

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

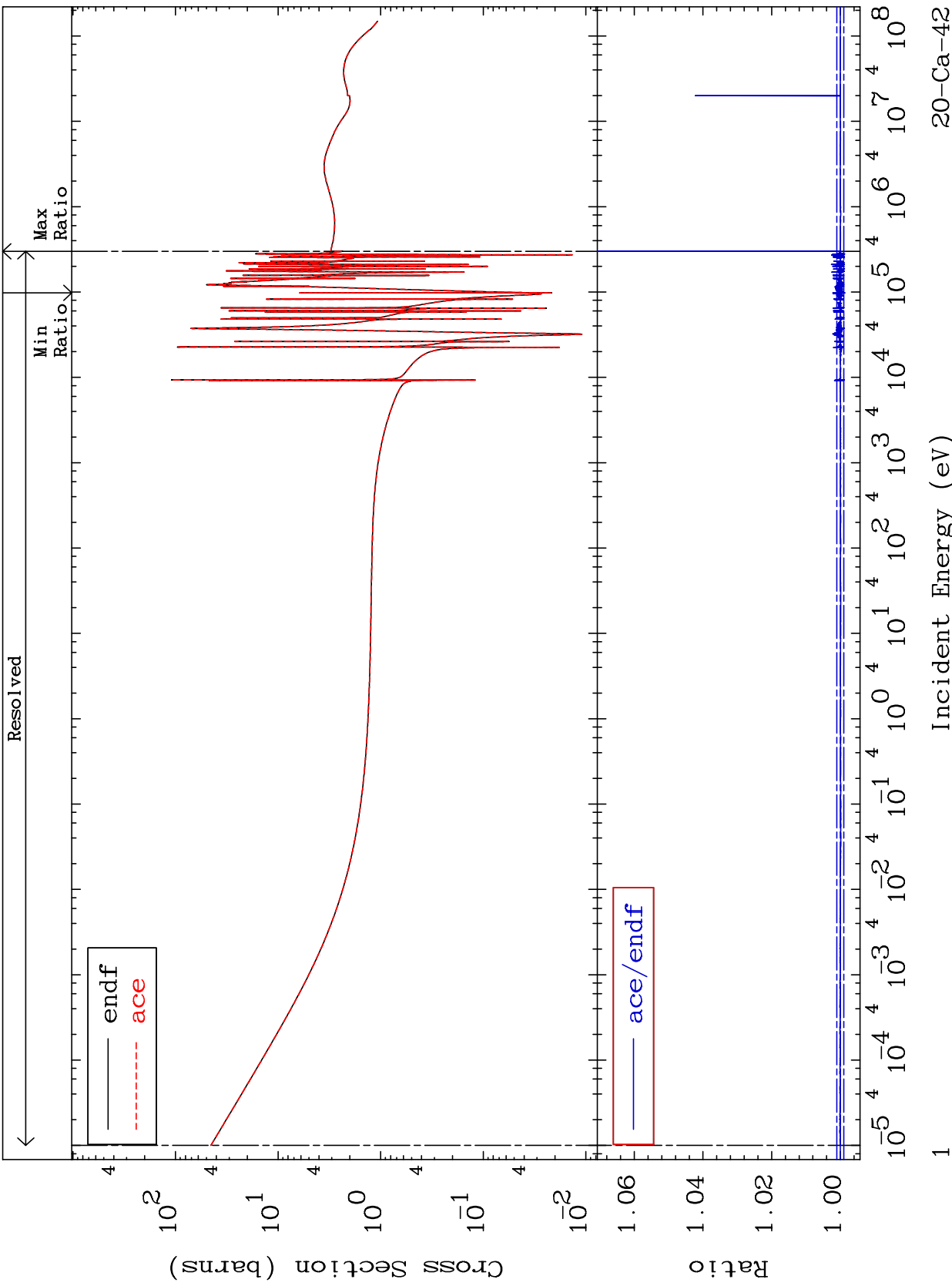
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2031

Total
Cross Section

20-Ca-42
-0.137 To 13.09 %

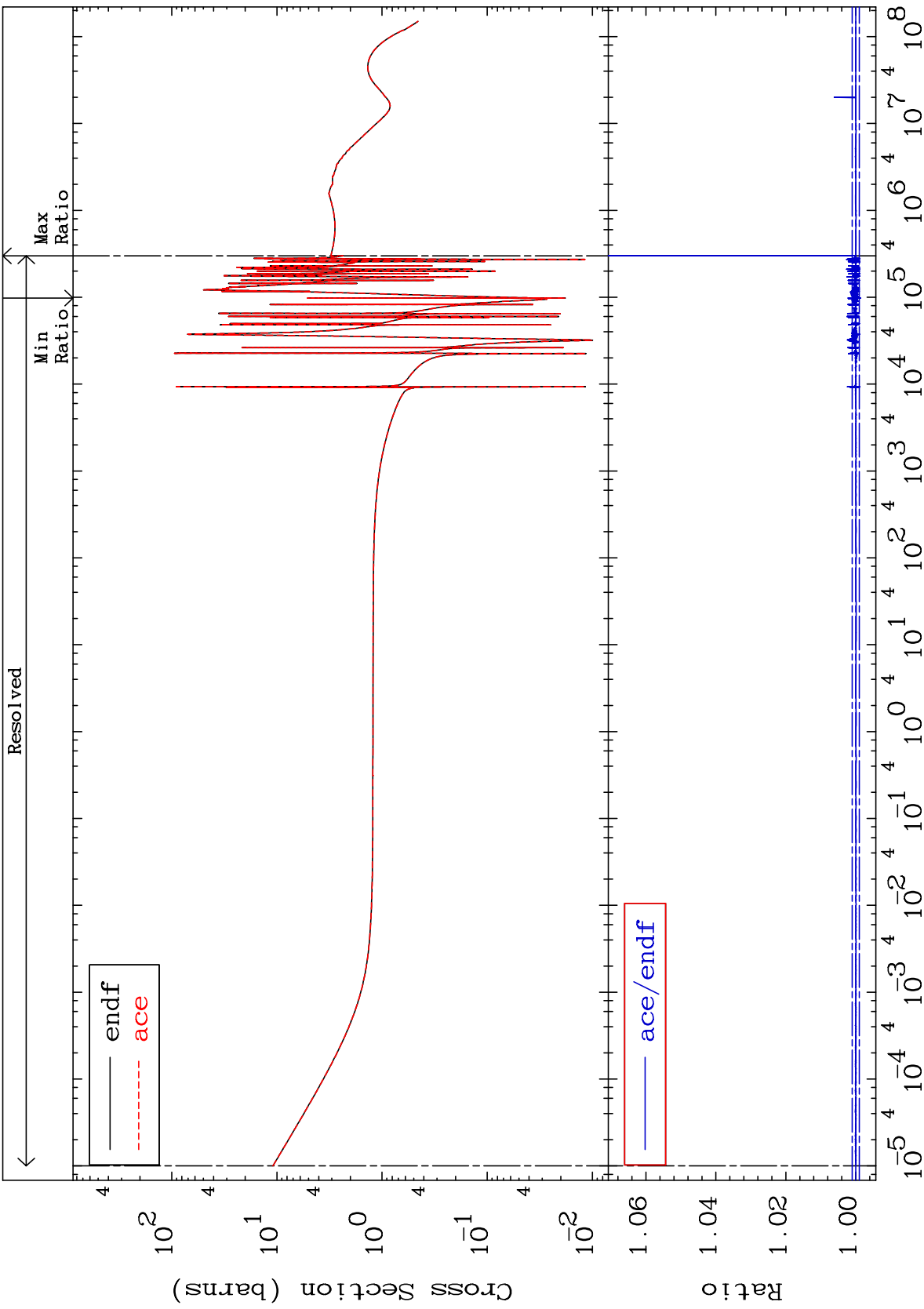


20-Ca-42

MAT 2031

Elastic Cross Section

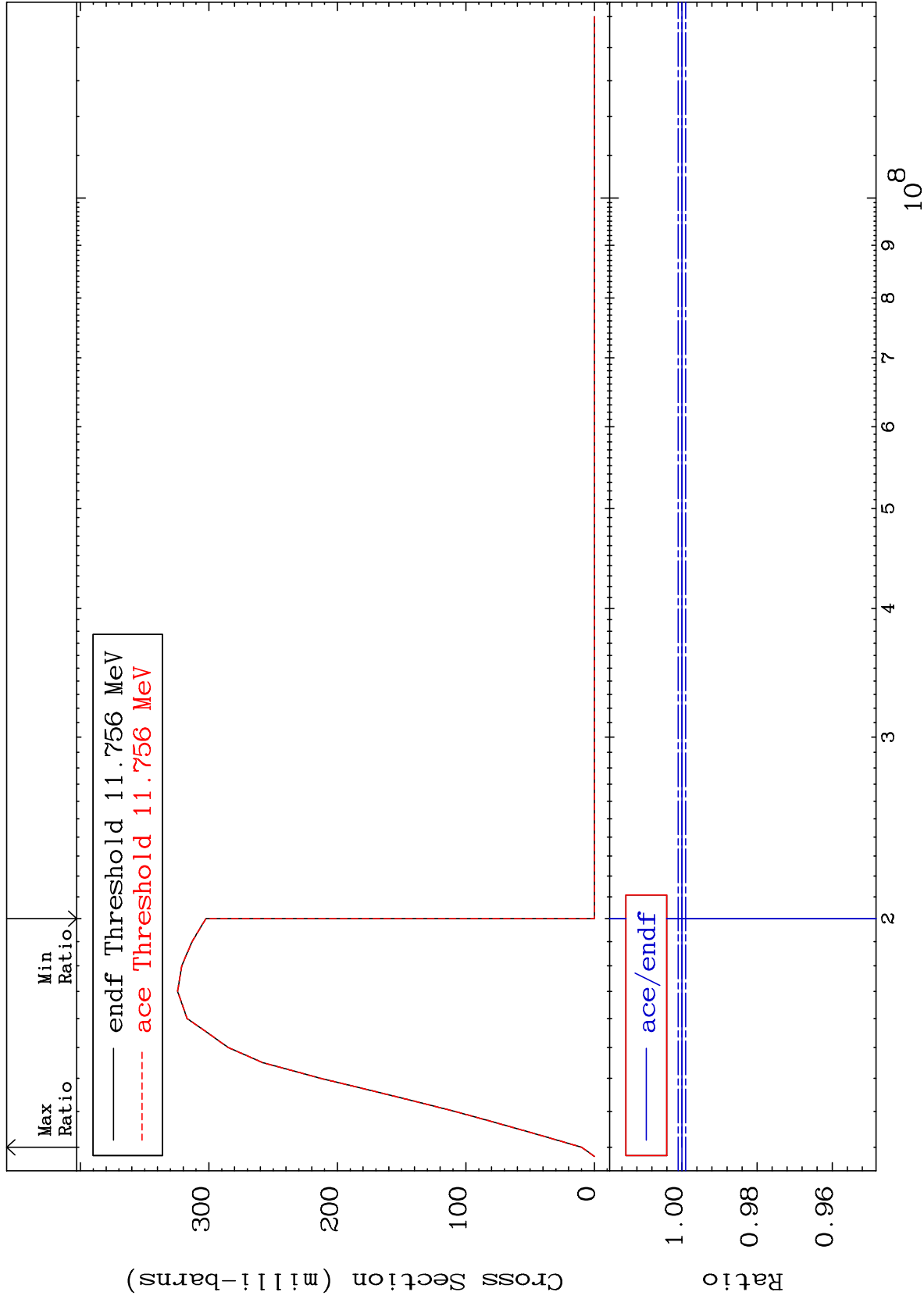
20-Ca-42
-0.138 To 13.01 %



MAT 2031

(n,2n)
Cross Section

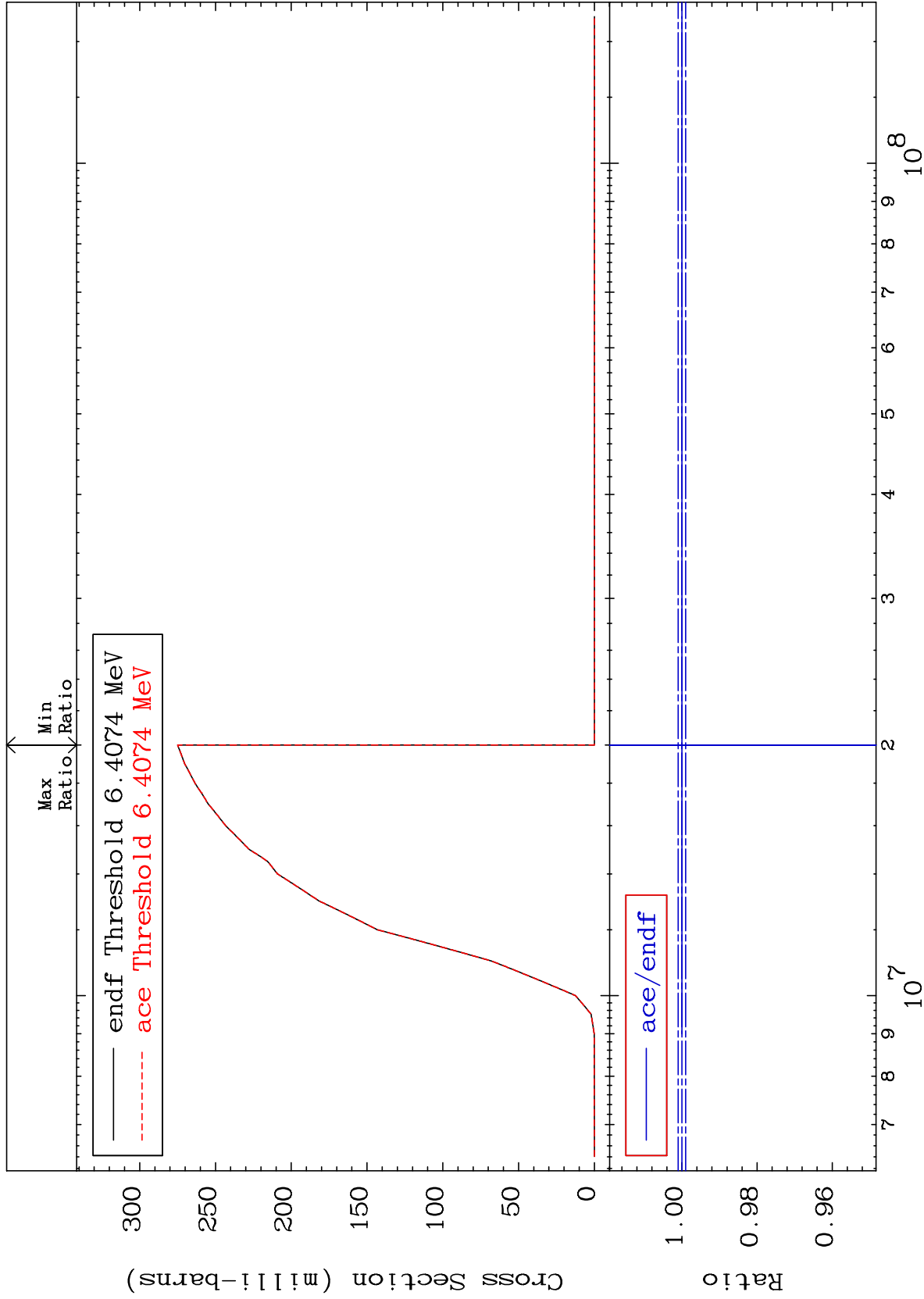
20-Ca-42
-100.0 To 0.000 %



MAT 2031

(n, n') α
Cross Section

20-Ca-42
-100.0 To 0.000 %



4

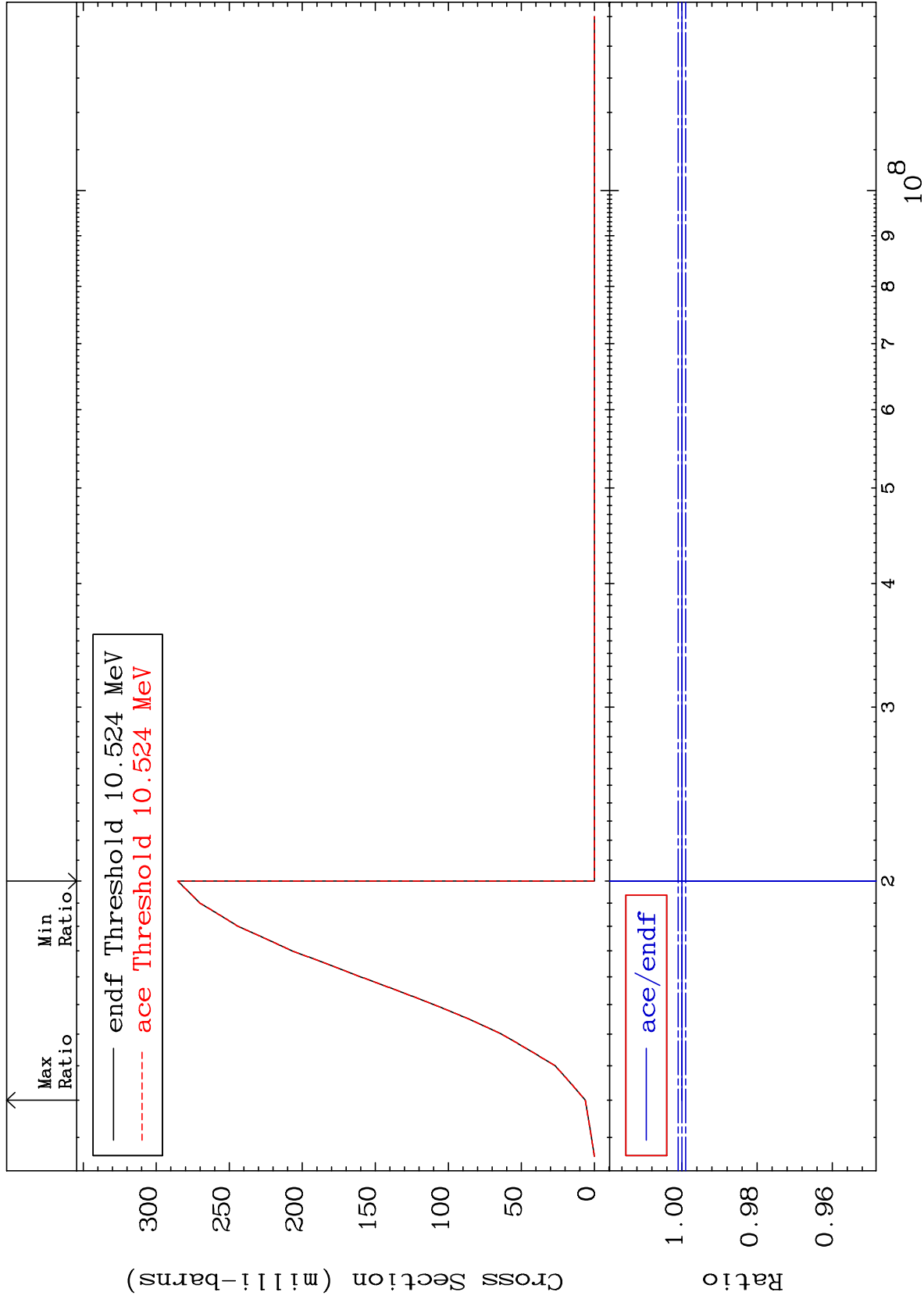
Incident Energy (eV)

20-Ca-42

MAT 2031

(n, n') p
Cross Section

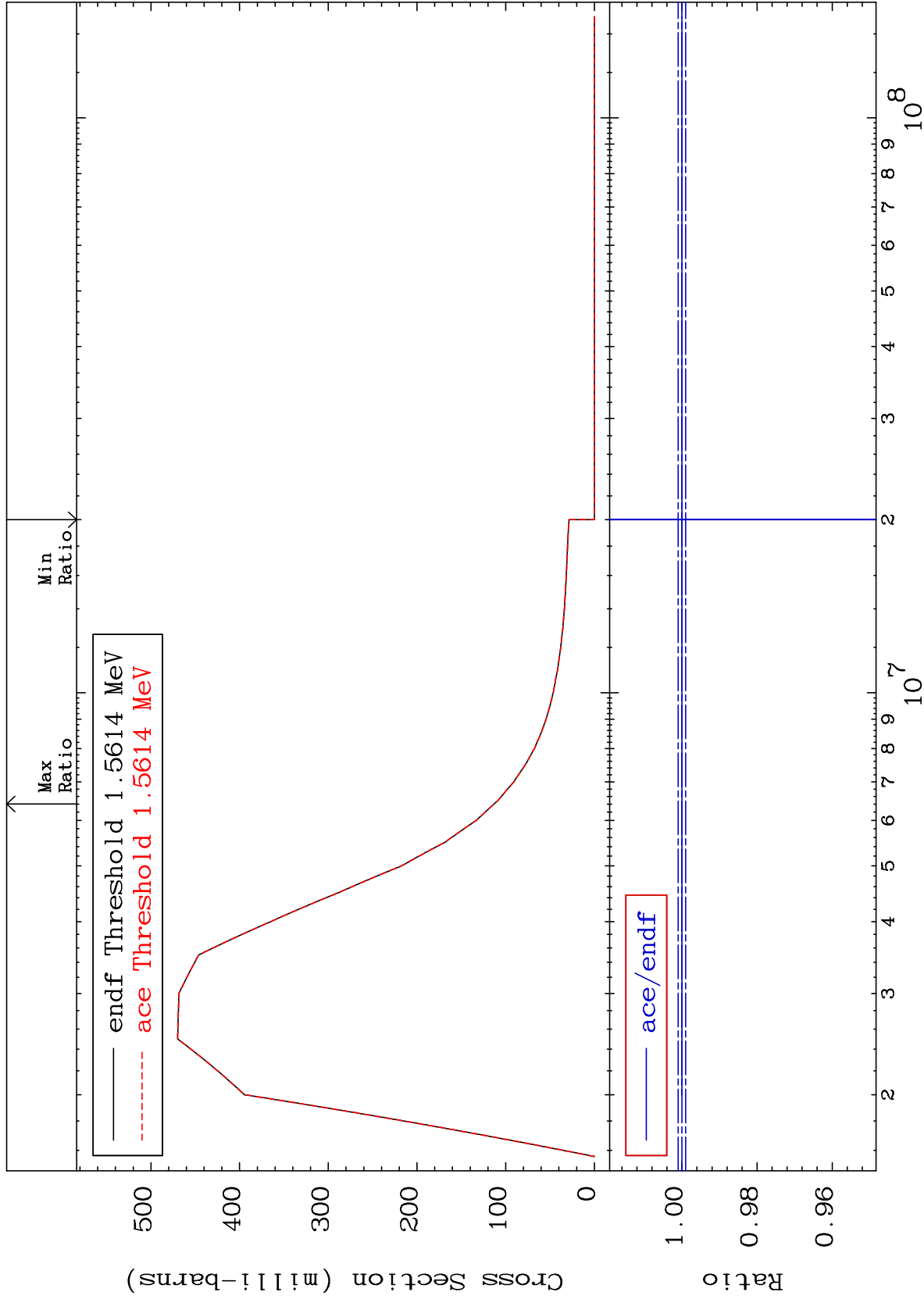
20-Ca-42
-100.0 To 0.000 %



MAT 2031

1.525 MeV (n,n') Level
Cross Section

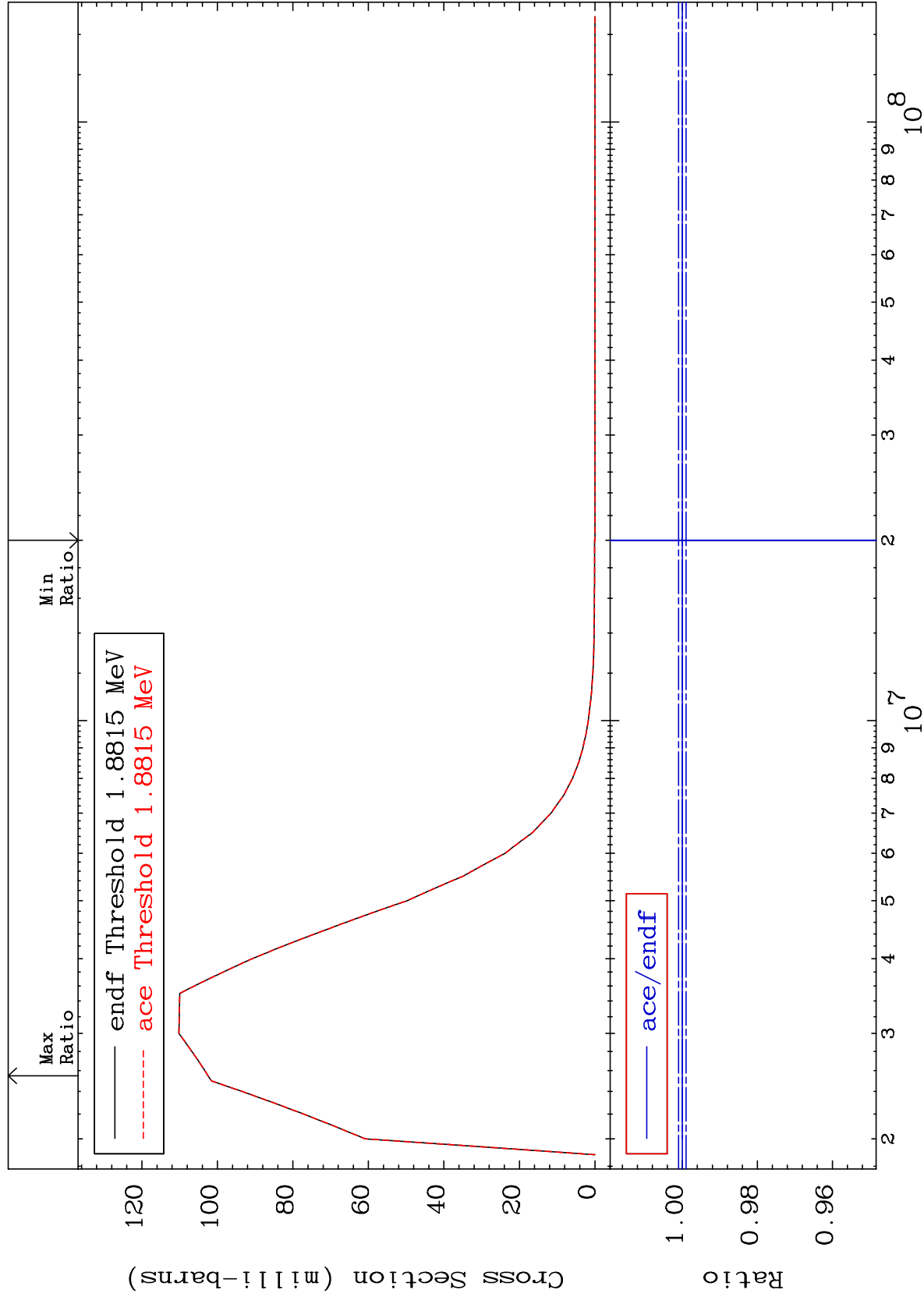
20-Ca-42
-100.0 To 0.000 %



MAT 2031

1.837 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



7

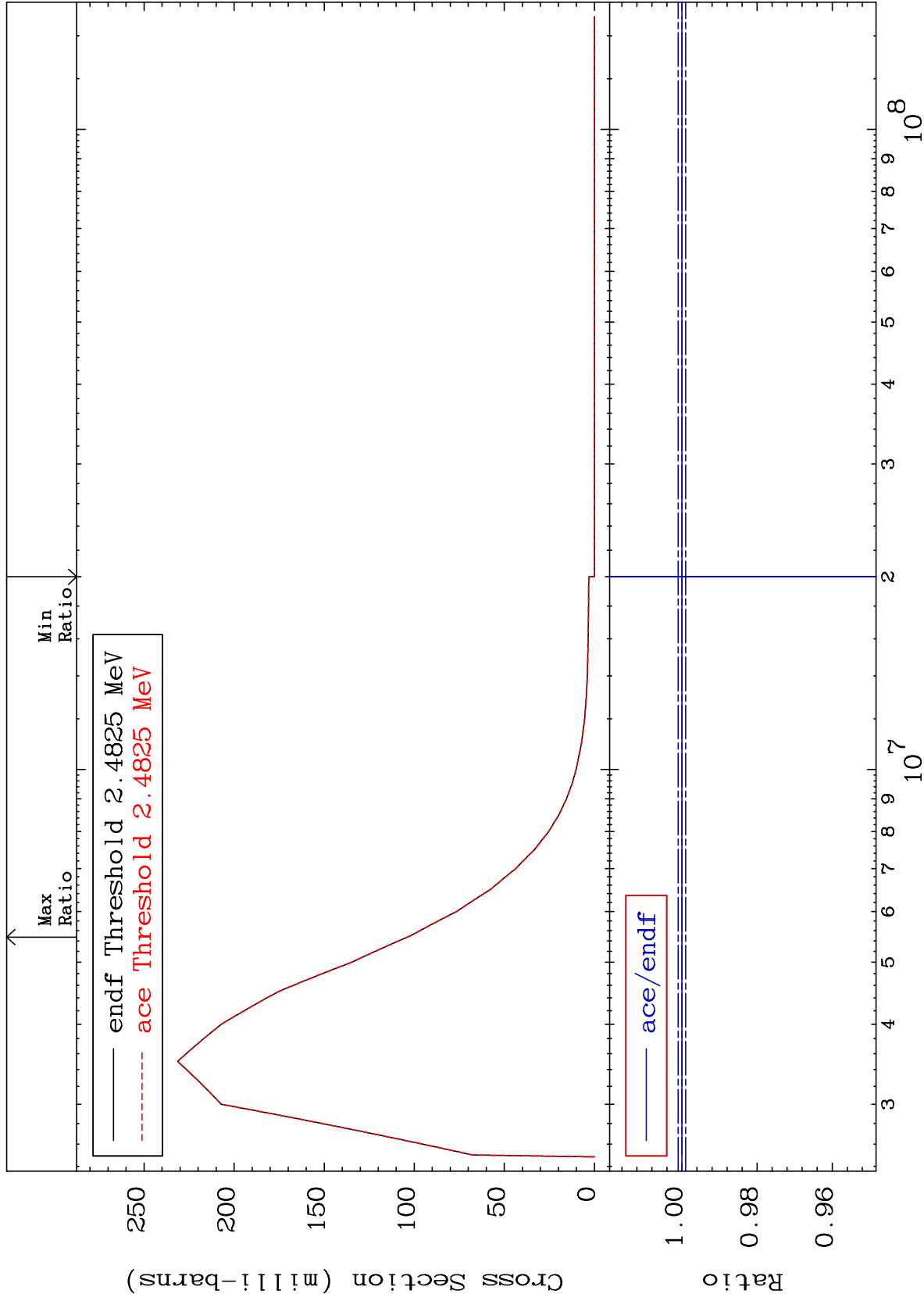
Incident Energy (eV)

20-Ca-42

MAT 2031

2.424 MeV (n,n') Level
Cross Section

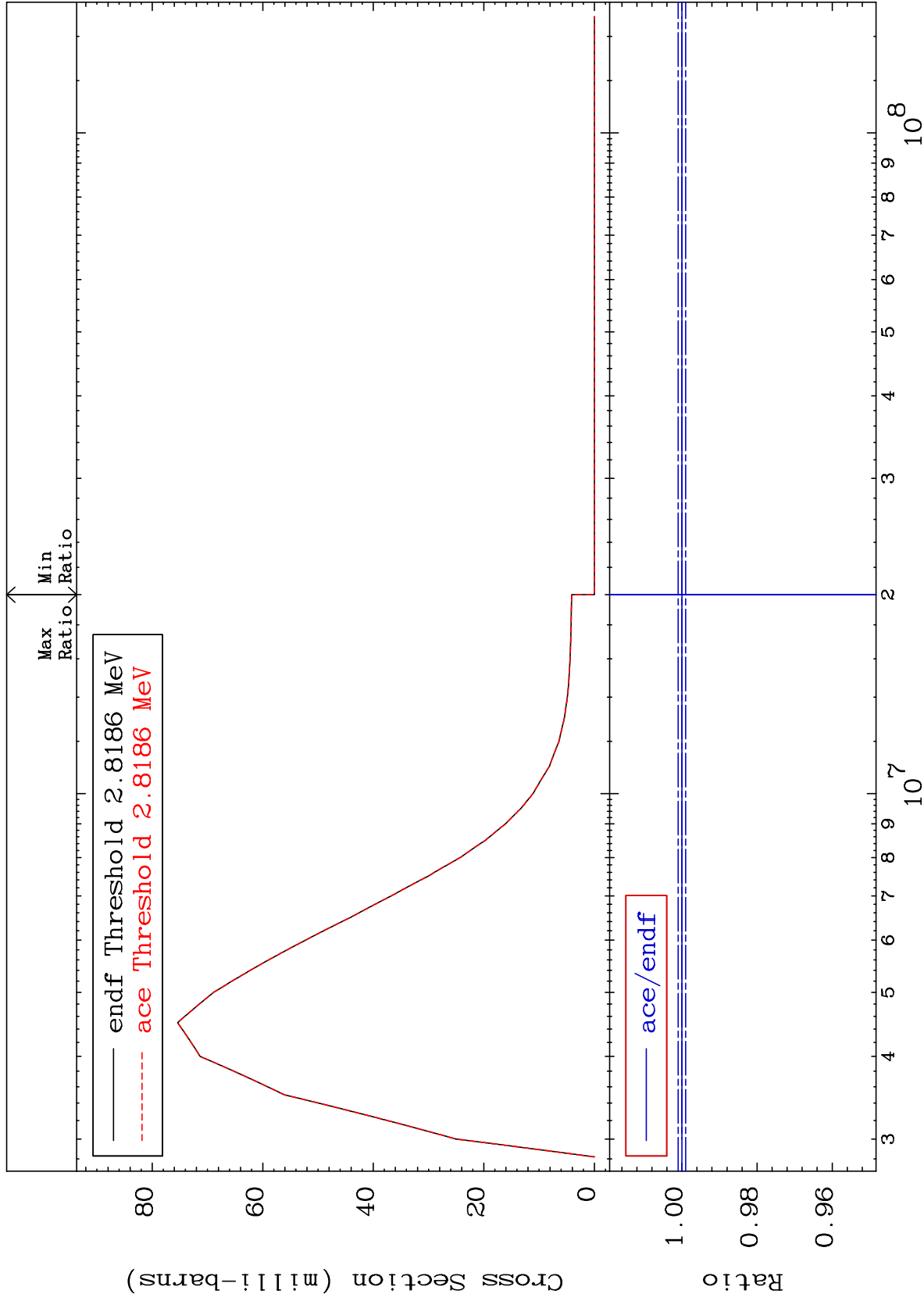
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.752 MeV (n,n') Level
Cross Section

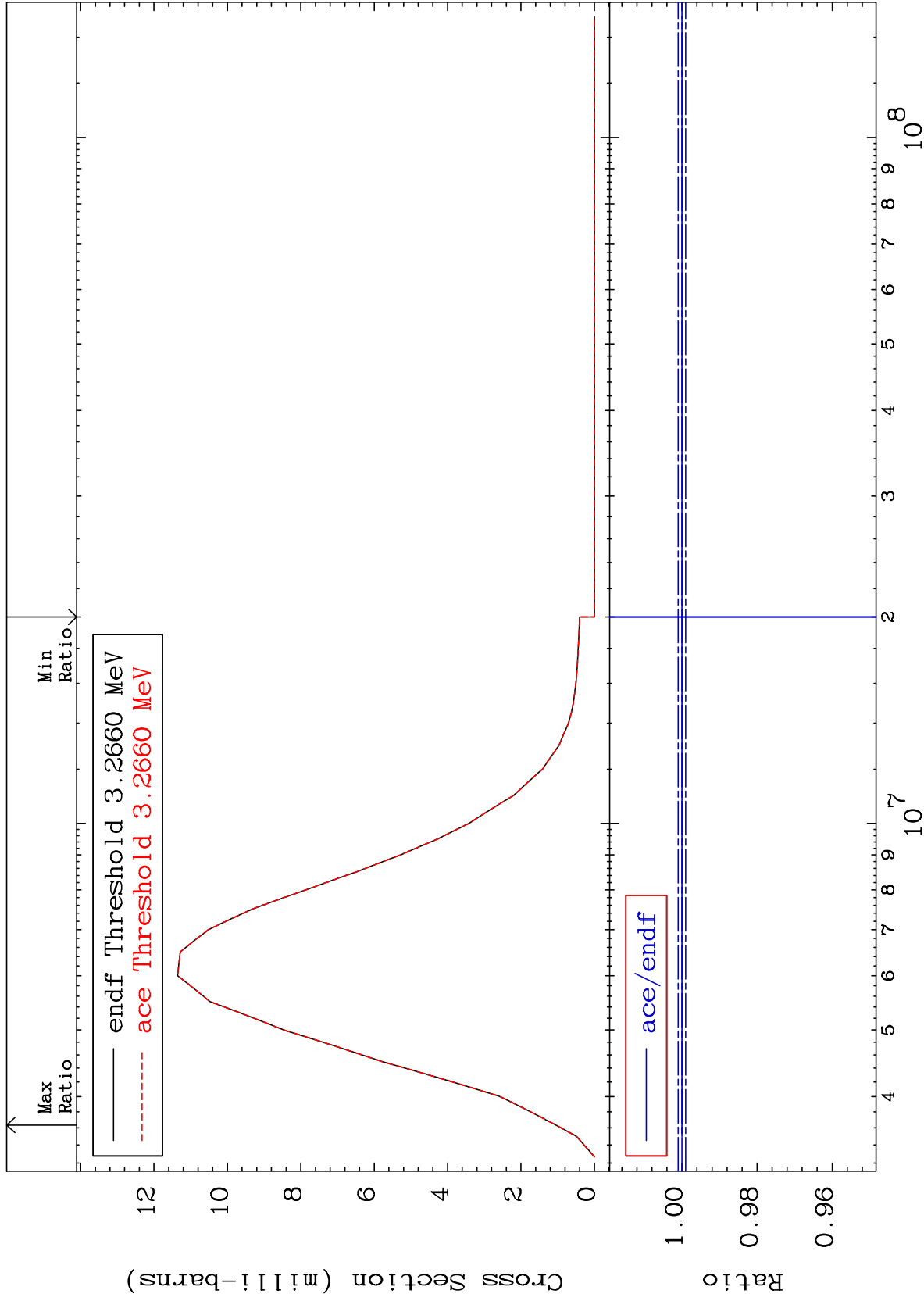
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.189 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



10

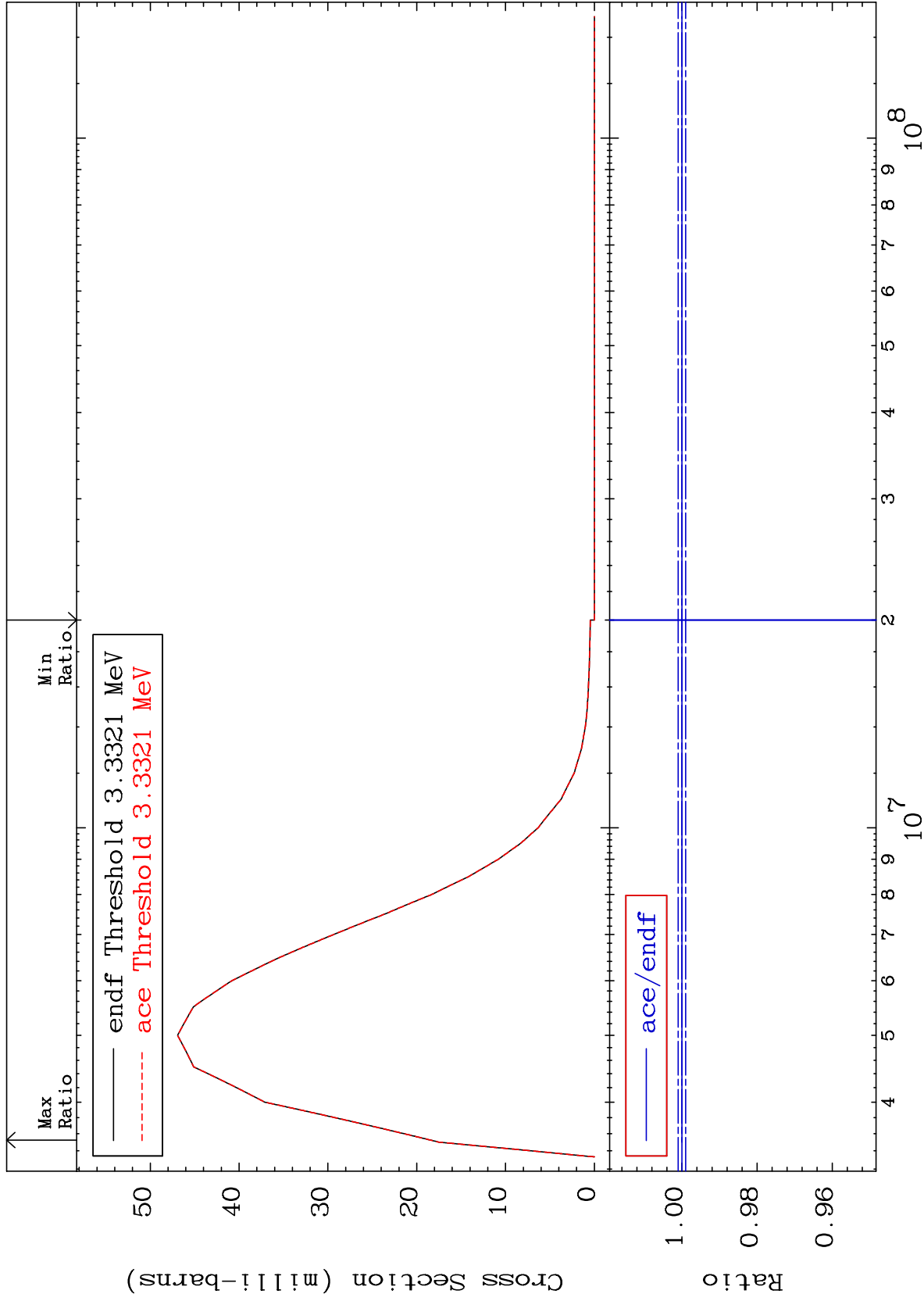
Incident Energy (eV)

20-Ca-42

MAT 2031

3.254 MeV (n,n') Level
Cross Section

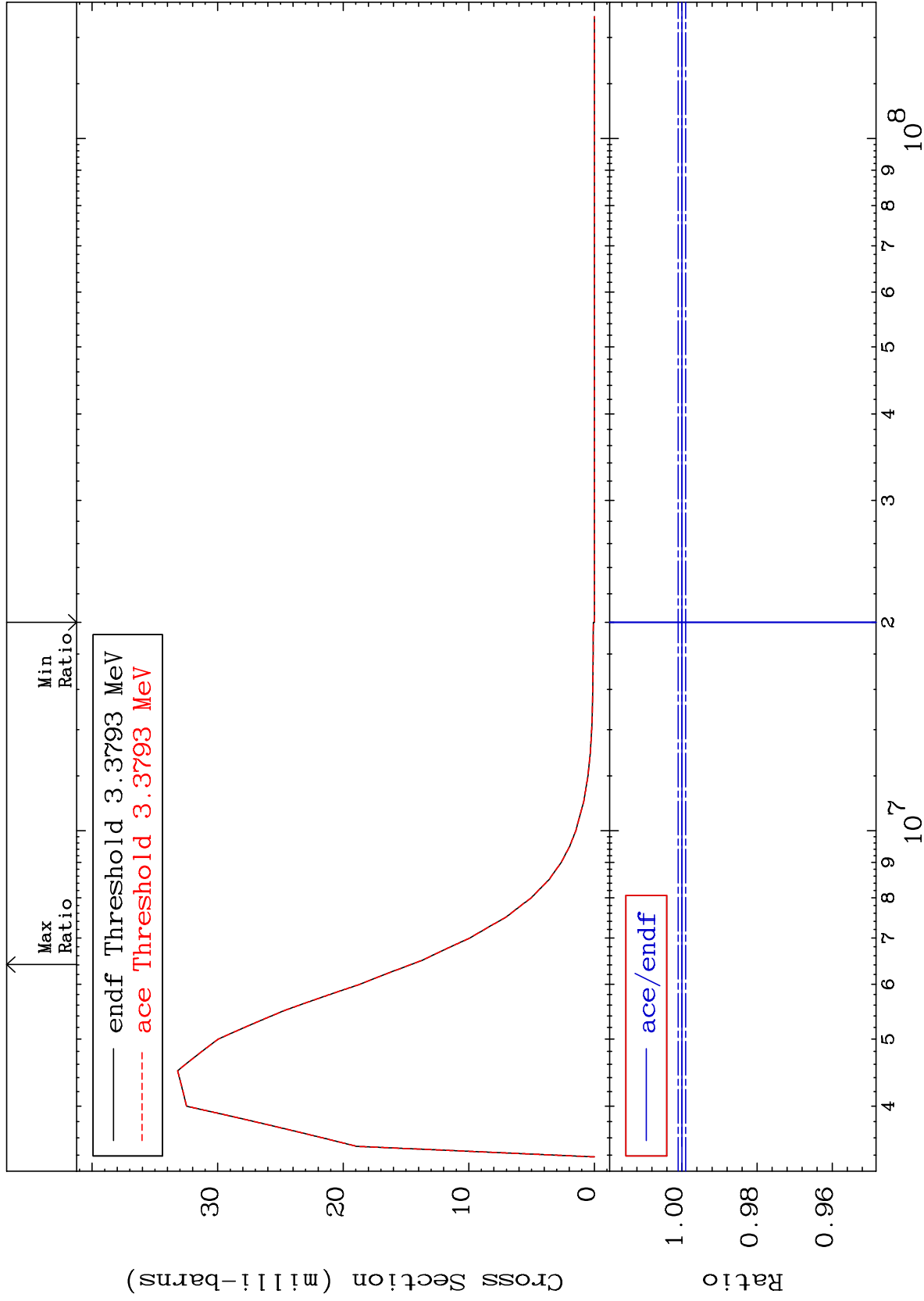
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.300 MeV (n,n') Level
Cross Section

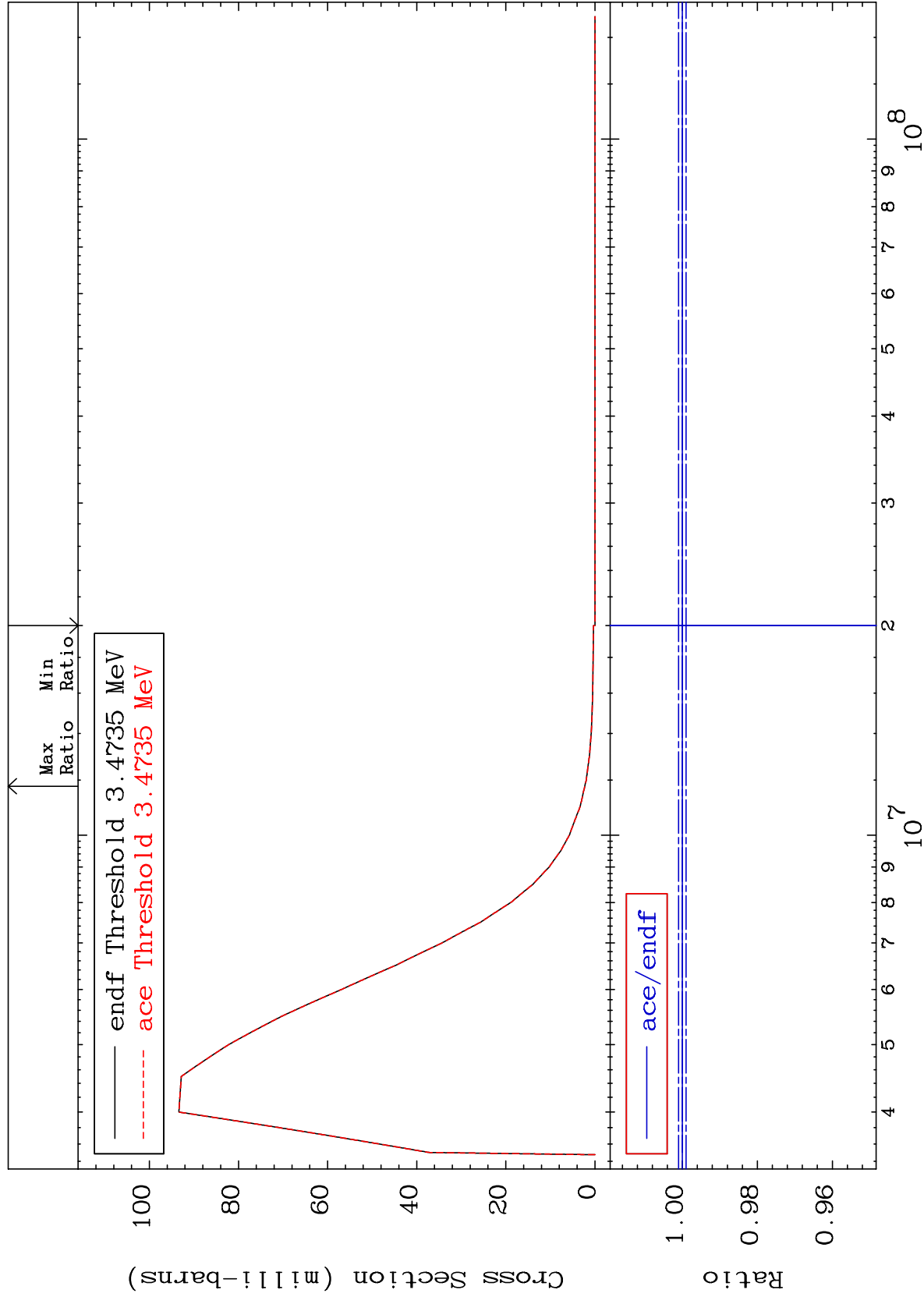
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.392 MeV (n,n') Level
Cross Section

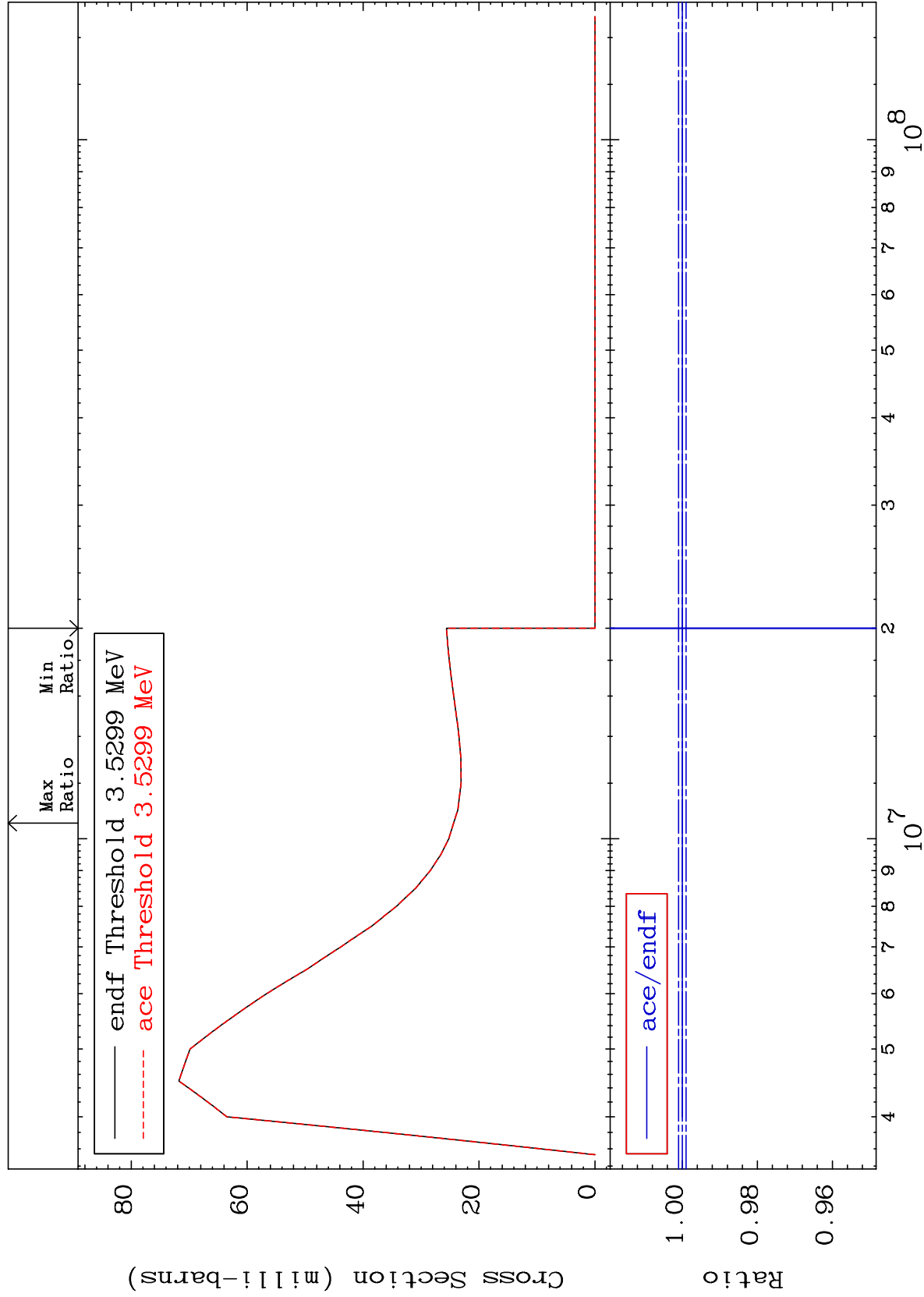
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.447 MeV (n,n') Level
Cross Section

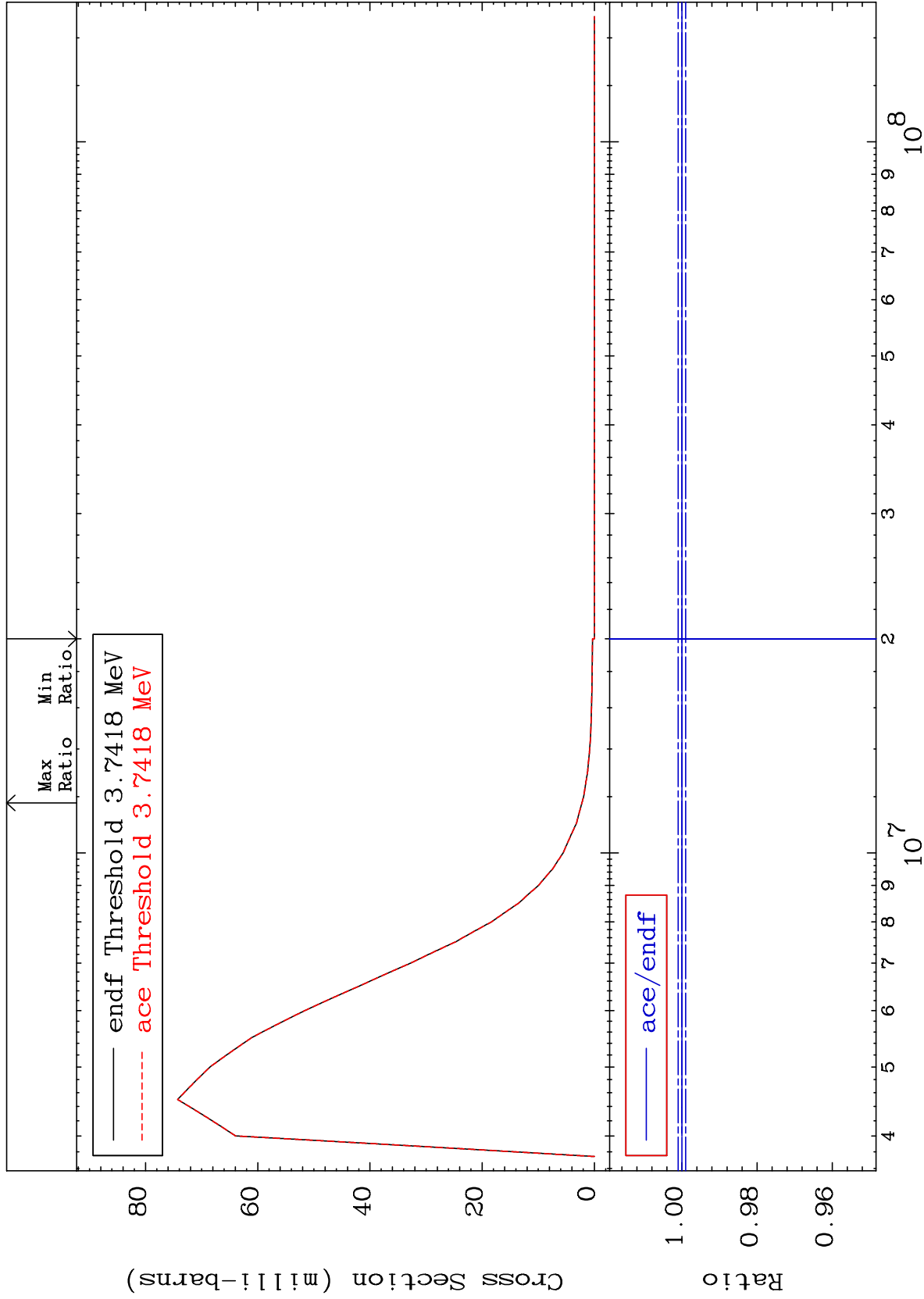
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.654 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



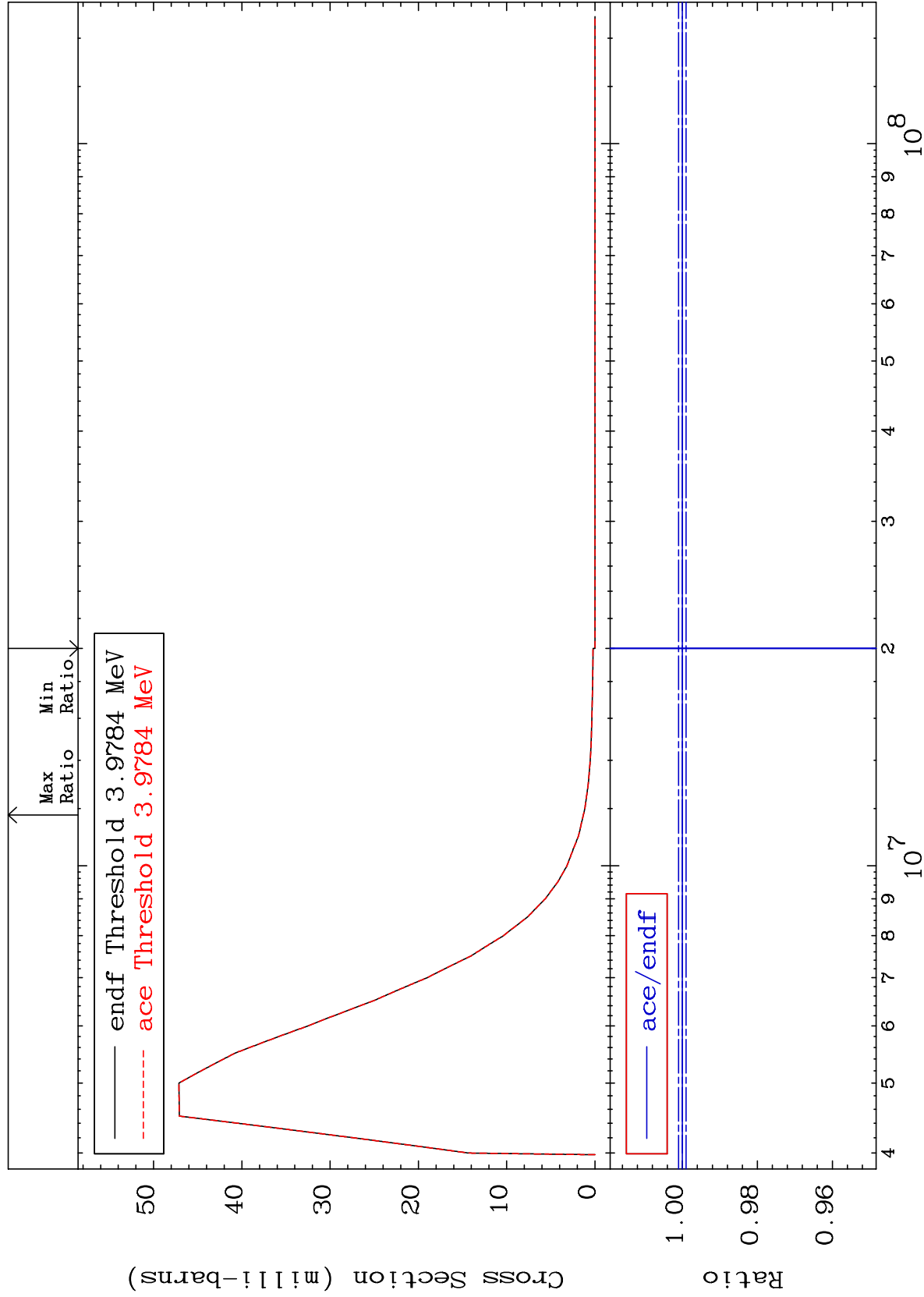
15

20-Ca-42

MAT 2031

3.885 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

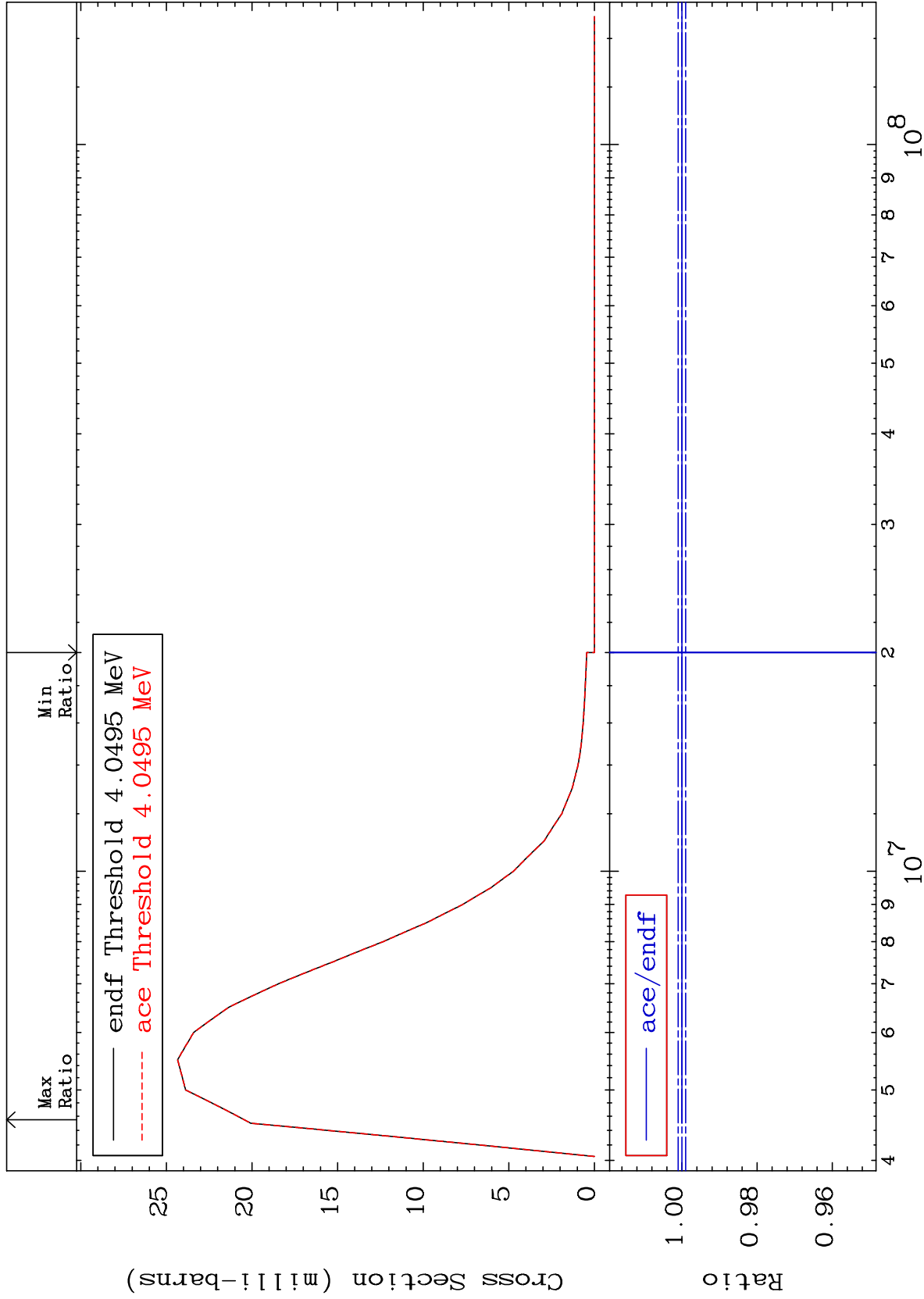


16

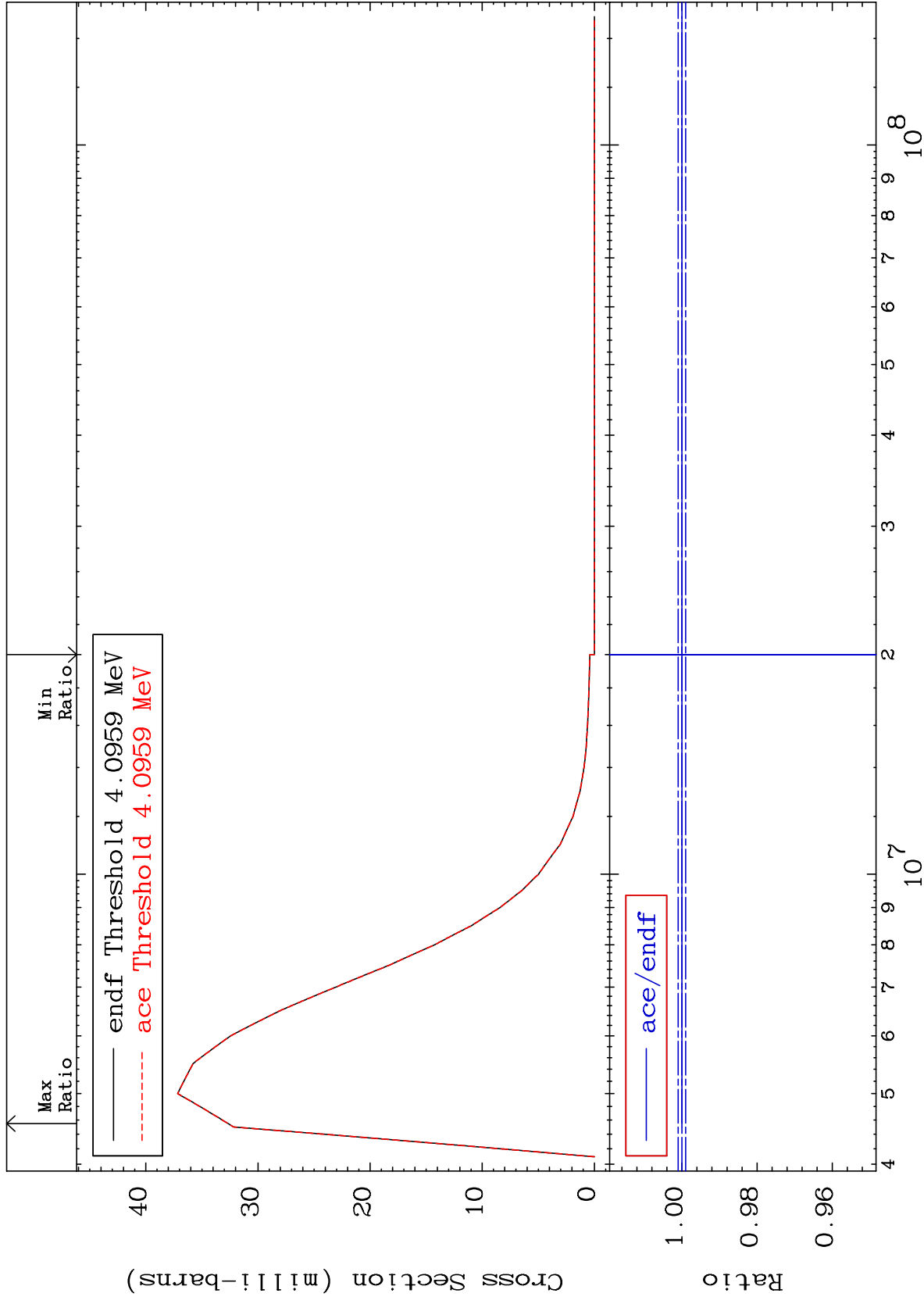
Incident Energy (eV)

20-Ca-42

MAT 2031 3.954 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



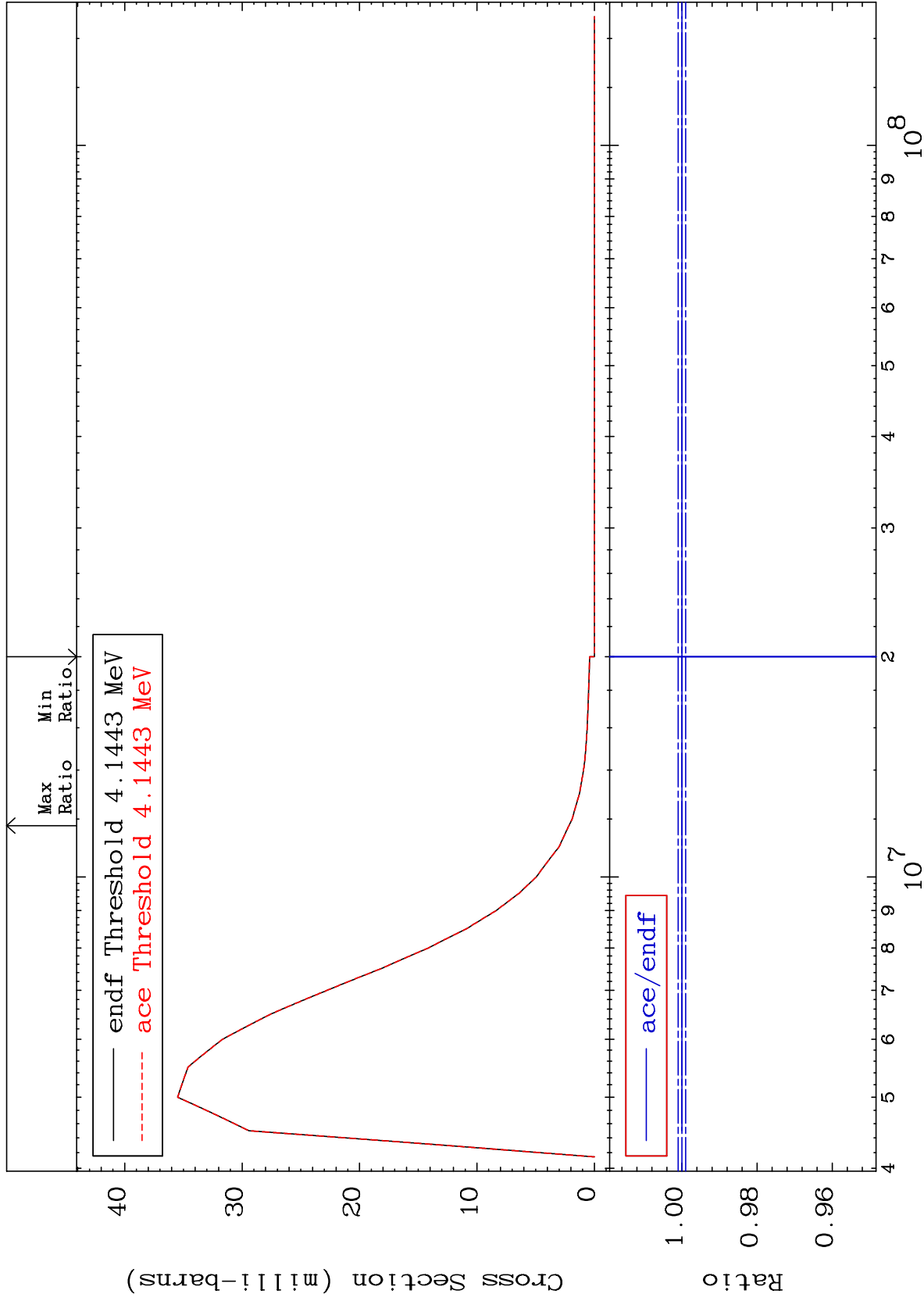
MAT 2031 4.000 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



MAT 2031

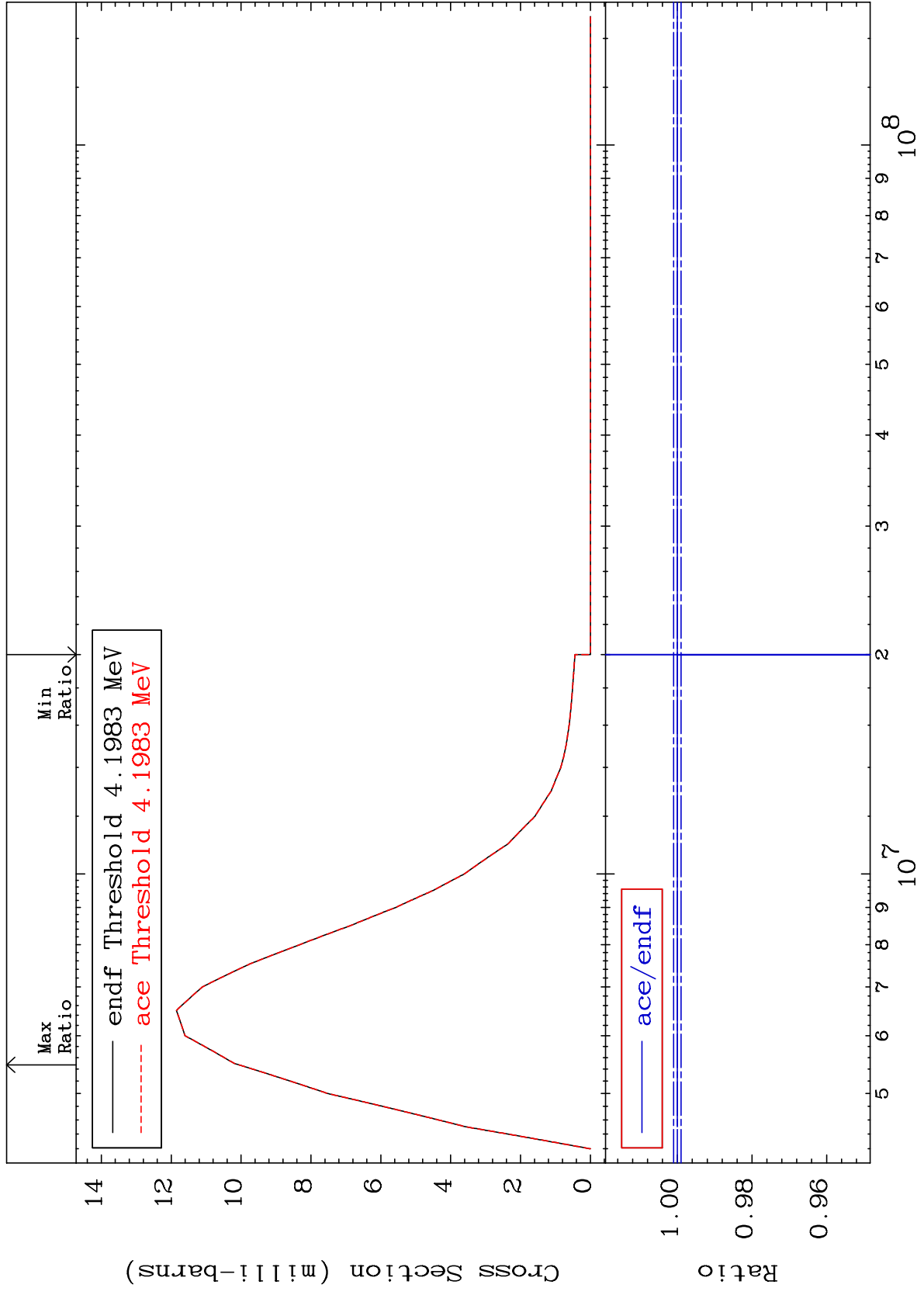
4.047 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



19

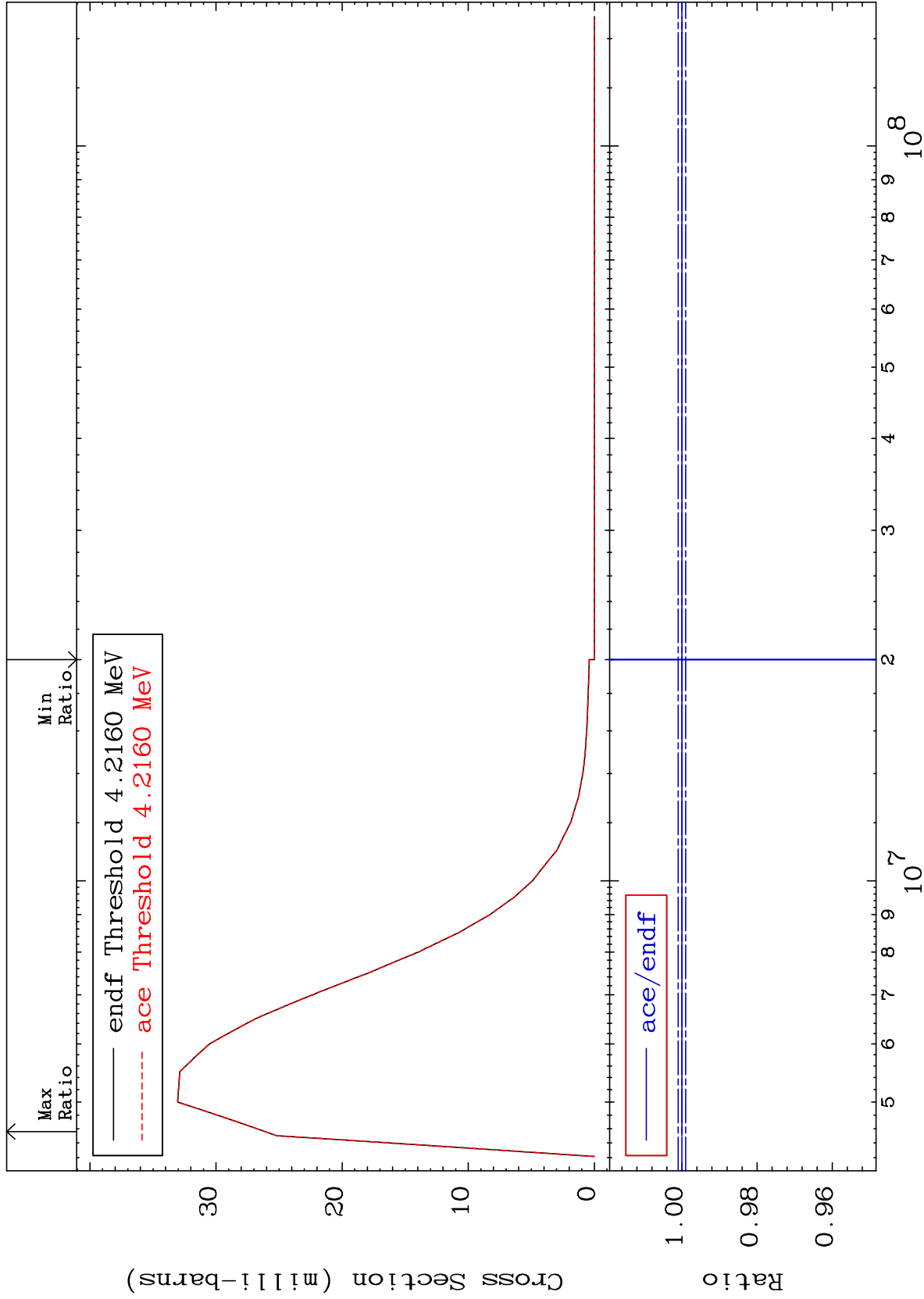
MAT 2031 4.100 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



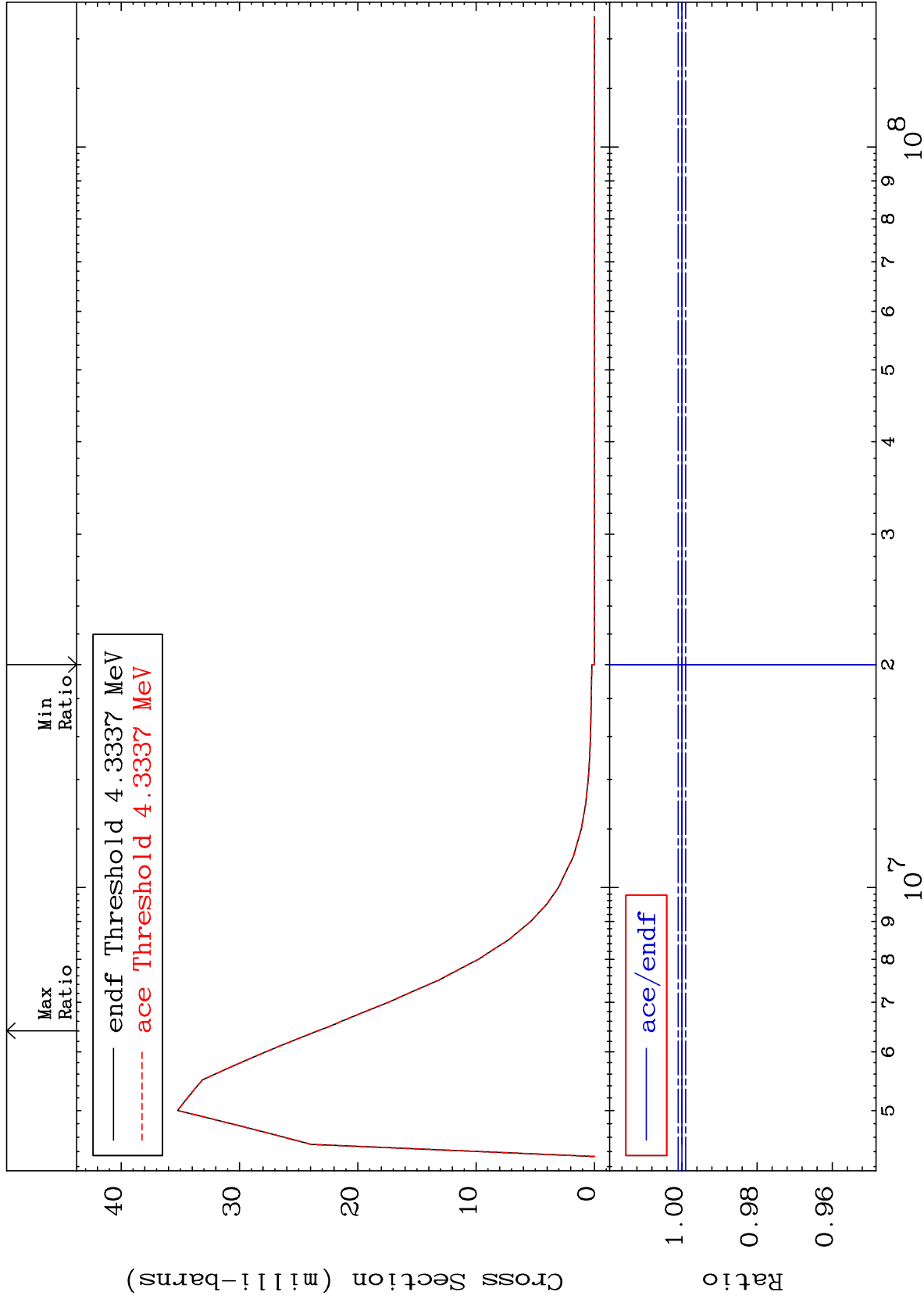
MAT 2031

4.117 MeV (n,n') Level
Cross Section

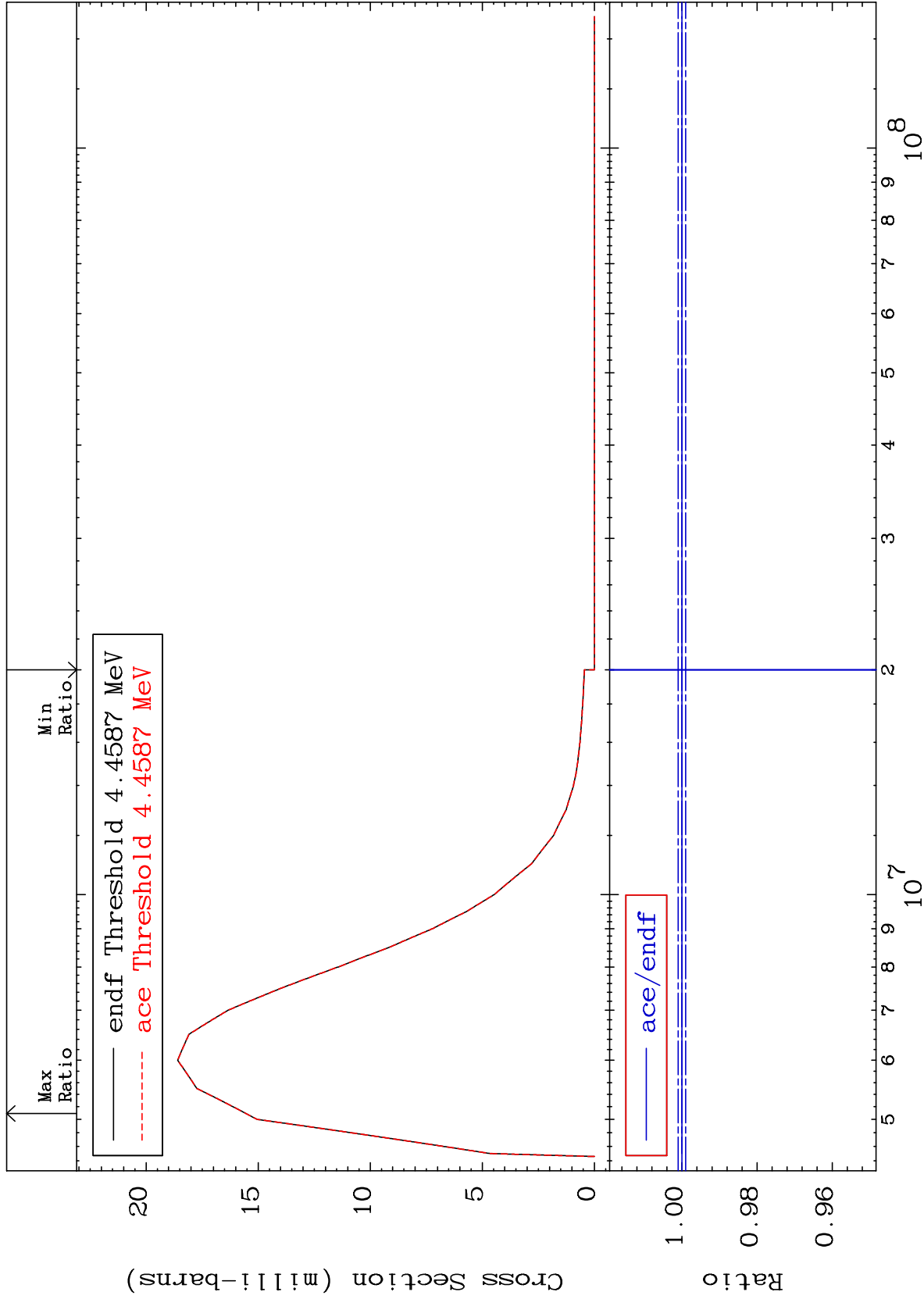
20-Ca-42
-100.0 To 0.000 %



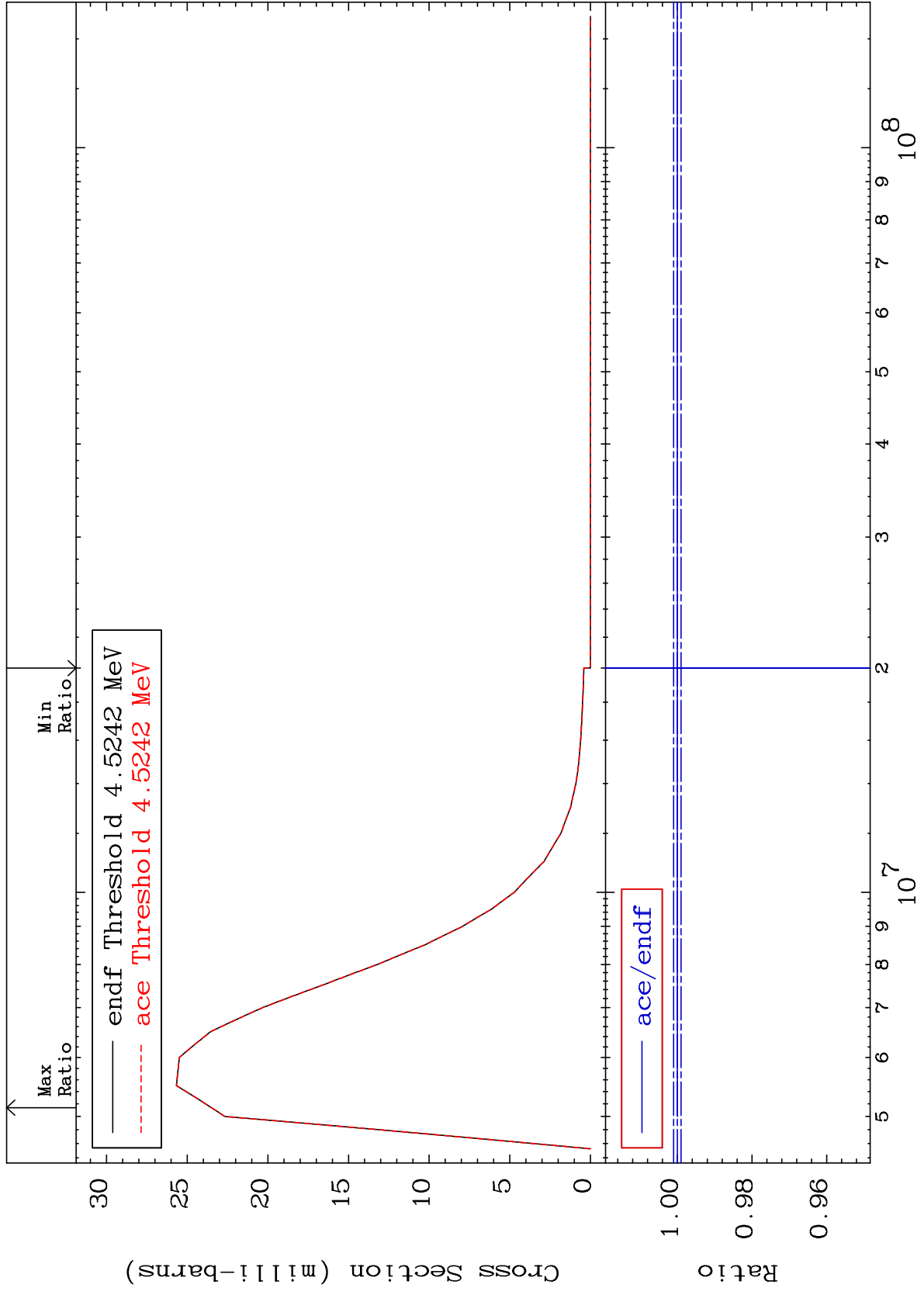
MAT 2031 4.232 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



MAT 2031 4.354 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



MAT 2031 4.418 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %

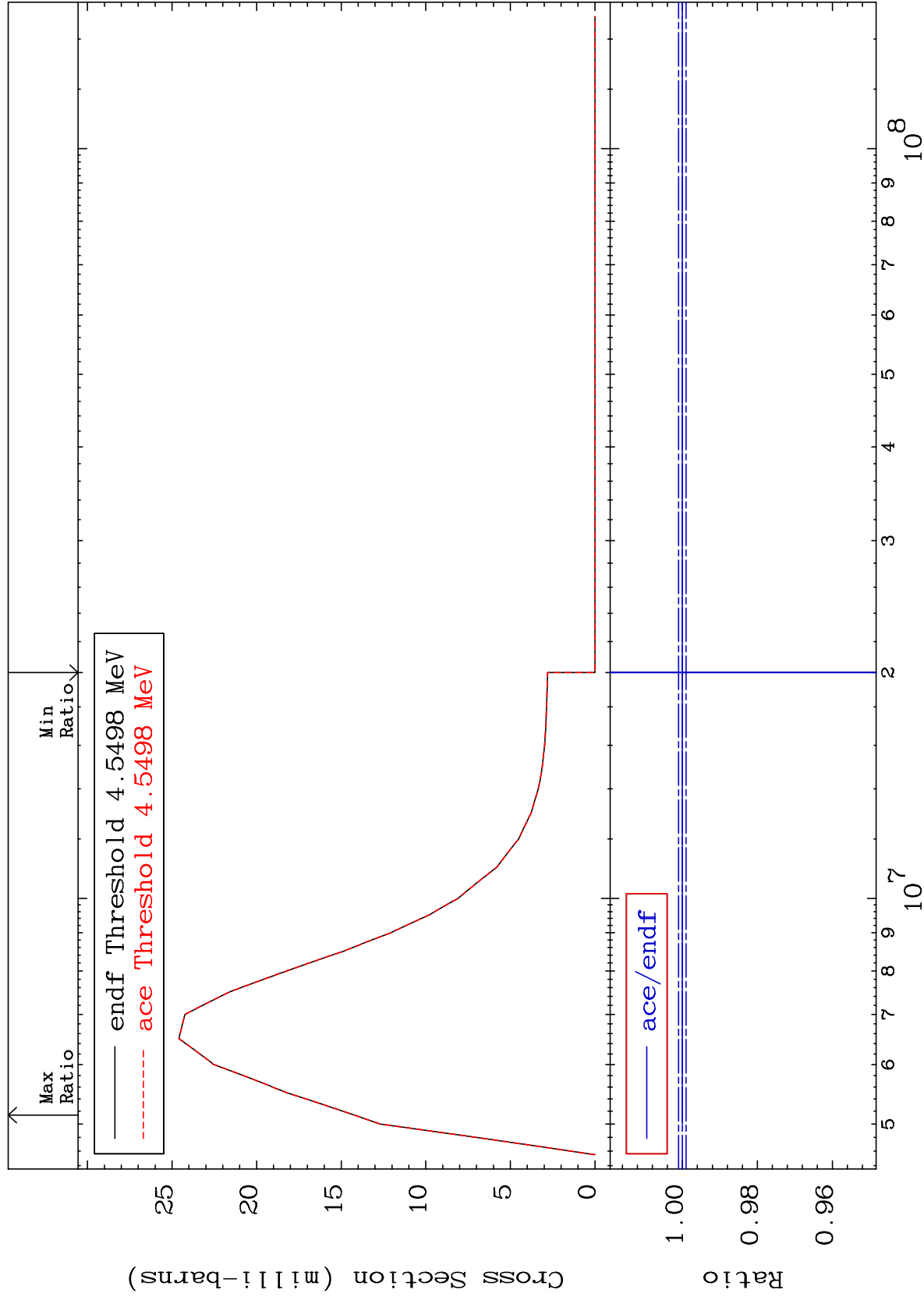


24 Incident Energy (eV) 20-Ca-42

MAT 2031

4.443 MeV (n,n') Level
Cross Section

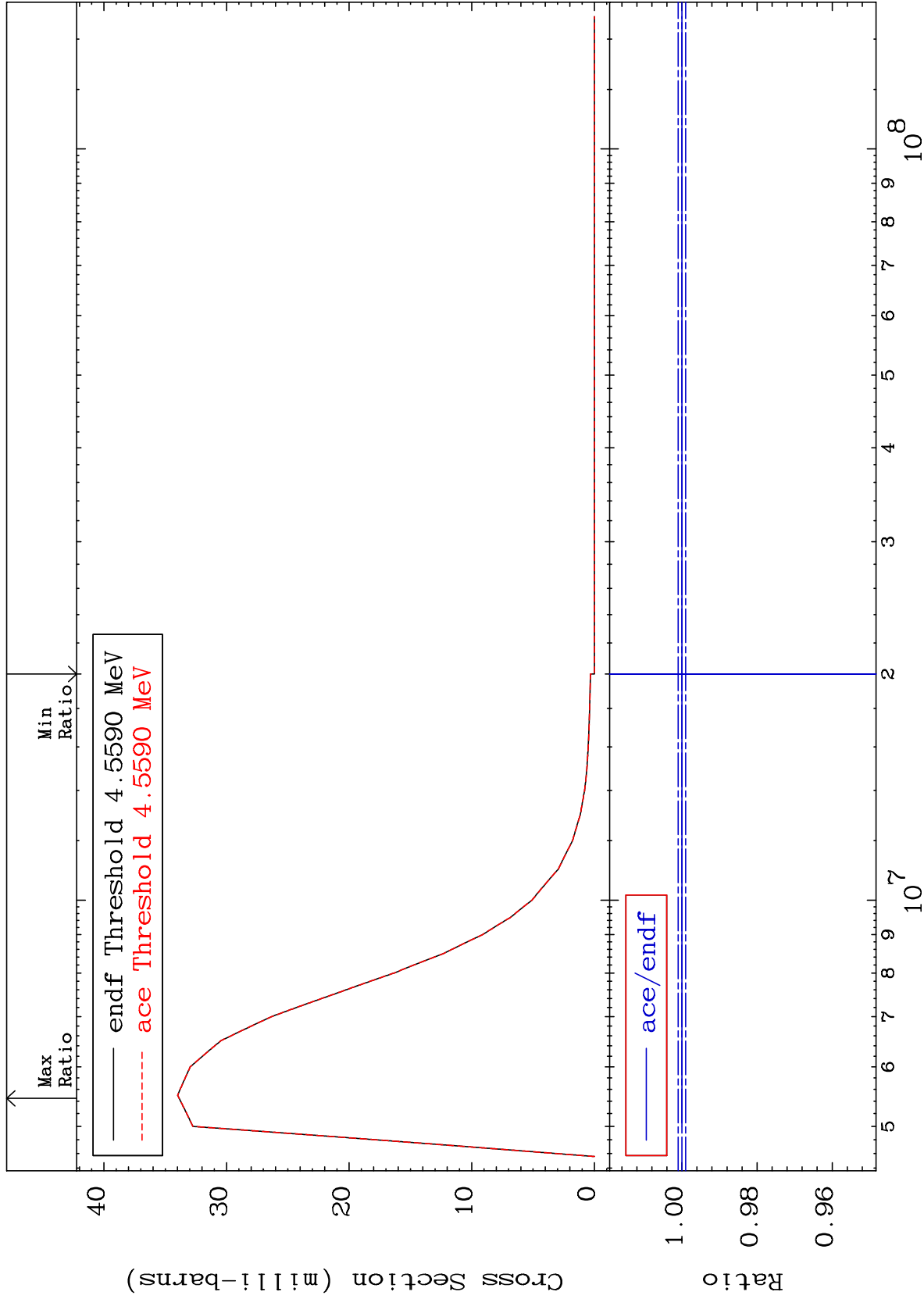
20-Ca-42
-100.0 To 0.000 %



25

20-Ca-42

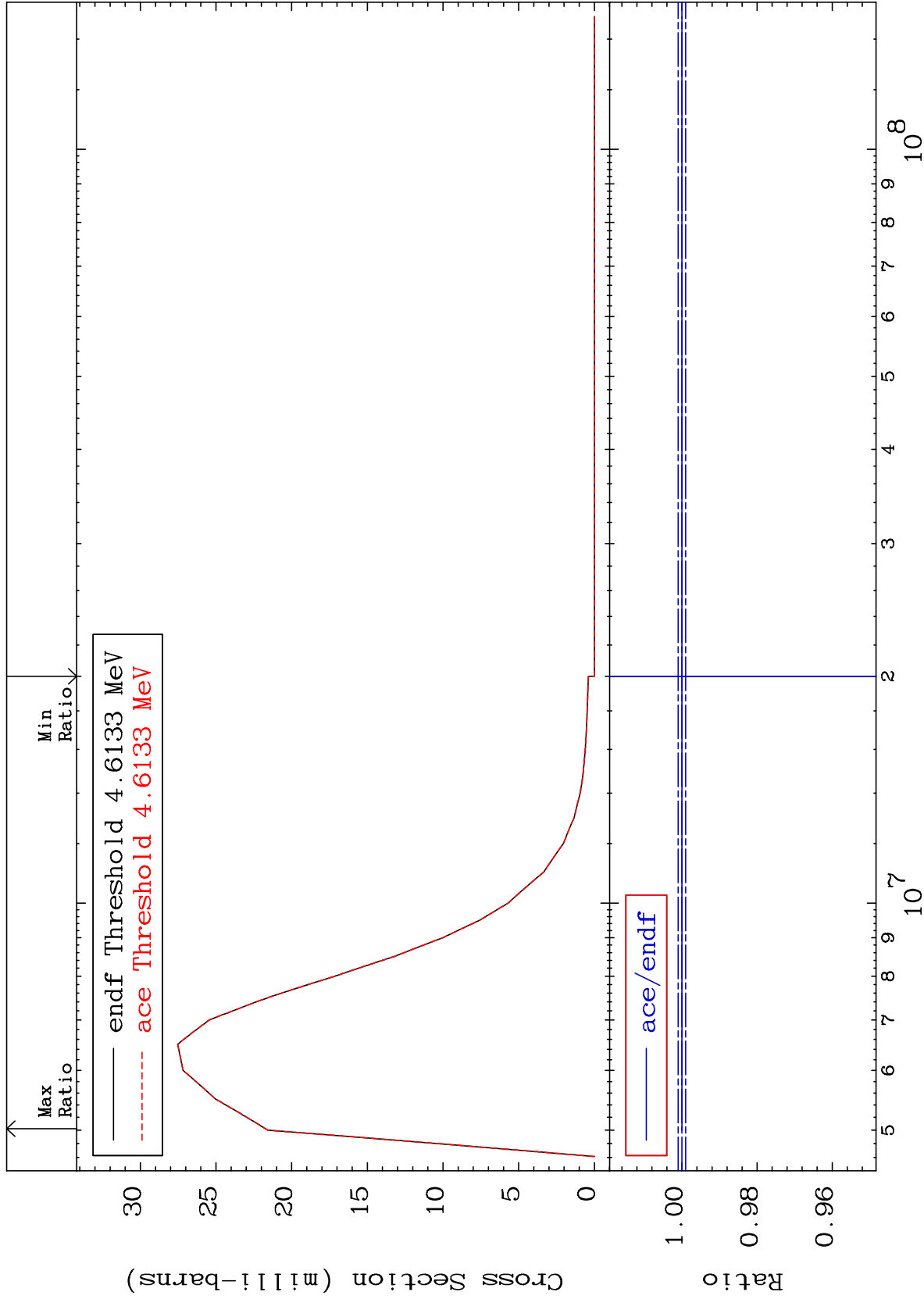
MAT 2031 4.452 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



MAT 2031

4.505 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



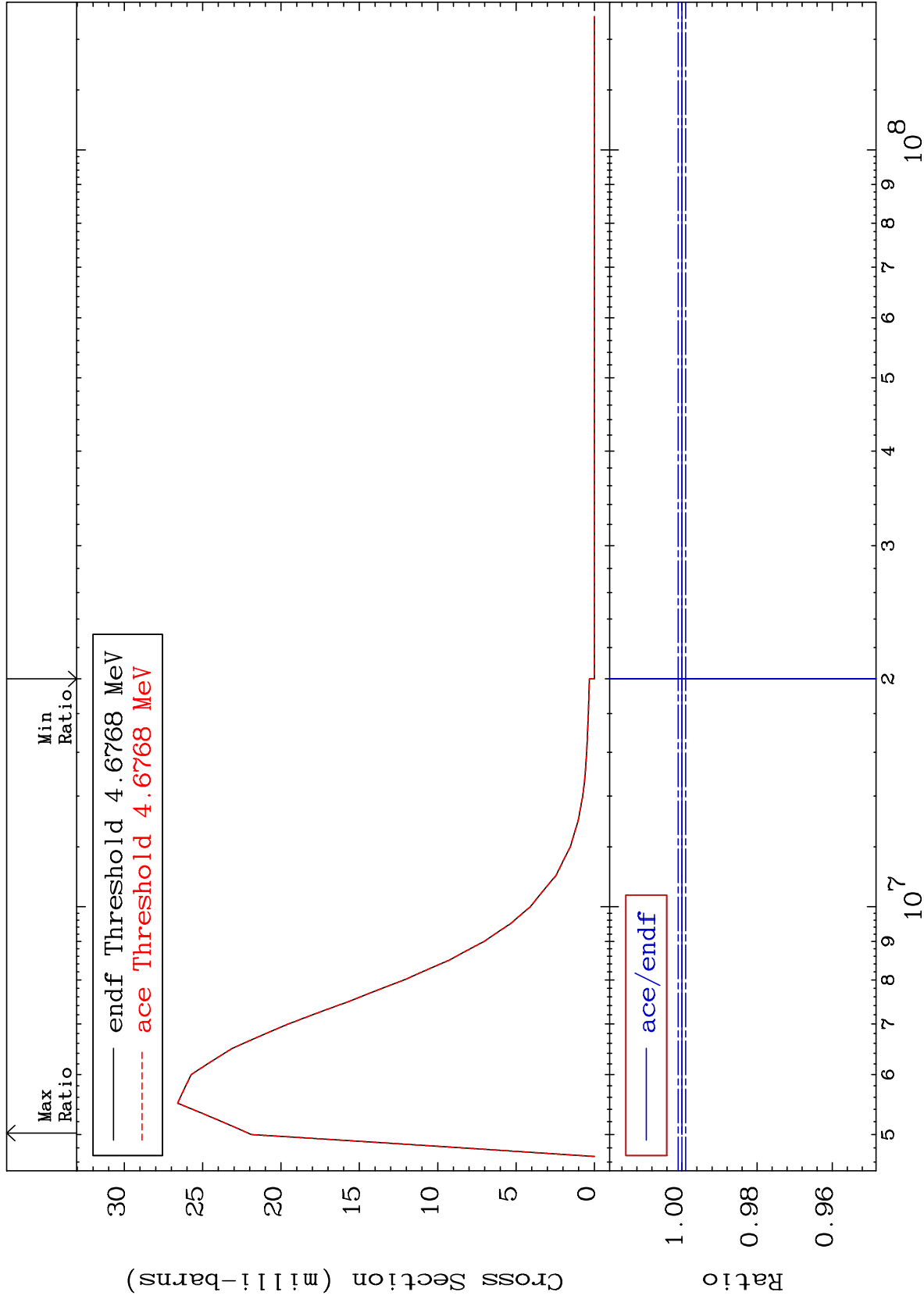
27

20-Ca-42

MAT 2031

4.567 MeV (n,n') Level
Cross Section

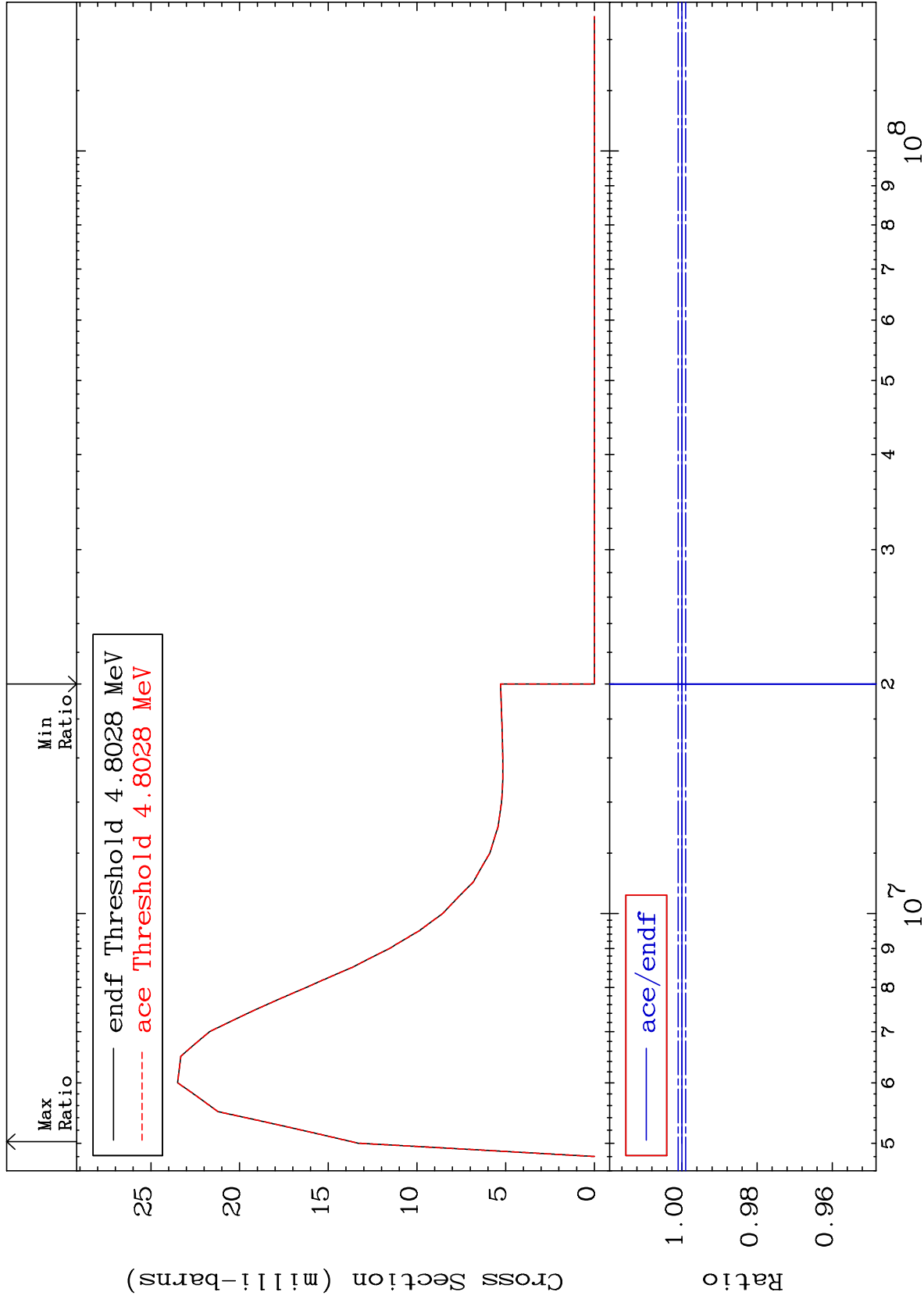
20-Ca-42
-100.0 To 0.000 %



MAT 2031

4.690 MeV (n,n') Level
Cross Section

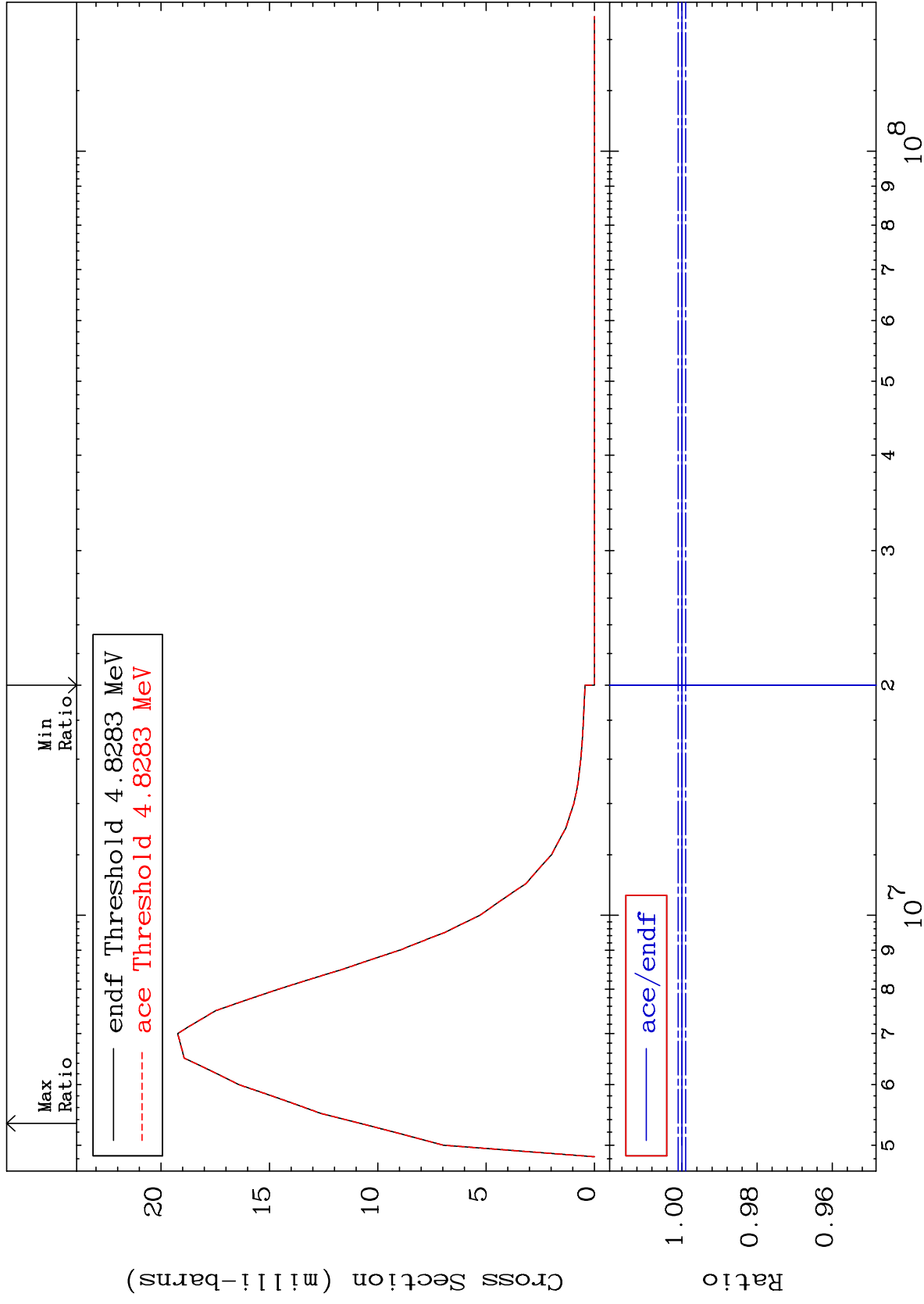
20-Ca-42
-100.0 To 0.000 %



MAT 2031

4.715 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



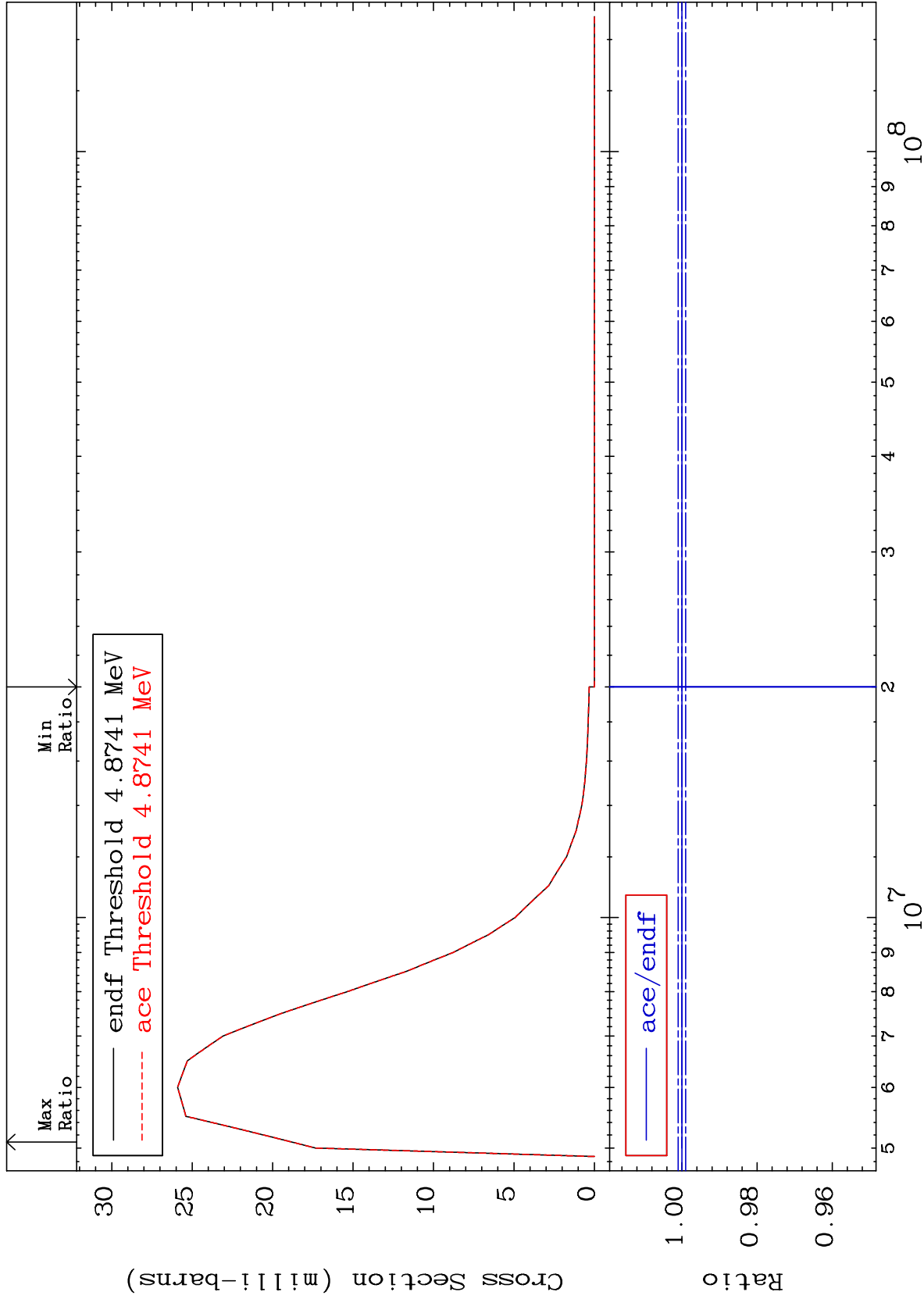
30

20-Ca-42

MAT 2031

4.760 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



31

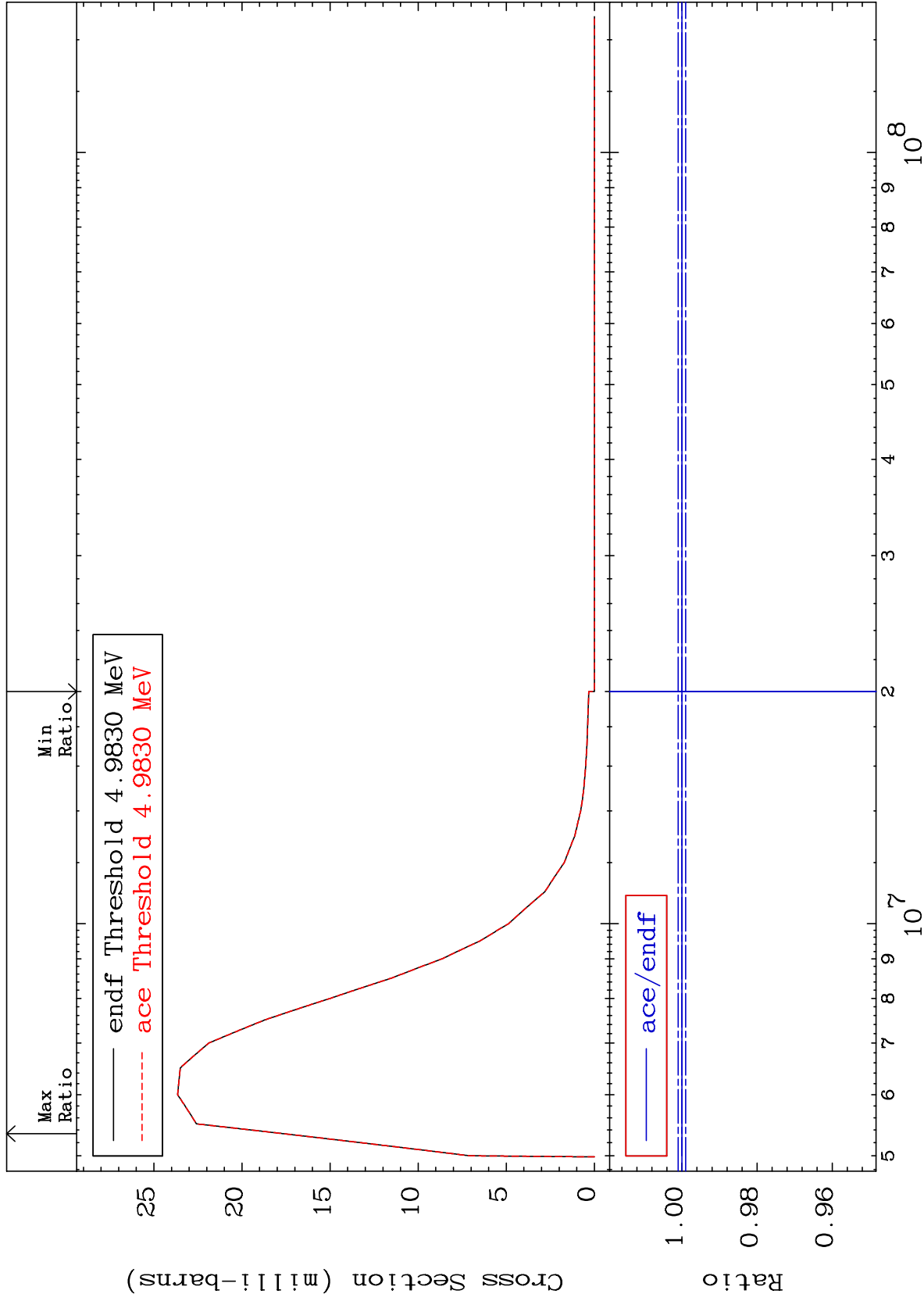
Incident Energy (eV)

20-Ca-42

MAT 2031

4.866 MeV (n,n') Level
Cross Section

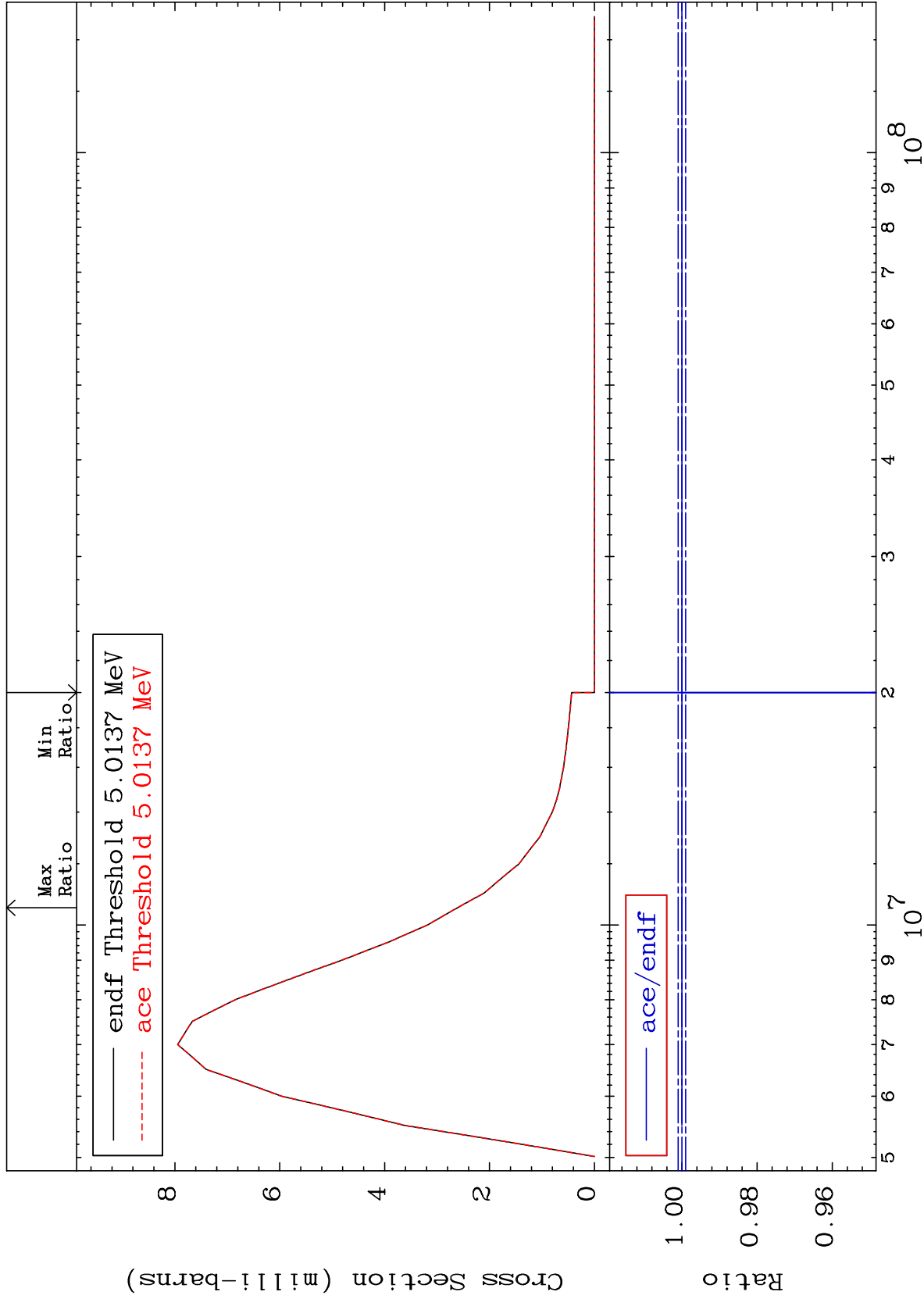
20-Ca-42
-100.0 To 0.000 %



MAT 2031

4.896 MeV (n,n') Level
Cross Section

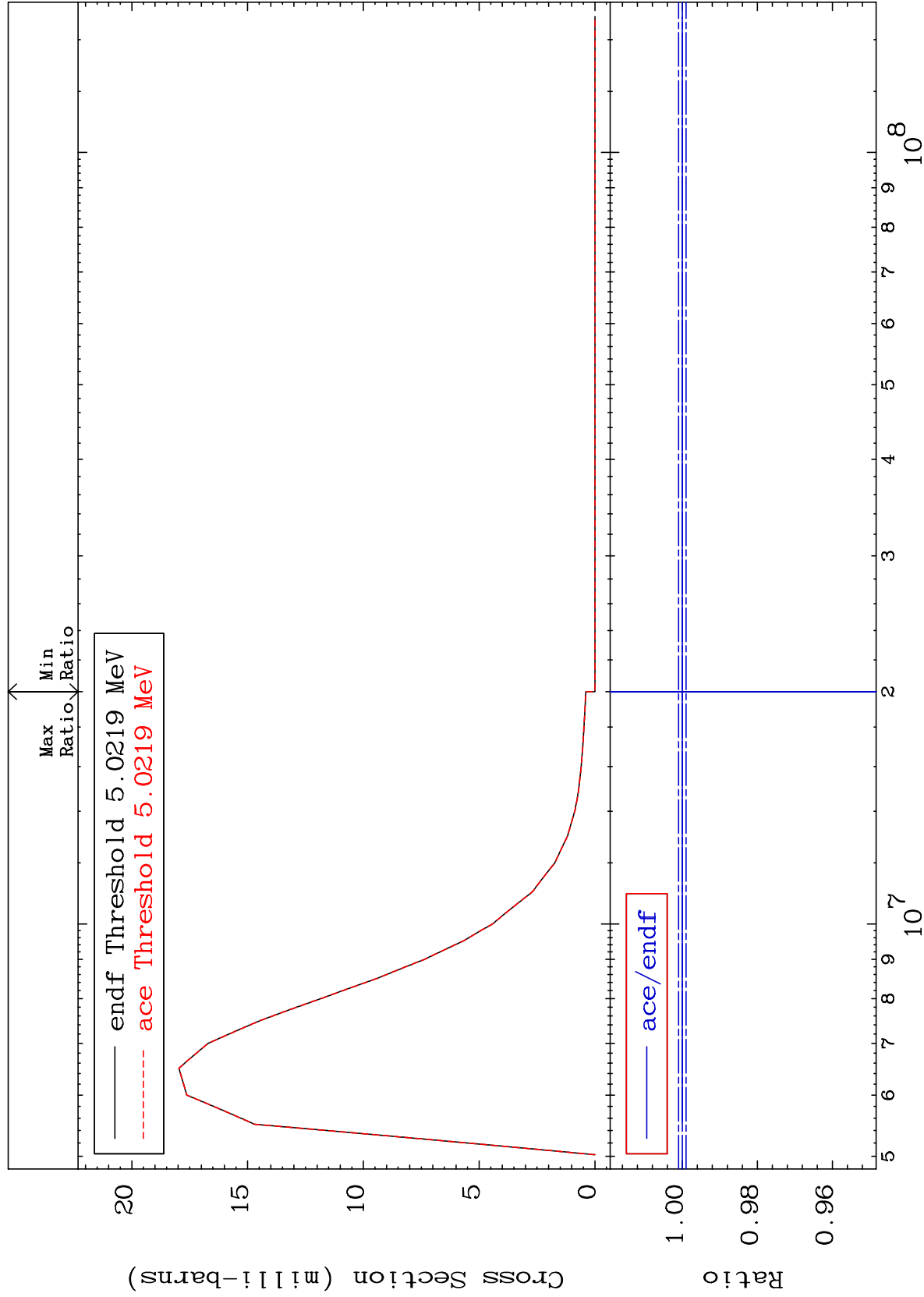
20-Ca-42
-100.0 To 0.000 %



MAT 2031

4.904 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



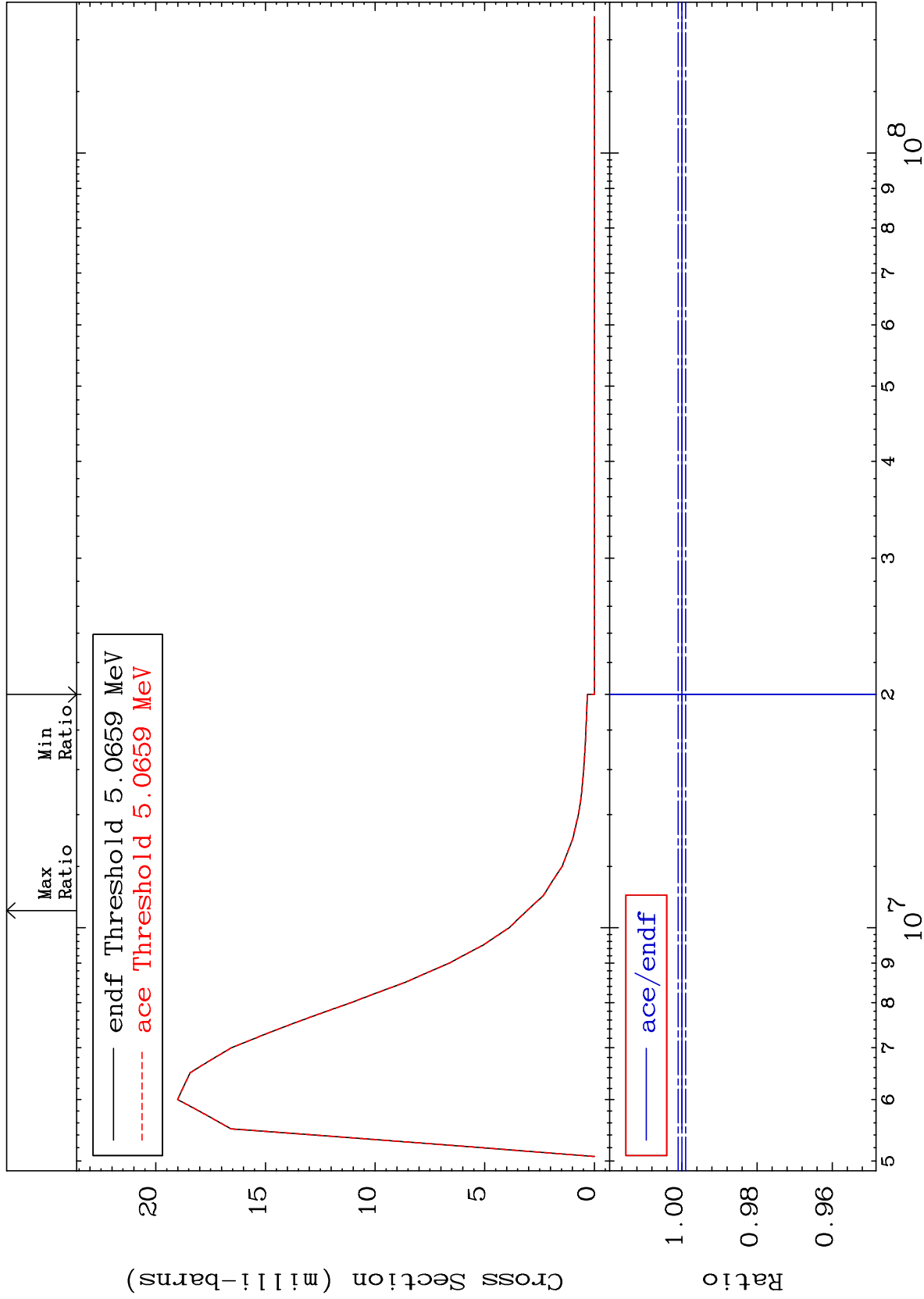
34

20-Ca-42

MAT 2031

4.947 MeV (n,n') Level
Cross Section

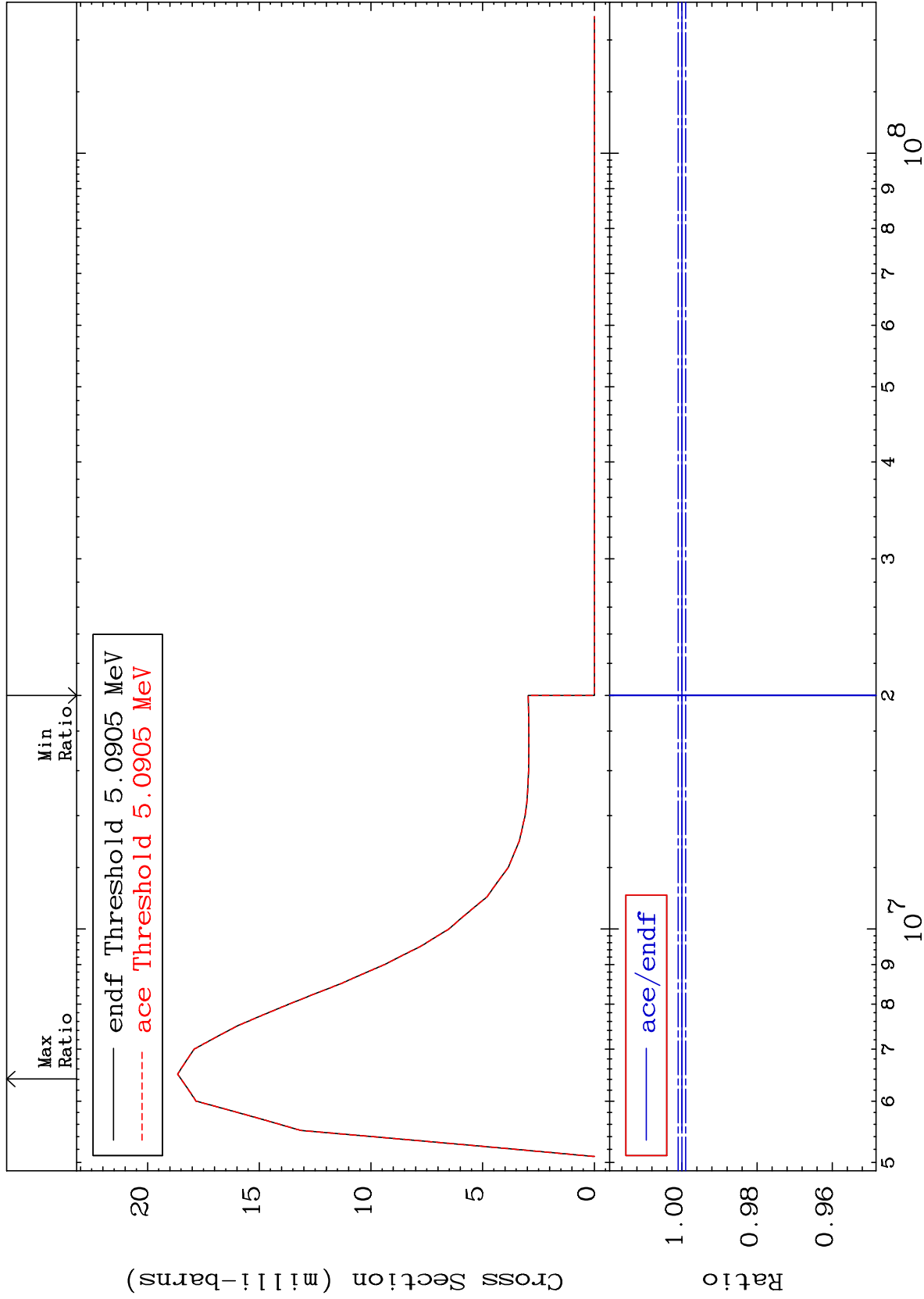
20-Ca-42
-100.0 To 0.000 %



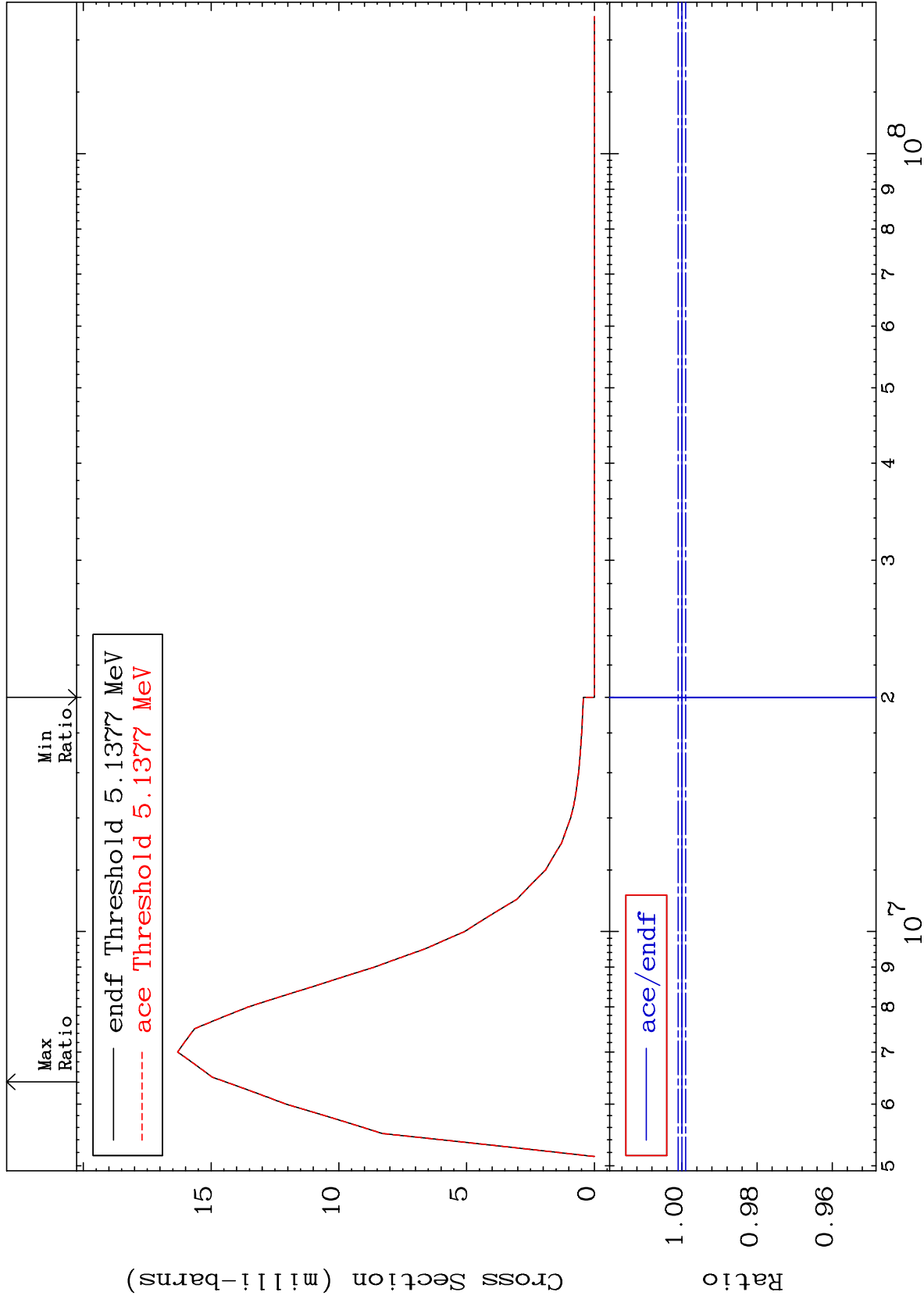
35

20-Ca-42

MAT 2031 4.971 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



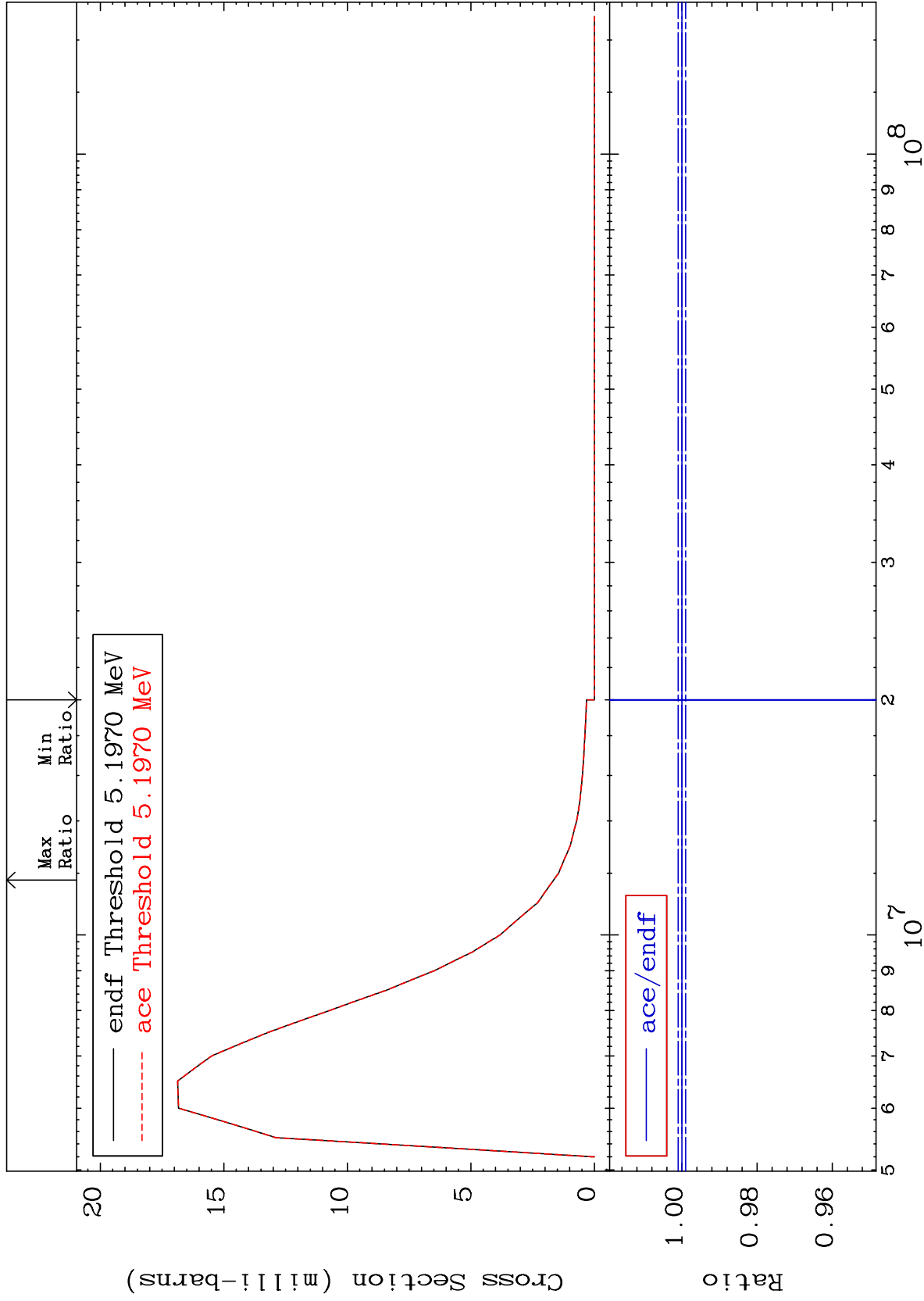
MAT 2031 5.017 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



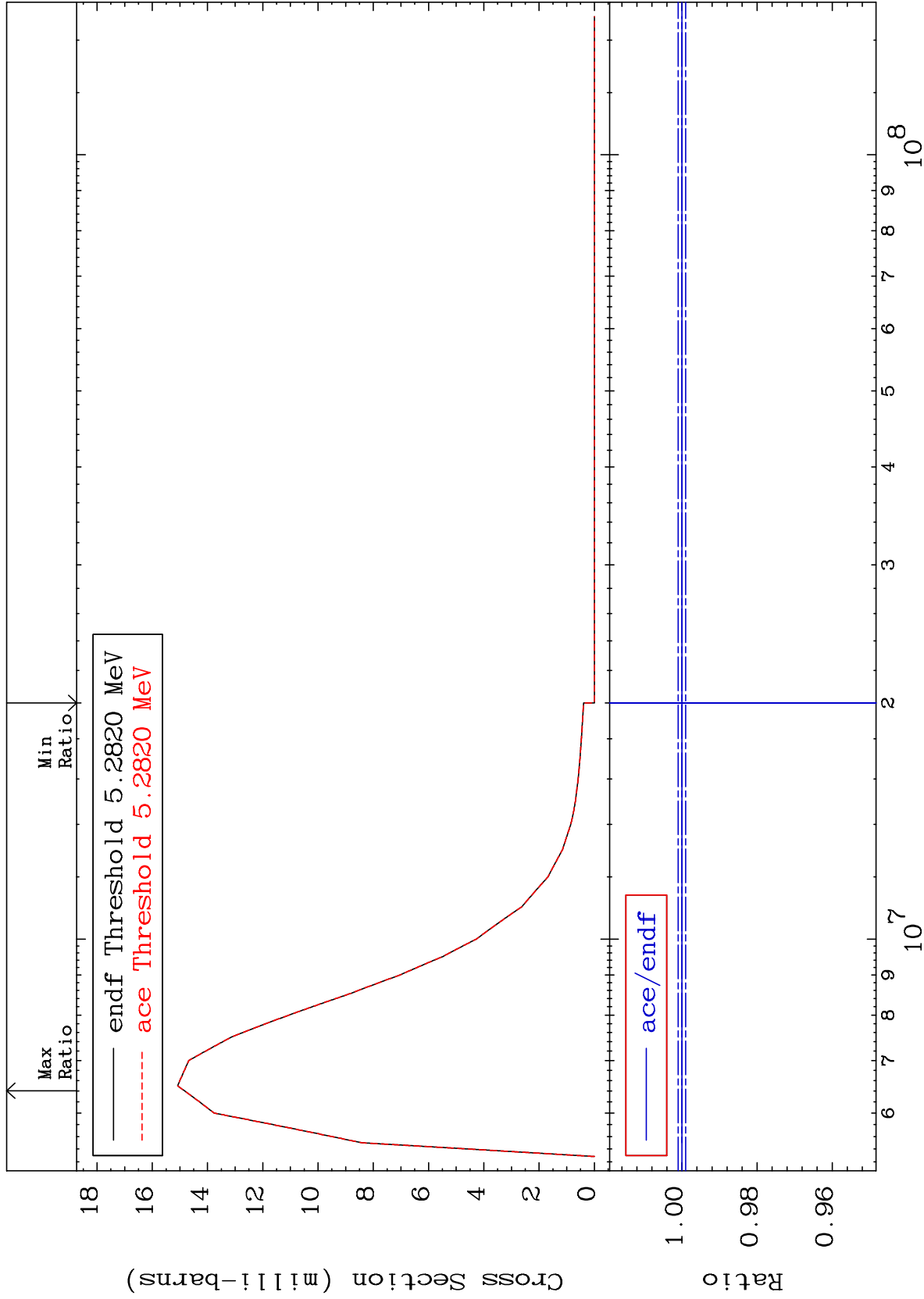
MAT 2031

5.075 MeV (n,n') Level
Cross Section

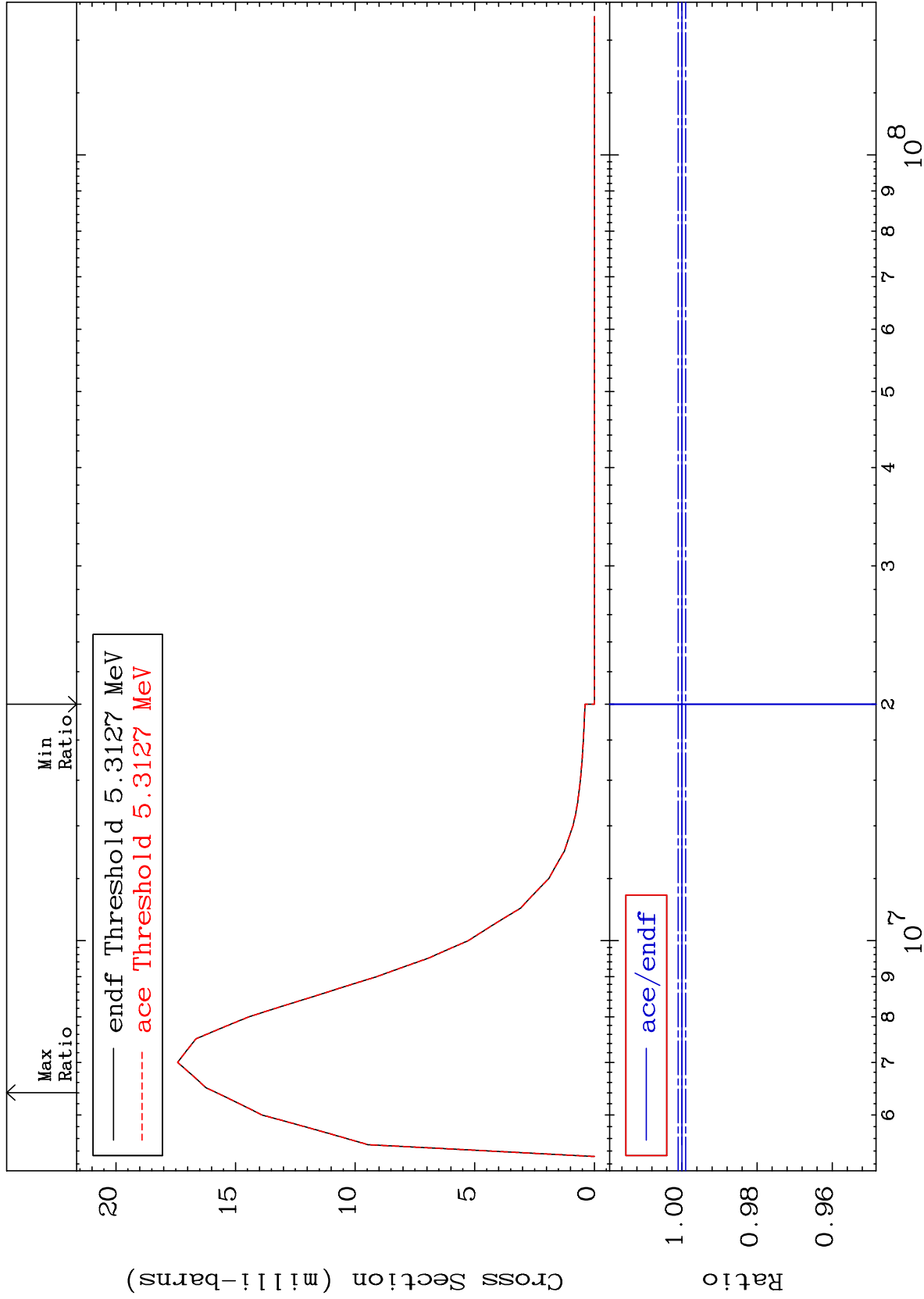
20-Ca-42
-100.0 To 0.000 %



MAT 2031 5.158 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



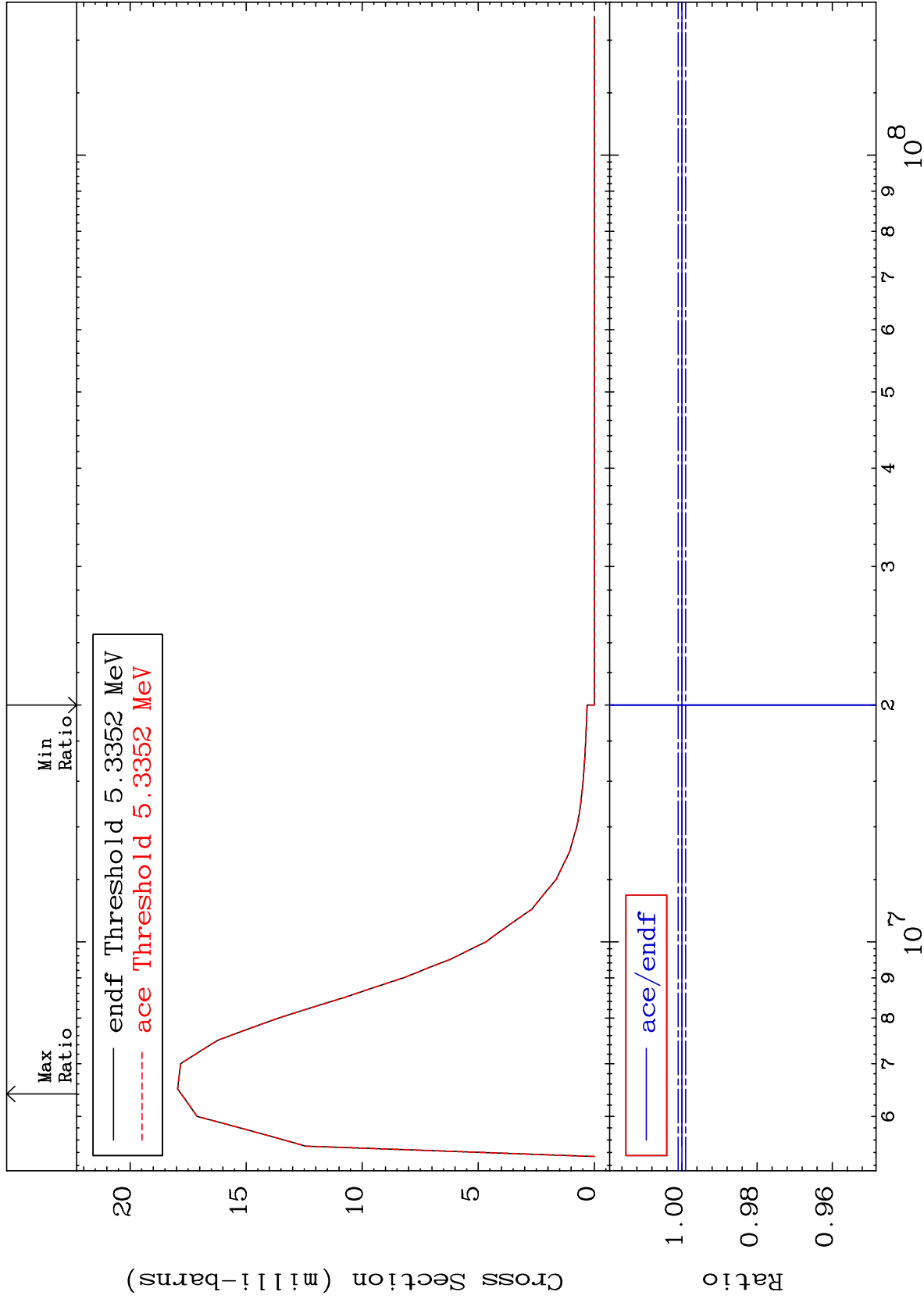
MAT 2031 5.188 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



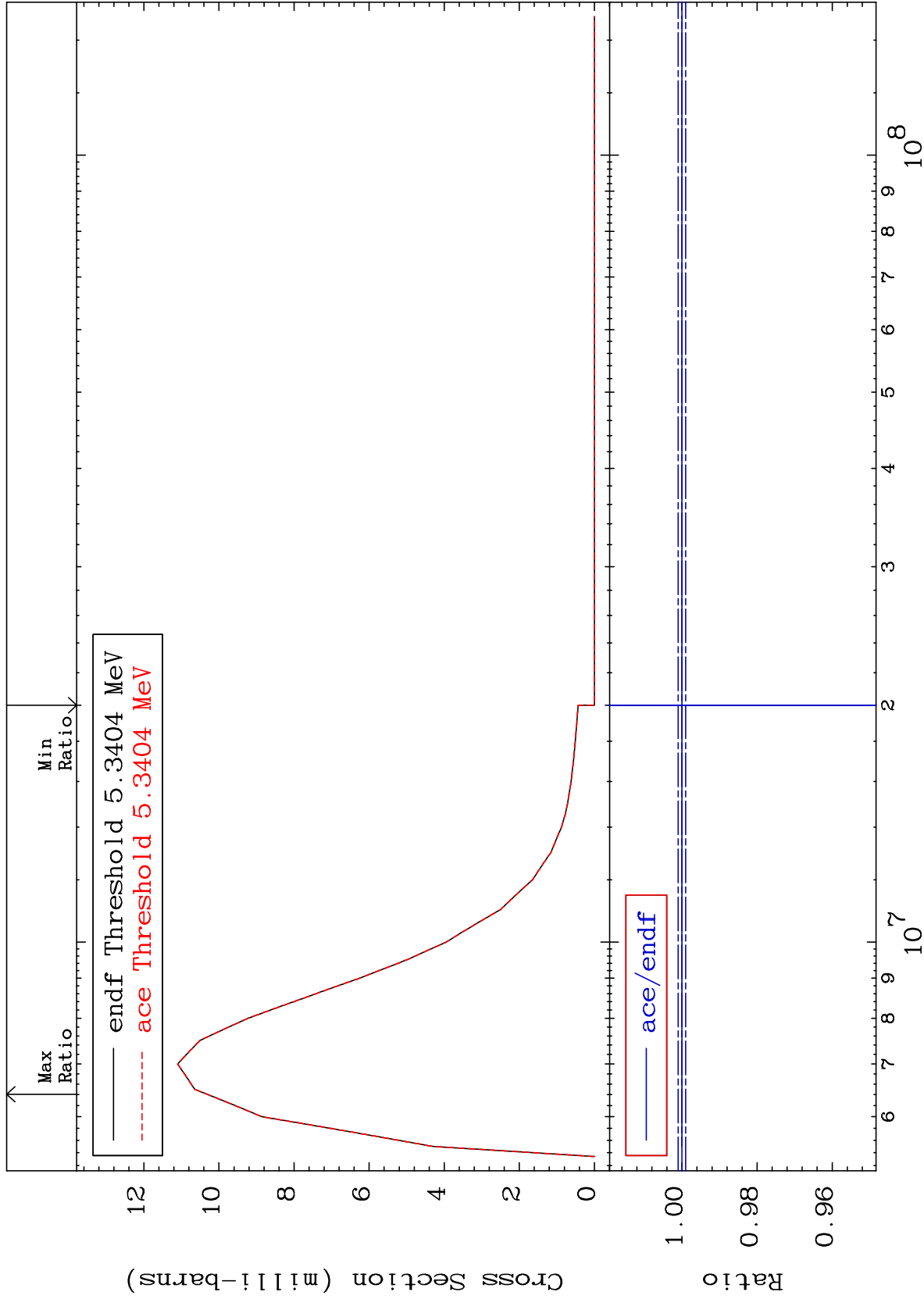
40

20-Ca-42

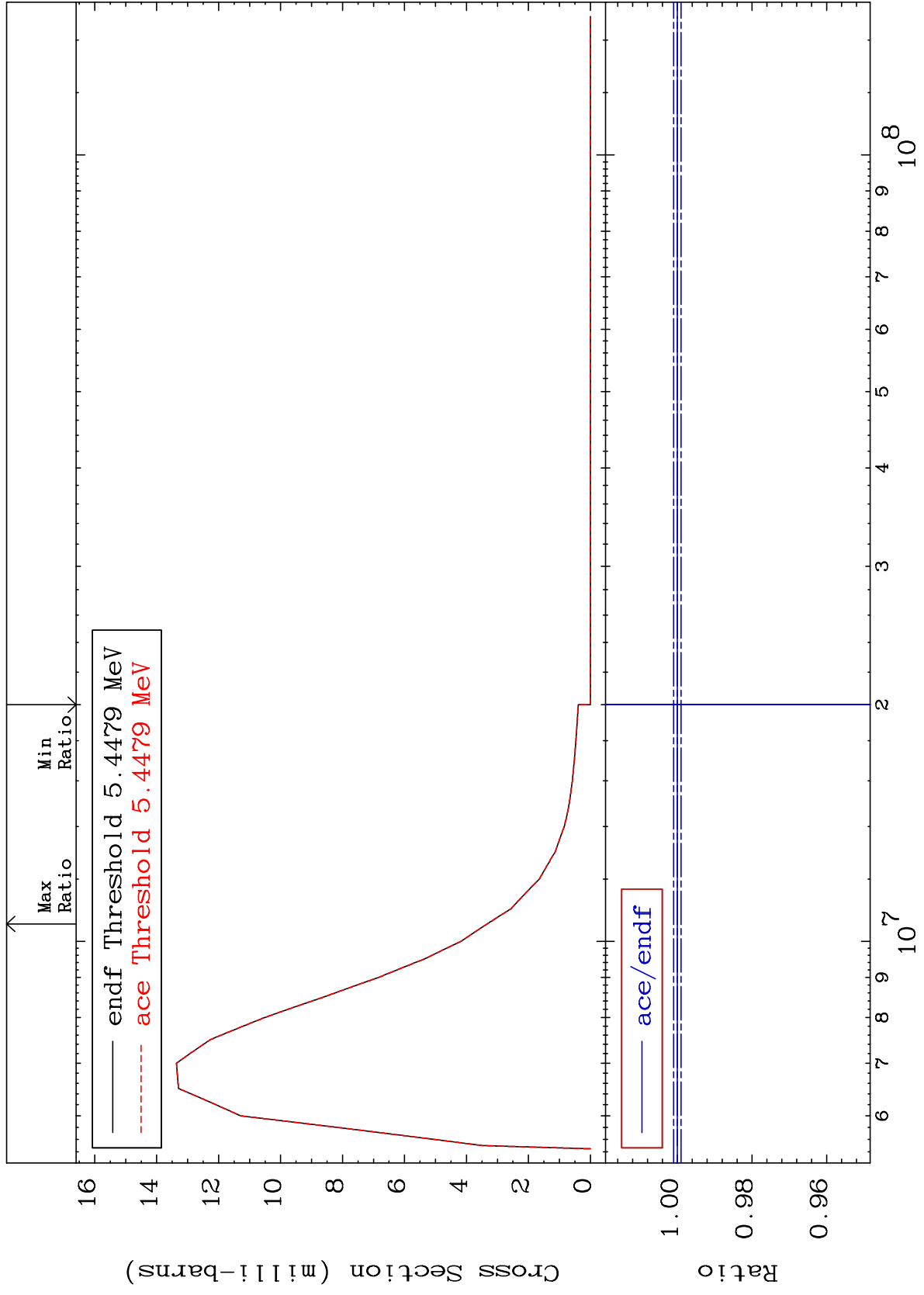
MAT 2031 5.210 MeV (n,n') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



MAT 2031 5.215 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



MAT 2031 5.320 MeV (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %

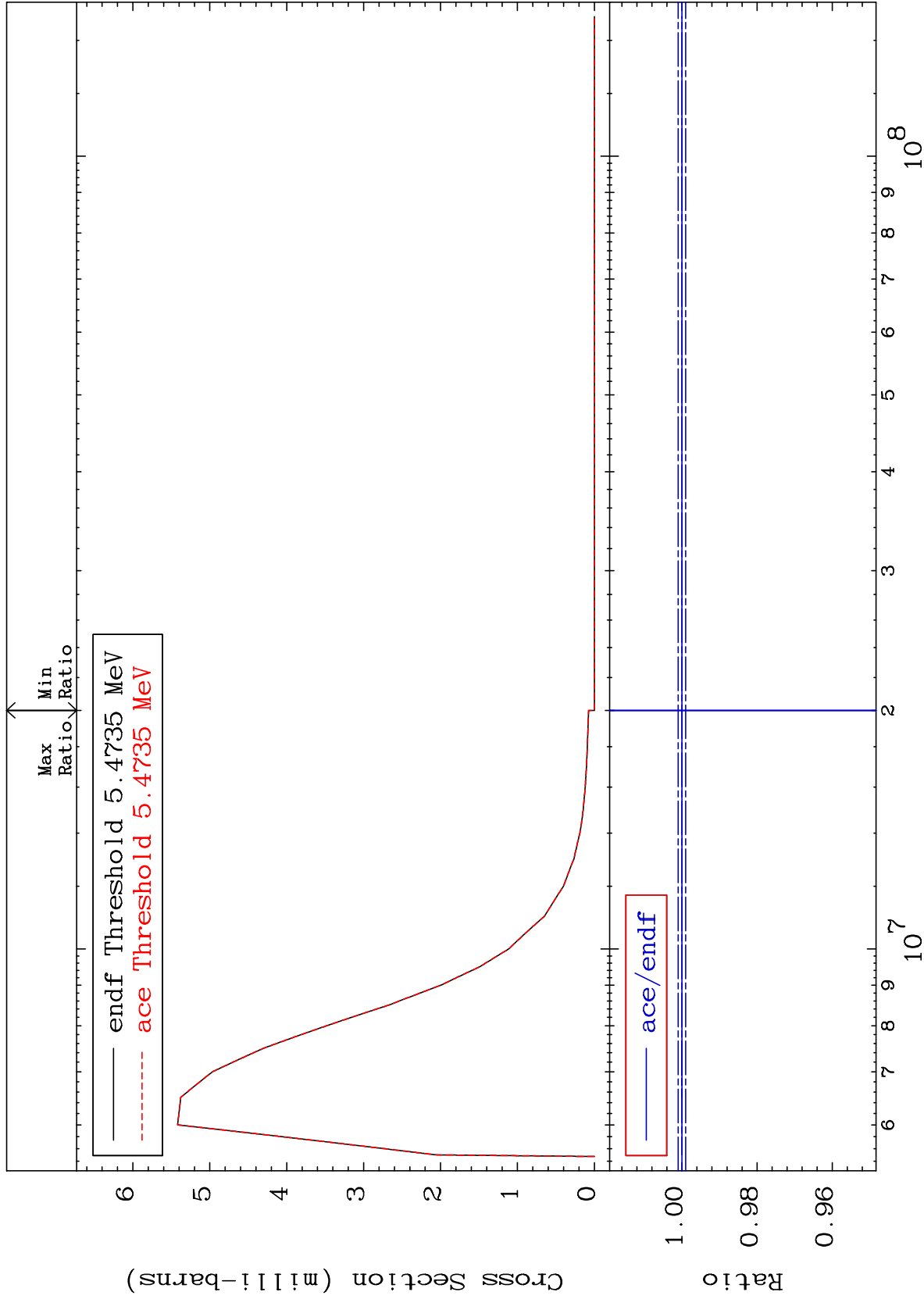


43 Incident Energy (eV) 20-Ca-42

MAT 2031

5.345 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

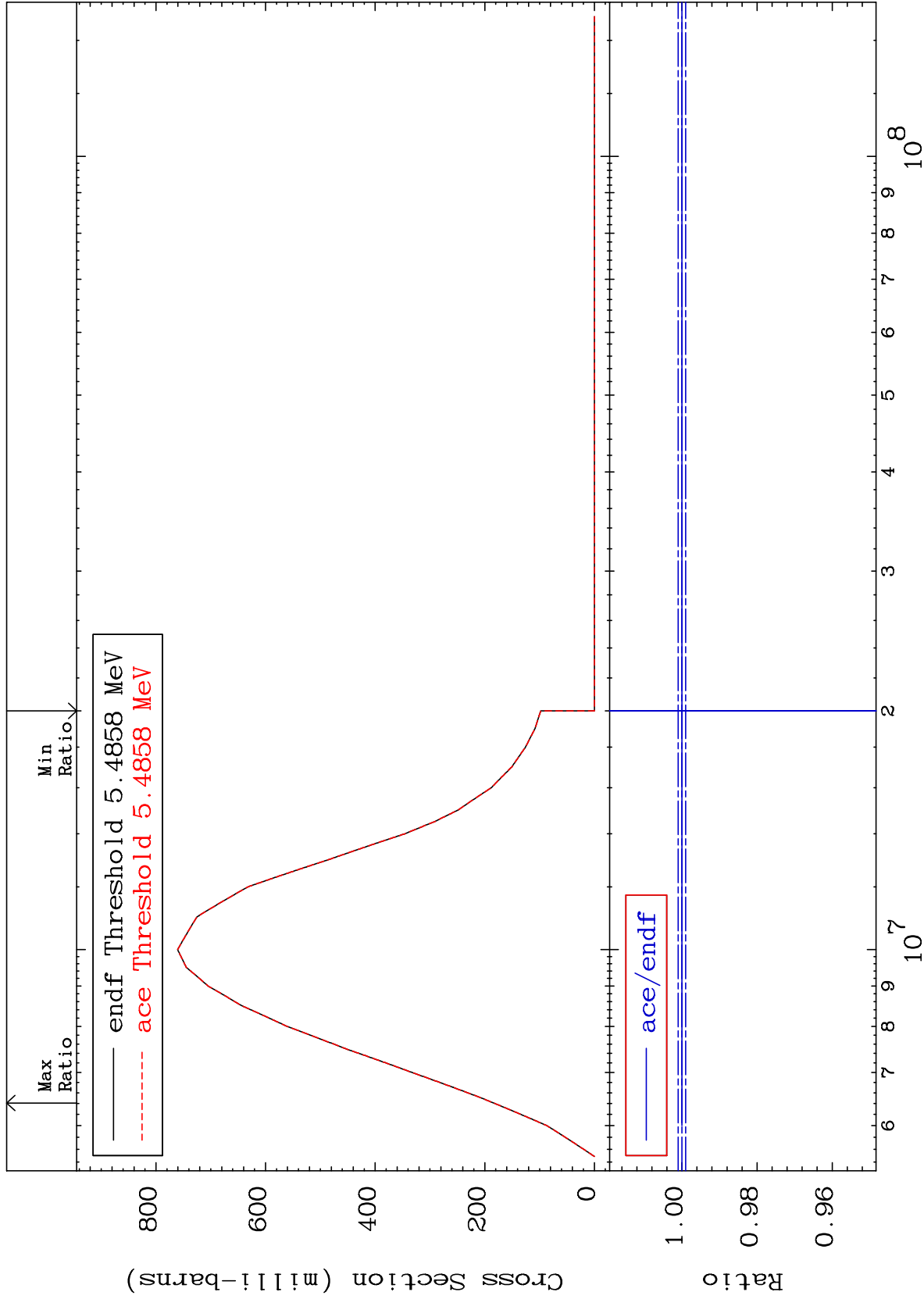


44

MAT 2031

(n,n') Continuum
Cross Section

20-Ca-42
-100.0 To 0.000 %



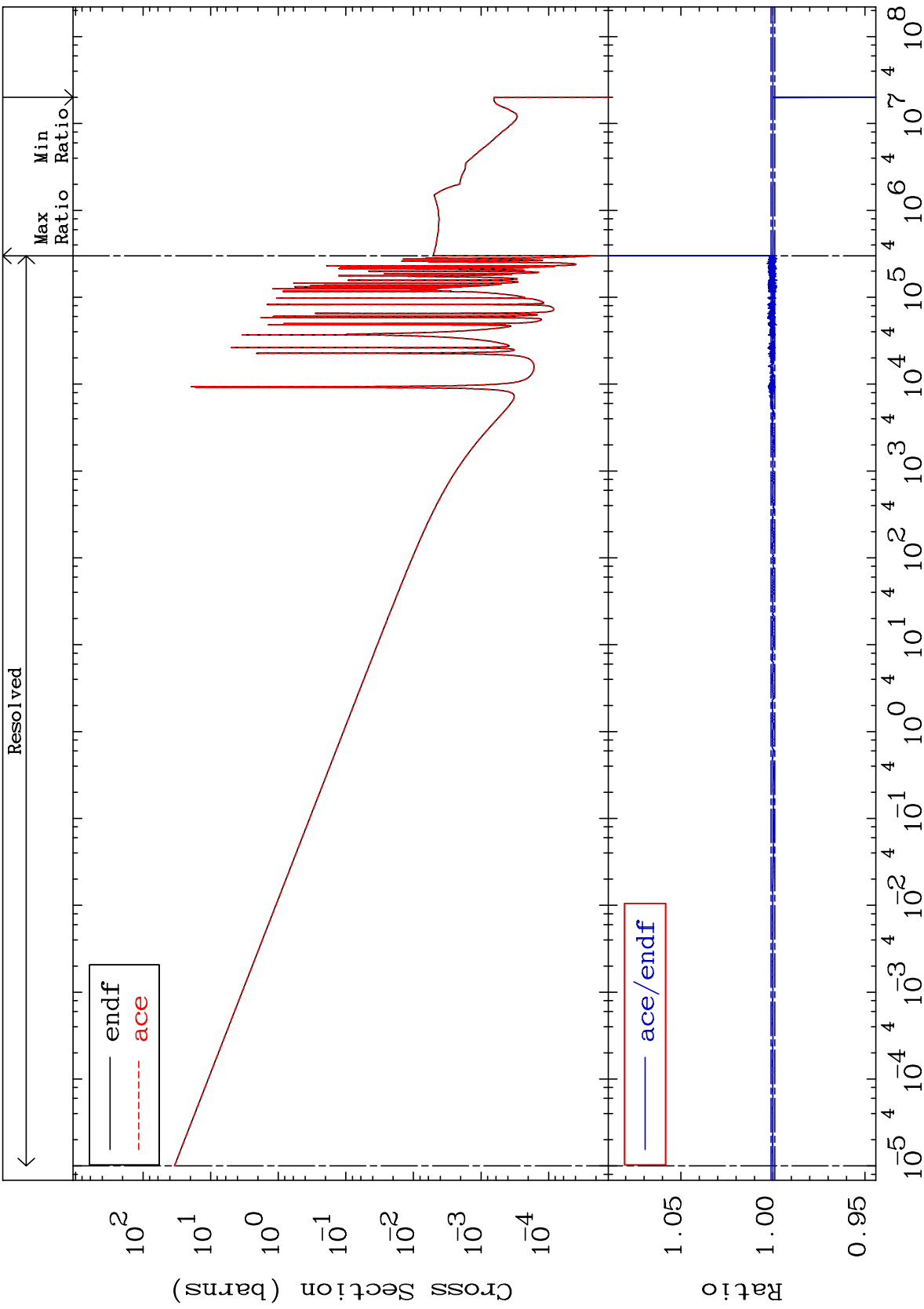
45

20-Ca-42

MAT 2031

(n, γ)
Cross Section

20-Ca-42
-100.0 To 98.34 %



MAT 2031 (n,p) Cross Section 20-Ca-42 -100.0 To 0.000 %

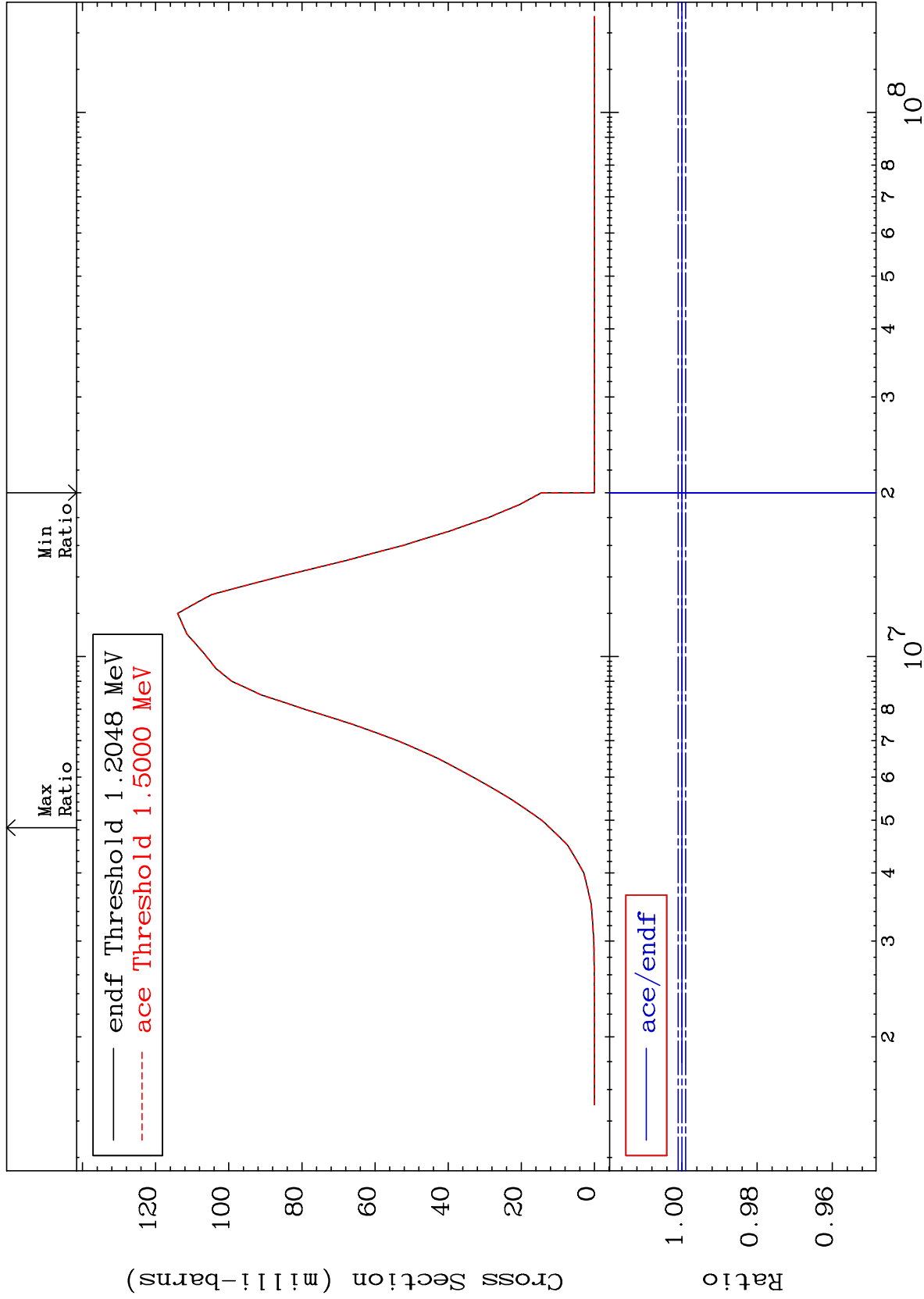


MAT 2031

(n, α)

20-Ca-42
-100.0 To 0.000 %

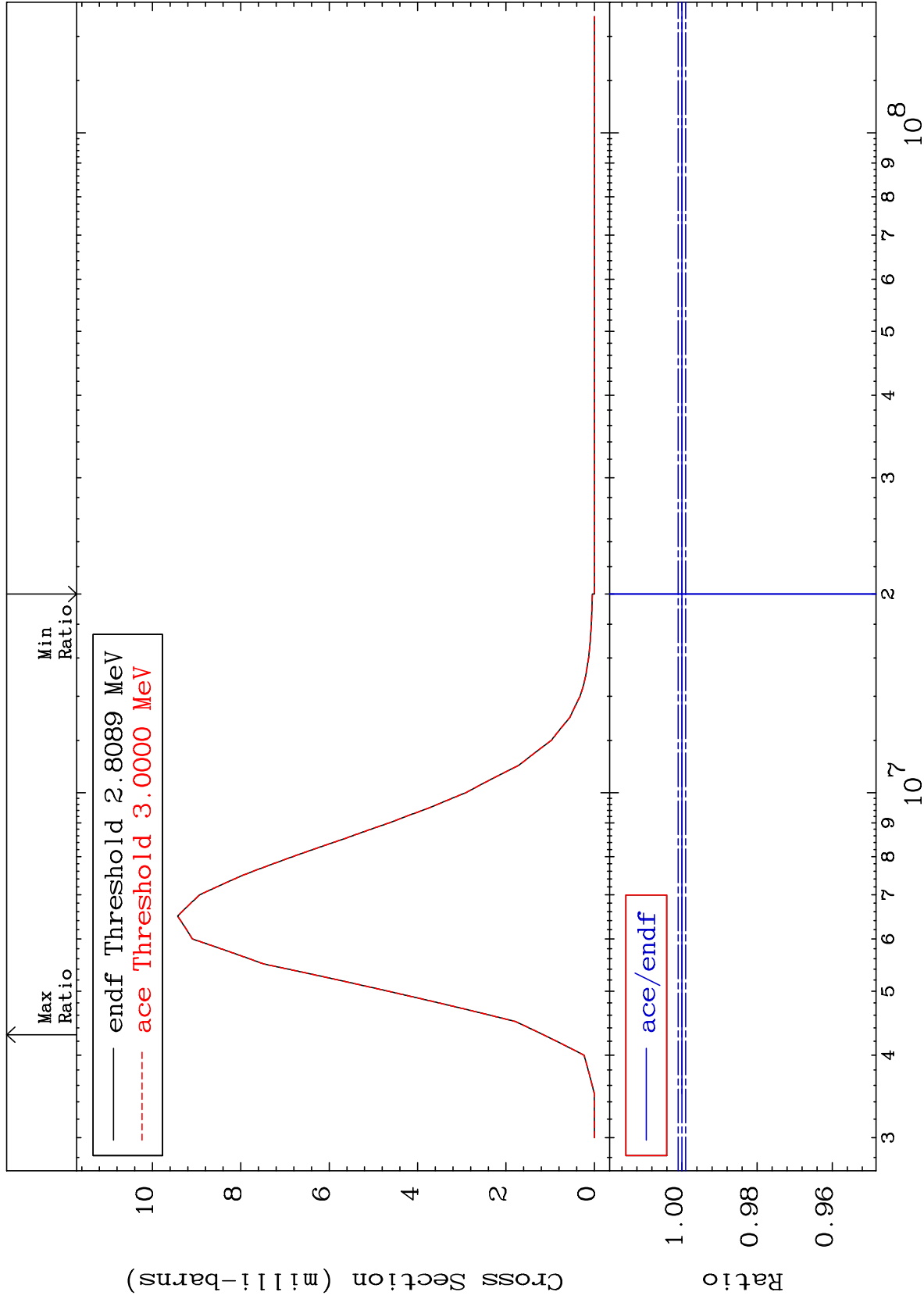
Cross Section



MAT 2031

(n, p') Ground
Cross Section

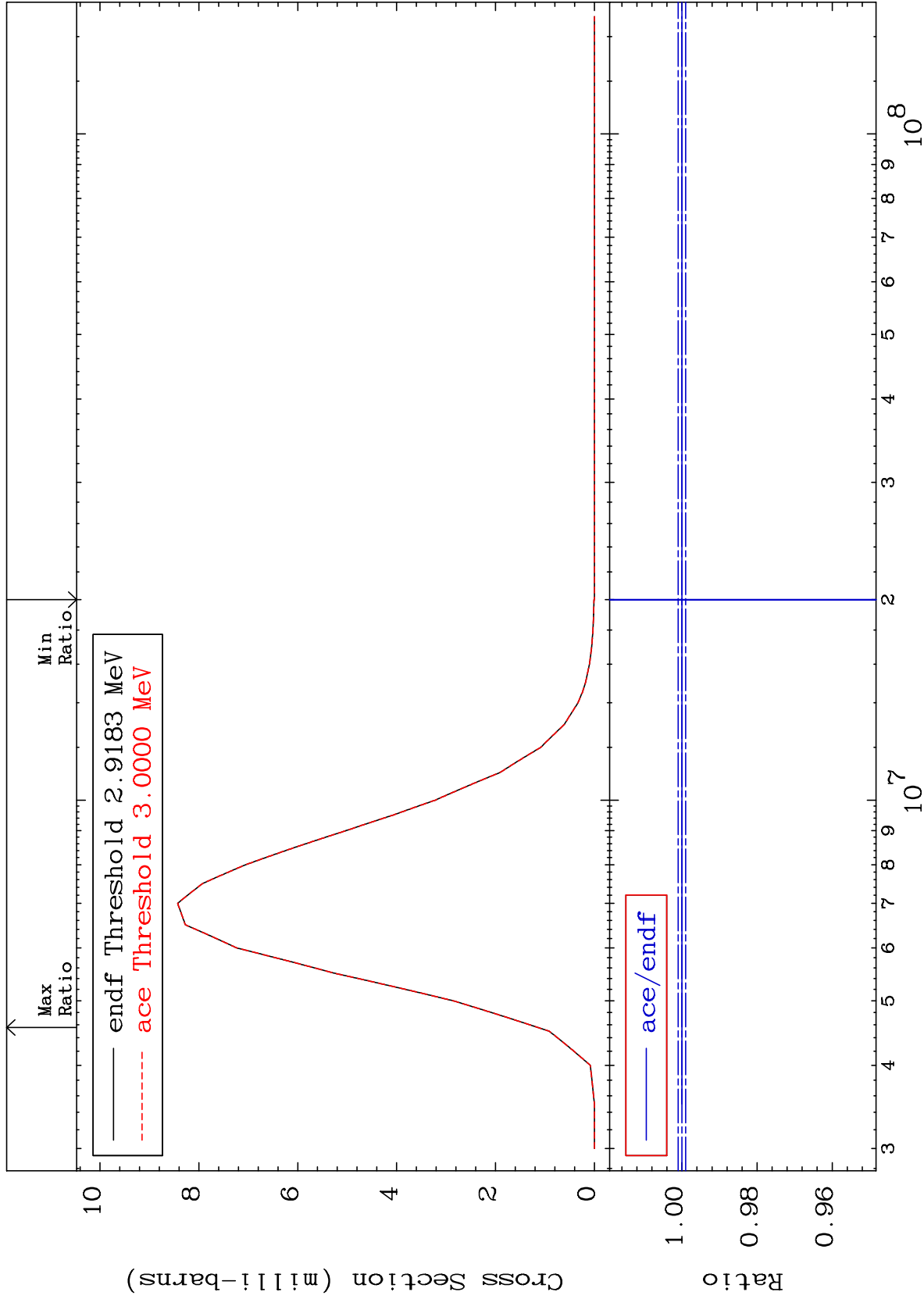
20-Ca-42
-100.0 To 0.000 %



MAT 2031

106.8 keV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



50

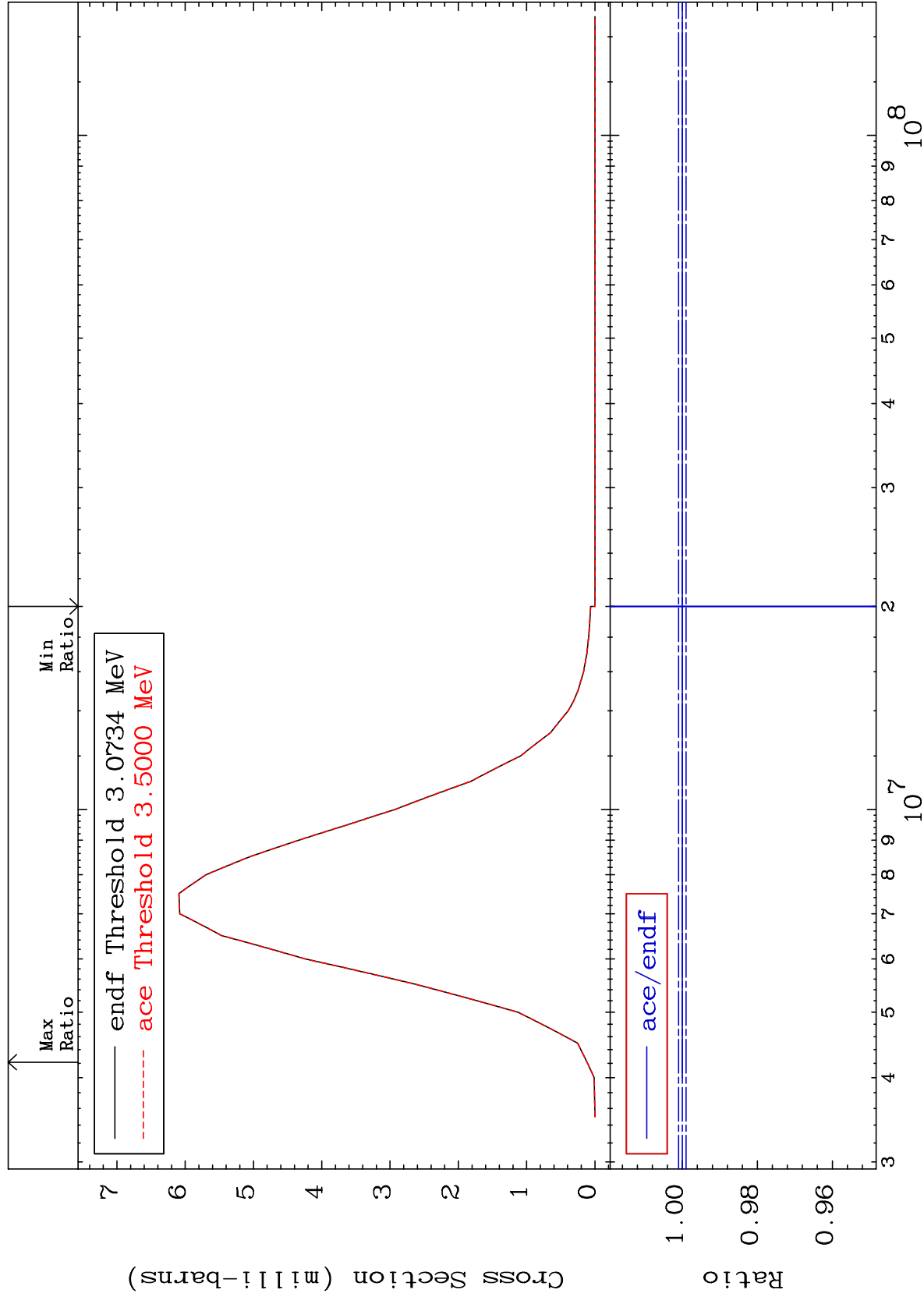
Incident Energy (eV)

20-Ca-42

MAT 2031

258.3 keV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

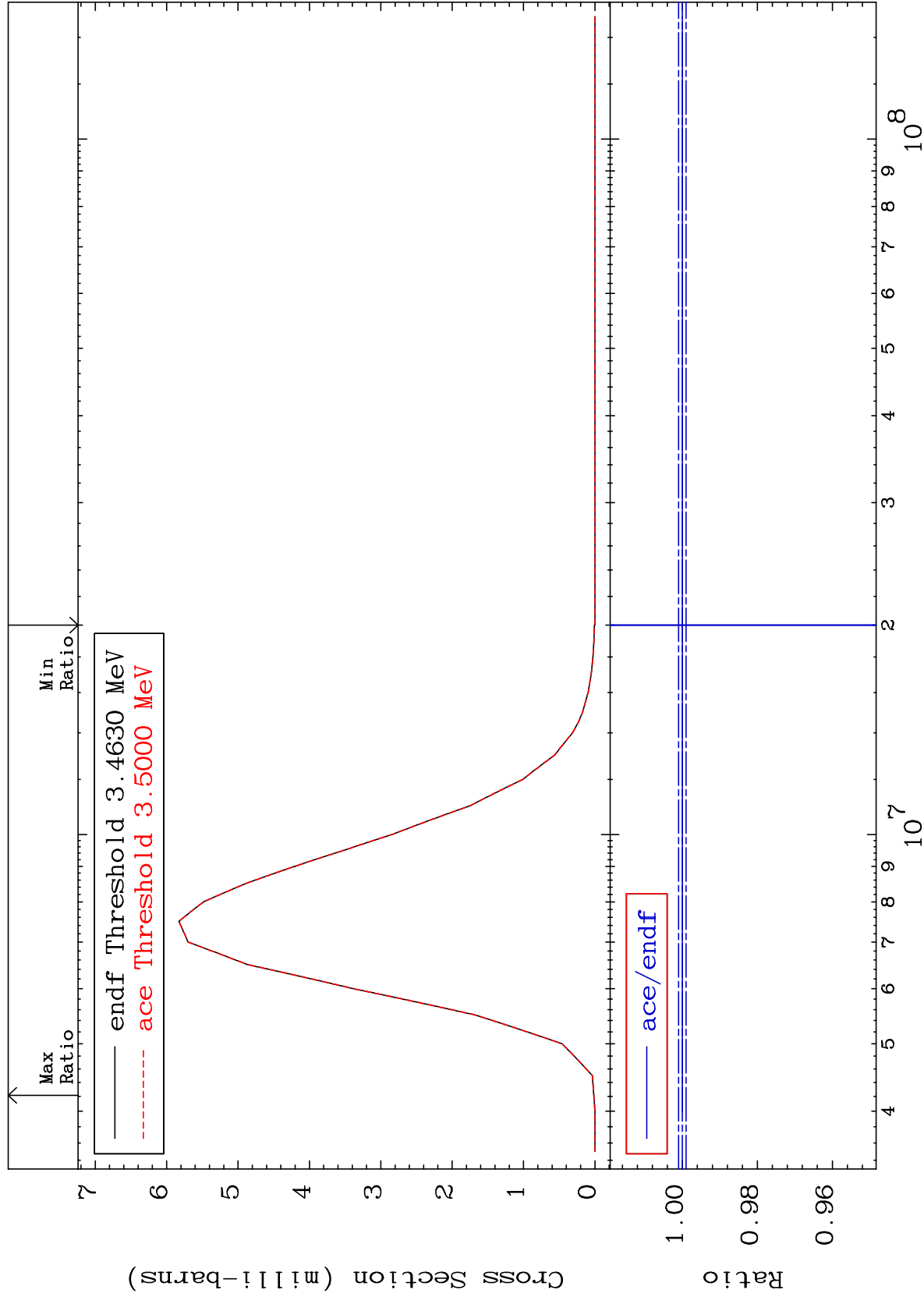


51

MAT 2031

638.7 keV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

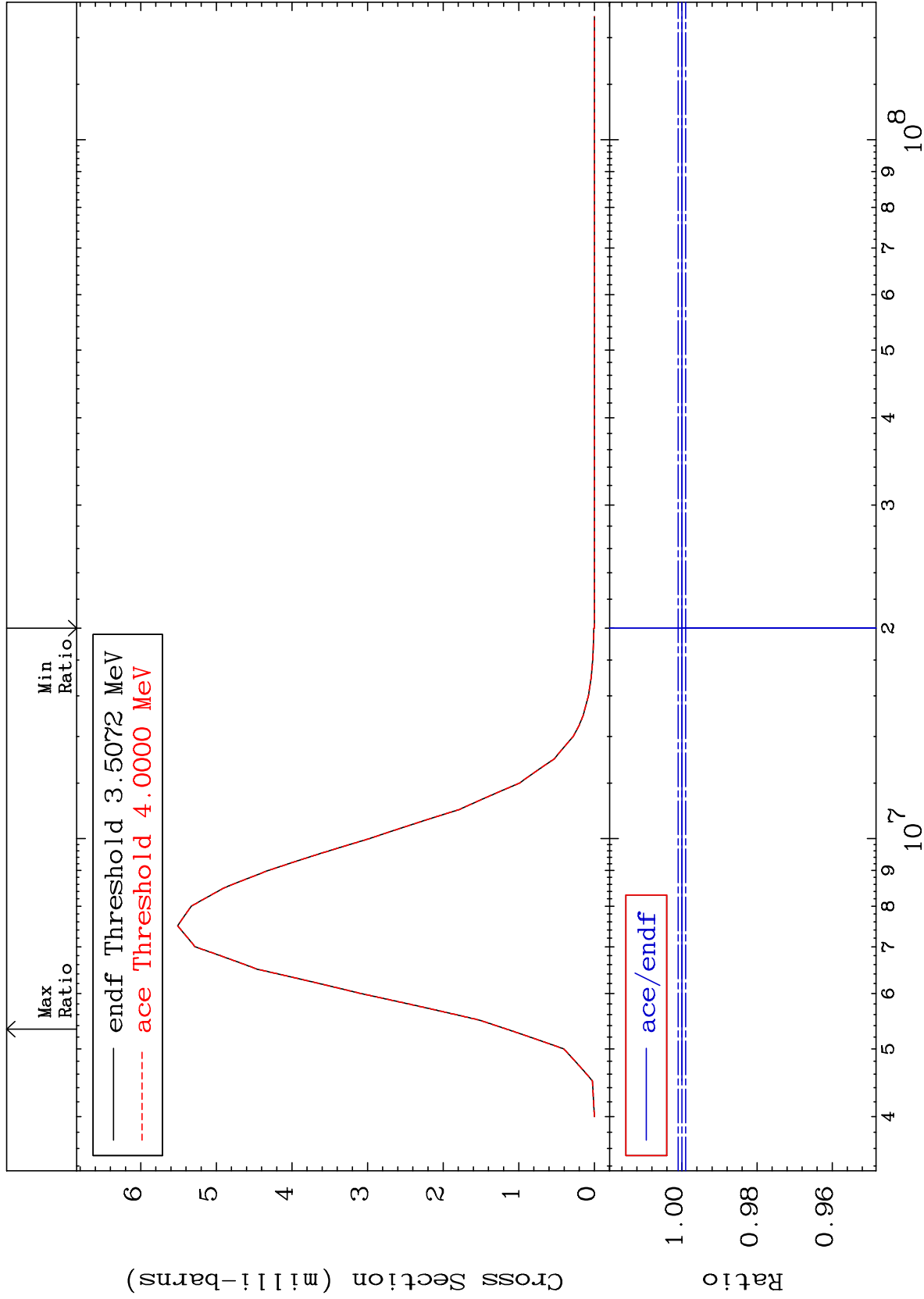


52

MAT 2031

681.9 keV (n,p') Level
Cross Section

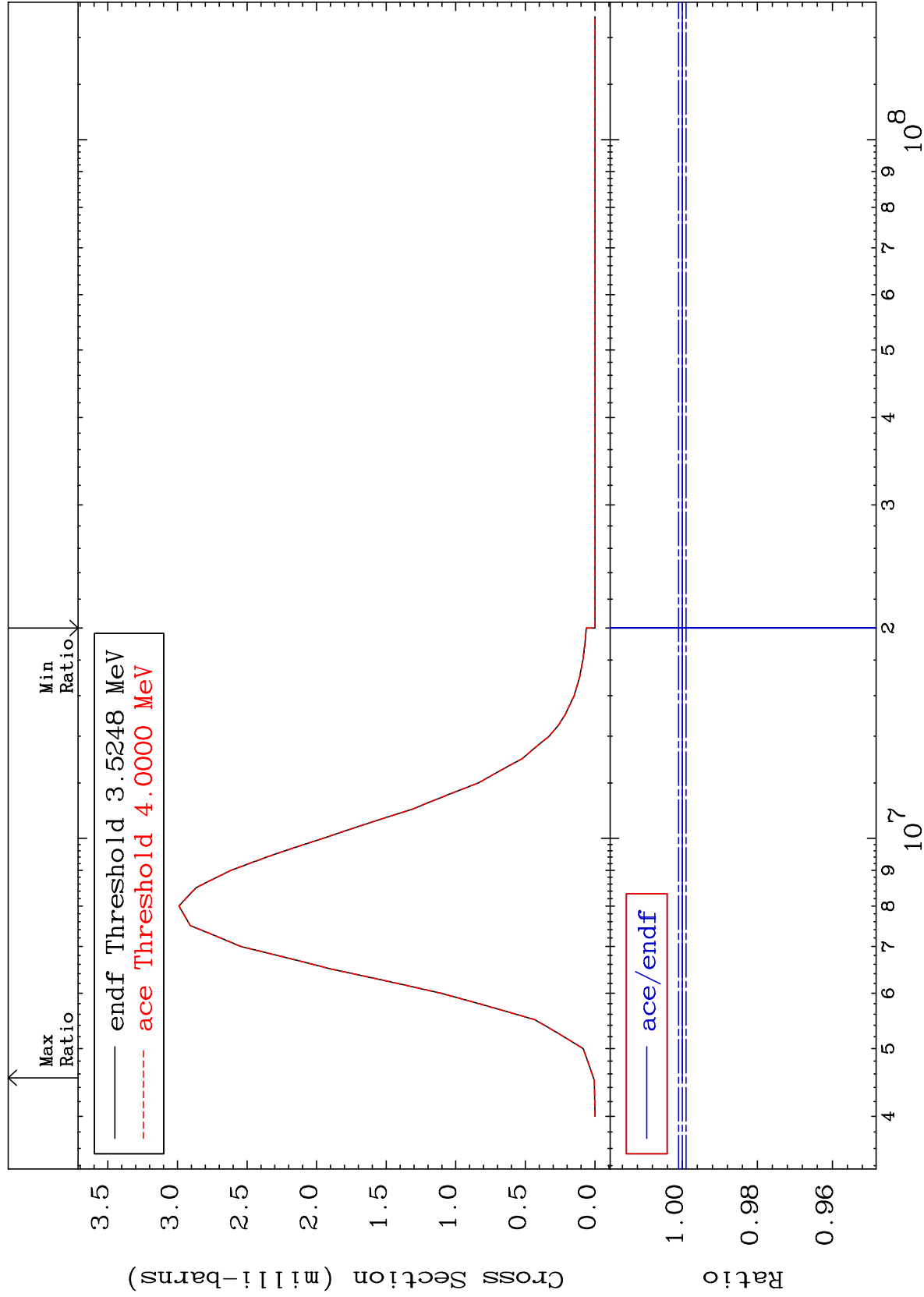
20-Ca-42
-100.0 To 0.000 %



MAT 2031

699.1 keV (n,p') Level
Cross Section

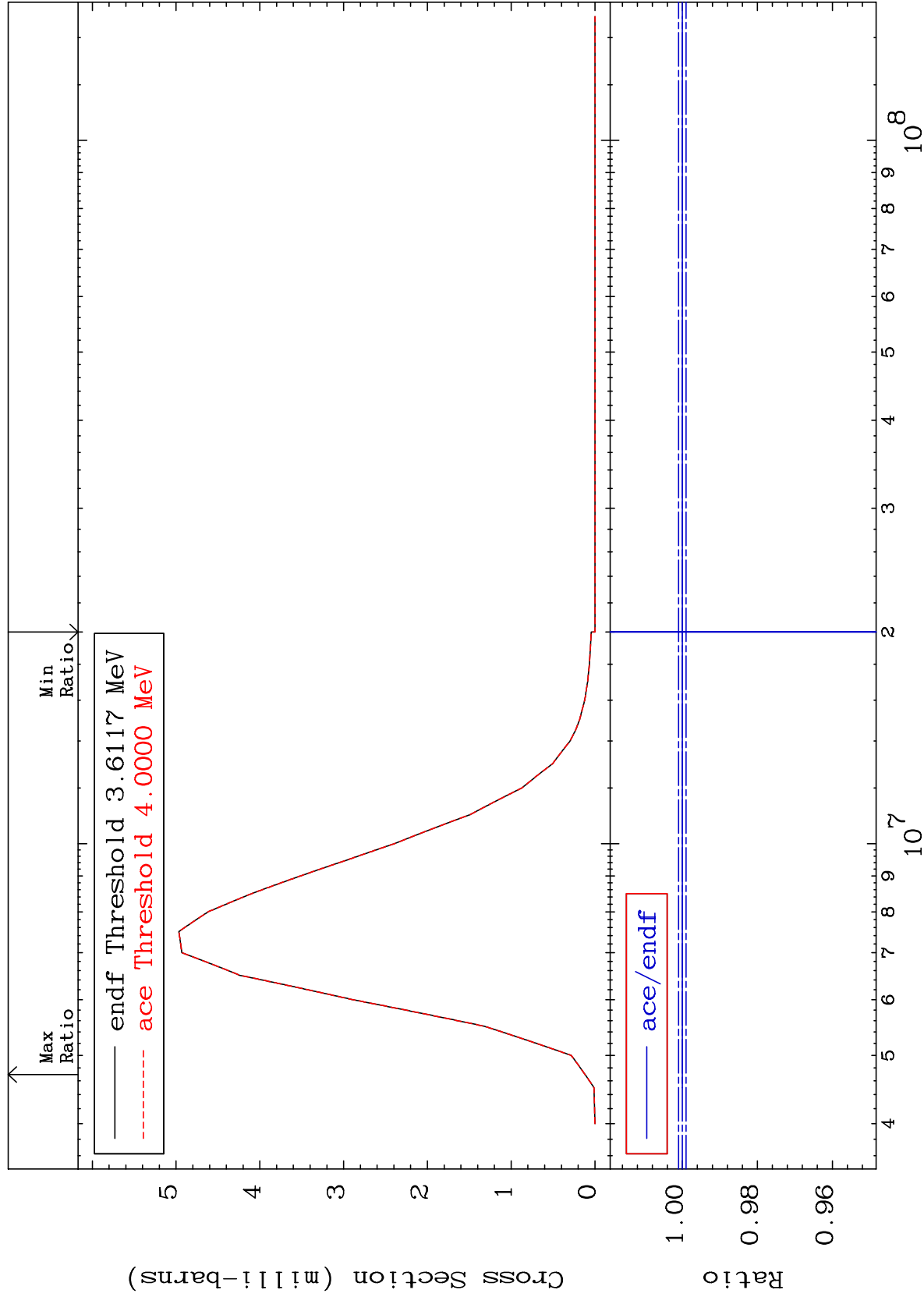
20-Ca-42
-100.0 To 0.000 %



MAT 2031

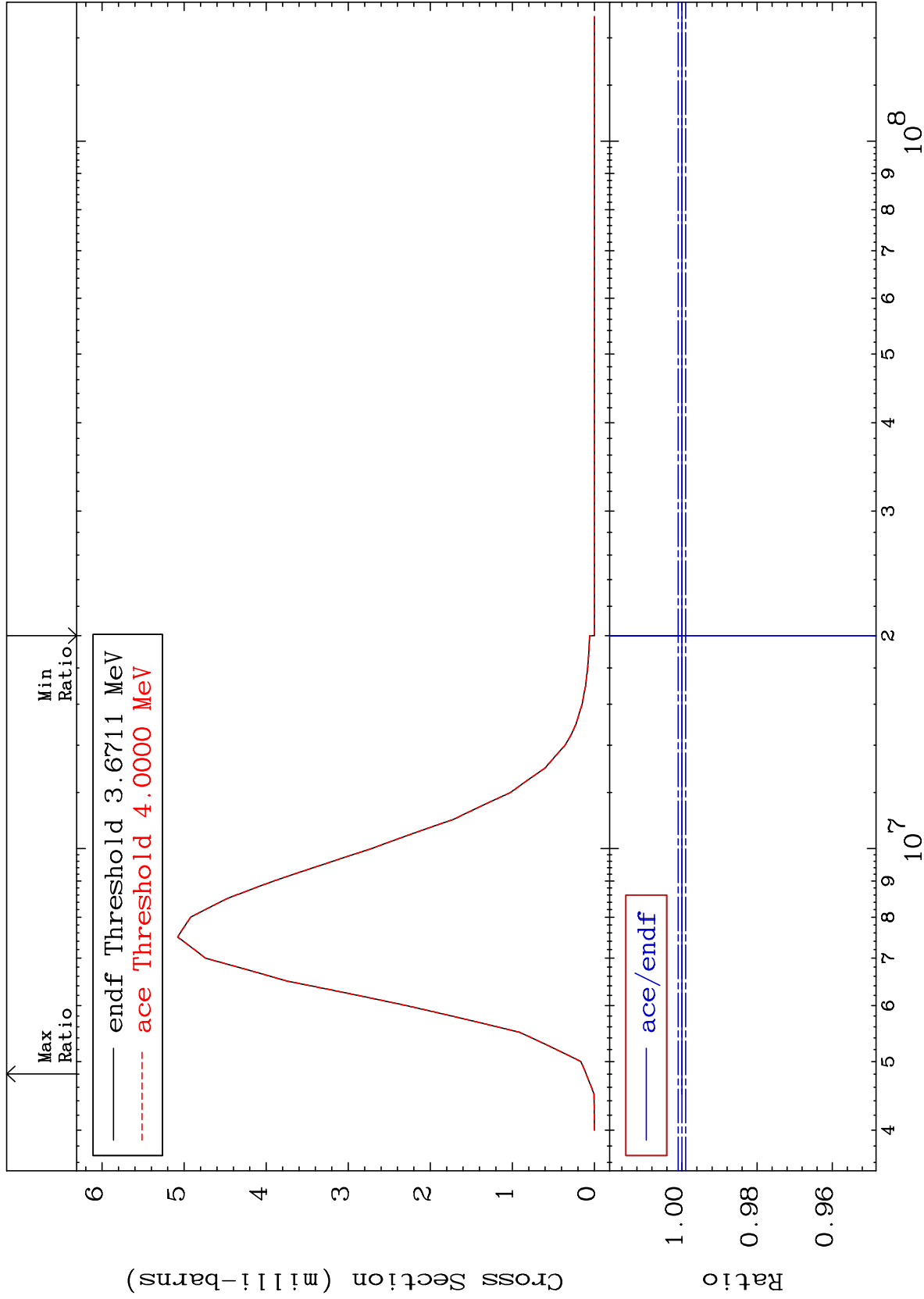
783.9 keV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



55

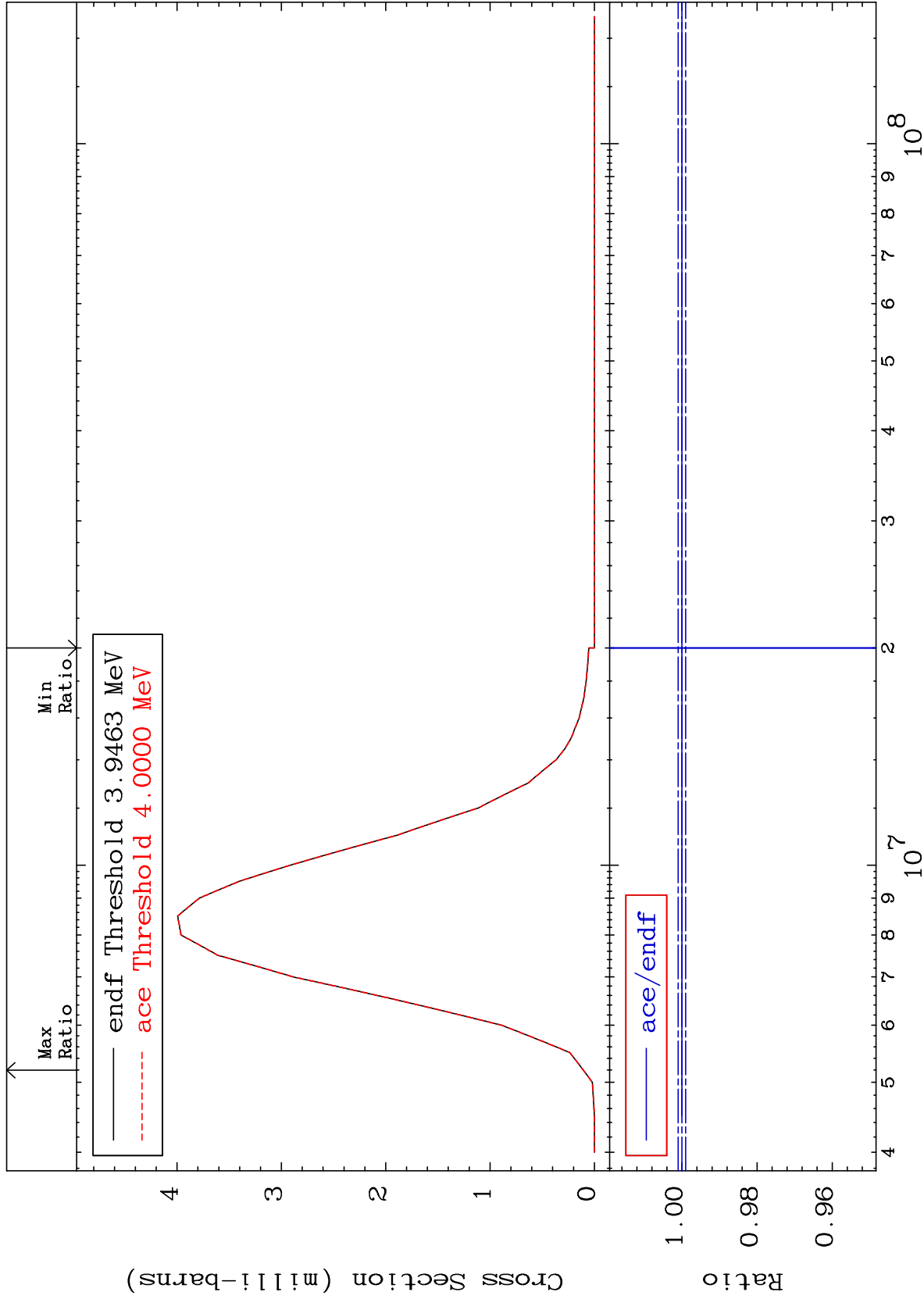
MAT 2031 841.9 keV (n,p') Level 20-Ca-42
Cross Section -100.0 To 0.000 %



MAT 2031

1.111 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



57

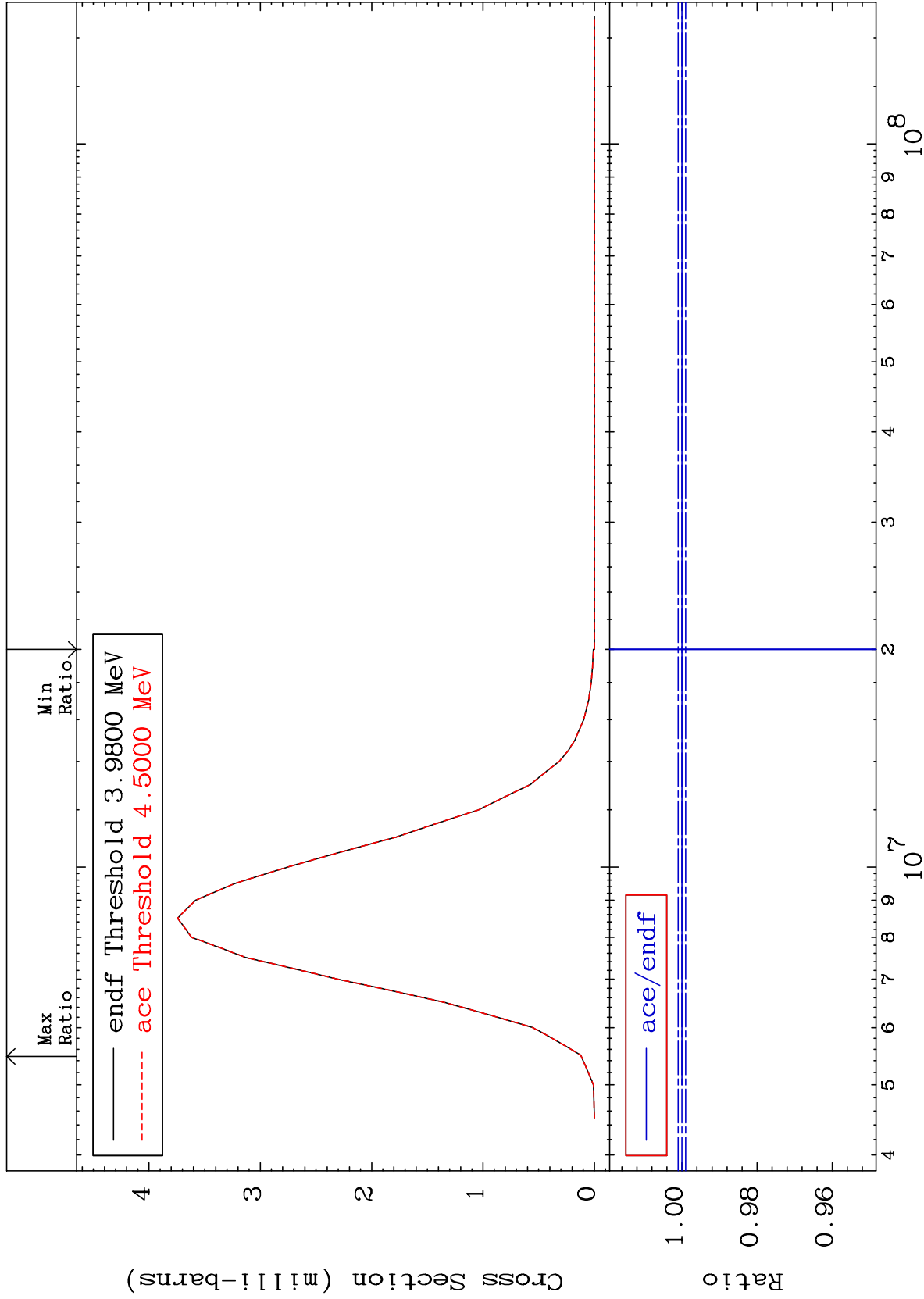
Incident Energy (eV)

20-Ca-42

MAT 2031

1.144 MeV (n,p') Level
Cross Section

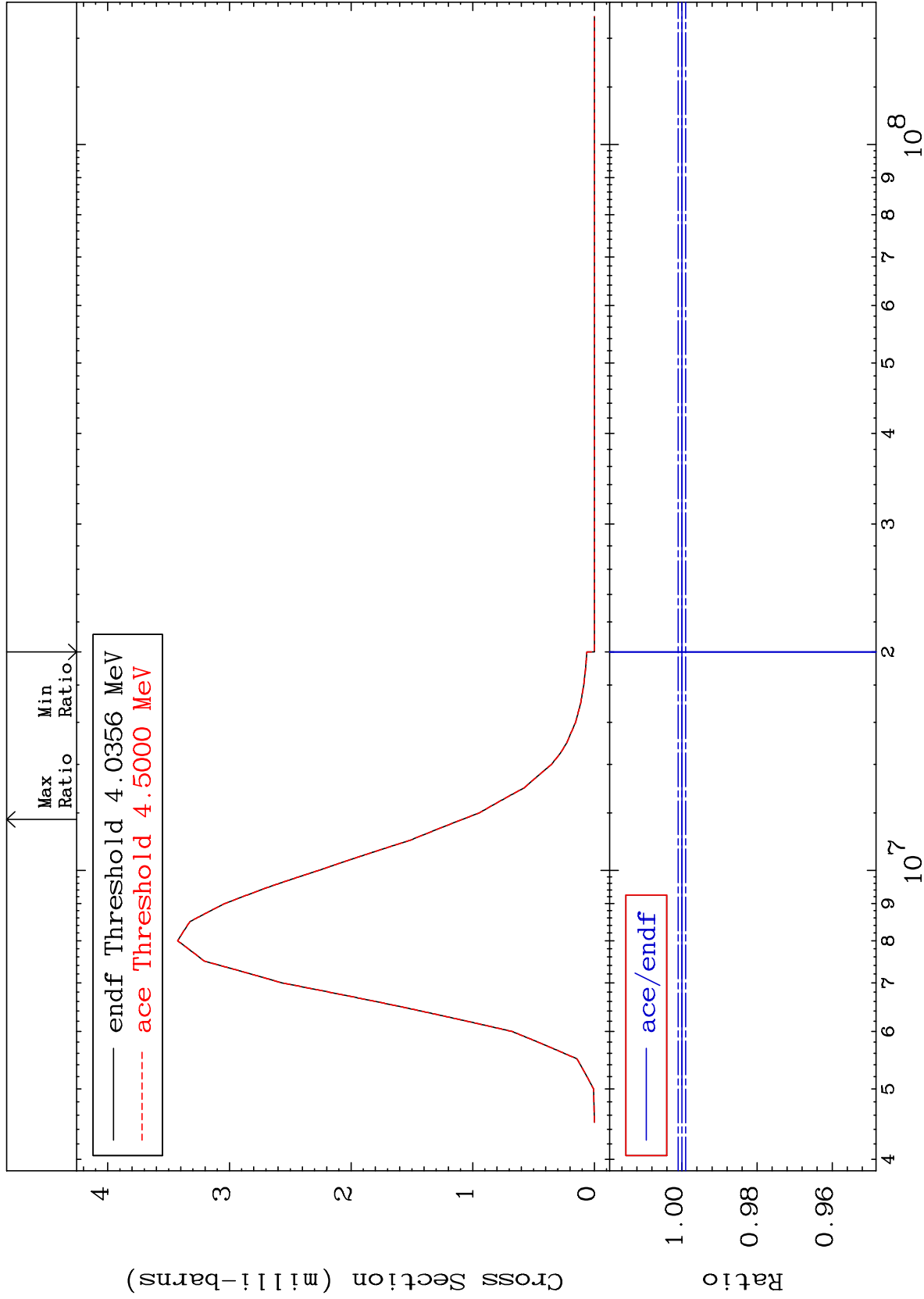
20-Ca-42
-100.0 To 0.000 %



MAT 2031

1.198 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

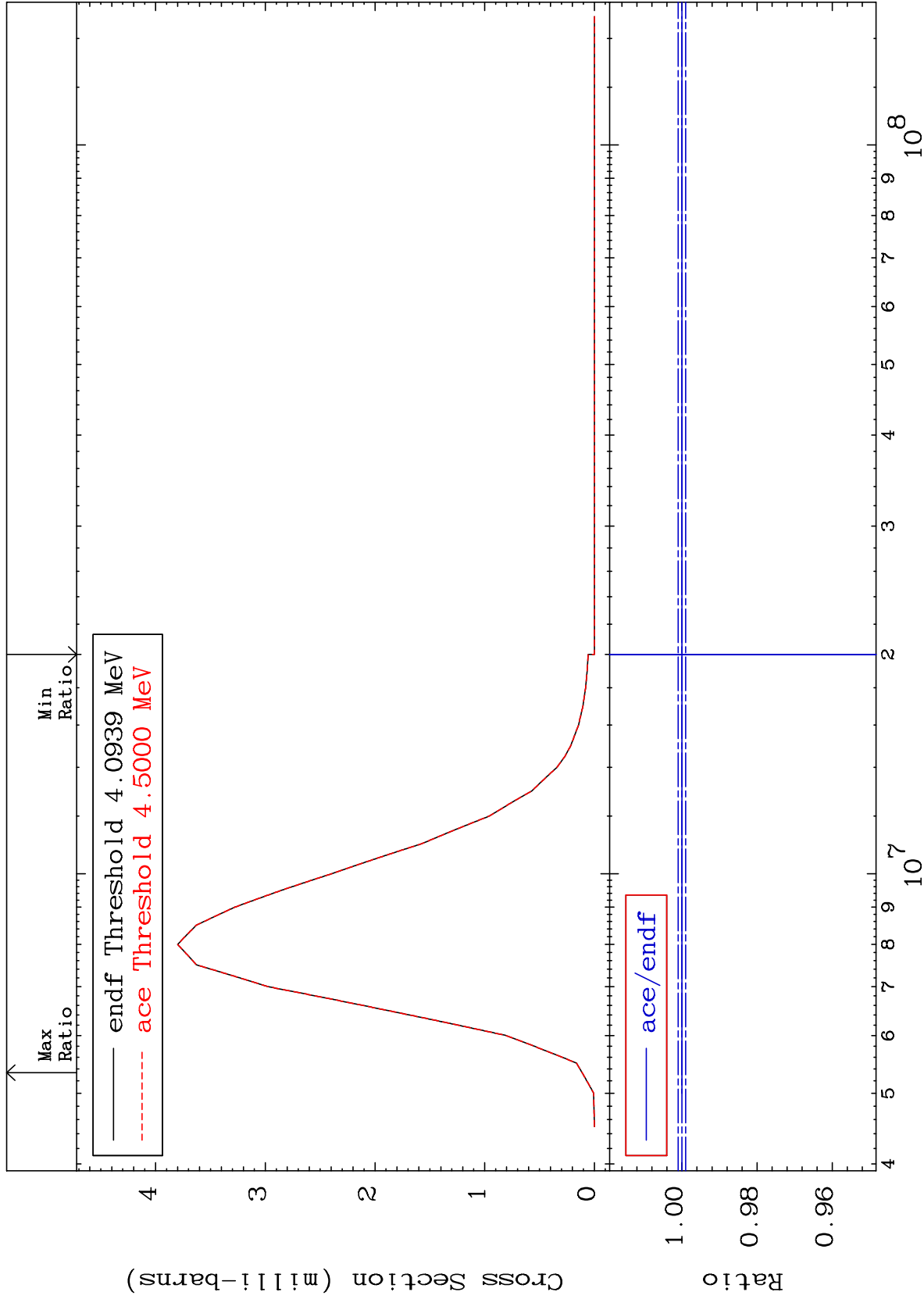


59

Incident Energy (eV)

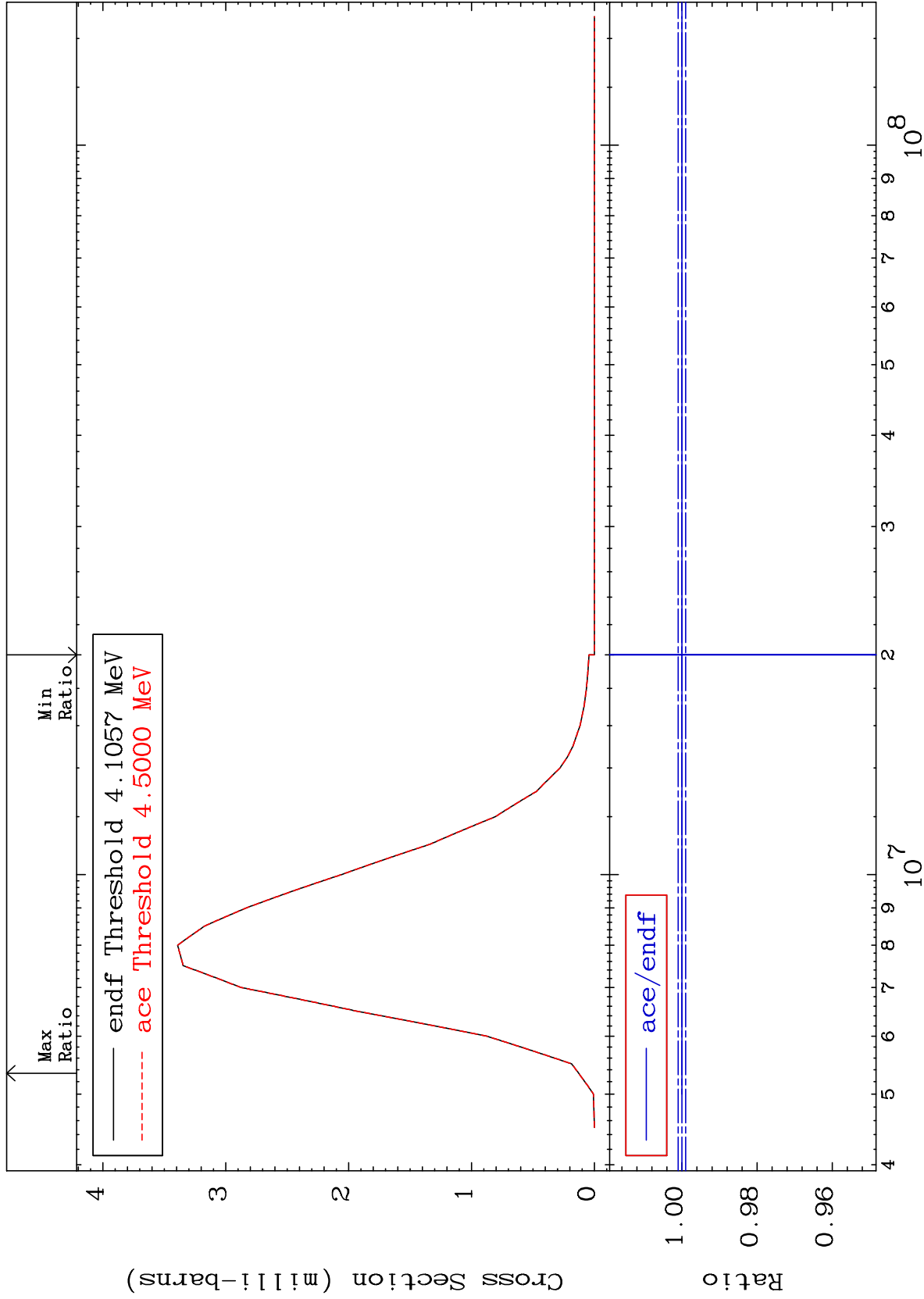
20-Ca-42

MAT 2031 1.255 MeV (n,p') Level
Cross Section -100.0 To 0.000 % 20-Ca-42

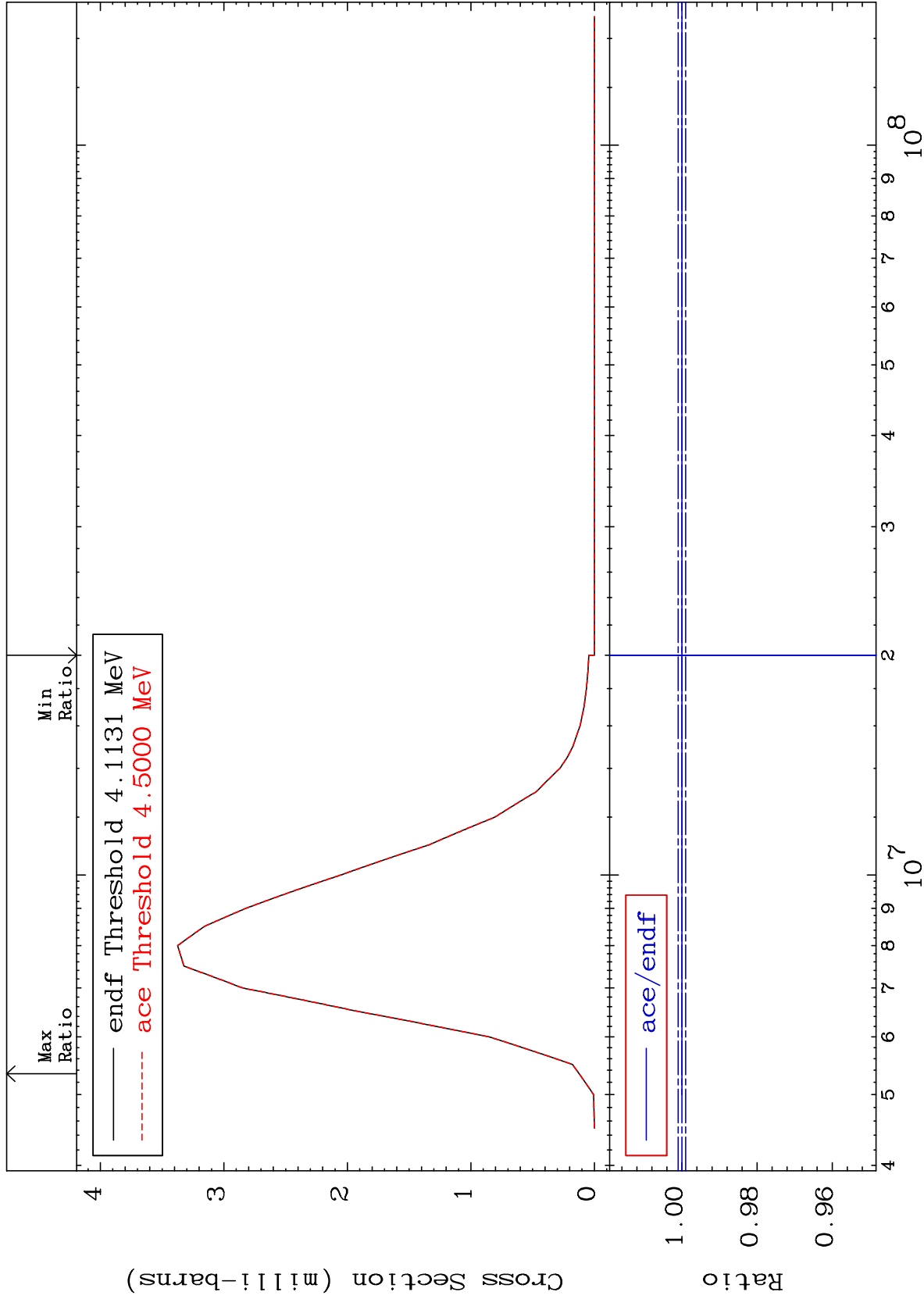


60

MAT 2031 1.266 MeV (n,p') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



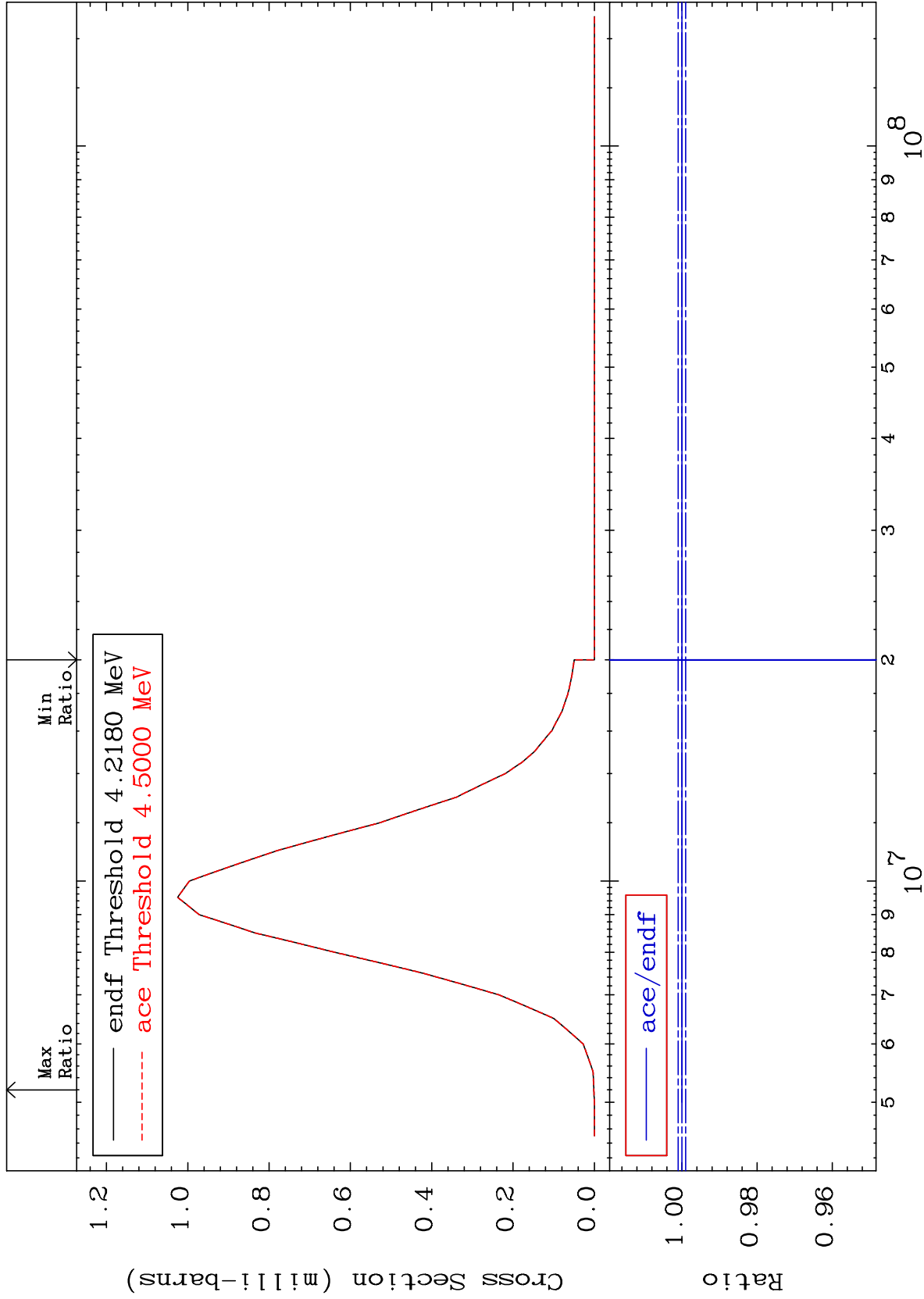
MAT 2031 1.273 MeV (n,p') Level
Cross Section -100.0 To 0.000 % 20-Ca-42



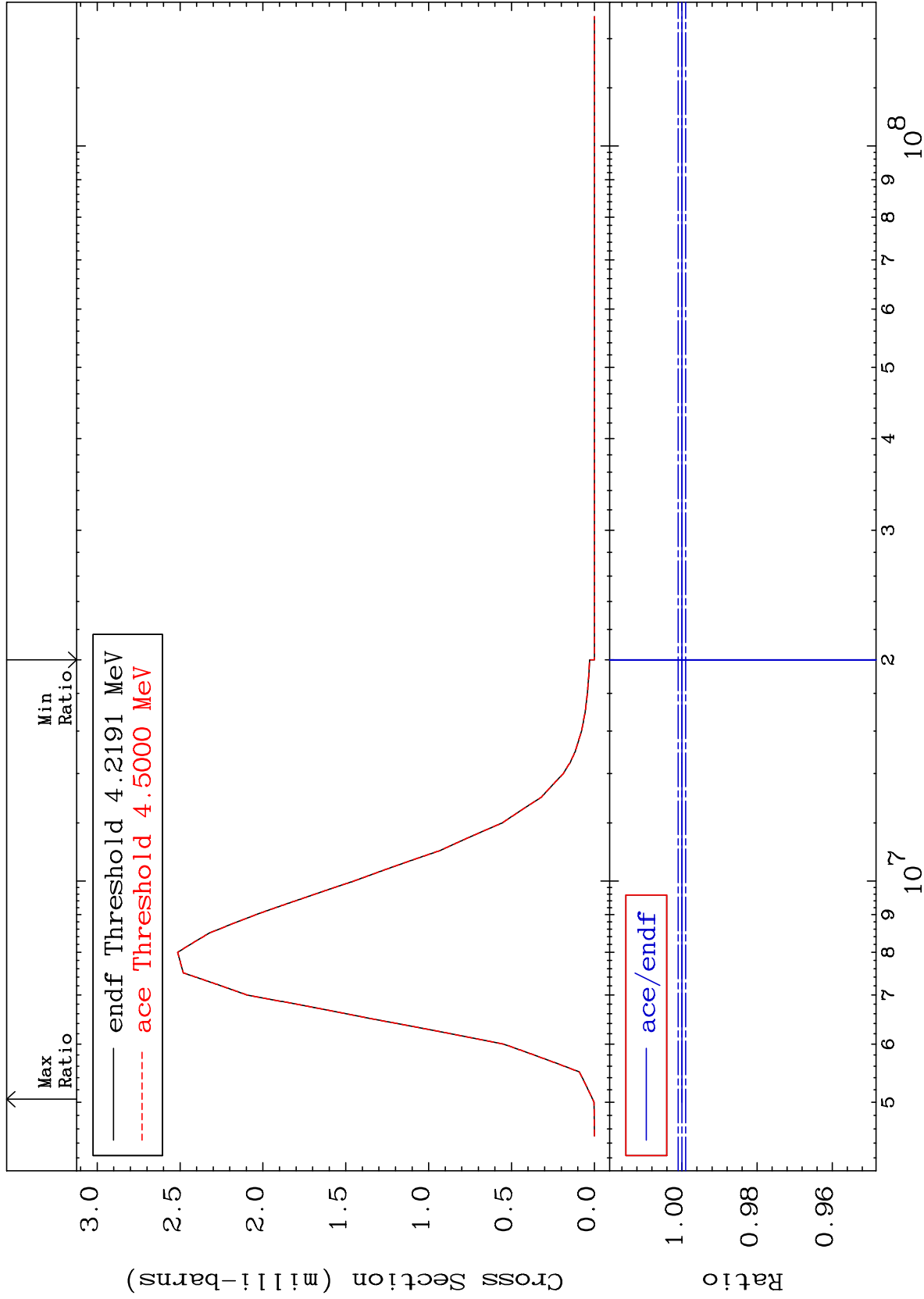
MAT 2031

1.376 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



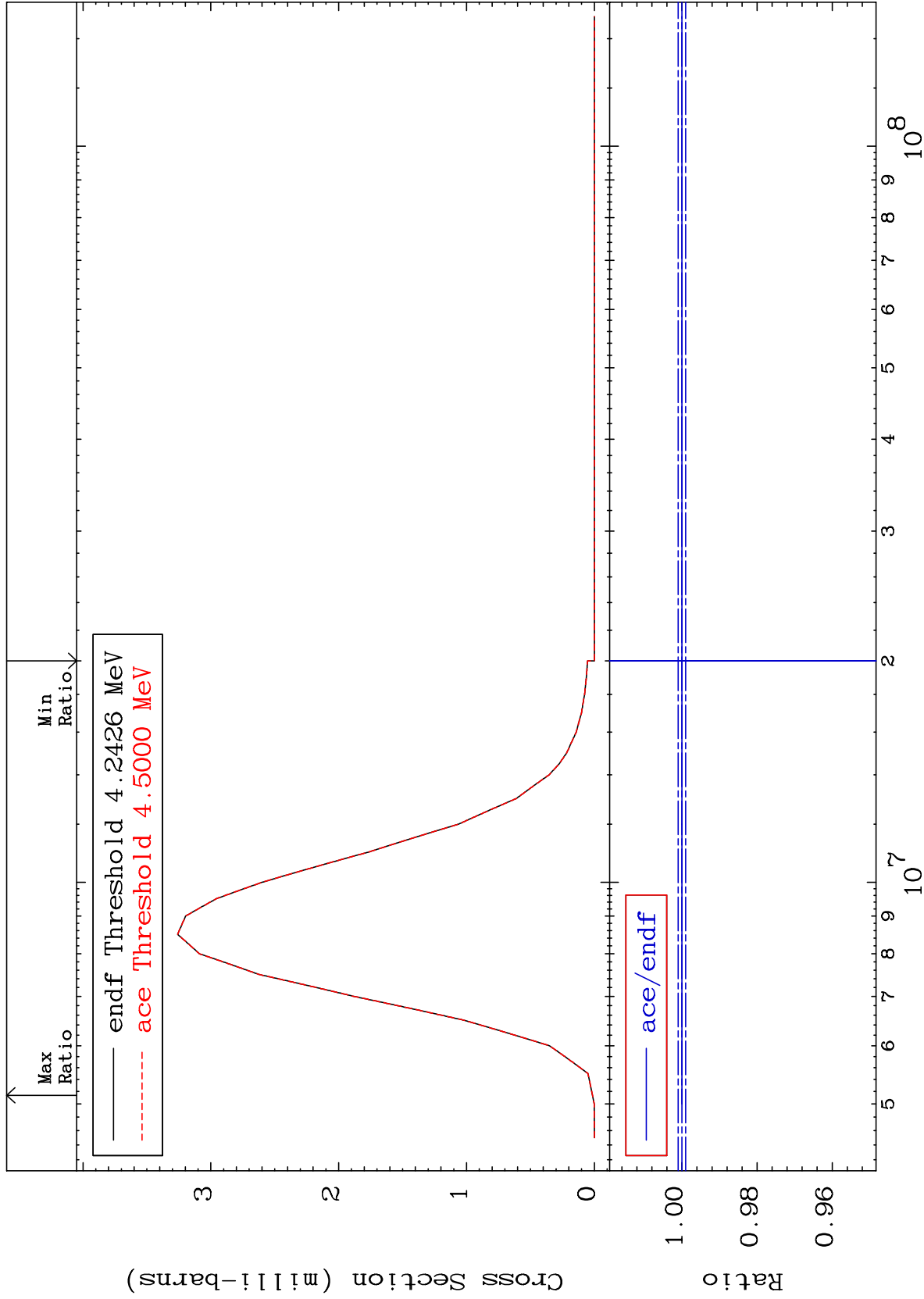
MAT 2031 1.377 MeV (n,p') Level
Cross Section -100.0 To 0.000 % 20-Ca-42



MAT 2031

1.400 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

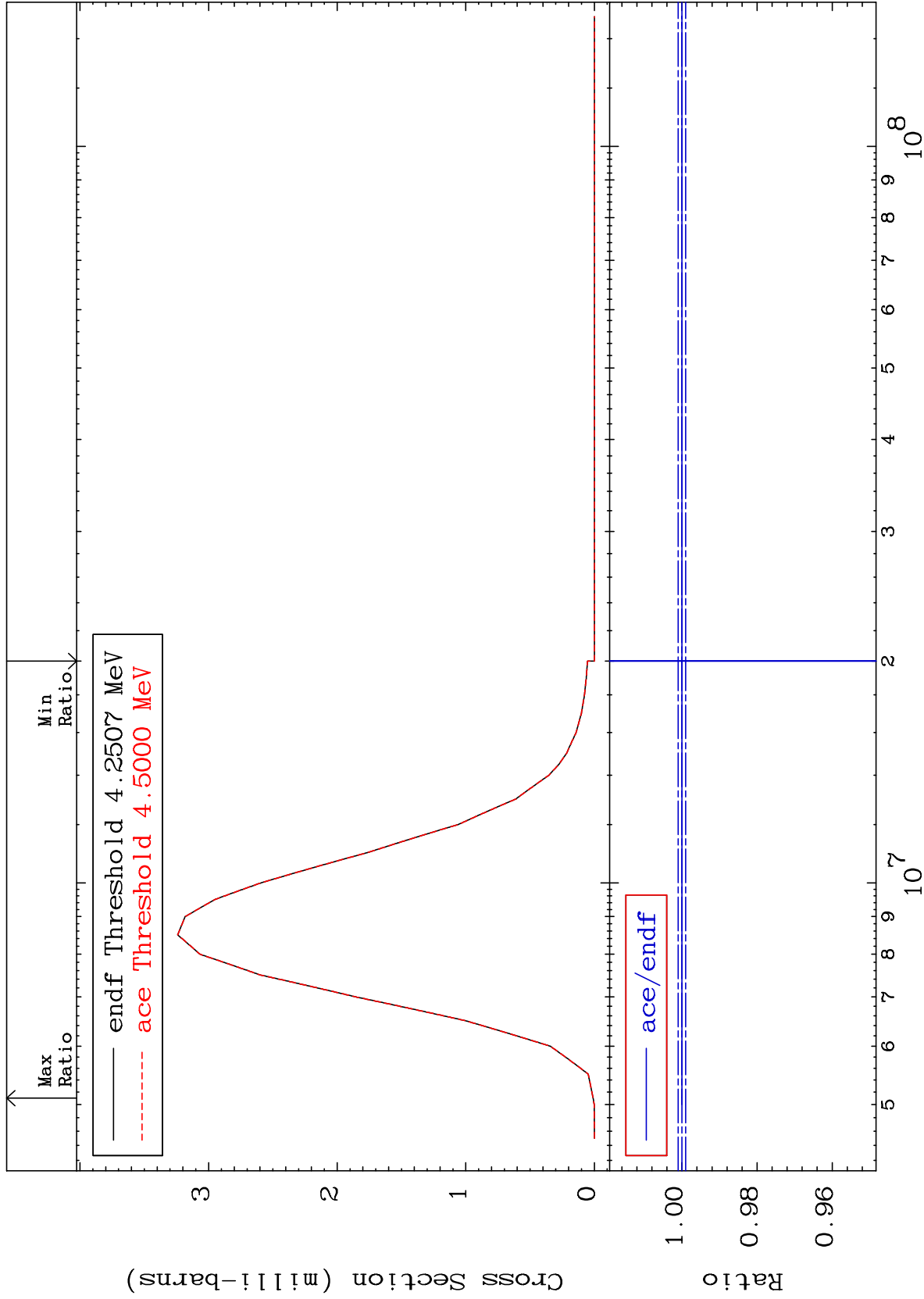


65

MAT 2031

1.408 MeV (n,p') Level
Cross Section

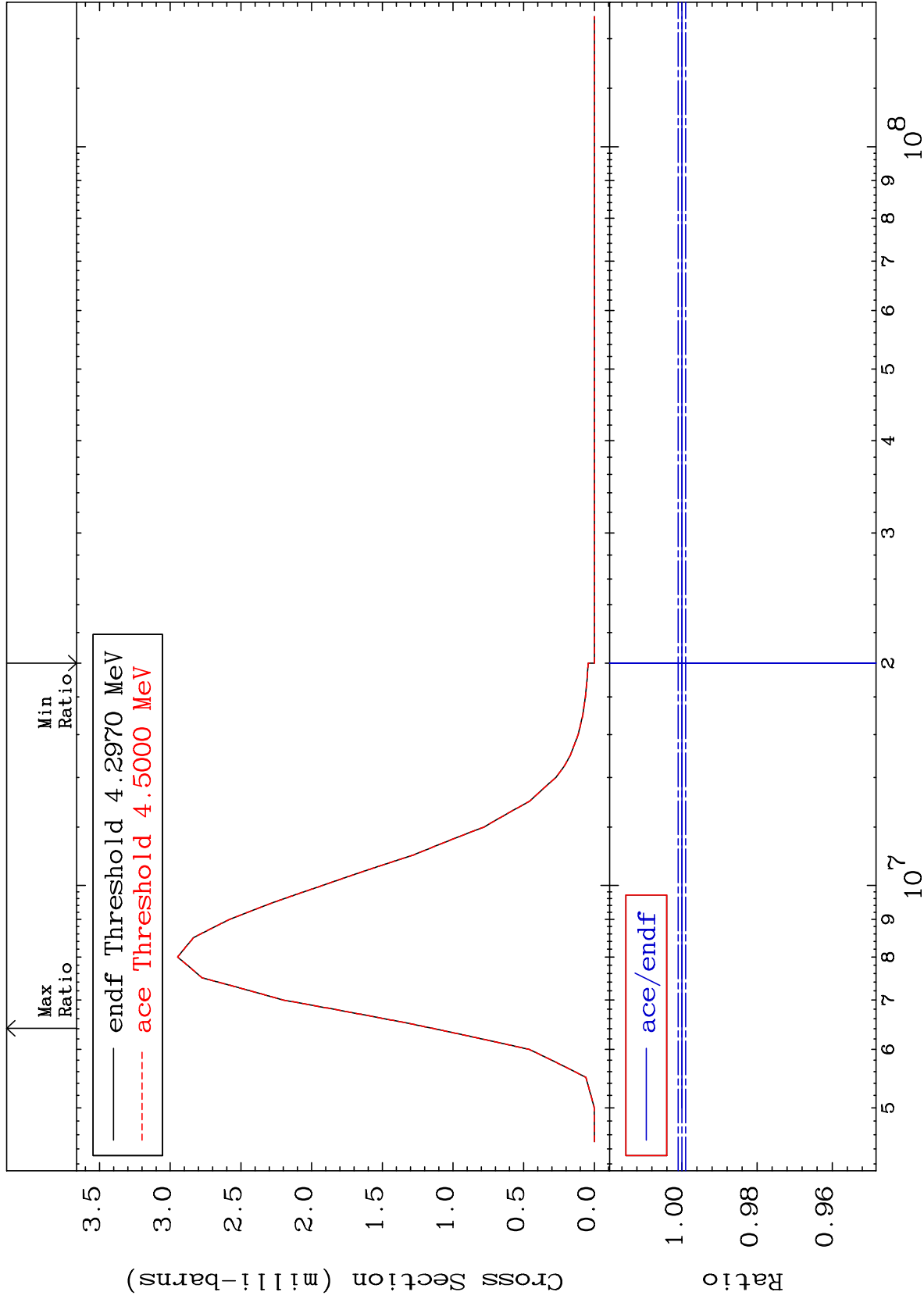
20-Ca-42
-100.0 To 0.000 %



MAT 2031

1.453 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

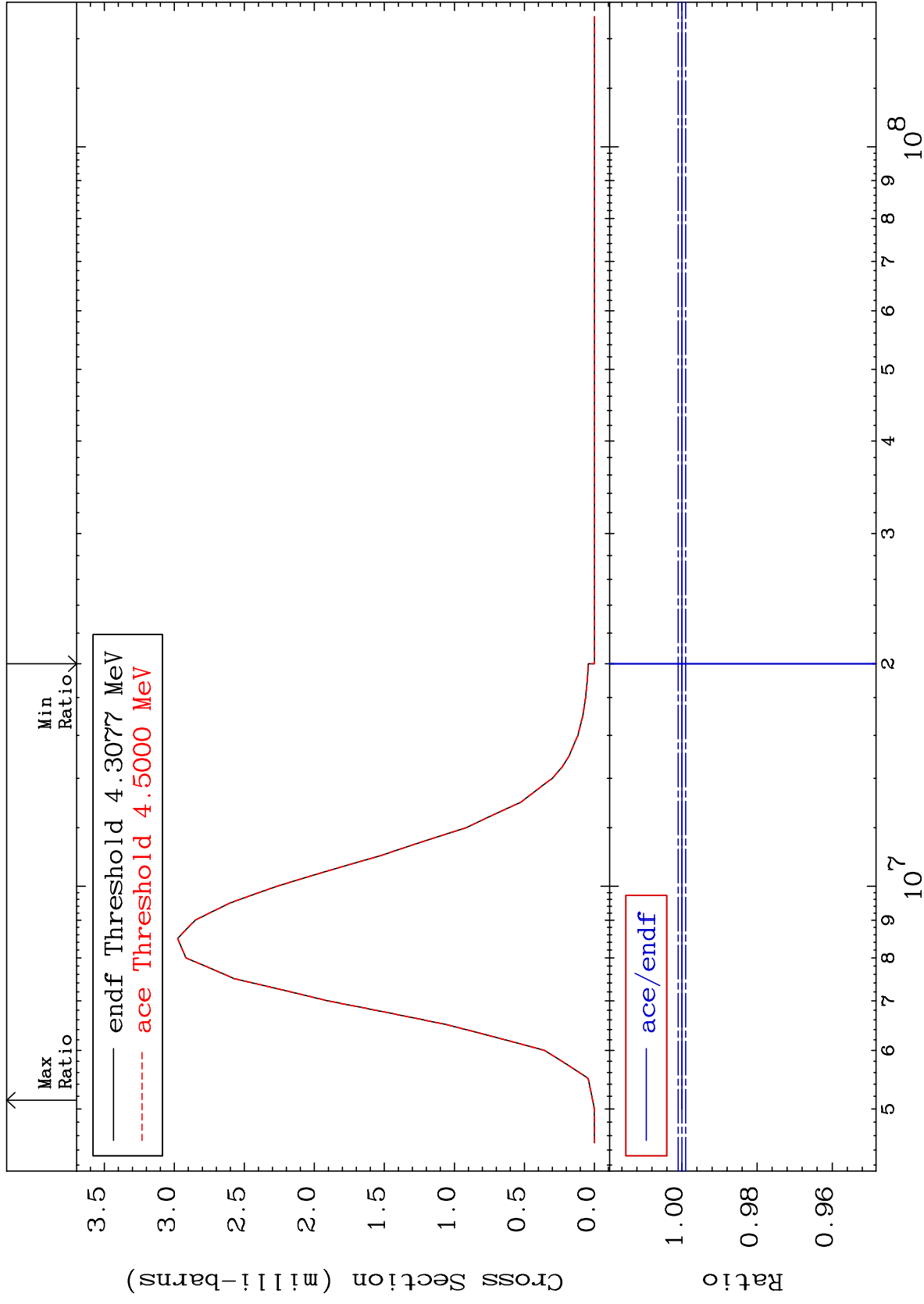


67

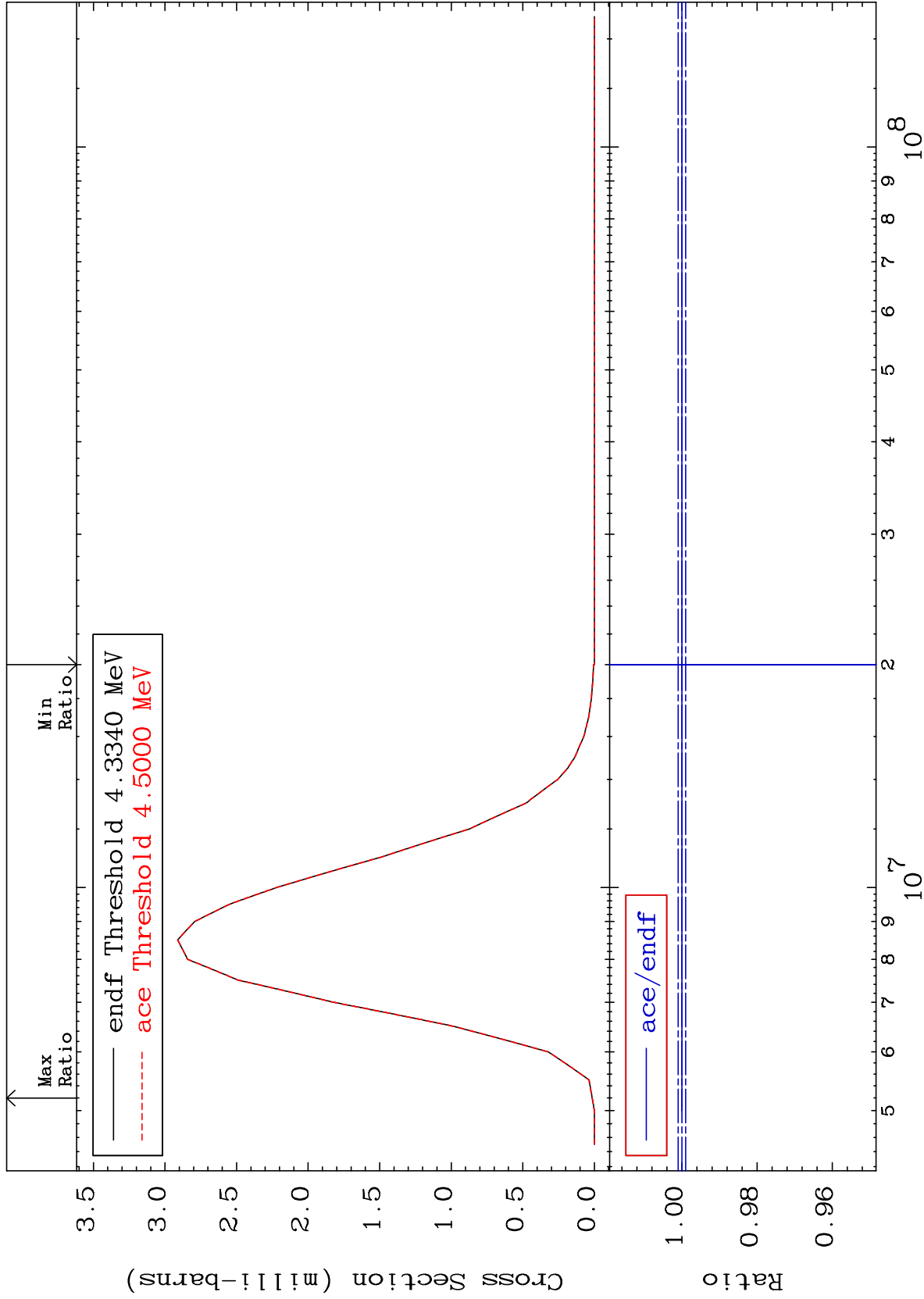
MAT 2031

1.464 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



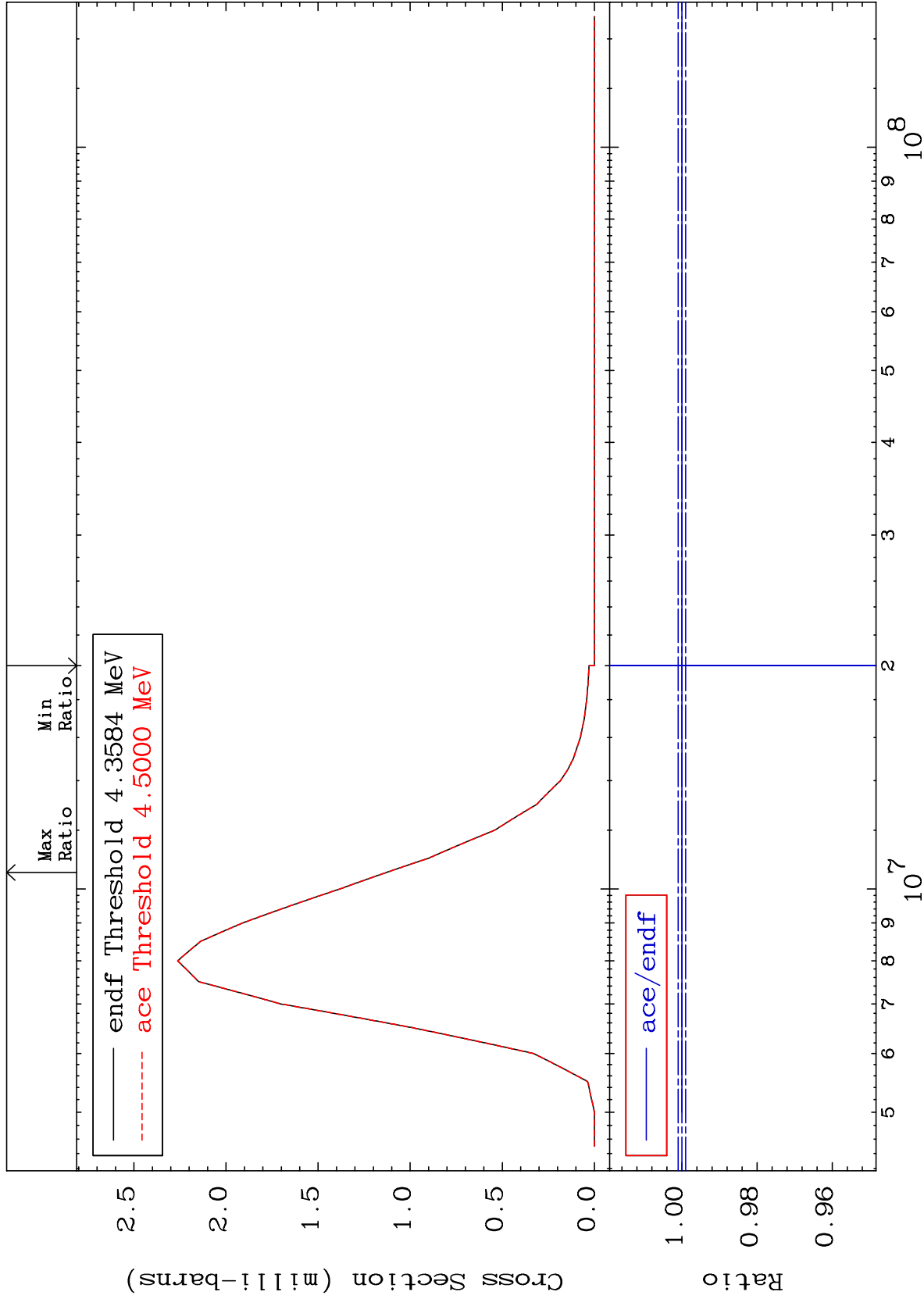
MAT 2031 1.489 MeV (n,p') Level 20-Ca-42
 Cross Section -100.0 To 0.000 %



MAT 2031

1.513 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

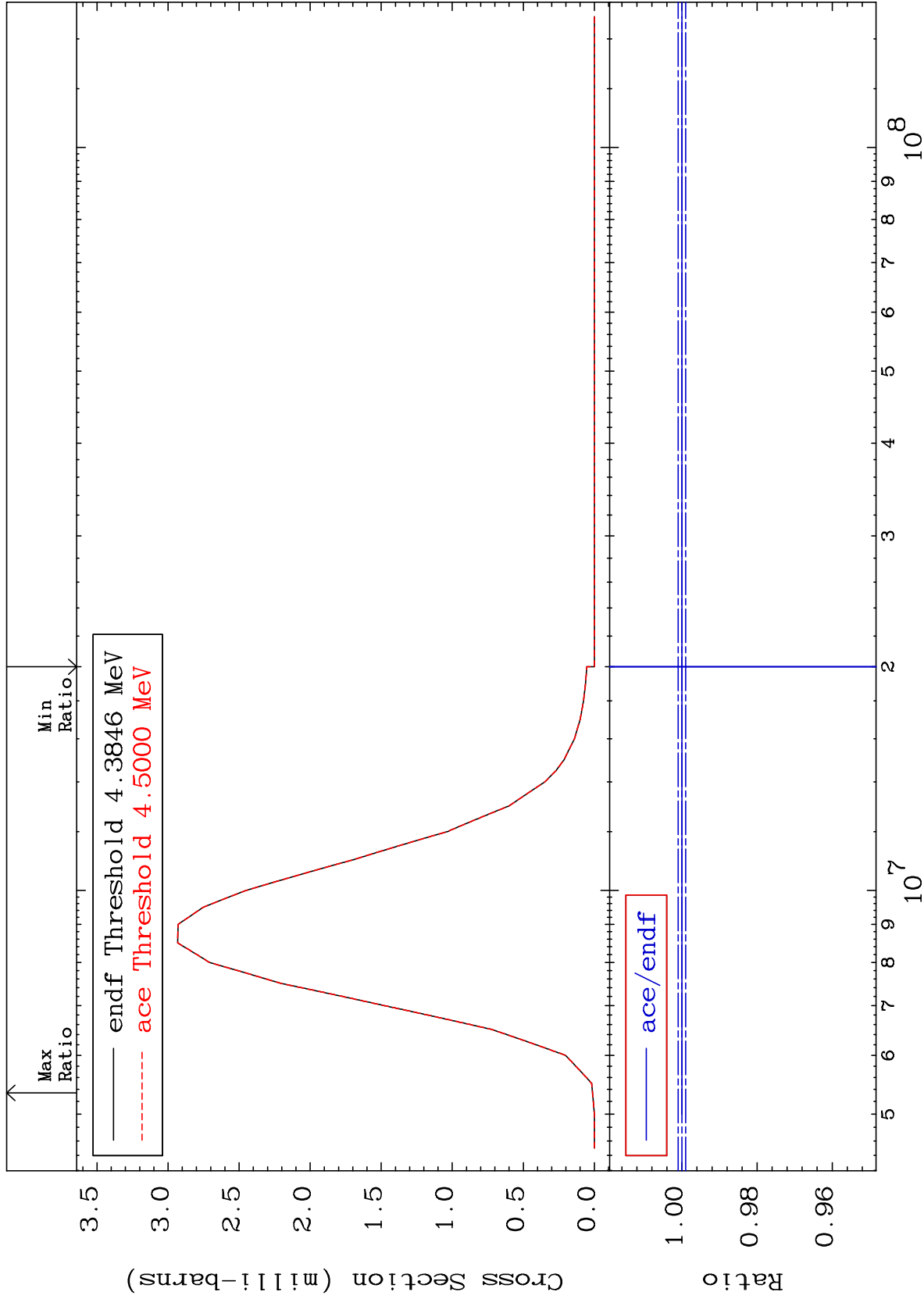


70

MAT 2031

1.539 MeV (n,p') Level
Cross Section

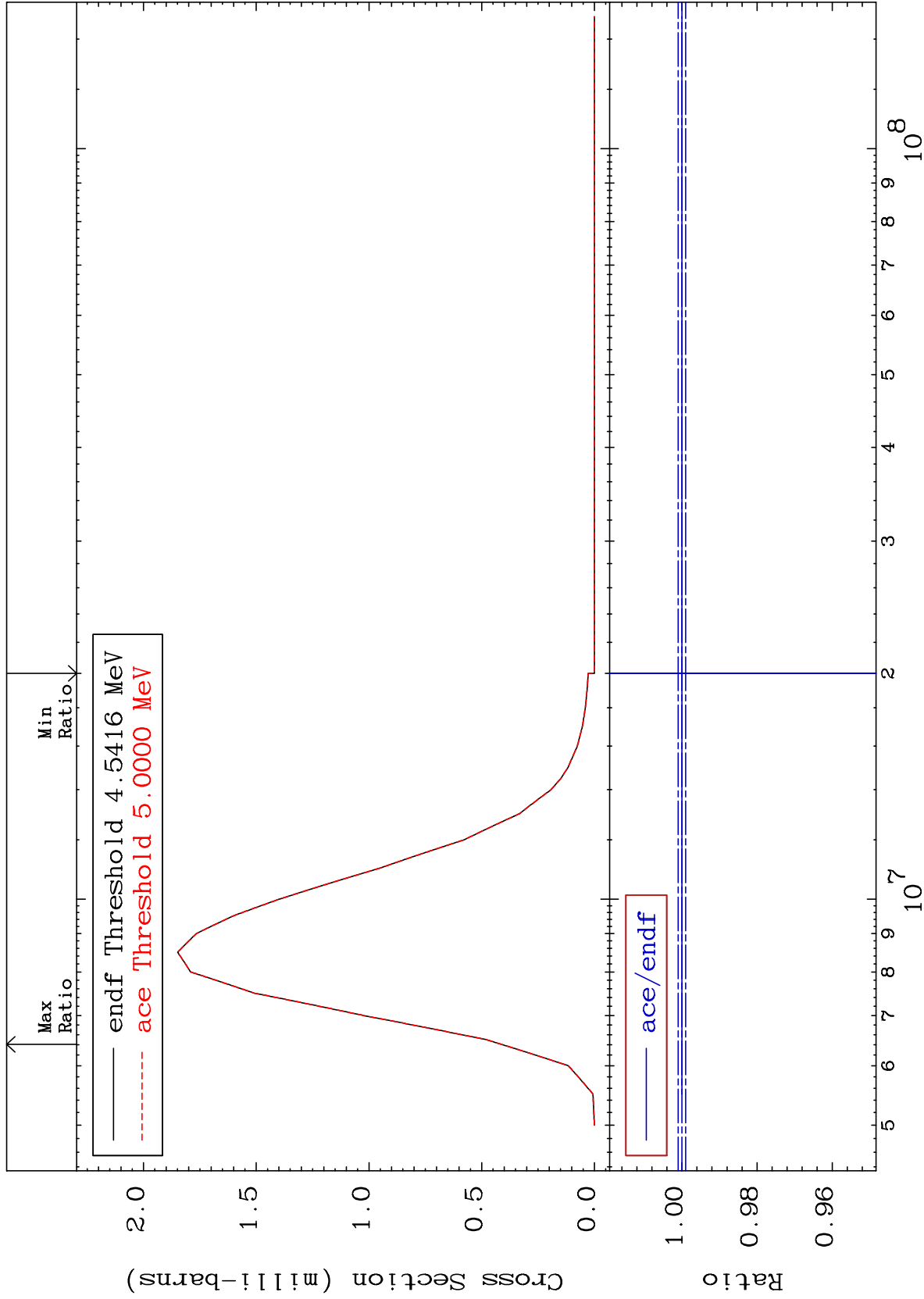
20-Ca-42
-100.0 To 0.000 %



MAT 2031

1.692 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

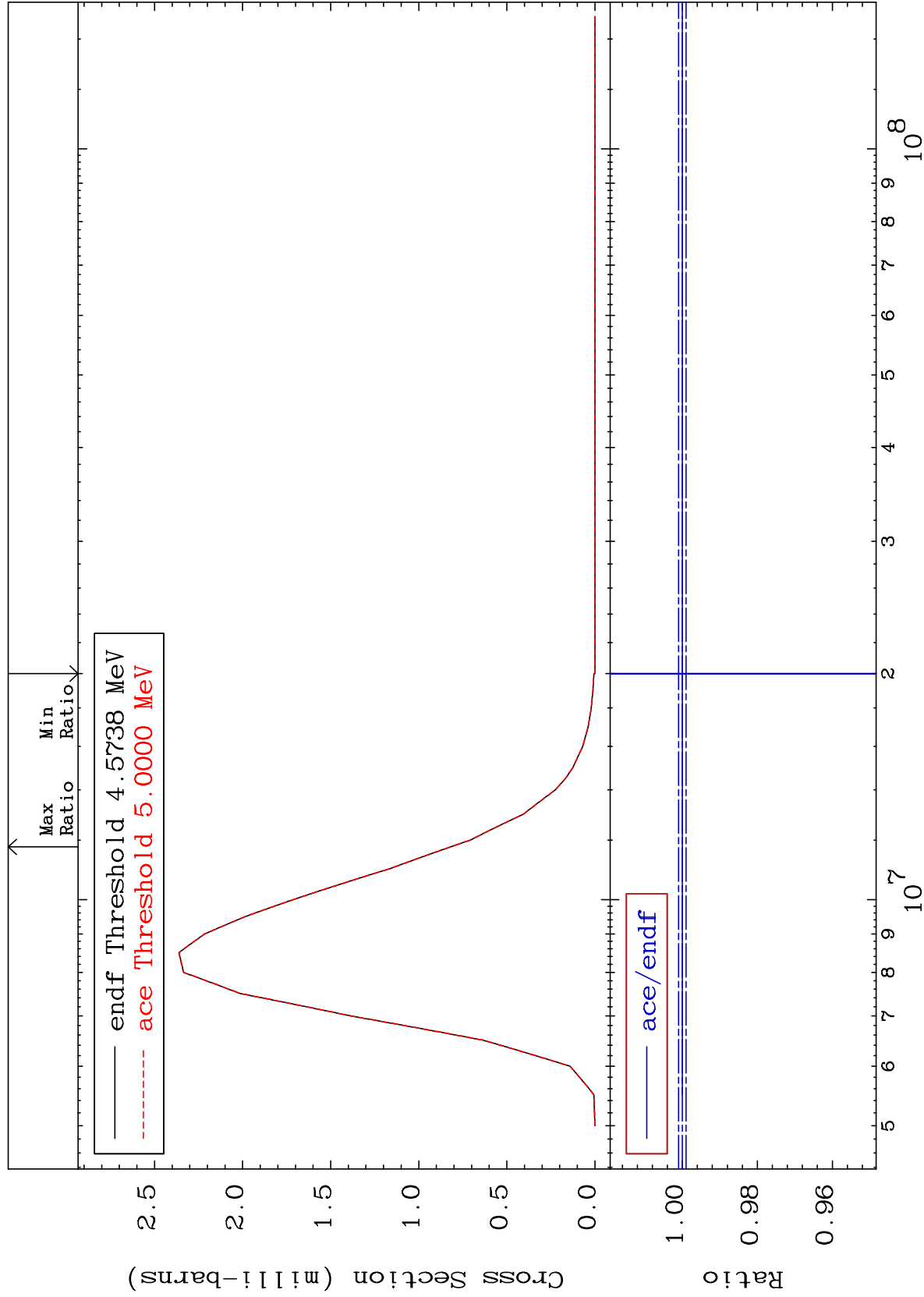


72

MAT 2031

1.723 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

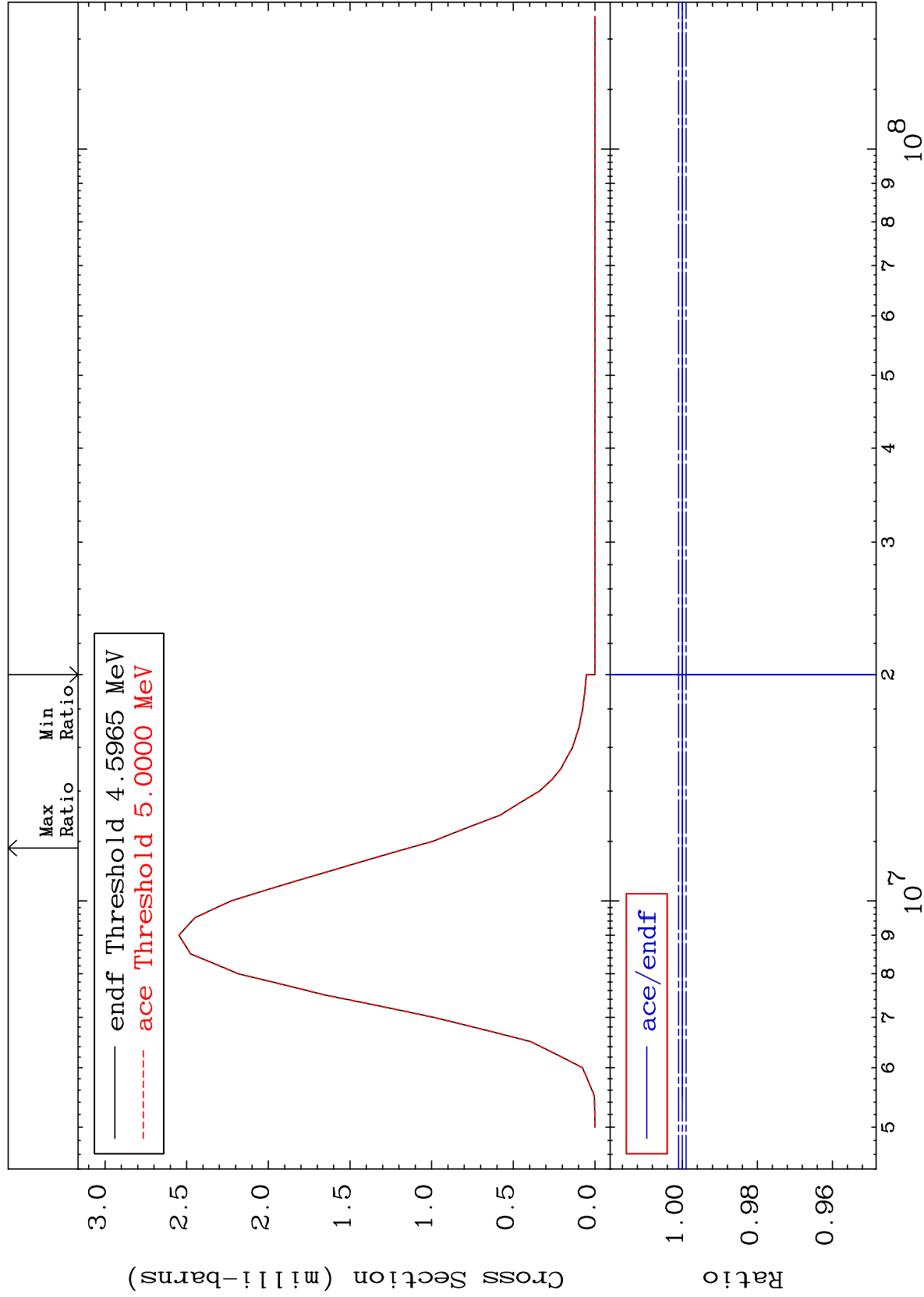


73

MAT 2031

1.746 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

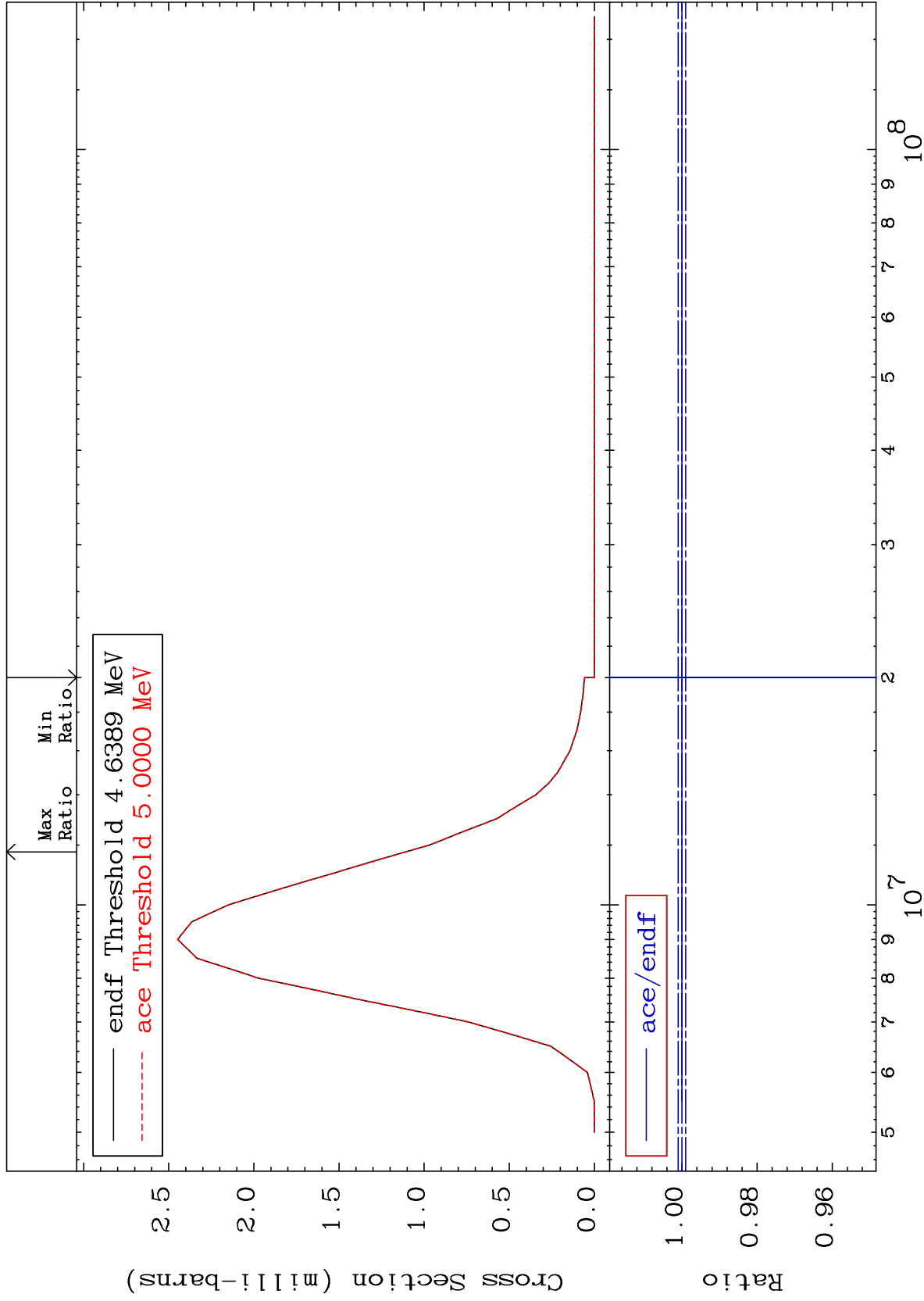


74

MAT 2031

1.787 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

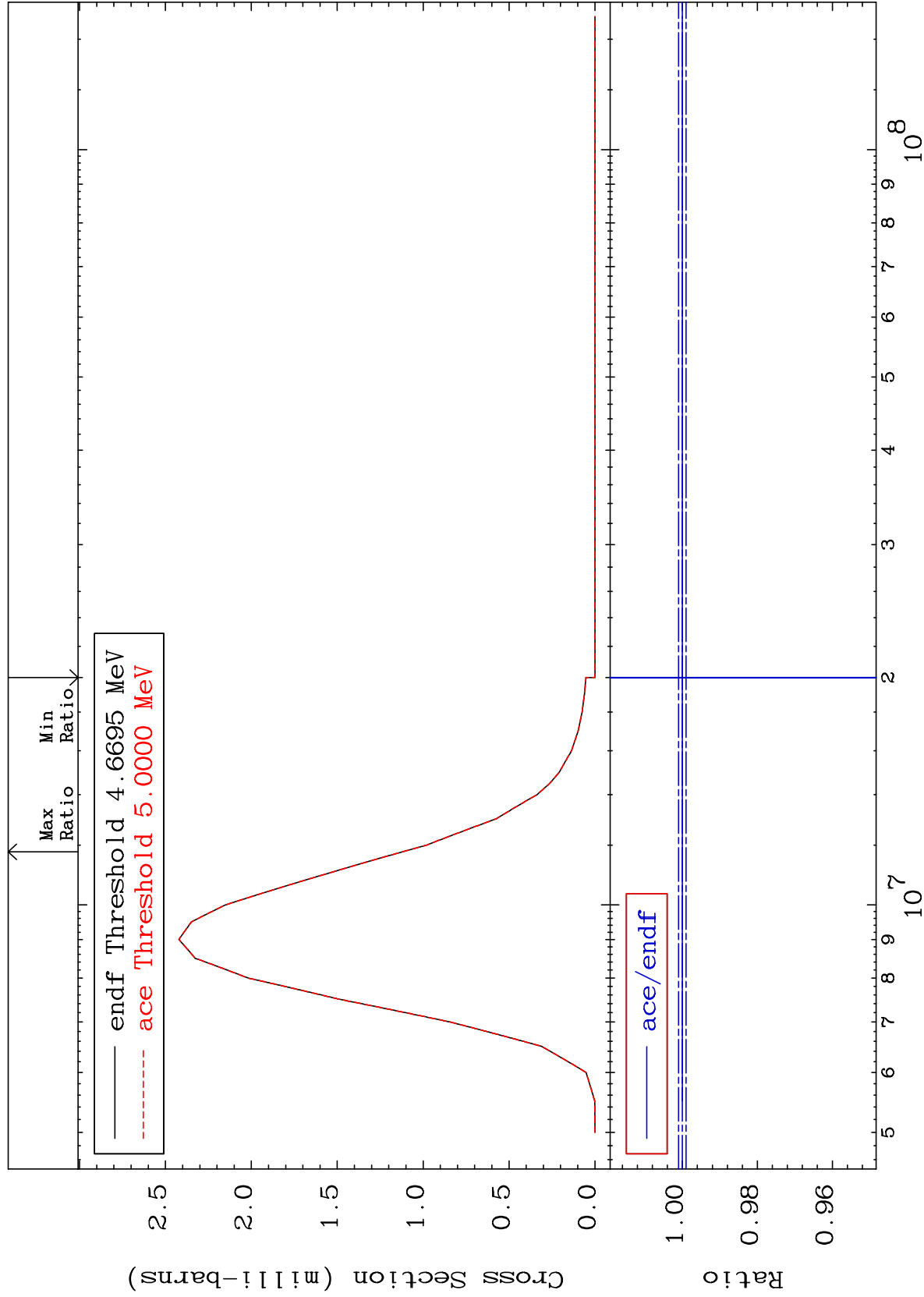


75

MAT 2031

1.817 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

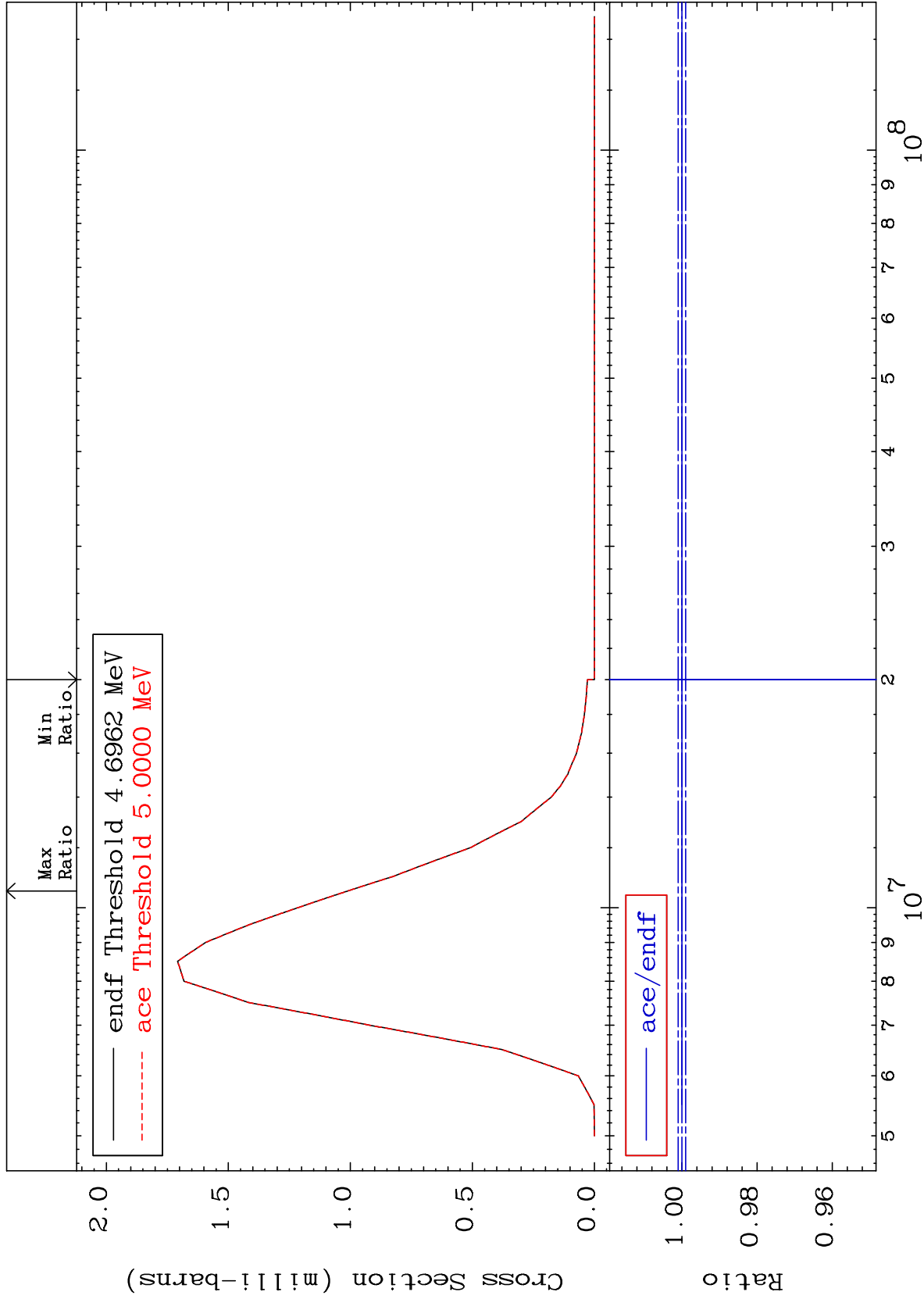


76

MAT 2031

1.843 MeV (n,p') Level
Cross Section

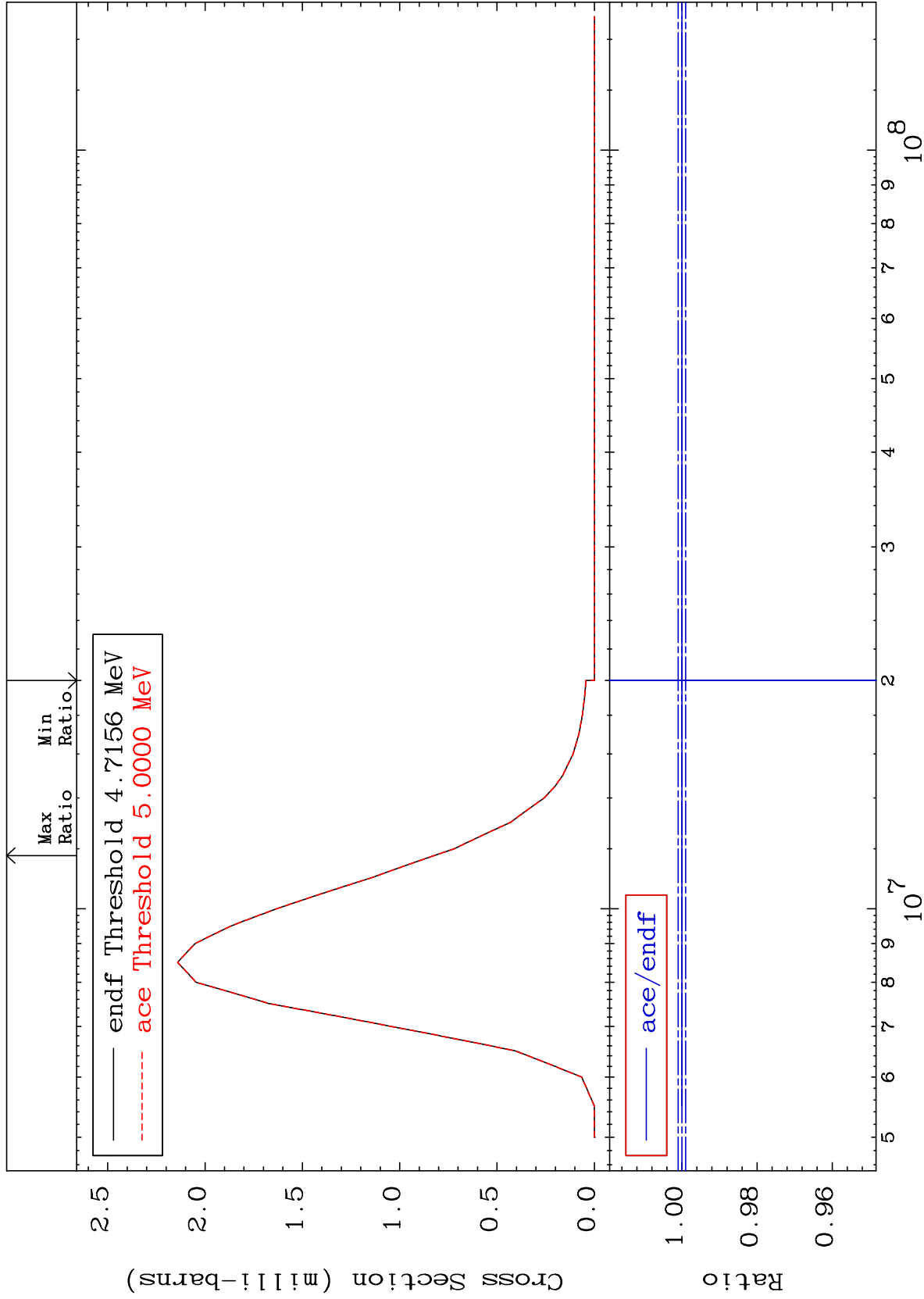
20-Ca-42
-100.0 To 0.000 %



MAT 2031

1.862 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



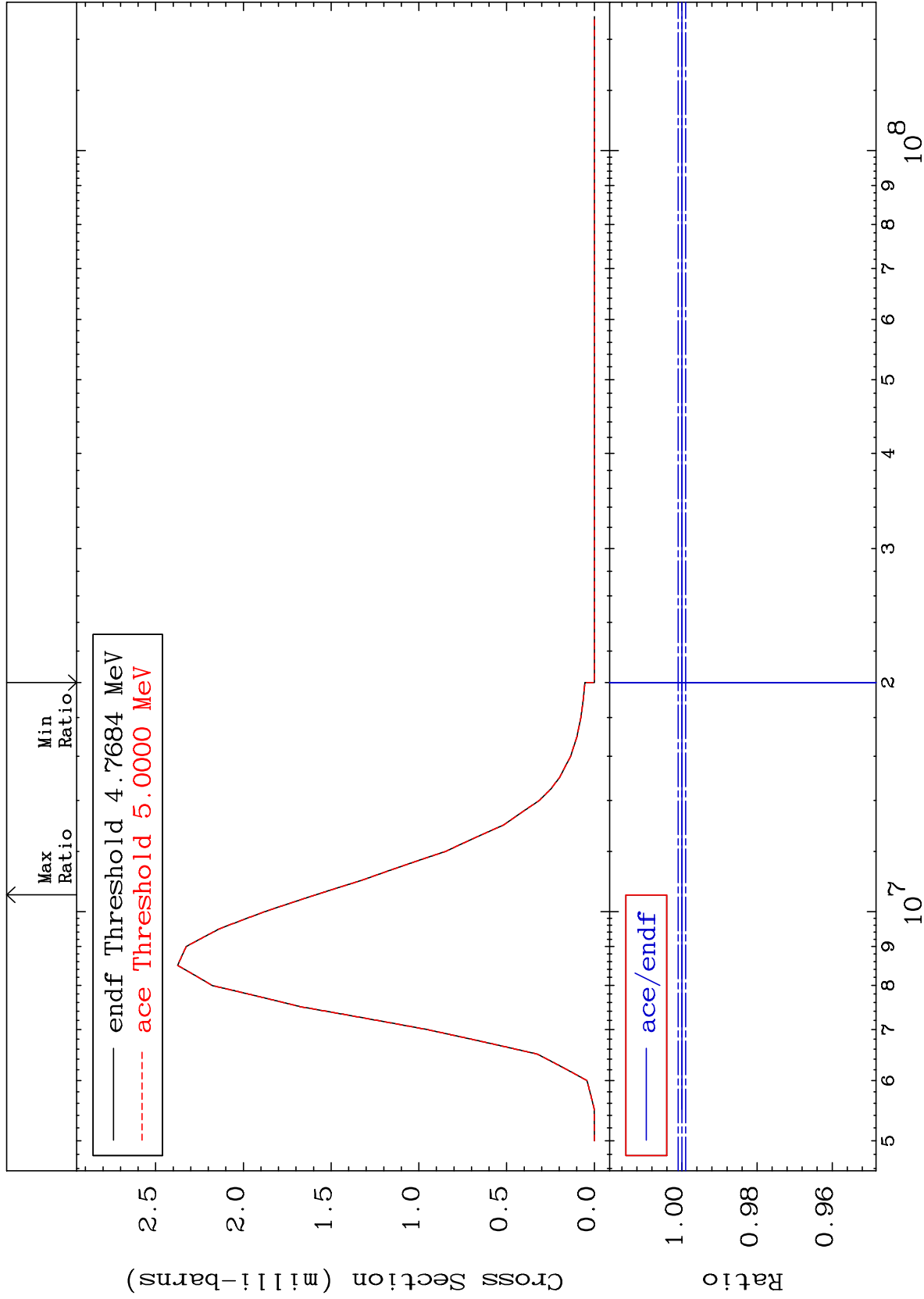
78

20-Ca-42

MAT 2031

1.914 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

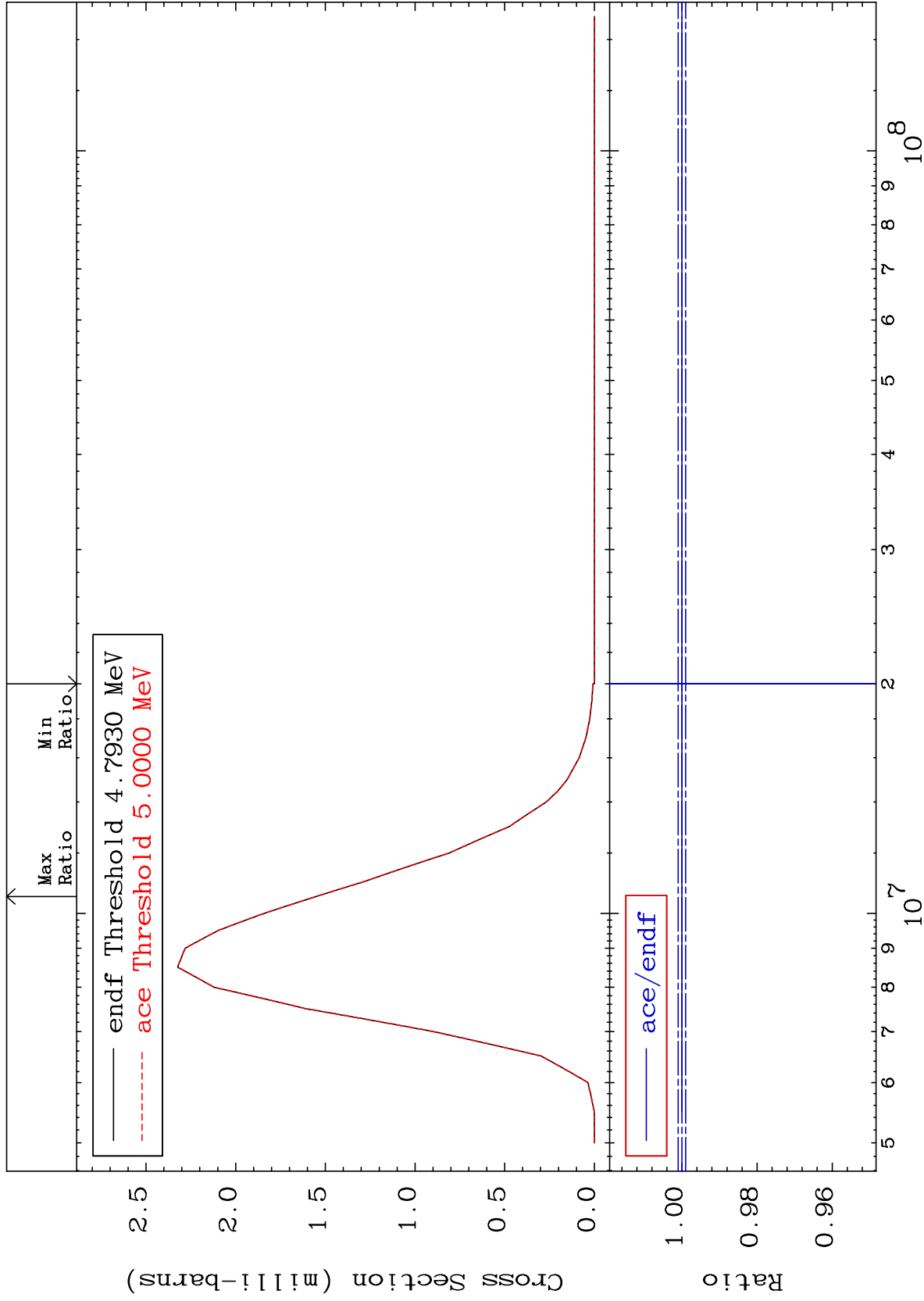


79

MAT 2031

1.938 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

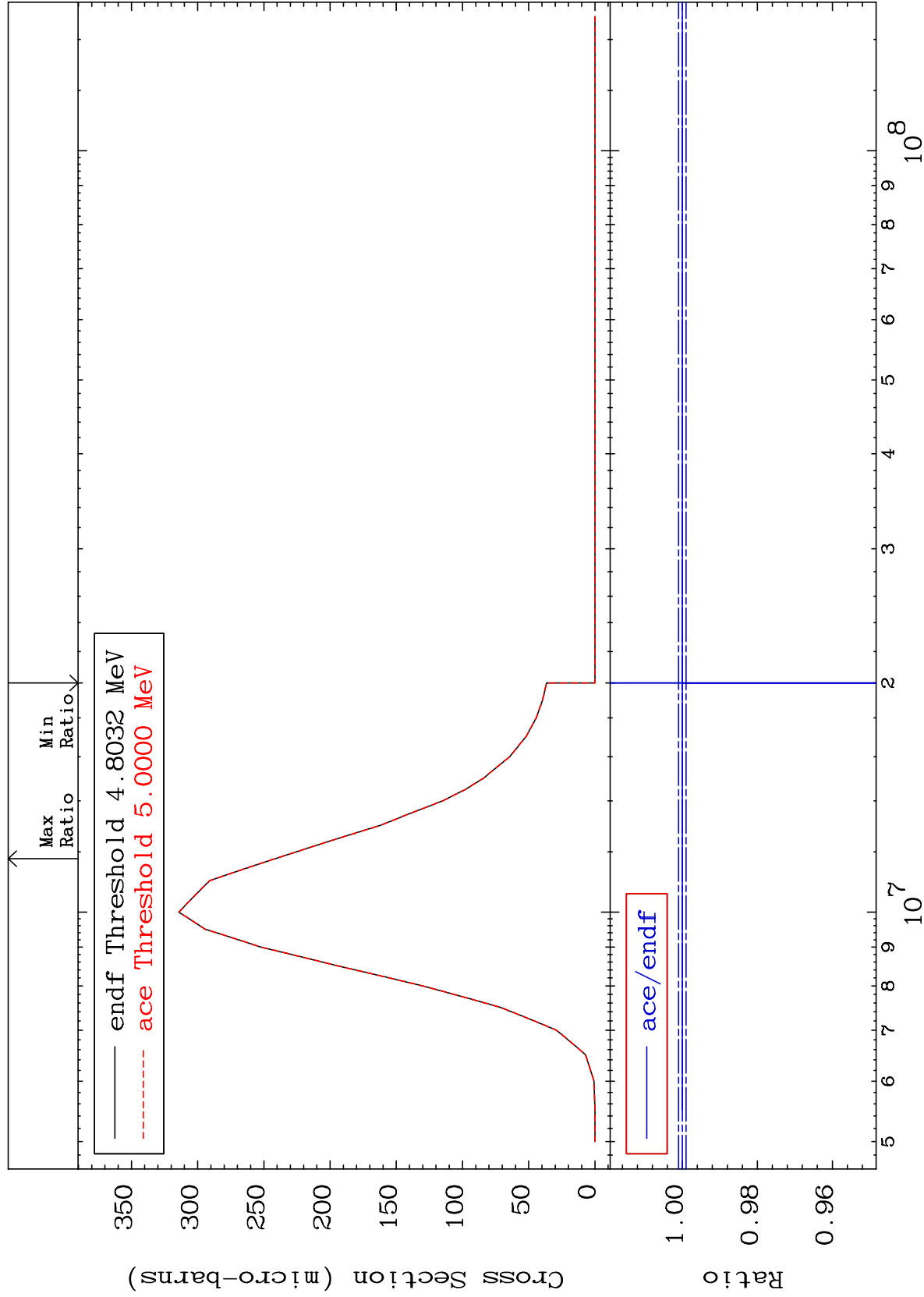


80

MAT 2031

1.947 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

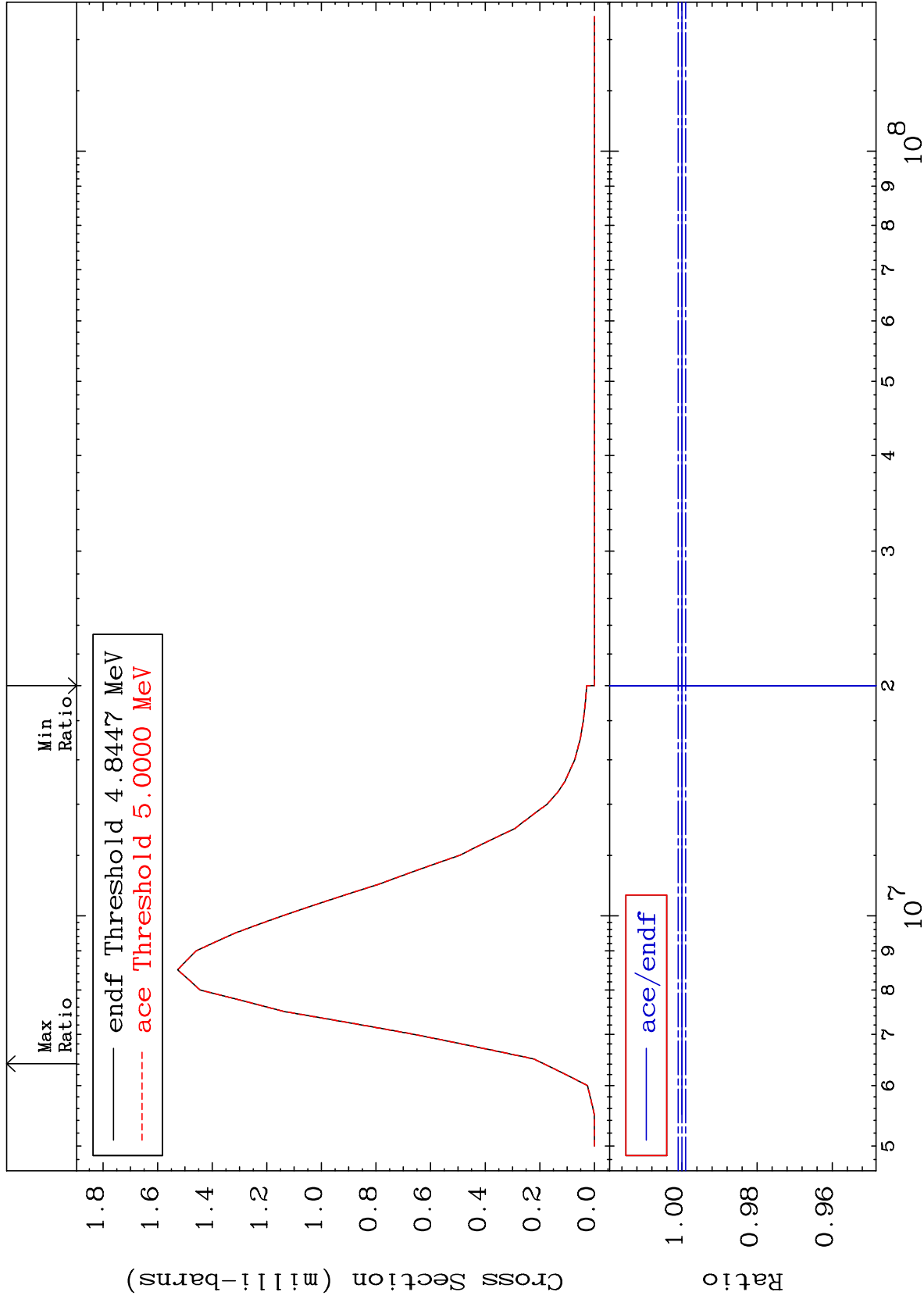


81

MAT 2031

1.988 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

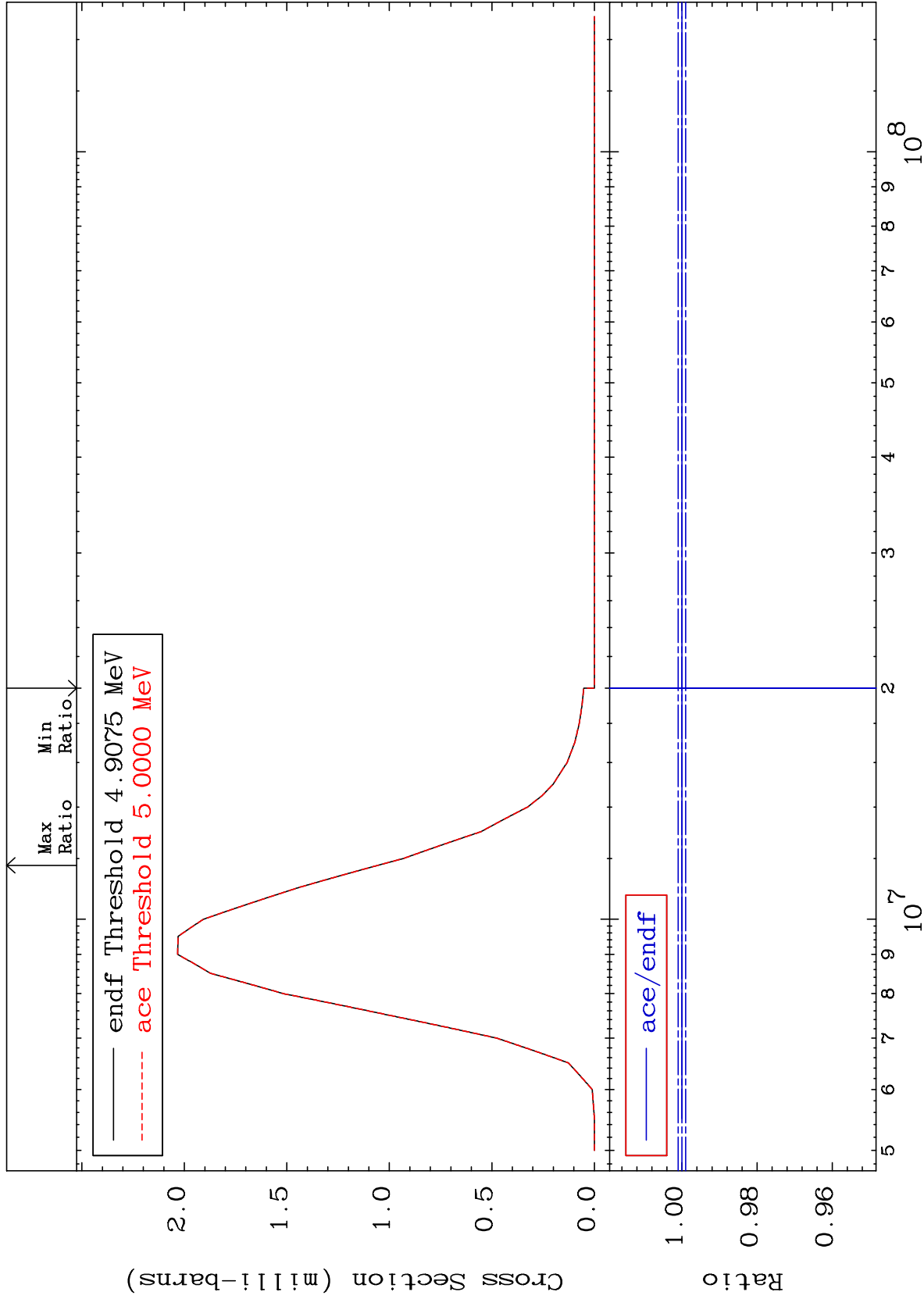


82

MAT 2031

2.049 MeV (n,p') Level
Cross Section

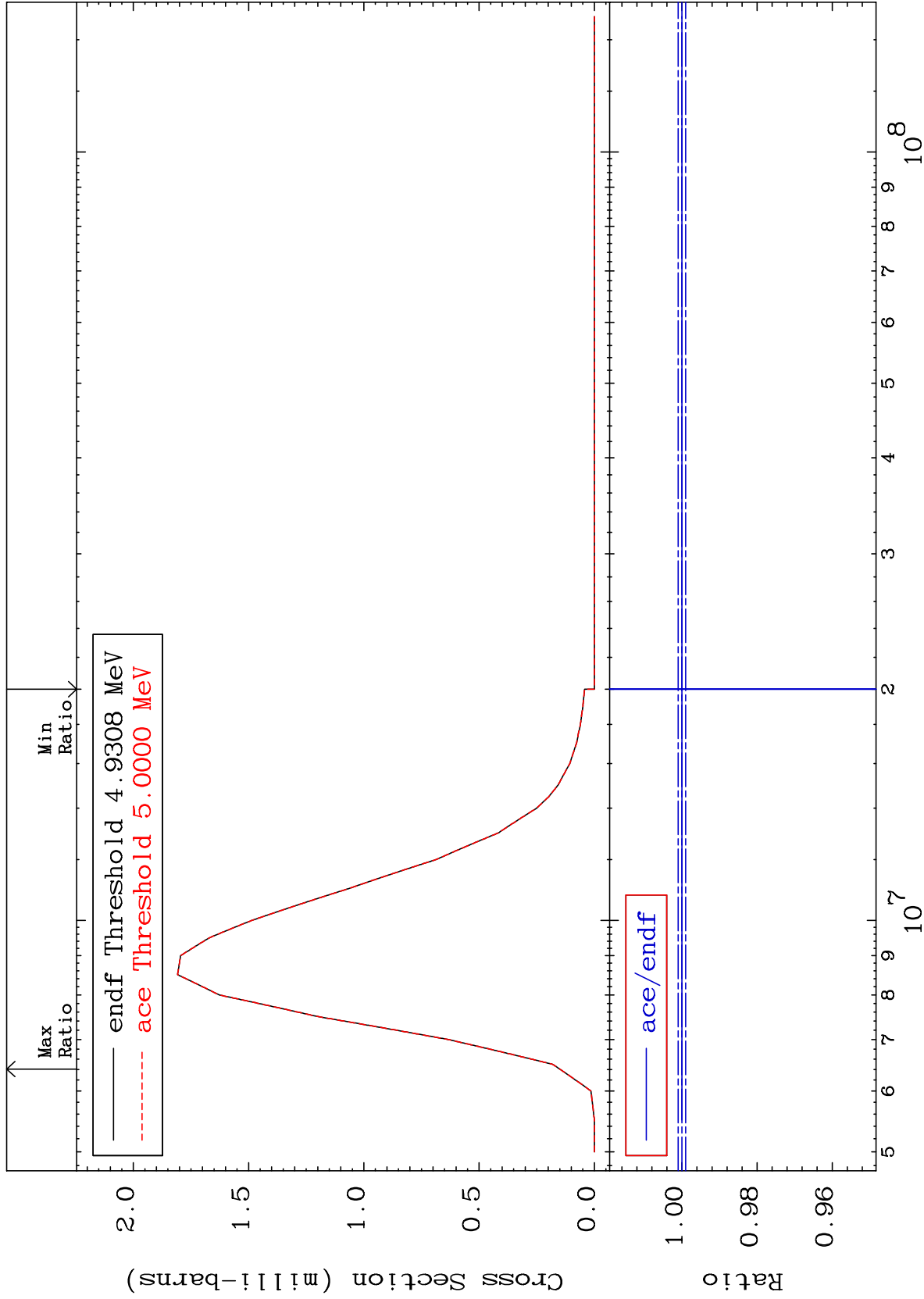
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.072 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

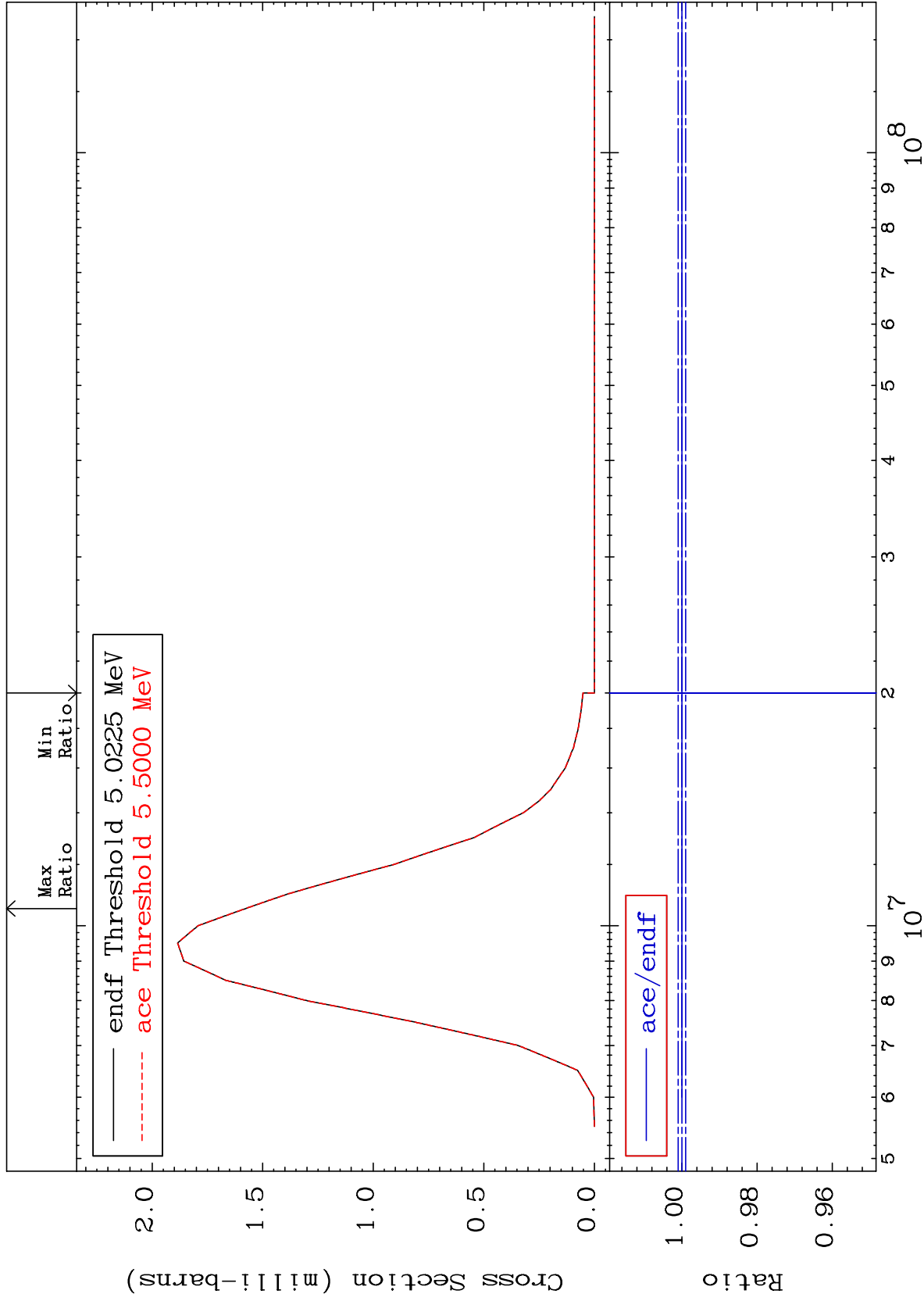


84

MAT 2031

2.162 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

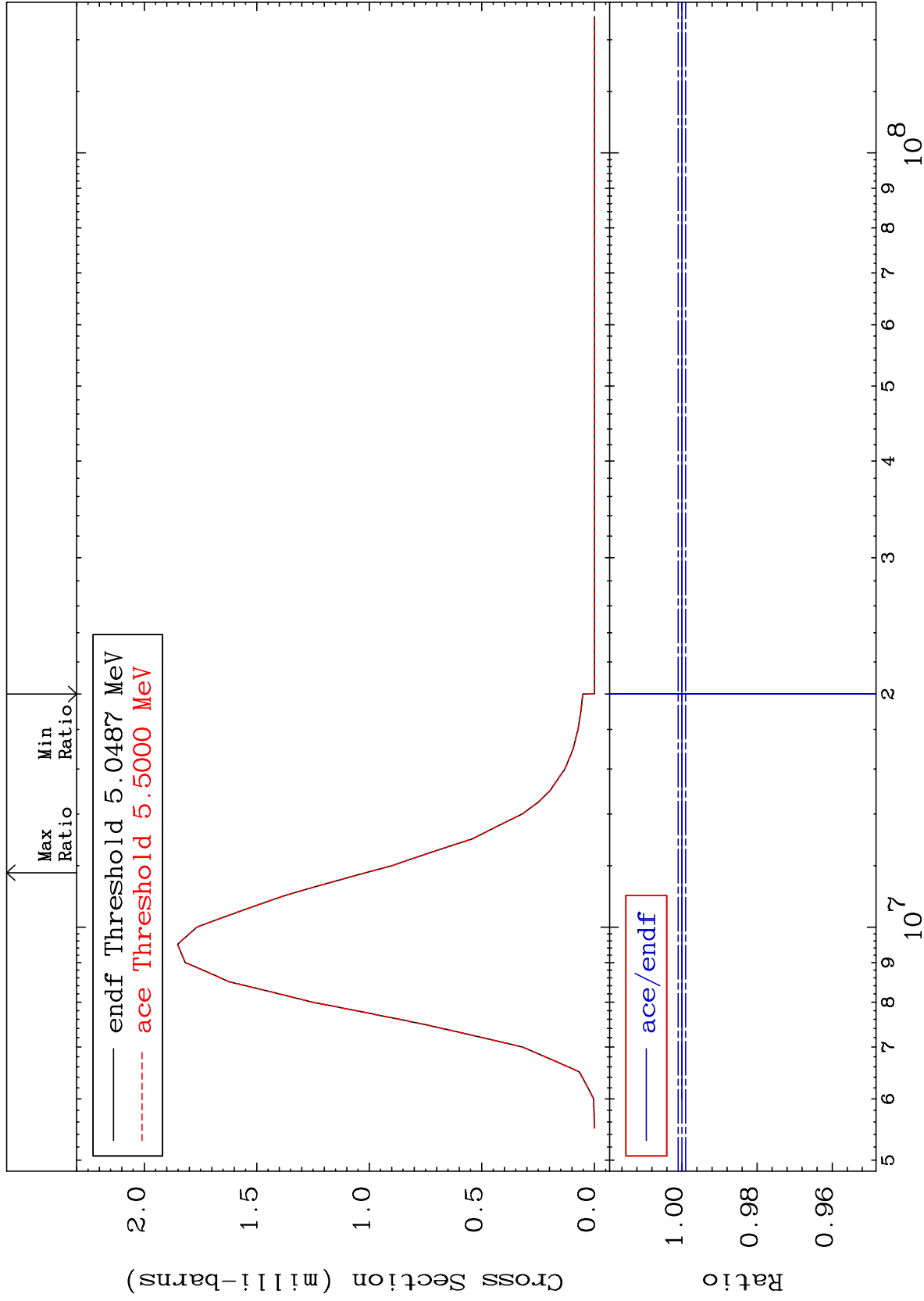


85

MAT 2031

2.187 MeV (n,p') Level
Cross Section

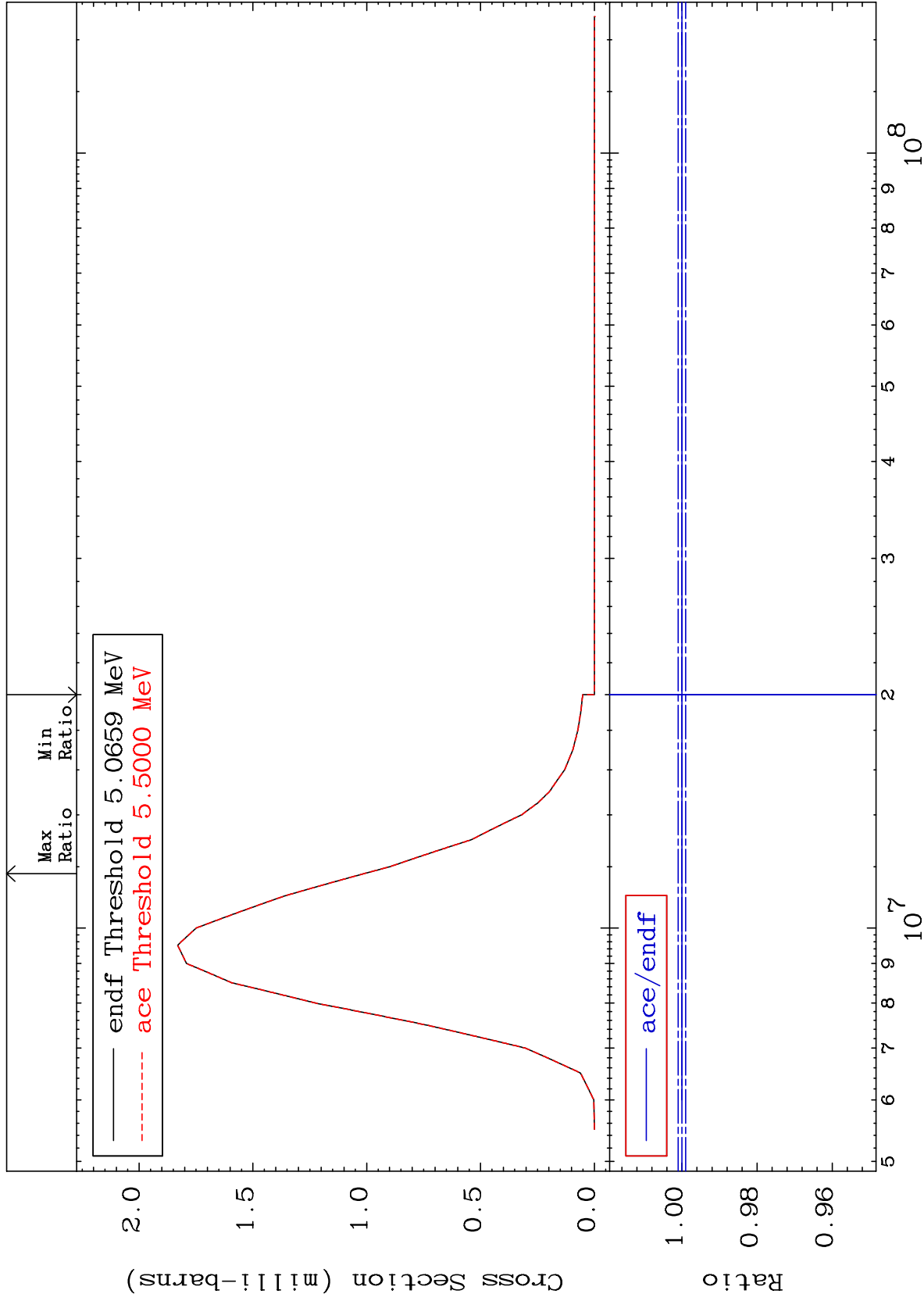
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.204 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

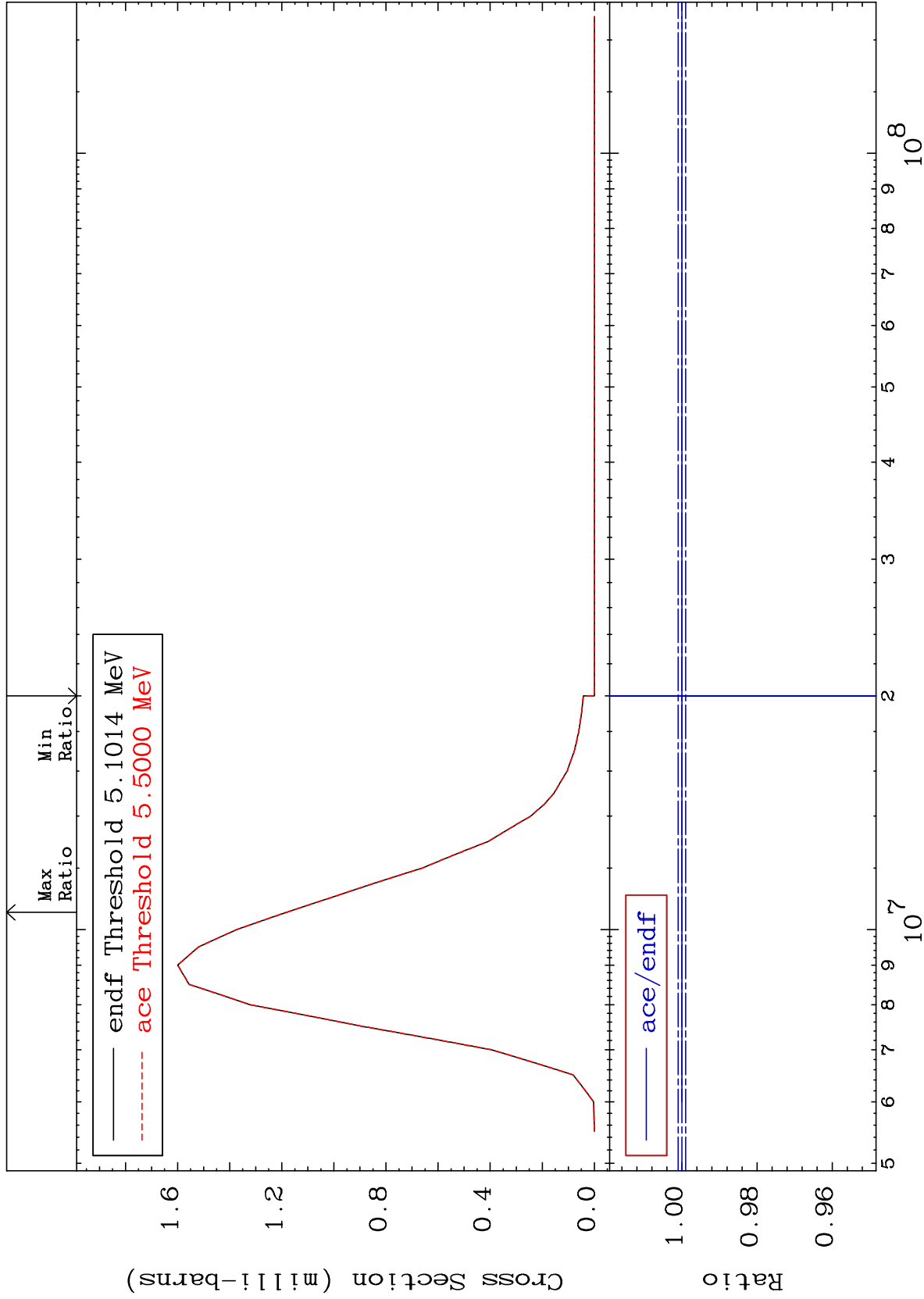


87

MAT 2031

2.239 MeV (n,p') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

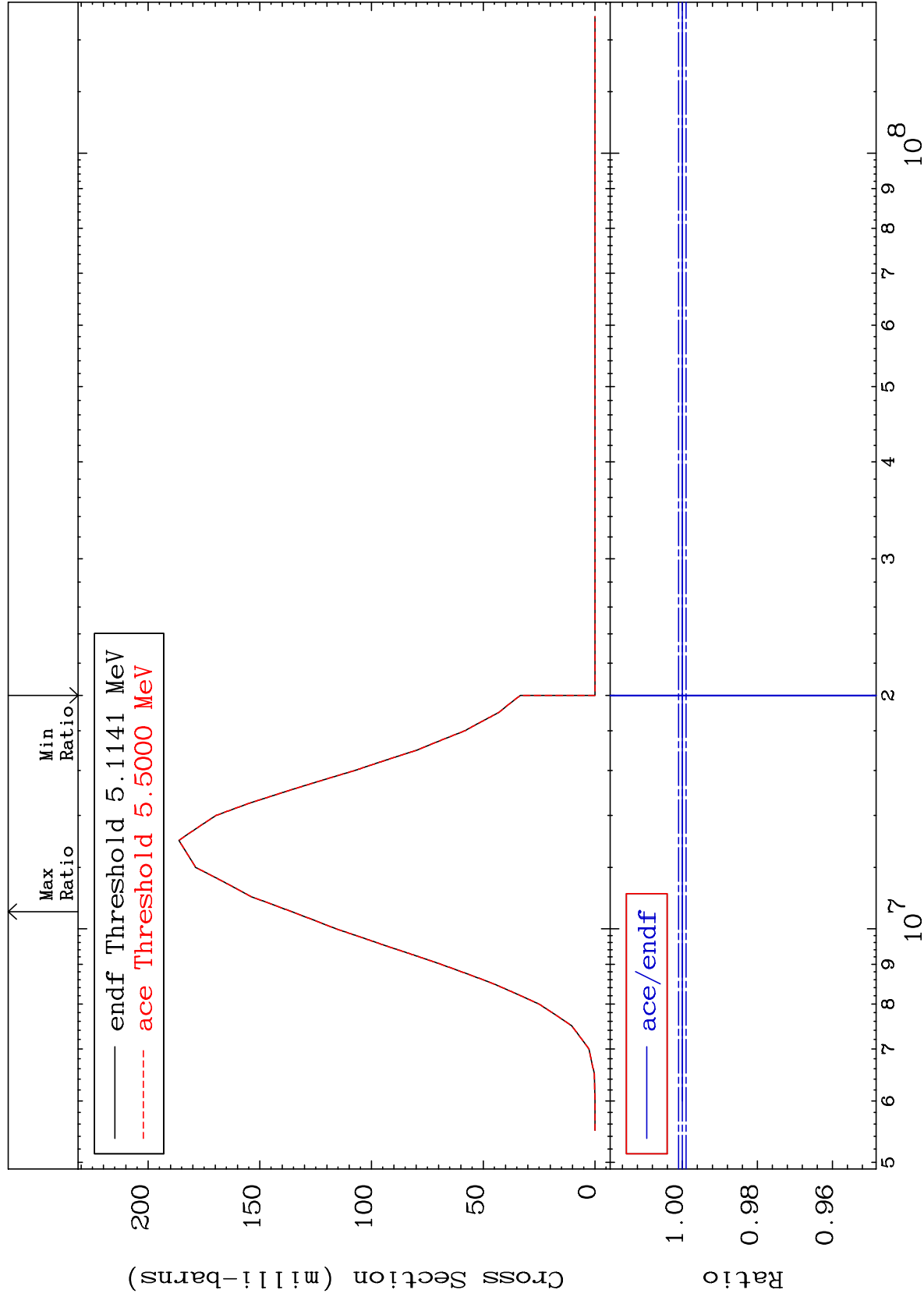


88

MAT 2031

2.251 MeV (n,p') Level
Cross Section

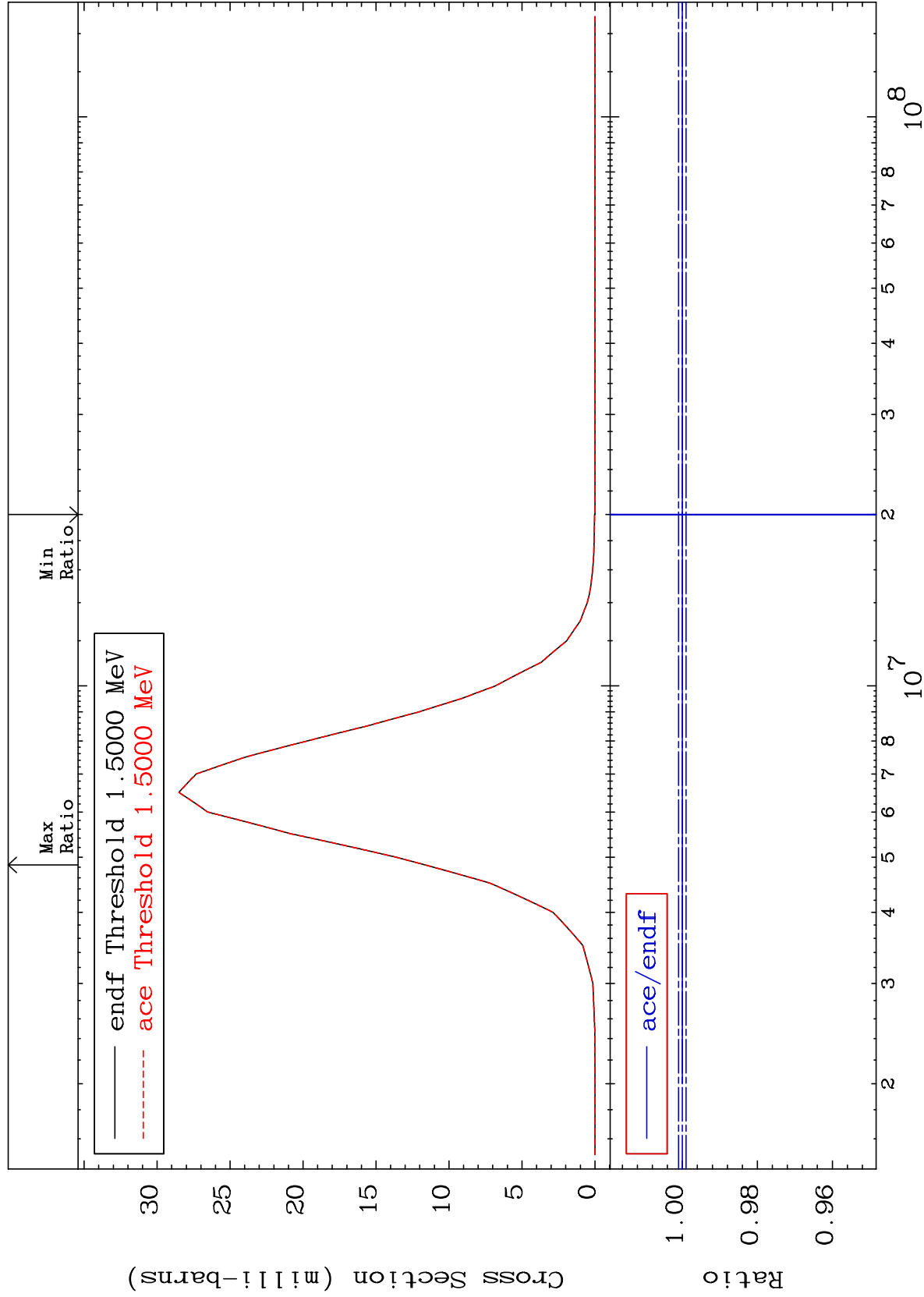
20-Ca-42
-100.0 To 0.000 %



MAT 2031

(n, α') Ground
Cross Section

20-Ca-42
-100.0 To 0.000 %

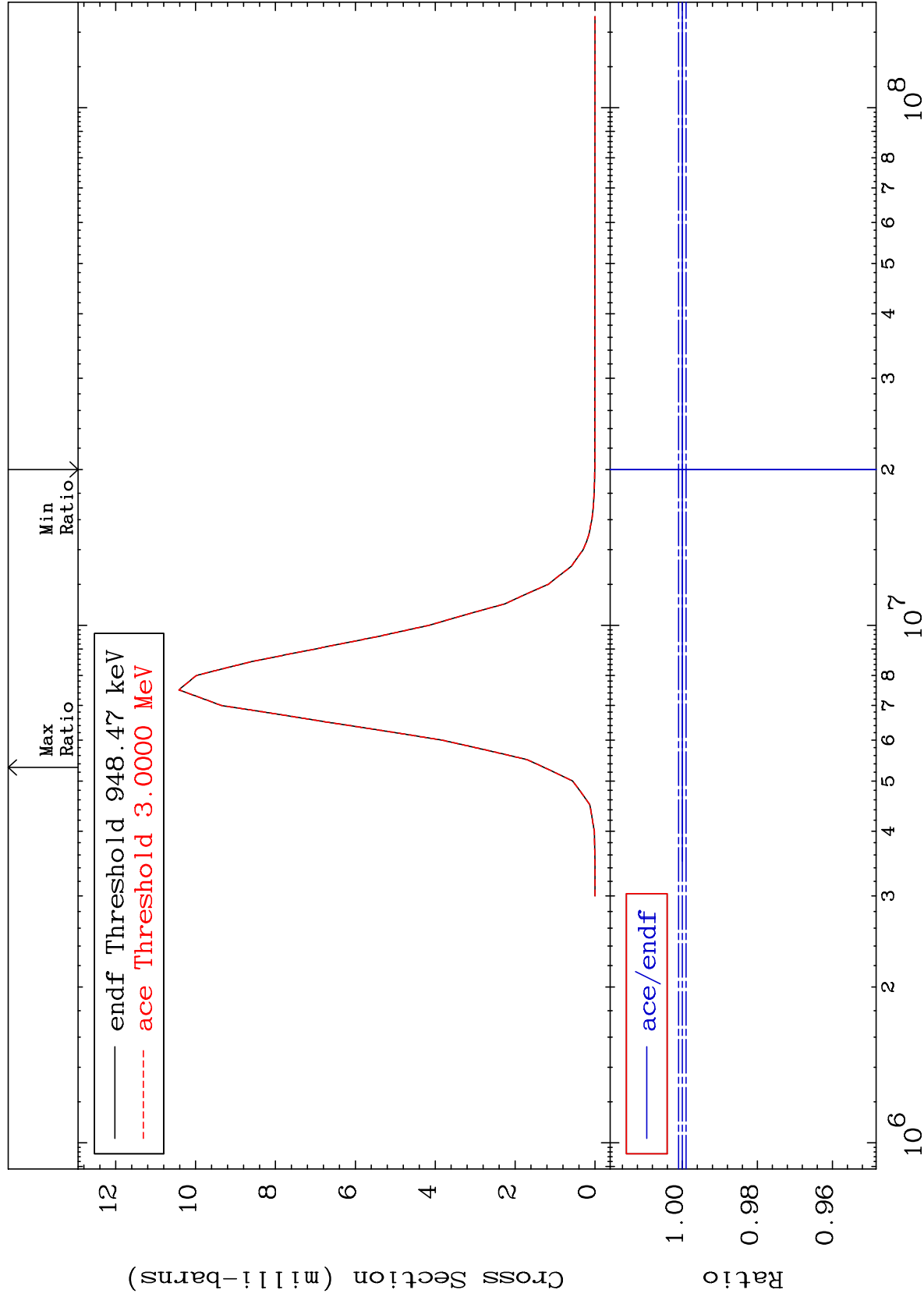


90

MAT 2031

1.267 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



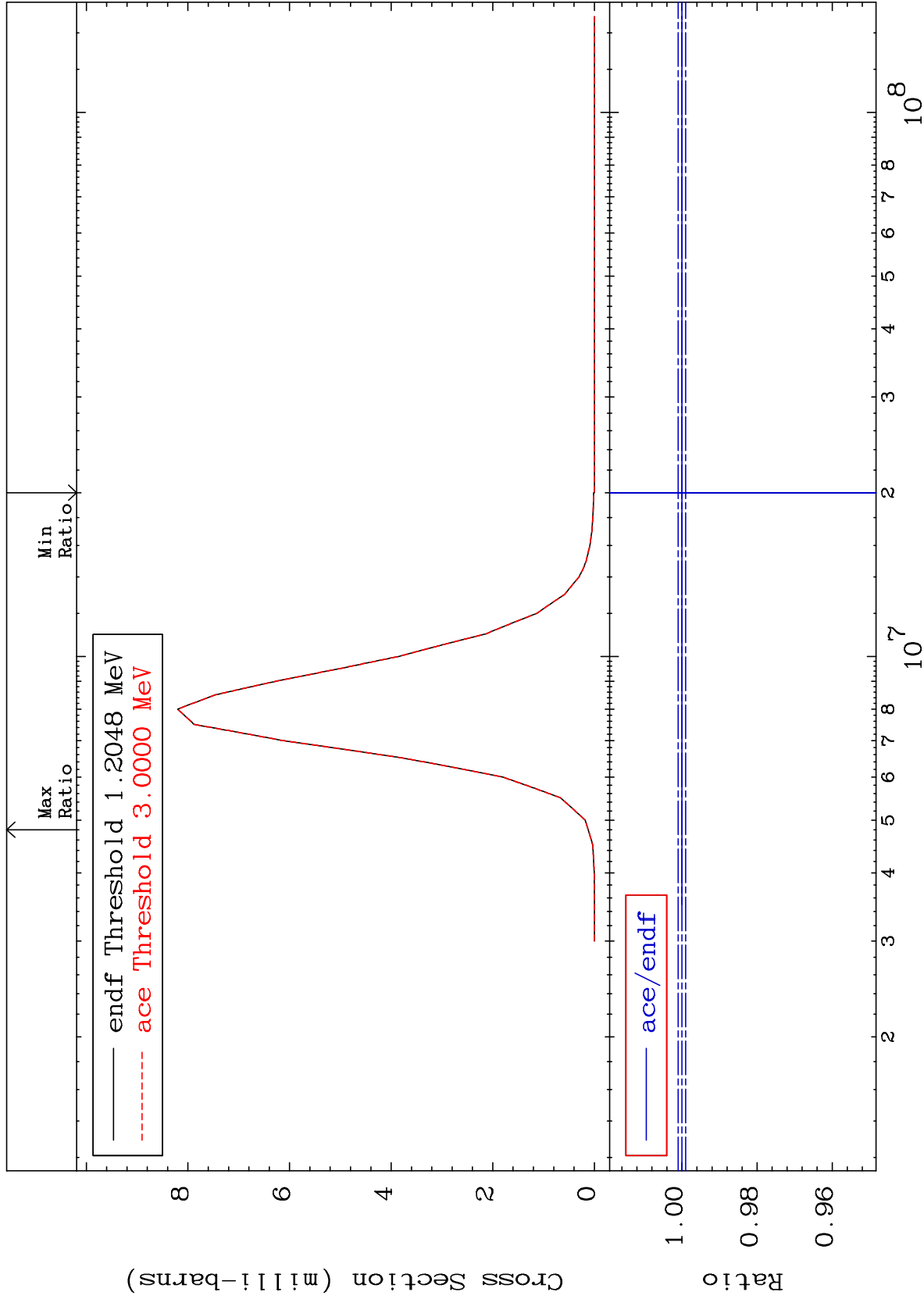
91

20-Ca-42

MAT 2031

1.517 MeV (n, α') Level
Cross Section

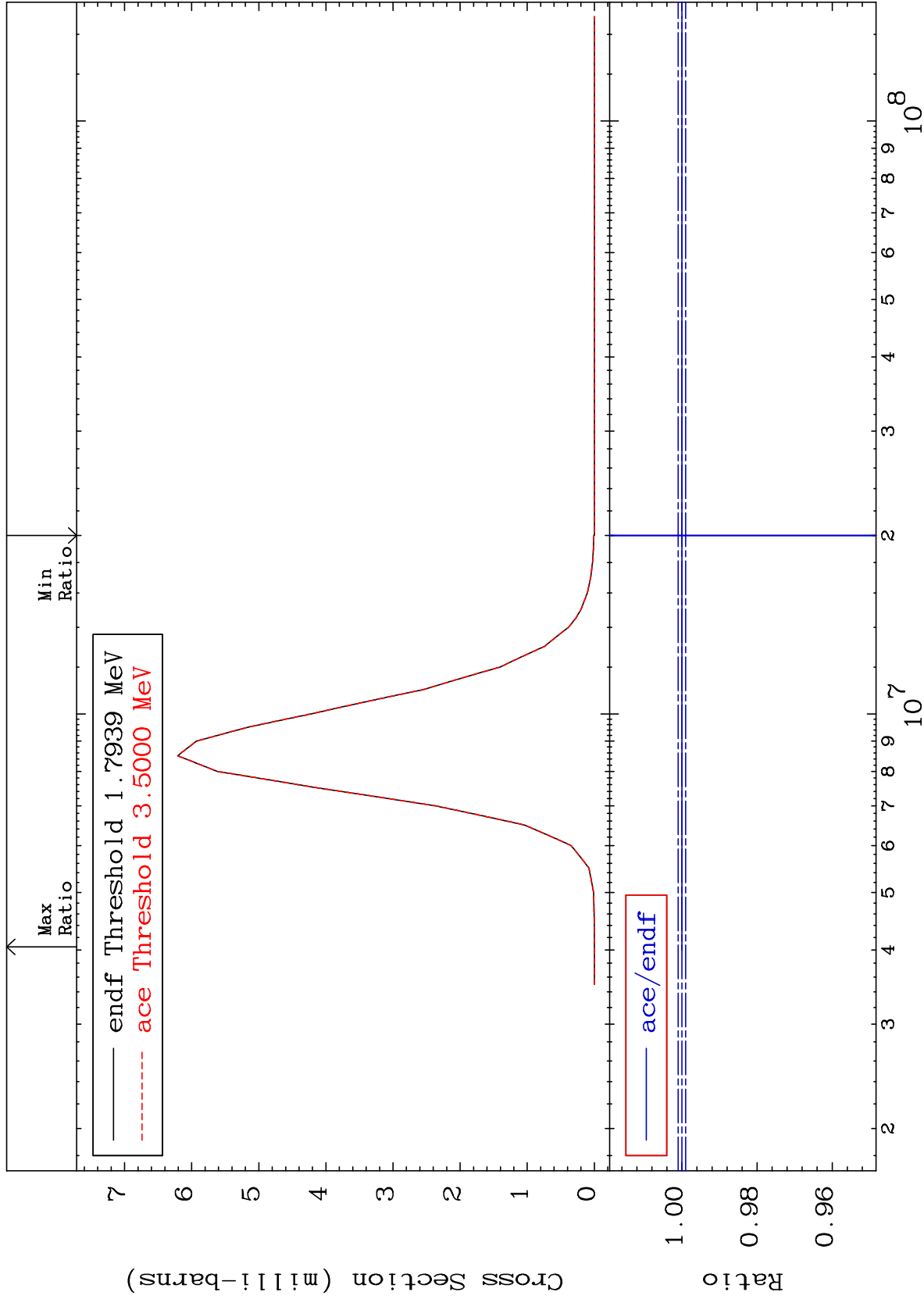
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.093 MeV (n, α') Level
Cross Section

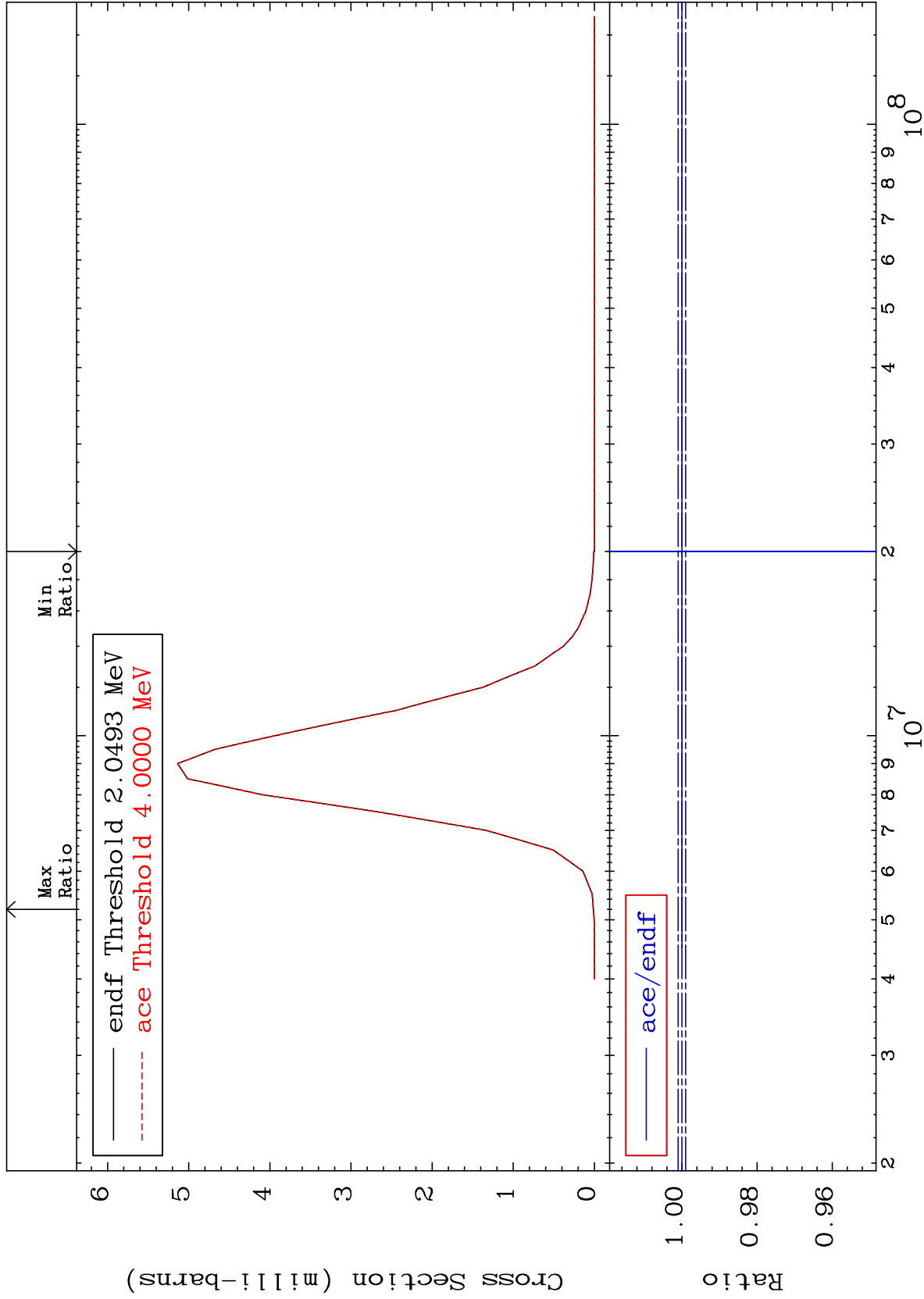
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.342 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

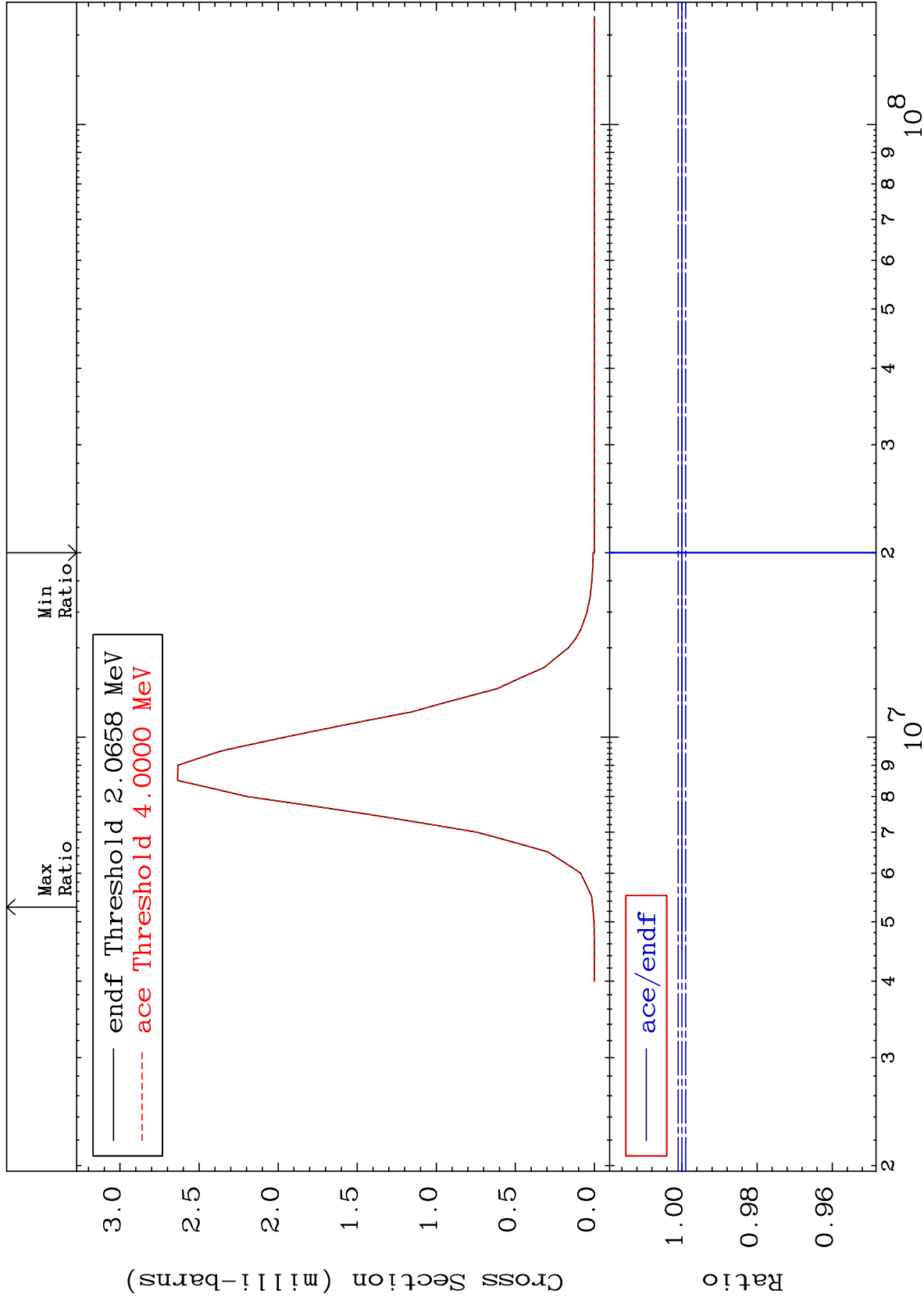


94

MAT 2031

2.358 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



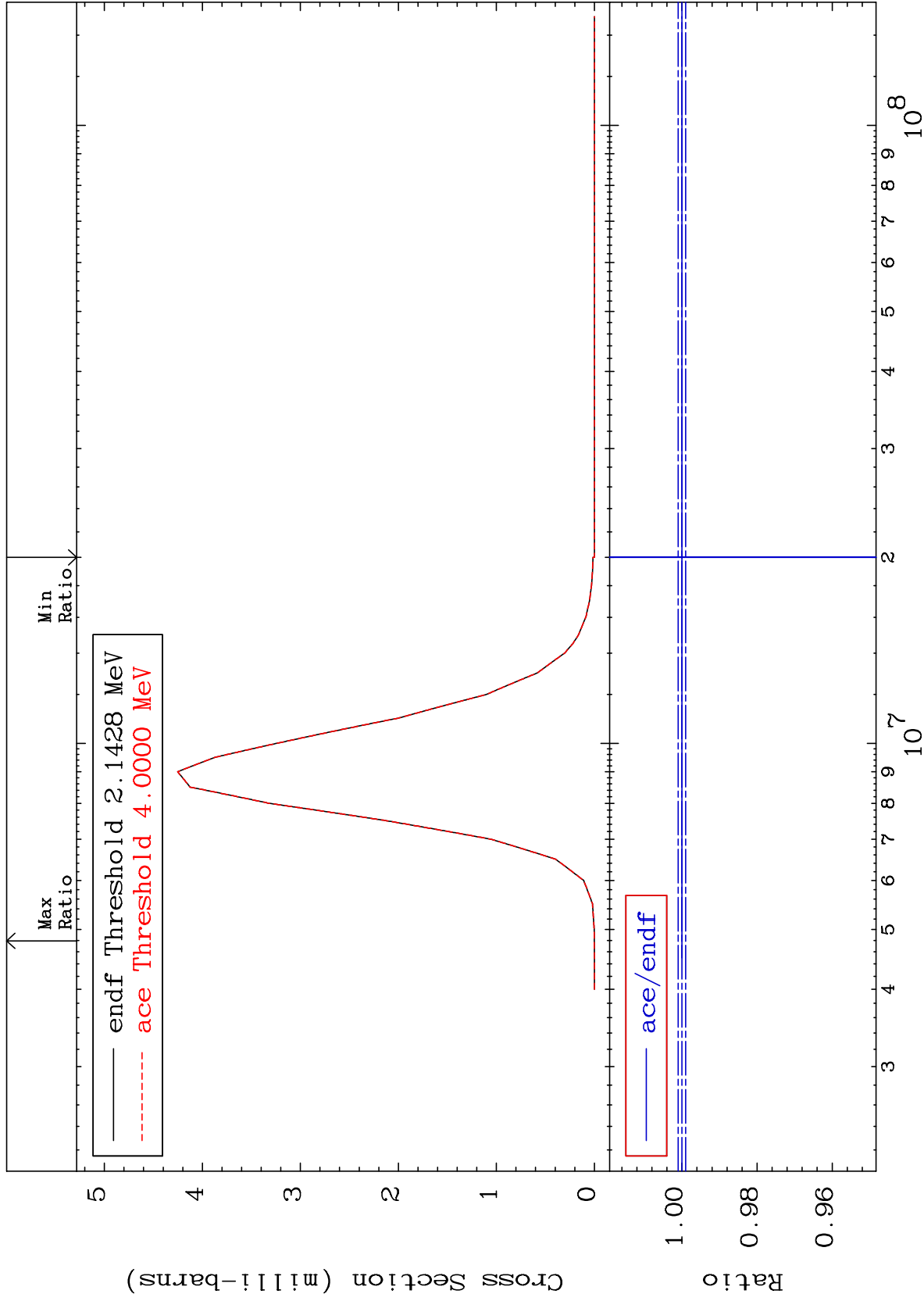
95

20-Ca-42

MAT 2031

2.434 MeV (n, α') Level
Cross Section

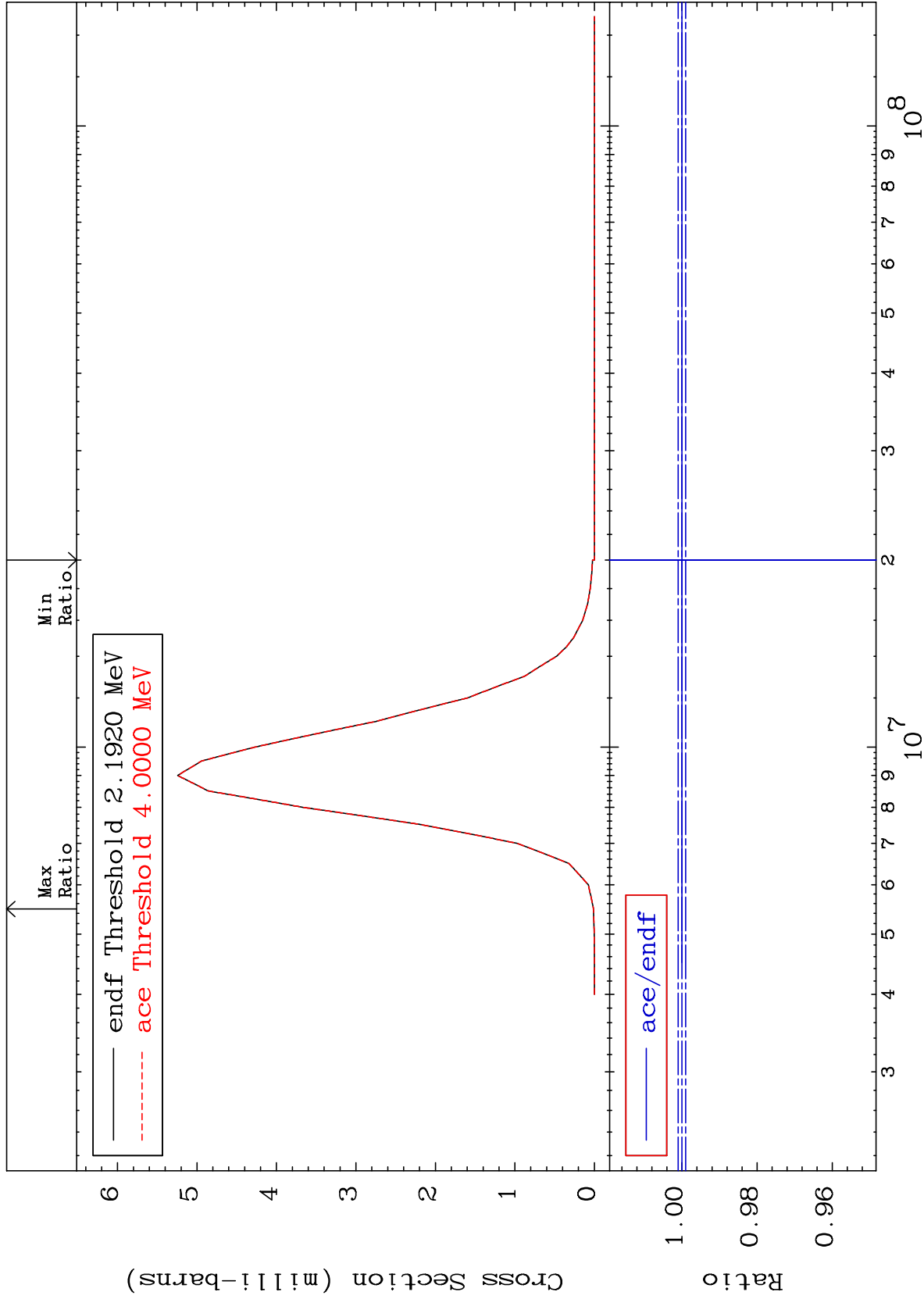
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.482 MeV (n, α') Level
Cross Section

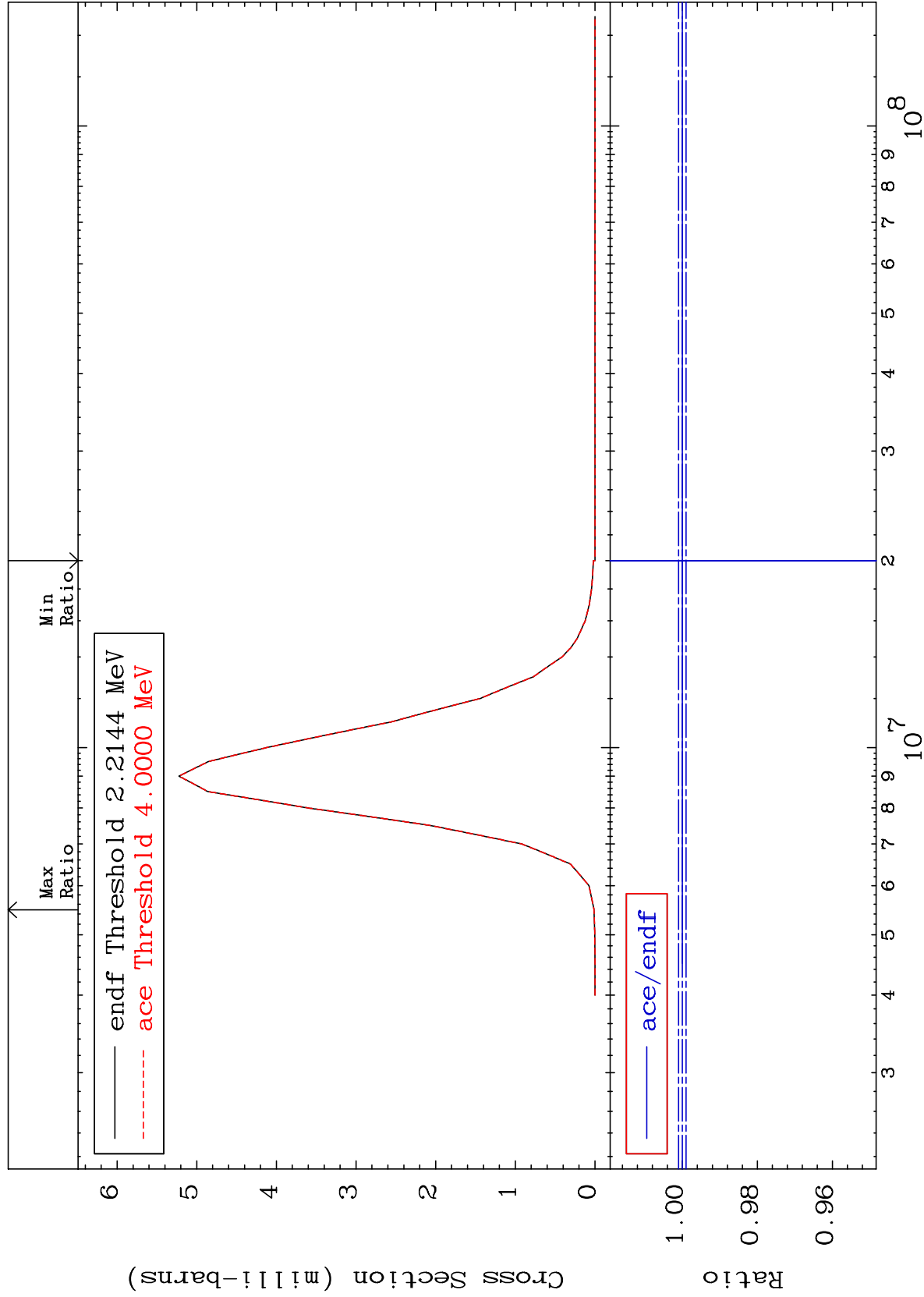
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.503 MeV (n, α') Level
Cross Section

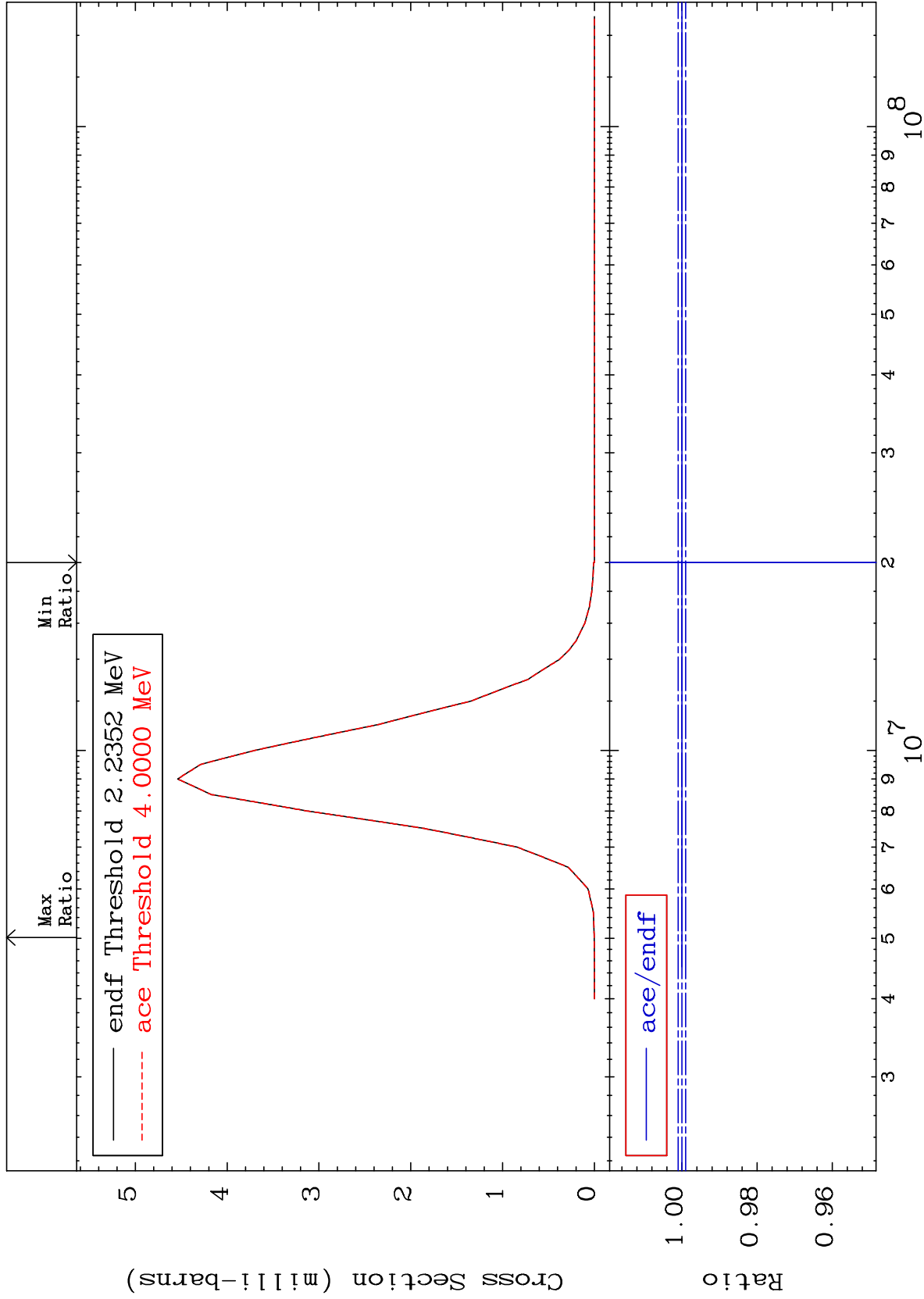
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.524 MeV (n, α') Level
Cross Section

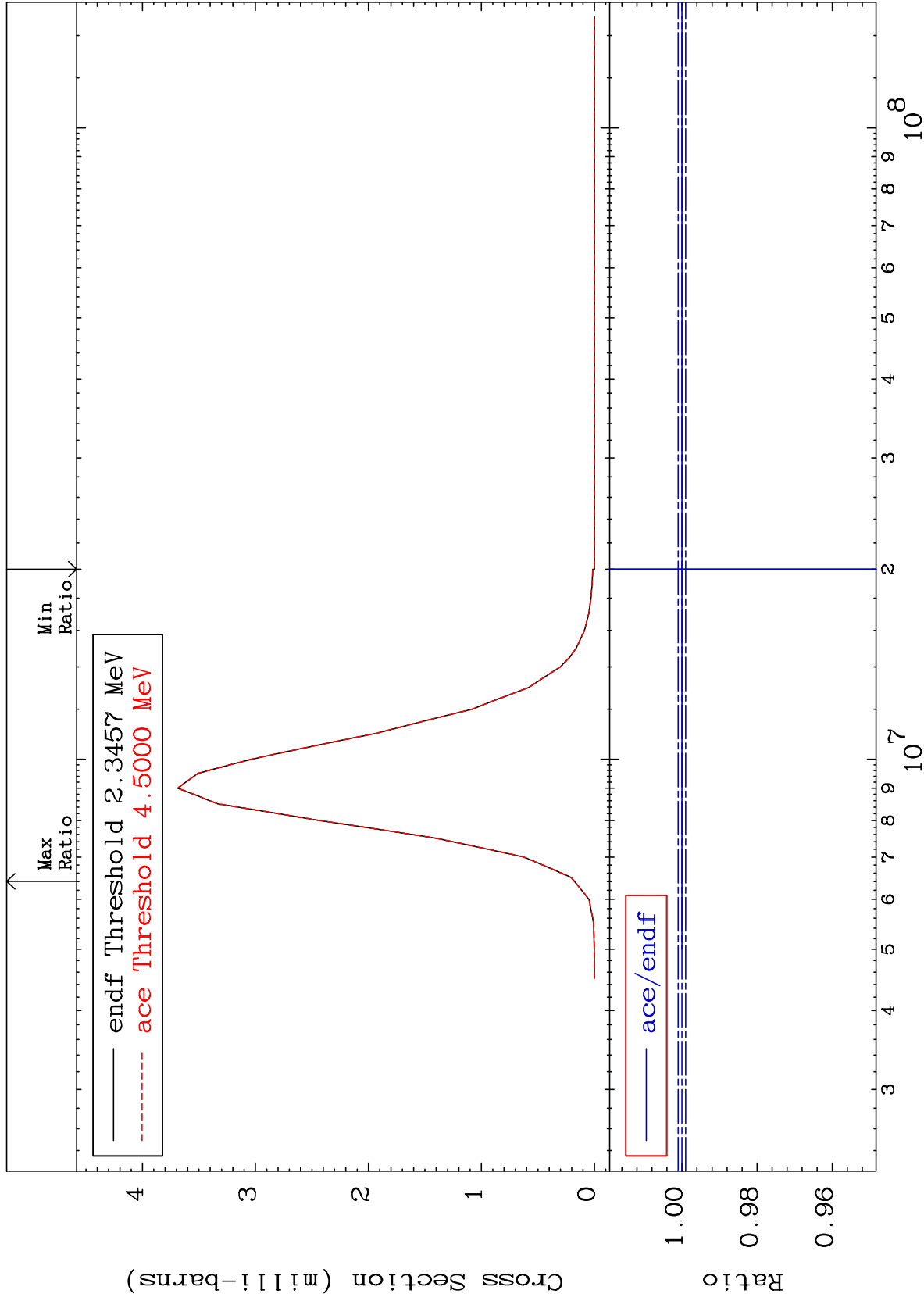
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.632 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

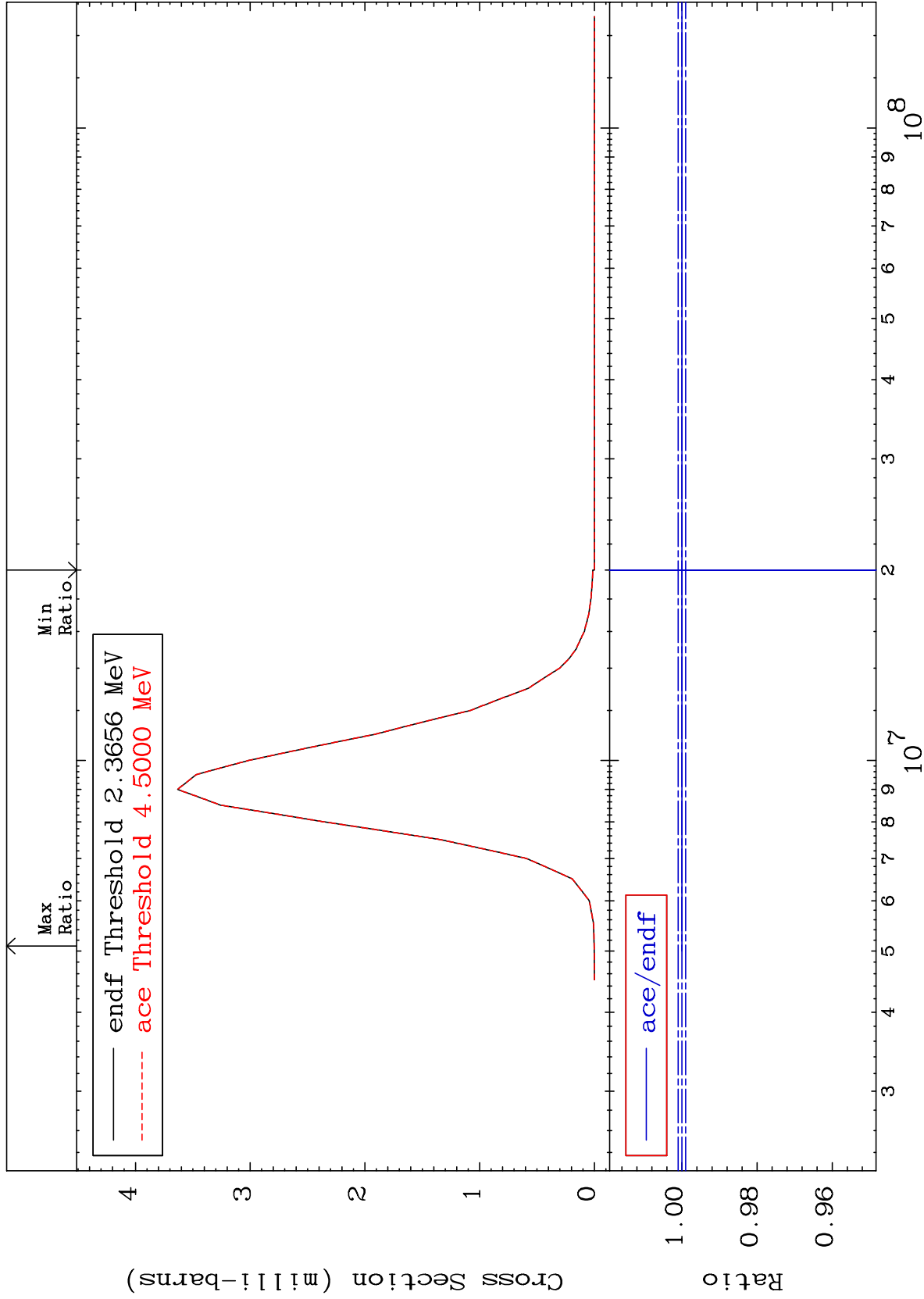


100

MAT 2031

2.651 MeV (n, α') Level
Cross Section

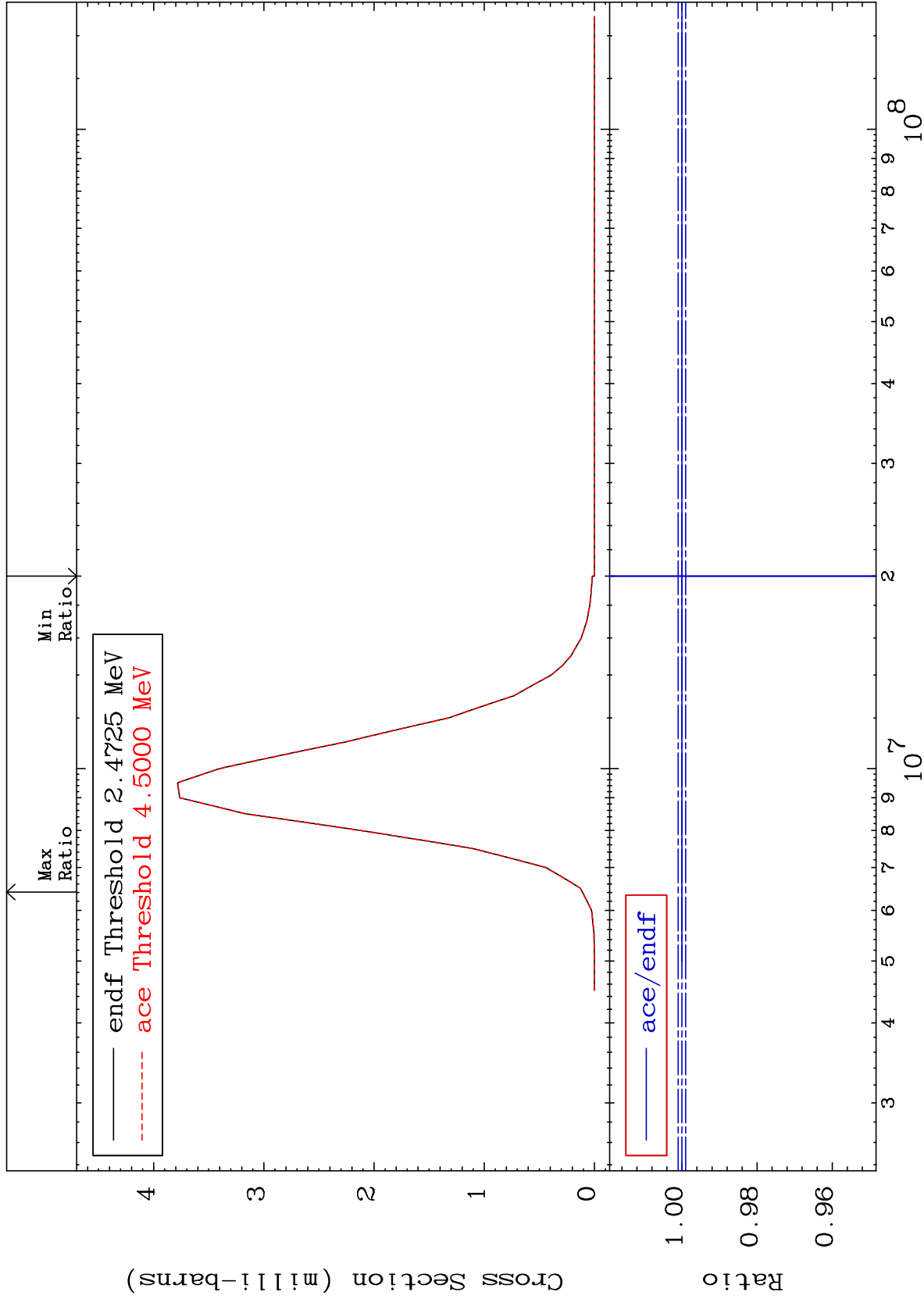
20-Ca-42
-100.0 To 0.000 %



MAT 2031

2.756 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

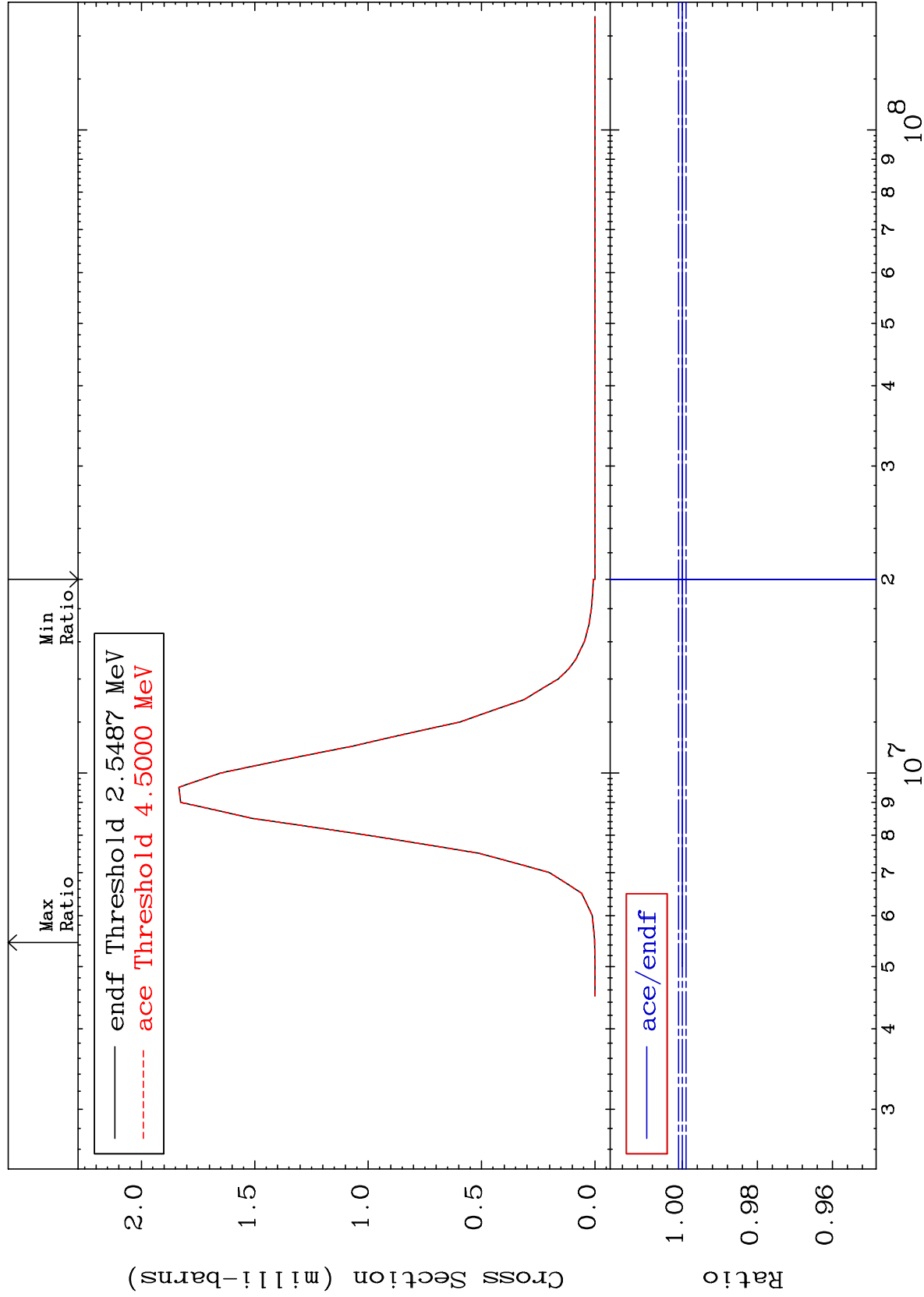


102

MAT 2031

2.830 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



103

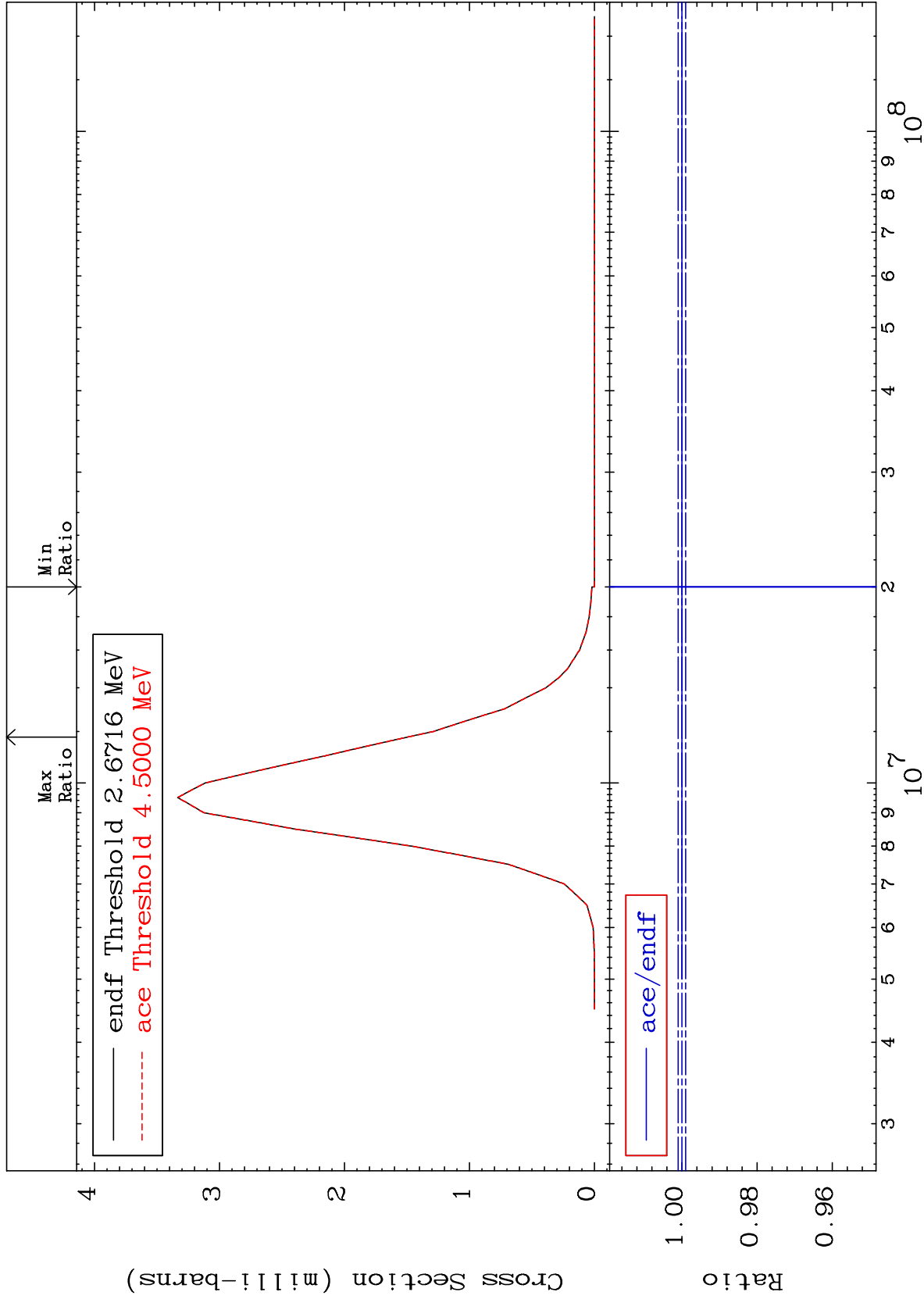
Incident Energy (eV)

20-Ca-42

MAT 2031

2.950 MeV (n, α') Level
Cross Section

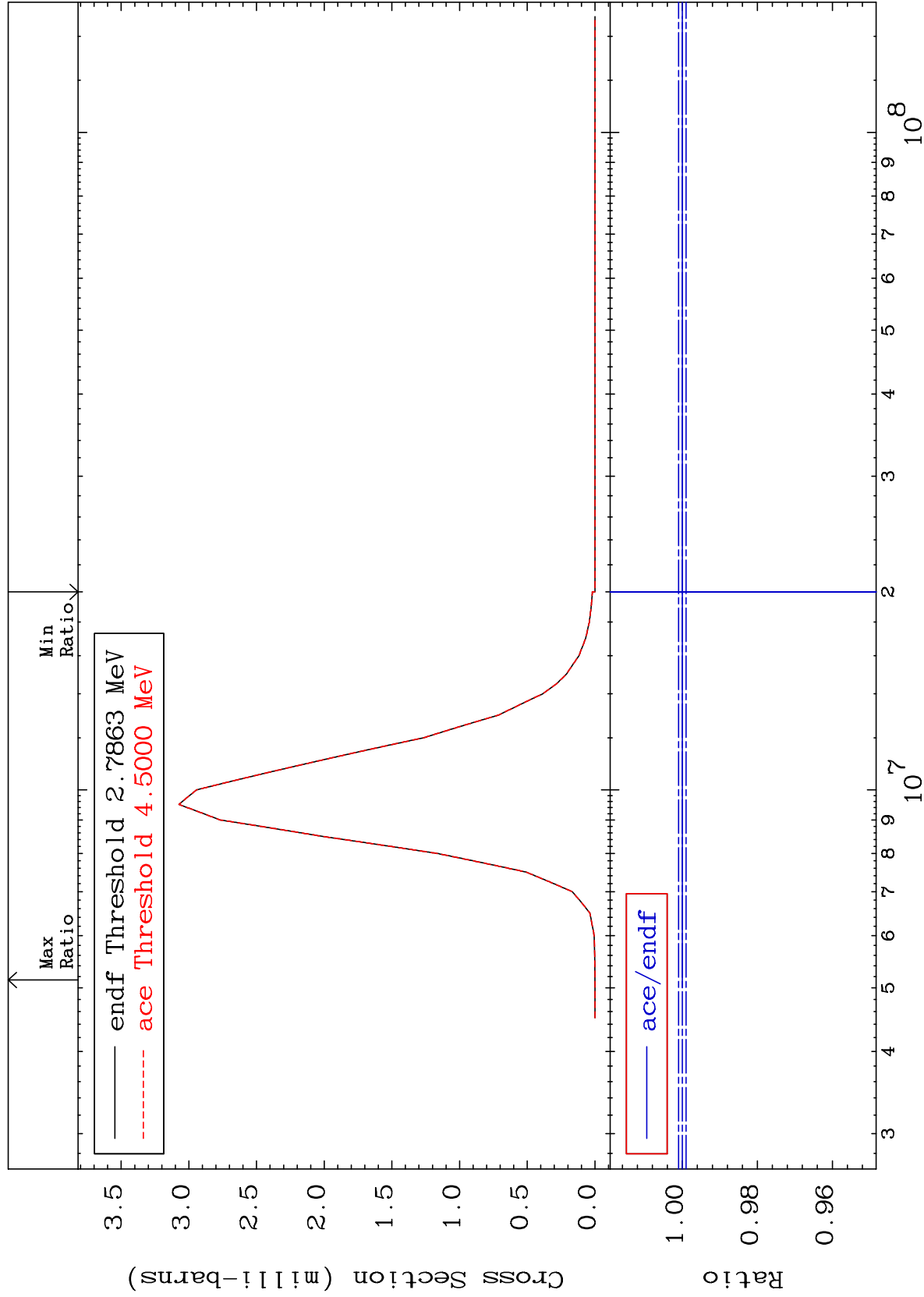
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.062 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

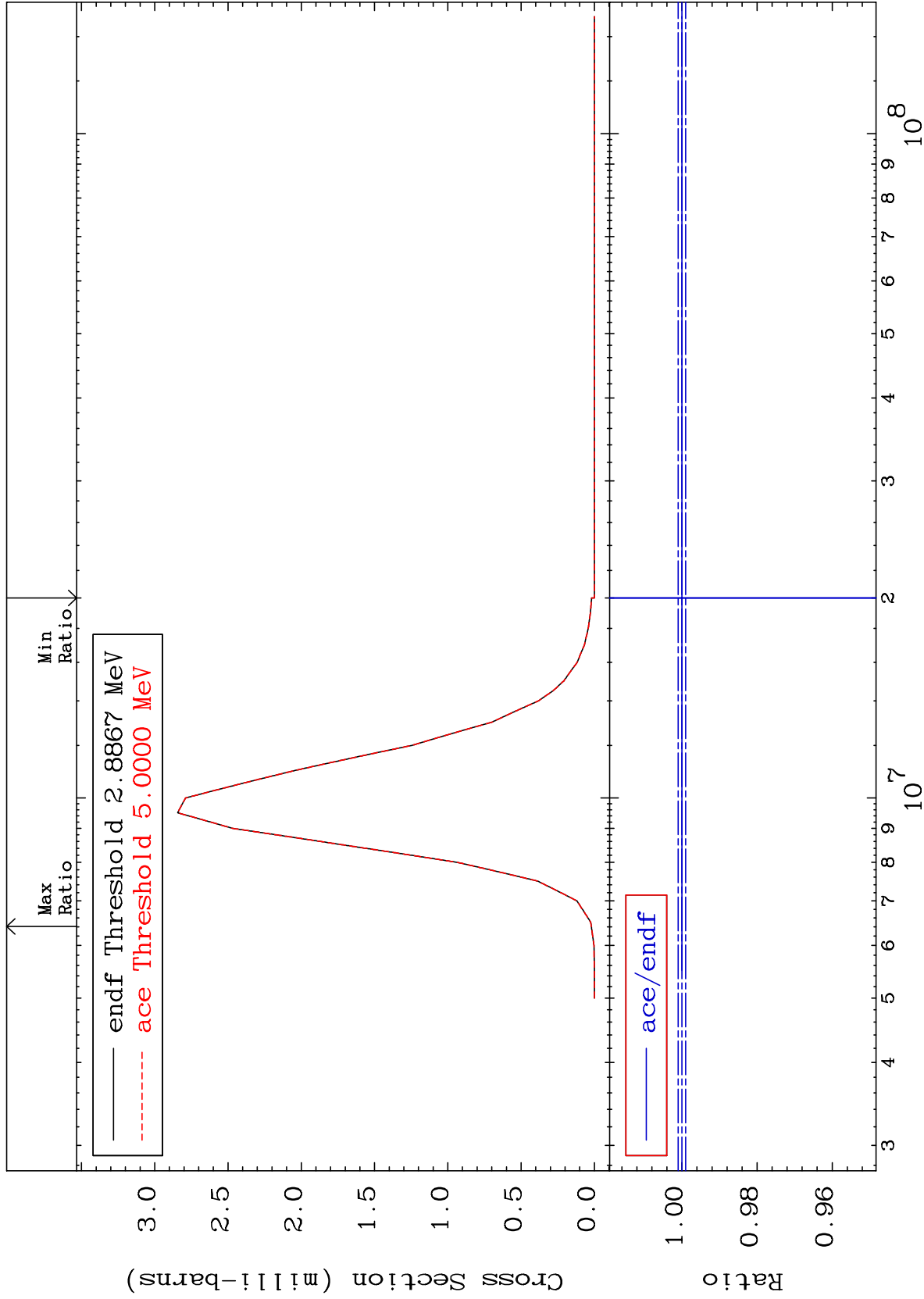


105

MAT 2031

3.160 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

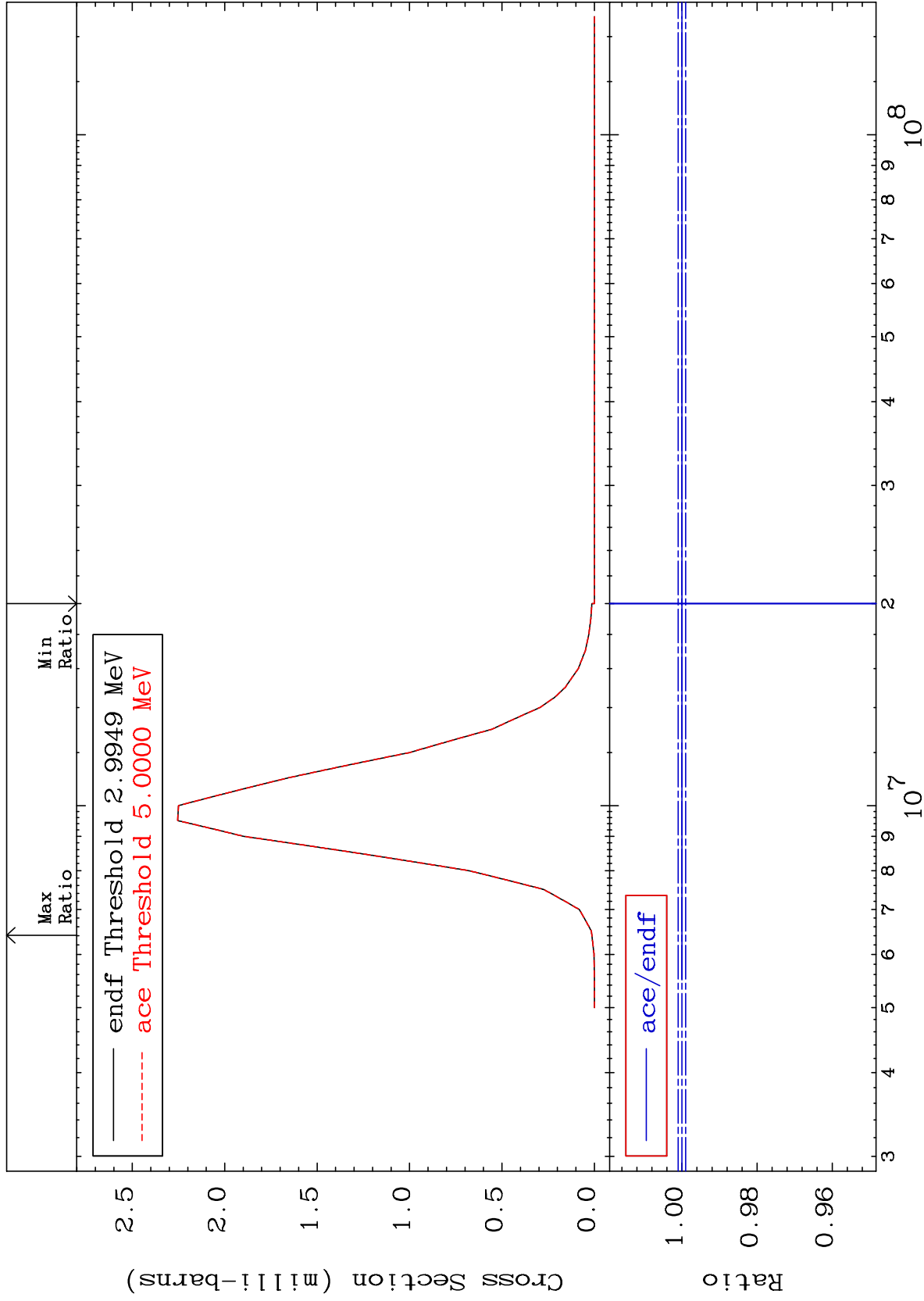


106

MAT 2031

3.266 MeV (n,α') Level
Cross Section

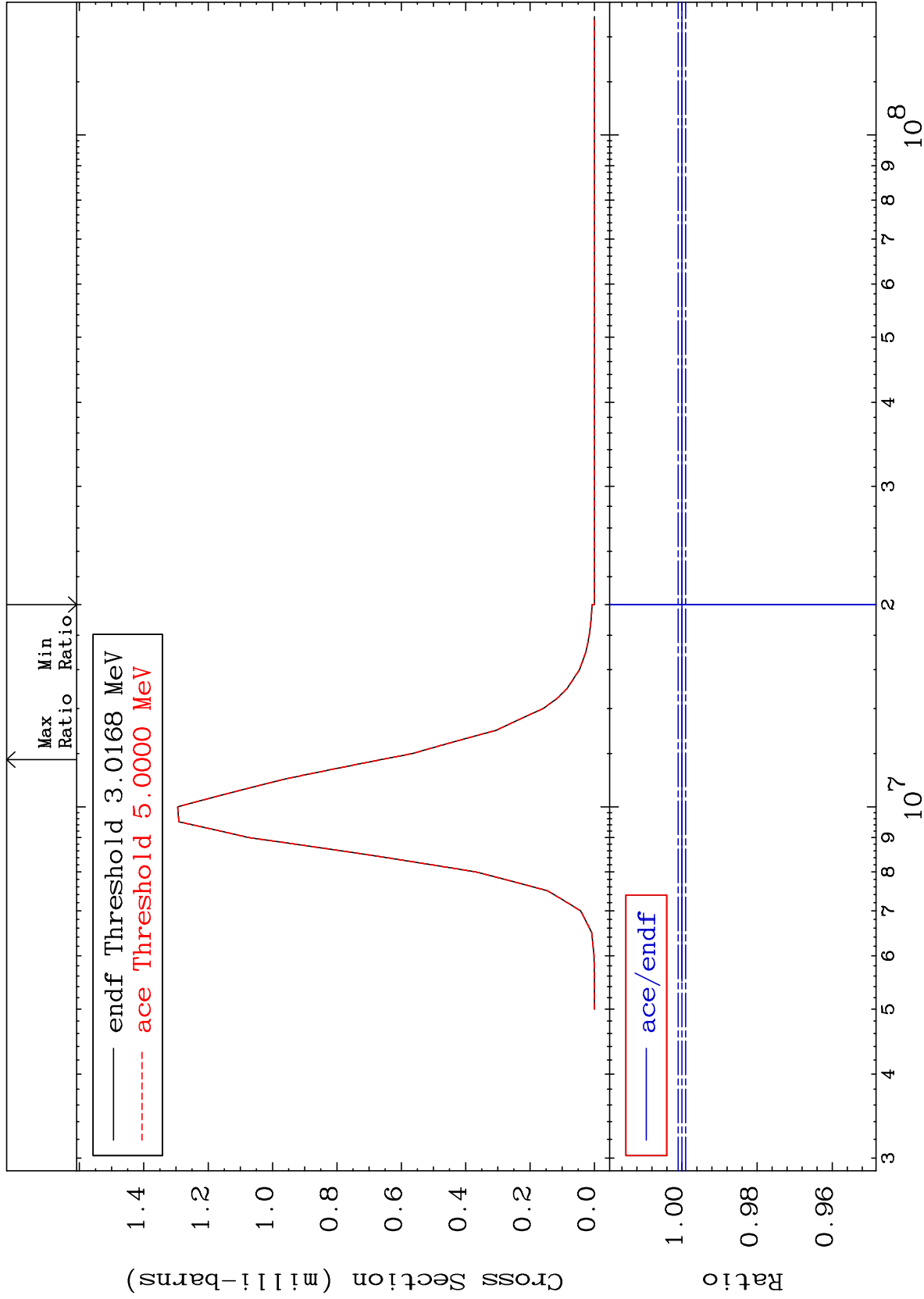
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.287 MeV (n, α') Level
Cross Section

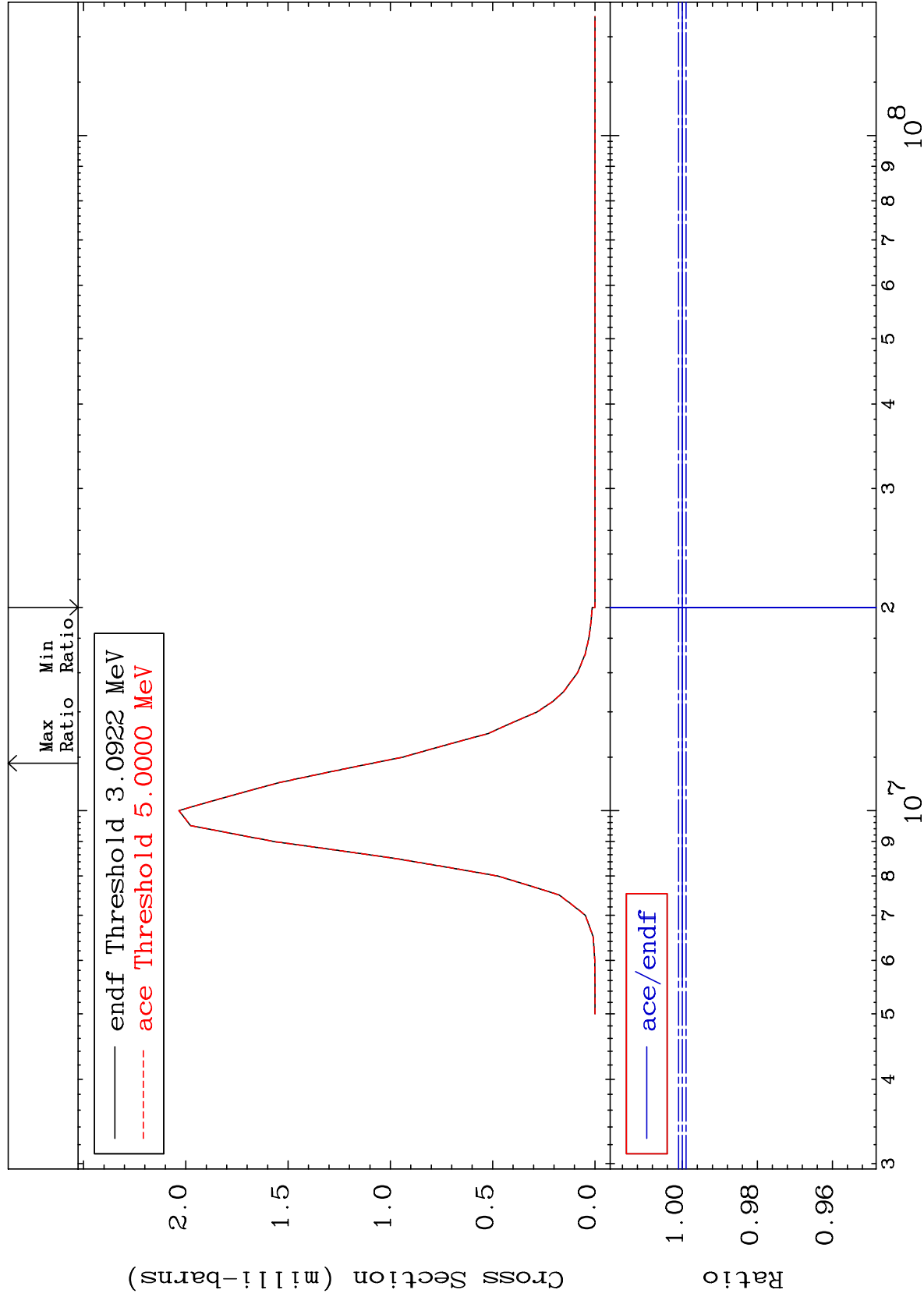
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.361 MeV (n,α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

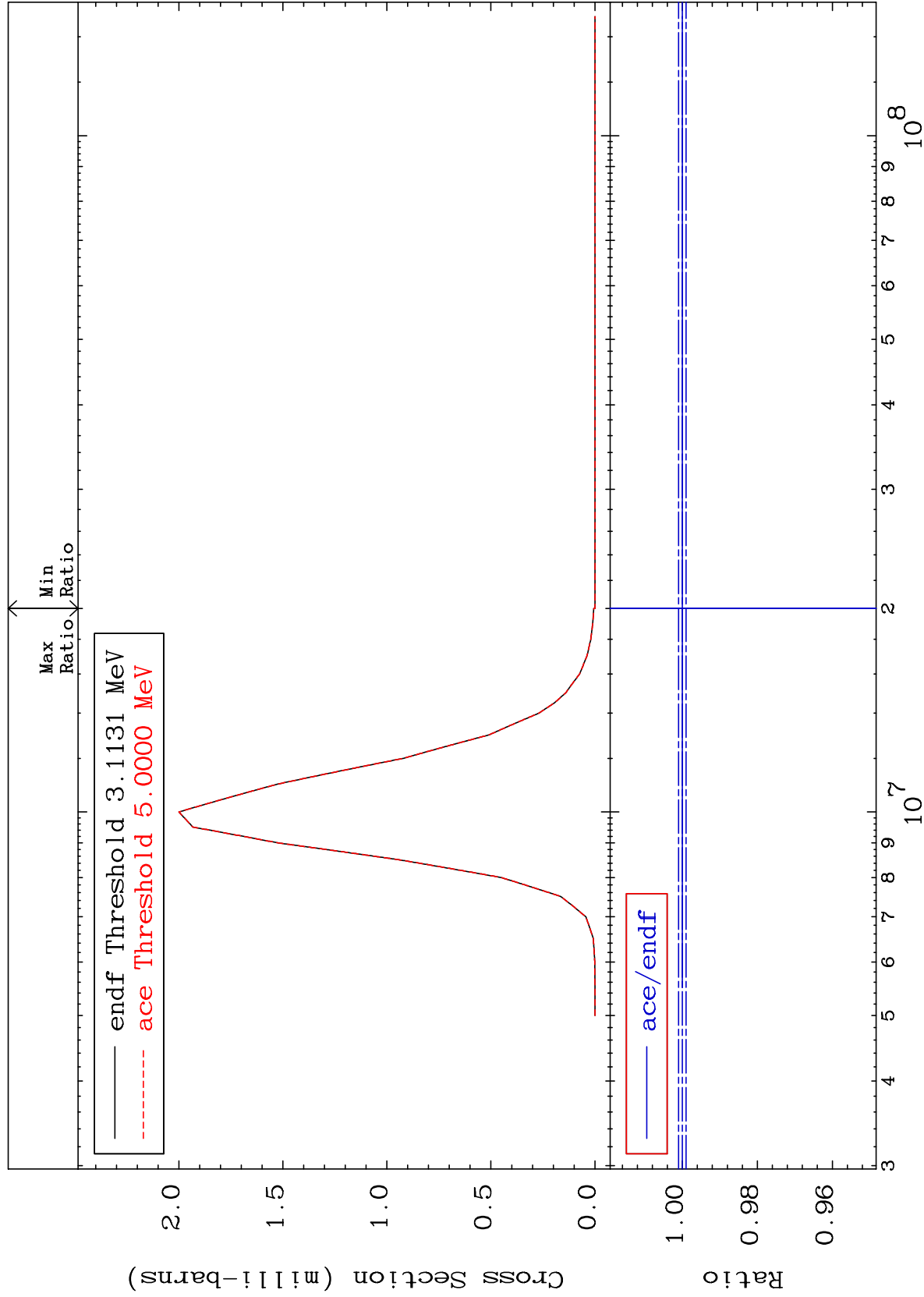


109

MAT 2031

3.381 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



110

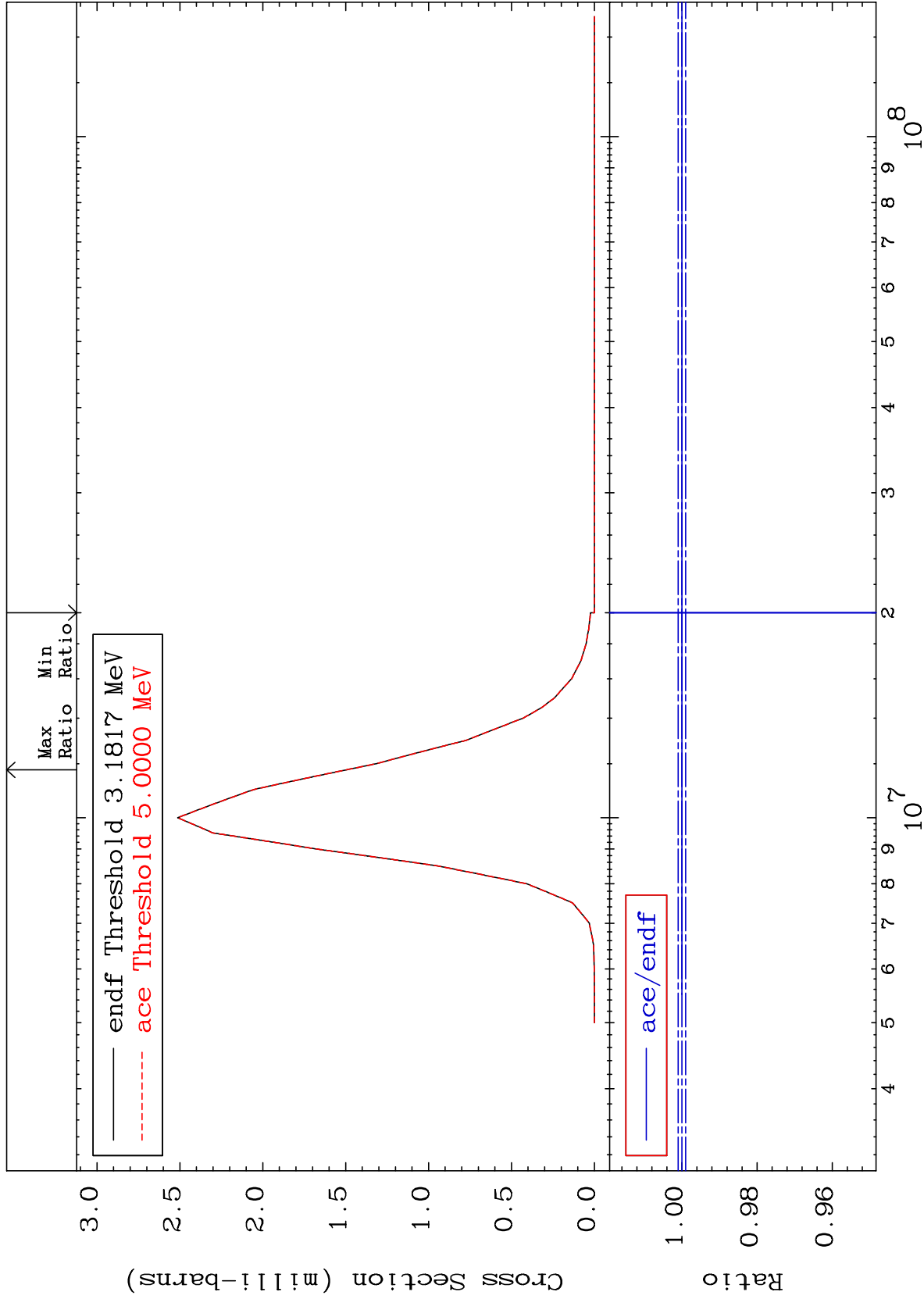
Incident Energy (eV)

20-Ca-42

MAT 2031

3.448 MeV (n, α') Level
Cross Section

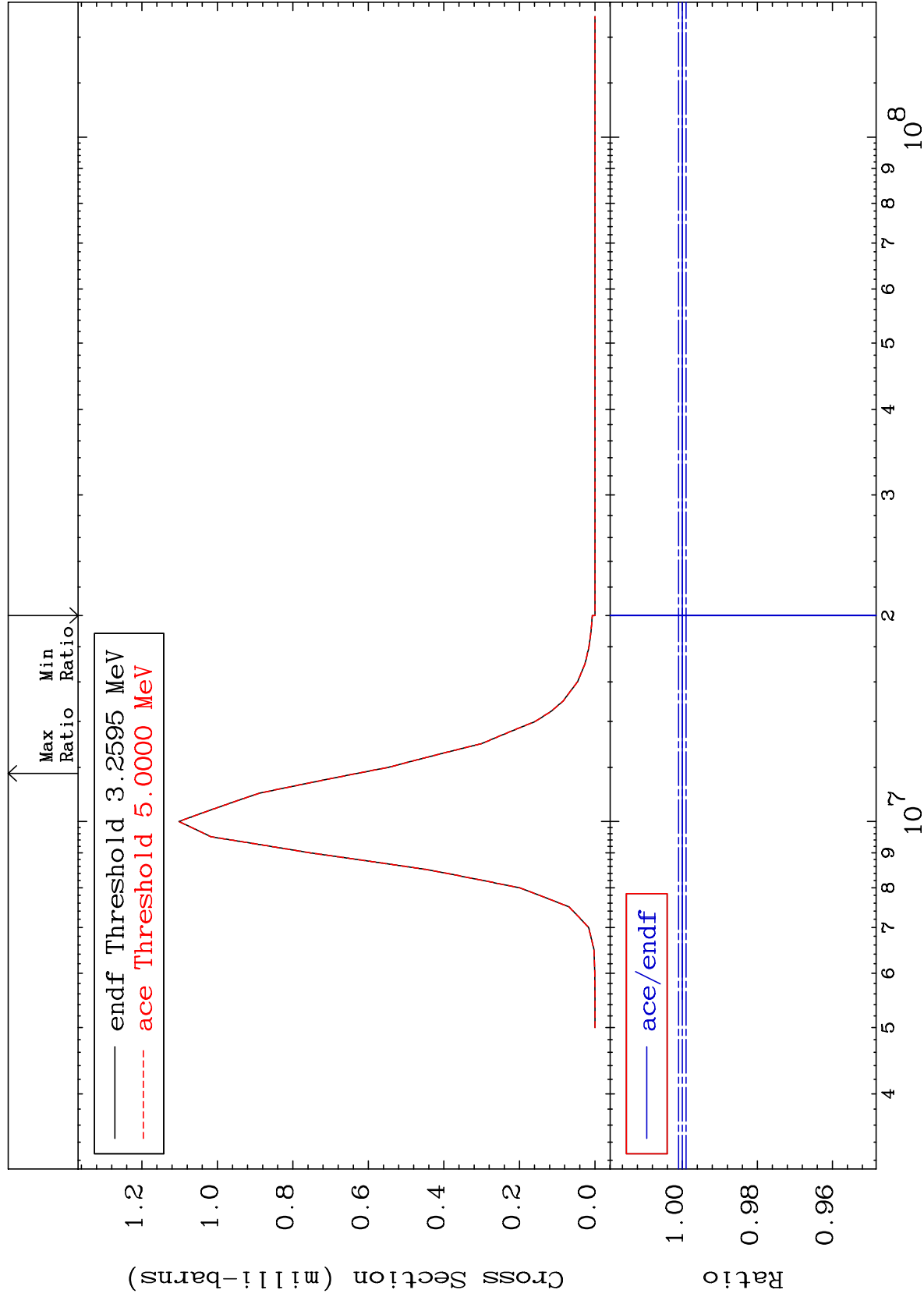
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.524 MeV (n,α') Level
Cross Section

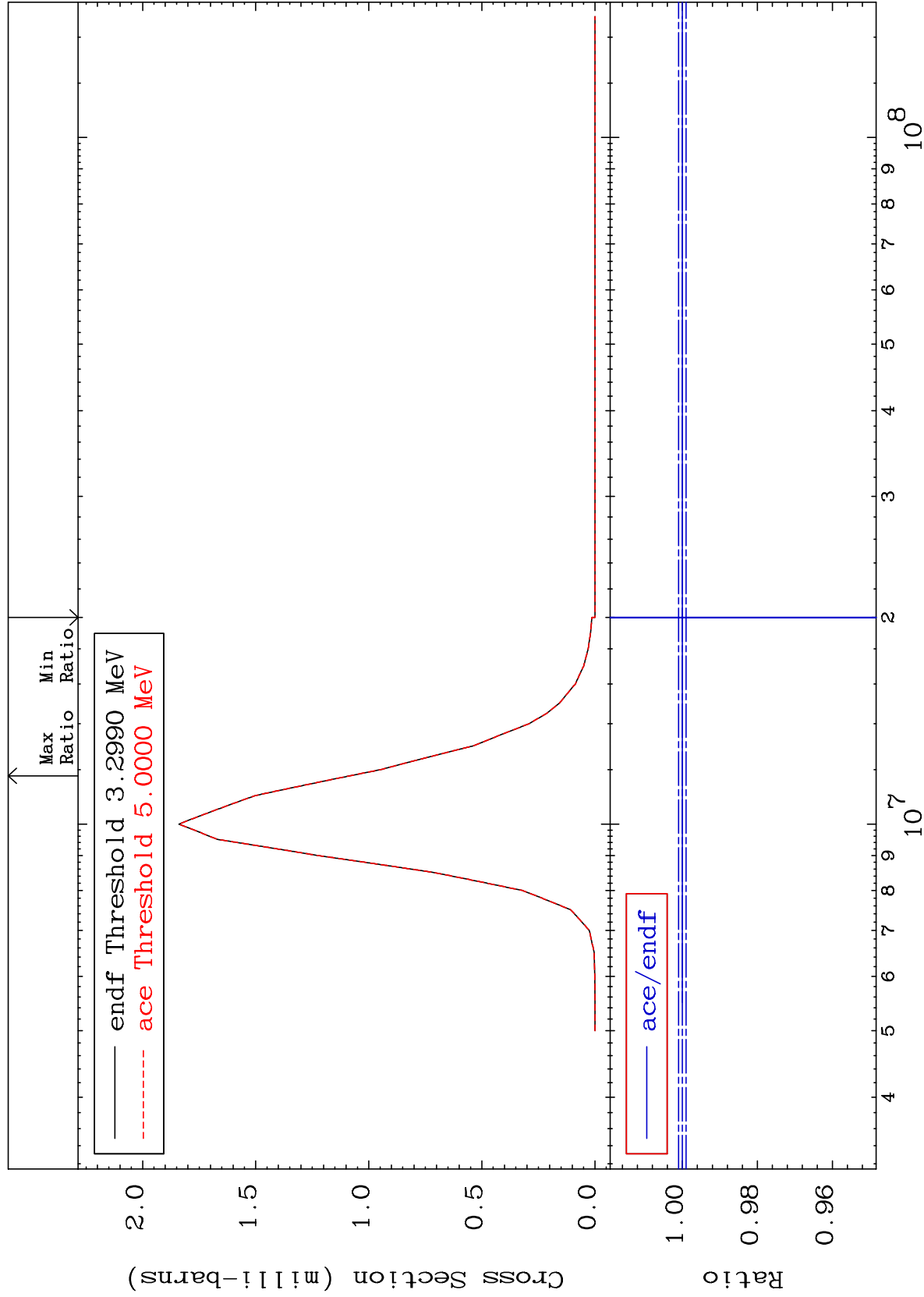
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.563 MeV (n, α') Level
Cross Section

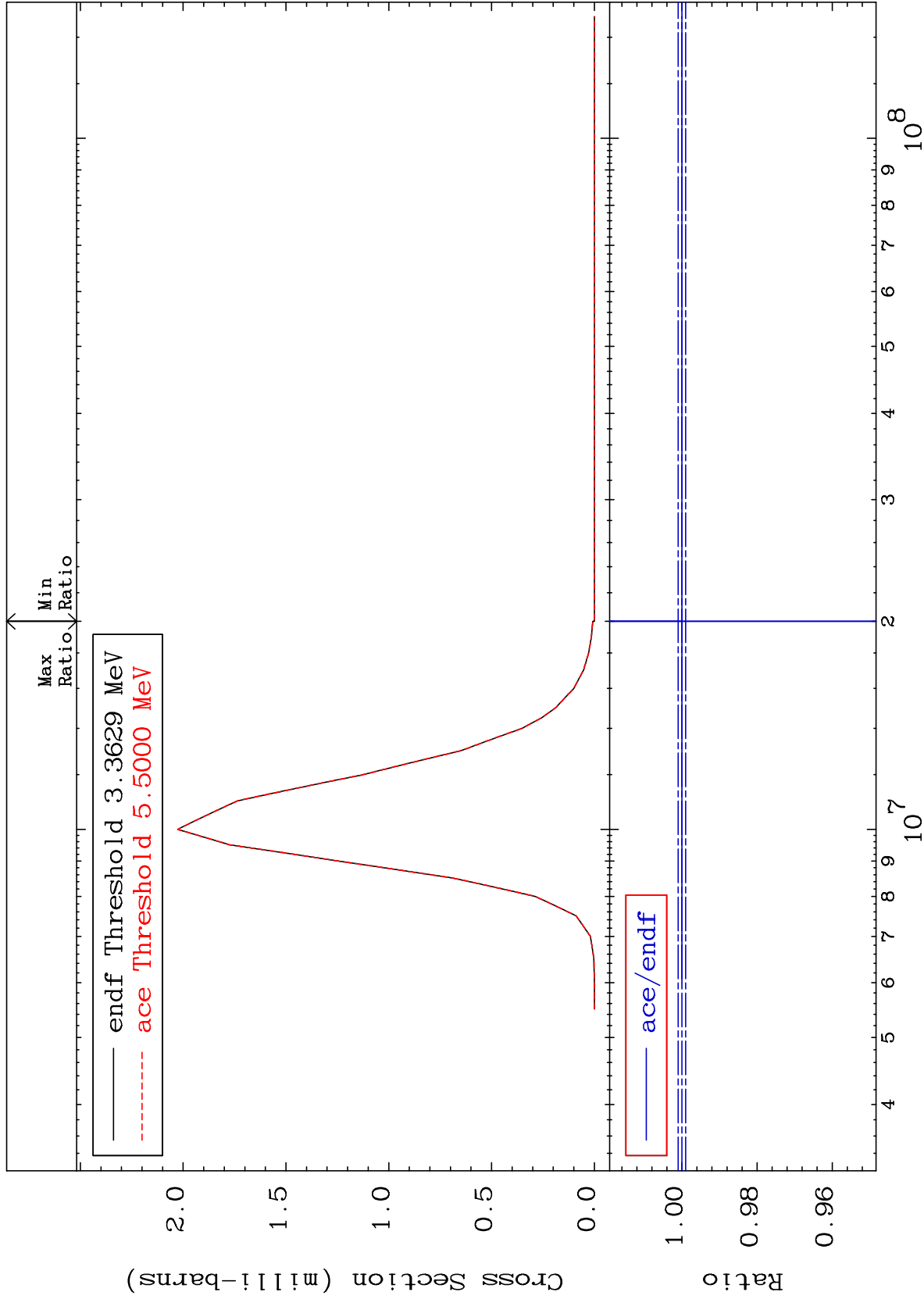
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.625 MeV (n,α') Level
Cross Section

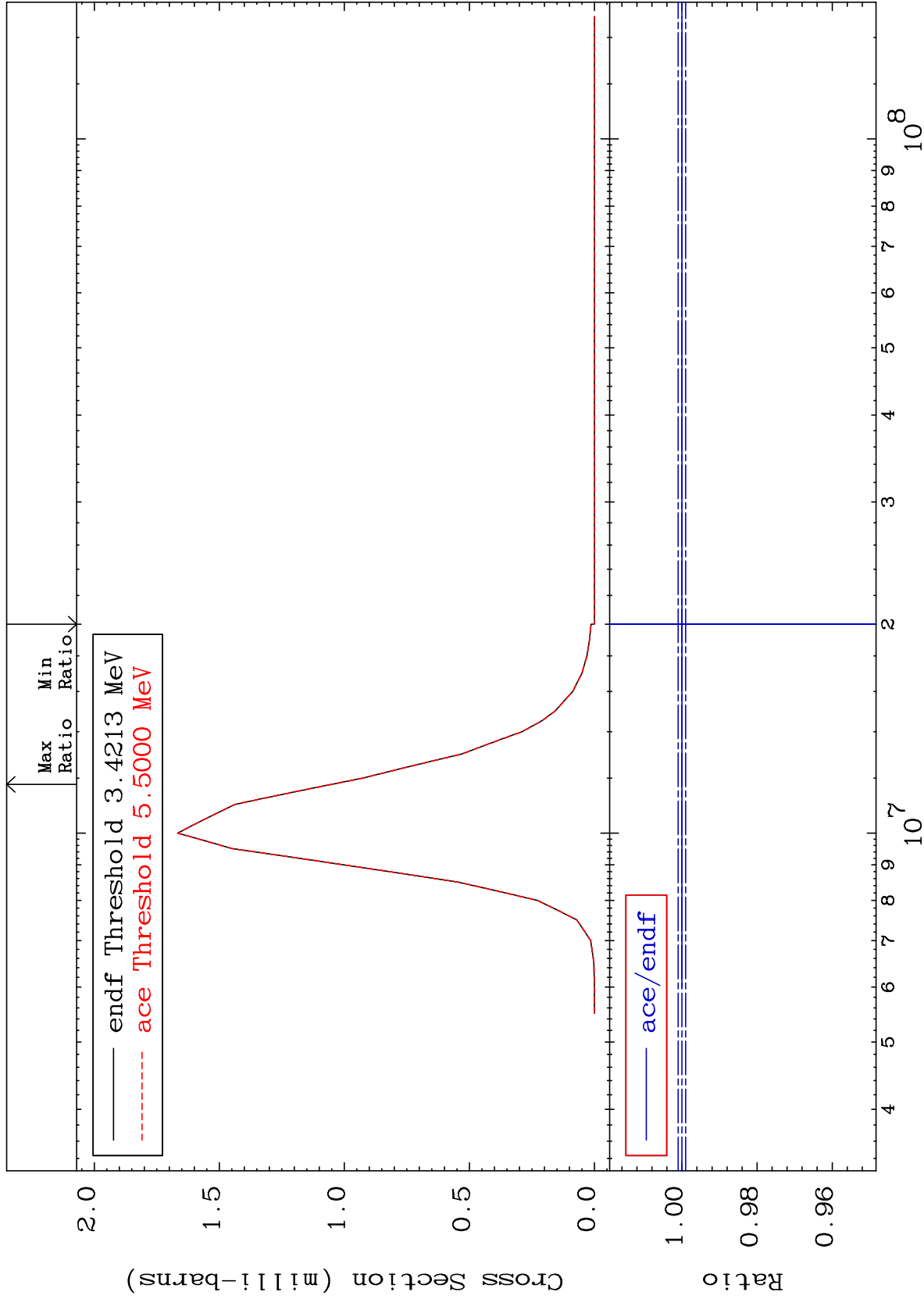
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.682 MeV (n,α') Level
Cross Section

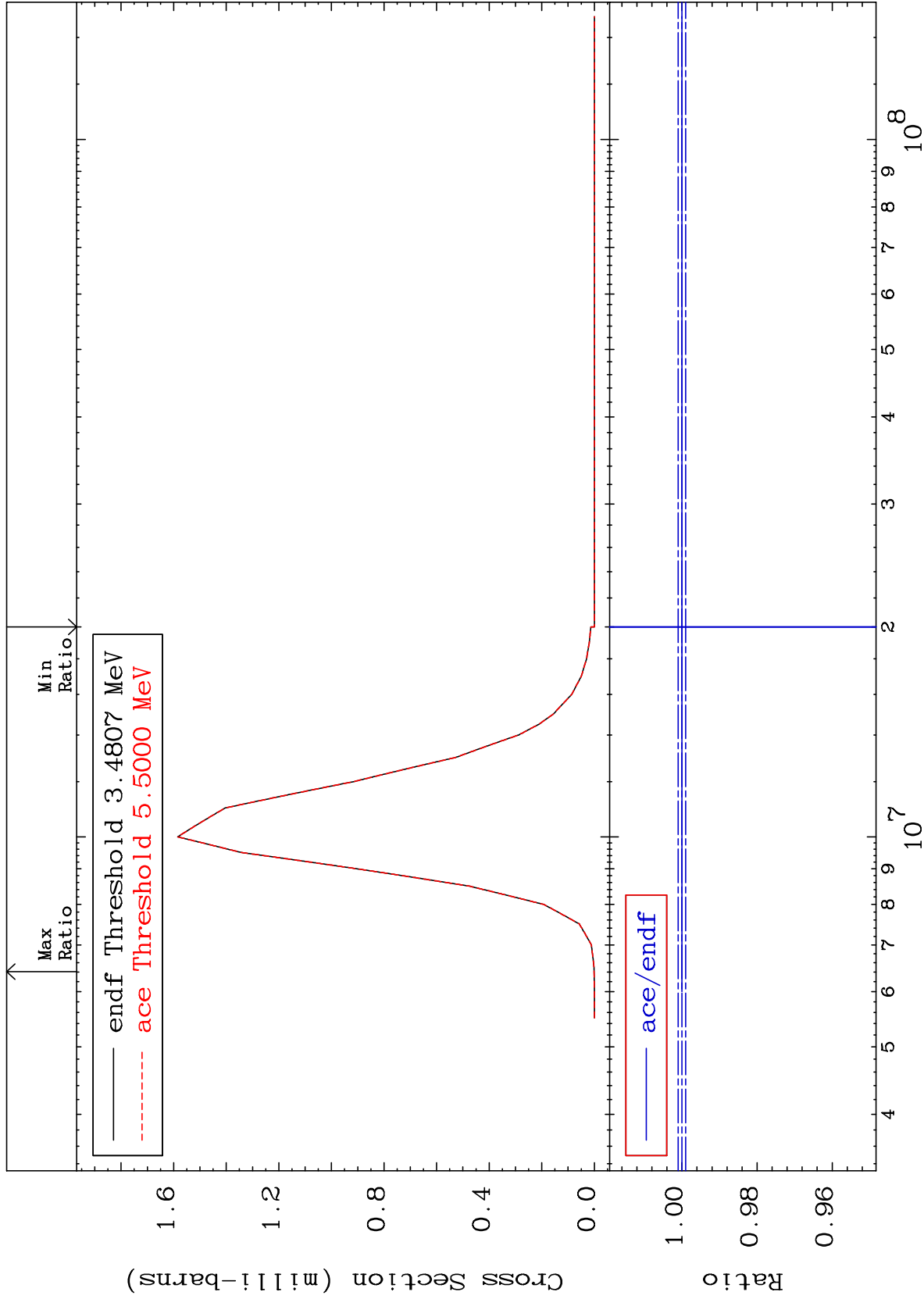
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.740 MeV (n,α') Level
Cross Section

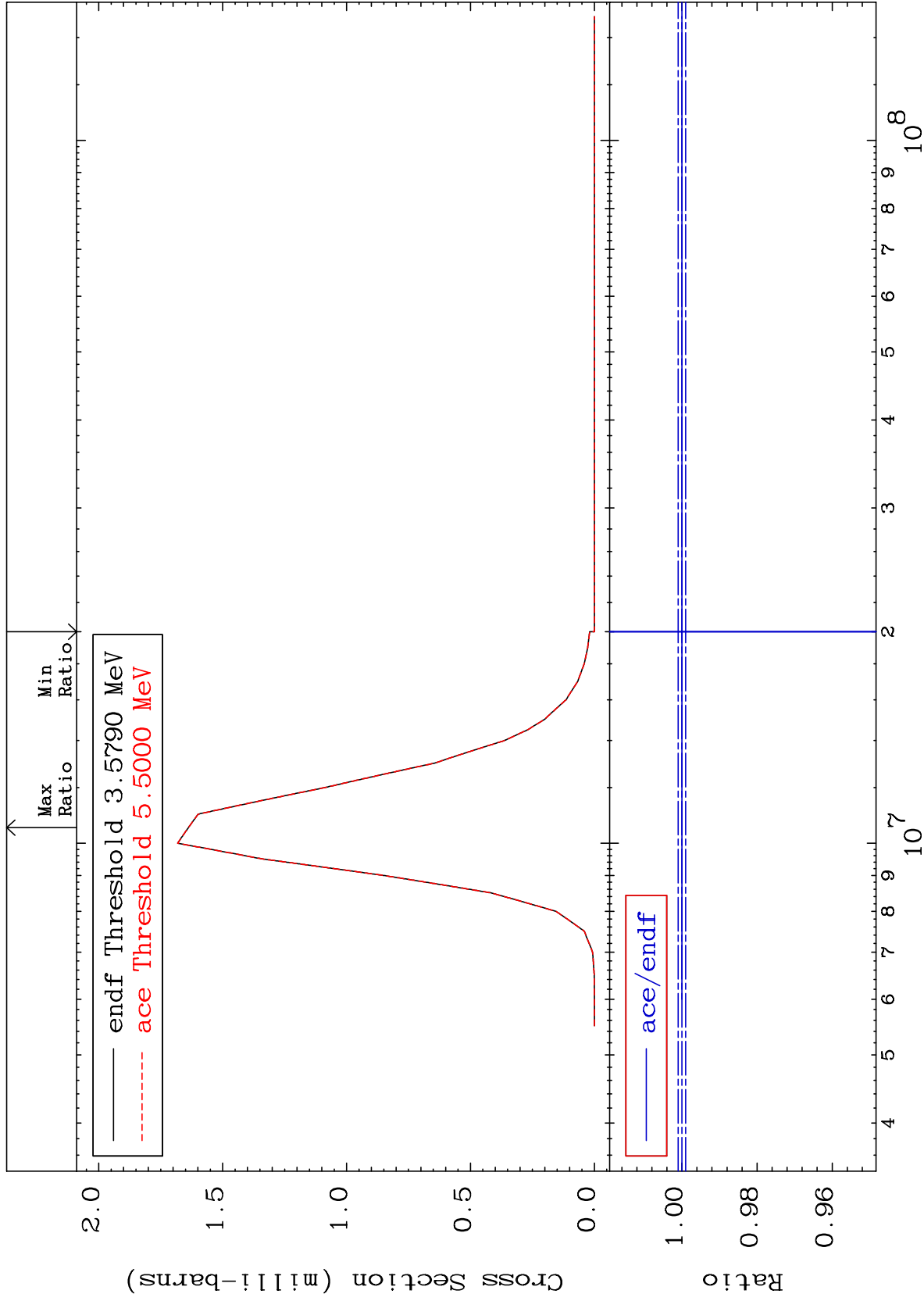
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.836 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

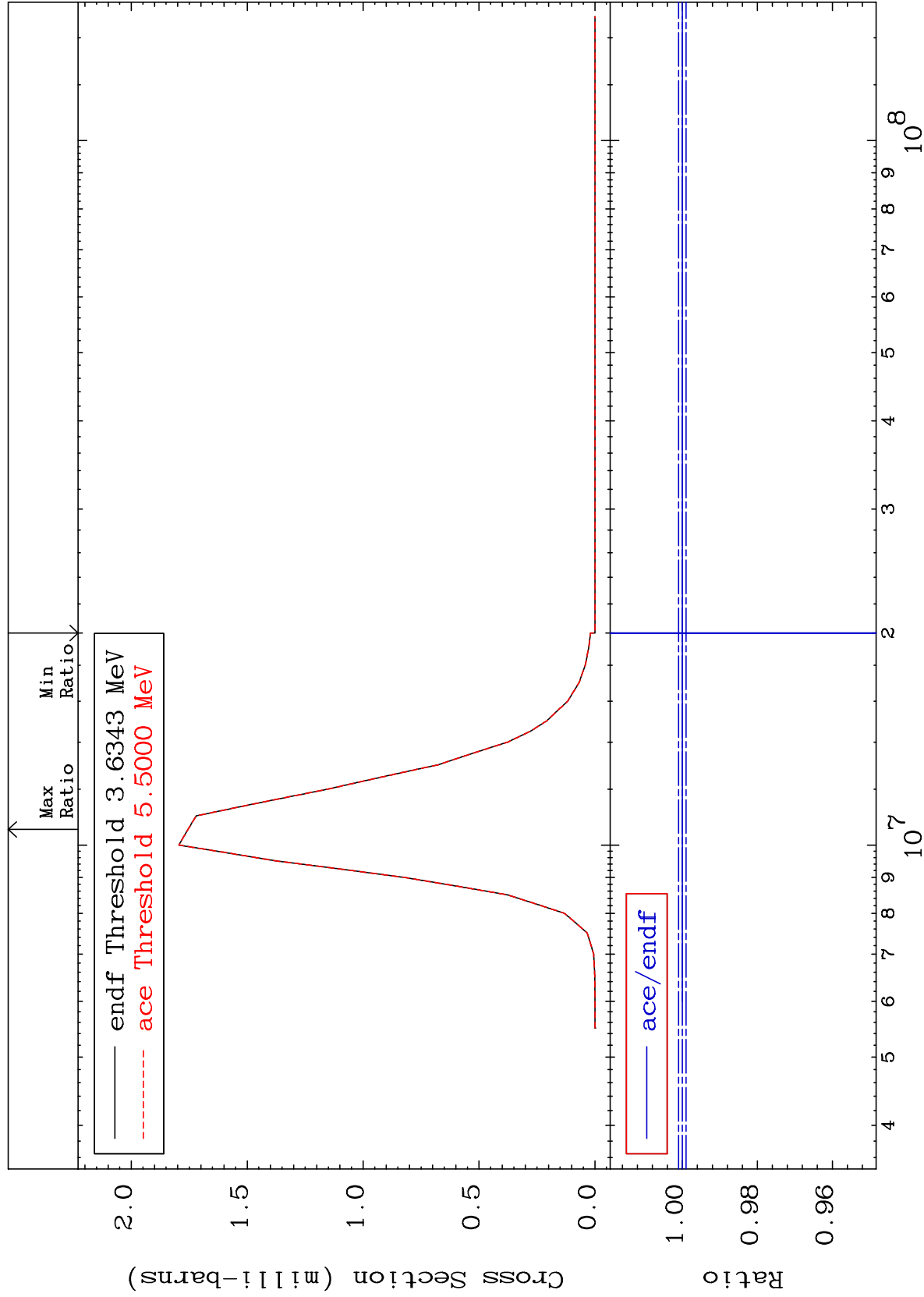


117

MAT 2031

3.890 MeV (n, α') Level
Cross Section

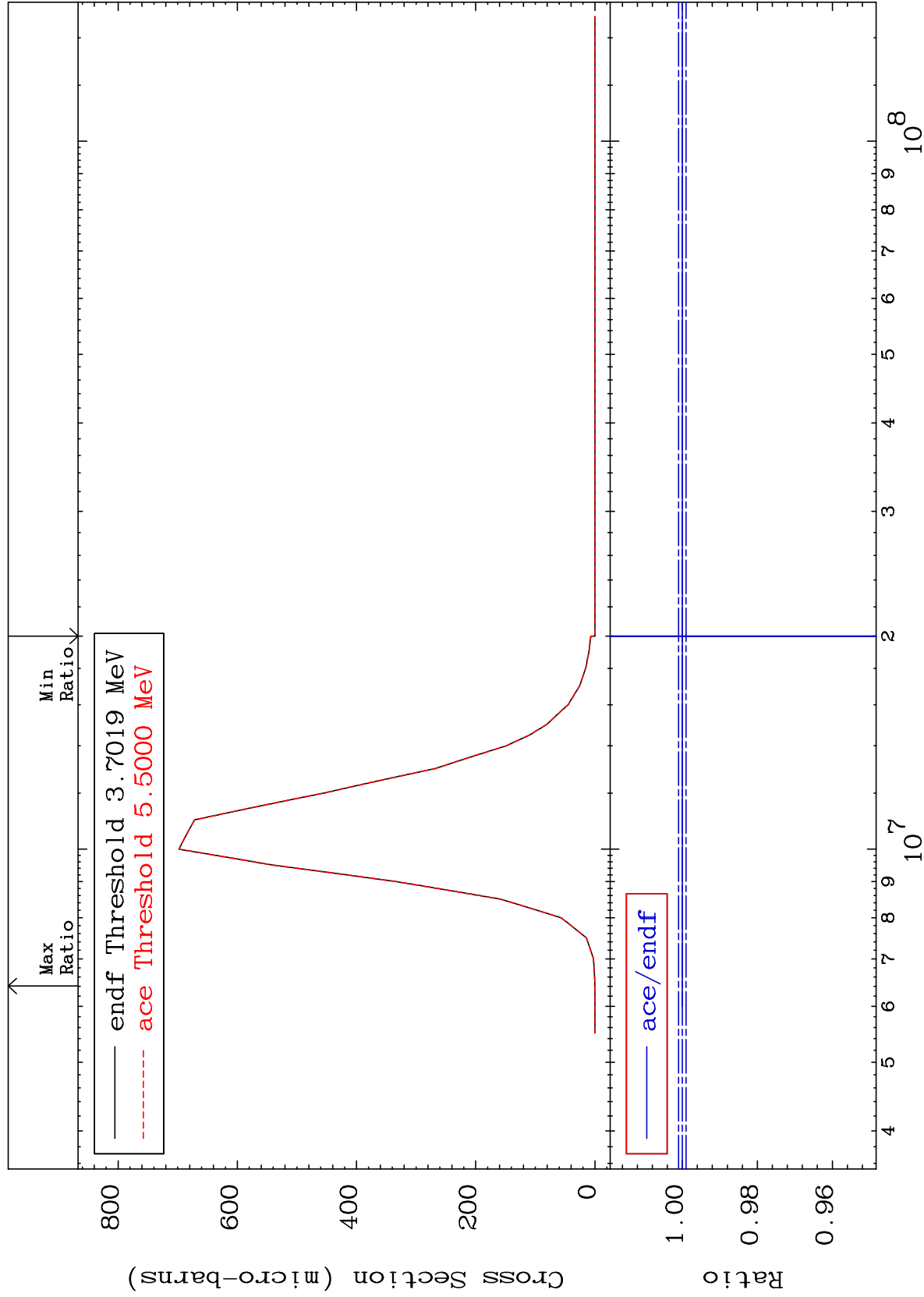
20-Ca-42
-100.0 To 0.000 %



MAT 2031

3.956 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

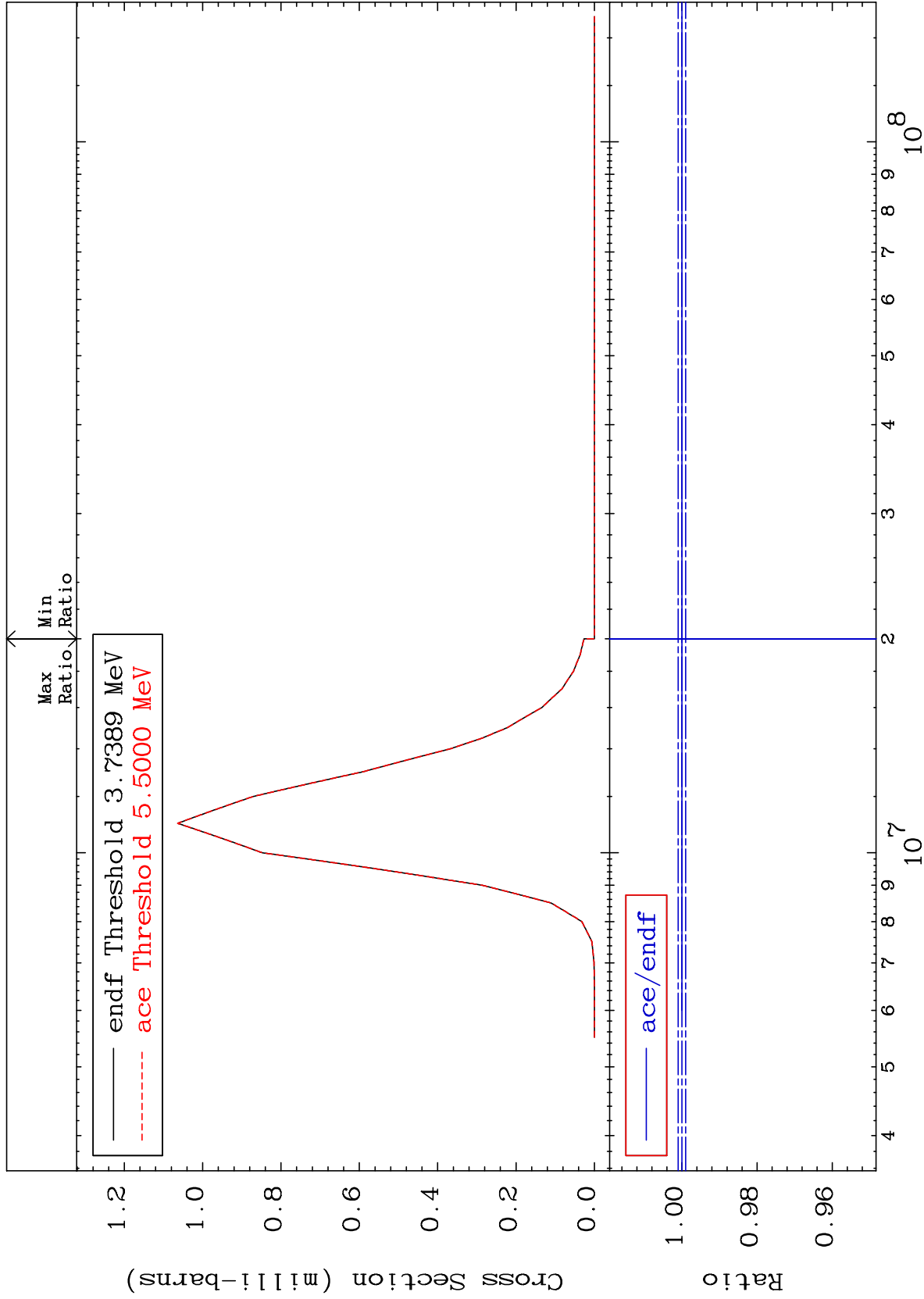


119

MAT 2031

3.992 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %

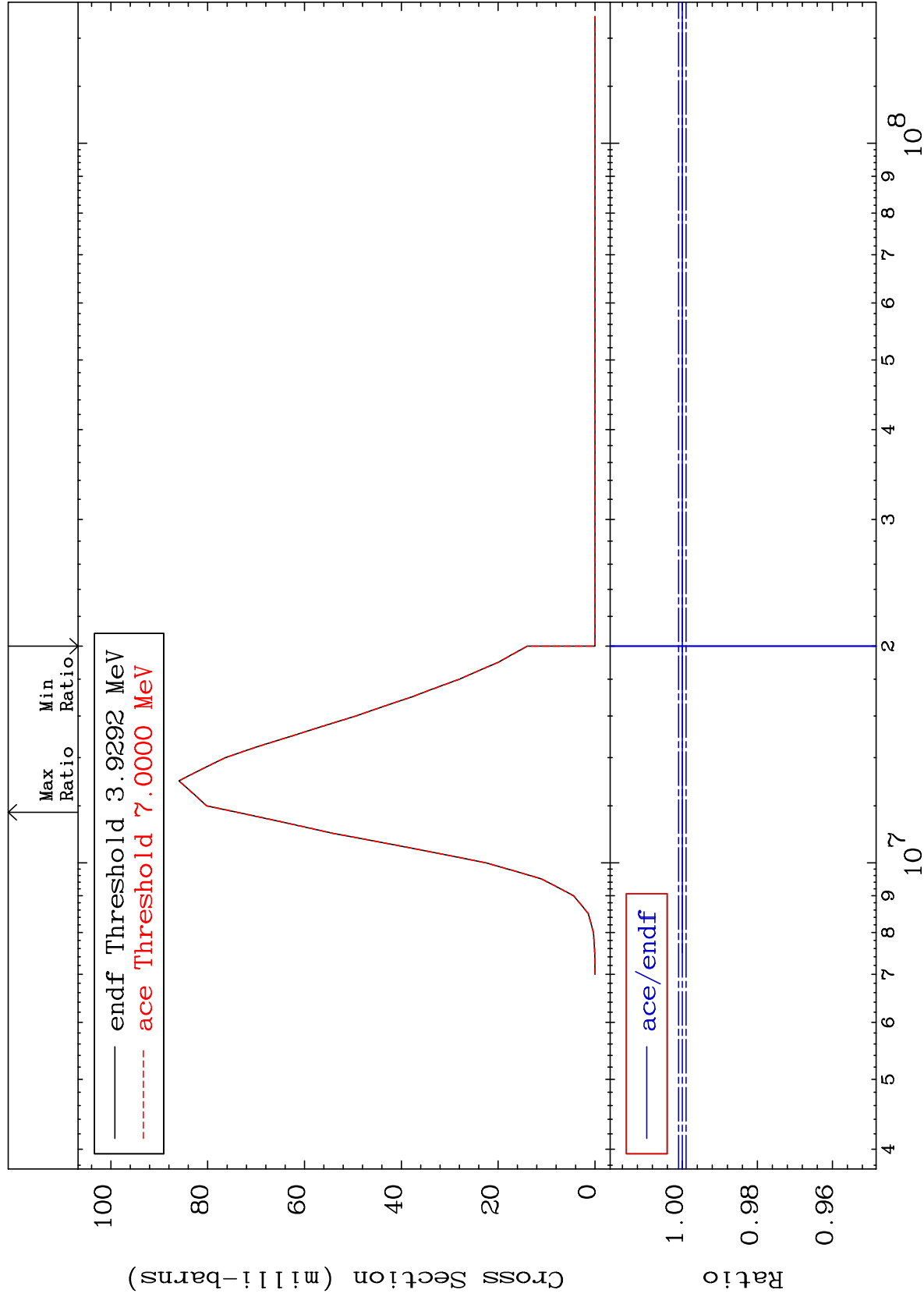


120

MAT 2031

4.178 MeV (n, α') Level
Cross Section

20-Ca-42
-100.0 To 0.000 %



121

Incident Energy (eV)

20-Ca-42