

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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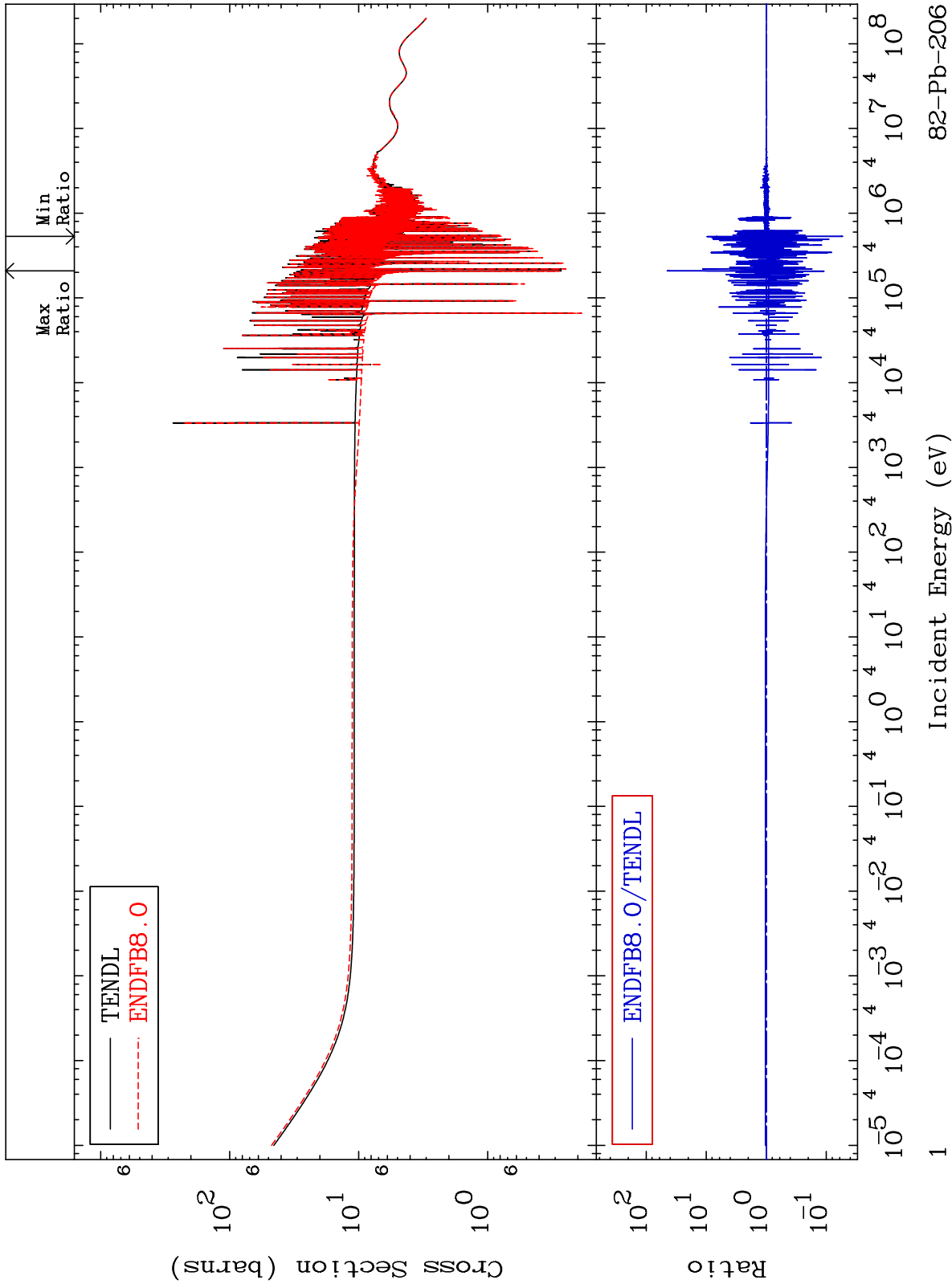
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8231

Total
Cross Section

82-Pb-206
-94.64 To 4365. %



82-Pb-206

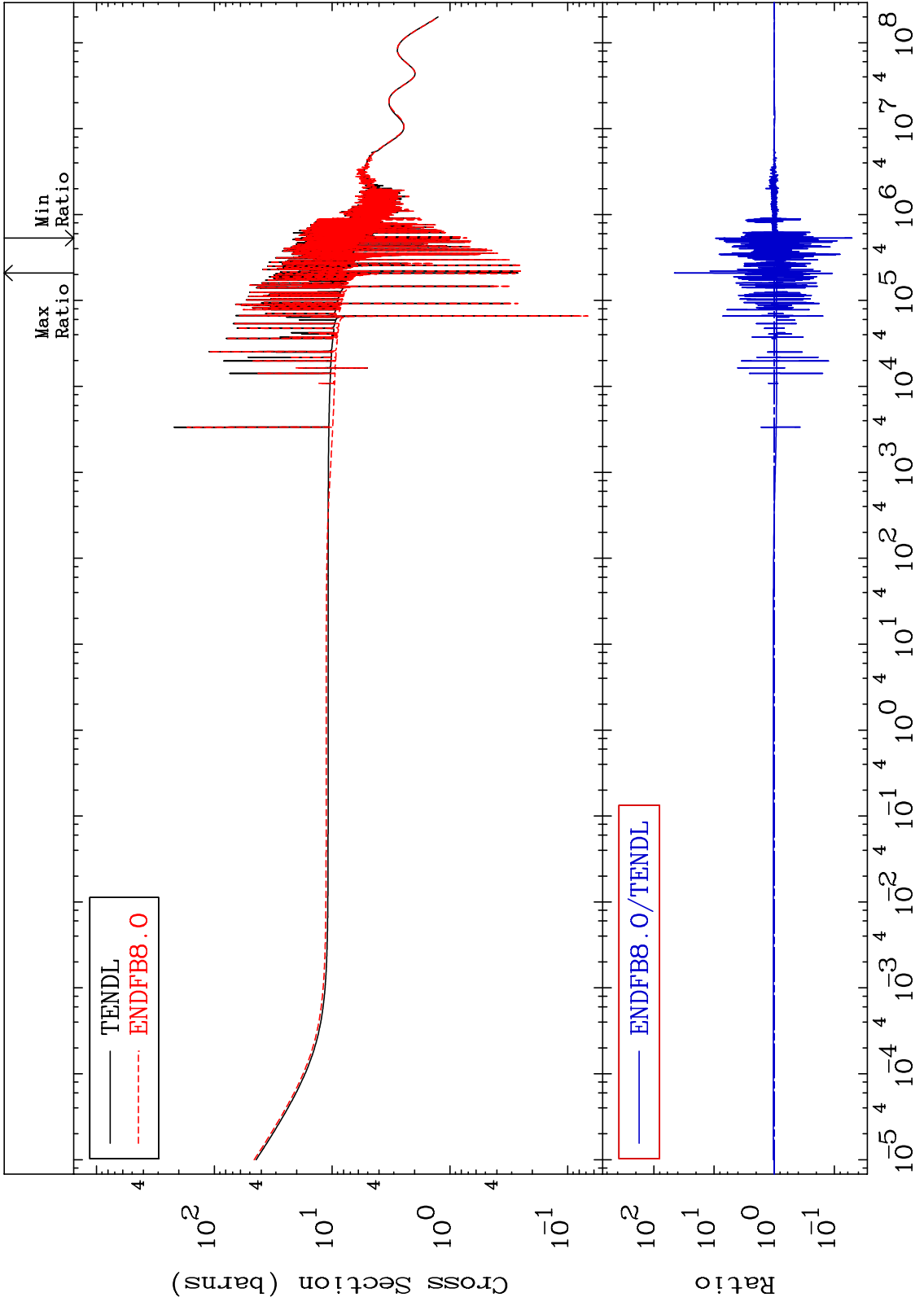
MAT 8231

Elastic

Cross Section

82-Pb-206

-94.93 To 4432. %

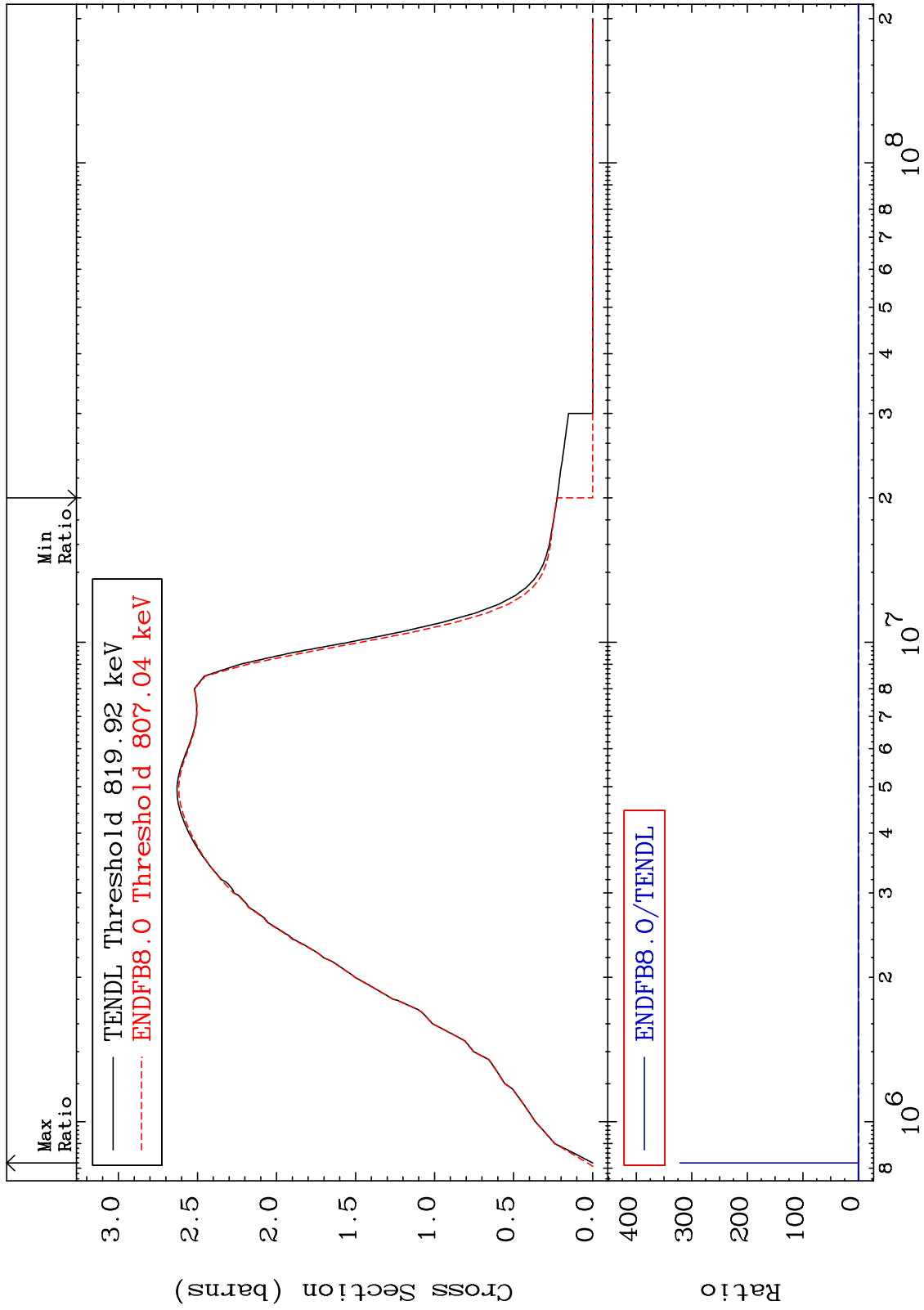


Incident Energy (eV)

82-Pb-206

2

MAT 8231 Inelastic Cross Section 82-Pb-206 -100.0 To 9999. %

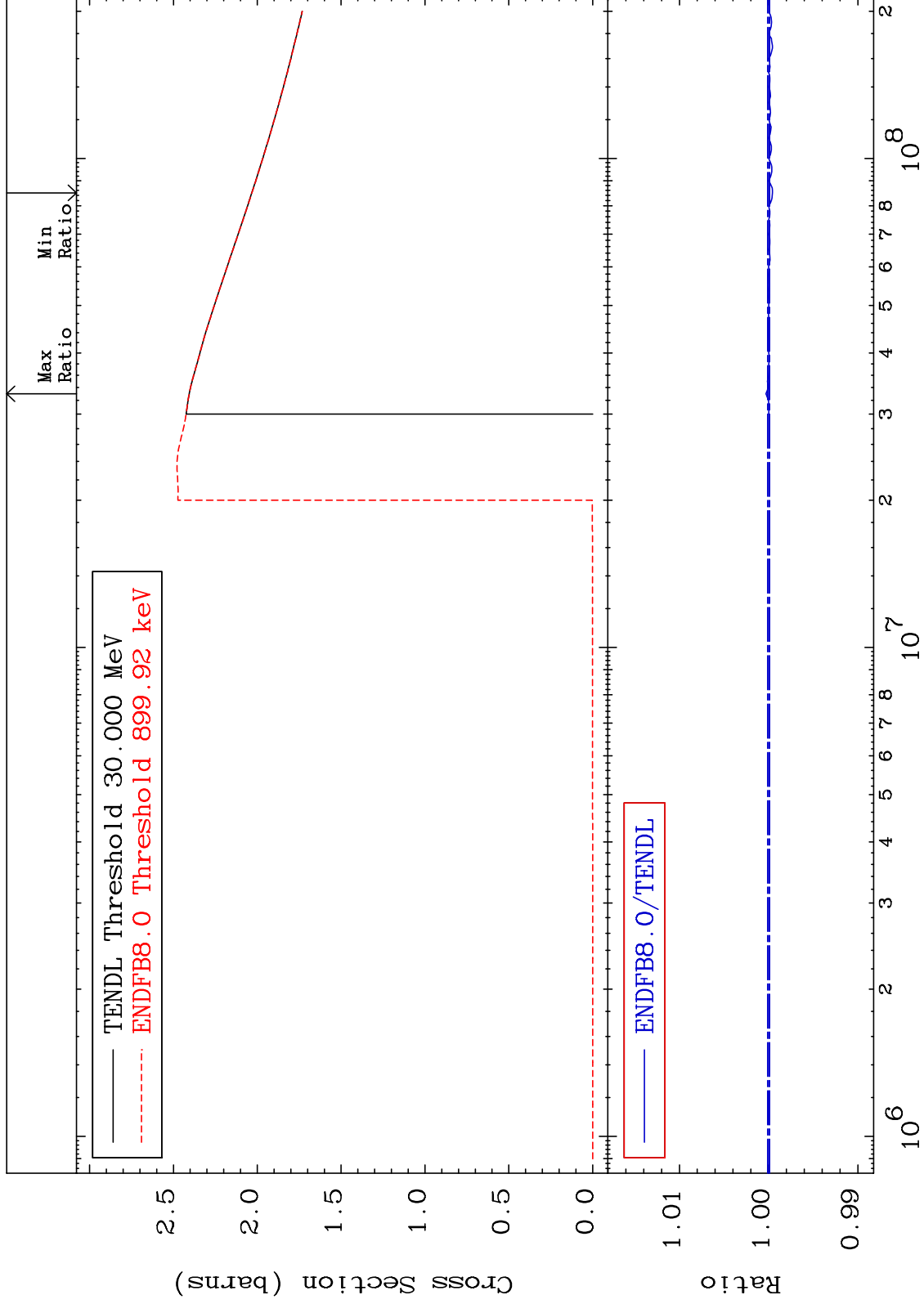


3 82-Pb-206

MAT 8231

(n, remainder)
Cross Section

82-Pb-206
-0.044 To 0.031 %



Incident Energy (eV)

82-Pb-206

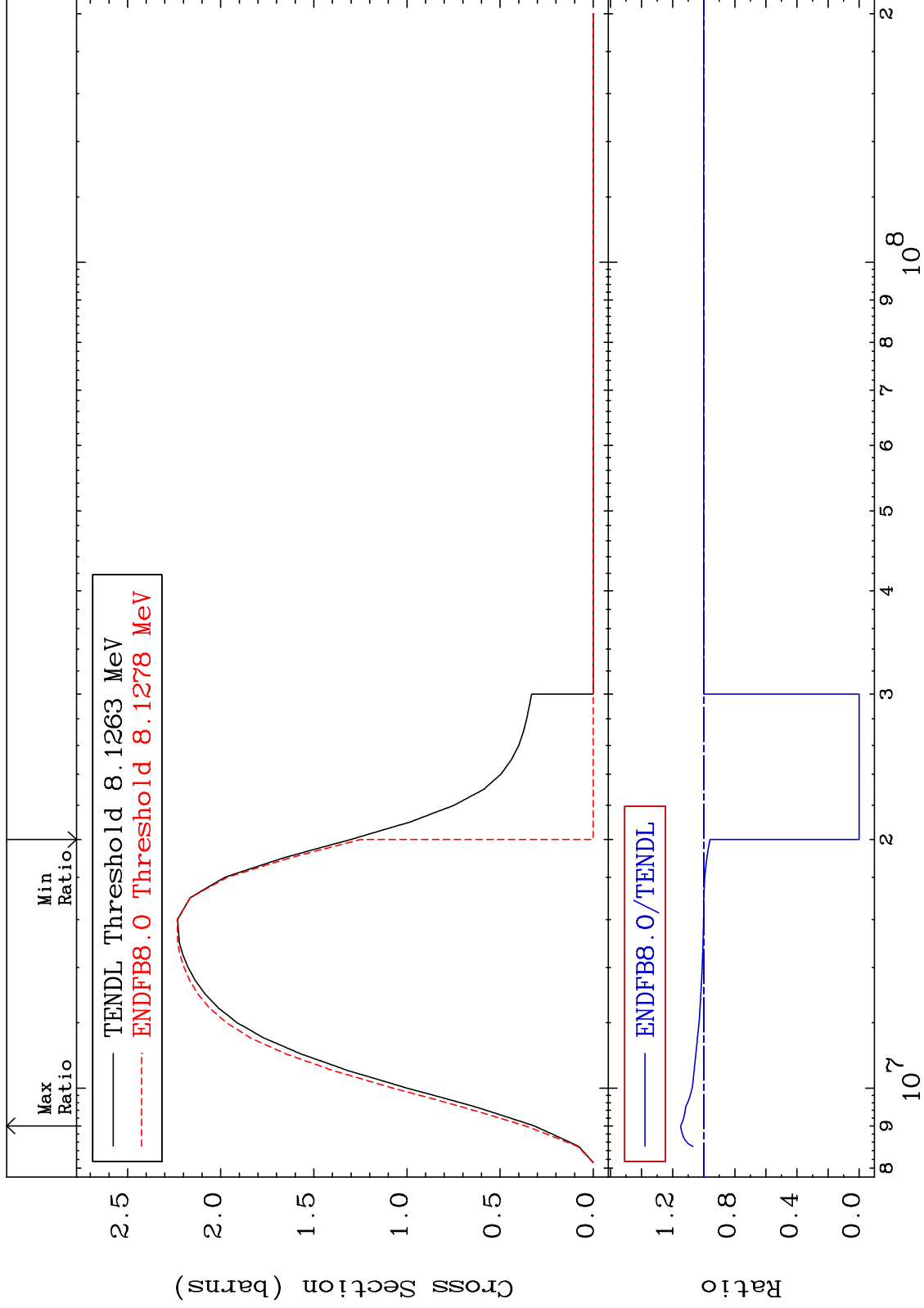
MAT 8231

(n,2n)

82-Pb-206

Cross Section

-100.0 To 14.86 %



82-Pb-206

Incident Energy (eV)

5

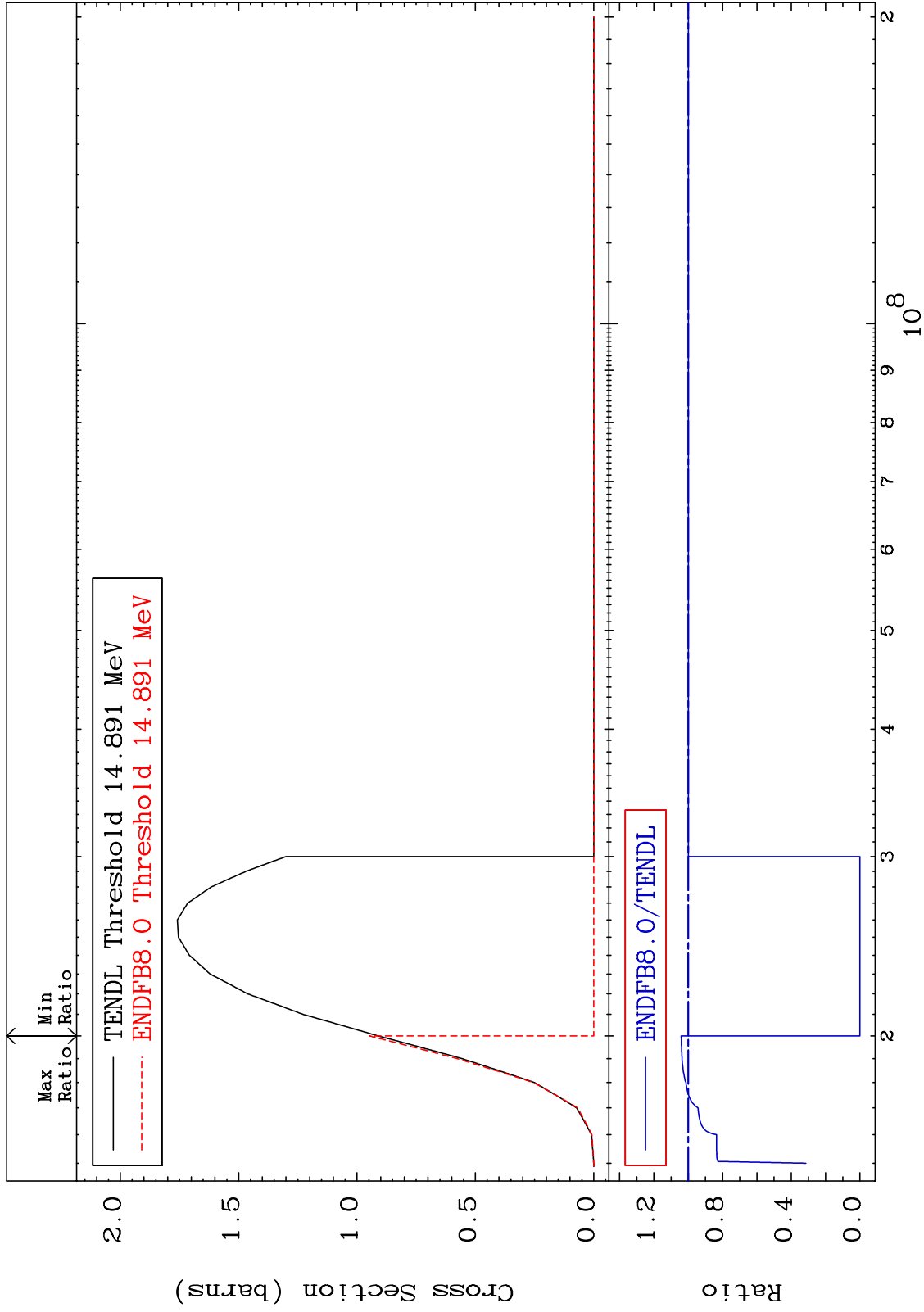
MAT 8231

(n, 3n)

82-Pb-206

Cross Section

-100.0 To 4.101 %



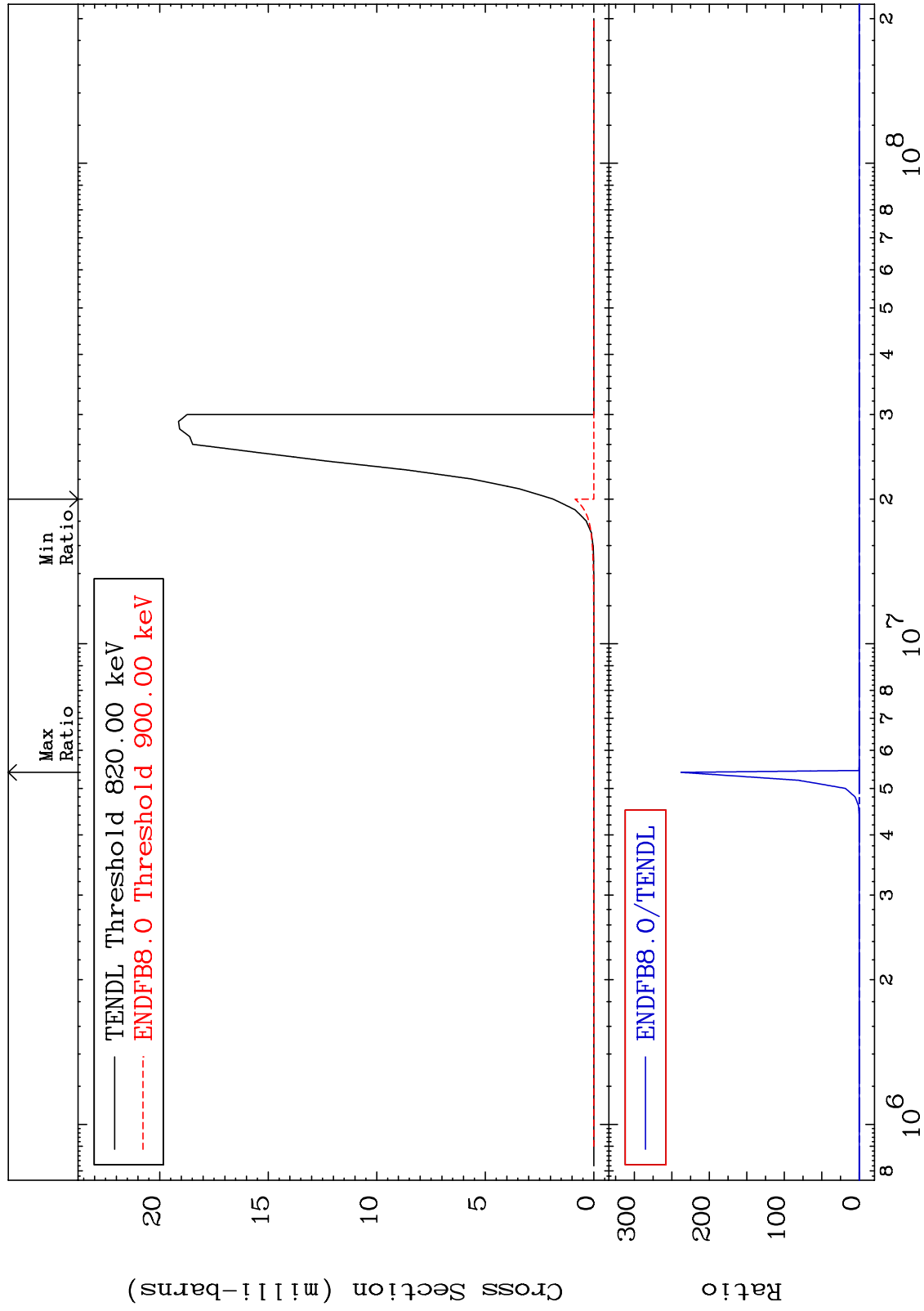
MAT 8231

(n, n') α

82-Pb-206

-100.0 To 9999. %

Cross Section



Incident Energy (eV)

82-Pb-206

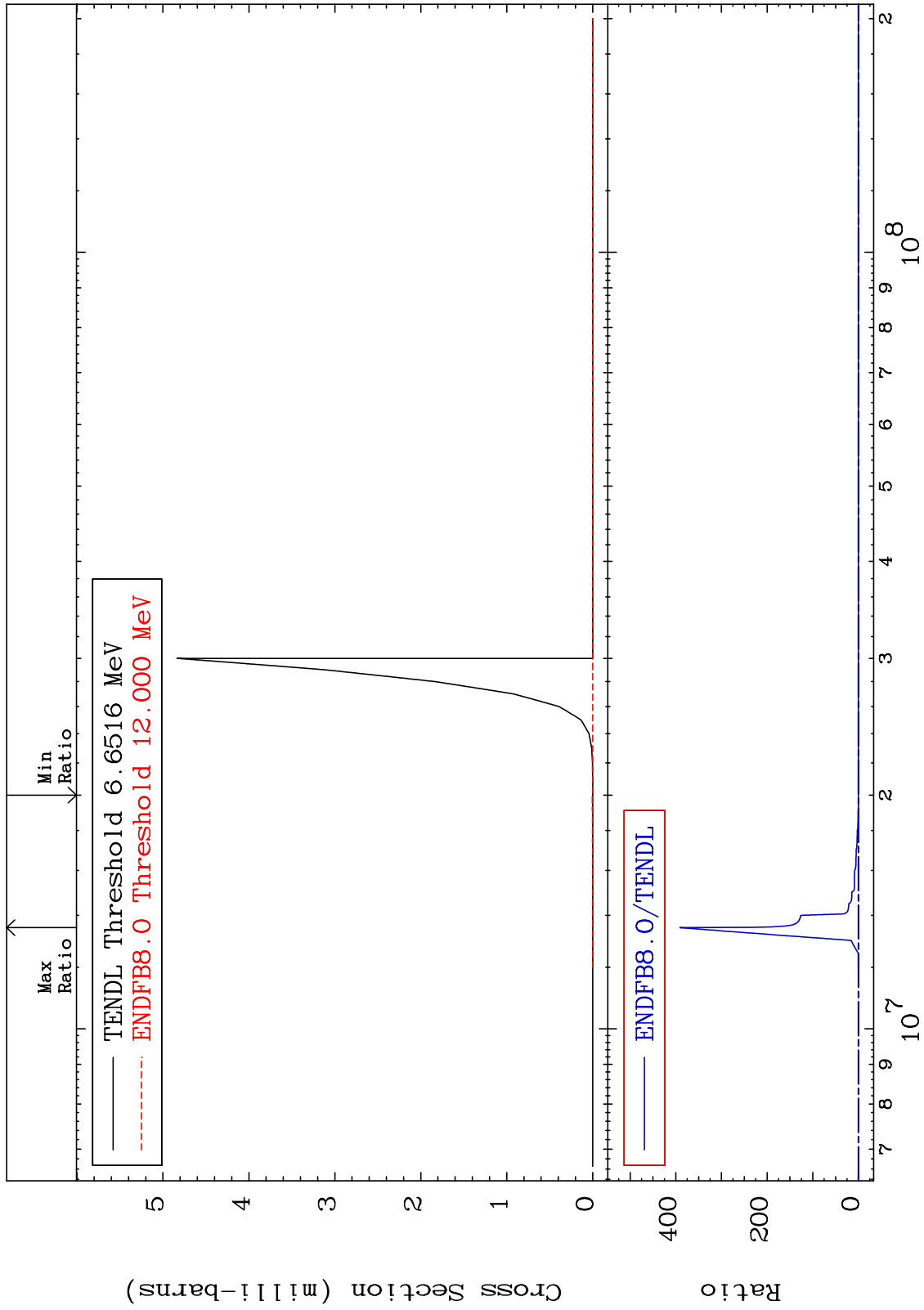
MAT 8231

(n,2n) α

82-Pb-206

Cross Section

-100.0 To 9999. %



8

Incident Energy (eV)

82-Pb-206

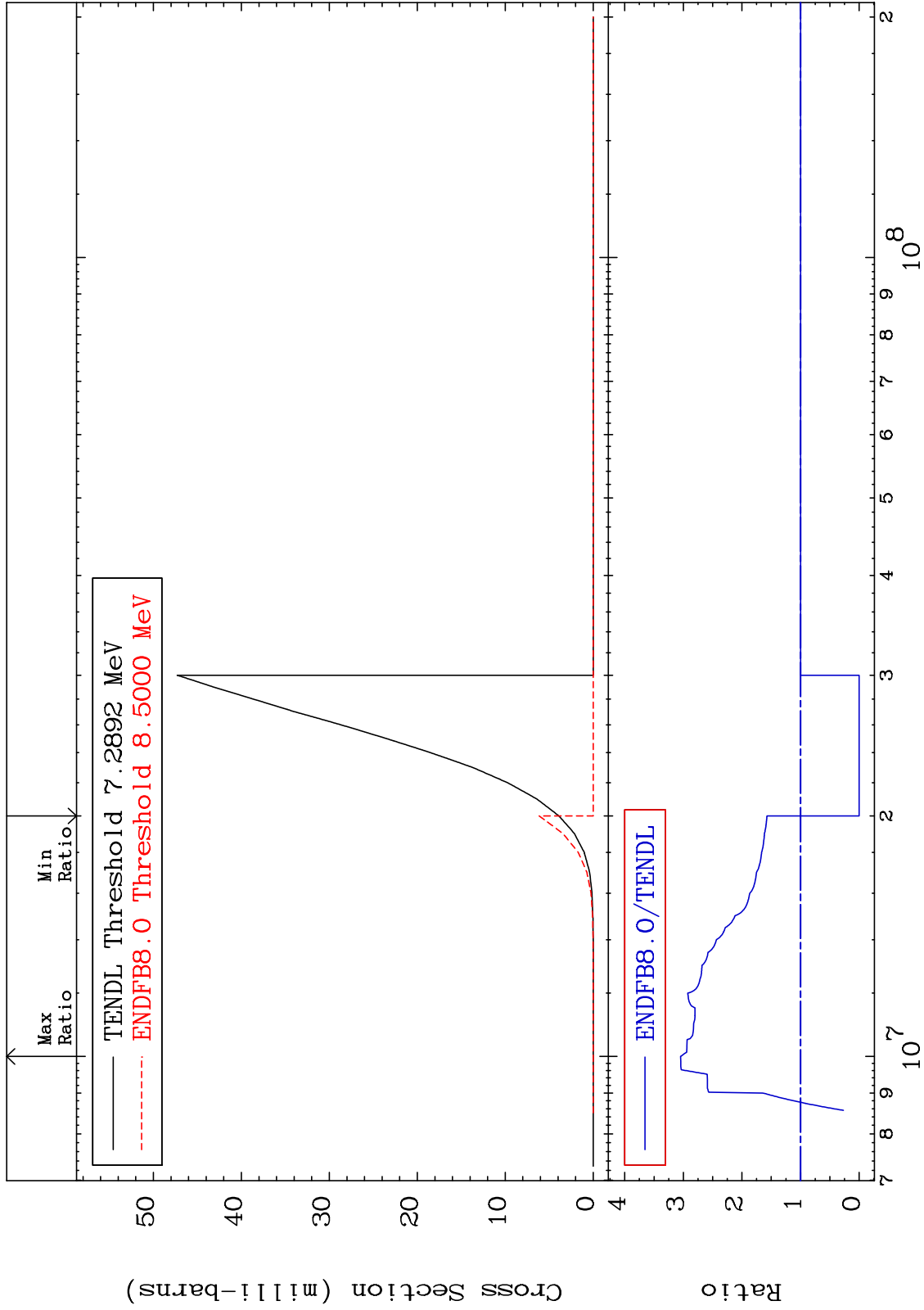
MAT 8231

(n,n') p

82-Pb-206

Cross Section

-100.0 To 204.6 %

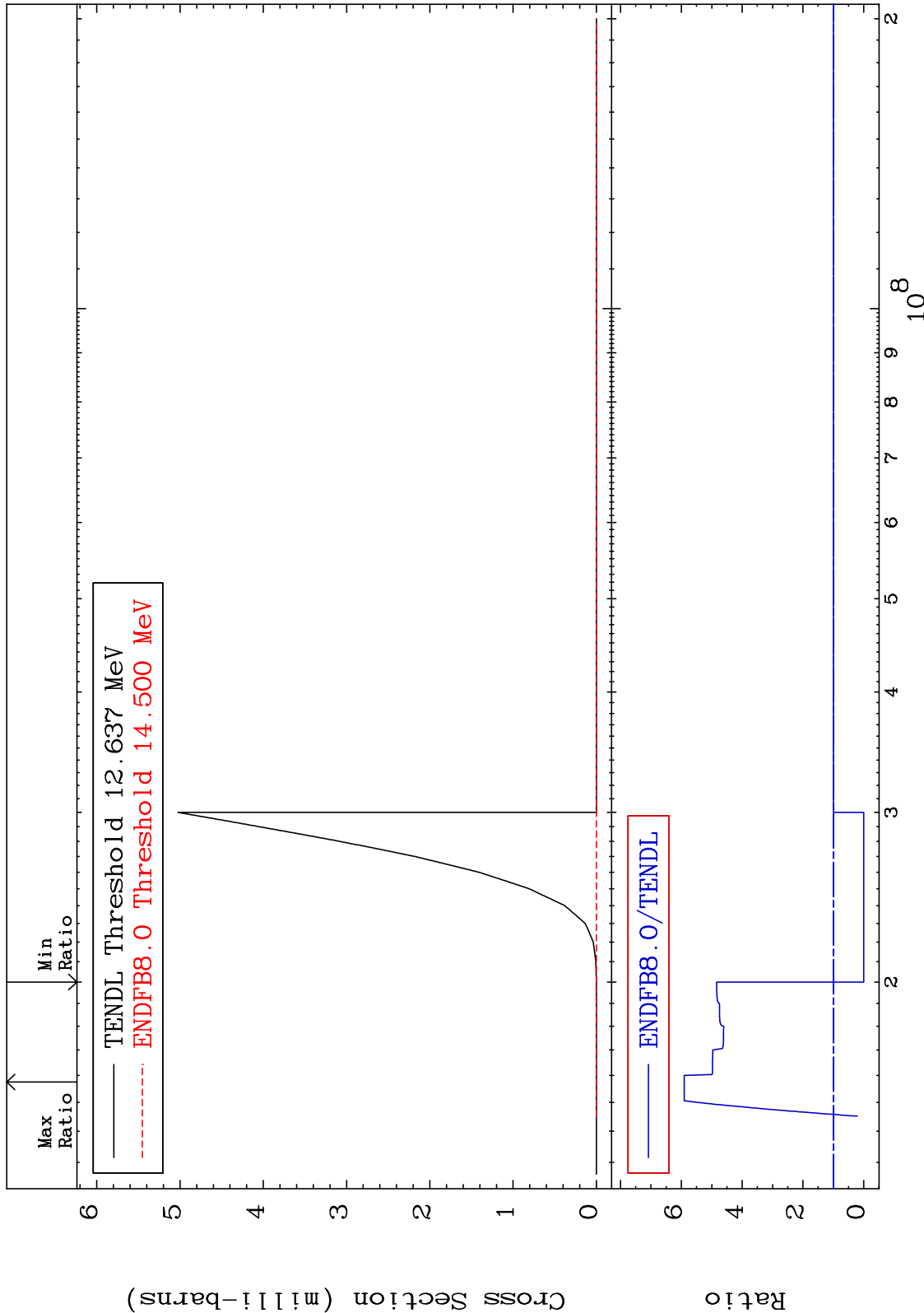


9

Incident Energy (eV)

82-Pb-206

MAT 8231 (n,n') d
 Cross Section 82-Pb-206
 -100.0 To 490.4 %



82-Pb-206

Incident Energy (eV)

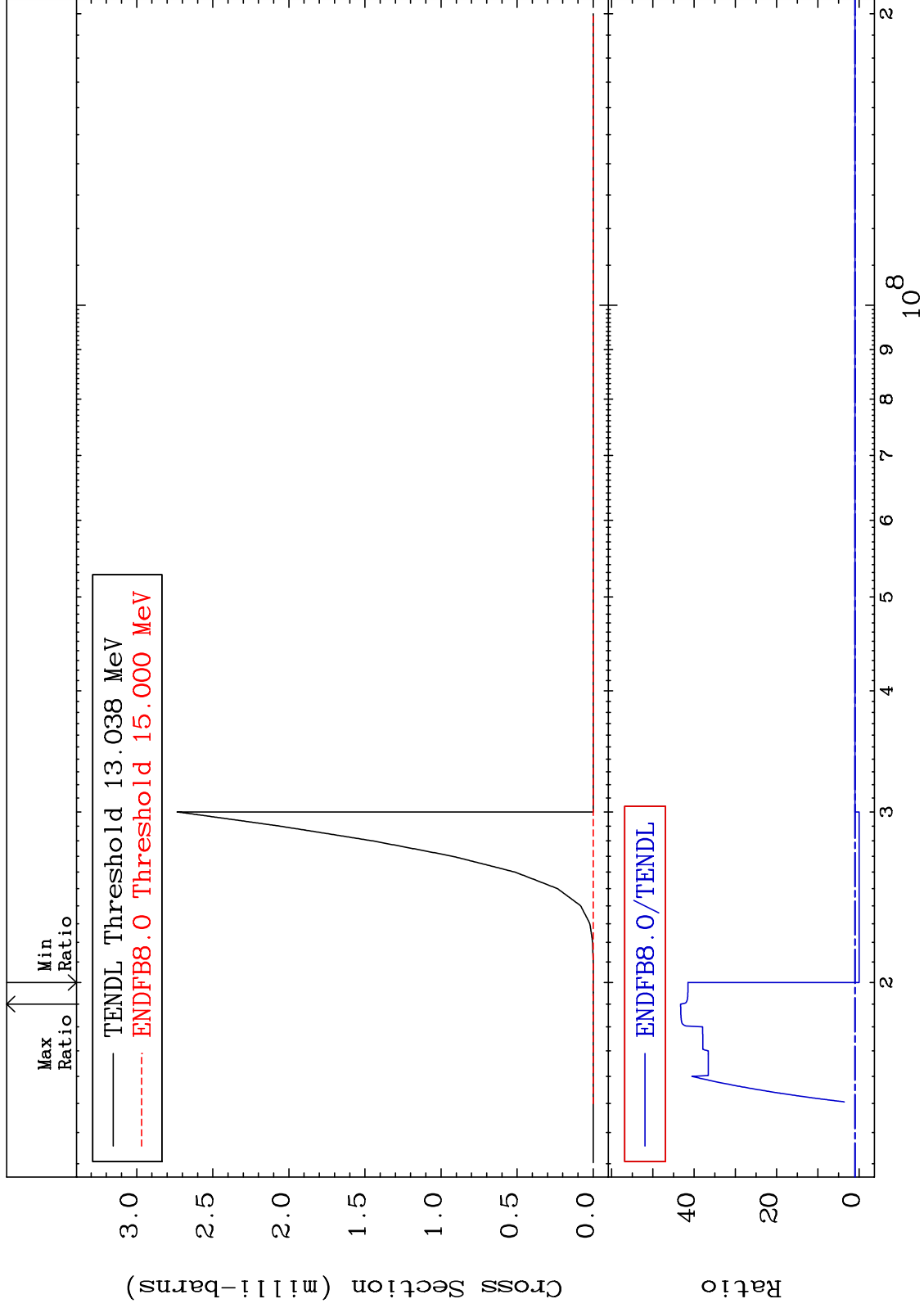
MAT 8231

(n,n') t

82-Pb-206

Cross Section

-100.0 To 4228. %



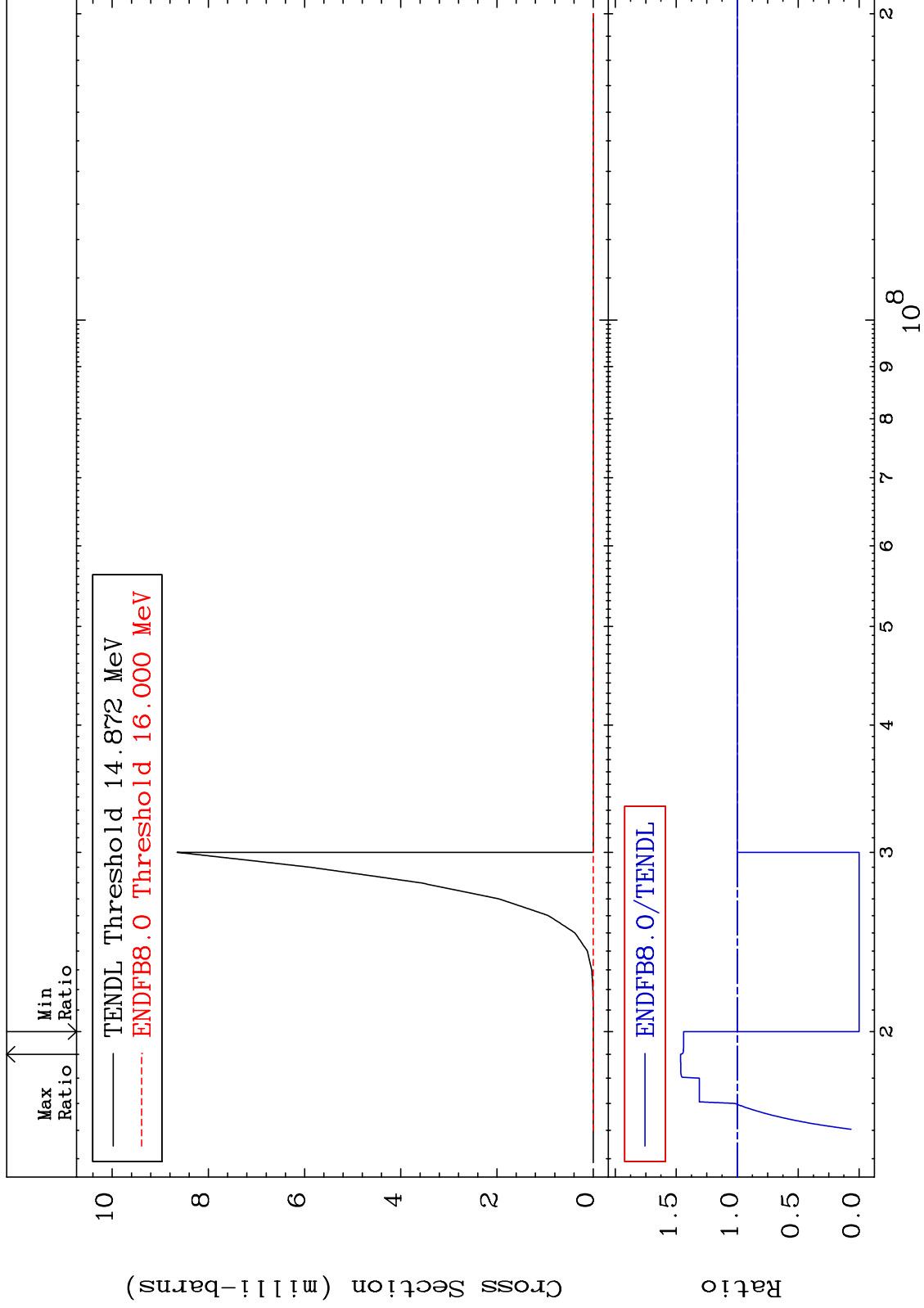
MAT 8231

(n,2n) p

82-Pb-206

Cross Section

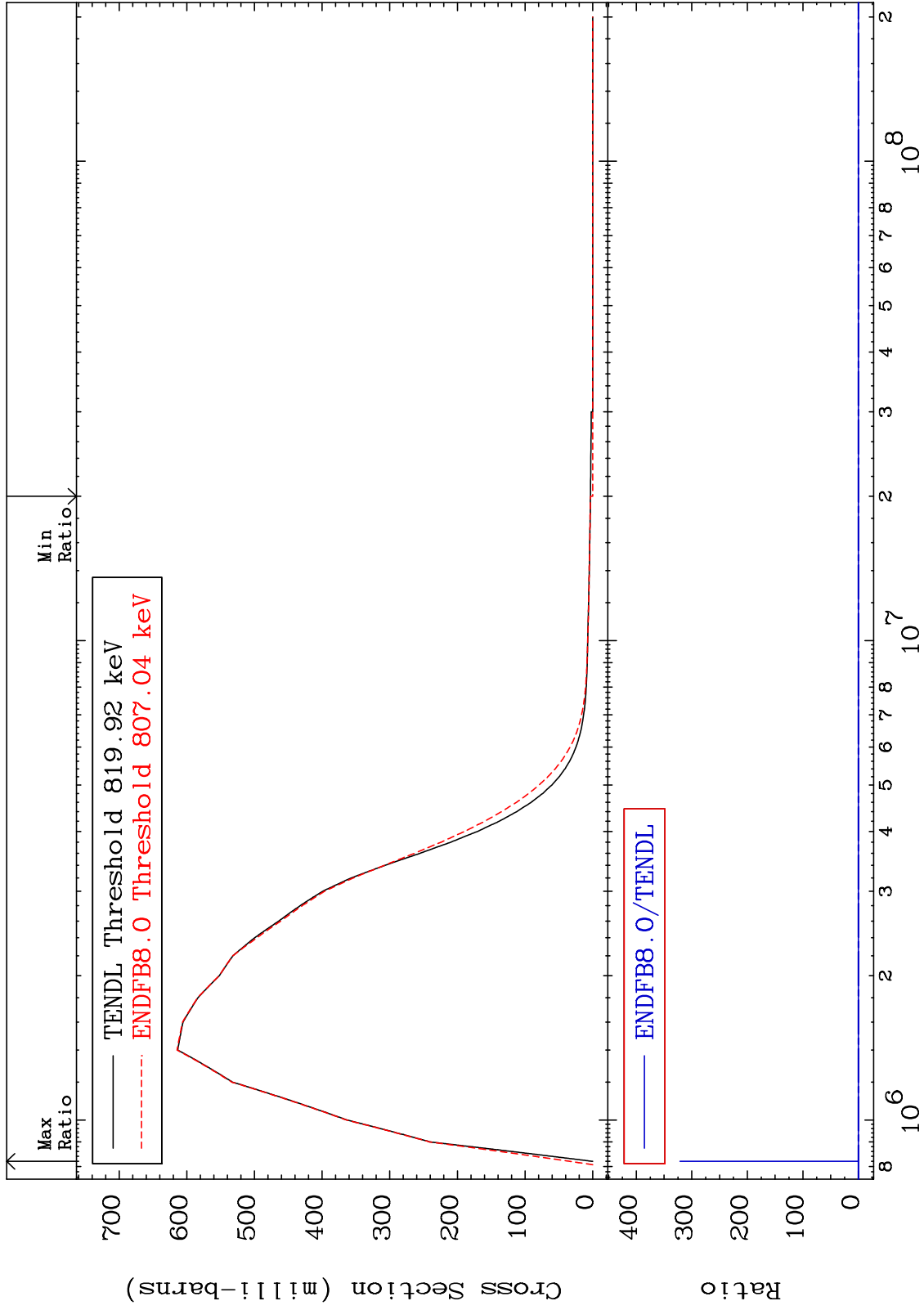
-100.0 To 46.41 %



MAT 8231

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

82-Pb-206
-100.0 To 9999. %

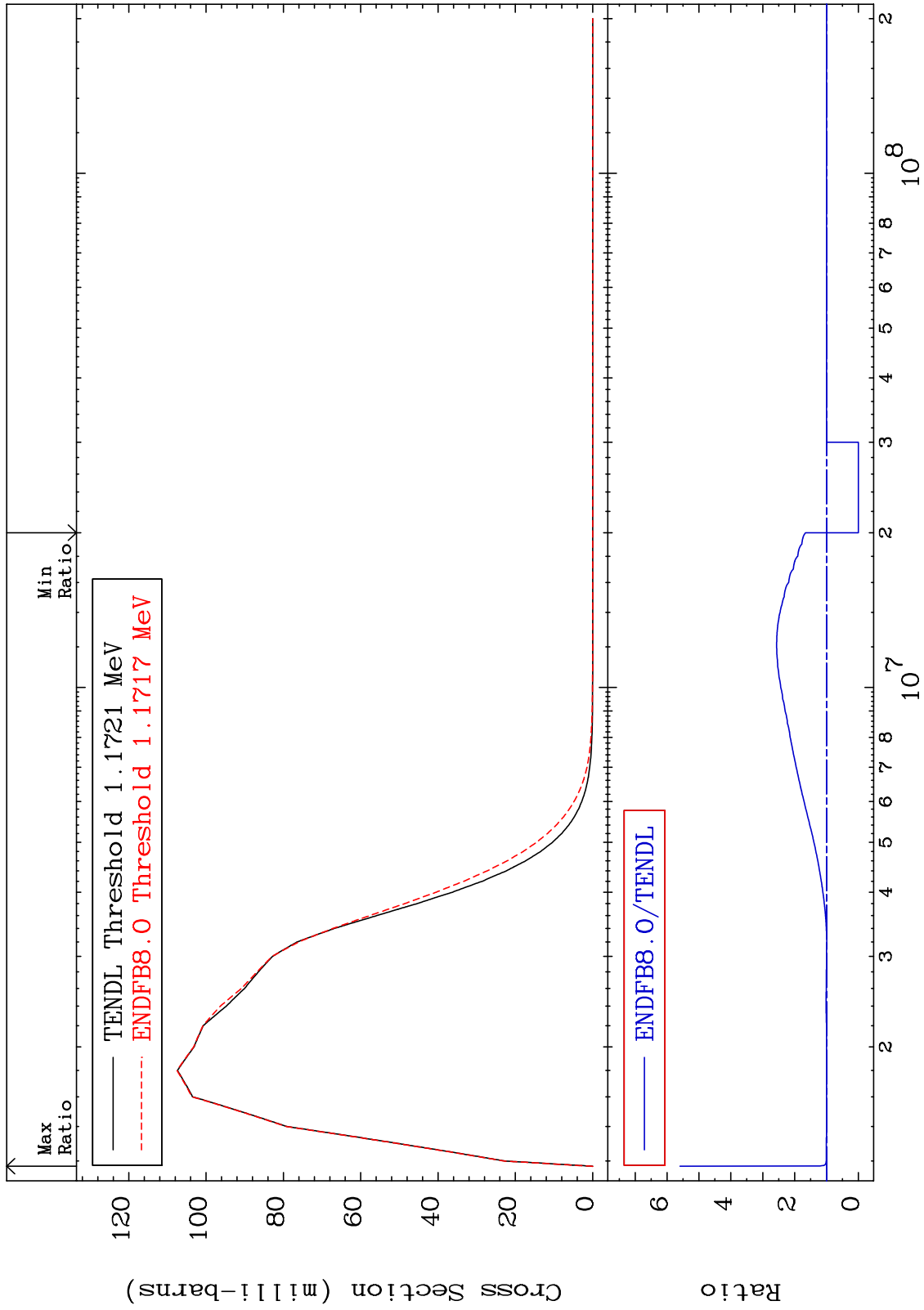


13

Incident Energy (eV)

82-Pb-206

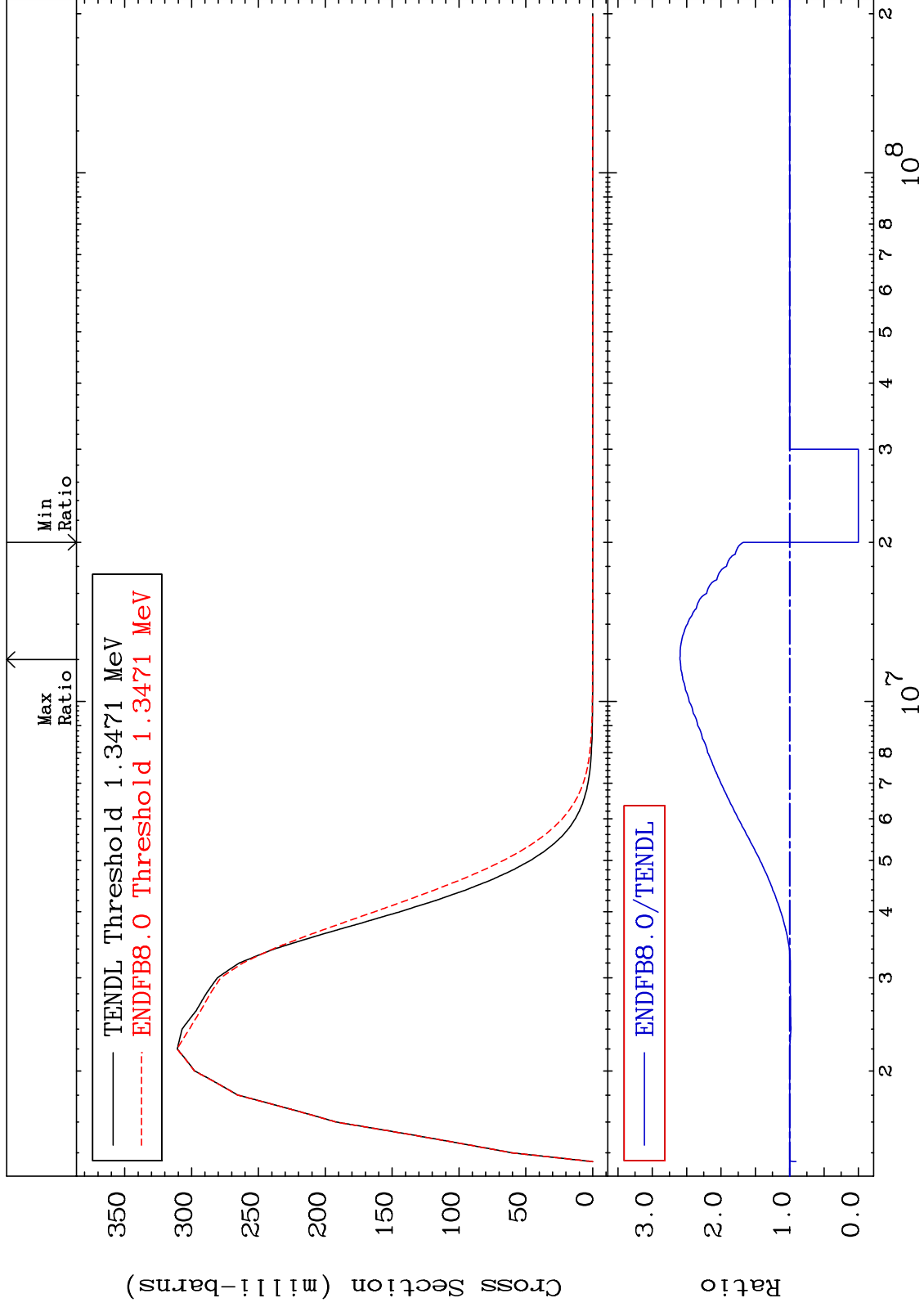
MAT 8231 MT= 52 (n, n') Level Cross Section -100.0 To 459.4 % 82-Pb-206



MAT 8231

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

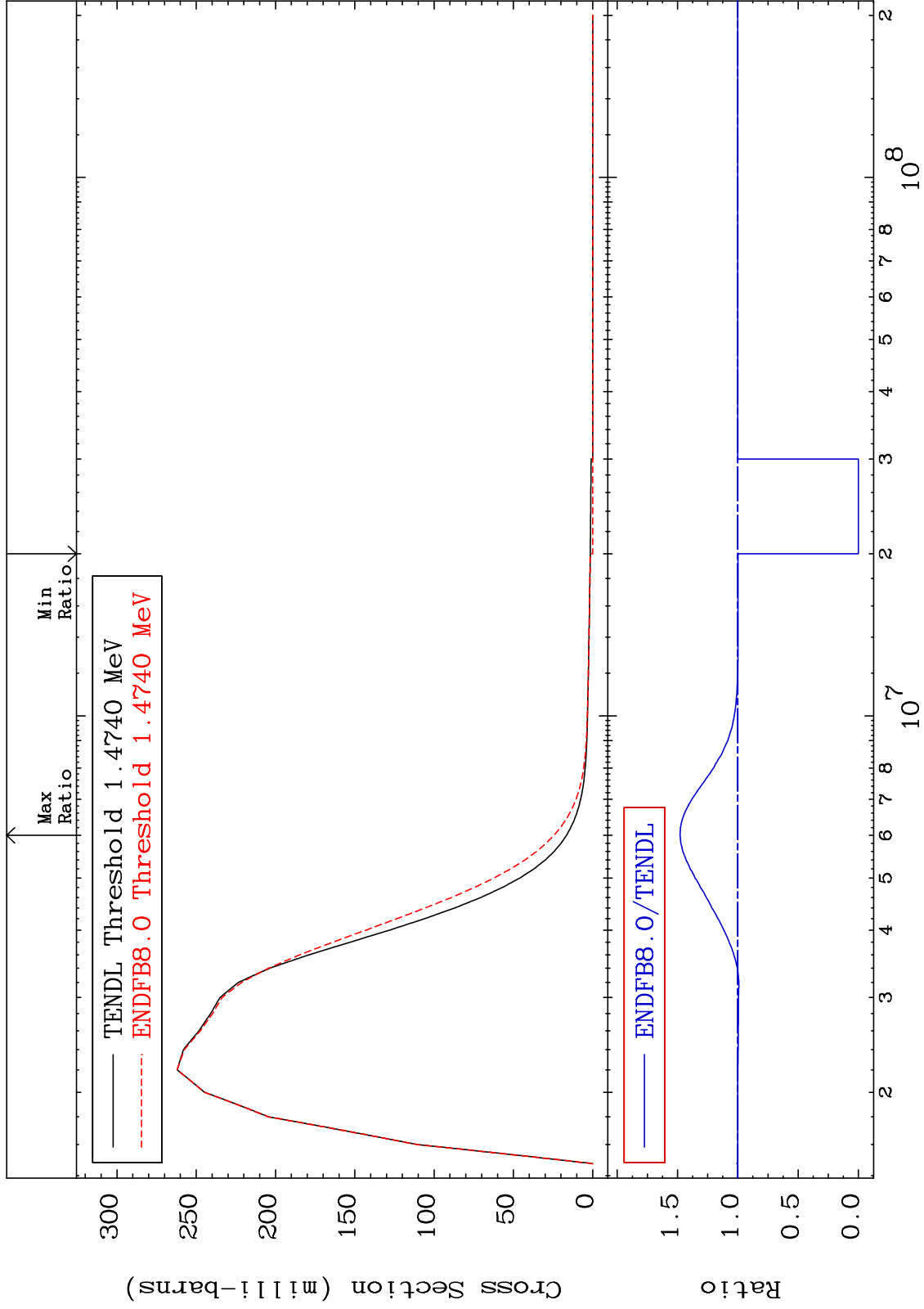
82-Pb-206
-100.0 To 159.6 %



MAT 8231

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

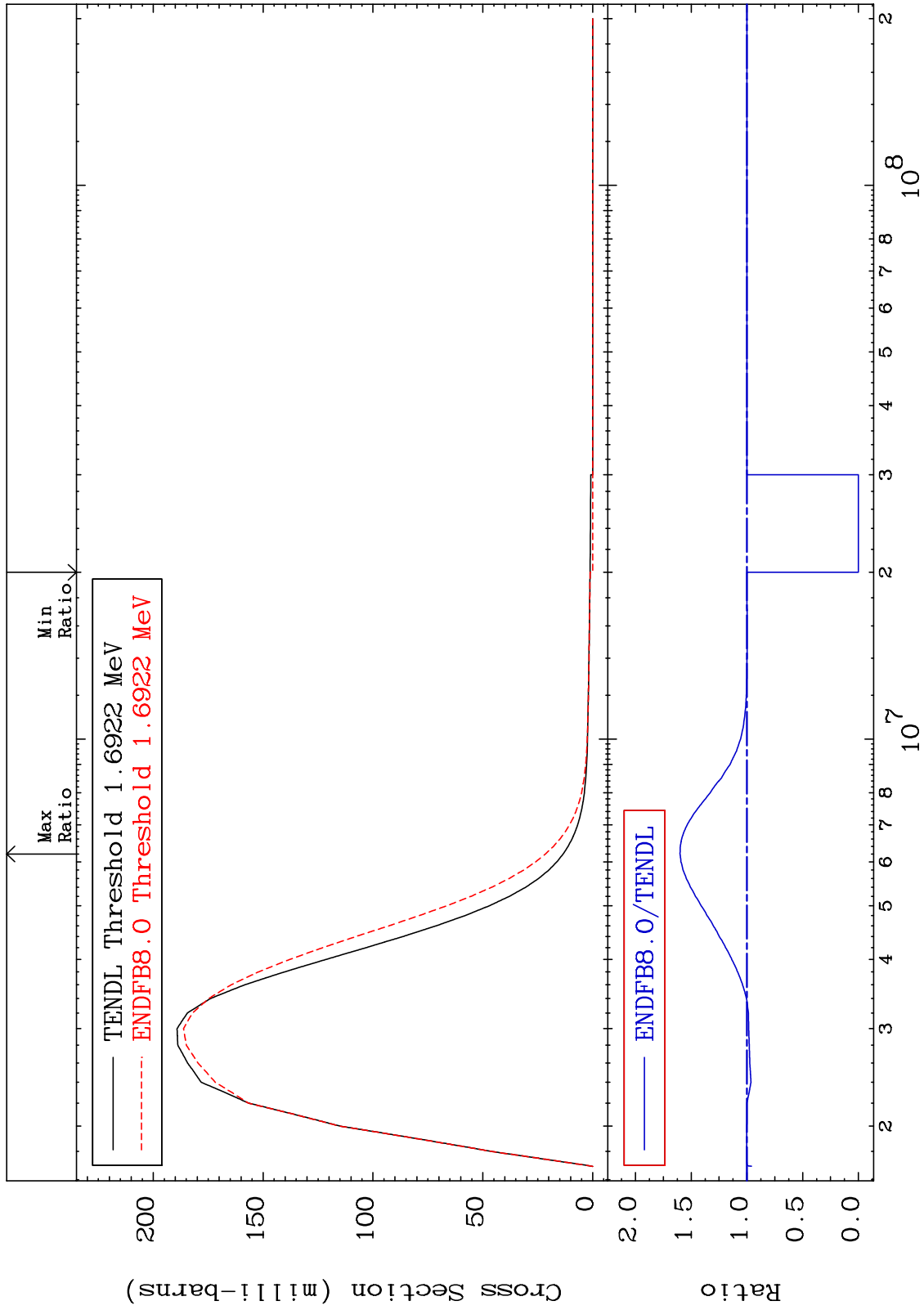
82-Pb-206
-100.0 To 47.93 %



MAT 8231

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

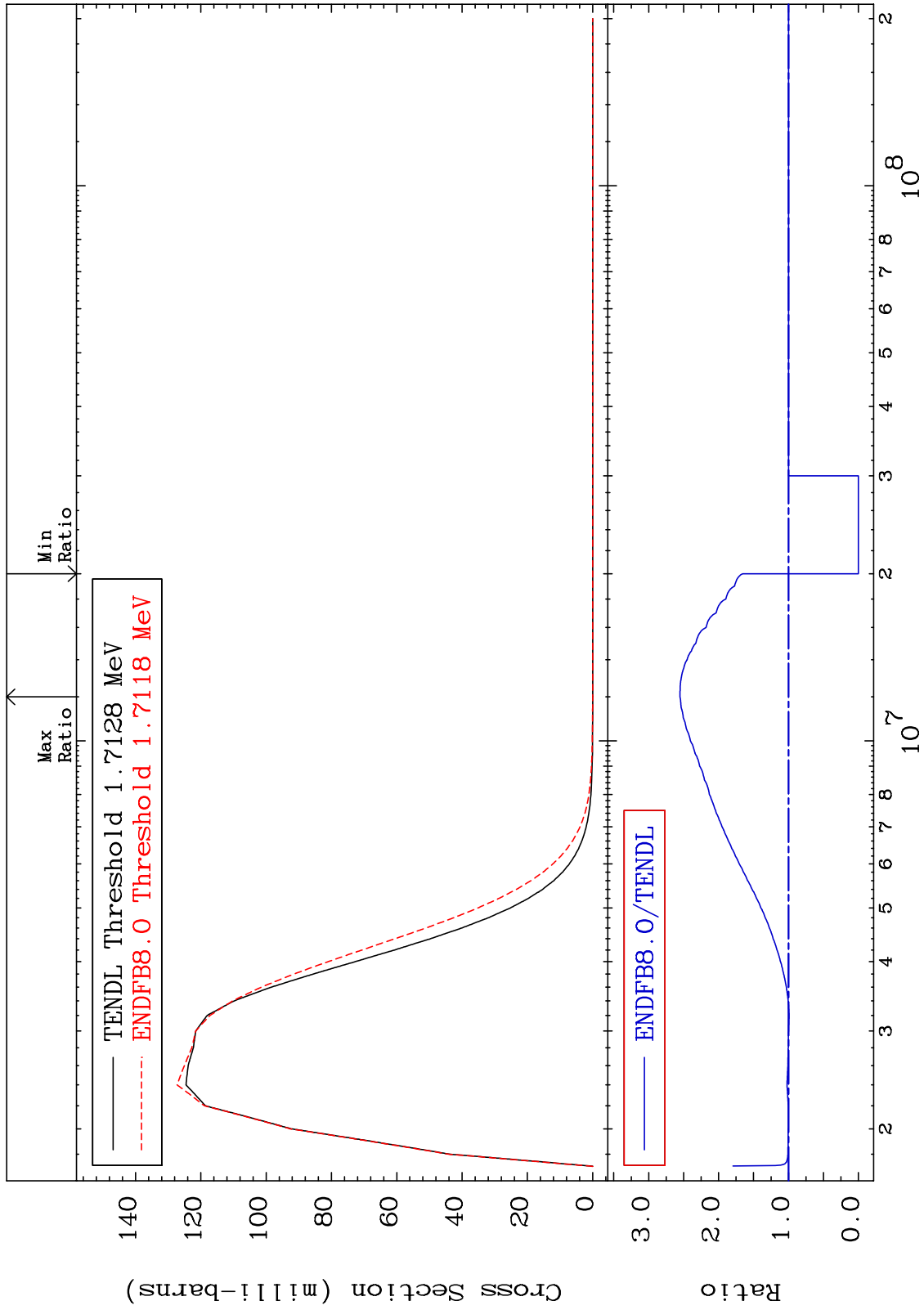
82-Pb-206
-100.0 To 60.07 %



MAT 8231

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

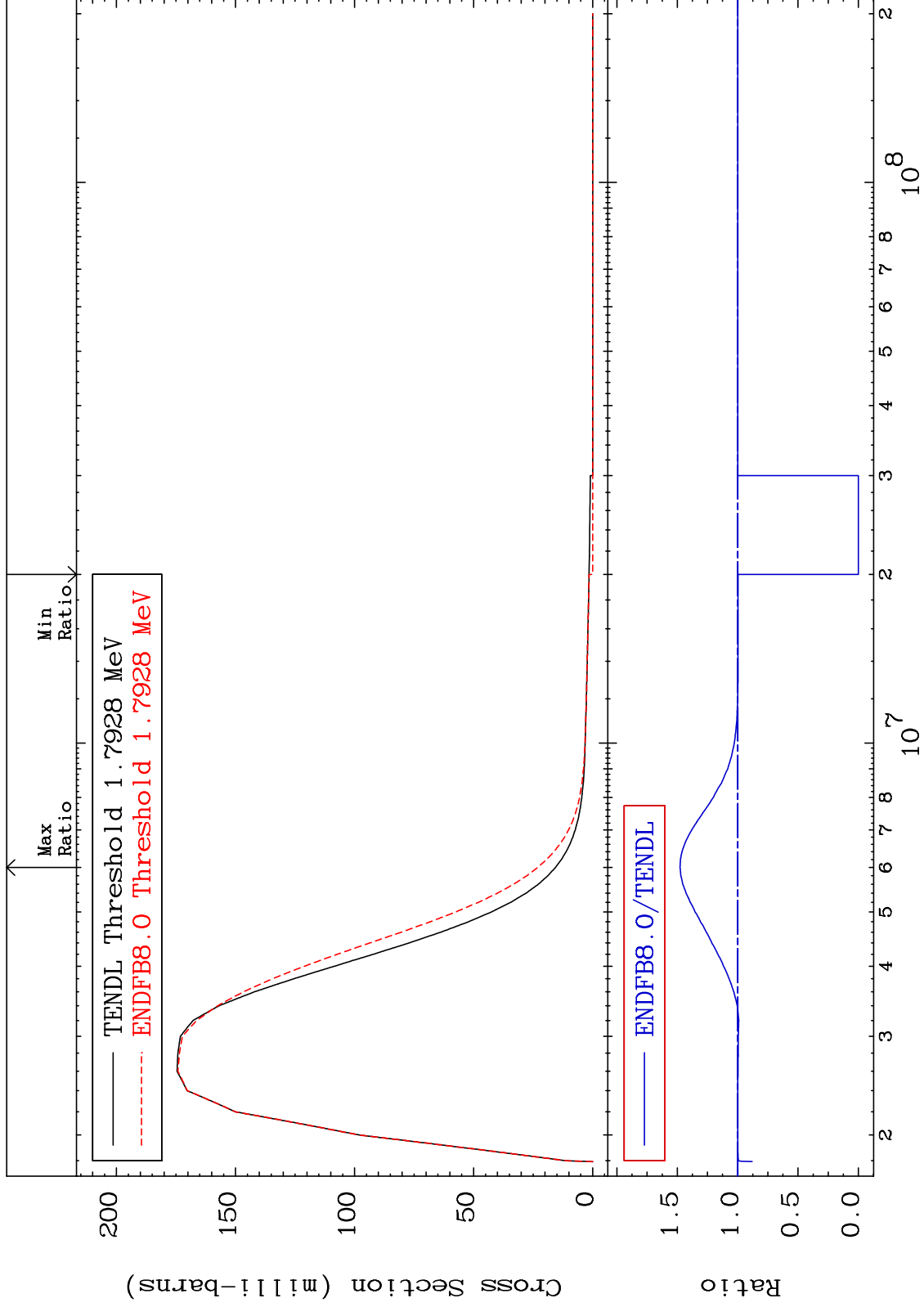
82-Pb-206
-100.0 To 155.2 %



MAT 8231

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

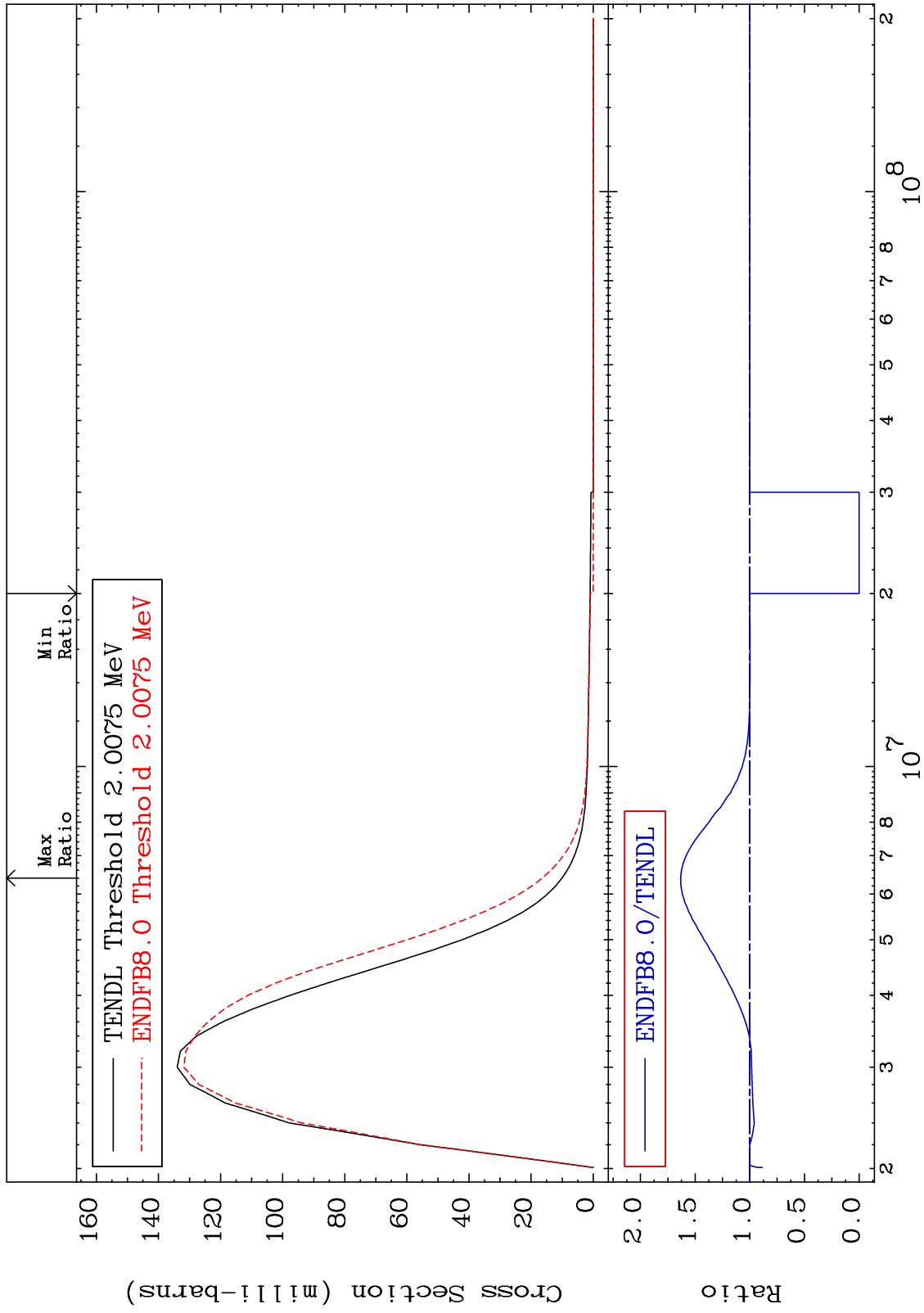
82-Pb-206
-100.0 To 47.74 %



MAT 8231

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

82-Pb-206
-100.0 To 63.26 %



20

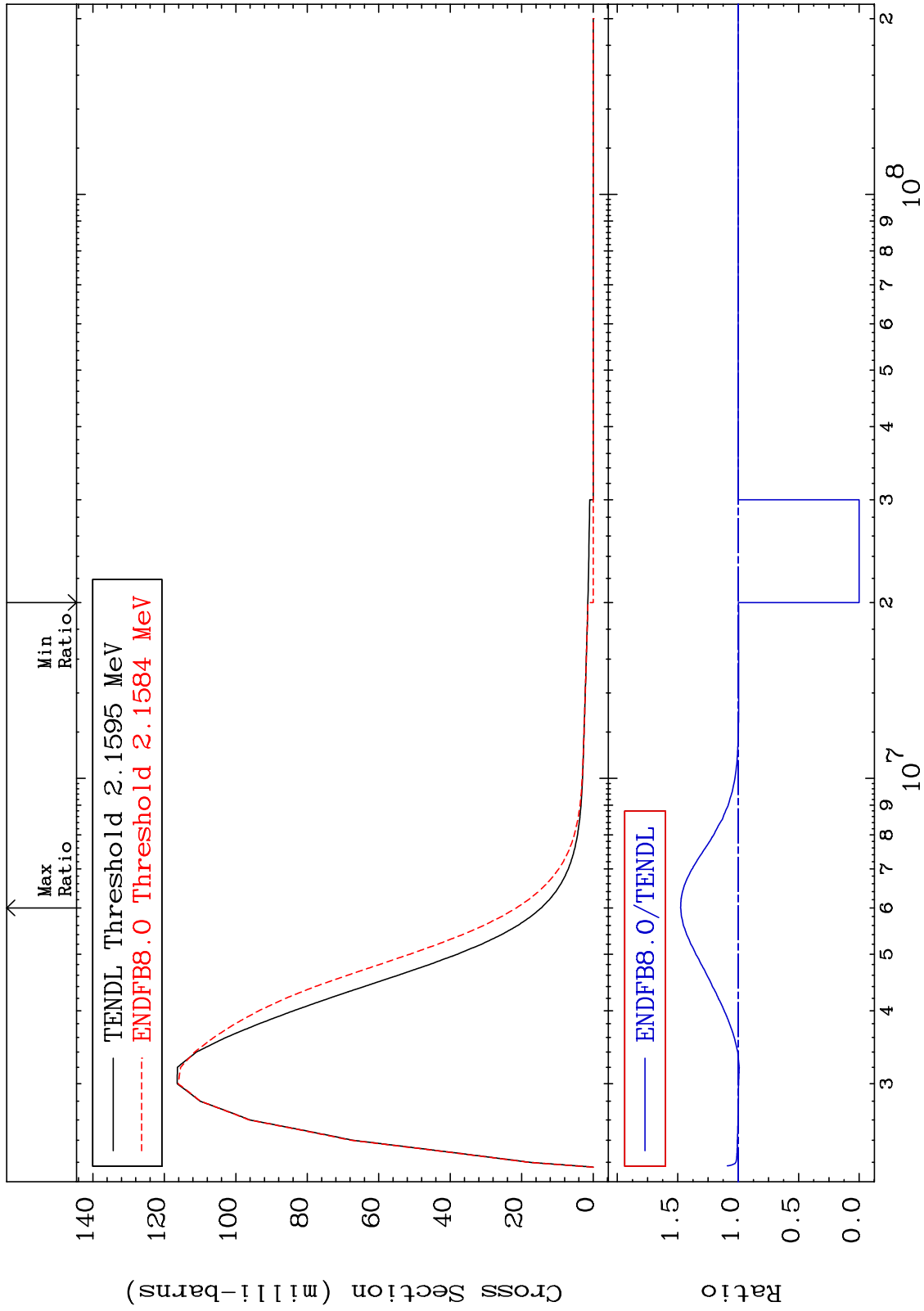
82-Pb-206

82-Pb-206

MAT 8231

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

82-Pb-206
-100.0 To 47.65 %



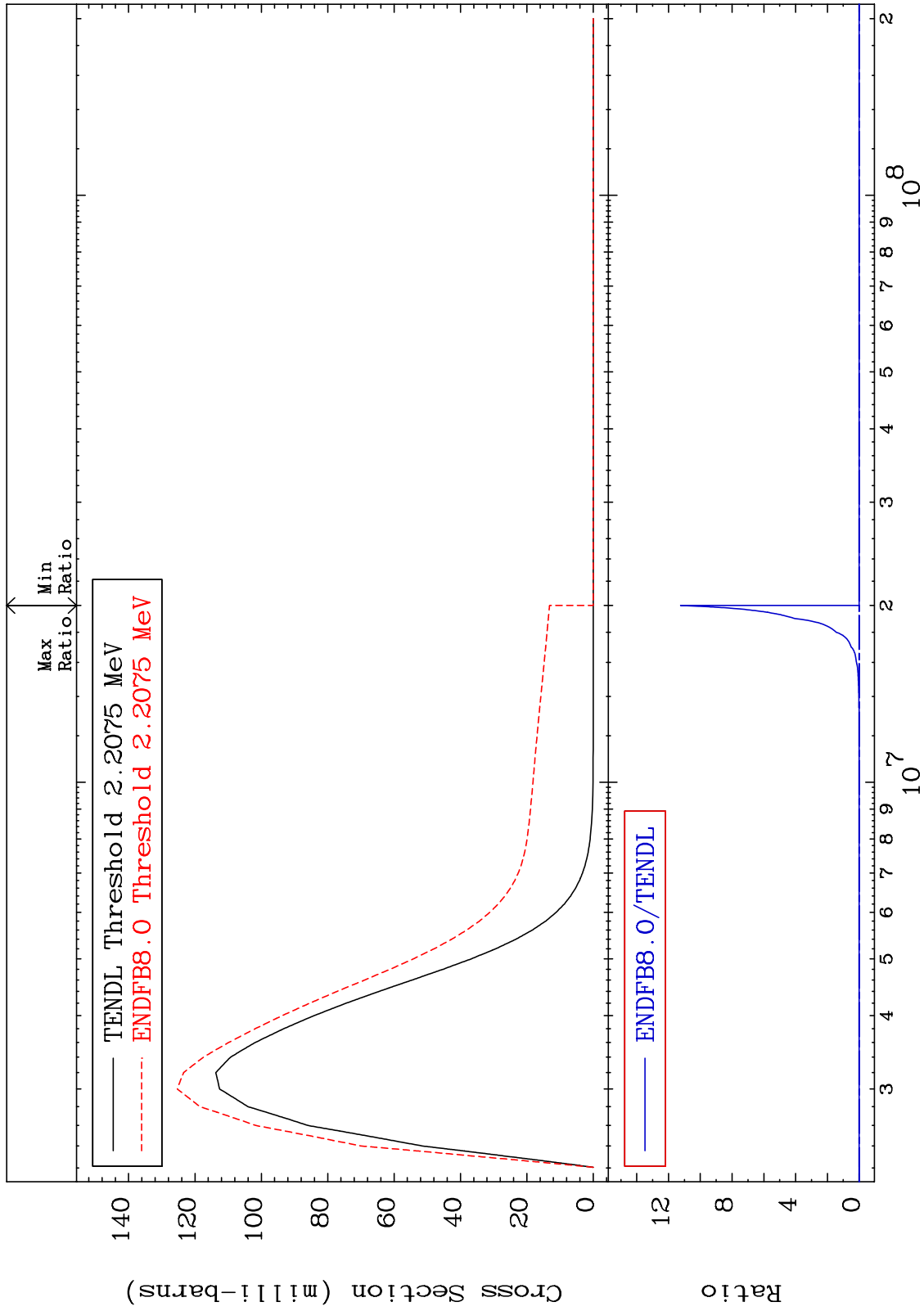
MAT 8231

MT= 60 (n,n') Level

82-Pb-206

-100.0 To 9999. %

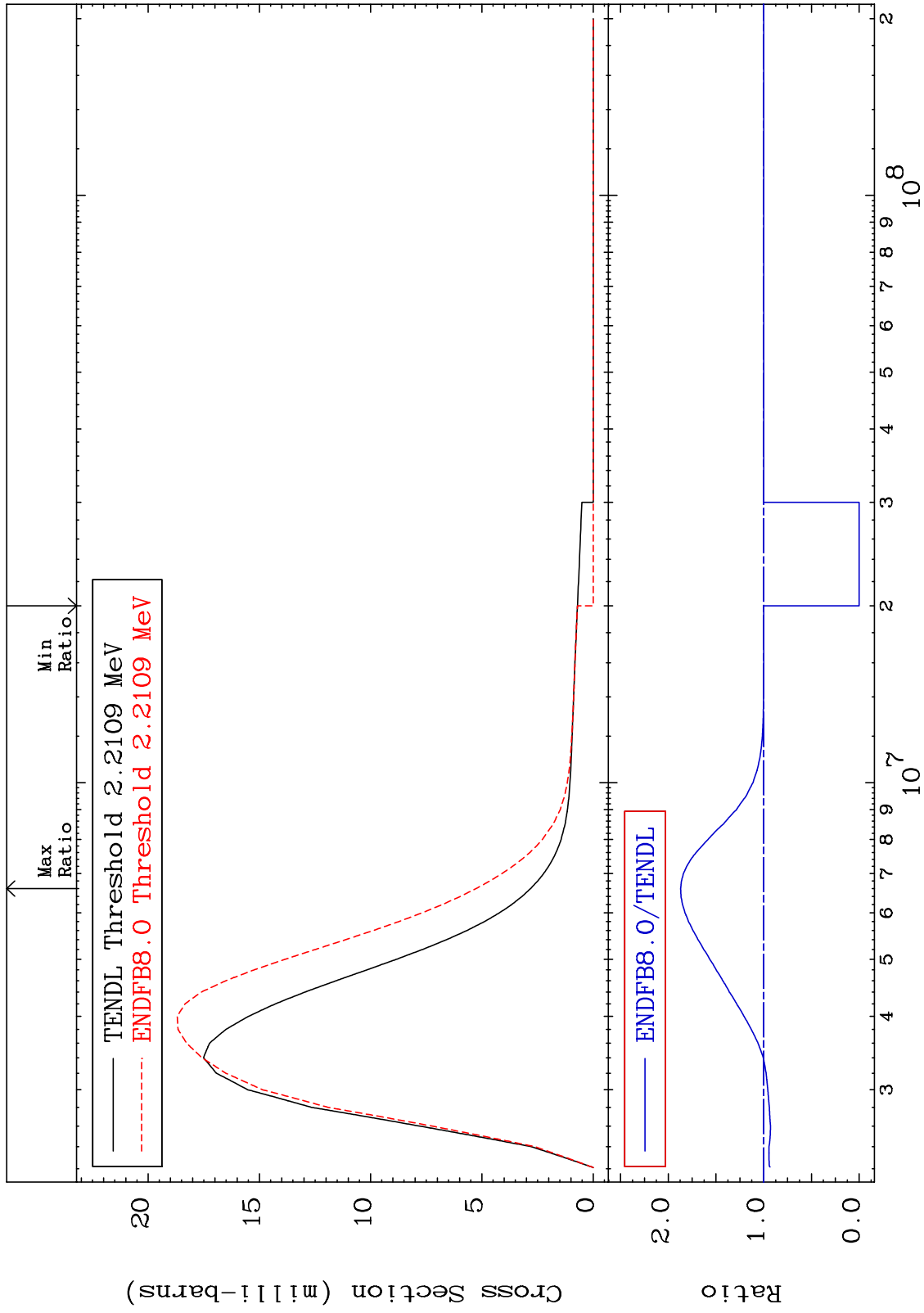
Cross Section

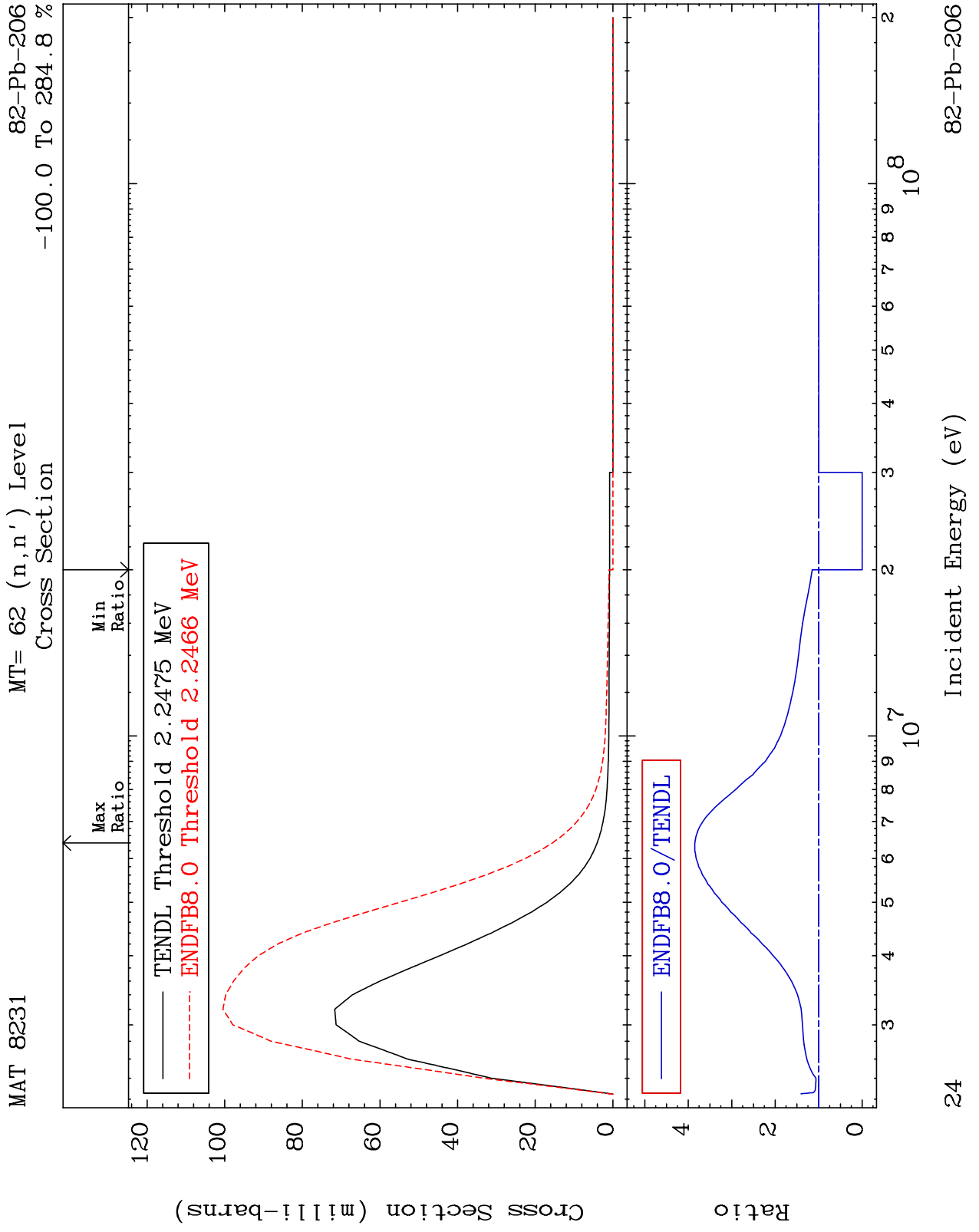


MAT 8231

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

82-Pb-206
-100.0 To 87.09 %

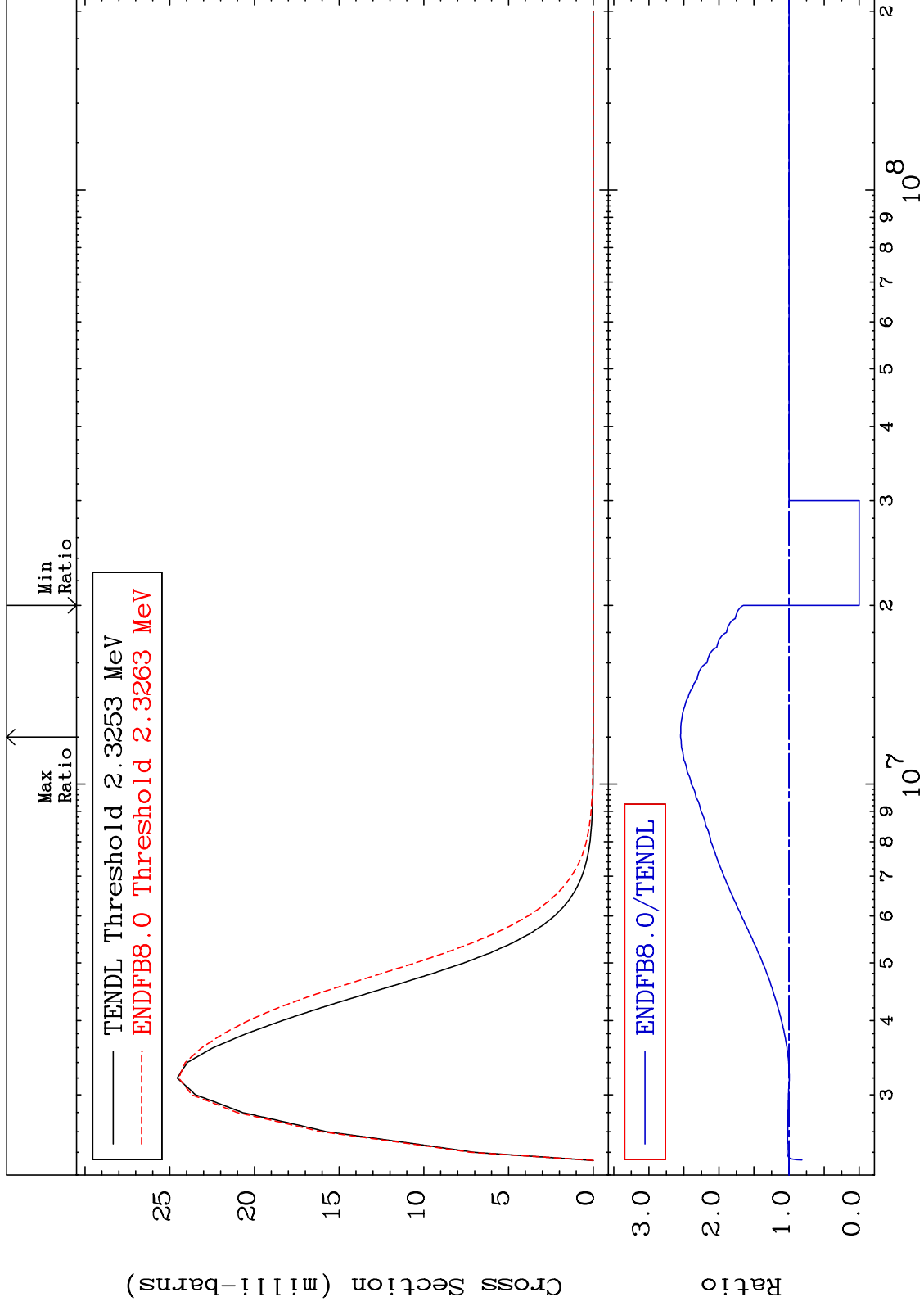




MAT 8231

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

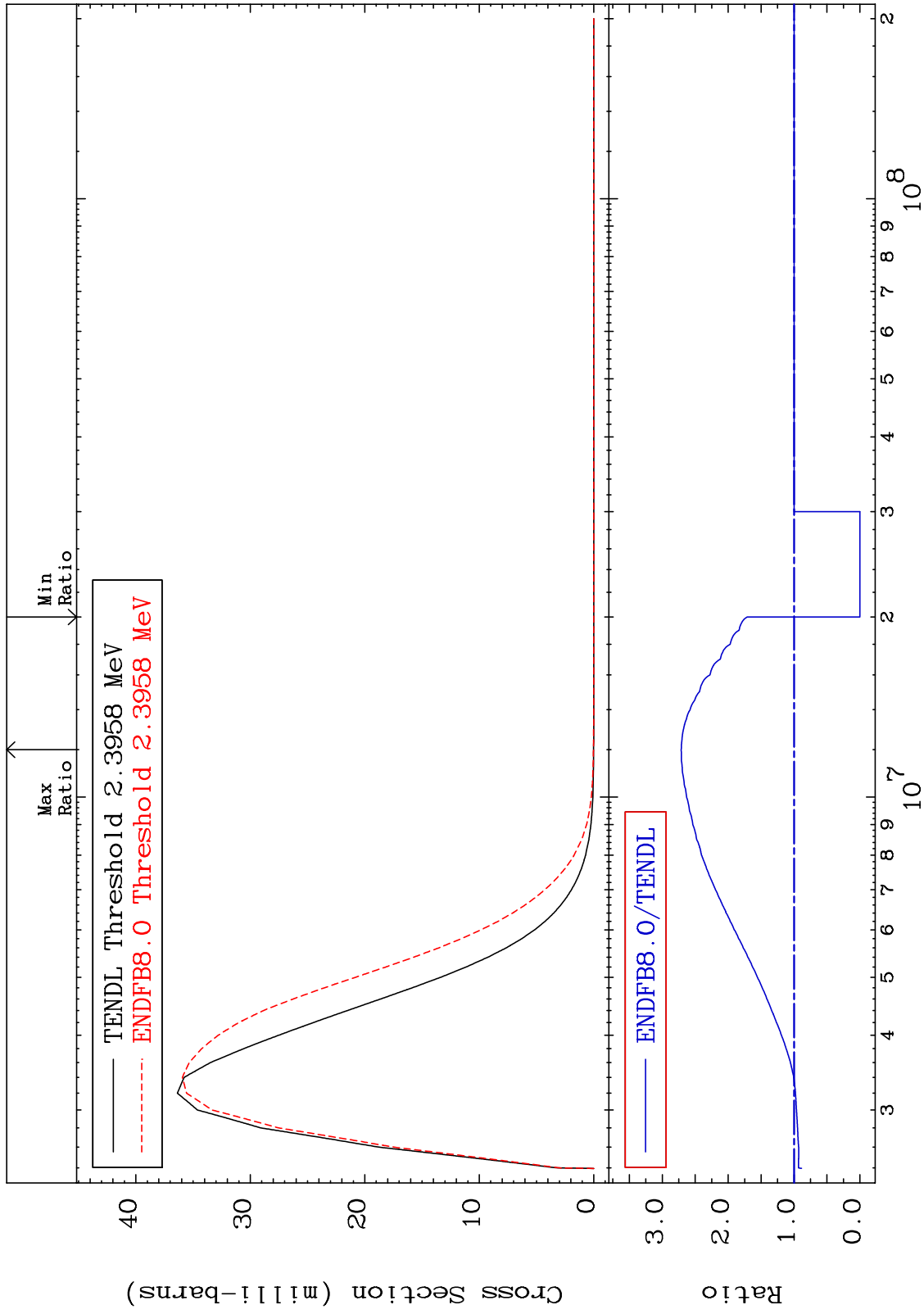
82-Pb-206
-100.0 To 154.7 %



MAT 8231

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

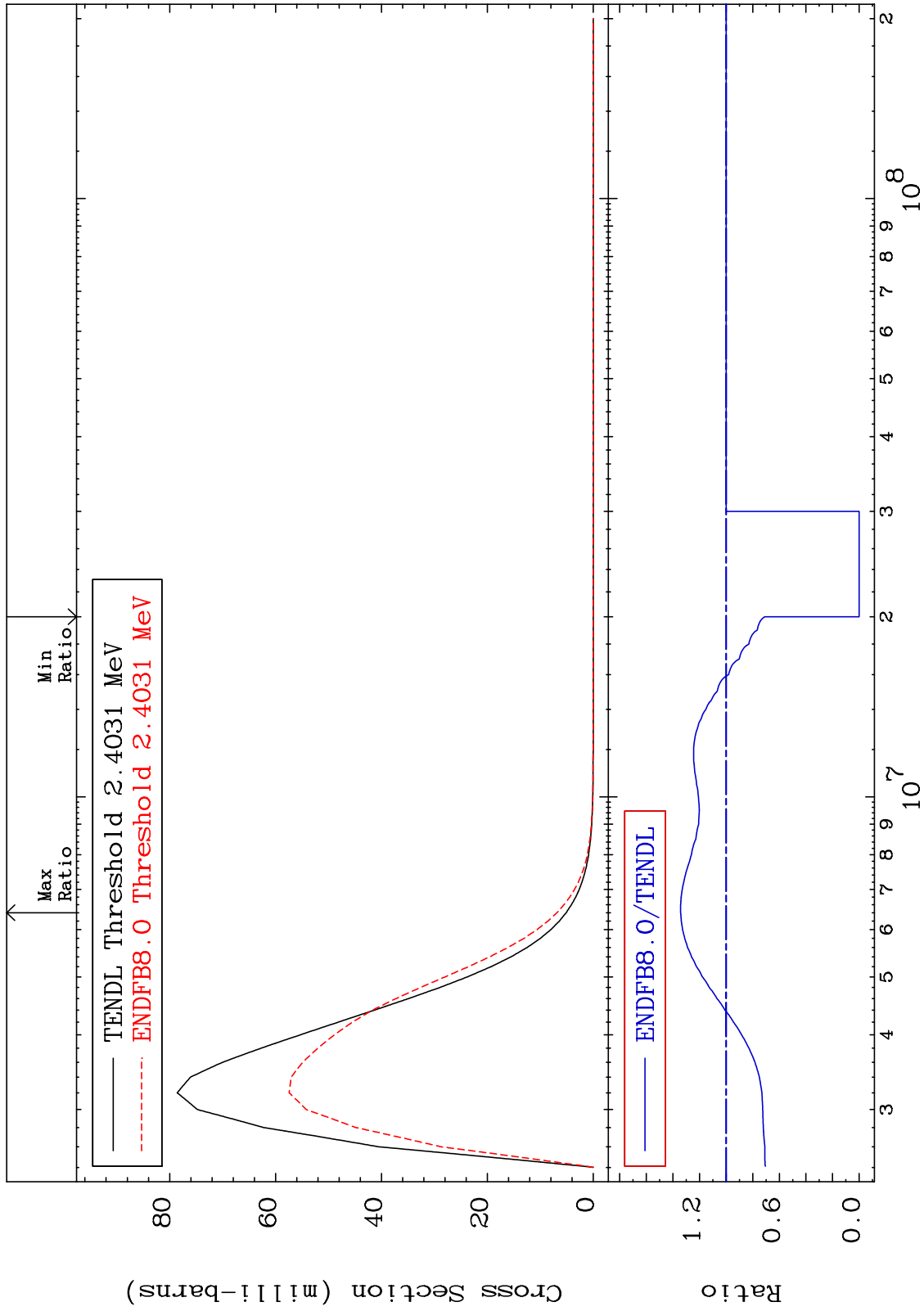
82-Pb-206
-100.0 To 171.3 %



MAT 8231

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

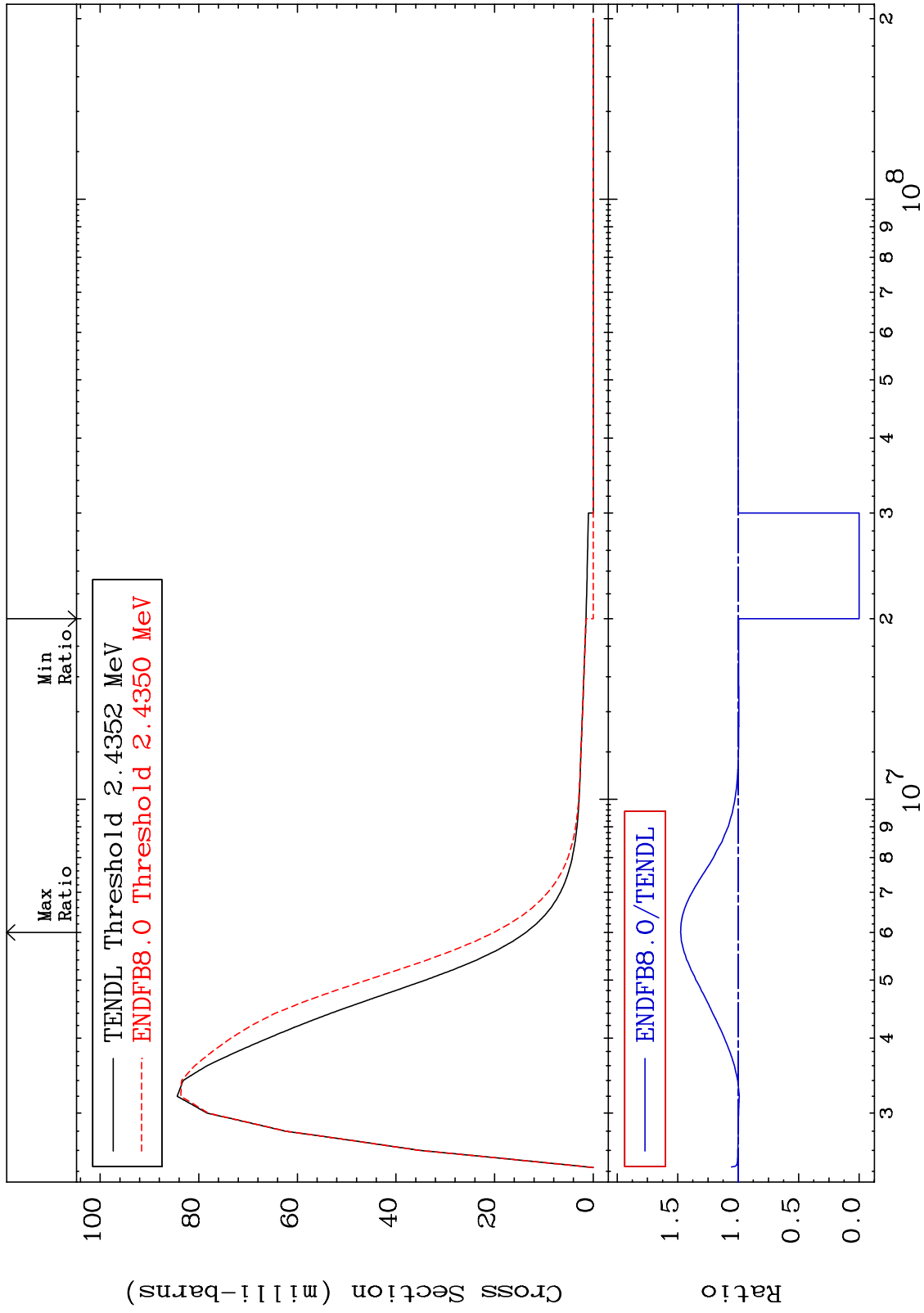
82-Pb-206
-100.0 To 34.21 %



MAT 8231

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

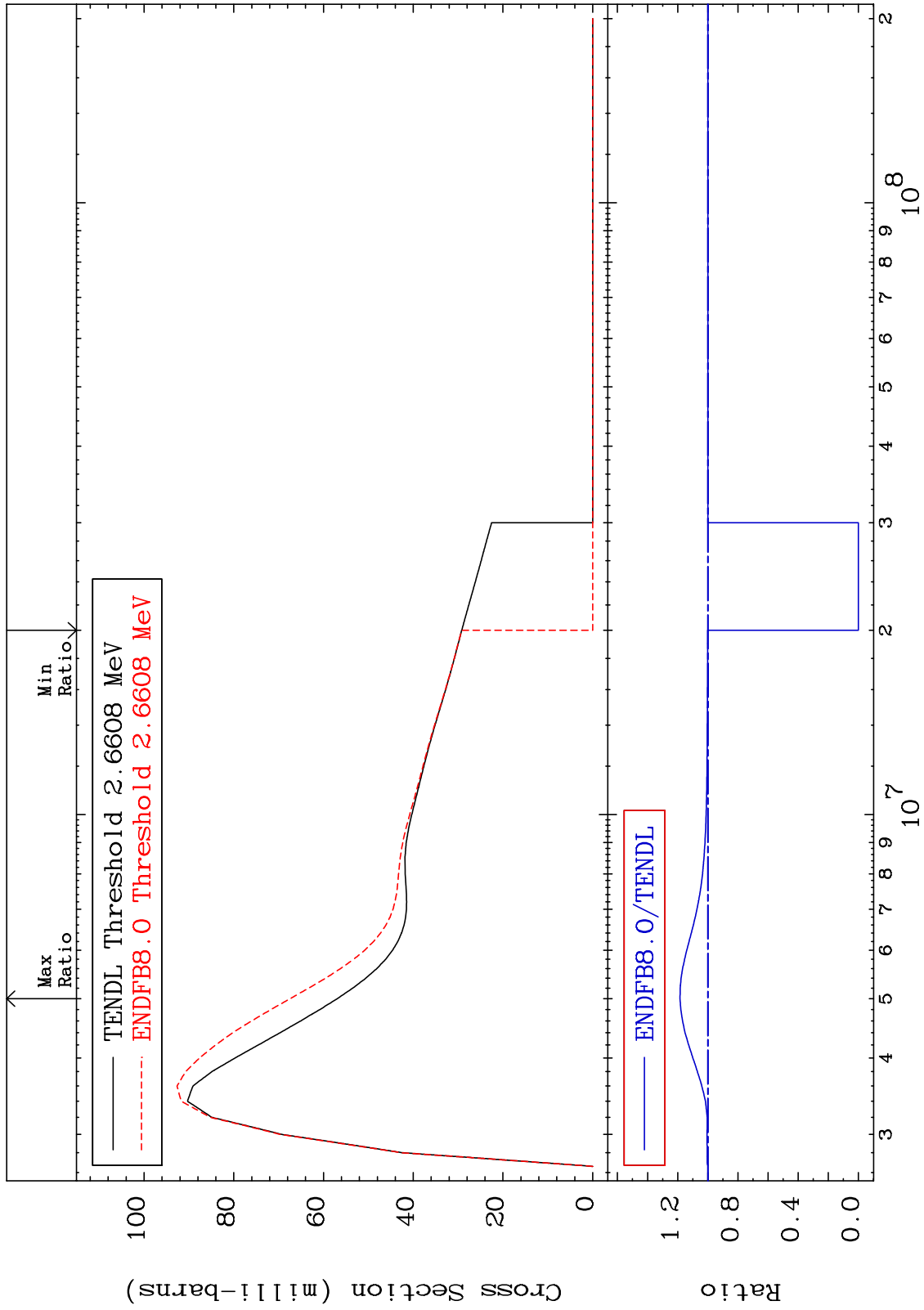
82-Pb-206
-100.0 To 47.59 %



MAT 8231

MT= 67 (n,n') Level
Cross Section

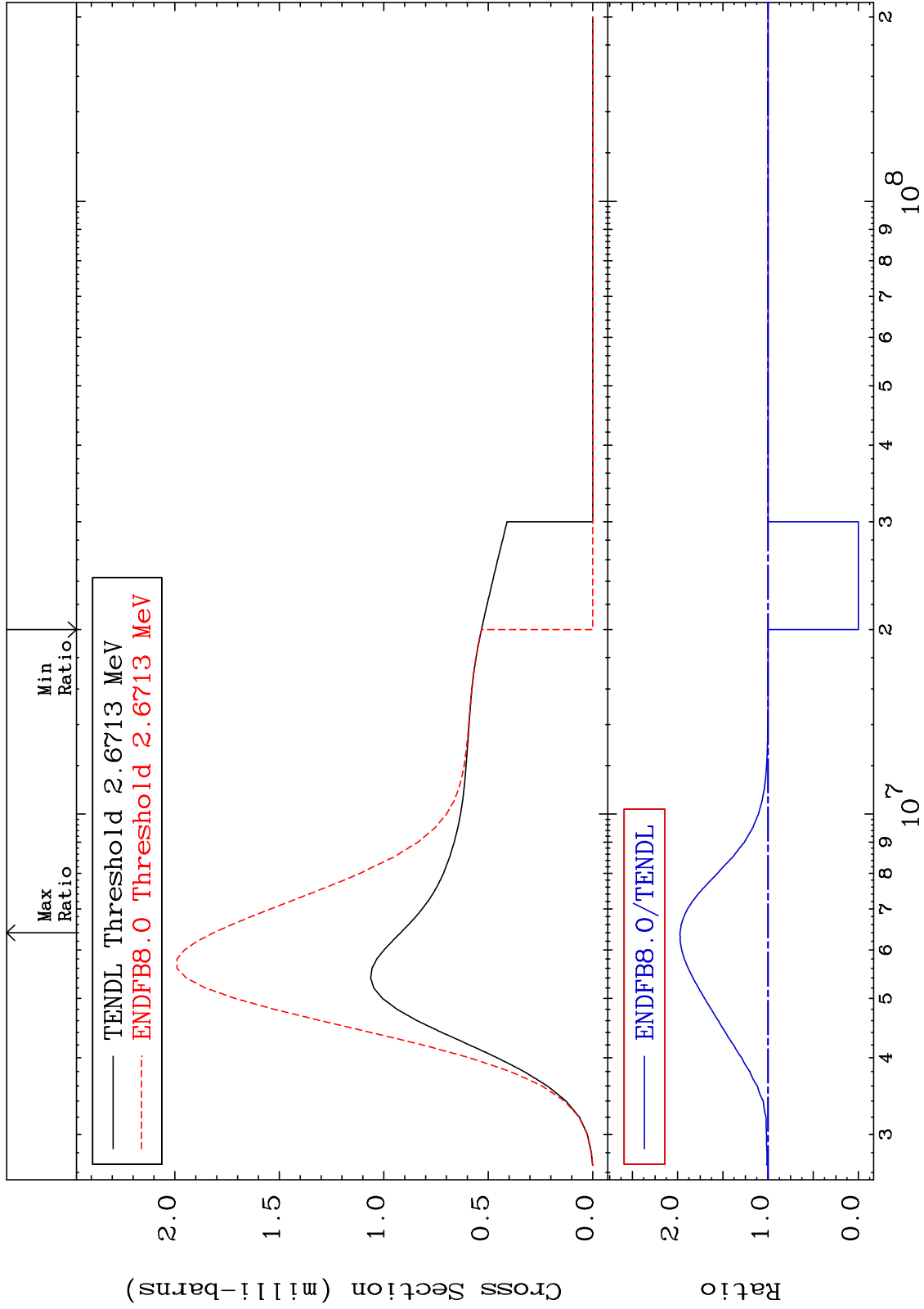
82-Pb-206
-100.0 To 18.45 %



MAT 8231

MT= 68 (n,n') Level
Cross Section

82-Pb-206
-100.0 To 97.34 %



30

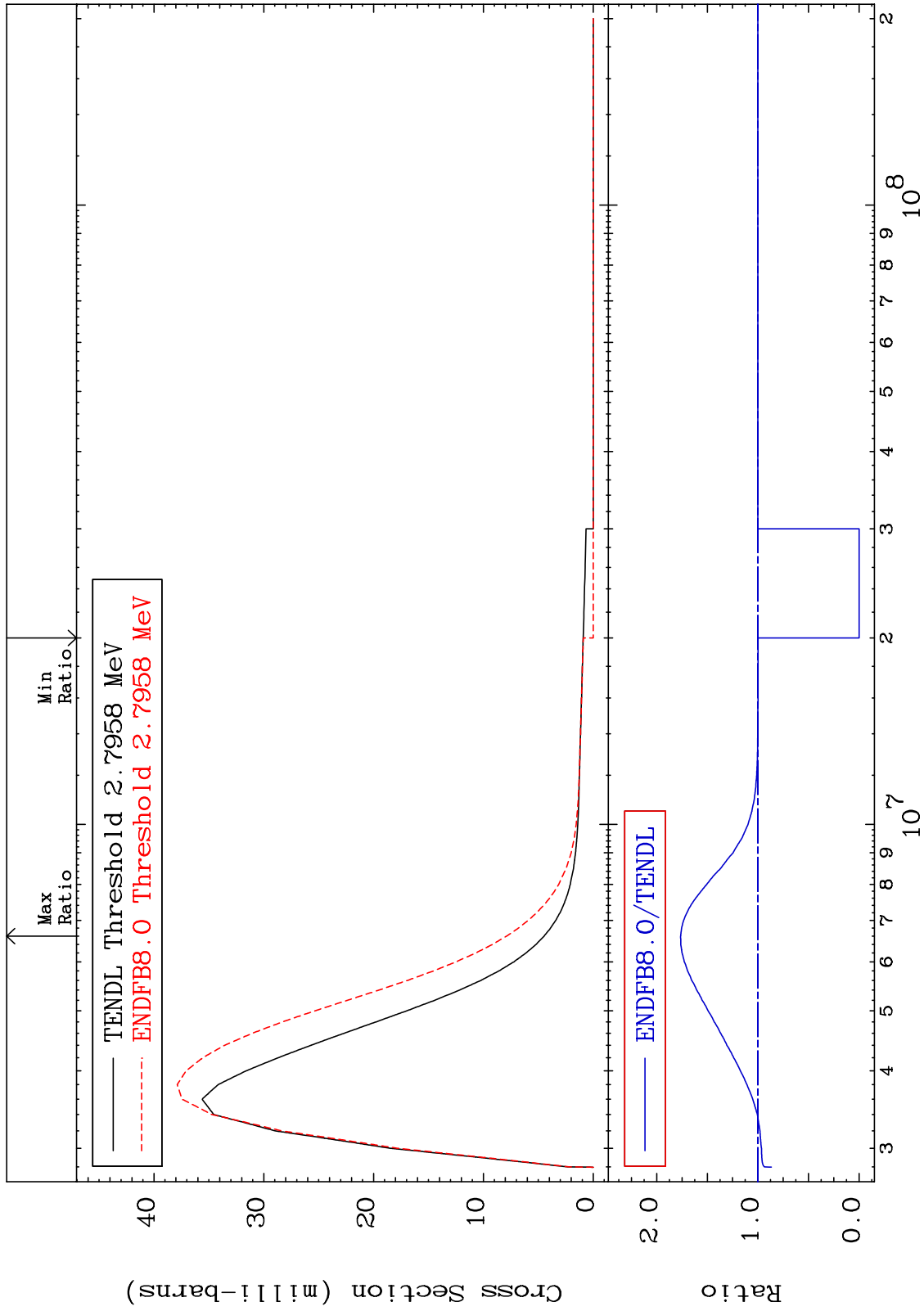
Incident Energy (eV)

82-Pb-206

MAT 8231

MT= 69 (n,n') Level
Cross Section

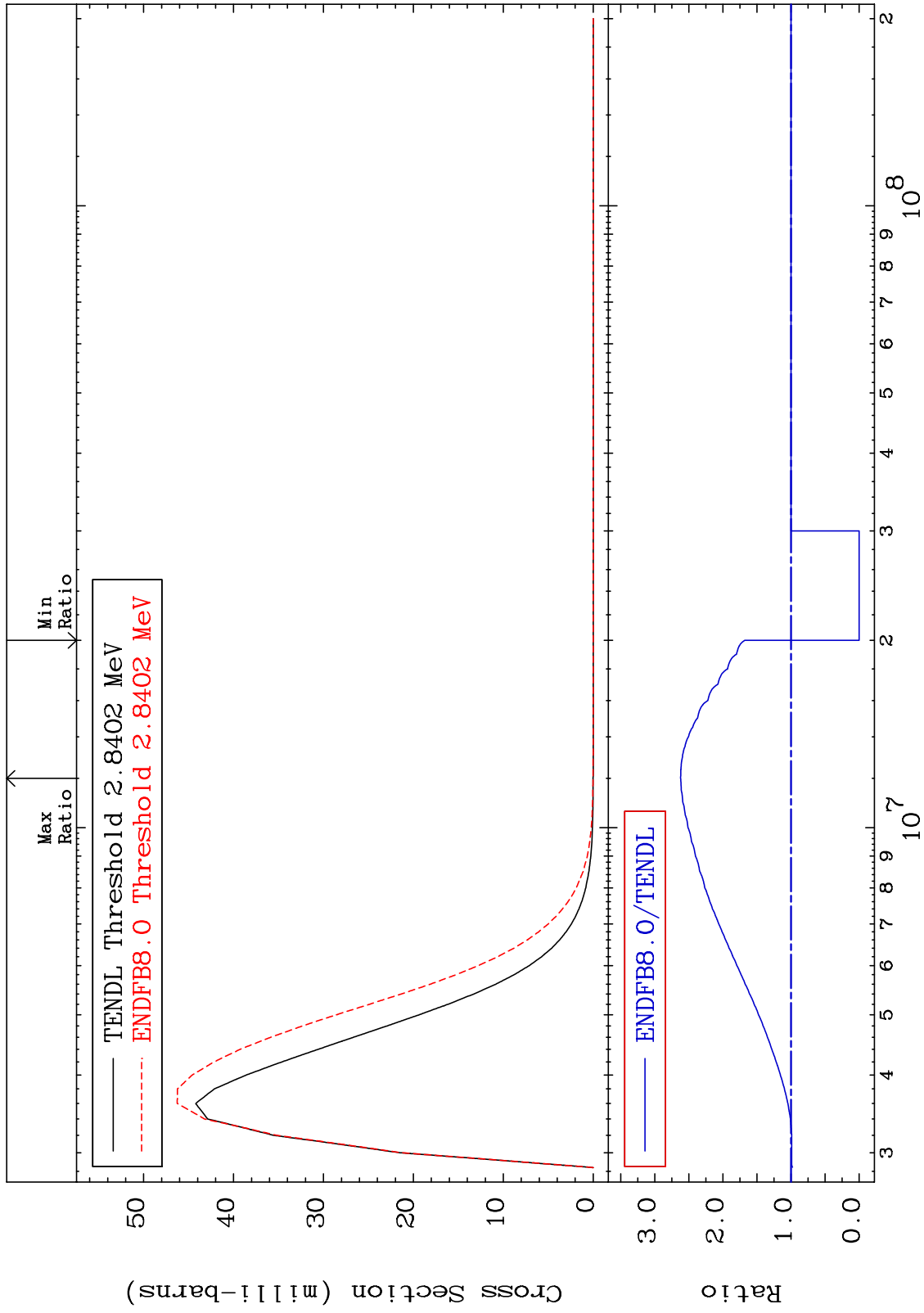
82-Pb-206
-100.0 To 76.36 %



MAT 8231

MT= 70 (n,n') Level
Cross Section

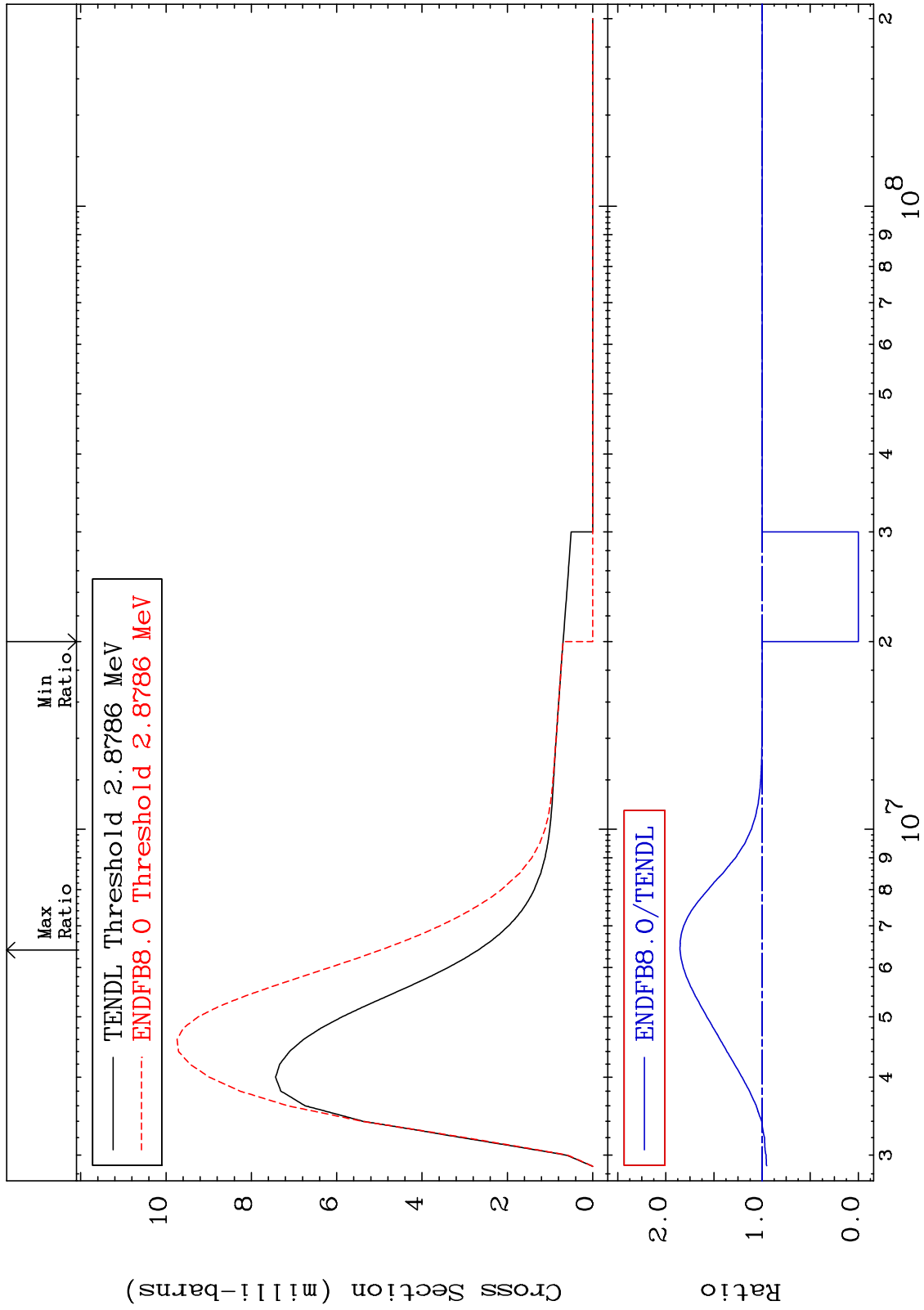
82-Pb-206
-100.0 To 162.0 %



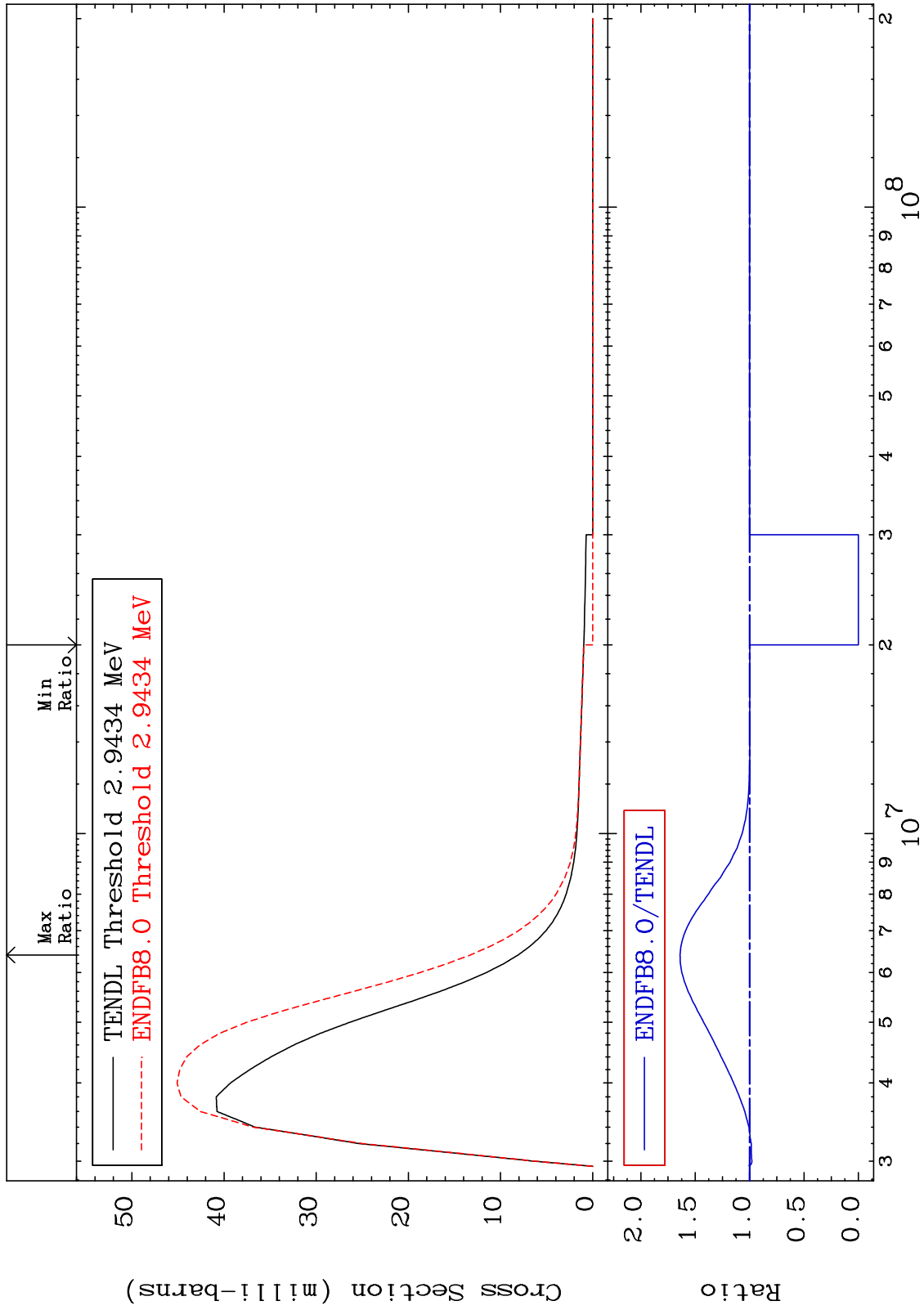
MAT 8231

MT= 71 (n,n') Level
Cross Section

82-Pb-206
-100.0 To 85.27 %



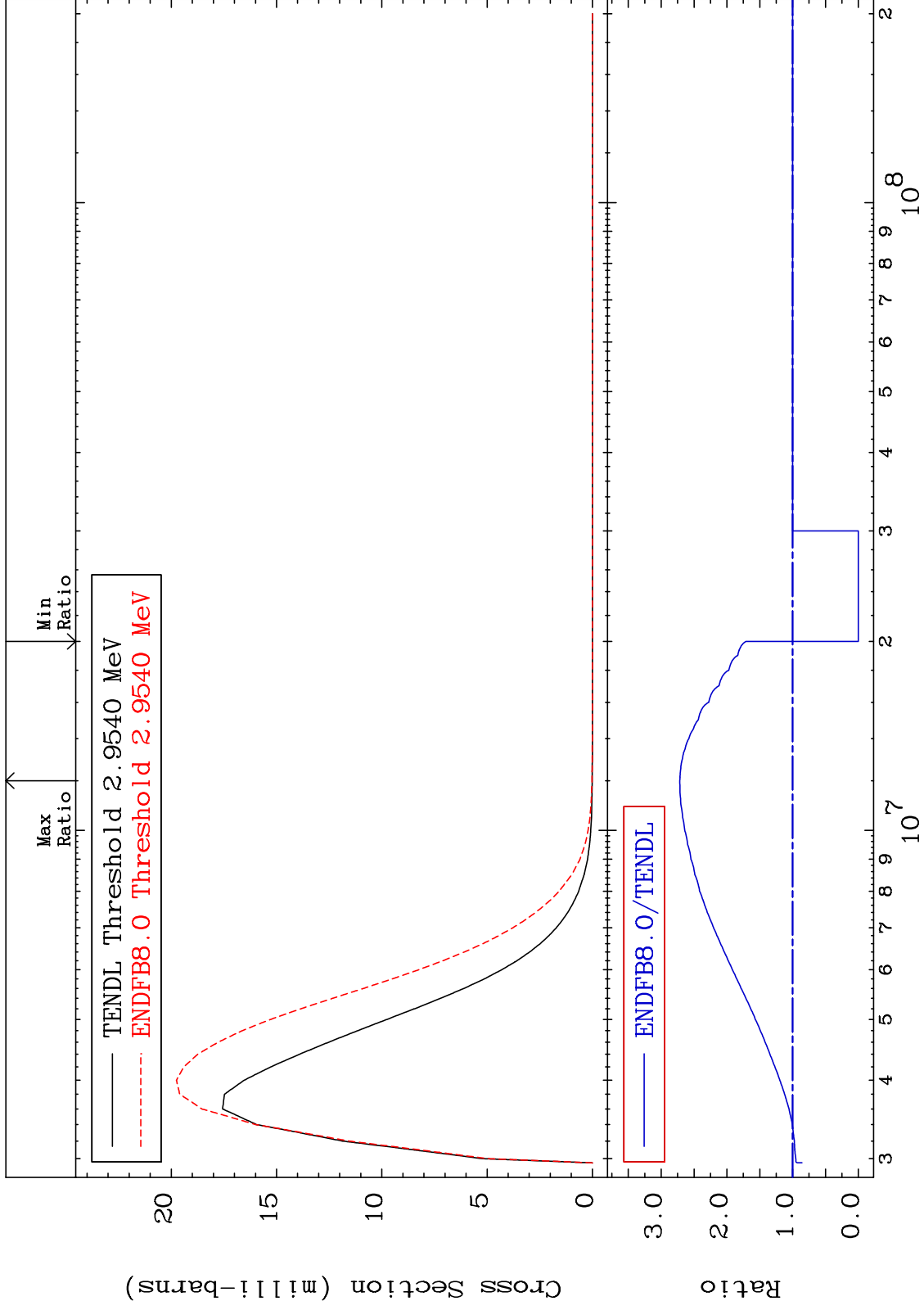
MAT 8231 MT= 72 (n,n') Level Cross Section 82-Pb-206
 -100.0 To 63.99 %



MAT 8231

MT= 73 (n, n') Level
Cross Section

82-Pb-206
-100.0 To 171.7 %



35

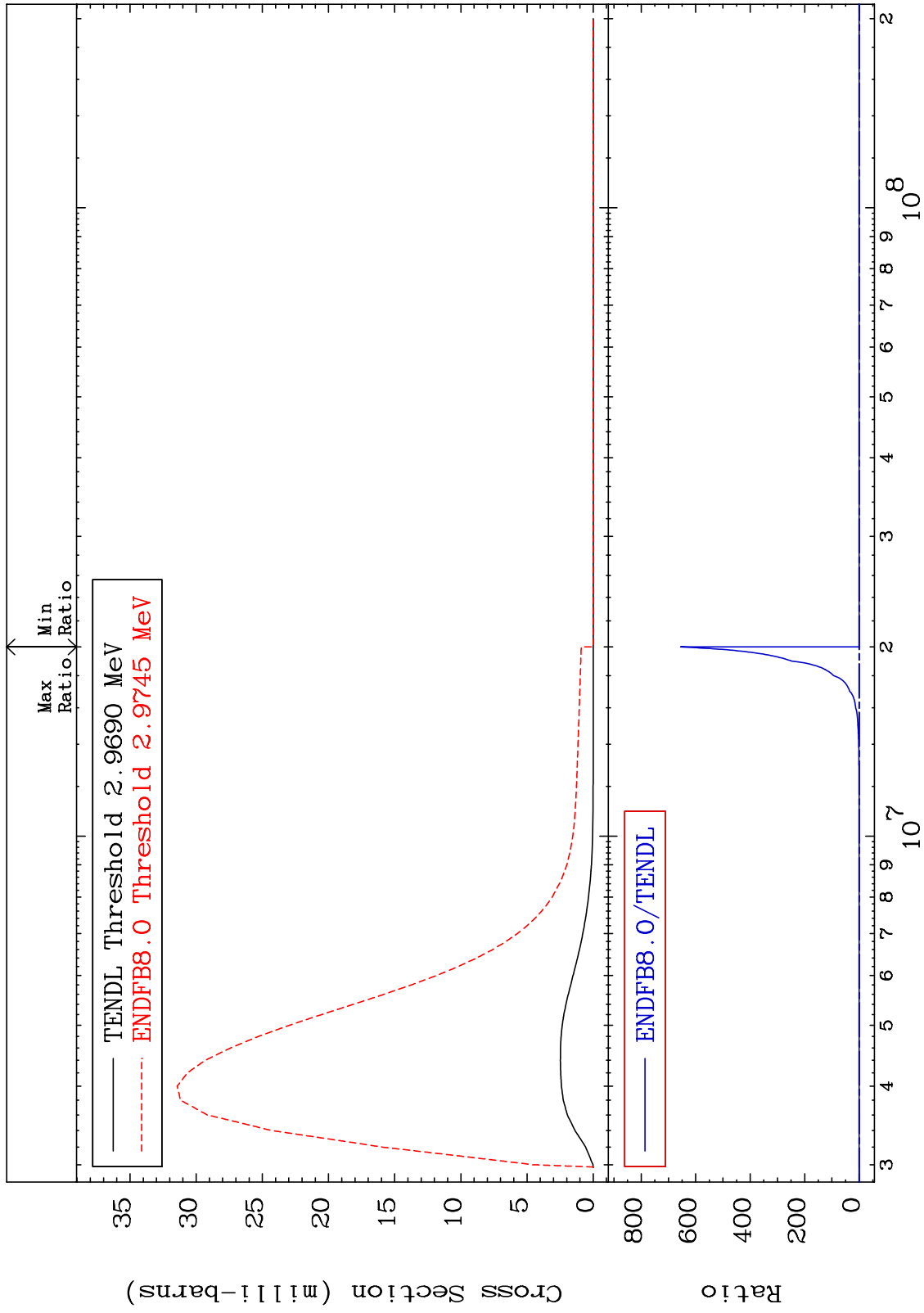
Incident Energy (eV)

82-Pb-206

MAT 8231

MT= 74 (n,n') Level
Cross Section

82-Pb-206
-100.0 To 9999. %



36

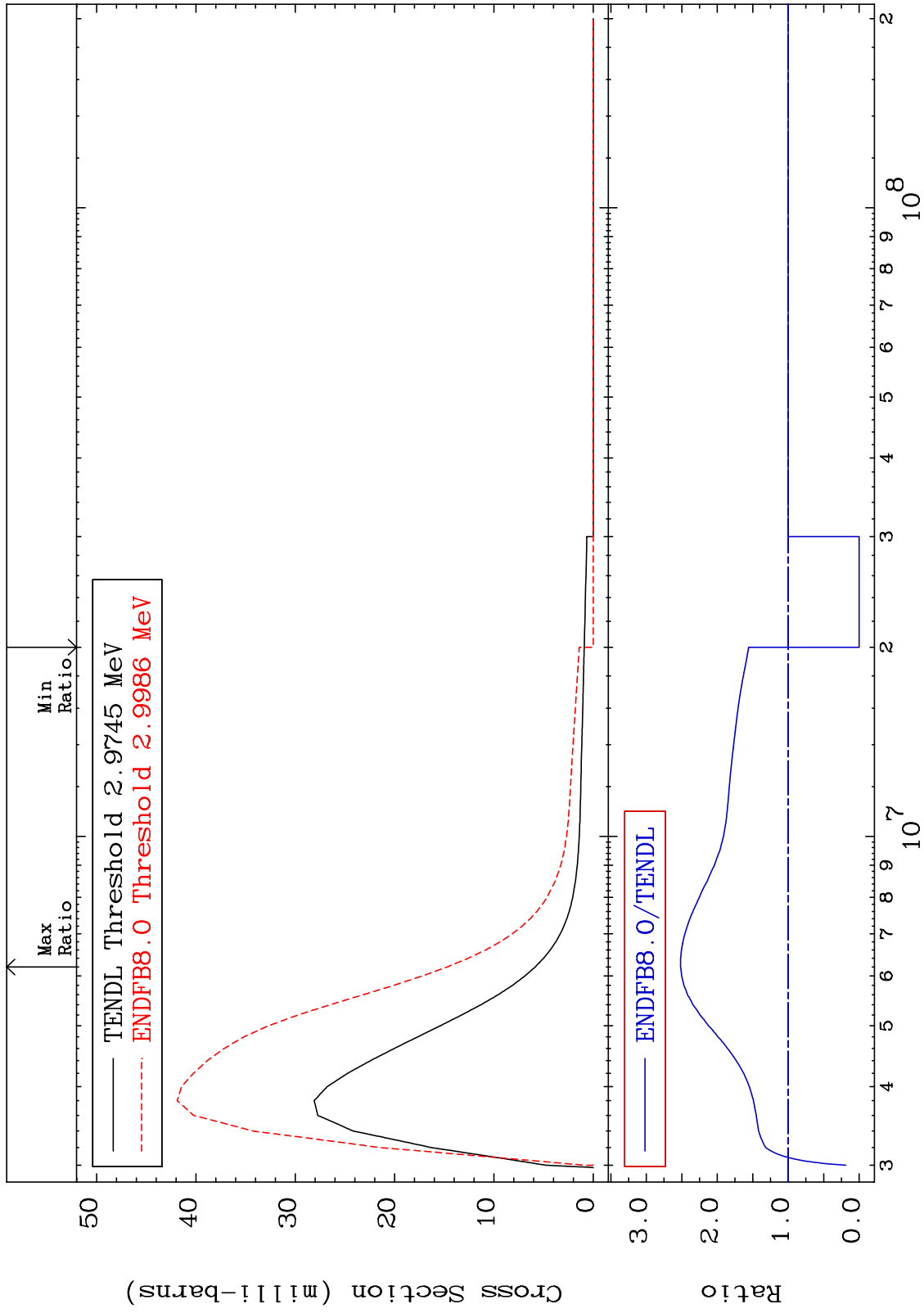
Incident Energy (eV)

82-Pb-206

MAT 8231

MT= 75 (n,n') Level
Cross Section

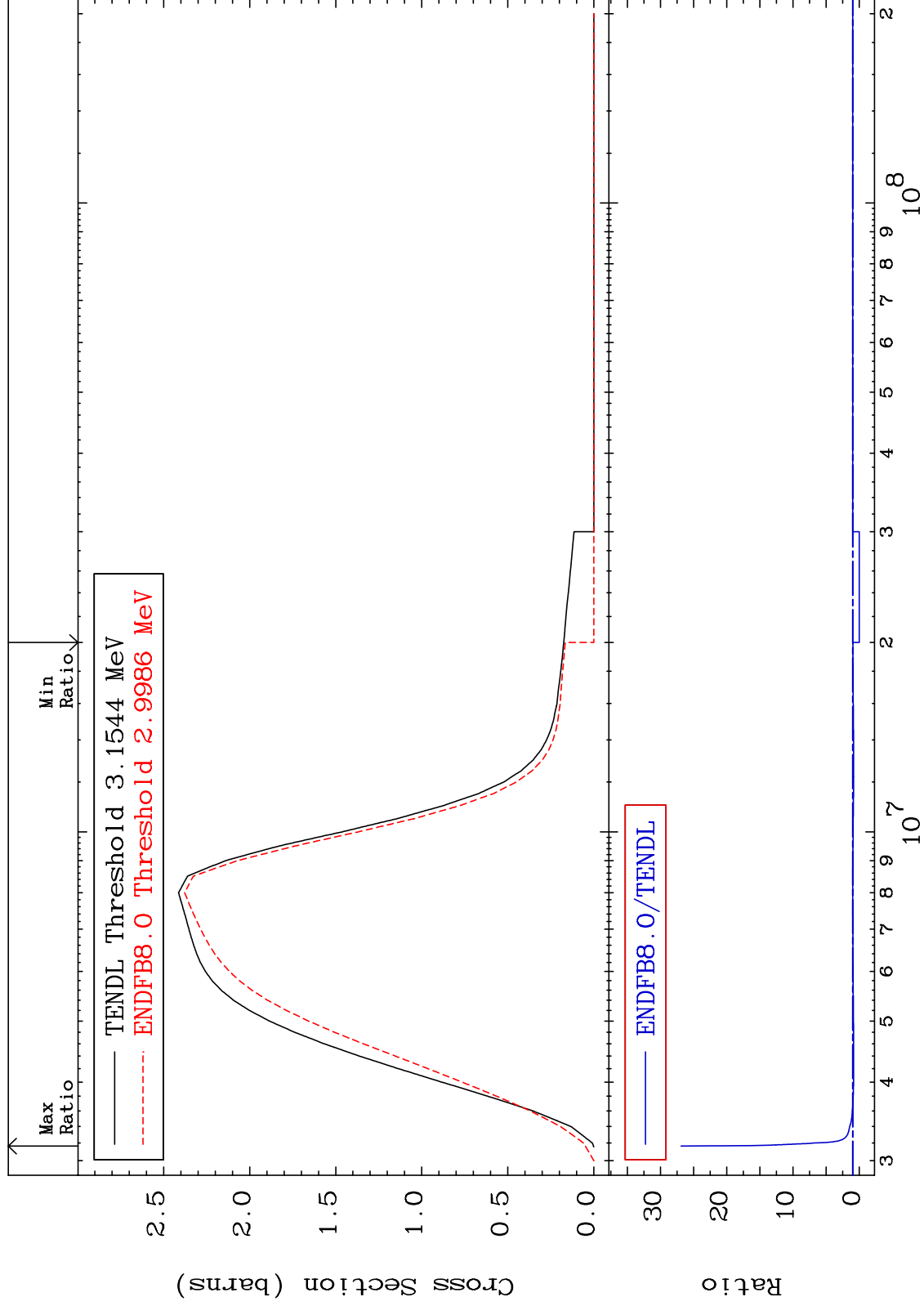
82-Pb-206
-100.0 To 151.7 %



MAT 8231

(n, n') Continuum
Cross Section

82-Pb-206
-100.0 To 2589. %



38

Incident Energy (eV)

82-Pb-206

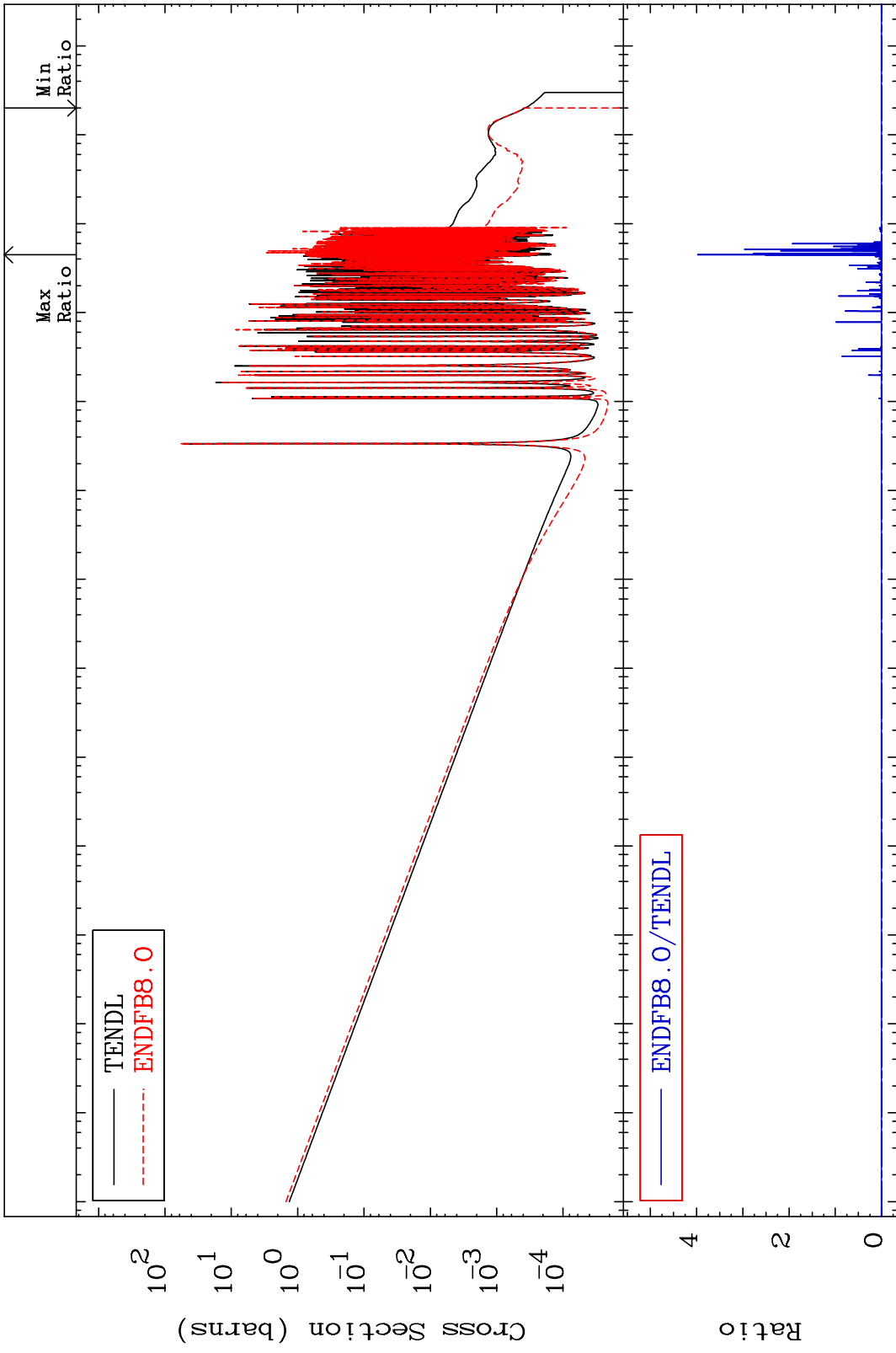
MAT 8231

(n, γ)

82-Pb-206

Cross Section

-100.0 To 9999. %



39

Incident Energy (eV)

82-Pb-206

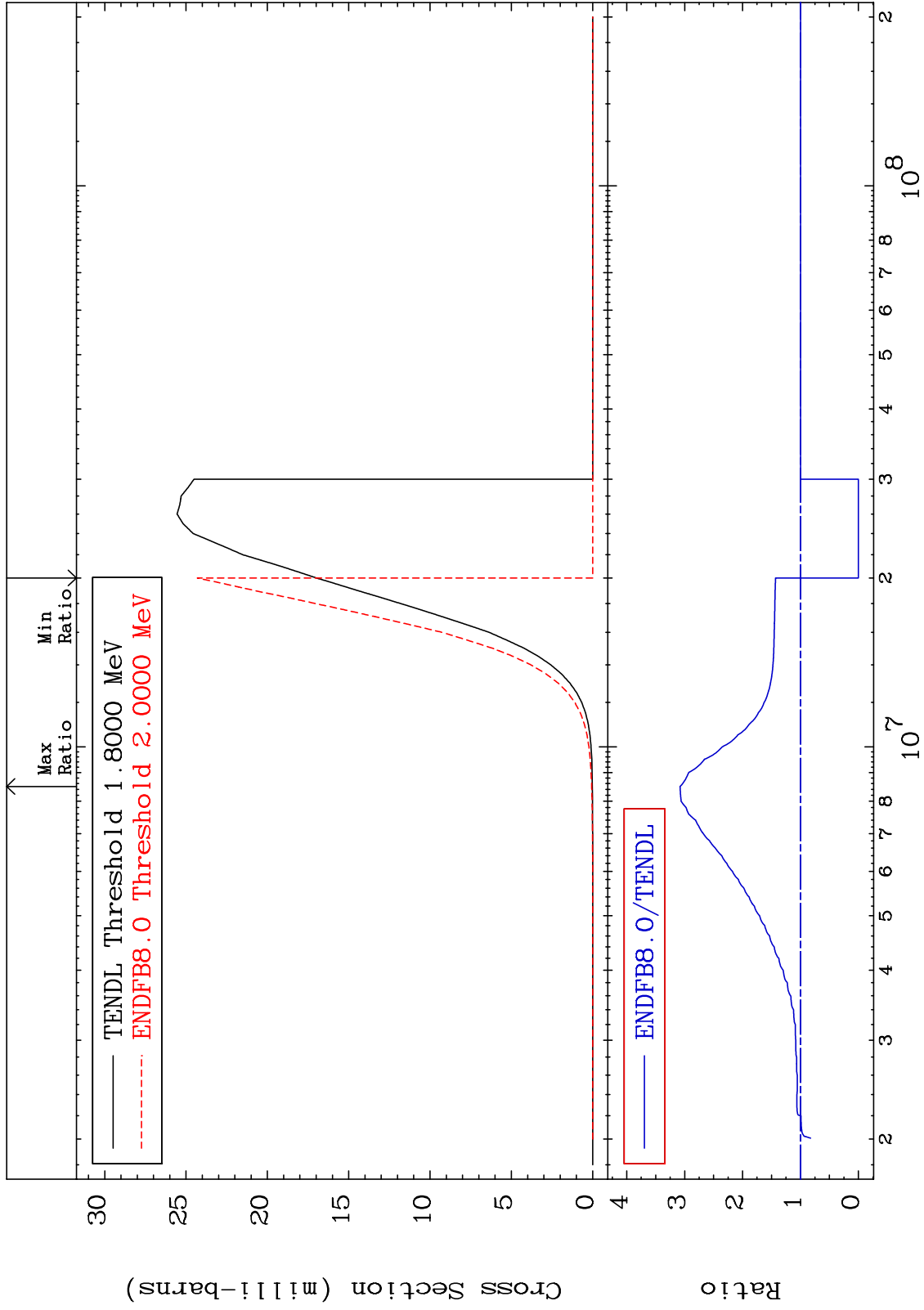
MAT 8231

(n, p)

82-Pb-206

Cross Section

-100.0 To 208.0 %



40

Incident Energy (eV)

82-Pb-206

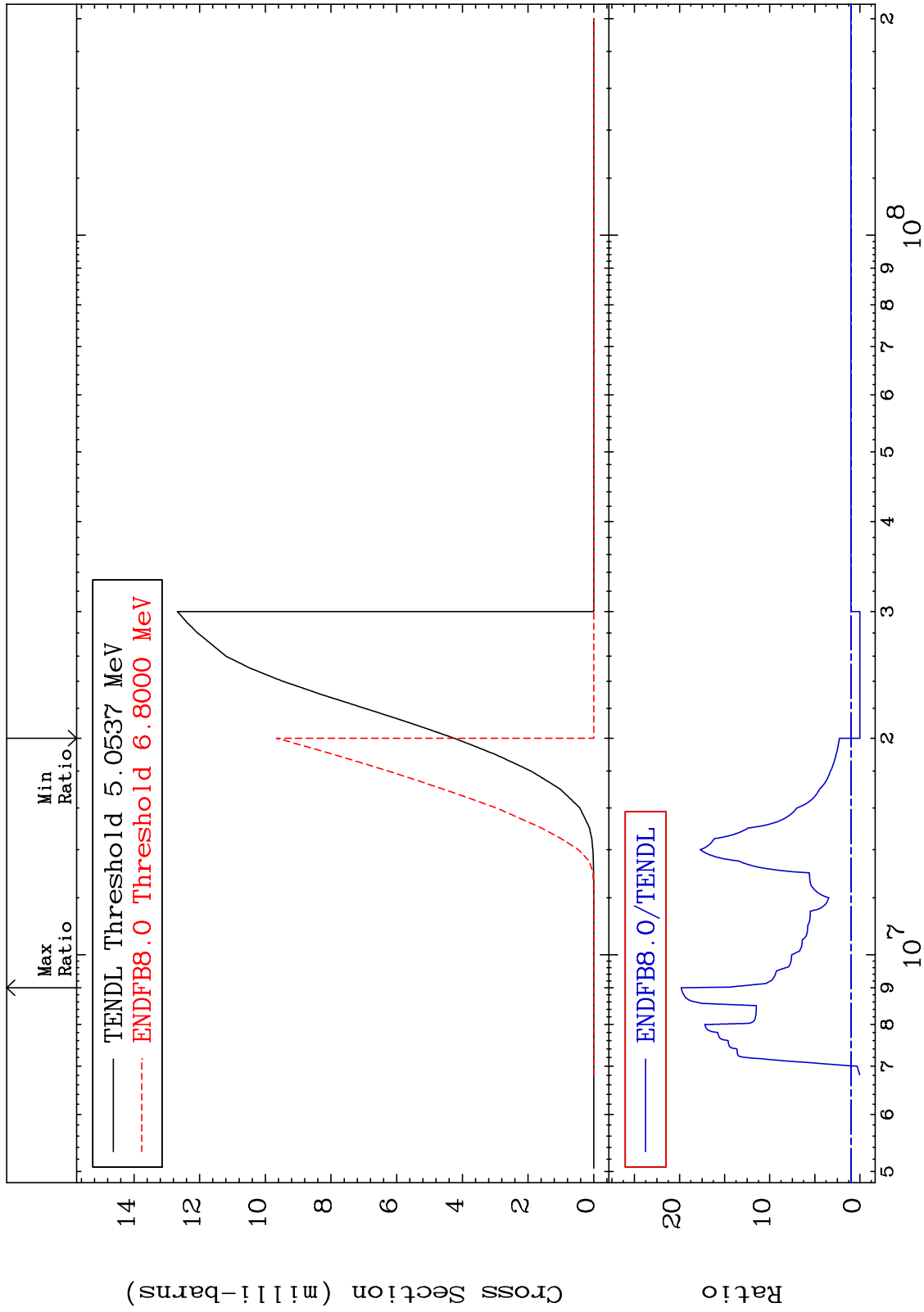
MAT 8231

(n, d)

82-Pb-206

Cross Section

-100.0 To 1881. %



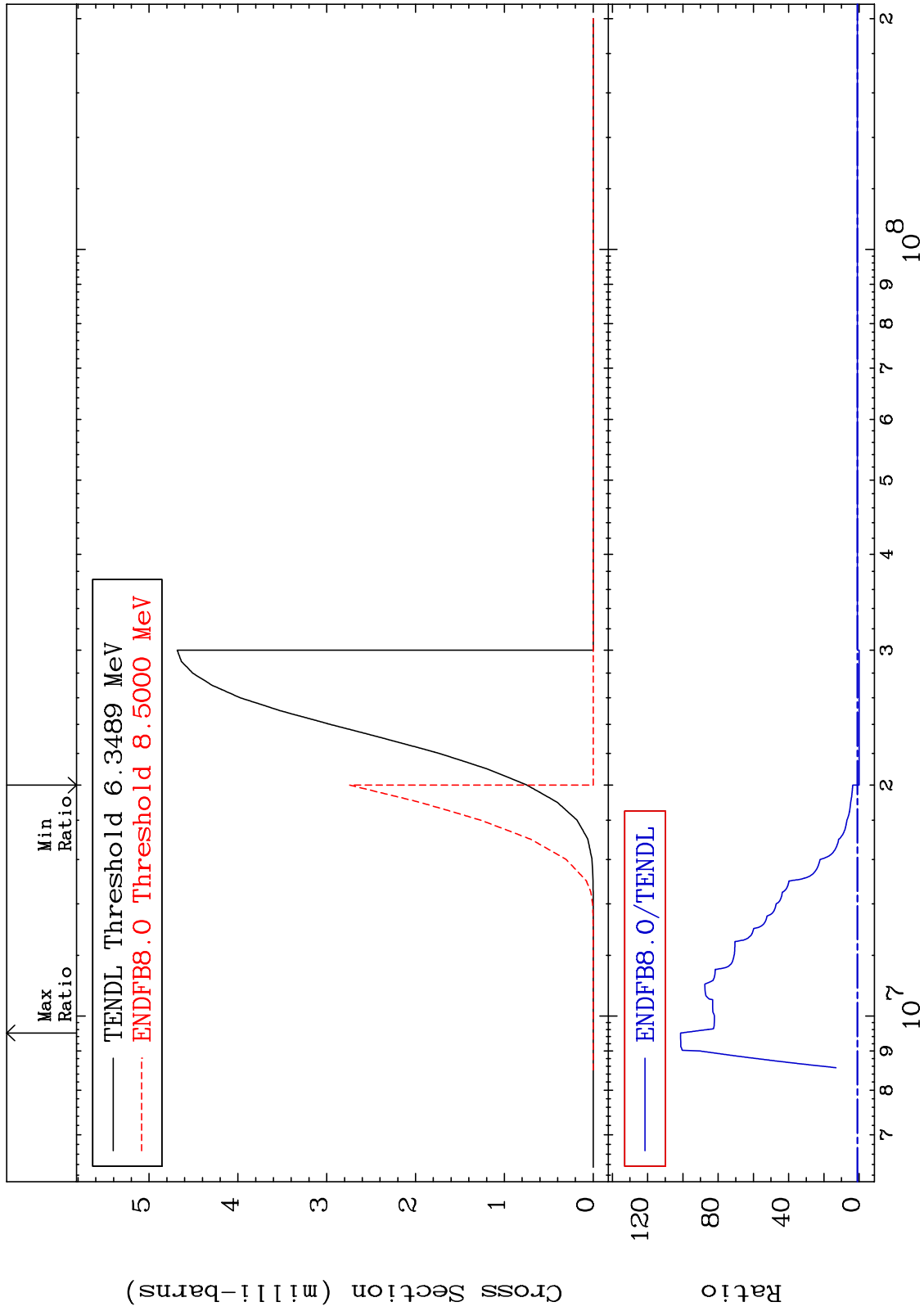
MAT 8231

(n, t)

82-Pb-206

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

82-Pb-206

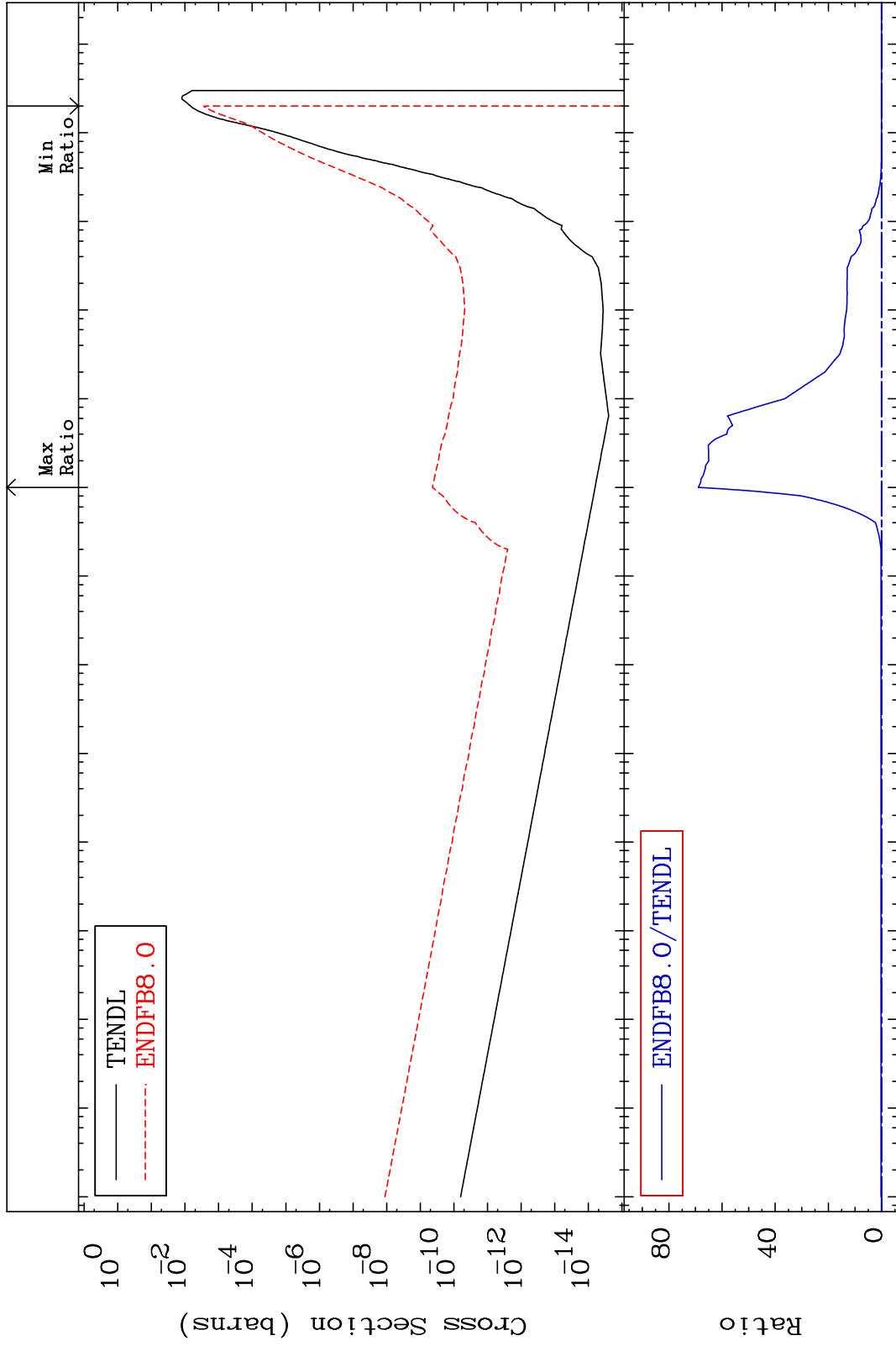
MAT 8231

(n, α)

82-Pb-206

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

82-Pb-206

43

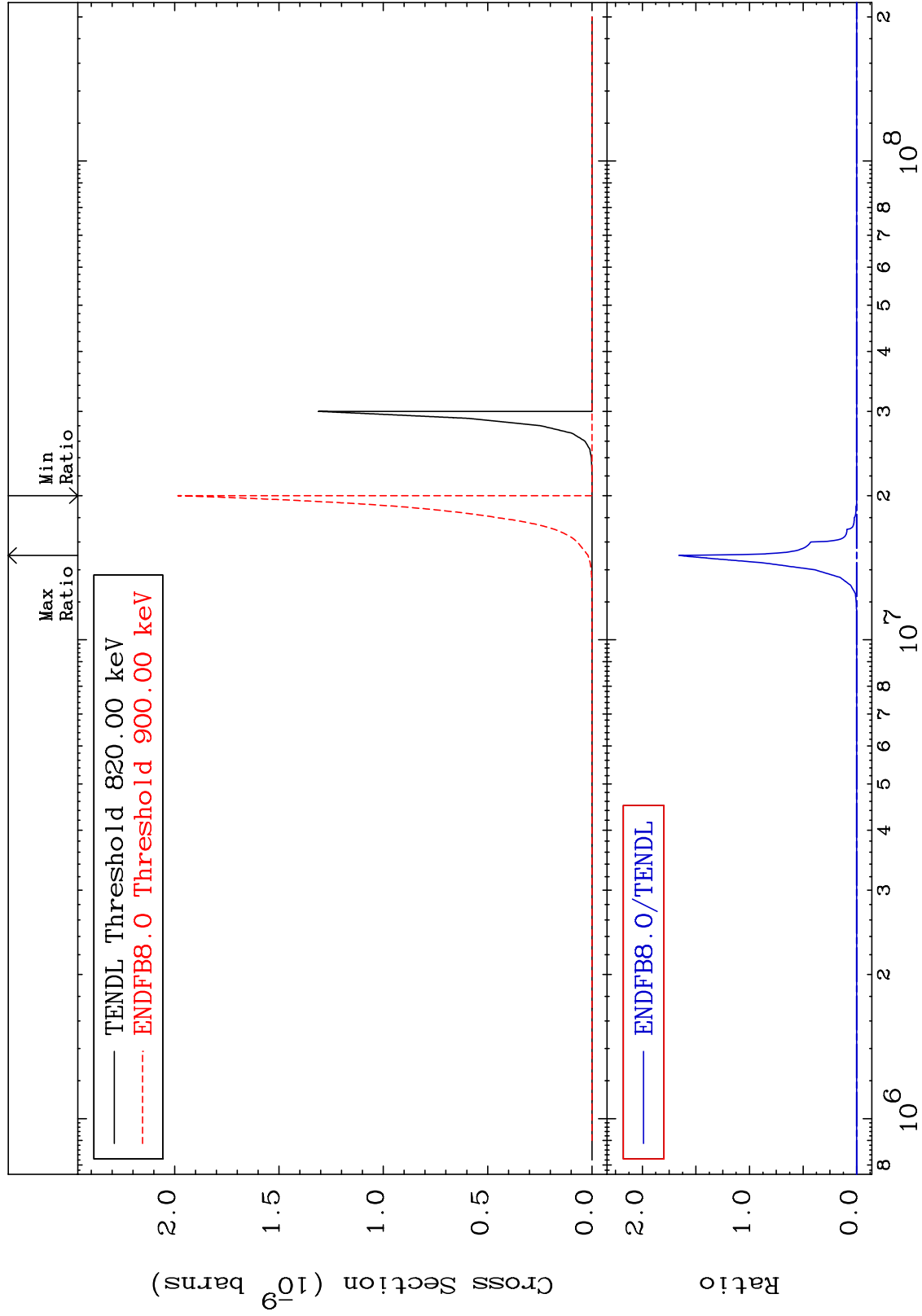
MAT 8231

(n, 2α)

82-Pb-206

Cross Section

-100.0 To 9999. %



44

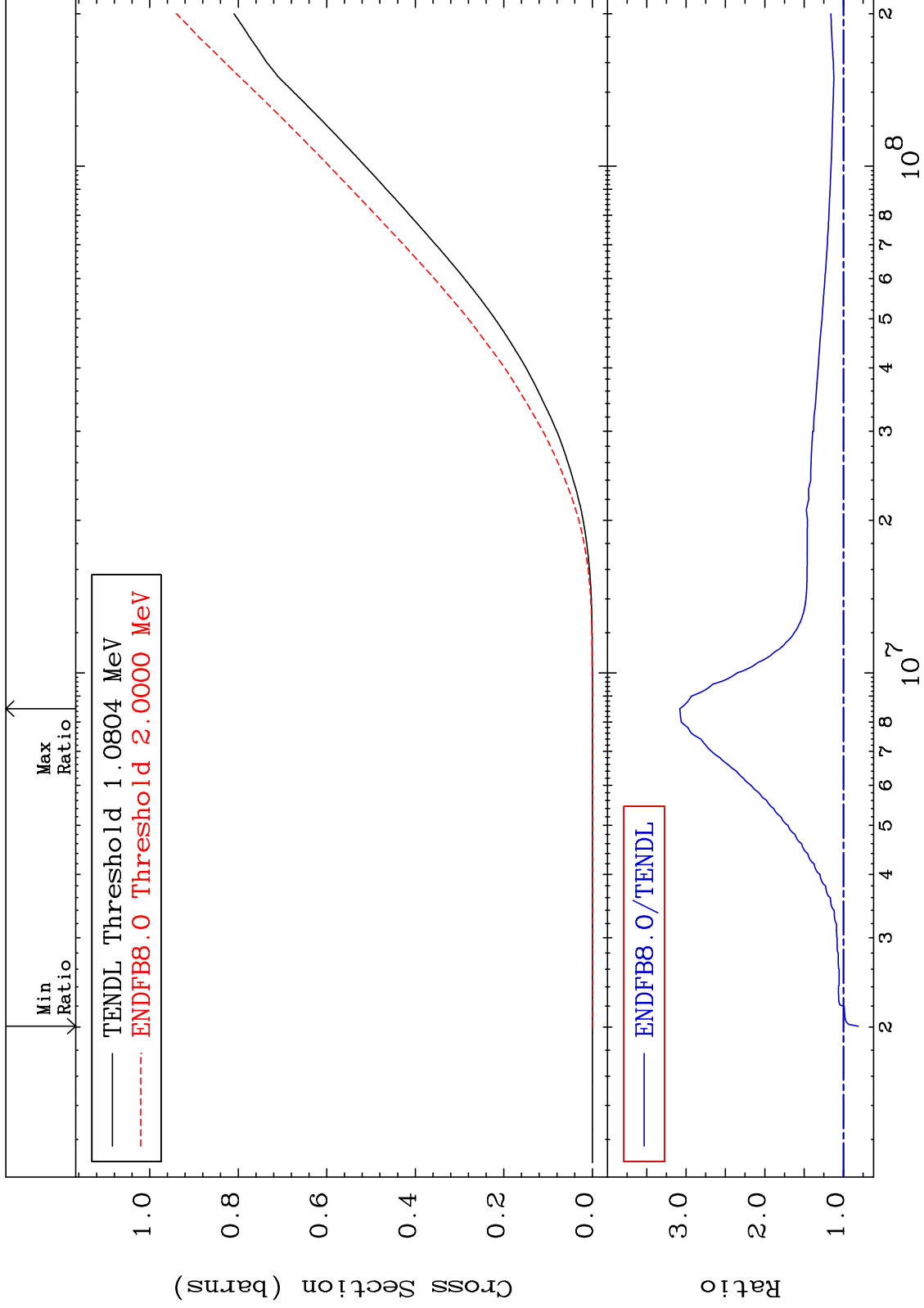
Incident Energy (eV)

82-Pb-206

MAT 8231

Hydrogen Production
Cross Section

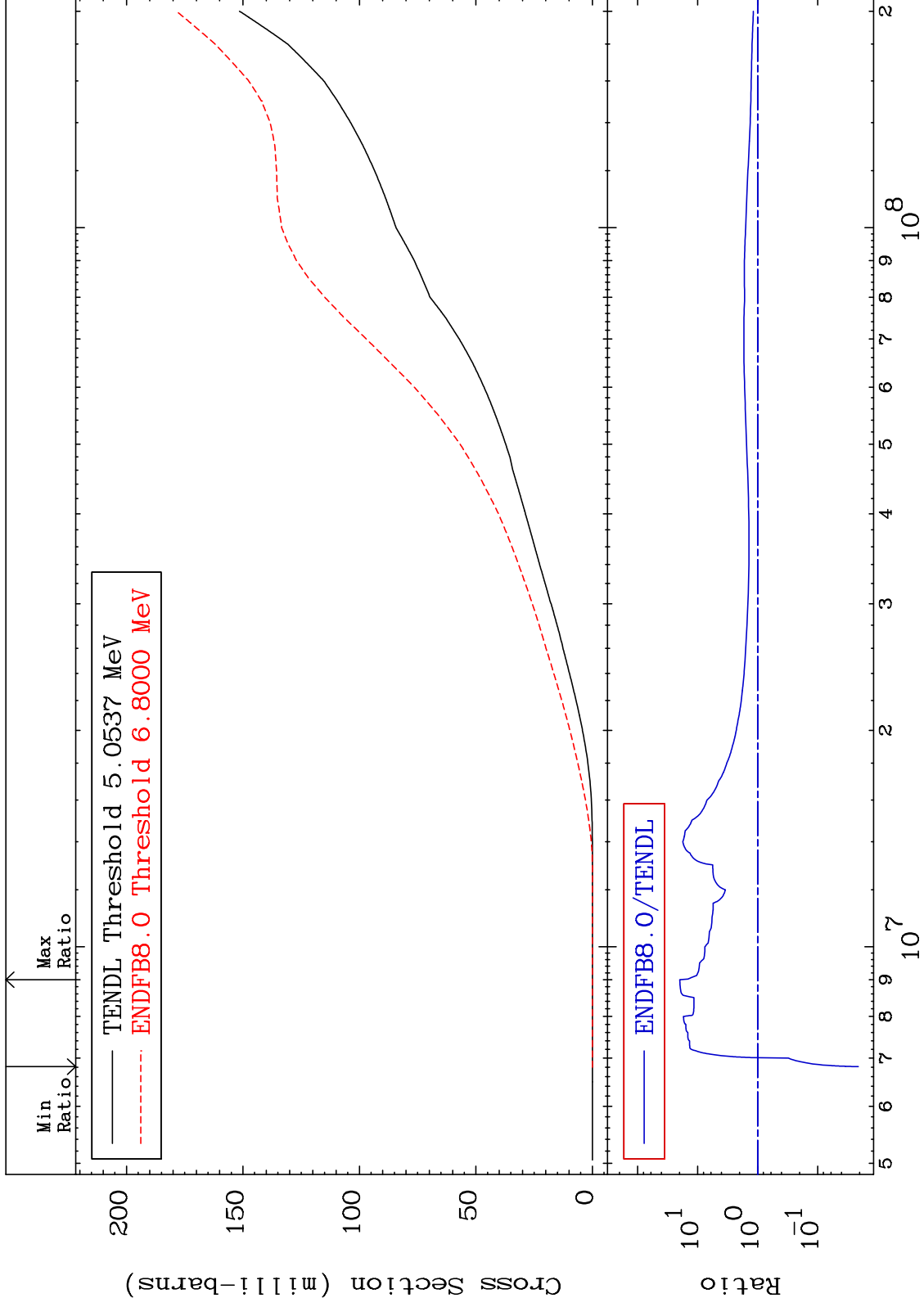
82-Pb-206
-18.88 To 208.0 %



MAT 8231

Deuterium Production
Cross Section

82-Pb-206
-97.90 To 1881. %



46

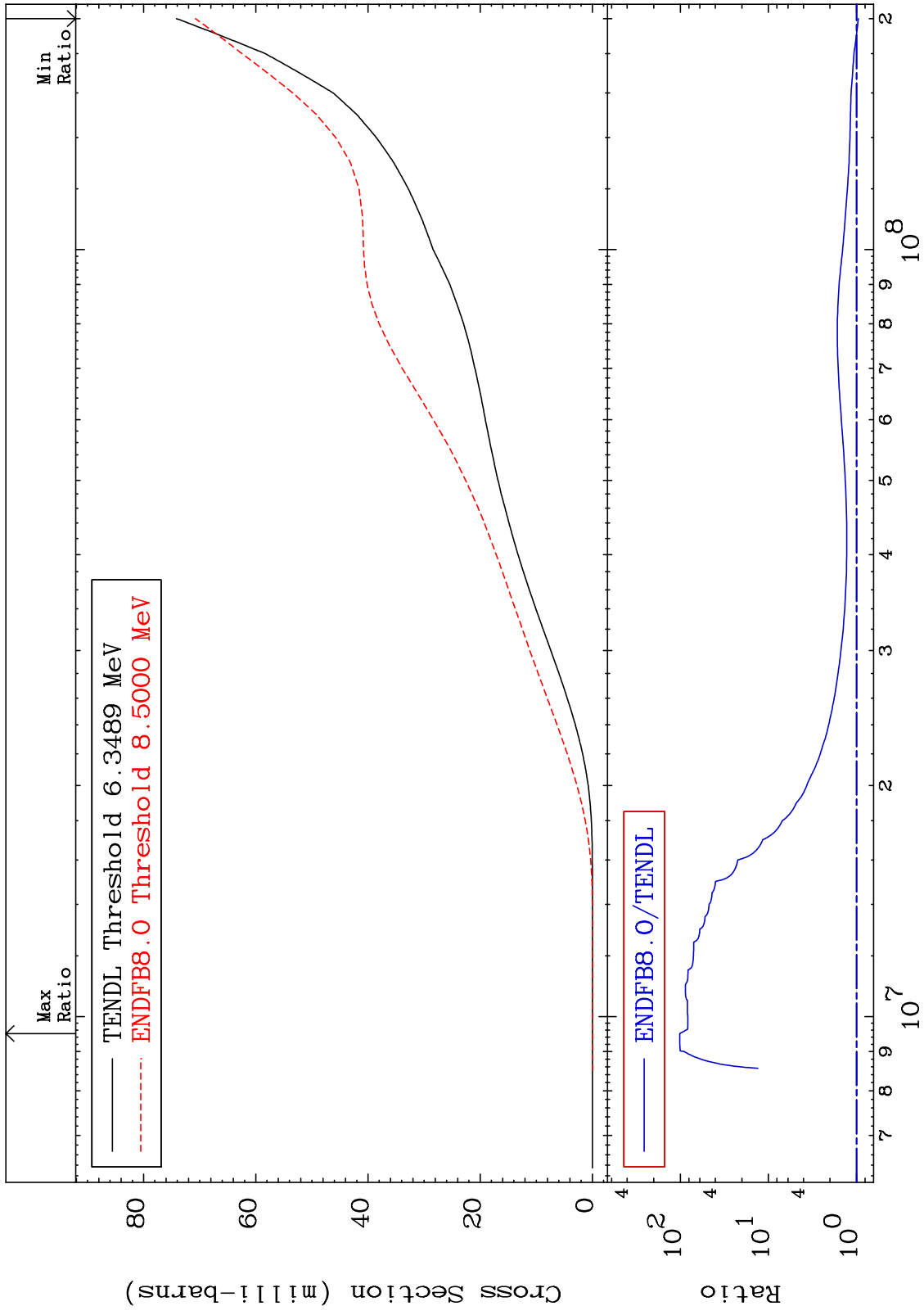
Incident Energy (eV)

82-Pb-206

MAT 8231

Tritium Production
Cross Section

82-Pb-206
-4.584 To 9999. %



47

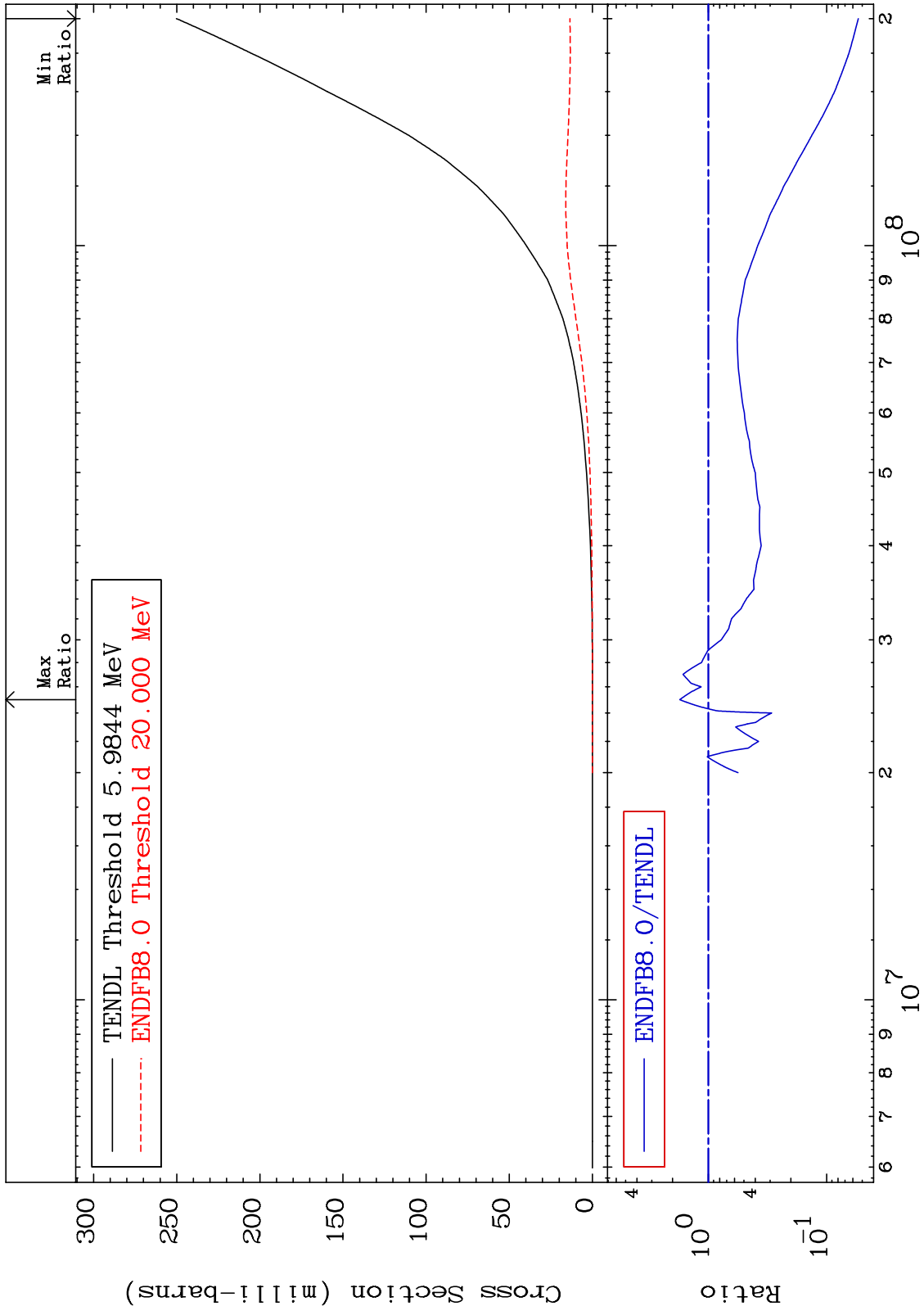
Incident Energy (eV)

82-Pb-206

MAT 8231

He-3 Production
Cross Section

82-Pb-206
-94.61 To 73.87 %



48

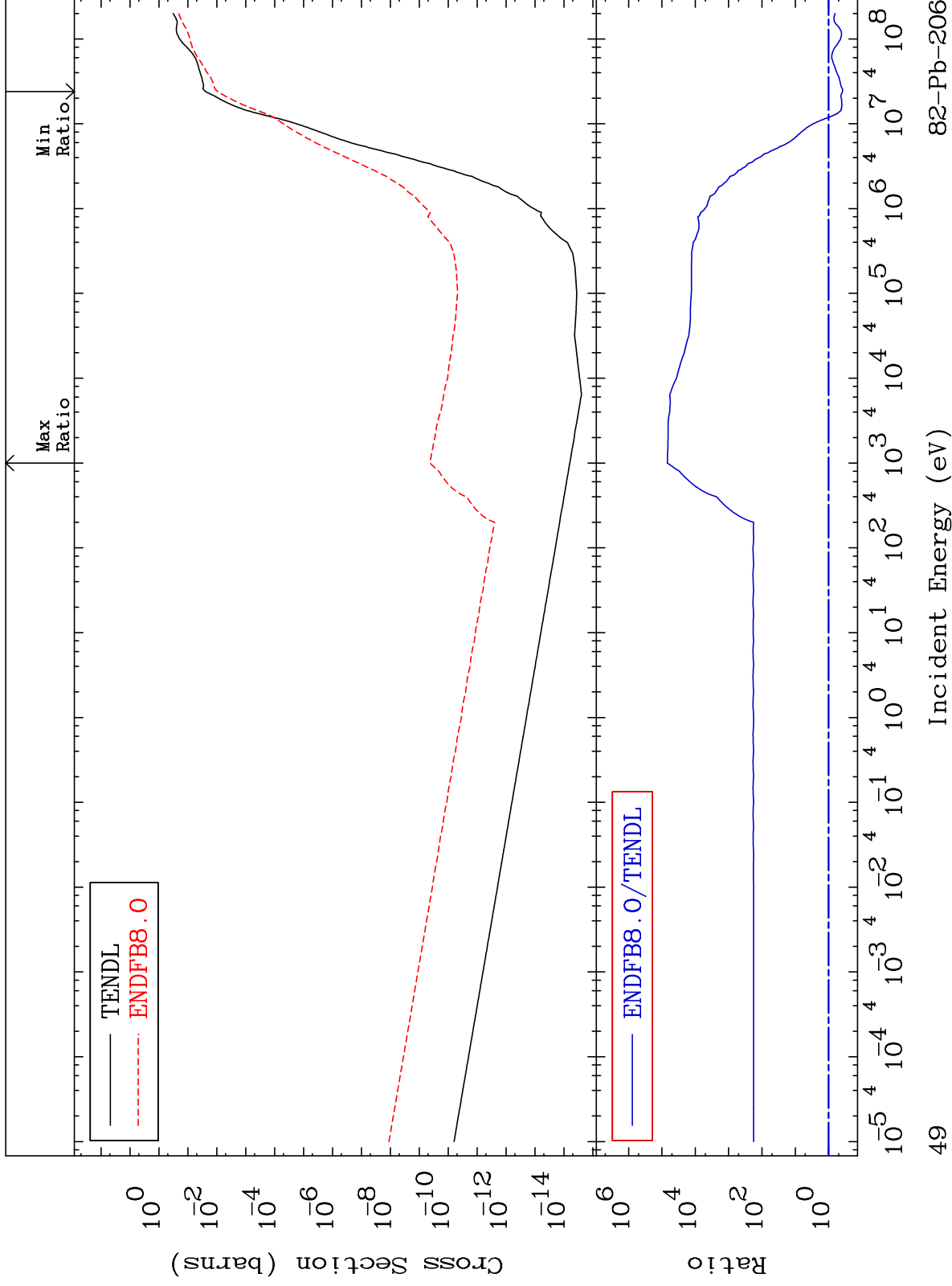
Incident Energy (eV)

82-Pb-206

MAT 8231

He-4 Production
Cross Section

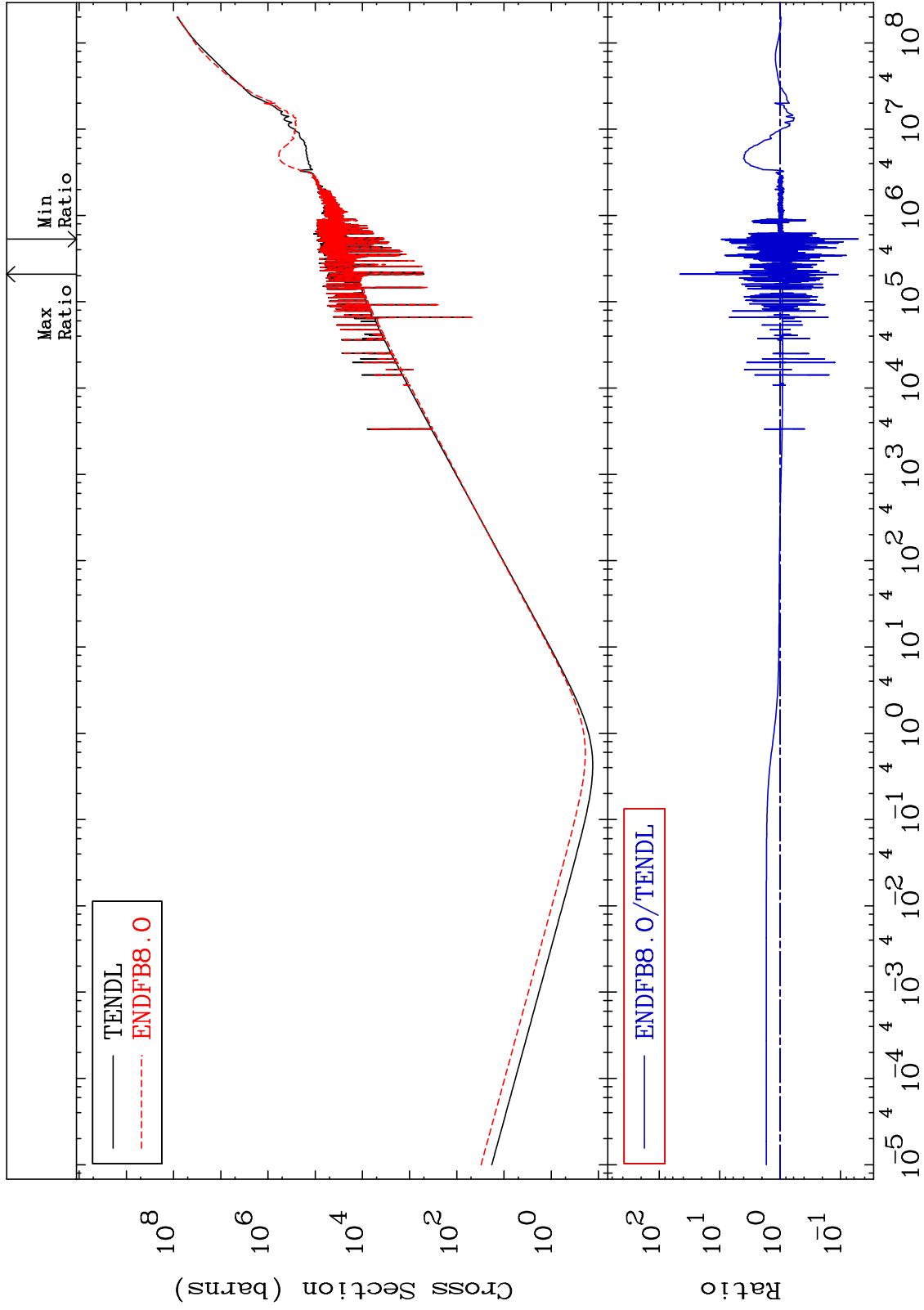
82-Pb-206
-61.76 To 9999. %



MAT 8231

Kerma total (eV-barns)
Cross Section

82-Pb-206
-94.94 To 4431. %



50

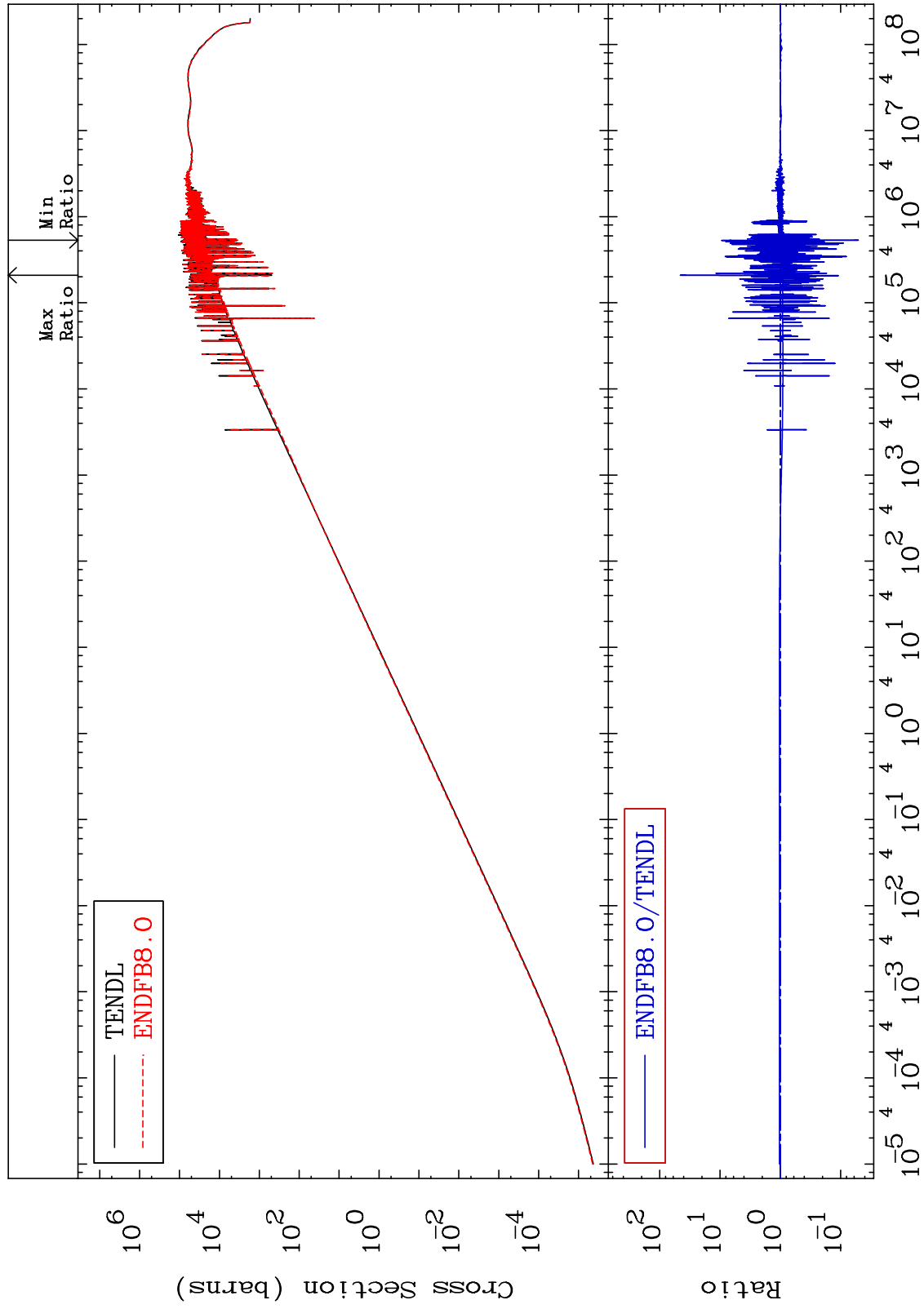
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma elastic
Cross Section

82-Pb-206
-94.94 To 4431. %



51

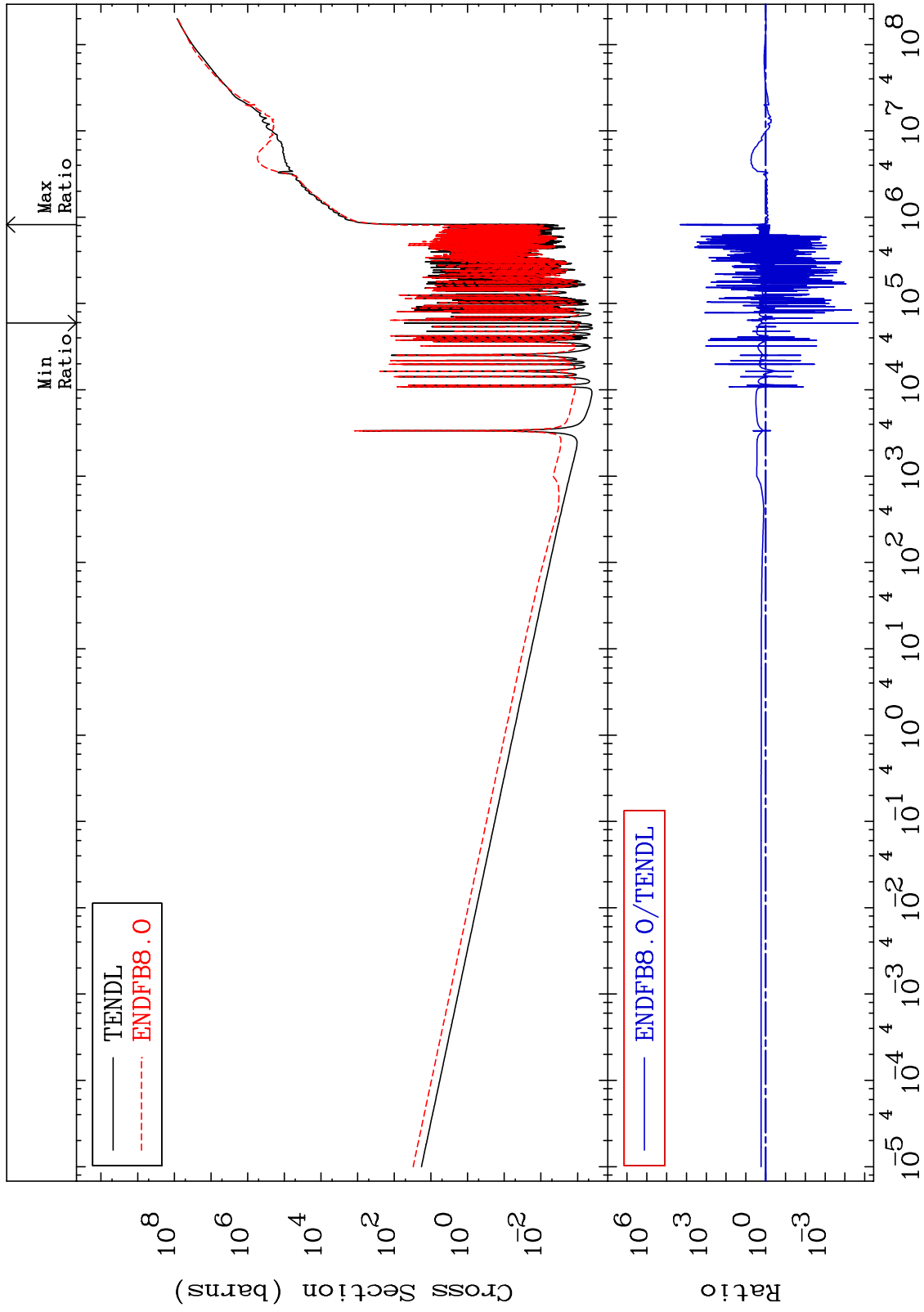
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma non-elastic (all but mt2)
Cross Section

82-Pb-206
-100.0 To 9999. %



52

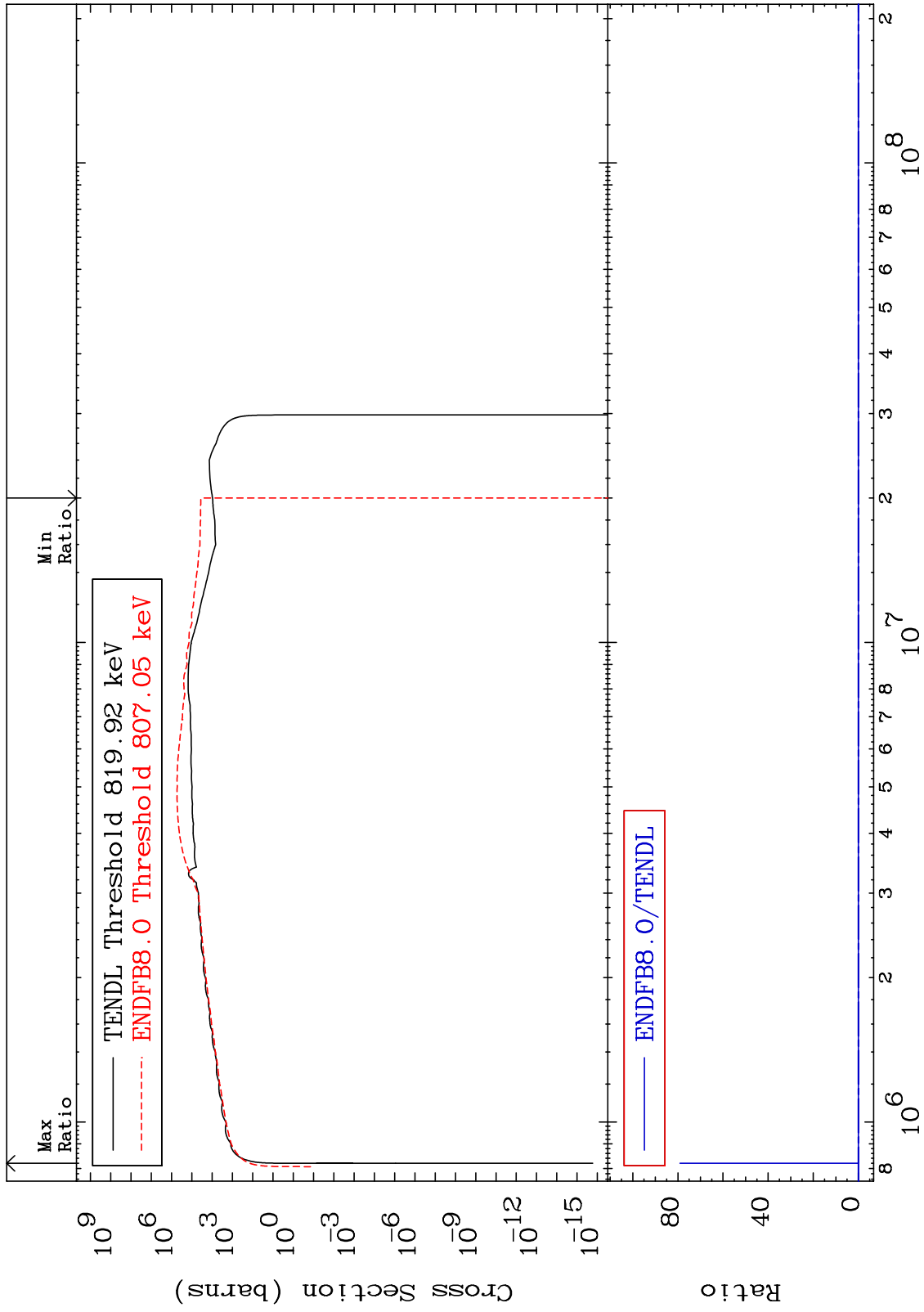
Incident Energy (eV)

82-Pb-206

MAT 8231

Kerma inelastic (mt51-91)
Cross Section

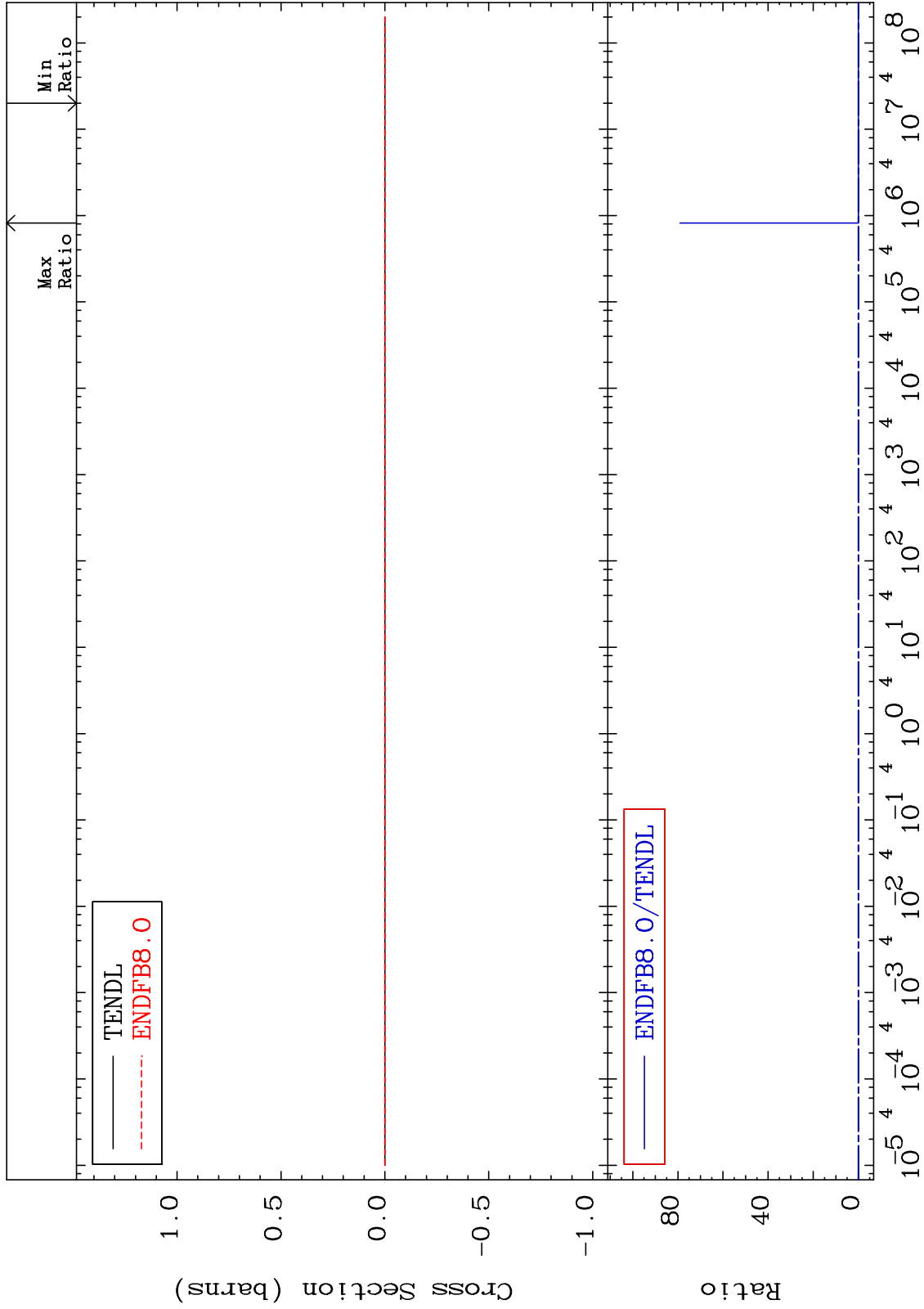
82-Pb-206
-100.0 To 9999. %



MAT 8231

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

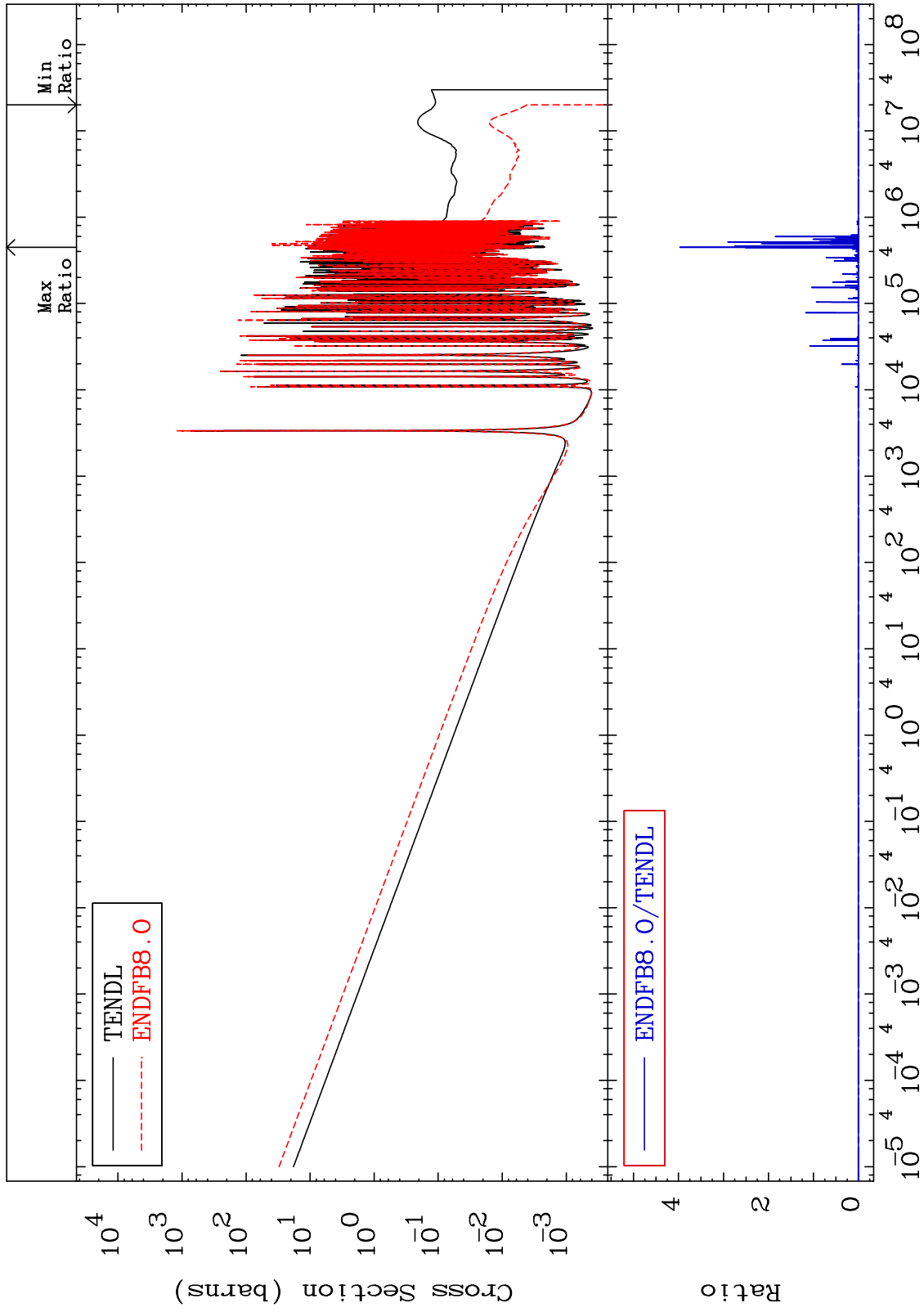
82-Pb-206
-100.0 To 9999. %



MAT 8231

Kerma capture (mt102)
Cross Section

82-Pb-206
-100.0 To 9999. %



55

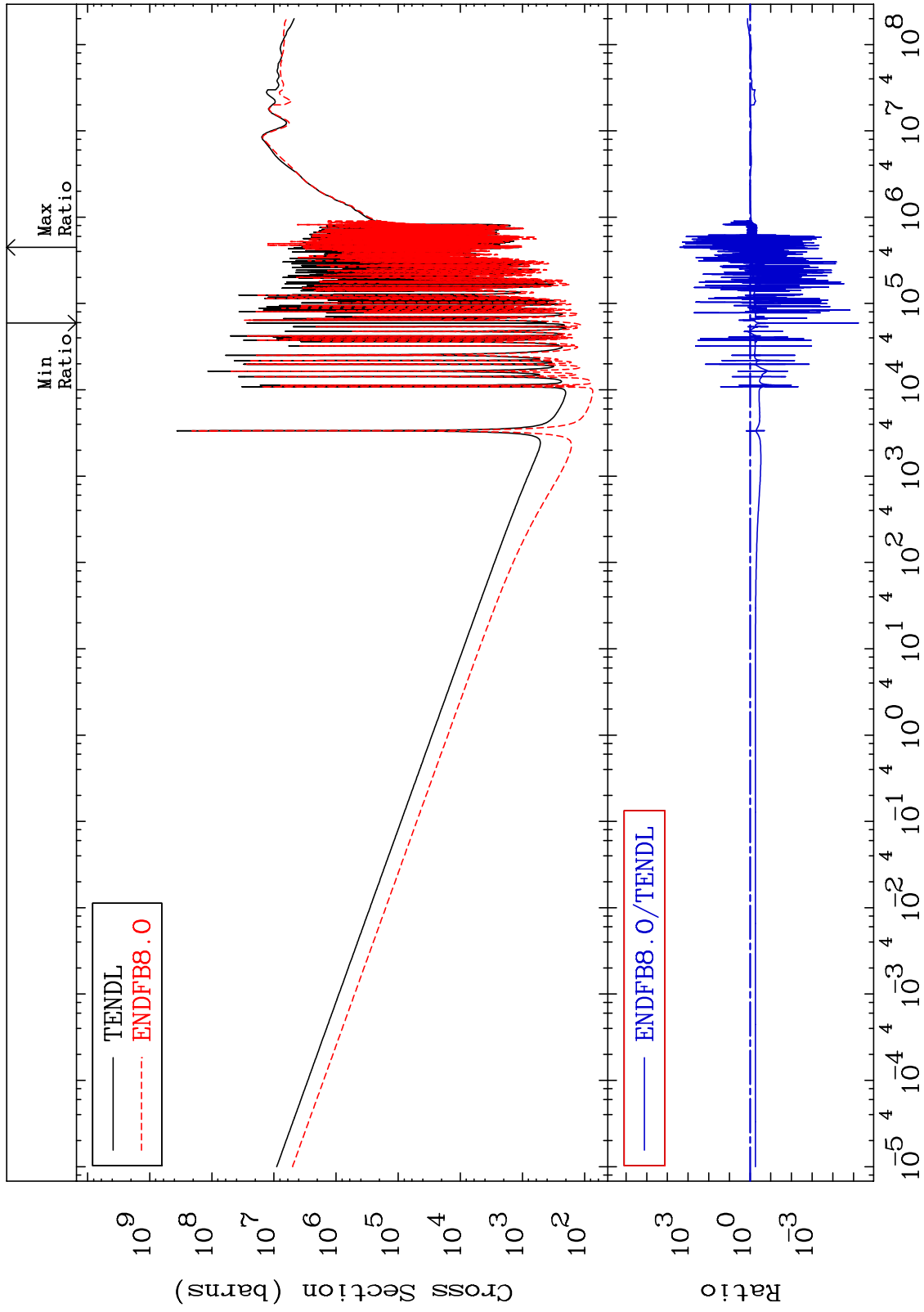
Incident Energy (eV)

82-Pb-206

MAT 8231

Total photon (eV-barns)
Cross Section

82-Pb-206
-100.0 To 9999. %



56

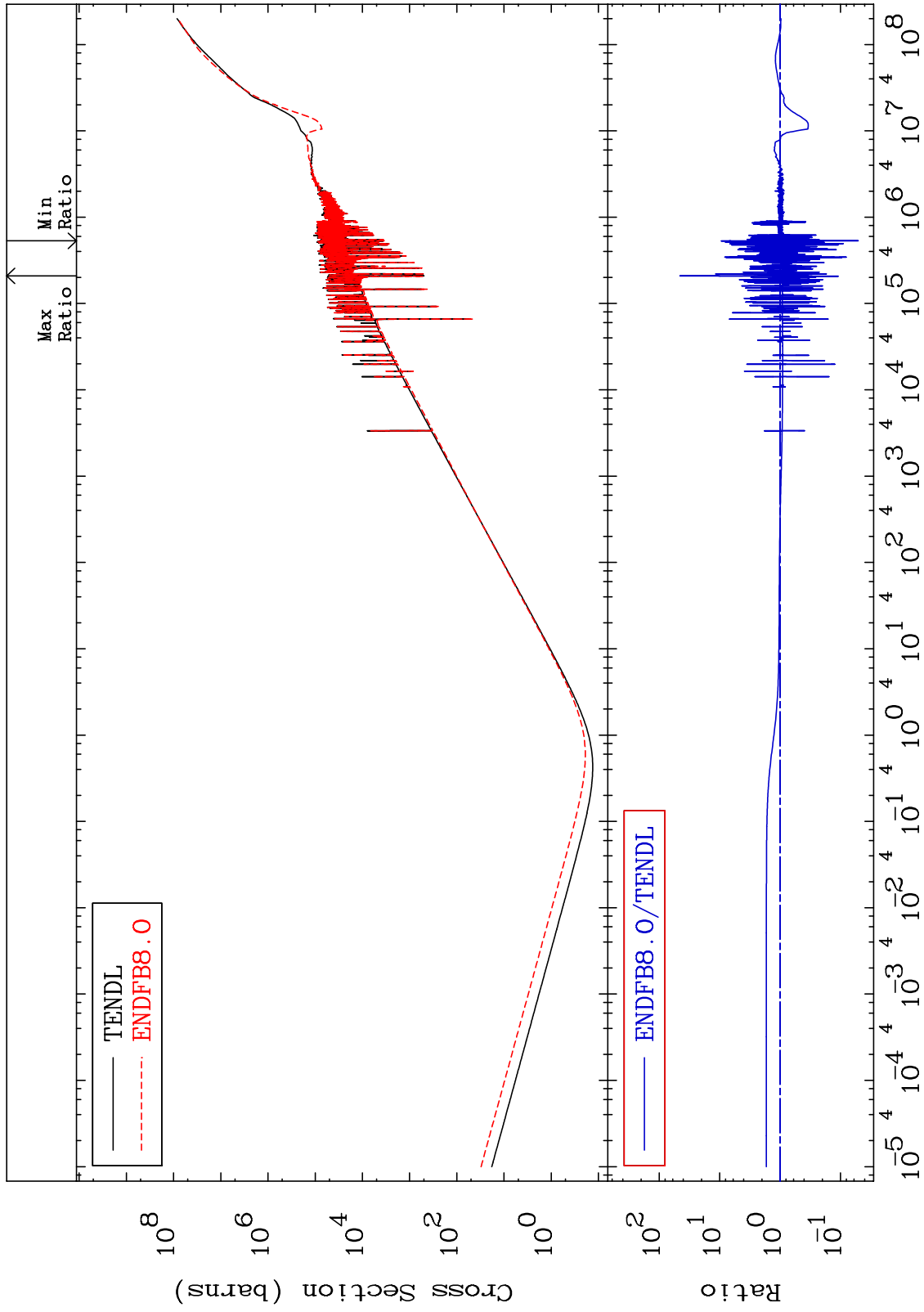
Incident Energy (eV)

82-Pb-206

MAT 8231

Total kinematic kerma (high limit)
Cross Section

82-Pb-206
-94.94 To 4431. %



57

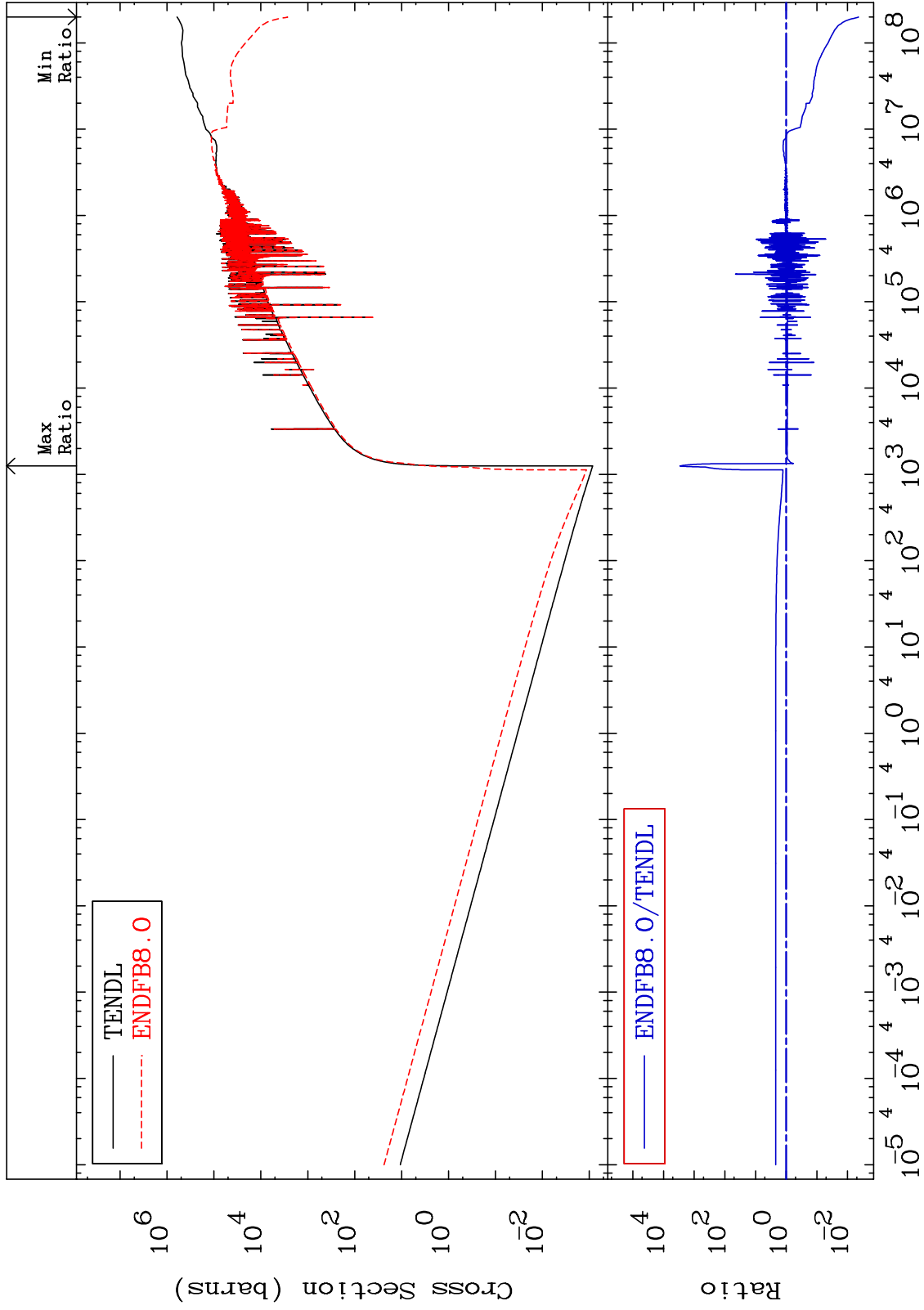
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa total (eV-barns)
Cross Section

82-Pb-206
-99.56 To 9999. %



58

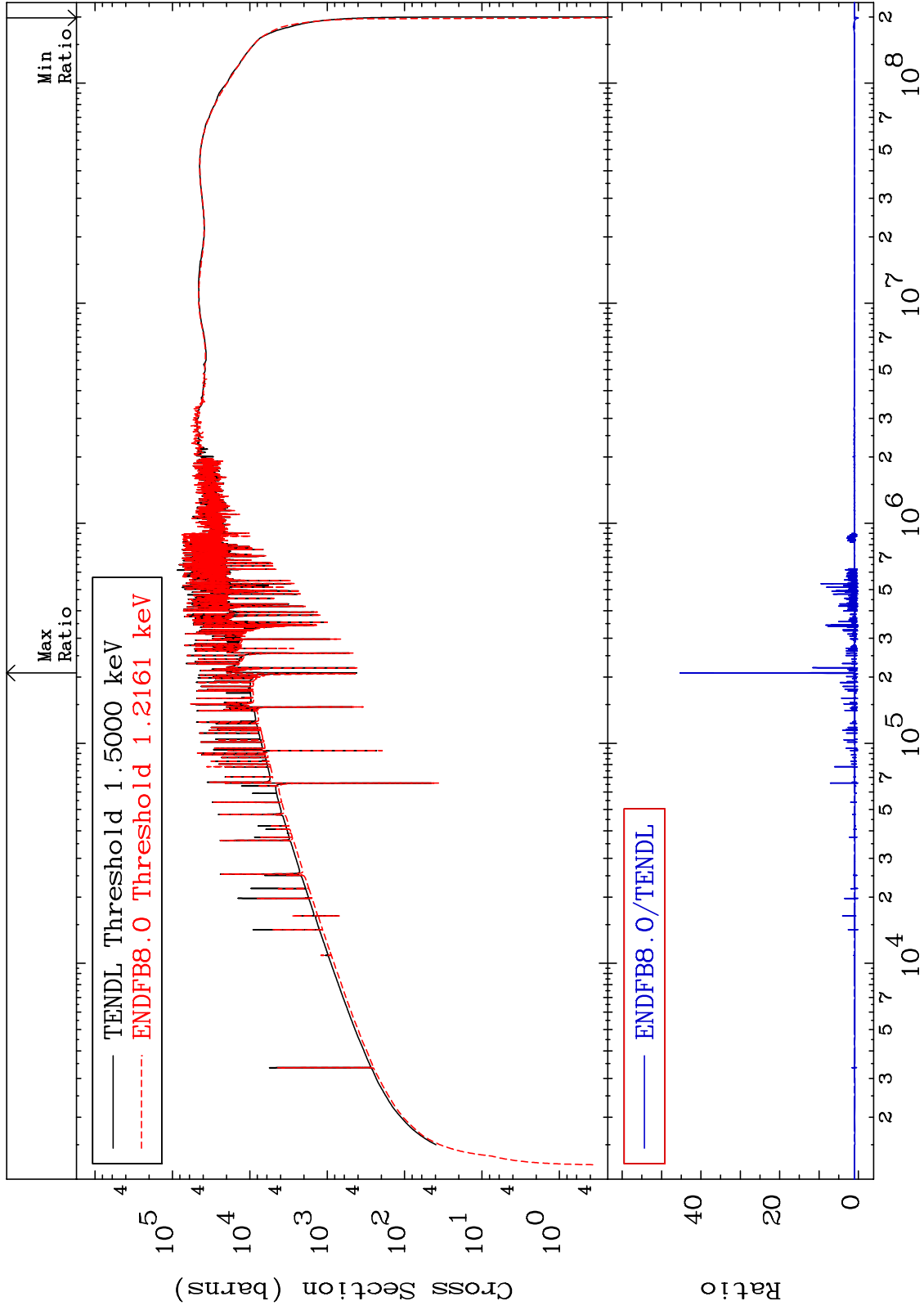
Incident Energy (eV)

82-Pb-206

MAT 8231

Dpa elastic (mt2)
Cross Section

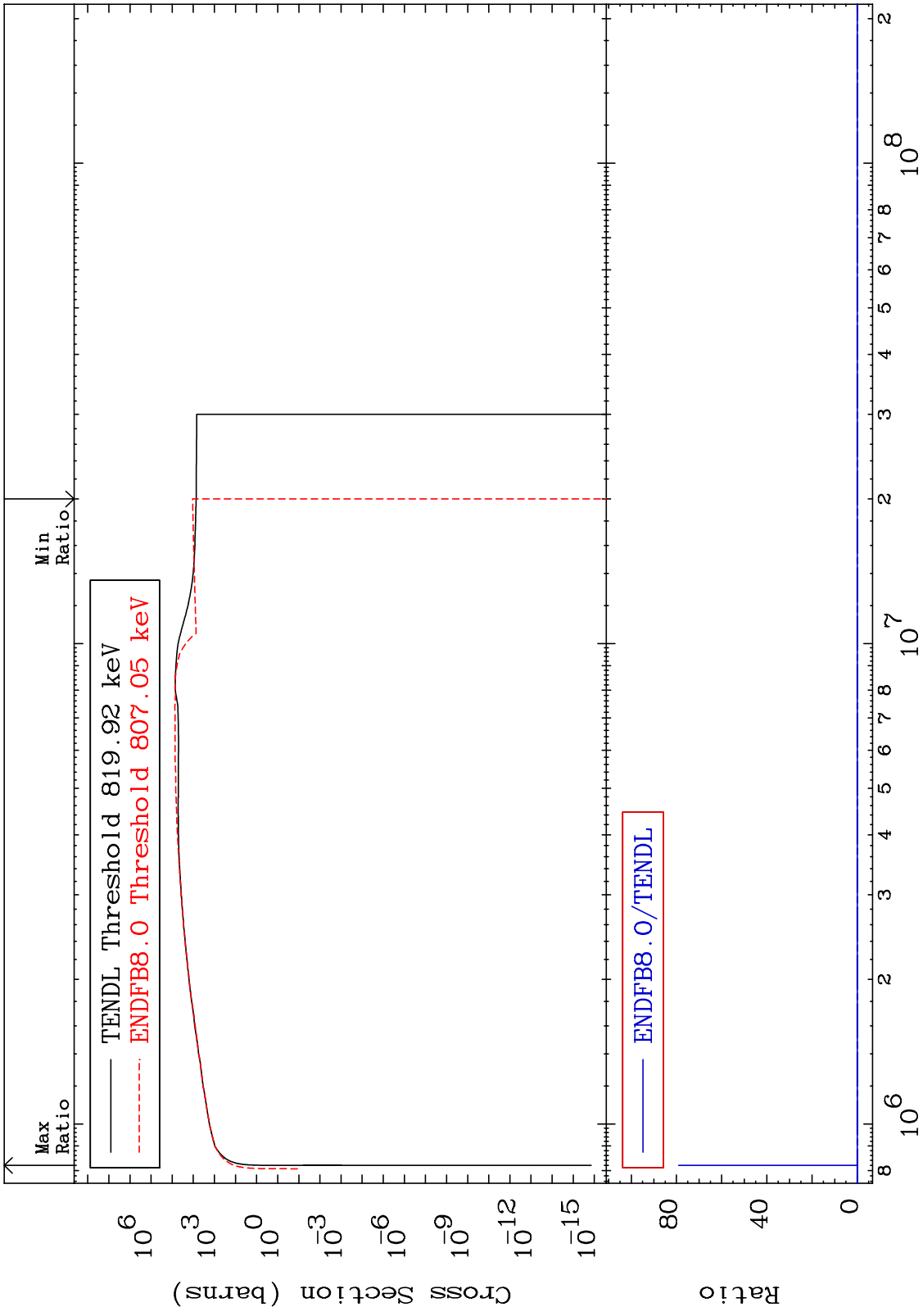
82-Pb-206
-100.0 To 4431. %



MAT 8231

Dpa inelastic (mt51-91)
Cross Section

82-Pb-206
-100.0 To 9999. %



60 80 40 0

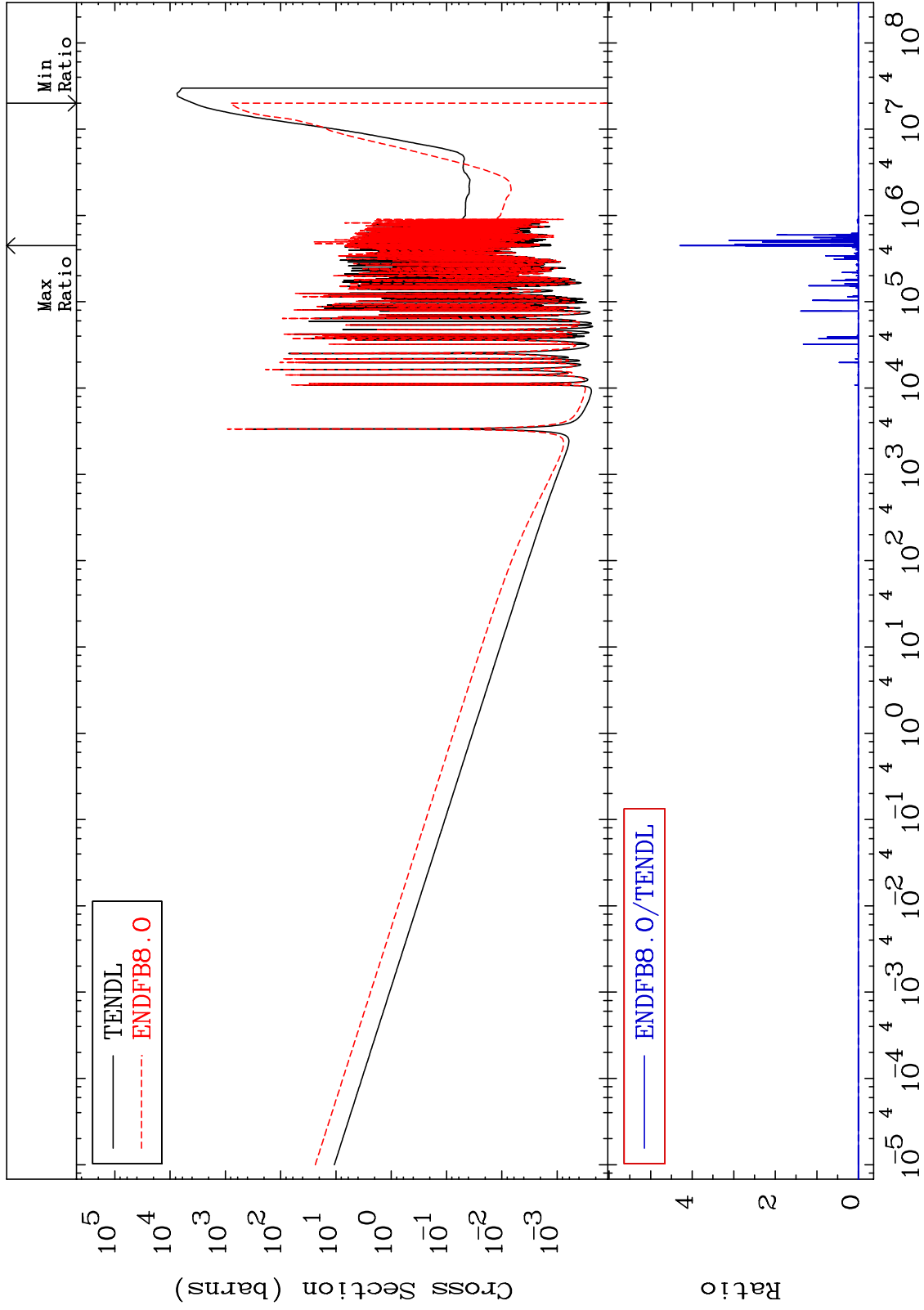
8 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 2

82-Pb-206

MAT 8231

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-206
-100.0 To 9999. %



61

Incident Energy (eV)

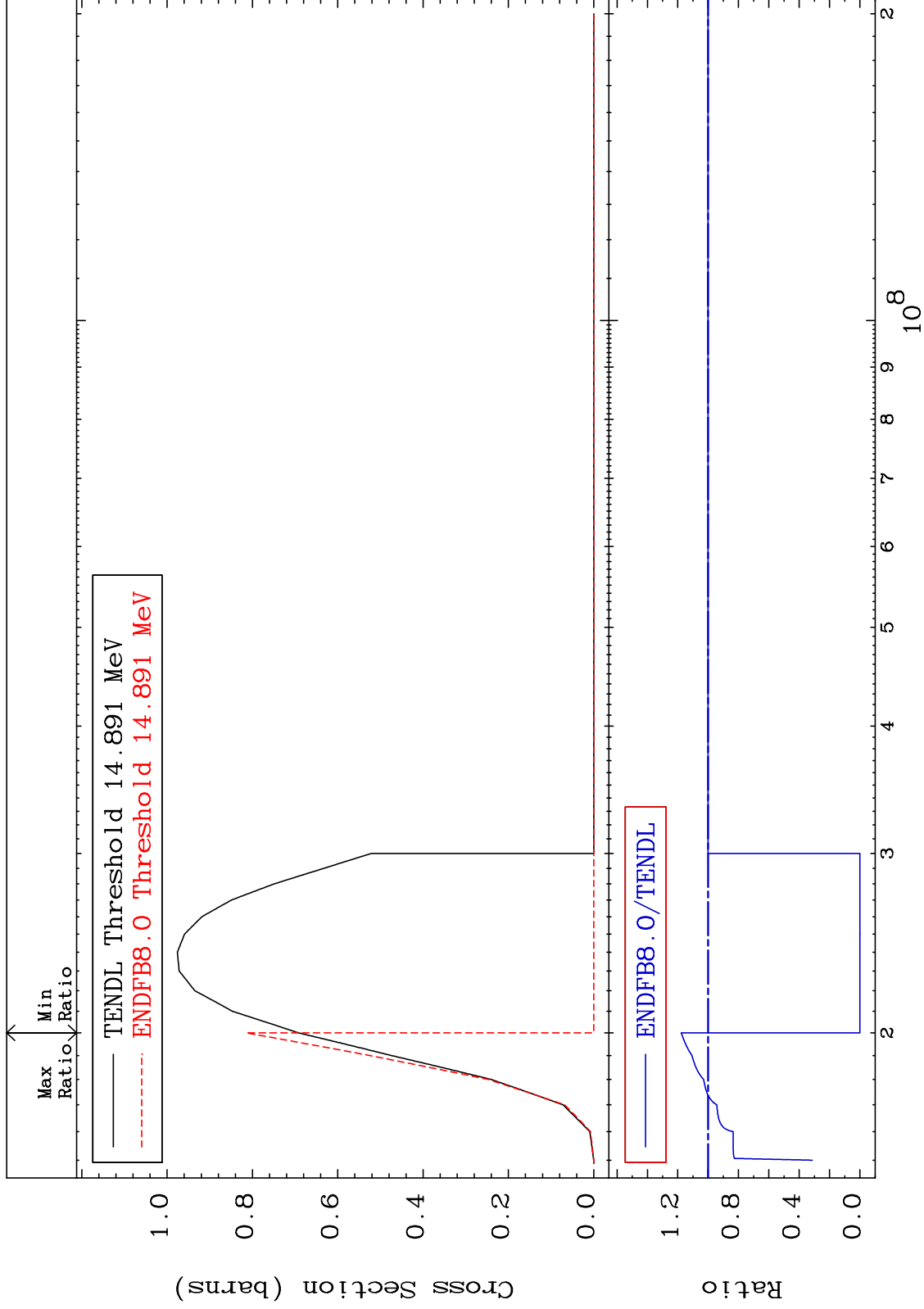
82-Pb-206

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