

Program Complot
(Version 2018-1)

by

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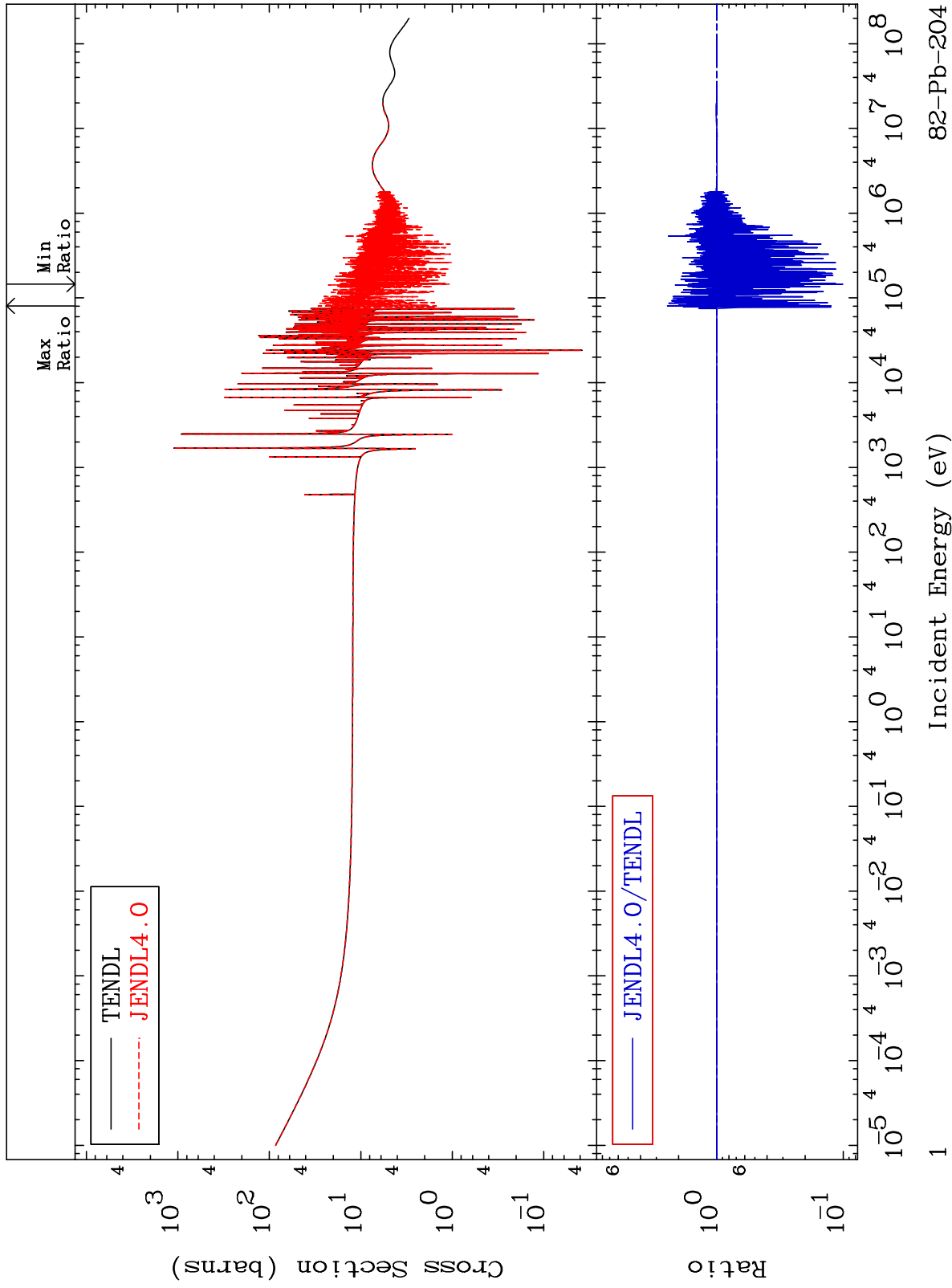
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8225

Total
Cross Section

82-Pb-204
-89.89 To 144.3 %



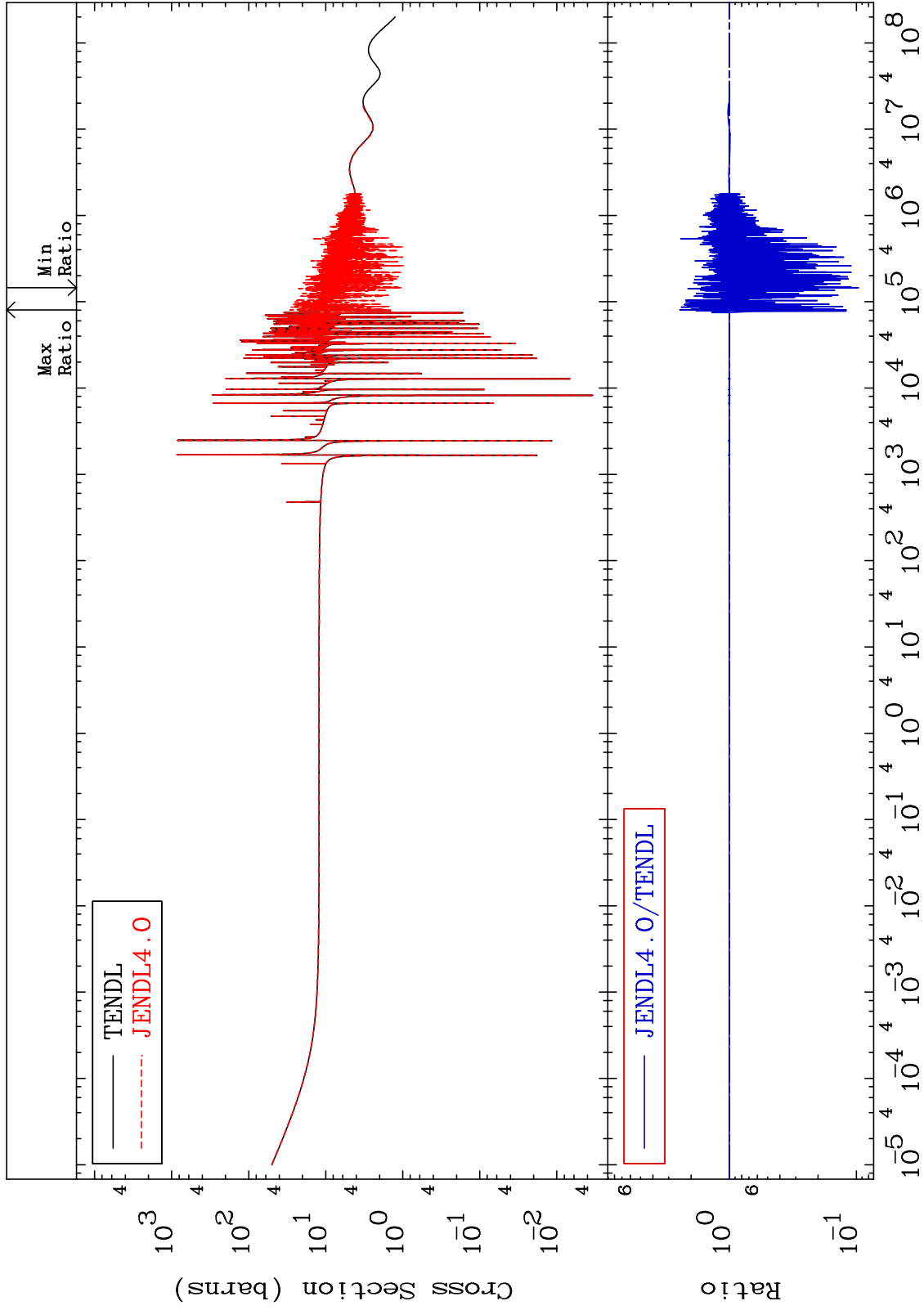
82-Pb-204

1

MAT 8225

Elastic
Cross Section

82-Pb-204
-90.37 To 144.4 %



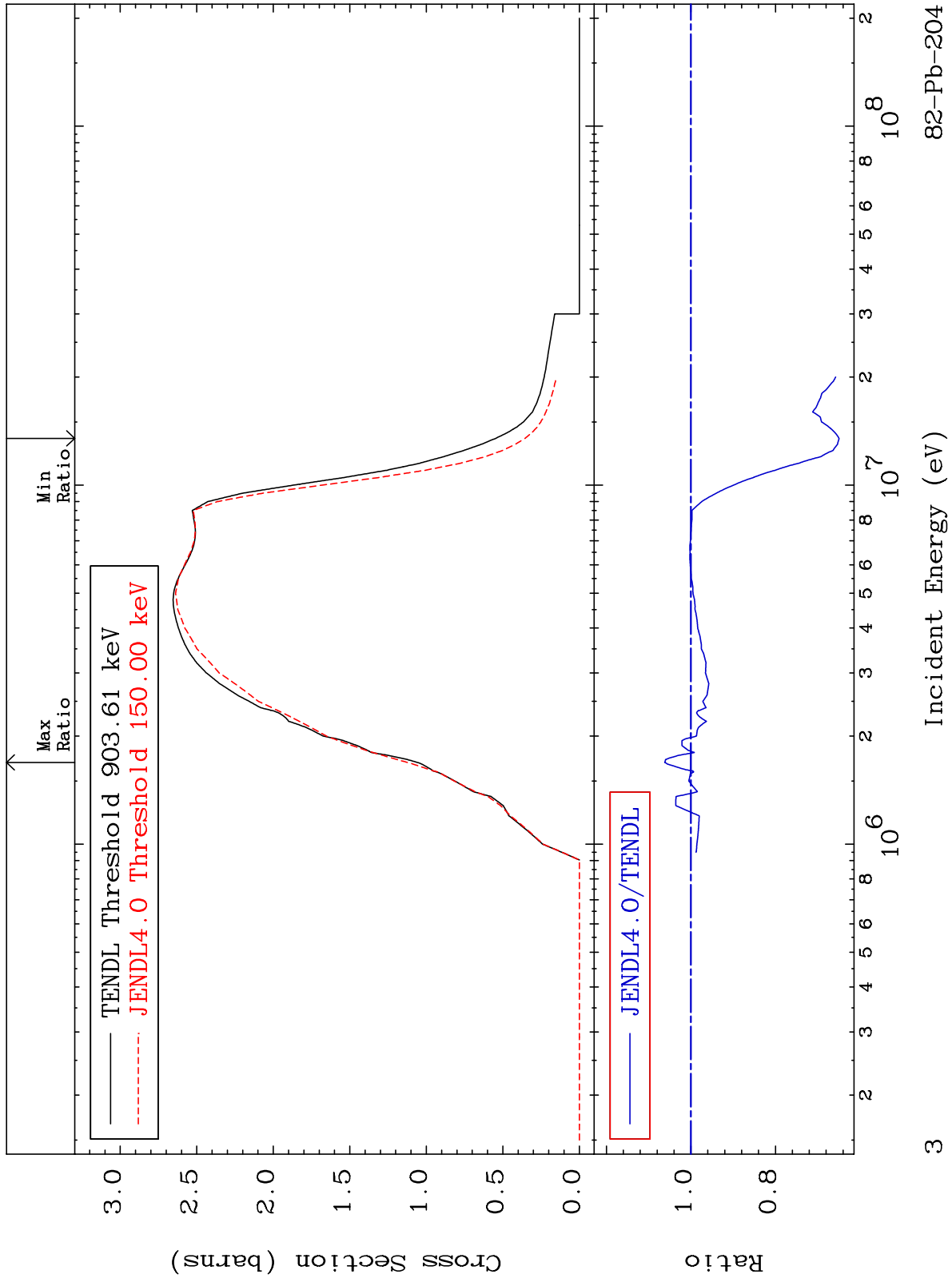
Incident Energy (eV)

82-Pb-204

2

MAT 8225

Inelastic Cross Section
82-Pb-204
-35.07 To 6.202 %



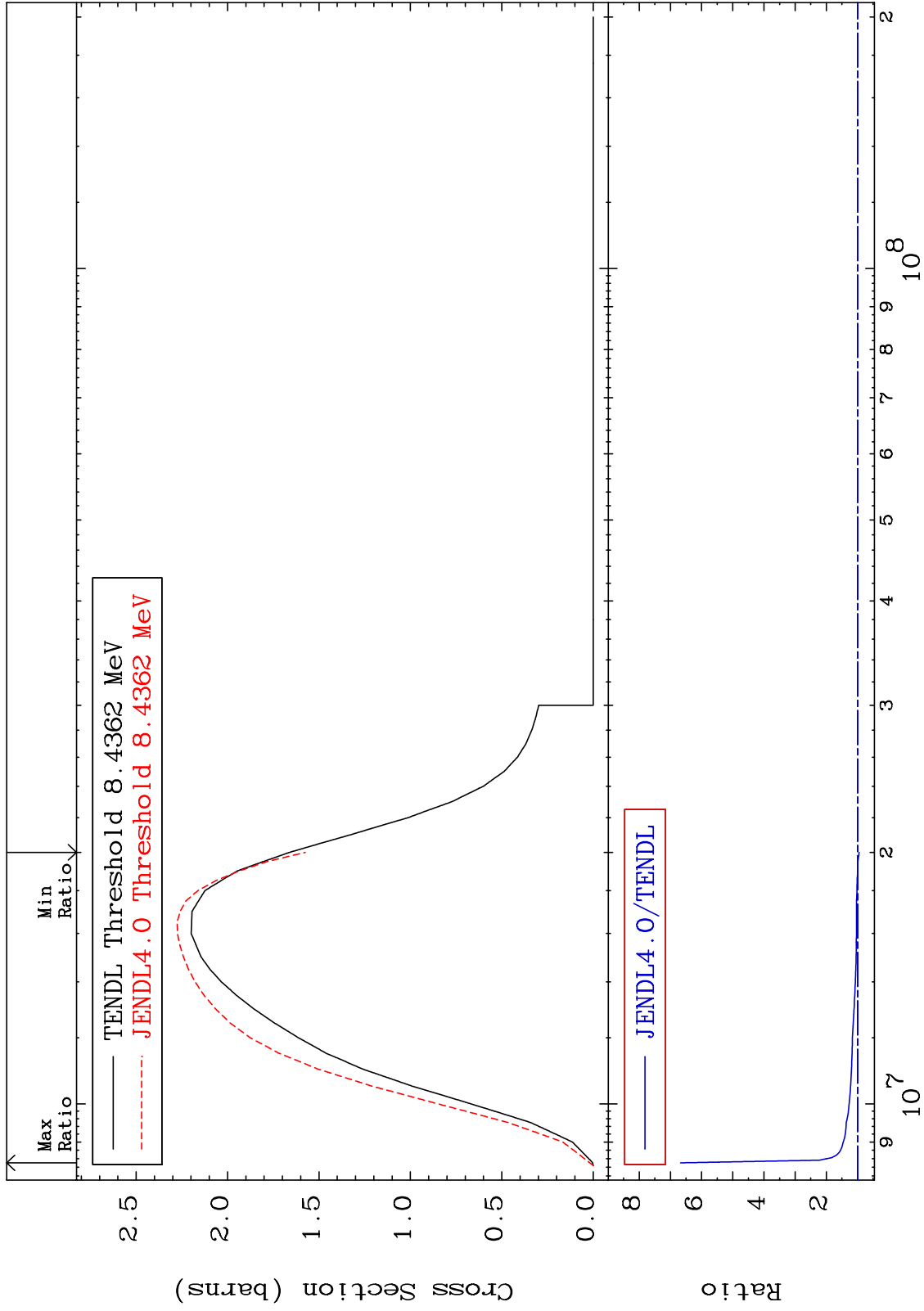
MAT 8225

(n,2n)

82-Pb-204

Cross Section

-5.210 To 567.3 %



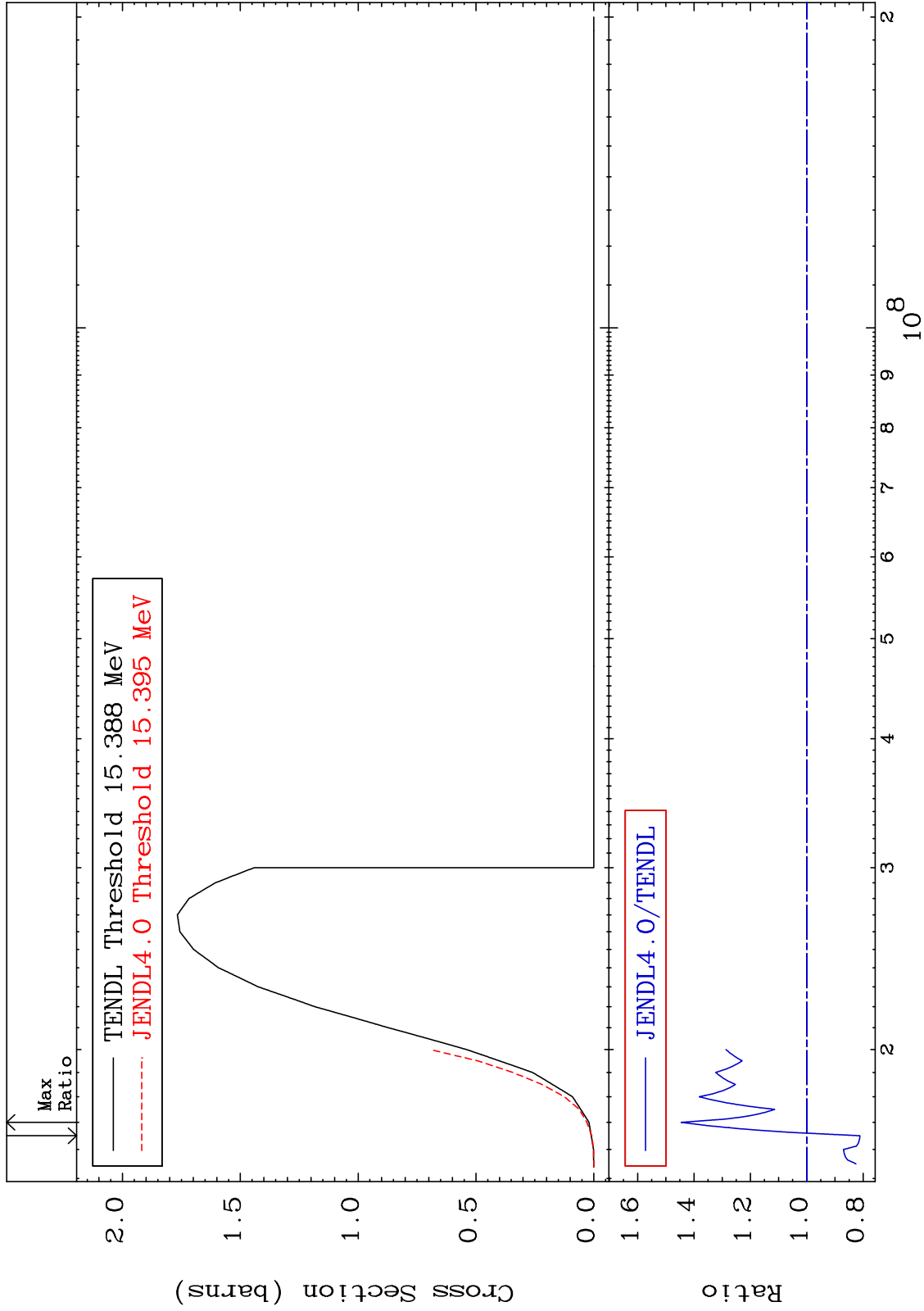
MAT 8225

(n, 3n)

82-Pb-204

Cross Section

-18.85 To 44.52 %



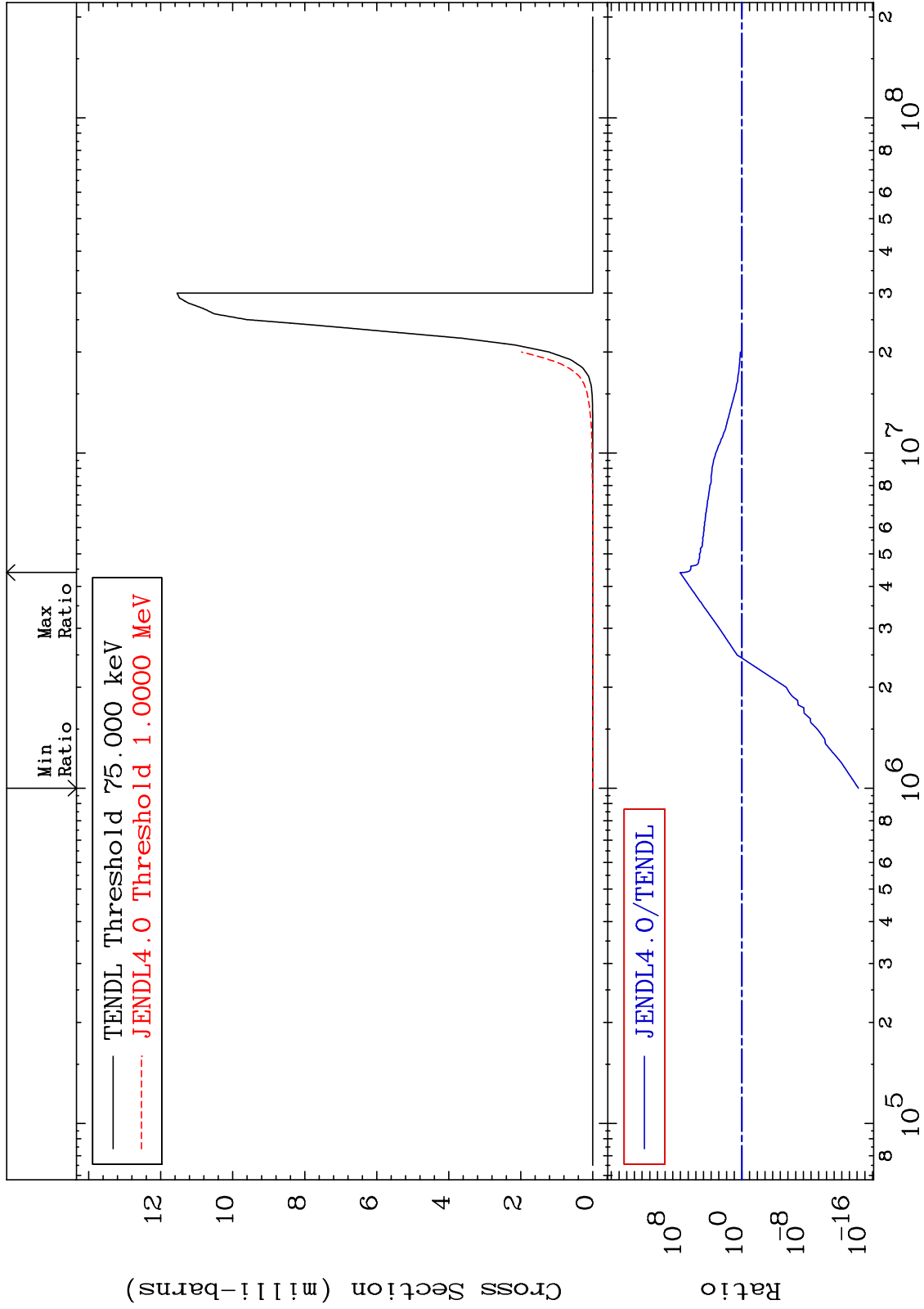
MAT 8225

(n, n') α

82-Pb-204

-100.0 To 9999. %

Cross Section



6

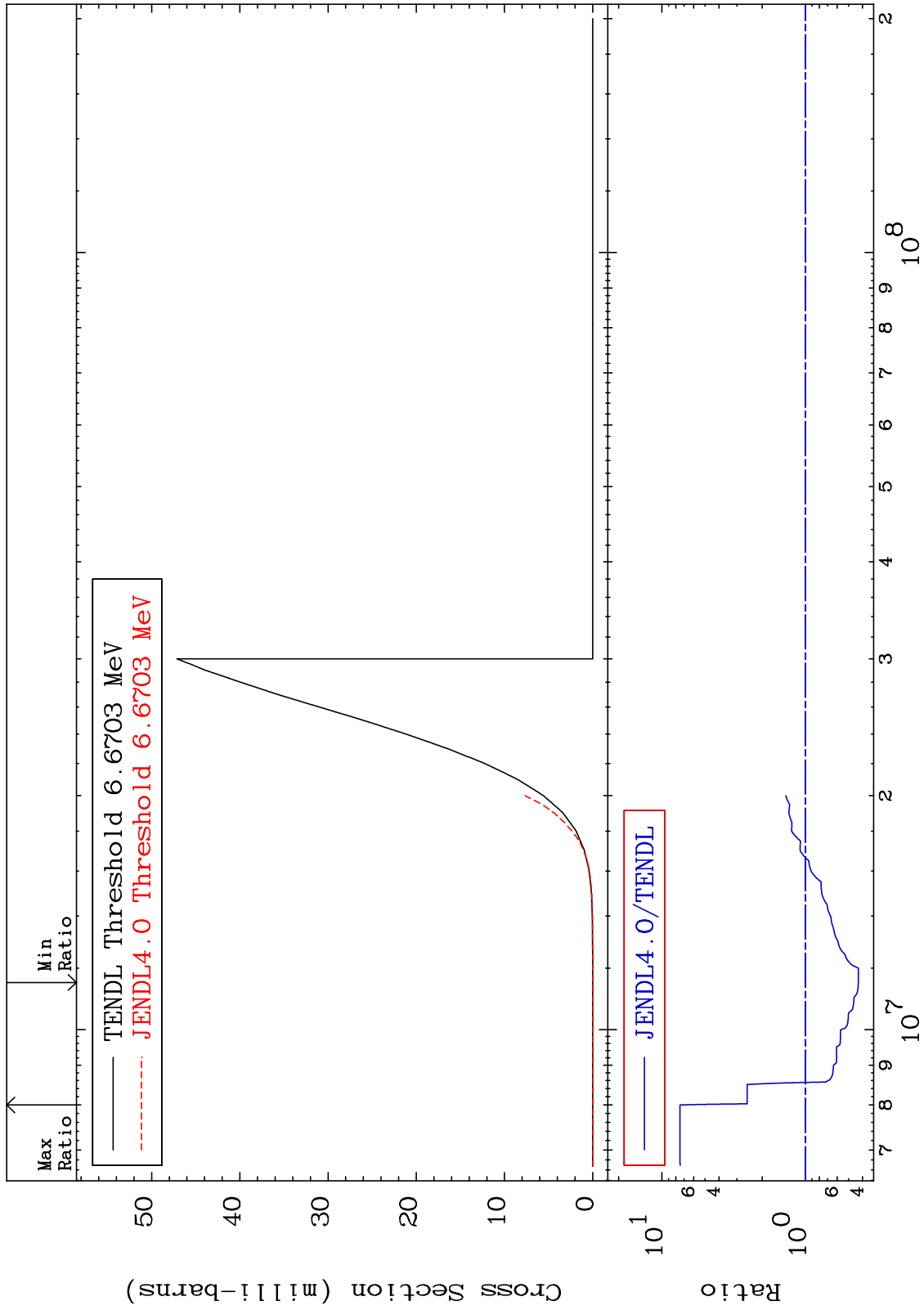
Incident Energy (eV)

82-Pb-204

MAT 8225

(n,n') p
Cross Section

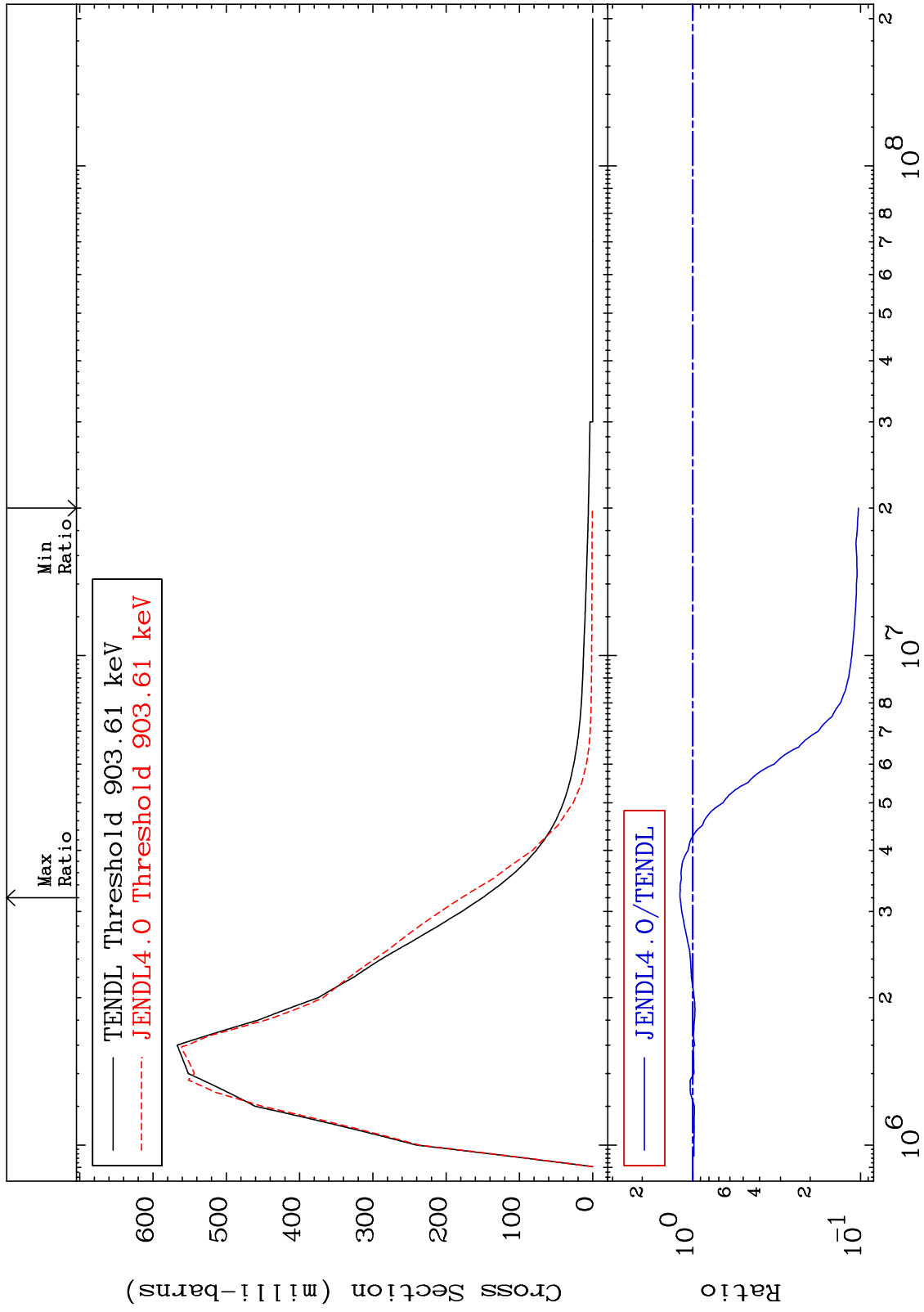
82-Pb-204
-57.32 To 648.1 %



MAT 8225

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

82-Pb-204
-89.70 To 19.06 %



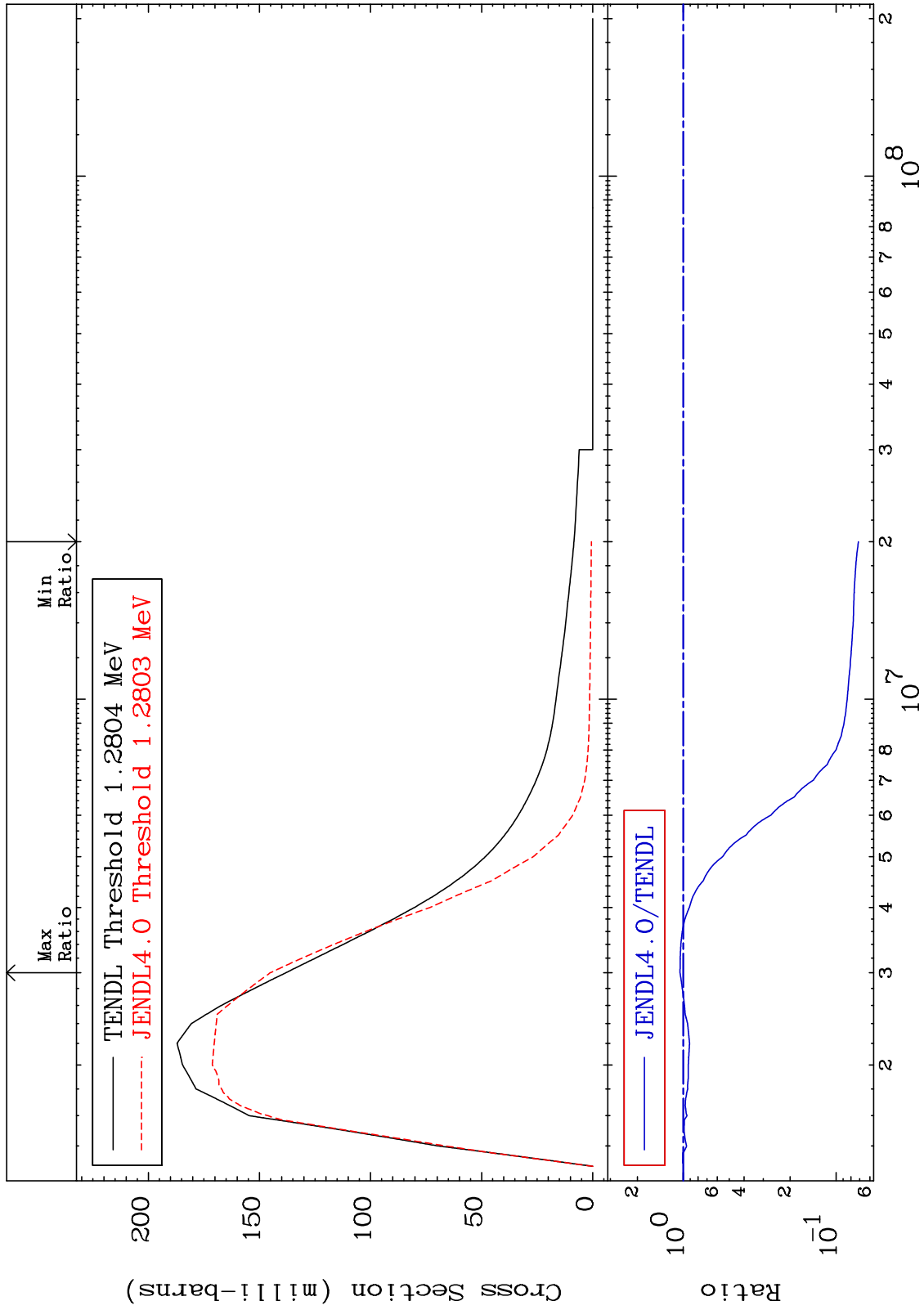
Incident Energy (eV)

82-Pb-204

MAT 8225

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

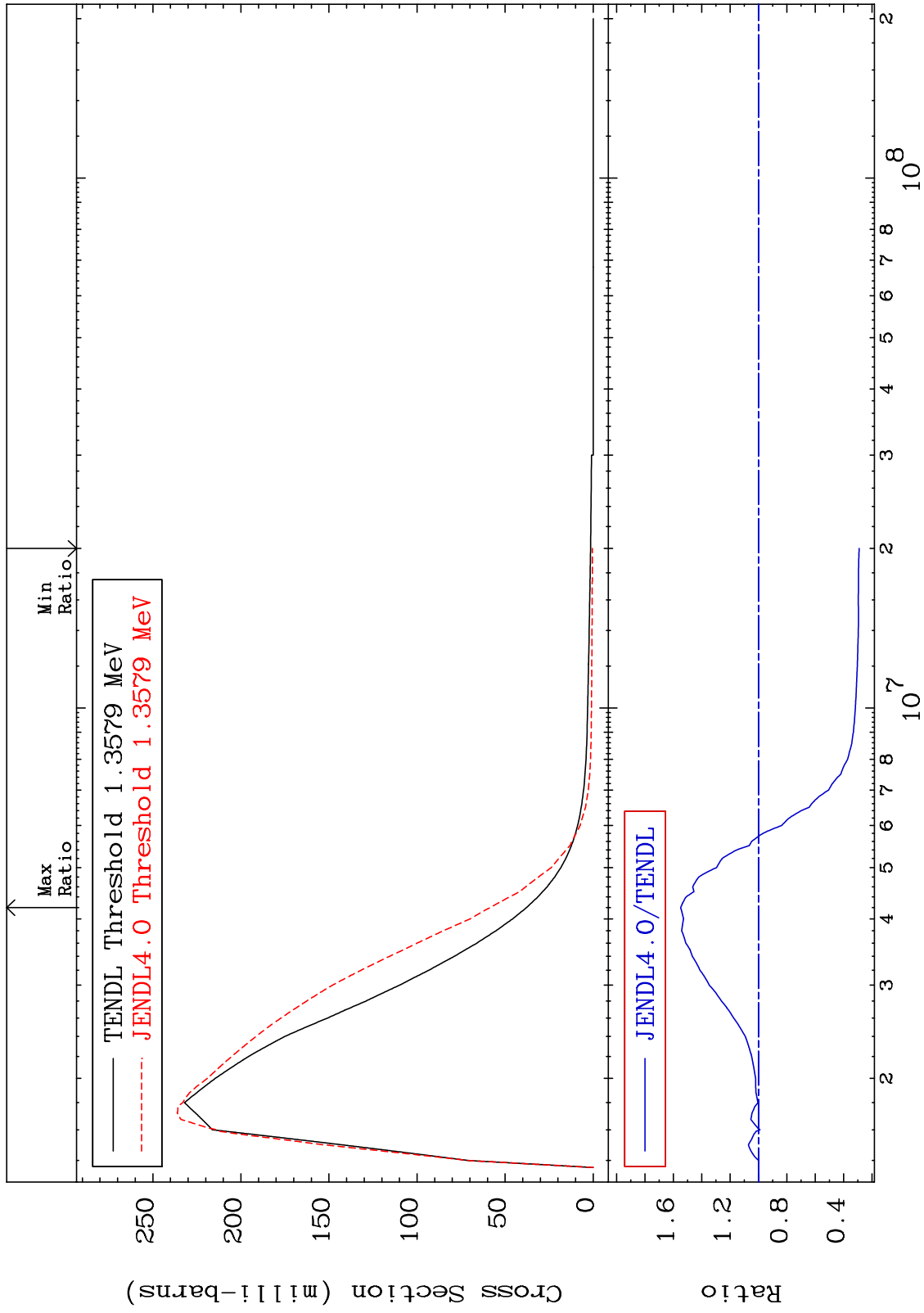
82-Pb-204
-92.86 To 5.078 %



MAT 8225

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

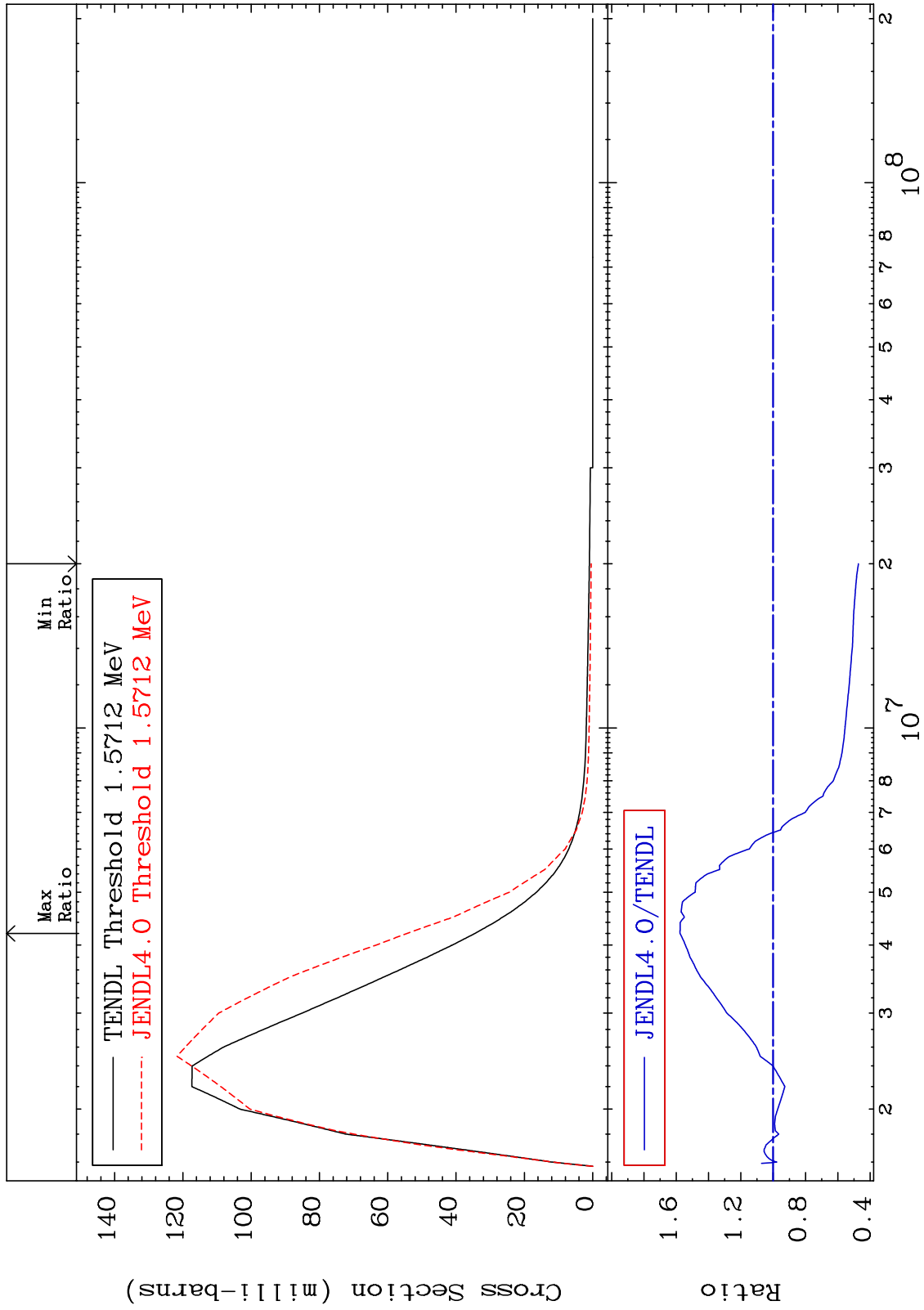
82-Pb-204
-70.89 To 54.91 %



MAT 8225

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

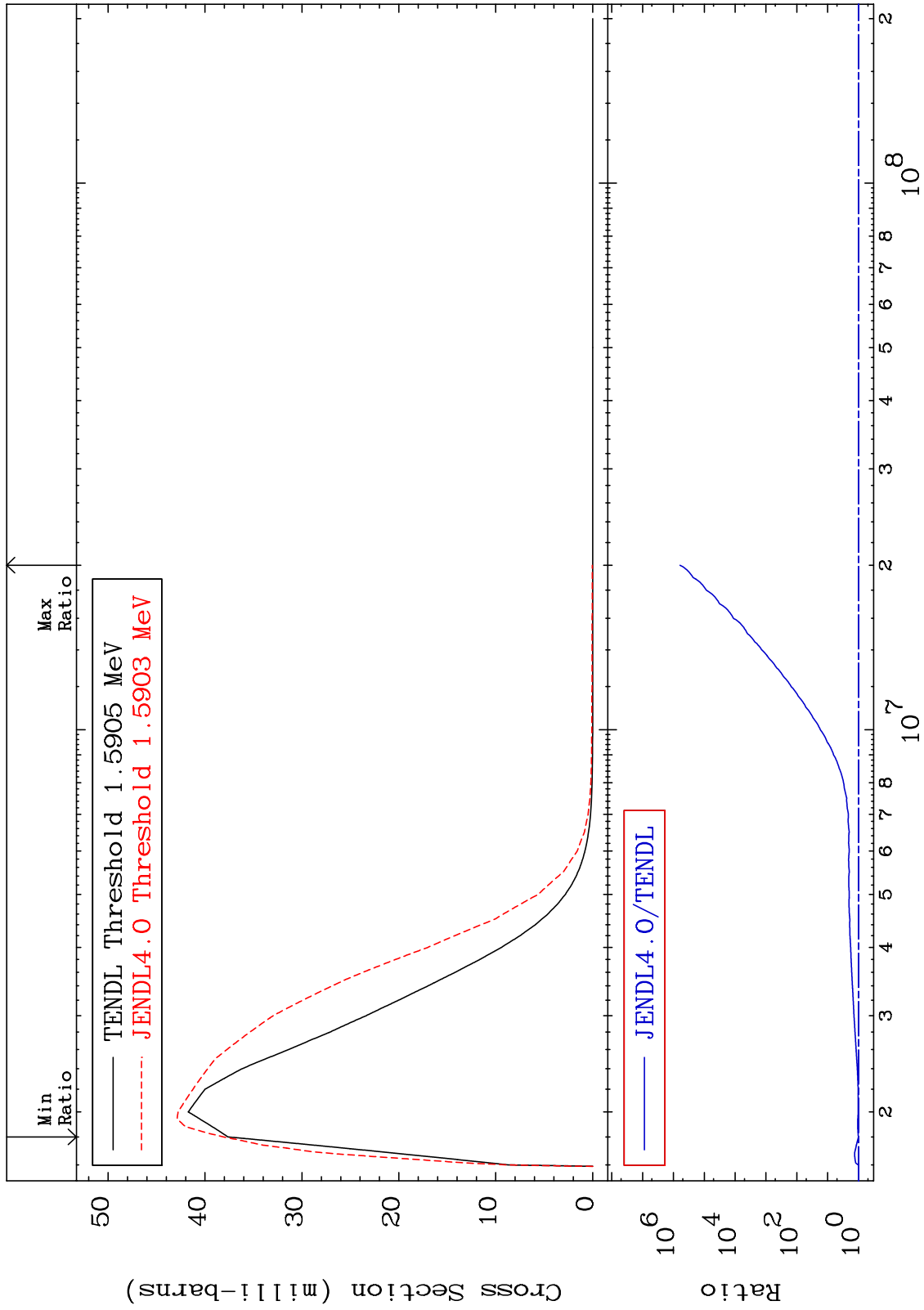
82-Pb-204
-52.75 To 57.65 %



MAT 8225

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

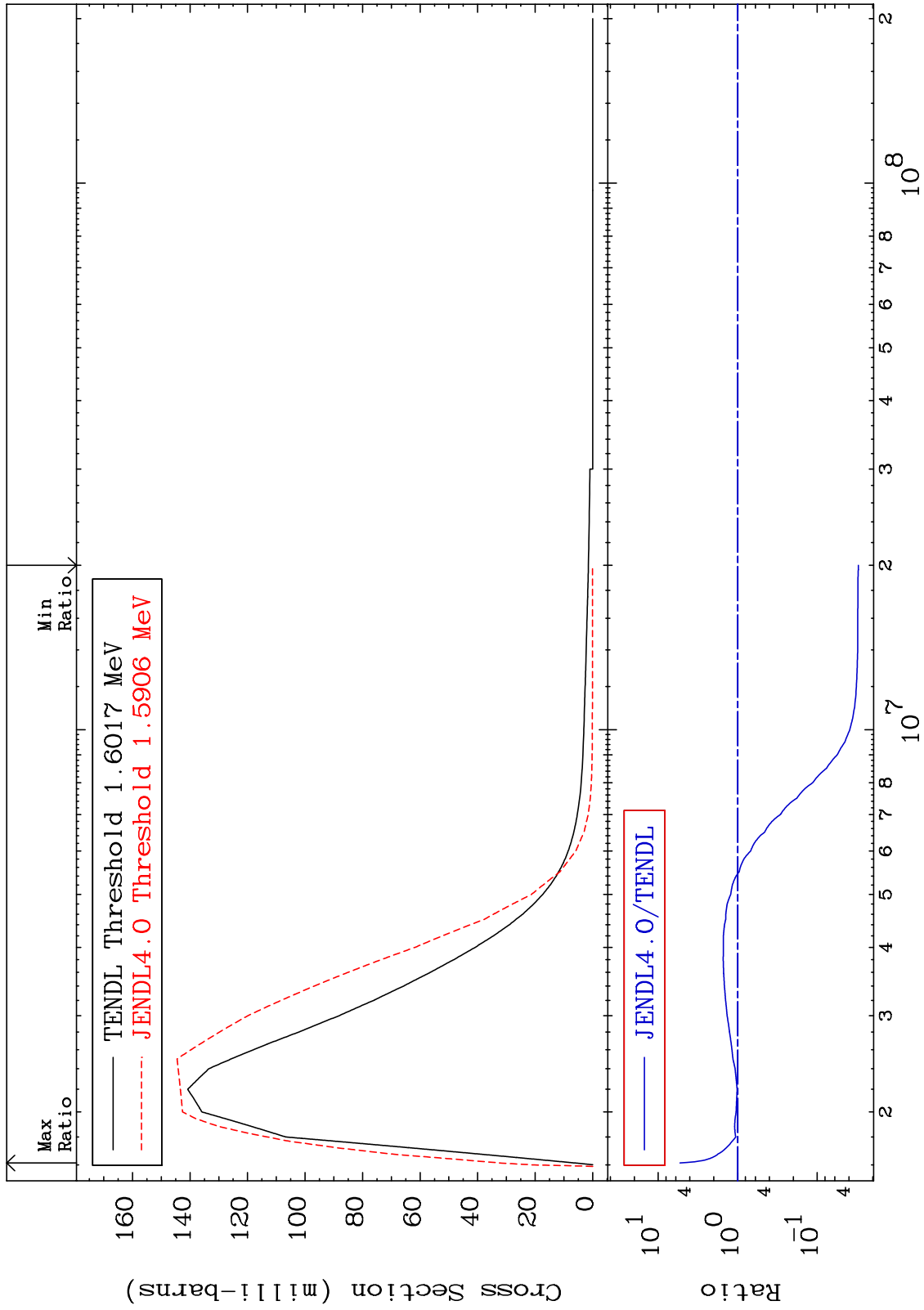
82-Pb-204
1.151 To 9999. %



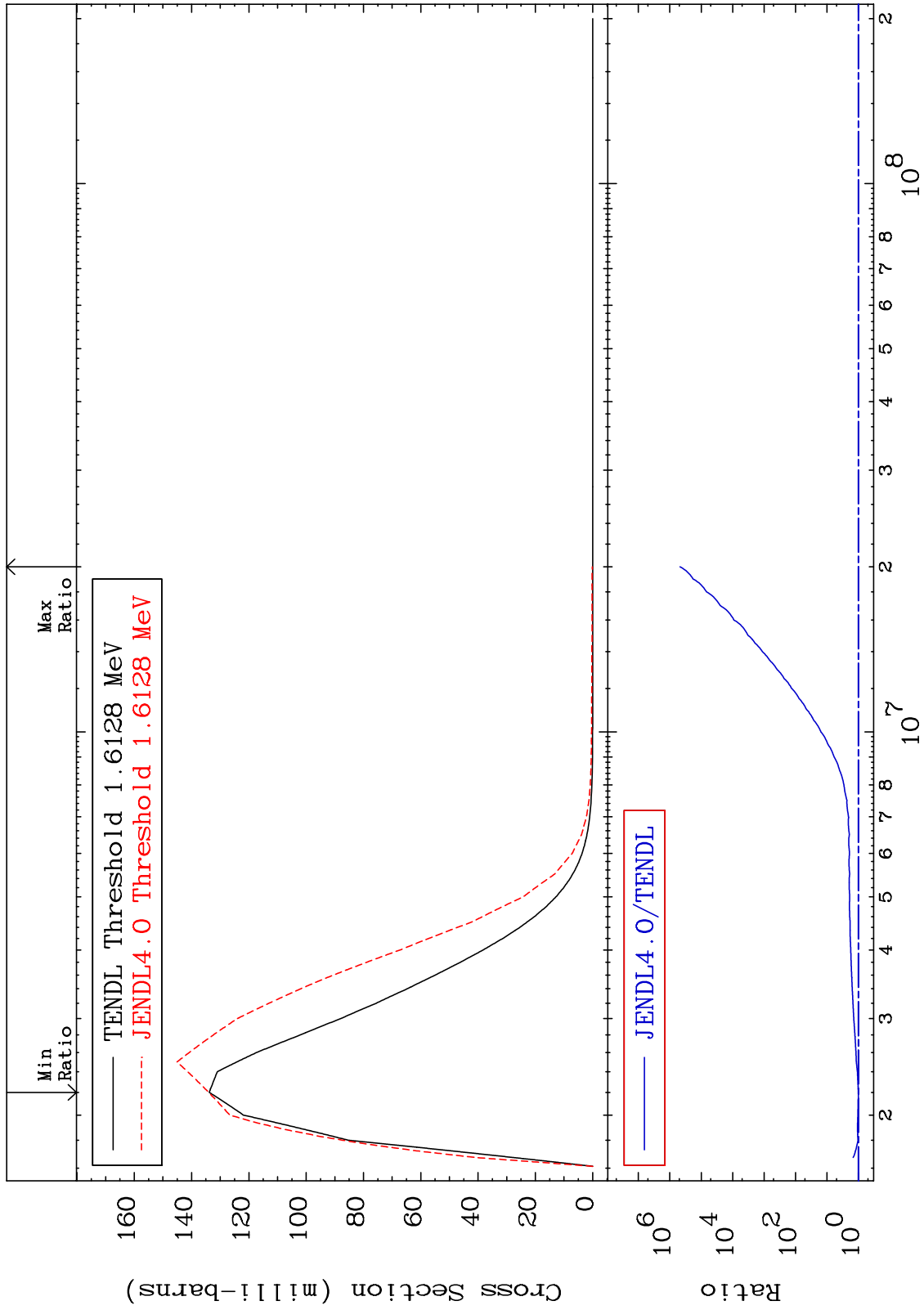
MAT 8225

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

82-Pb-204
-96.96 To 432.1 %



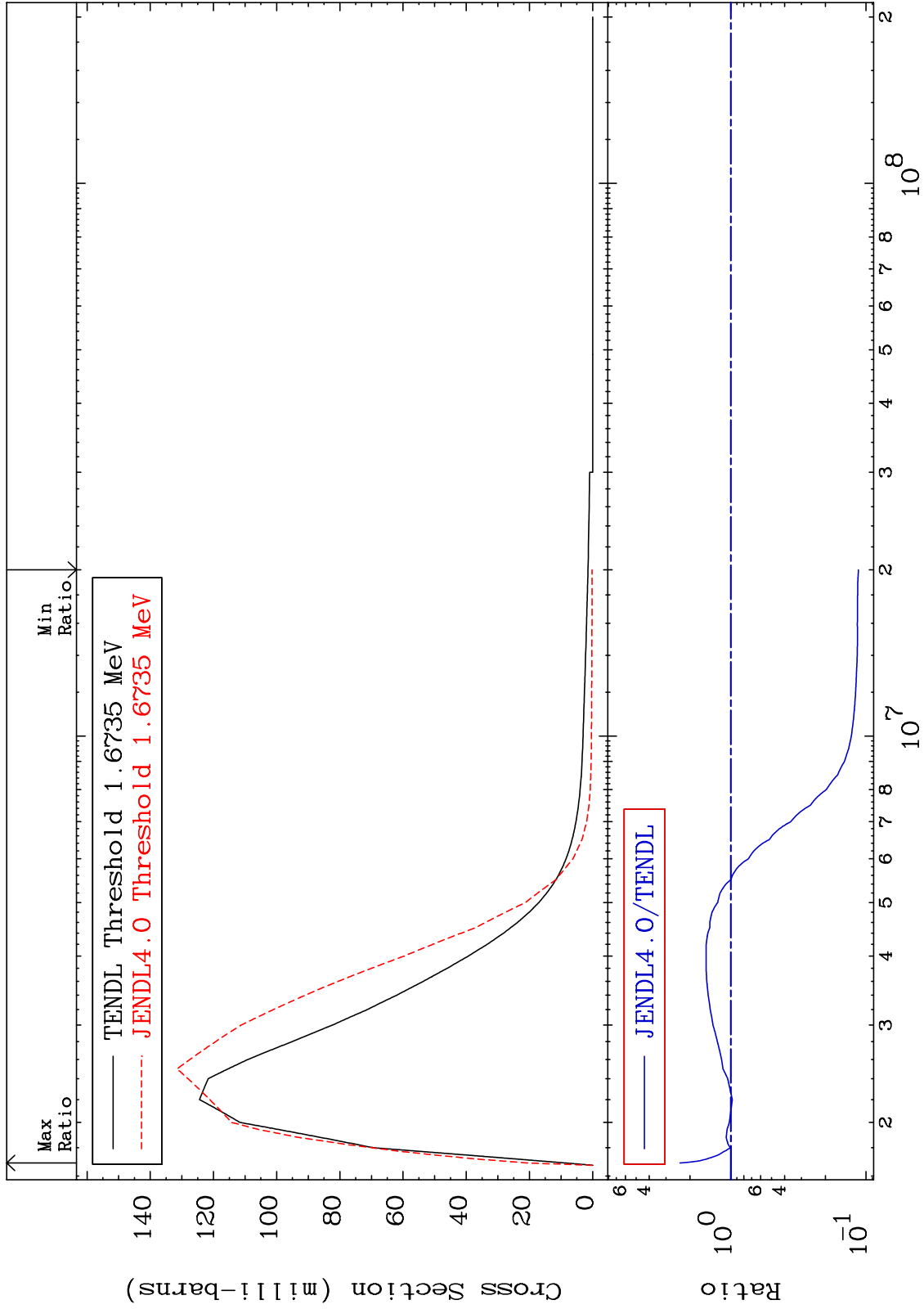
MAT 8225 MT= 57 (n, n') Level Cross Section 82-Pb-204
 0.152 To 9999. %



MAT 8225

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

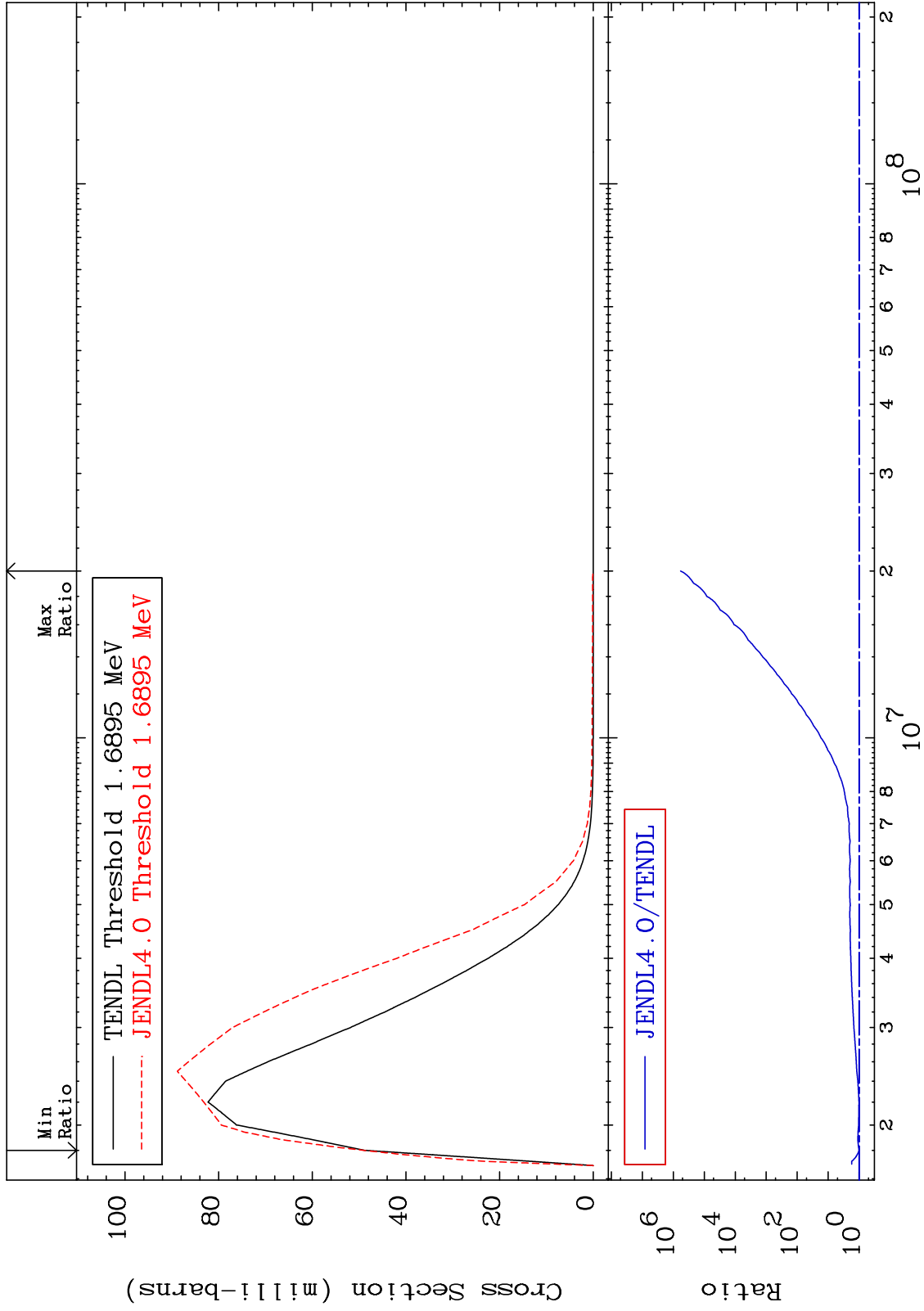
82-Pb-204
-88.61 To 136.8 %



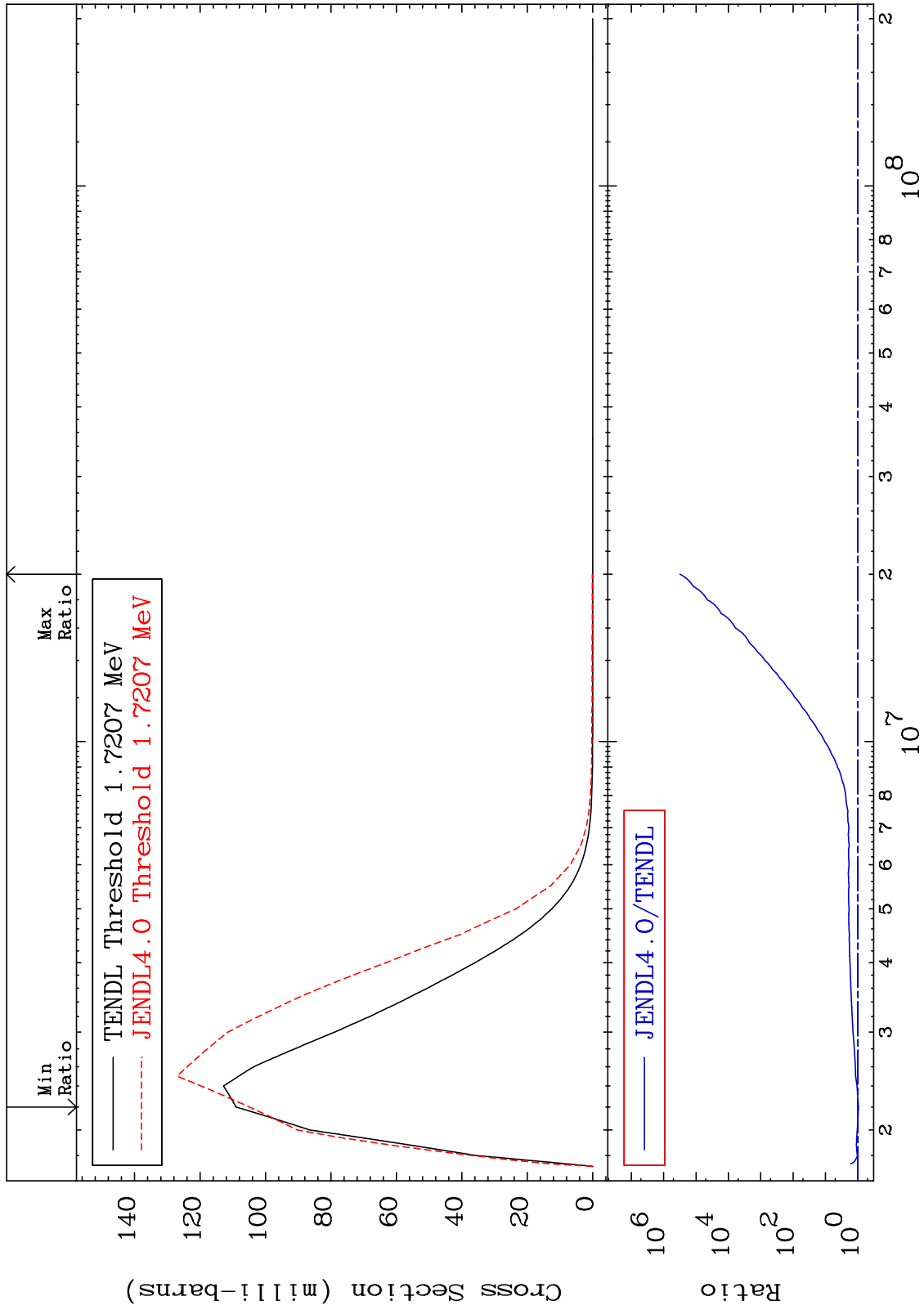
MAT 8225

MT= 59 (n,n') Level
Cross Section

82-Pb-204
0.351 To 9999. %



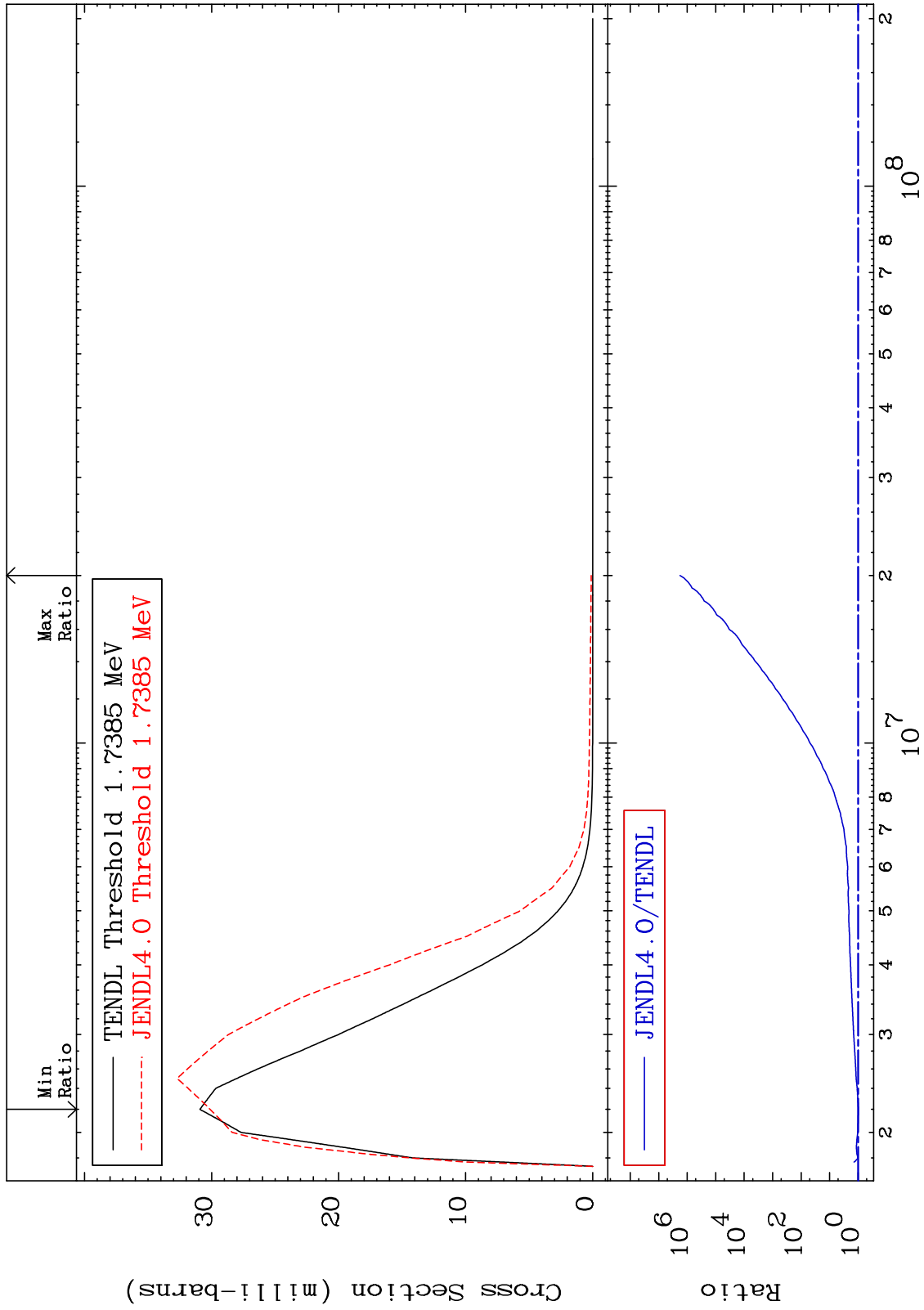
MAT 8225 MT= 60 (n,n') Level 82-Pb-204
 Cross Section -3.688 To 9999. %



MAT 8225

MT= 61 (n,n') Level
Cross Section

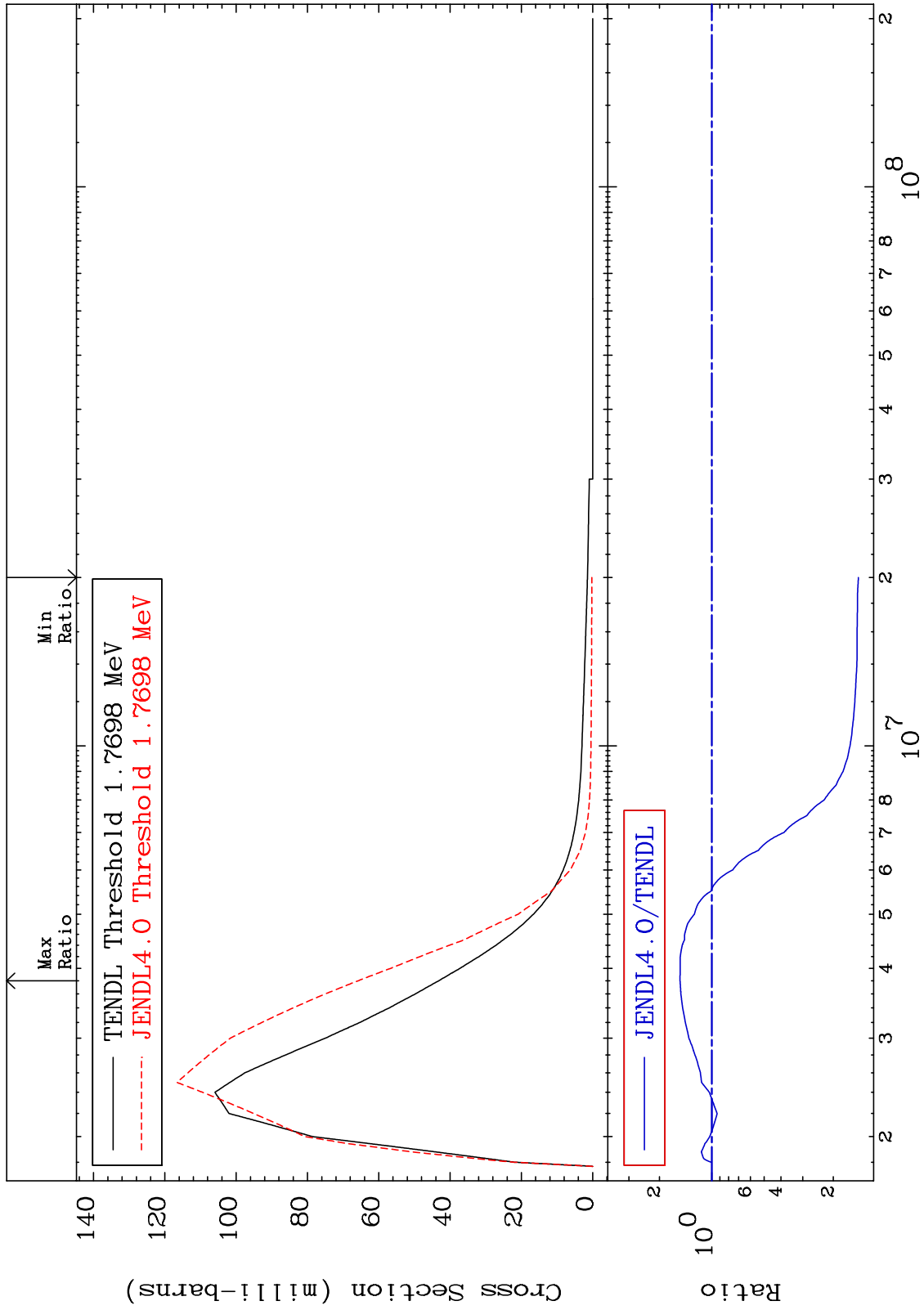
82-Pb-204
-2.608 To 9999. %



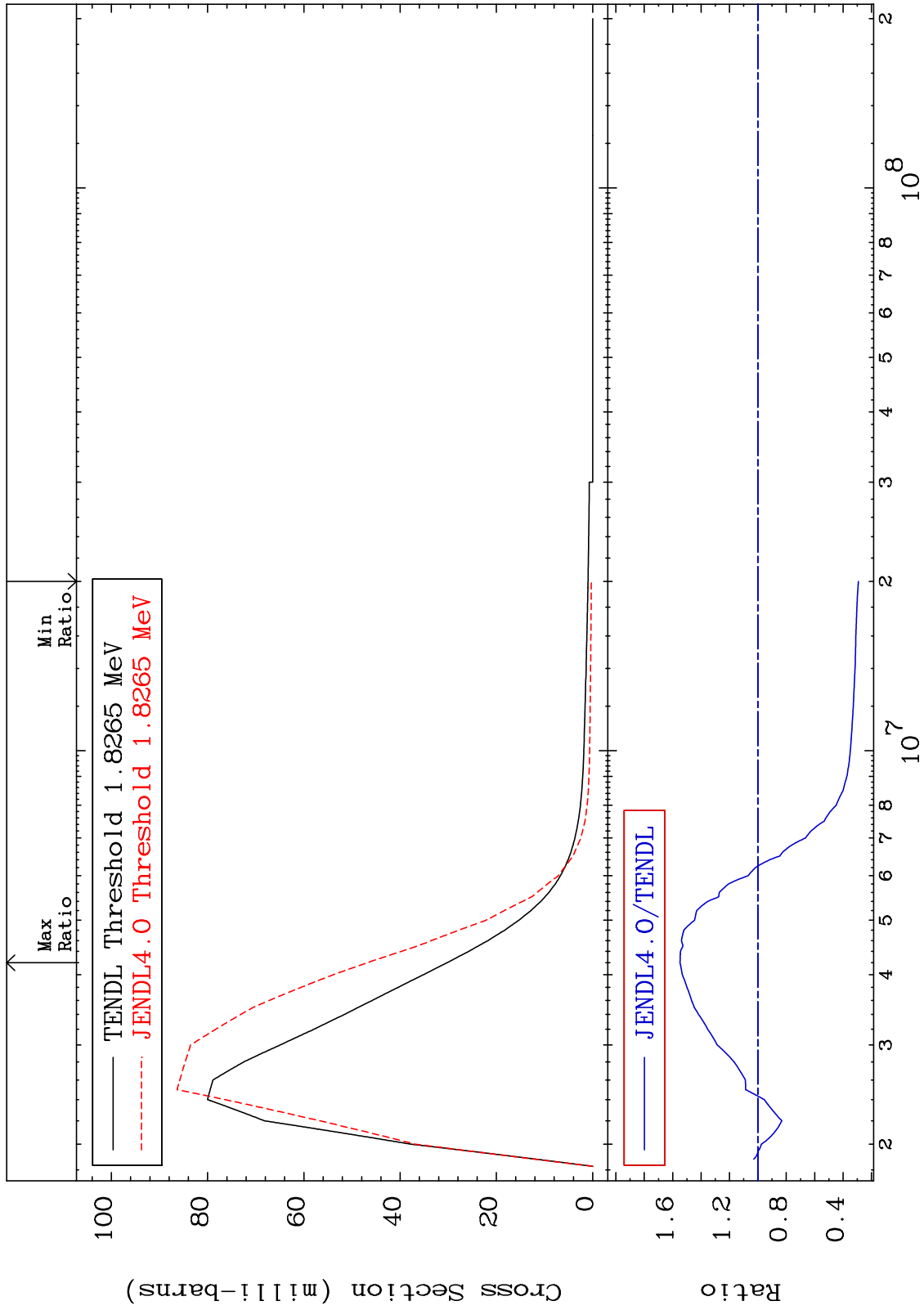
MAT 8225

MT= 62 (n,n') Level
Cross Section

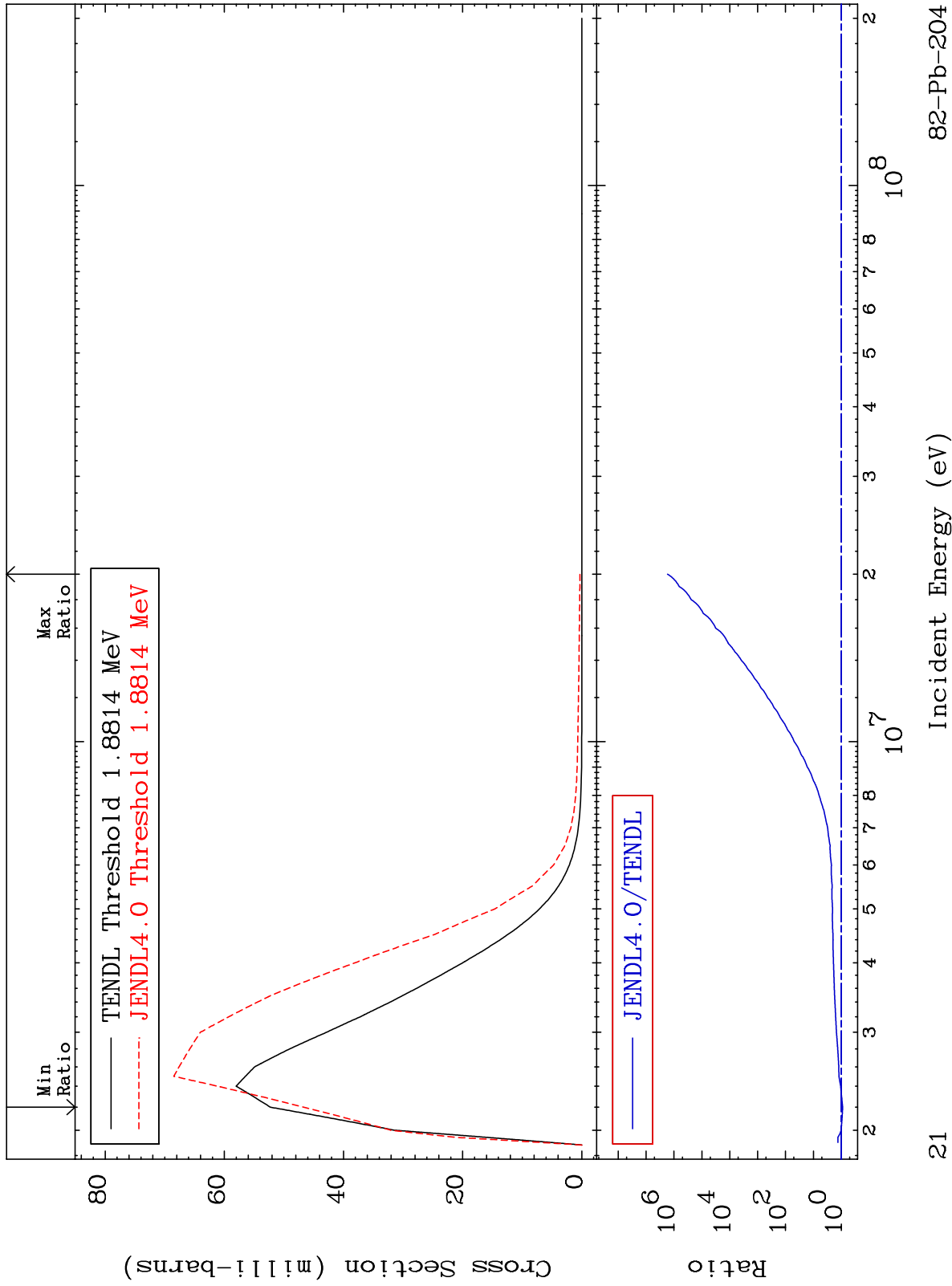
82-Pb-204
-85.67 To 52.40 %



MAT 8225 MT= 63 (n,n') Level Cross Section 82-Pb-204
 -70.81 To 54.83 %



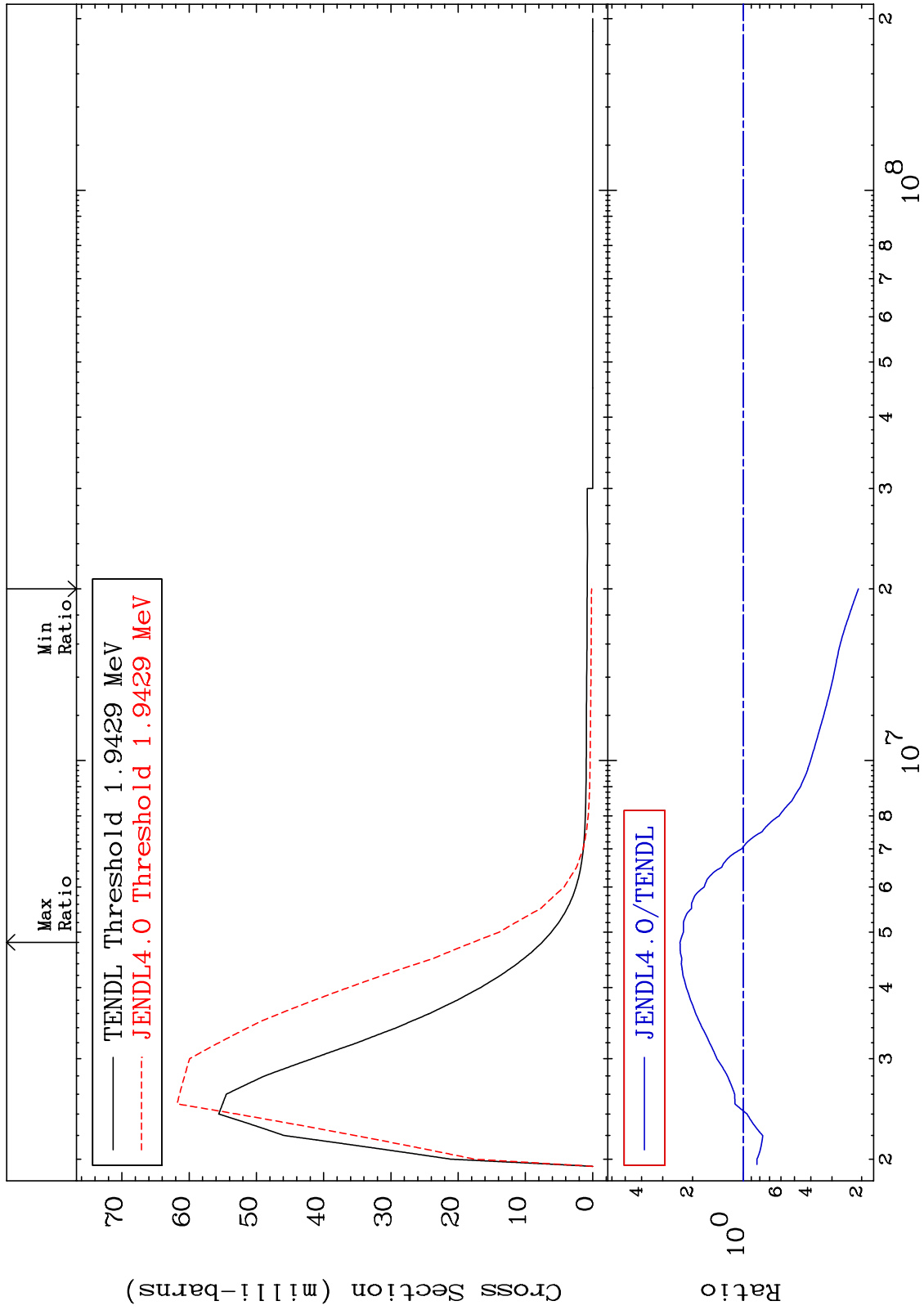
MAT 8225 MT= 64 (n,n') Level Cross Section 82-Pb-204
 -10.81 To 9999. %



MAT 8225

MT= 65 (n,n') Level
Cross Section

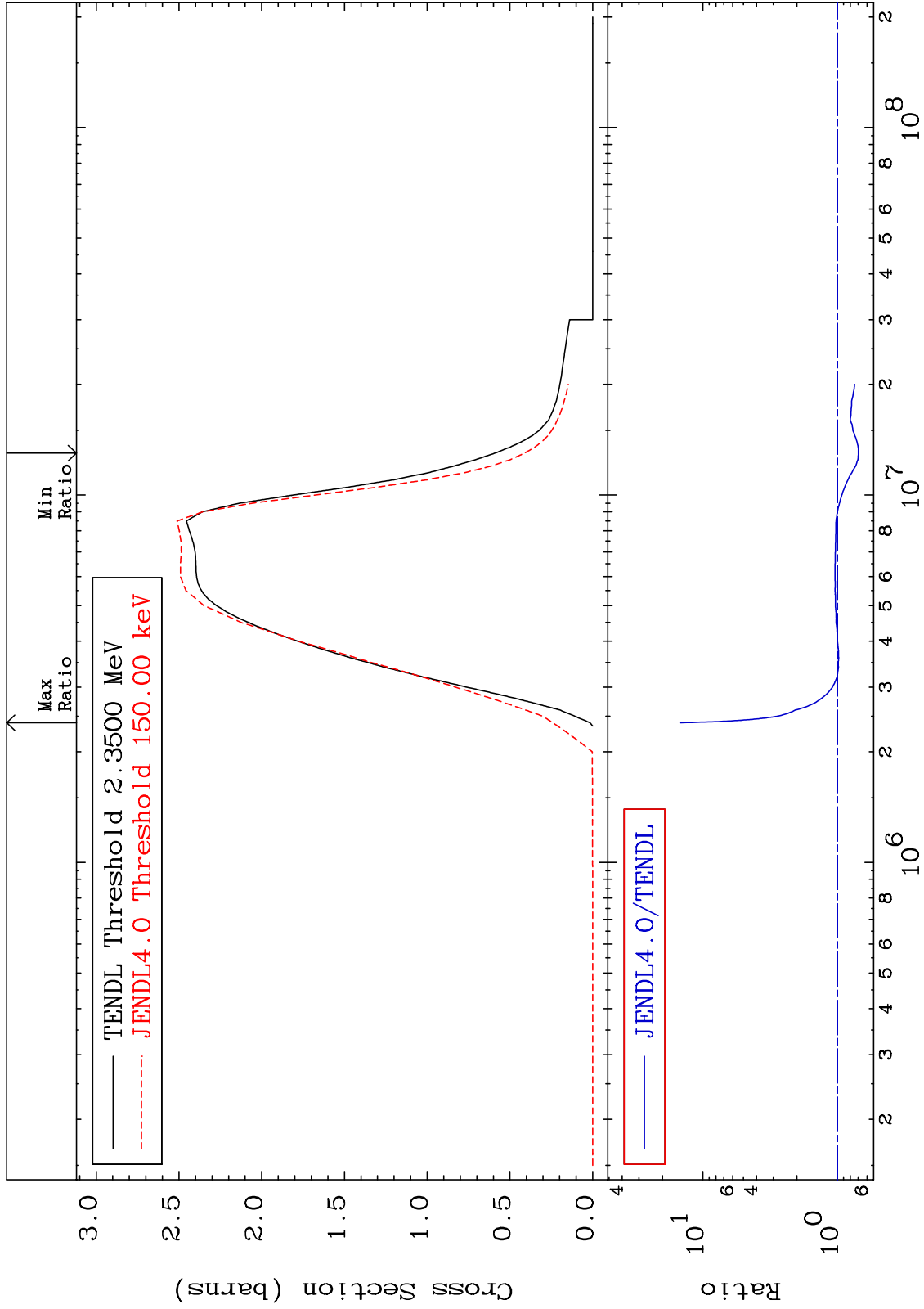
82-Pb-204
-79.08 To 137.2 %



MAT 8225

(n, n') Continuum
Cross Section

82-Pb-204
-30.30 To 1382. %



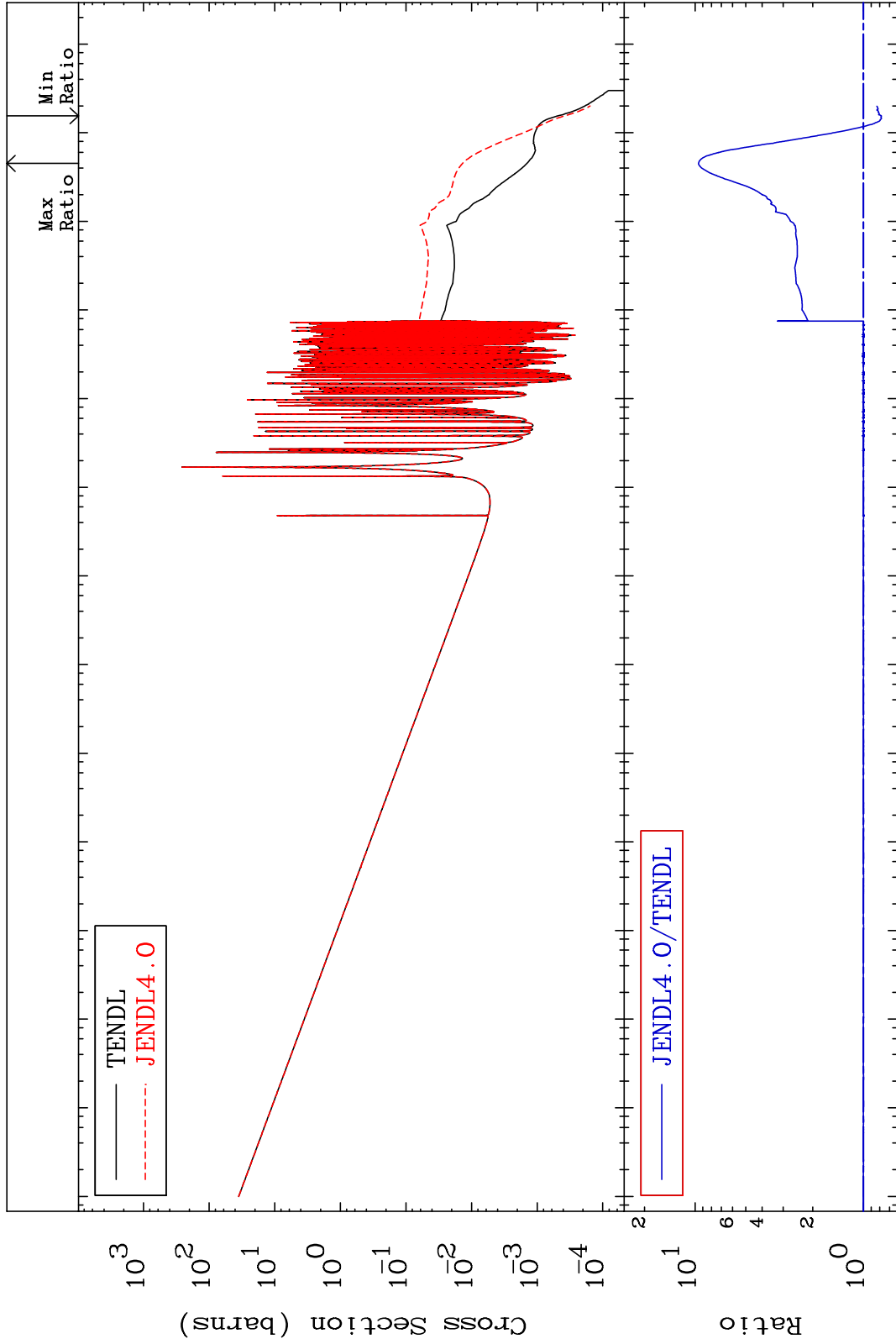
MAT 8225

(n, γ)

82-Pb-204

Cross Section

-21.91 To 857.4 %



24

Incident Energy (eV)

82-Pb-204

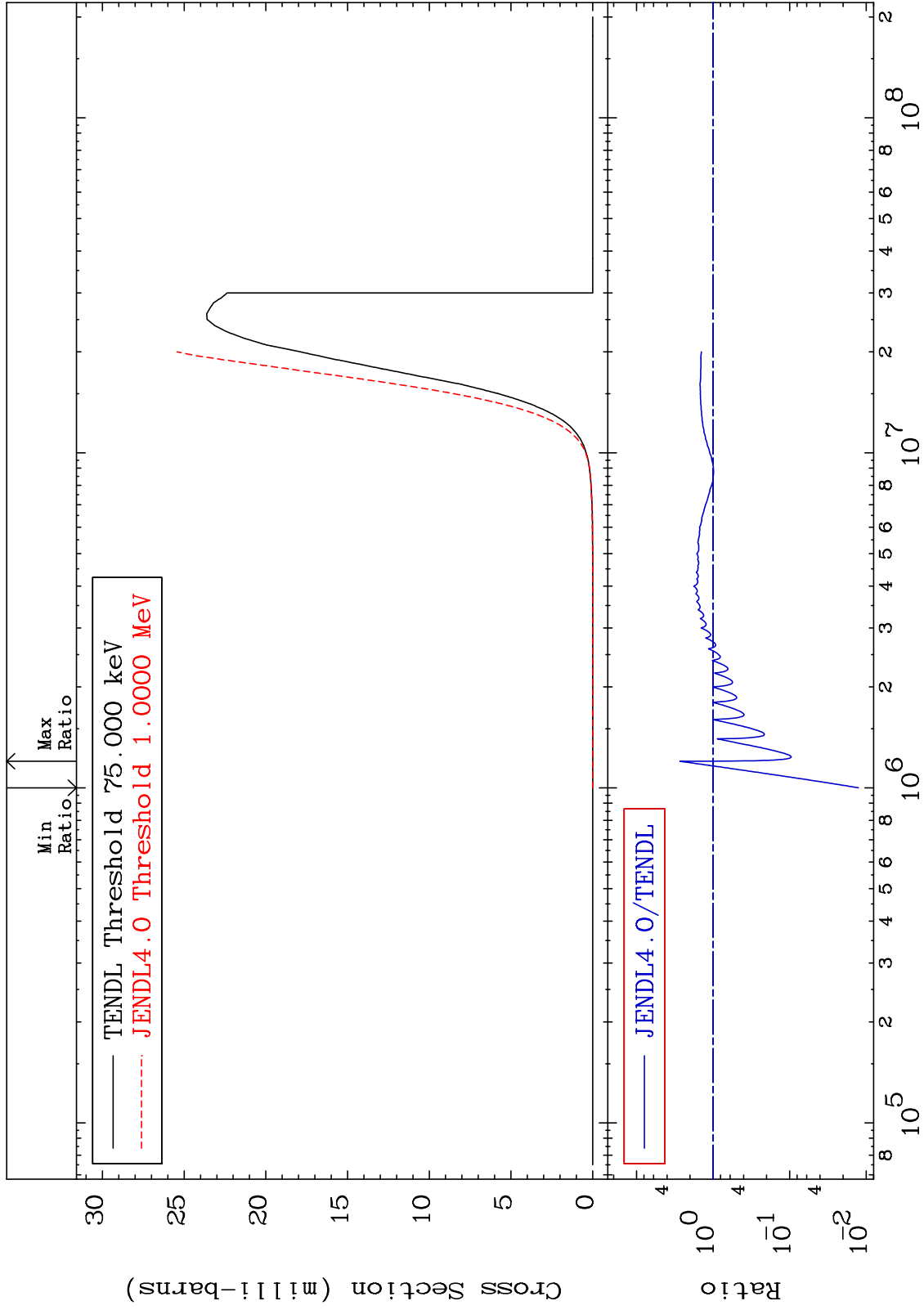
MAT 8225

(n,p)

82-Pb-204

Cross Section

-98.74 To 170.7 %



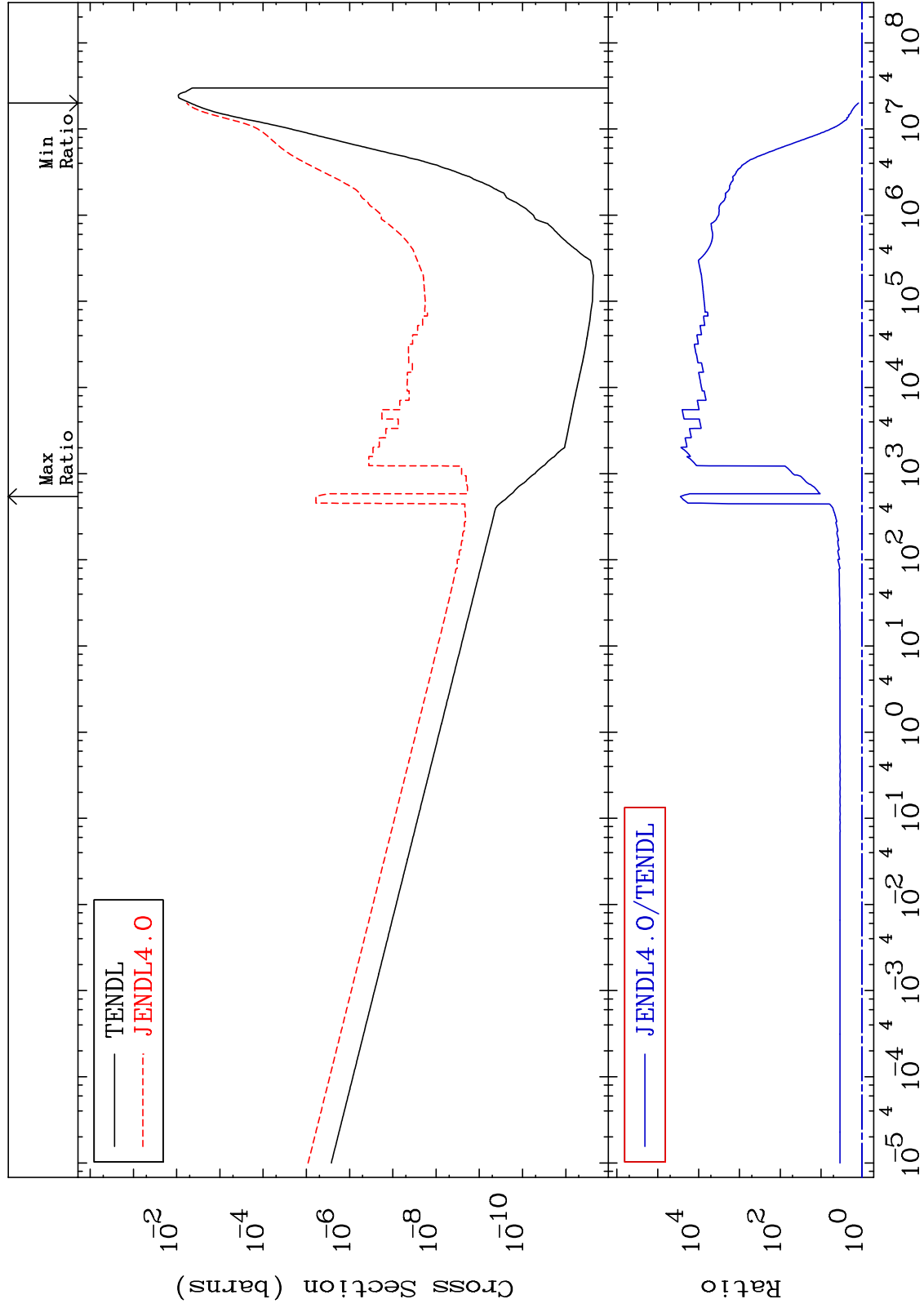
25

82-Pb-204

MAT 8225

(n, α)
Cross Section

82-Pb-204
21.43 To 9999. %



82-Pb-204

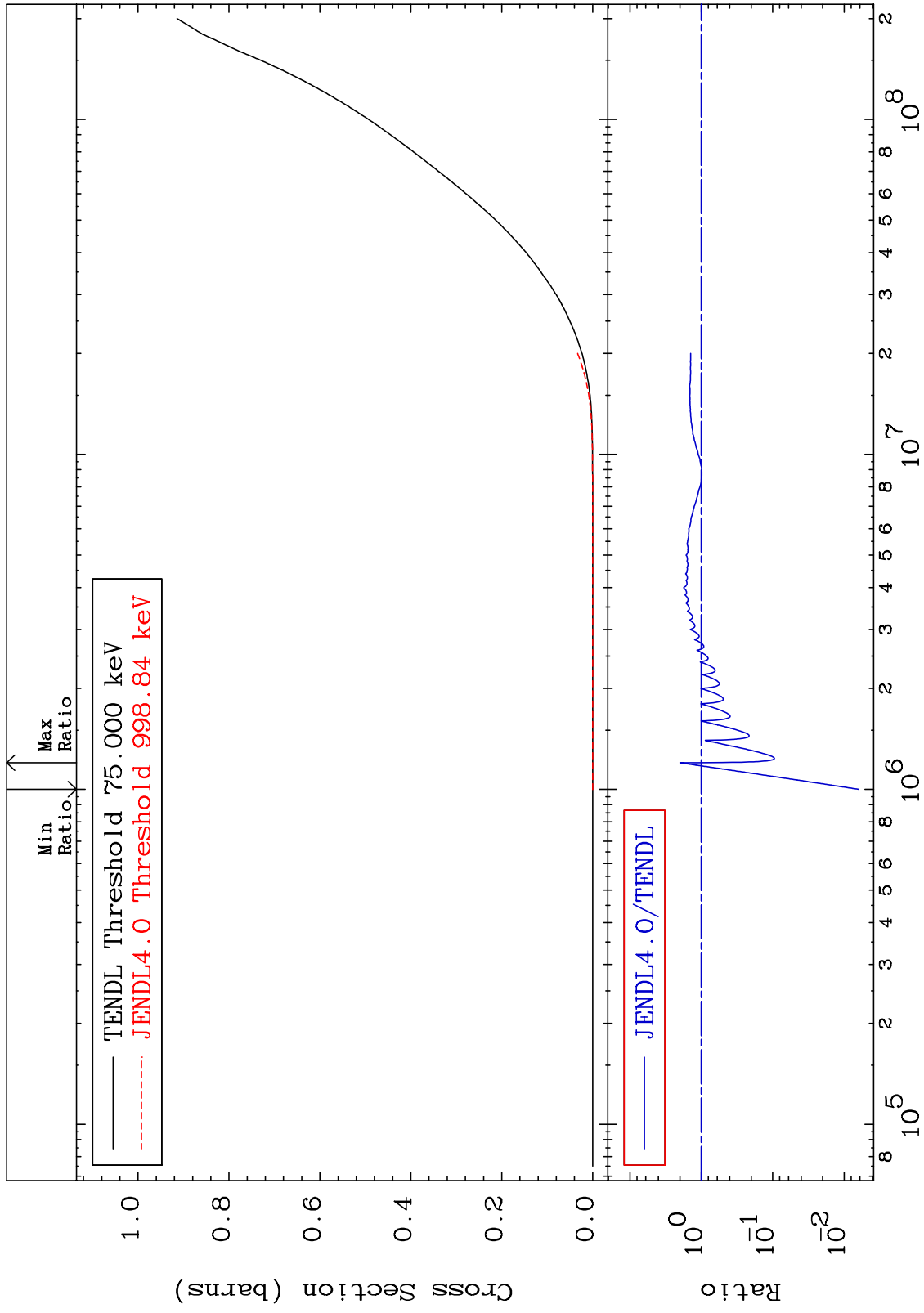
Incident Energy (eV)

26

MAT 8225

Hydrogen Production
Cross Section

82-Pb-204
-99.37 To 99.07 %



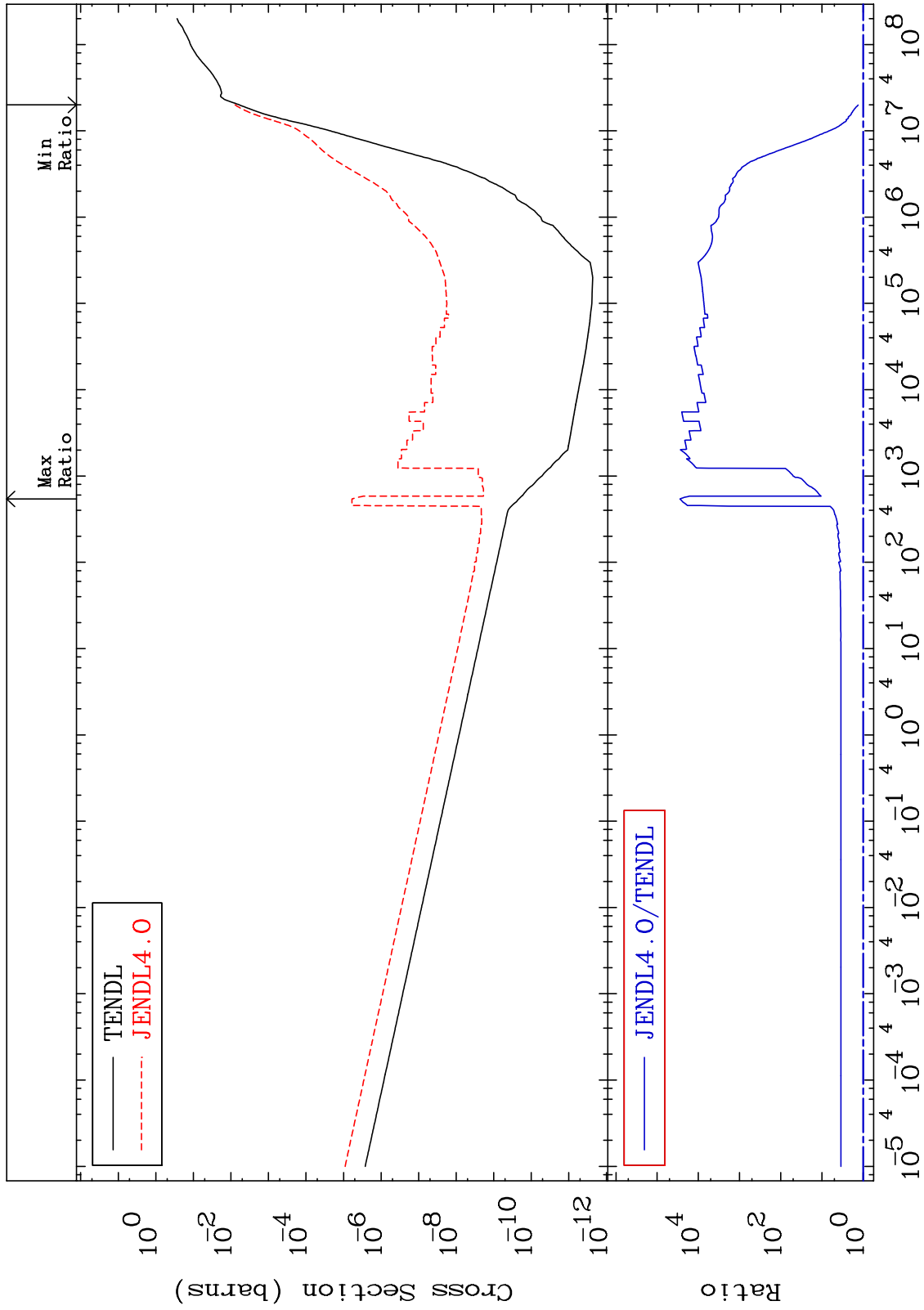
27

82-Pb-204

MAT 8225

He-4 Production
Cross Section

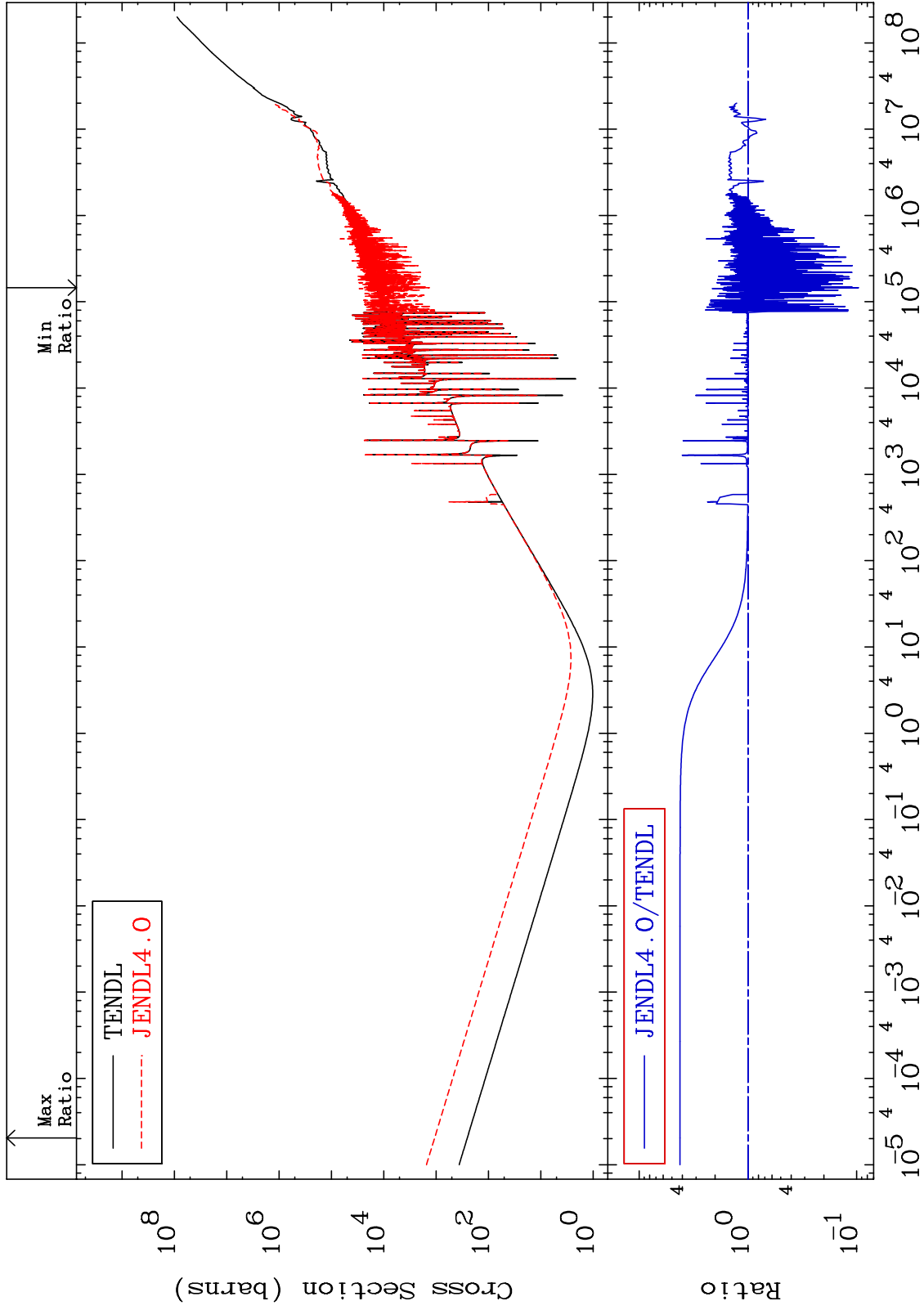
82-Pb-204
29.83 To 9999. %



MAT 8225

Kerma total (eV-barns)
Cross Section

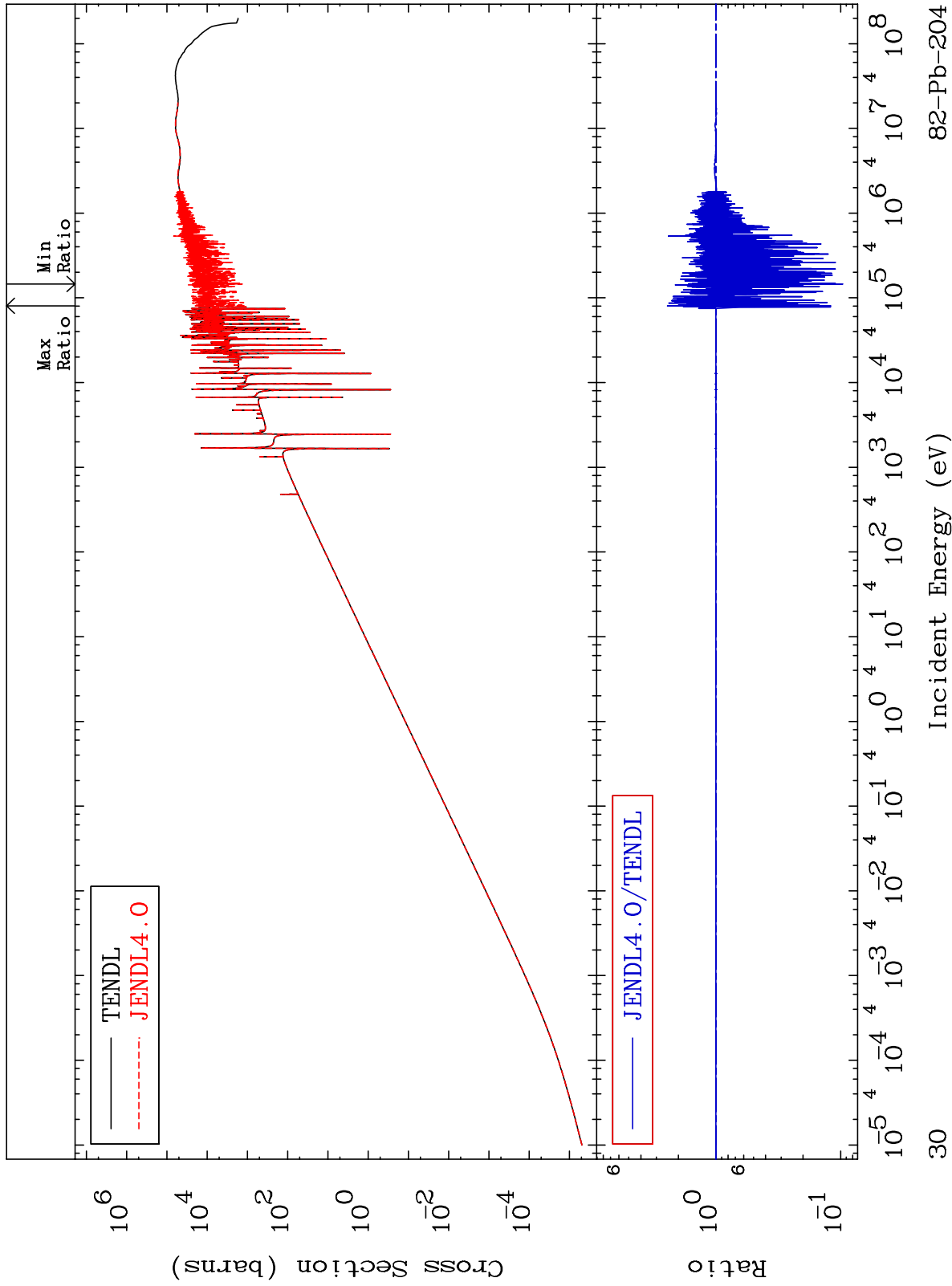
82-Pb-204
-90.35 To 320.7 %



MAT 8225

Kerma elastic
Cross Section

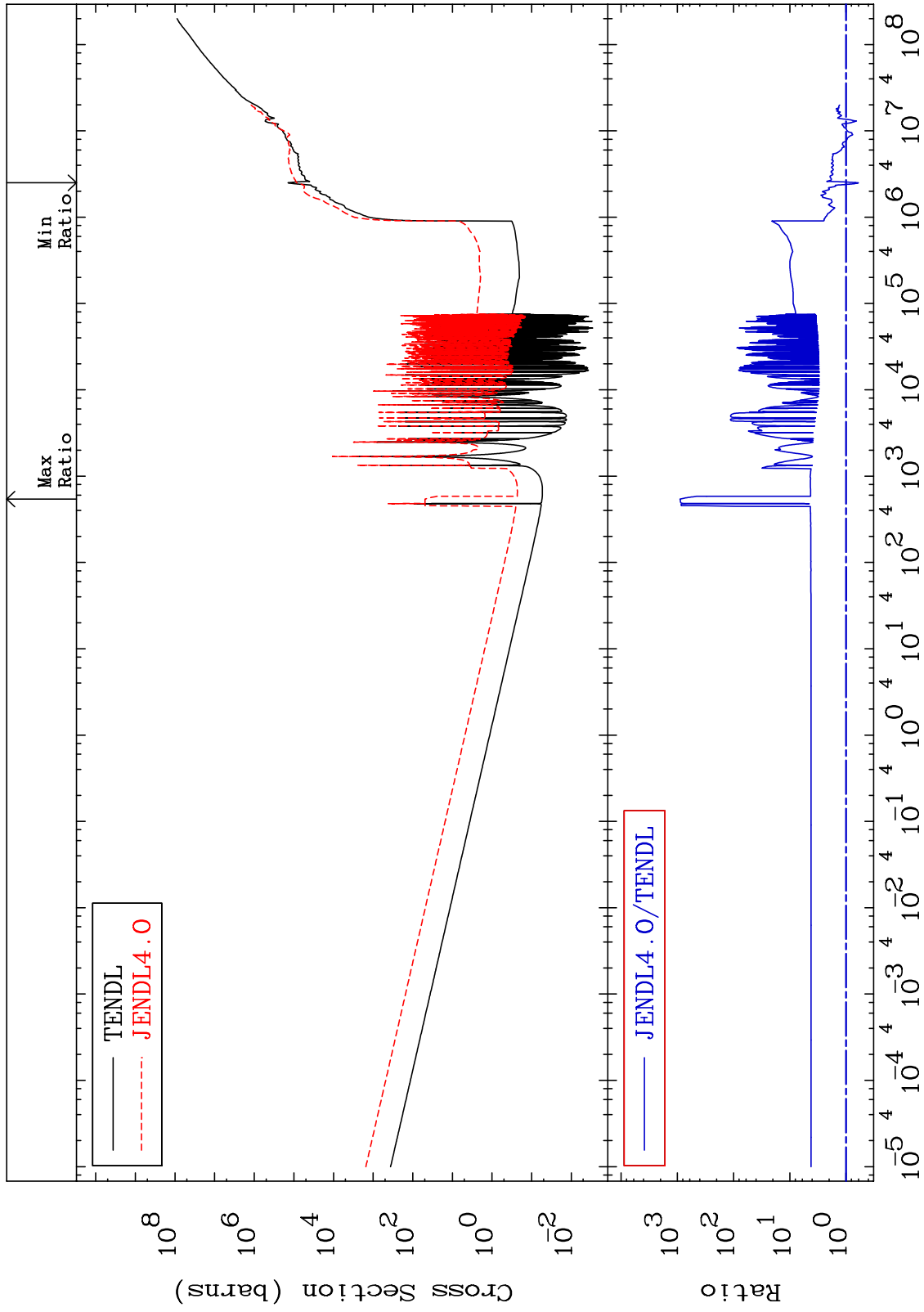
82-Pb-204
-90.37 To 144.4 %

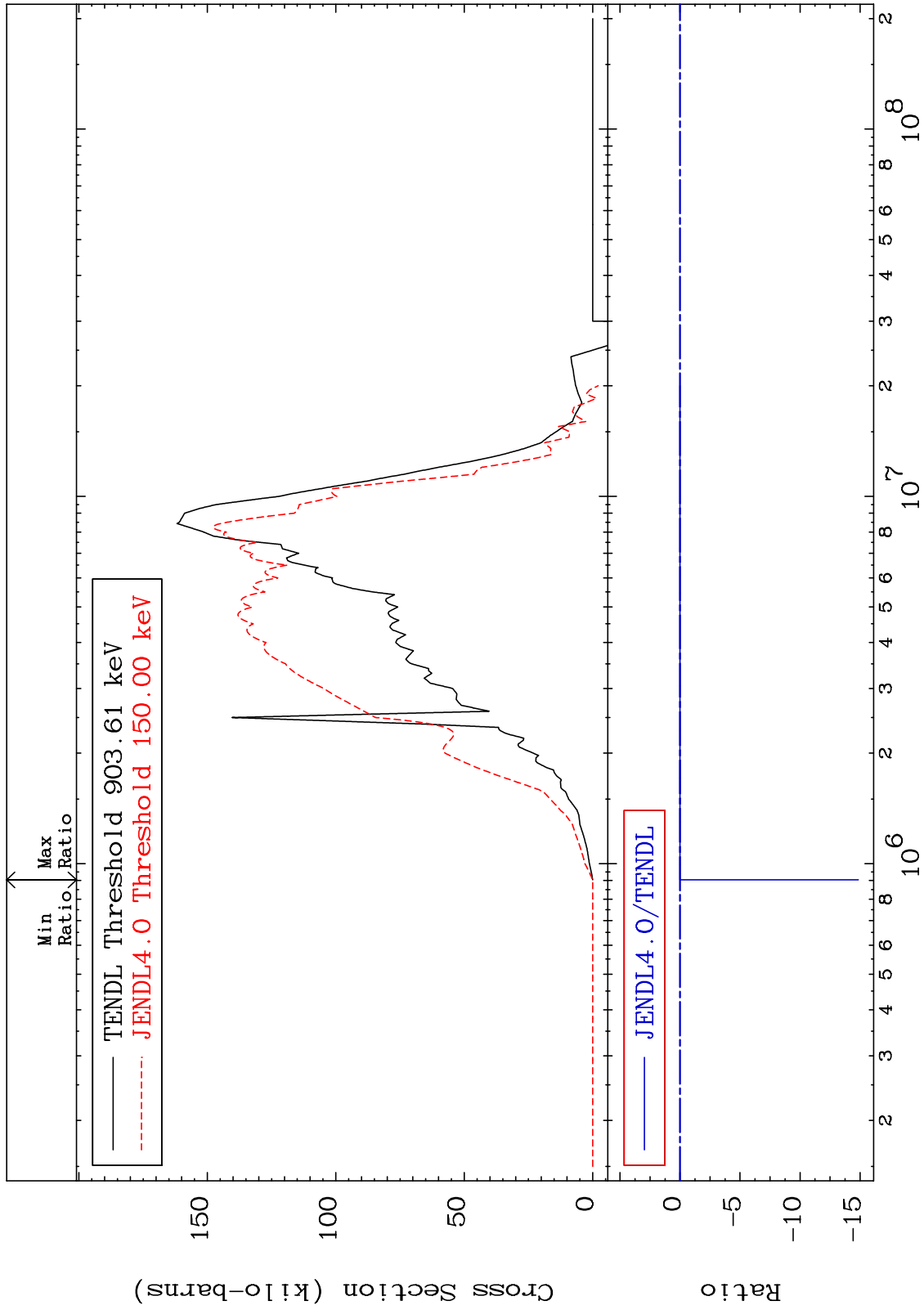


MAT 8225

Kerma non-elastic (all but mt2)
Cross Section

82-Pb-204
-39.75 To 9999. %

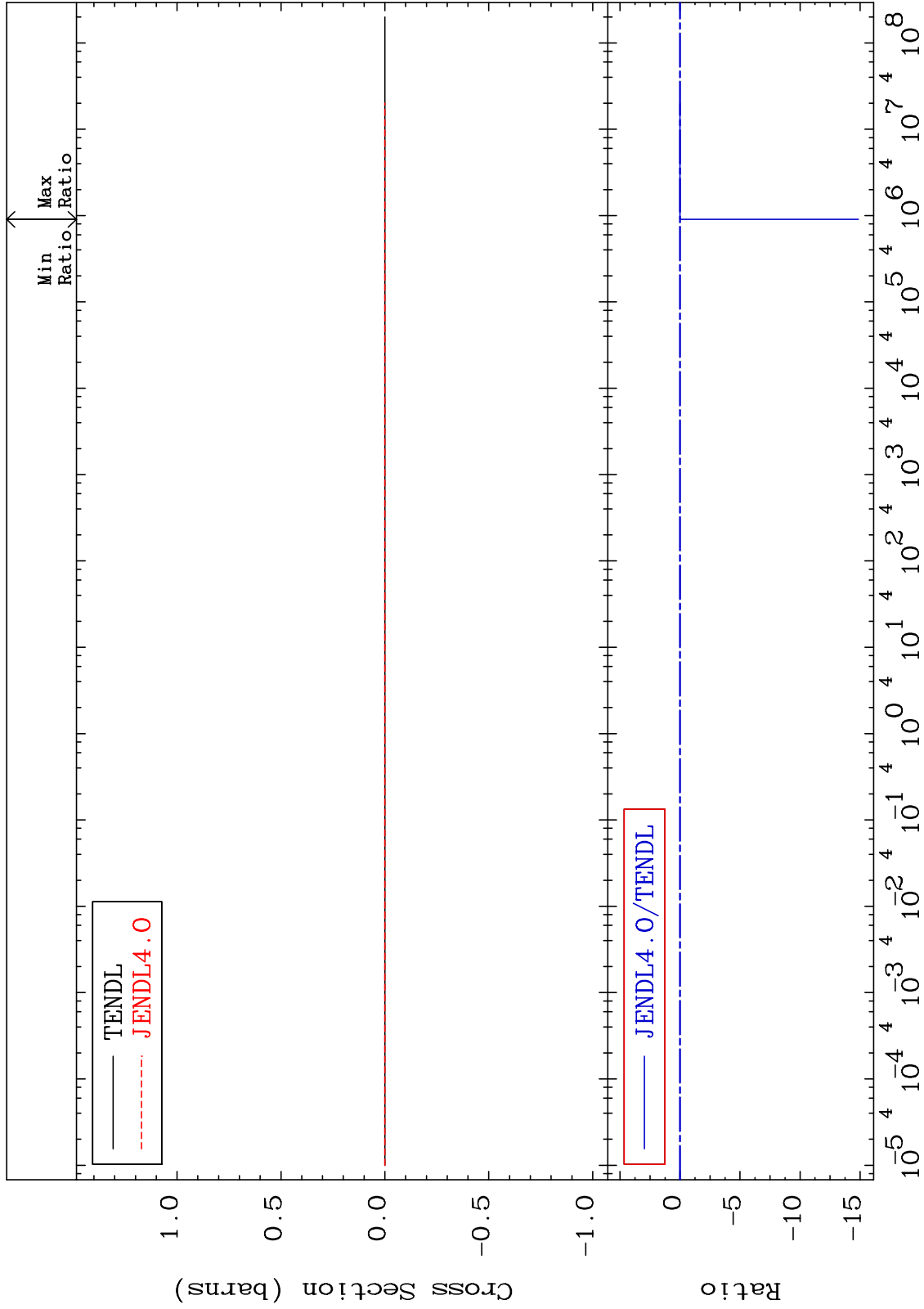




MAT 8225

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

82-Pb-204
-9999. To 4483. %



33

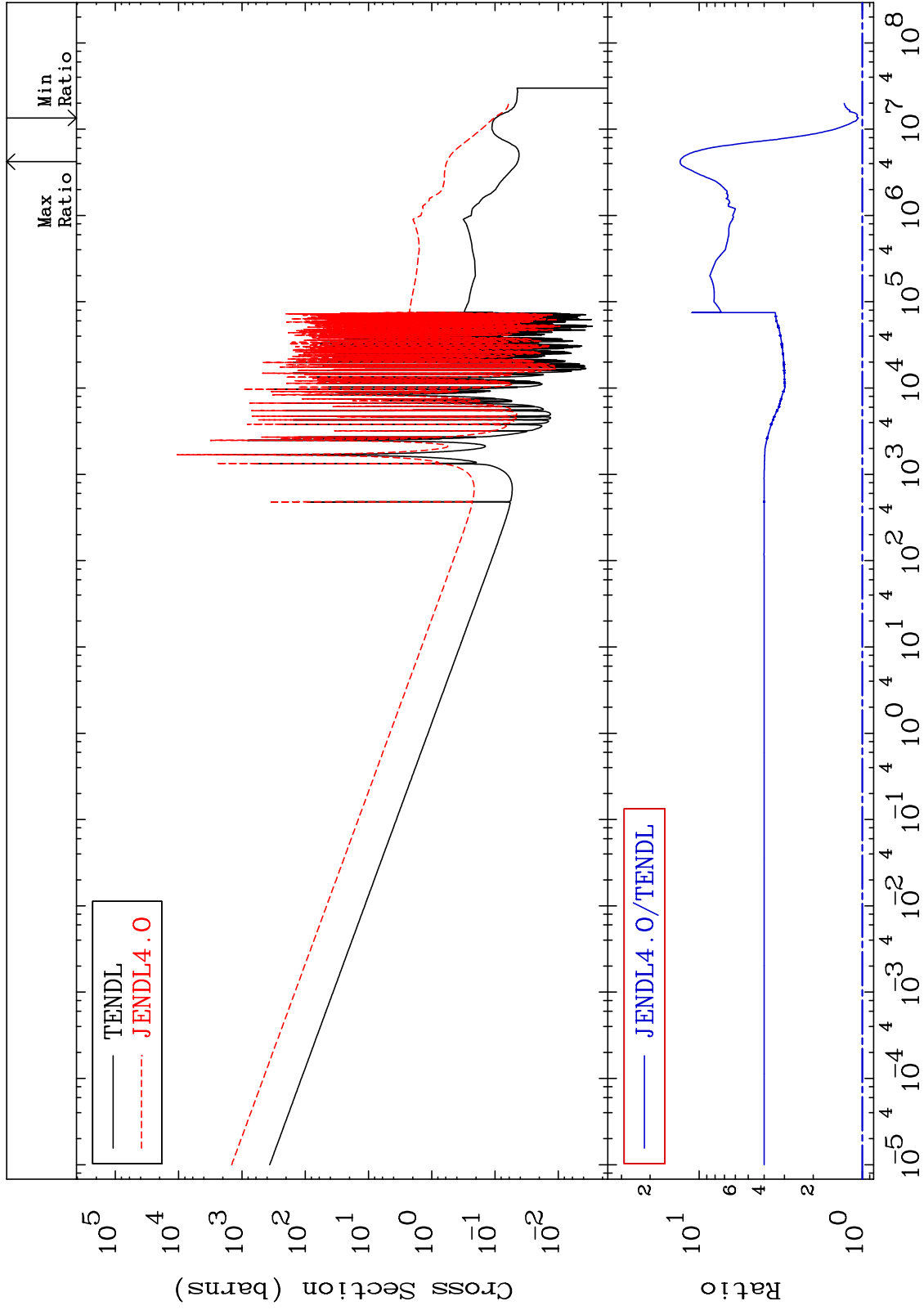
Incident Energy (eV)

82-Pb-204

MAT 8225

Kerma capture (mt102)
Cross Section

82-Pb-204
5.578 To 1212. %



34

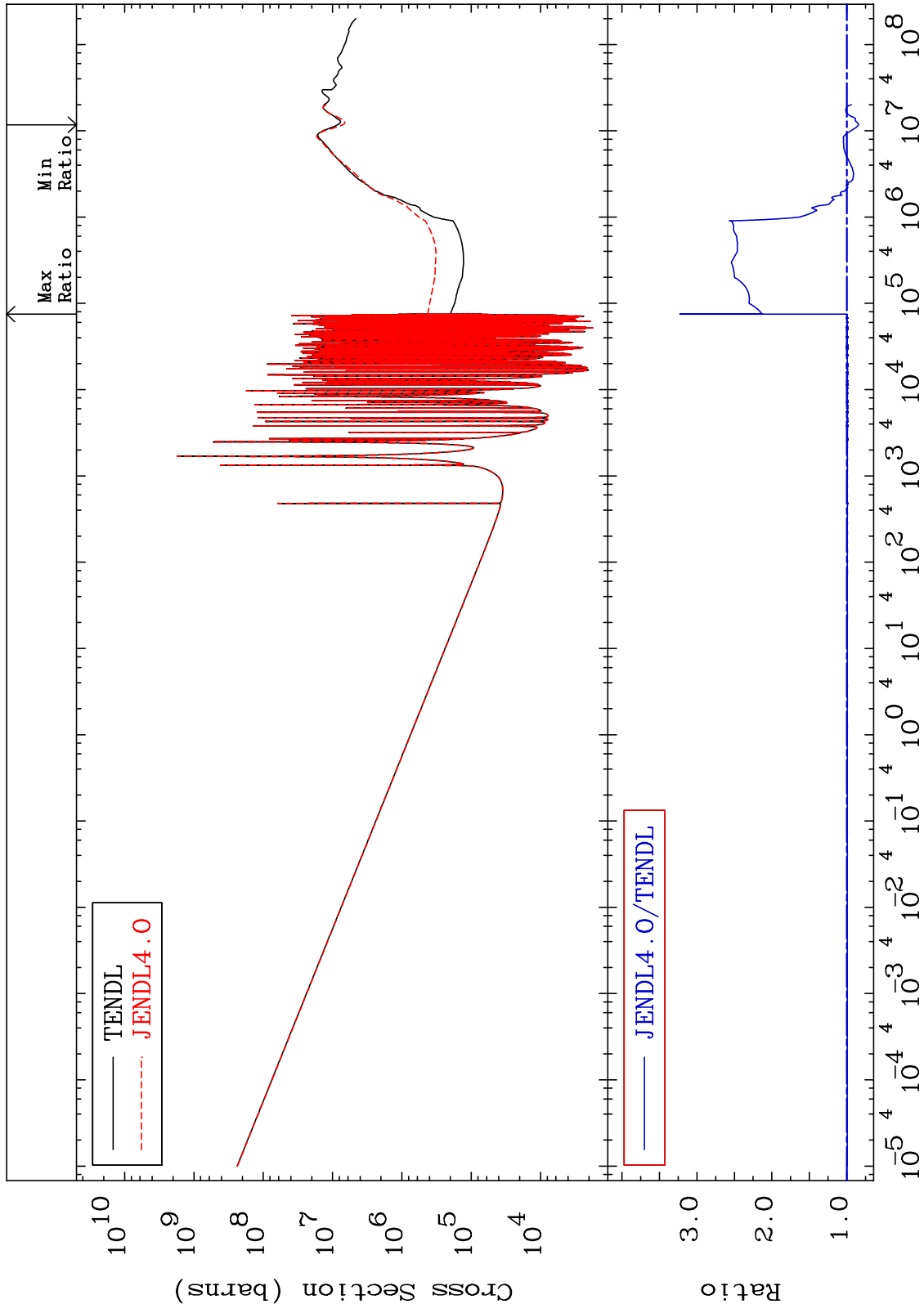
Incident Energy (eV)

82-Pb-204

MAT 8225

Total photon (eV-barns)
Cross Section

82-Pb-204
-15.41 To 222.5 %



35

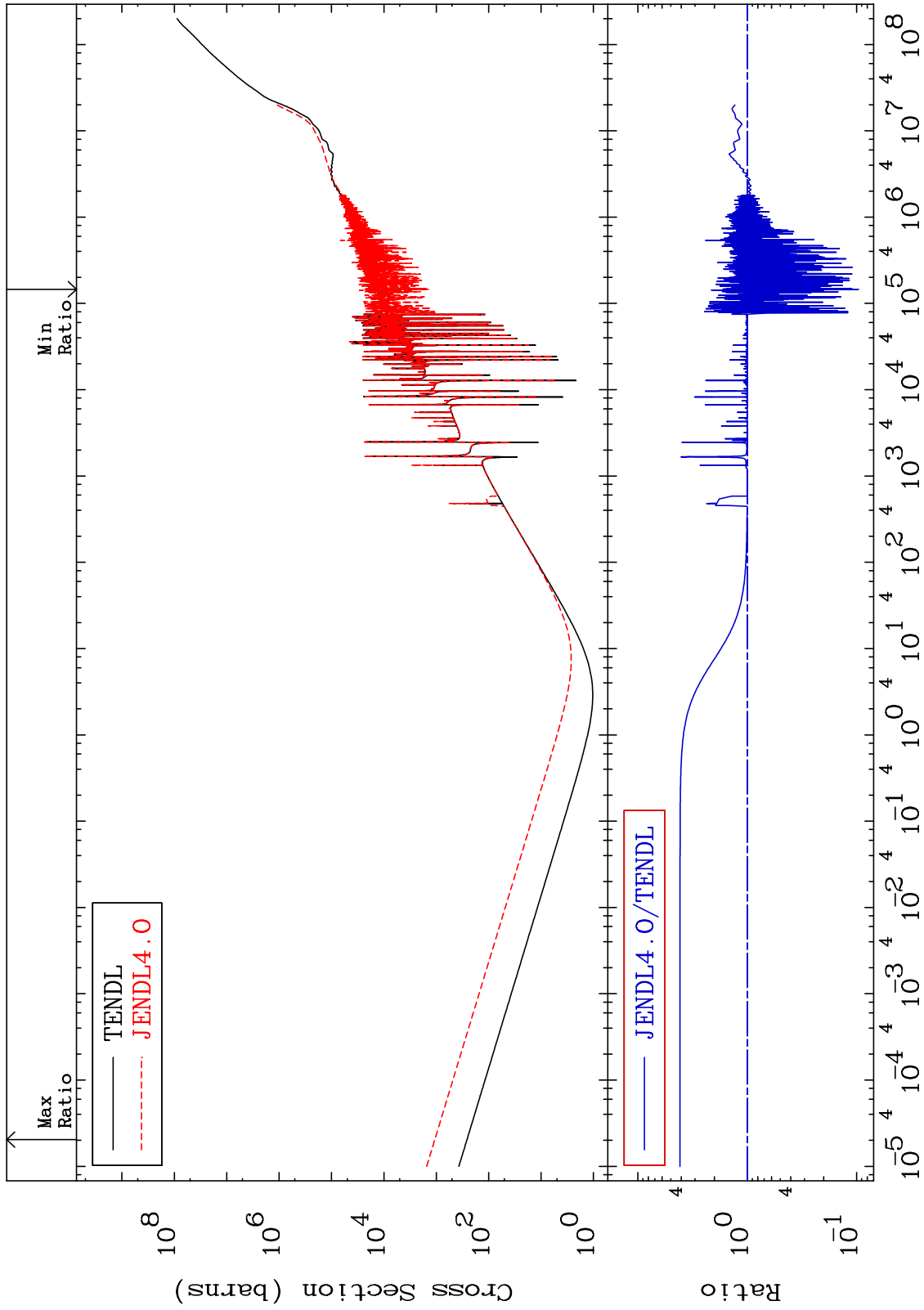
Incident Energy (eV)

82-Pb-204

MAT 8225

Total kinematic kerma (high limit)
Cross Section

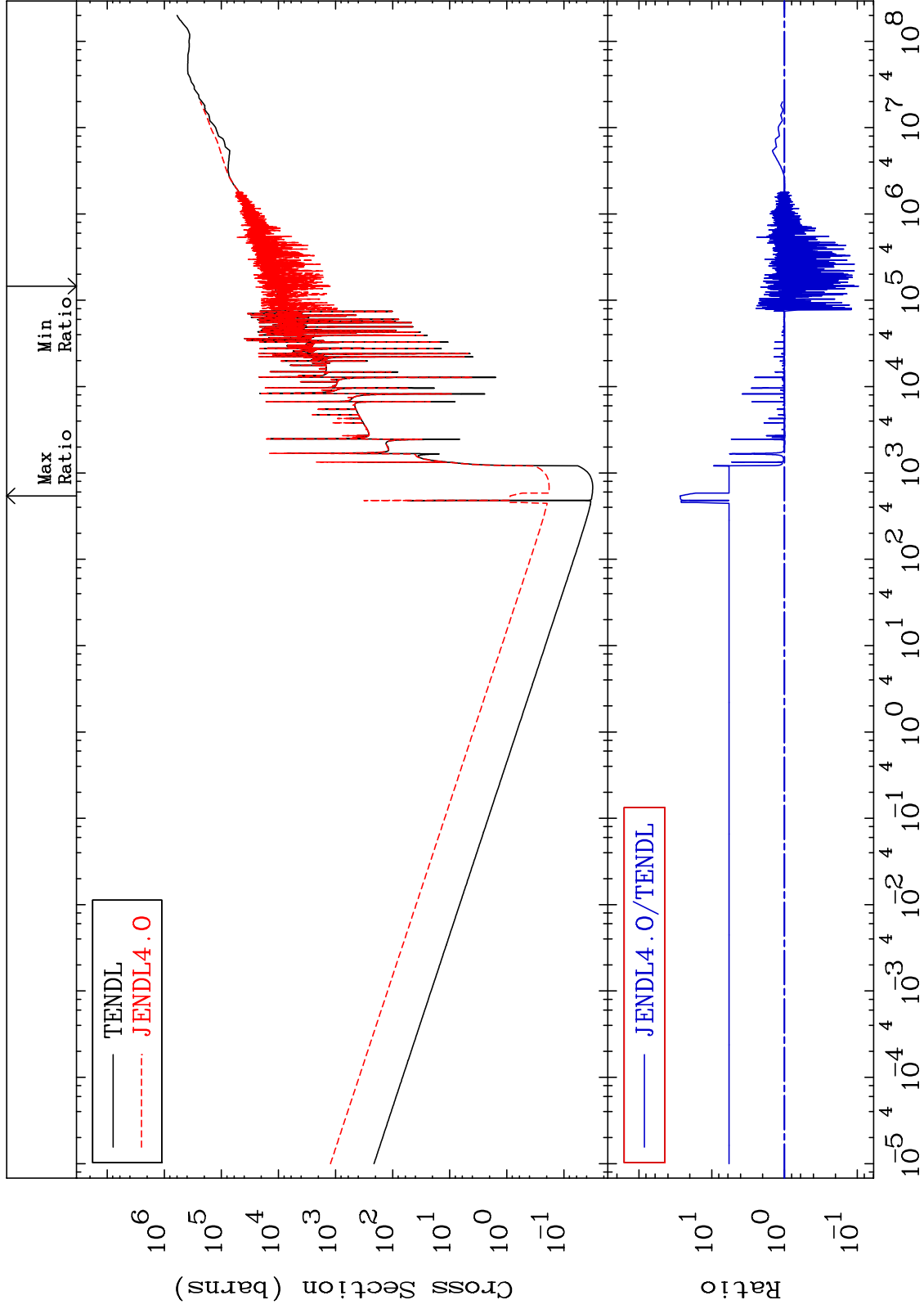
82-Pb-204
-90.35 To 311.5 %



MAT 8225

Dpa total (eV-barns)
Cross Section

82-Pb-204
-90.35 To 2623. %



37

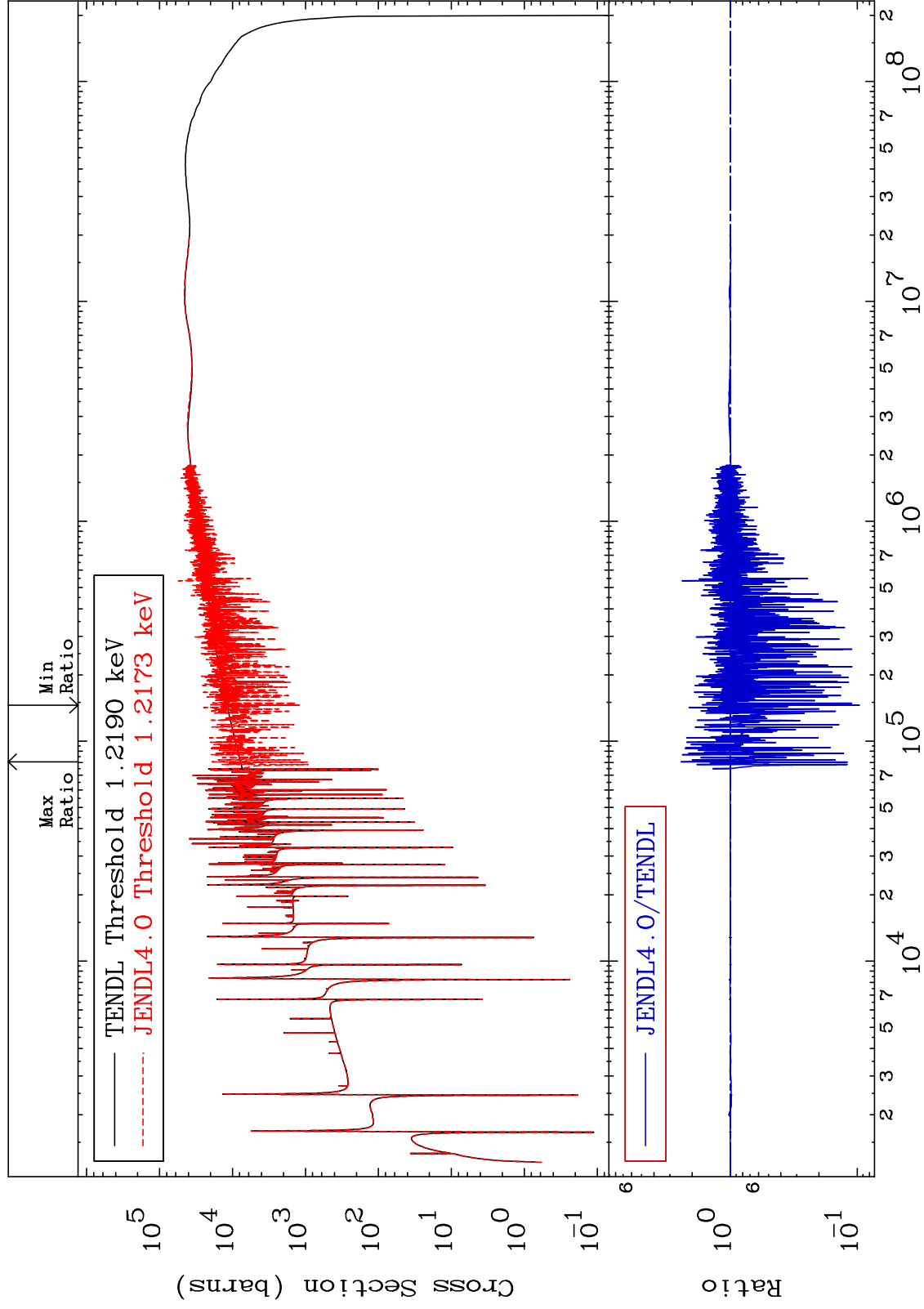
Incident Energy (eV)

82-Pb-204

MAT 8225

Dpa elastic (mt2)
Cross Section

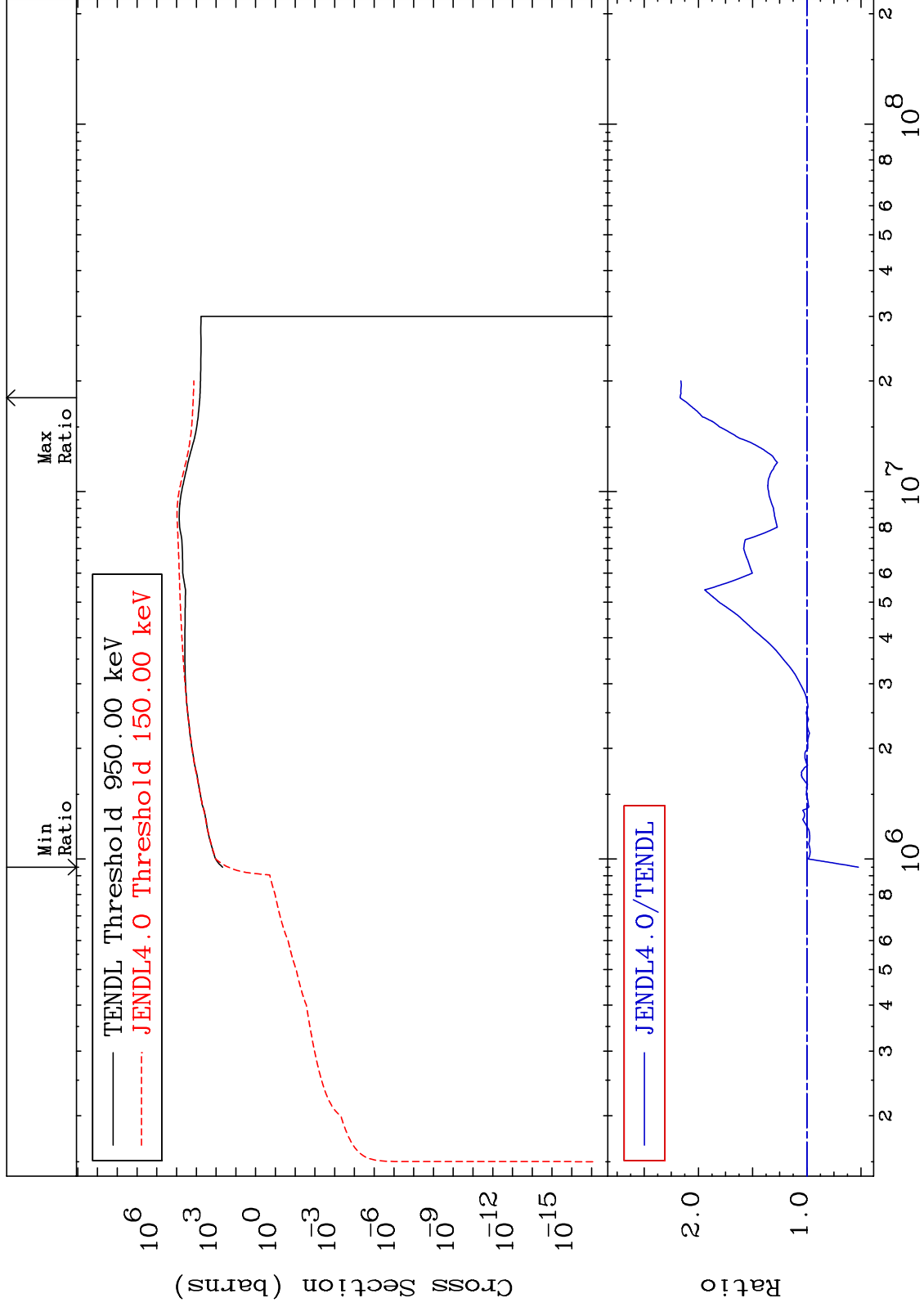
82-Pb-204
-90.37 To 144.4 %



MAT 8225

Dpa inelastic (mt51-91)
Cross Section

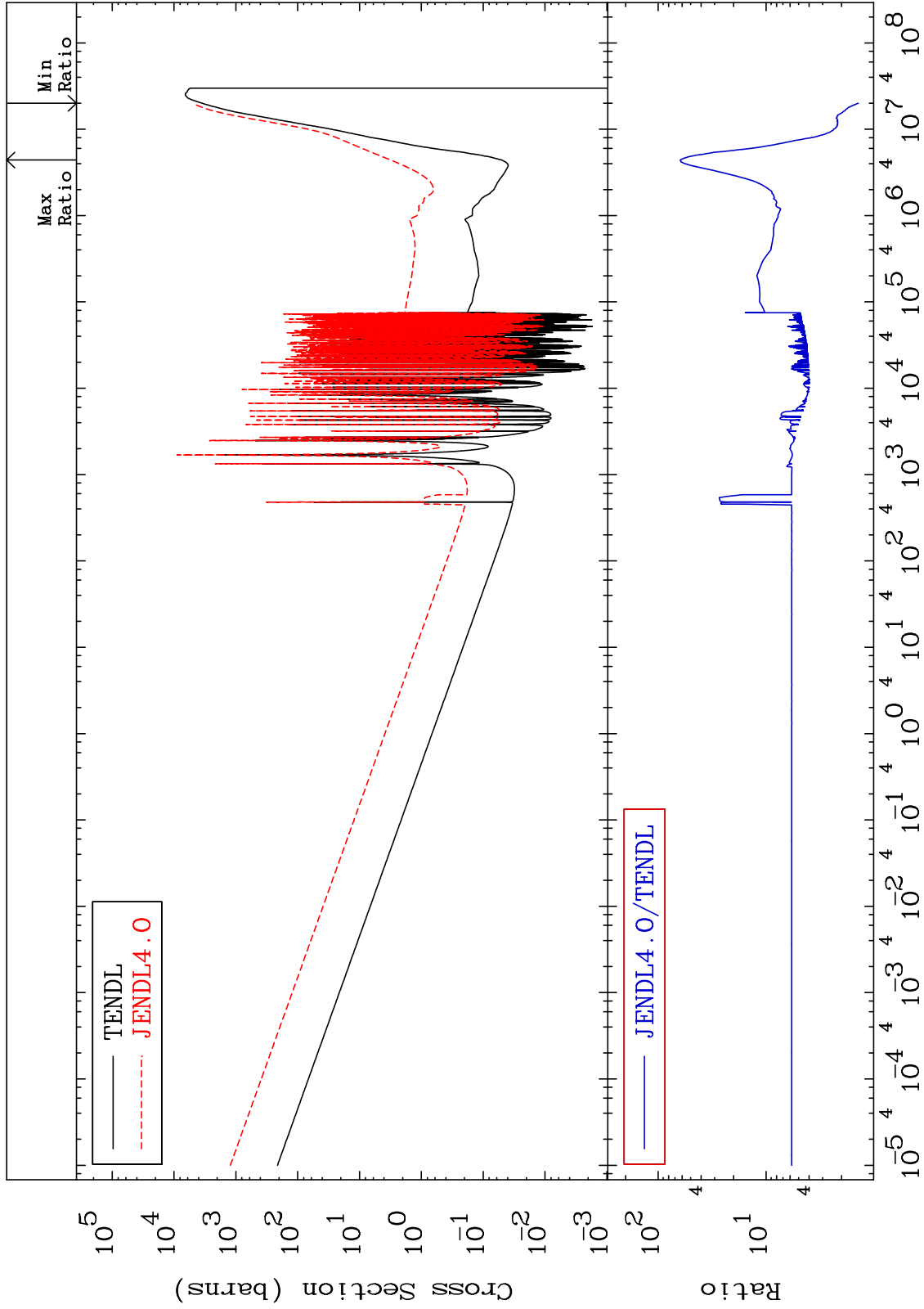
82-Pb-204
-47.62 To 117.0 %



MAT 8225

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-204
39.53 To 6170. %



40

Incident Energy (eV)

82-Pb-204

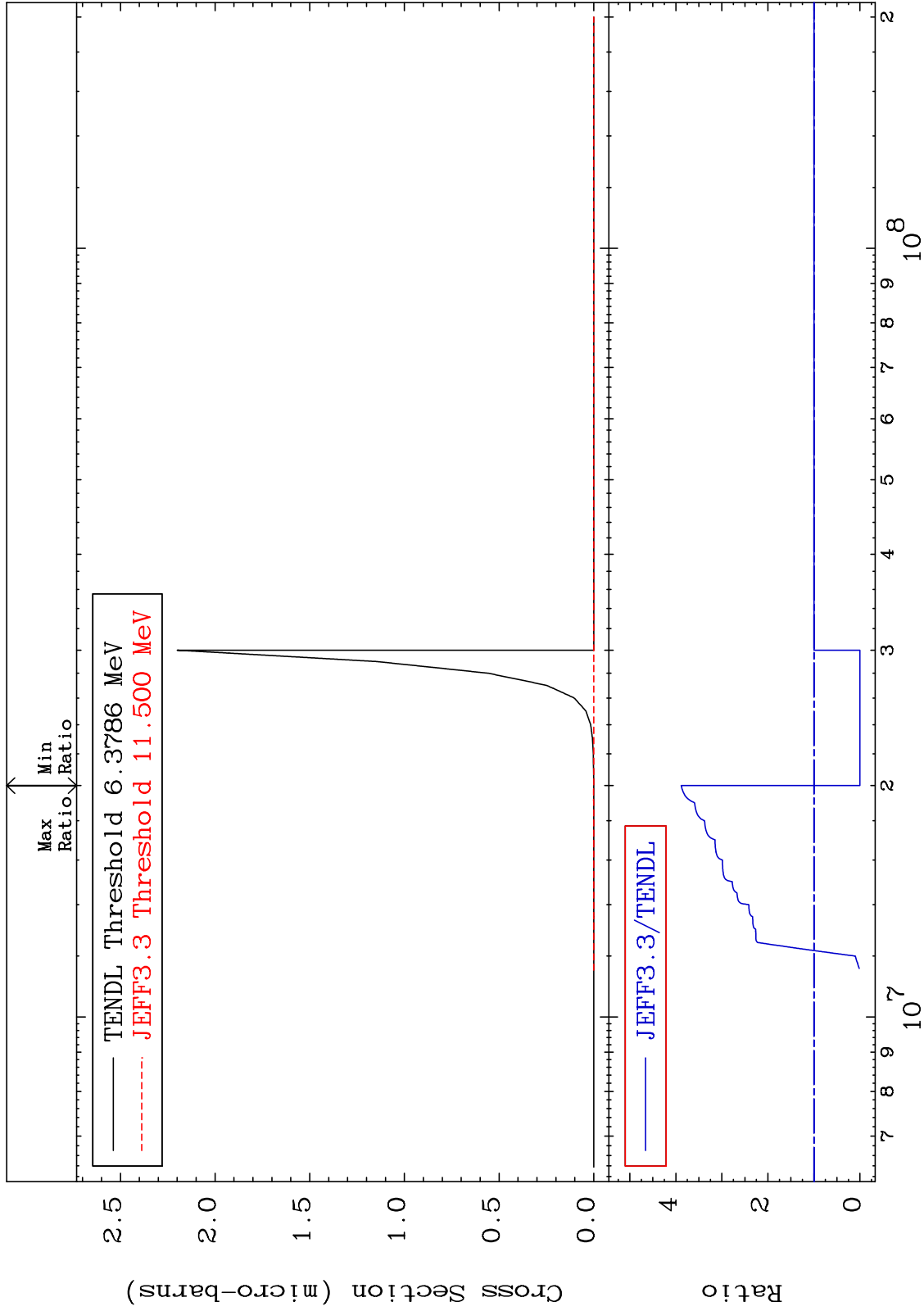
MAT 8225

(n,2p)

82-Pb-204

Cross Section

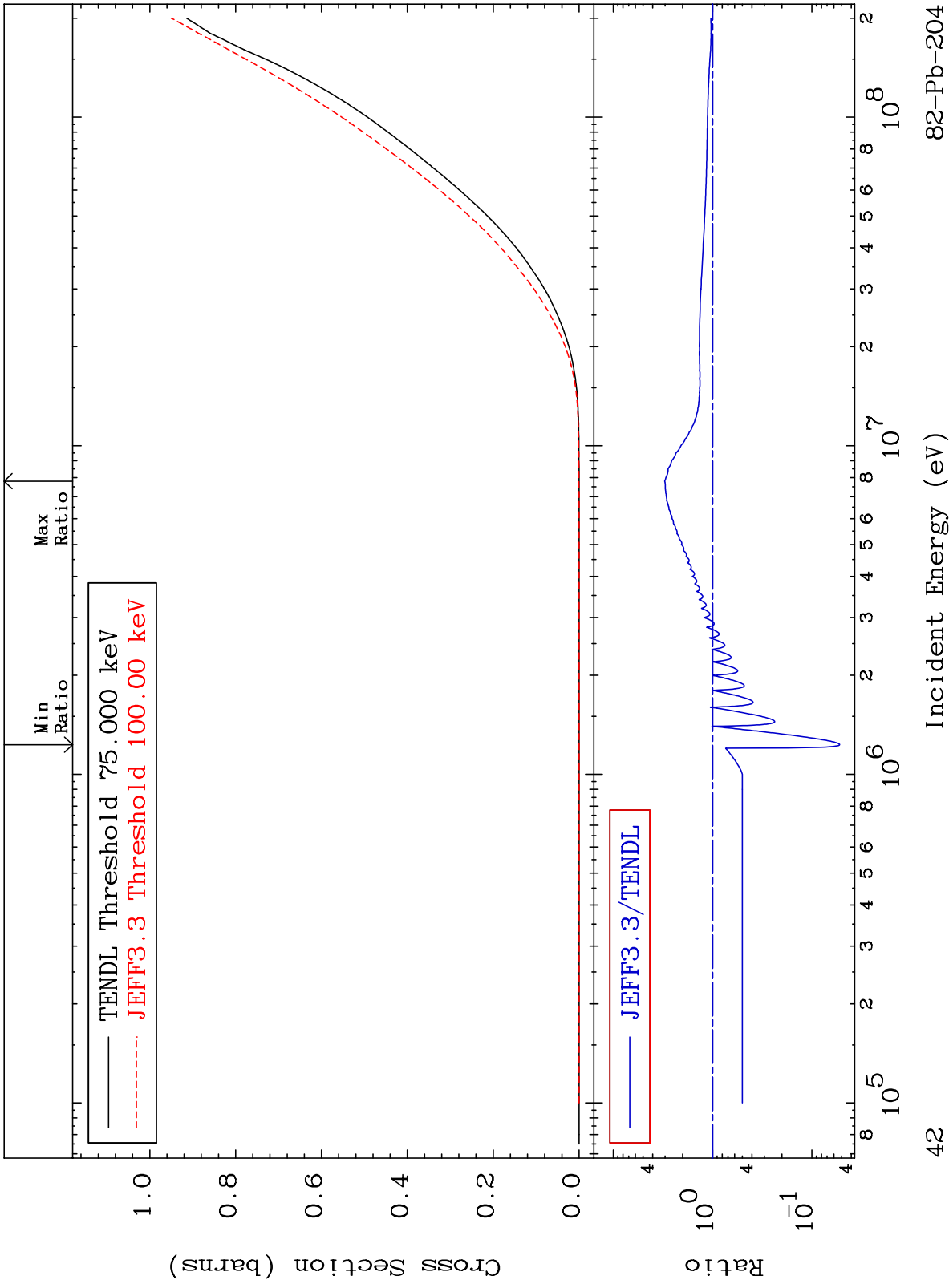
-100.0 To 288.3 %



MAT 8225

Hydrogen Production
Cross Section

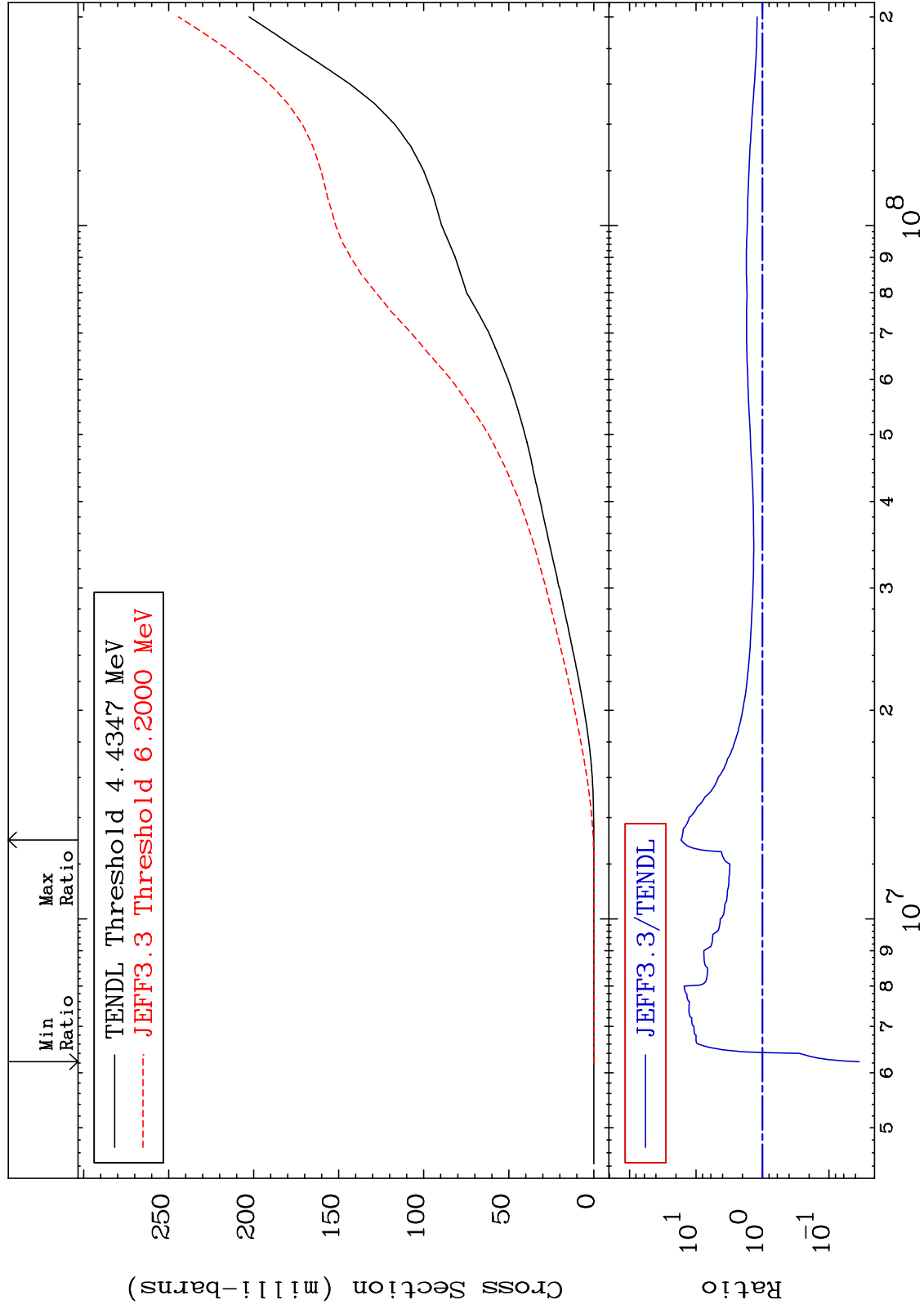
82-Pb-204
-94.77 To 202.9 %



MAT 8225

Deuterium Production
Cross Section

82-Pb-204
-96.49 To 1580. %



43

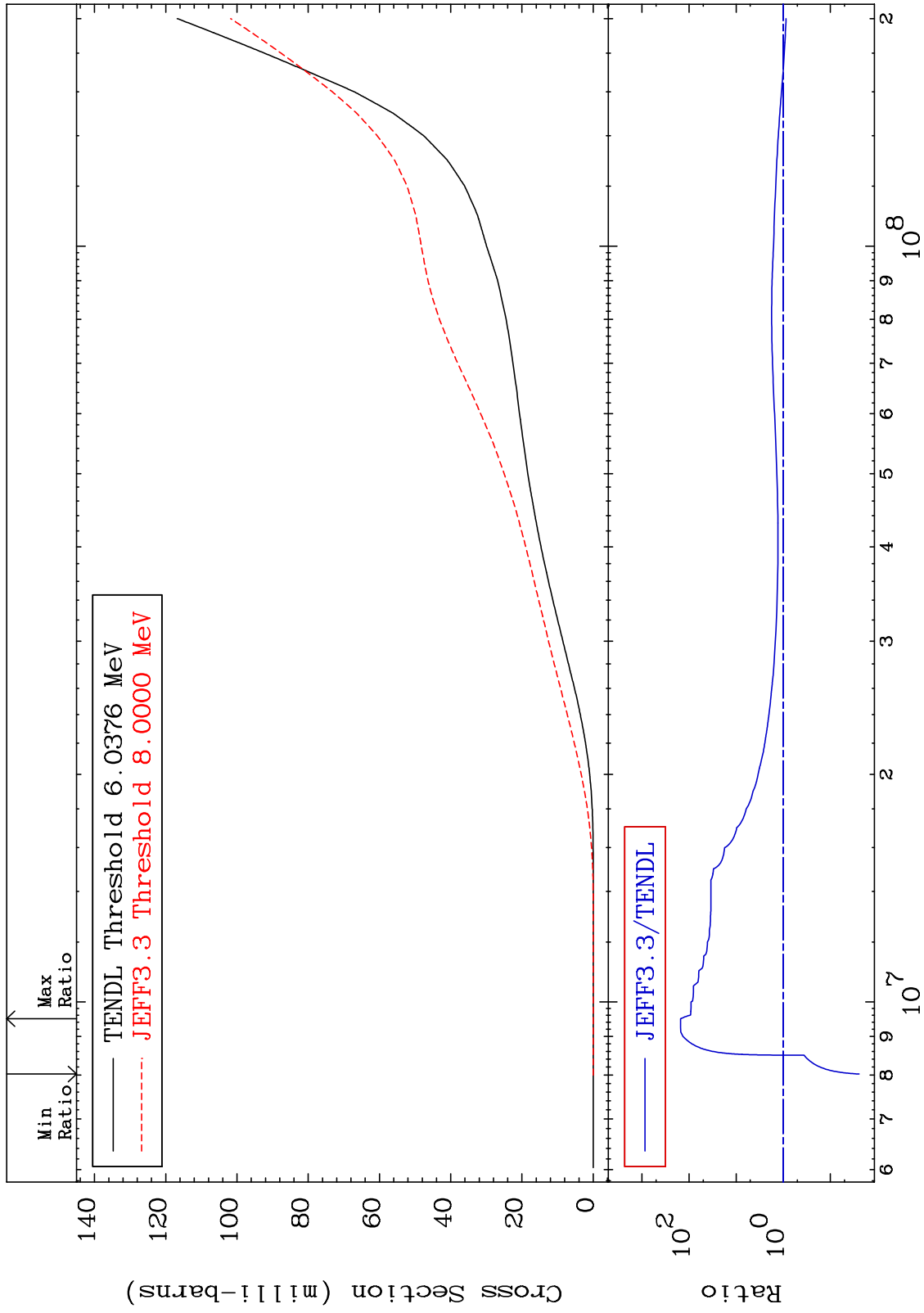
Incident Energy (eV)

82-Pb-204

MAT 8225

Tritium Production
Cross Section

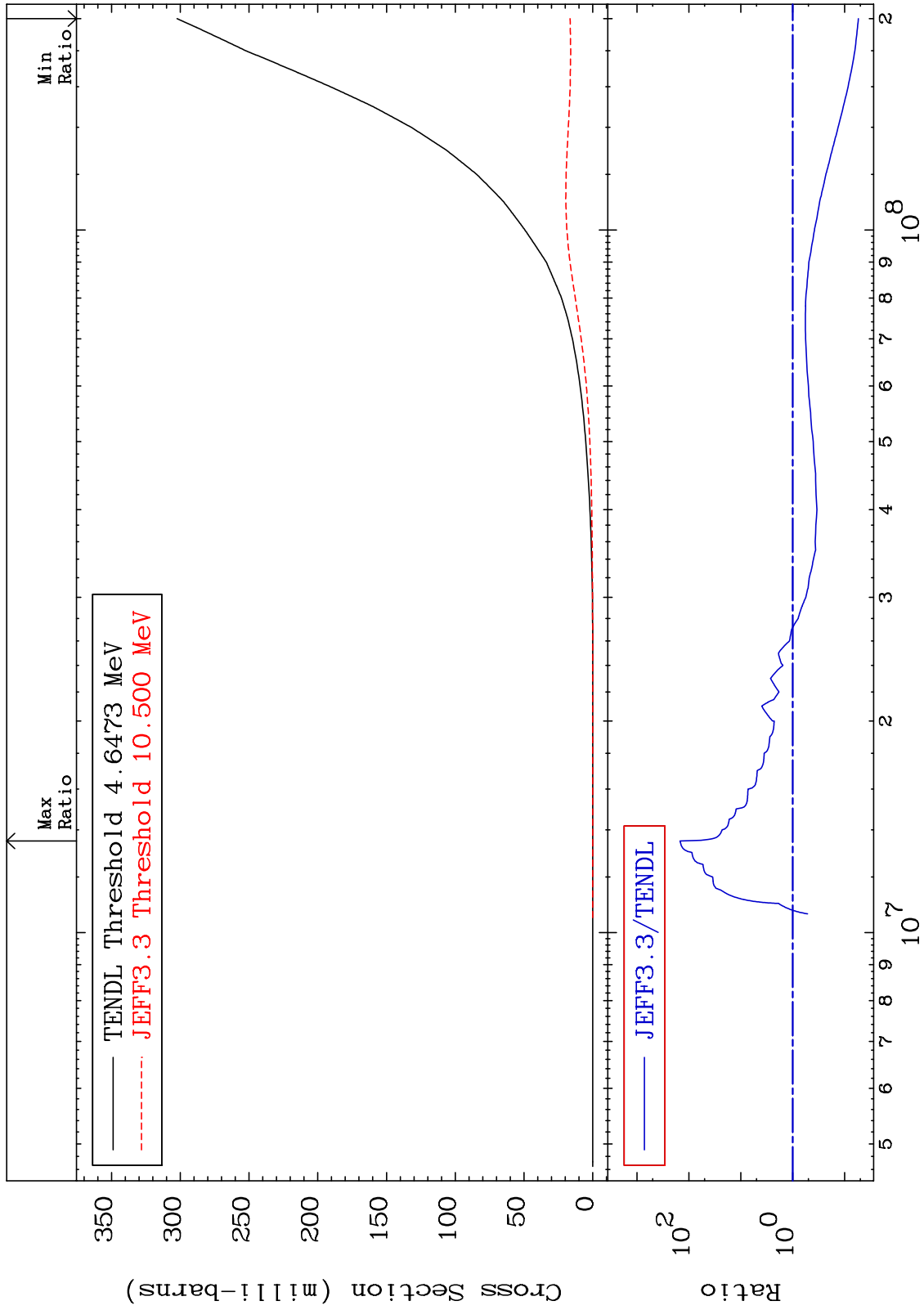
82-Pb-204
-97.56 To 9999. %



MAT 8225

He-3 Production
Cross Section

82-Pb-204
-94.57 To 9999. %



45

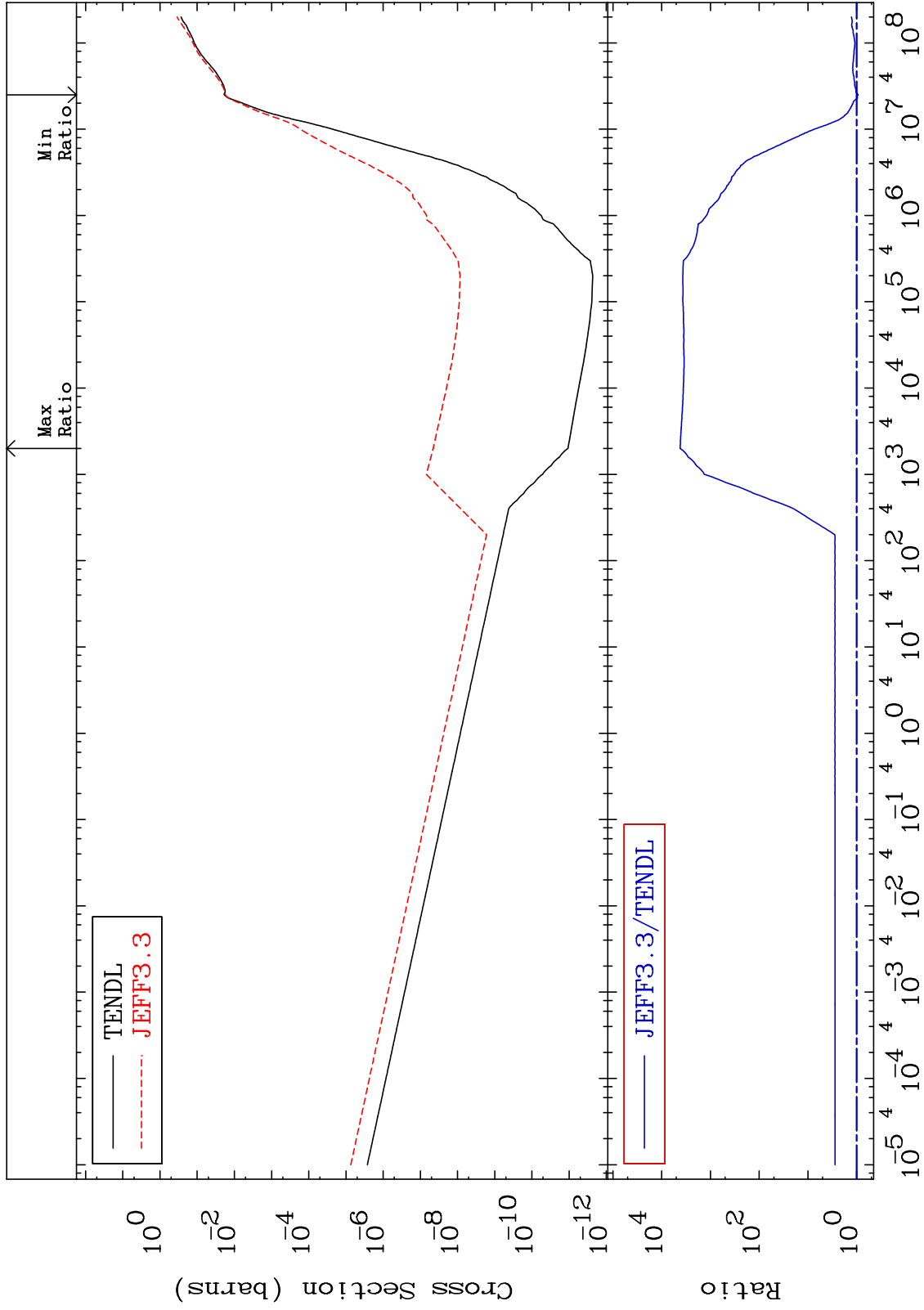
Incident Energy (eV)

82-Pb-204

MAT 8225

He-4 Production
Cross Section

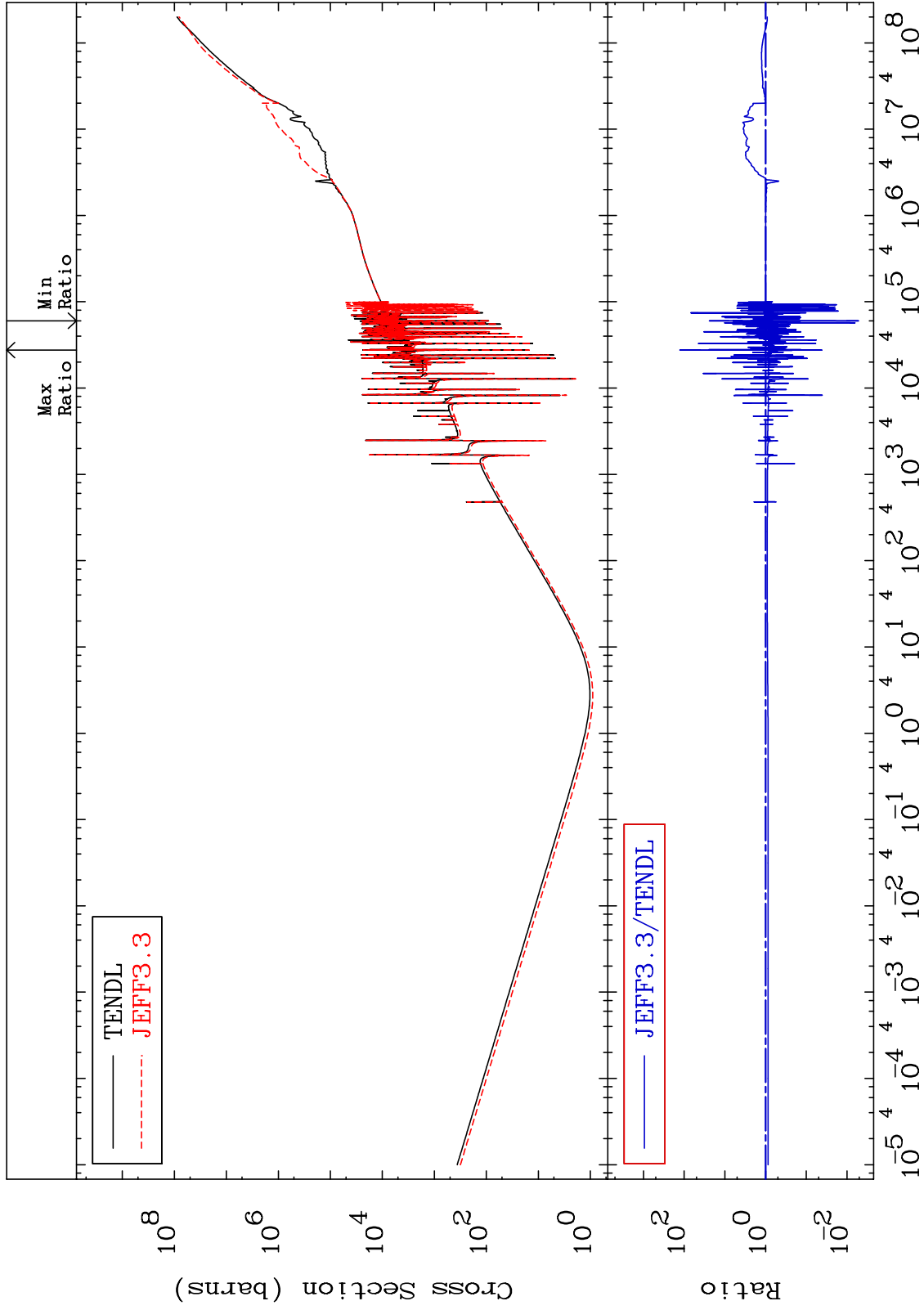
82-Pb-204
-7.788 To 9999. %



MAT 8225

Kerma total (eV-barns)
Cross Section

82-Pb-204
-99.47 To 9999. %



47

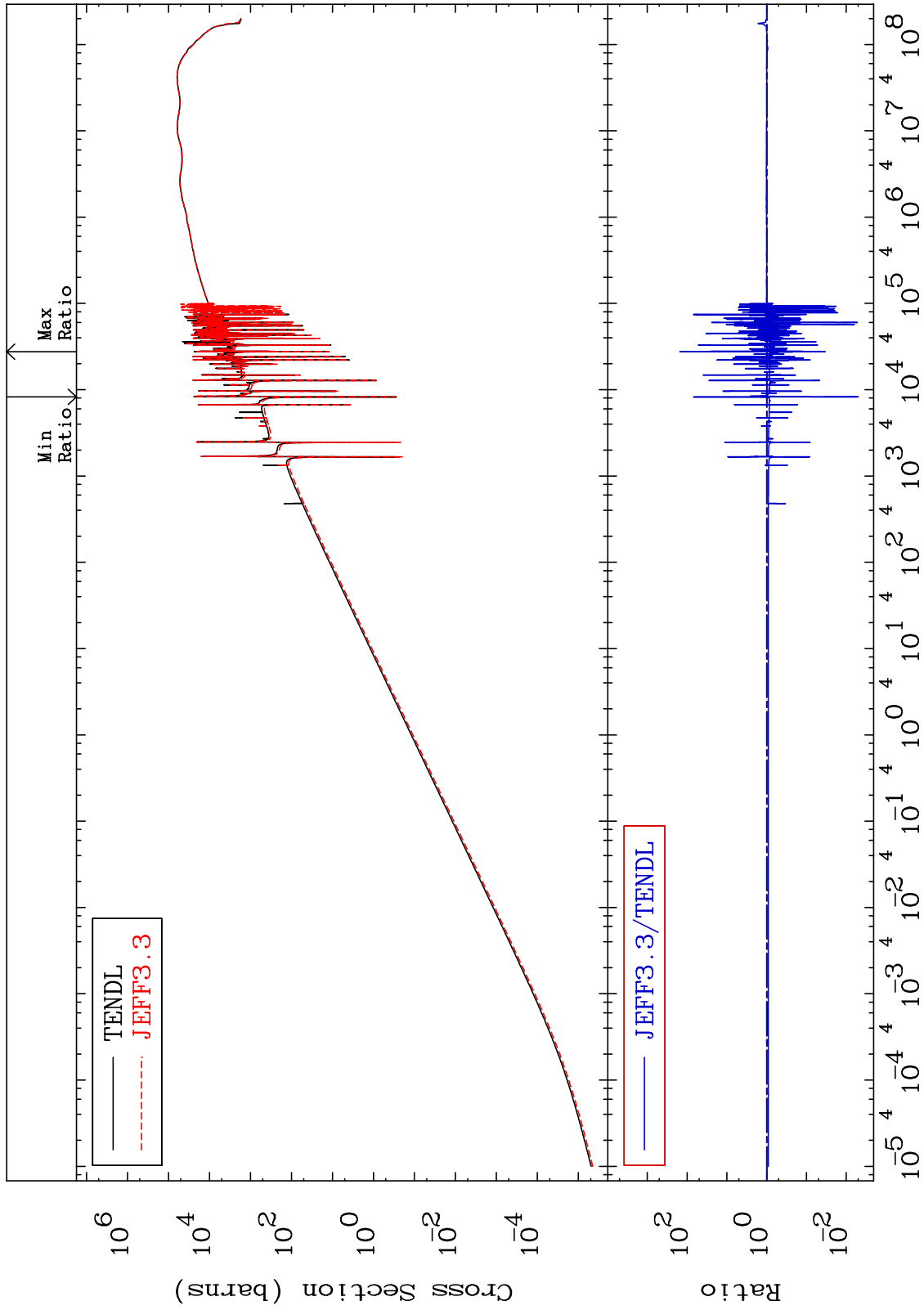
Incident Energy (eV)

82-Pb-204

MAT 8225

Kerma elastic
Cross Section

82-Pb-204
-99.51 To 9999. %



48

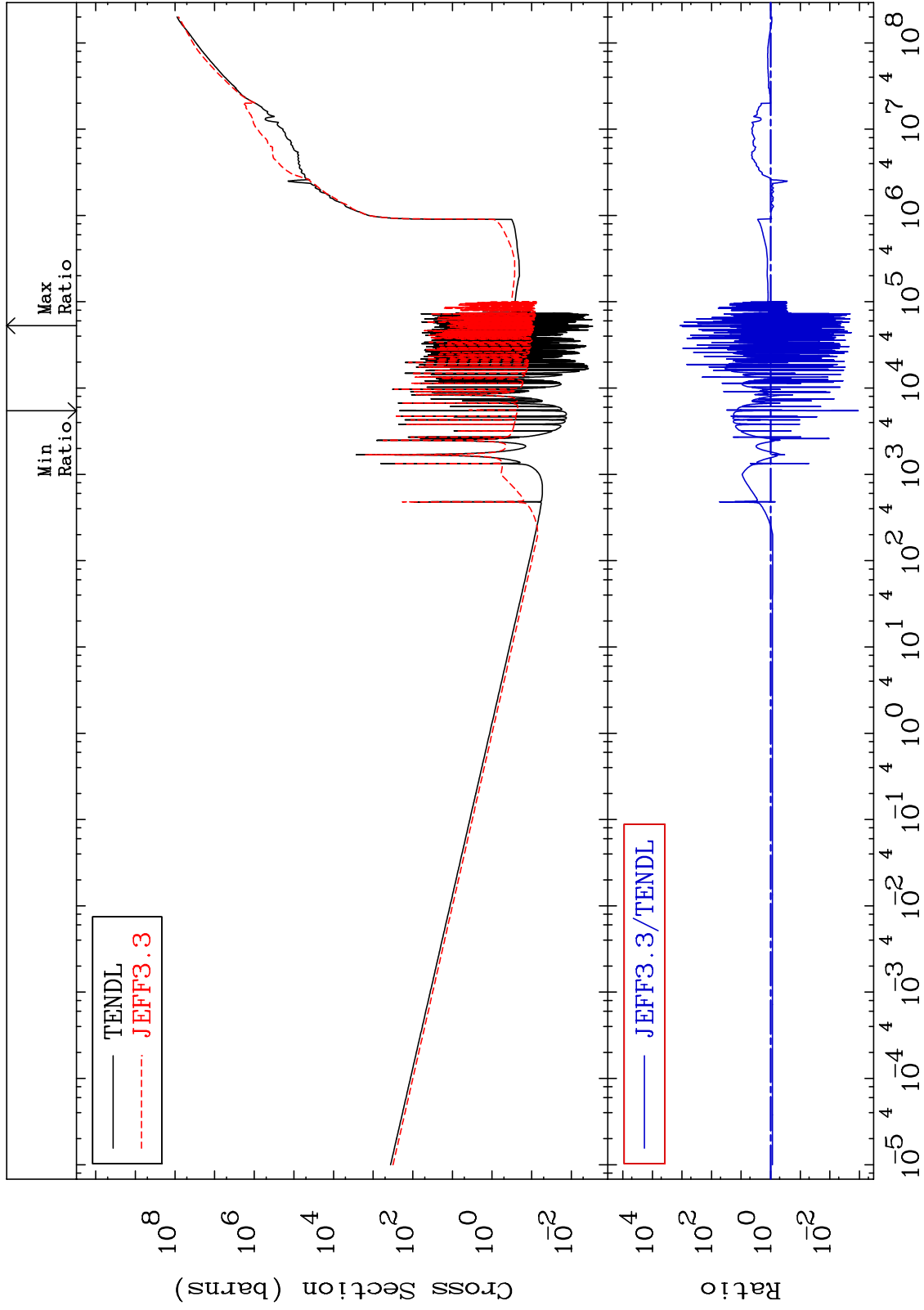
Incident Energy (eV)

82-Pb-204

MAT 8225

Kerma non-elastic (all but mt2)
Cross Section

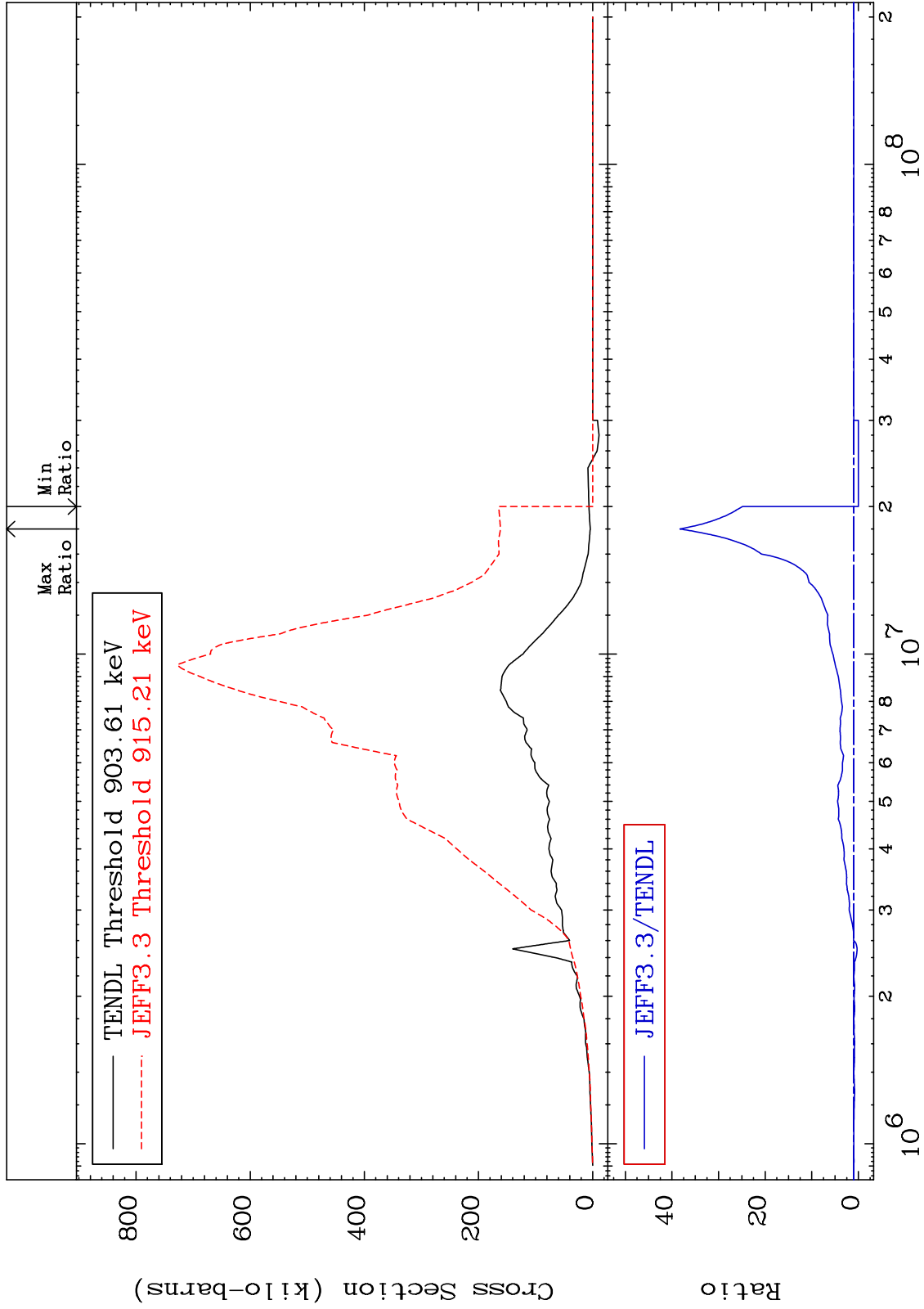
82-Pb-204
-99.89 To 9999. %



MAT 8225

Kerma inelastic (mt51-91)
Cross Section

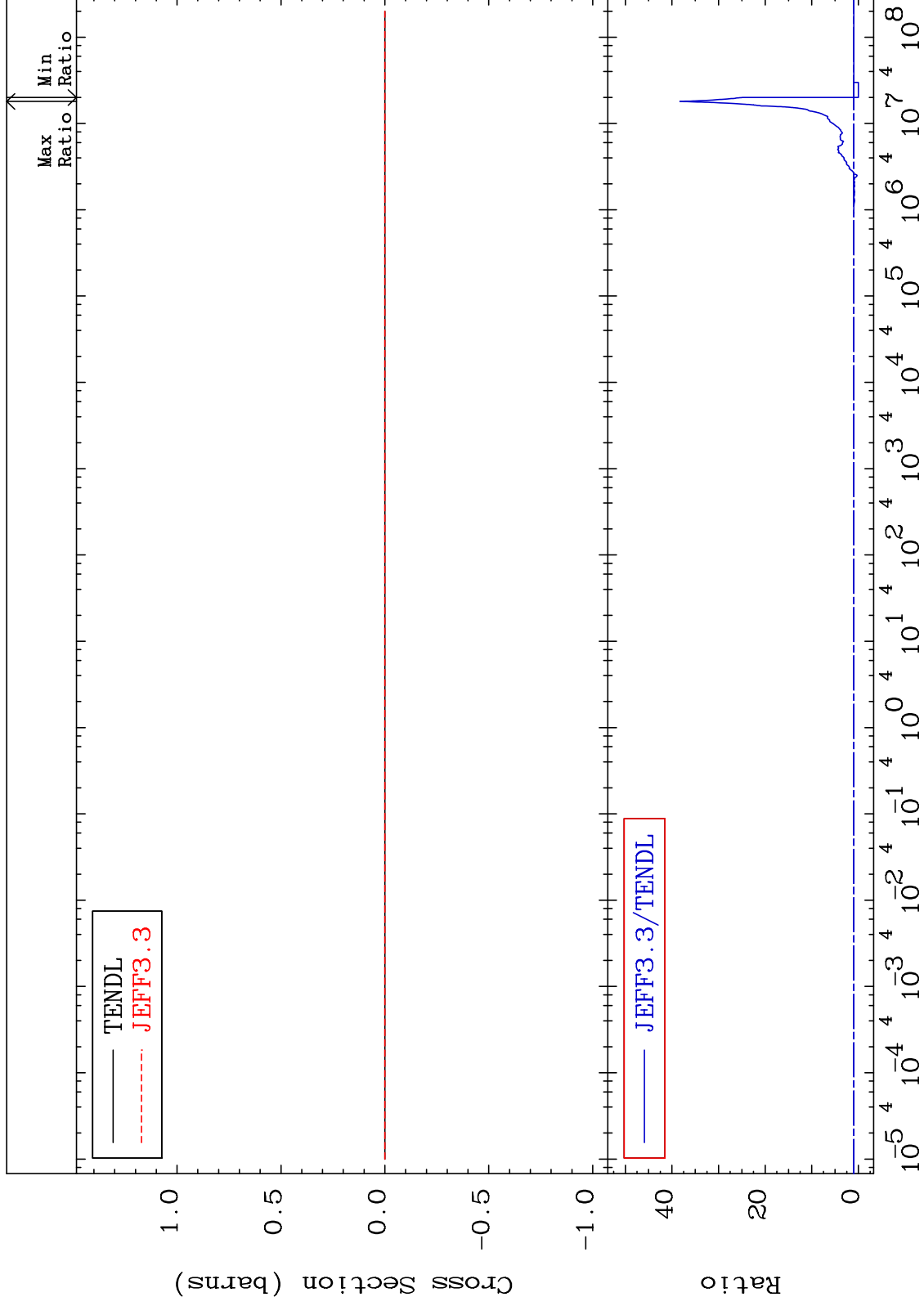
82-Pb-204
-100.0 To 3727. %



MAT 8225

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

82-Pb-204
-100.0 To 3727. %



51

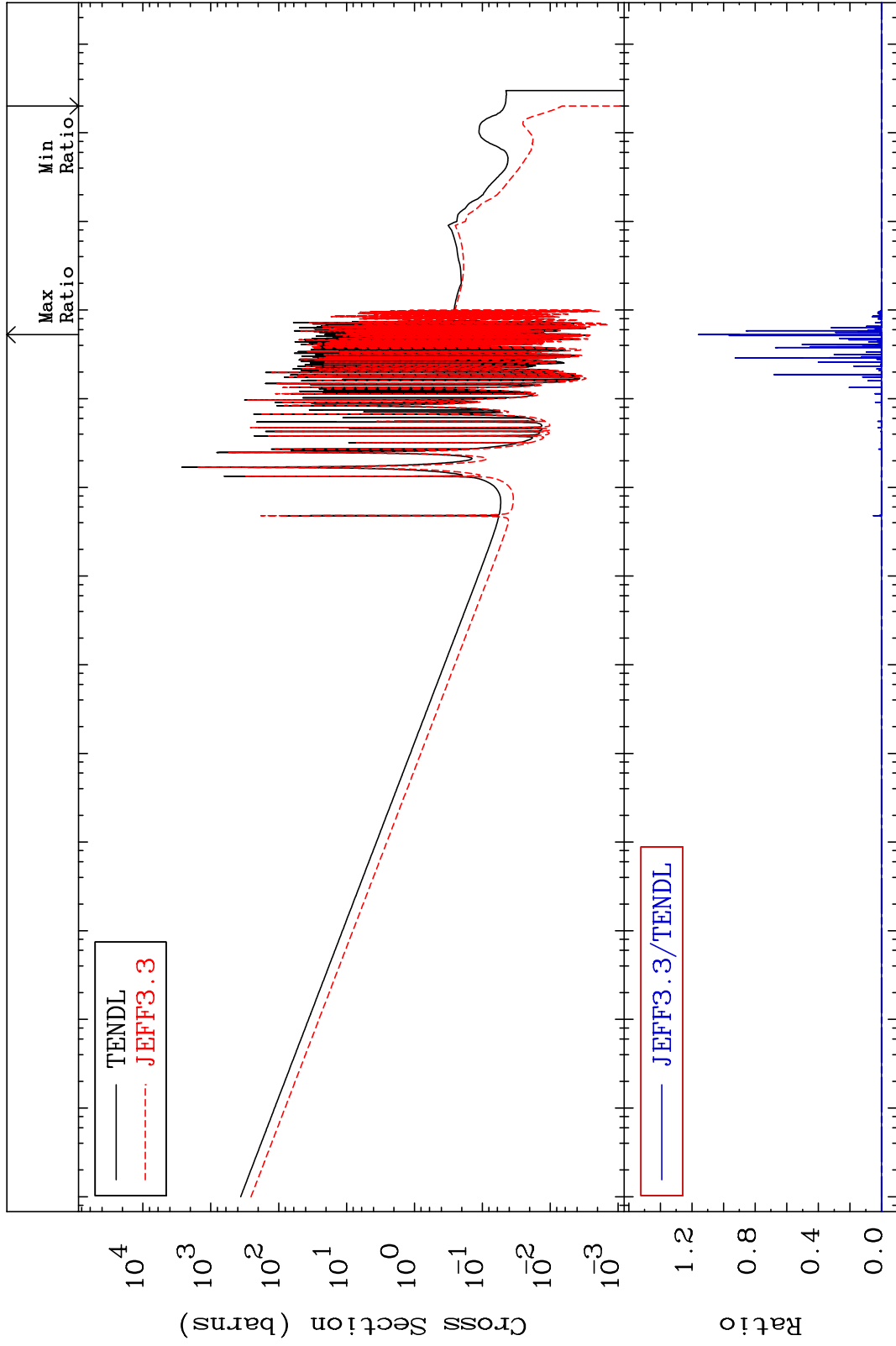
Incident Energy (eV)

82-Pb-204

MAT 8225

Kerma capture (mt102)
Cross Section

82-Pb-204
-100.0 To 9999. %



52

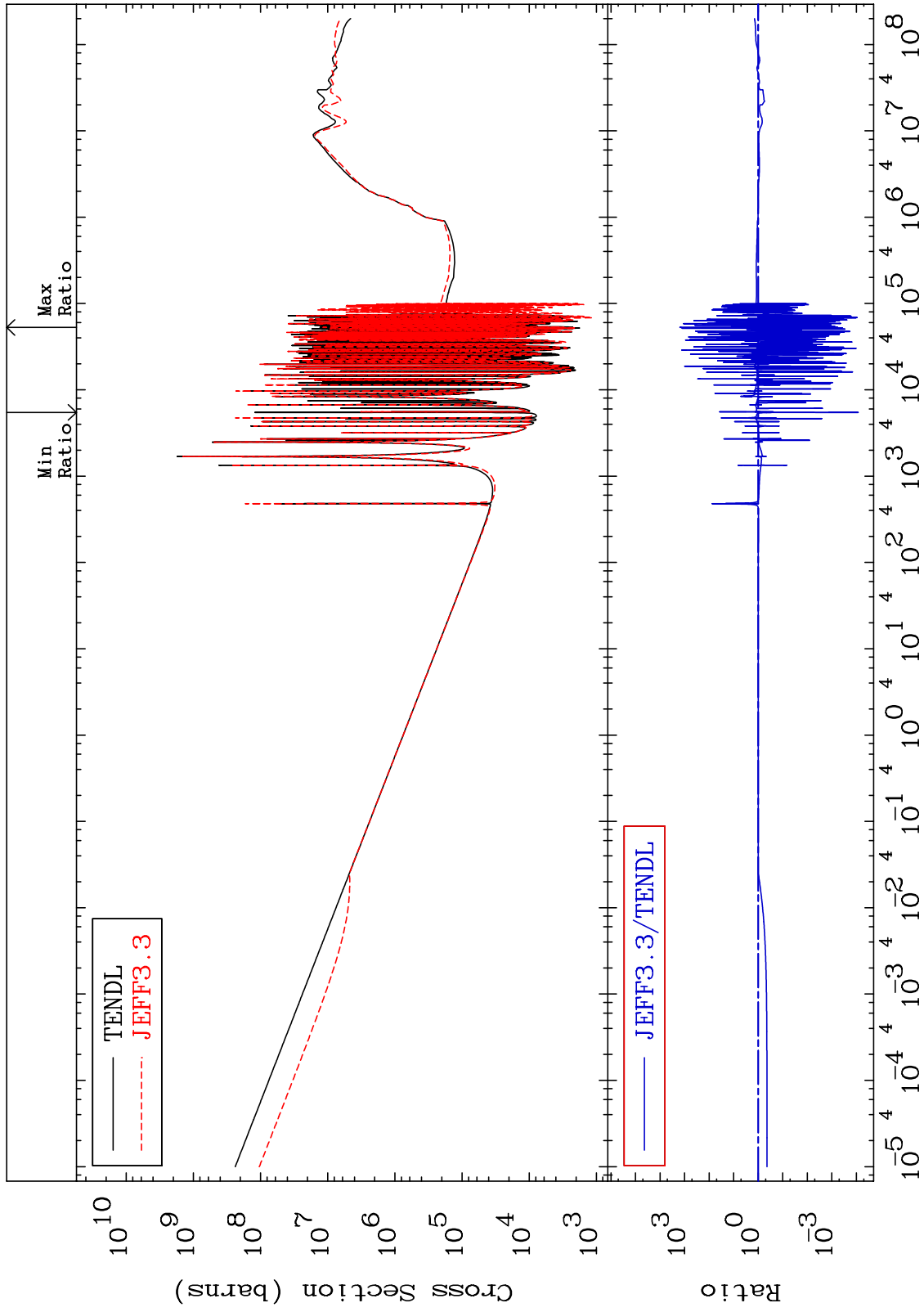
Incident Energy (eV)

82-Pb-204

MAT 8225

Total photon (eV-barns)
Cross Section

82-Pb-204
-99.99 To 9999. %



53

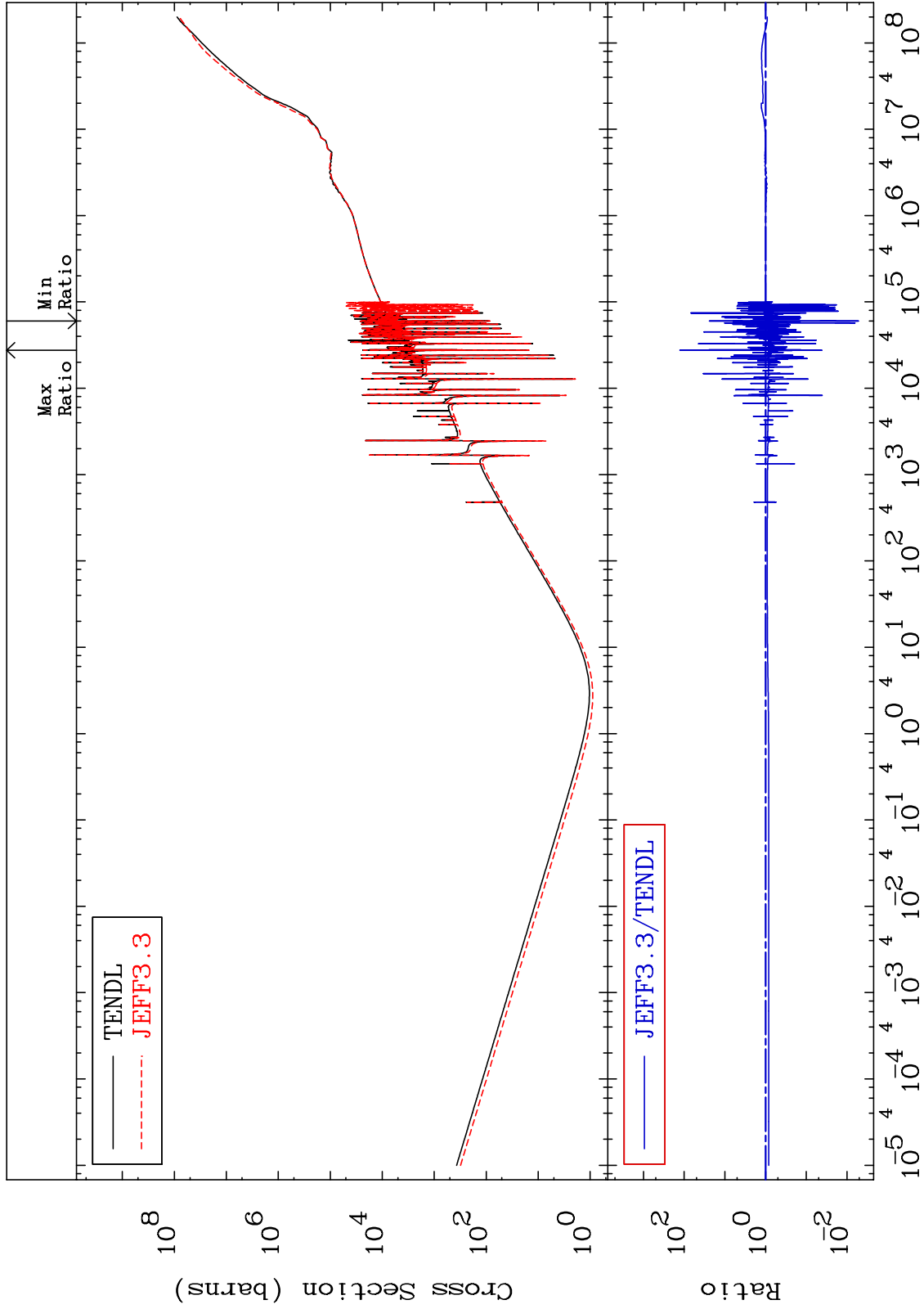
Incident Energy (eV)

82-Pb-204

MAT 8225

Total kinematic kerma (high limit)
Cross Section

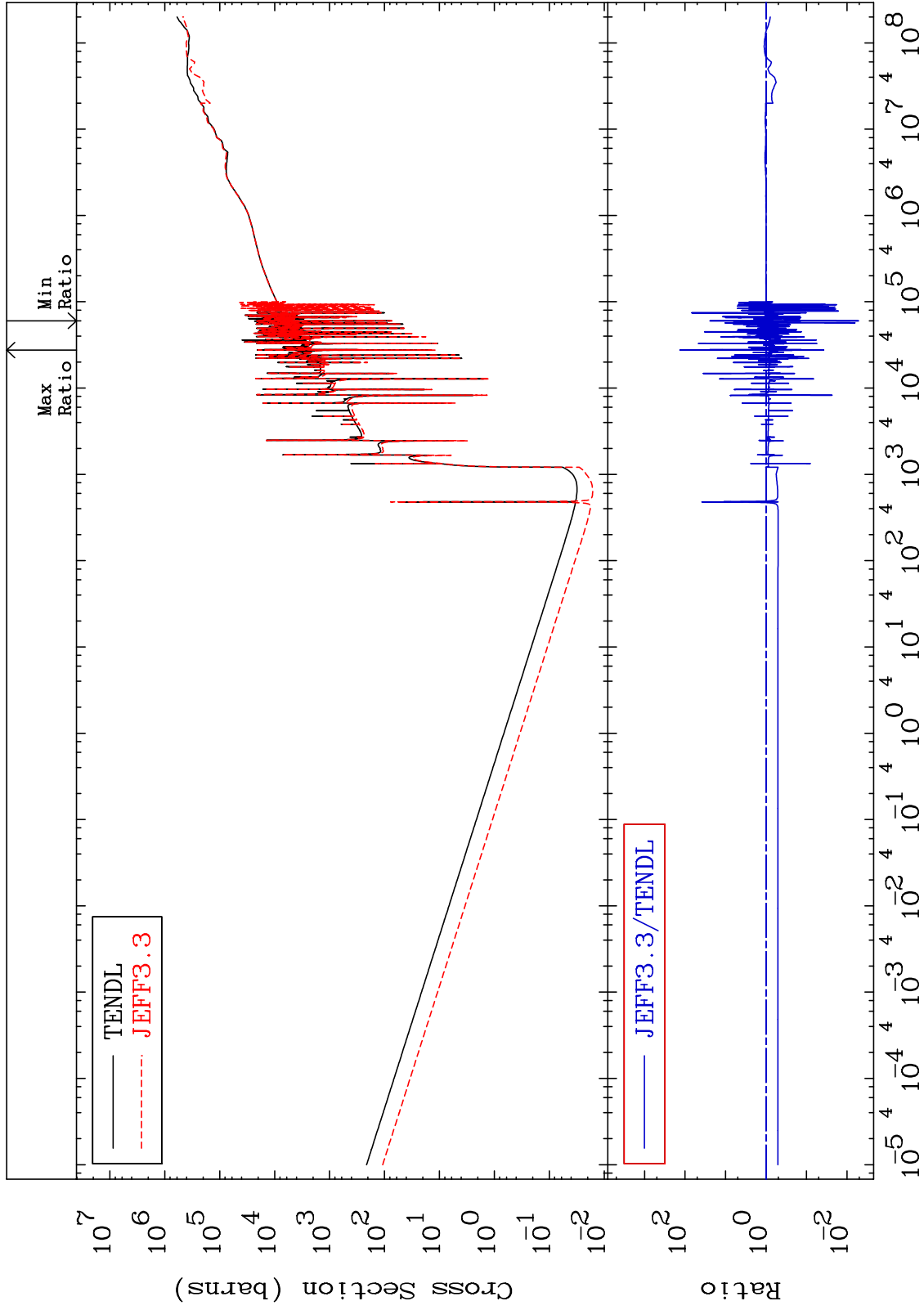
82-Pb-204
-99.47 To 9999. %



MAT 8225

Dpa total (eV-barns)
Cross Section

82-Pb-204
-99.48 To 9999. %



55

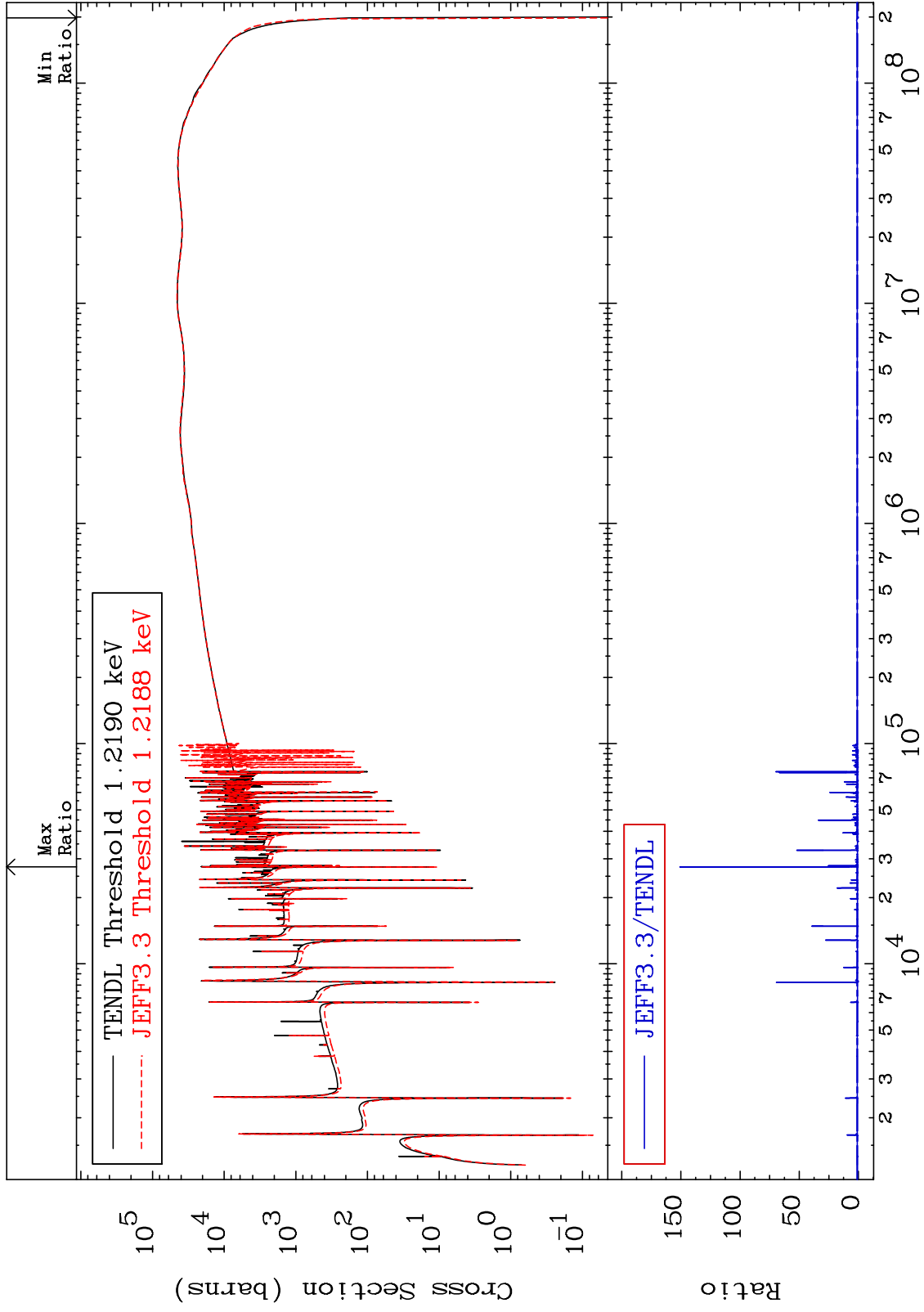
Incident Energy (eV)

82-Pb-204

MAT 8225

Dpa elastic (mt2)
Cross Section

82-Pb-204
-100.0 To 9999. %

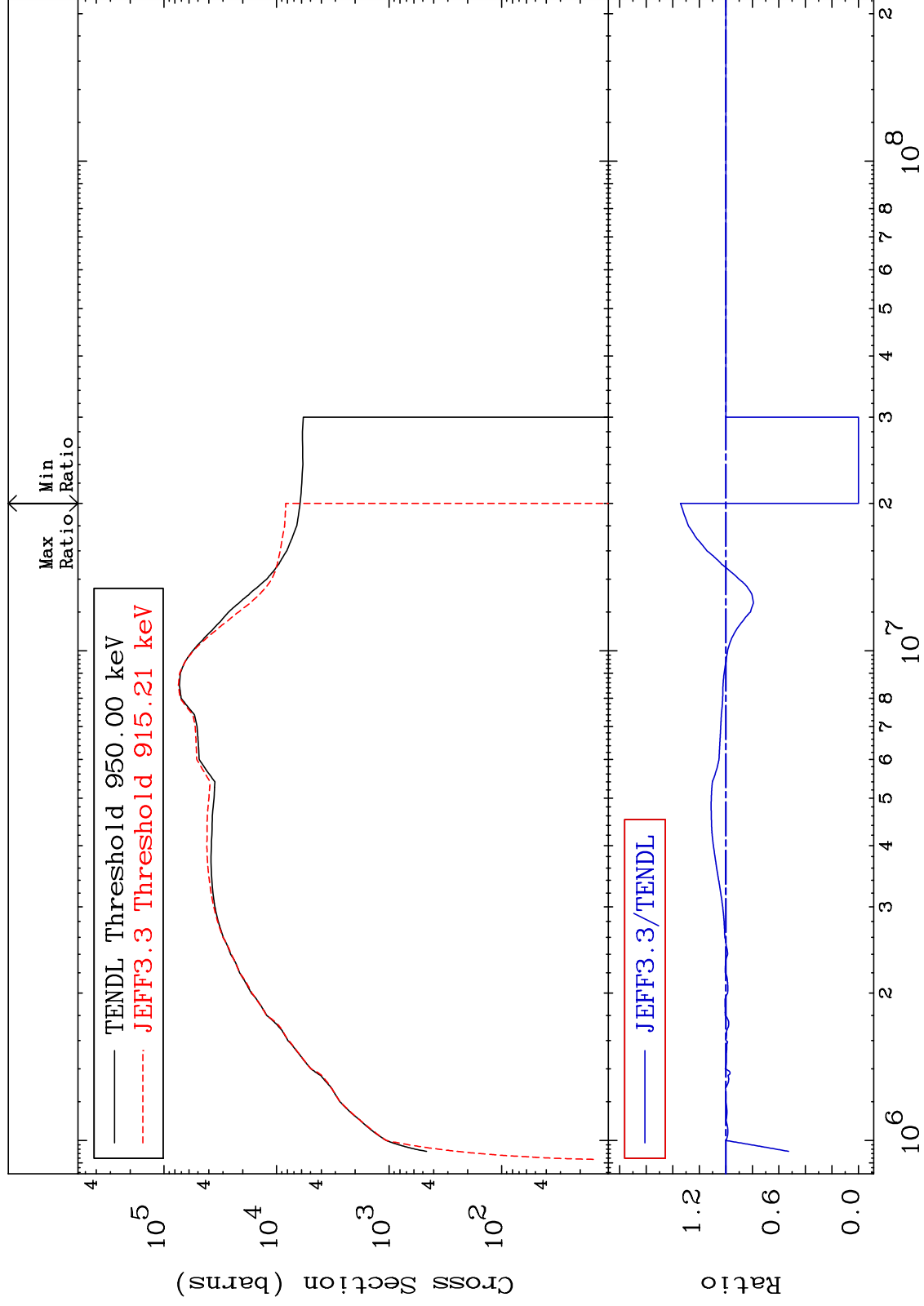


MAT 8225

Dpa inelastic (mt51-91)

82-Pb-204

-100.0 To 34.17 %



57

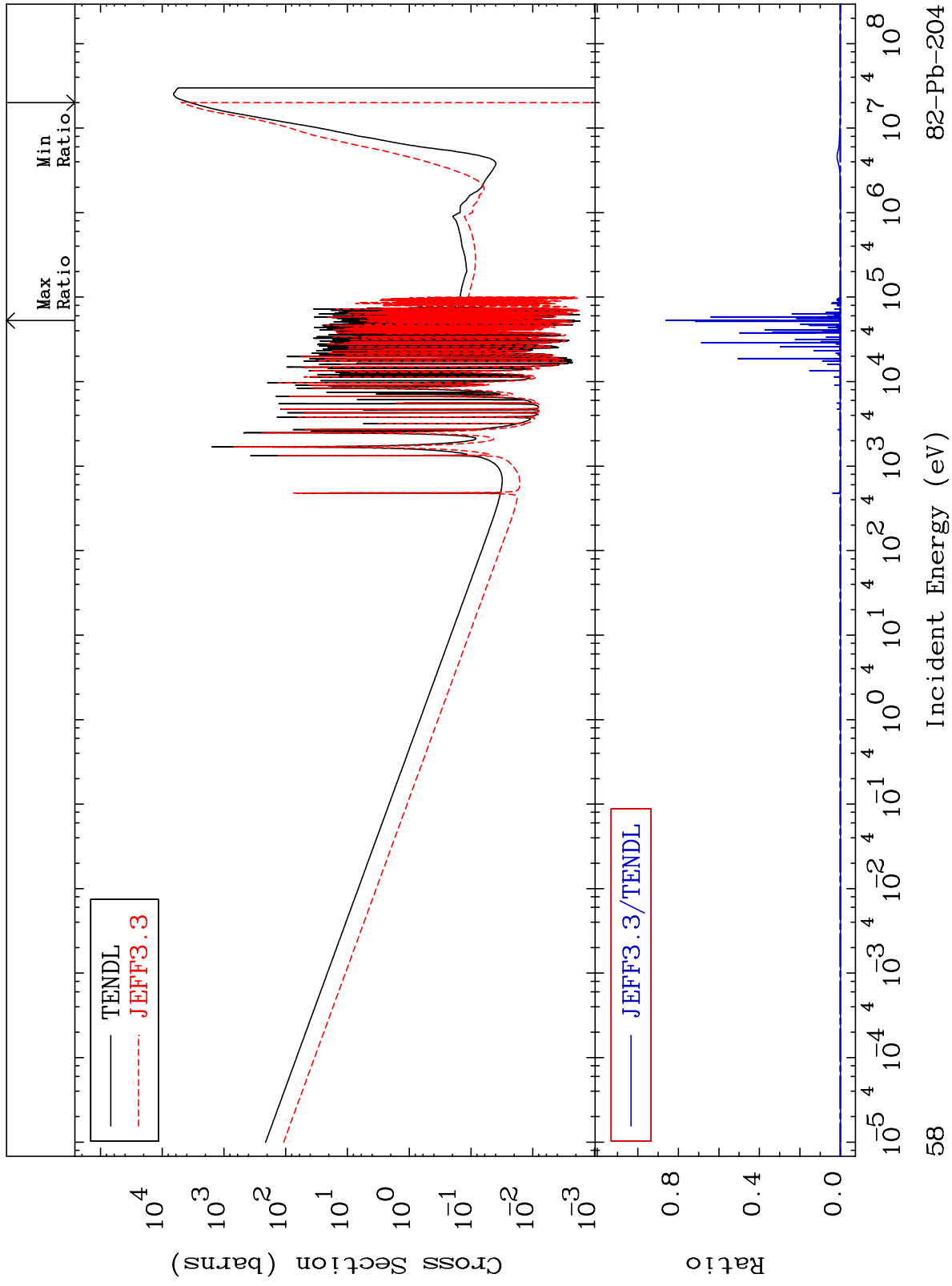
Incident Energy (eV)

82-Pb-204

MAT 8225

Dpa disappearance (mt102 -120)
Cross Section

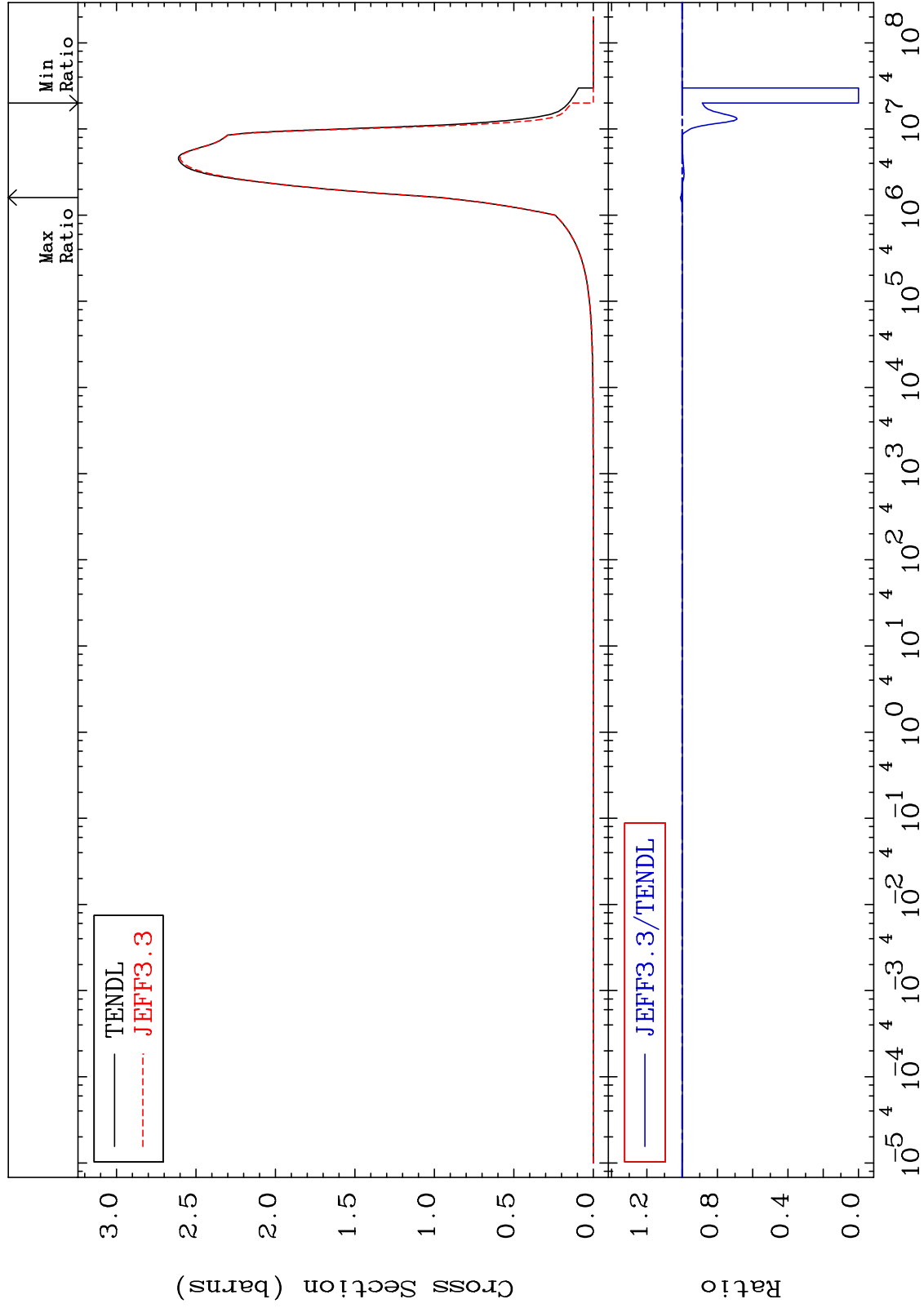
82-Pb-204
-100.0 To 9999. %



MAT 8225

Inelastic: 82-Pb-204
Radionuclide Production Cross Section -100.0 To 0.941 %

82-Pb-204



59

Incident Energy (eV)

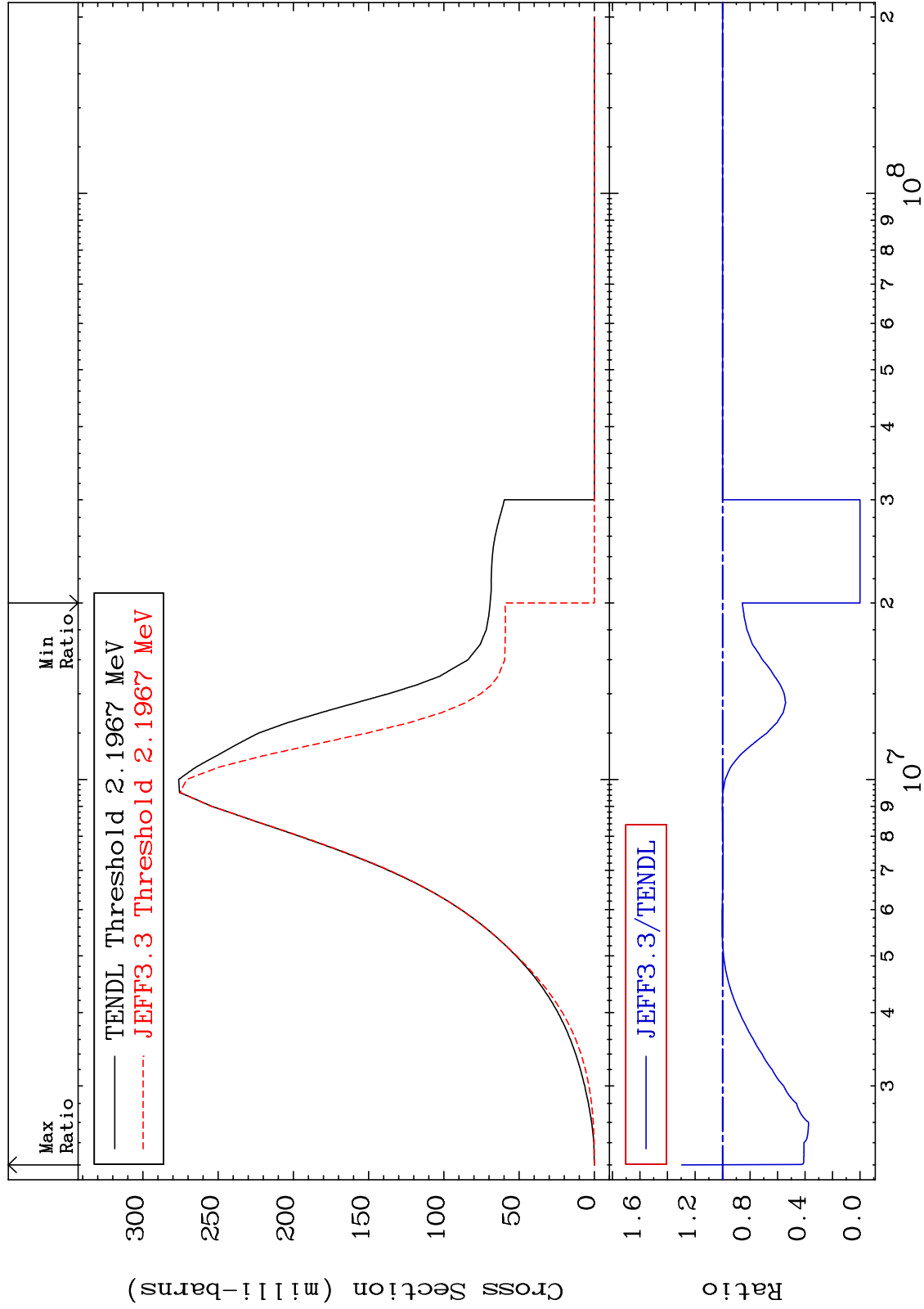
82-Pb-204

MAT 8225

Inelastic: 82-Pb-204m21

82-Pb-204

Radionuclide Production Cross Section -100.0 To 29.71 %

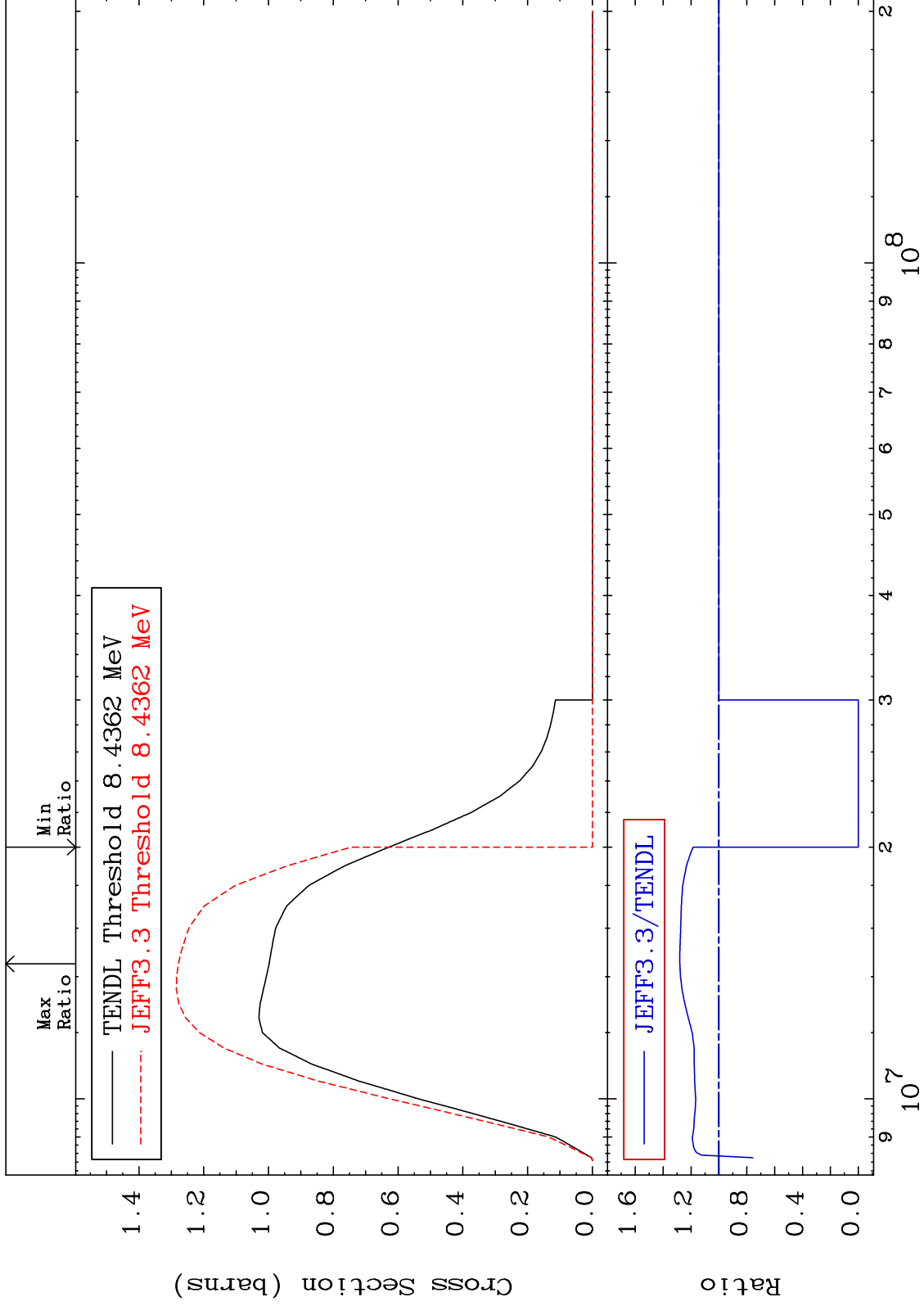


MAT 8225

(n,2n) : 82-Pb-203g

82-Pb-204

Radionuclide Production Cross Section -100.0 To 28.04 %

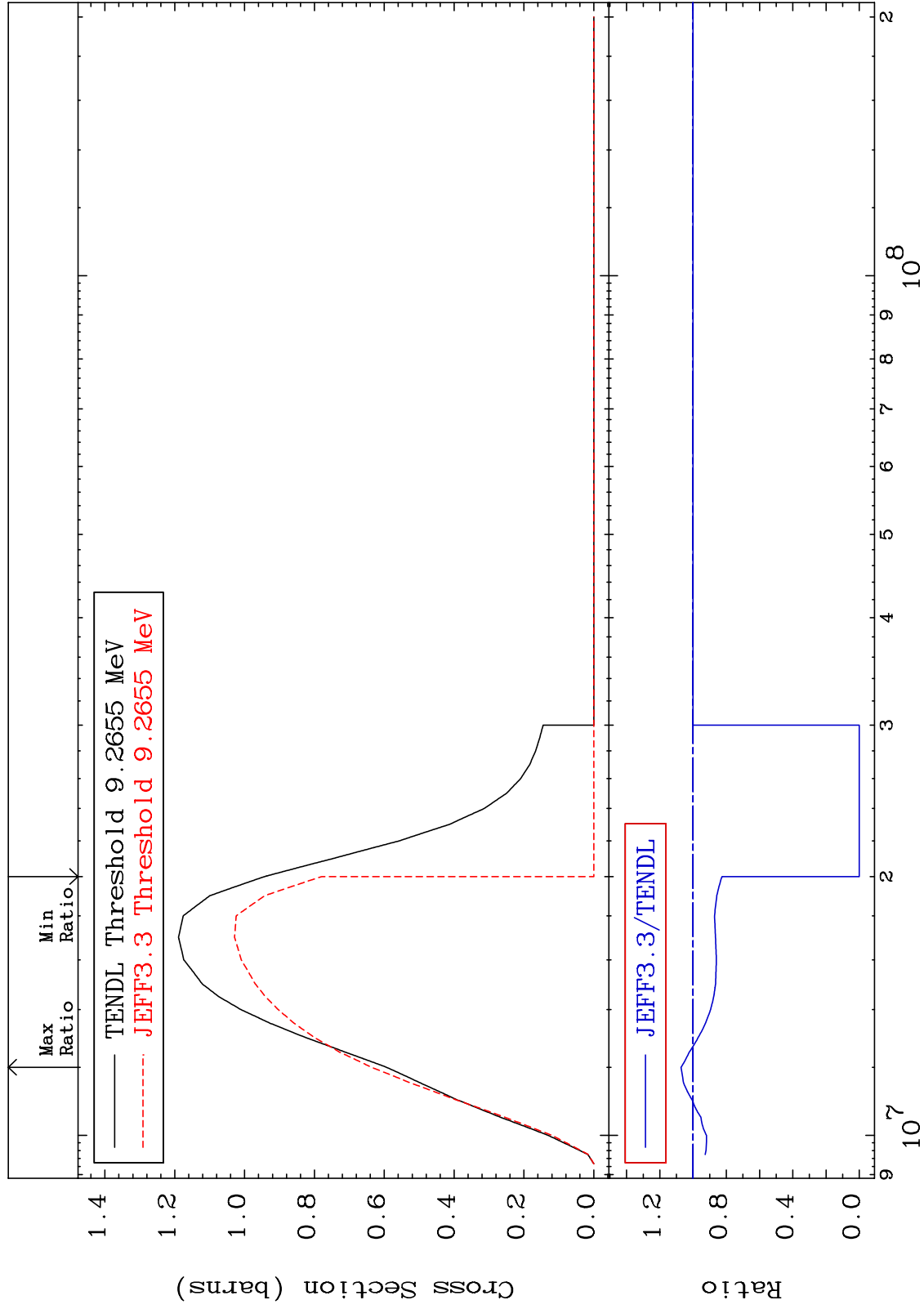


MAT 8225

(n,2n): 82-Pb-203m6

82-Pb-204

Radionuclide Production Cross Section -100.0 To 7.221 %



62

Incident Energy (eV)

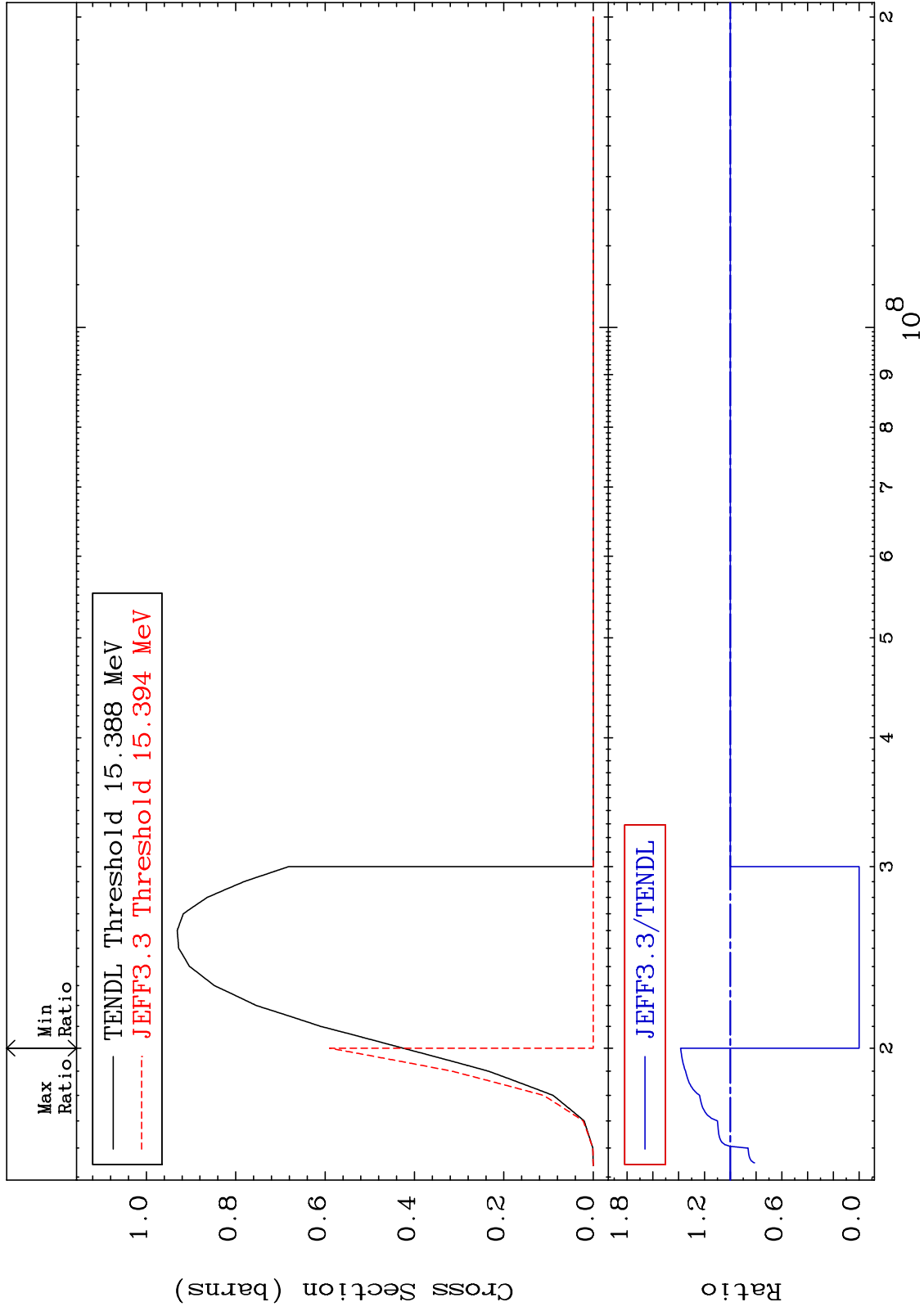
82-Pb-204

MAT 8225

(n,3n):82-Pb-202g

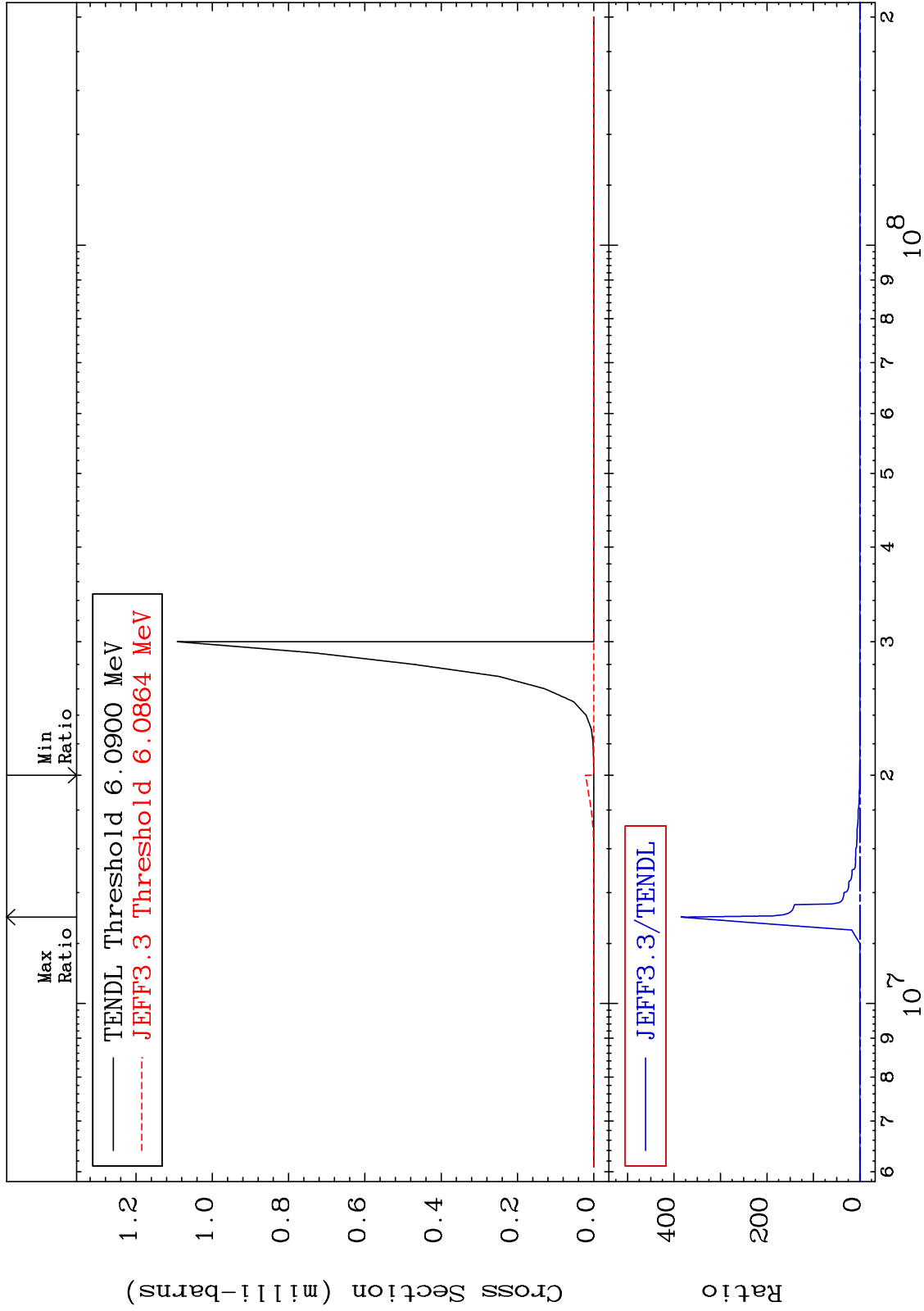
82-Pb-204

Radionuclide Production Cross Section -100.0 To 38.50 %



MAT 8225

(n,2n) α :80-Hg-199g 82-Pb-204
Radionuclide Production Cross Section -100.0 To 9999. %



64

Incident Energy (eV)

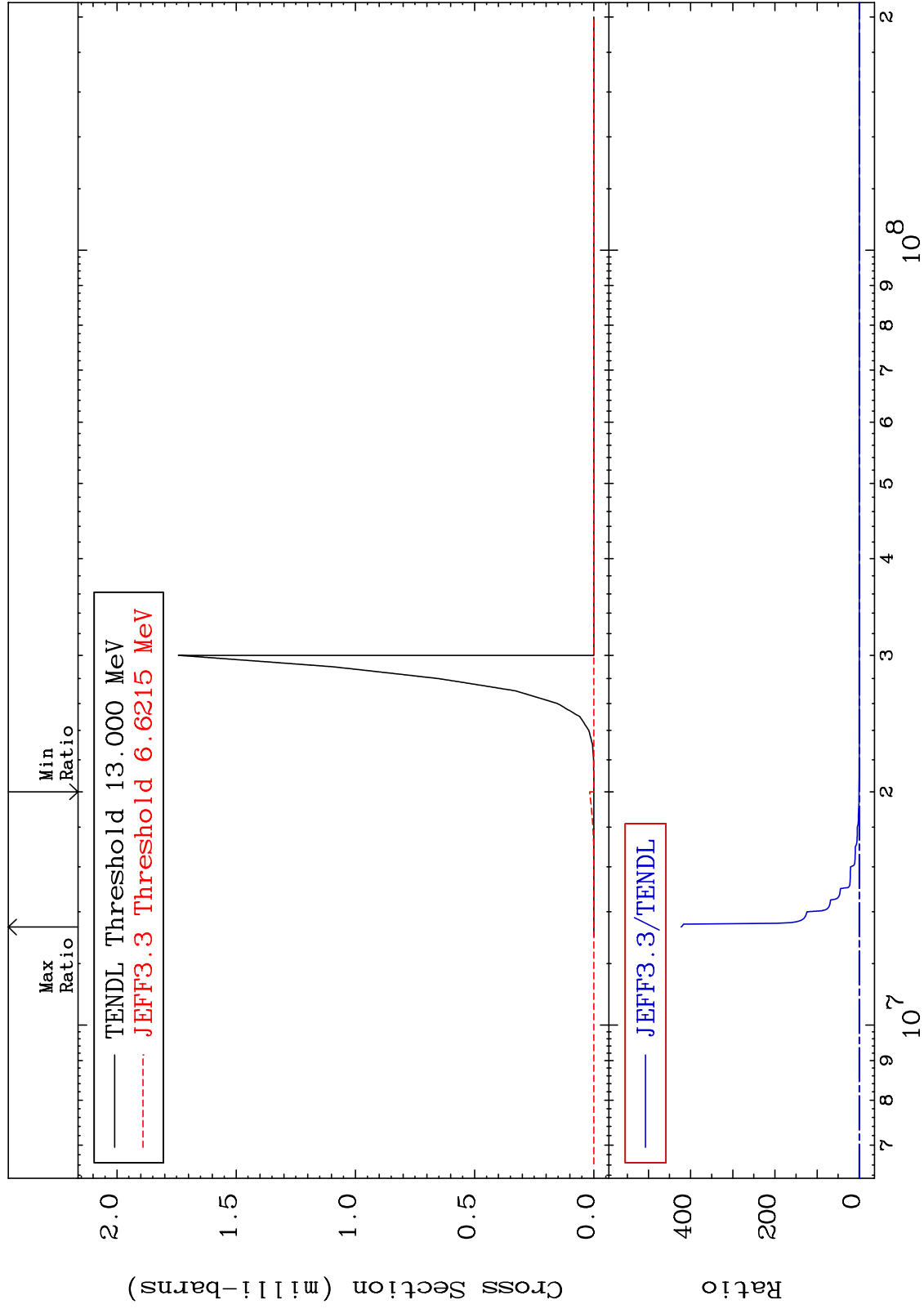
82-Pb-204

MAT 8225

(n, 2n) α : 80-Hg-199m7

82-Pb-204

Radionuclide Production Cross Section -100.0 To 9999. %



65

82-Pb-204

82-Pb-204