

Program Complot
(Version 2015-2)

by

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(Present Contact Information)

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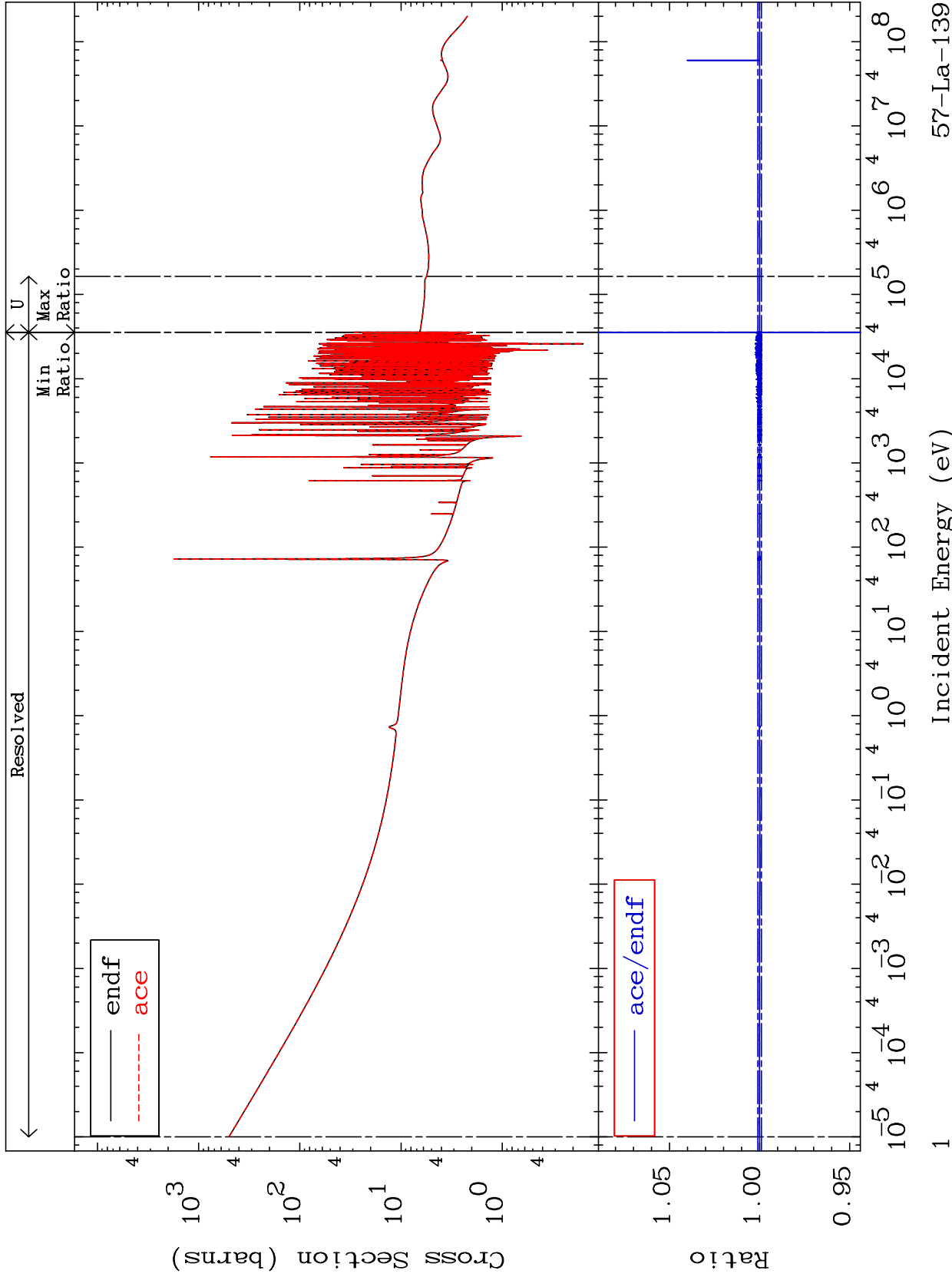
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5728

Total
Cross Section

57-La-139
-70.20 To 31.86 %

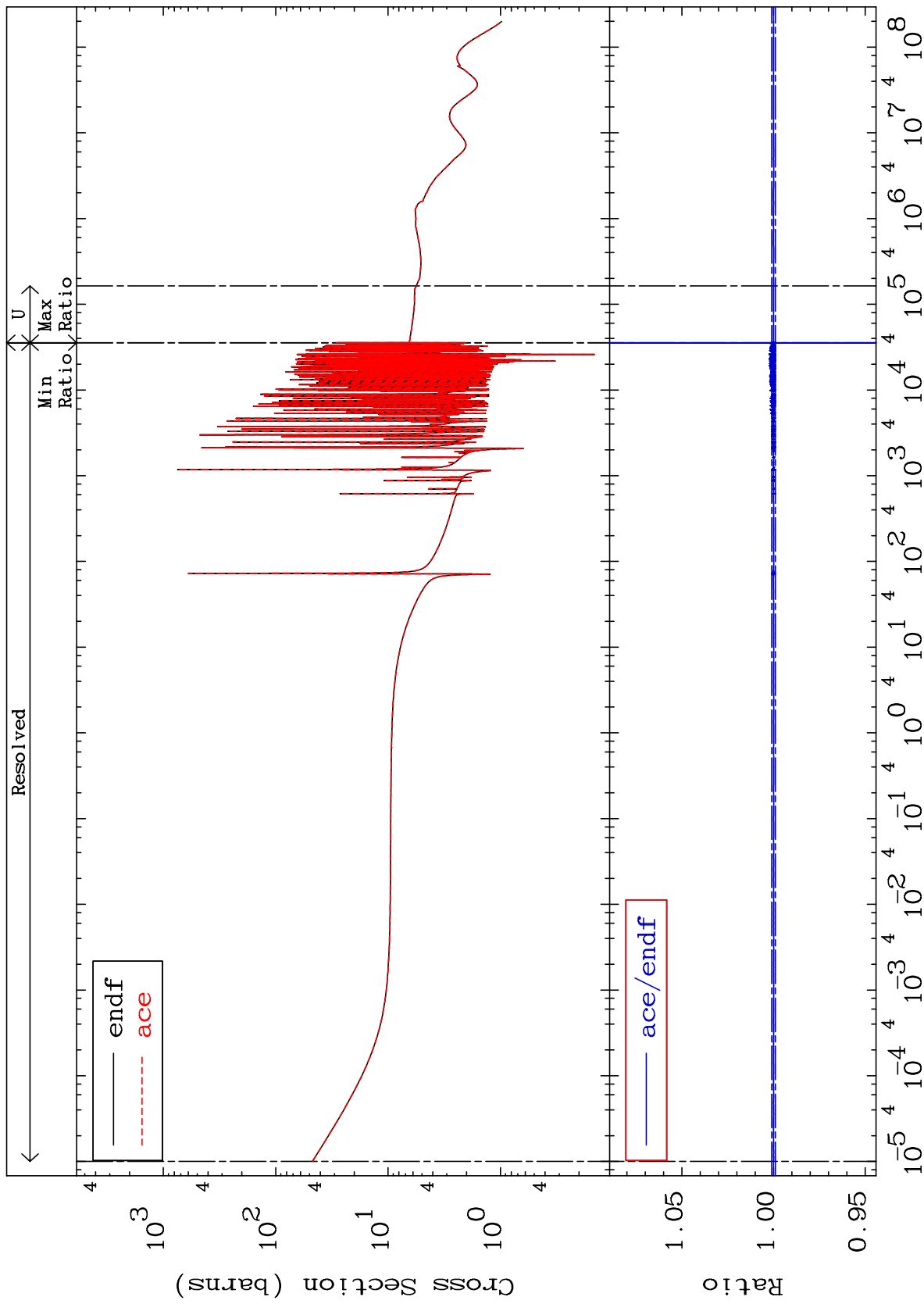


57-La-139

MAT 5728

Elastic
Cross Section

57-La-139
-70.08 To 31.15 %



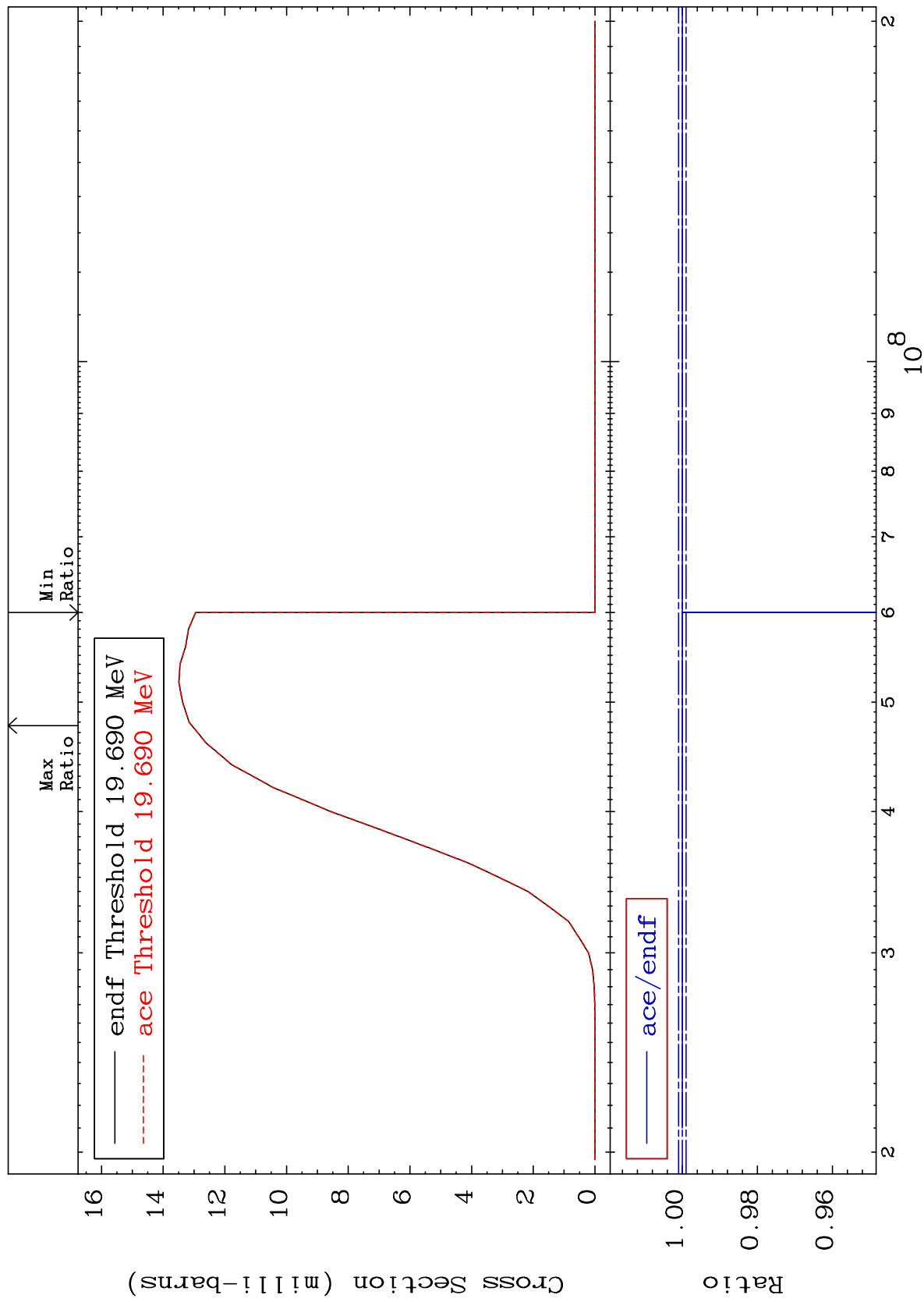
MAT 5728

(n,2n) d

57-La-139

Cross Section

-100.0 To 0.000 %



3

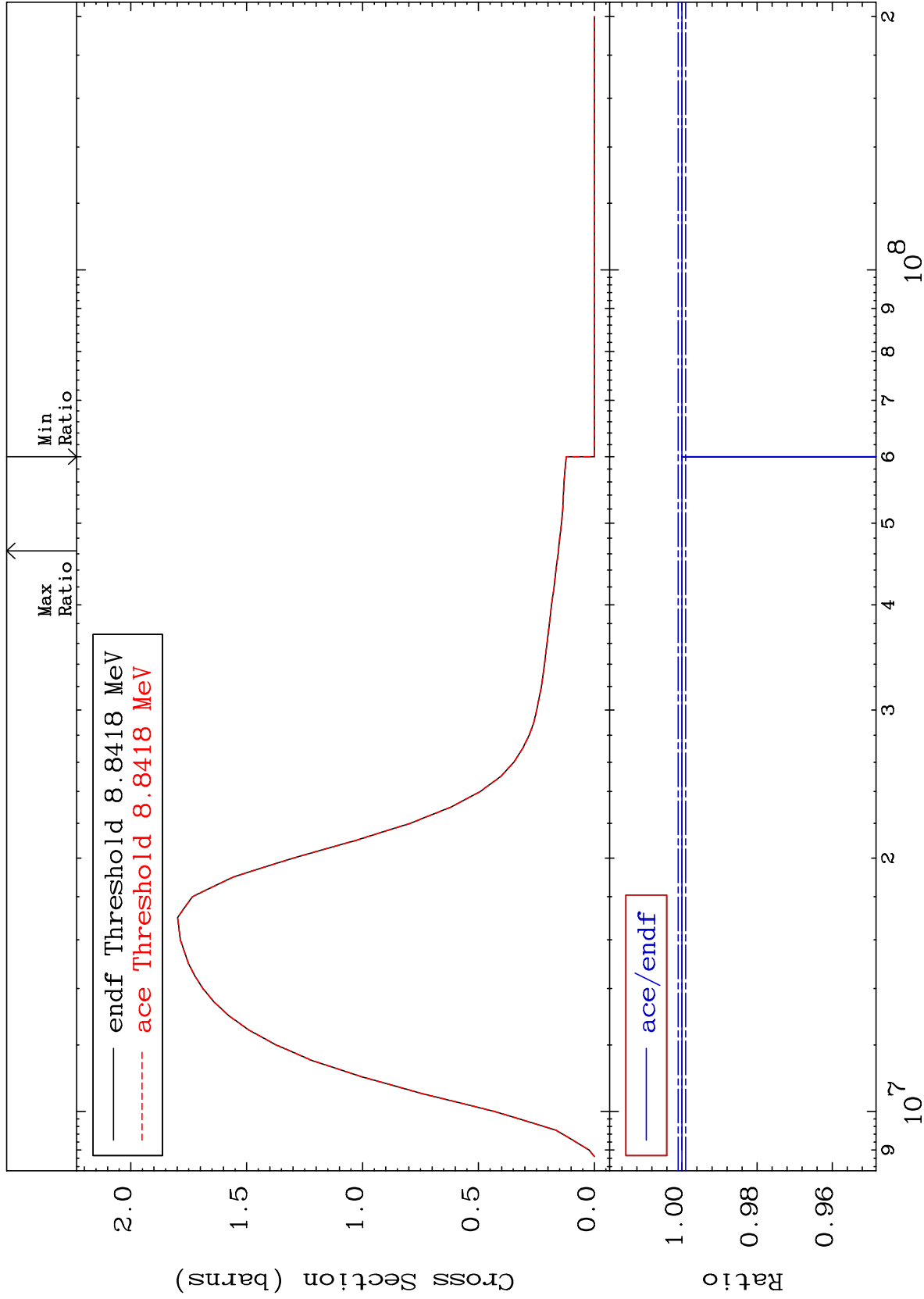
Incident Energy (eV)

57-La-139

MAT 5728

57-La-139

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



57-La-139

Incident Energy (eV)

4

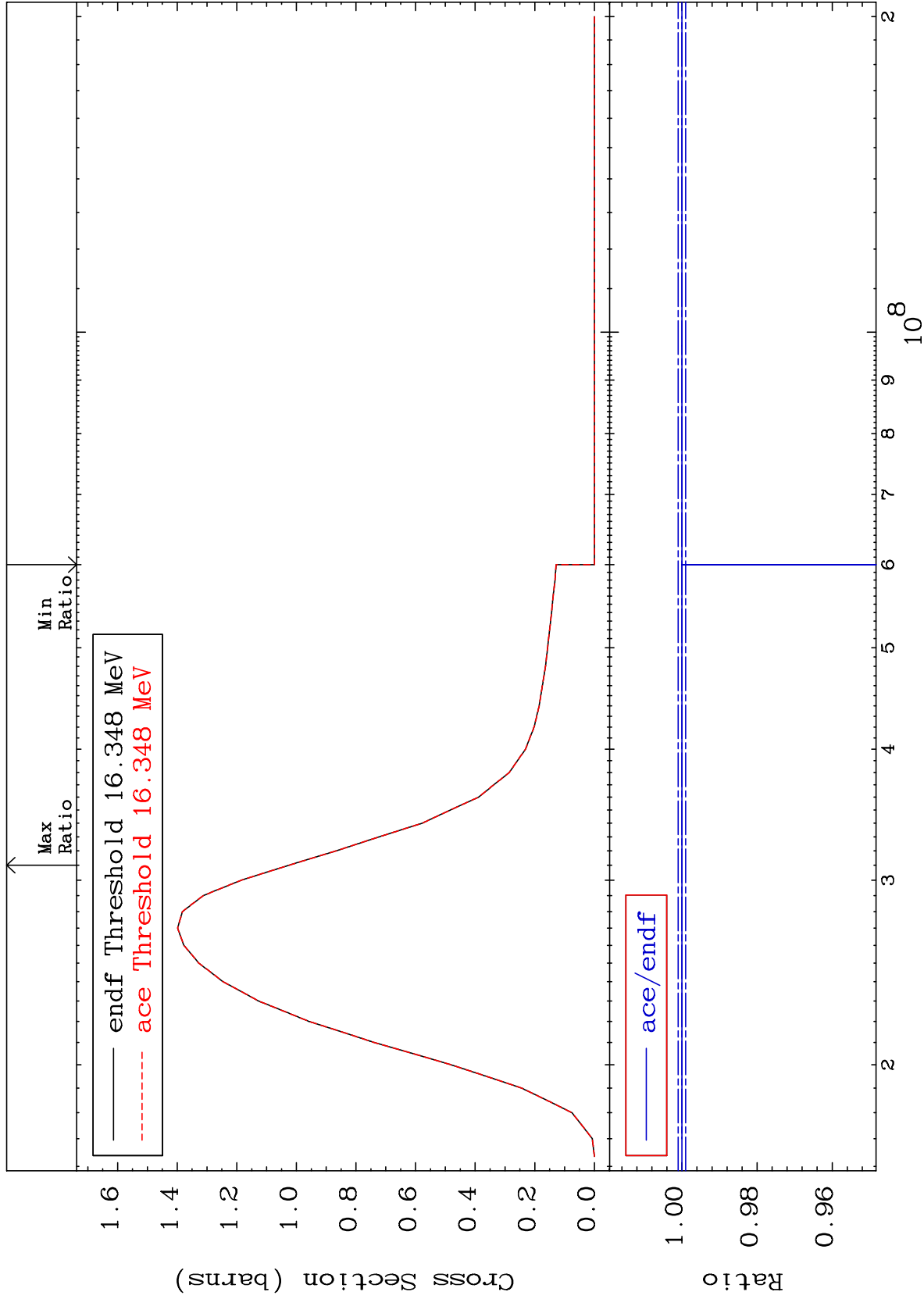
MAT 5728

(n, 3n)

57-La-139

Cross Section

-100.0 To 0.000 %



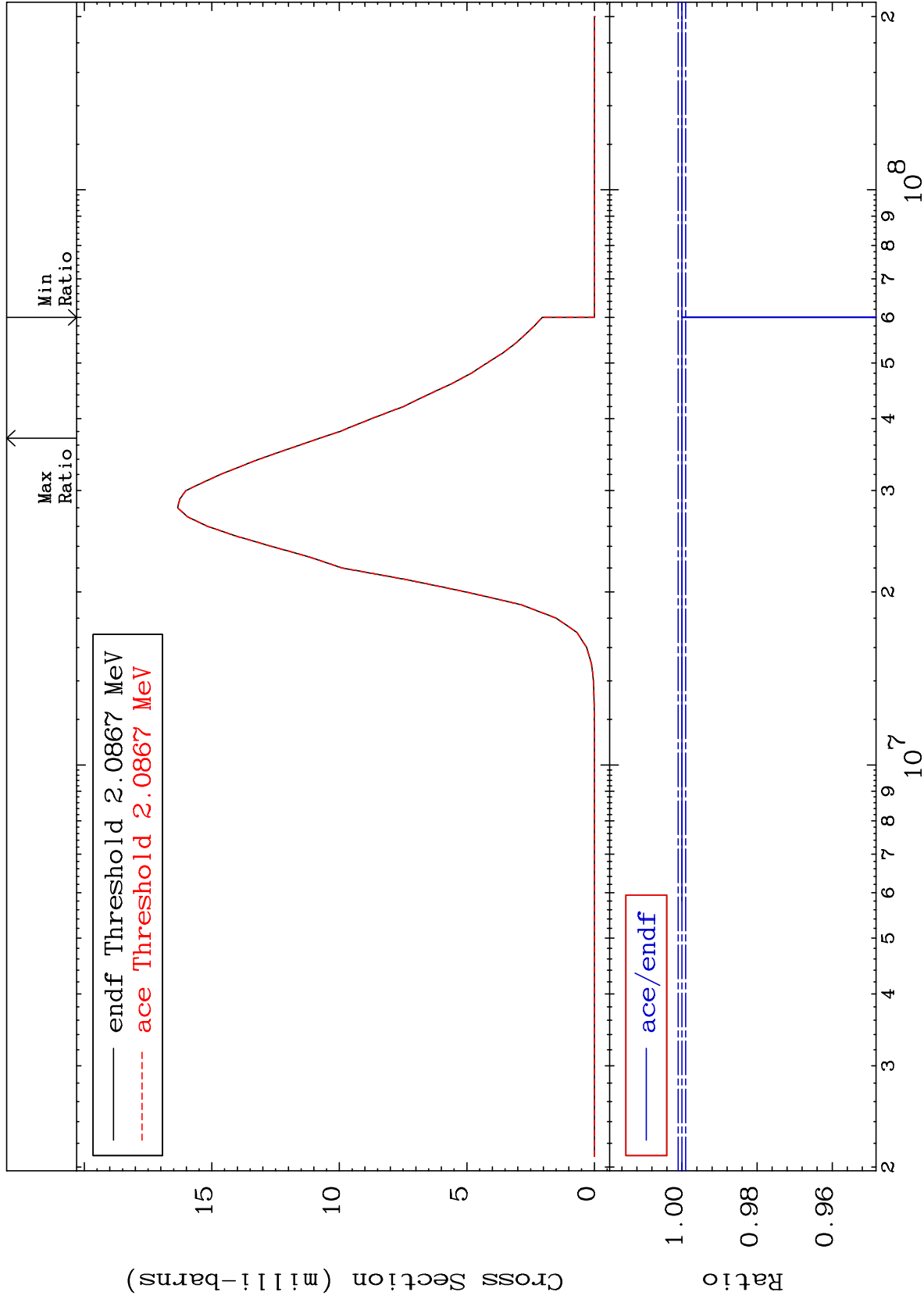
MAT 5728

(n, n') α

57-La-139

Cross Section

-100.0 To 0.000 %



6

Incident Energy (eV)

57-La-139

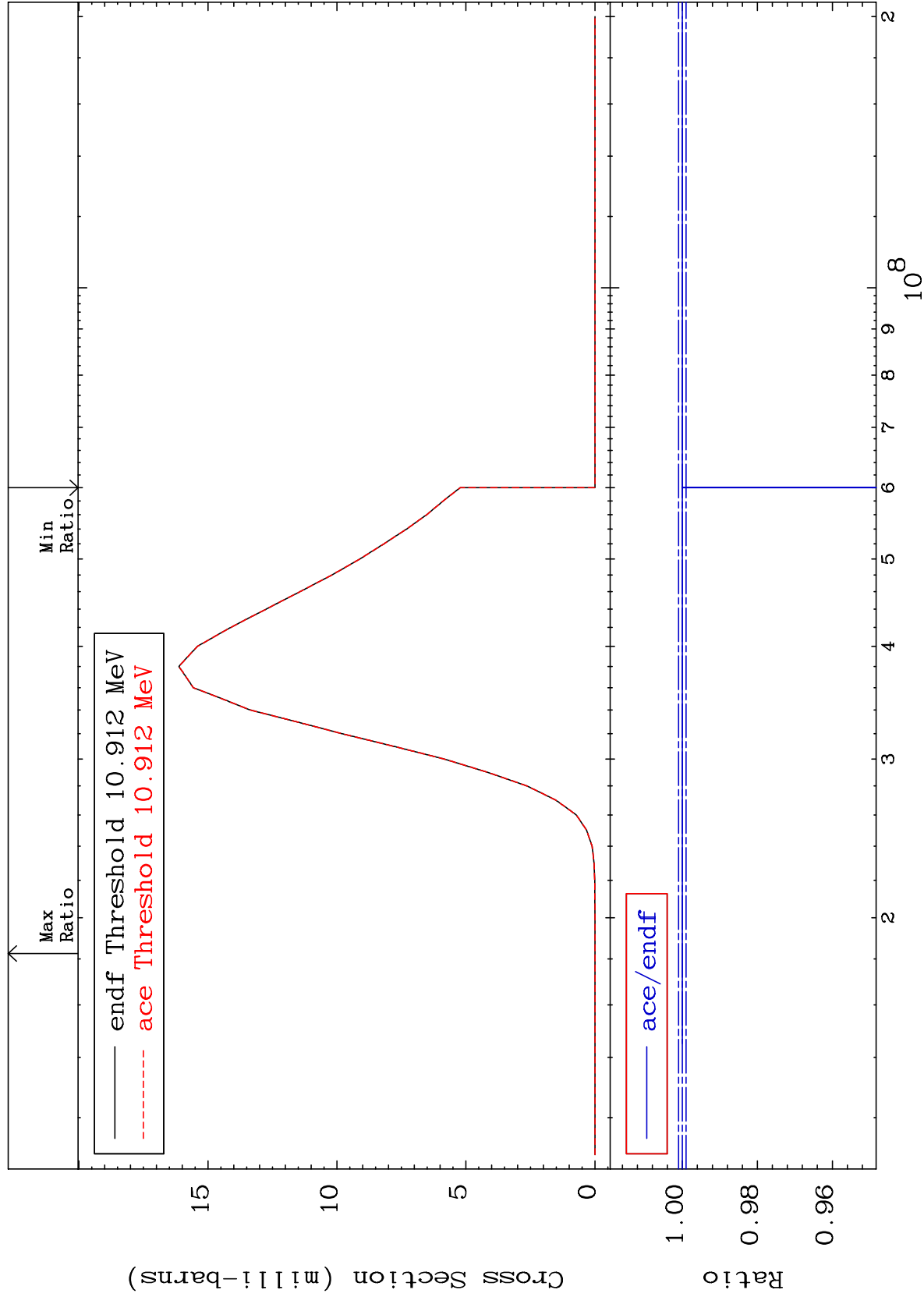
MAT 5728

(n,2n) α

57-La-139

Cross Section

-100.0 To 0.000 %



7

Incident Energy (eV)

57-La-139

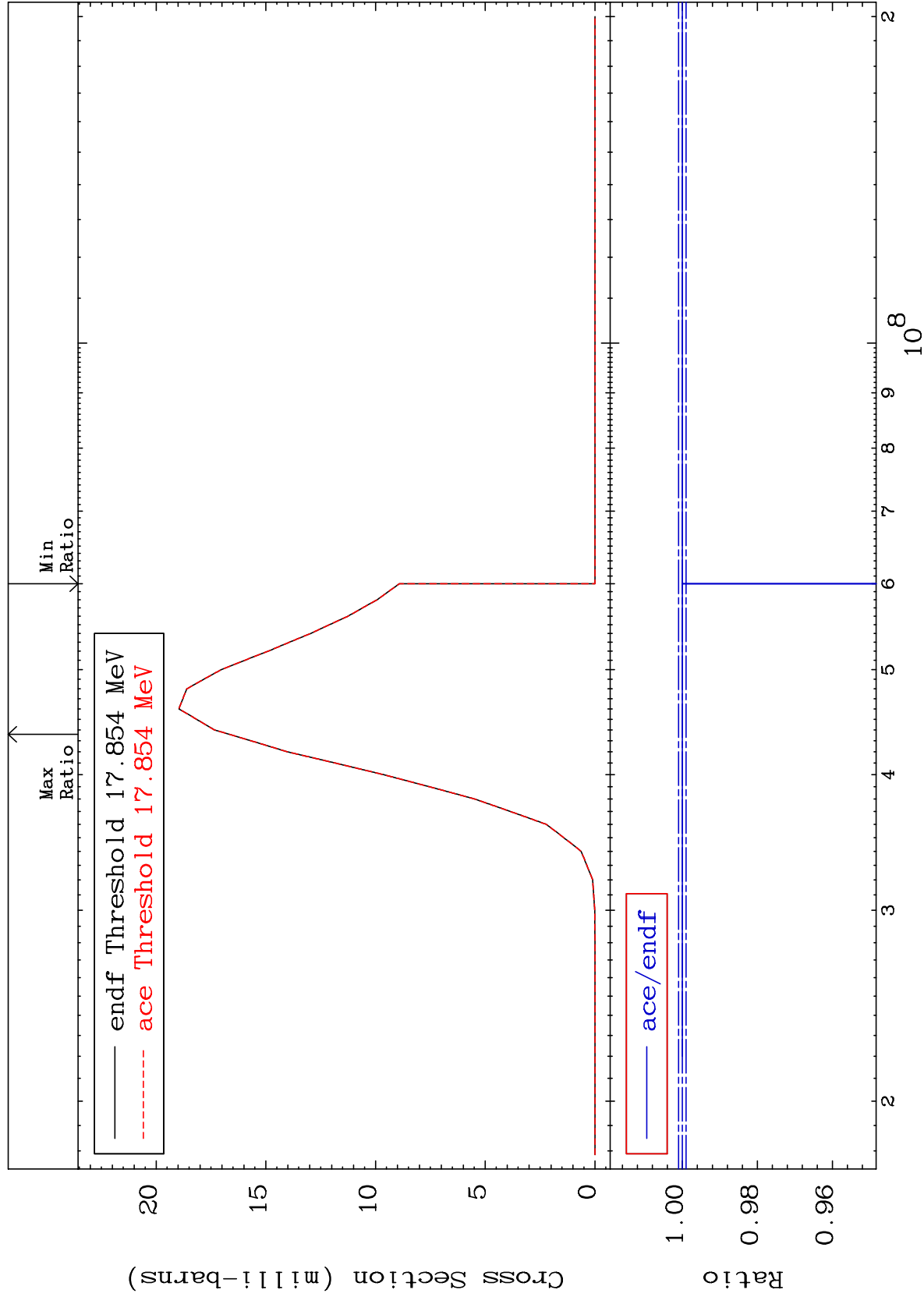
MAT 5728

(n, 3n) α

57-La-139

Cross Section

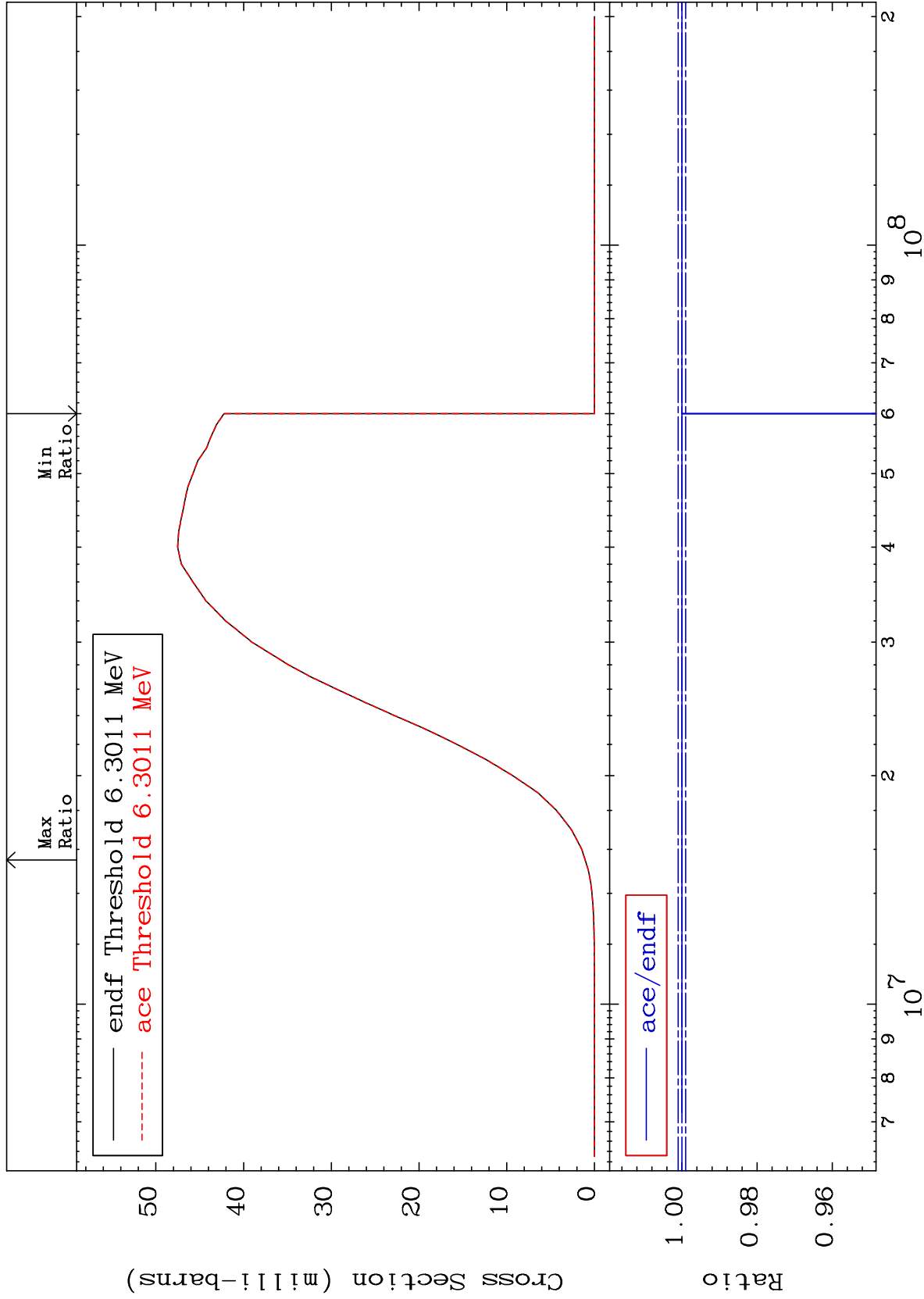
-100.0 To 0.000 %



MAT 5728

(n, n') p
Cross Section

57-La-139
-100.0 To 0.000 %



9

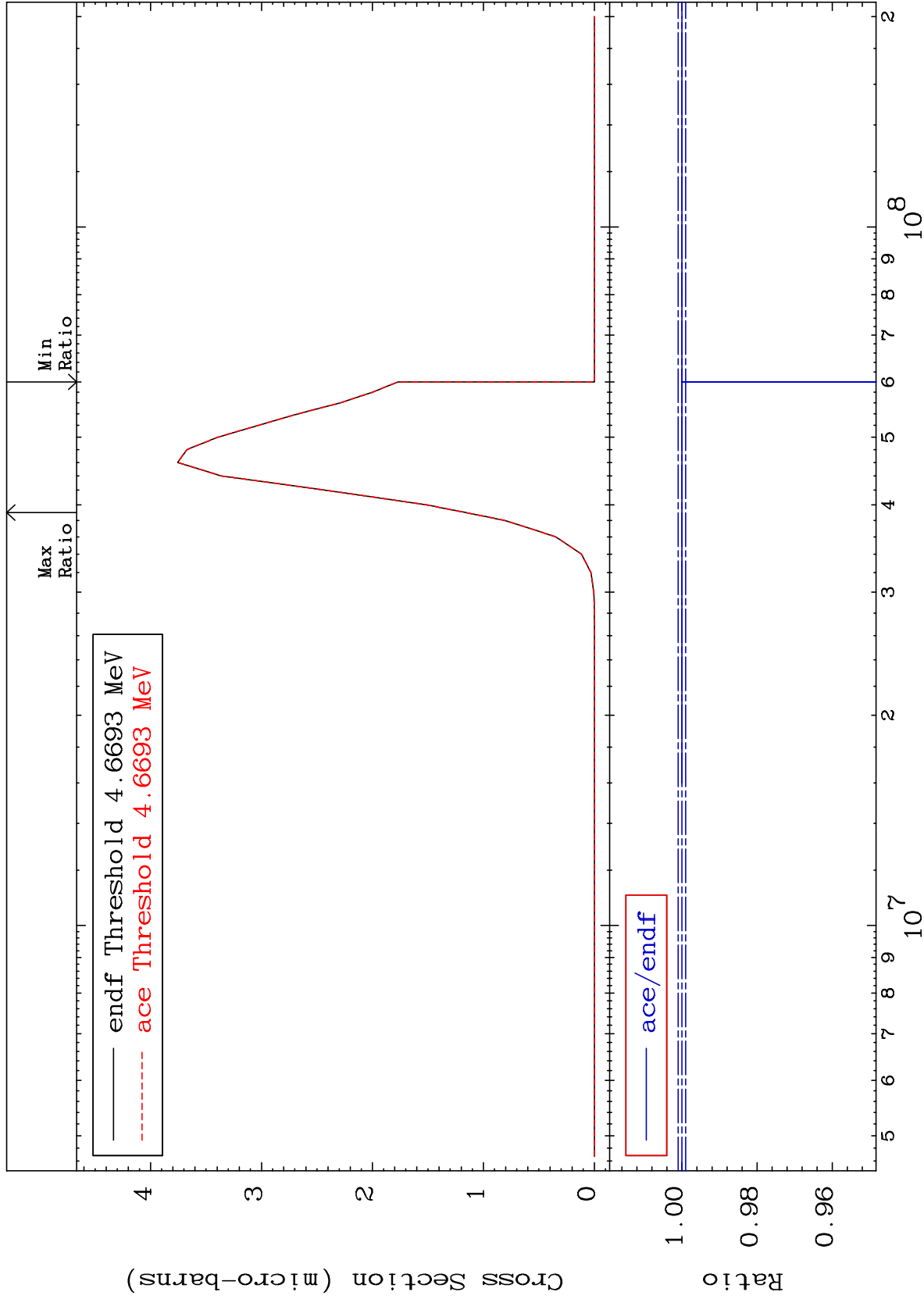
Incident Energy (eV)

57-La-139

MAT 5728

(n, n') 2 α
Cross Section

57-La-139
-100.0 To 0.000 %



10

Incident Energy (eV)

57-La-139

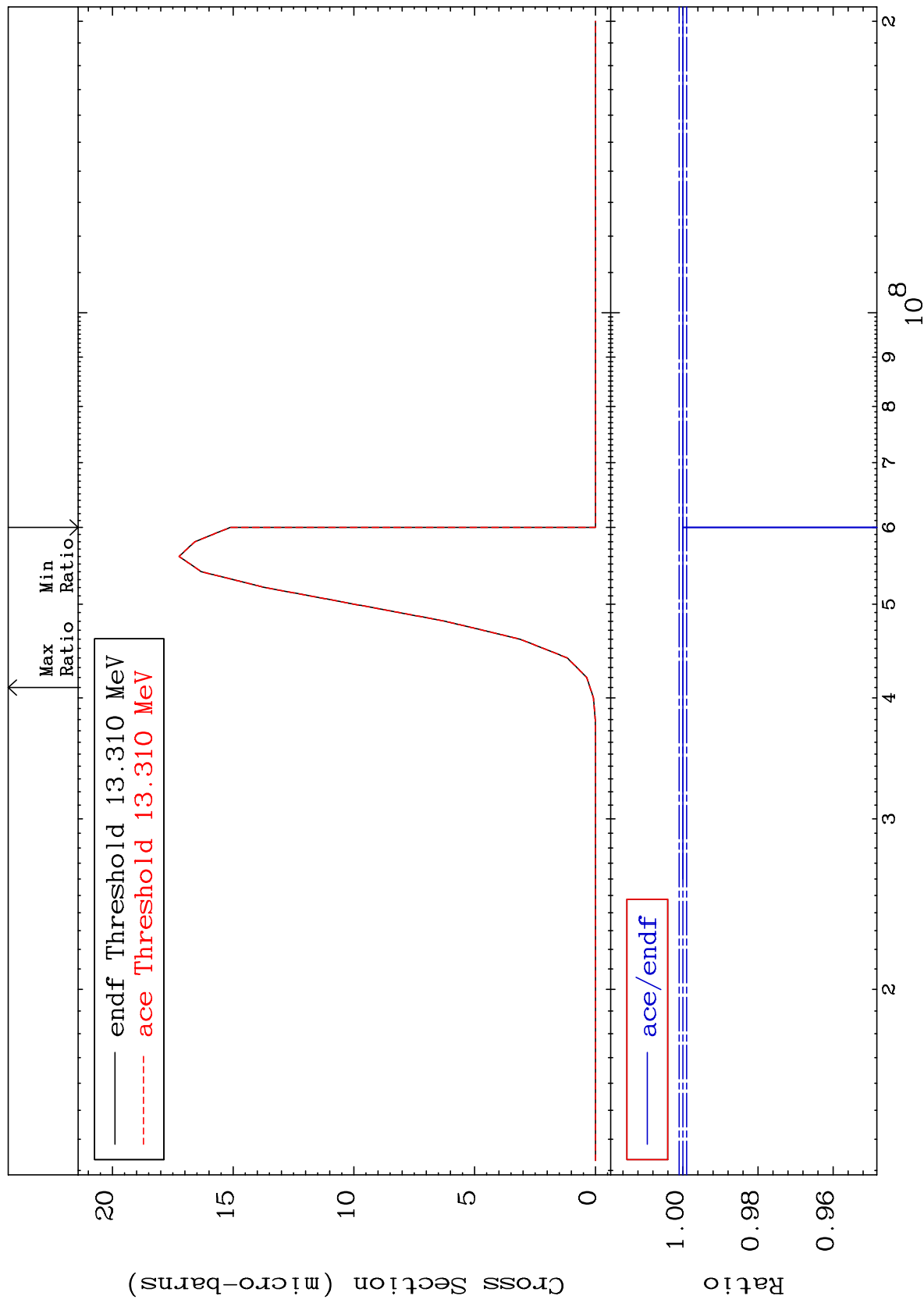
MAT 5728

(n,2n) 2α

57-La-139

Cross Section

-100.0 To 0.000 %



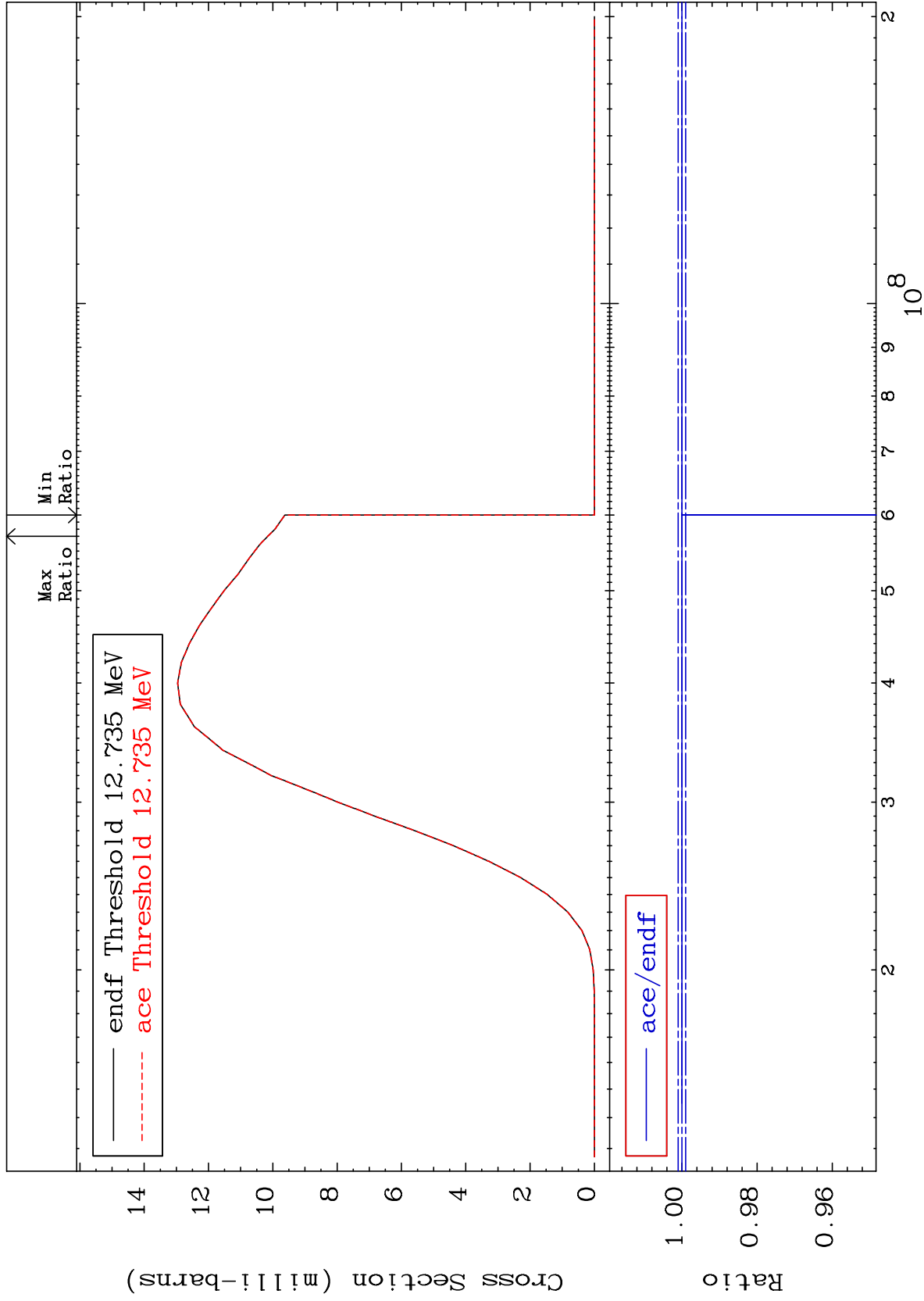
MAT 5728

(n, n') d

57-La-139

Cross Section

-100.0 To 0.000 %



12

Incident Energy (eV)

57-La-139

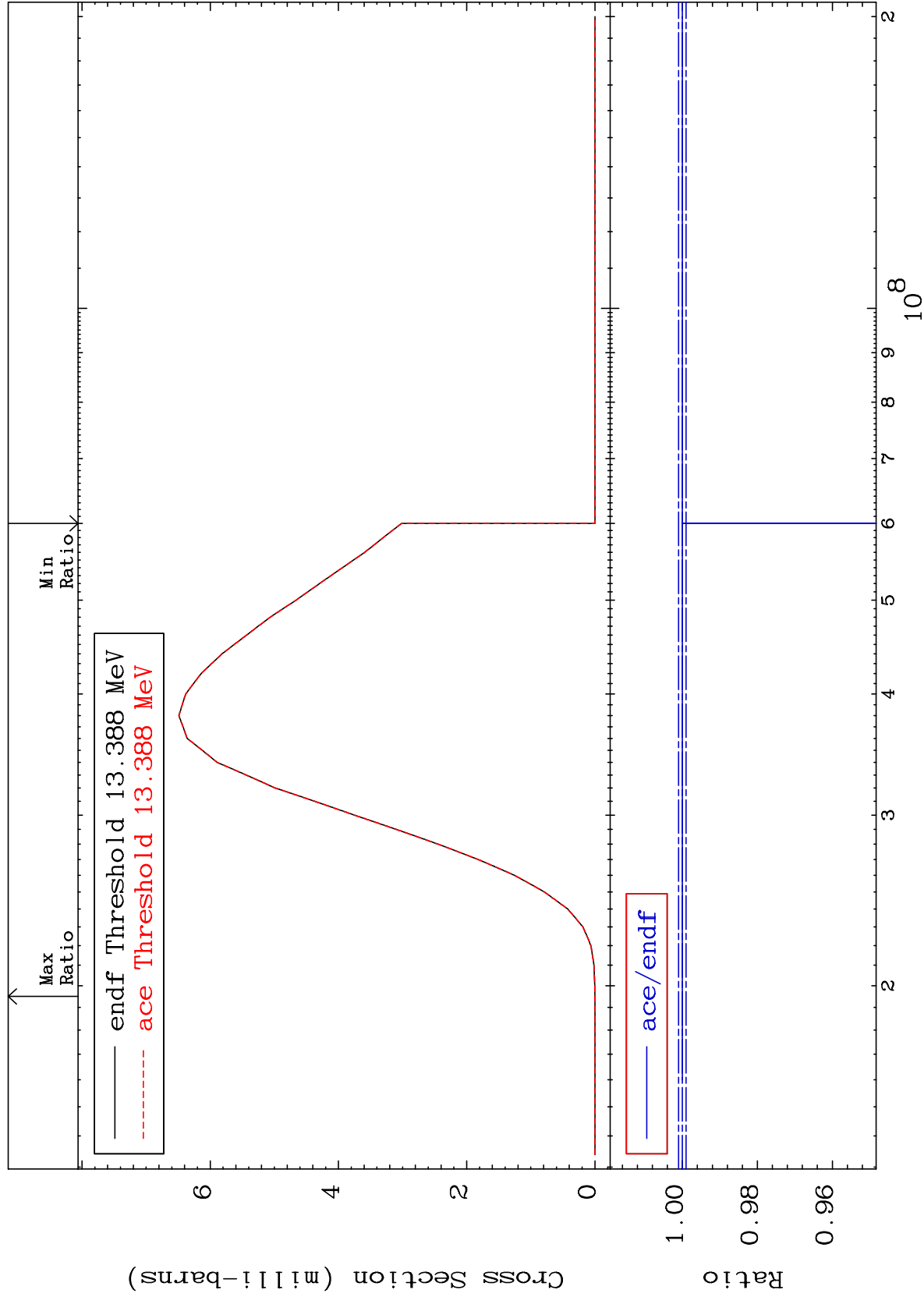
MAT 5728

(n, n') t

57-La-139

Cross Section

-100.0 To 0.000 %

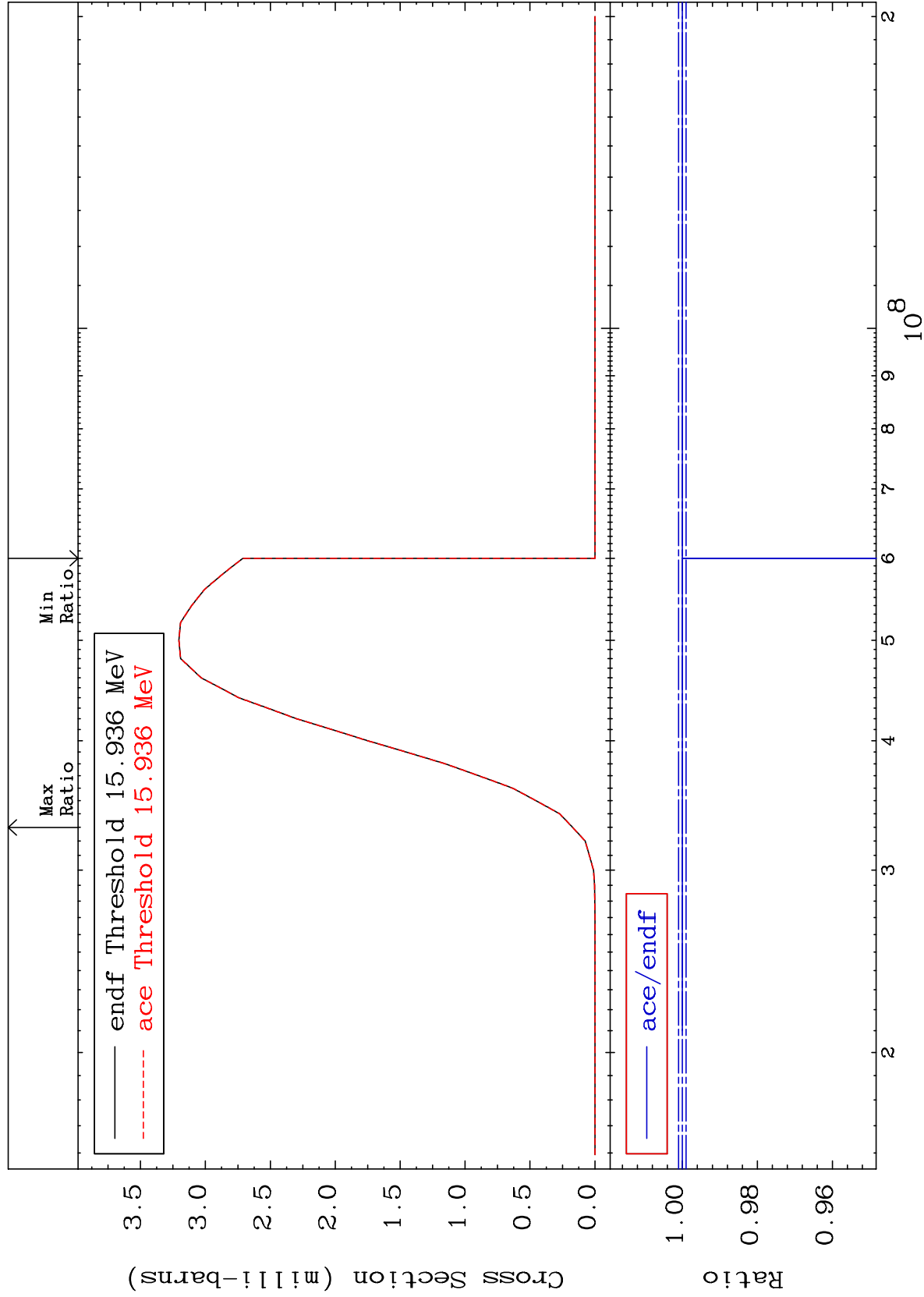


13

MAT 5728

(n, n') He-3
Cross Section

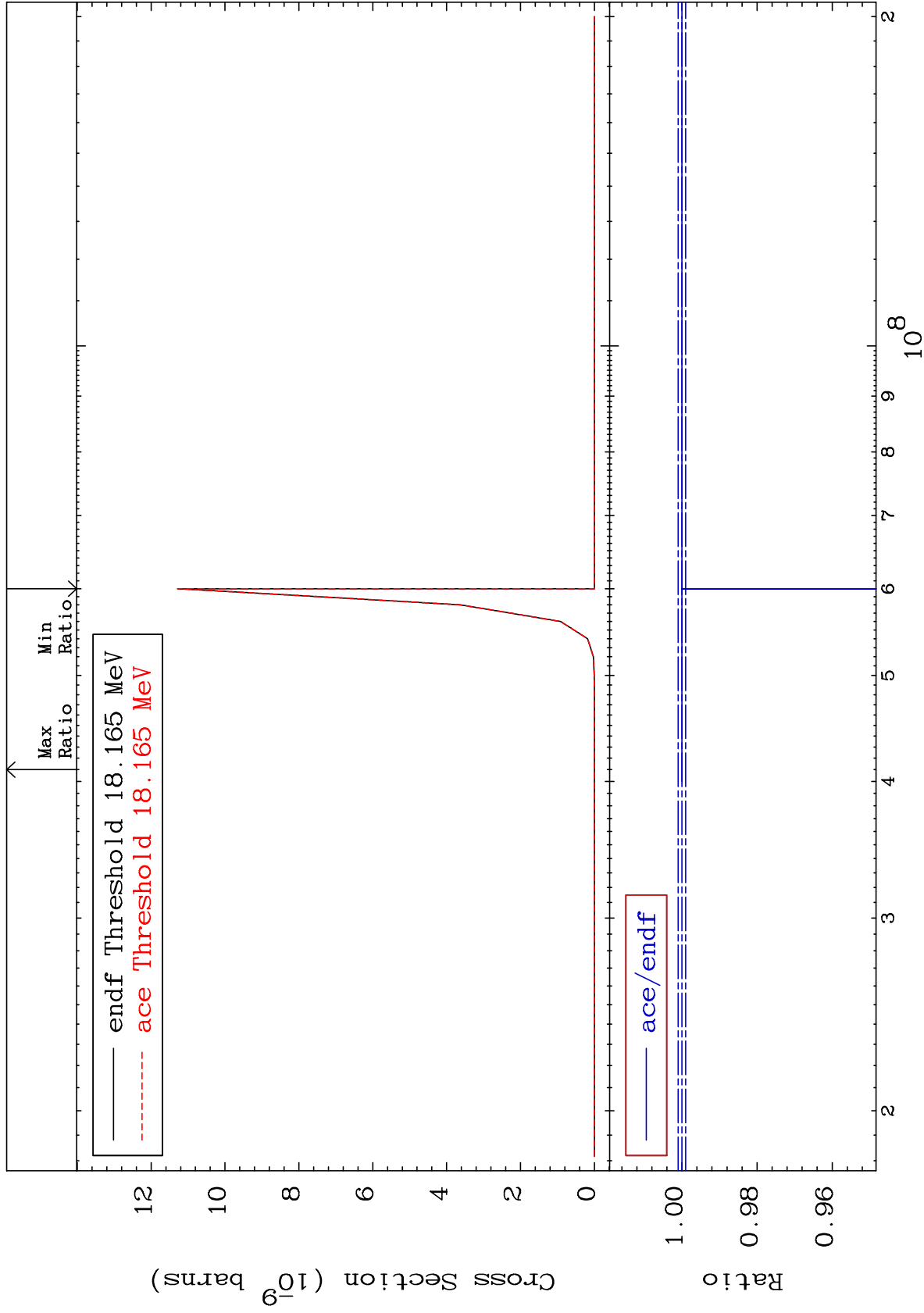
57-La-139
-100.0 To 0.000 %



MAT 5728

(n, n') t, 2α
Cross Section

57-La-139
-100.0 To 0.000 %



15

Incident Energy (eV)

57-La-139

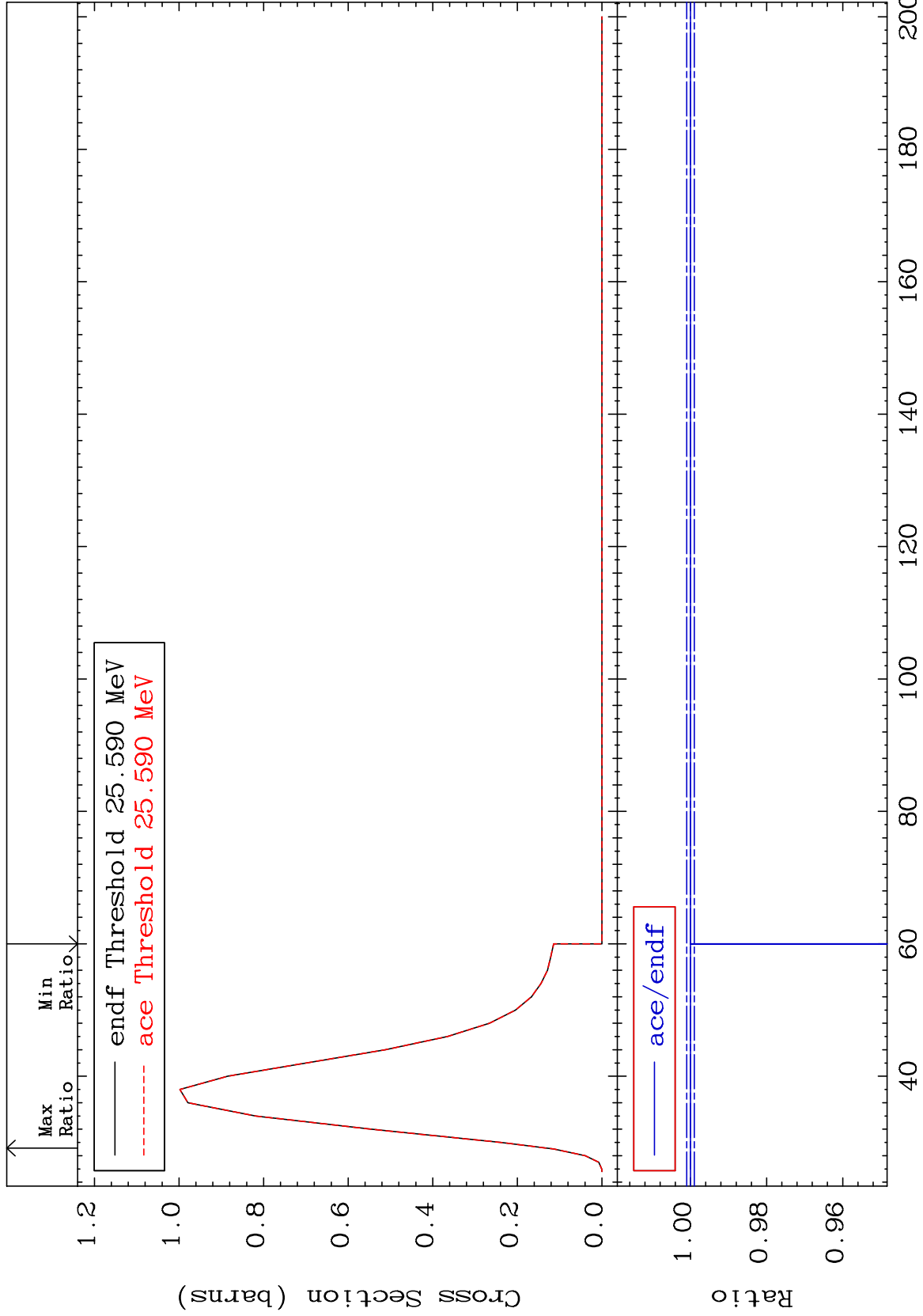
MAT 5728

(n, 4n)

57-La-139

Cross Section

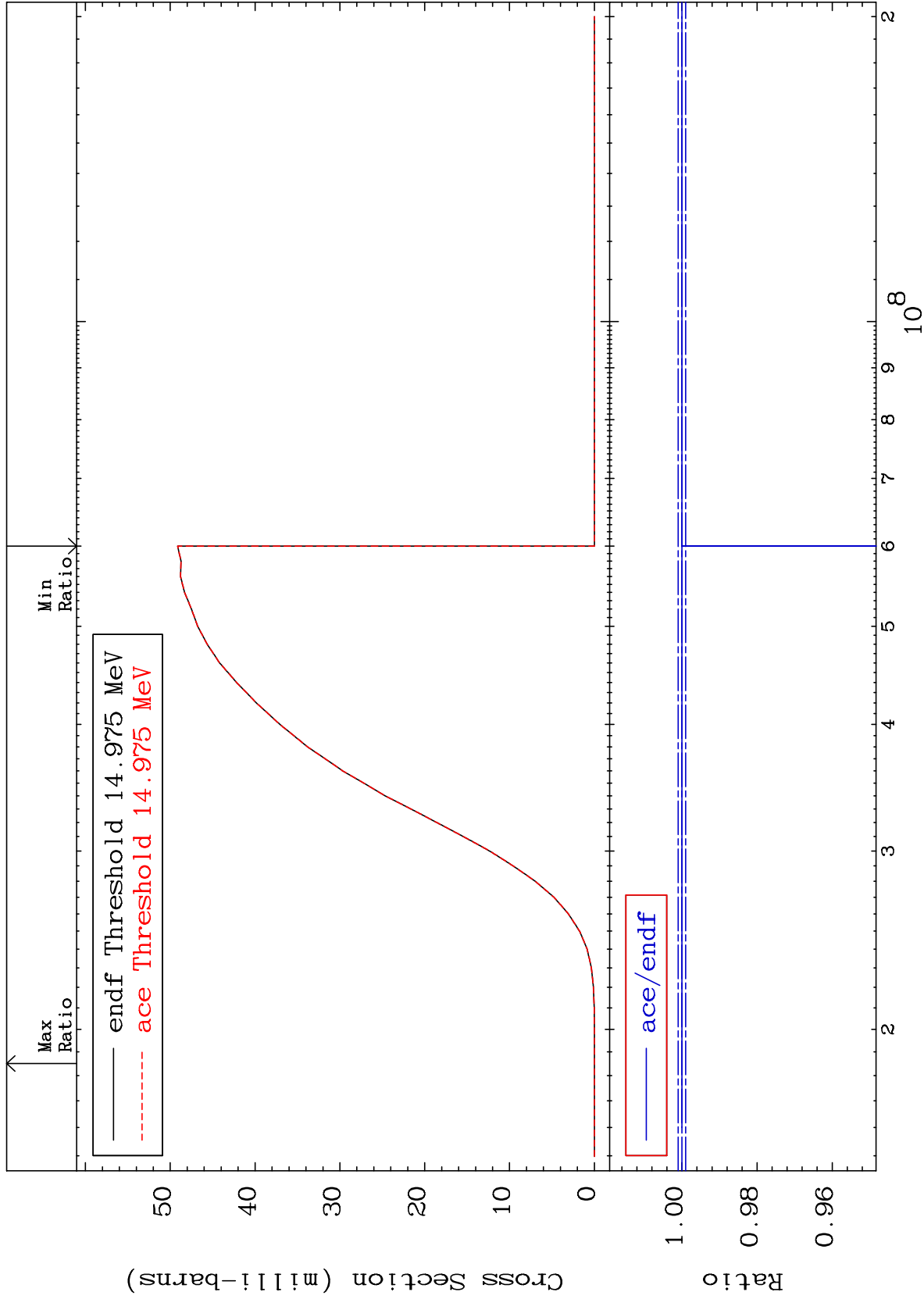
-100.0 To 0.000 %



MAT 5728

(n,2n) p
Cross Section

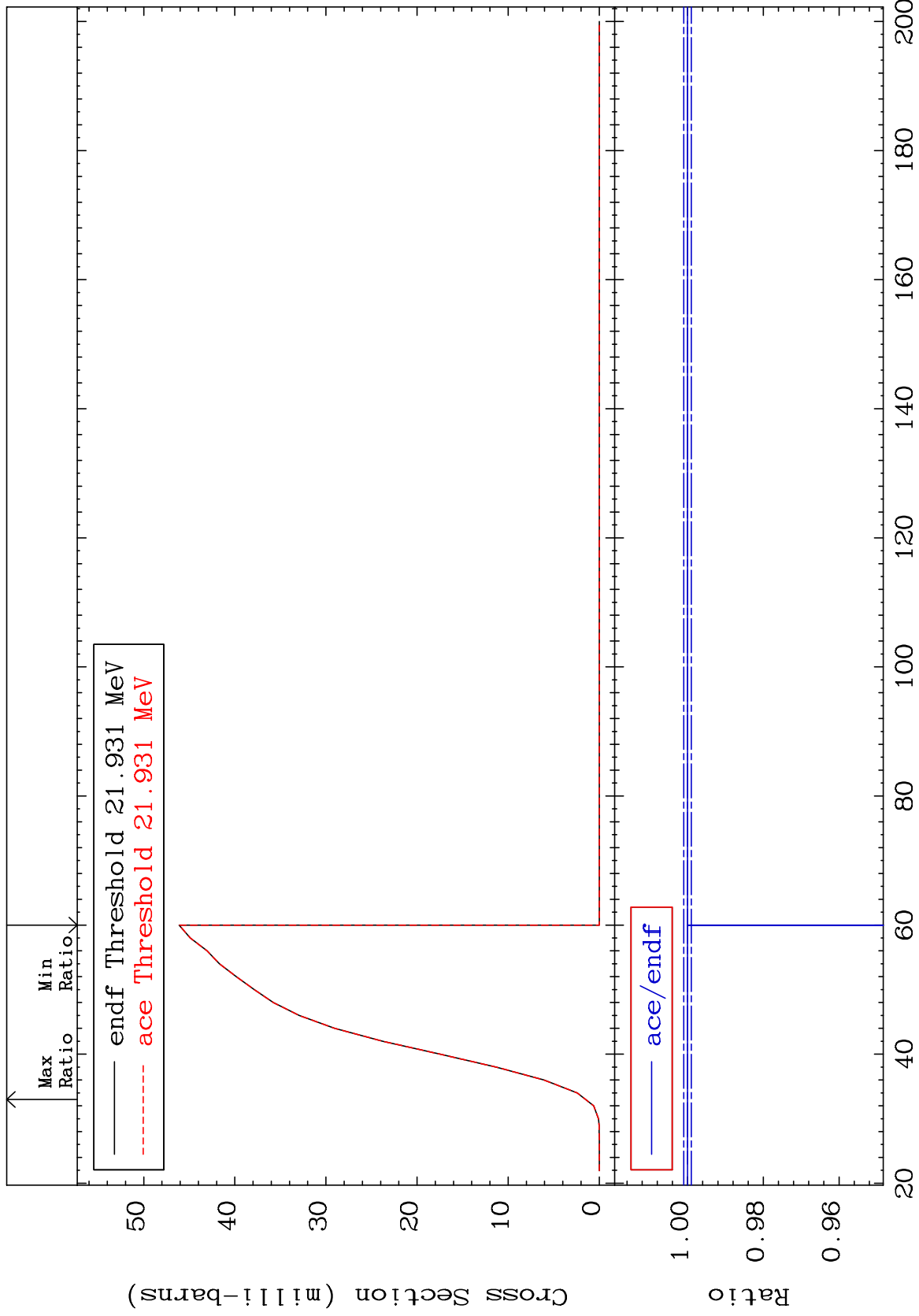
57-La-139
-100.0 To 0.000 %



MAT 5728

(n, 3n) p
Cross Section

57-La-139
-100.0 To 0.000 %



18

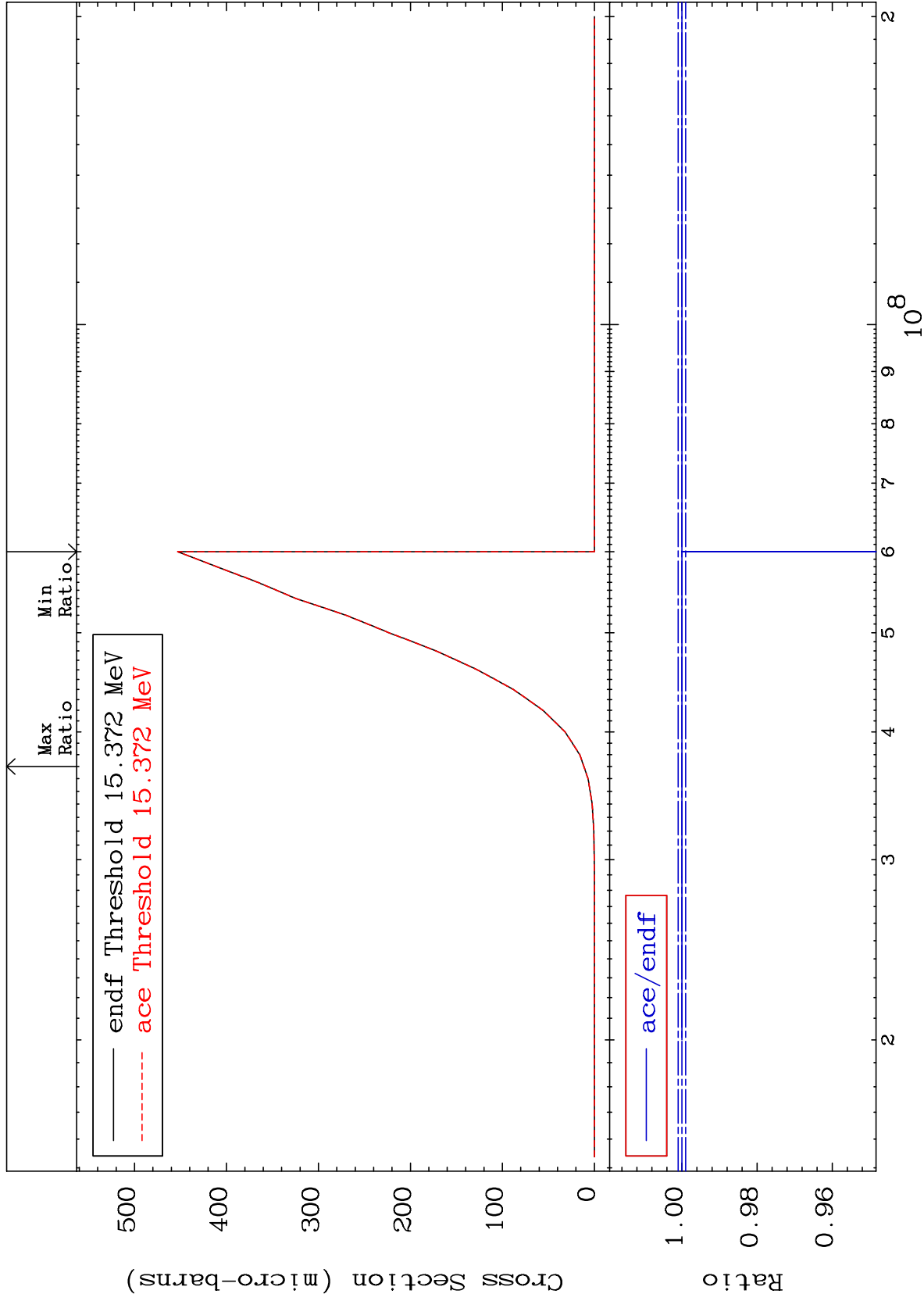
Incident Energy (MeV)

57-La-139

MAT 5728

(n,2n) p
Cross Section

57-La-139
-100.0 To 0.000 %



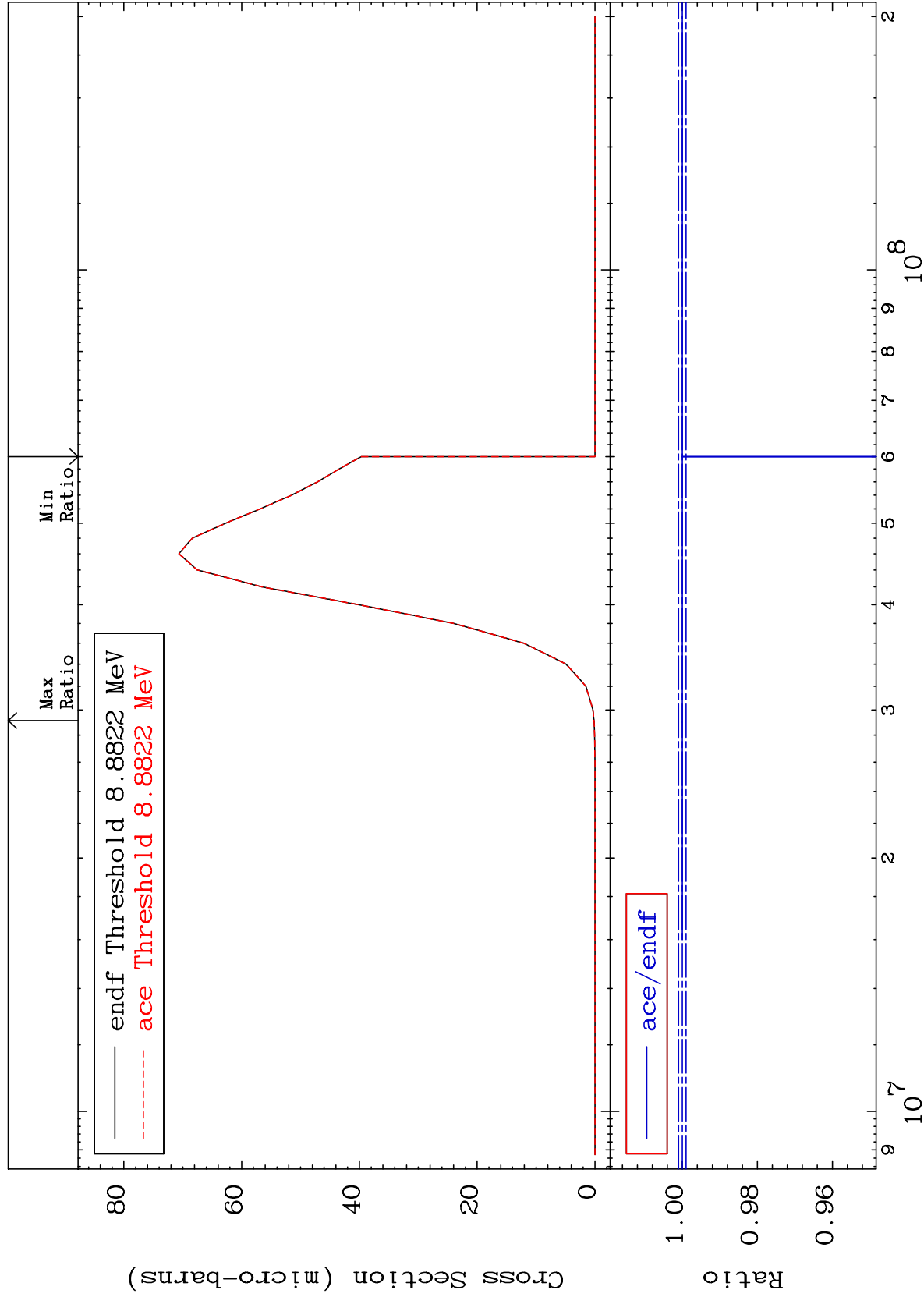
MAT 5728

(n,n') p α

57-La-139

Cross Section

-100.0 To 0.000 %



20

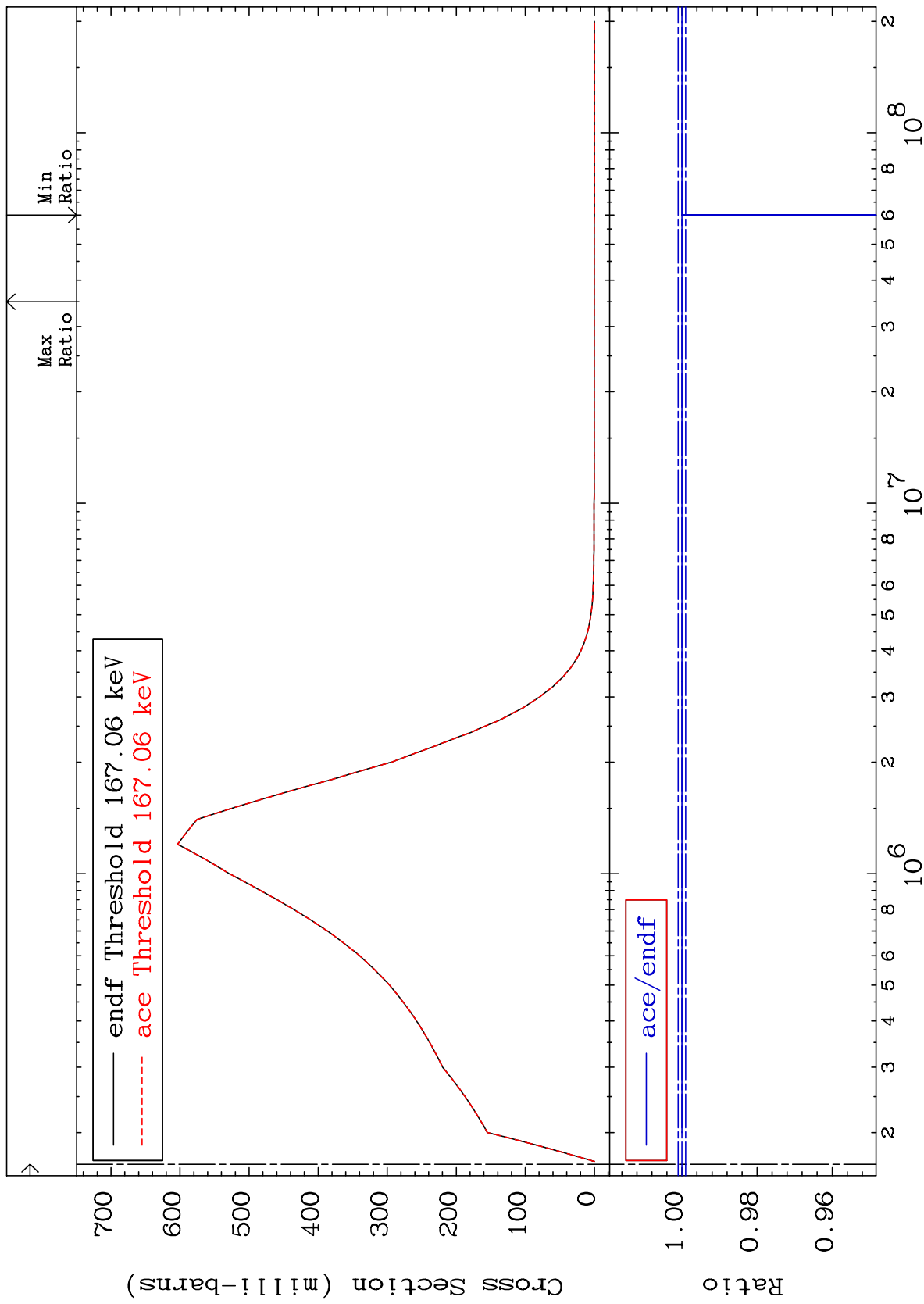
Incident Energy (eV)

57-La-139

MAT 5728

165.9 keV (n,n') Level
Cross Section

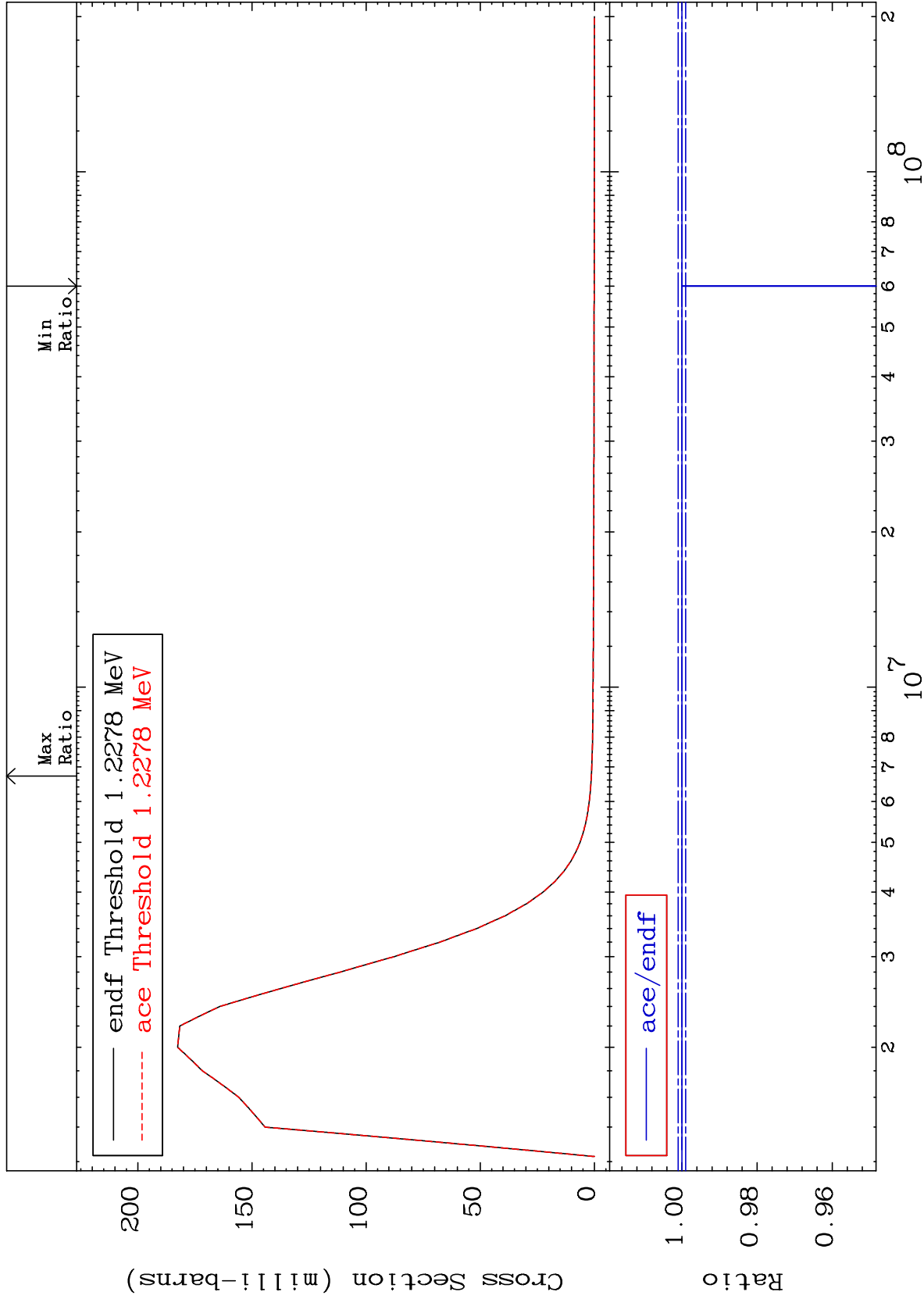
57-La-139
-100.0 To 0.000 %



MAT 5728

1.219 MeV (n,n') Level
Cross Section

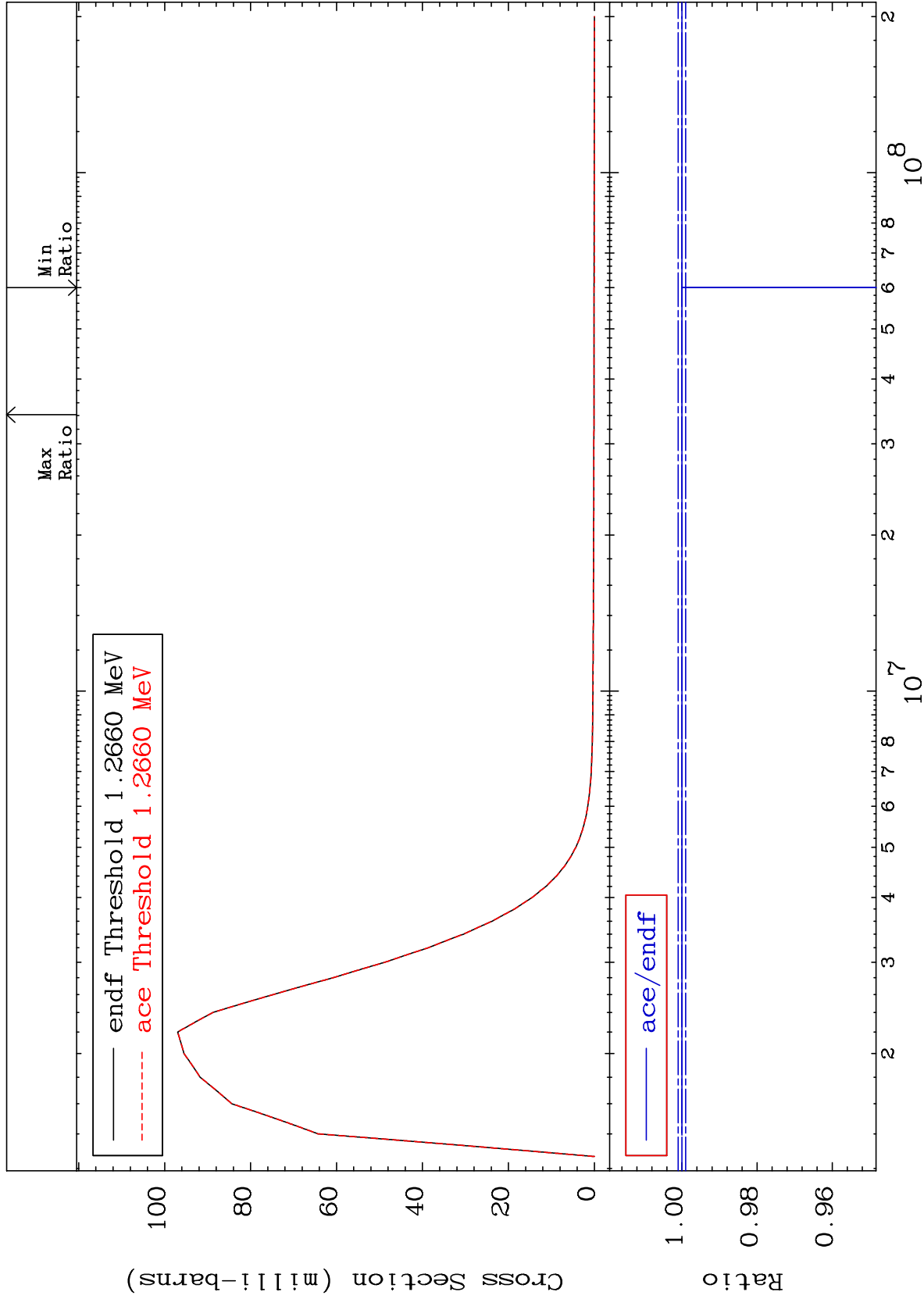
57-La-139
-100.0 To 0.000 %



MAT 5728

1.257 MeV (n,n') Level
Cross Section

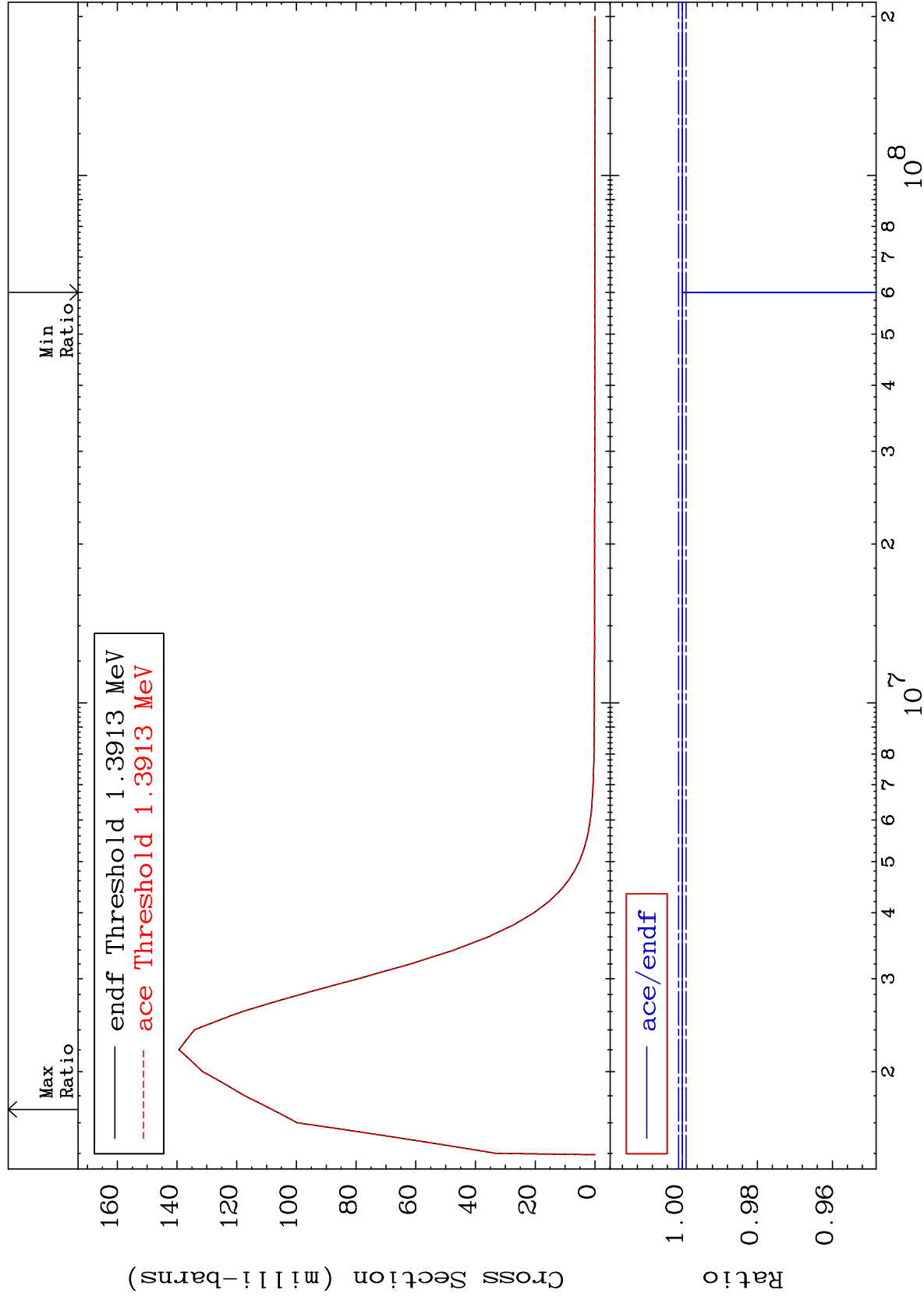
57-La-139
-100.0 To 0.000 %



MAT 5728

1.381 MeV (n,n') Level
Cross Section

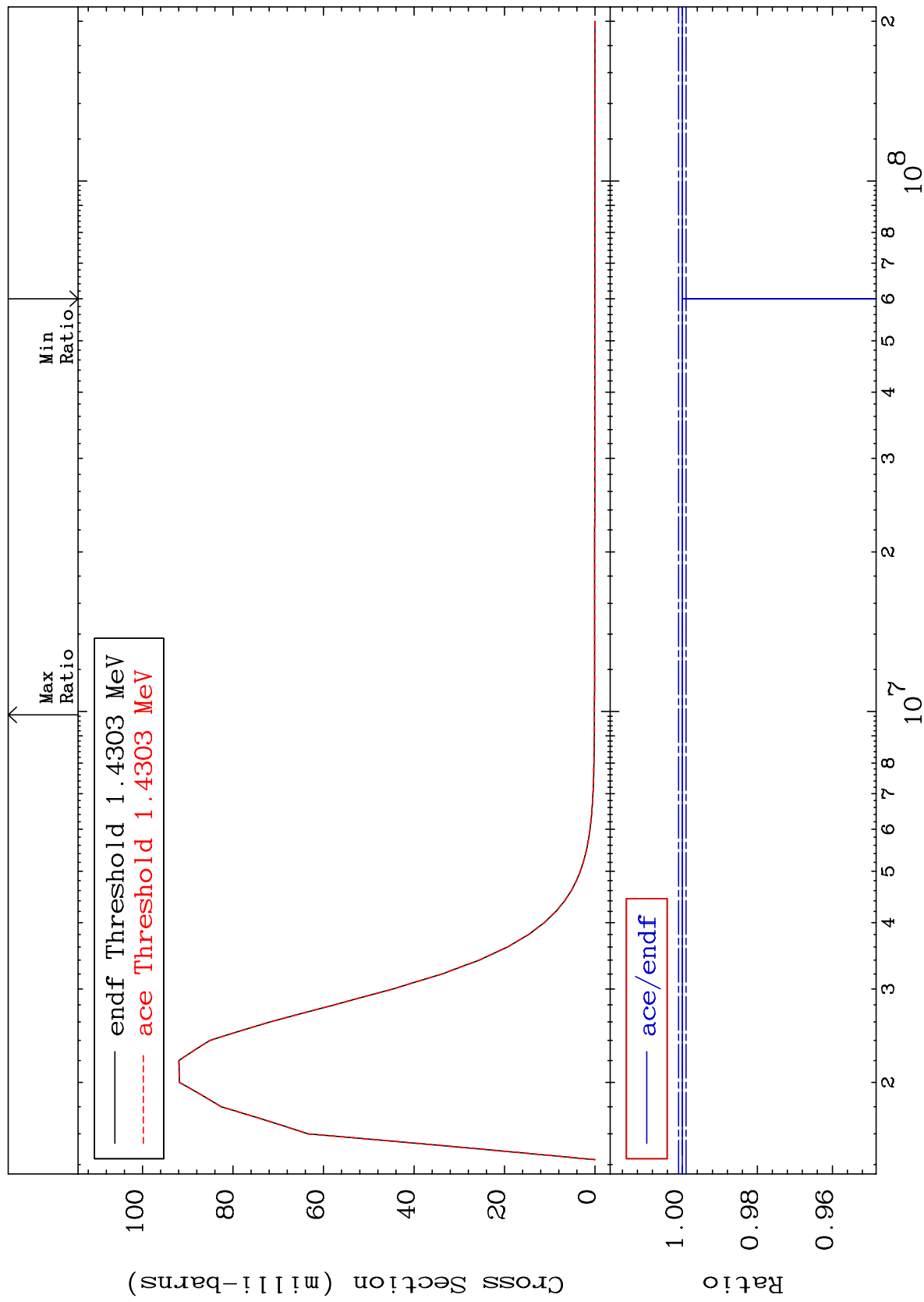
57-La-139
-100.0 To 0.000 %



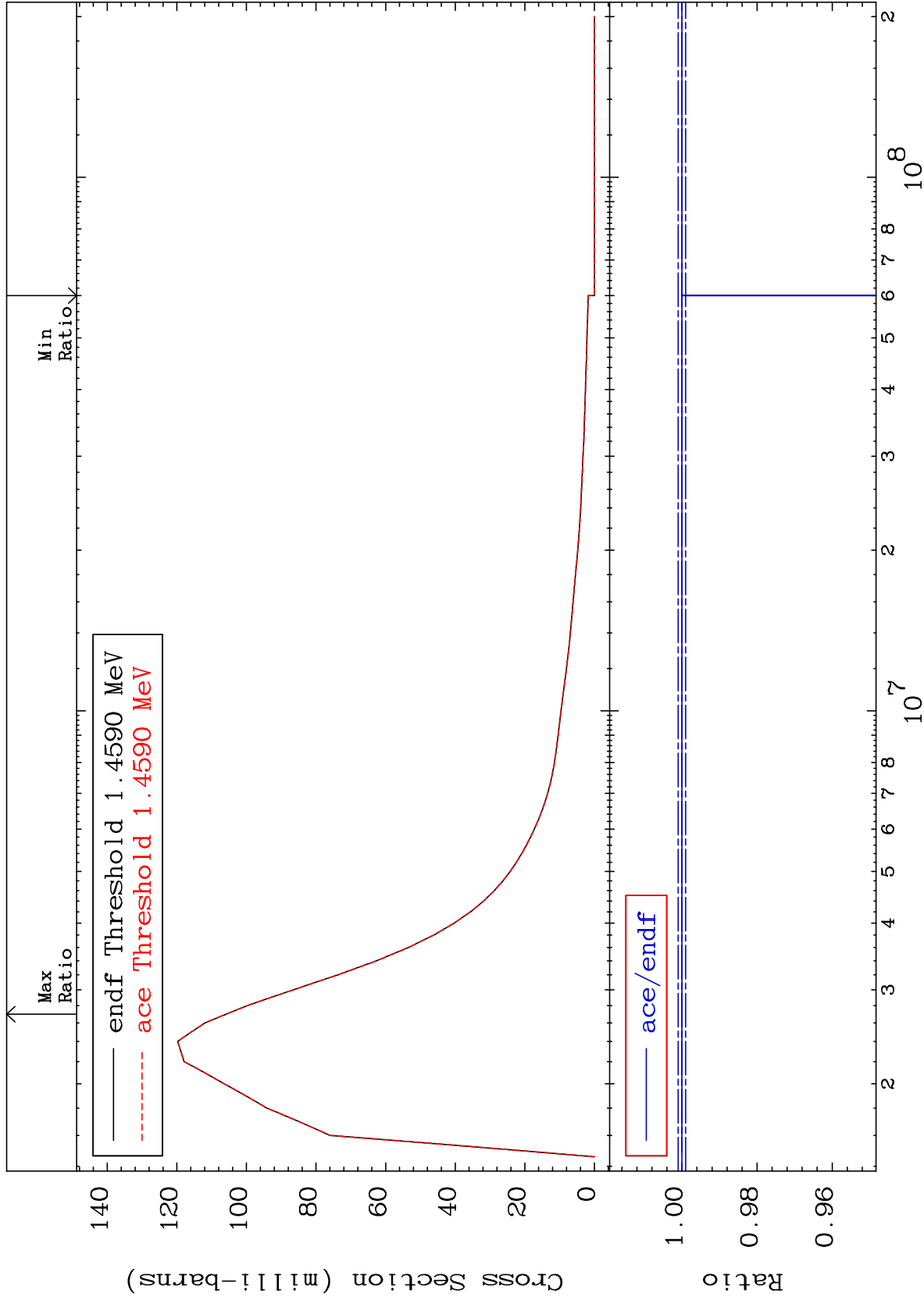
MAT 5728

1.420 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



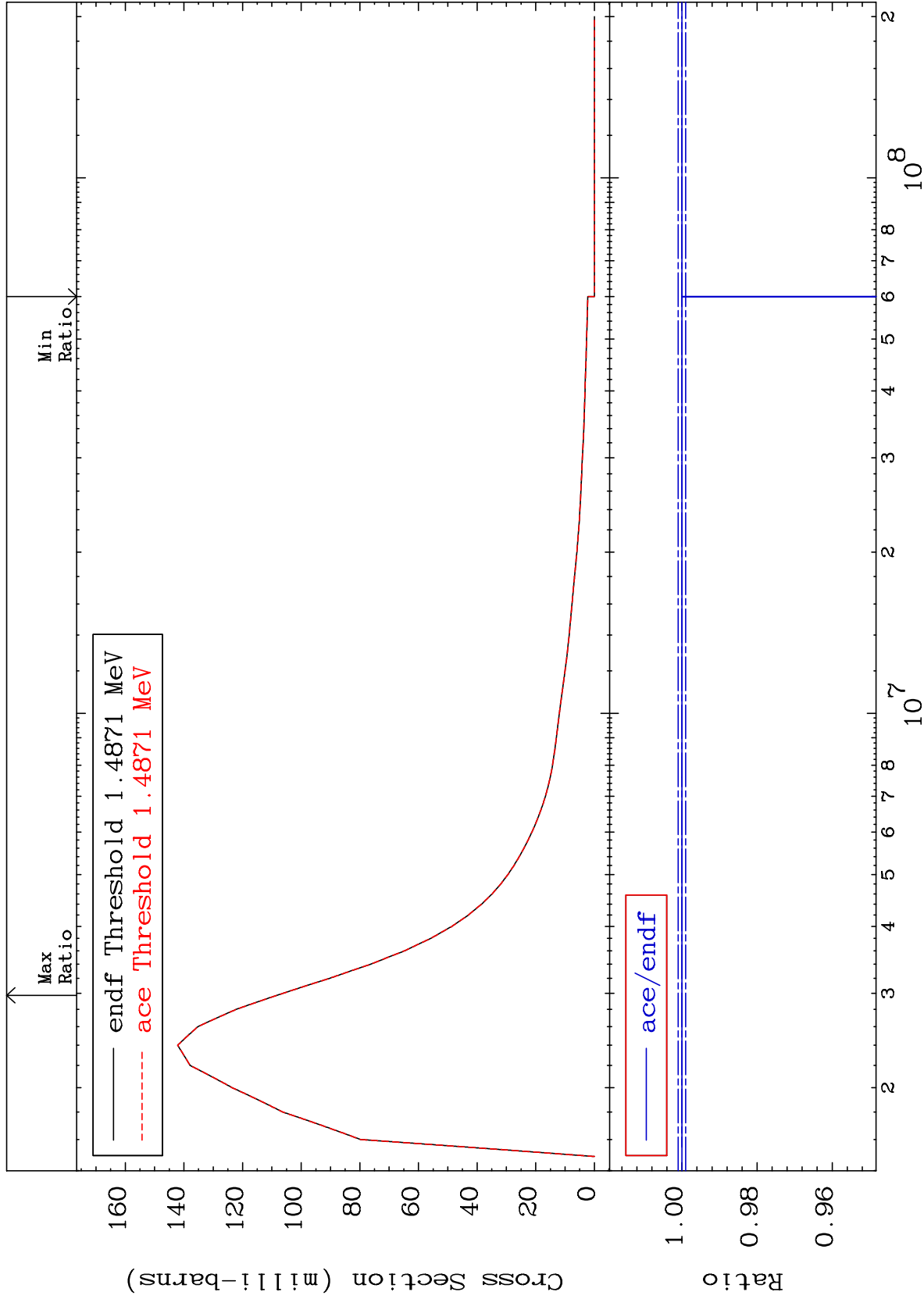
MAT 5728 1.448 MeV (n,n') Level 57-La-139
 Cross Section -100.0 To 0.000 %



MAT 5728

1.476 MeV (n,n') Level
Cross Section

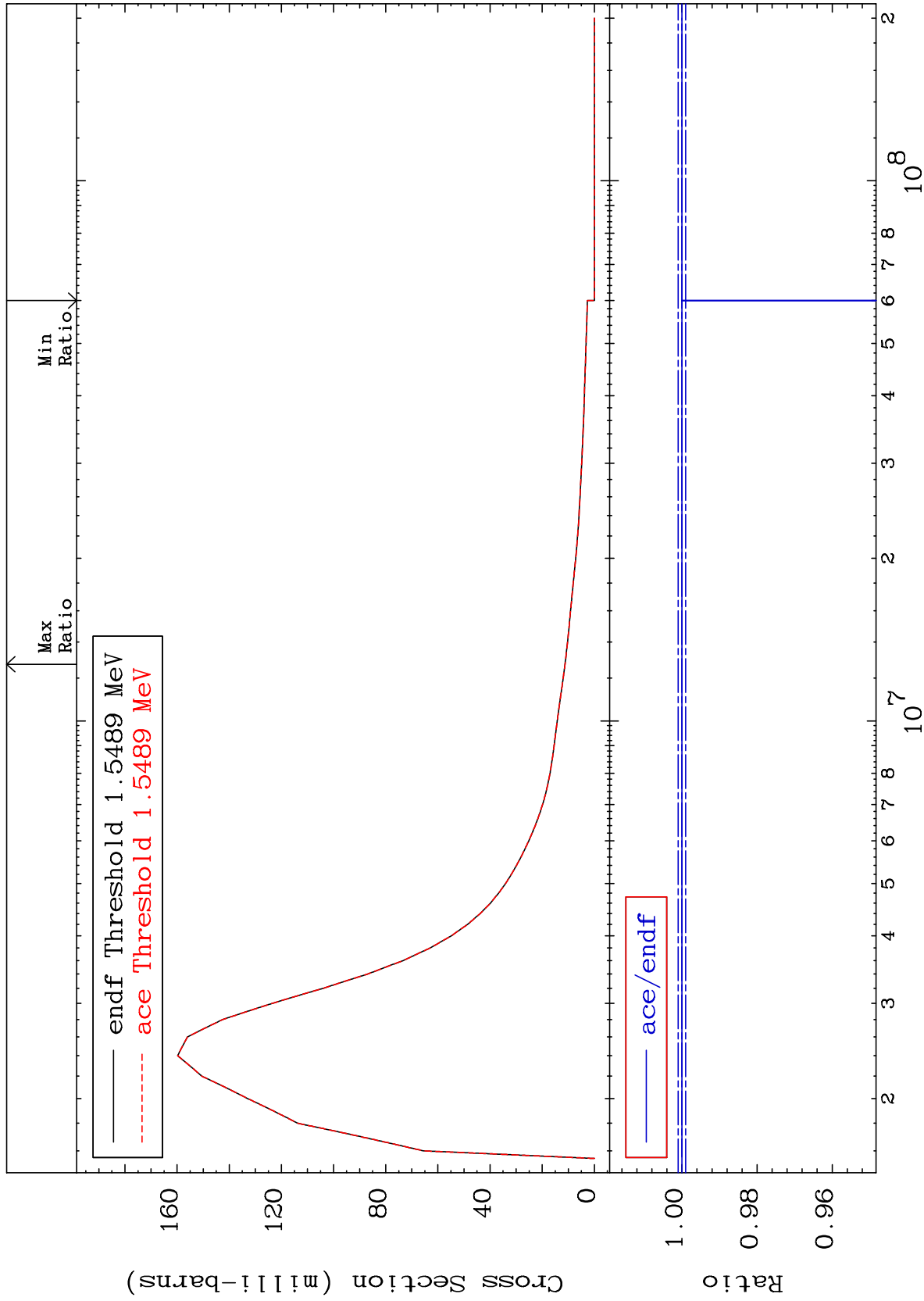
57-La-139
-100.0 To 0.000 %



MAT 5728

1.538 MeV (n,n') Level
Cross Section

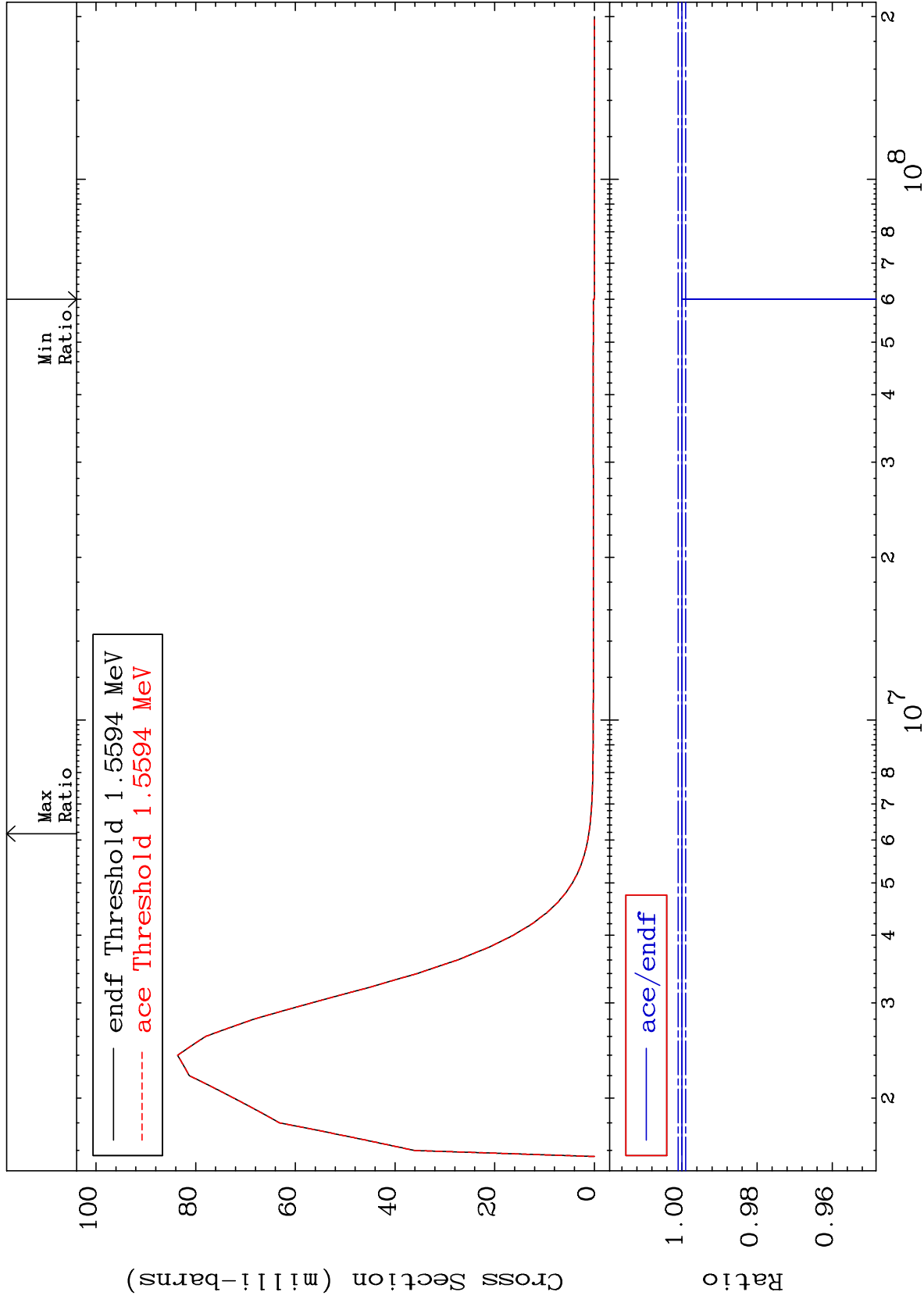
57-La-139
-100.0 To 0.000 %



MAT 5728

1.548 MeV (n,n') Level
Cross Section

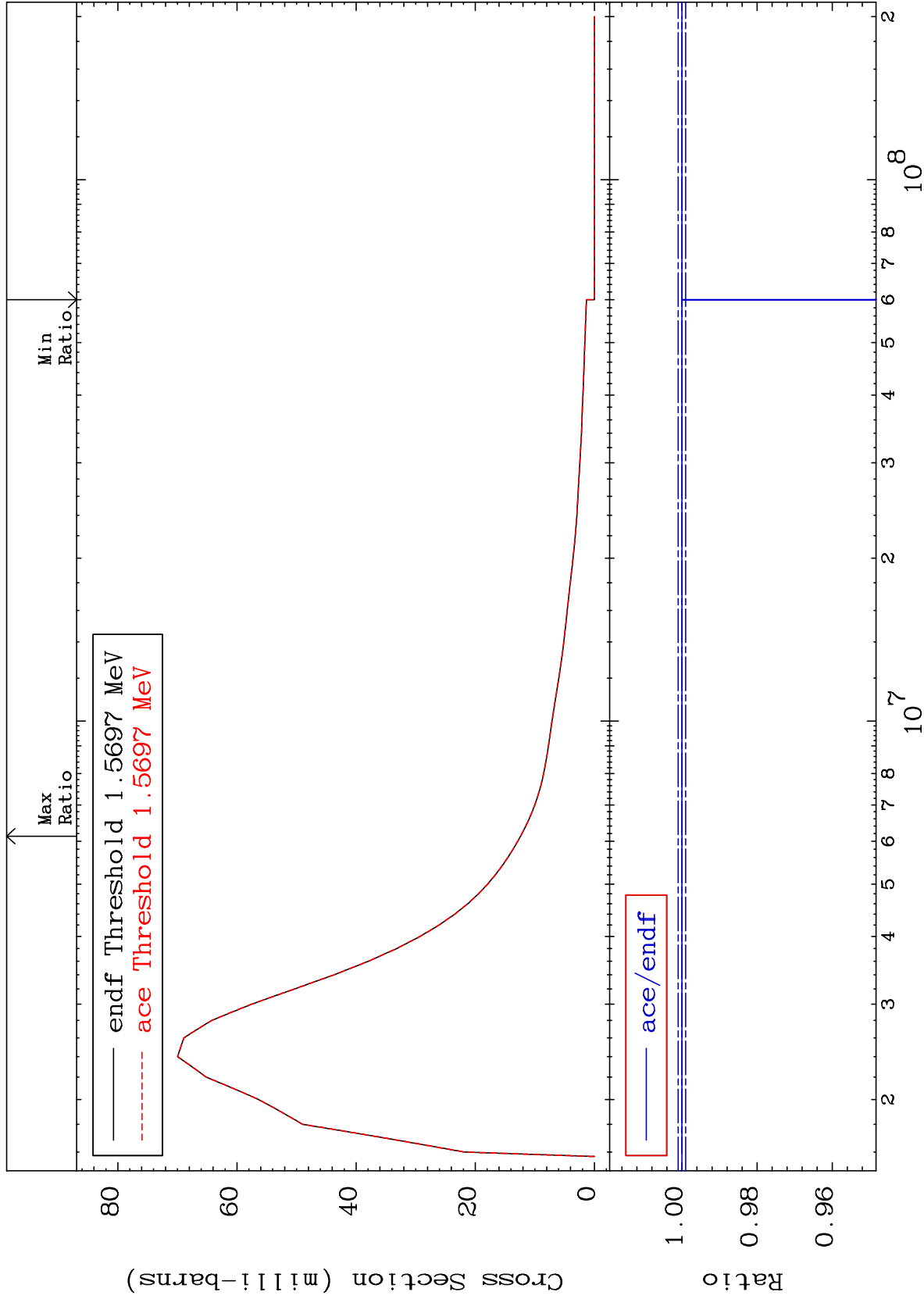
57-La-139
-100.0 To 0.000 %



MAT 5728

1.558 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



30

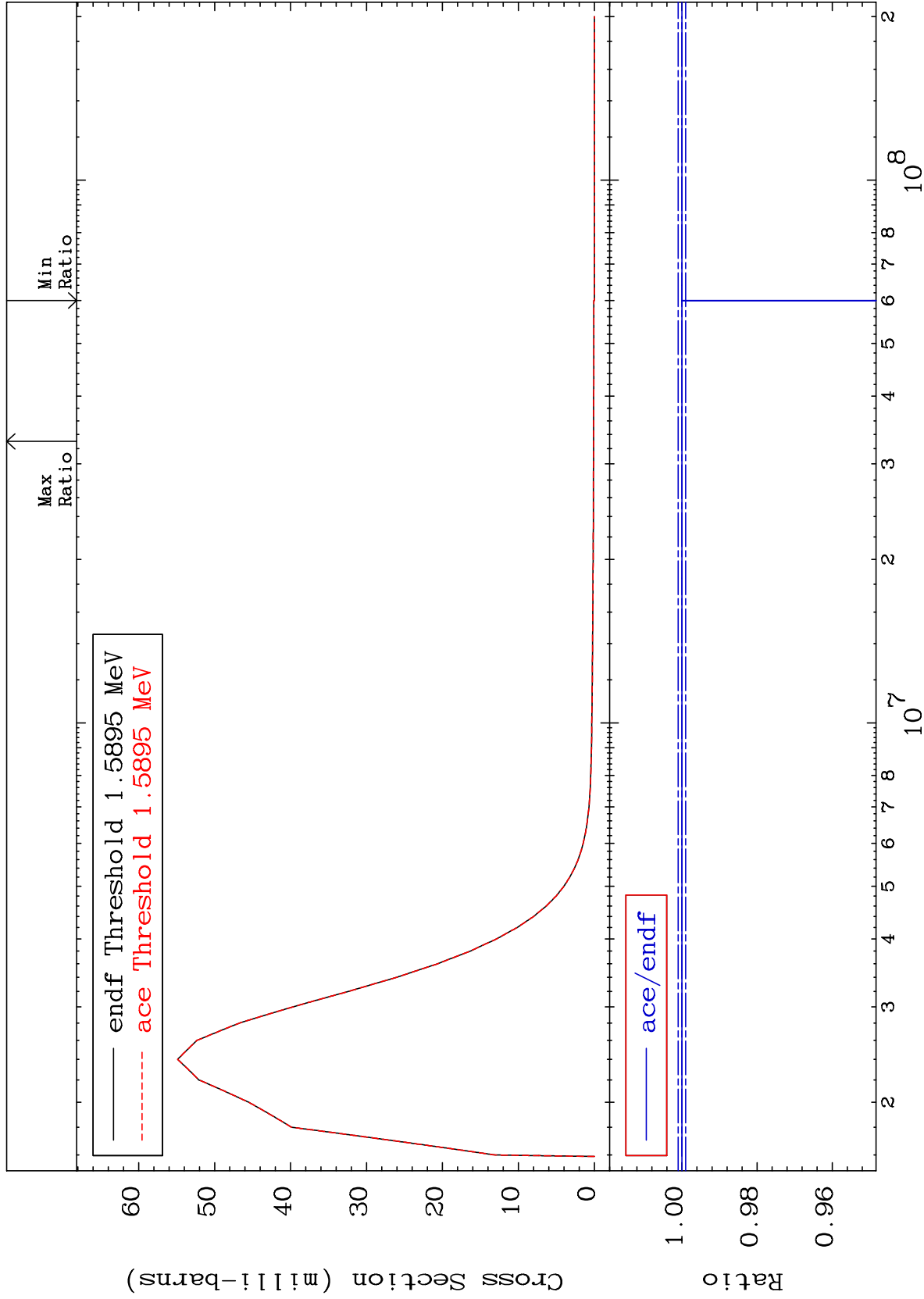
Incident Energy (eV)

57-La-139

MAT 5728

1.578 MeV (n,n') Level
Cross Section

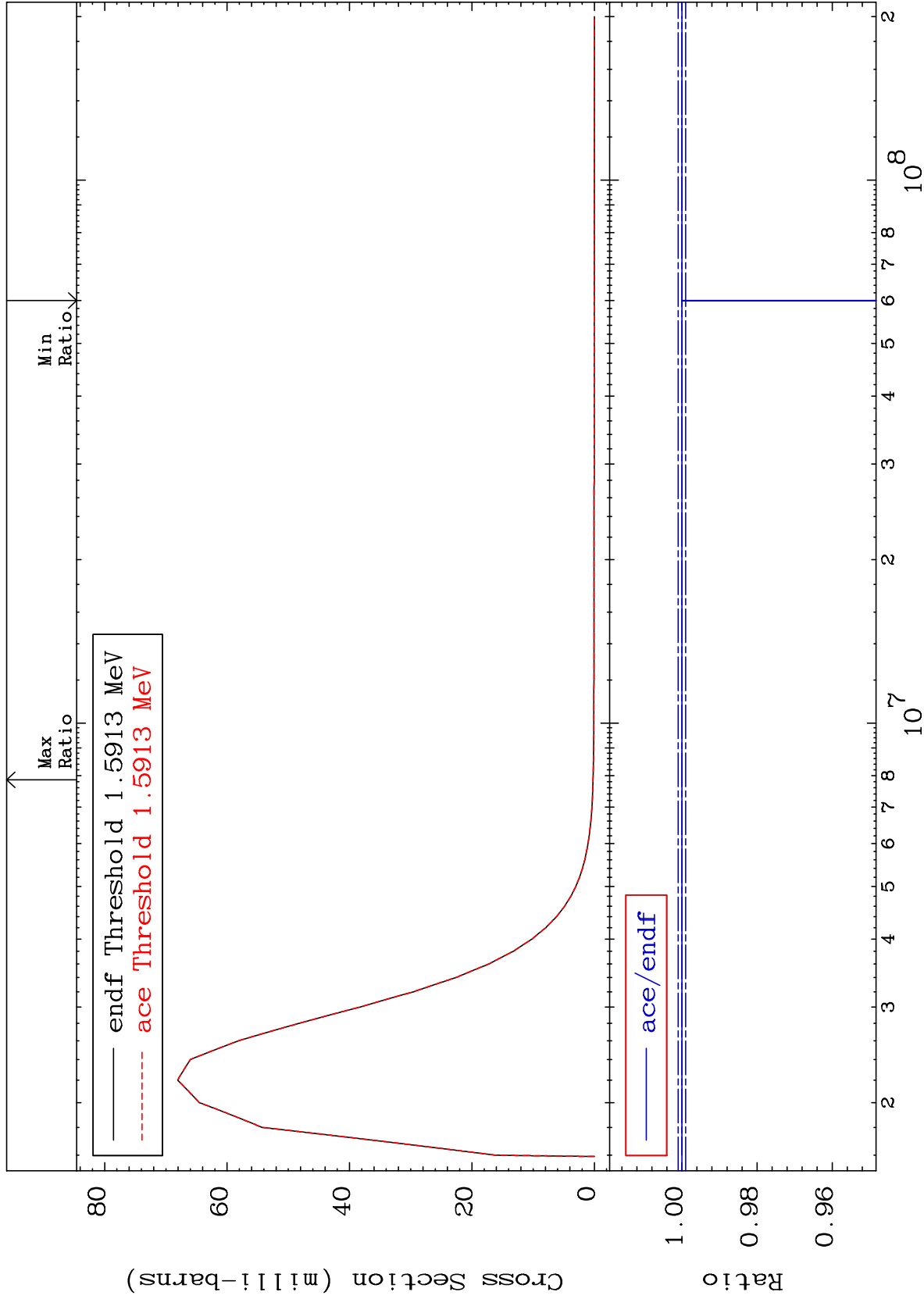
57-La-139
-100.0 To 0.000 %



MAT 5728

1.580 MeV (n,n') Level
Cross Section

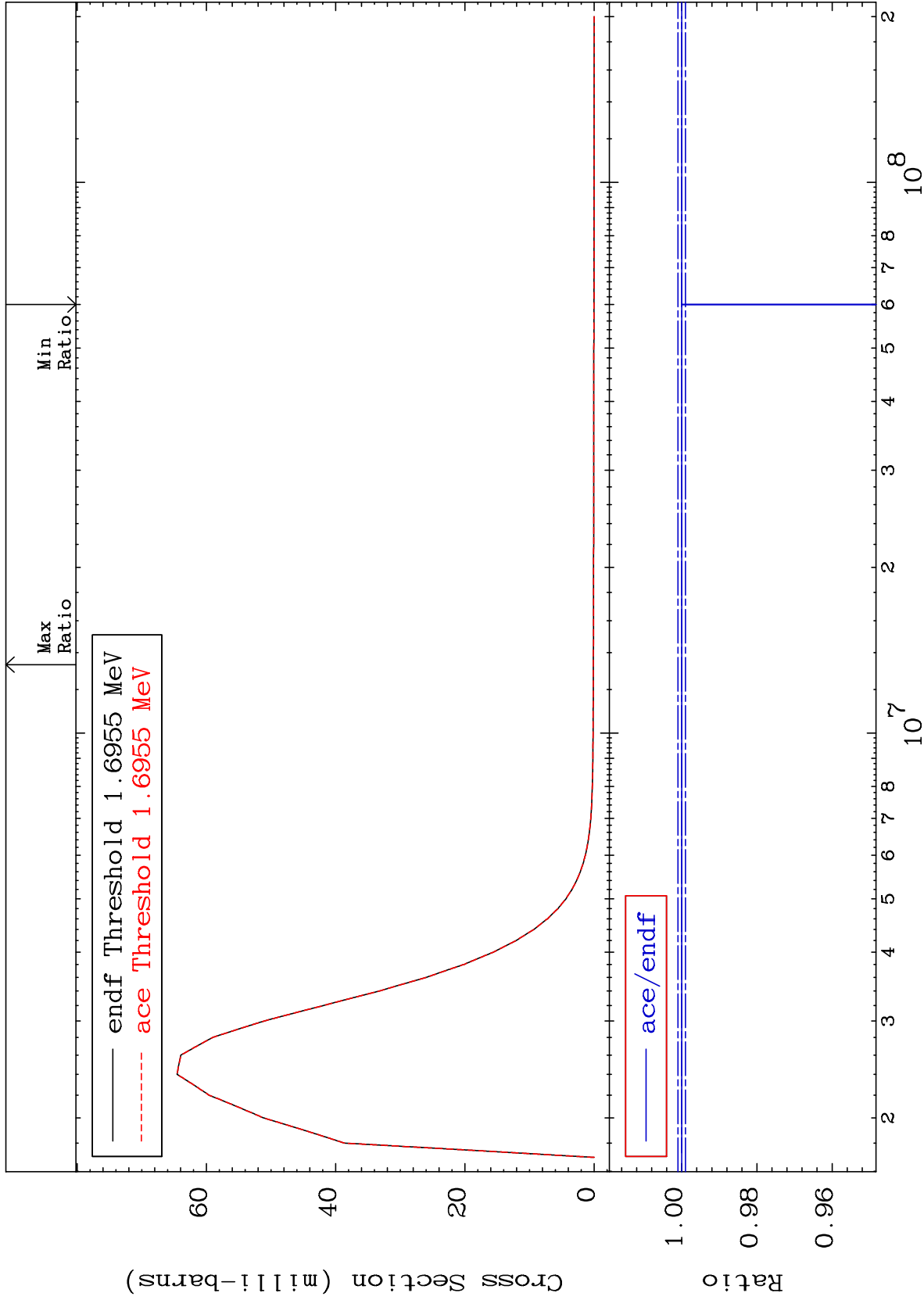
57-La-139
-100.0 To 0.000 %



MAT 5728

1.683 MeV (n,n') Level
Cross Section

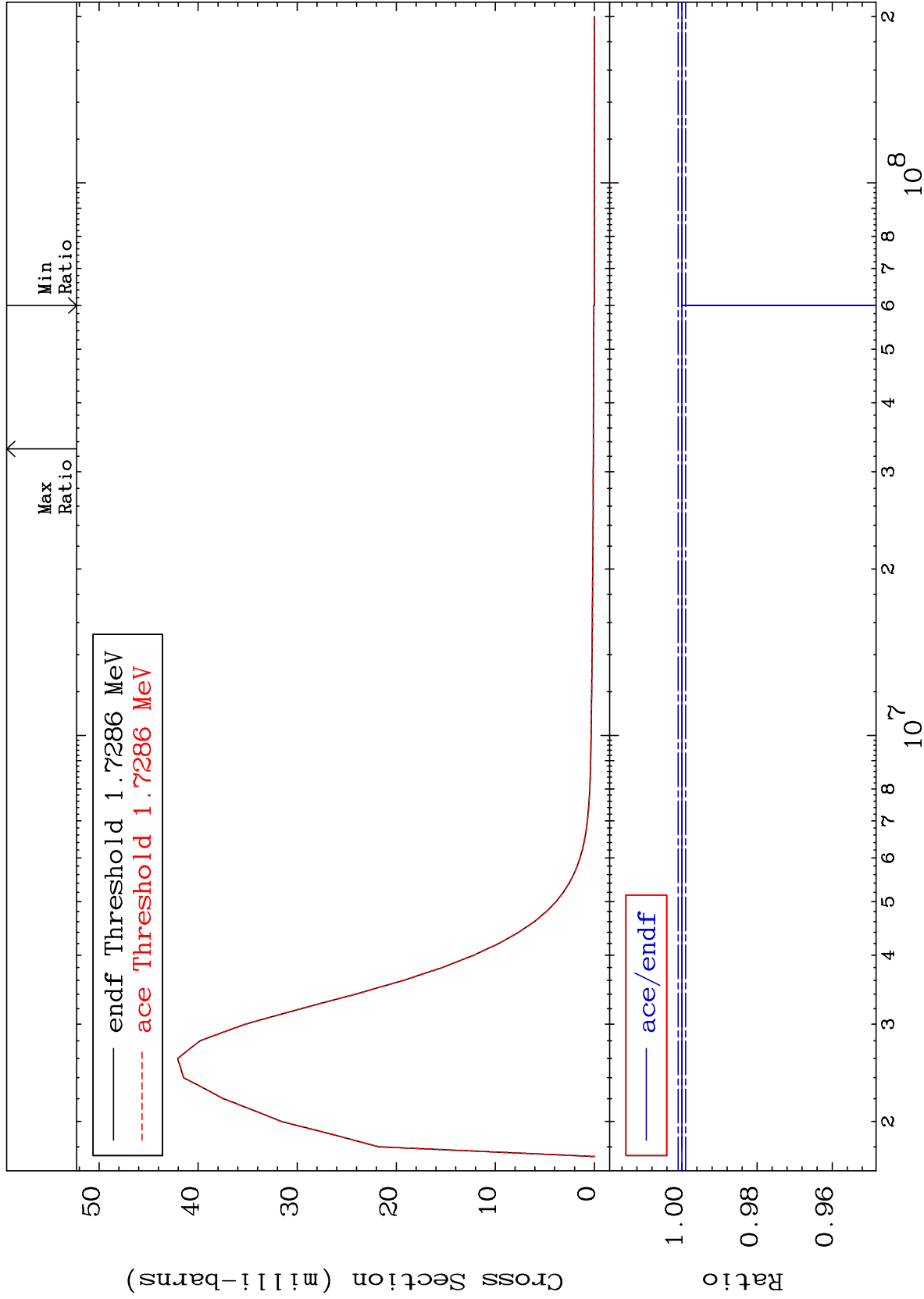
57-La-139
-100.0 To 0.000 %



MAT 5728

1.716 MeV (n,n') Level
Cross Section

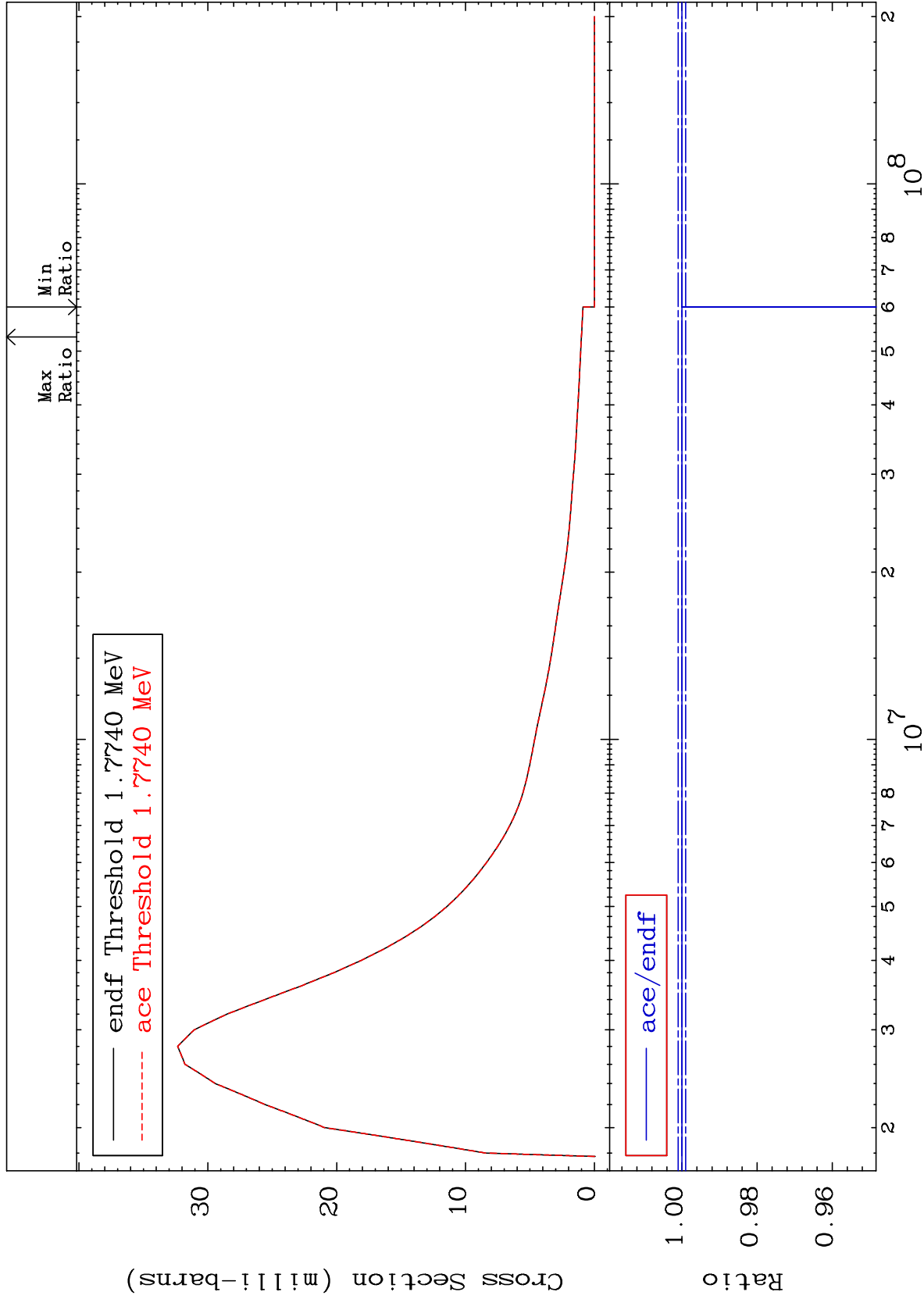
57-La-139
-100.0 To 0.000 %



MAT 5728

1.761 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



35

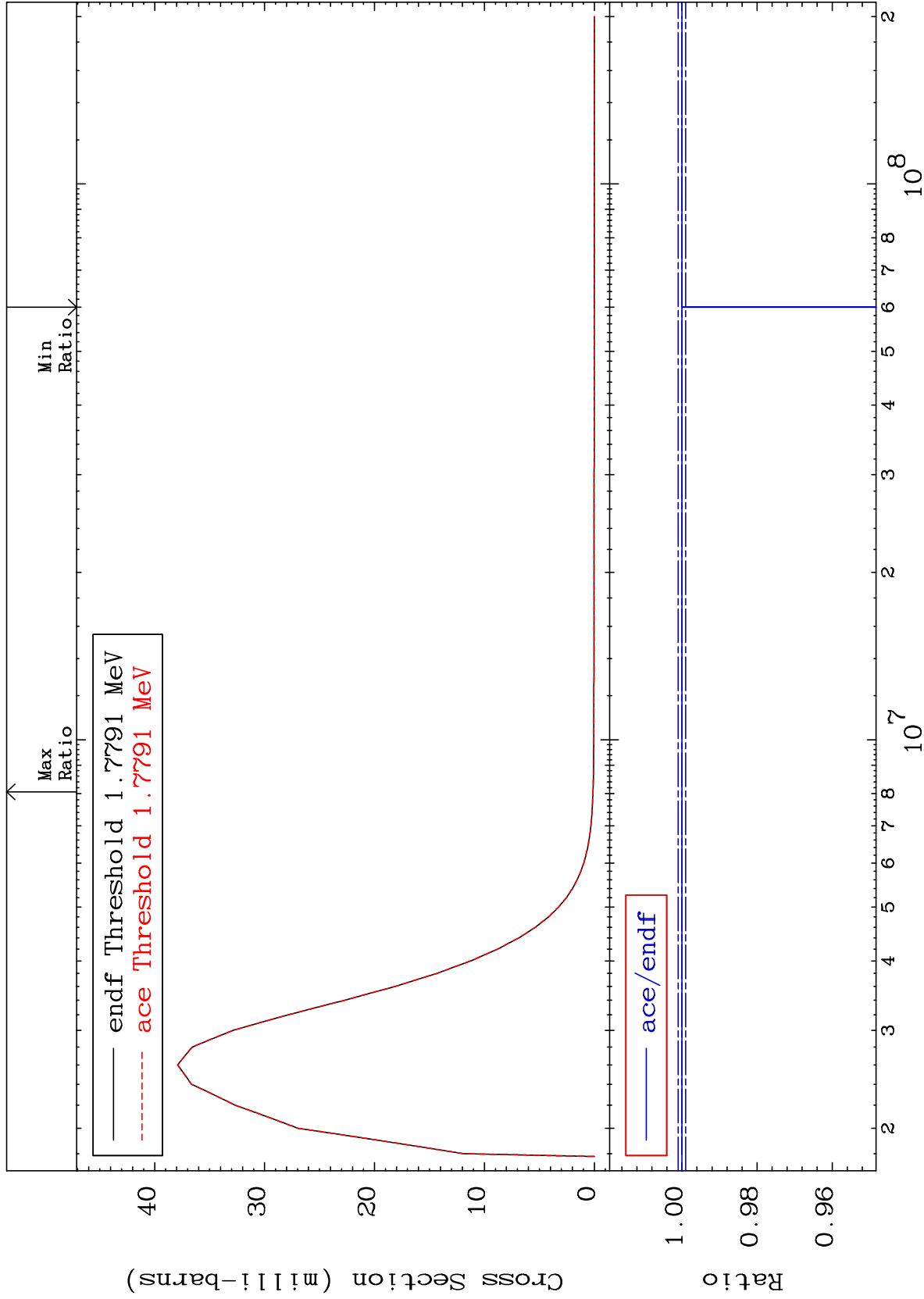
Incident Energy (eV)

57-La-139

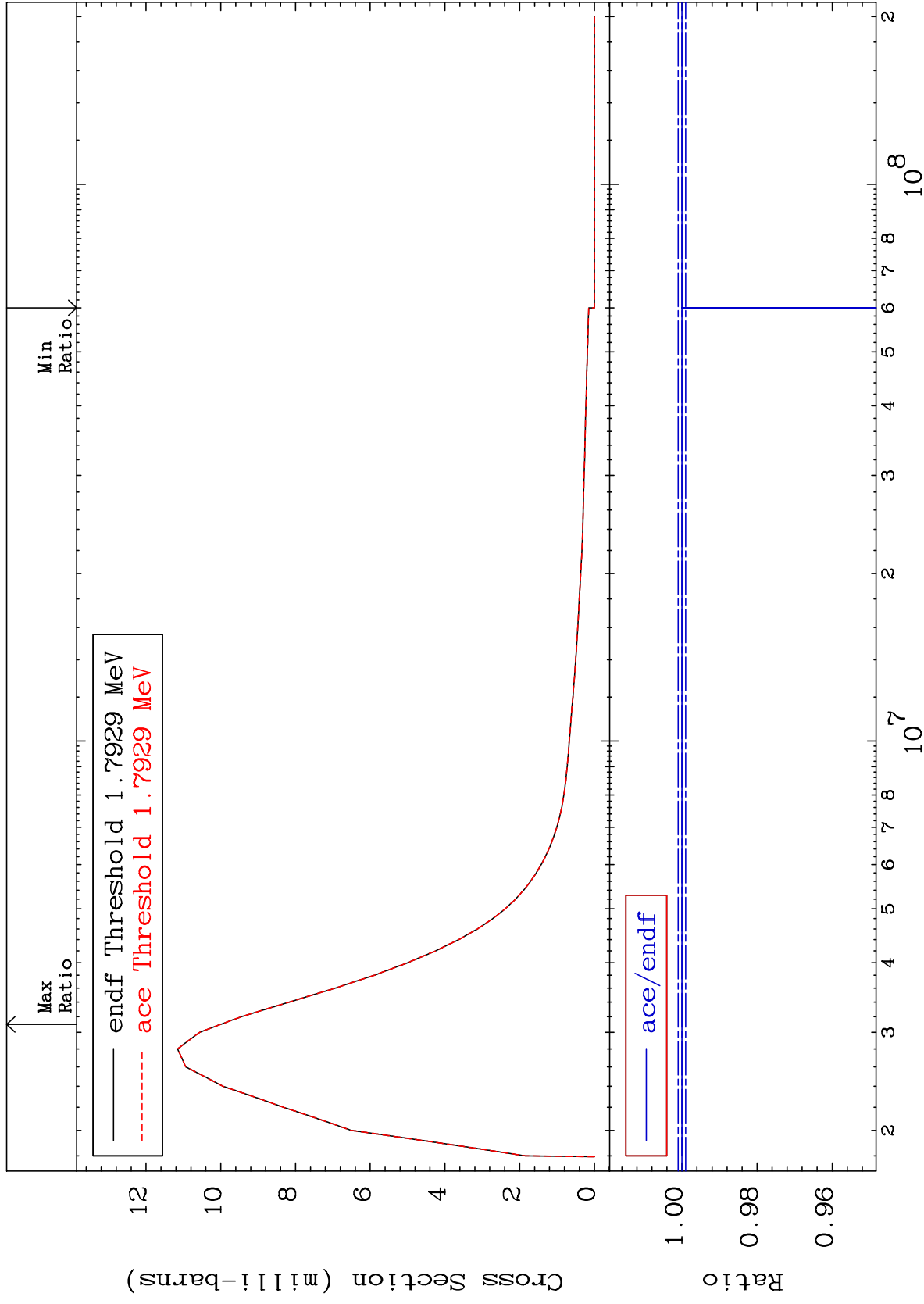
MAT 5728

1.766 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



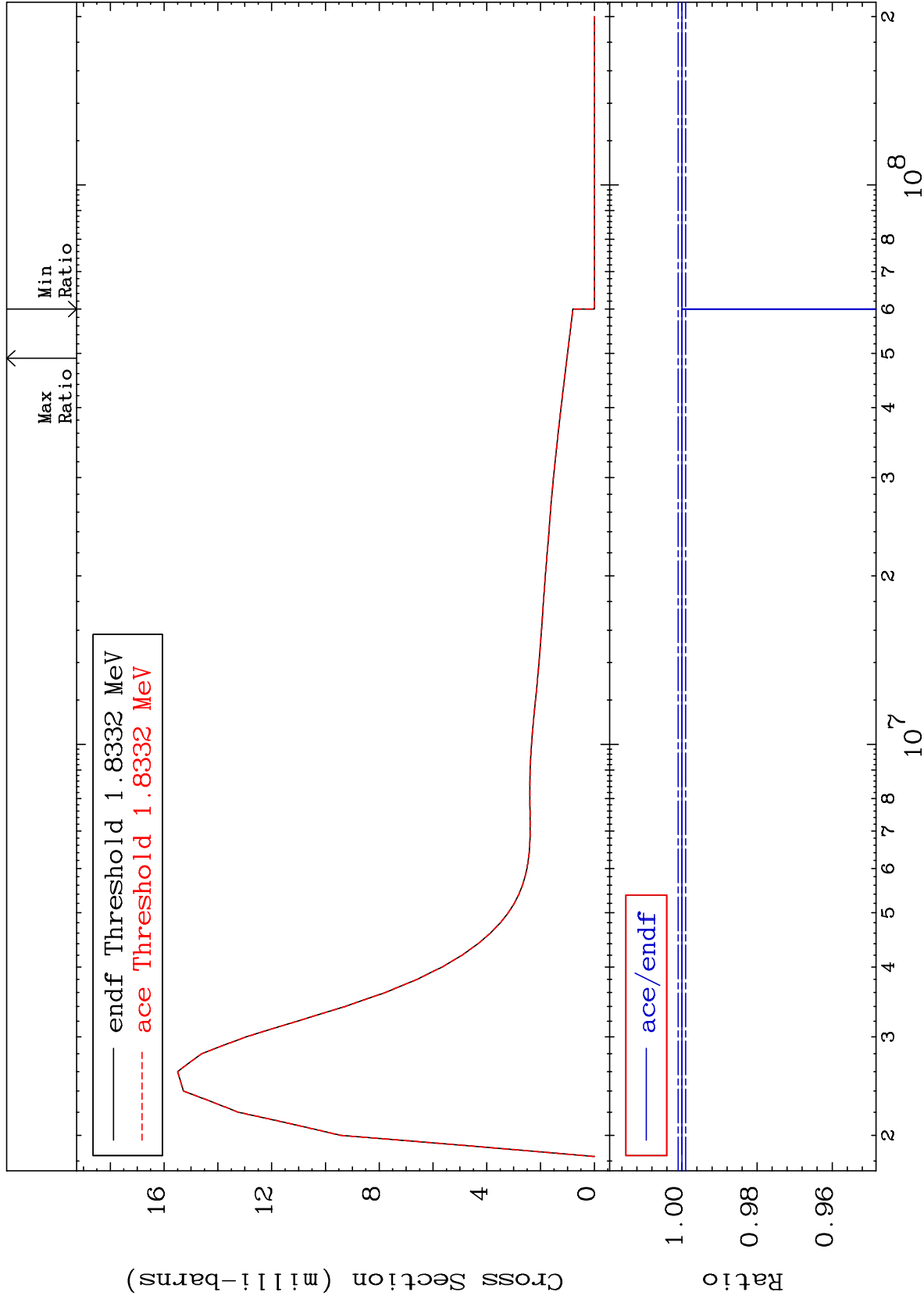
MAT 5728 1.780 MeV (n,n') Level 57-La-139
 Cross Section -100.0 To 0.000 %



MAT 5728

1.820 MeV (n,n') Level
Cross Section

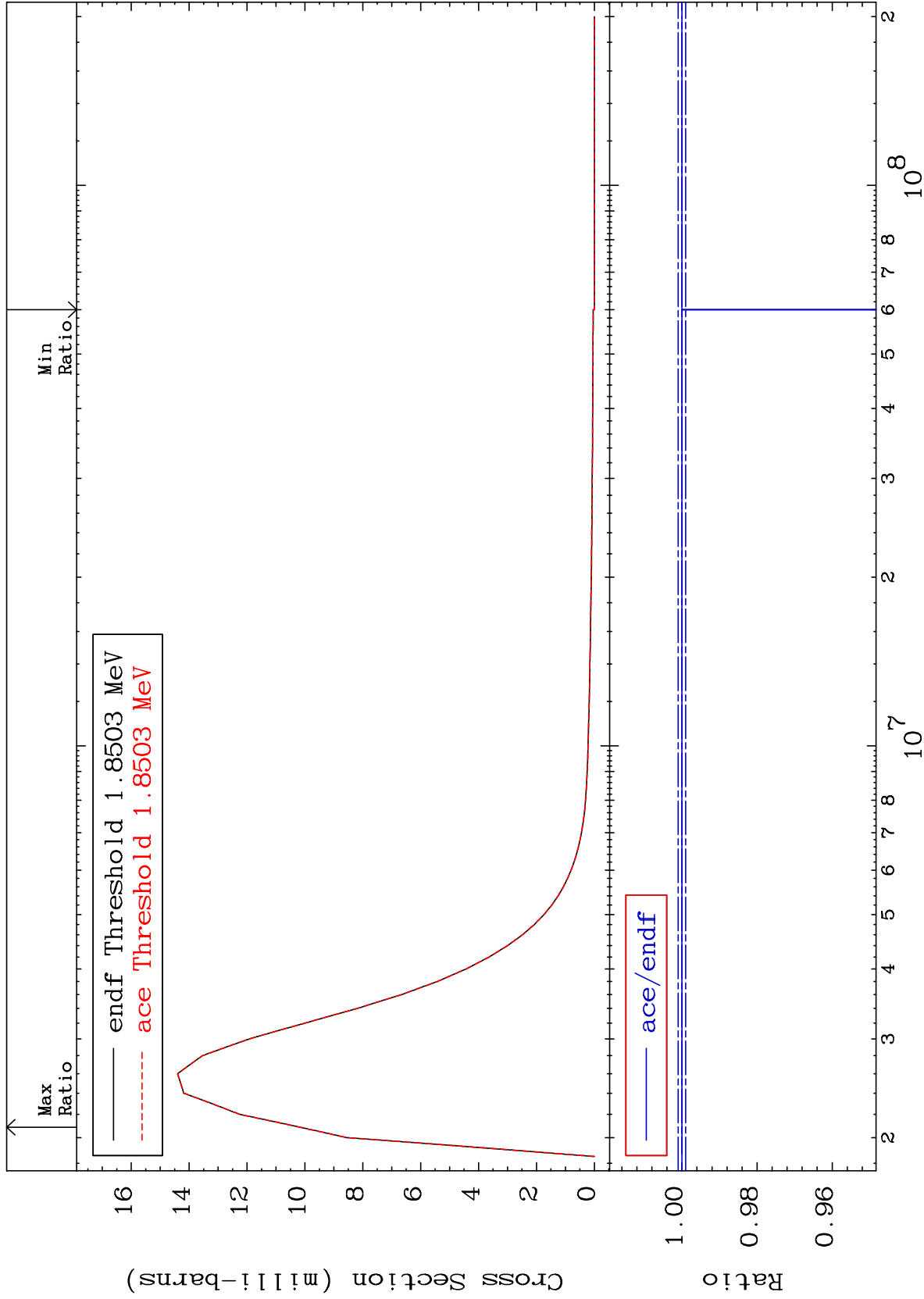
57-La-139
-100.0 To 0.000 %



MAT 5728

1.837 MeV (n,n') Level
Cross Section

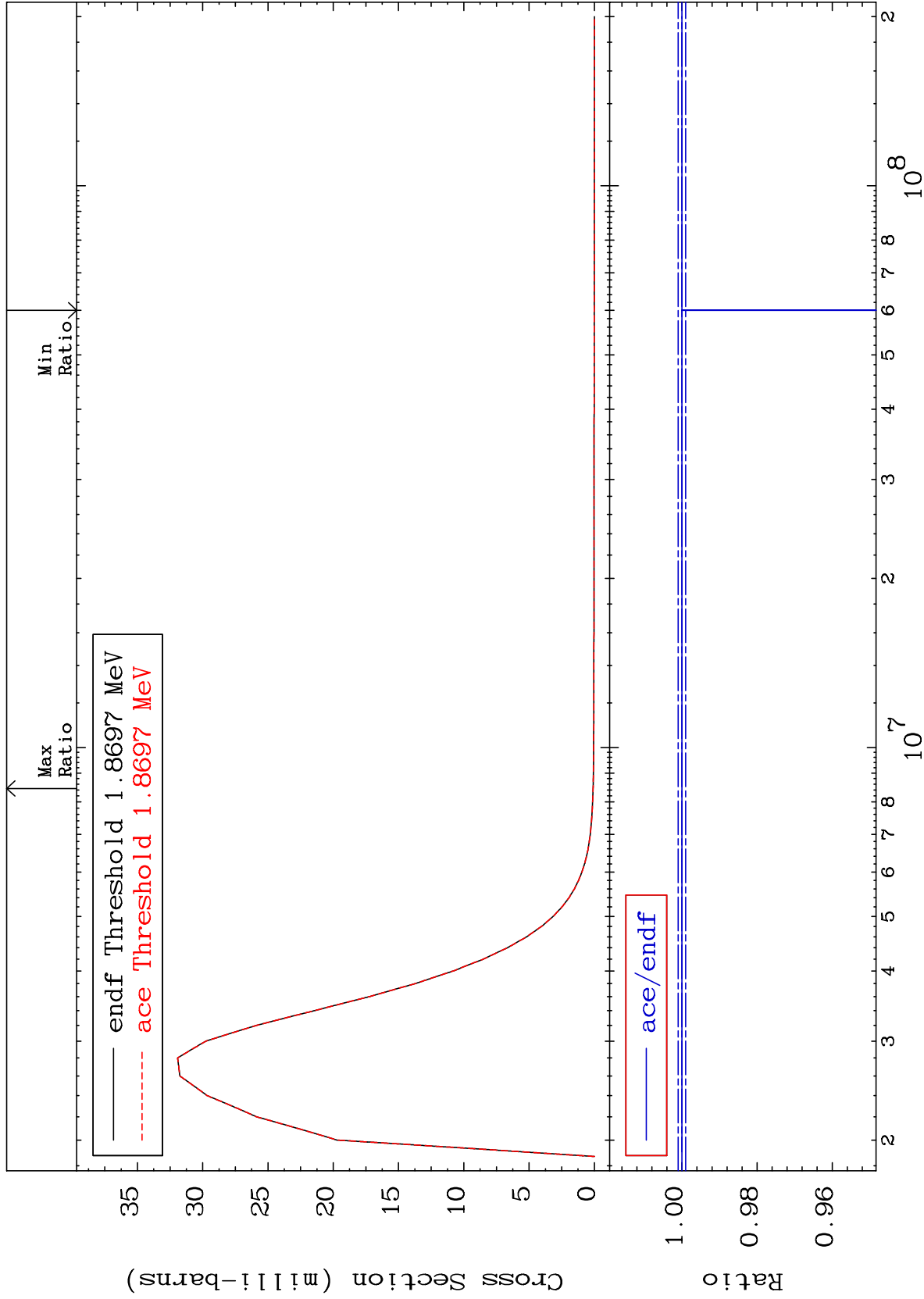
57-La-139
-100.0 To 0.000 %



MAT 5728

1.856 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



40

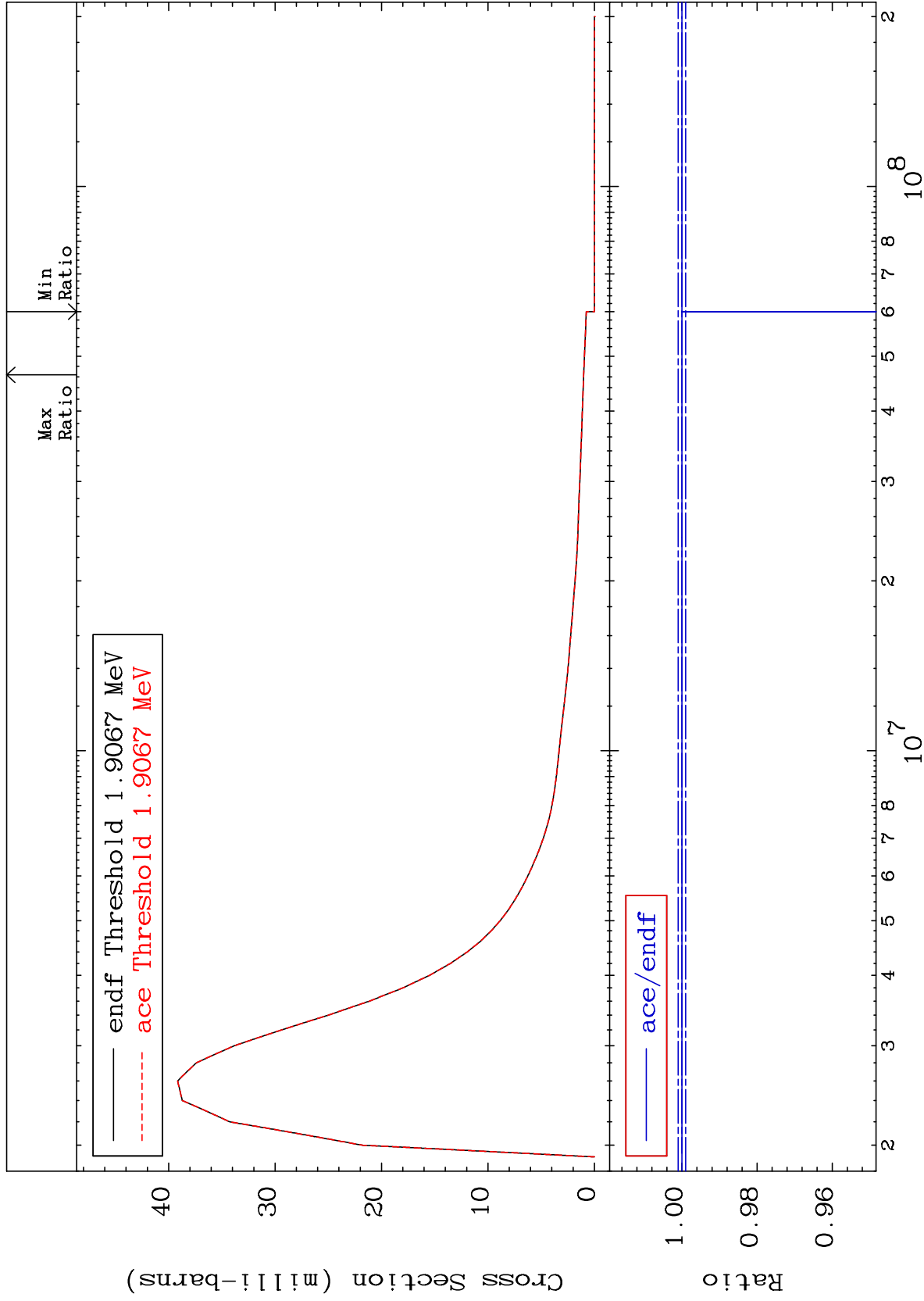
Incident Energy (eV)

57-La-139

MAT 5728

1.893 MeV (n,n') Level
Cross Section

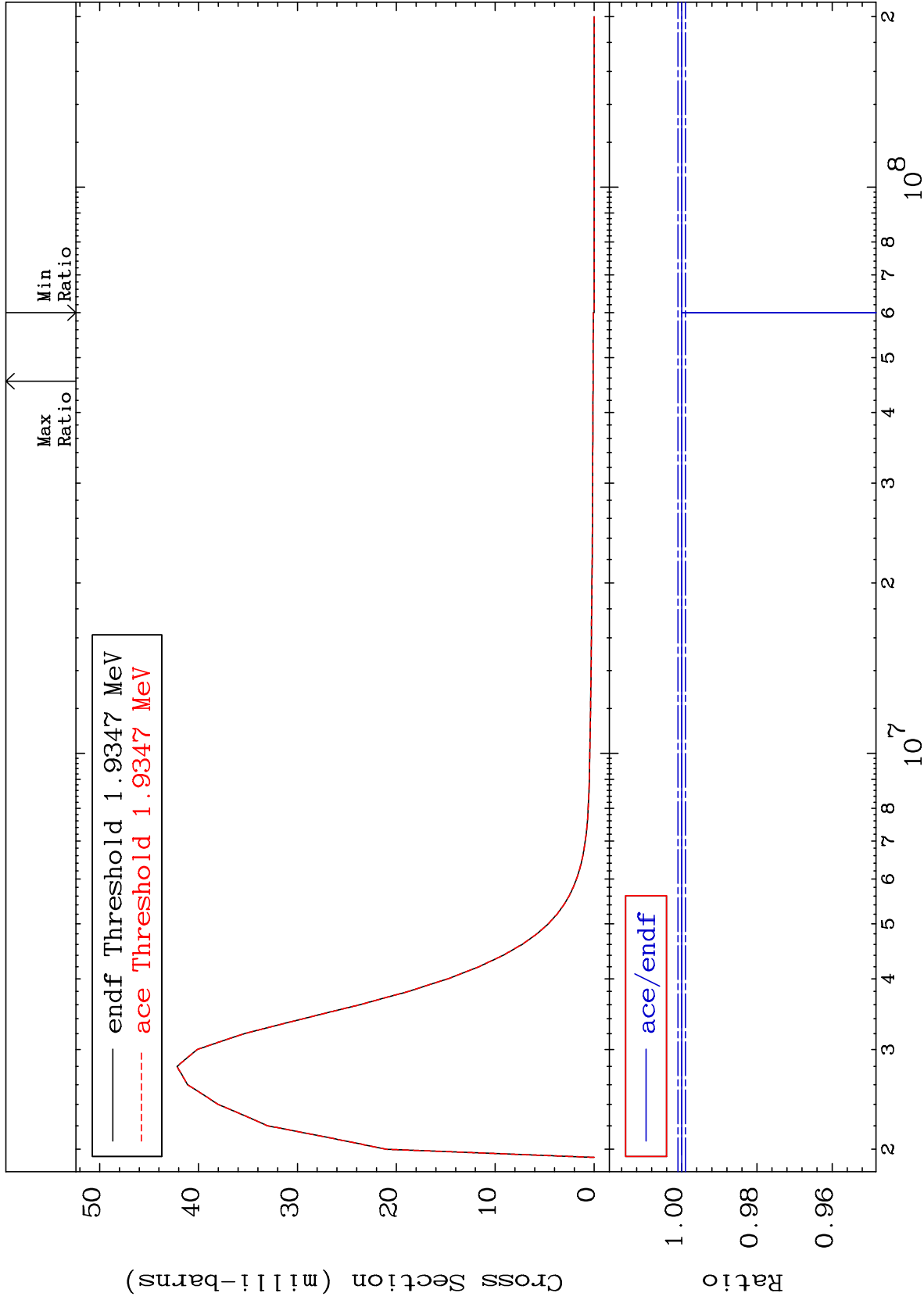
57-La-139
-100.0 To 0.000 %



MAT 5728

1.921 MeV (n,n') Level
Cross Section

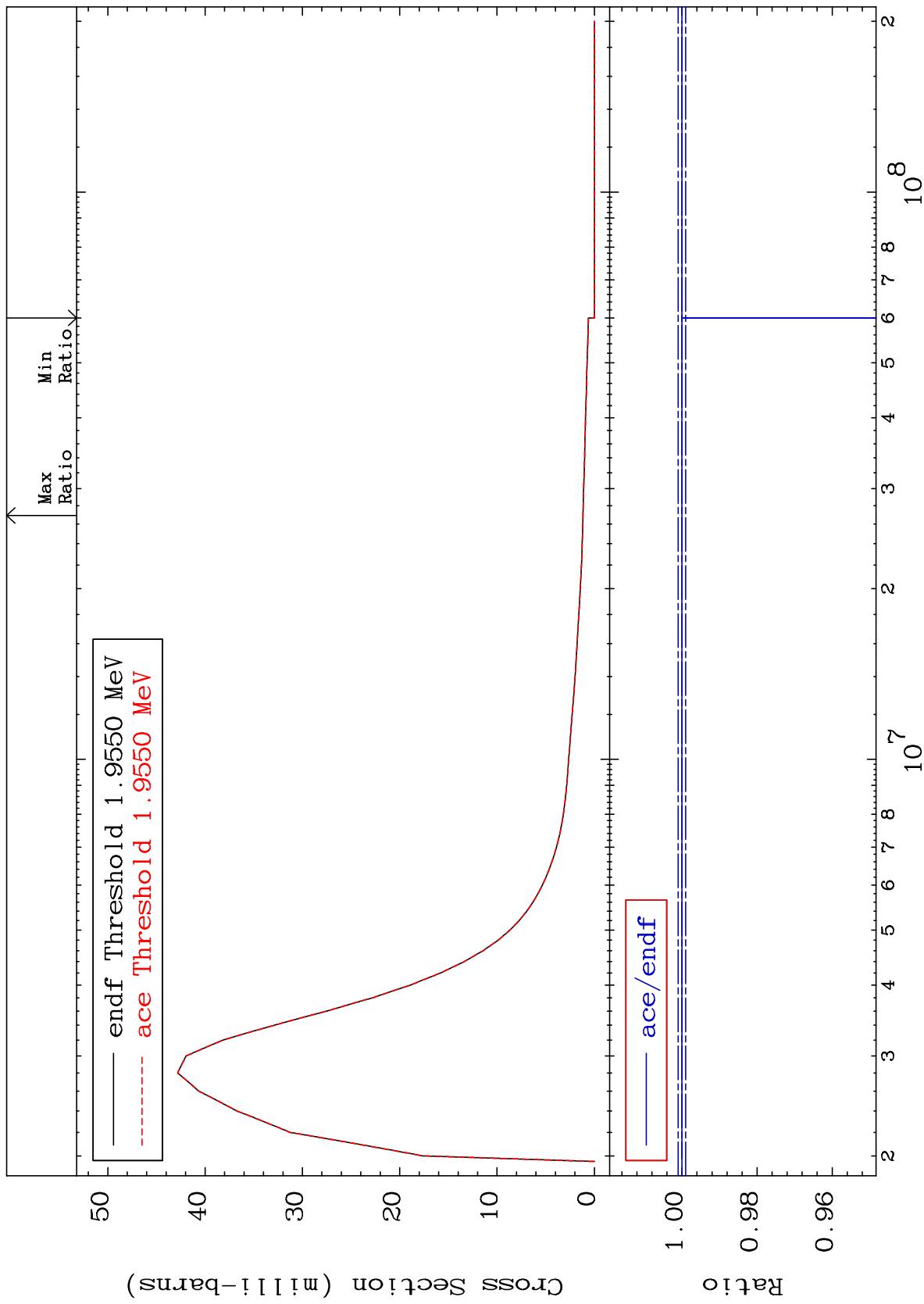
57-La-139
-100.0 To 0.000 %



MAT 5728

1.941 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



43

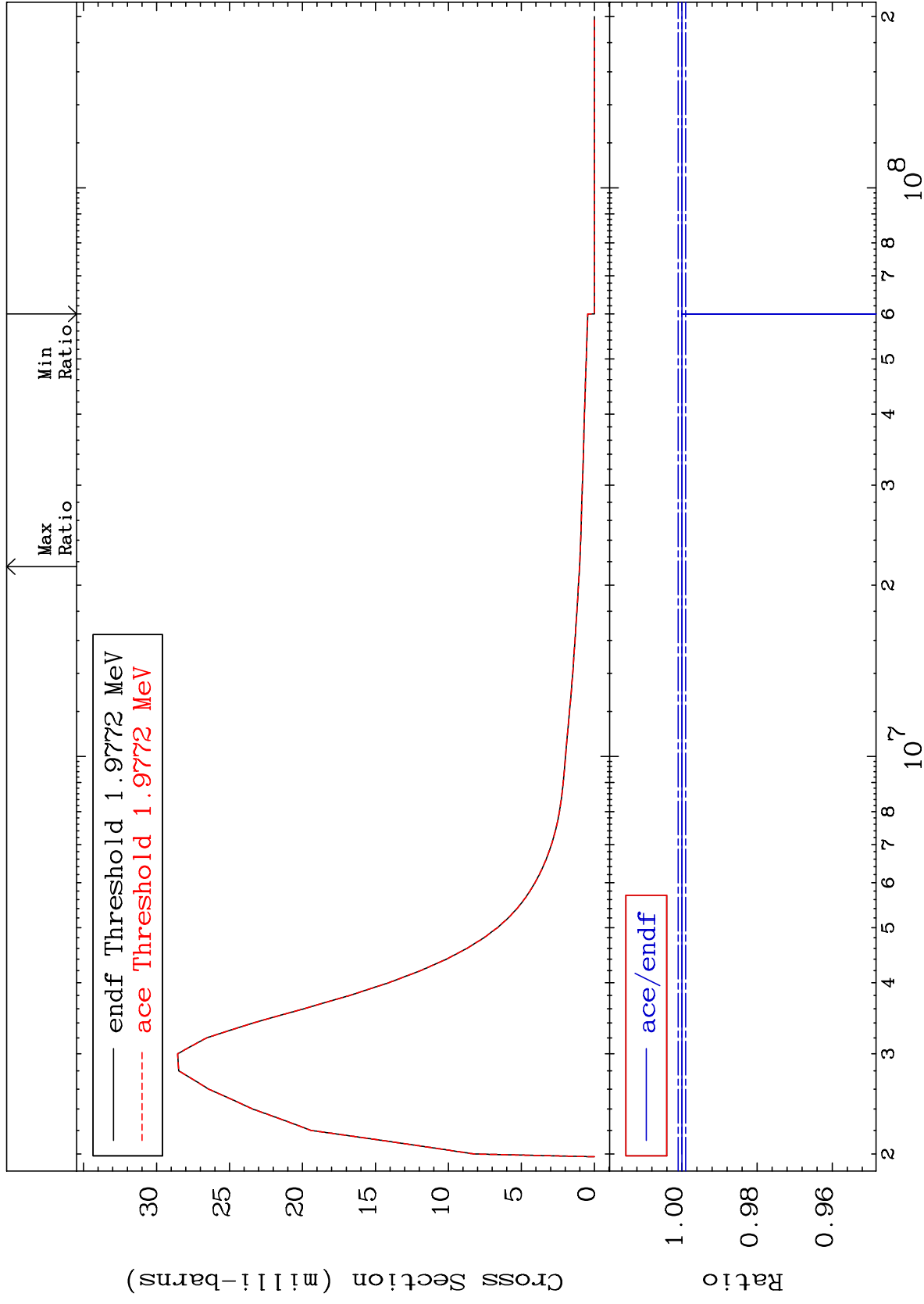
Incident Energy (eV)

57-La-139

MAT 5728

1.963 MeV (n,n') Level
Cross Section

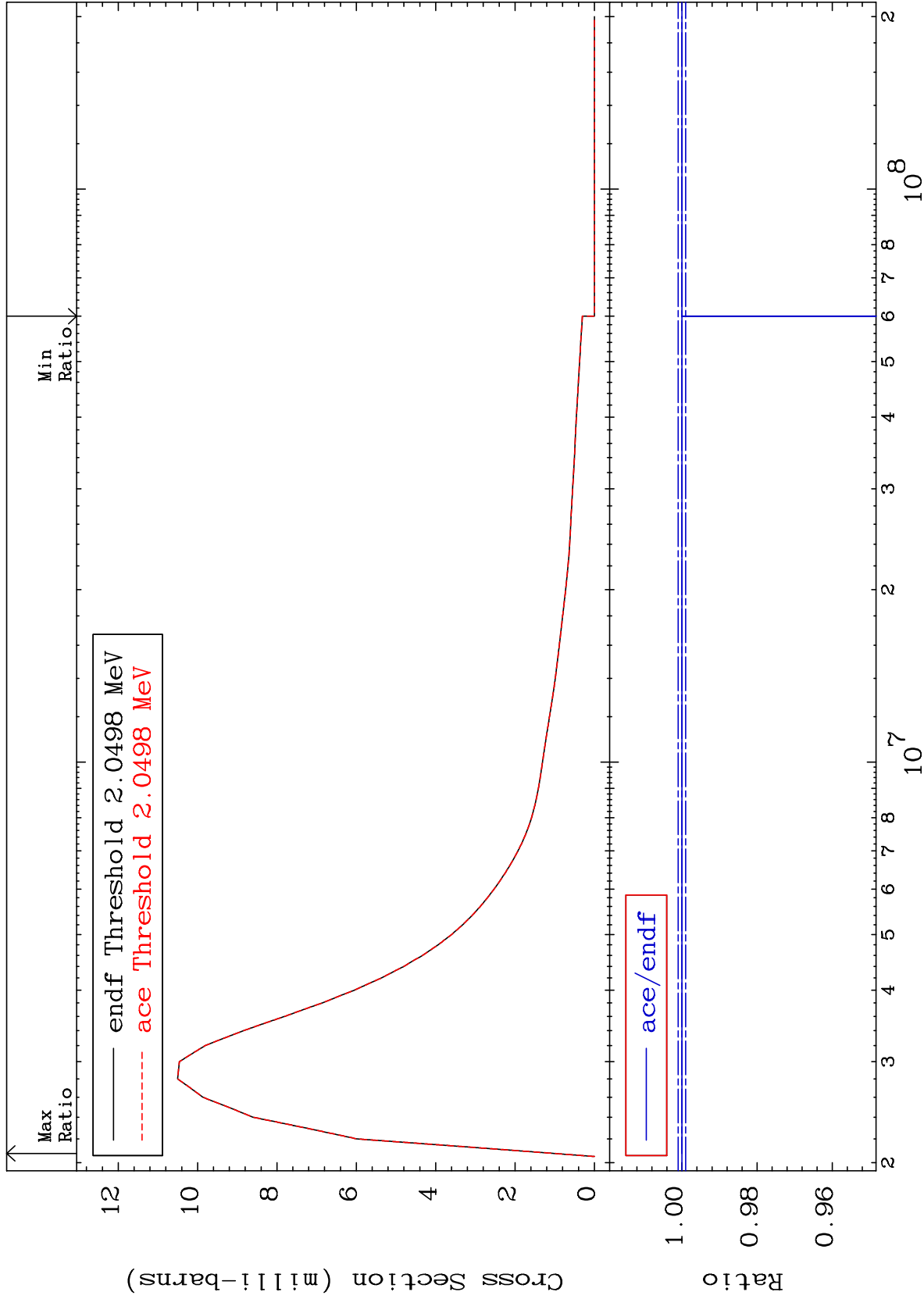
57-La-139
-100.0 To 0.000 %



MAT 5728

2.035 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



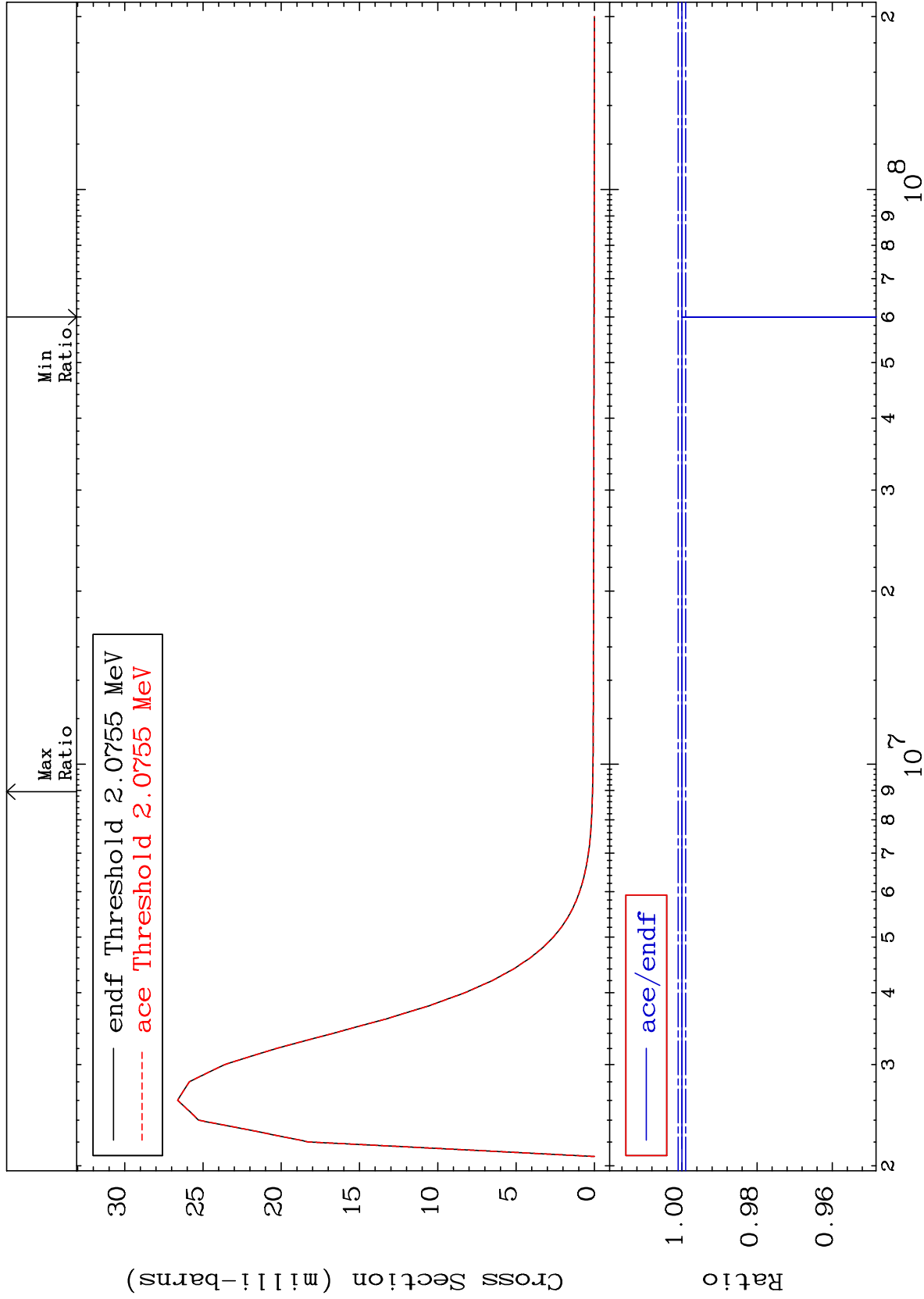
45

57-La-139

MAT 5728

2.061 MeV (n,n') Level
Cross Section

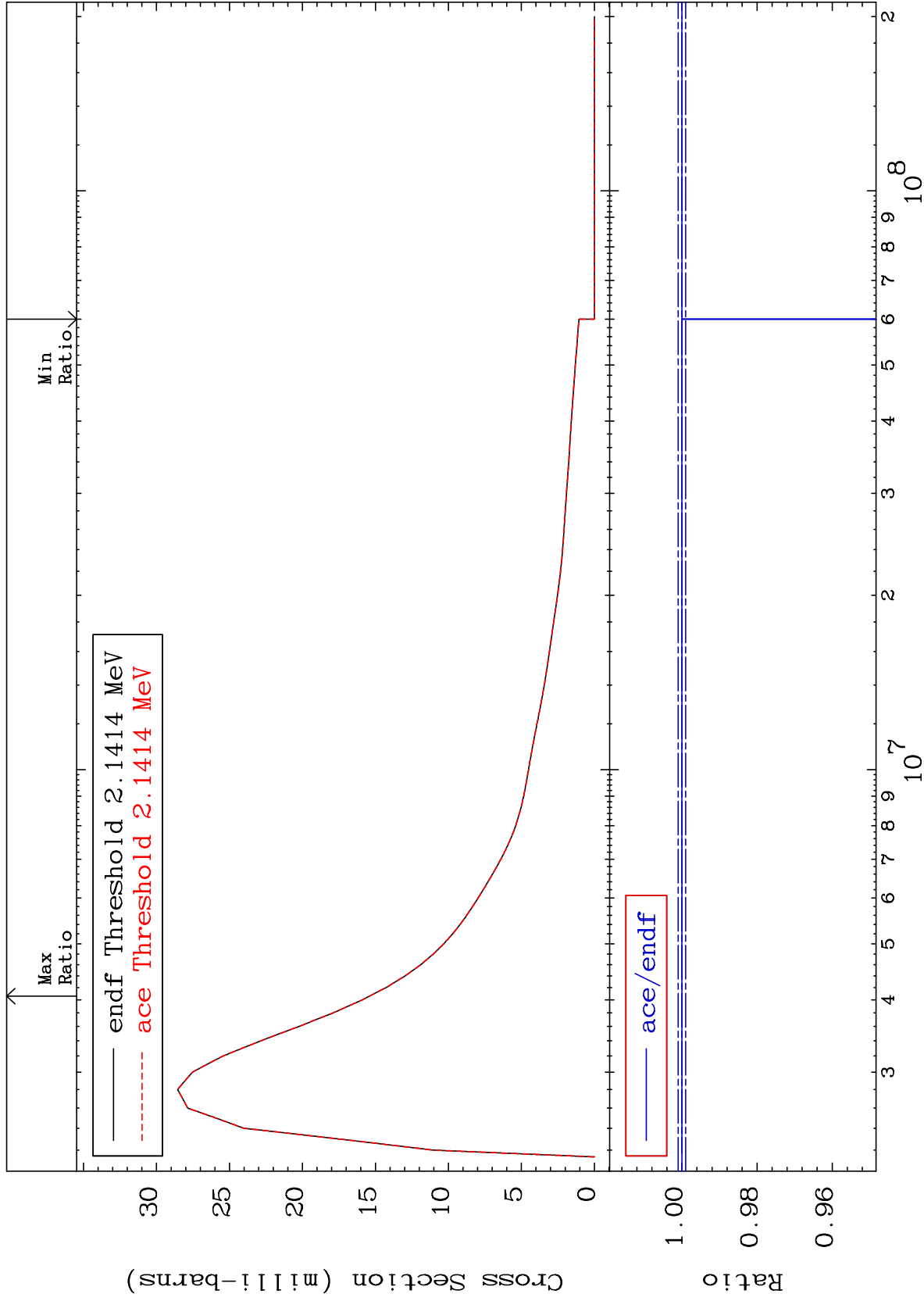
57-La-139
-100.0 To 0.000 %



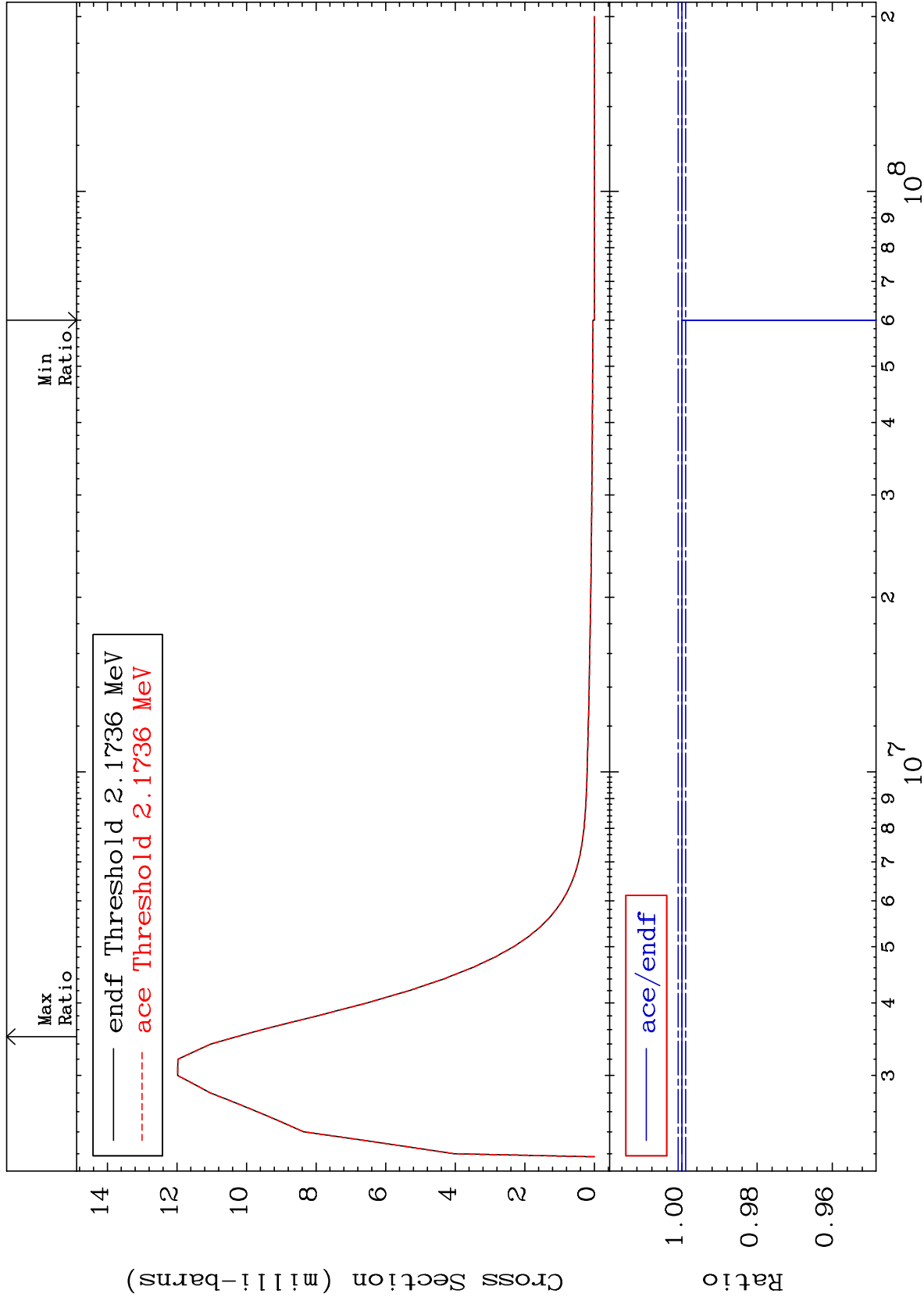
MAT 5728

2.126 MeV (n,n') Level
Cross Section

57-La-139
-100.0 To 0.000 %



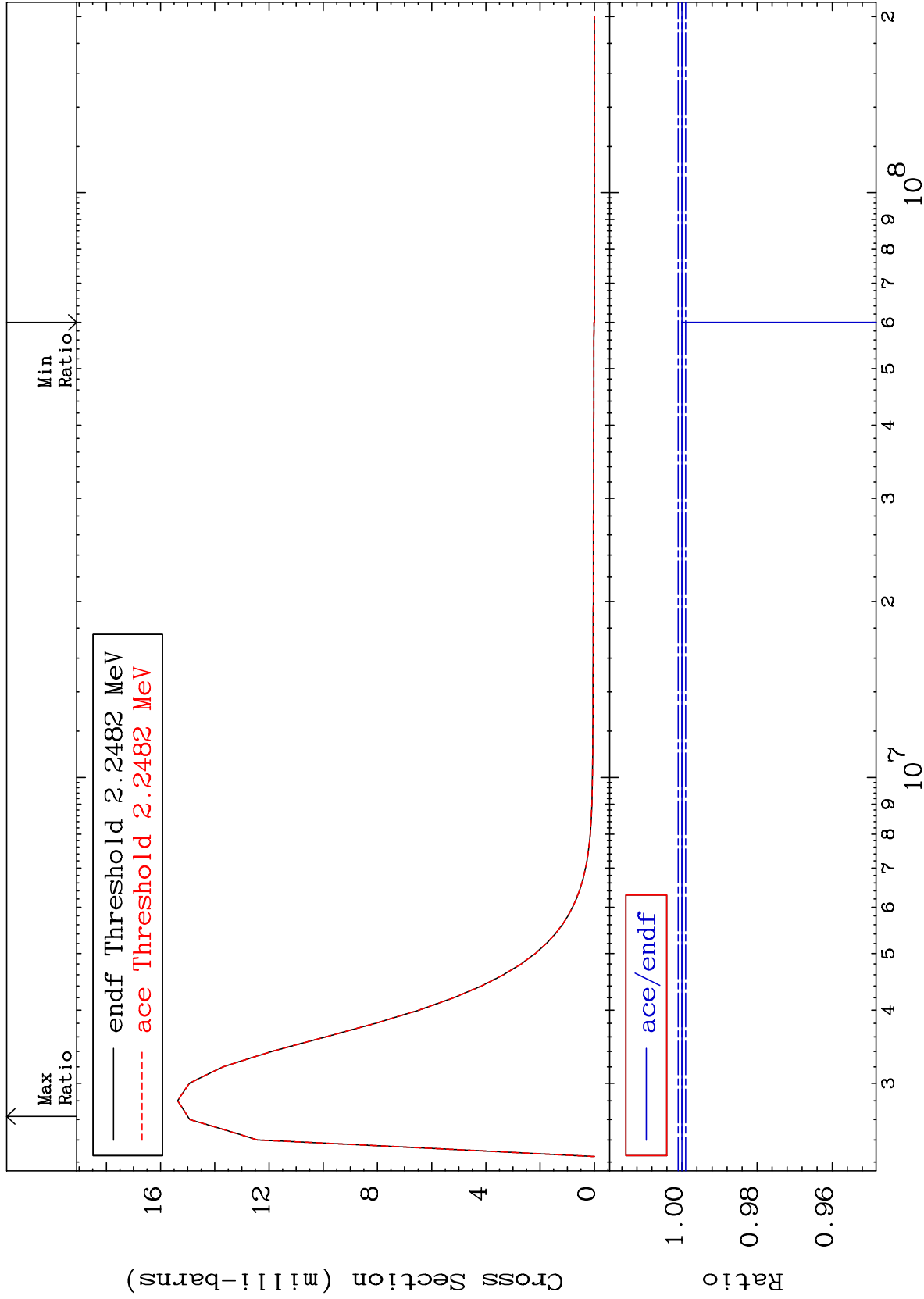
MAT 5728 2.158 MeV (n,n') Level 57-La-139
 Cross Section -100.0 To 0.000 %



MAT 5728

2.232 MeV (n,n') Level
Cross Section

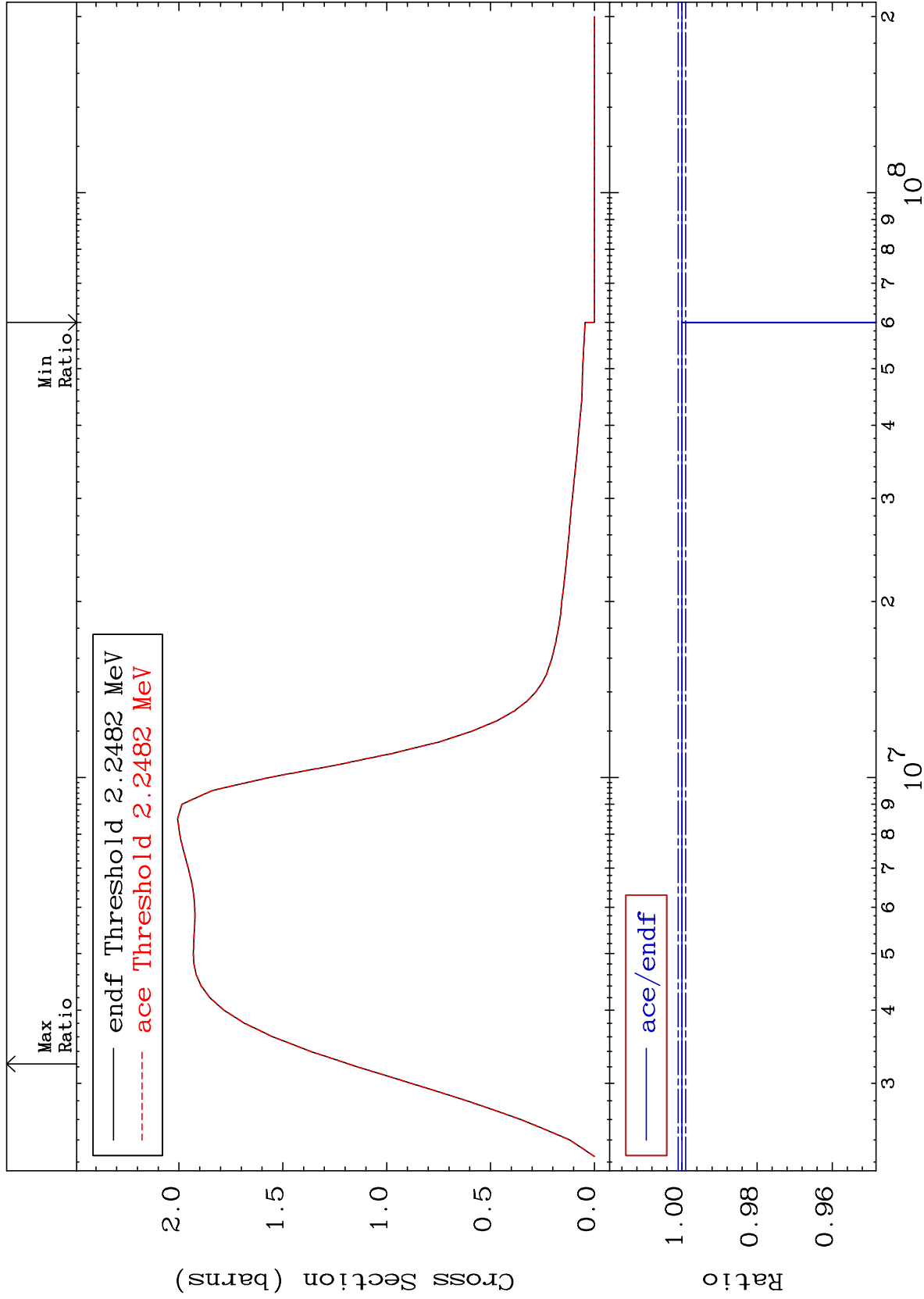
57-La-139
-100.0 To 0.000 %



MAT 5728

(n, n') Continuum
Cross Section

57-La-139
-100.0 To 0.000 %



50

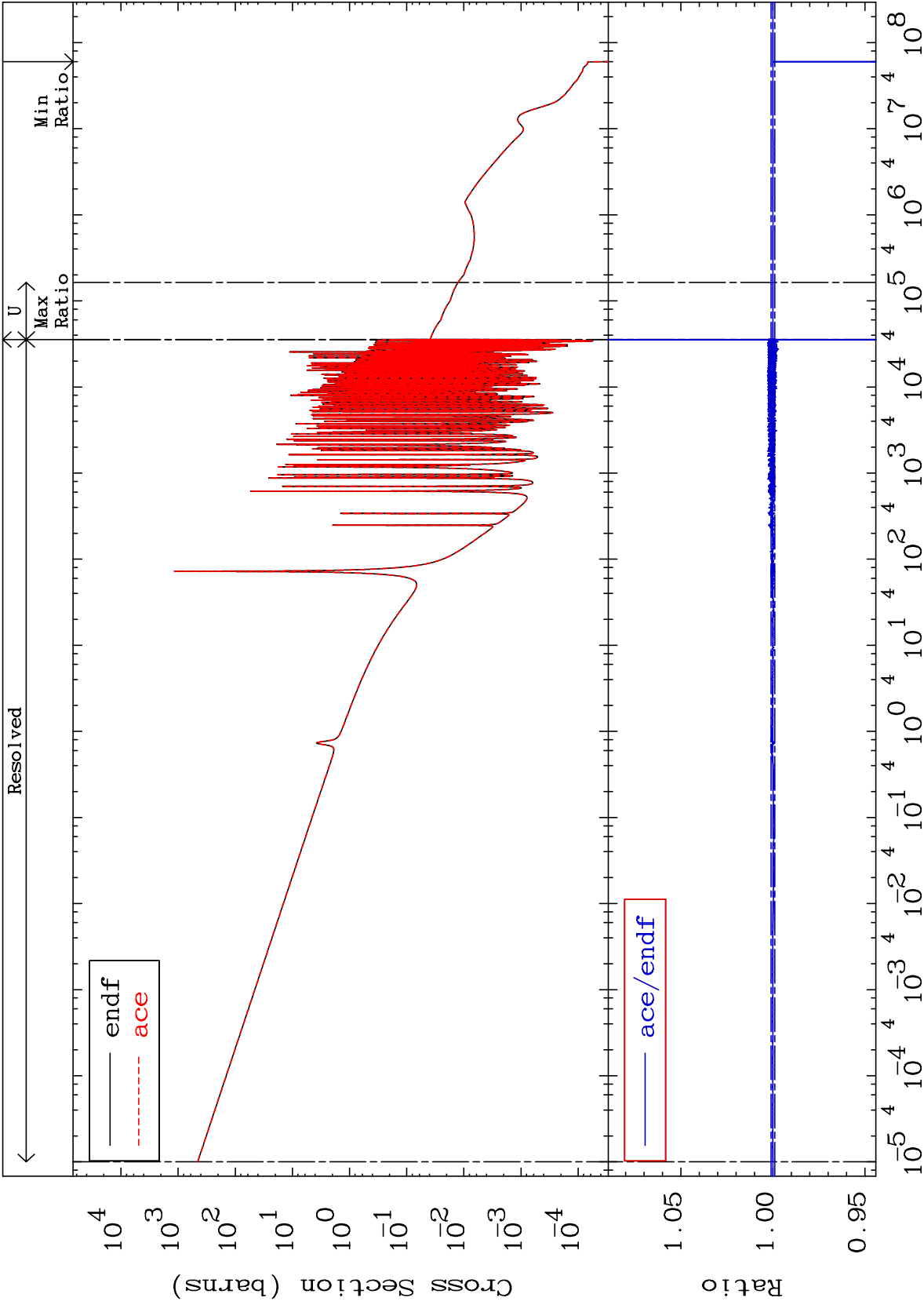
Incident Energy (eV)

57-La-139

MAT 5728

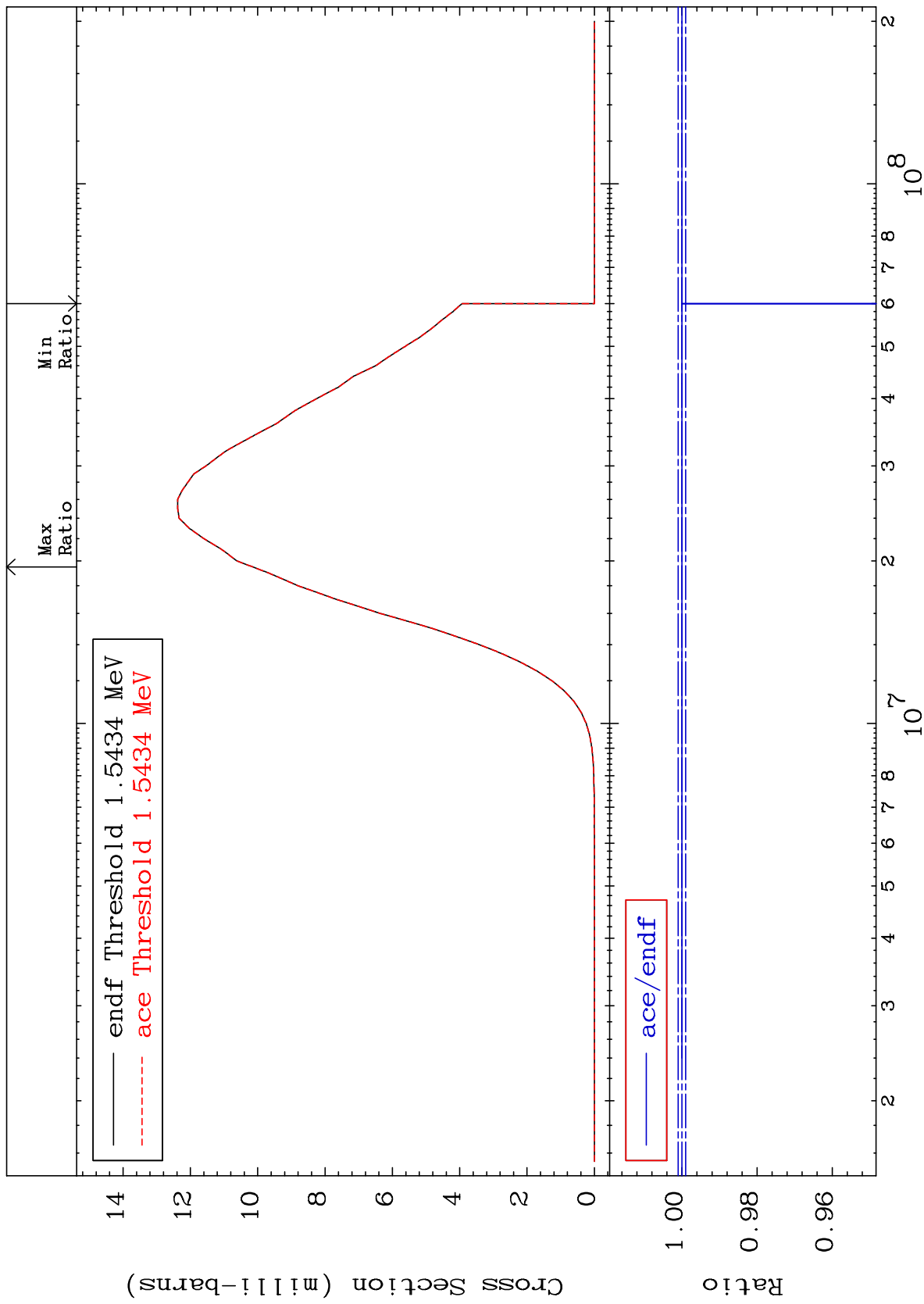
(n, γ)
Cross Section

57-La-139
-100.0 To 149.9 %



MAT 5728

(n,p)
Cross Section
57-La-139
-100.0 To 0.000 %



52

57-La-139

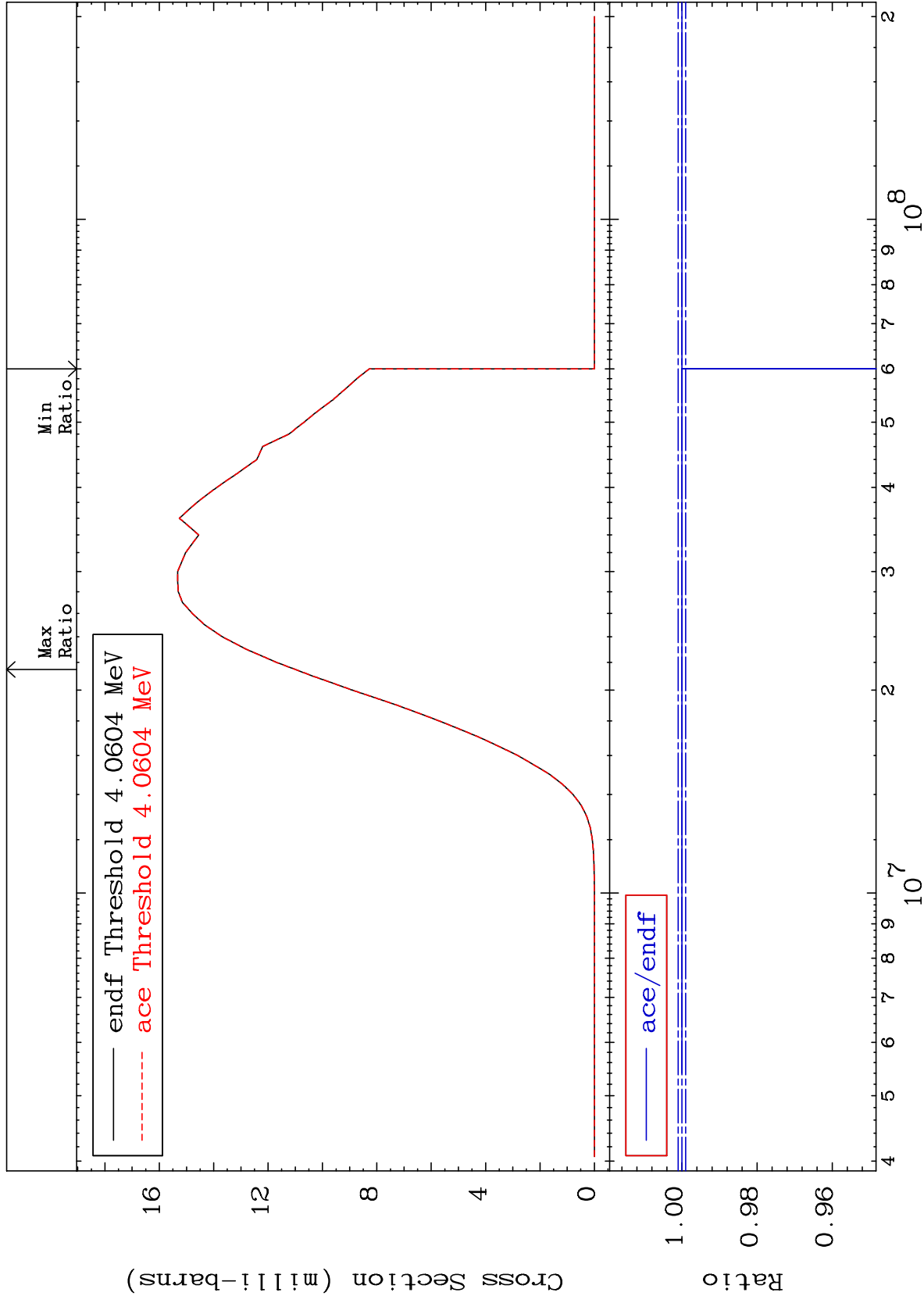
MAT 5728

57-La-139

-100.0 To 0.000 %

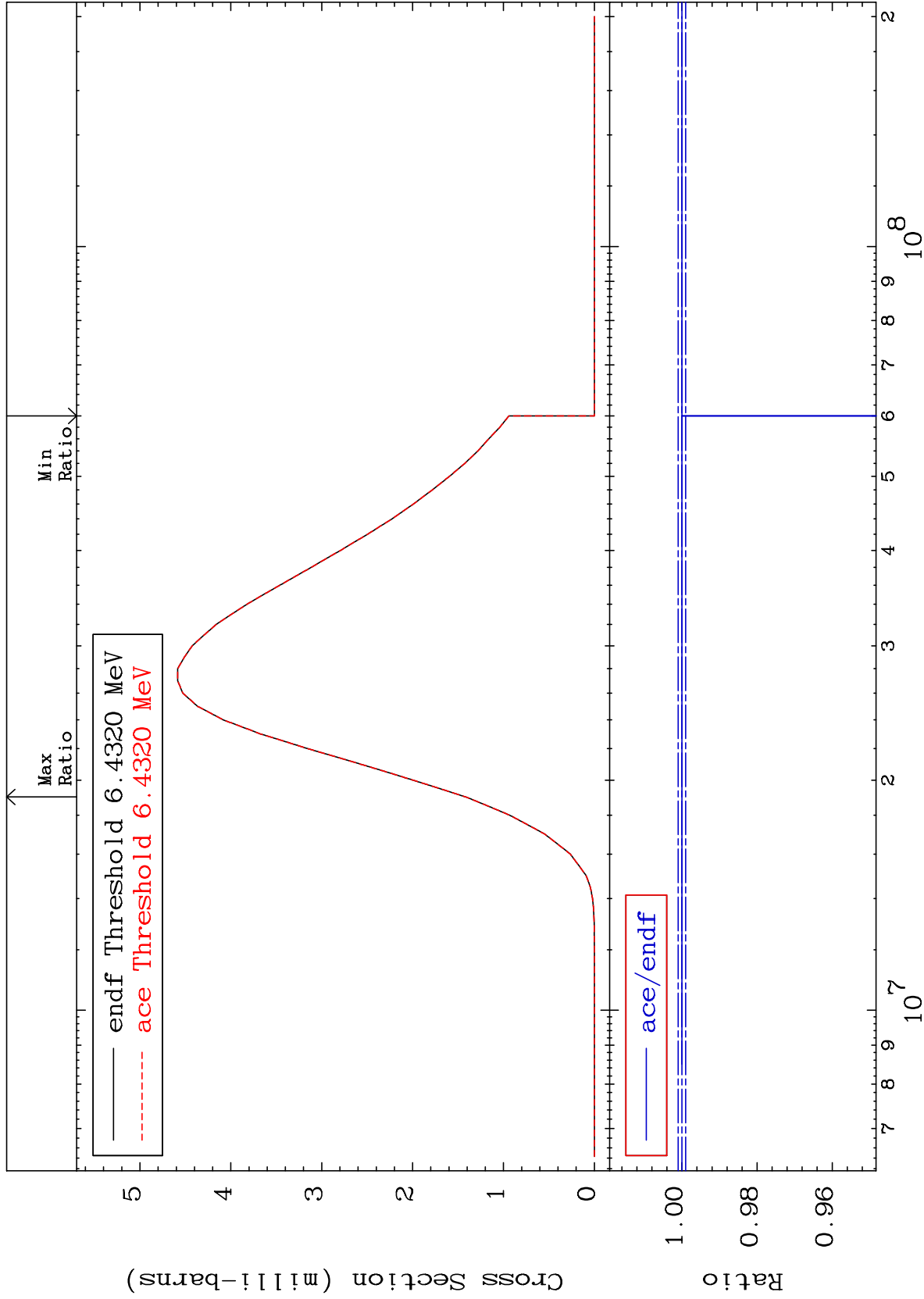
(n, d)

Cross Section



MAT 5728

(n, t)
Cross Section
57-La-139
-100.0 To 0.000 %



54

57-La-139

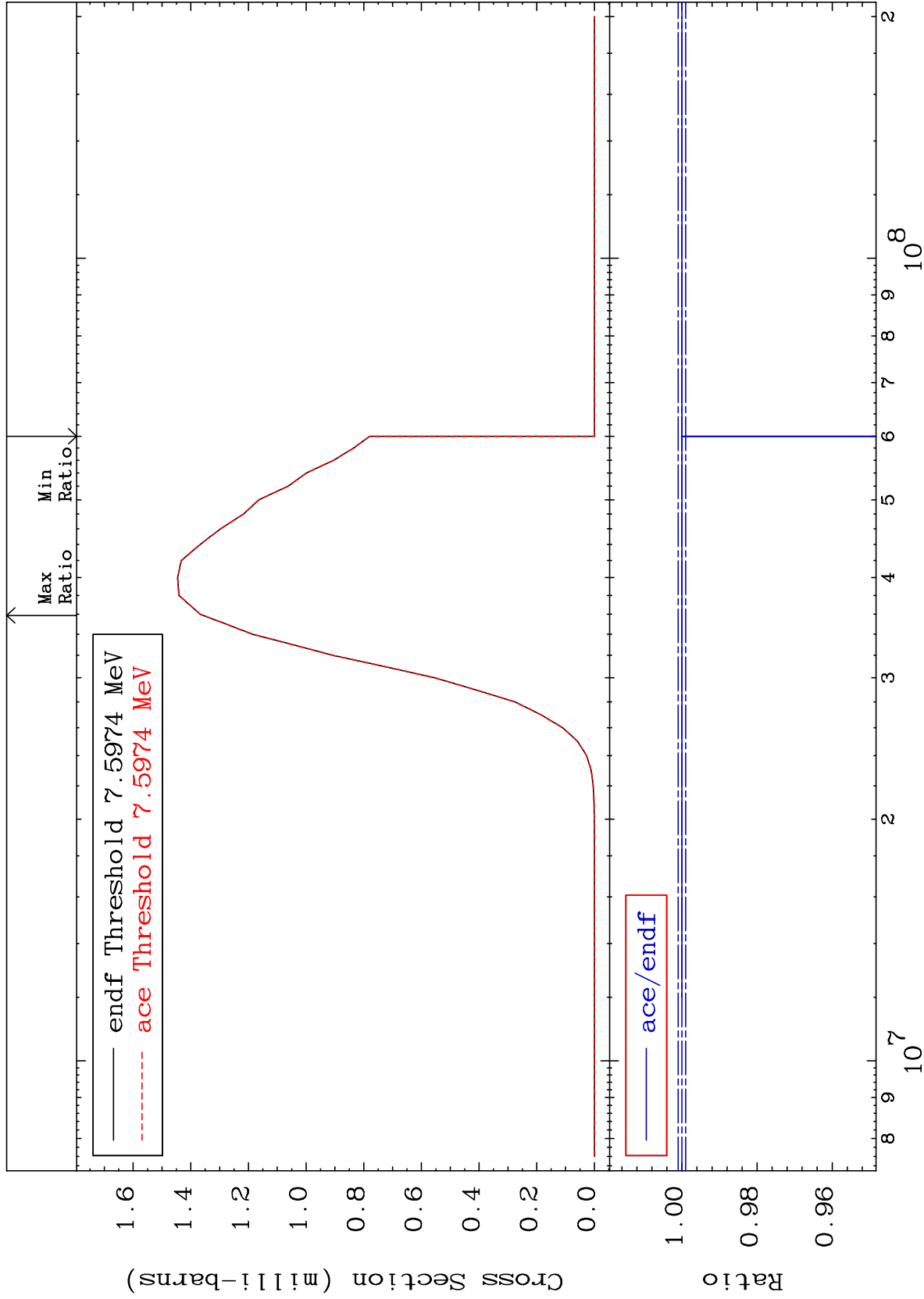
MAT 5728

(n, He-3)

57-La-139

Cross Section

-100.0 To 0.000 %



55

Incident Energy (eV)

57-La-139

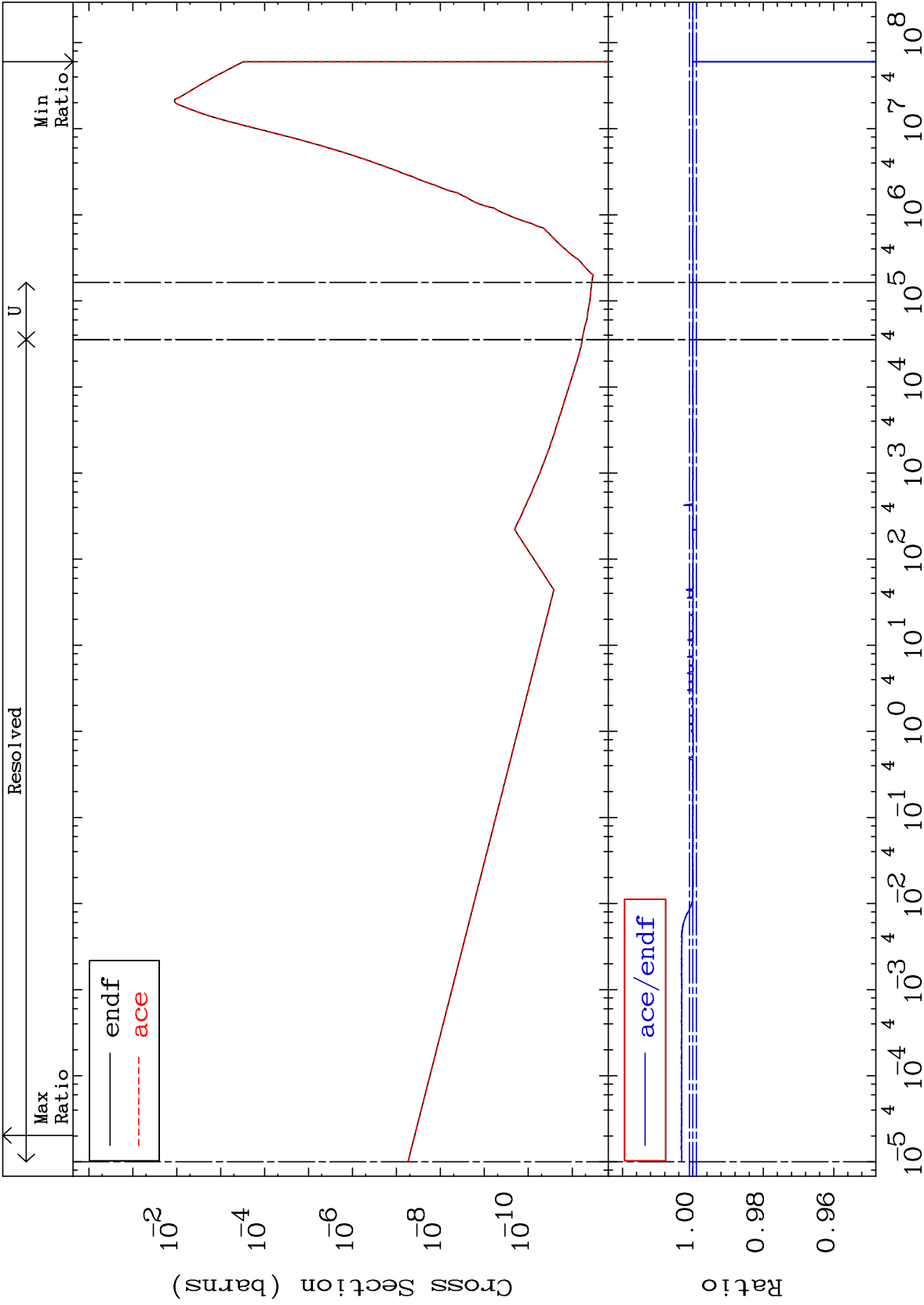
MAT 5728

(n, α)

57-La-139

Cross Section

-100.0 To 0.339 %



56

Incident Energy (eV)

57-La-139

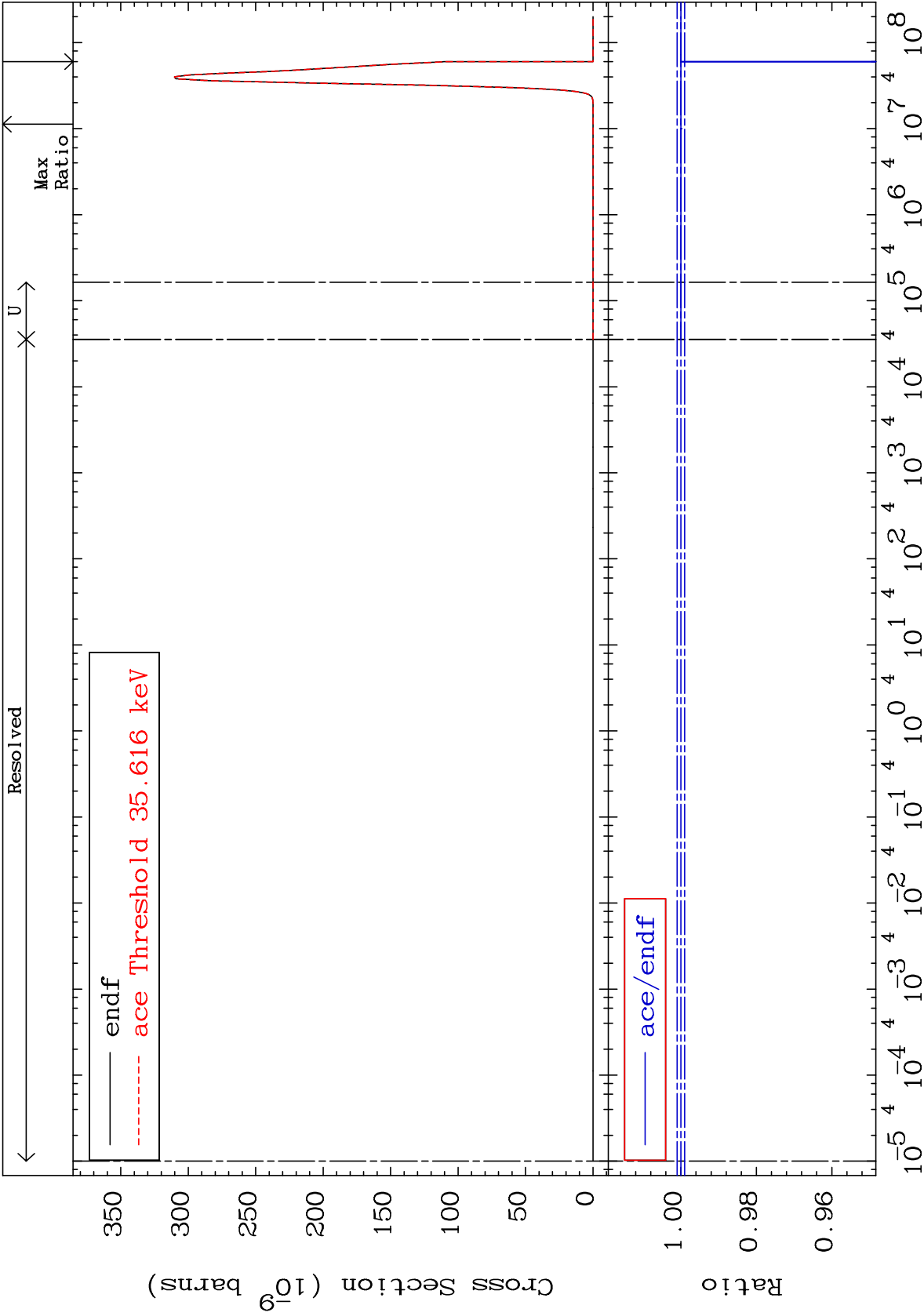
MAT 5728

(n, 2α)

57-La-139

Cross Section

-100.0 To 0.000 %



57

Incident Energy (eV)

57-La-139

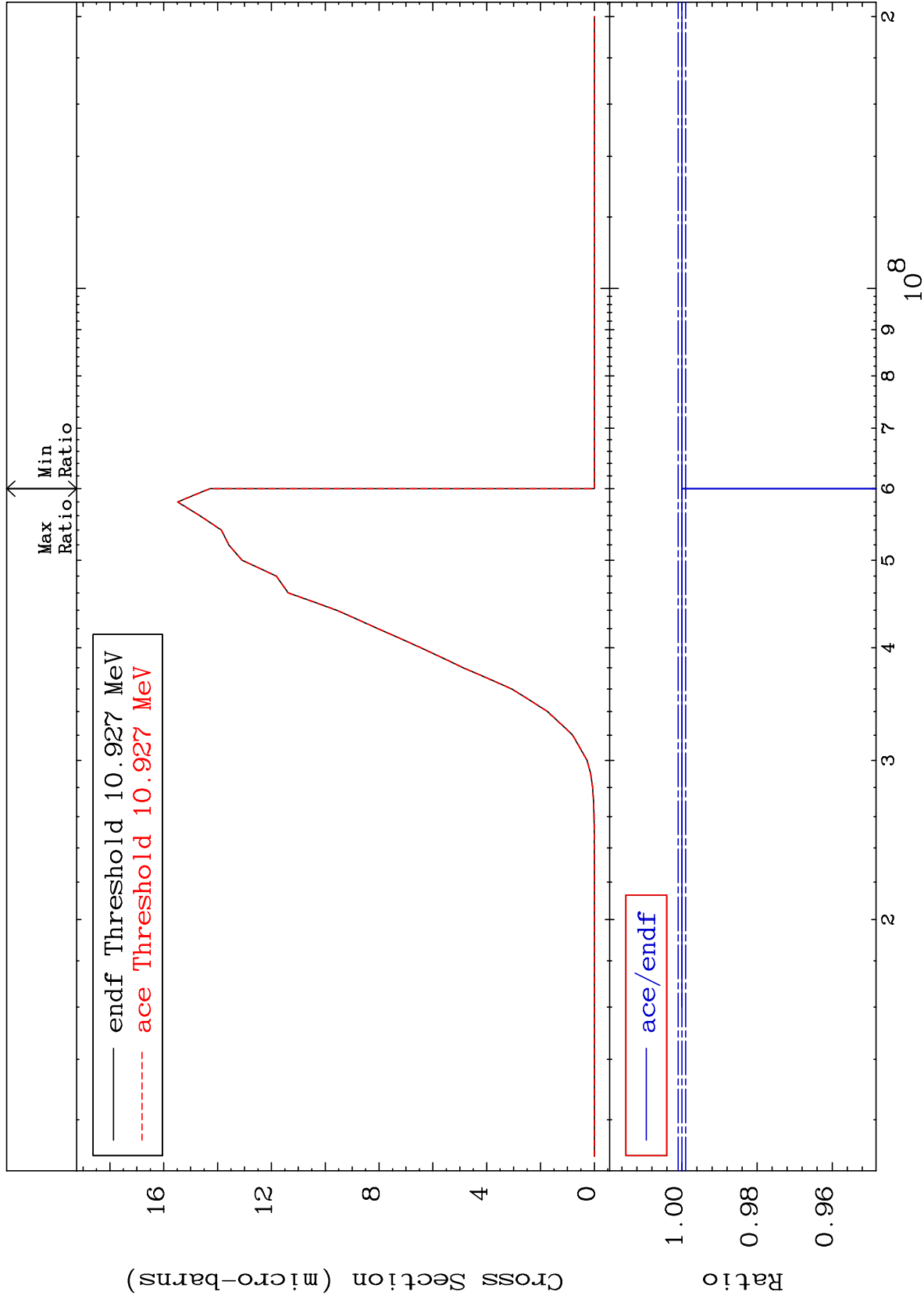
MAT 5728

(n,2p)

57-La-139

-100.0 To 0.000 %

Cross Section



58

57-La-139

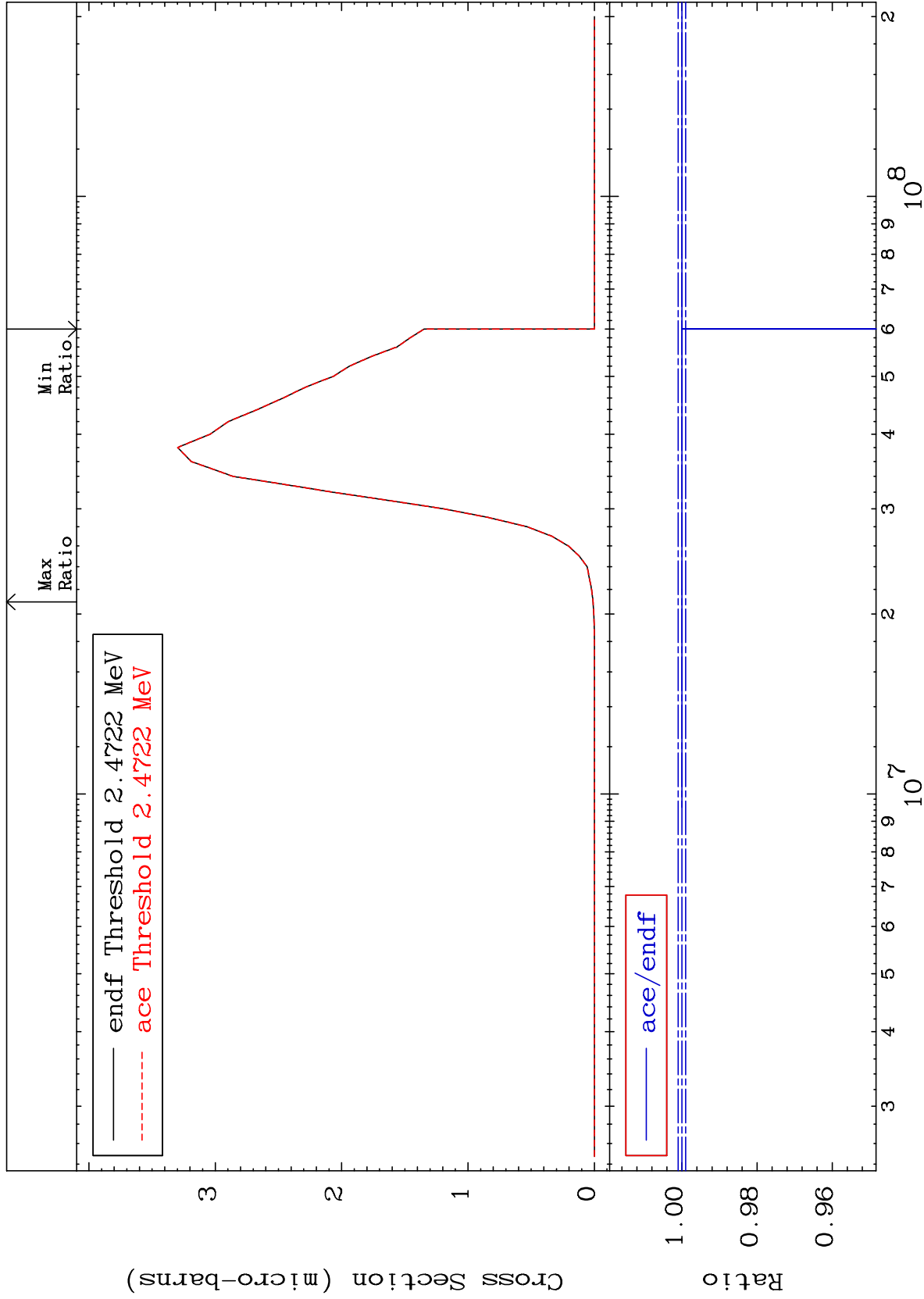
MAT 5728

(n, p) α

57-La-139

Cross Section

-100.0 To 0.000 %



59

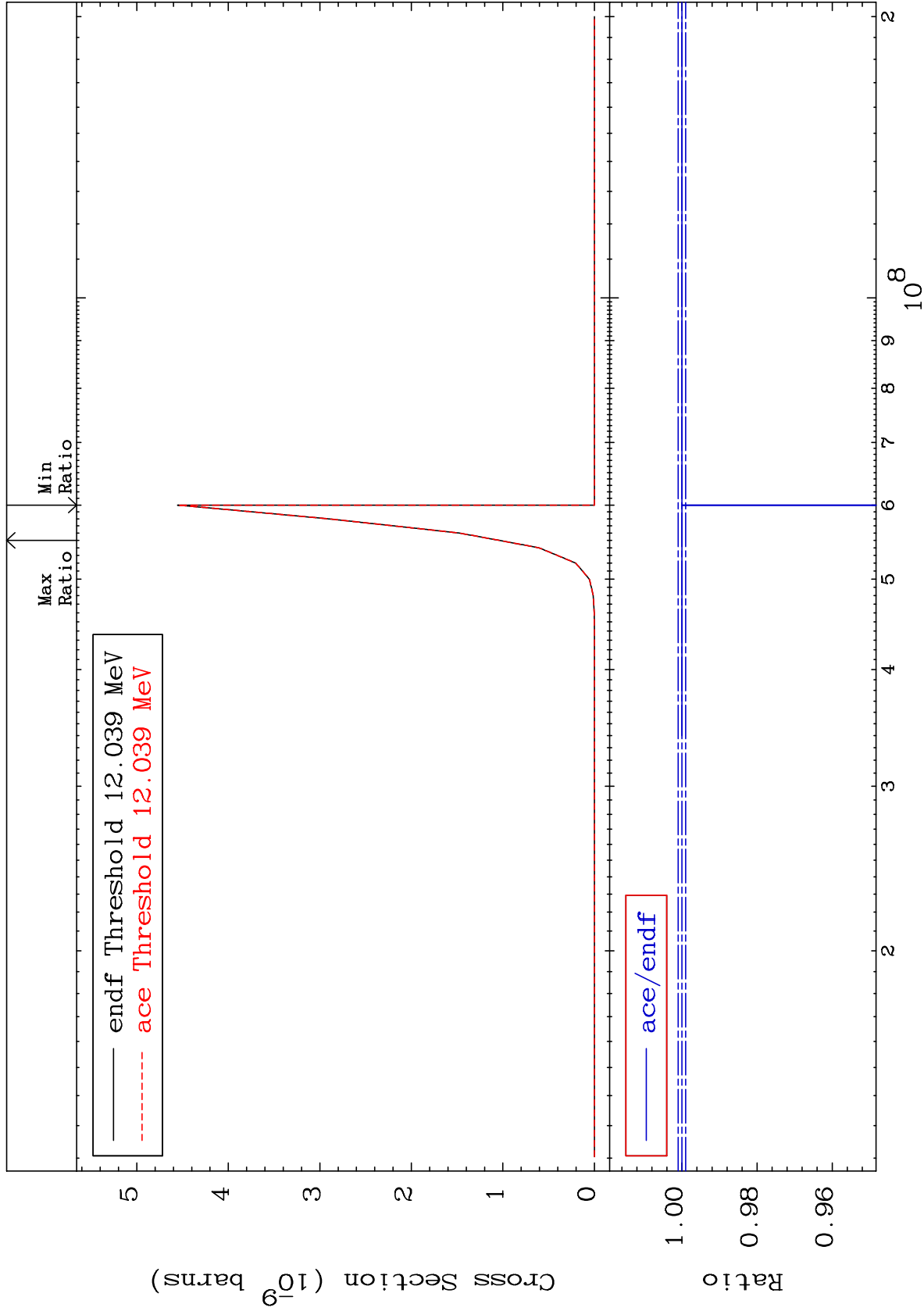
Incident Energy (eV)

57-La-139

MAT 5728

(n, t) 2α
Cross Section

57-La-139
-100.0 To 0.000 %



60

Incident Energy (eV)

57-La-139

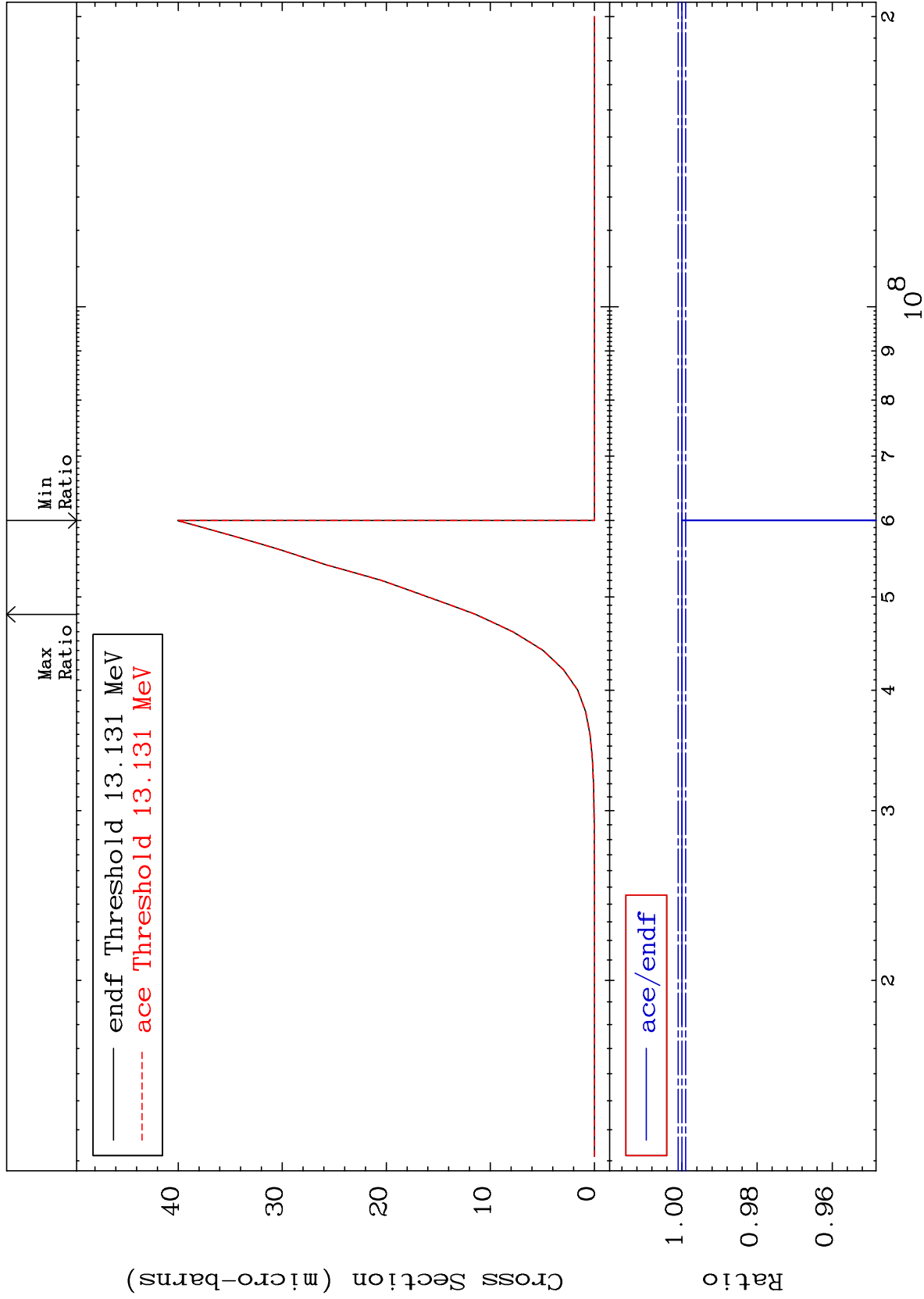
MAT 5728

(n,p) d

57-La-139

Cross Section

-100.0 To 0.000 %



61

Incident Energy (eV)

57-La-139

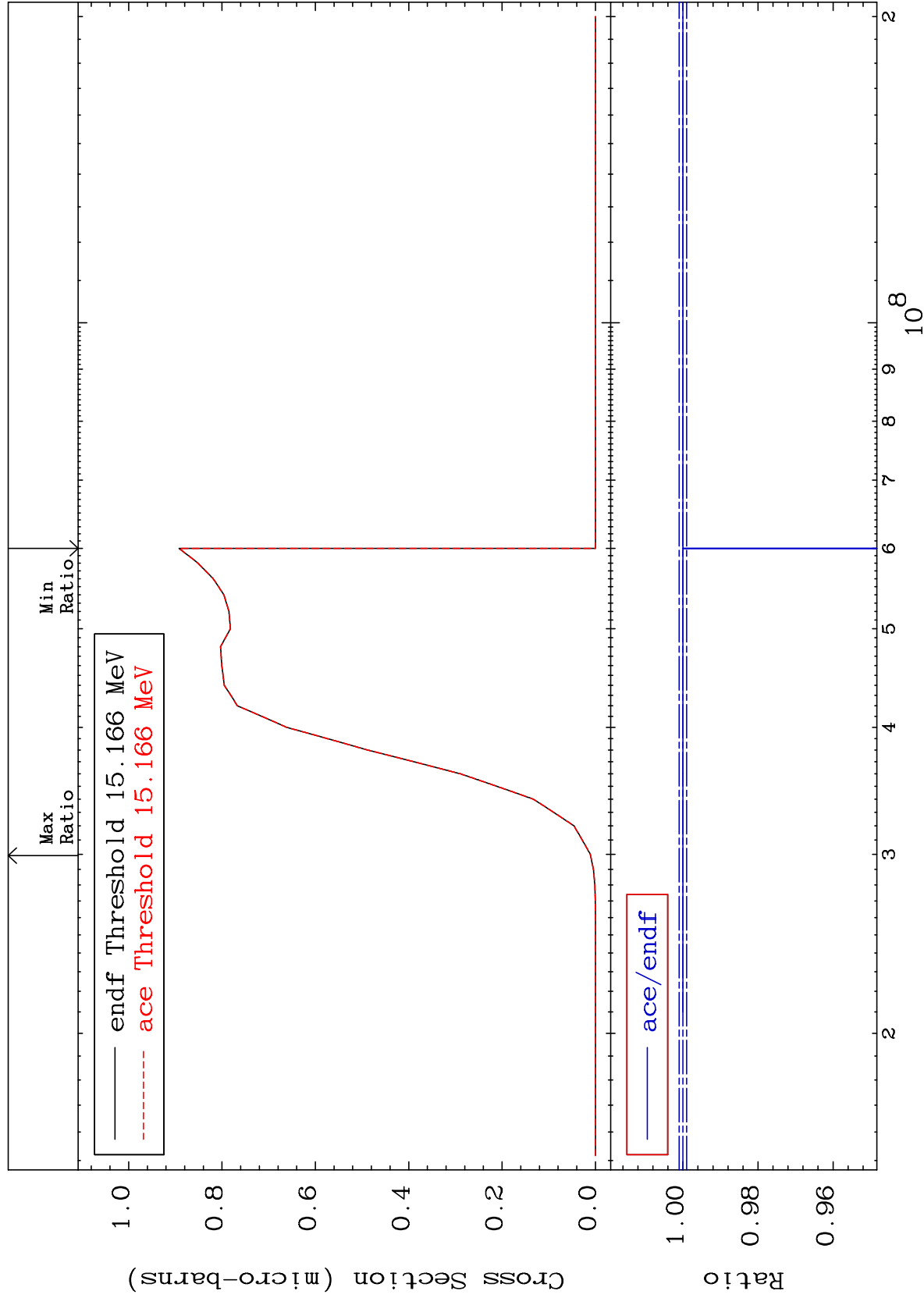
MAT 5728

(n,p) t

57-La-139

Cross Section

-100.0 To 0.000 %



62

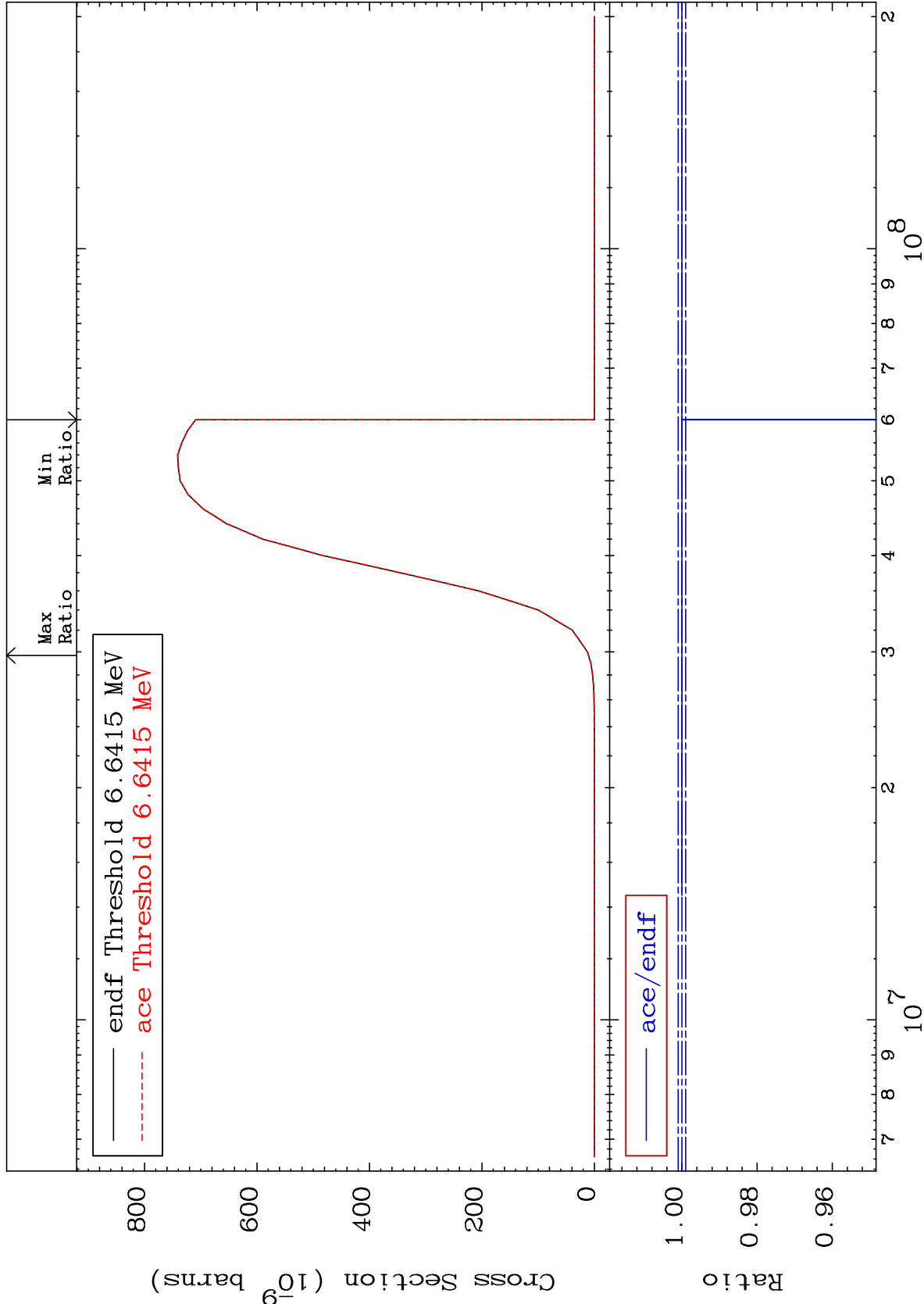
Incident Energy (eV)

57-La-139

MAT 5728

57-La-139
-100.0 To 0.000 %

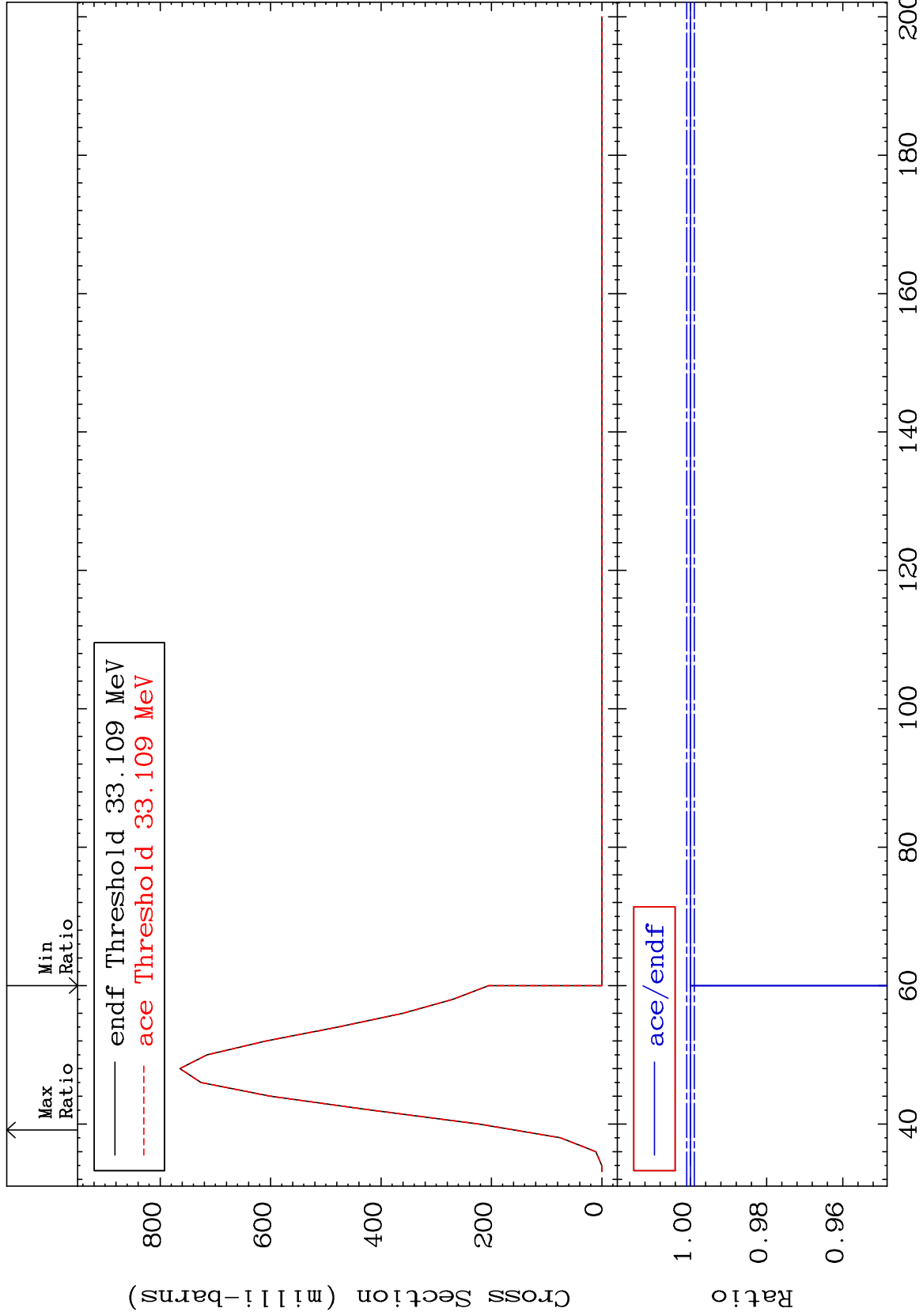
(n,d) α
Cross Section



MAT 5728

(n, 5n)
Cross Section

57-La-139
-100.0 To 0.000 %



64

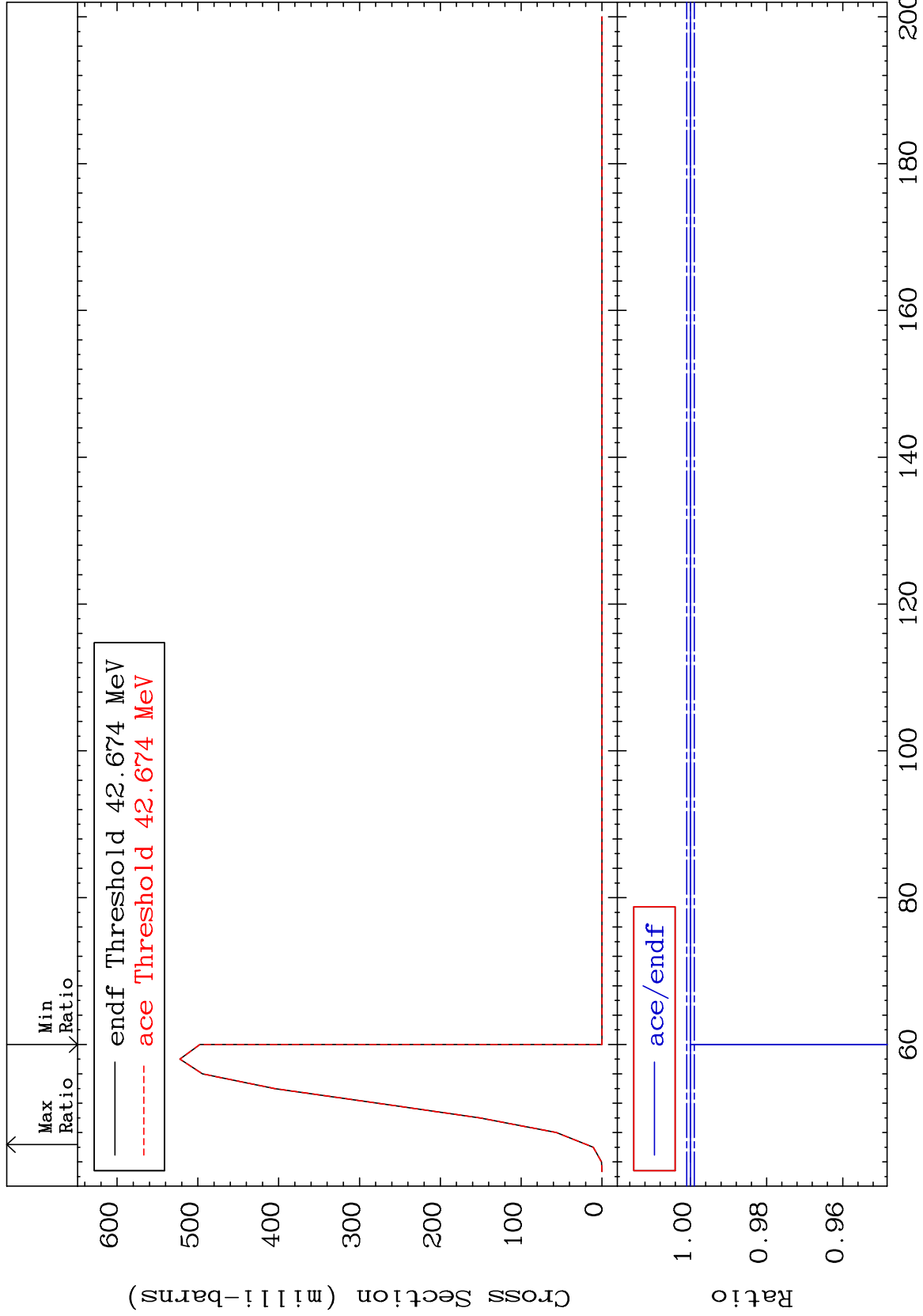
Incident Energy (MeV)

57-La-139

MAT 5728

(n, 6n)
Cross Section

57-La-139
-100.0 To 0.000 %



65

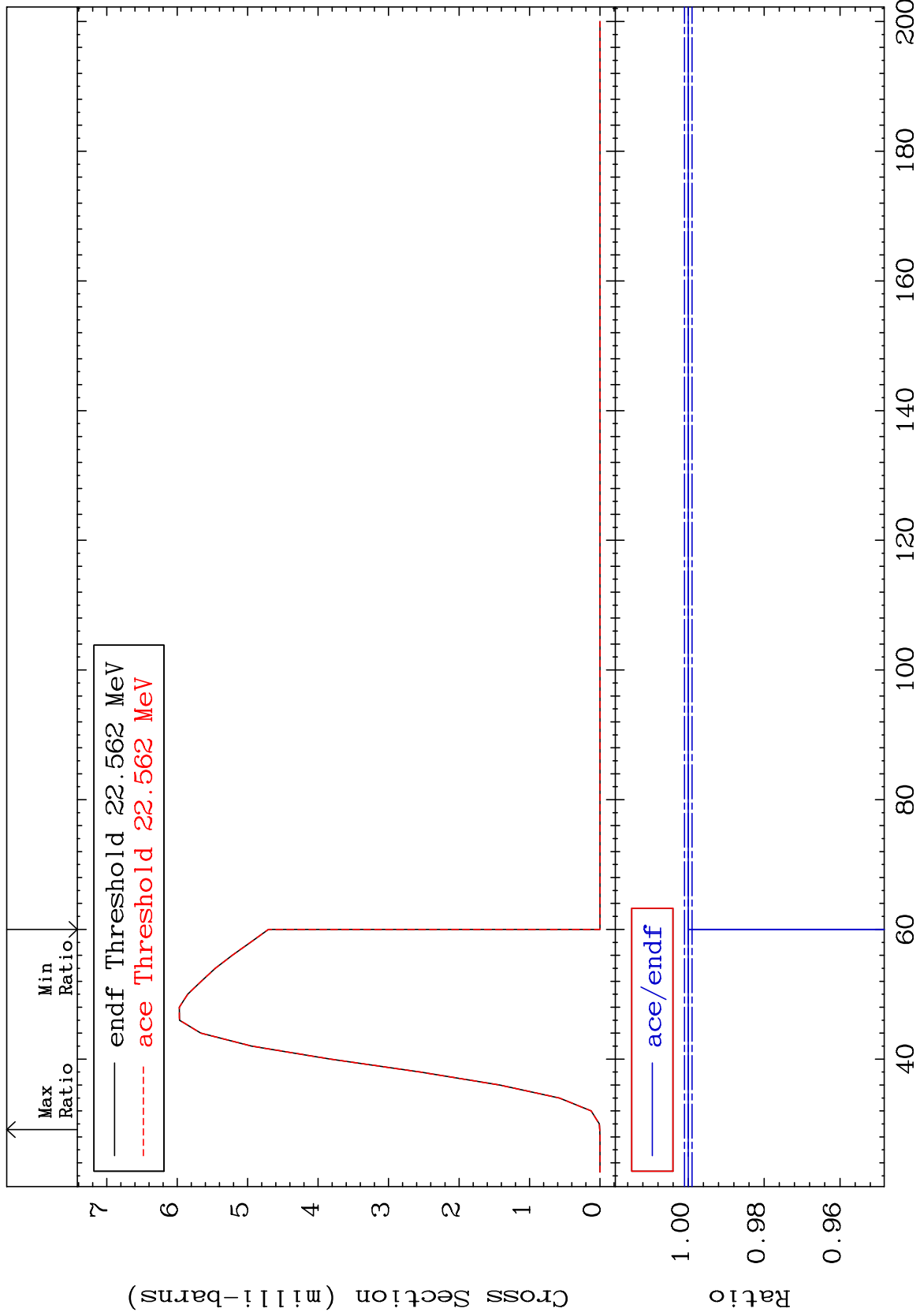
Incident Energy (MeV)

57-La-139

MAT 5728

(n,2nt)
Cross Section

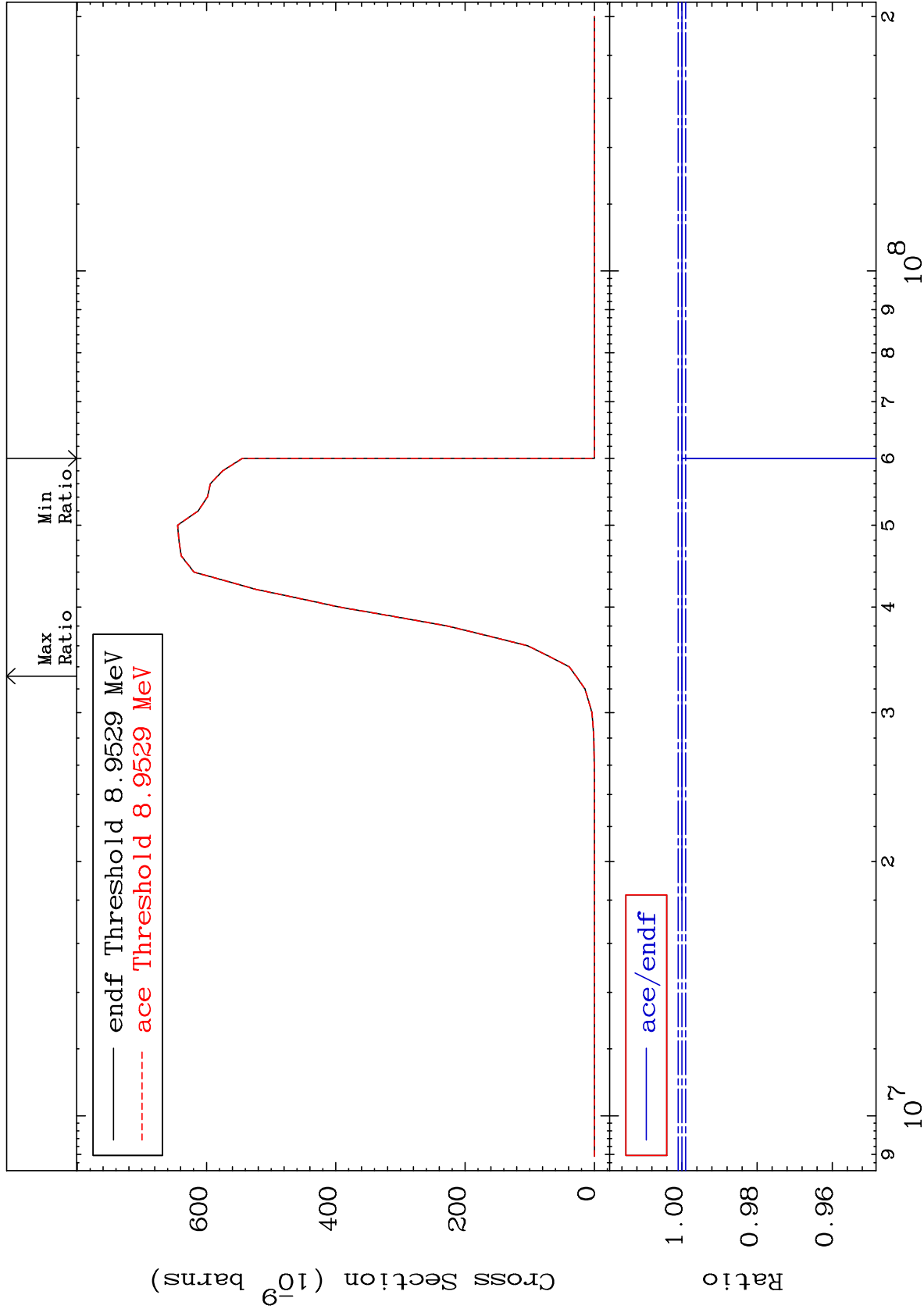
57-La-139
-100.0 To 0.000 %



MAT 5728

57-La-139
-100.0 To 0.000 %

(n, α)
Cross Section



67

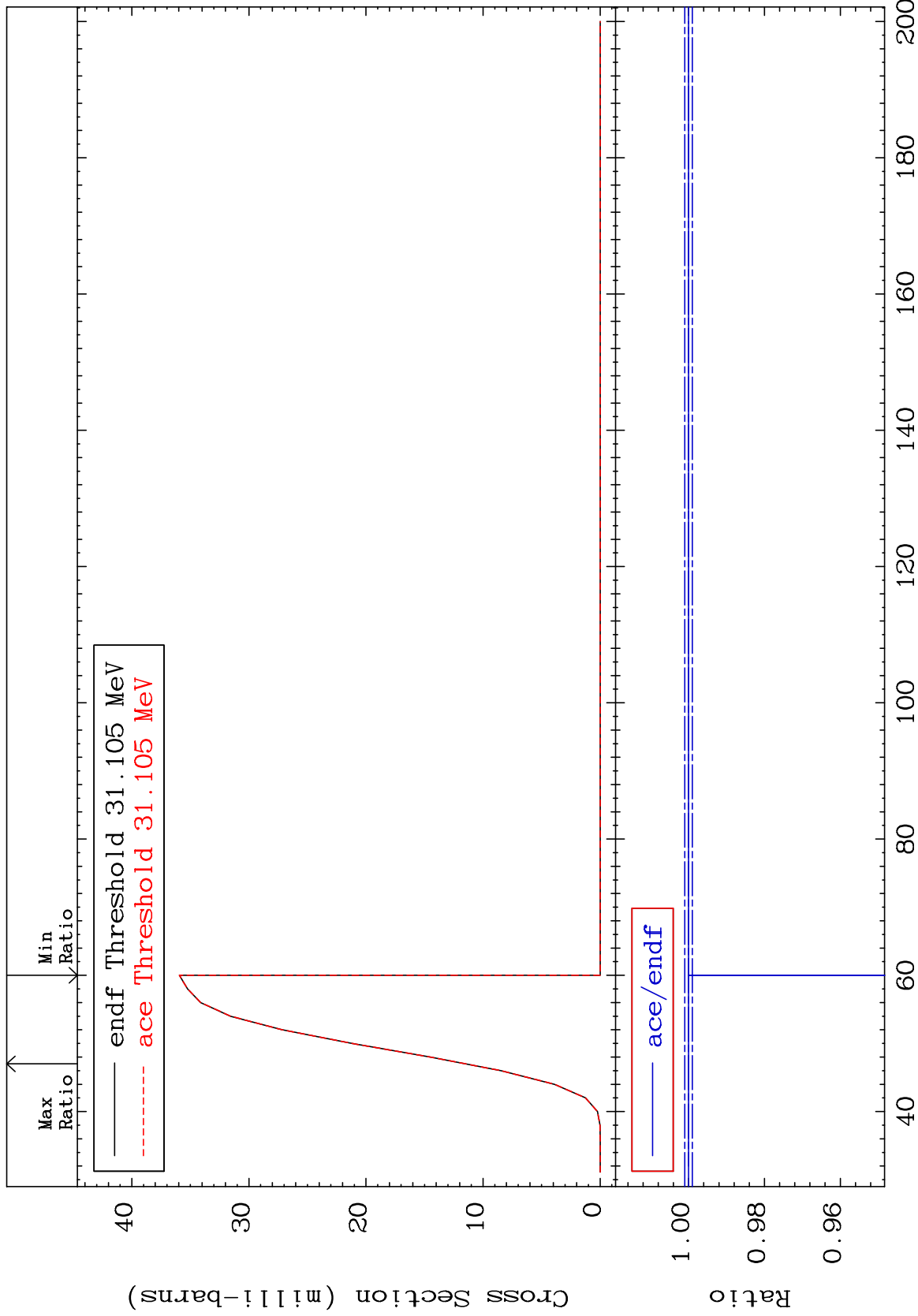
Incident Energy (eV)

57-La-139

MAT 5728

(n, 4np)
Cross Section

57-La-139
-100.0 To 0.000 %



68

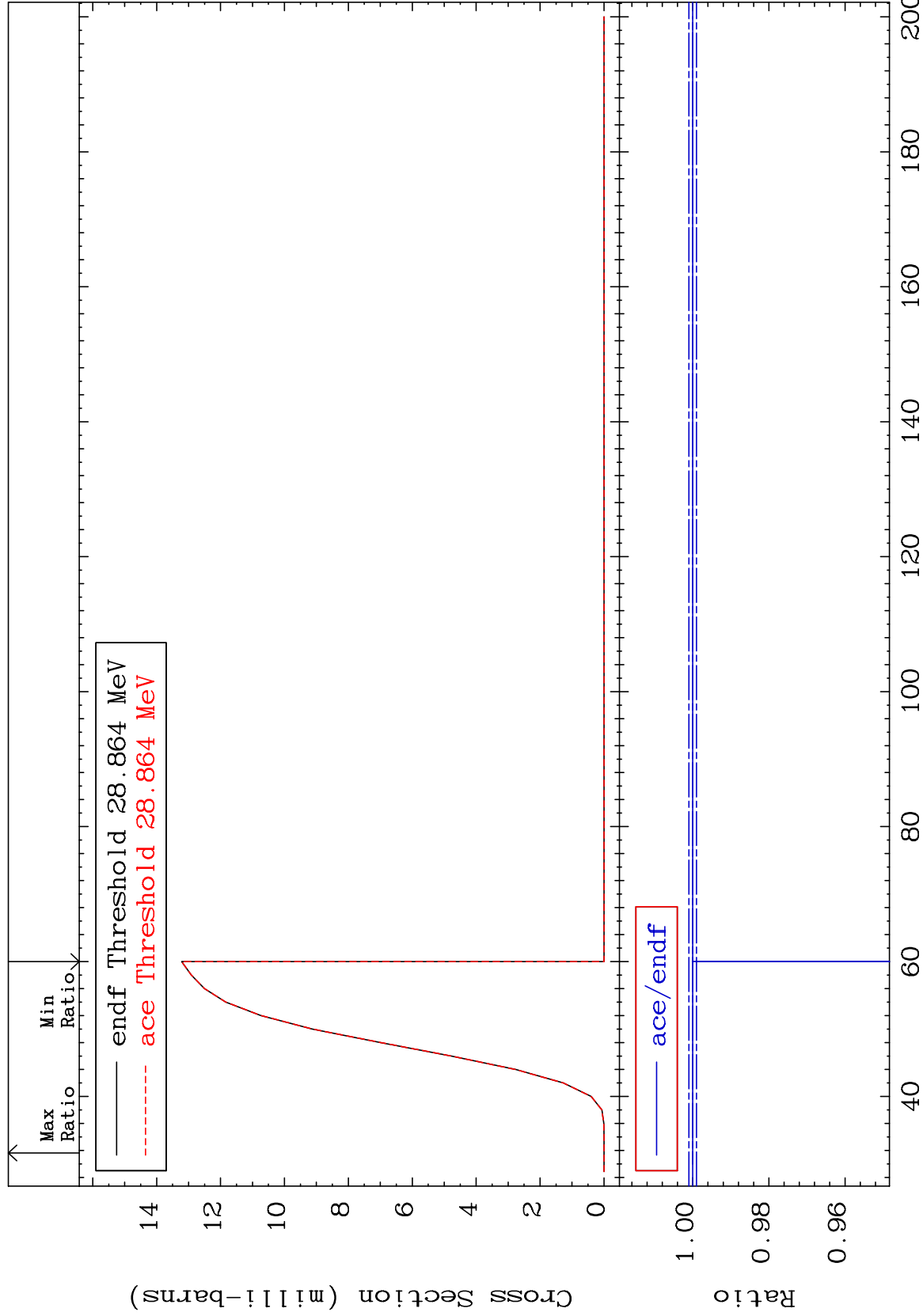
Incident Energy (MeV)

57-La-139

MAT 5728

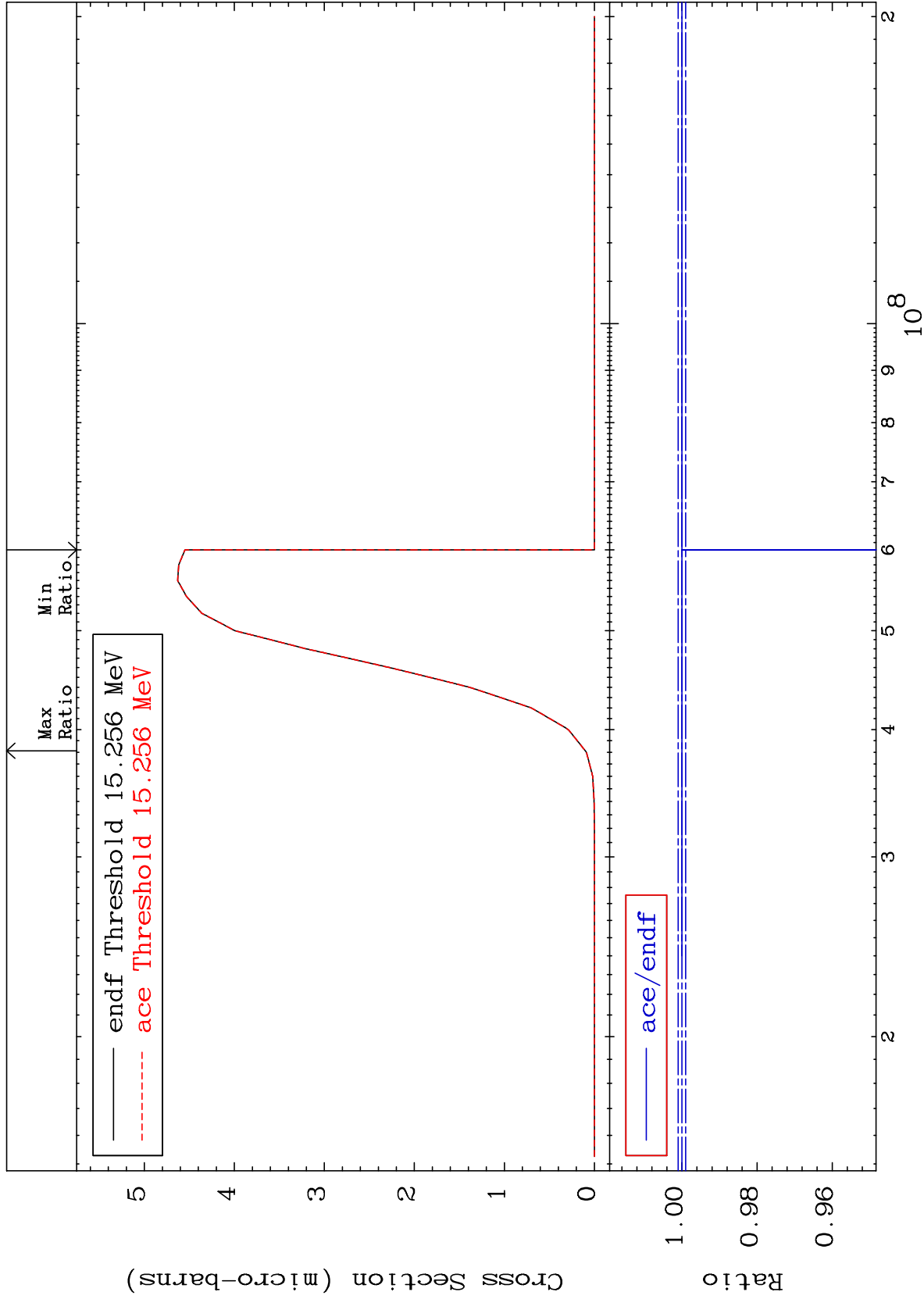
(n,3nd)
Cross Section

57-La-139
-100.0 To 0.000 %



MAT 5728

(n, n'α)
Cross Section
57-La-139
-100.0 To 0.000 %



70

57-La-139

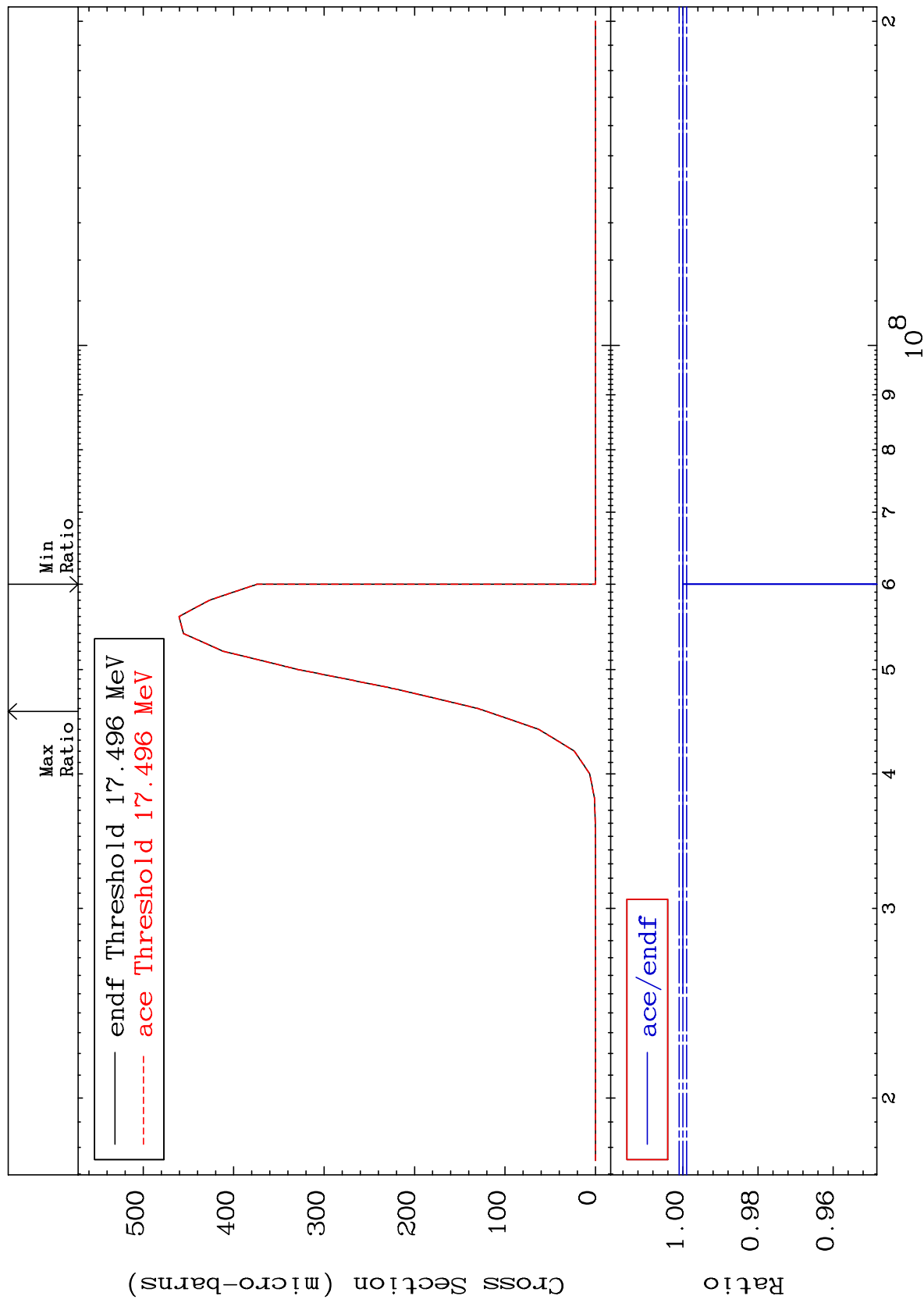
MAT 5728

(n, 2np α)

57-La-139

Cross Section

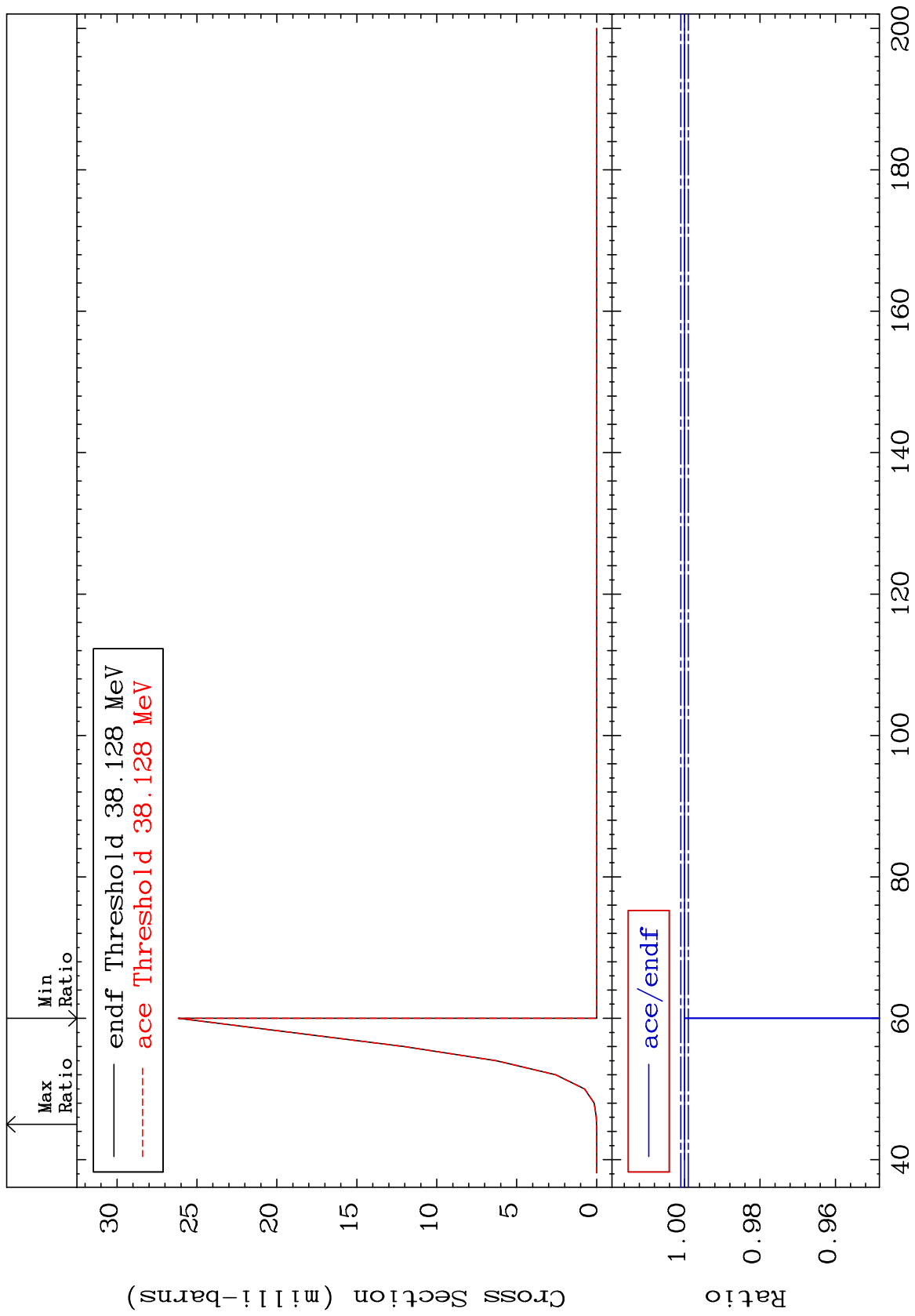
-100.0 To 0.000 %



MAT 5728

(n,5np)
Cross Section

57-La-139
-100.0 To 0.000 %



72

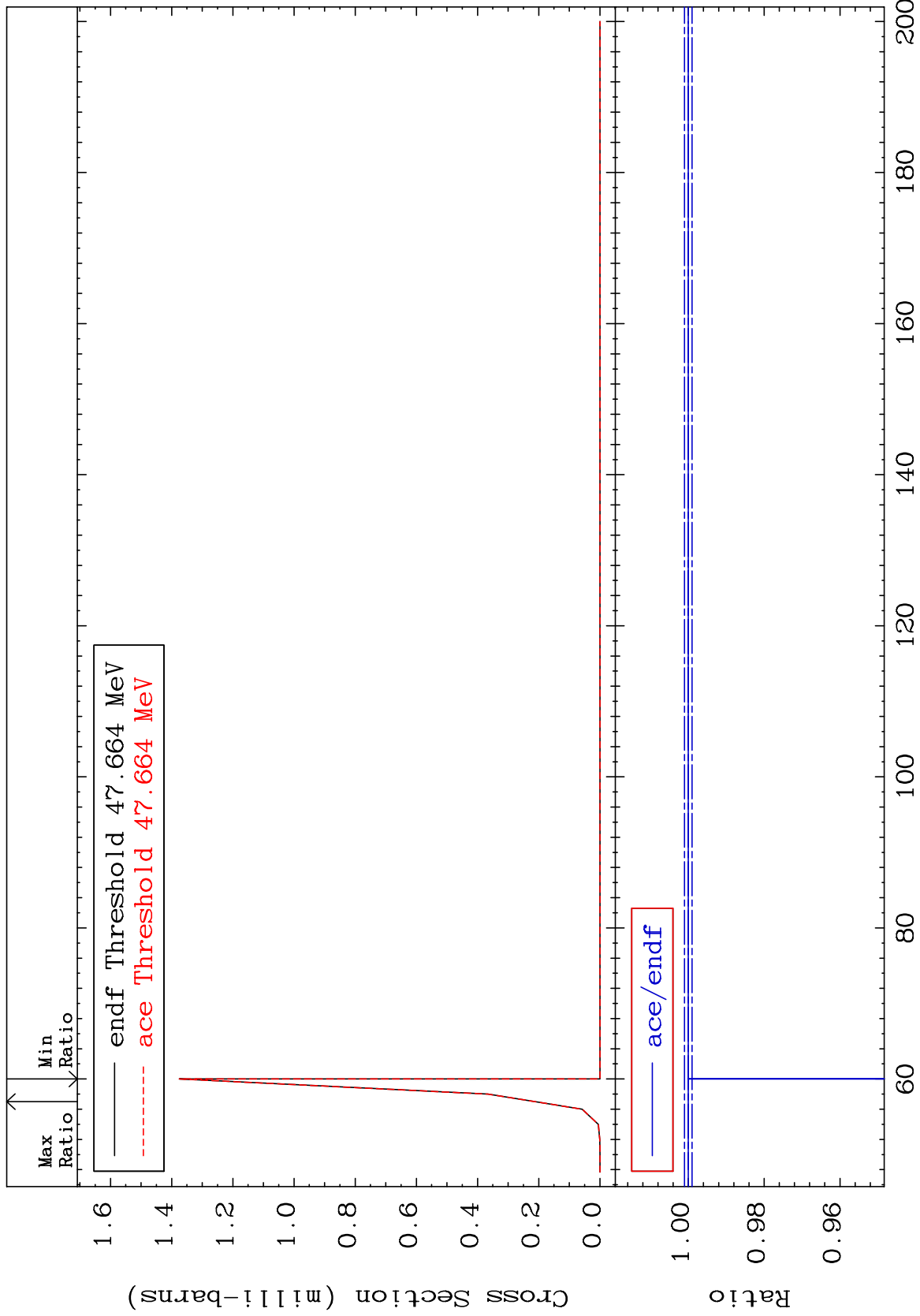
Incident Energy (MeV)

57-La-139

MAT 5728

(n, 6np)
Cross Section

57-La-139
-100.0 To 0.000 %



73

57-La-139

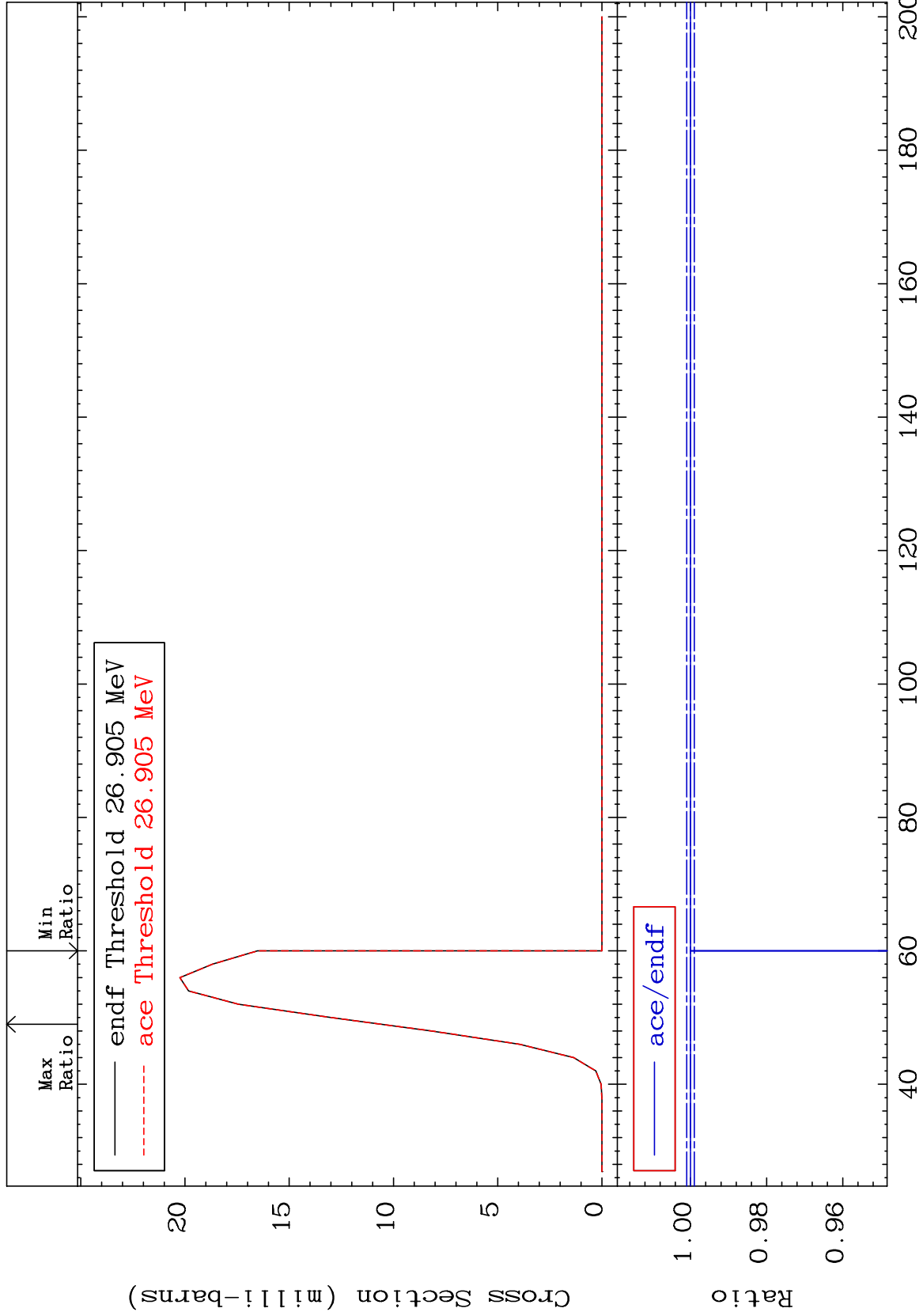
MAT 5728

(n, 4n α)

57-La-139

Cross Section

-100.0 To 0.000 %



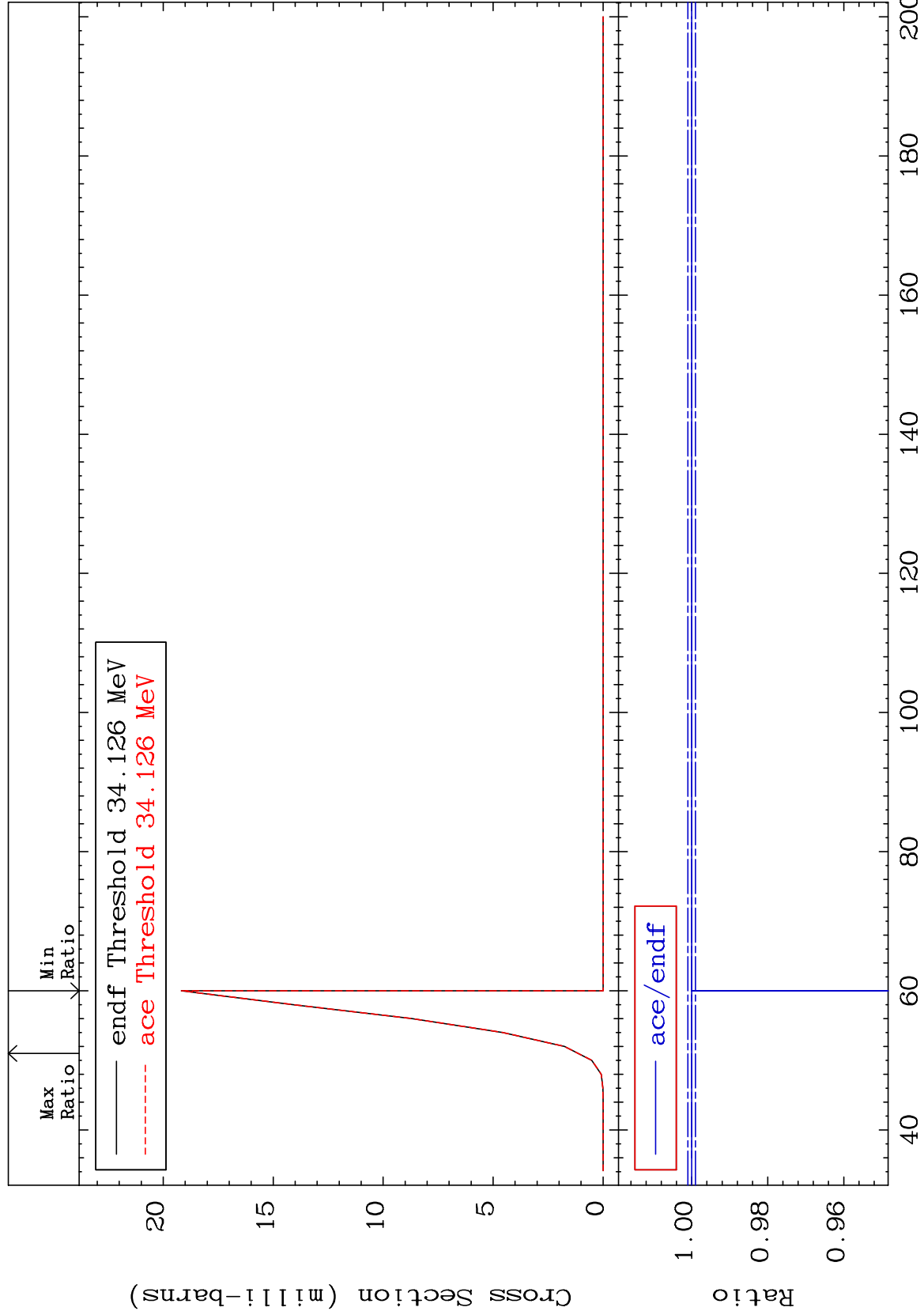
MAT 5728

(n,5n α)

57-La-139

Cross Section

-100.0 To 0.000 %



75

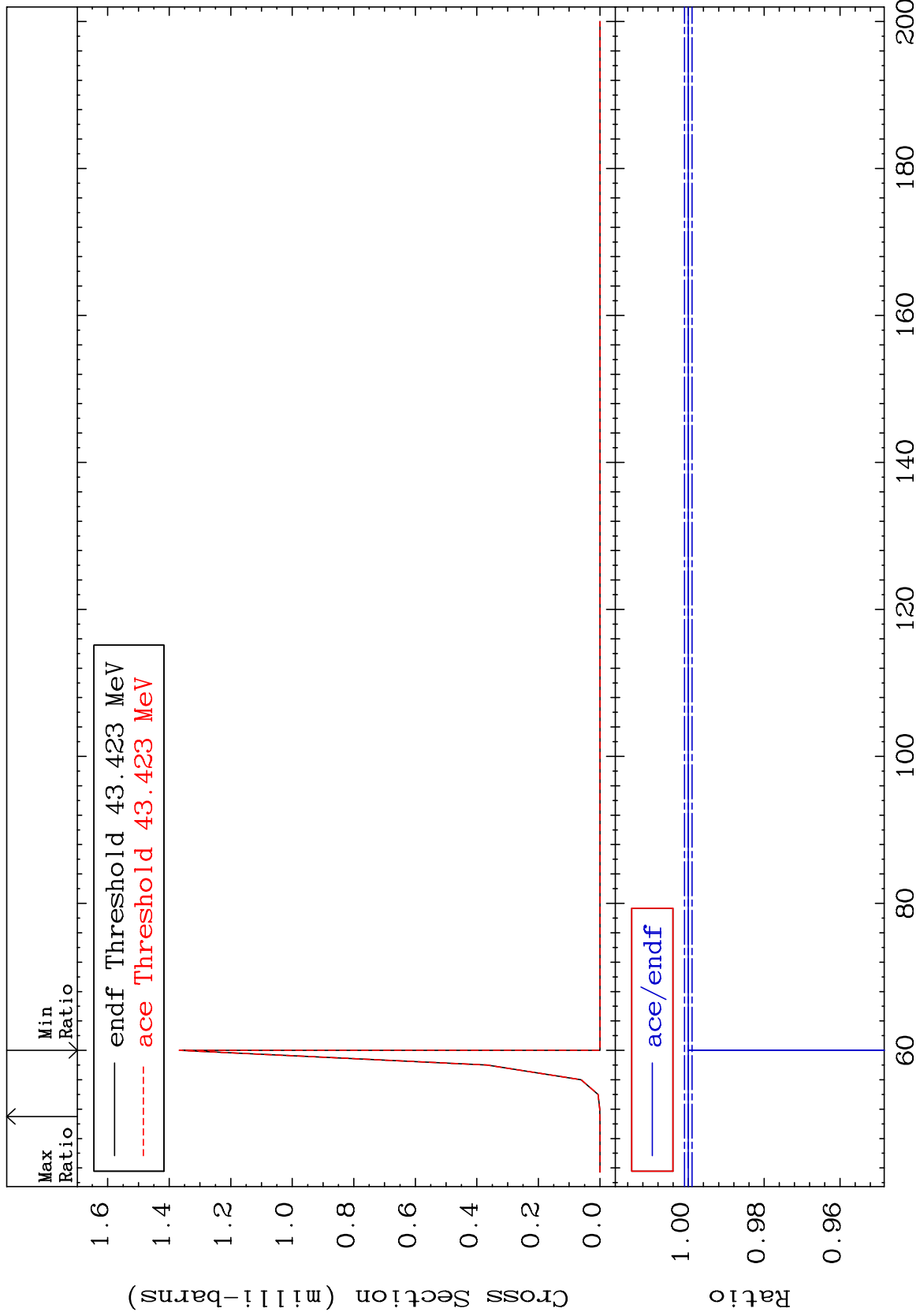
Incident Energy (MeV)

57-La-139

MAT 5728

(n, 6n)
Cross Section

57-La-139
-100.0 To 0.000 %



76

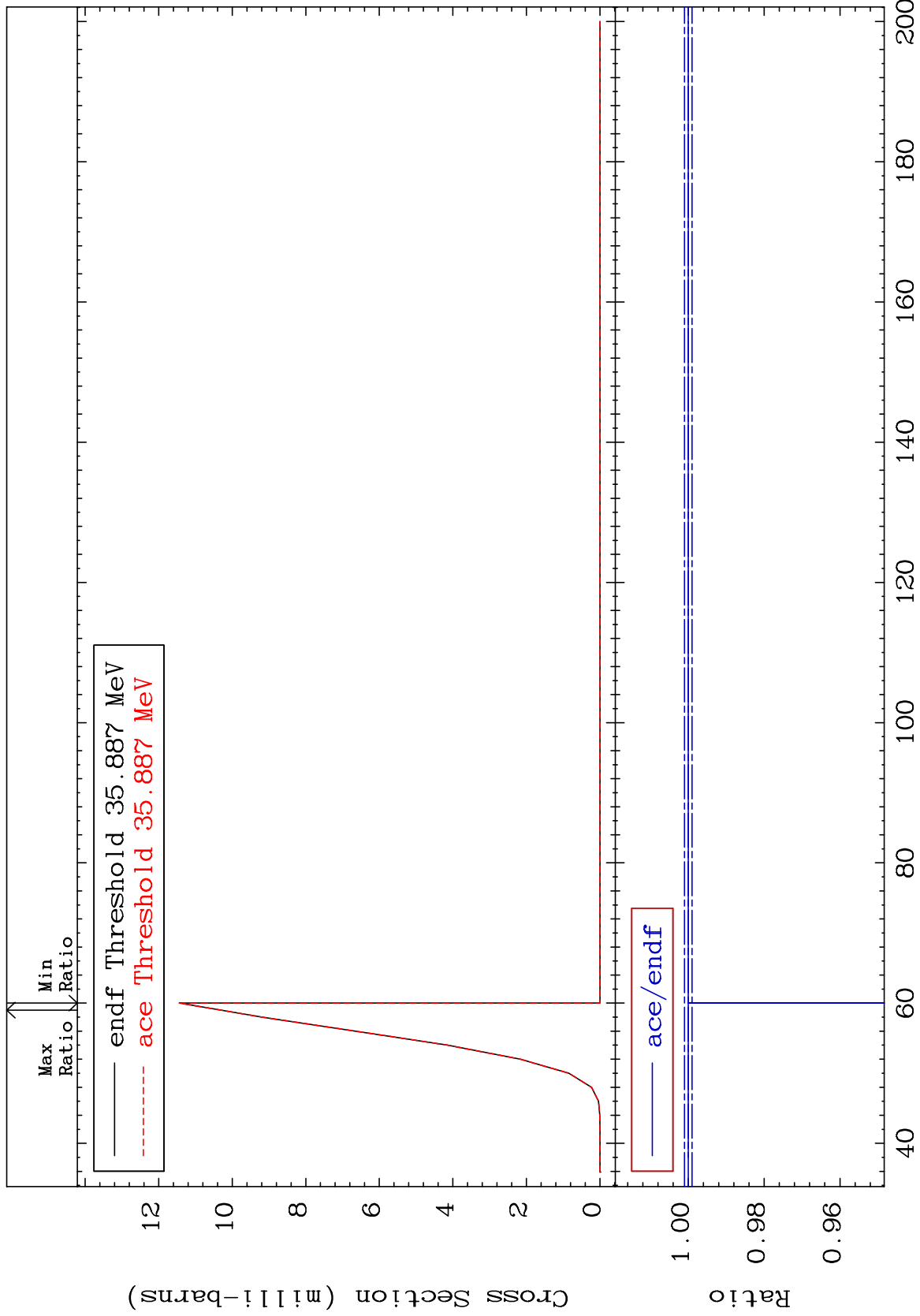
Incident Energy (MeV)

57-La-139

MAT 5728

(n, 4nd)
Cross Section

57-La-139
-100.0 To 0.000 %



77

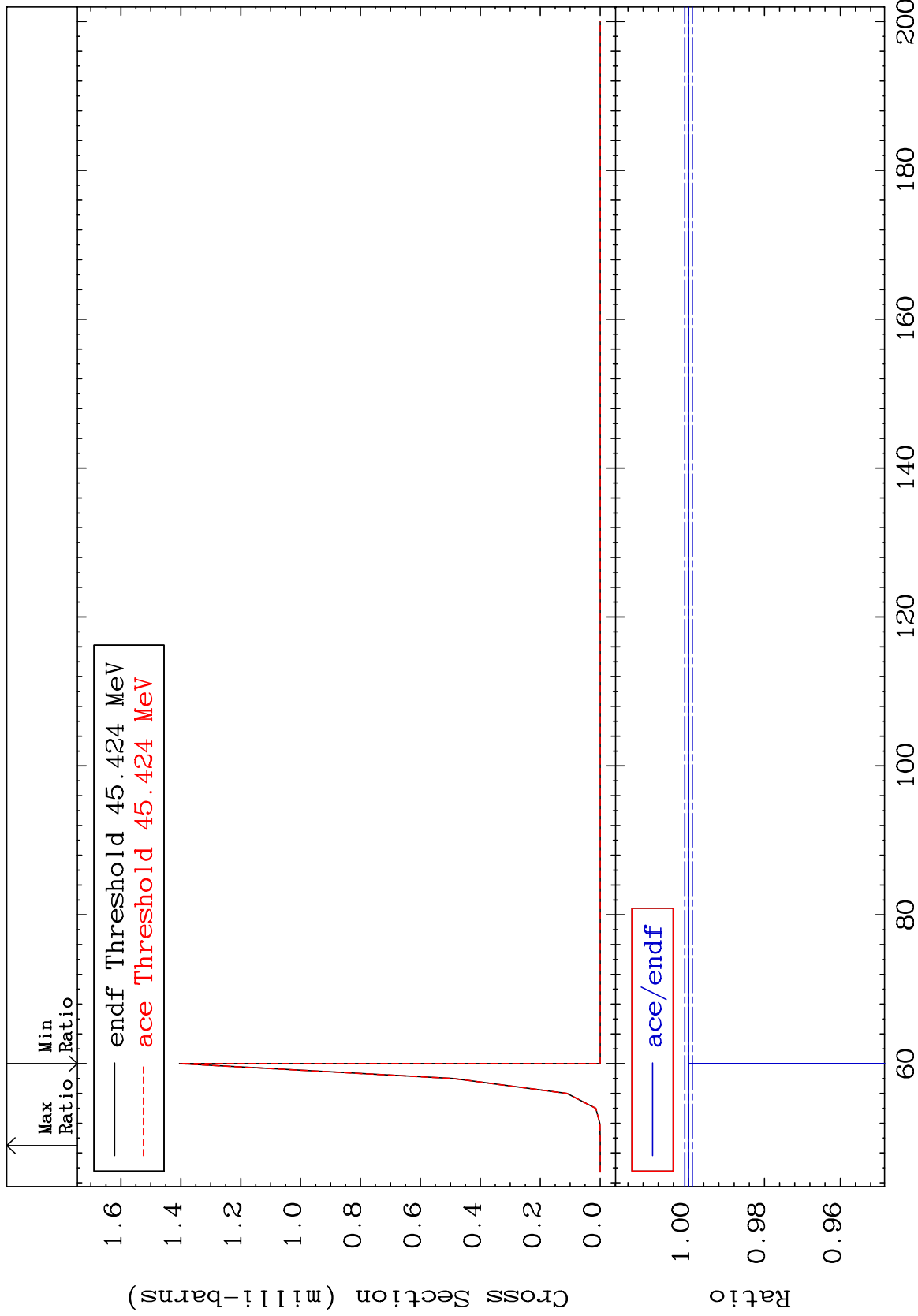
Incident Energy (MeV)

57-La-139

MAT 5728

(n,5nd)
Cross Section

57-La-139
-100.0 To 0.000 %



78

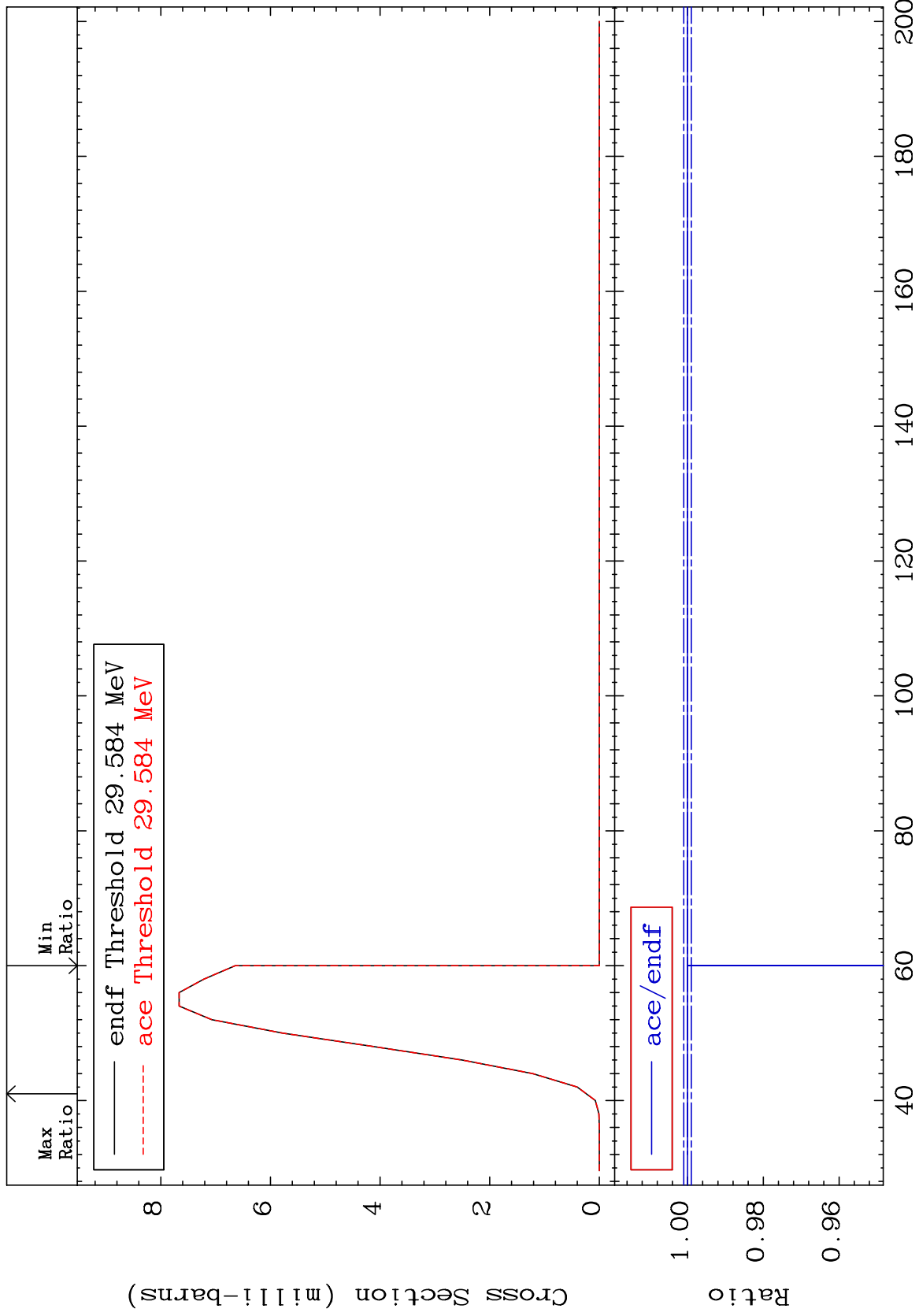
Incident Energy (MeV)

57-La-139

MAT 5728

(n,3nt)
Cross Section

57-La-139
-100.0 To 0.000 %



79

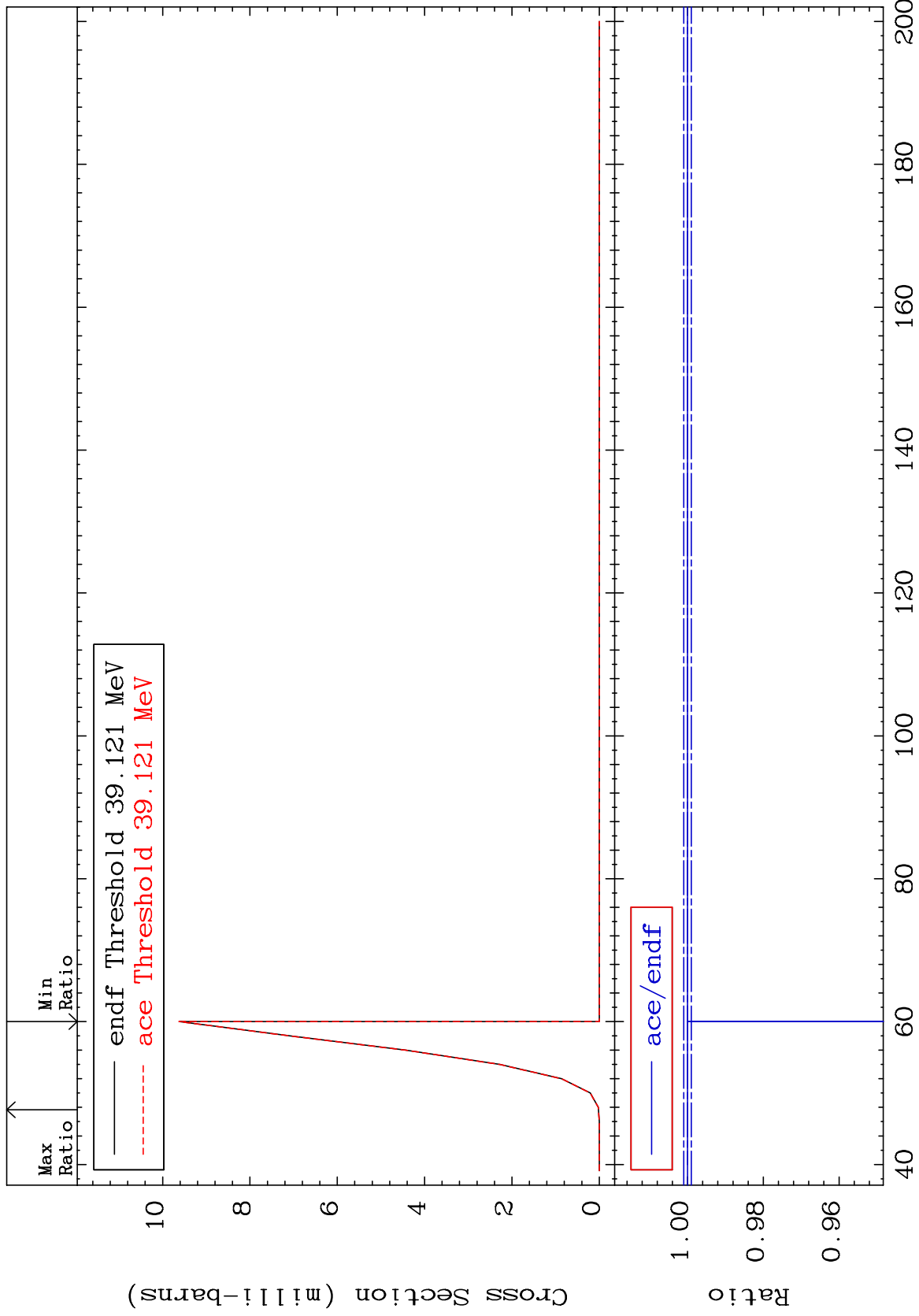
Incident Energy (MeV)

57-La-139

MAT 5728

(n, 4nt)
Cross Section

57-La-139
-100.0 To 0.000 %



80

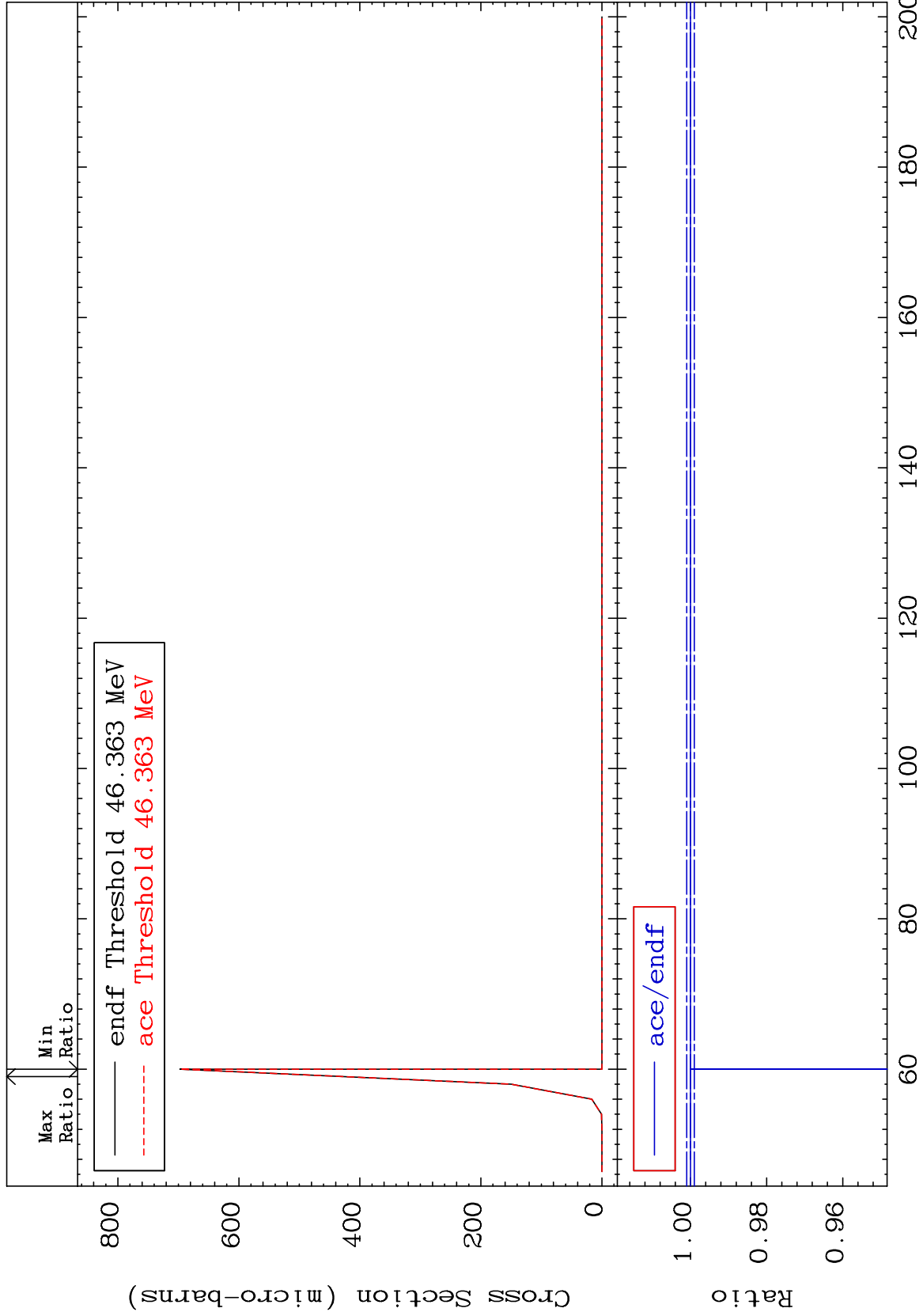
Incident Energy (MeV)

57-La-139

MAT 5728

(n,5nt)
Cross Section

57-La-139
-100.0 To 0.000 %



81

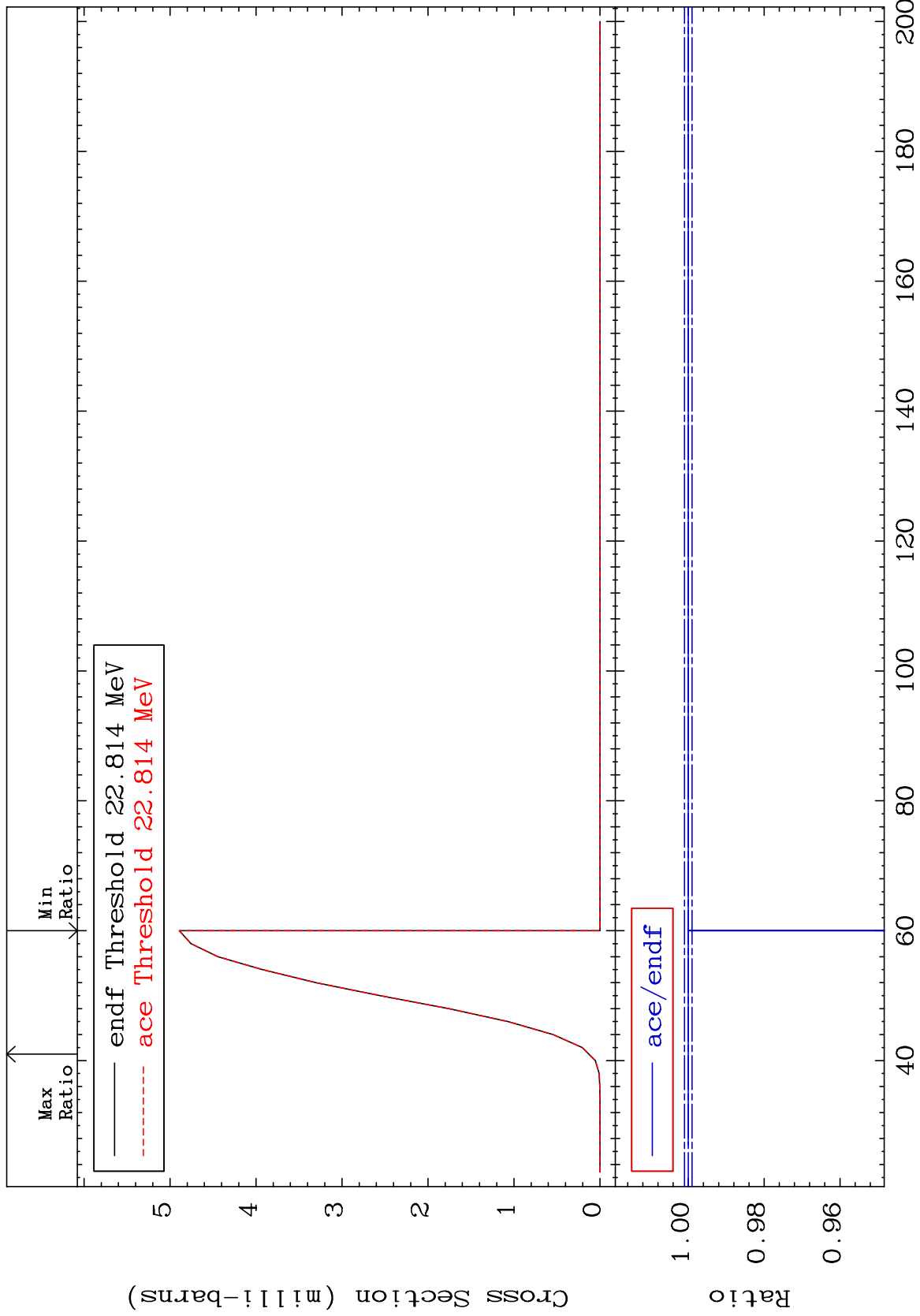
Incident Energy (MeV)

57-La-139

MAT 5728

(n,2nh)
Cross Section

57-La-139
-100.0 To 0.000 %



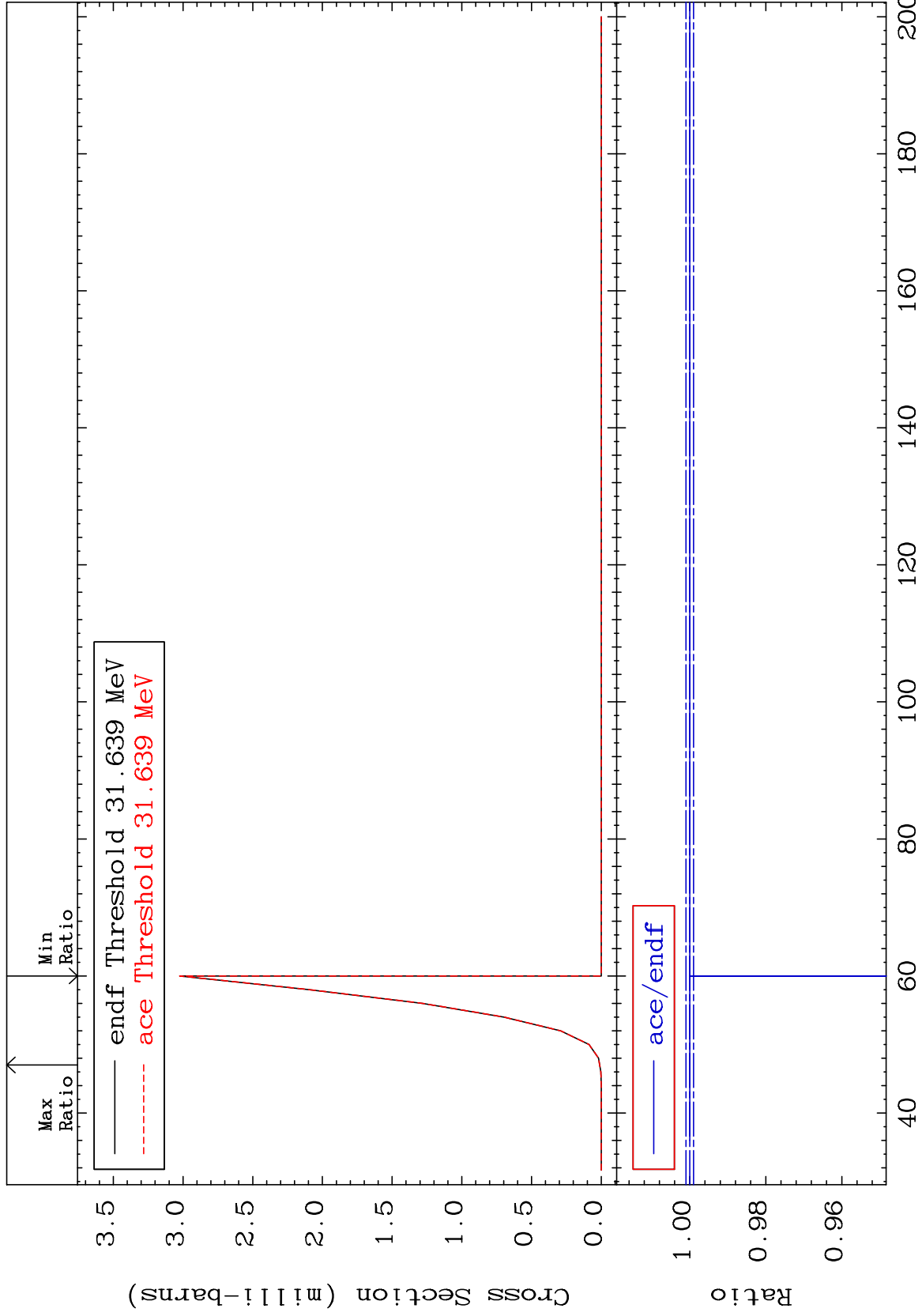
MAT 5728

(n, 3nh)

57-La-139

Cross Section

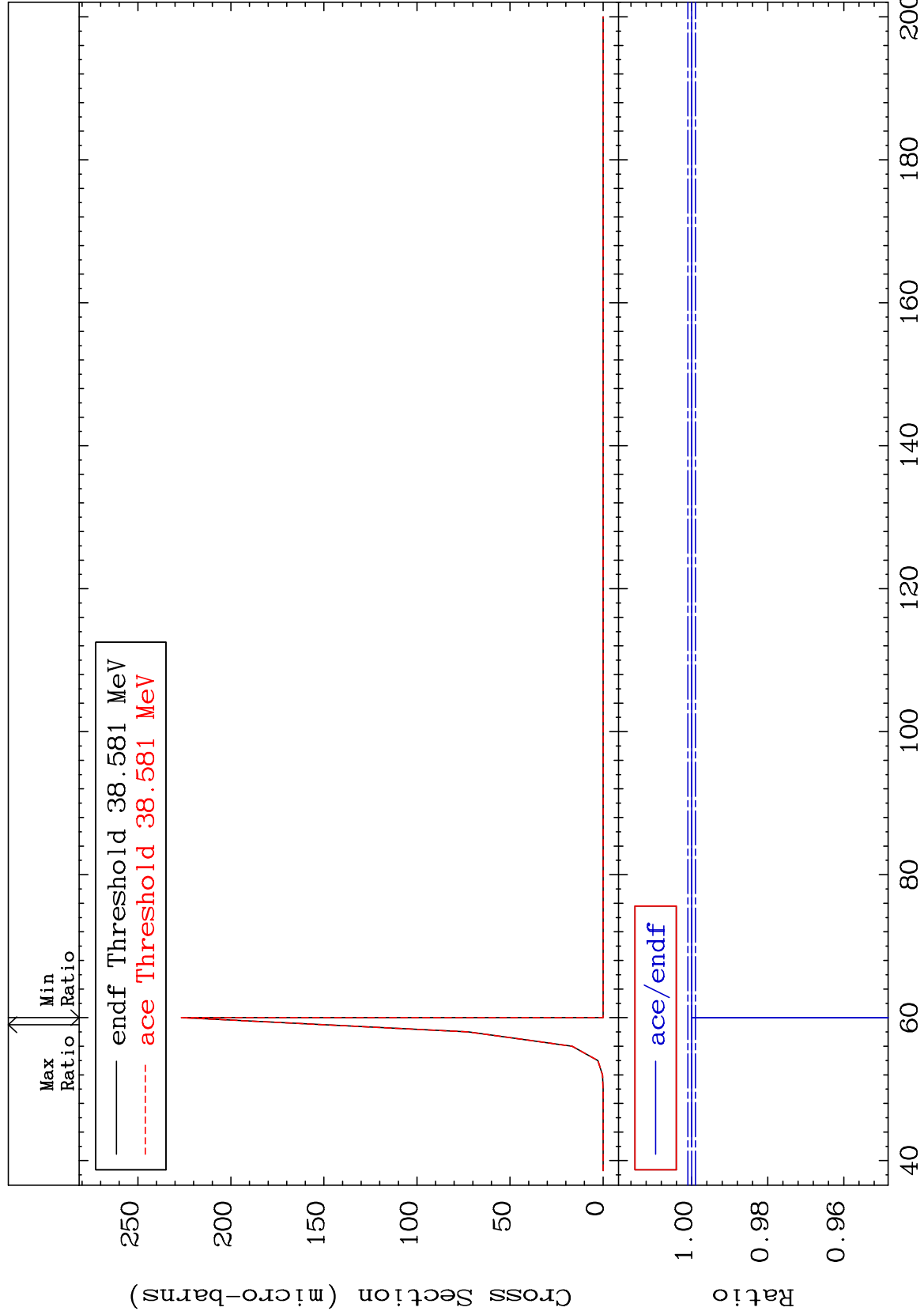
-100.0 To 0.000 %



MAT 5728

(n, 4nh)
Cross Section

57-La-139
-100.0 To 0.000 %



84

Incident Energy (MeV)

57-La-139

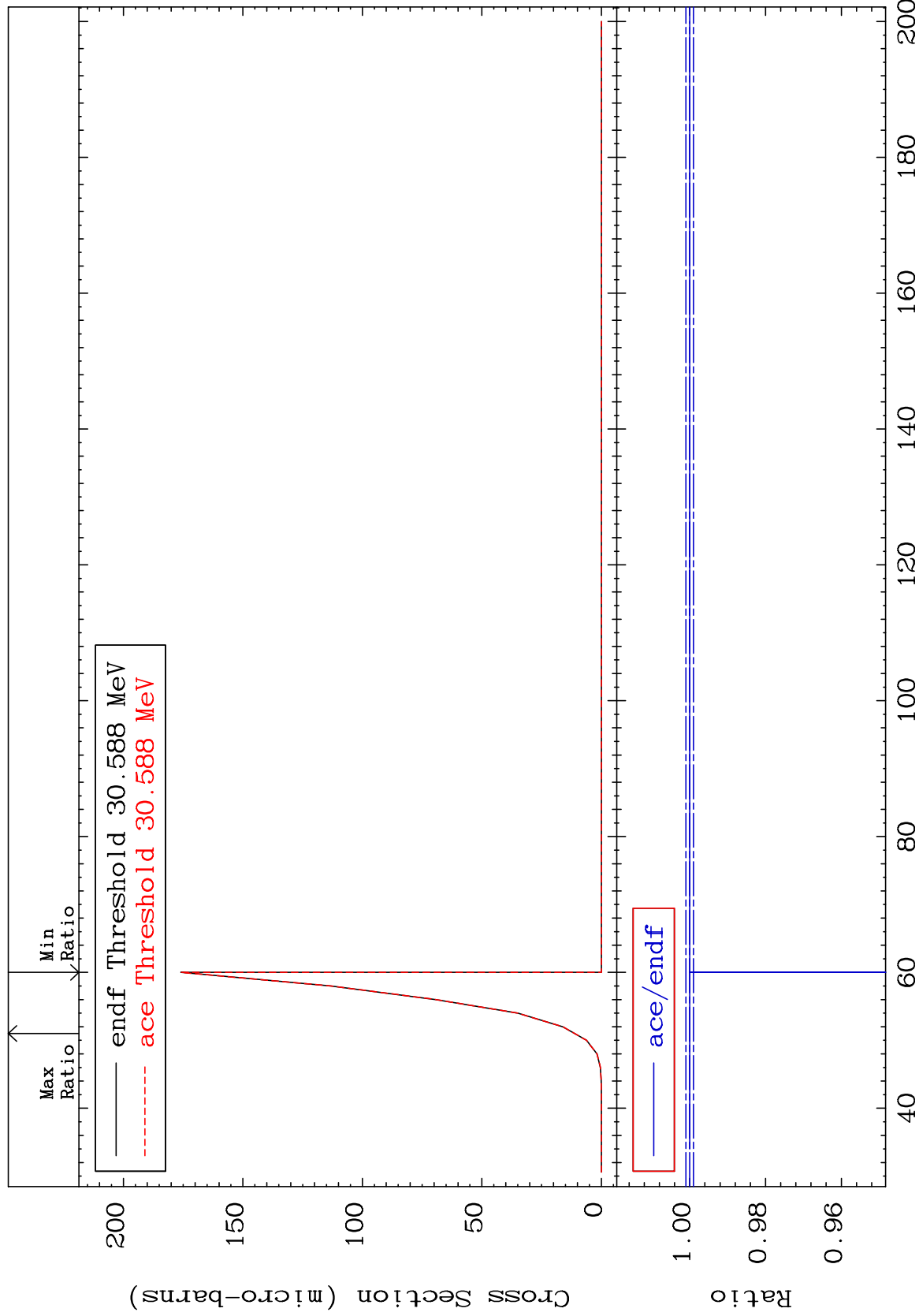
MAT 5728

(n, 3n2p)

57-La-139

Cross Section

-100.0 To 0.000 %



85

57-La-139

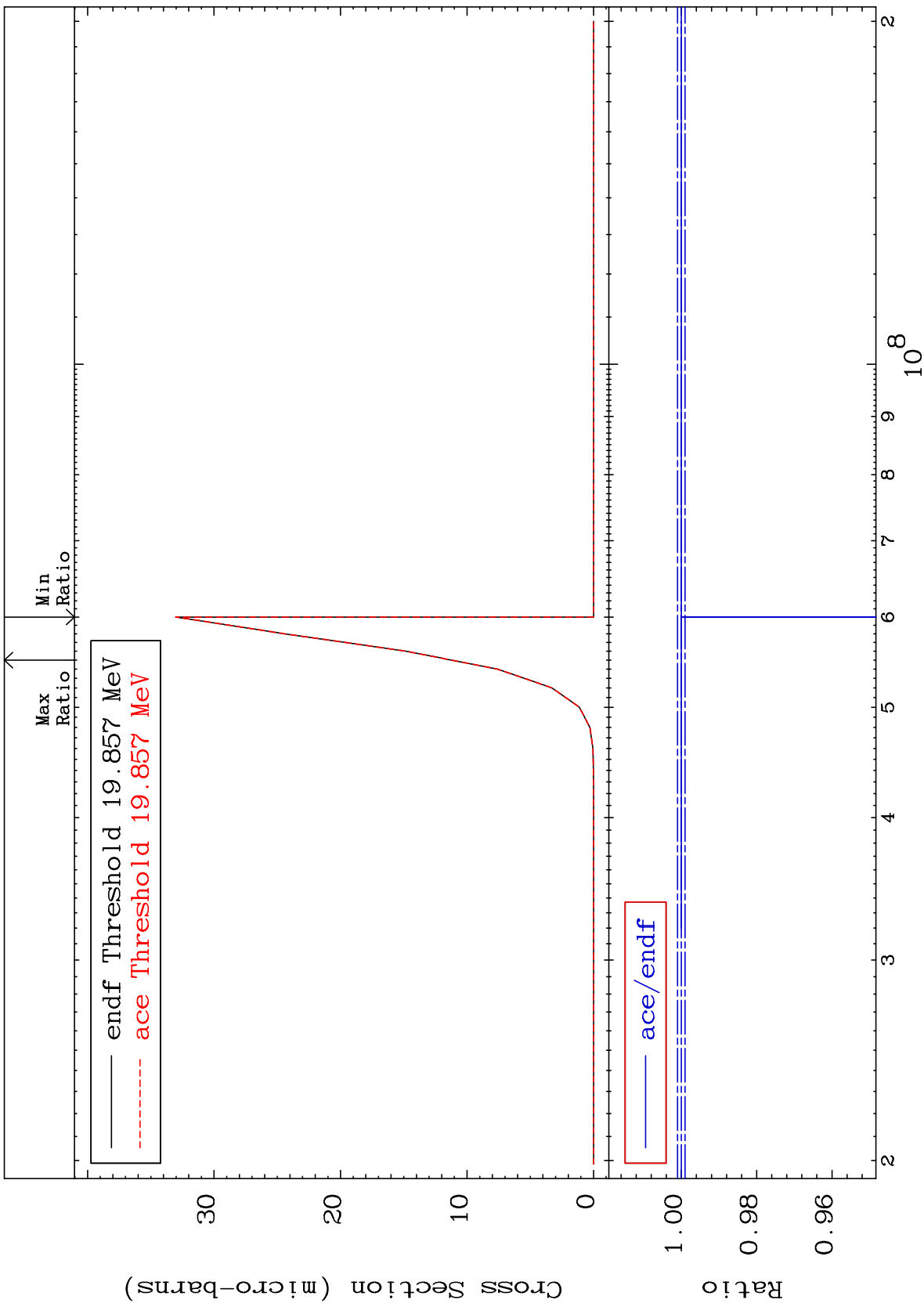
MAT 5728

(n, 3n2α)

57-La-139

Cross Section

-100.0 To 0.000 %



86

Incident Energy (eV)

57-La-139

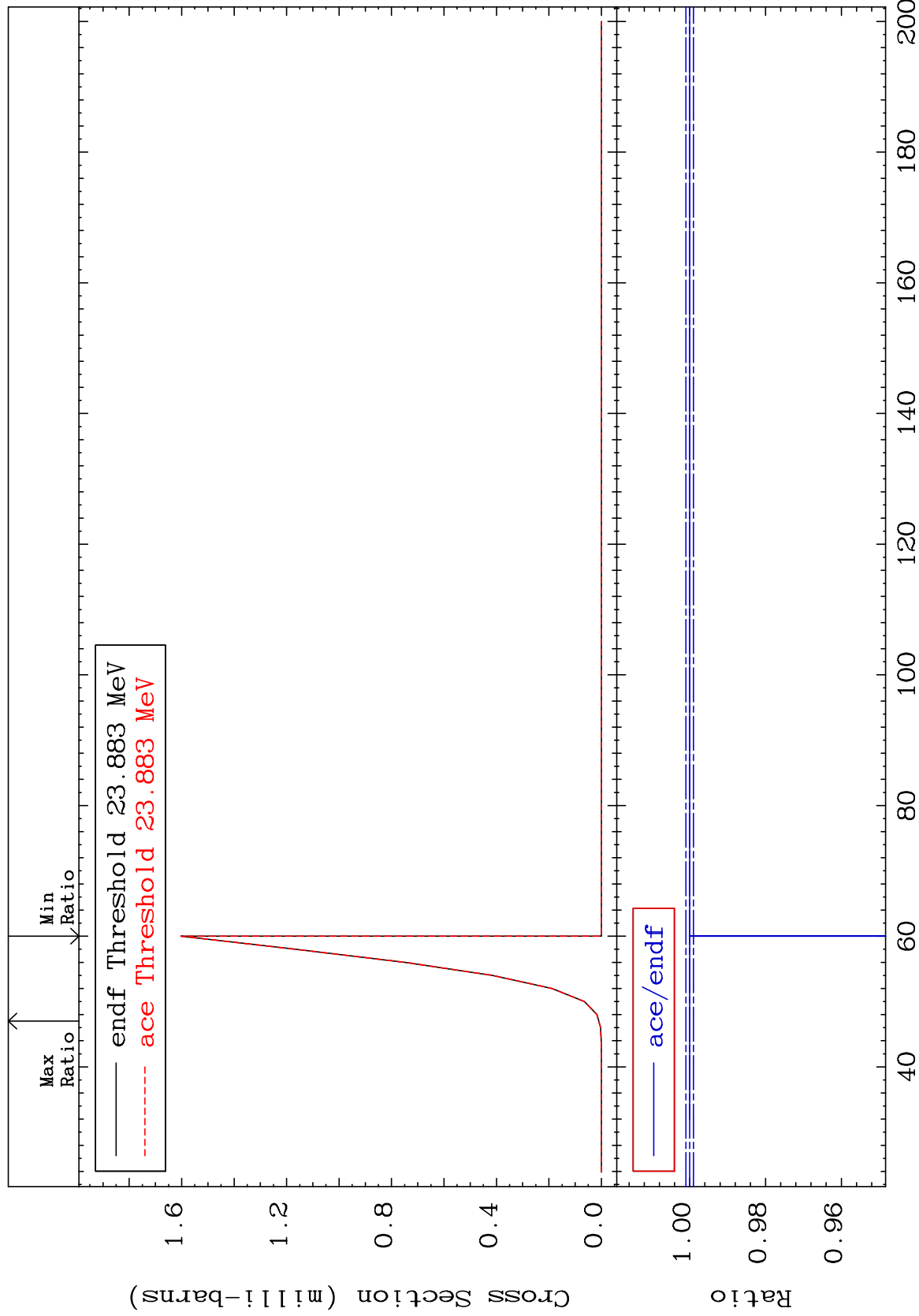
MAT 5728

(n, 3n α)

57-La-139

Cross Section

-100.0 To 0.000 %

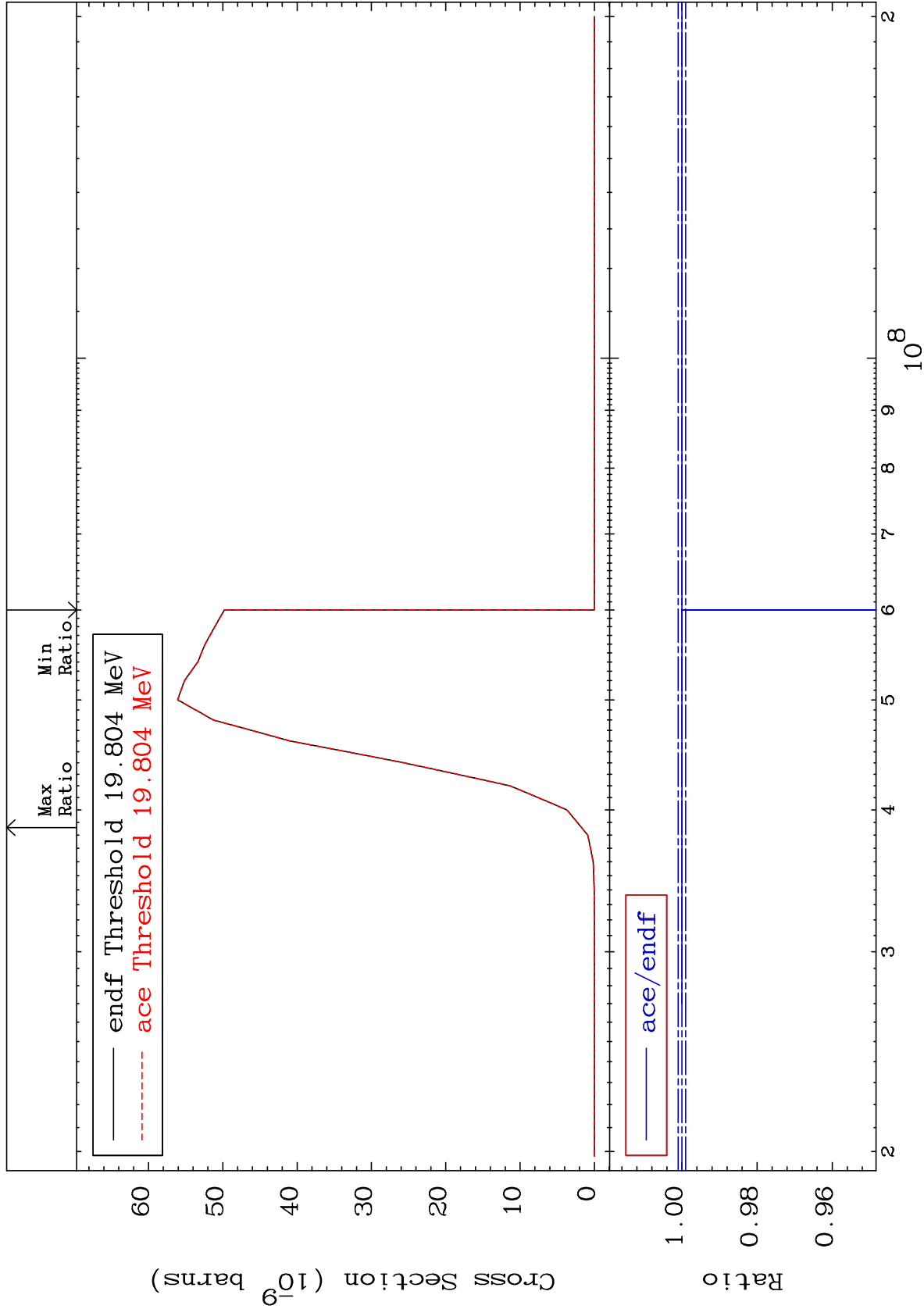


87

57-La-139

MAT 5728

(n, dt)
Cross Section
57-La-139
-100.0 To 0.000 %



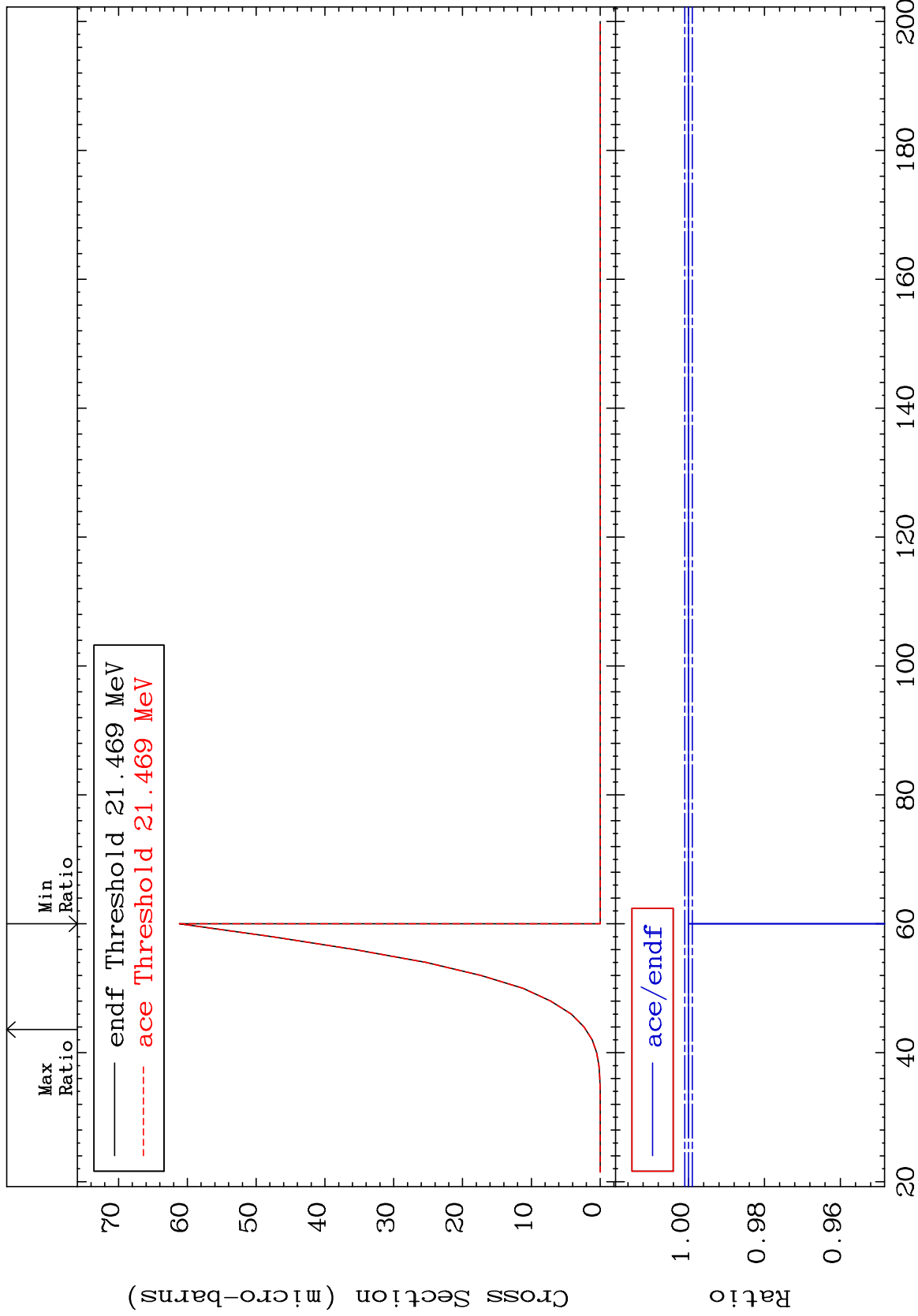
MAT 5728

(n, n'pd)

57-La-139

Cross Section

-100.0 To 0.000 %



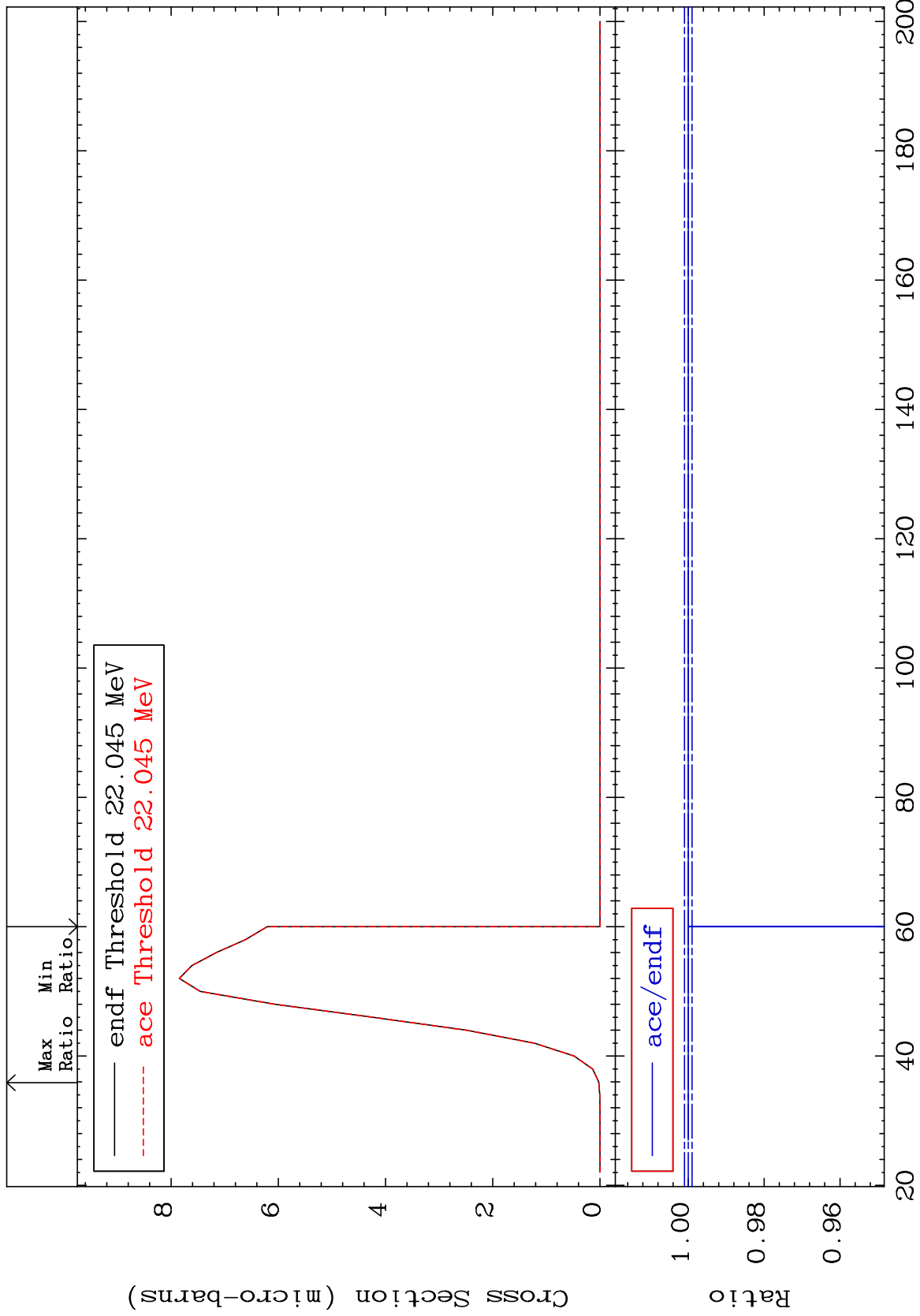
89

57-La-139

MAT 5728

(n, n'pt)
Cross Section

57-La-139
-100.0 To 0.000 %



90

Incident Energy (MeV)

57-La-139

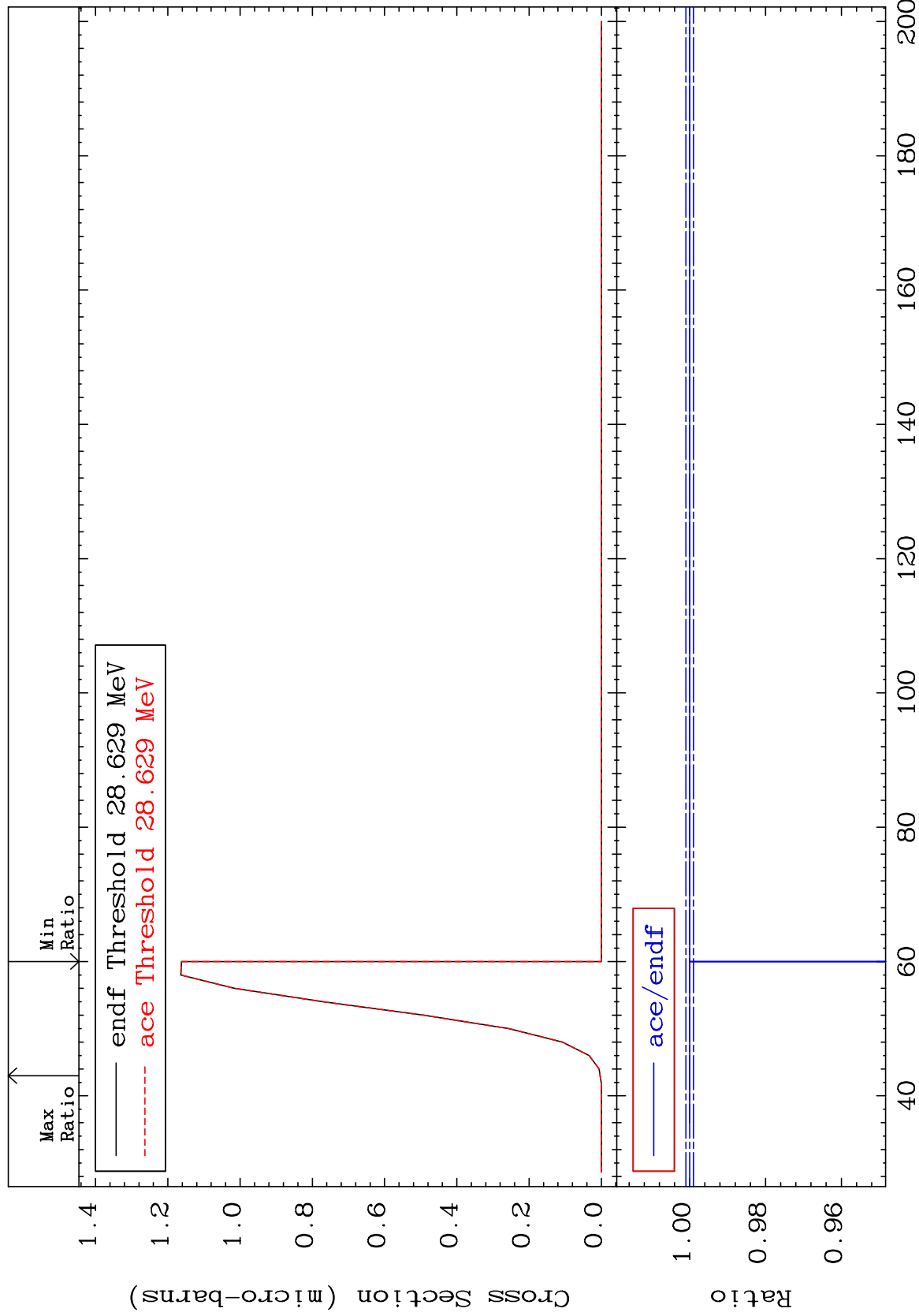
MAT 5728

(n, n' dt)

57-La-139

Cross Section

-100.0 To 0.000 %



91

57-La-139

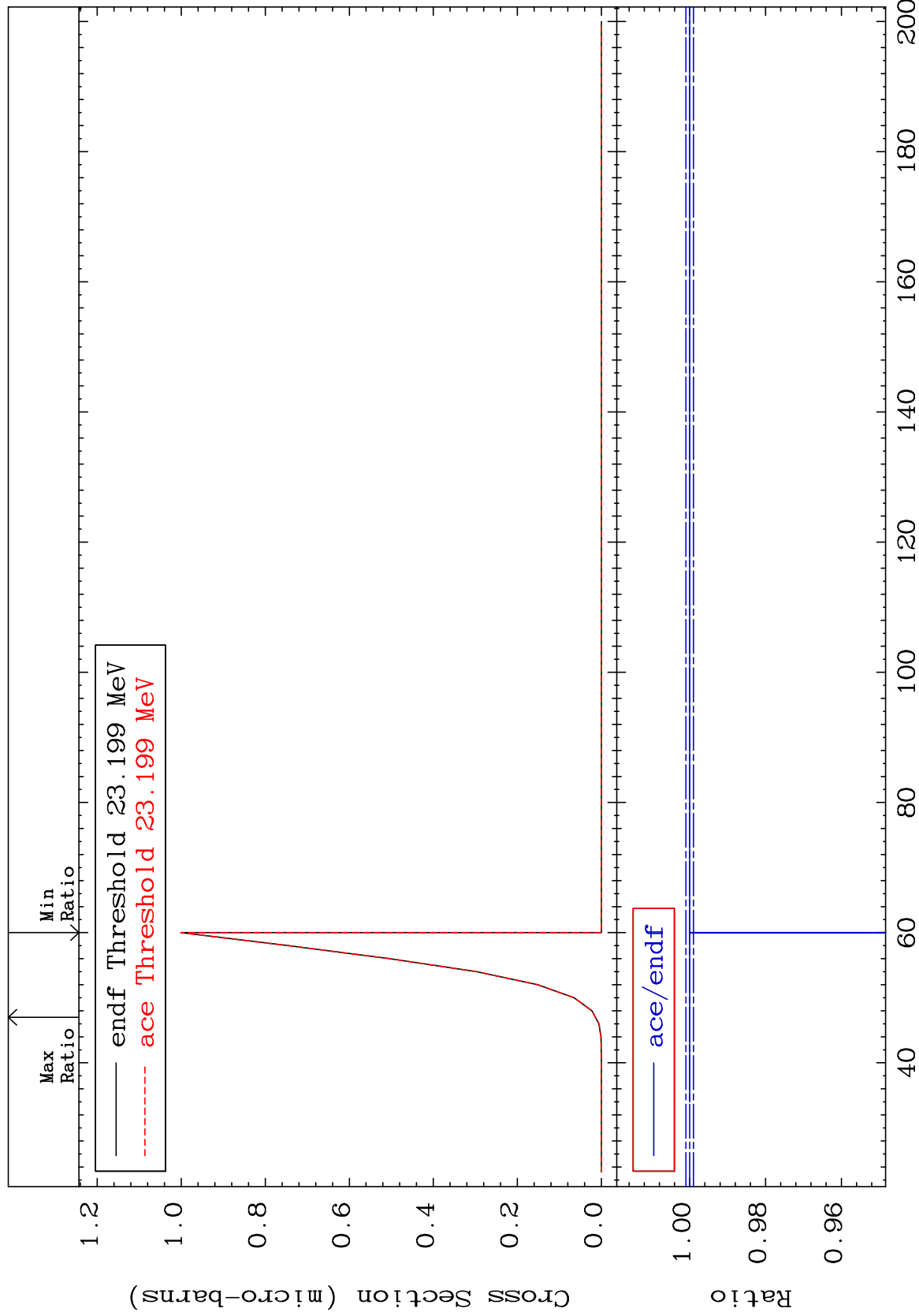
MAT 5728

(n, n'ph)

57-La-139

Cross Section

-100.0 To 0.000 %



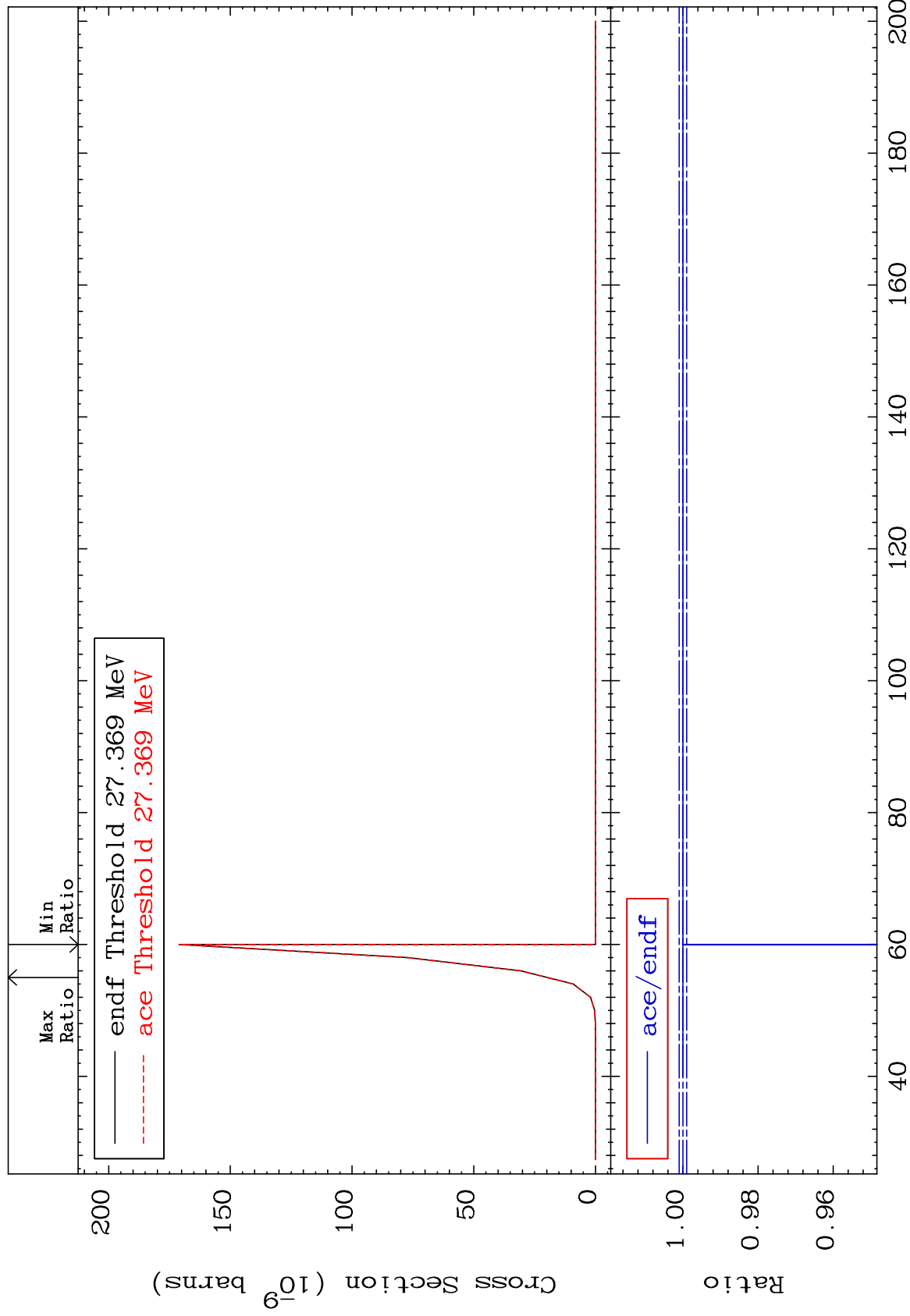
MAT 5728

(n, n' dh)

57-La-139

Cross Section

-100.0 To 0.000 %



93

Incident Energy (MeV)

57-La-139

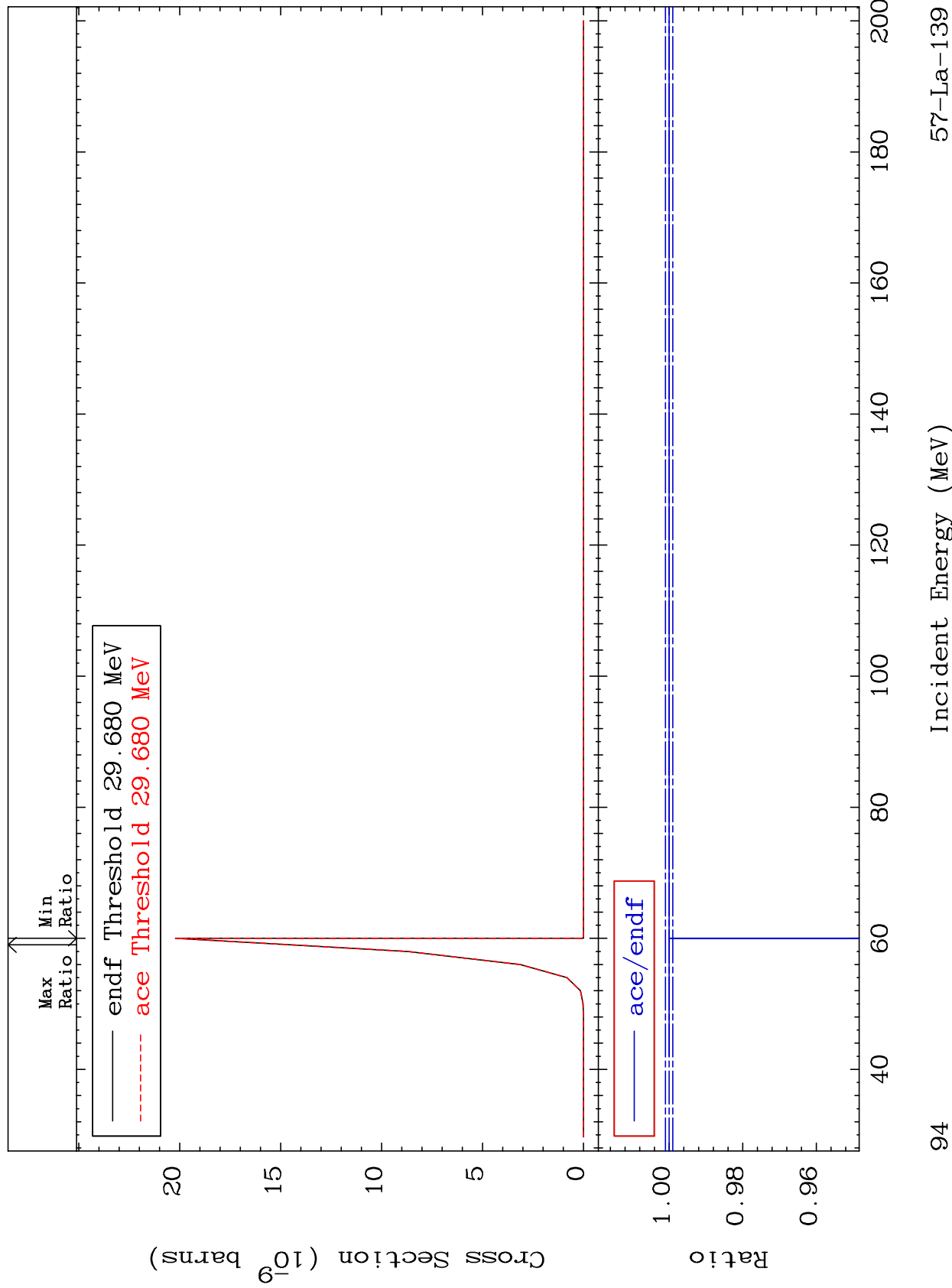
MAT 5728

(n, n' th)

57-La-139

Cross Section

-100.0 To 0.000 %



94

57-La-139

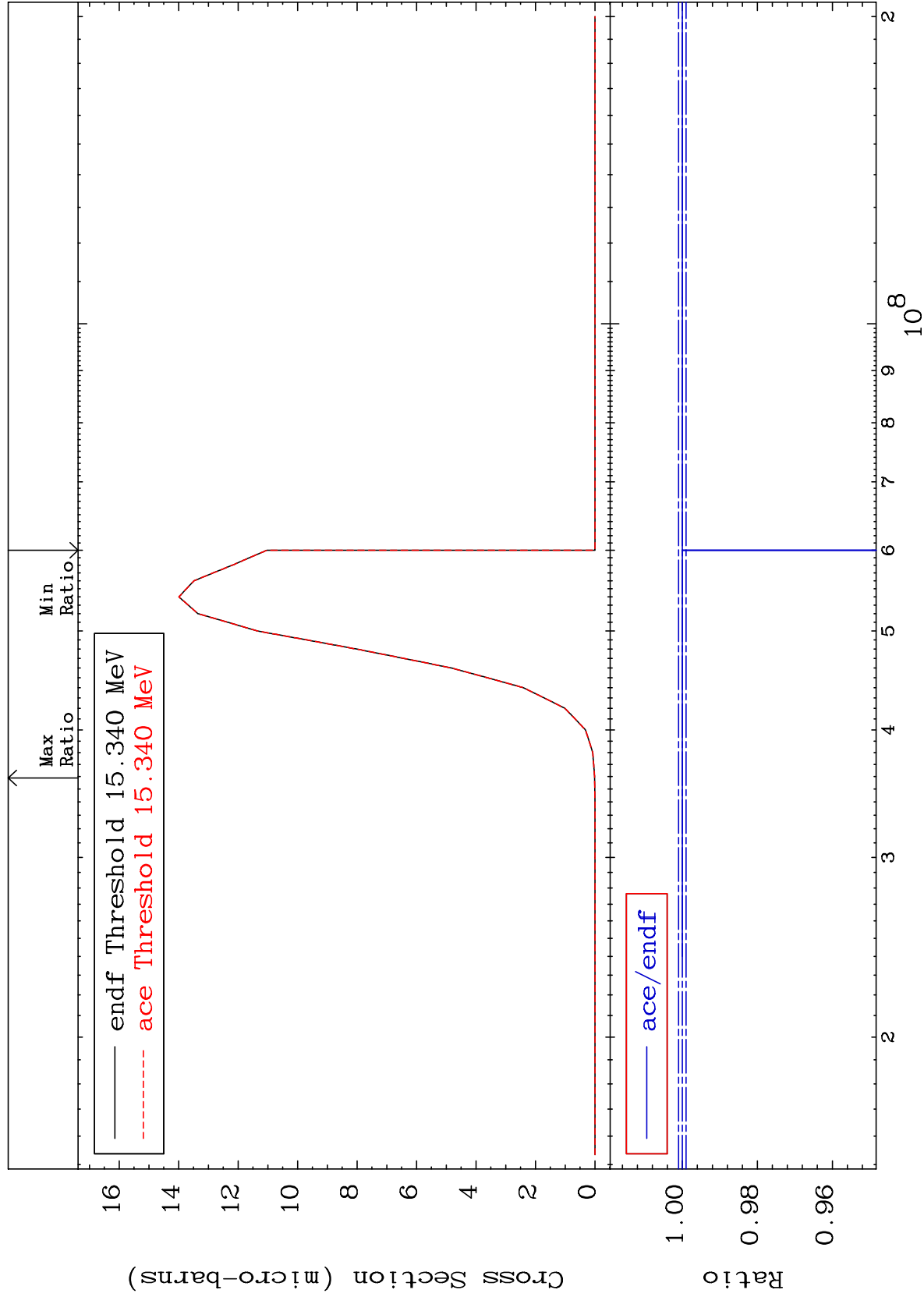
MAT 5728

(n, n'α)

57-La-139

Cross Section

-100.0 To 0.000 %



95

Incident Energy (eV)

57-La-139

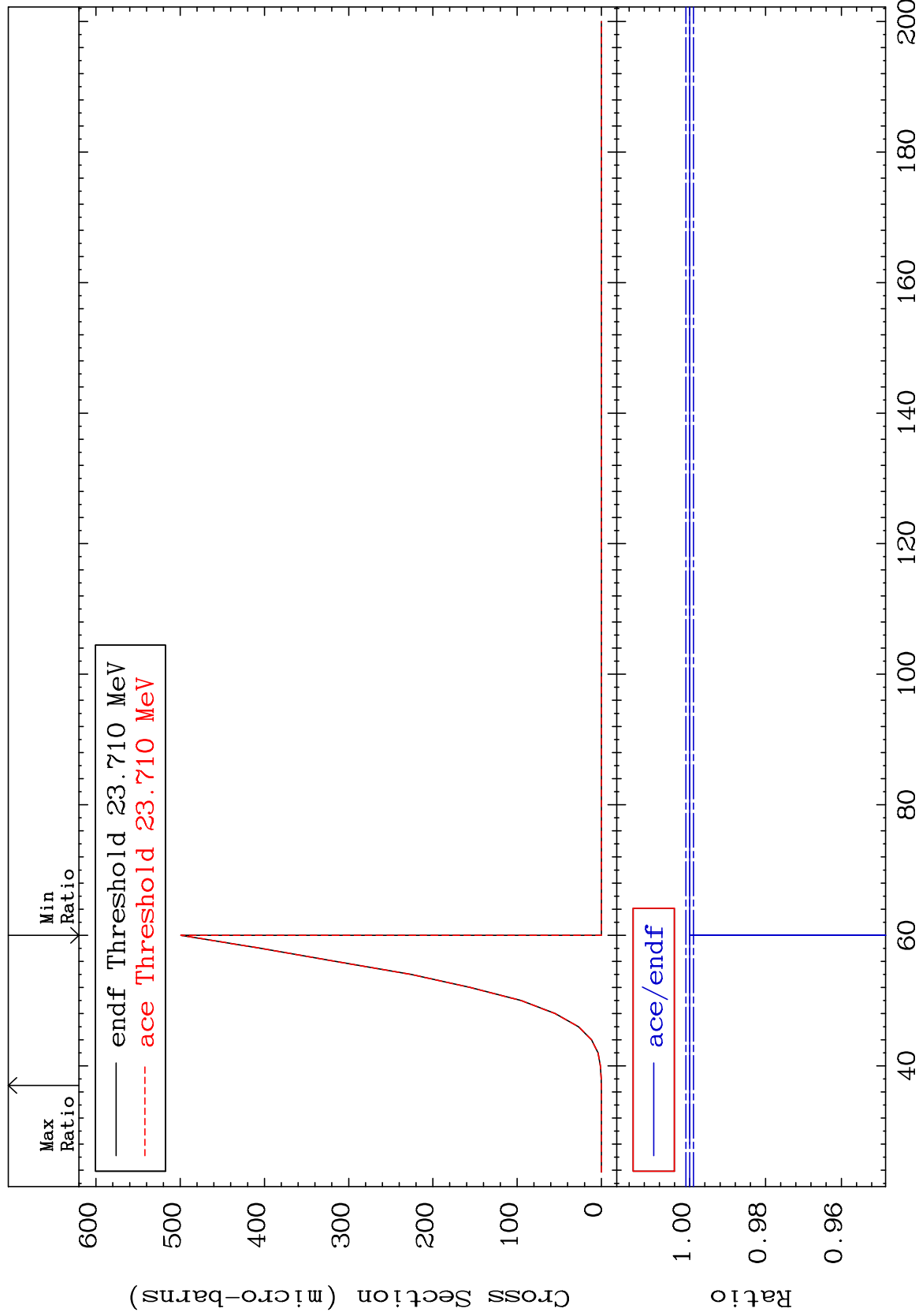
MAT 5728

(n, 2n2p)

57-La-139

Cross Section

-100.0 To 0.000 %



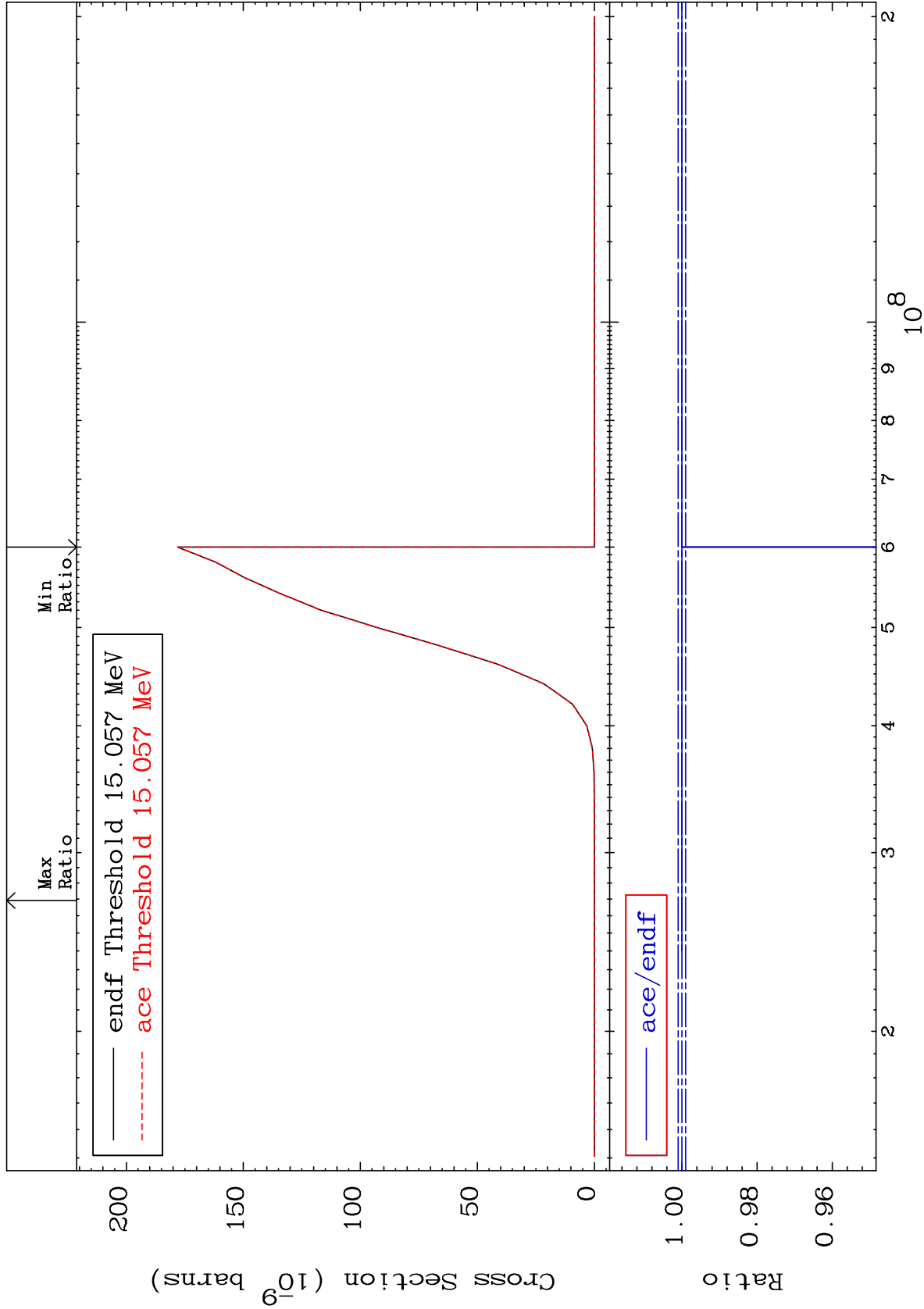
MAT 5728

(n,ph)

57-La-139

Cross Section

-100.0 To 0.000 %



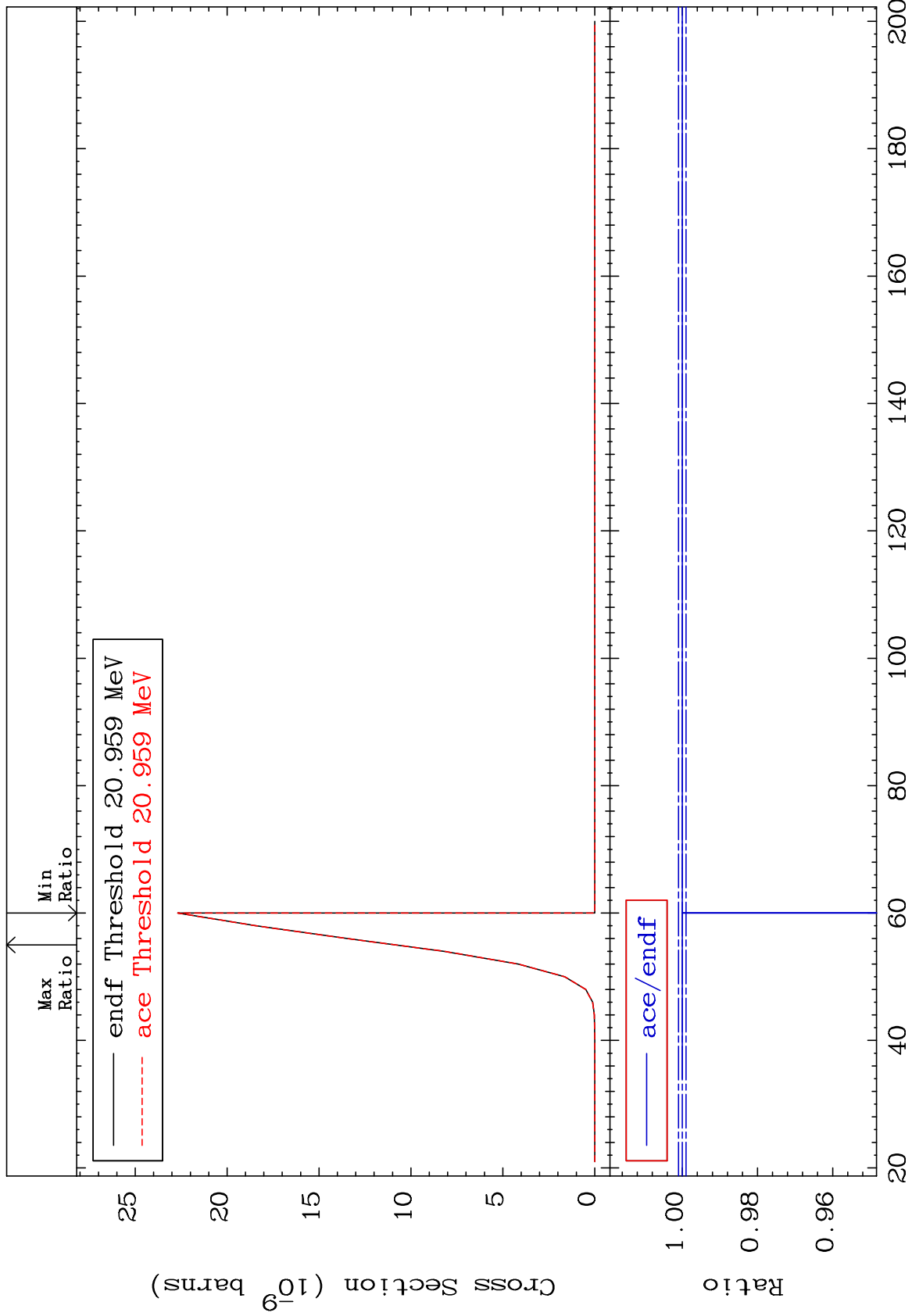
97

57-La-139

MAT 5728

(n, dh)
Cross Section

57-La-139
-100.0 To 0.000 %



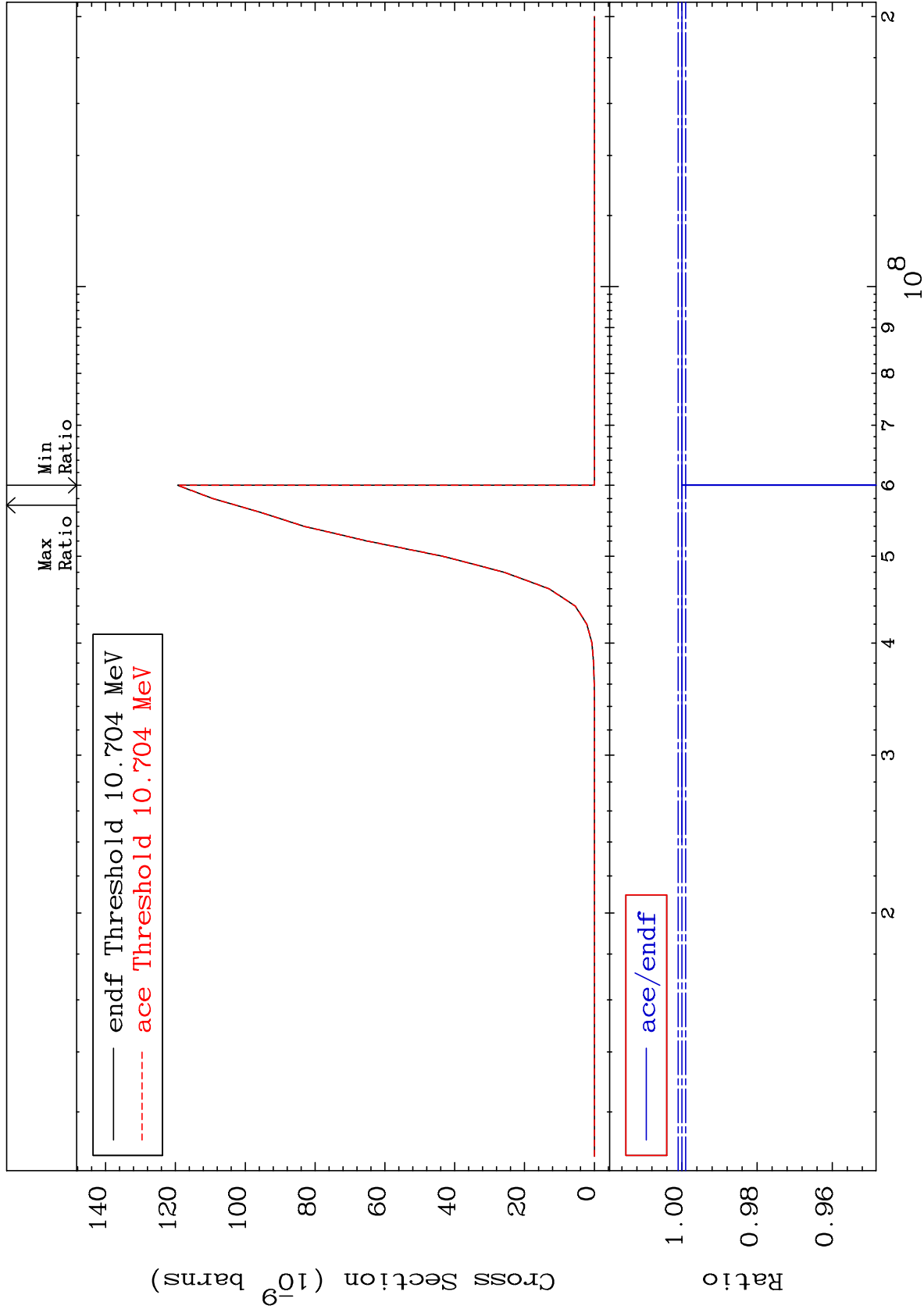
98

Incident Energy (MeV)

57-La-139

MAT 5728

(n, h α)
Cross Section
57-La-139
-100.0 To 0.000 %



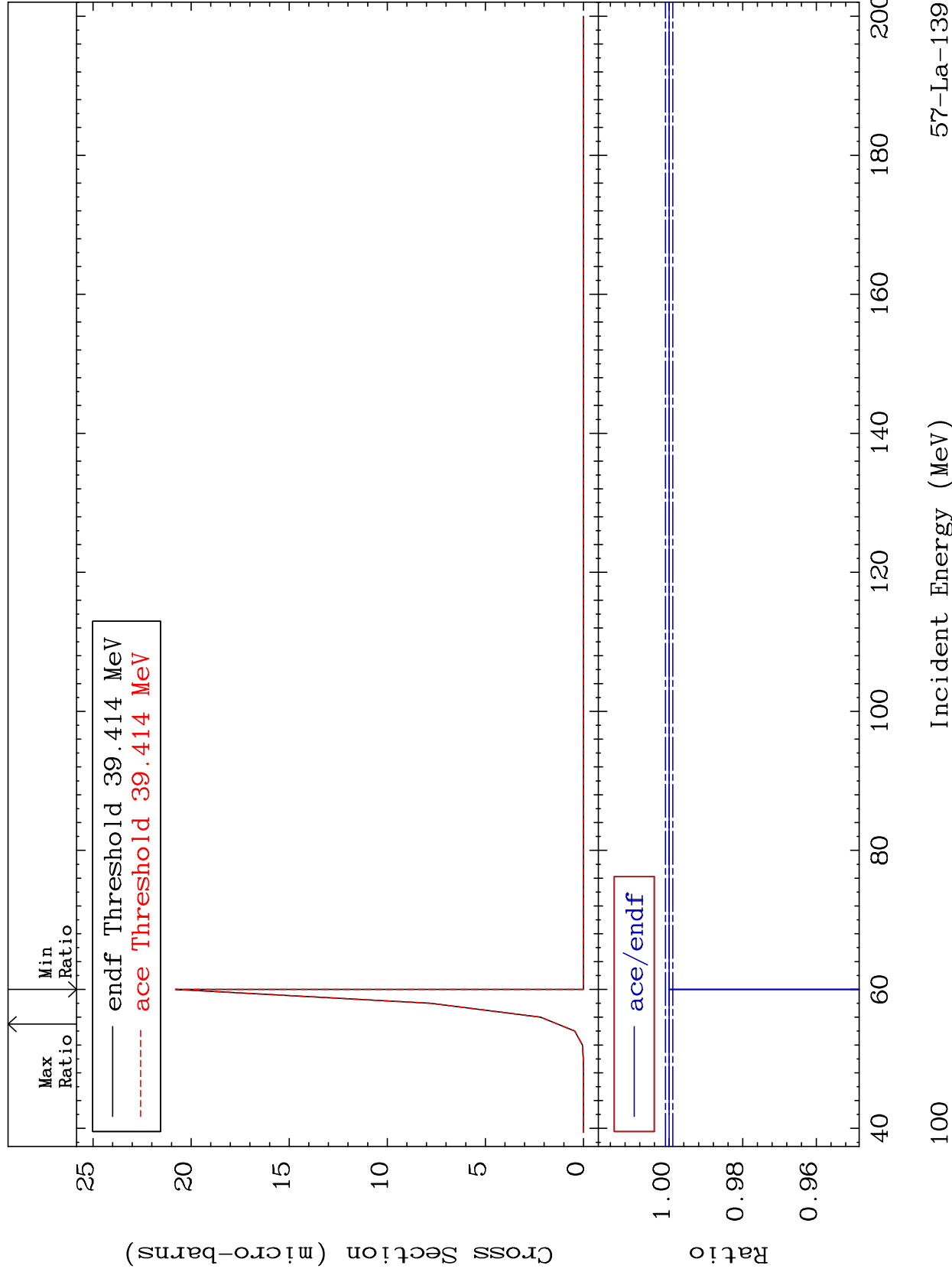
MAT 5728

(n, 4n2p)

57-La-139

Cross Section

-100.0 To 0.000 %



100

Incident Energy (MeV)

57-La-139

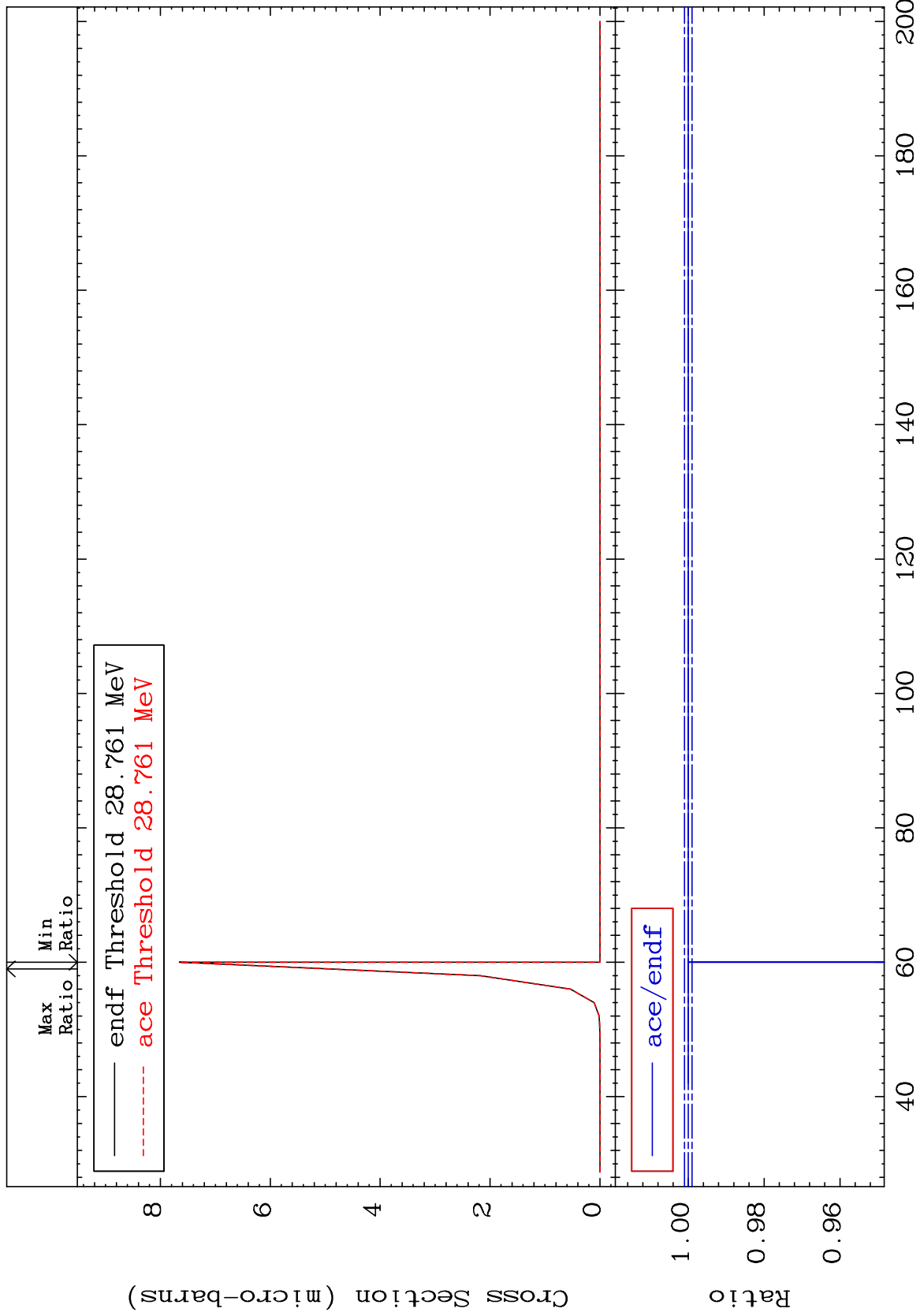
MAT 5728

(n, 4n2α)

57-La-139

Cross Section

-100.0 To 0.000 %



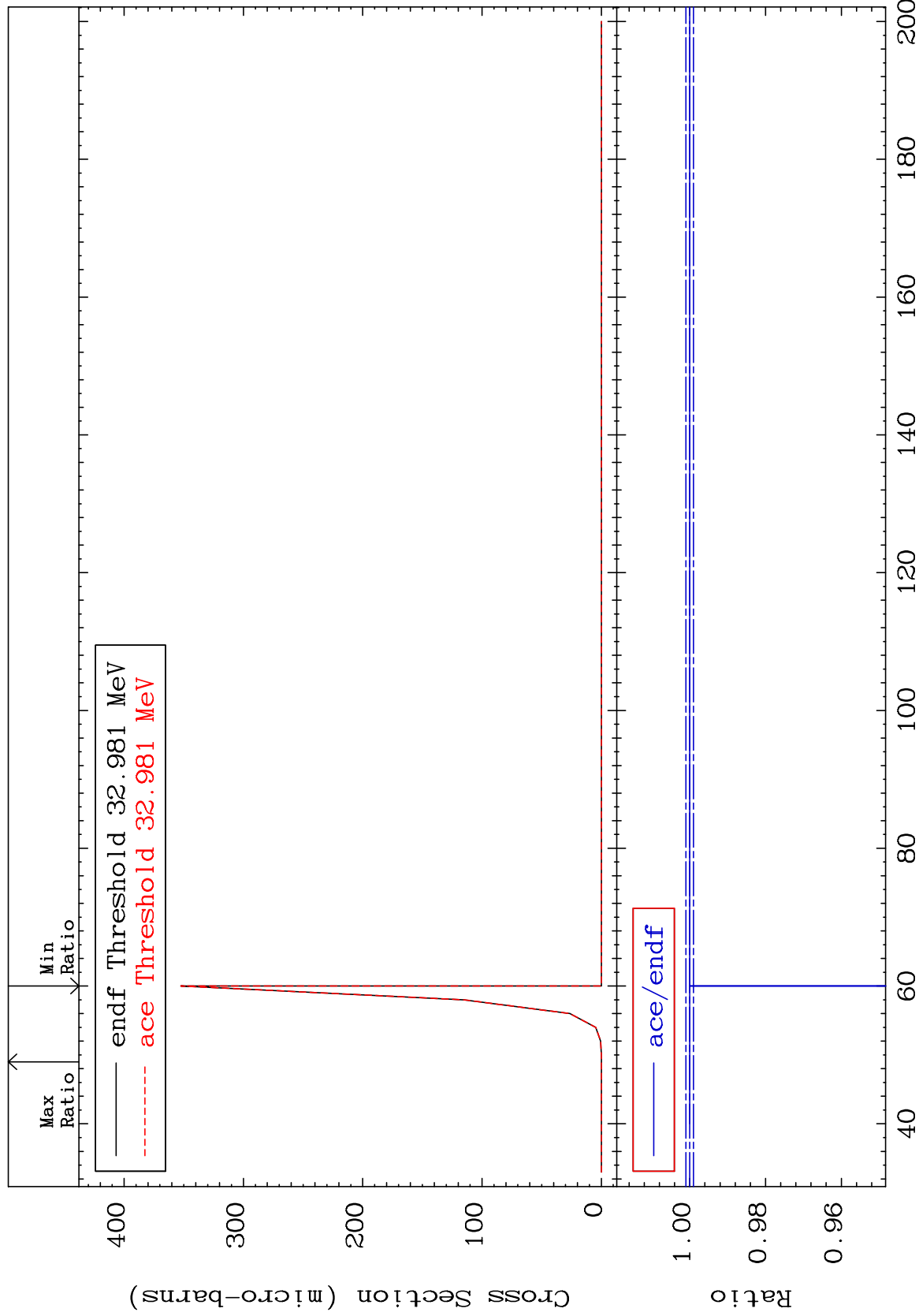
MAT 5728

(n, 4npα)

57-La-139

Cross Section

-100.0 To 0.000 %



102

57-La-139

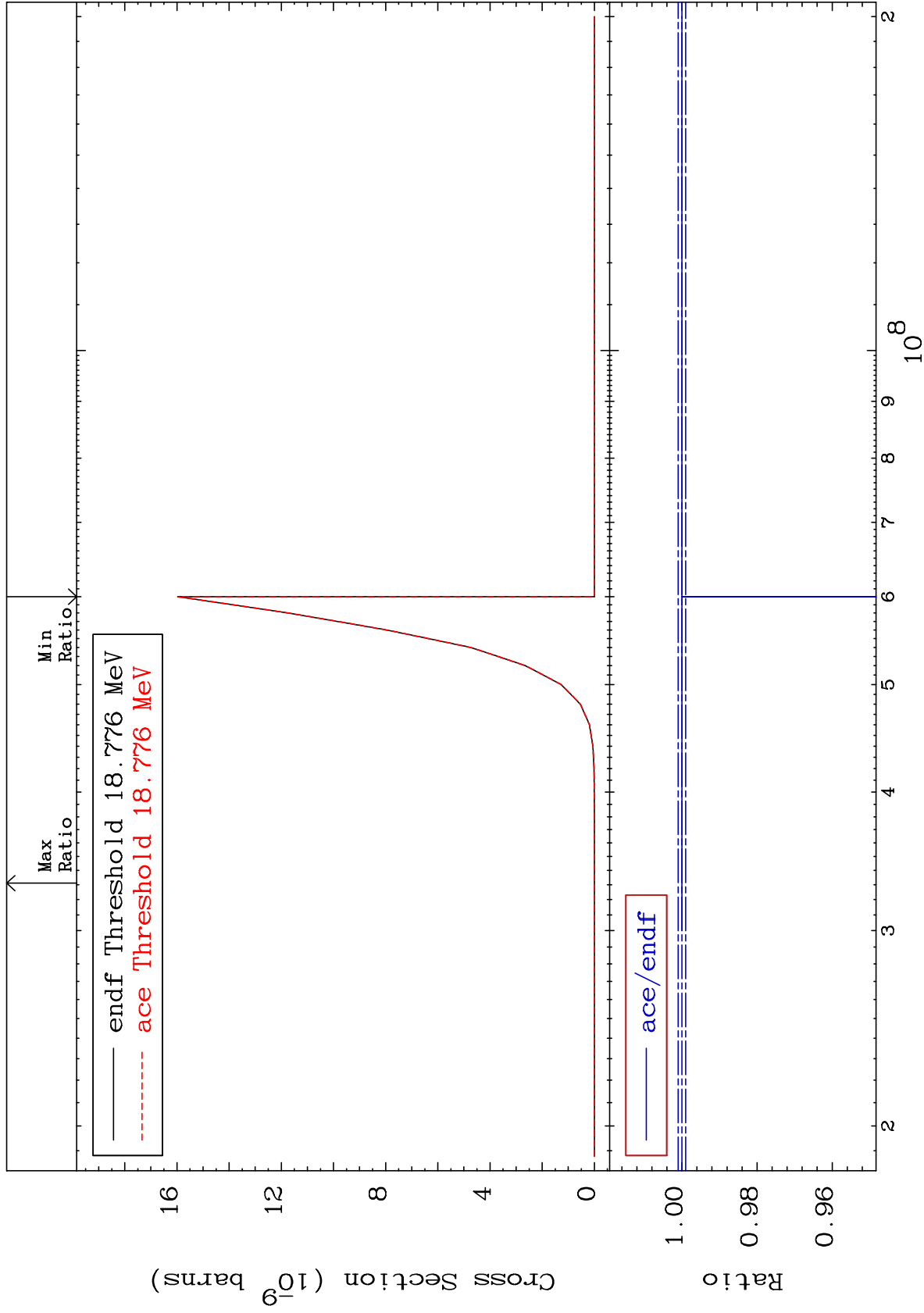
MAT 5728

(n, 3p)

57-La-139

Cross Section

-100.0 To 0.000 %



103

Incident Energy (eV)

57-La-139

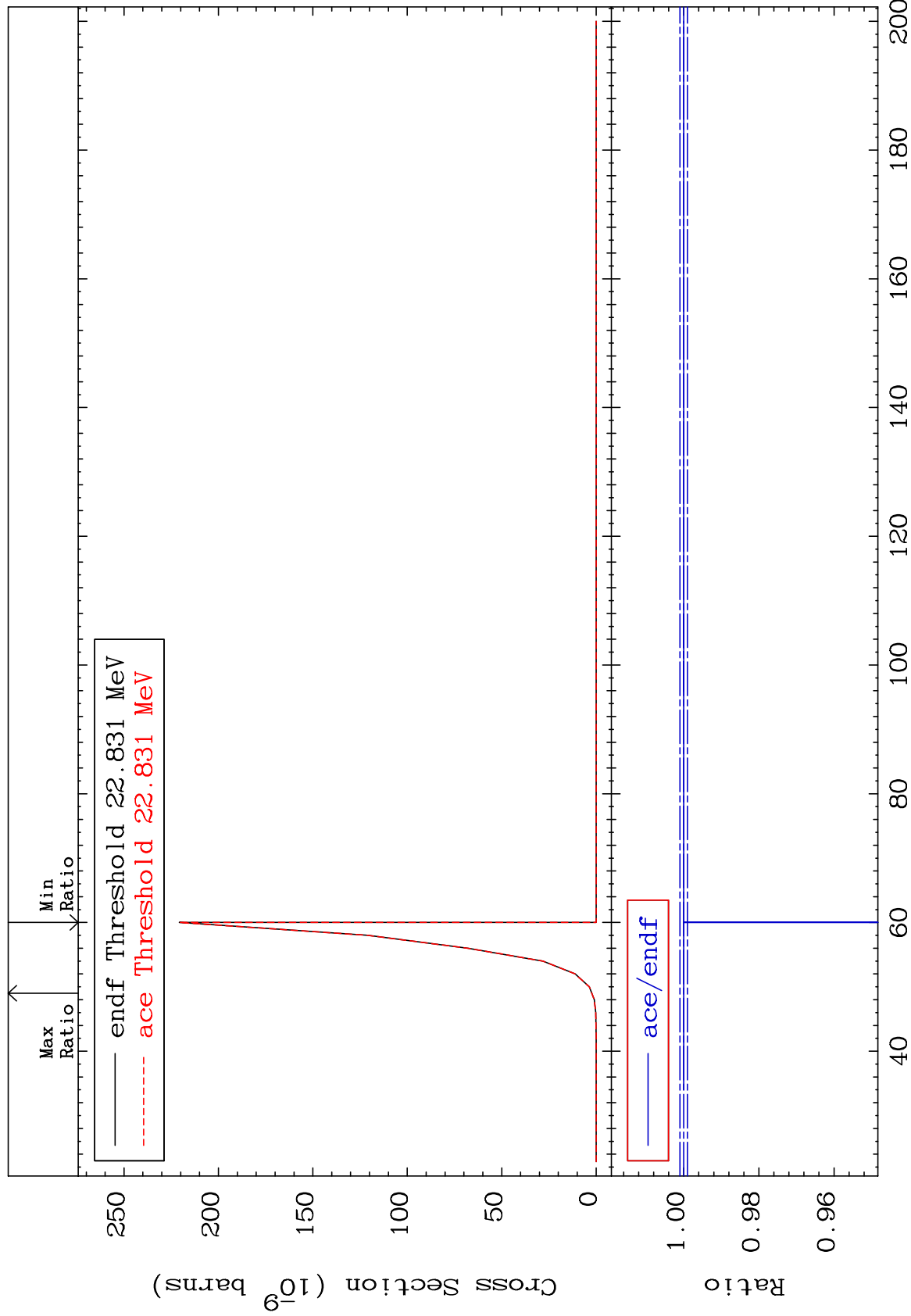
MAT 5728

(n, n'3p)

57-La-139

Cross Section

-100.0 To 0.000 %



104

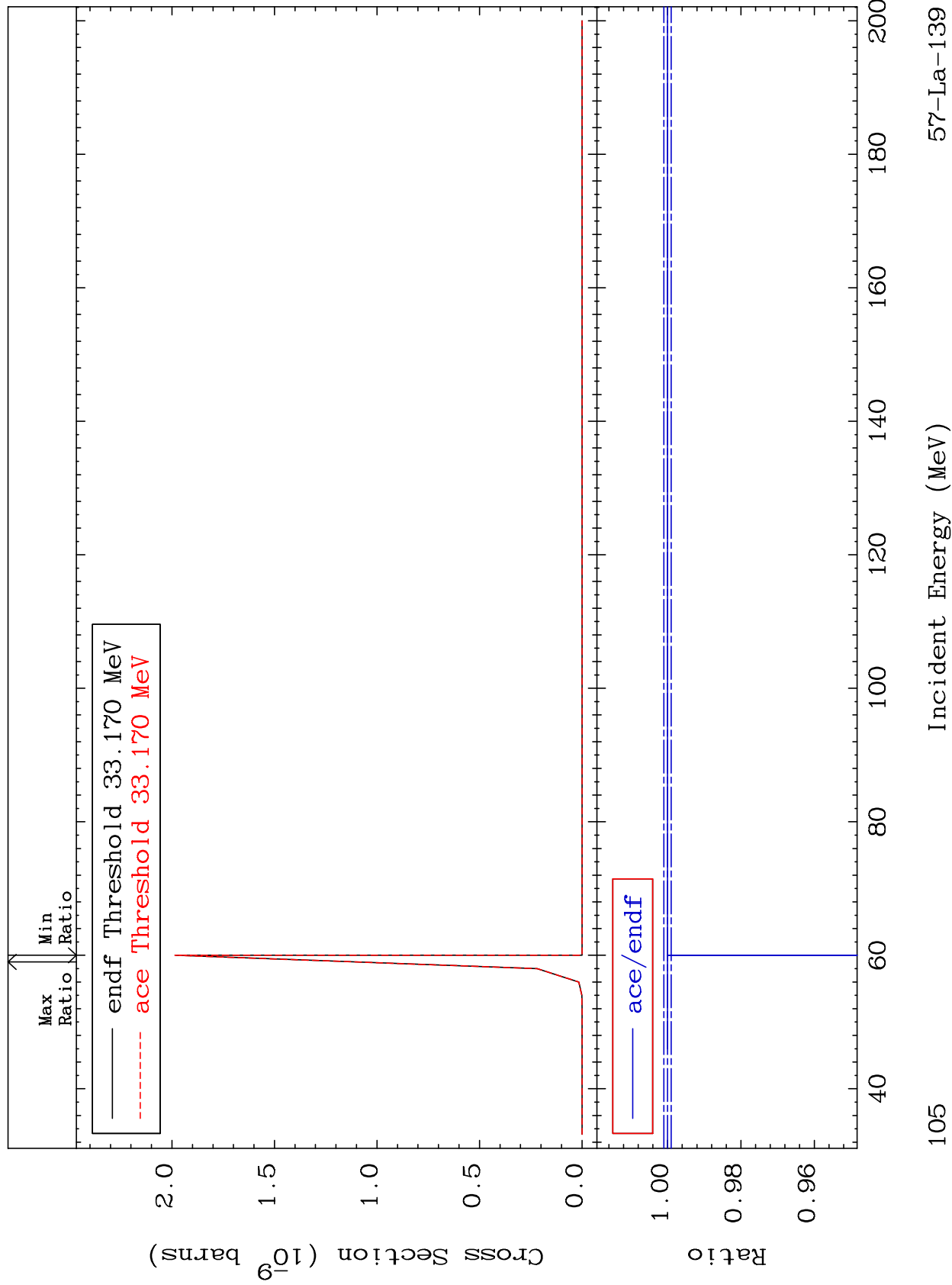
Incident Energy (MeV)

57-La-139

MAT 5728

(n, 3n2pα)
Cross Section

57-La-139
-100.0 To 0.000 %



105

57-La-139

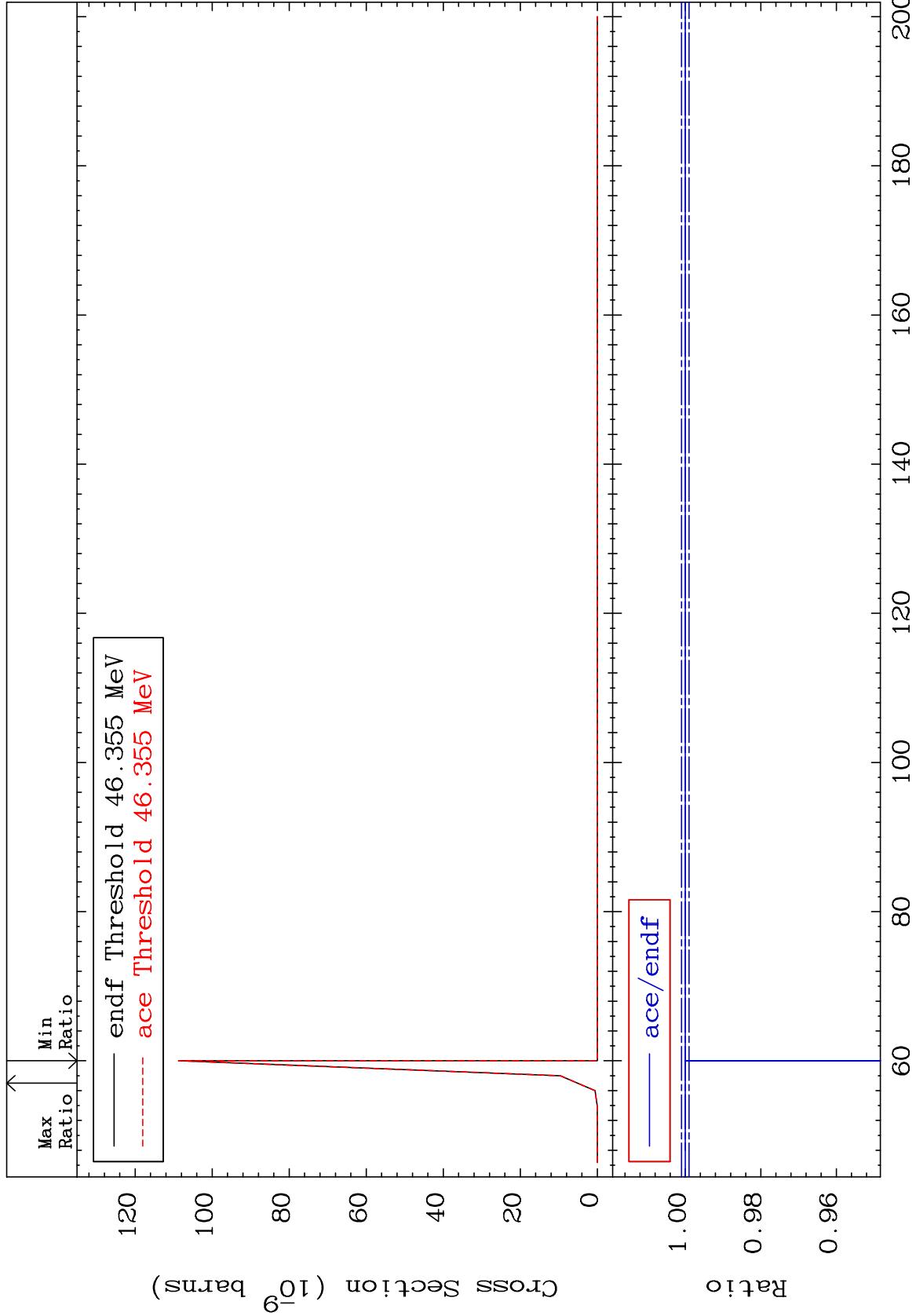
MAT 5728

(n, 5n2p)

57-La-139

Cross Section

-100.0 To 0.000 %



106

Incident Energy (MeV)

57-La-139