

Program Complot
(Version 2018-1)

by

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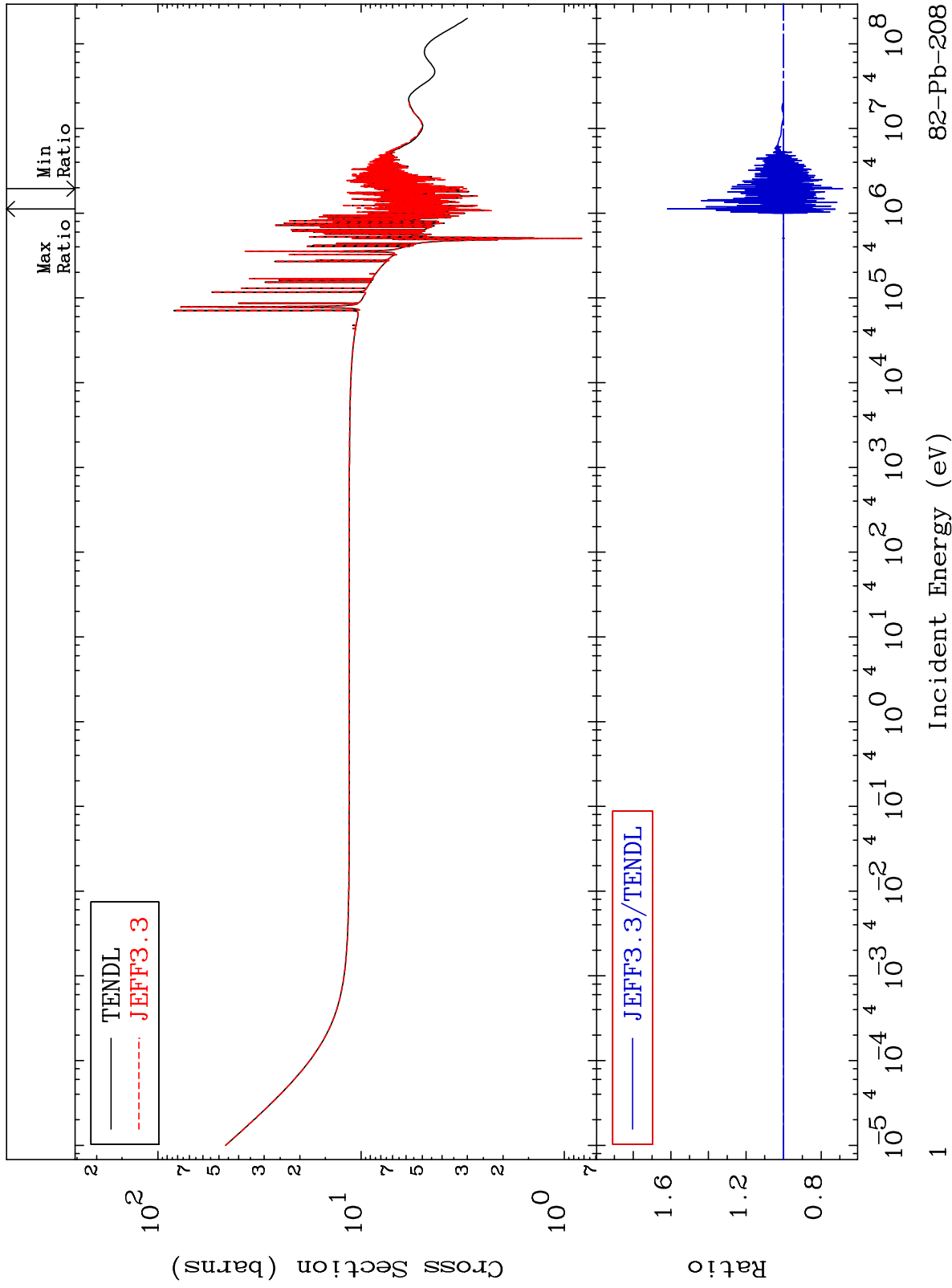
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8237

Total
Cross Section

82-Pb-208
-31.46 To 61.73 %



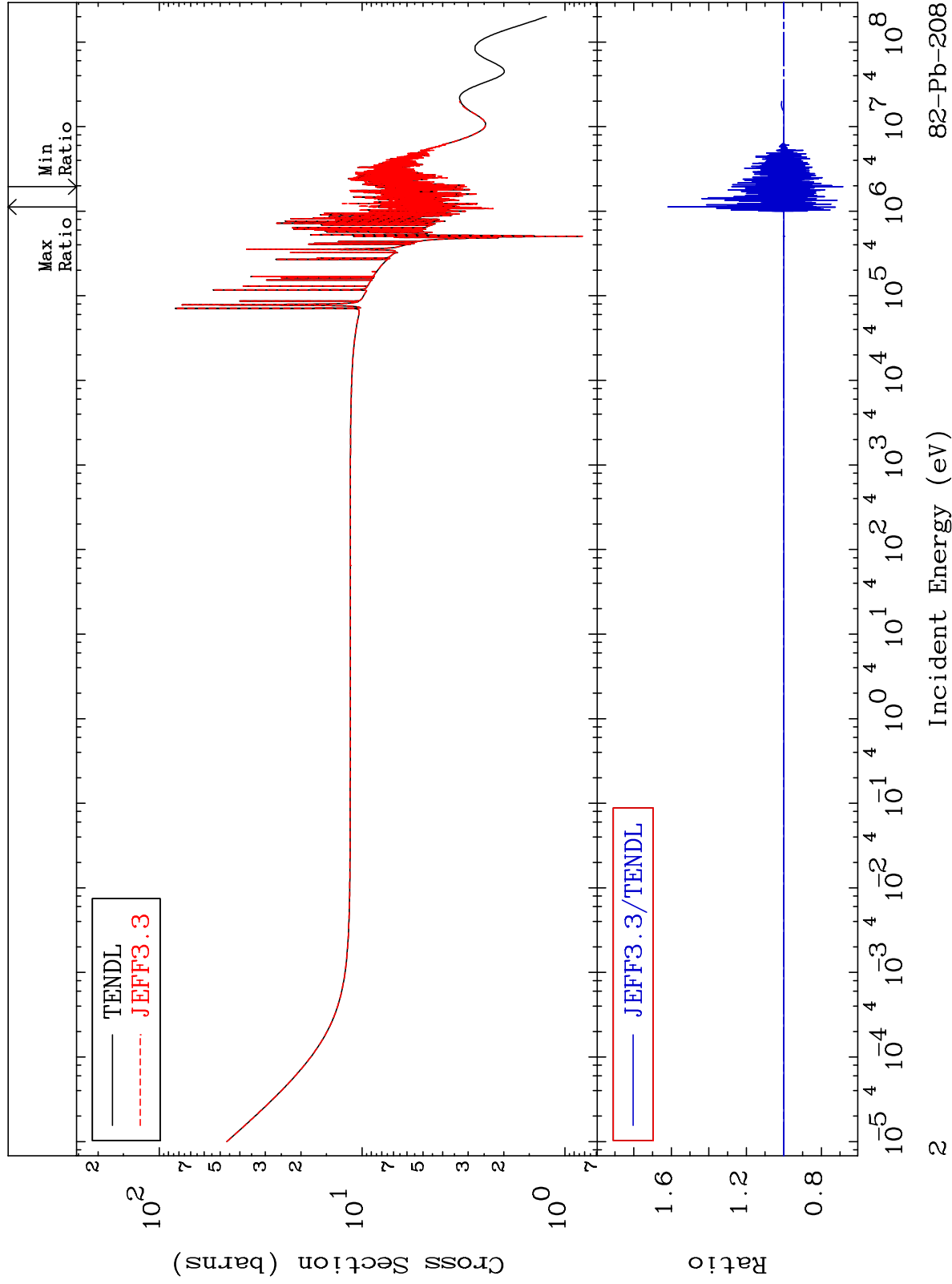
Incident Energy (eV)

82-Pb-208

MAT 8237

Elastic
Cross Section

82-Pb-208
-31.46 To 61.74 %



82-Pb-208

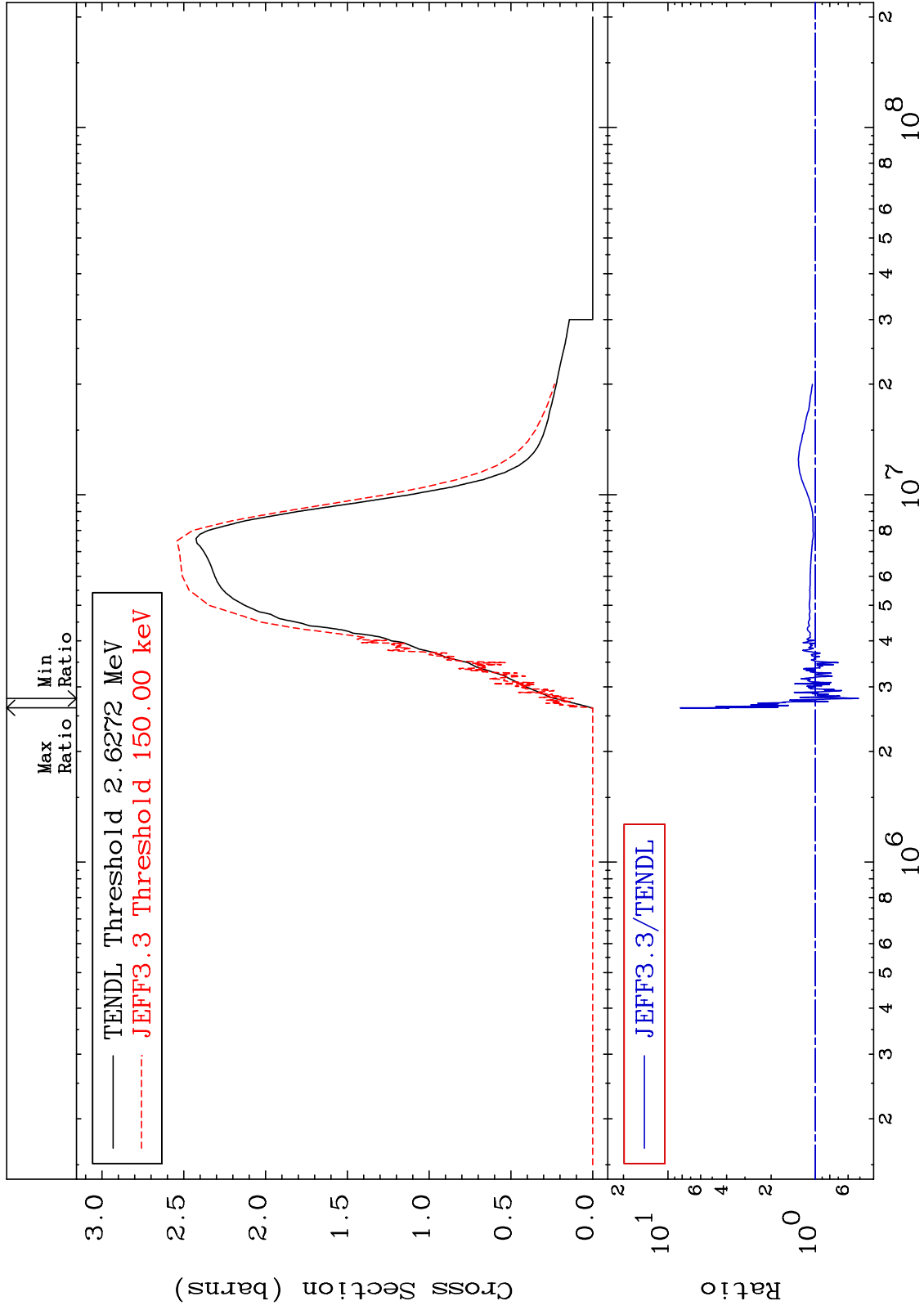
Incident Energy (eV)

2

MAT 8237

Inelastic
Cross Section

82-Pb-208
-48.83 To 727.5 %



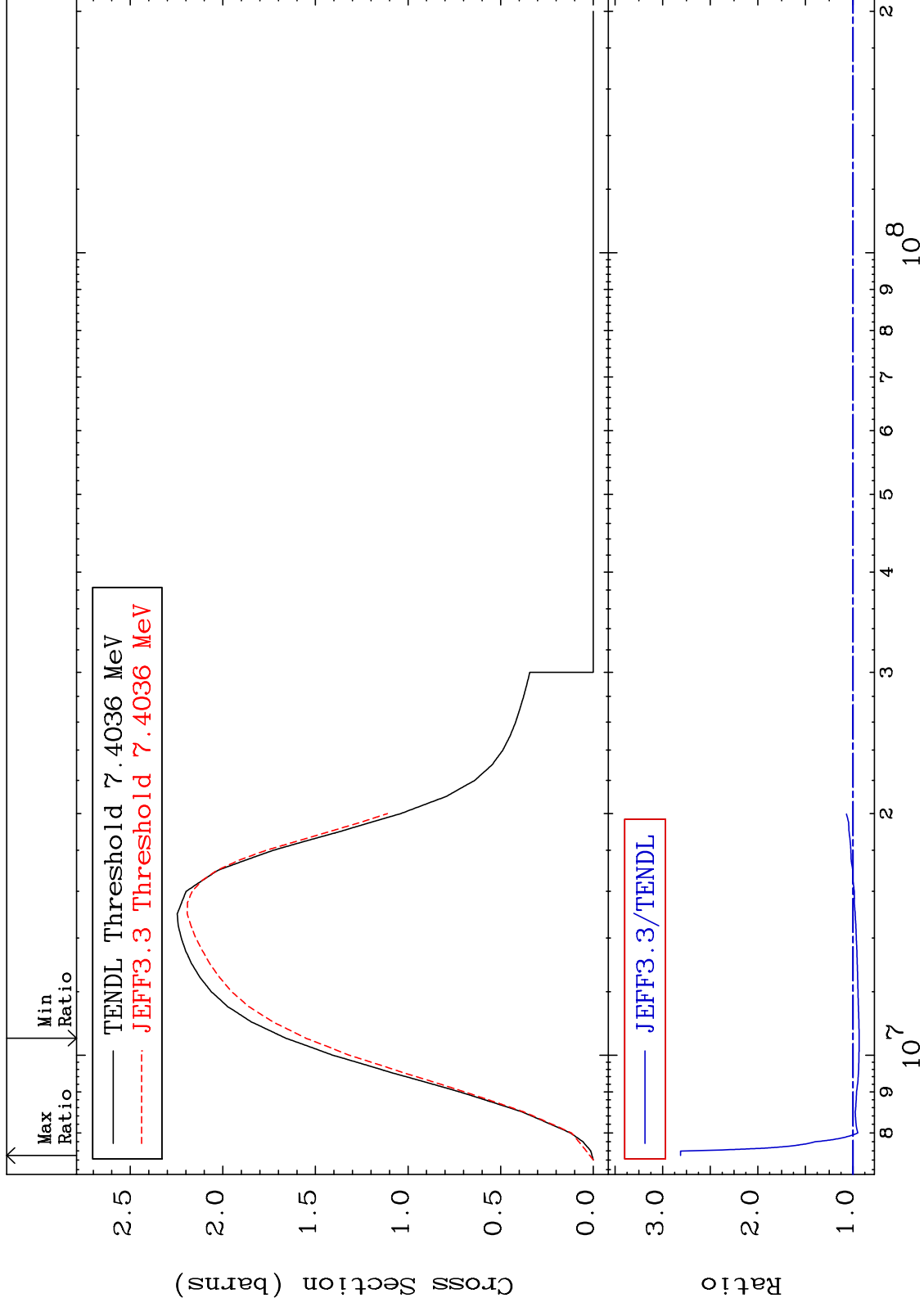
MAT 8237

(n,2n)

82-Pb-208

Cross Section

-6.566 To 181.2 %



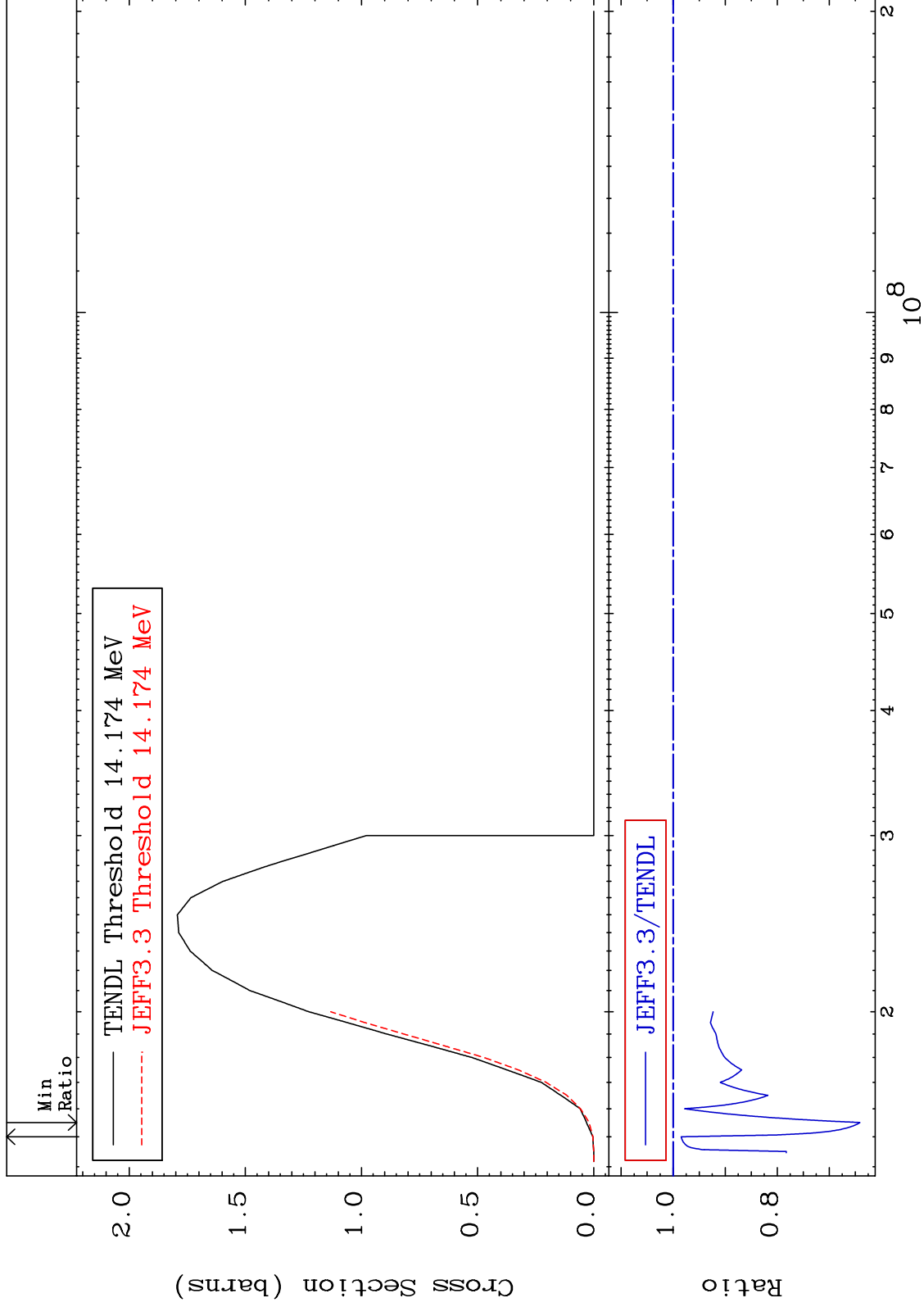
MAT 8237

(n, 3n)

82-Pb-208

Cross Section

-35.90 To -1.546%



5

Incident Energy (eV)

82-Pb-208

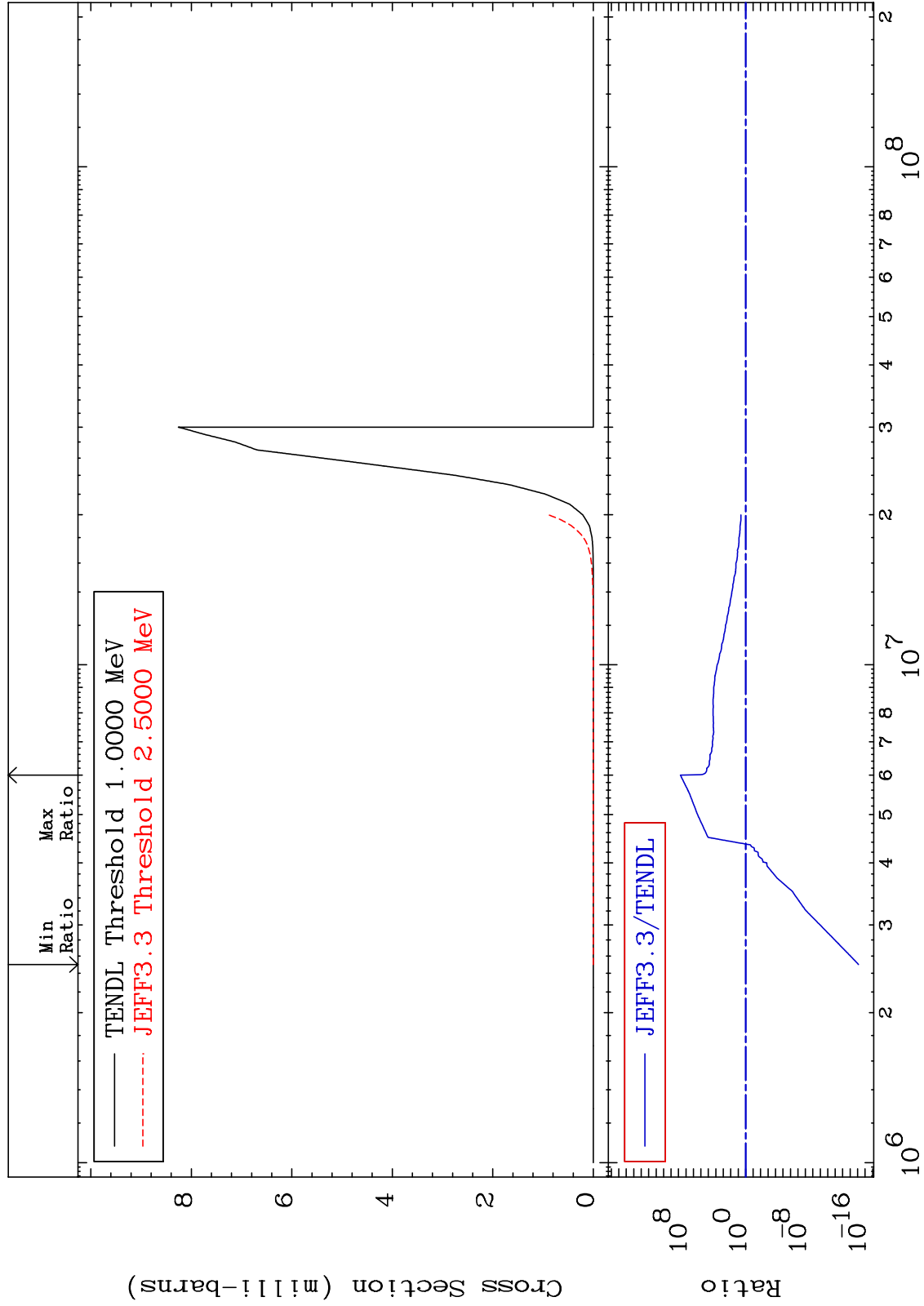
MAT 8237

(n, n') α

82-Pb-208

-100.0 To 9999. %

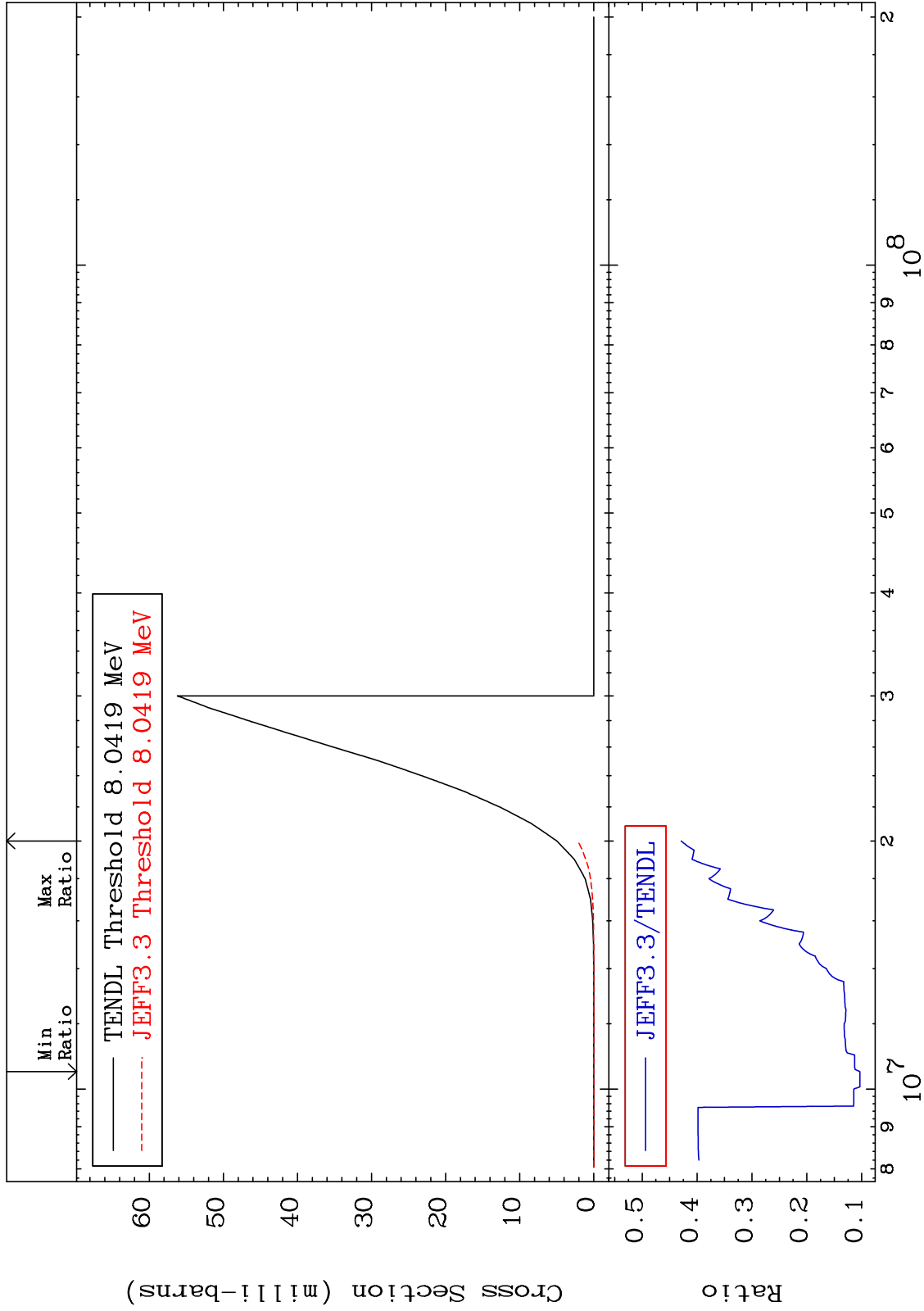
Cross Section



MAT 8237

(n,n') p
Cross Section

82-Pb-208
-89.67 To -57.11%



7

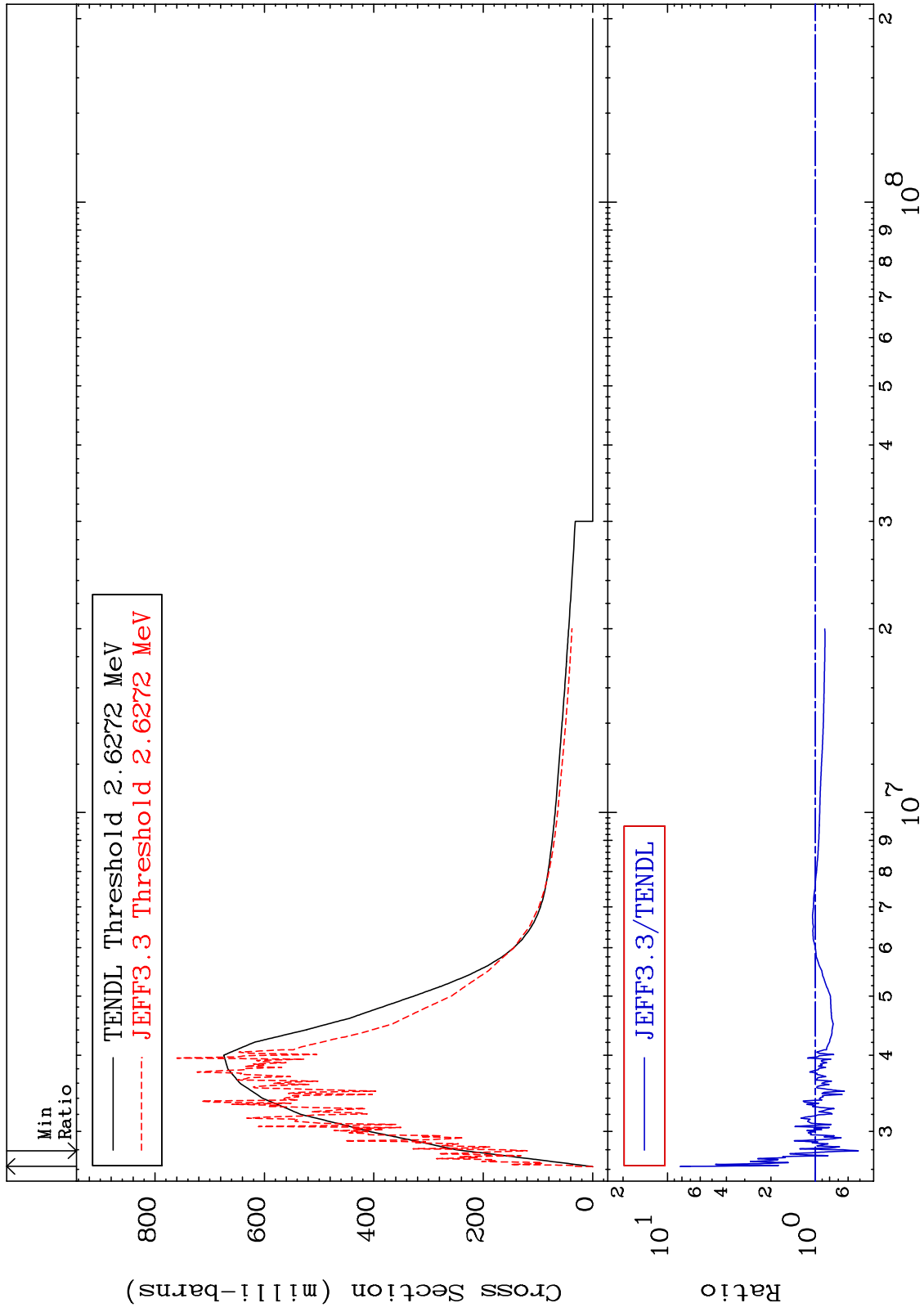
Incident Energy (eV)

82-Pb-208

MAT 8237

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

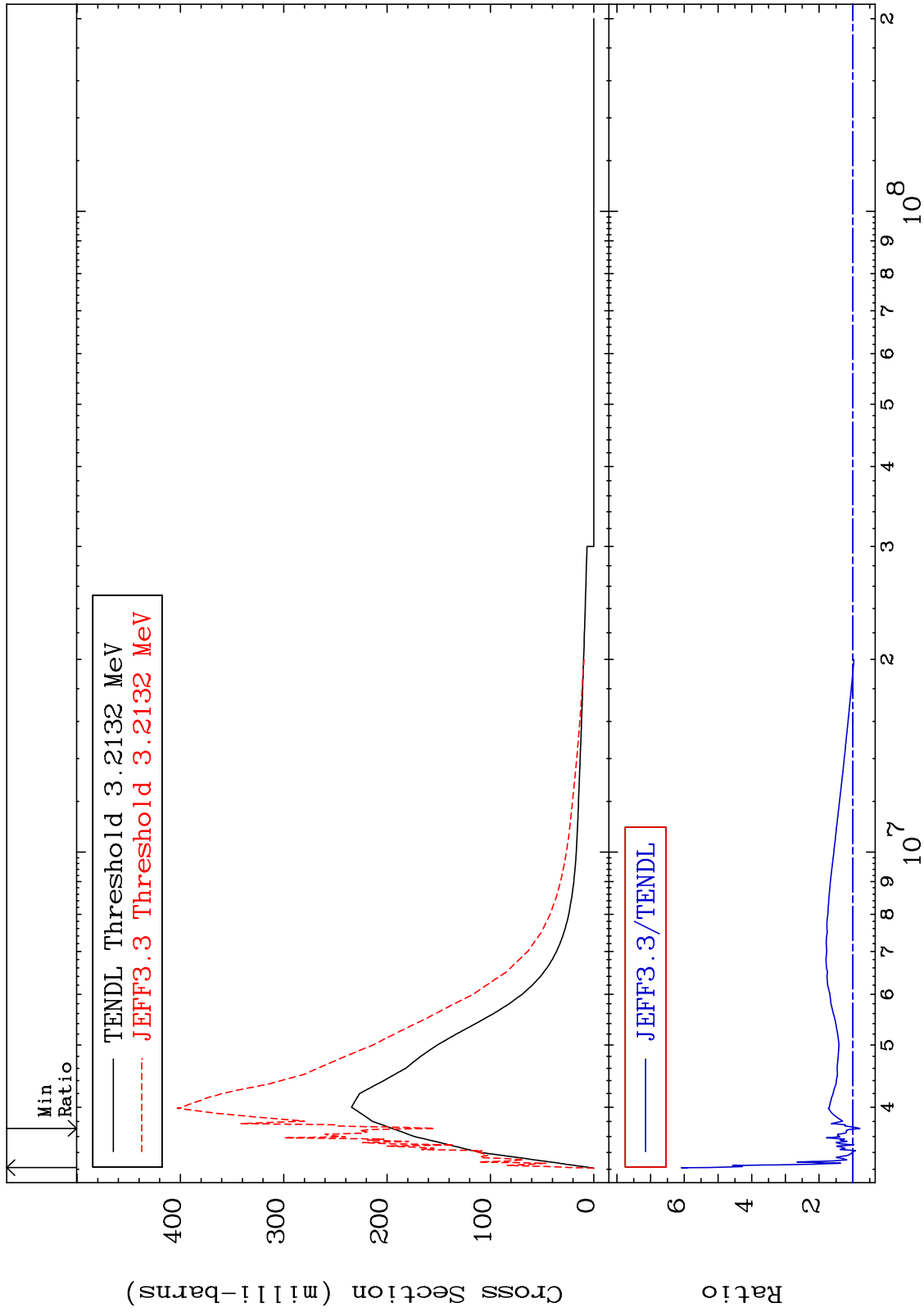
82-Pb-208
-48.91 To 723.3 %



MAT 8237

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

82-Pb-208
-21.02 To 509.1 %



9

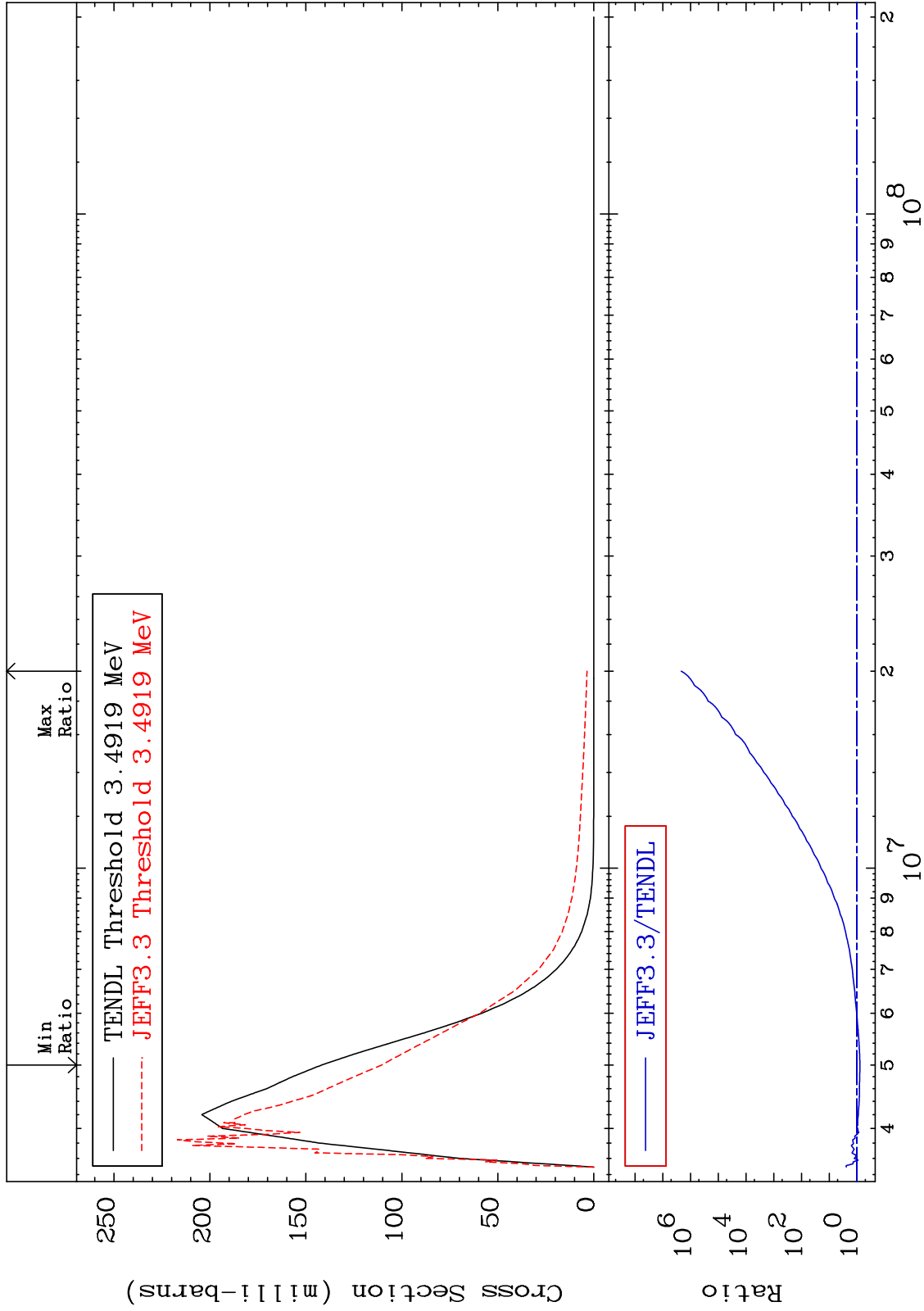
Incident Energy (eV)

82-Pb-208

MAT 8237

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

82-Pb-208
-22.05 To 9999. %



10

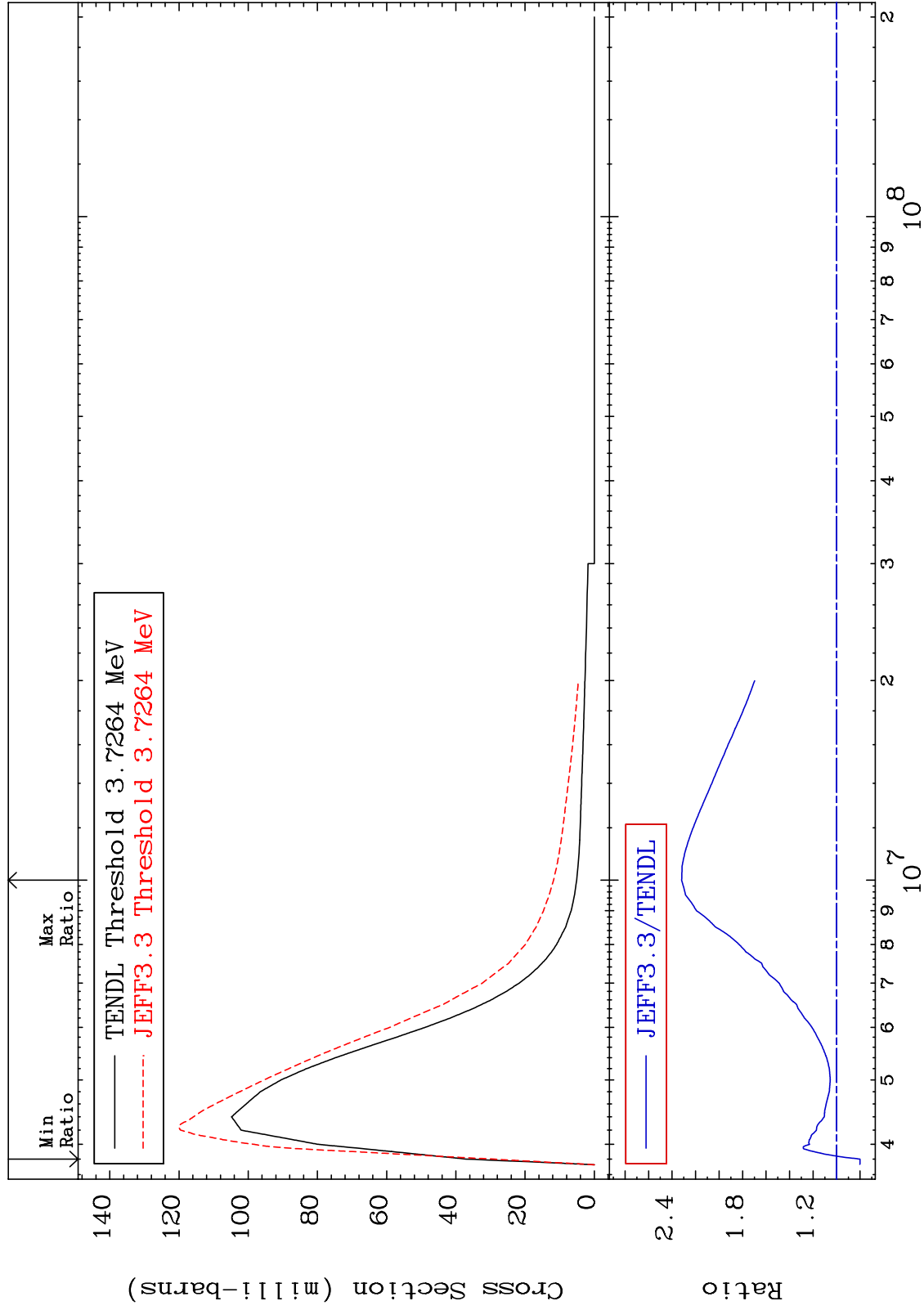
Incident Energy (eV)

82-Pb-208

MAT 8237

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

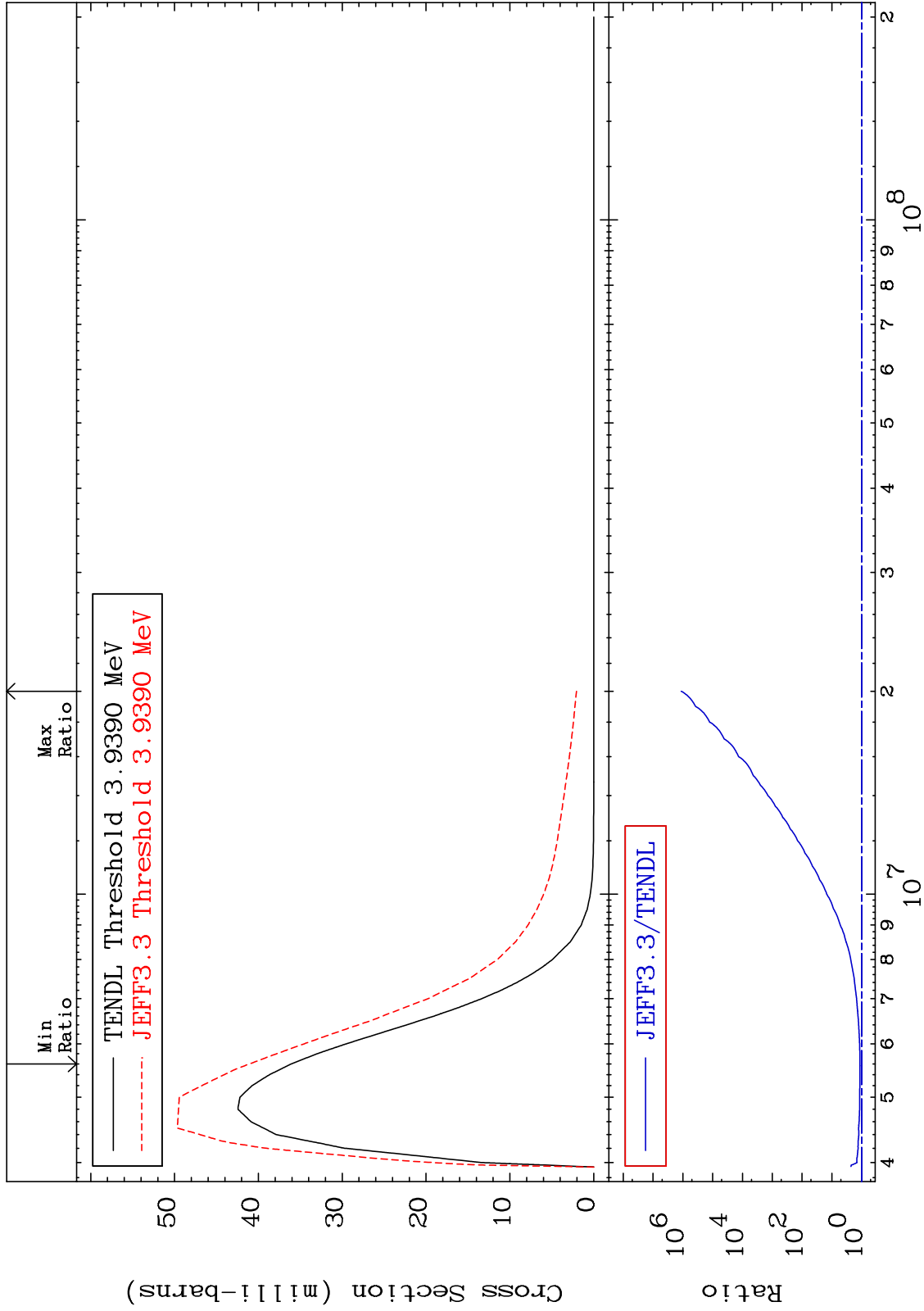
82-Pb-208
-19.95 To 131.8 %



MAT 8237

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

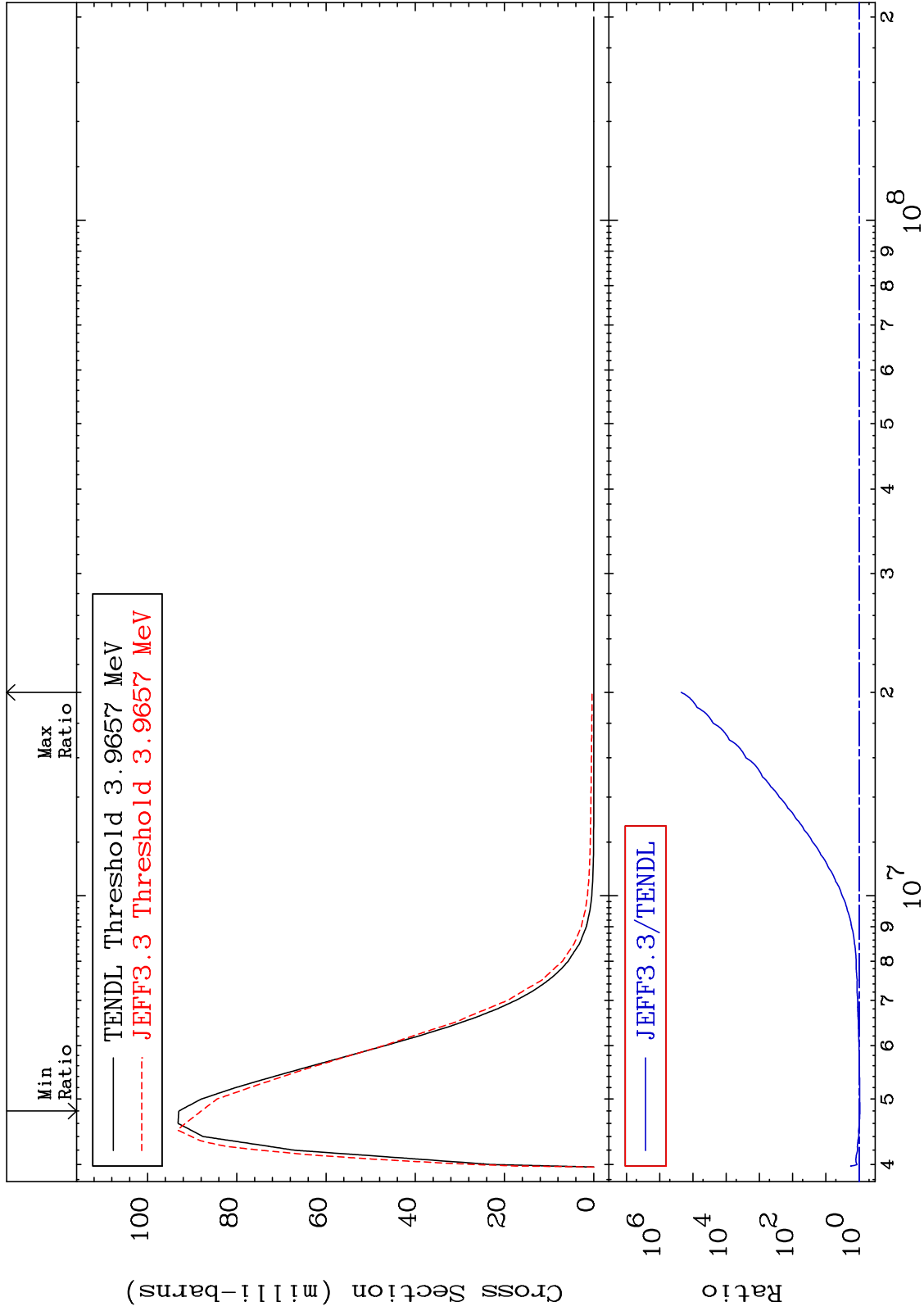
82-Pb-208
13.87 To 9999. %



MAT 8237

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

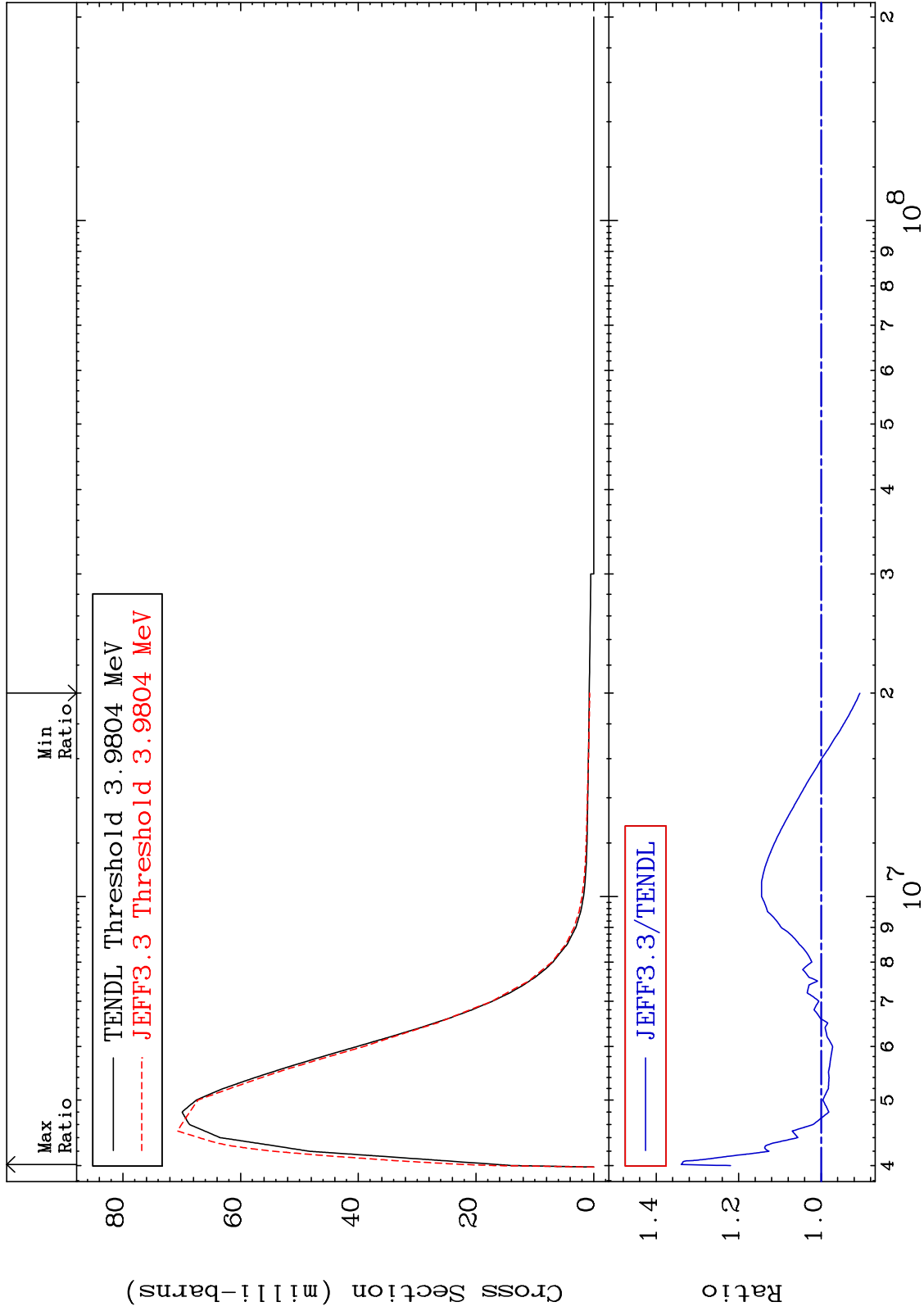
82-Pb-208
-5.400 To 9999. %



MAT 8237

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

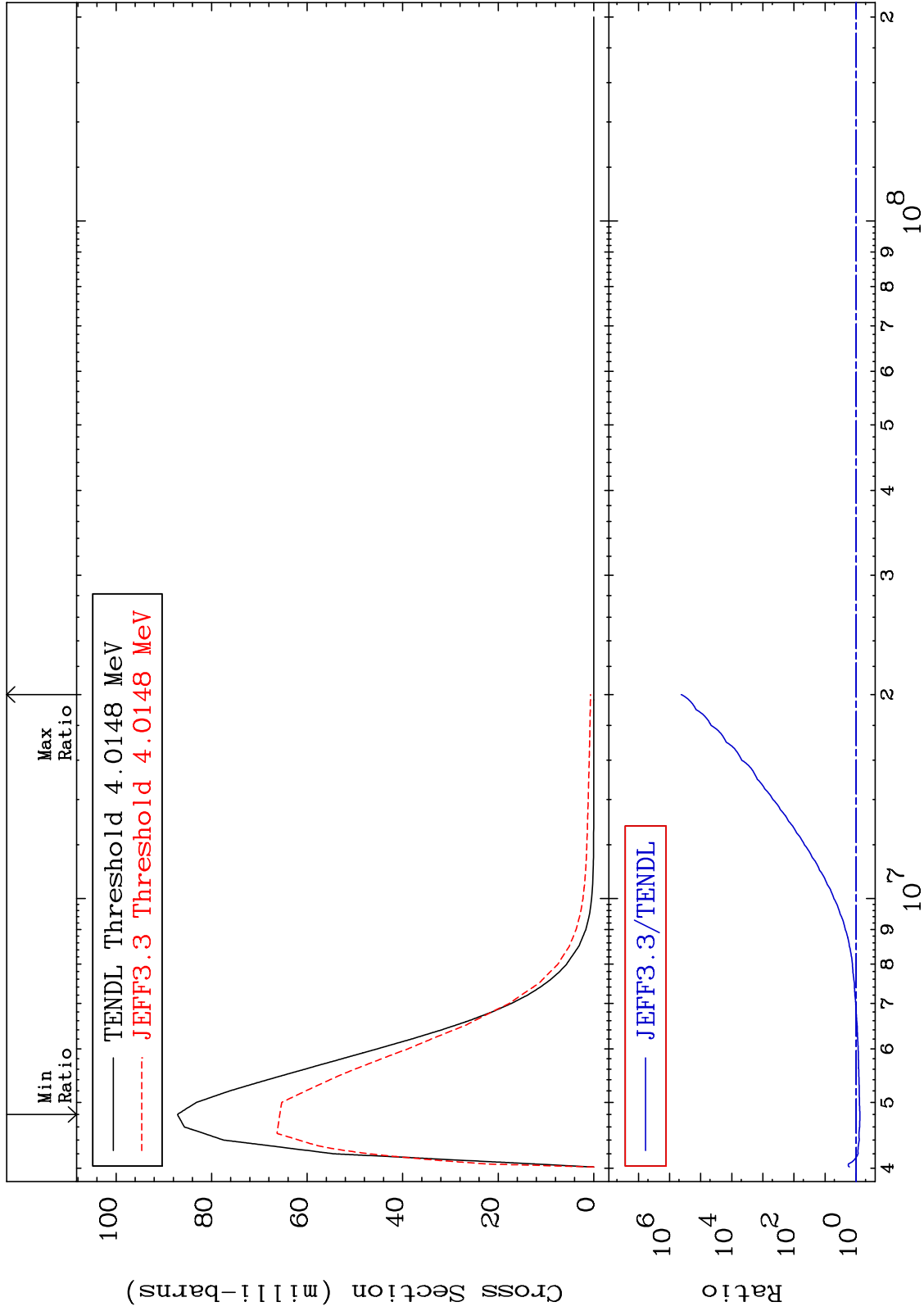
82-Pb-208
-9.404 To 33.94 %



MAT 8237

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

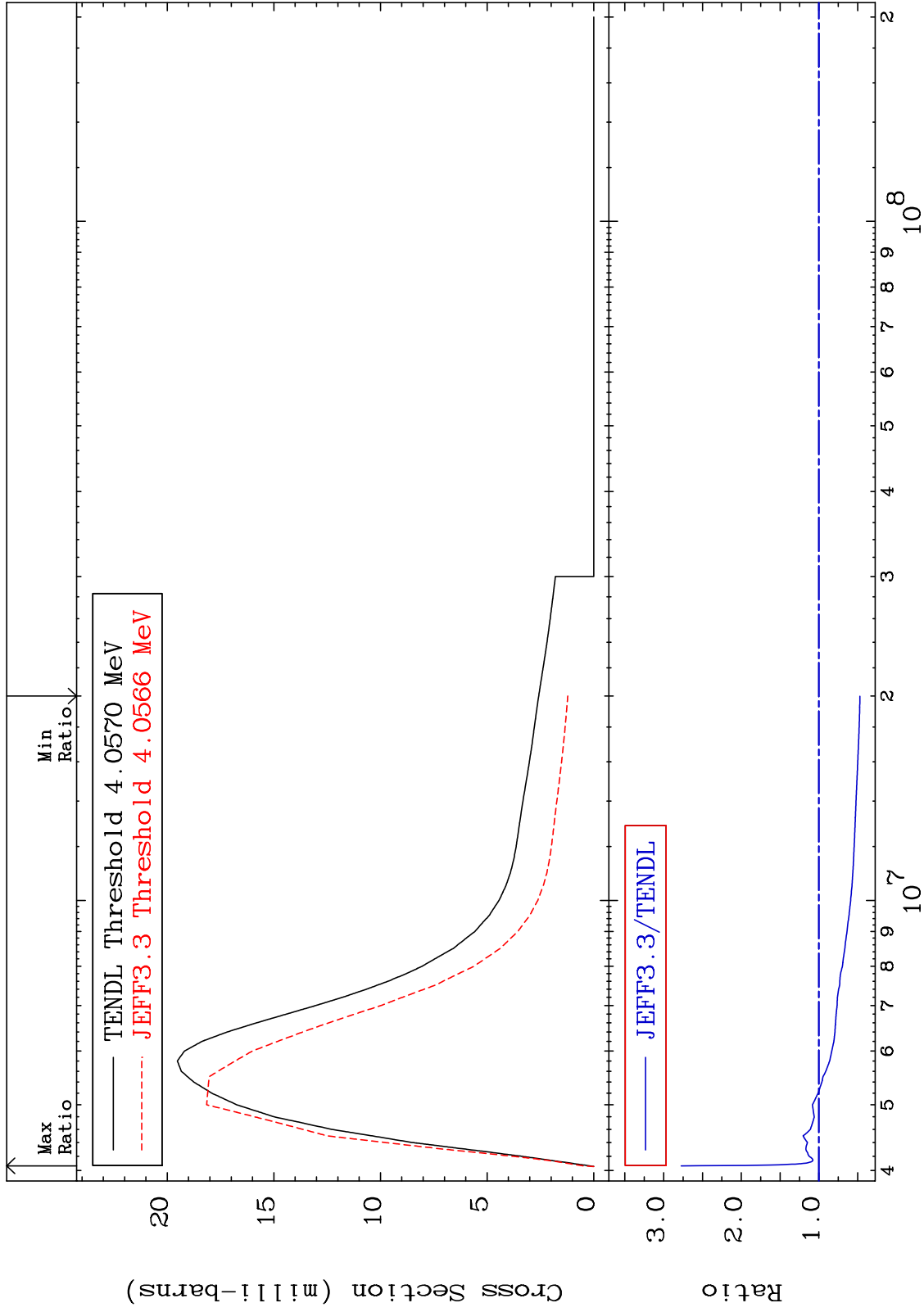
82-Pb-208
-24.61 To 9999. %



MAT 8237

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

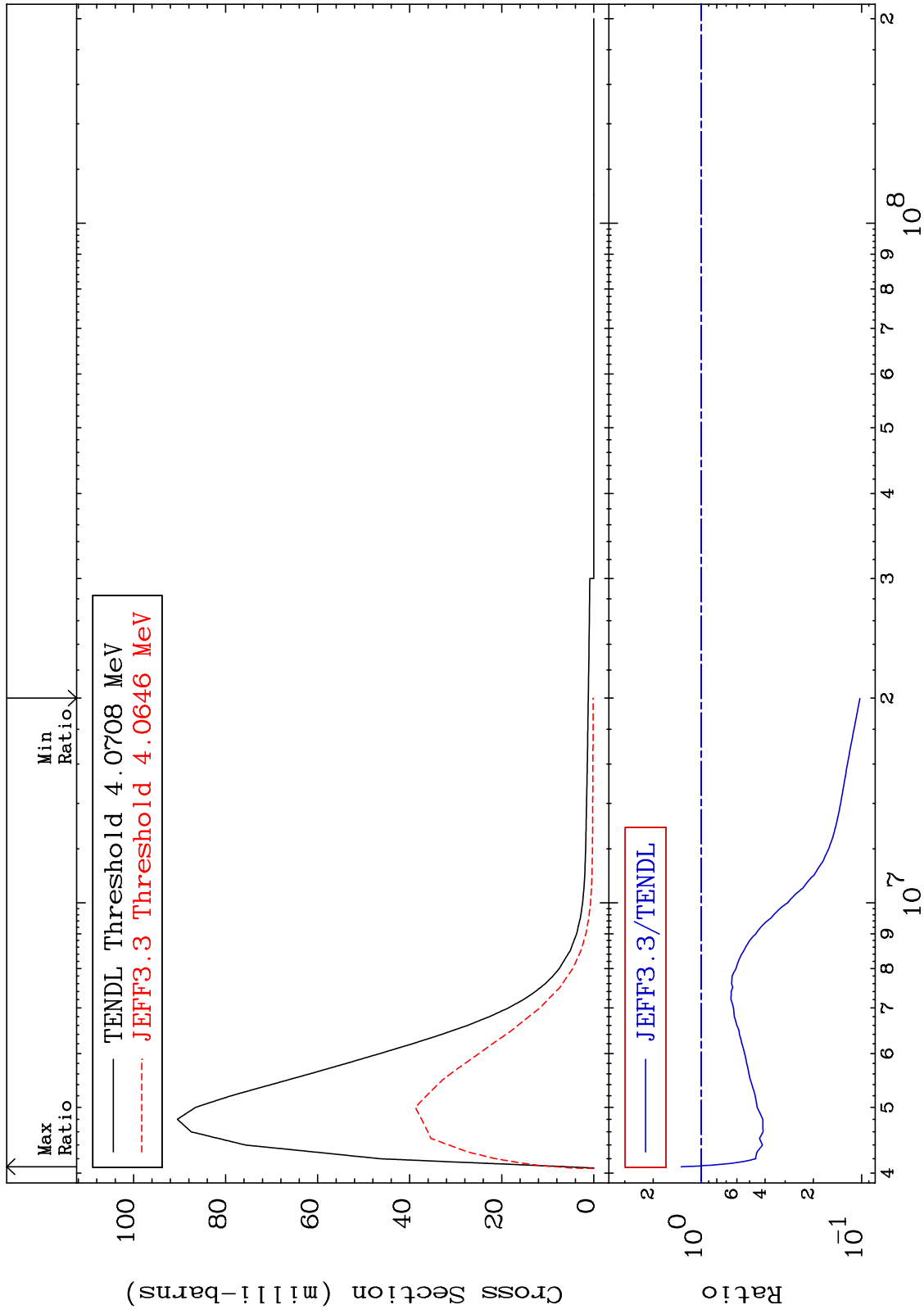
82-Pb-208
-52.85 To 177.4 %



MAT 8237

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

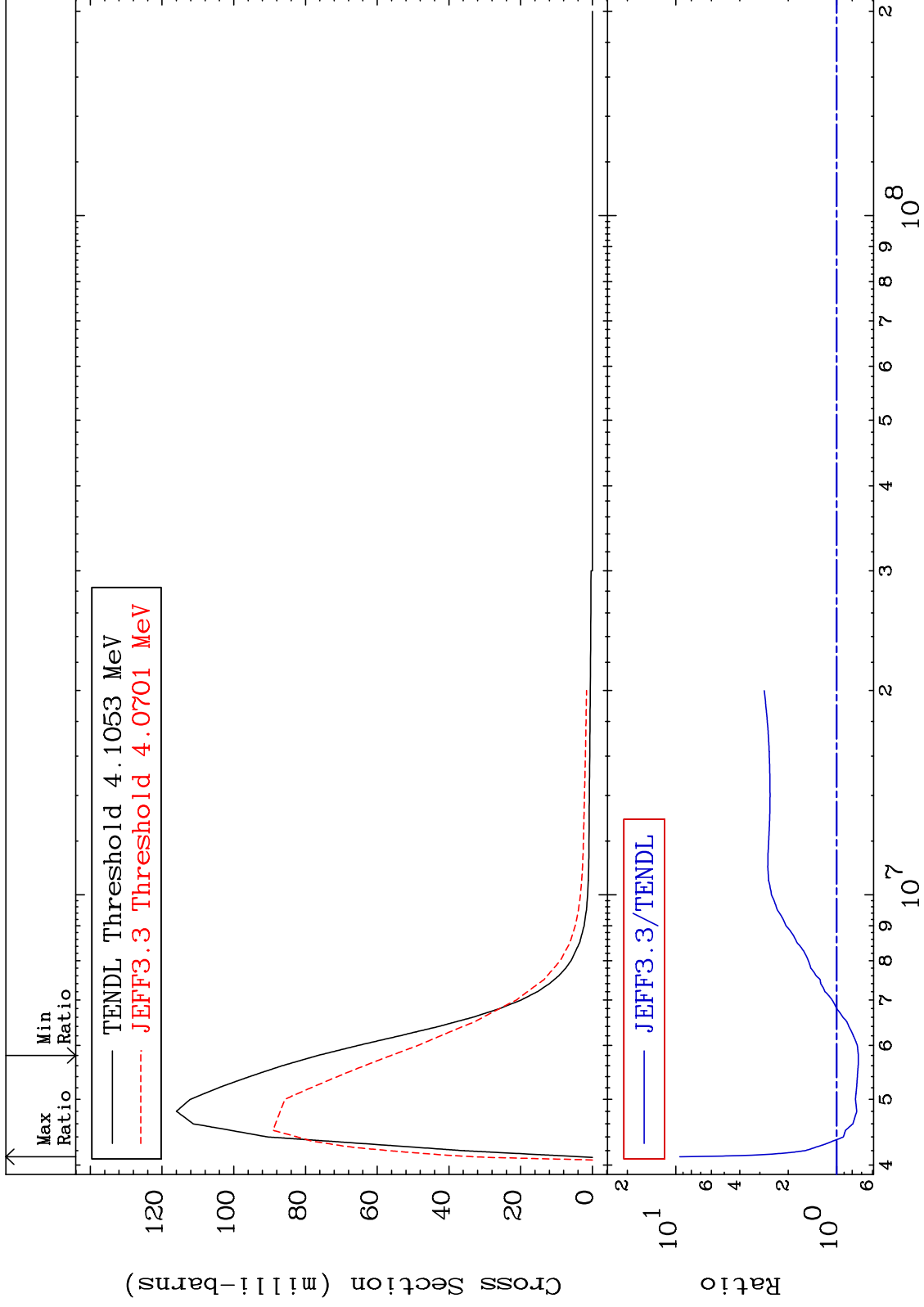
82-Pb-208
-89.76 To 33.51 %



MAT 8237

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

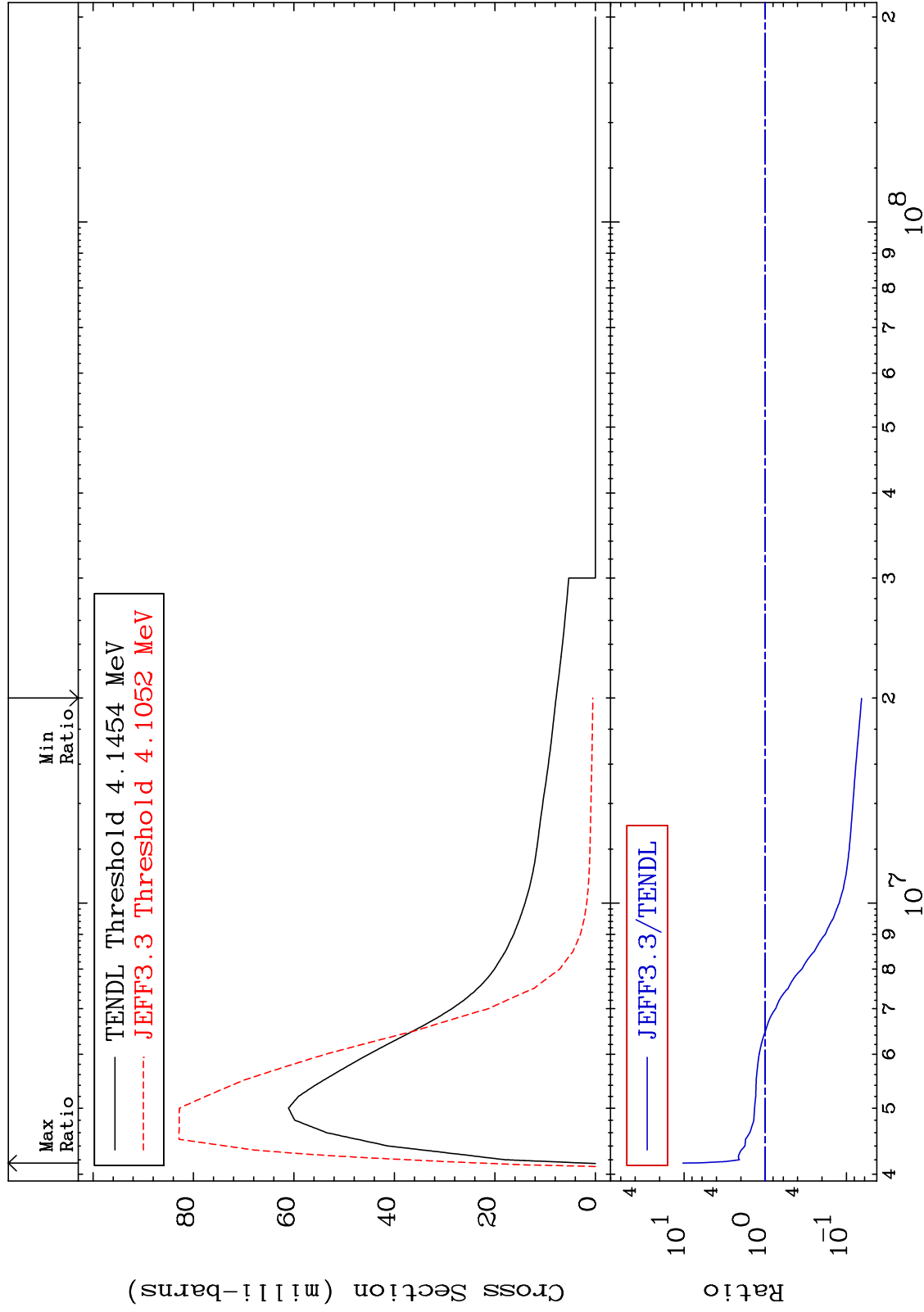
82-Pb-208
-26.65 To 843.7 %



MAT 8237

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

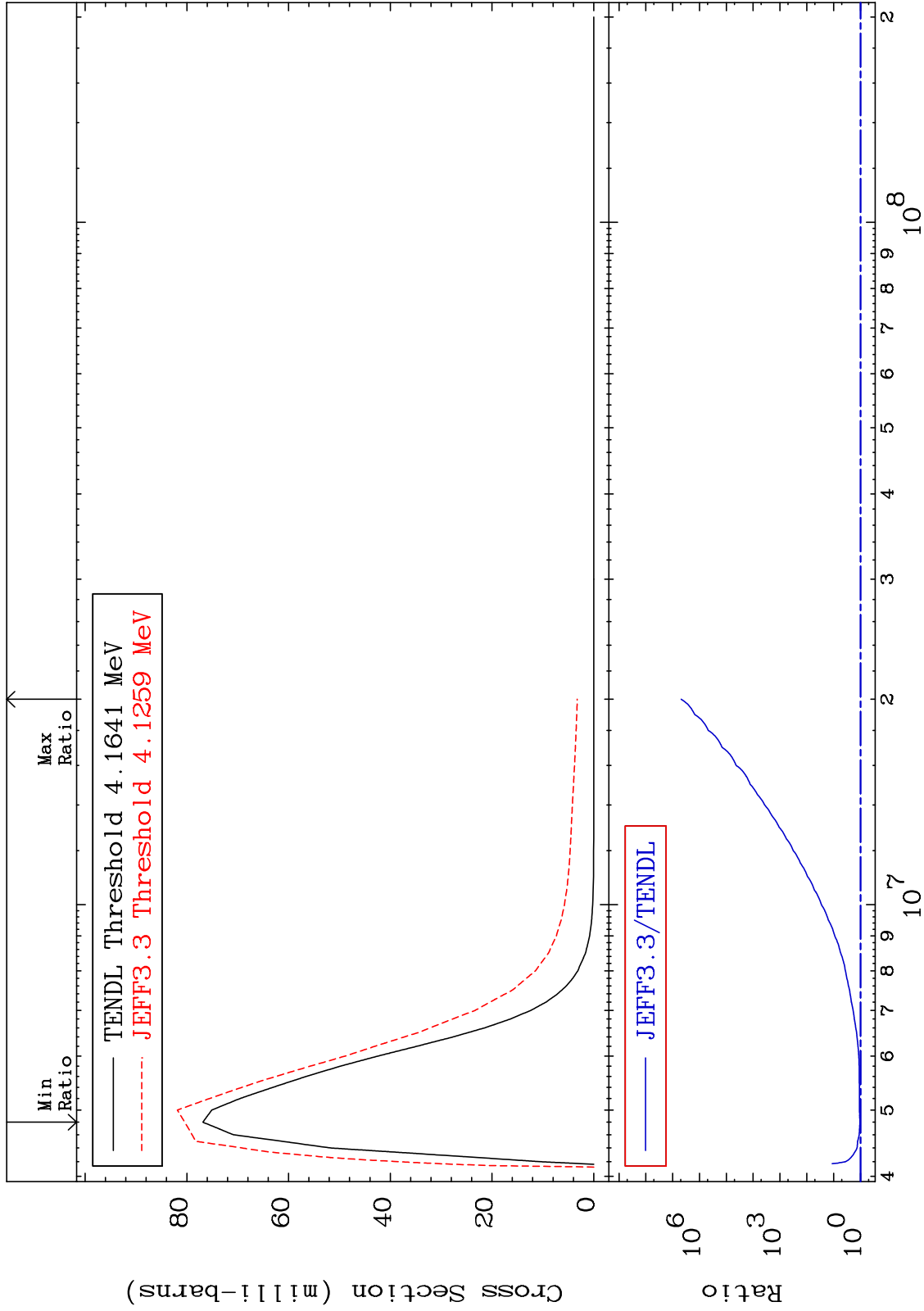
82-Pb-208
-93.48 To 934.2 %



MAT 8237

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

82-Pb-208
4.645 To 9999. %



20

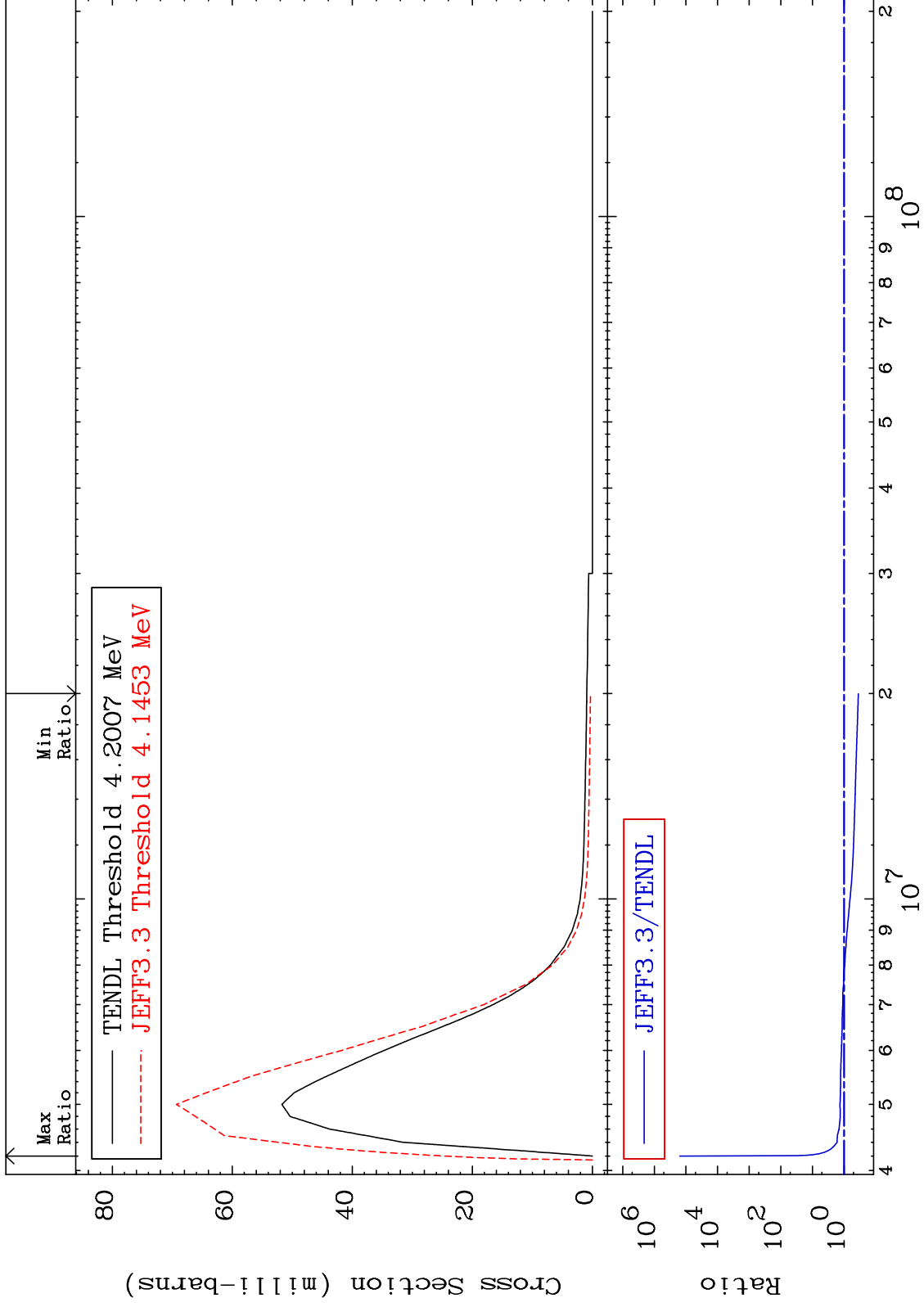
Incident Energy (eV)

82-Pb-208

MAT 8237

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

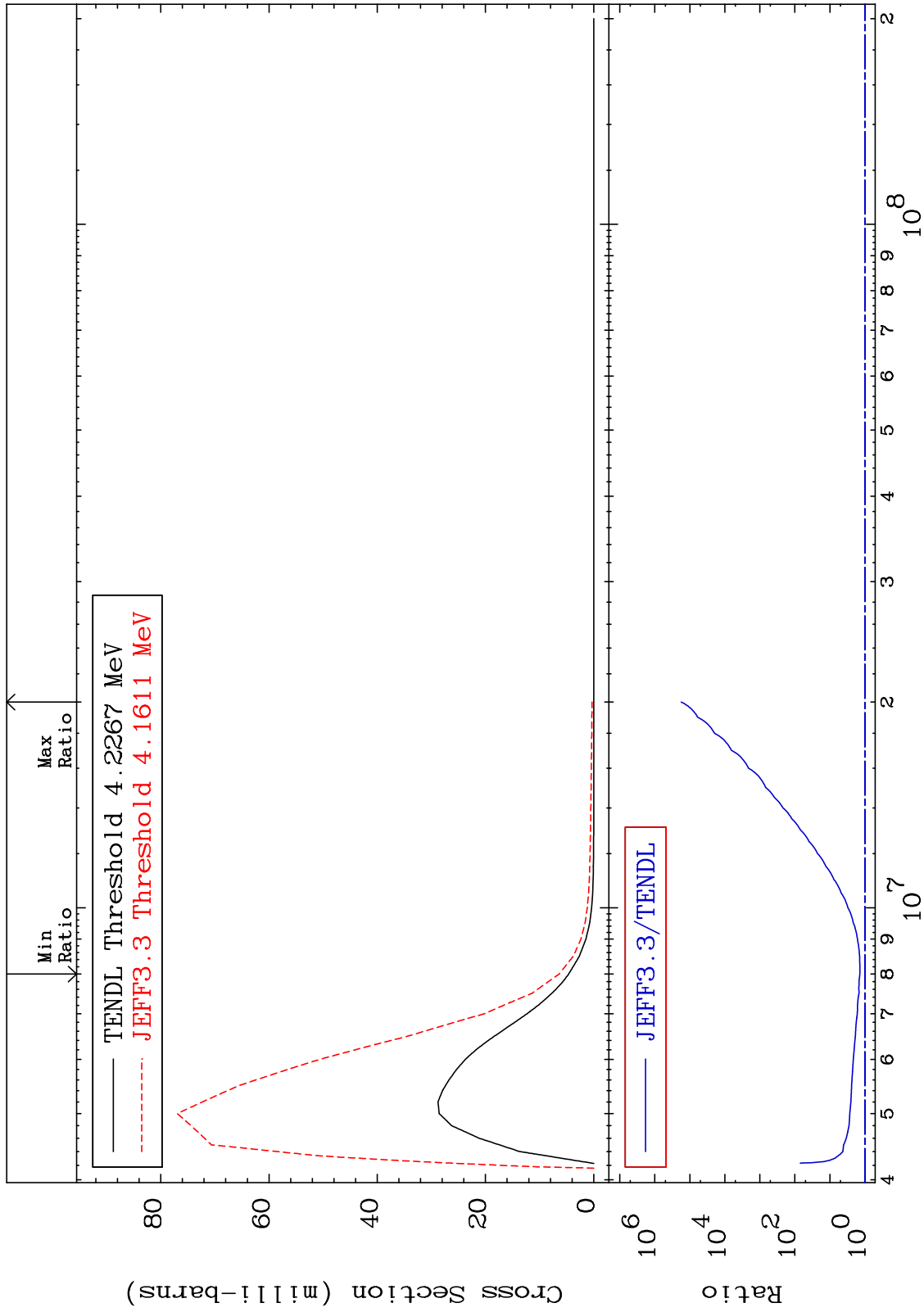
82-Pb-208
-64.82 To 9999. %



MAT 8237

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

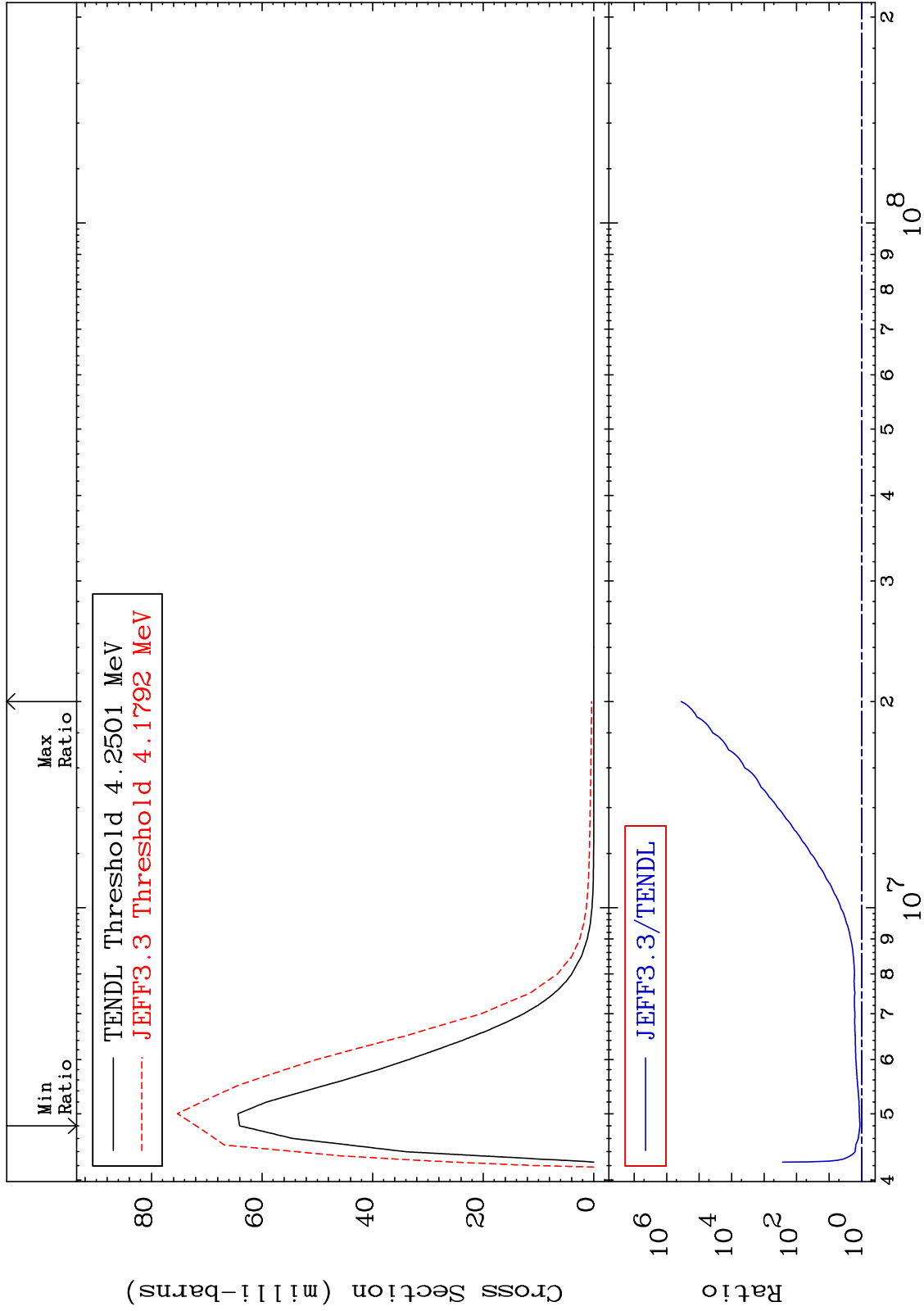
82-Pb-208
38.29 To 9999. %



MAT 8237

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

12.25 To 9999. %
82-Pb-208



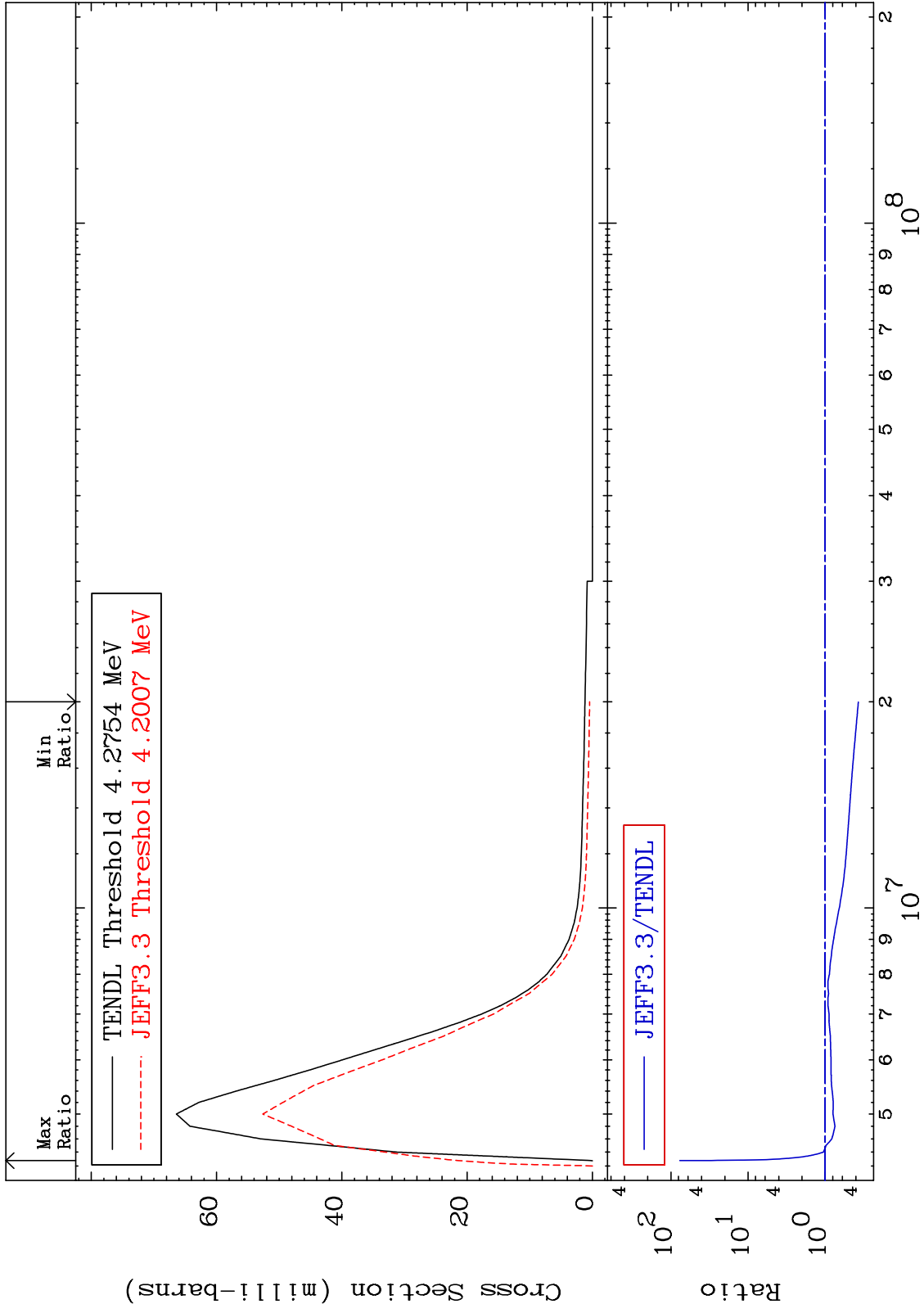
82-Pb-208

Incident Energy (eV)

MAT 8237

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

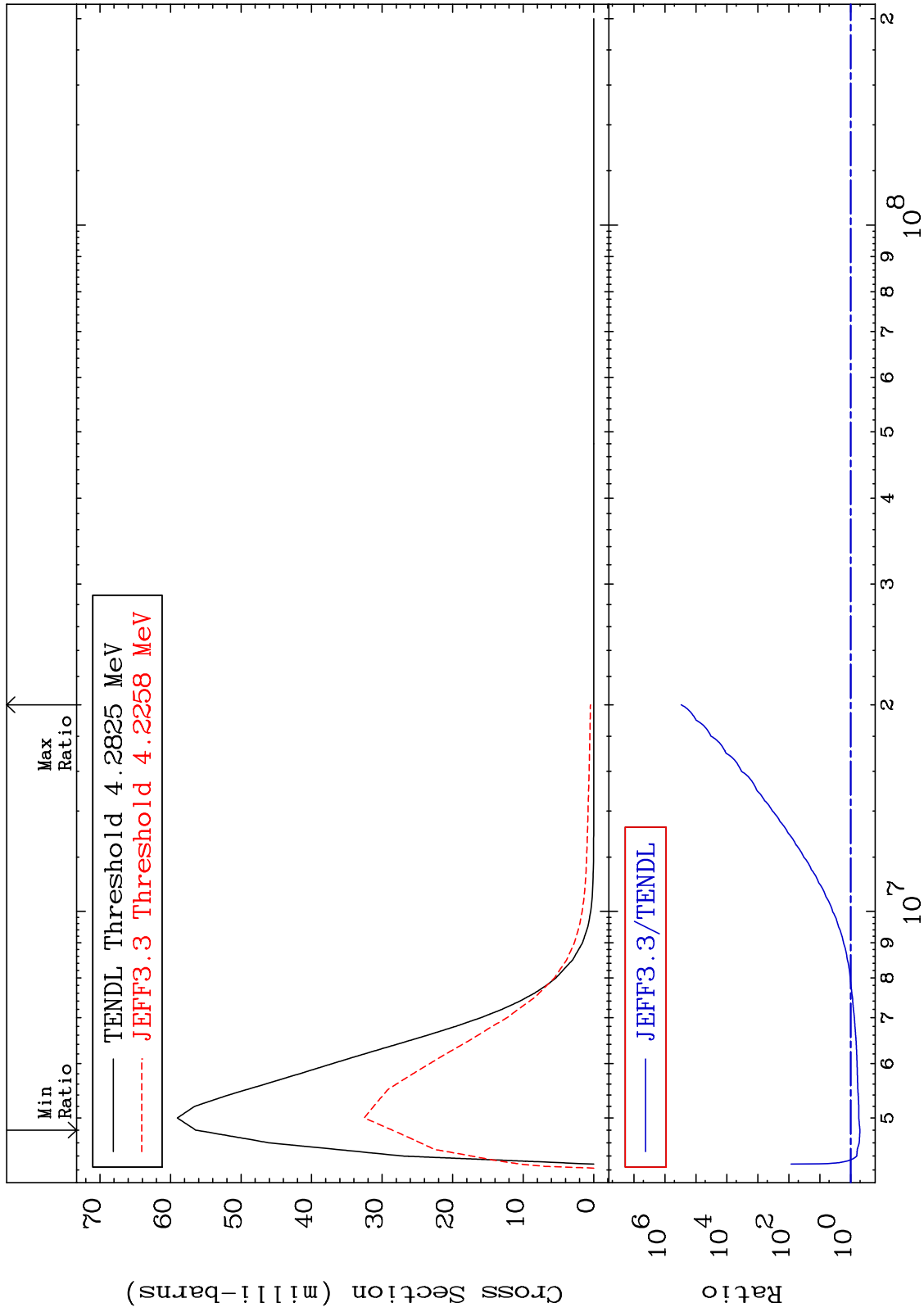
82-Pb-208
-62.81 To 7572. %



MAT 8237

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

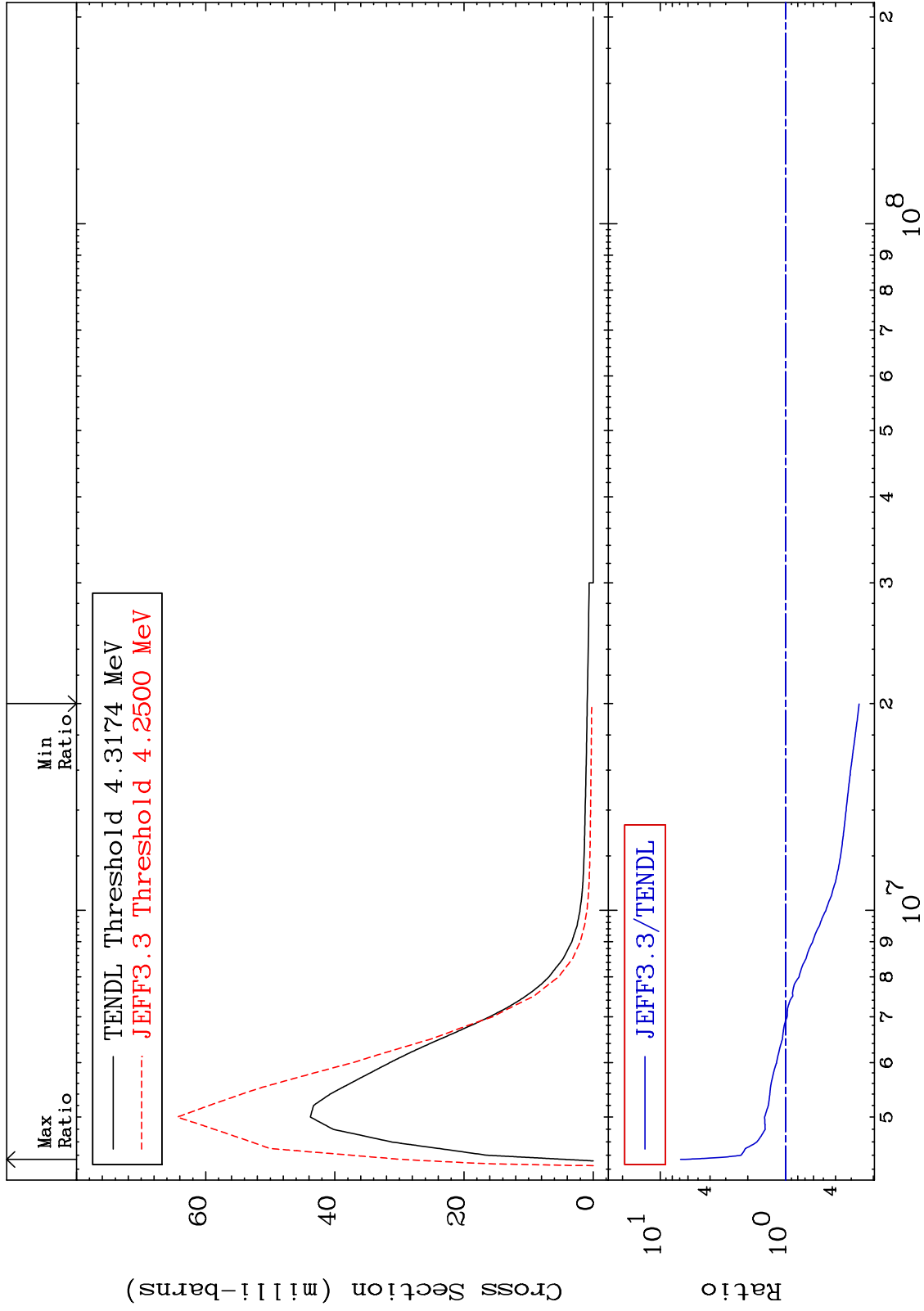
82-Pb-208
-49.38 To 9999. %



MAT 8237

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

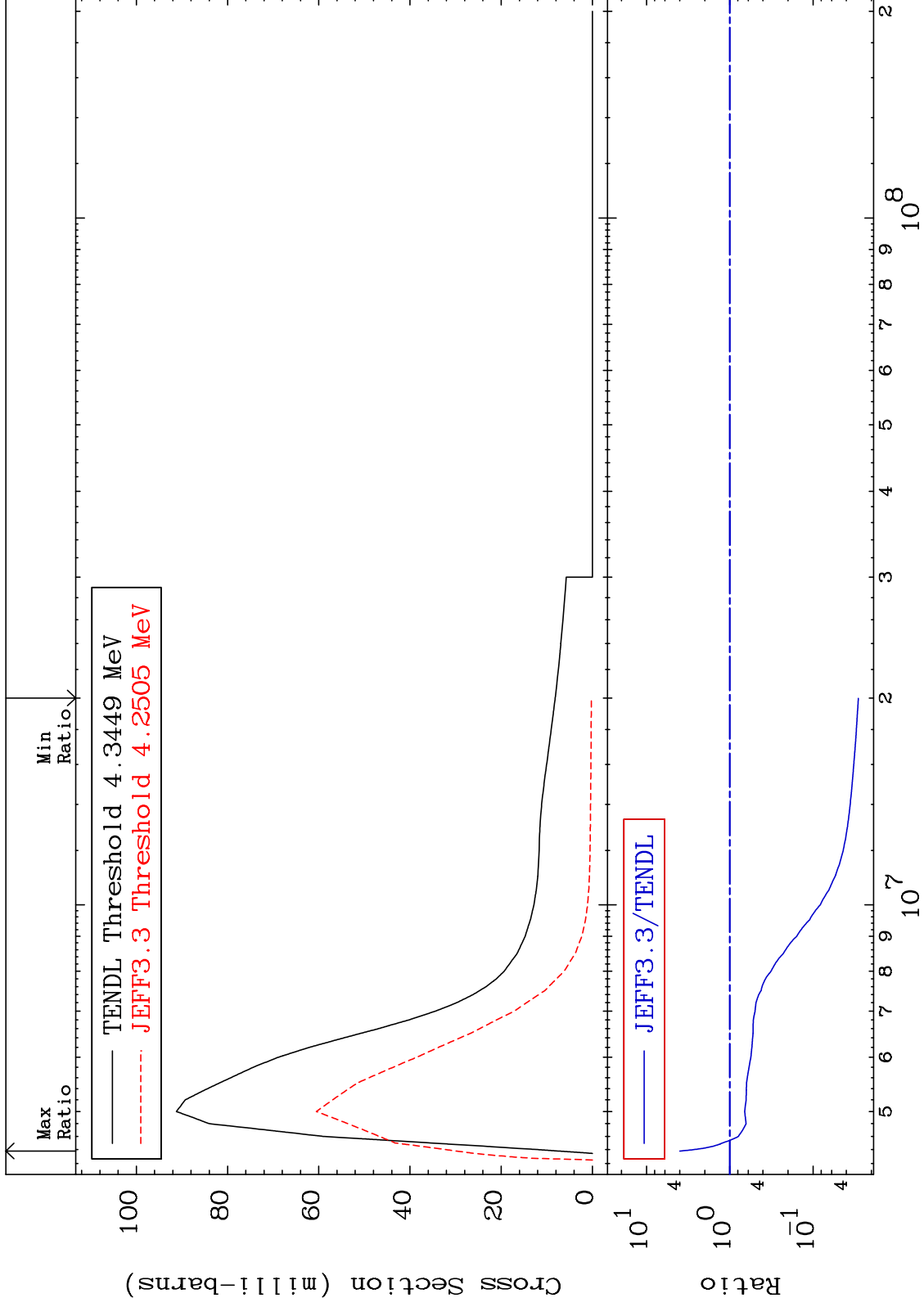
82-Pb-208
-74.07 To 587.3 %



MAT 8237

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

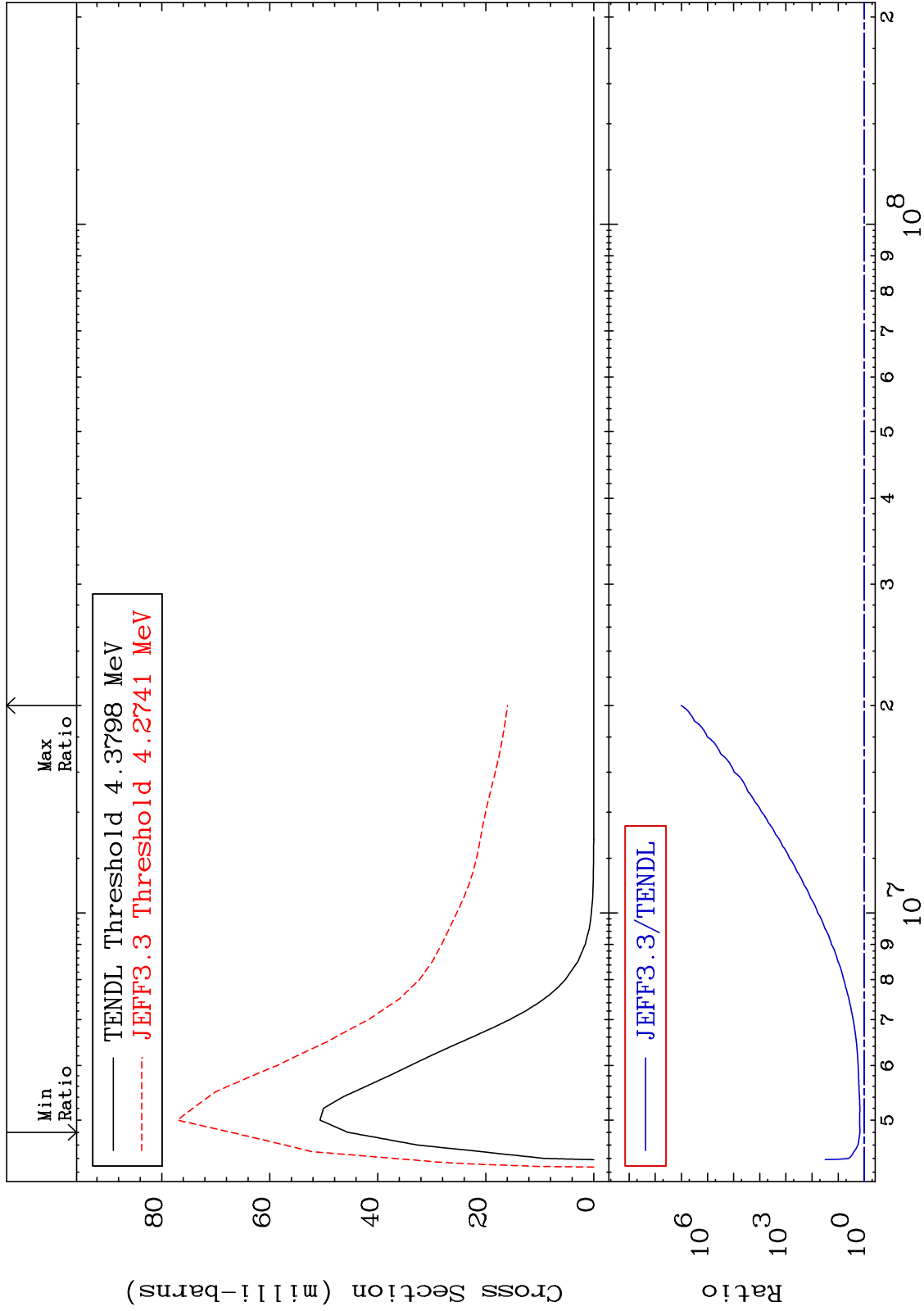
82-Pb-208
-97.13 To 298.5 %



MAT 8237

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

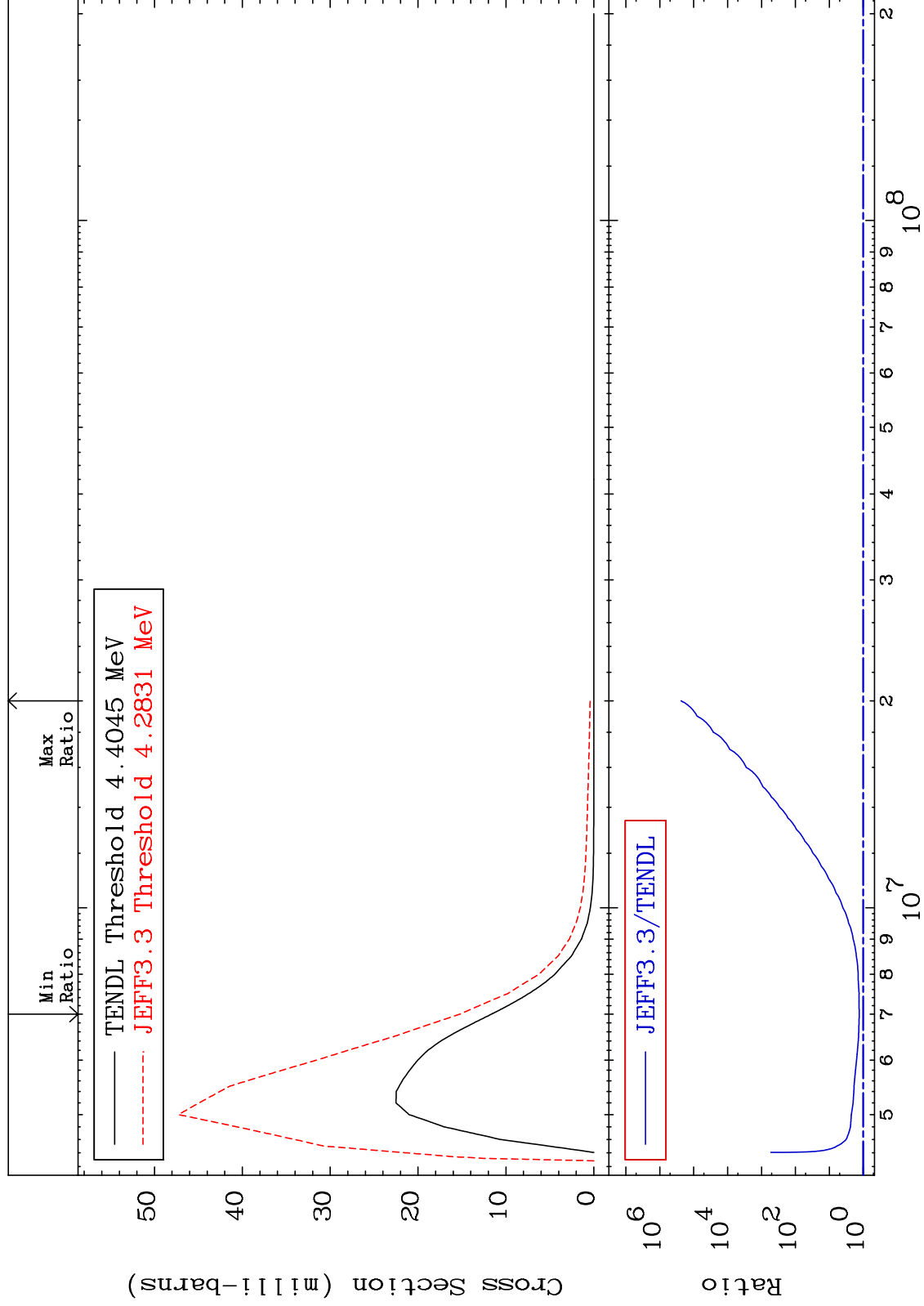
47.40 To 9999. %
82-Pb-208



MAT 8237

MT= 72 (n,n') Level
Cross Section

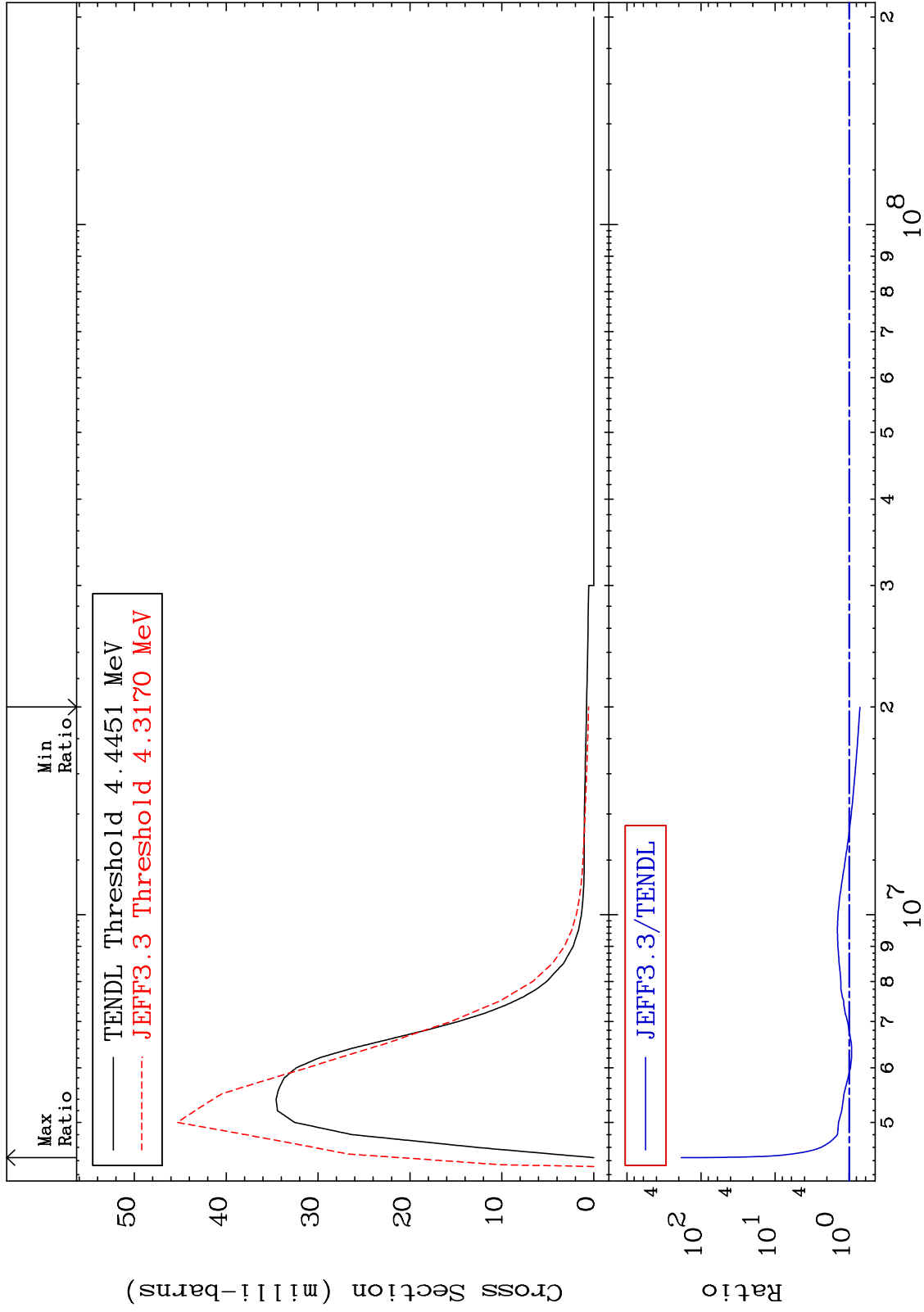
82-Pb-208
30.91 To 9999. %



MAT 8237

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

82-Pb-208
-28.42 To 9999. %



30

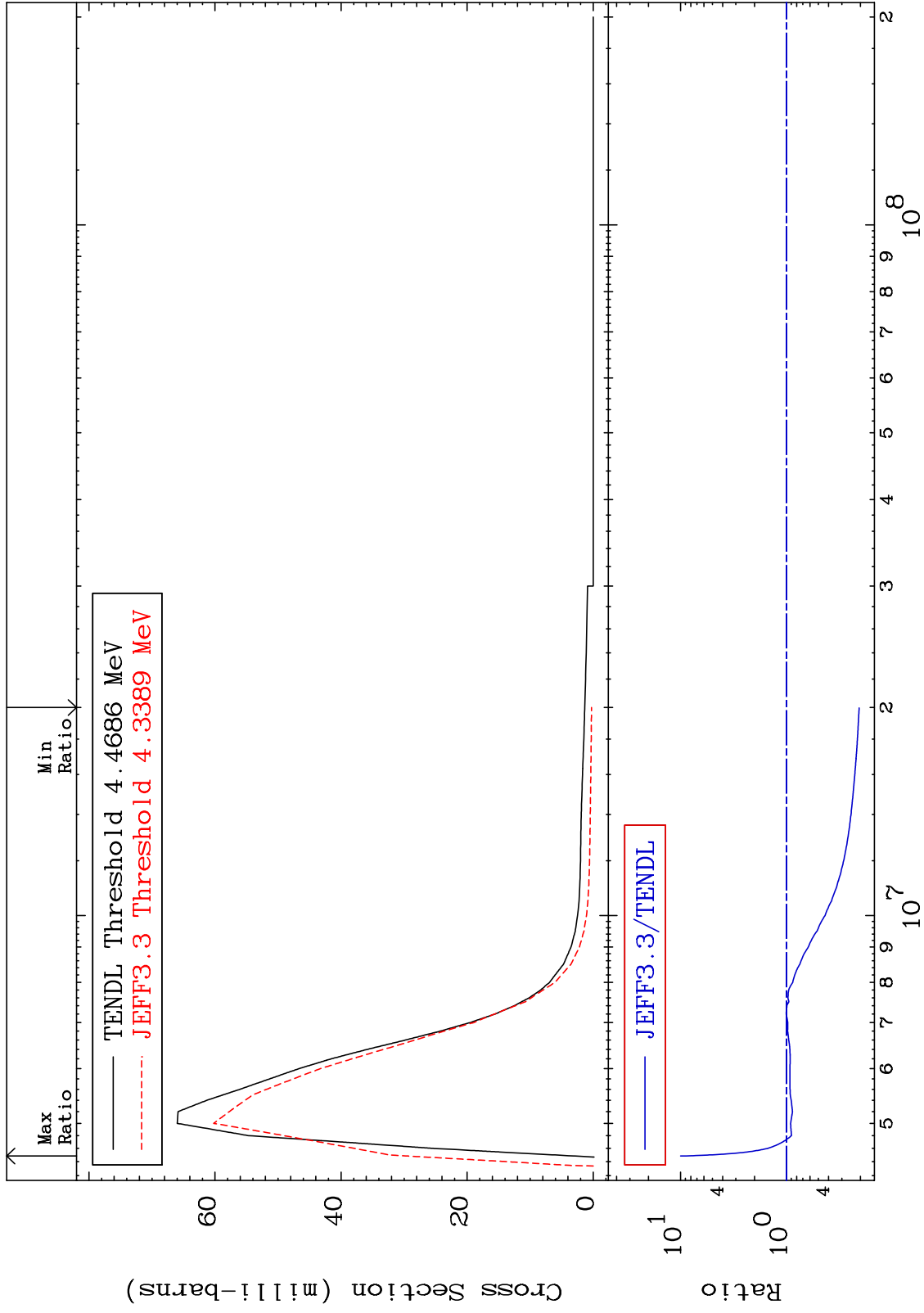
Incident Energy (eV)

82-Pb-208

MAT 8237

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

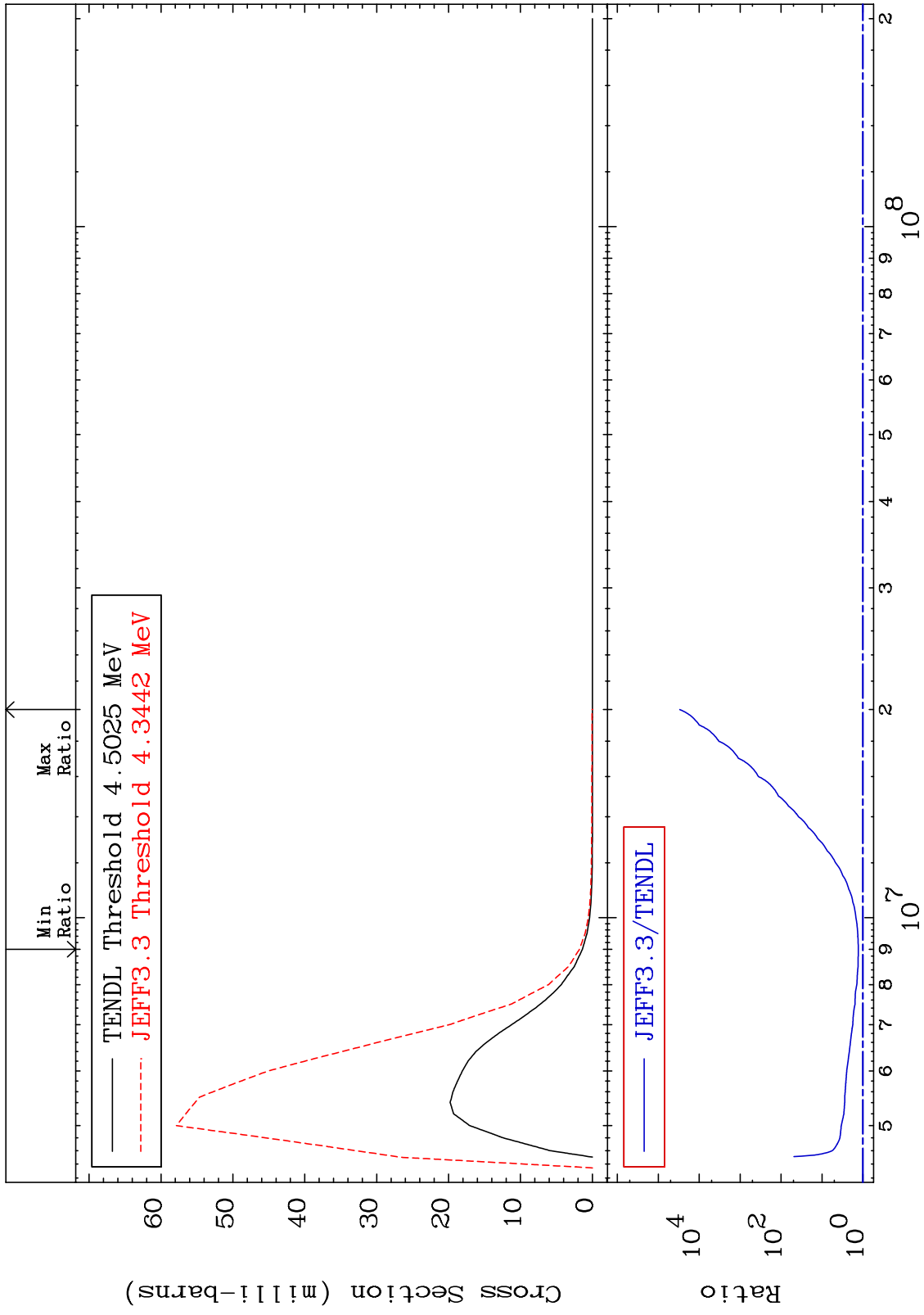
82-Pb-208
-79.43 To 896.5 %



MAT 8237

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

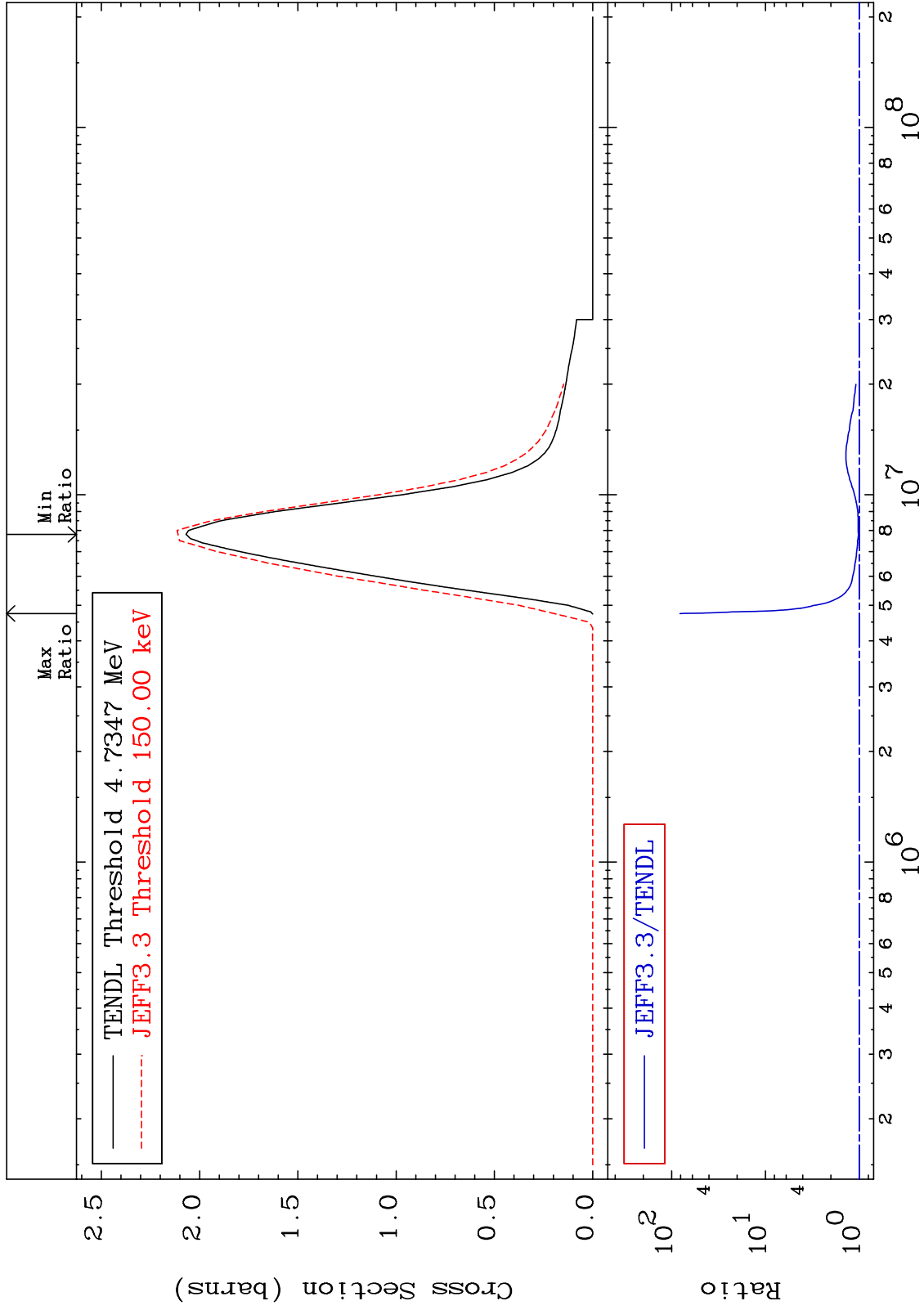
82-Pb-208
29.57 To 9999. %



MAT 8237

(n, n') Continuum
Cross Section

82-Pb-208
1.965 To 8025. %



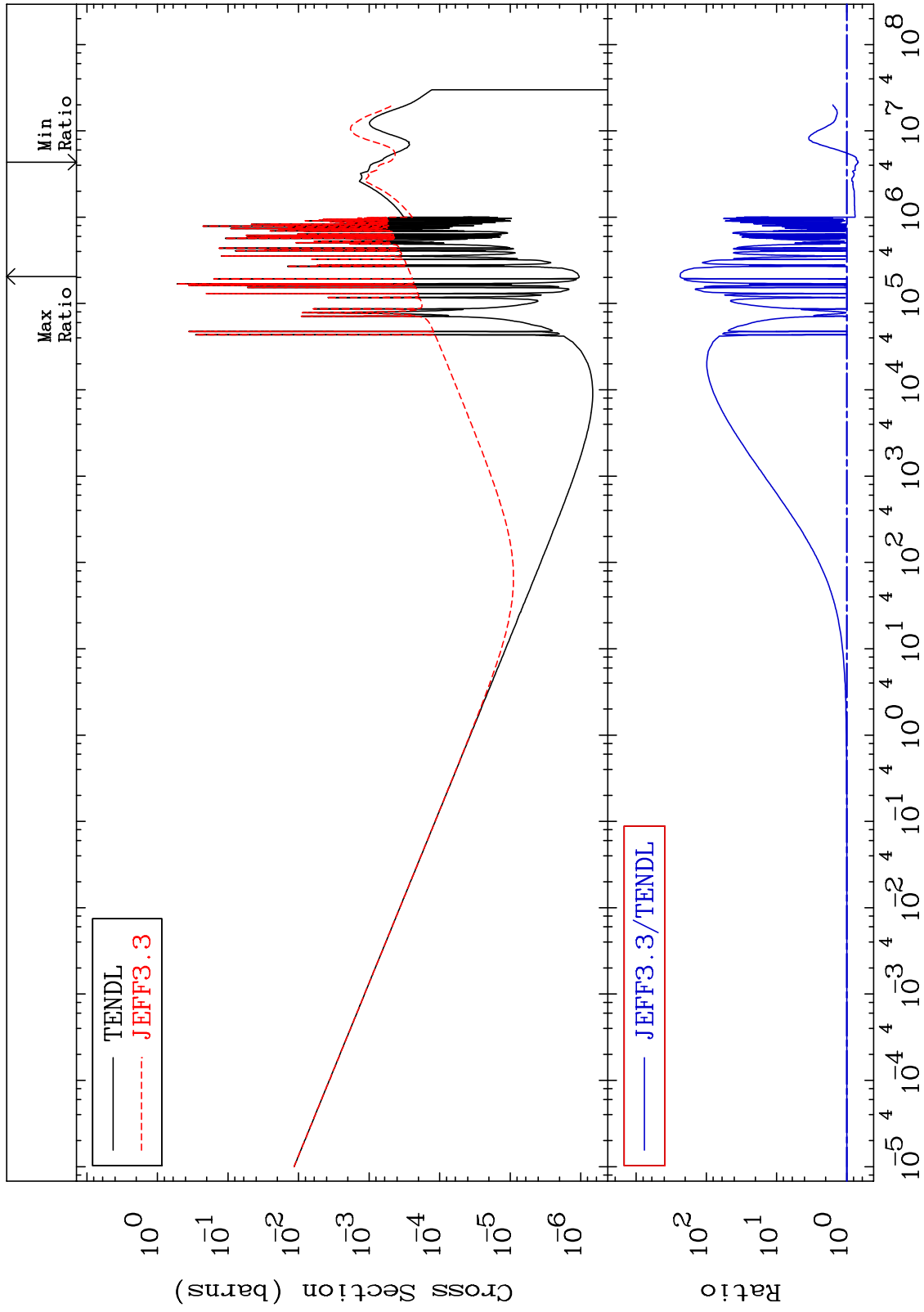
MAT 8237

(n, γ)

82-Pb-208

Cross Section

-31.69 To 9999. %



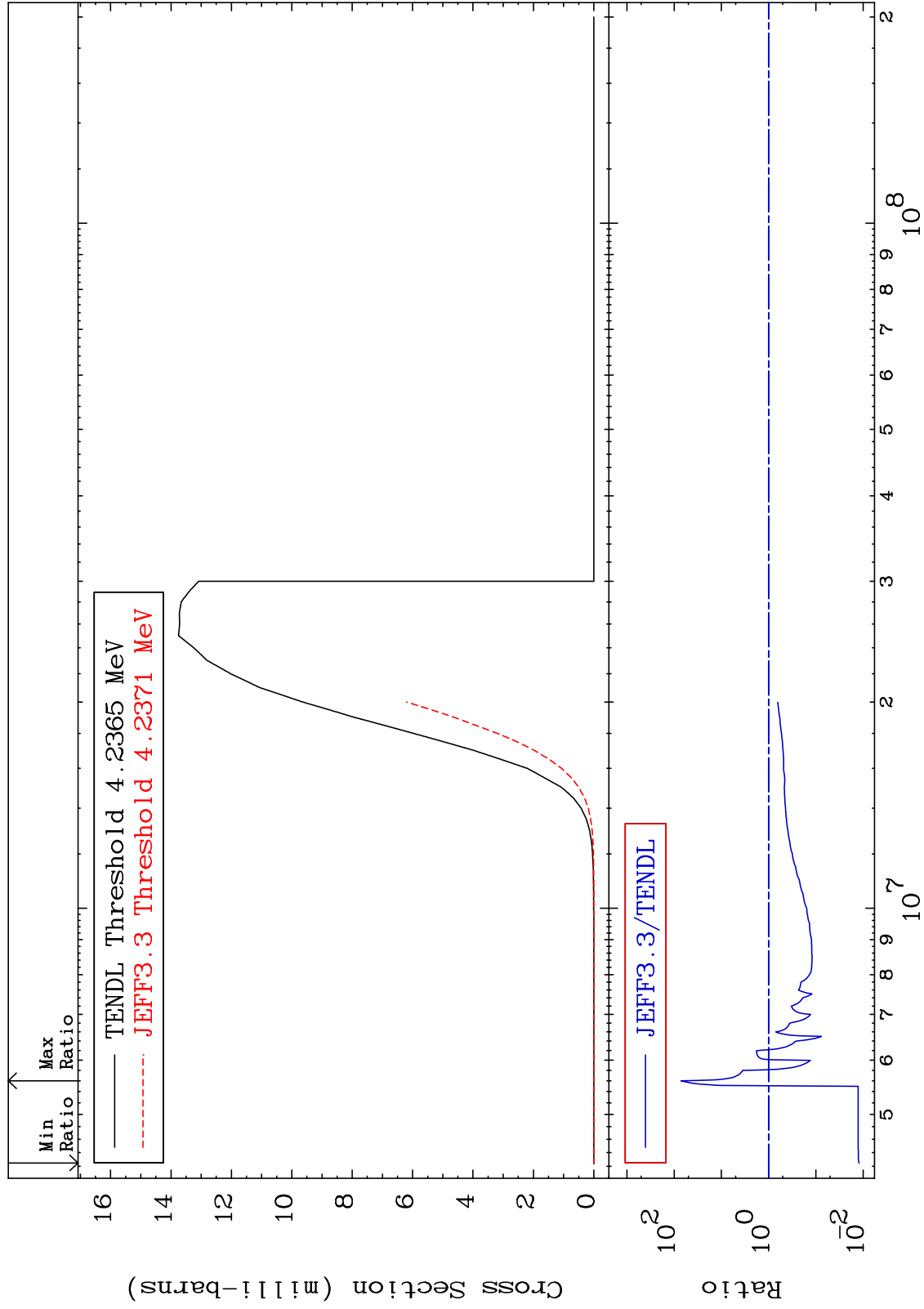
MAT 8237

(n,p)

82-Pb-208

Cross Section

-98.80 To 7039. %



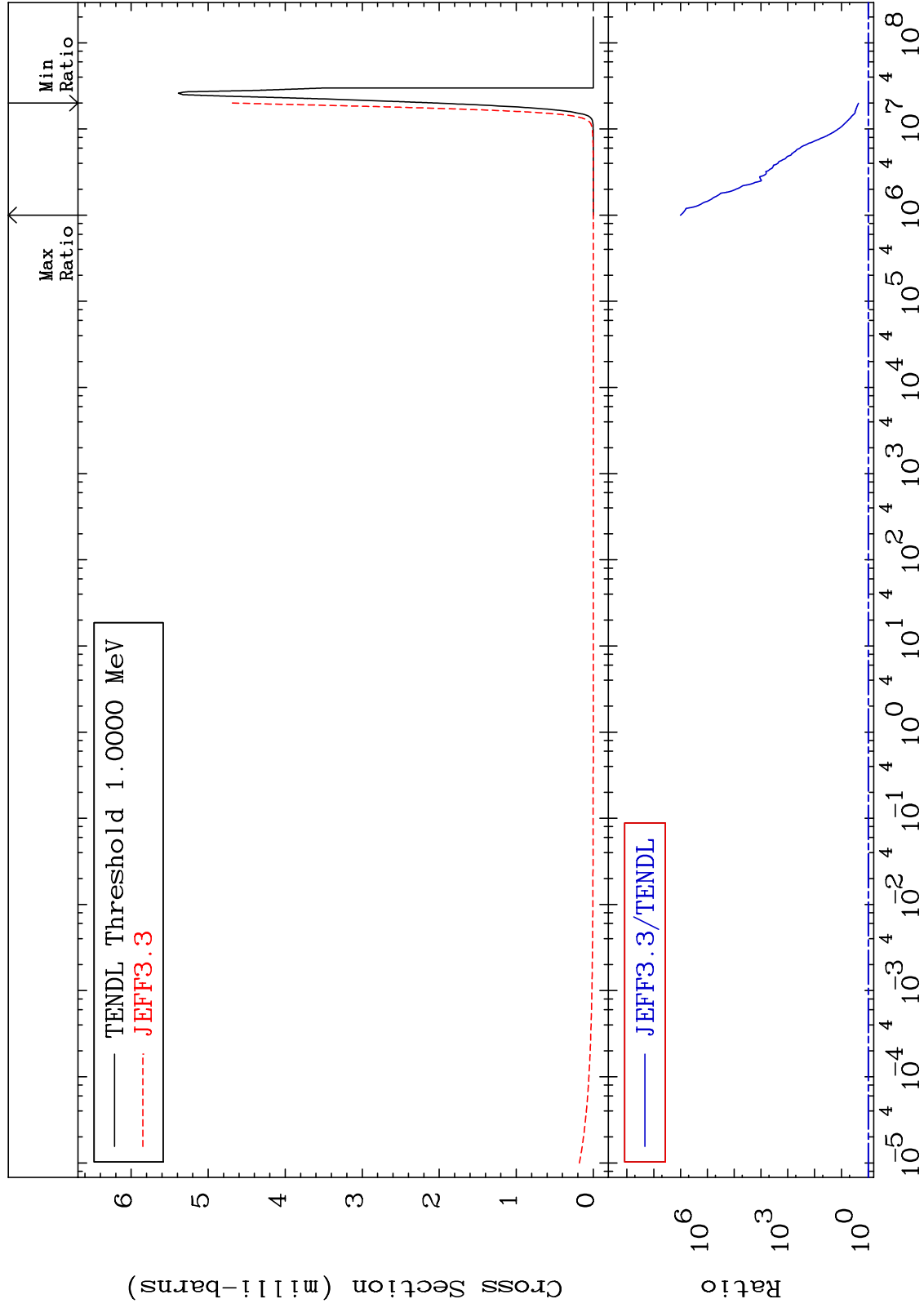
MAT 8237

(n, α)

82-Pb-208

Cross Section

130.0 To 9999. %



36

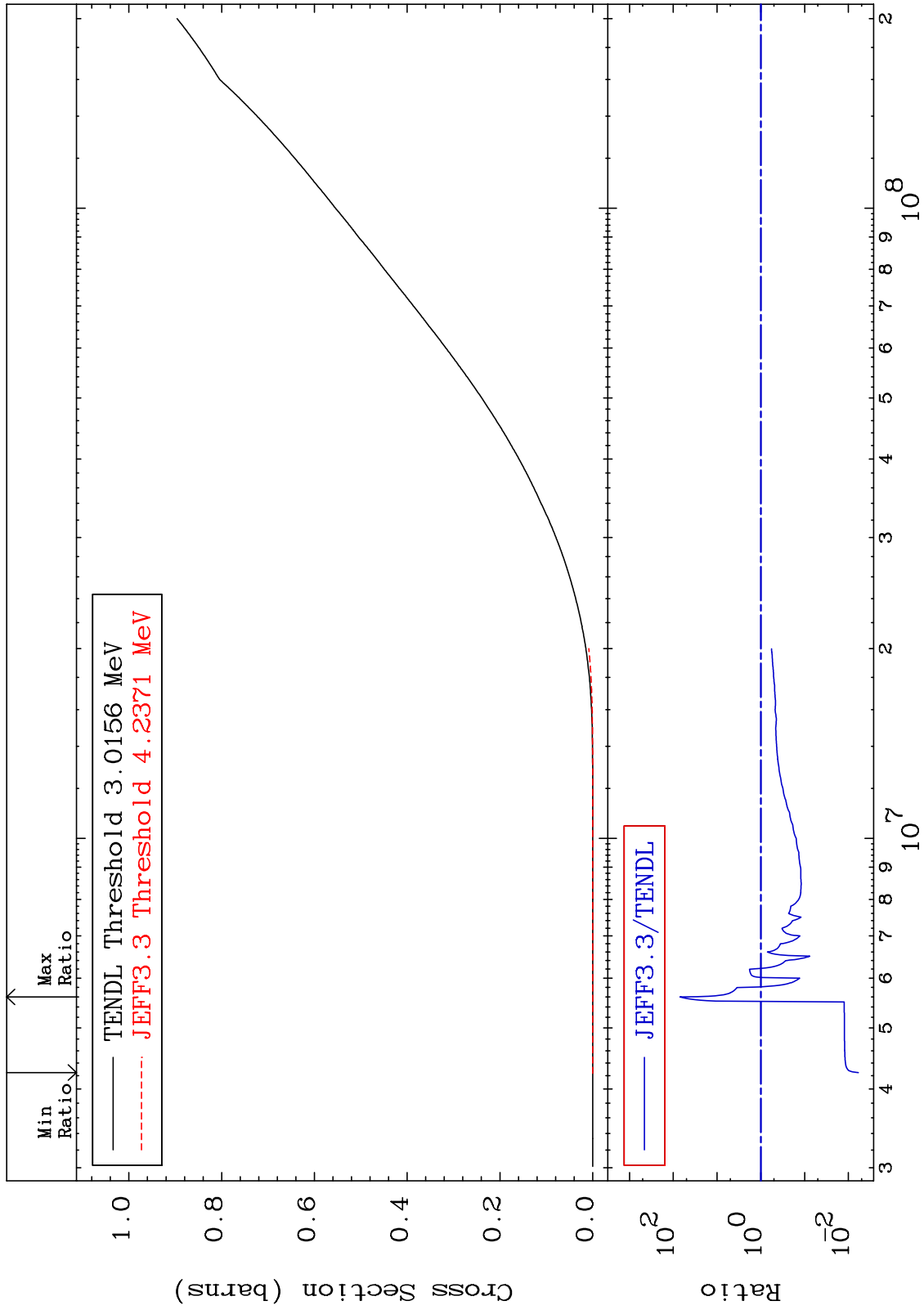
Incident Energy (eV)

82-Pb-208

MAT 8237

Hydrogen Production
Cross Section

82-Pb-208
-99.41 To 6910. %



37

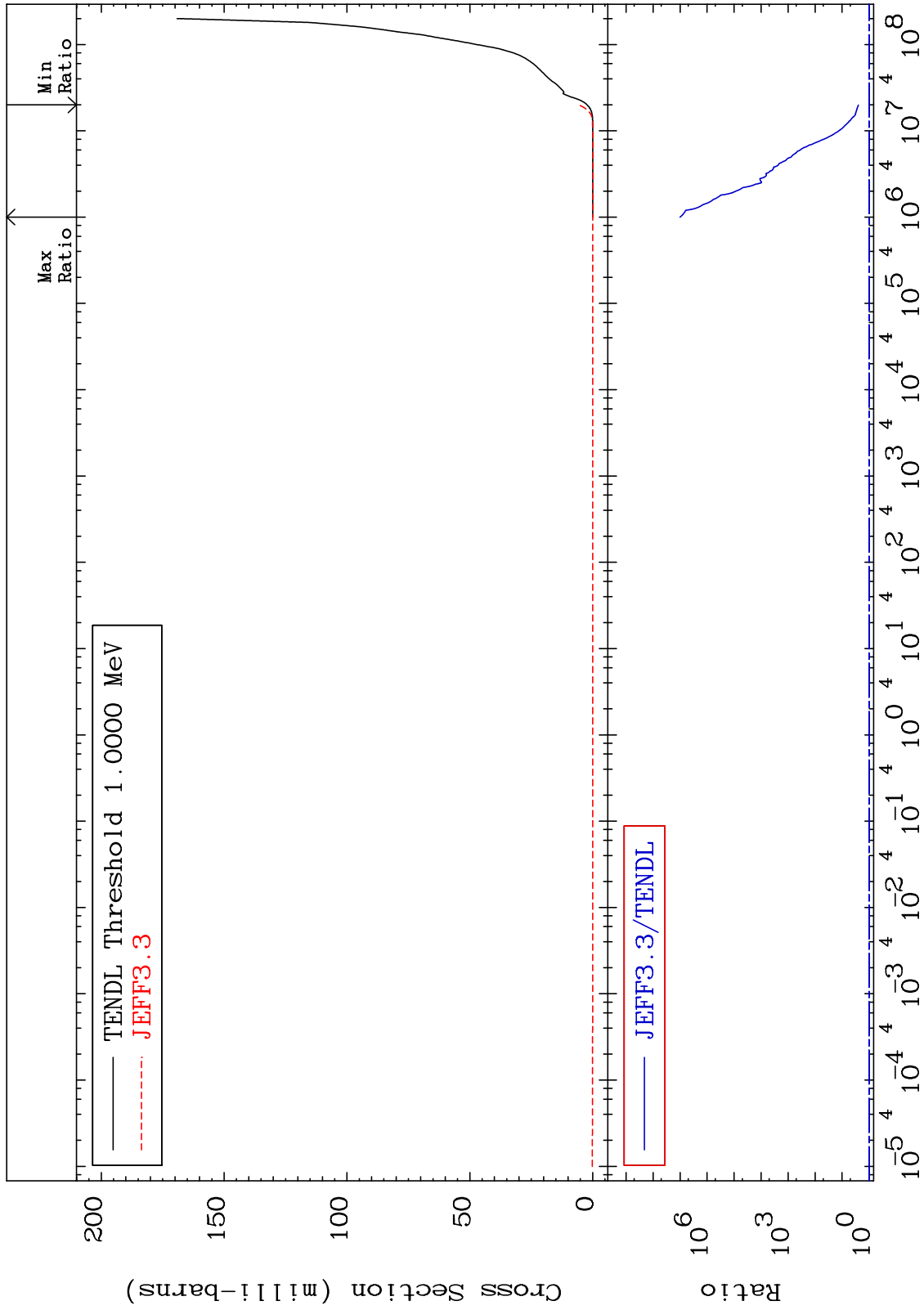
Incident Energy (eV)

82-Pb-208

MAT 8237

He-4 Production
Cross Section

82-Pb-208
148.5 To 9999. %



38

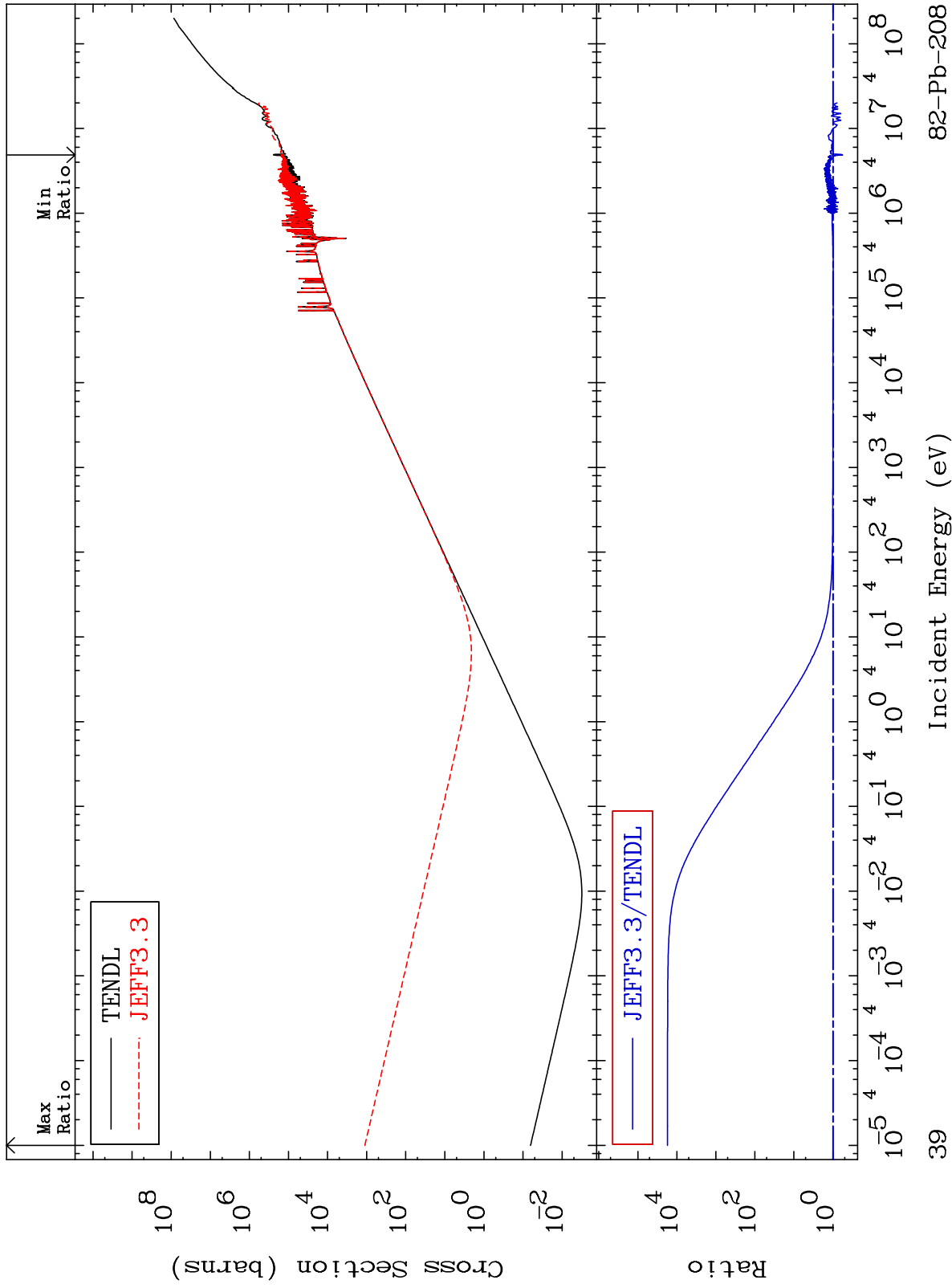
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma total (eV-barns)
Cross Section

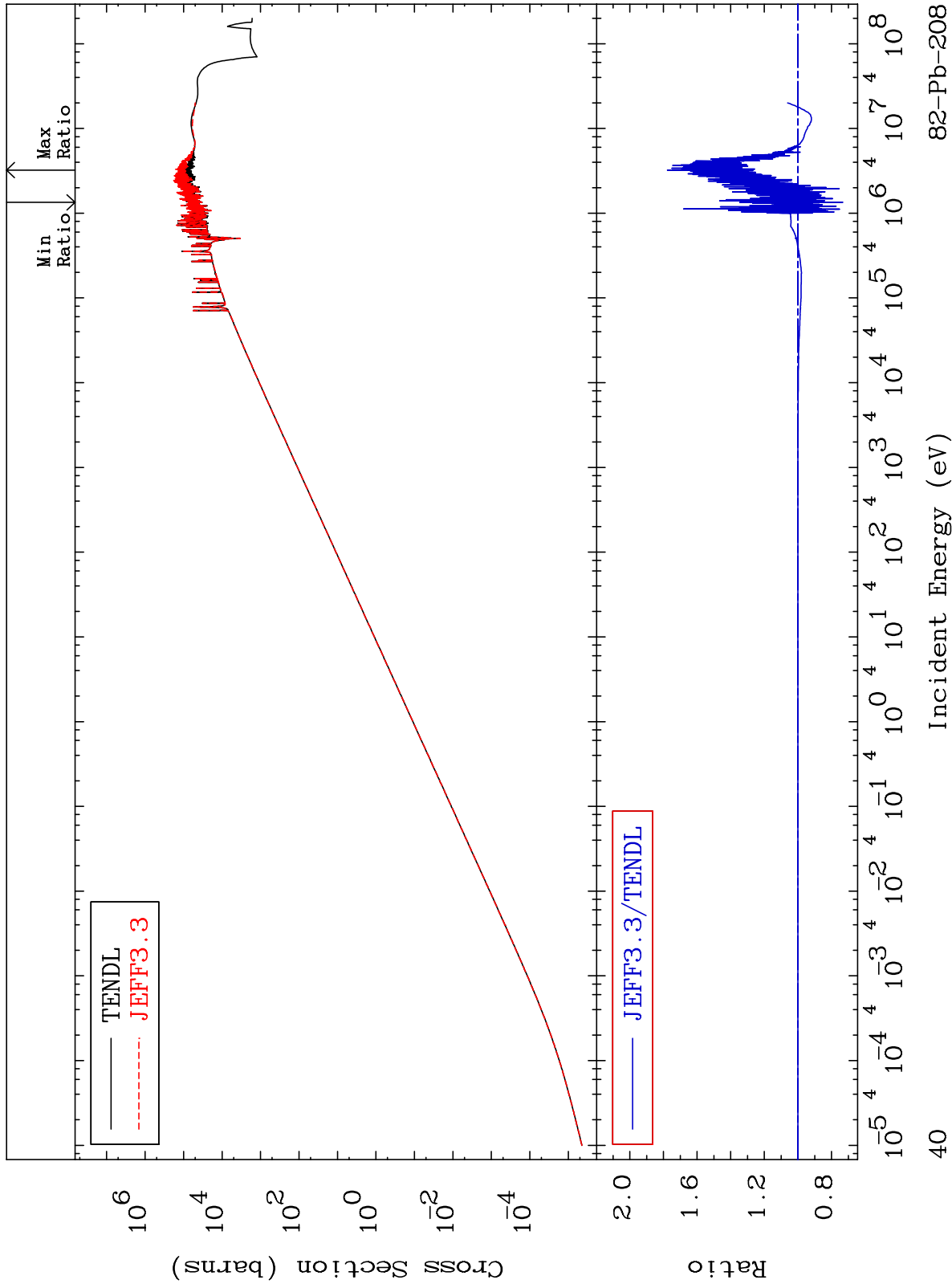
82-Pb-208
-43.74 To 9999. %



MAT 8237

Kerma elastic
Cross Section

82-Pb-208
-26.64 To 77.57 %



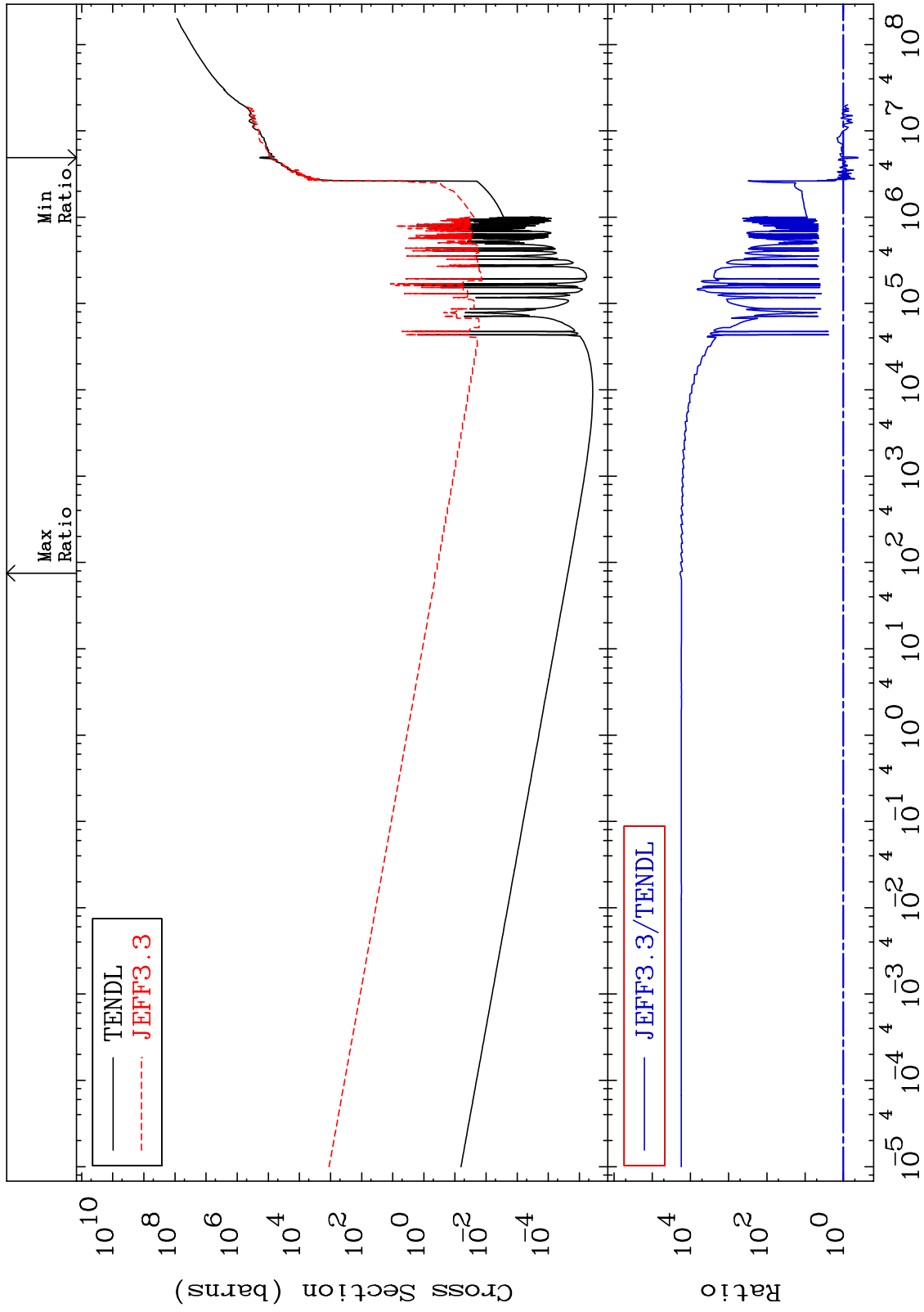
40

82-Pb-208

MAT 8237

Kerma non-elastic (all but mt2)
Cross Section

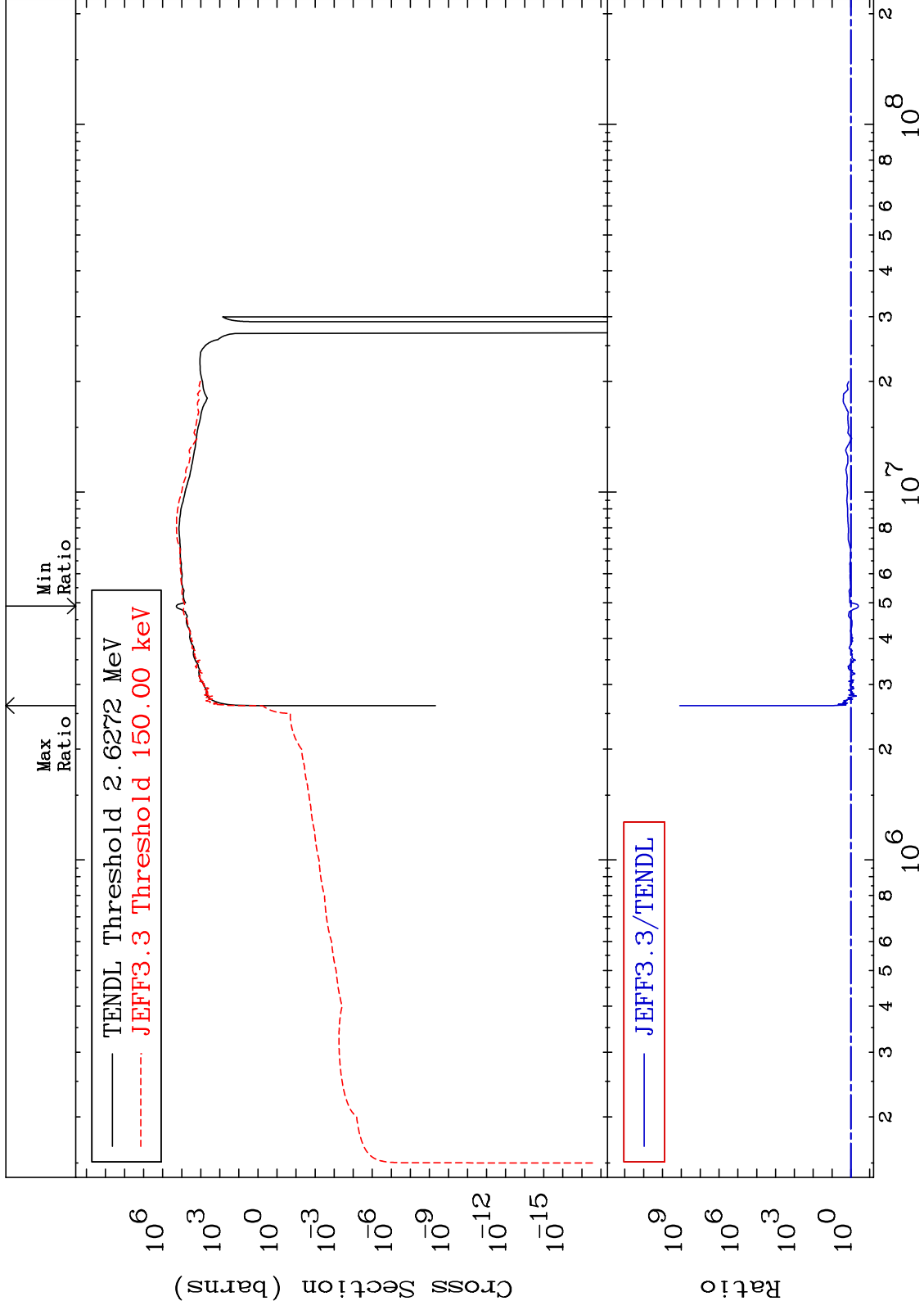
82-Pb-208
-59.77 To 9999. %



MAT 8237

Kerma inelastic (mt51-91)
Cross Section

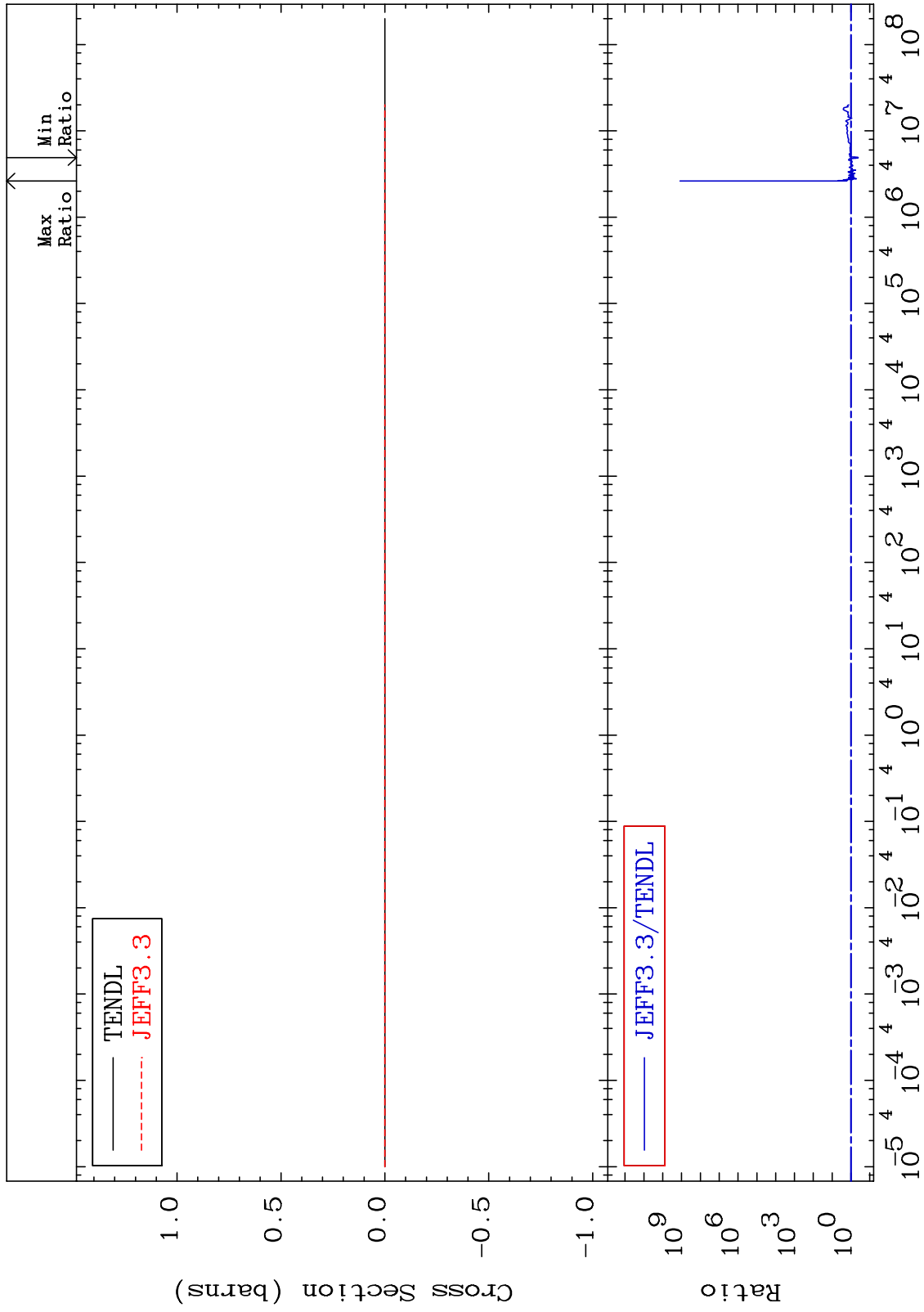
82-Pb-208
-59.77 To 9999. %



MAT 8237

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

82-Pb-208
-59.77 To 9999. %



43

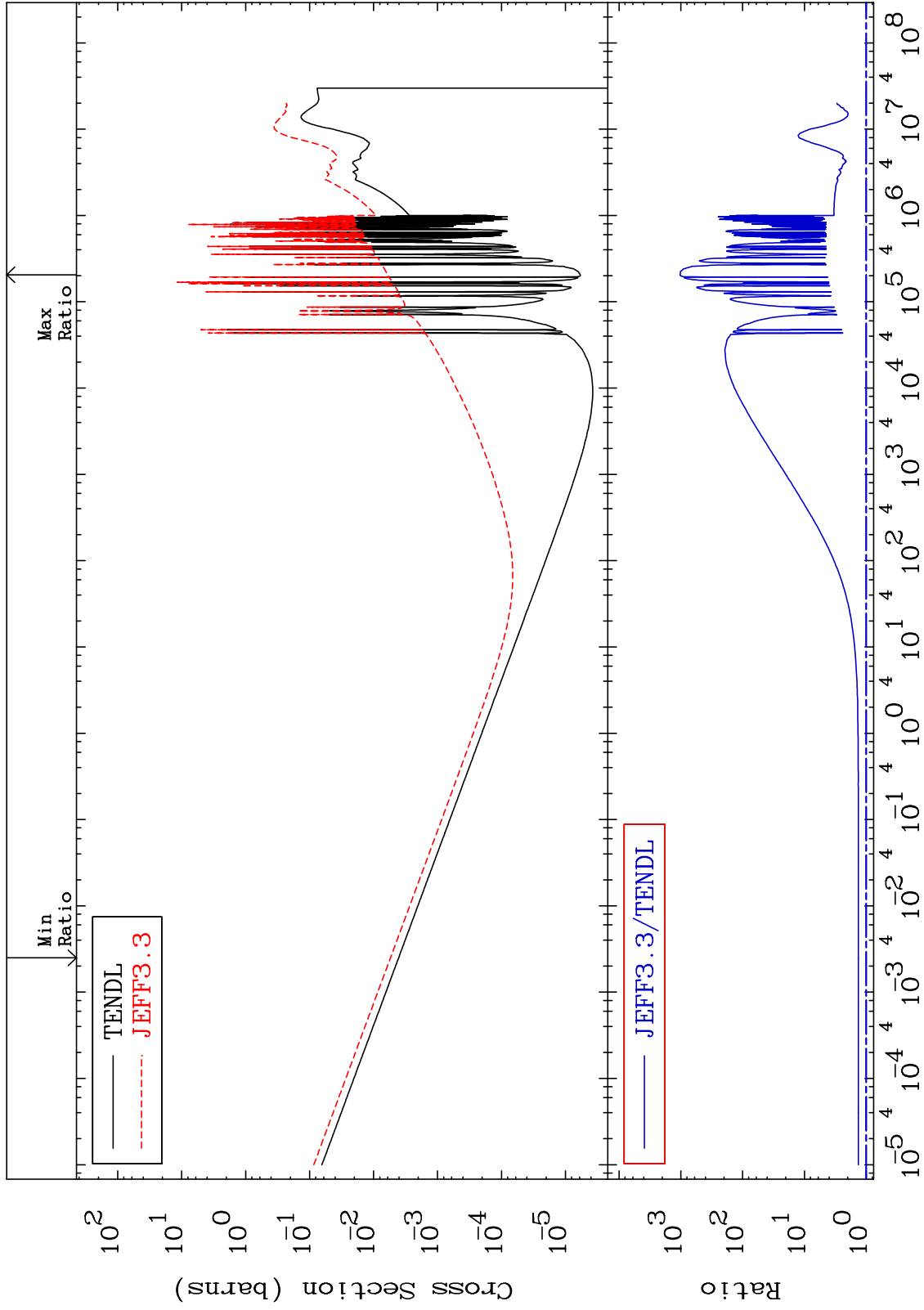
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma capture (mt102)
Cross Section

82-Pb-208
33.85 To 9999. %



44

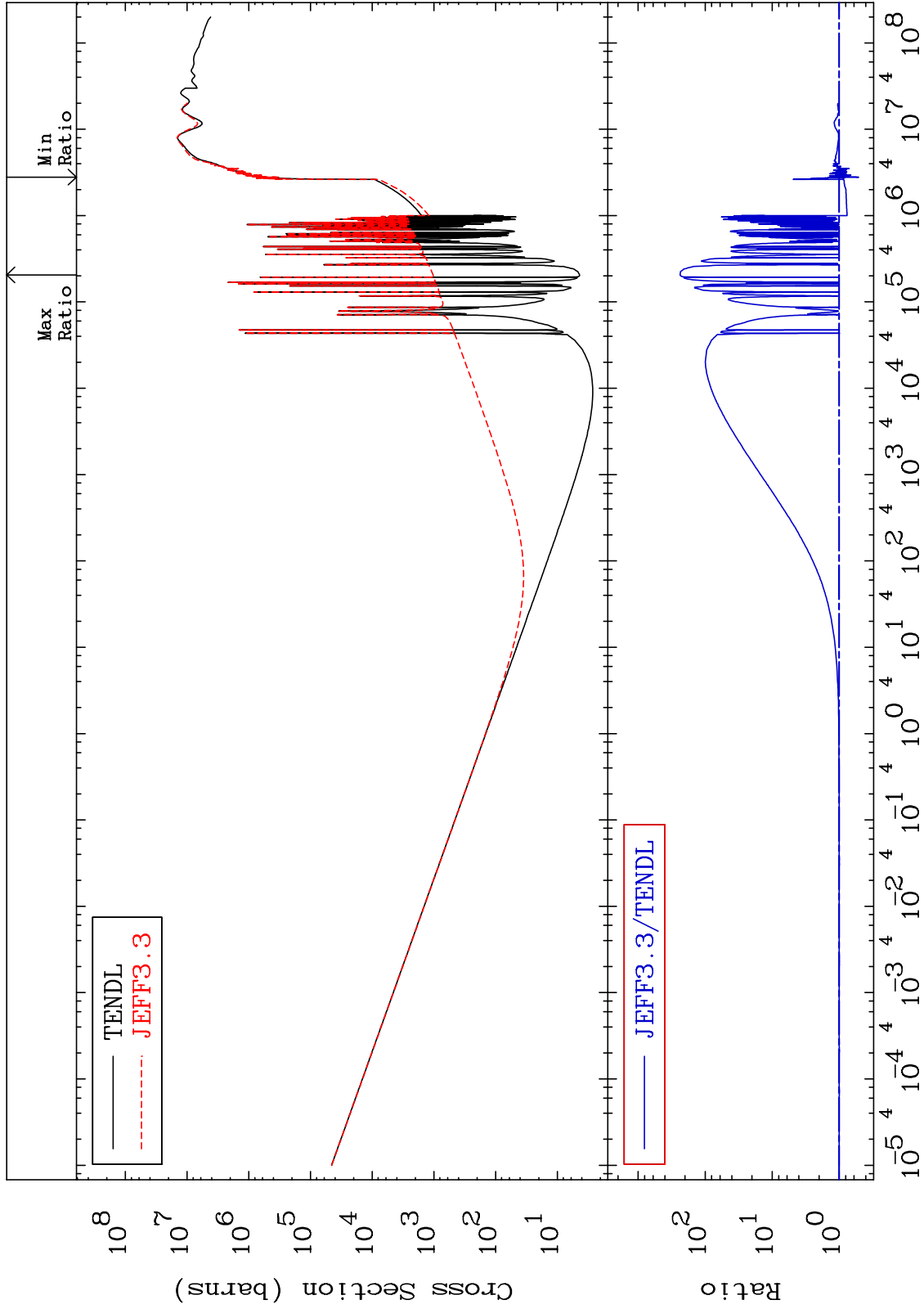
Incident Energy (eV)

82-Pb-208

MAT 8237

Total photon (eV-barns)
Cross Section

82-Pb-208
-48.39 To 9999. %



45

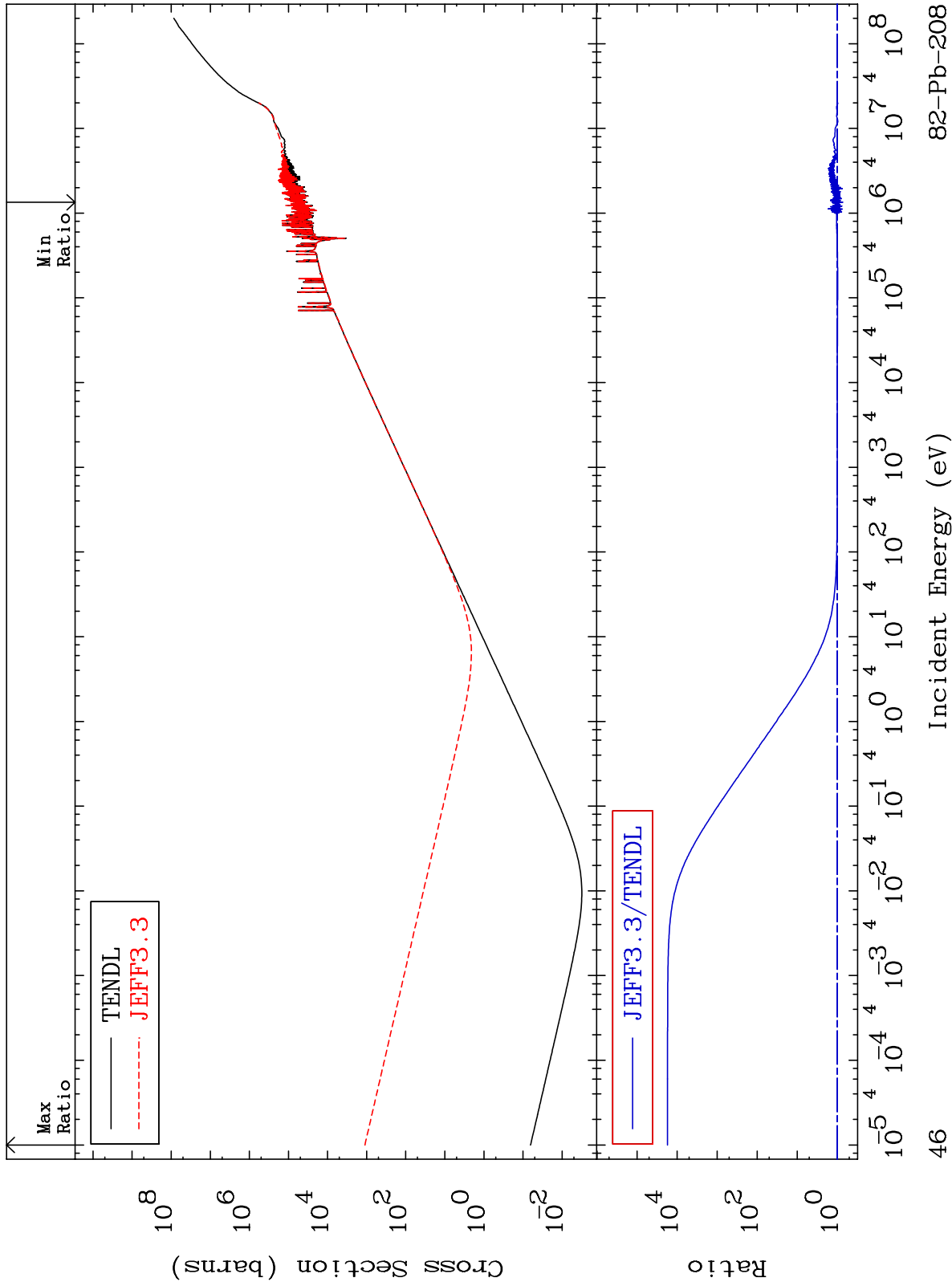
Incident Energy (eV)

82-Pb-208

MAT 8237

Total kinematic kerma (high limit)
Cross Section

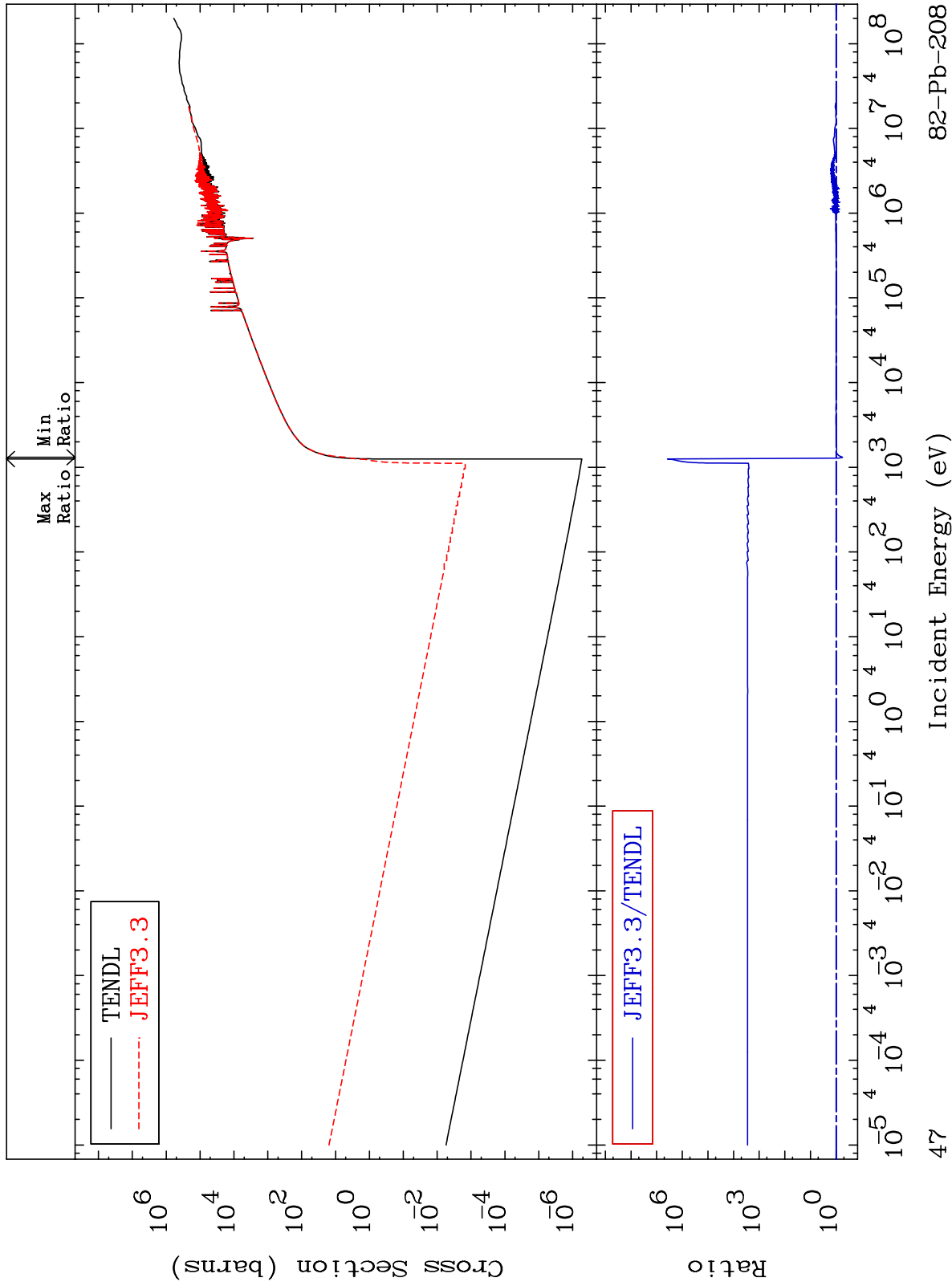
82-Pb-208
-26.64 To 9999. %



MAT 8237

Dpa total (eV-barns)
Cross Section

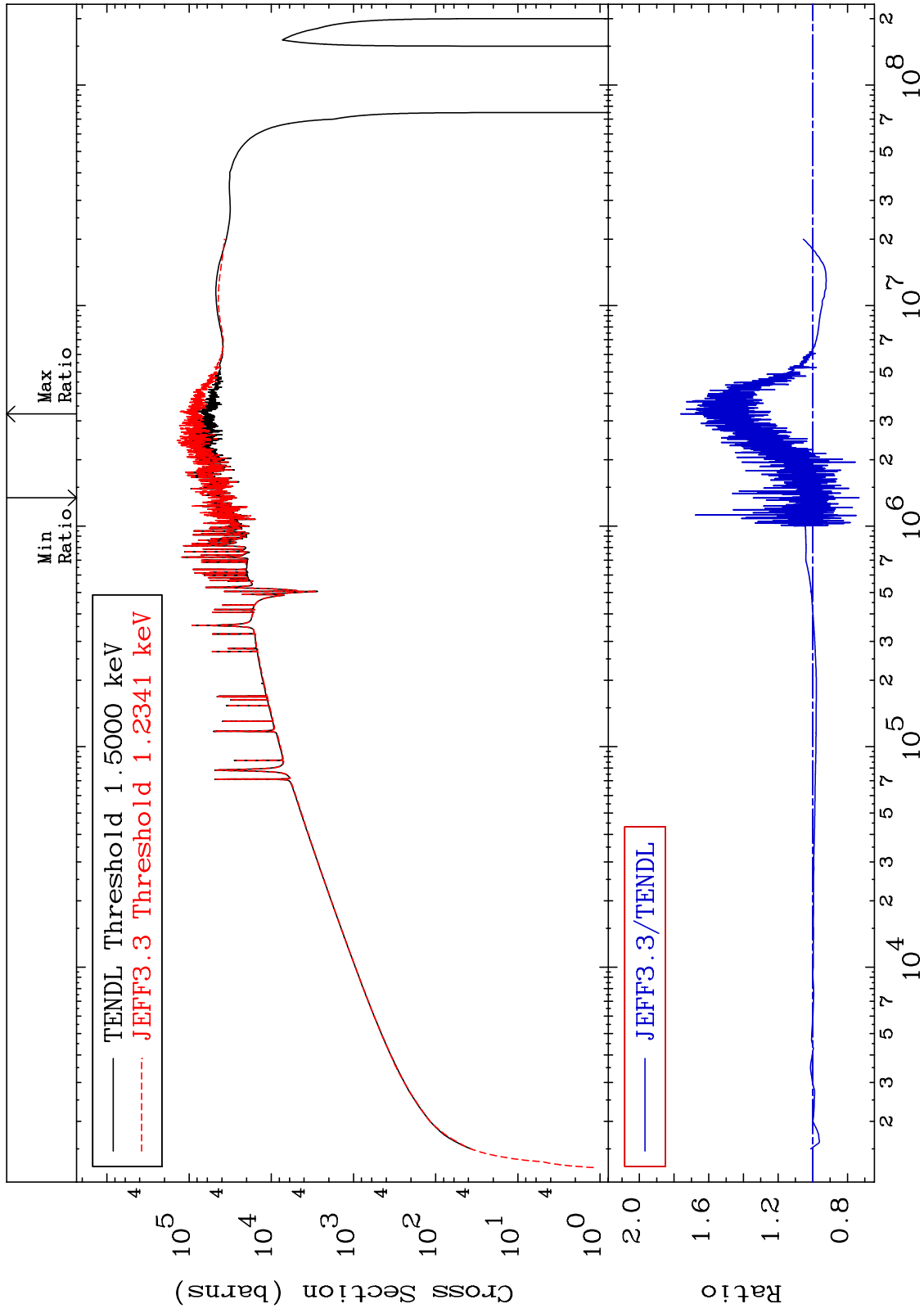
82-Pb-208
-44.37 To 9999. %



MAT 8237

Dpa elastic (mt2)
Cross Section

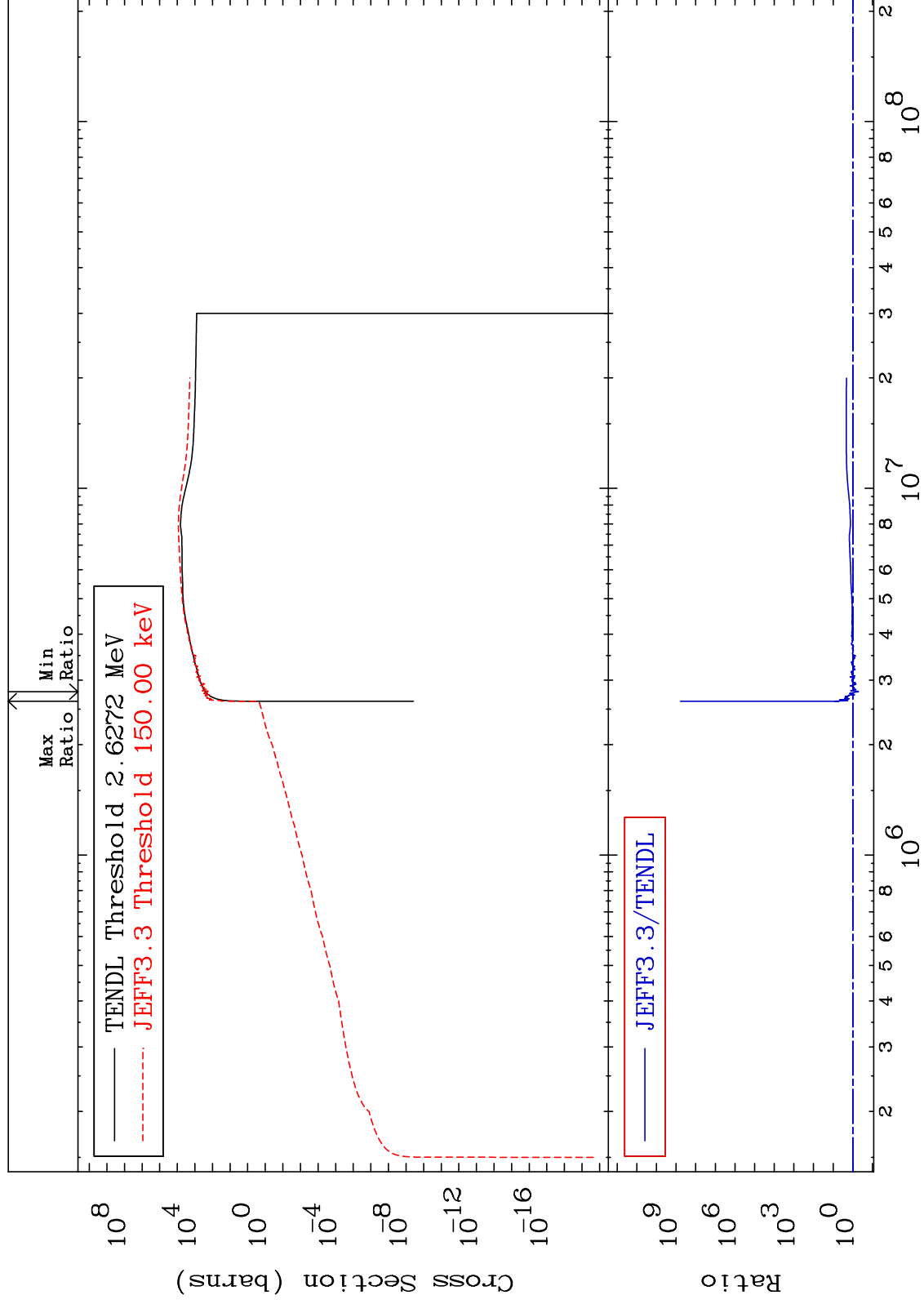
82-Pb-208
-26.74 To 76.20 %



MAT 8237

Dpa inelastic (mt51-91)
Cross Section

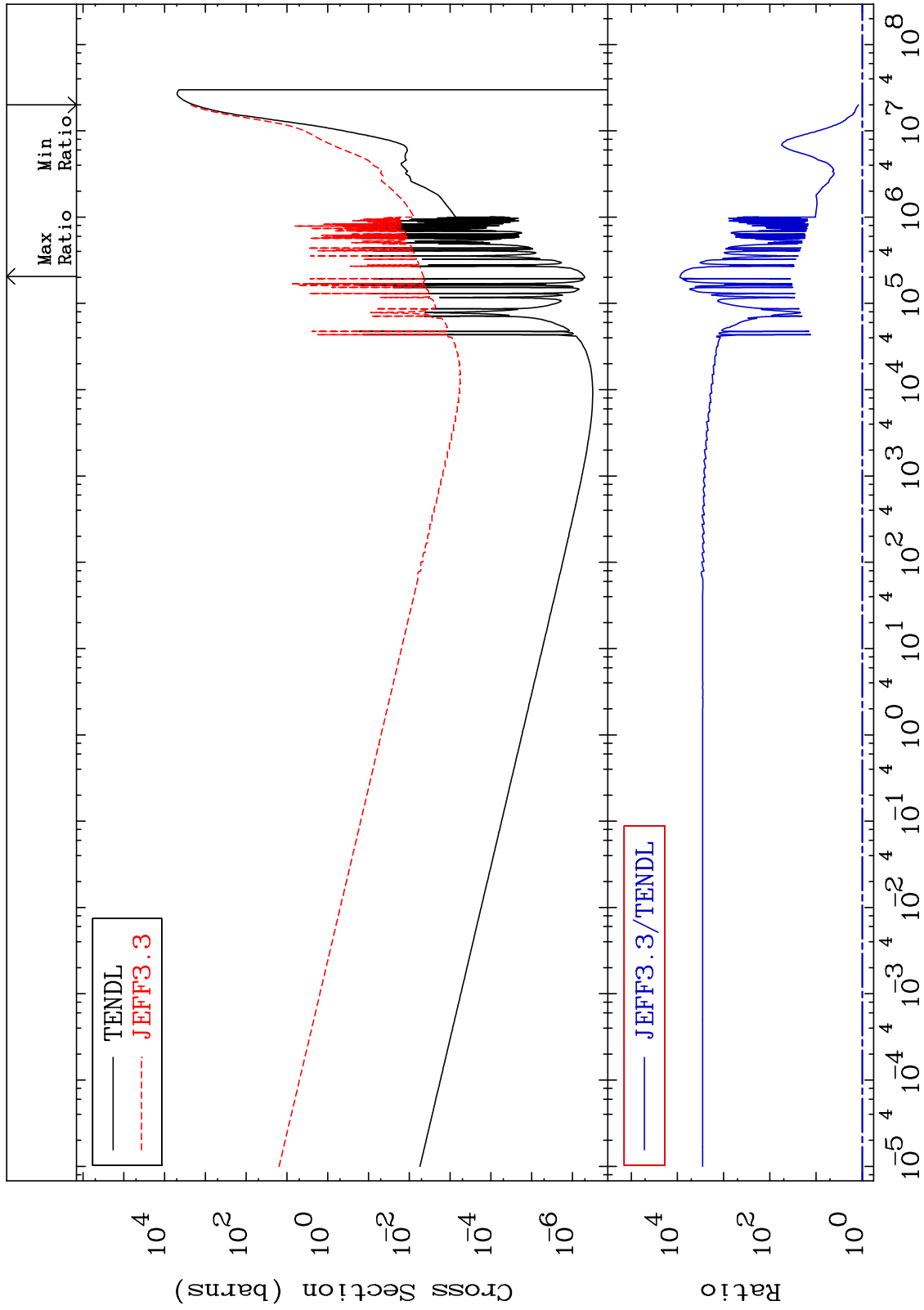
82-Pb-208
-48.98 To 9999. %



MAT 8237

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-208
20.96 To 9999. %



50

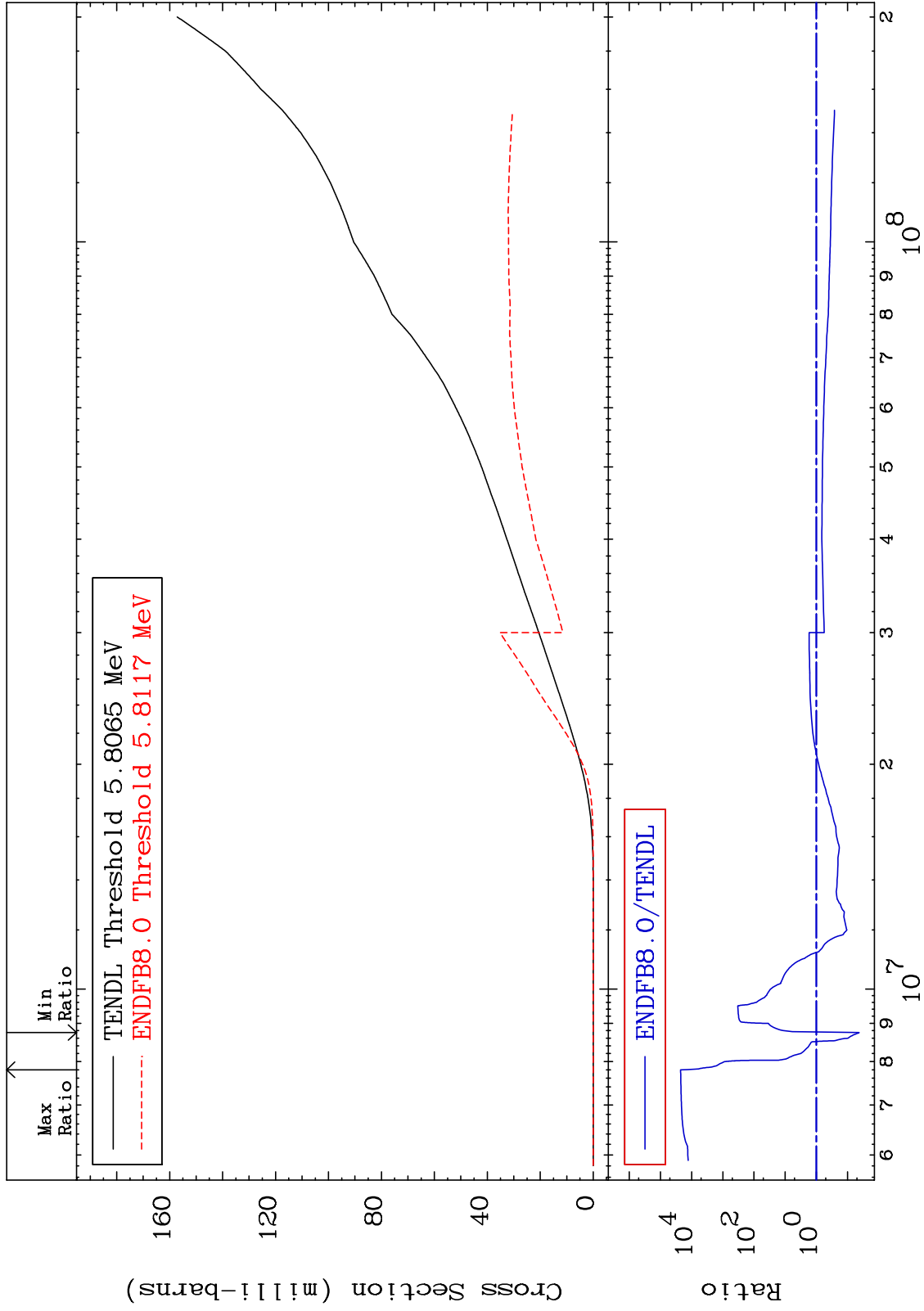
Incident Energy (eV)

82-Pb-208

MAT 8237

Deuterium Production
Cross Section

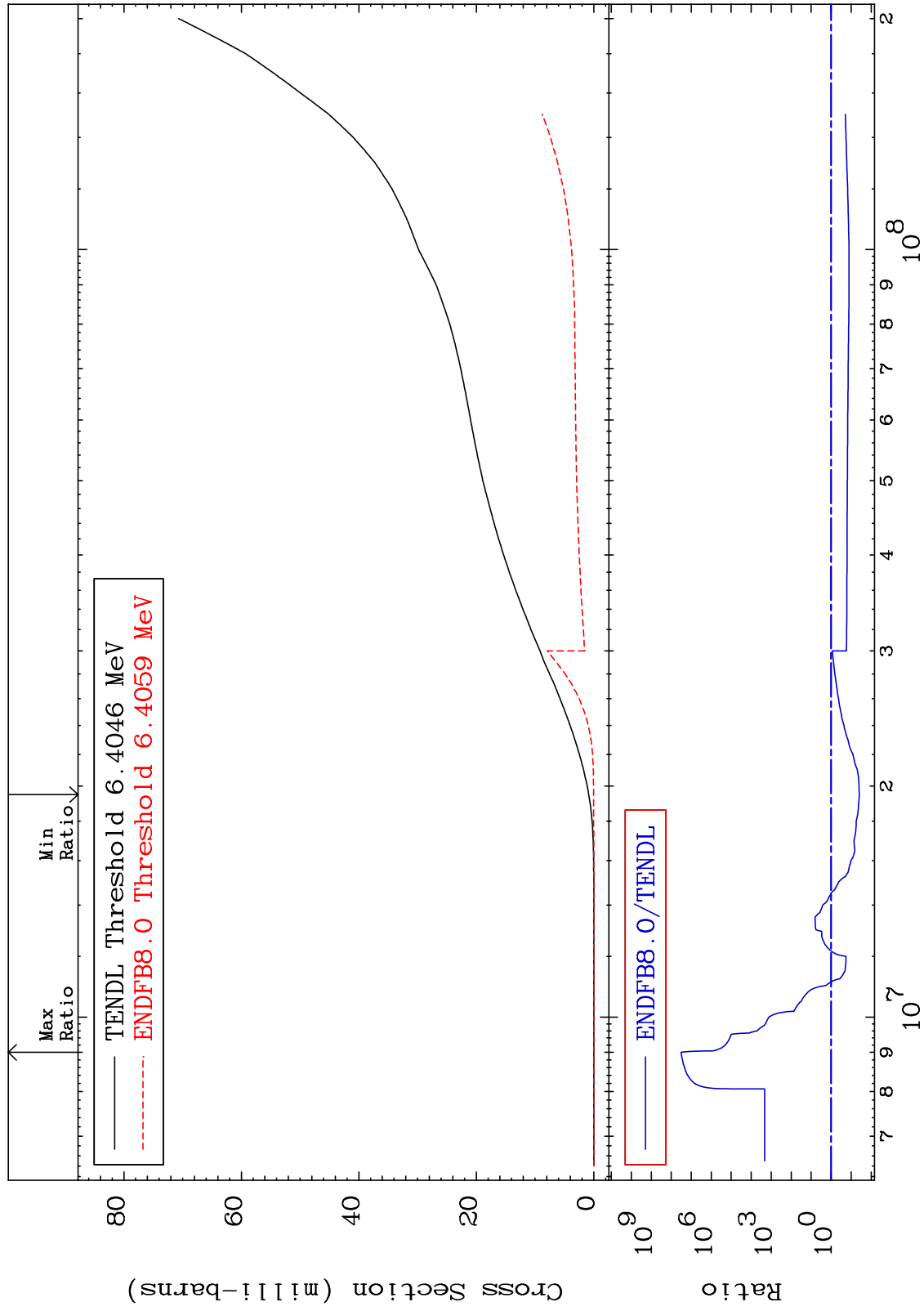
82-Pb-208
-95.78 To 9999. %



MAT 8237

Tritium Production
Cross Section

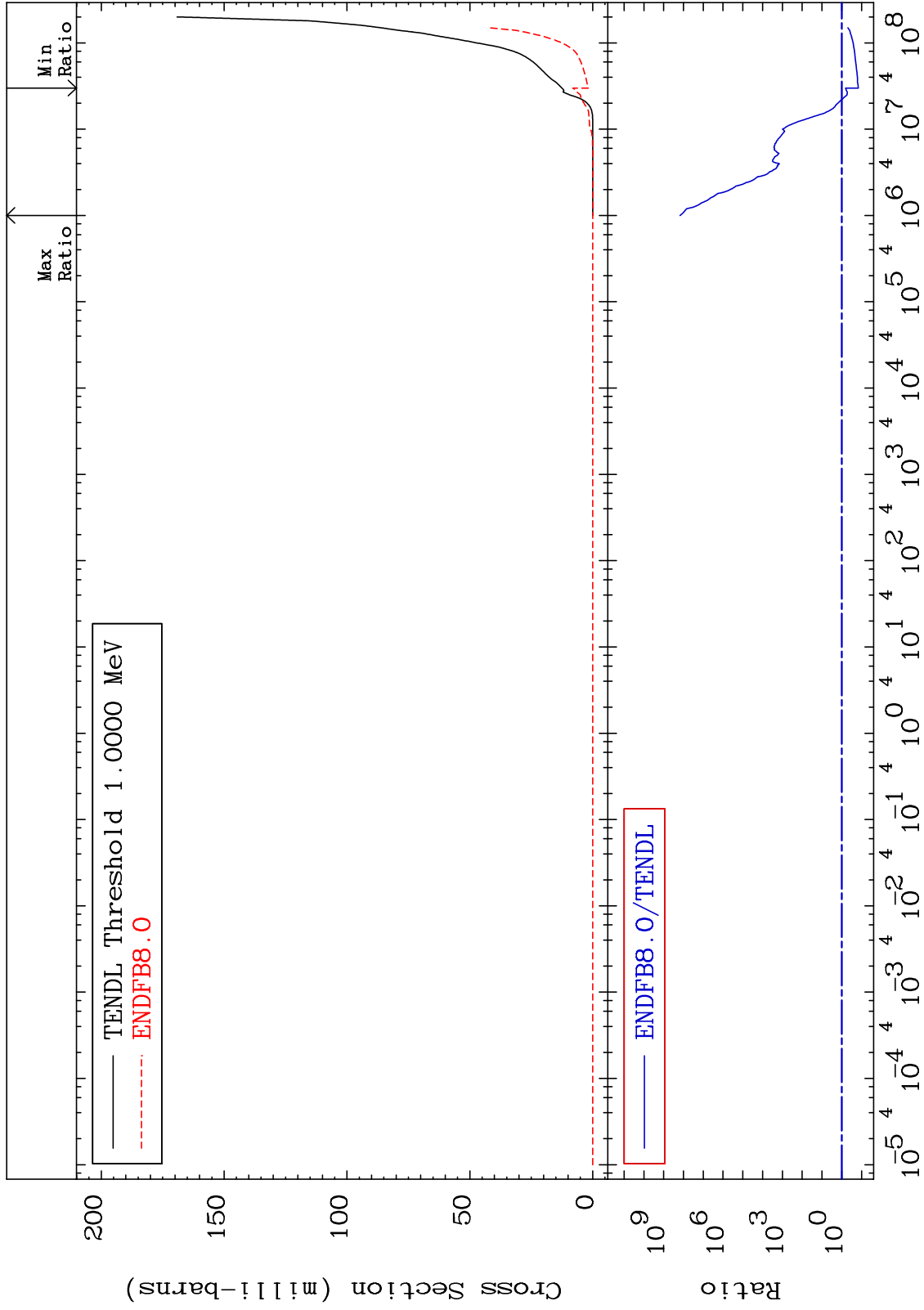
82-Pb-208
-96.09 To 9999. %



MAT 8237

He-4 Production
Cross Section

82-Pb-208
-85.61 To 9999. %



53

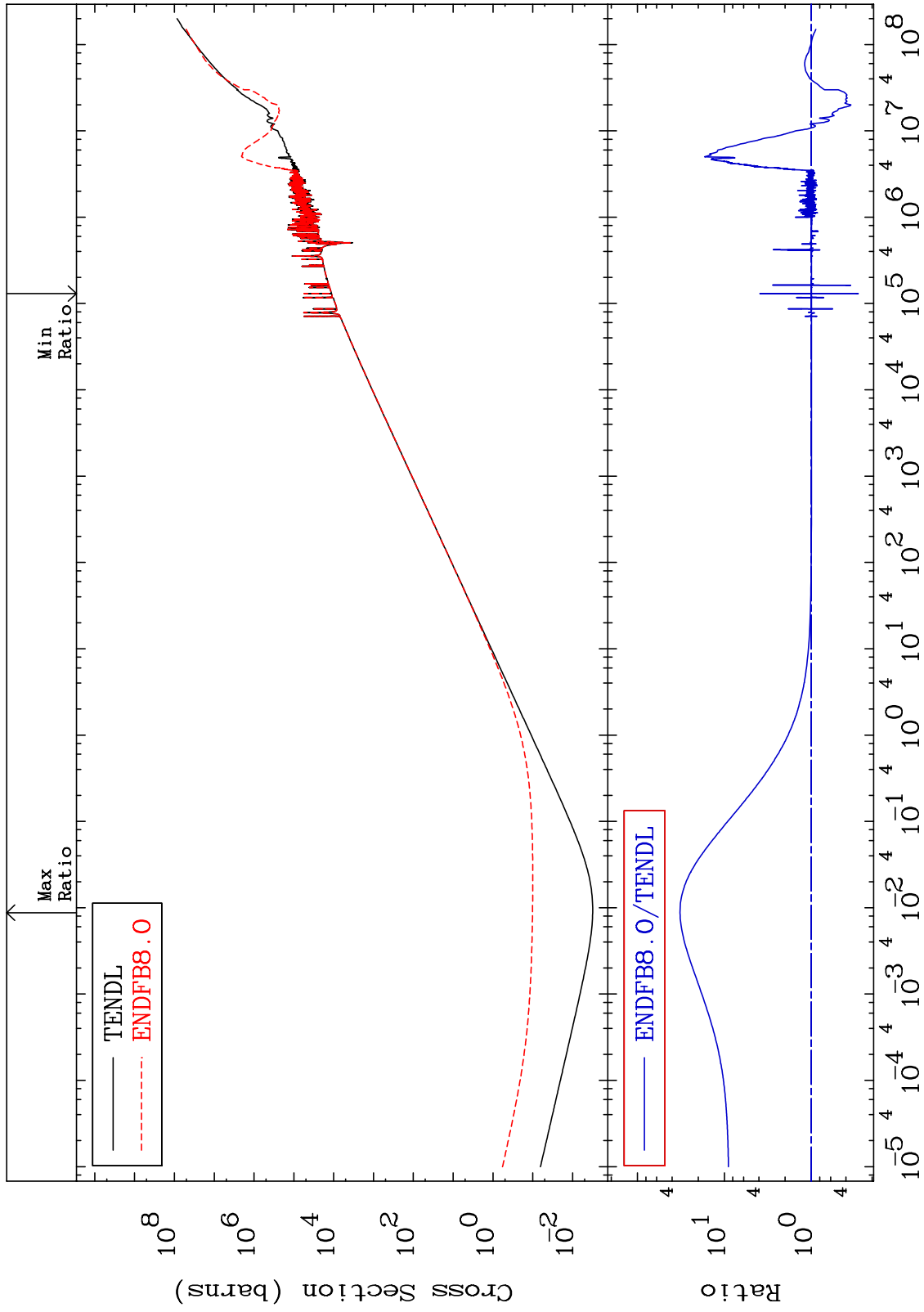
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma total (eV-barns)
Cross Section

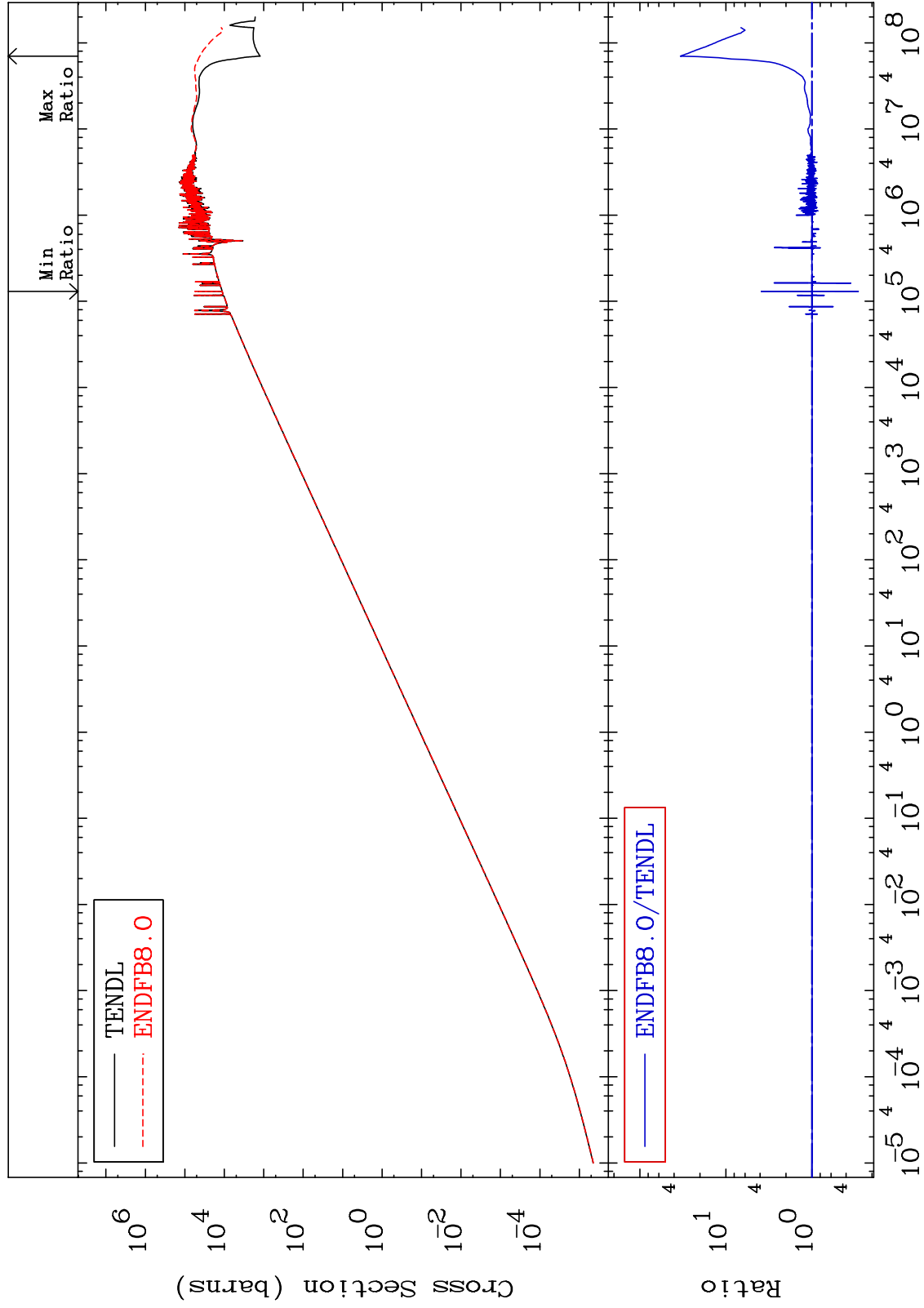
82-Pb-208
-71.28 To 3136. %



MAT 8237

Kerma elastic
Cross Section

82-Pb-208
-71.31 To 3273. %



55

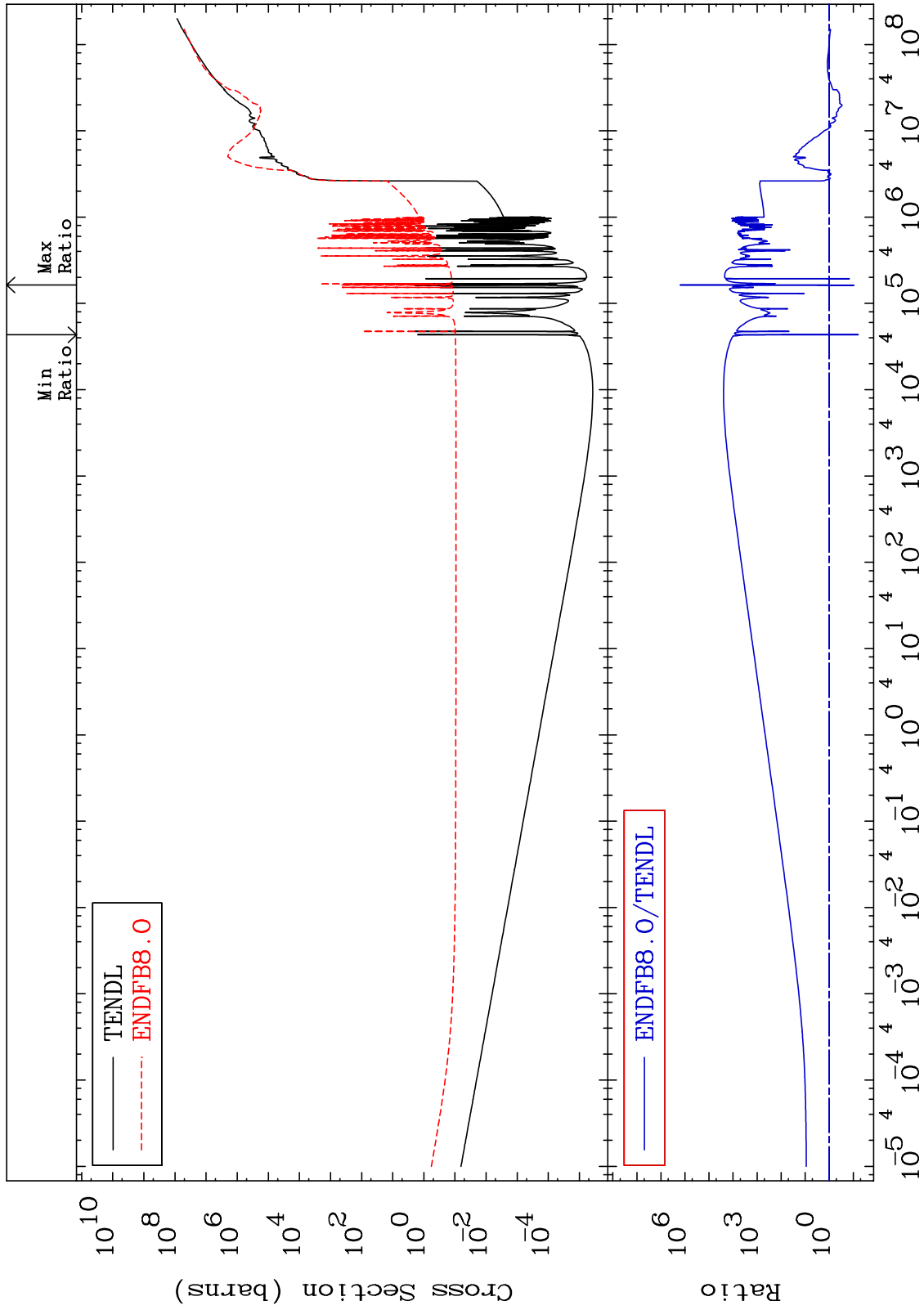
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma non-elastic (all but mt2)
Cross Section

82-Pb-208
-93.90 To 9999. %



56

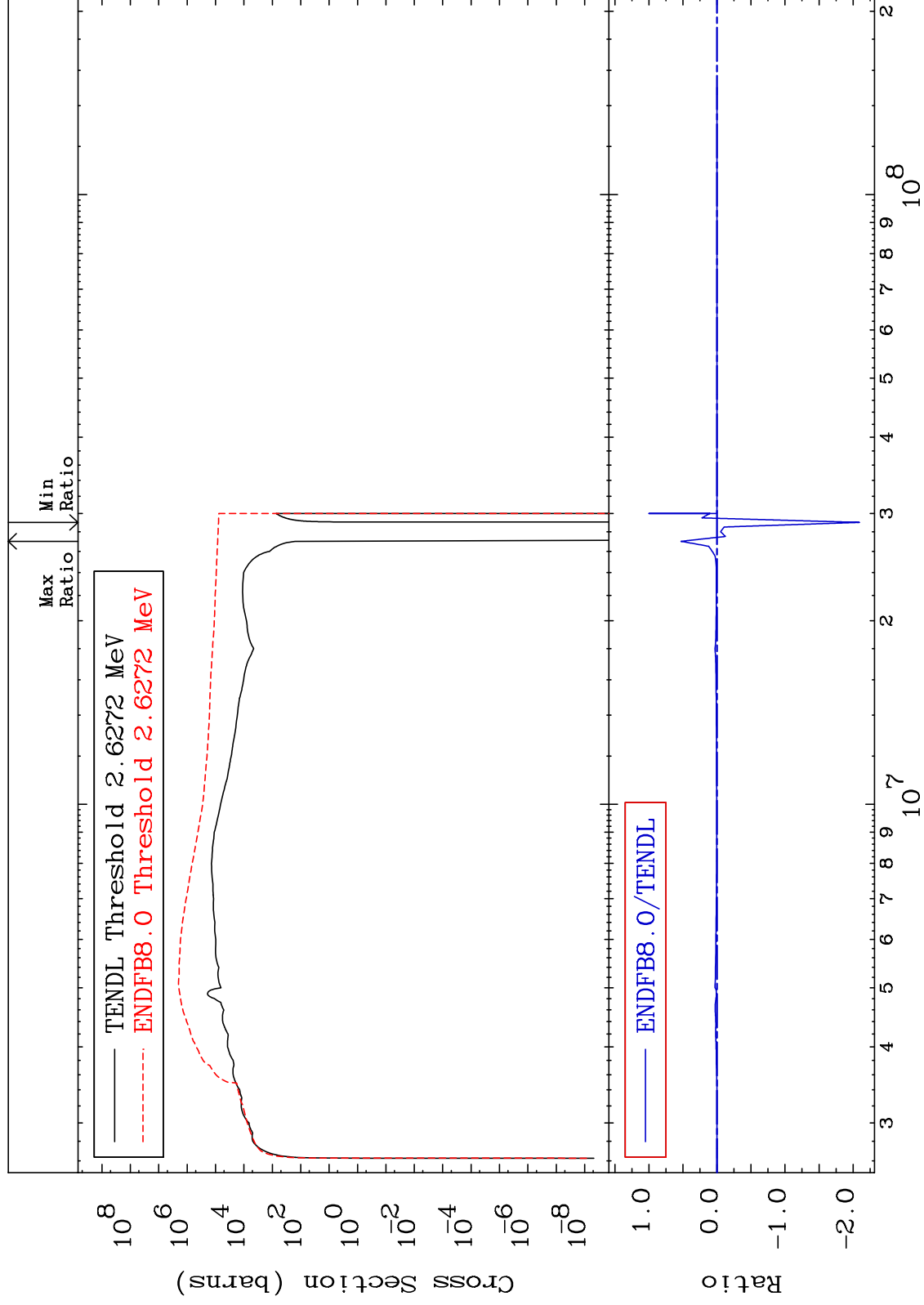
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma inelastic (mt51-91)
Cross Section

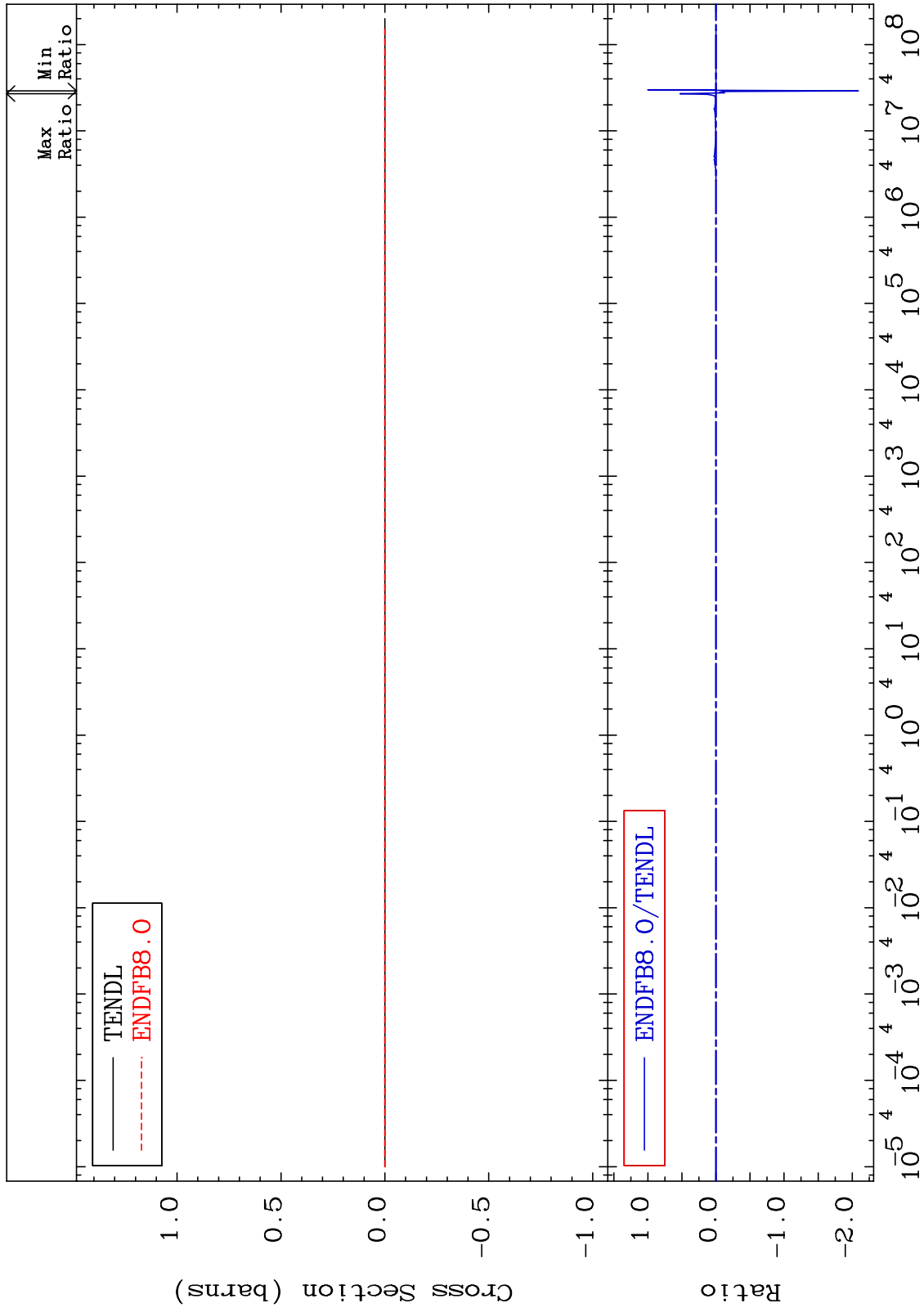
82-Pb-208
-9999. To 9999. %



MAT 8237

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

82-Pb-208
-9999. To 9999. %



58

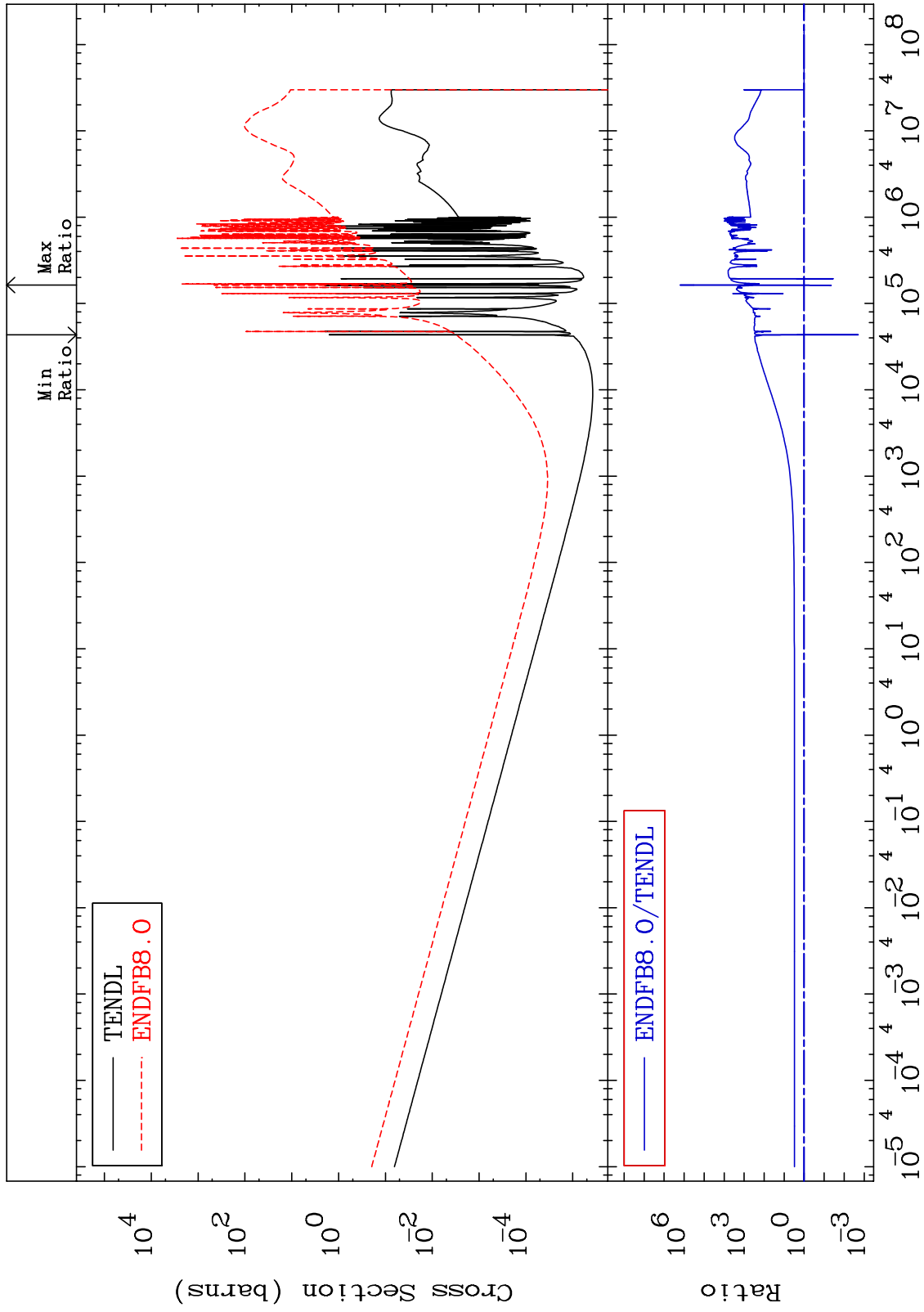
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma capture (mt102)
Cross Section

82-Pb-208
-99.81 To 9999. %



59

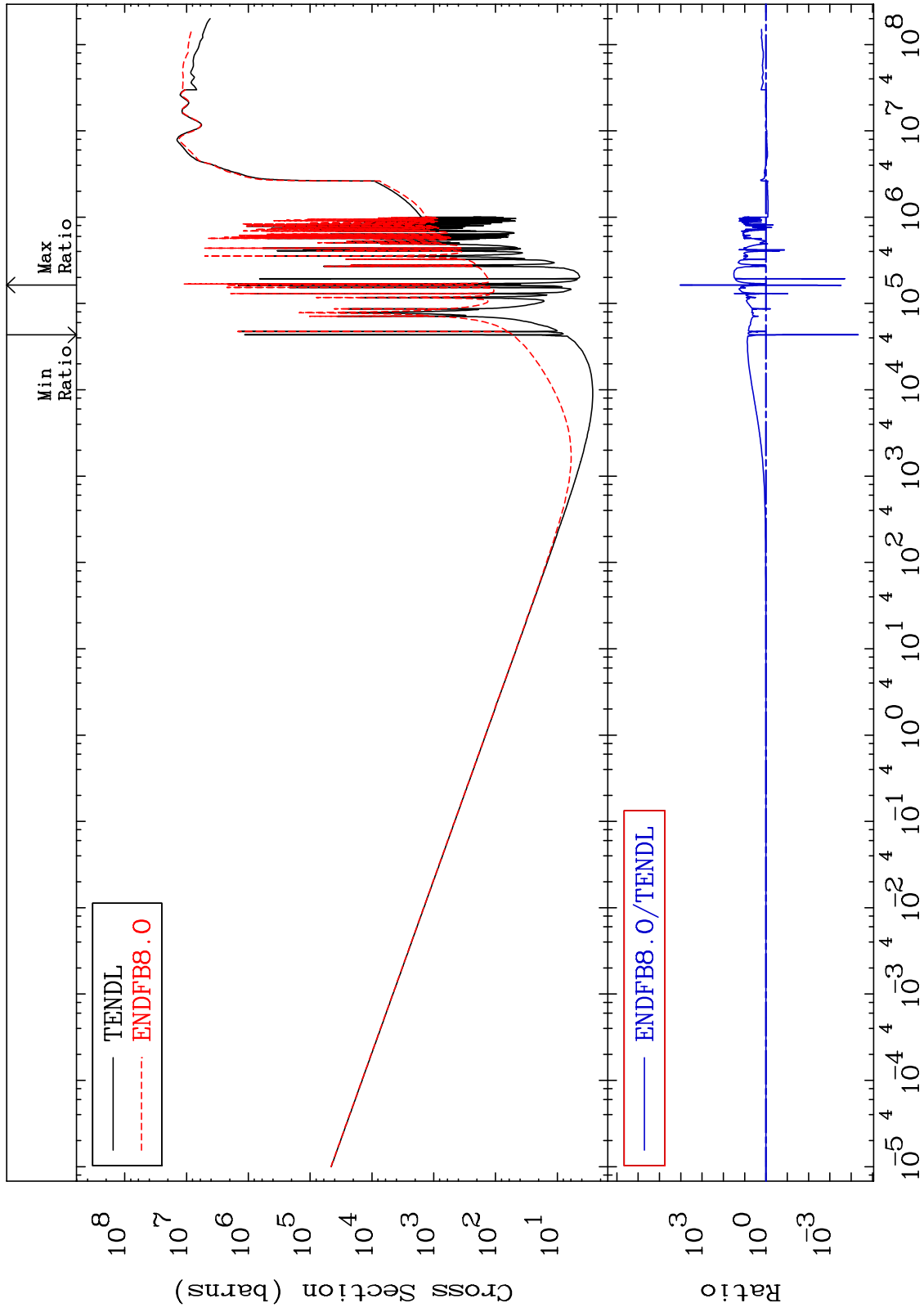
Incident Energy (eV)

82-Pb-208

MAT 8237

Total photon (eV-barns)
Cross Section

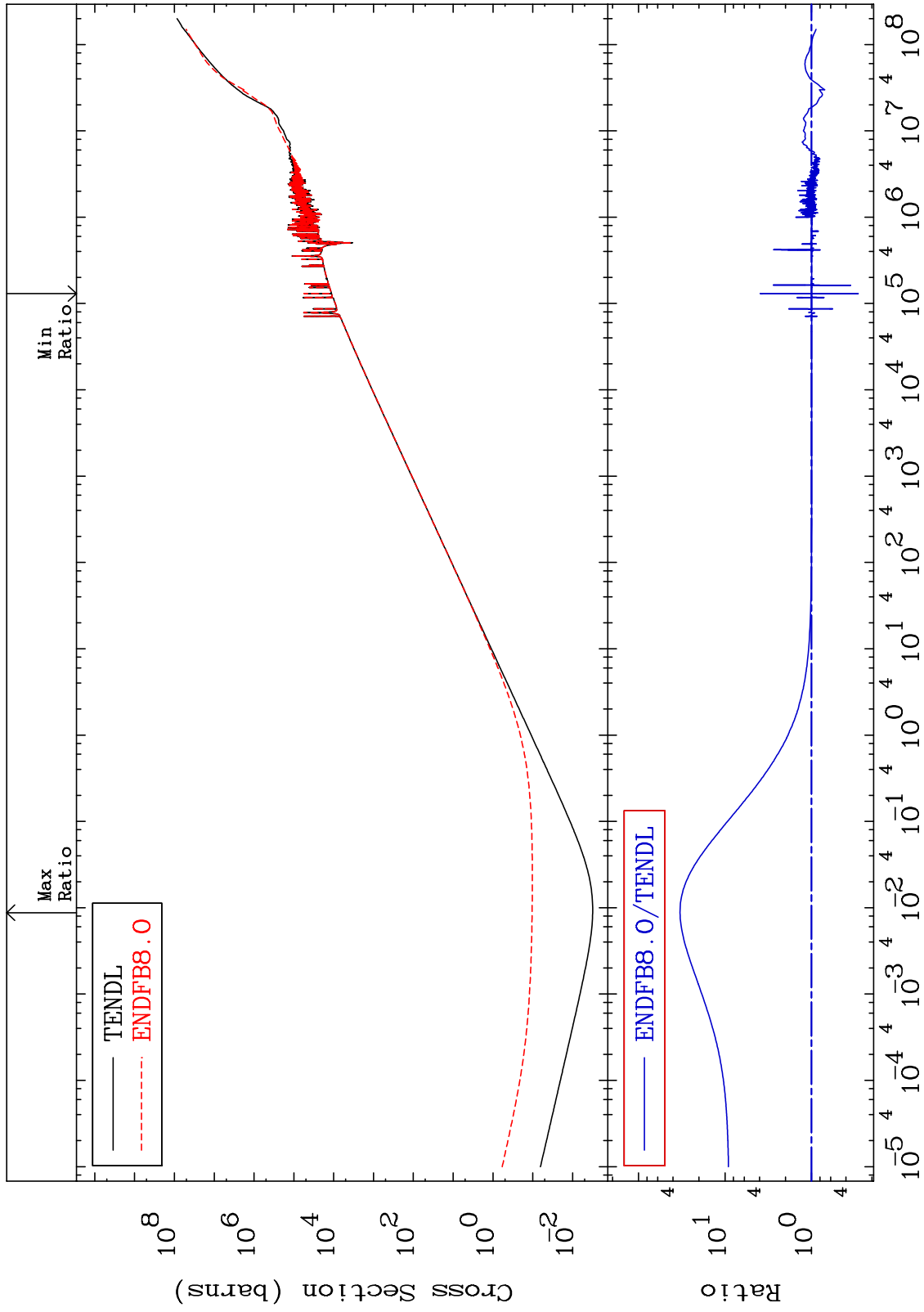
82-Pb-208
-100.0 To 9999. %



MAT 8237

Total kinematic kerma (high limit)
Cross Section

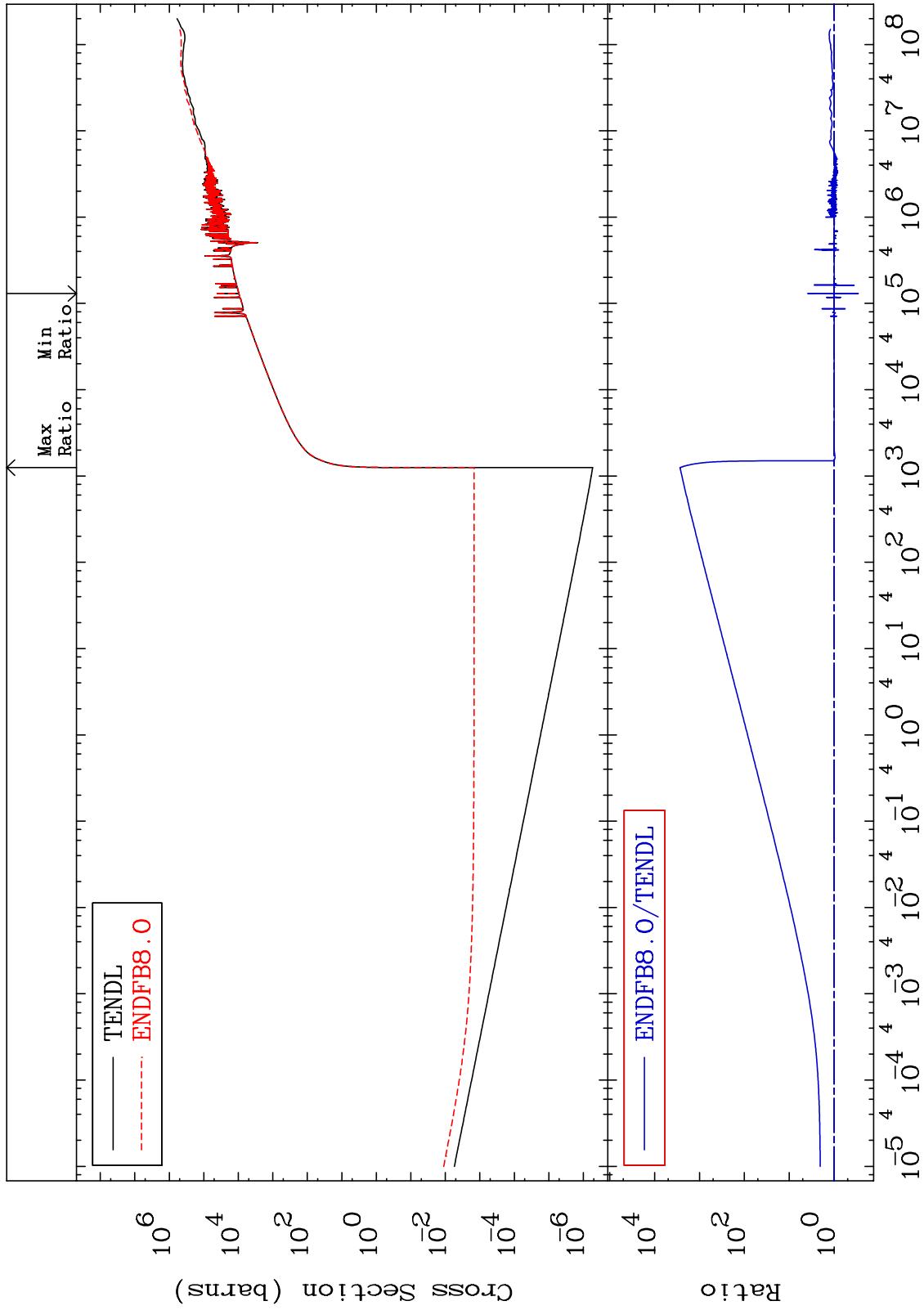
82-Pb-208
-71.28 To 3218. %



MAT 8237

Dpa total (eV-barns)
Cross Section

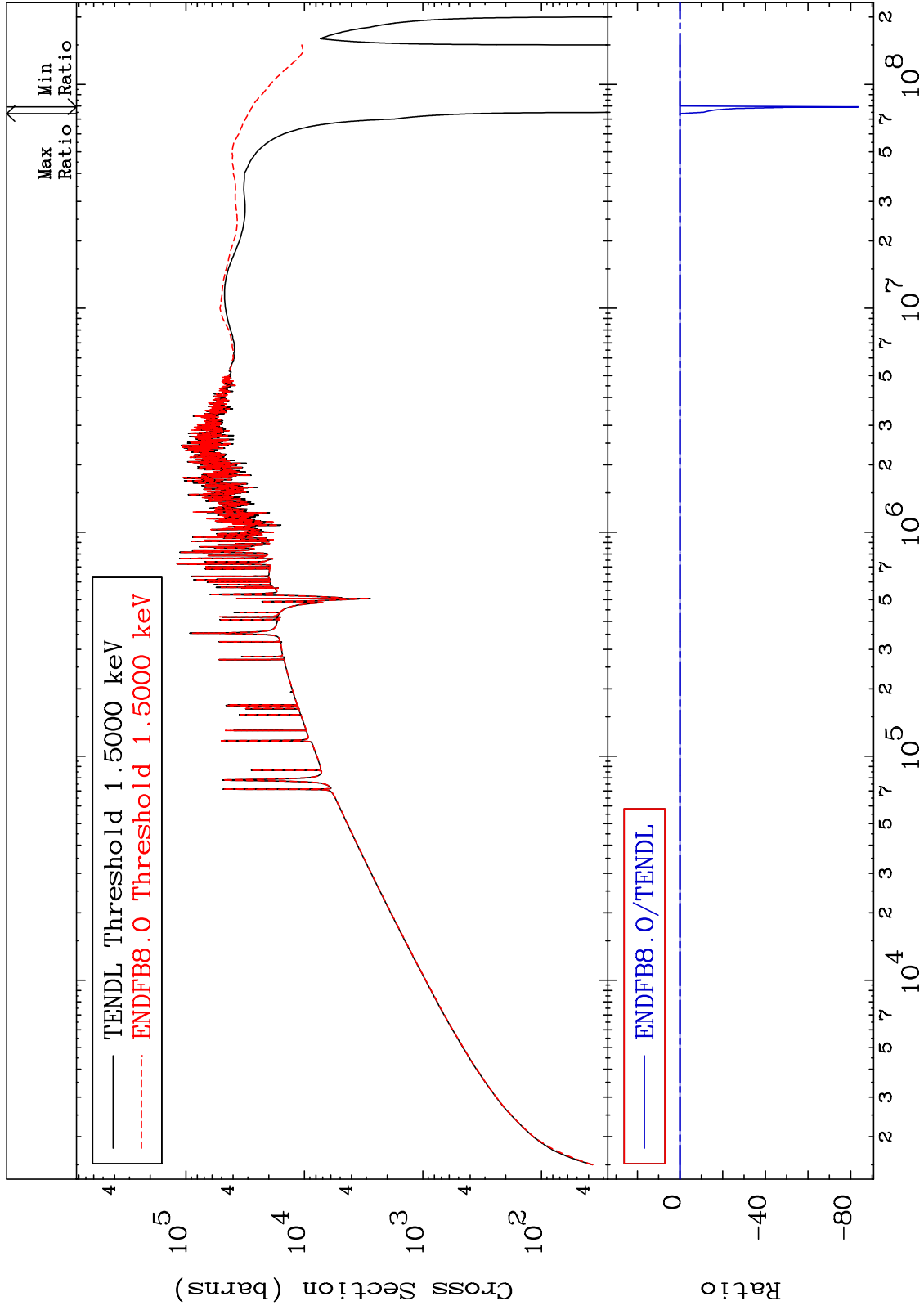
82-Pb-208
-71.31 To 9999. %



MAT 8237

Dpa elastic (mt2)
Cross Section

82-Pb-208
-9999. To 8462. %



63

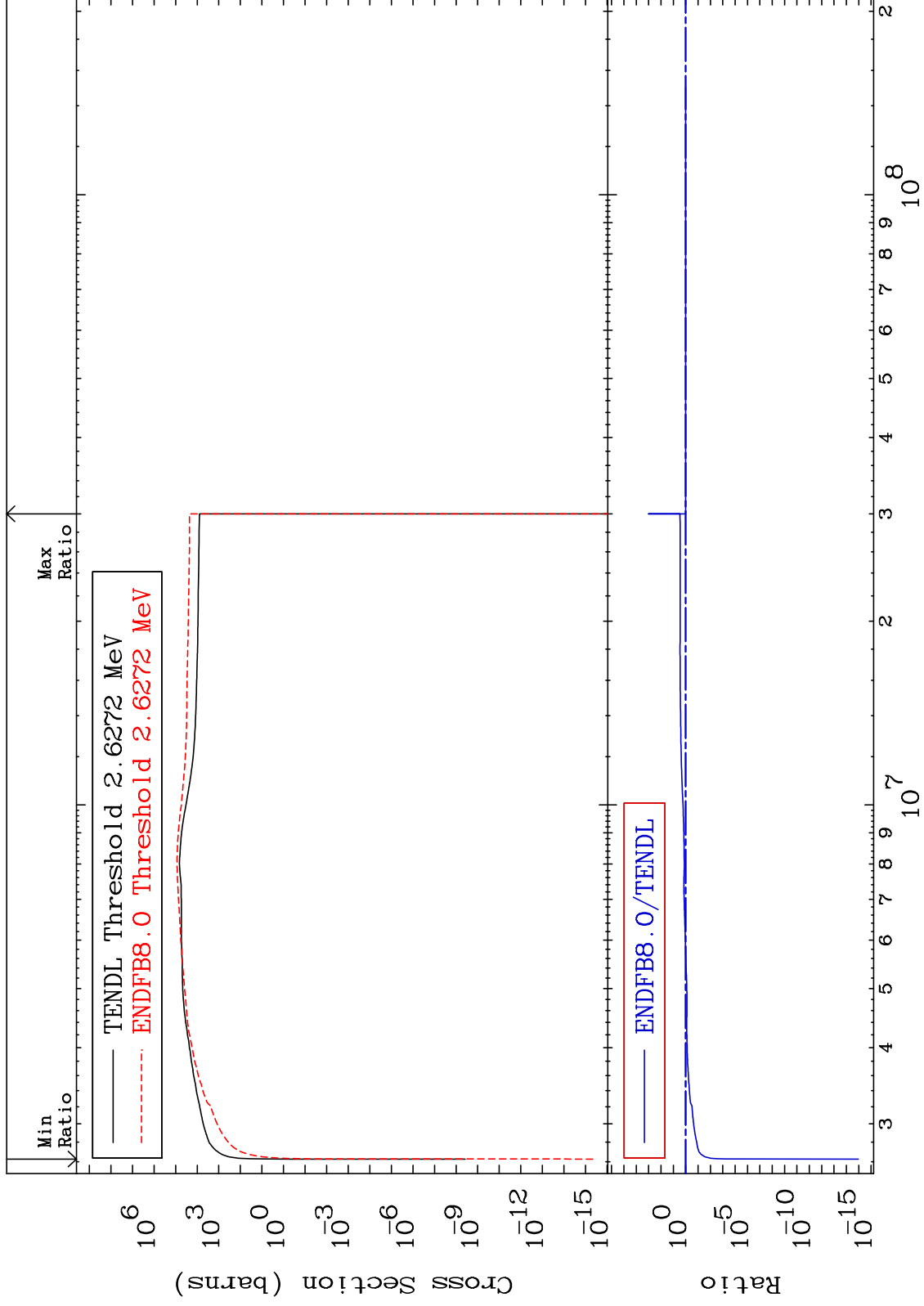
Incident Energy (eV)

82-Pb-208

MAT 8237

Dpa inelastic (mt51-91)
Cross Section

82-Pb-208
-100.0 To 187.2 %



MAT 8237

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-208
-98.81 To 9999. %

