

Program Complot  
(Version 2018-1)

by

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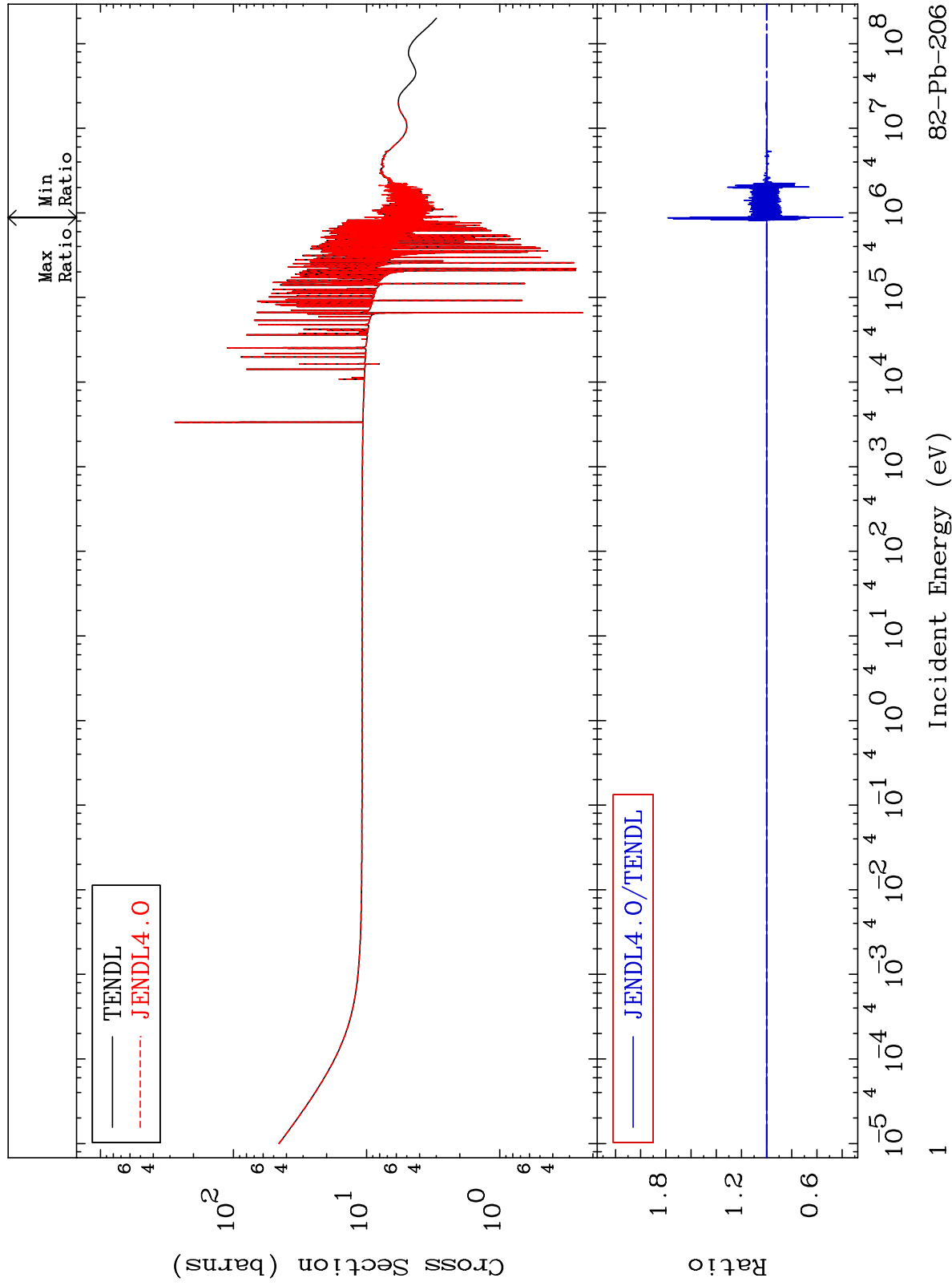
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8231

Total  
Cross Section

82-Pb-206  
-60.54 To 78.29 %

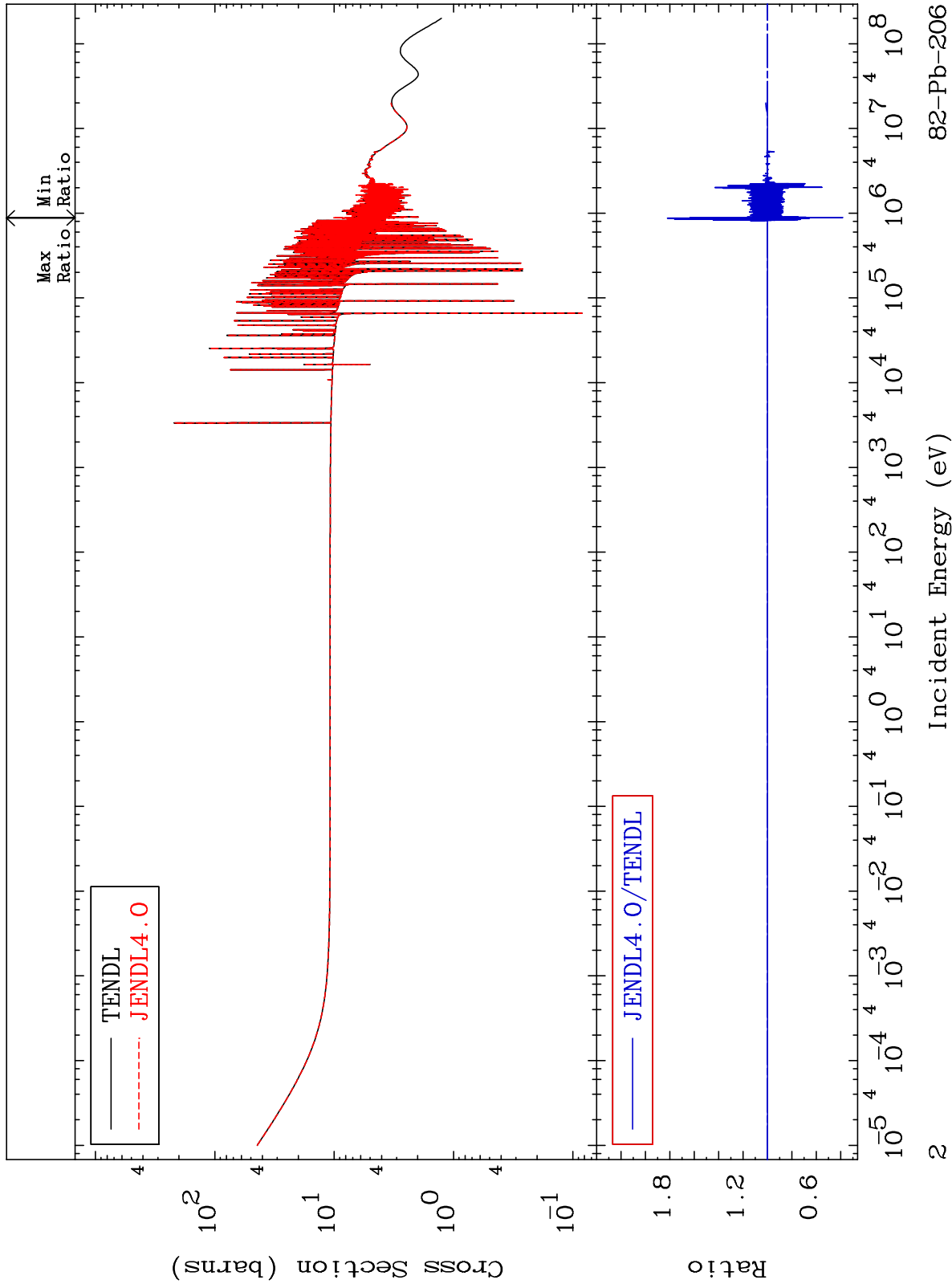


82-Pb-206

MAT 8231

Elastic  
Cross Section

82-Pb-206  
-61.64 To 81.85 %



82-Pb-206

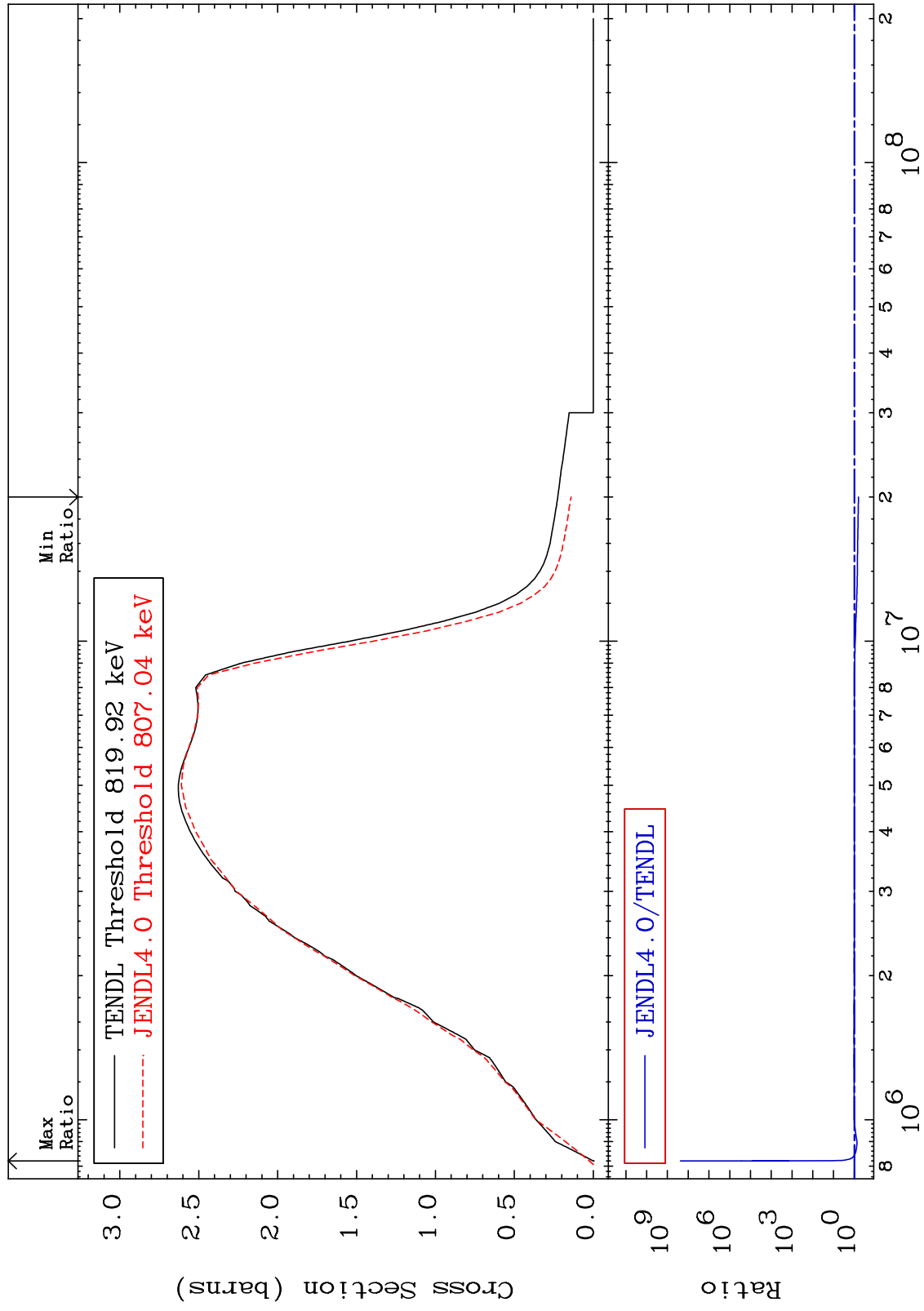
Incident Energy (eV)

2

MAT 8231

Inelastic  
Cross Section

82-Pb-206  
-37.39 To 9999. %



3

Incident Energy (eV)

82-Pb-206

MAT 8231

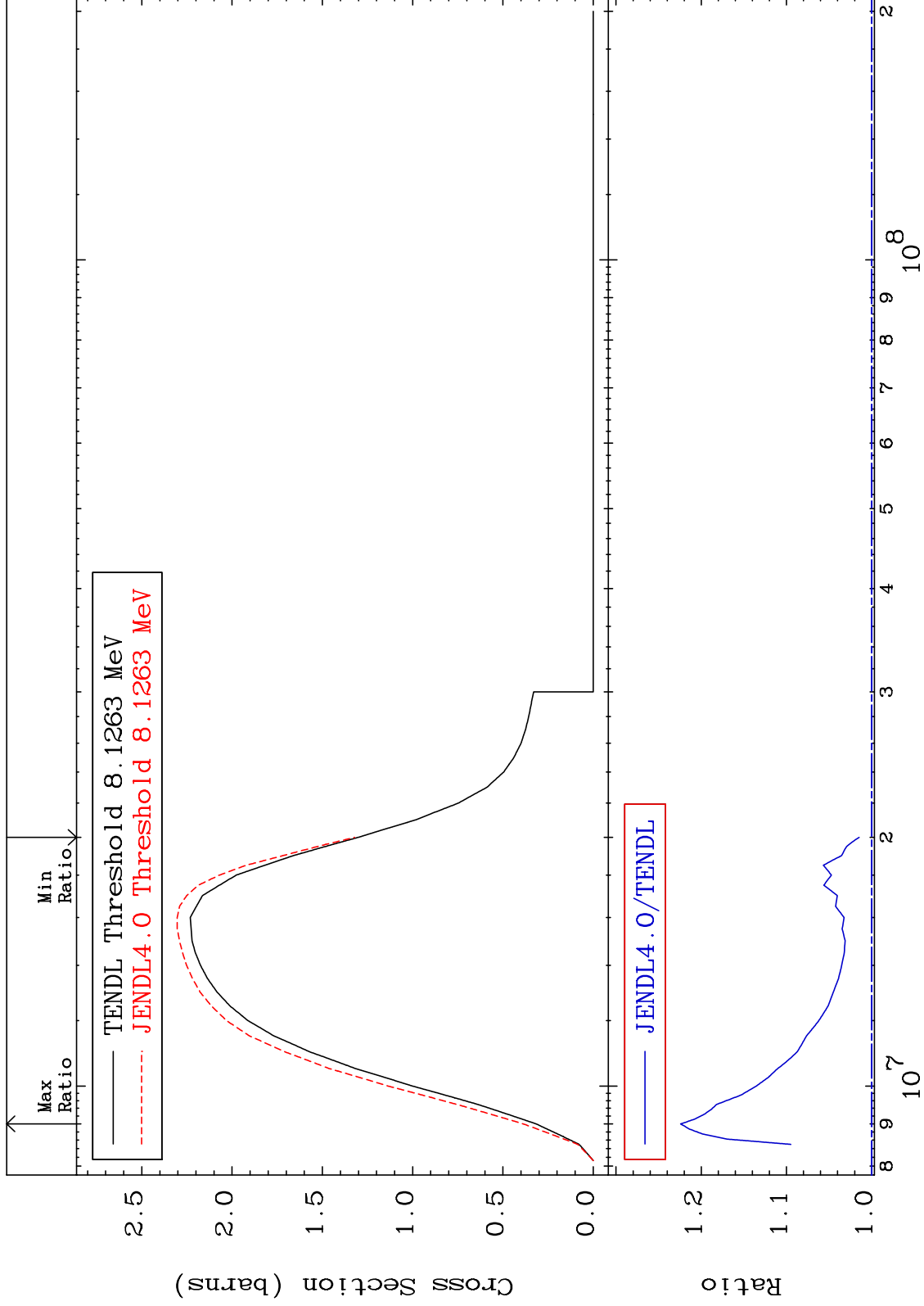
(n,2n)

82-Pb-206

Cross Section

1.471

To 22.42 %



82-Pb-206

Incident Energy (eV)

4

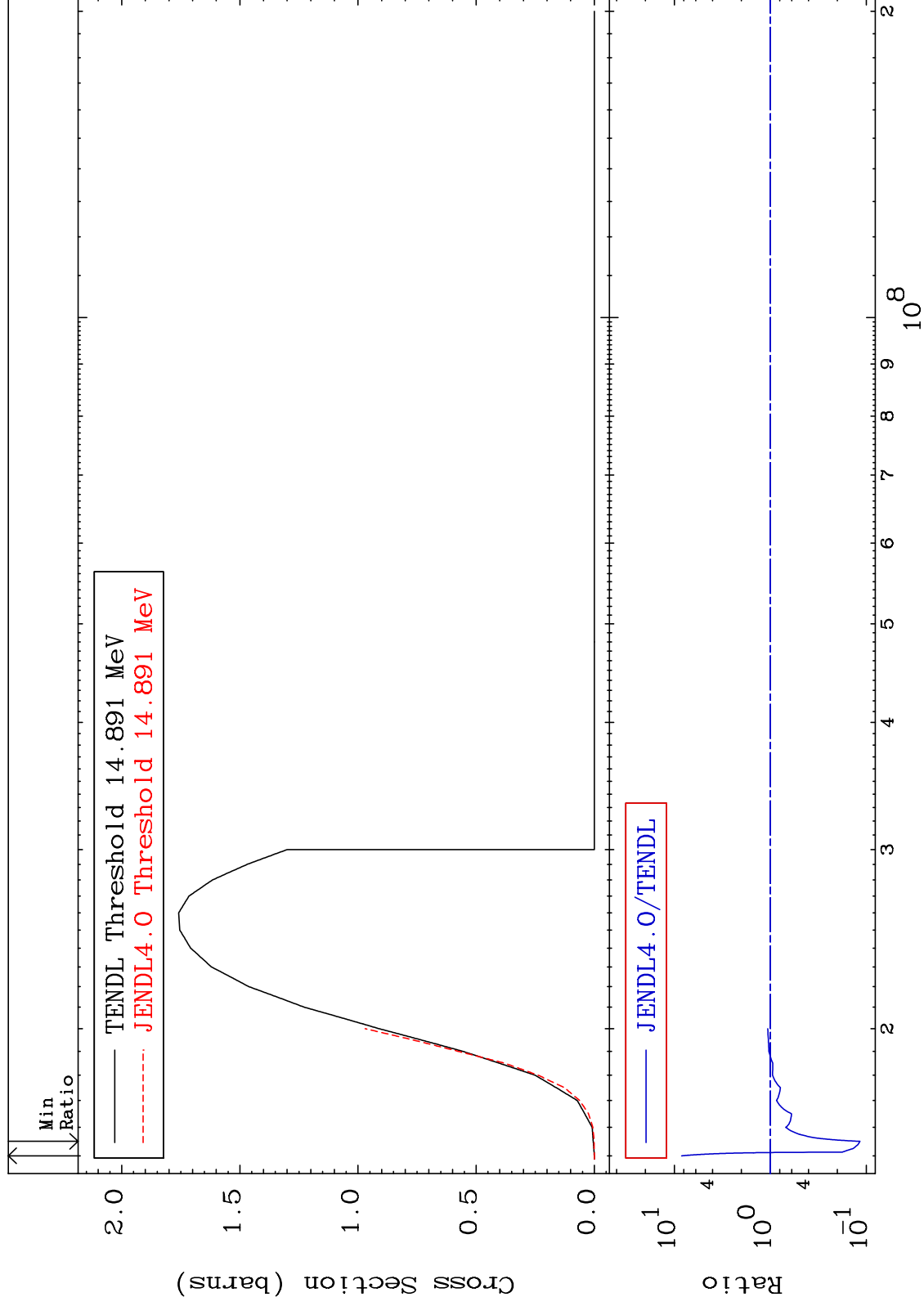
MAT 8231

(n, 3n)

82-Pb-206

Cross Section

-88.38 To 739.6 %



5

Incident Energy (eV)

82-Pb-206

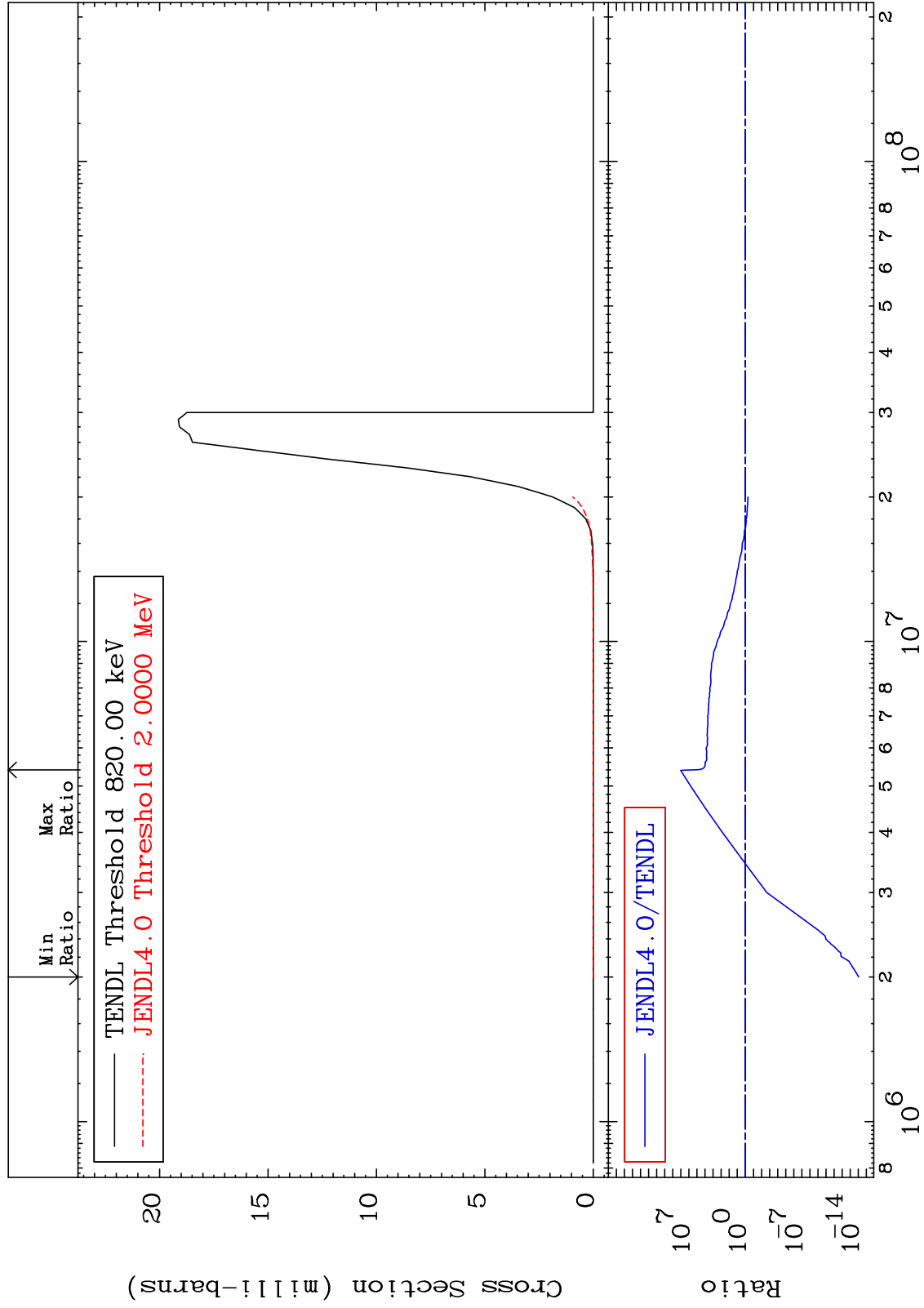
MAT 8231

(n, n')  $\alpha$

82-Pb-206

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

82-Pb-206

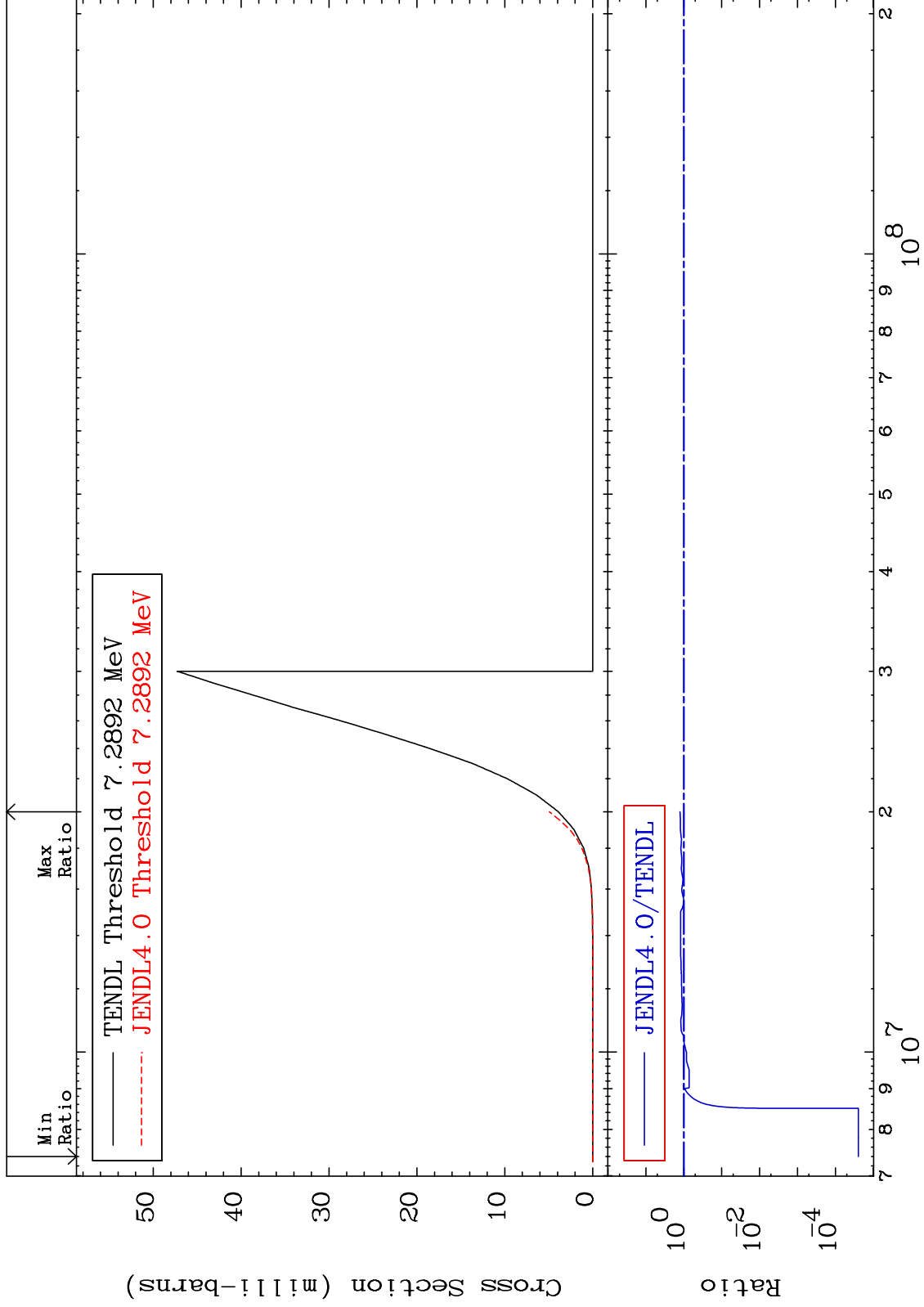
MAT 8231

(n,n') p

82-Pb-206

Cross Section

-100.0 To 26.08 %



7

Incident Energy (eV)

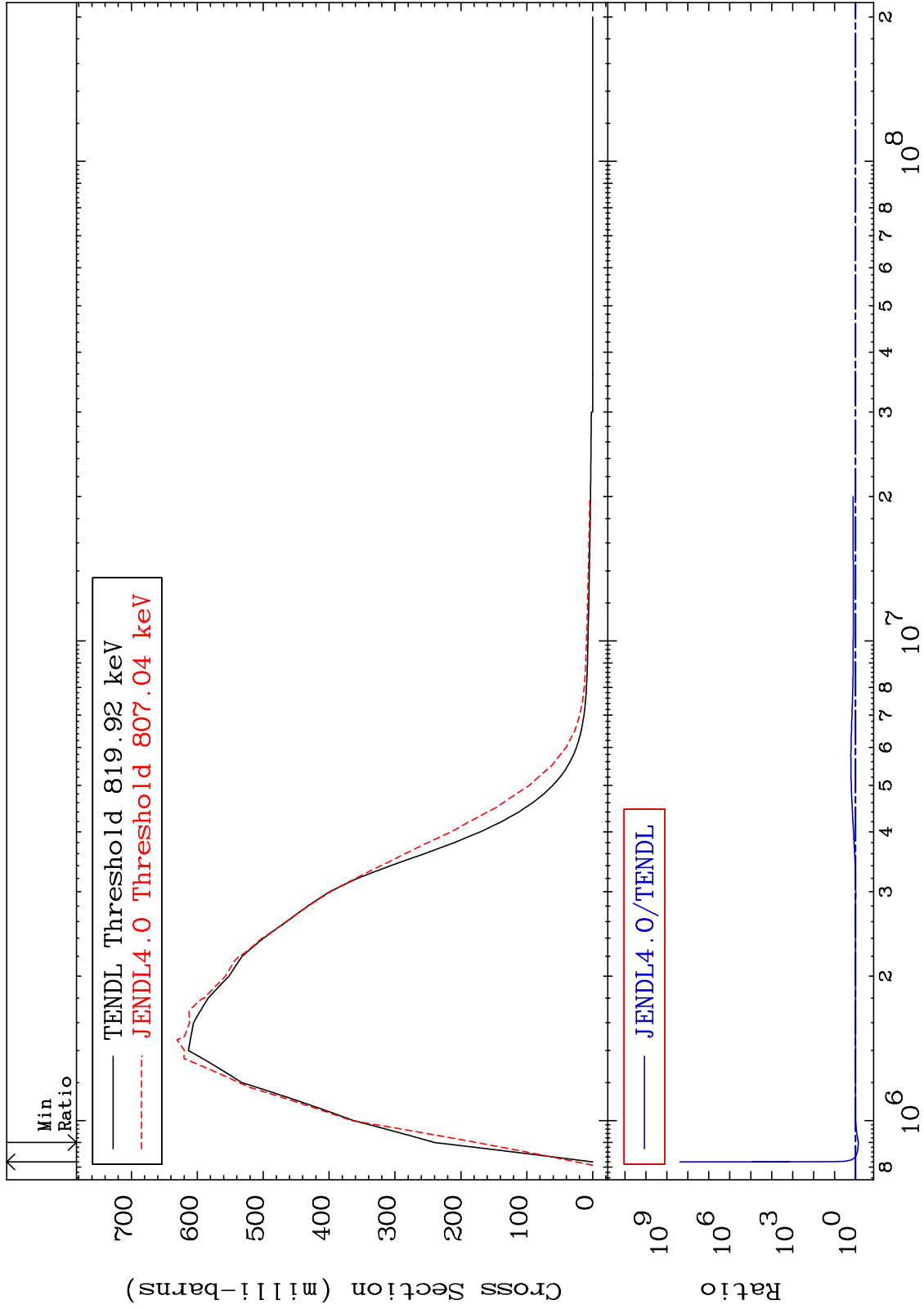
82-Pb-206



MAT 8231

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

82-Pb-206  
-26.49 To 9999. %



8

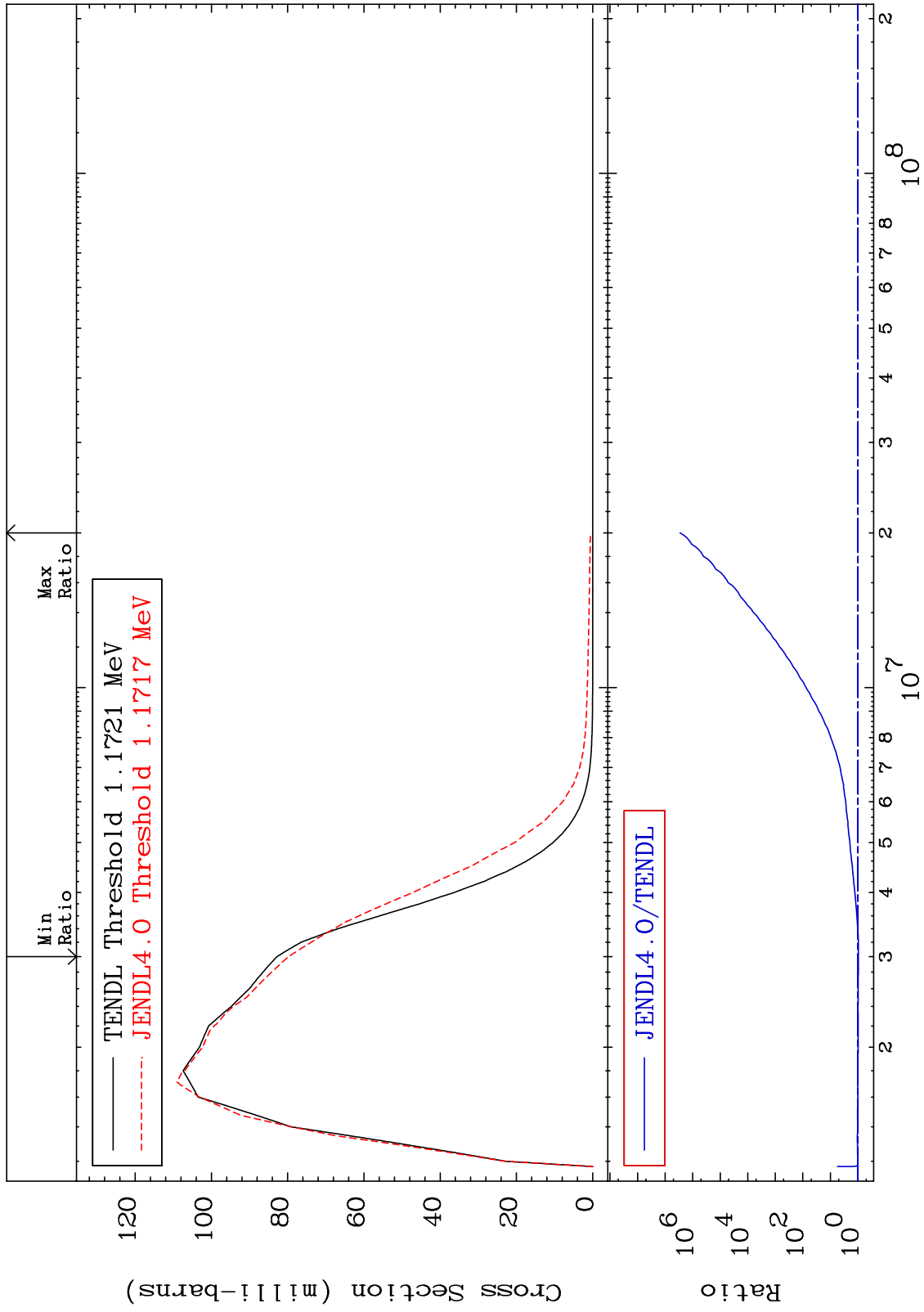
Incident Energy (eV)

82-Pb-206

MAT 8231

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

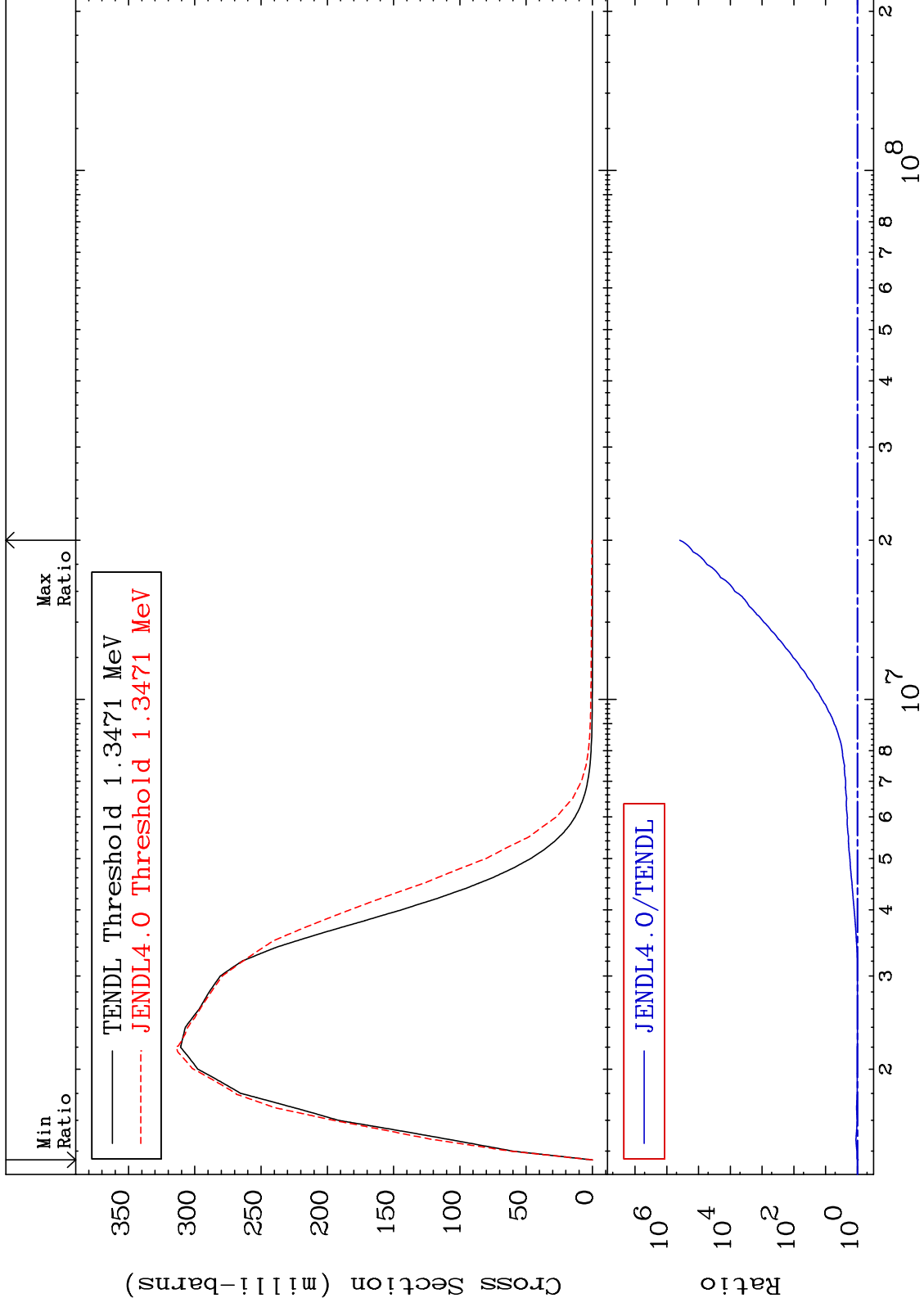
82-Pb-206  
-3.697 To 9999. %



MAT 8231

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

82-Pb-206  
-6.524 To 9999. %



10

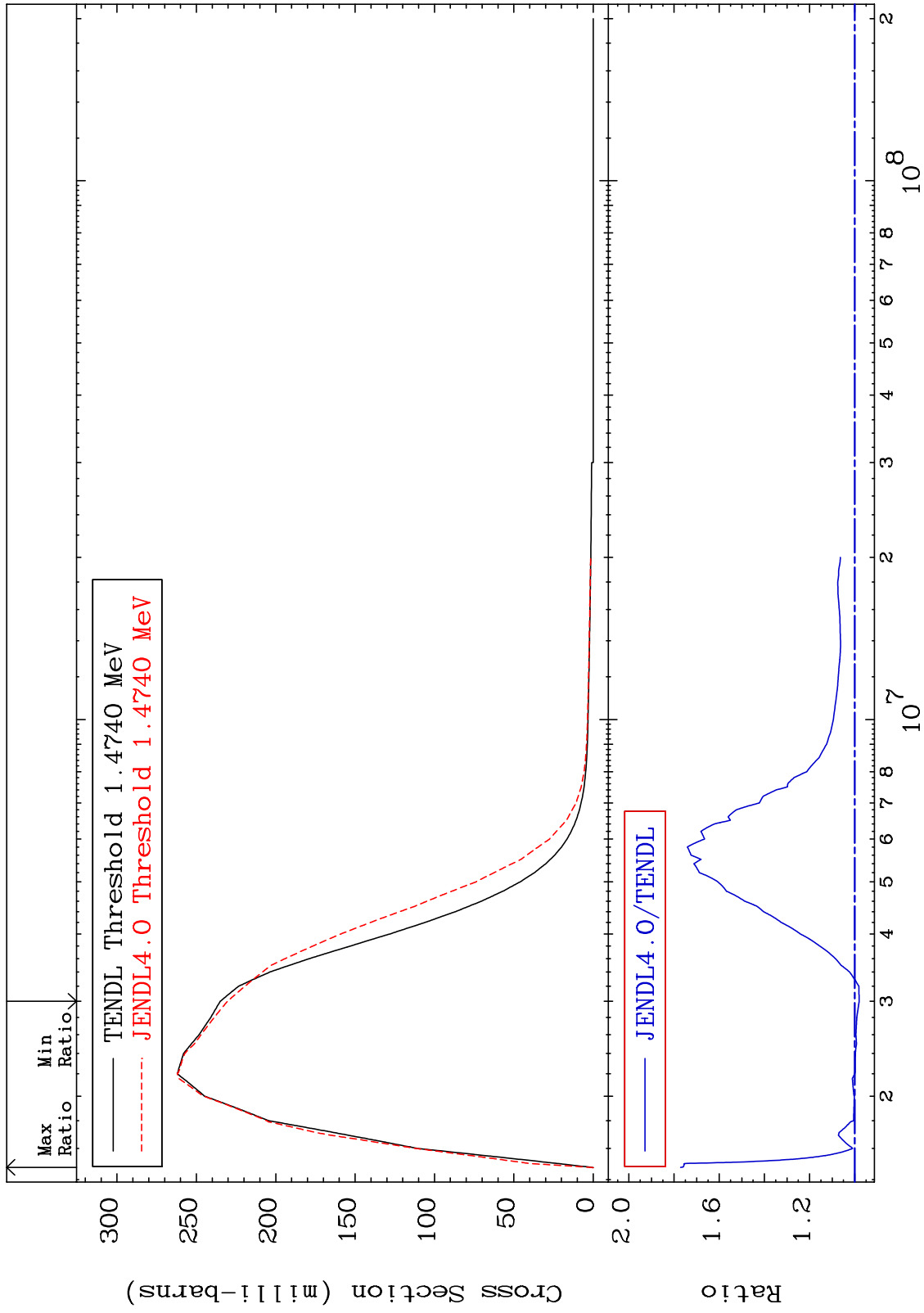
Incident Energy (eV)

82-Pb-206

MAT 8231

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

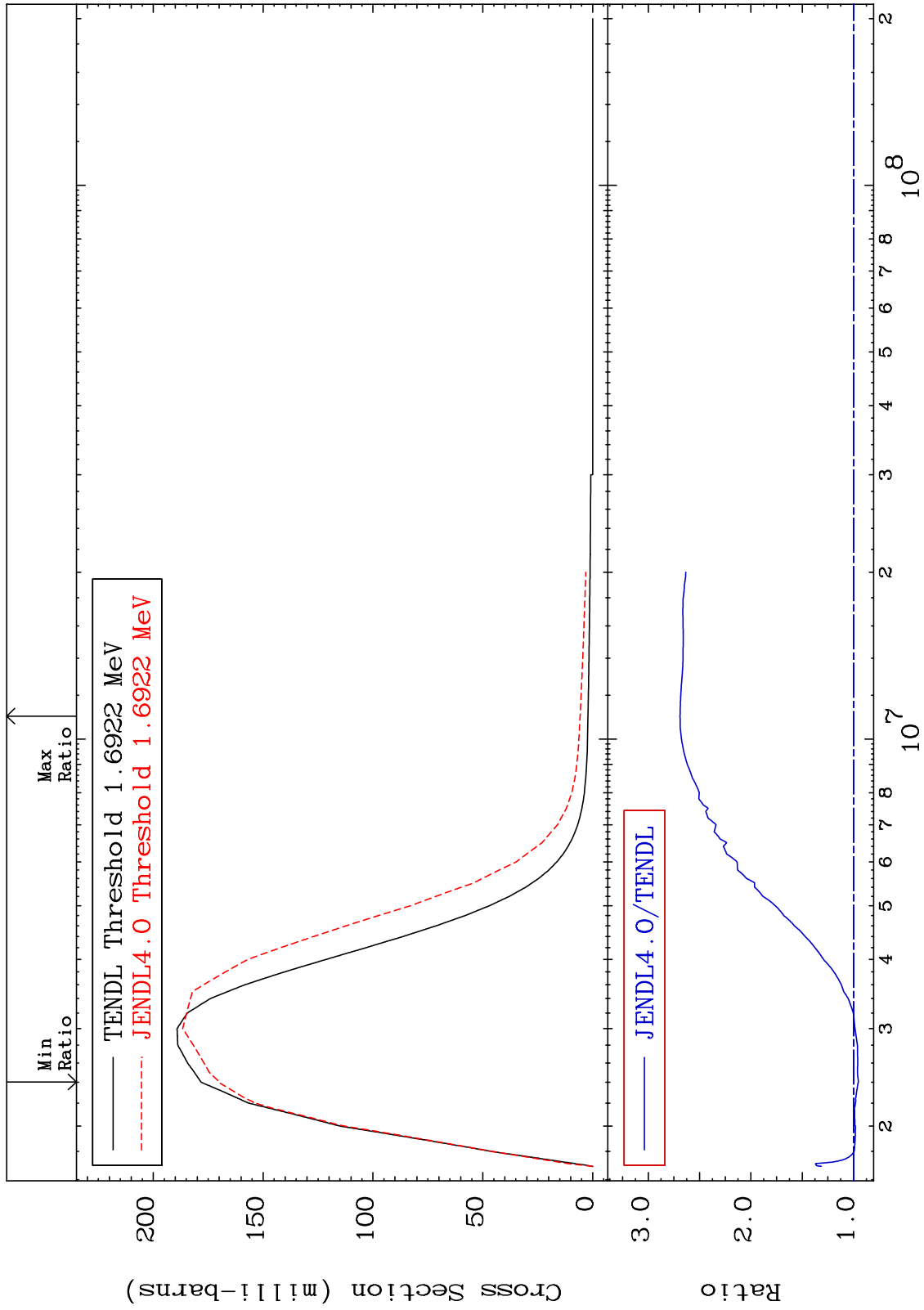
82-Pb-206  
-1.947 To 77.10 %



MAT 8231

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

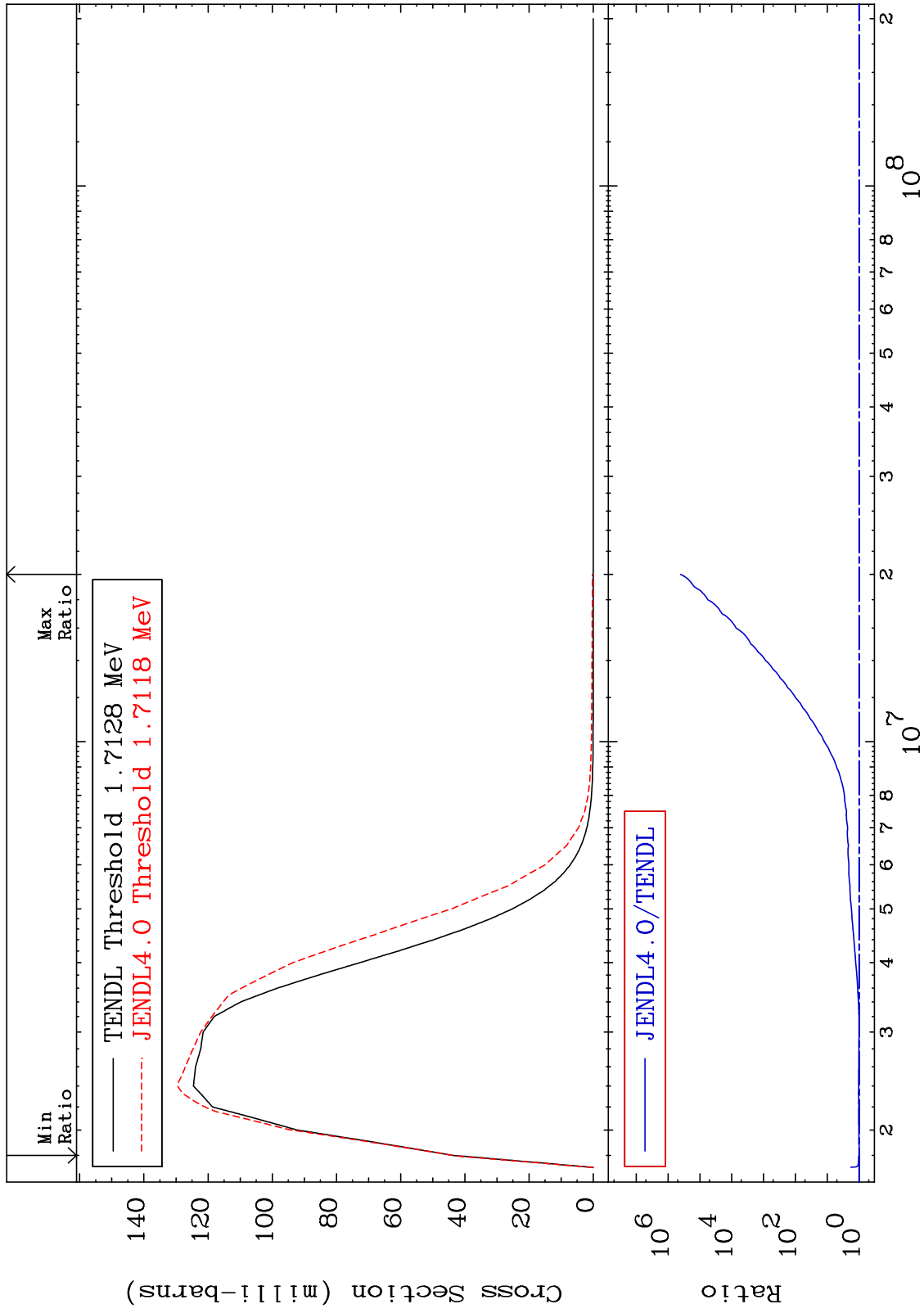
82-Pb-206  
-4.730 To 169.0 %



MAT 8231

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

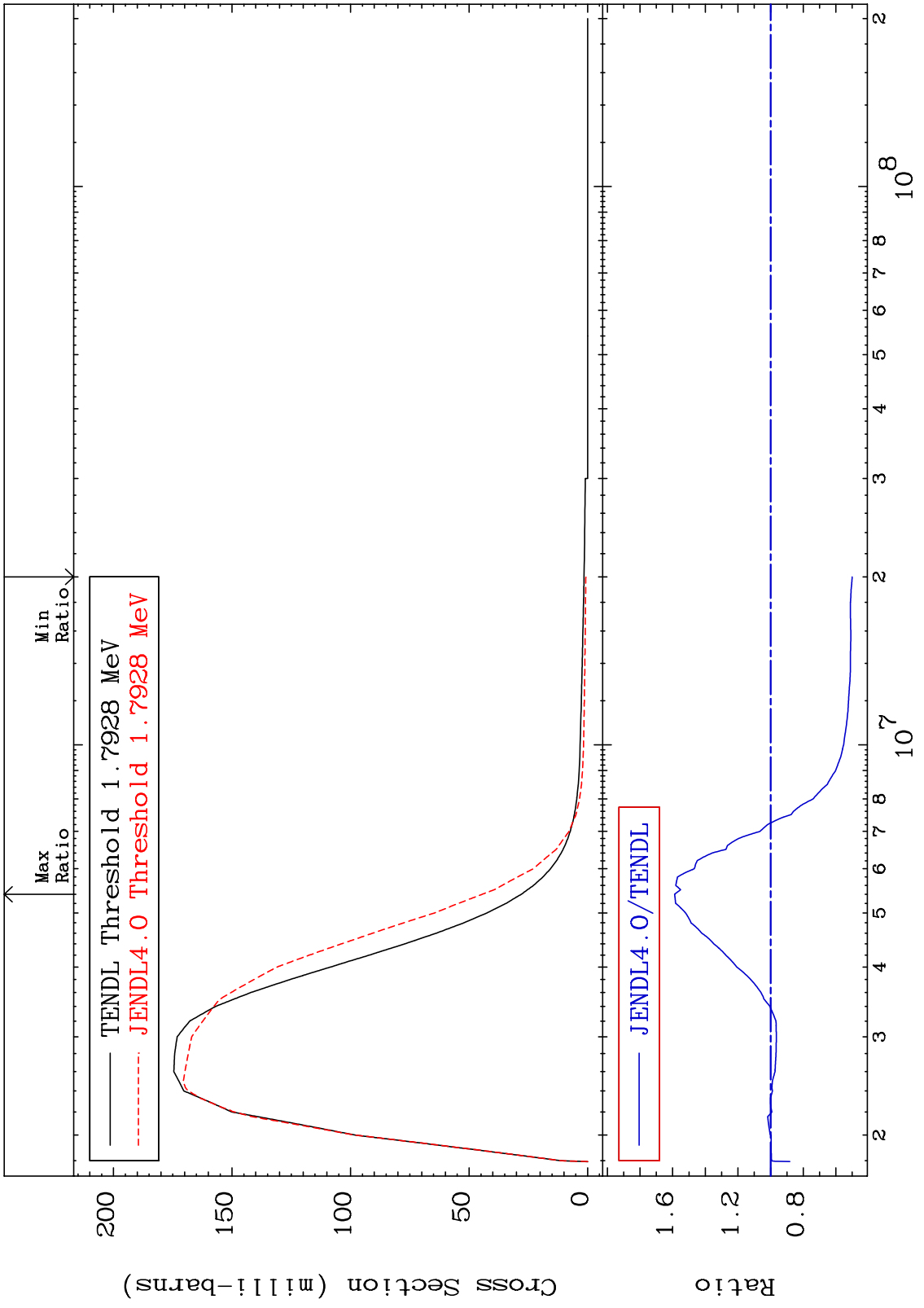
82-Pb-206  
0.011 To 9999. %



MAT 8231

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

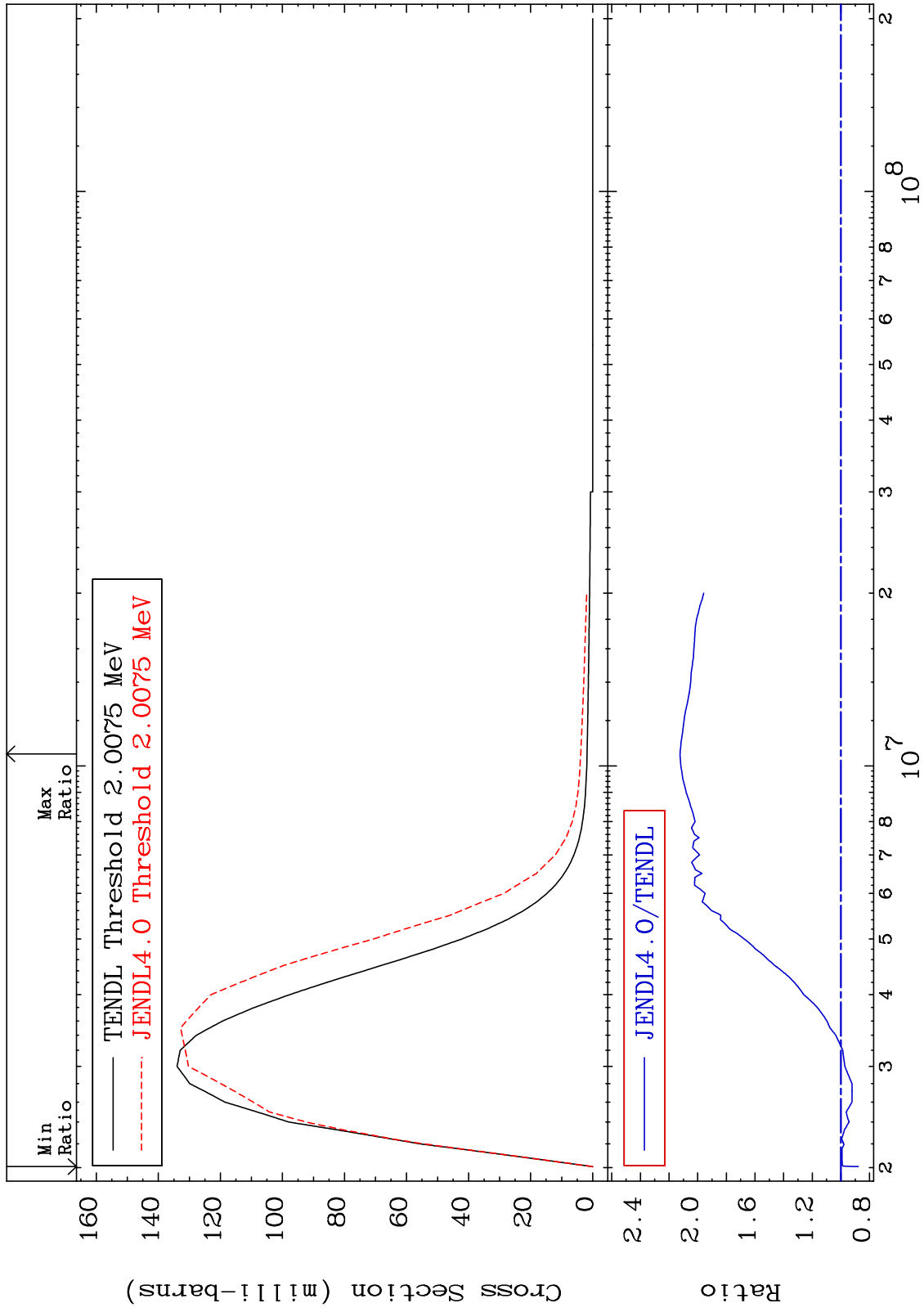
82-Pb-206  
-49.96 To 58.81 %



MAT 8231

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

82-Pb-206  
-12.23 To 112.3 %



15

Incident Energy (eV)

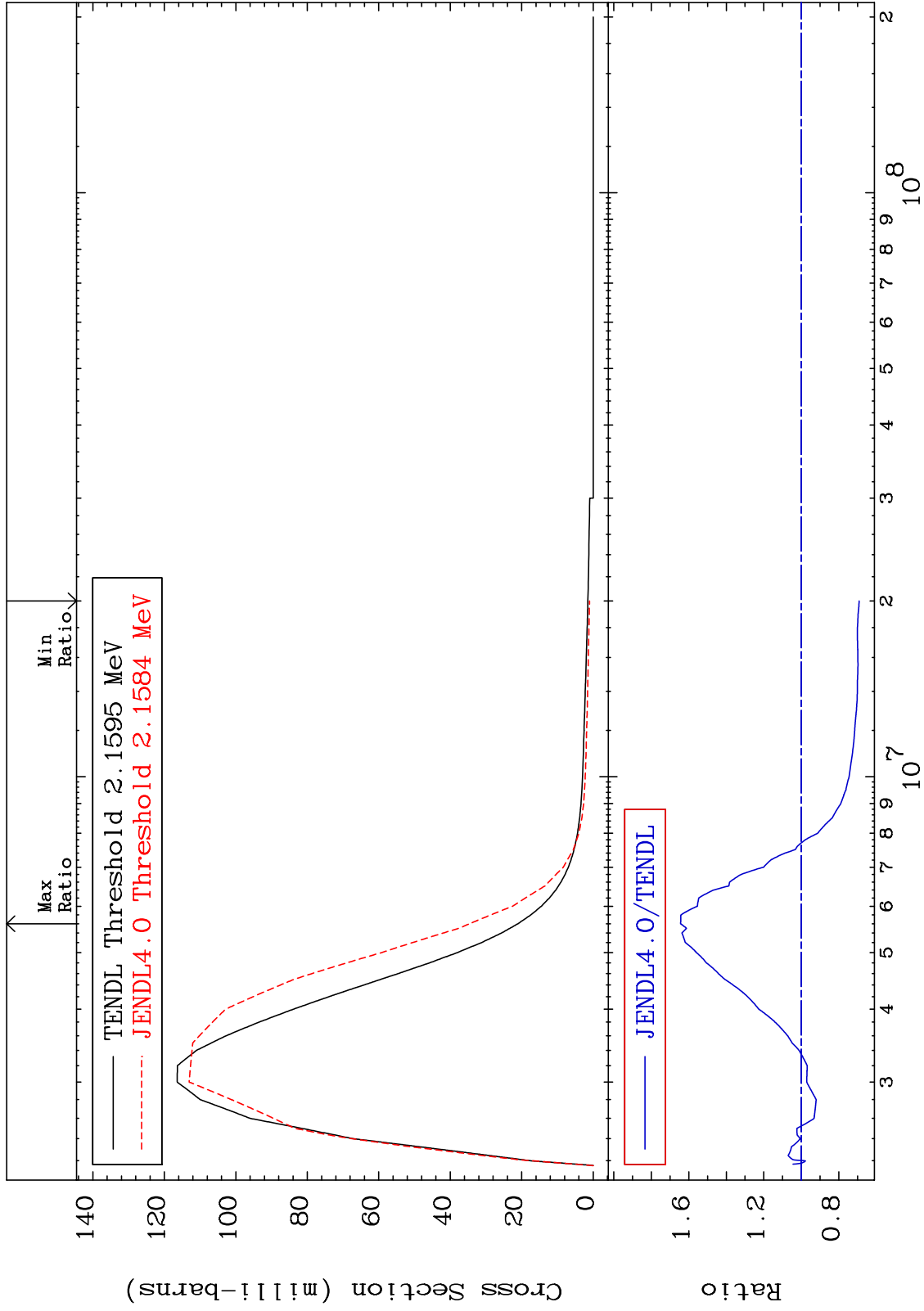
82-Pb-206



MAT 8231

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

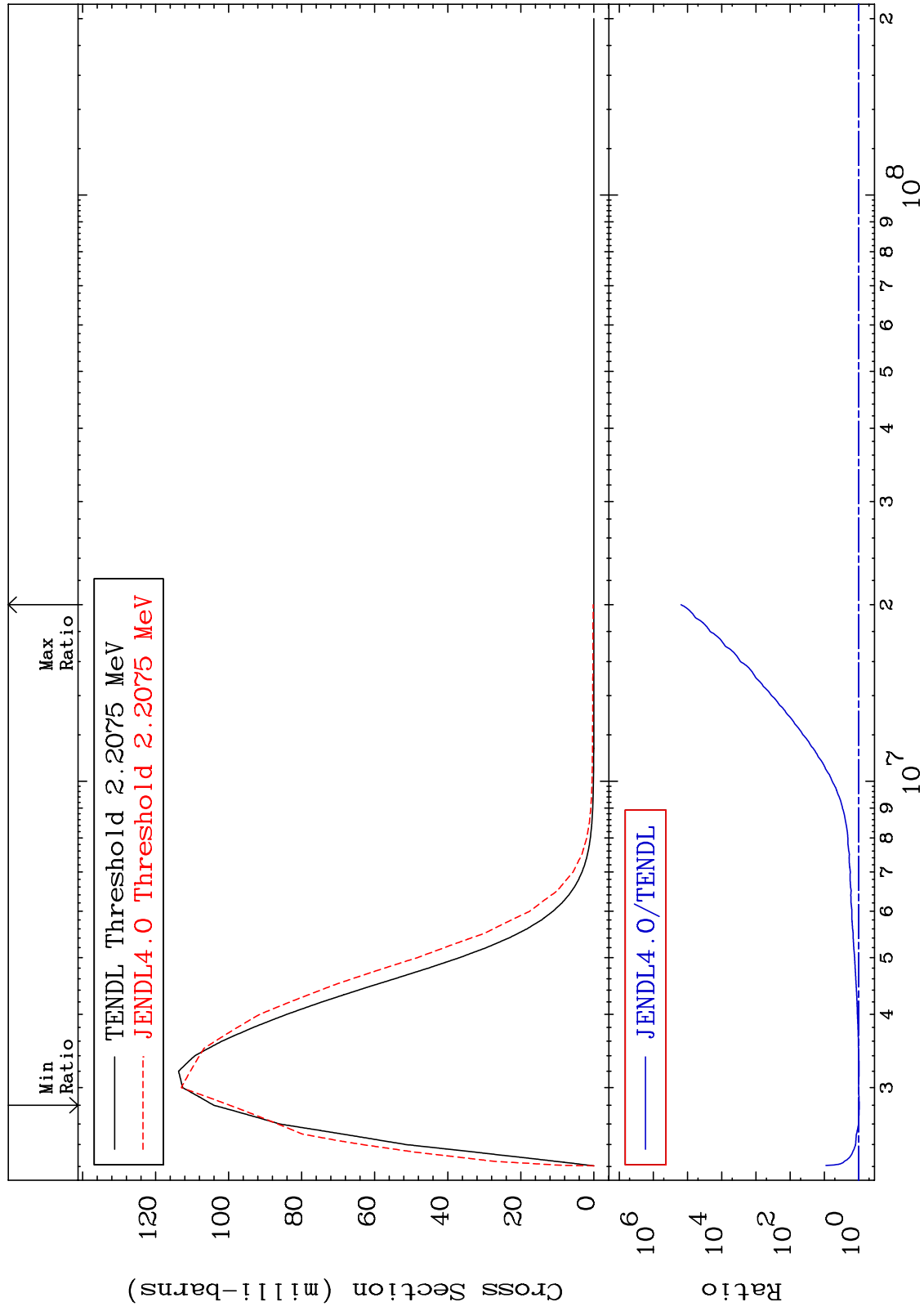
82-Pb-206  
-30.88 To 64.36 %



MAT 8231

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

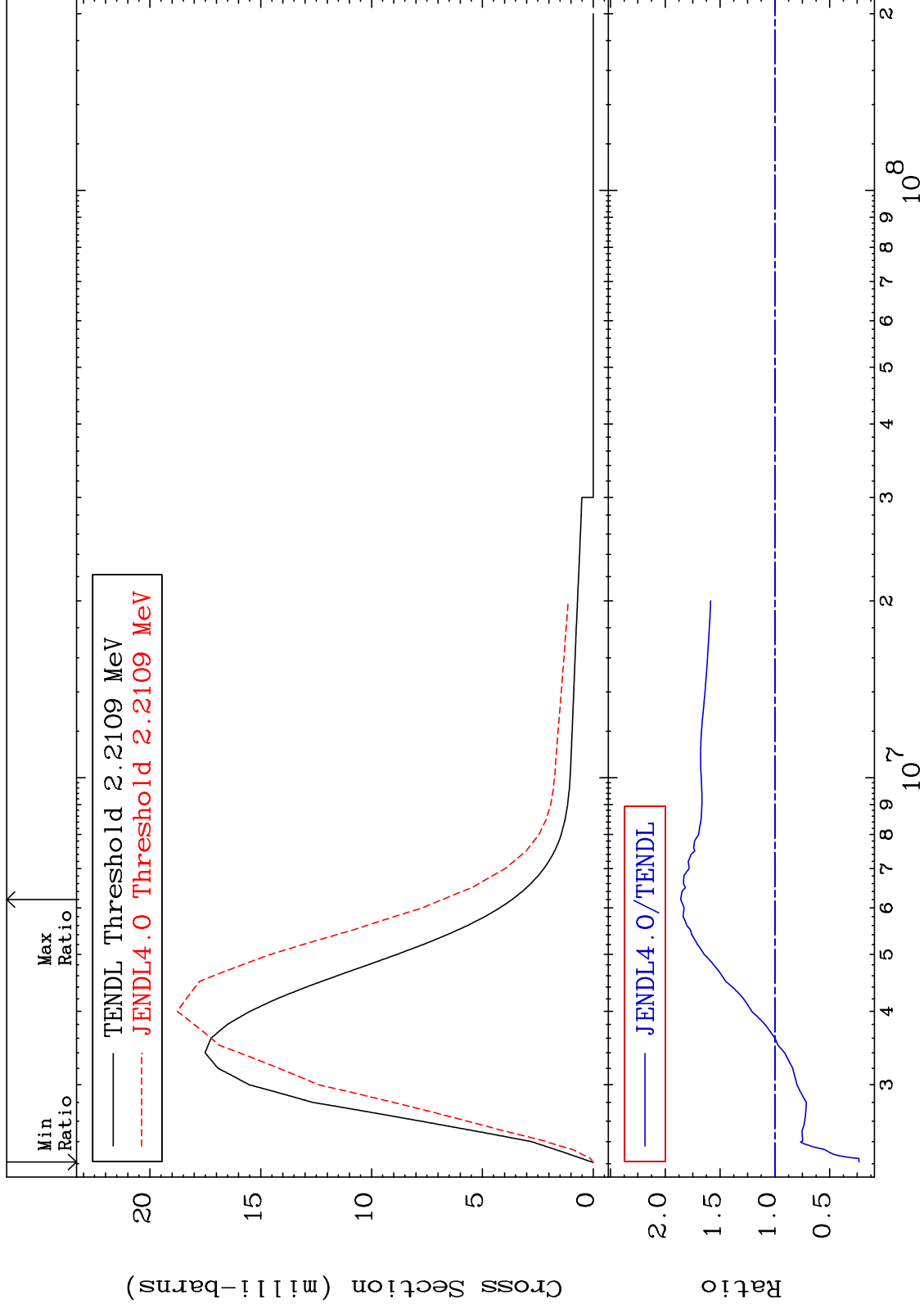
82-Pb-206  
-4.189 To 9999. %



MAT 8231

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

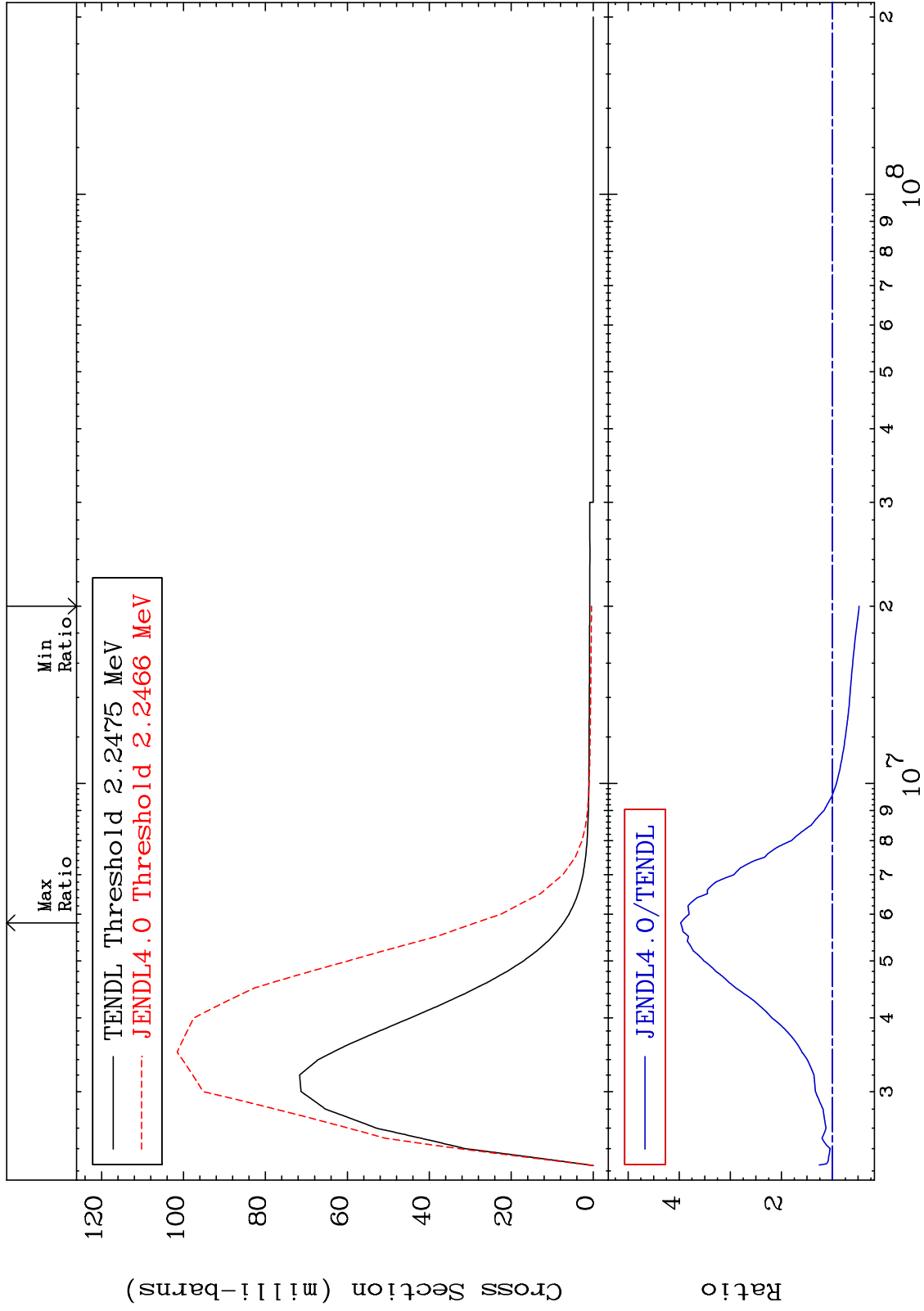
82-Pb-206  
-76.84 To 85.99 %



MAT 8231

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

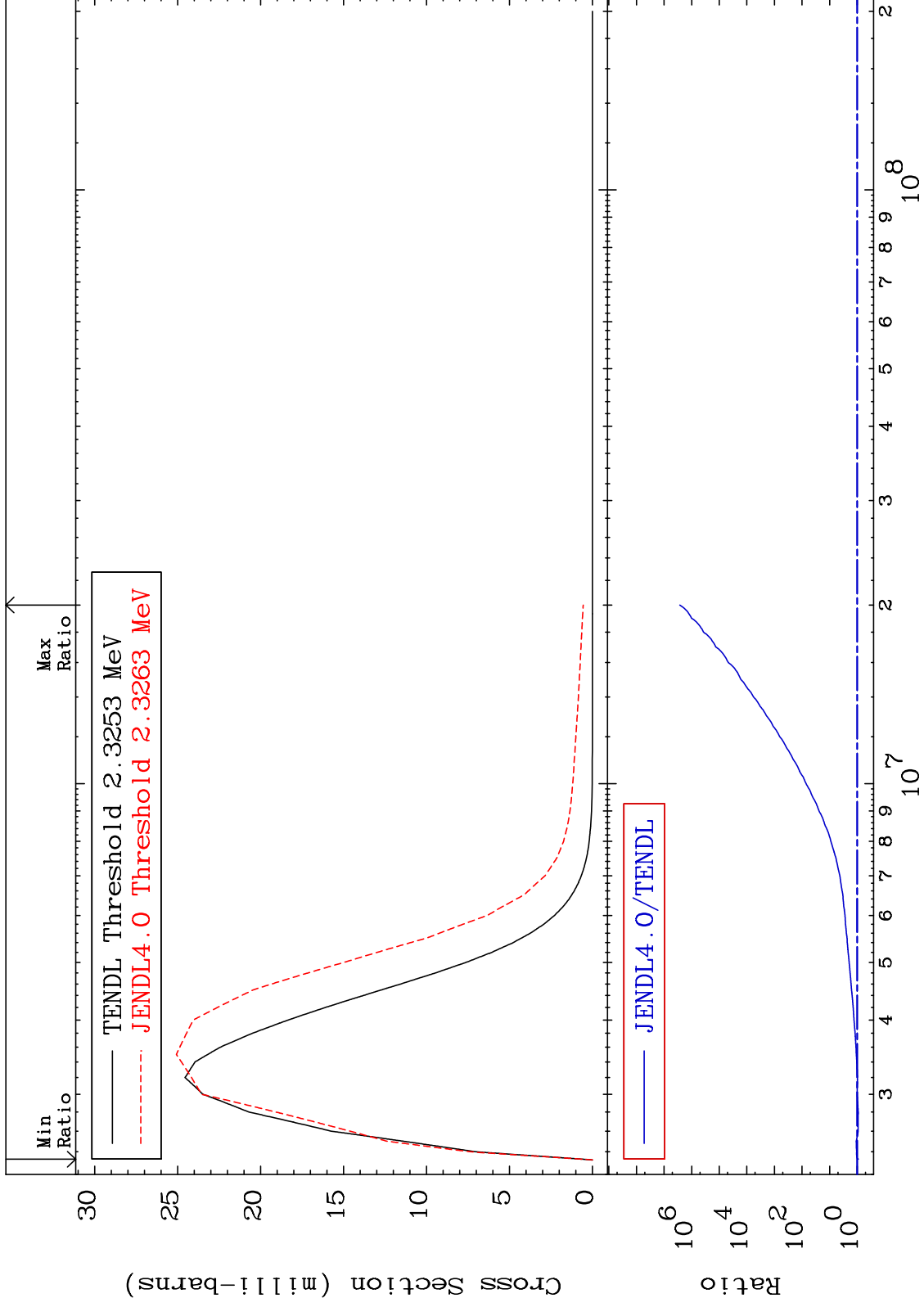
82-Pb-206  
-52.07 To 297.2 %



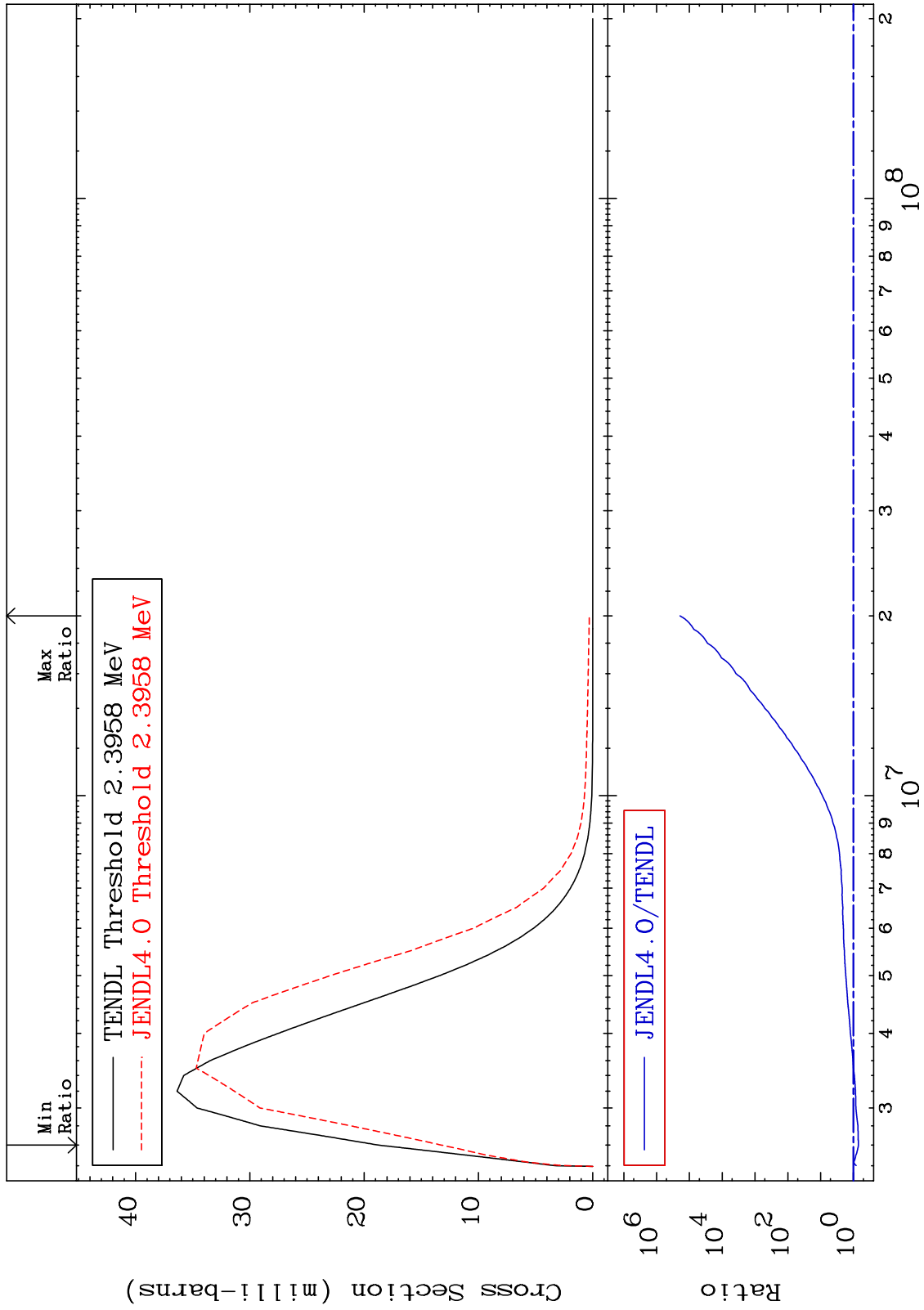
MAT 8231

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

82-Pb-206  
-8.973 To 9999. %



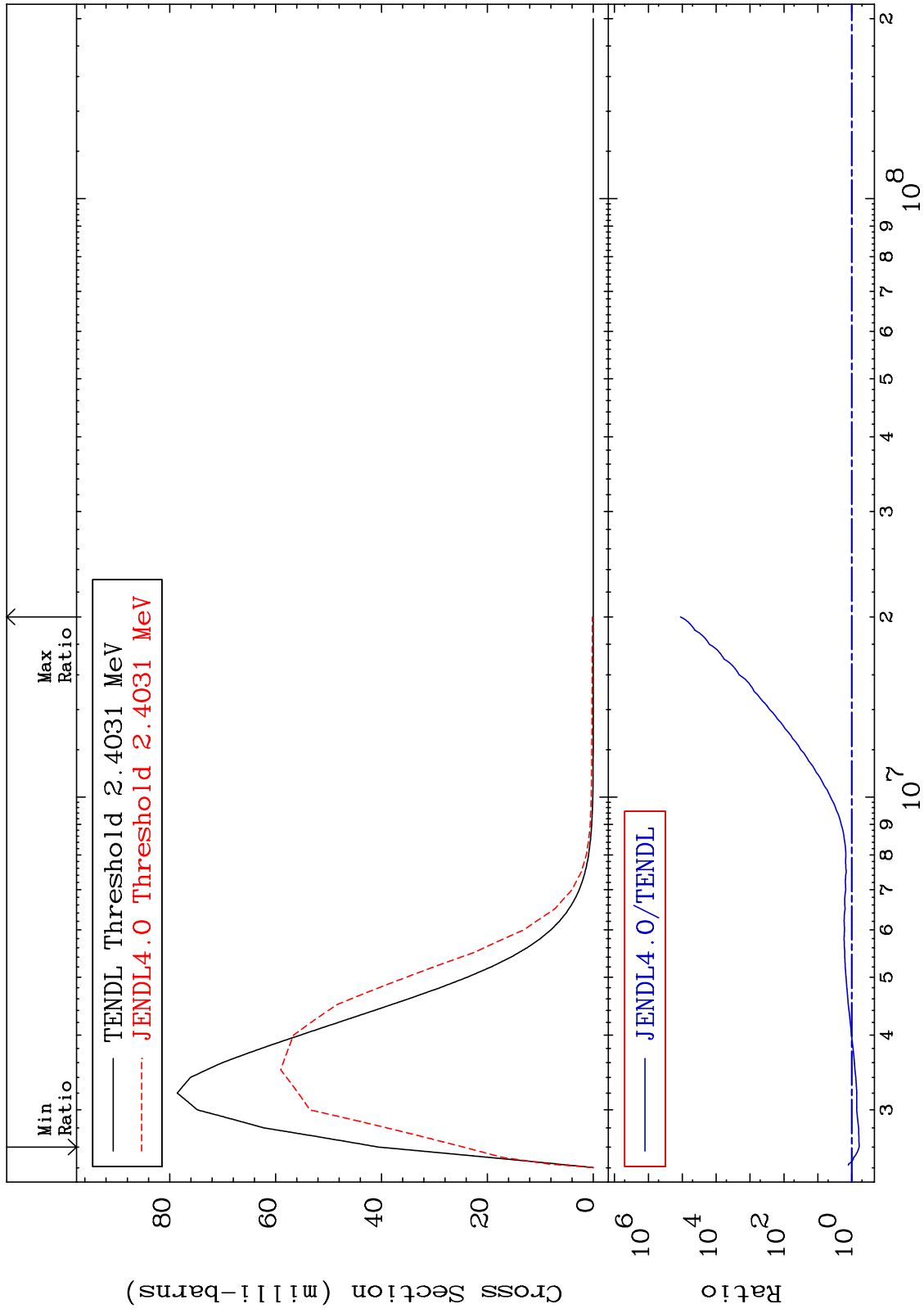
MAT 8231 MT= 64 (n,n') Level Cross Section 82-Pb-206  
 -29.52 To 9999. %



MAT 8231

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

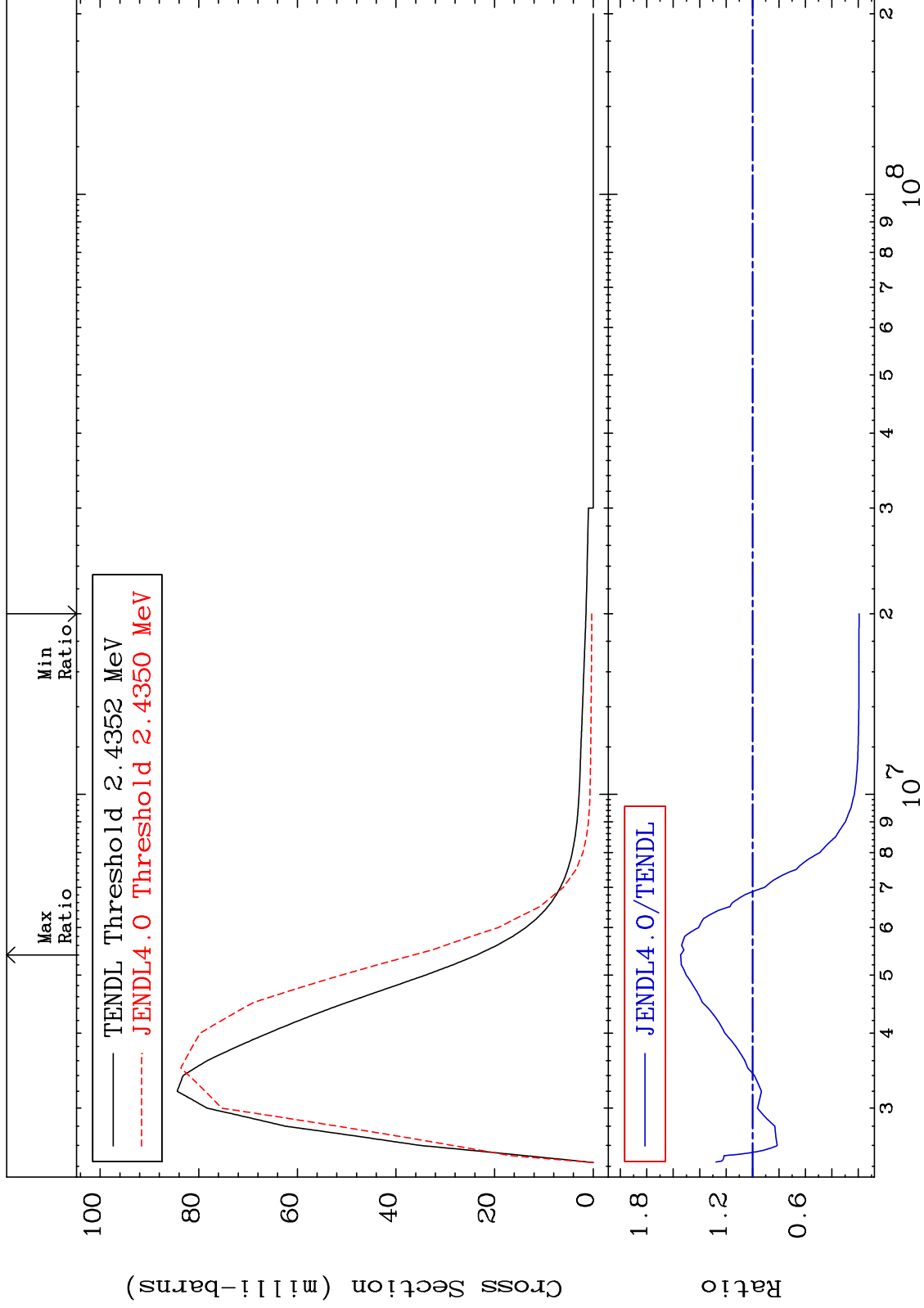
82-Pb-206  
-39.50 To 9999. %



MAT 8231

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

82-Pb-206  
-80.68 To 54.40 %

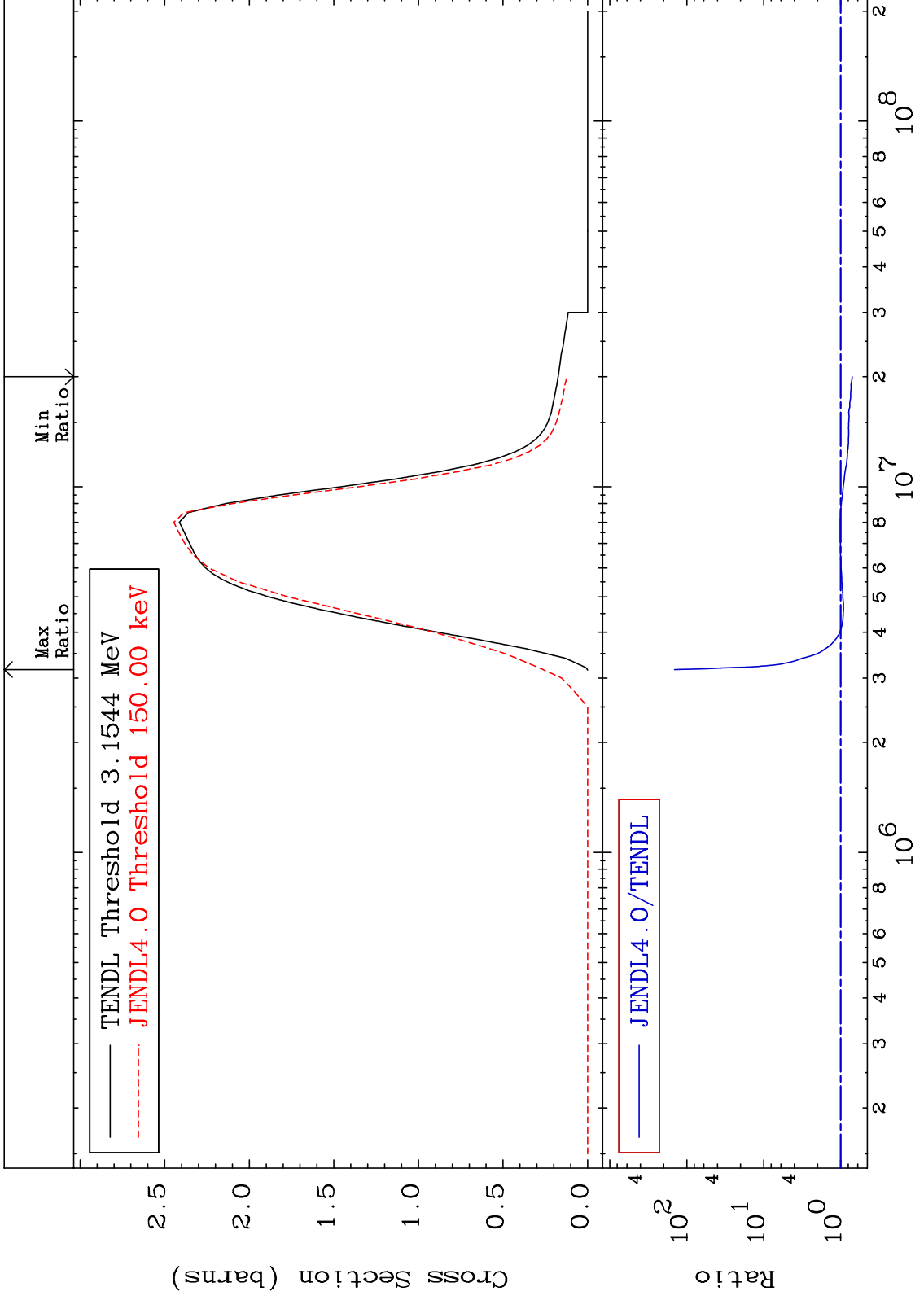




MAT 8231

(n, n') Continuum  
Cross Section

82-Pb-206  
-29.07 To 9999. %

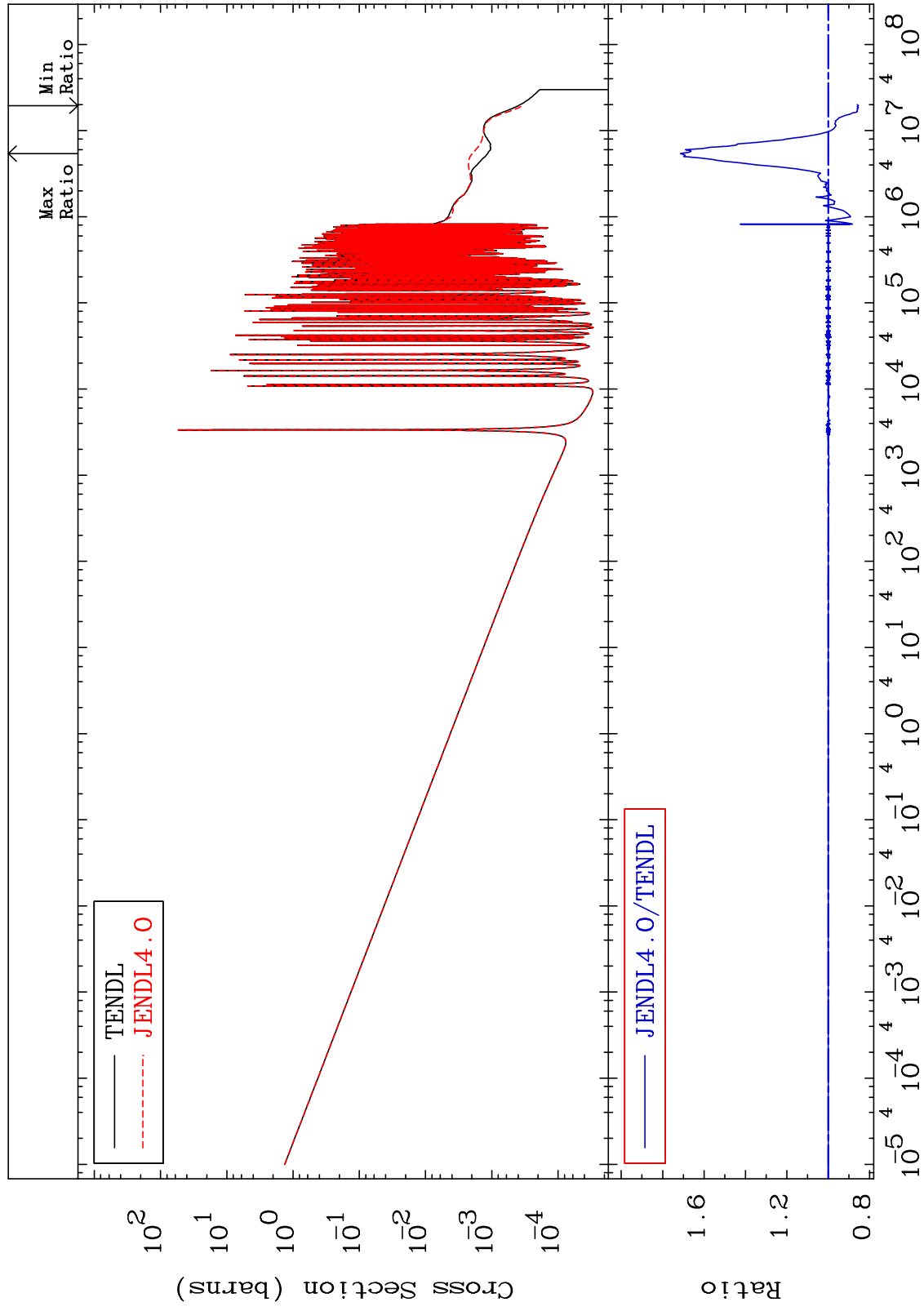


MAT 8231

(n,  $\gamma$ )  
Cross Section

82-Pb-206

-14.61 To 71.40 %



25

Incident Energy (eV)

82-Pb-206

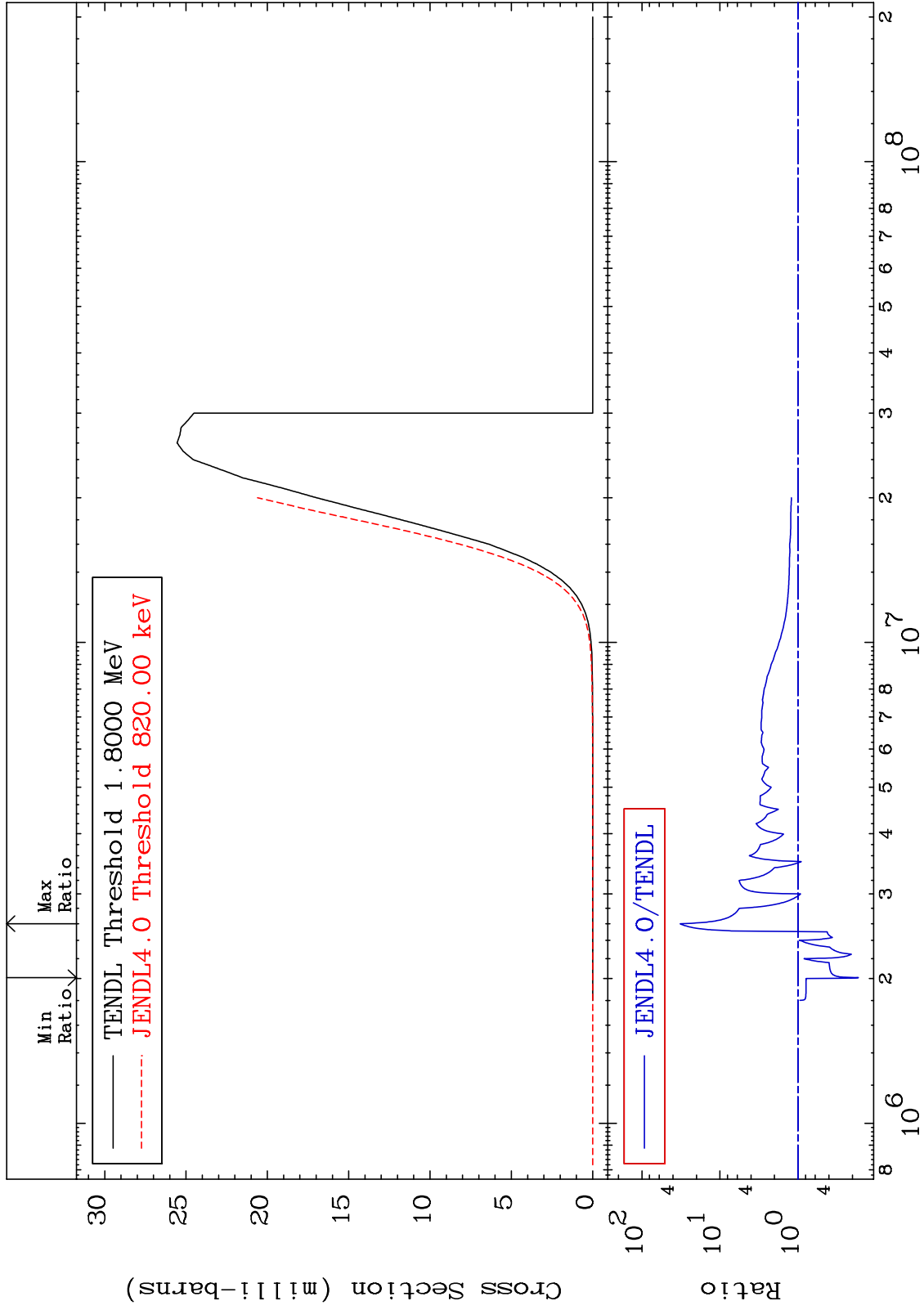
MAT 8231

(n, p)

82-Pb-206

Cross Section

-83.22 To 3151. %



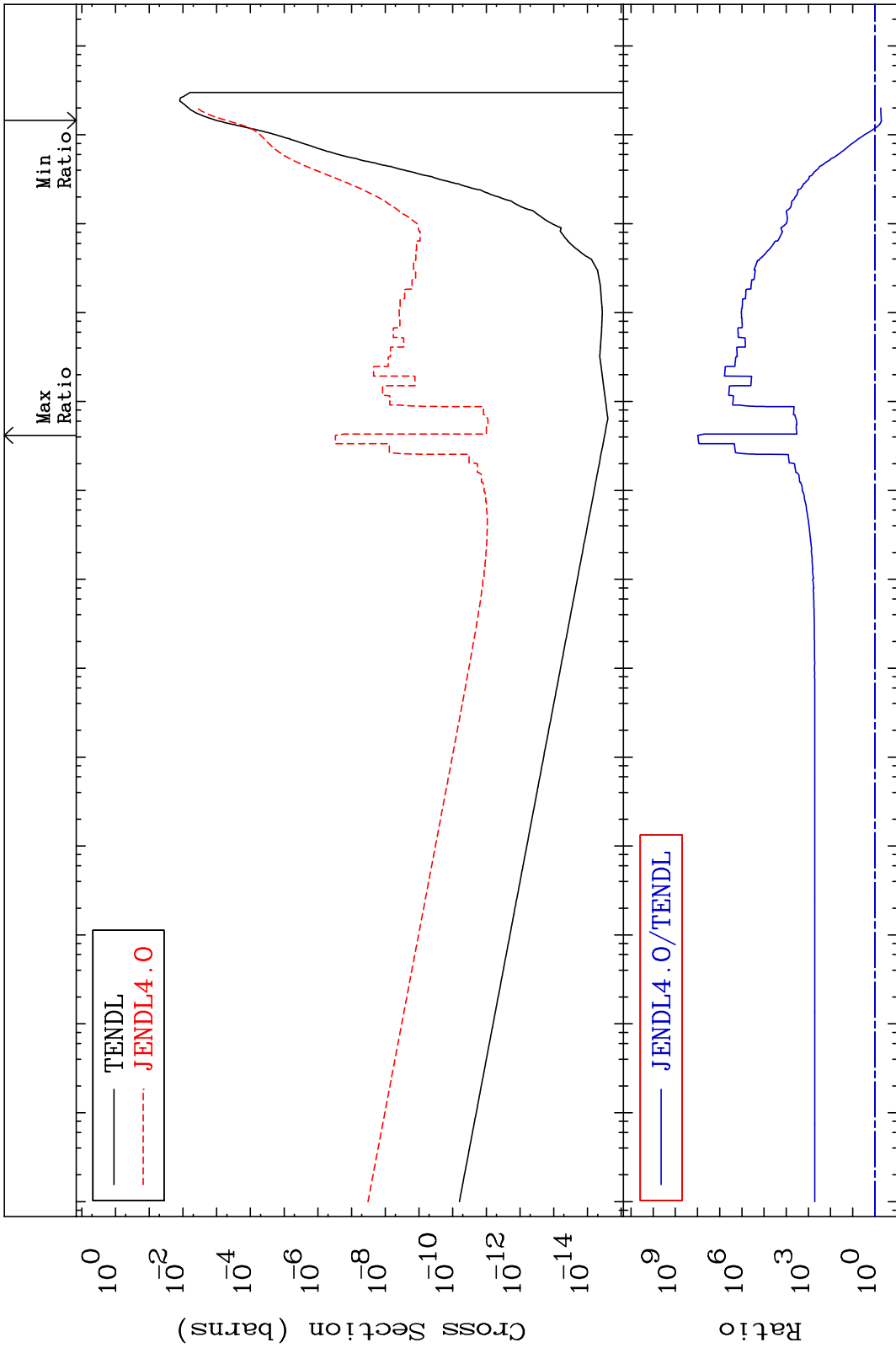
MAT 8231

(n,  $\alpha$ )

82-Pb-206

Cross Section

-49.70 To 9999. %



27

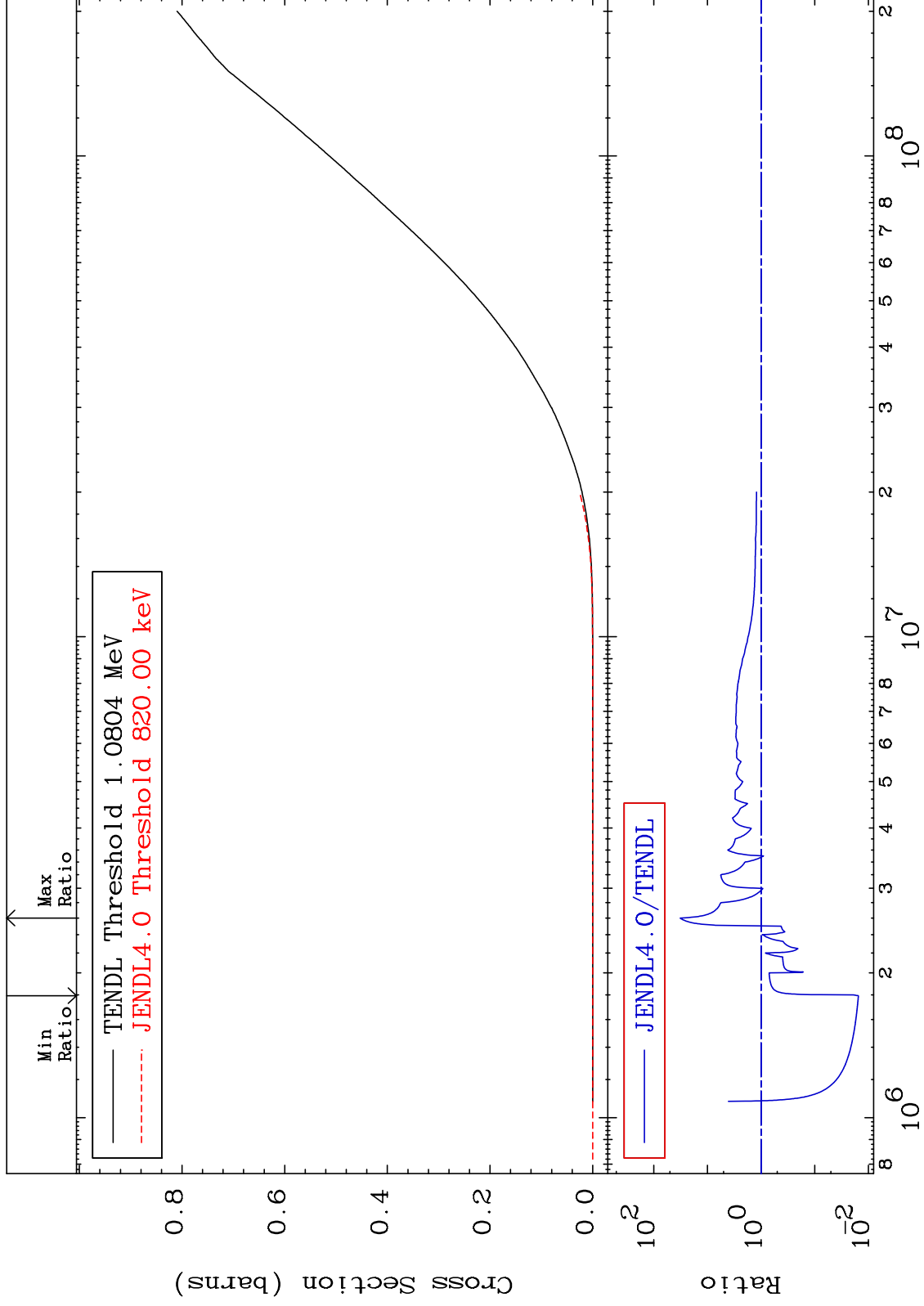
Incident Energy (eV)

82-Pb-206

MAT 8231

Hydrogen Production  
Cross Section

82-Pb-206  
-98.46 To 3151. %



28

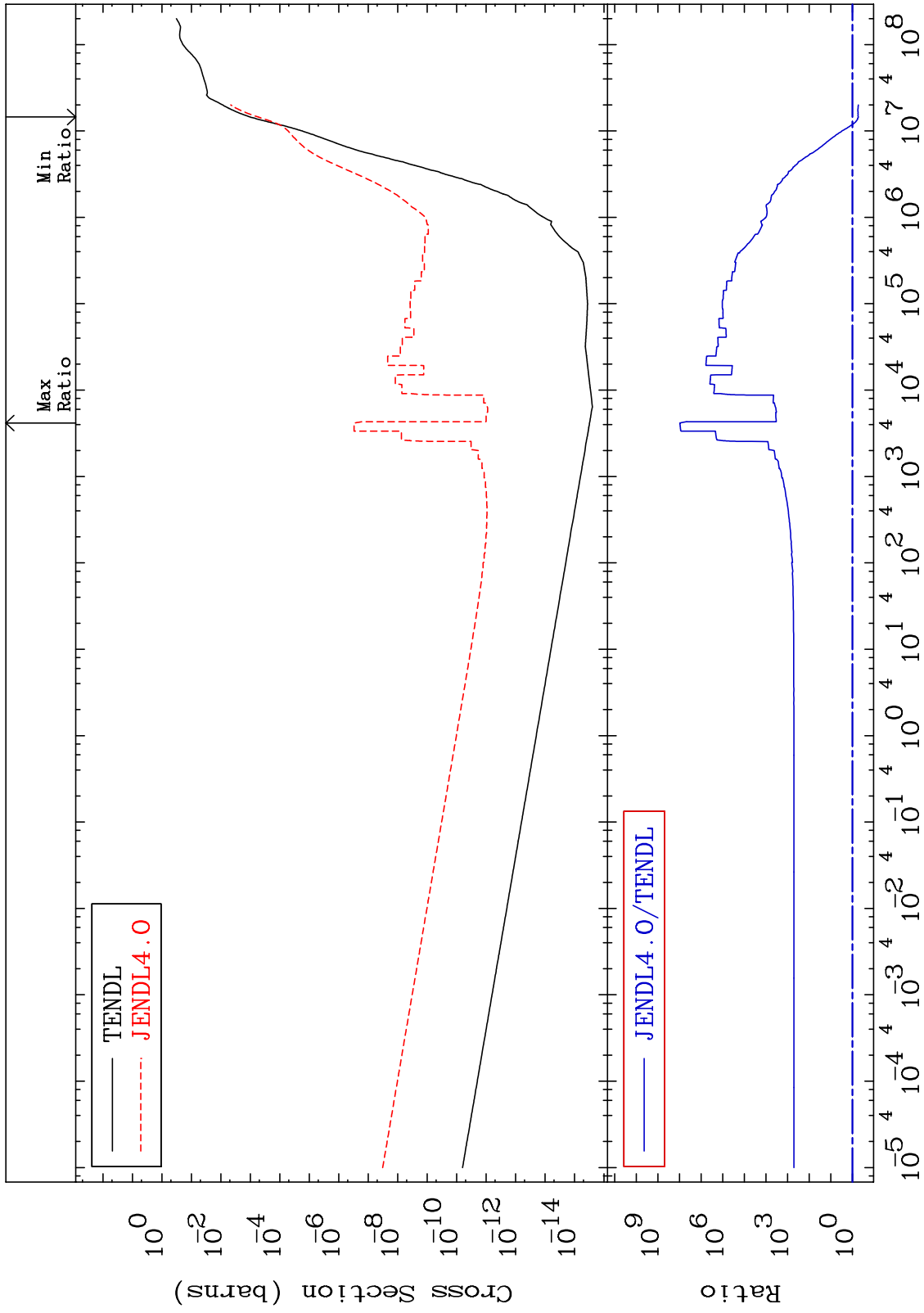
Incident Energy (eV)

82-Pb-206

MAT 8231

He-4 Production  
Cross Section

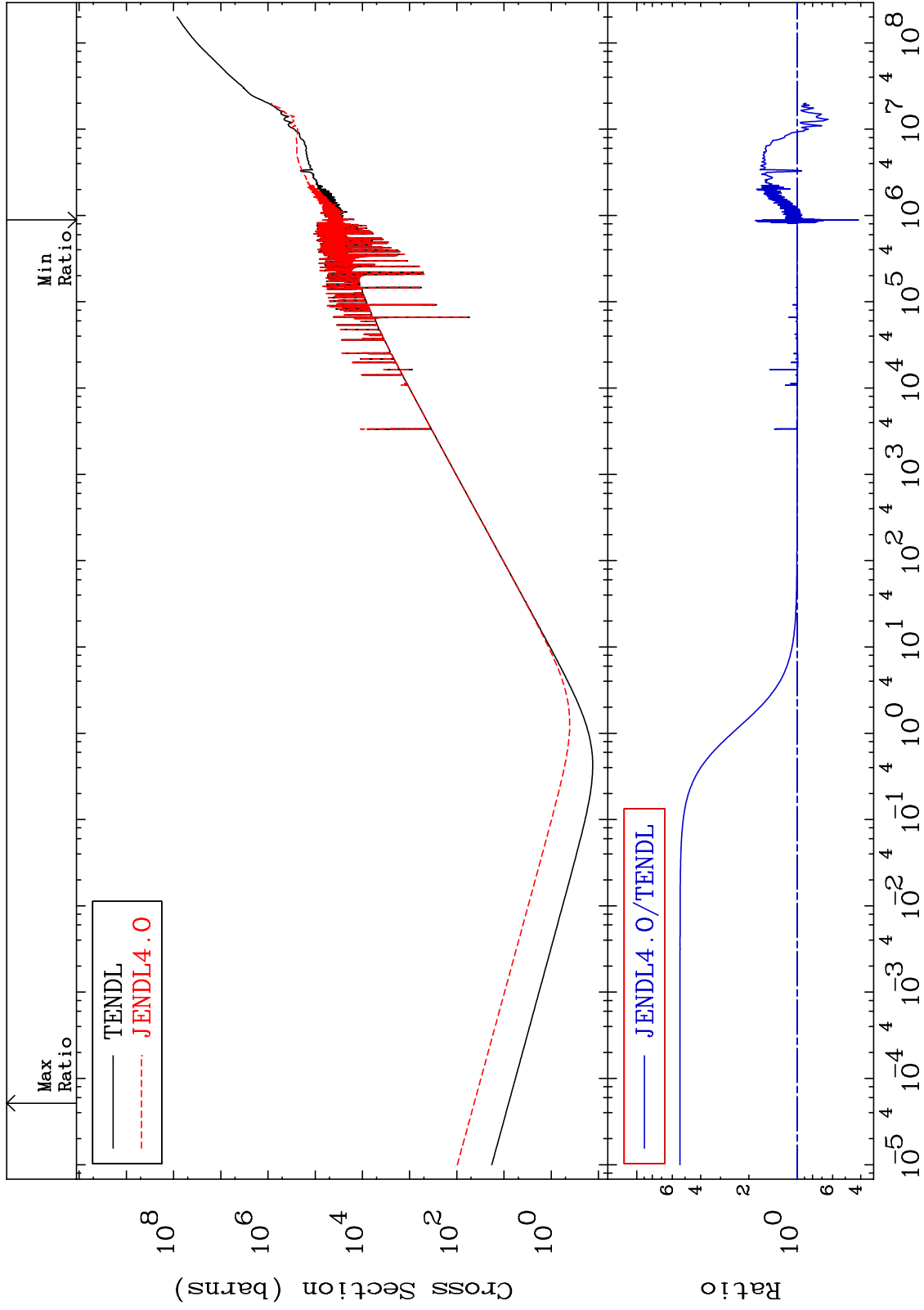
82-Pb-206  
-46.86 To 9999. %



MAT 8231

Kerma total (eV-barns)  
Cross Section

82-Pb-206  
-58.57 To 437.5 %



30

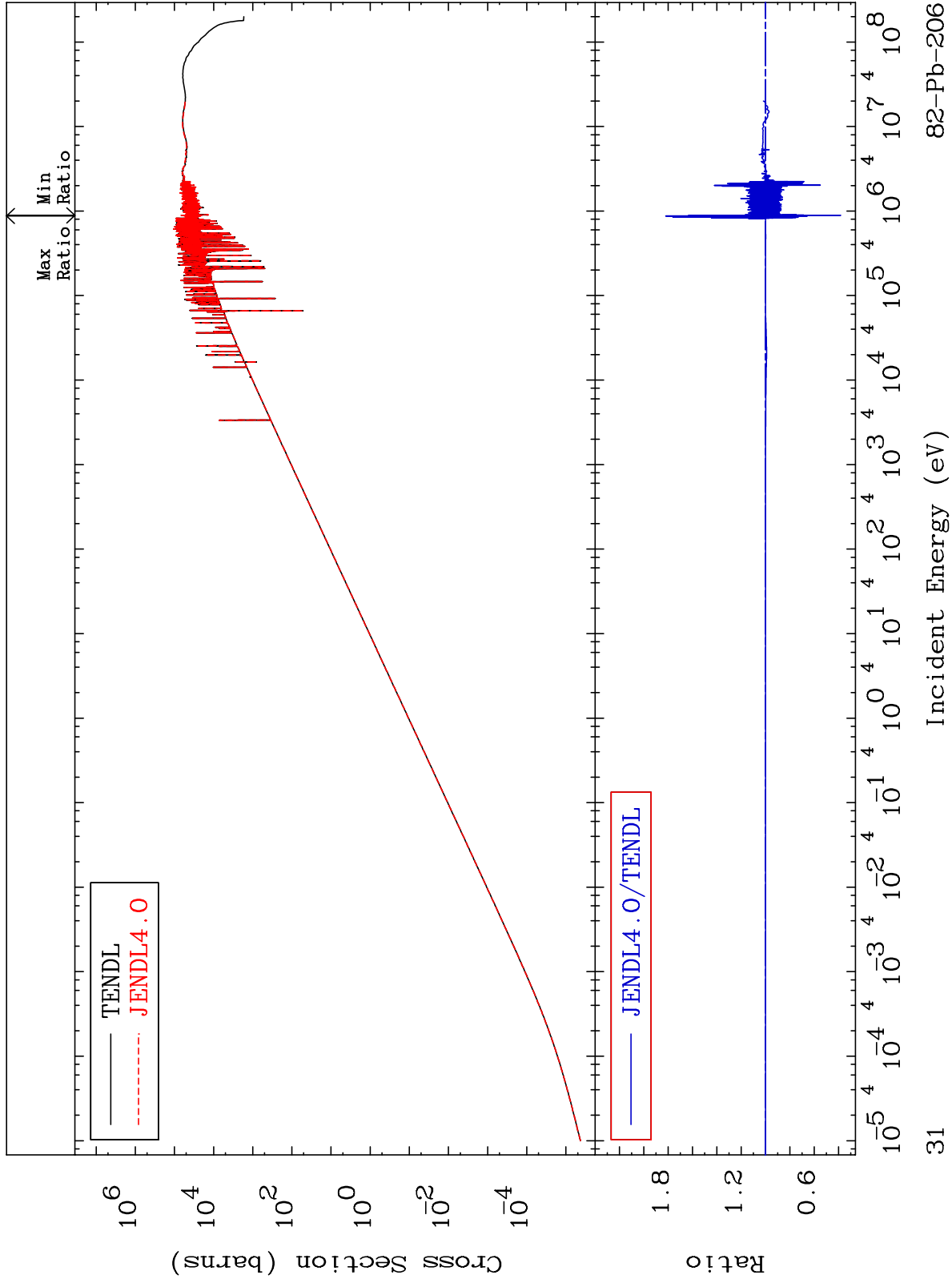
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma elastic  
Cross Section

82-Pb-206  
-61.68 To 81.91 %

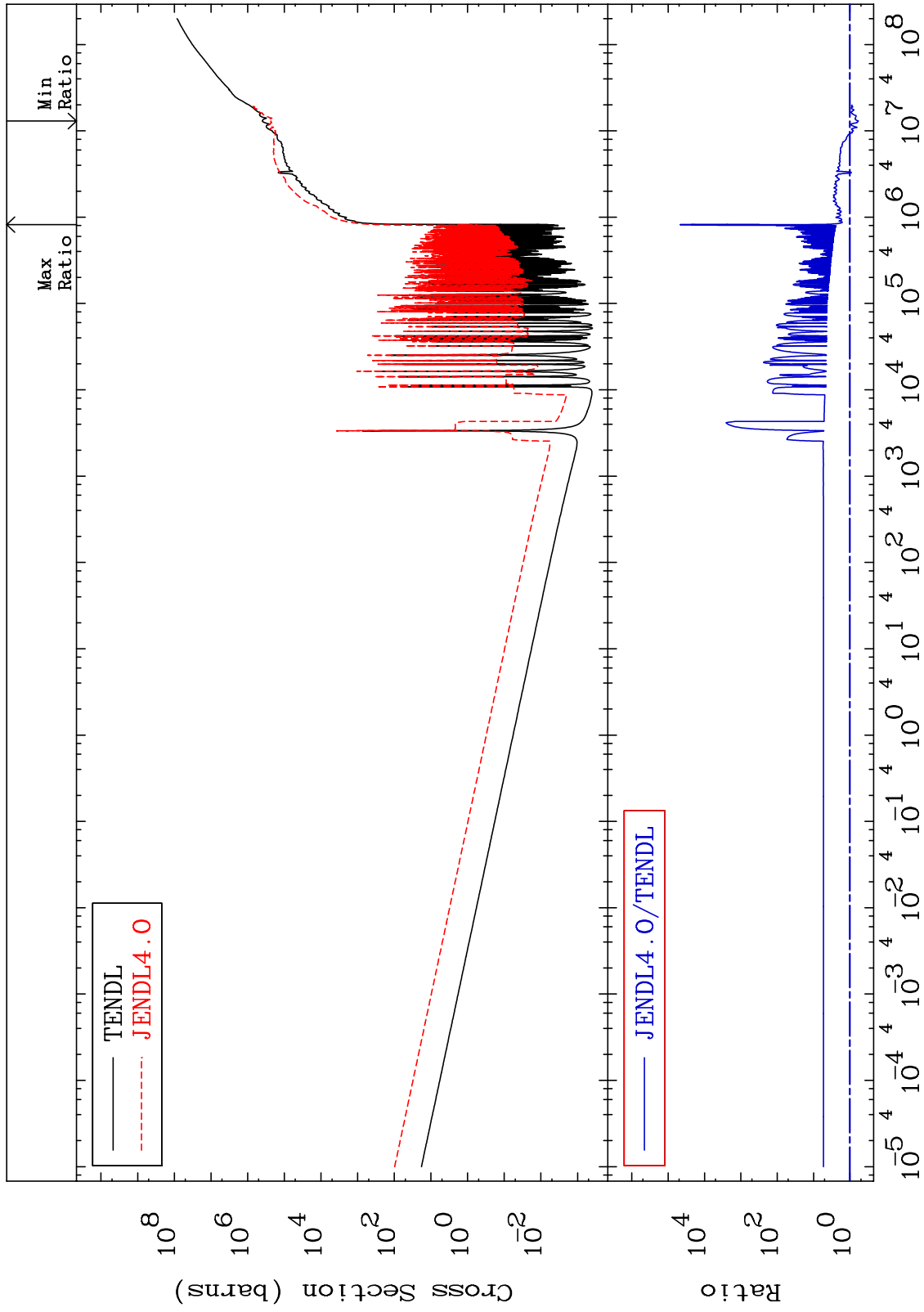




MAT 8231

Kerma non-elastic (all but mt2)  
Cross Section

82-Pb-206  
-41.47 To 9999. %



32

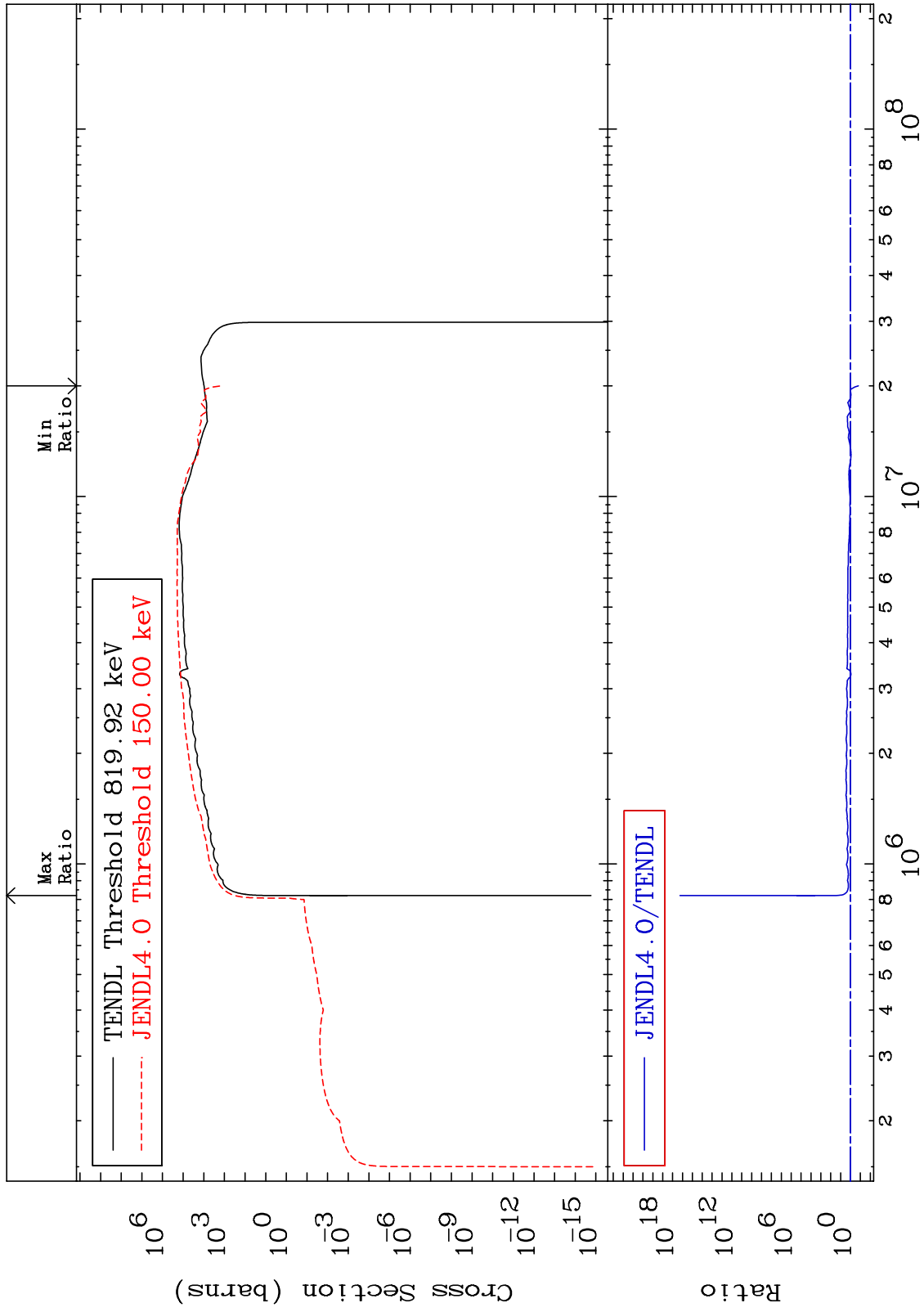
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma inelastic (mt51-91)  
Cross Section

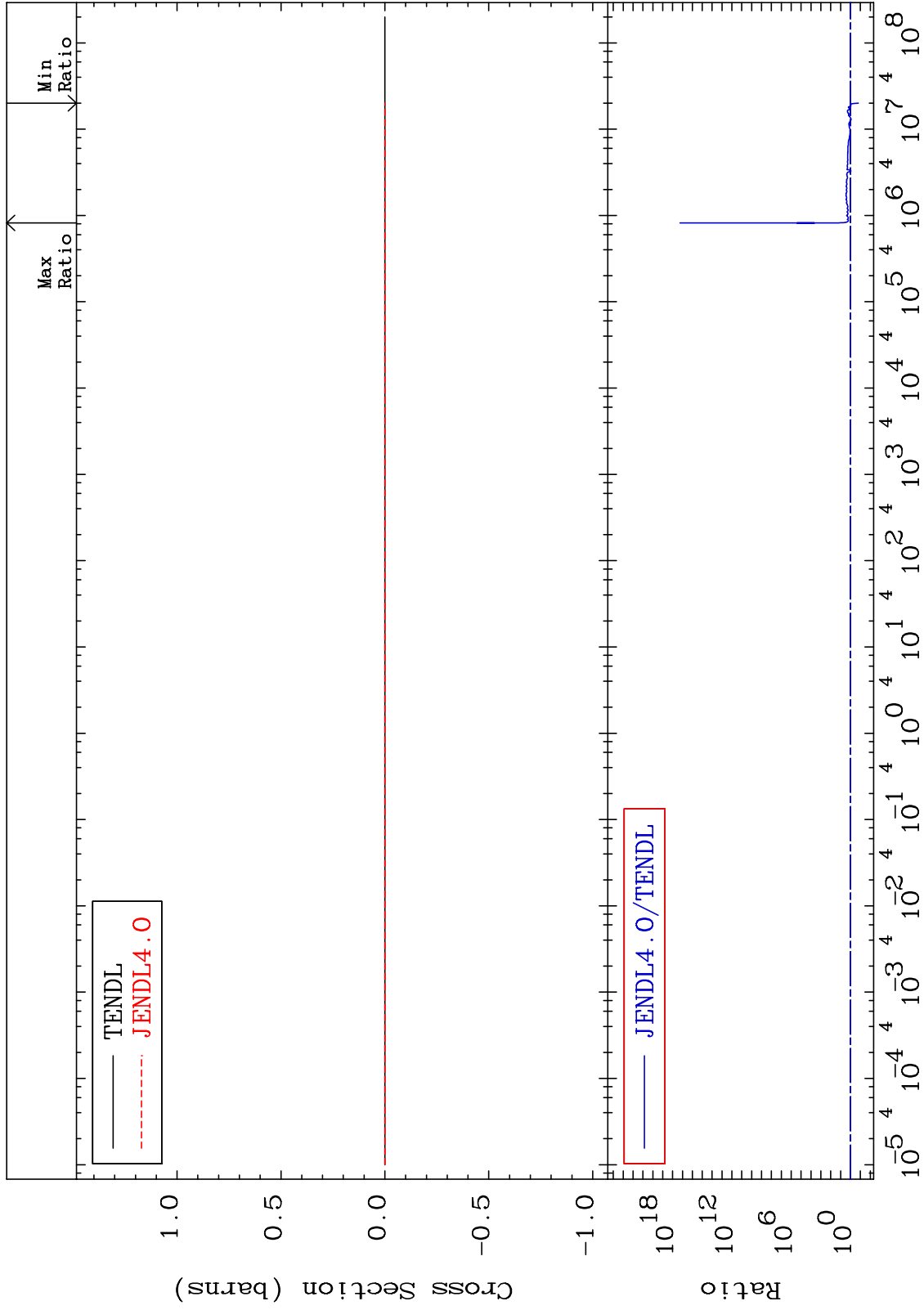
82-Pb-206  
-84.22 To 9999. %



MAT 8231

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

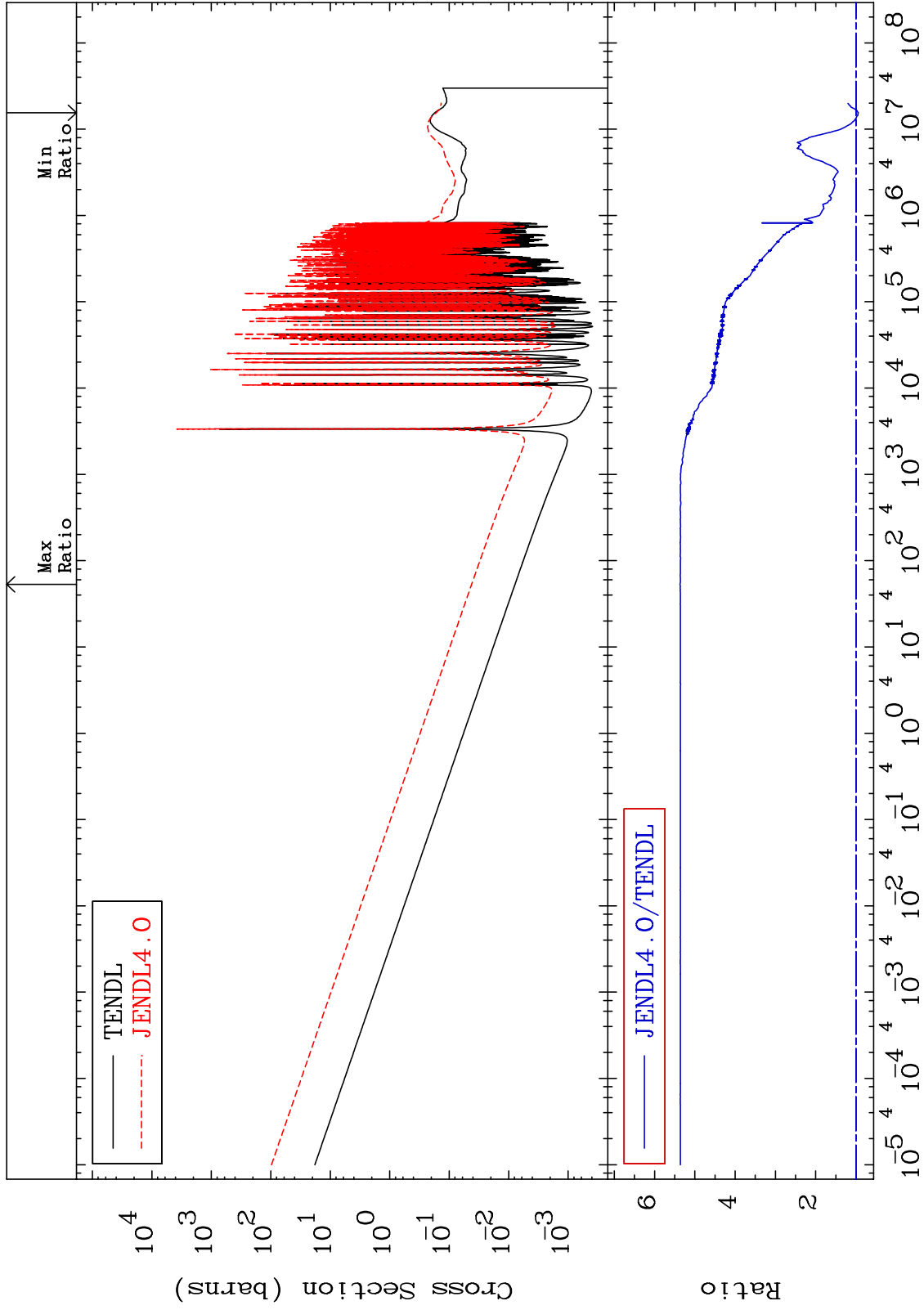
82-Pb-206  
-84.22 To 9999. %



MAT 8231

Kerma capture (mt102)  
Cross Section

82-Pb-206  
-6.059 To 436.8 %



35

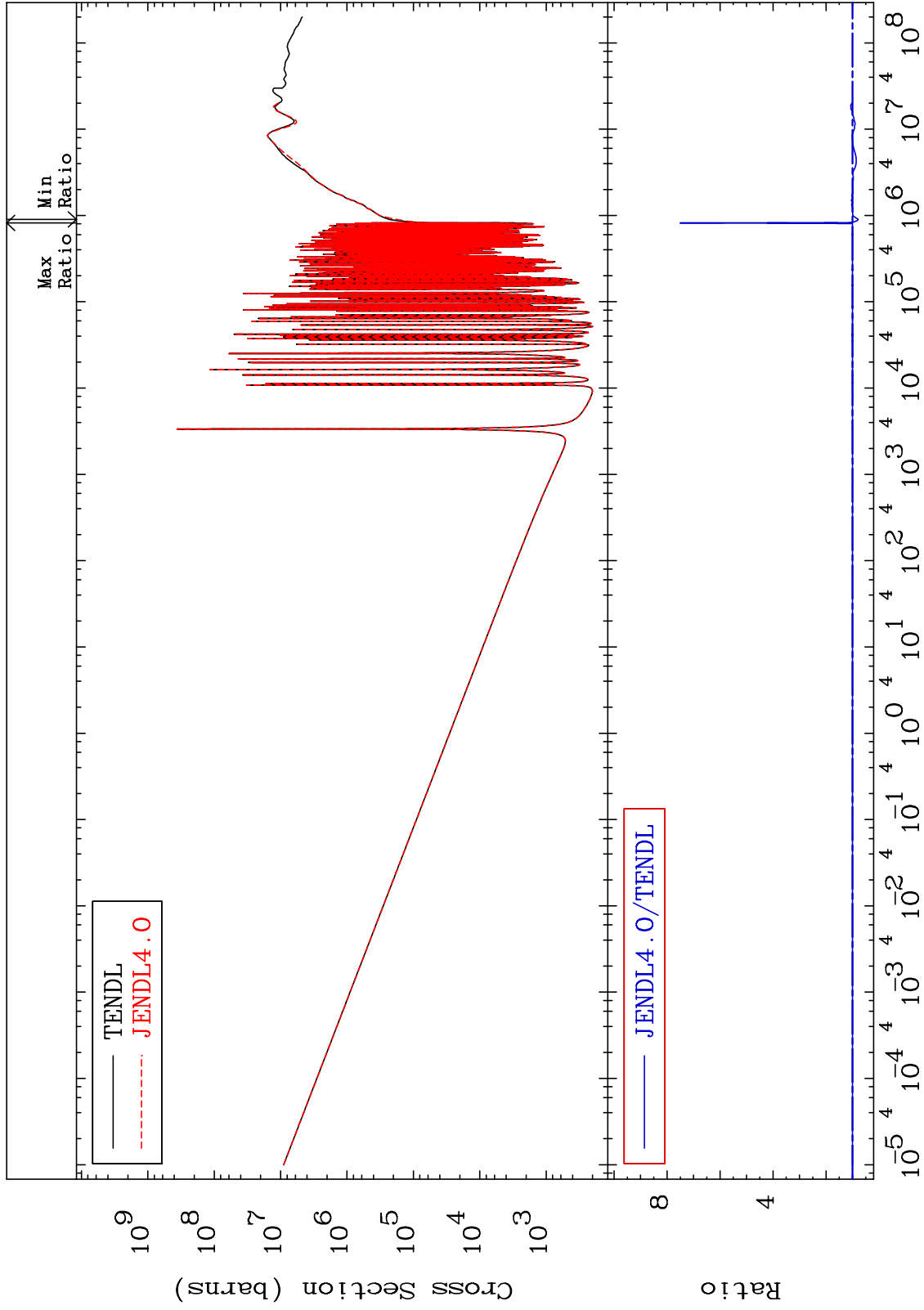
Incident Energy (eV)

82-Pb-206

MAT 8231

Total photon (eV-barns)  
Cross Section

82-Pb-206  
-22.39 To 651.0 %



36

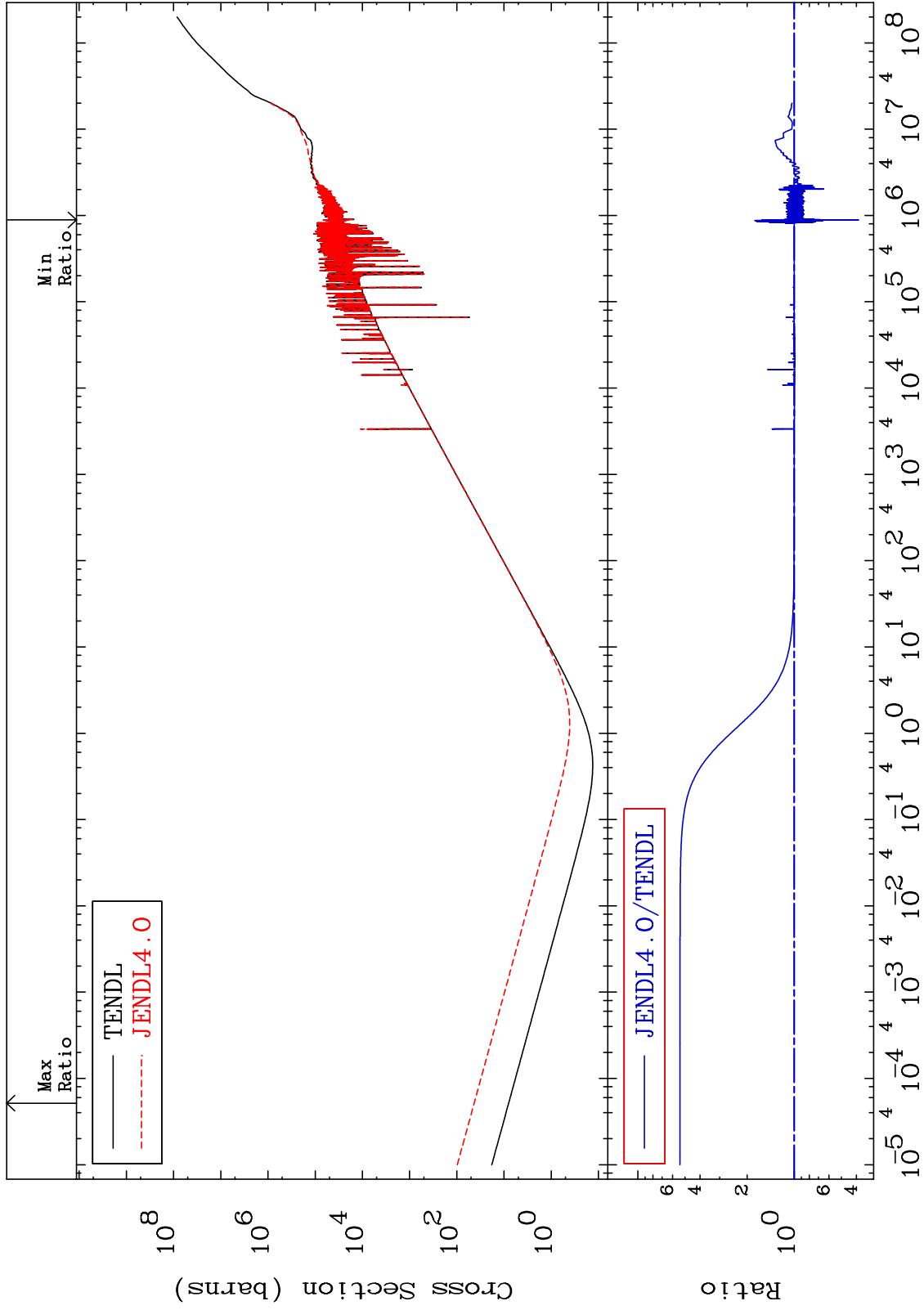
Incident Energy (eV)

82-Pb-206

MAT 8231

Total kinematic kerma (high limit)  
Cross Section

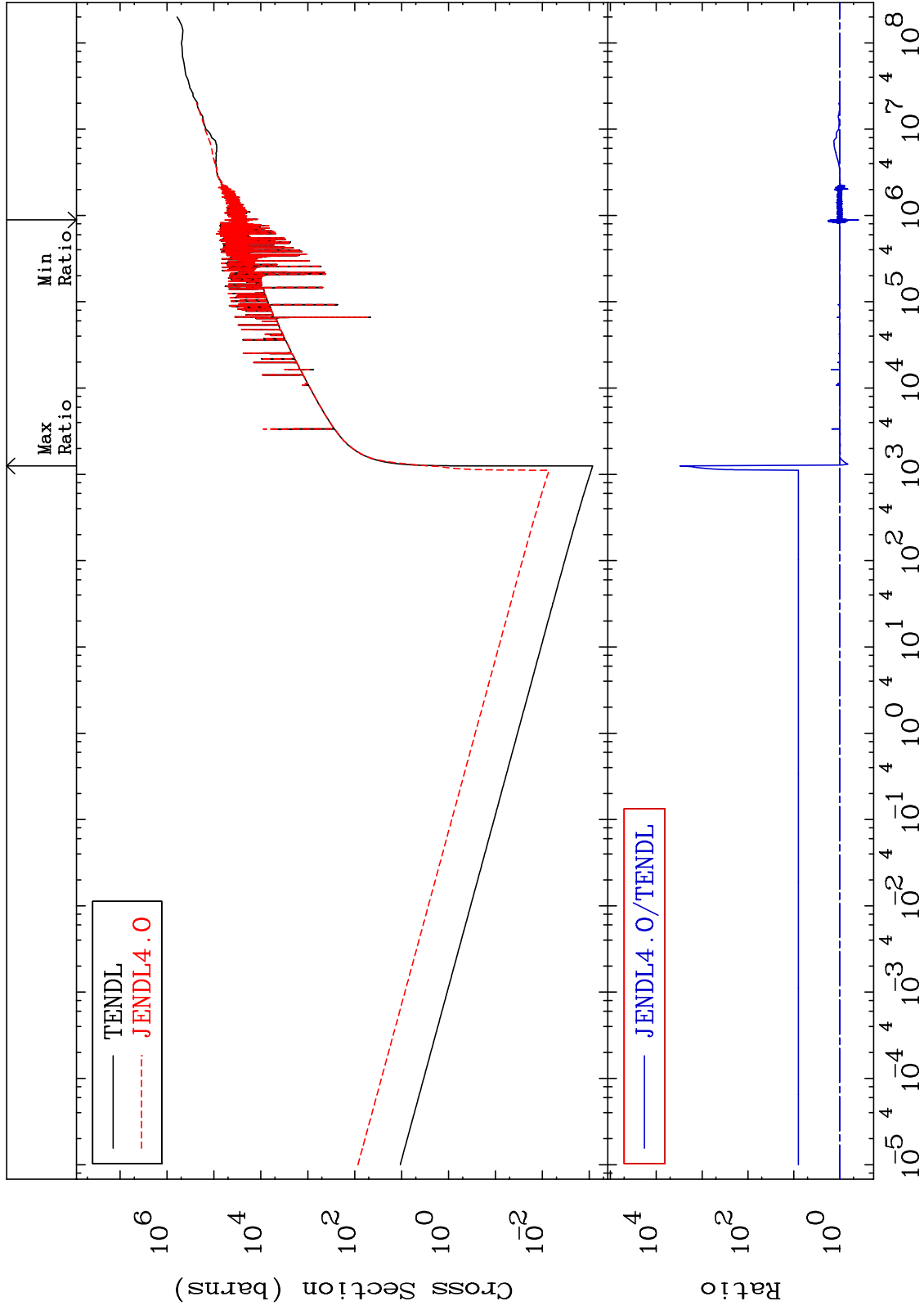
82-Pb-206  
-61.13 To 437.5 %



MAT 8231

Dpa total (eV-barns)  
Cross Section

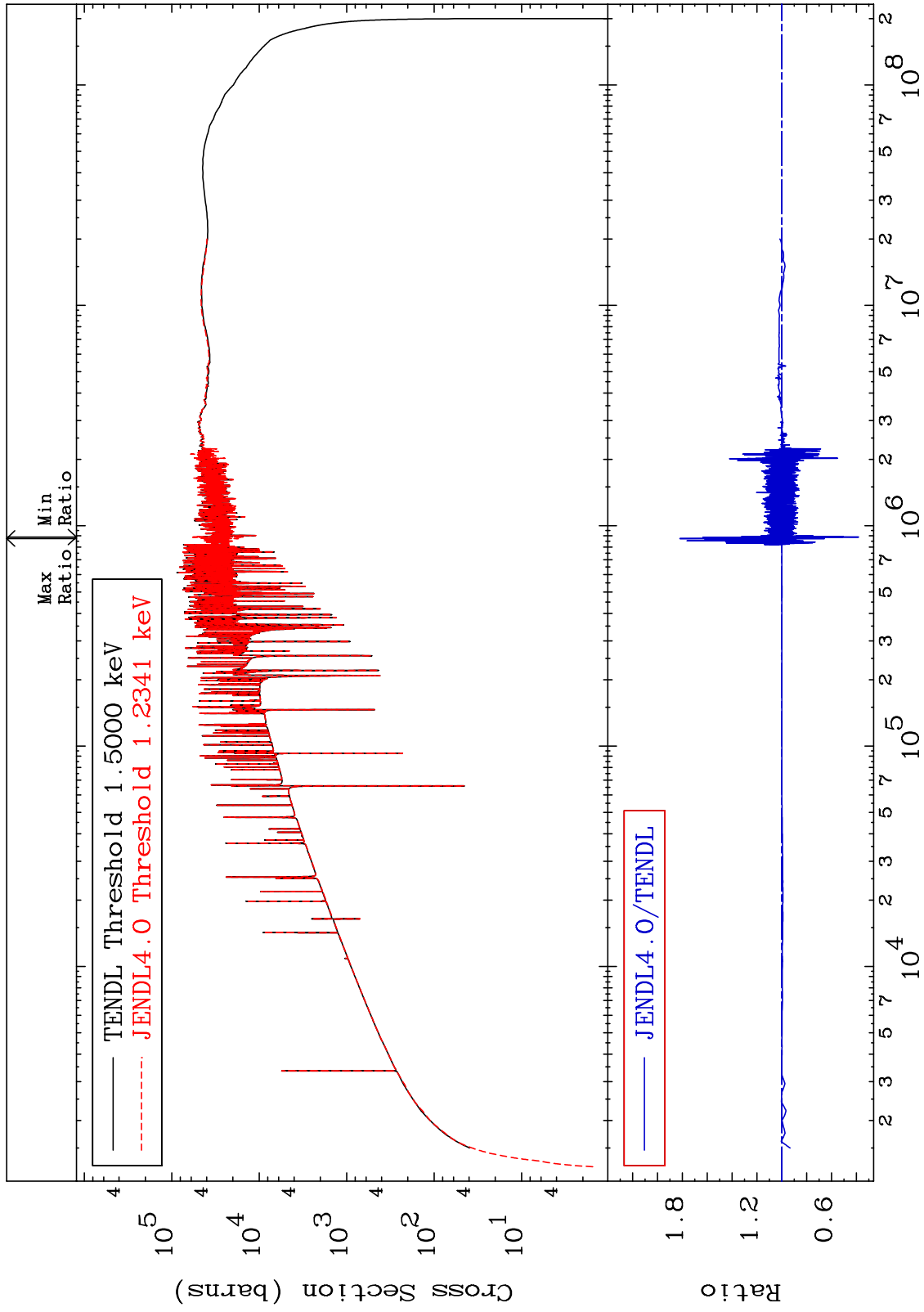
82-Pb-206  
-60.94 To 9999. %



MAT 8231

Dpa elastic (mt2)  
Cross Section

82-Pb-206  
-61.67 To 81.89 %

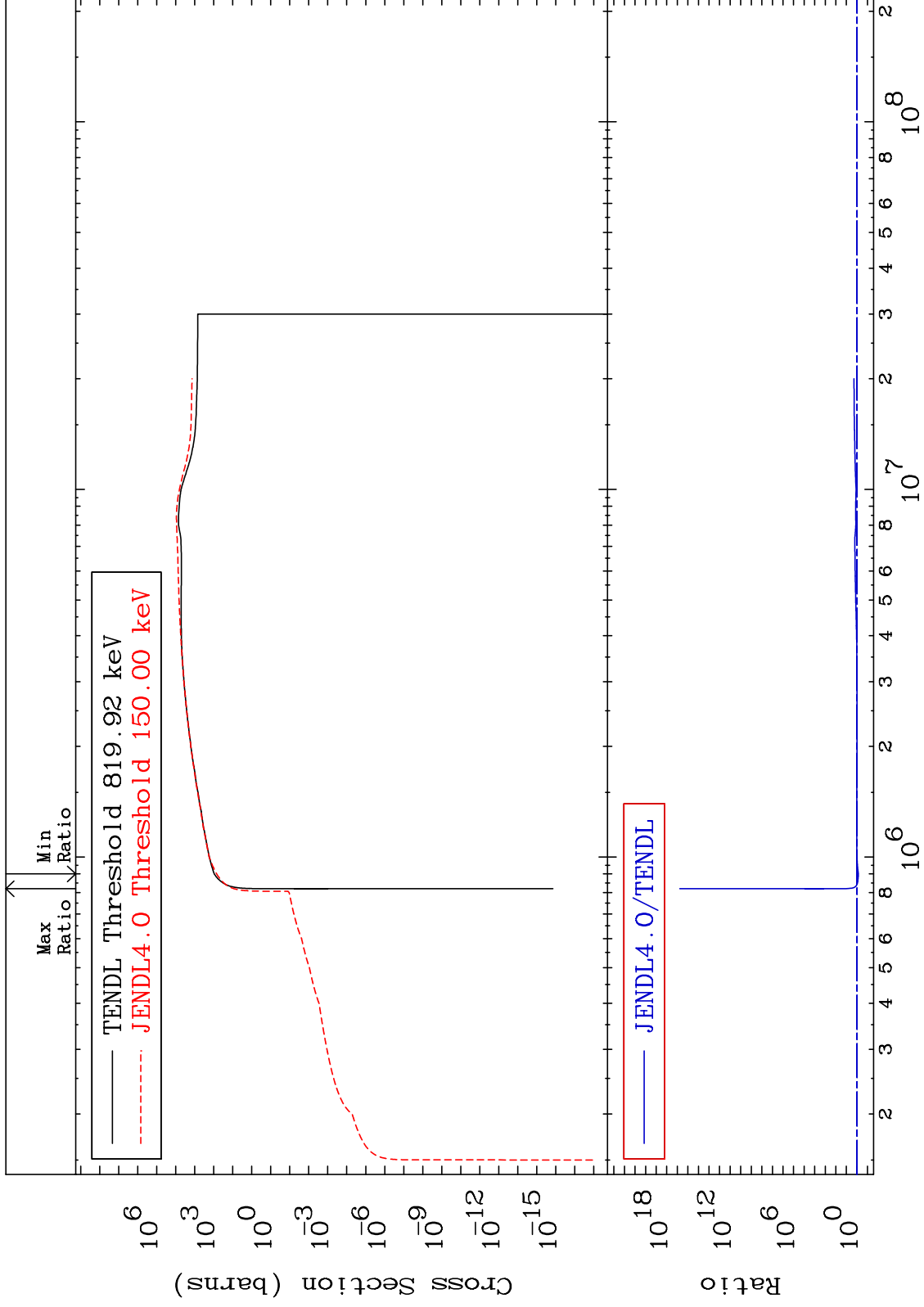




MAT 8231

Dpa inelastic (mt51-91)  
Cross Section

82-Pb-206  
-26.48 To 9999. %



40

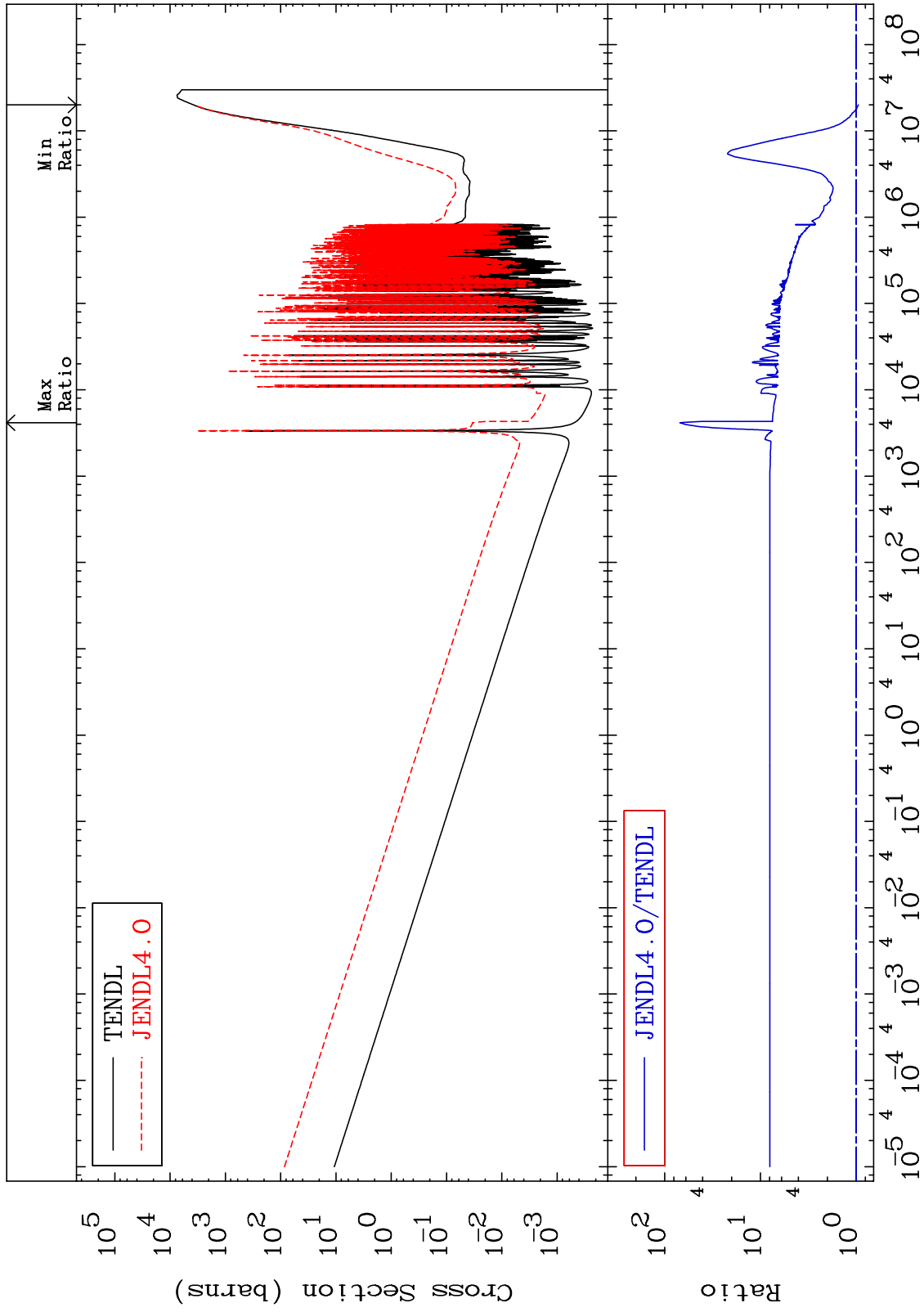
Incident Energy (eV)

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

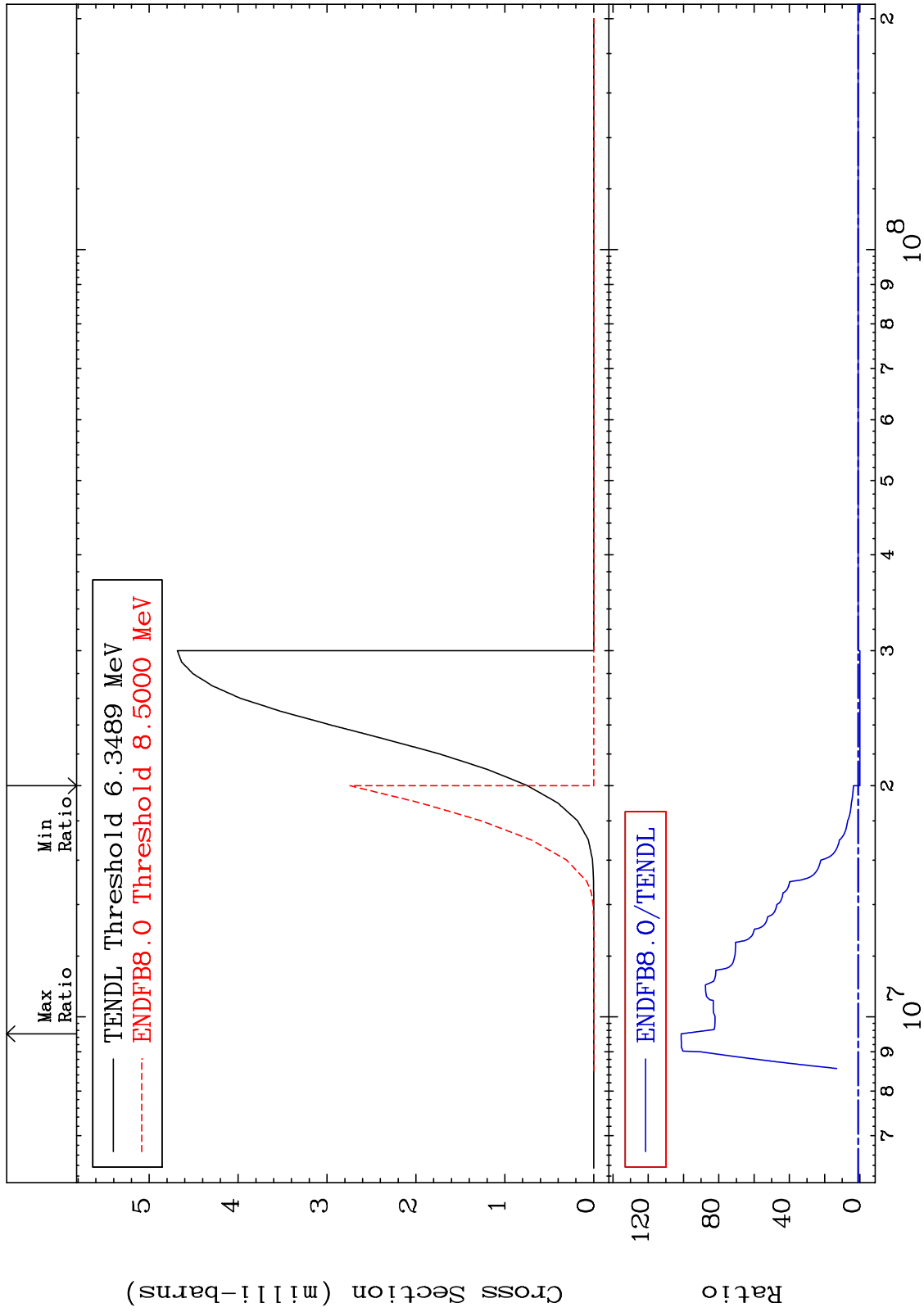
MAT 8231

(n, t)

82-Pb-206

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

82-Pb-206

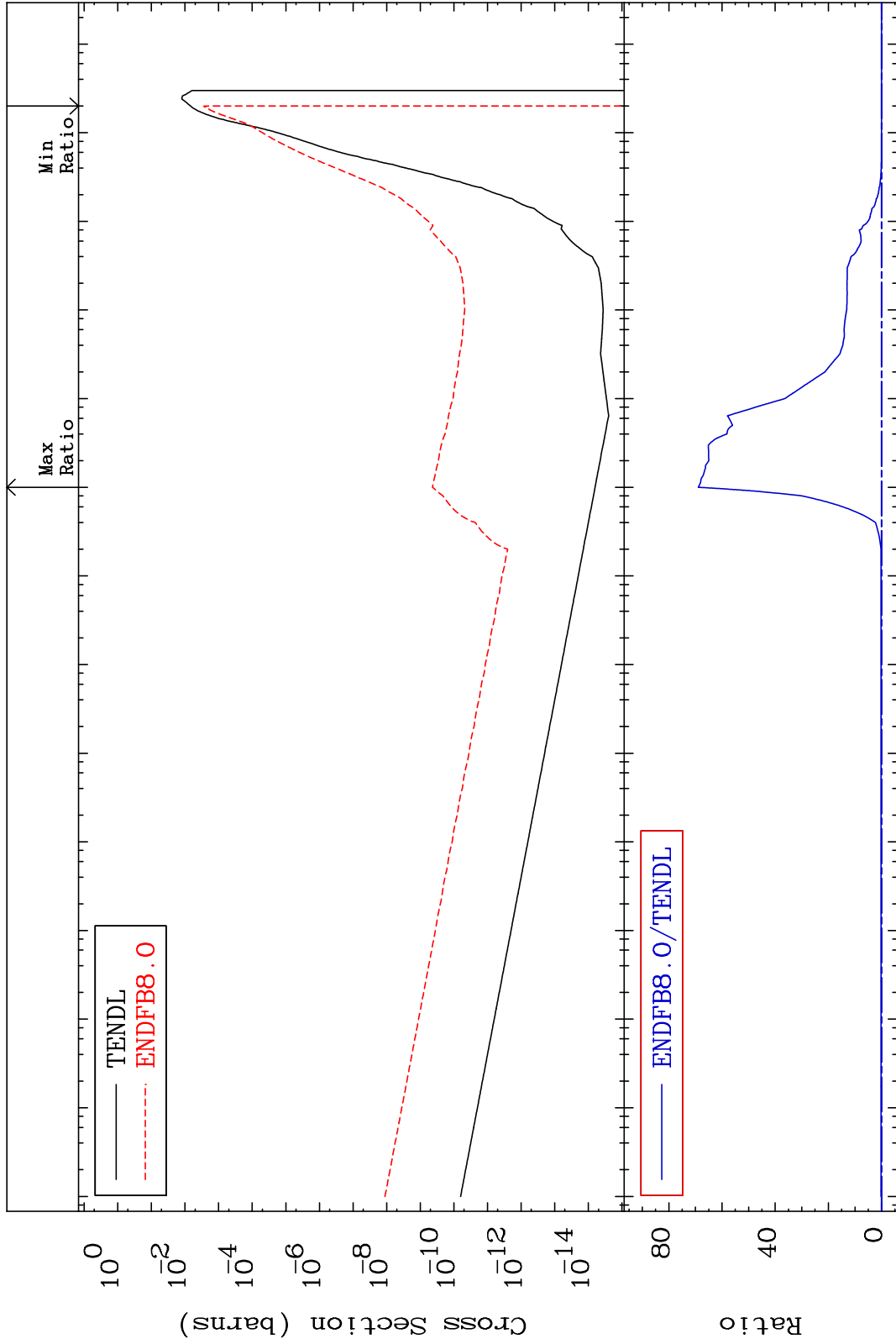
MAT 8231

(n,  $\alpha$ )

82-Pb-206

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

82-Pb-206

43

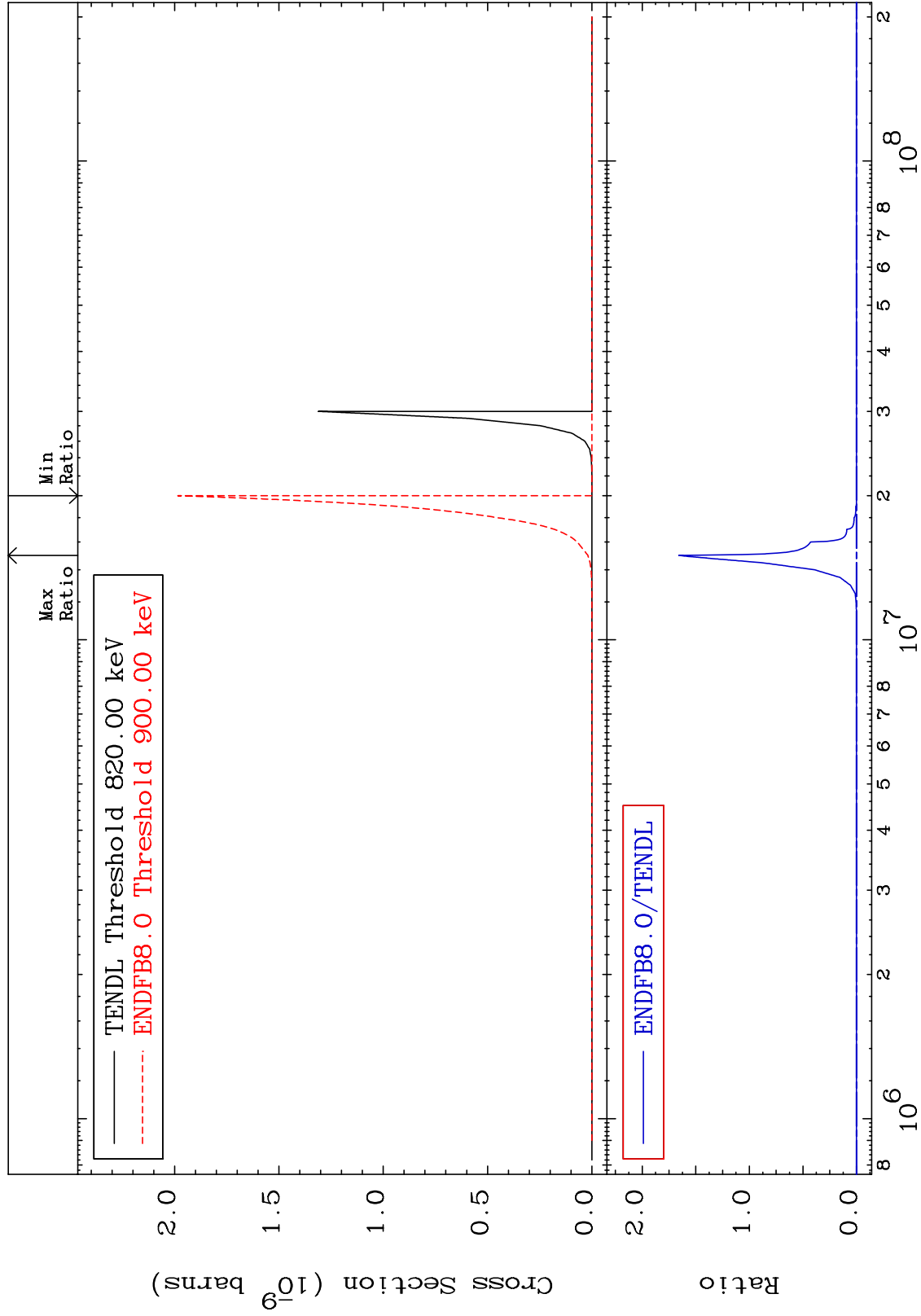
MAT 8231

(n, 2α)

82-Pb-206

Cross Section

-100.0 To 9999. %



44

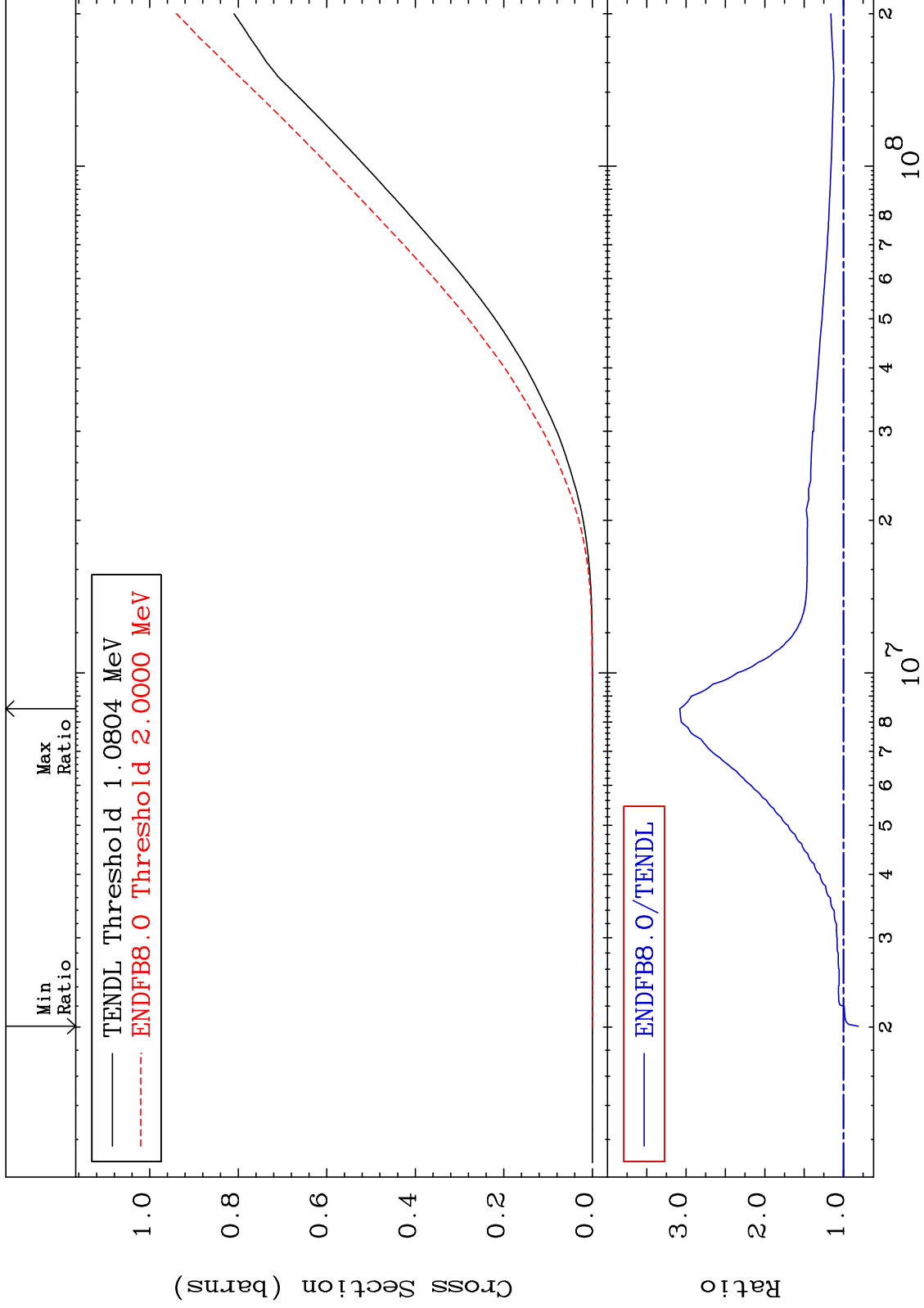
Incident Energy (eV)

82-Pb-206

MAT 8231

Hydrogen Production  
Cross Section

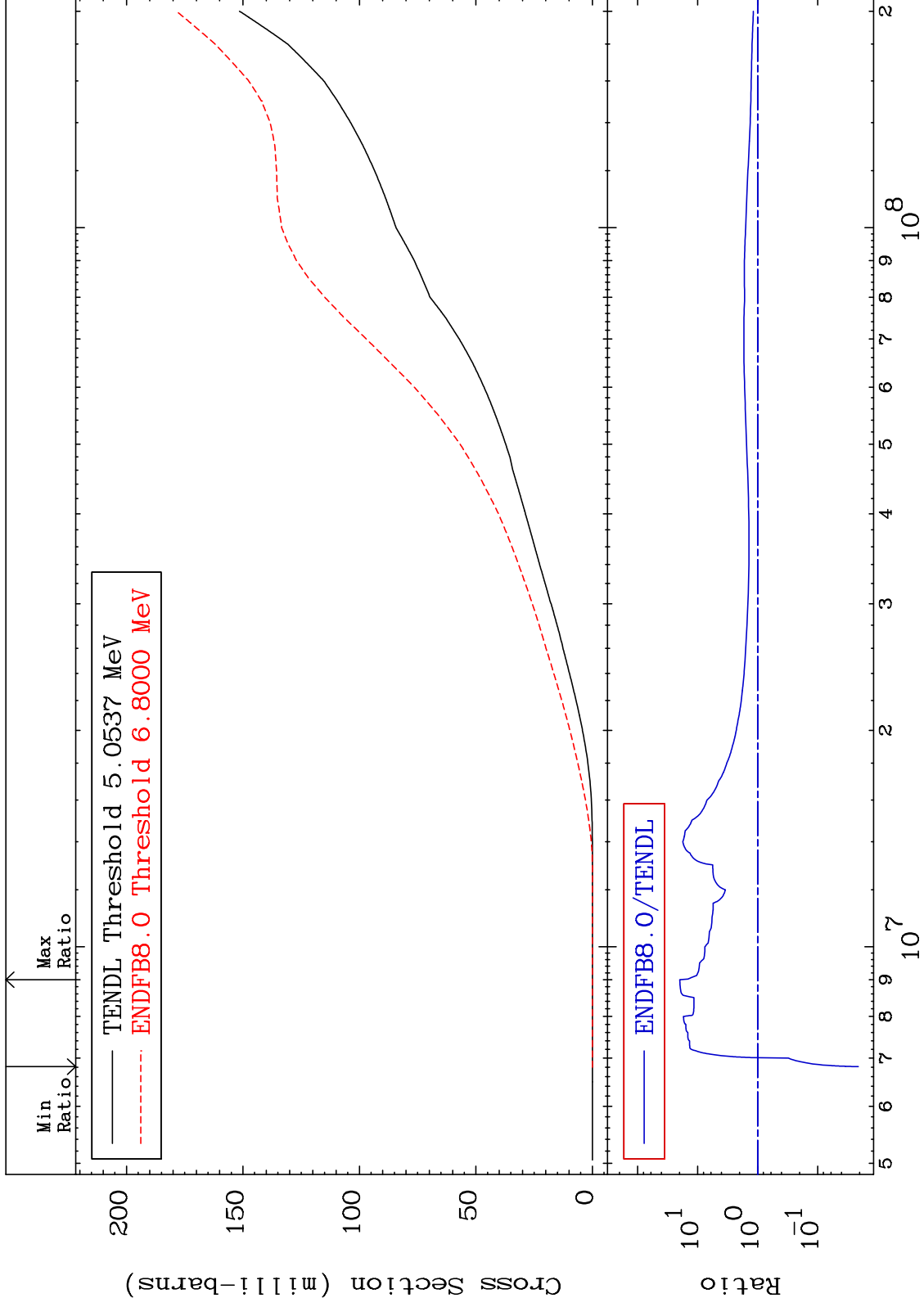
82-Pb-206  
-18.88 To 208.0 %



MAT 8231

Deuterium Production  
Cross Section

82-Pb-206  
-97.90 To 1881. %



46

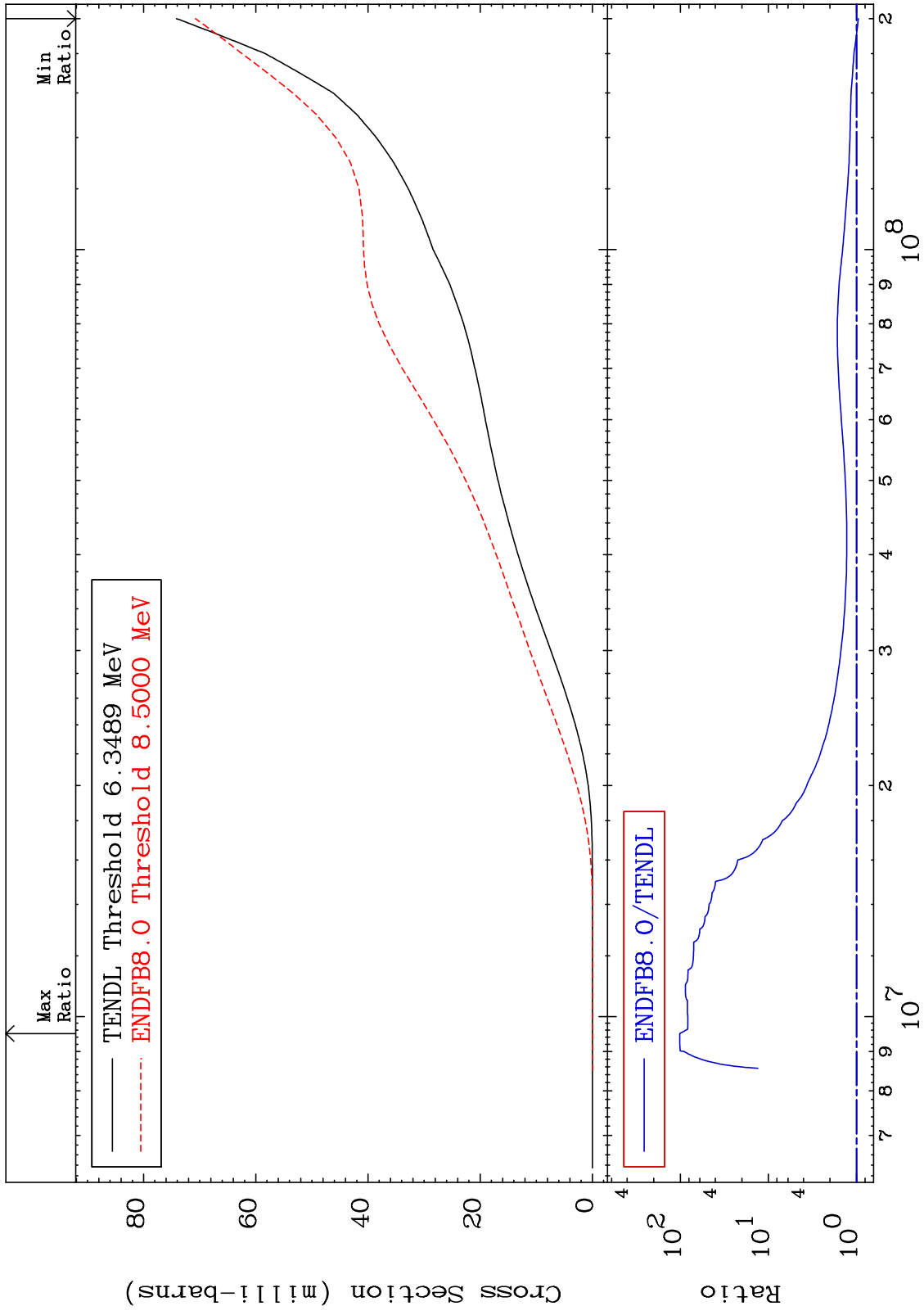
Incident Energy (eV)

82-Pb-206

MAT 8231

Tritium Production  
Cross Section

82-Pb-206  
-4.584 To 9999. %



47

Incident Energy (eV)

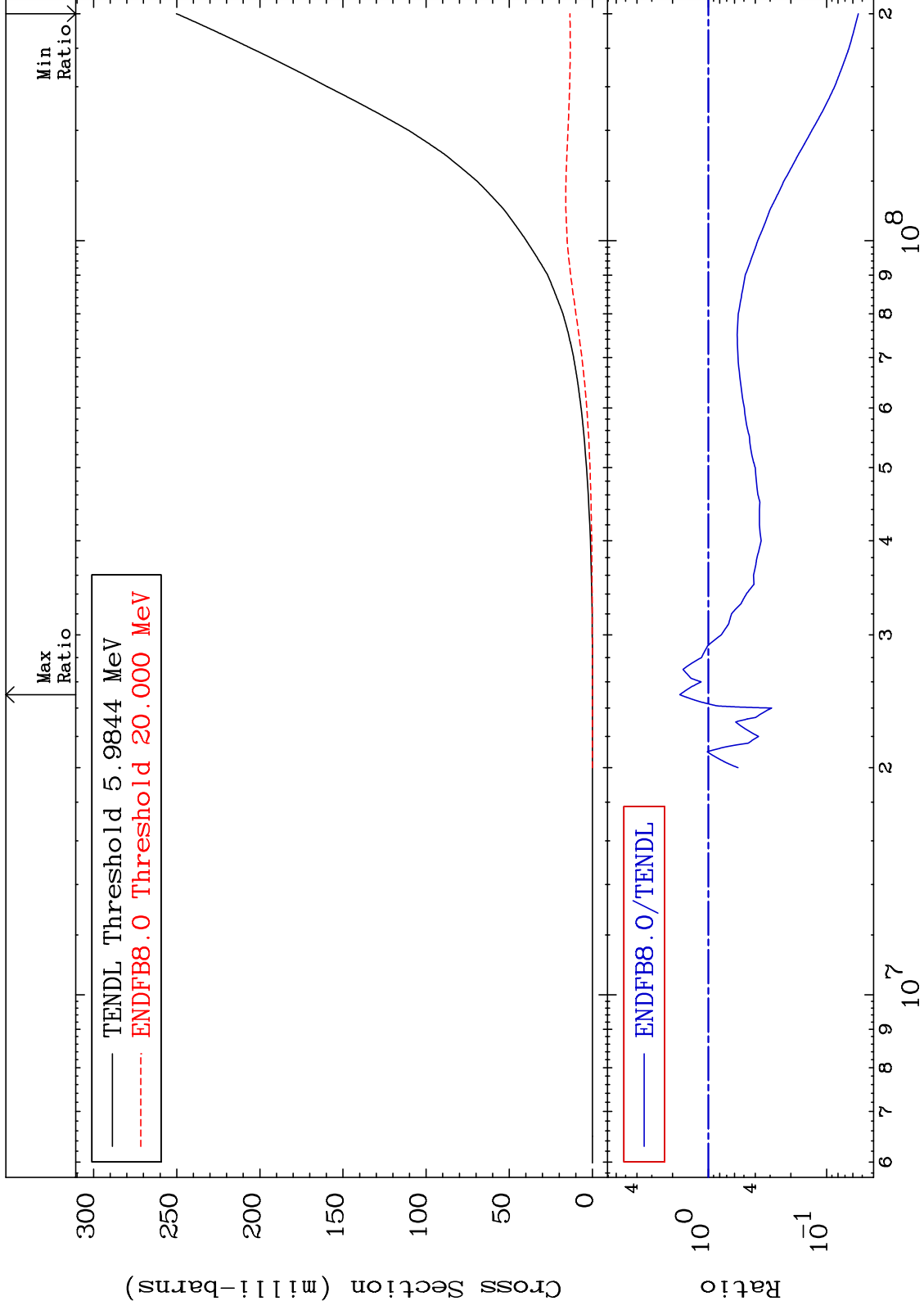
82-Pb-206



MAT 8231

He-3 Production  
Cross Section

82-Pb-206  
-94.61 To 73.87 %



48

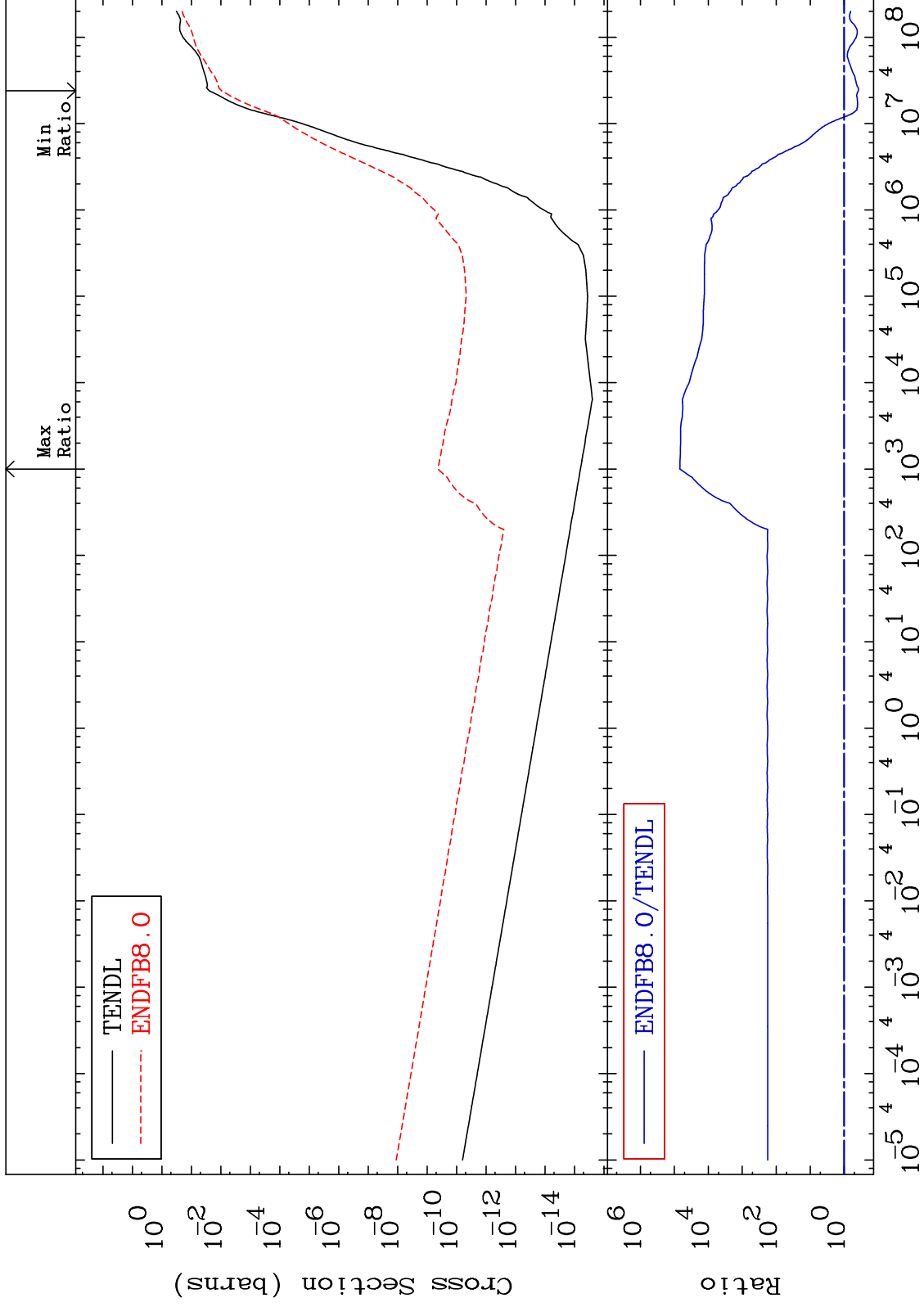
82-Pb-206

82-Pb-206

MAT 8231

He-4 Production  
Cross Section

82-Pb-206  
-61.76 To 9999. %



49

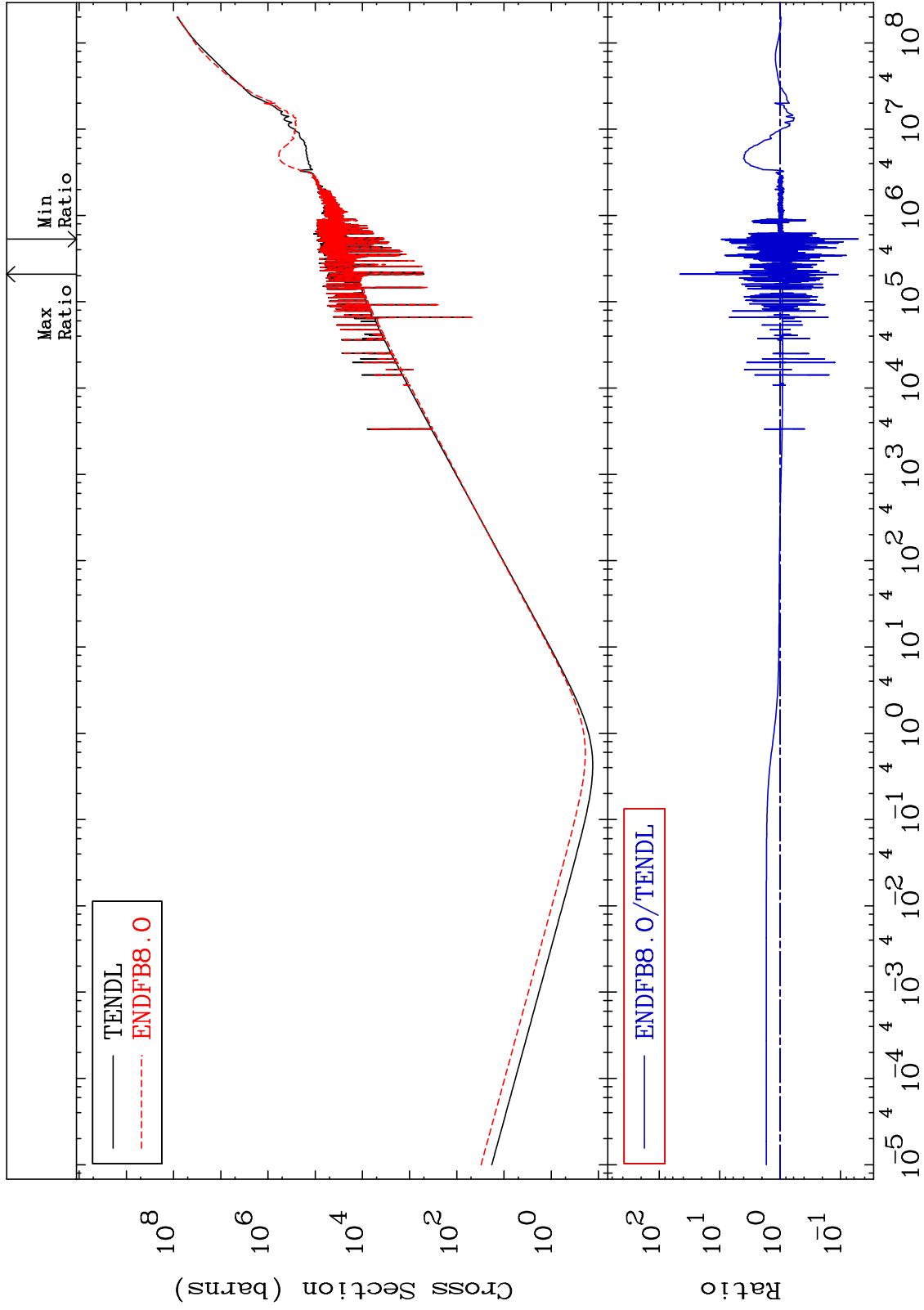
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma total (eV-barns)  
Cross Section

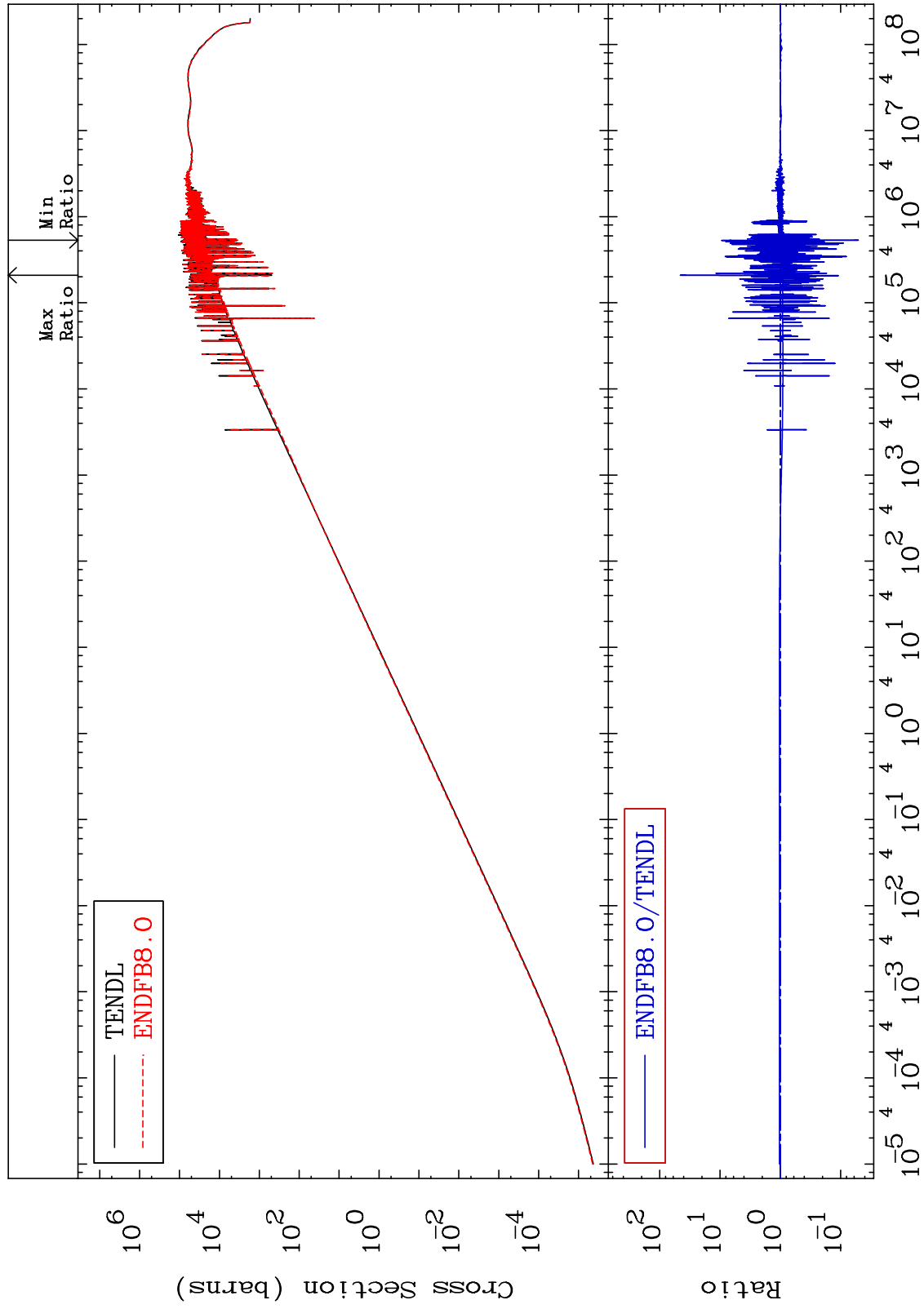
82-Pb-206  
-94.94 To 4431. %



MAT 8231

Kerma elastic  
Cross Section

82-Pb-206  
-94.94 To 4431. %



51

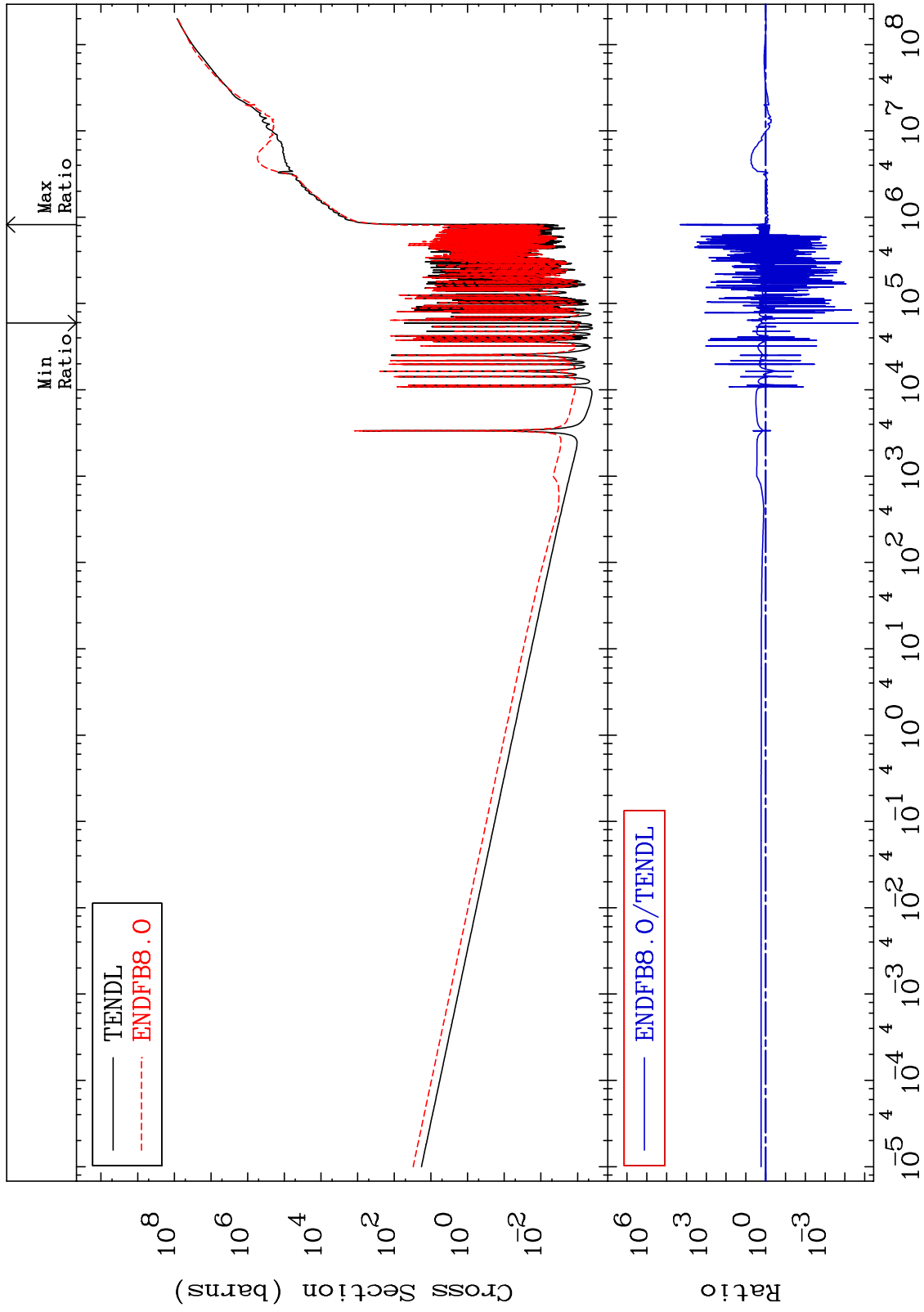
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma non-elastic (all but mt2)  
Cross Section

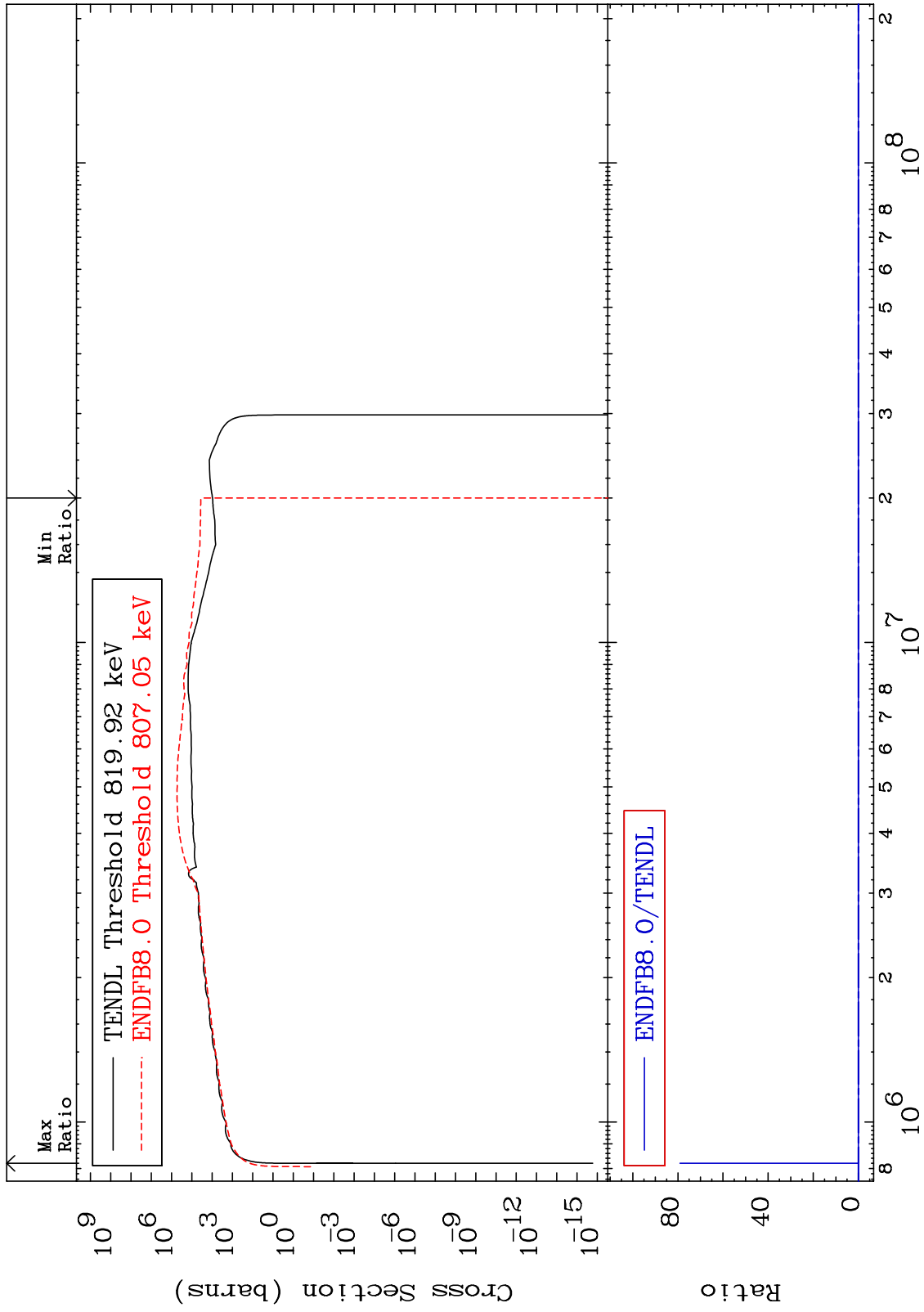
82-Pb-206  
-100.0 To 9999. %



MAT 8231

Kerma inelastic (mt51-91)  
Cross Section

82-Pb-206  
-100.0 To 9999. %



53

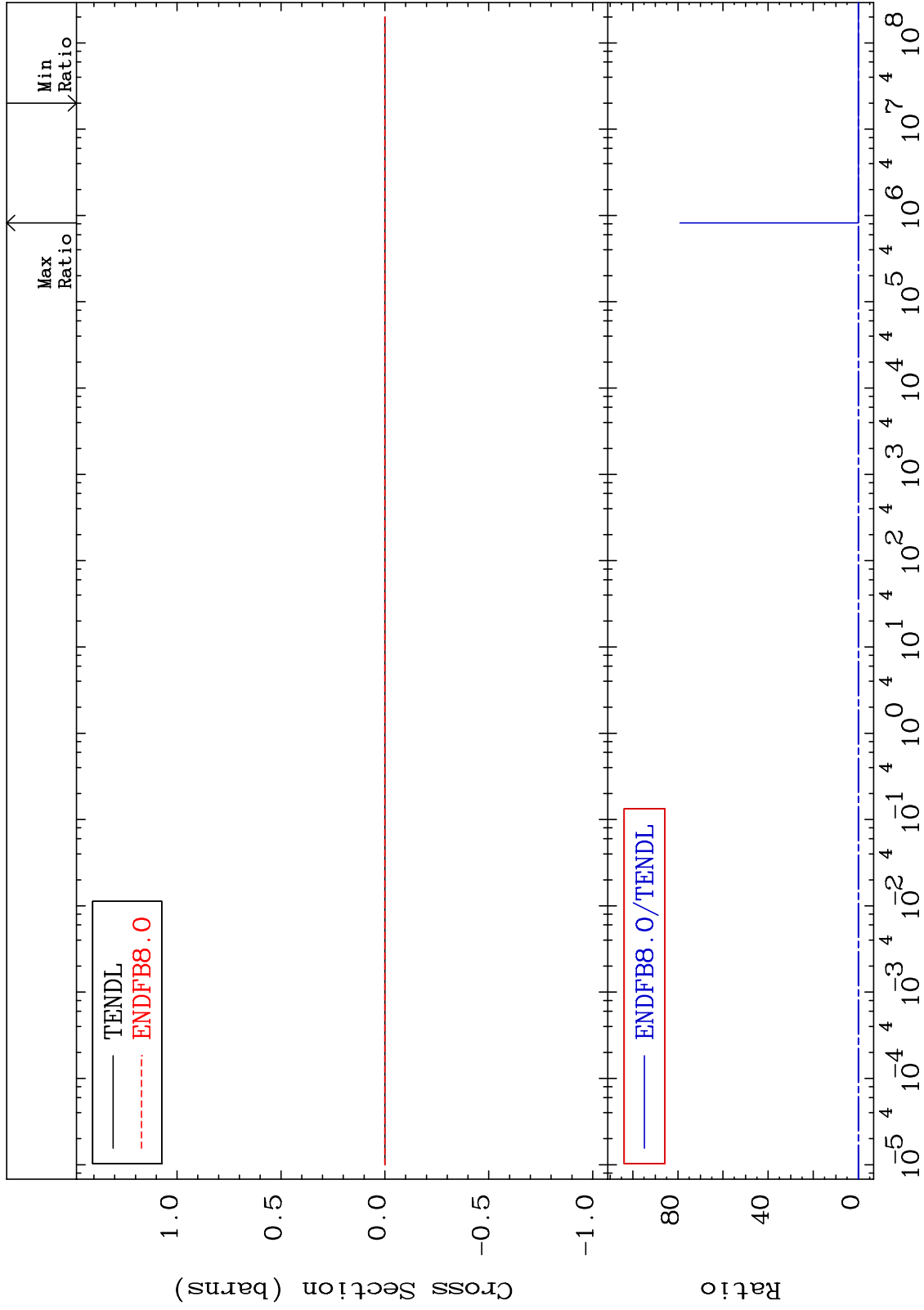
Incident Energy (eV)

82-Pb-206

MAT 8231

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

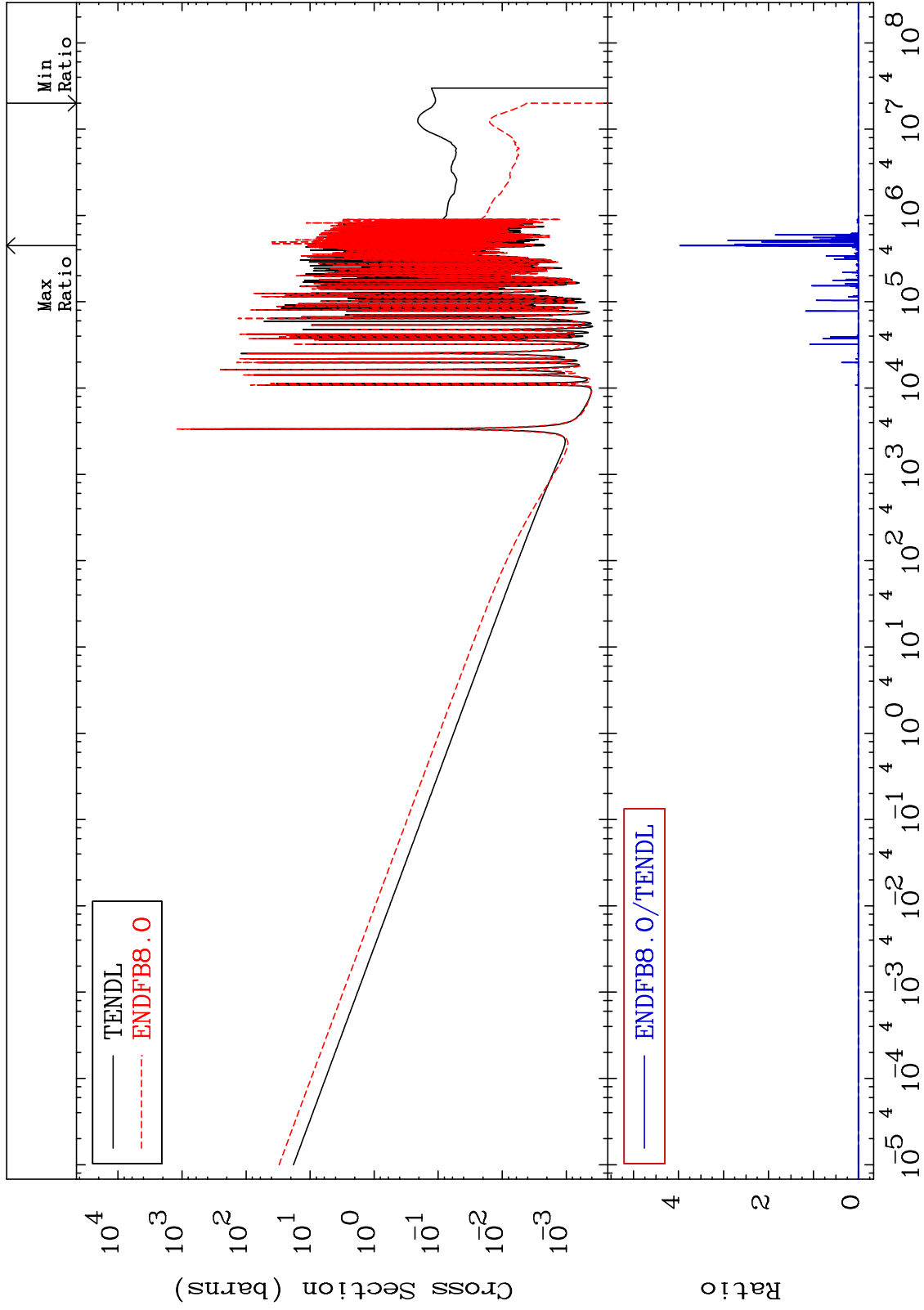
82-Pb-206  
-100.0 To 9999. %



MAT 8231

Kerma capture (mt102)  
Cross Section

82-Pb-206  
-100.0 To 9999. %



55

Incident Energy (eV)

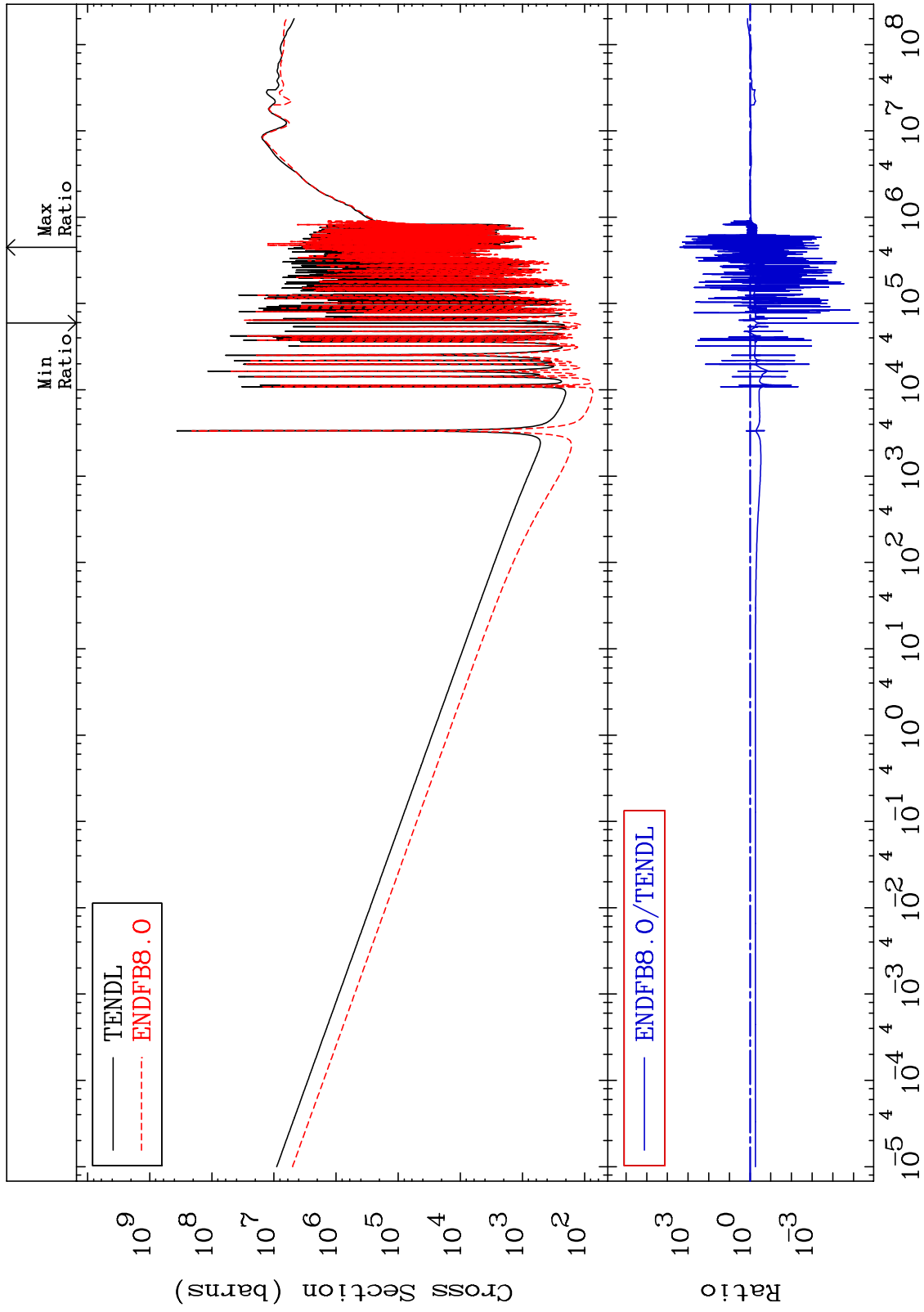
82-Pb-206



MAT 8231

Total photon (eV-barns)  
Cross Section

82-Pb-206  
-100.0 To 9999. %



56

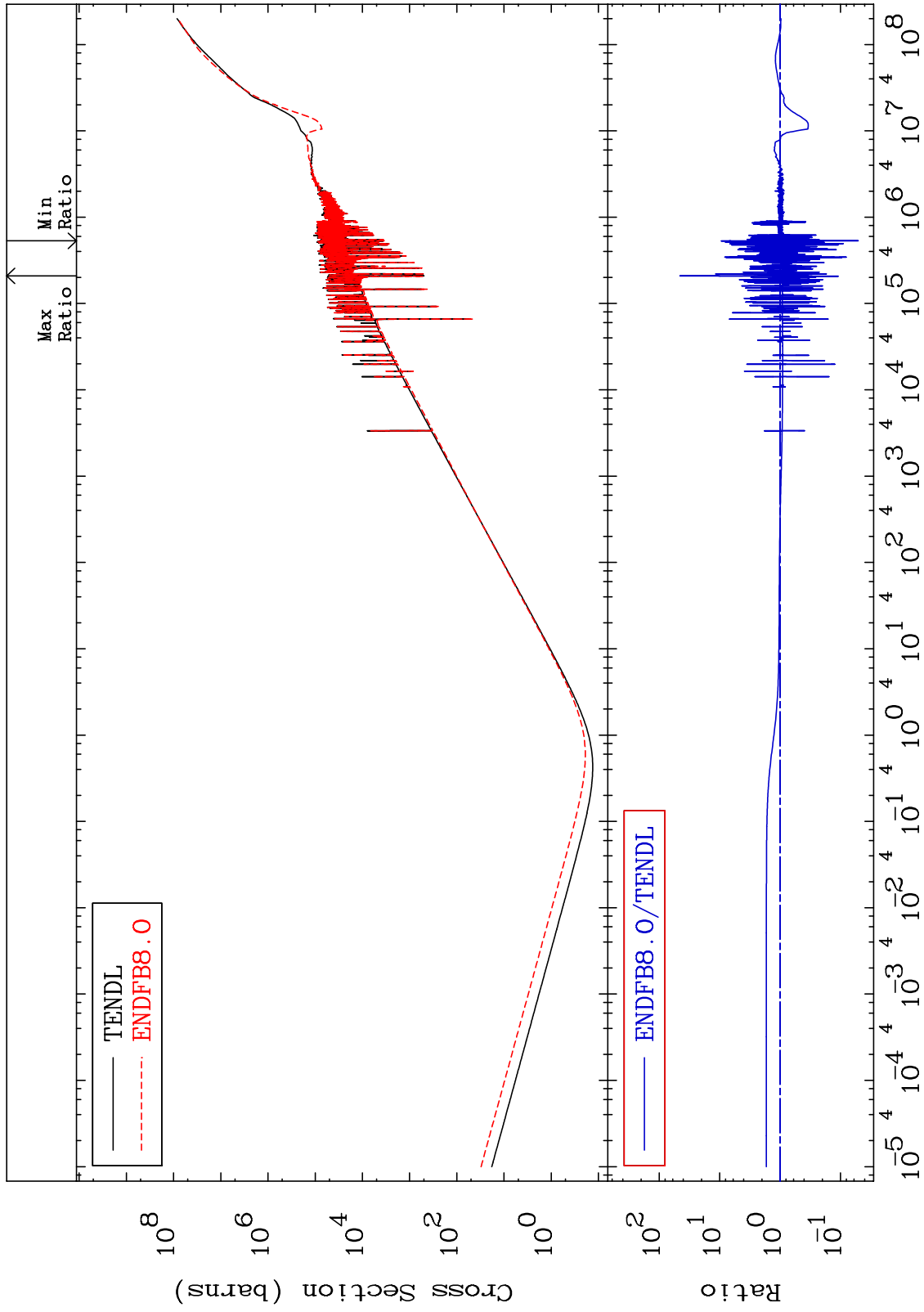
Incident Energy (eV)

82-Pb-206

MAT 8231

Total kinematic kerma (high limit)  
Cross Section

82-Pb-206  
-94.94 To 4431. %



57

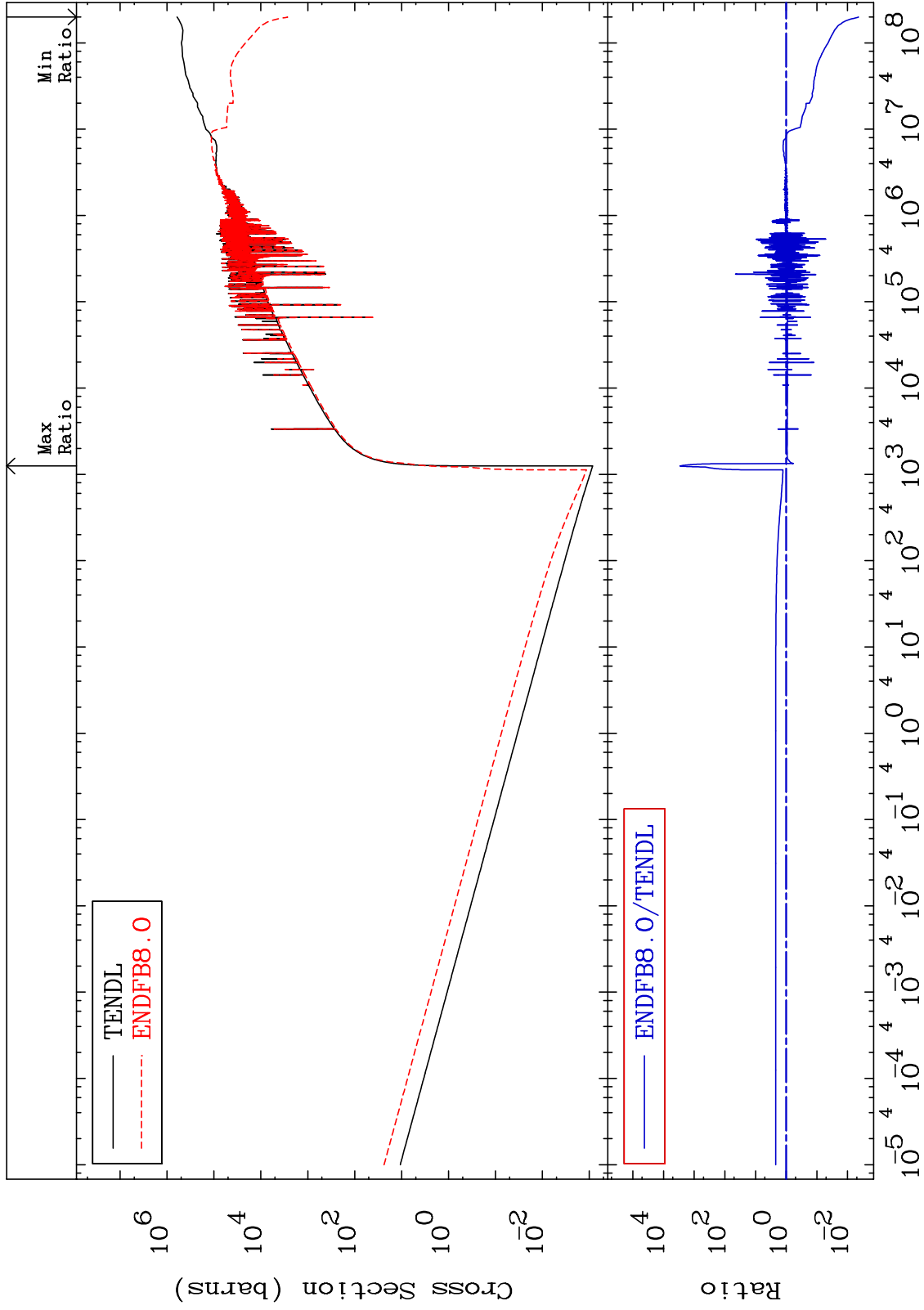
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa total (eV-barns)  
Cross Section

82-Pb-206  
-99.56 To 9999. %



58

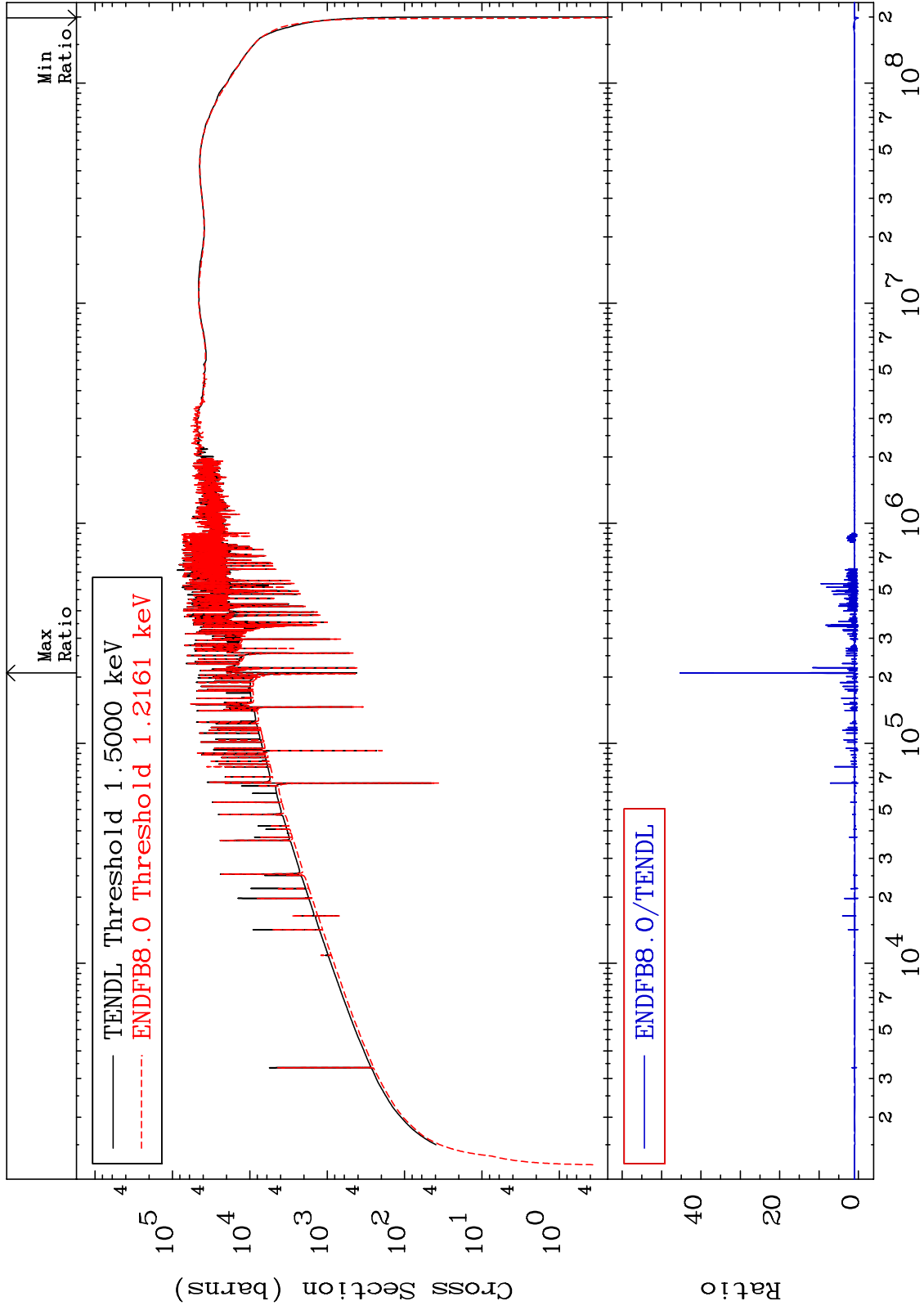
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa elastic (mt2)  
Cross Section

82-Pb-206  
-100.0 To 4431. %



59

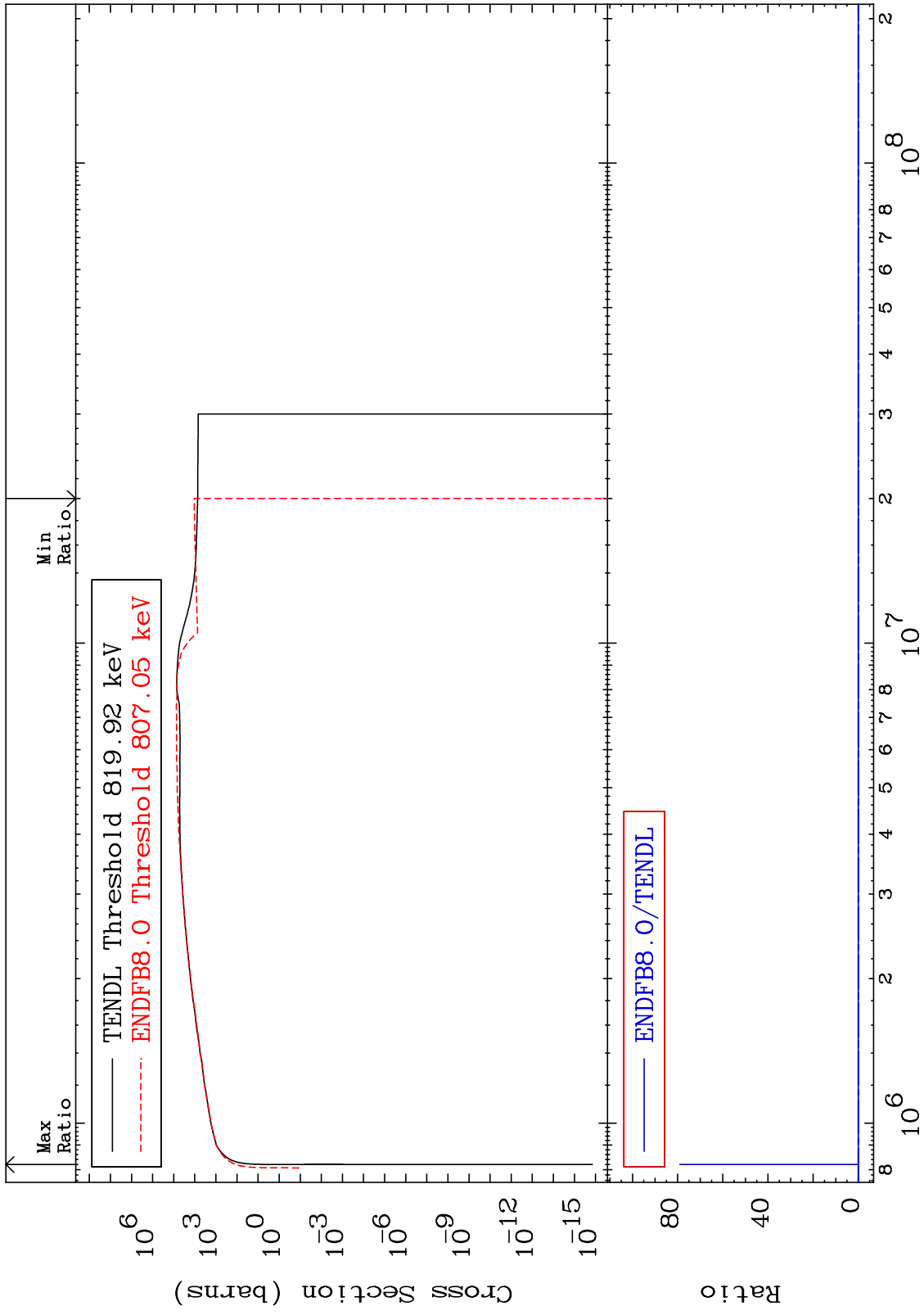
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa inelastic (mt51-91)  
Cross Section

82-Pb-206  
-100.0 To 9999. %



60

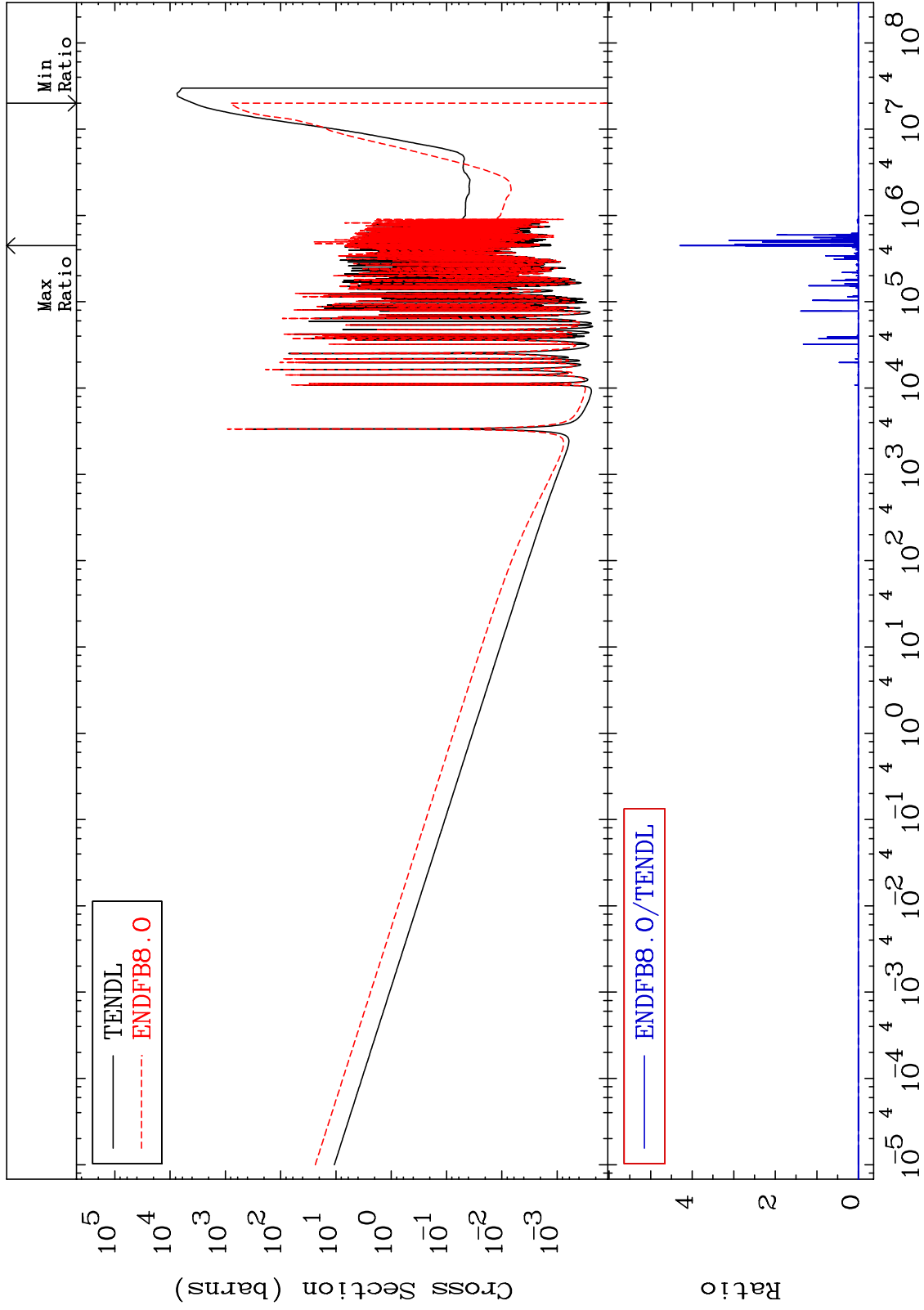
82-Pb-206

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

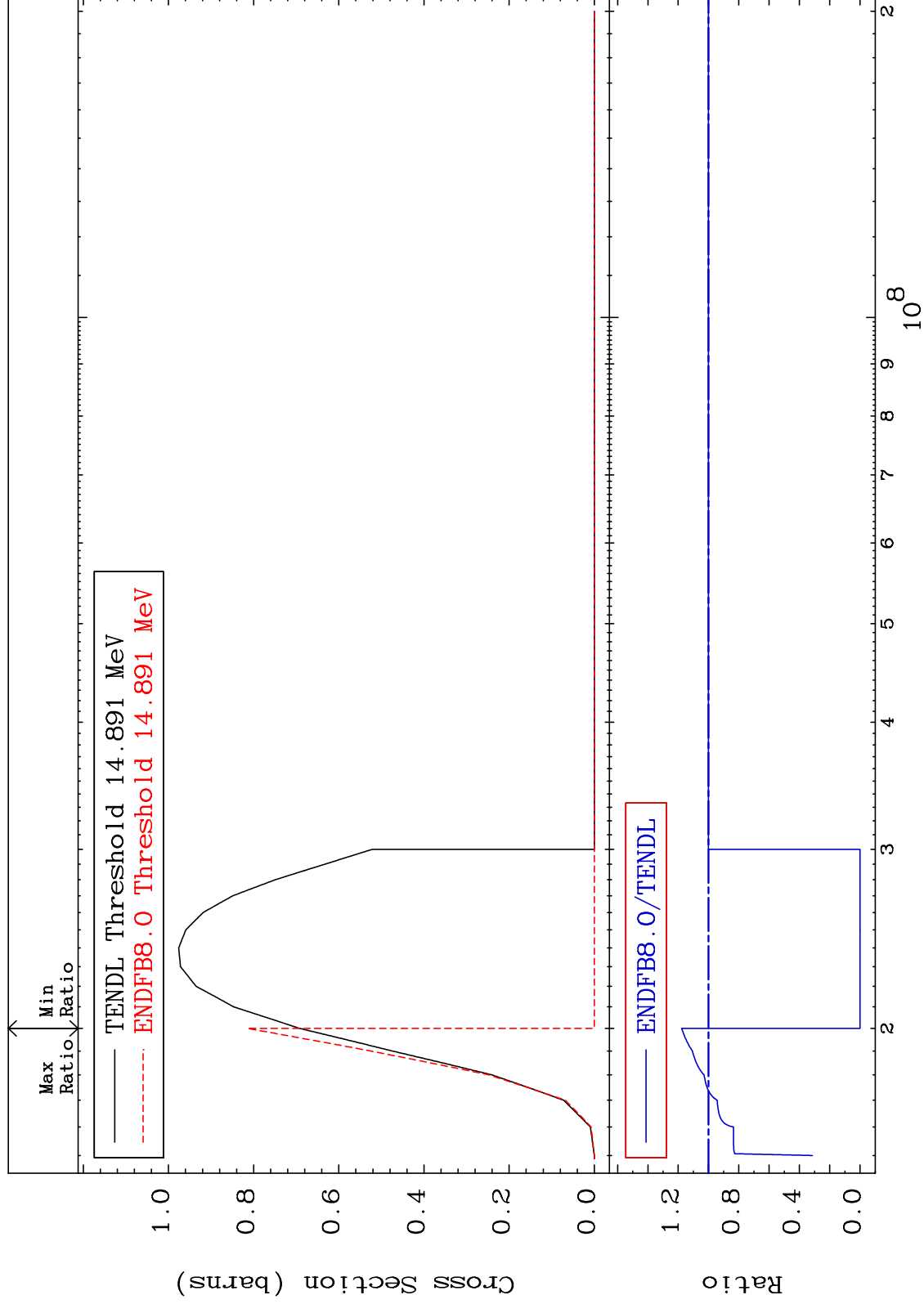
MAT 8231

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

82-Pb-206

Radionuclide Production Cross Section

-100.0 To 17.72 %



62

Incident Energy (eV)

82-Pb-206