

Program Complot
(Version 2018-1)

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:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

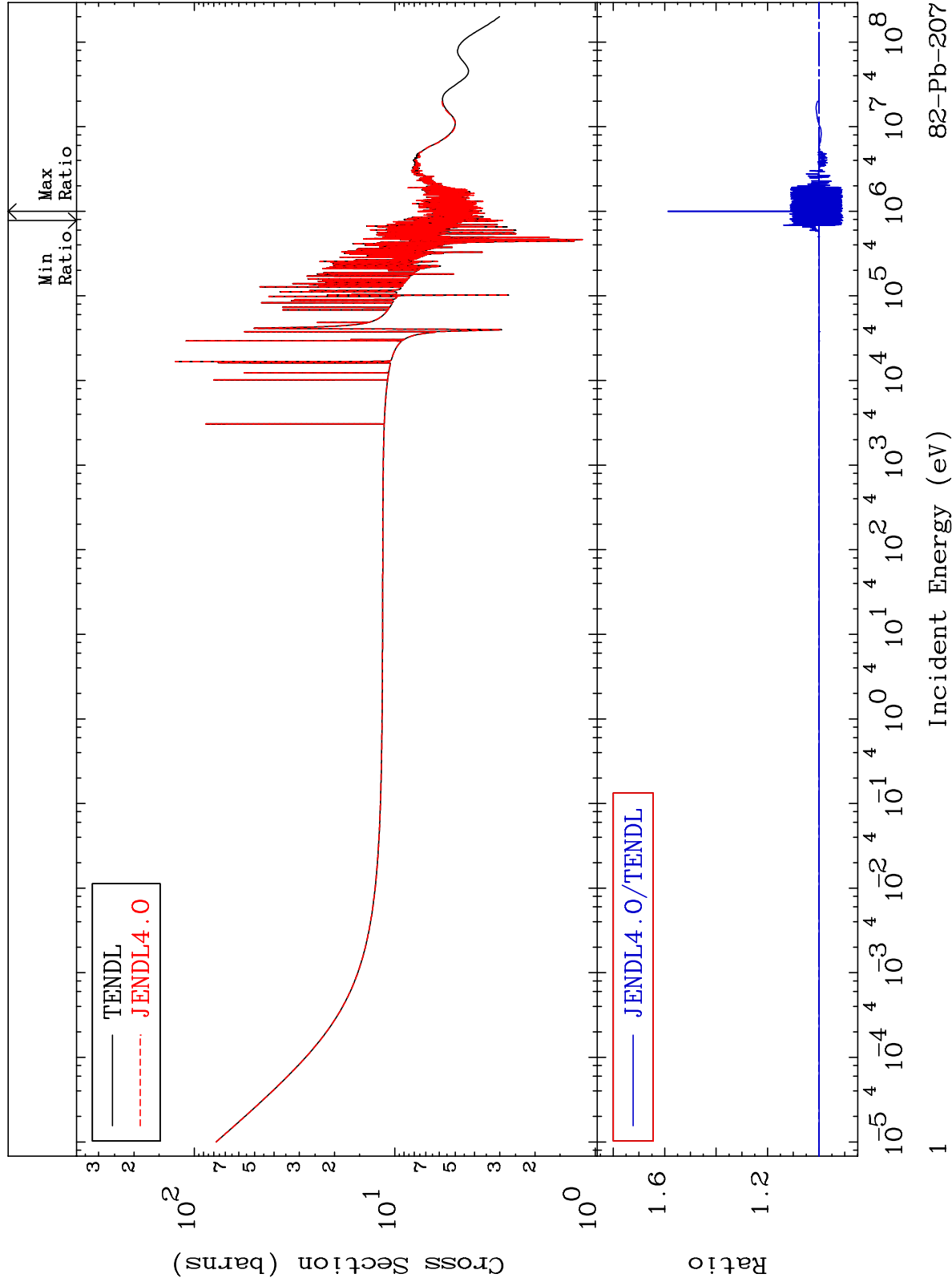
MAT 8234

Total

Cross Section

82-Pb-207

-9.253 To 58.71 %



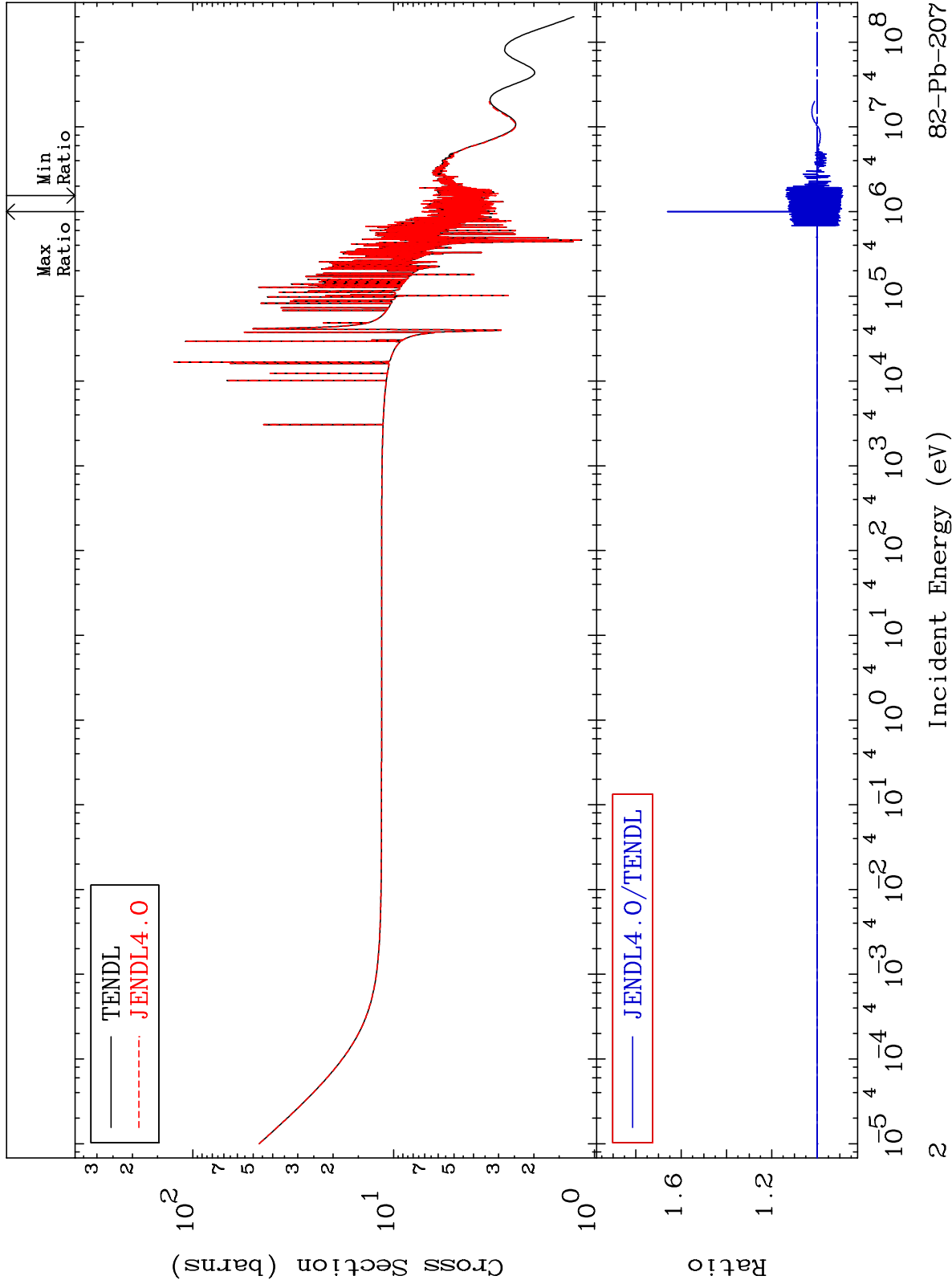
Incident Energy (eV)

82-Pb-207

MAT 8234

Elastic
Cross Section

82-Pb-207
-11.22 To 65.99 %



82-Pb-207

Incident Energy (eV)

2

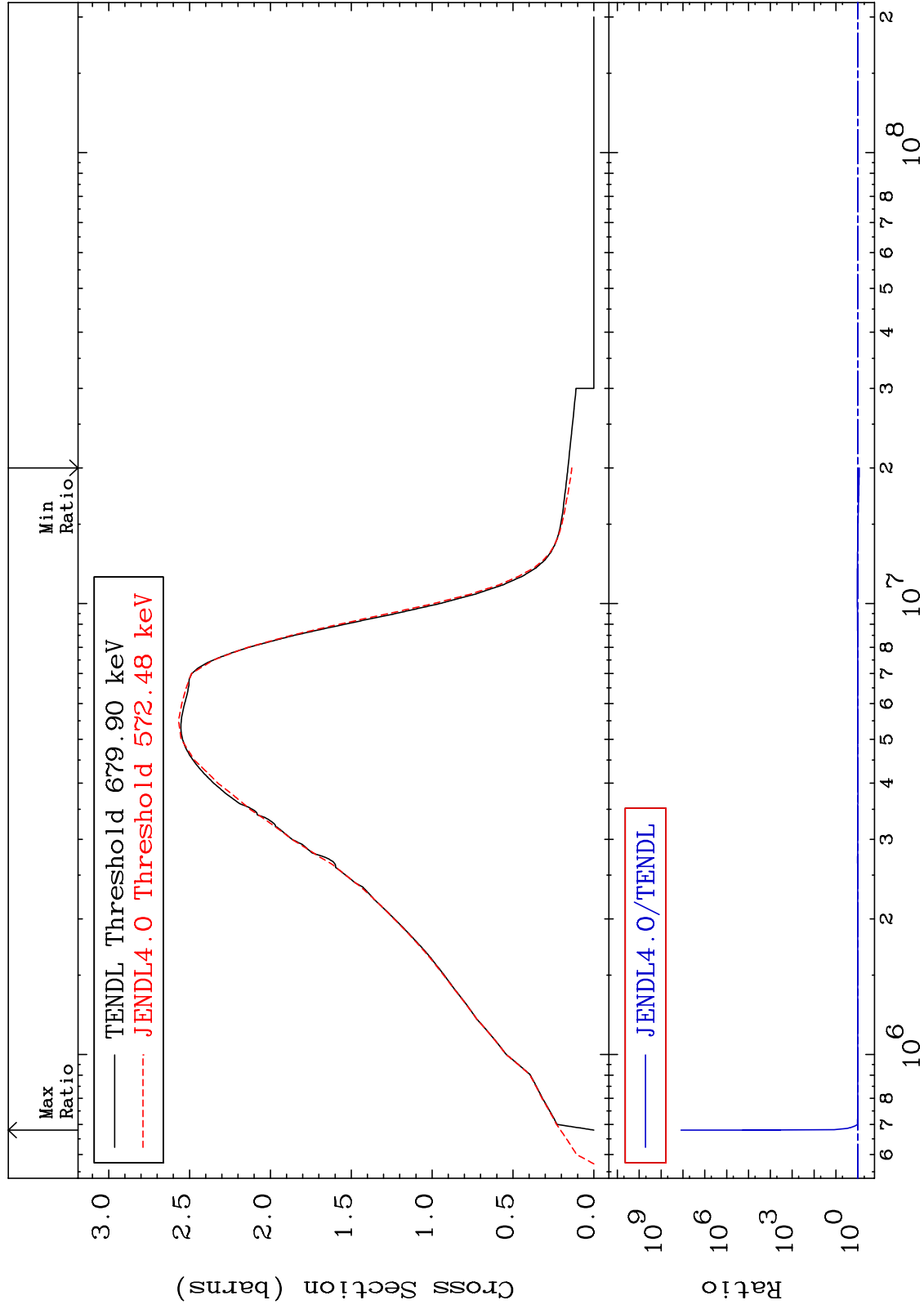
MAT 8234

Inelastic

82-Pb-207

Cross Section

-15.06 To 9999. %



3

Incident Energy (eV)

82-Pb-207

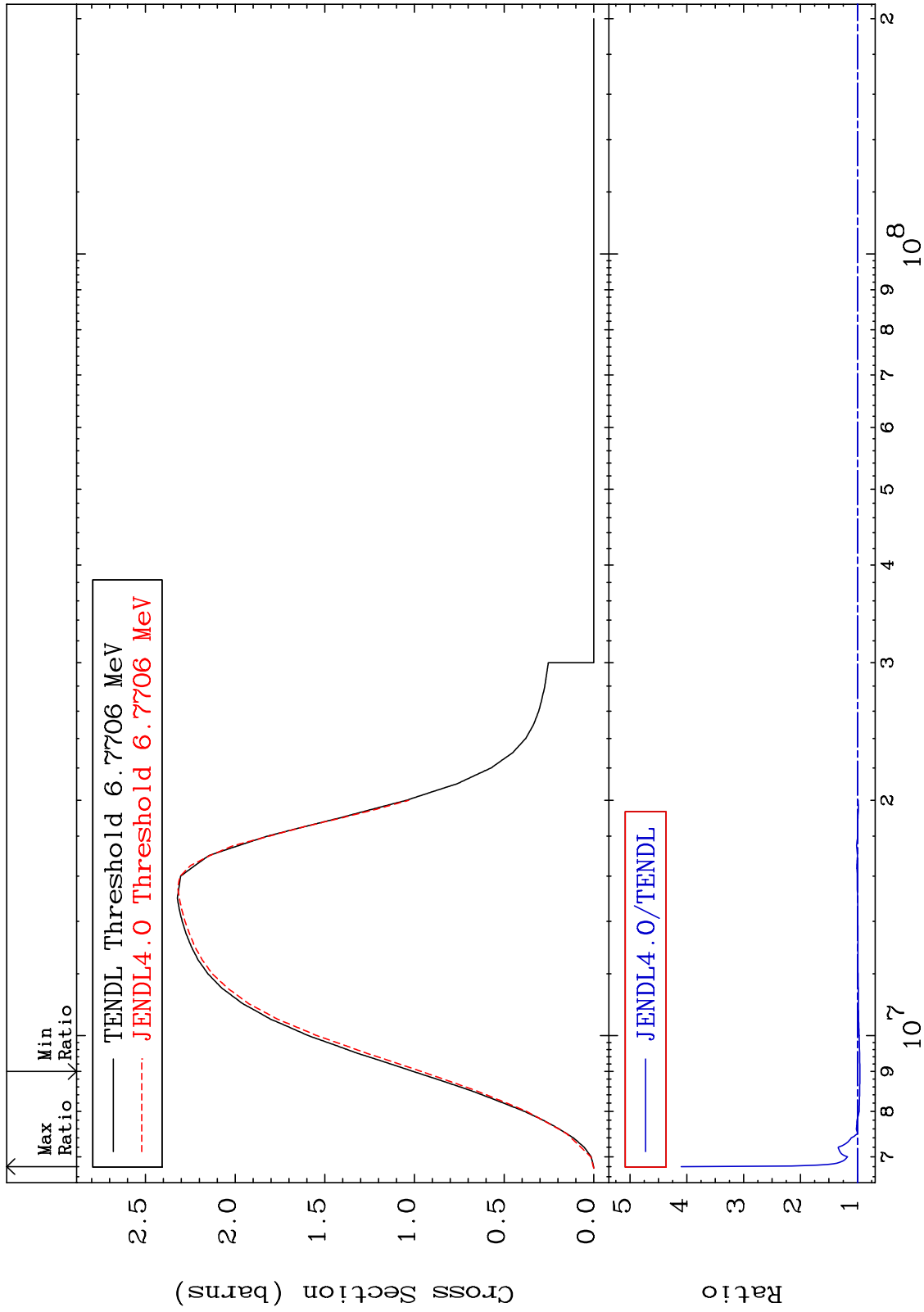
MAT 8234

(n, 2n)

82-Pb-207

Cross Section

-4.458 To 309.8 %



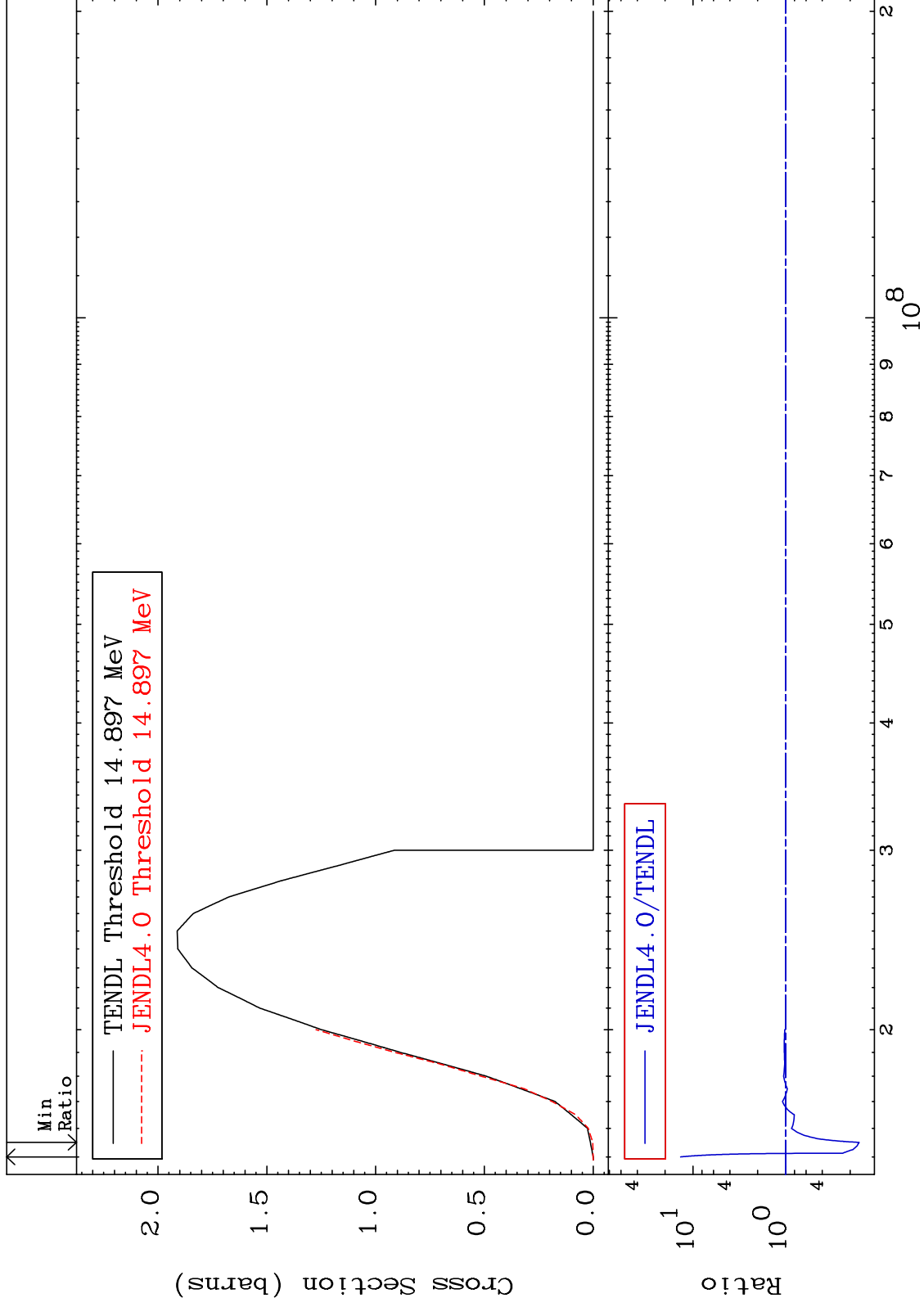
MAT 8234

(n, 3n)

82-Pb-207

Cross Section

-84.04 To 1261. %



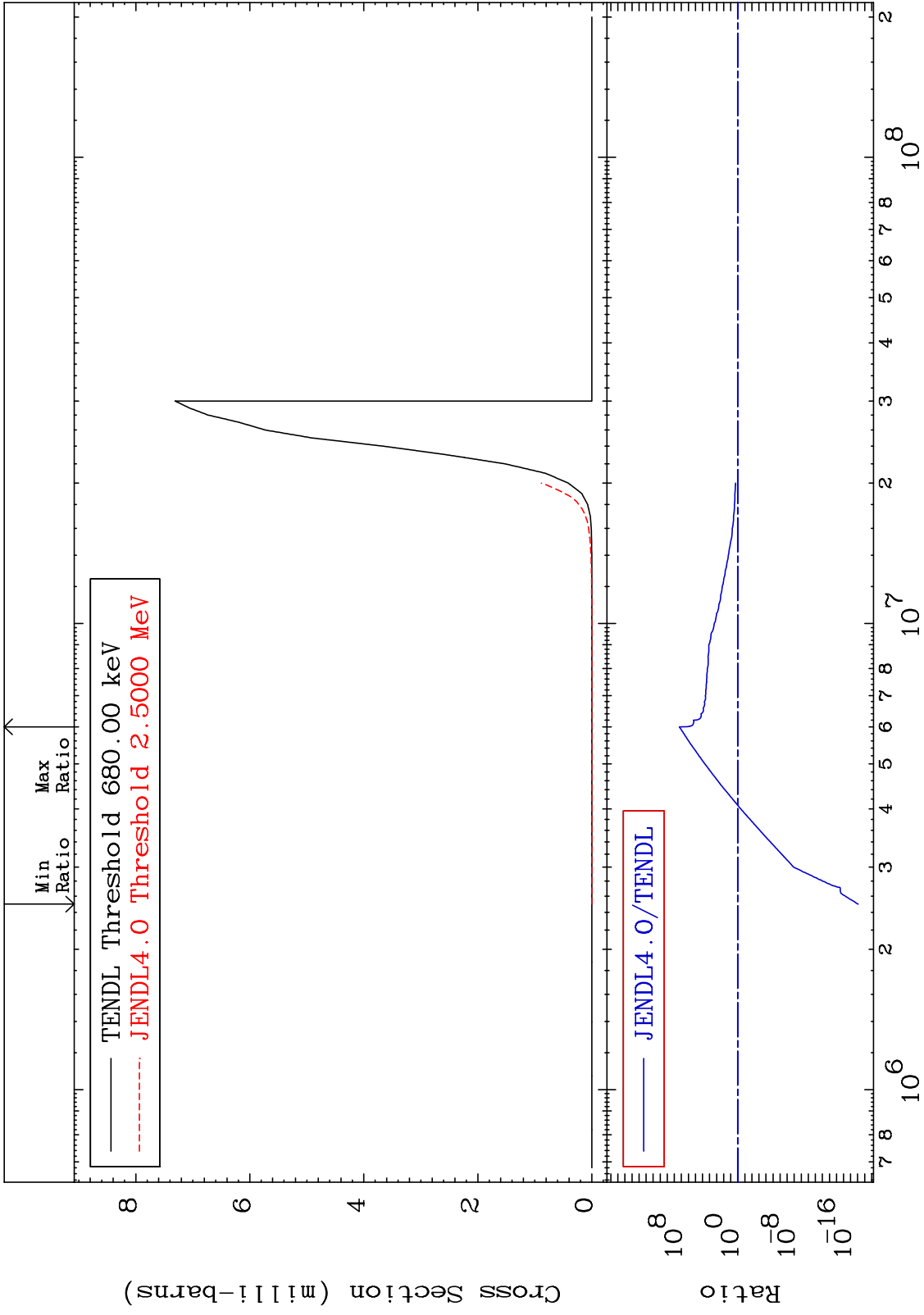
MAT 8234

(n, n') α

82-Pb-207

-100.0 To 9999. %

Cross Section



82-Pb-207

Incident Energy (eV)

6

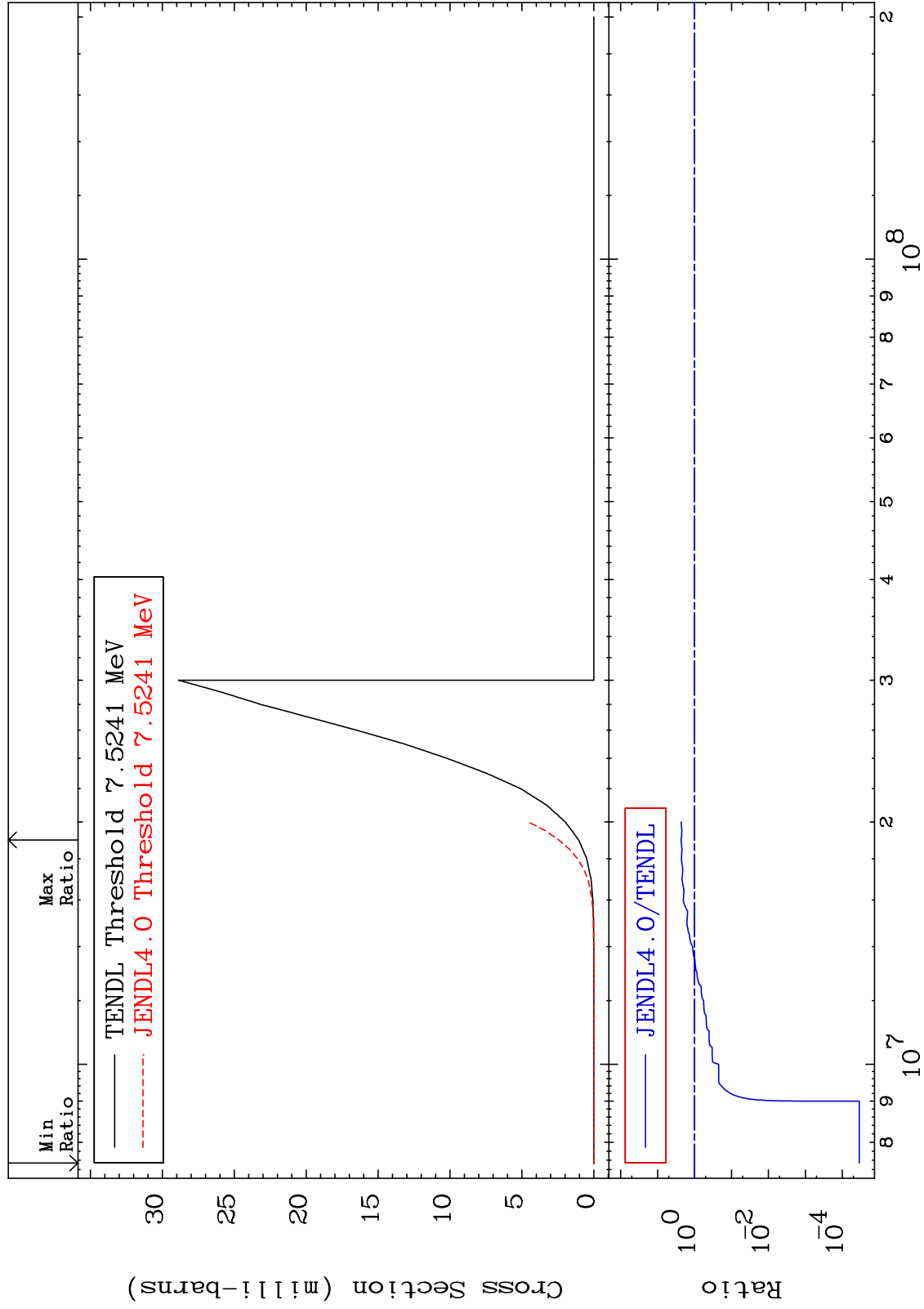
MAT 8234

(n,n') p

82-Pb-207

Cross Section

-100.0 To 131.8 %



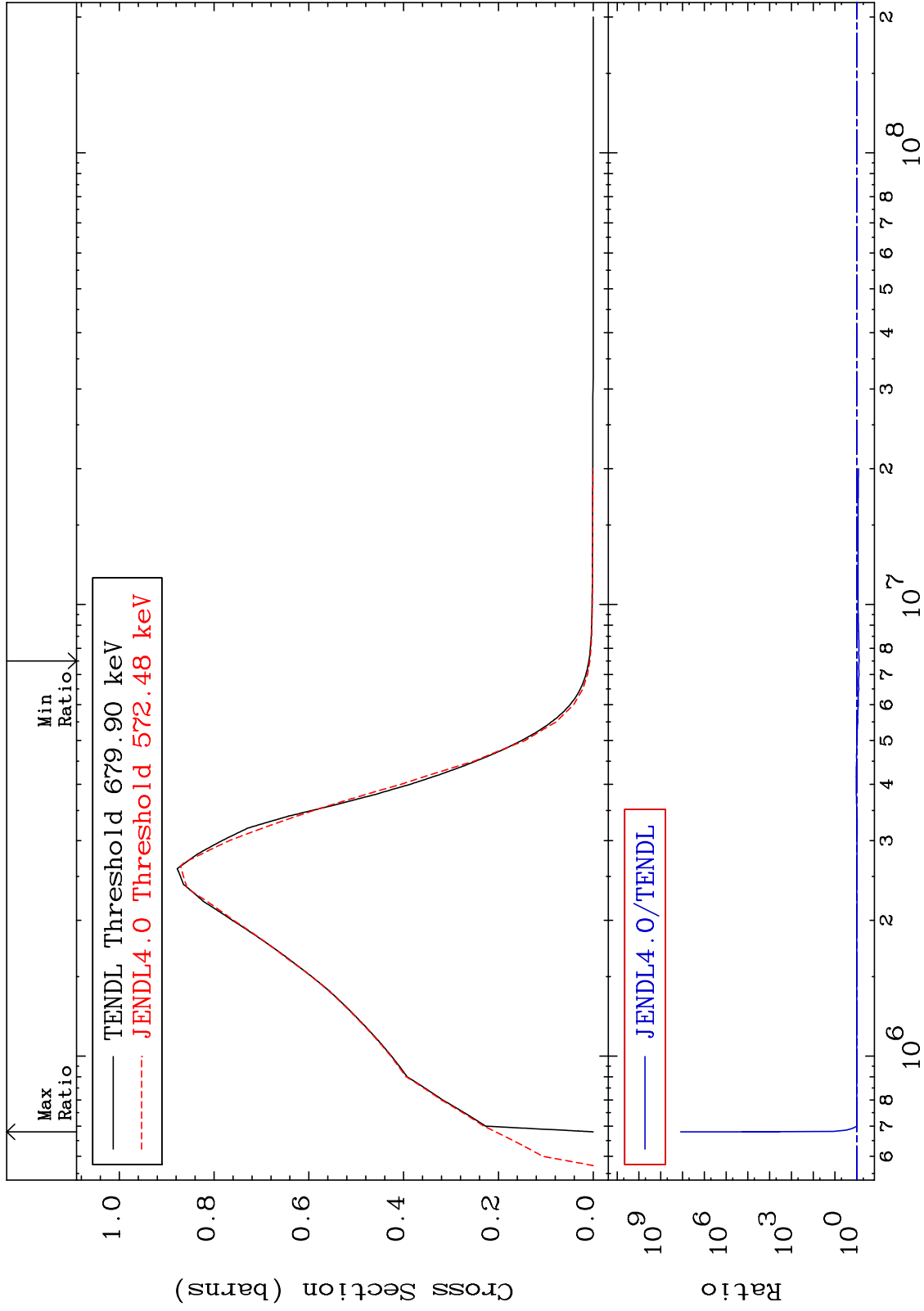
82-Pb-207

Incident Energy (eV)

MAT 8234

MT= 51 (n,n') Level
Cross Section

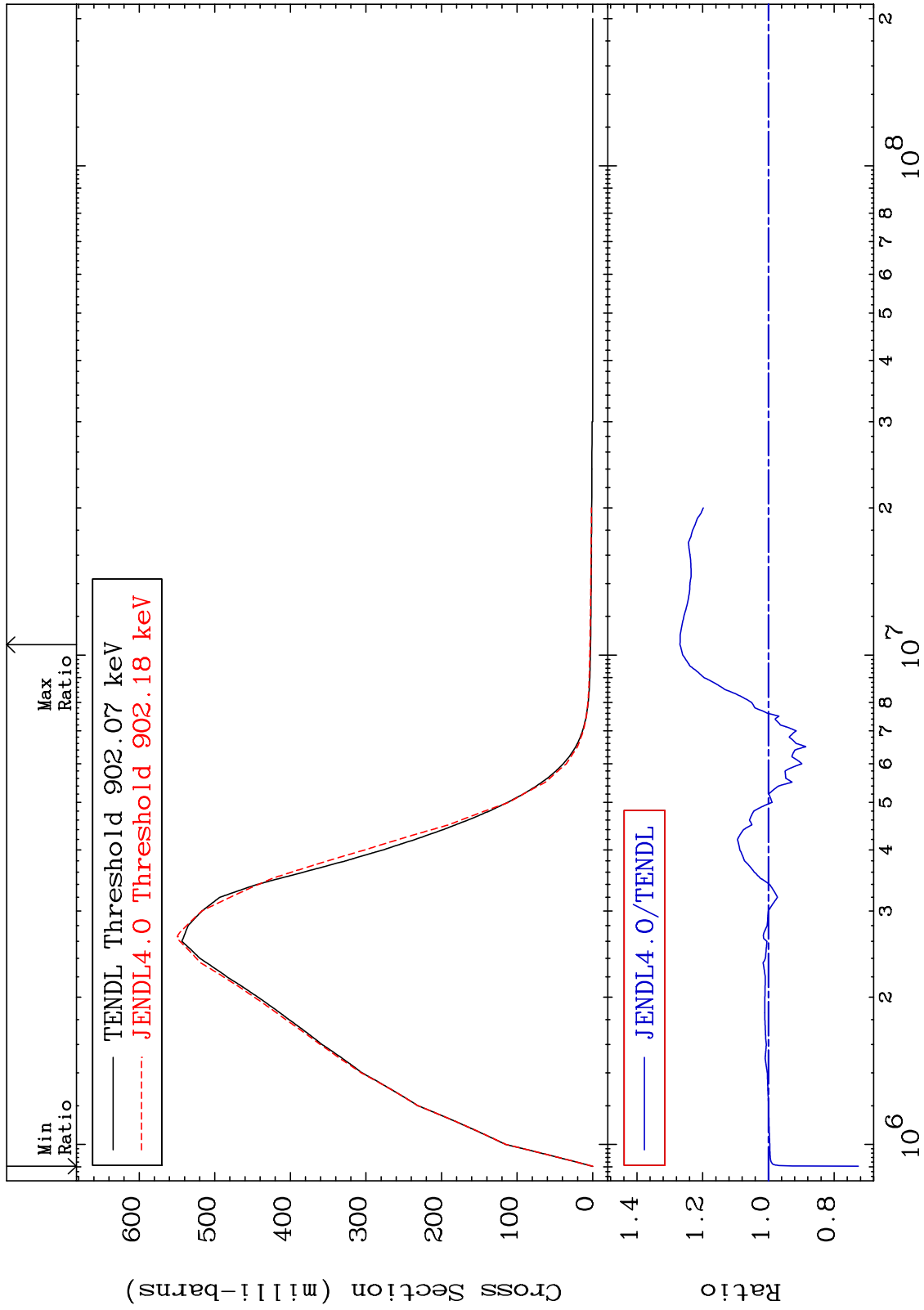
82-Pb-207
-22.41 To 9999. %



MAT 8234

MT= 52 (n,n') Level
Cross Section

82-Pb-207
-27.38 To 26.90 %

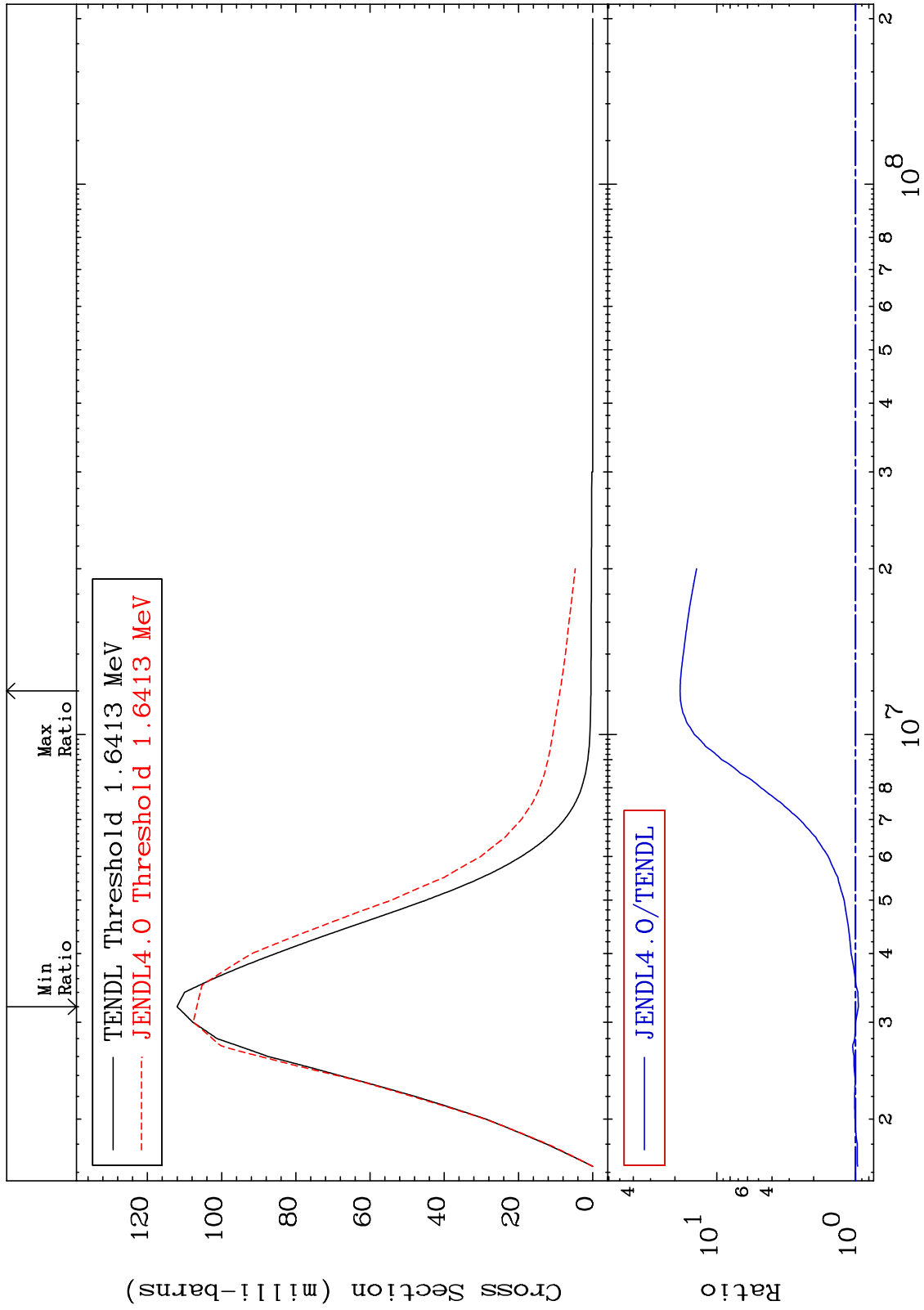


9 82-Pb-207

MAT 8234

MT= 53 (n, n') Level
Cross Section

82-Pb-207
-4.746 To 1739. %



10

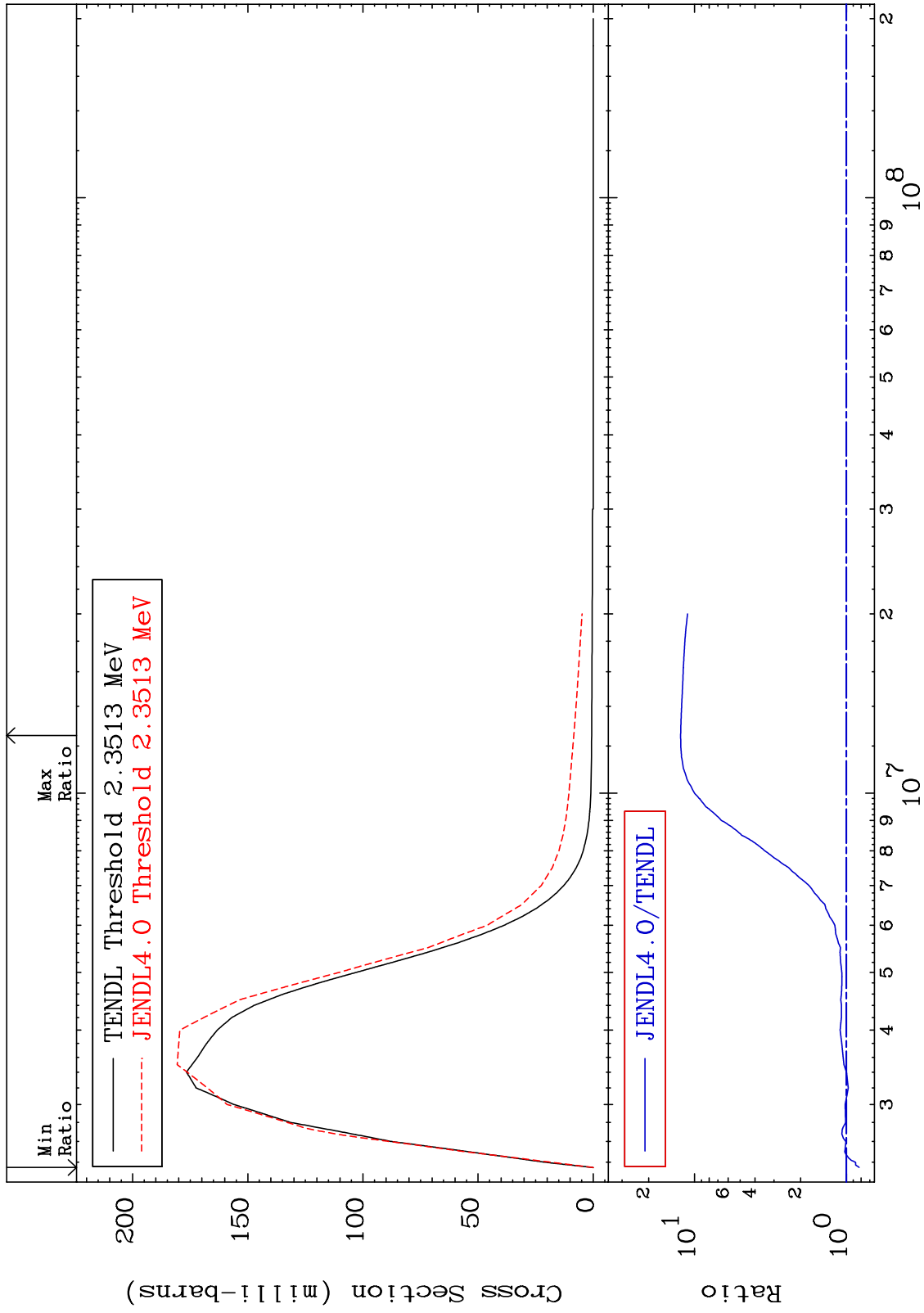
Incident Energy (eV)

82-Pb-207

MAT 8234

MT= 54 (n,n') Level
Cross Section

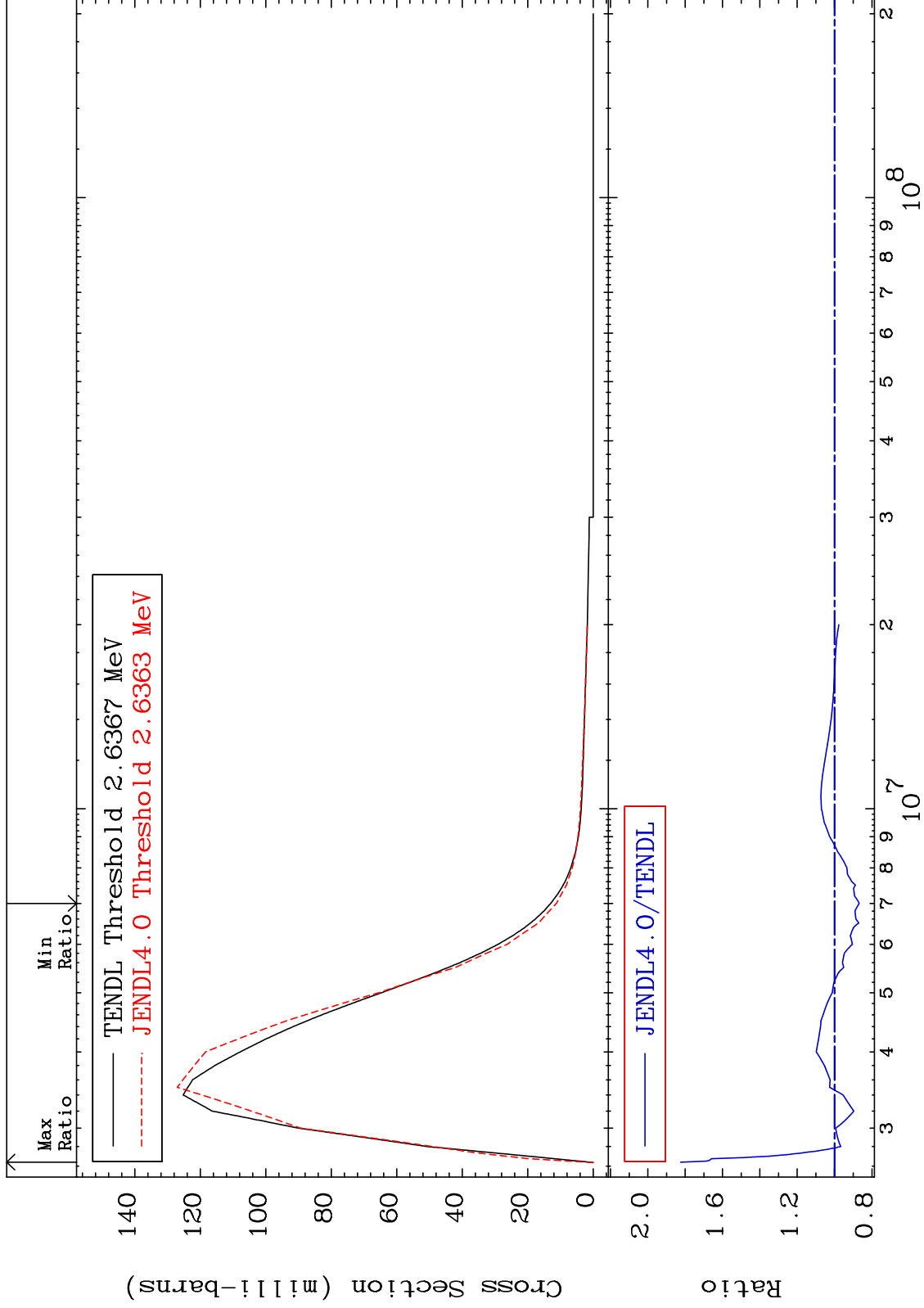
82-Pb-207
-17.66 To 1133. %



MAT 8234

MT= 55 (n,n') Level
Cross Section

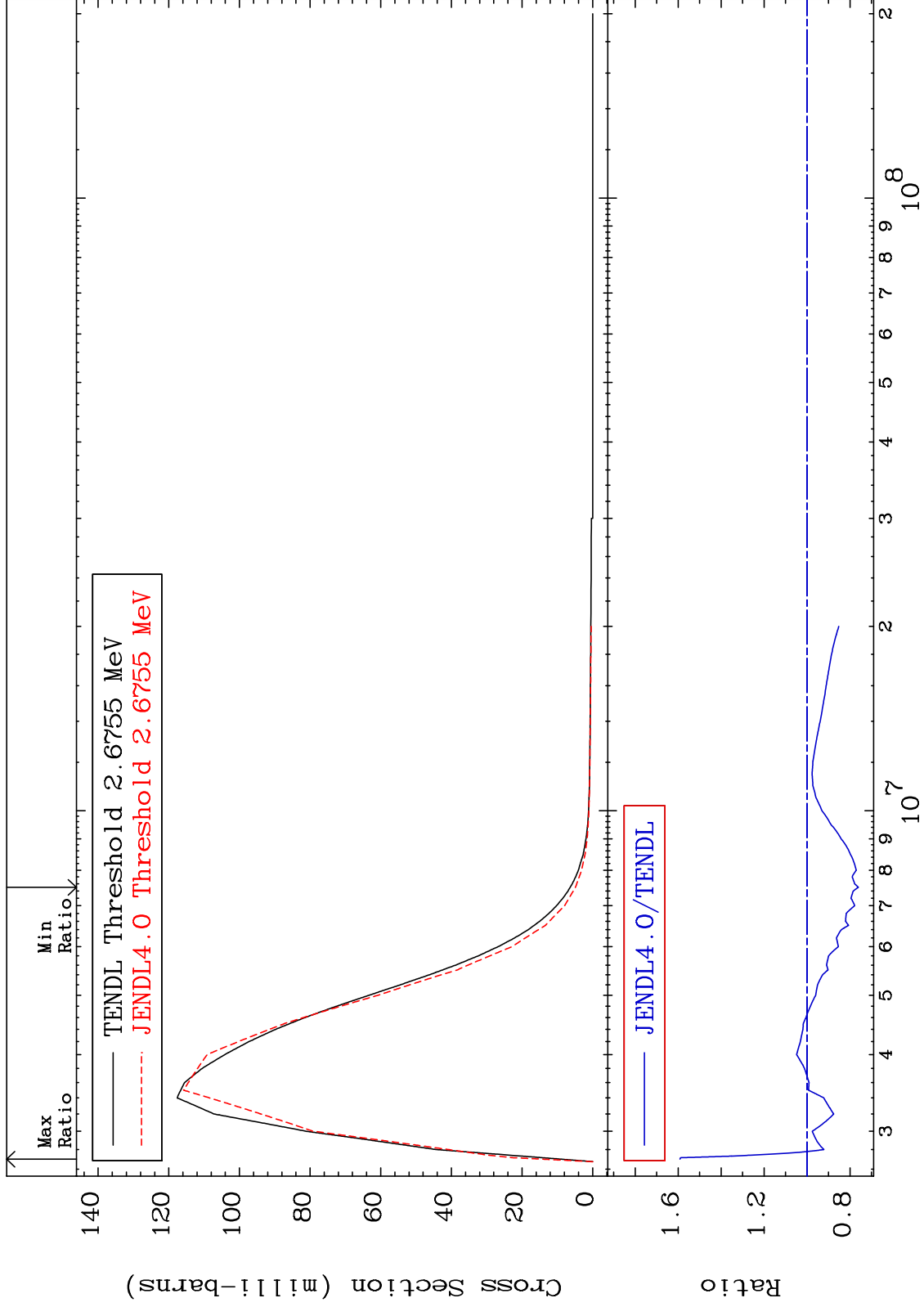
82-Pb-207
-13.18 To 82.46 %



MAT 8234

MT= 56 (n,n') Level
Cross Section

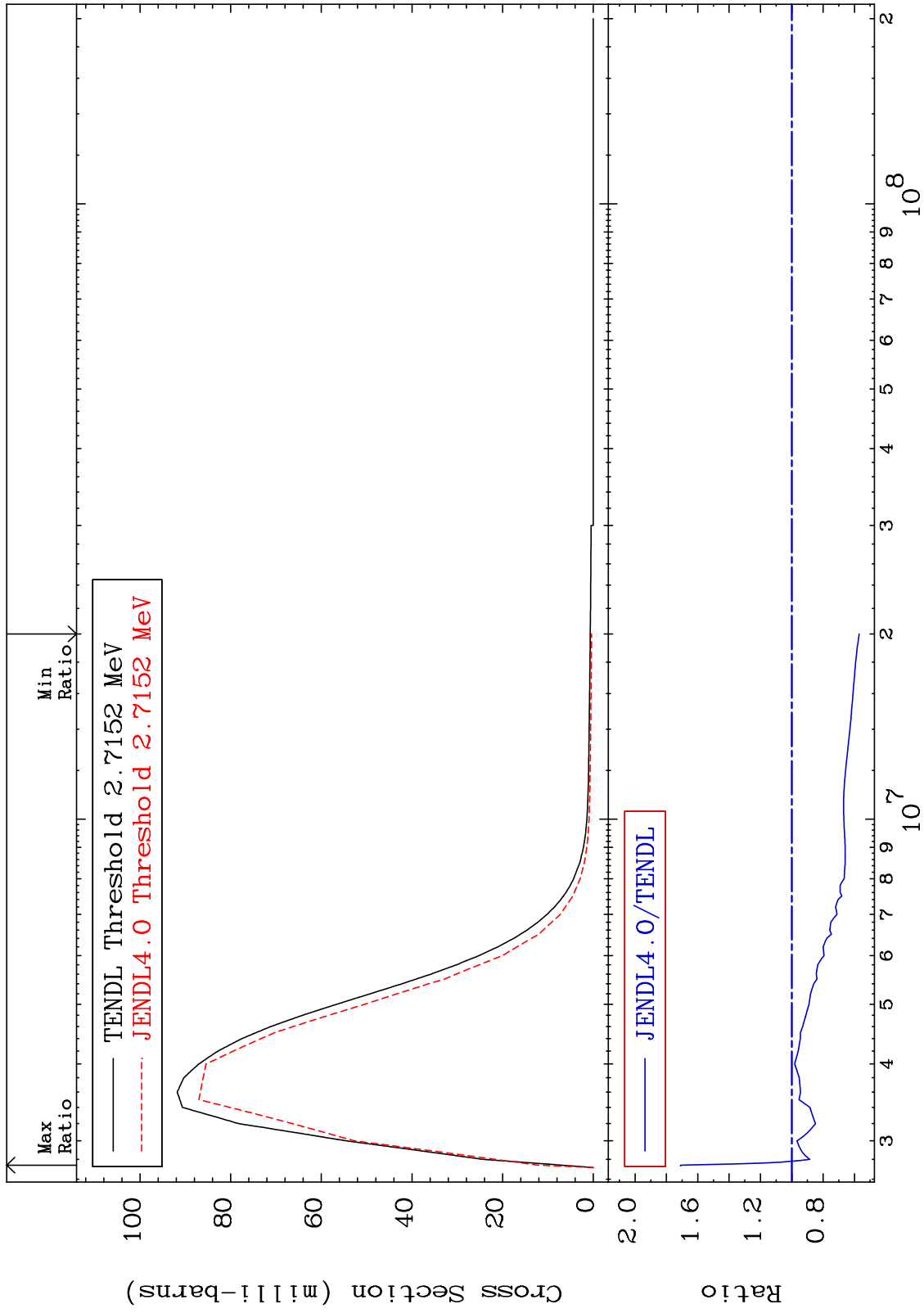
82-Pb-207
-23.93 To 59.12 %



MAT 8234

MT= 57 (n, n') Level
Cross Section

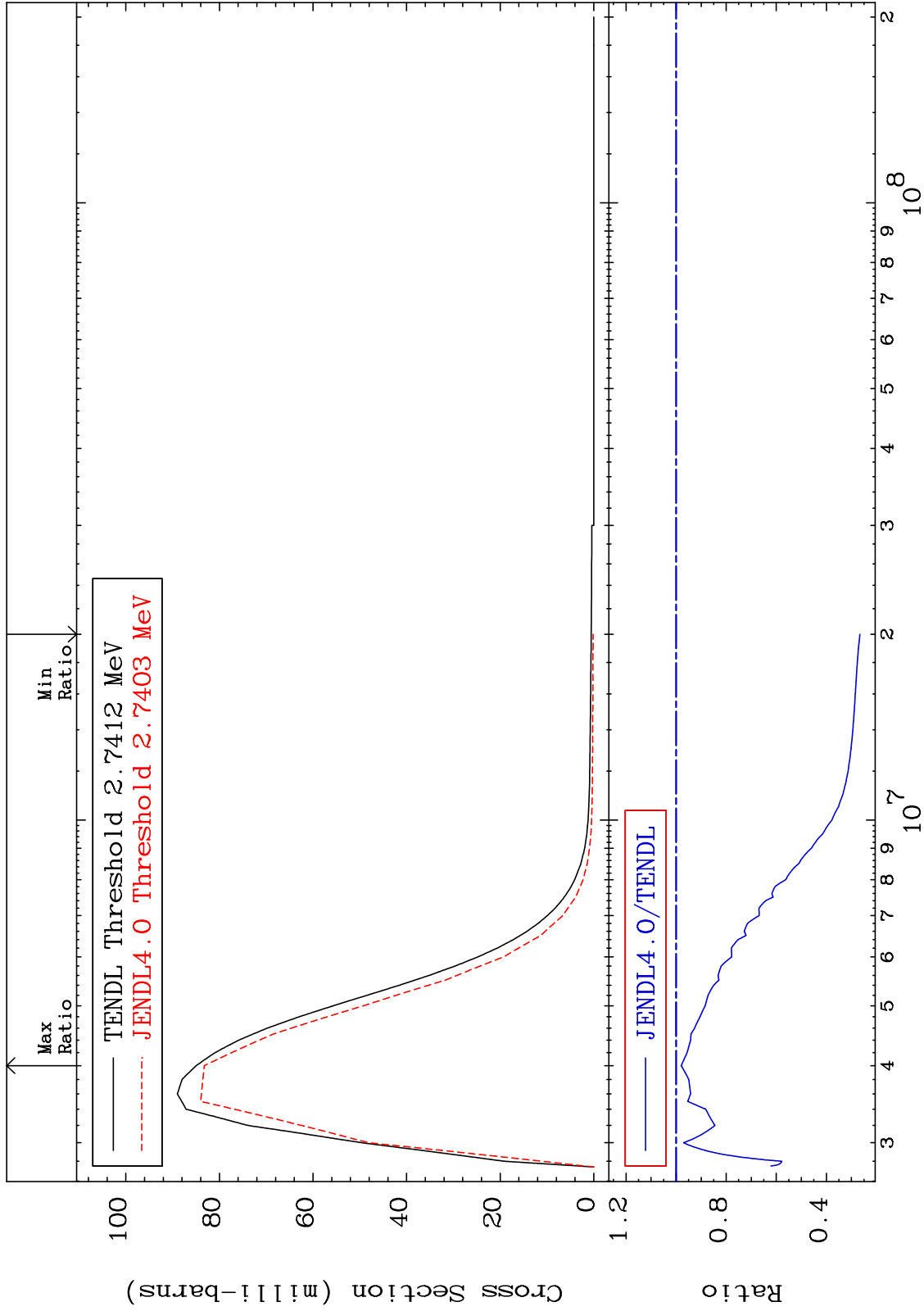
82-Pb-207
-43.01 To 70.95 %



MAT 8234

MT= 58 (n, n') Level
Cross Section

82-Pb-207
-73.40 To -2.040%



15

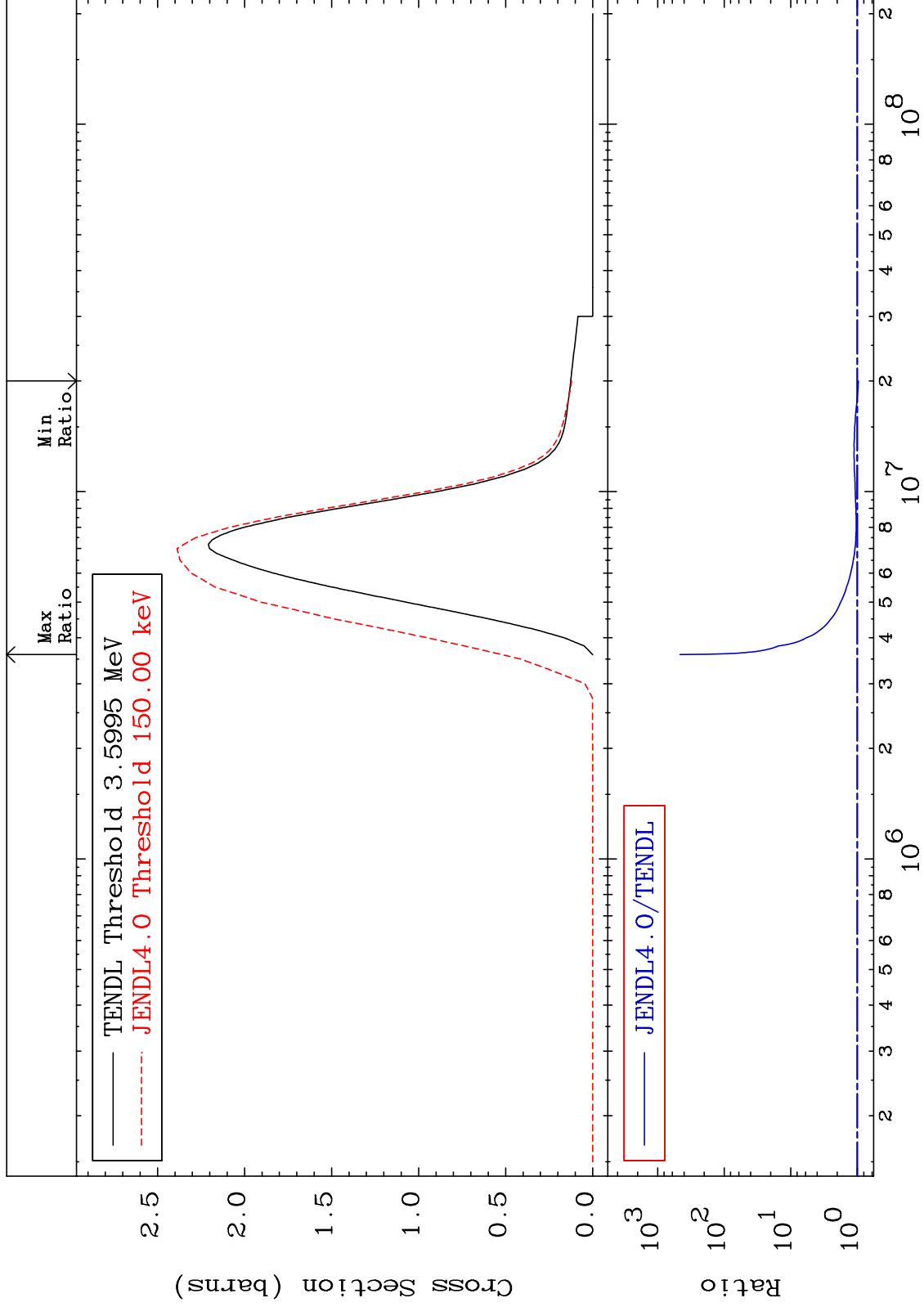
Incident Energy (eV)

82-Pb-207

MAT 8234

(n, n') Continuum
Cross Section

82-Pb-207
-3.874 To 9999. %



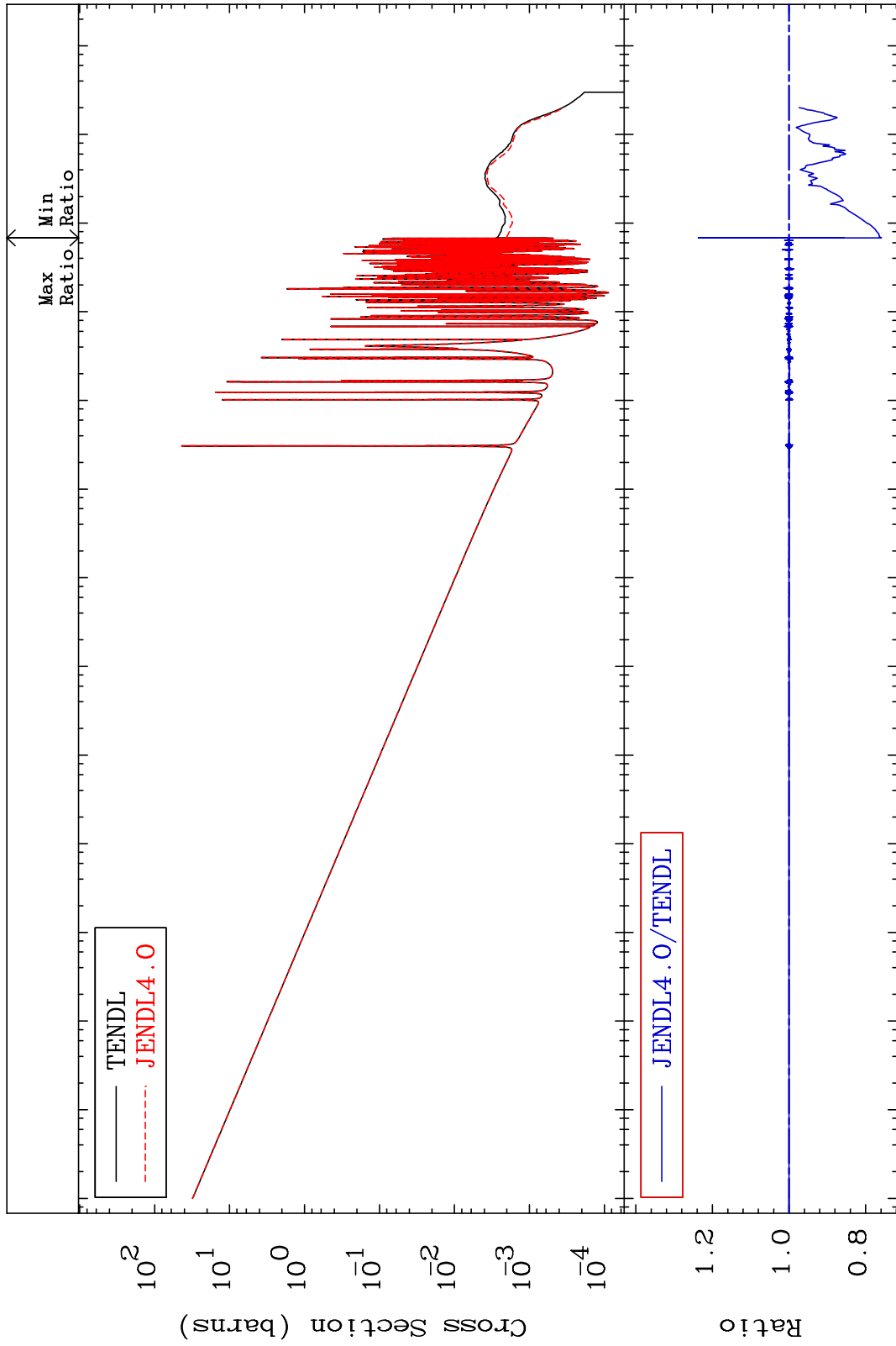
MAT 8234

(n, γ)

82-Pb-207

Cross Section

-24.16 To 23.68 %



Incident Energy (eV)

17

82-Pb-207

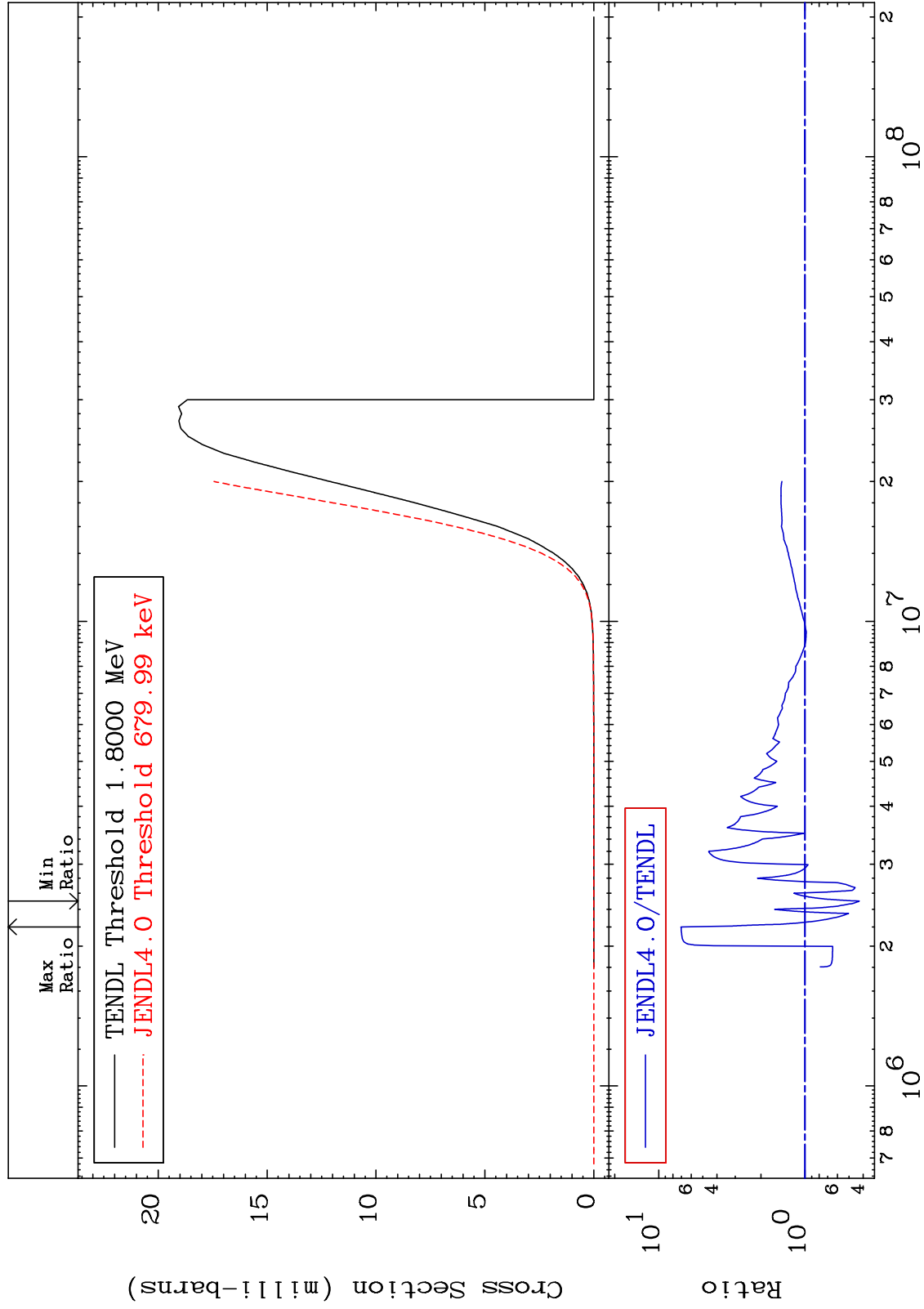
MAT 8234

(n, p)

82-Pb-207

Cross Section

-57.50 To 603.4 %



18

Incident Energy (eV)

82-Pb-207

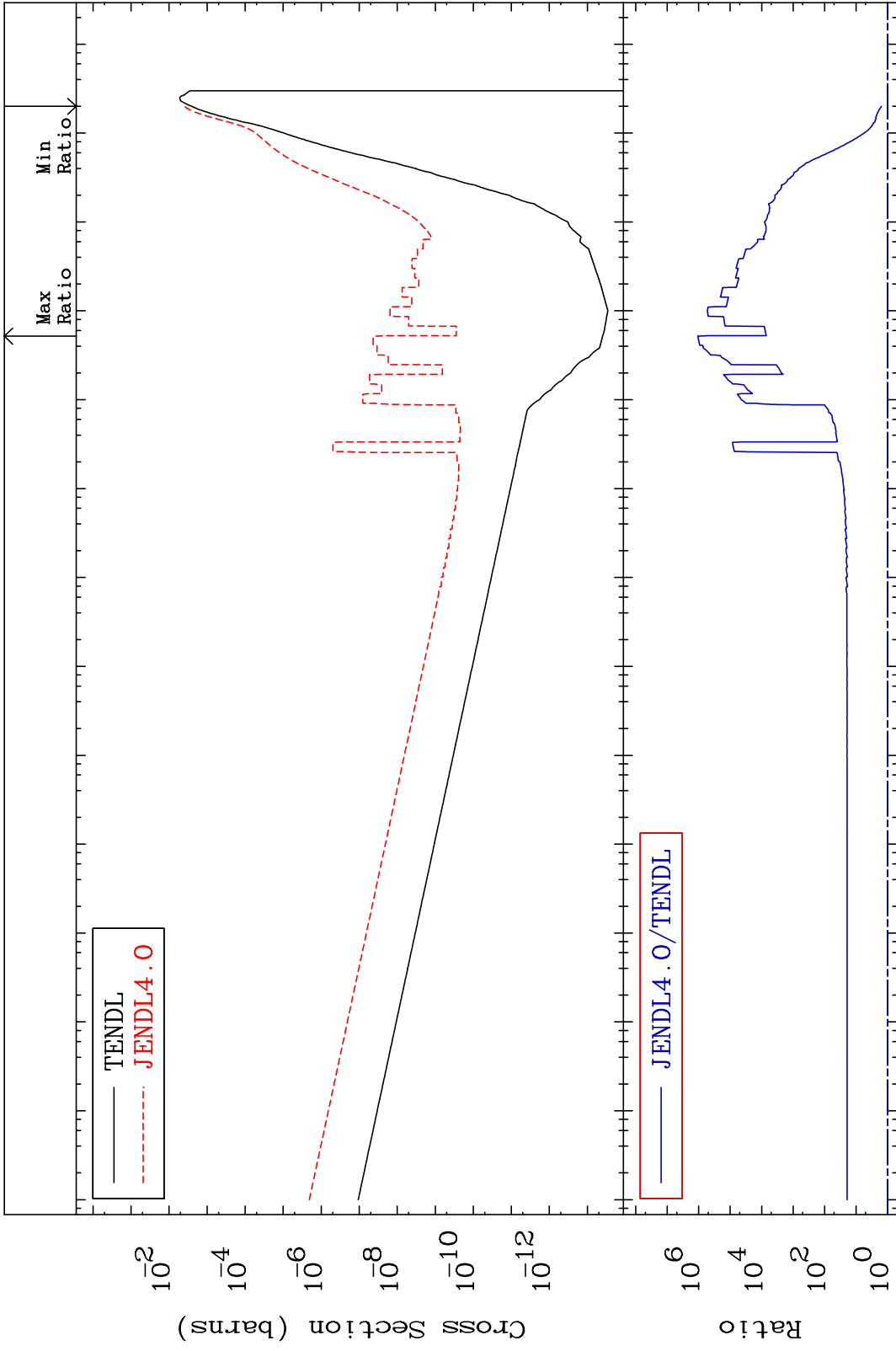
MAT 8234

(n, α)

82-Pb-207

Cross Section

54.51 To 9999. %



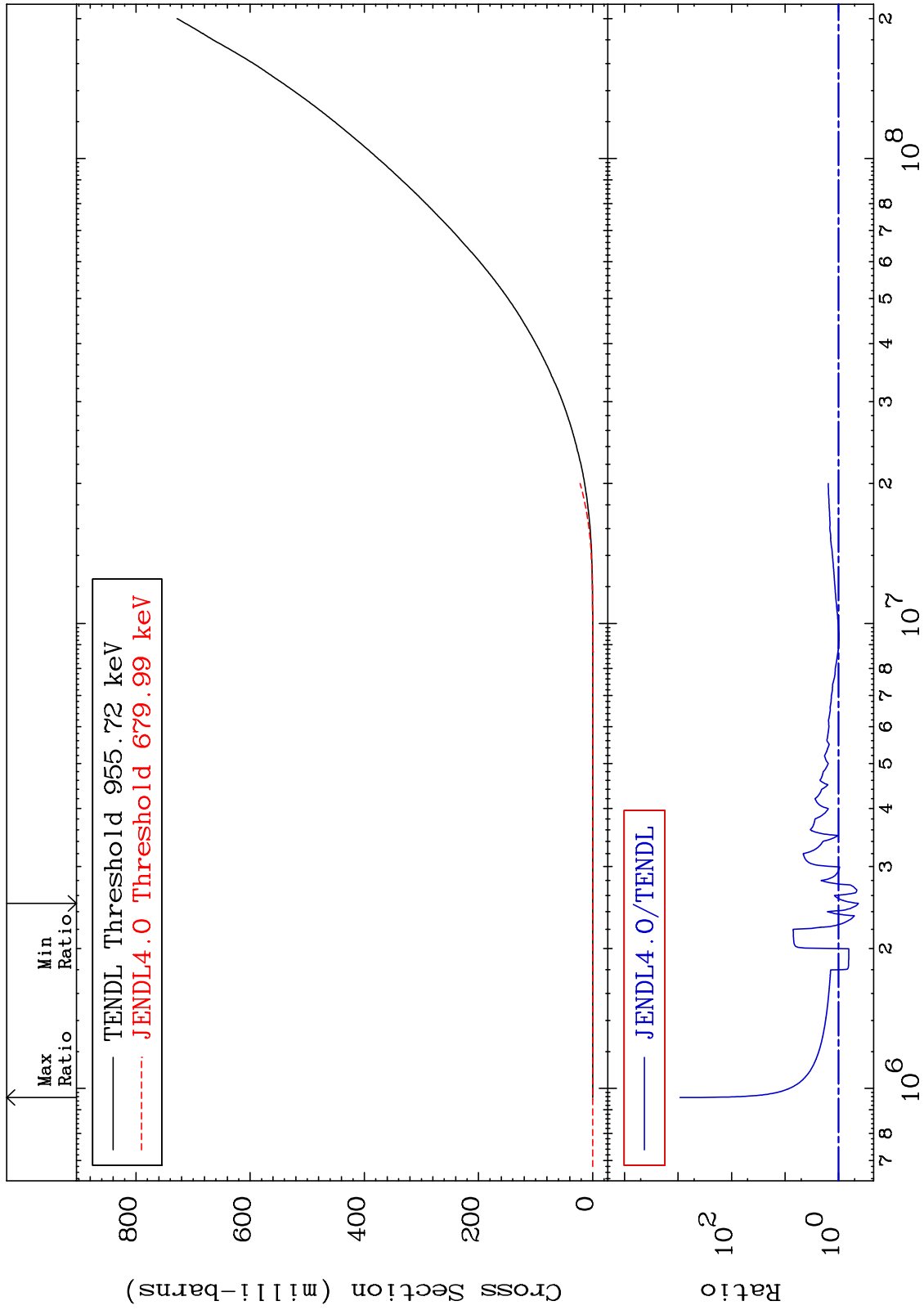
Incident Energy (eV)

82-Pb-207

MAT 8234

Hydrogen Production
Cross Section

82-Pb-207
-57.50 To 9999. %



20

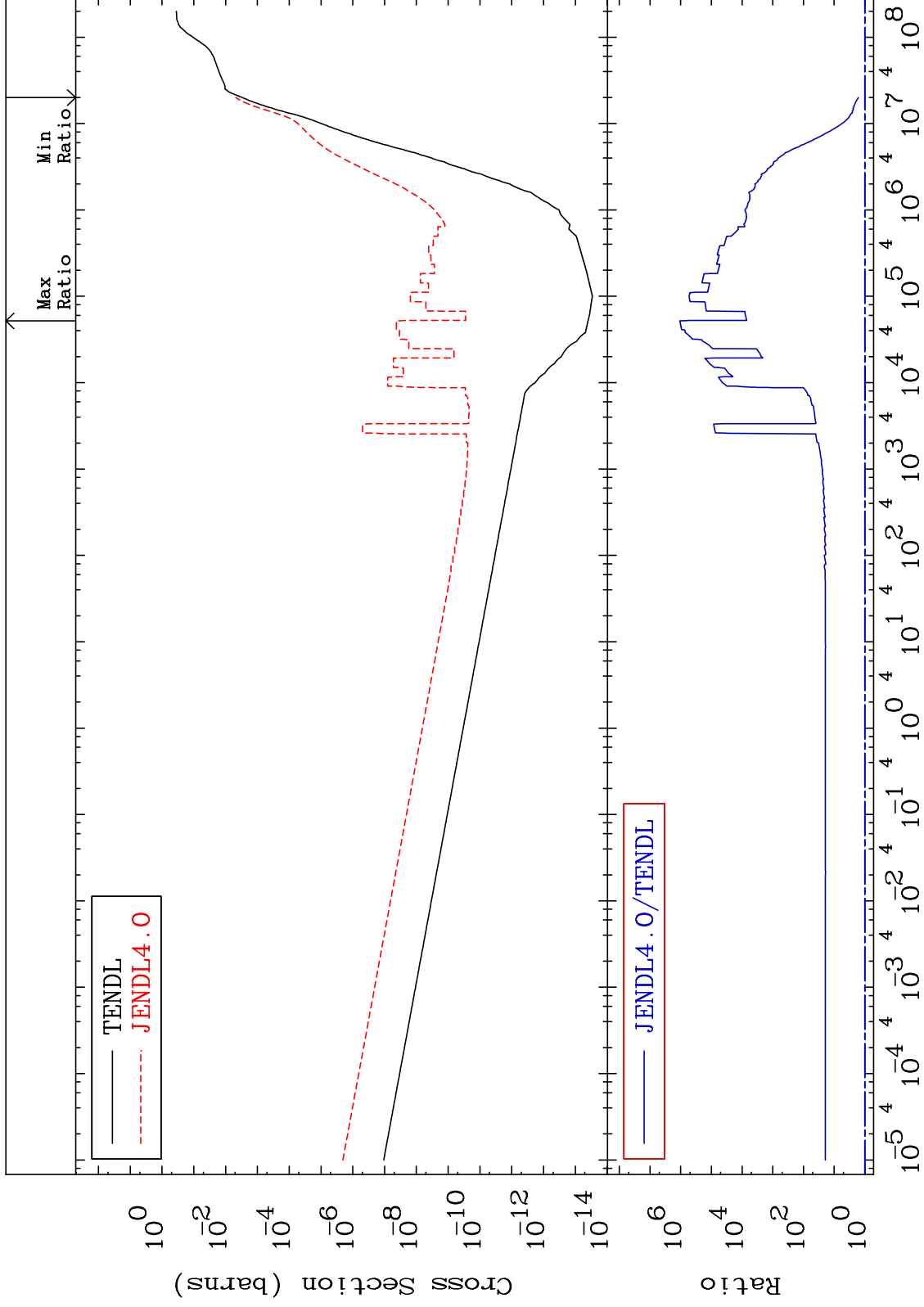
Incident Energy (eV)

82-Pb-207

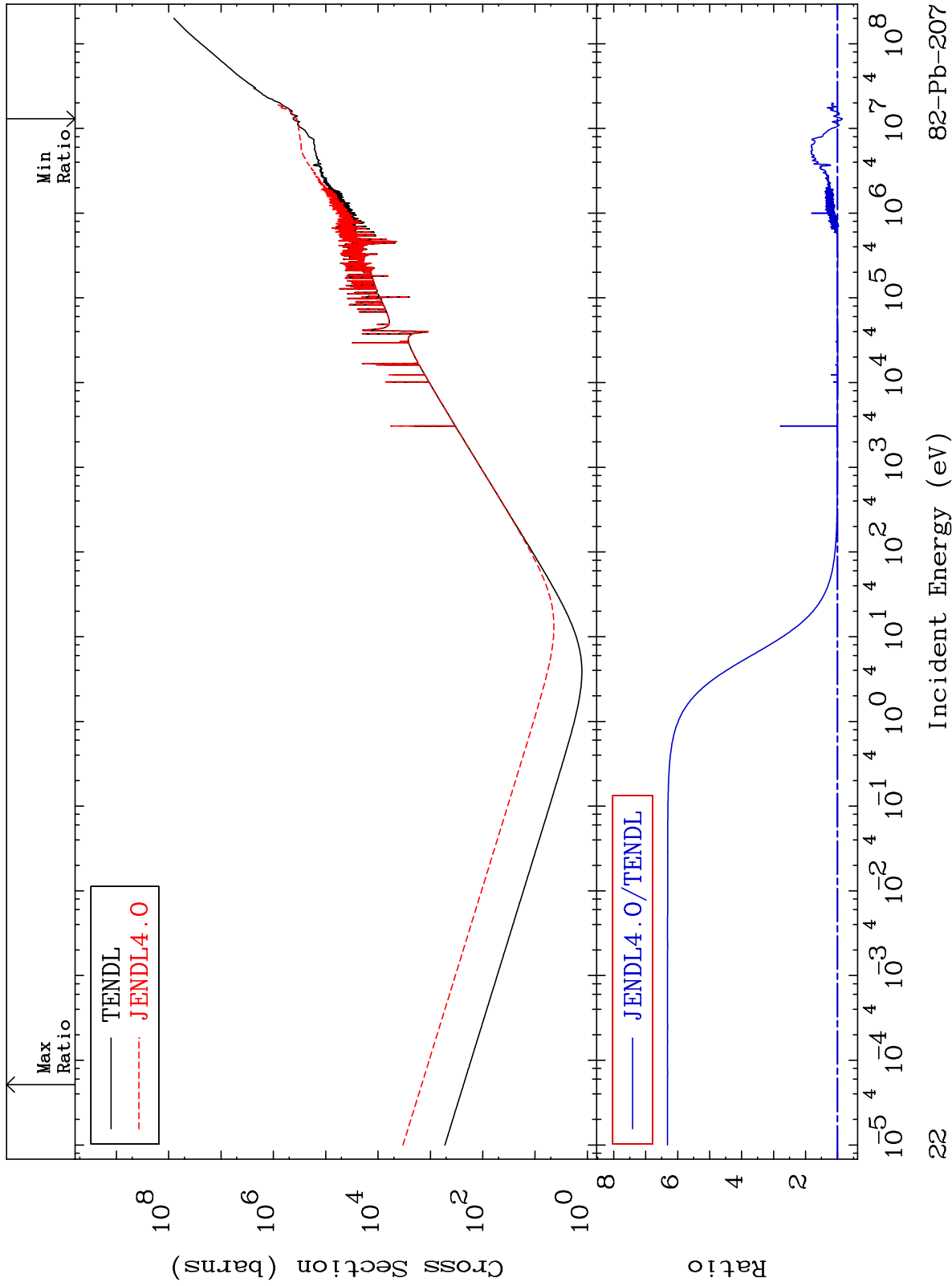
MAT 8234

He-4 Production
Cross Section

82-Pb-207
62.86 To 9999. %



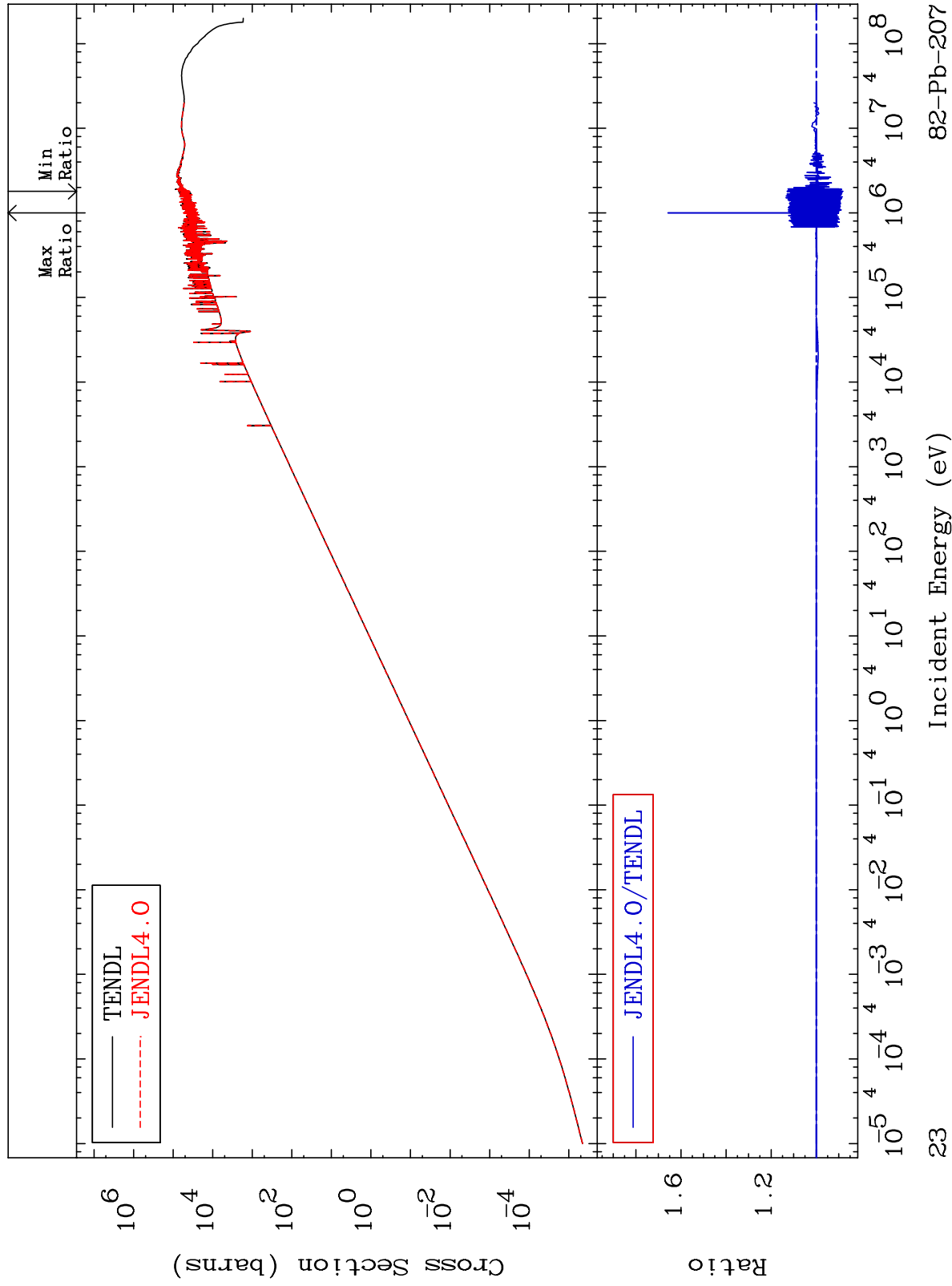
MAT 8234 Kerma total (eV-barns)
Cross Section 82-Pb-207
-16.16 To 531.7 %



MAT 8234

Kerma elastic
Cross Section

82-Pb-207
-11.79 To 65.74 %



82-Pb-207

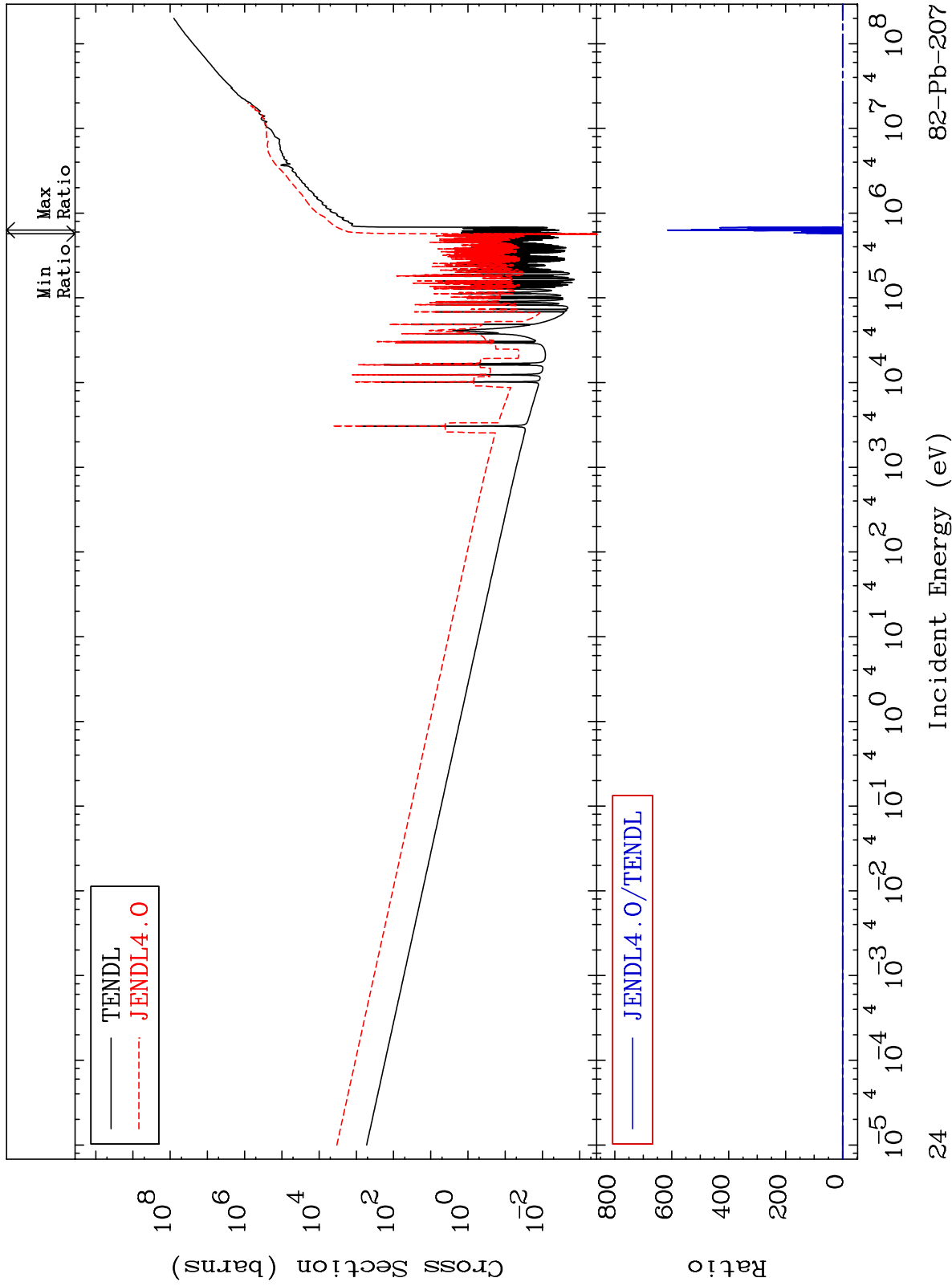
Incident Energy (eV)

23

MAT 8234

Kerma non-elastic (all but mt2)
Cross Section

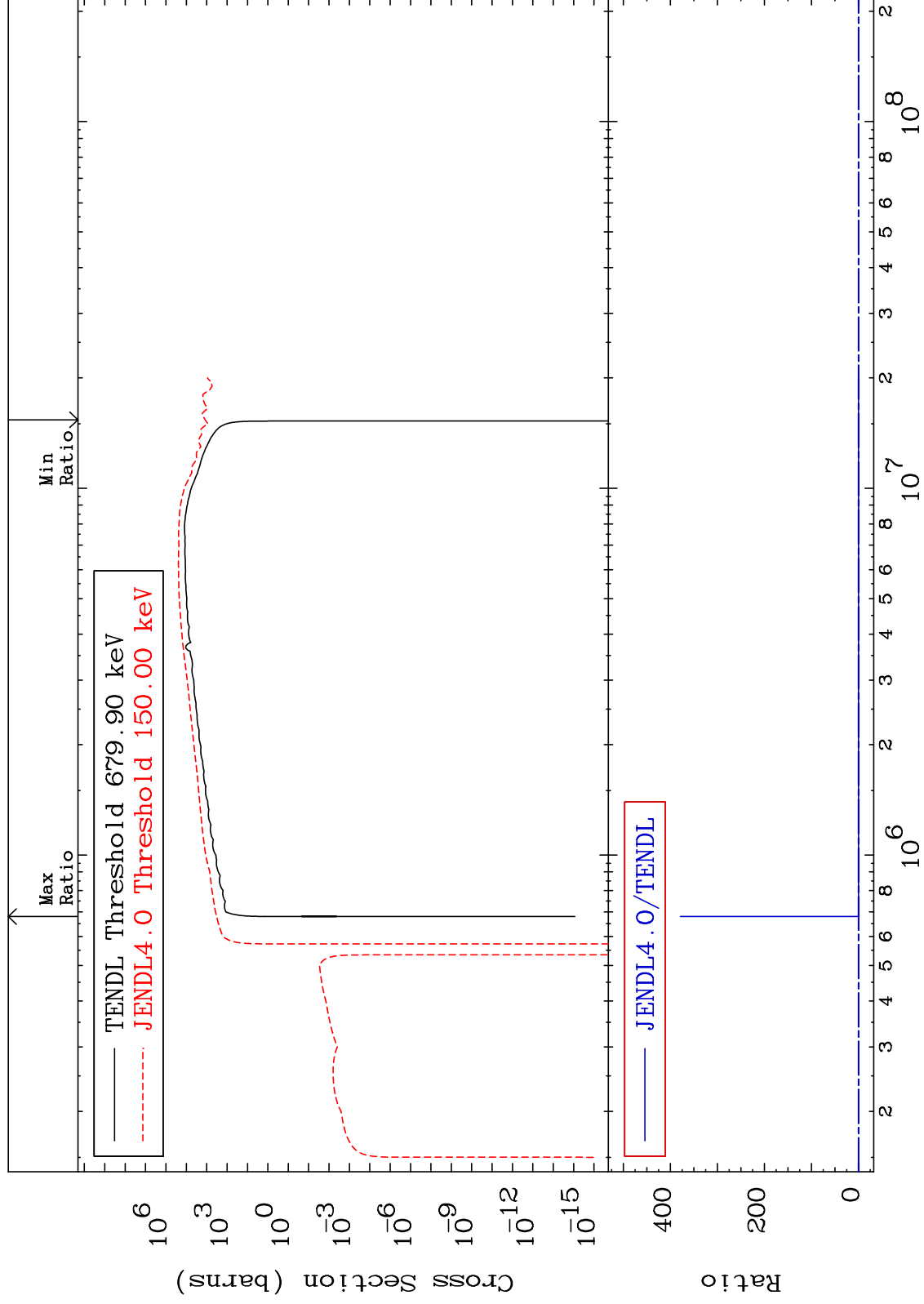
82-Pb-207
-1151. To 9999. %



MAT 8234

Kerma inelastic (mt51-91)
Cross Section

82-Pb-207
-2610. To 9999. %



25

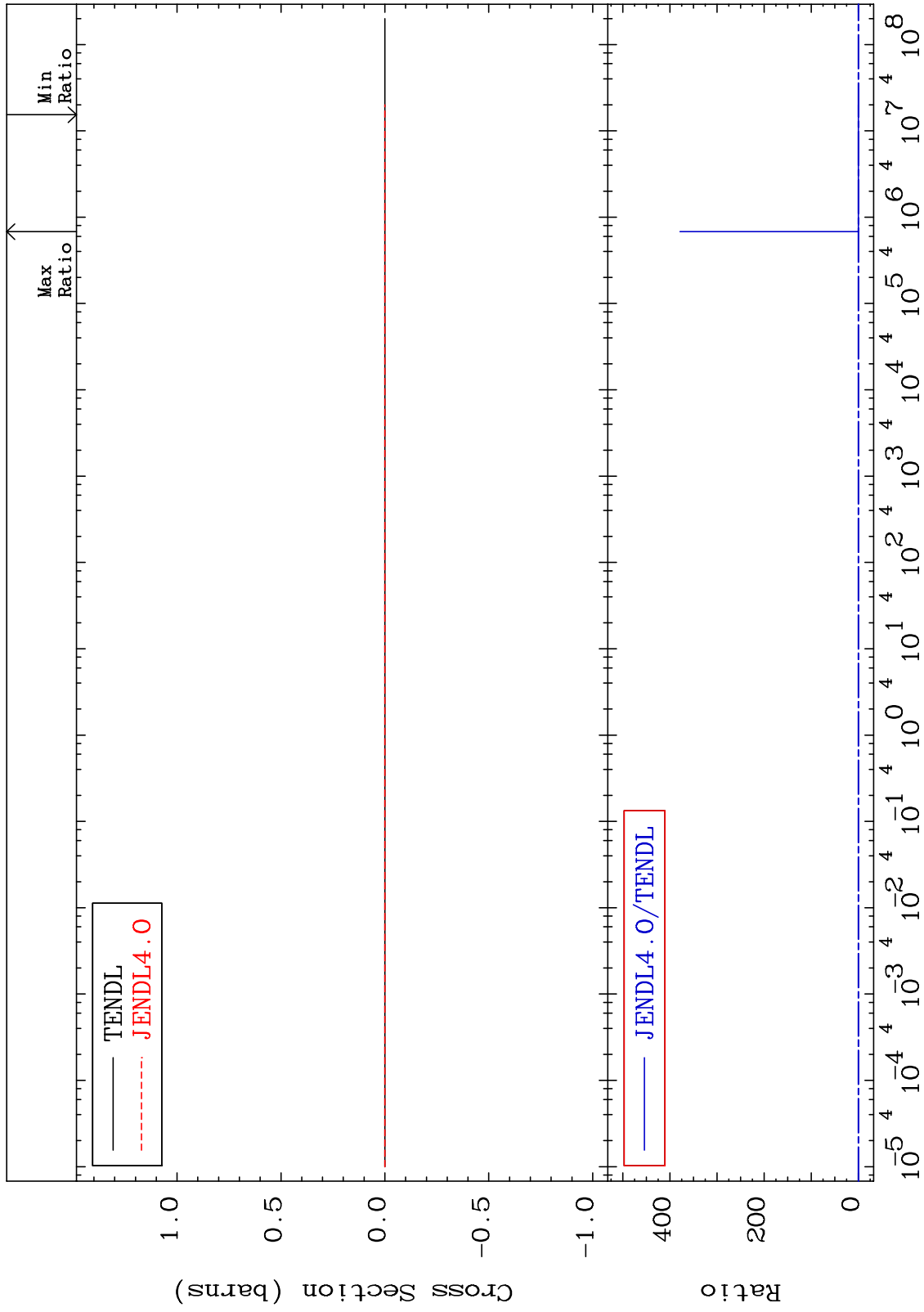
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

82-Pb-207
-2610. To 9999. %



26

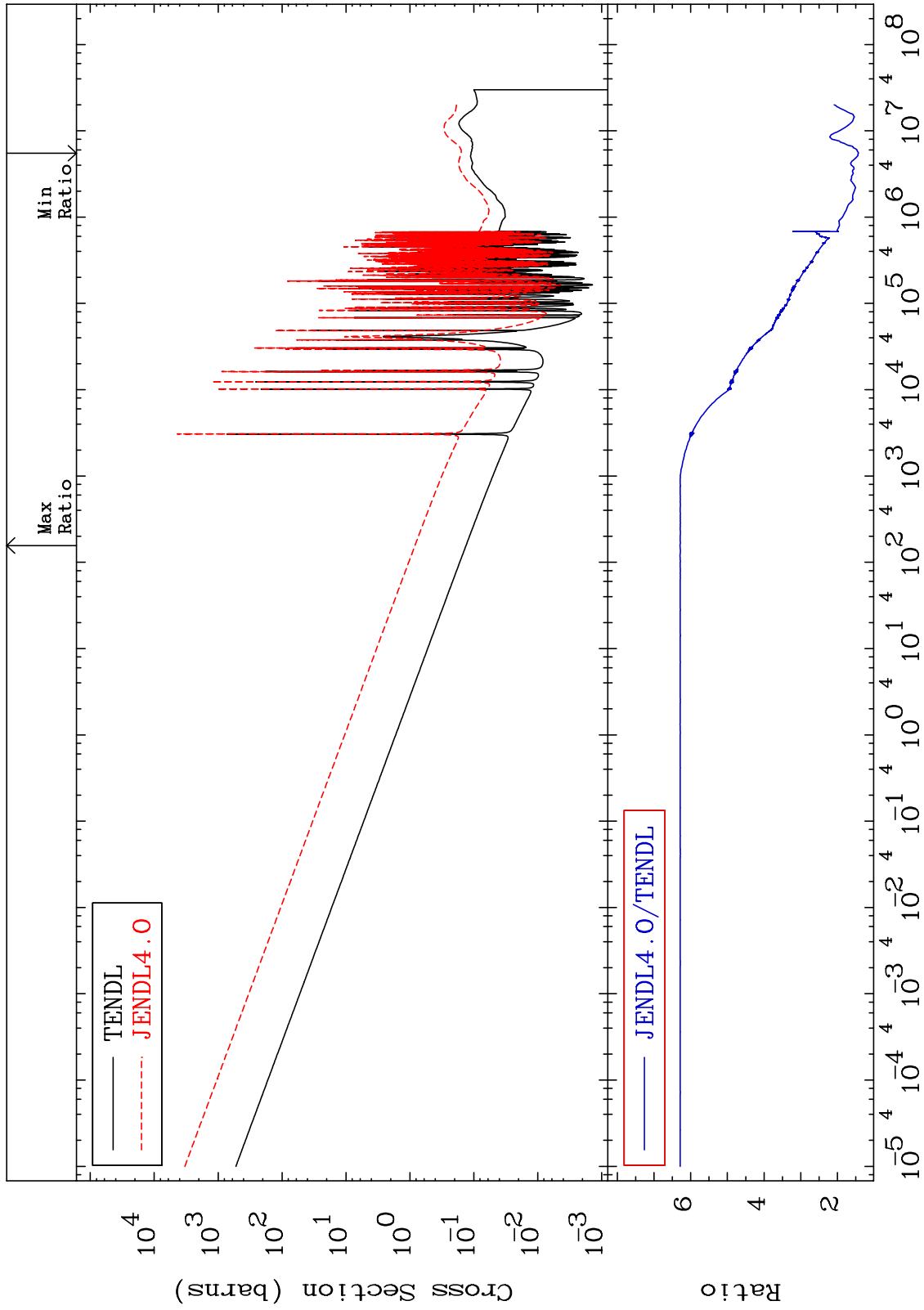
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma capture (mt102)
Cross Section

82-Pb-207
42.65 To 529.2 %



27

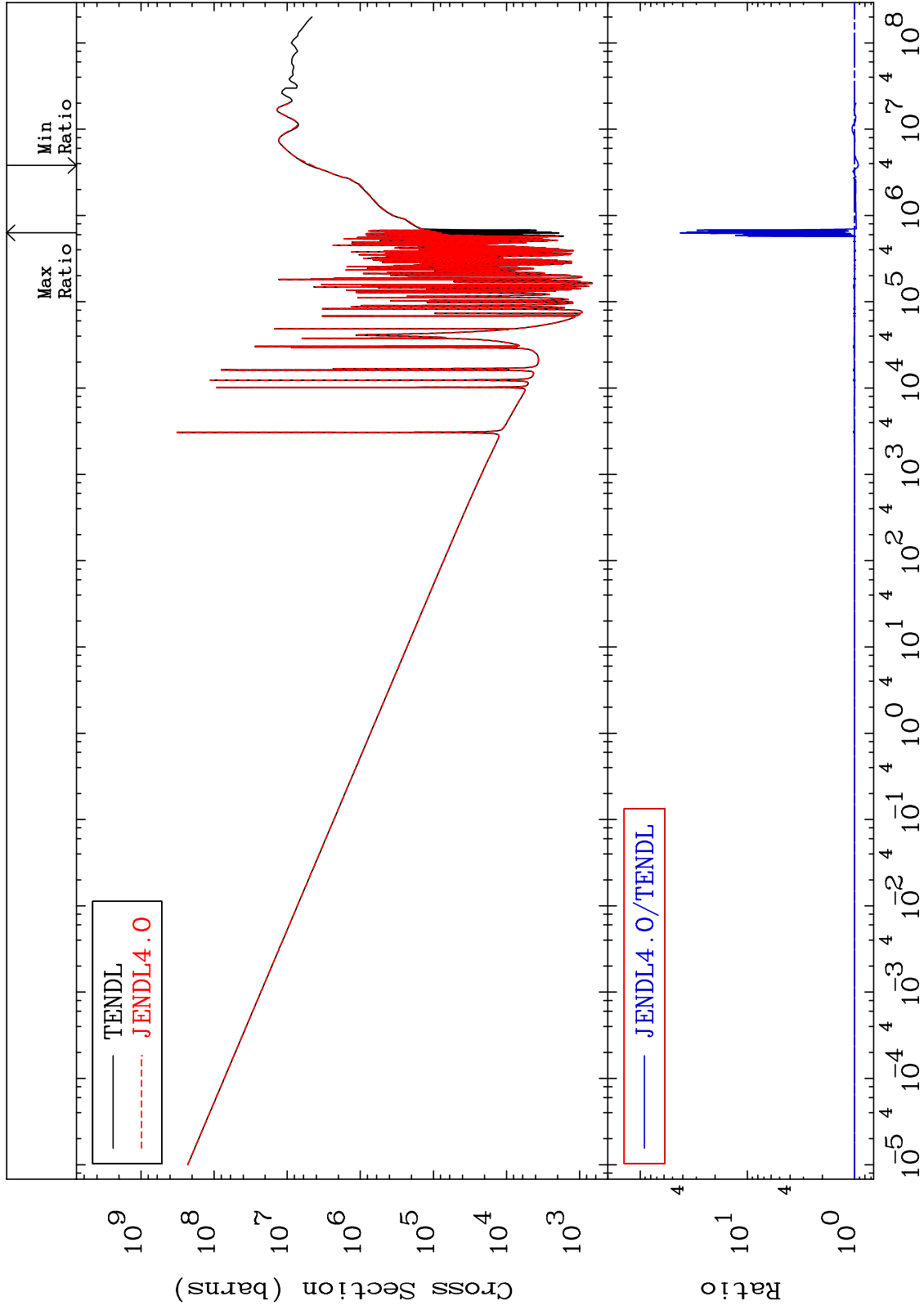
Incident Energy (eV)

82-Pb-207

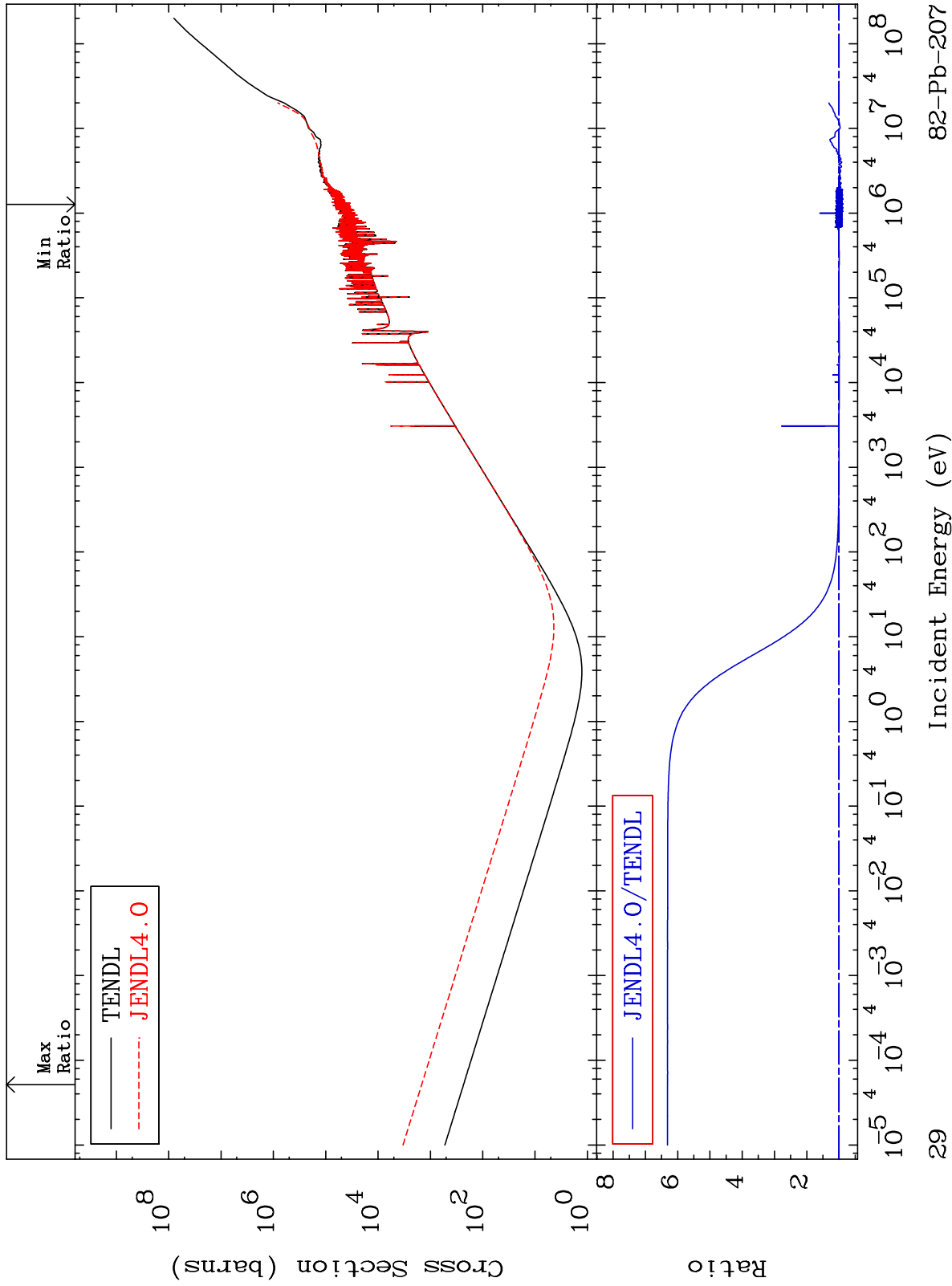
MAT 8234

Total photon (eV-barns)
Cross Section

82-Pb-207
-8.011 To 4153. %



MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
 Cross Section -11.27 To 531.4 %

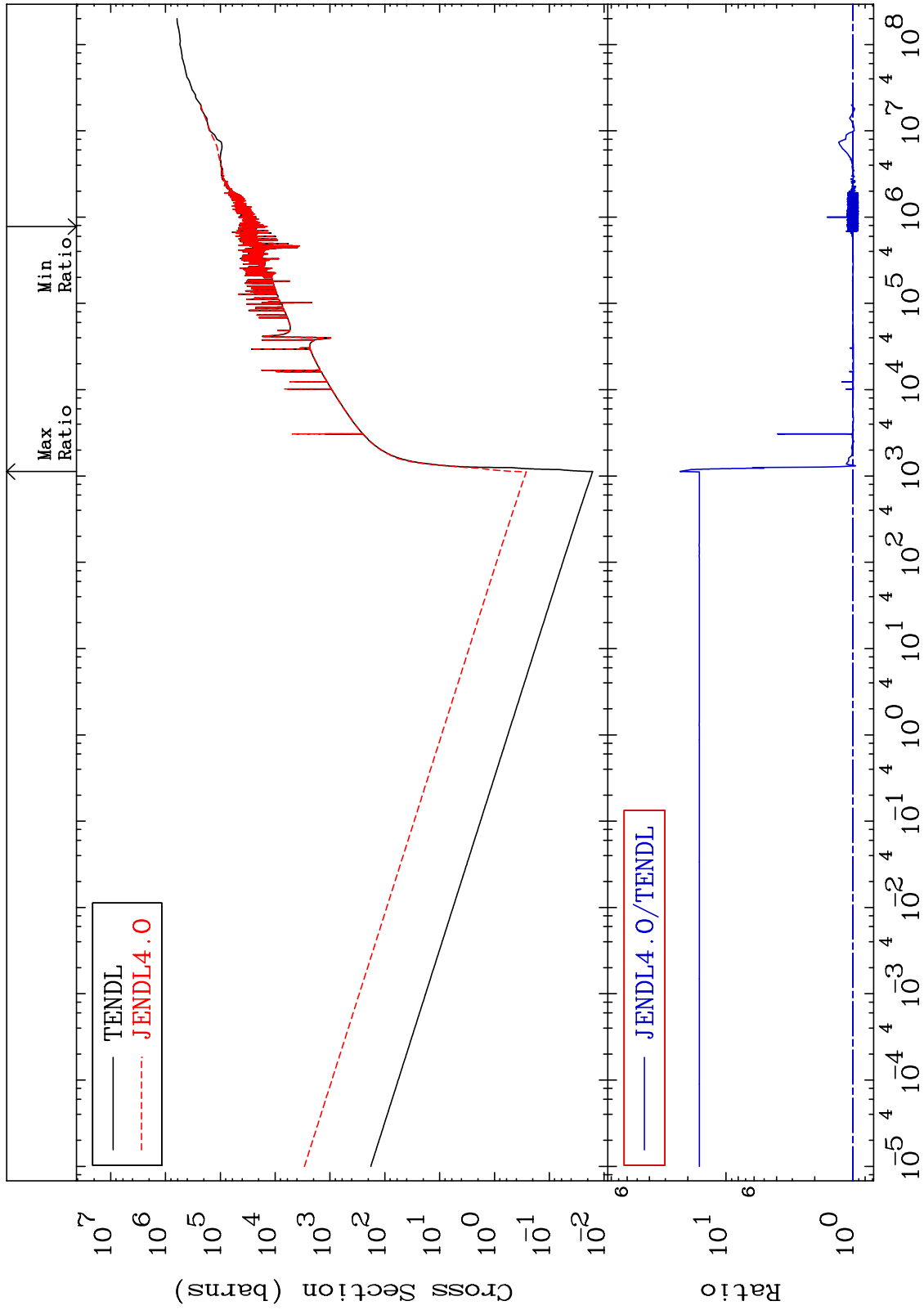


82-Pb-207

MAT 8234

Dpa total (eV-barns)
Cross Section

82-Pb-207
-9.469 To 2199. %



30

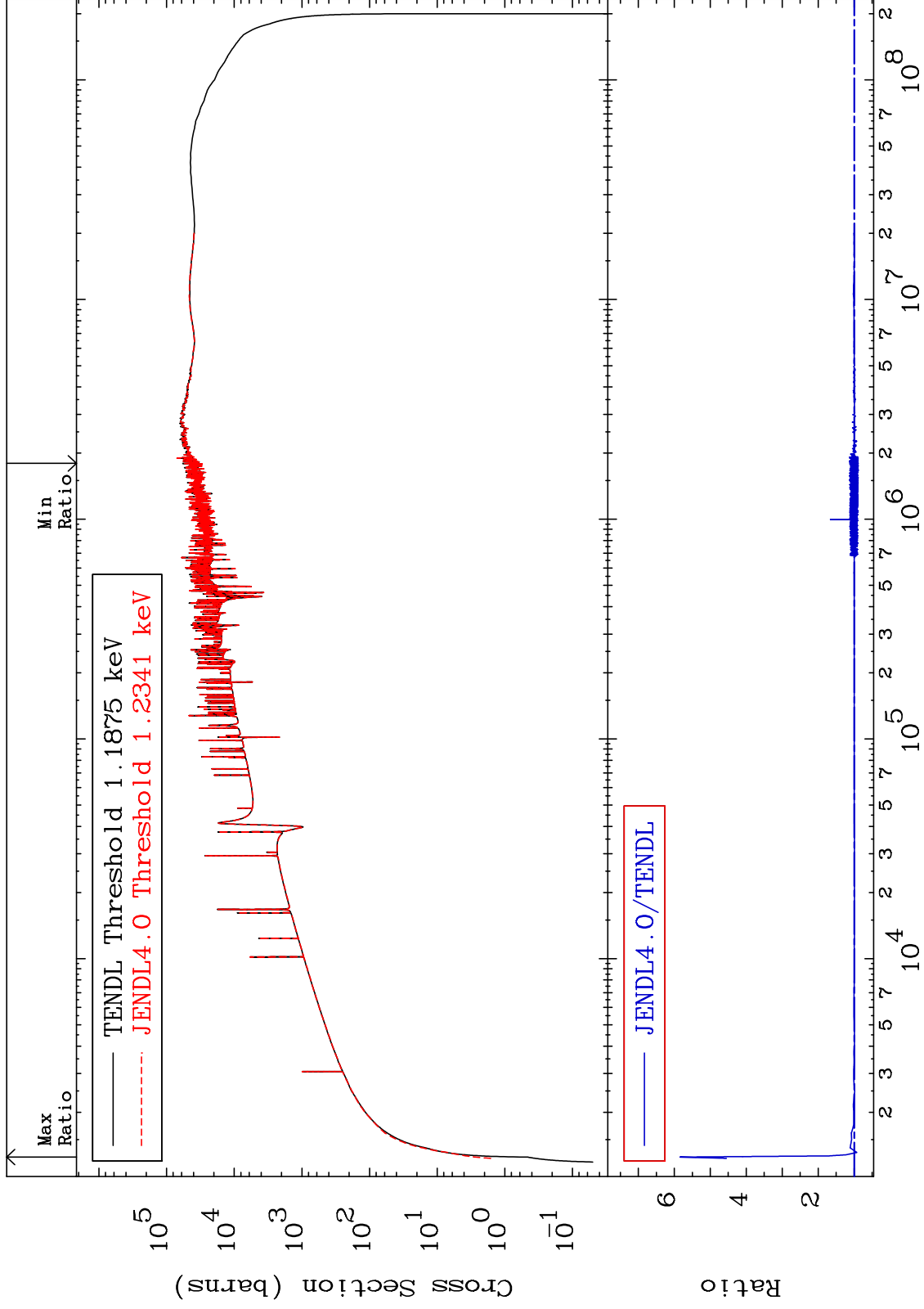
Incident Energy (eV)

82-Pb-207

MAT 8234

Dpa elastic (mt2)
Cross Section

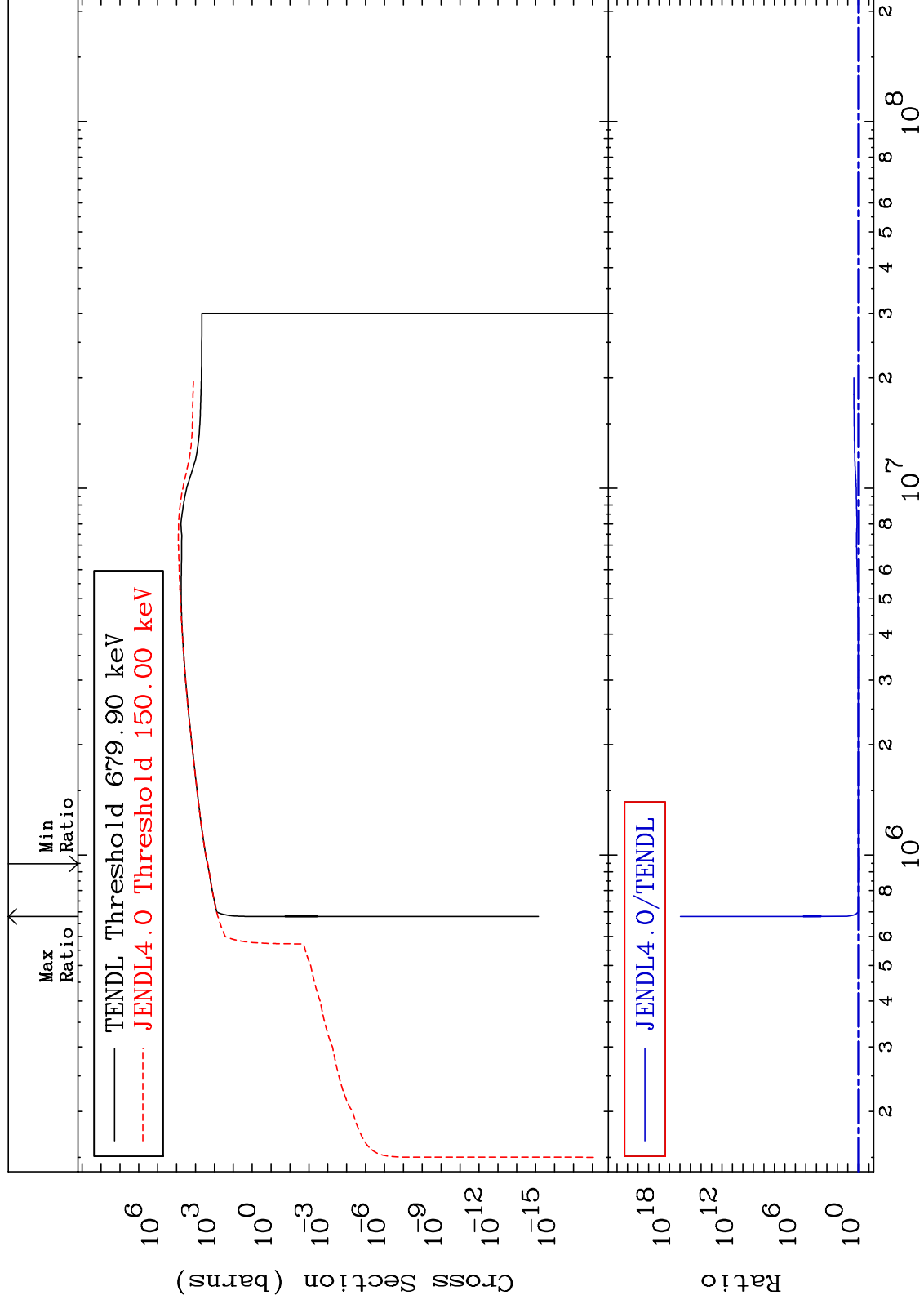
82-Pb-207
-11.78 To 484.1 %



MAT 8234

Dpa inelastic (mt51-91)
Cross Section

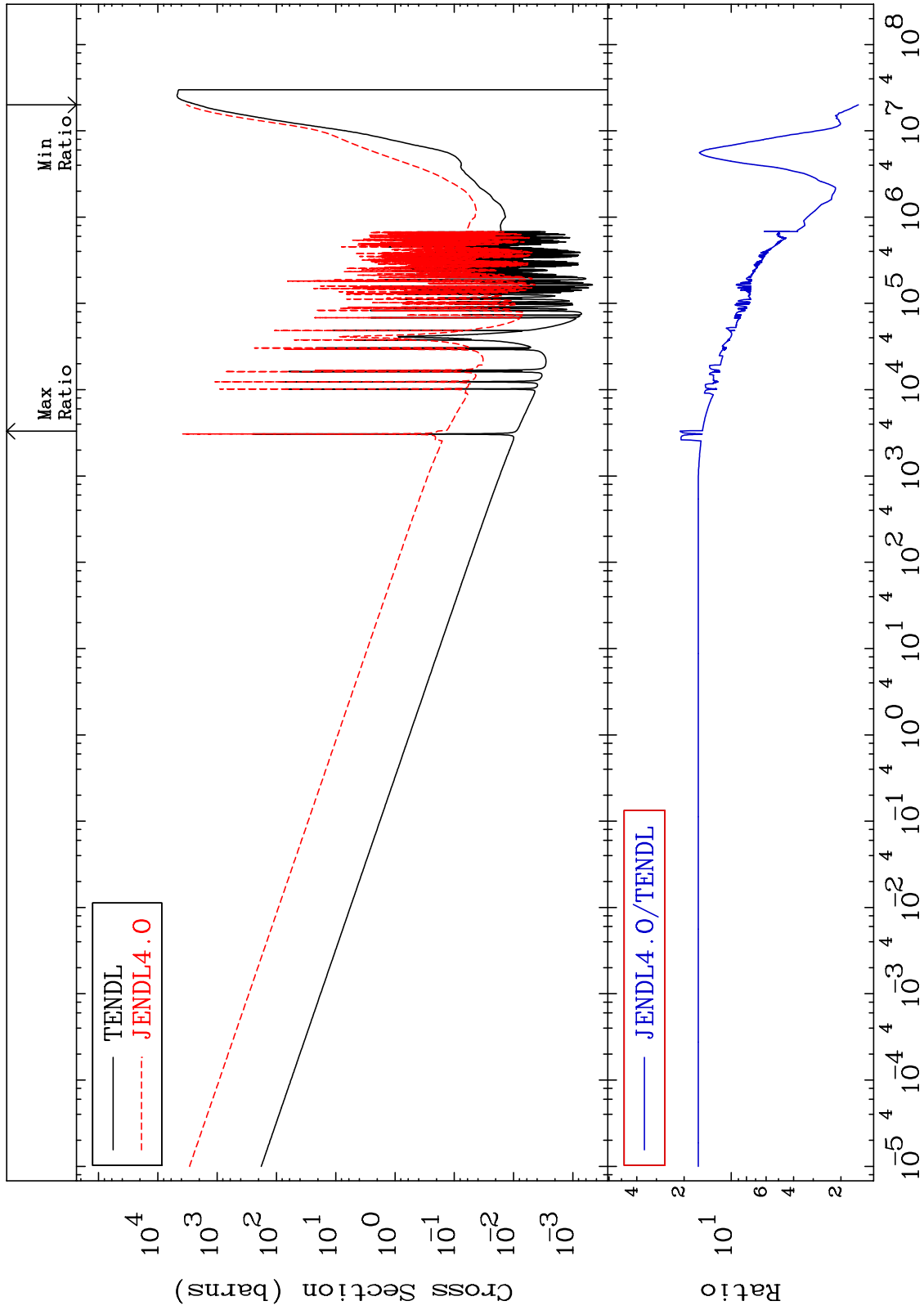
82-Pb-207
-3.974 To 9999. %



MAT 8234

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-207
54.71 To 2020. %

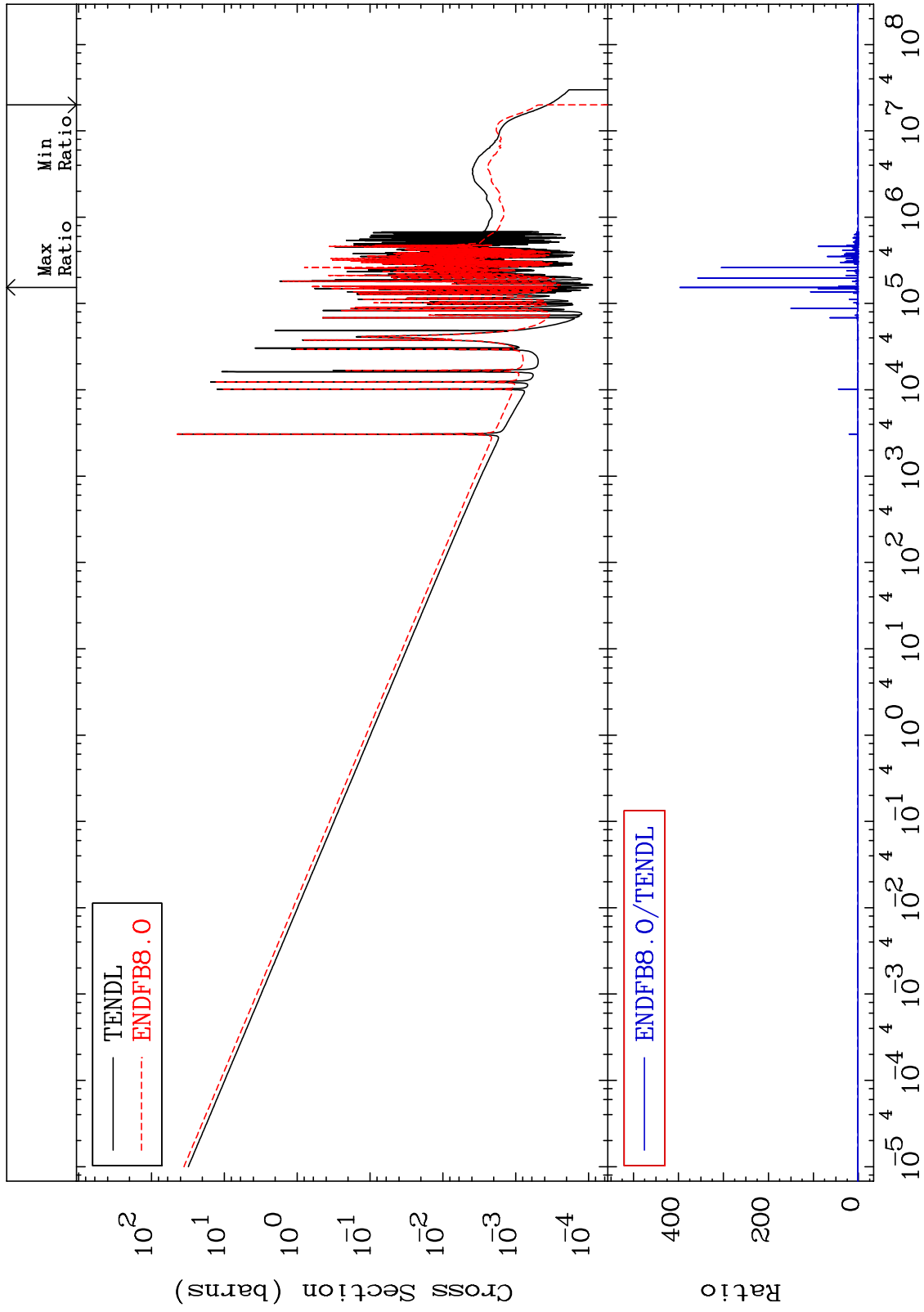


MAT 8234

(n, γ)
Cross Section

82-Pb-207

-100.0 To 9999. %



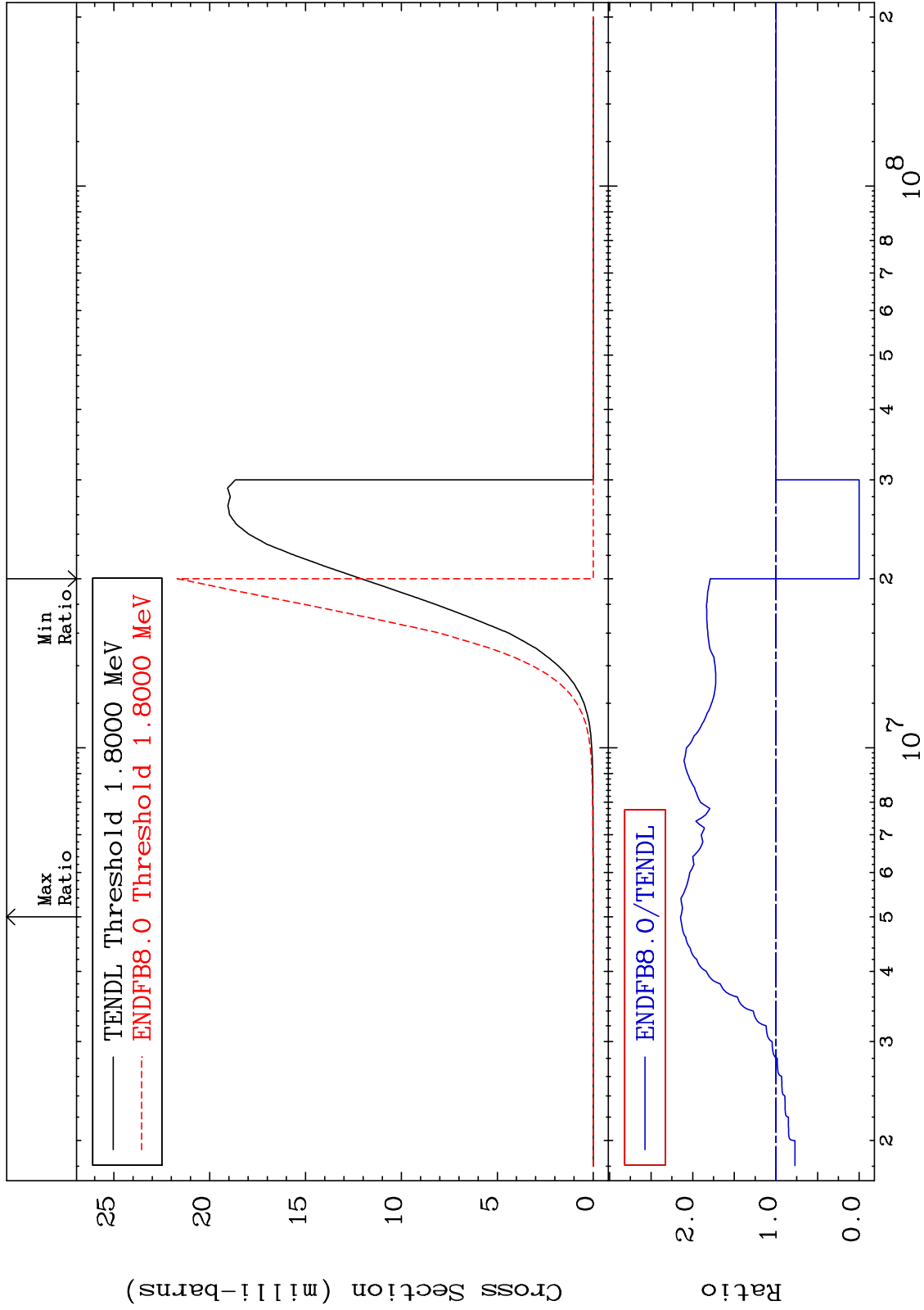
MAT 8234

(n,p)

82-Pb-207

Cross Section

-100.0 To 114.5 %



35

Incident Energy (eV)

82-Pb-207

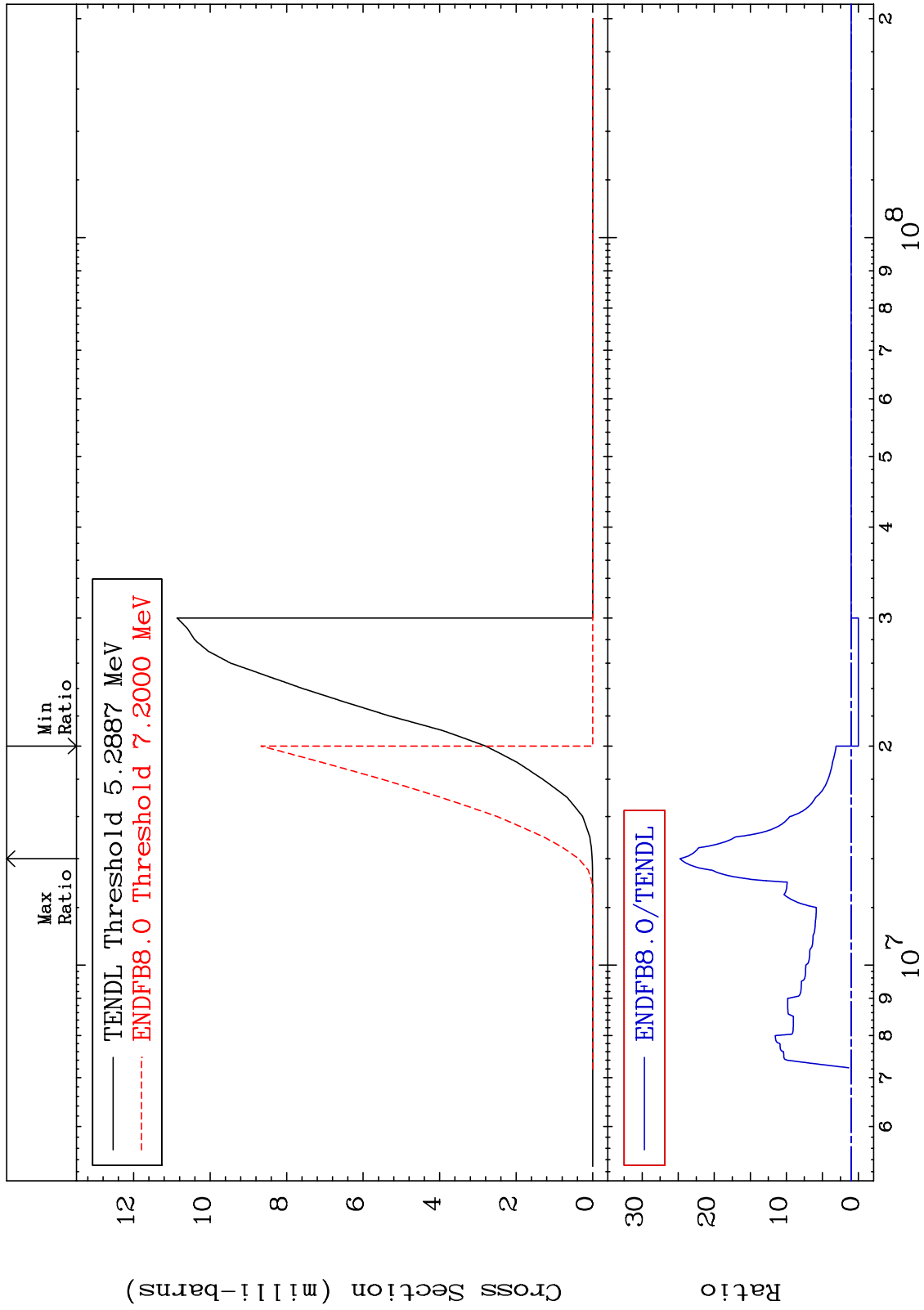
MAT 8234

(n, d)

82-Pb-207

Cross Section

-100.0 To 2375. %



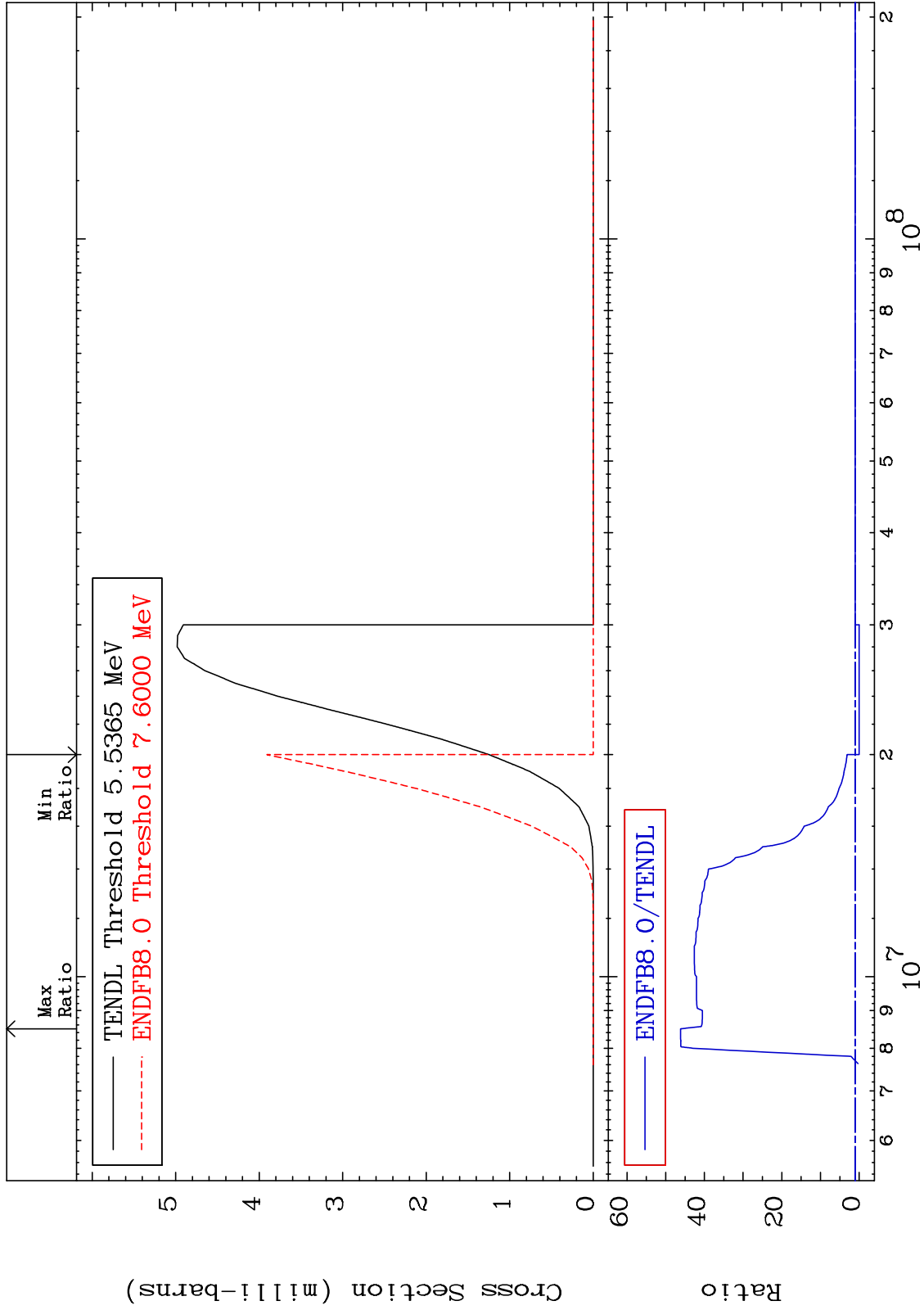
MAT 8234

(n, t)

82-Pb-207

Cross Section

-100.0 To 4514. %



37

Incident Energy (eV)

82-Pb-207

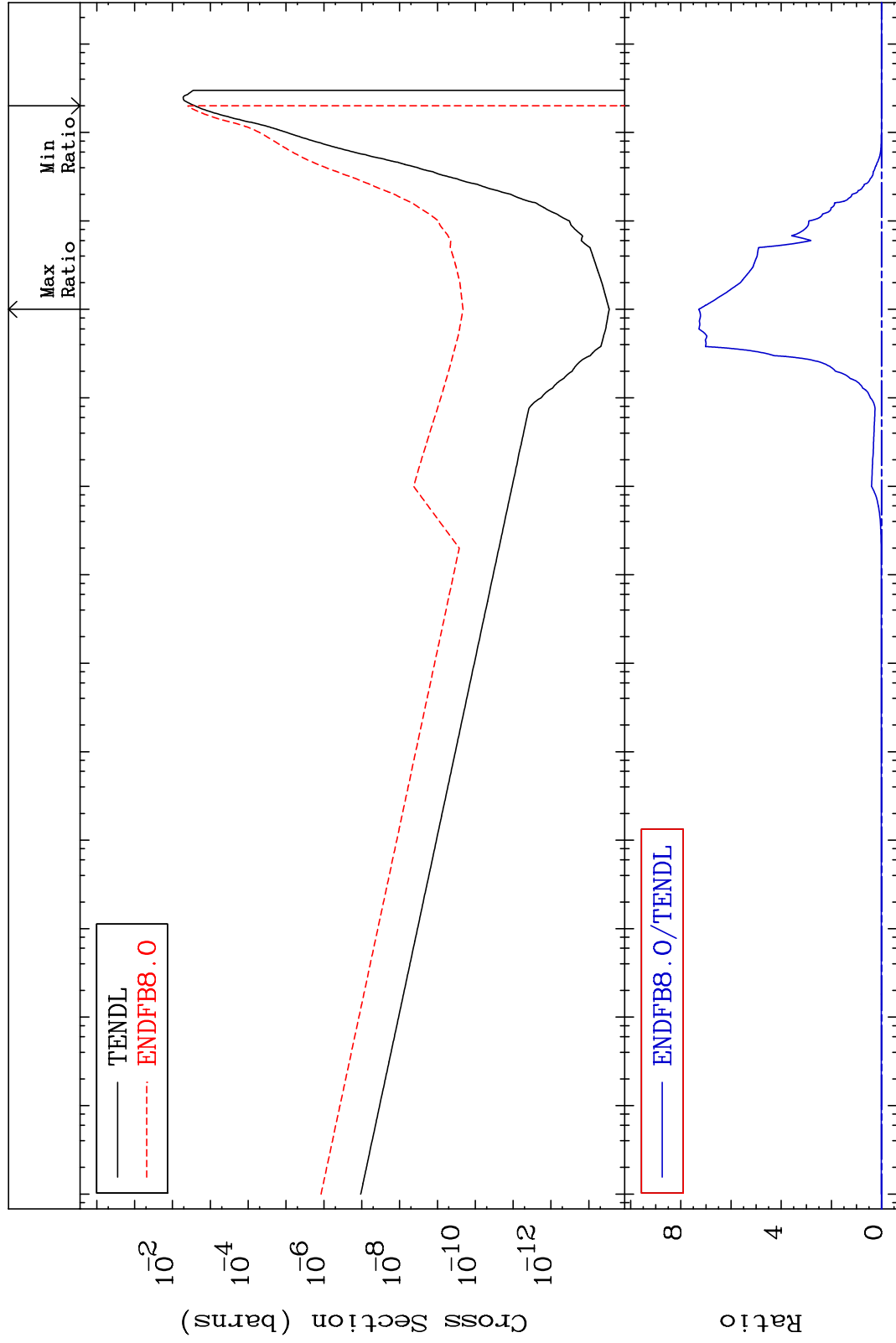
MAT 8234

(n, α)

82-Pb-207

Cross Section

-100.0 To 9999. %



38

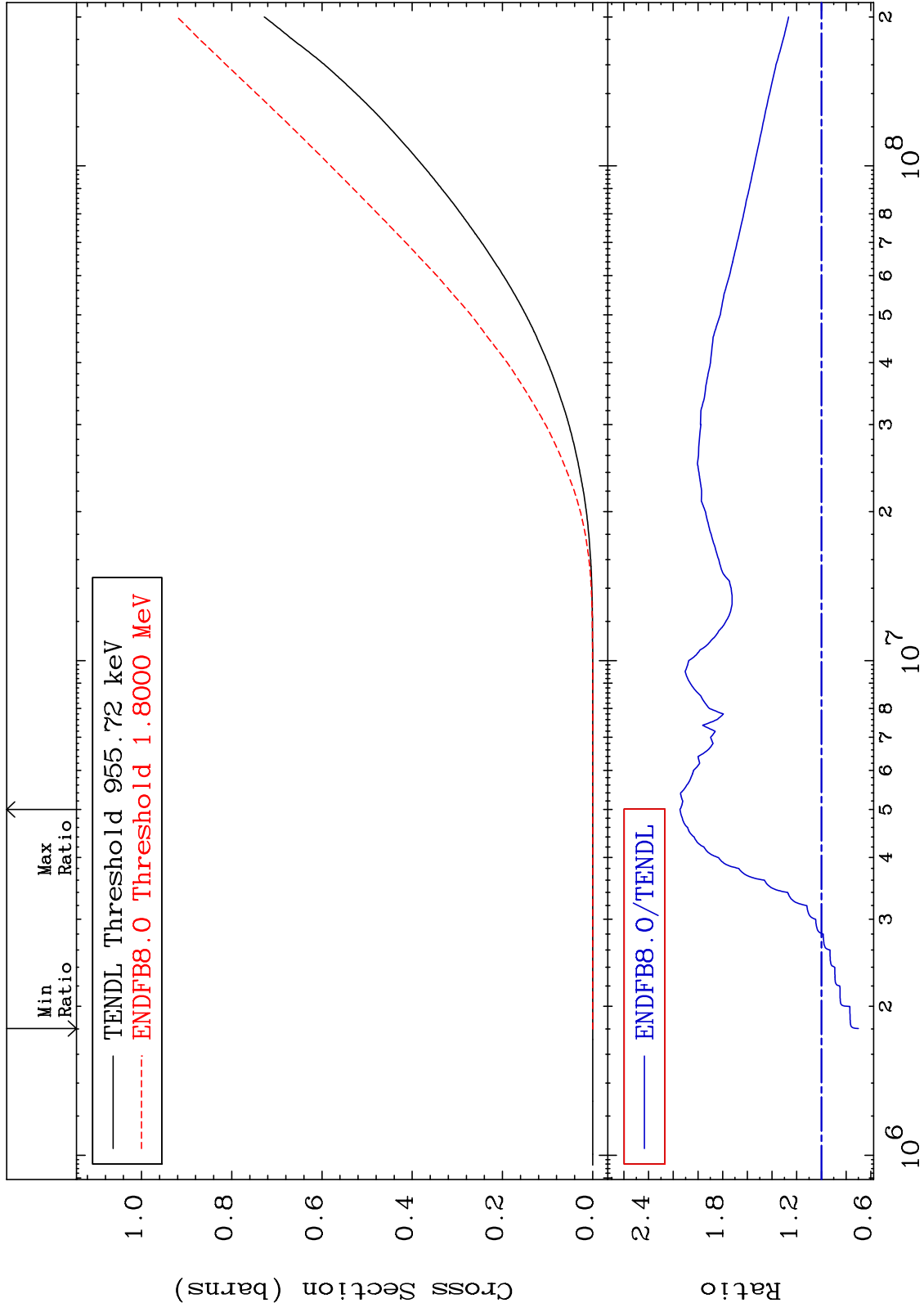
Incident Energy (eV)

82-Pb-207

MAT 8234

Hydrogen Production
Cross Section

82-Pb-207
-29.98 To 114.5 %



39

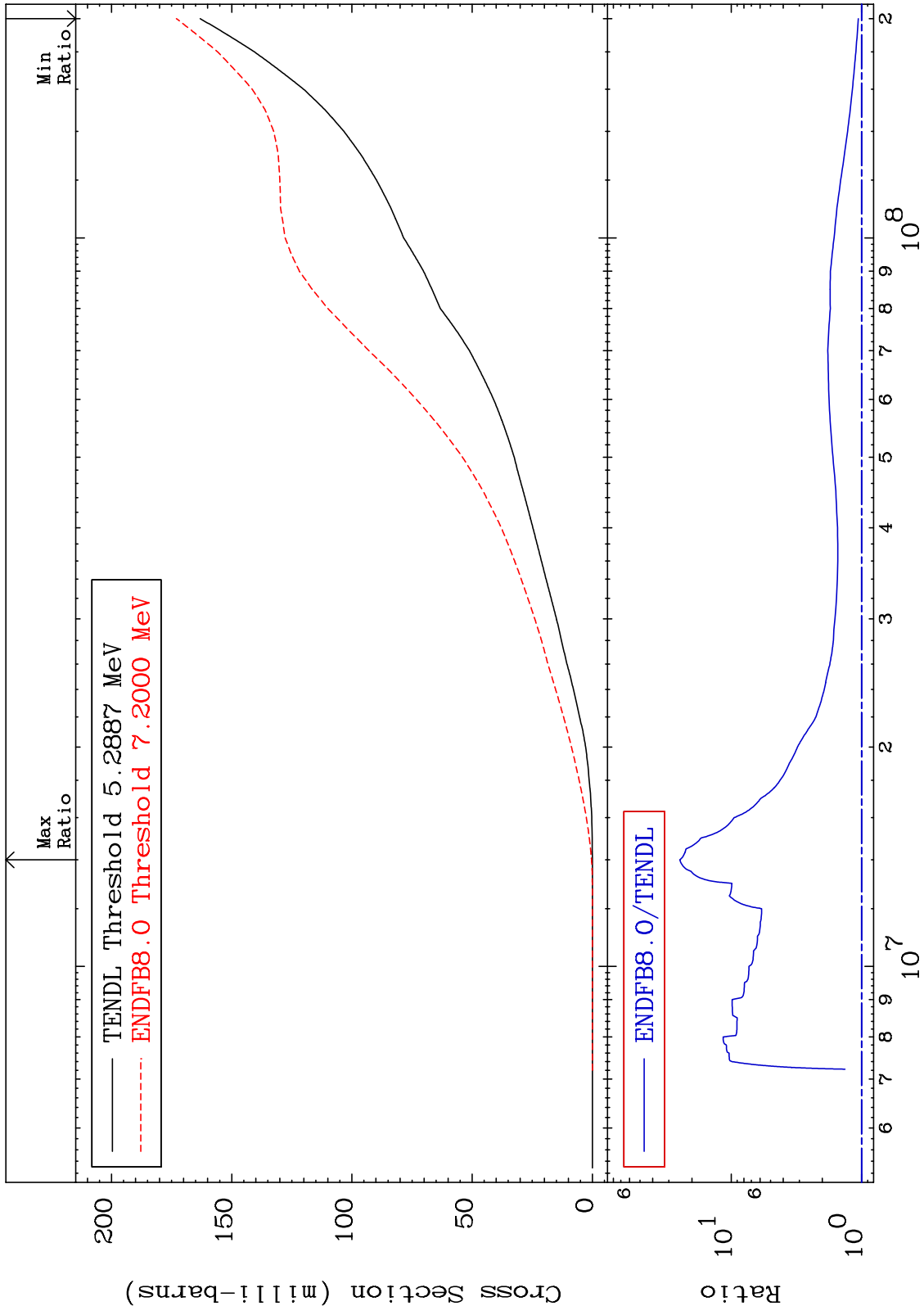
Incident Energy (eV)

82-Pb-207

MAT 8234

Deuterium Production
Cross Section

82-Pb-207
6.048 To 2375. %



40

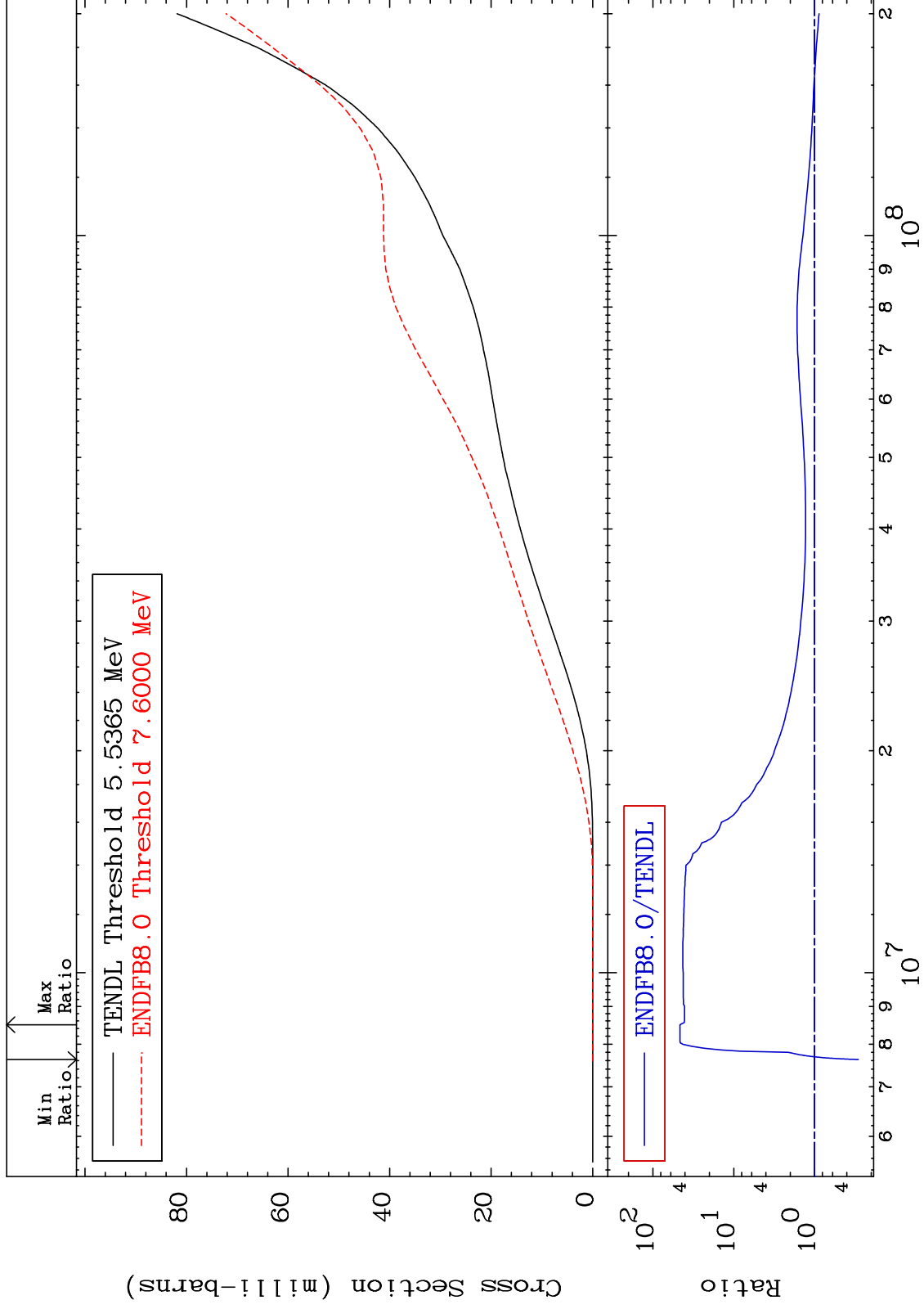
Incident Energy (eV)

82-Pb-207

MAT 8234

Tritium Production
Cross Section

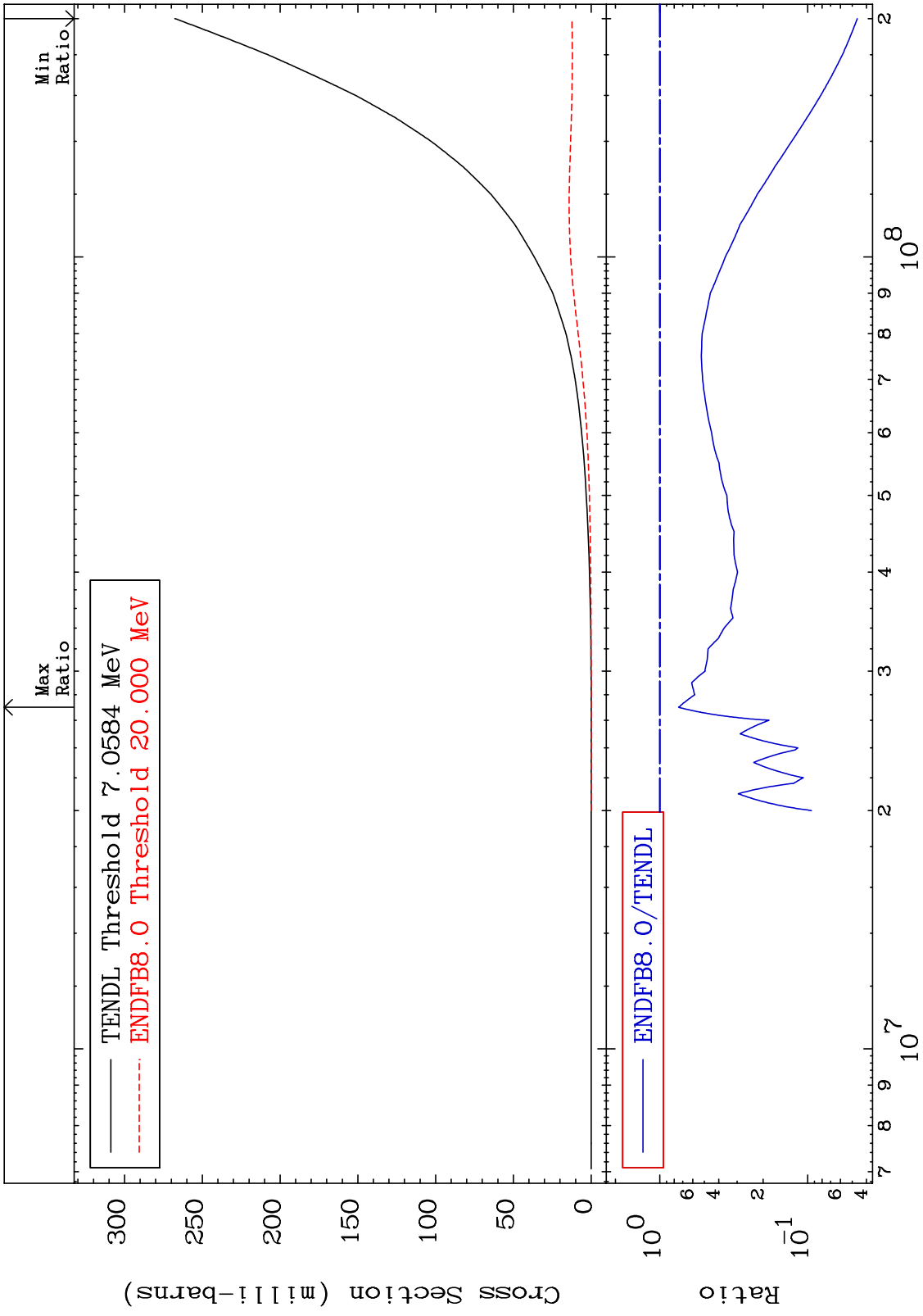
82-Pb-207
-71.26 To 4514. %



MAT 8234

He-3 Production
Cross Section

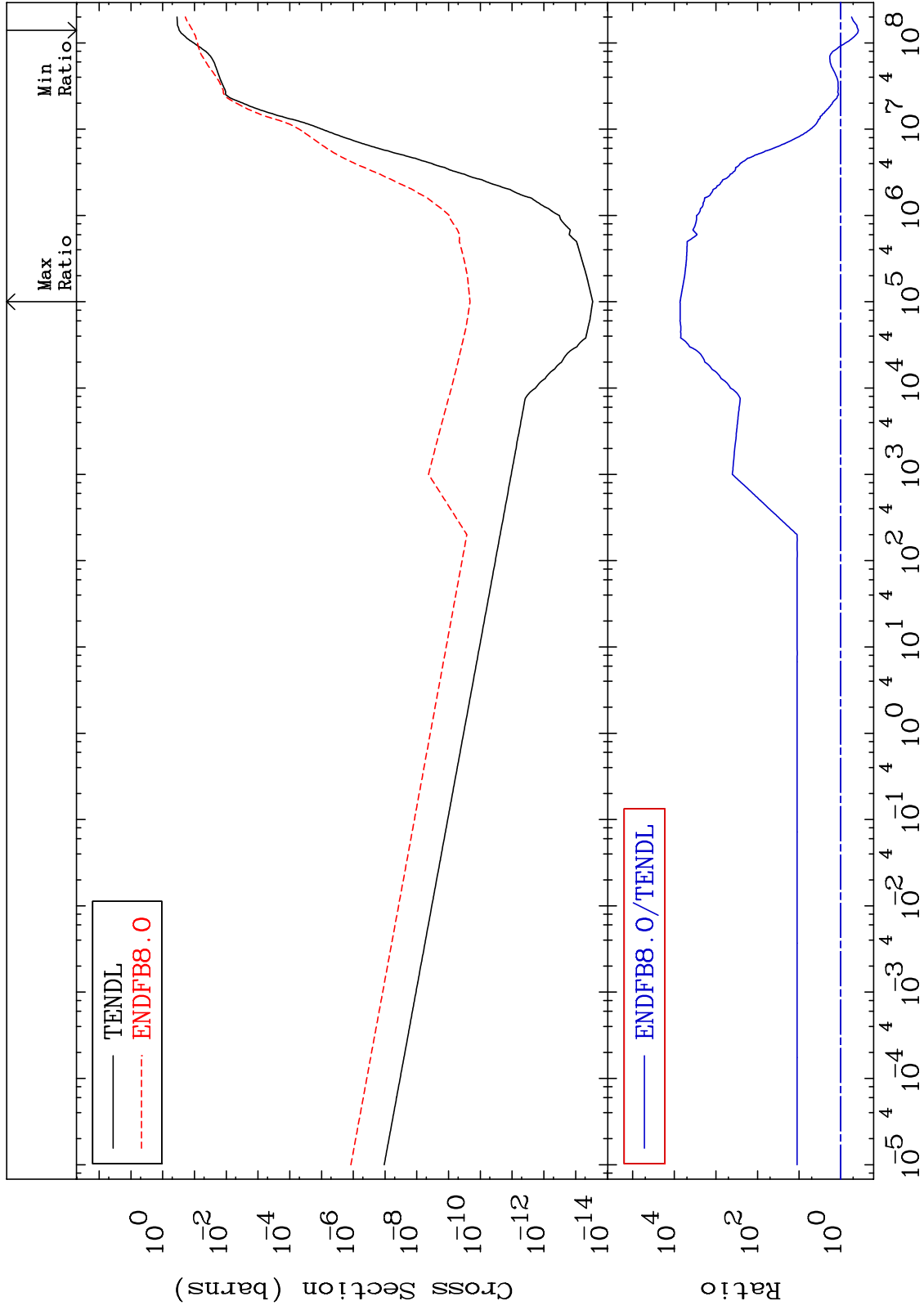
82-Pb-207
-95.39 To -25.35%



MAT 8234

He-4 Production
Cross Section

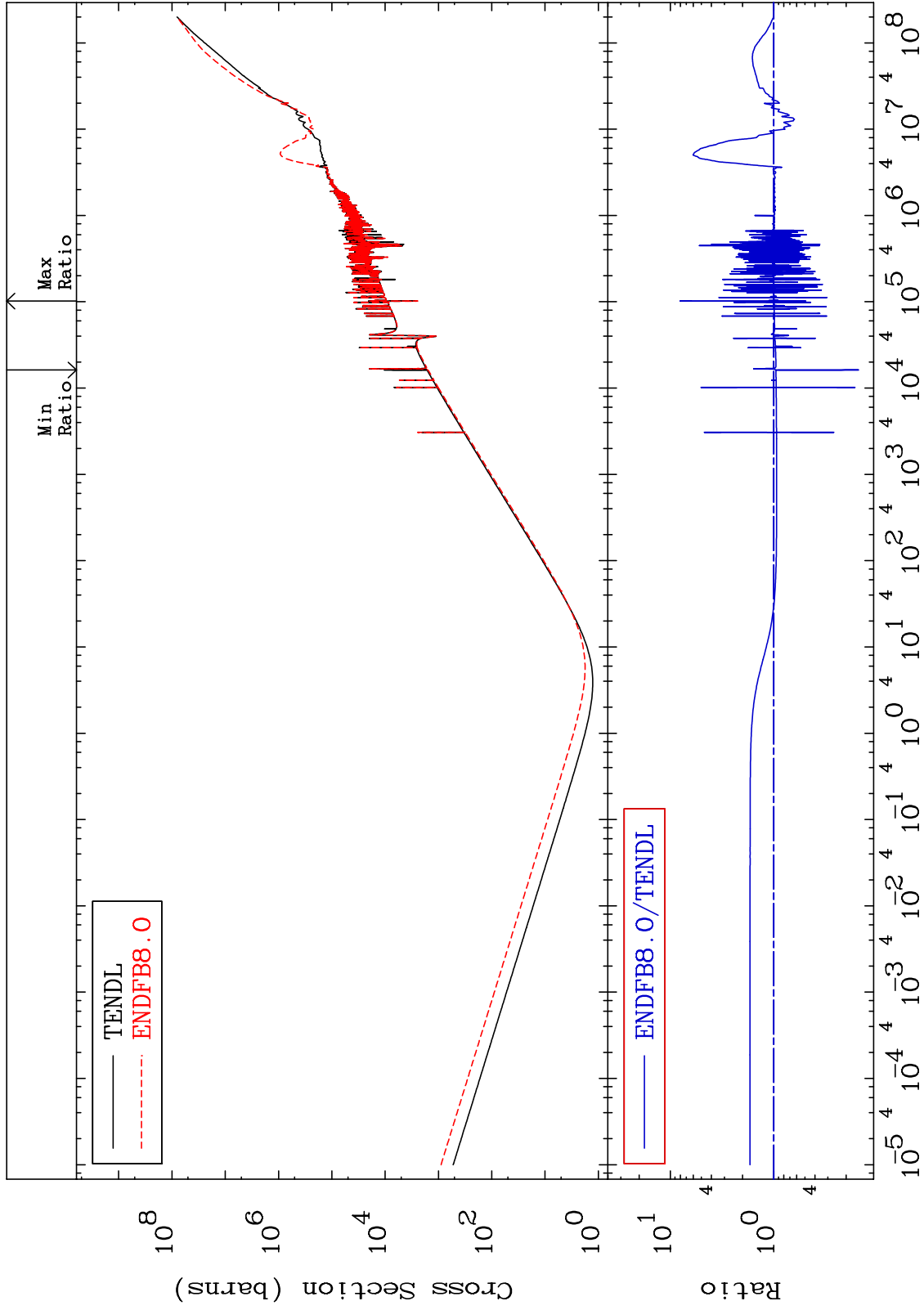
82-Pb-207
-62.52 To 9999. %



MAT 8234

Kerma total (eV-barns)
Cross Section

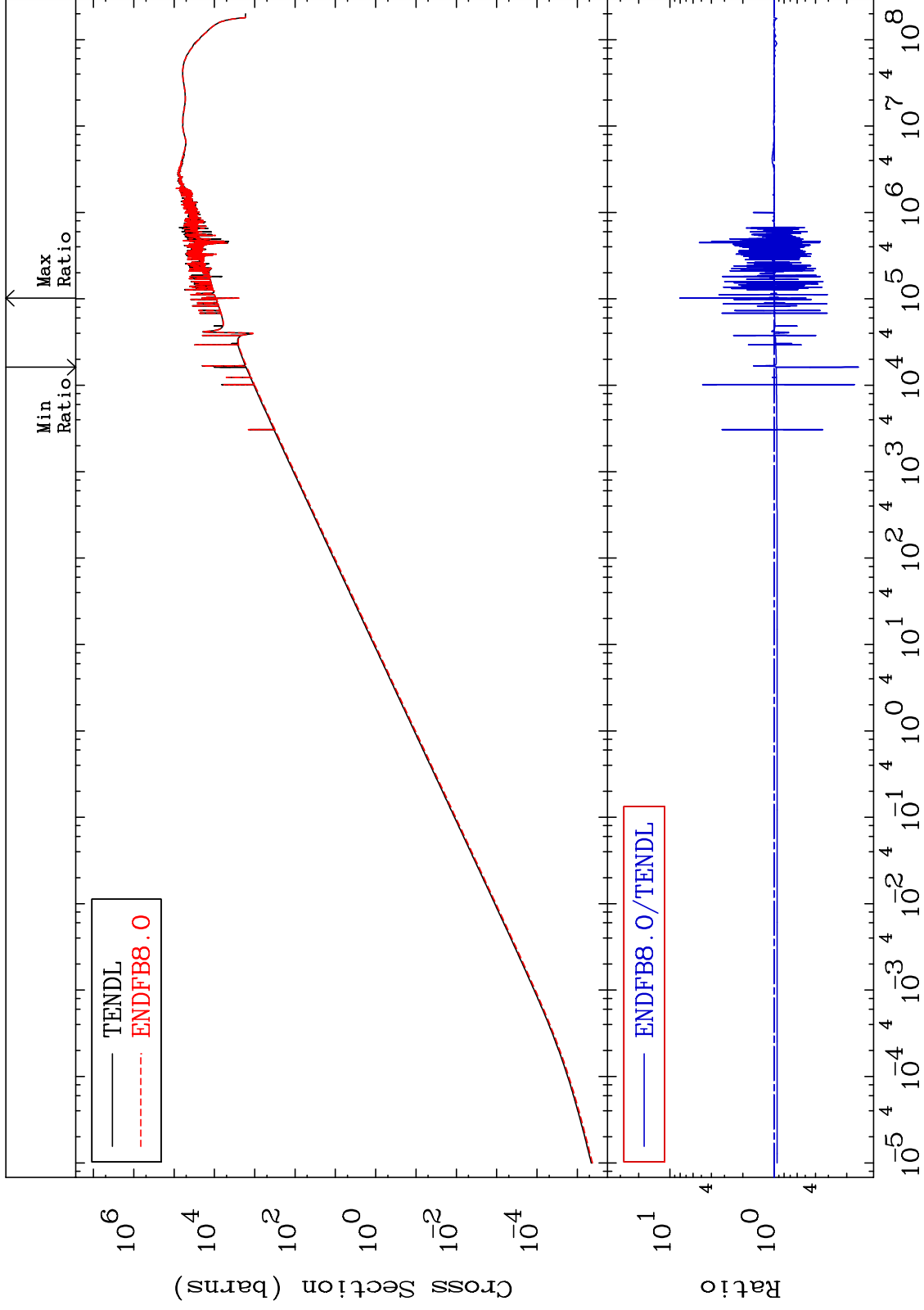
82-Pb-207
-84.80 To 704.8 %



MAT 8234

Kerma elastic
Cross Section

82-Pb-207
-84.52 To 704.9 %



45

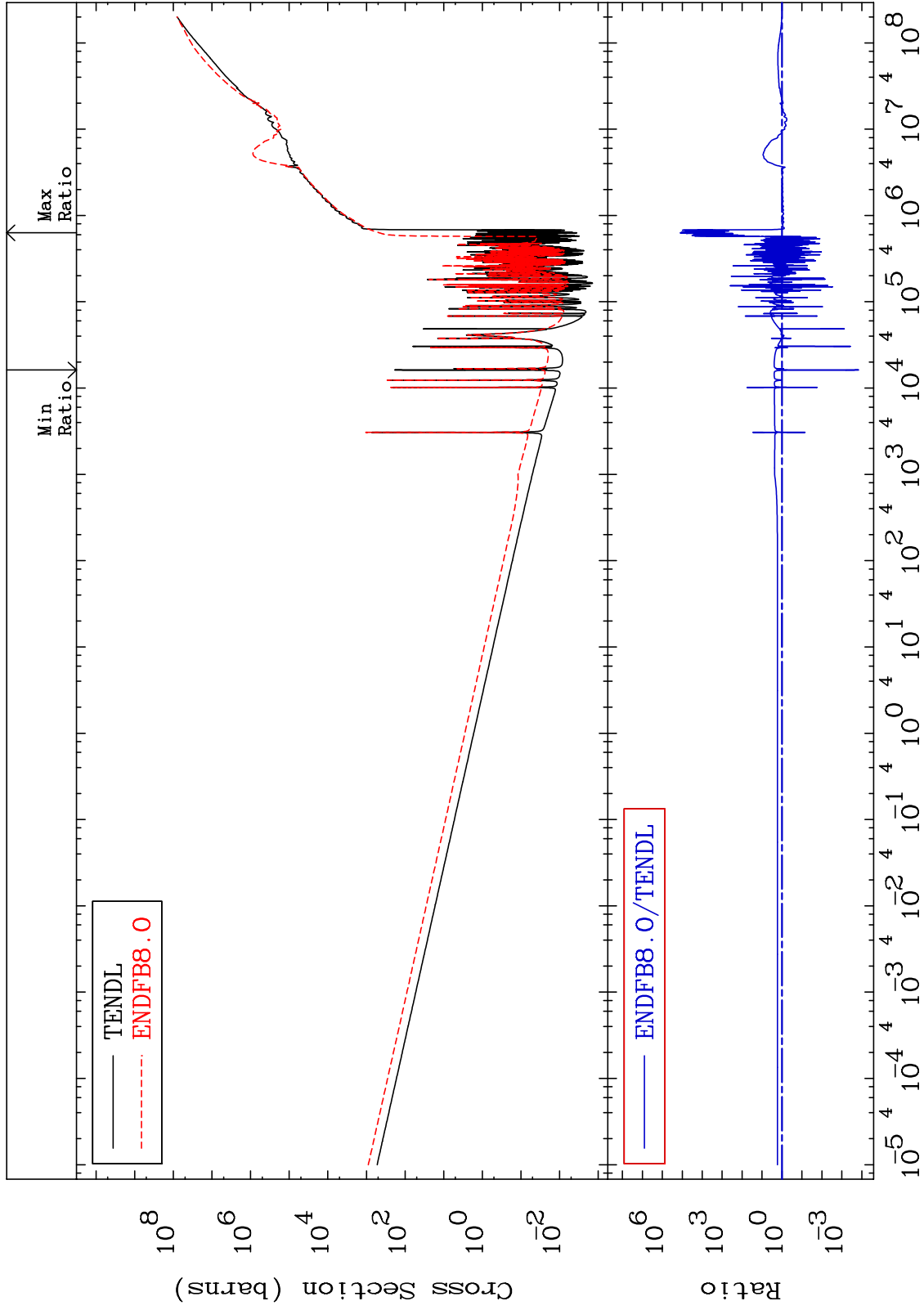
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma non-elastic (all but mt2)
Cross Section

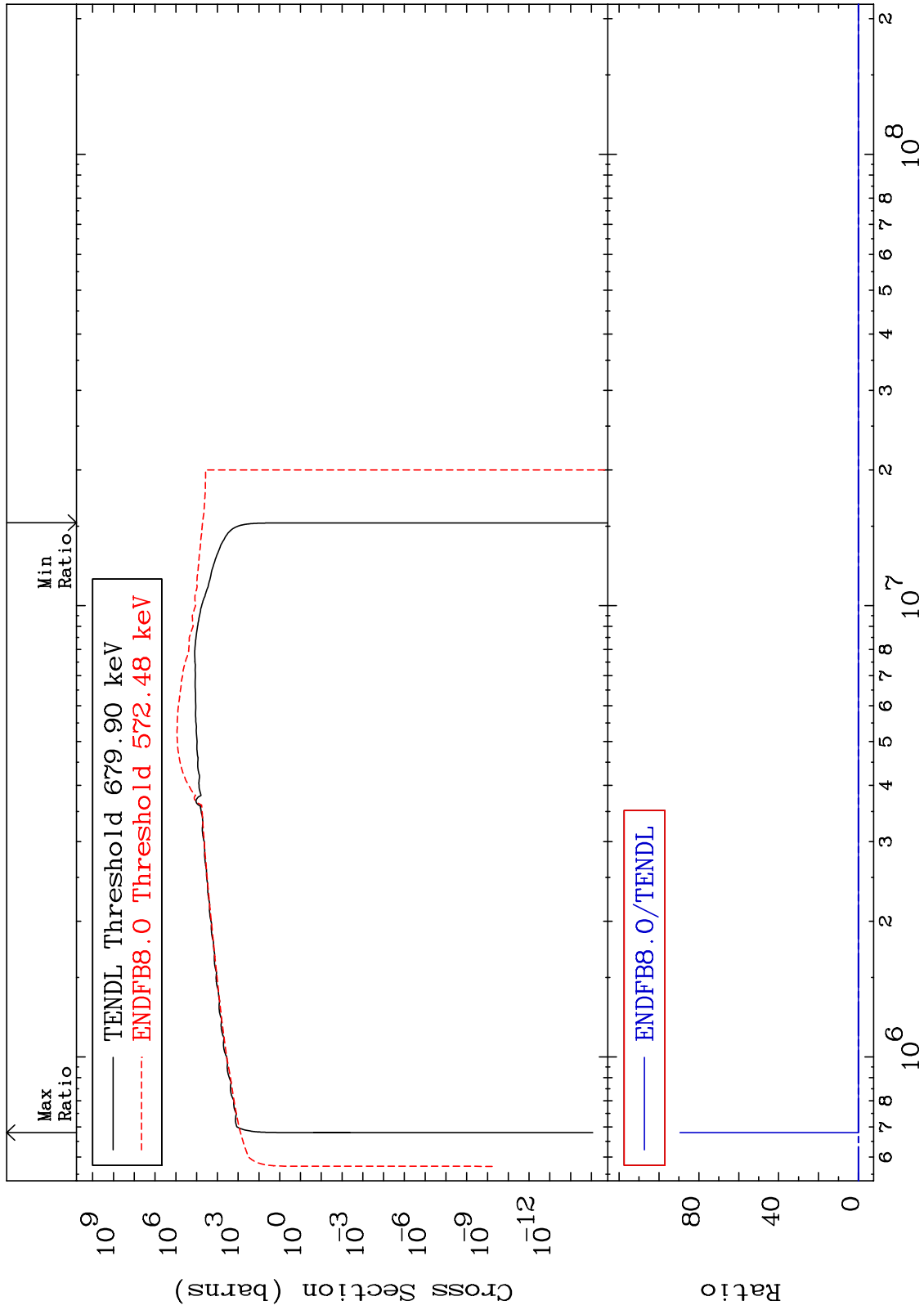
82-Pb-207
-99.99 To 9999. %



MAT 8234

Kerma inelastic (mt51-91)
Cross Section

82-Pb-207
-9999. To 9999. %



47

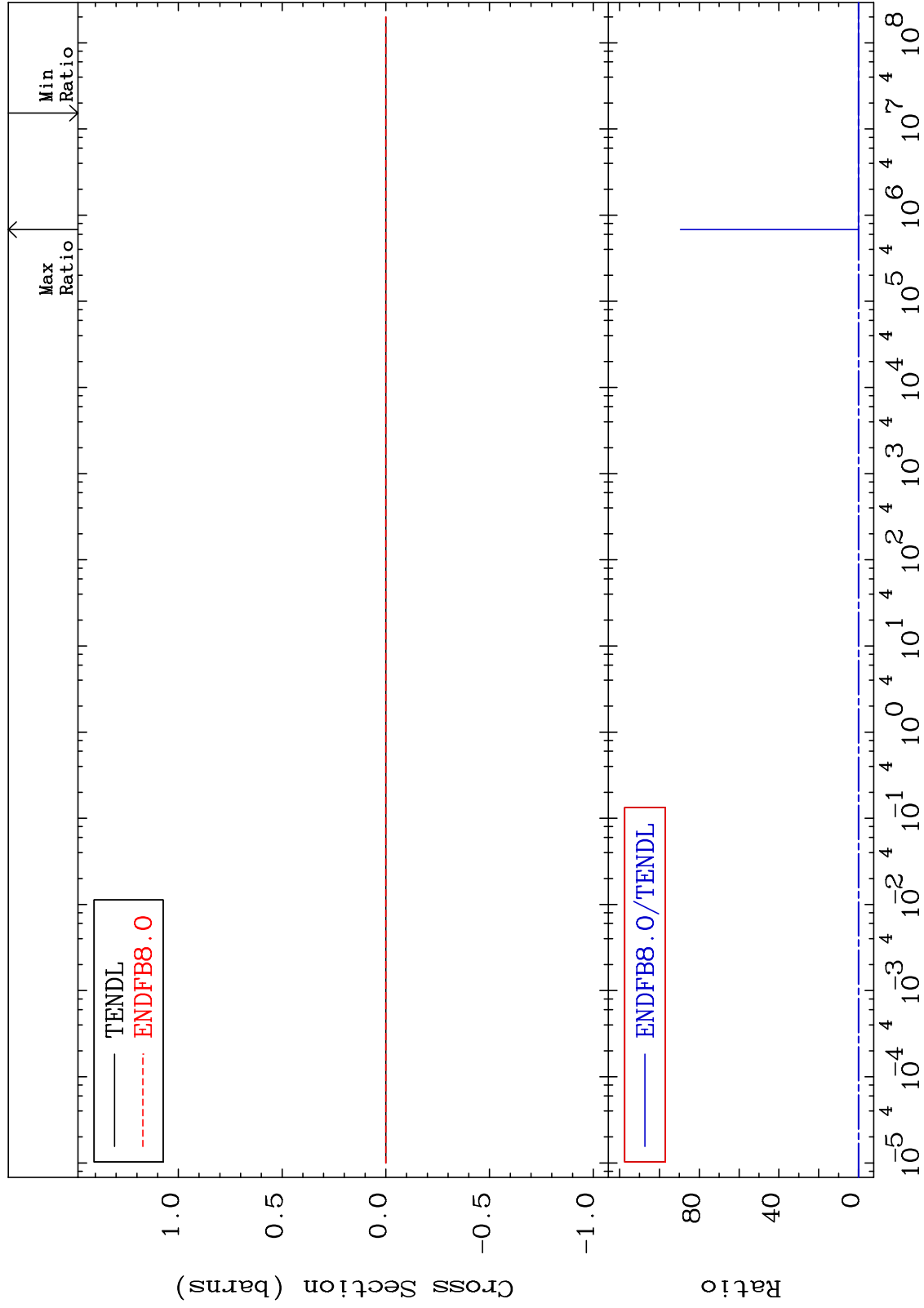
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

82-Pb-207
-9999. To 9999. %



48

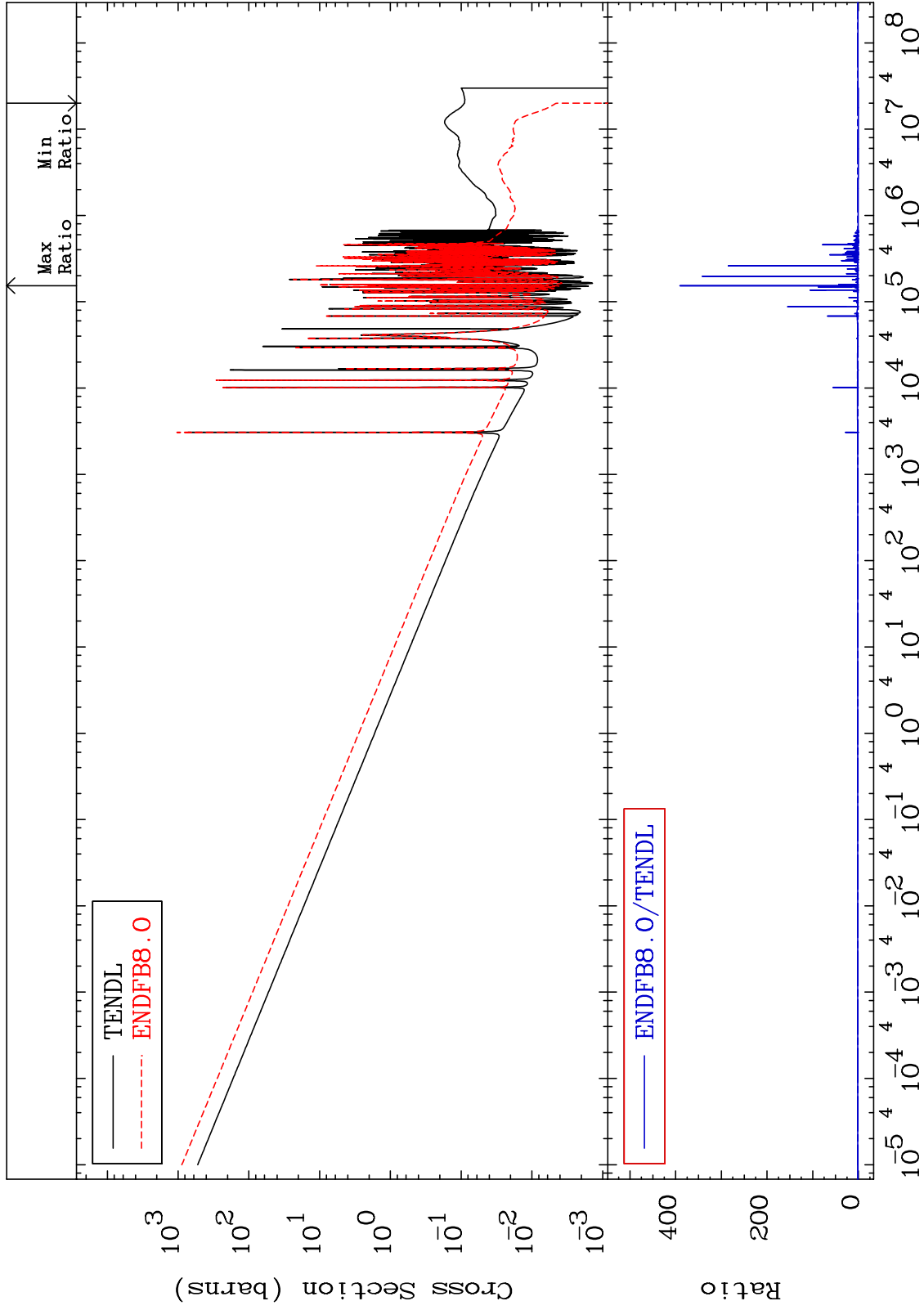
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma capture (mt102)
Cross Section

82-Pb-207
-100.0 To 9999. %



49

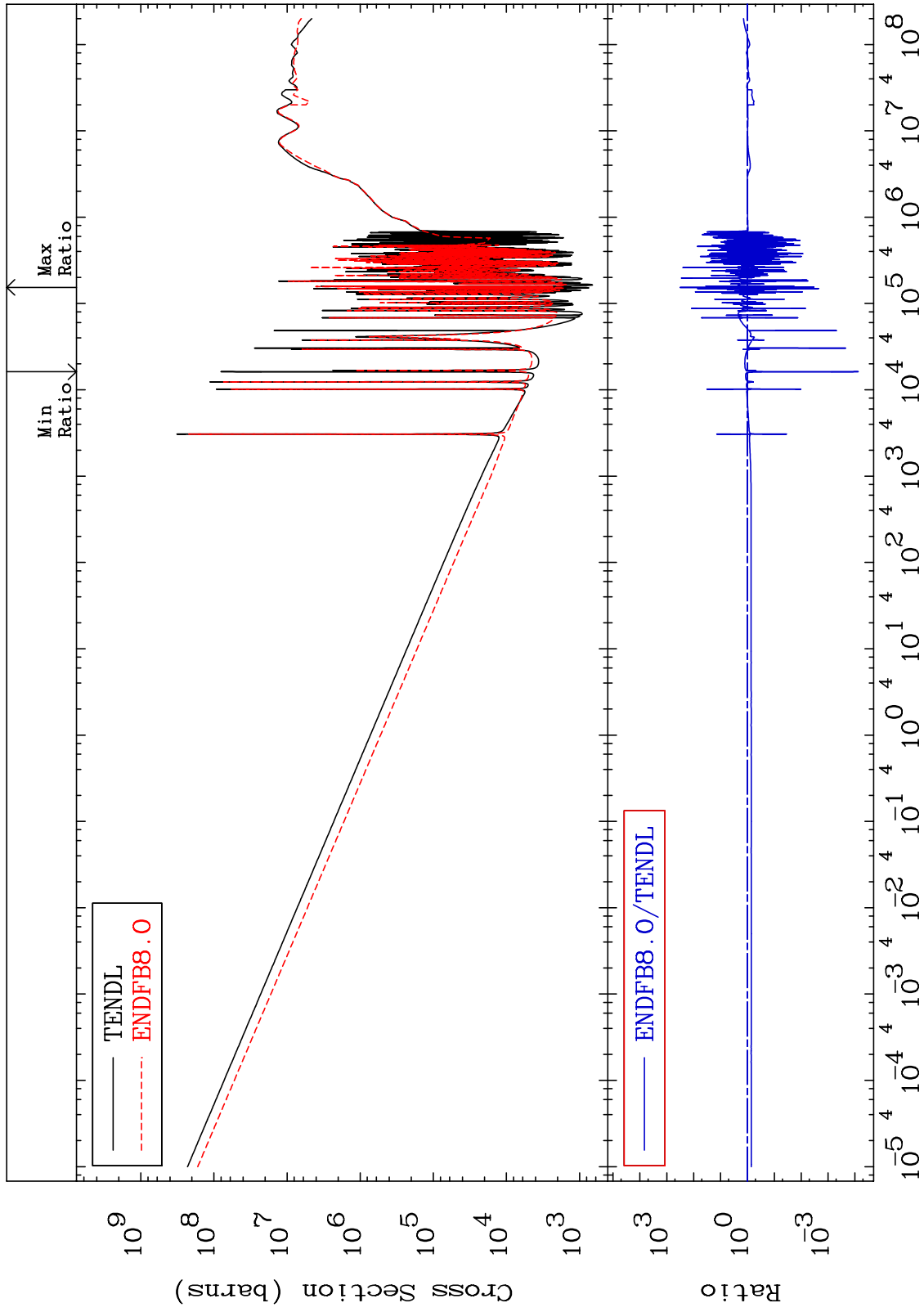
Incident Energy (eV)

82-Pb-207

MAT 8234

Total photon (eV-barns)
Cross Section

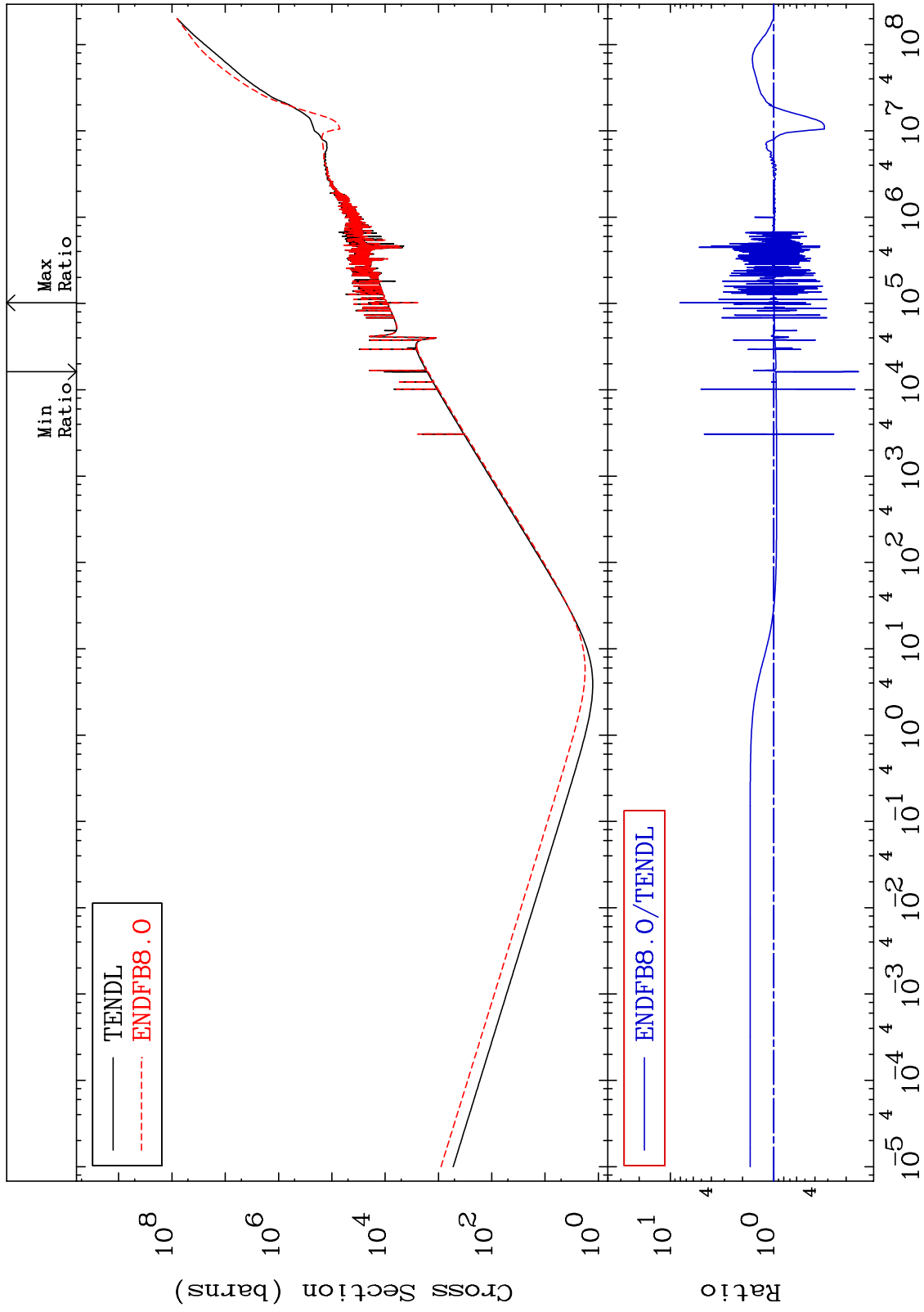
82-Pb-207
-99.99 To 9999. %



MAT 8234

Total kinematic kerma (high limit)
Cross Section

82-Pb-207
-84.80 To 704.8 %



51

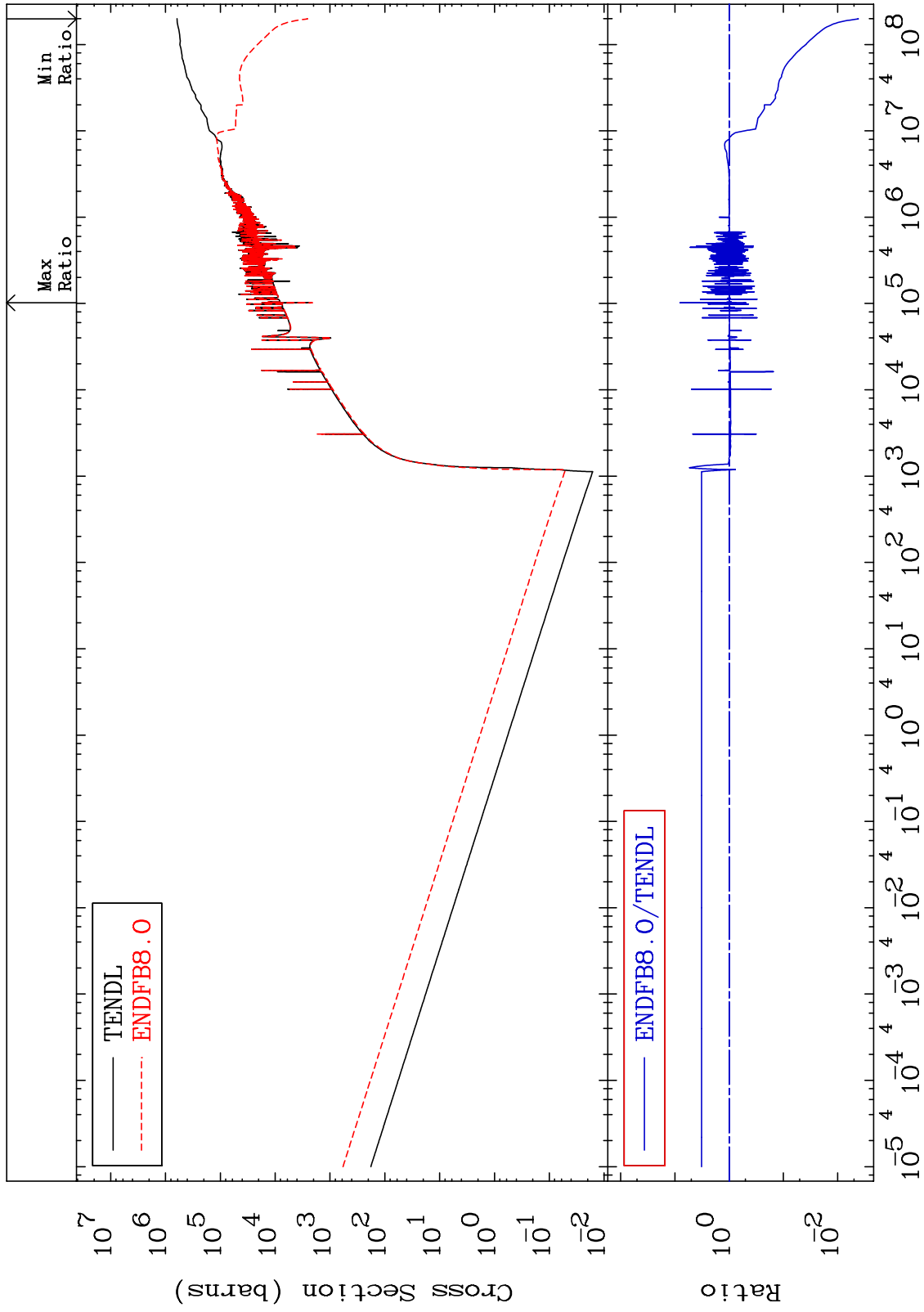
Incident Energy (eV)

82-Pb-207

MAT 8234

Dpa total (eV-barns)
Cross Section

82-Pb-207
-99.59 To 704.8 %



52

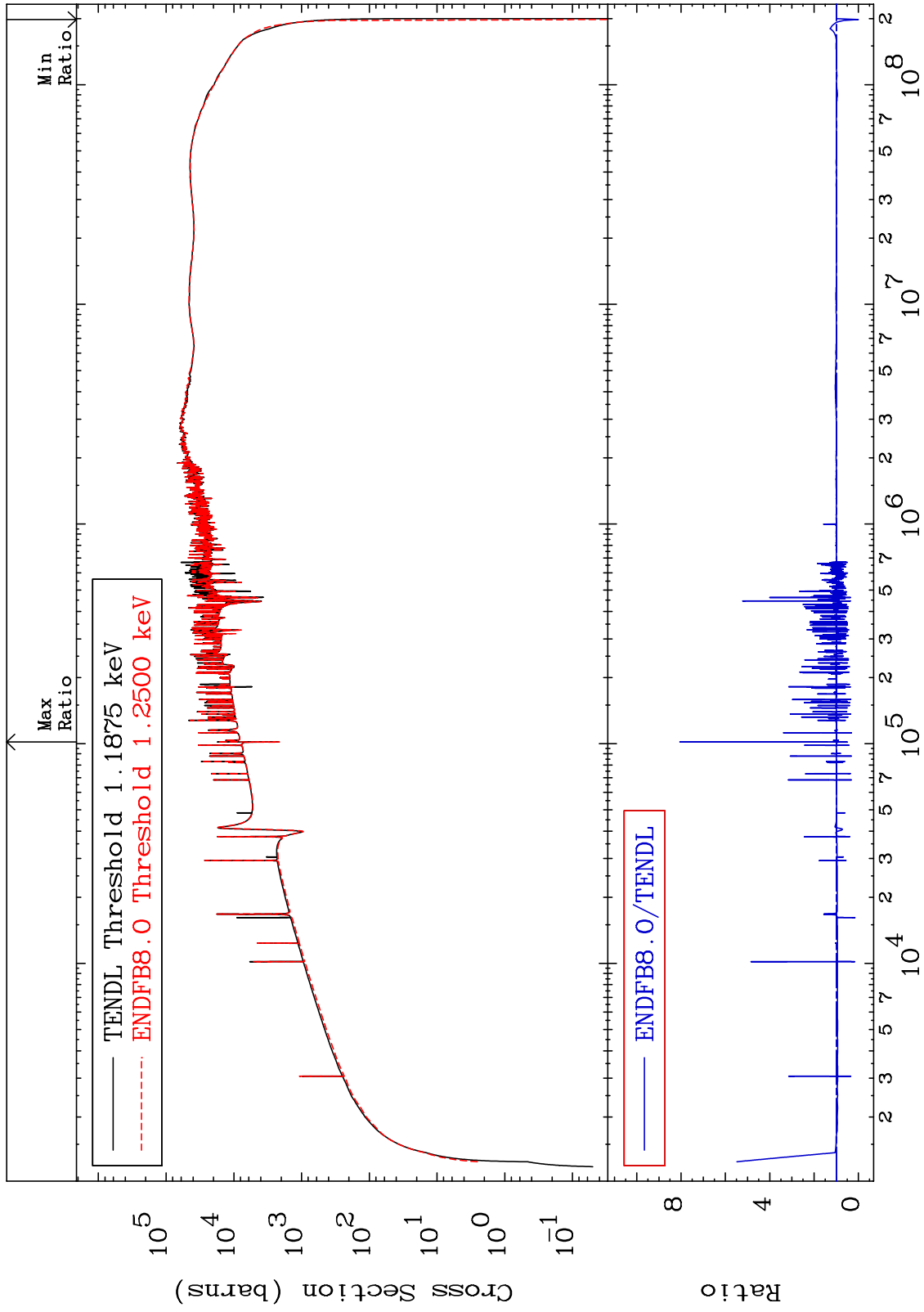
Incident Energy (eV)

82-Pb-207

MAT 8234

Dpa elastic (mt2)
Cross Section

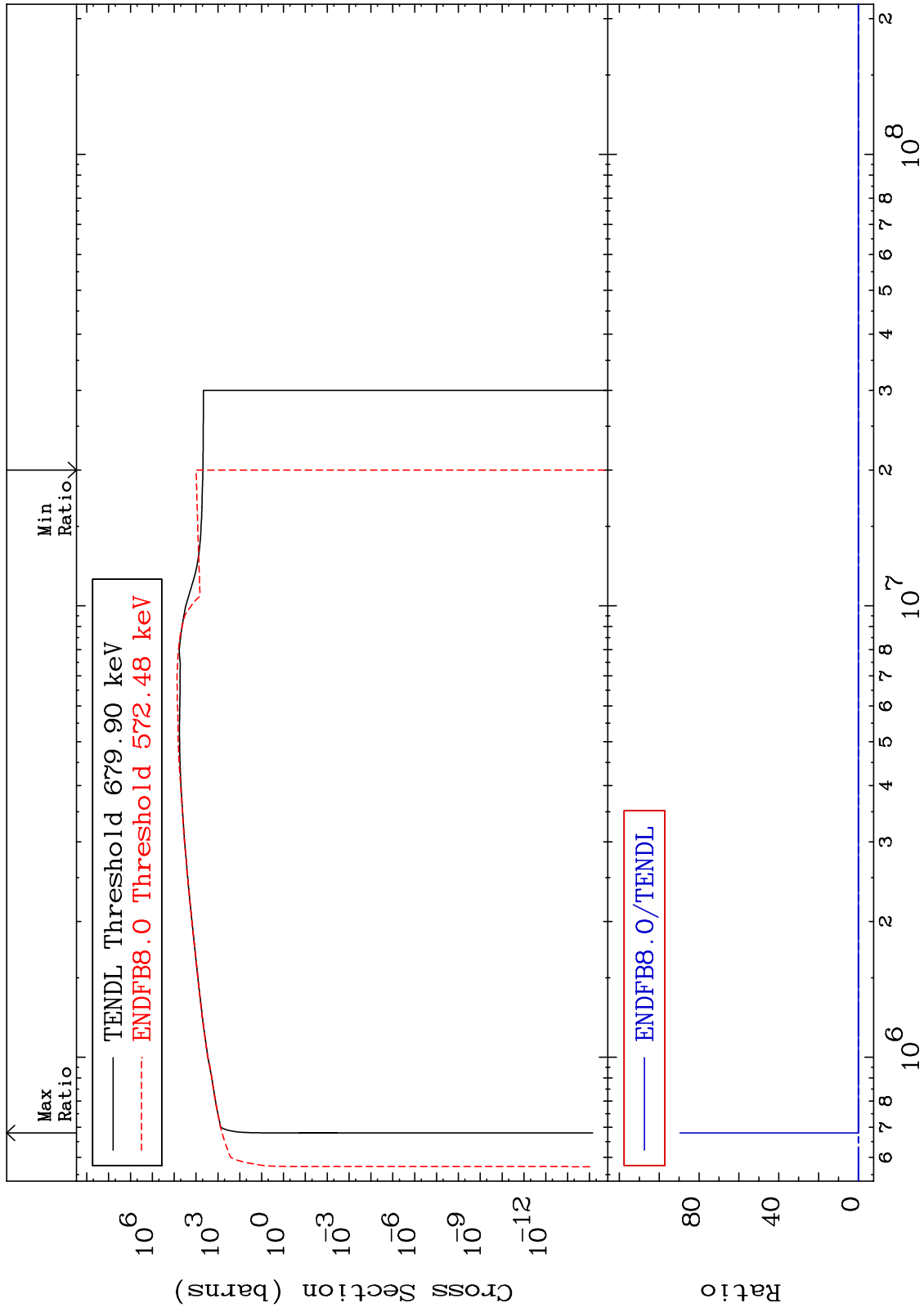
82-Pb-207
-100.0 To 704.9 %



MAT 8234

Dpa inelastic (mt51-91)
Cross Section

82-Pb-207
-100.0 To 9999. %



54

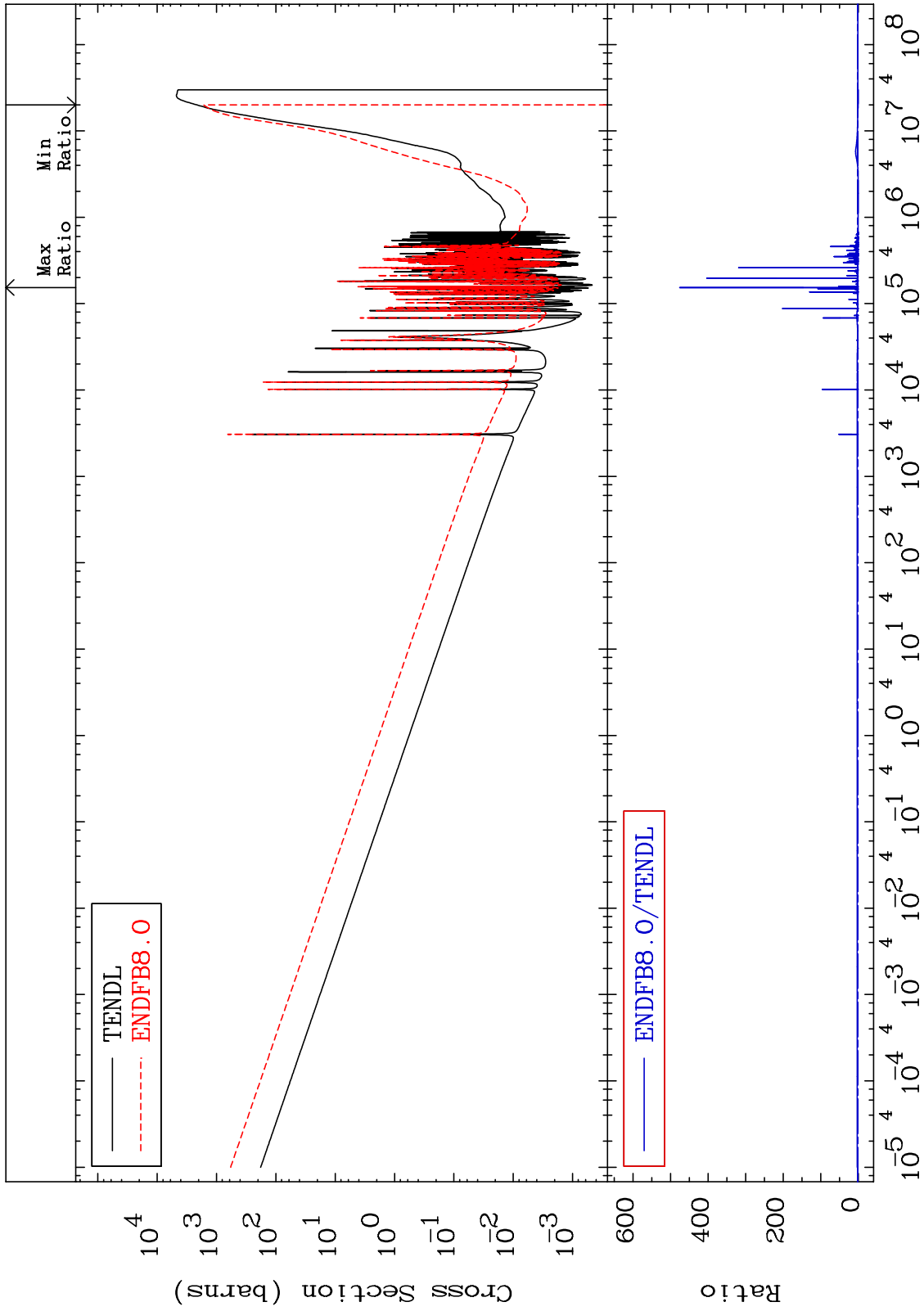
Incident Energy (eV)

82-Pb-207

MAT 8234

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-207
-100.0 To 9999. %



55

Incident Energy (eV)

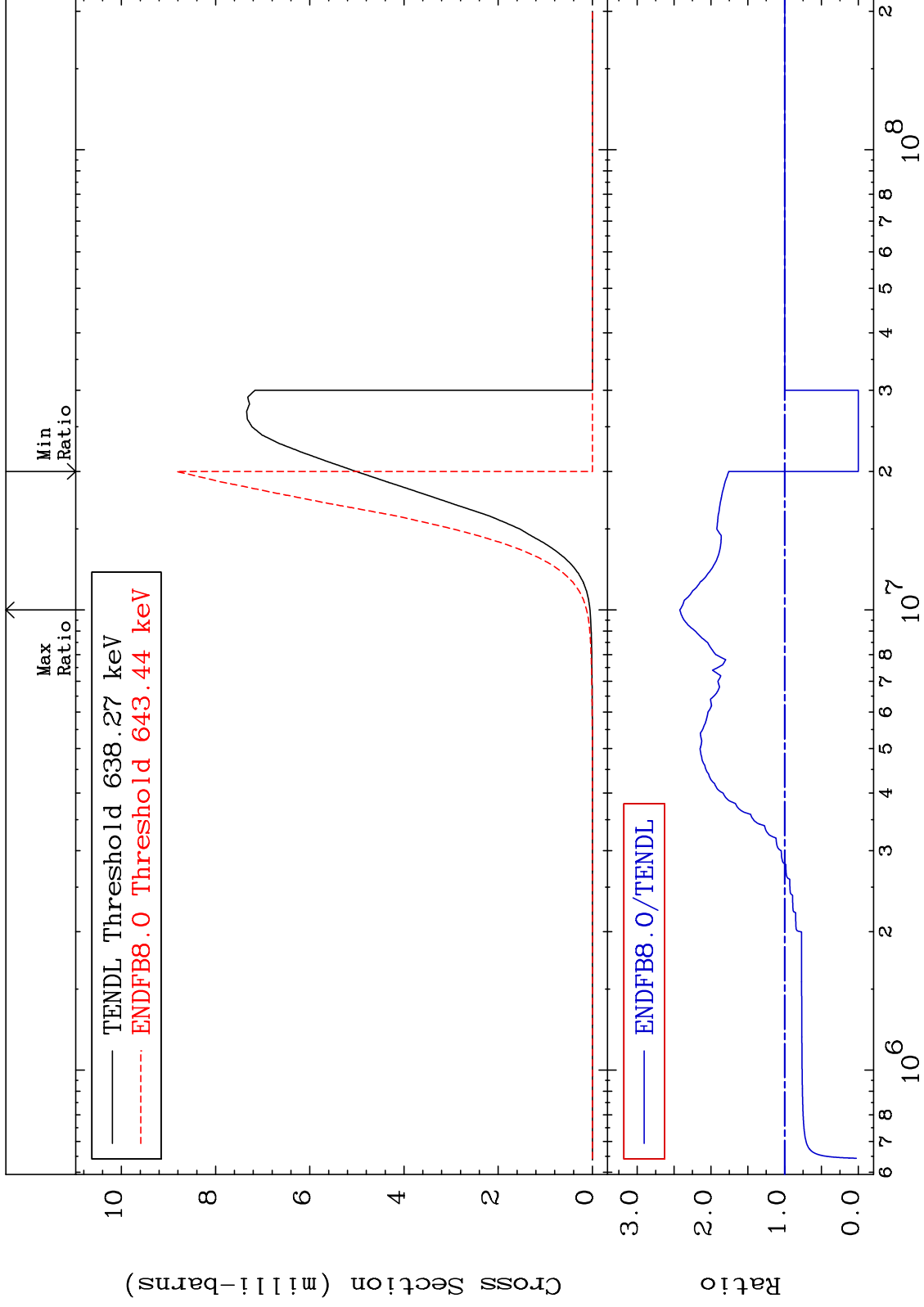
82-Pb-207

MAT 8234

(n,p):81-Tl-207g

82-Pb-207

Radionuclide Production Cross Section -100.0 To 142.2 %



56

Incident Energy (eV)

82-Pb-207

MAT 8234

(n, p) : 81-Tl-207m2

82-Pb-207

Radionuclide Production Cross Section -100.0 To 753.0 %

