

Program Complot
(Version 2021-1)

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

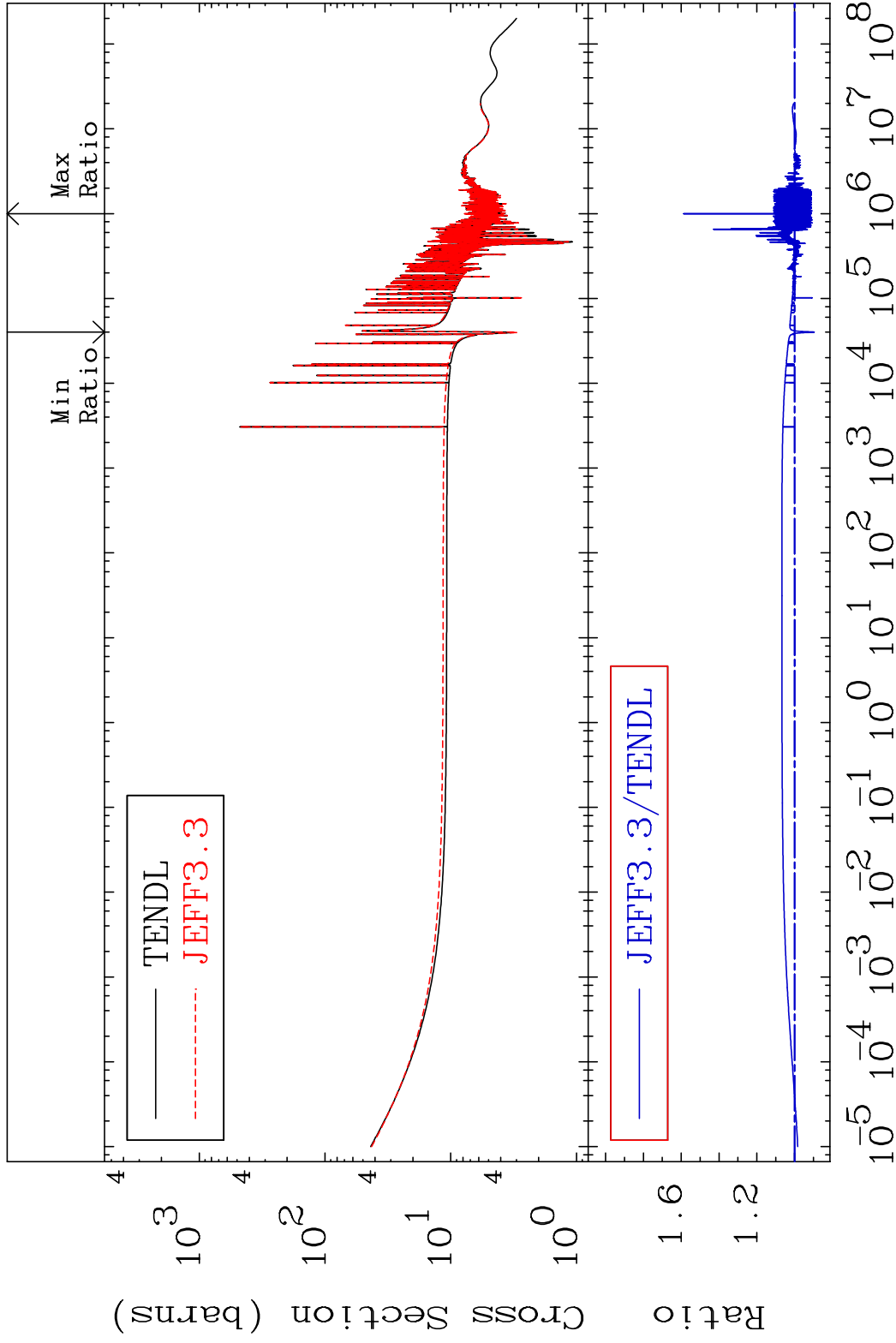
MAT 8234

Total

82-Pb-207

Cross Section

-10.32 To 58.71 %



1

Incident Energy (eV)

82-Pb-207

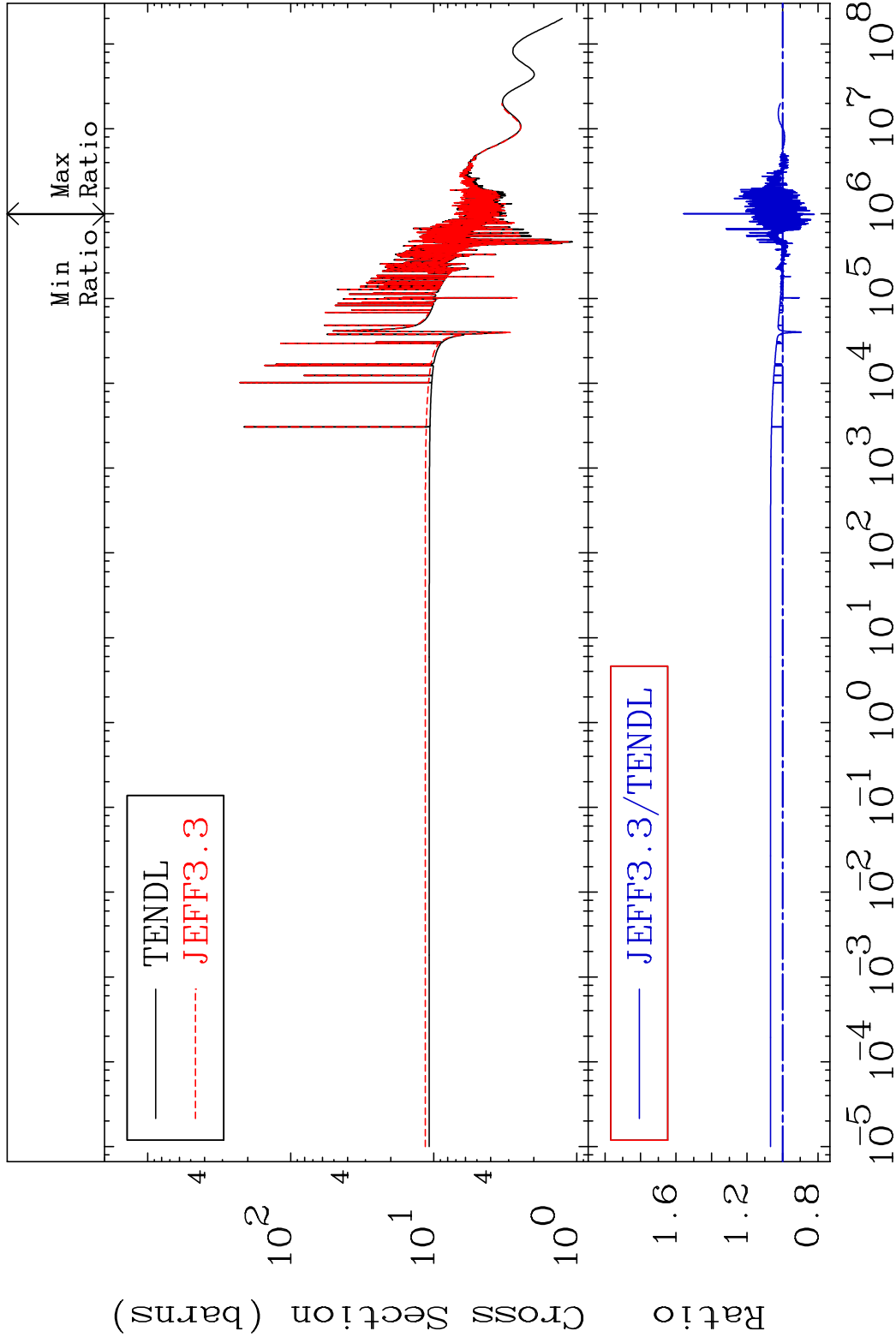
MAT 8234

Elastic

82-Pb-207

Cross Section

-17.79 To 55.70 %



2

Incident Energy (eV)

82-Pb-207

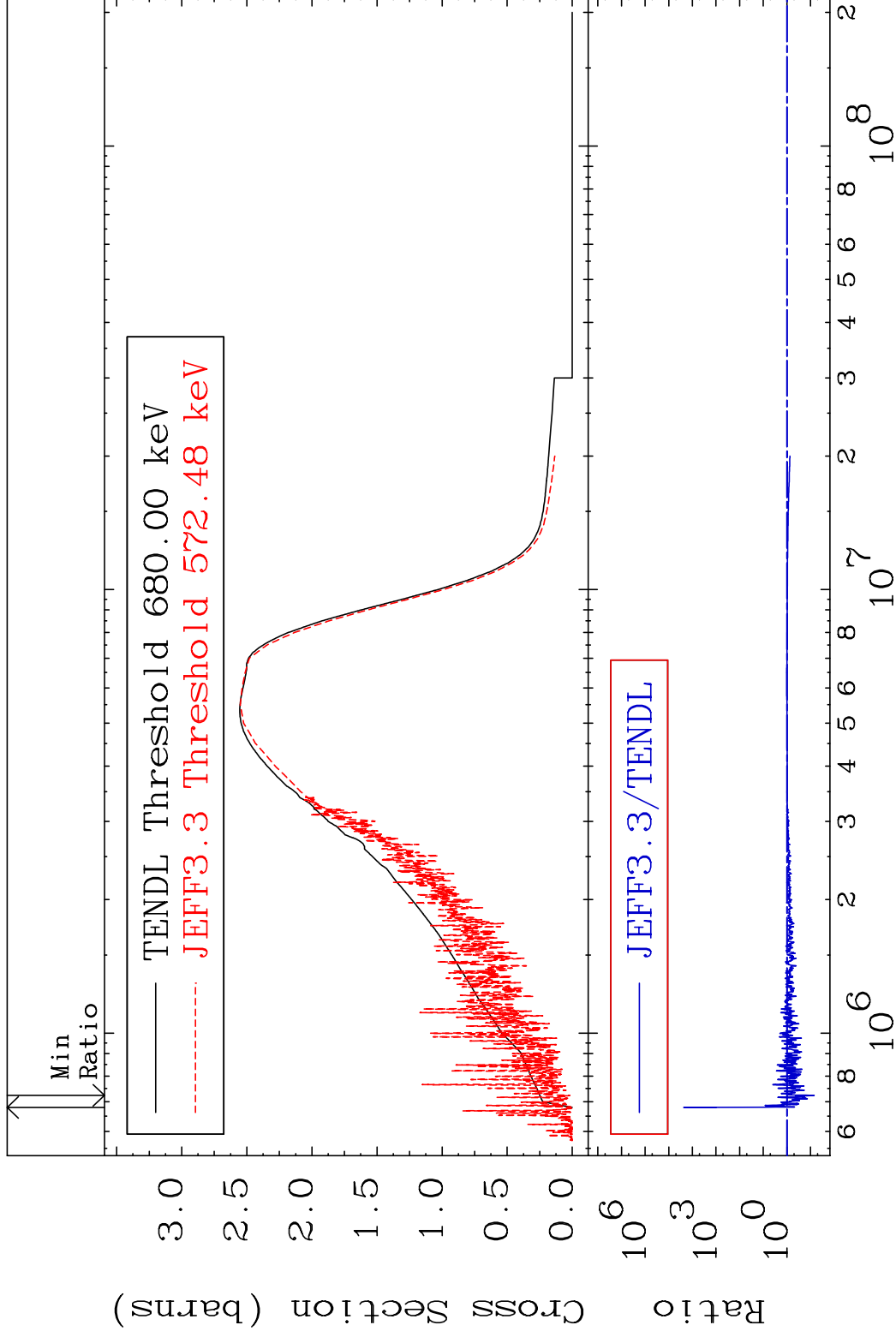
MAT 8234

Inelastic

82-Pb-207

Cross Section

-92.98 To 9999. %



3

Incident Energy (eV)

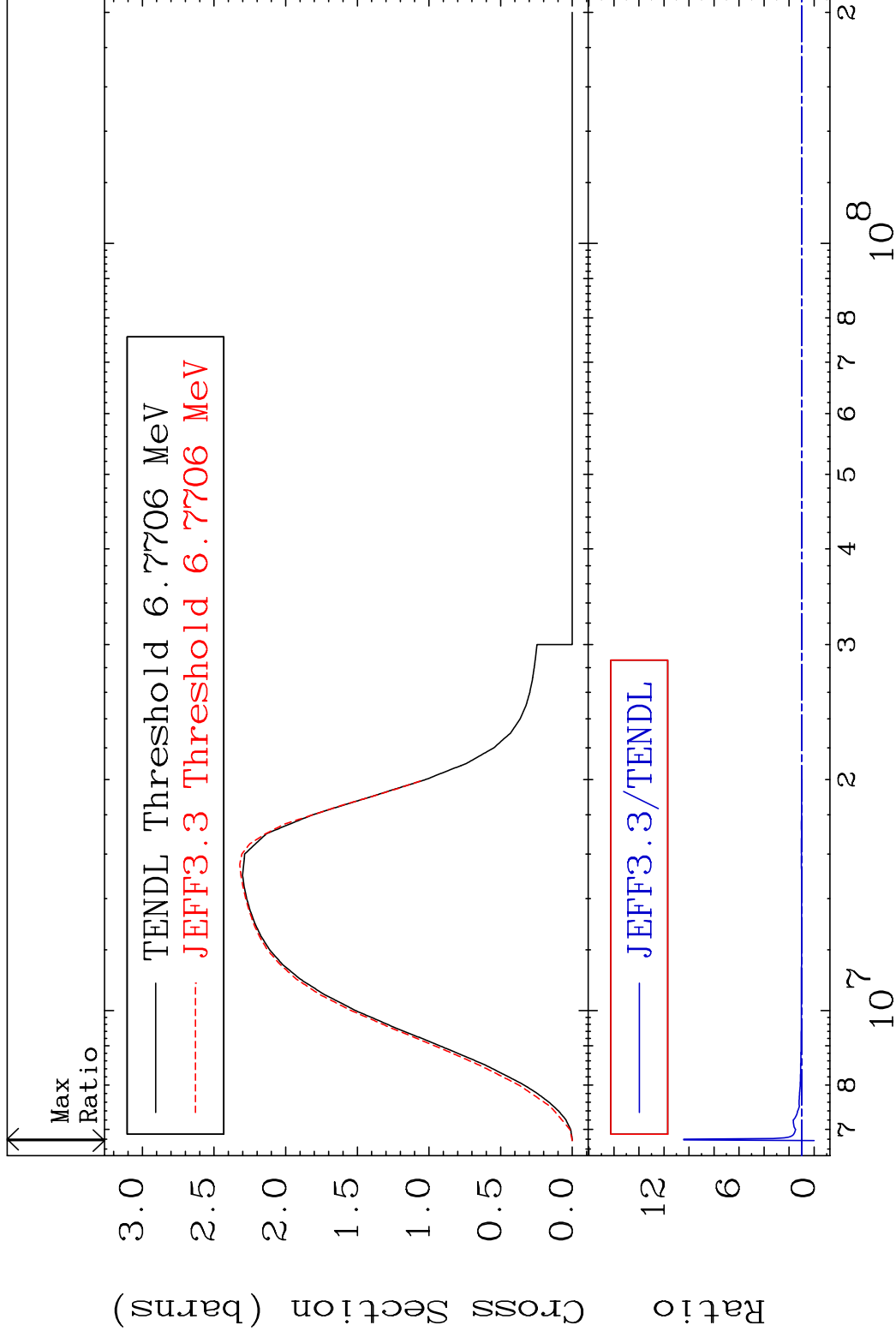
82-Pb-207

MAT 8234

(n,2n)

82-Pb-207

Cross Section -100.0 To 942.6 %



4

Incident Energy (eV)

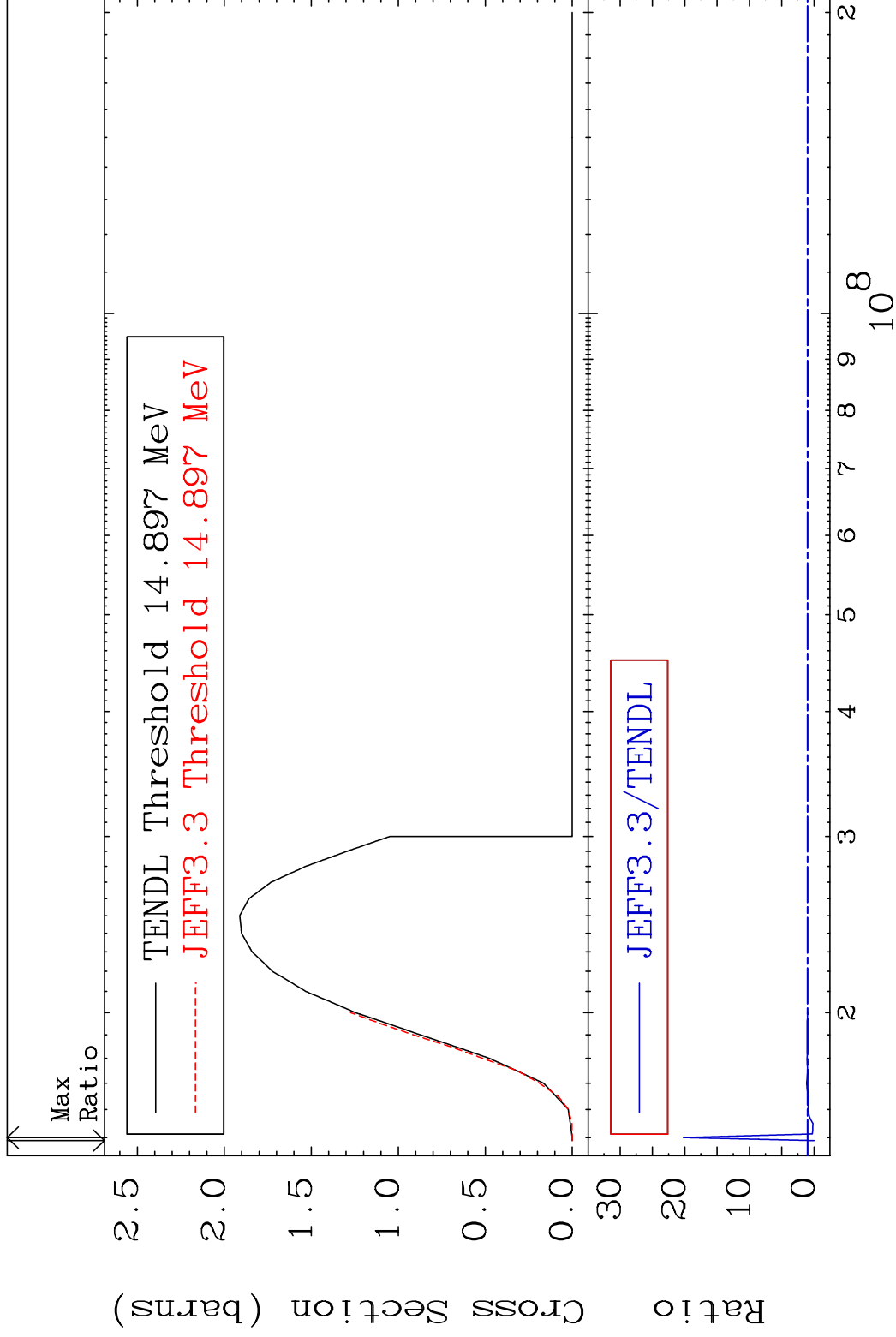
82-Pb-207

MAT 8234

(n,3n)

82-Pb-207

Cross Section -100.0 To 1917. %



5

Incident Energy (eV)

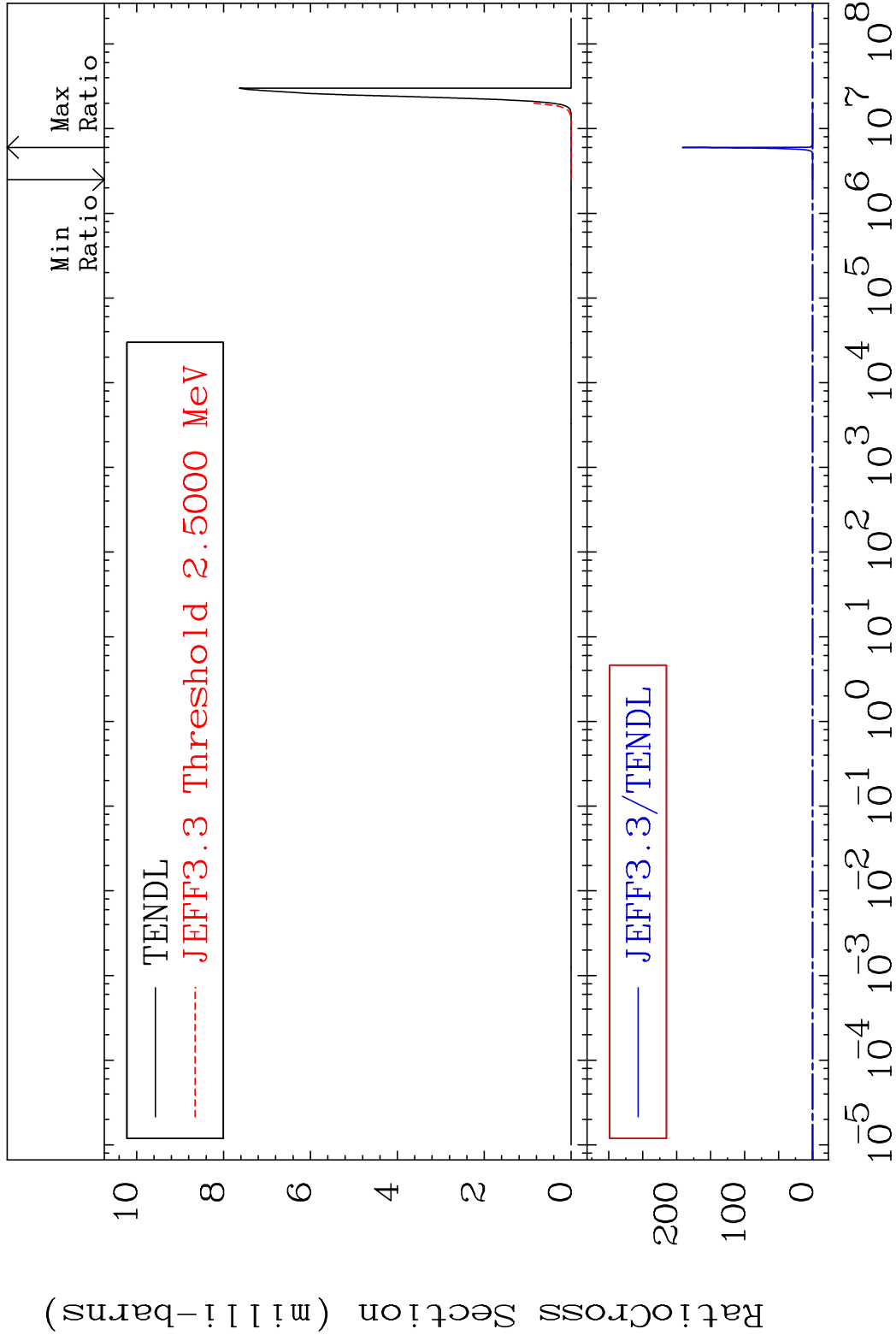
82-Pb-207

MAT 8234

(n, n') α

82-Pb-207

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

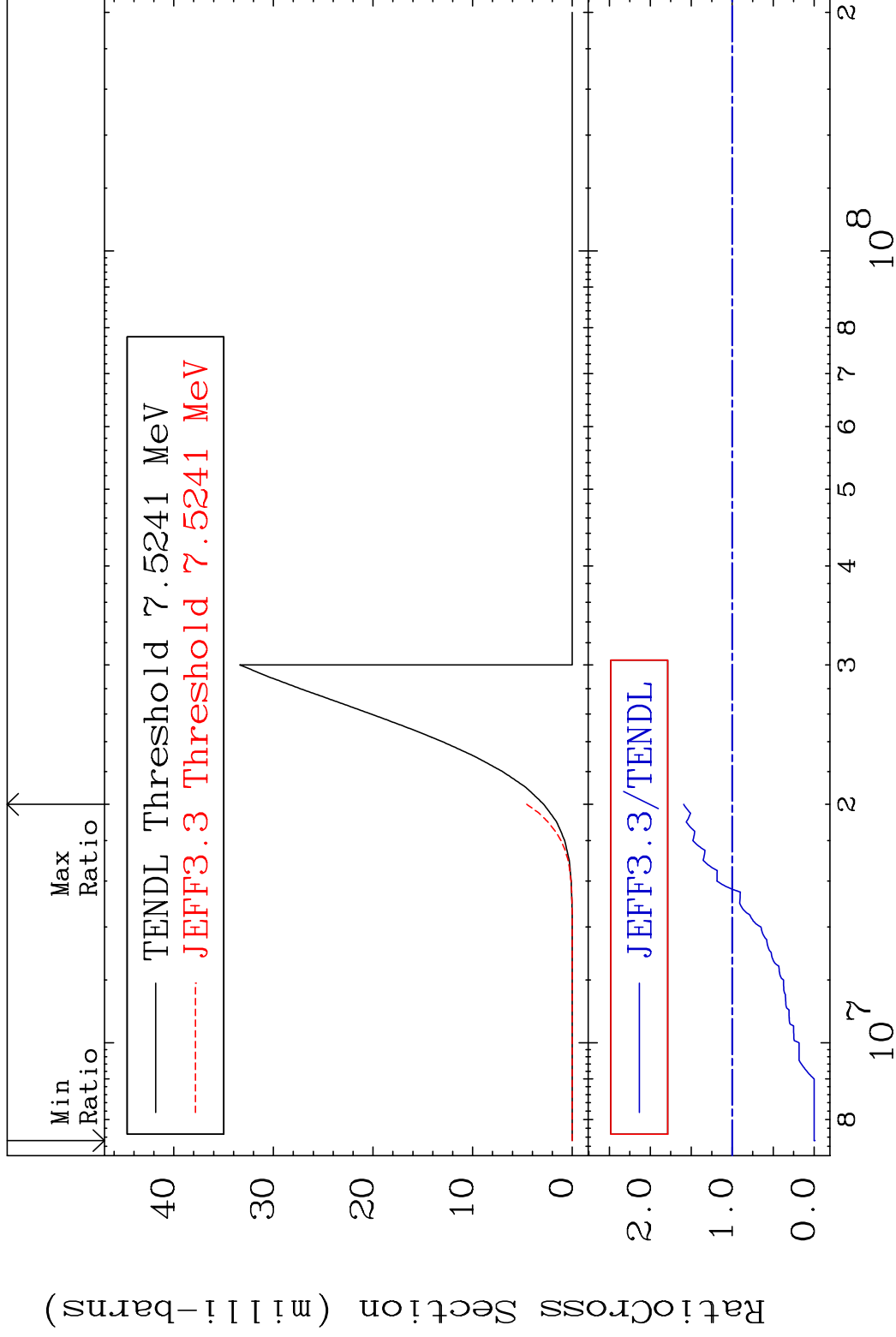
82-Pb-207

MAT 8234

(n, n') p

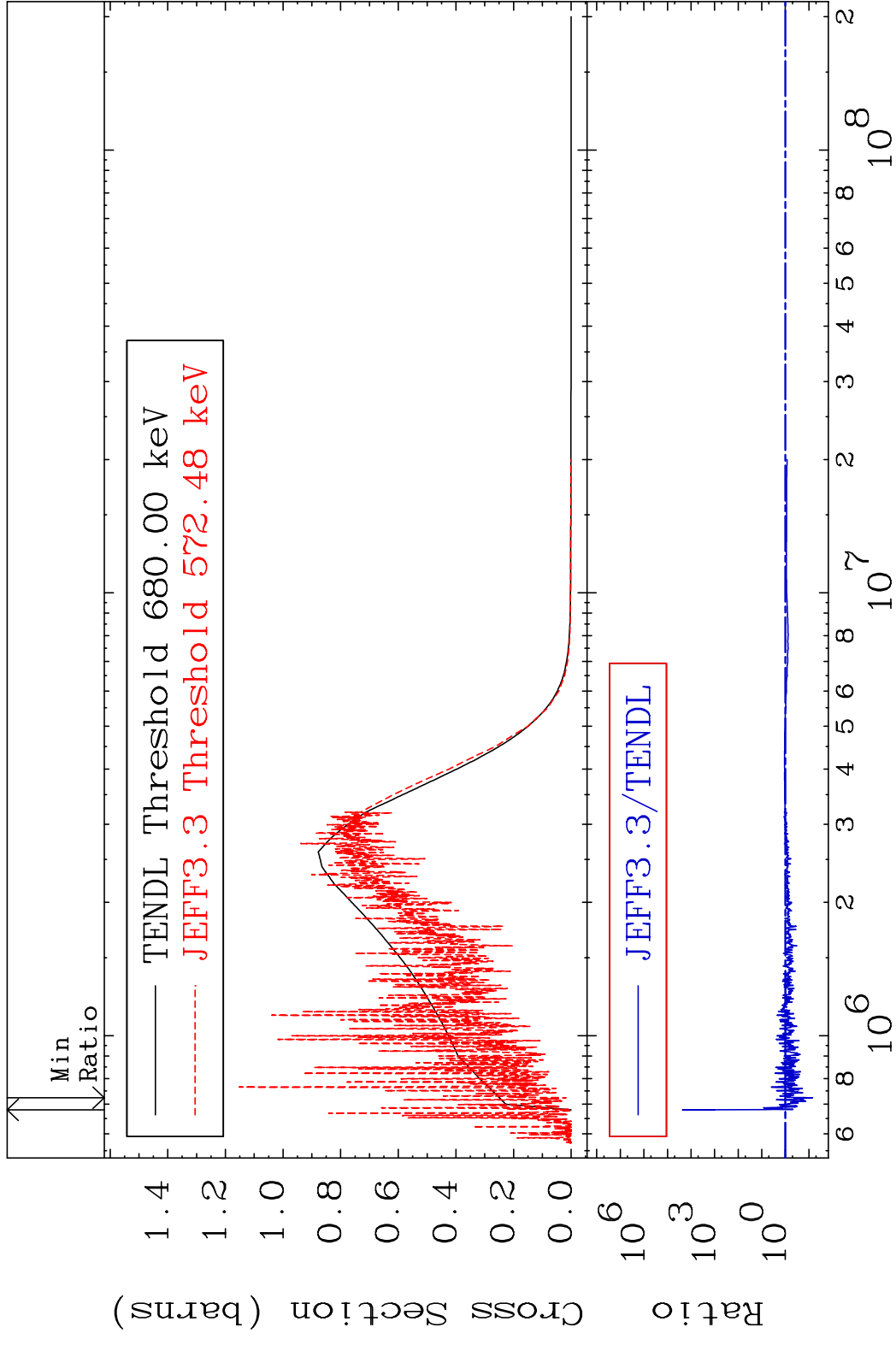
82-Pb-207

Cross Section -100.0 To 59.25 %

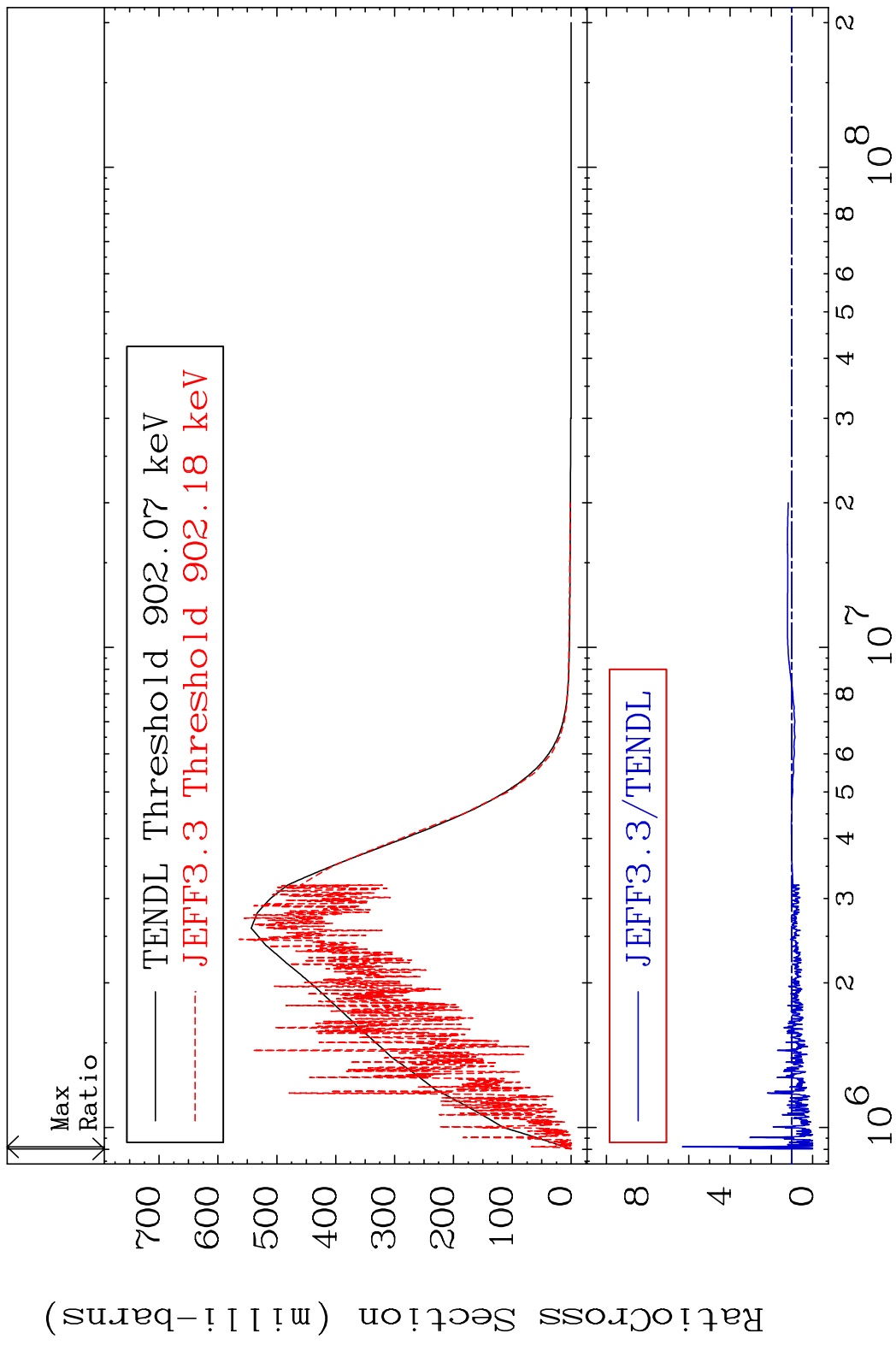


7 Incident Energy (eV) 82-Pb-207

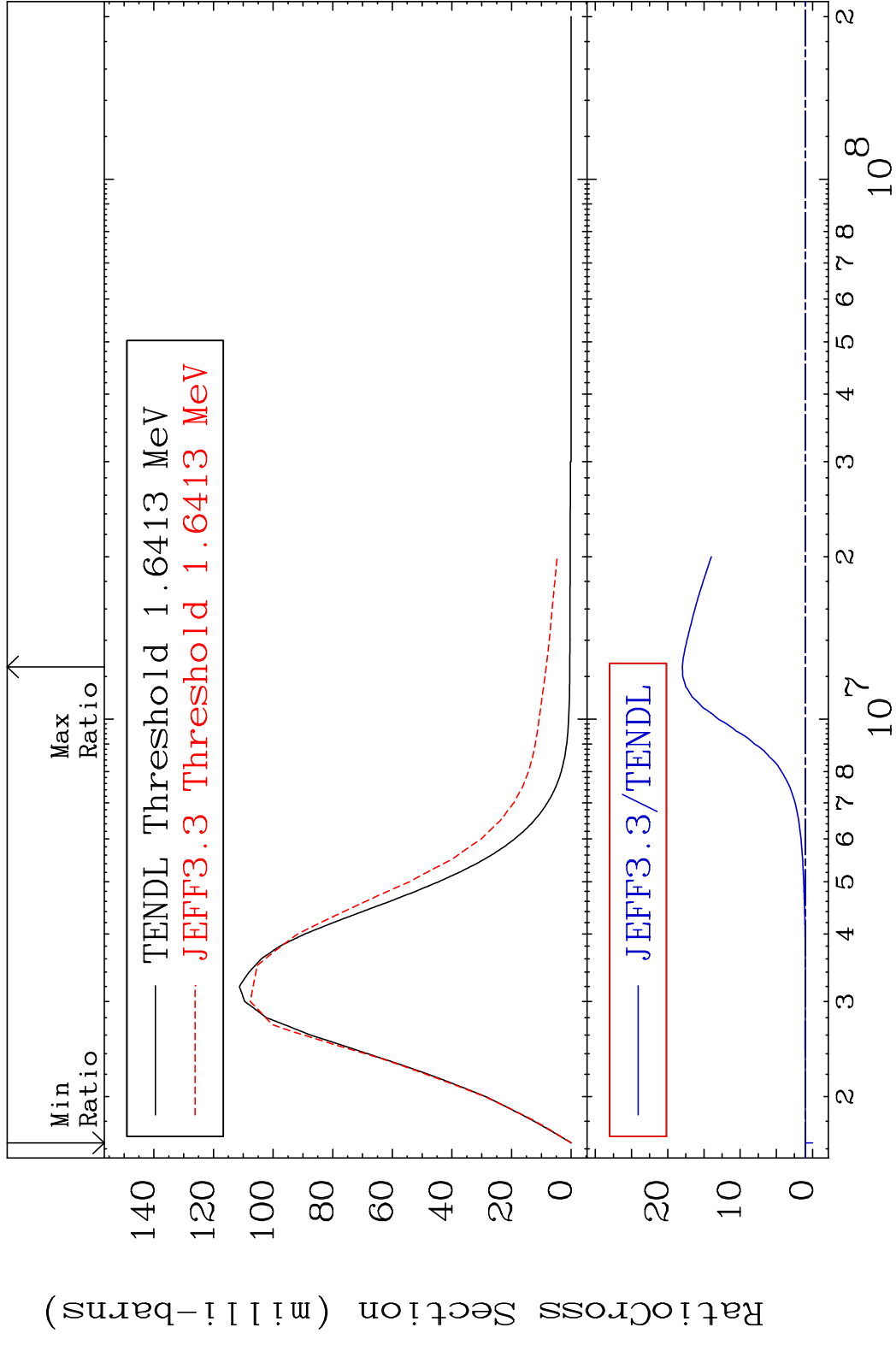
MAT 8234 MT= 51 (n,n') Level 82-Pb-207
 Cross Section -92.98 To 9999. %



MAT 8234 MT= 52 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 531.7 %

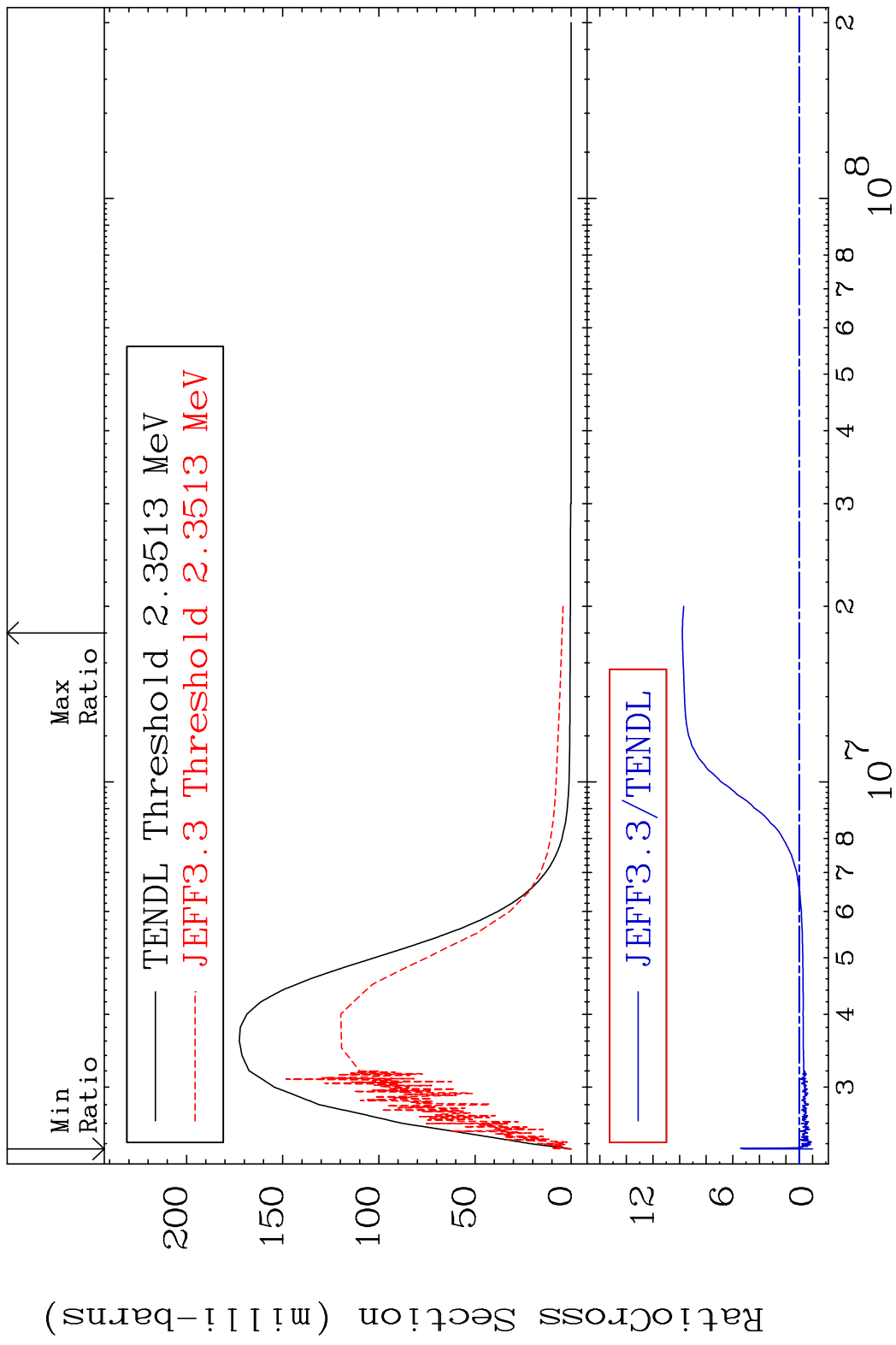


MAT 8234 MT= 53 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 1698. %

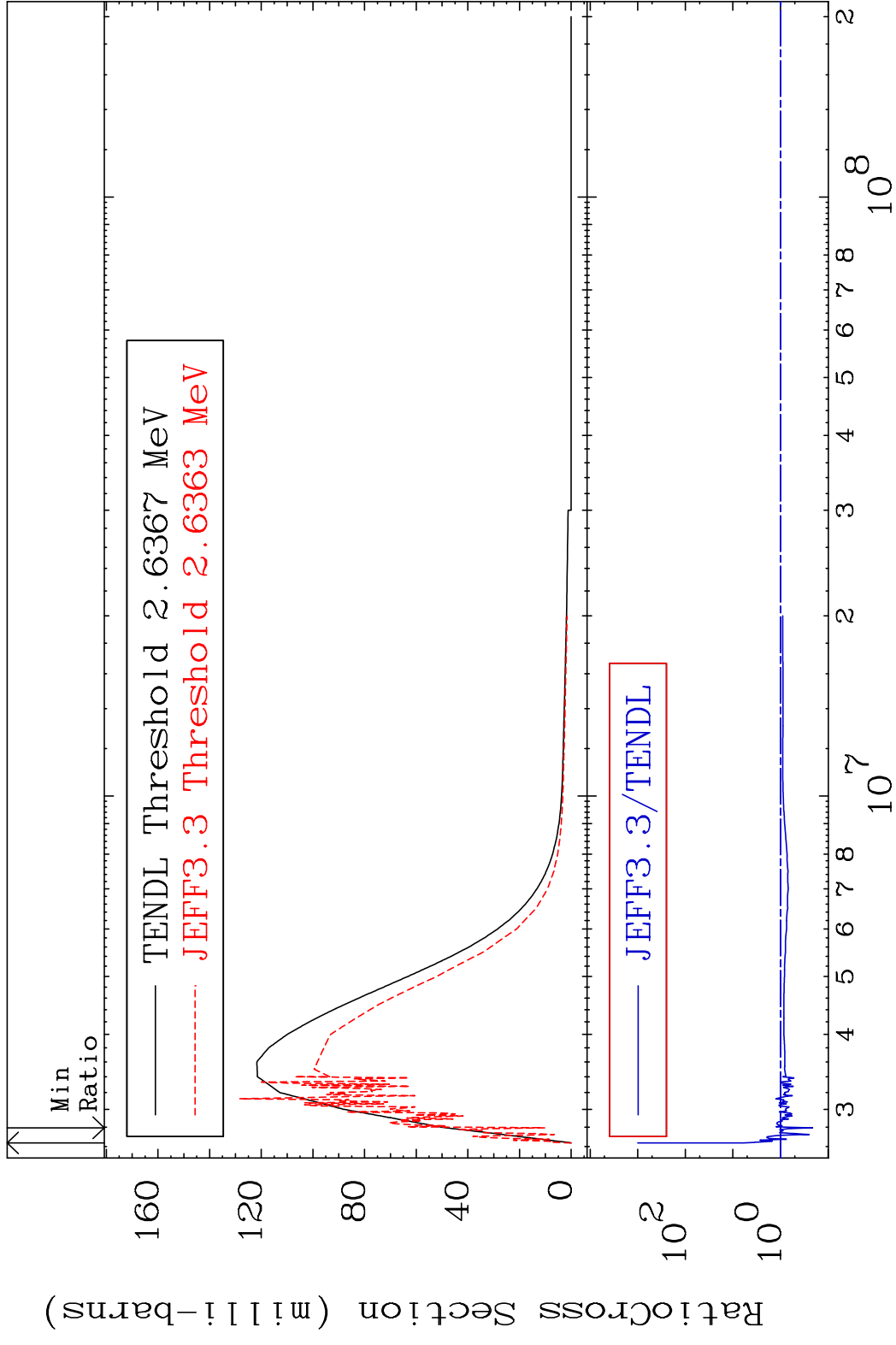


10 Incident Energy (eV) 82-Pb-207

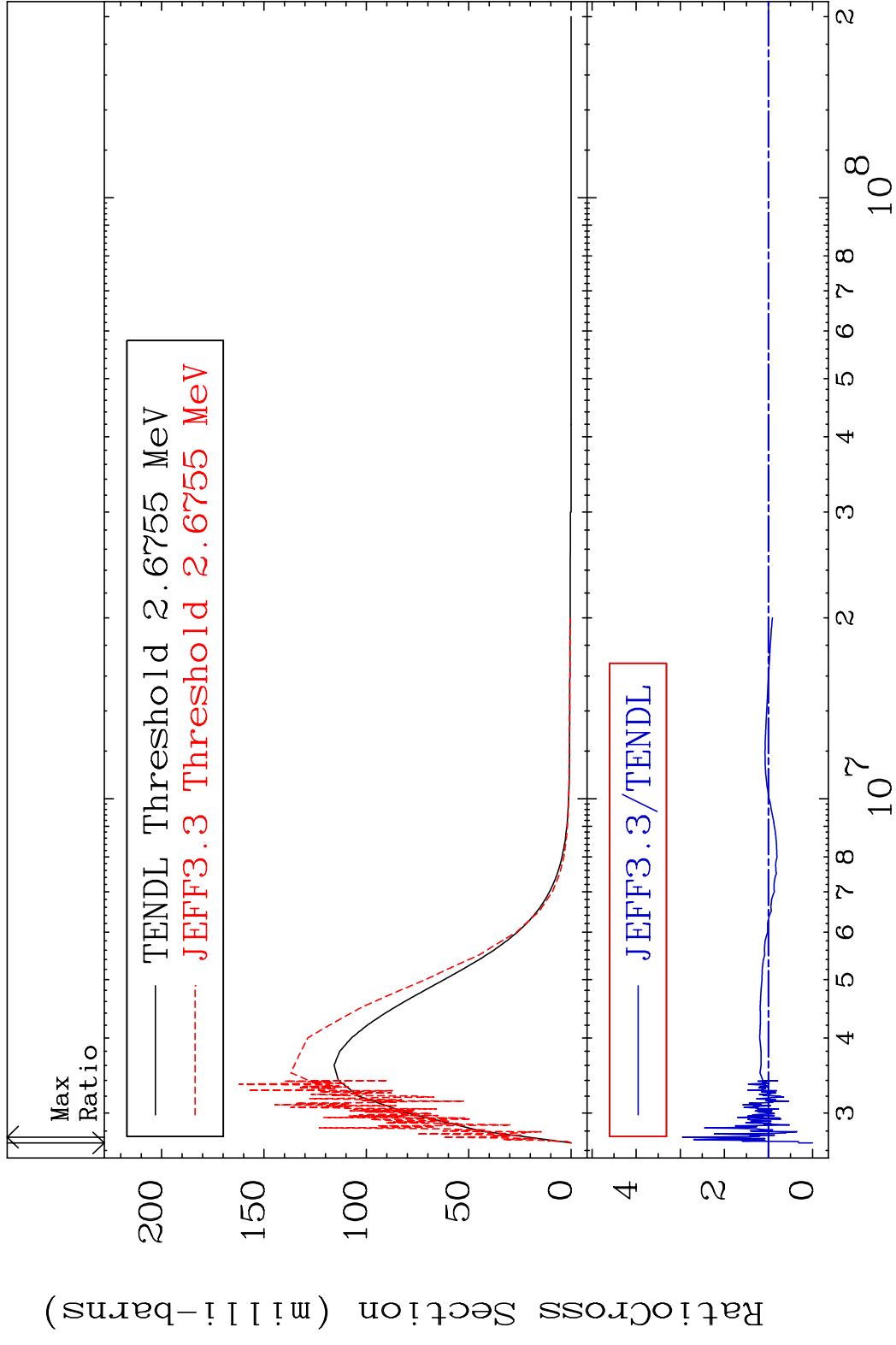
MAT 8234 MT= 54 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 879.2 %



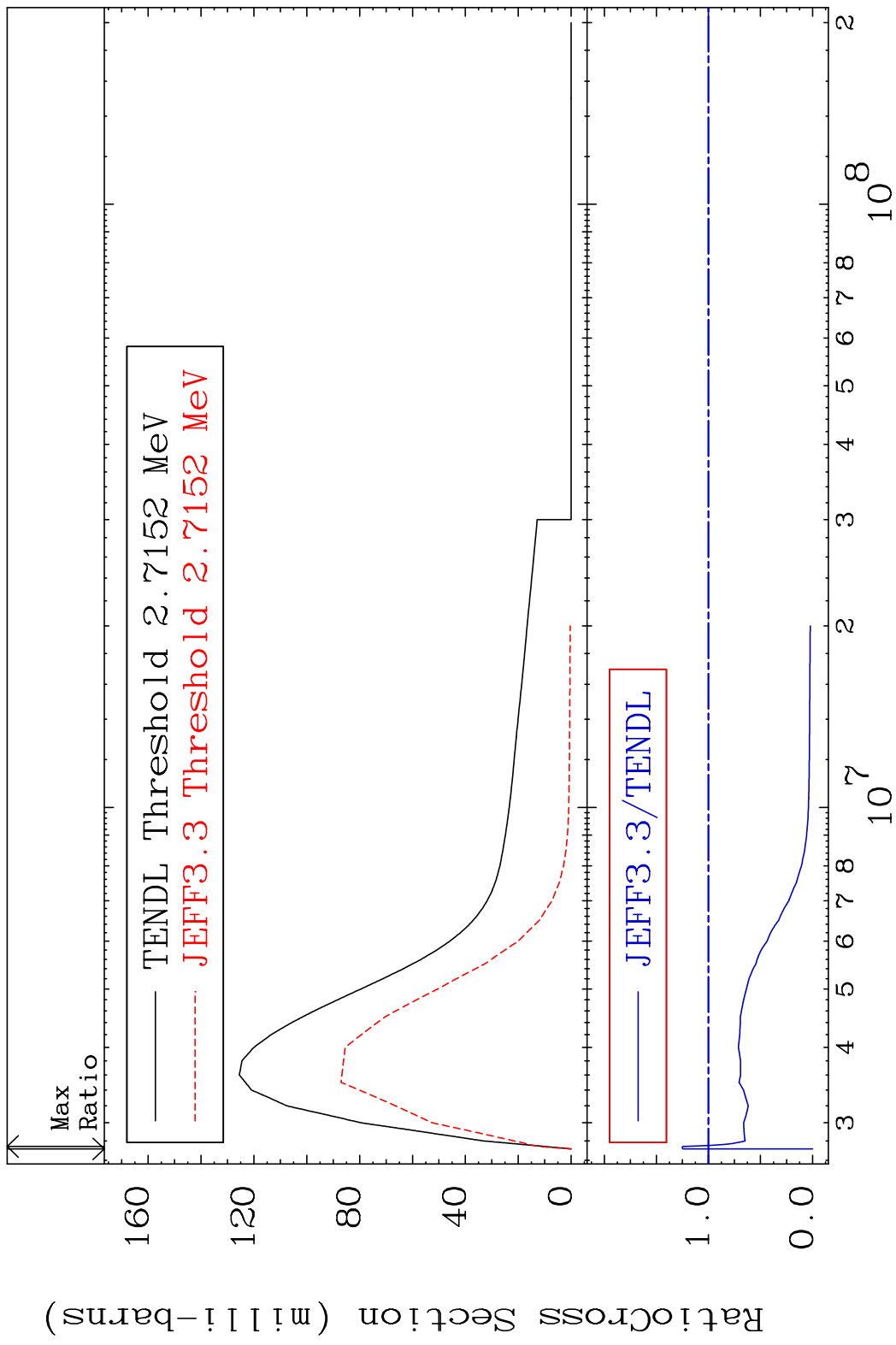
MAT 8234 MT= 55 (n,n') Level 82-Pb-207
 Cross Section -78.85 To 9999. %



MAT 8234 MT= 56 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 195.2 %

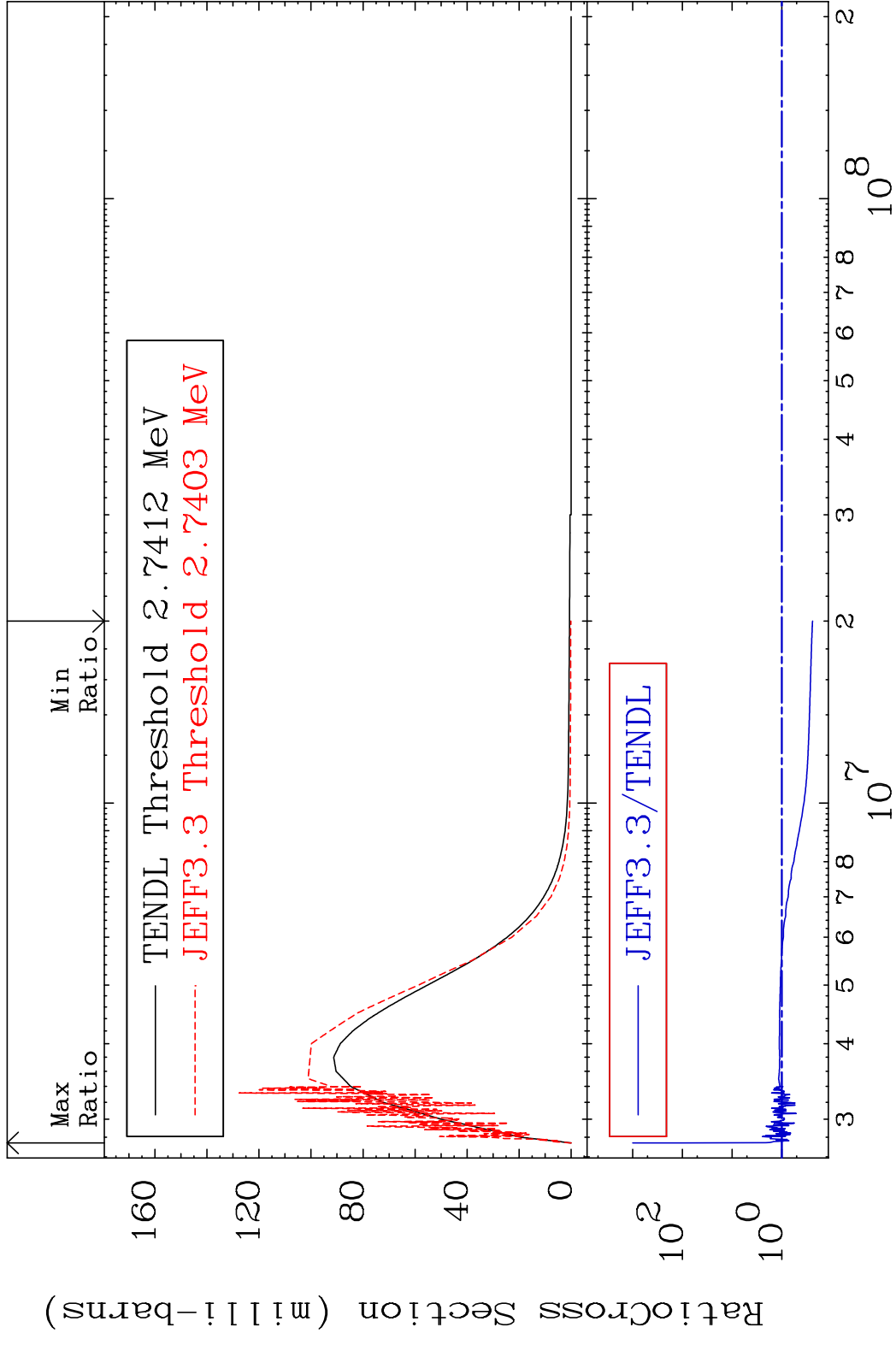


MAT 8234 MT= 57 (n, n') Level 82-Pb-207
 Cross Section -100.0 To 25.04 %



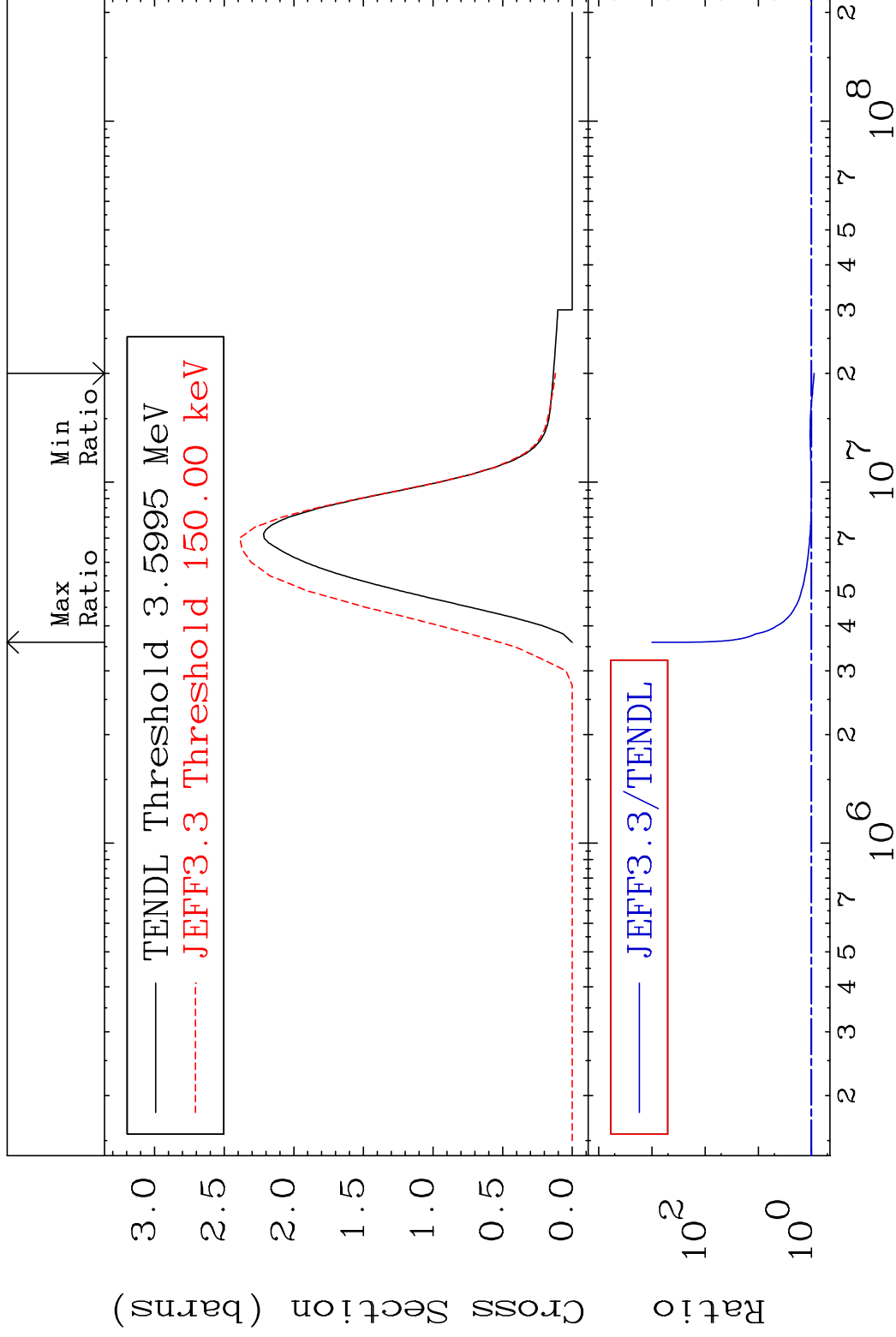
14 Incident Energy (eV) 82-Pb-207

MAT 8234 MT= 58 (n, n') Level 82-Pb-207
 Cross Section -76.01 To 9895. %



MAT 8234

(n,n') Continuum 82-Pb-207
Cross Section -10.73 To 9999. %



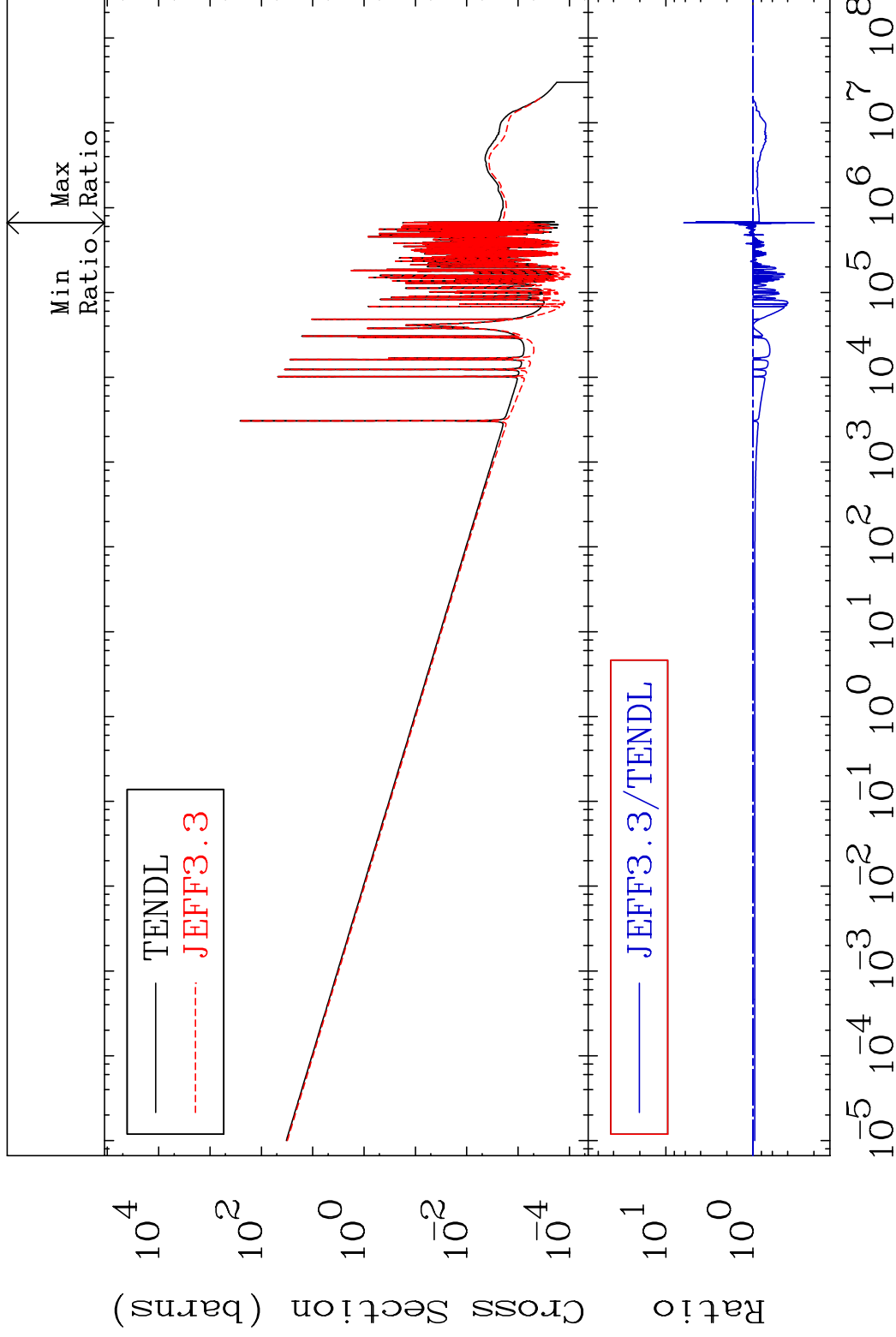
MAT 8234

(n, γ)

82-Pb-207

Cross Section

-80.13 To 525.7 %



17

Incident Energy (eV)

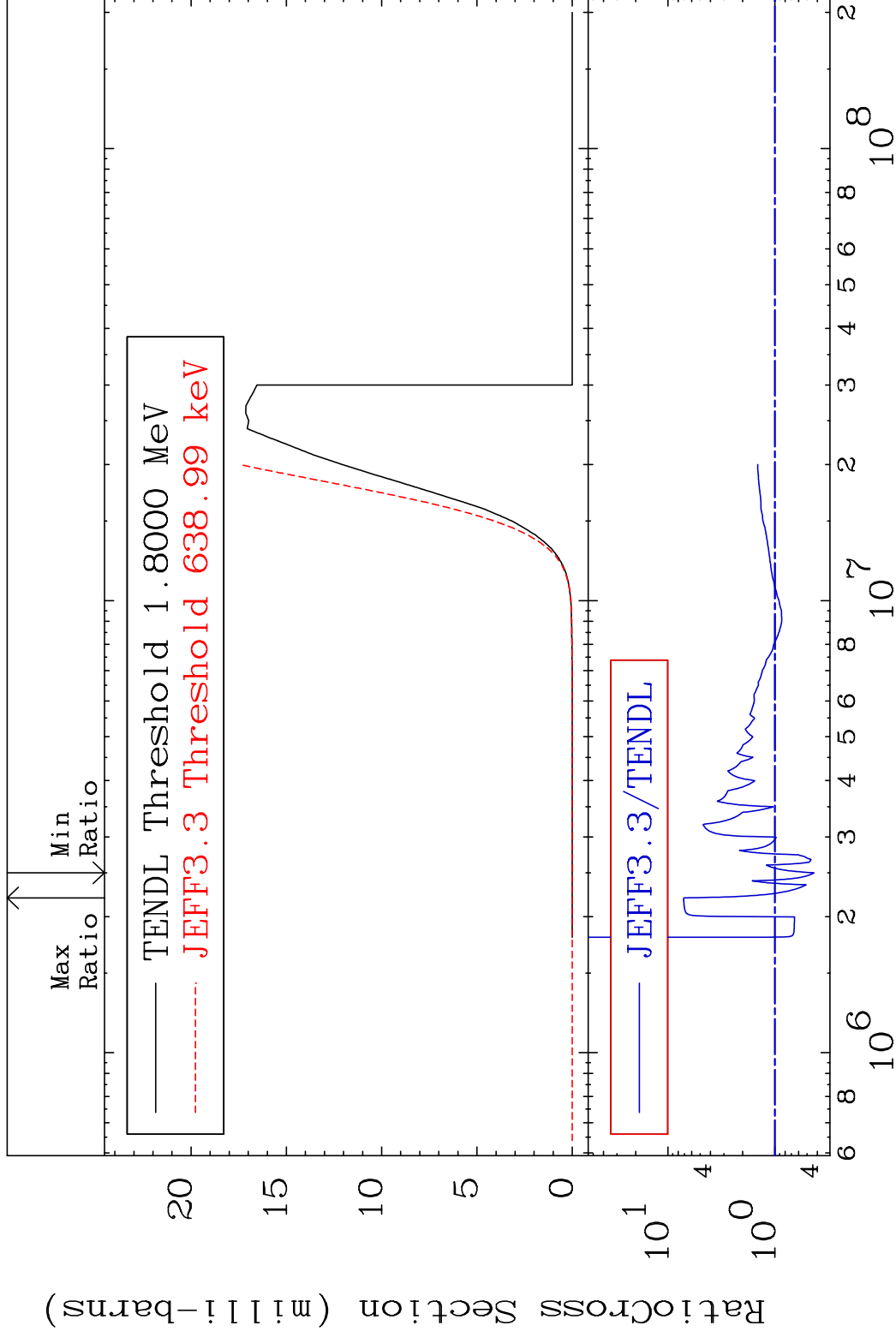
82-Pb-207

MAT 8234

(n, p)

82-Pb-207

Cross Section -57.06 To 612.2 %



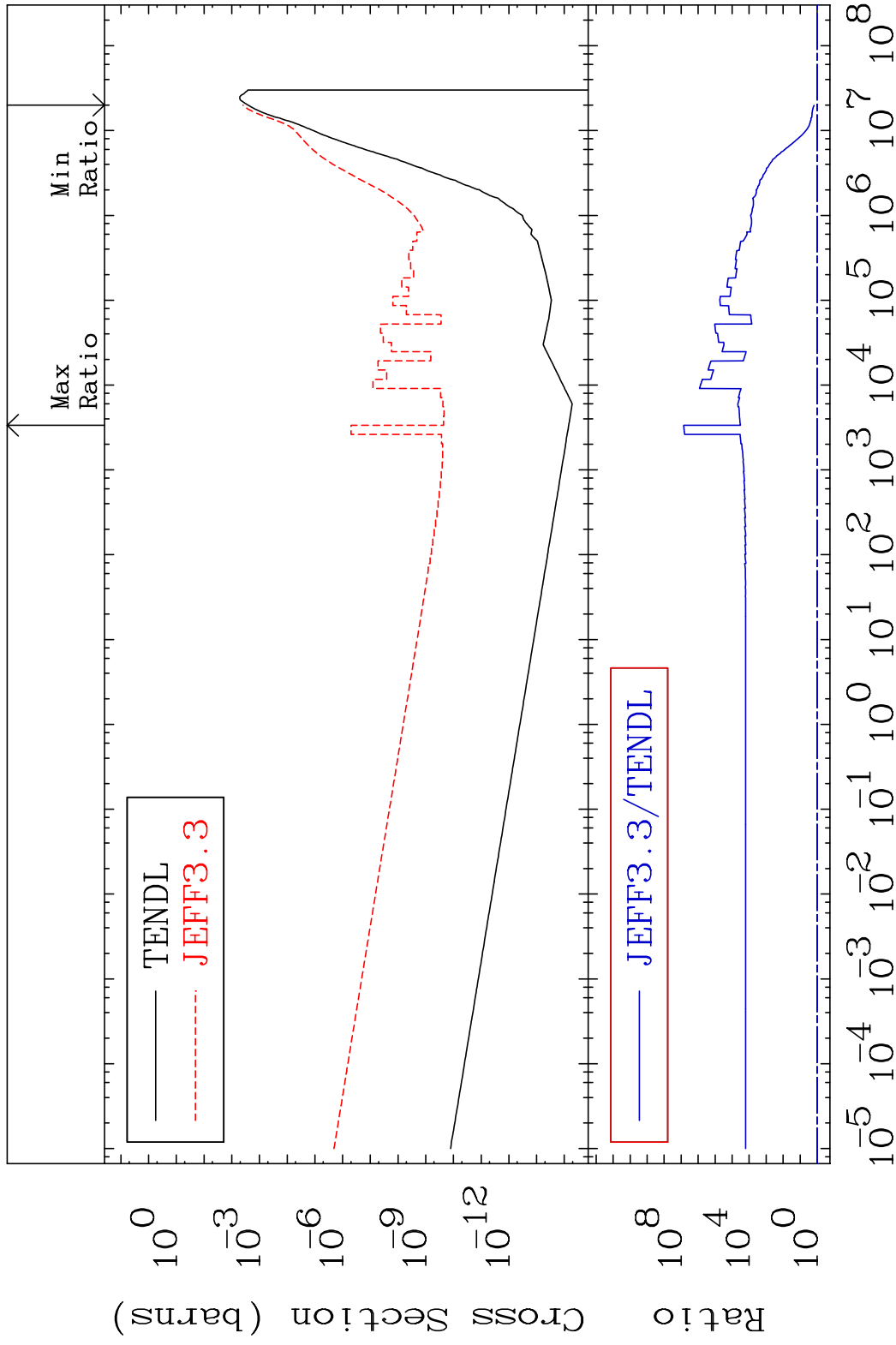
18

Incident Energy (eV)

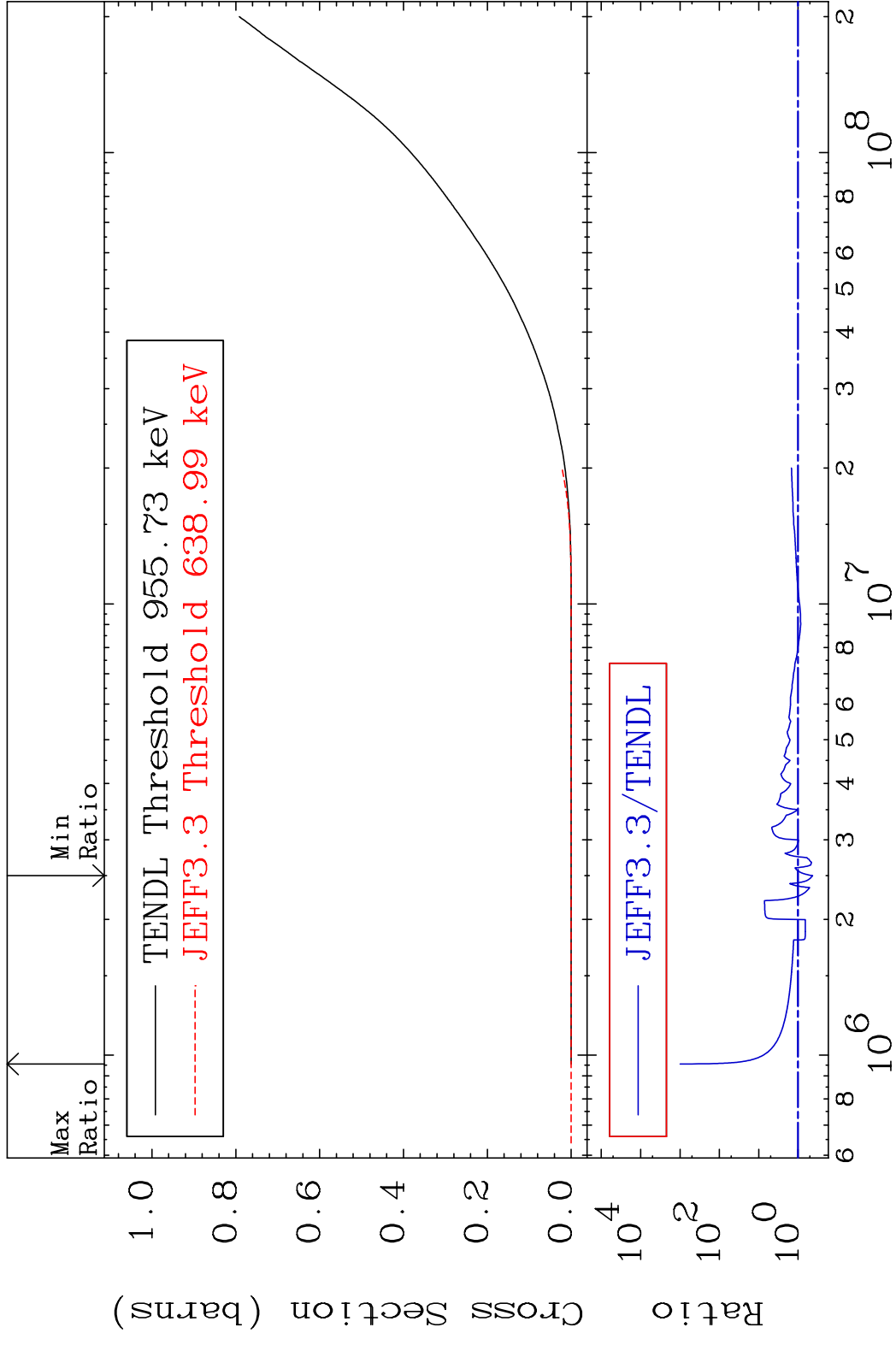
82-Pb-207

MAT 8234

(n, α)
Cross Section 50.05 To 9999. %
82-Pb-207



MAT 8234 Hydrogen Production 82-Pb-207
 Cross Section -57.06 To 9999. %

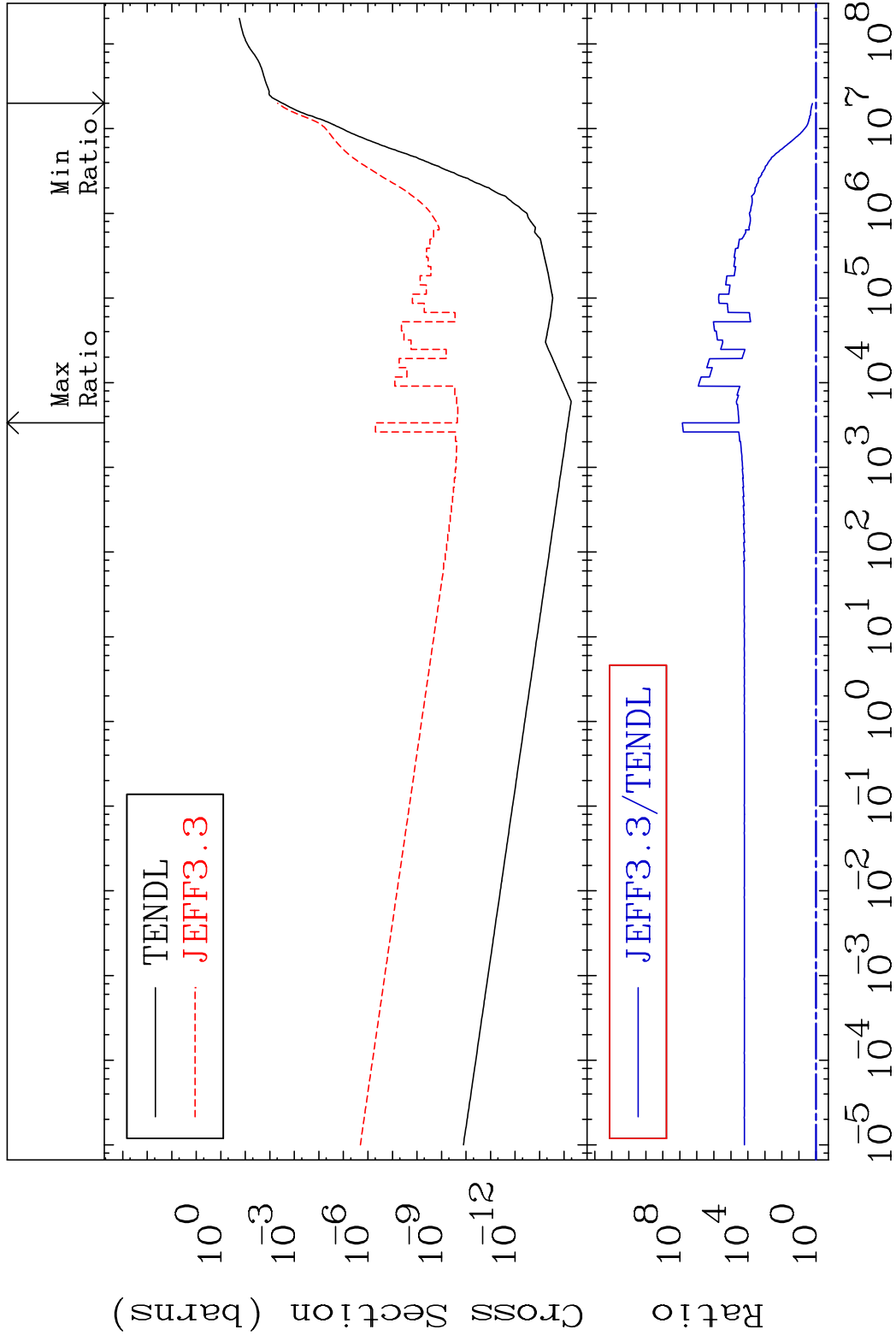


MAT 8234

He-4 Production

82-Pb-207

Cross Section 58.04 To 9999. %

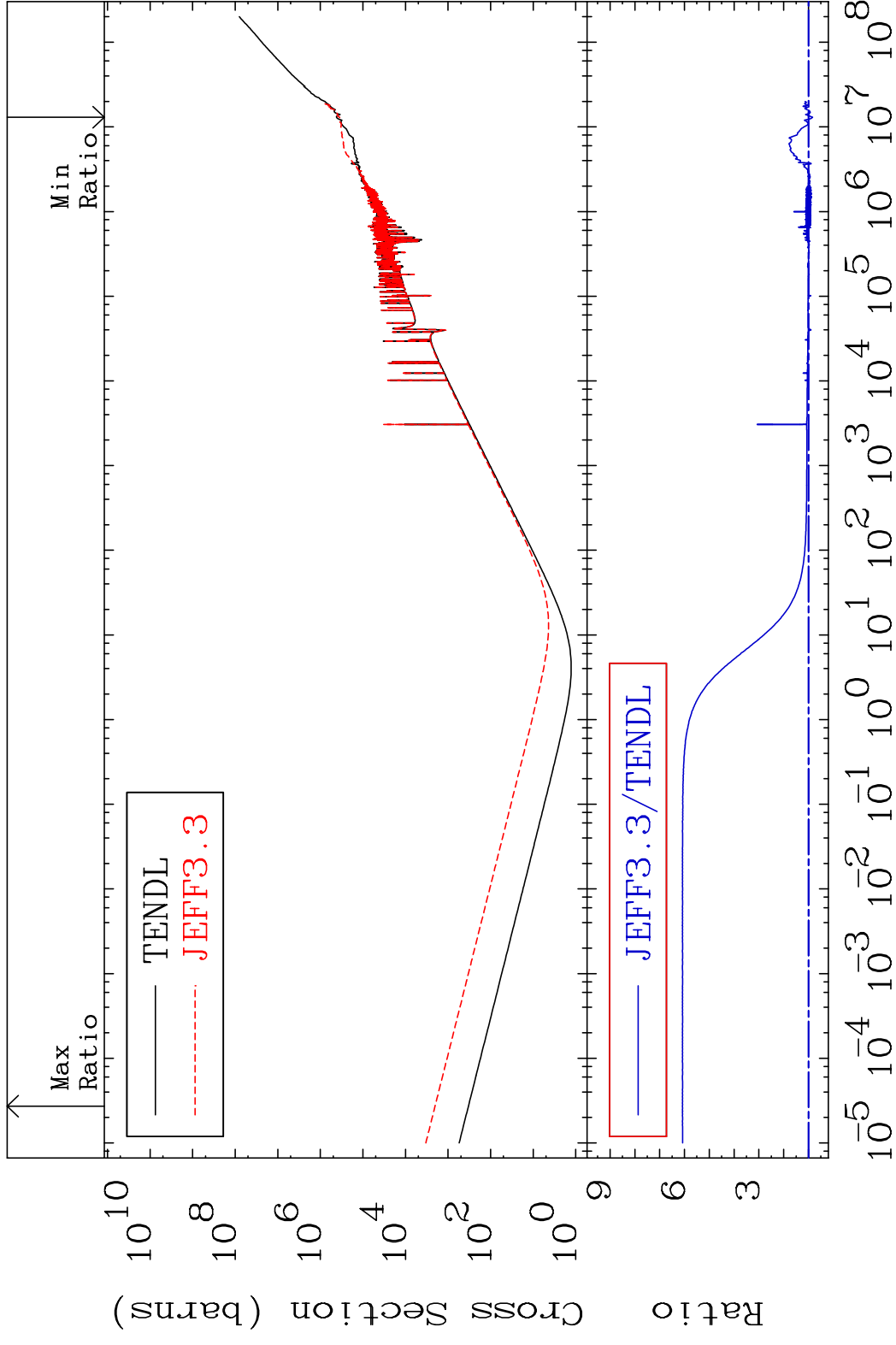


21

Incident Energy (eV)

82-Pb-207

MAT 8234 Kerma total (eV-barns) 82-Pb-207
 Cross Section -16.36 To 508.5 %

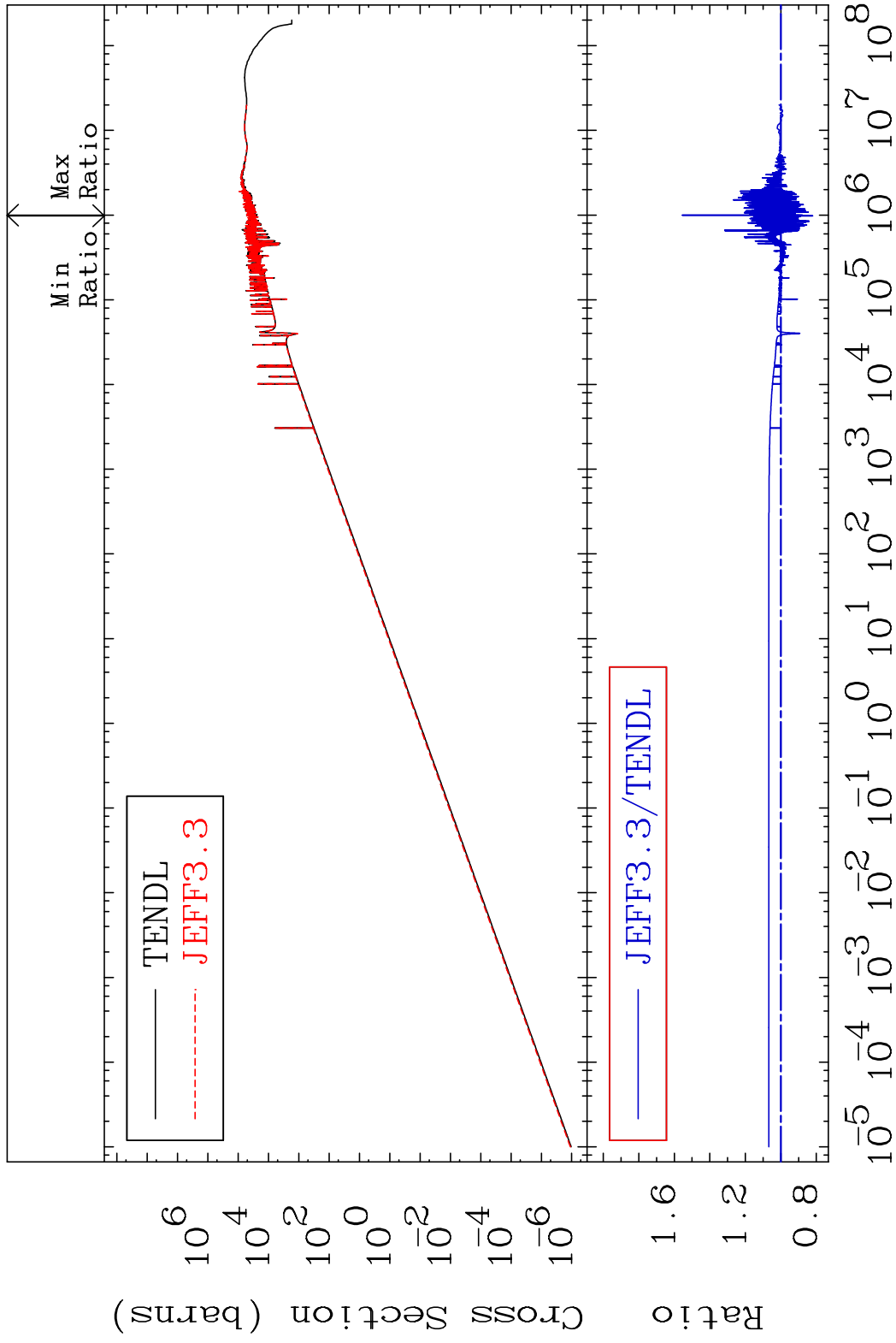


22 Incident Energy (eV) 82-Pb-207

MAT 8234

Kerma elastic
Cross Section

82-Pb-207
-17.86 To 55.48 %

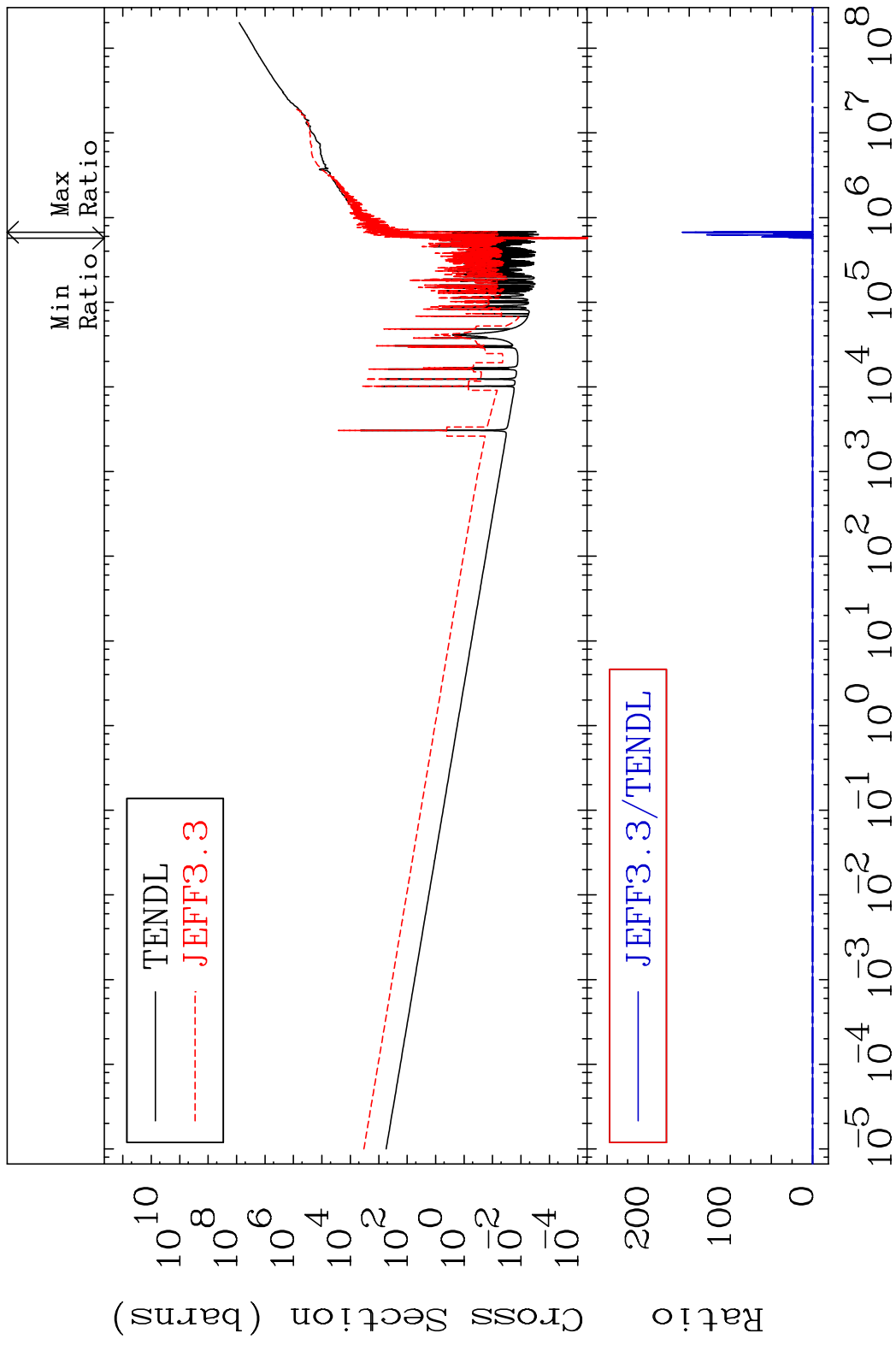


23

Incident Energy (eV)

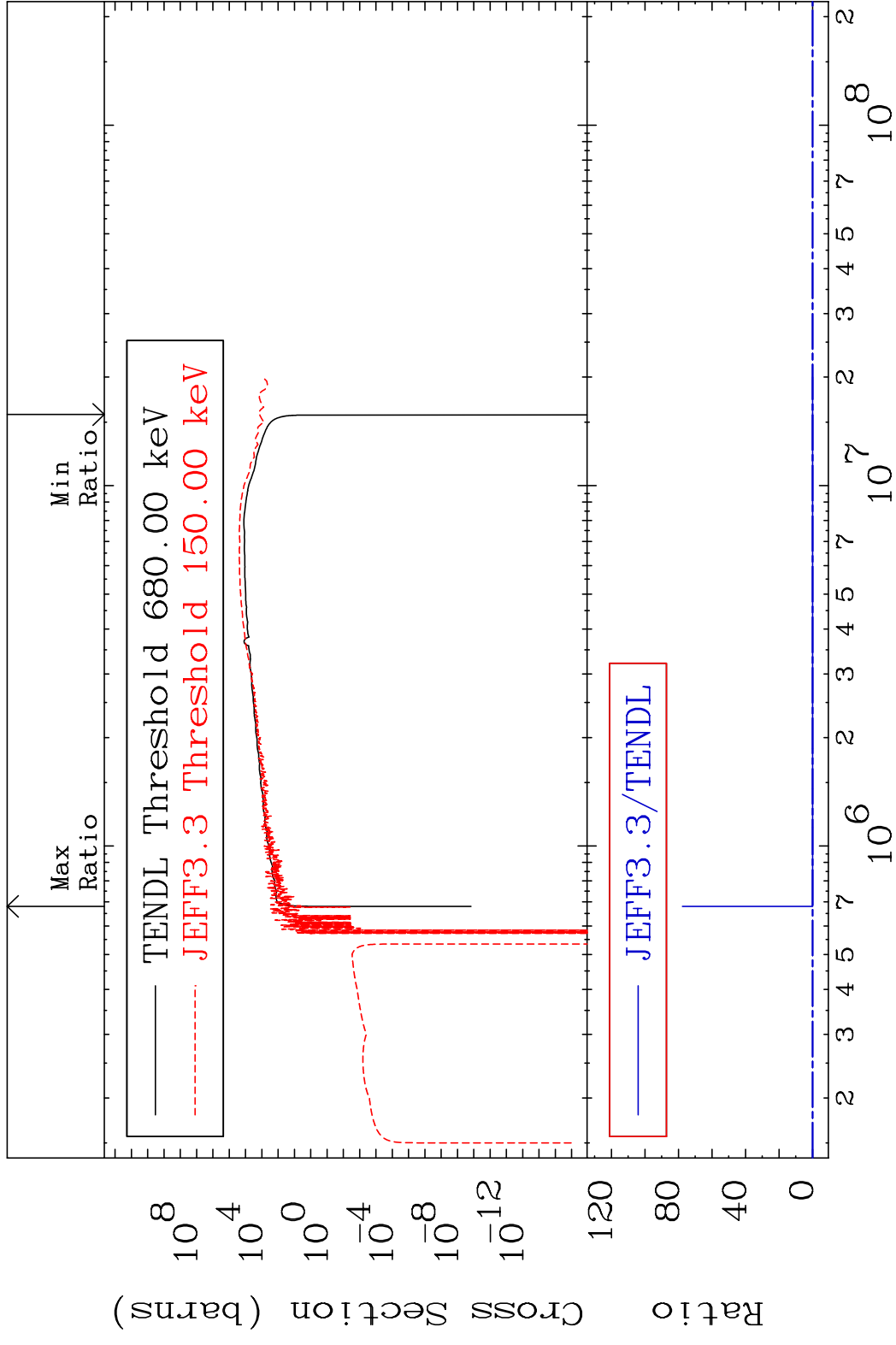
82-Pb-207

MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
 Cross Section -1329. To 9999. %

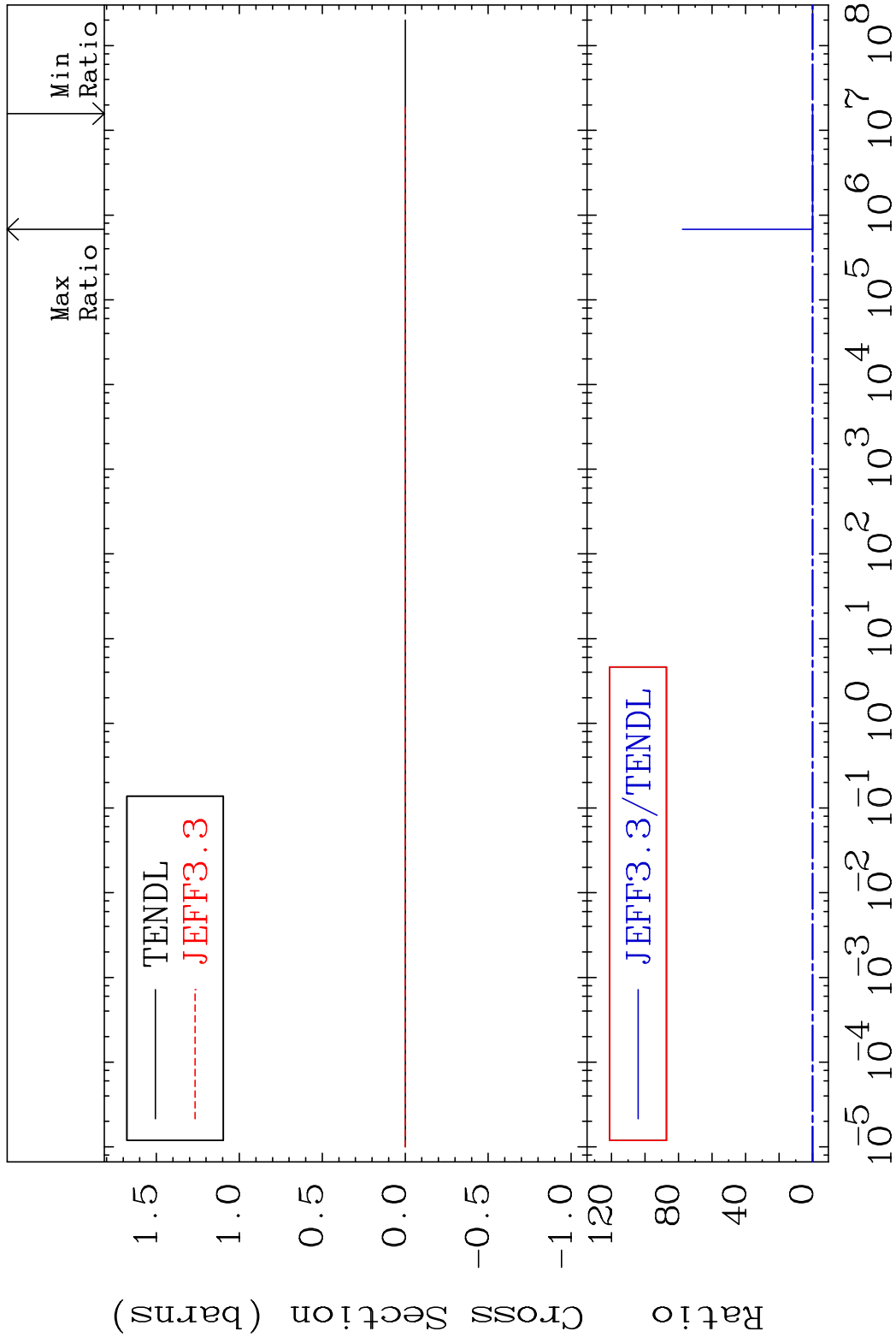


24 Incident Energy (eV) 82-Pb-207

MAT 8234 Kerma inelastic (mt51-91) 82-Pb-207
 Cross Section -8256. To 9999. %



MAT 8234 Kerma fission (mt18 or mt19-20-21-38)82-Pb-207
 Cross Section -8256. To 9999. %



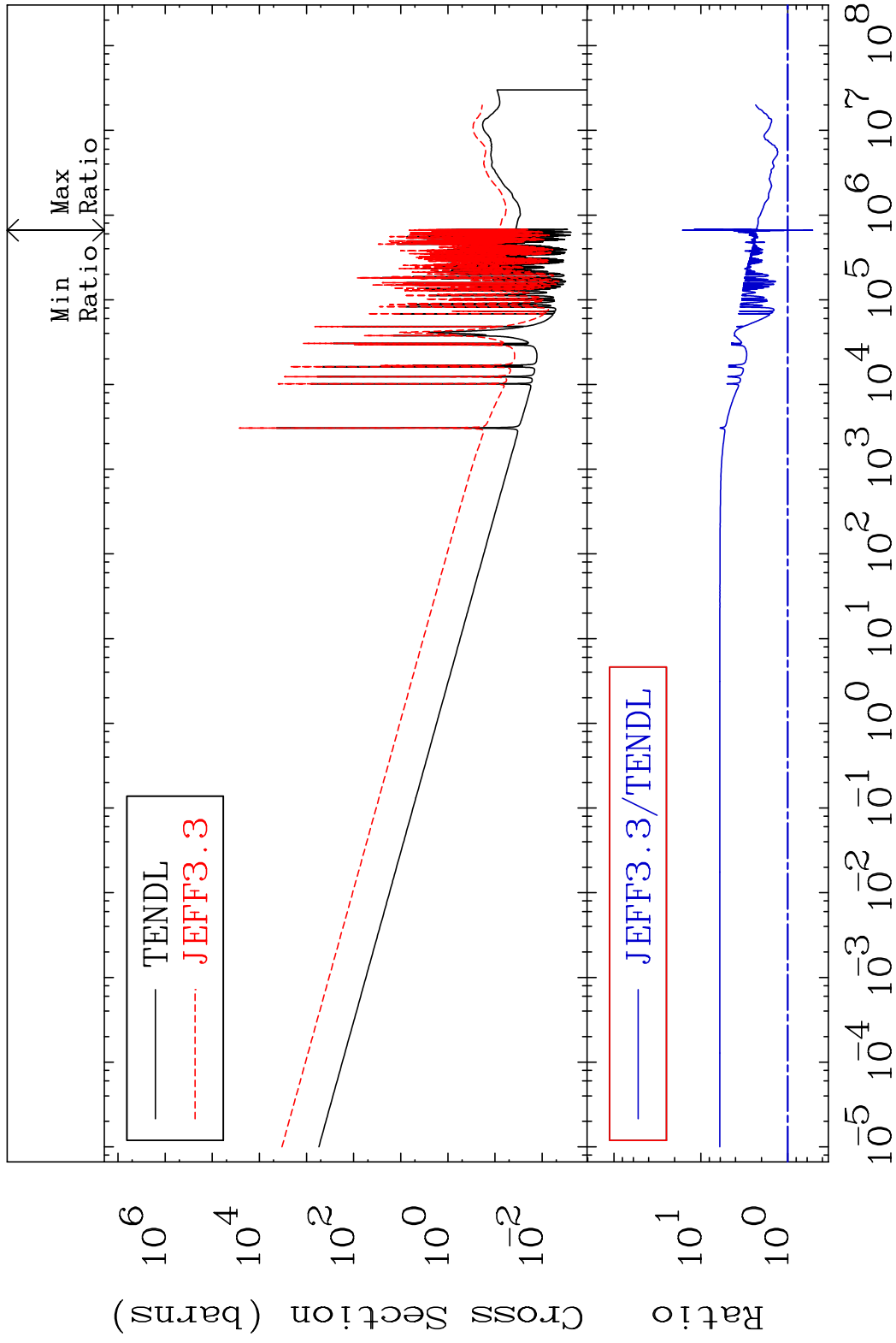
MAT 8234

Kerma capture (mt102)

82-Pb-207

Cross Section

-48.16 To 1534. %



27

Incident Energy (eV)

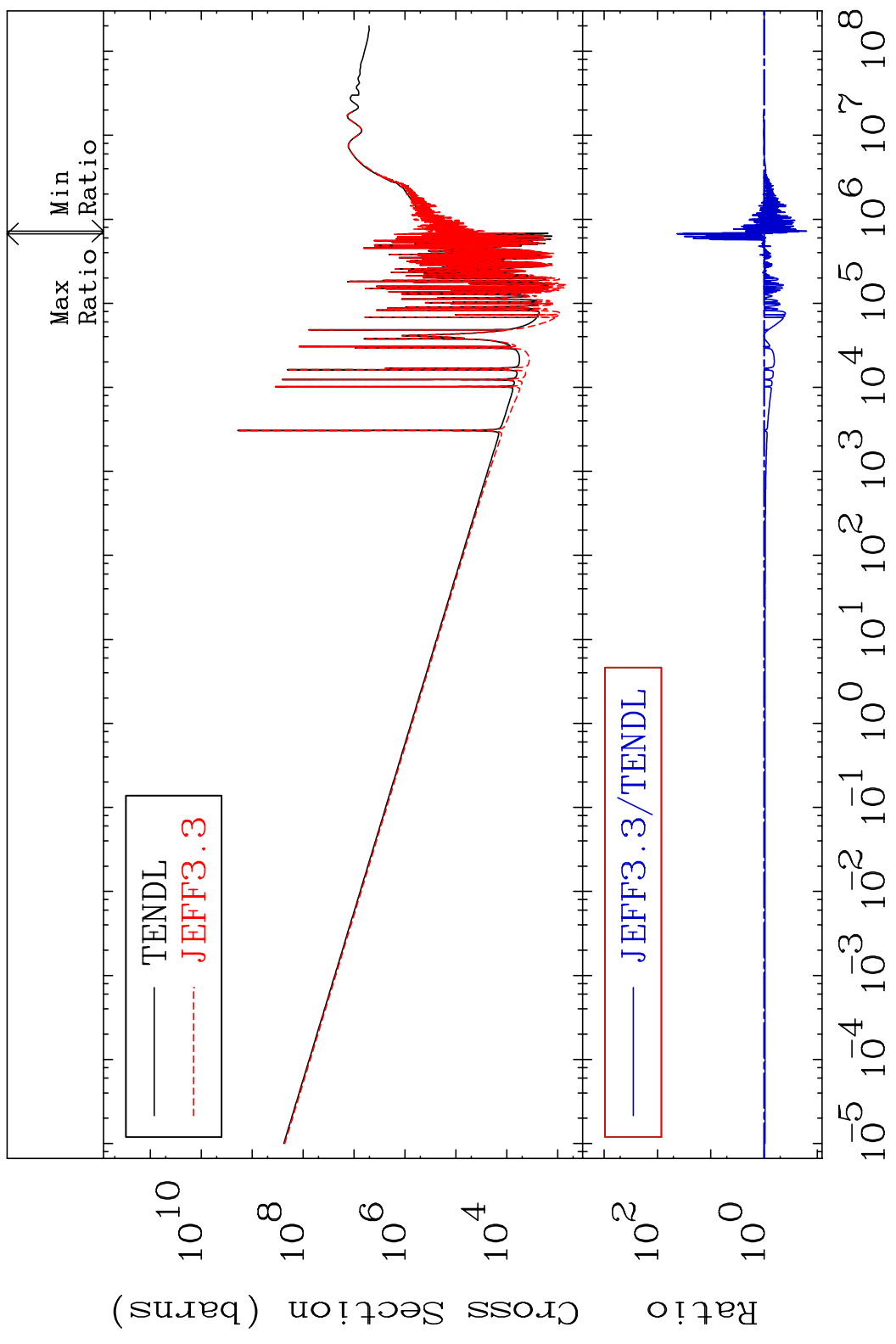
82-Pb-207

MAT 8234

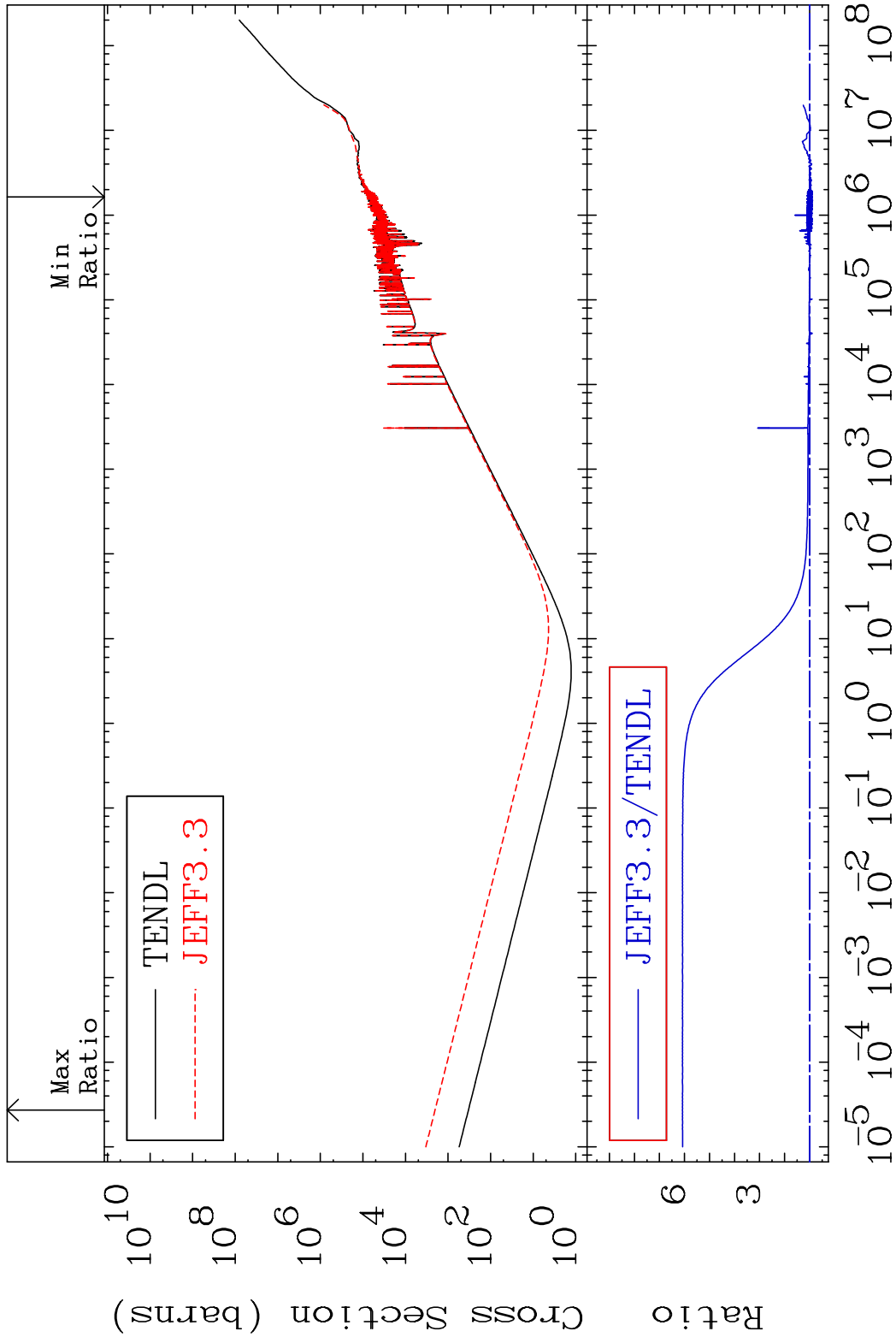
Total photon (eV-barns)

82-Pb-207

Cross Section -83.94 To 4161. %



MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
 Cross Section -11.68 To 508.5 %

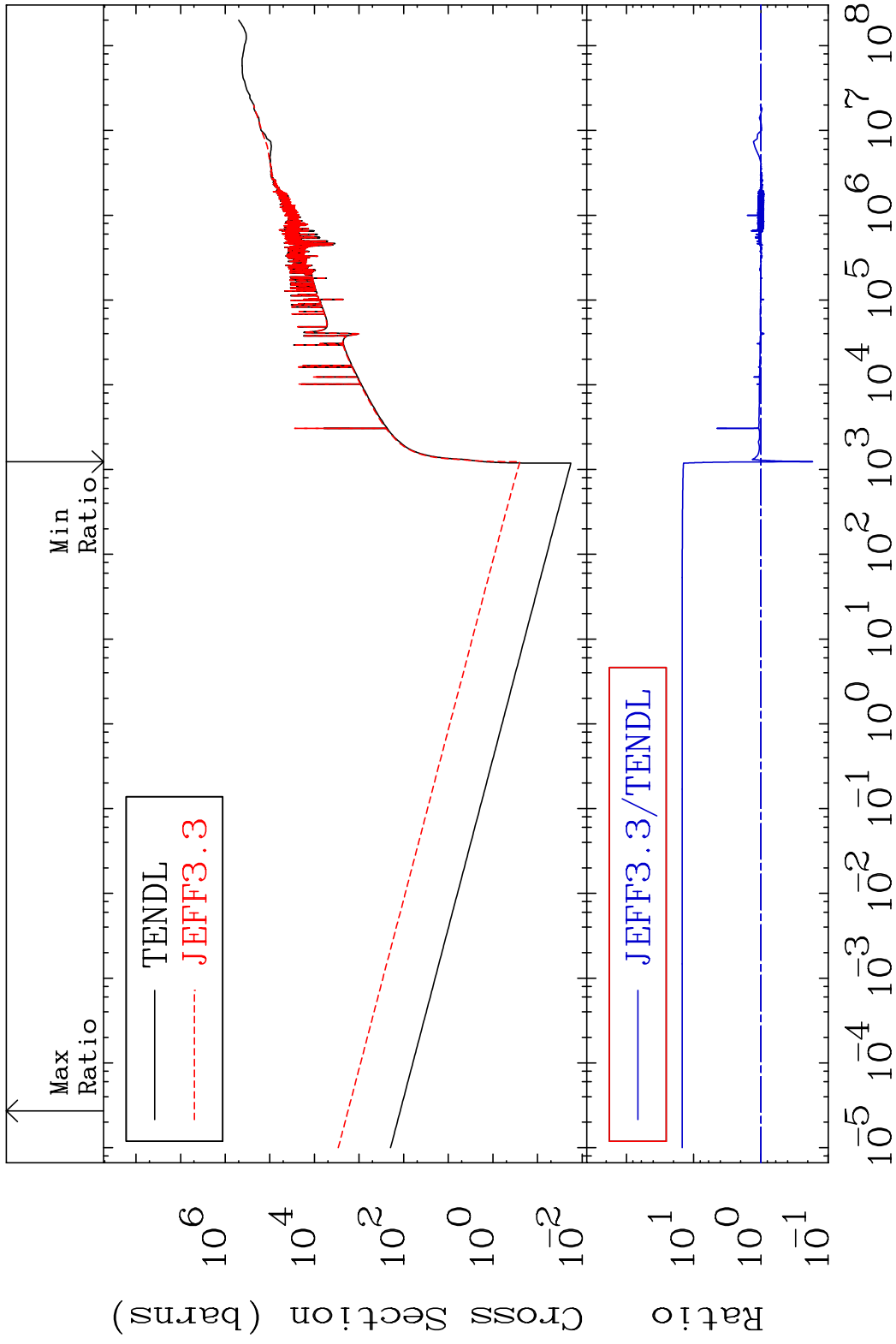


MAT 8234

Dpa total (eV-barns)

82-Pb-207

Cross Section -82.95 To 1383. %



30

Incident Energy (eV)

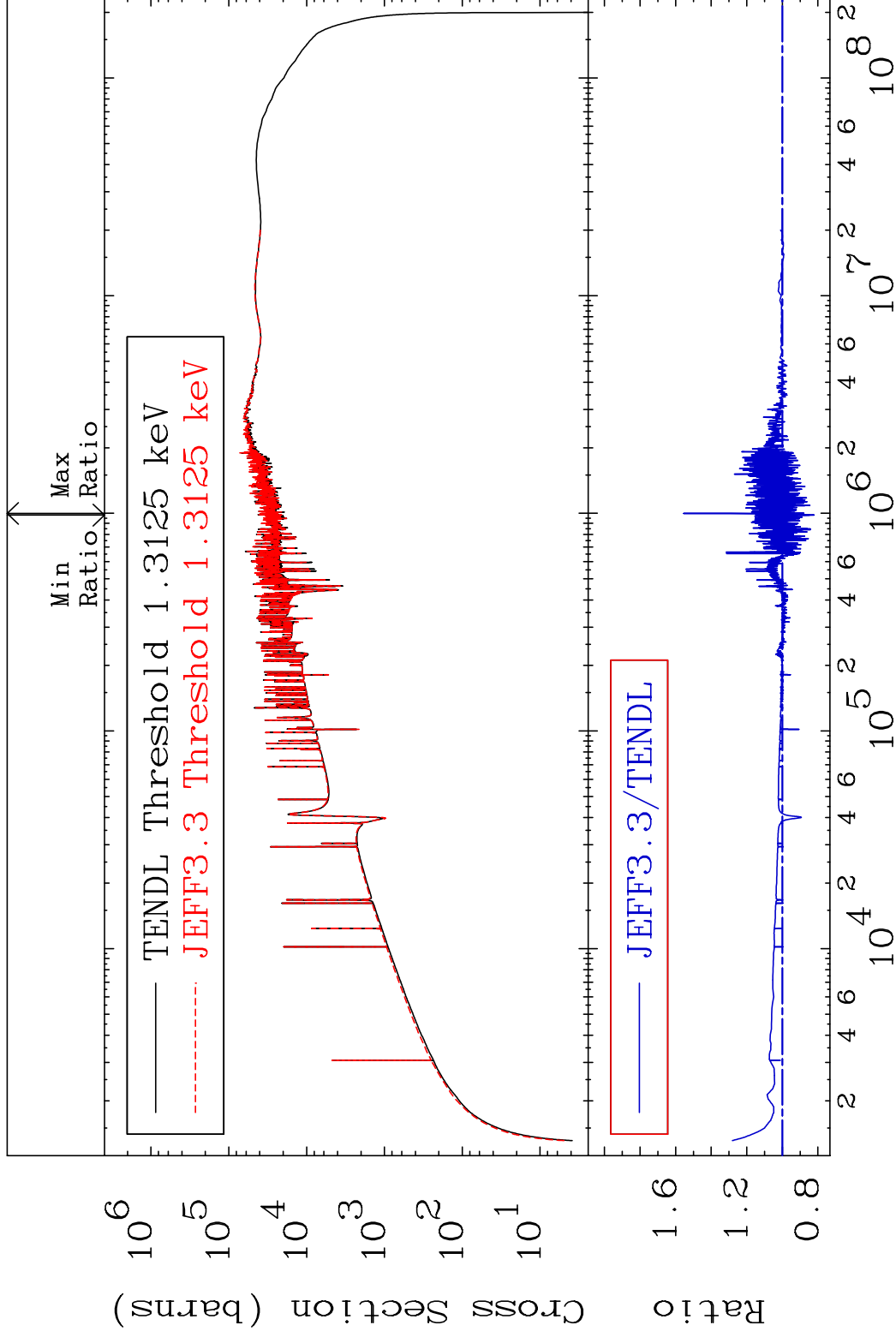
82-Pb-207

MAT 8234

Dpa elastic (mt2)

82-Pb-207

Cross Section -17.87 To 55.48 %

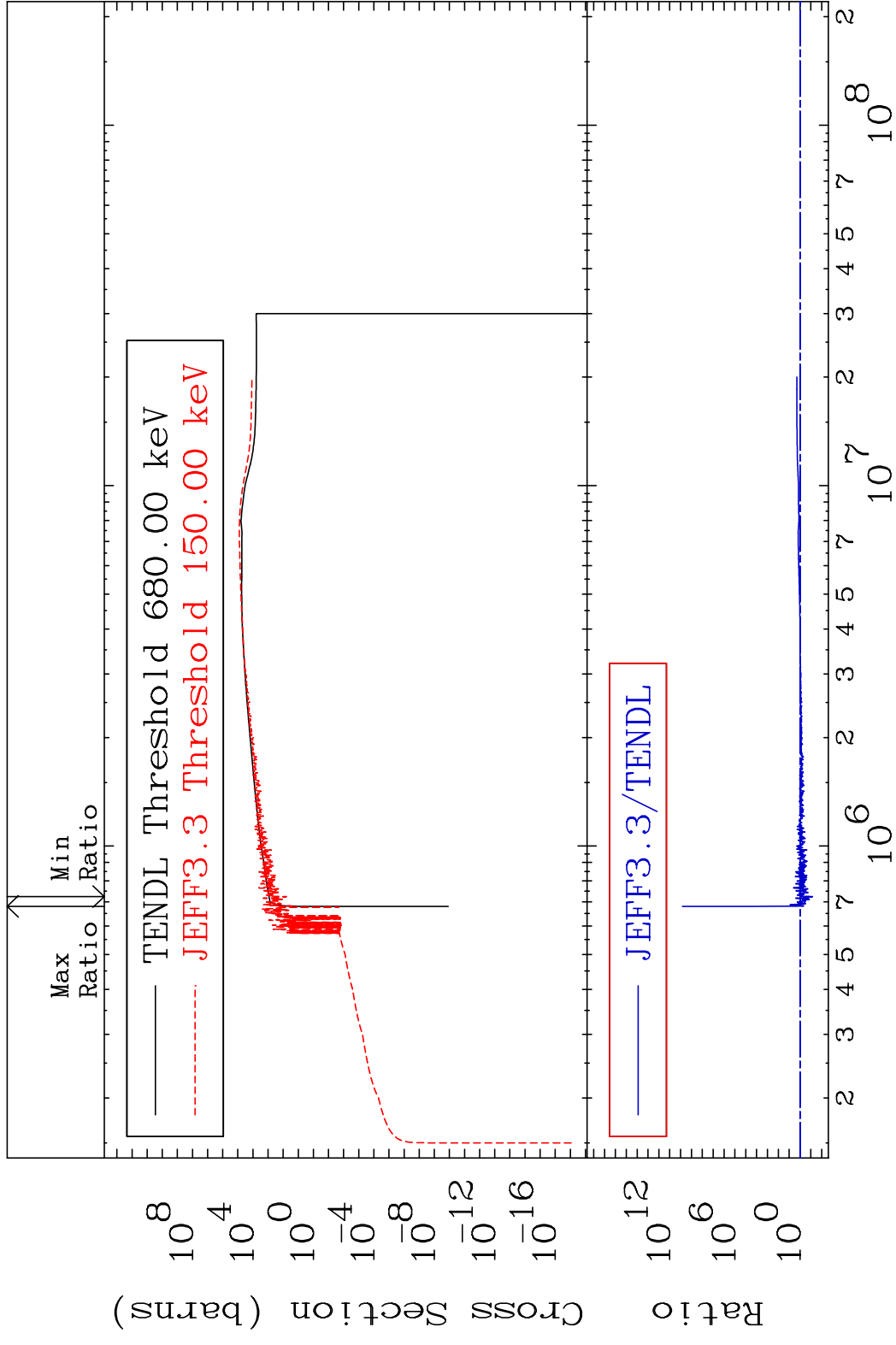


31

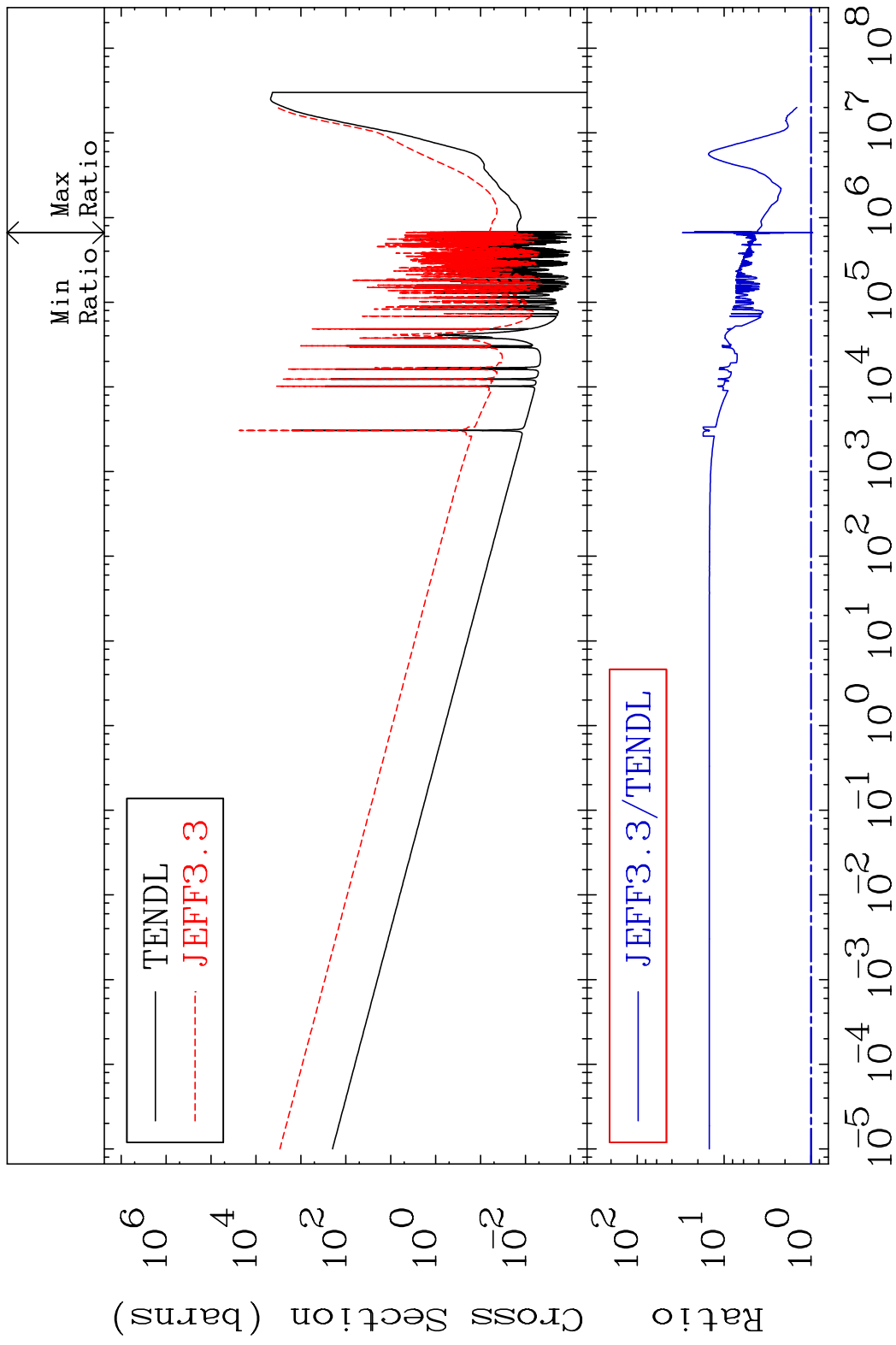
Incident Energy (eV)

82-Pb-207

MAT 8234 Dpa inelastic (mt51-91) 82-Pb-207
 Cross Section -92.98 To 9999. %



MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
 Cross Section -3.795 To 2927. %



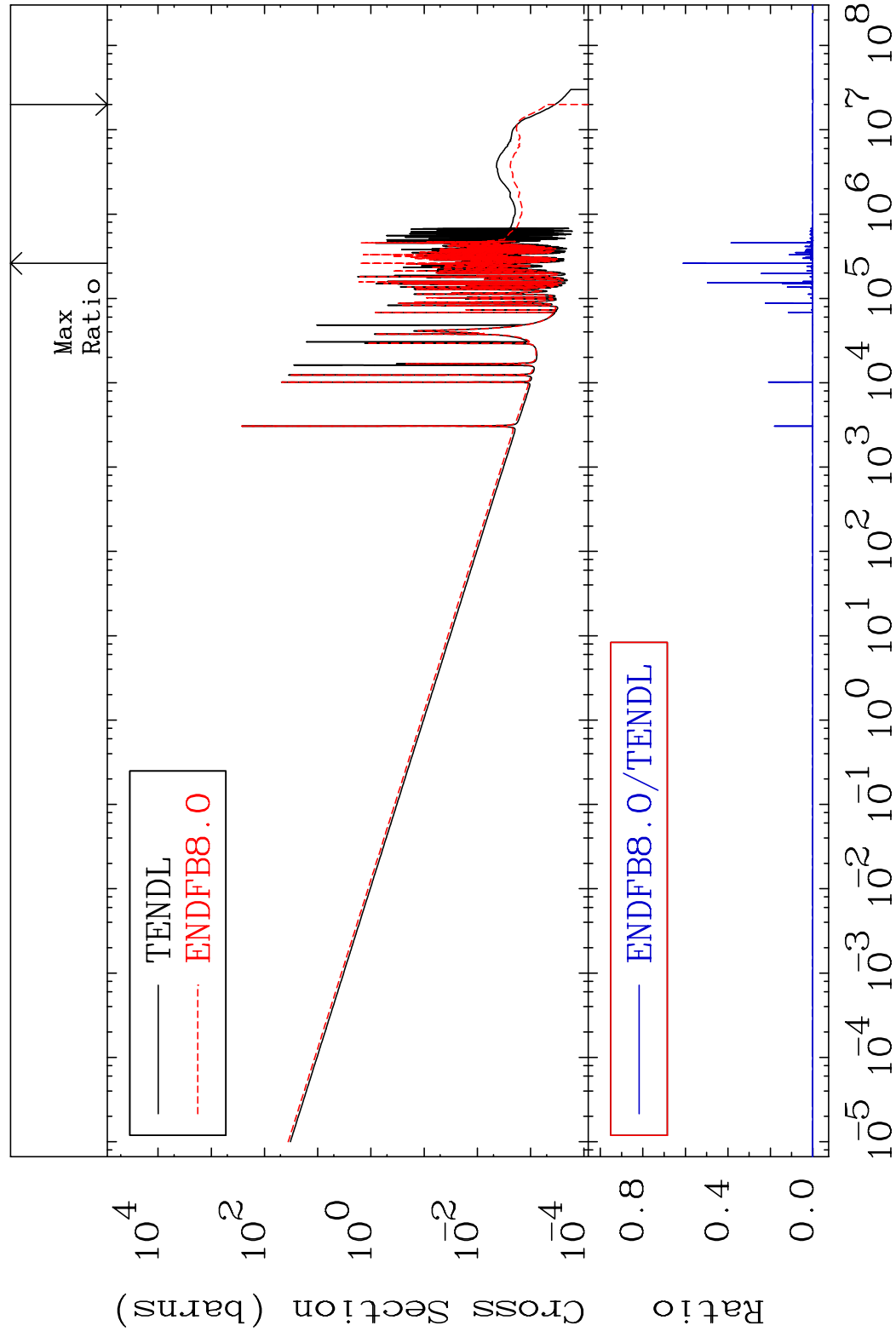
33 Incident Energy (eV) 82-Pb-207

MAT 8234

(n, γ)

82-Pb-207

Cross Section -100.0 To 9999. %

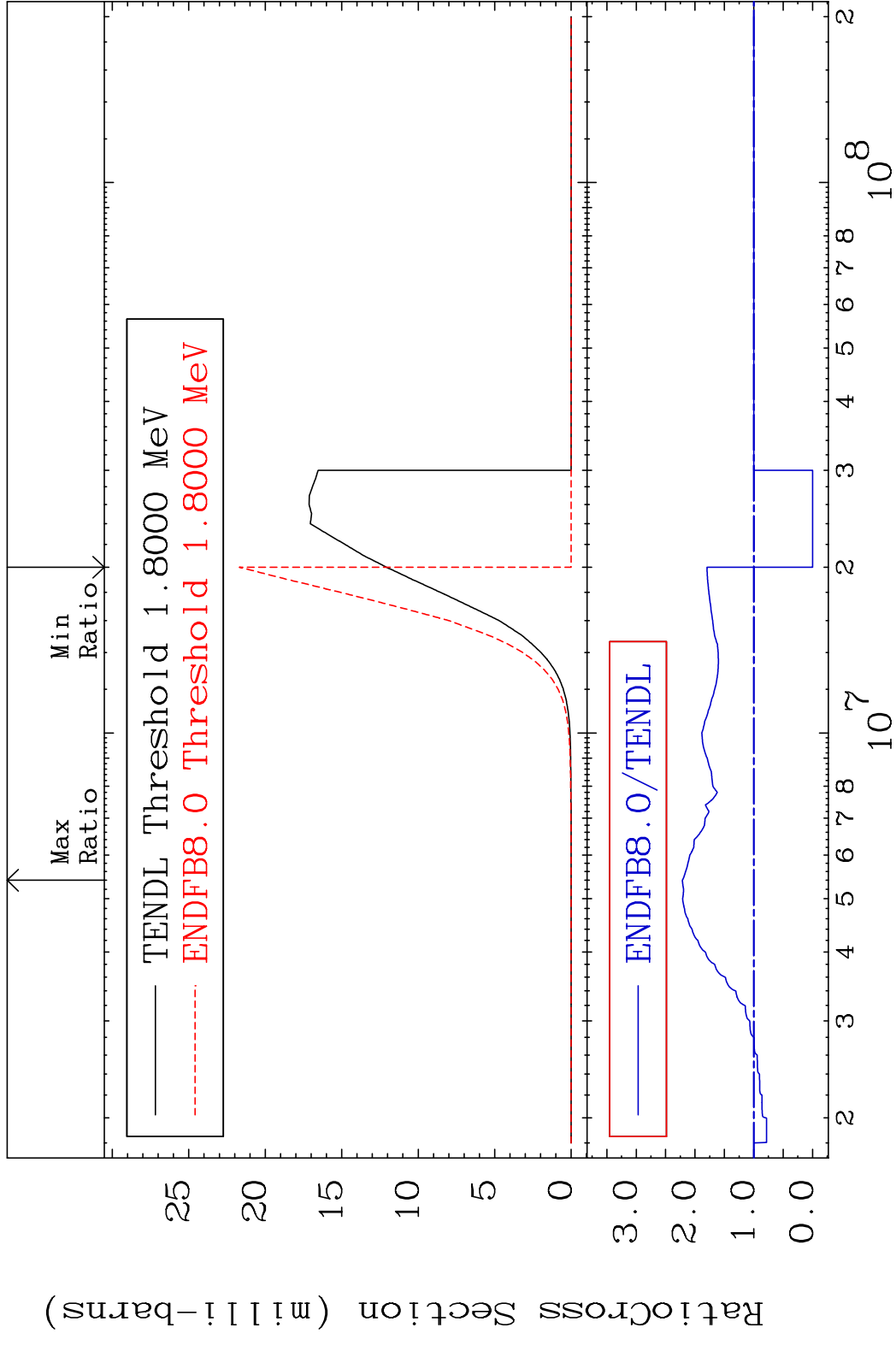


34

Incident Energy (eV)

82-Pb-207

MAT 8234 (n,p) 82-Pb-207
 Cross Section -100.0 To 121.5 %

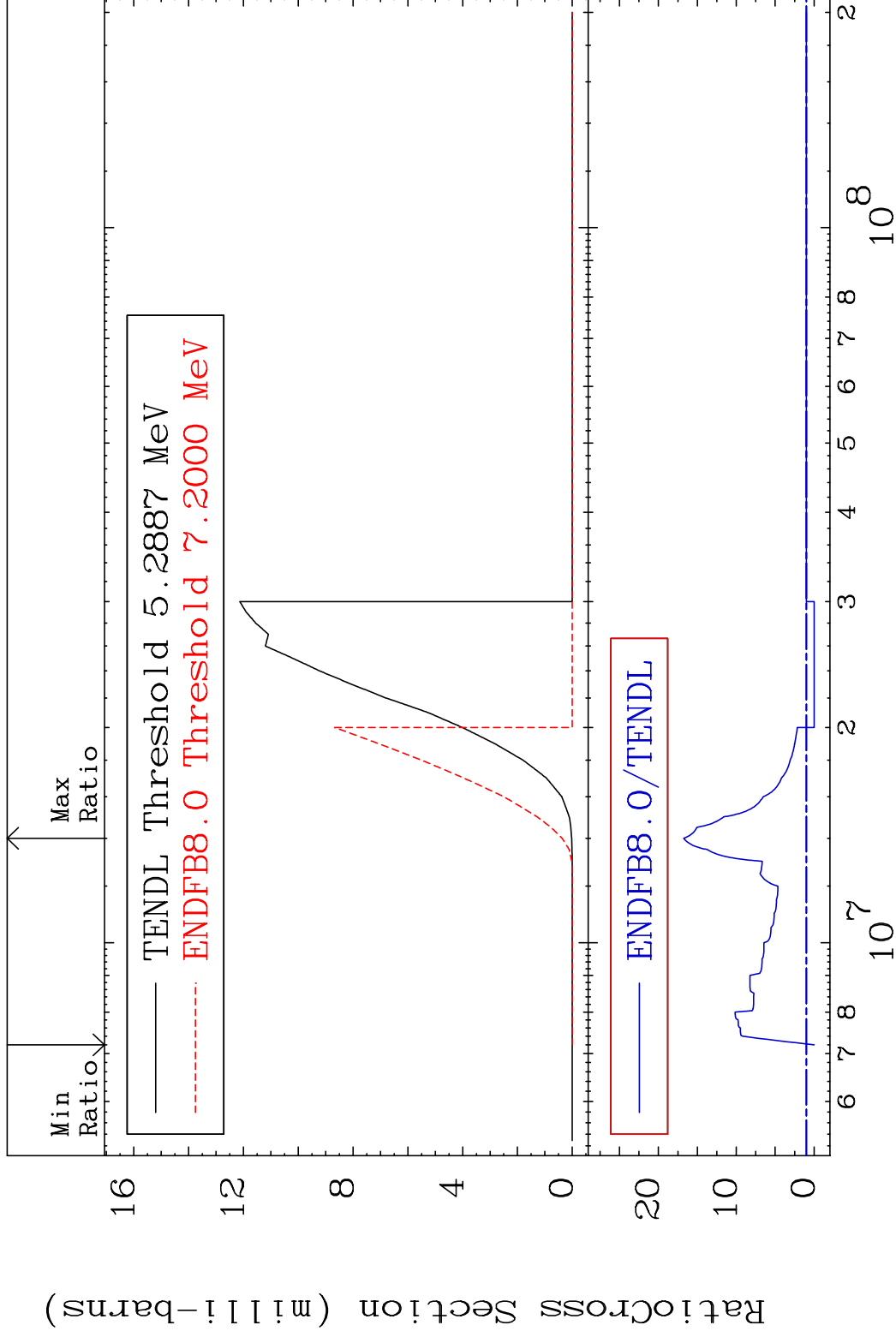


MAT 8234

(n,d)

82-Pb-207

Cross Section -100.0 To 1576. %



36

Incident Energy (eV)

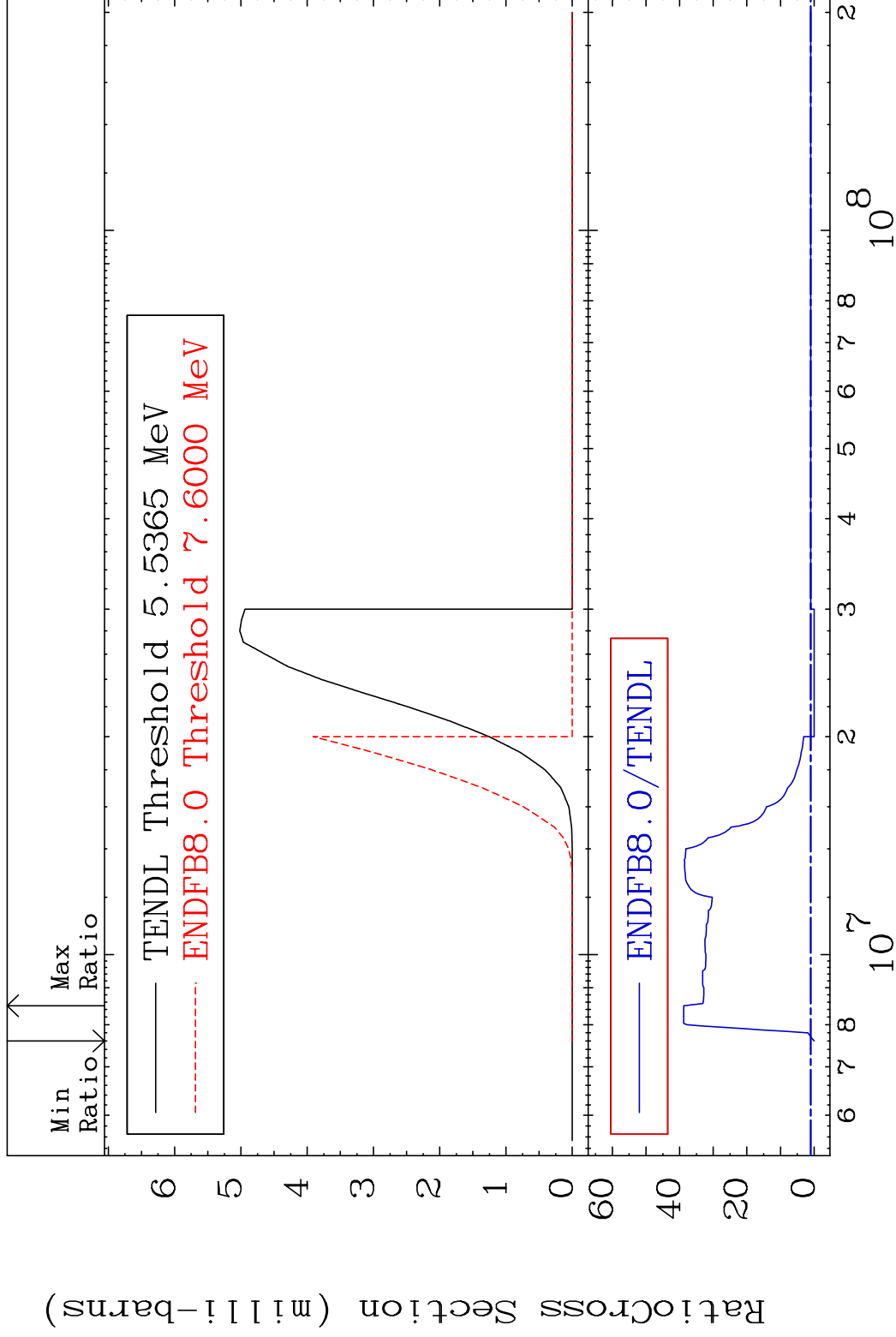
82-Pb-207

MAT 8234

(n, t)

82-Pb-207

Cross Section -100.0 To 3779. %



37

Incident Energy (eV)

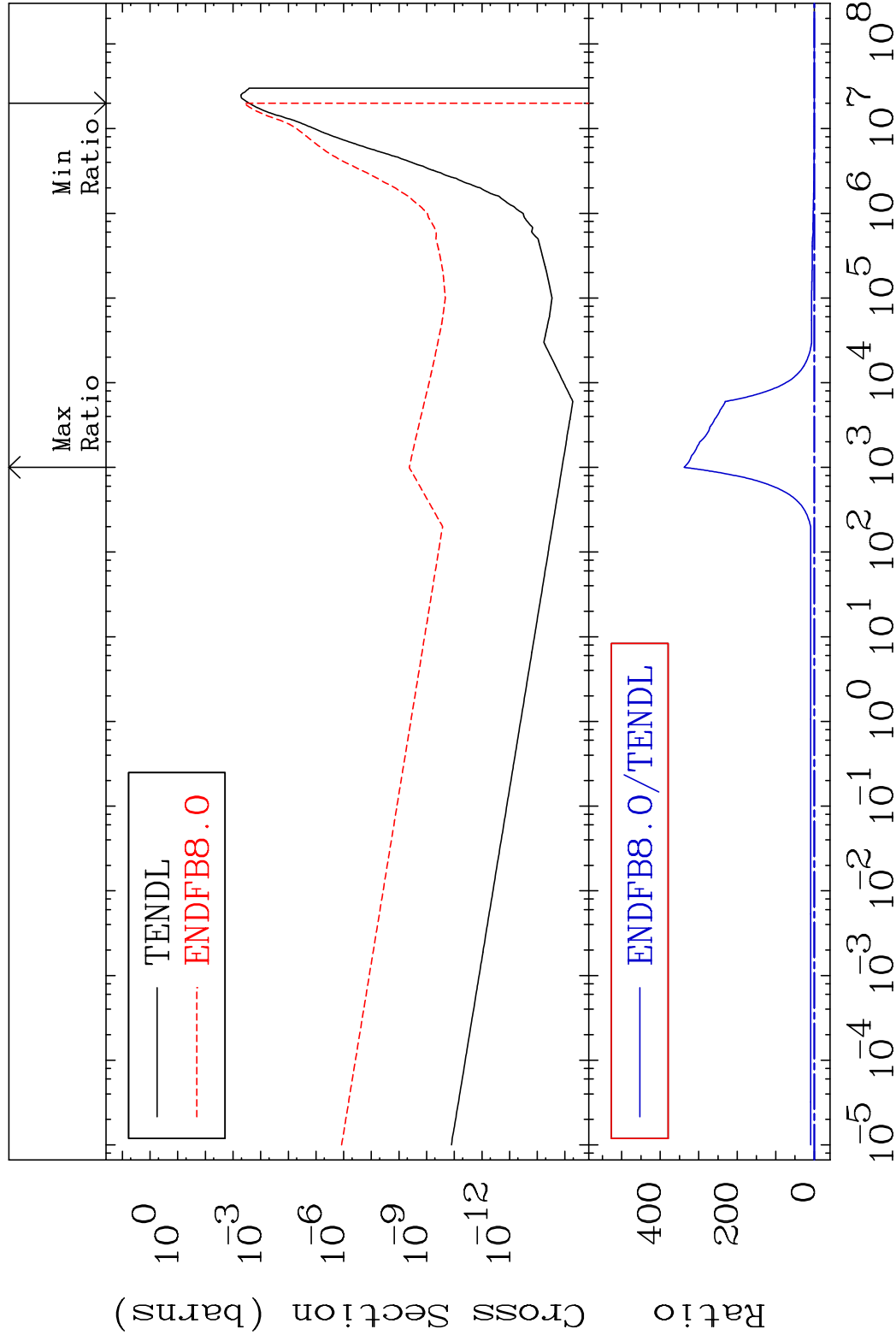
82-Pb-207

MAT 8234

(n, α)

82-Pb-207

Cross Section -100.0 To 9999. %



38

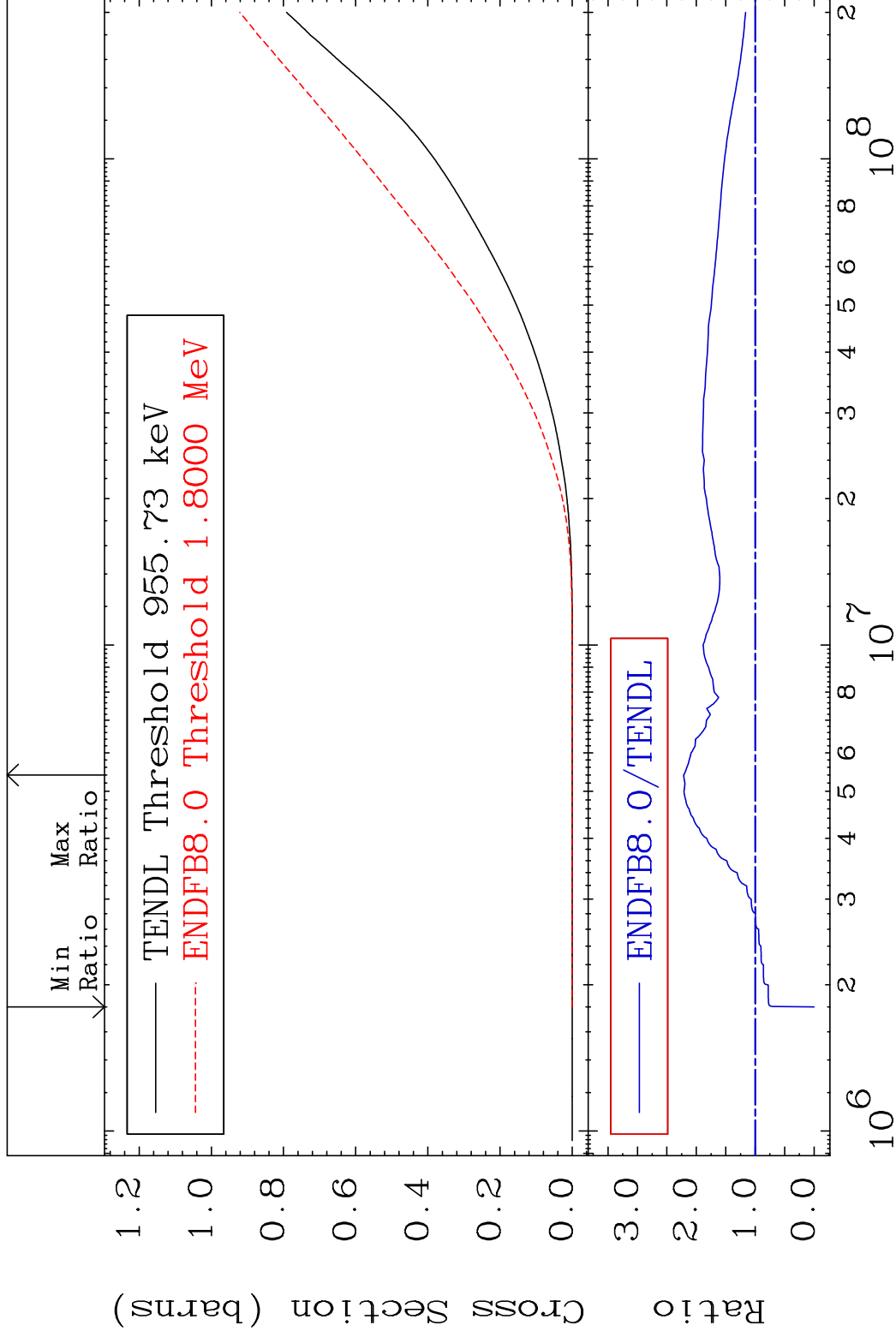
Incident Energy (eV)

82-Pb-207

MAT 8234

Hydrogen Production
Cross Section -100.0 To 121.5 %

82-Pb-207



39

Incident Energy (eV)

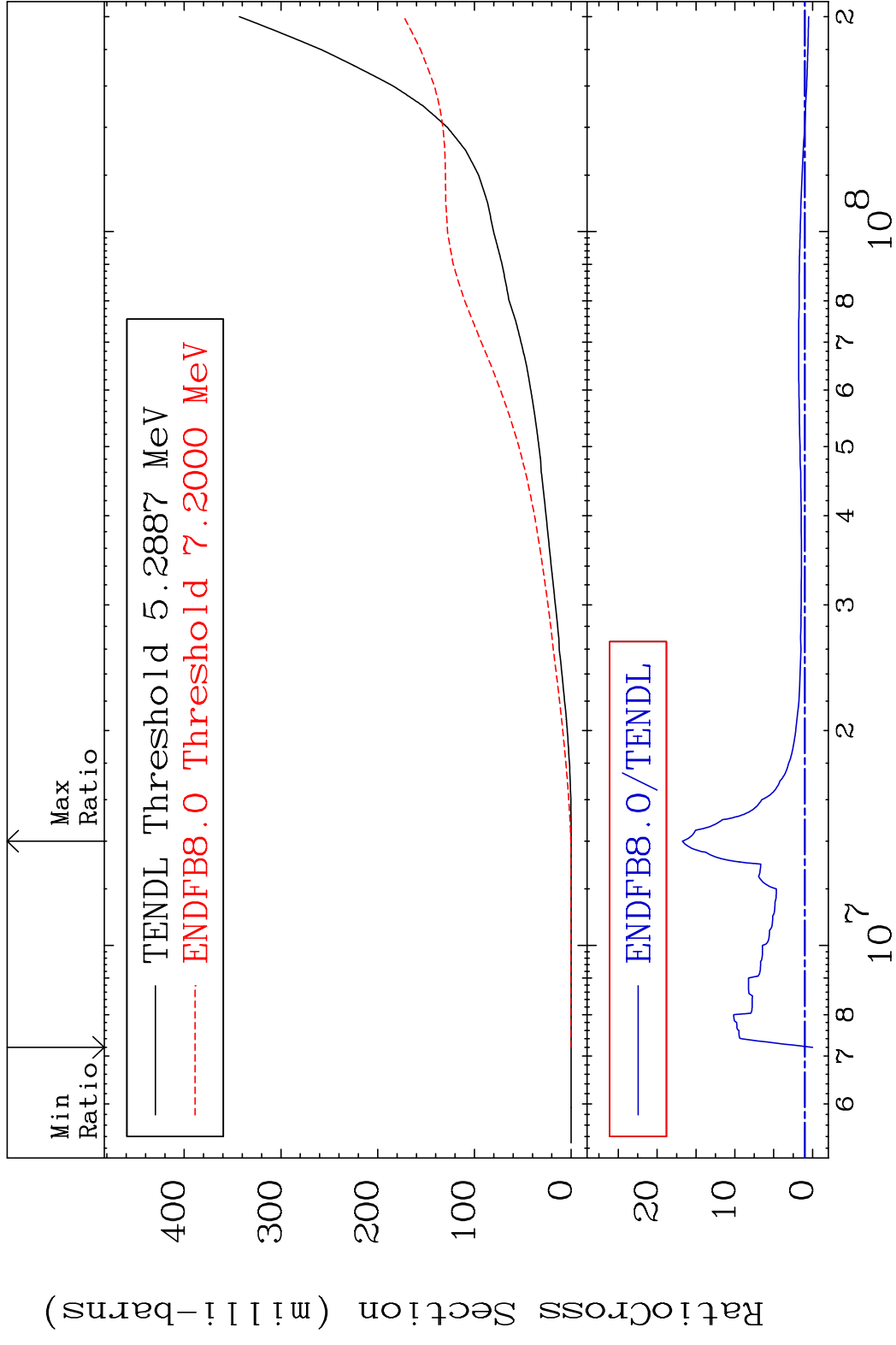
82-Pb-207

MAT 8234

Deuterium Production

82-Pb-207

Cross Section -100.0 To 1576. %



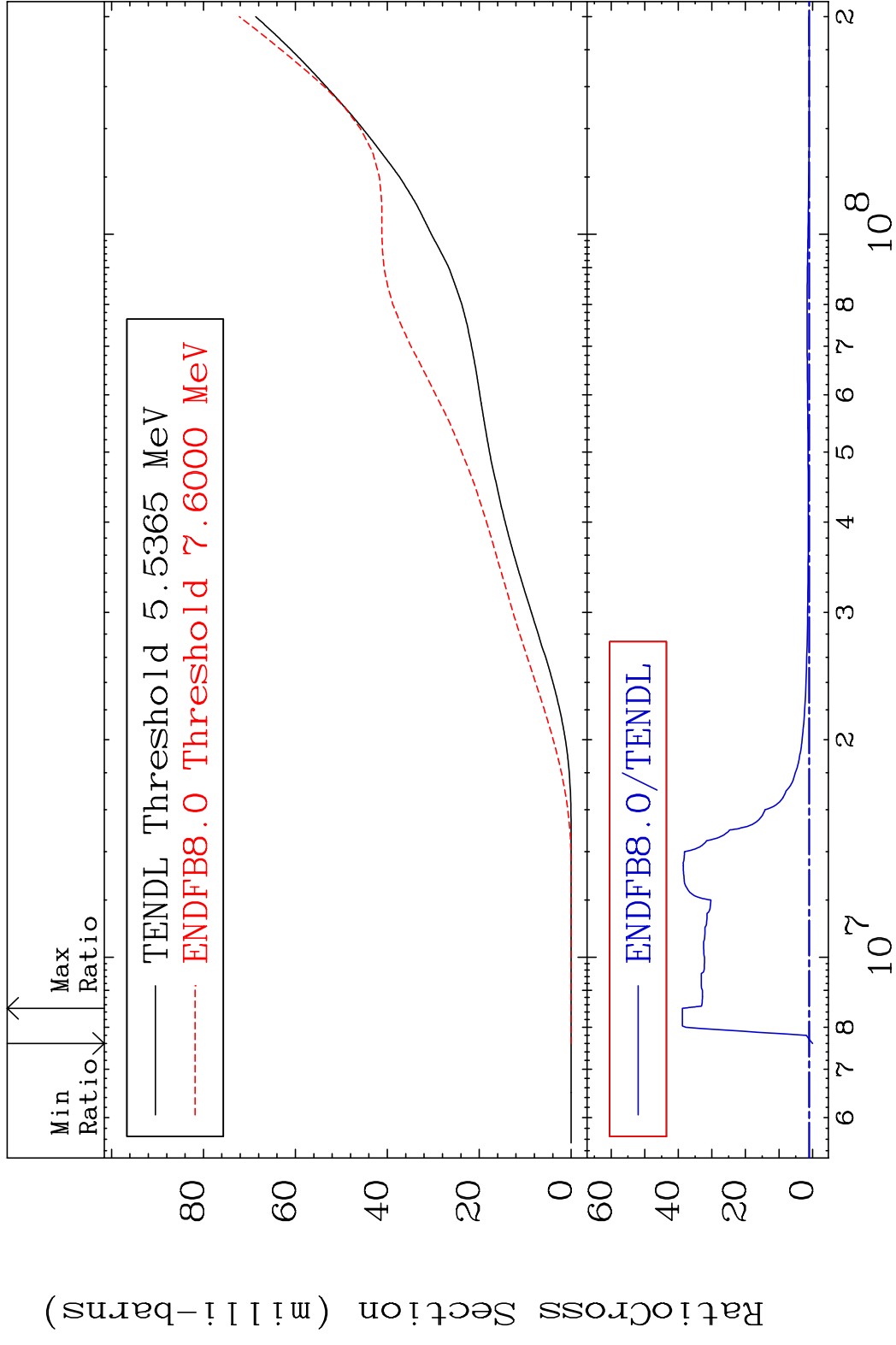
40

Incident Energy (eV)

82-Pb-207

MAT 8234

Tritium Production 82-Pb-207
Cross Section -100.0 To 3779. %



41

Incident Energy (eV)

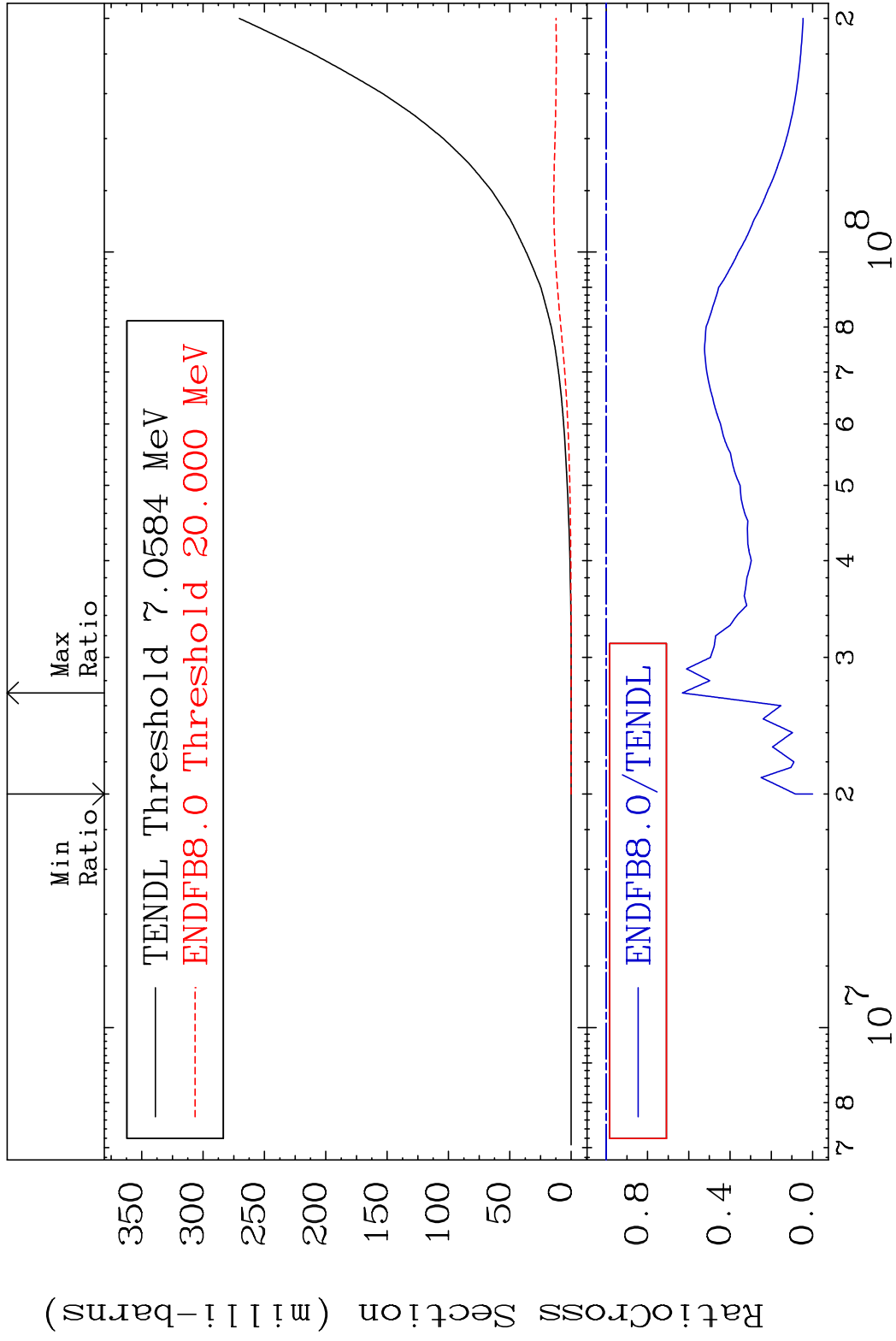
82-Pb-207

MAT 8234

He-3 Production

82-Pb-207

Cross Section -100.0 To -36.88%



42

Incident Energy (eV)

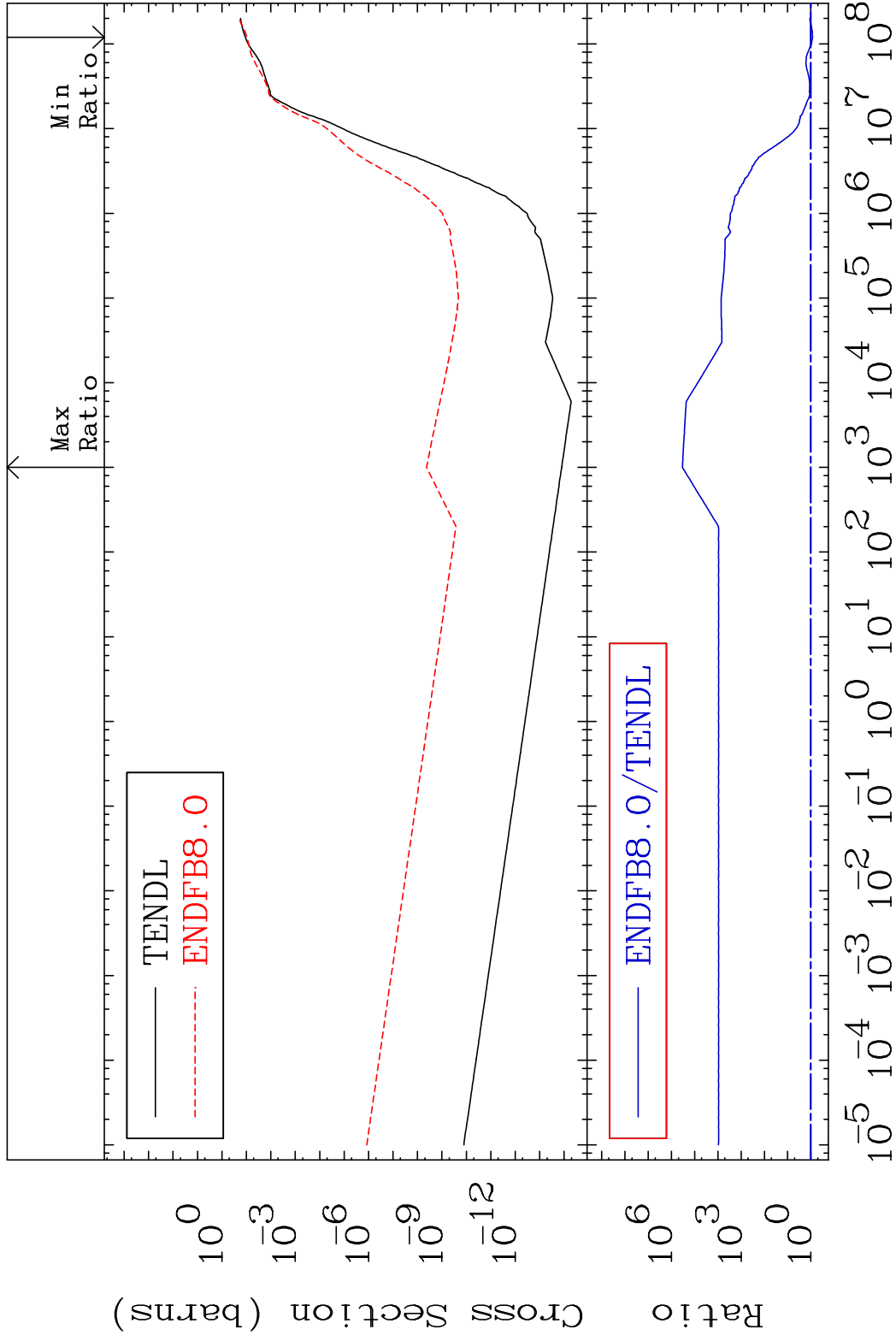
82-Pb-207

MAT 8234

He-4 Production

82-Pb-207

Cross Section -15.31 To 9999. %

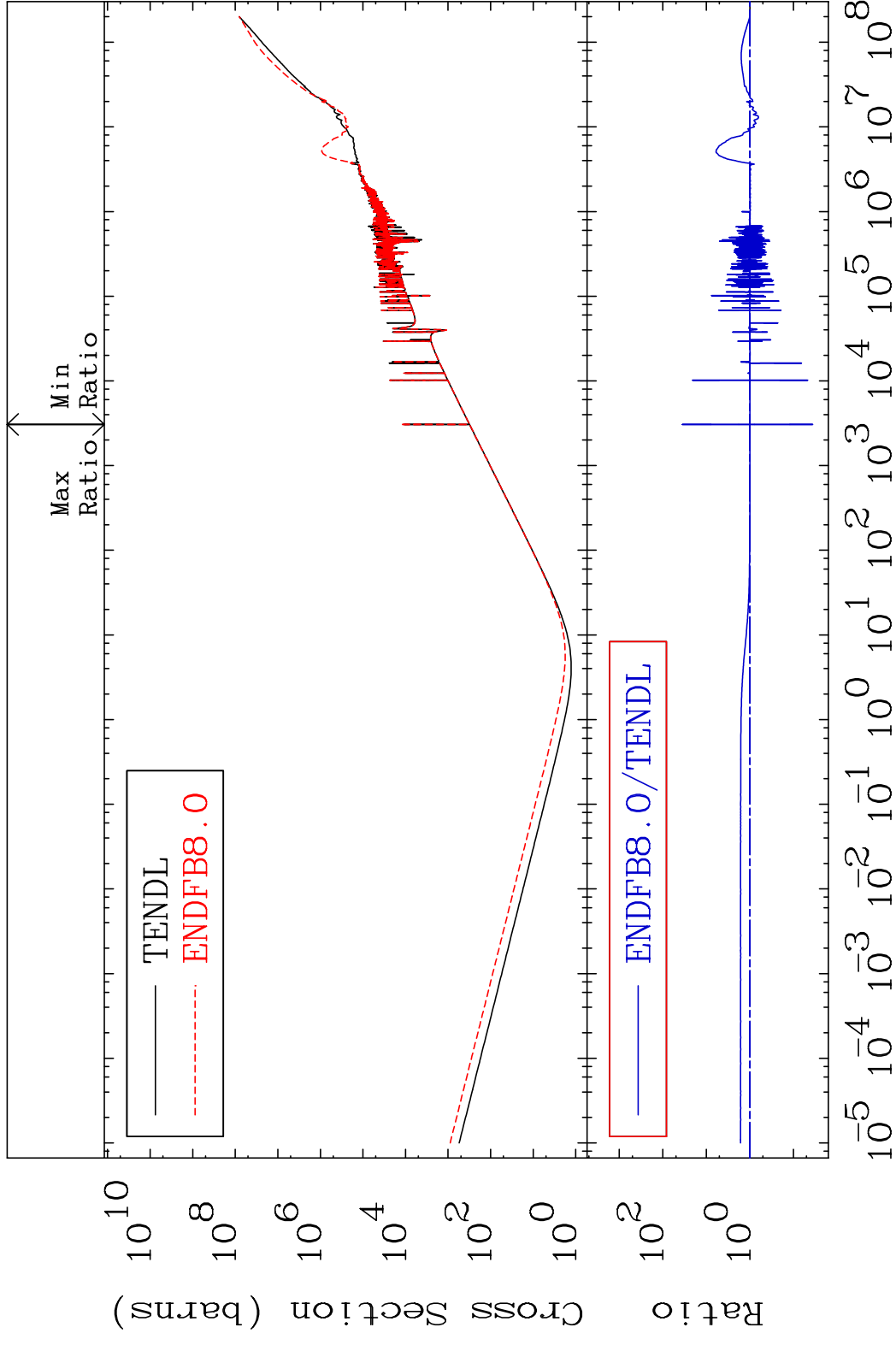


43

Incident Energy (eV)

82-Pb-207

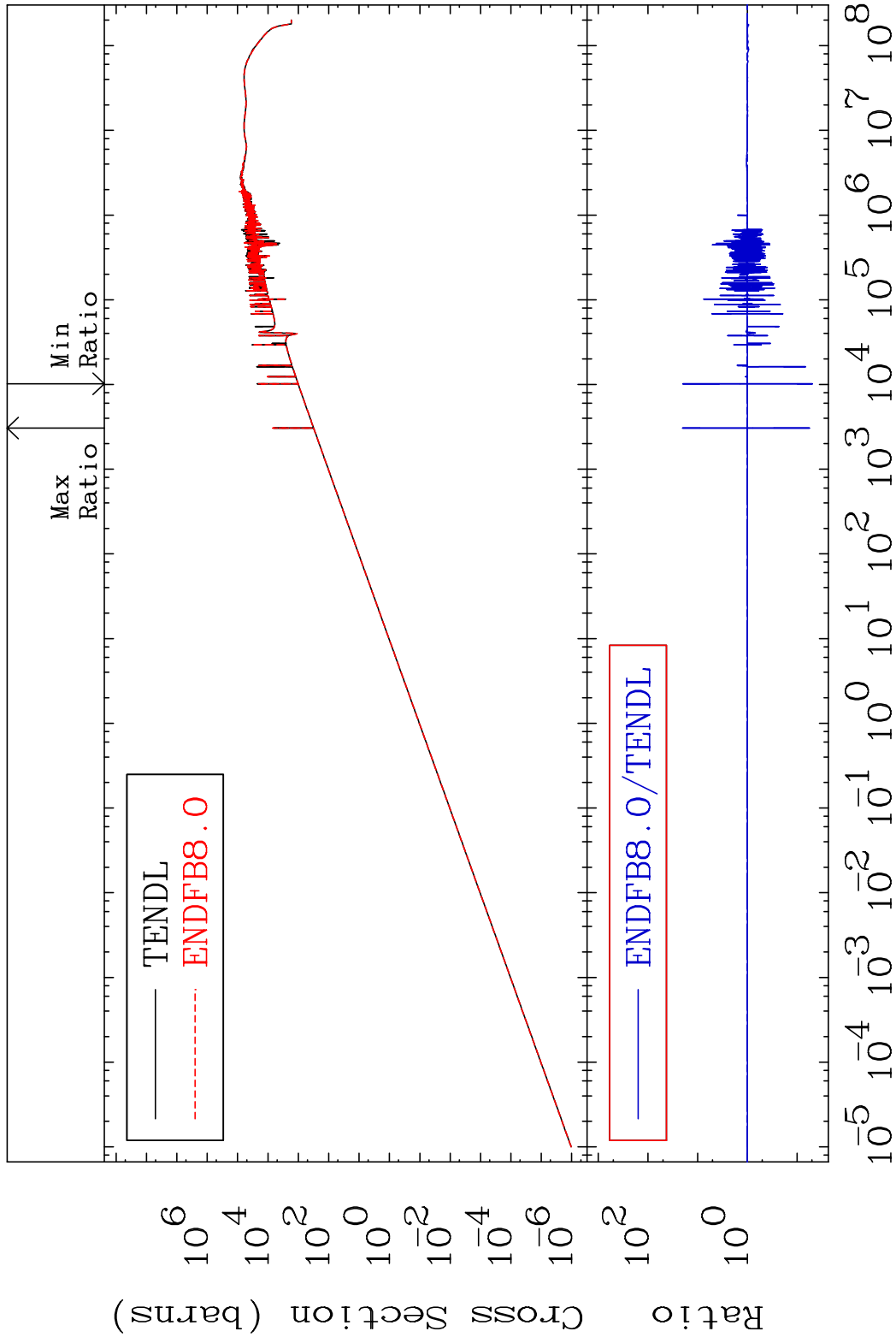
MAT 8234 Kerma total (eV-barns) 82-Pb-207
 Cross Section -96.36 To 3454. %



MAT 8234

Kerma elastic
Cross Section

82-Pb-207
-95.13 To 1929. %

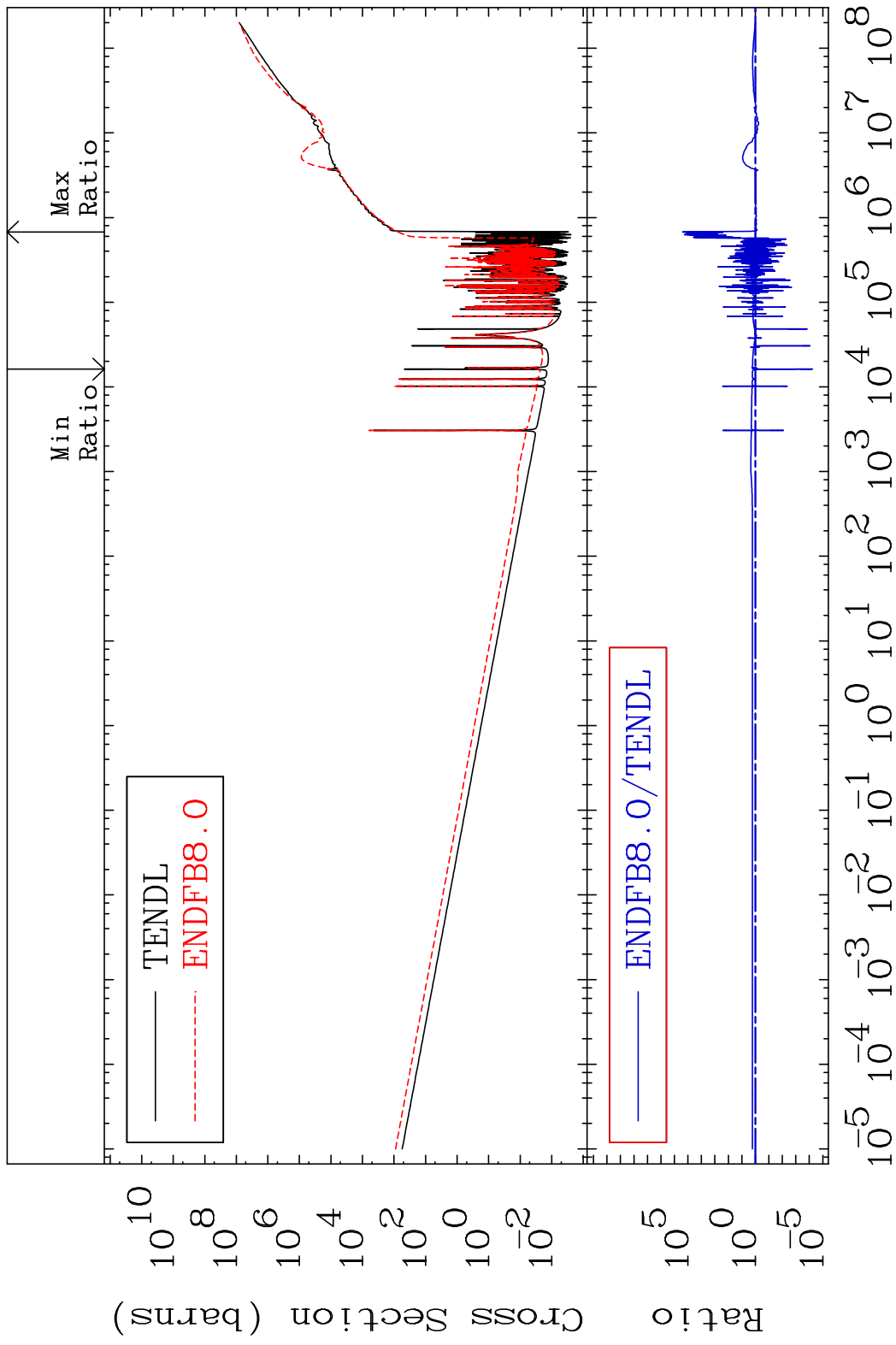


45

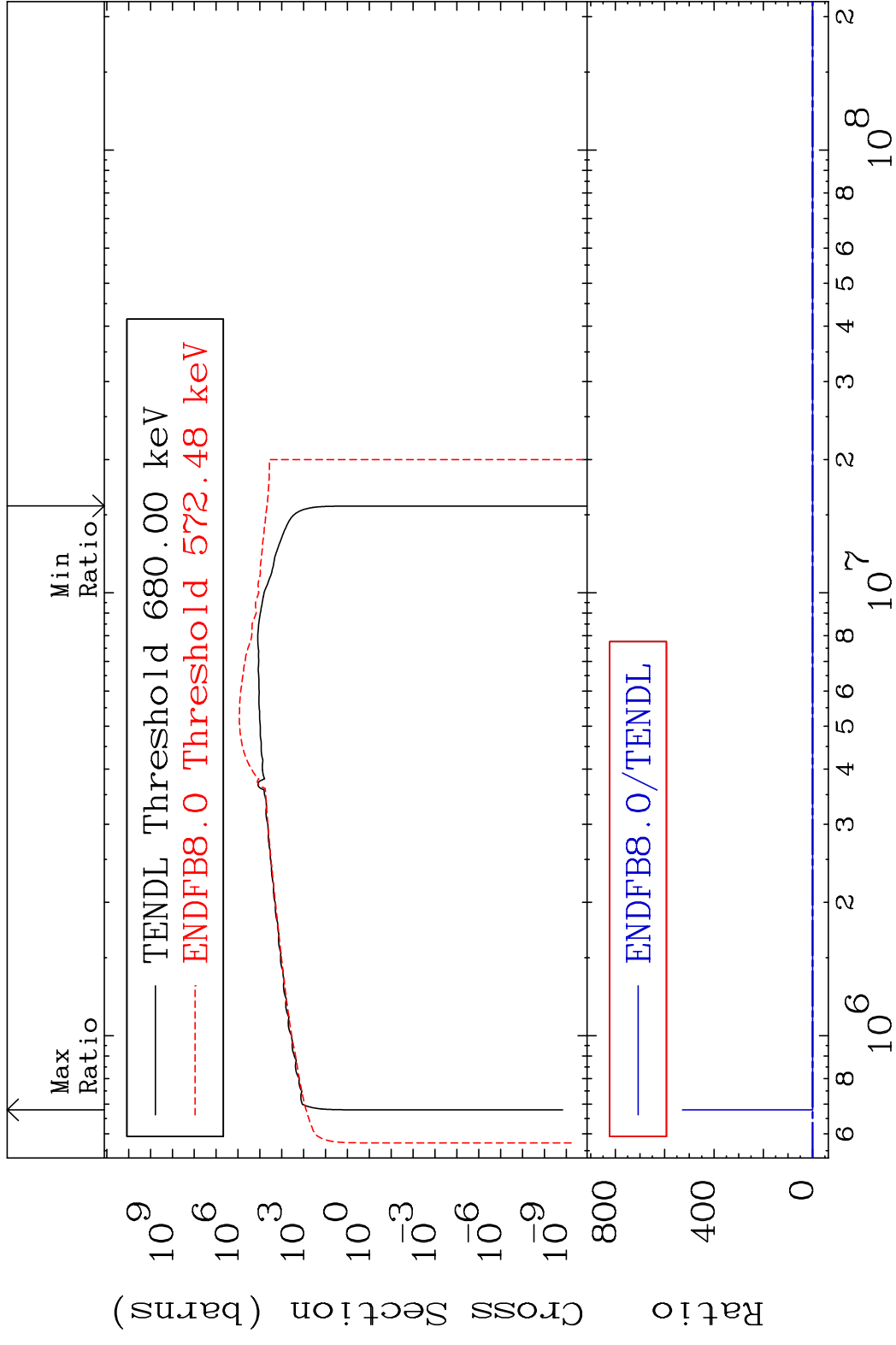
Incident Energy (eV)

82-Pb-207

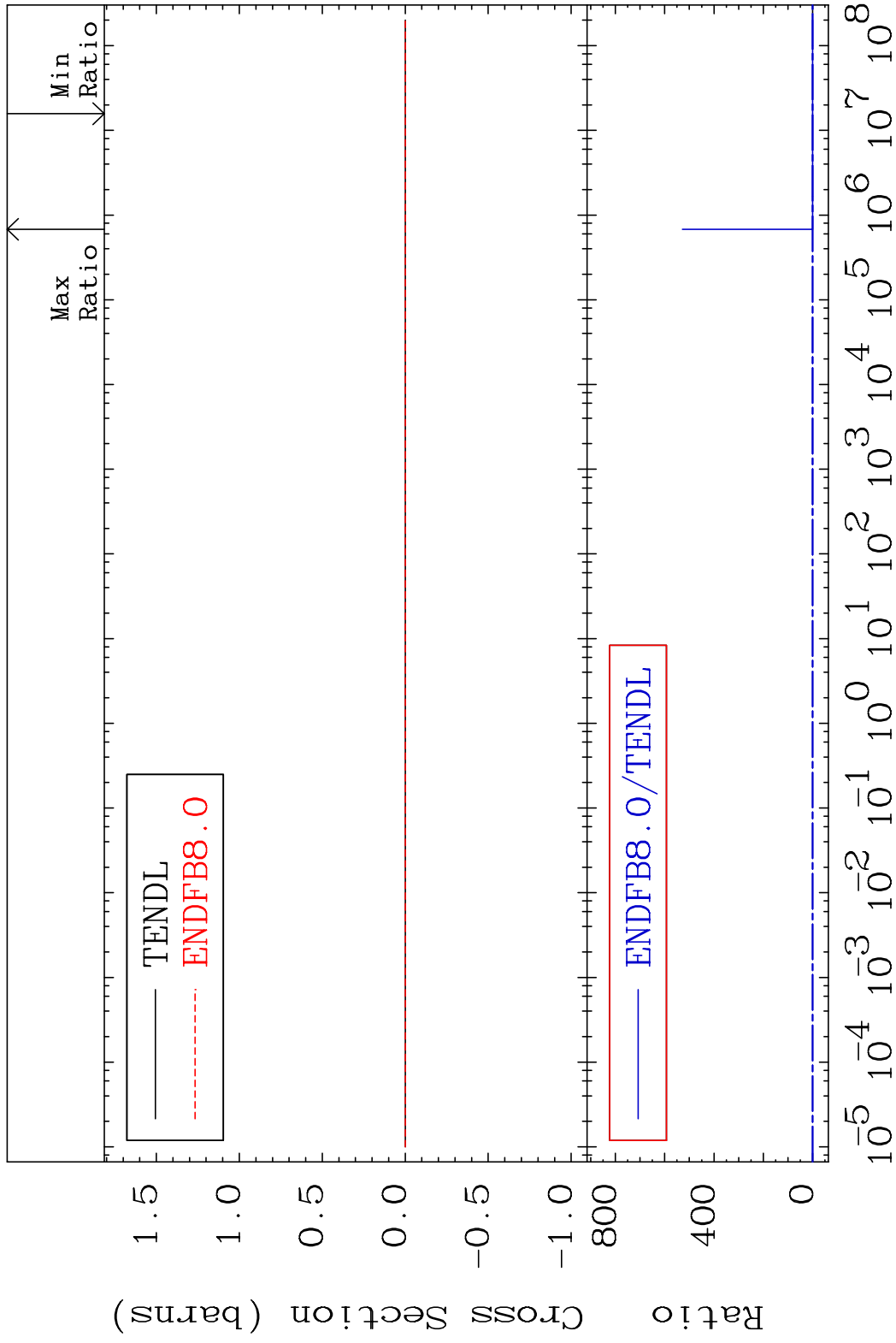
MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
 Cross Section -99.99 To 9999. %



MAT 8234 Kerma inelastic (mt51-91) 82-Pb-207
 Cross Section -9999. To 9999. %



MAT 8234 Kerma fission (mt18 or mt19-20-21-38)82-Pb-207
 Cross Section -9999. To 9999. %

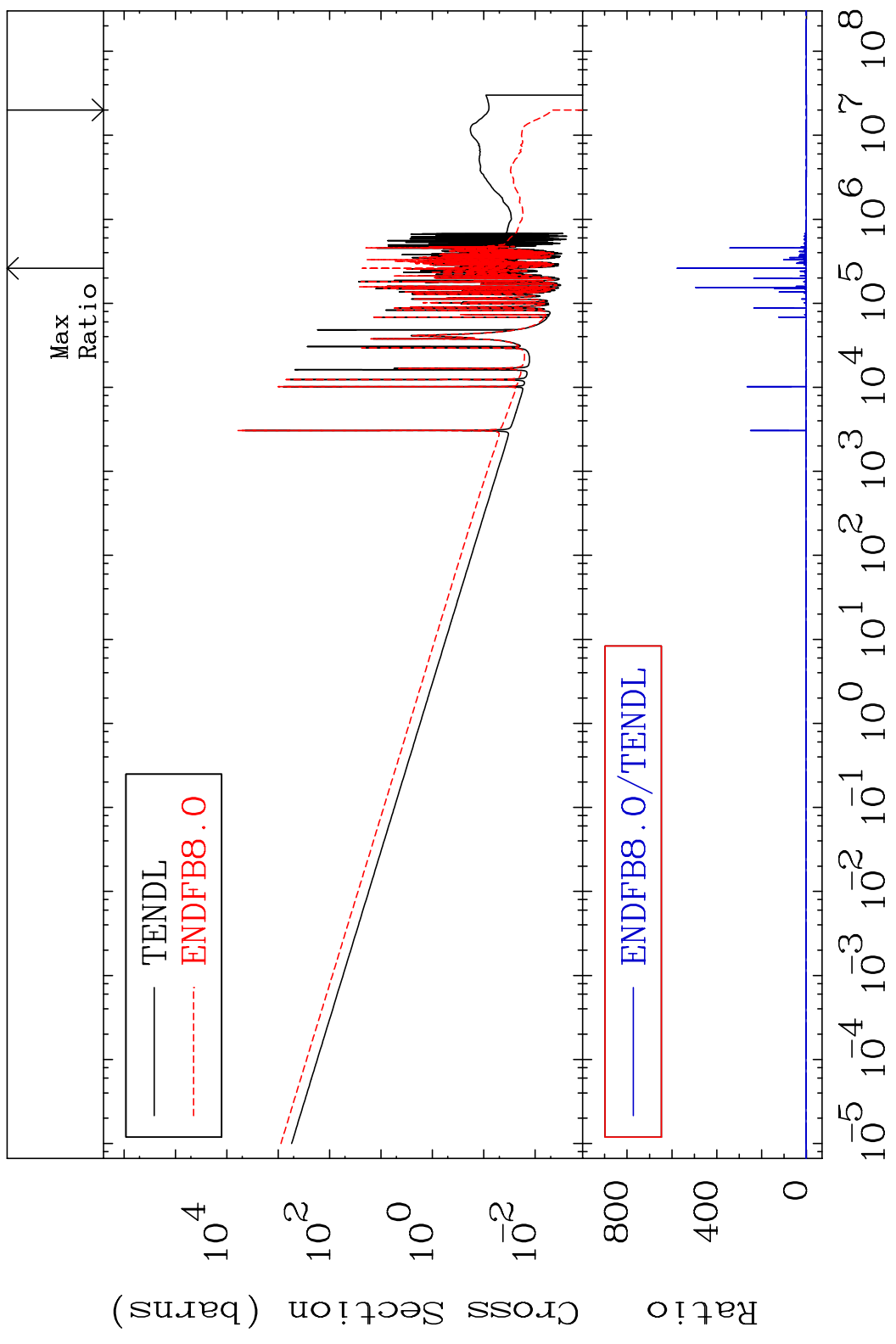


MAT 8234

Kerma capture (mt102)

82-Pb-207

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

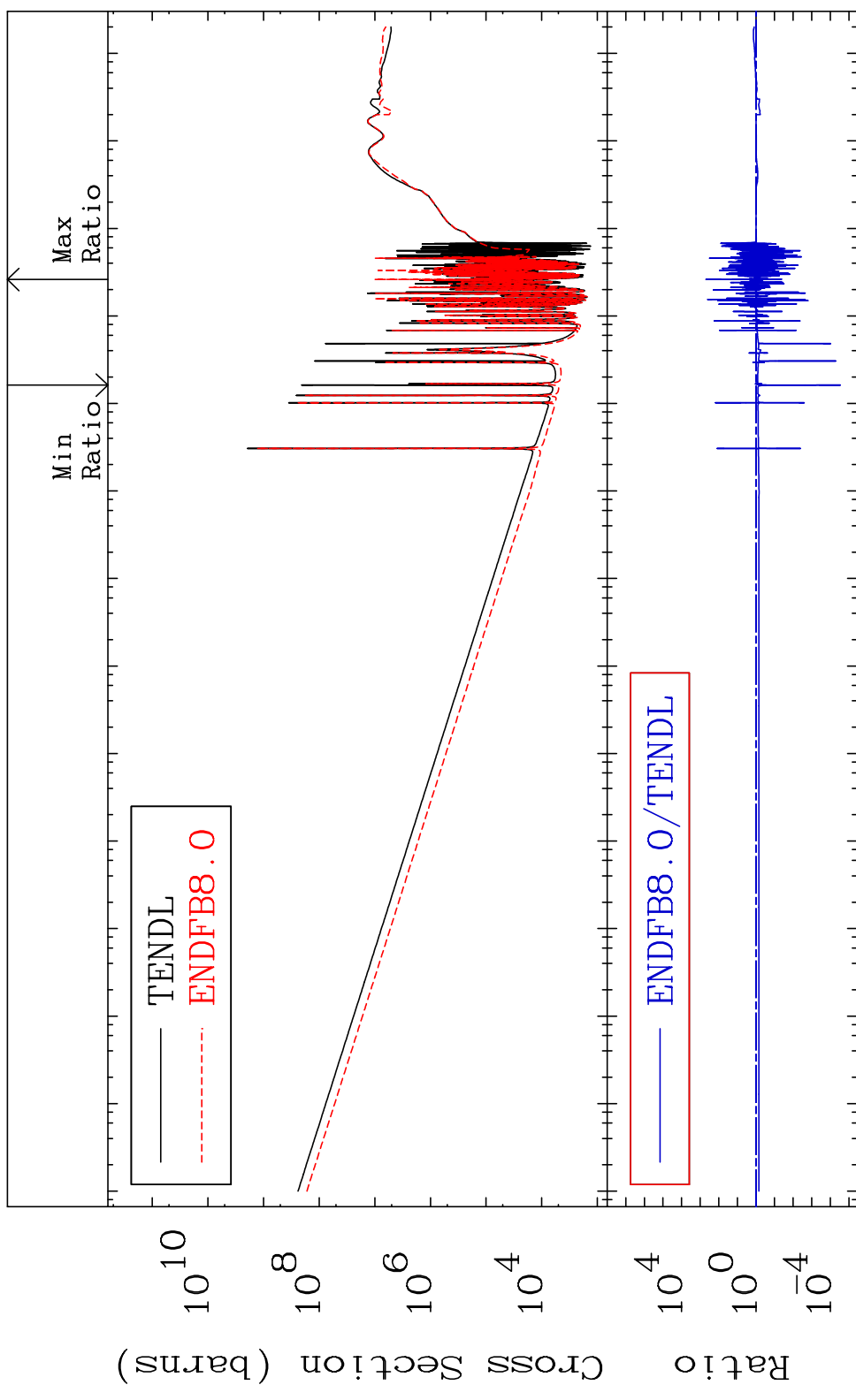
82-Pb-207

MAT 8234

Total photon (eV-barns)

82-Pb-207

Cross Section -100.0 To 9999. %

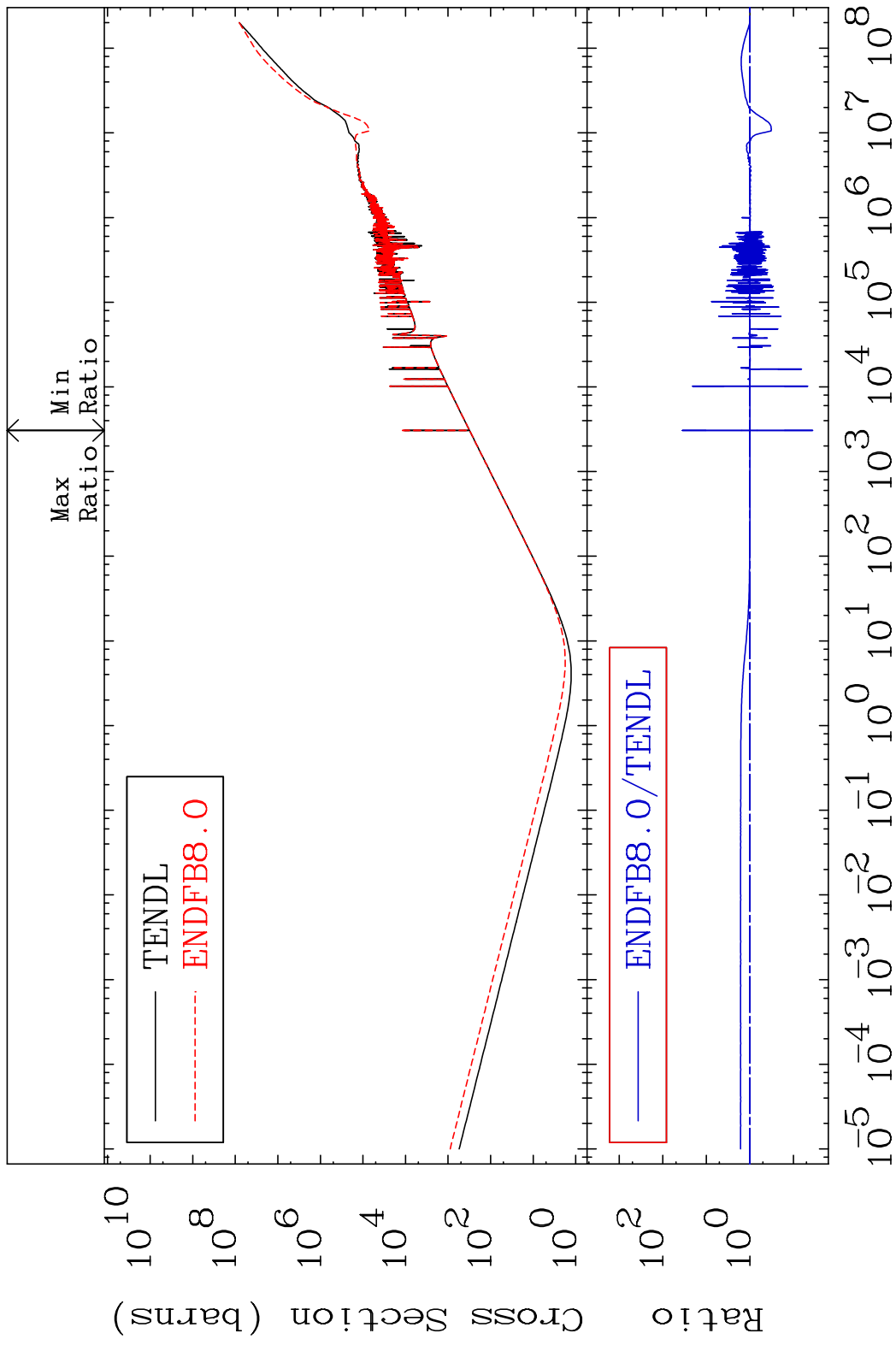


50

Incident Energy (eV)

82-Pb-207

MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
 Cross Section -96.36 To 3454. %

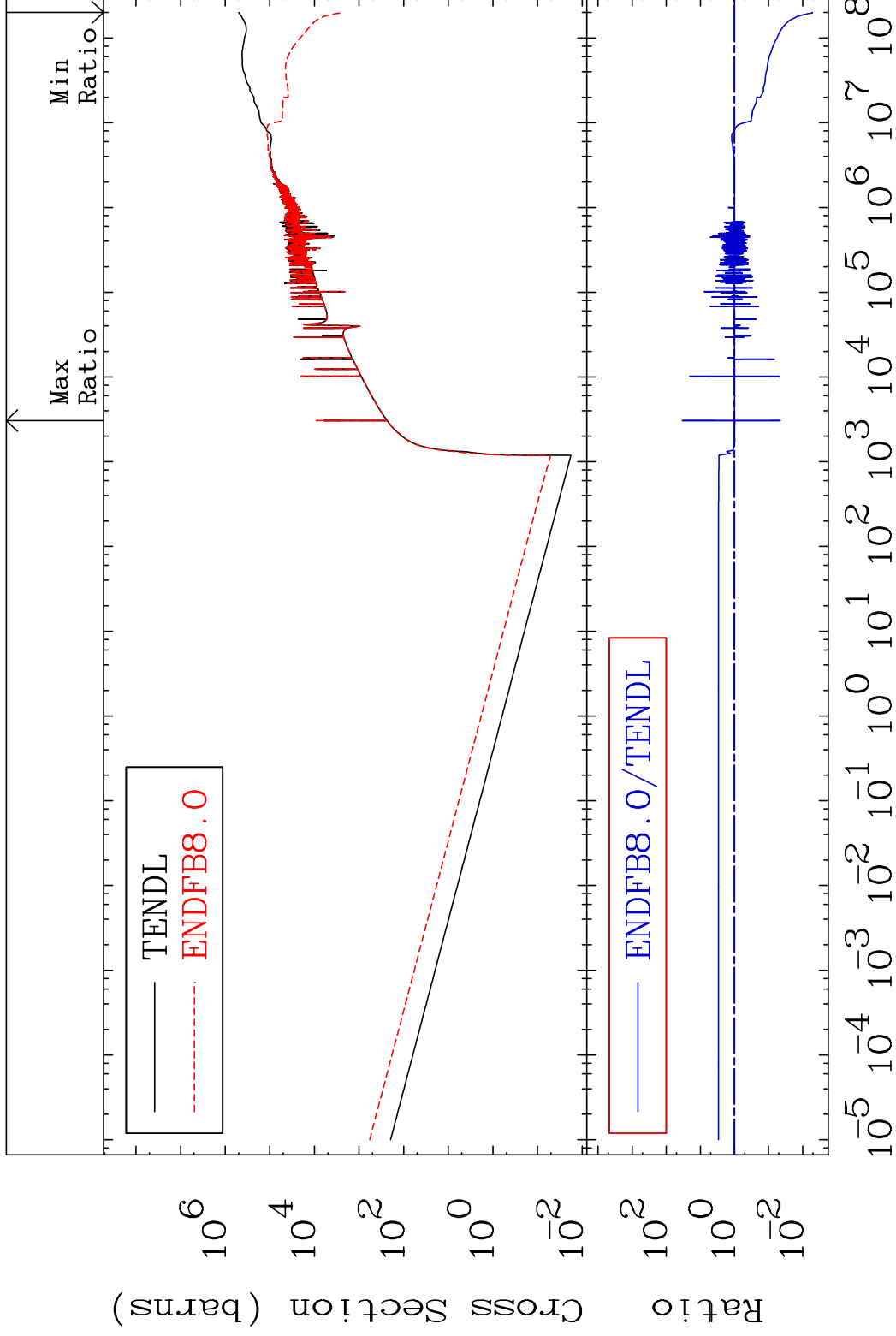


MAT 8234

Dpa total (eV-barns)

82-Pb-207

Cross Section -99.48 To 3319. %



52

Incident Energy (eV)

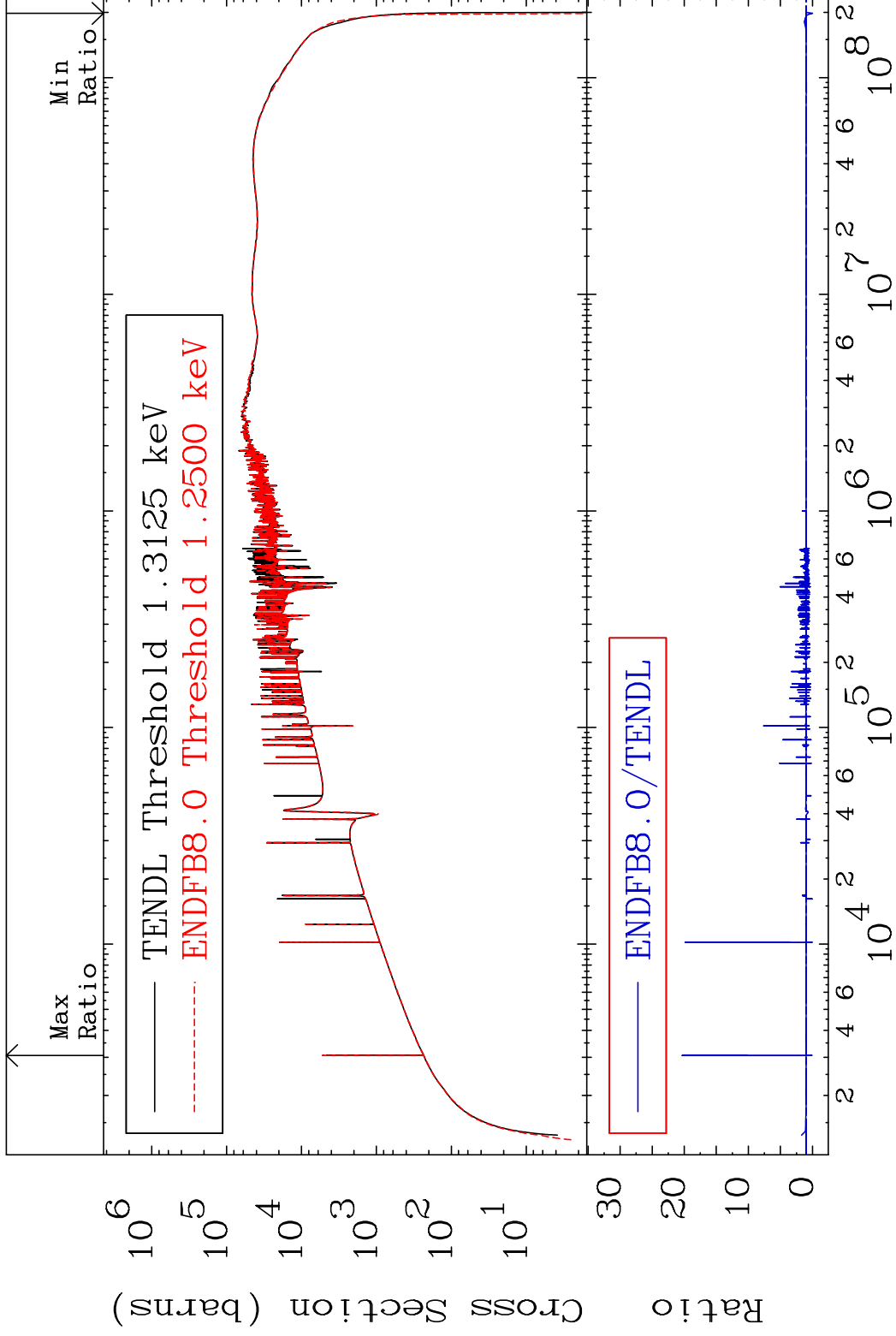
82-Pb-207

MAT 8234

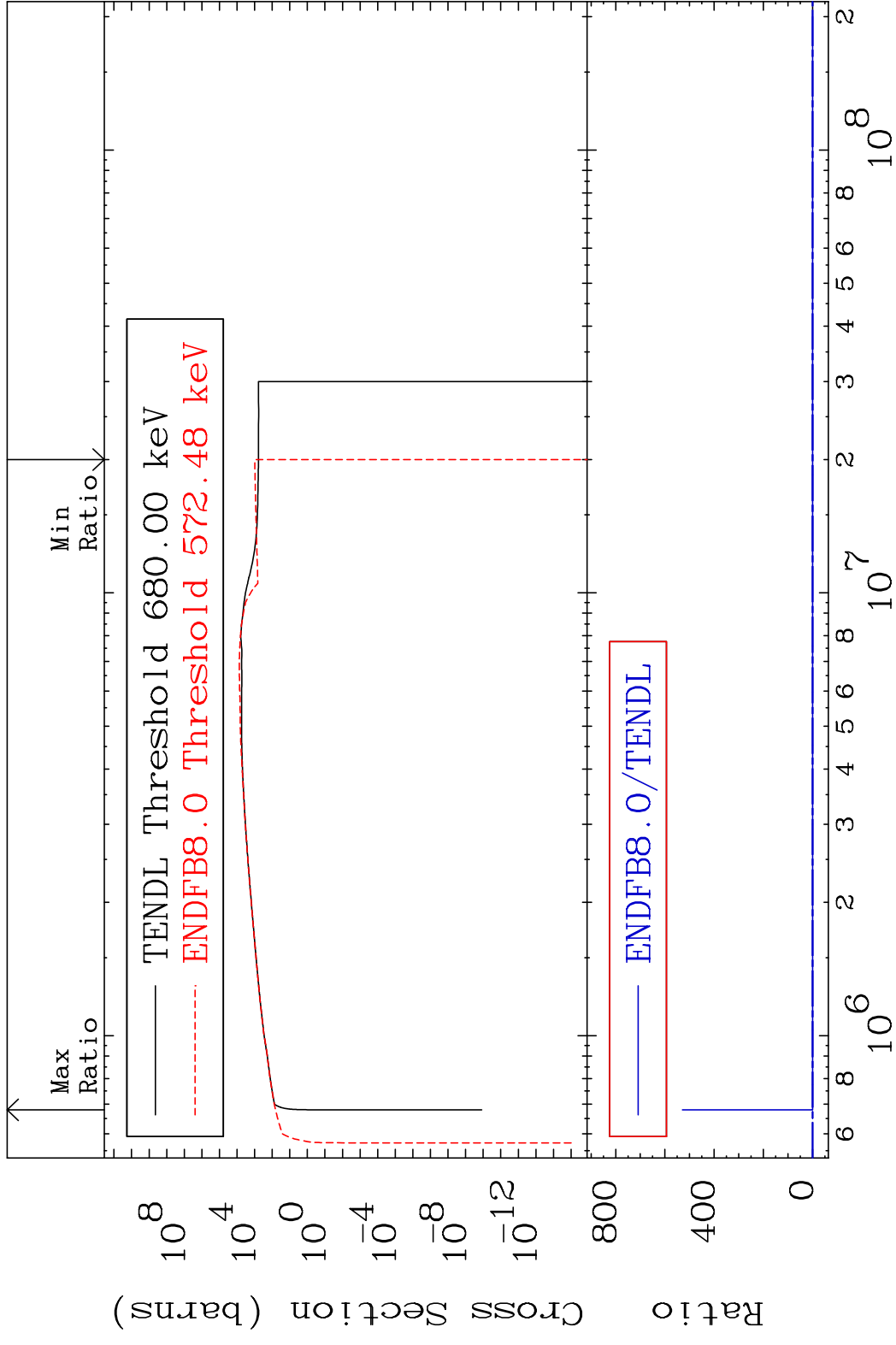
Dpa elastic (mt2)

82-Pb-207

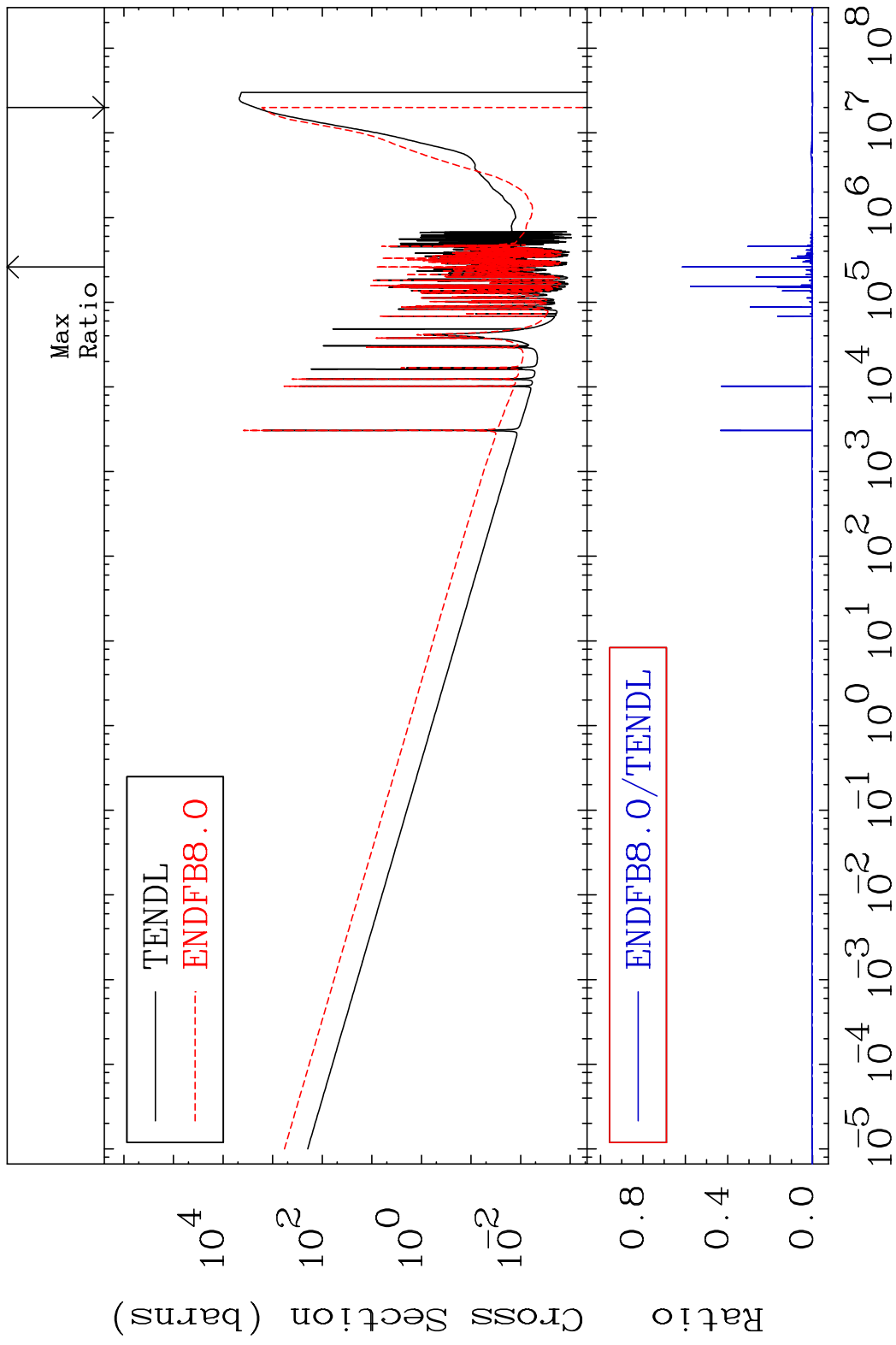
Cross Section -100.0 To 1933. %



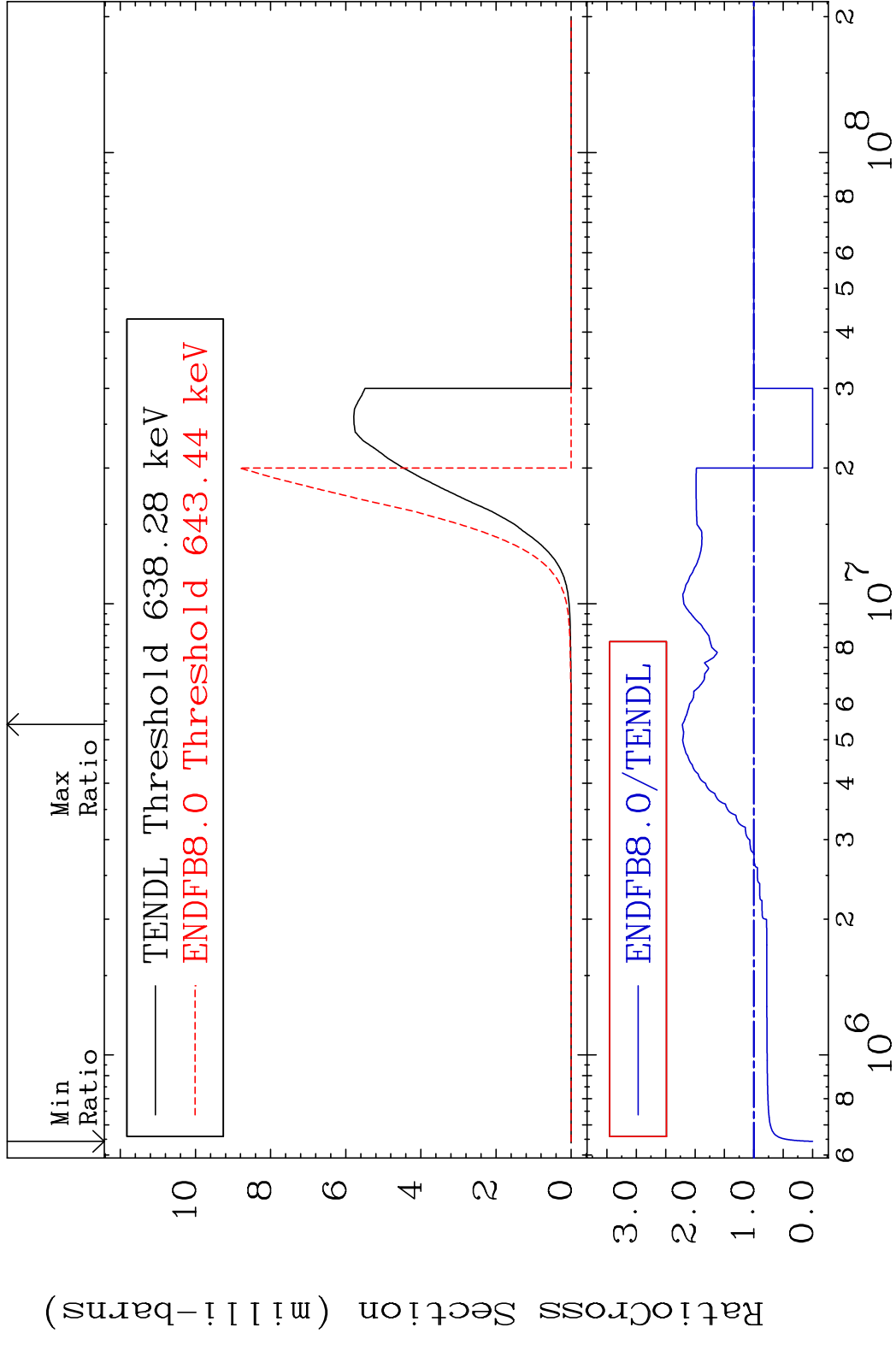
MAT 8234 Dpa inelastic (mt51-91) 82-Pb-207
 Cross Section -100.0 To 9999. %



MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
 Cross Section -100.0 To 9999. %



MAT 8234 (n,p):81-Tl-207g 82-Pb-207
 Radionuclide Production Cross Section 180.0 dth 121.7 %



MAT 8234 (n, p):81-Tl-207m2 82-Pb-207
 Radionuclide Production Cross Section 180.0 dth 779.2 %

