

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

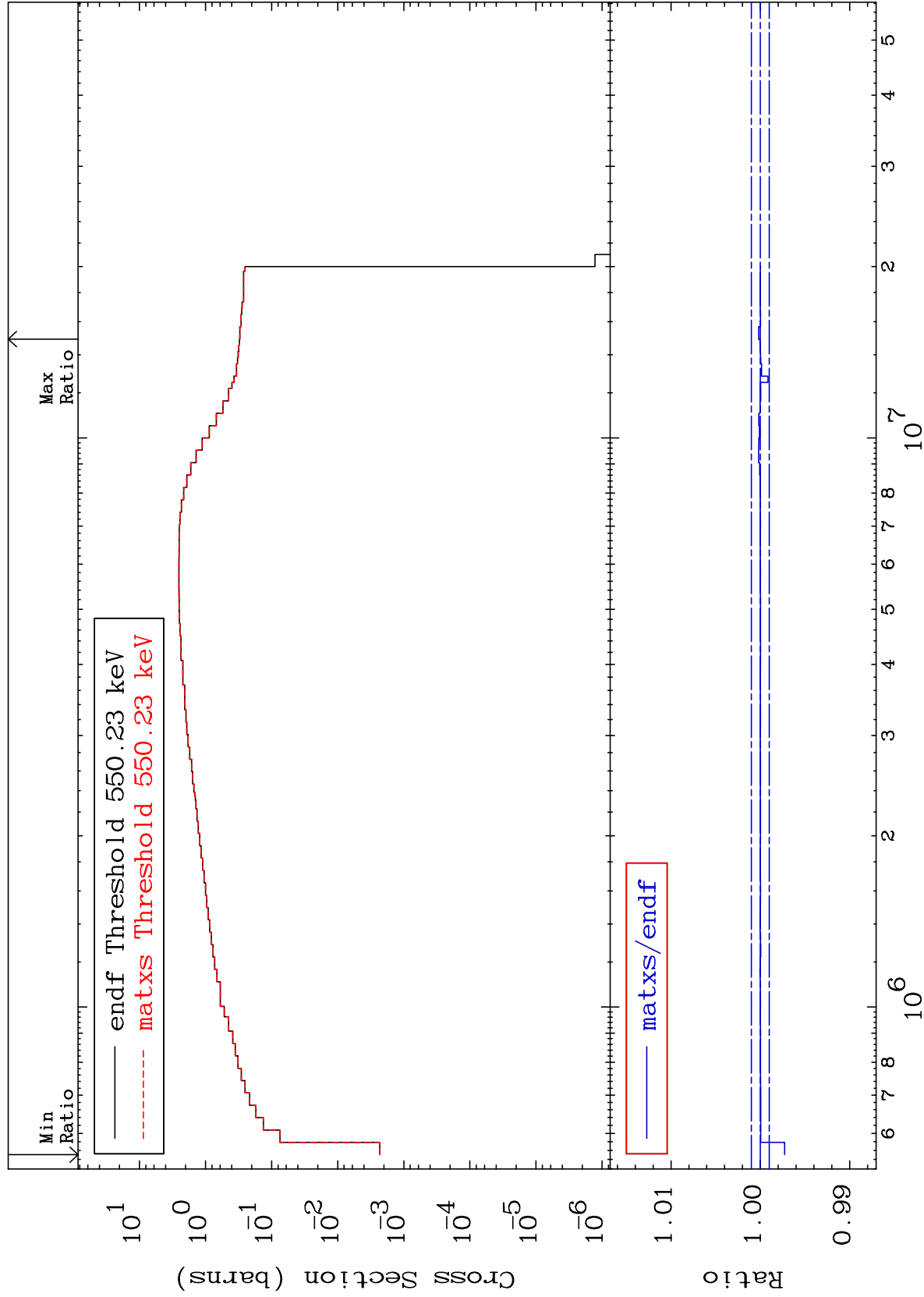
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8234

Inelastic
Cross Section

82-Pb-207
-0.272 To 0.020 %



1

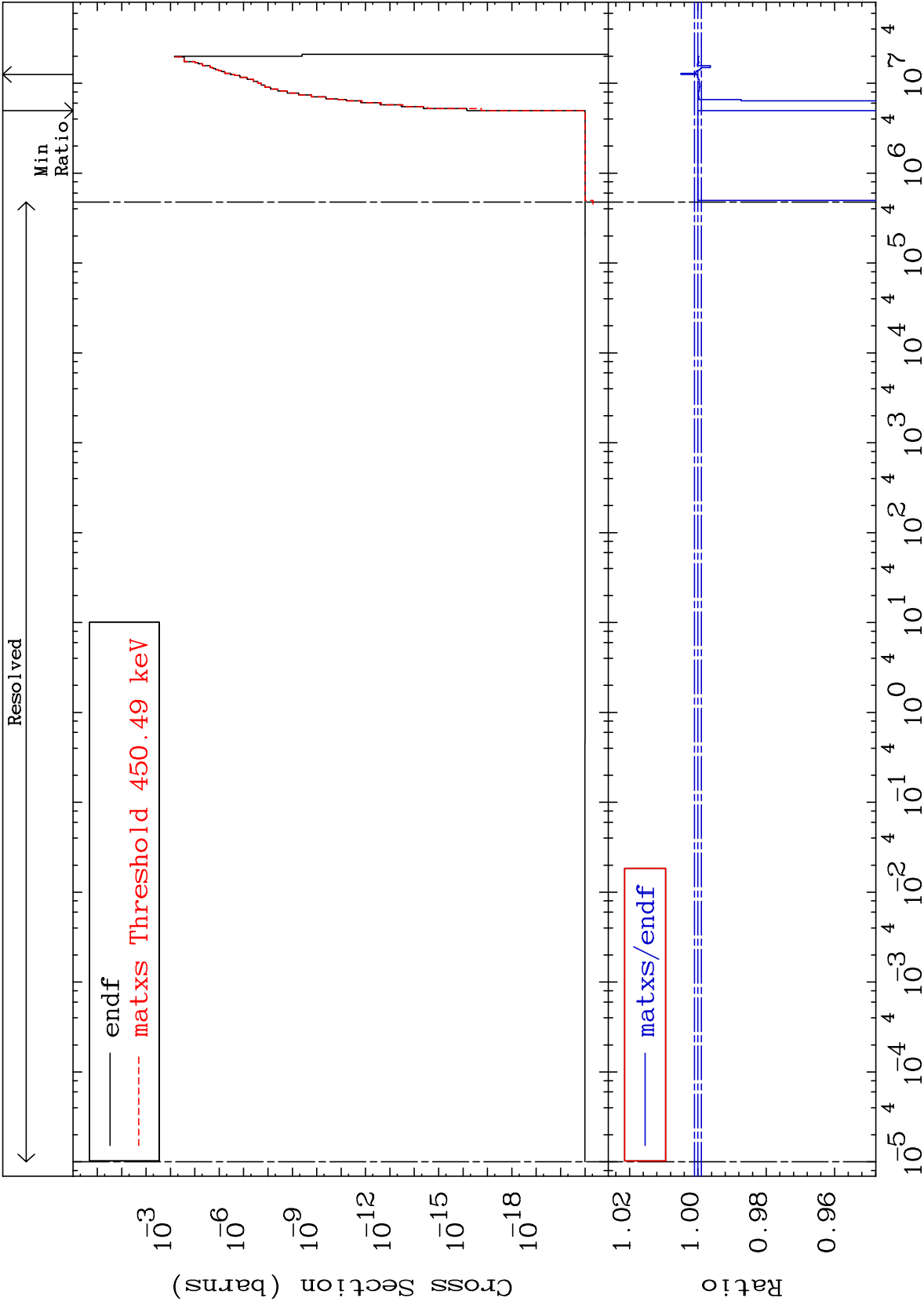
Incident Energy (eV)

82-Pb-207

MAT 8234

(n, n') α
Cross Section

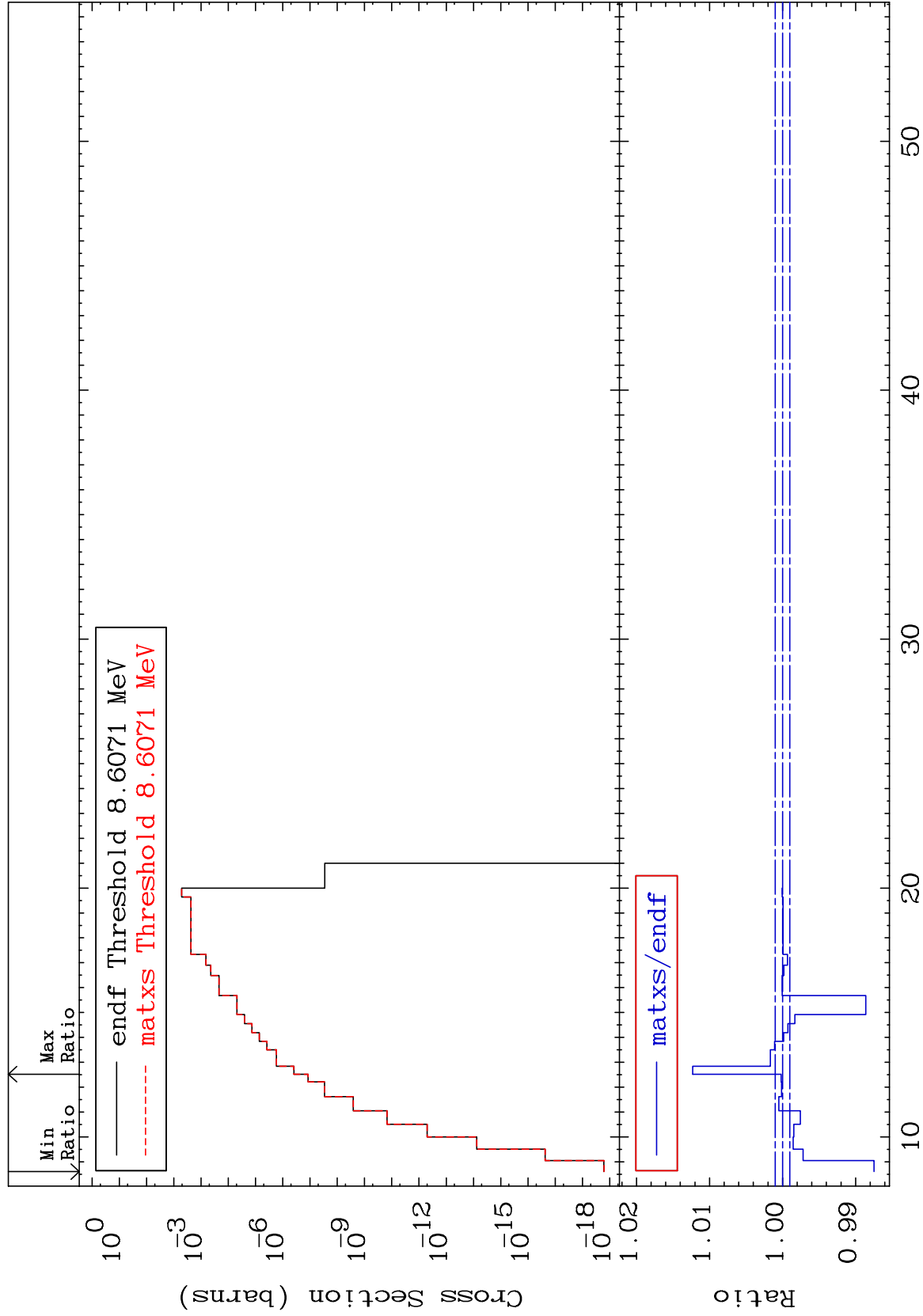
82-Pb-207
-74.17 To 0.496 %



MAT 8234

(n, n') p
Cross Section

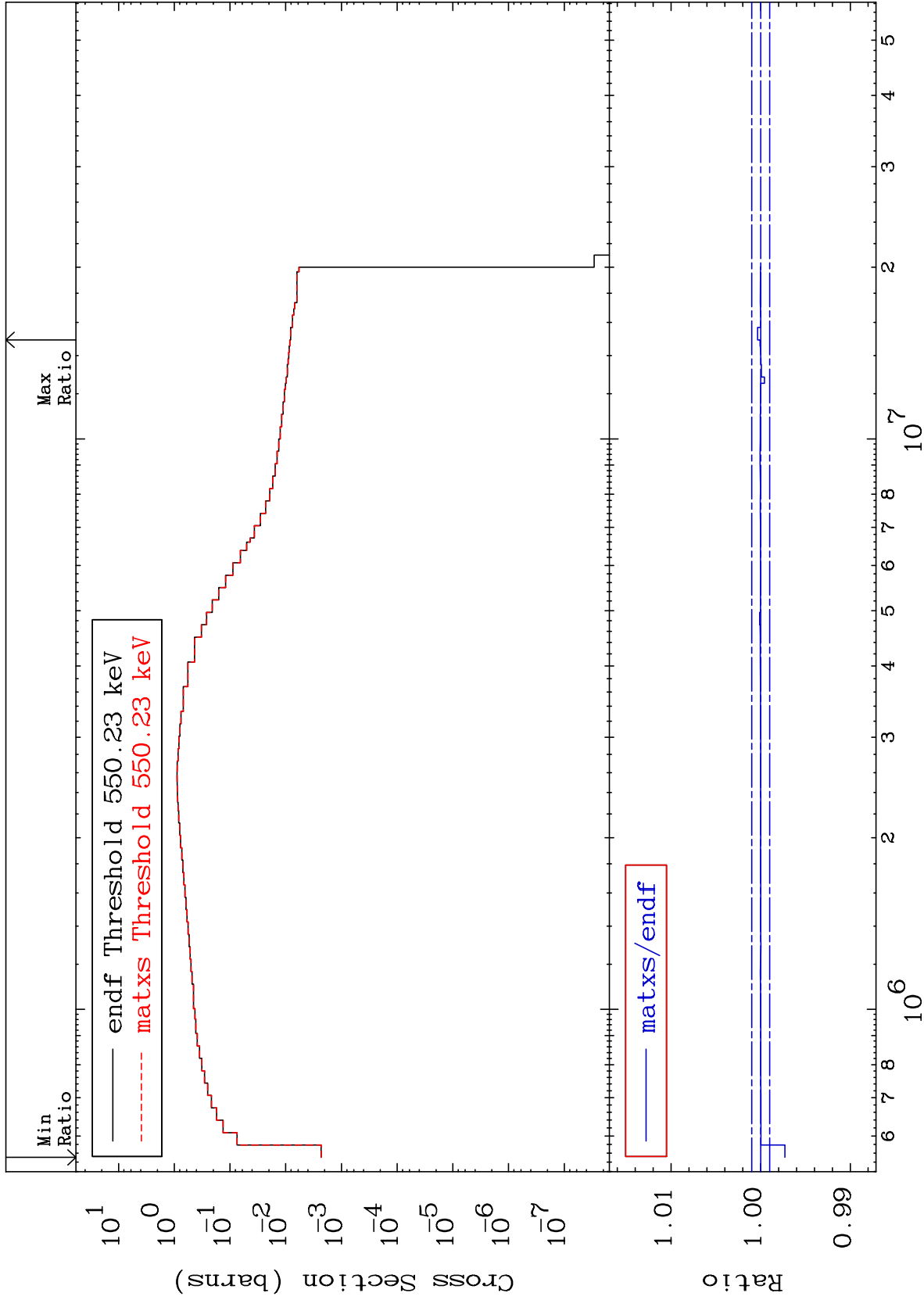
82-Pb-207
-1.252 To 1.230 %



MAT 8234

569.7 keV (n,n') Level
Cross Section

82-Pb-207
-0.272 To 0.034 %



4

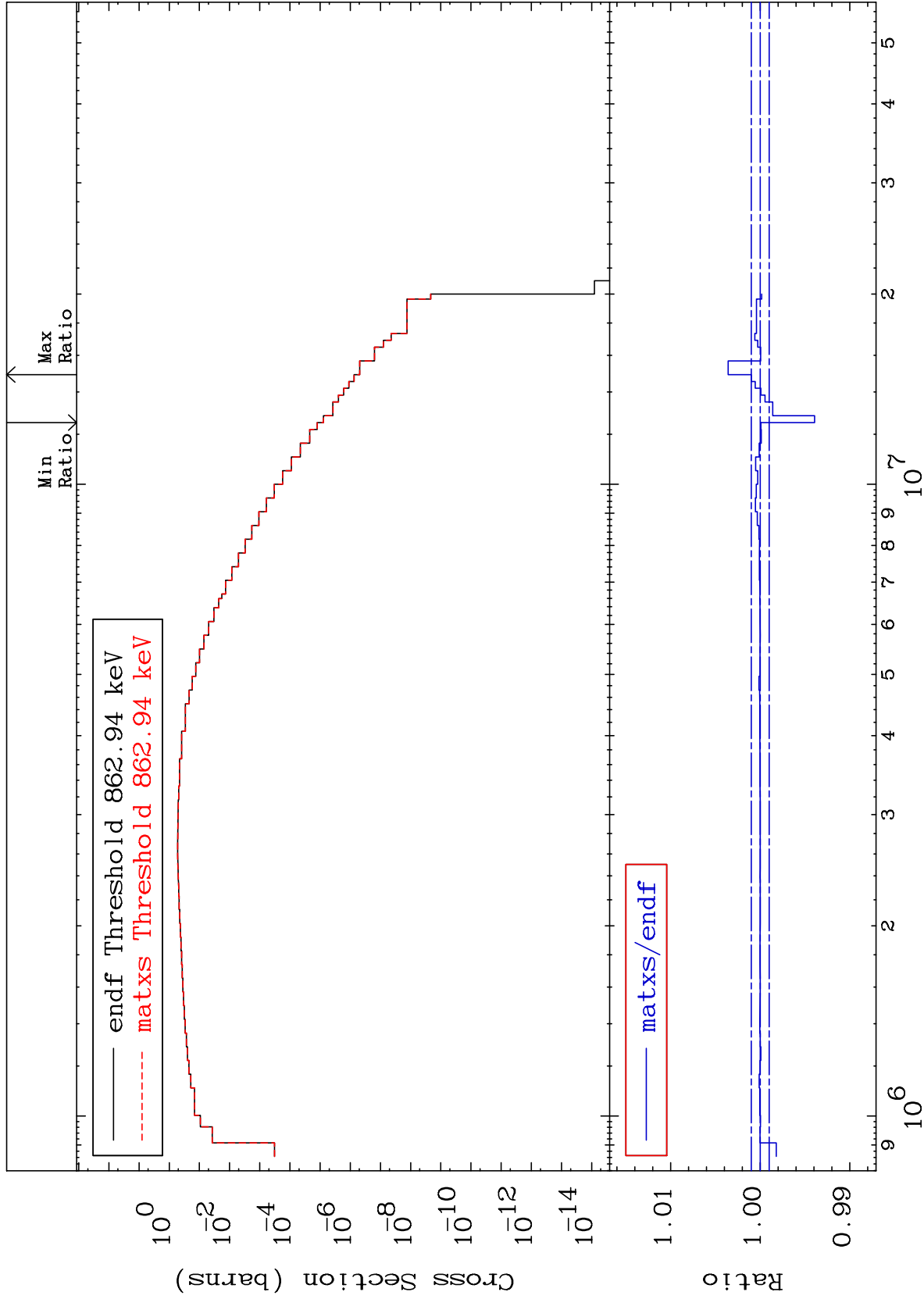
Incident Energy (eV)

82-Pb-207

MAT 8234

897.8 keV (n,n') Level
Cross Section

82-Pb-207
-0.608 To 0.357 %



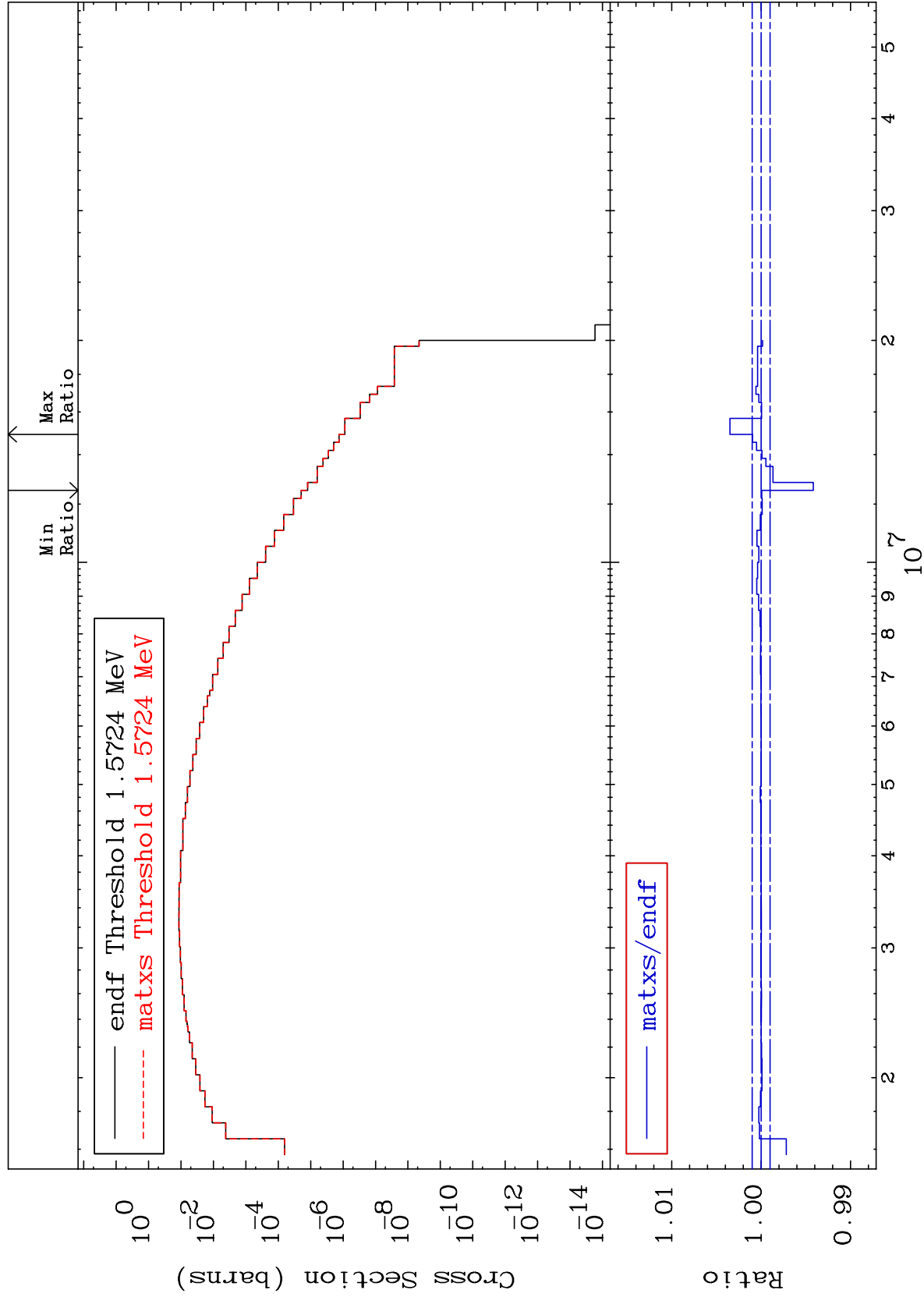
82-Pb-207

82-Pb-207

MAT 8234

1.633 MeV (n,n') Level
Cross Section

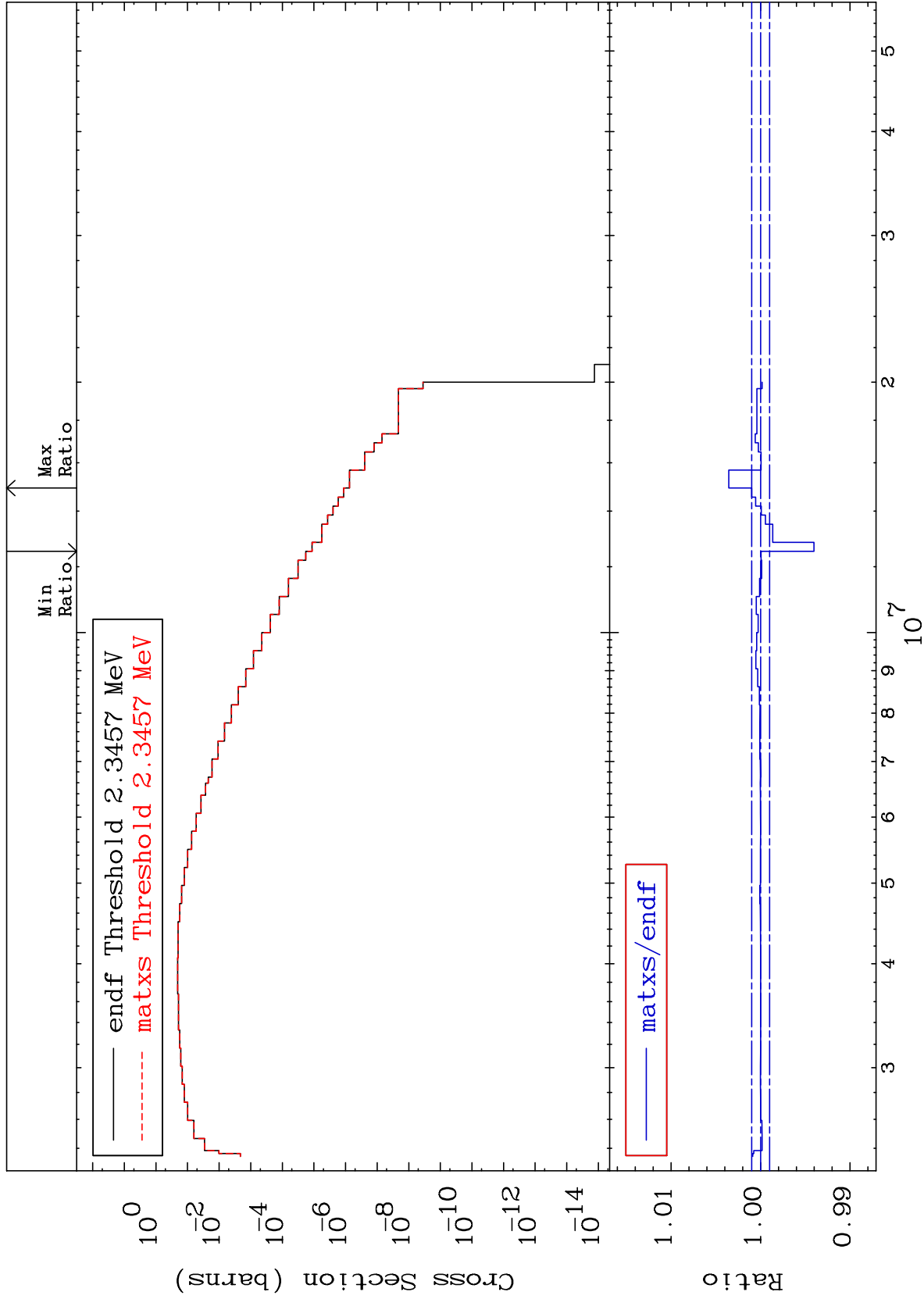
82-Pb-207
-0.583 To 0.349 %



MAT 8234

2.340 MeV (n,n') Level
Cross Section

82-Pb-207
-0.597 To 0.354 %



7

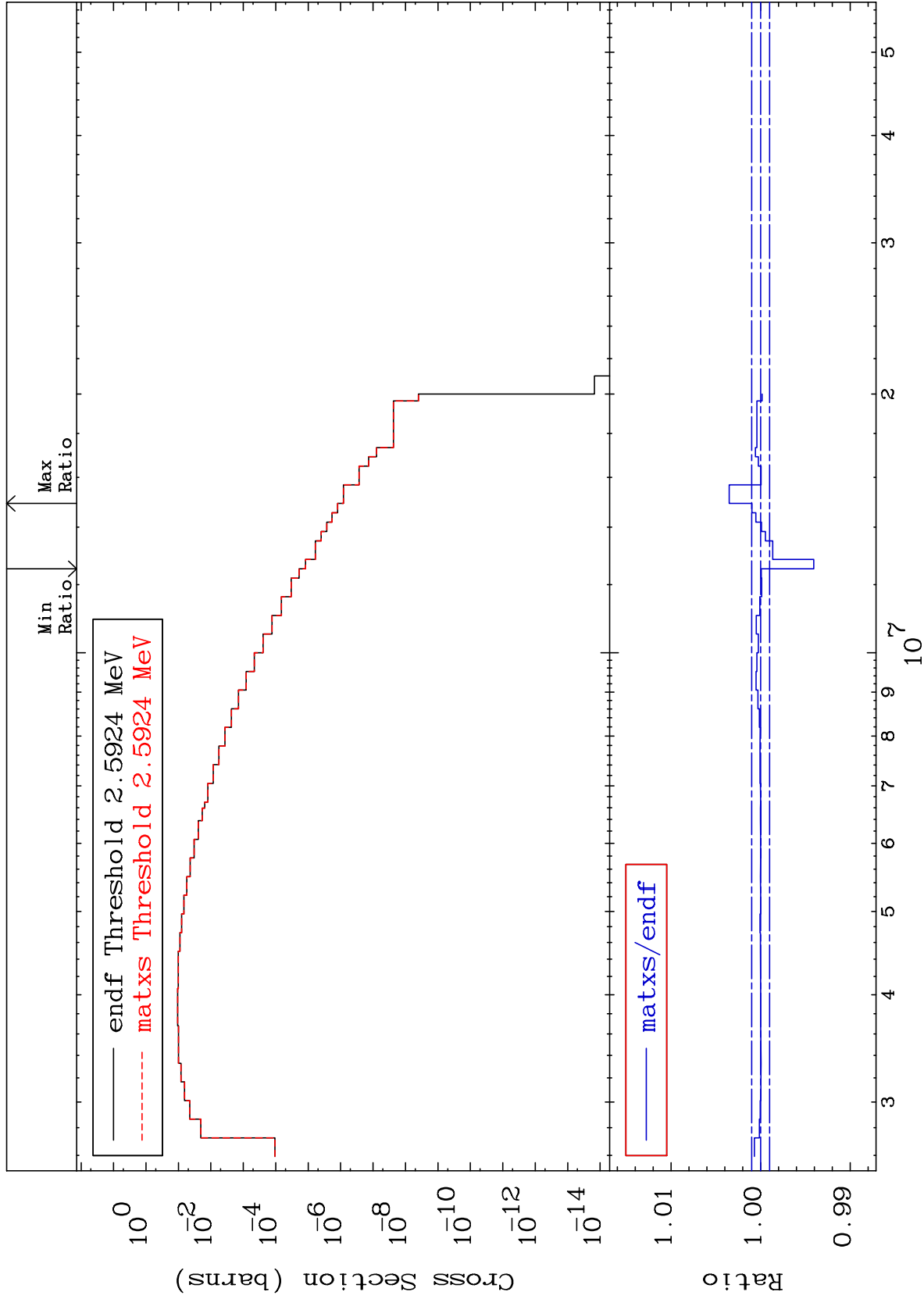
Incident Energy (eV)

82-Pb-207

MAT 8234

2.702 MeV (n,n') Level
Cross Section

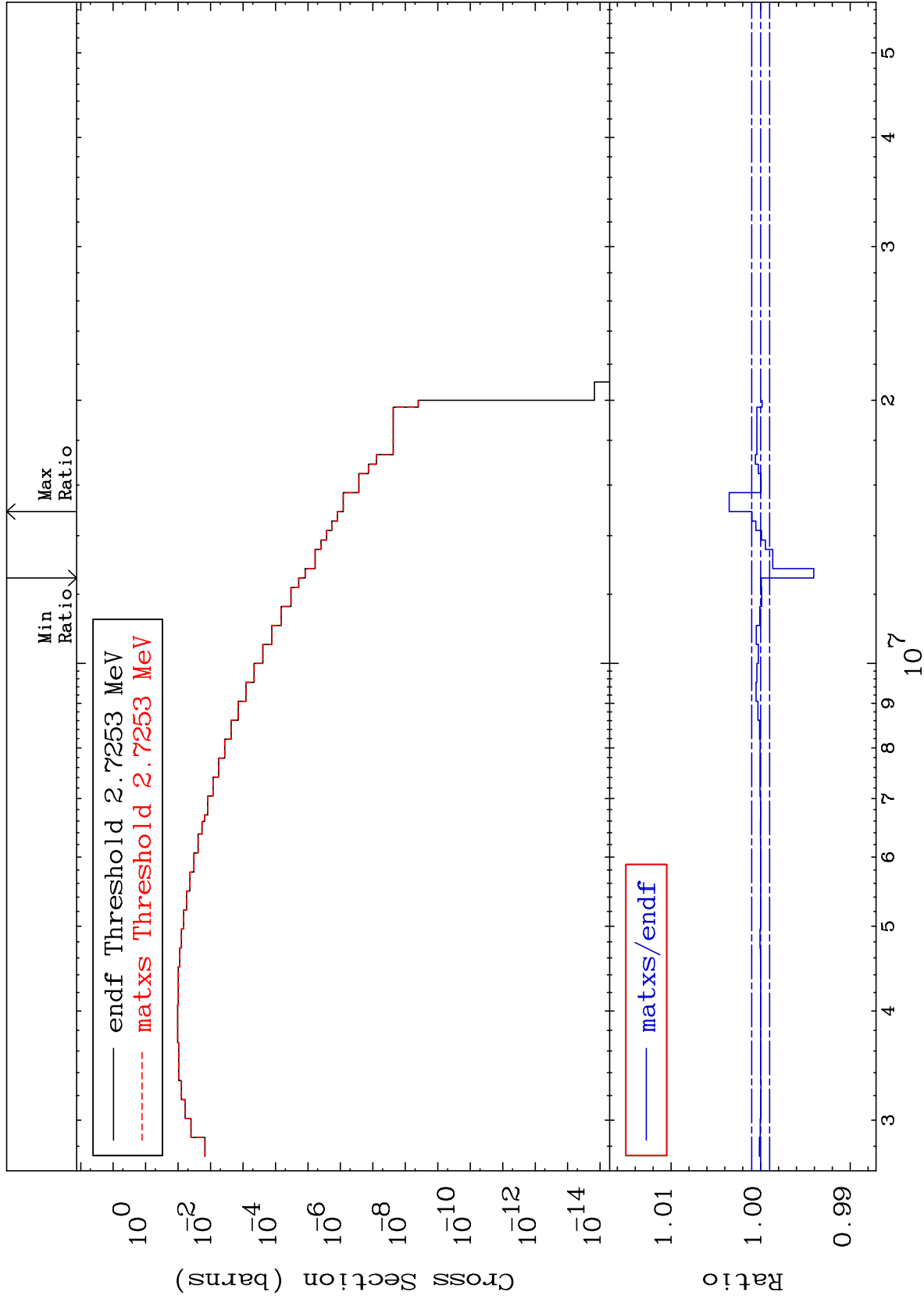
82-Pb-207
-0.592 To 0.352 %



MAT 8234

2.727 MeV (n,n') Level
Cross Section

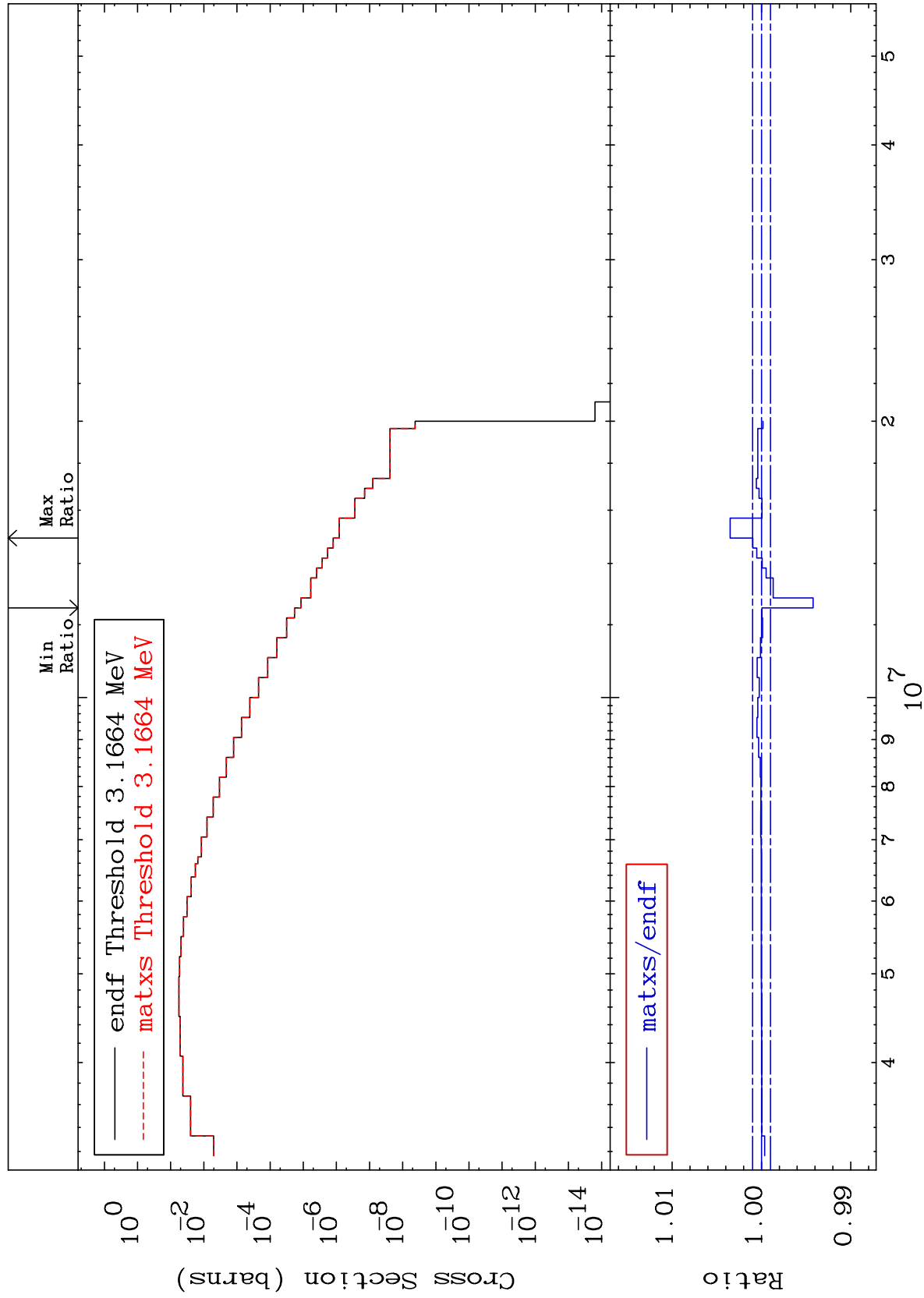
82-Pb-207
-0.592 To 0.352 %



MAT 8234

3.180 MeV (n,n') Level
Cross Section

82-Pb-207
-0.579 To 0.350 %



10

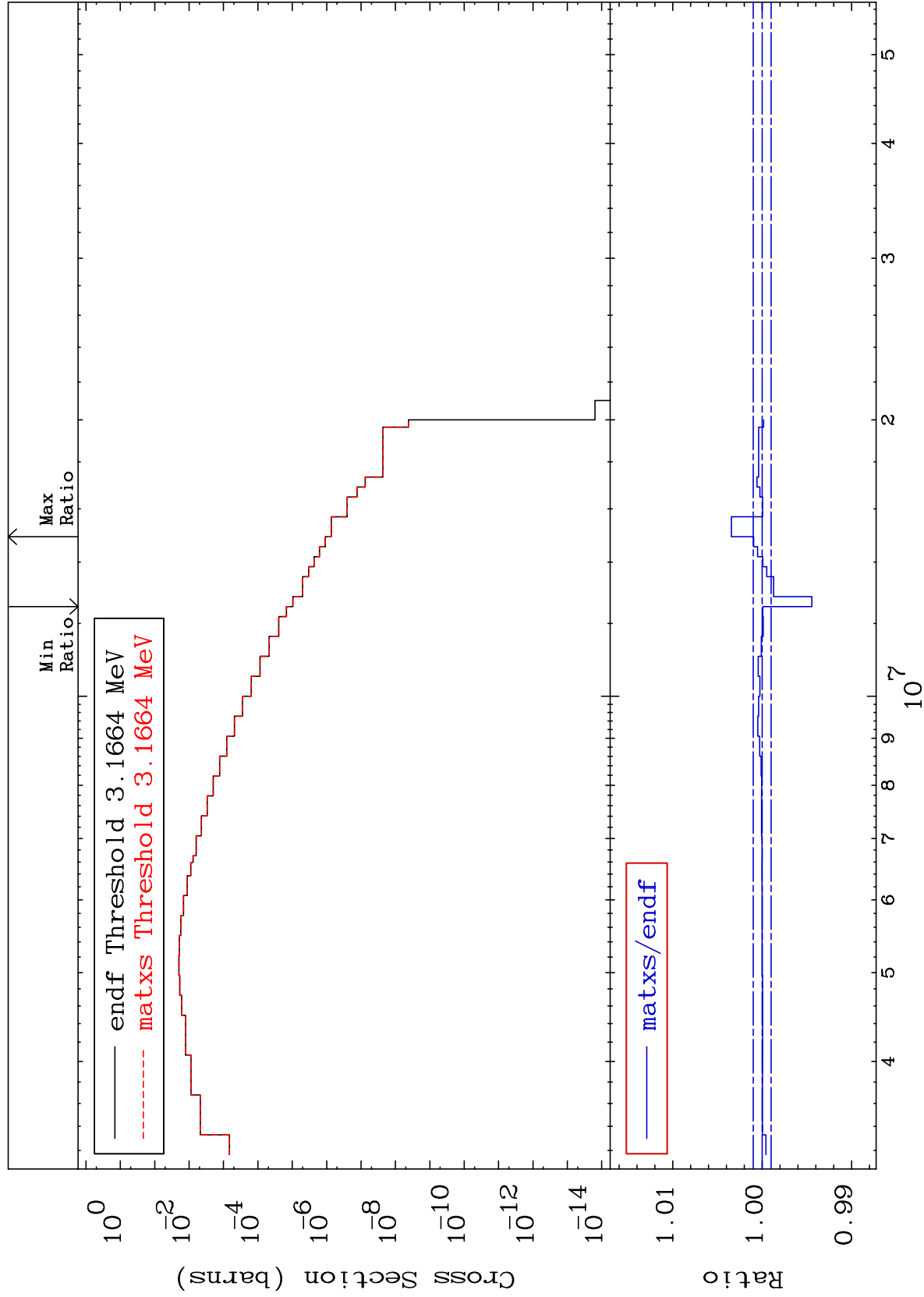
Incident Energy (eV)

82-Pb-207

MAT 8234

3.202 MeV (n,n') Level
Cross Section

82-Pb-207
-0.557 To 0.344 %



11

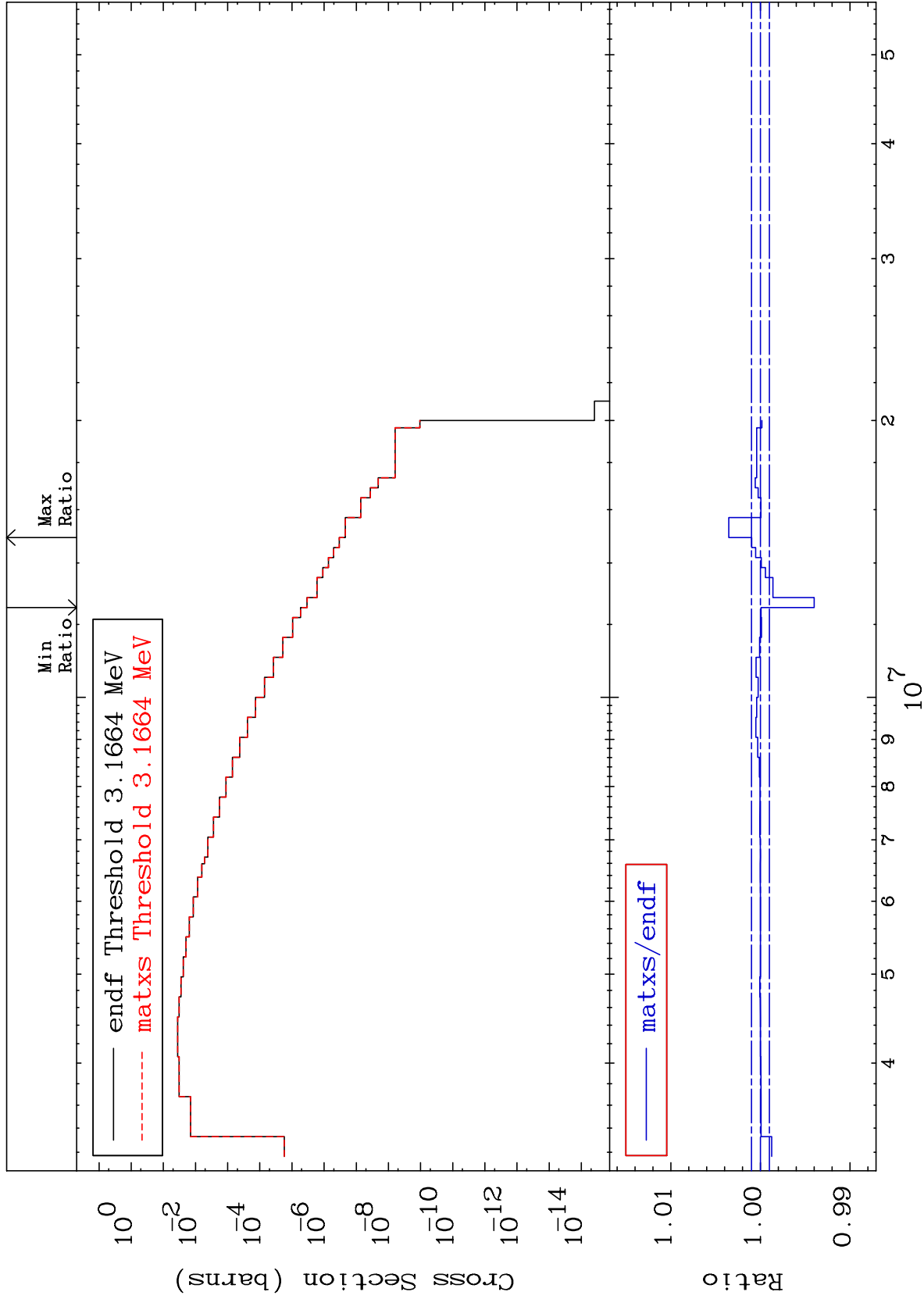
Incident Energy (eV)

82-Pb-207

MAT 8234

3.305 MeV (n,n') Level
Cross Section

82-Pb-207
-0.598 To 0.355 %



12

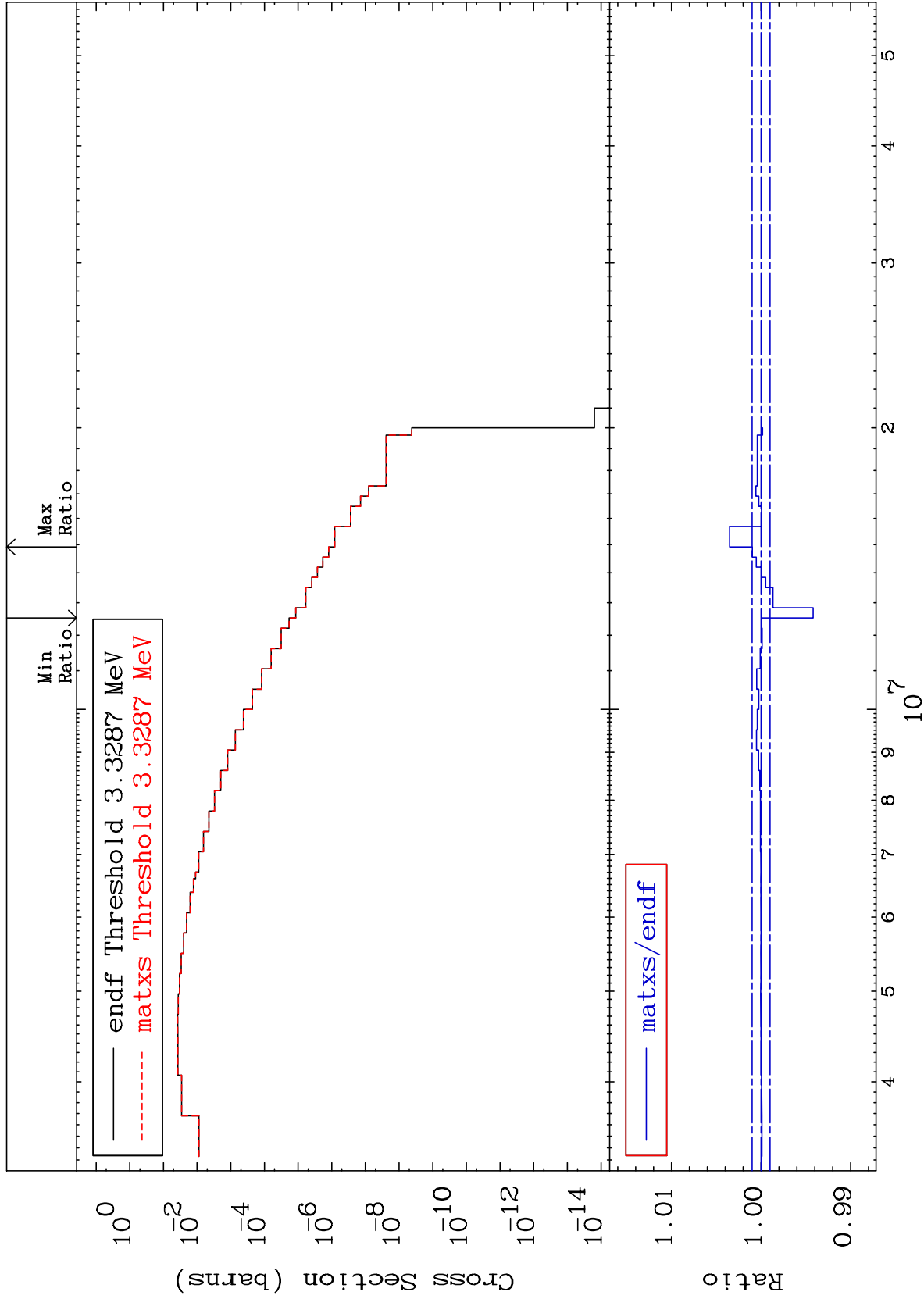
Incident Energy (eV)

82-Pb-207

MAT 8234

3.384 MeV (n,n') Level
Cross Section

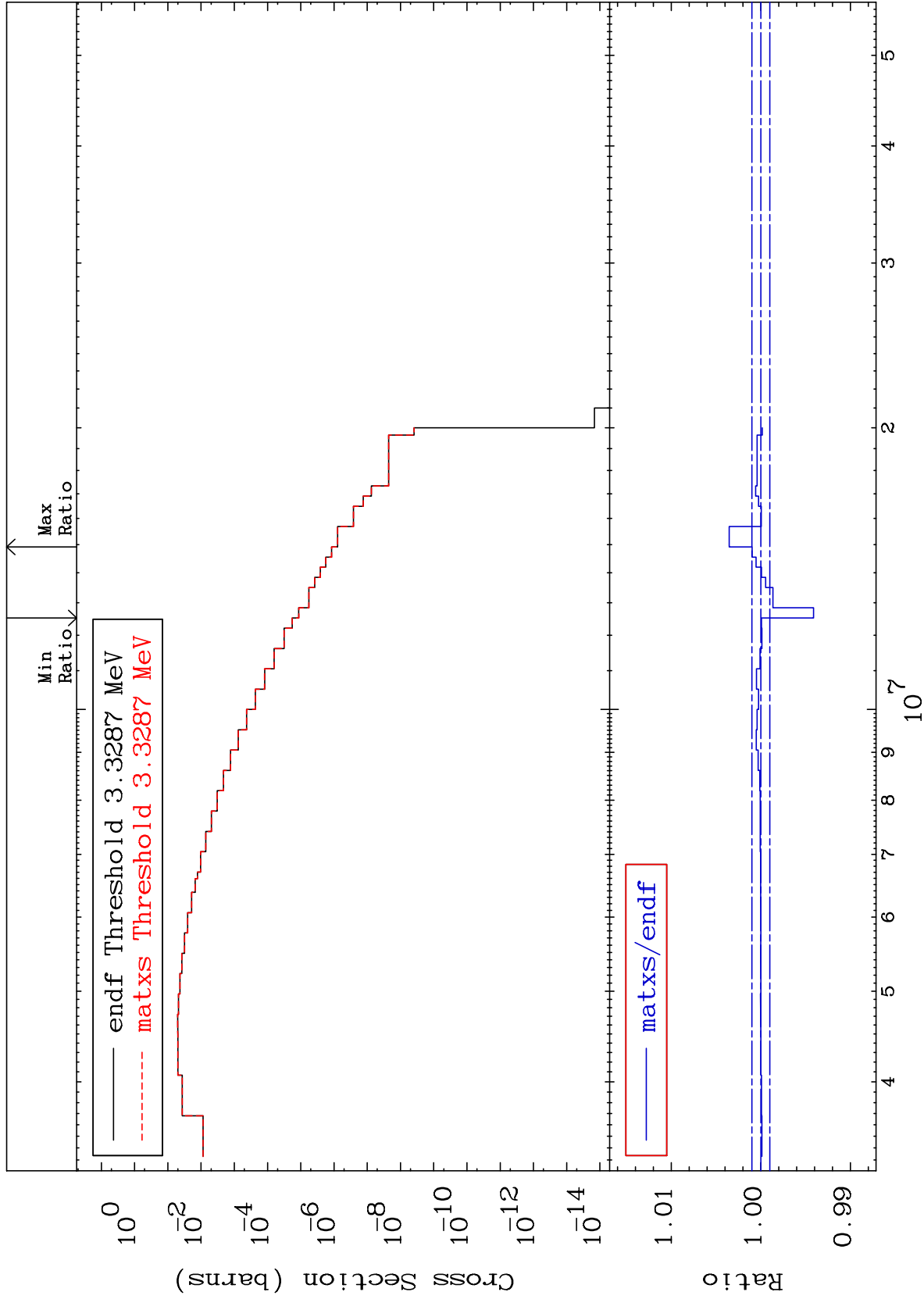
82-Pb-207
-0.583 To 0.350 %



MAT 8234

3.428 MeV (n,n') Level
Cross Section

82-Pb-207
-0.588 To 0.352 %



14

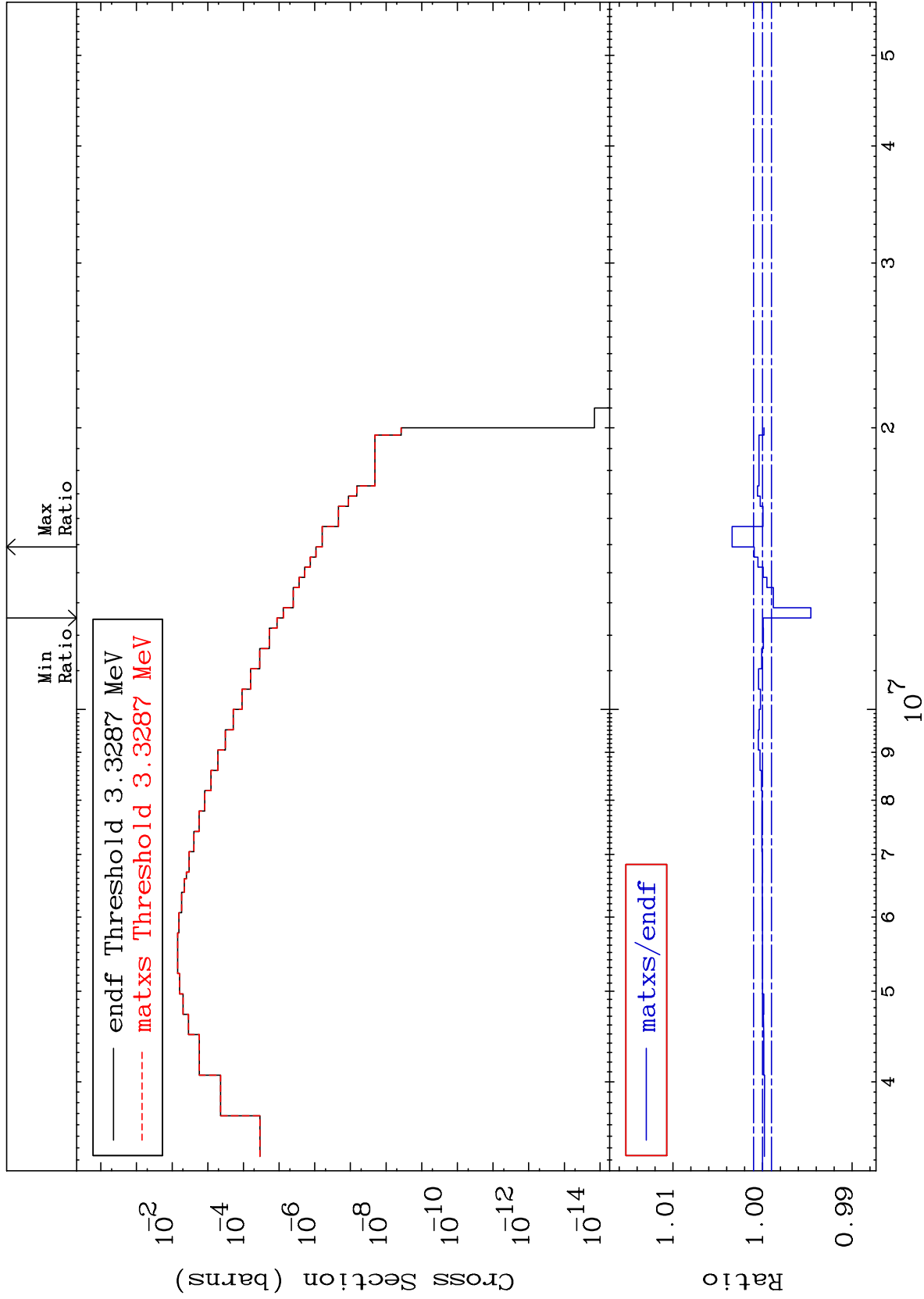
Incident Energy (eV)

82-Pb-207

MAT 8234

3.450 MeV (n,n') Level
Cross Section

82-Pb-207
-0.539 To 0.340 %



15

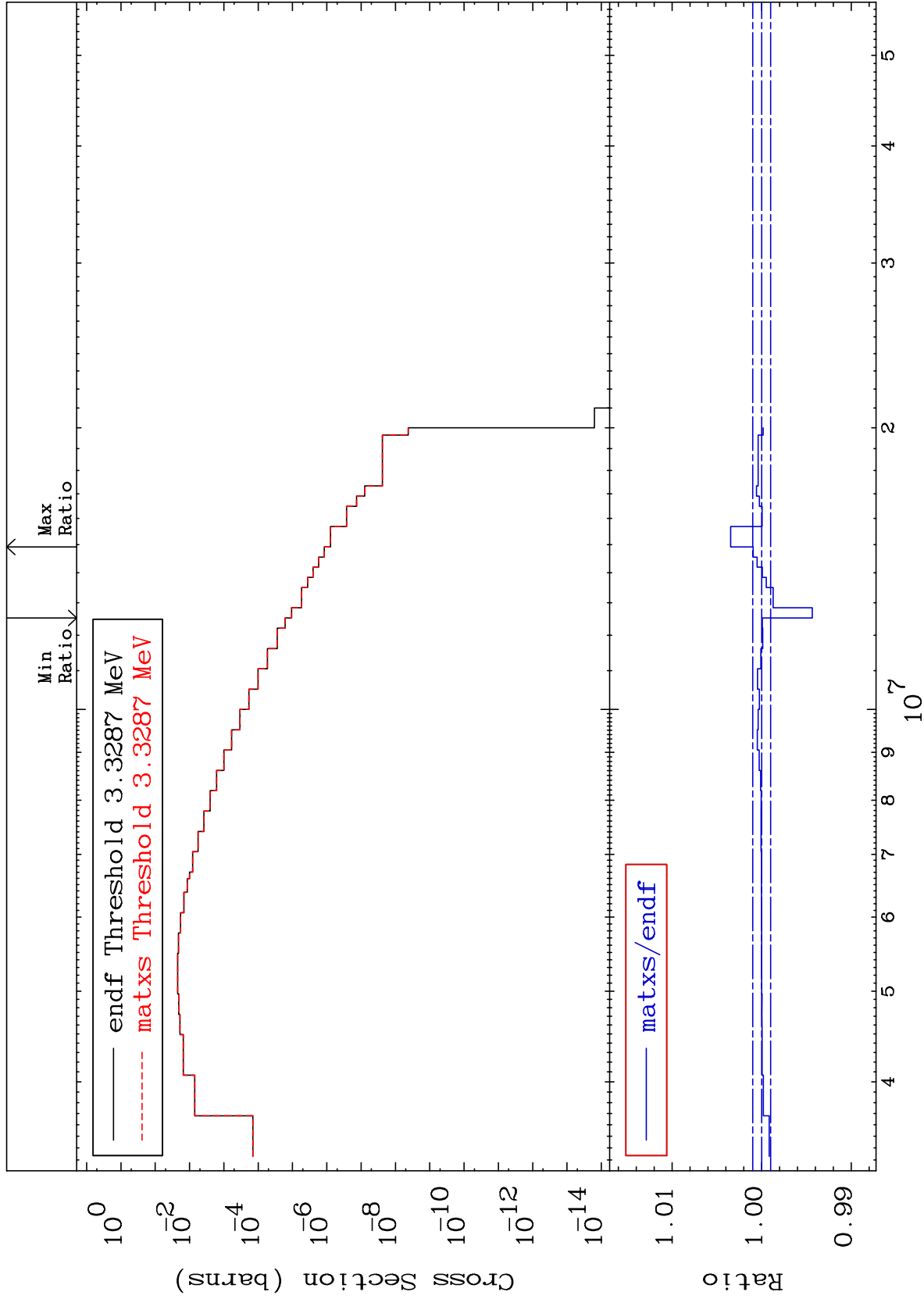
Incident Energy (eV)

82-Pb-207

MAT 8234

3.600 MeV (n,n') Level
Cross Section

82-Pb-207
-0.565 To 0.347 %



16

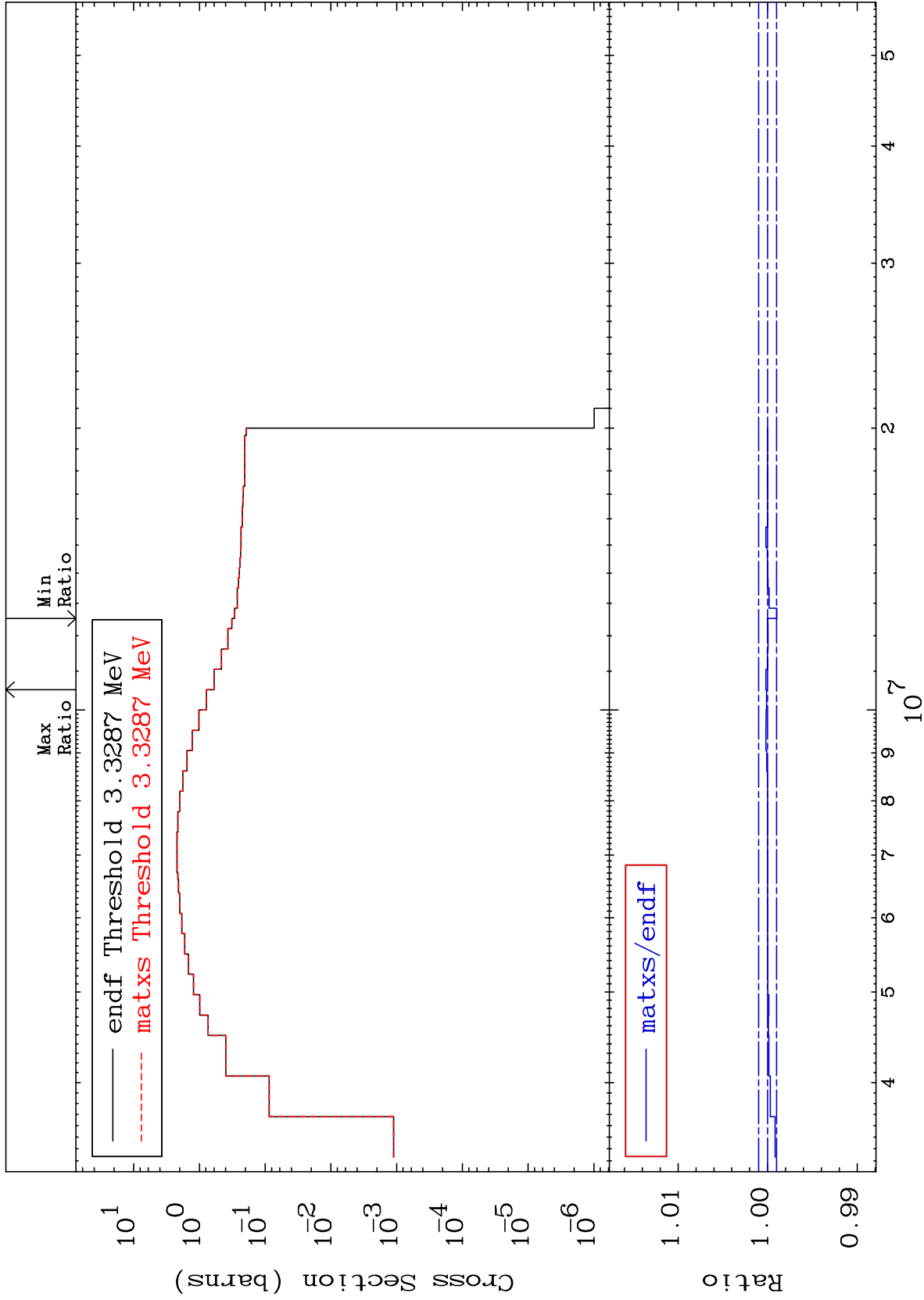
Incident Energy (eV)

82-Pb-207

MAT 8234

(n,n') Continuum
Cross Section

82-Pb-207
-0.101 To 0.020 %



17

Incident Energy (eV)

82-Pb-207

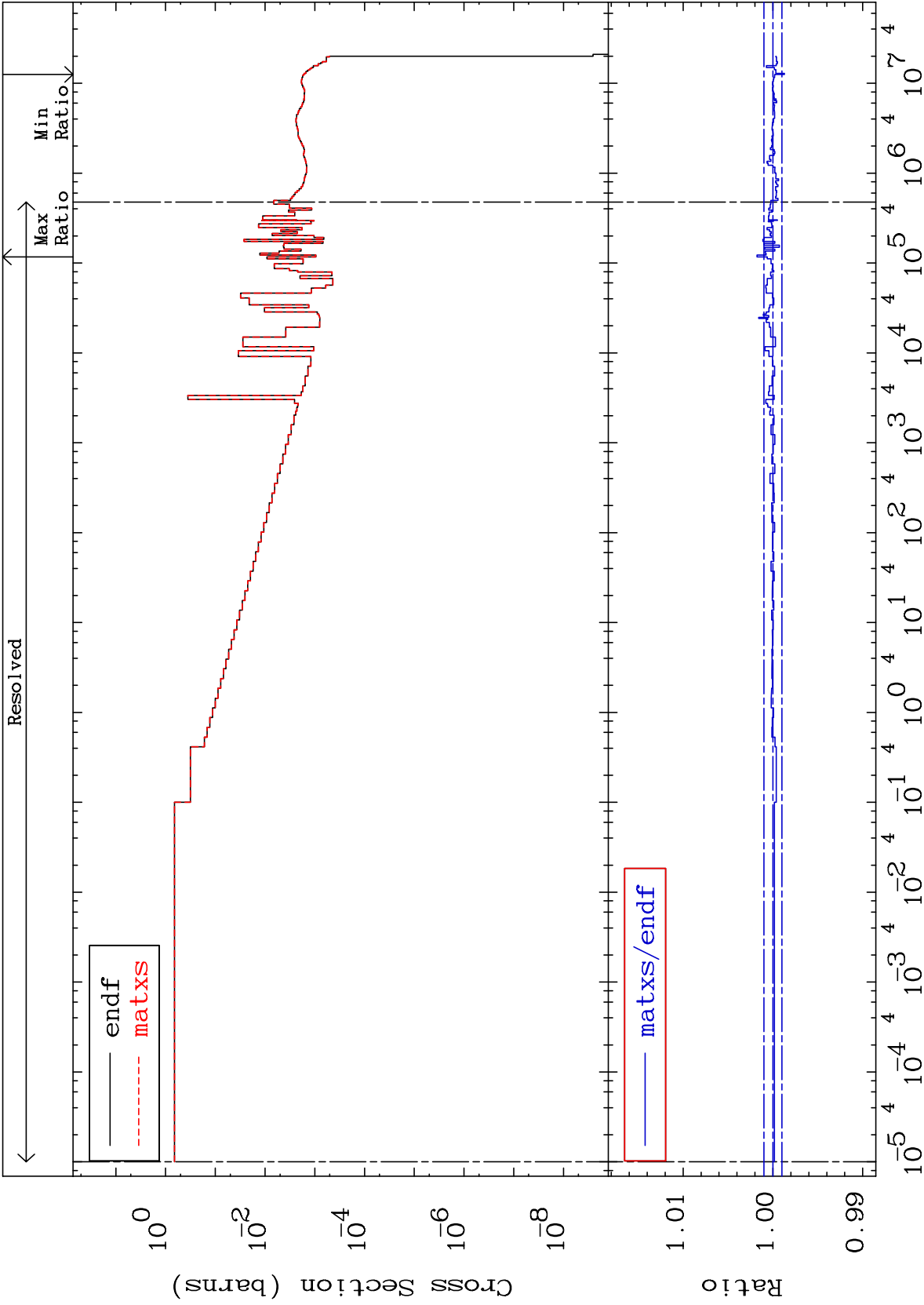
MAT 8234

(n, γ)

82-Pb-207

Cross Section

-0.129 To 0.178 %



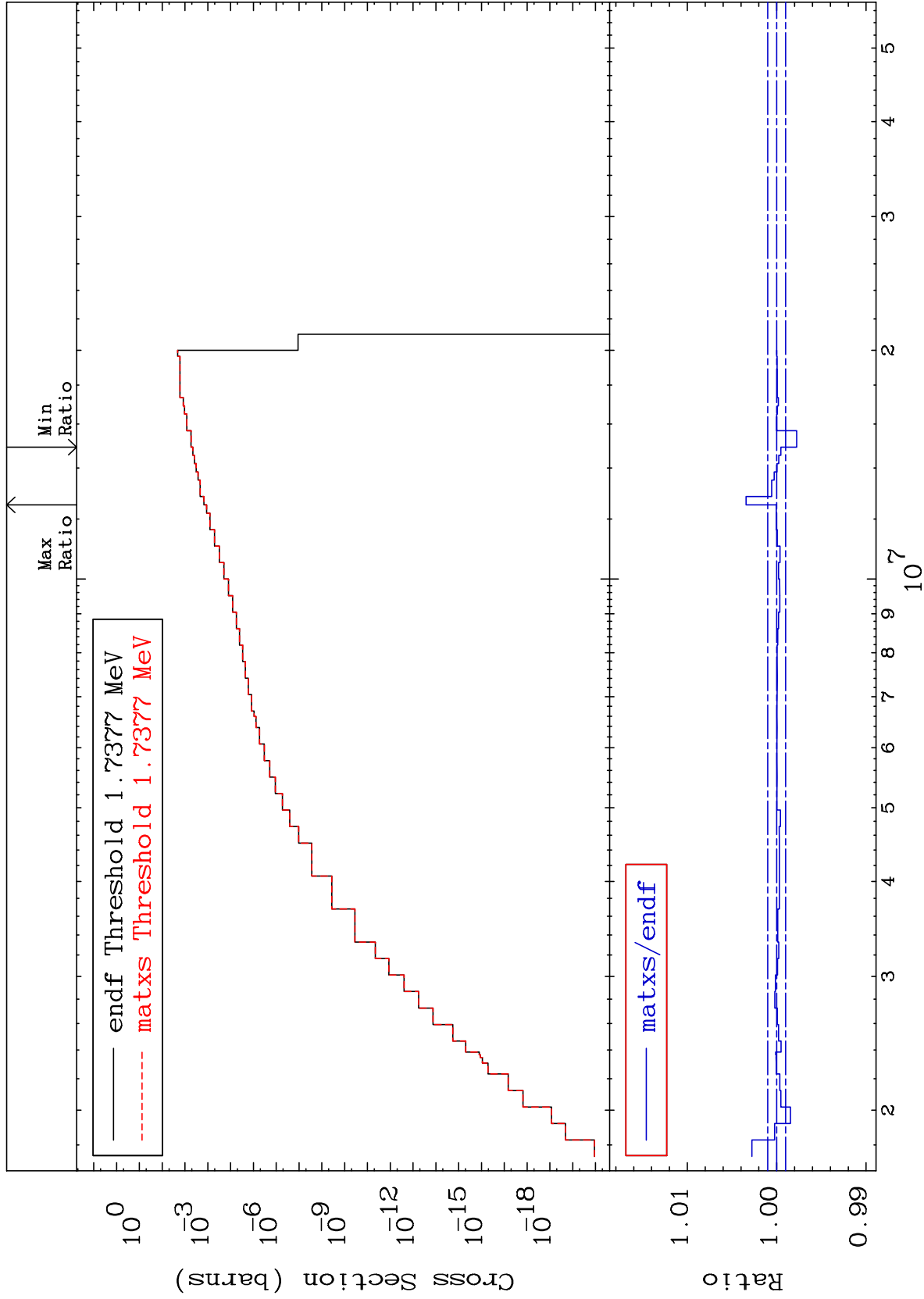
18

Incident Energy (eV)

82-Pb-207

MAT 8234

(n,p)
Cross Section
82-Pb-207
-0.223 To 0.342 %



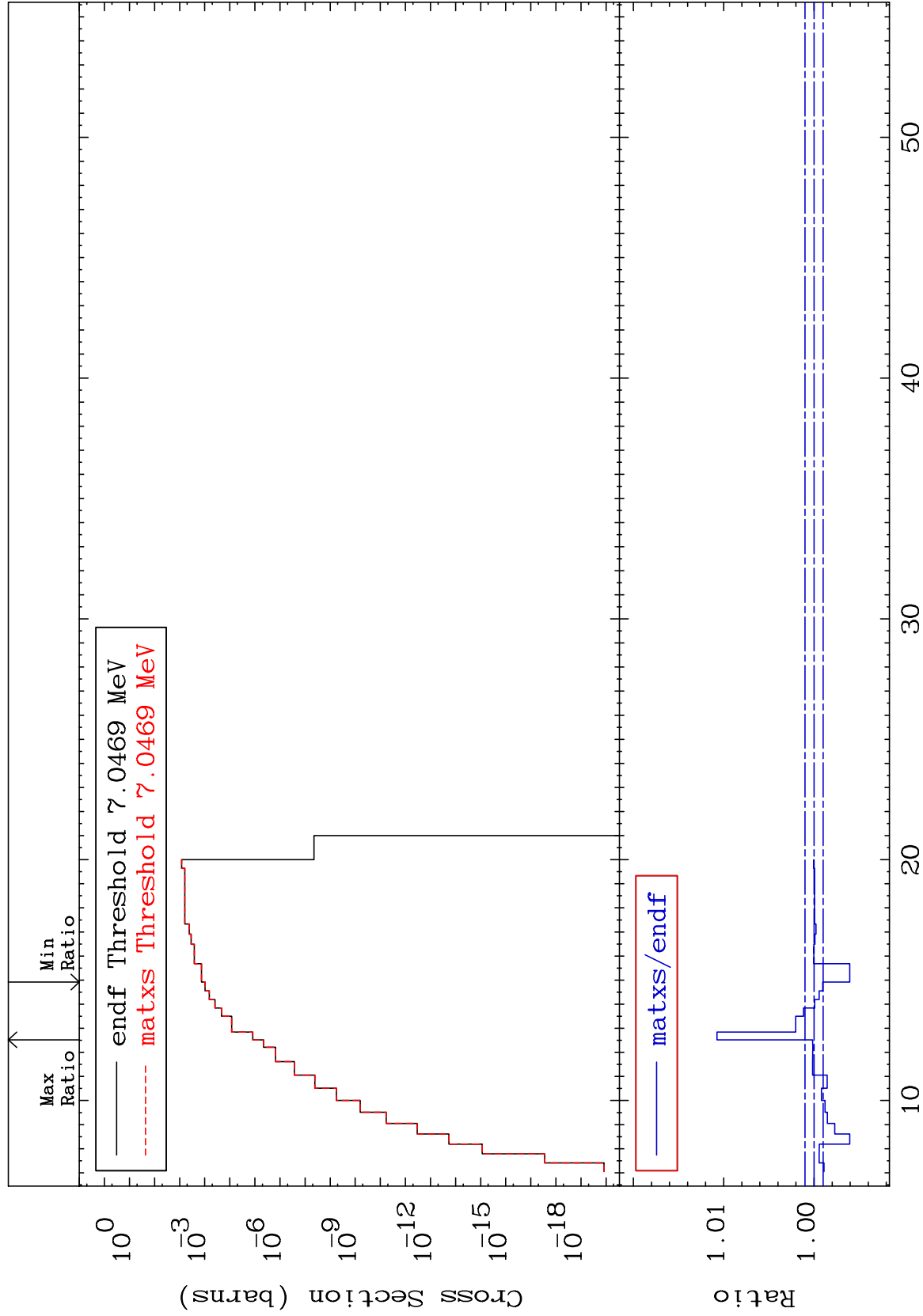
MAT 8234

(n, d)

82-Pb-207

Cross Section

-0.396 To 1.075 %



20

Incident Energy (MeV)

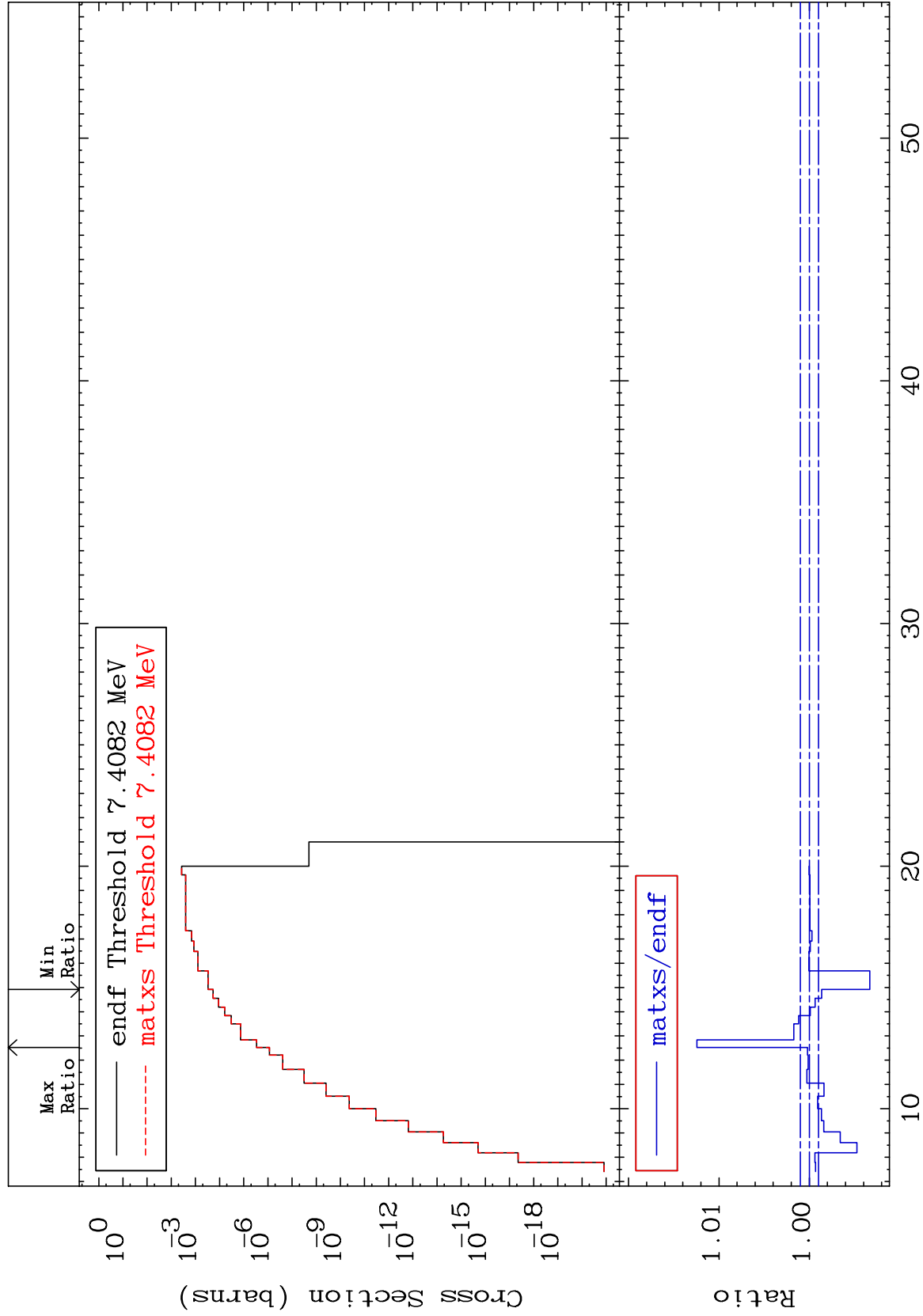
50

82-Pb-207

MAT 8234

(n, t)
Cross Section

82-Pb-207
-0.669 To 1.245 %



21

Incident Energy (MeV)

82-Pb-207

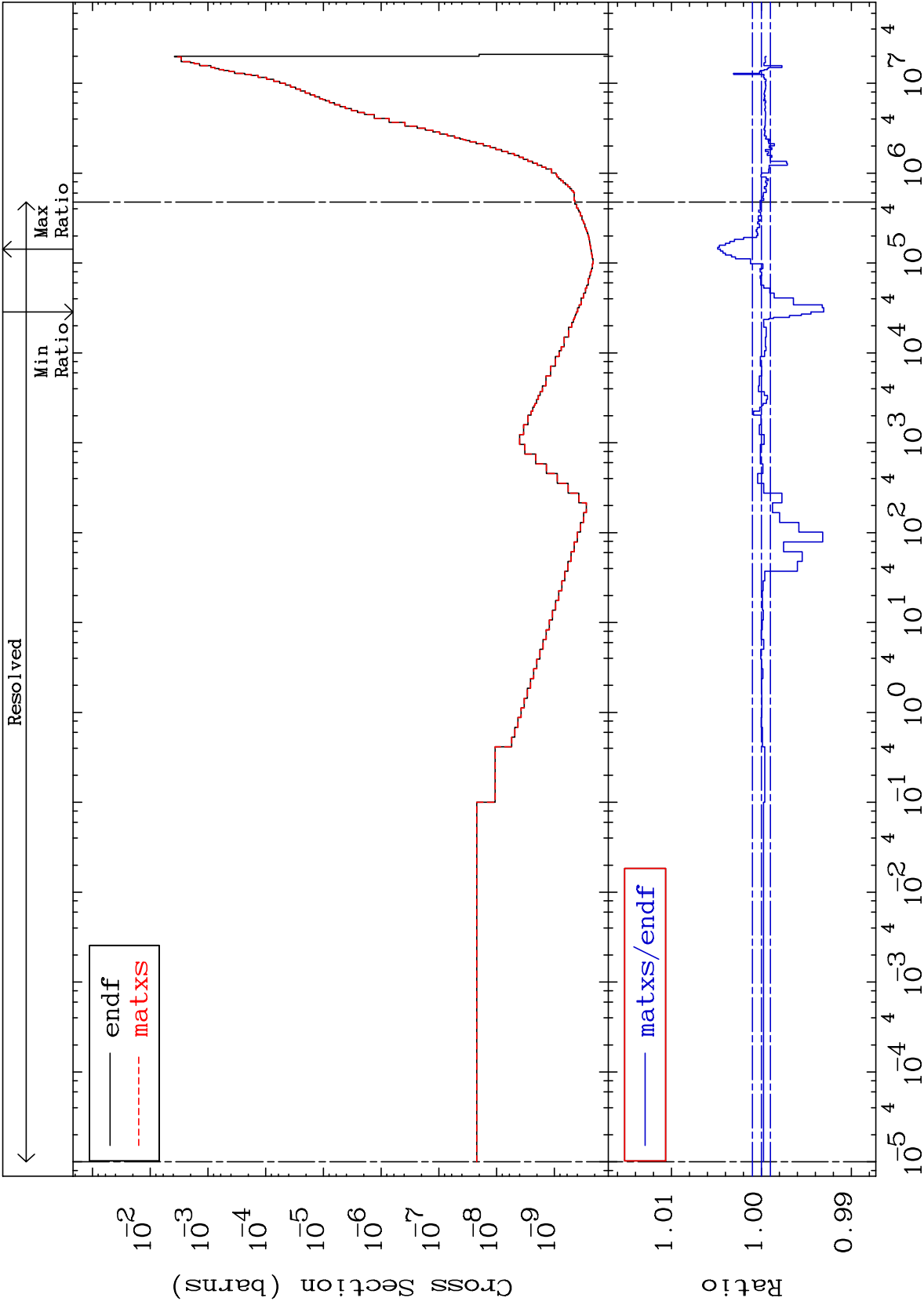
MAT 8234

(n, α)

82-Pb-207

Cross Section

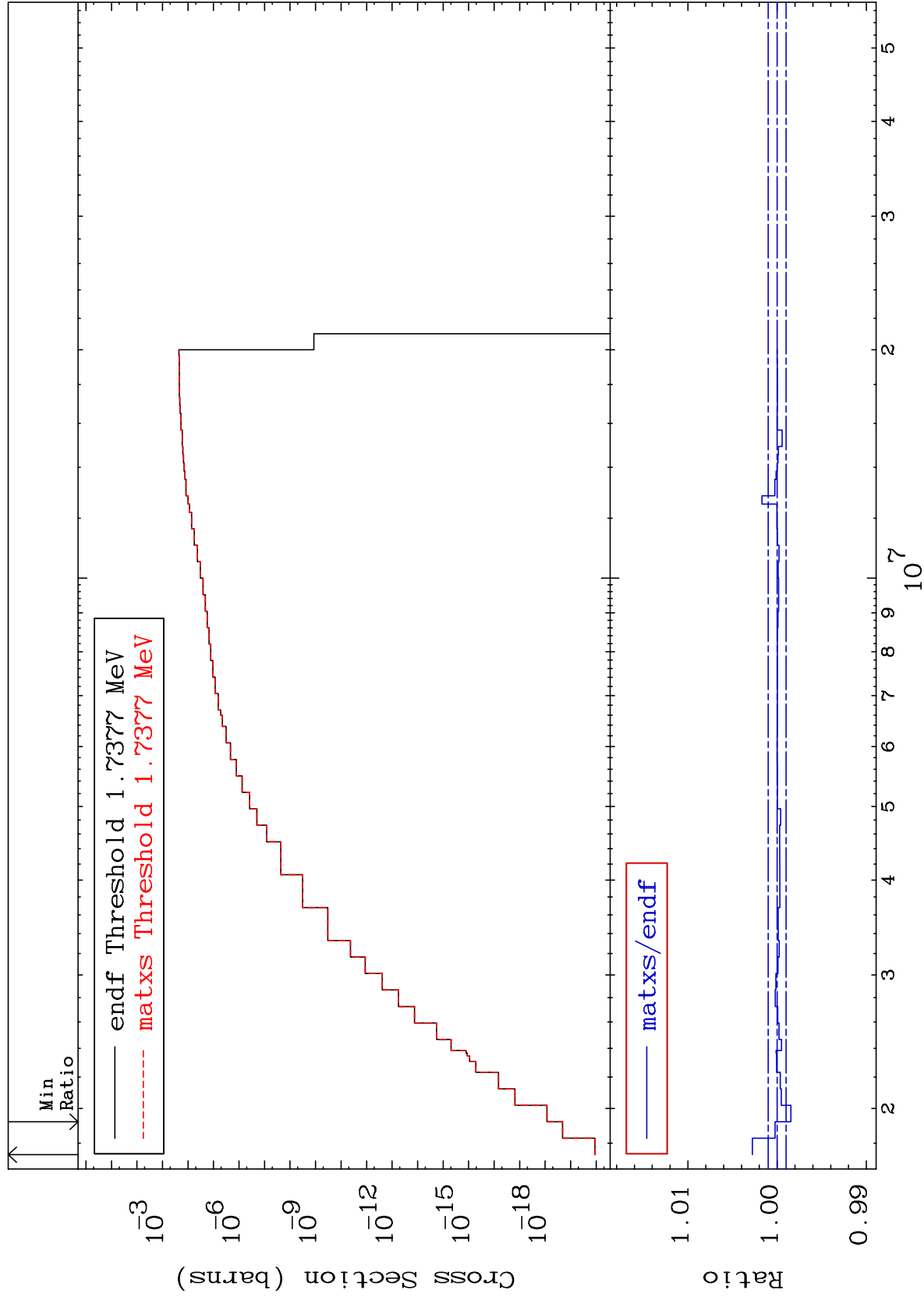
-0.694 To 0.485 %



MAT 8234

(n, p') Ground
Cross Section

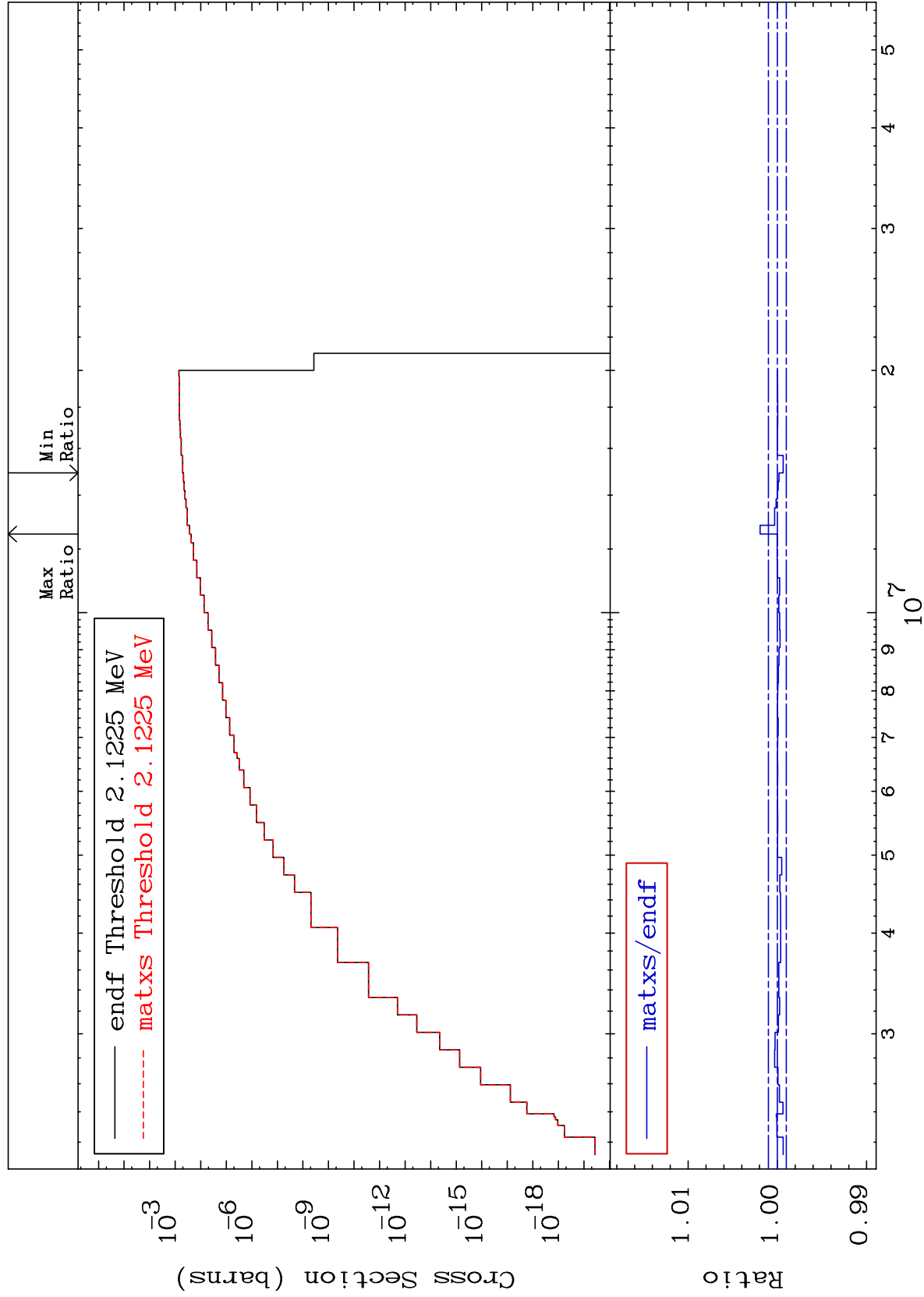
82-Pb-207
-0.153 To 0.277 %



MAT 8234

351.1 keV (n,p') Level
Cross Section

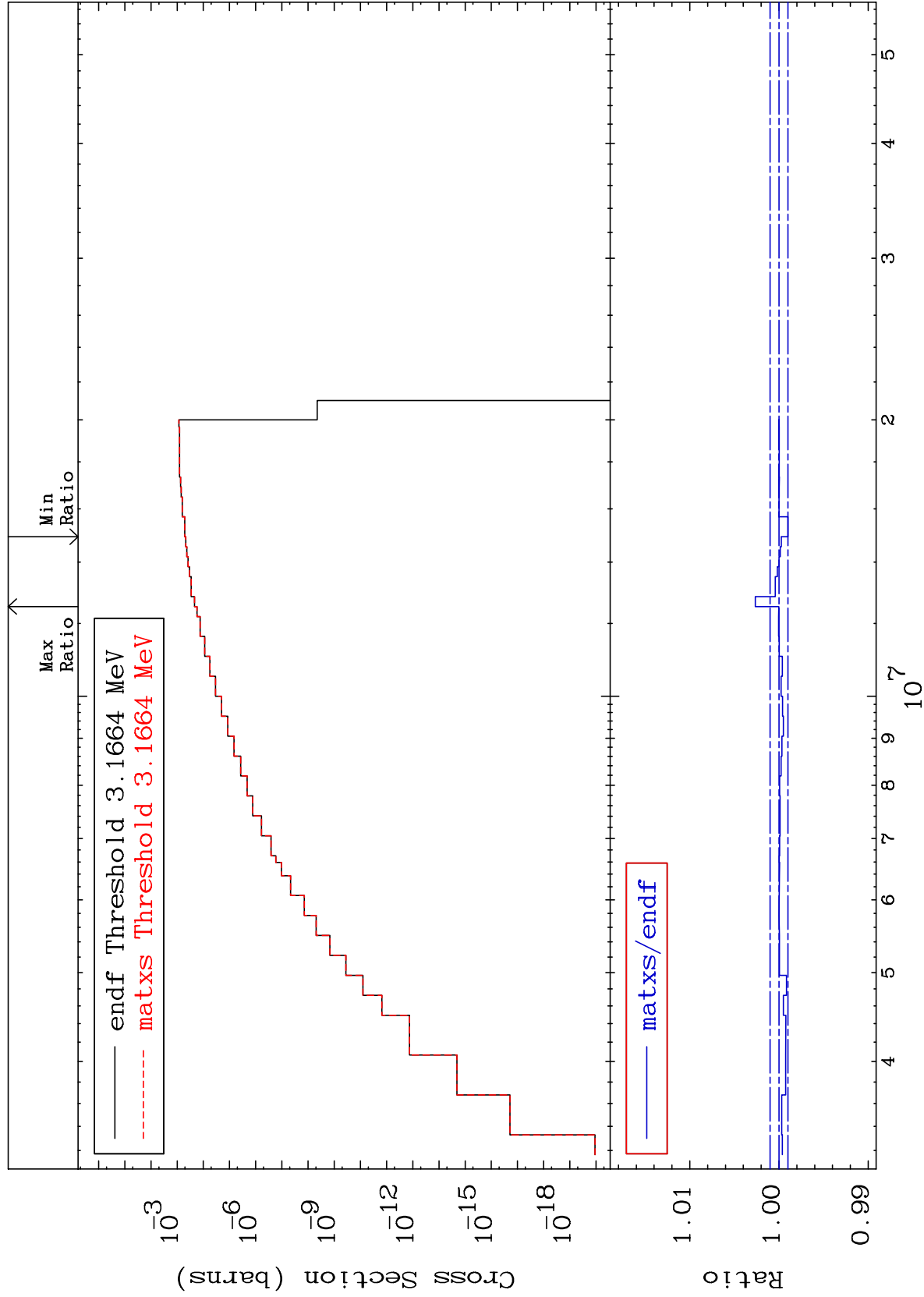
82-Pb-207
-0.065 To 0.194 %



MAT 8234

1.348 MeV (n,p') Level
Cross Section

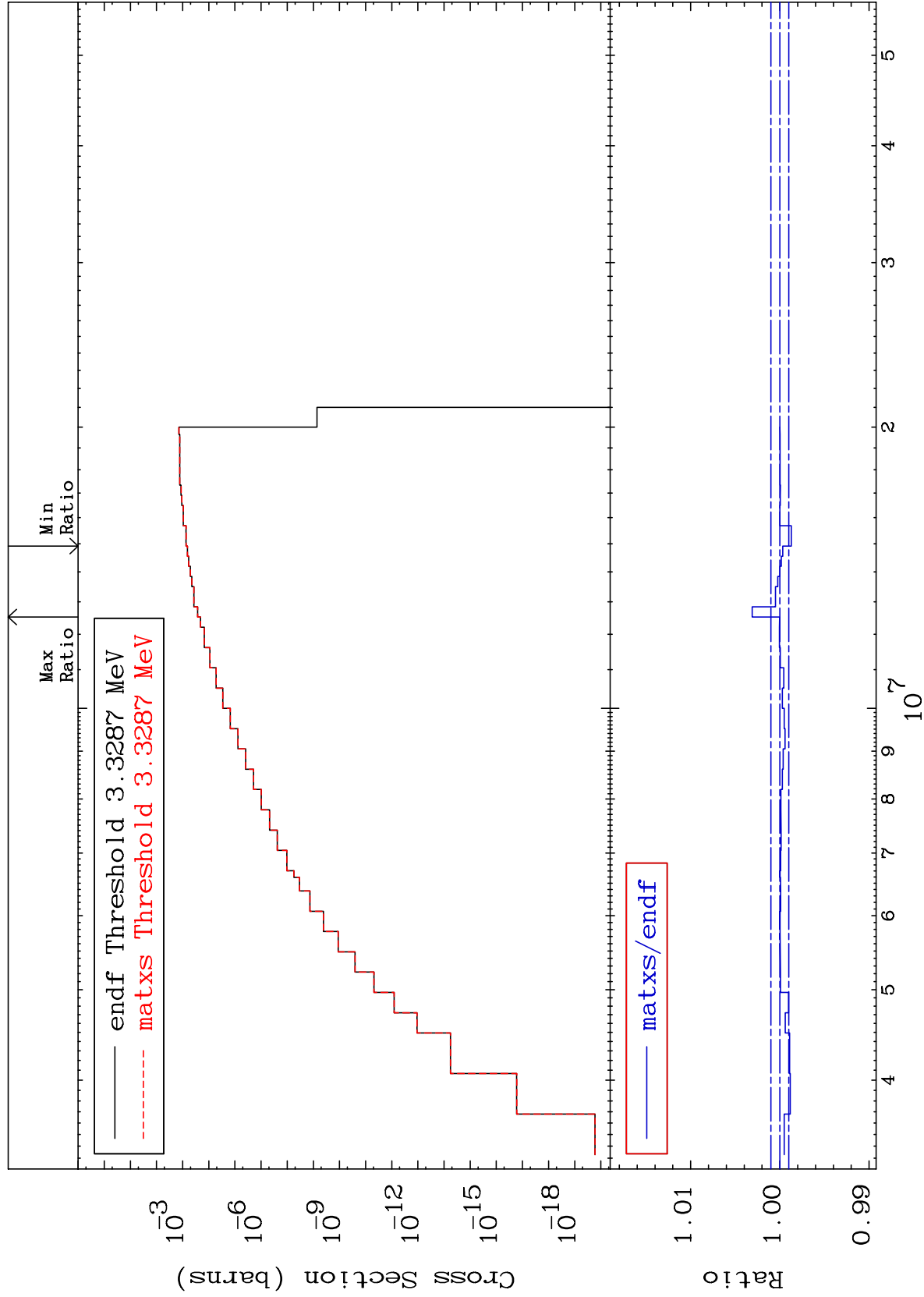
82-Pb-207
-0.101 To 0.266 %



MAT 8234

1.683 MeV (n,p') Level
Cross Section

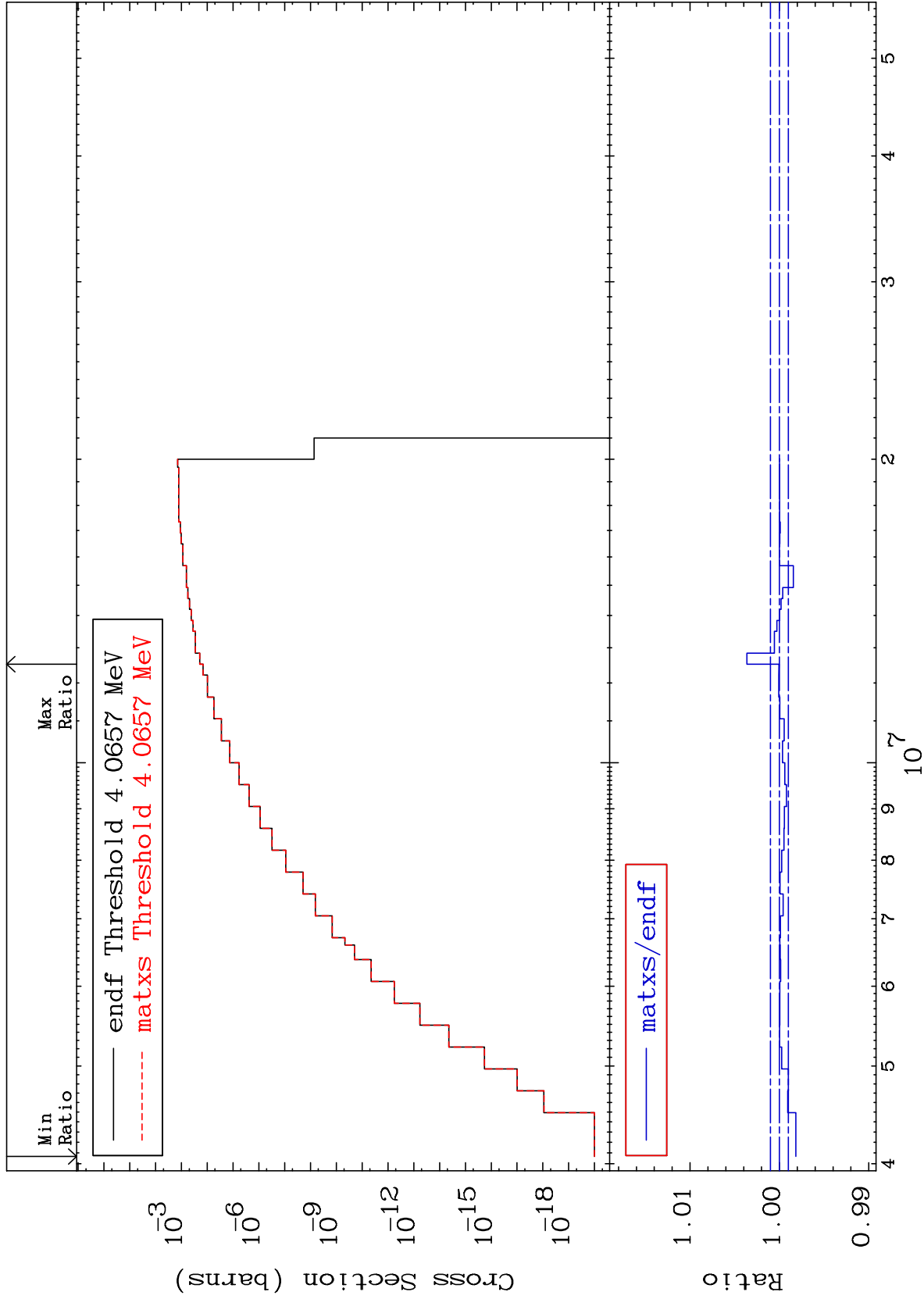
82-Pb-207
-0.127 To 0.311 %



MAT 8234

2.675 MeV (n,p') Level
Cross Section

82-Pb-207
-0.184 To 0.363 %



27

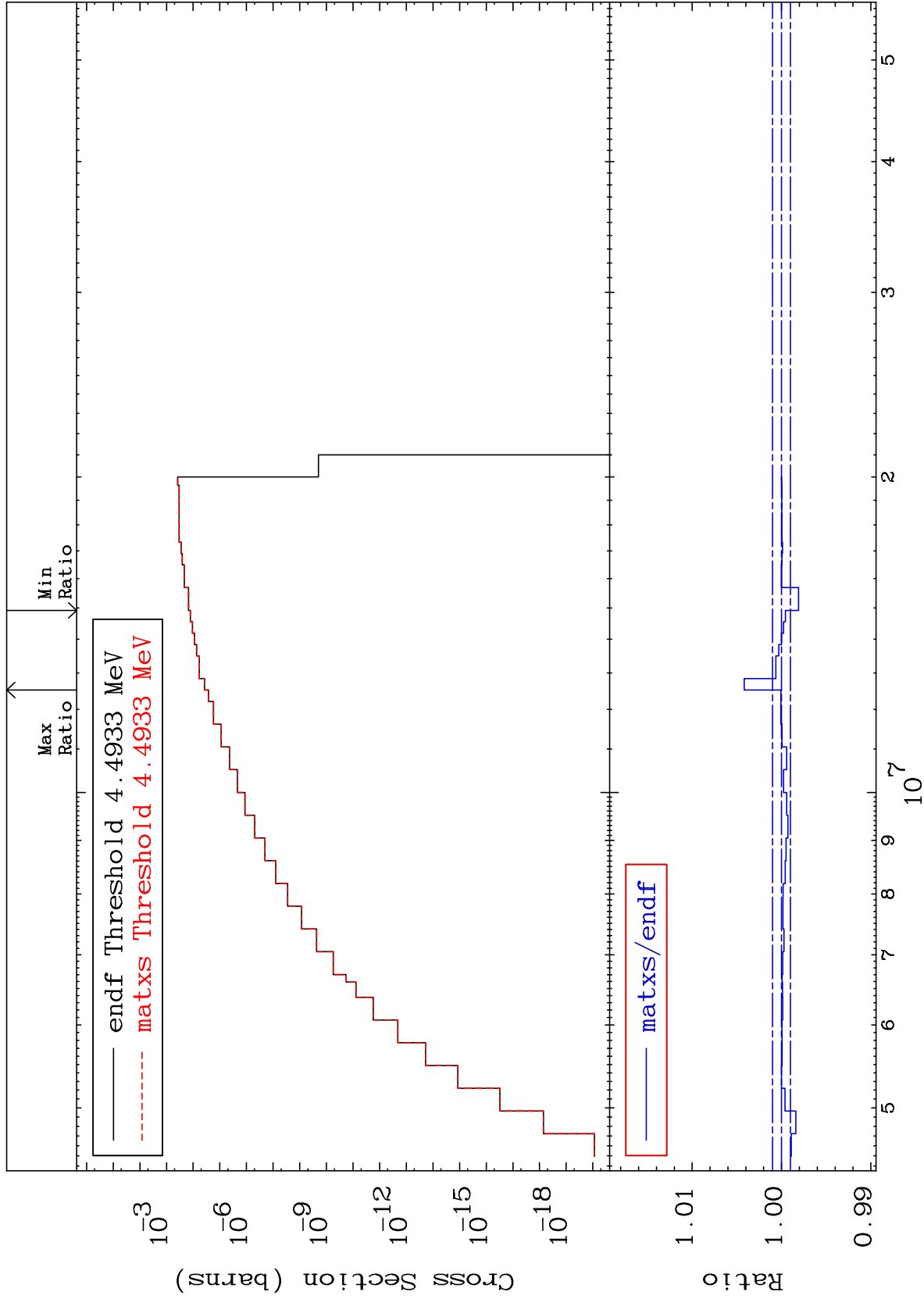
Incident Energy (eV)

82-Pb-207

MAT 8234

2.709 MeV (n,p') Level
Cross Section

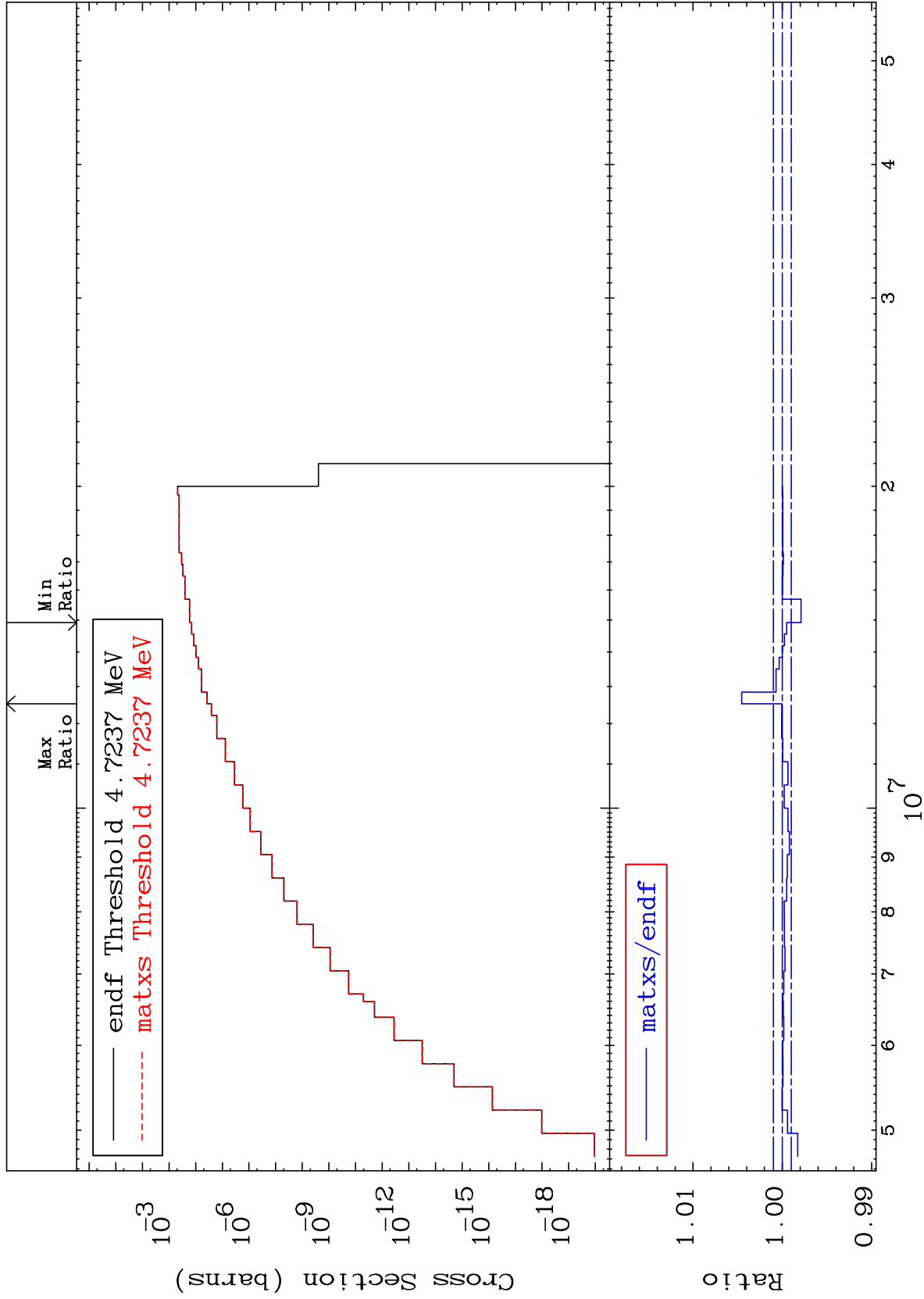
82-Pb-207
-0.190 To 0.417 %



MAT 8234

2.912 MeV (n,p') Level
Cross Section

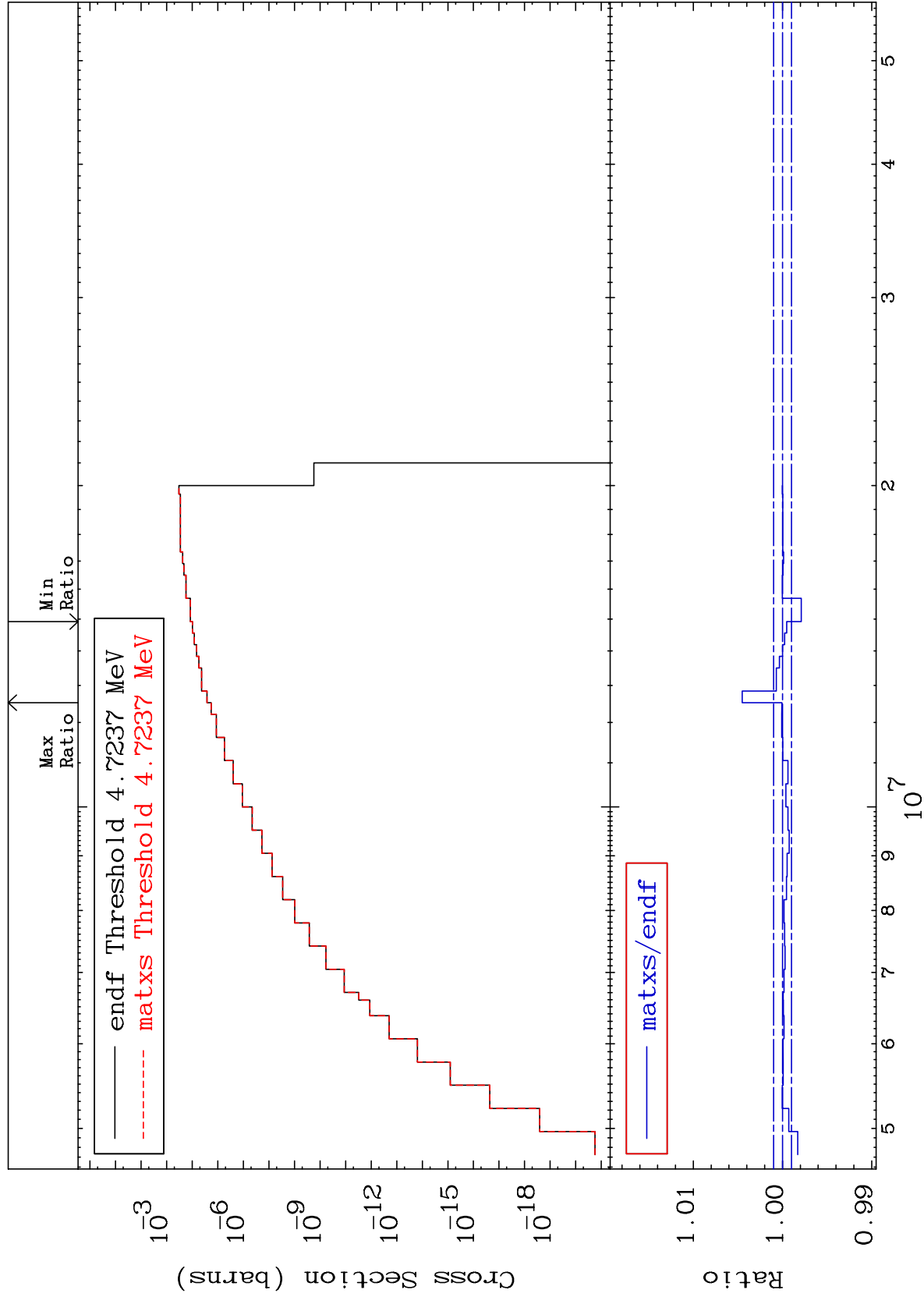
82-Pb-207
-0.210 To 0.455 %



MAT 8234

2.985 MeV (n,p') Level
Cross Section

82-Pb-207
-0.210 To 0.453 %



30

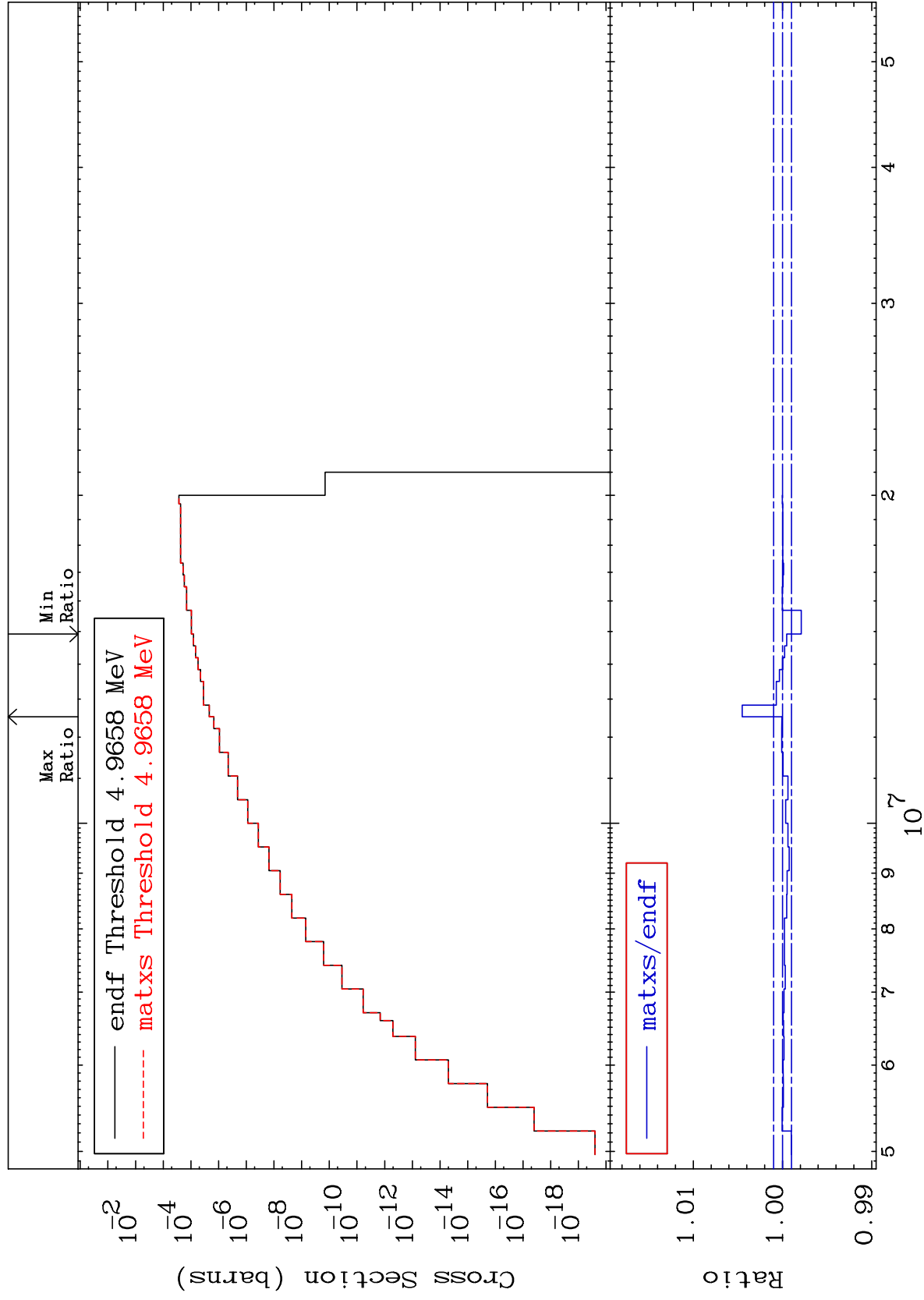
Incident Energy (eV)

82-Pb-207

MAT 8234

3.104 MeV (n,p') Level
Cross Section

82-Pb-207
-0.210 To 0.453 %



31

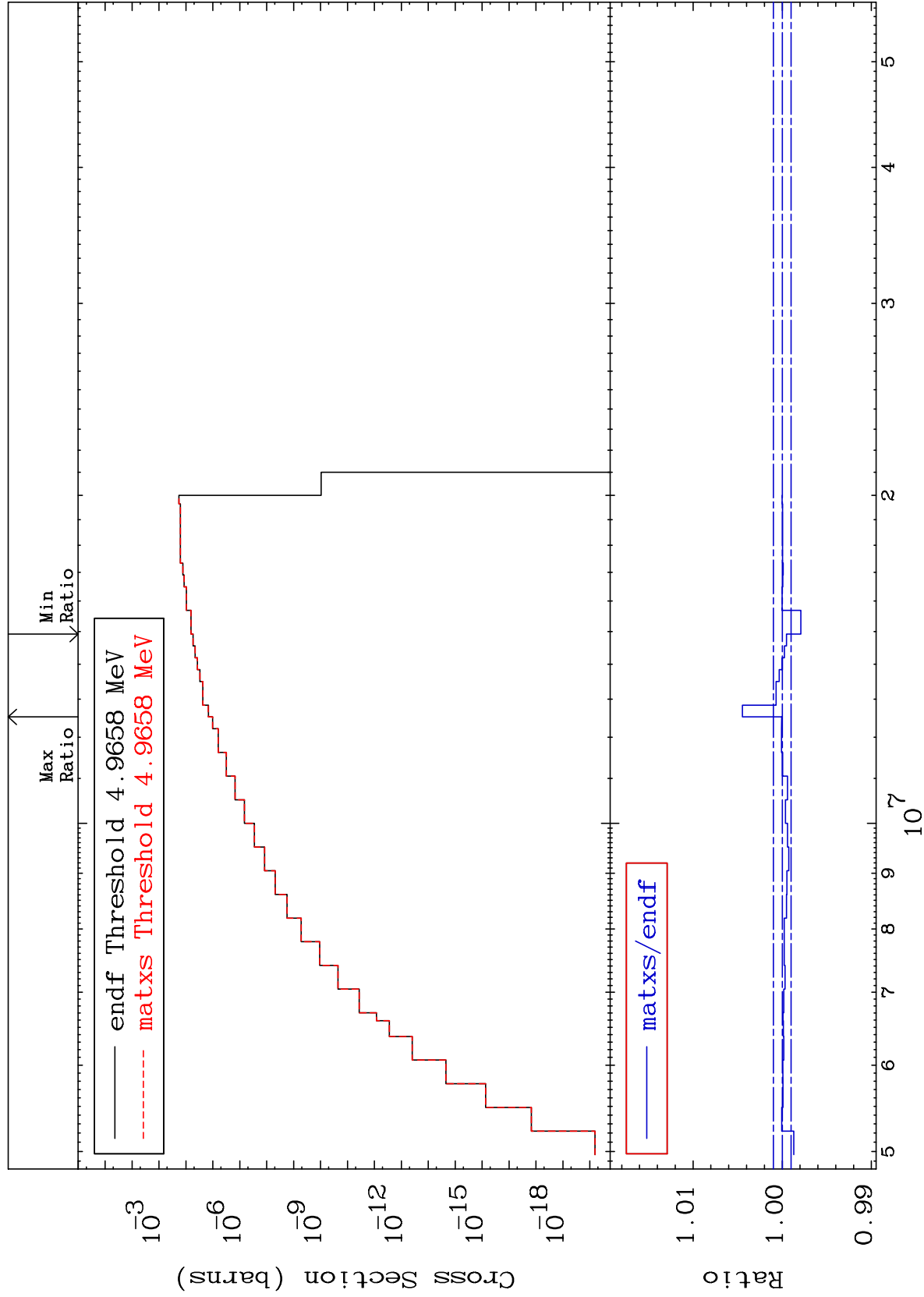
Incident Energy (eV)

82-Pb-207

MAT 8234

3.143 MeV (n,p') Level
Cross Section

82-Pb-207
-0.209 To 0.447 %



32

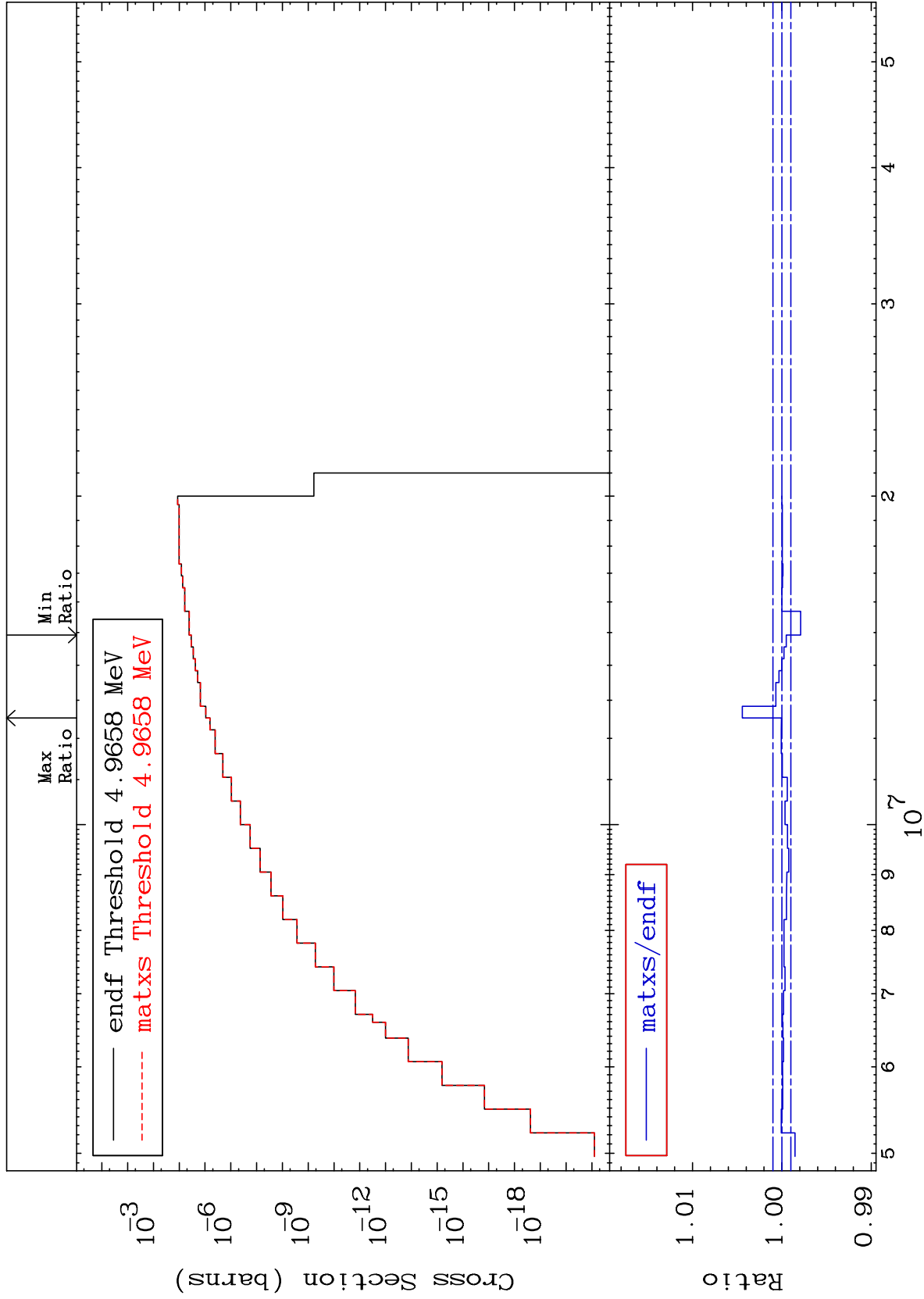
Incident Energy (eV)

82-Pb-207

MAT 8234

3.210 MeV (n,p') Level
Cross Section

82-Pb-207
-0.209 To 0.444 %



33

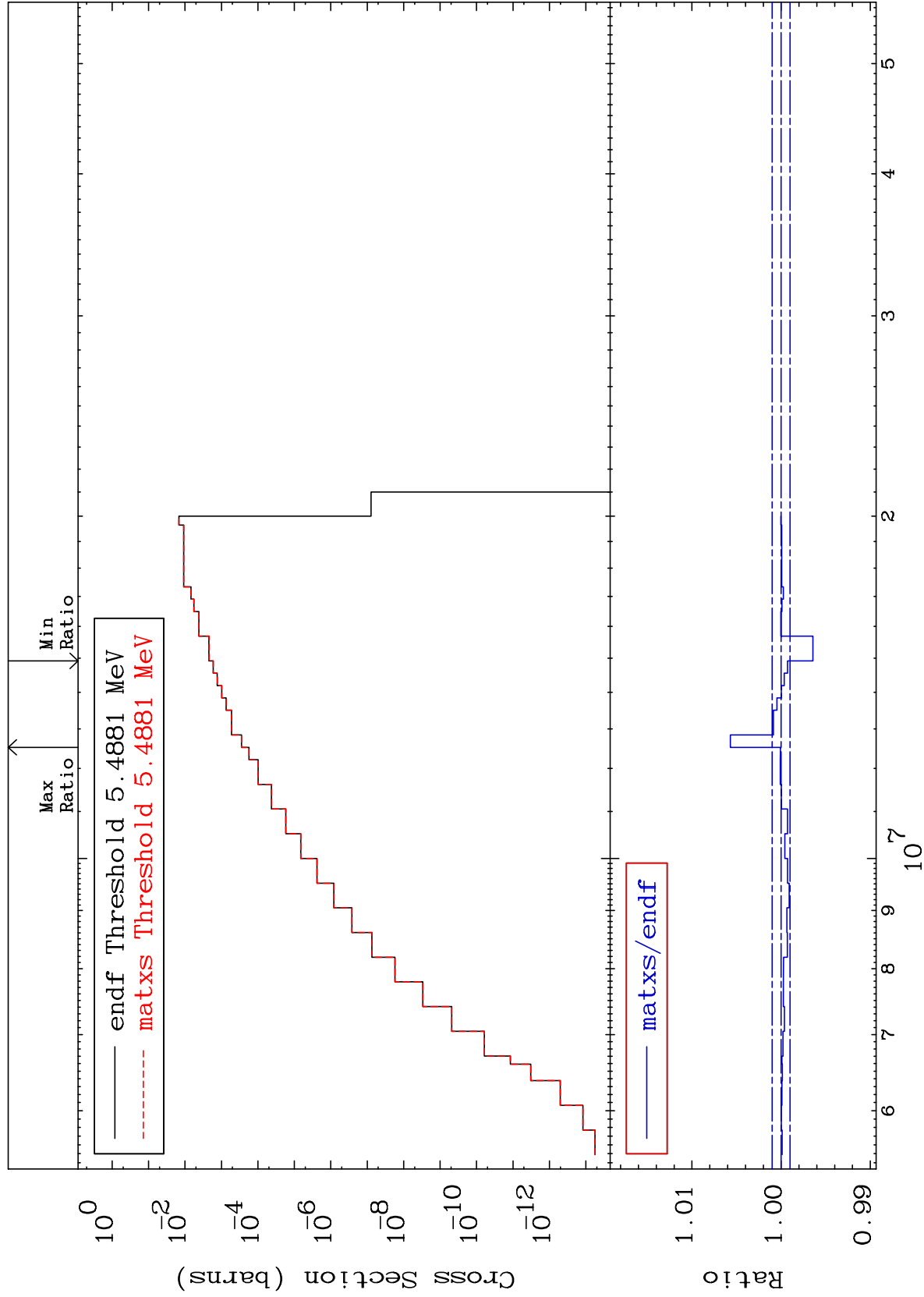
Incident Energy (eV)

82-Pb-207

MAT 8234

3.210 MeV (n,p') Level
Cross Section

82-Pb-207
-0.357 To 0.570 %



34

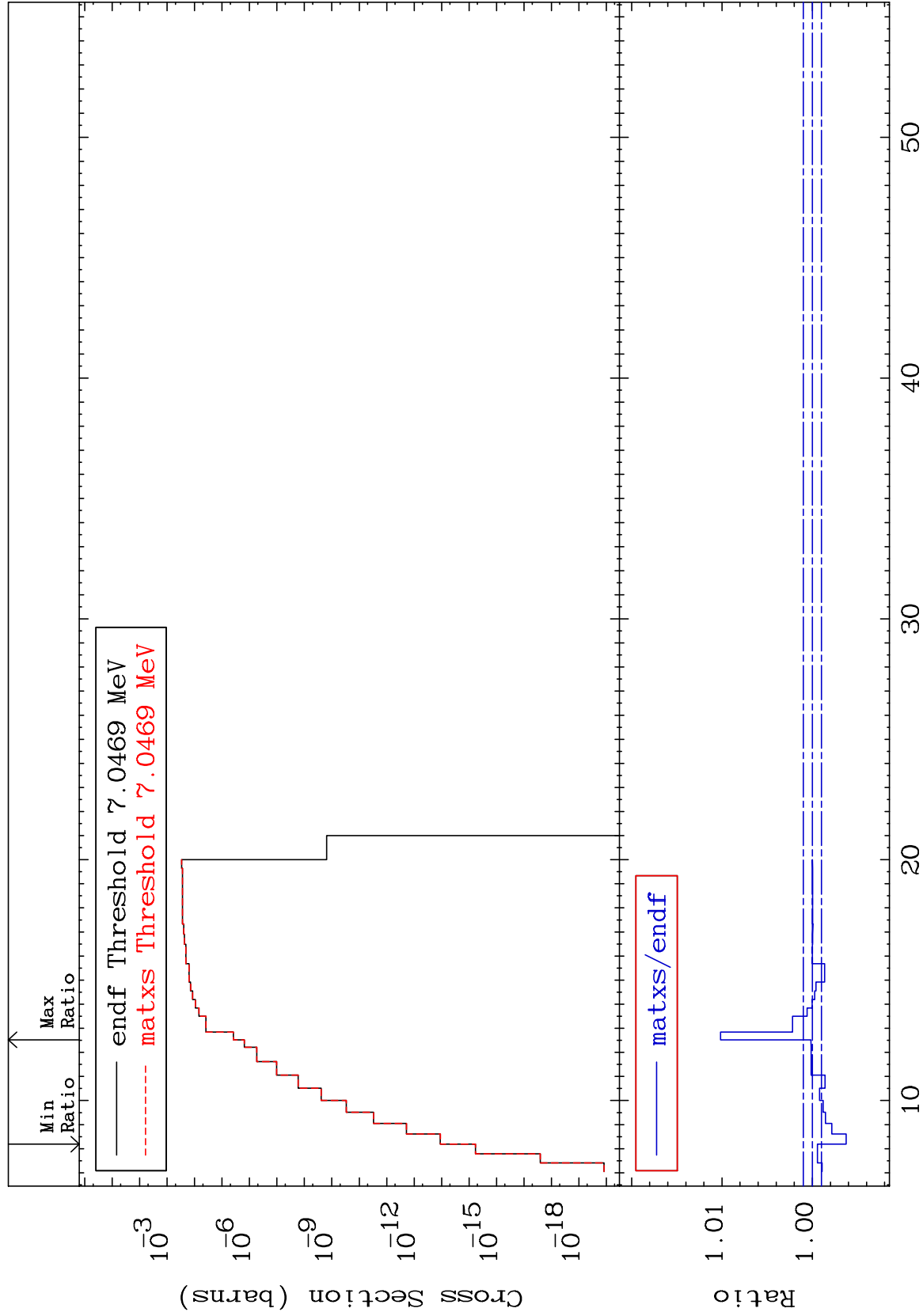
Incident Energy (eV)

82-Pb-207

MAT 8234

(n, d') Ground
Cross Section

82-Pb-207
-0.374 To 1.016 %



35

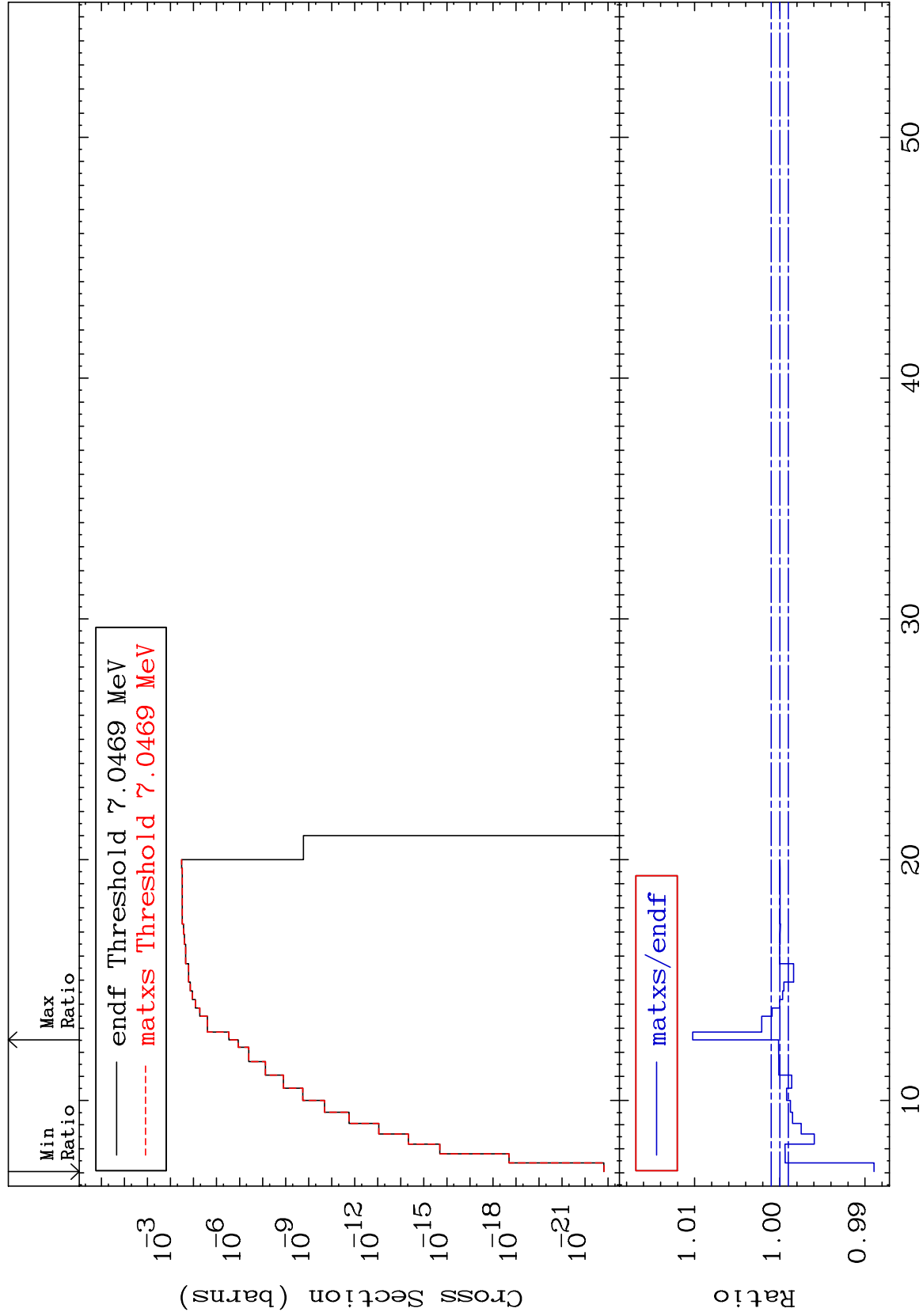
Incident Energy (MeV)

82-Pb-207

MAT 8234

265.8 keV (n,d') Level
Cross Section

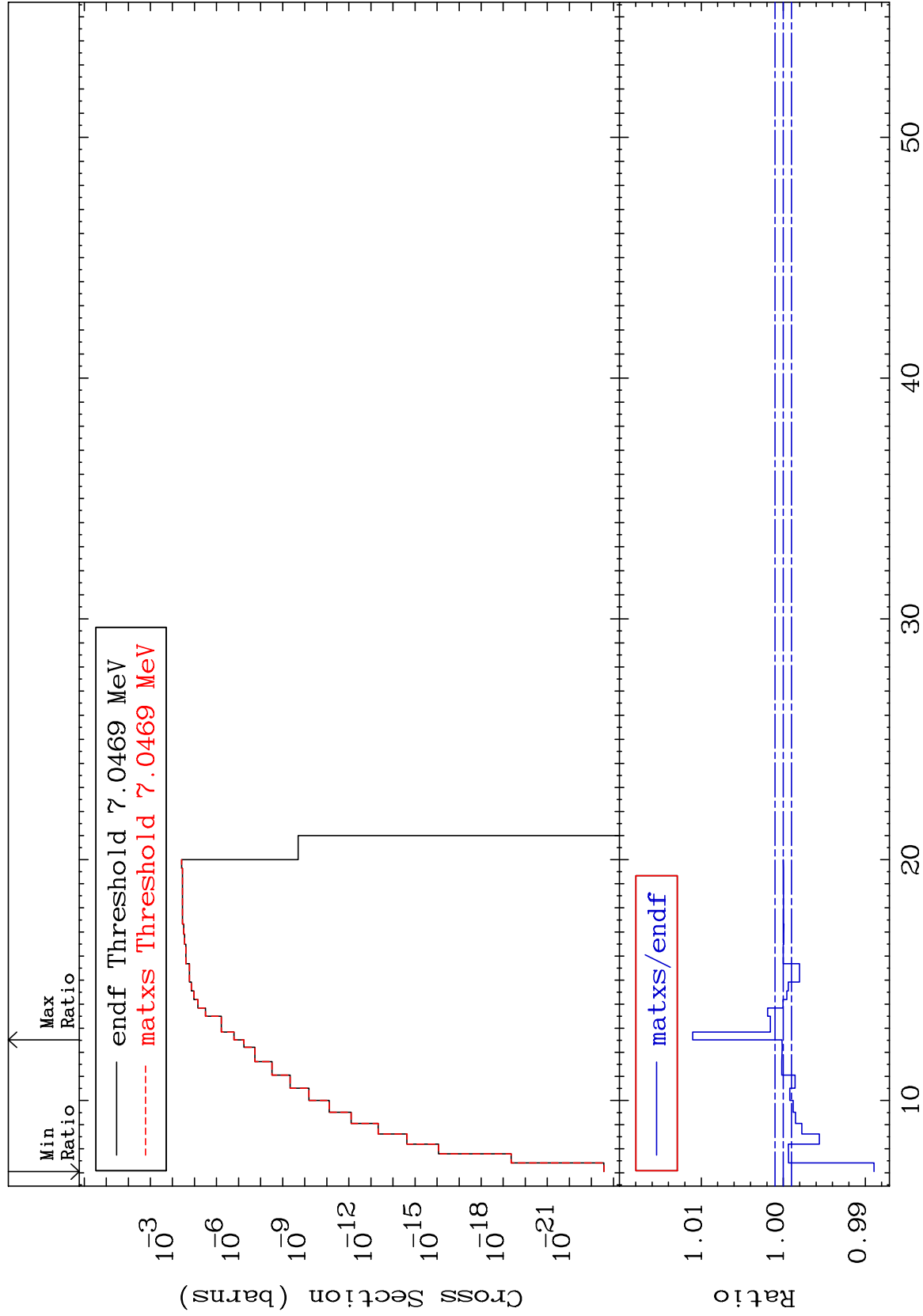
82-Pb-207
-1.106 To 1.023 %



MAT 8234

304.9 keV (n,d') Level
Cross Section

82-Pb-207
-1.106 To 1.104 %



37

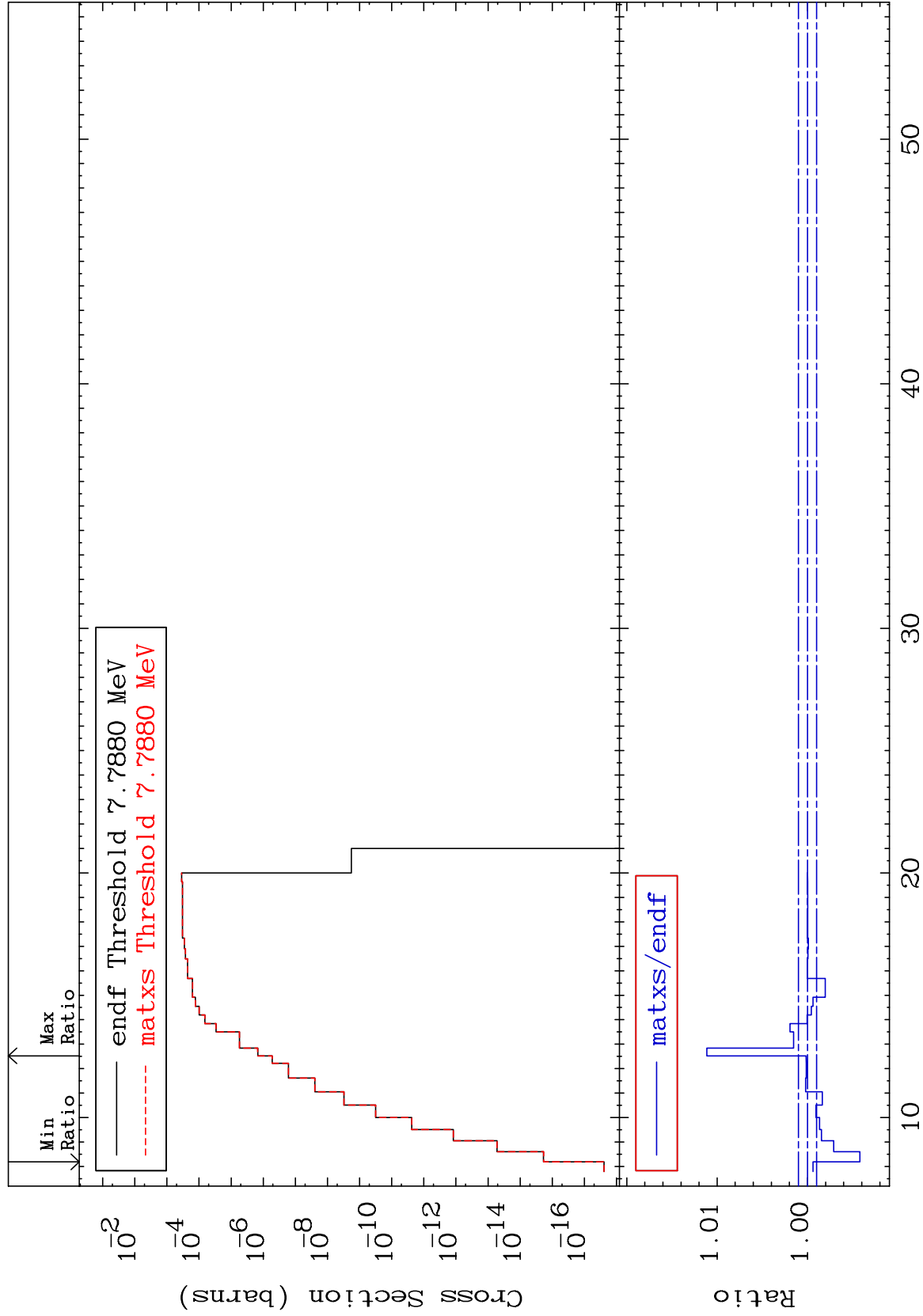
Incident Energy (MeV)

82-Pb-207

MAT 8234

635.0 keV (n,d') Level
Cross Section

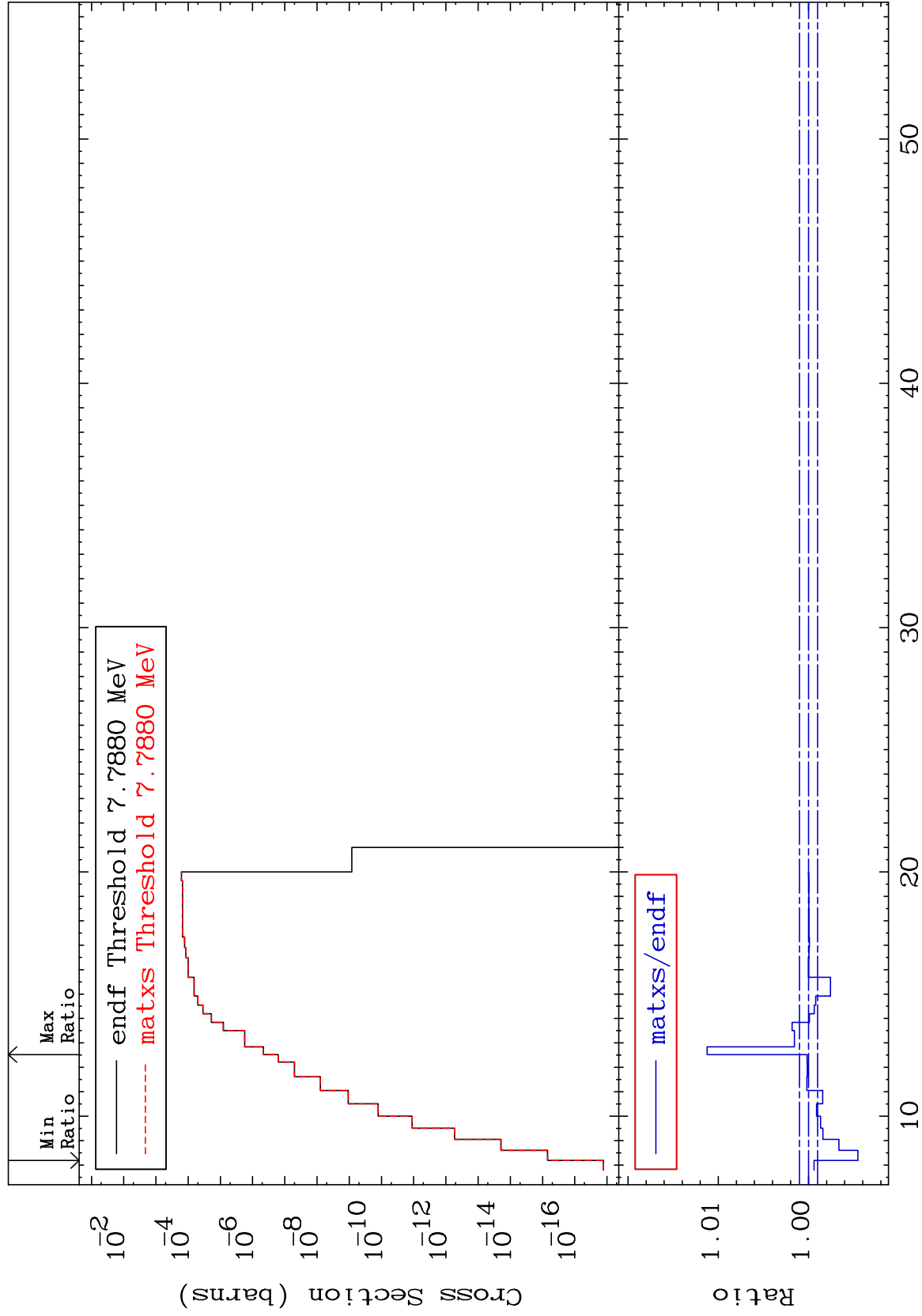
82-Pb-207
-0.579 To 1.114 %



MAT 8234

649.4 keV (n,d') Level
Cross Section

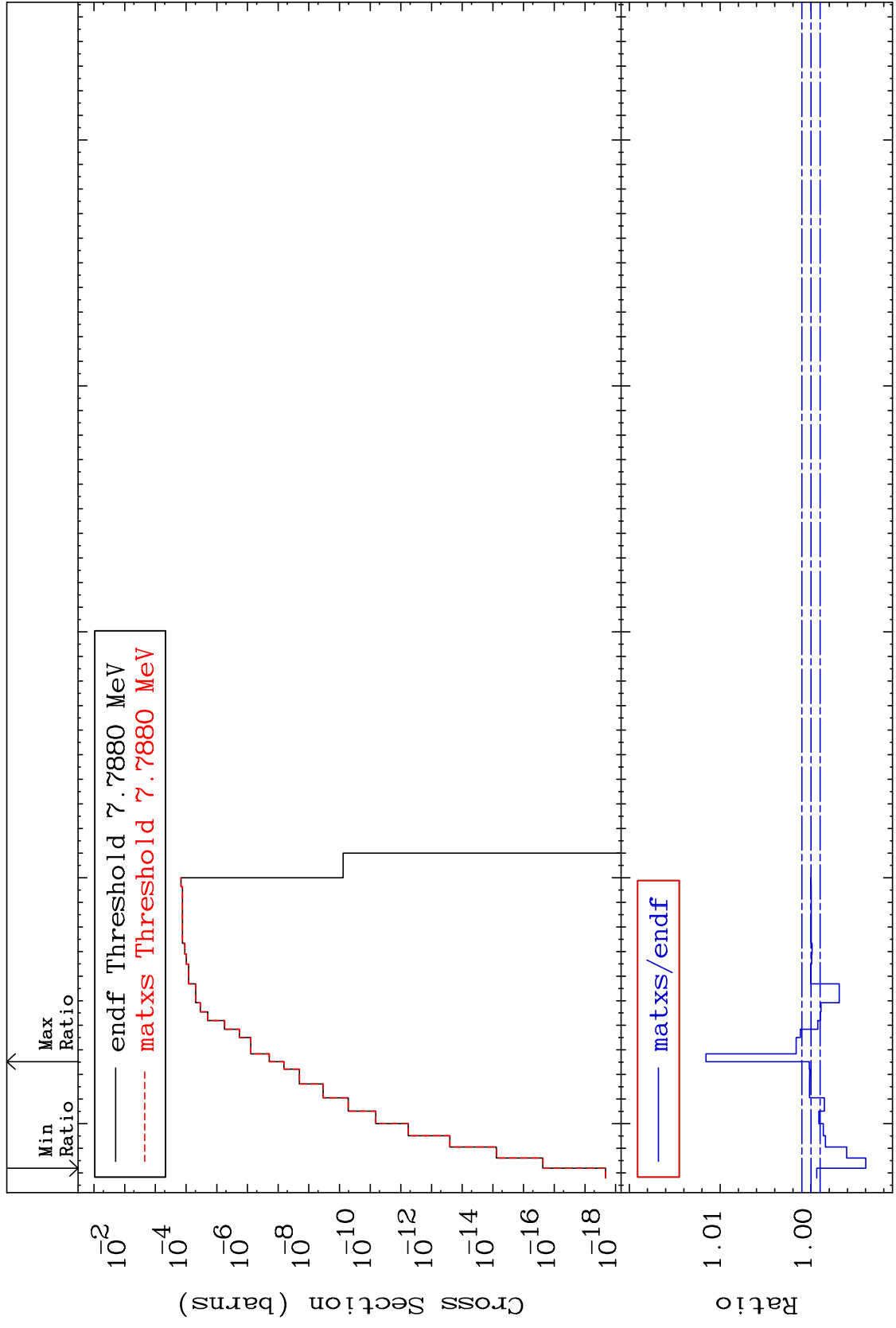
82-Pb-207
-0.546 To 1.123 %



MAT 8234

801.4 keV (n,d') Level
Cross Section

82-Pb-207
-0.602 To 1.156 %



40

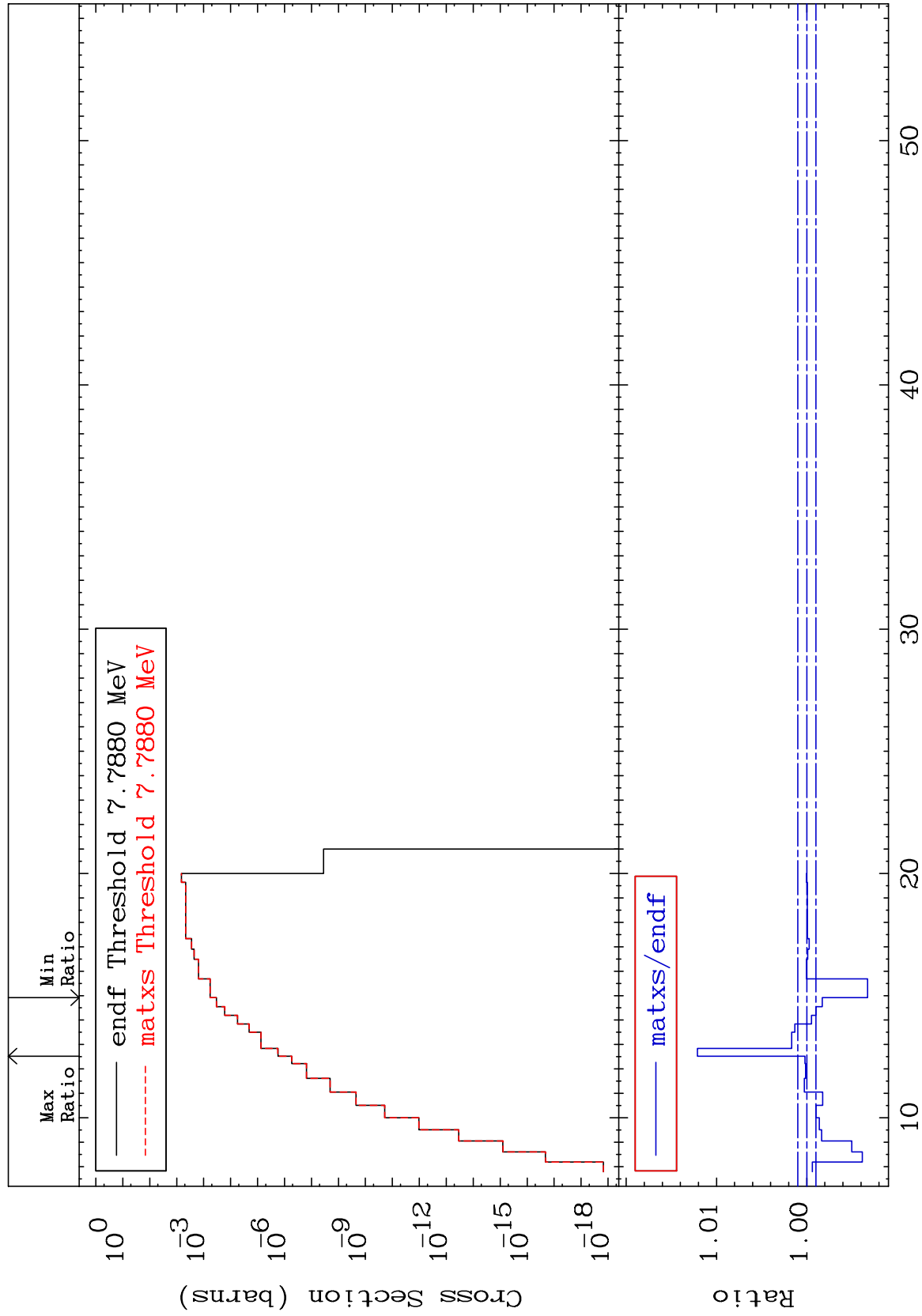
Incident Energy (MeV)

82-Pb-207

MAT 8234

801.4 keV (n,d') Level
Cross Section

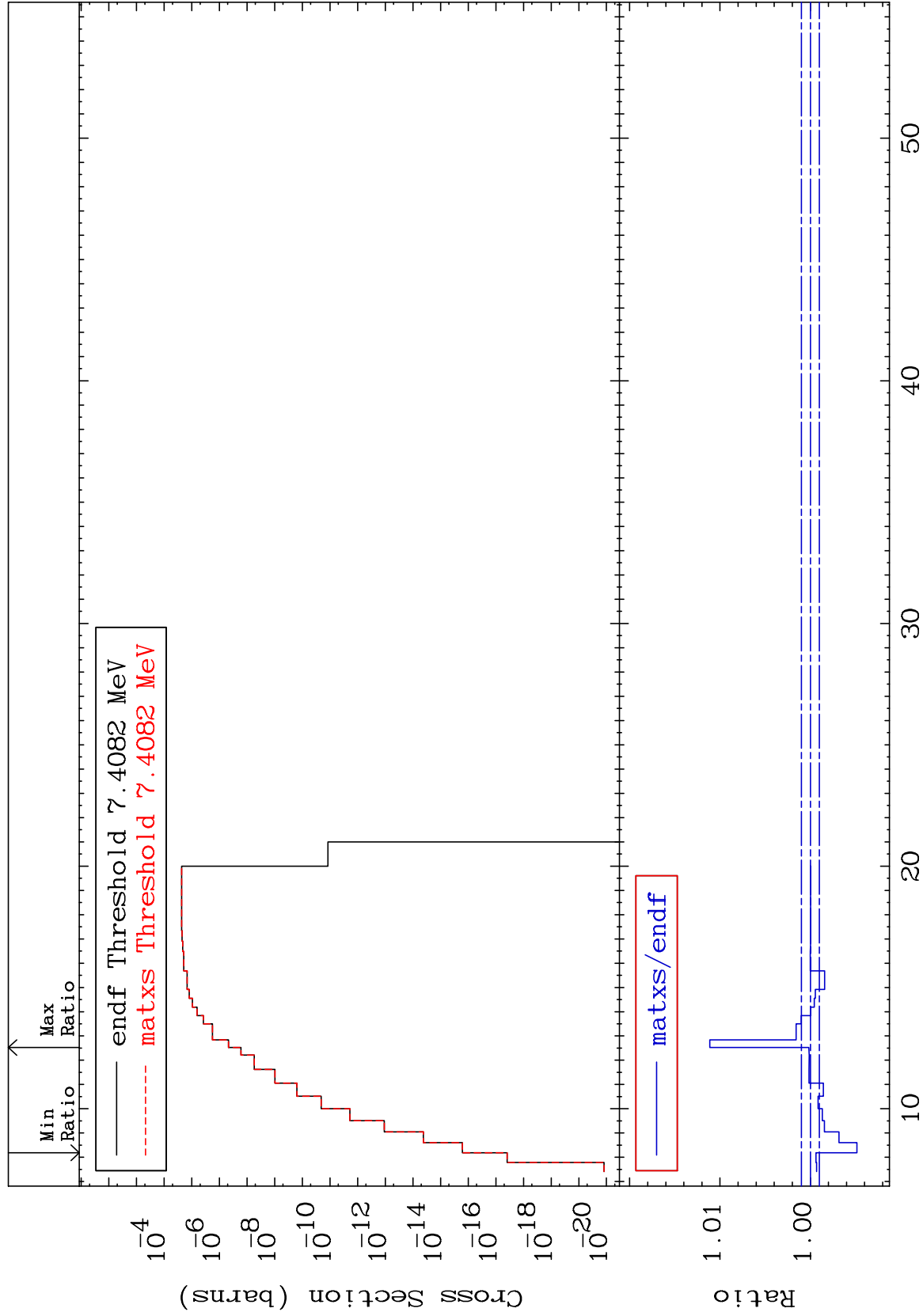
82-Pb-207
-0.673 To 1.211 %



MAT 8234

(n, t') Ground
Cross Section

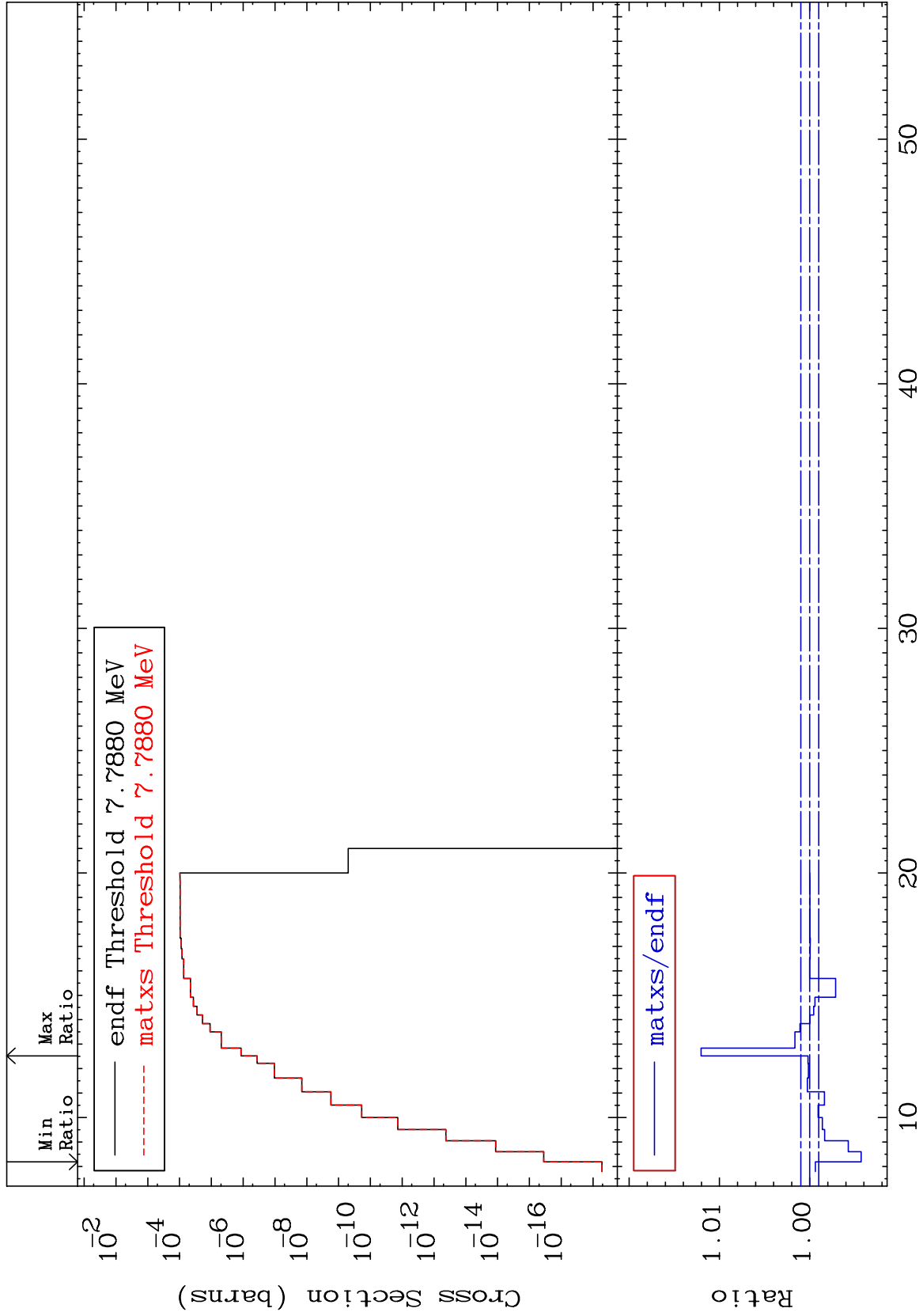
82-Pb-207
-0.515 To 1.113 %



MAT 8234

203.7 keV (n,t') Level
Cross Section

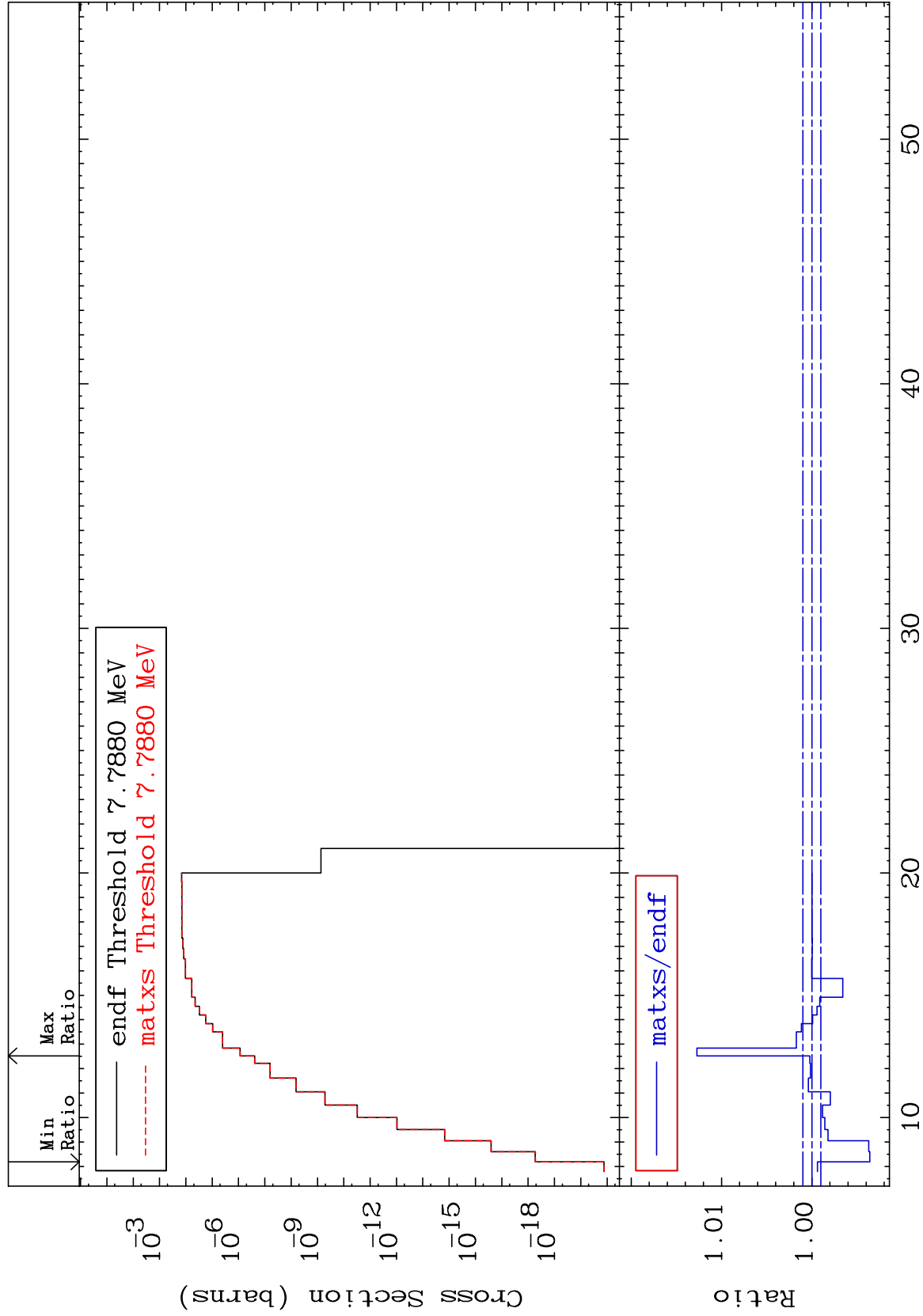
82-Pb-207
-0.568 To 1.203 %



MAT 8234

619.4 keV (n,t') Level
Cross Section

82-Pb-207
-0.642 To 1.273 %



44

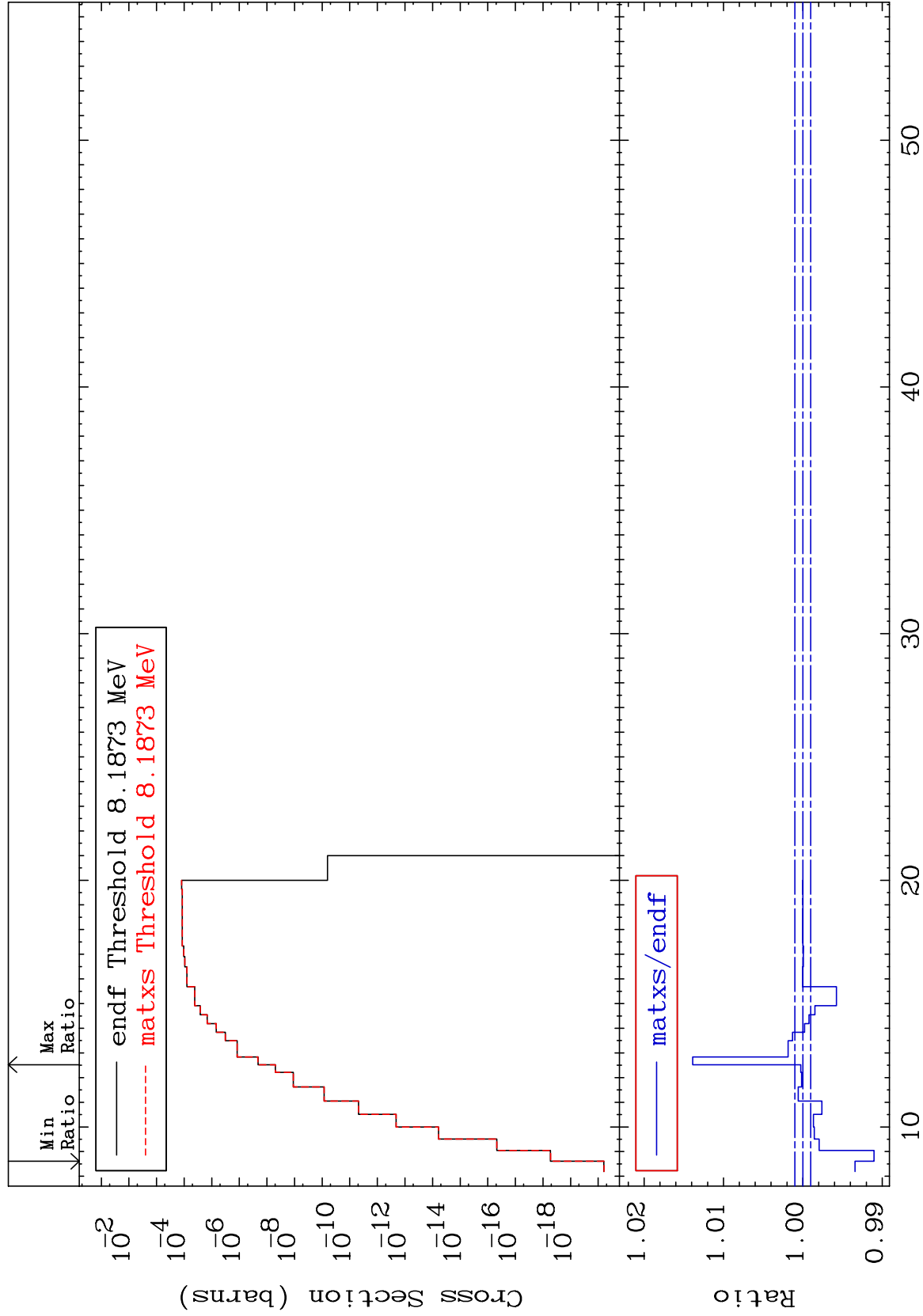
Incident Energy (MeV)

82-Pb-207

MAT 8234

923.8 keV (n, t') Level
Cross Section

82-Pb-207
-0.897 To 1.387 %



45

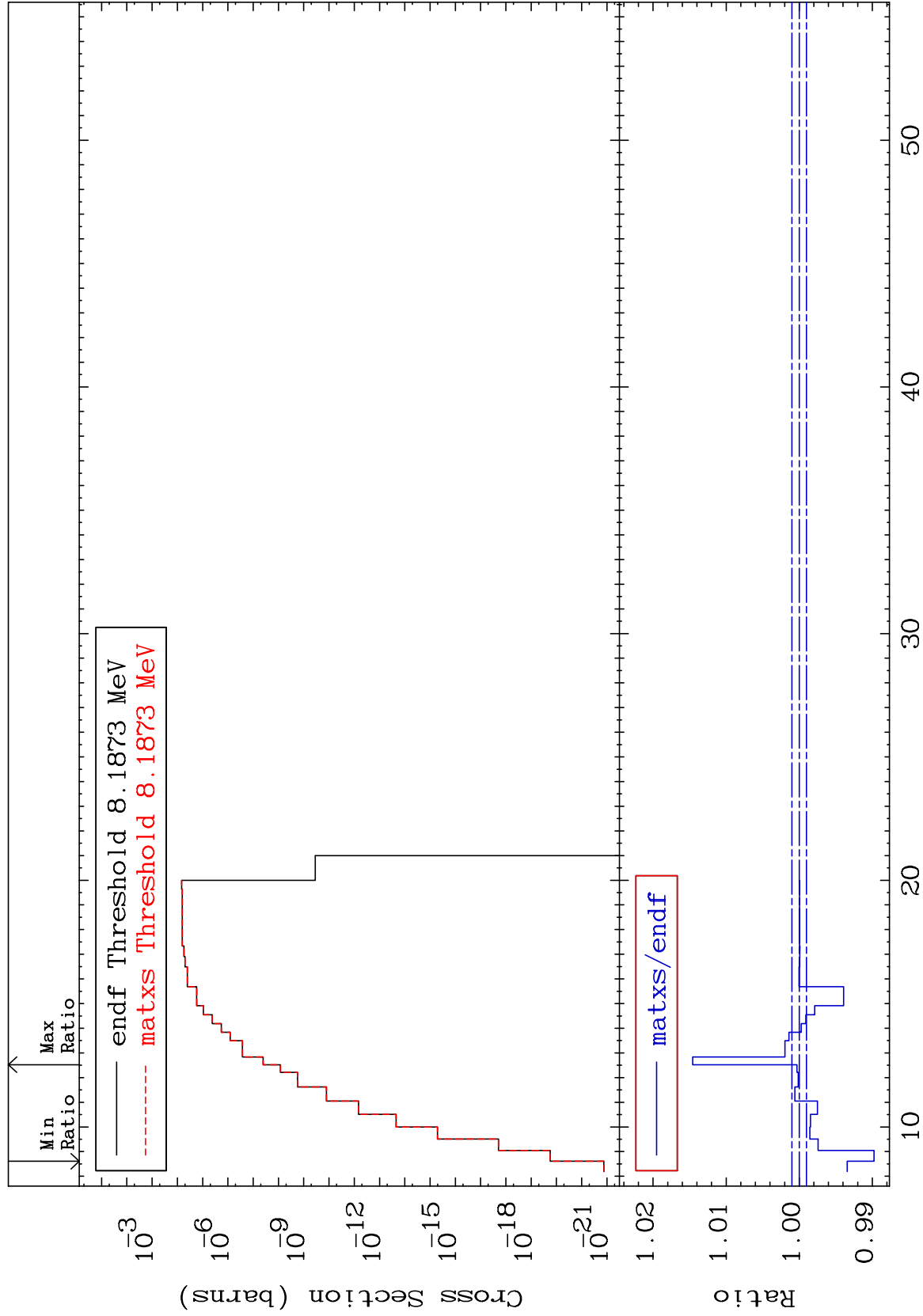
Incident Energy (MeV)

82-Pb-207

MAT 8234

1.141 MeV (n,t') Level
Cross Section

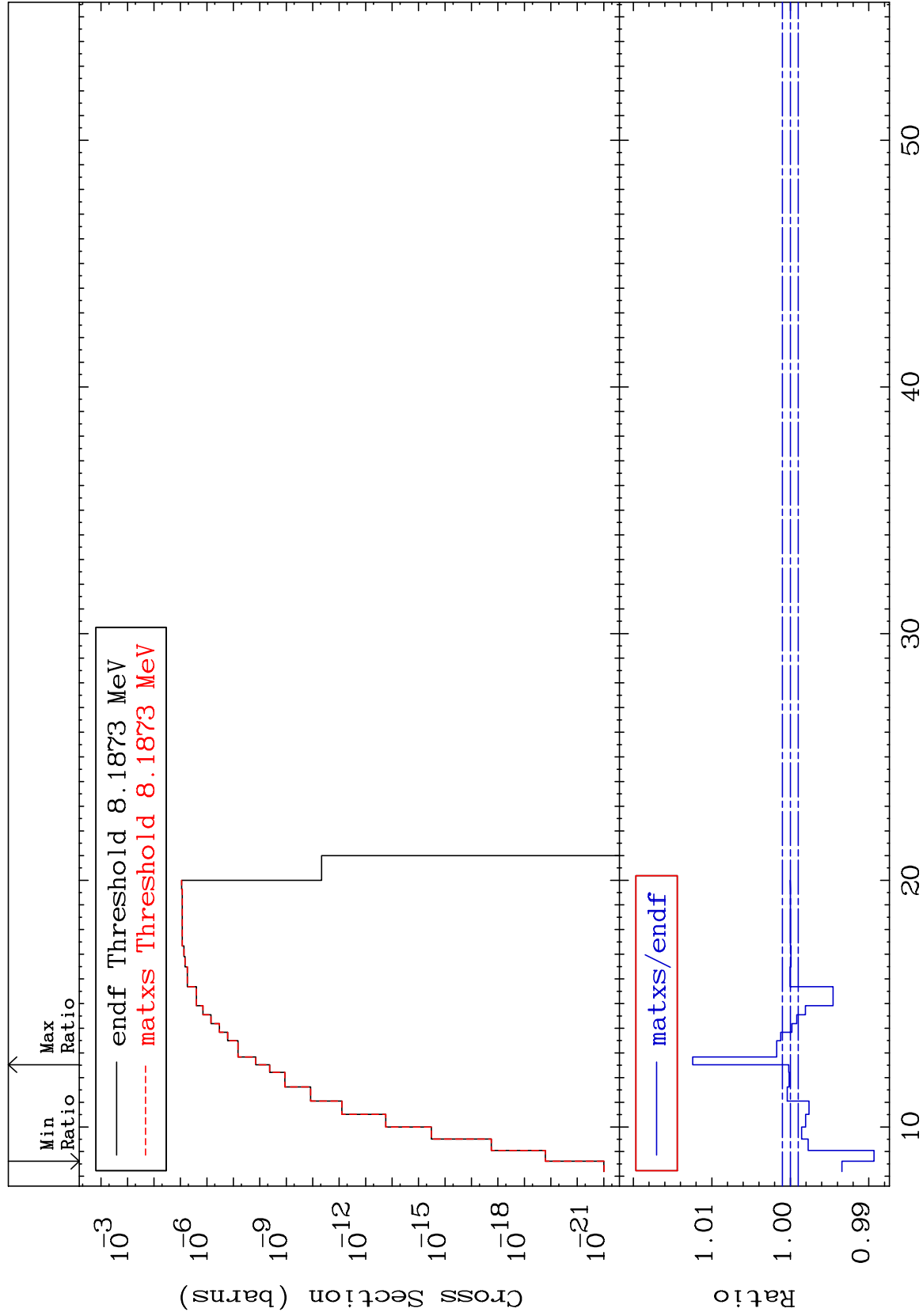
82-Pb-207
-1.023 To 1.458 %



MAT 8234

1.174 MeV (n,t') Level
Cross Section

82-Pb-207
-1.066 To 1.243 %



47

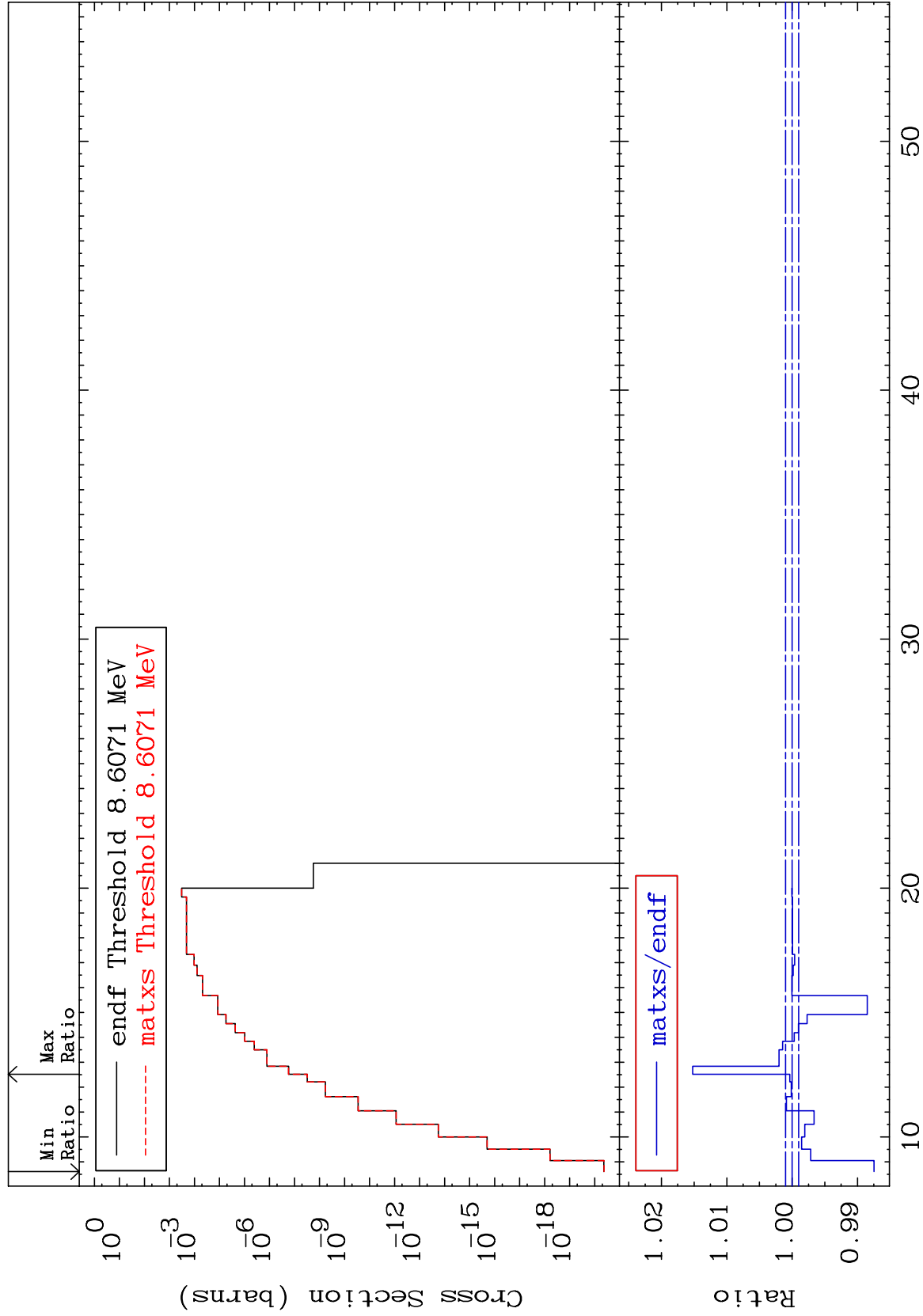
Incident Energy (MeV)

82-Pb-207

MAT 8234

1.174 MeV (n,t') Level
Cross Section

82-Pb-207
-1.252 To 1.522 %



48

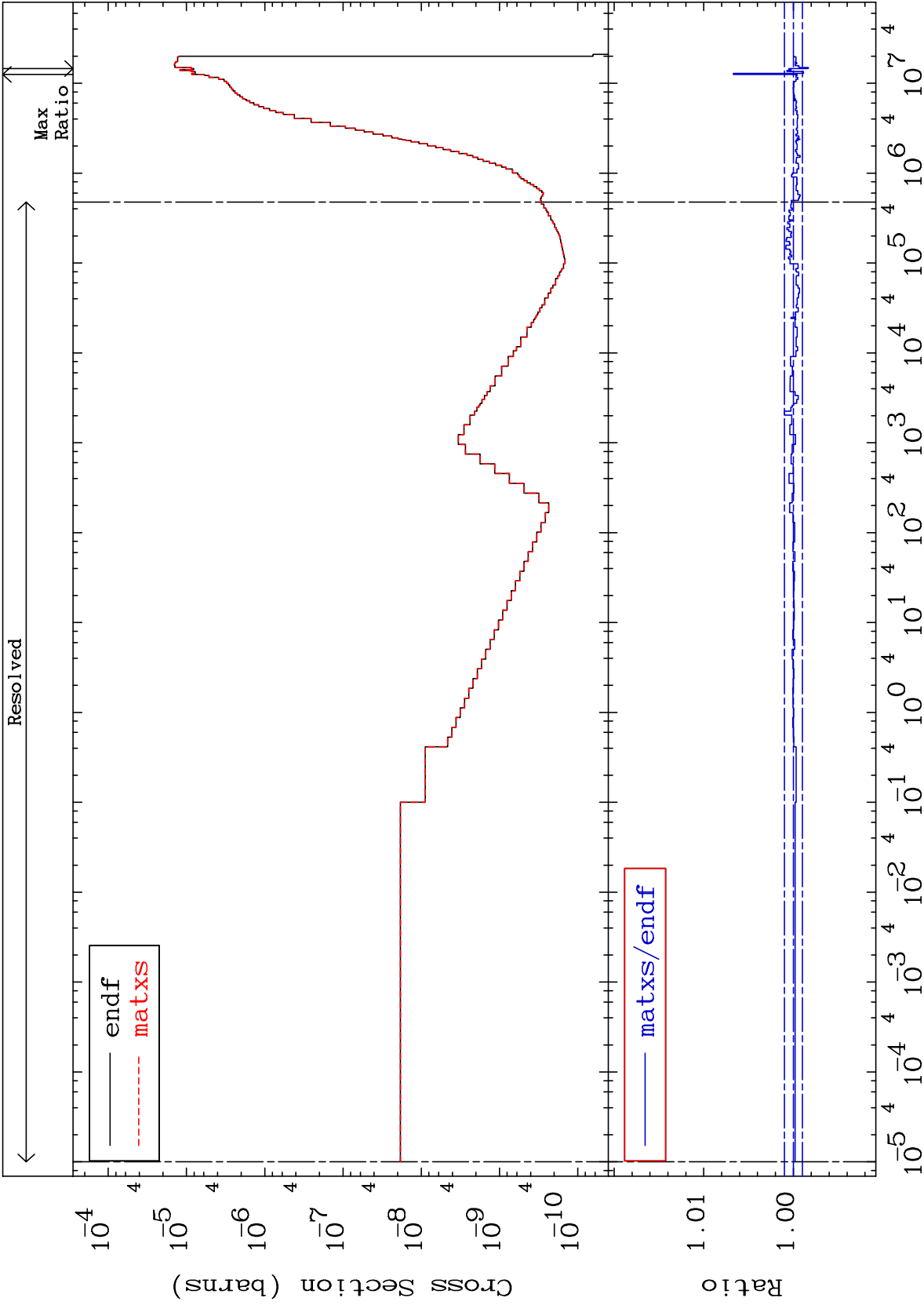
Incident Energy (MeV)

82-Pb-207

MAT 8234

(n, α') Ground
Cross Section

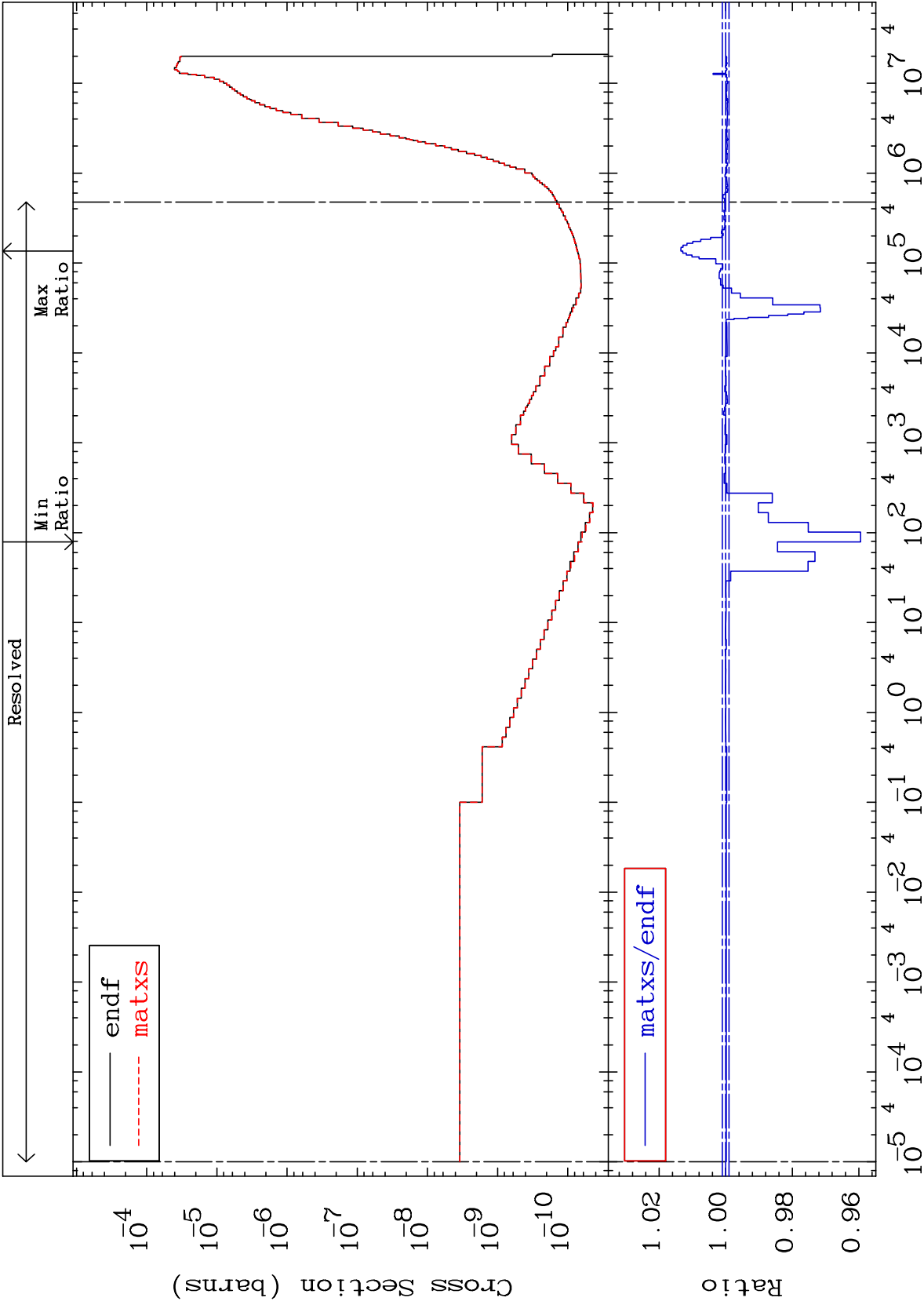
82-Pb-207
-0.166 To 0.670 %



MAT 8234

436.6 keV (n,α') Level
Cross Section

82-Pb-207
-4.052 To 1.346 %



50

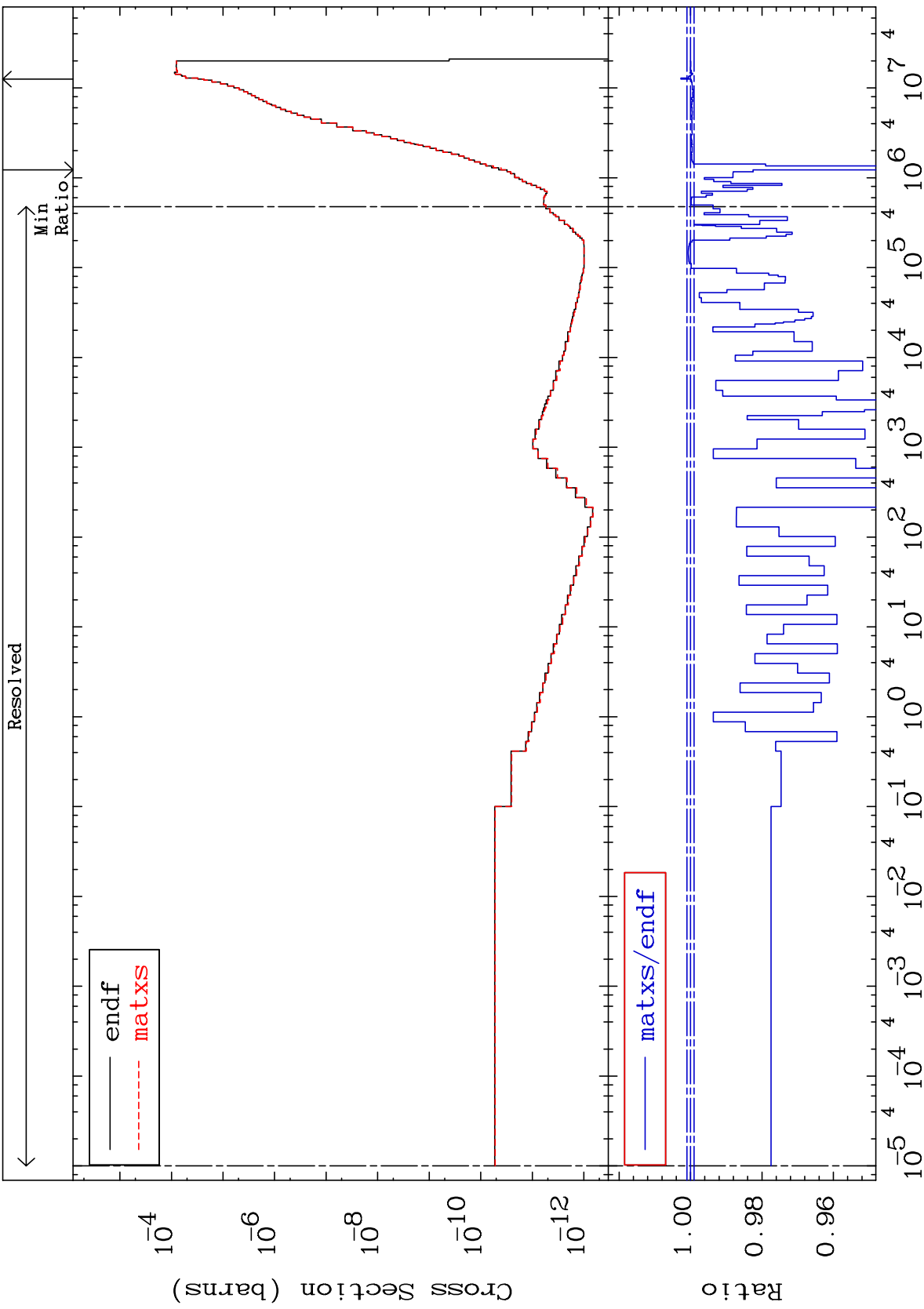
Incident Energy (eV)

82-Pb-207

MAT 8234

1.128 MeV (n, α') Level
Cross Section

82-Pb-207
-9.272 To 0.269 %



51

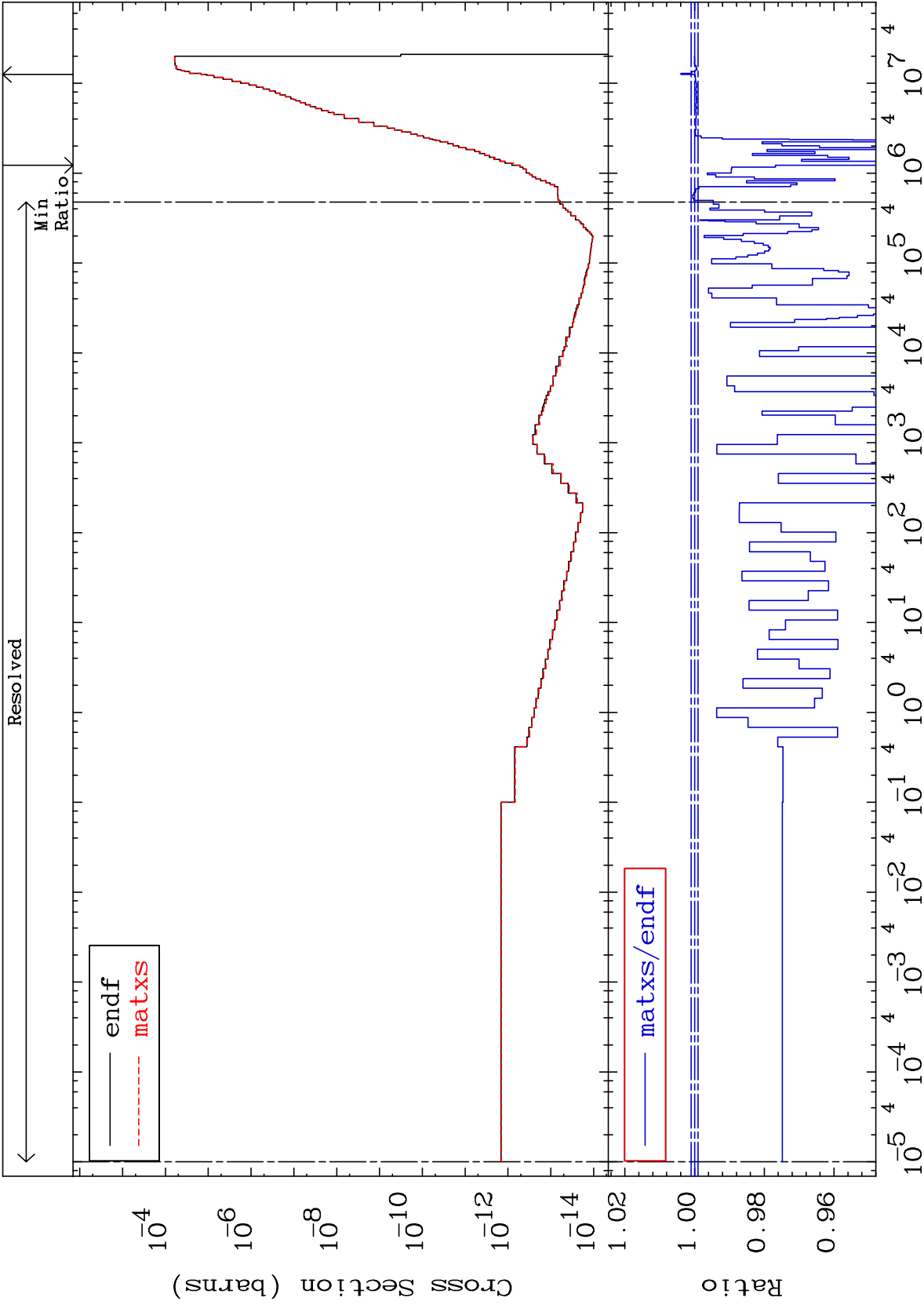
Incident Energy (eV)

82-Pb-207

MAT 8234

1.636 MeV (n, α') Level
Cross Section

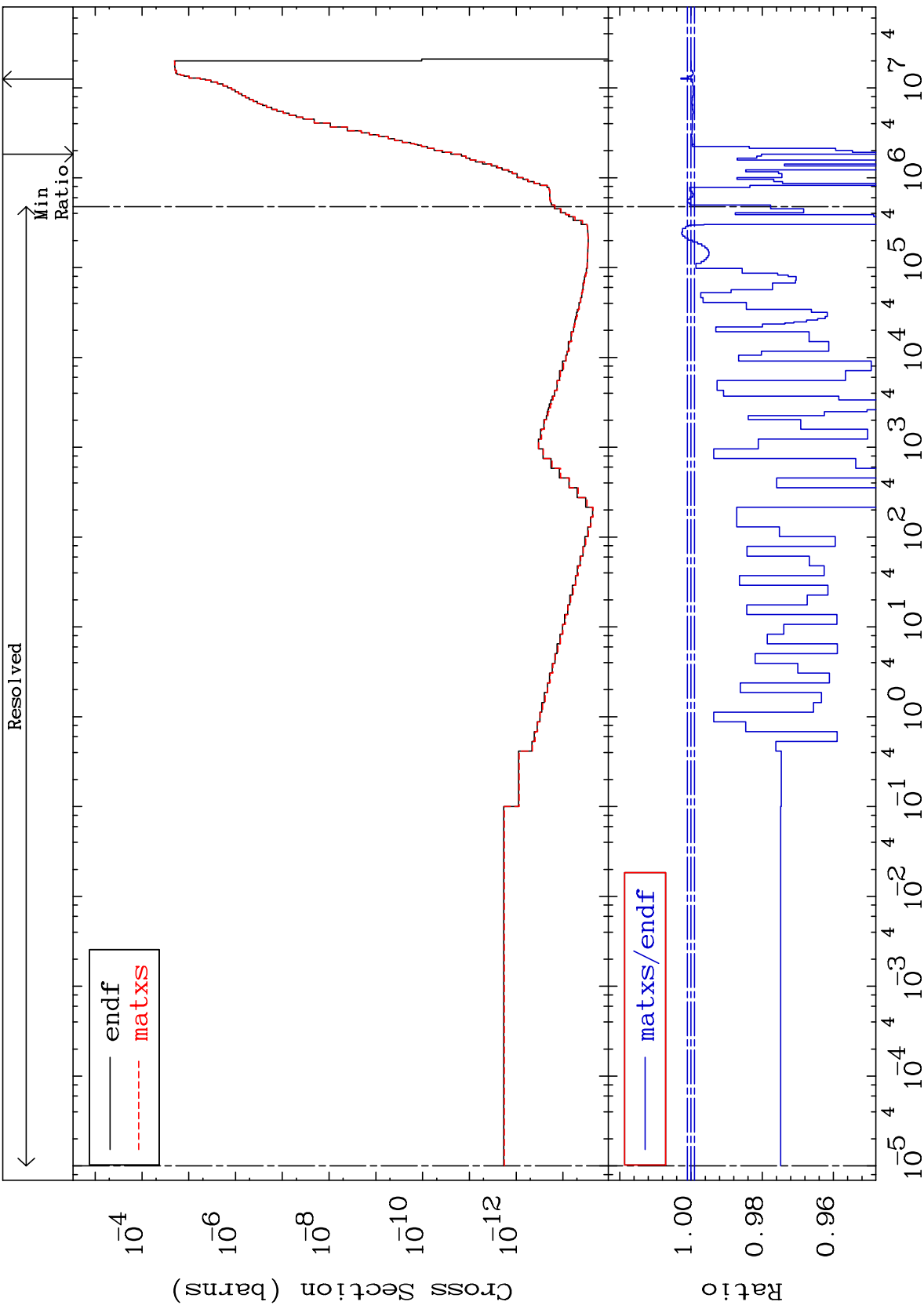
82-Pb-207
-12.19 To 0.392 %



MAT 8234

1.717 MeV (n, α') Level
Cross Section

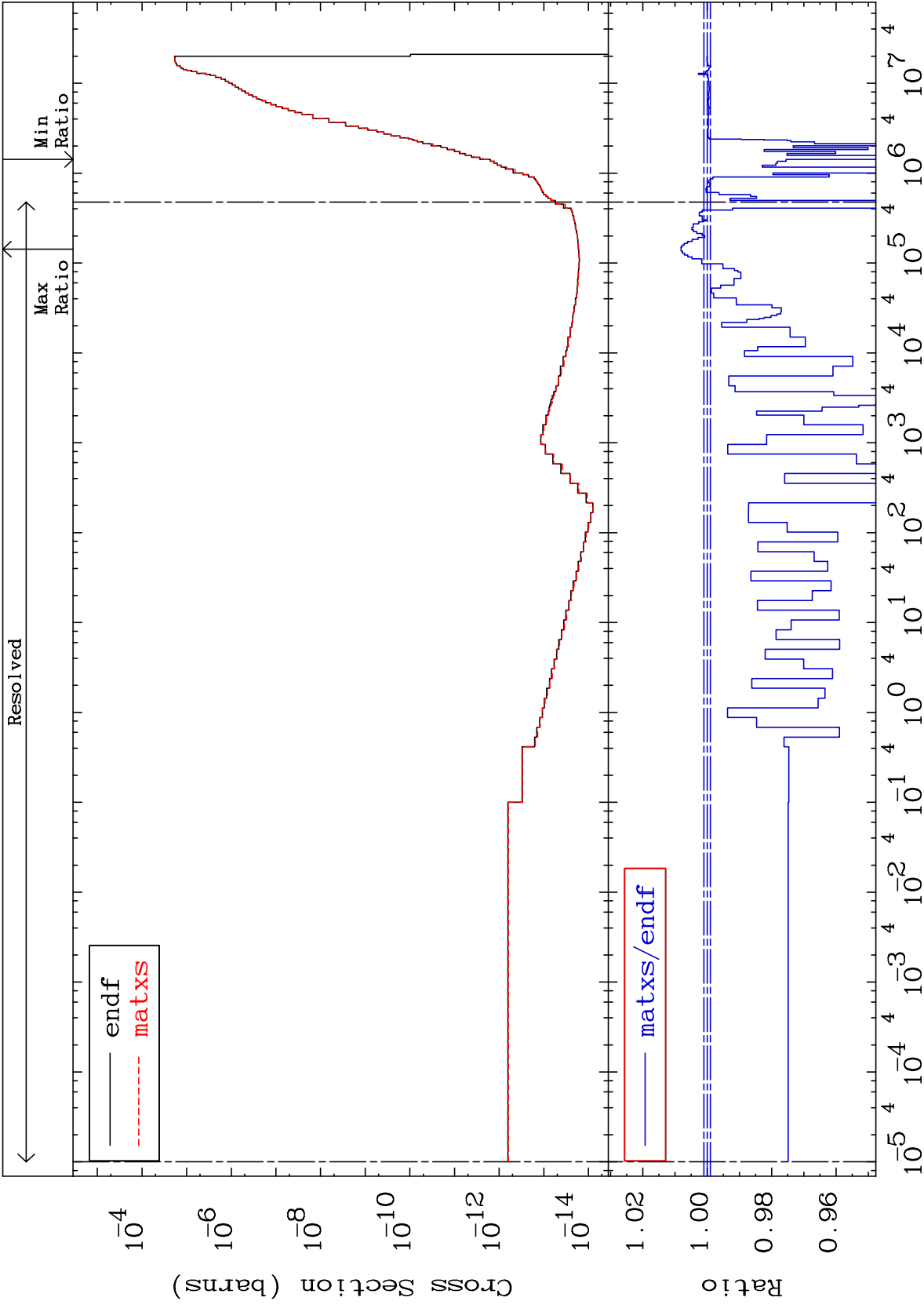
82-Pb-207
-10.77 To 0.283 %



MAT 8234

1.829 MeV (n, α') Level
Cross Section

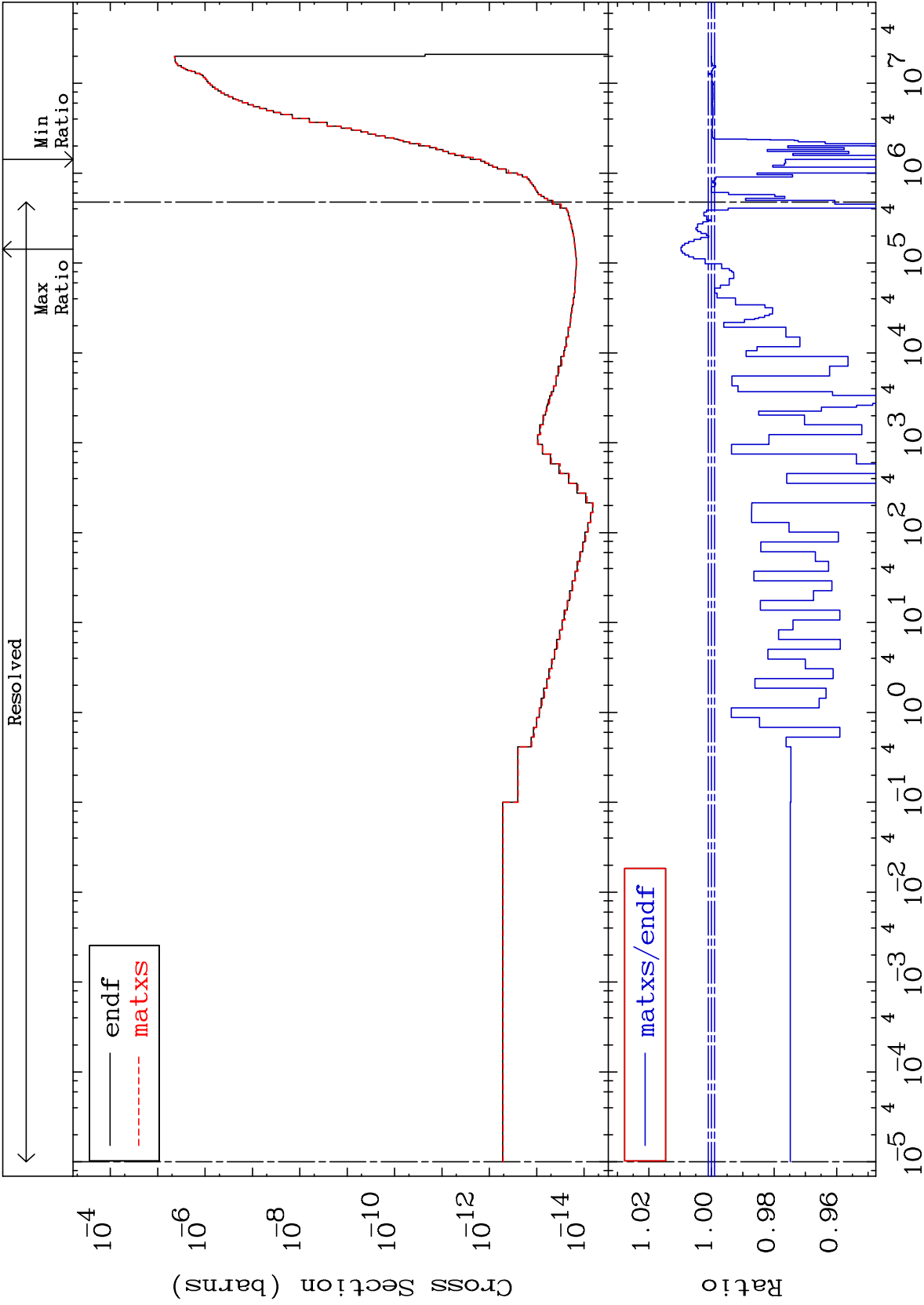
82-Pb-207
-14.26 To 0.814 %



MAT 8234

1.841 MeV (n, α') Level
Cross Section

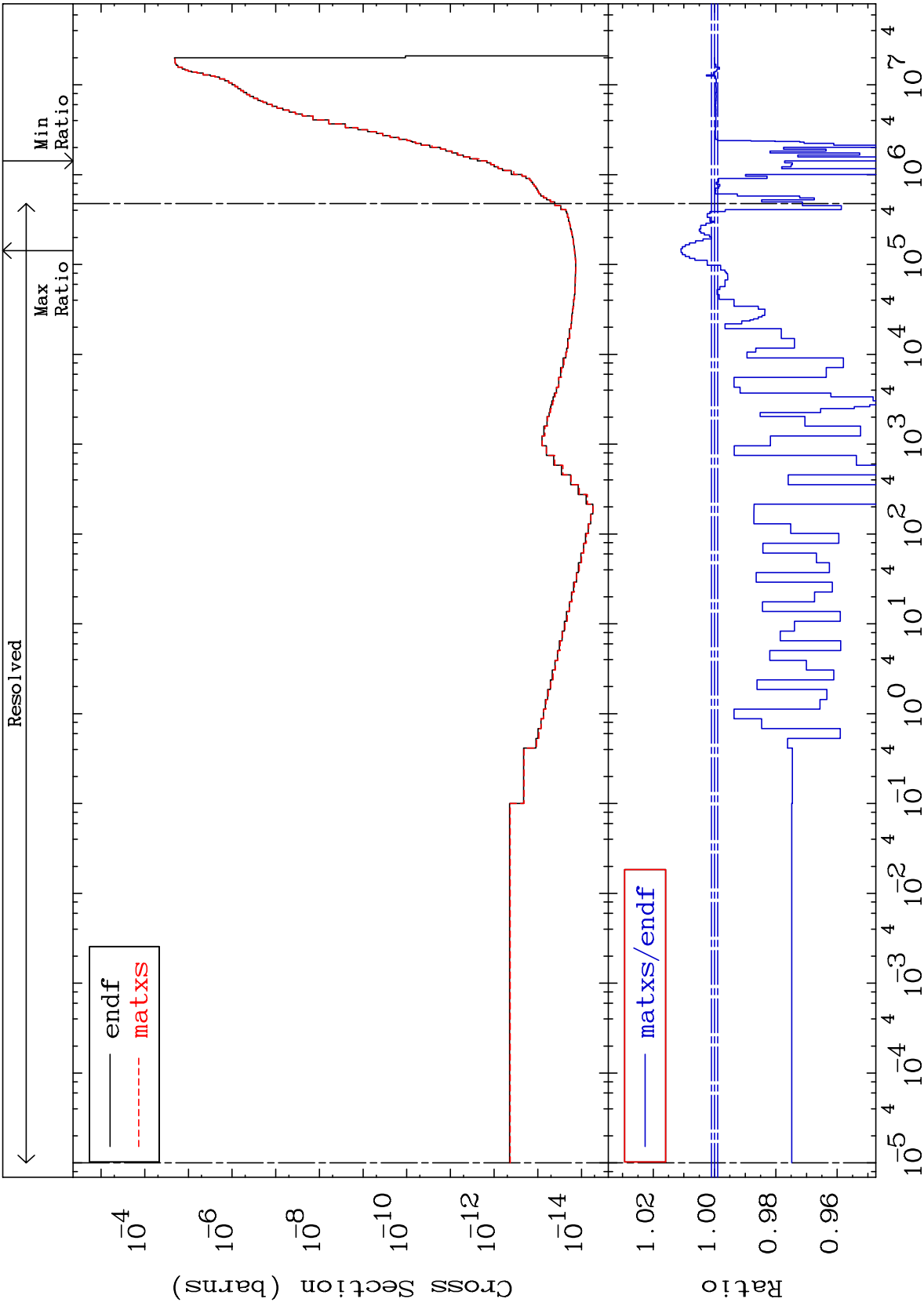
82-Pb-207
-13.45 To 0.974 %



MAT 8234

1.851 MeV (n,α') Level
Cross Section

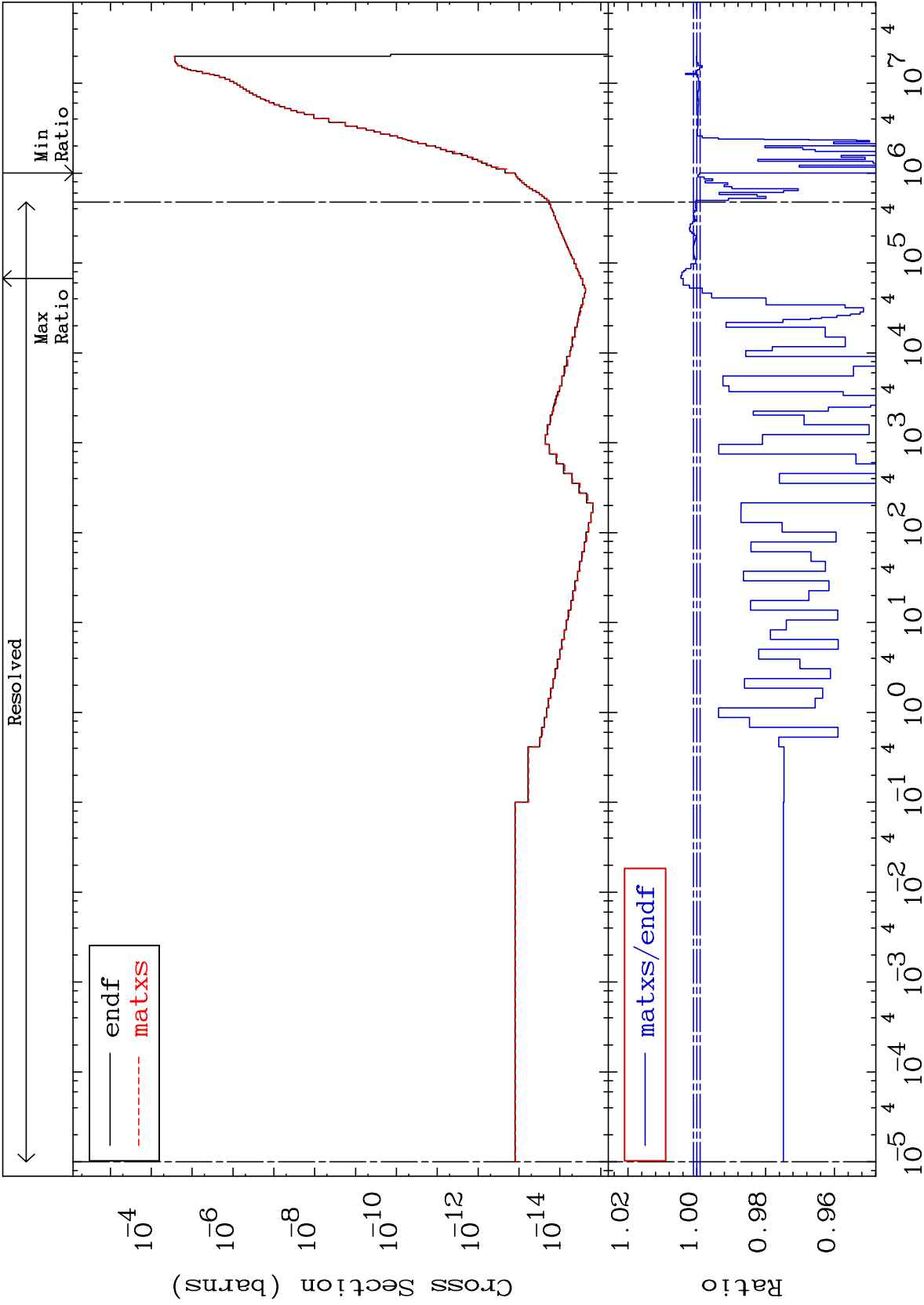
82-Pb-207
-12.78 To 1.097 %



MAT 8234

1.948 MeV (n, α') Level
Cross Section

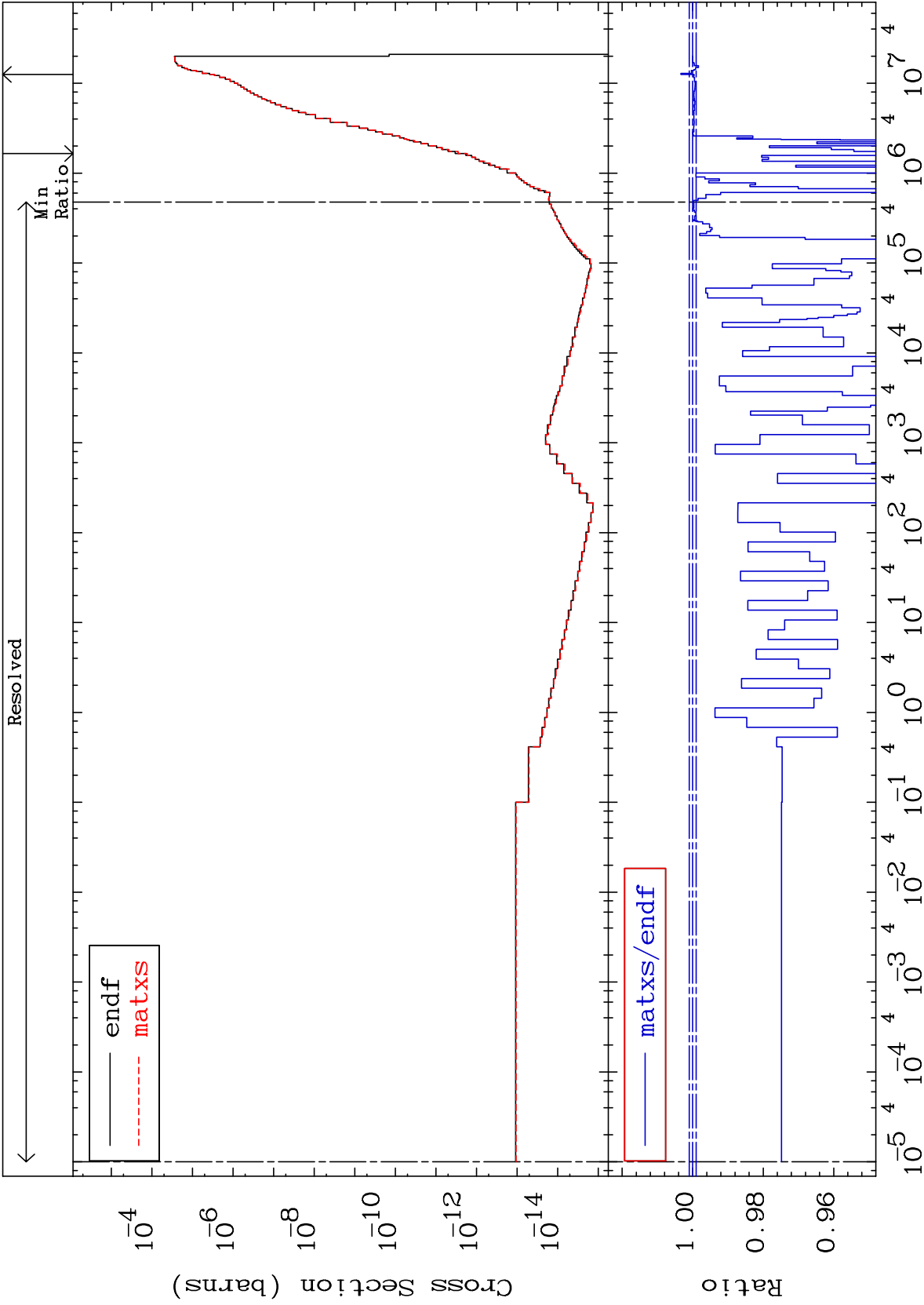
82-Pb-207
-14.62 To 0.461 %



MAT 8234

1.989 MeV (n, α') Level
Cross Section

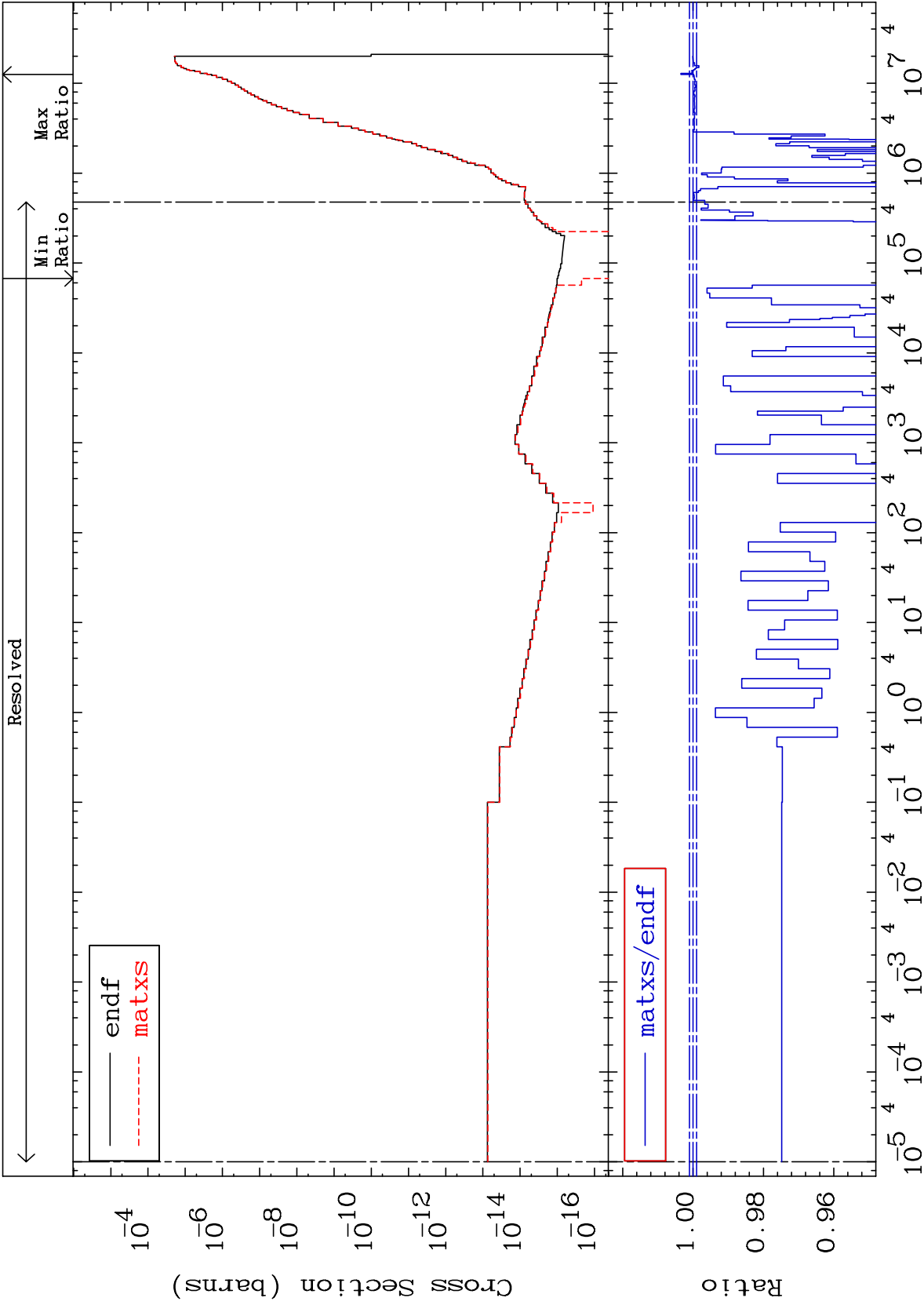
82-Pb-207
-14.99 To 0.334 %



MAT 8234

2.089 MeV (n, α') Level
Cross Section

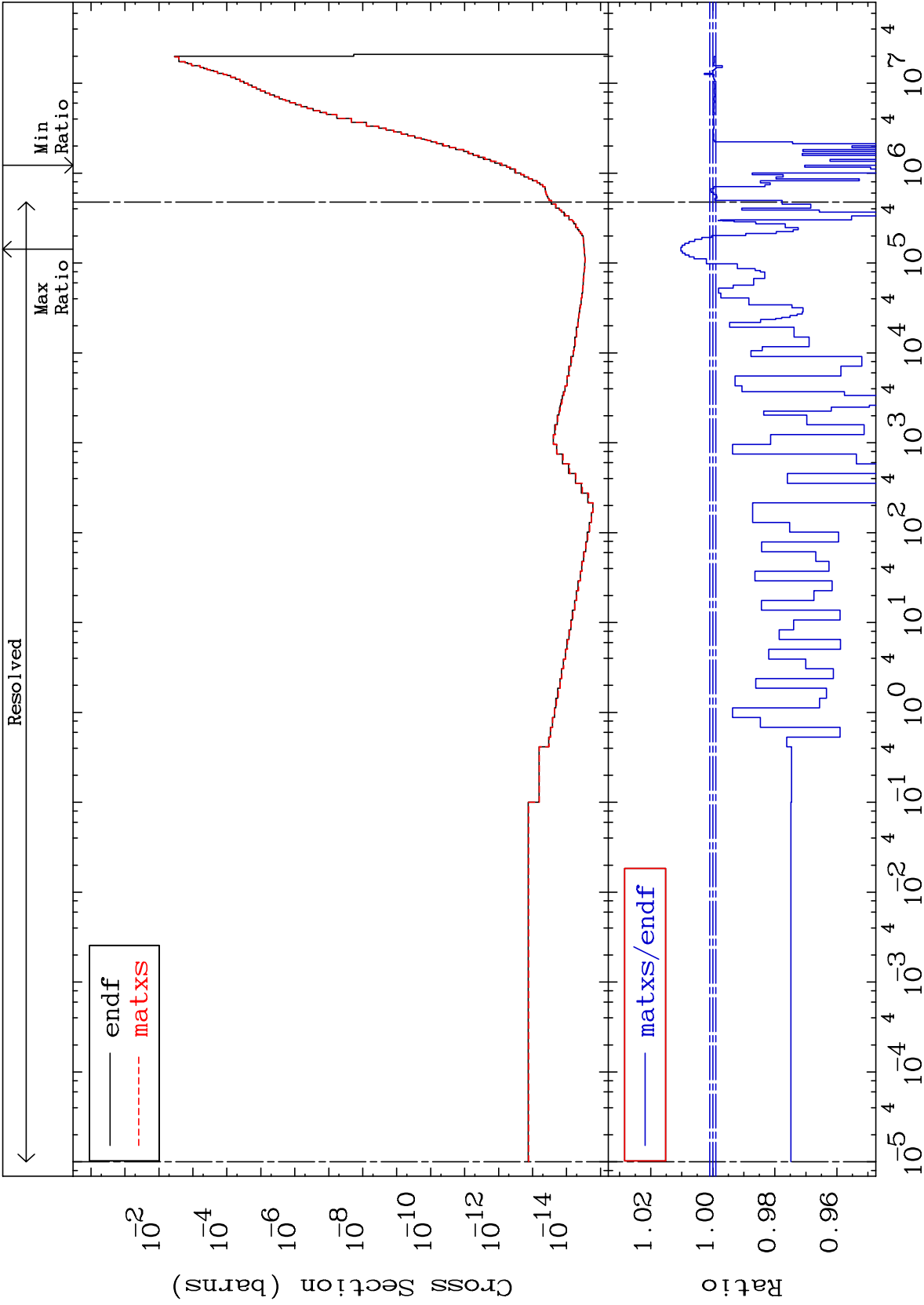
82-Pb-207
-100.0 To 0.345 %



MAT 8234

2.089 MeV (n, α') Level
Cross Section

82-Pb-207
-11.70 To 1.027 %



60

82-Pb-207