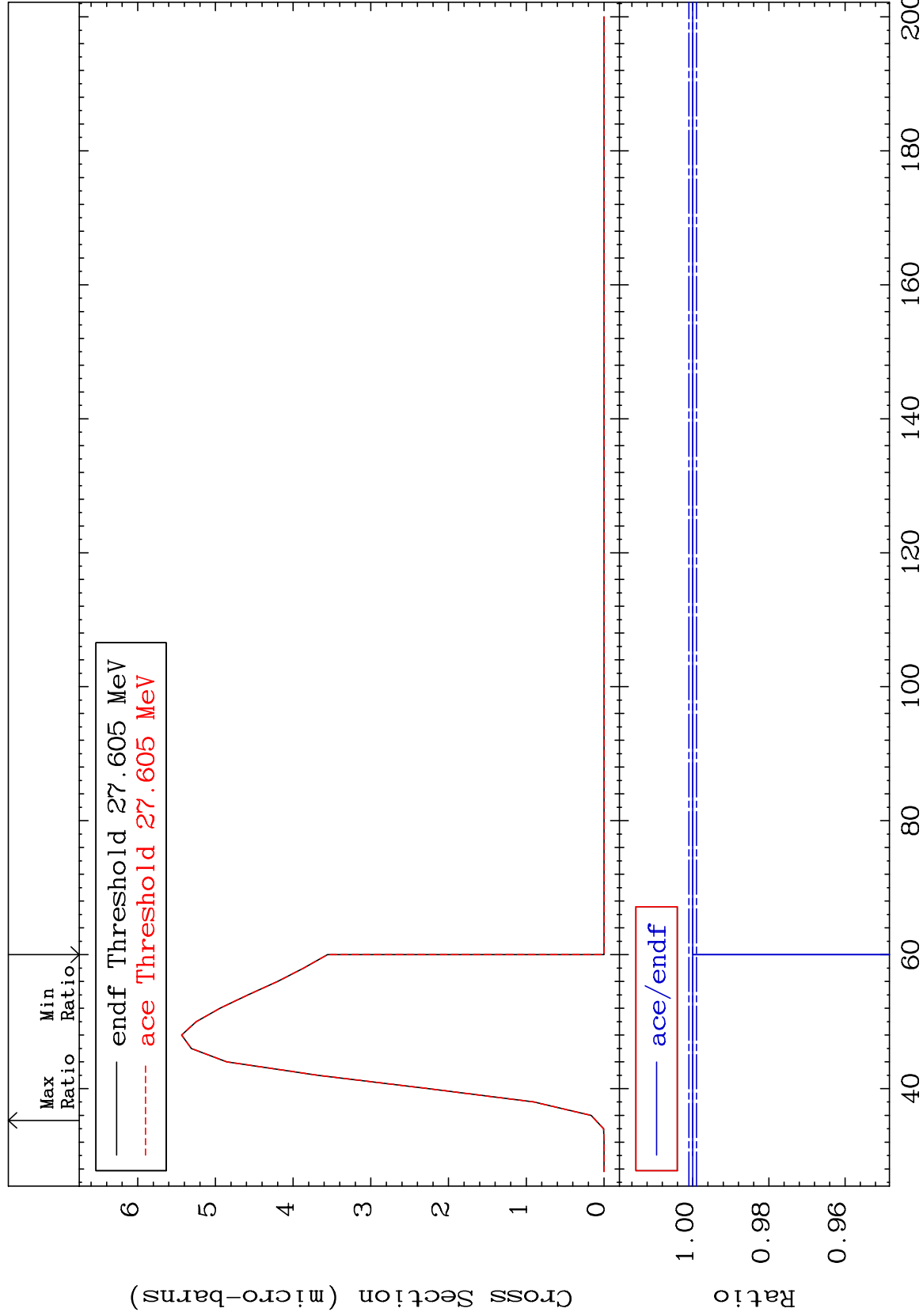
MAT 831

(n, 3α)

8-0 -18

Cross Section

-100.0 To 0.000 %



60

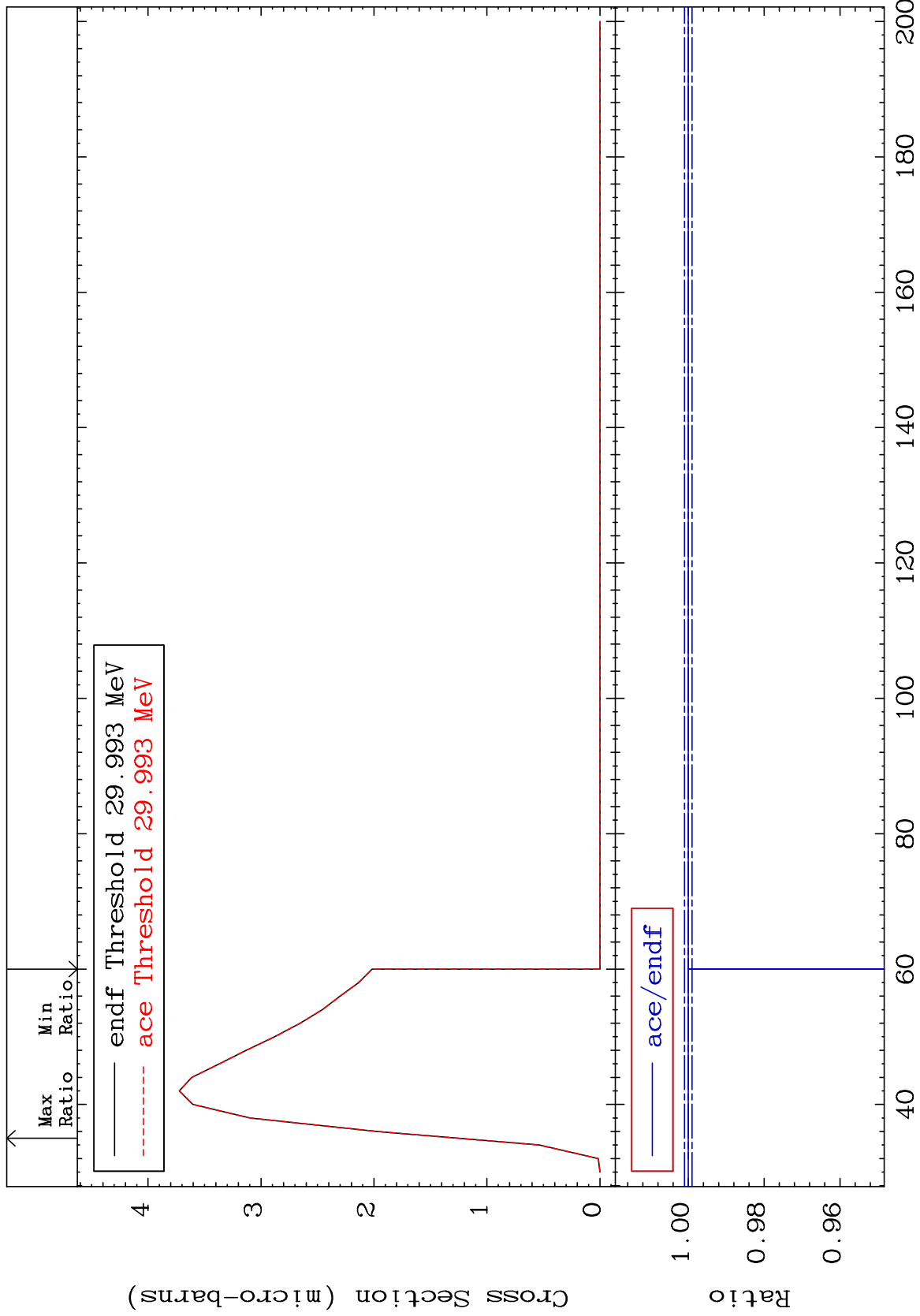
Incident Energy (MeV)

8-0 -18

MAT 831

(n,2p)
Cross Section

8-0 -18
-100.0 To 0.000 %



61

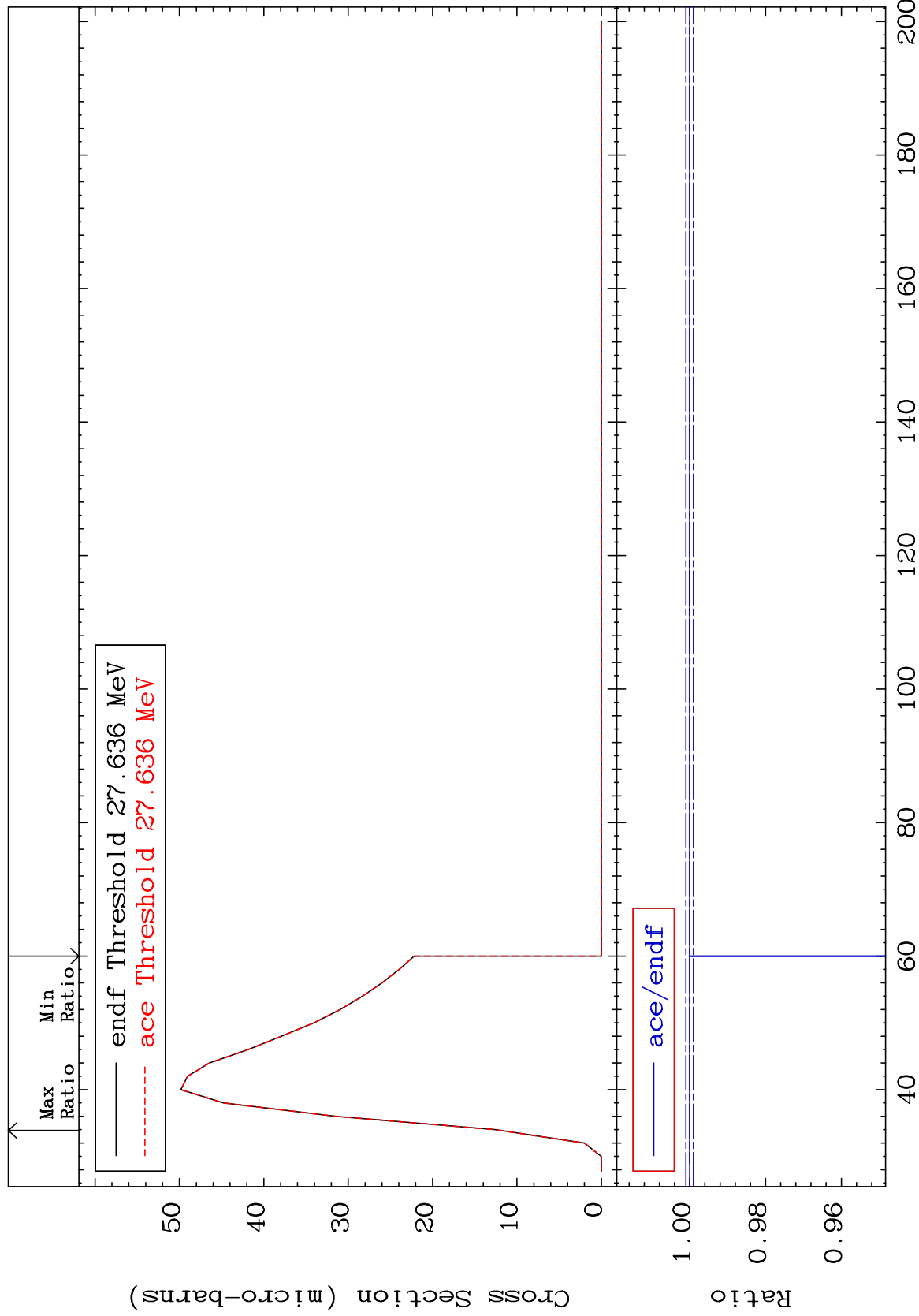
Incident Energy (MeV)

8-0 -18

MAT 831

(n,p) α
Cross Section

8-0 -18
-100.0 To 0.000 %



62

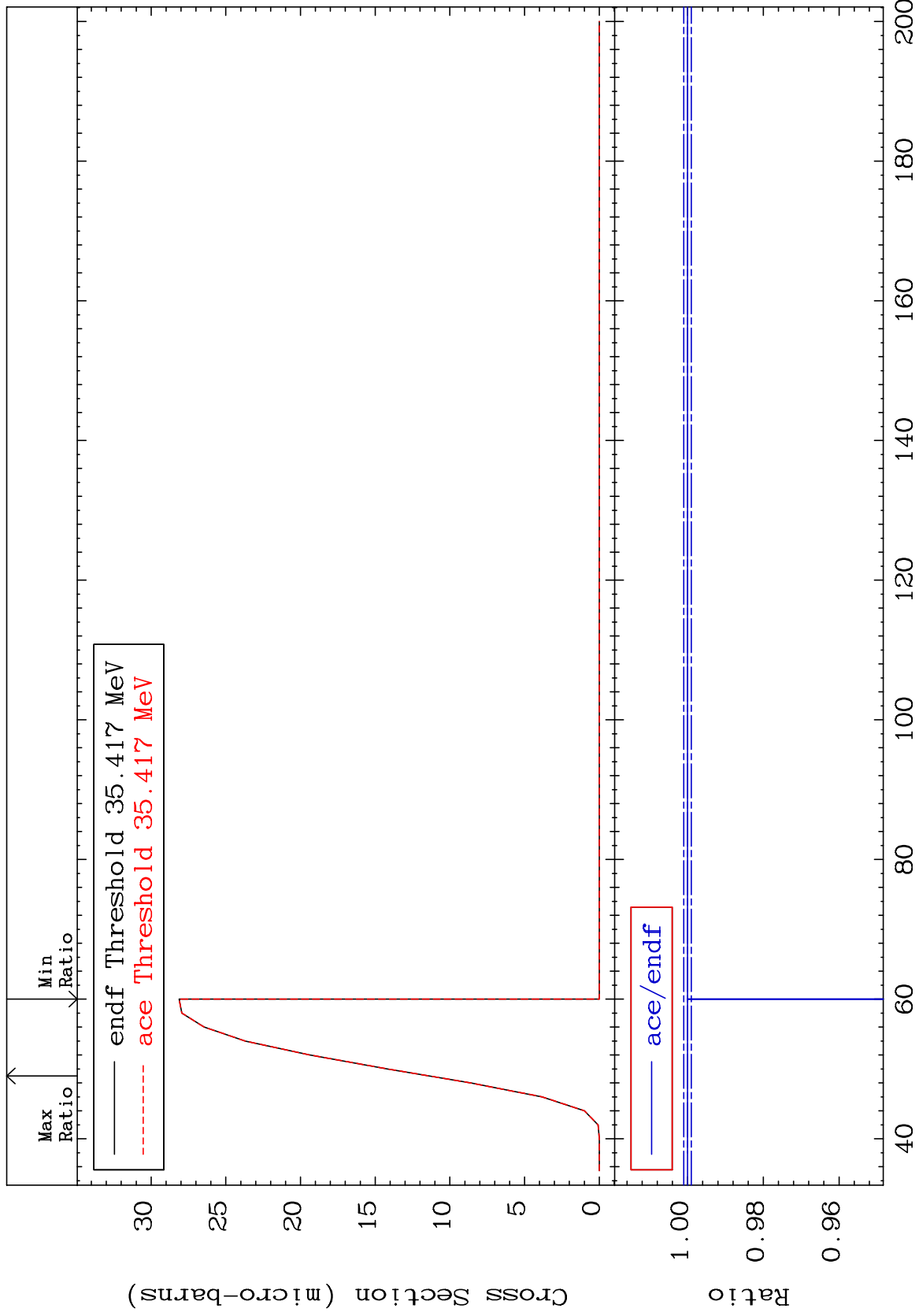
Incident Energy (MeV)

8-0 -18

MAT 831

(n, t) 2α
Cross Section

8-0 -18
-100.0 To 0.000 %



63

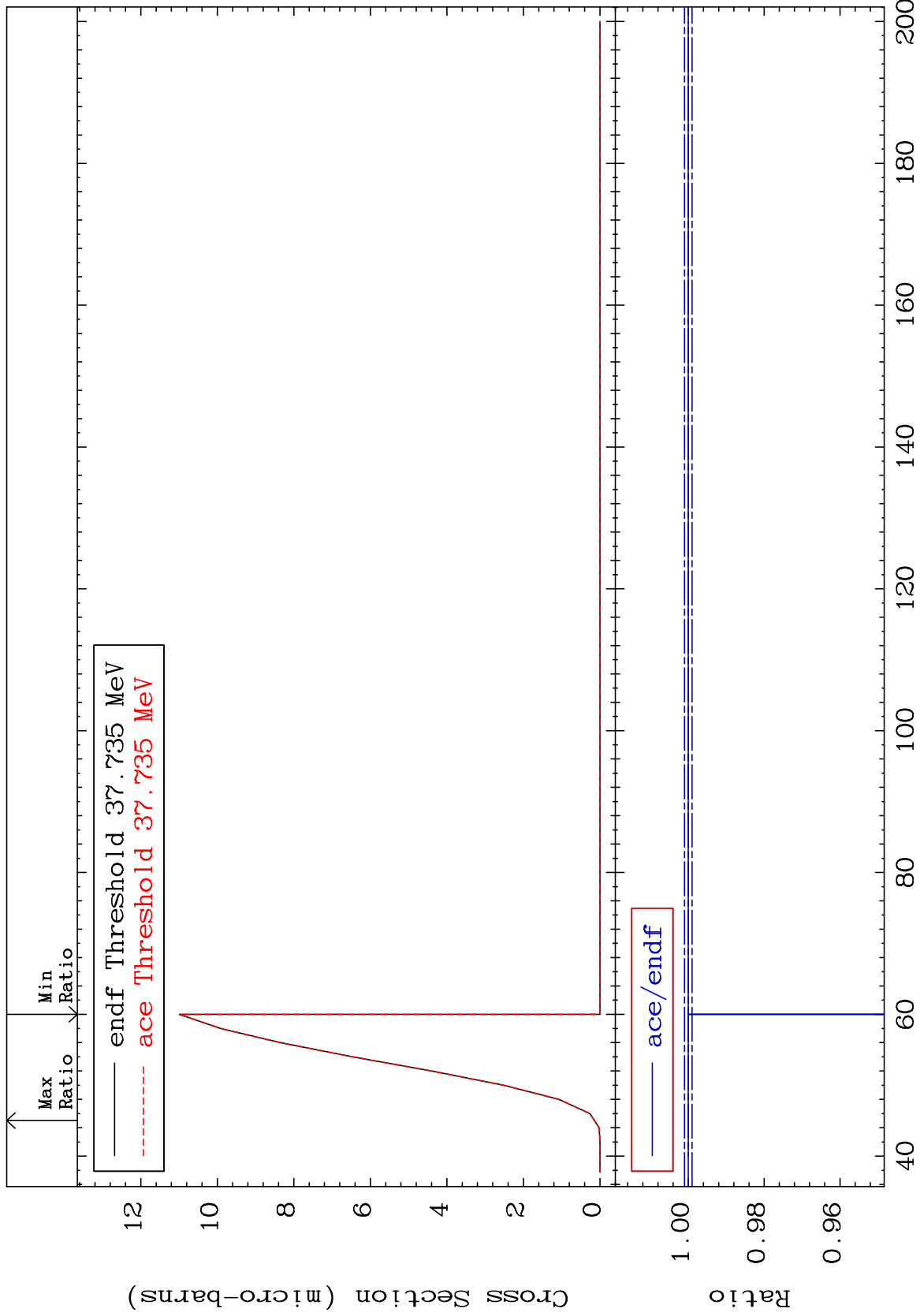
Incident Energy (MeV)

8-0 -18

MAT 831

(n, d) 2α
Cross Section

8-0 -18
-100.0 To 0.000 %



64

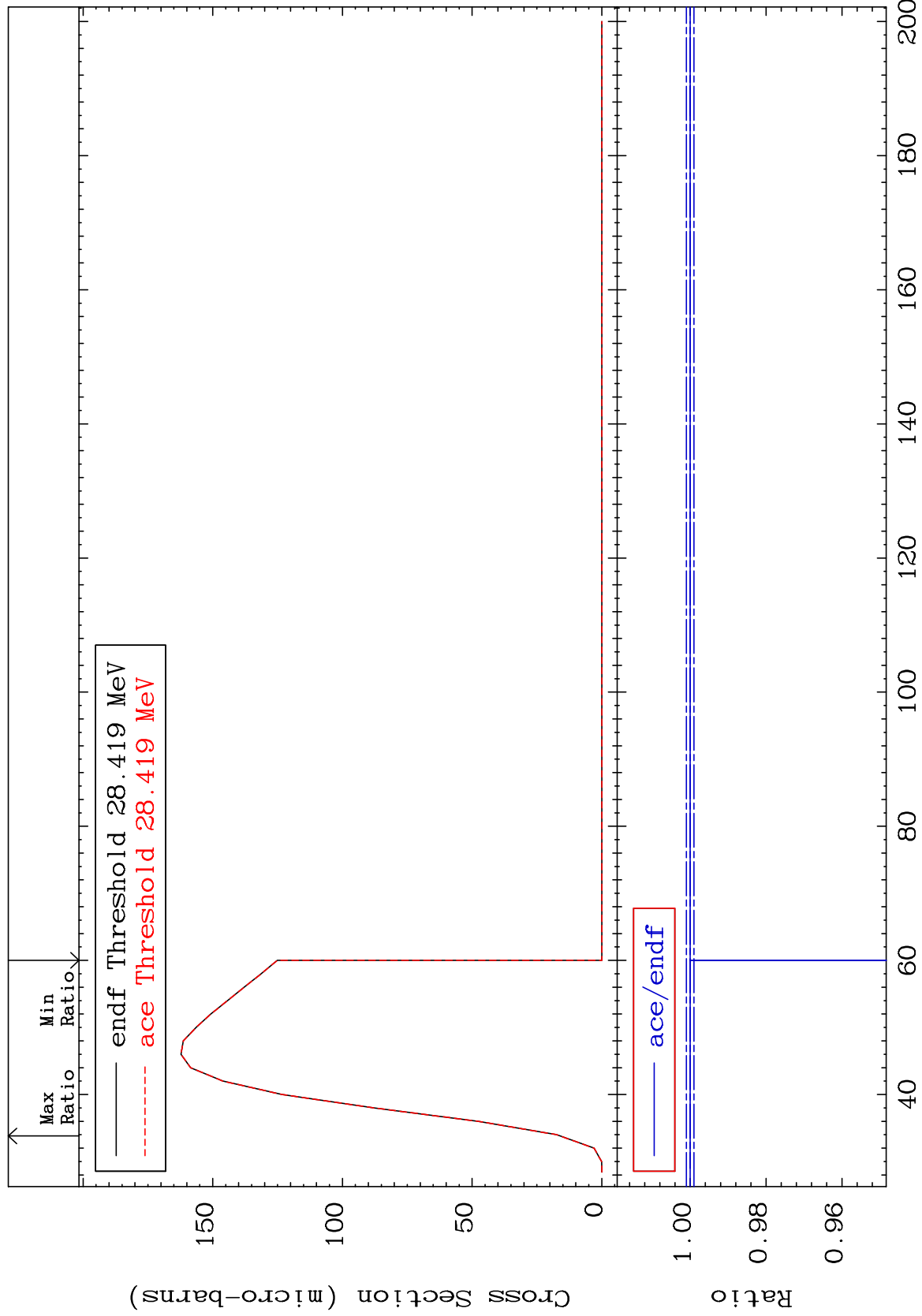
Incident Energy (MeV)

8-0 -18

MAT 831

(n,p) d
Cross Section

8-0 -18
-100.0 To 0.000 %



65

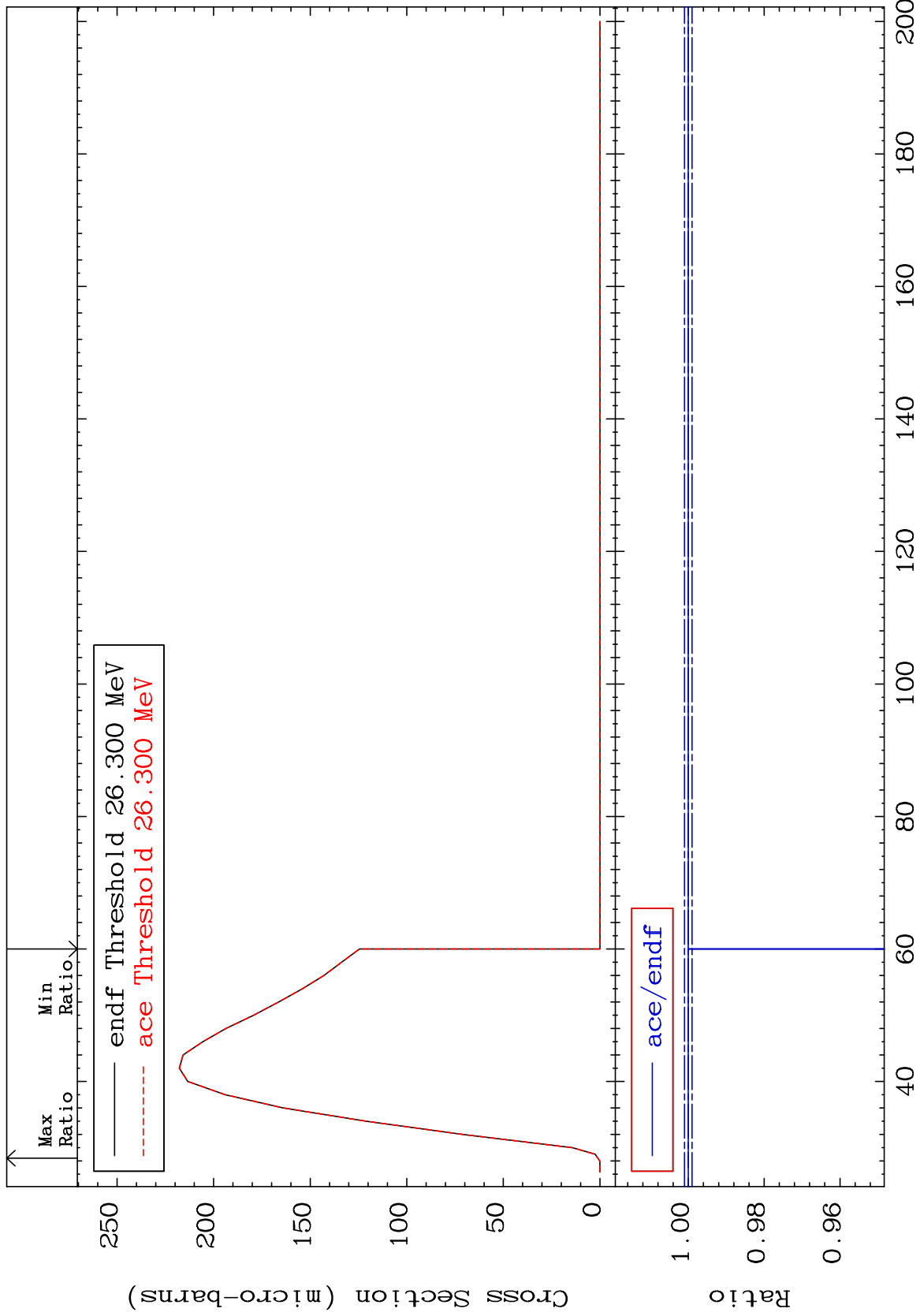
Incident Energy (MeV)

8-0 -18

MAT 831

(n,p) t
Cross Section

8-0 -18
-100.0 To 0.000 %



66

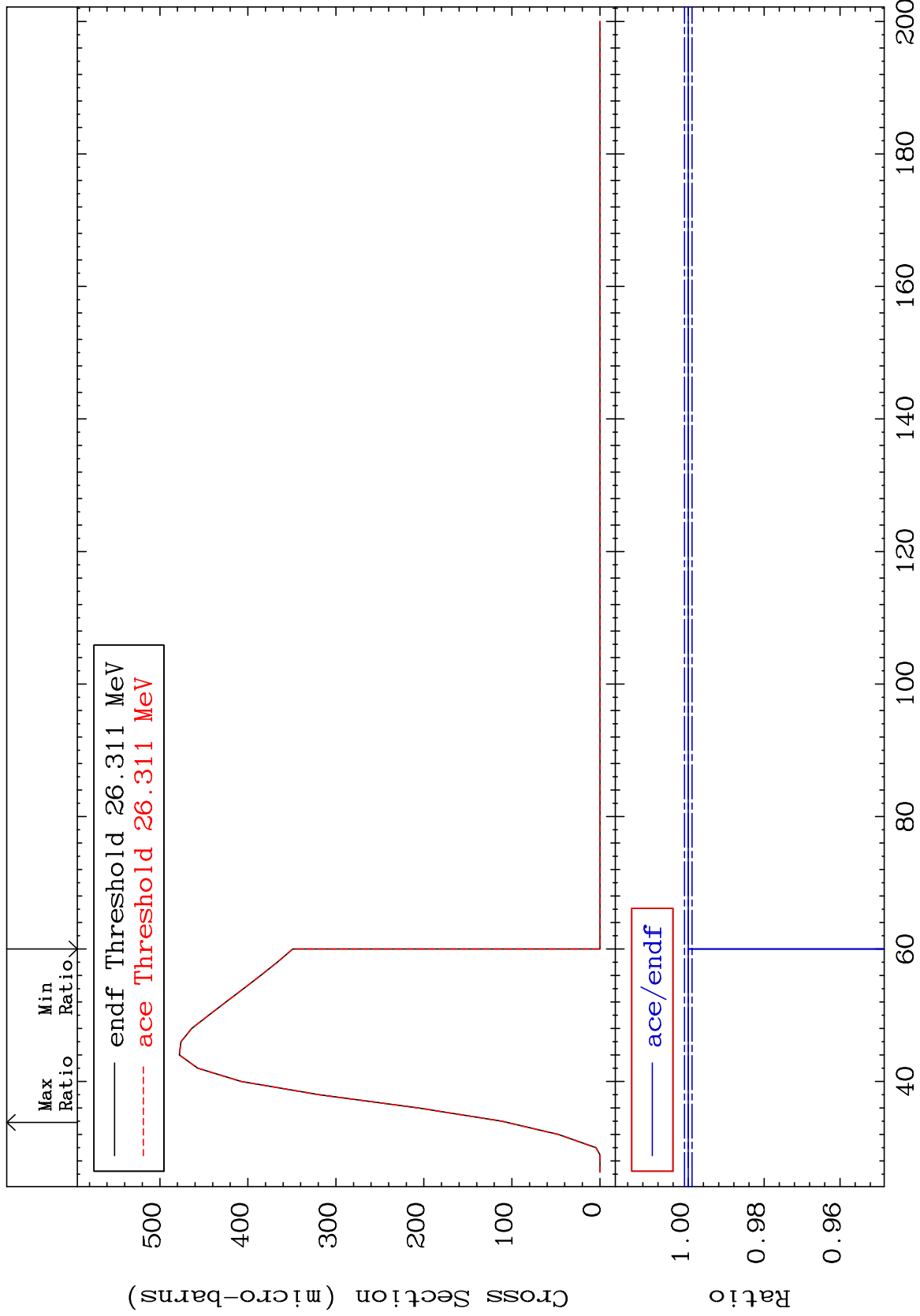
Incident Energy (MeV)

8-0 -18

MAT 831

(n,d) α
Cross Section

8-0 -18
-100.0 To 0.000 %



67

Incident Energy (MeV)

8-0 -18

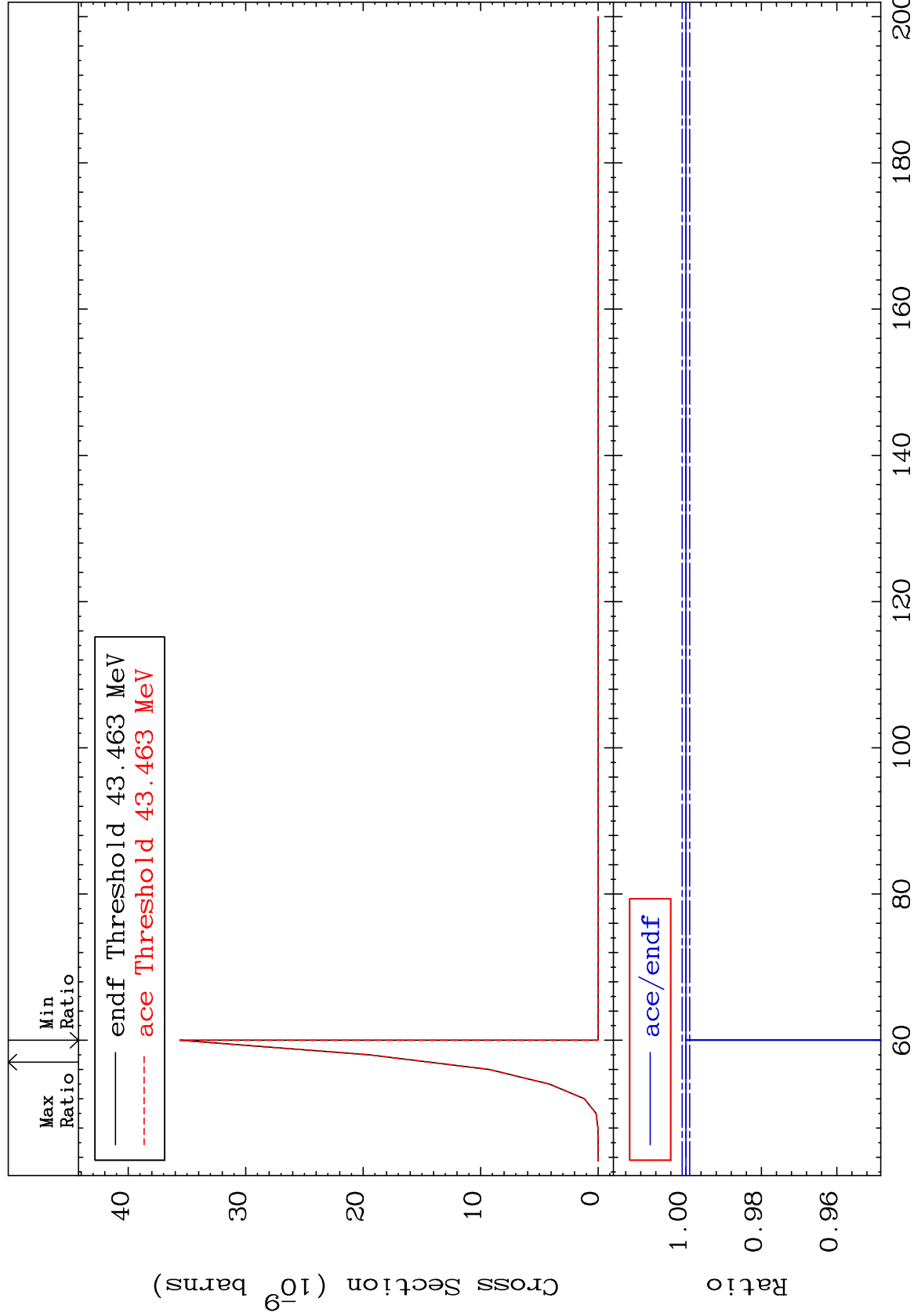
MAT 831

(n, 5n)

8-0 -18

Cross Section

-100.0 To 0.000 %



68

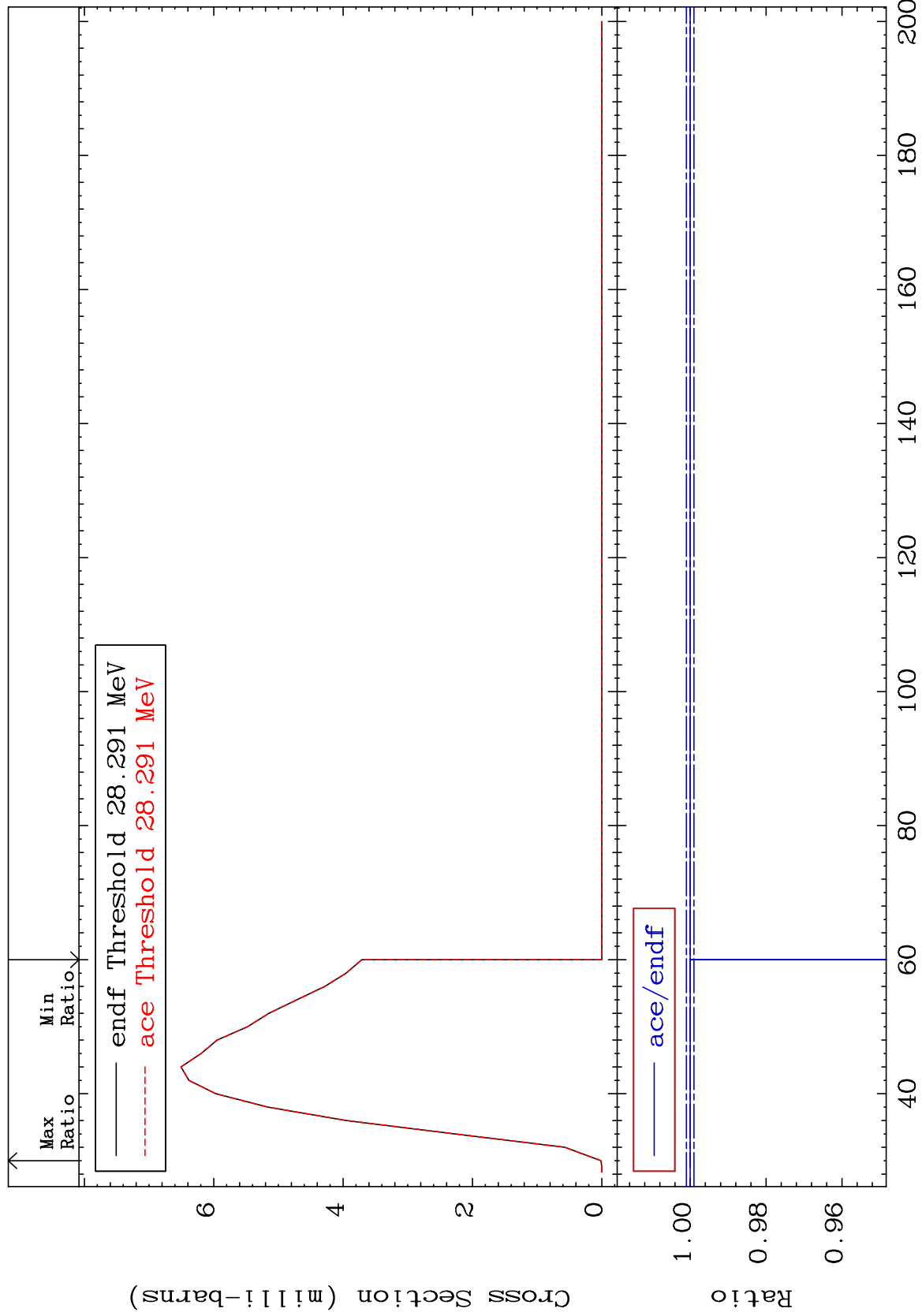
Incident Energy (MeV)

8-0 -18

MAT 831

(n,2nt)
Cross Section

8-0 -18
-100.0 To 0.000 %



69

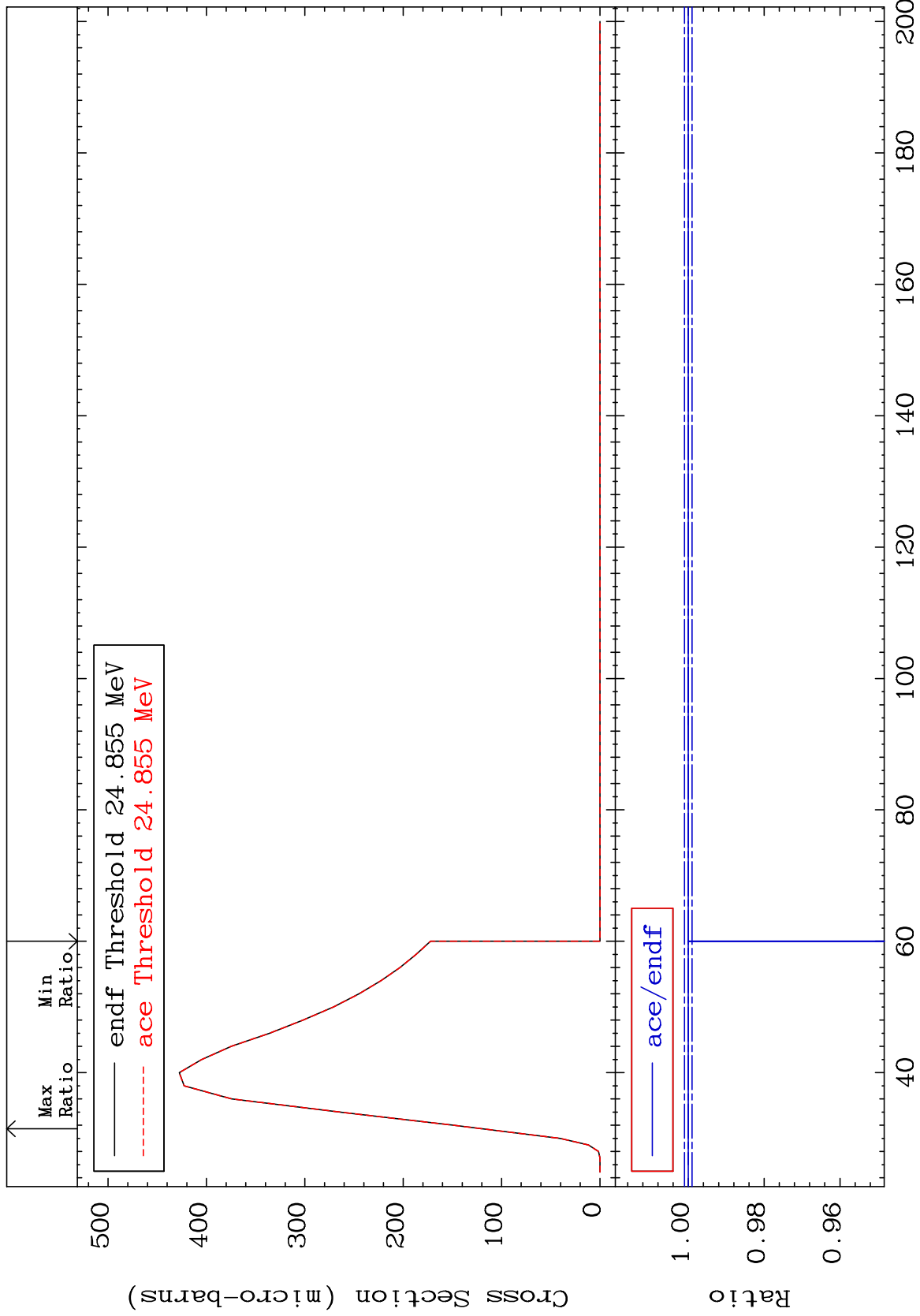
Incident Energy (MeV)

8-0 -18

MAT 831

(n, α)
Cross Section

8-0 -18
-100.0 To 0.000 %



70

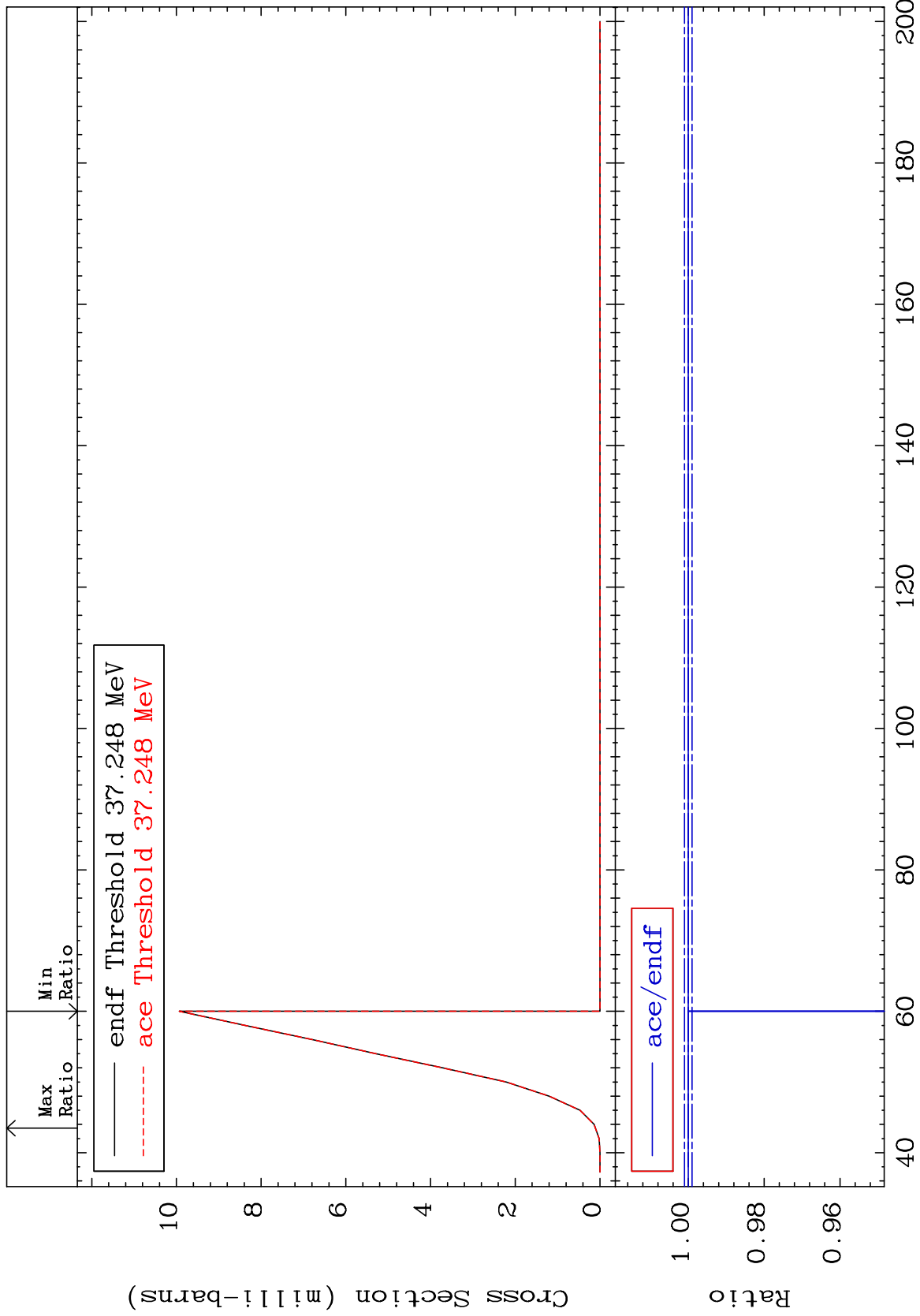
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 4np)
Cross Section

8-0 -18
-100.0 To 0.000 %



71

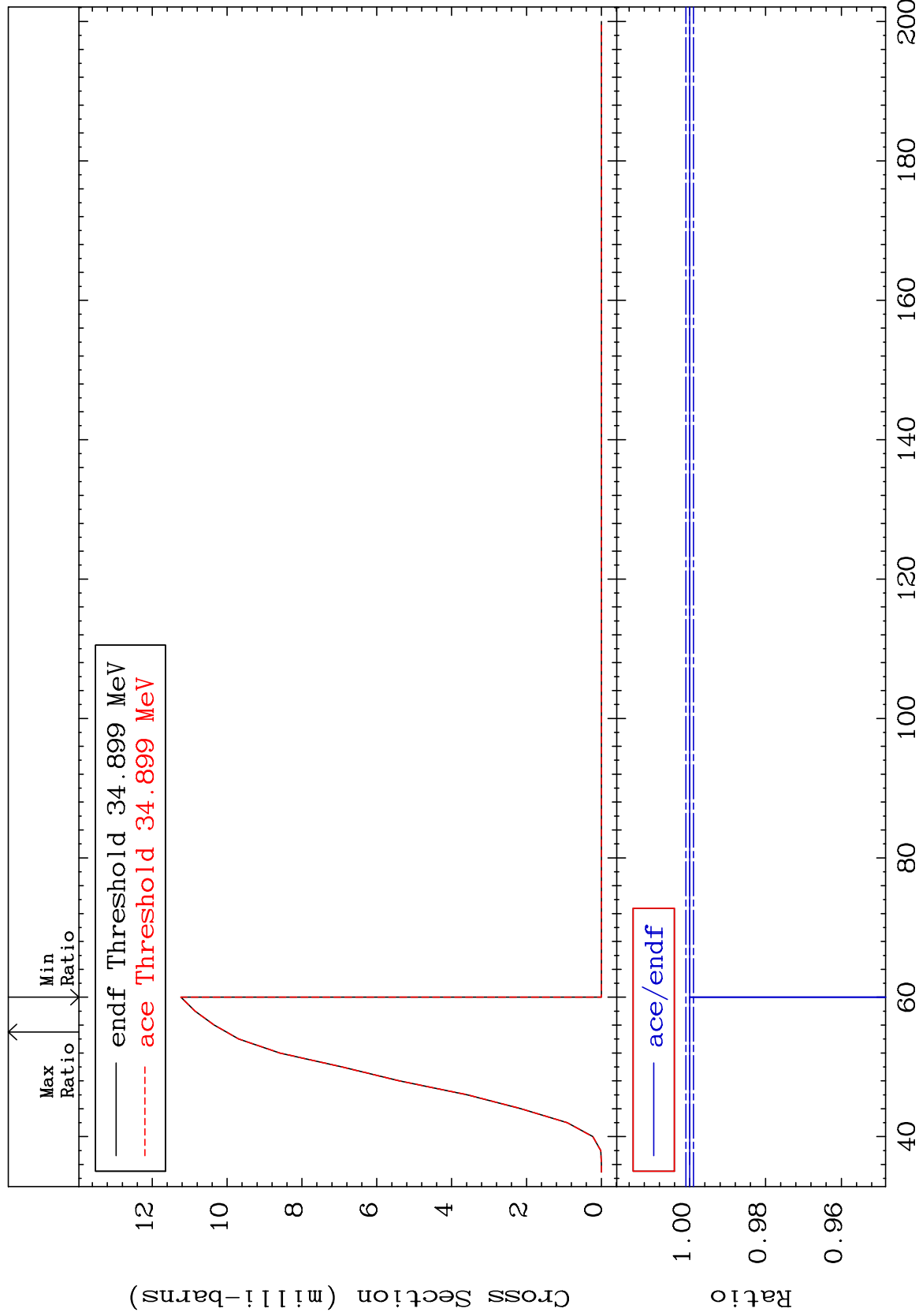
Incident Energy (MeV)

8-0 -18

MAT 831

(n,3nd)
Cross Section

8-0 -18
-100.0 To 0.000 %



72

Incident Energy (MeV)

8-0 -18

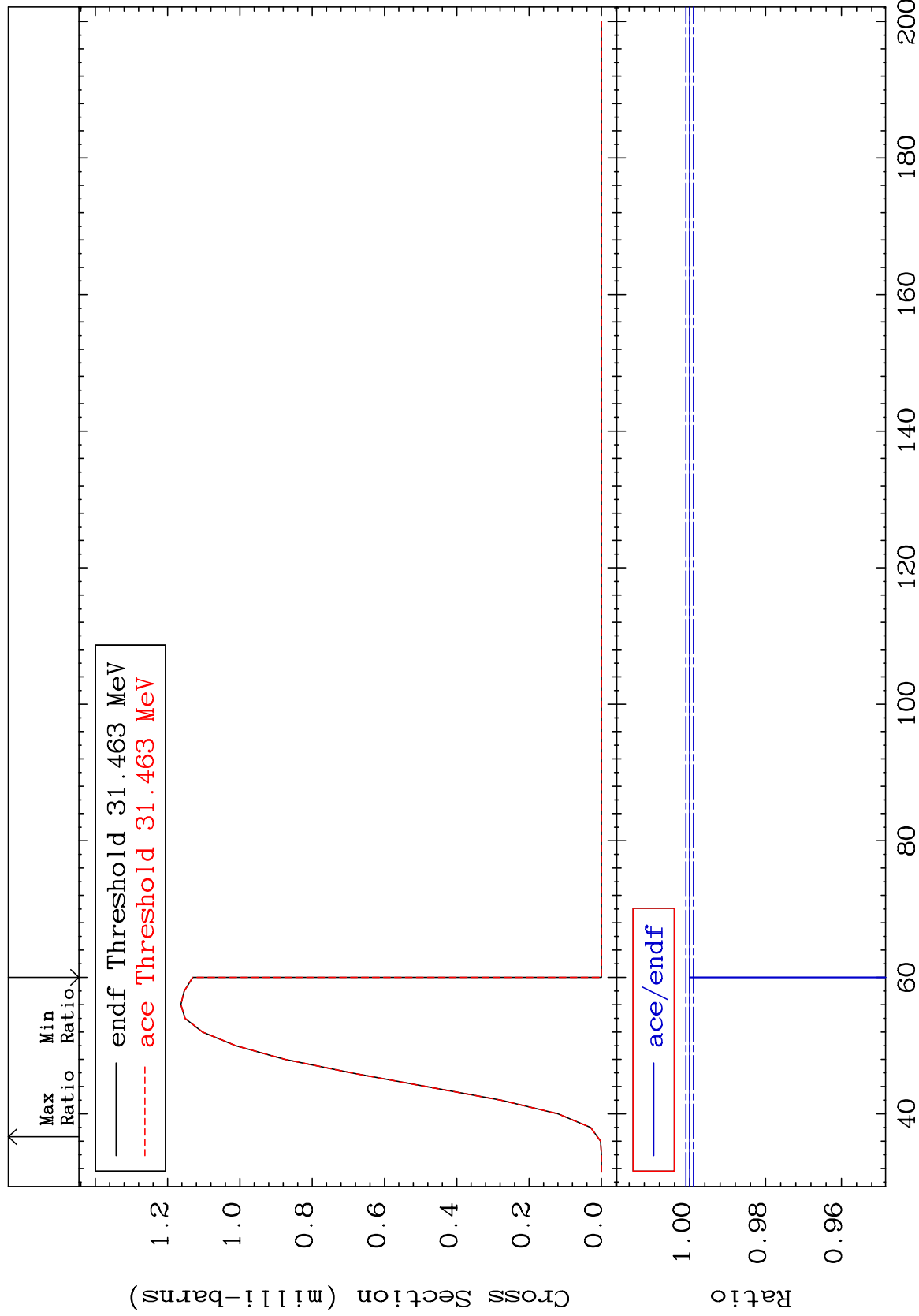
MAT 831

(n, n'α)

8-0 -18

Cross Section

-100.0 To 0.000 %



73

Incident Energy (MeV)

8-0 -18

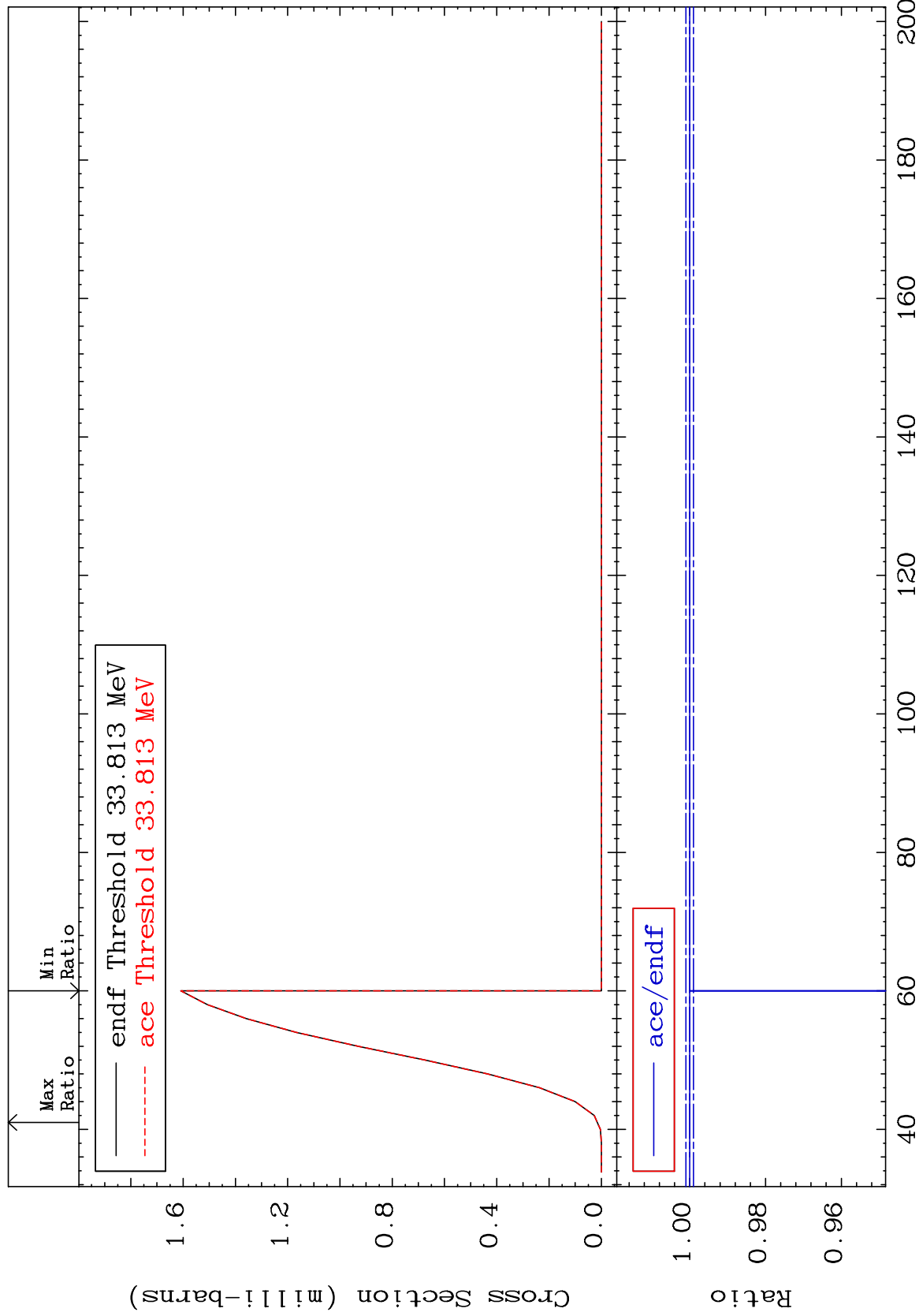
MAT 831

(n,2n α)

8-0 -18

Cross Section

-100.0 To 0.000 %



74

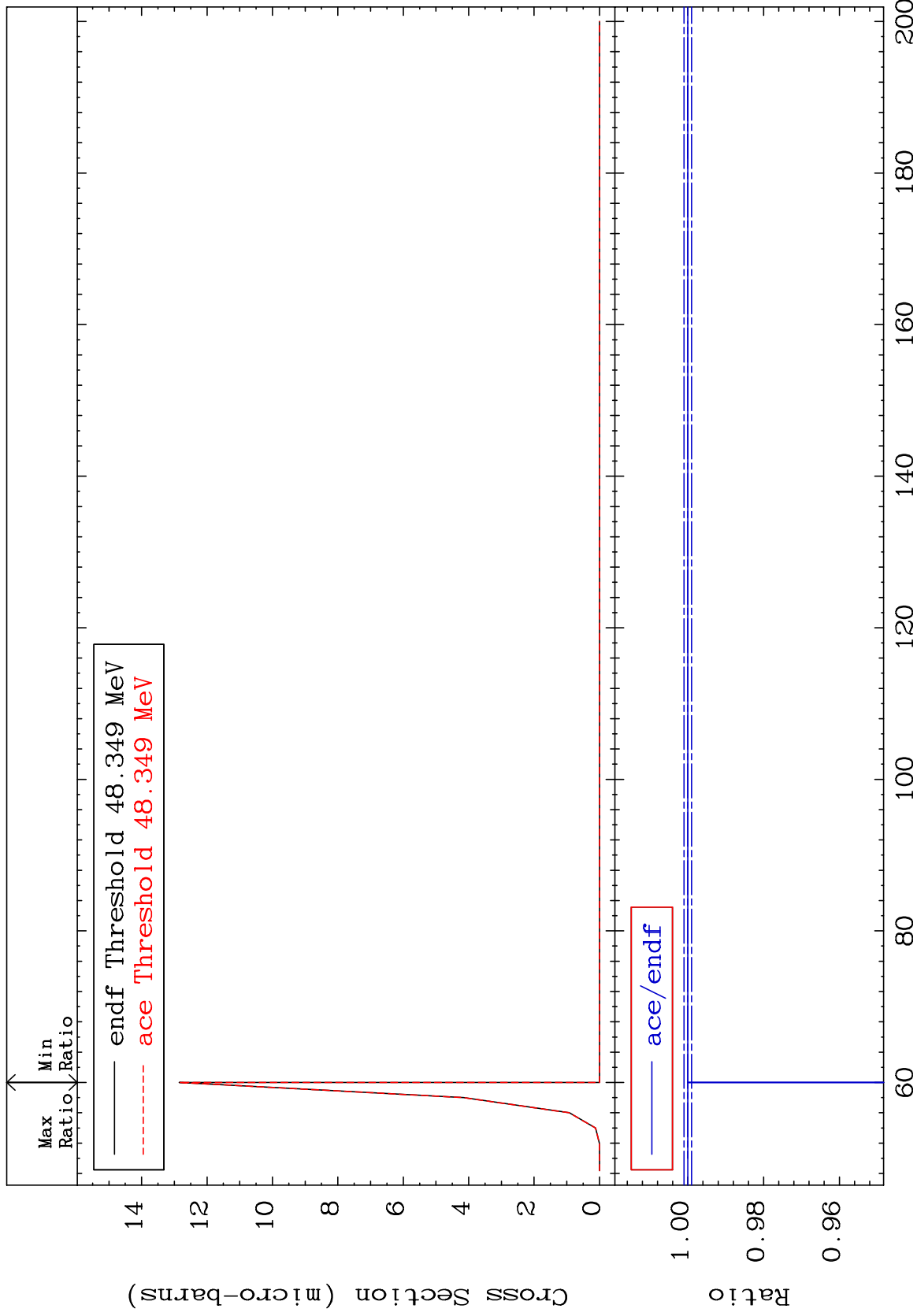
Incident Energy (MeV)

8-0 -18

MAT 831

(n,5np)
Cross Section

8-0 -18
-100.0 To 0.000 %



75

Incident Energy (MeV)

8-0 -18

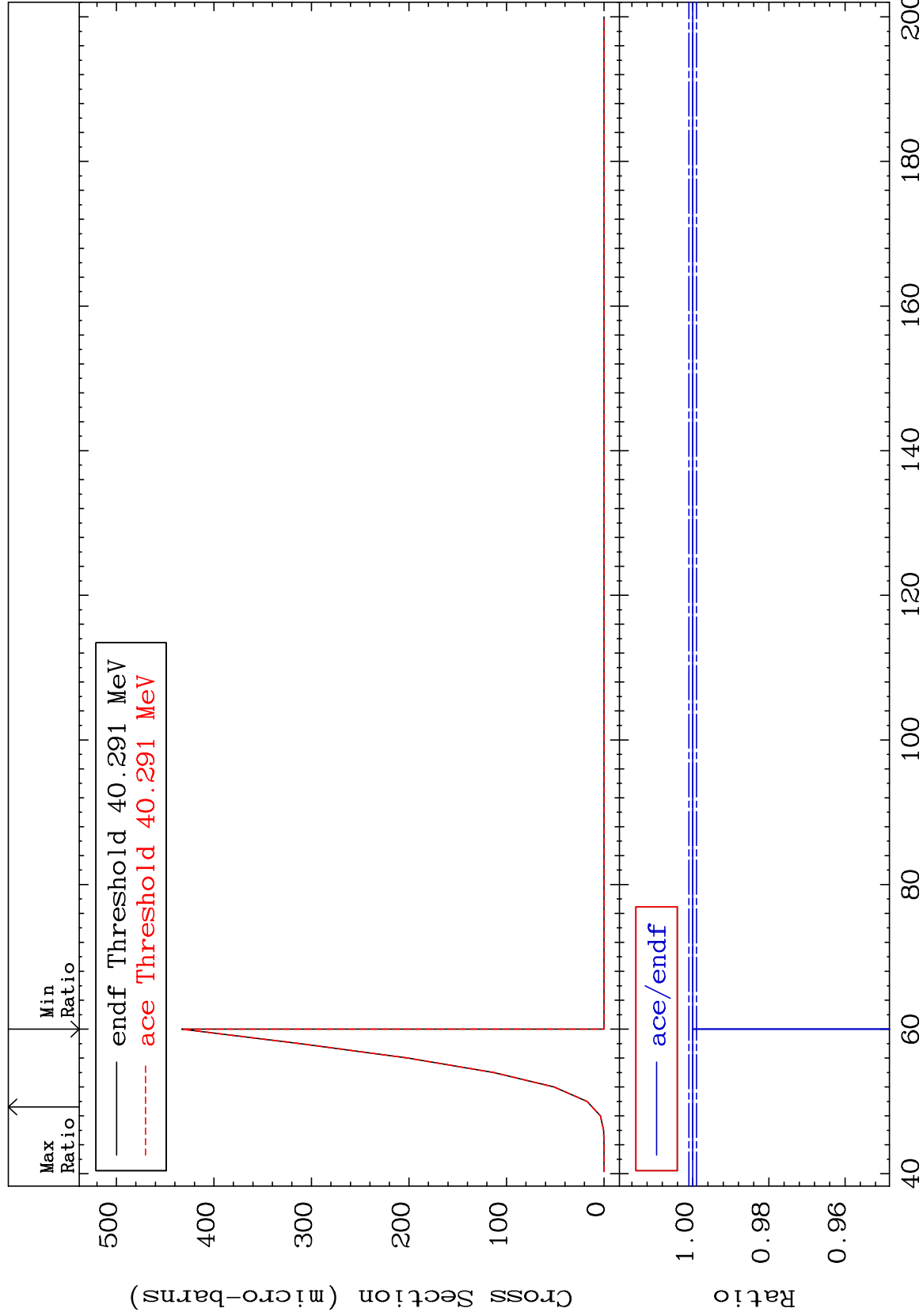
MAT 831

(n, 4n α)

8-0 -18

Cross Section

-100.0 To 0.000 %



76

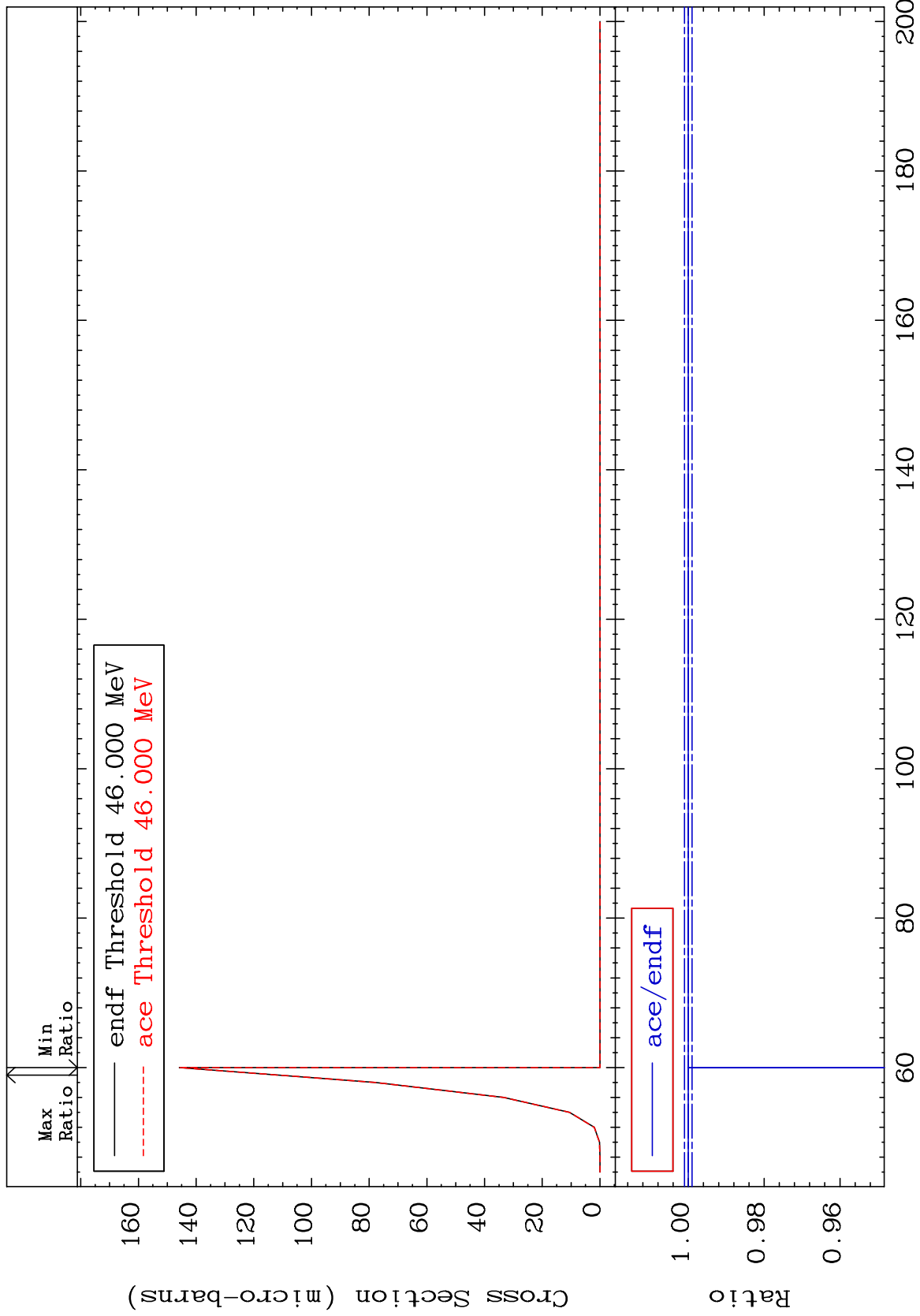
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 4nd)
Cross Section

8-0 -18
-100.0 To 0.000 %



77

Incident Energy (MeV)

8-0 -18

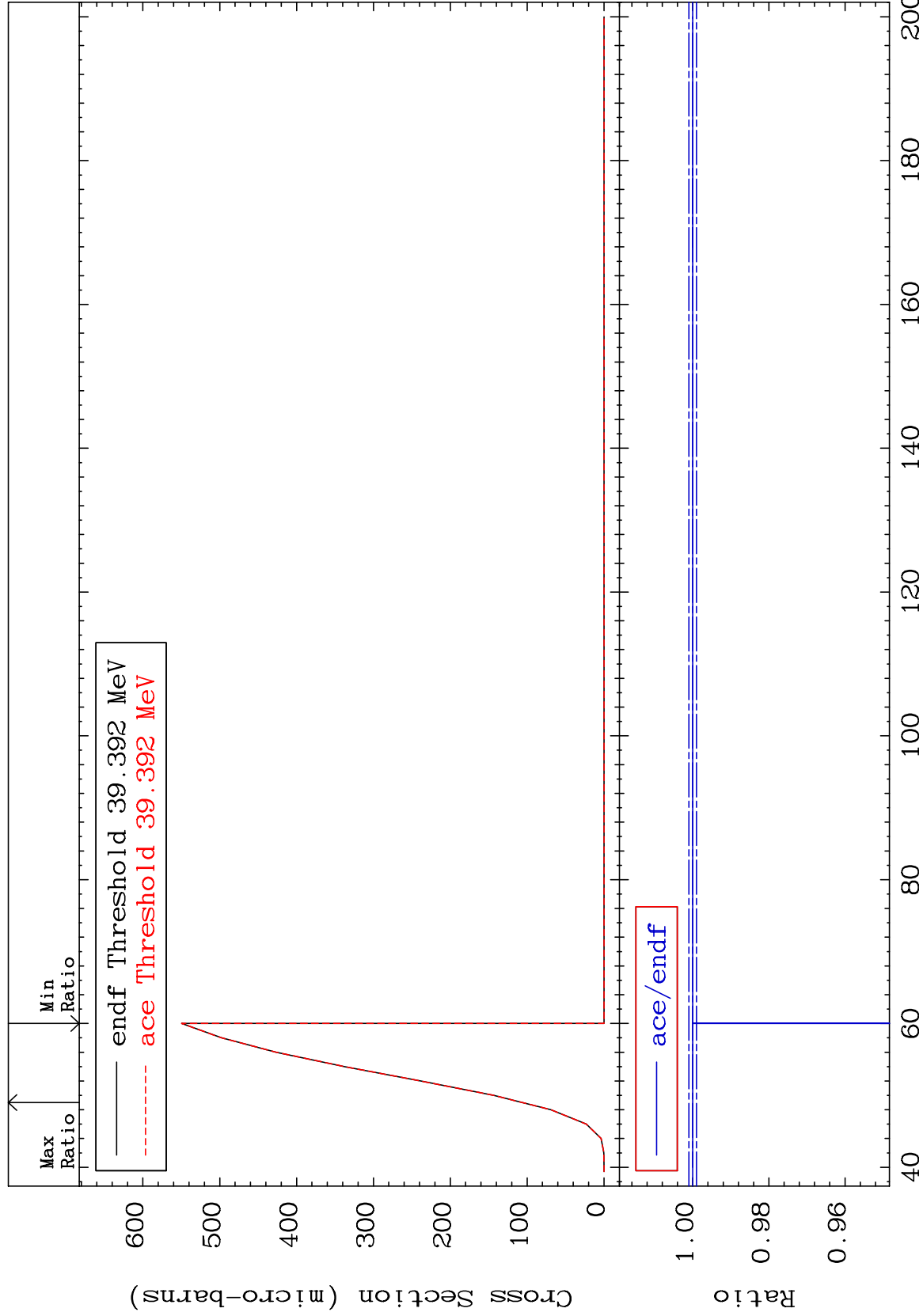
MAT 831

(n,3nt)

8-0 -18

Cross Section

-100.0 To 0.000 %



78

Incident Energy (MeV)

8-0 -18

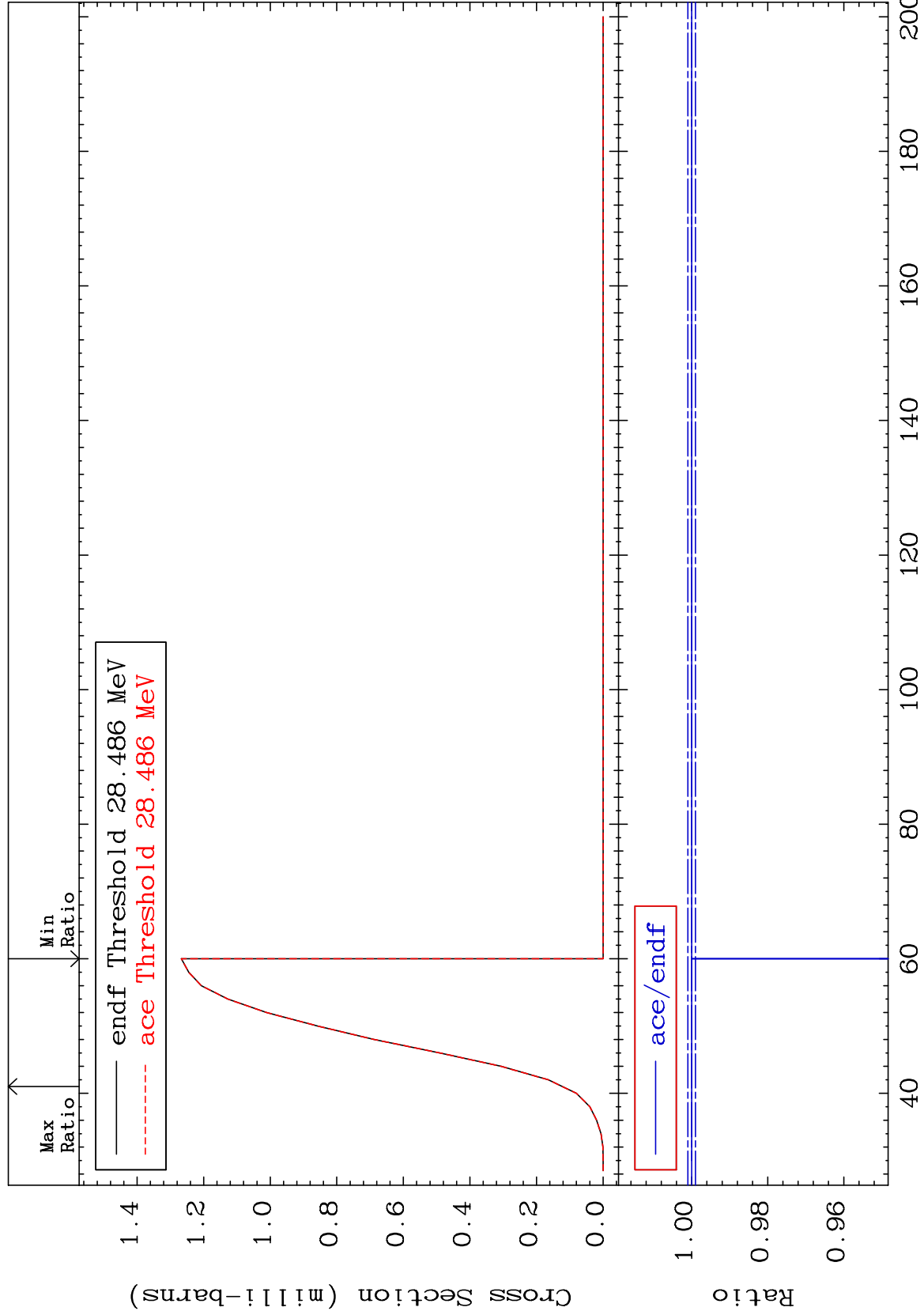
MAT 831

(n,2nh)

8-0 -18

Cross Section

-100.0 To 0.000 %



79

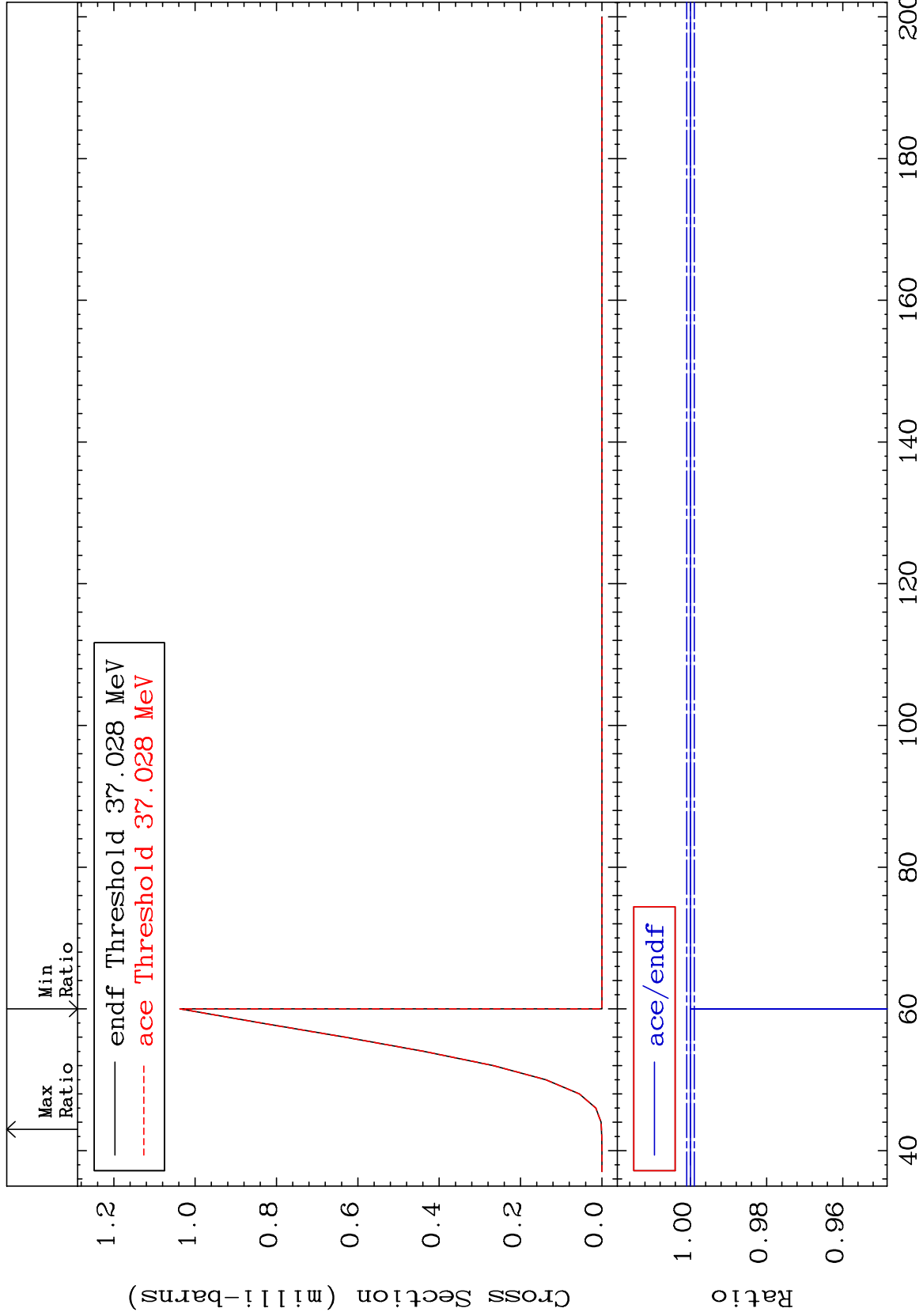
Incident Energy (MeV)

8-0 -18

MAT 831

(n,3nh)
Cross Section

8-0 -18
-100.0 To 0.000 %



80

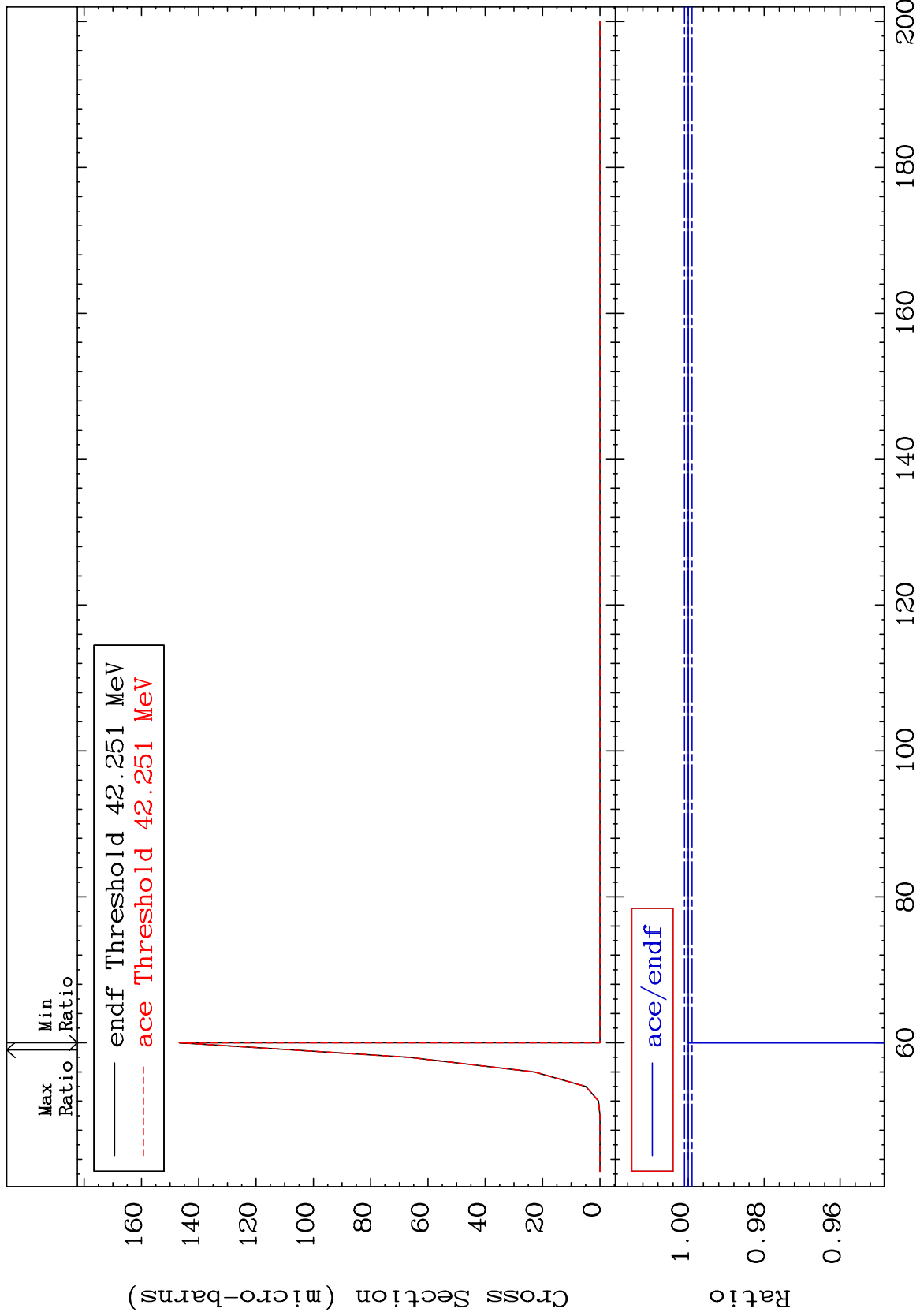
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 4nh)
Cross Section

8-0 -18
-100.0 To 0.000 %



81

Incident Energy (MeV)

8-0 -18

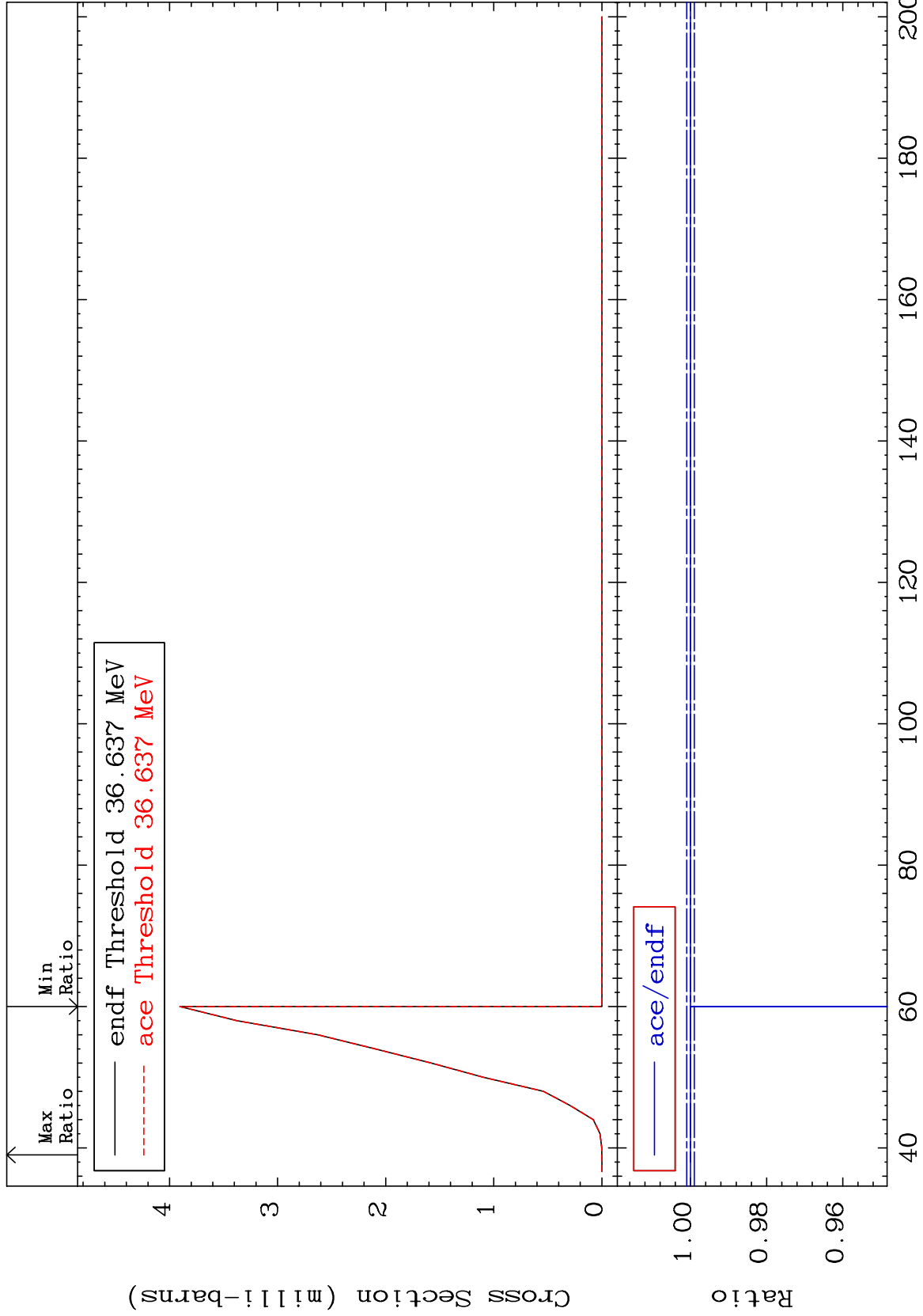
MAT 831

(n, 3n2p)

8-0 -18

Cross Section

-100.0 To 0.000 %



82

Incident Energy (MeV)

8-0 -18

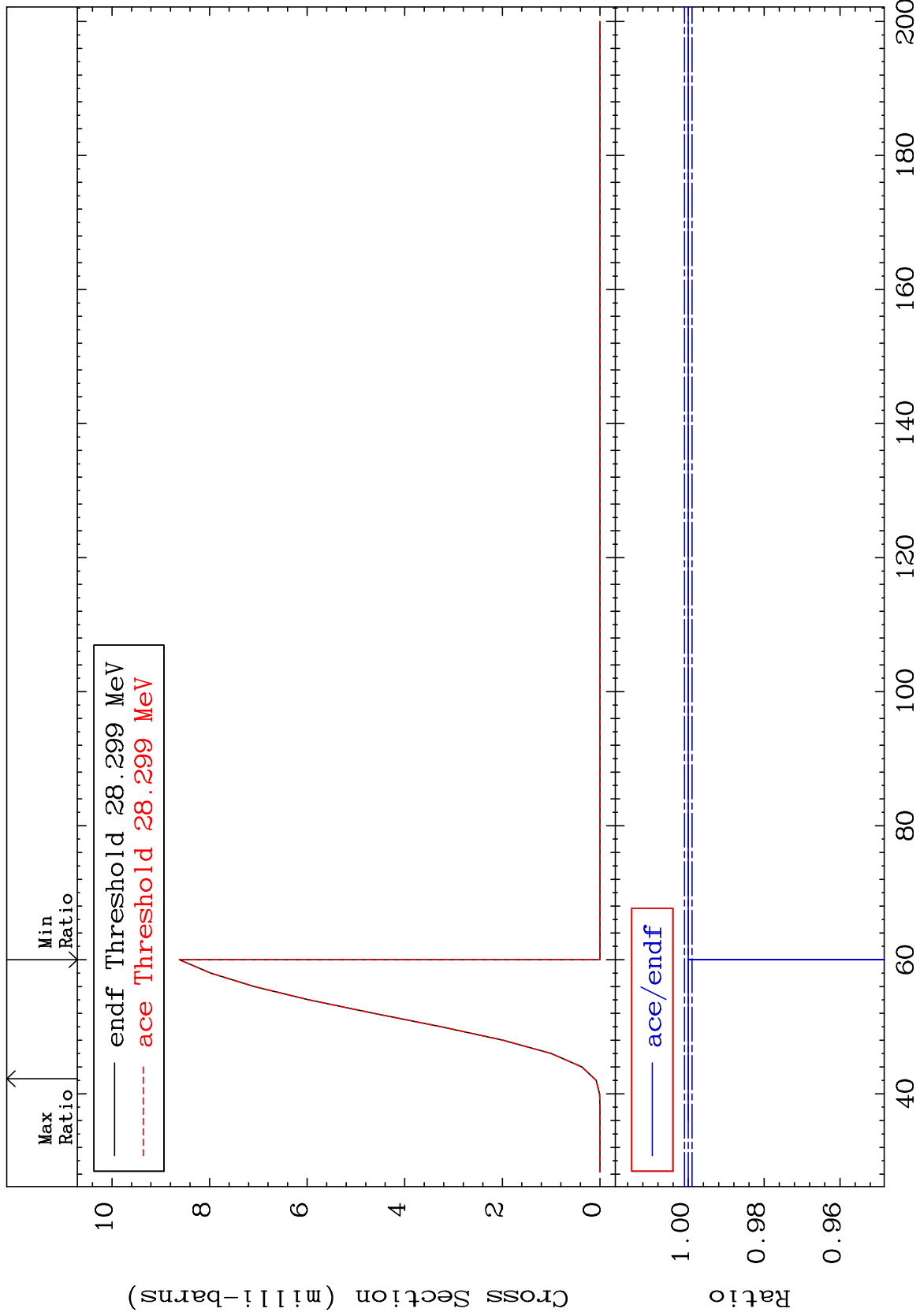
MAT 831

(n, 3n2α)

8-0 -18

Cross Section

-100.0 To 0.000 %



83

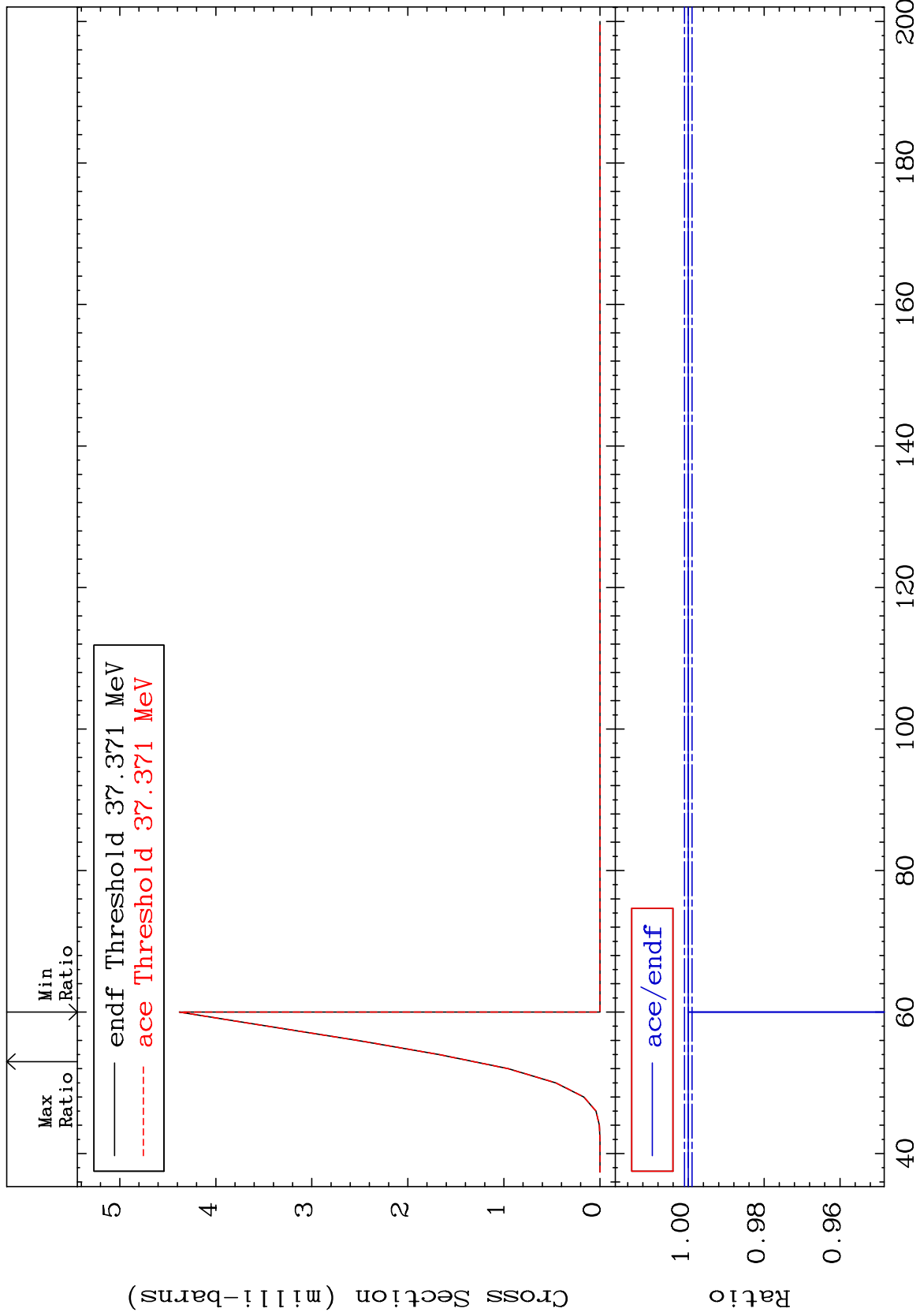
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 3np α)
Cross Section

8-0 -18
-100.0 To 0.000 %



84

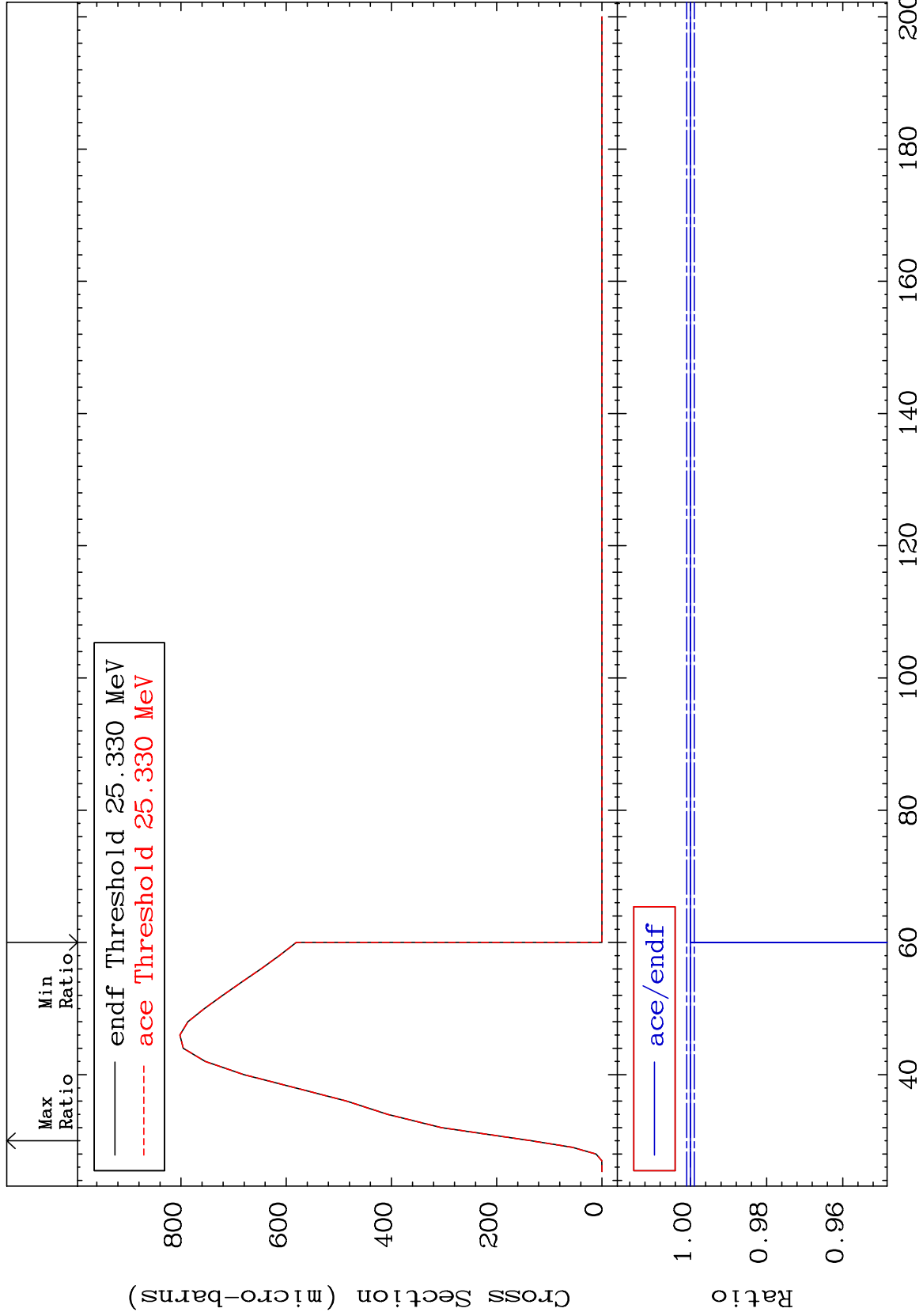
Incident Energy (MeV)

8-0 -18

MAT 831

(n, dt)
Cross Section

8-0 -18
-100.0 To 0.000 %



85

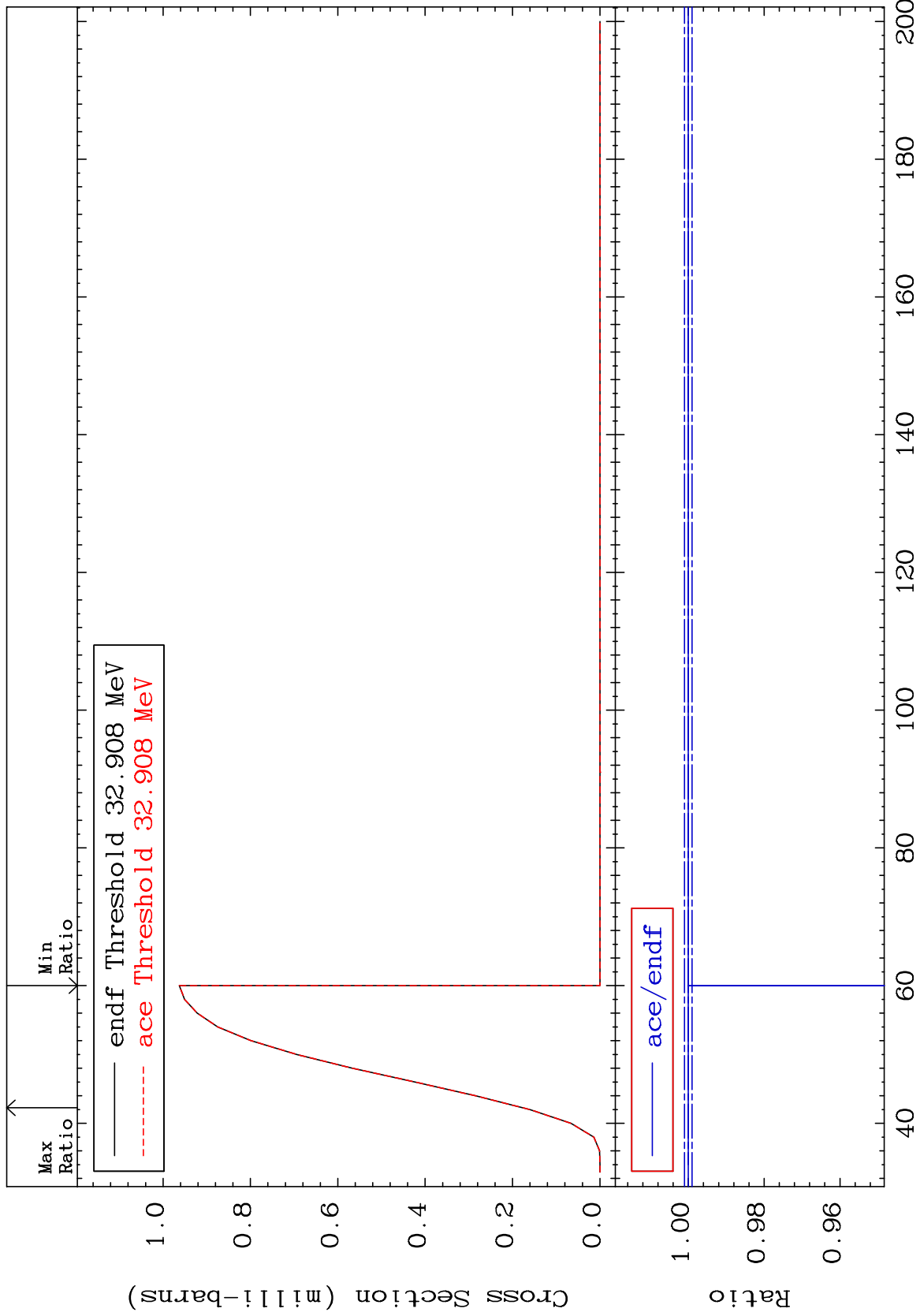
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n'pd)
Cross Section

8-0 -18
-100.0 To 0.000 %



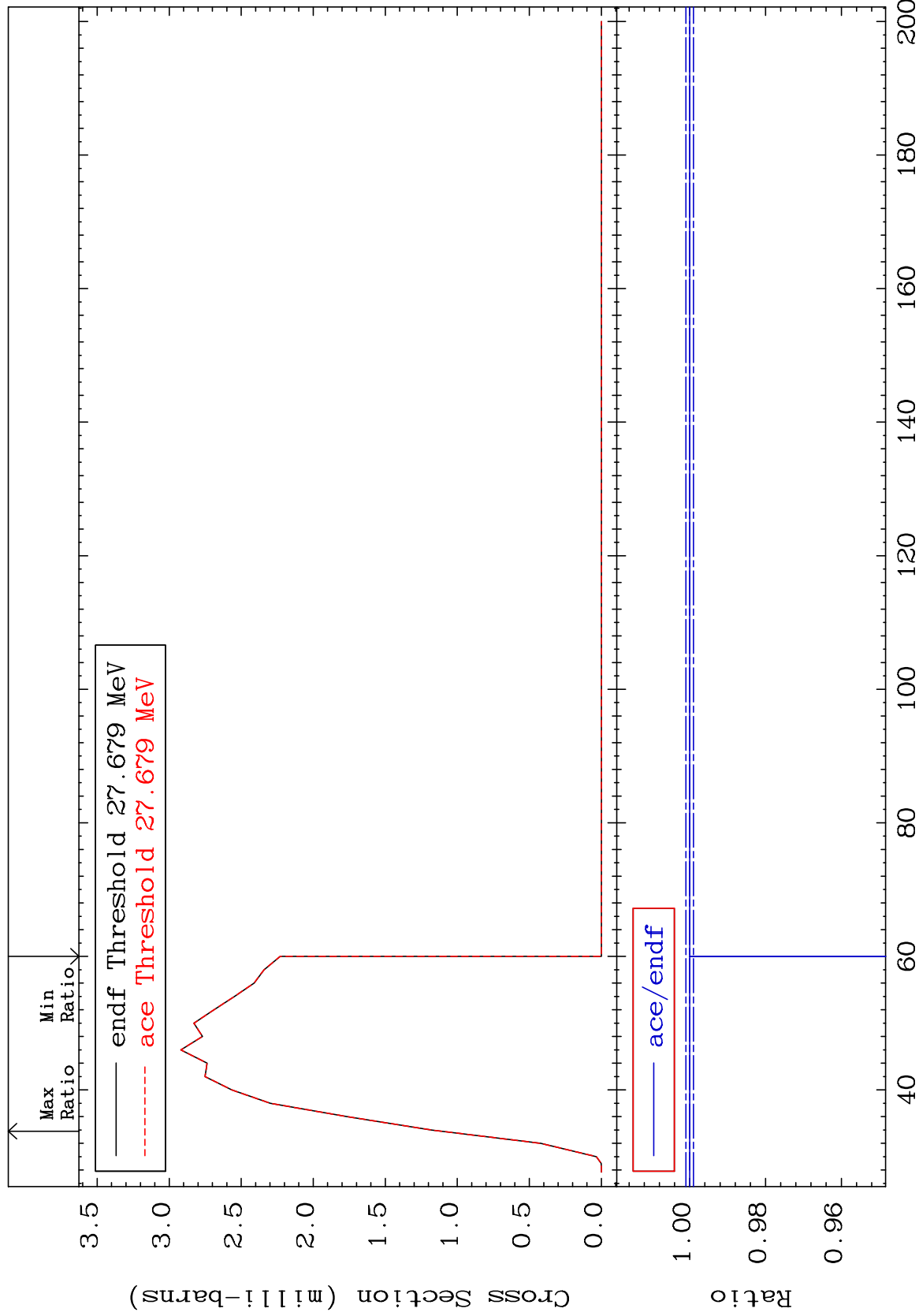
MAT 831

(n, n'pt)

8-0 -18

Cross Section

-100.0 To 0.000 %



87

Incident Energy (MeV)

8-0 -18

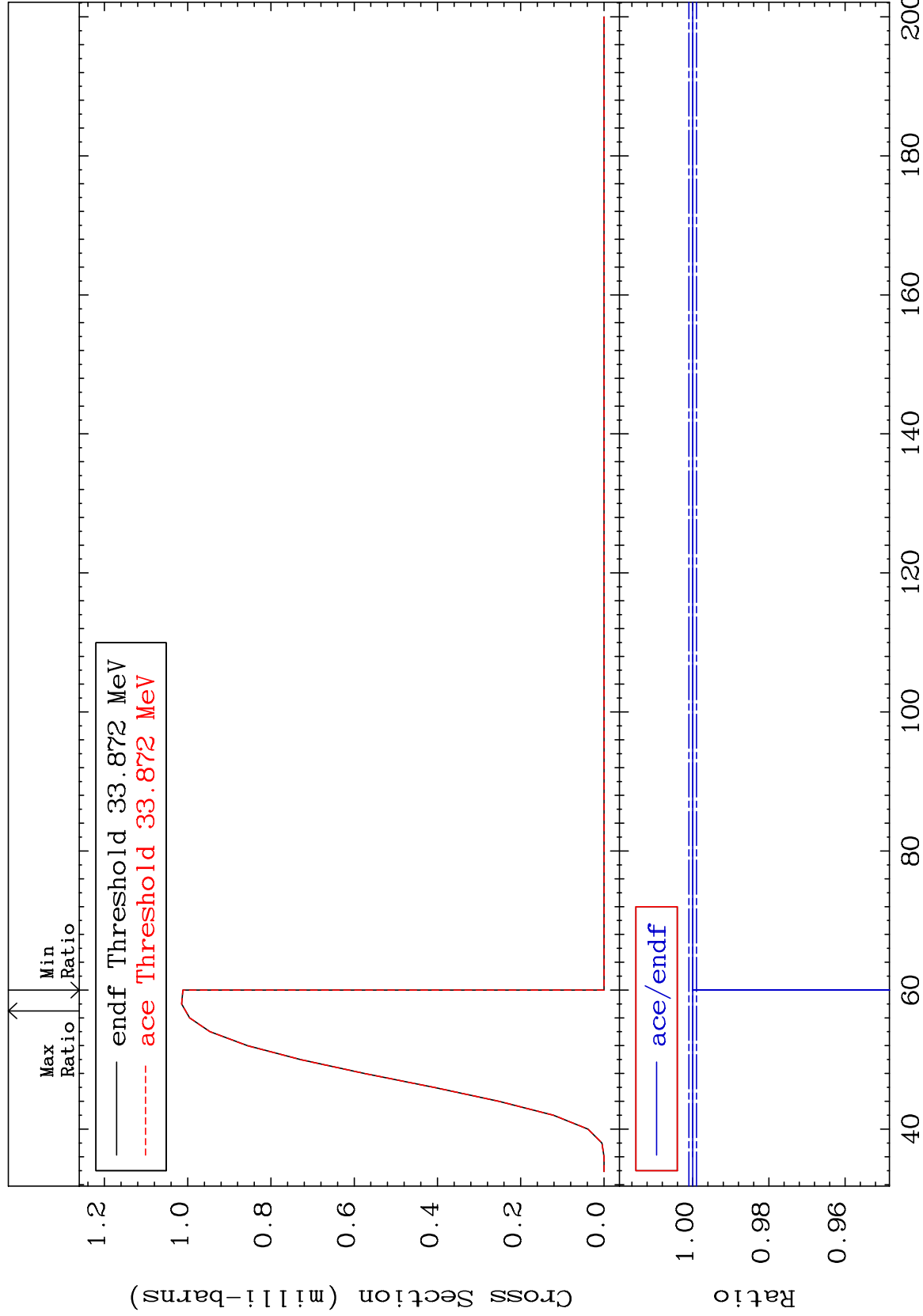
MAT 831

(n, n' dt)

8-0 -18

Cross Section

-100.0 To 0.000 %



88

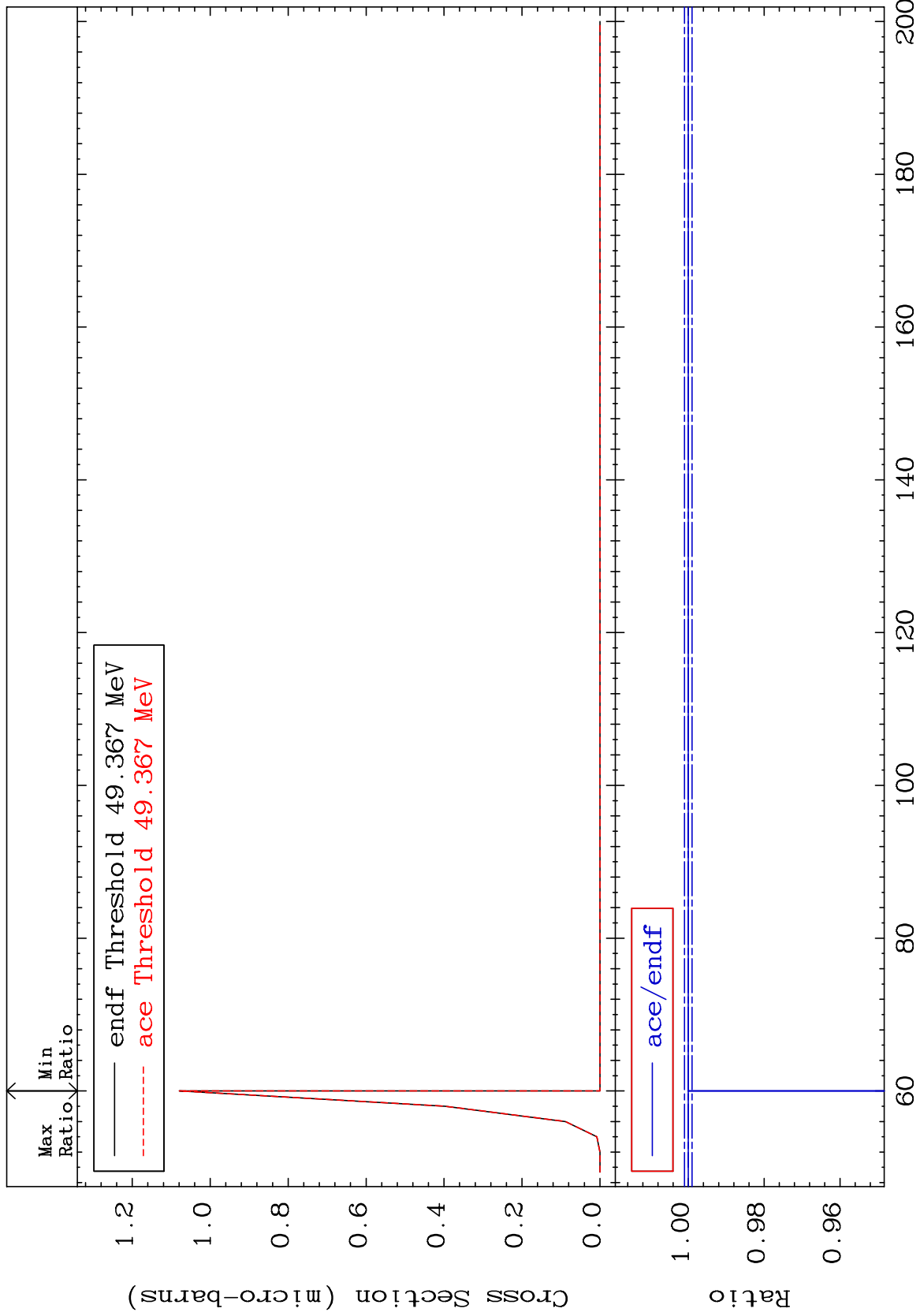
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n'ph)
Cross Section

8-0 -18
-100.0 To 0.000 %



89

Incident Energy (MeV)

8-0 -18

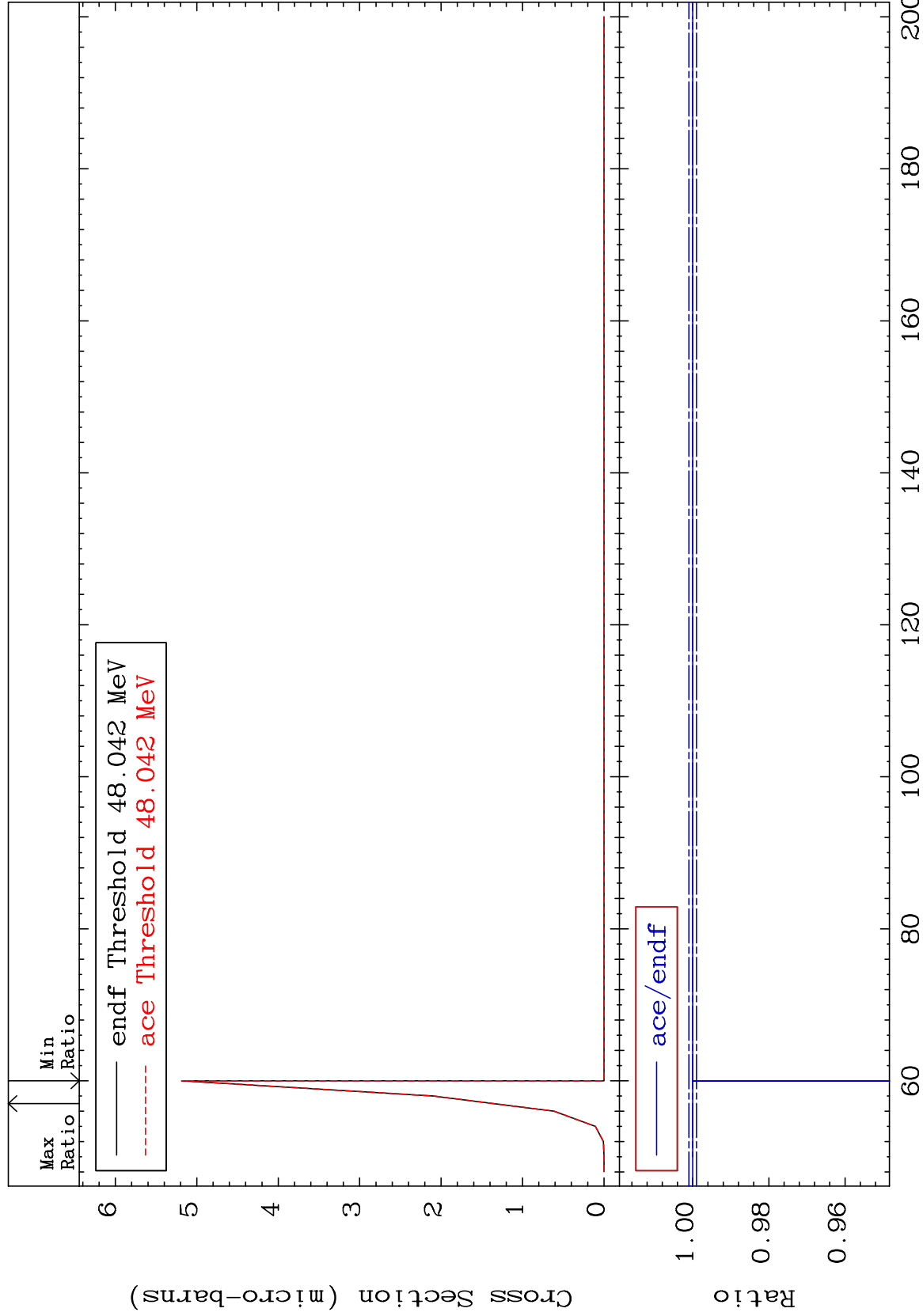
MAT 831

(n, n' dh)

8-0 -18

Cross Section

-100.0 To 0.000 %



90

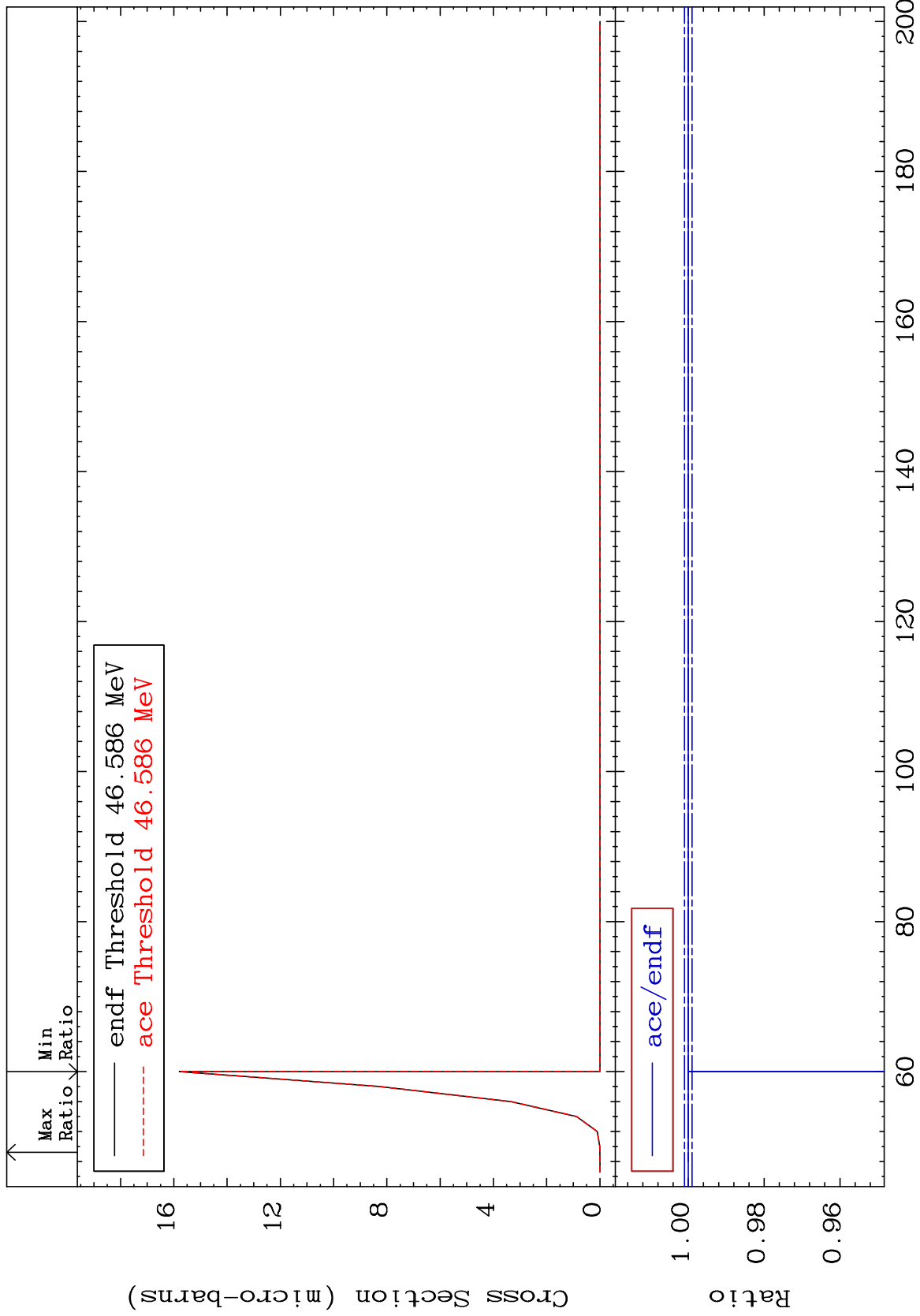
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n'th)
Cross Section

8-0 -18
-100.0 To 0.000 %



91

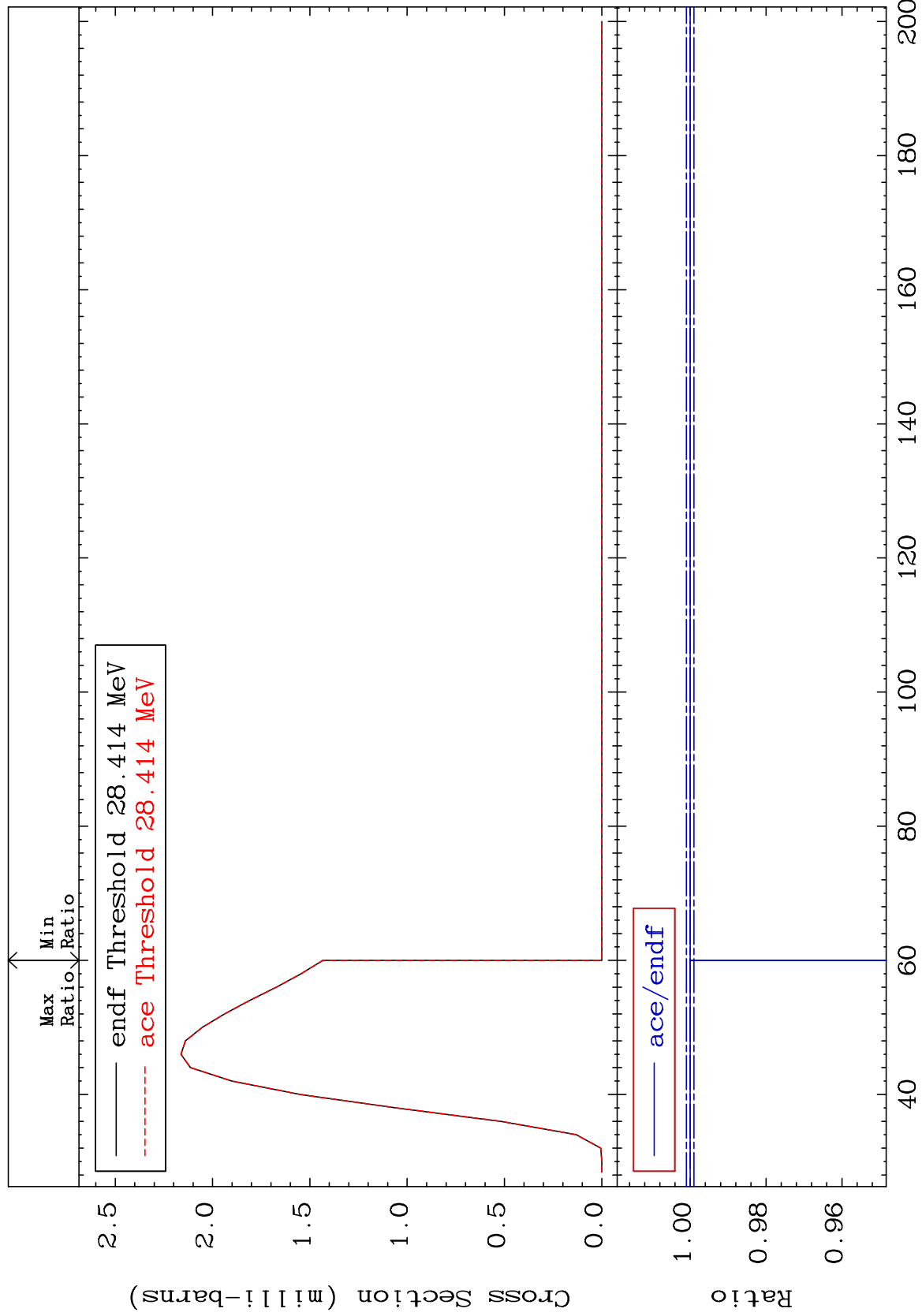
Incident Energy (MeV)

8-0 -18

MAT 831

(n, n'α)
Cross Section

8-0 -18
-100.0 To 0.000 %



92

8-0 -18

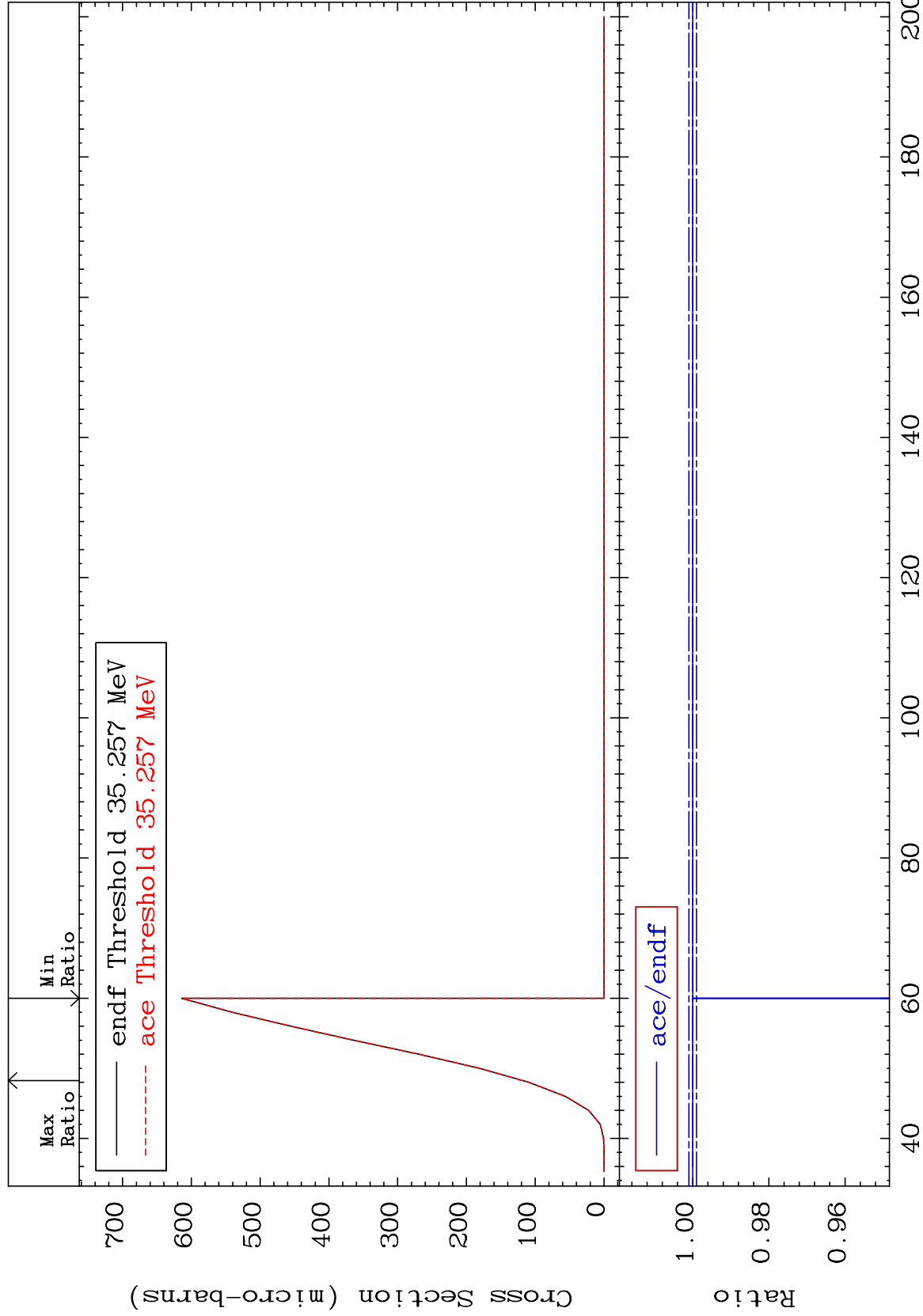
MAT 831

(n, 2n2p)

8-0 -18

Cross Section

-100.0 To 0.000 %



93

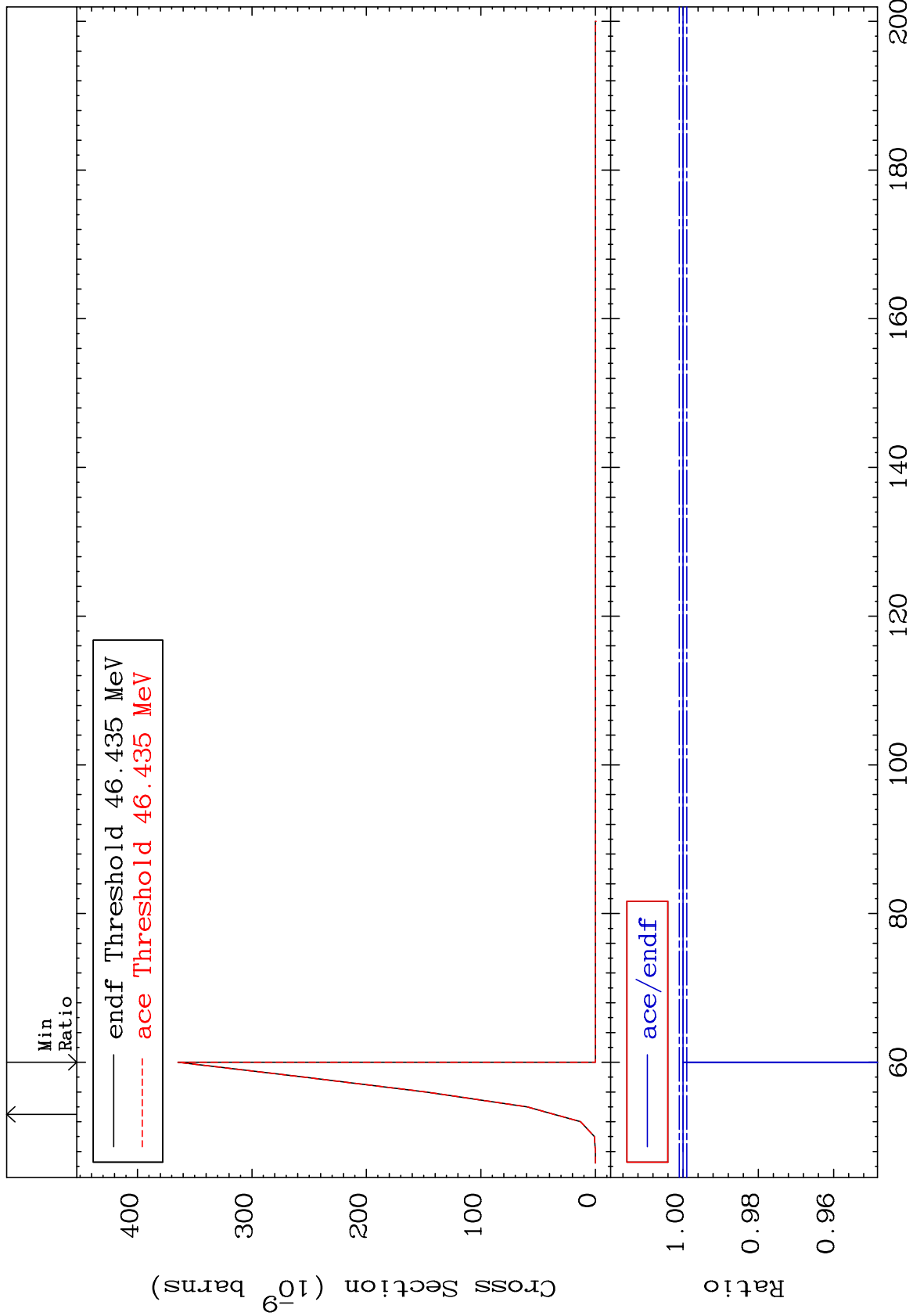
Incident Energy (MeV)

8-0 -18

MAT 831

(n,ph)
Cross Section

8-0 -18
-100.0 To 0.000 %



94

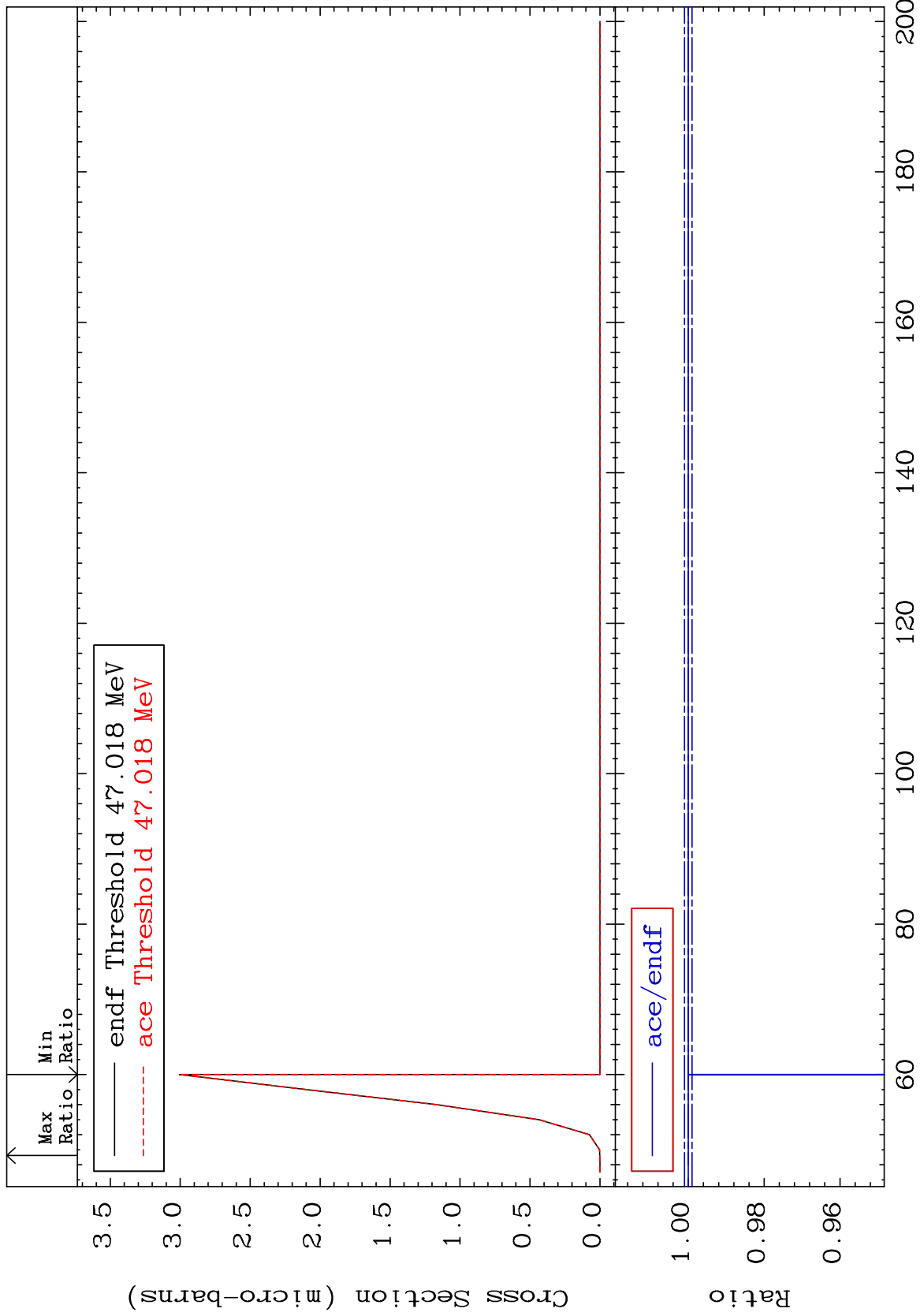
Incident Energy (MeV)

8-0 -18

MAT 831

(n, dh)
Cross Section

8-0 -18
-100.0 To 0.000 %



95

Incident Energy (MeV)

8-0 -18

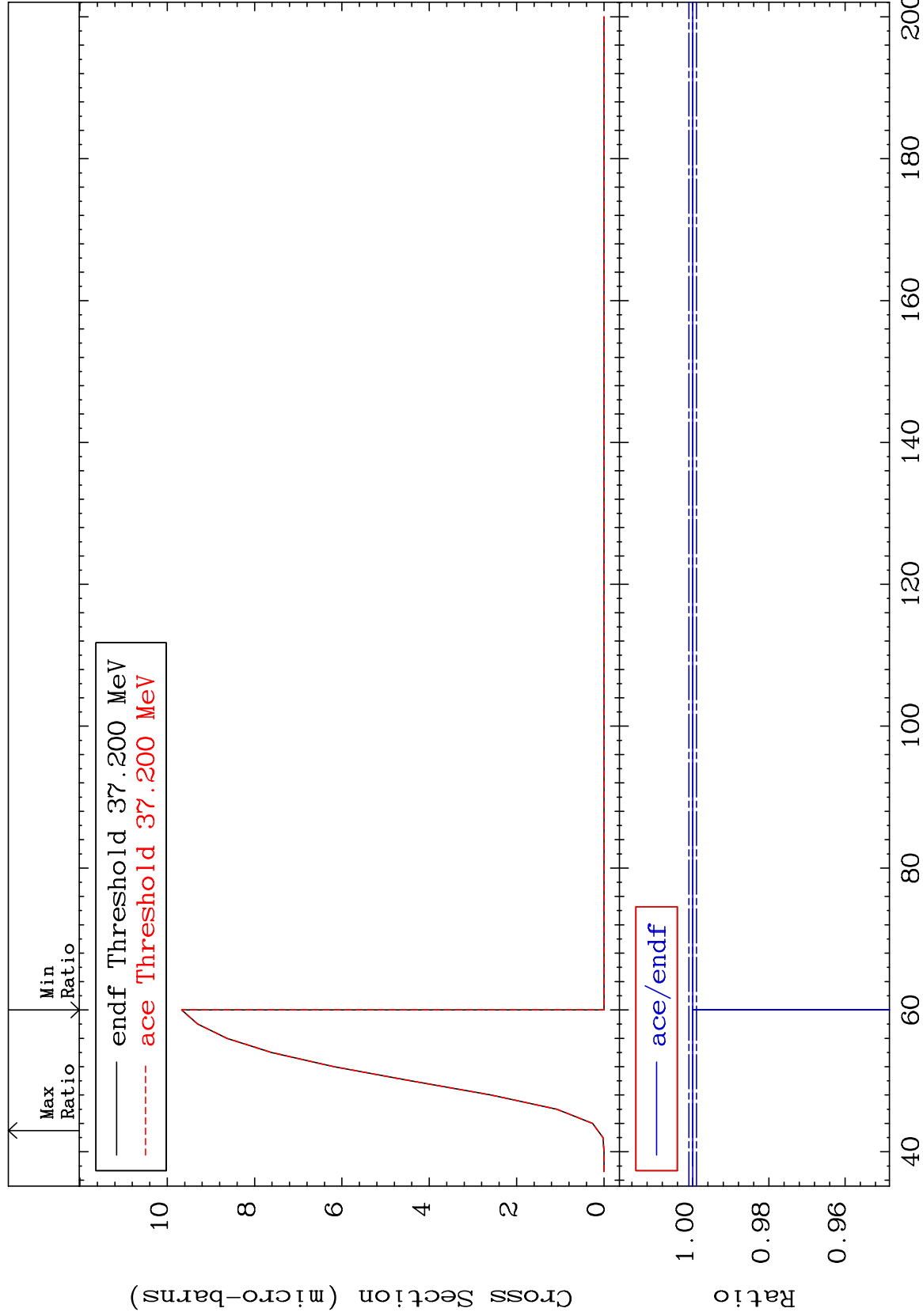
MAT 831

(n, h α)

8-0 -18

Cross Section

-100.0 To 0.000 %



96

Incident Energy (MeV)

8-0 -18

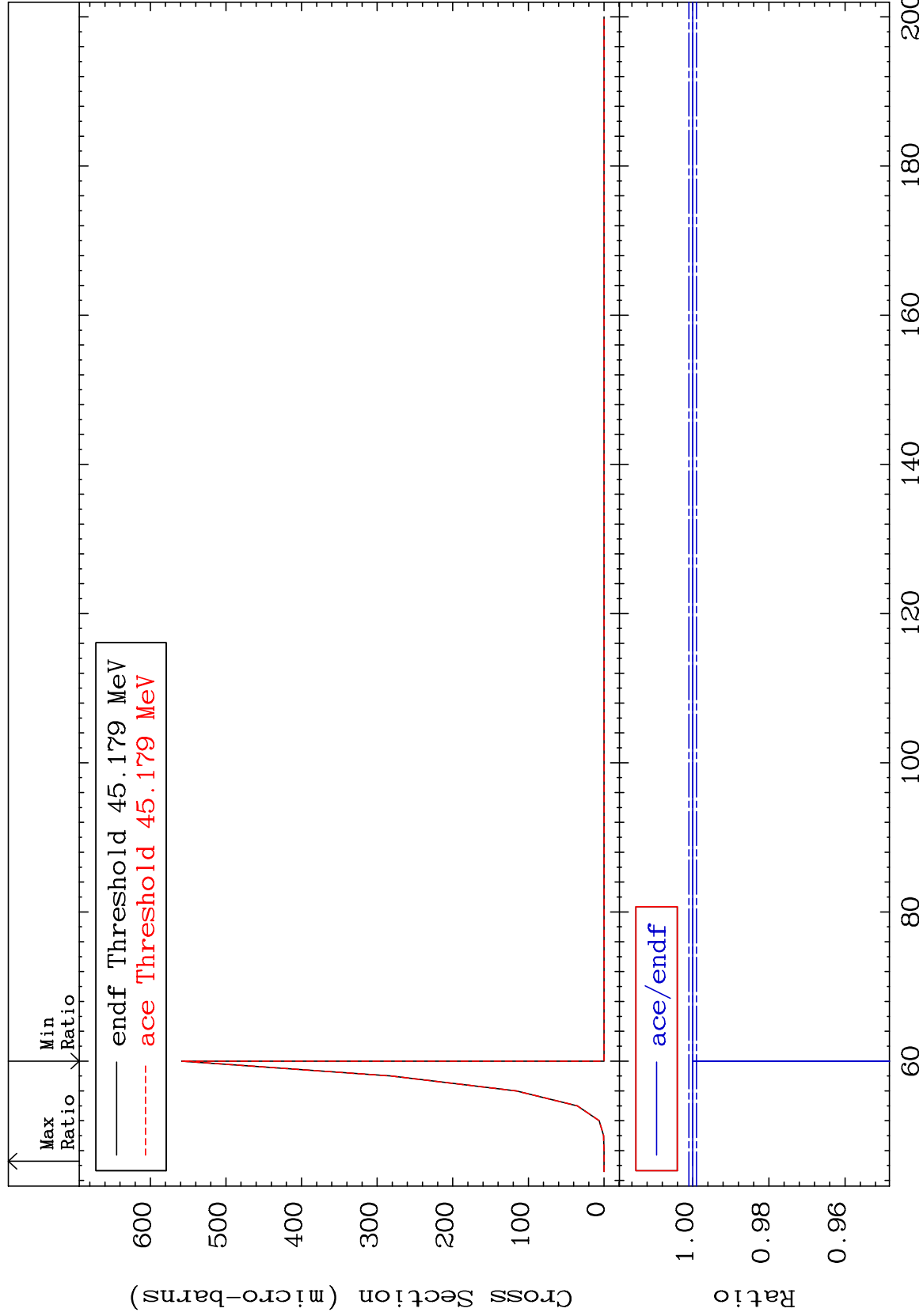
MAT 831

(n, 4n2p)

8-0 -18

Cross Section

-100.0 To 0.000 %



97

Incident Energy (MeV)

8-0 -18

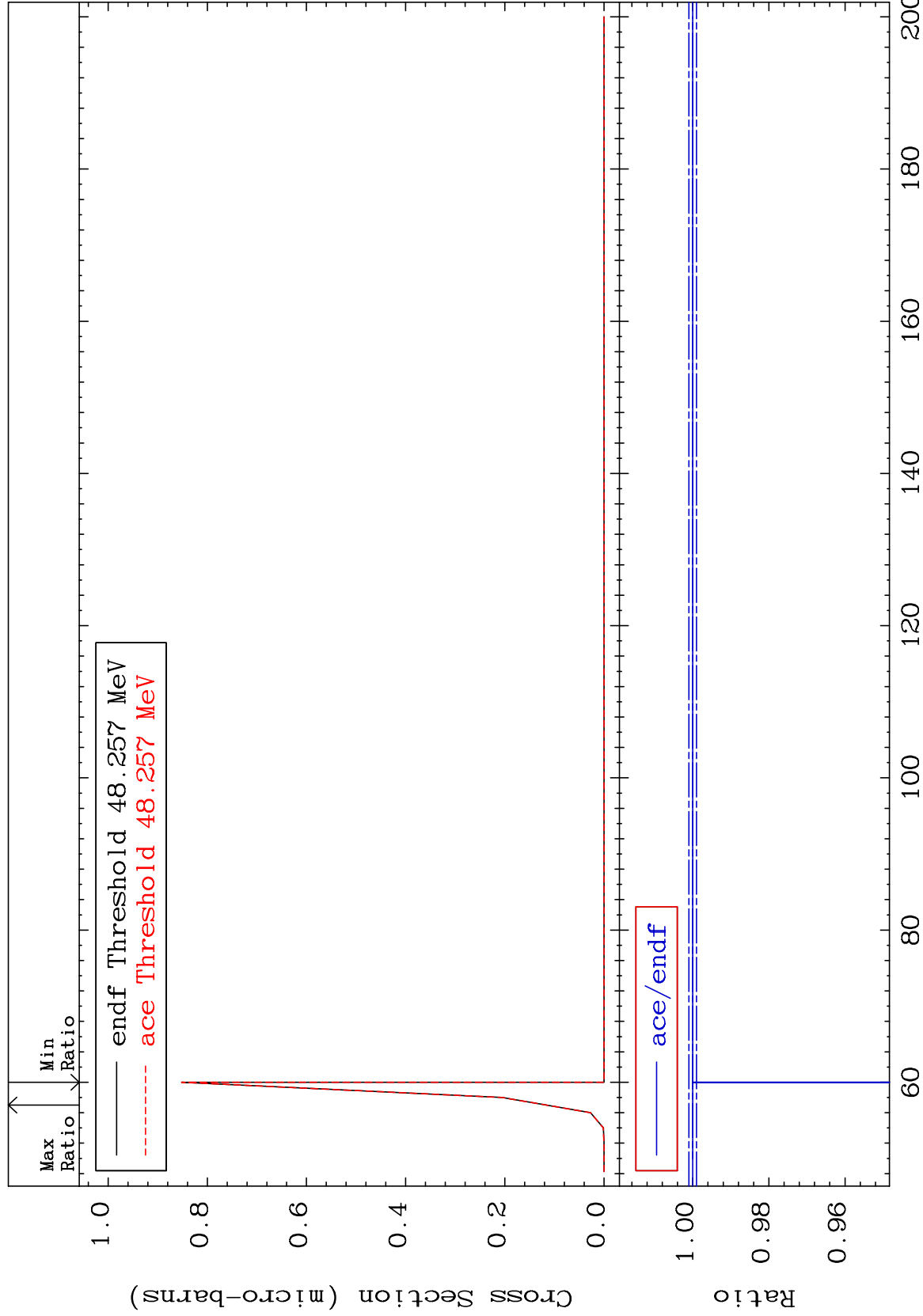
MAT 831

(n, 4n2α)

8-0 -18

Cross Section

-100.0 To 0.000 %



98

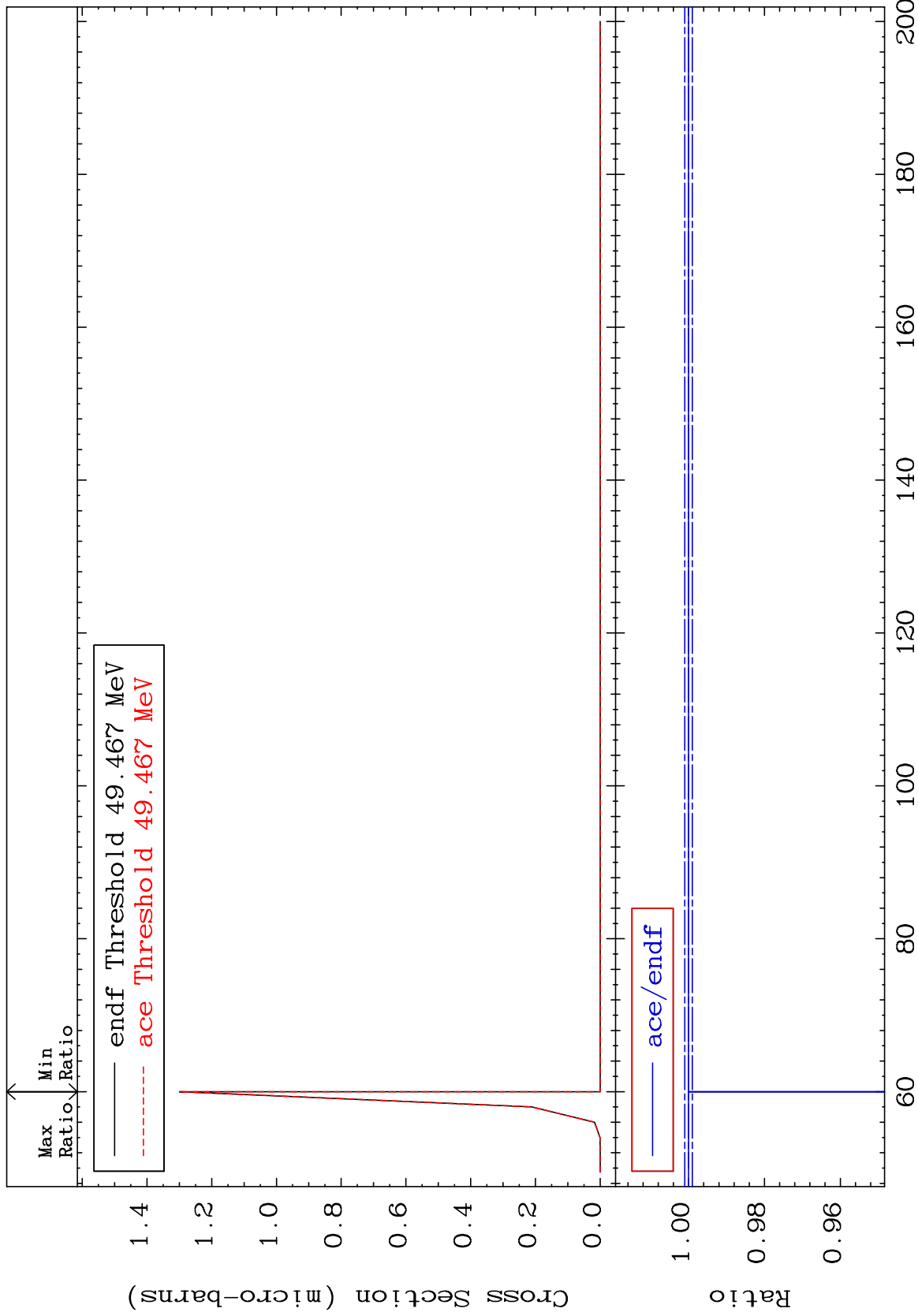
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 4npα)
Cross Section

8-0 -18
-100.0 To 0.000 %



99

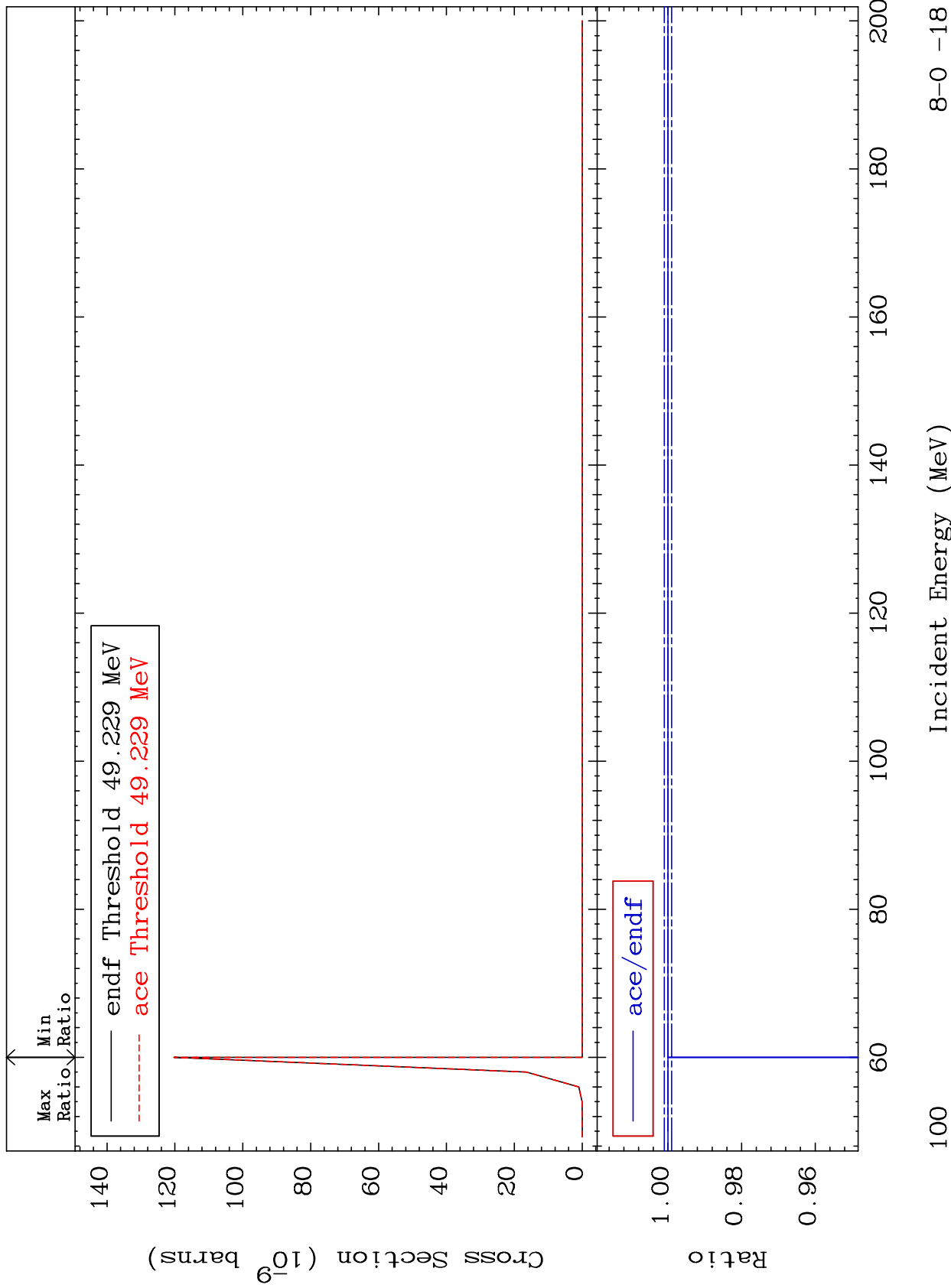
Incident Energy (MeV)

8-0 -18

MAT 831

(n,3n2pα)
Cross Section

8-0 -18
-100.0 To 0.000 %



100

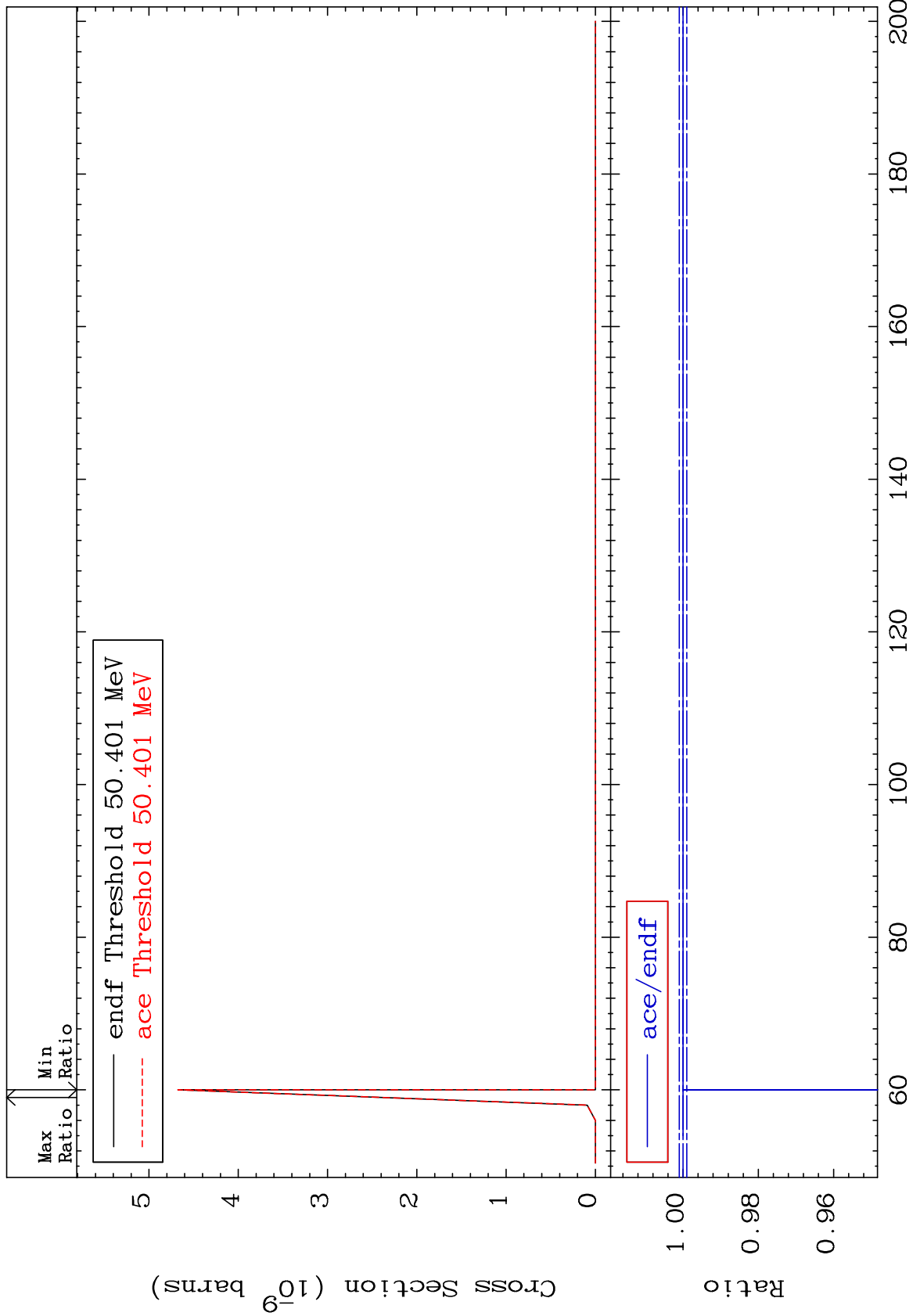
Incident Energy (MeV)

8-0 -18

MAT 831

(n, 5n2p)
Cross Section

8-0 -18
-100.0 To 0.000 %



Max Ratio
Min Ratio

— endlf Threshold 50.401 MeV
- - - ace Threshold 50.401 MeV

— ace/endlf

101

Incident Energy (MeV)

8-0 -18