

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

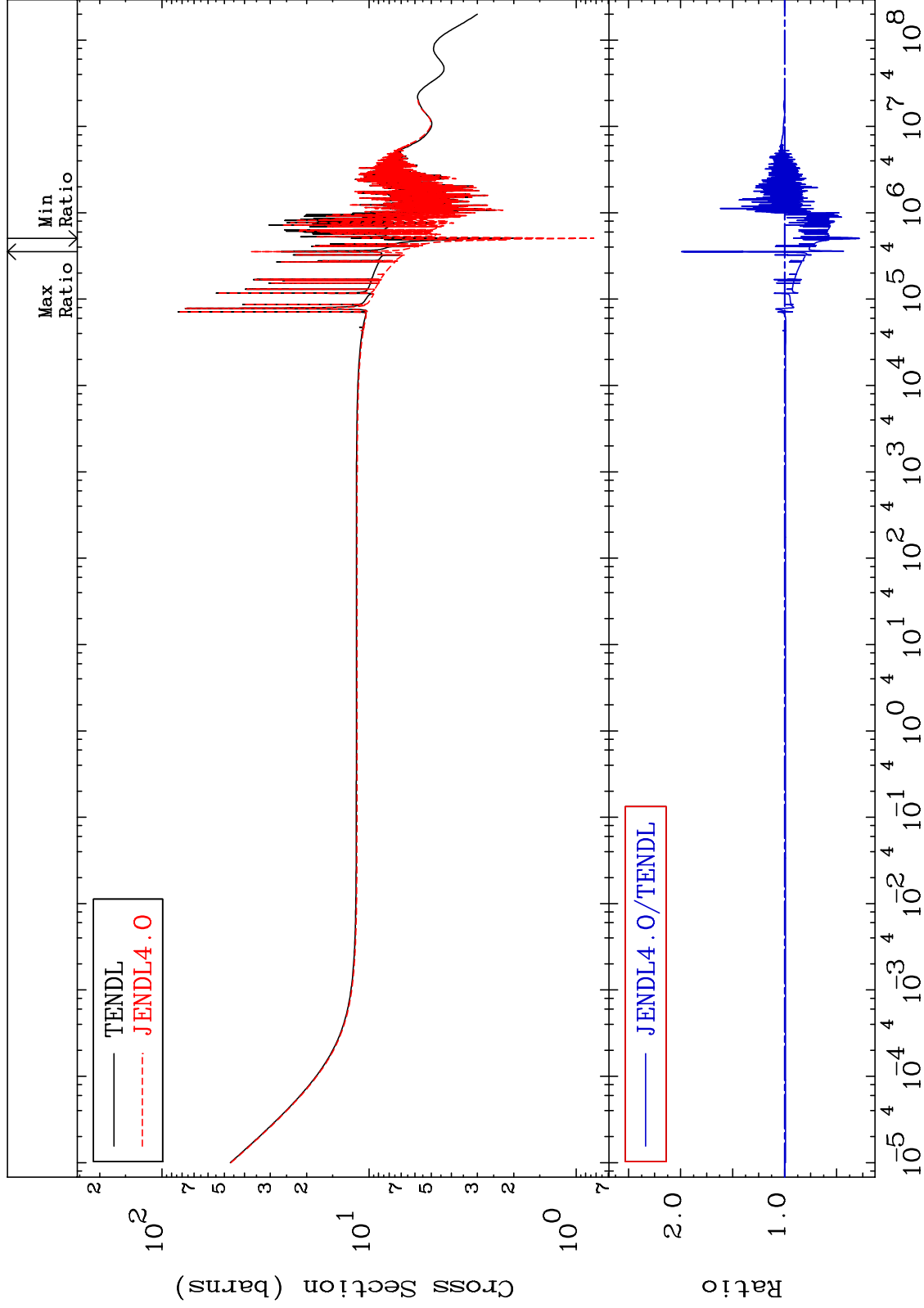
MAT 8237

Total

82-Pb-208

Cross Section

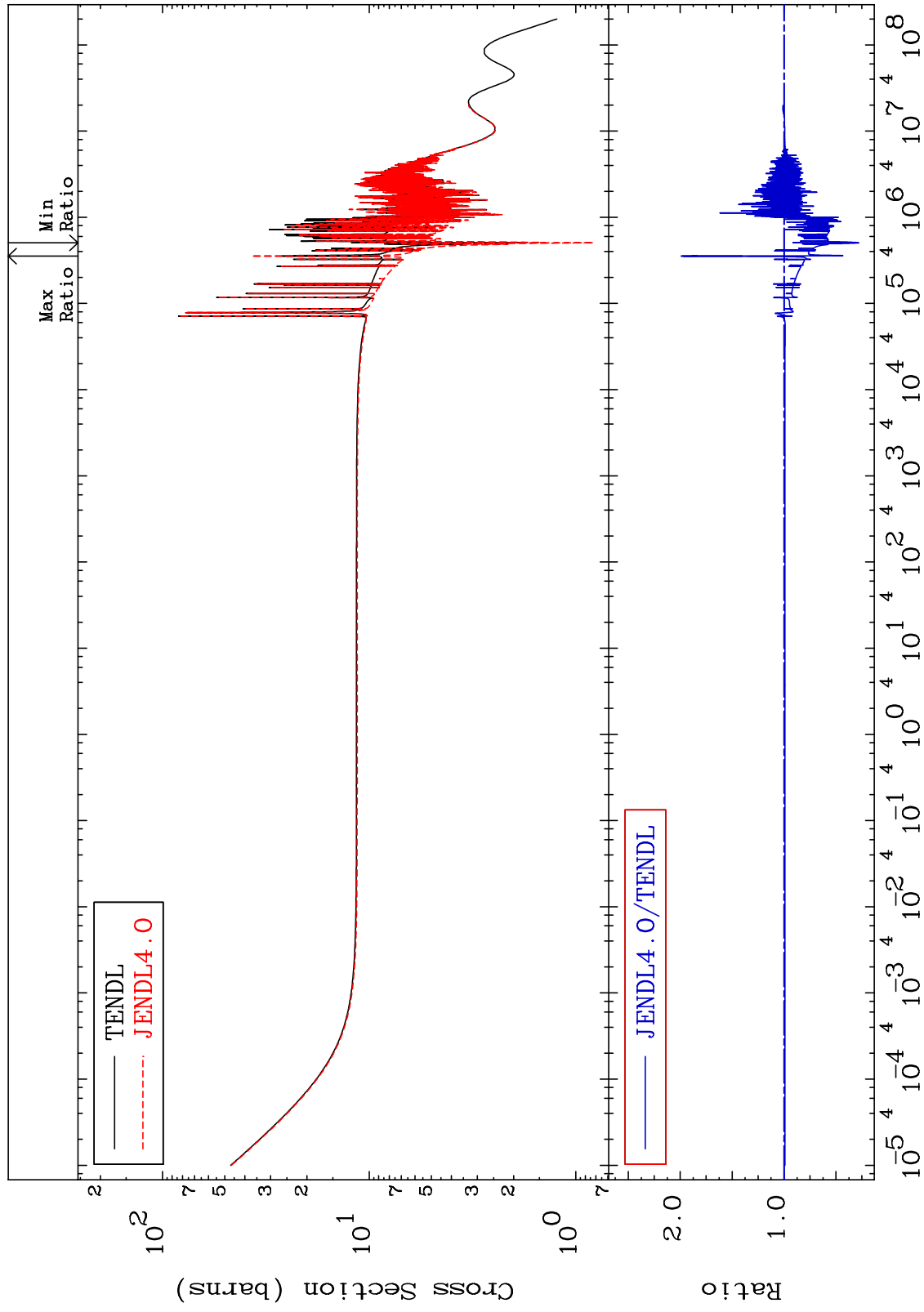
-72.21 To 99.37 %



Incident Energy (eV)

82-Pb-208

MAT 8237 Elastic Cross Section 82-Pb-208 -72.22 To 99.37 %

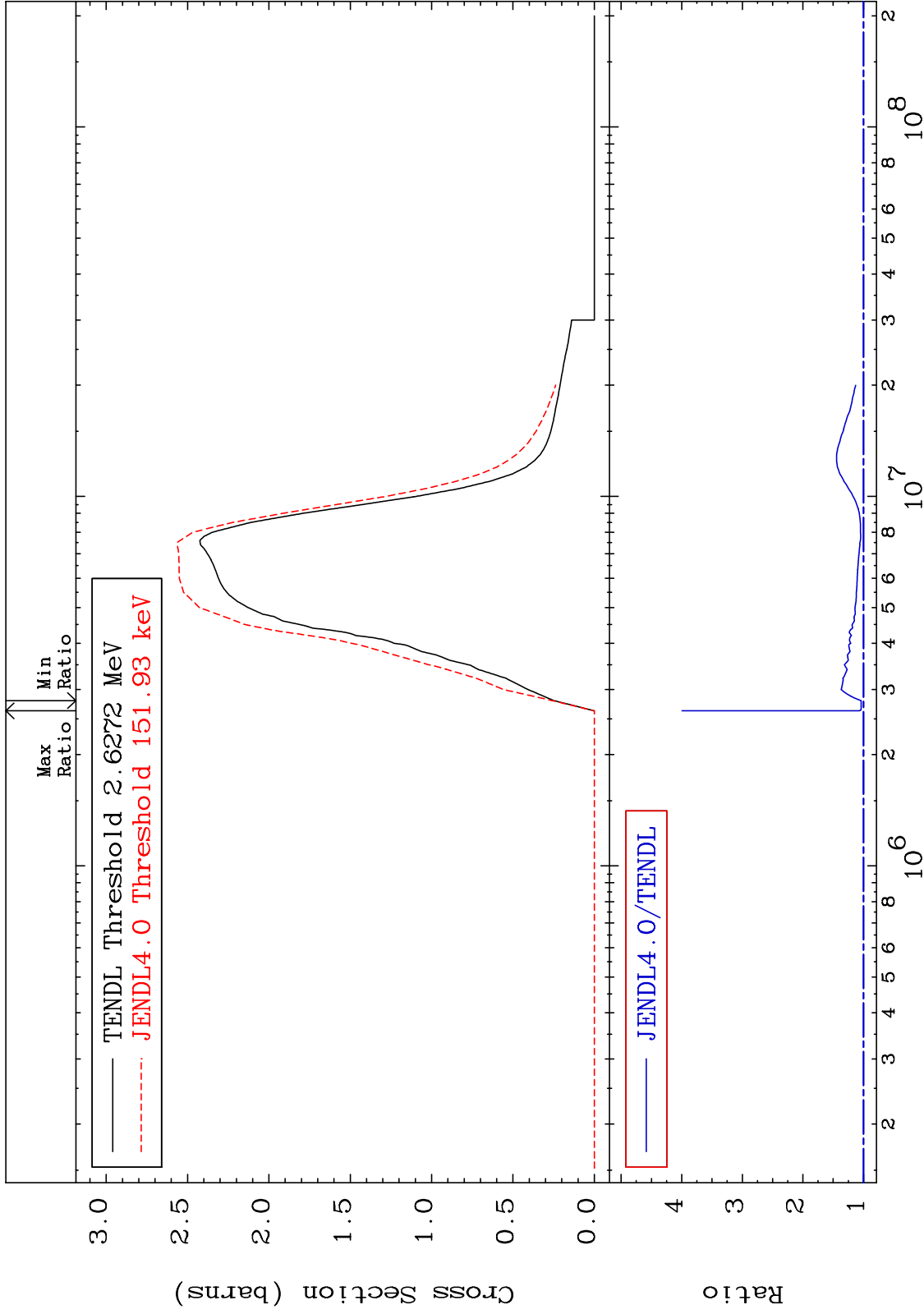


82-Pb-208

MAT 8237

Inelastic
Cross Section

82-Pb-208
3.822 To 299.5 %

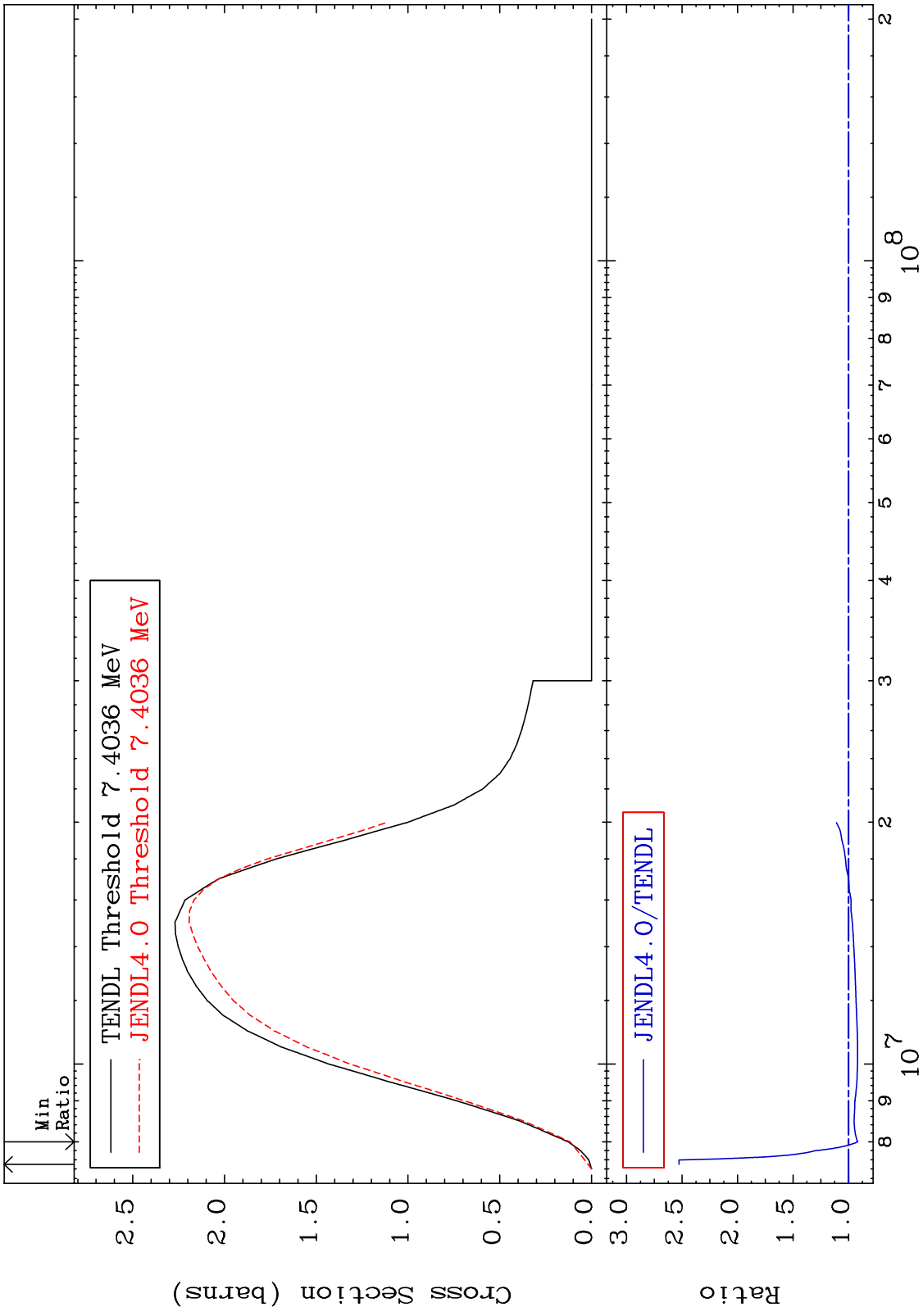


3

Incident Energy (eV)

82-Pb-208

MAT 8237 (n,2n) Cross Section 82-Pb-208 -8.389 To 152.7 %



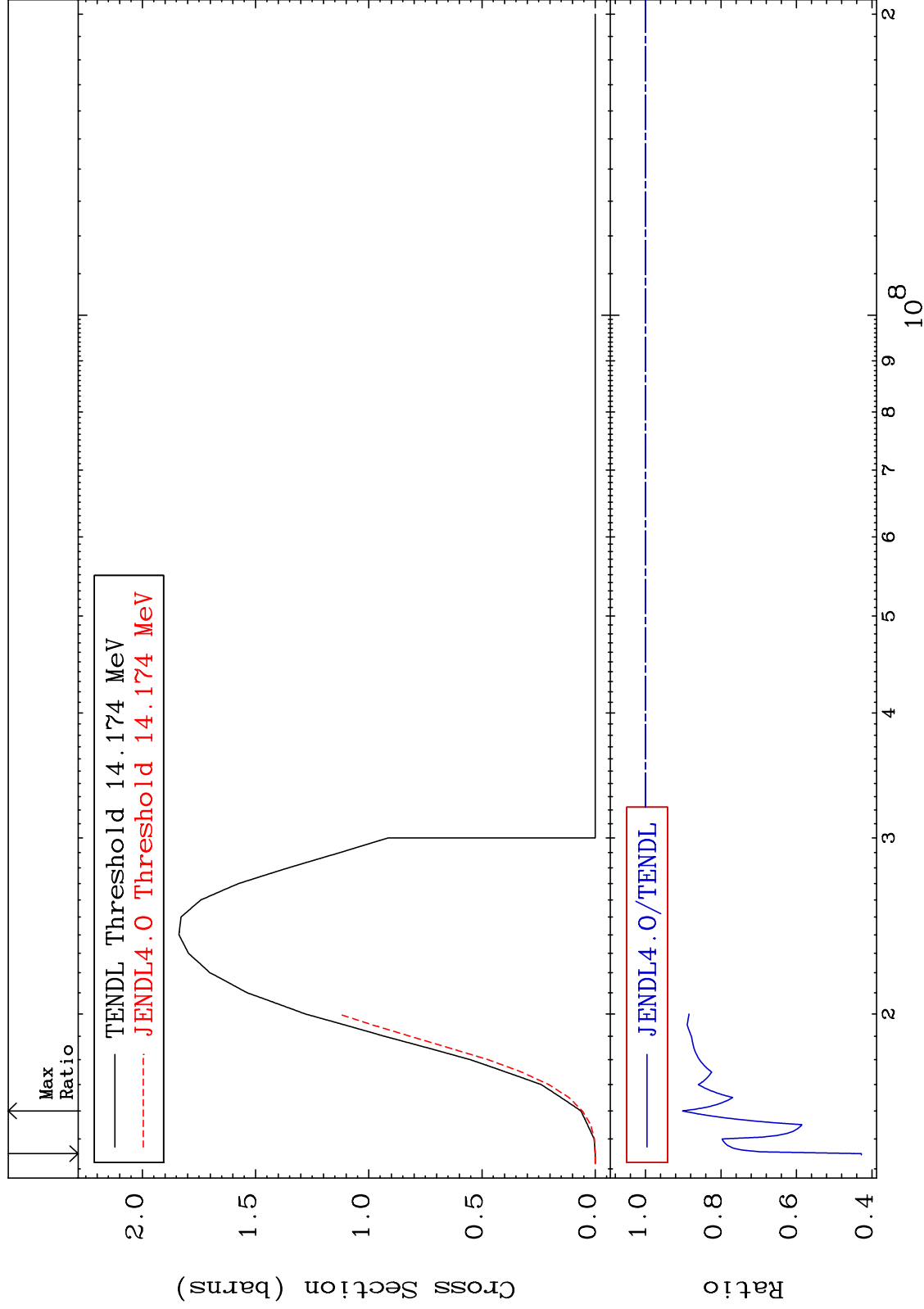
MAT 8237

(n,3n)

82-Pb-208

Cross Section

-57.20 To -9.857%



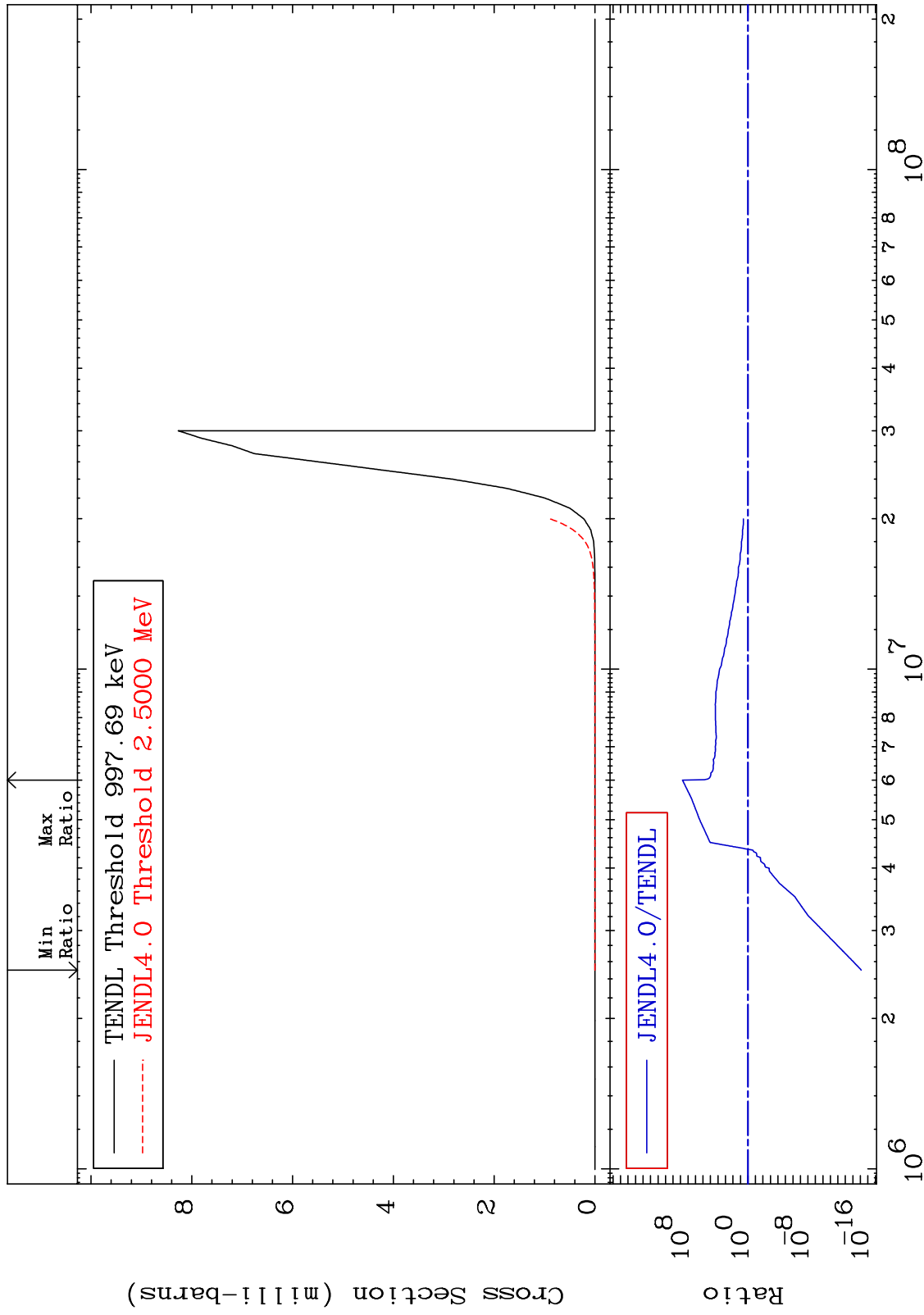
MAT 8237

(n,n') α

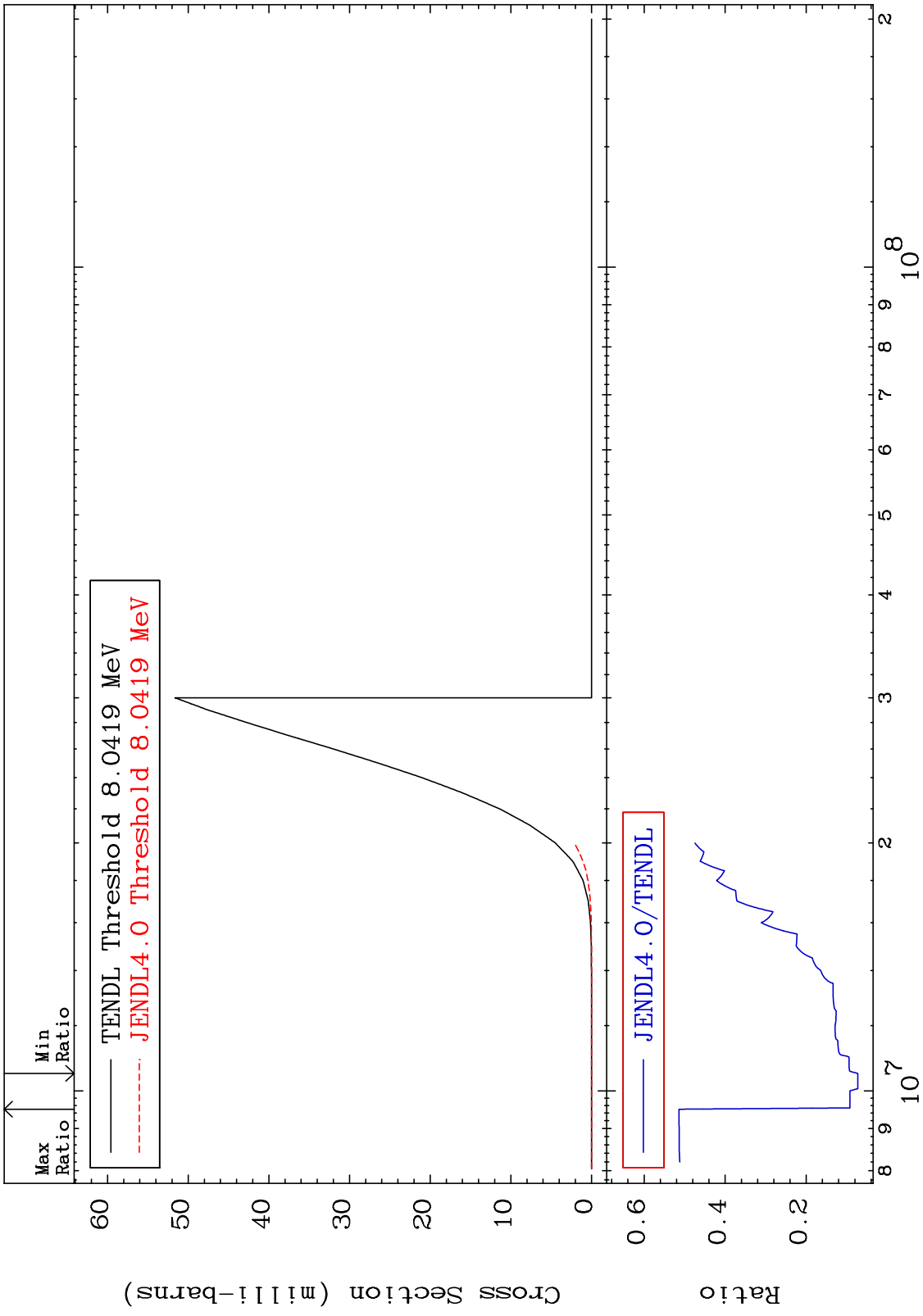
82-Pb-208

-100.0 To 9999. %

Cross Section



MAT 8237 (n,n') p 82-Pb-208 -92.73 To -48.62%
 Cross Section

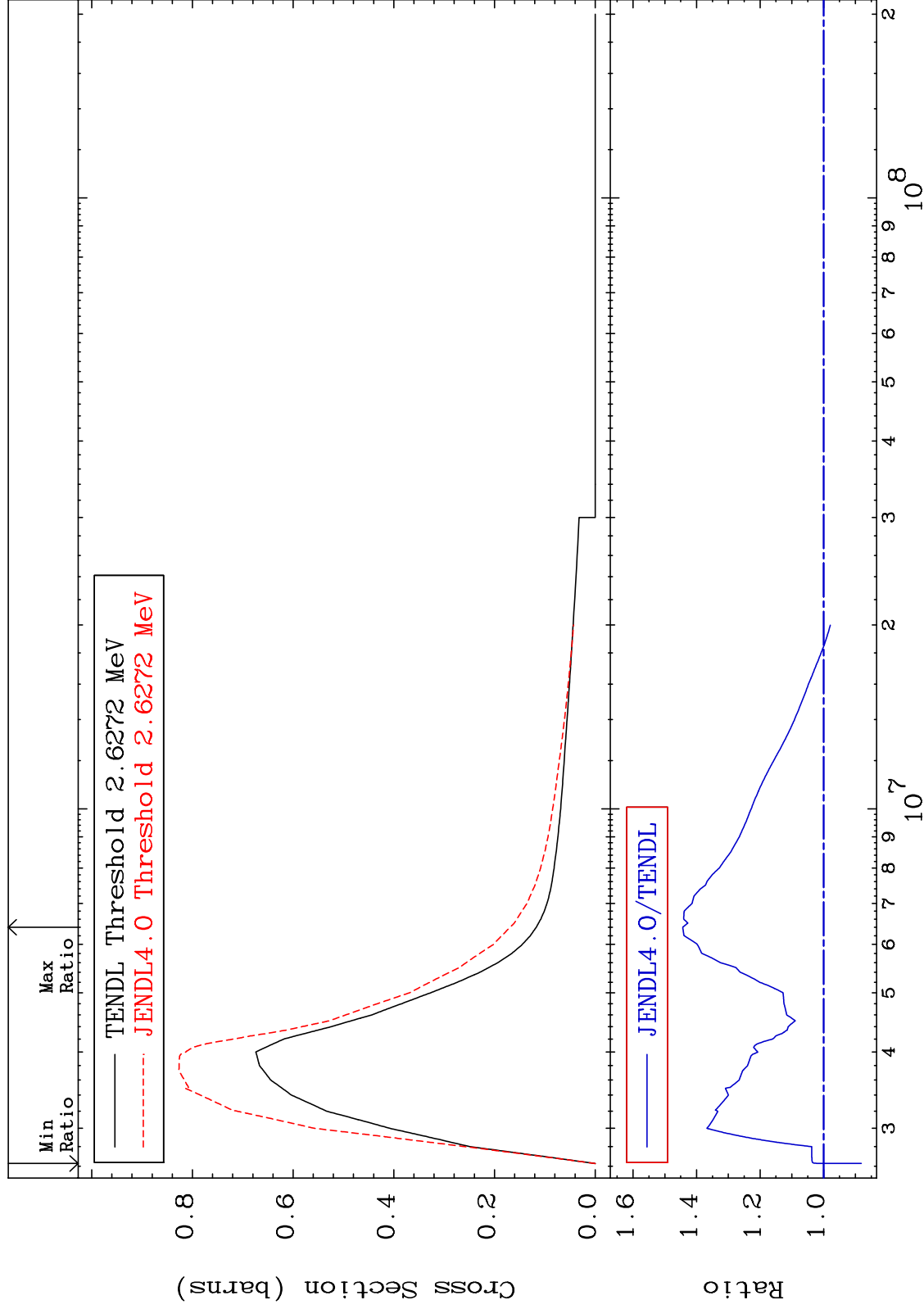


Incident Energy (eV) 82-Pb-208

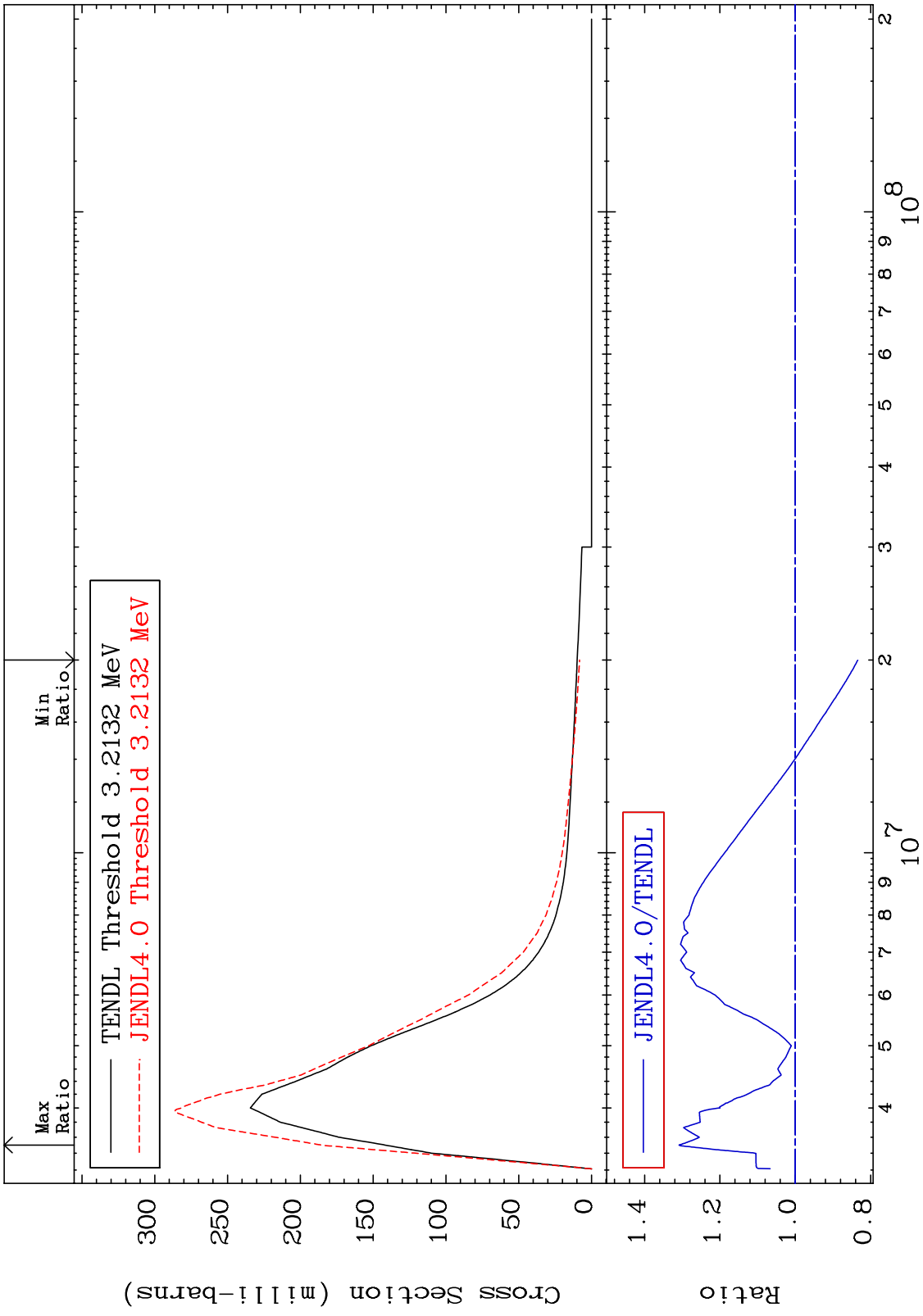
MAT 8237

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

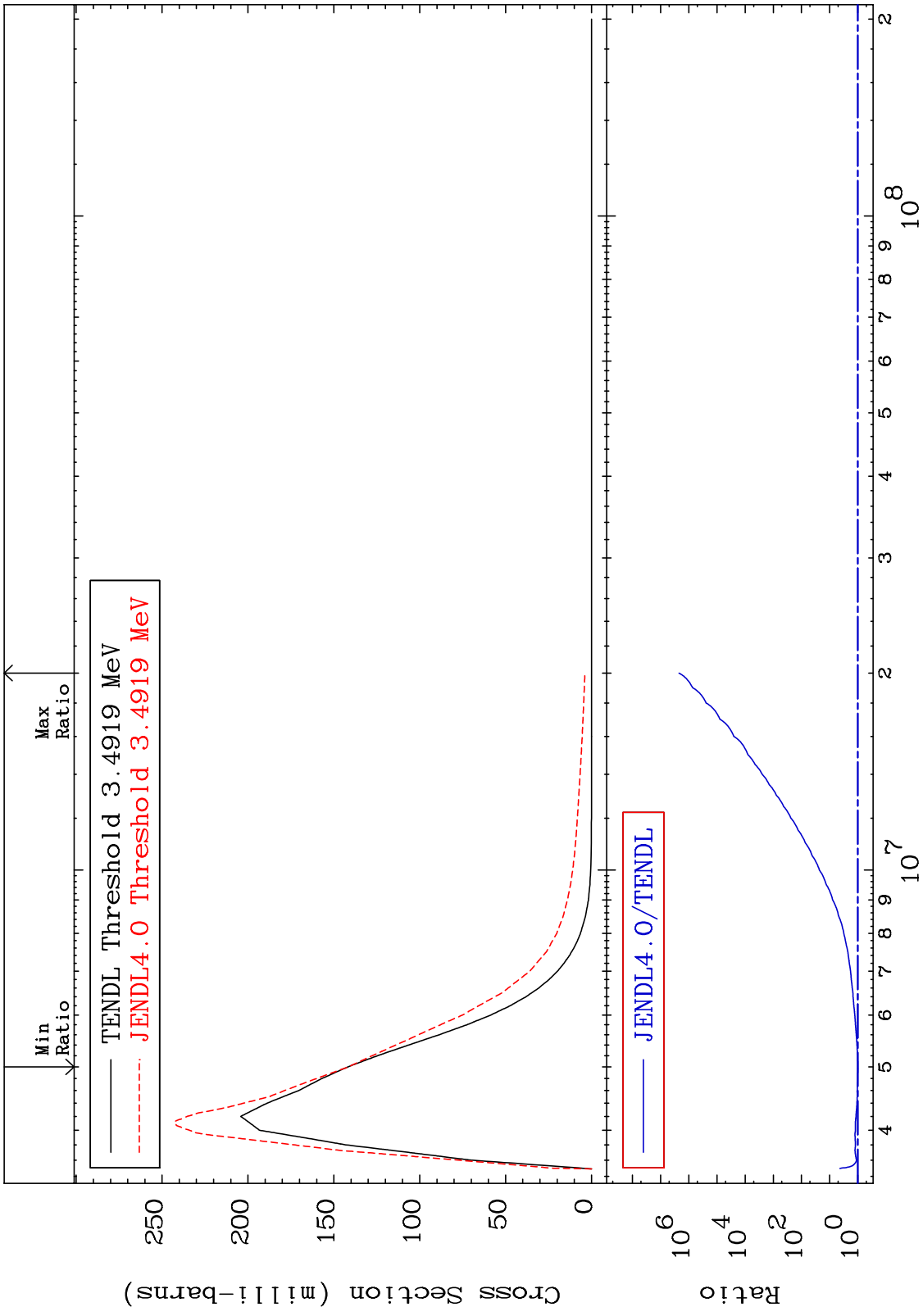
82-Pb-208
-11.87 To 44.38 %



MAT 8237 MT= 52 (n,n') Level Cross Section 82-Pb-208
 -16.59 To 30.86 %



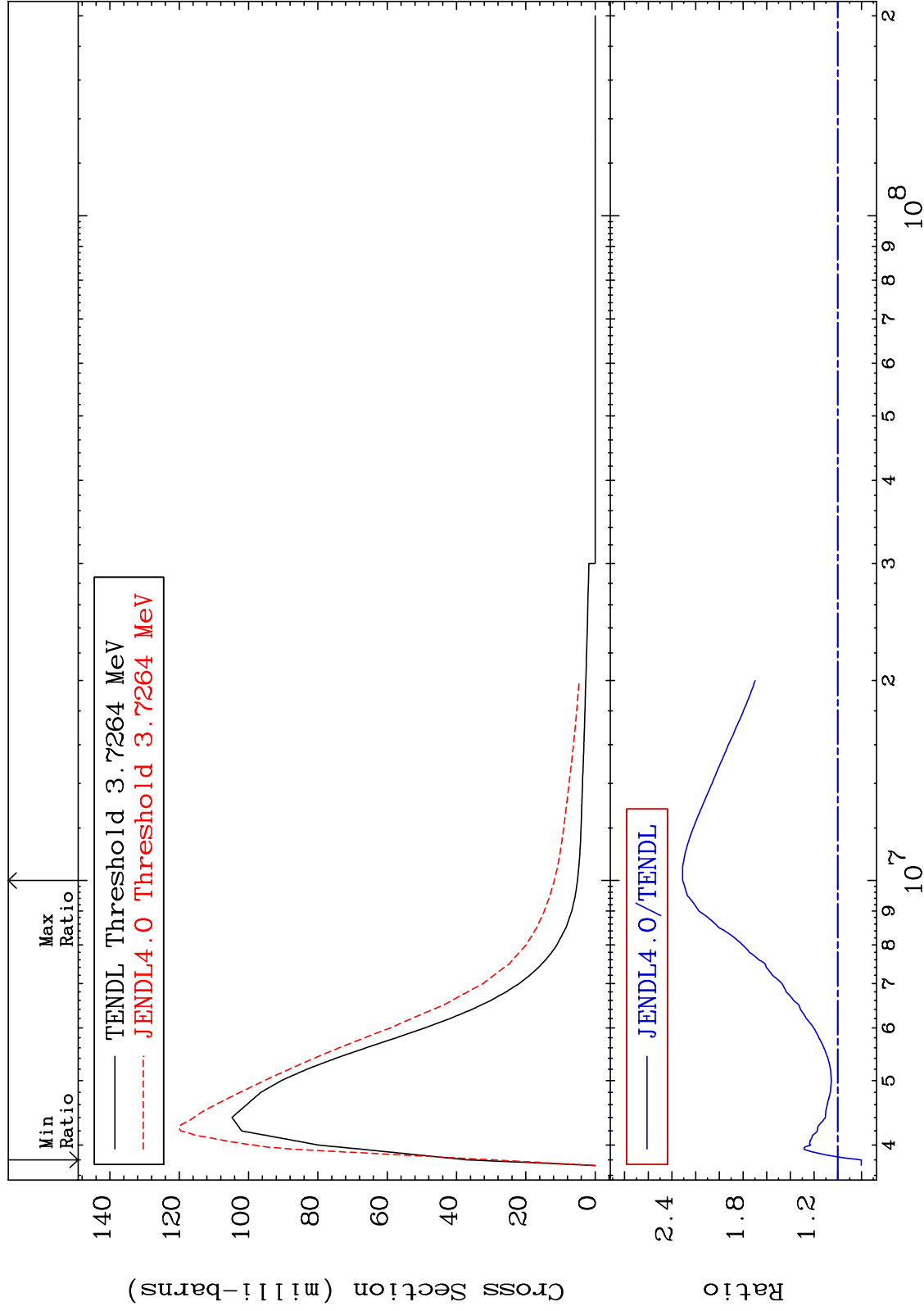
MAT 8237 MT= 53 (n,n') Level Cross Section 82-Pb-208
 -0.241 To 9999. %



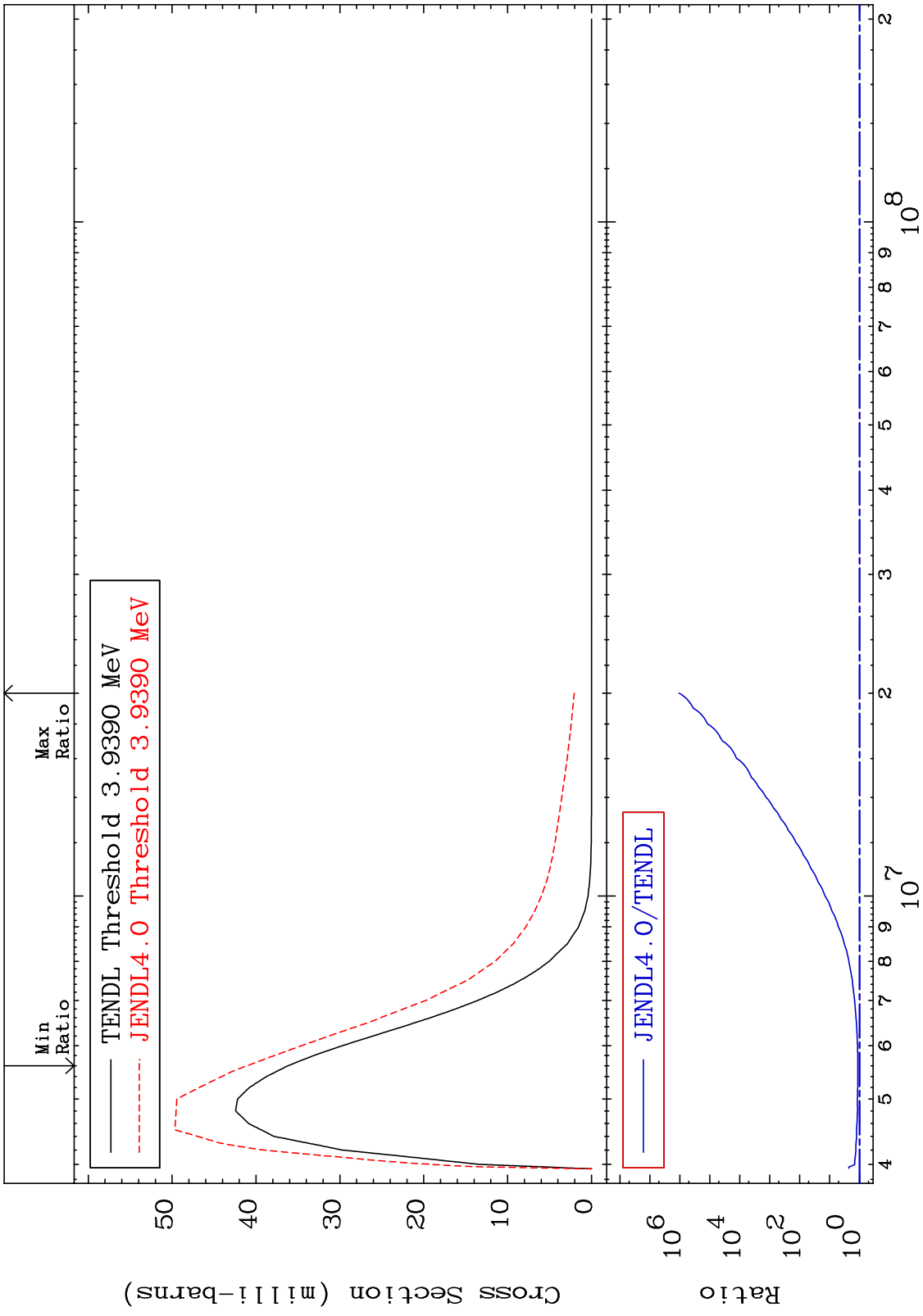
MAT 8237

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

82-Pb-208
-19.90 To 130.9 %



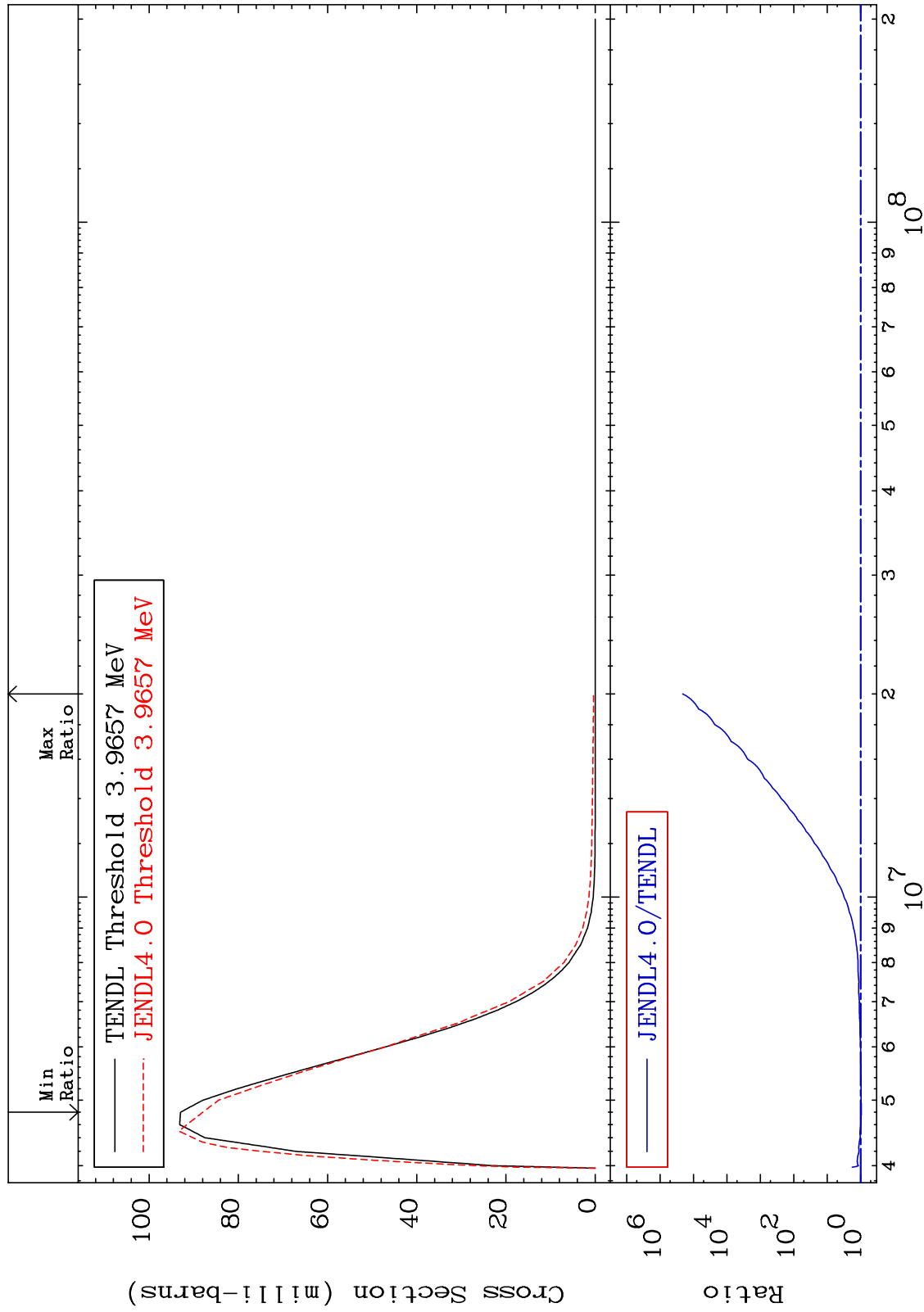
MAT 8237 MT= 55 (n,n') Level Cross Section 82-Pb-208 13.54 To 9999. %



MAT 8237

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

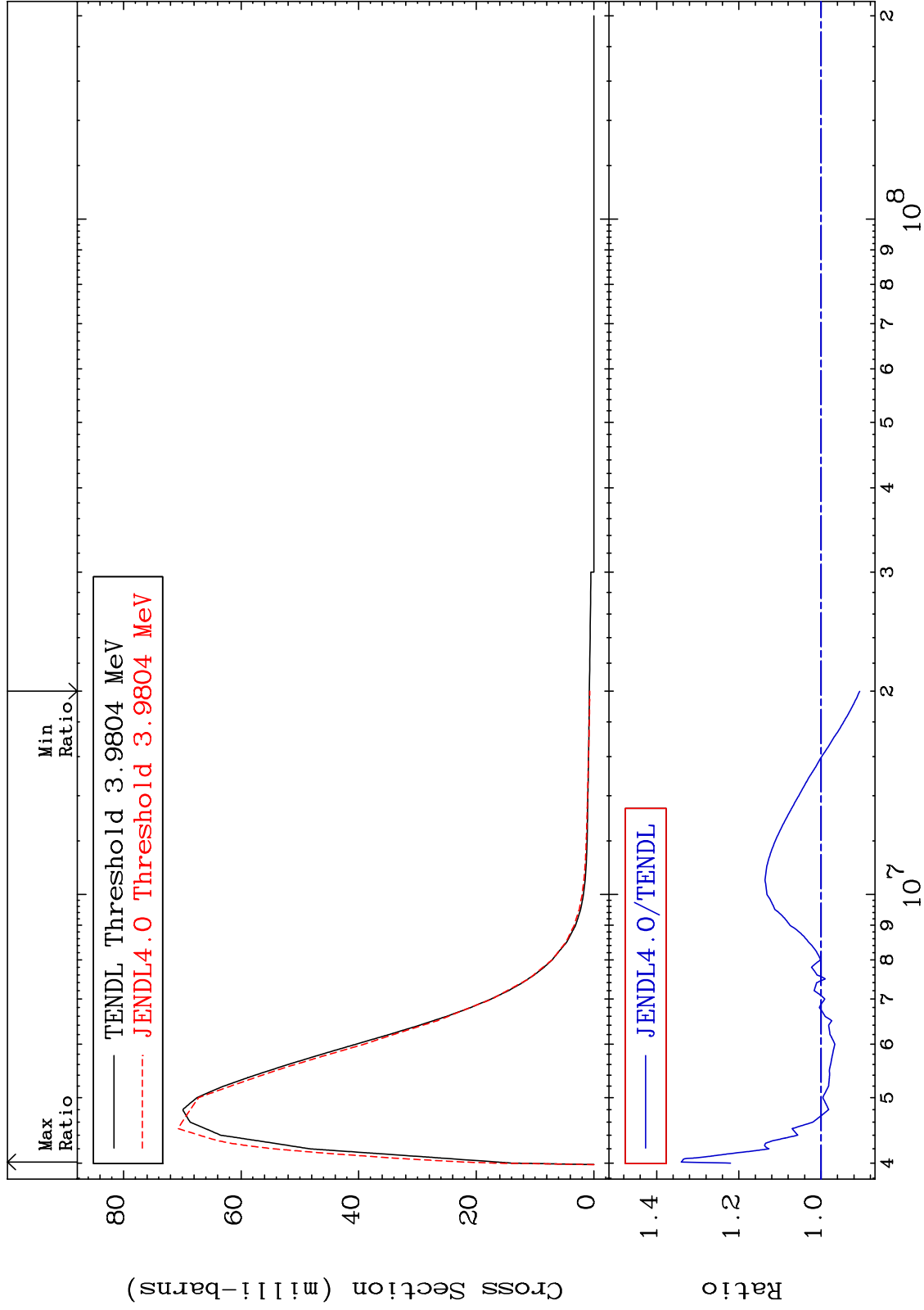
82-Pb-208
-5.372 To 9999. %



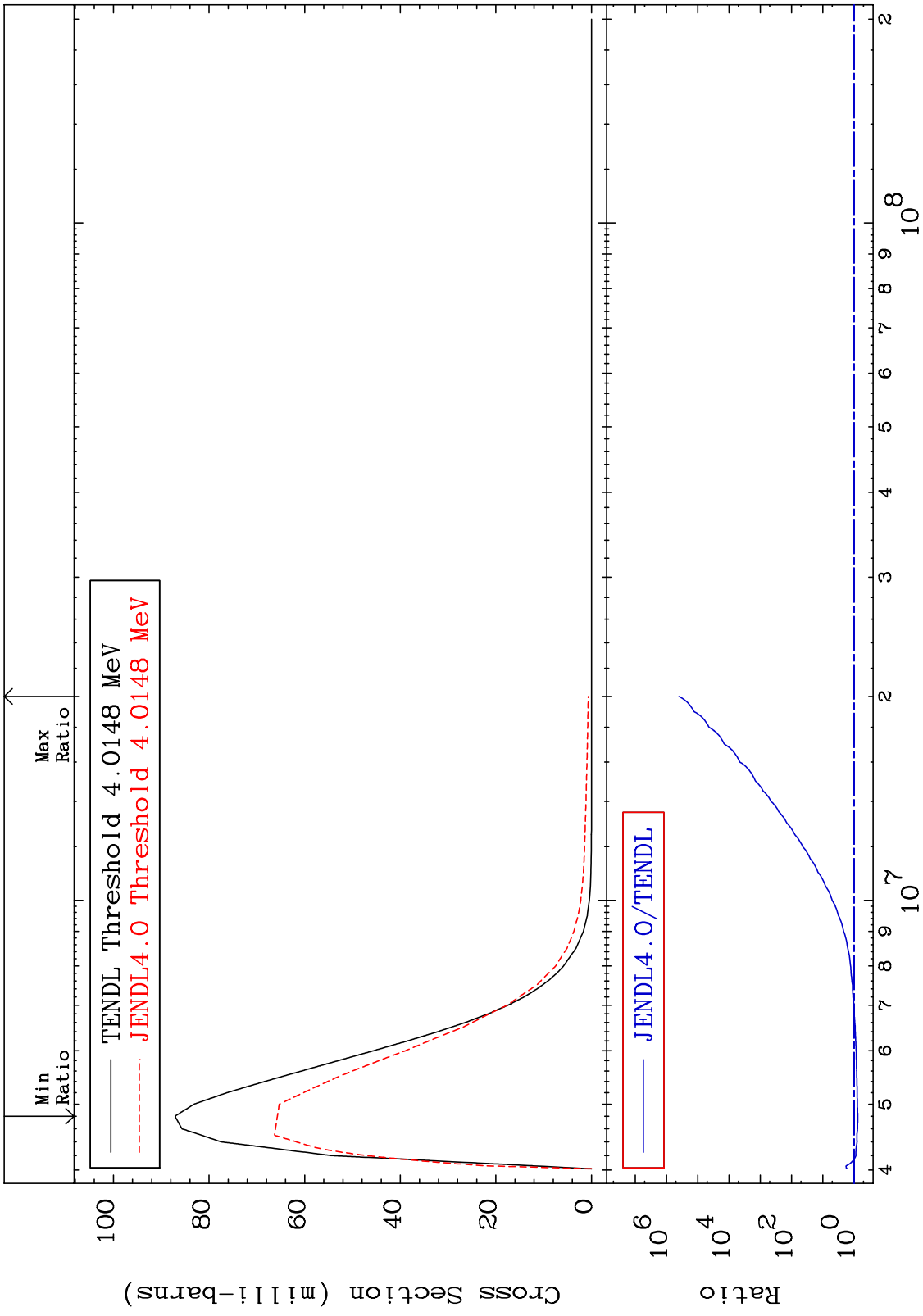
MAT 8237

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

82-Pb-208
-9.404 To 34.02 %



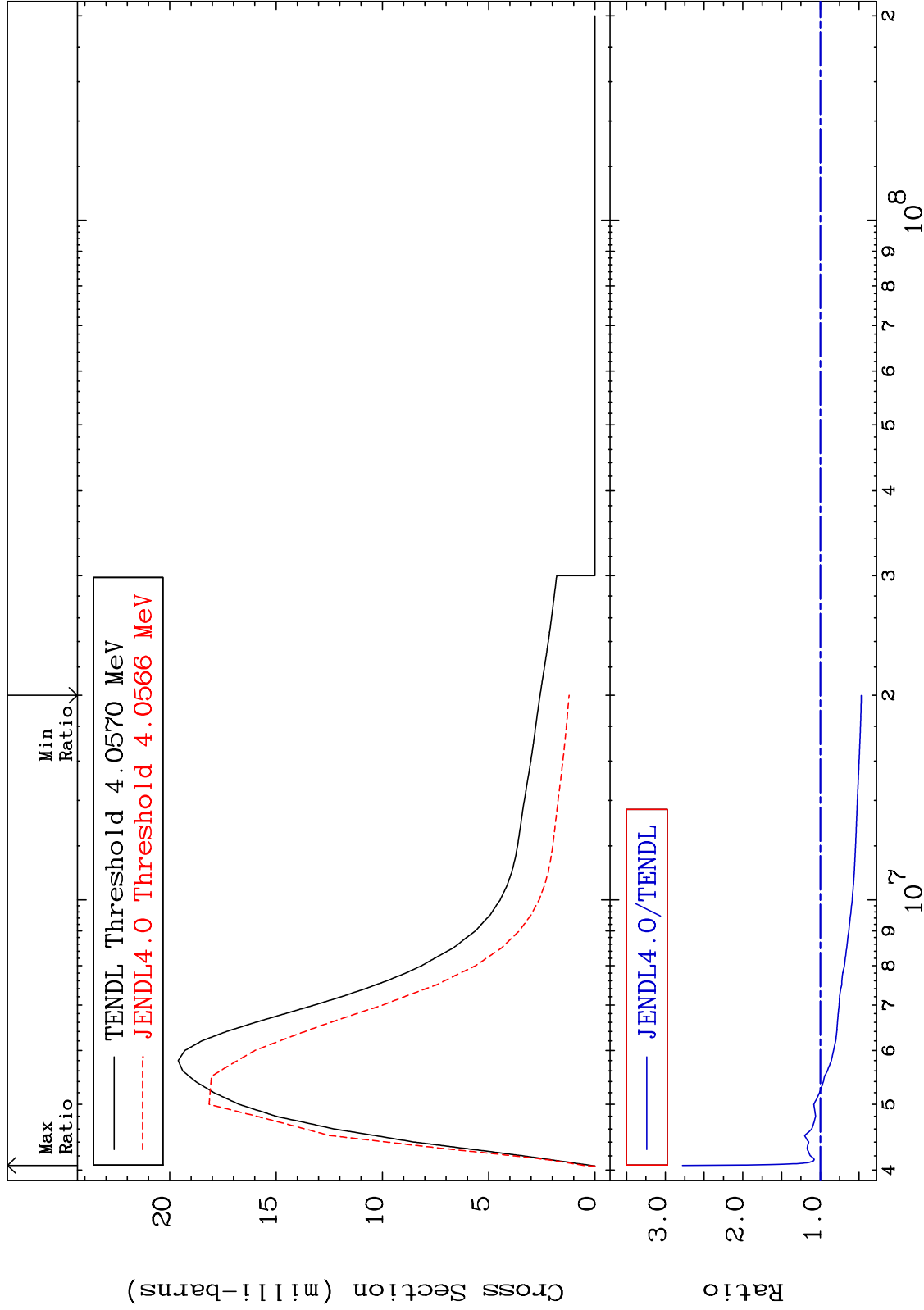
MAT 8237 MT= 58 (n,n') Level Cross Section 82-Pb-208
 -24.58 To 9999. %



MAT 8237

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

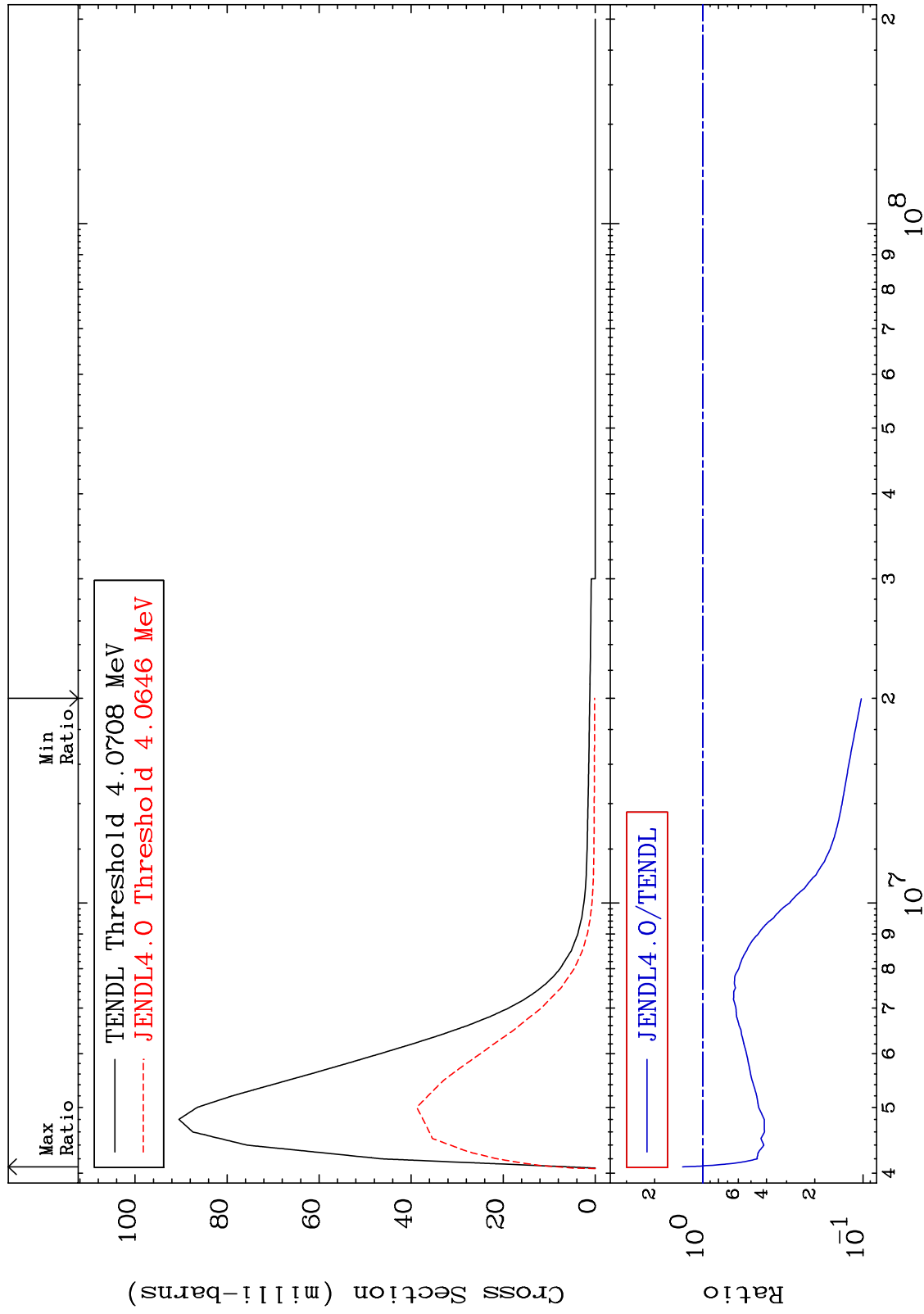
82-Pb-208
-52.85 To 177.9 %



MAT 8237

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

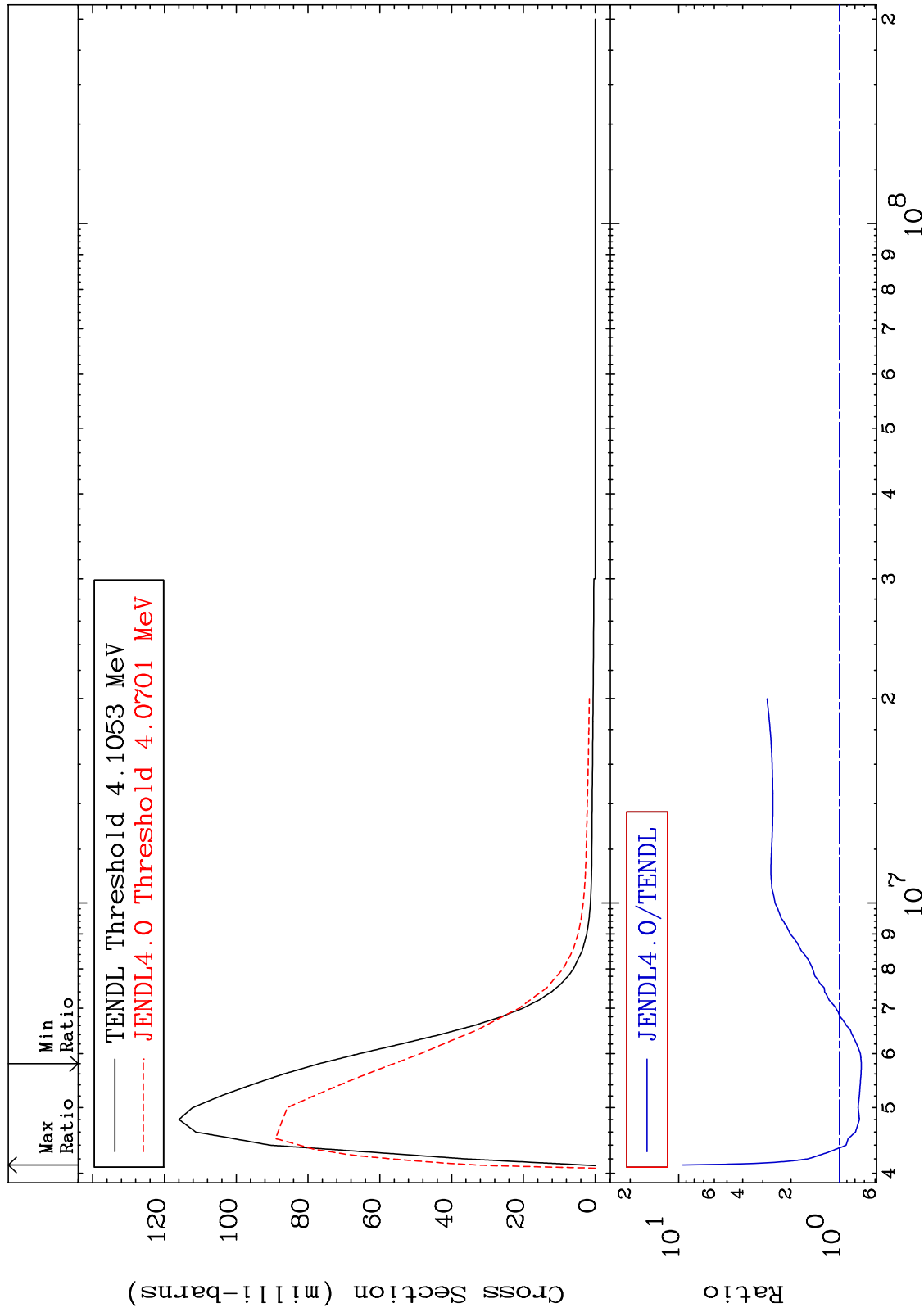
82-Pb-208
-89.76 To 33.56 %



MAT 8237

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

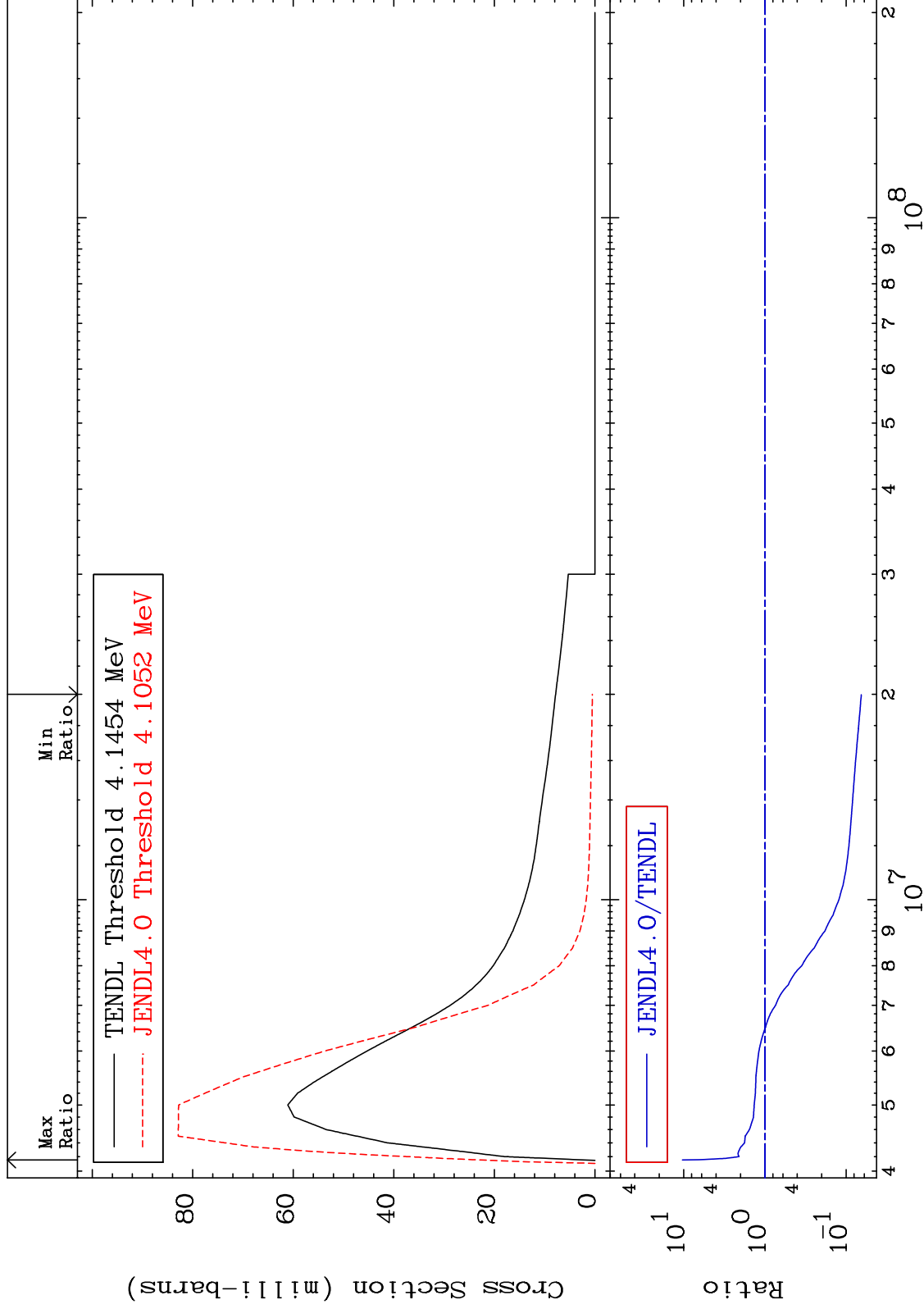
82-Pb-208
-26.96 To 844.1 %



MAT 8237

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

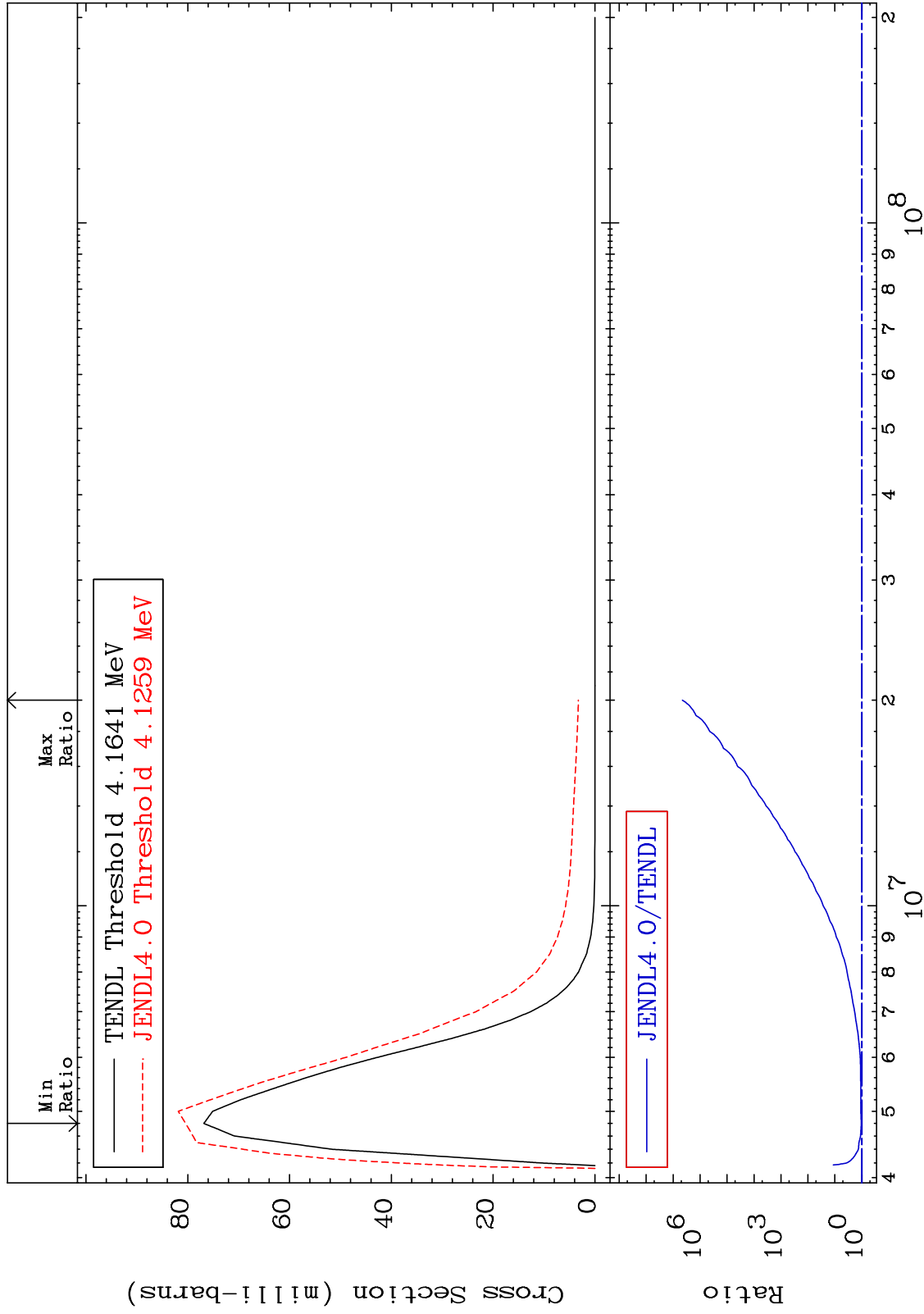
82-Pb-208
-93.48 To 934.7 %



MAT 8237

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

82-Pb-208
4.675 To 9999. %

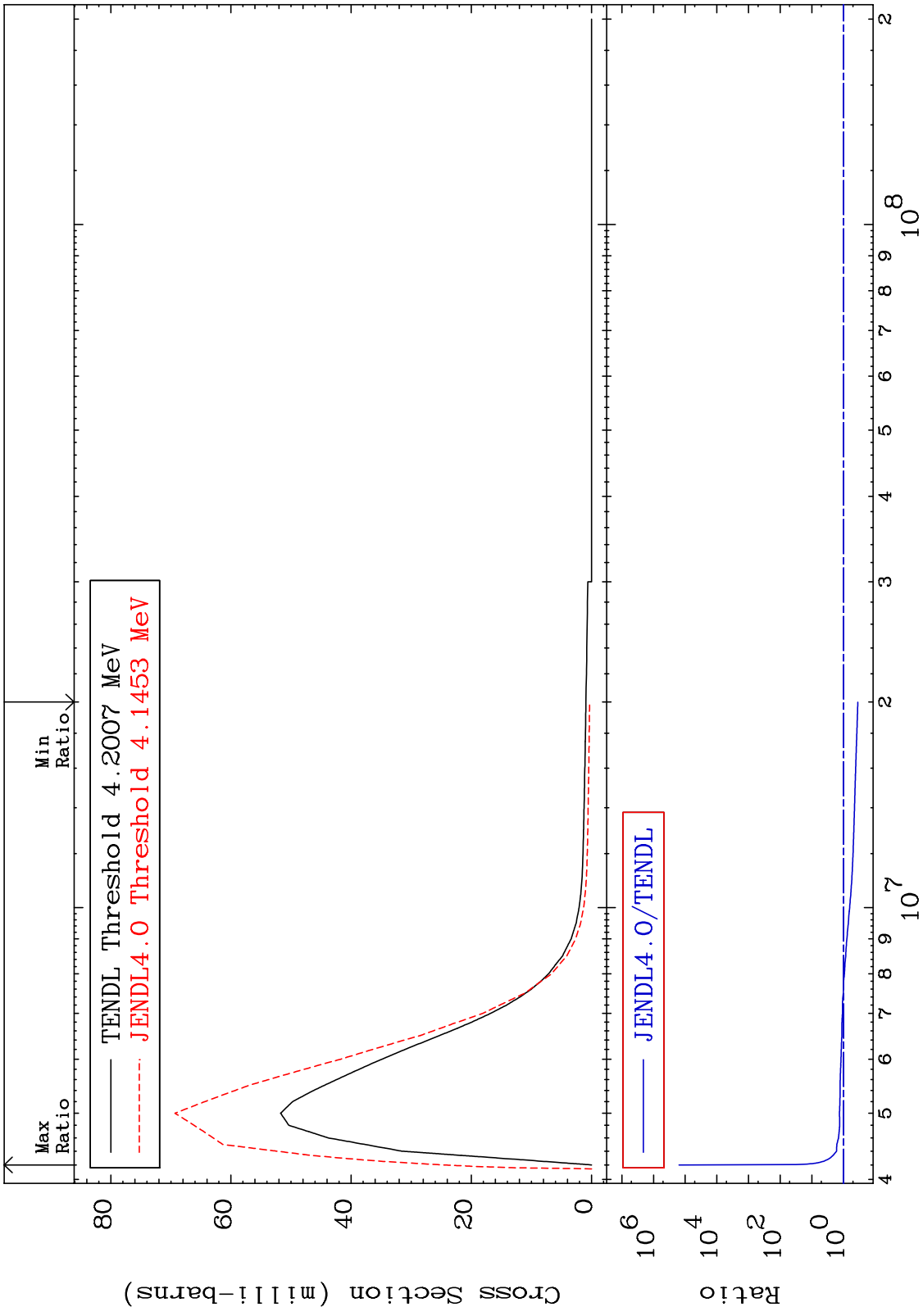


20

Incident Energy (eV)

82-Pb-208

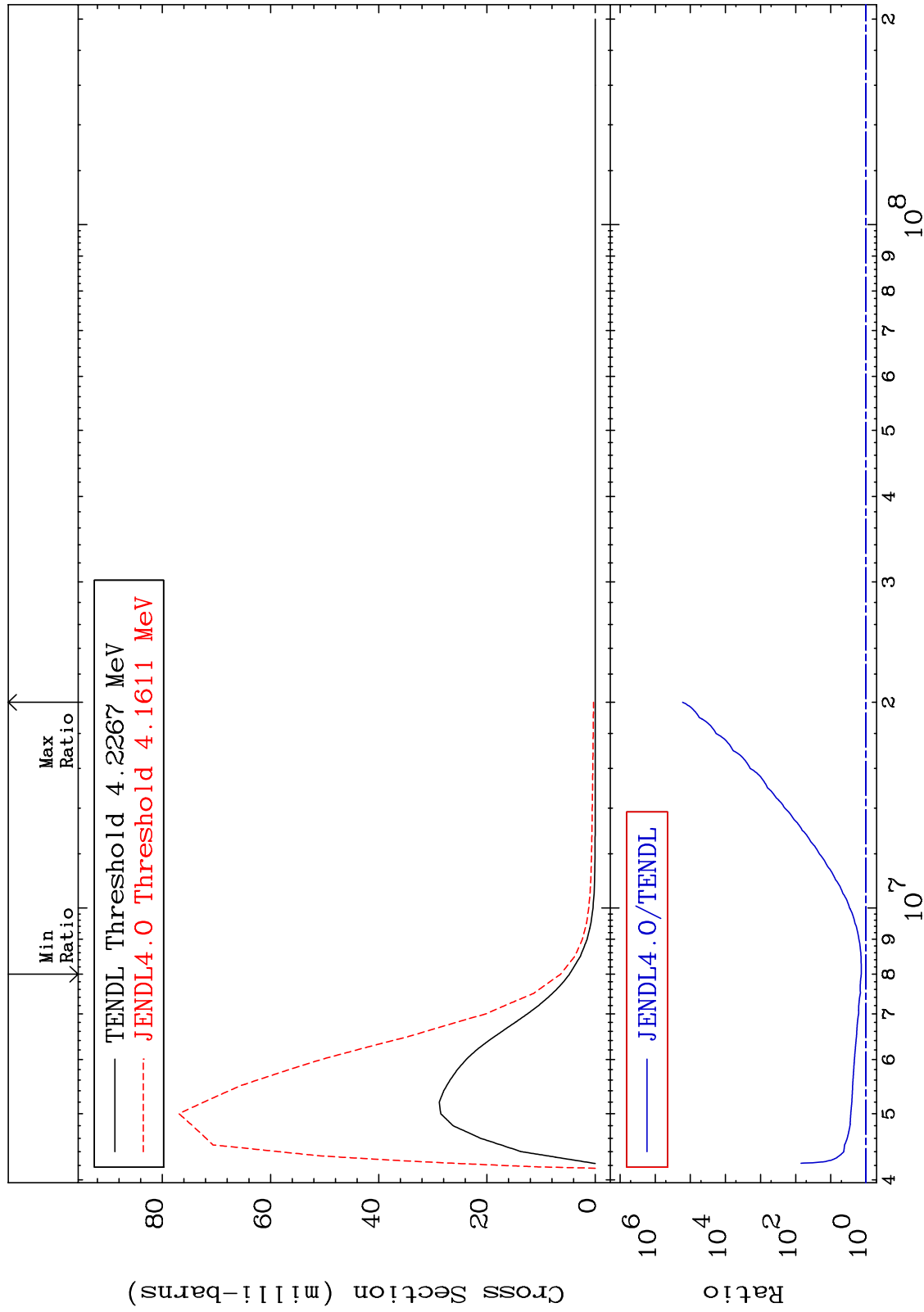
MAT 8237 MT= 64 (n,n') Level Cross Section 82-Pb-208
 -64.82 To 9999. %



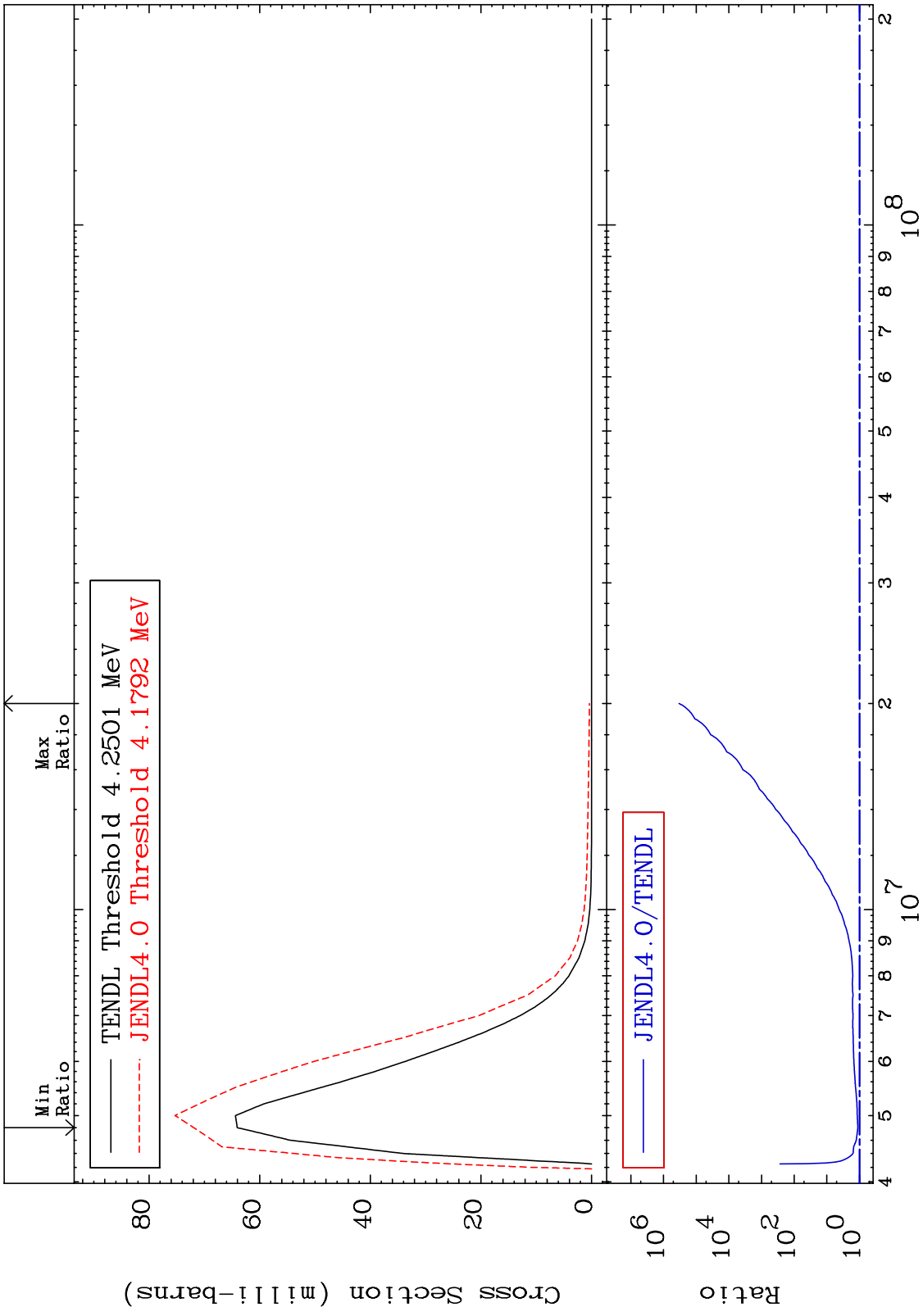
MAT 8237

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

82-Pb-208
34.64 To 9999. %



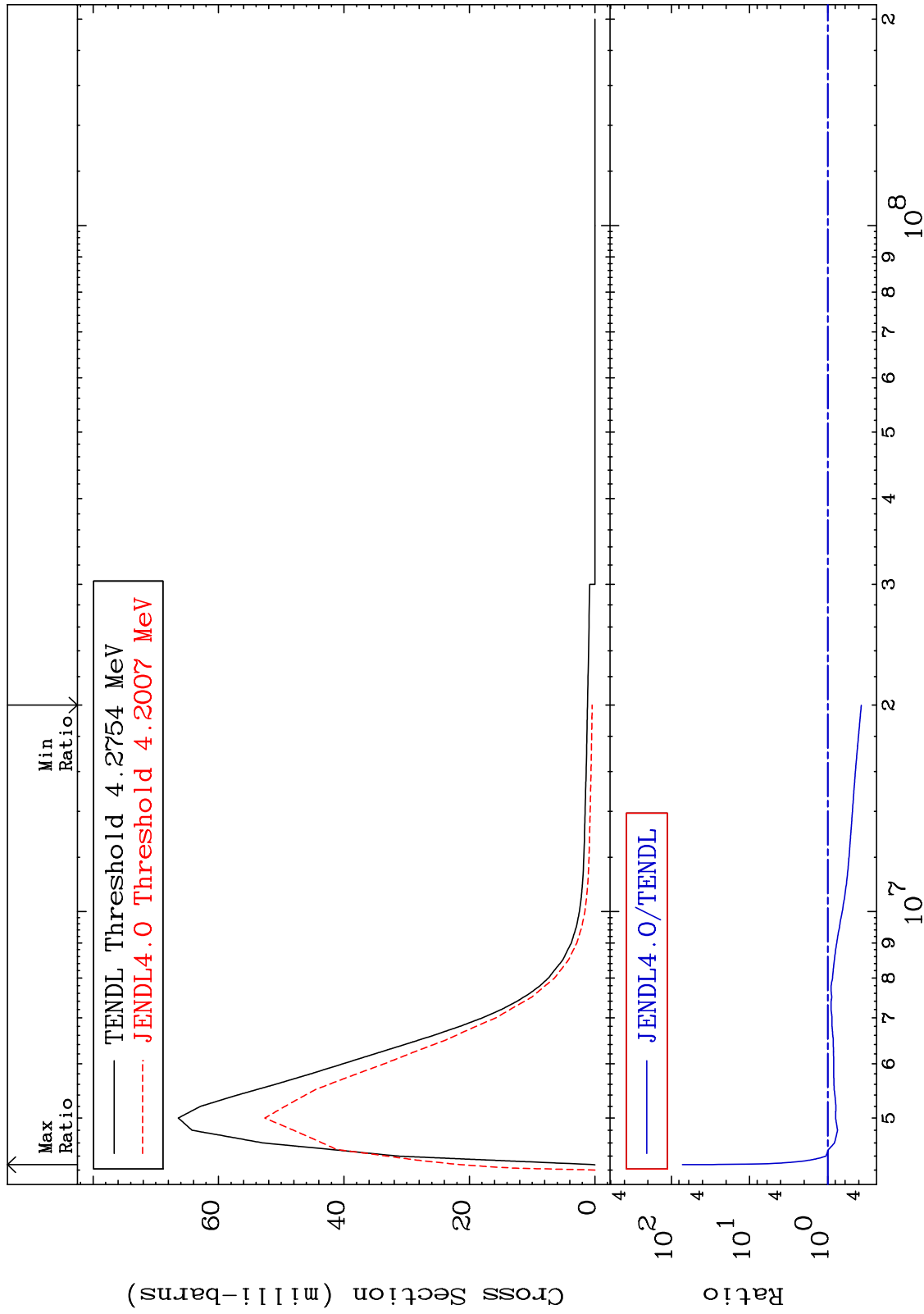
MAT 8237 MT= 66 (n,n') Level Cross Section 82-Pb-208 12.28 To 9999. %



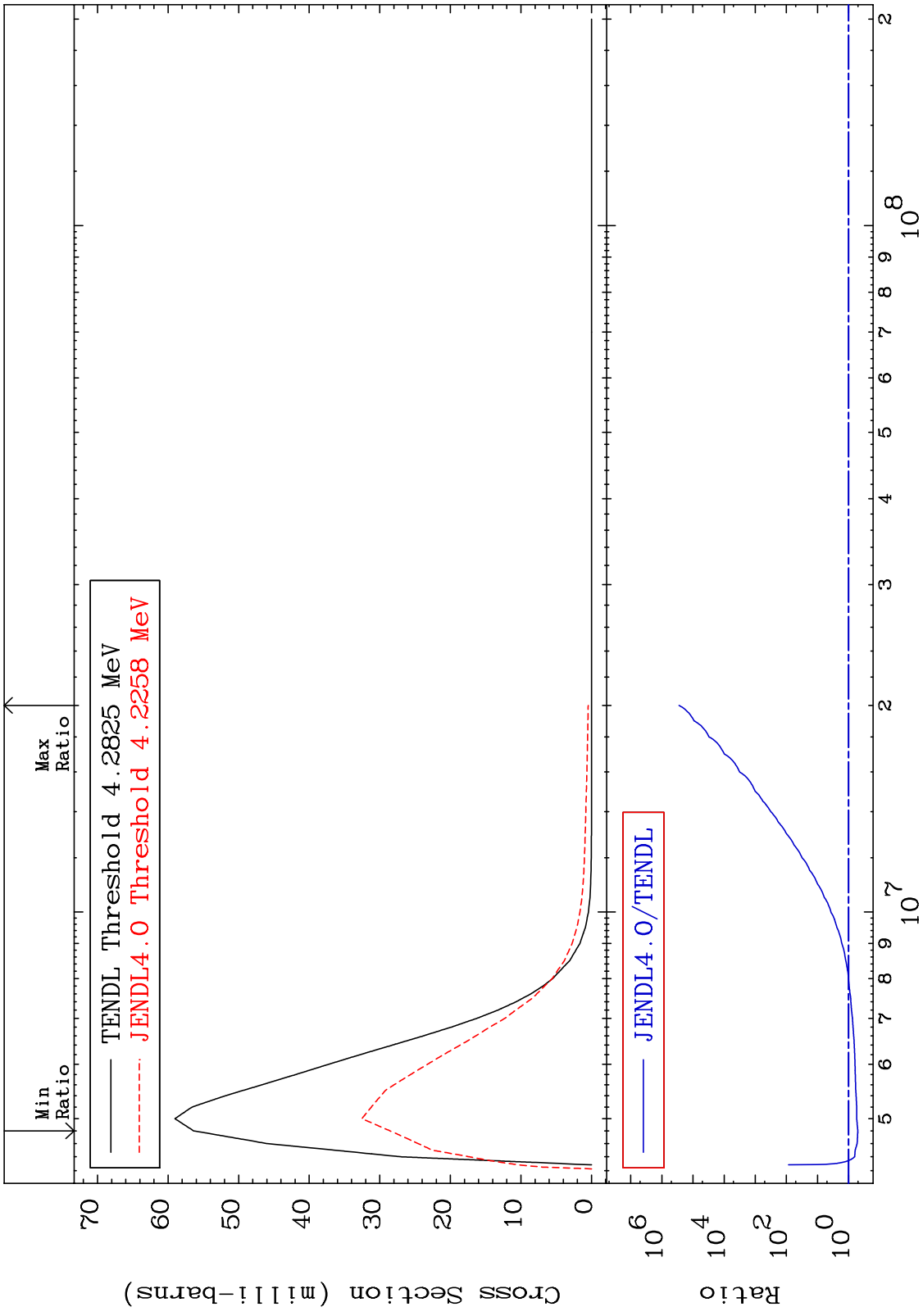
MAT 8237

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

82-Pb-208
-62.81 To 7120. %



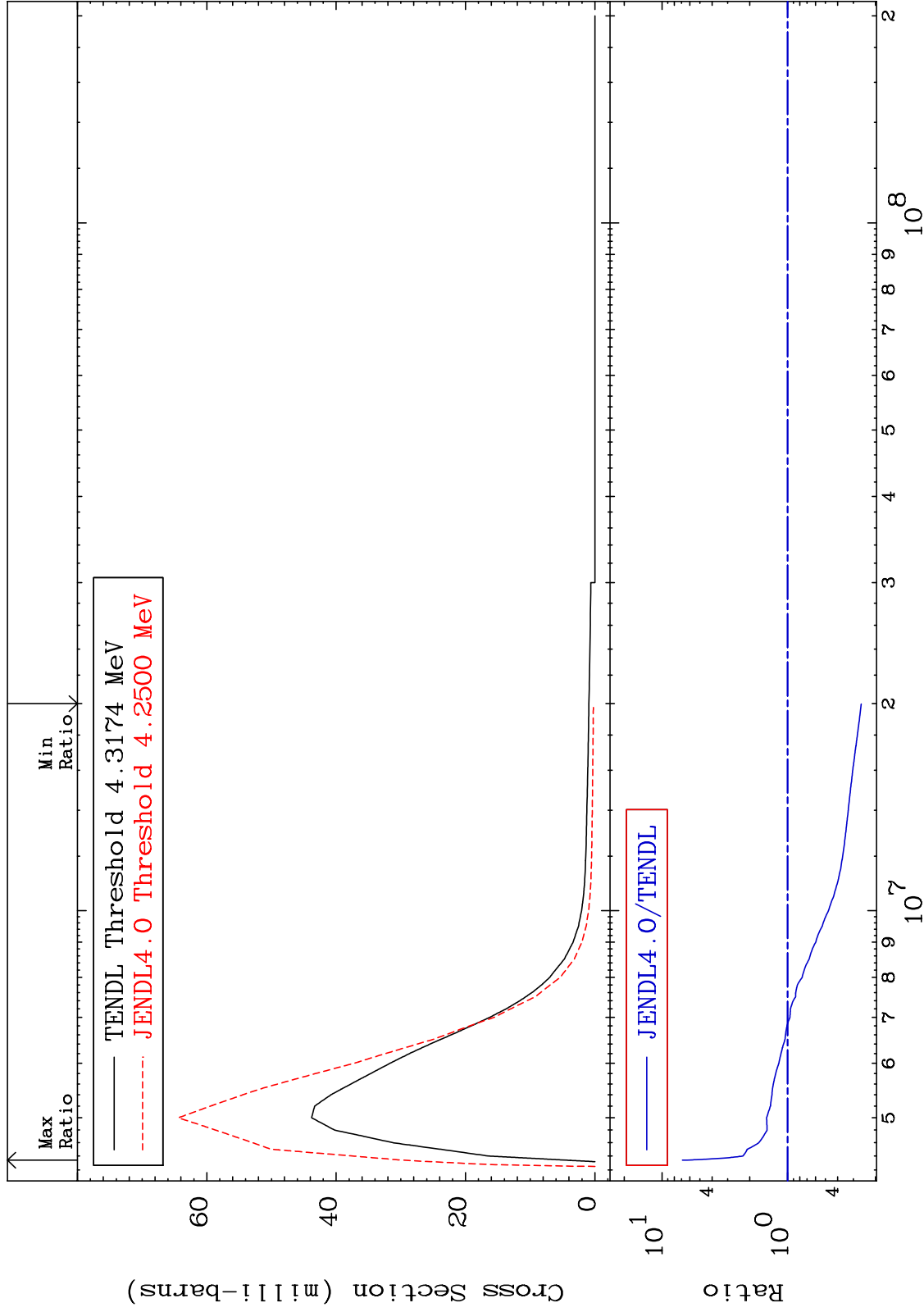
MAT 8237 MT= 68 (n,n') Level Cross Section 82-Pb-208
 -49.36 To 9999. %



MAT 8237

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

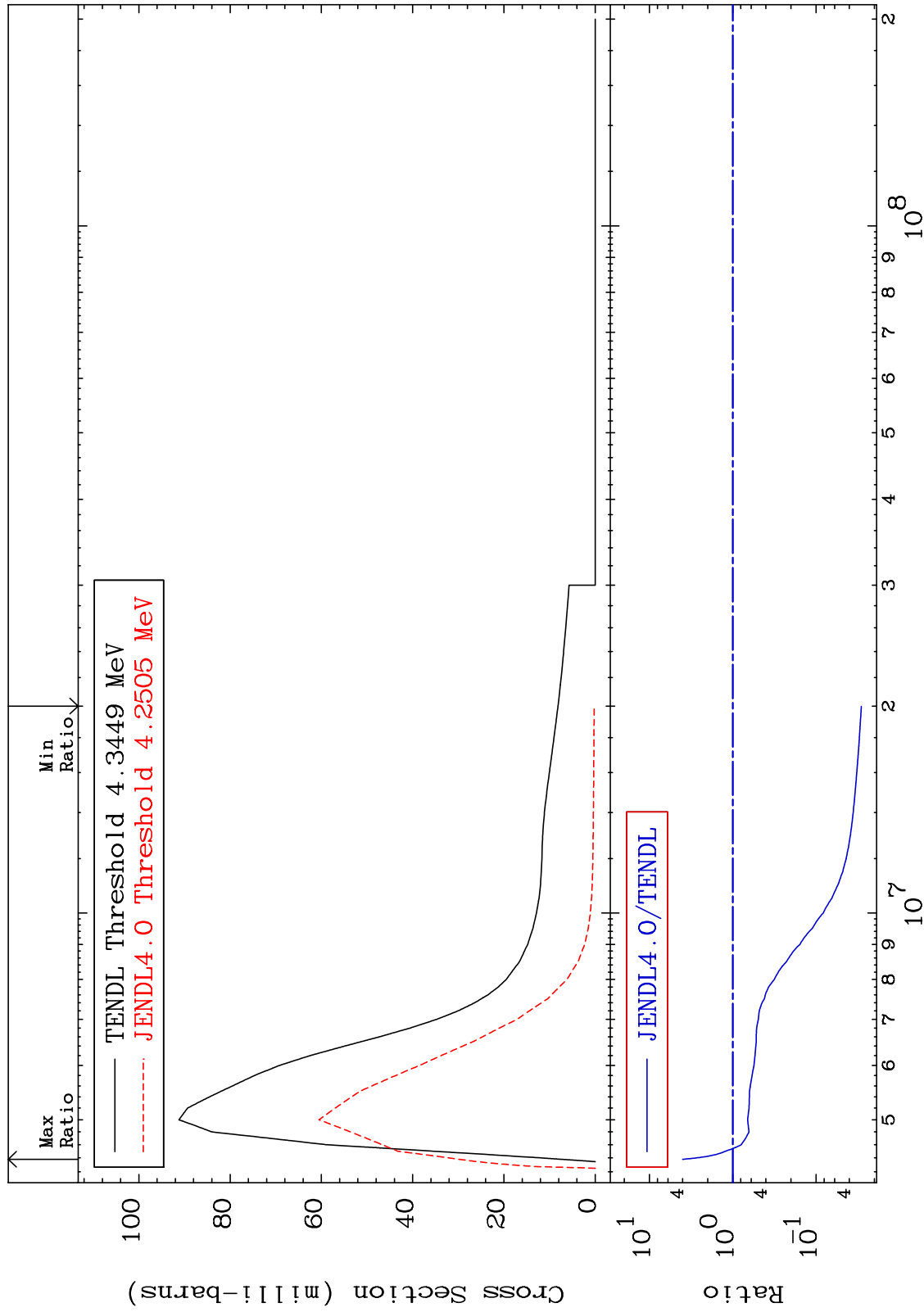
82-Pb-208
-74.07 To 587.6 %



MAT 8237

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

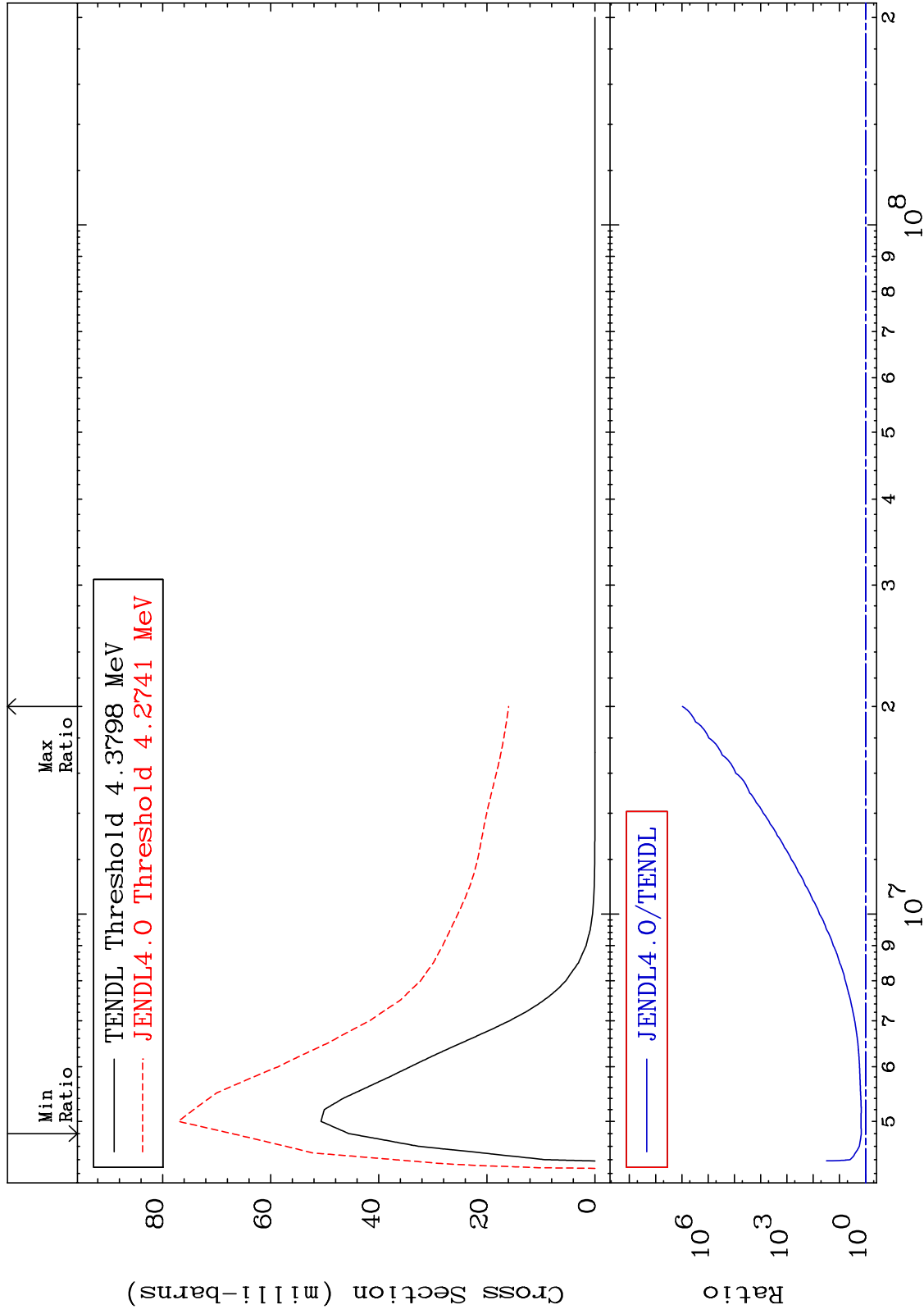
82-Pb-208
-97.13 To 298.6 %



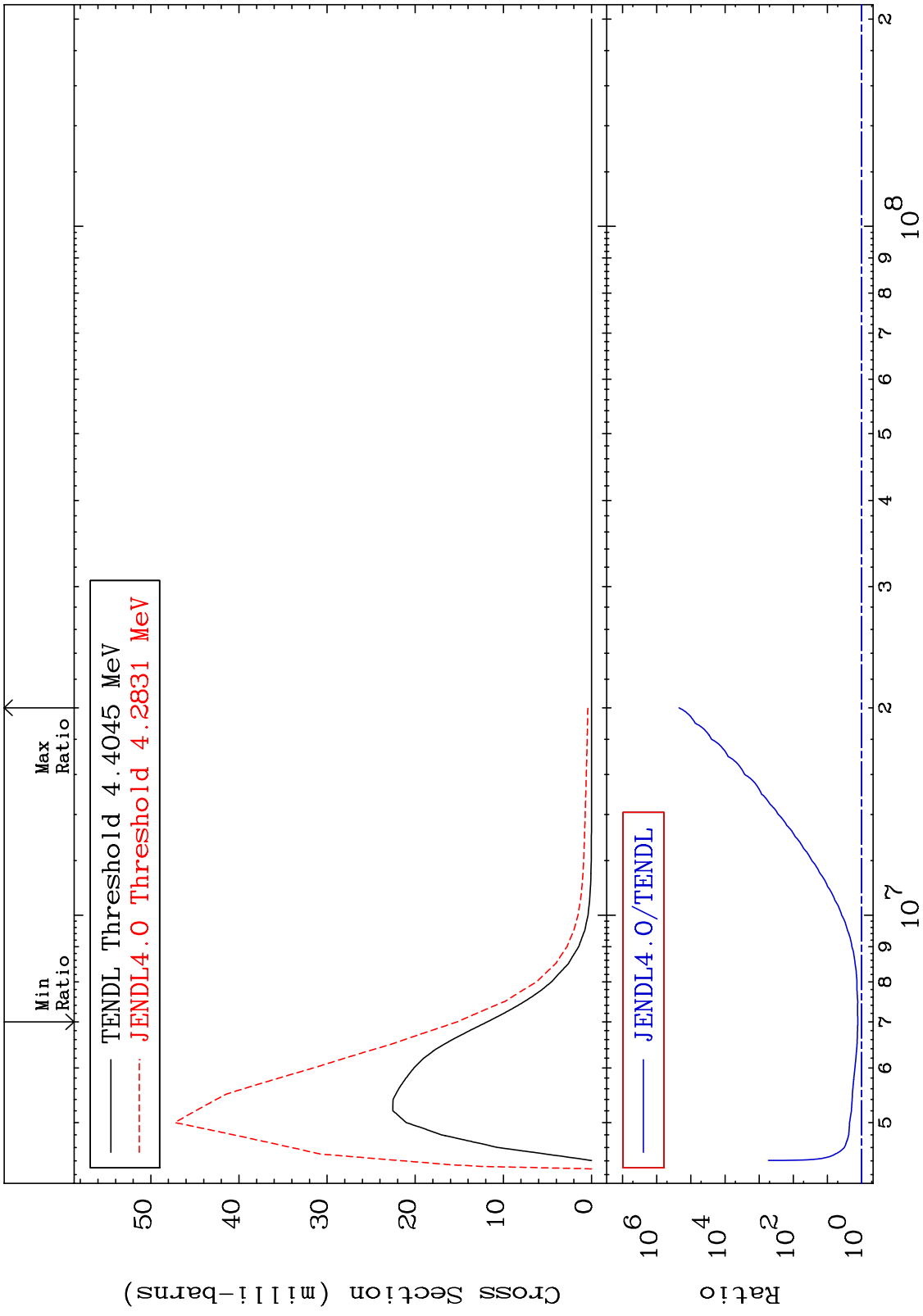
MAT 8237

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

47.44 To 9999. %
82-Pb-208



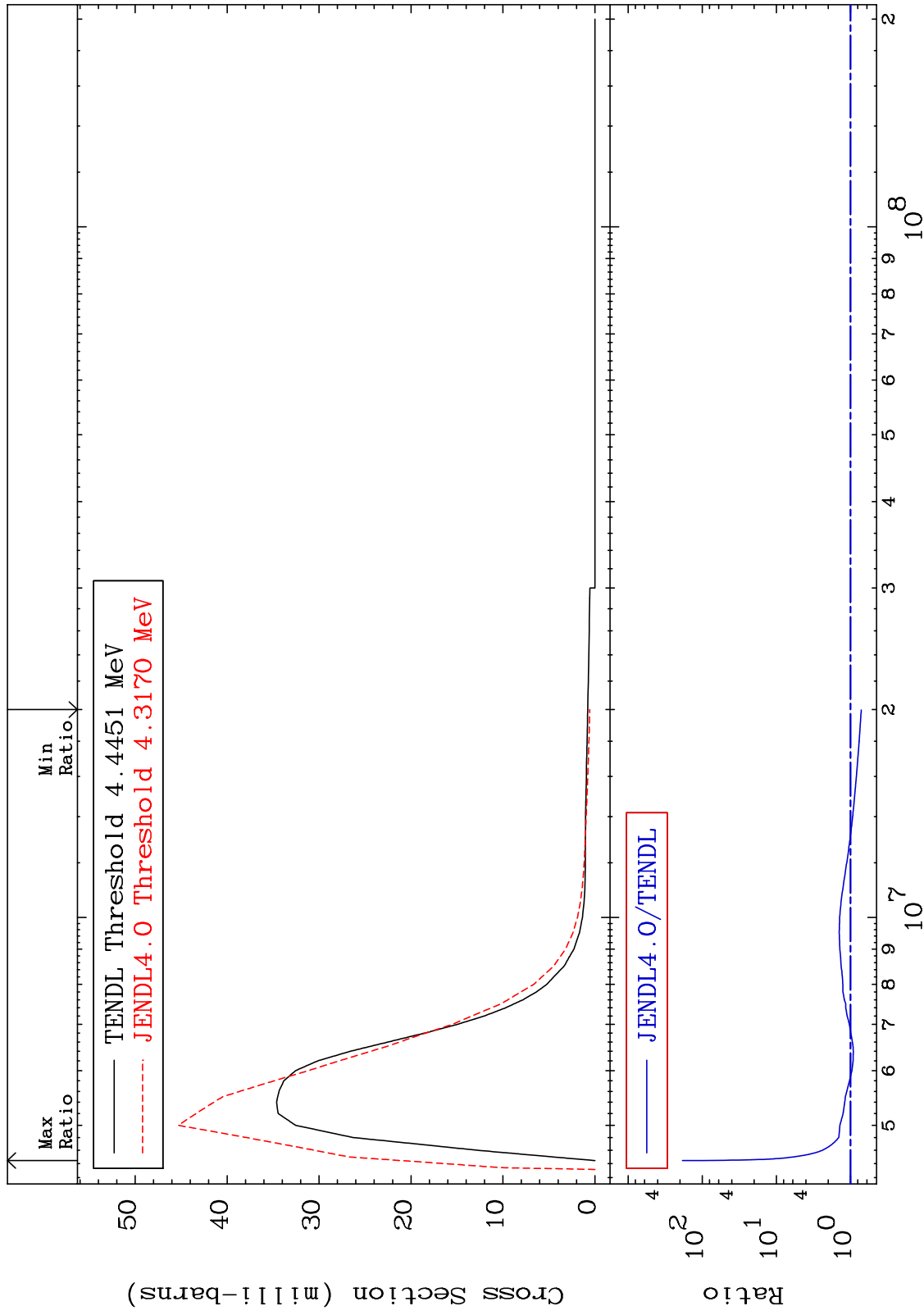
MAT 8237 MT= 72 (n,n') Level Cross Section 82-Pb-208 To 9999. %
 28.85



MAT 8237

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

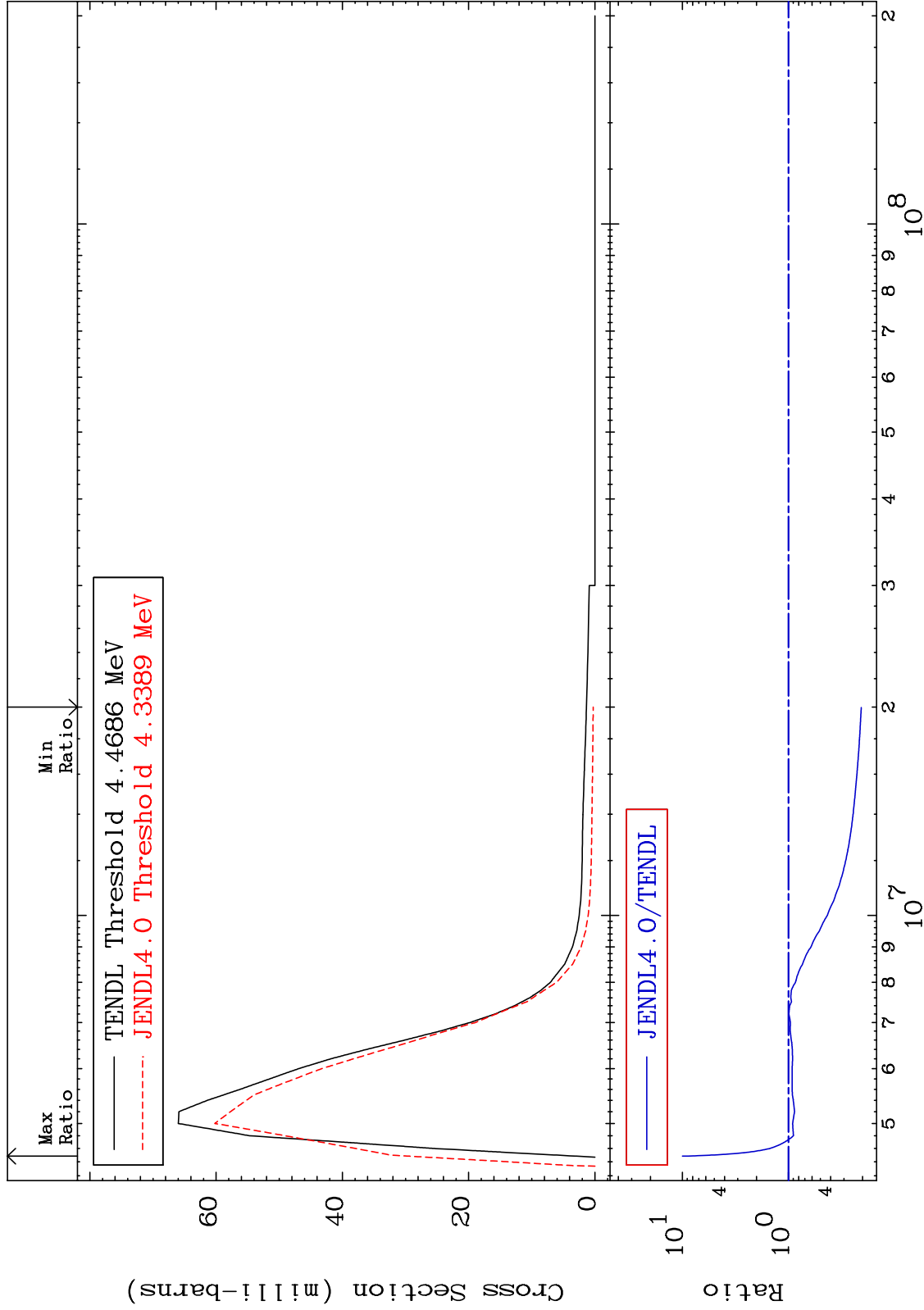
82-Pb-208
-28.42 To 9999. %



MAT 8237

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

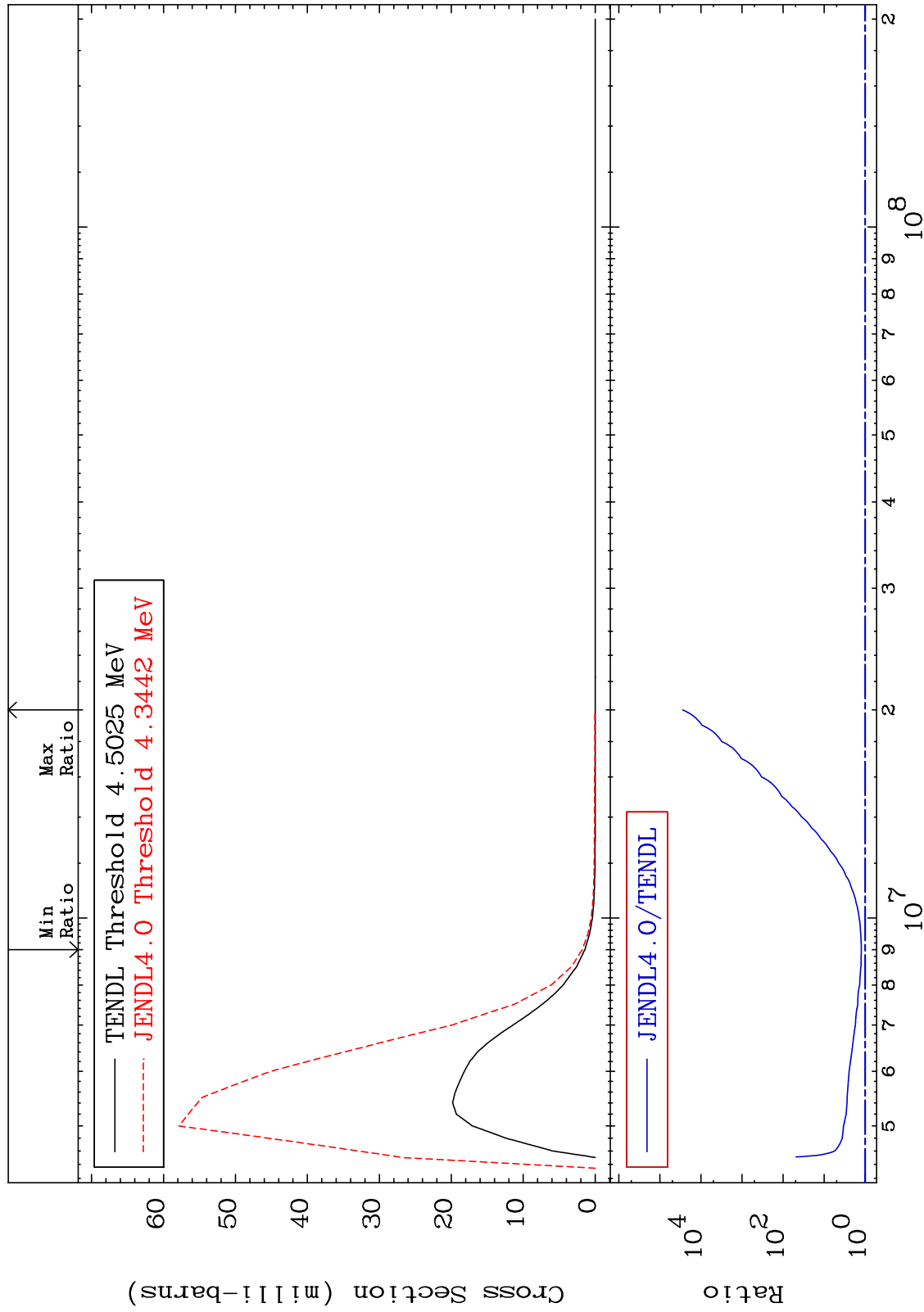
82-Pb-208
-79.43 To 896.9 %



MAT 8237

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

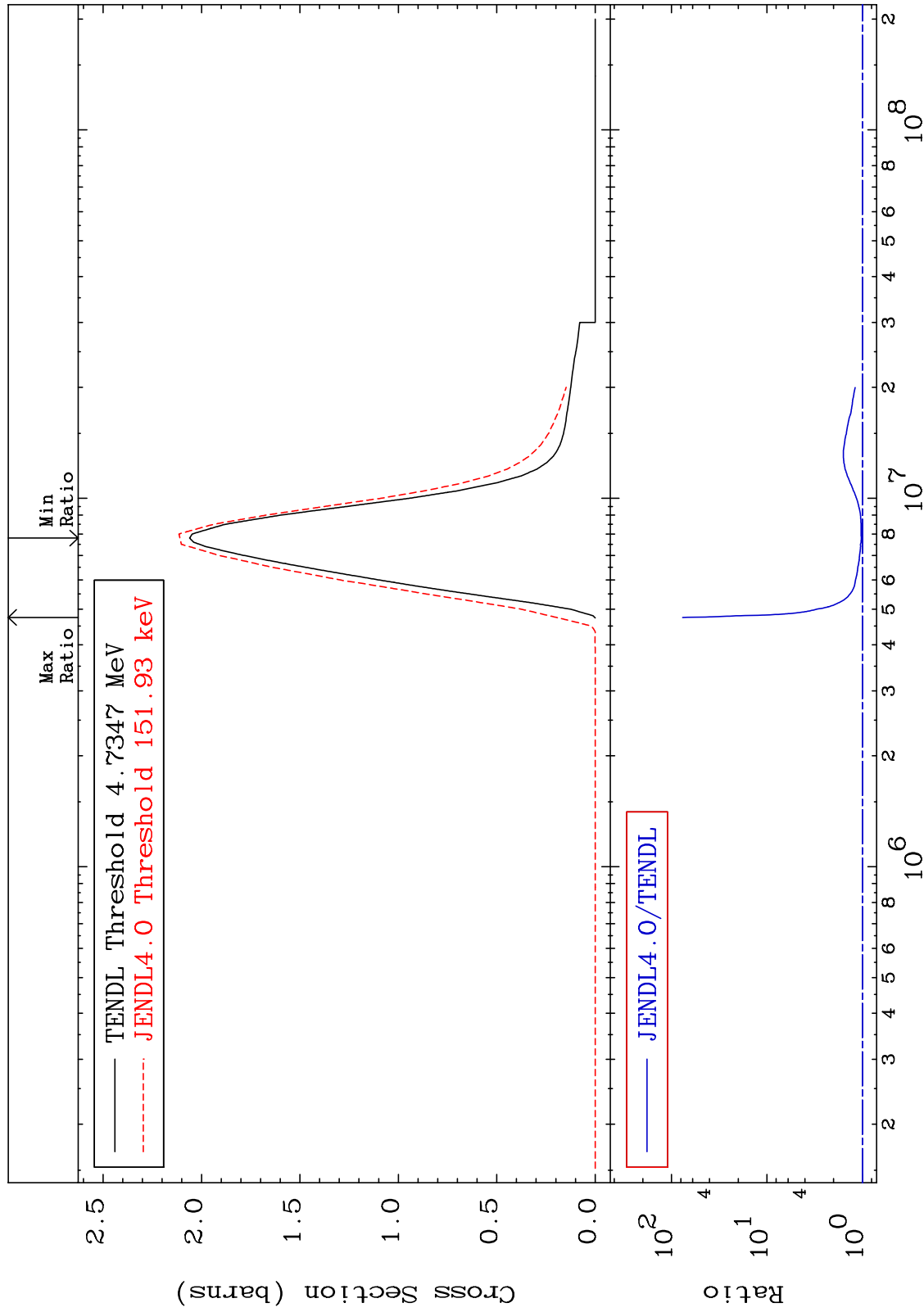
82-Pb-208
24.96 To 9999. %



MAT 8237

(n, n') Continuum
Cross Section

82-Pb-208
2.403 To 7548. %



MAT 8237

(n, γ)

82-Pb-208

Cross Section

-42.88 To 9999. %

Max Ratio

Min Ratio

— TENDL
- - - JENDL4.0

Cross Section (barns)

— JENDL4.0/TENDL

Ratio

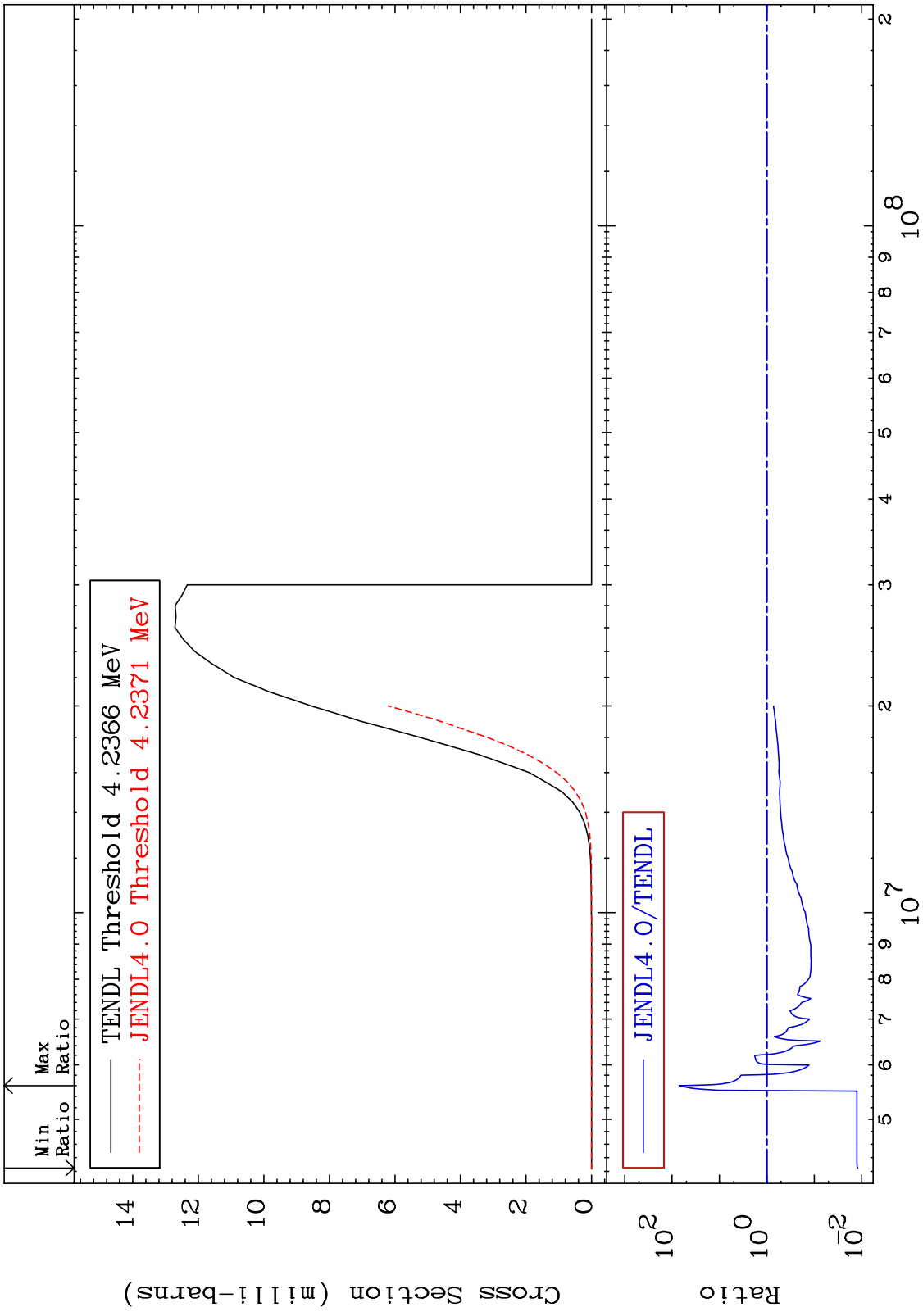
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵
10⁶
10⁴
10²
10⁰

Incident Energy (eV)

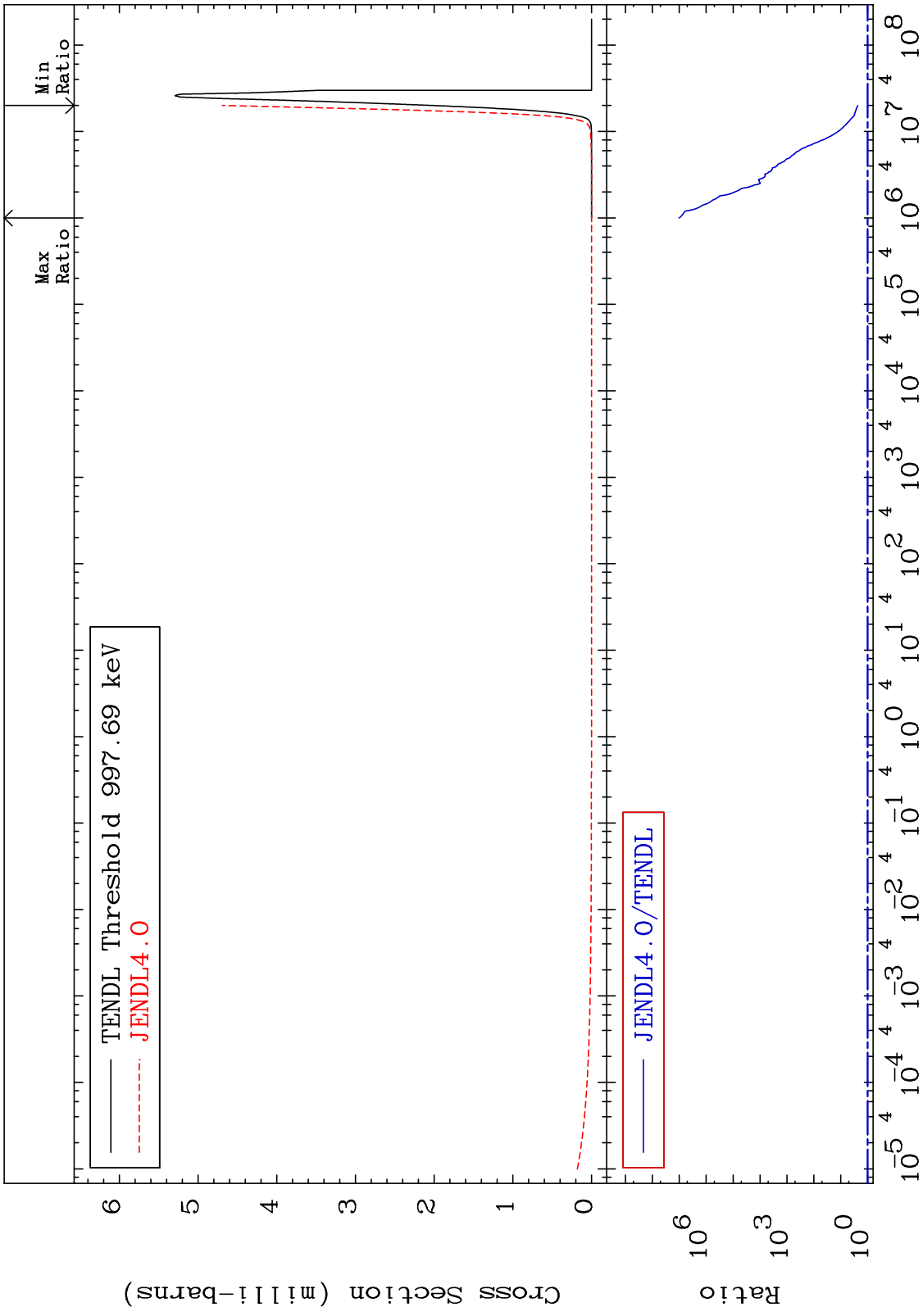
82-Pb-208

34

MAT 8237 (n,p) Cross Section 82-Pb-208 -98.79 To 7028. %



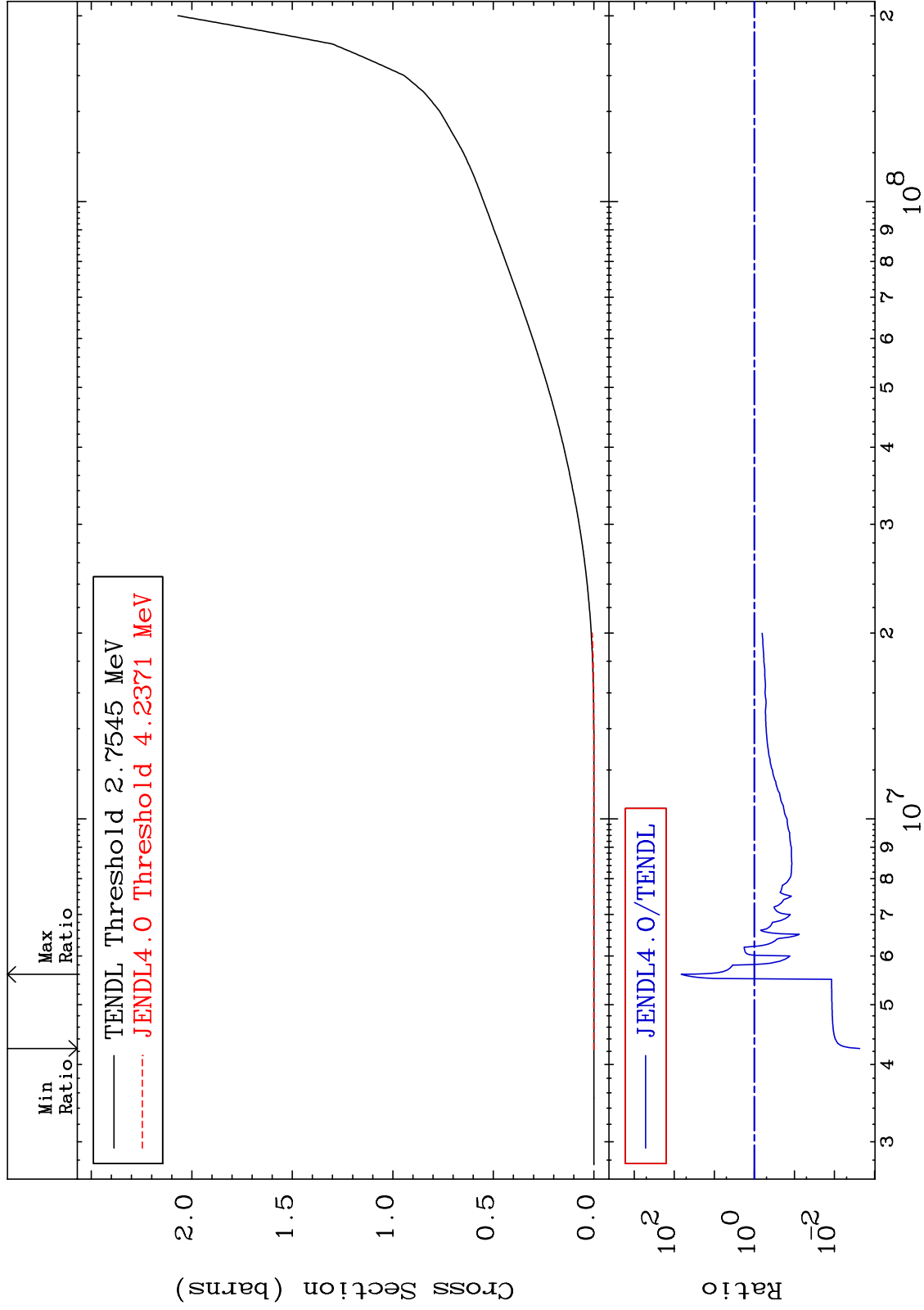
MAT 8237 (n, α) Cross Section 82-Pb-208
 131.3 To 9999. %



MAT 8237

Hydrogen Production
Cross Section

82-Pb-208
-99.77 To 6583. %



37

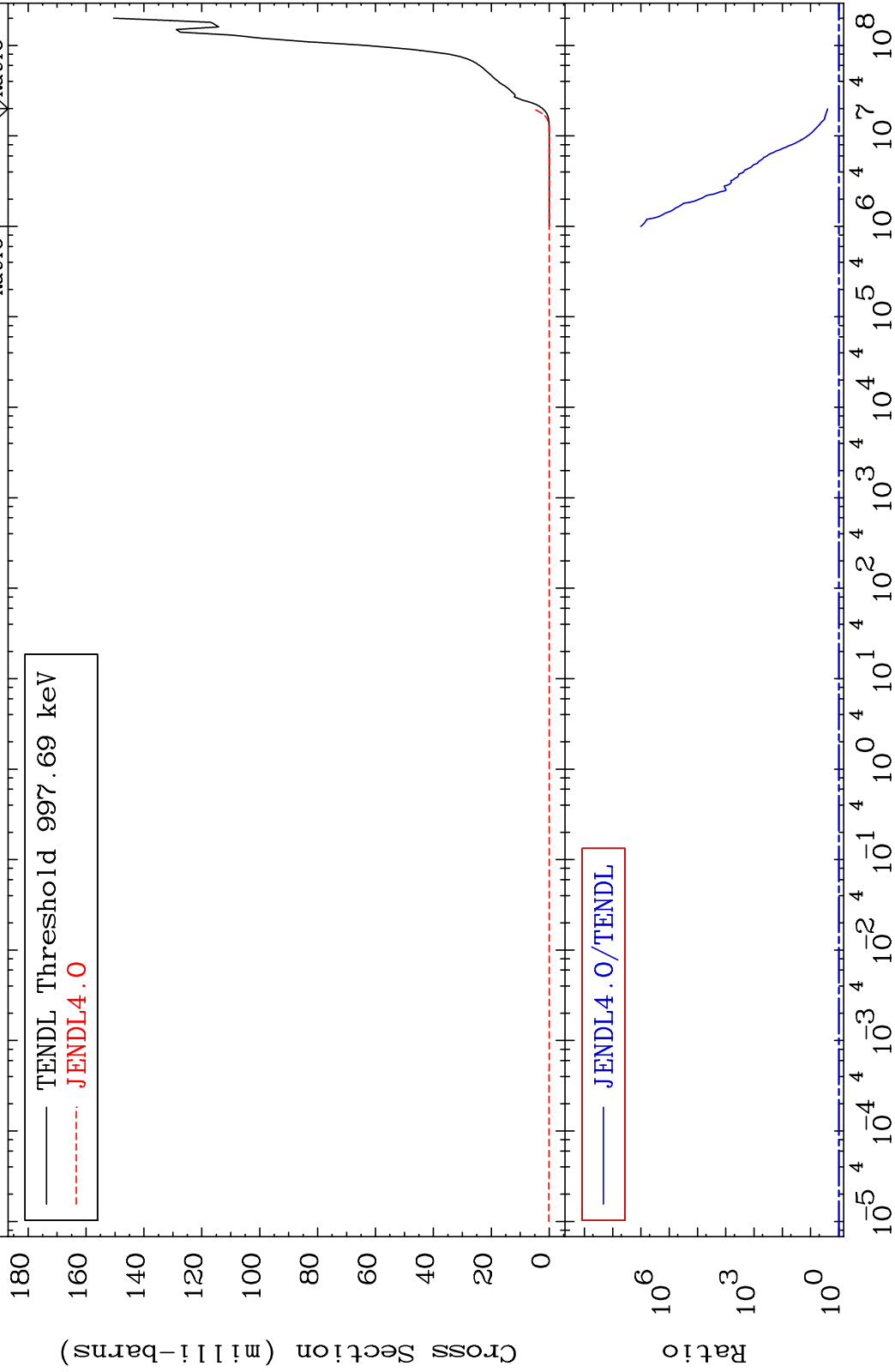
Incident Energy (eV)

82-Pb-208

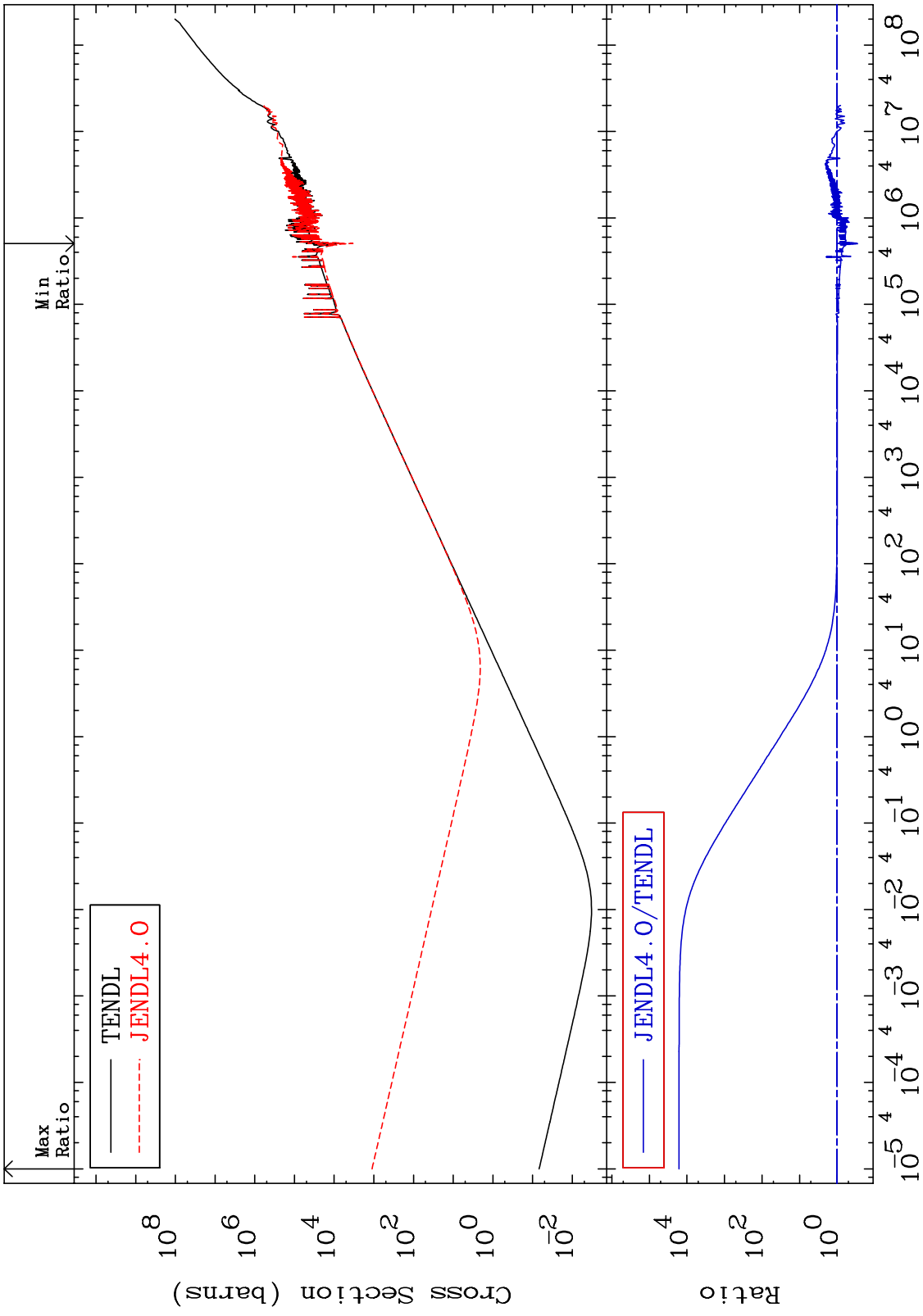
MAT 8237

He-4 Production
Cross Section

148.4 Max Ratio
82-Pb-208 To 9999. %
Min Ratio



MAT 8237 Kerma total (eV-barns) Cross Section 82-Pb-208
 -71.95 To 9999. %

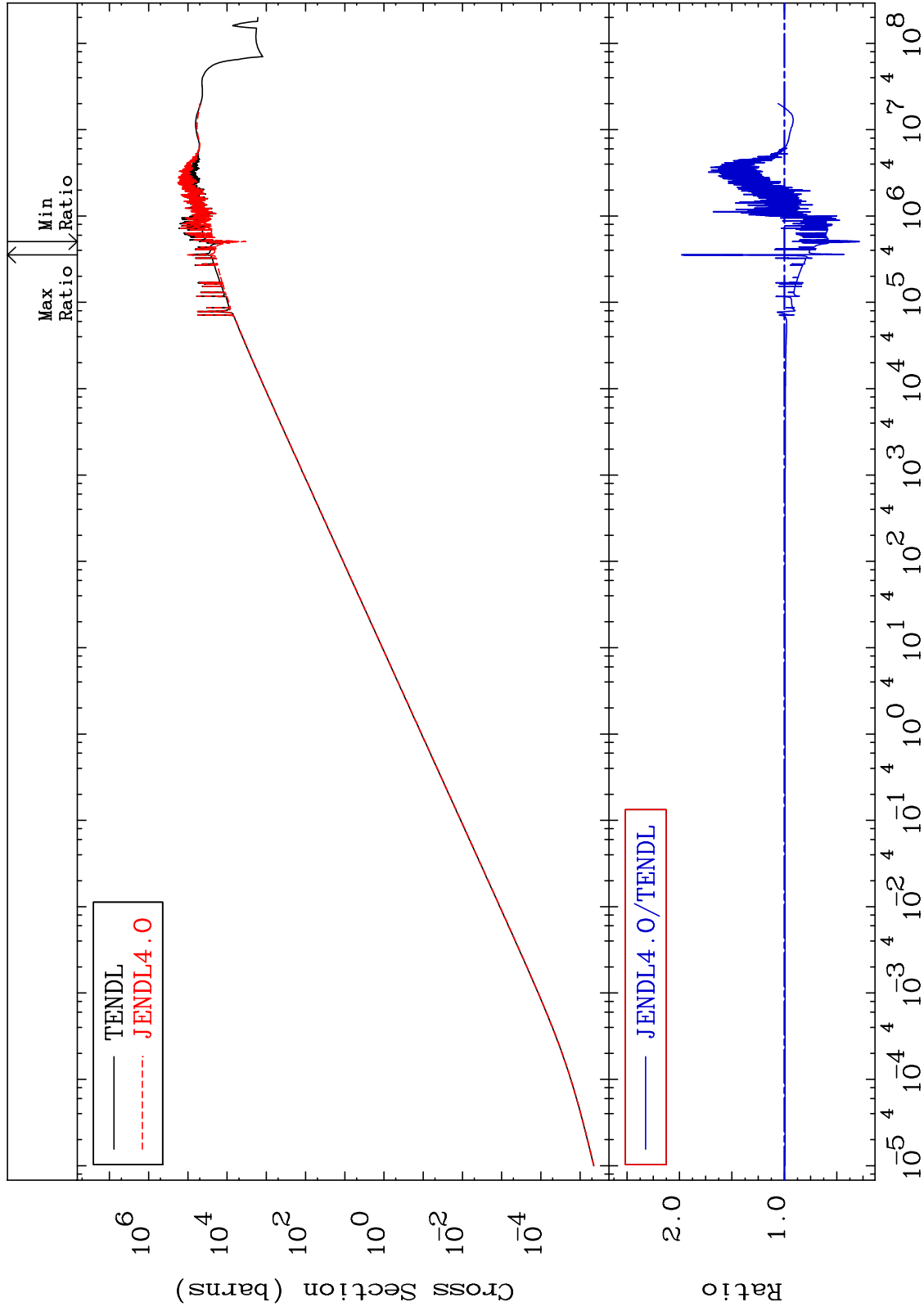


39 Incident Energy (eV) 82-Pb-208

MAT 8237

Kerma elastic
Cross Section

82-Pb-208
-71.95 To 98.34 %



40

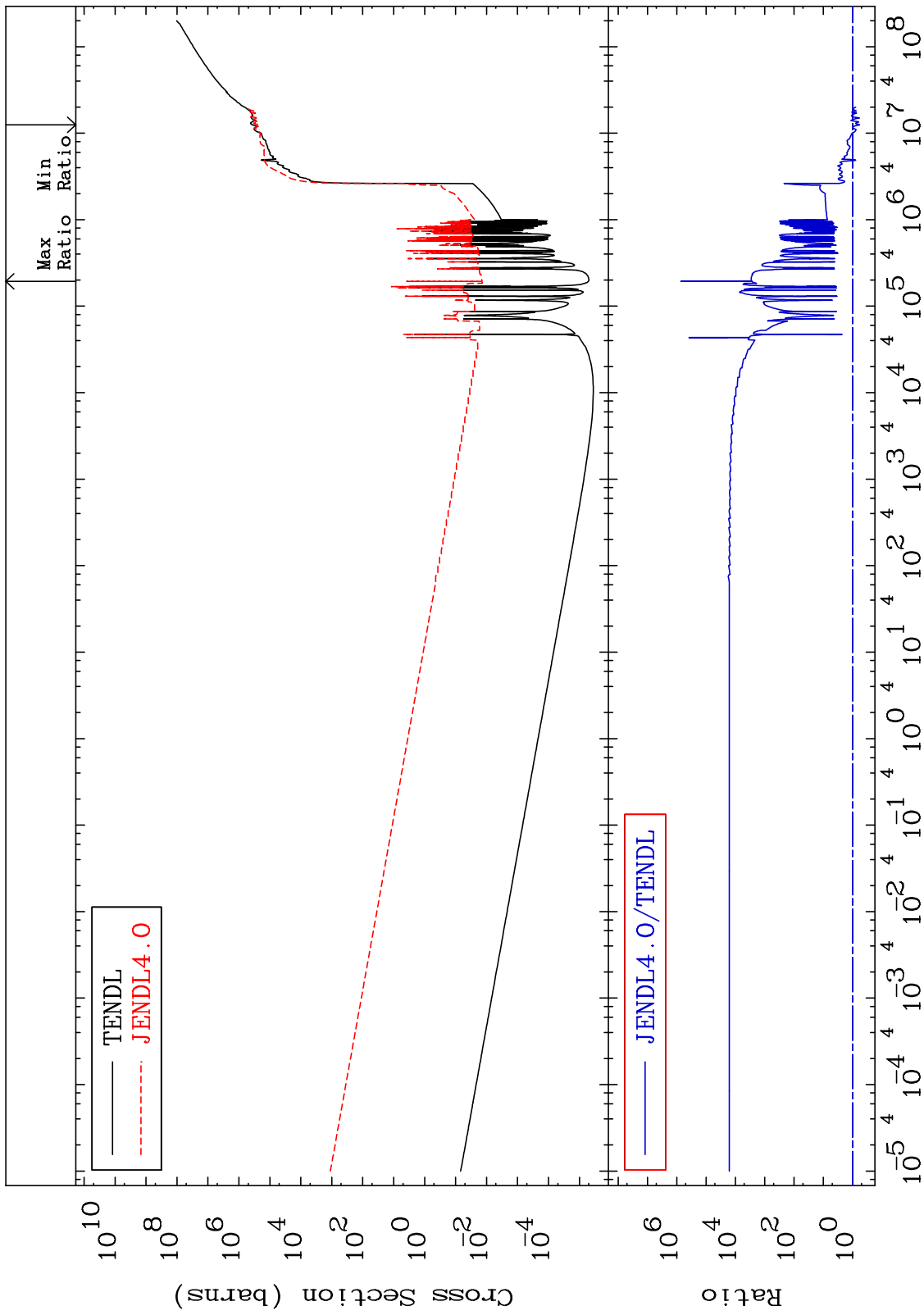
Incident Energy (eV)

82-Pb-208

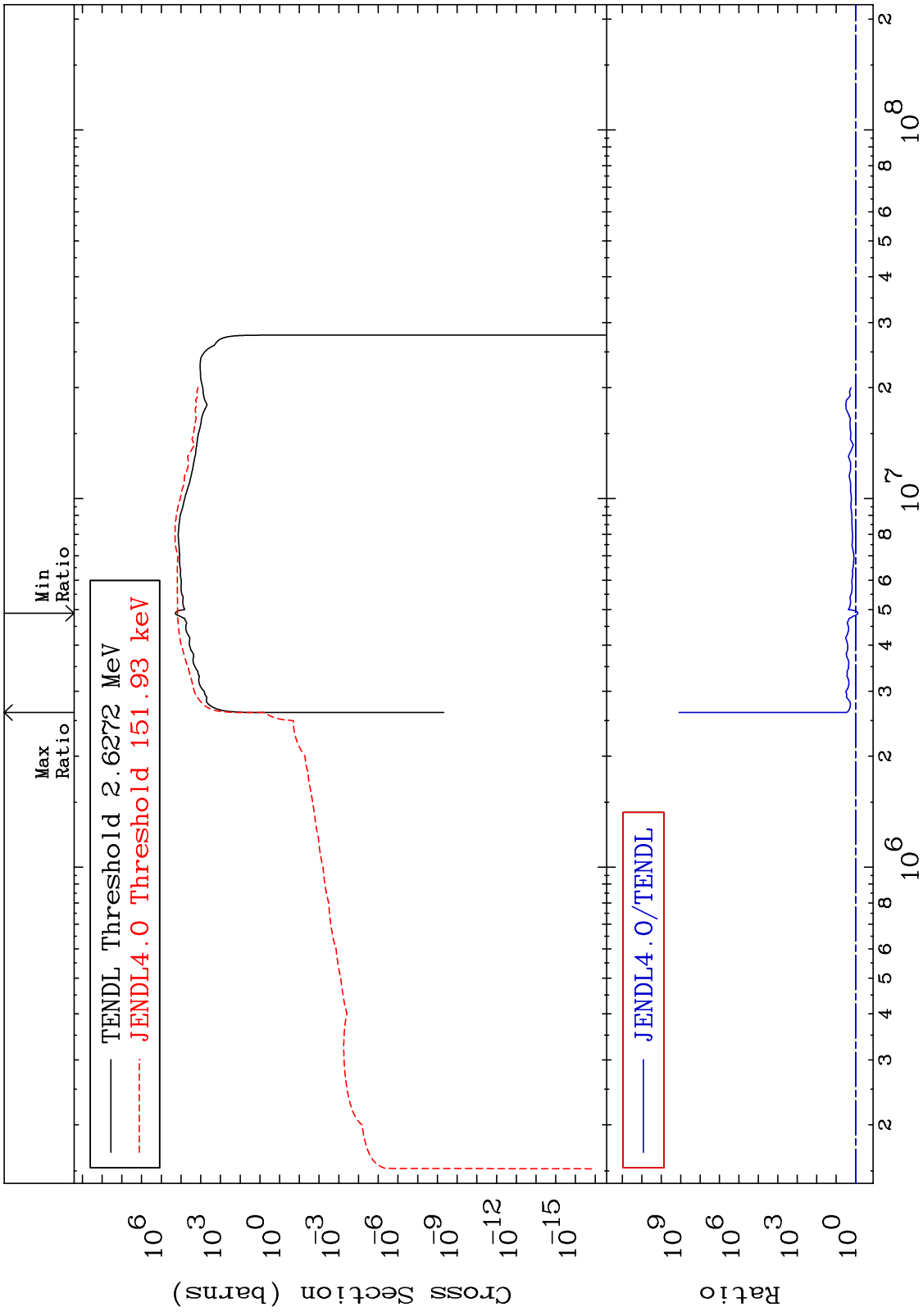
MAT 8237

Kerma non-elastic (all but mt2)
Cross Section

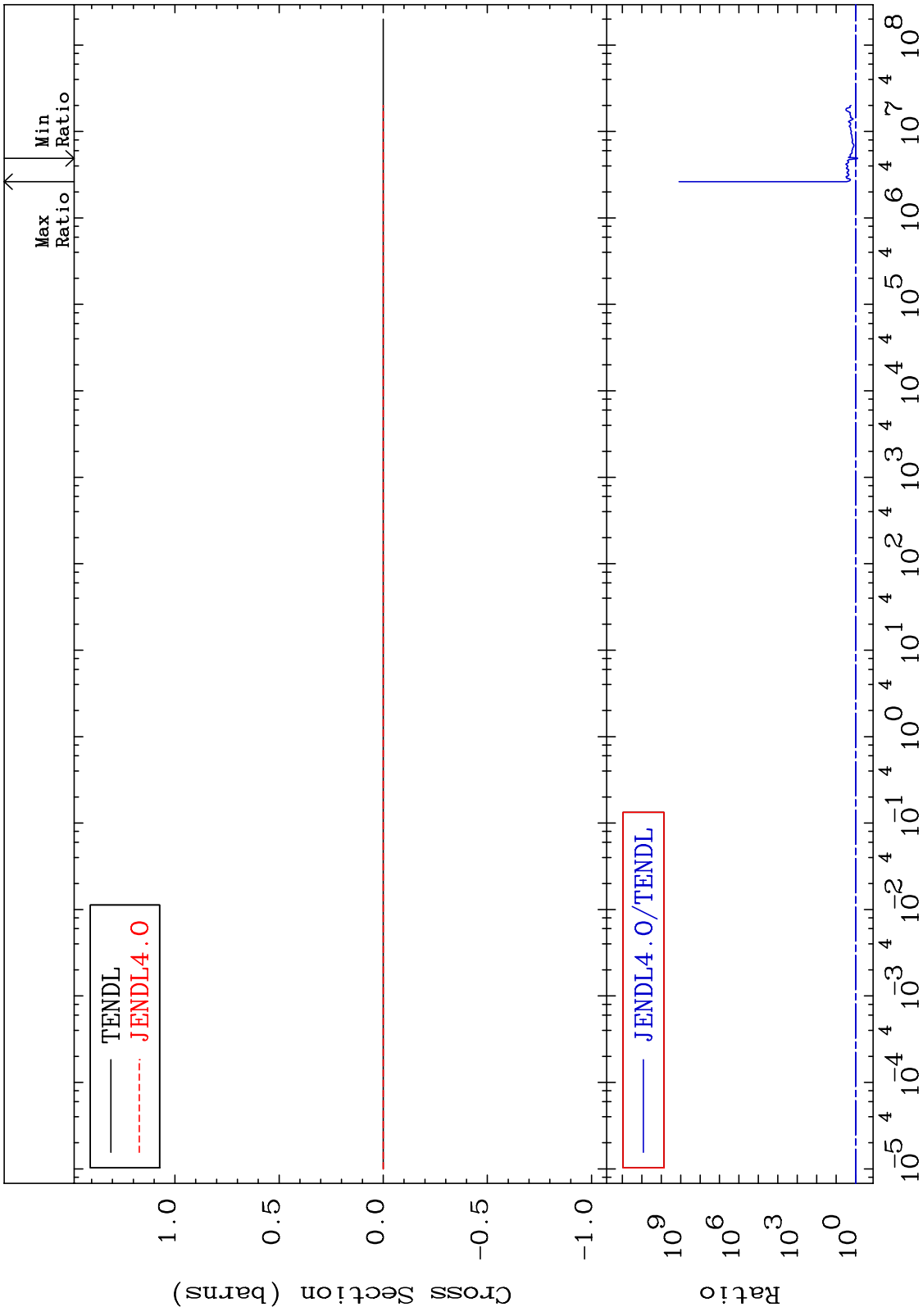
82-Pb-208
-42.03 To 9999. %



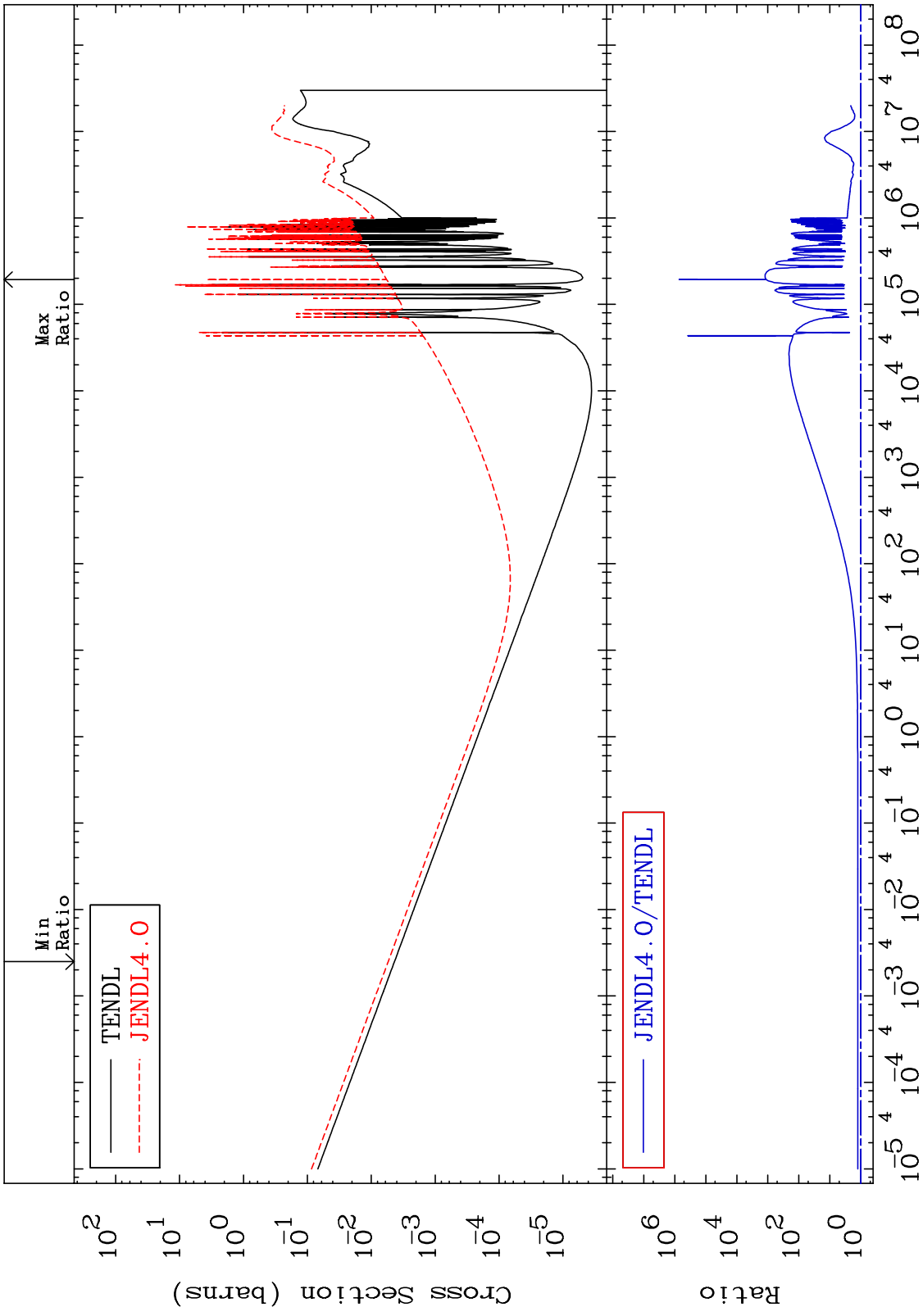
MAT 8237 Kerma inelastic (mt51-91) 82-Pb-208
 Cross Section -22.39 To 9999. %



MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208
 Cross Section -22.39 To 9999. %



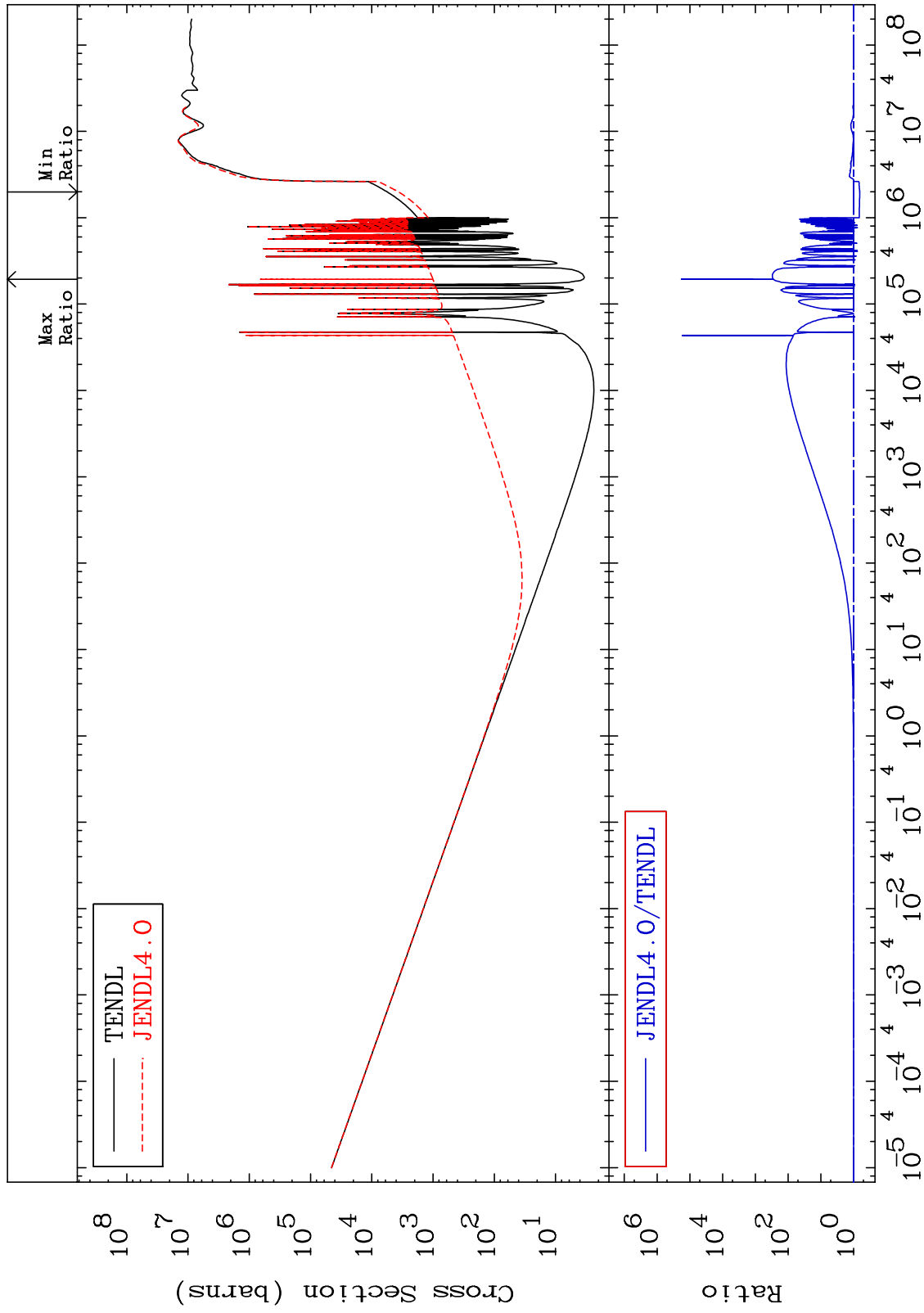
MAT 8237 Kerma capture (mt102) 82-Pb-208
 Cross Section 25.40 To 9999. %



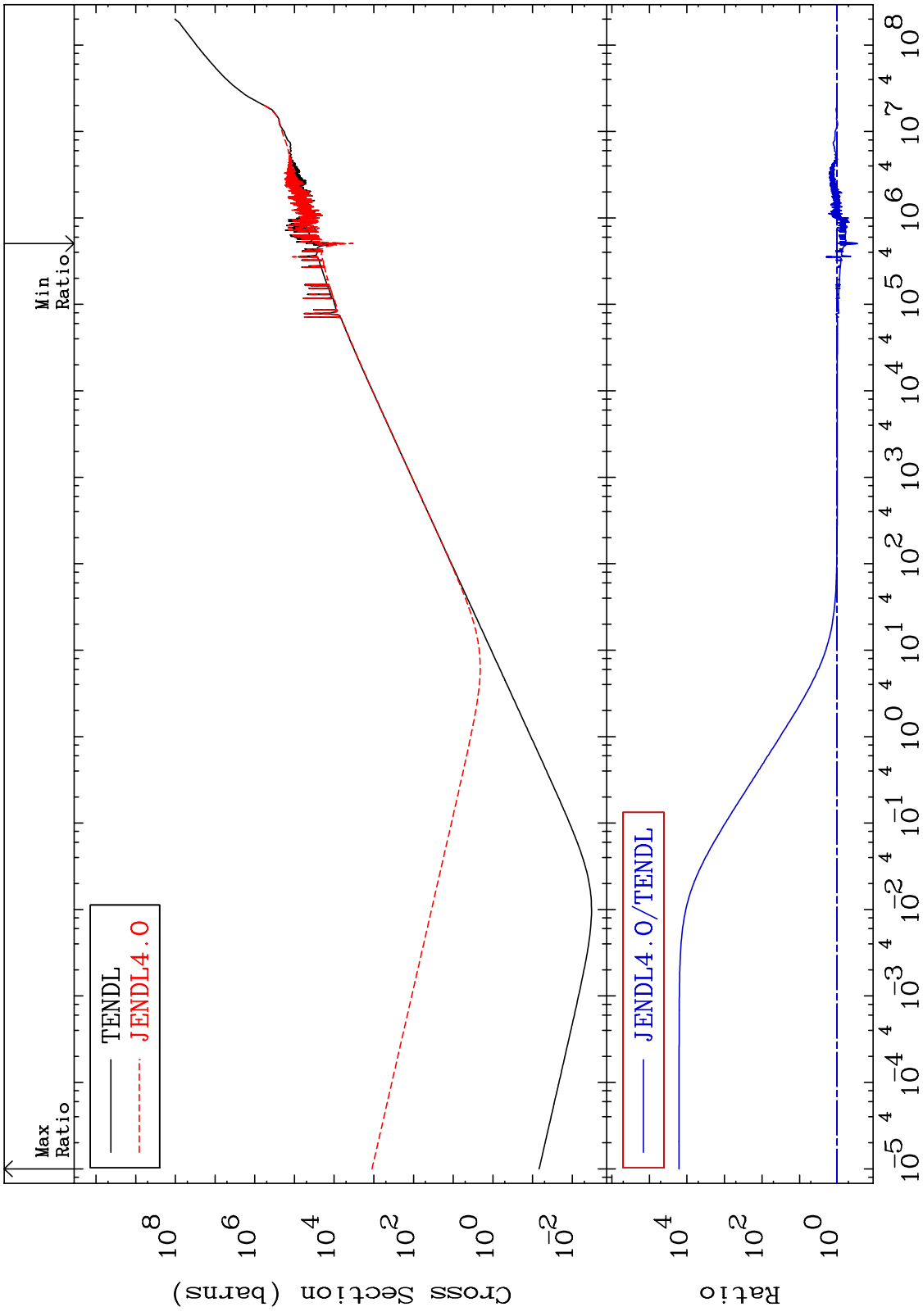
MAT 8237

Total photon (eV-barns)
Cross Section

82-Pb-208
-34.99 To 9999. %



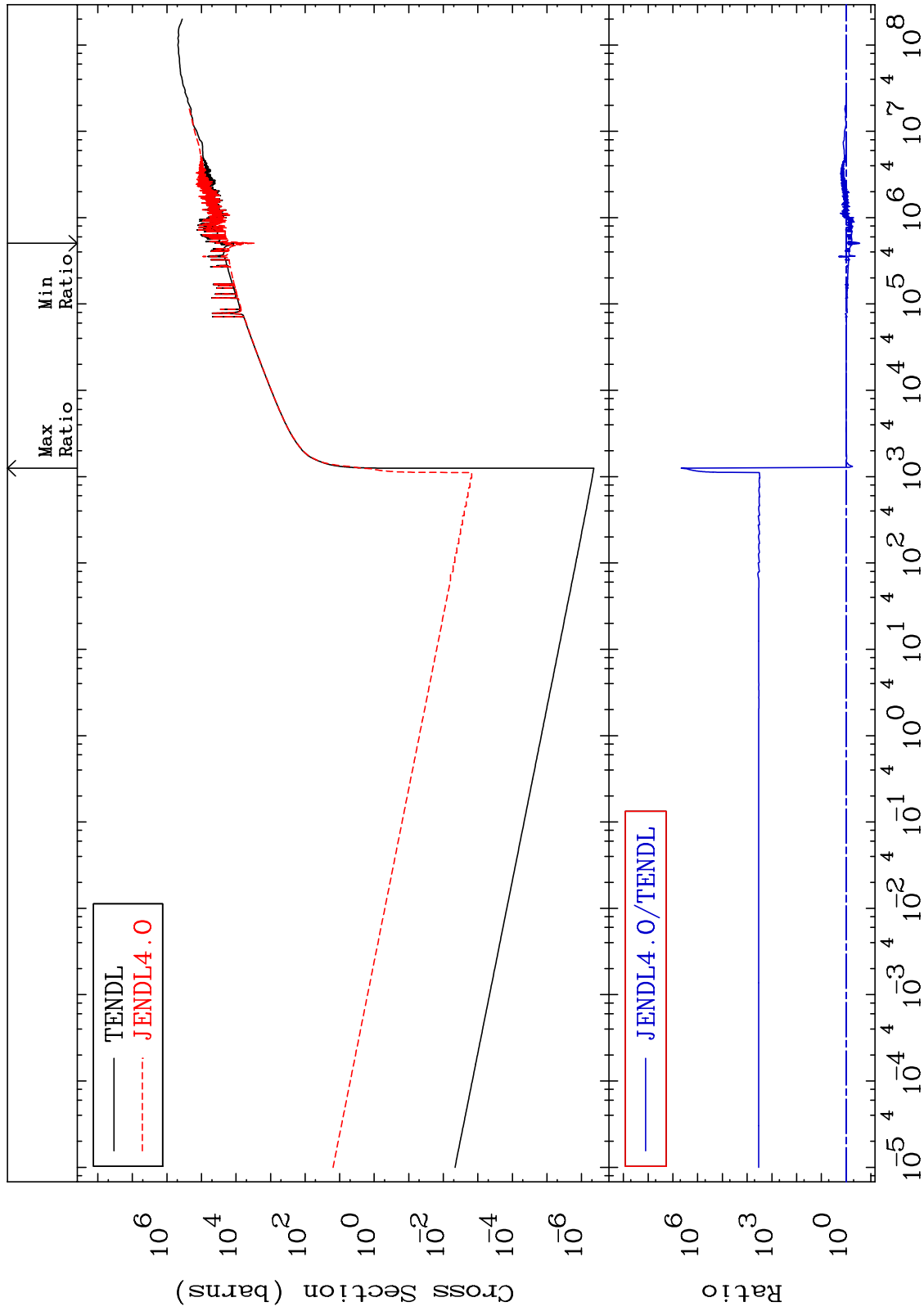
MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
 Cross Section -71.95 To 9999. %



MAT 8237

Dpa total (eV-barns)
Cross Section

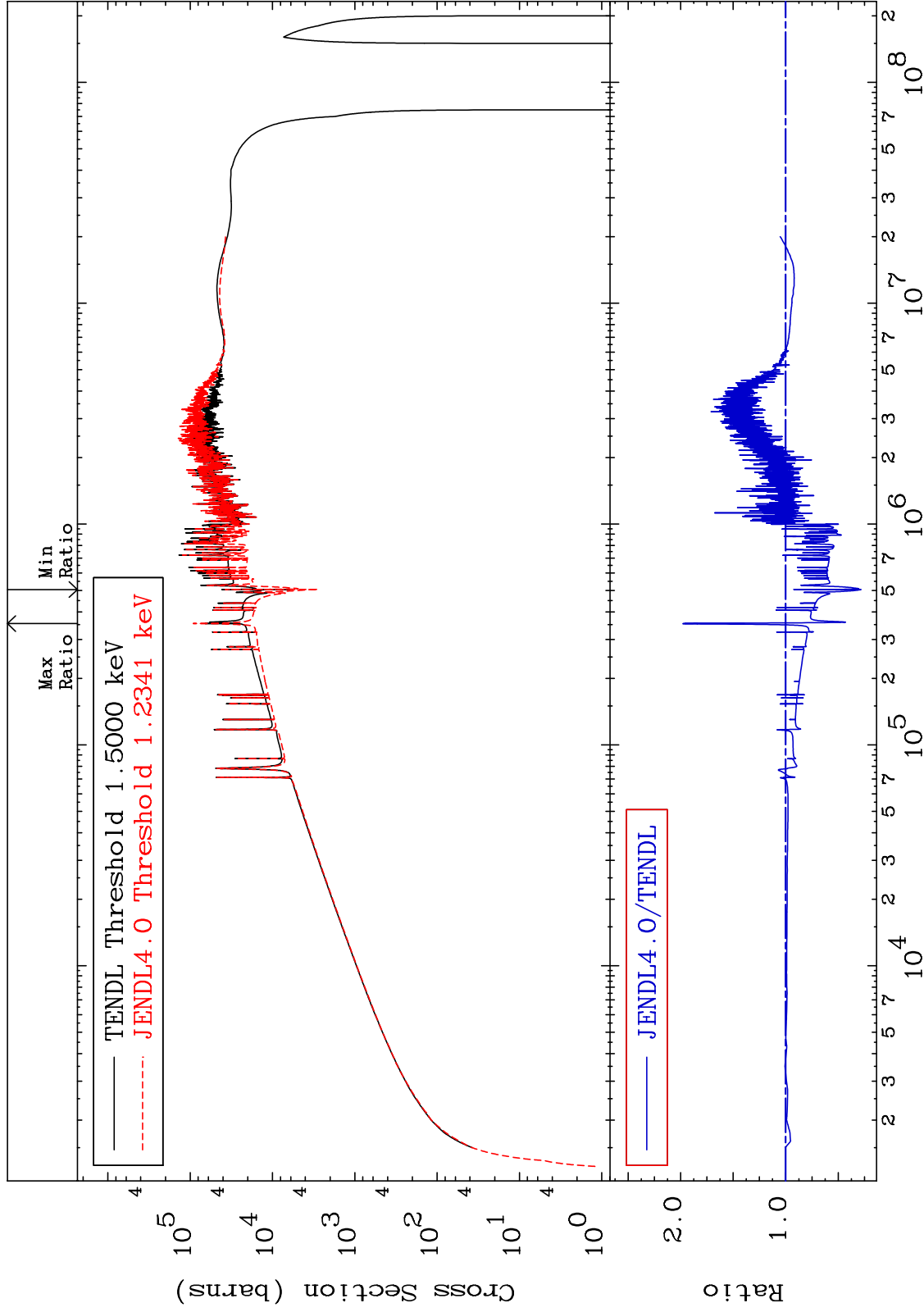
82-Pb-208
-71.97 To 9999. %



MAT 8237

Dpa elastic (mt2)
Cross Section

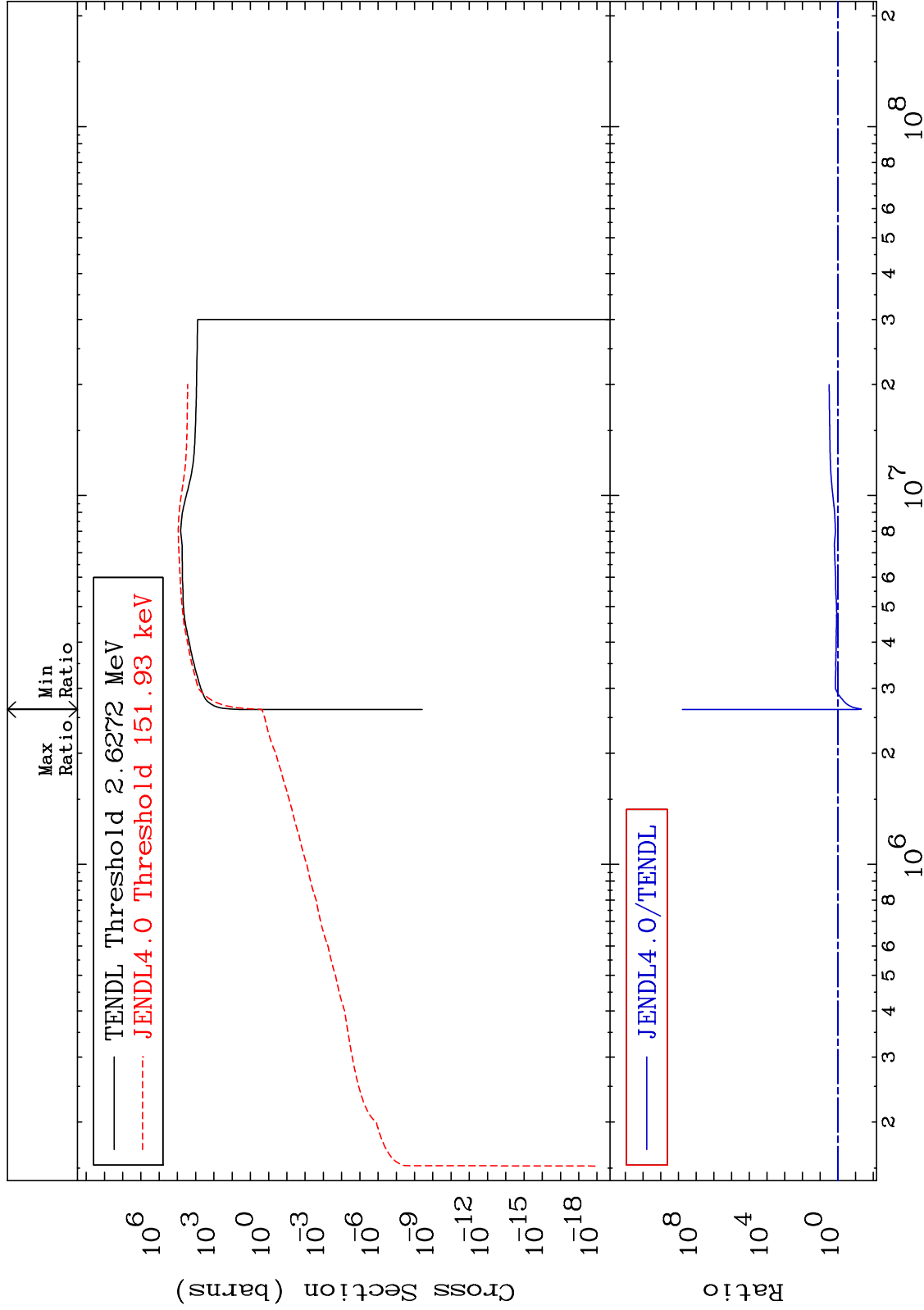
82-Pb-208
-71.97 To 98.28 %



MAT 8237

Dpa inelastic (mt51-91)
Cross Section

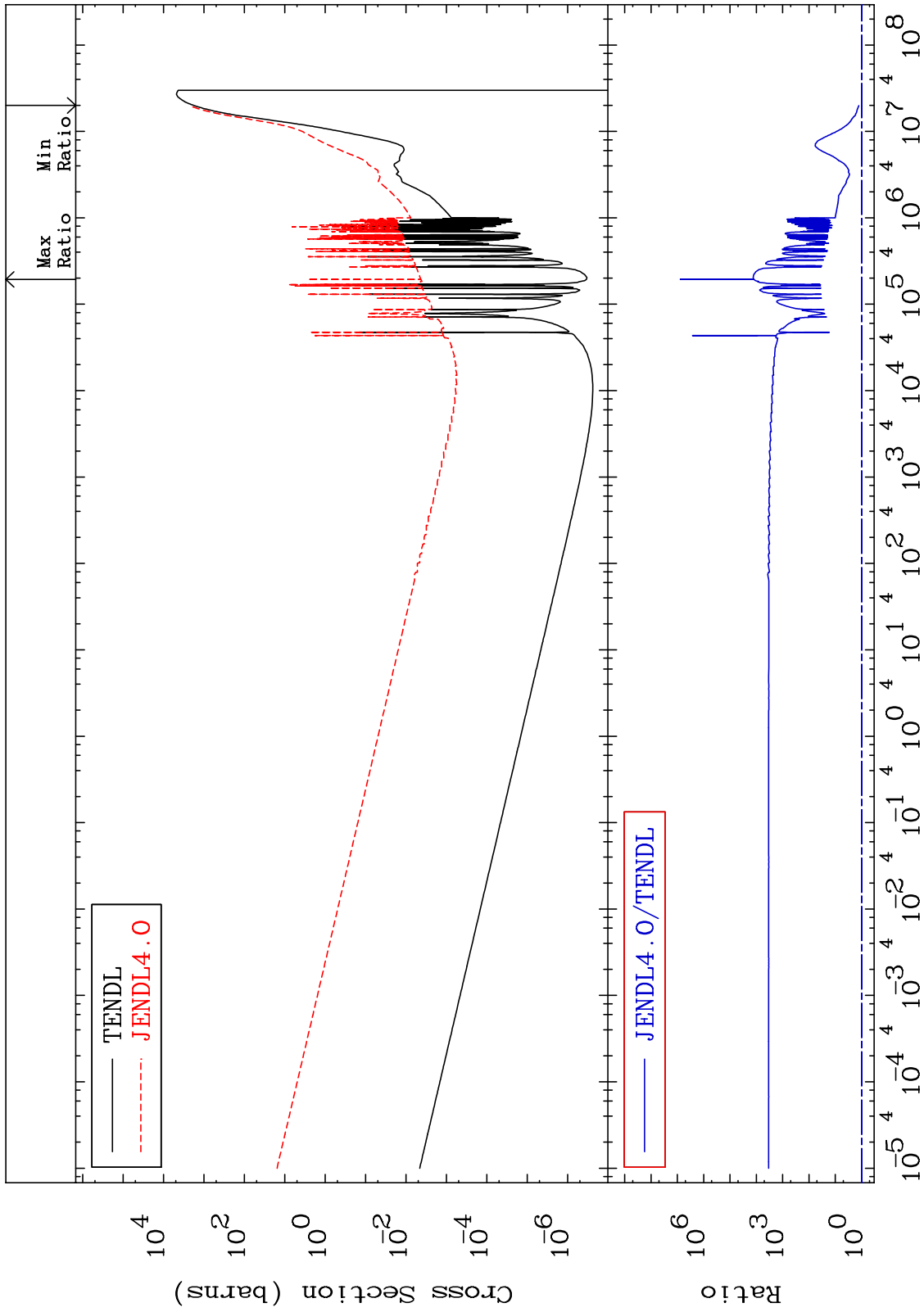
82-Pb-208
-95.31 To 9999. %



MAT 8237

Dpa disappearance (mt102 -120)
Cross Section

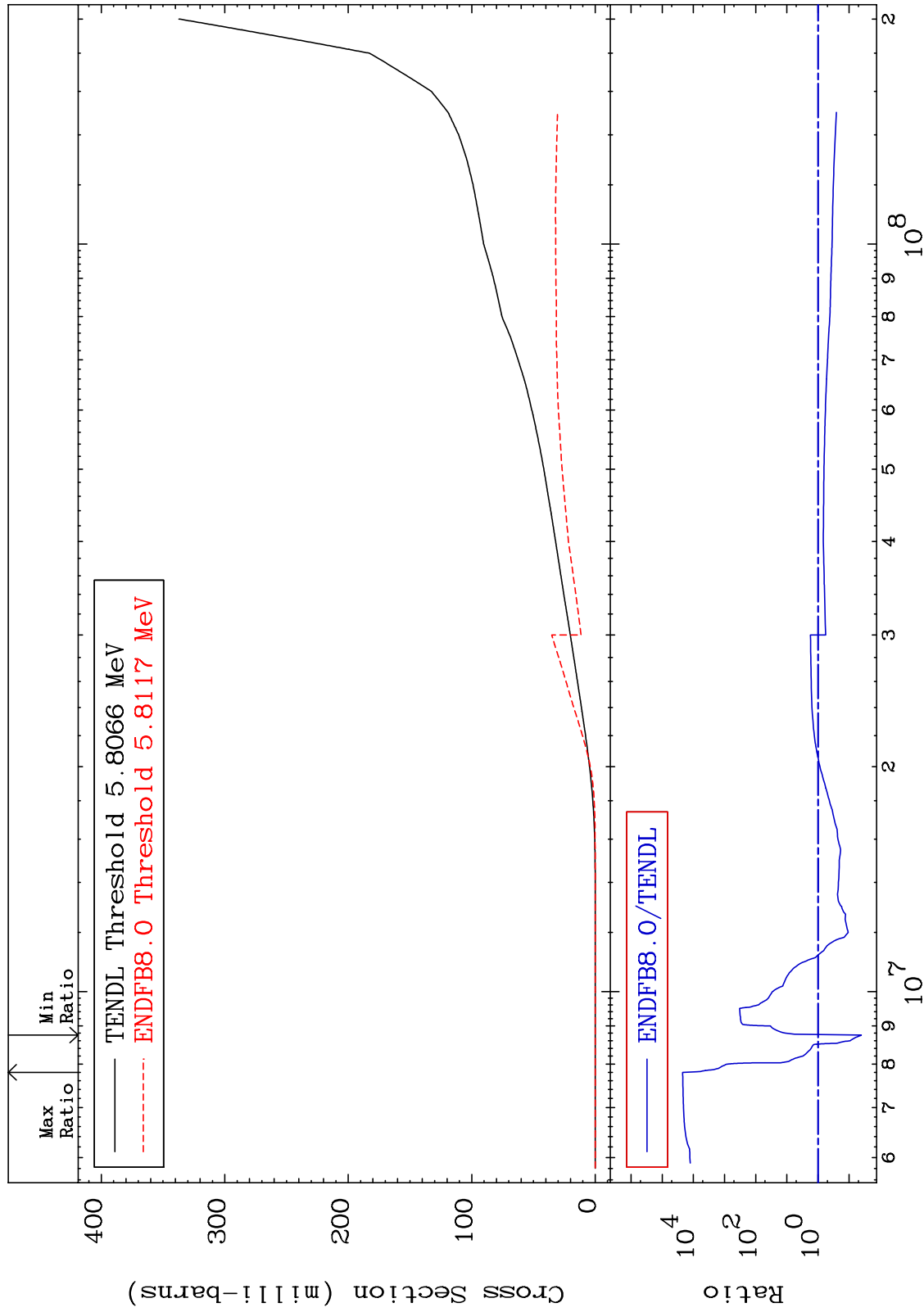
82-Pb-208
27.49 To 9999. %

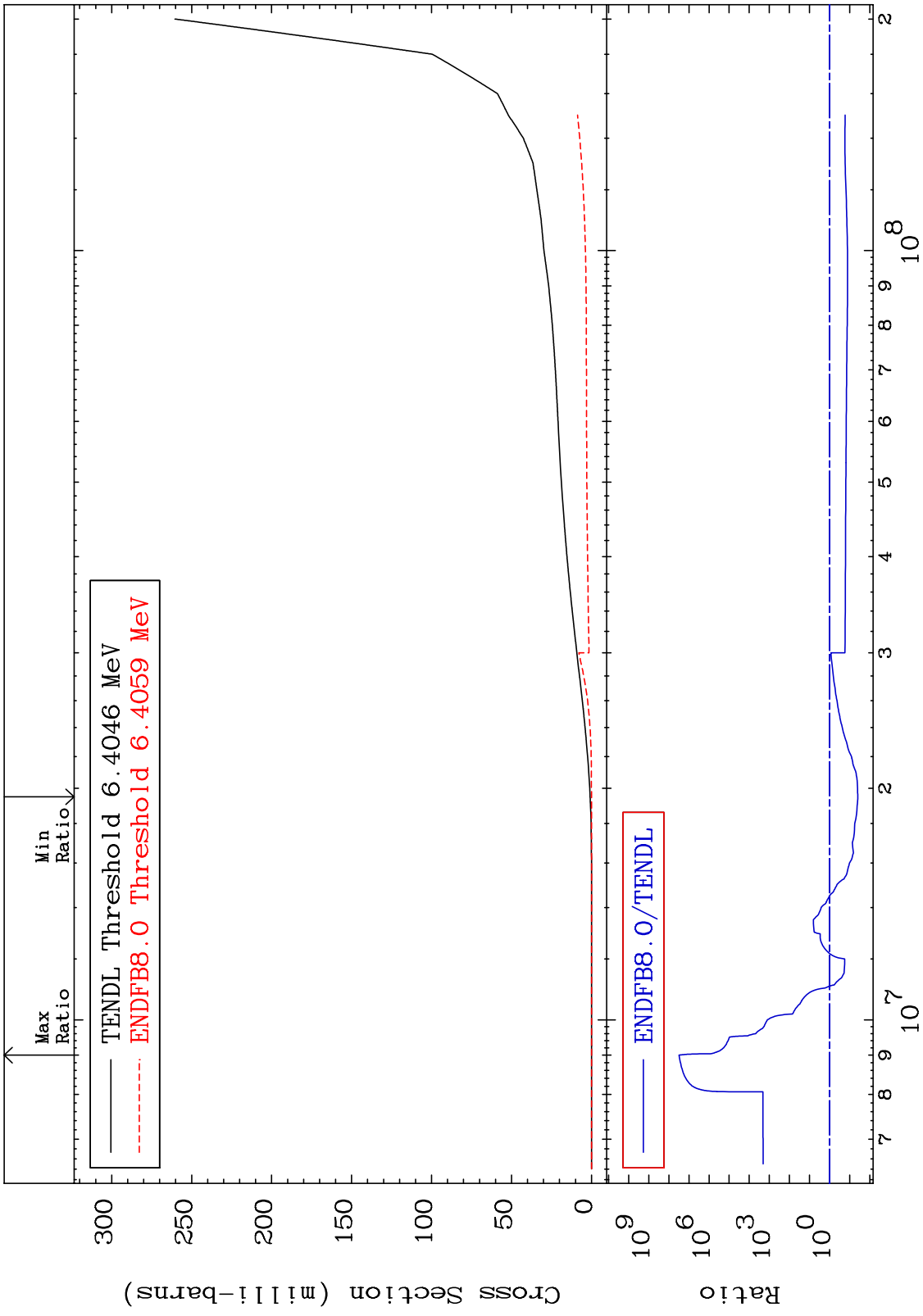


MAT 8237

Deuterium Production
Cross Section

82-Pb-208
-95.93 To 9999. %

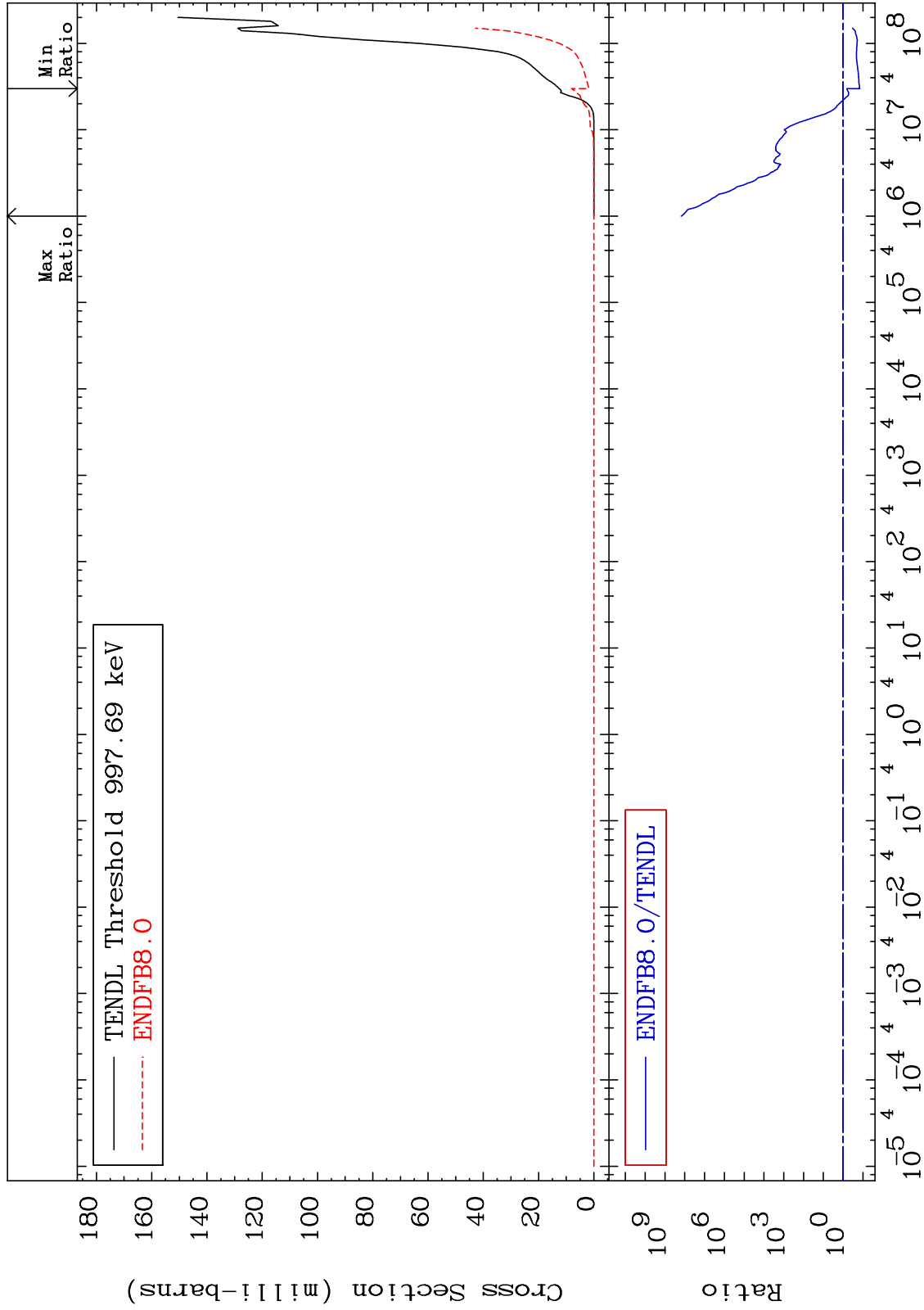




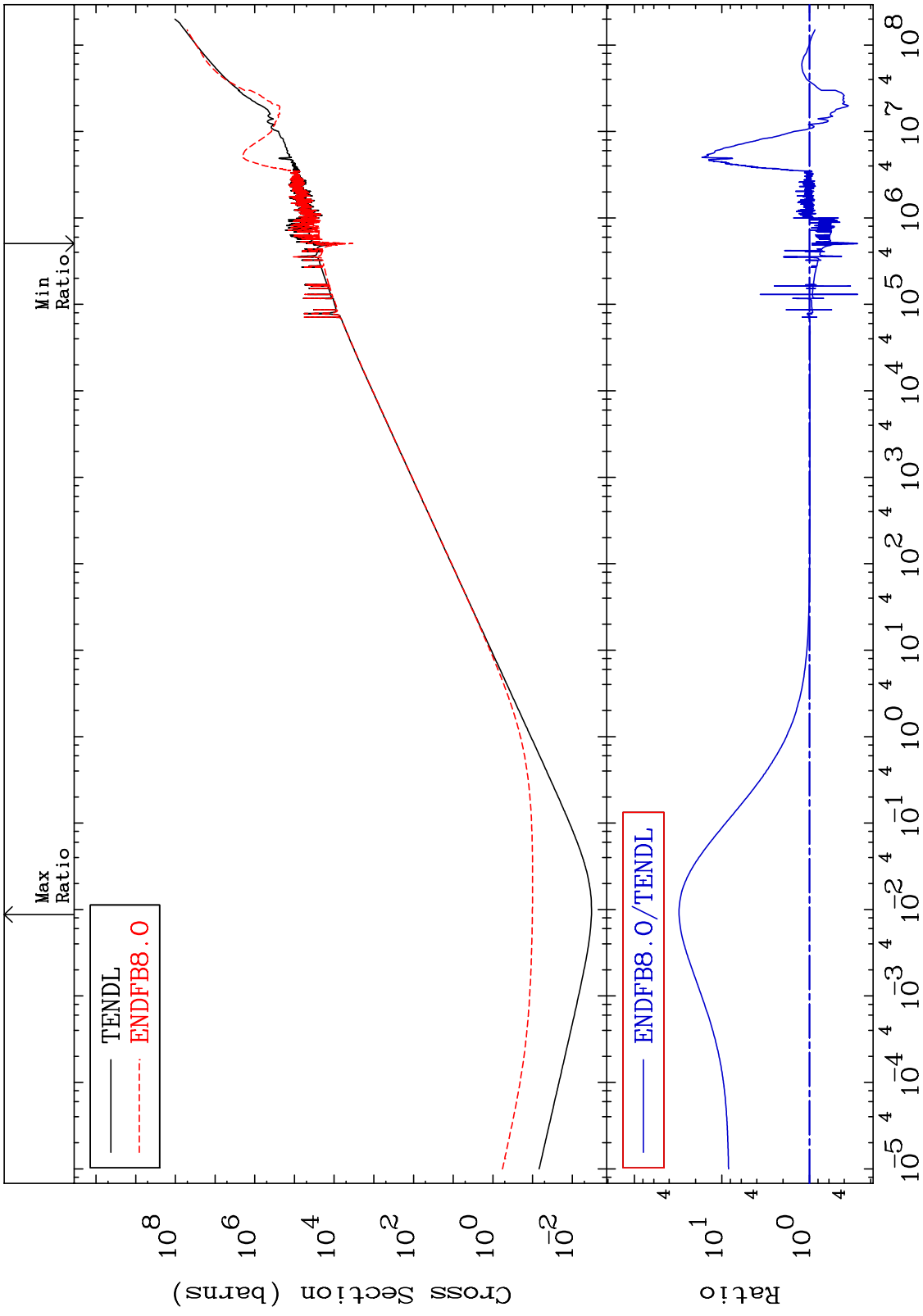
MAT 8237

He-4 Production
Cross Section

82-Pb-208
-85.61 To 9999. %



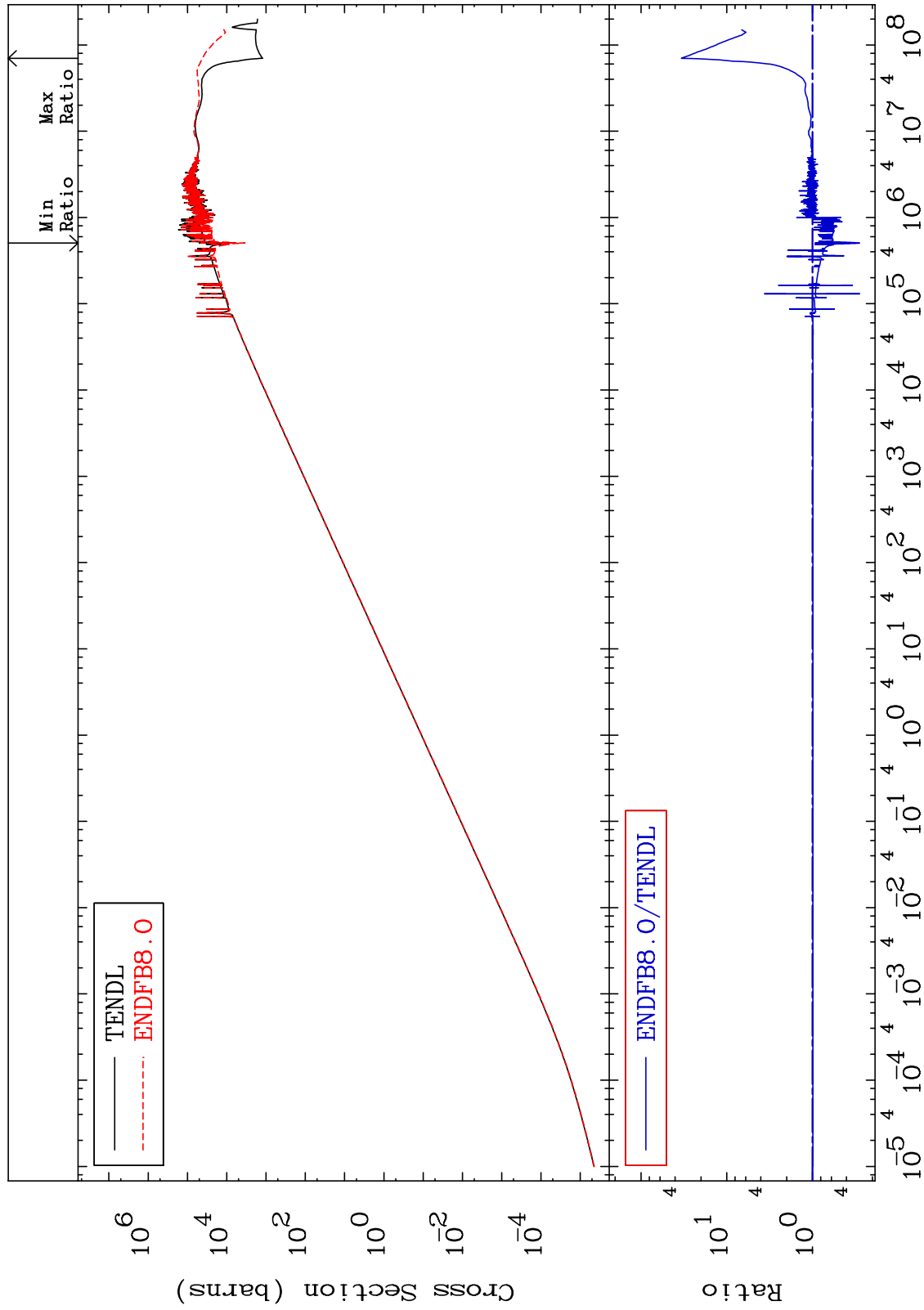
MAT 8237 Kerma total (eV-barns) 82-Pb-208
 Cross Section -71.98 To 2986. %



MAT 8237

Kerma elastic
Cross Section

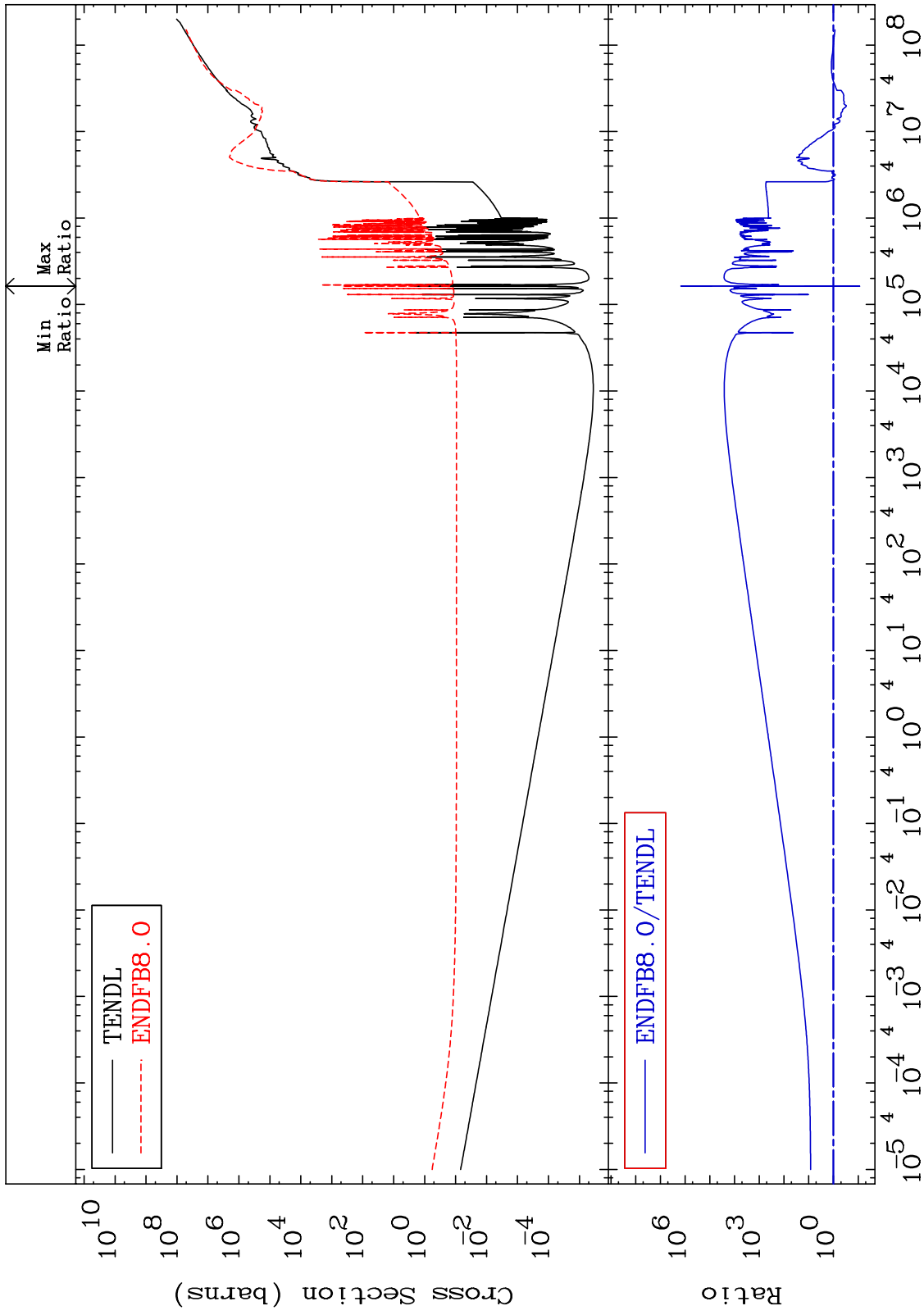
82-Pb-208
-71.99 To 3273. %

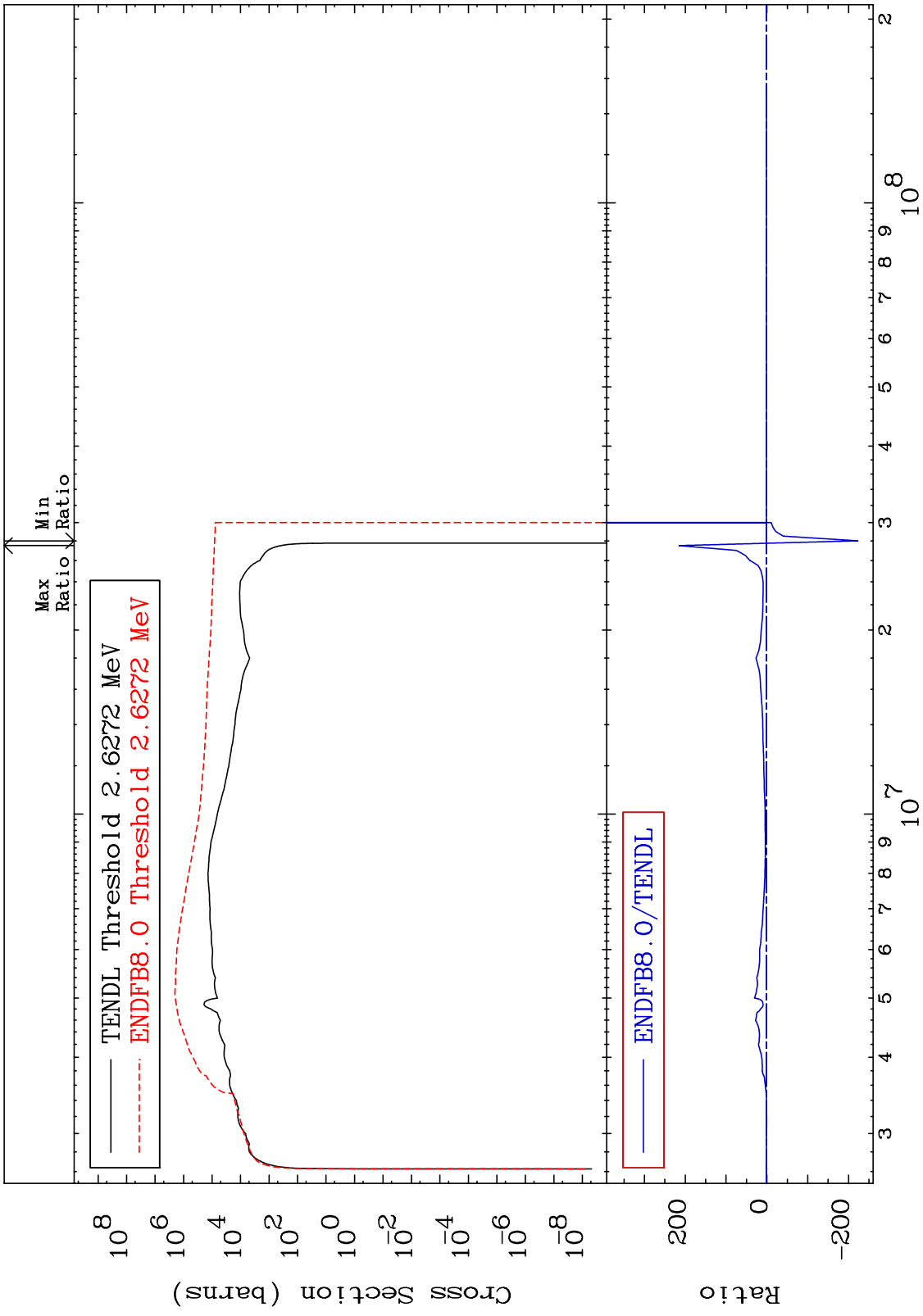


MAT 8237

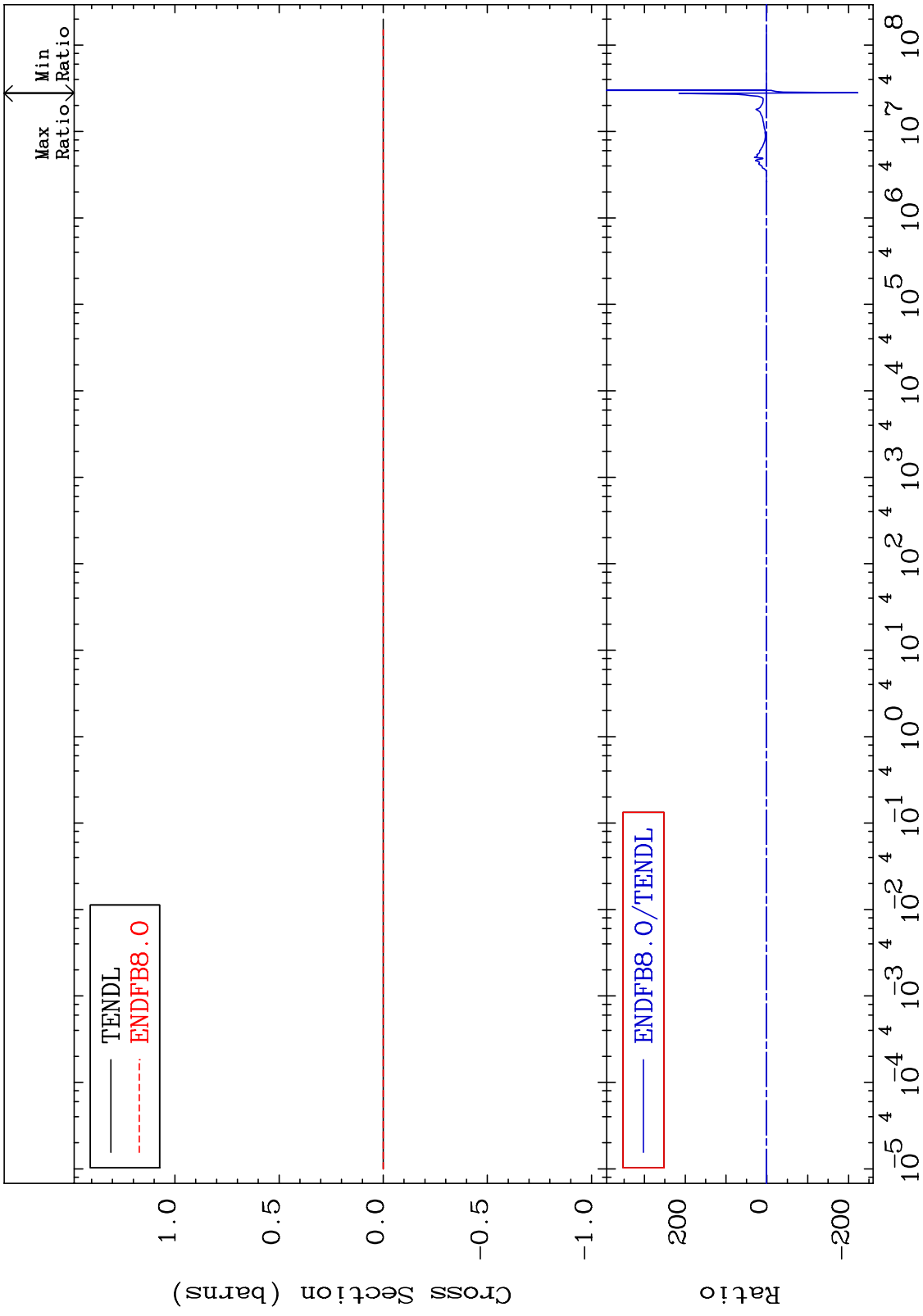
Kerma non-elastic (all but mt2)
Cross Section

82-Pb-208
-91.27 To 9999. %





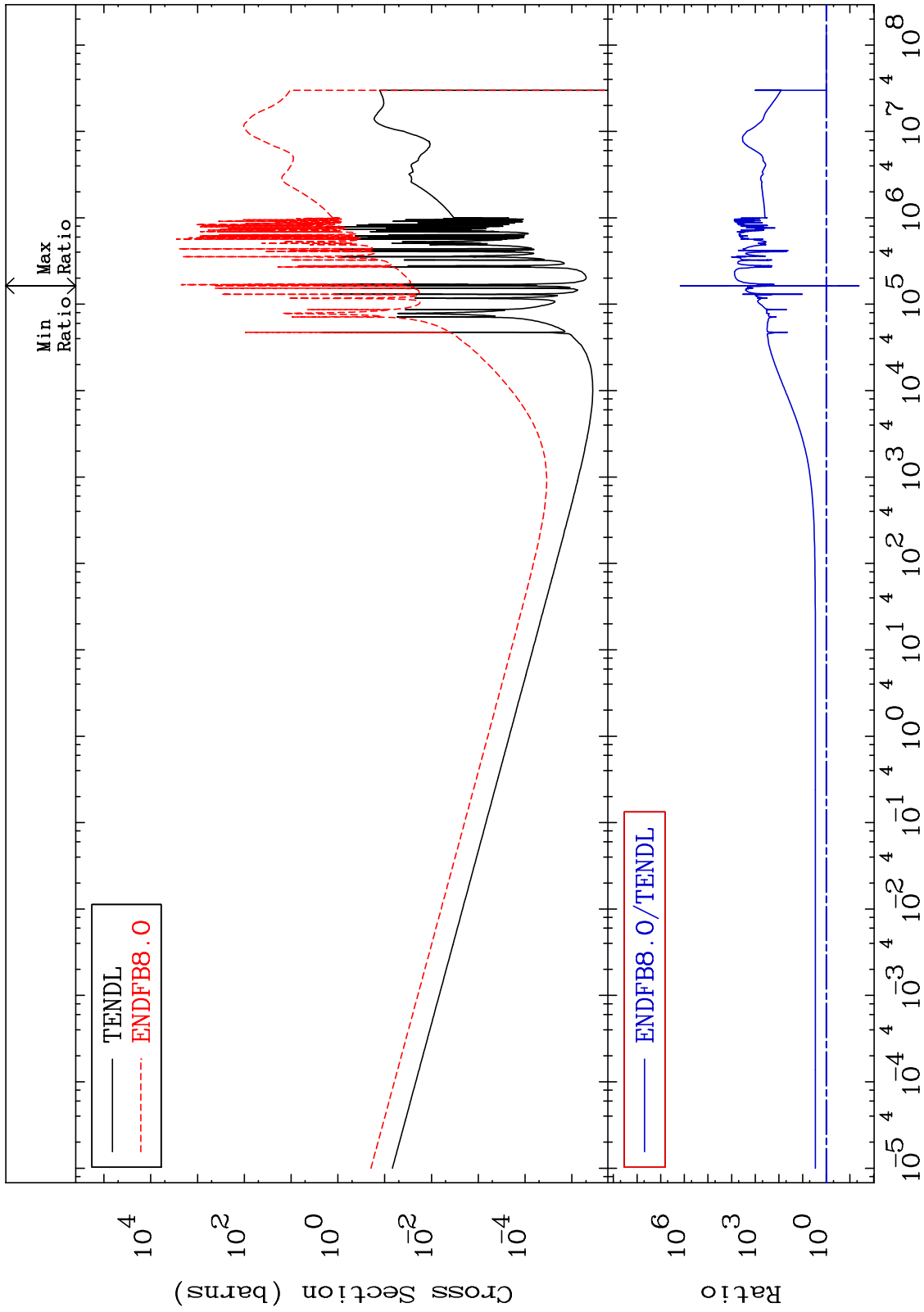
MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208
 Cross Section -9999. To 9999. %



MAT 8237

Kerma capture (mt102)
Cross Section

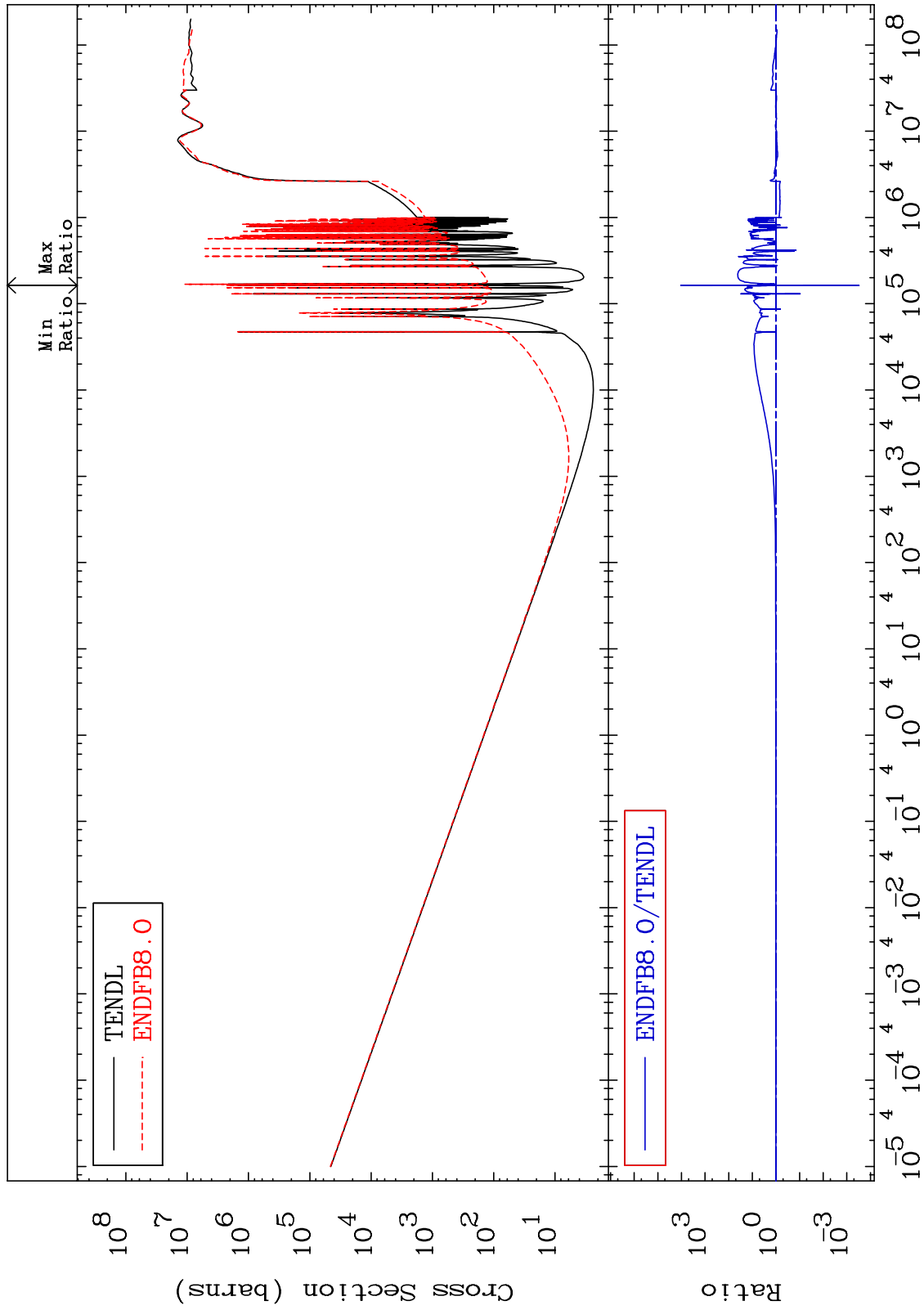
82-Pb-208
-95.81 To 9999. %



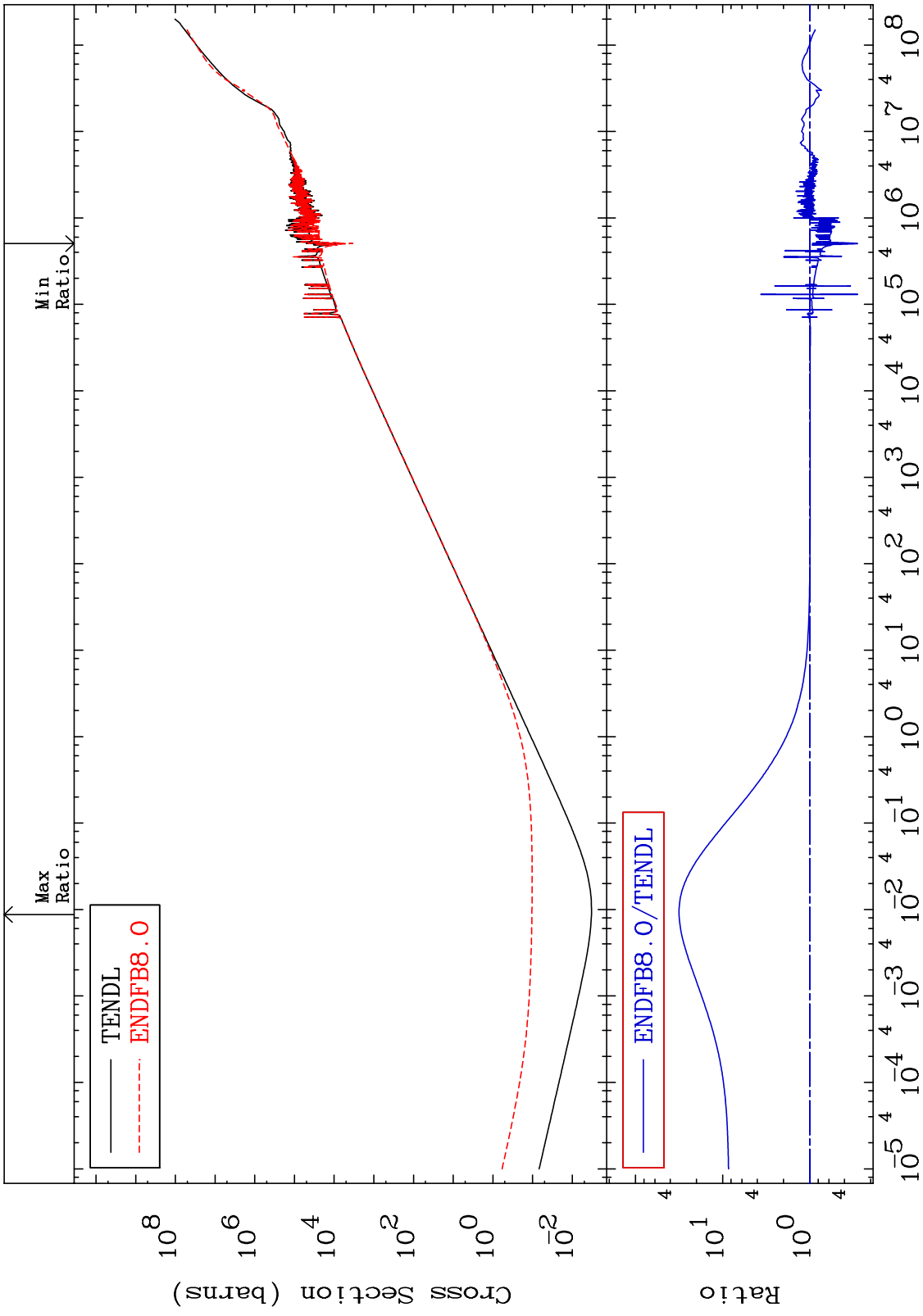
MAT 8237

Total photon (eV-barns)
Cross Section

82-Pb-208
-99.97 To 9999. %



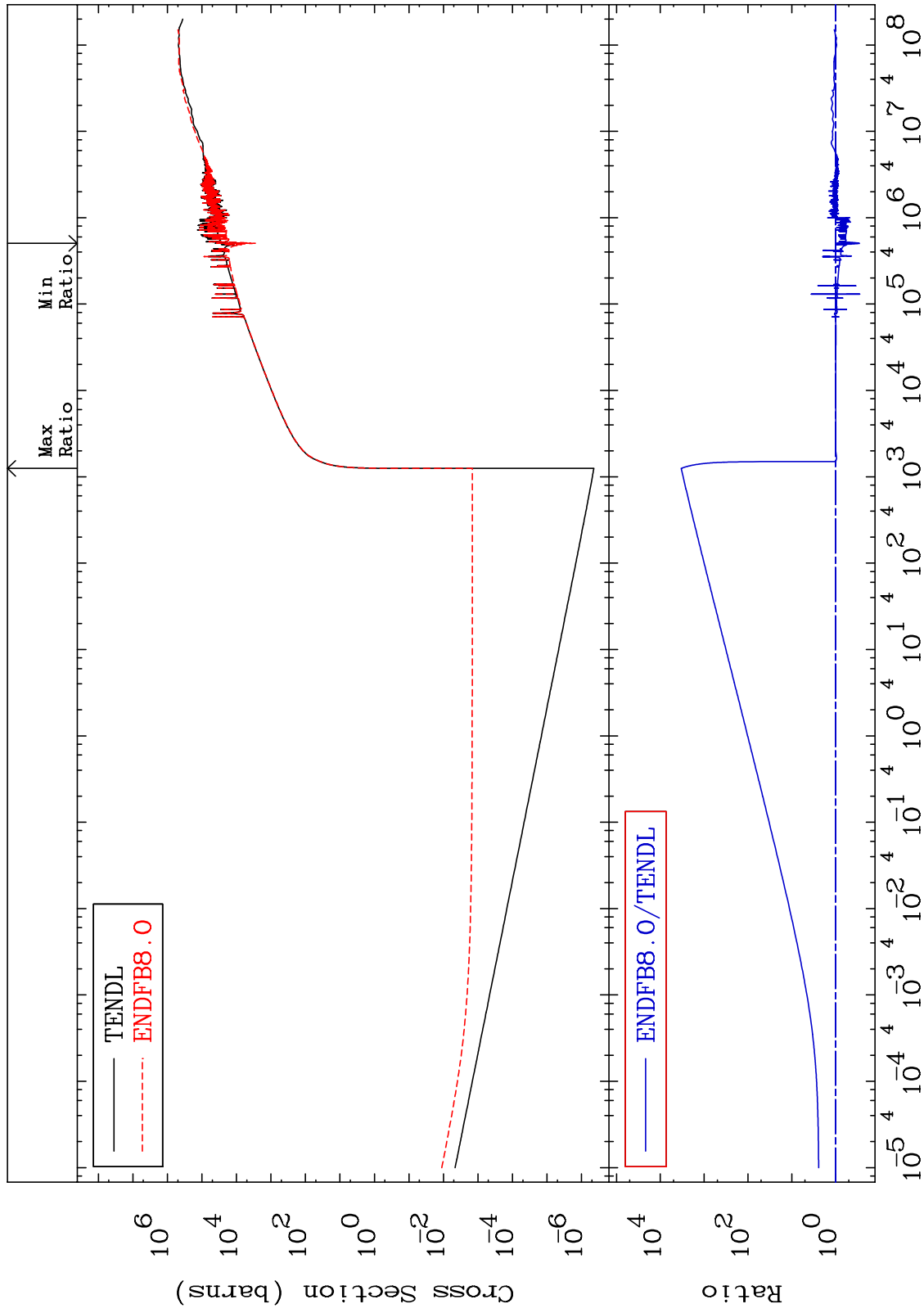
MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
 Cross Section -71.98 To 3064. %



MAT 8237

Dpa total (eV-barns)
Cross Section

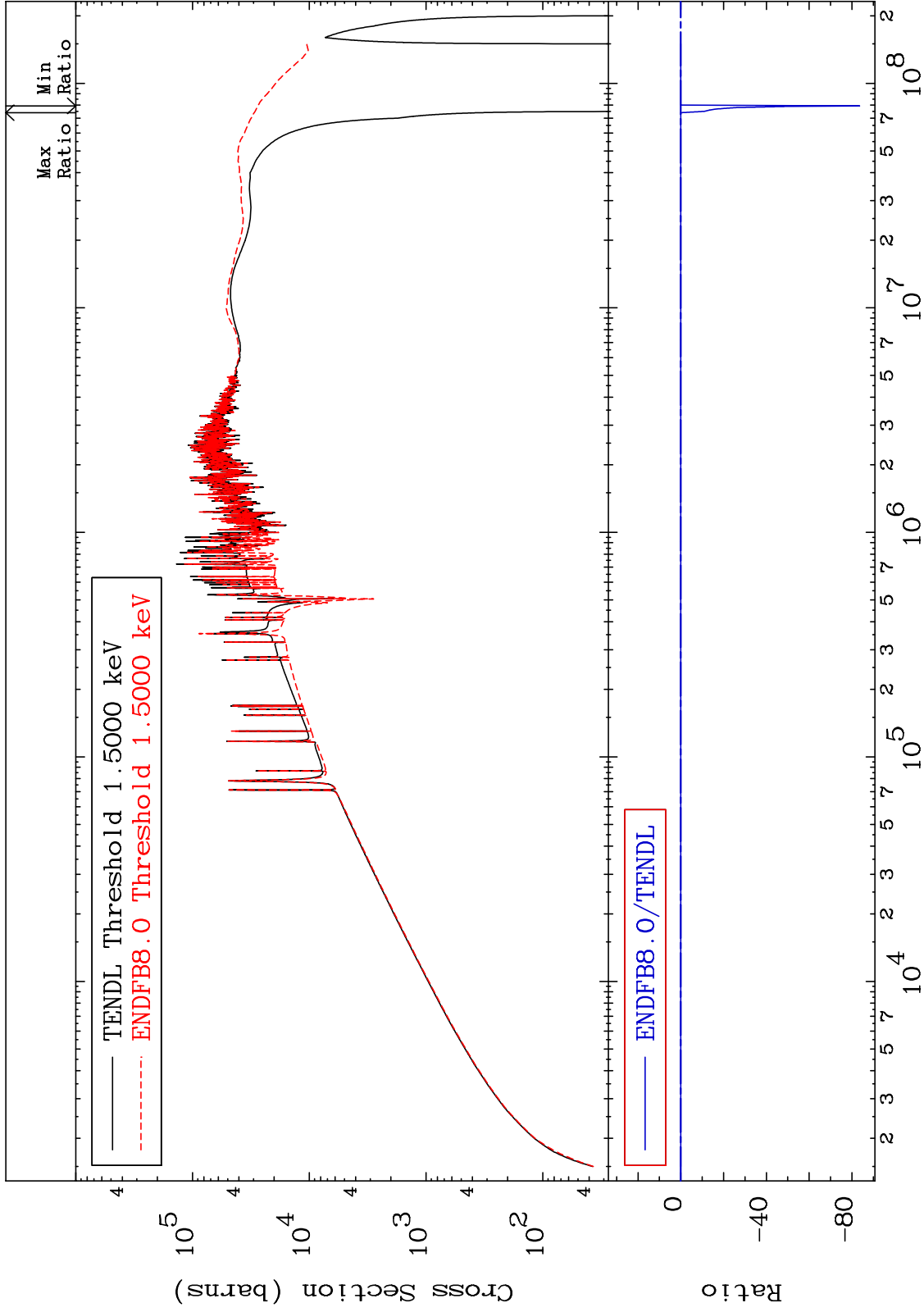
82-Pb-208
-71.99 To 9999. %



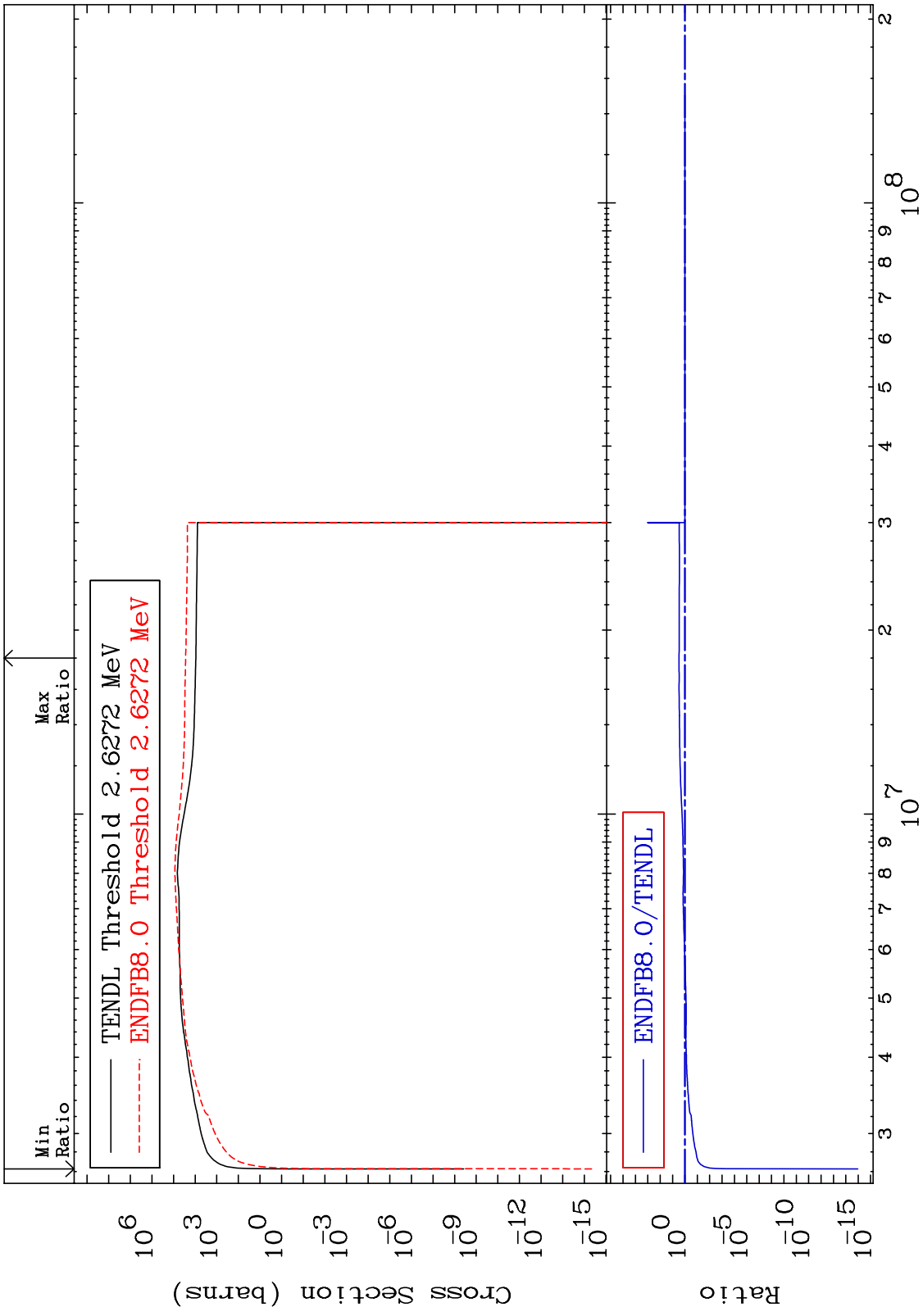
MAT 8237

Dpa elastic (mt2)
Cross Section

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



MAT 8237 Dpa inelastic (mt51-91) 82-Pb-208
 Cross Section -100.0 To 197.6 %



MAT 8237

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-208
-97.42 To 9999. %

