

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

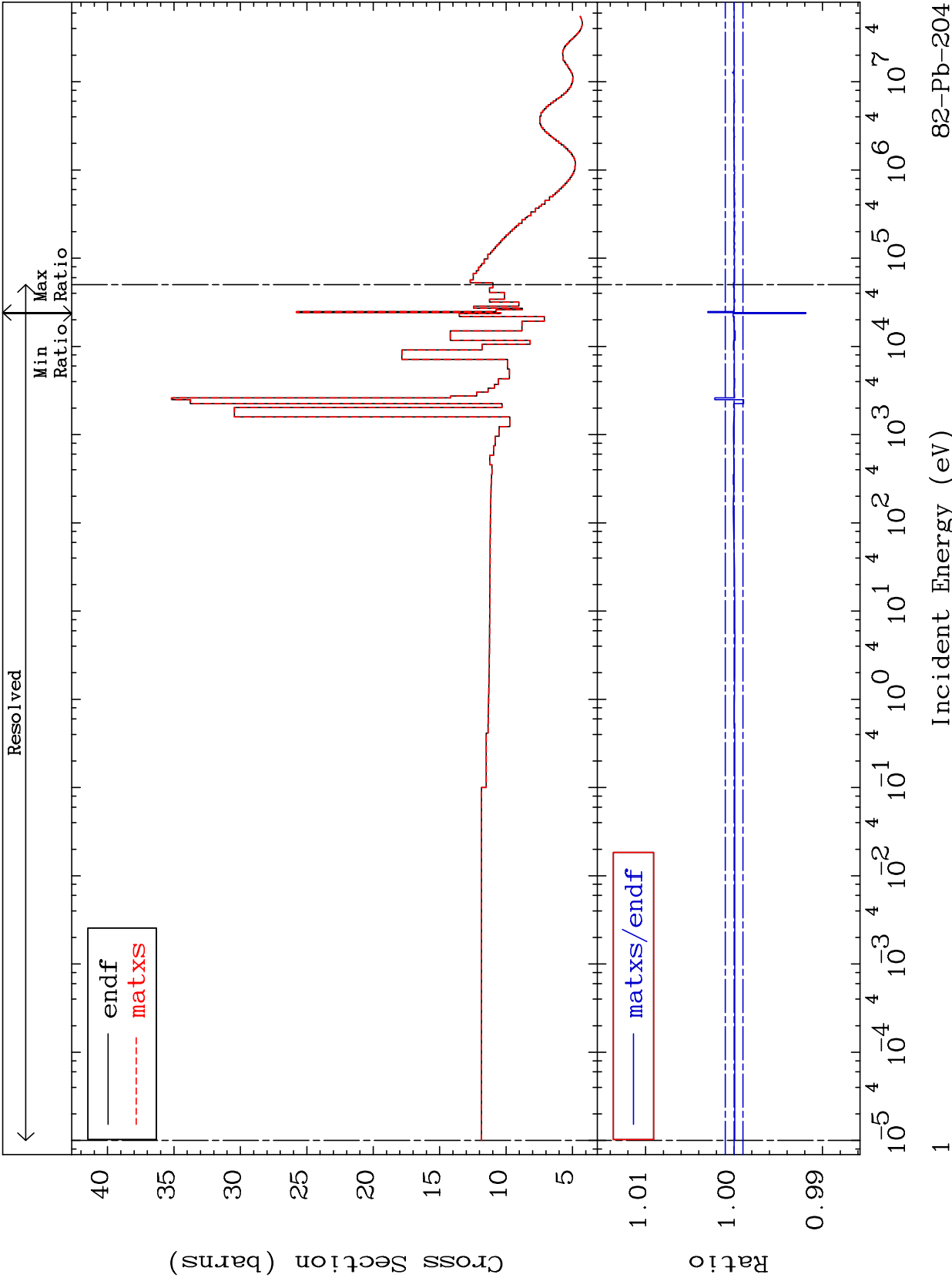
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8225

Total
Cross Section

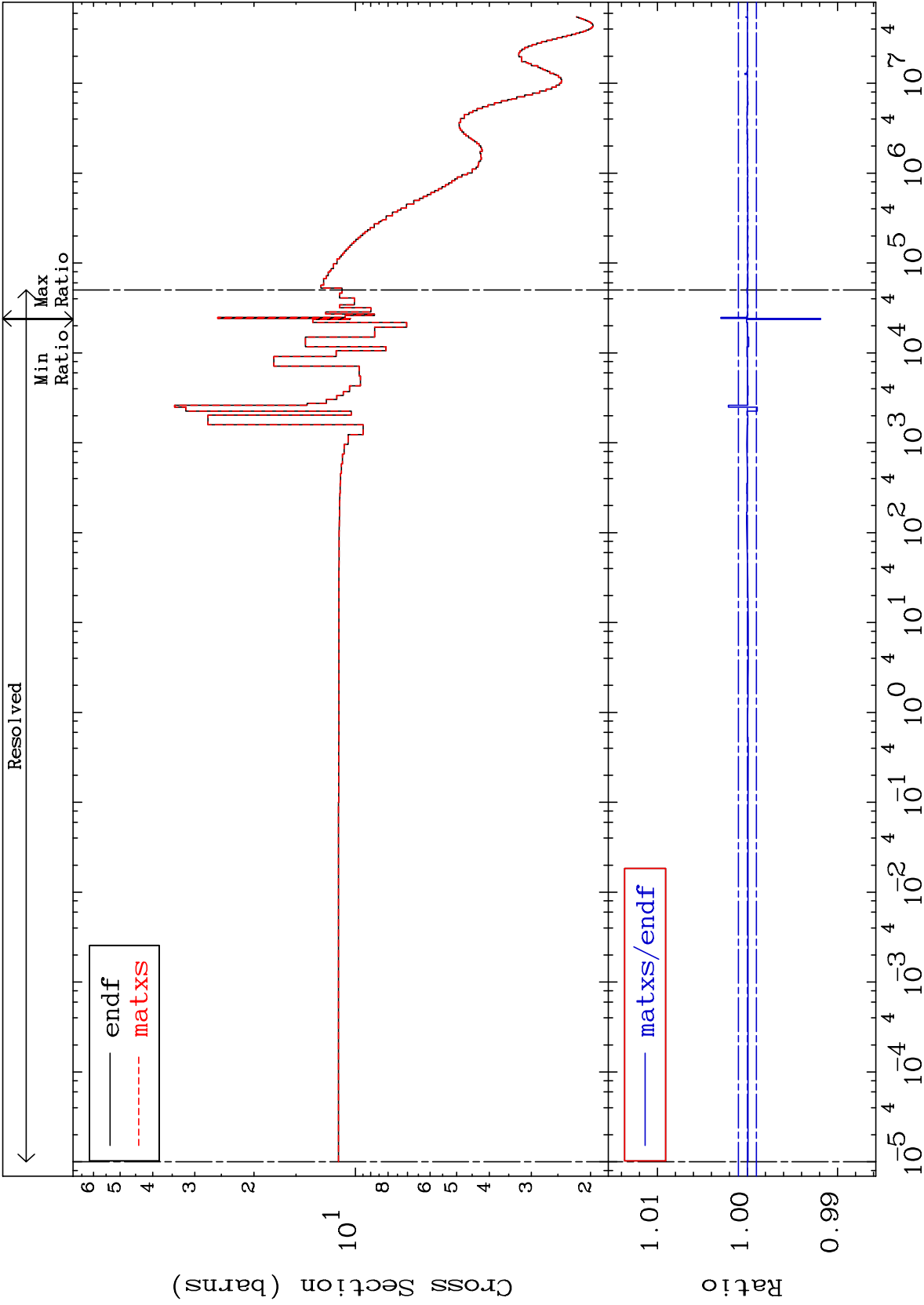
82-Pb-204
-0.810 To 0.296 %



MAT 8225

Elastic
Cross Section

82-Pb-204
-0.812 To 0.295 %



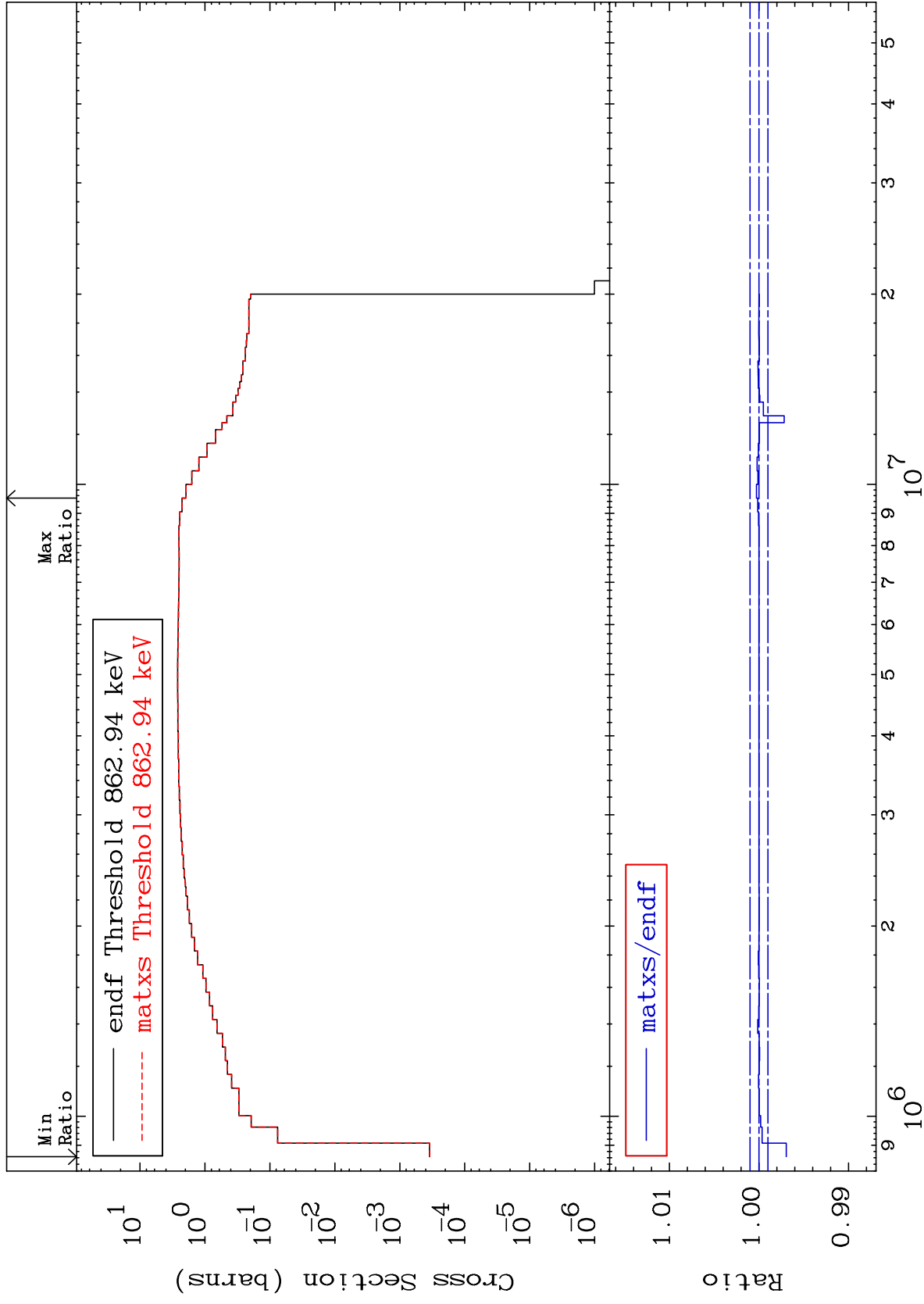
2

Incident Energy (eV)

82-Pb-204

MAT 8225

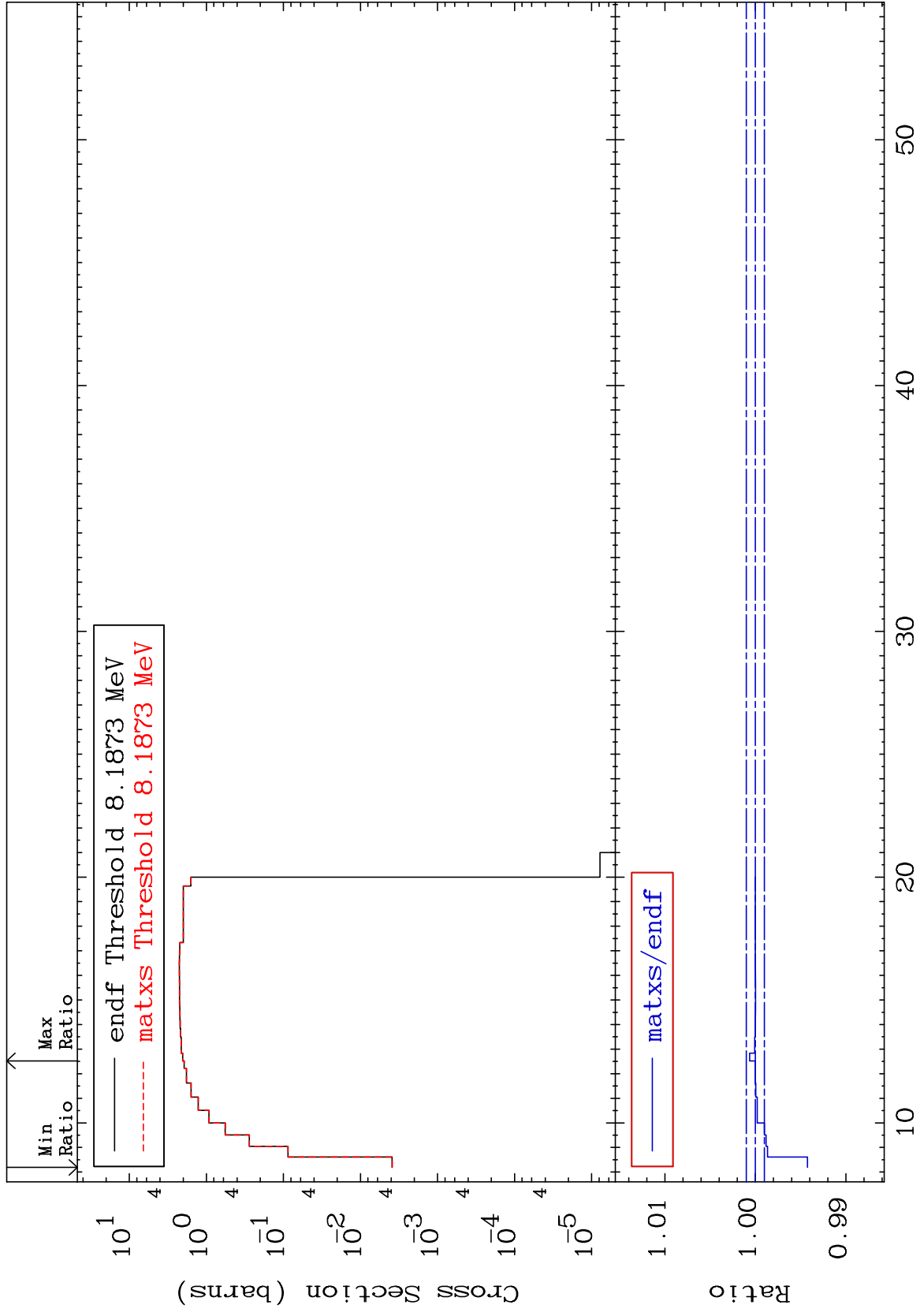
Inelastic Cross Section
82-Pb-204
-0.305 To 0.029 %



MAT 8225

(n,2n)
Cross Section

82-Pb-204
-0.575 To 0.063 %



4

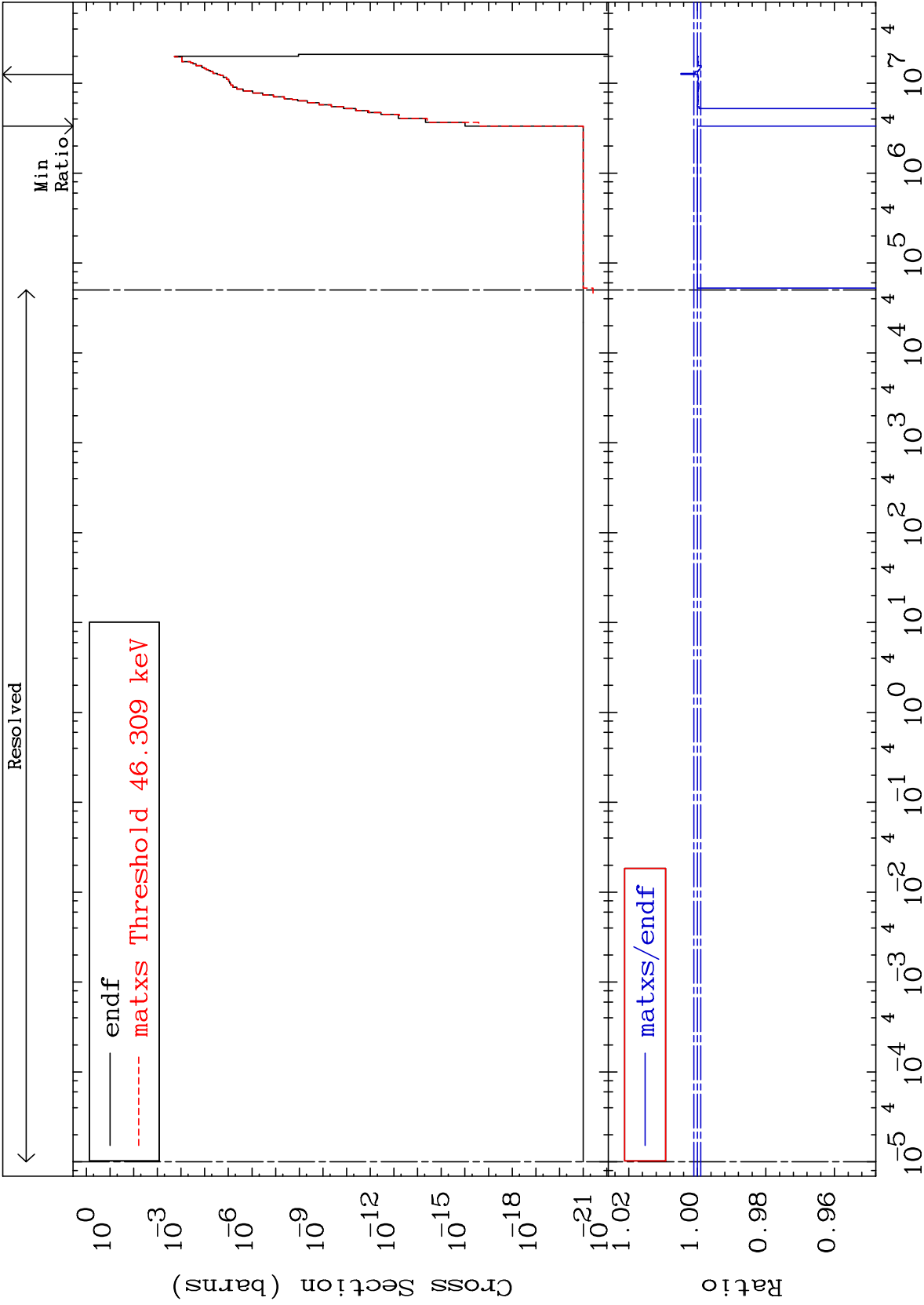
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

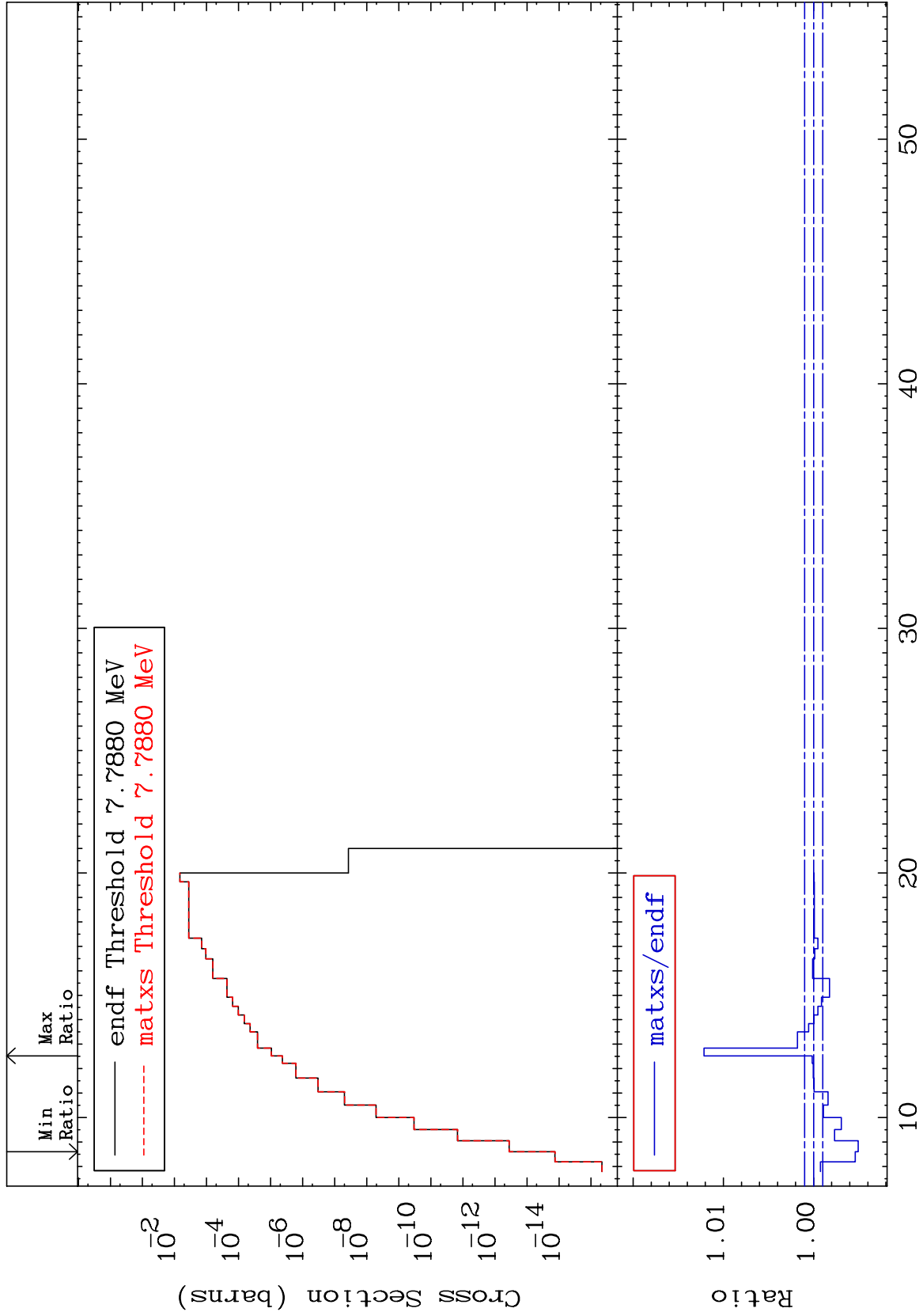
82-Pb-204
-74.11 To 0.479 %



MAT 8225

(n, n') p
Cross Section

82-Pb-204
-0.494 To 1.215 %



6

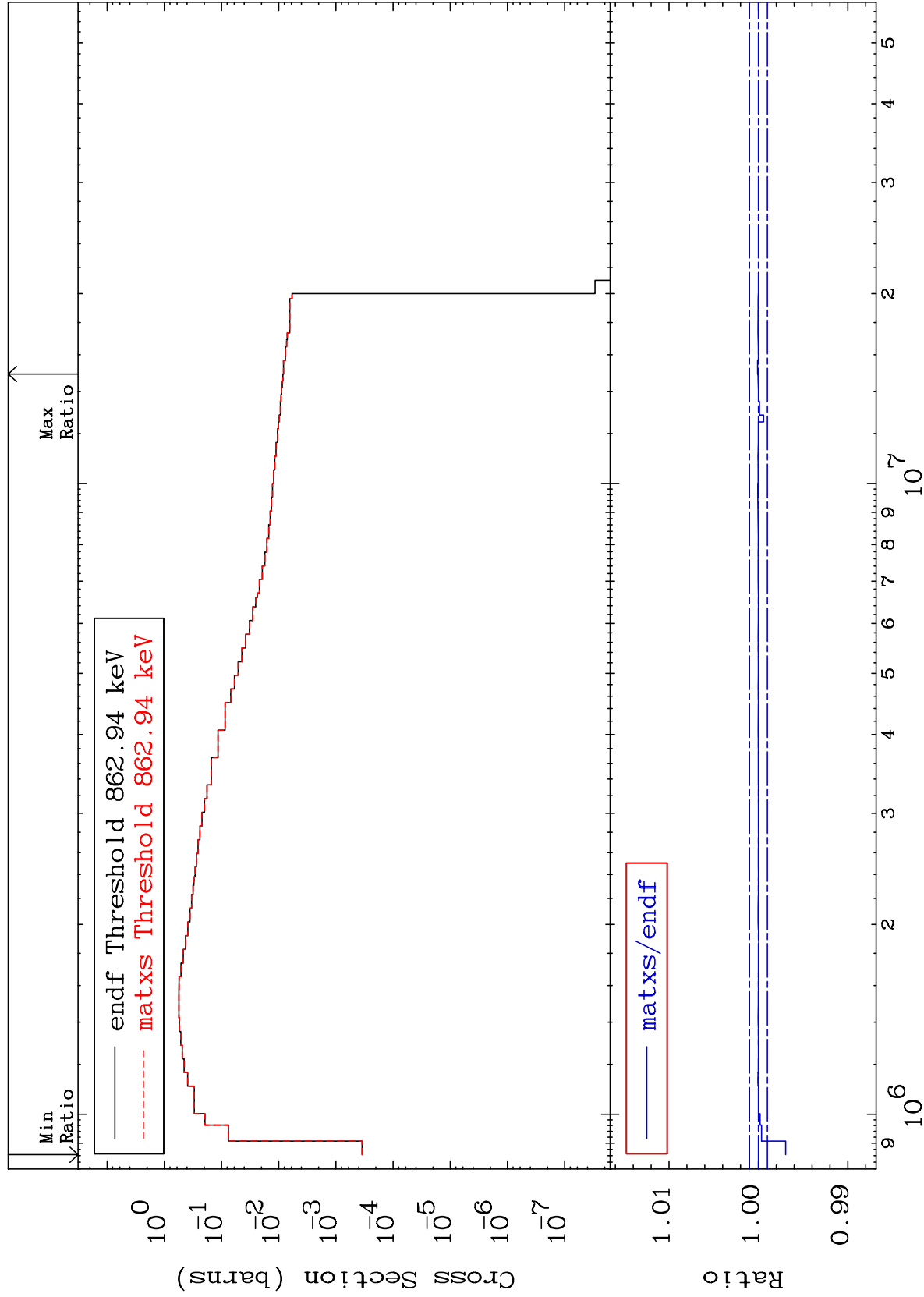
Incident Energy (MeV)

82-Pb-204

MAT 8225

899.2 keV (n,n') Level
Cross Section

82-Pb-204
-0.305 To 0.009 %



7

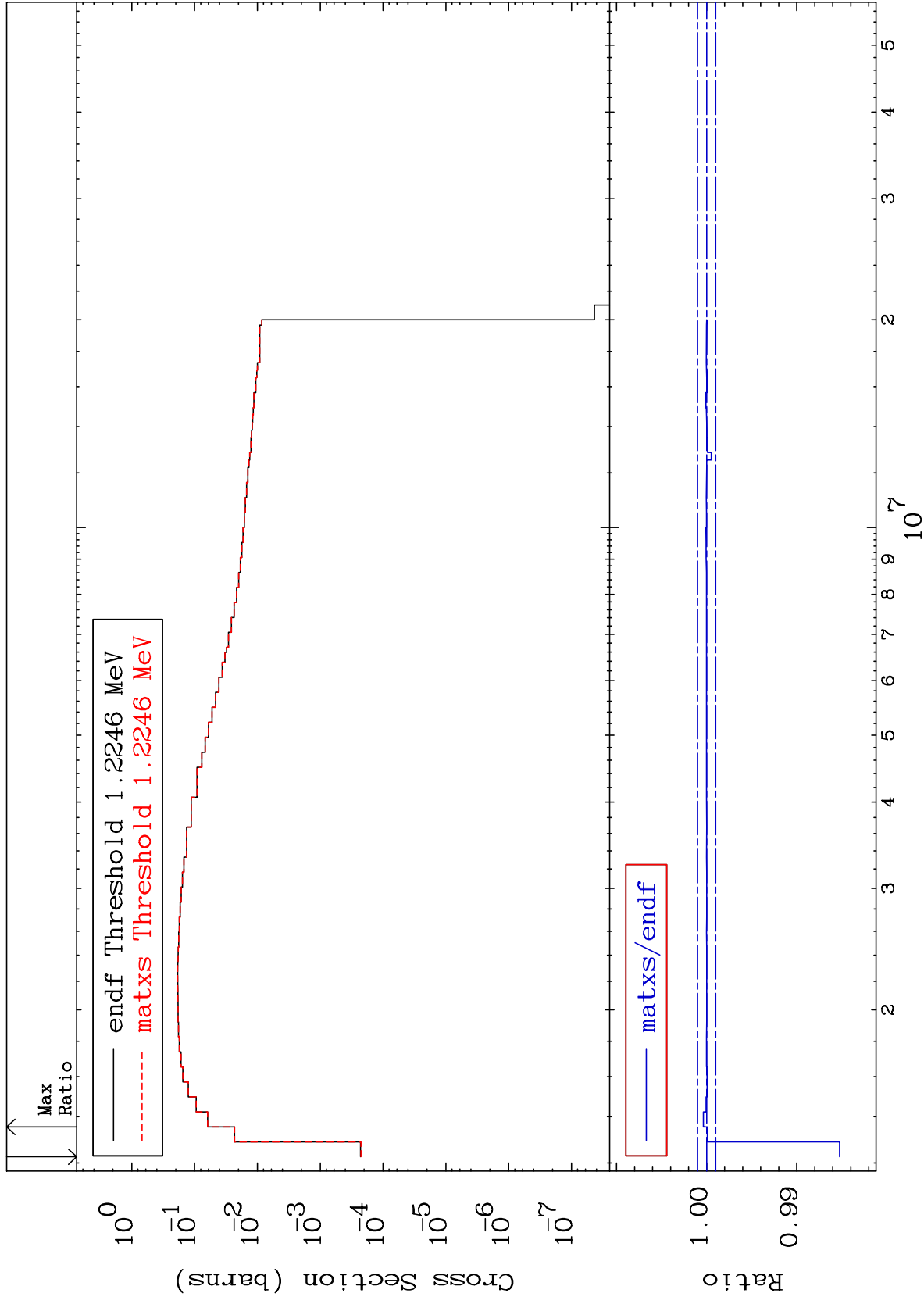
Incident Energy (eV)

82-Pb-204

MAT 8225

1.274 MeV (n,n') Level
Cross Section

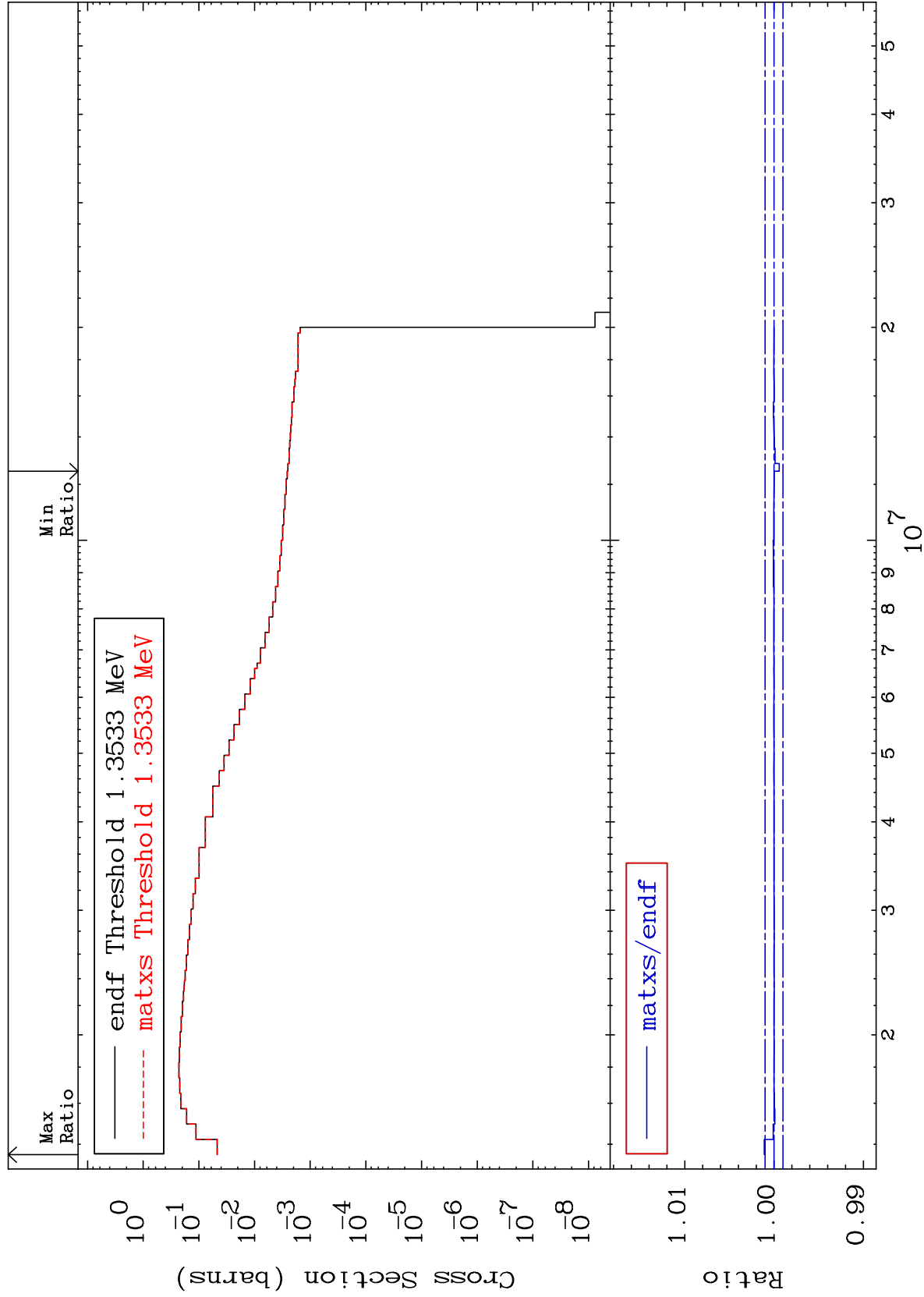
82-Pb-204
-1.475 To 0.037 %



MAT 8225

1.351 MeV (n,n') Level
Cross Section

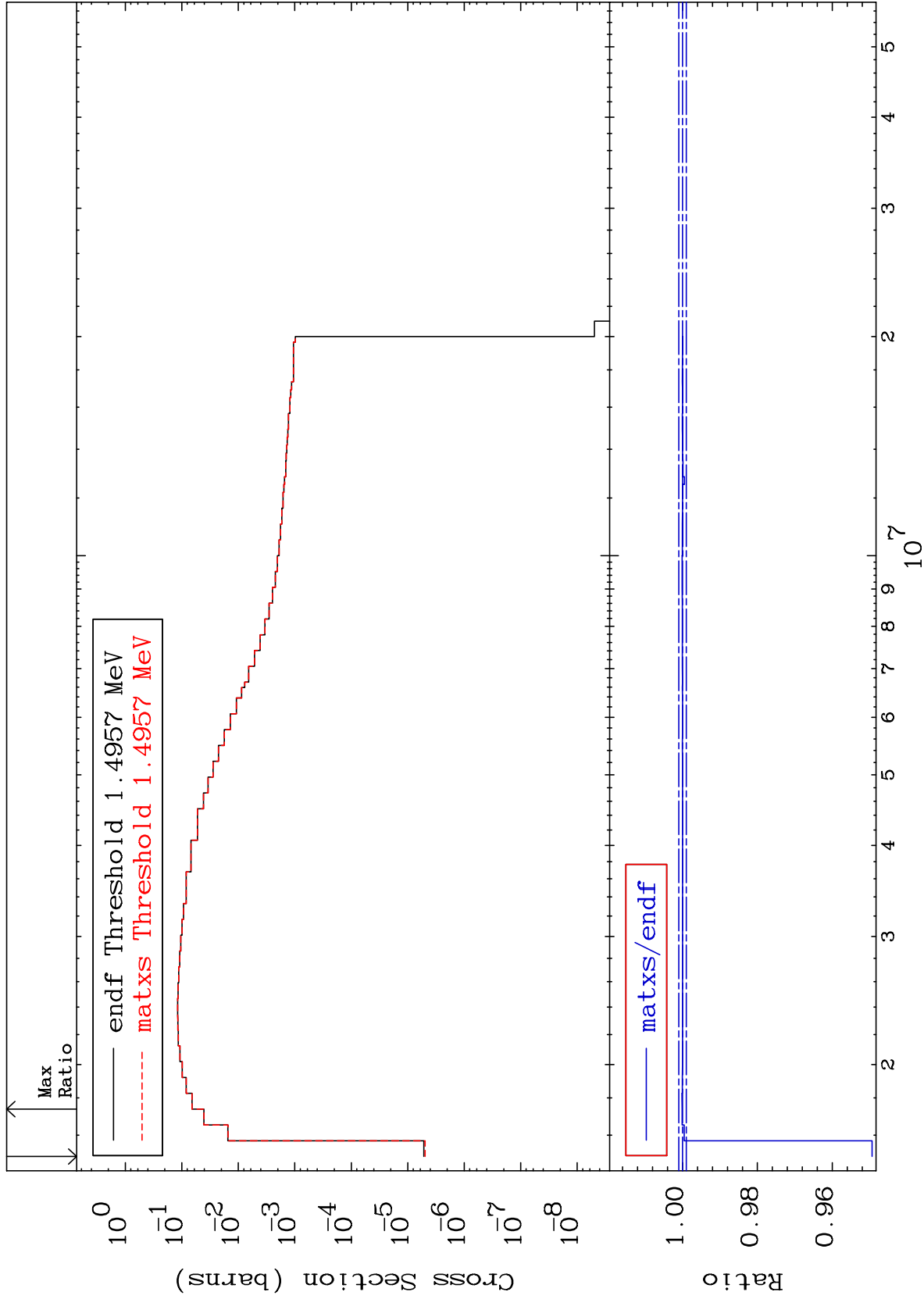
82-Pb-204
-0.056 To 0.111 %



MAT 8225

1.563 MeV (n,n') Level
Cross Section

82-Pb-204
-5.062 To 0.015 %



10

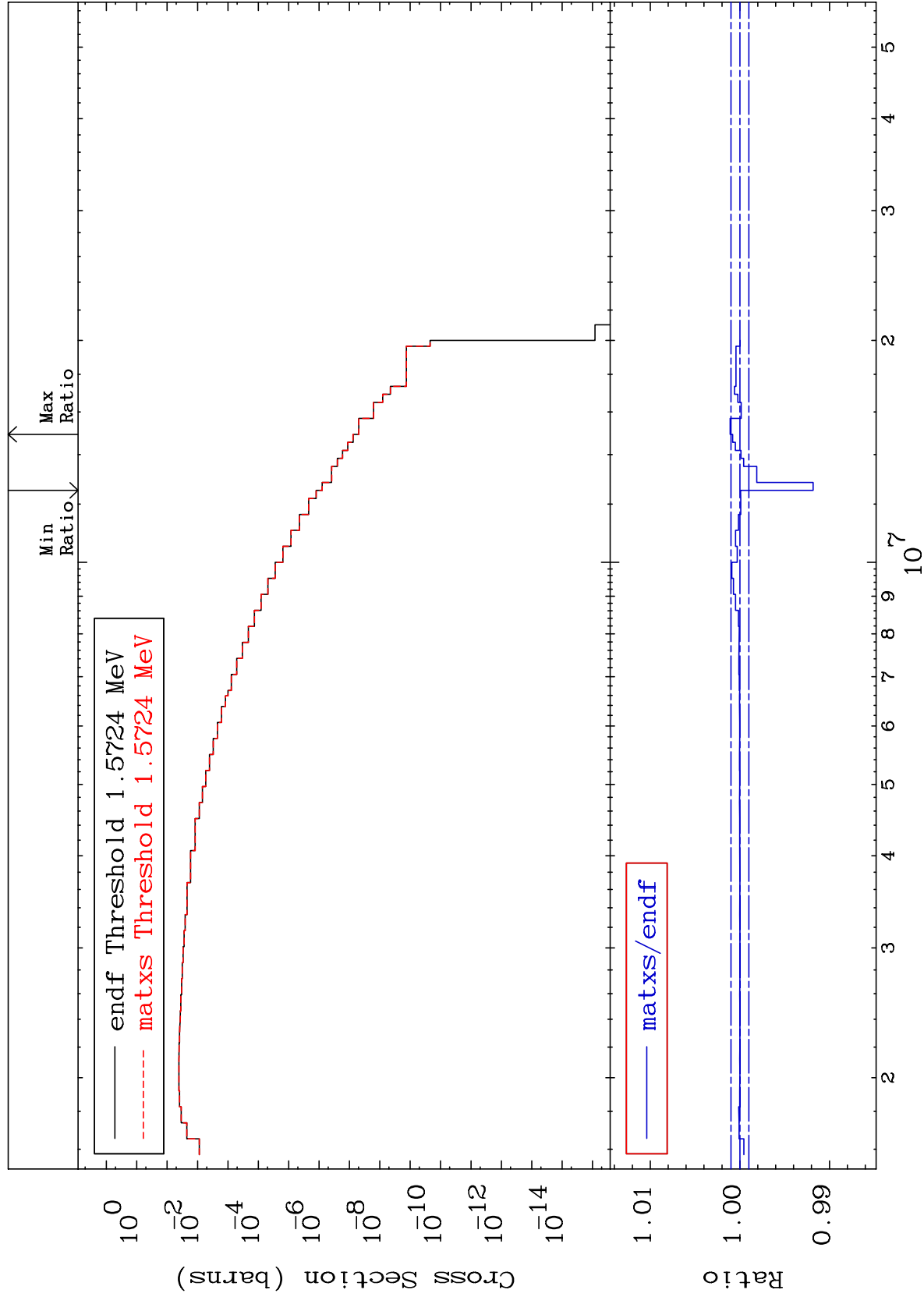
Incident Energy (eV)

82-Pb-204

MAT 8225

1.583 MeV (n,n') Level
Cross Section

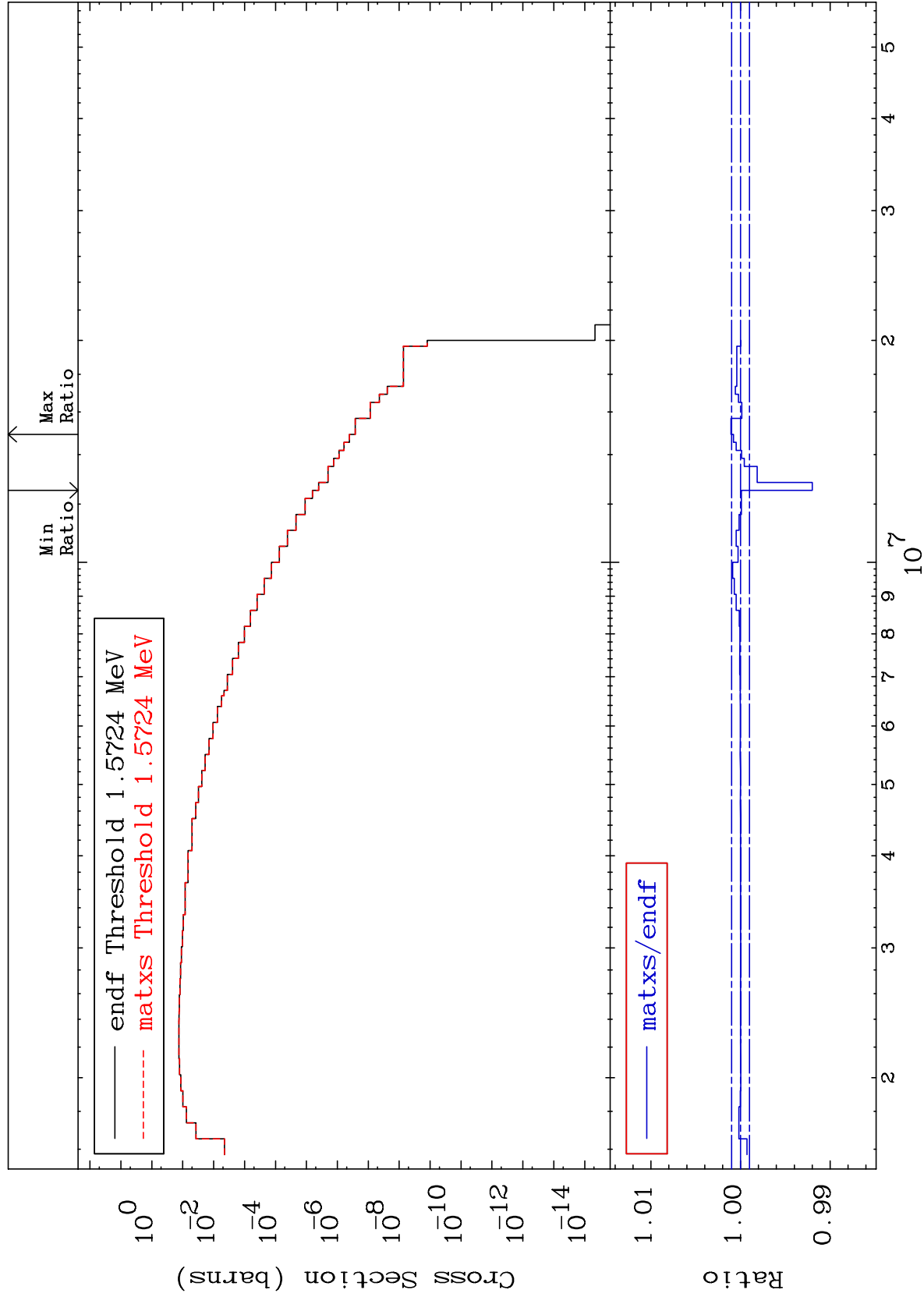
82-Pb-204
-0.817 To 0.108 %



MAT 8225

1.605 MeV (n,n') Level
Cross Section

82-Pb-204
-0.801 To 0.107 %



12

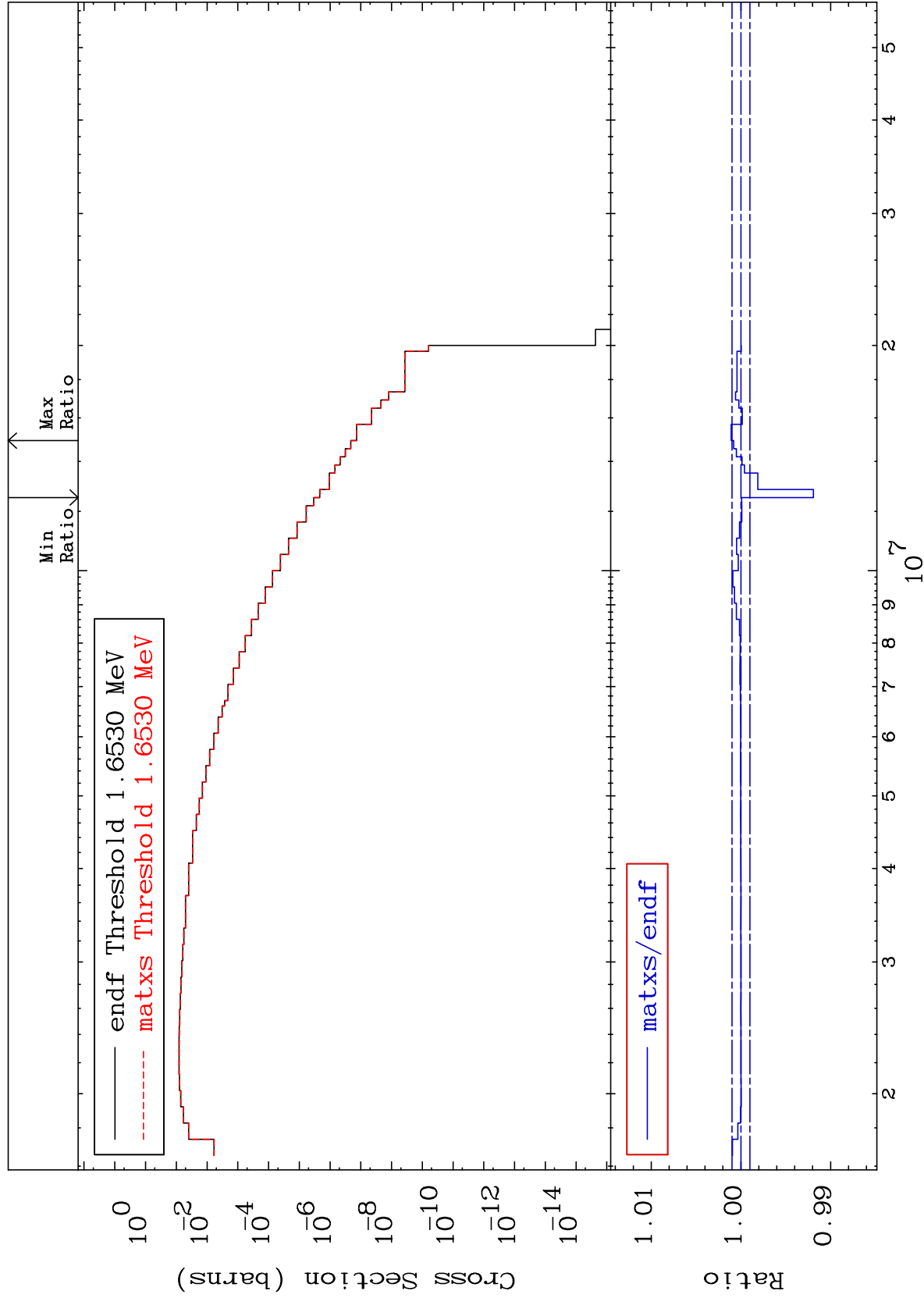
Incident Energy (eV)

82-Pb-204

MAT 8225

1.681 MeV (n,n') Level
Cross Section

82-Pb-204
-0.808 To 0.108 %



13

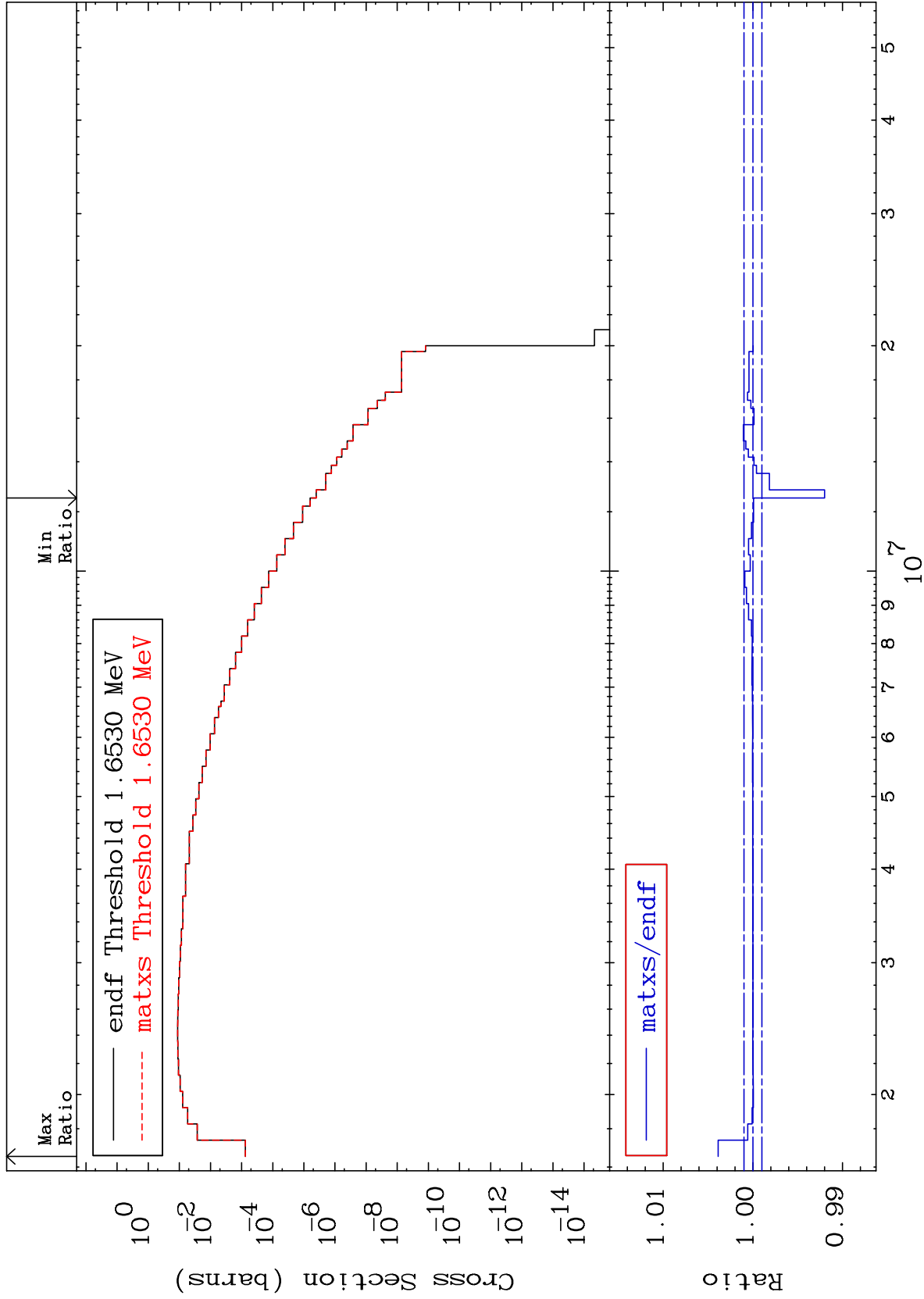
Incident Energy (eV)

82-Pb-204

MAT 8225

1.712 MeV (n,n') Level
Cross Section

82-Pb-204
-0.800 To 0.387 %



14

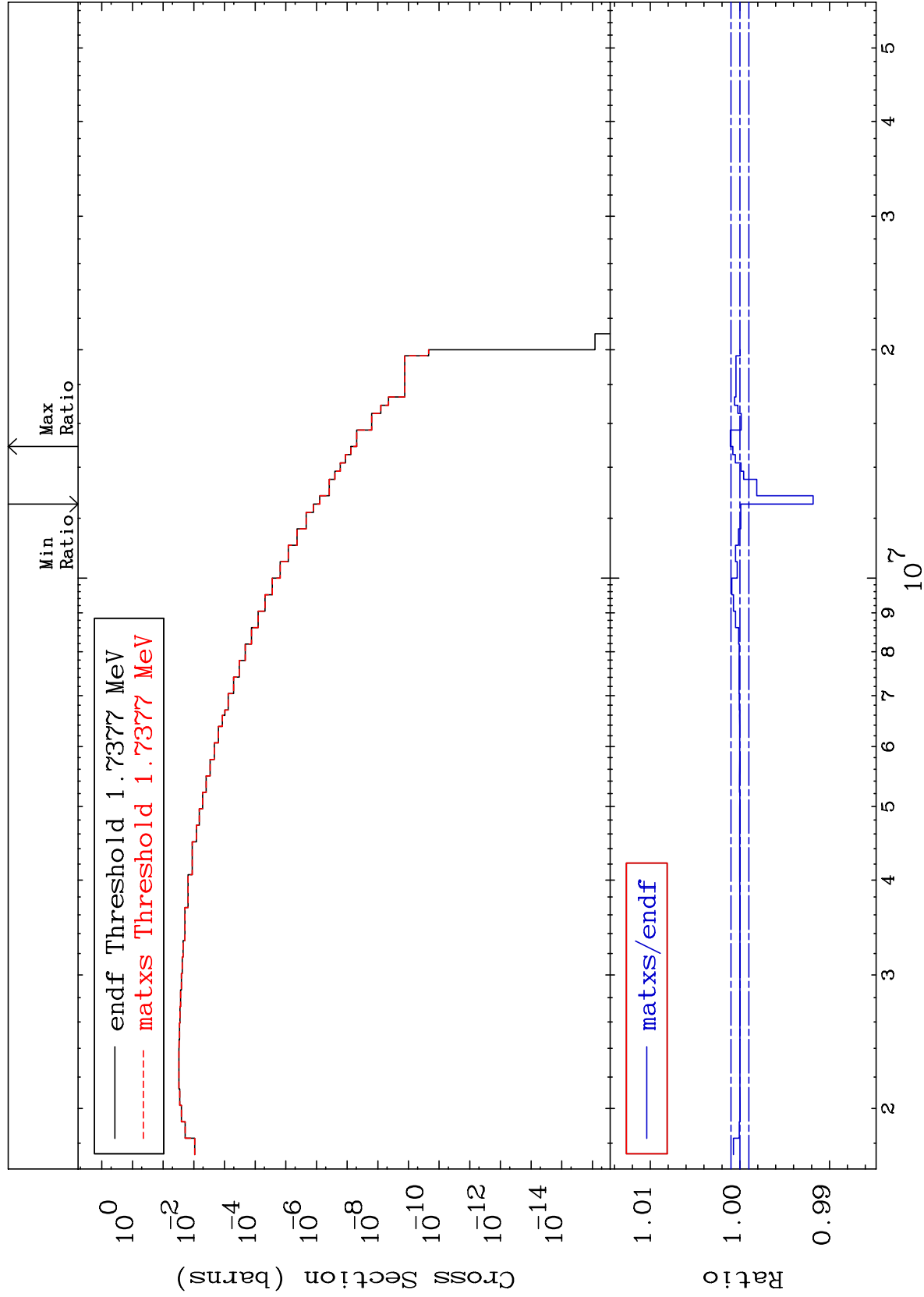
Incident Energy (eV)

82-Pb-204

MAT 8225

1.730 MeV (n,n') Level
Cross Section

82-Pb-204
-0.816 To 0.107 %



15

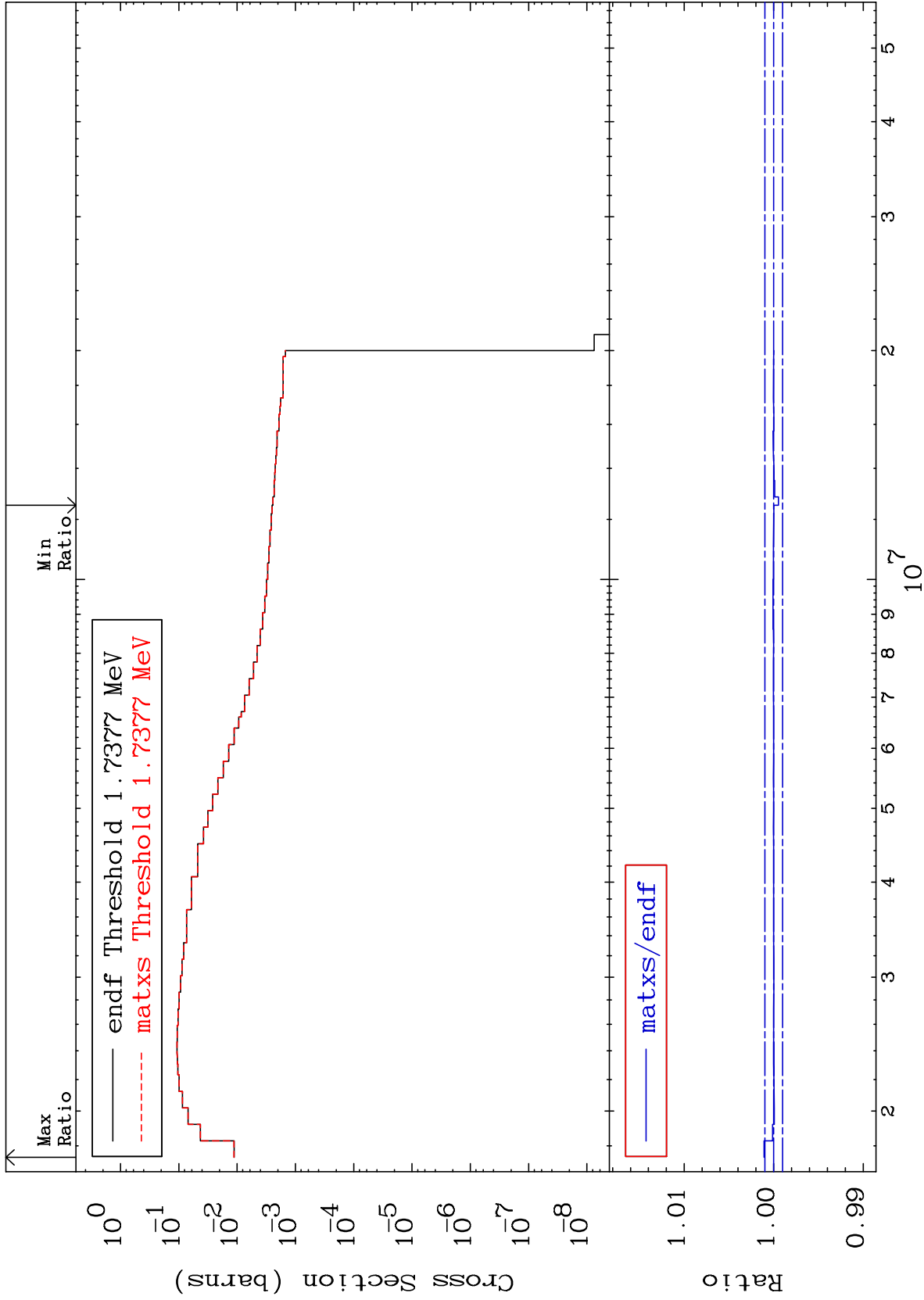
Incident Energy (eV)

82-Pb-204

MAT 8225

1.761 MeV (n,n') Level
Cross Section

82-Pb-204
-0.054 To 0.109 %



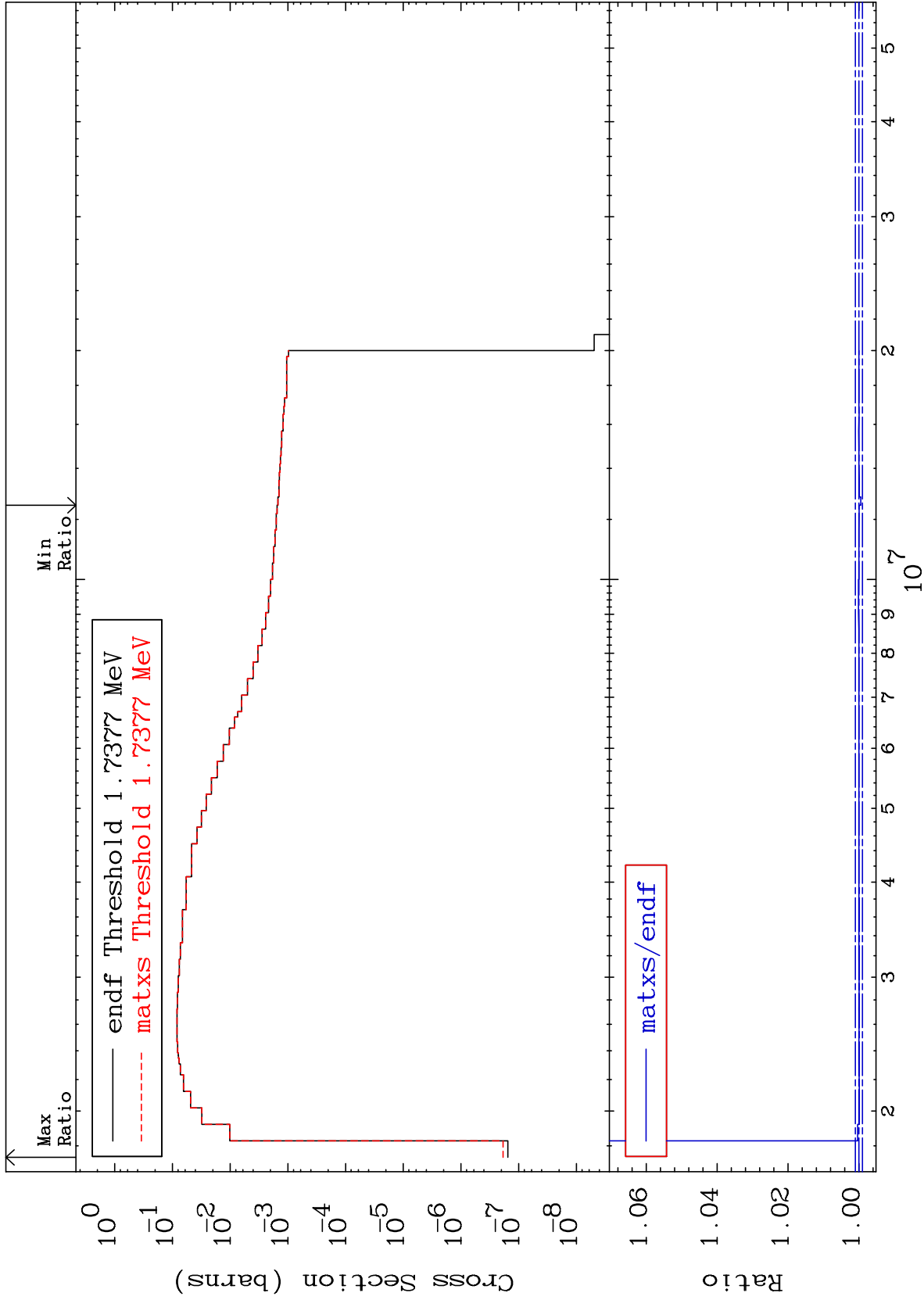
16

82-Pb-204

MAT 8225

1.817 MeV (n,n') Level
Cross Section

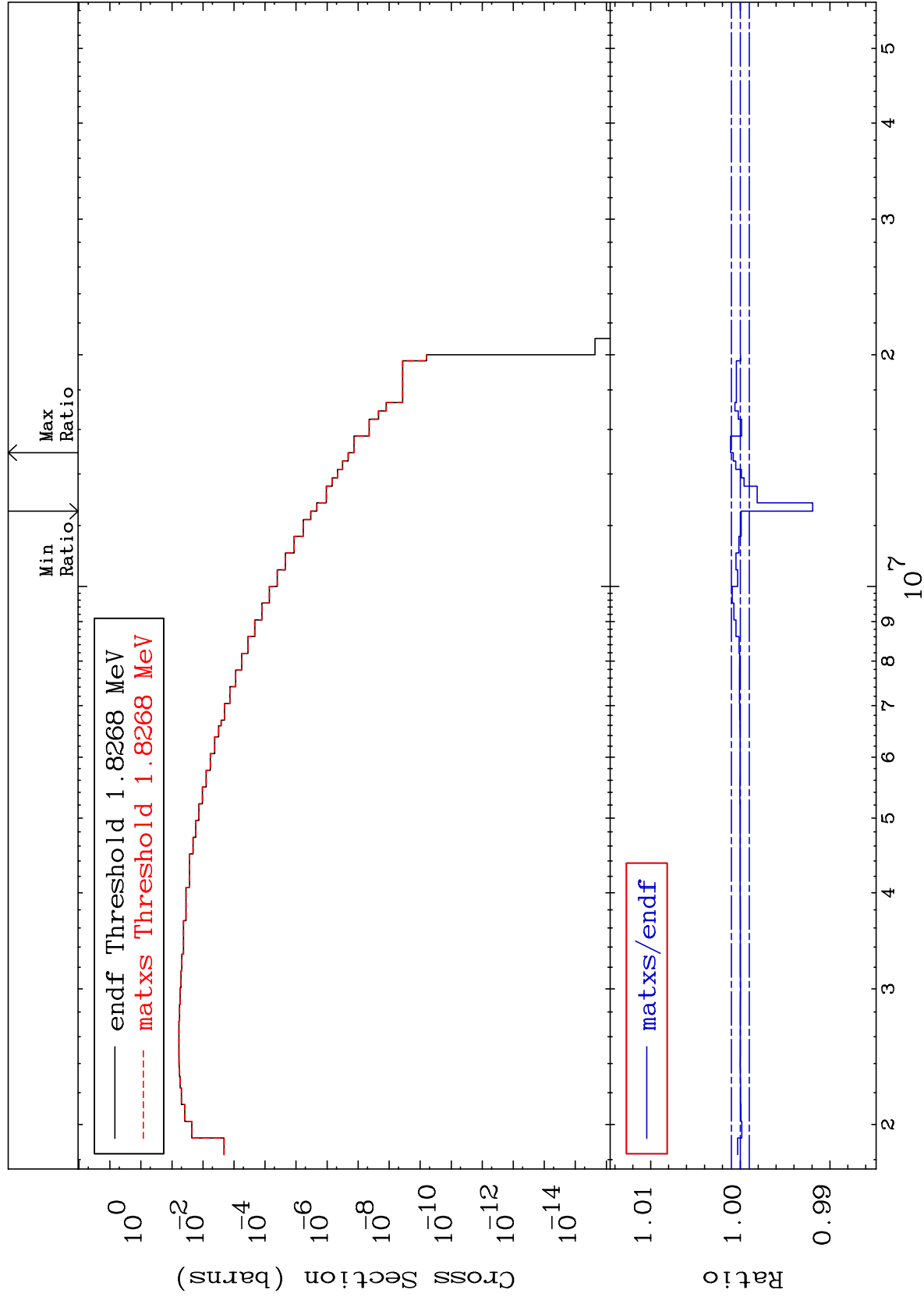
82-Pb-204
-0.050 To 20.62 %



MAT 8225

1.872 MeV (n,n') Level
Cross Section

82-Pb-204
-0.807 To 0.108 %



18

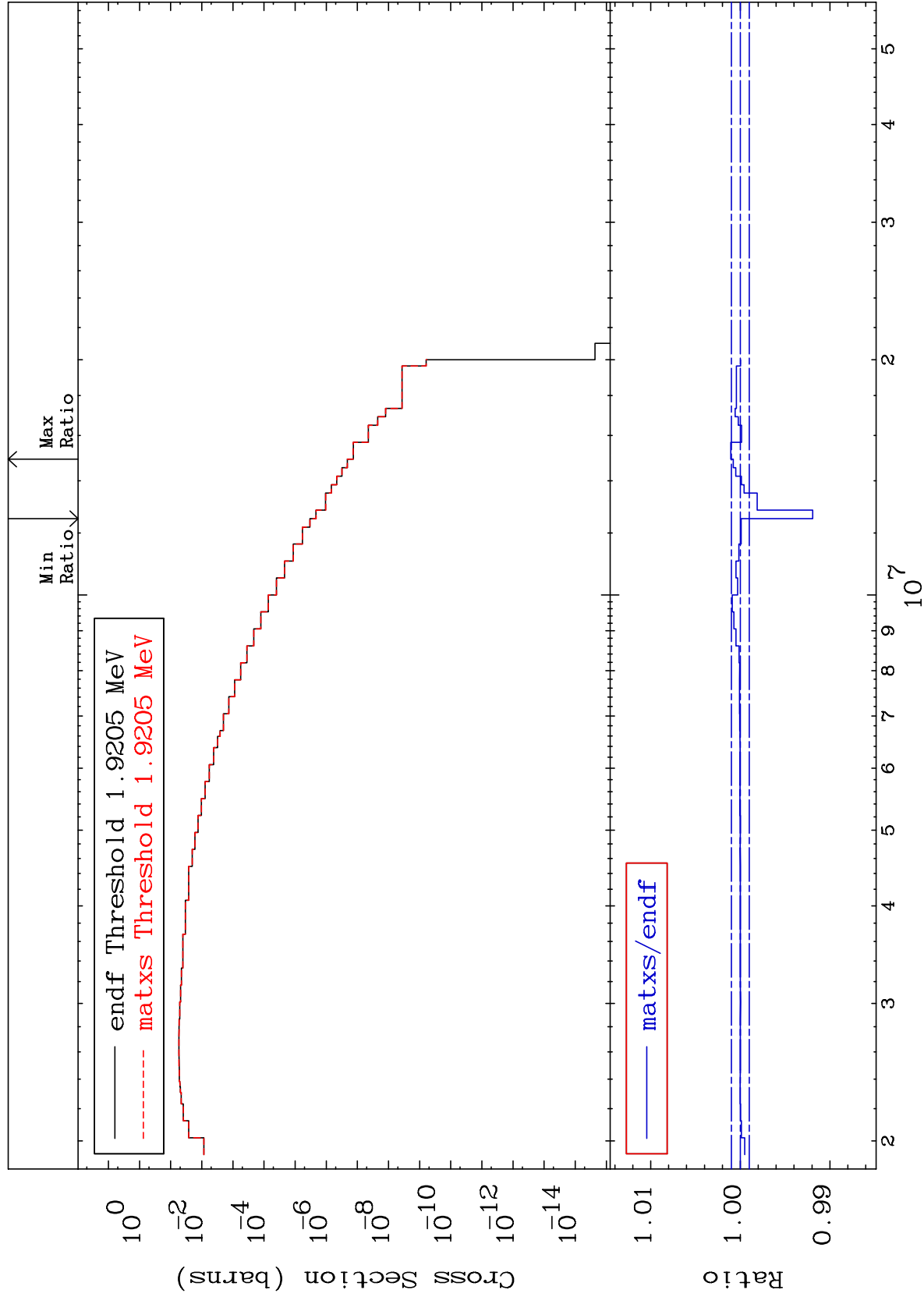
Incident Energy (eV)

82-Pb-204

MAT 8225

1.933 MeV (n,n') Level
Cross Section

82-Pb-204
-0.807 To 0.107 %



19

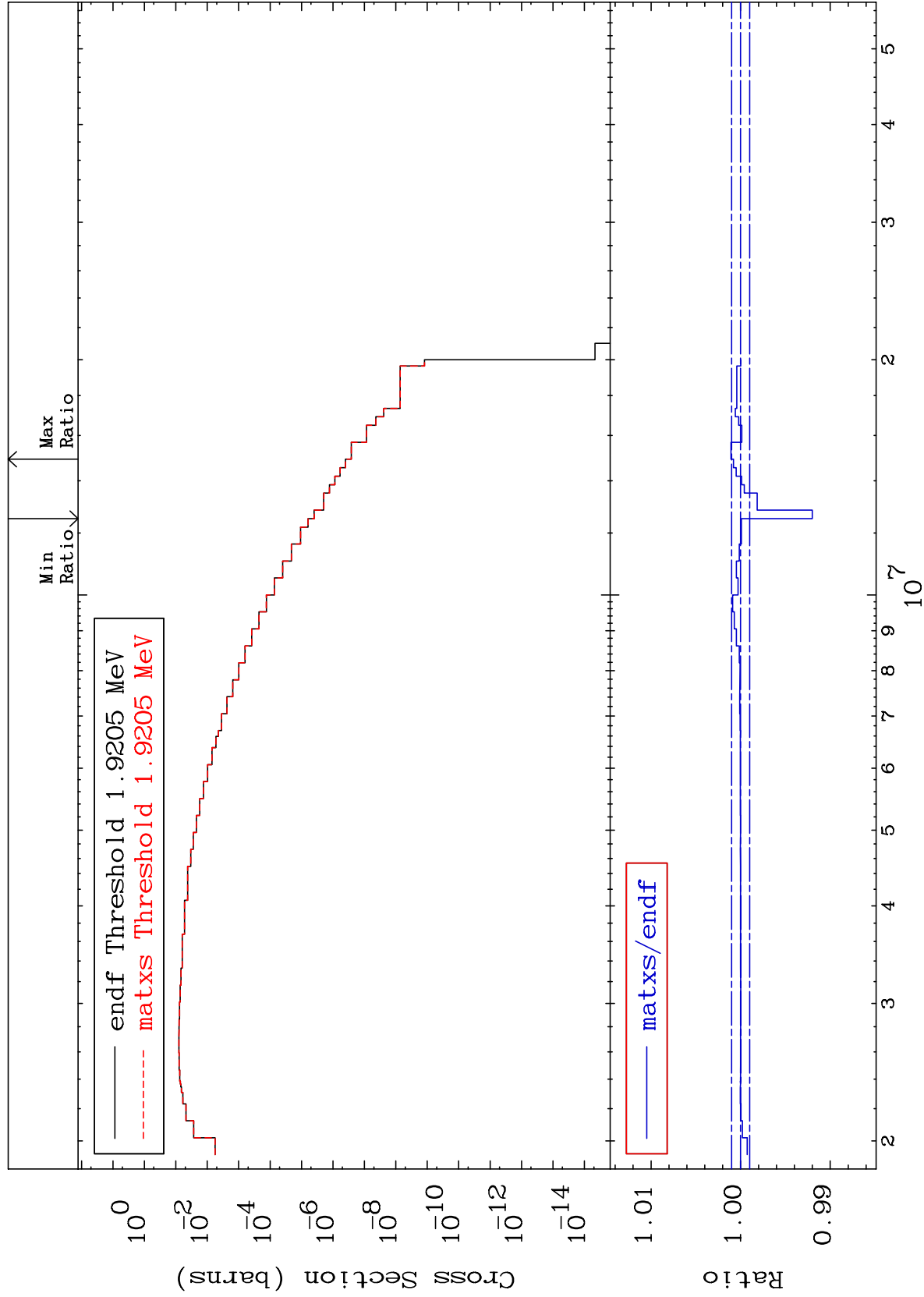
Incident Energy (eV)

82-Pb-204

MAT 8225

1.948 MeV (n,n') Level
Cross Section

82-Pb-204
-0.799 To 0.107 %



20

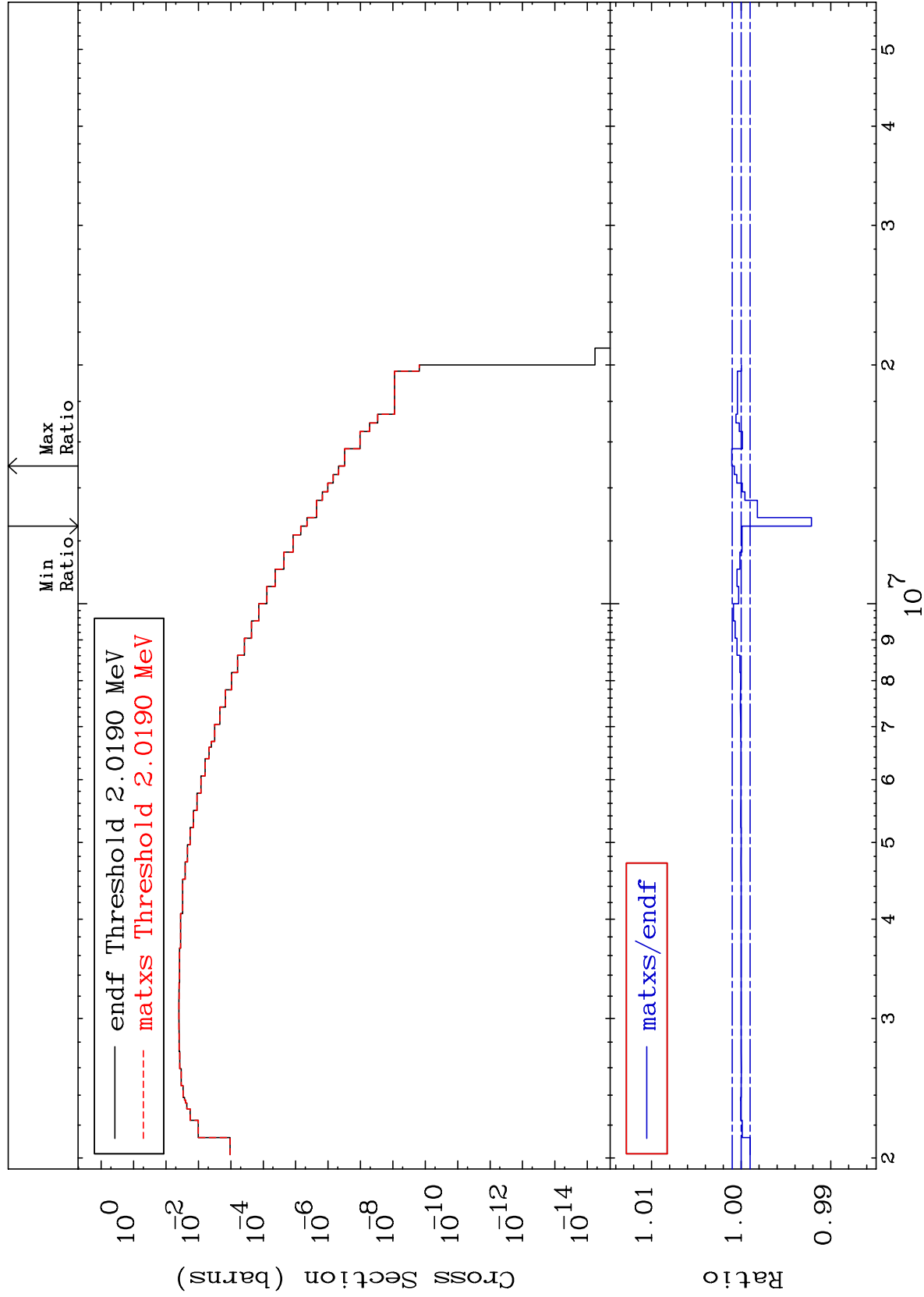
Incident Energy (eV)

82-Pb-204

MAT 8225

2.065 MeV (n,n') Level
Cross Section

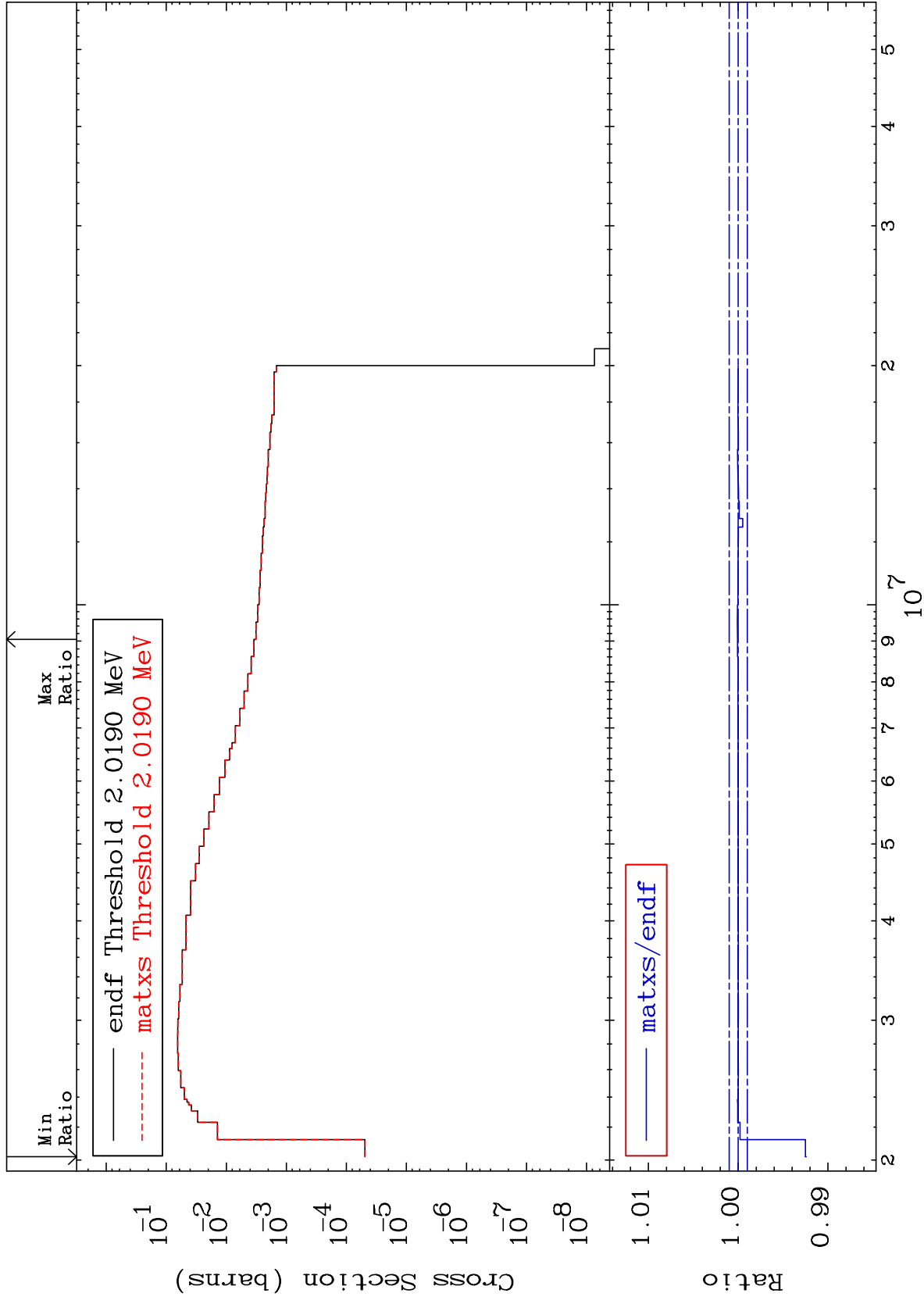
82-Pb-204
-0.785 To 0.106 %



MAT 8225

2.105 MeV (n,n') Level
Cross Section

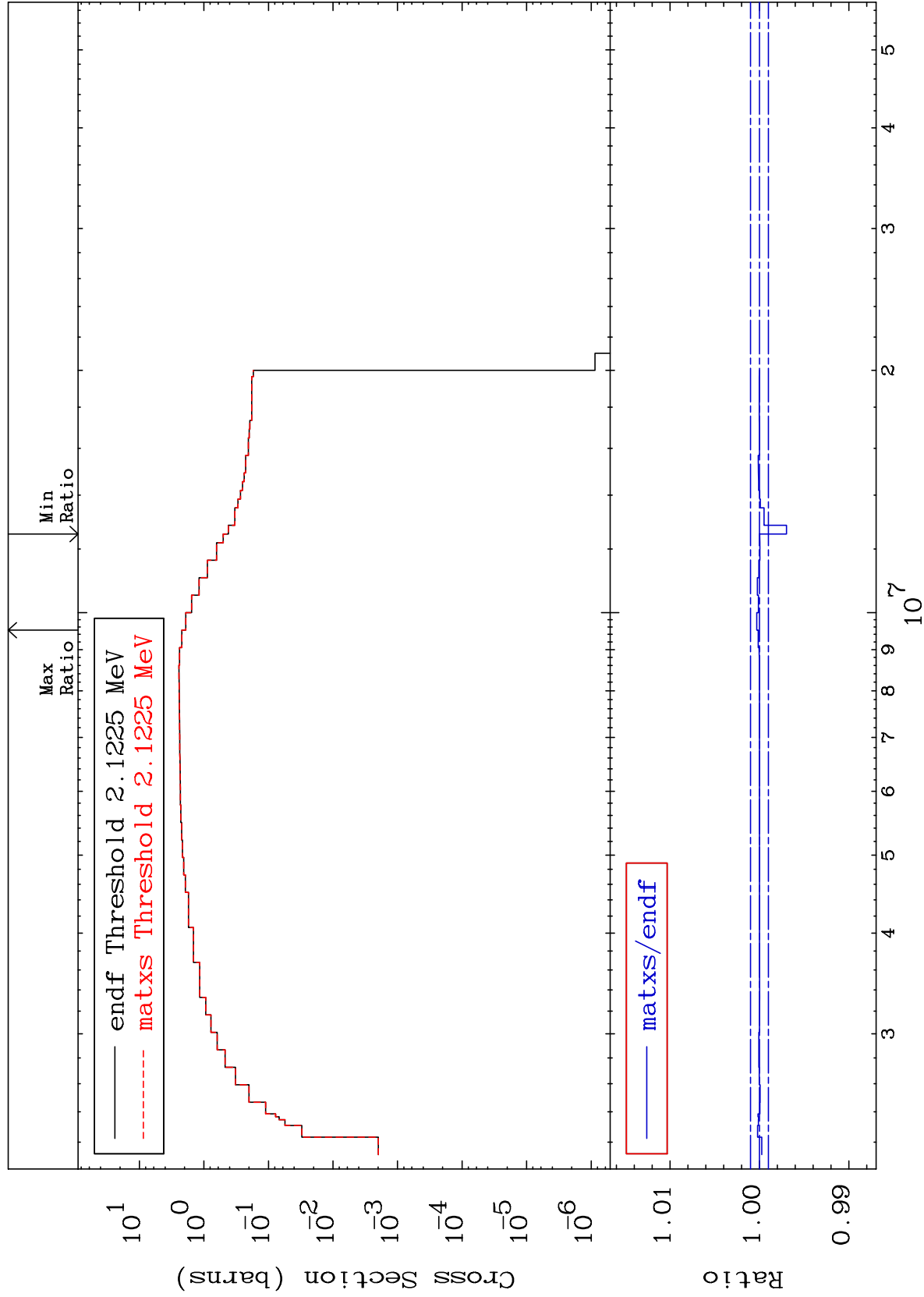
82-Pb-204
-0.748 To 0.010 %



MAT 8225

(n, n') Continuum
Cross Section

82-Pb-204
-0.303 To 0.030 %



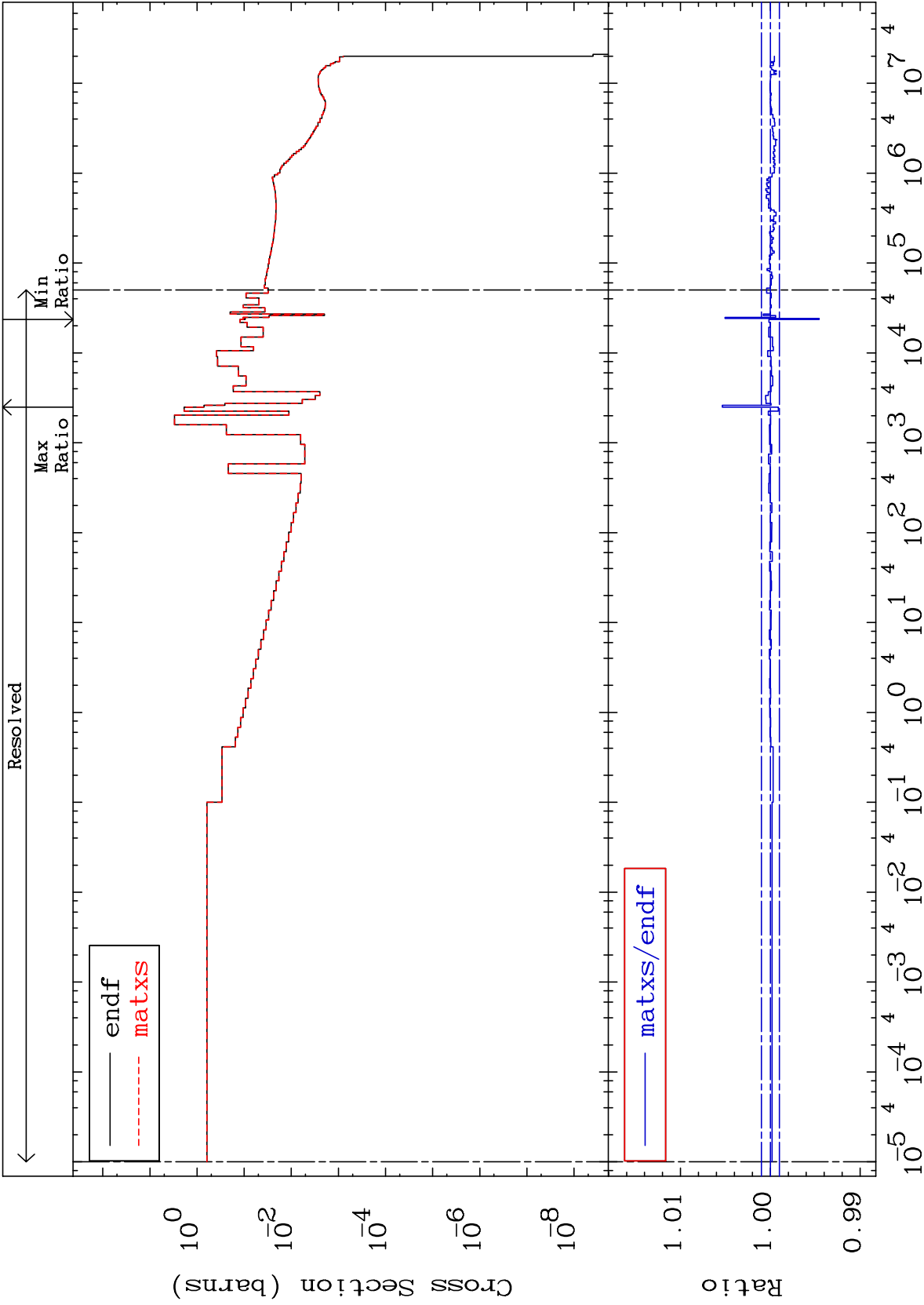
MAT 8225

(n, γ)

82-Pb-204

Cross Section

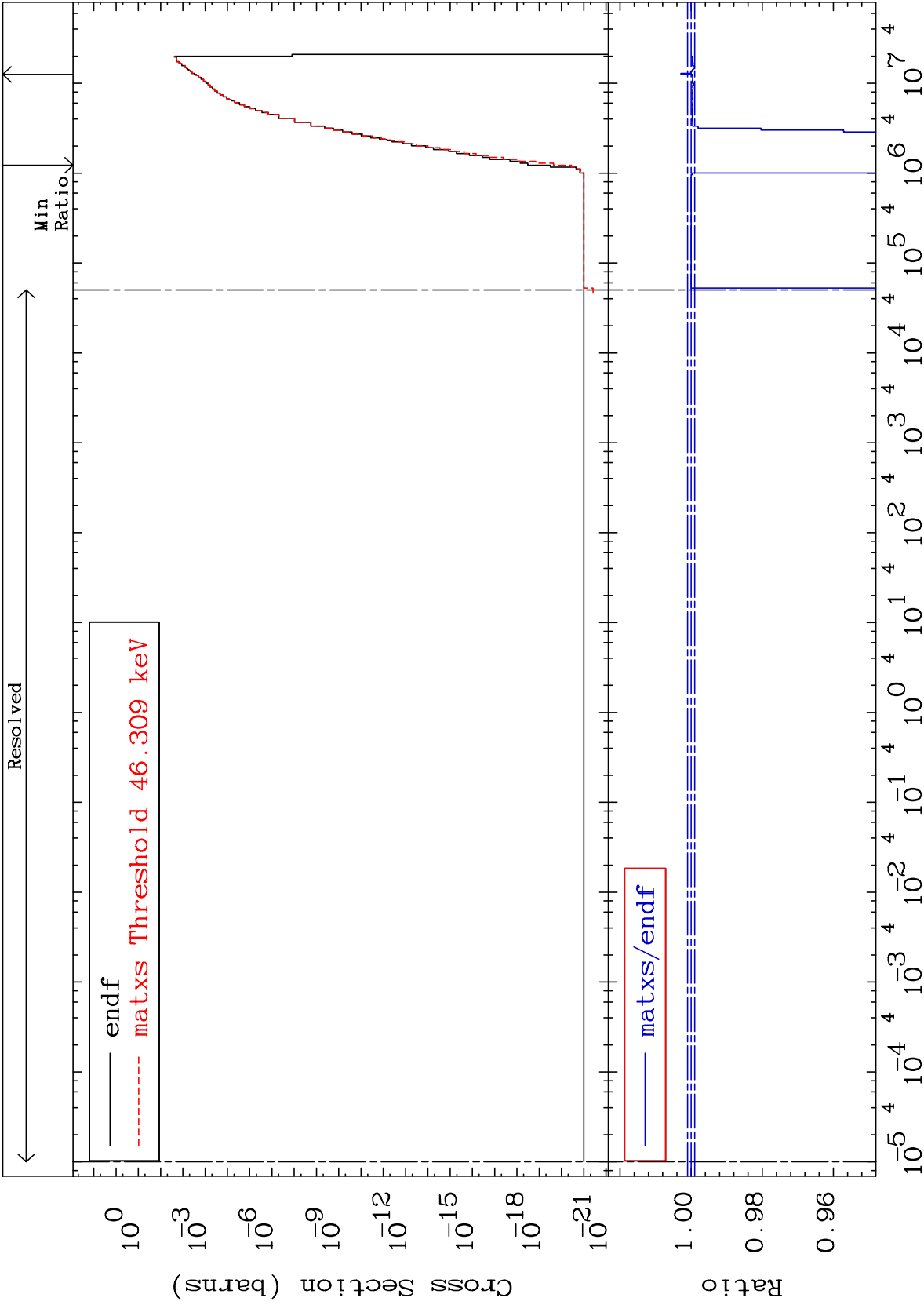
-0.543 To 0.534 %



MAT 8225

(n,p)
Cross Section

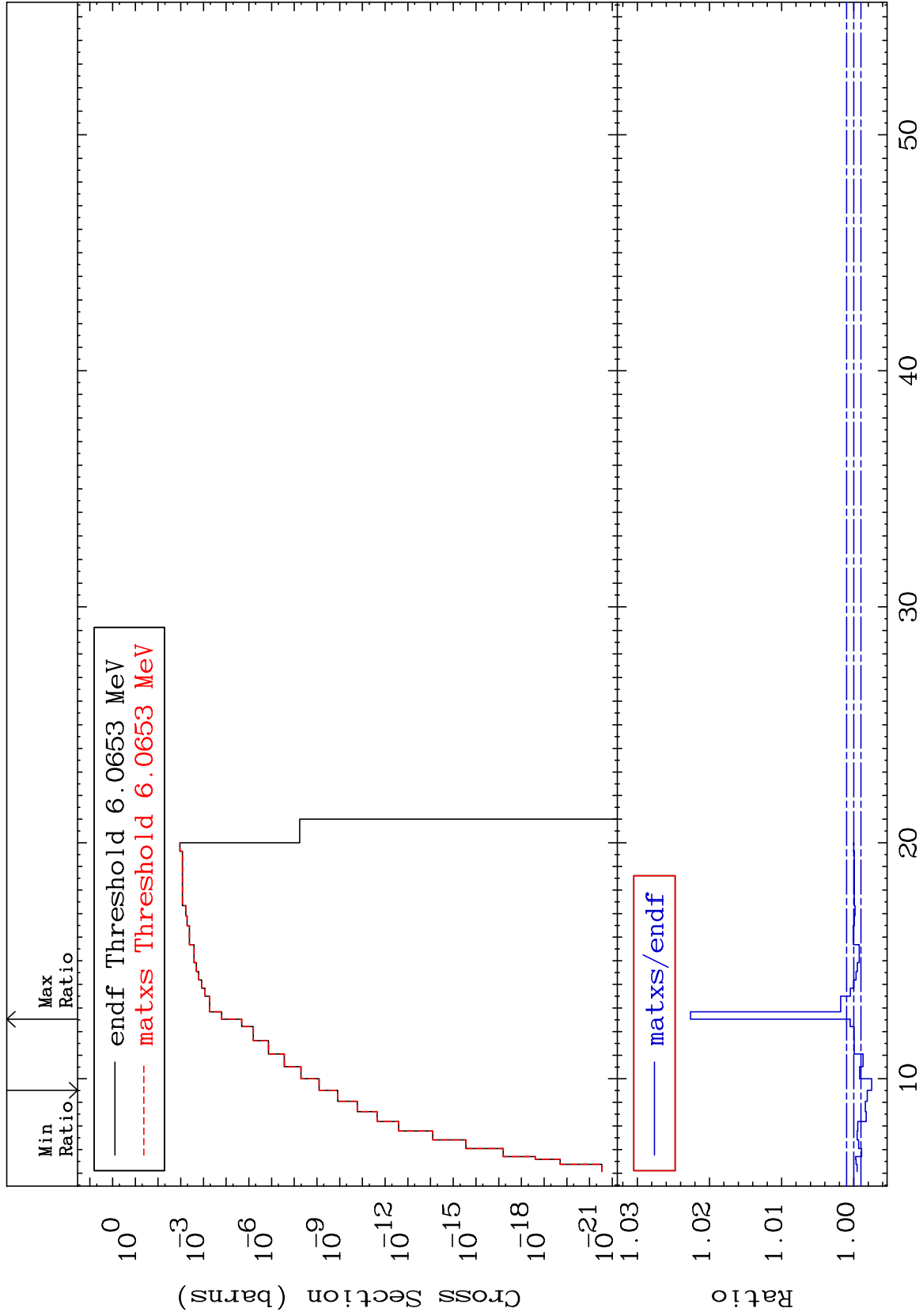
82-Pb-204
-93.09 To 0.287 %



MAT 8225

(n, d)
Cross Section

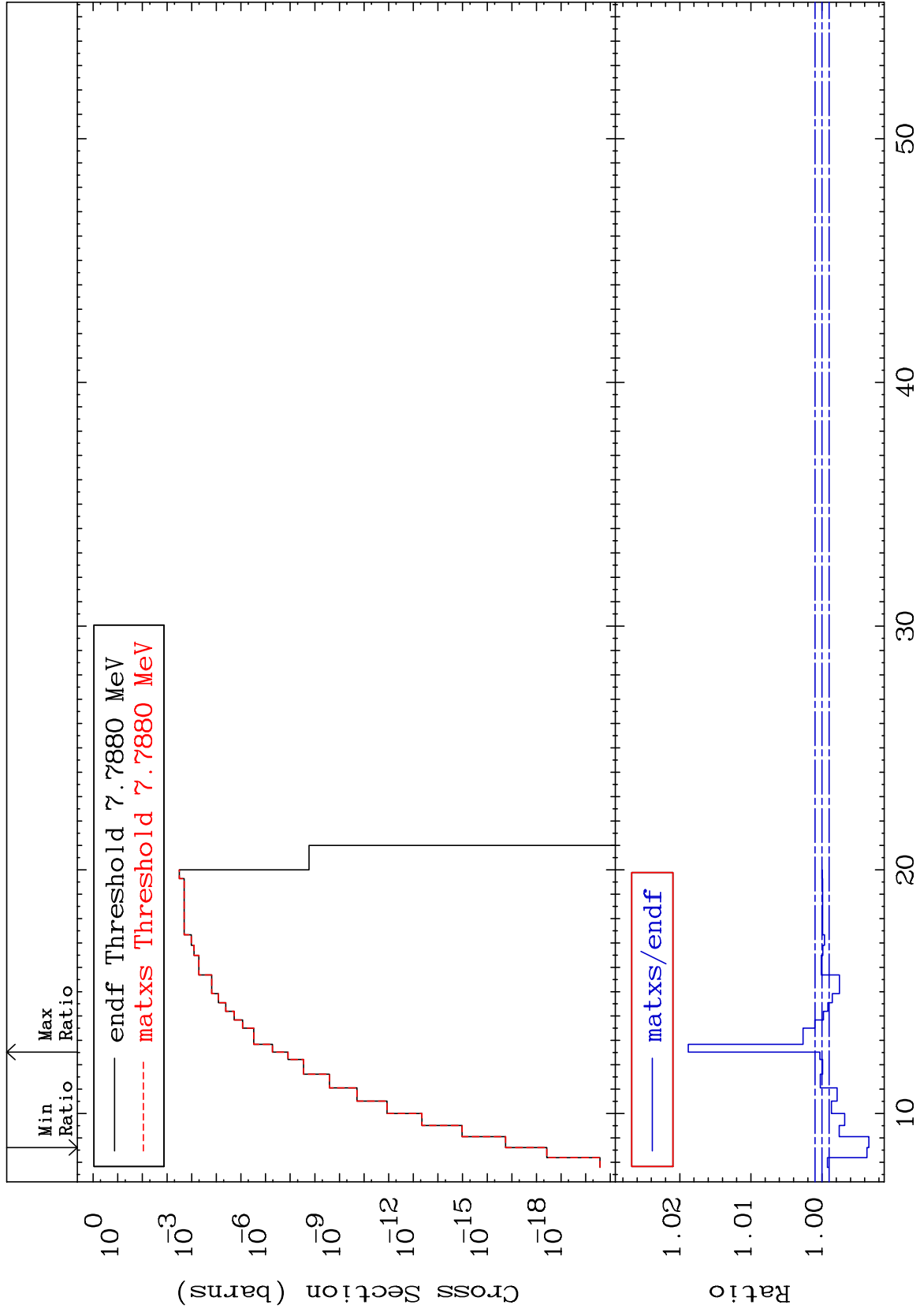
82-Pb-204
-0.248 To 2.262 %



MAT 8225

(n, t)
Cross Section

82-Pb-204
-0.658 To 1.880 %



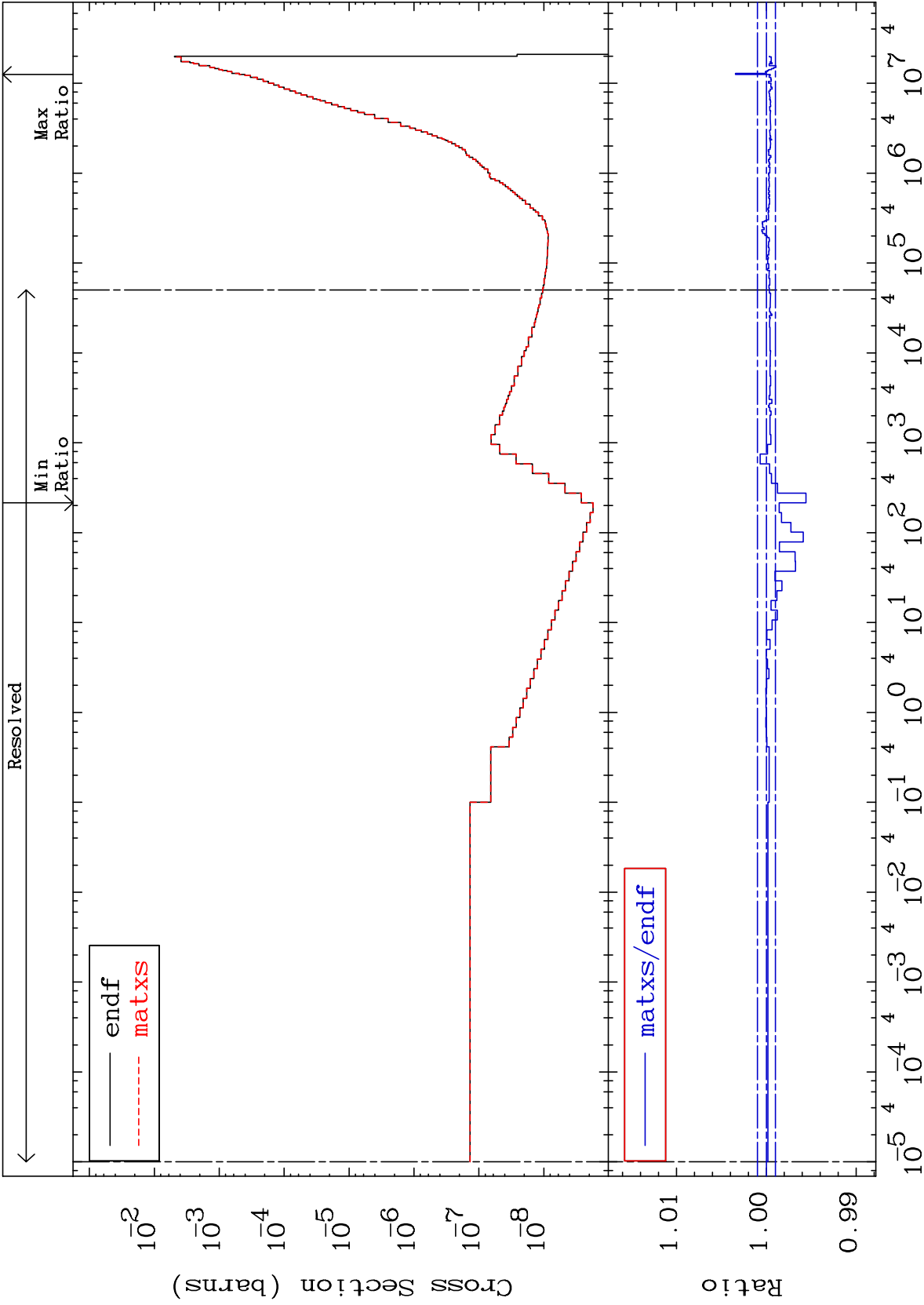
MAT 8225

(n, α)

⁸²Pb-204

Cross Section

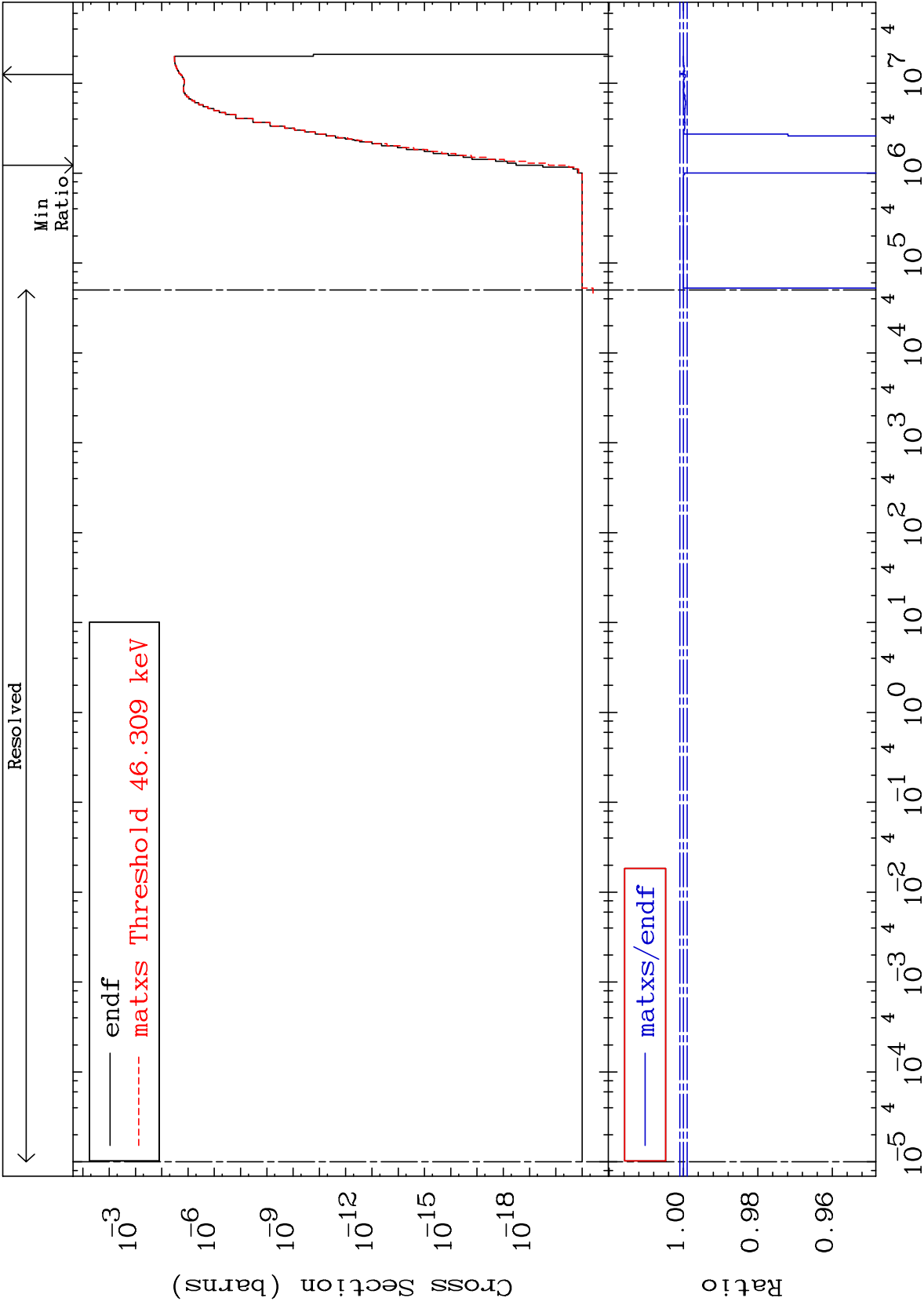
-0.442 To 0.344 %



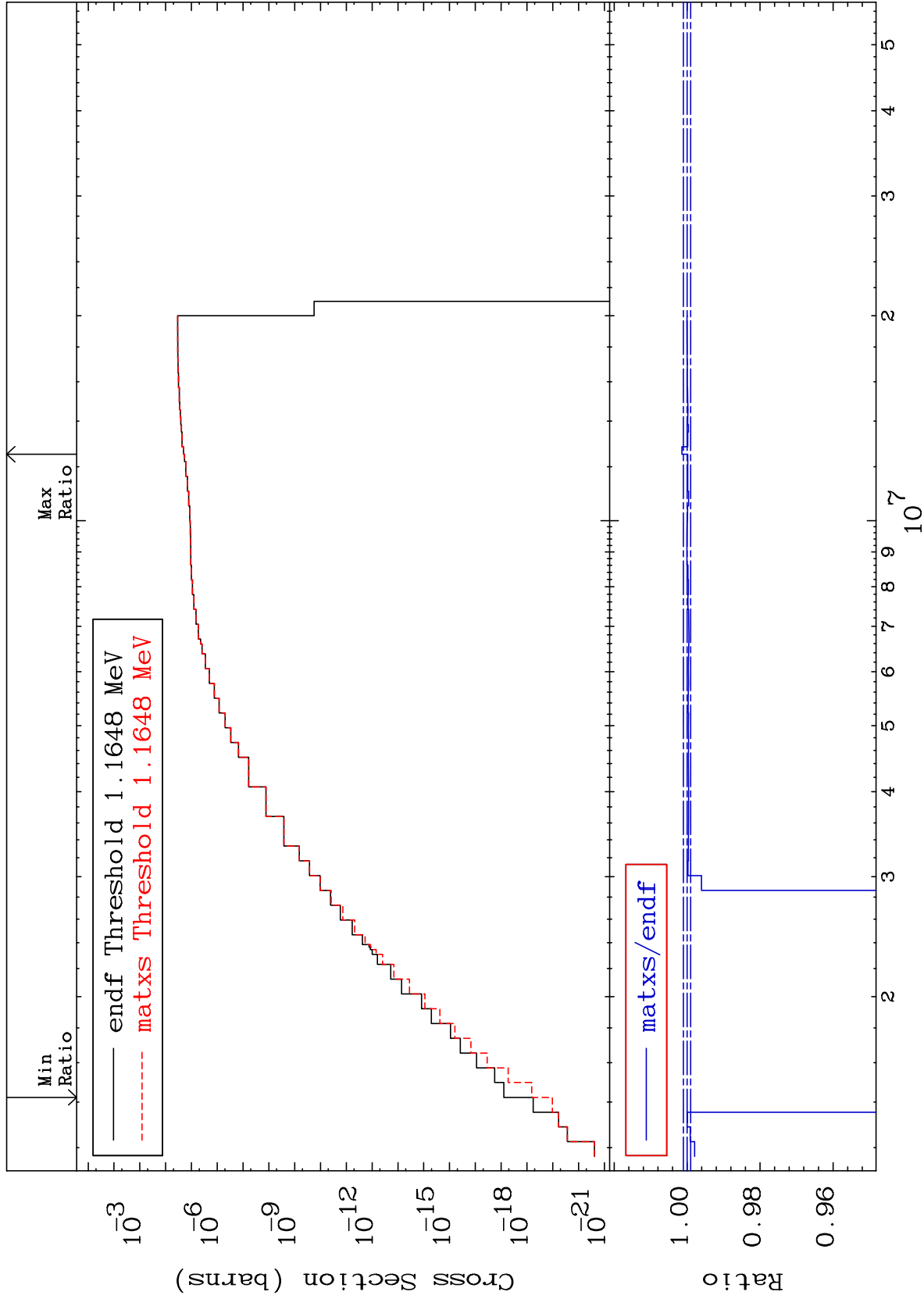
MAT 8225

(n, p') Ground
Cross Section

82-Pb-204
-94.14 To 0.068 %



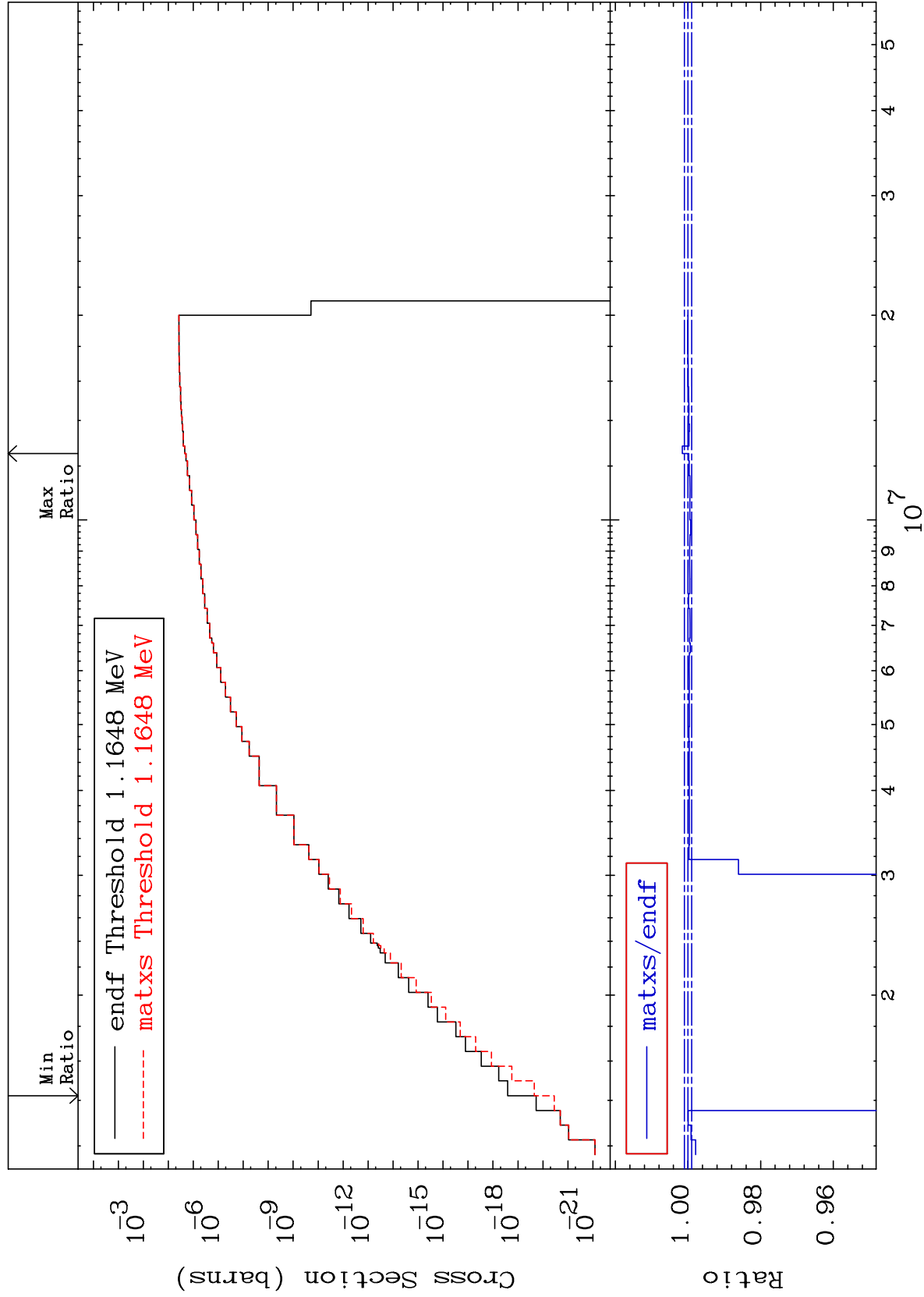
MAT 8225 140.0 keV (n,p') Level 82-Pb-204
 Cross Section -91.64 To 0.141 %



MAT 8225

146.0 keV (n,p') Level
Cross Section

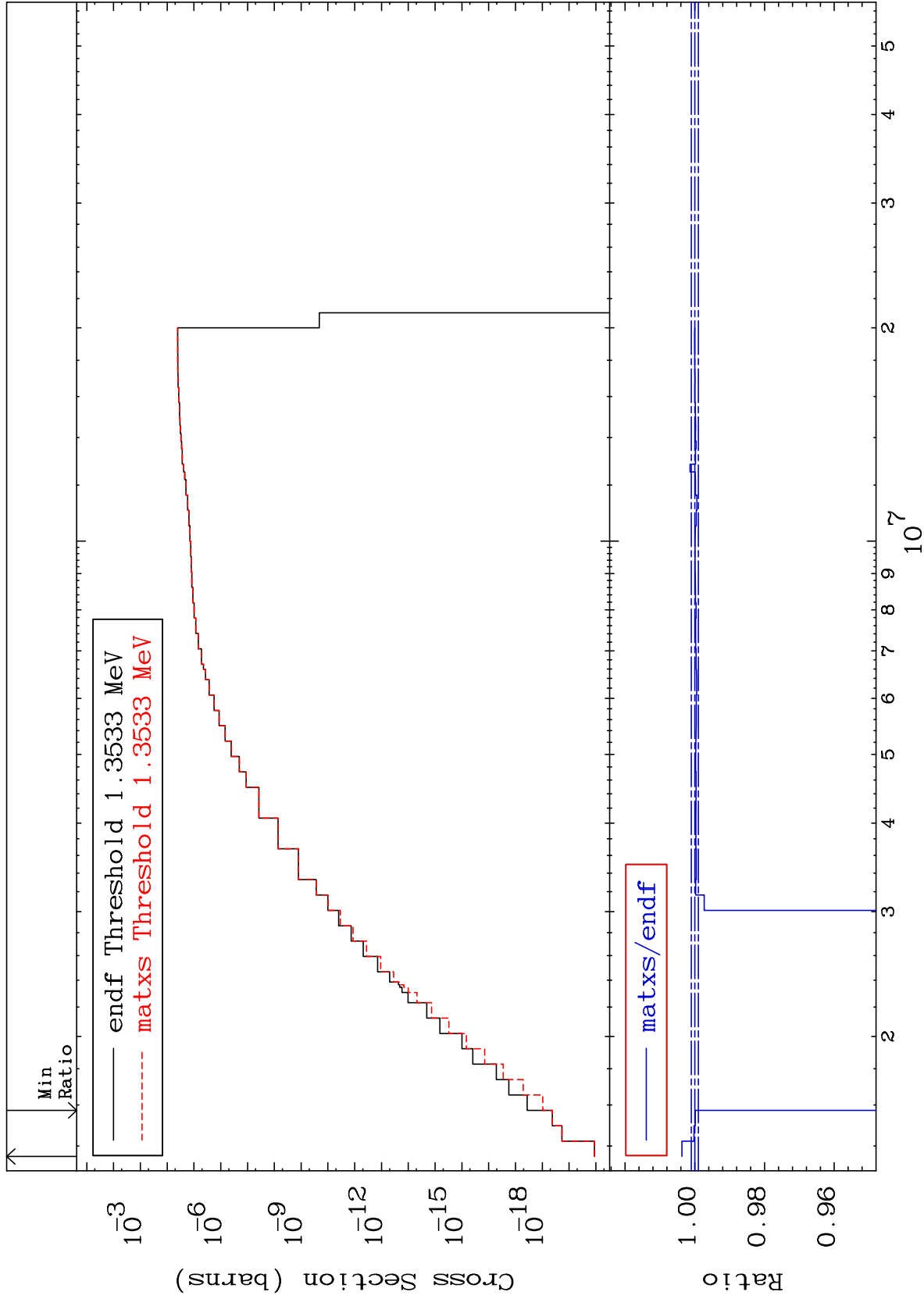
82-Pb-204
-91.48 To 0.155 %



MAT 8225

300.2 keV (n,p') Level
Cross Section

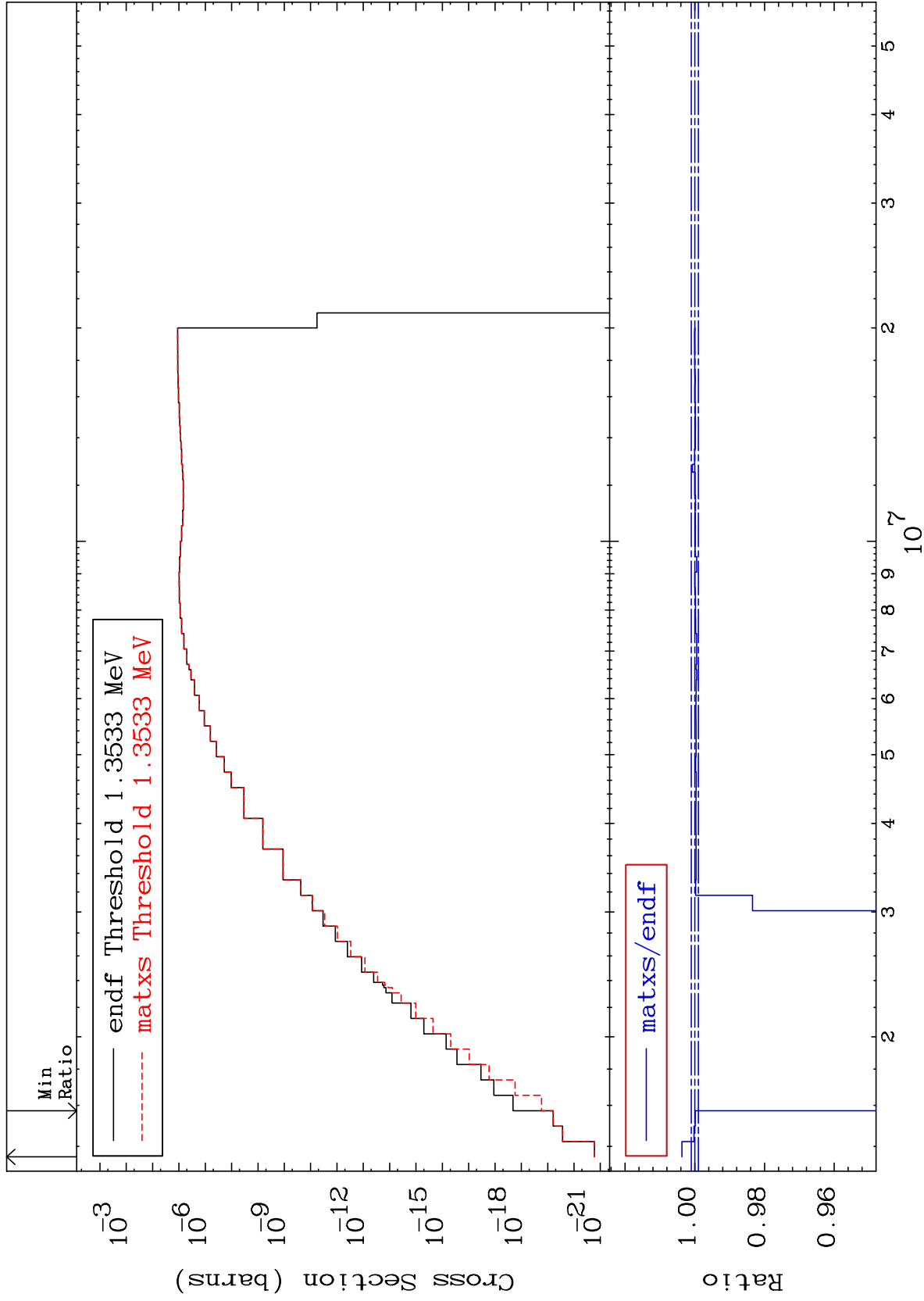
82-Pb-204
-74.11 To 0.369 %



MAT 8225

319.0 keV (n,p') Level
Cross Section

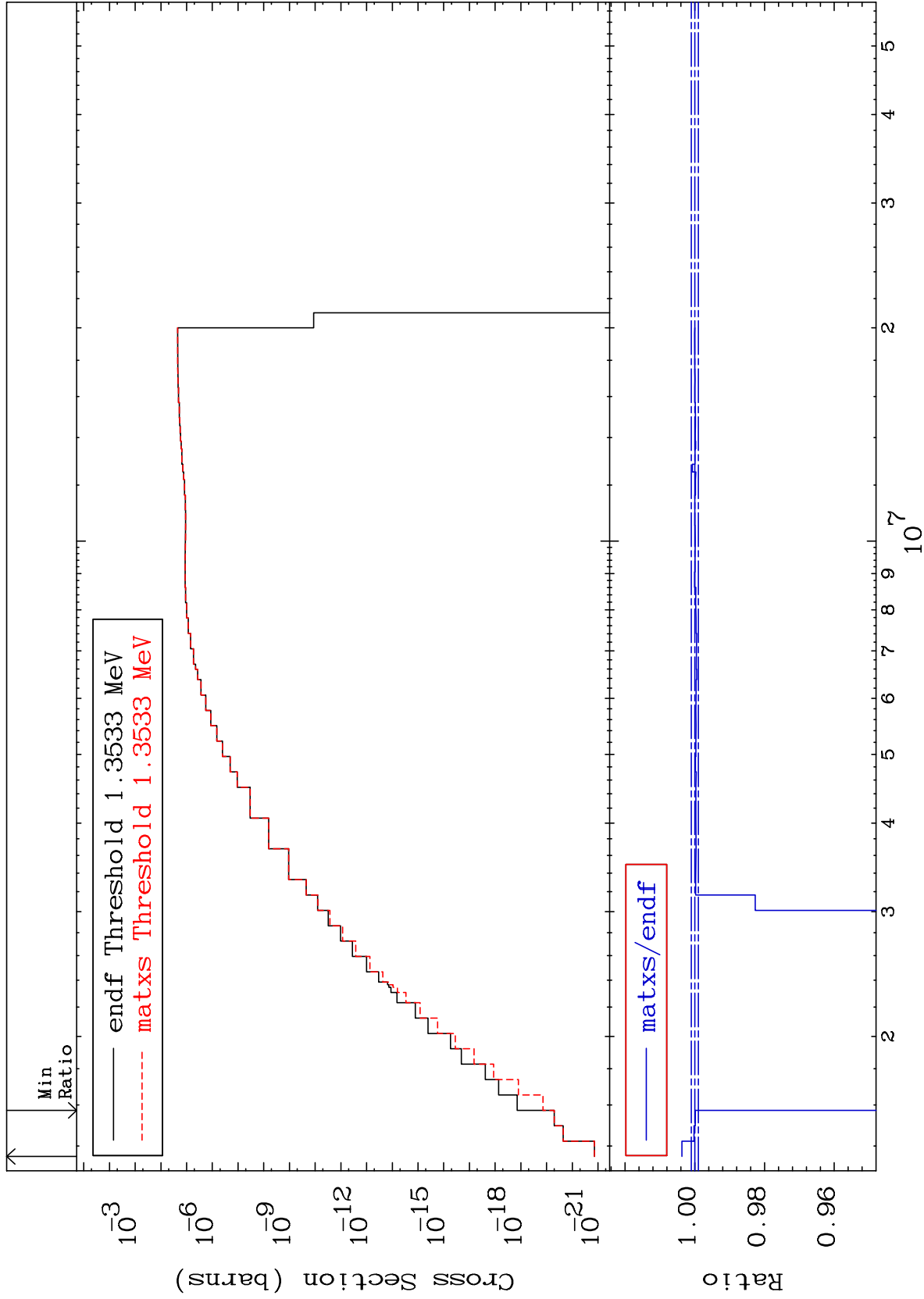
82-Pb-204
-91.65 To 0.369 %



MAT 8225

347.9 keV (n,p') Level
Cross Section

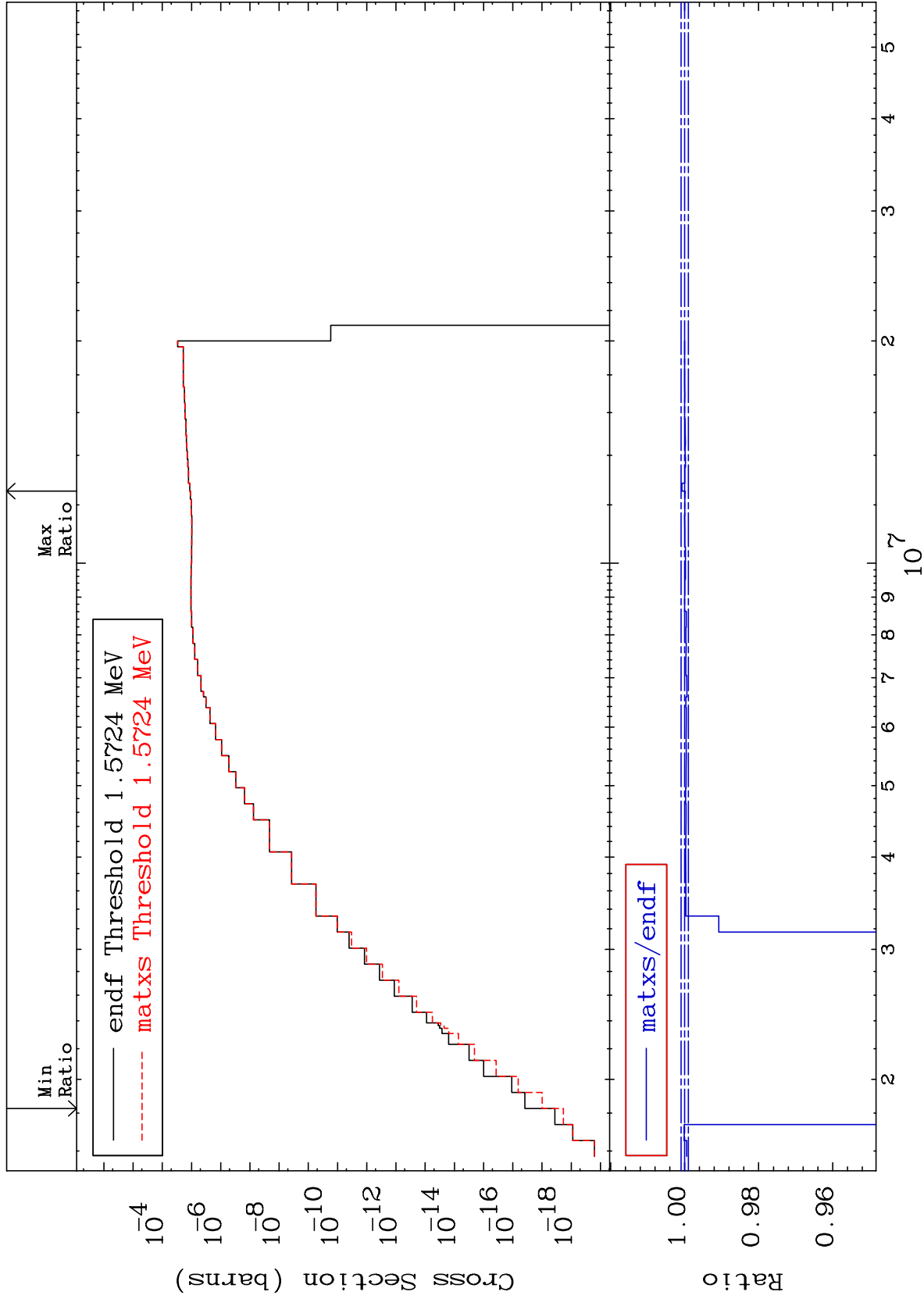
82-Pb-204
-90.16 To 0.369 %



MAT 8225

414.1 keV (n,p') Level
Cross Section

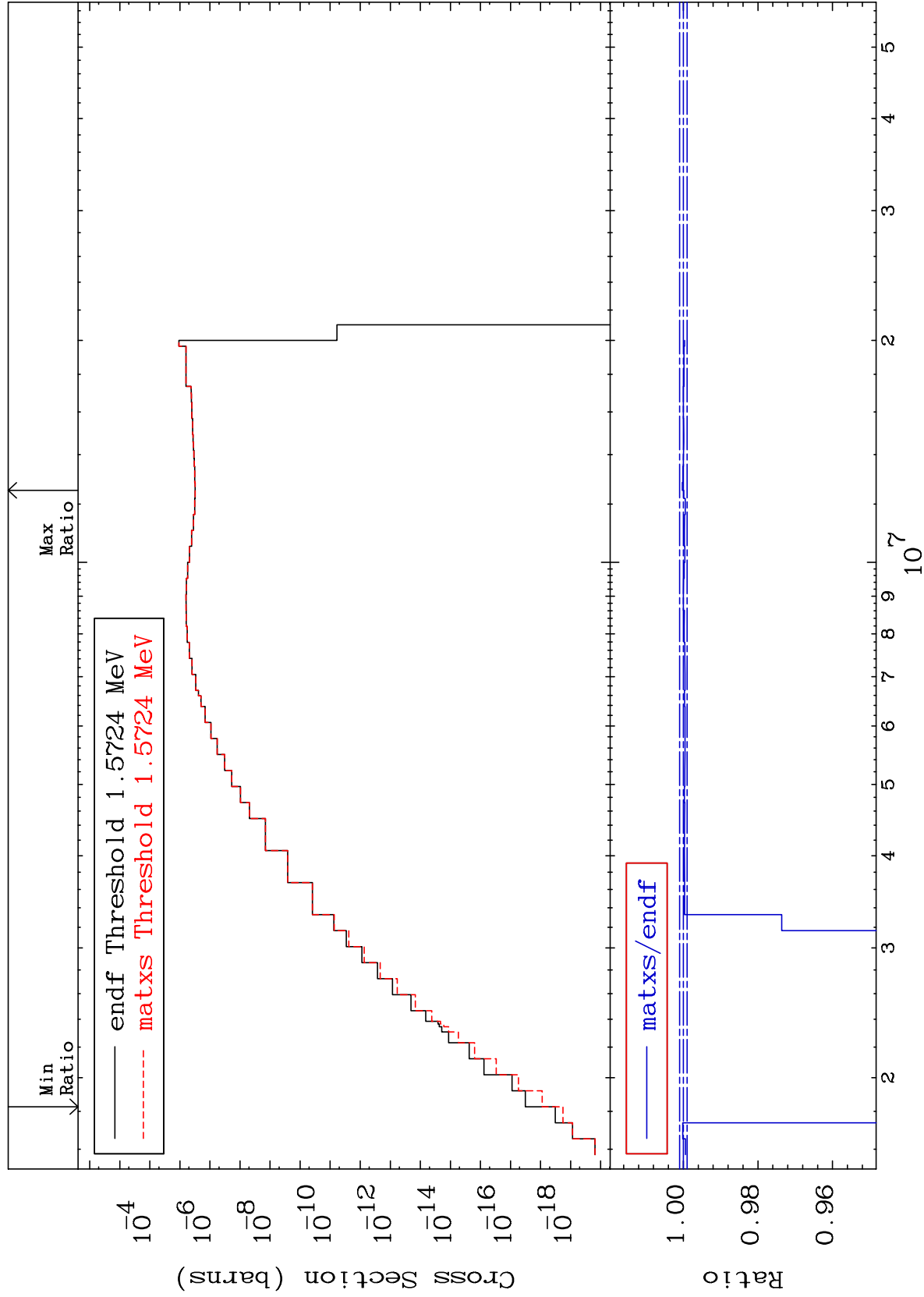
82-Pb-204
-74.50 To 0.073 %



MAT 8225

425.1 keV (n,p') Level
Cross Section

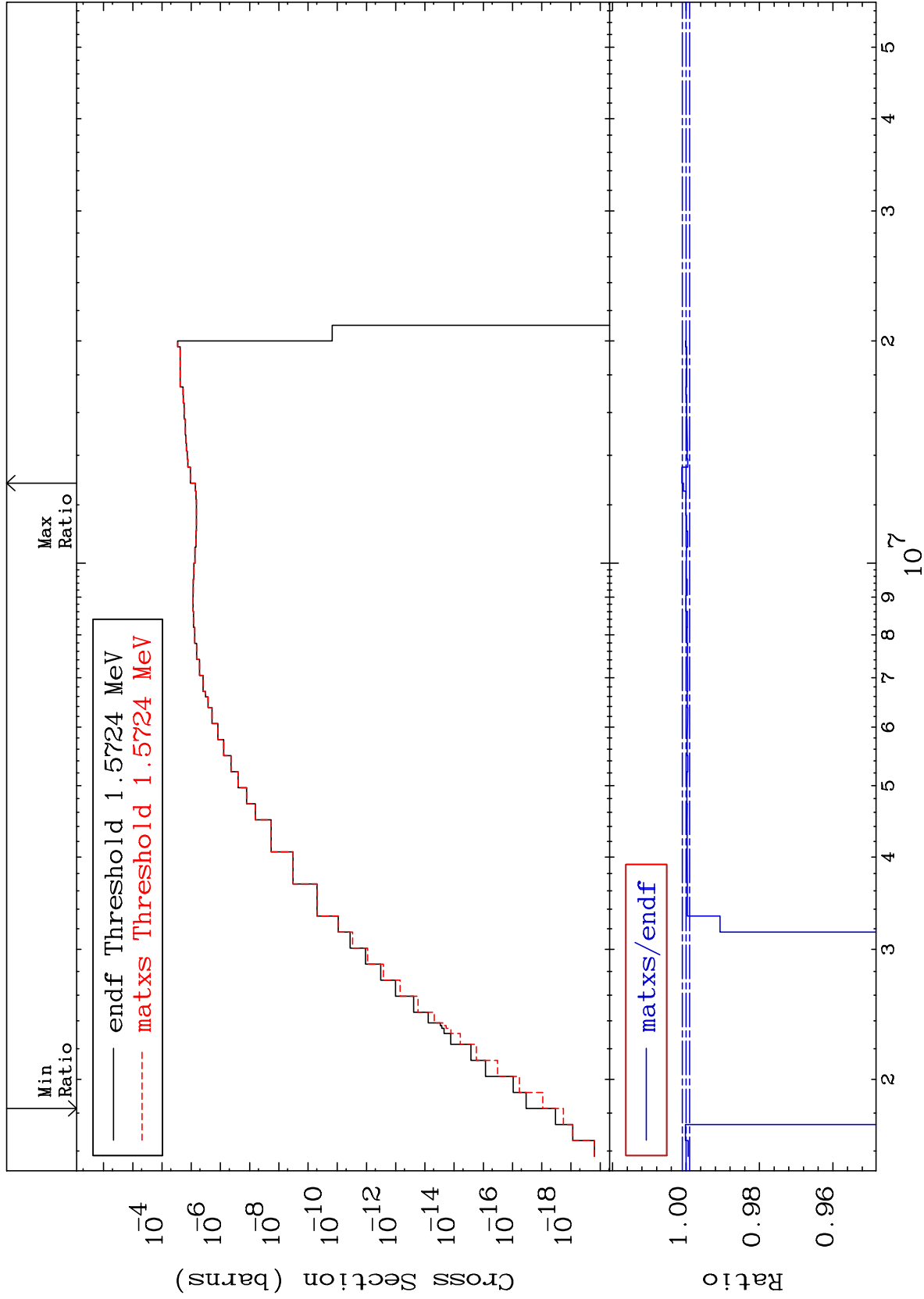
82-Pb-204
-72.49 To 0.026 %



MAT 8225

432.5 keV (n,p') Level
Cross Section

82-Pb-204
-73.21 To 0.111 %



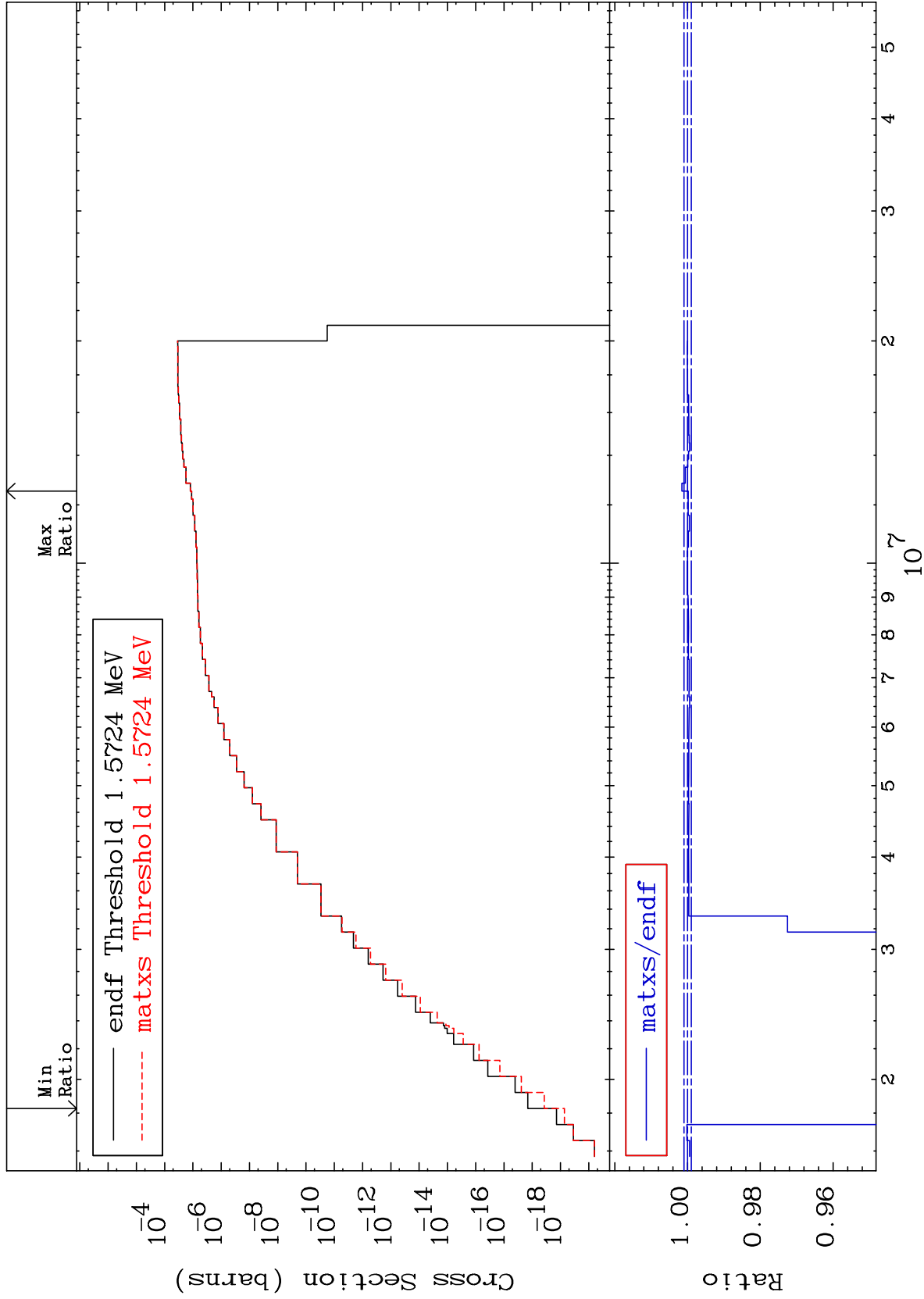
37

82-Pb-204

MAT 8225

471.9 keV (n,p') Level
Cross Section

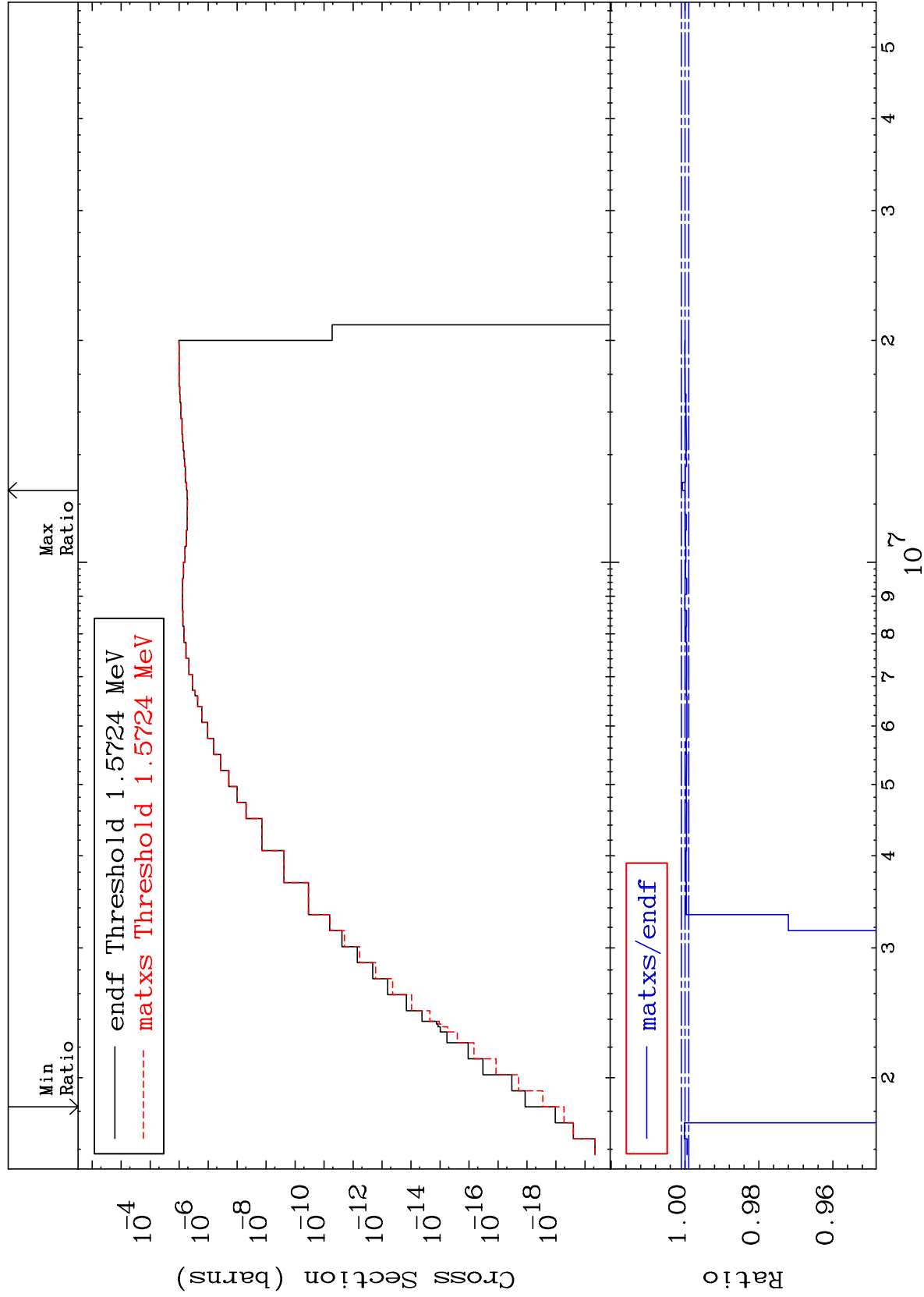
82-Pb-204
-73.79 To 0.154 %



MAT 8225

488.3 keV (n,p') Level
Cross Section

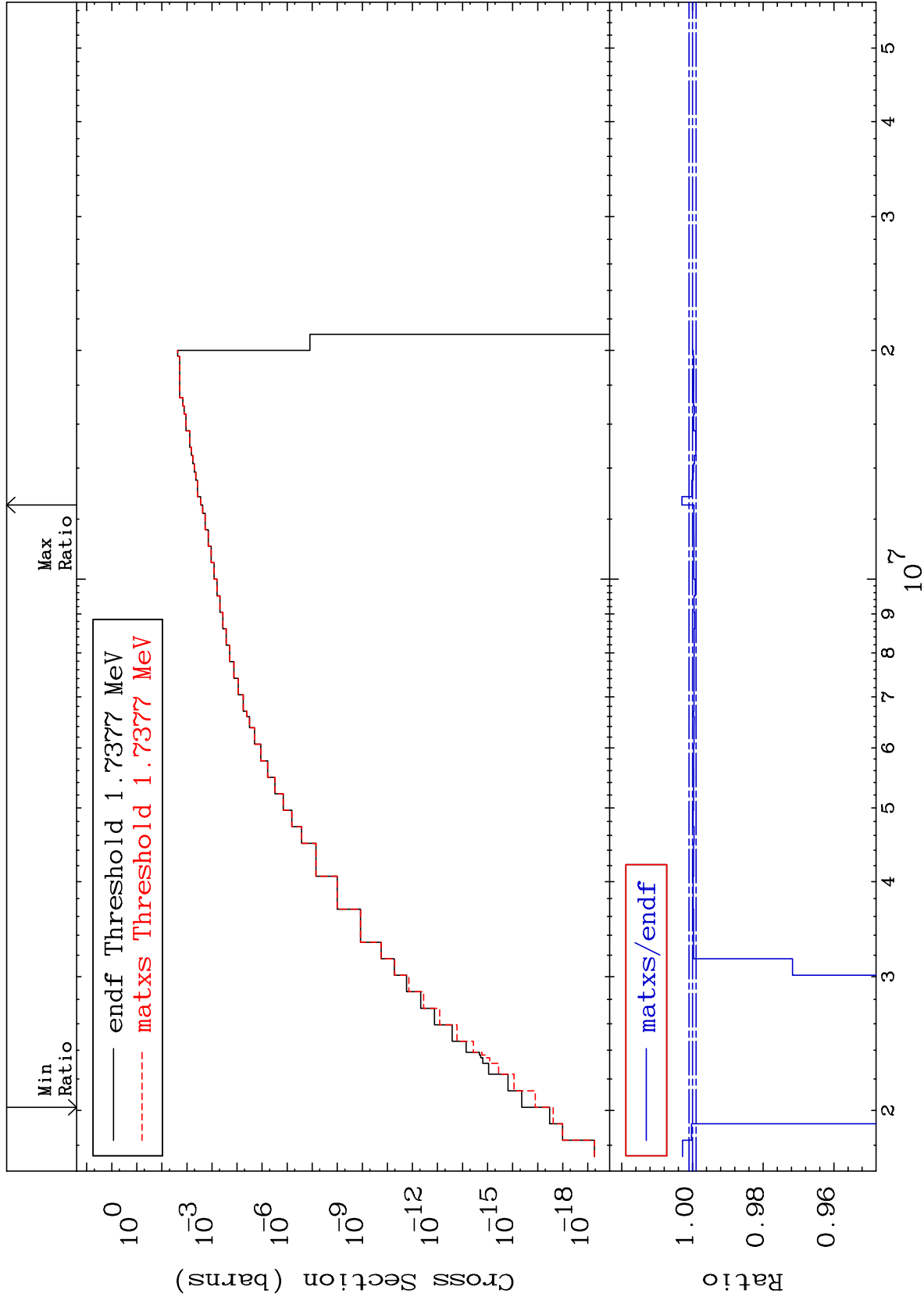
82-Pb-204
-75.39 To 0.072 %



MAT 8225

488.3 keV (n,p') Level
Cross Section

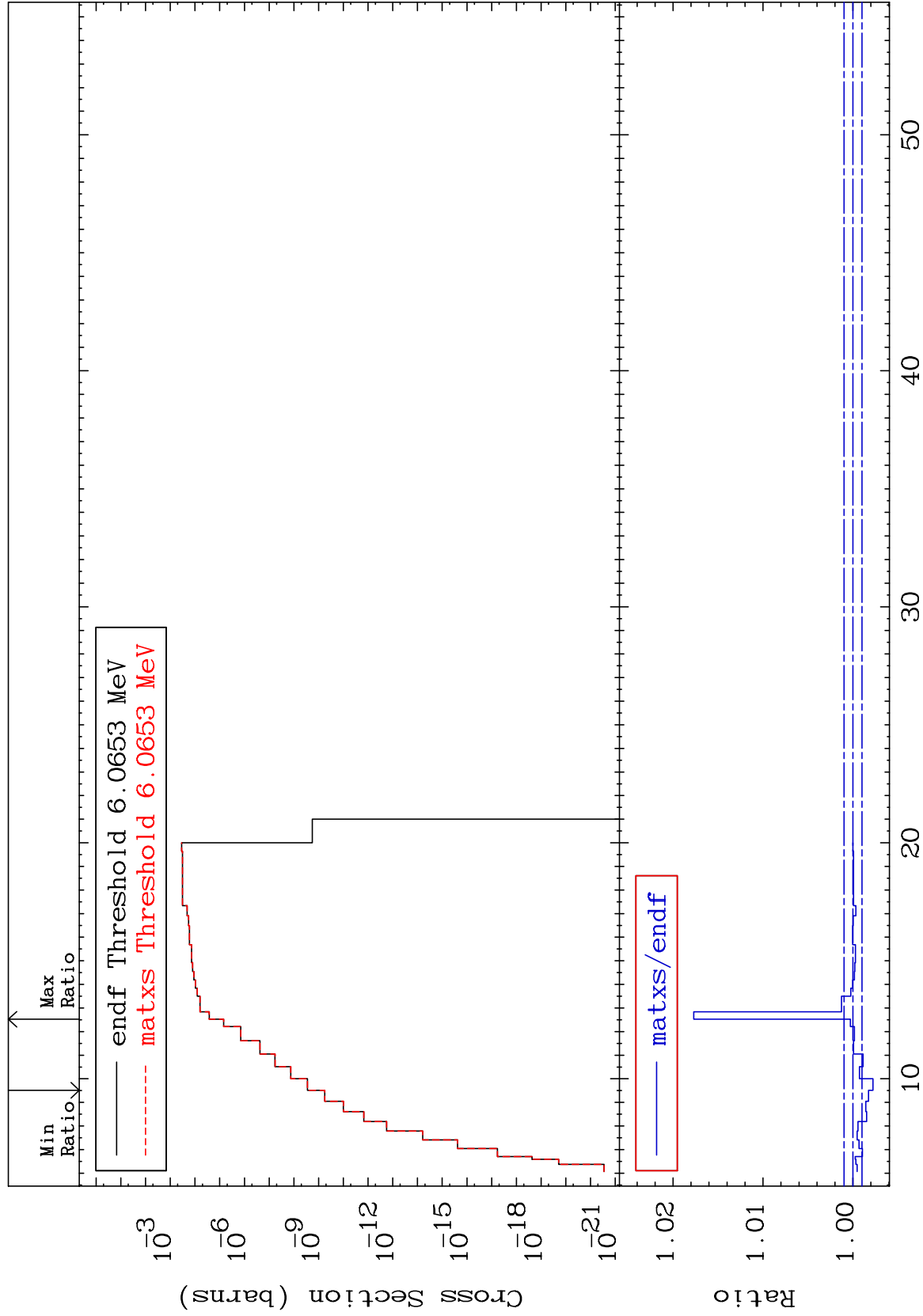
82-Pb-204
-70.90 To 0.296 %



MAT 8225

(n, d') Ground
Cross Section

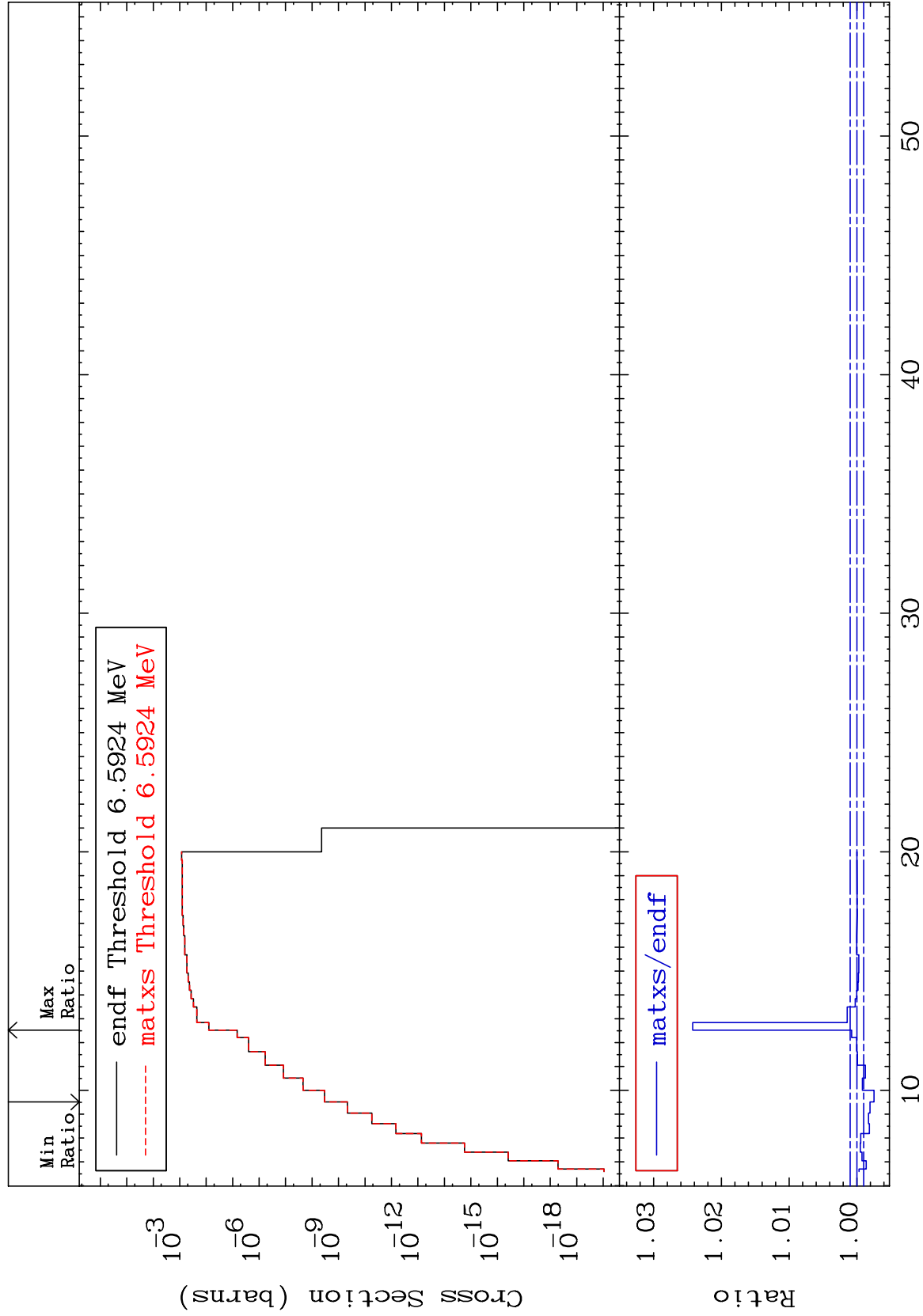
82-Pb-204
-0.224 To 1.771 %



MAT 8225

279.2 keV (n,d') Level
Cross Section

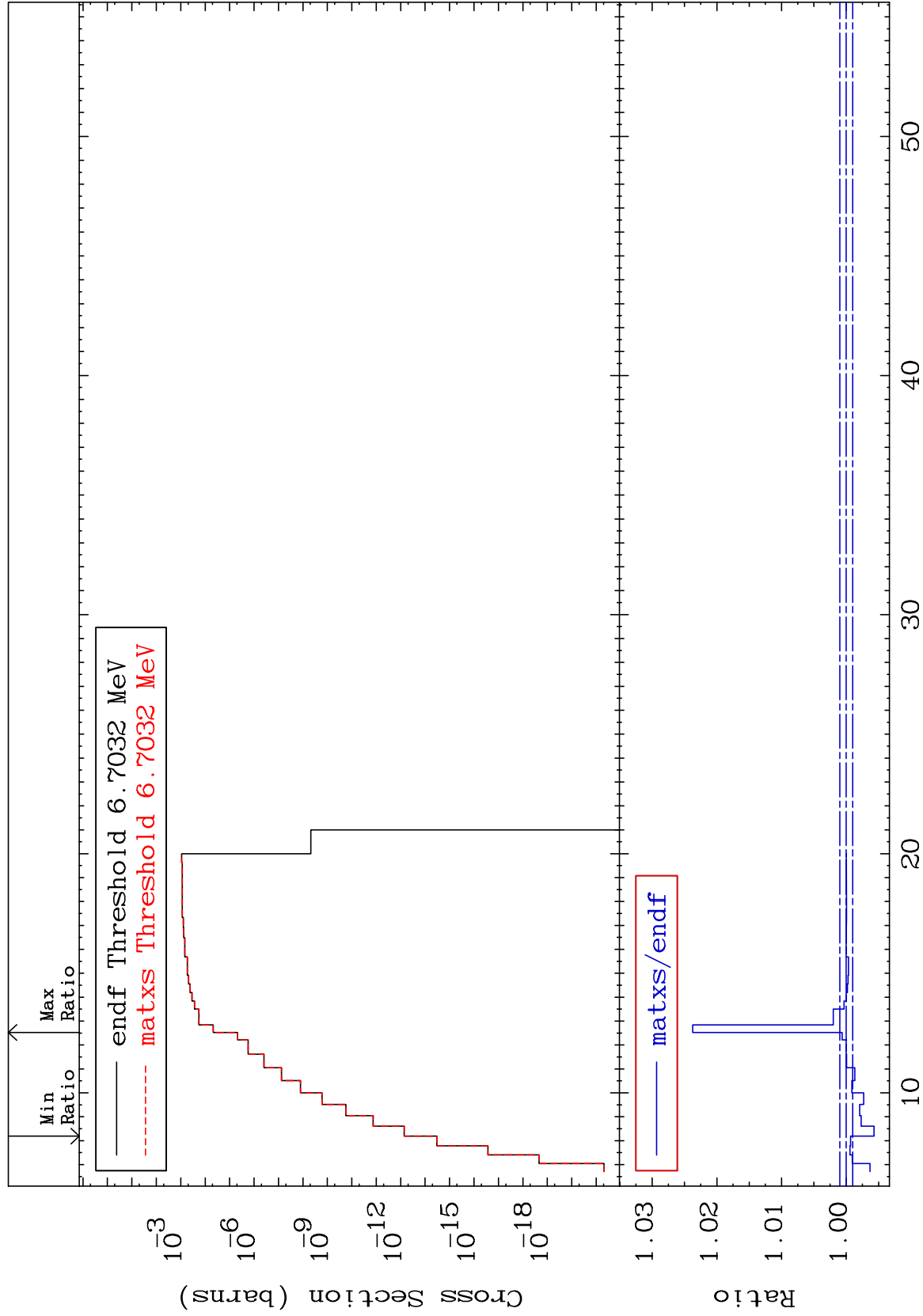
82-Pb-204
-0.254 To 2.424 %



MAT 8225

680.5 keV (n,d') Level
Cross Section

82-Pb-204
-0.429 To 2.373 %



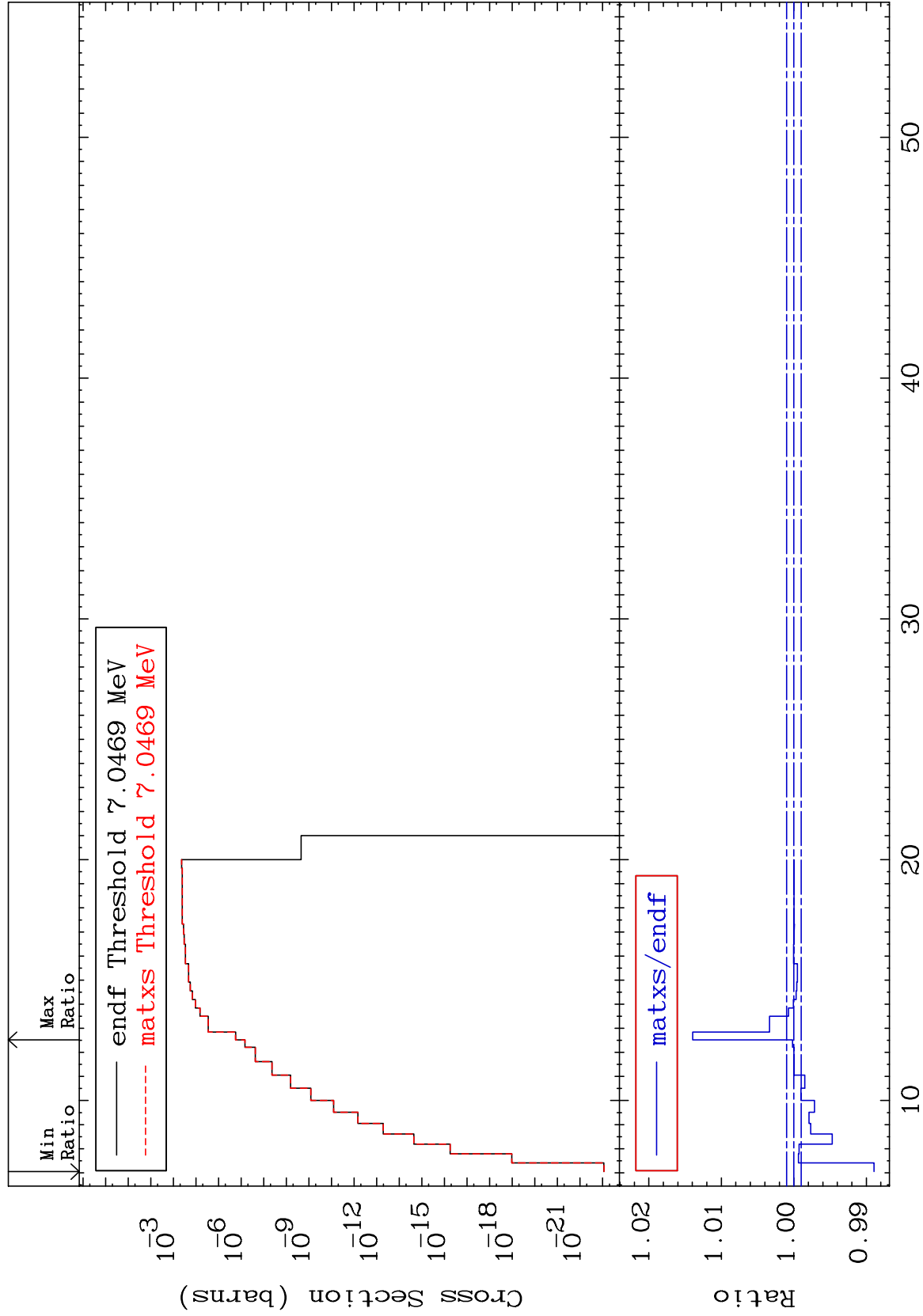
43

82-Pb-204

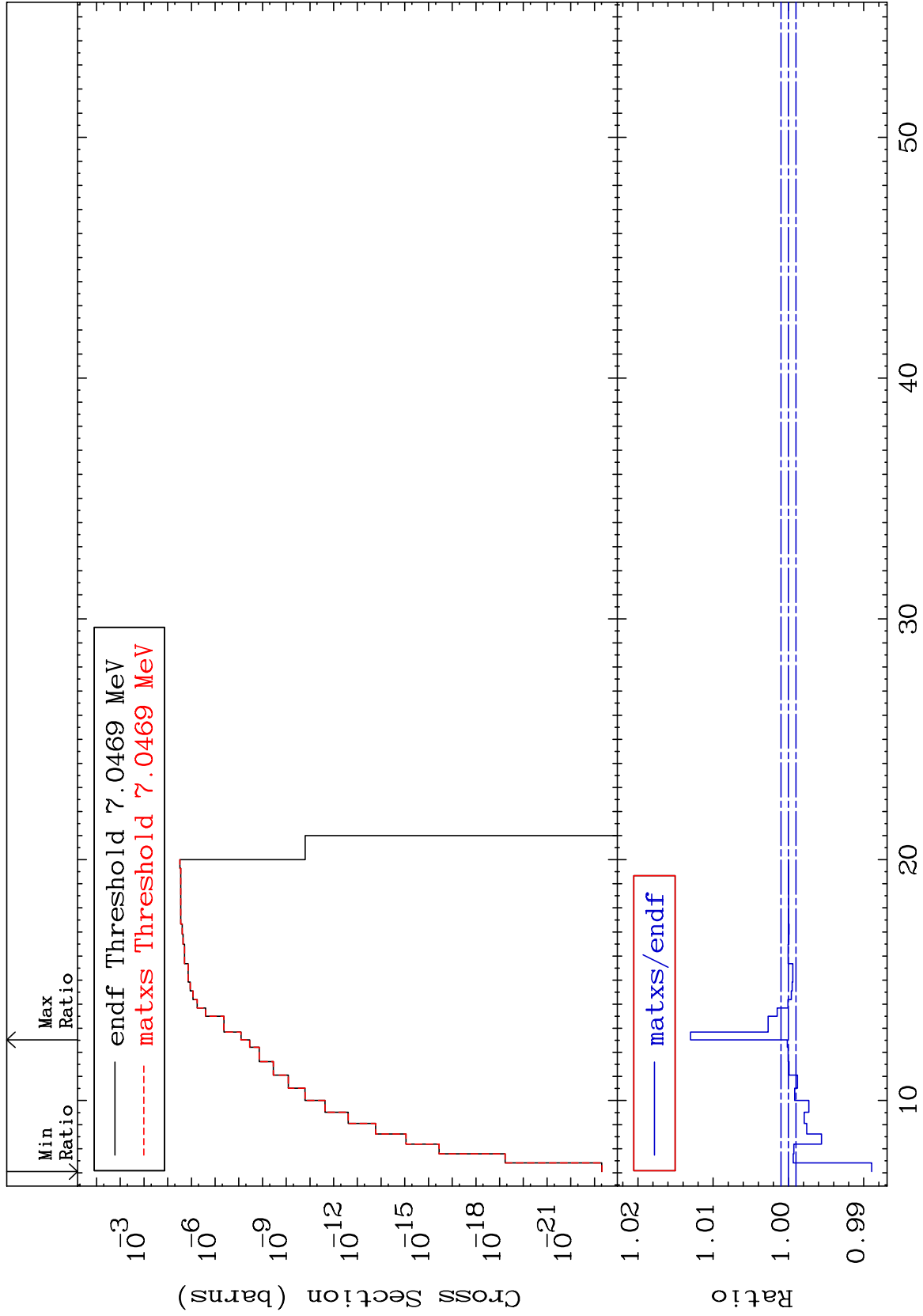
MAT 8225

1.044 MeV (n,d') Level
Cross Section

82-Pb-204
-1.106 To 1.395 %



MAT 8225 1.065 MeV (n,d') Level 82-Pb-204
Cross Section -1.106 To 1.300 %

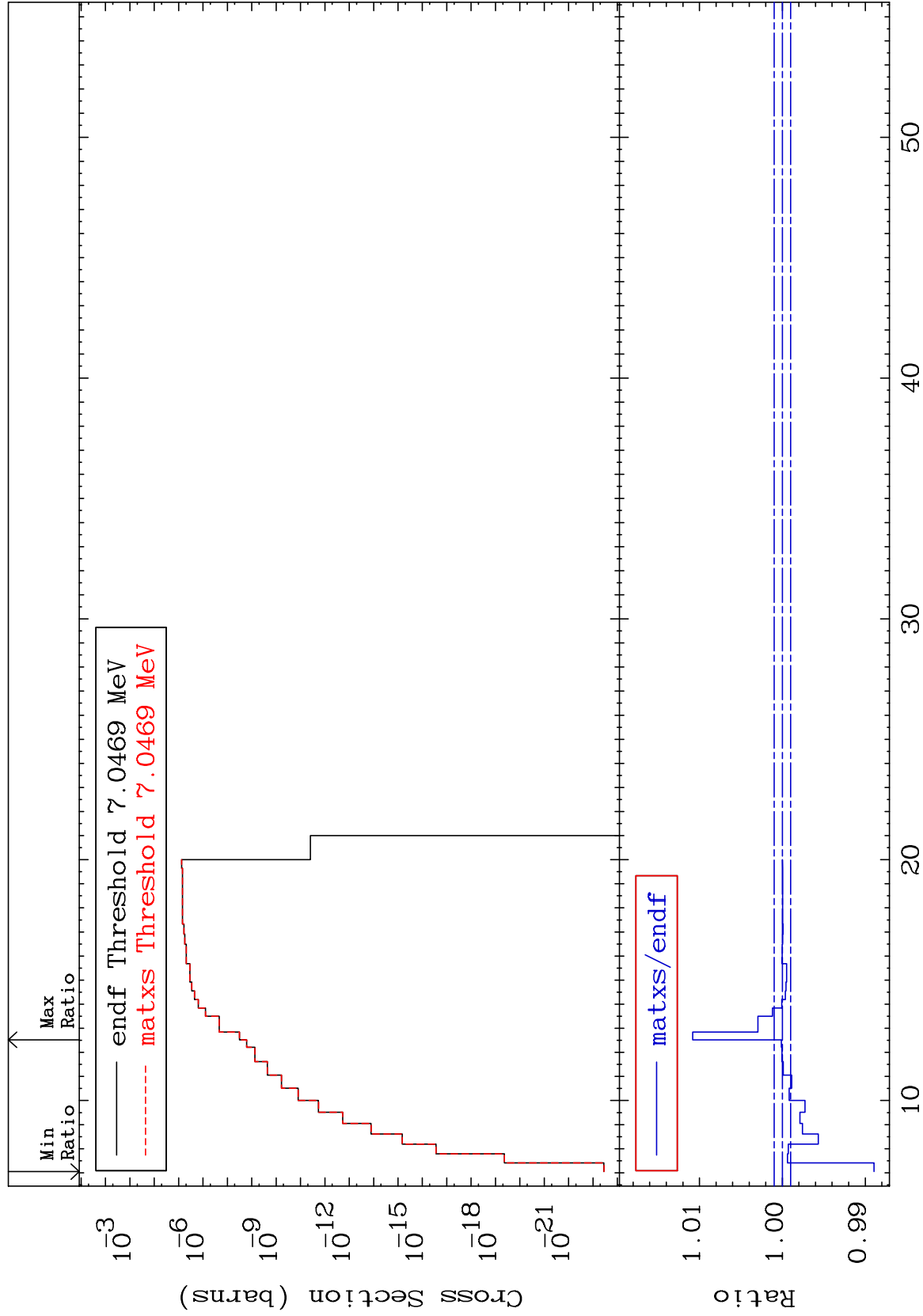


45 Incident Energy (MeV) 82-Pb-204

MAT 8225

1.072 MeV (n,d') Level
Cross Section

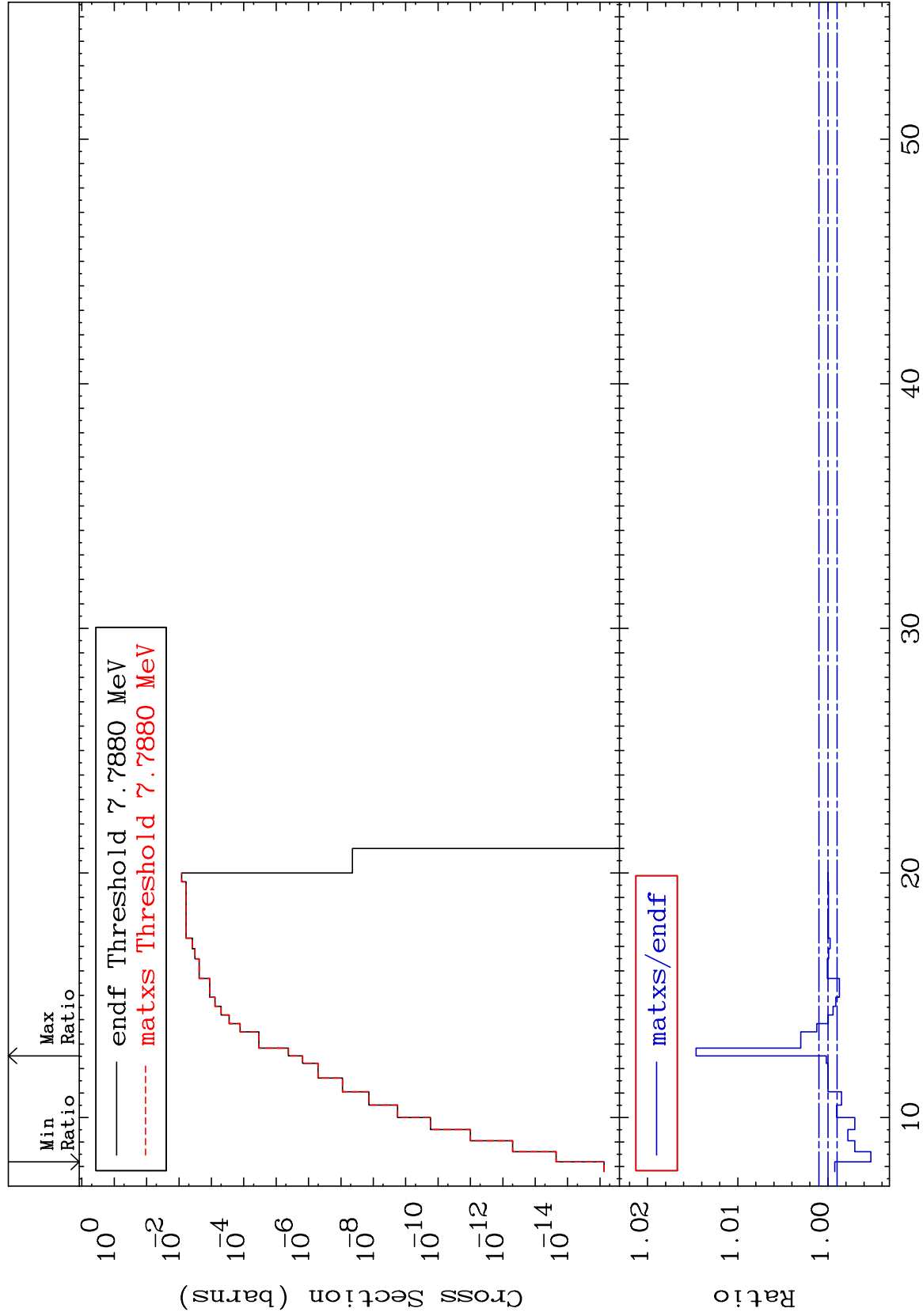
82-Pb-204
-1.106 To 1.081 %



MAT 8225

1.072 MeV (n,d') Level
Cross Section

82-Pb-204
-0.474 To 1.463 %



47

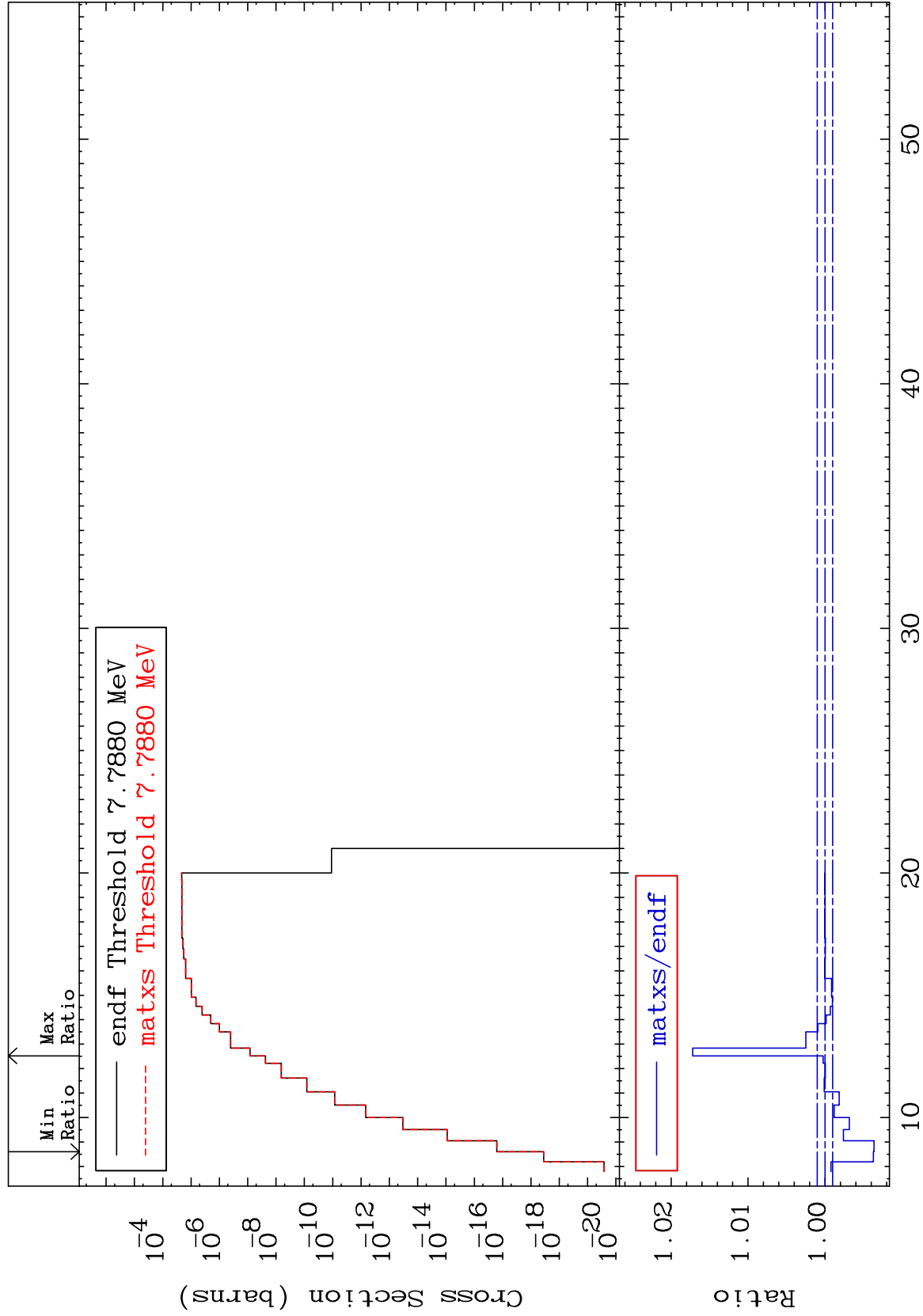
Incident Energy (MeV)

82-Pb-204

MAT 8225

(n, t') Ground
Cross Section

82-Pb-204
-0.637 To 1.719 %



48

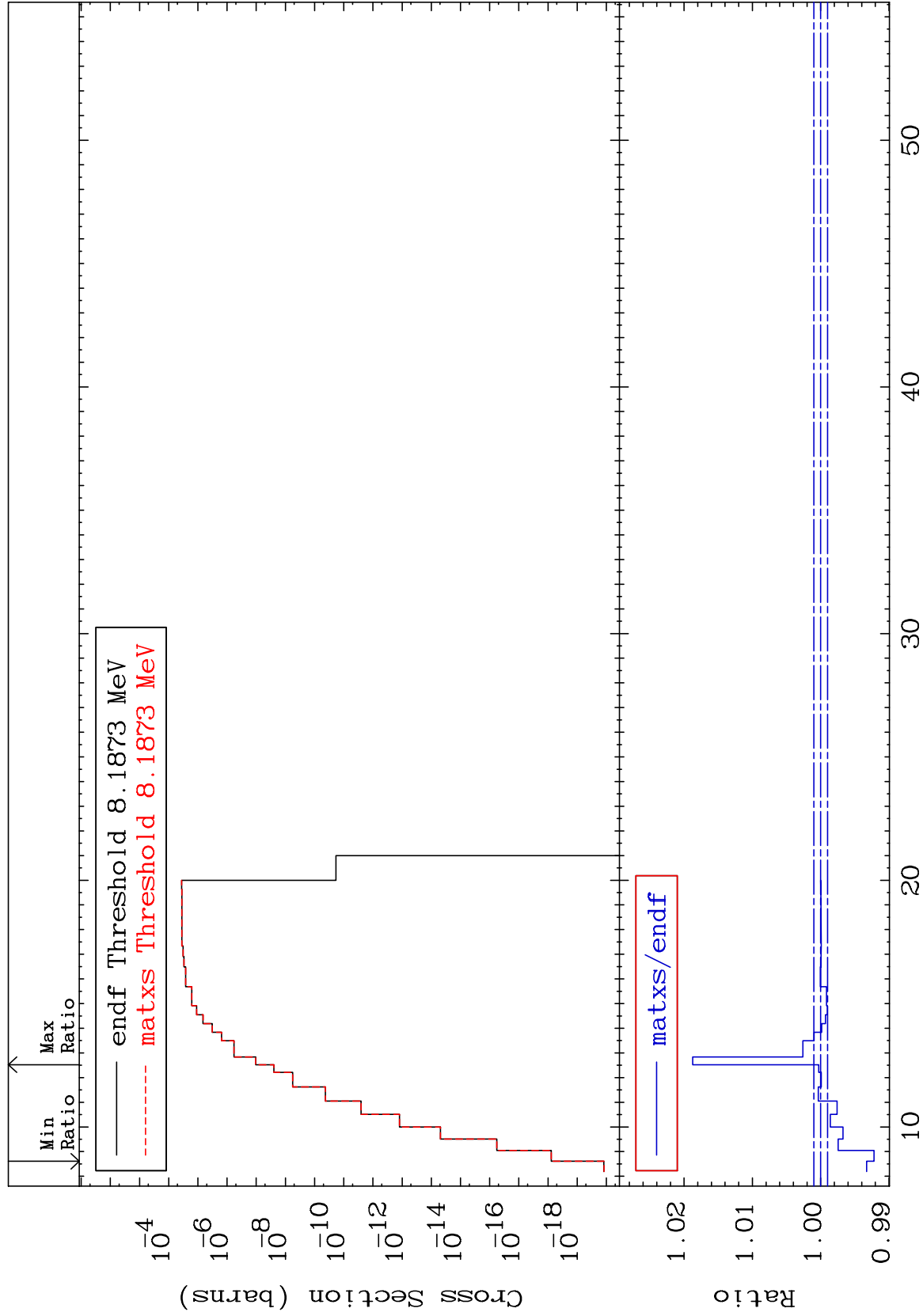
Incident Energy (MeV)

82-Pb-204

MAT 8225

188.0 keV (n,t') Level
Cross Section

82-Pb-204
-0.781 To 1.874 %



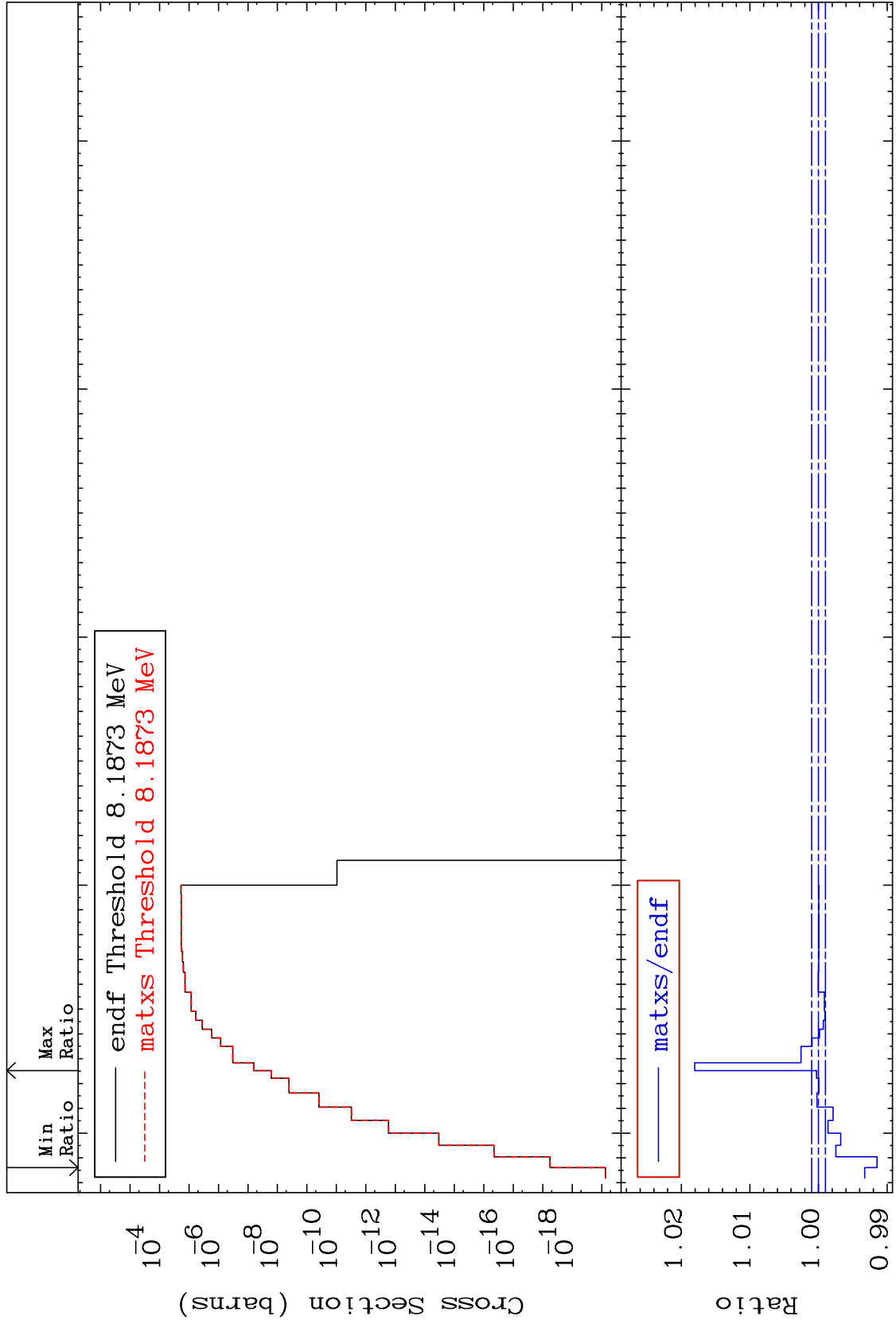
49

82-Pb-204

MAT 8225

315.0 keV (n,t') Level
Cross Section

82-Pb-204
-0.853 To 1.804 %



50

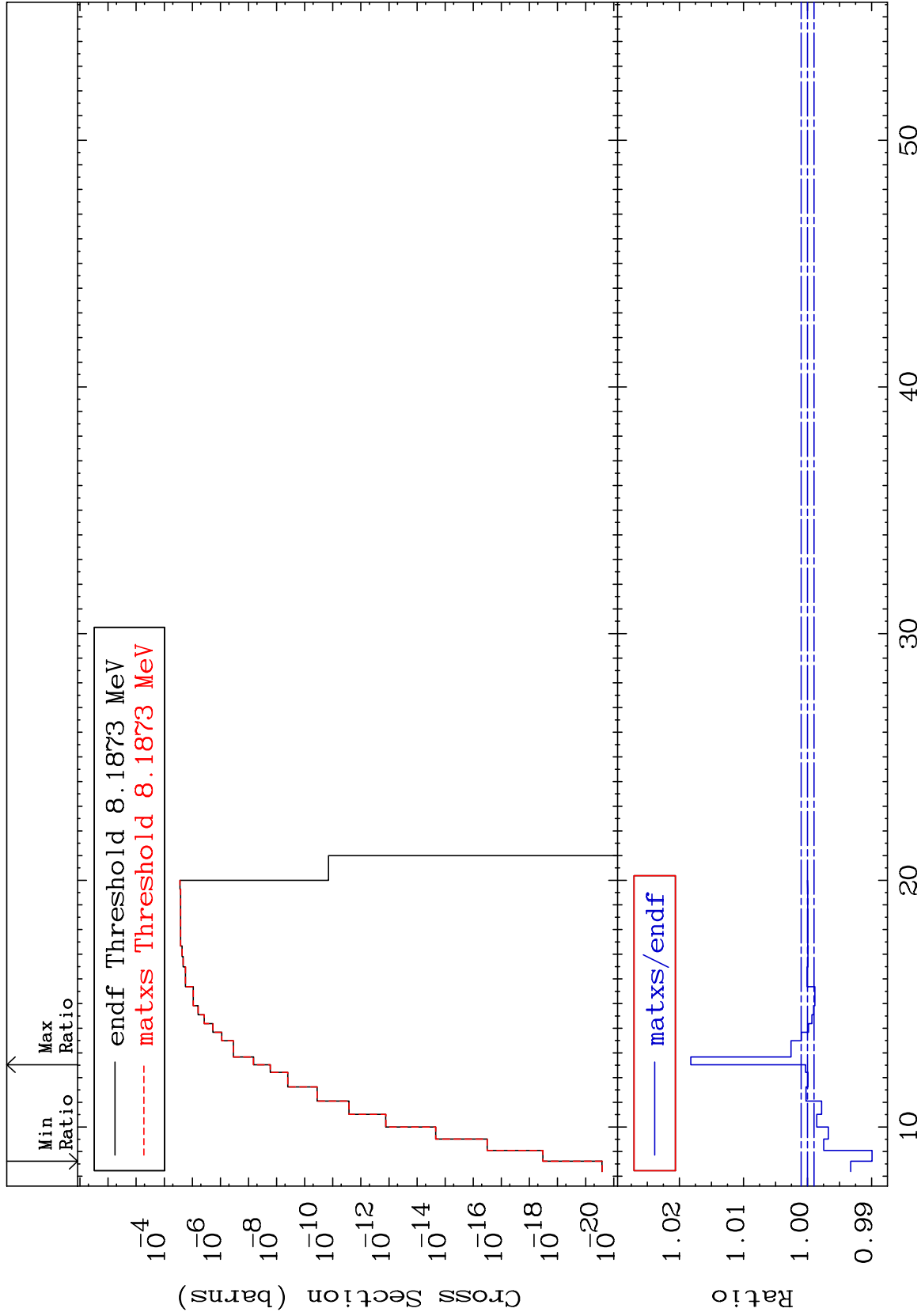
Incident Energy (MeV)

82-Pb-204

MAT 8225

351.0 keV (n,t') Level
Cross Section

82-Pb-204
-1.007 To 1.822 %



51

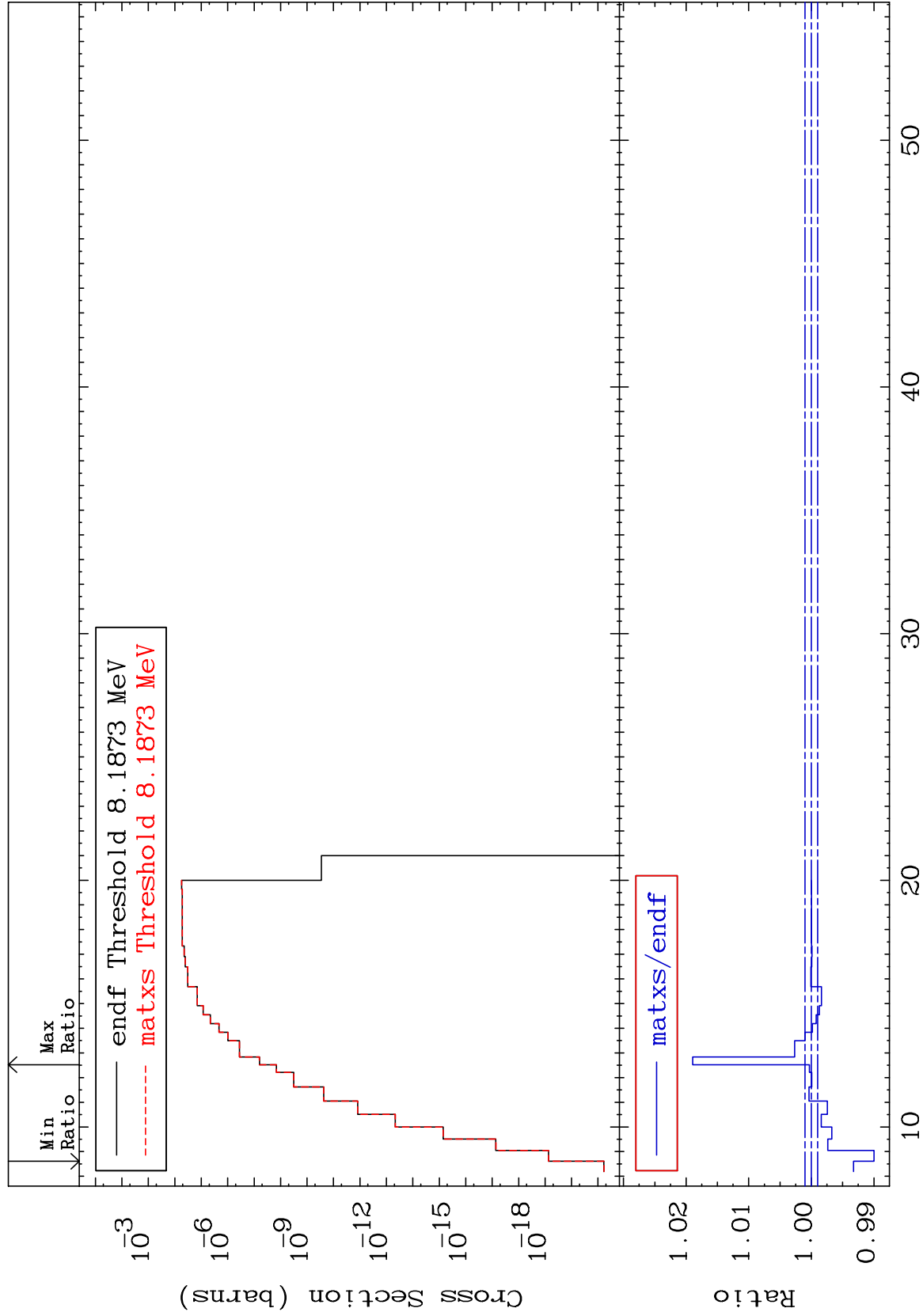
Incident Energy (MeV)

82-Pb-204

MAT 8225

490.5 keV (n,t') Level
Cross Section

82-Pb-204
-1.001 To 1.894 %



52

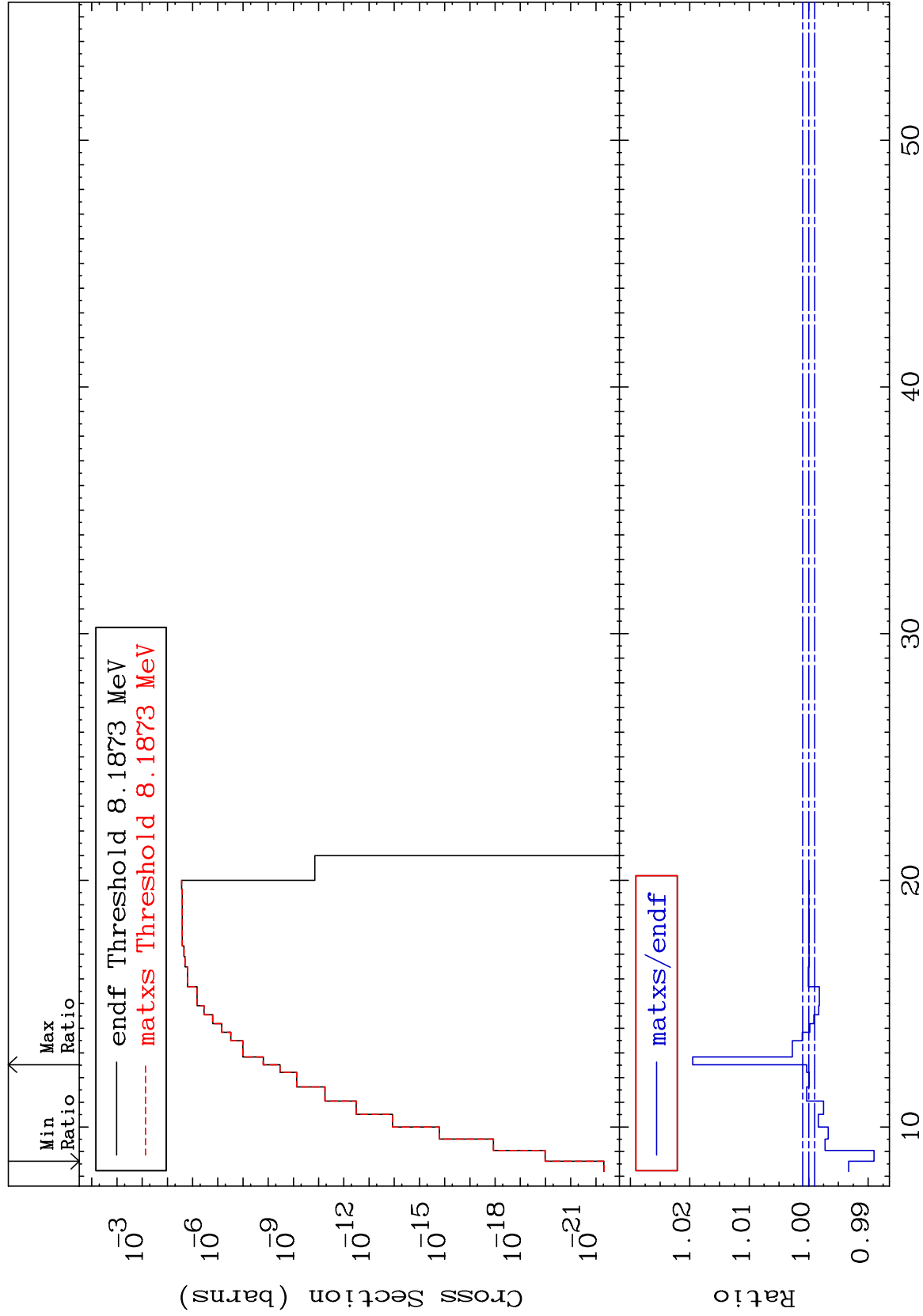
Incident Energy (MeV)

82-Pb-204

MAT 8225

627.0 keV (n, t') Level
Cross Section

82-Pb-204
-1.099 To 1.951 %



53

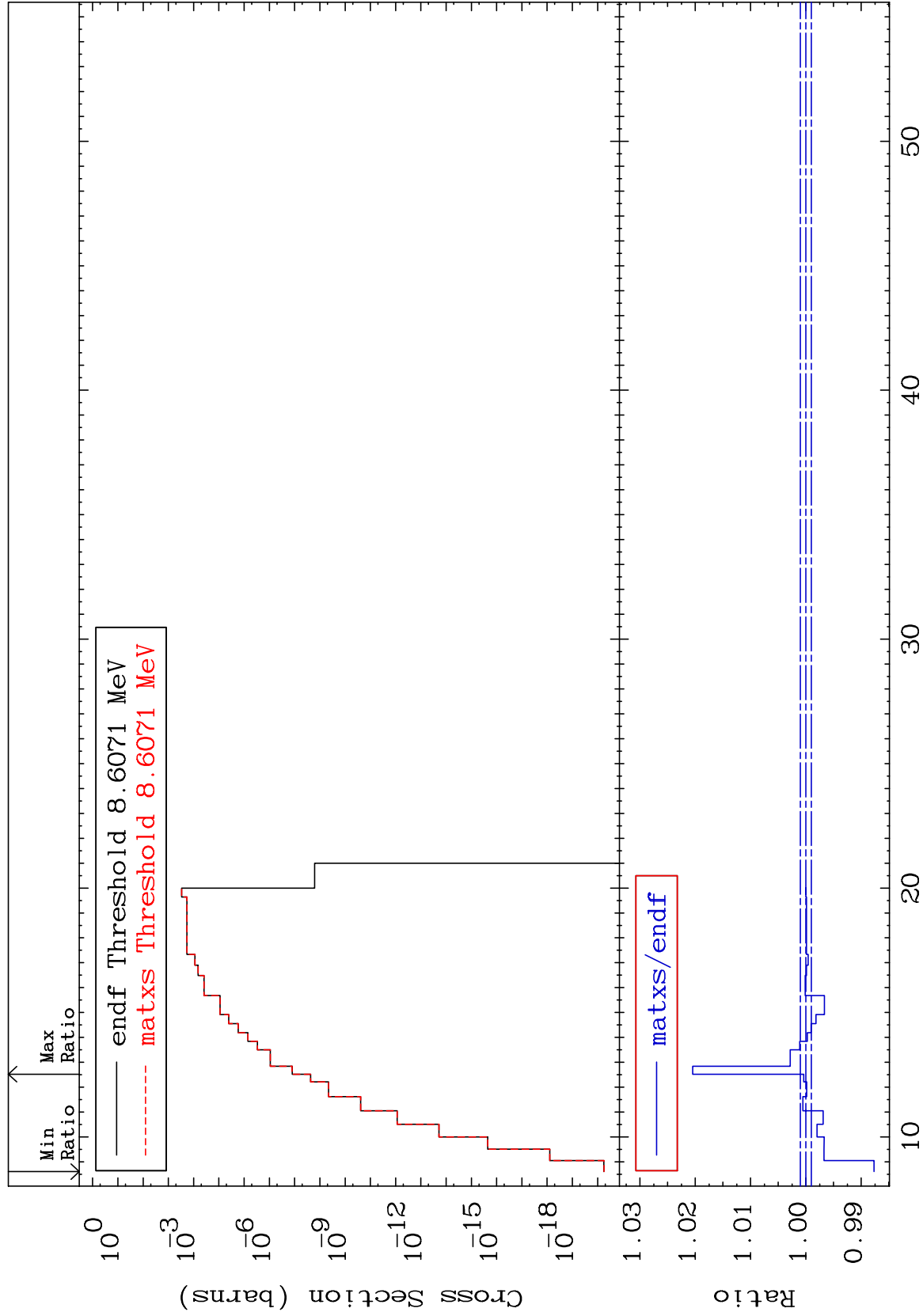
Incident Energy (MeV)

82-Pb-204

MAT 8225

627.0 keV (n,t') Level
Cross Section

82-Pb-204
-1.231 To 2.045 %



54

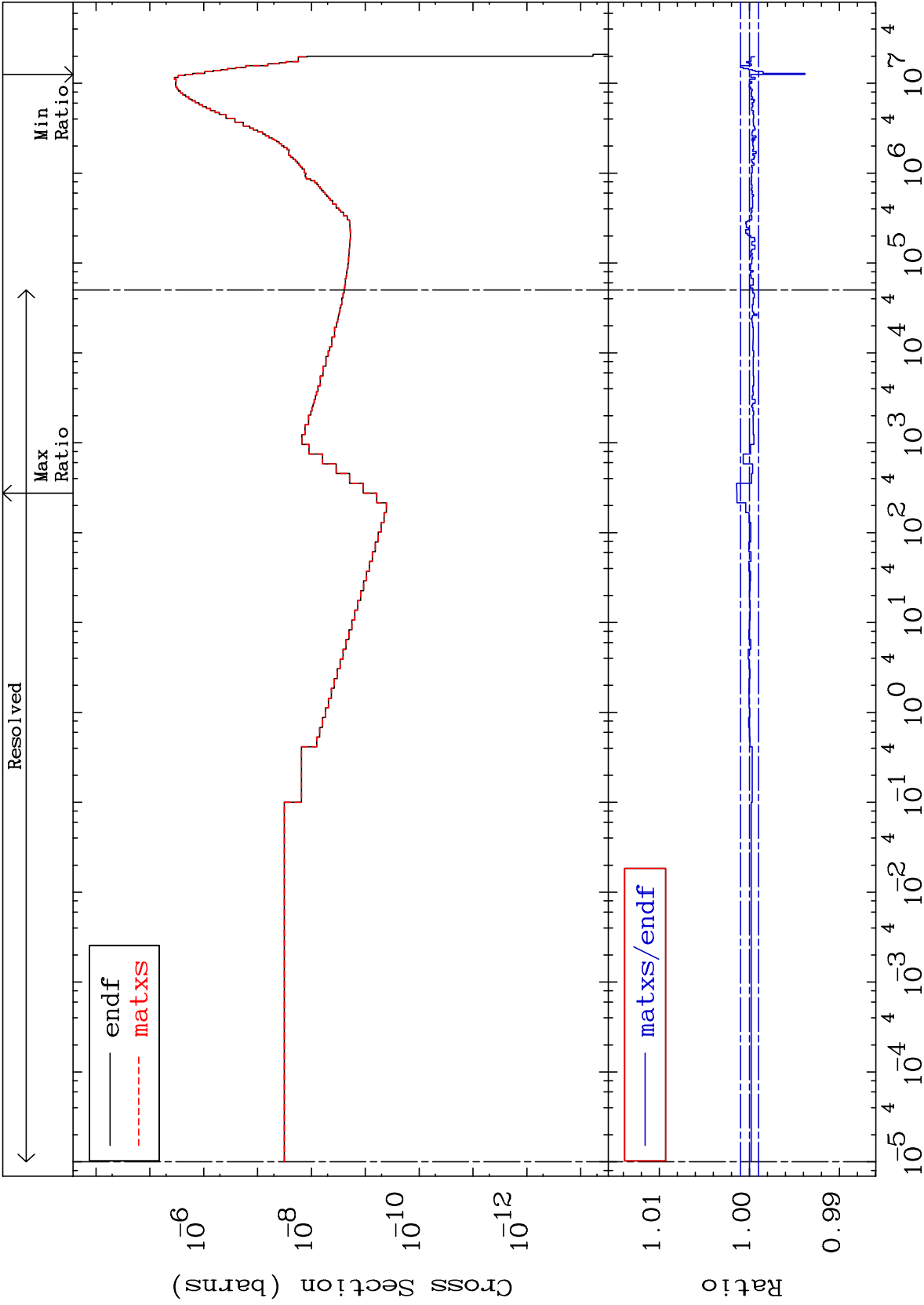
Incident Energy (MeV)

82-Pb-204

MAT 8225

(n, α') Ground
Cross Section

82-Pb-204
-0.616 To 0.142 %



55

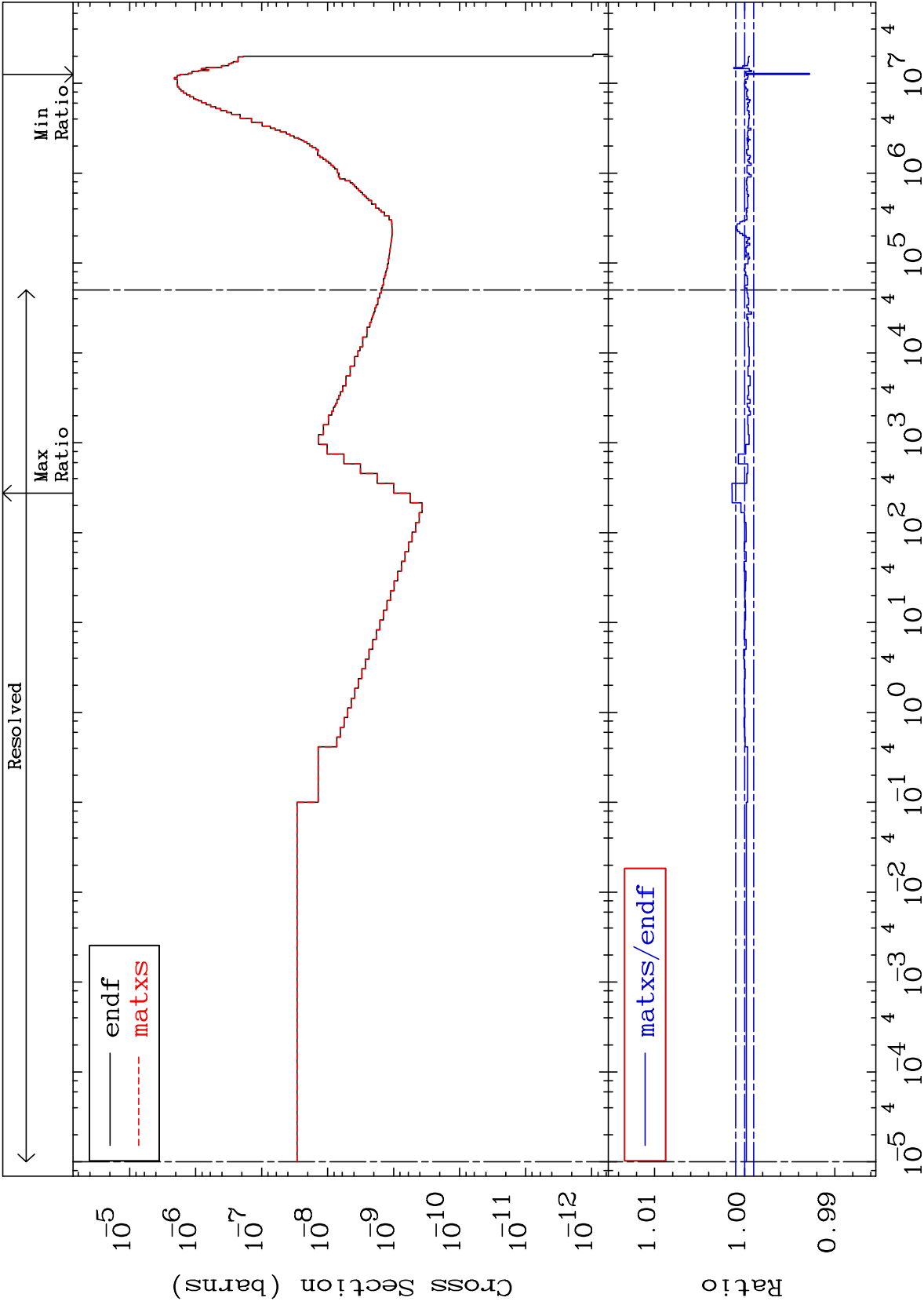
Incident Energy (eV)

82-Pb-204

MAT 8225

1.560 keV (n,α') Level
Cross Section

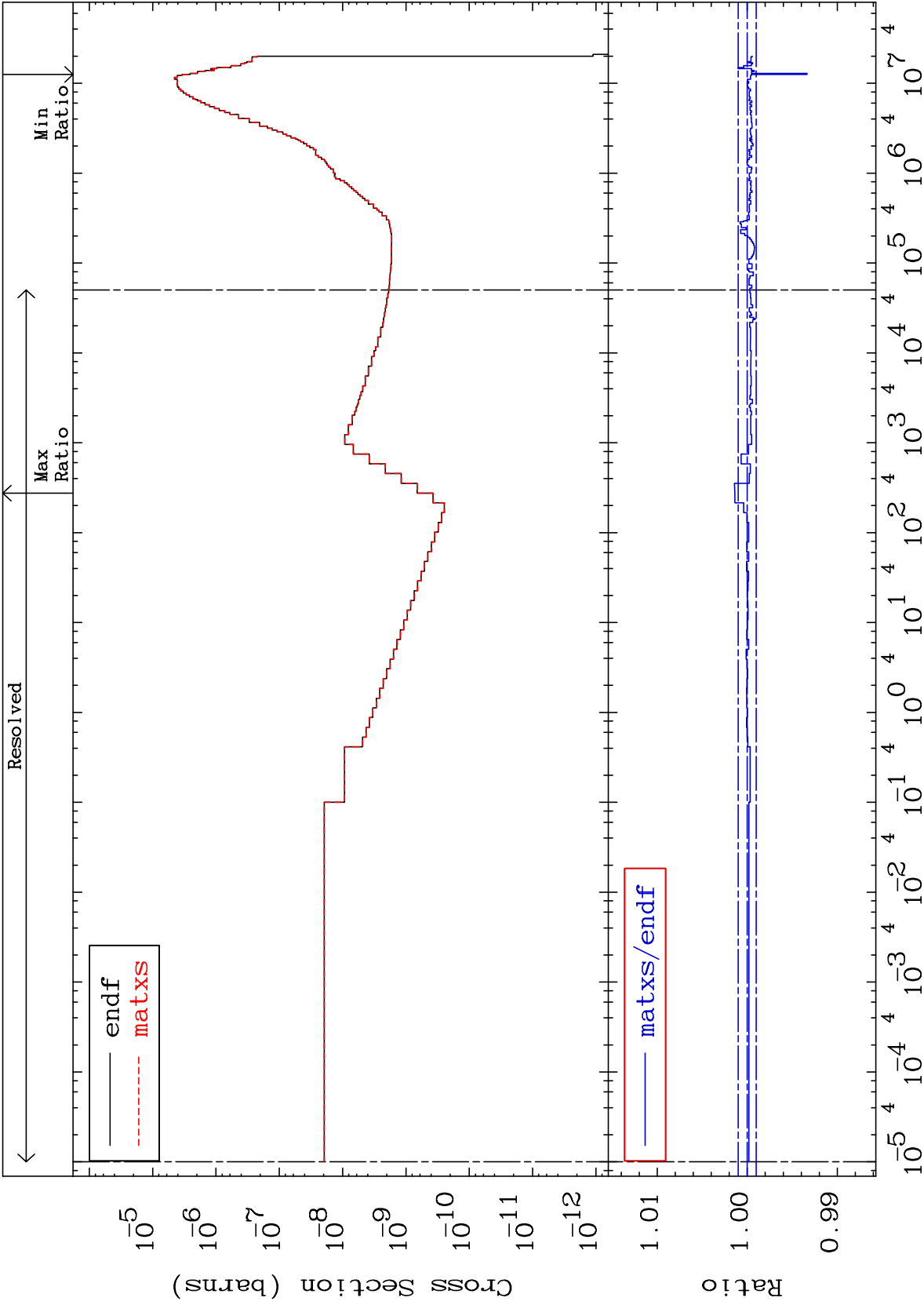
82-Pb-204
-0.720 To 0.142 %



MAT 8225

26.27 keV (n, α') Level
Cross Section

82-Pb-204
-0.664 To 0.142 %



57

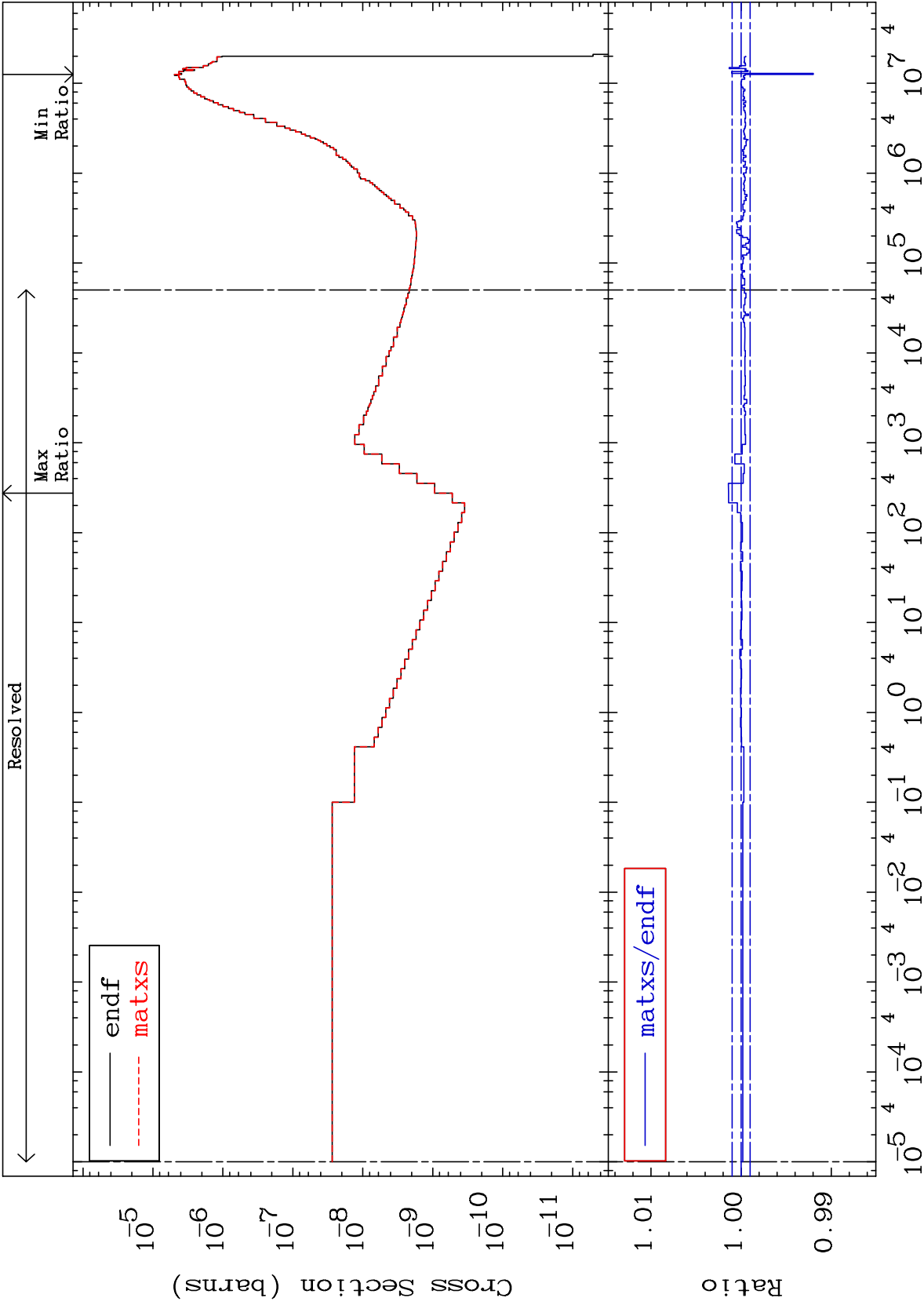
Incident Energy (eV)

82-Pb-204

MAT 8225

32.14 keV (n, α') Level
Cross Section

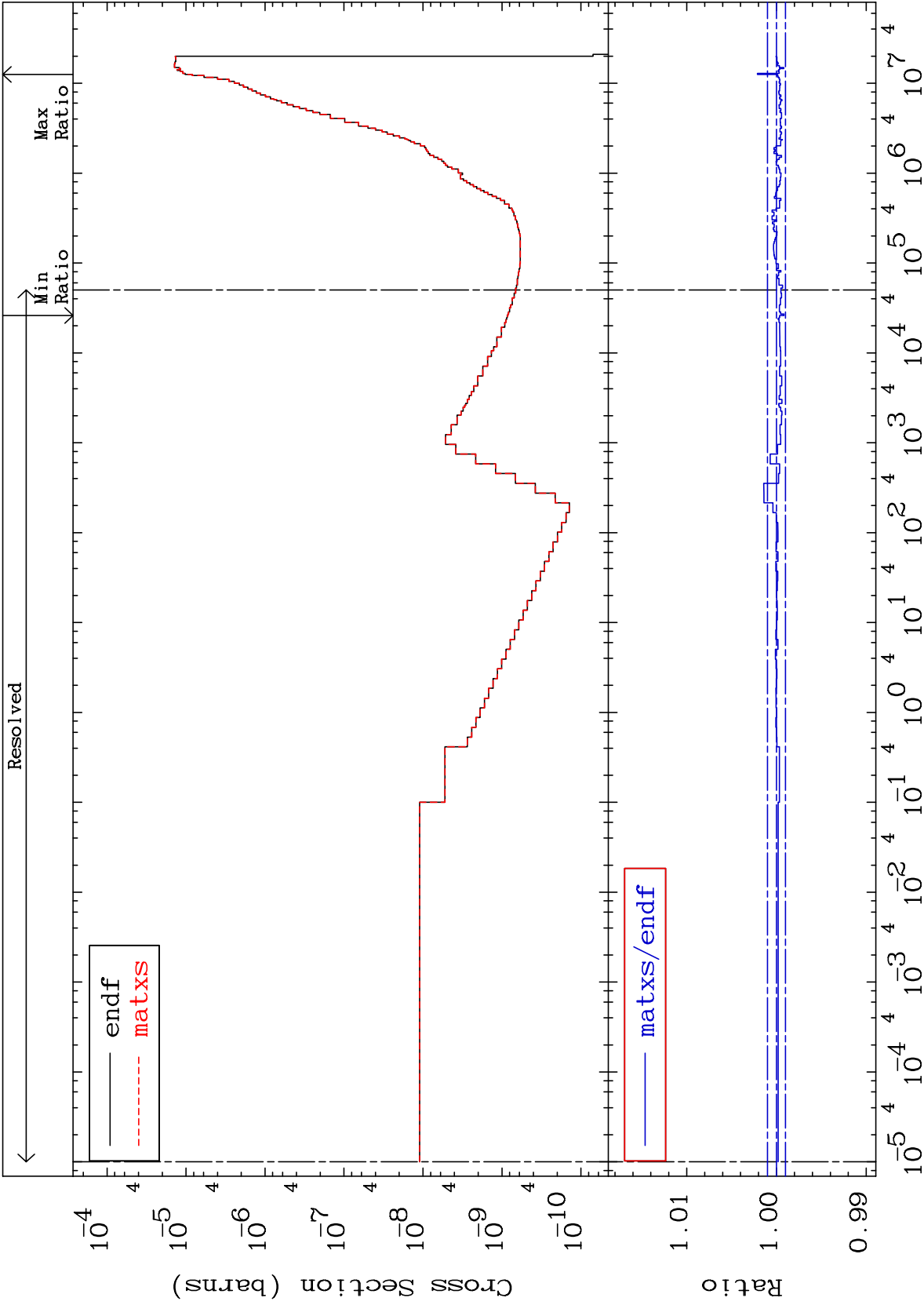
82-Pb-204
-0.800 To 0.142 %



MAT 8225

167.5 keV (n, α') Level
Cross Section

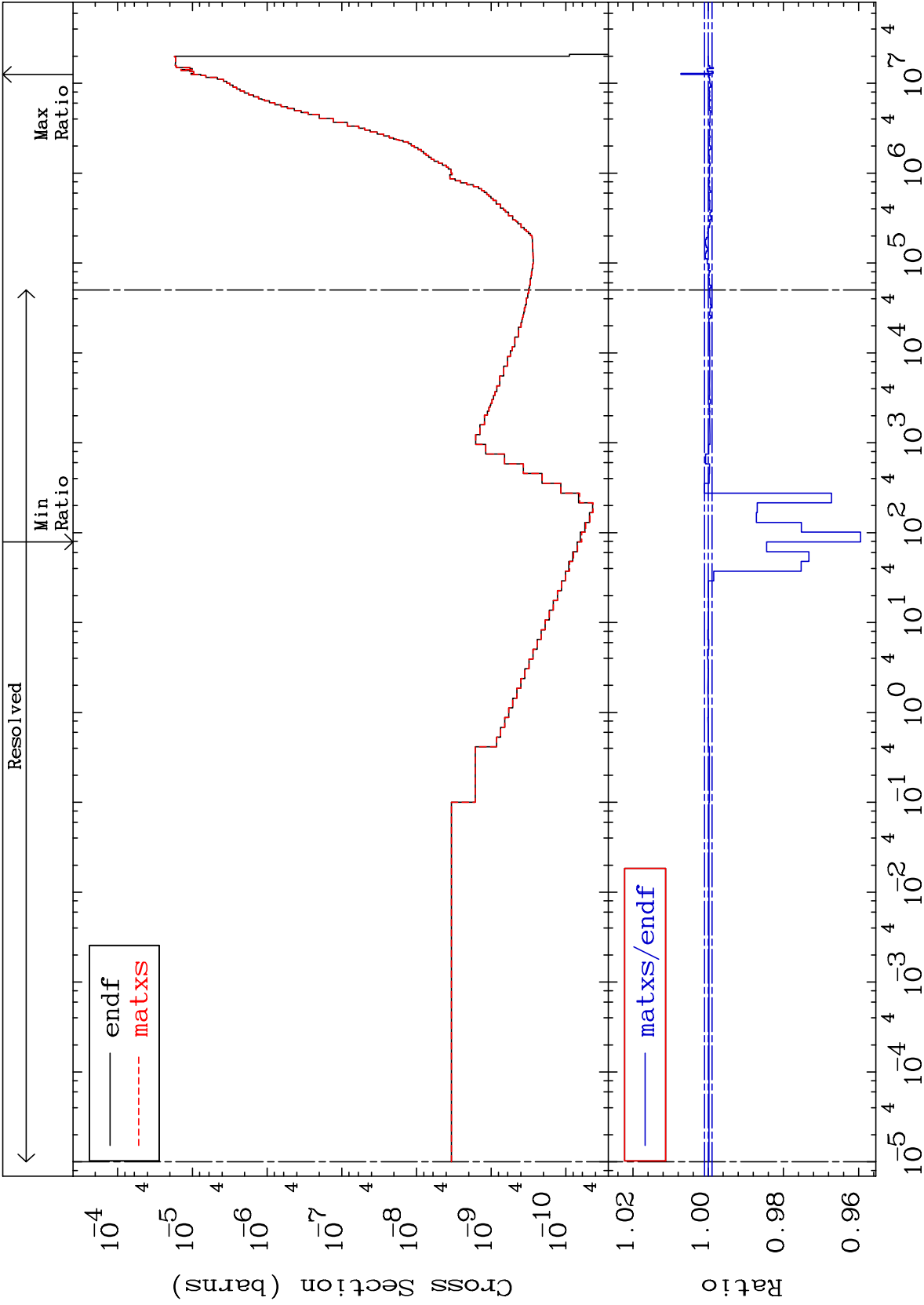
82-Pb-204
-0.084 To 0.212 %



MAT 8225

384.6 keV (n,α') Level
Cross Section

82-Pb-204
-4.052 To 0.725 %



60

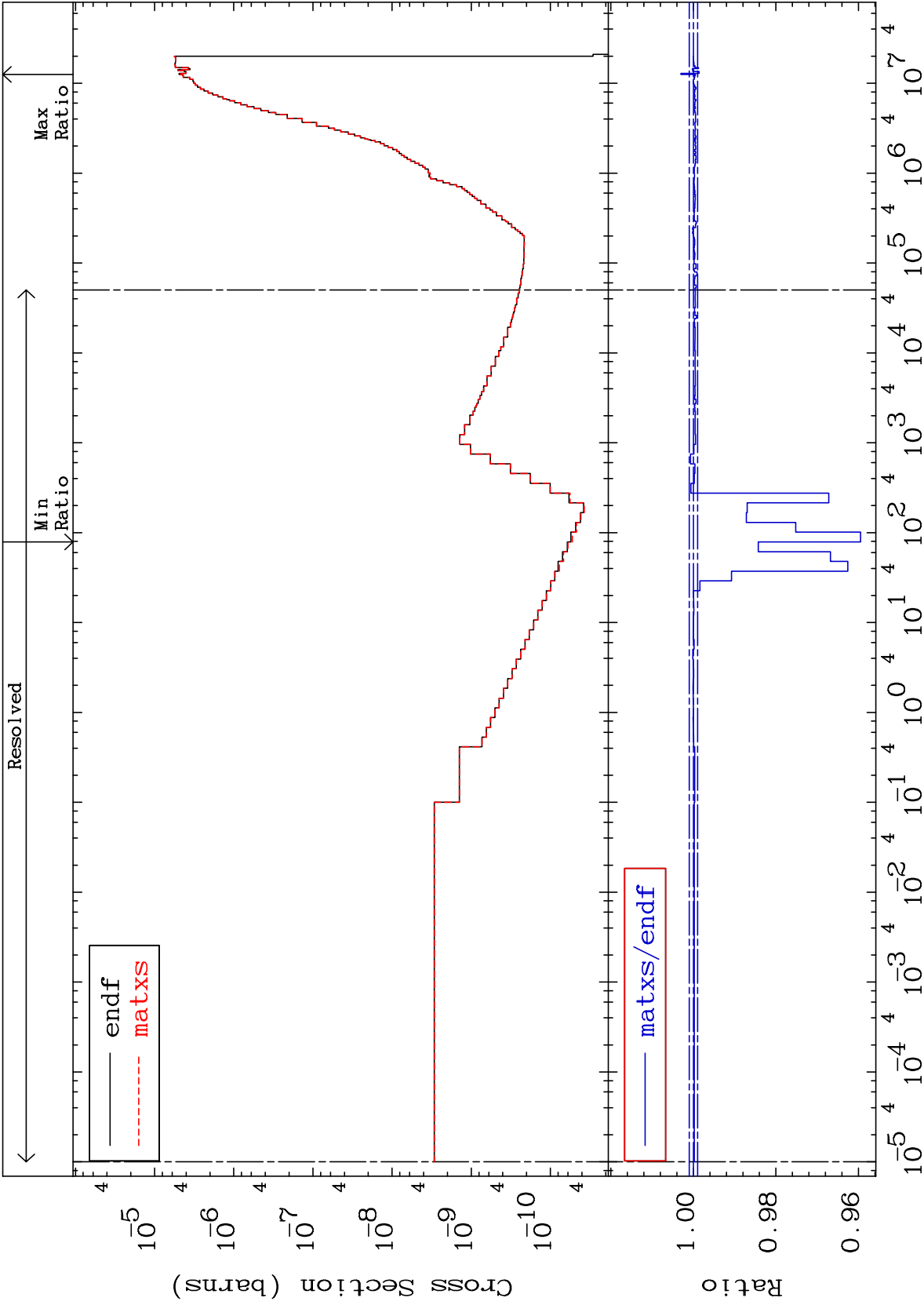
Incident Energy (eV)

82-Pb-204

MAT 8225

414.5 keV (n, α') Level
Cross Section

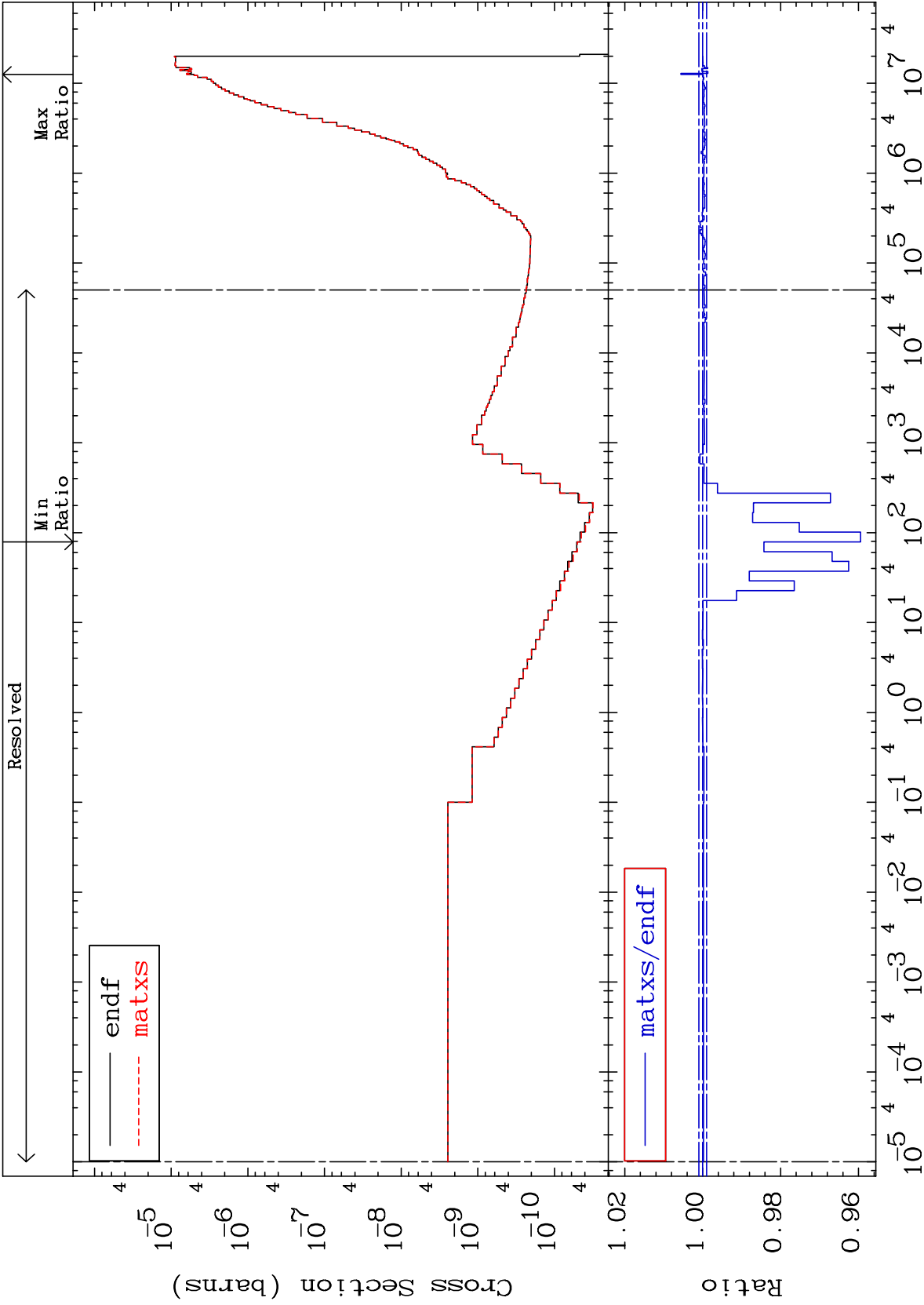
82-Pb-204
-4.052 To 0.303 %



MAT 8225

464.4 keV (n, α') Level
Cross Section

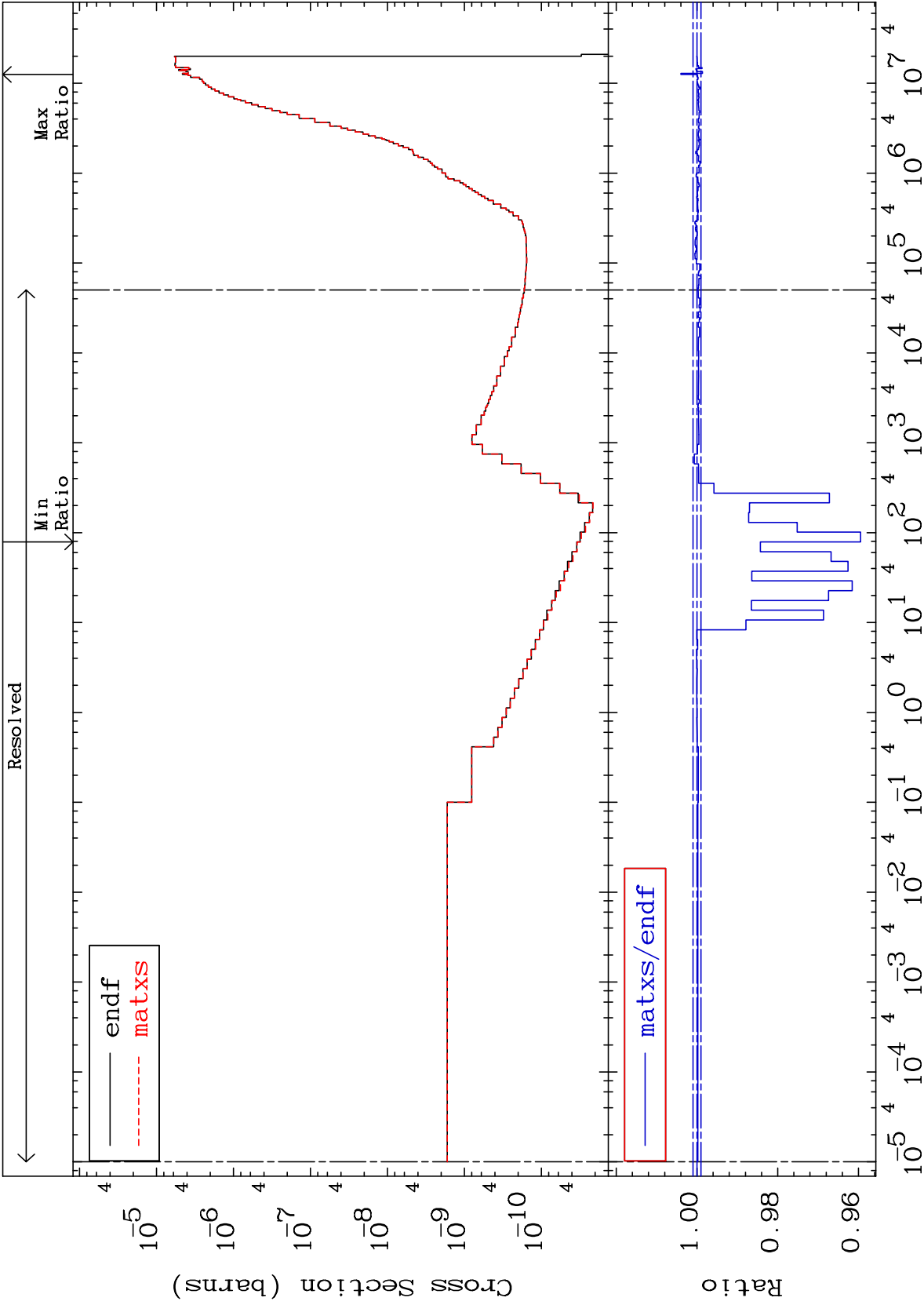
82-Pb-204
-4.052 To 0.558 %



MAT 8225

543.3 keV (n, α') Level
Cross Section

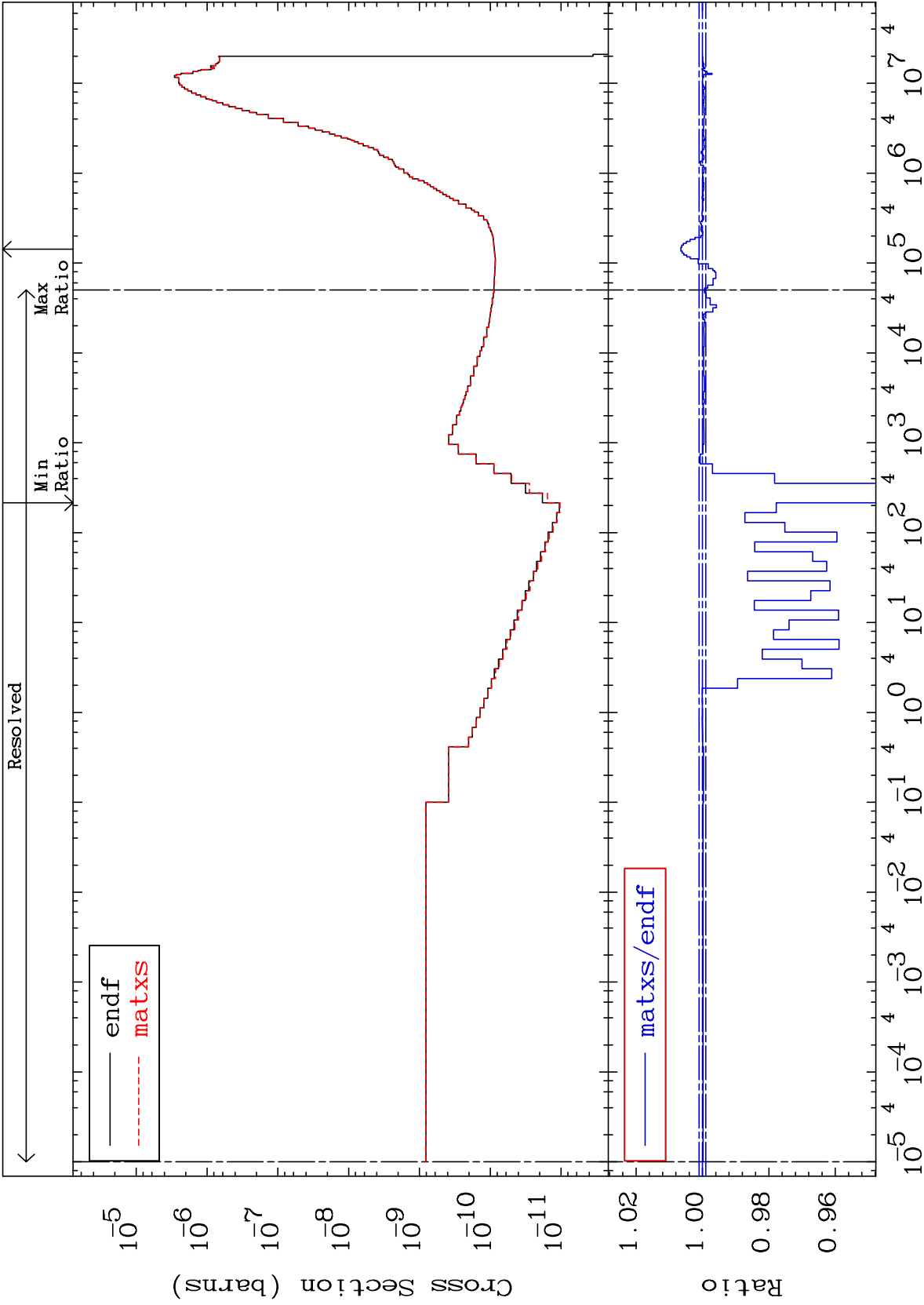
82-Pb-204
-4.052 To 0.398 %



MAT 8225

547.3 keV (n, α') Level
Cross Section

82-Pb-204
-14.68 To 0.648 %



64

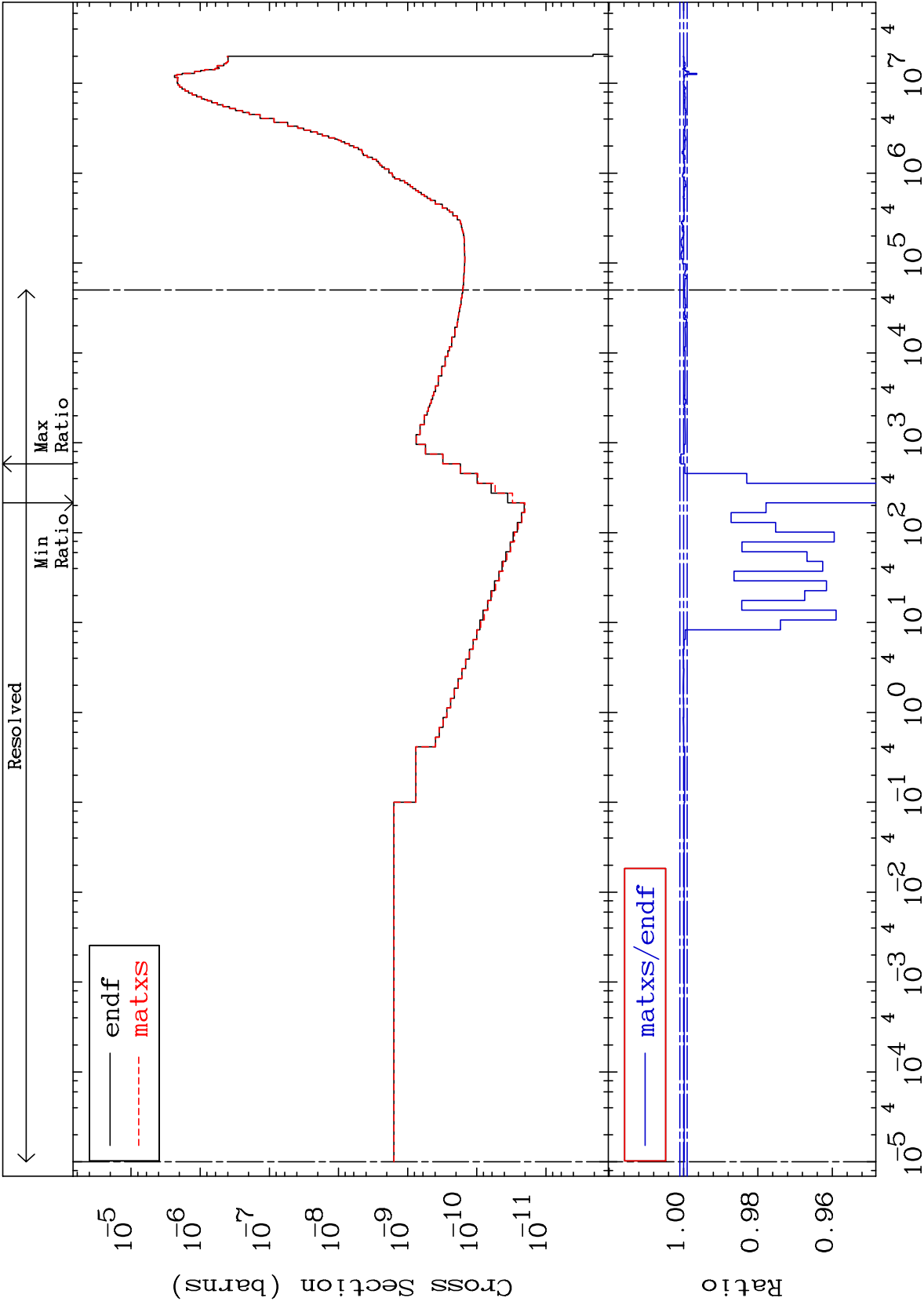
Incident Energy (eV)

82-Pb-204

MAT 8225

553.0 keV (n, α') Level
Cross Section

82-Pb-204
-14.68 To 0.069 %



65

82-Pb-204

MAT 8225

553.0 keV (n, α') Level
Cross Section

82-Pb-204
-1.283 To 0.363 %

