

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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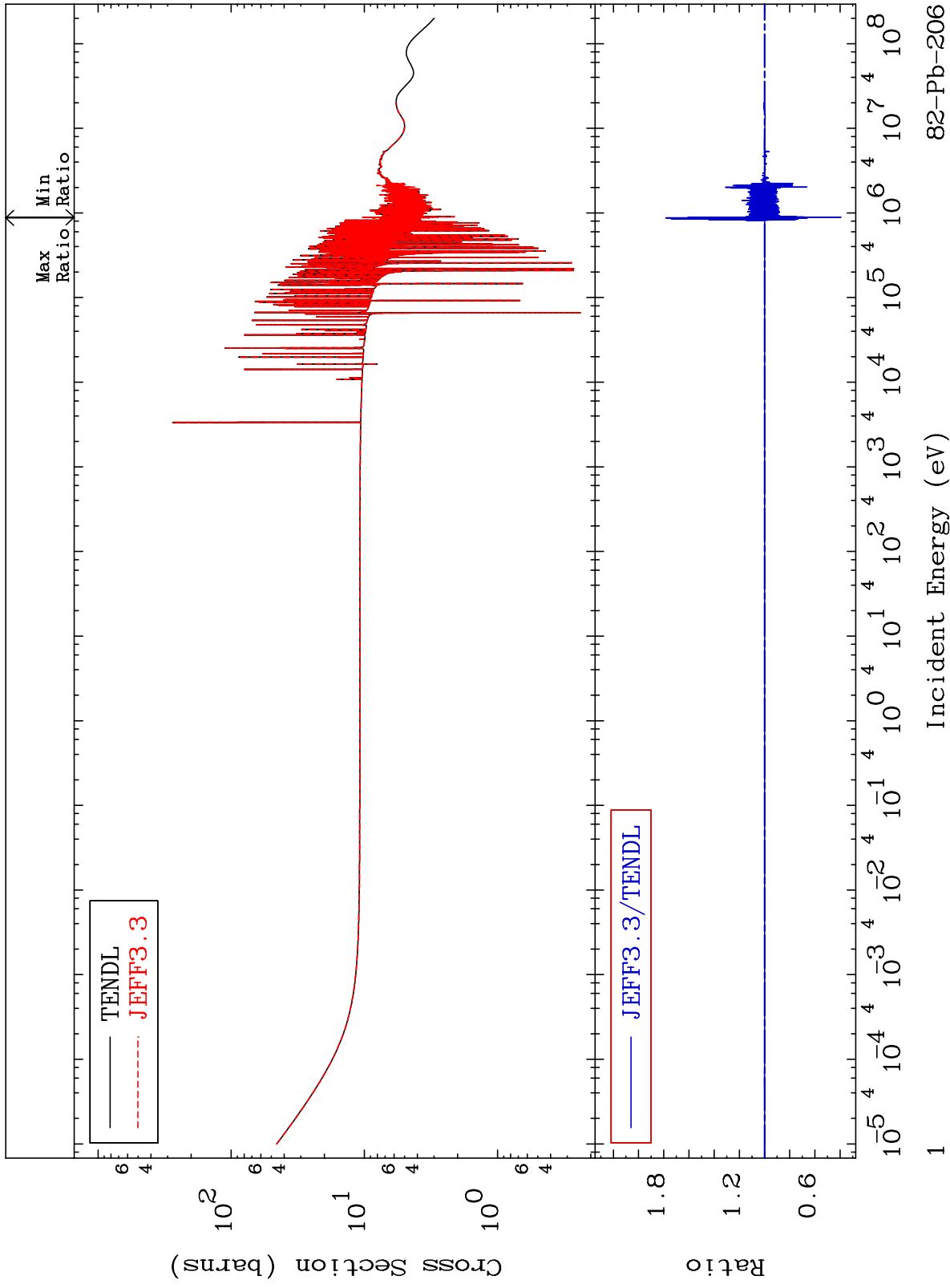
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8231

Total
Cross Section

82-Pb-206
-60.54 To 78.29 %



82-Pb-206

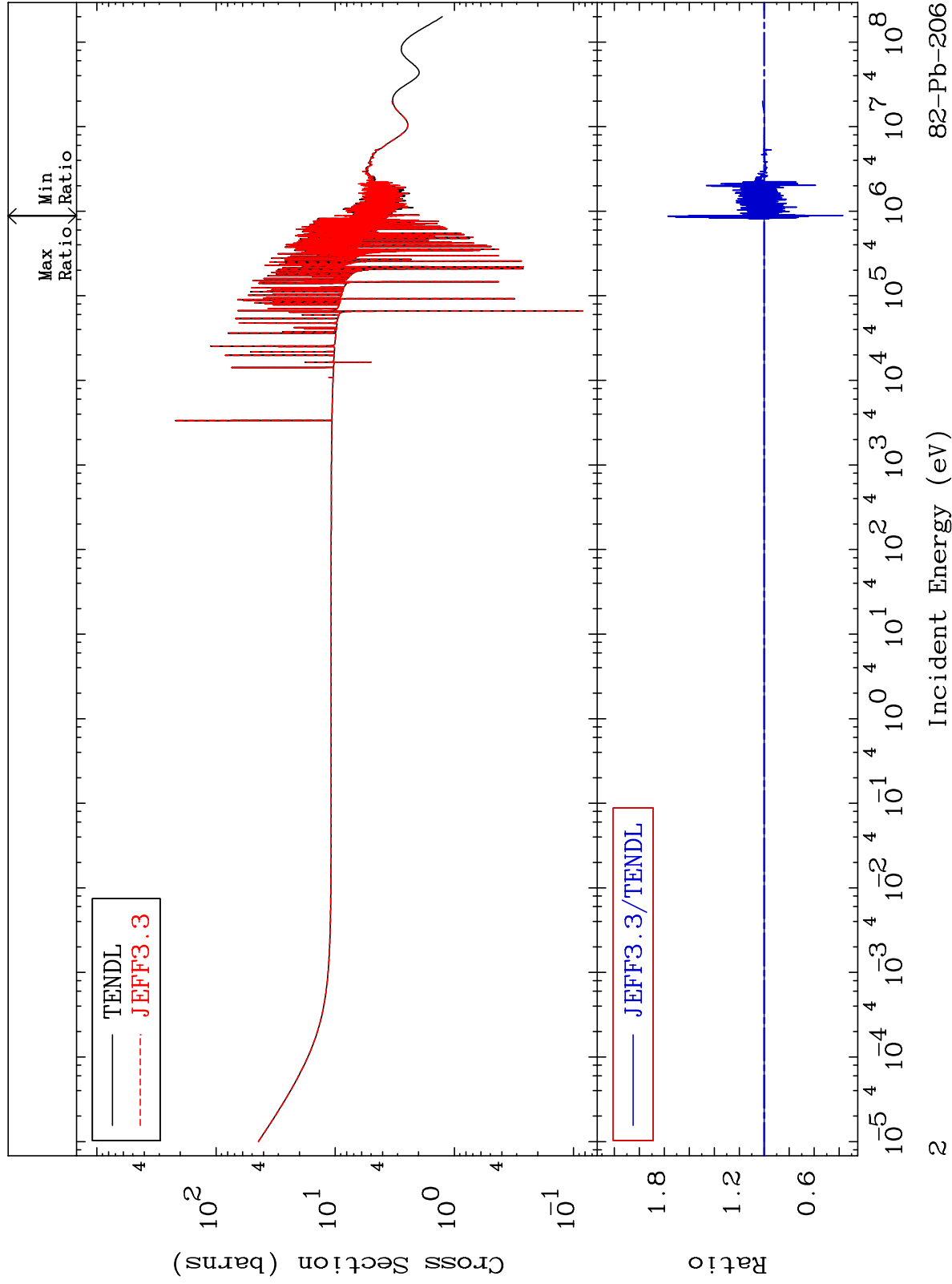
MAT 8231

Elastic

Cross Section

82-Pb-206

-62.95 To 77.04 %



Incident Energy (eV)

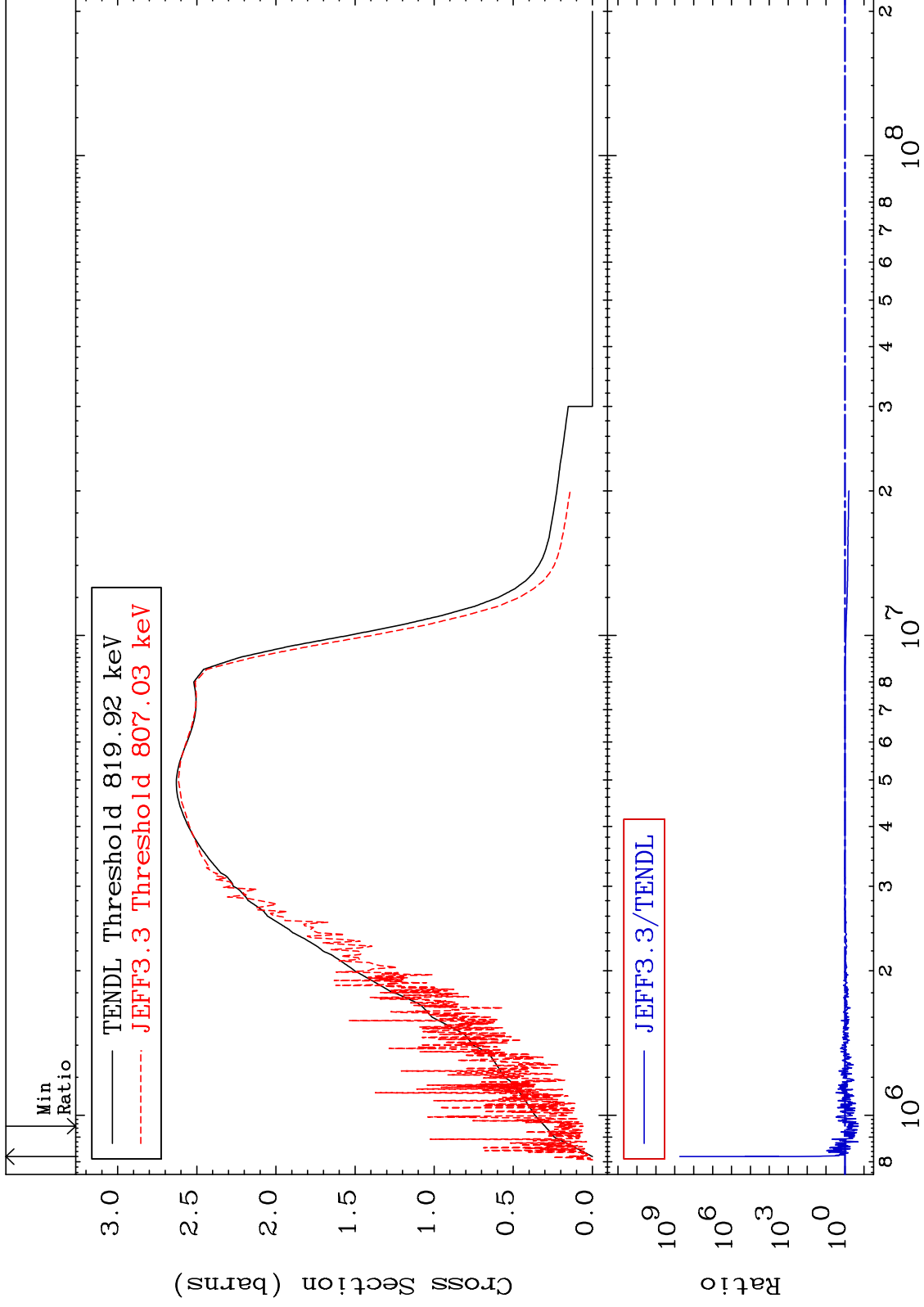
82-Pb-206

2

MAT 8231

Inelastic
Cross Section

82-Pb-206
-80.39 To 9999. %



3

82-Pb-206

82-Pb-206

MAT 8231

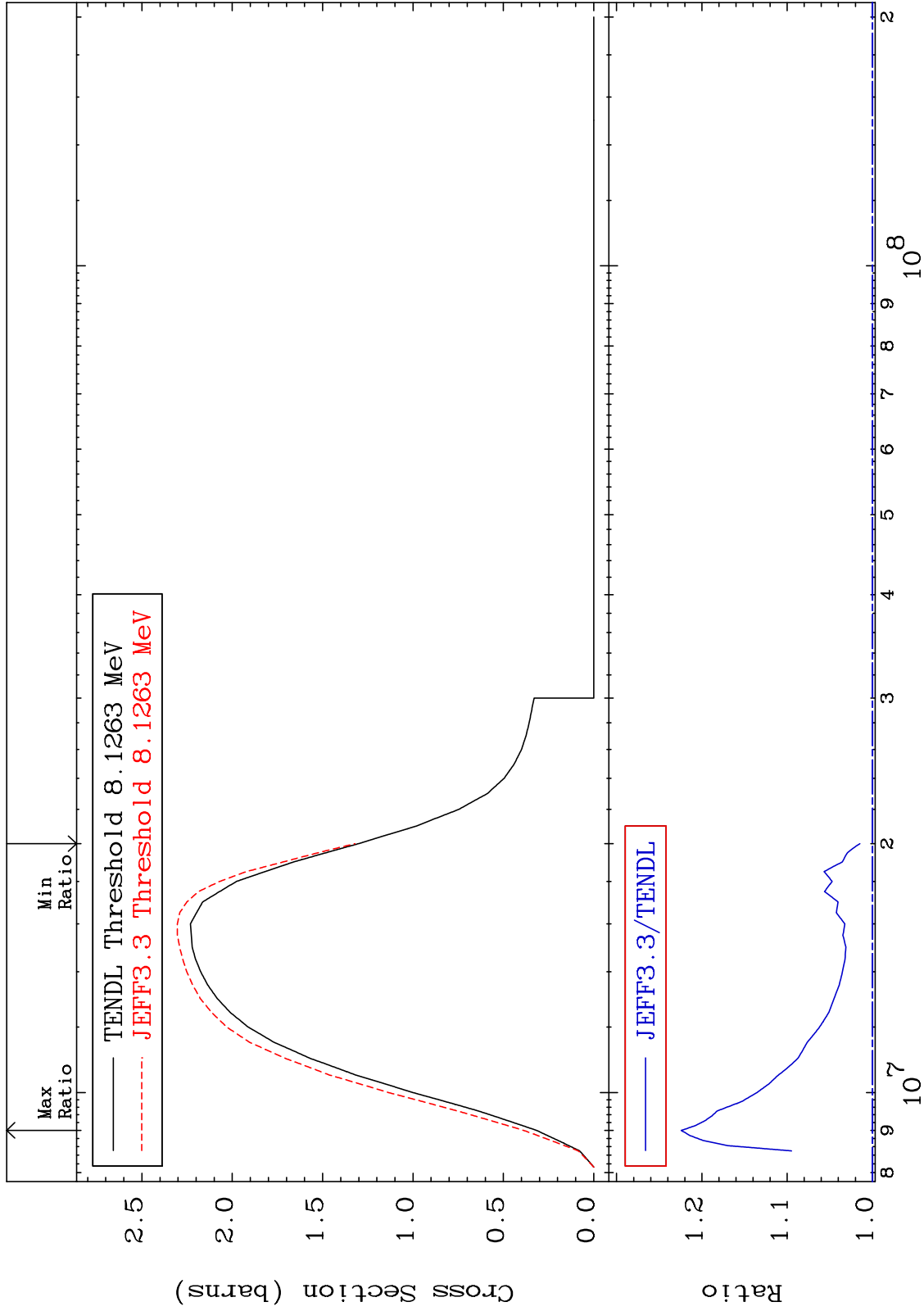
(n, 2n)

82-Pb-206

Cross Section

1.471

To 22.42 %



82-Pb-206

Incident Energy (eV)

4

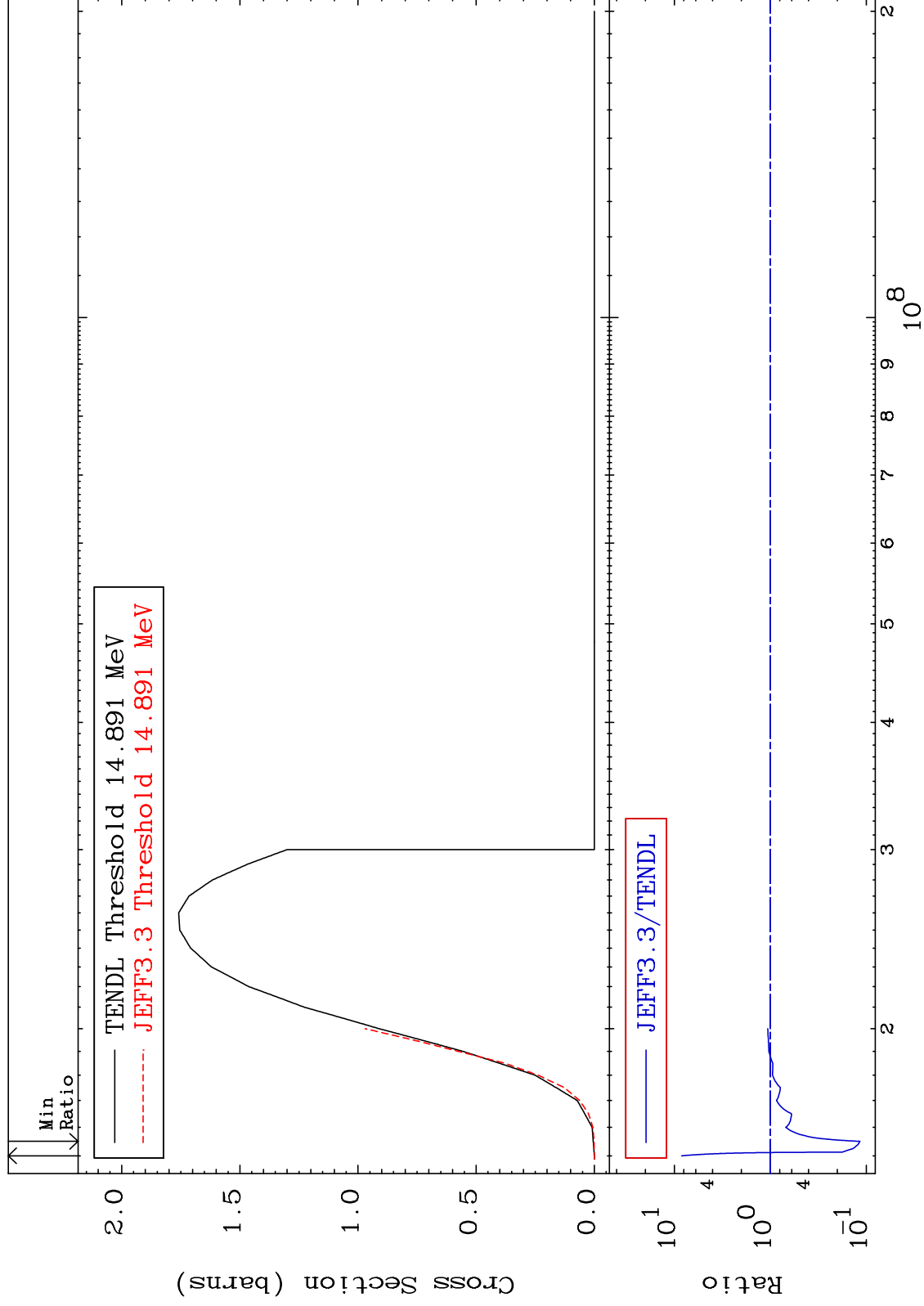
MAT 8231

(n, 3n)

82-Pb-206

Cross Section

-88.38 To 739.6 %



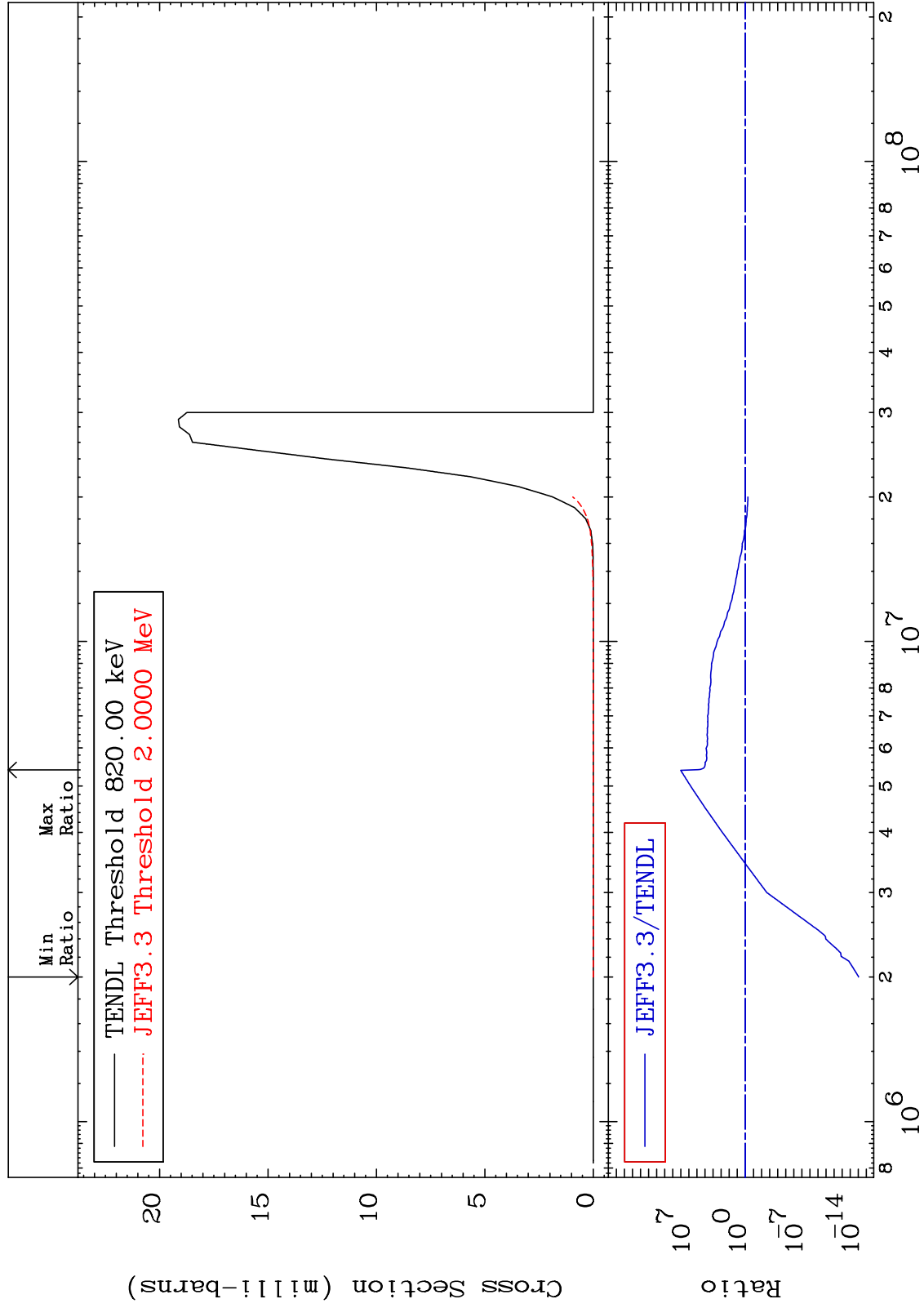
MAT 8231

(n, n') α

82-Pb-206

-100.0 To 9999. %

Cross Section



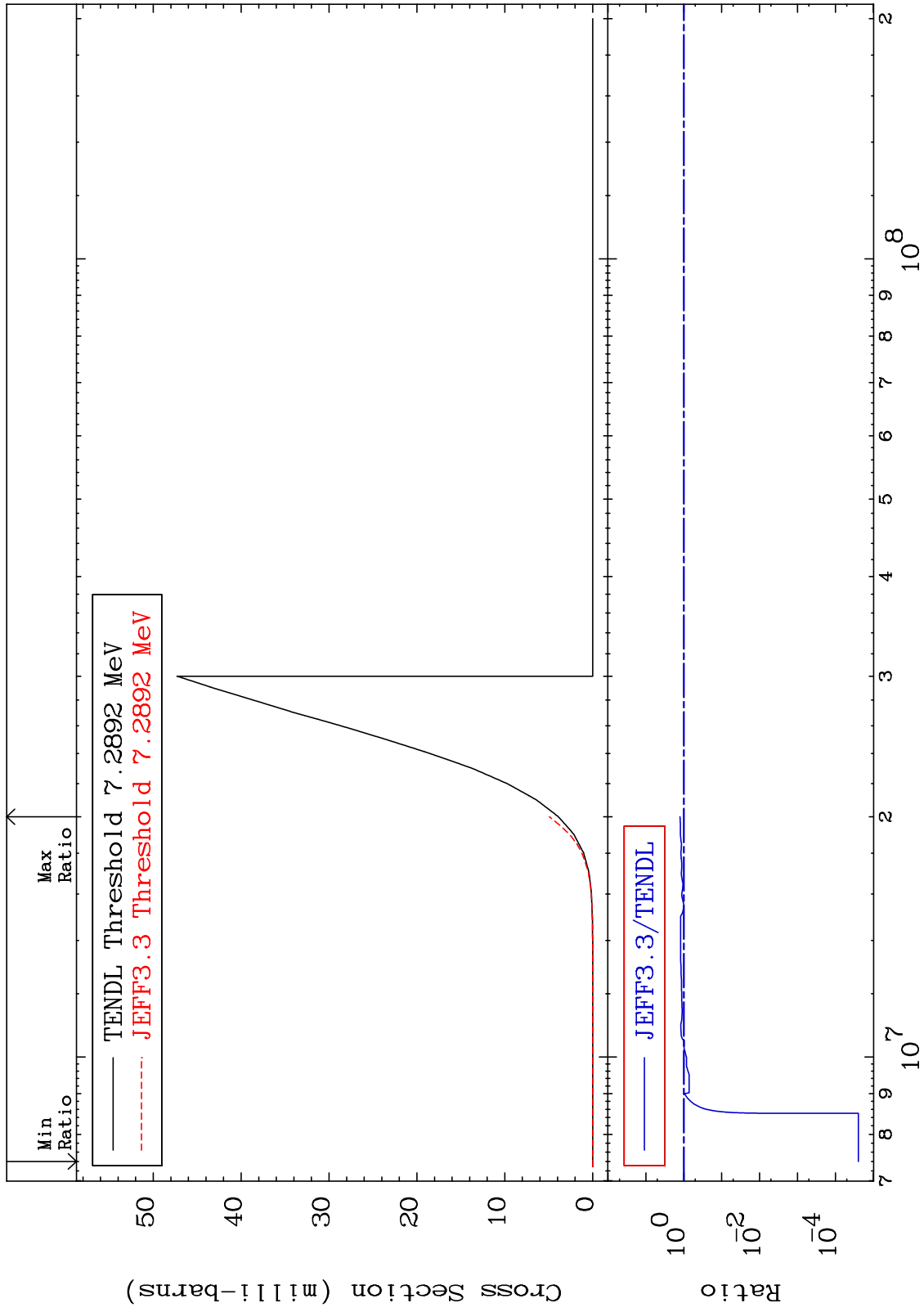
MAT 8231

(n, n') p

82-Pb-206

Cross Section

-100.0 To 26.08 %



Incident Energy (eV)

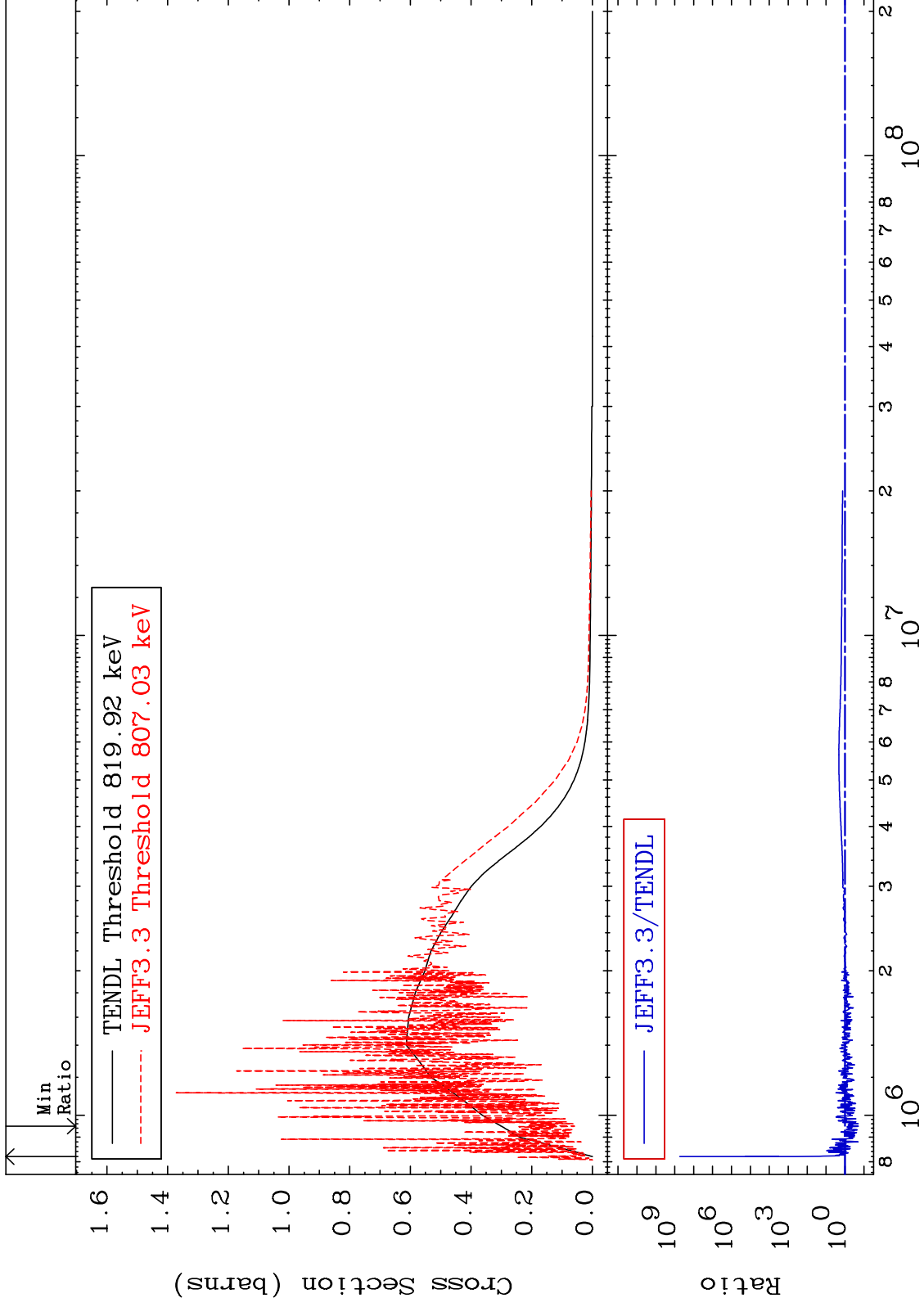
82-Pb-206

7

MAT 8231

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

82-Pb-206
-80.40 To 9999. %



8

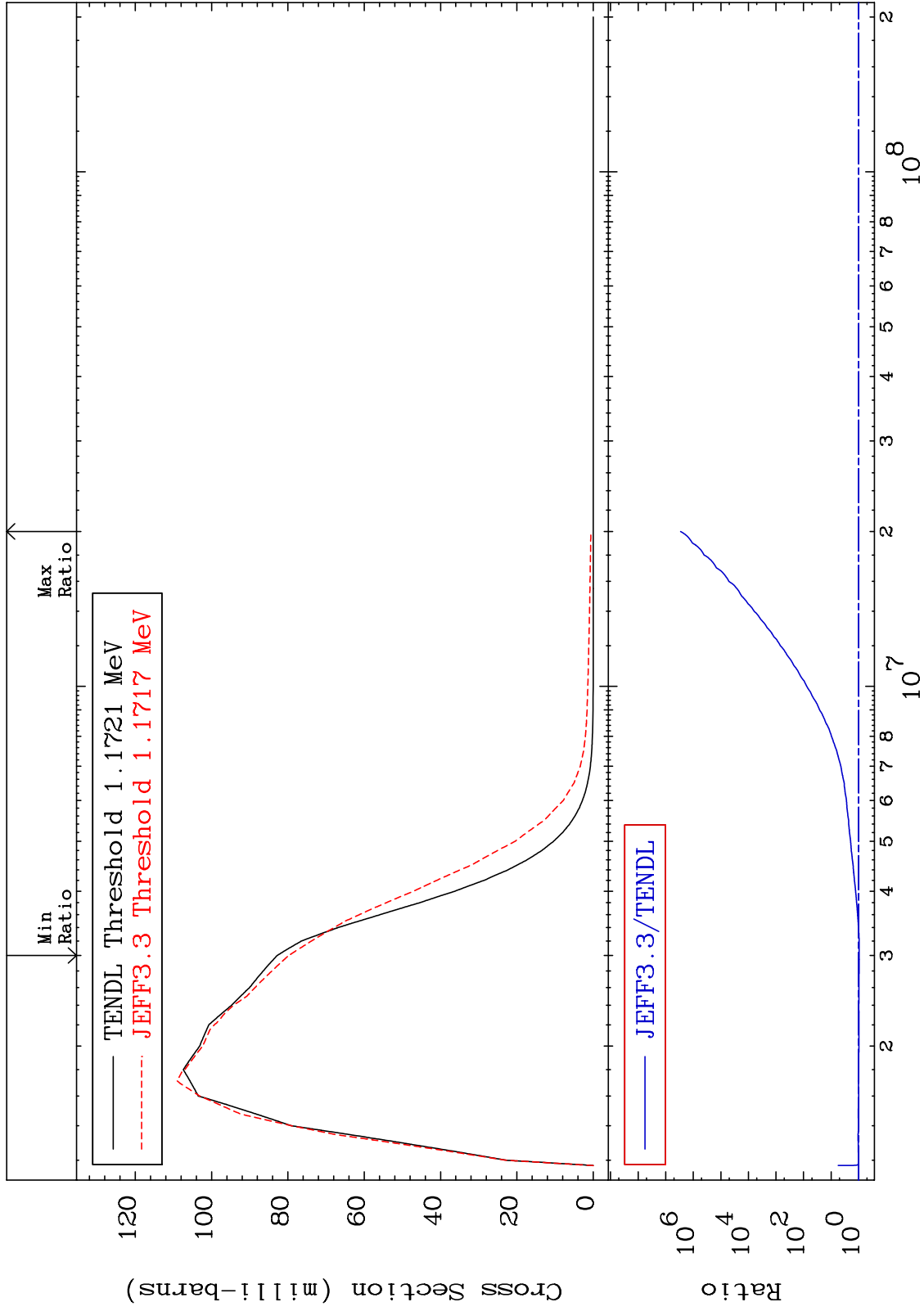
82-Pb-206

82-Pb-206

MAT 8231

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

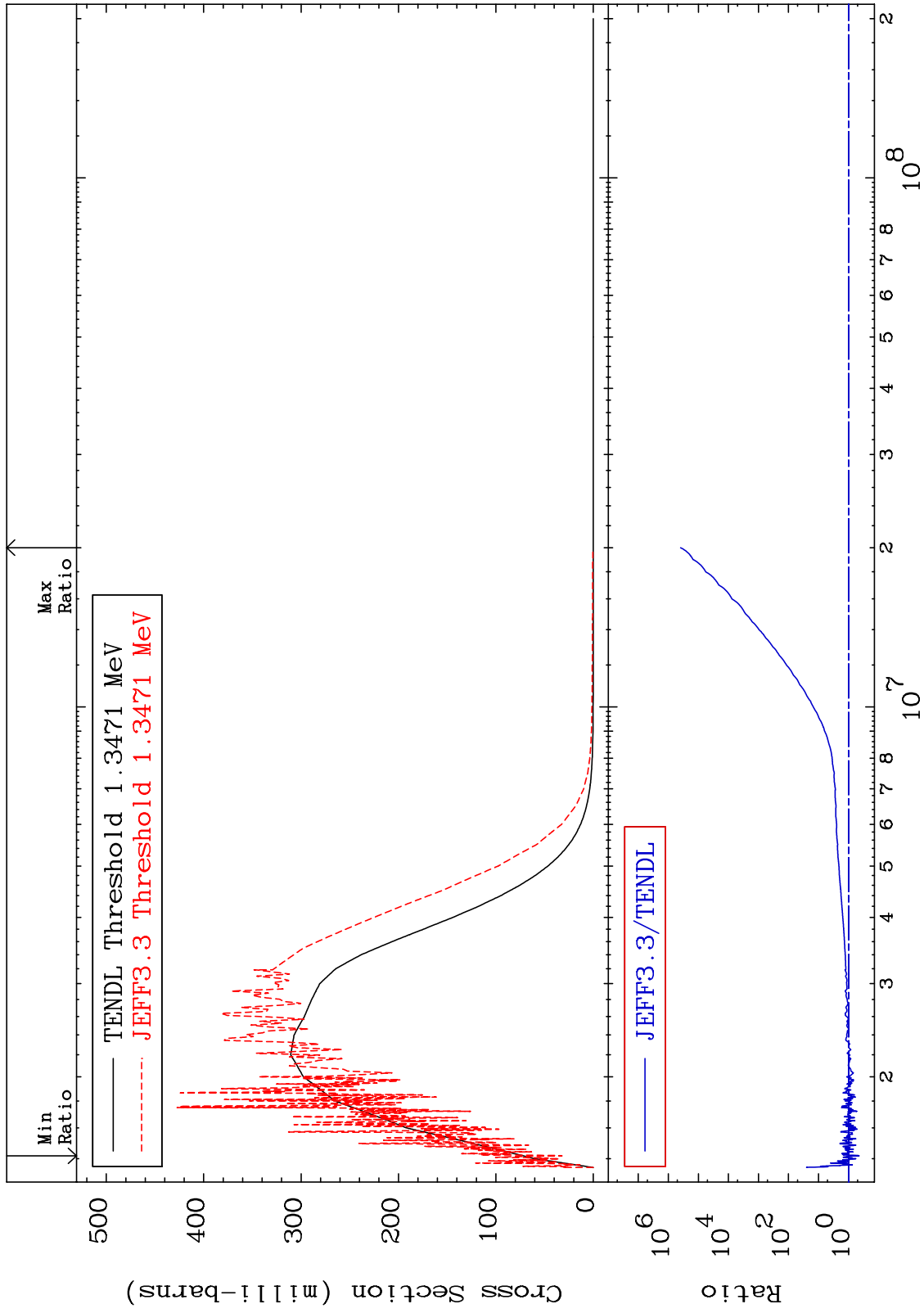
82-Pb-206
-3.697 To 9999. %



MAT 8231

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

82-Pb-206
-55.61 To 9999. %



10

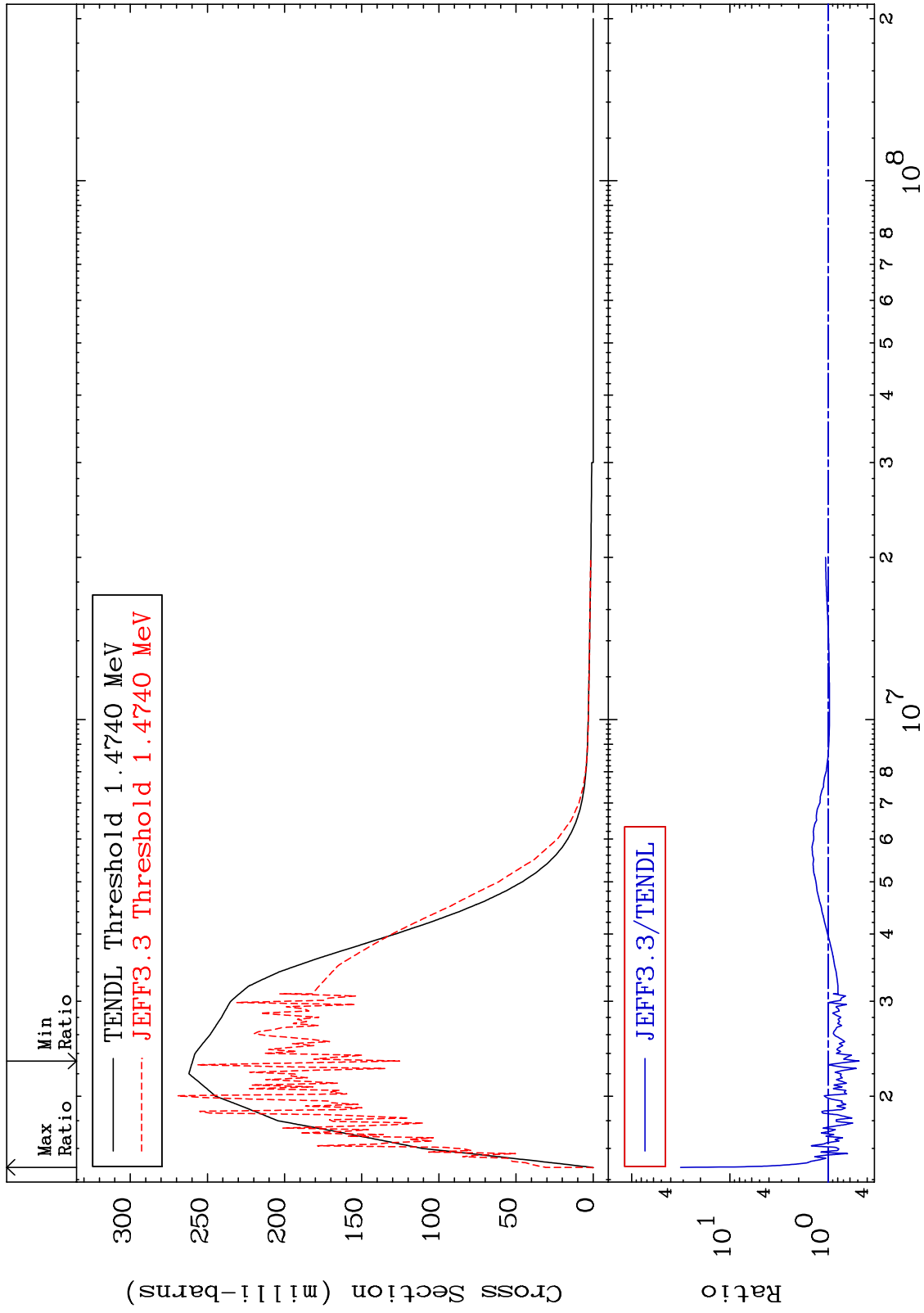
Incident Energy (eV)

82-Pb-206

MAT 8231

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

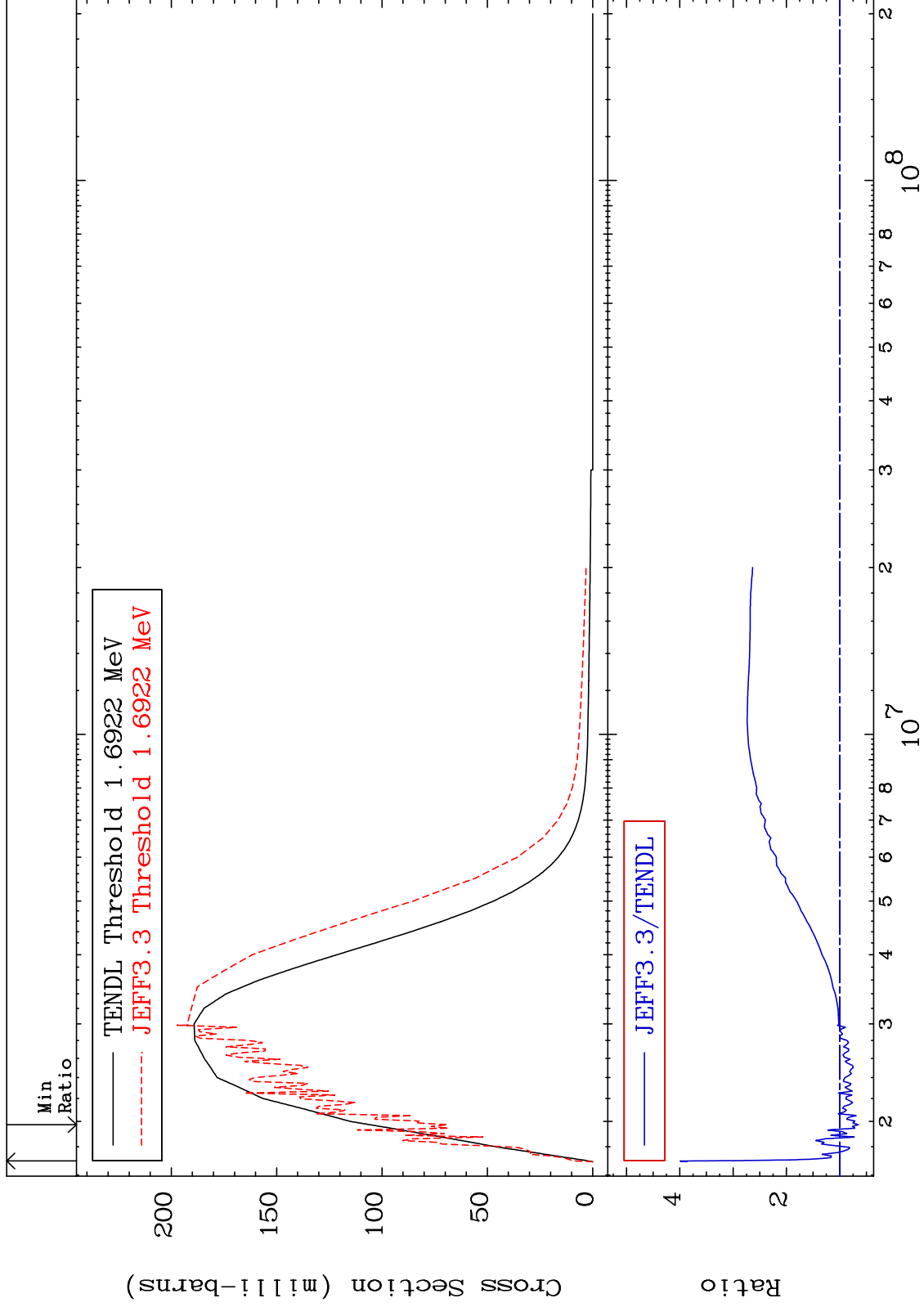
82-Pb-206
-51.60 To 3079. %



MAT 8231

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

82-Pb-206
-35.07 To 299.5 %



12

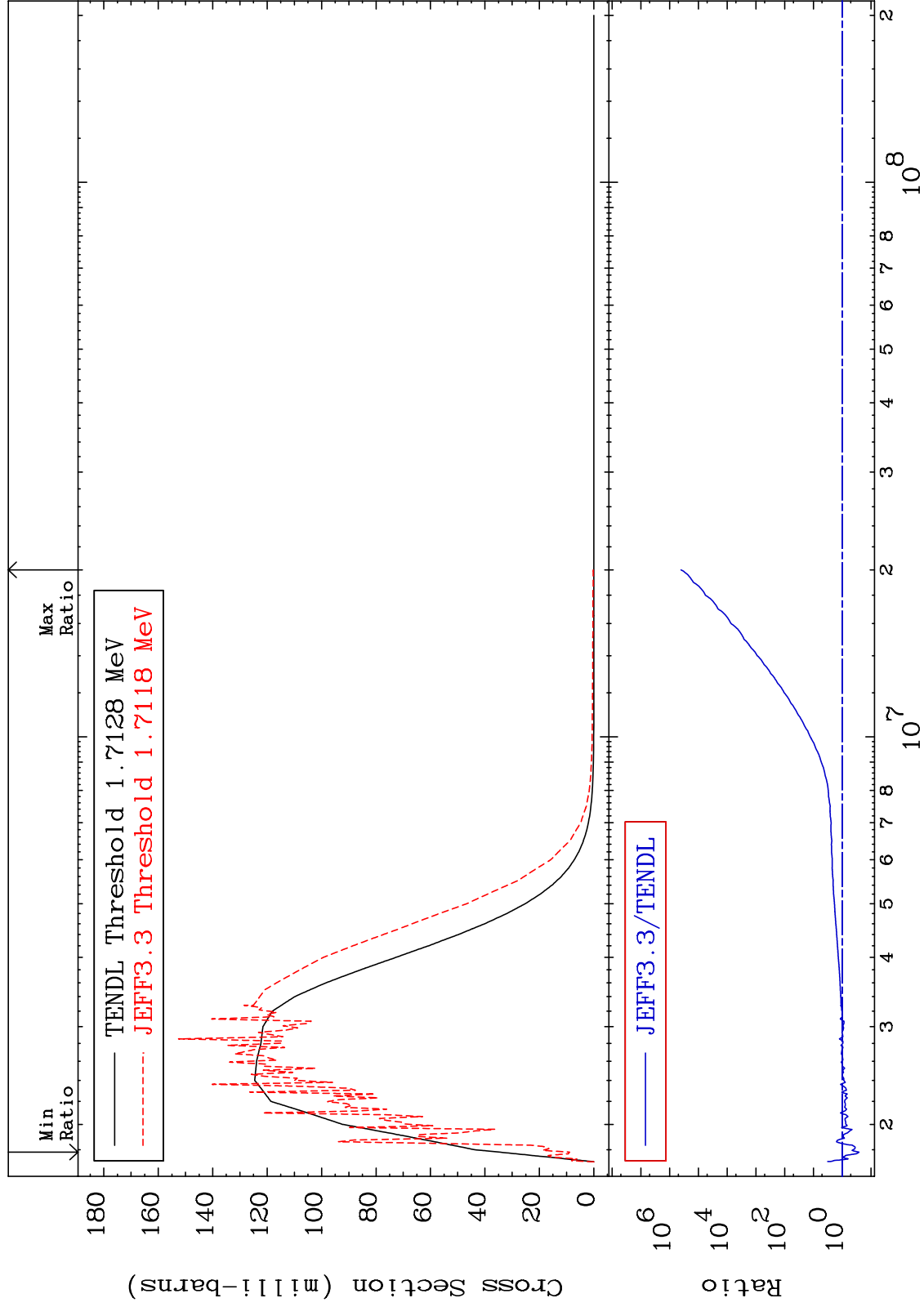
82-Pb-206

82-Pb-206

MAT 8231

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

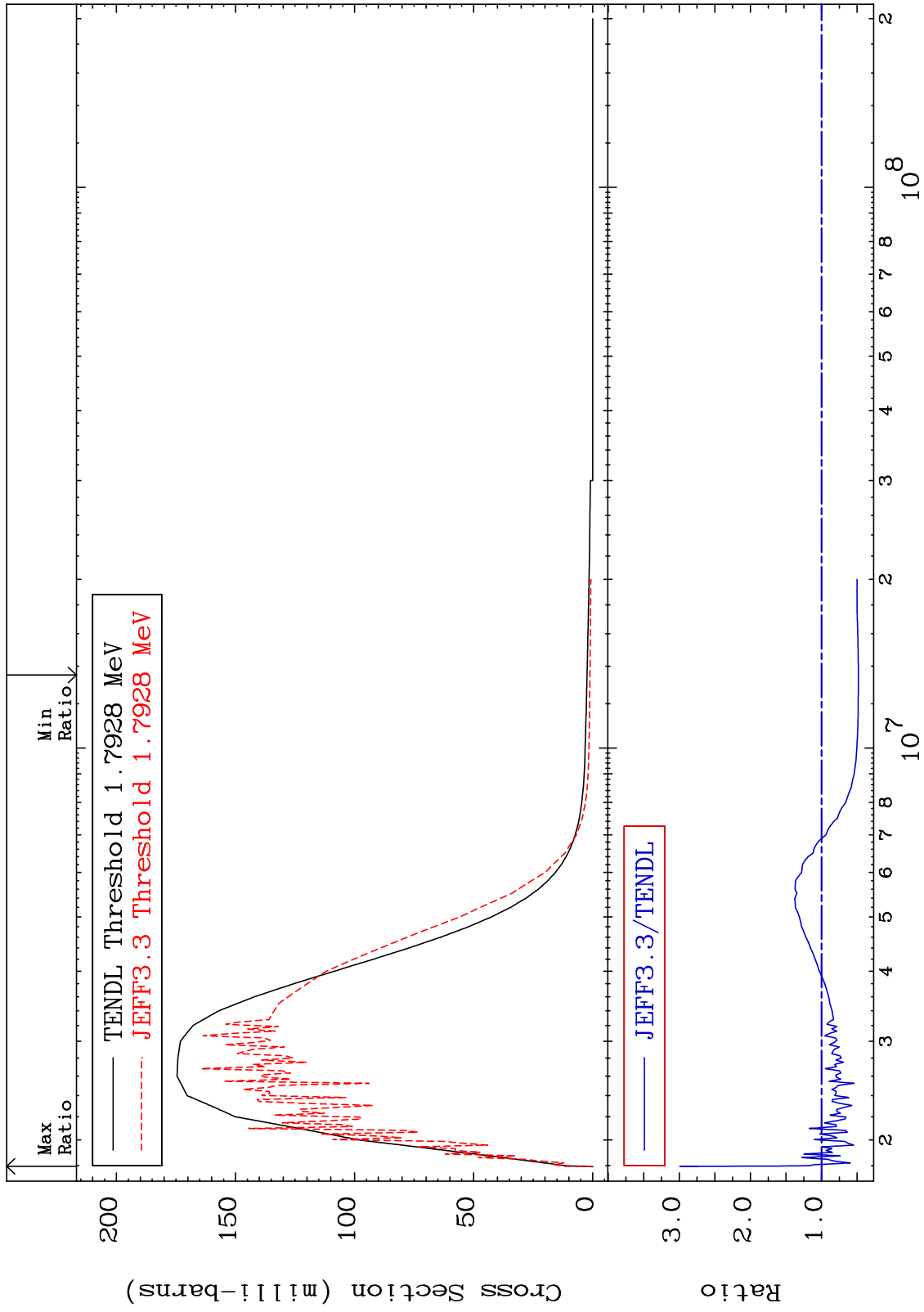
82-Pb-206
-74.62 To 9999. %



MAT 8231

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

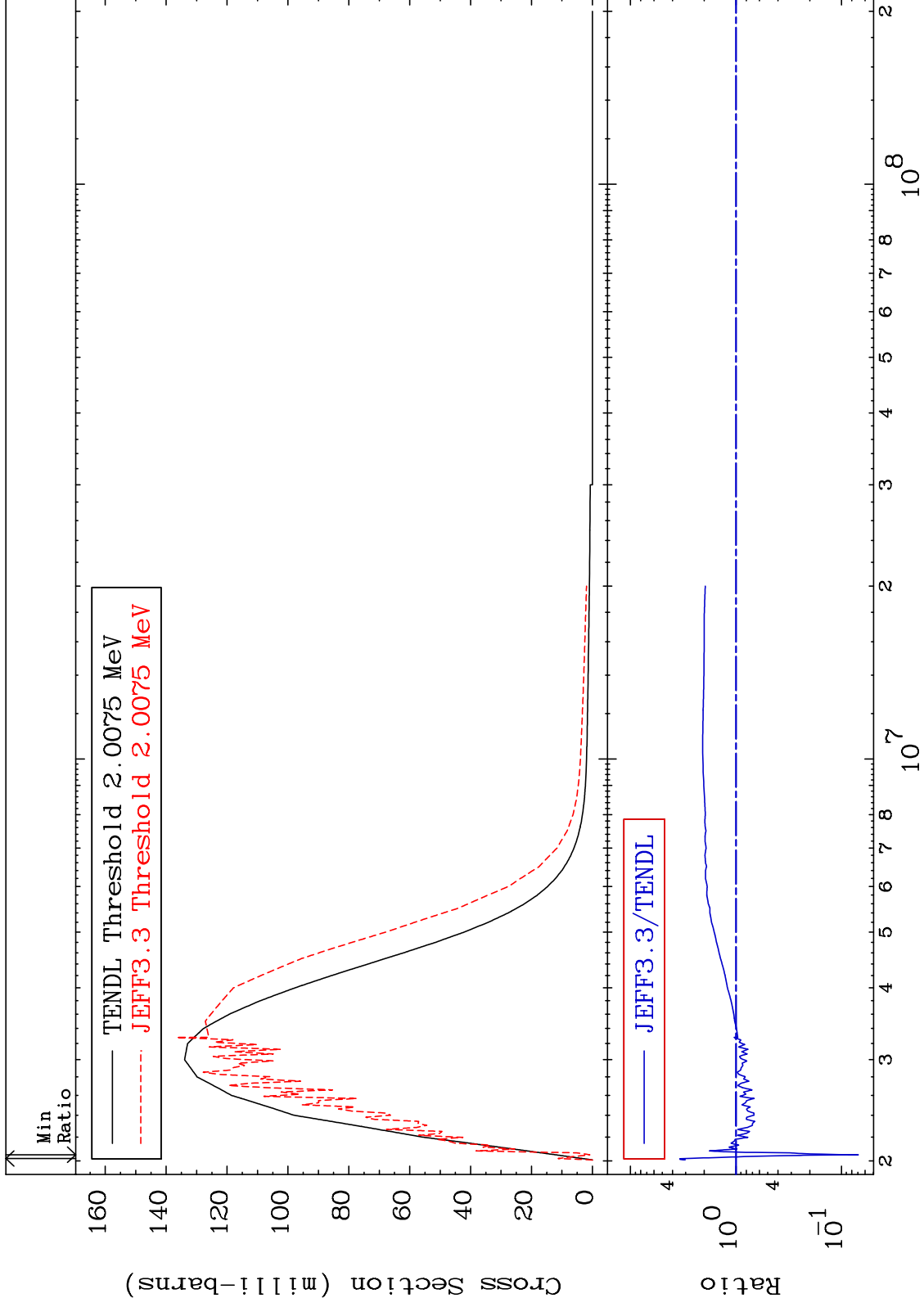
82-Pb-206
-51.86 To 199.0 %



MAT 8231

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

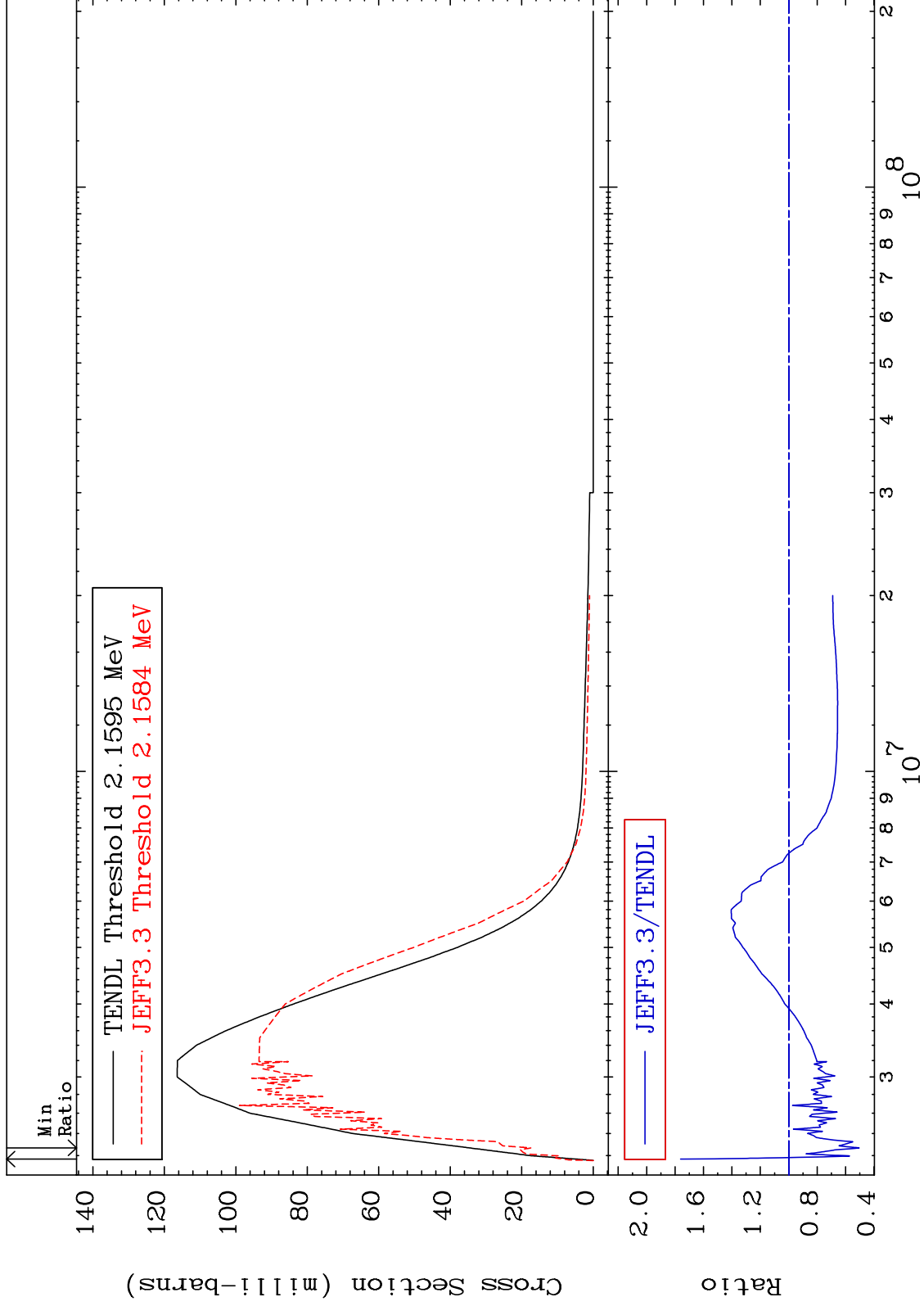
82-Pb-206
-93.06 To 241.0 %



MAT 8231

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

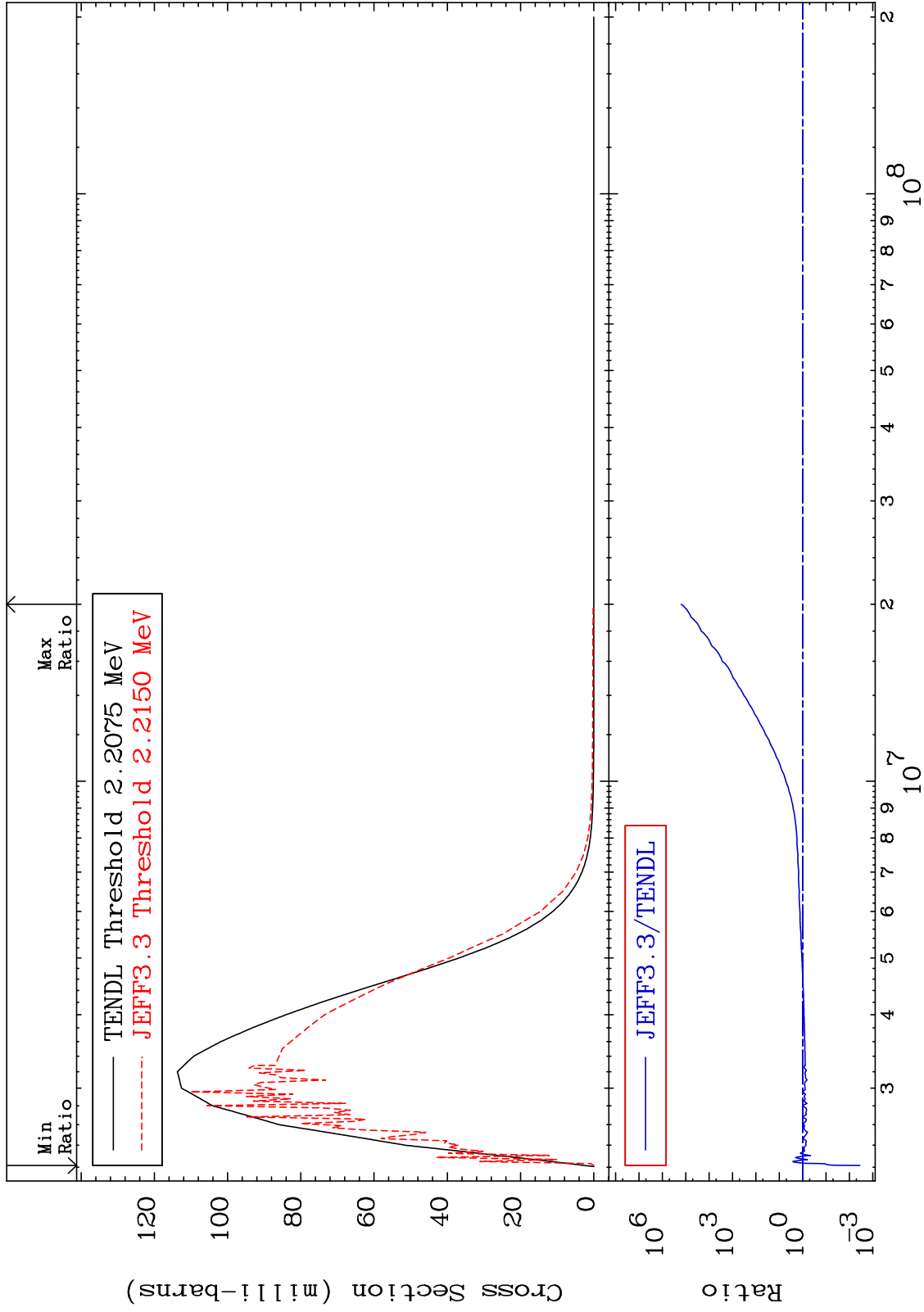
82-Pb-206
-49.56 To 76.09 %



MAT 8231

MT= 60 (n,n') Level
Cross Section

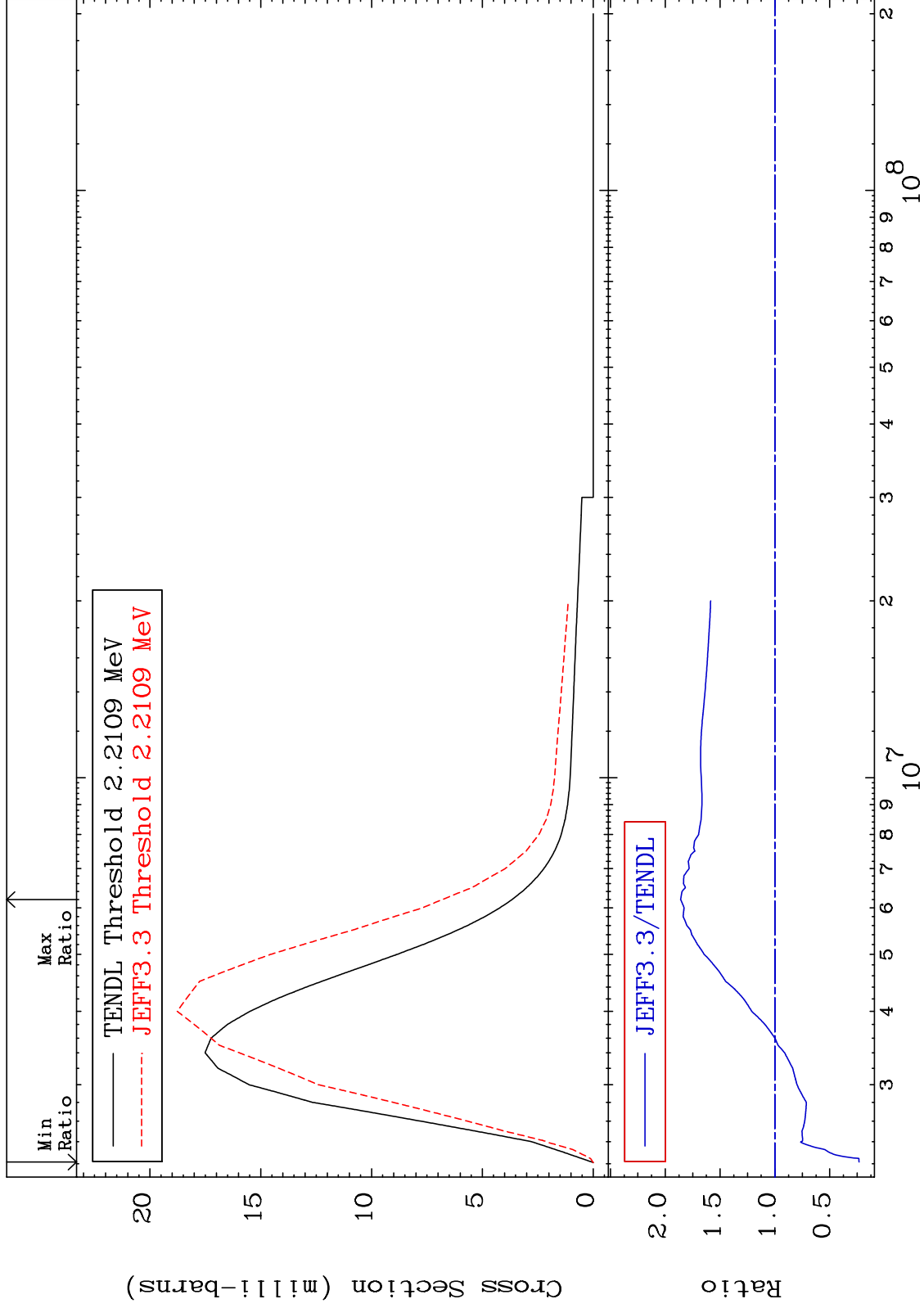
82-Pb-206
-99.65 To 9999. %



MAT 8231

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

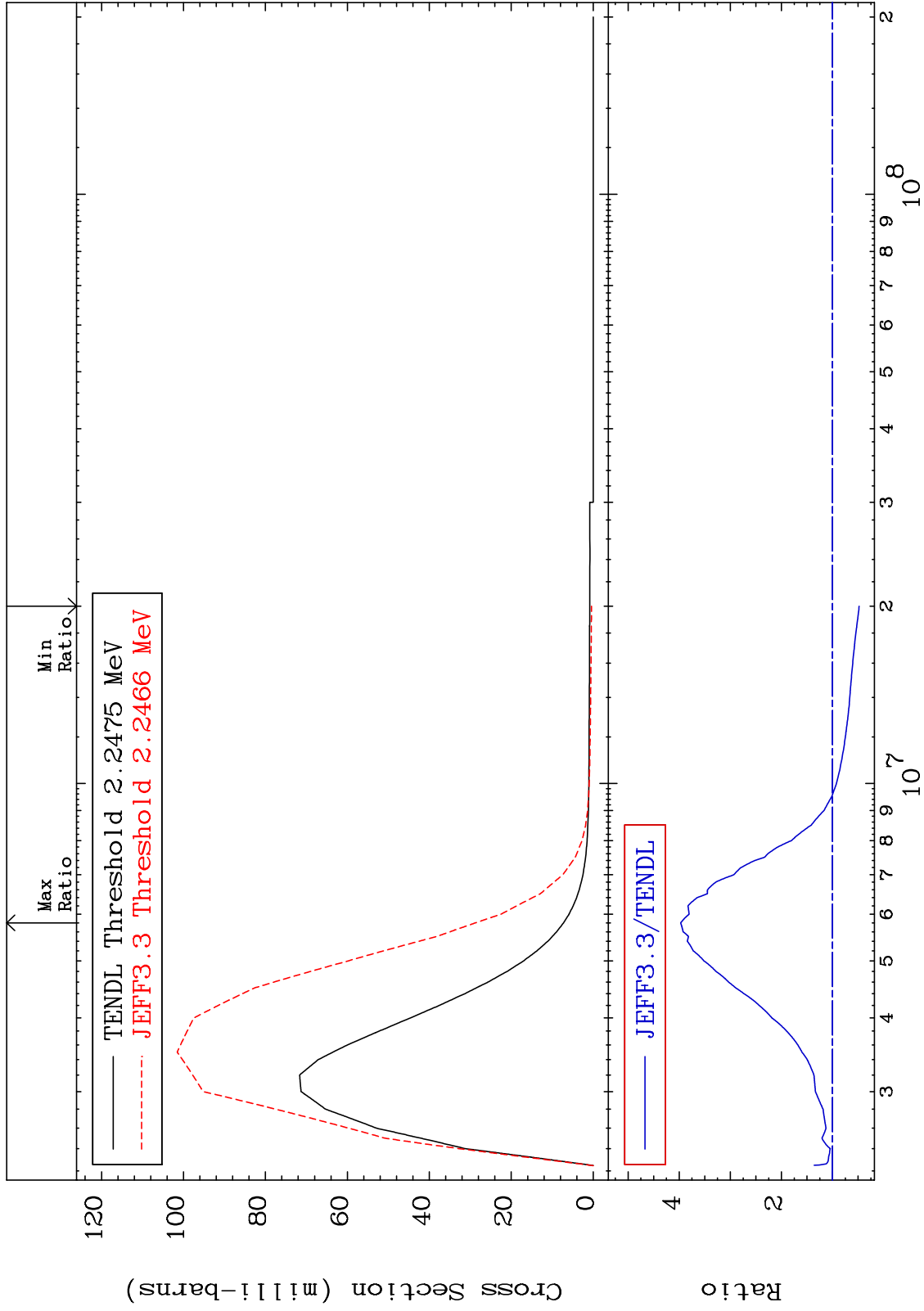
82-Pb-206
-76.84 To 85.99 %



MAT 8231

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

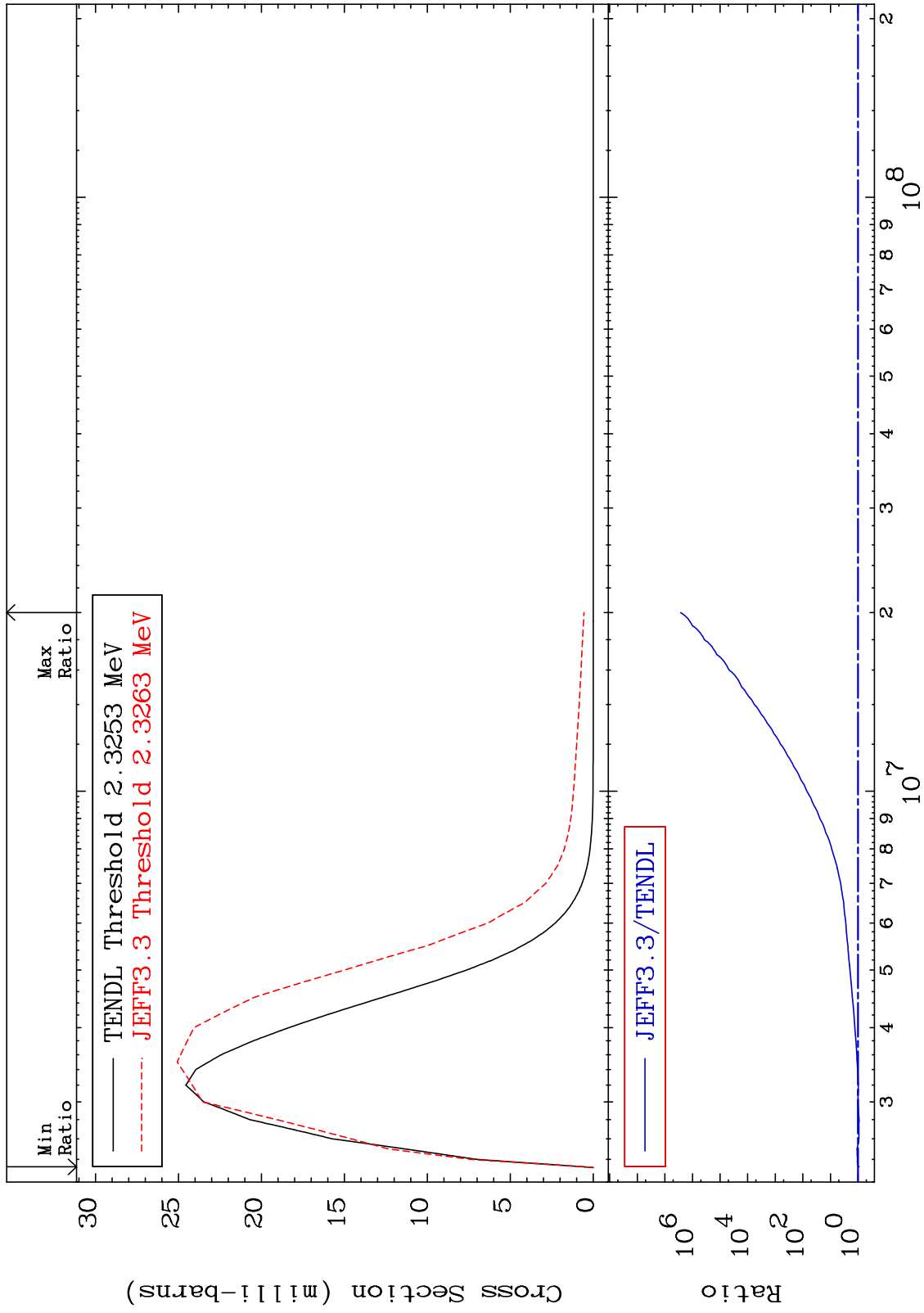
82-Pb-206
-52.07 To 297.2 %



MAT 8231

MT= 63 (n,n') Level
Cross Section

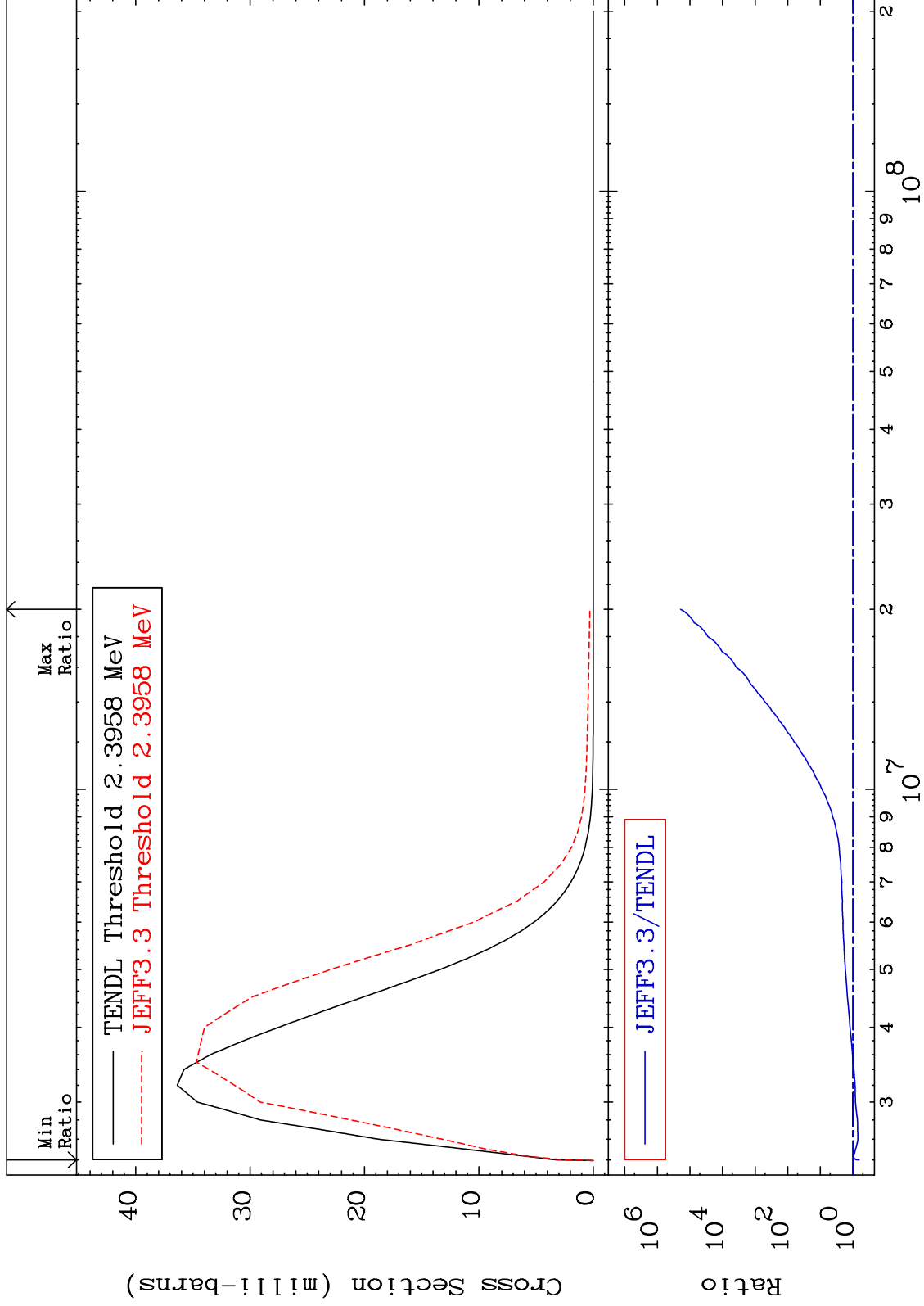
82-Pb-206
-8.973 To 9999. %



MAT 8231

MT= 64 (n,n') Level
Cross Section

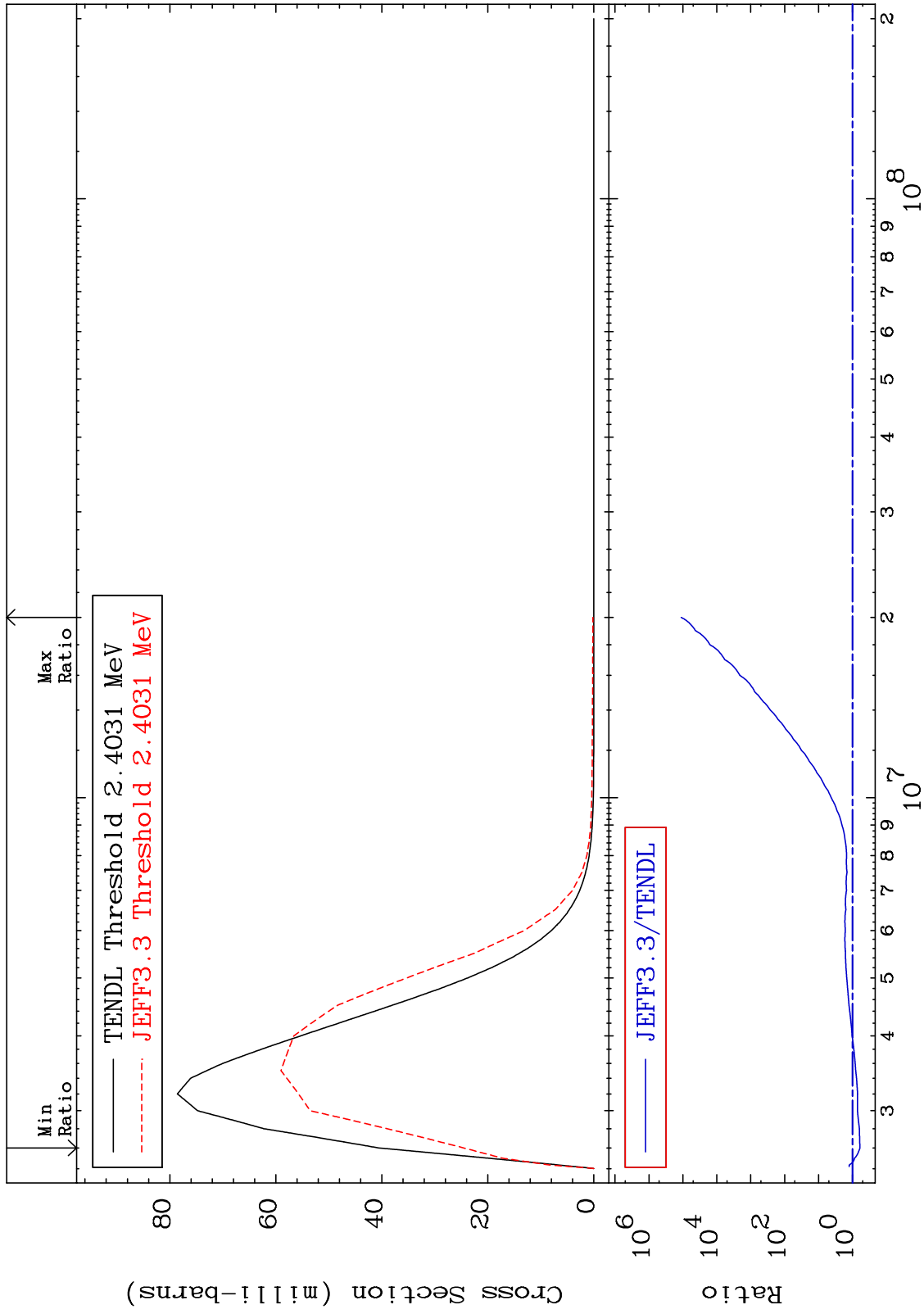
82-Pb-206
-35.49 To 9999. %



MAT 8231

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

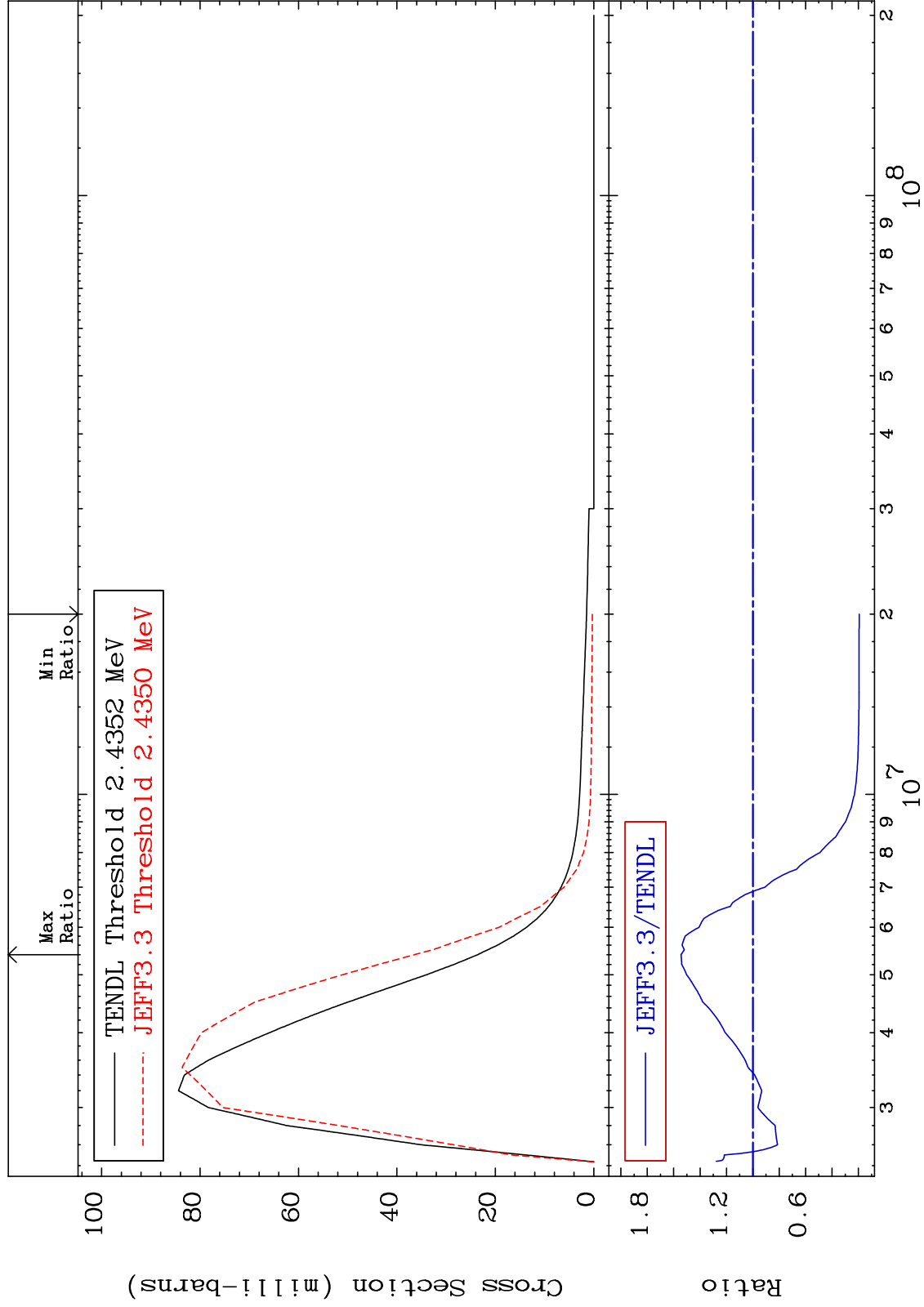
82-Pb-206
-39.50 To 9999. %



MAT 8231

MT= 66 (n,n') Level
Cross Section

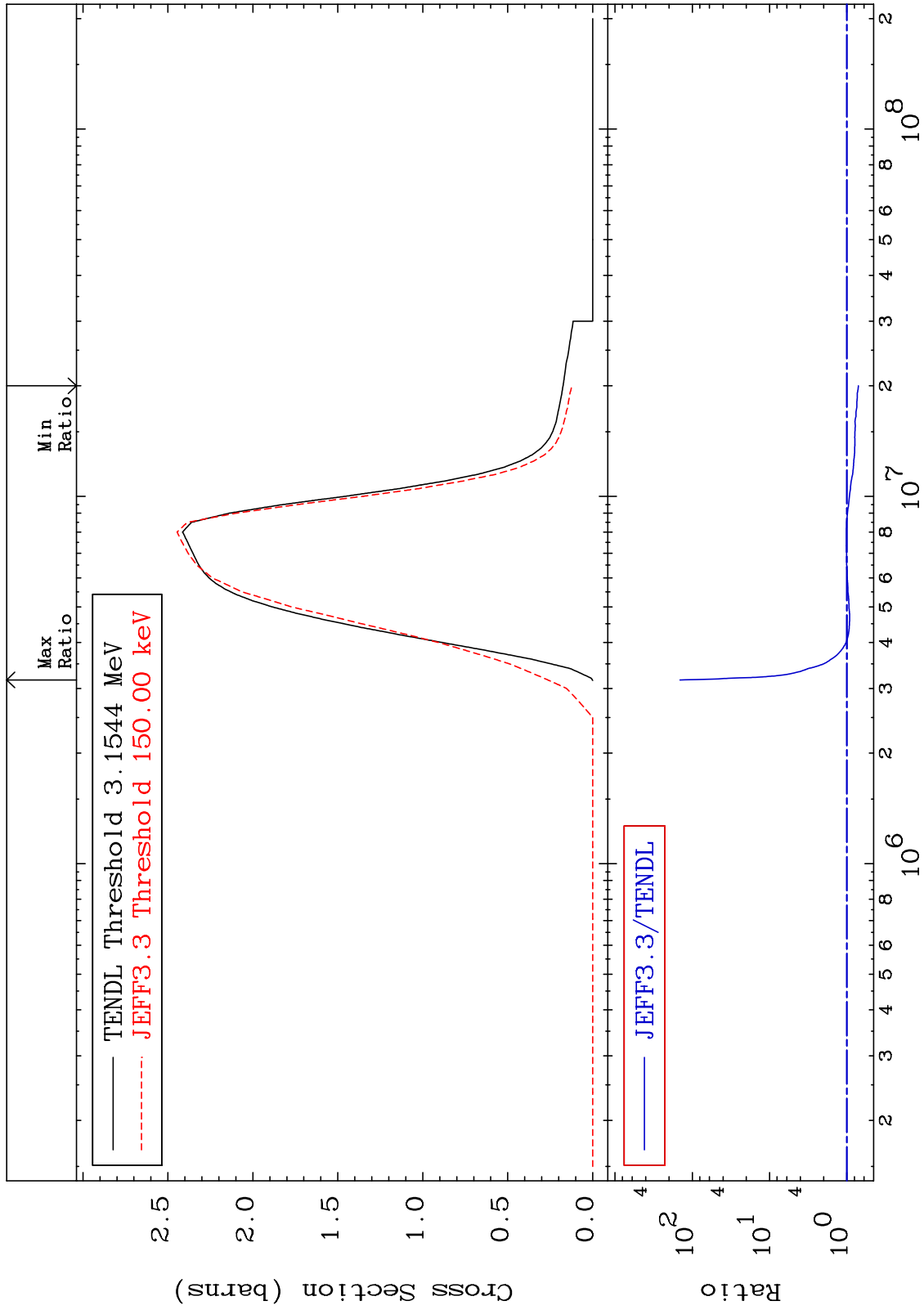
82-Pb-206
-80.68 To 54.40 %



MAT 8231

(n, n') Continuum
Cross Section

82-Pb-206
-29.07 To 9999. %



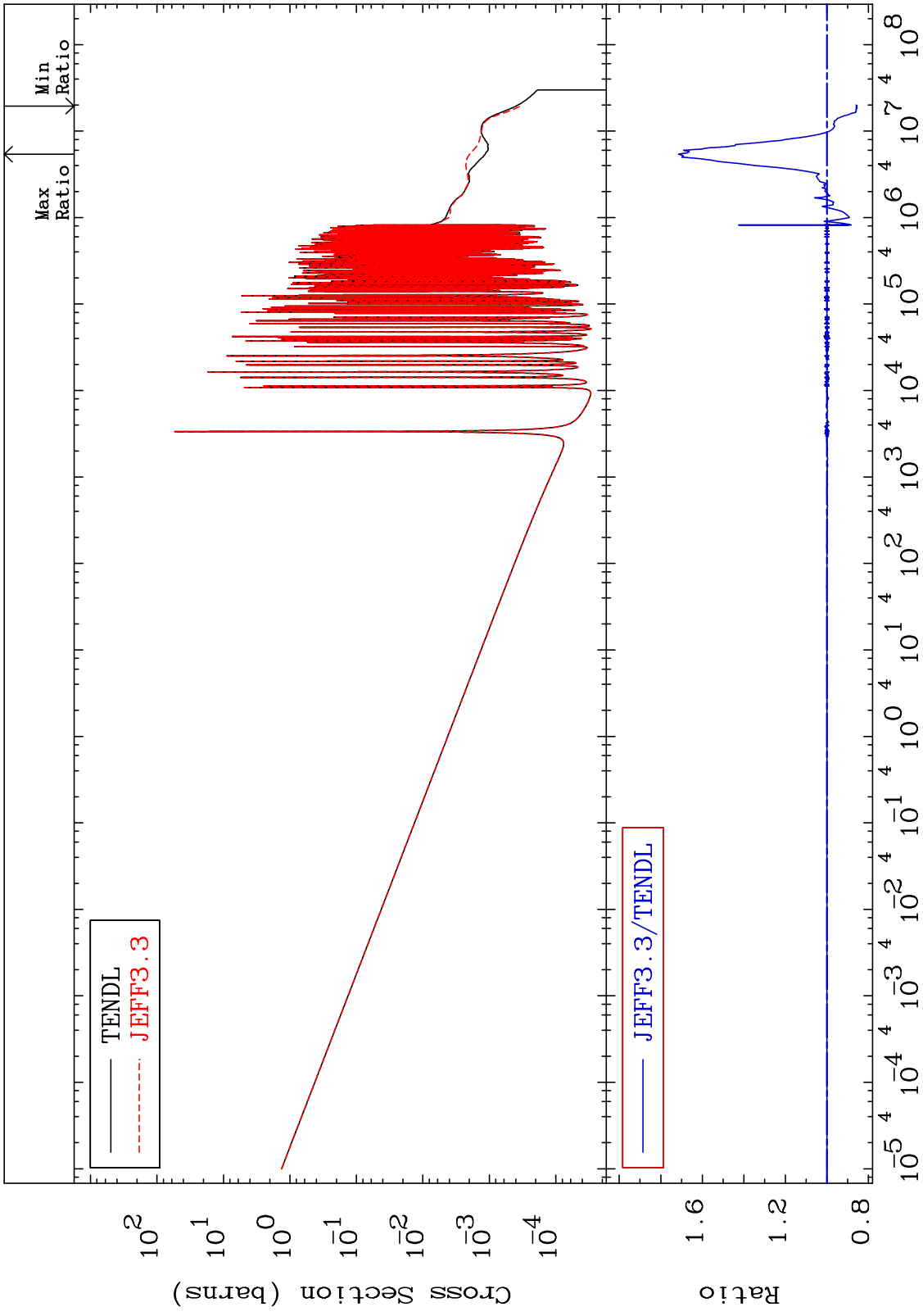
MAT 8231

(n, γ)

82-Pb-206

Cross Section

-14.61 To 71.40 %



25

Incident Energy (eV)

82-Pb-206

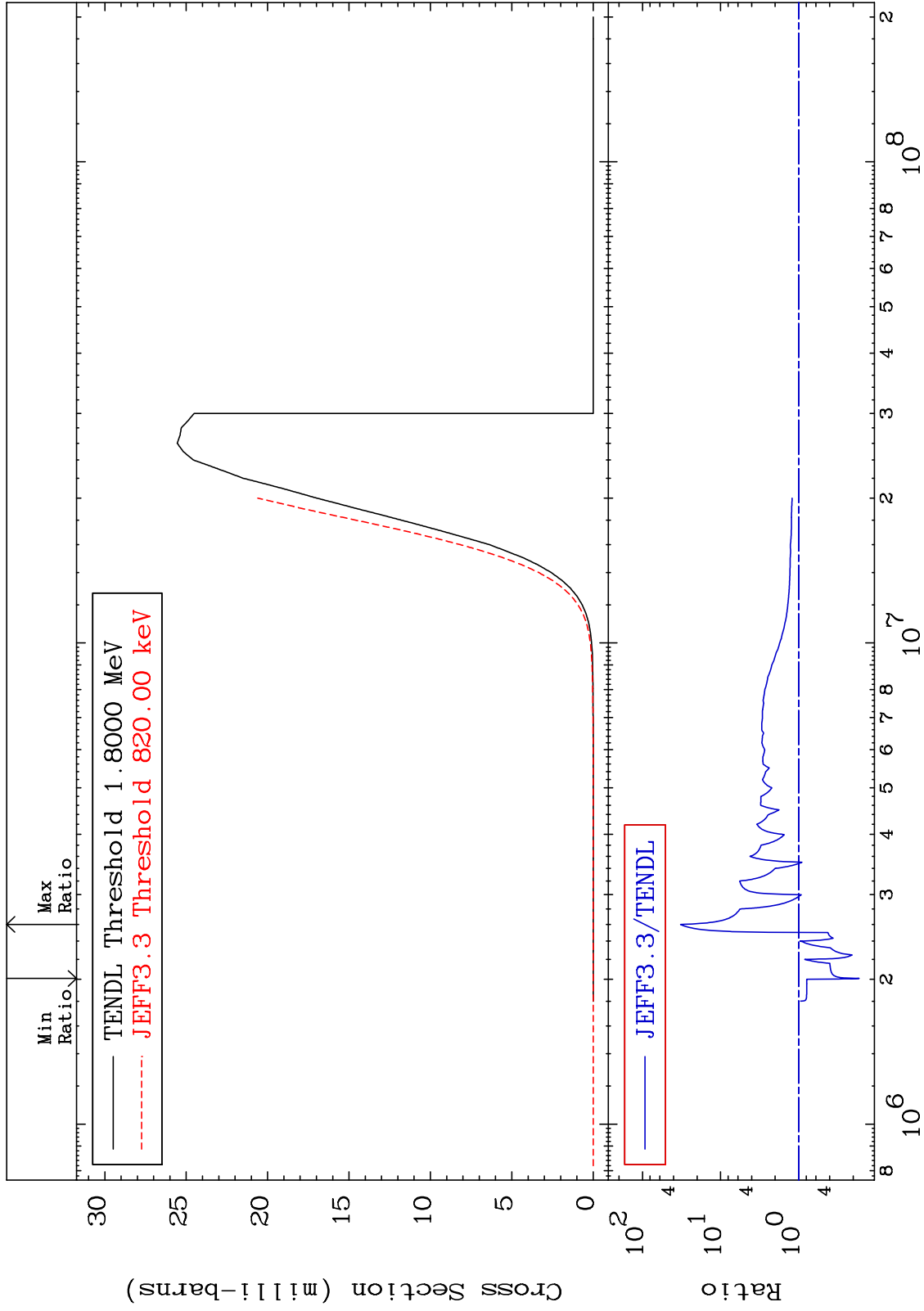
MAT 8231

(n, p)

82-Pb-206

Cross Section

-83.22 To 3151. %



Incident Energy (eV)

82-Pb-206

26

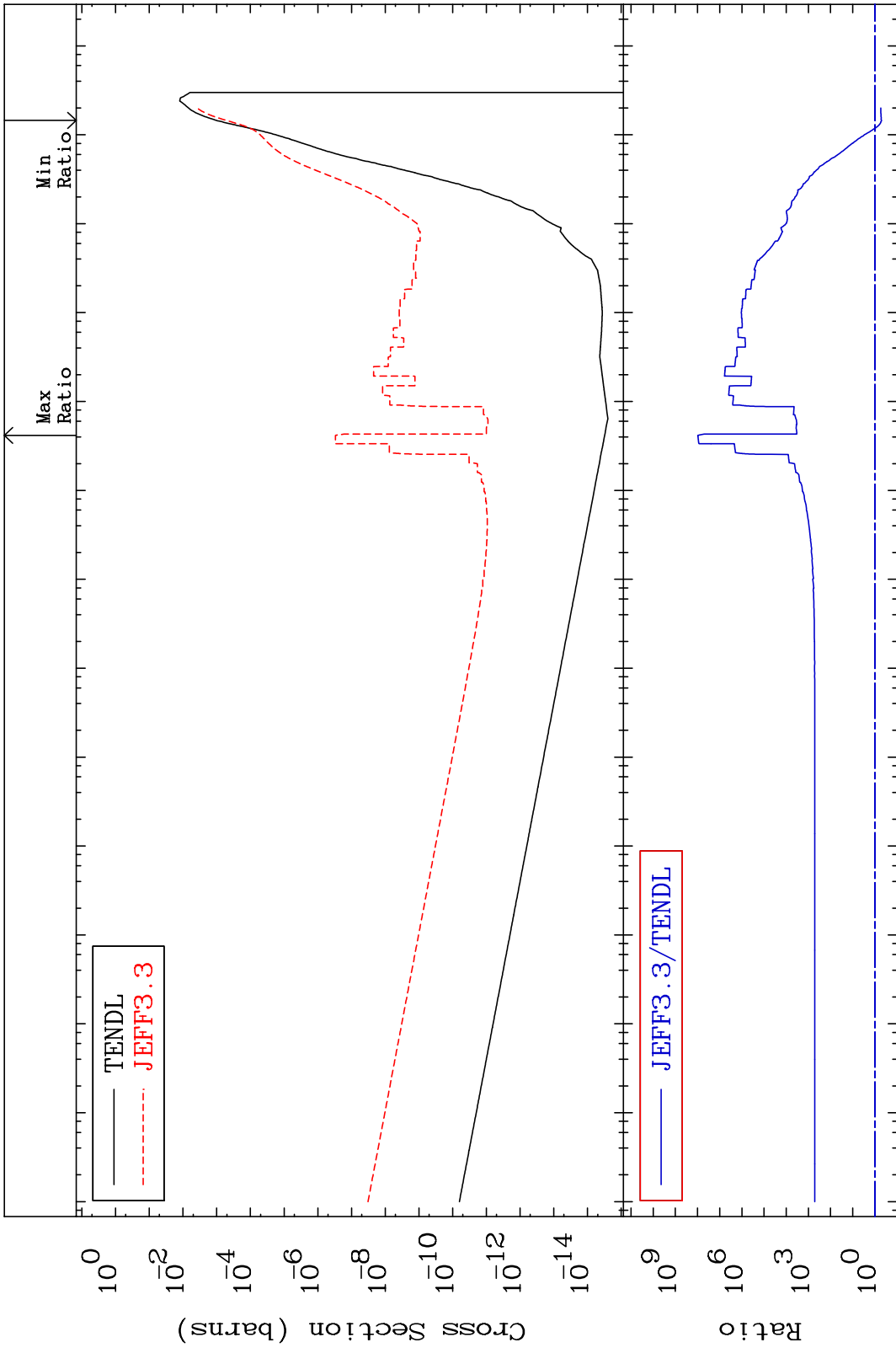
MAT 8231

(n, α)

82-Pb-206

Cross Section

-49.70 To 9999. %



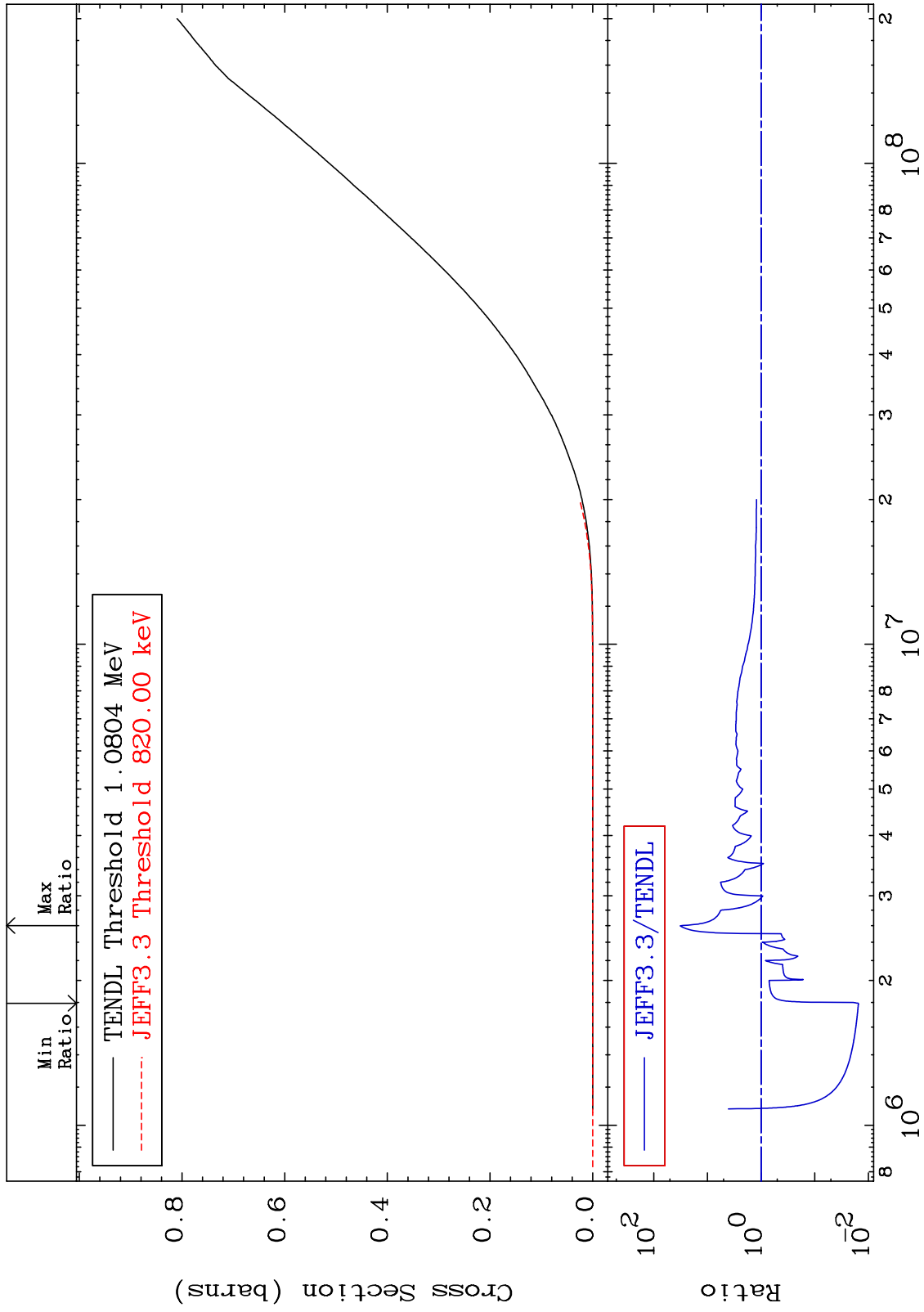
Incident Energy (eV)

82-Pb-206

MAT 8231

Hydrogen Production
Cross Section

82-Pb-206
-98.46 To 3151. %



28

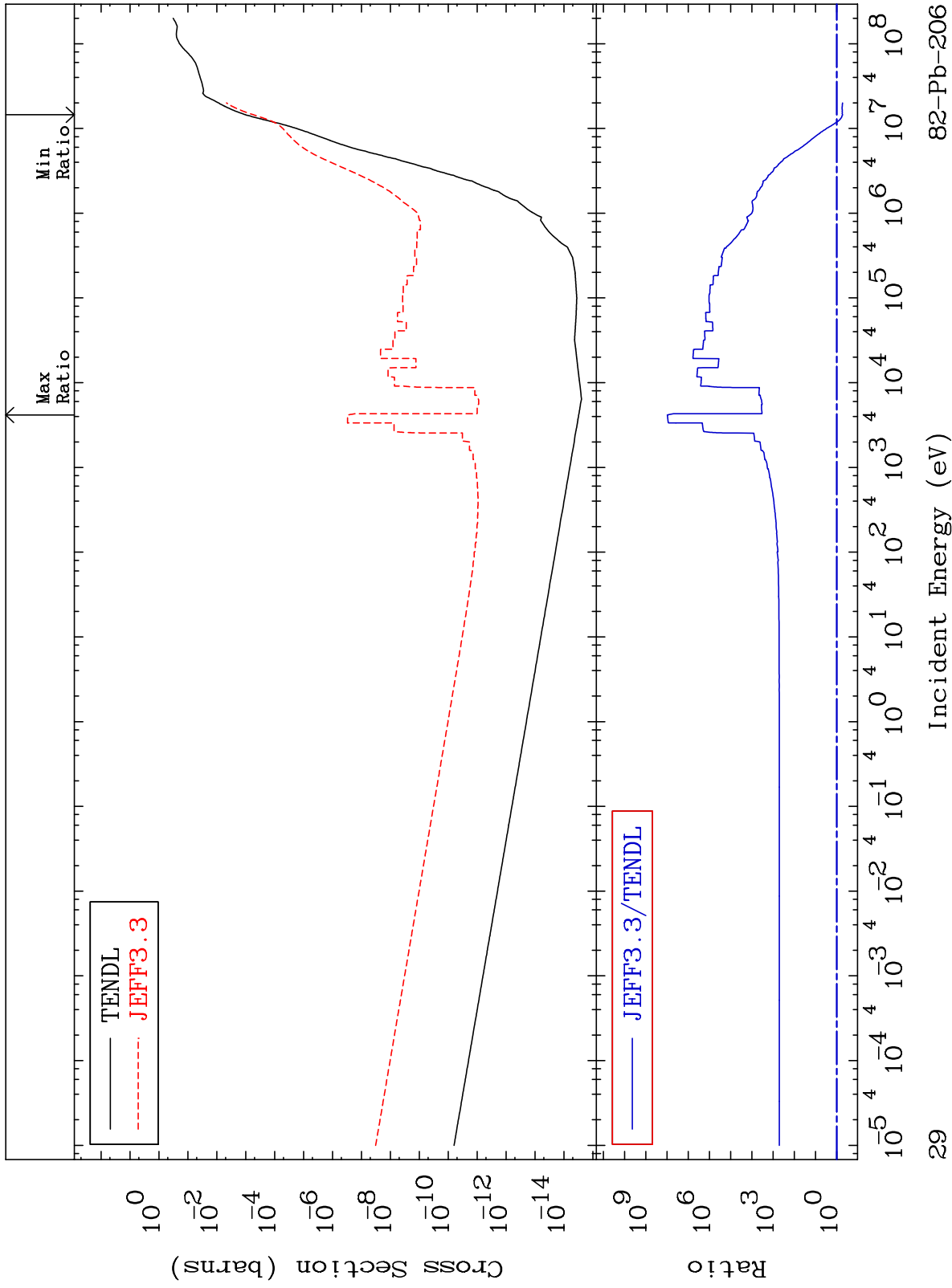
Incident Energy (eV)

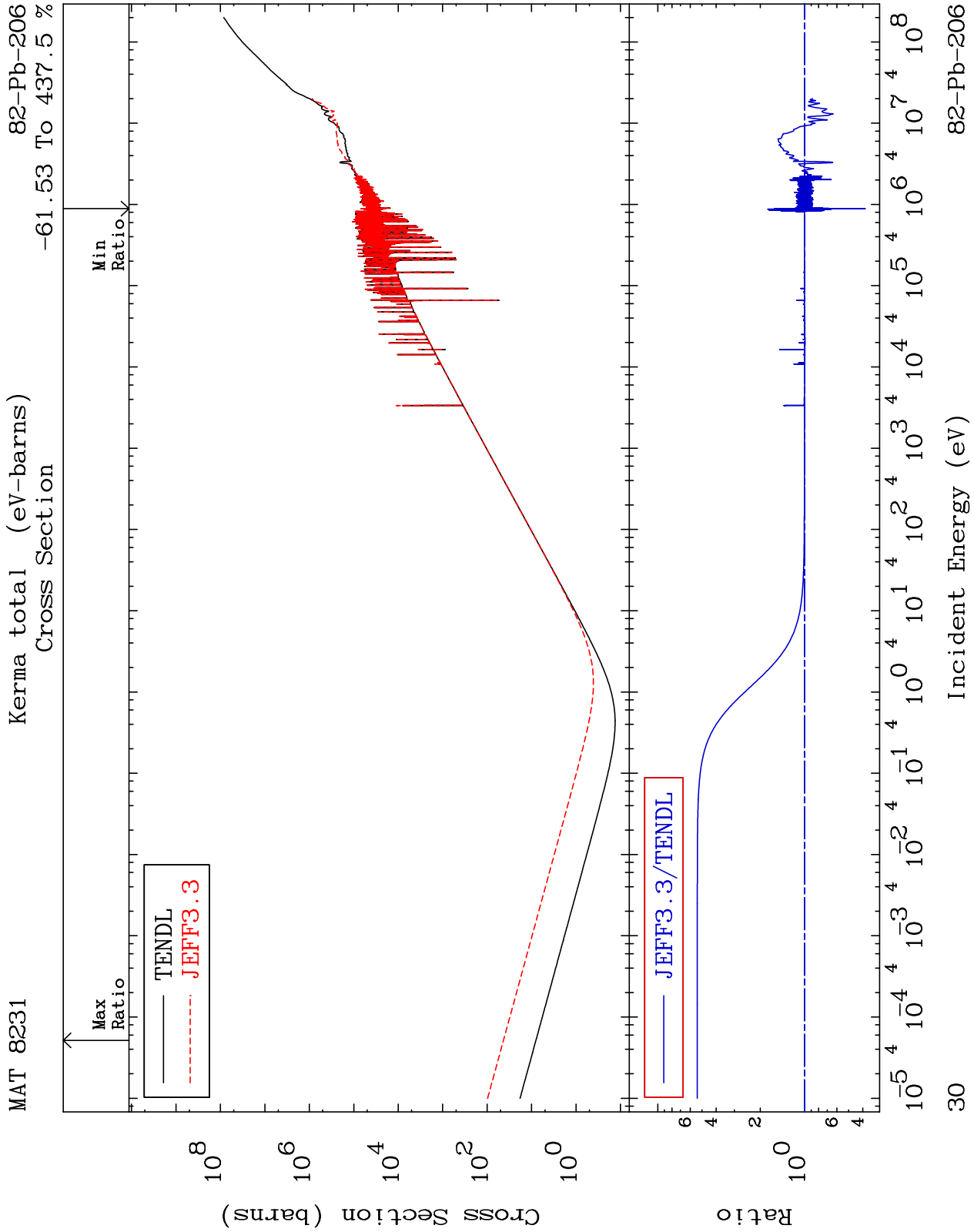
82-Pb-206

MAT 8231

He-4 Production
Cross Section

82-Pb-206
-46.86 To 9999. %

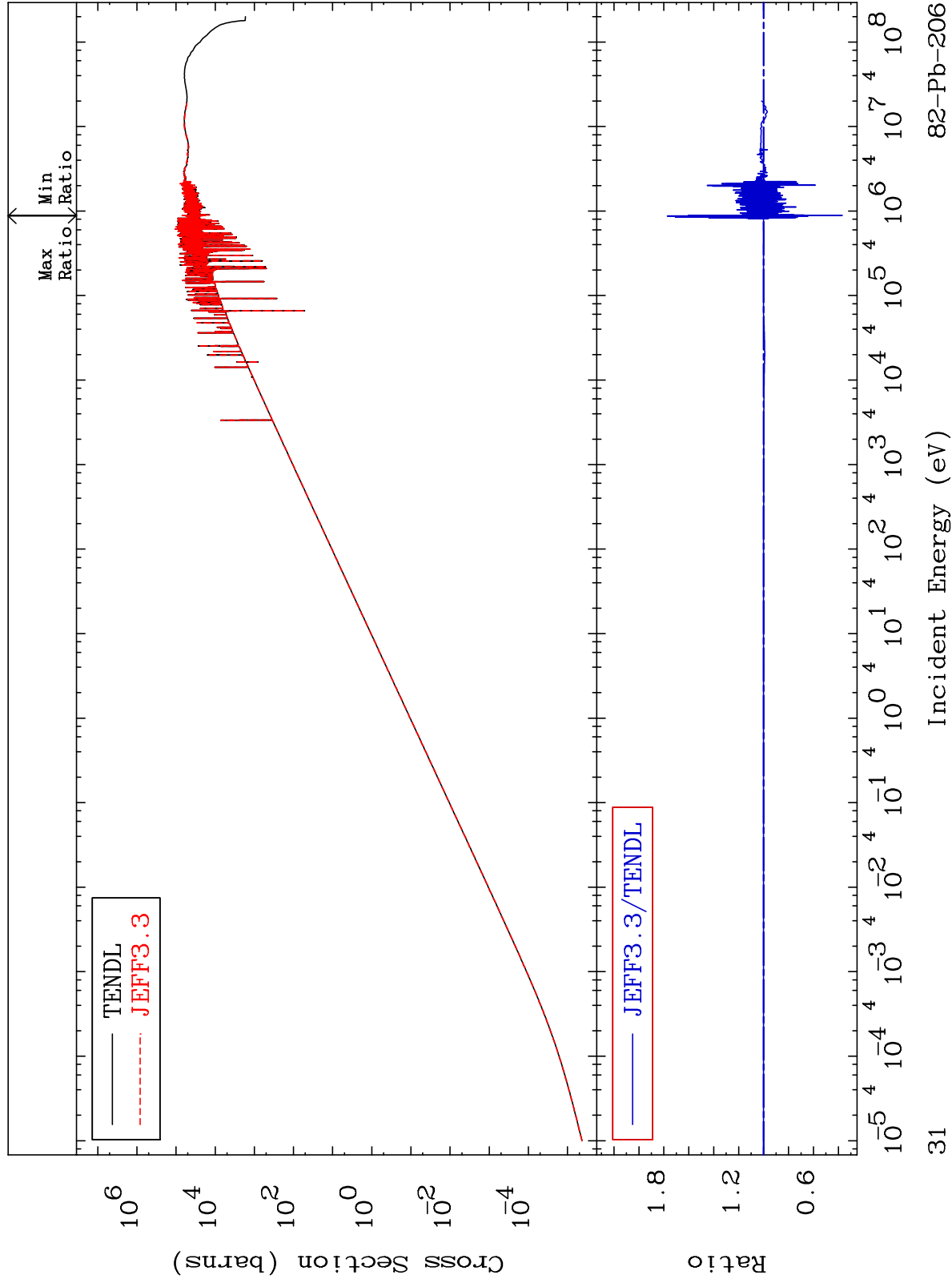




MAT 8231

Kerma elastic
Cross Section

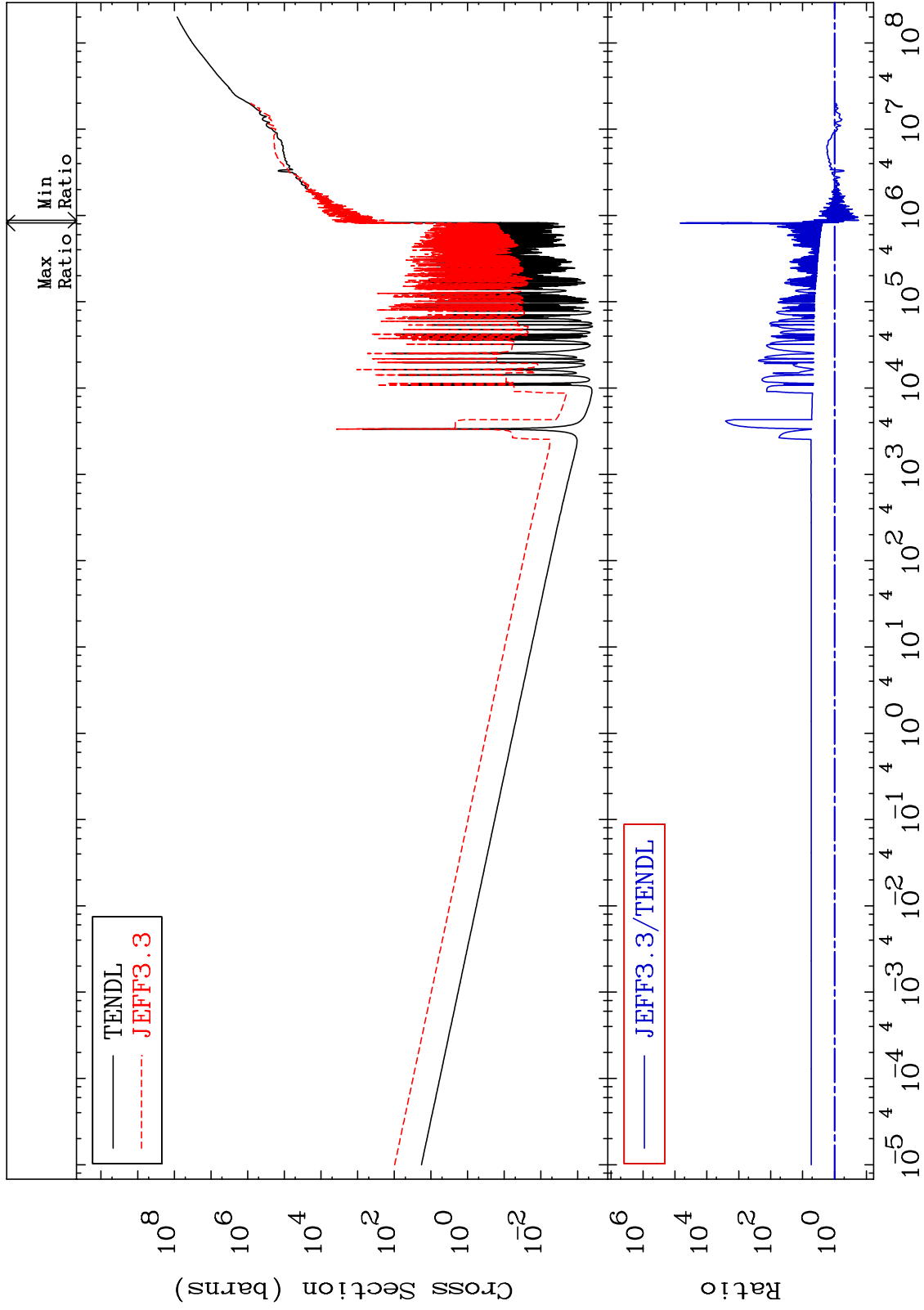
82-Pb-206
-62.99 To 77.10 %



MAT 8231

Kerma non-elastic (all but mt2)
Cross Section

82-Pb-206
-82.20 To 9999. %



32

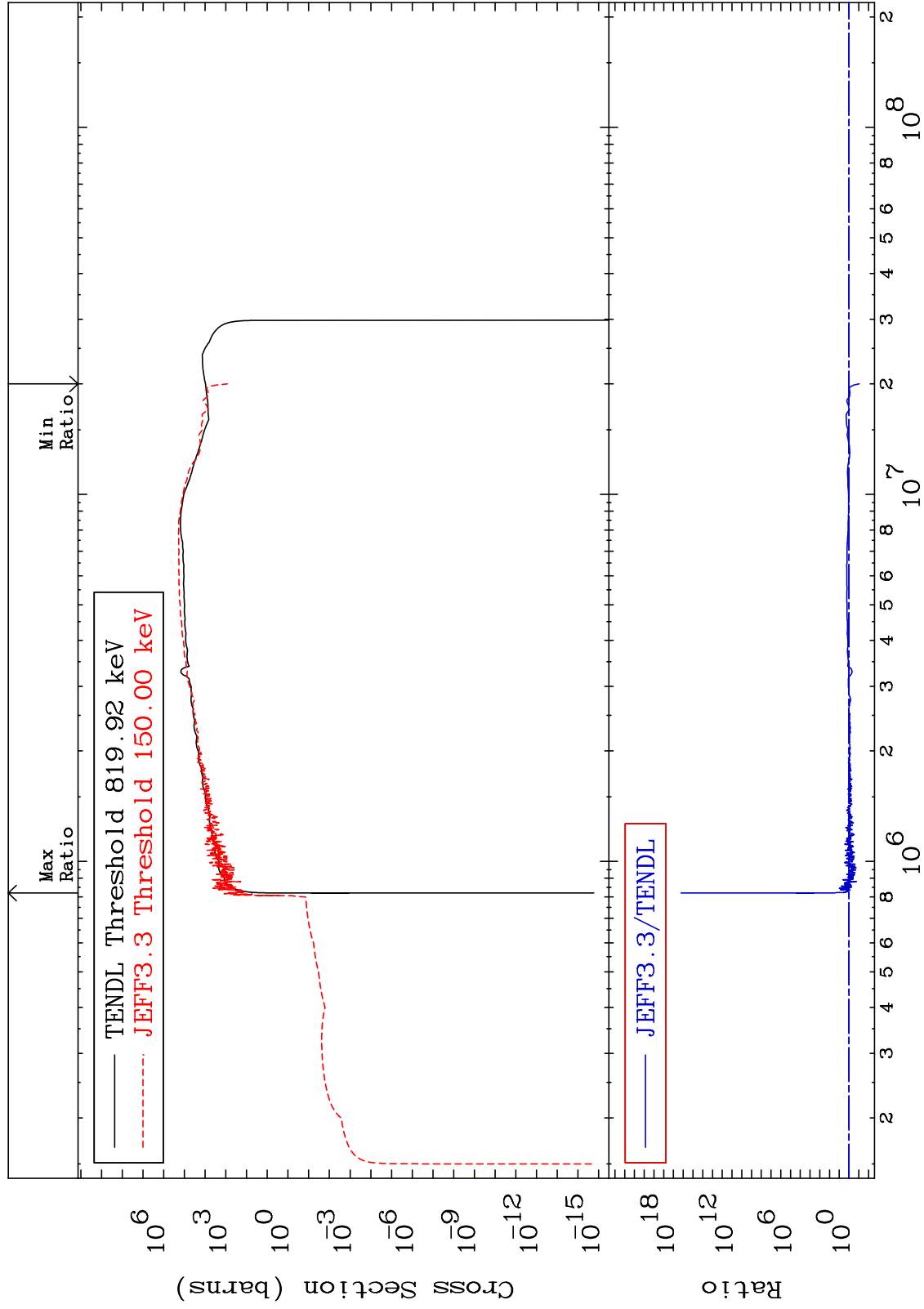
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma inelastic (mt51-91)
Cross Section

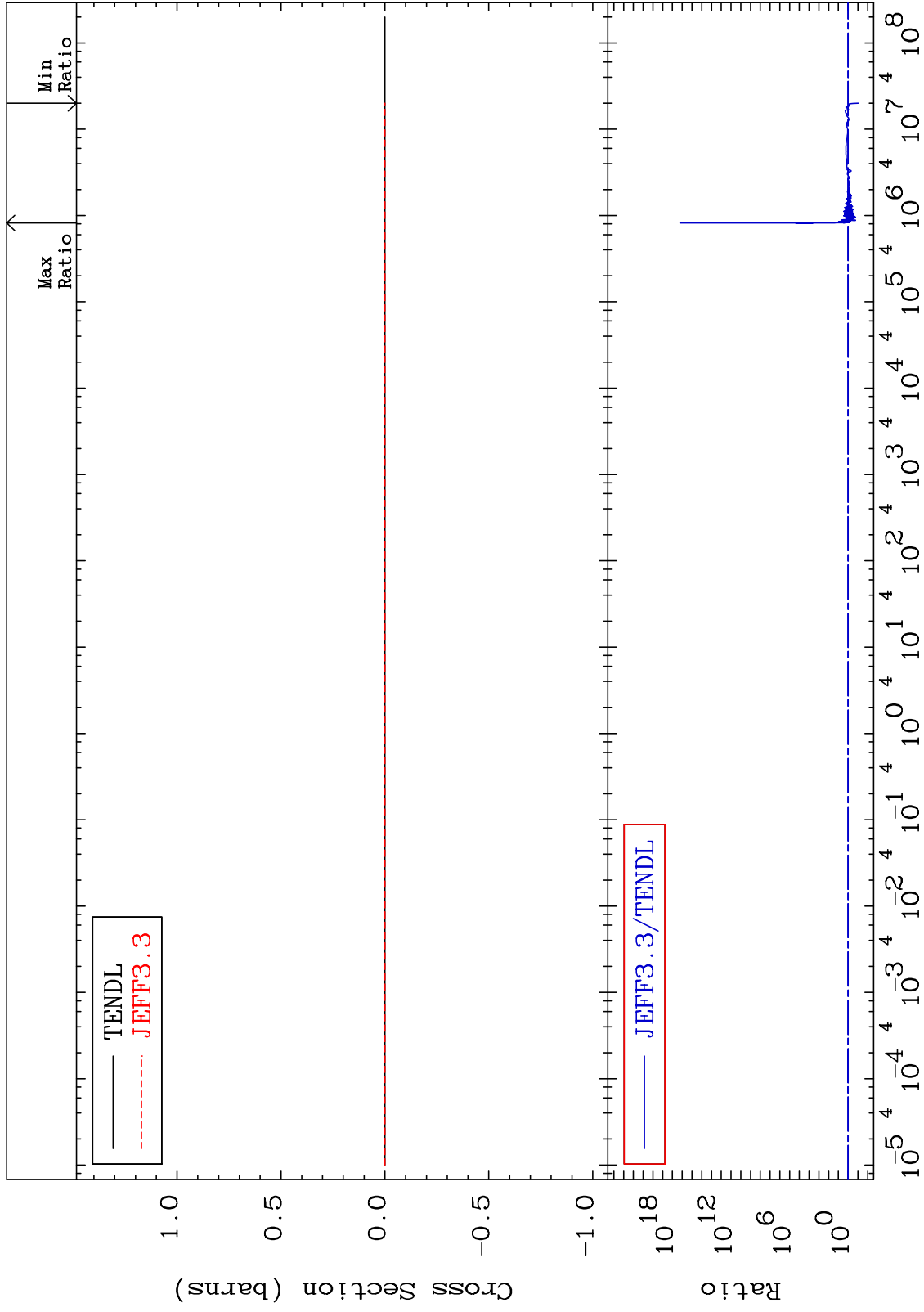
82-Pb-206
-91.11 To 9999. %



MAT 8231

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

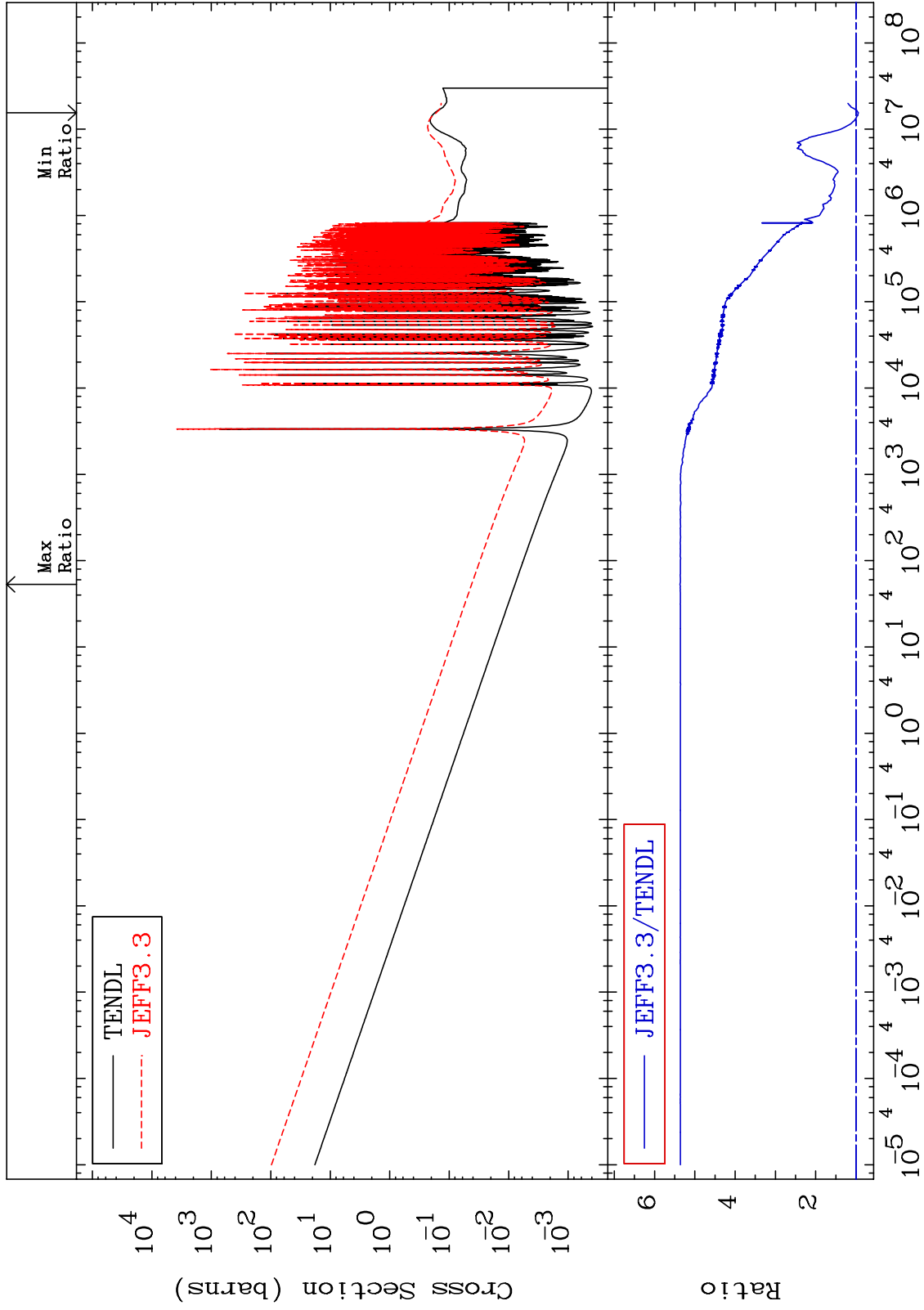
82-Pb-206
-91.11 To 9999. %



MAT 8231

Kerma capture (mt102)
Cross Section

82-Pb-206
-6.059 To 436.8 %



35

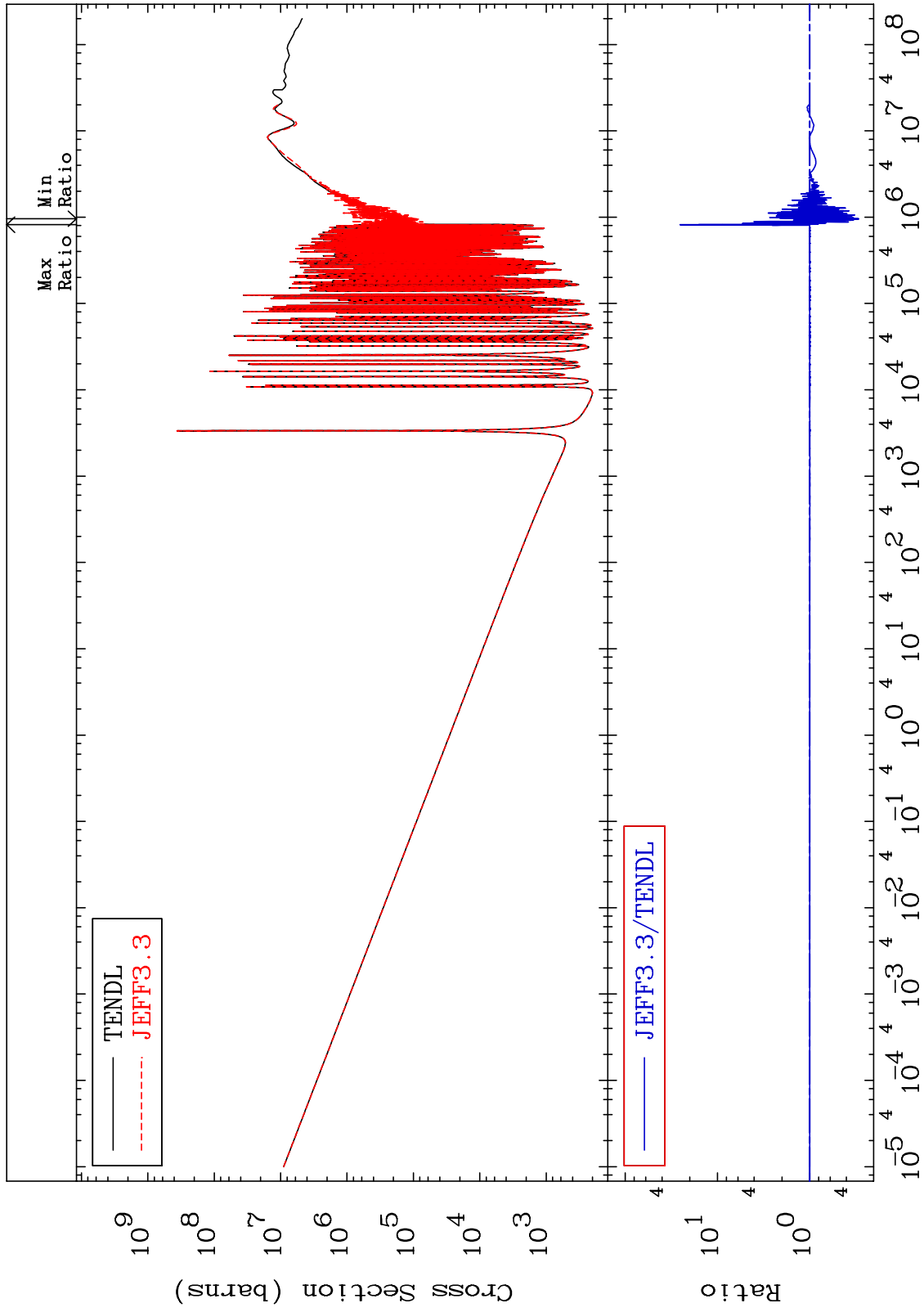
Incident Energy (eV)

82-Pb-206

MAT 8231

Total photon (eV-barns)
Cross Section

82-Pb-206
-70.34 To 2450. %



36

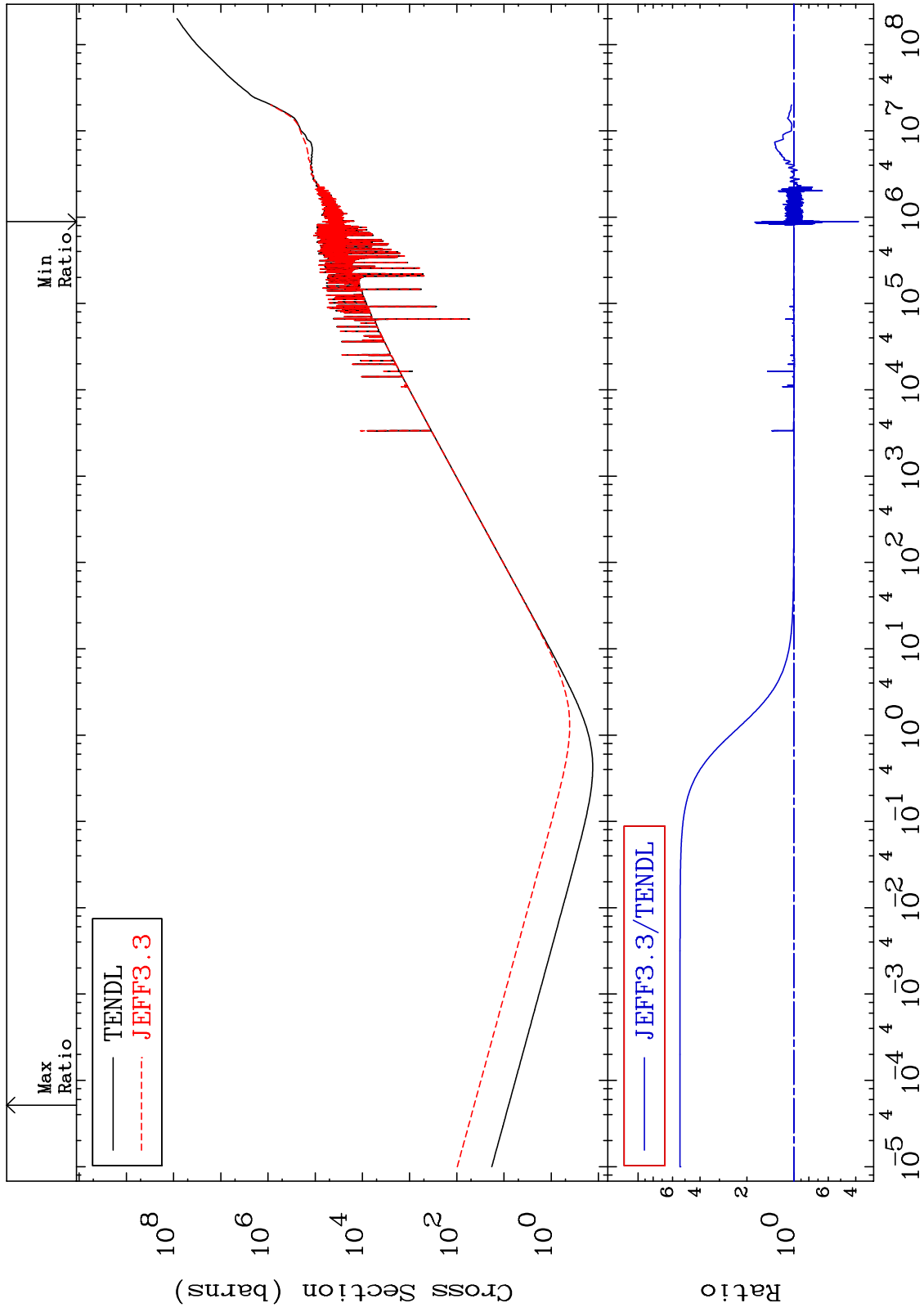
Incident Energy (eV)

82-Pb-206

MAT 8231

Total kinematic kerma (high limit)
Cross Section

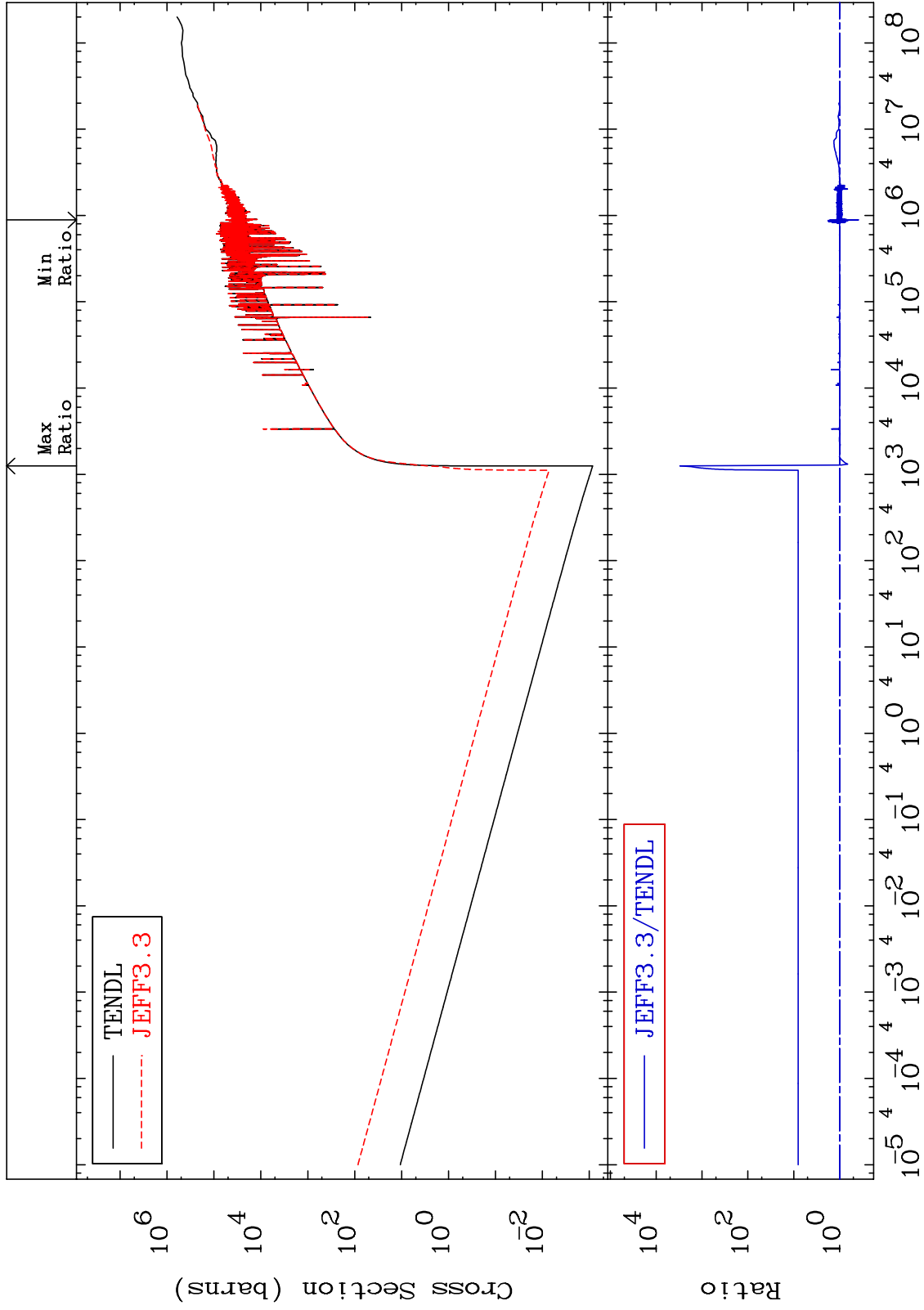
82-Pb-206
-61.53 To 437.5 %



MAT 8231

Dpa total (eV-barns)
Cross Section

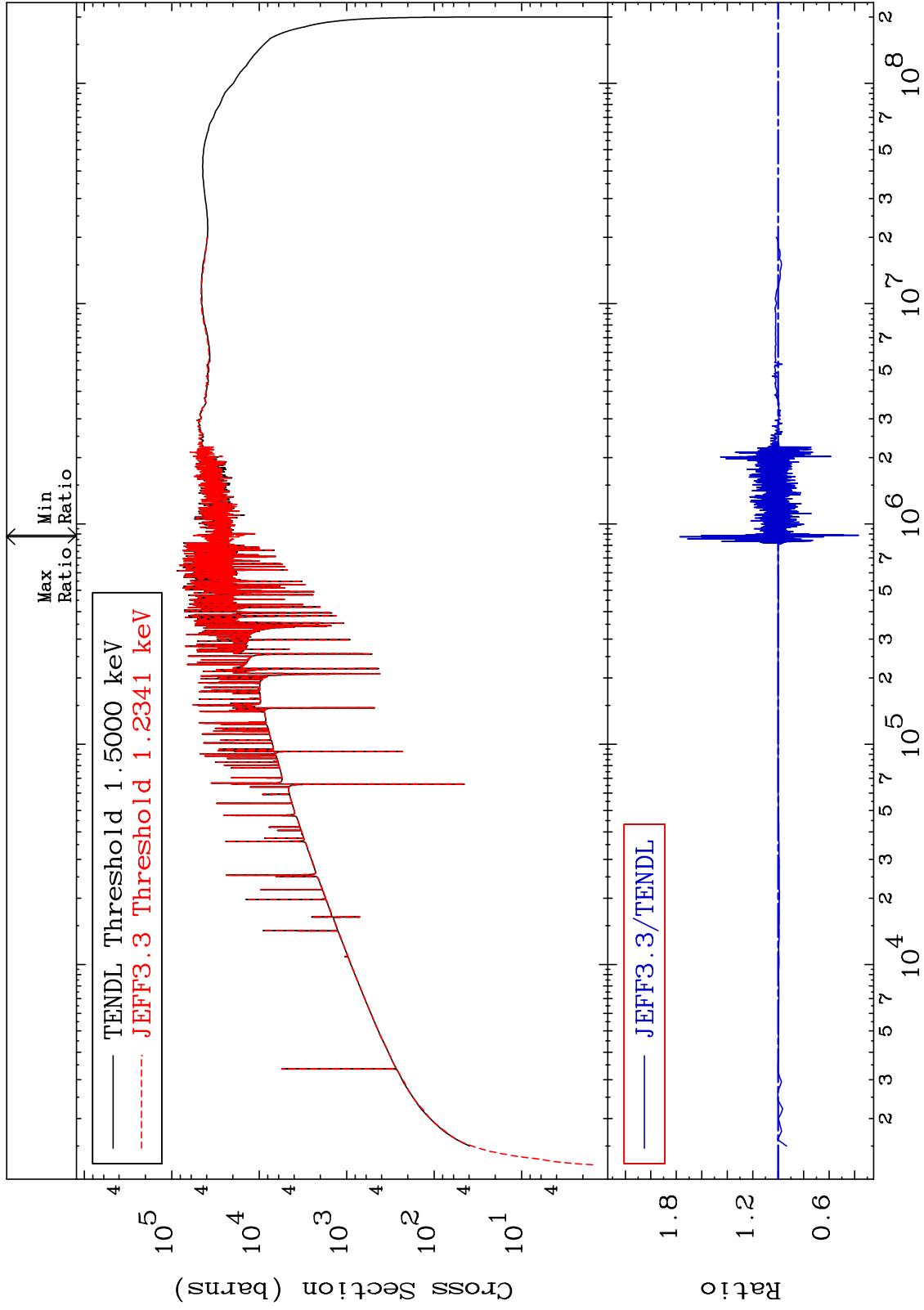
82-Pb-206
-61.34 To 9999. %



MAT 8231

Dpa elastic (mt2)
Cross Section

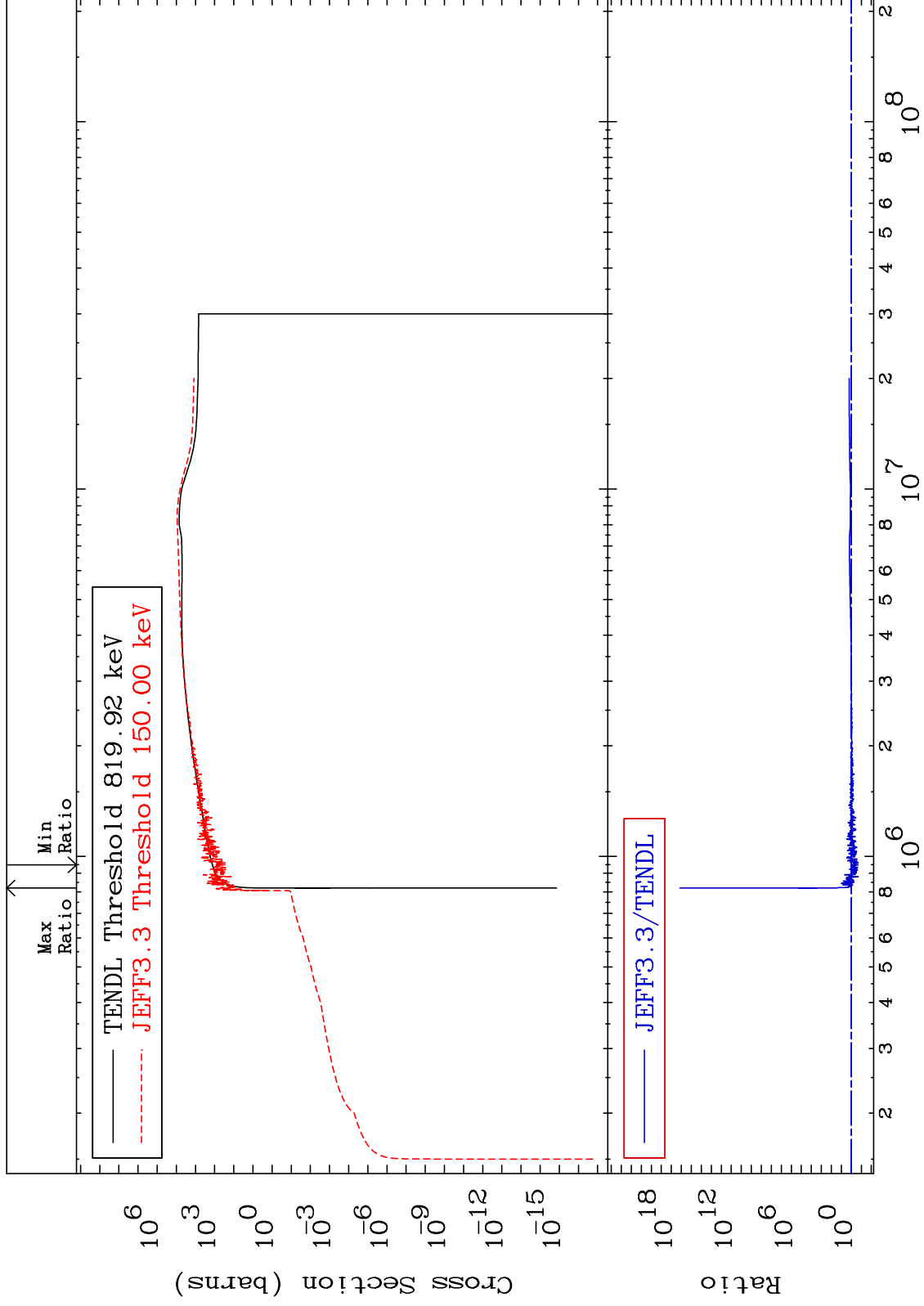
82-Pb-206
-62.99 To 77.08 %



MAT 8231

Dpa inelastic (mt51-91)
Cross Section

82-Pb-206
-80.39 To 9999. %



40

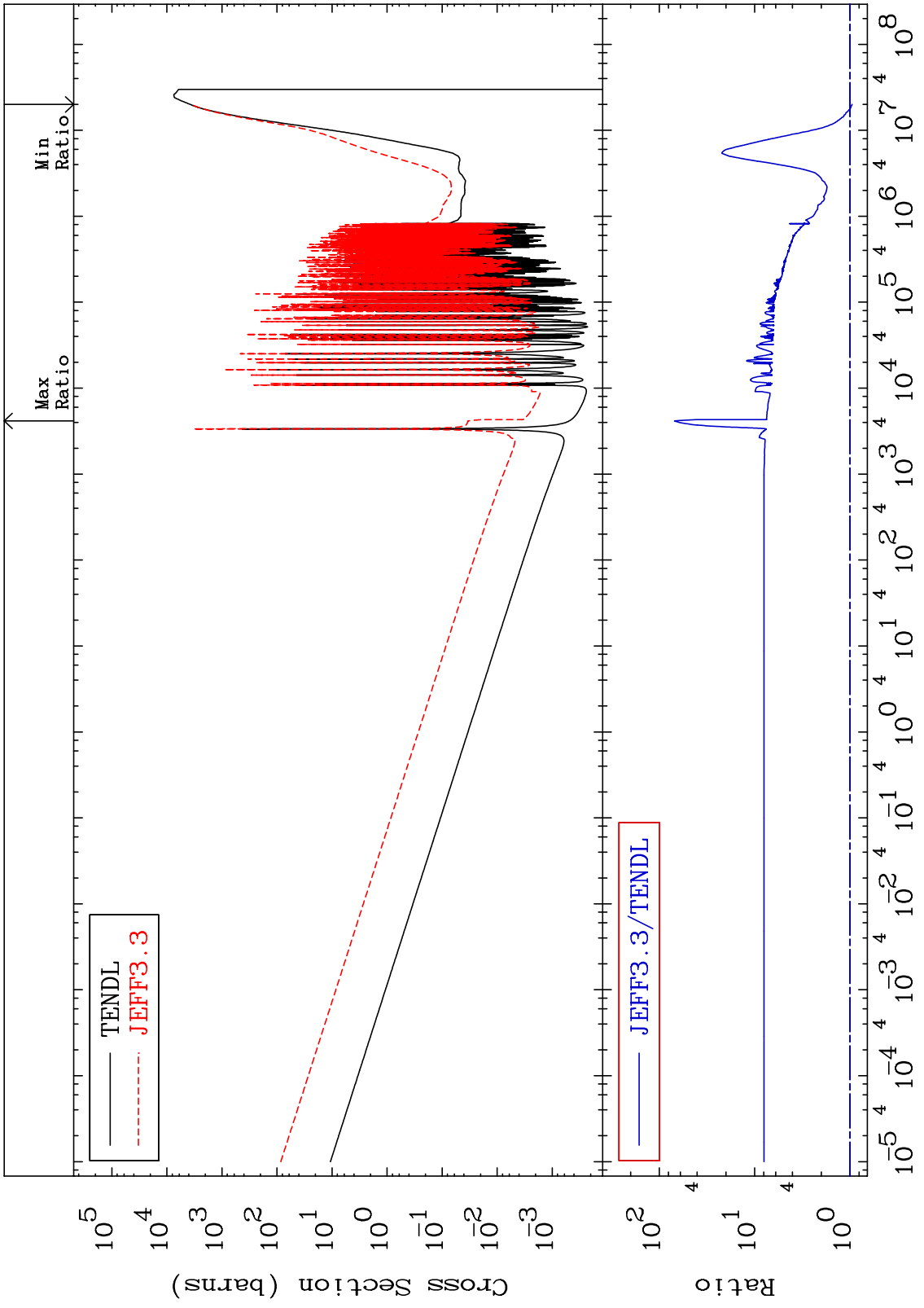
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-206
-5.382 To 6805. %



41

Incident Energy (eV)

82-Pb-206

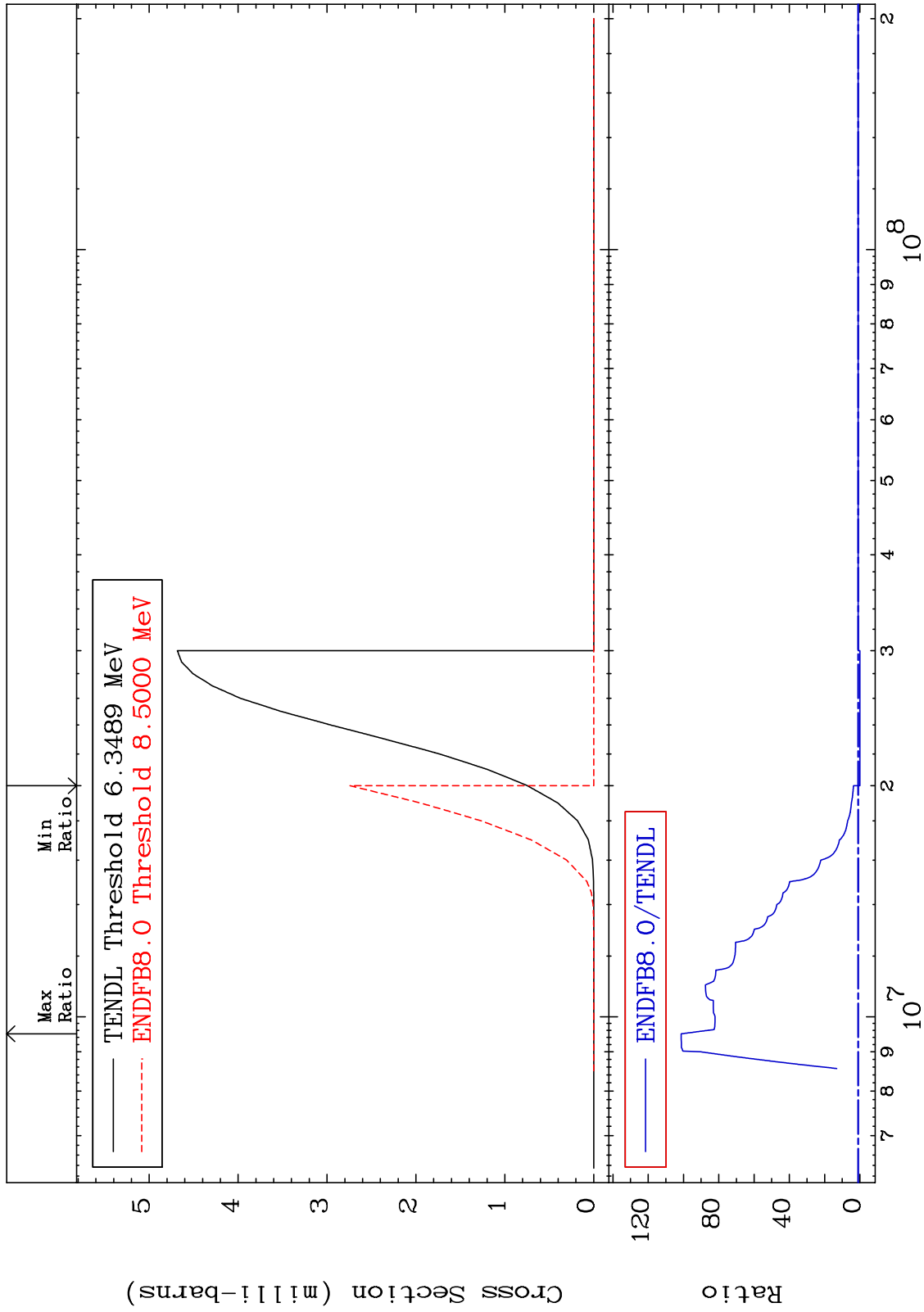
MAT 8231

(n, t)

82-Pb-206

Cross Section

-100.0 To 9999. %



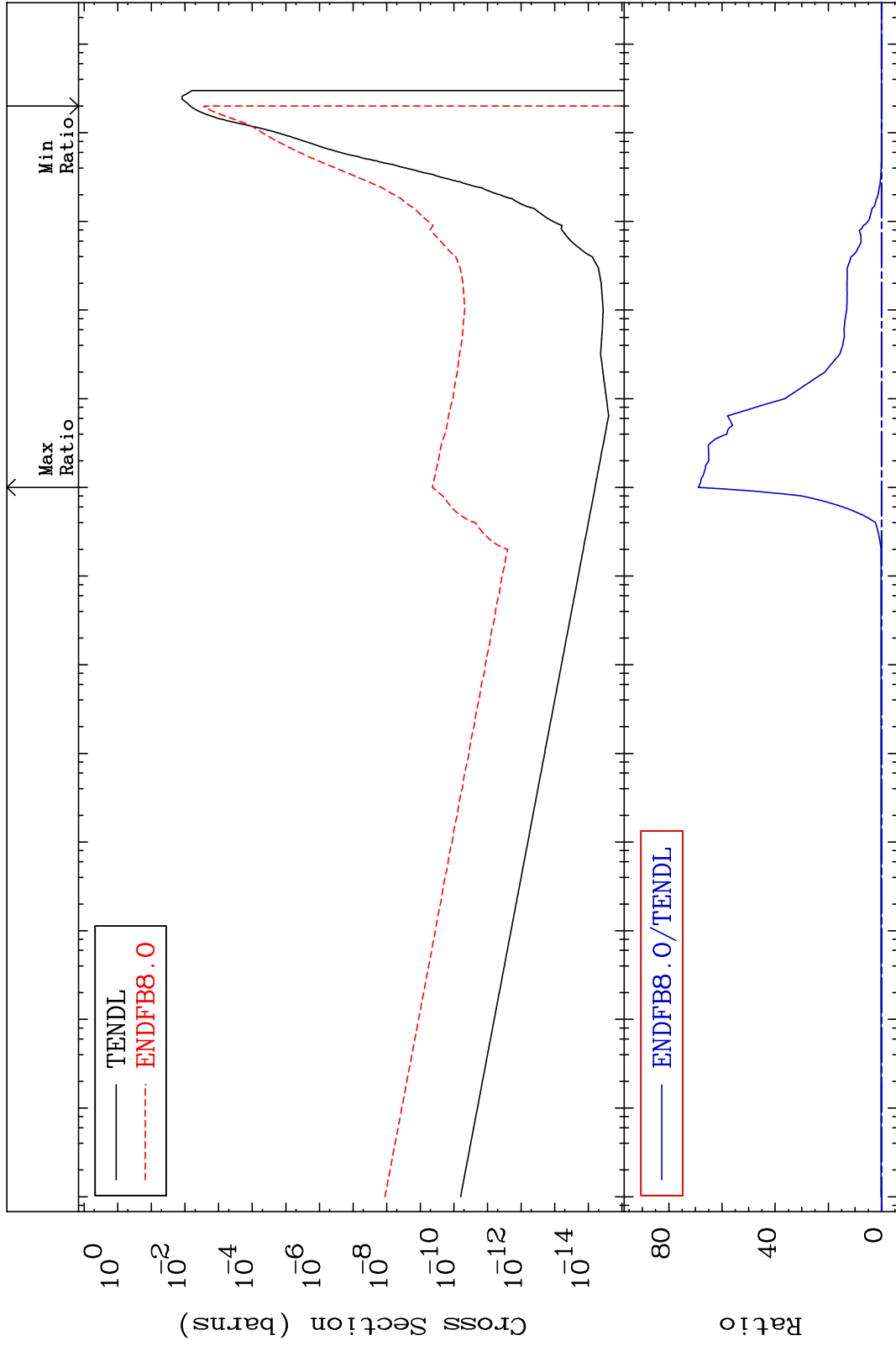
MAT 8231

(n, α)

82-Pb-206

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

82-Pb-206

43

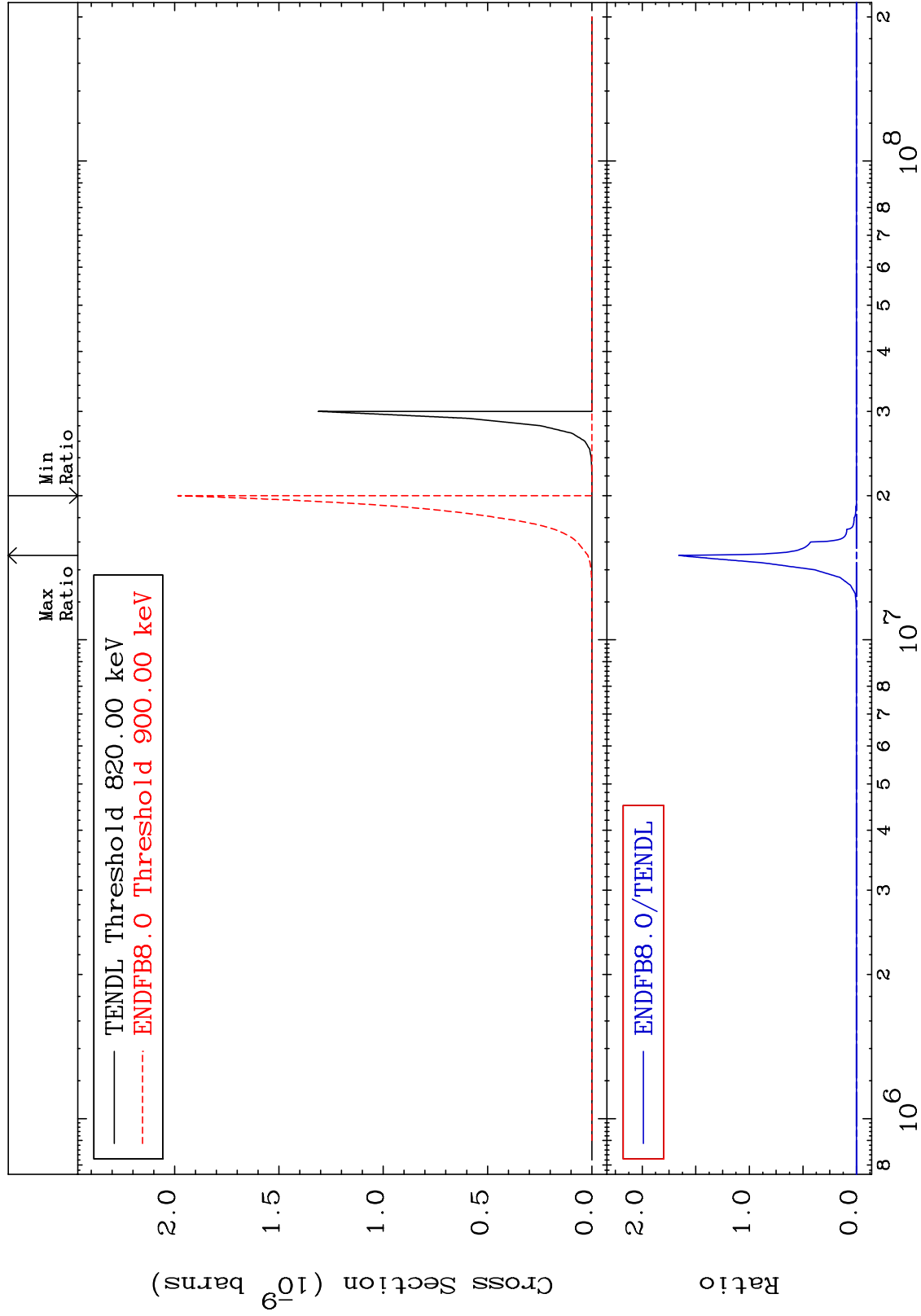
MAT 8231

(n, 2α)

82-Pb-206

Cross Section

-100.0 To 9999. %



44

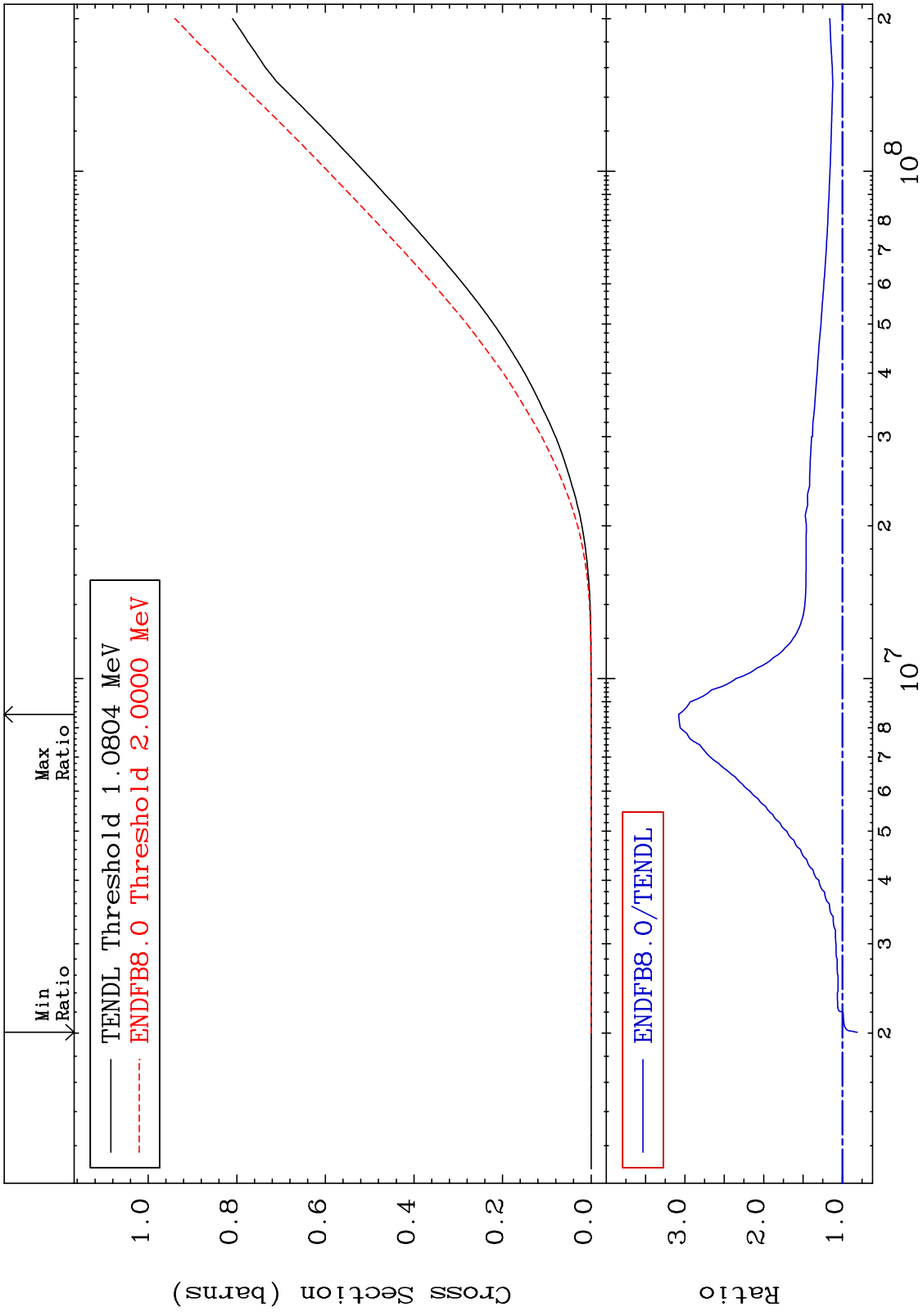
Incident Energy (eV)

82-Pb-206

MAT 8231

Hydrogen Production
Cross Section

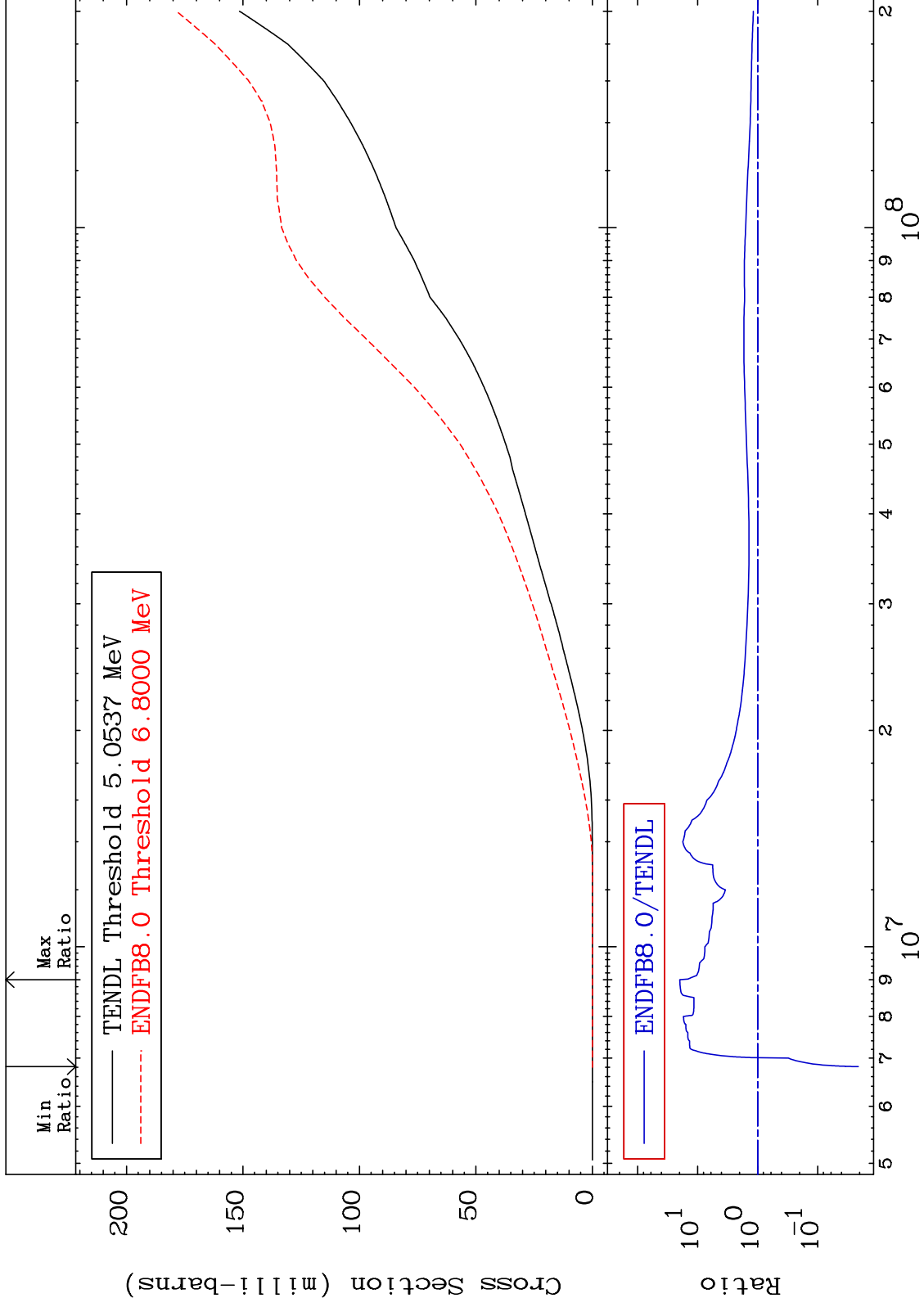
82-Pb-206
-18.88 To 208.0 %



MAT 8231

Deuterium Production
Cross Section

82-Pb-206
-97.90 To 1881. %



46

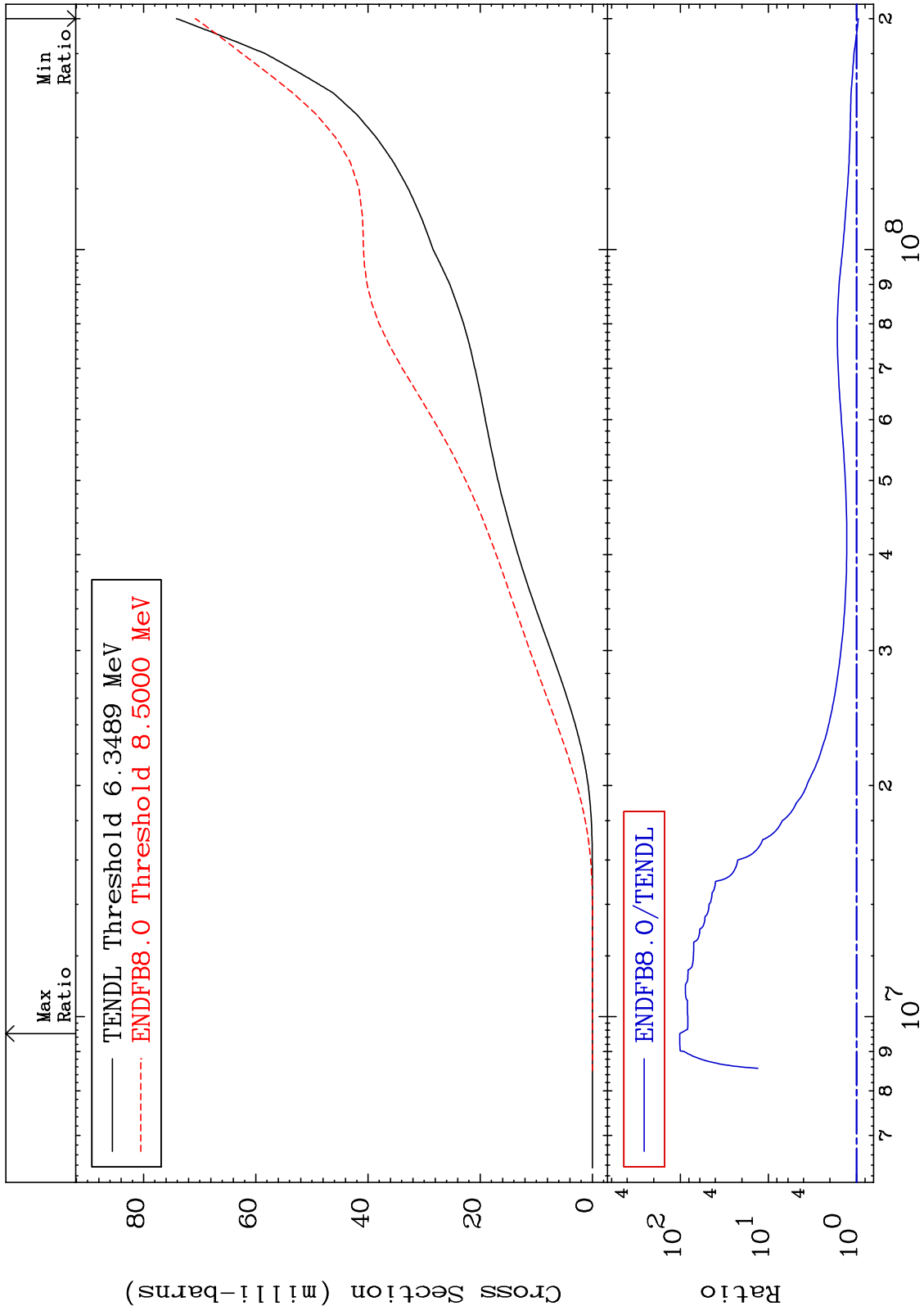
Incident Energy (eV)

82-Pb-206

MAT 8231

Tritium Production
Cross Section

82-Pb-206
-4.584 To 9999. %



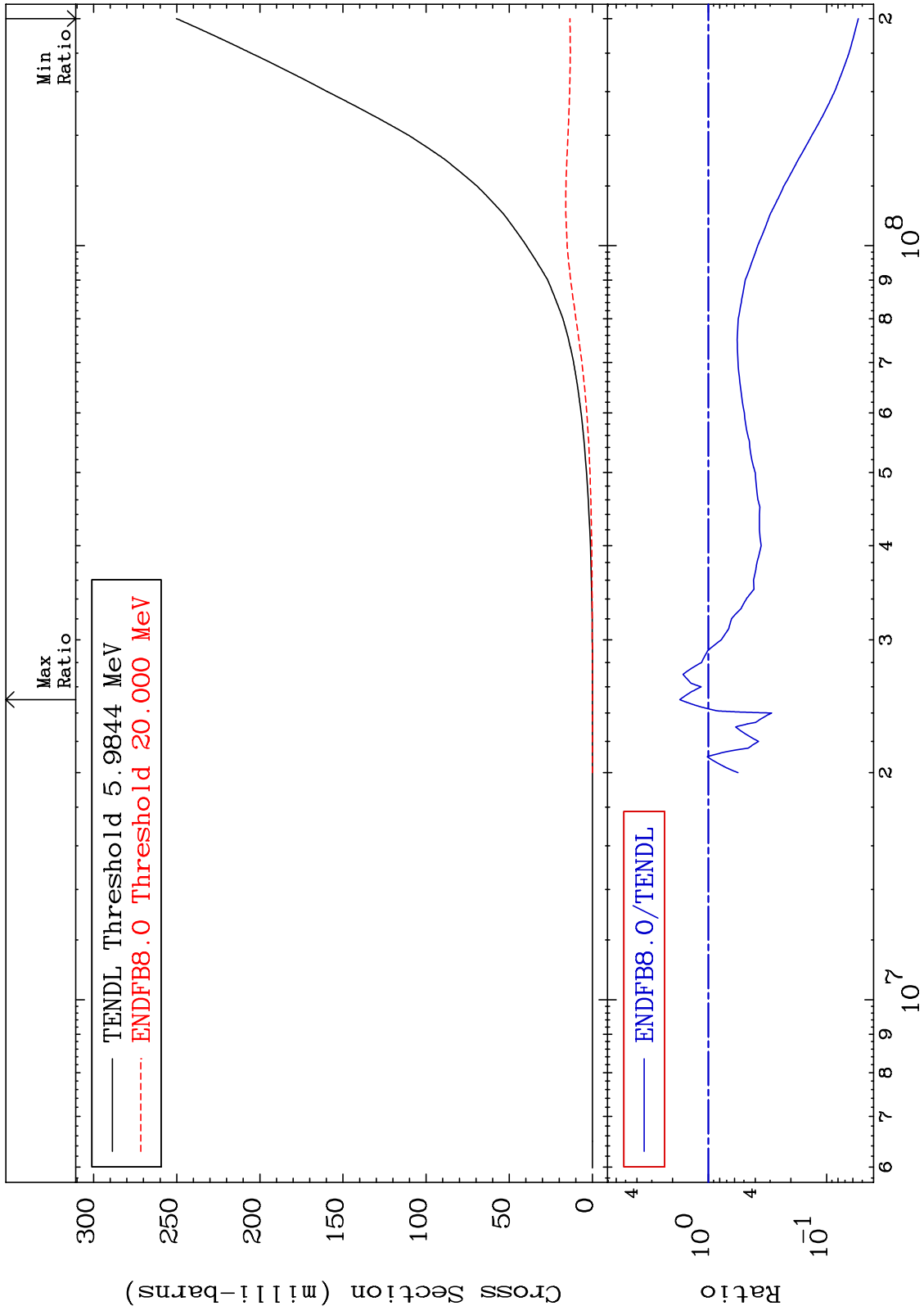
47

82-Pb-206

MAT 8231

He-3 Production
Cross Section

82-Pb-206
-94.61 To 73.87 %



48

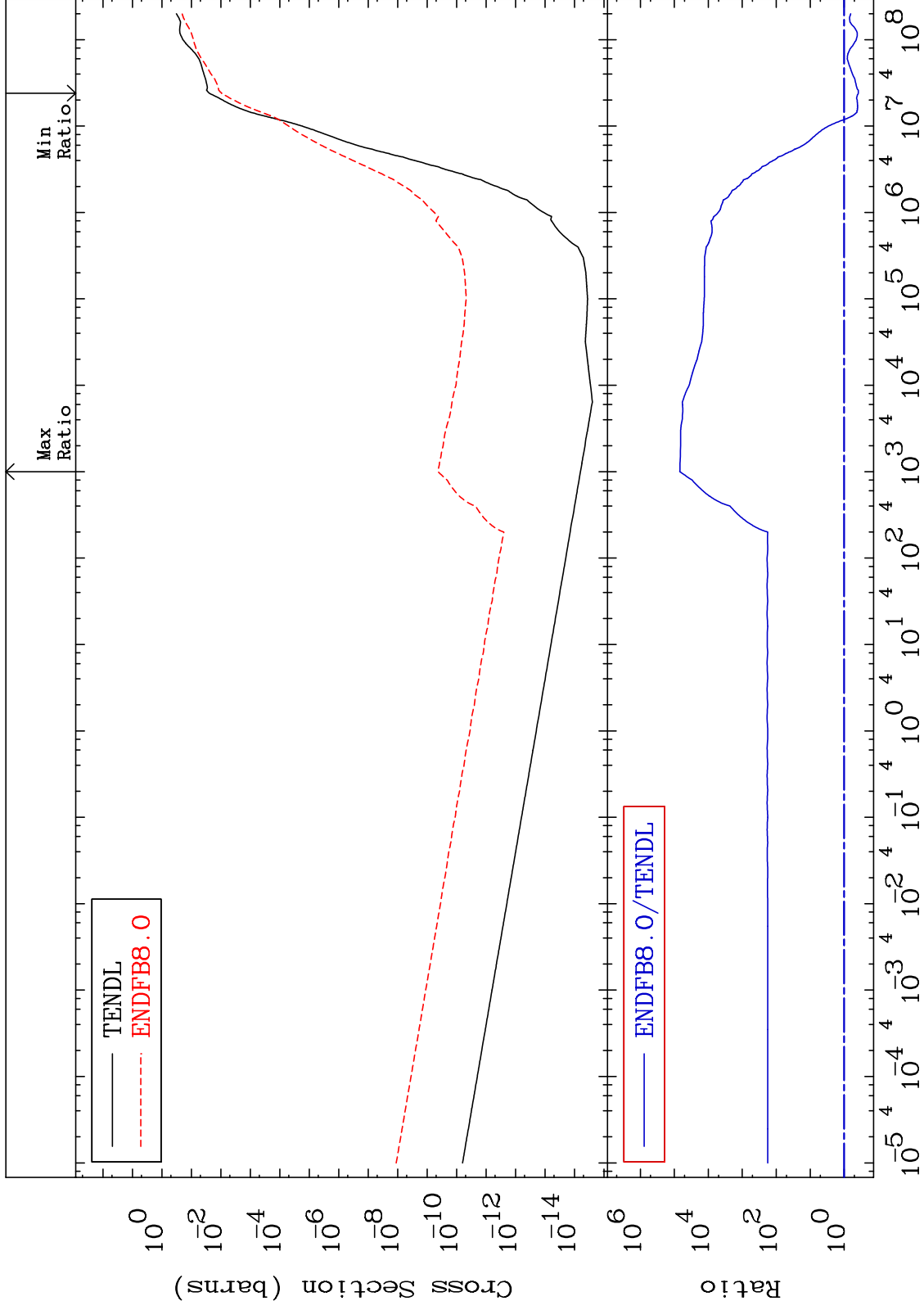
Incident Energy (eV)

82-Pb-206

MAT 8231

He-4 Production
Cross Section

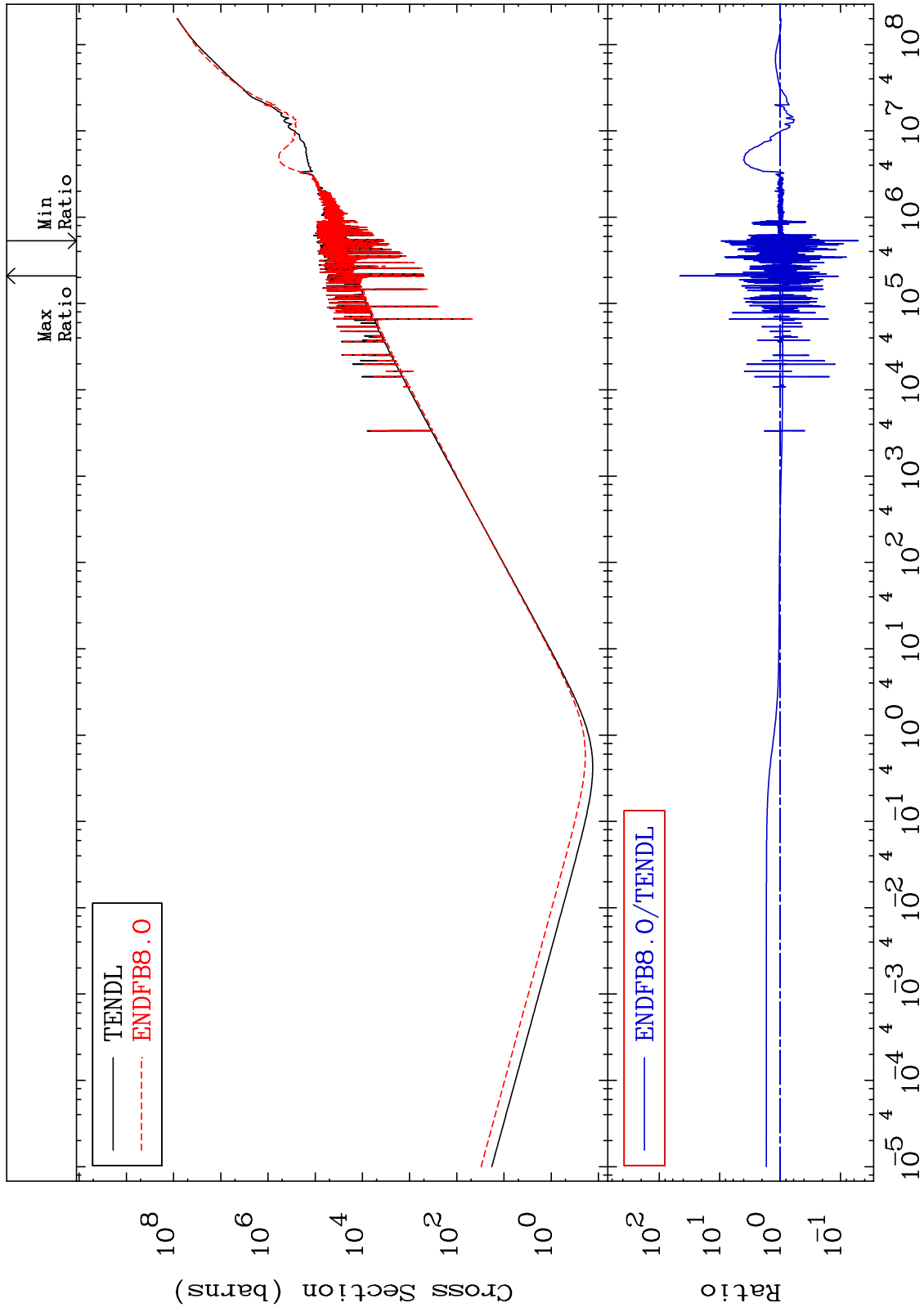
82-Pb-206
-61.76 To 9999. %



MAT 8231

Kerma total (eV-barns)
Cross Section

82-Pb-206
-94.94 To 4431. %



50

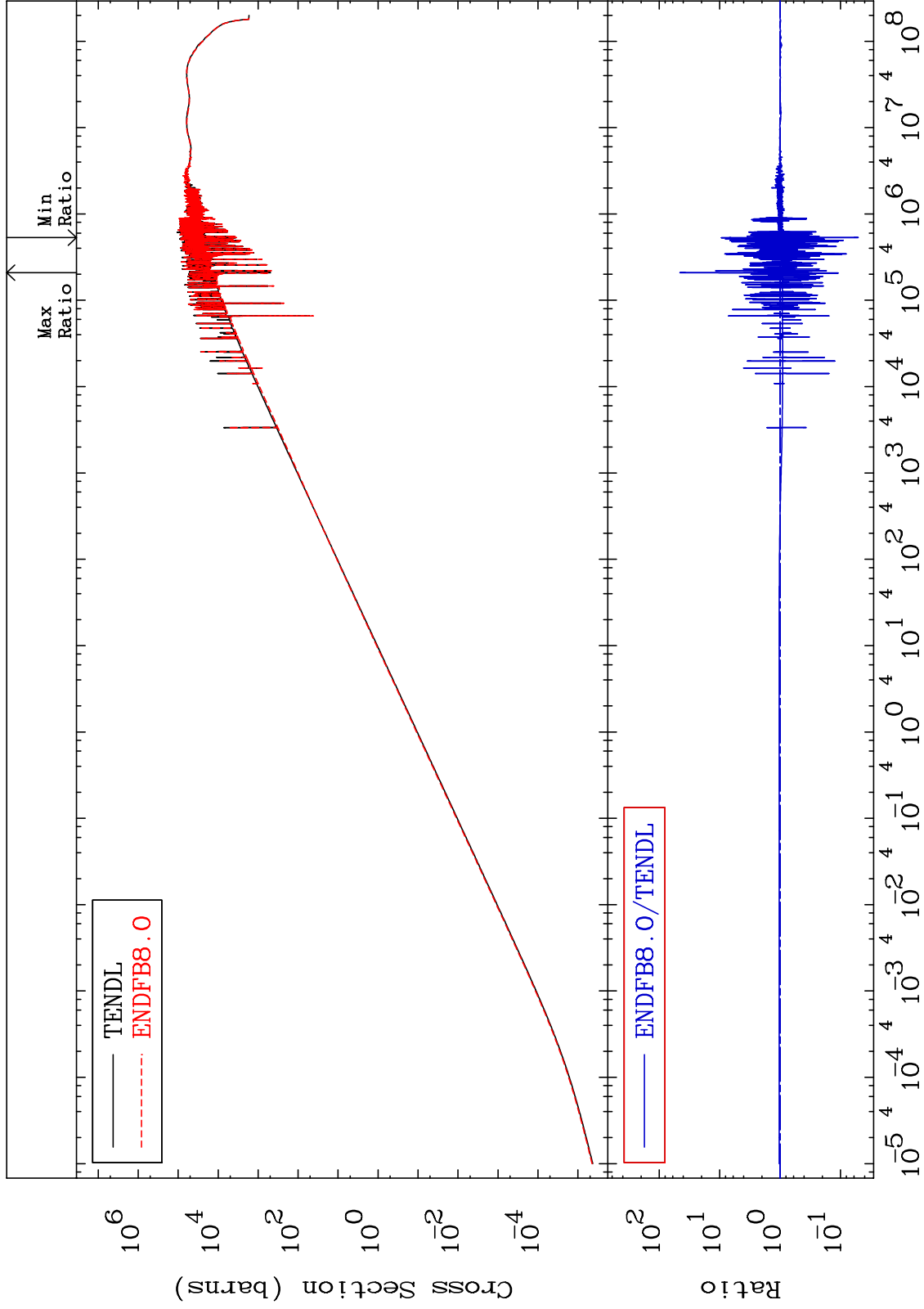
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma elastic
Cross Section

82-Pb-206
-94.94 To 4431. %



51

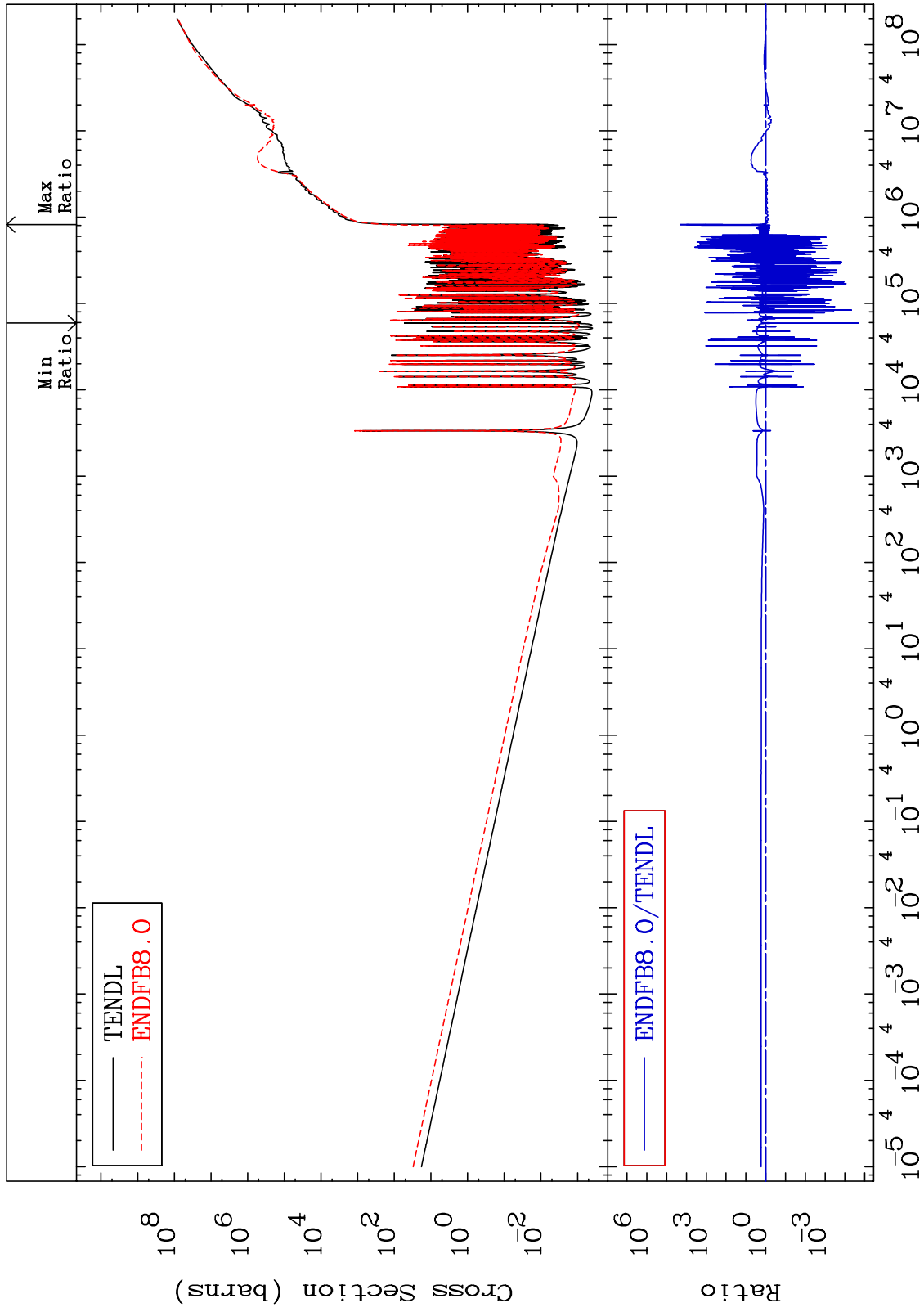
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma non-elastic (all but mt2)
Cross Section

82-Pb-206
-100.0 To 9999. %



52

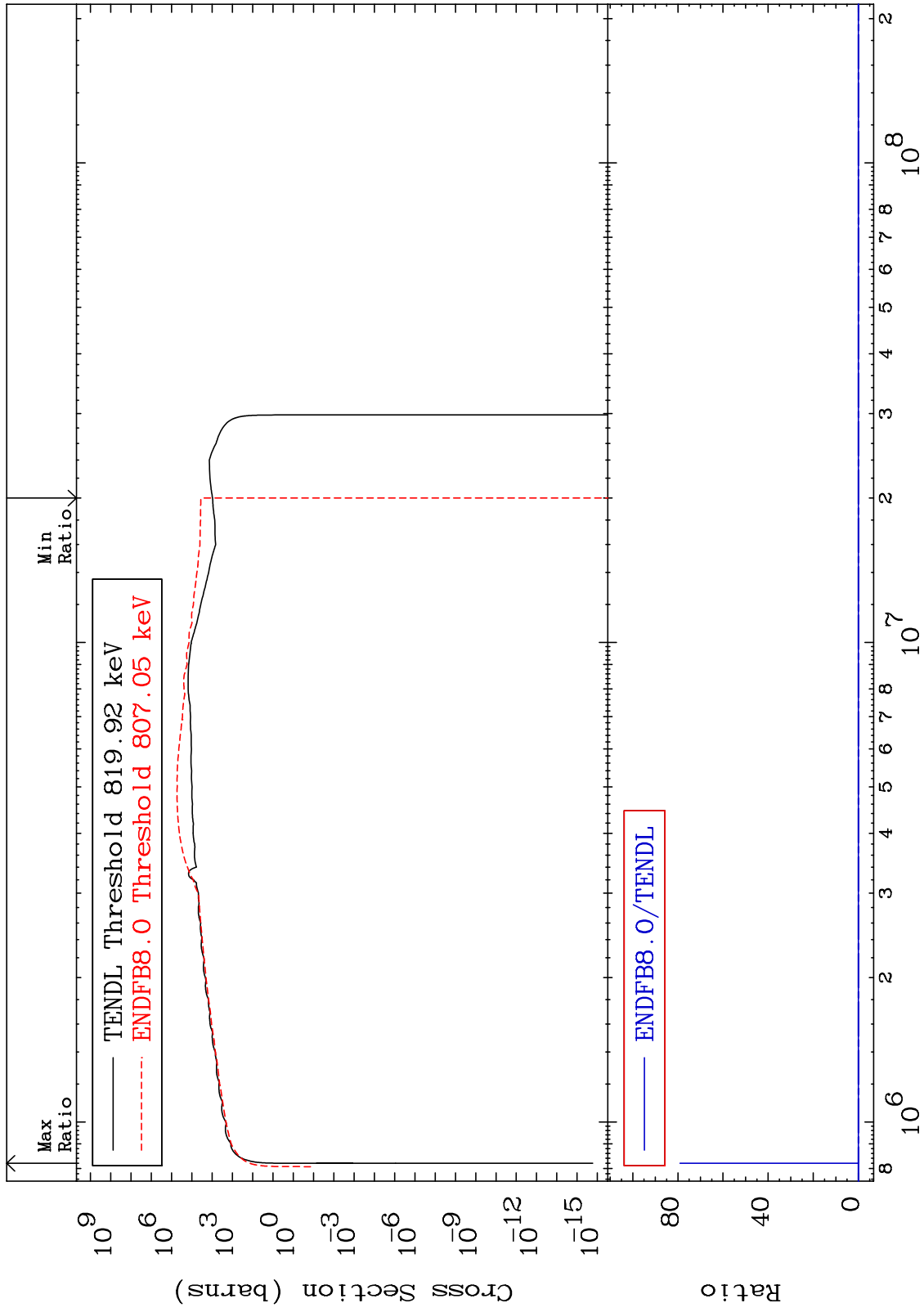
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma inelastic (mt51-91)
Cross Section

82-Pb-206
-100.0 To 9999. %



53

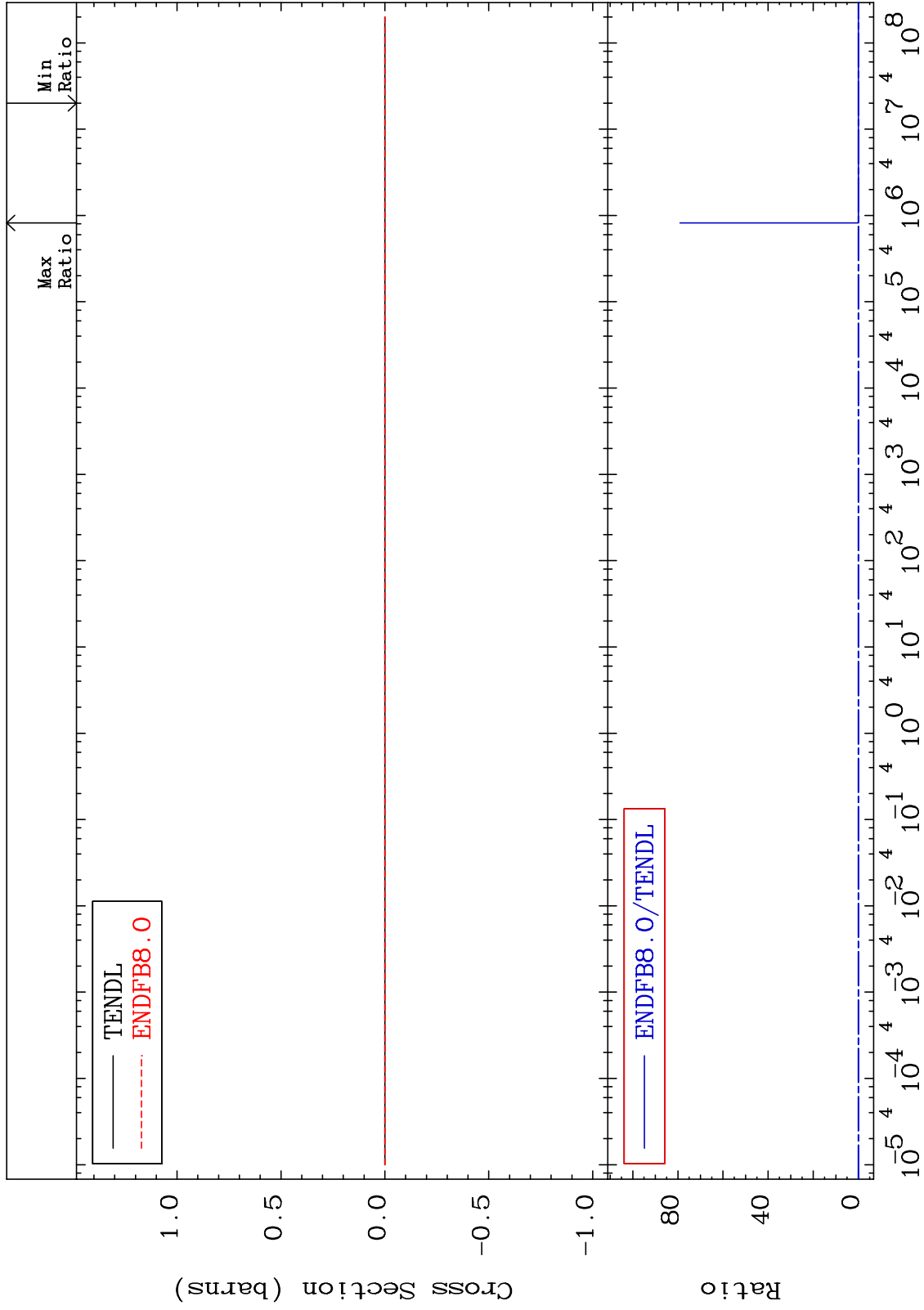
Incident Energy (eV)

82-Pb-206

MAT 8231

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

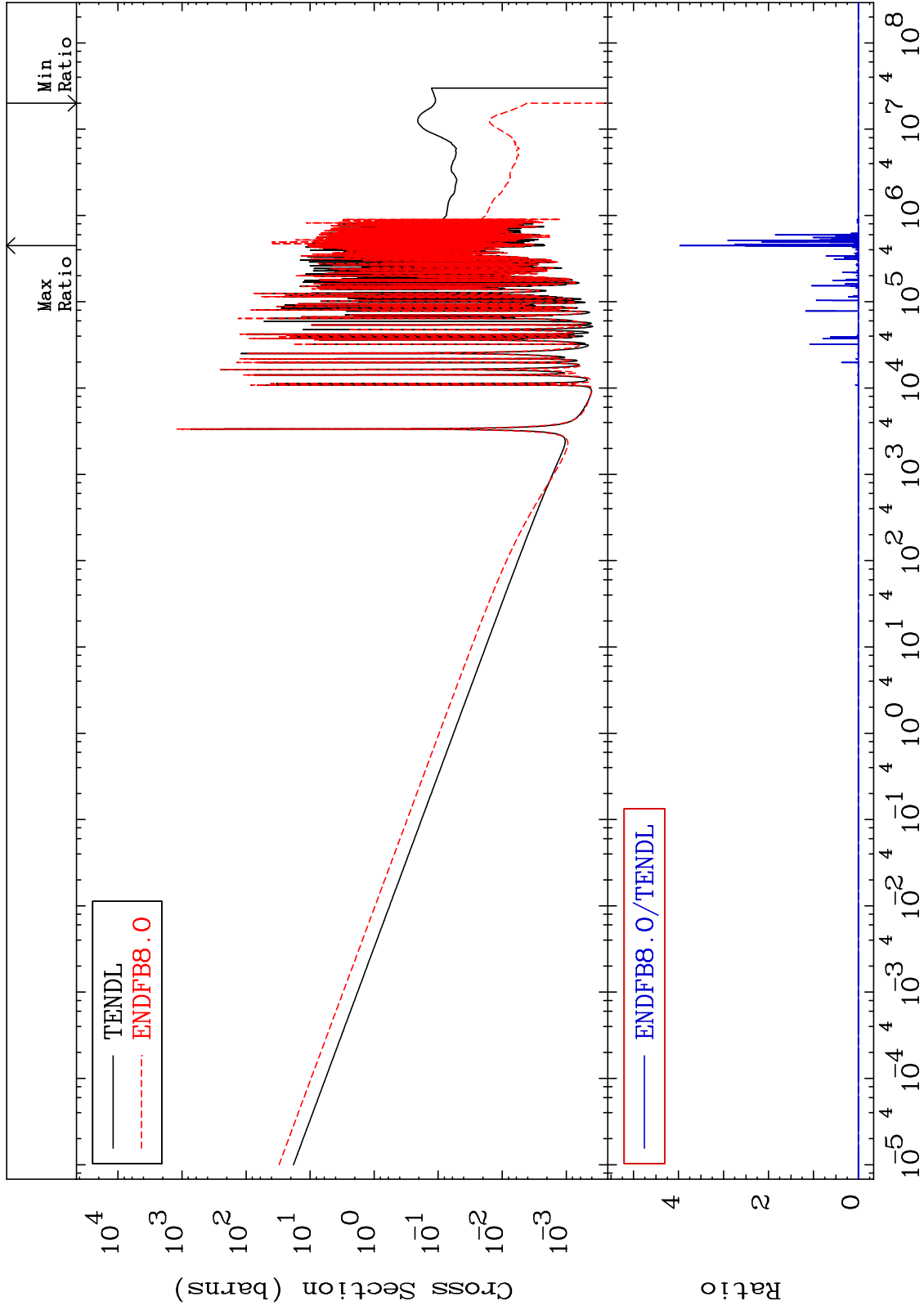
82-Pb-206
-100.0 To 9999. %



MAT 8231

Kerma capture (mt102)
Cross Section

82-Pb-206
-100.0 To 9999. %



55

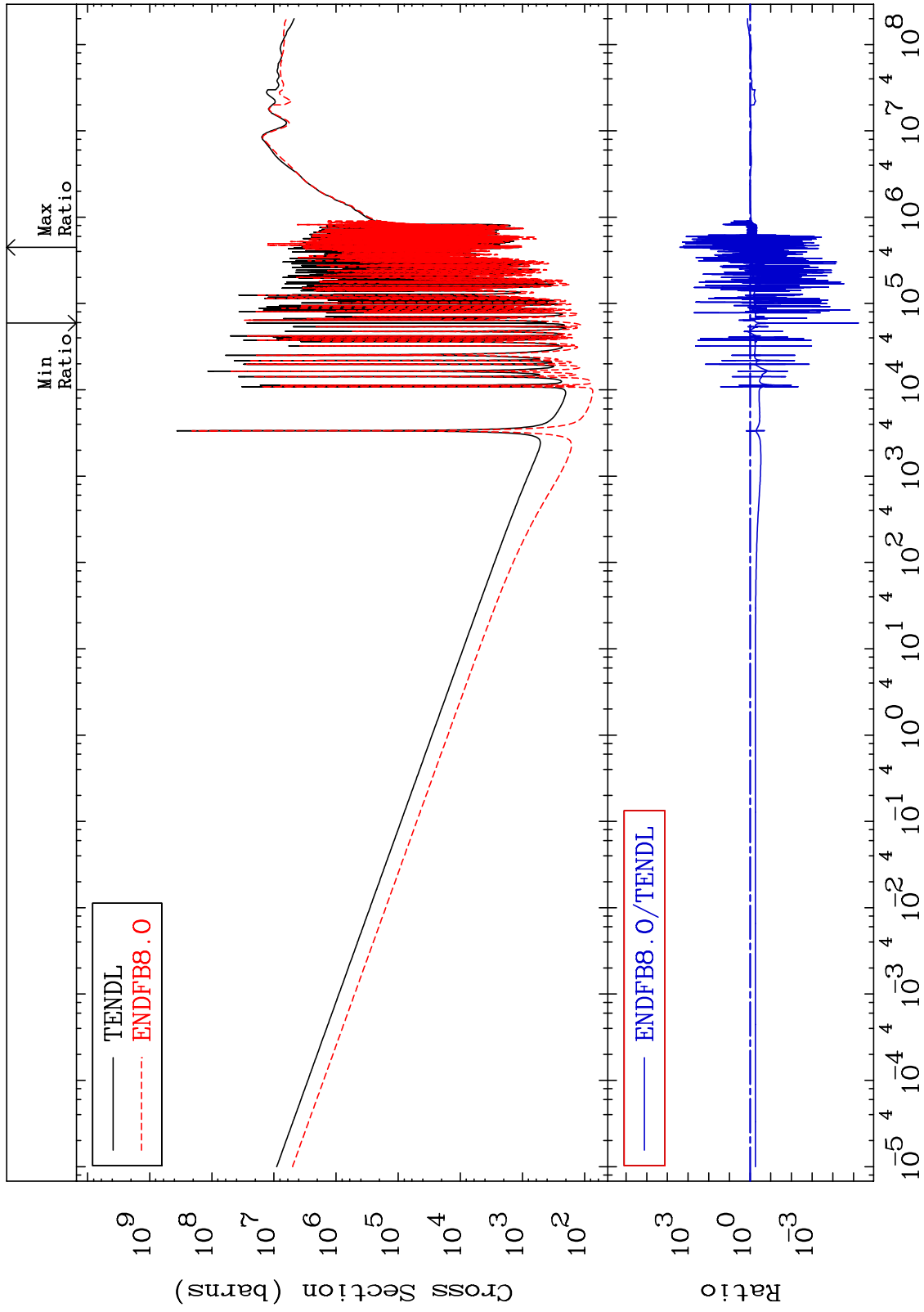
Incident Energy (eV)

82-Pb-206

MAT 8231

Total photon (eV-barns)
Cross Section

82-Pb-206
-100.0 To 9999. %



56

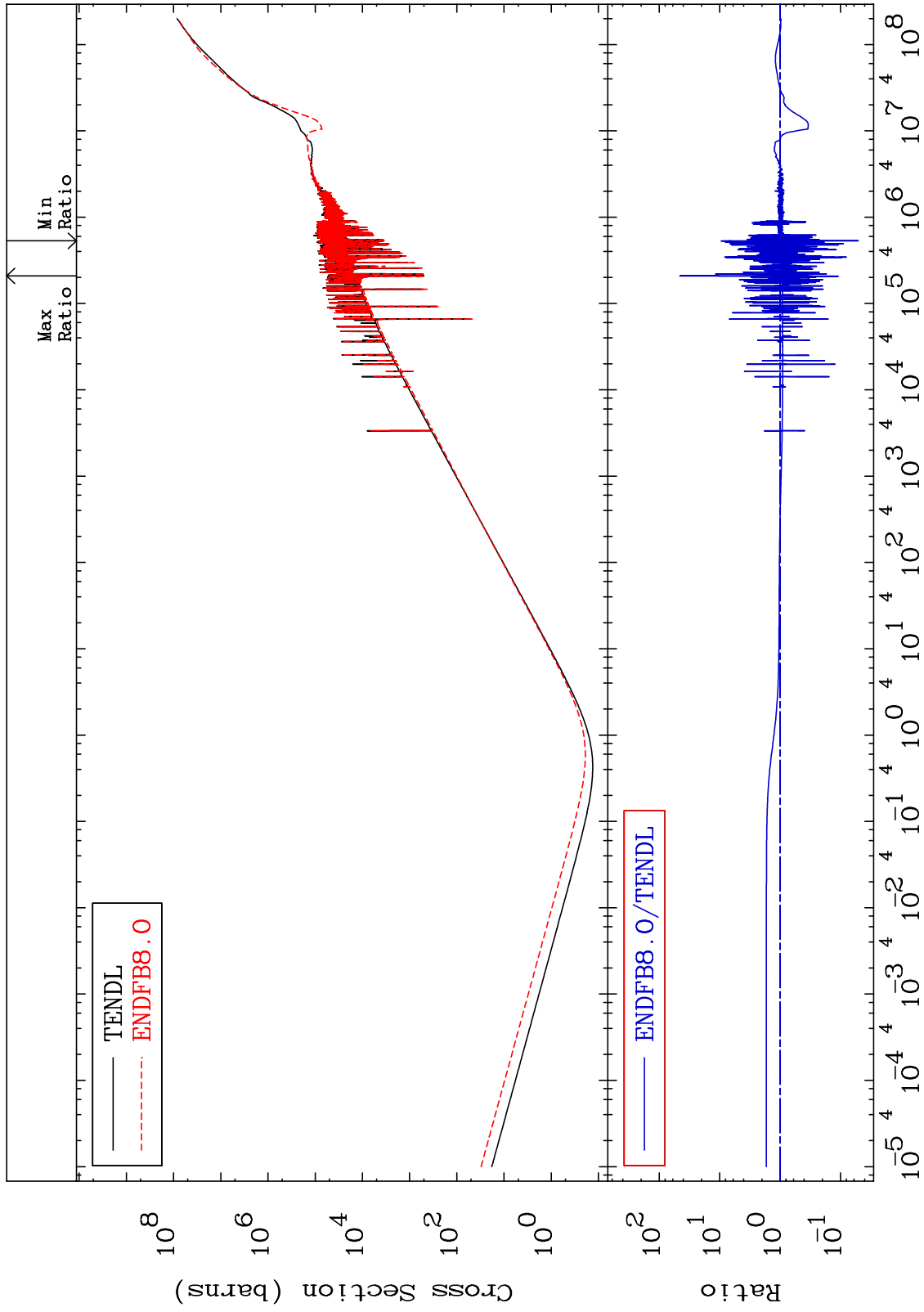
Incident Energy (eV)

82-Pb-206

MAT 8231

Total kinematic kerma (high limit)
Cross Section

82-Pb-206
-94.94 To 4431. %



57

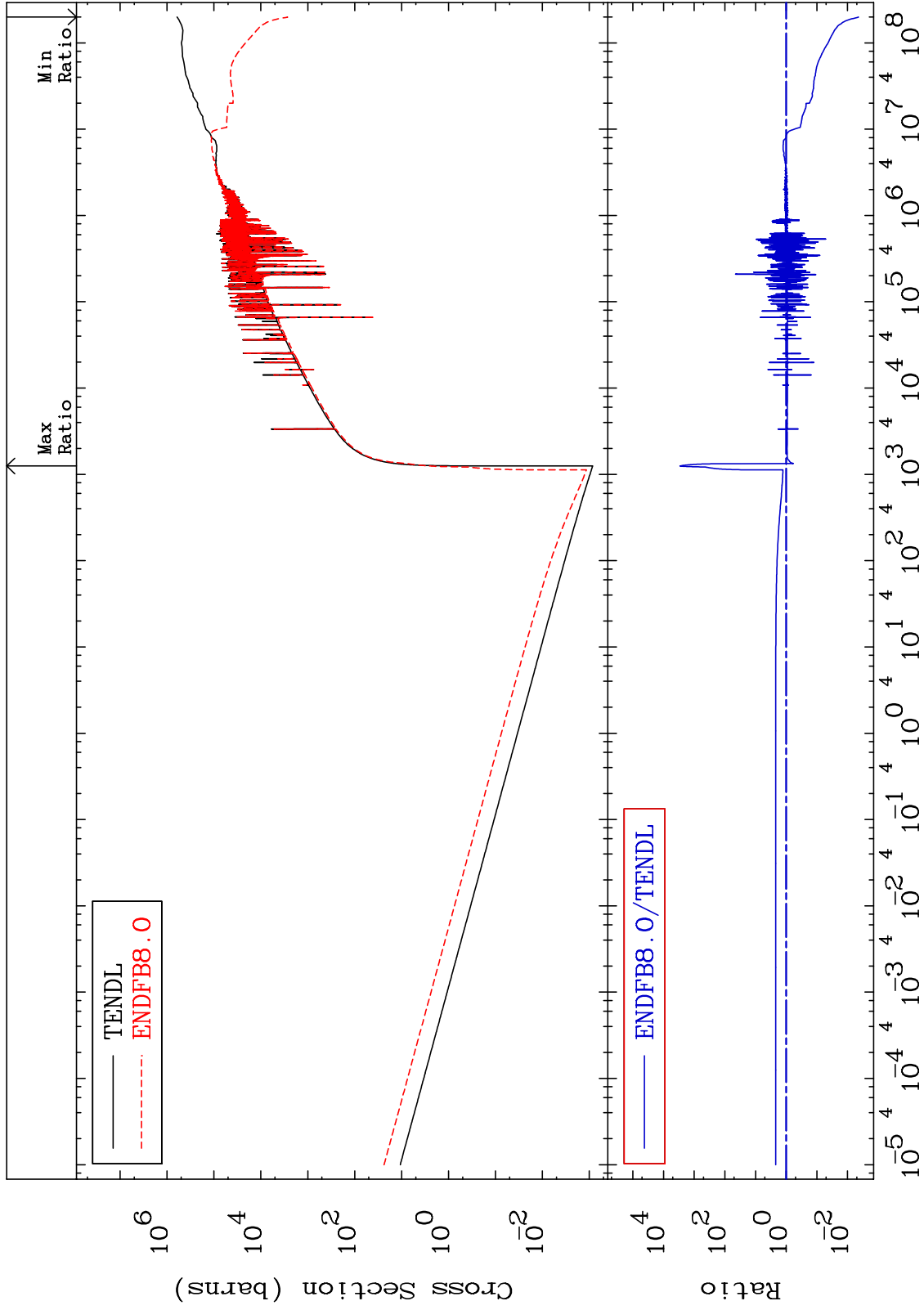
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa total (eV-barns)
Cross Section

82-Pb-206
-99.56 To 9999. %



58

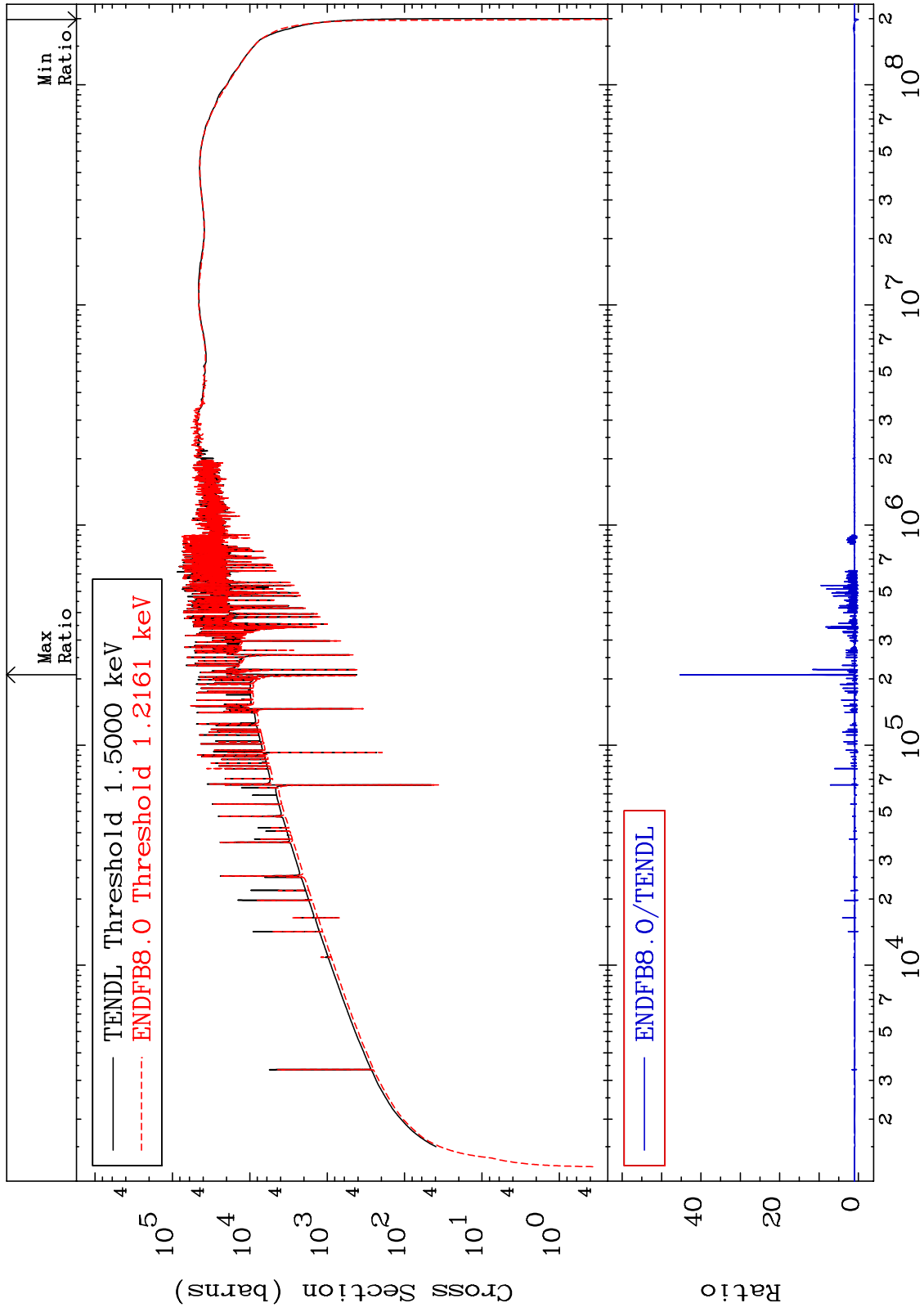
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa elastic (mt2)
Cross Section

82-Pb-206
-100.0 To 4431. %



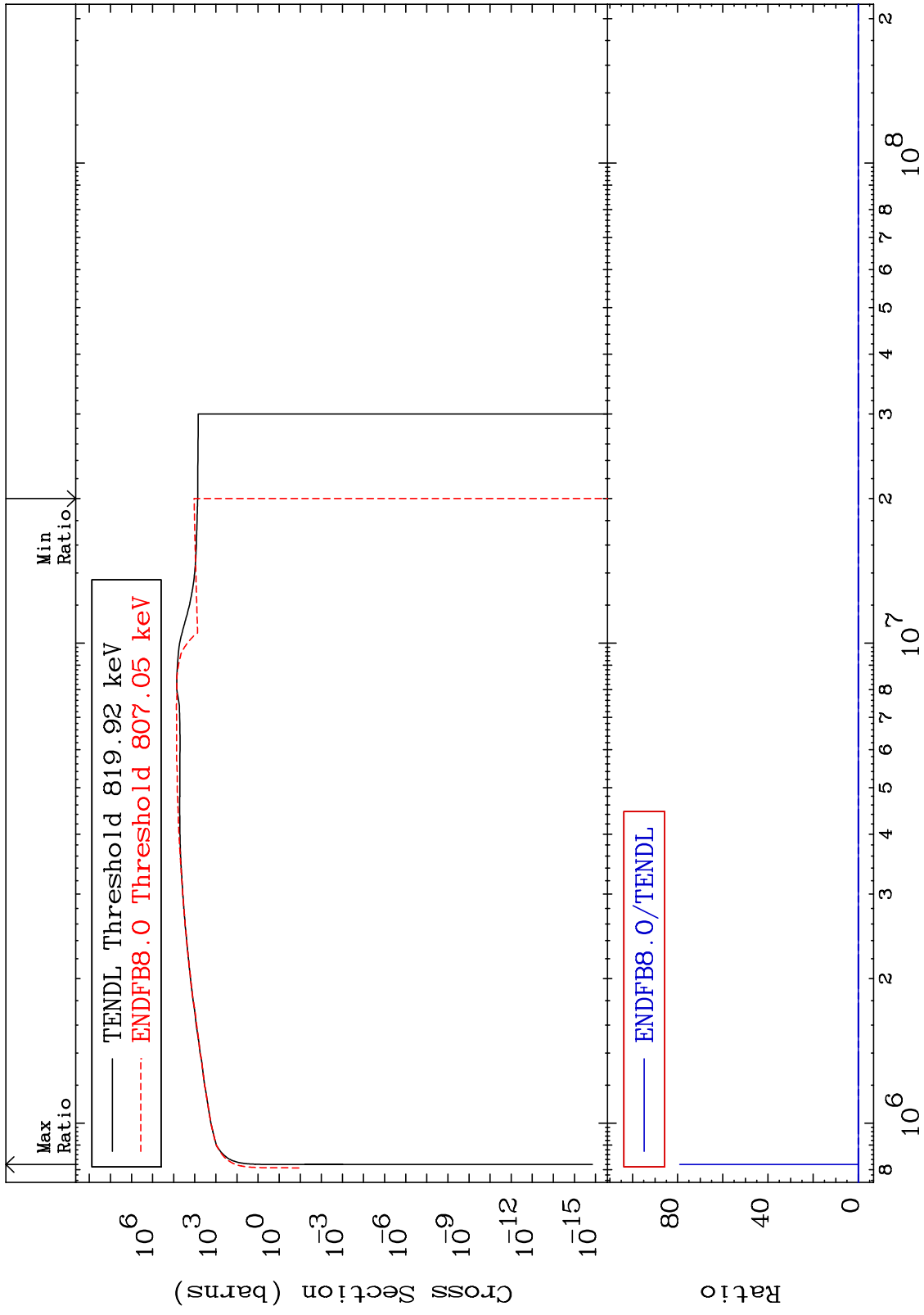
— TENDL Threshold 1.5000 keV
- - - ENDFB8.0 Threshold 1.2161 keV

— ENDFB8.0/TENDL

MAT 8231

Dpa inelastic (mt51-91)
Cross Section

82-Pb-206
-100.0 To 9999. %



60

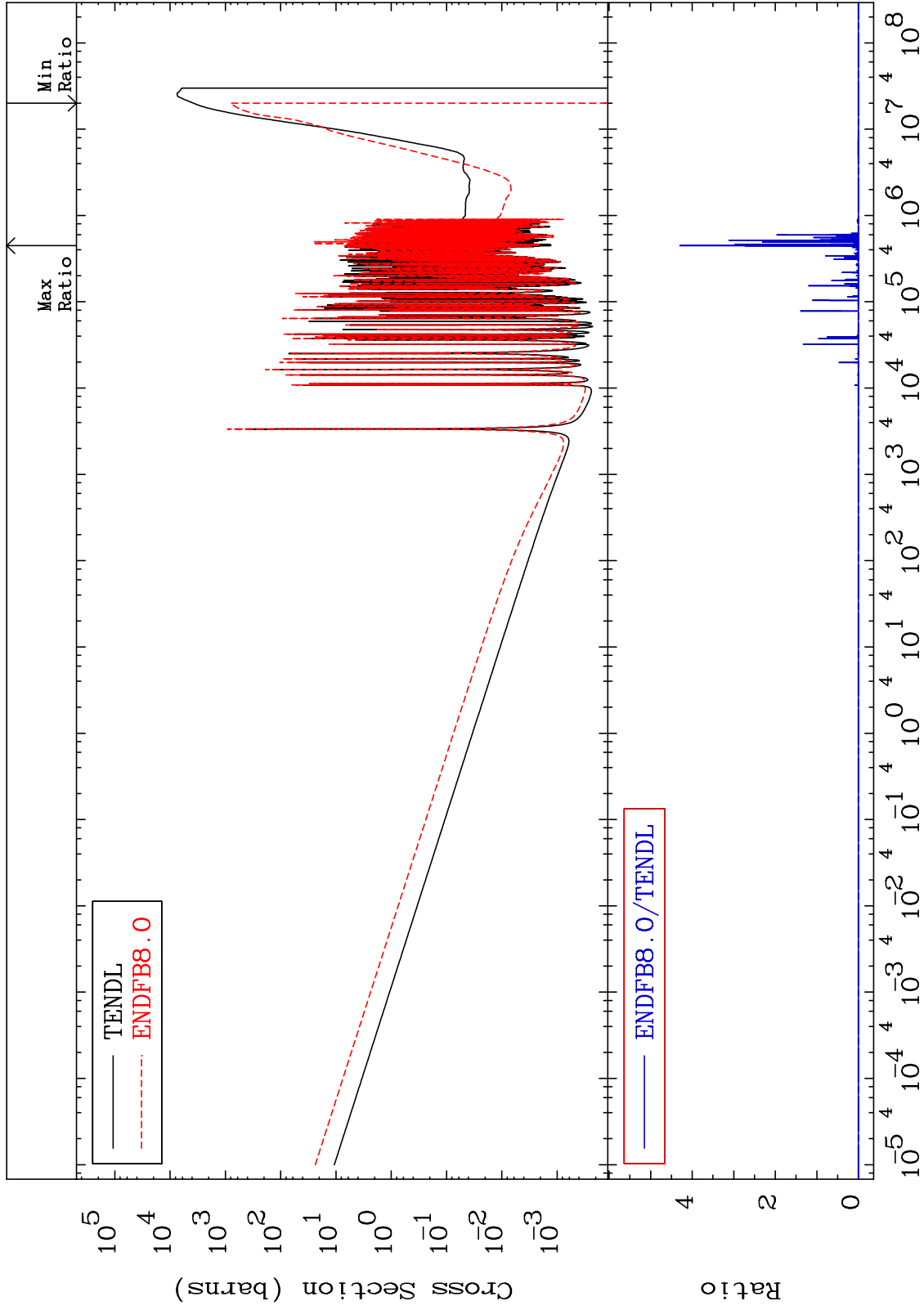
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-206
-100.0 To 9999. %



61

Incident Energy (eV)

82-Pb-206

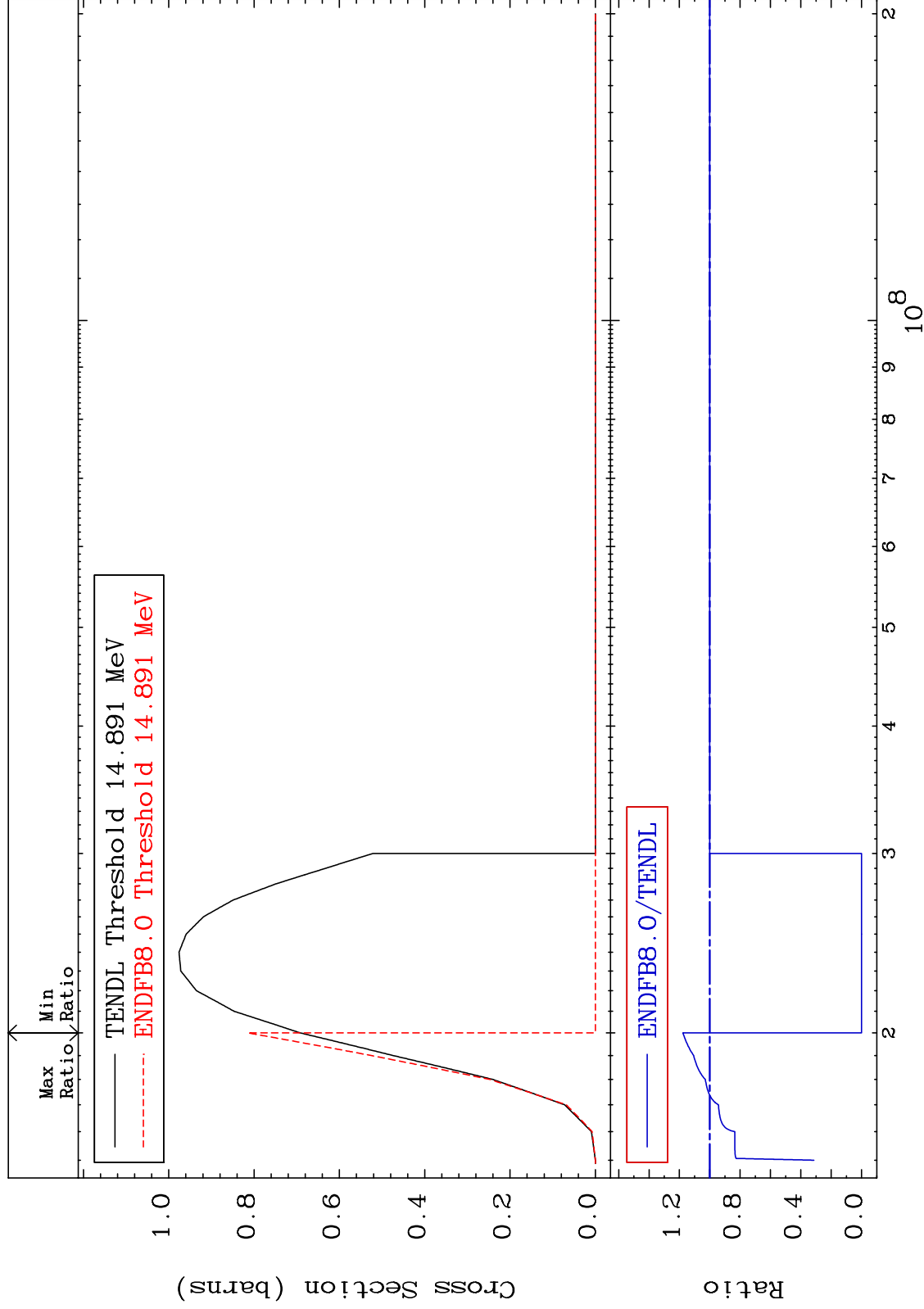
MAT 8231

(n,3n):82-Pb-204g

82-Pb-206

Radionuclide Production Cross Section

-100.0 To 17.72 %



62

Incident Energy (eV)

82-Pb-206