

Program Complot
(Version 2018-1)

by

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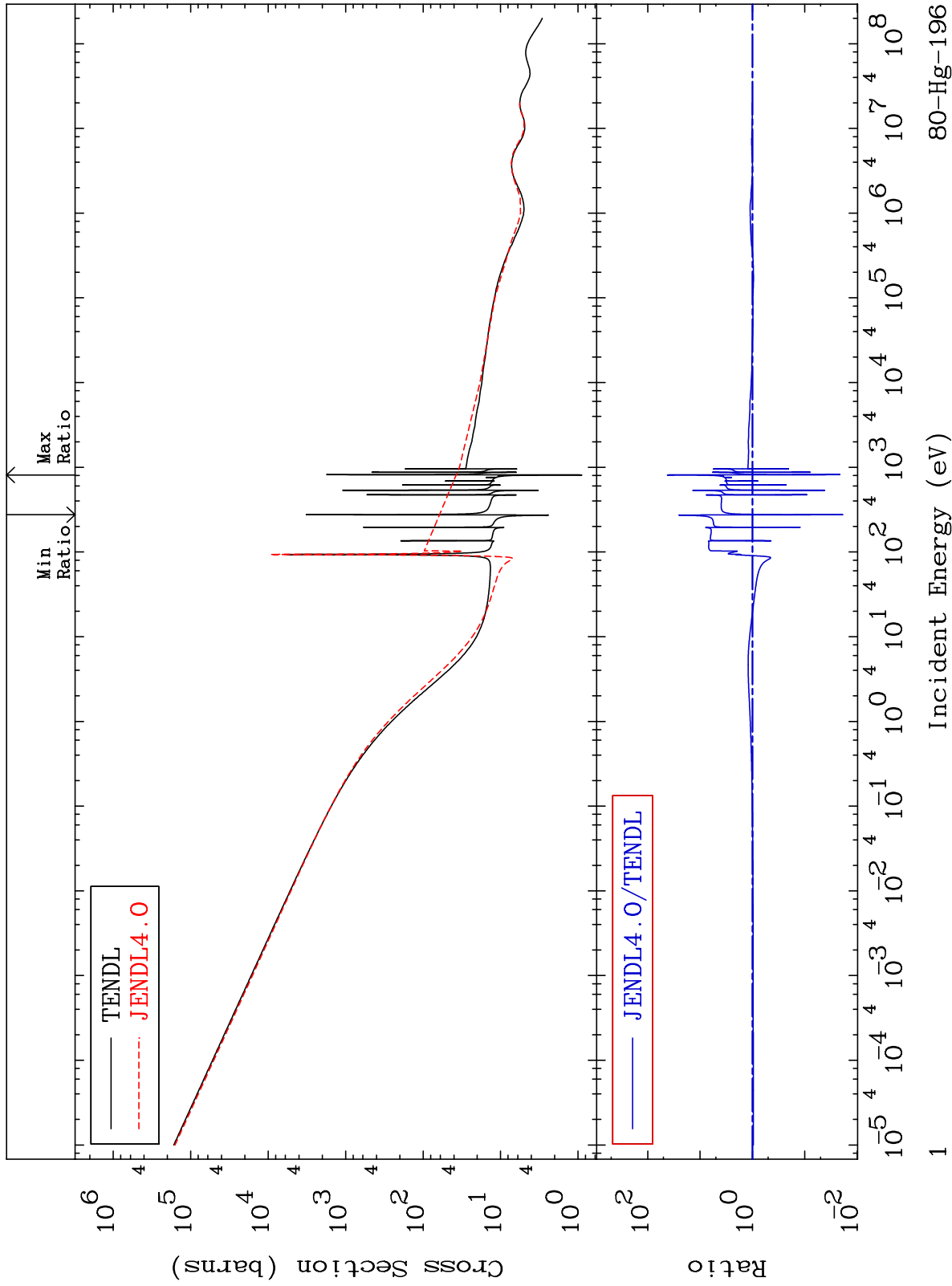
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8025

Total Cross Section

80-Hg-196
-98.11 To 4083. %



80-Hg-196

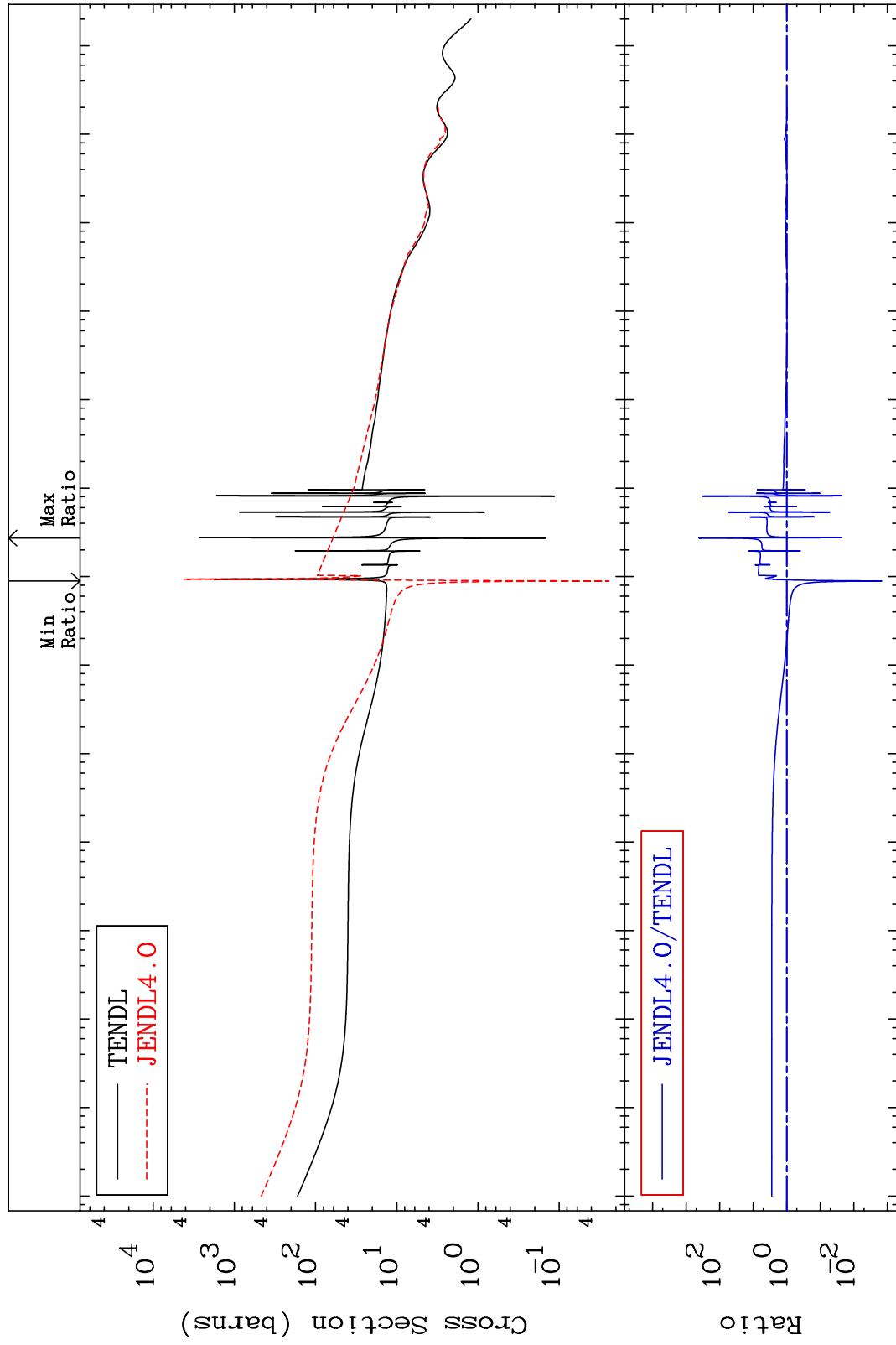
MAT 8025

Elastic

80-Hg-196

-99.85 To 9999. %

Cross Section



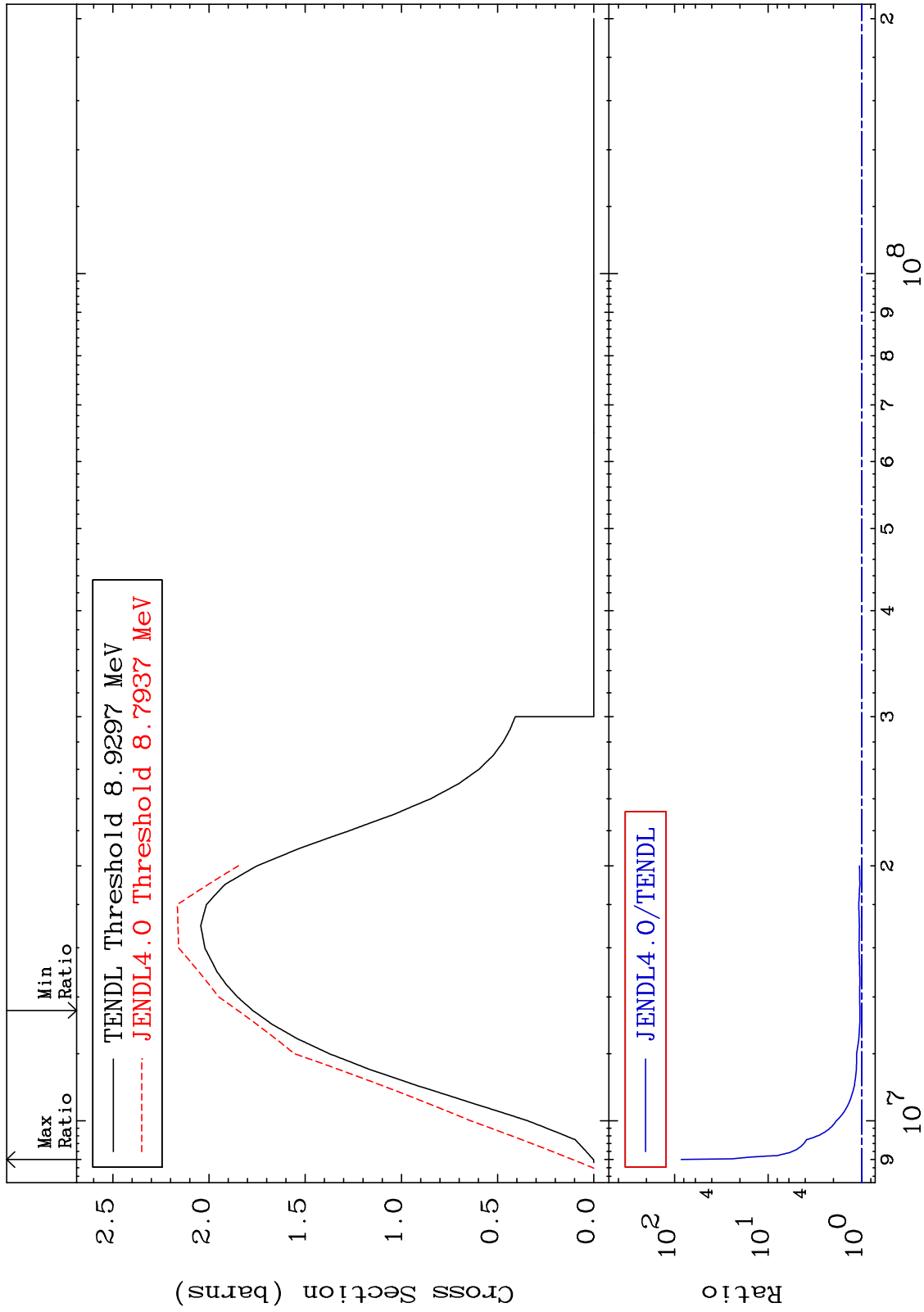
MAT 8025

(n,2n)

80-Hg-196

Cross Section

4.350 To 8404. %



4

Incident Energy (eV)

80-Hg-196

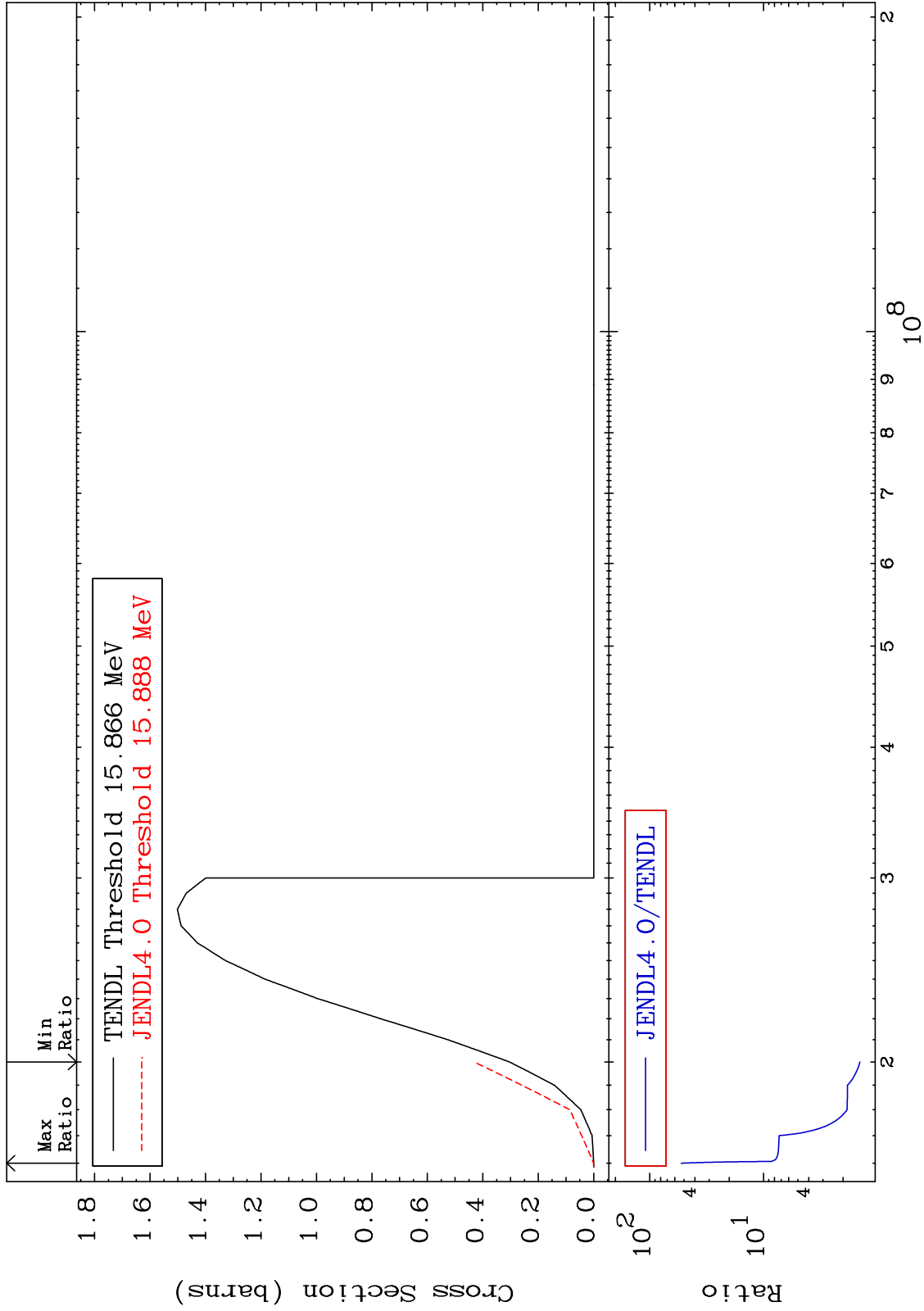
MAT 8025

(n,3n)

80-Hg-196

Cross Section

42.18 To 5180. %



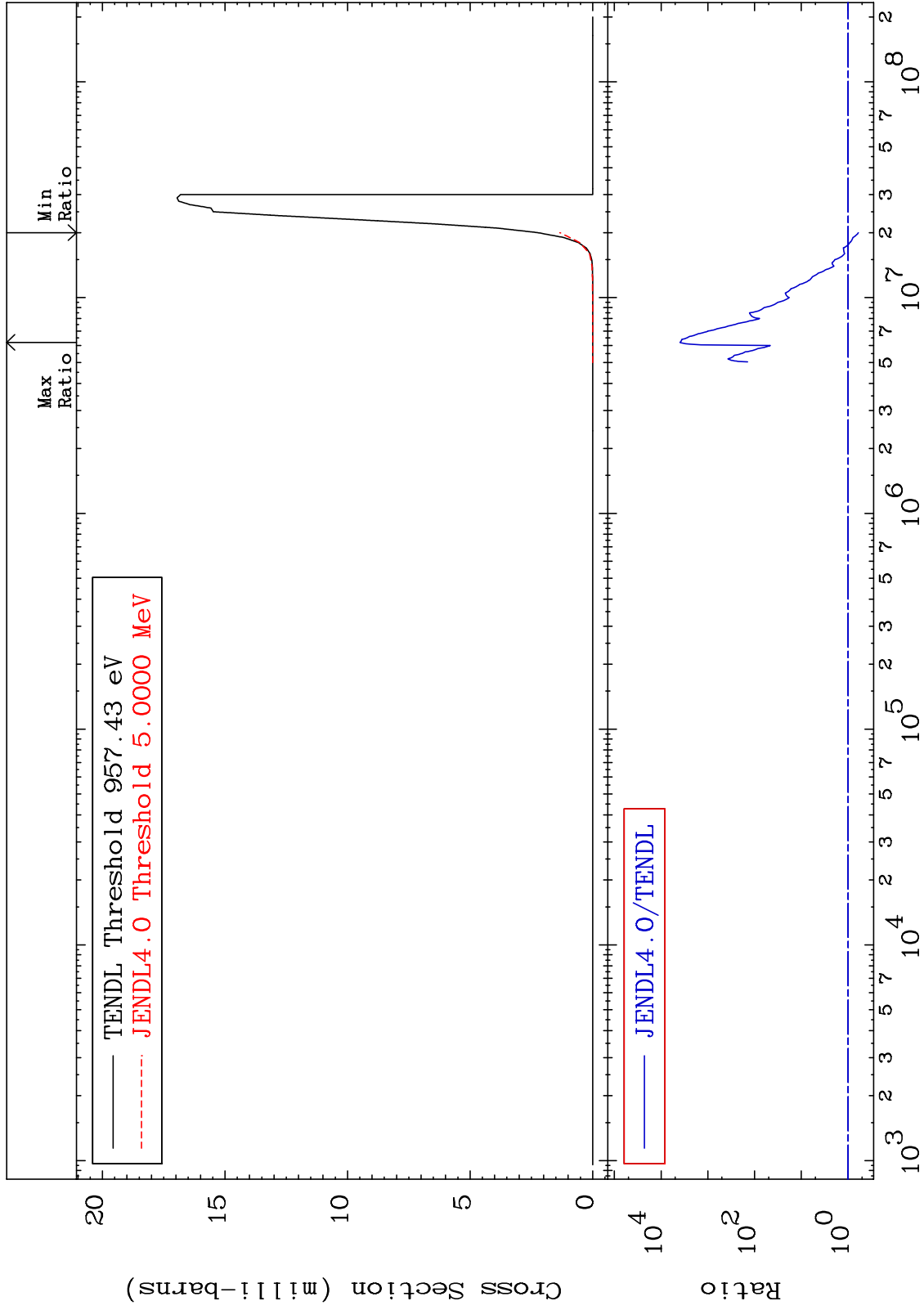
MAT 8025

(n, n') α

80-Hg-196

Cross Section

-39.95 To 9999. %



80-Hg-196

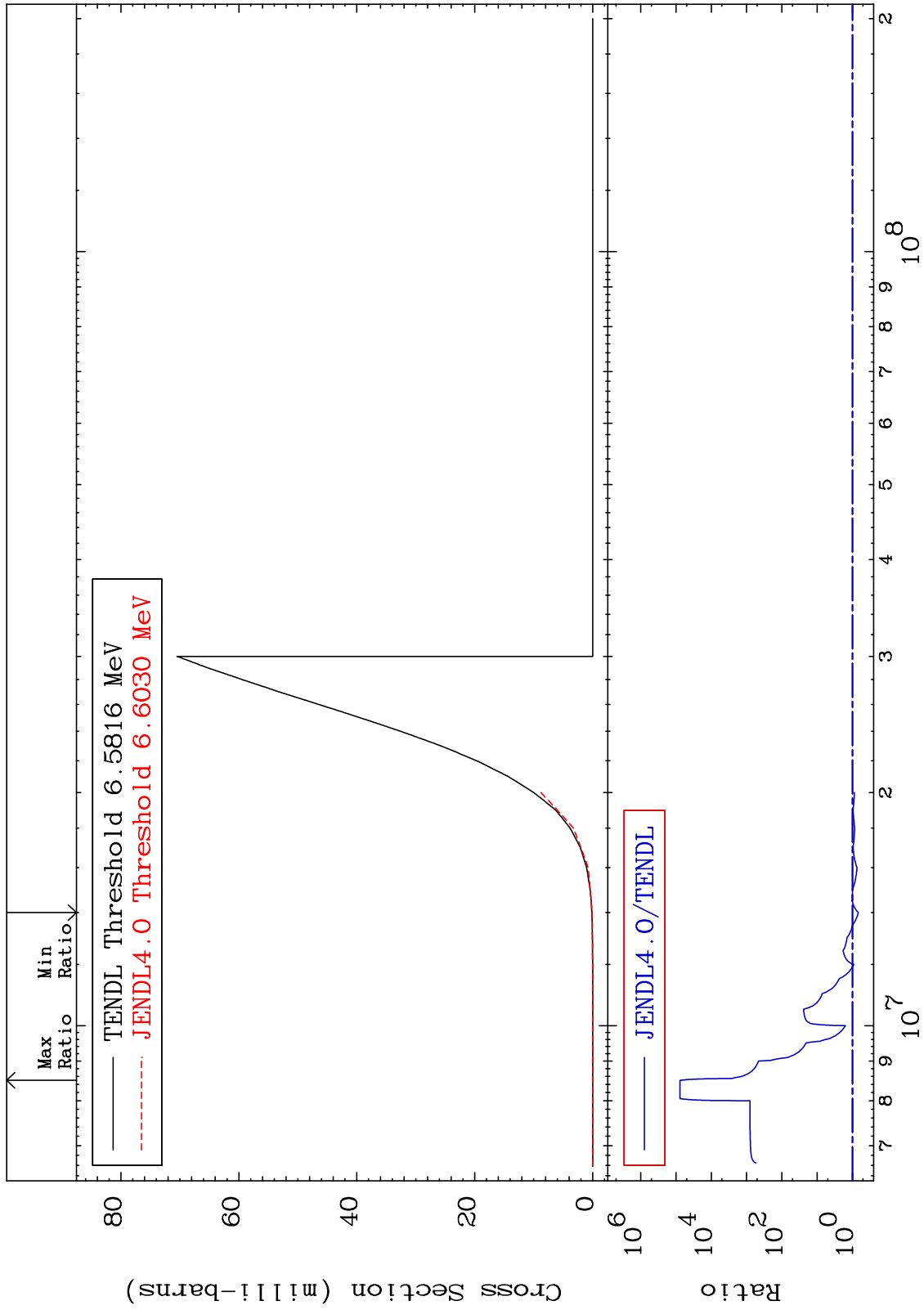
Incident Energy (eV)

6

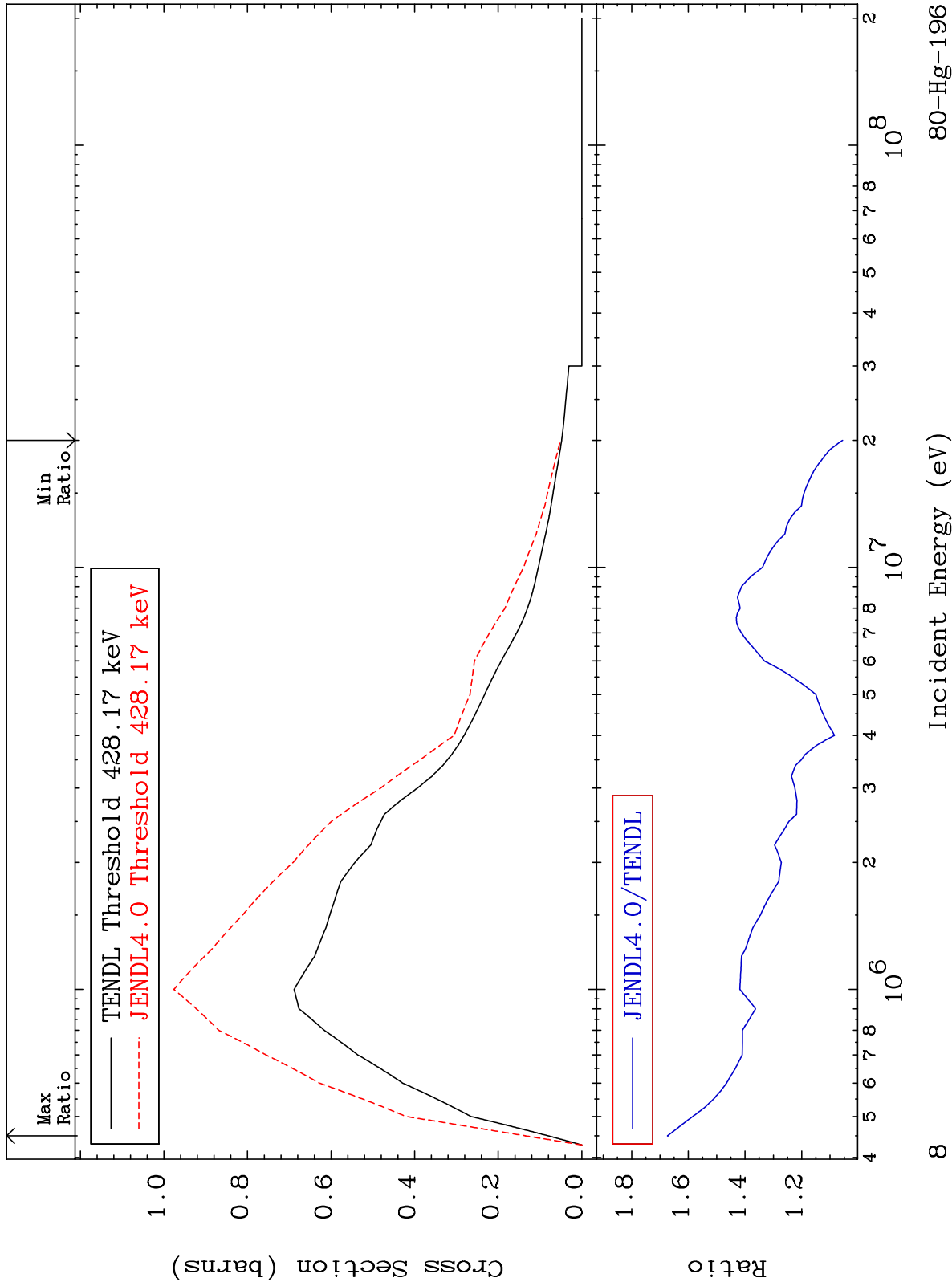
MAT 8025

(n,n') p
Cross Section

80-Hg-196
-32.50 To 9999. %



MAT 8025 MT= 51 (n,n') Level Cross Section 80-Hg-196 To 67.33 %
5.558

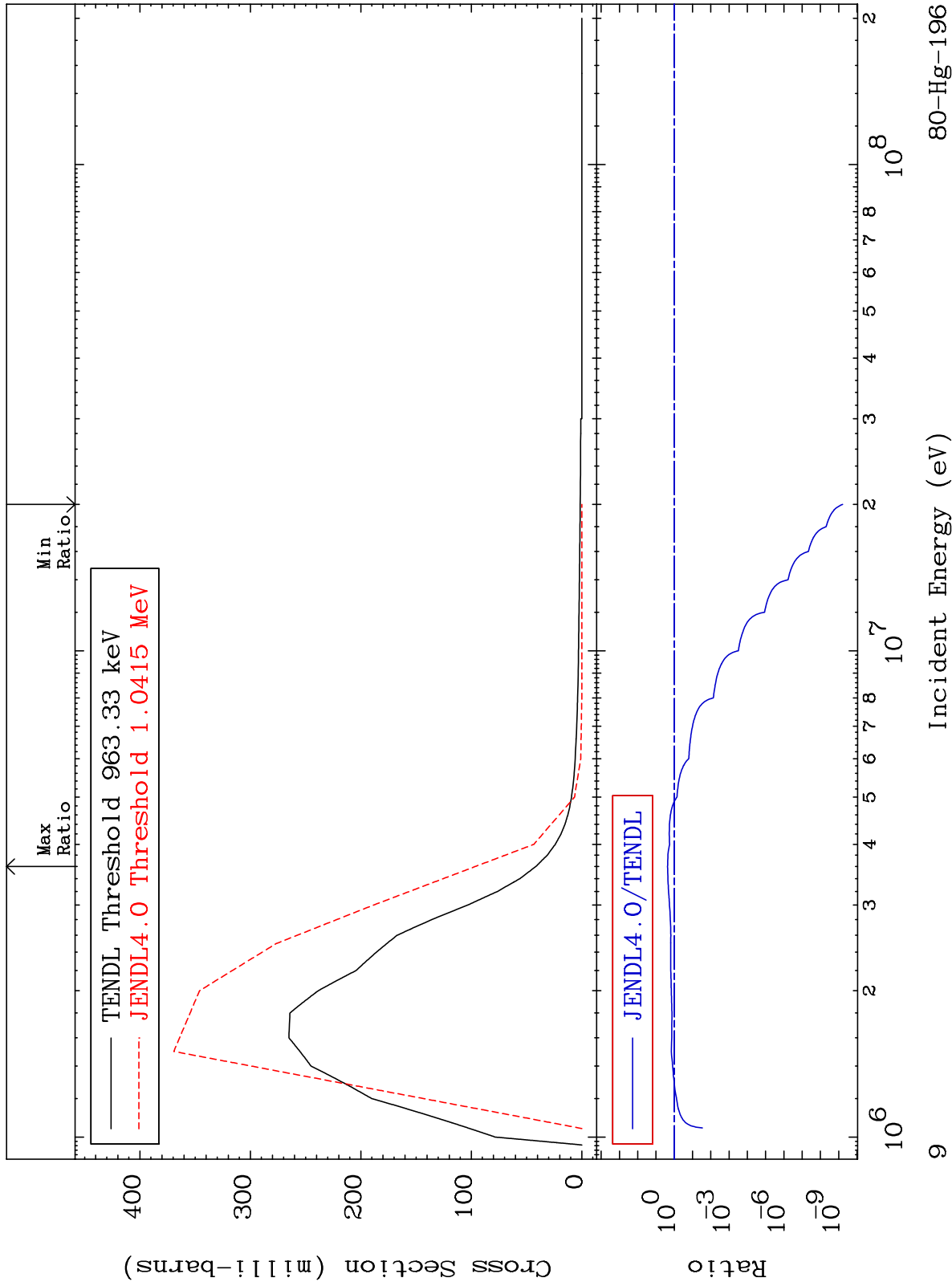


80-Hg-196

MAT 8025

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

80-Hg-196
-100.0 To 132.5 %



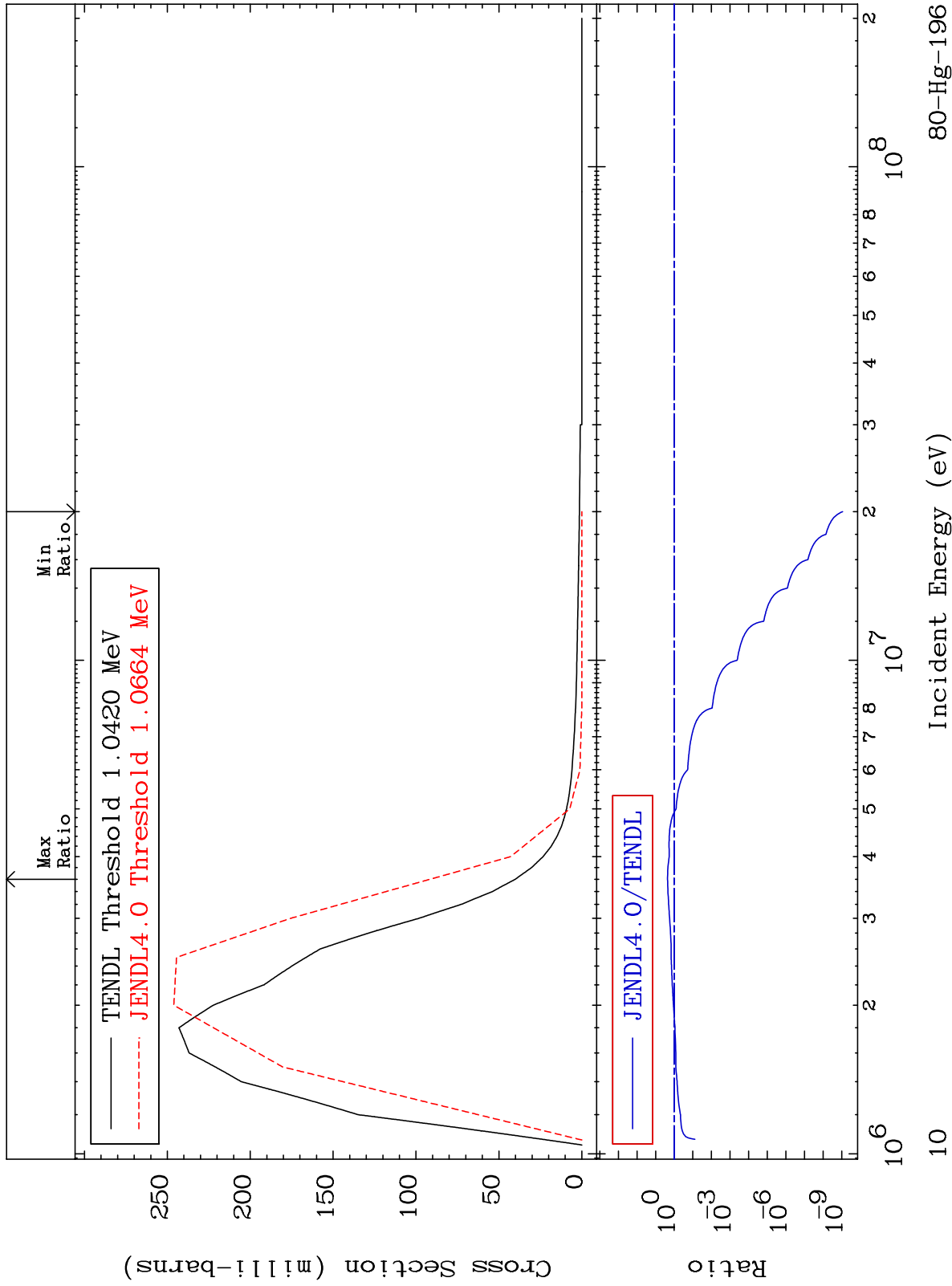
80-Hg-196

Incident Energy (eV)

MAT 8025

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

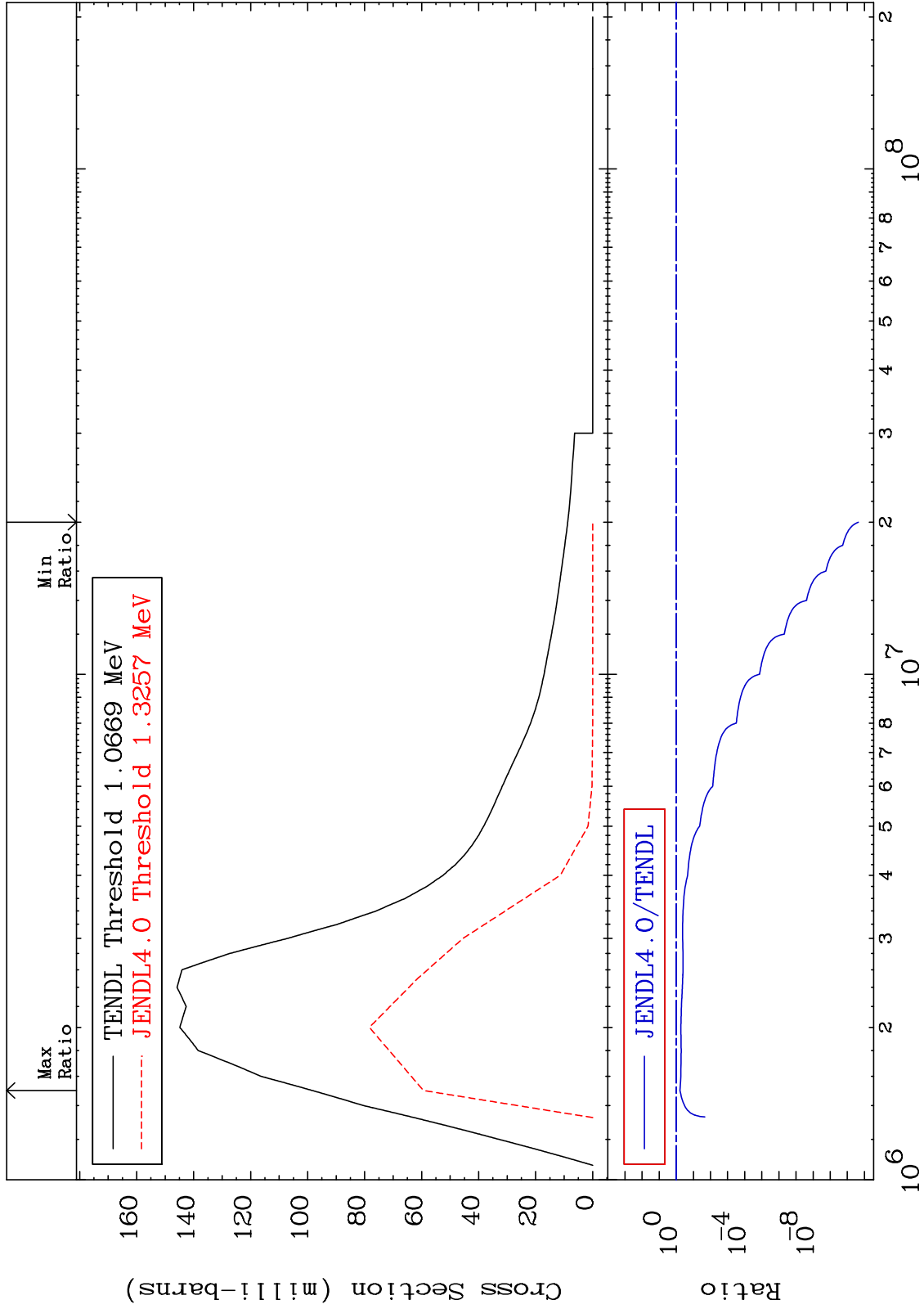
80-Hg-196
-100.0 To 128.2 %



MAT 8025

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

80-Hg-196
-100.0 To -39.62%



11

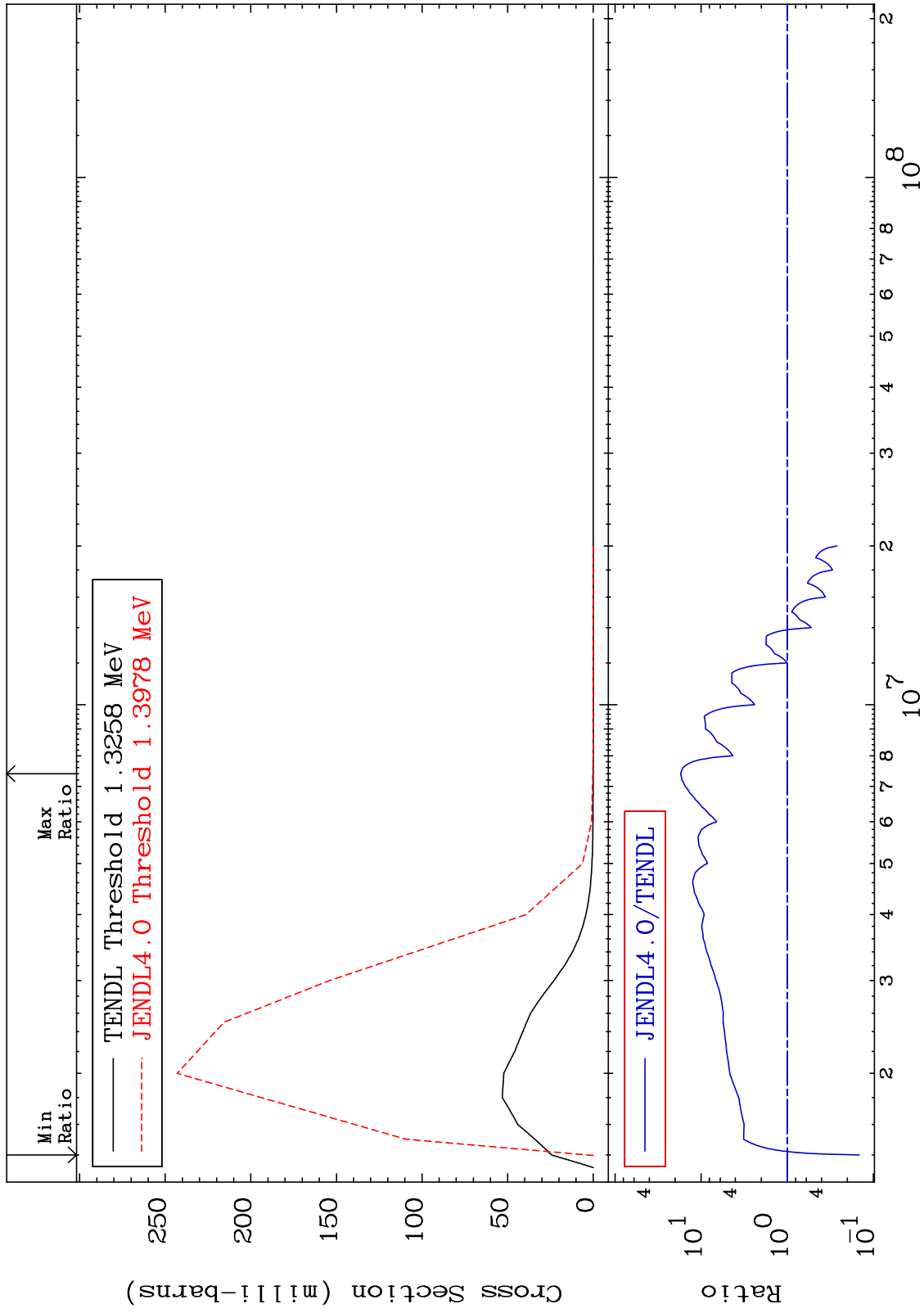
Incident Energy (eV)

80-Hg-196

MAT 8025

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

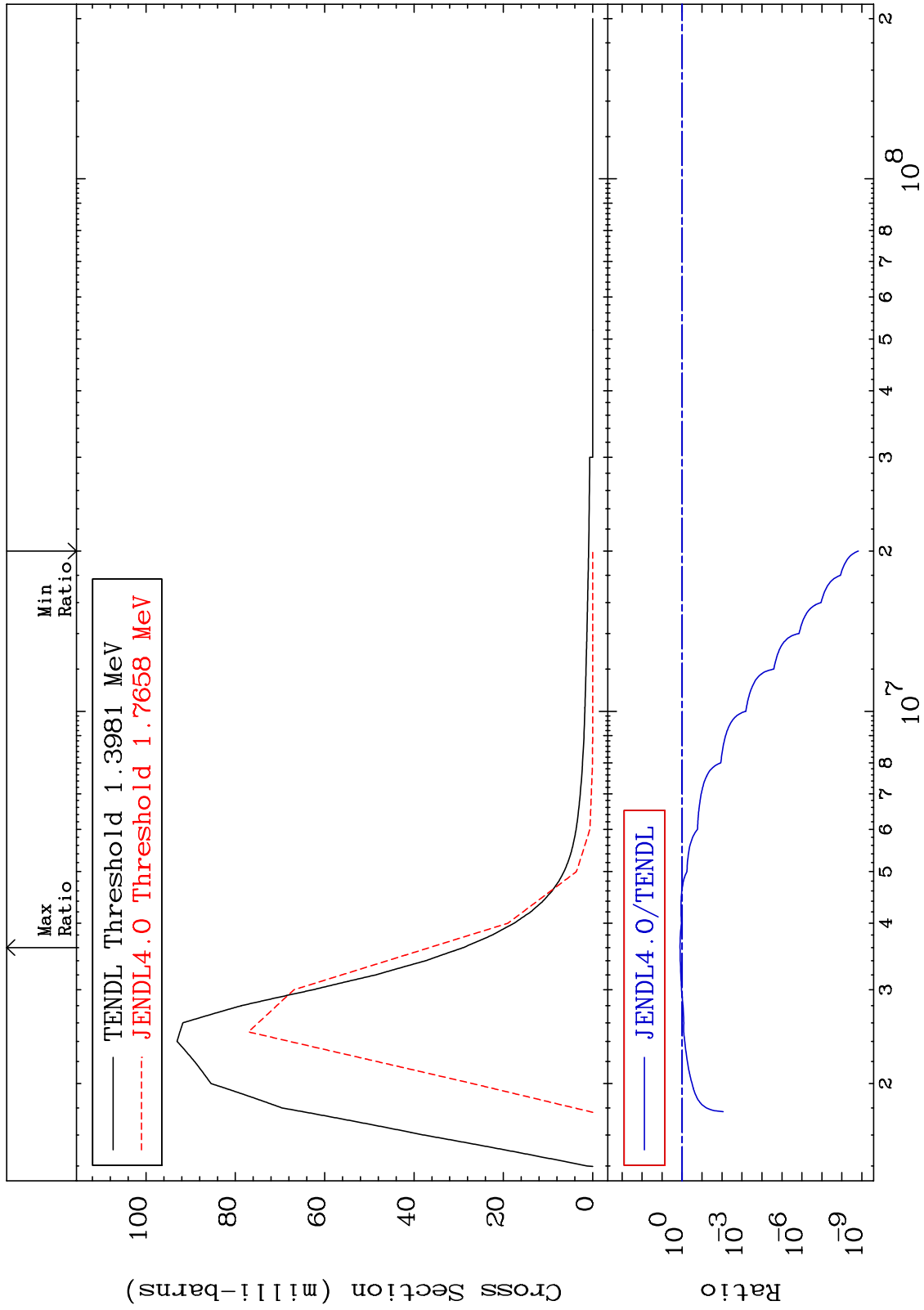
80-Hg-196
-85.40 To 1629. %



MAT 8025

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

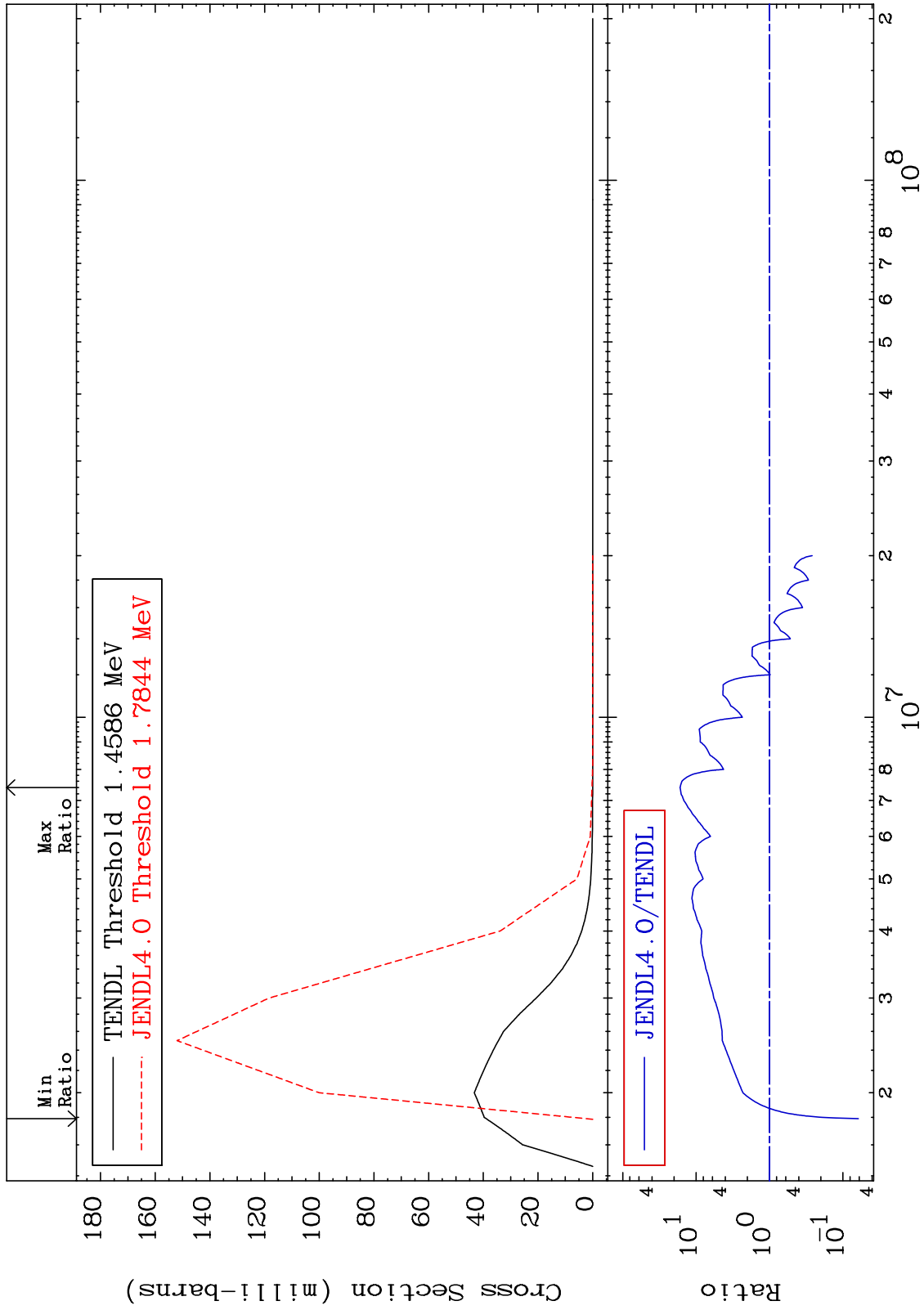
80-Hg-196
-100.0 To 26.19 %



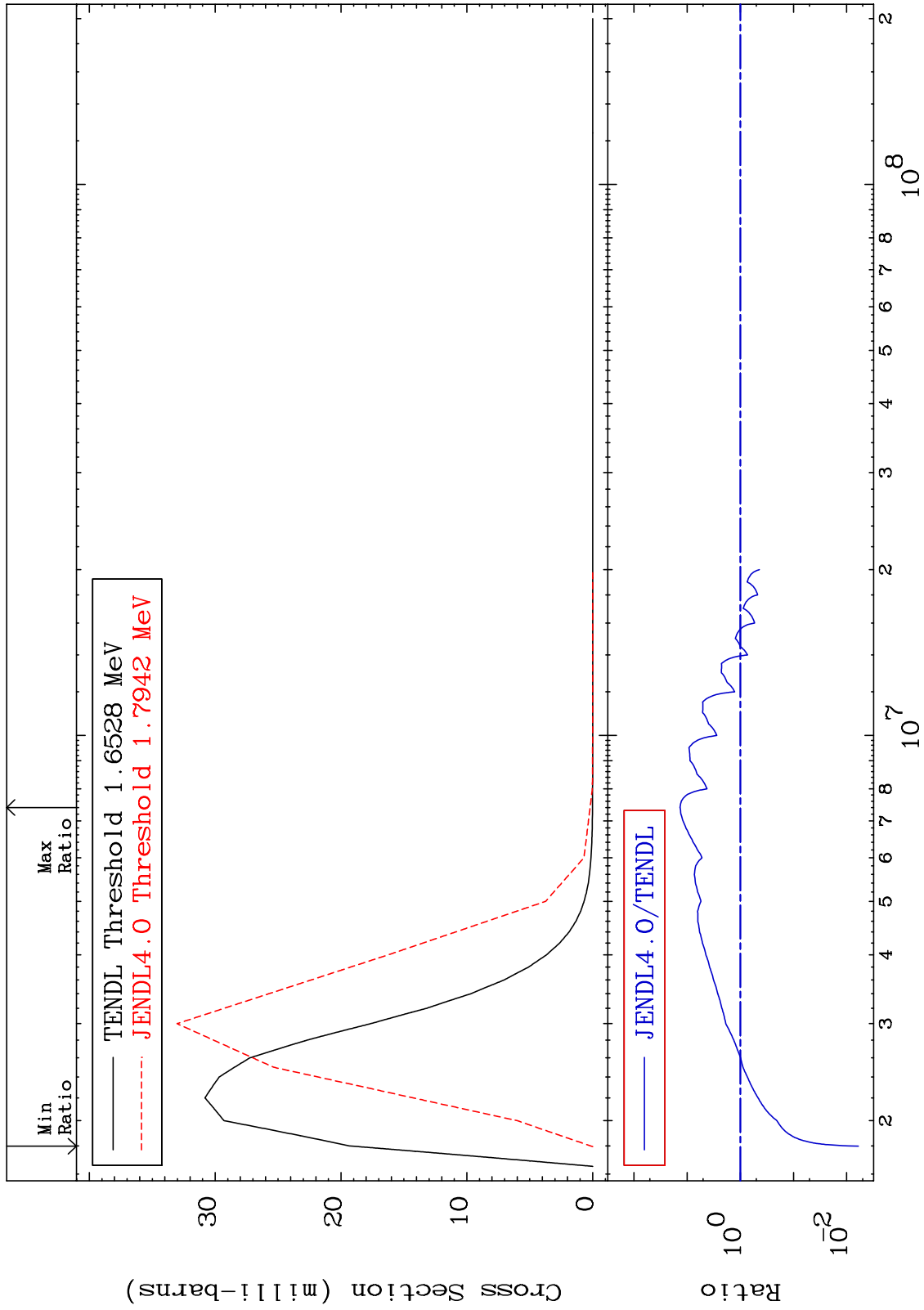
MAT 8025

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

80-Hg-196
-93.85 To 1559. %



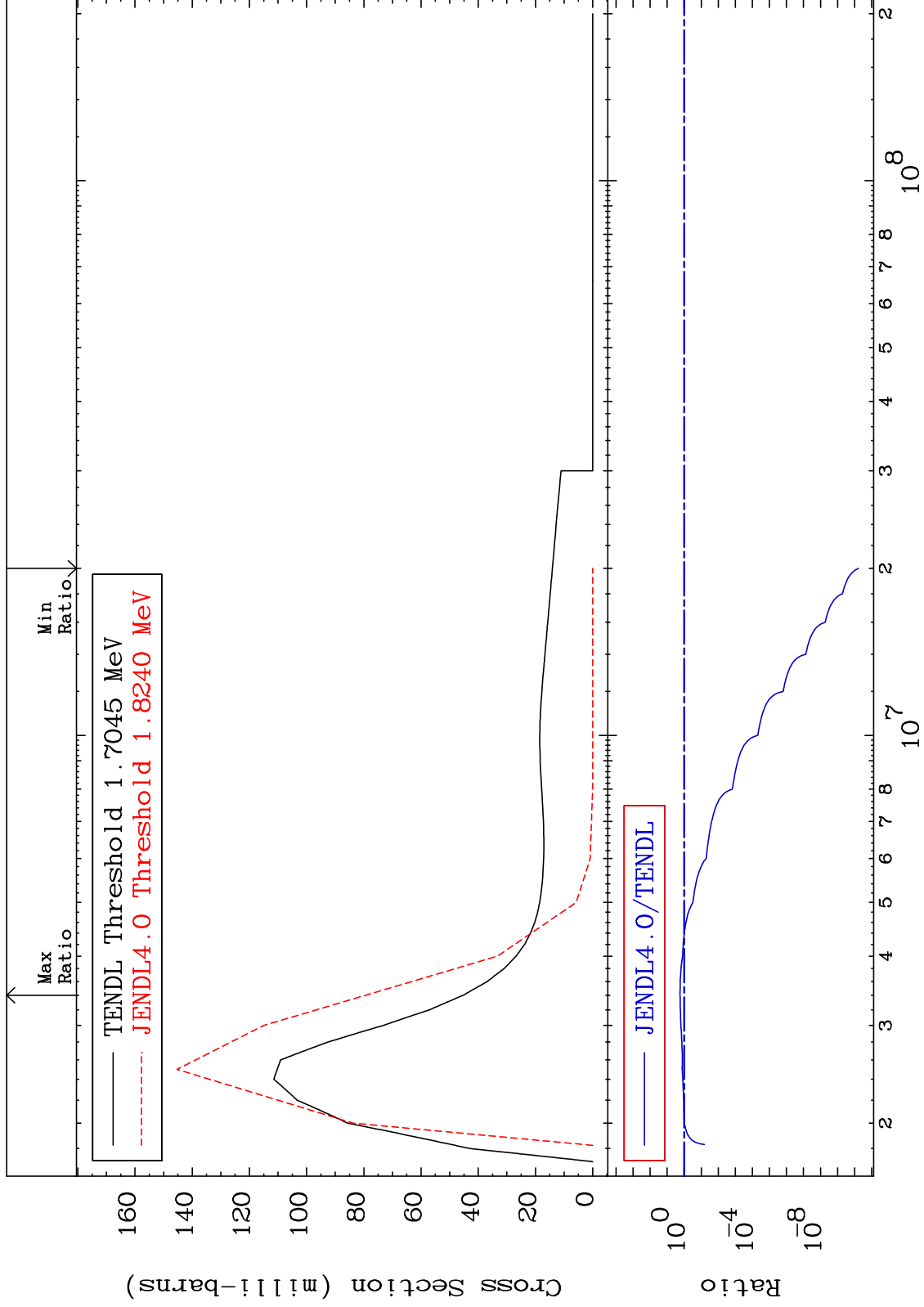
MAT 8025 MT= 58 (n,n') Level Cross Section 80-Hg-196
 -99.40 To 1259. %



MAT 8025

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

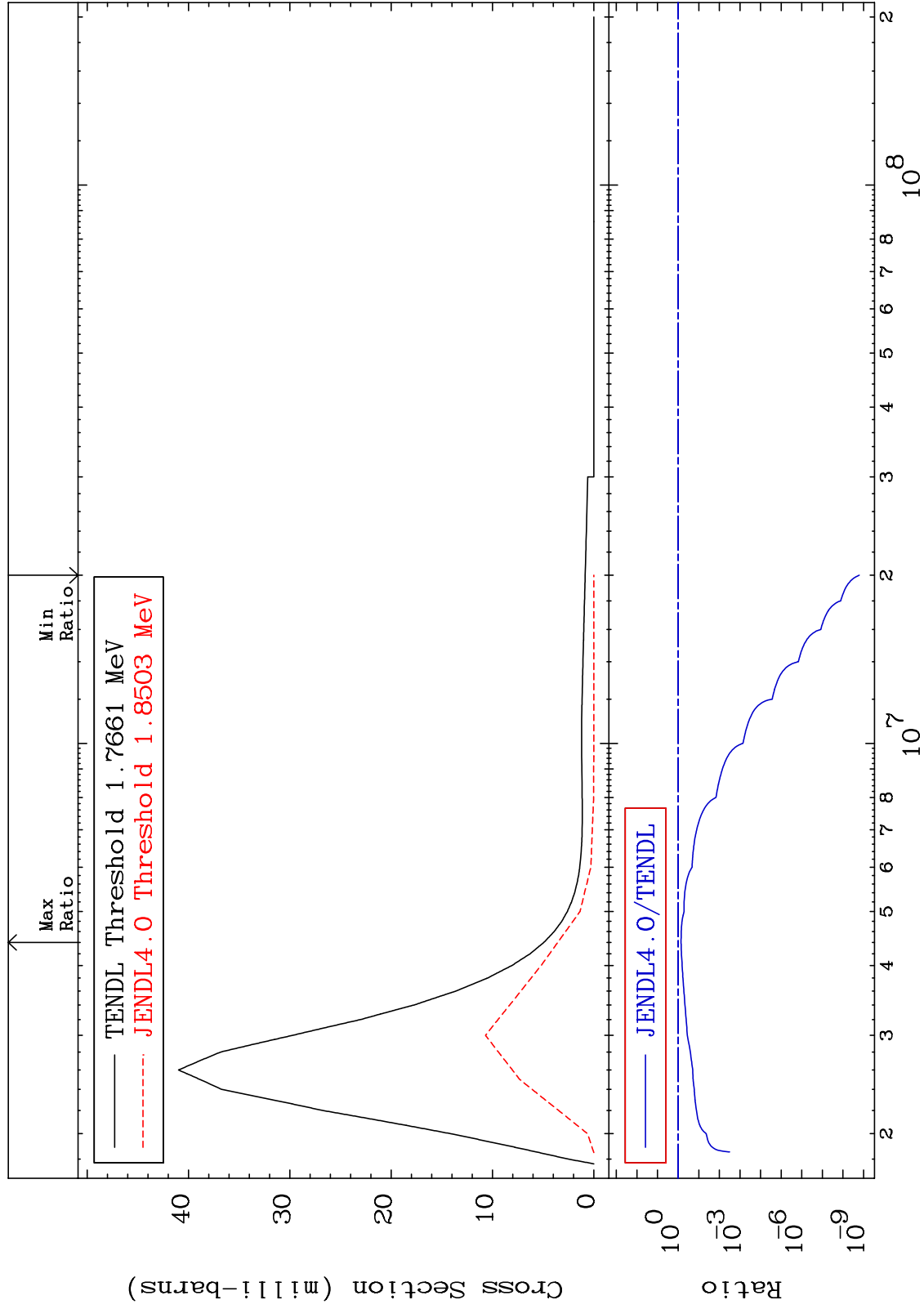
80-Hg-196
-100.0 To 75.52 %



MAT 8025

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

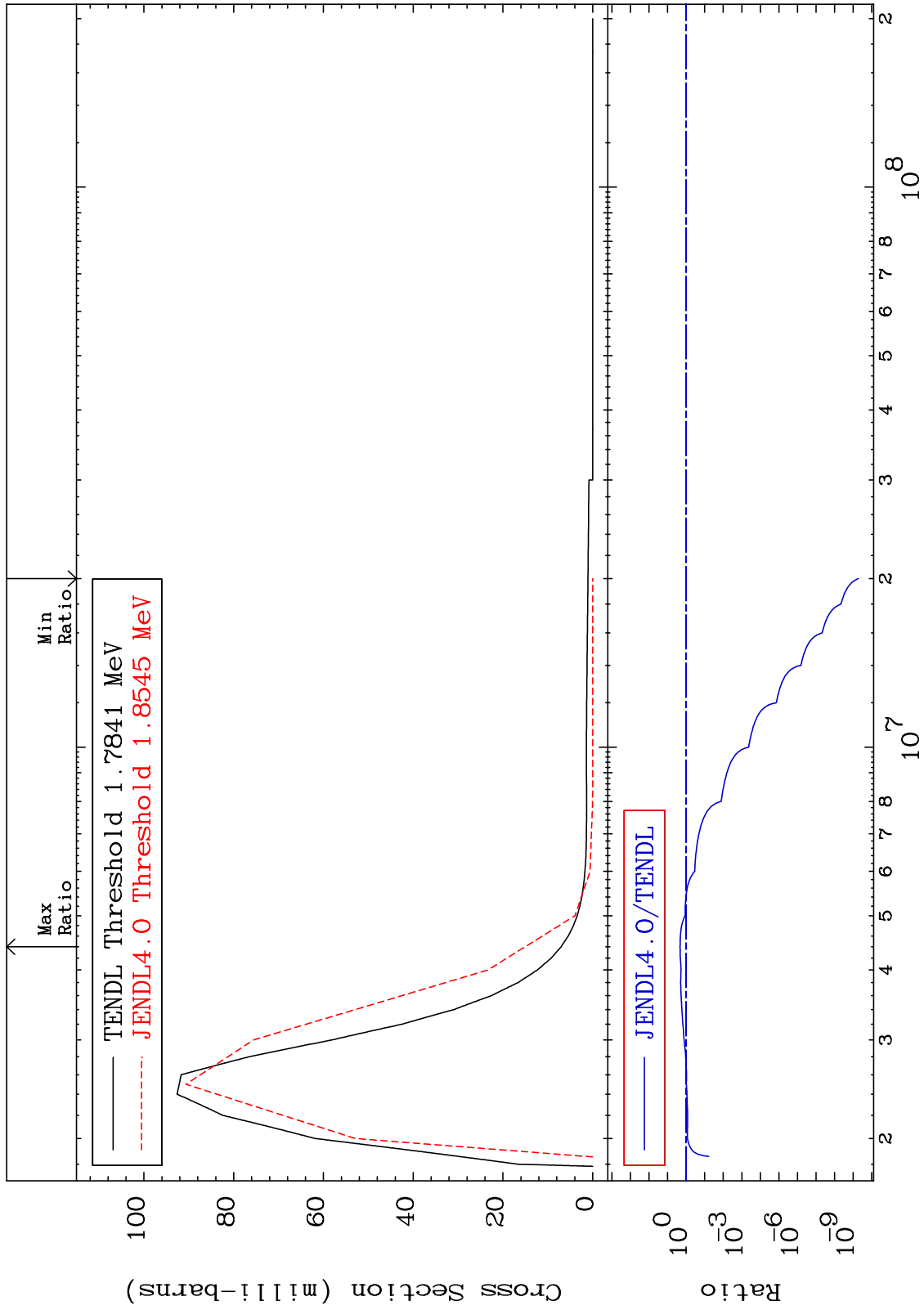
80-Hg-196
-100.0 To -27.75%



MAT 8025

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

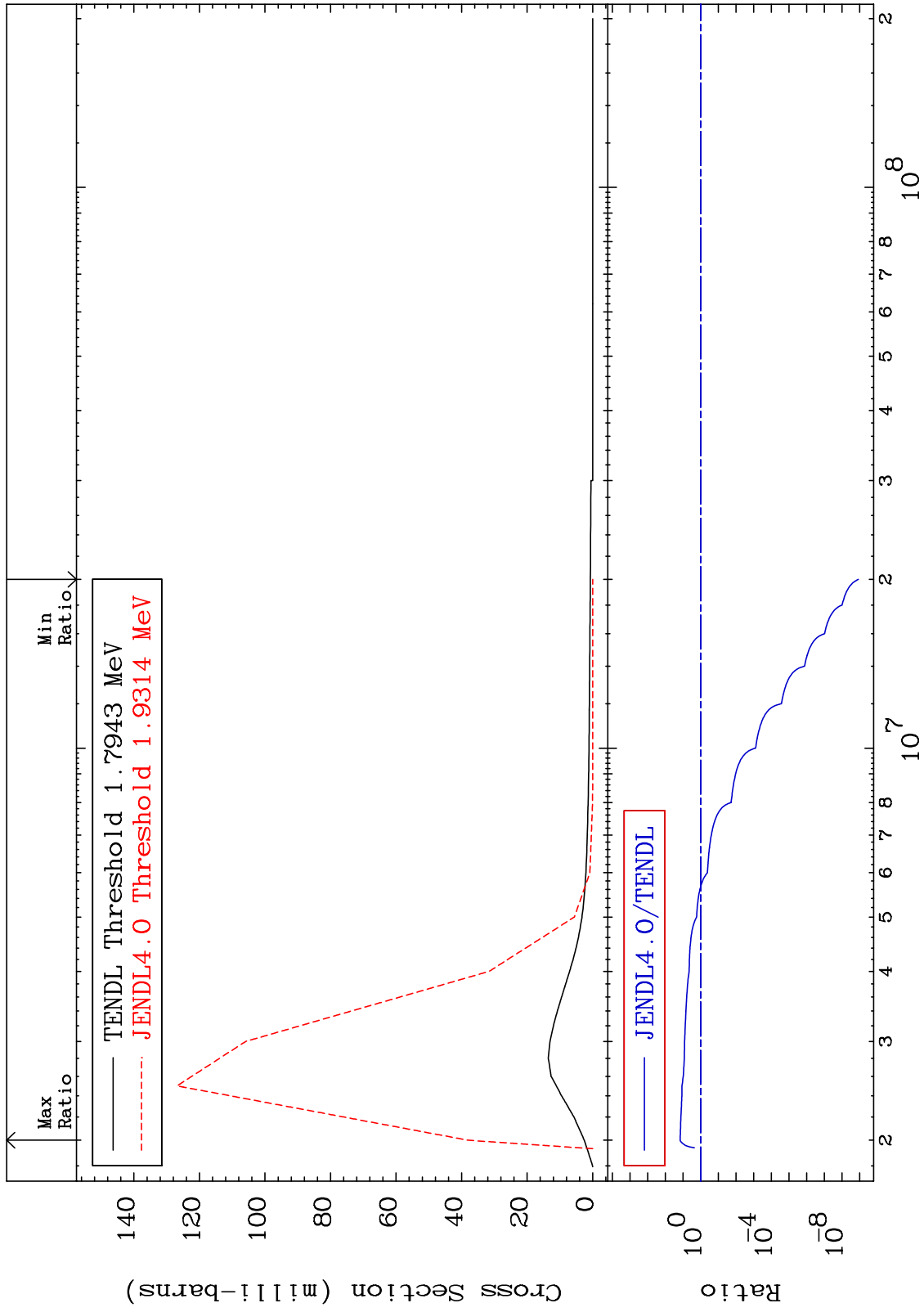
80-Hg-196
-100.0 To 114.2 %



MAT 8025

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

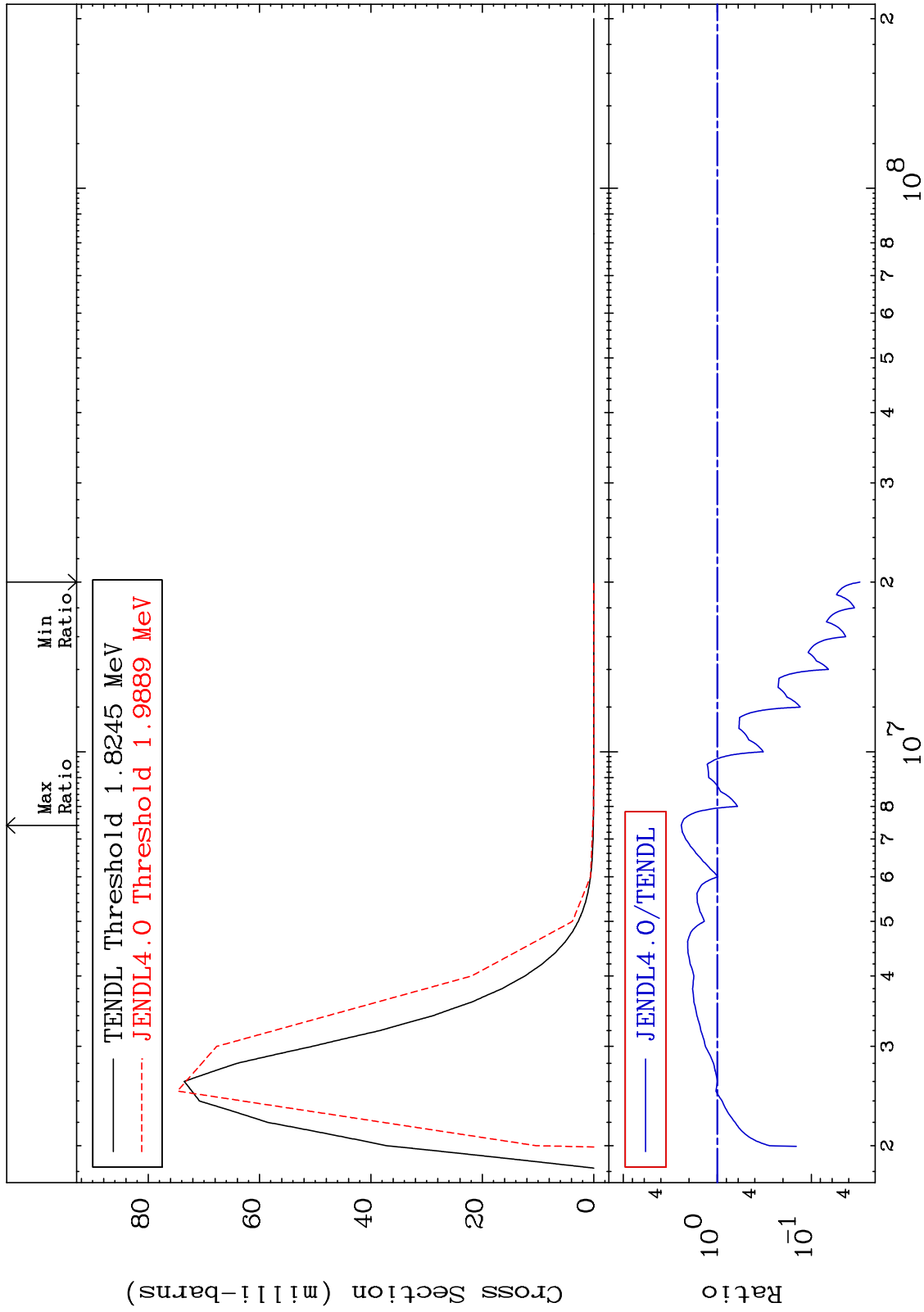
80-Hg-196
-100.0 To 1371. %



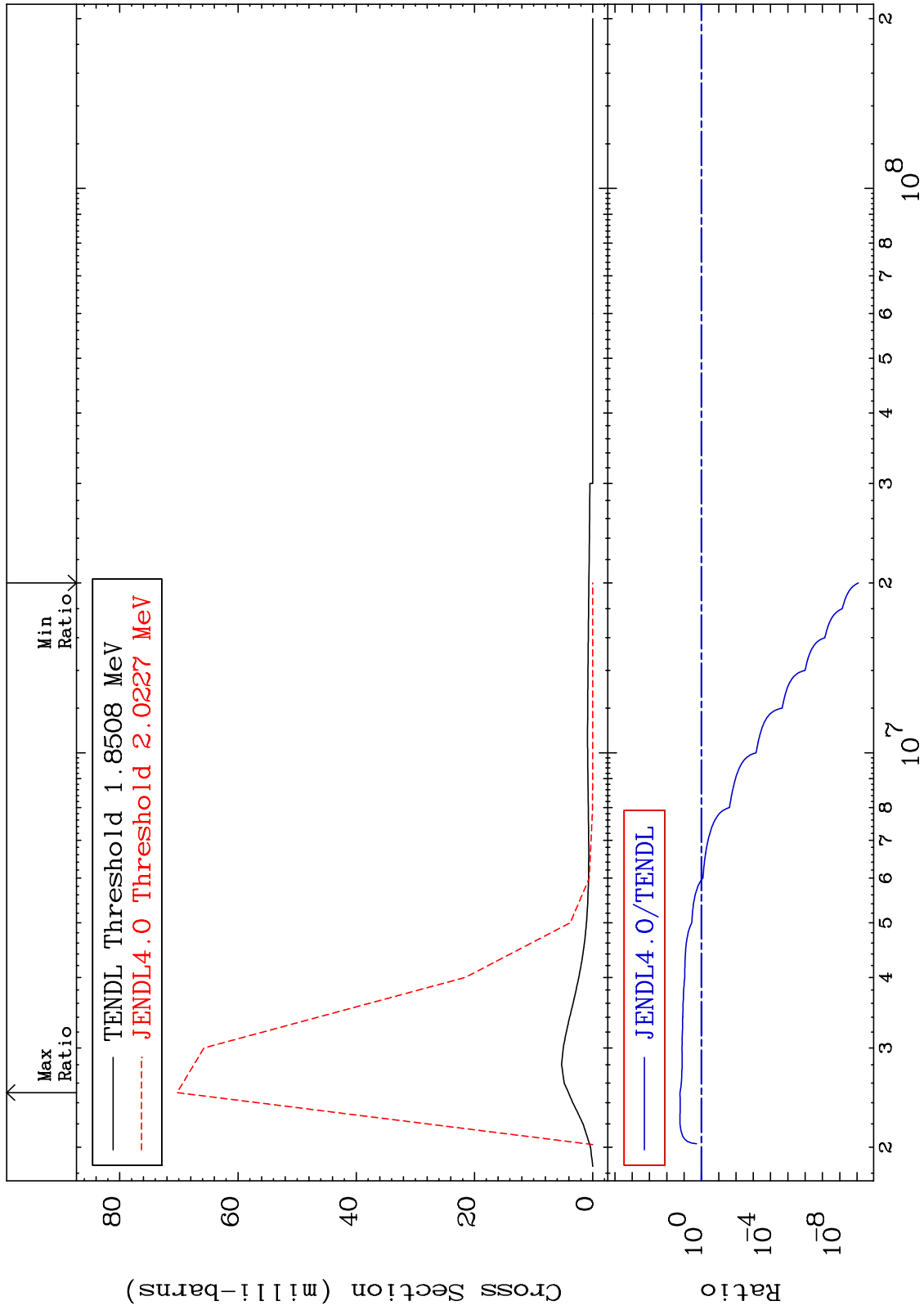
MAT 8025

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

80-Hg-196
-96.96 To 142.1 %



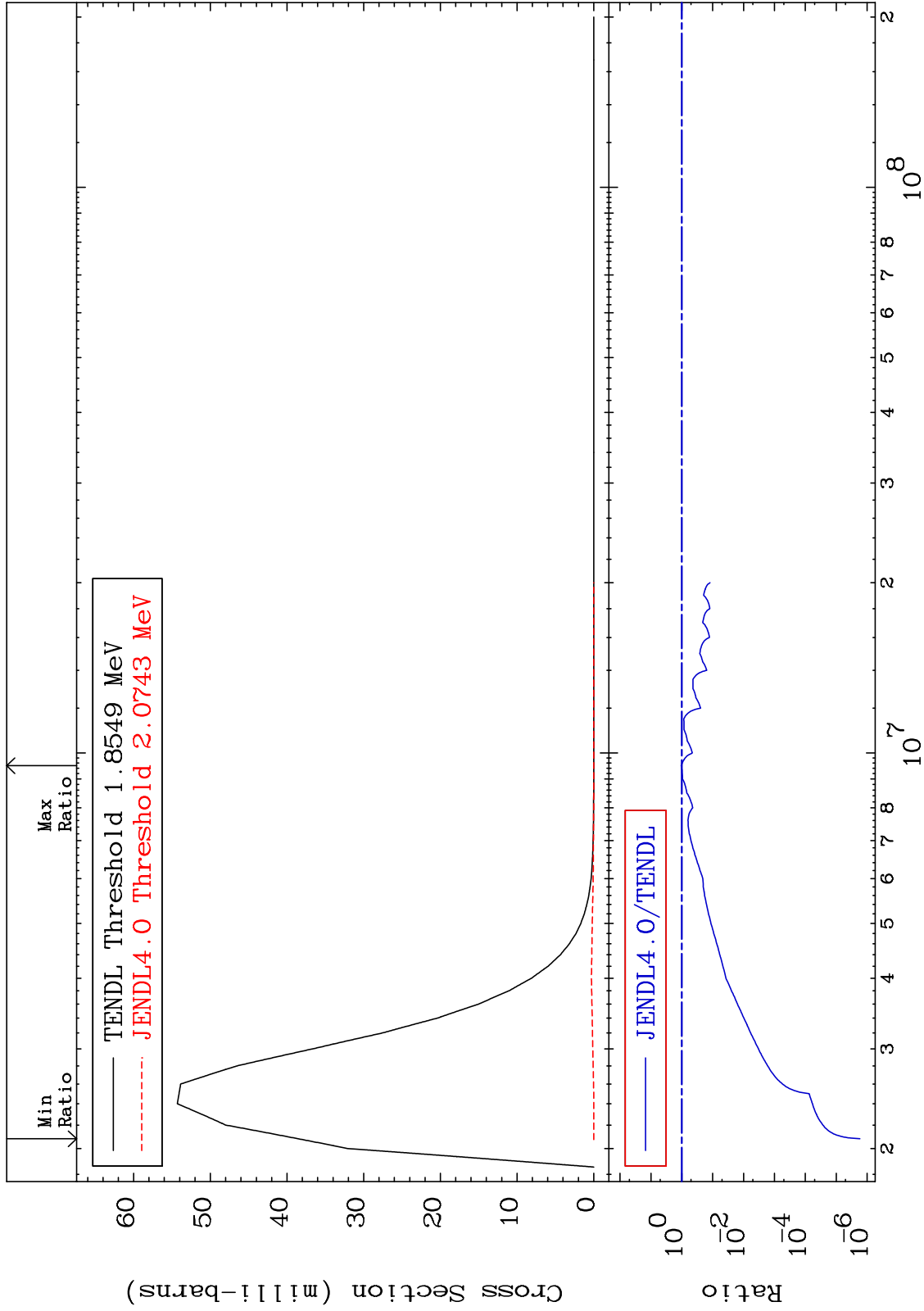
MAT 8025 MT= 64 (n,n') Level Cross Section 80-Hg-196
 -100.0 To 1613. %



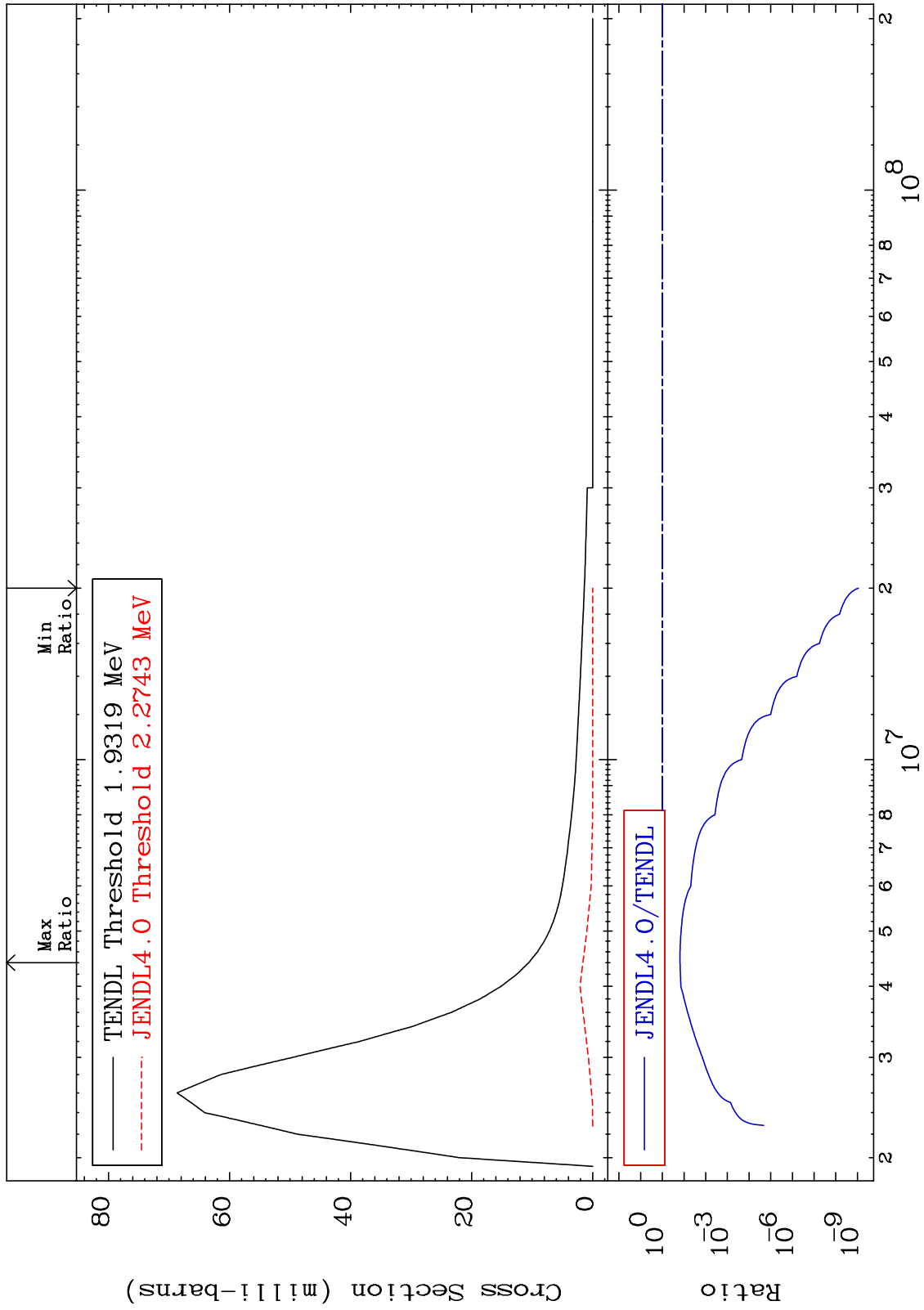
MAT 8025

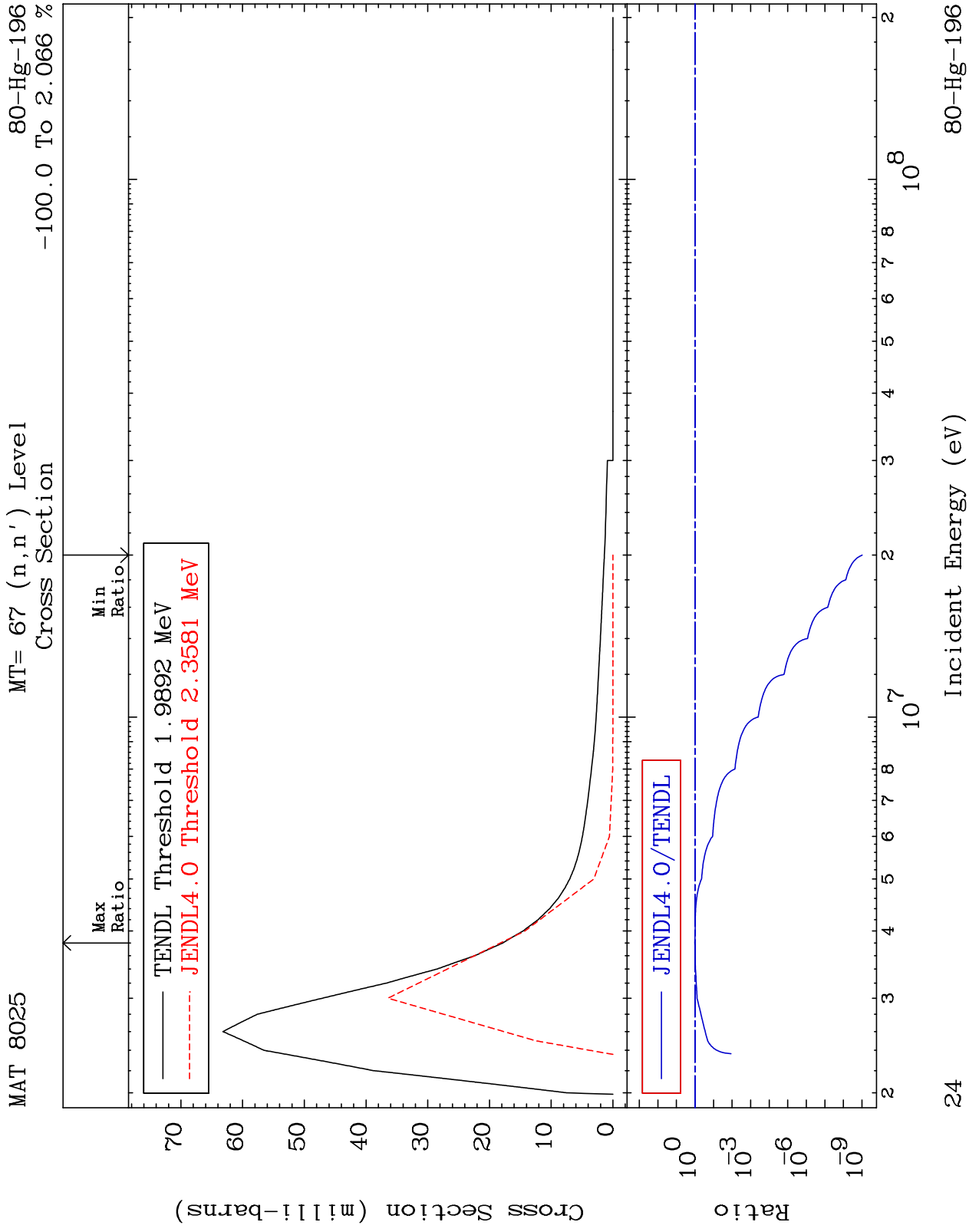
MT= 65 (n,n') Level
Cross Section

80-Hg-196
-100.0 To 4.297 %



MAT 8025 MT= 66 (n,n') Level Cross Section 80-Hg-196
 -100.0 To -84.72%

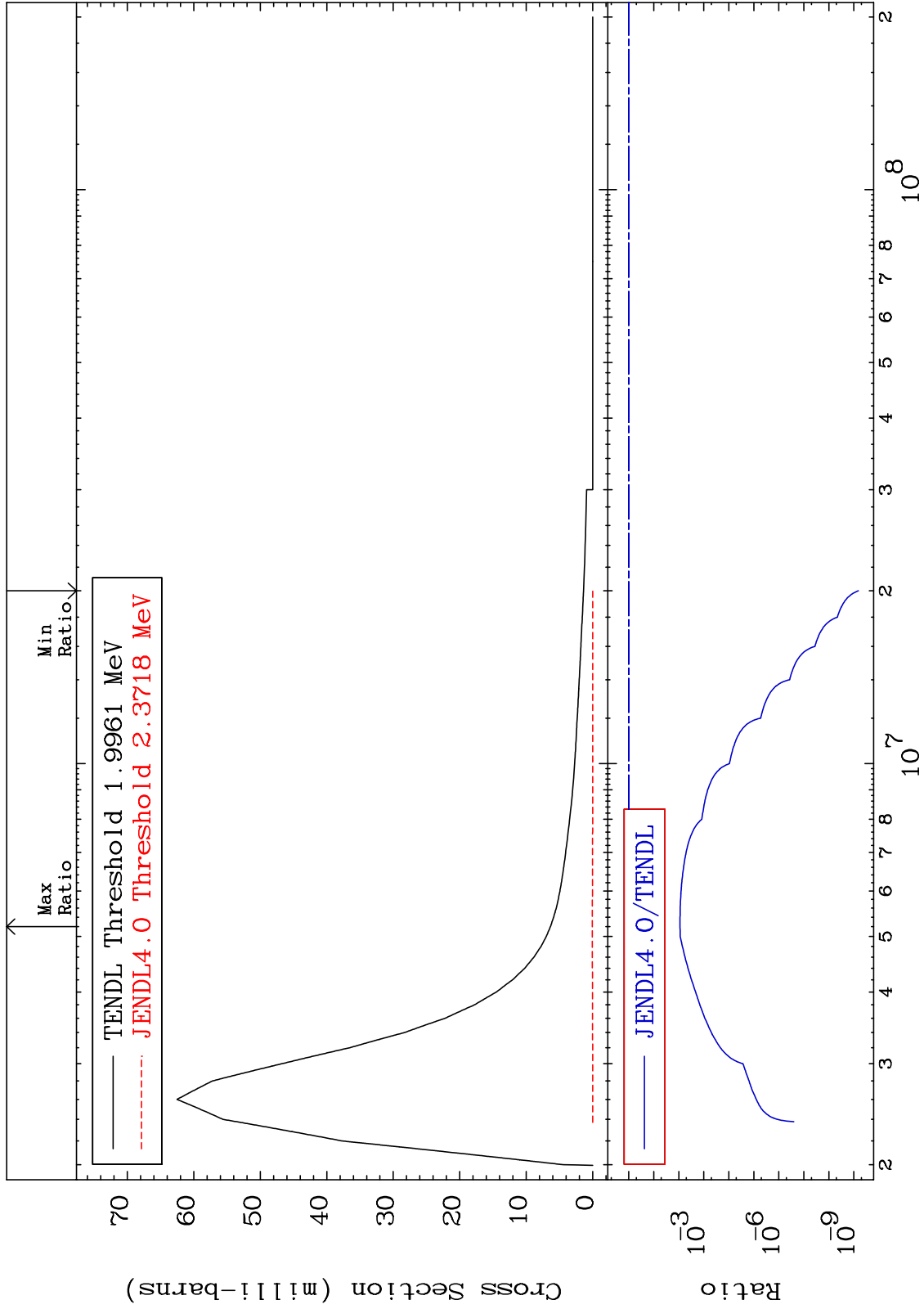




MAT 8025

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

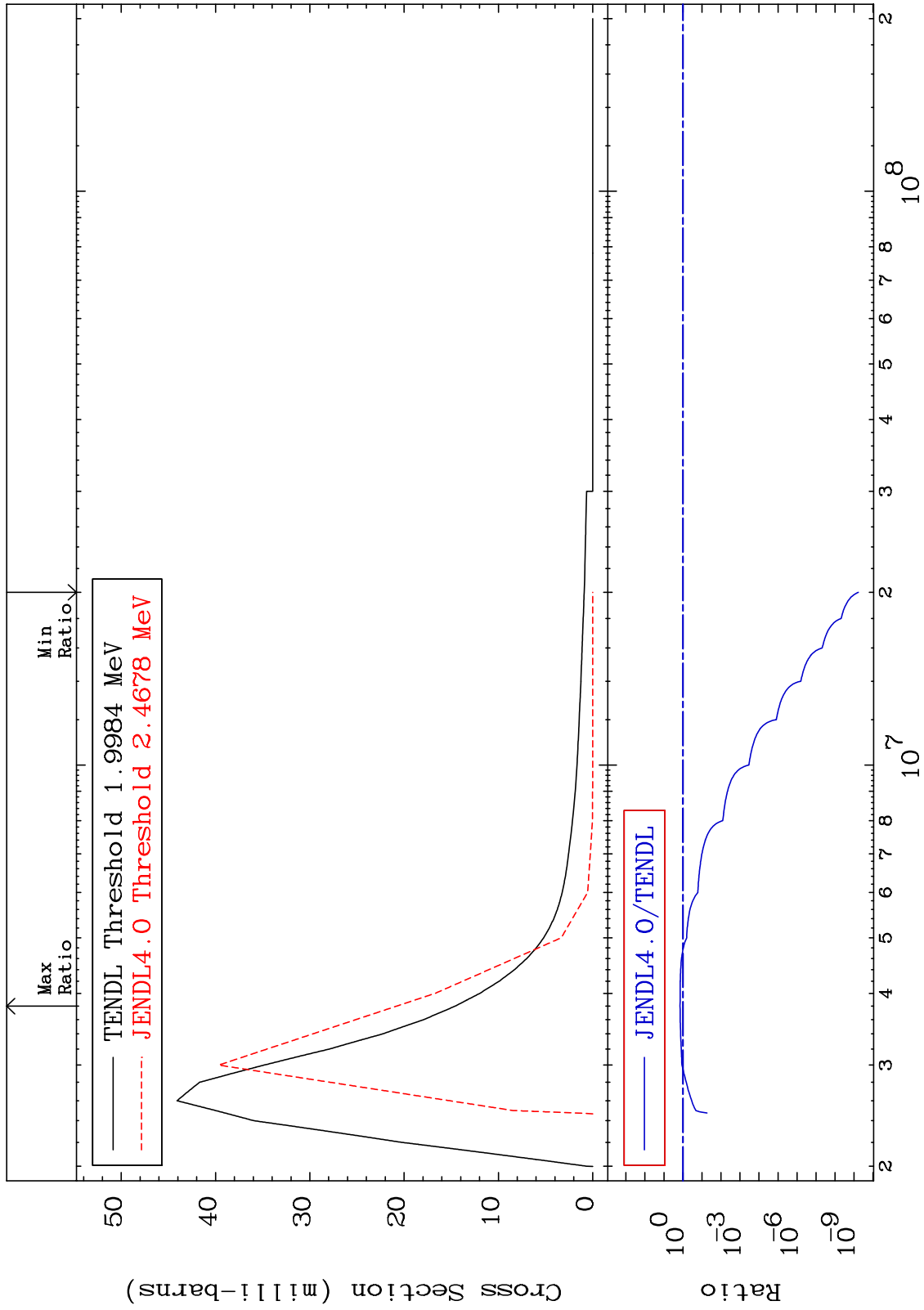
80-Hg-196
-100.0 To -99.11%



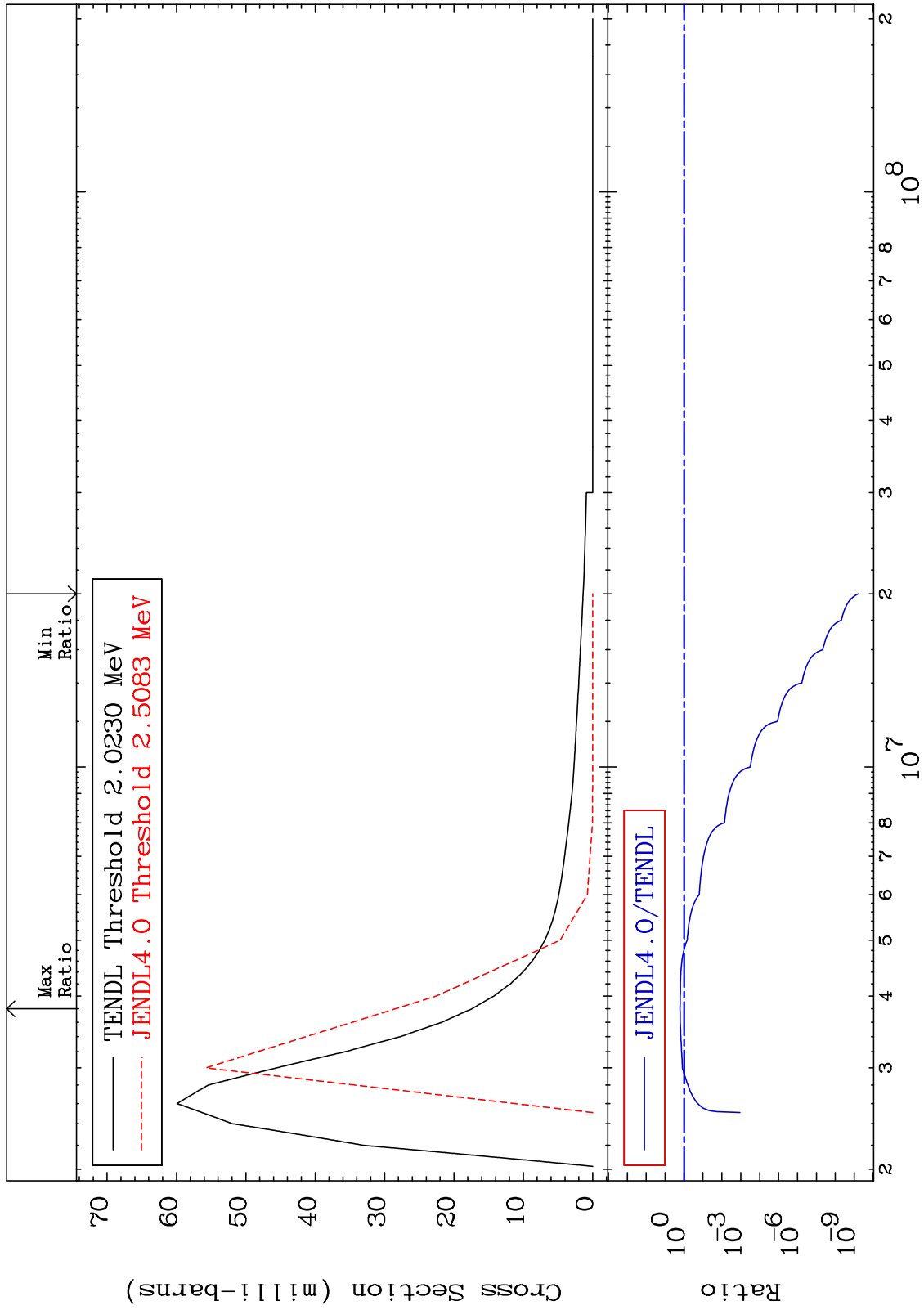
MAT 8025

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

80-Hg-196
-100.0 To 42.71 %



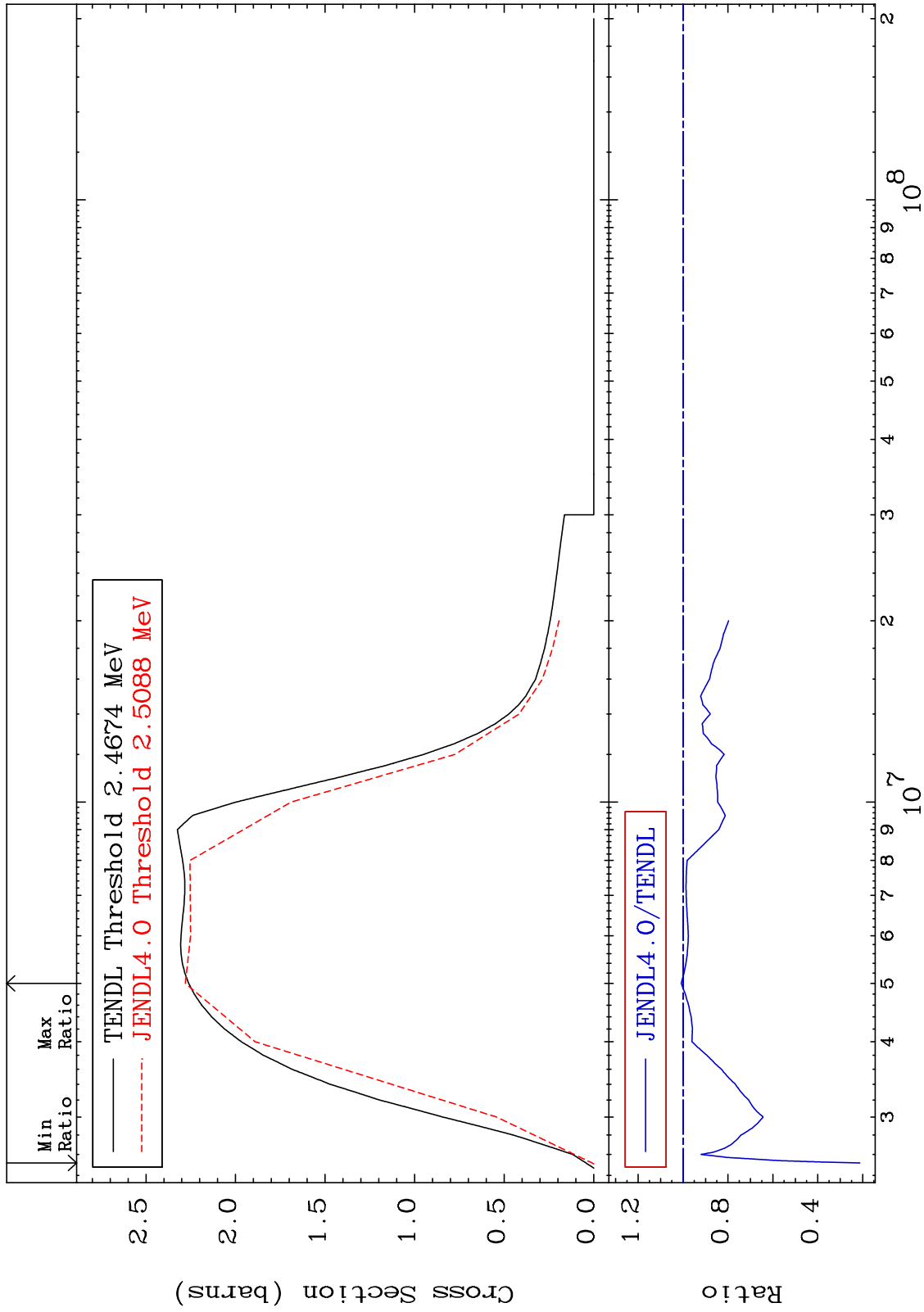
MAT 8025 MT= 70 (n,n') Level Cross Section 80-Hg-196
 -100.0 To 63.40 %



MAT 8025

(n, n') Continuum
Cross Section

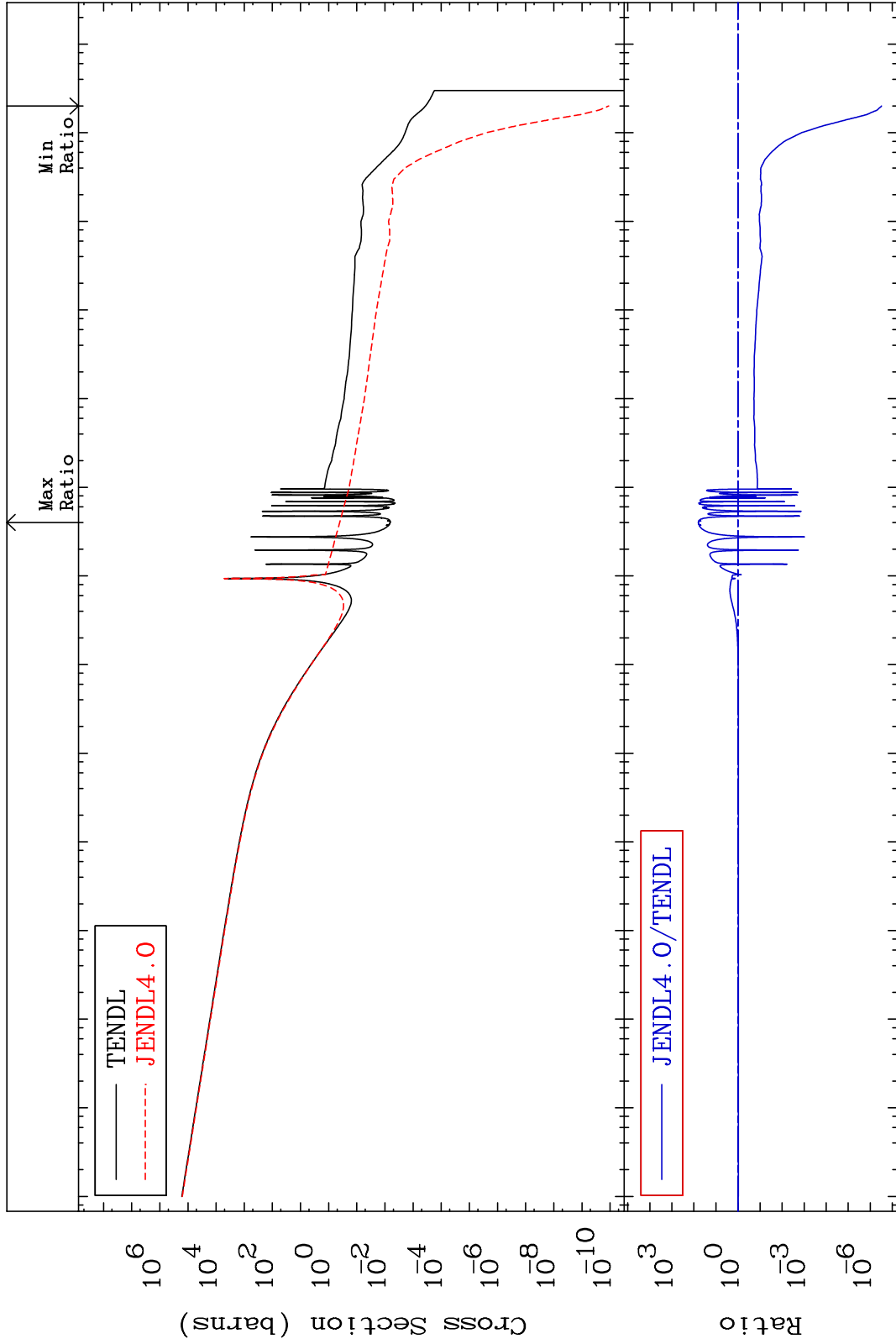
80-Hg-196
-78.75 To 0.826 %



MAT 8025

(n, γ)
Cross Section

80-Hg-196
-100.0 To 6189. %



Incident Energy (eV)

80-Hg-196

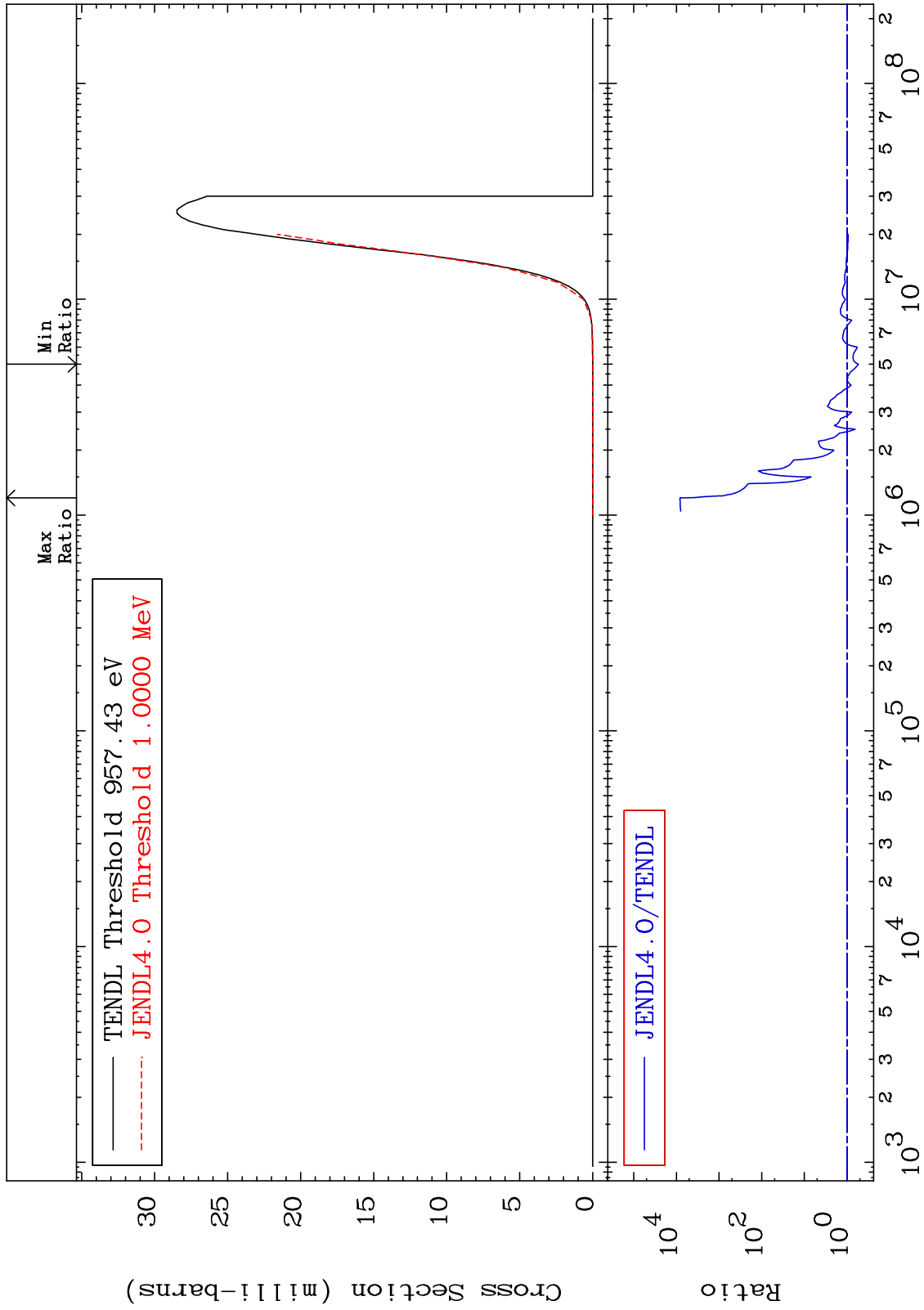
MAT 8025

(n, p)

80-Hg-196

Cross Section

-45.89 To 9999. %



30

Incident Energy (eV)

80-Hg-196

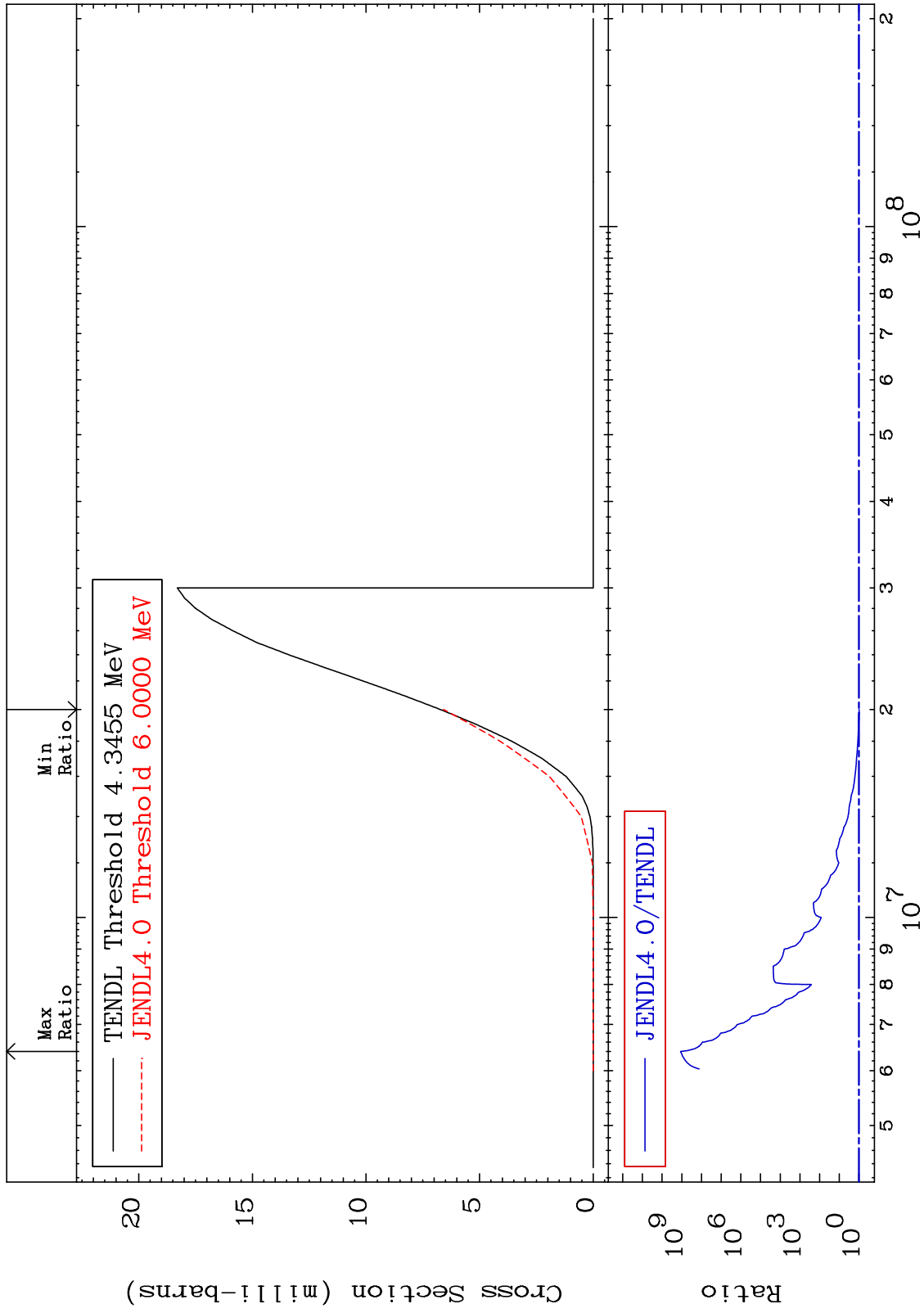
MAT 8025

(n, d)

80-Hg-196

Cross Section

-2.078 To 9999. %



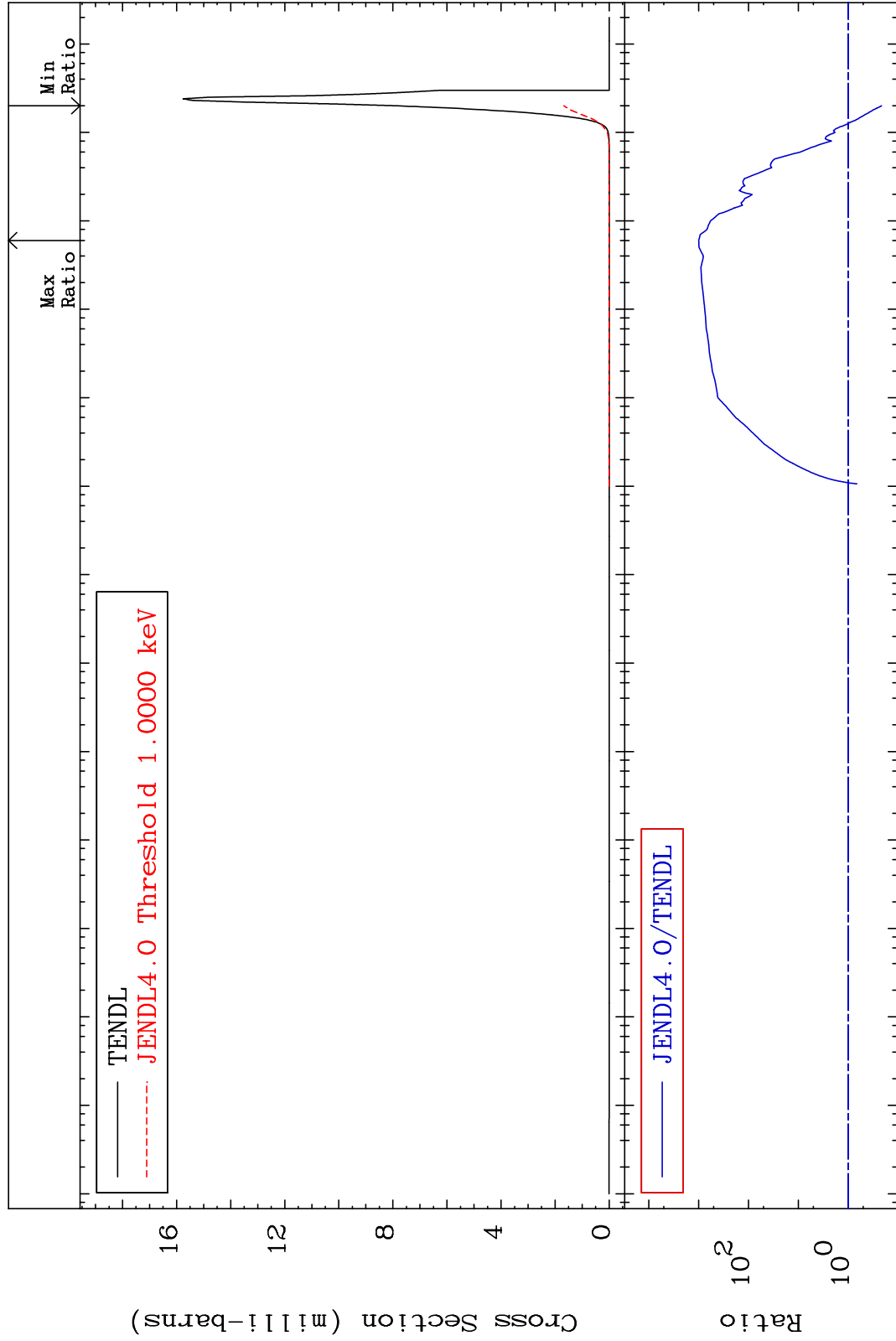
MAT 8025

(n, α)

80-Hg-196

Cross Section

-78.64 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

32

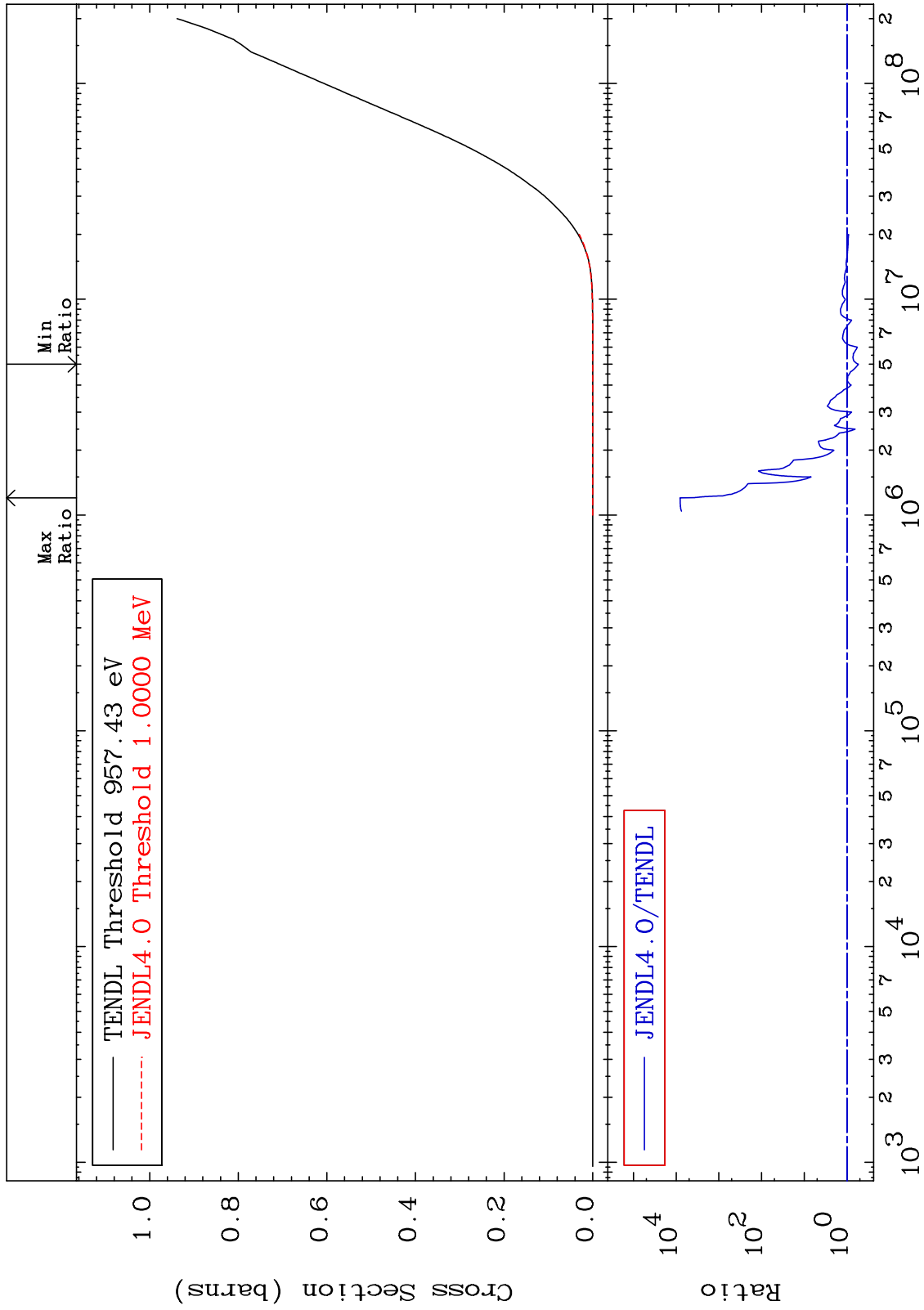
Incident Energy (eV)

80-Hg-196

MAT 8025

Hydrogen Production
Cross Section

80-Hg-196
-45.89 To 9999. %



Incident Energy (eV)

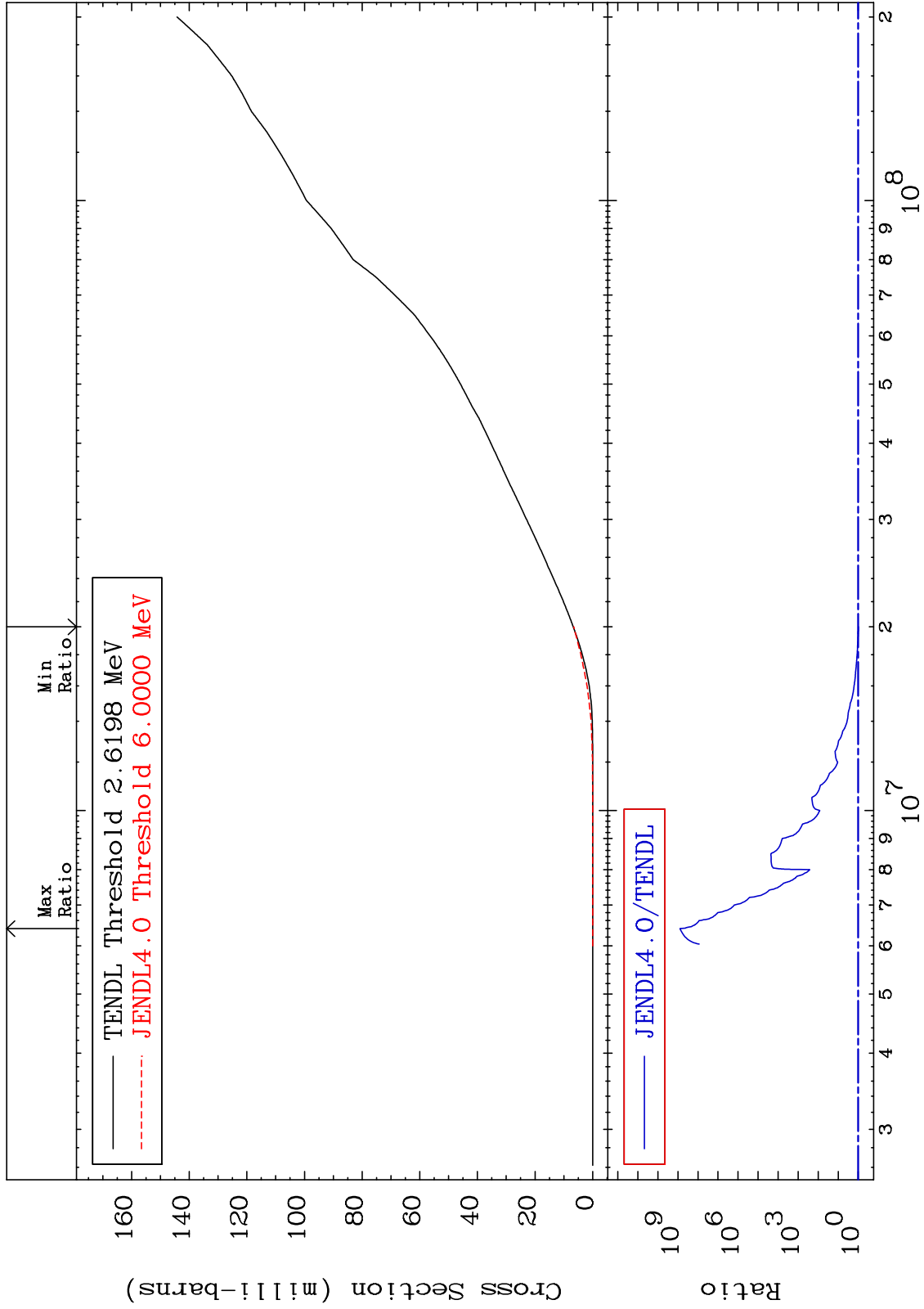
80-Hg-196

33

MAT 8025

Deuterium Production
Cross Section

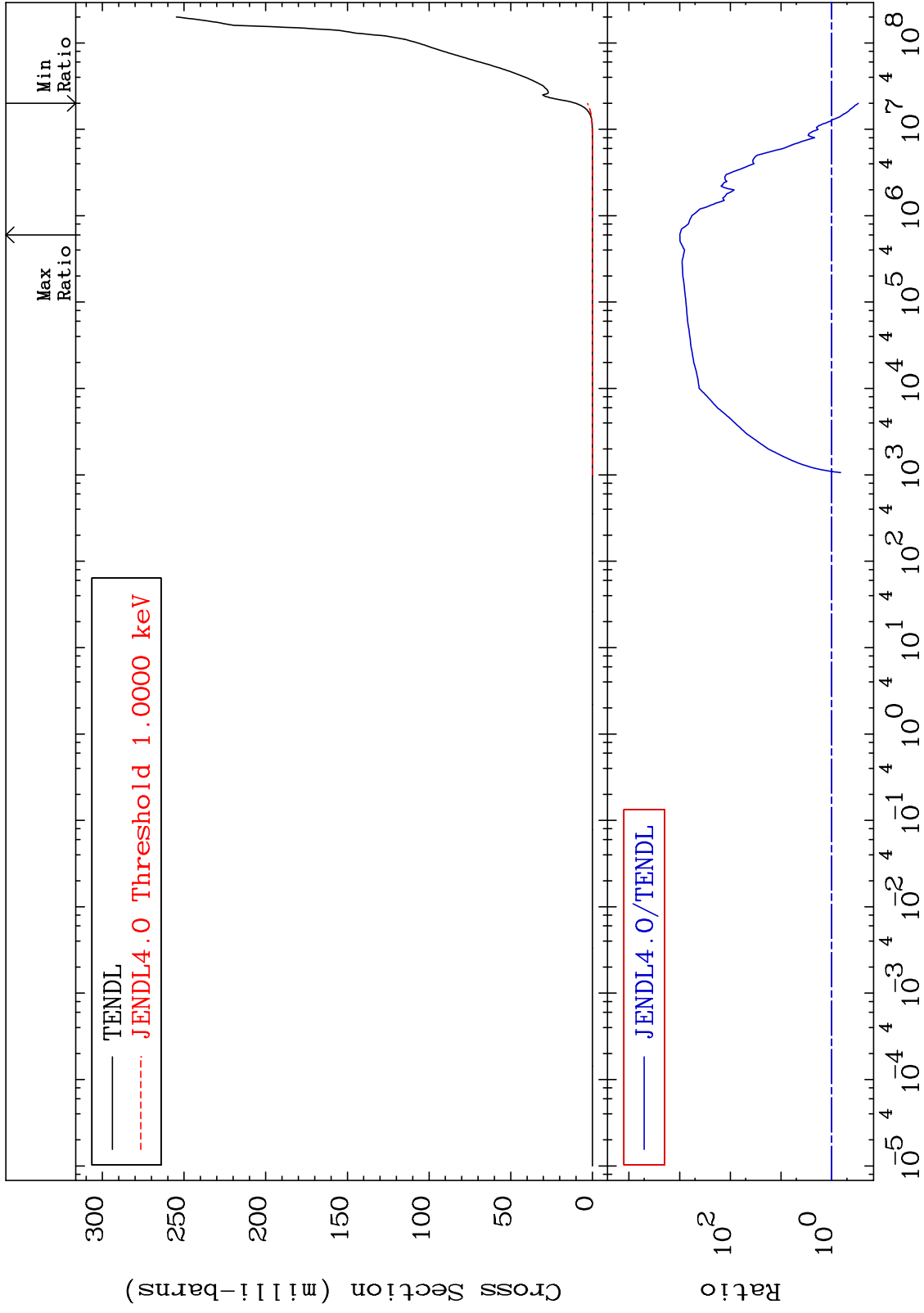
80-Hg-196
-2.083 To 9999. %



MAT 8025

He-4 Production
Cross Section

80-Hg-196
-70.08 To 9999. %



35

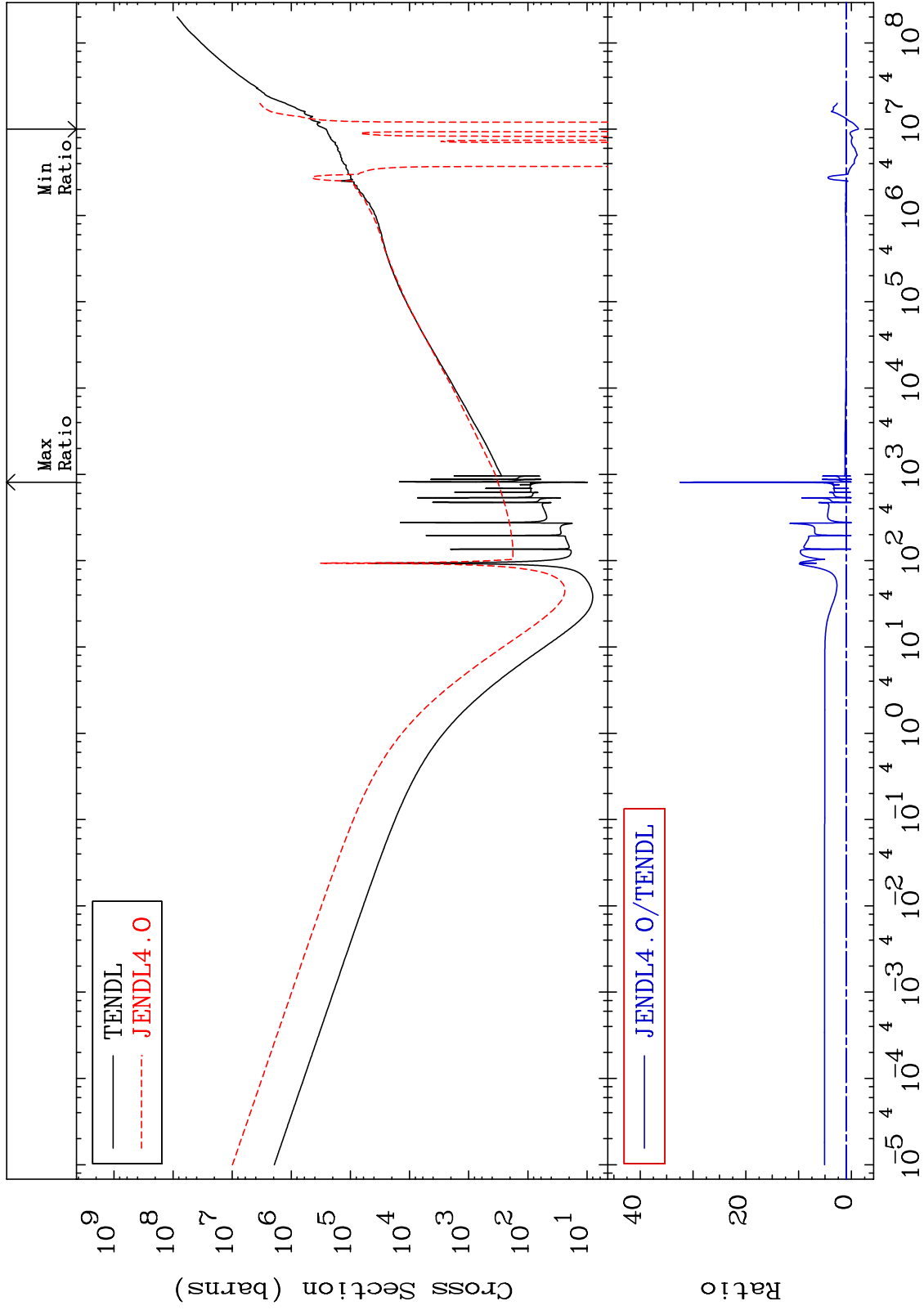
Incident Energy (eV)

80-Hg-196

MAT 8025

Kerma total (eV-barns)
Cross Section

80-Hg-196
-231.0 To 3147. %



36

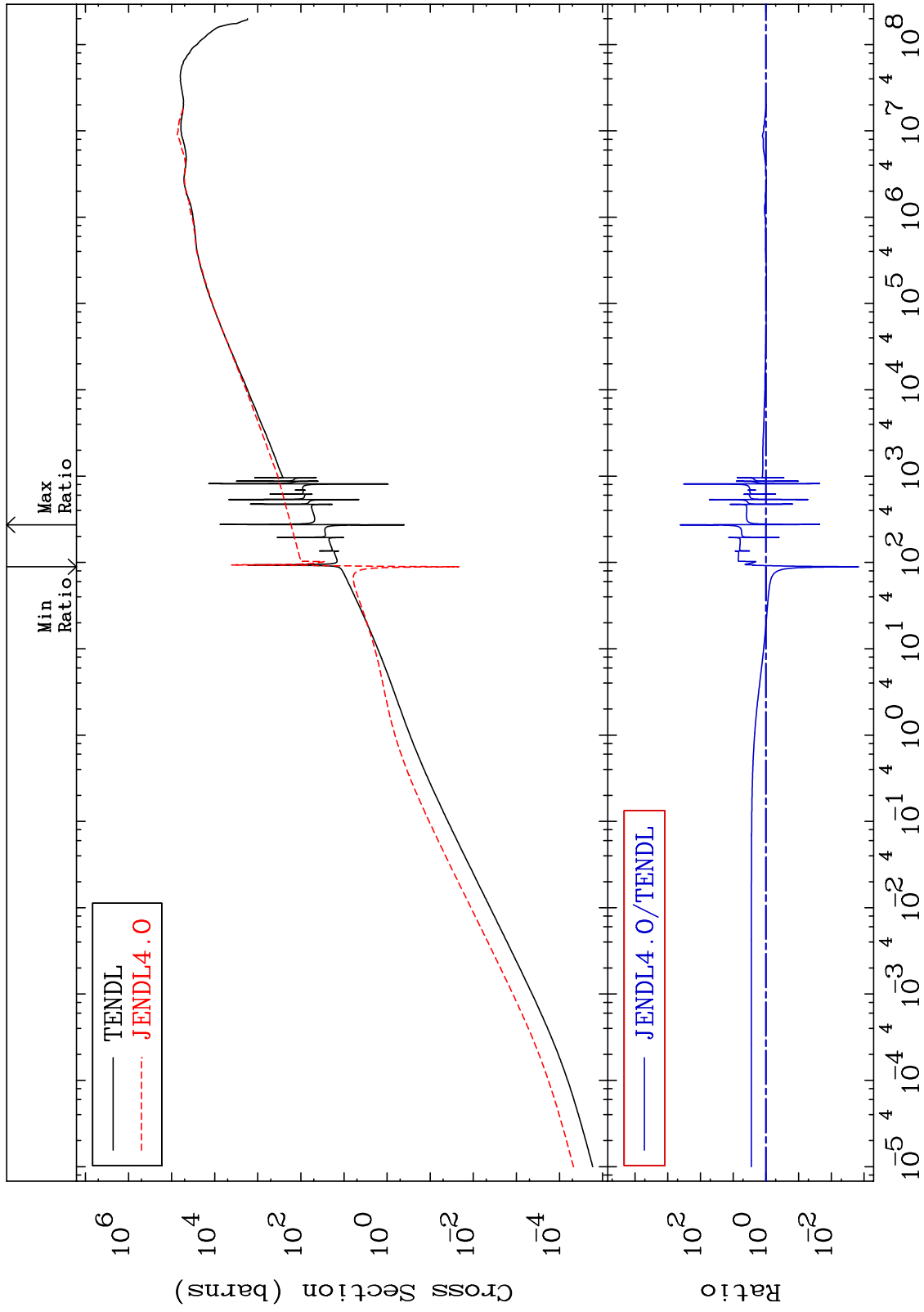
Incident Energy (eV)

80-Hg-196

MAT 8025

Kerma elastic
Cross Section

80-Hg-196
-99.85 To 9999. %



37

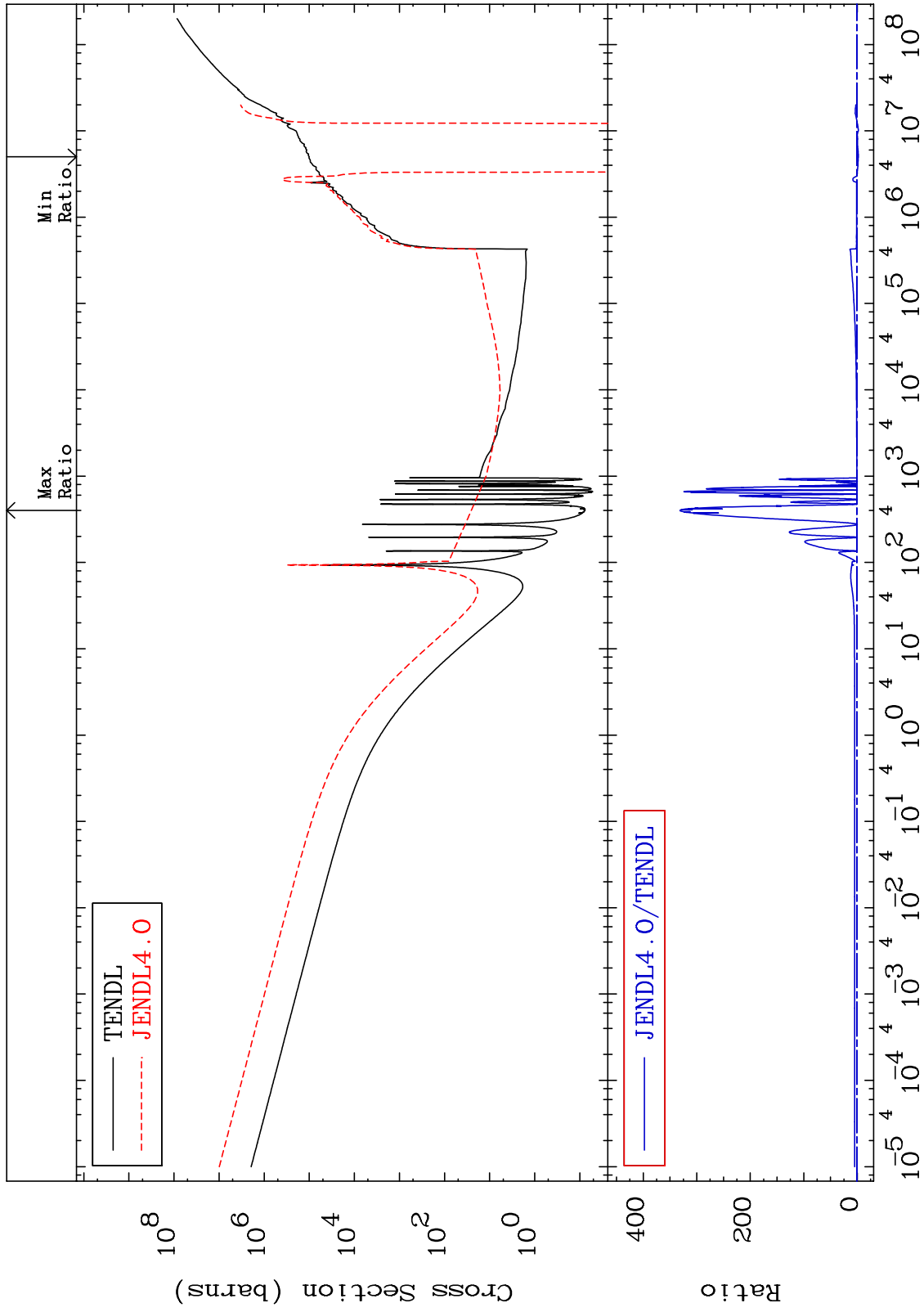
Incident Energy (eV)

80-Hg-196

MAT 8025

Kerma non-elastic (all but mt2)
Cross Section

80-Hg-196
-311.0 To 9999. %



38

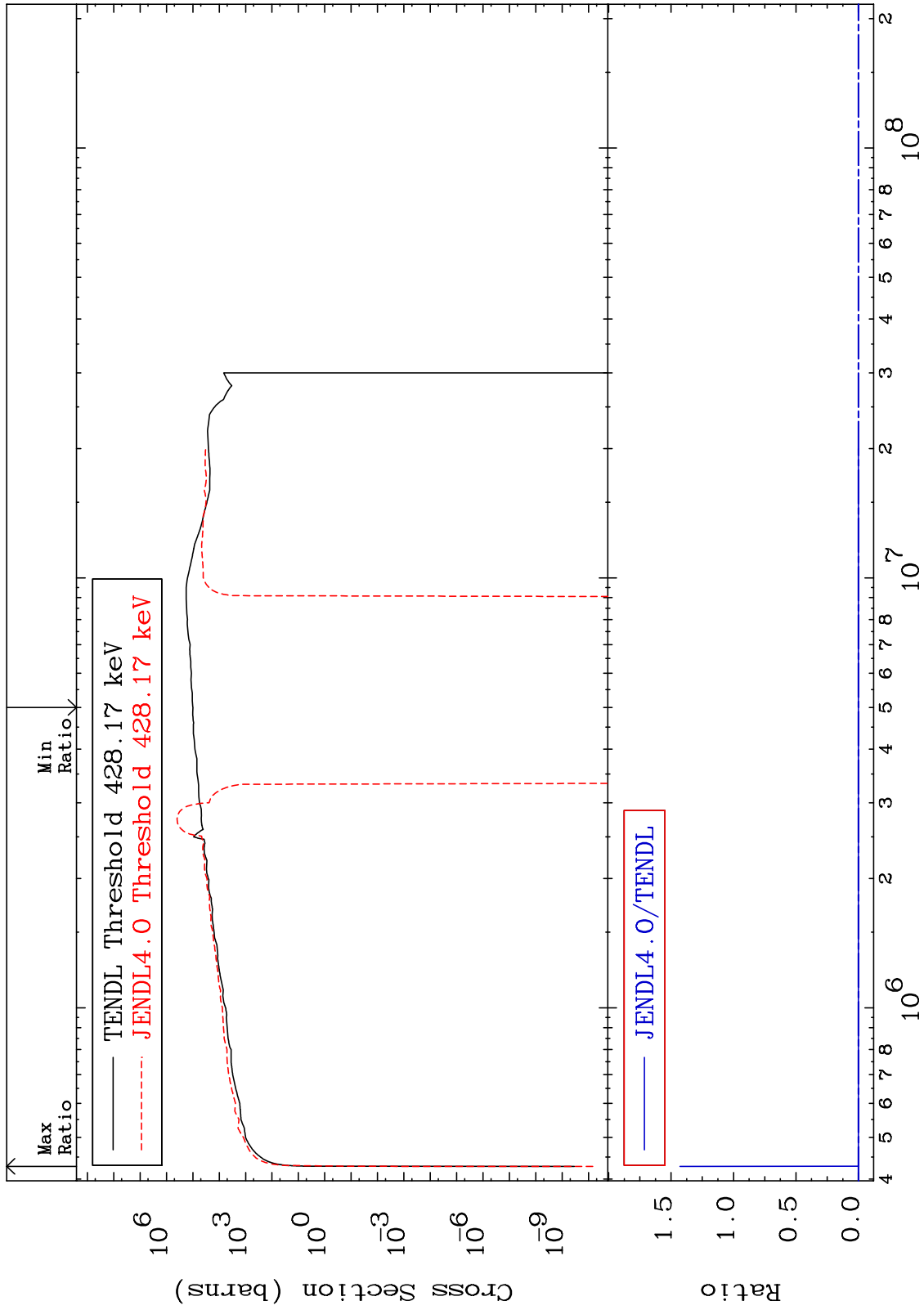
Incident Energy (eV)

80-Hg-196

MAT 8025

Kerma inelastic (mt51-91)
Cross Section

80-Hg-196
-311.1 To 9999. %



39

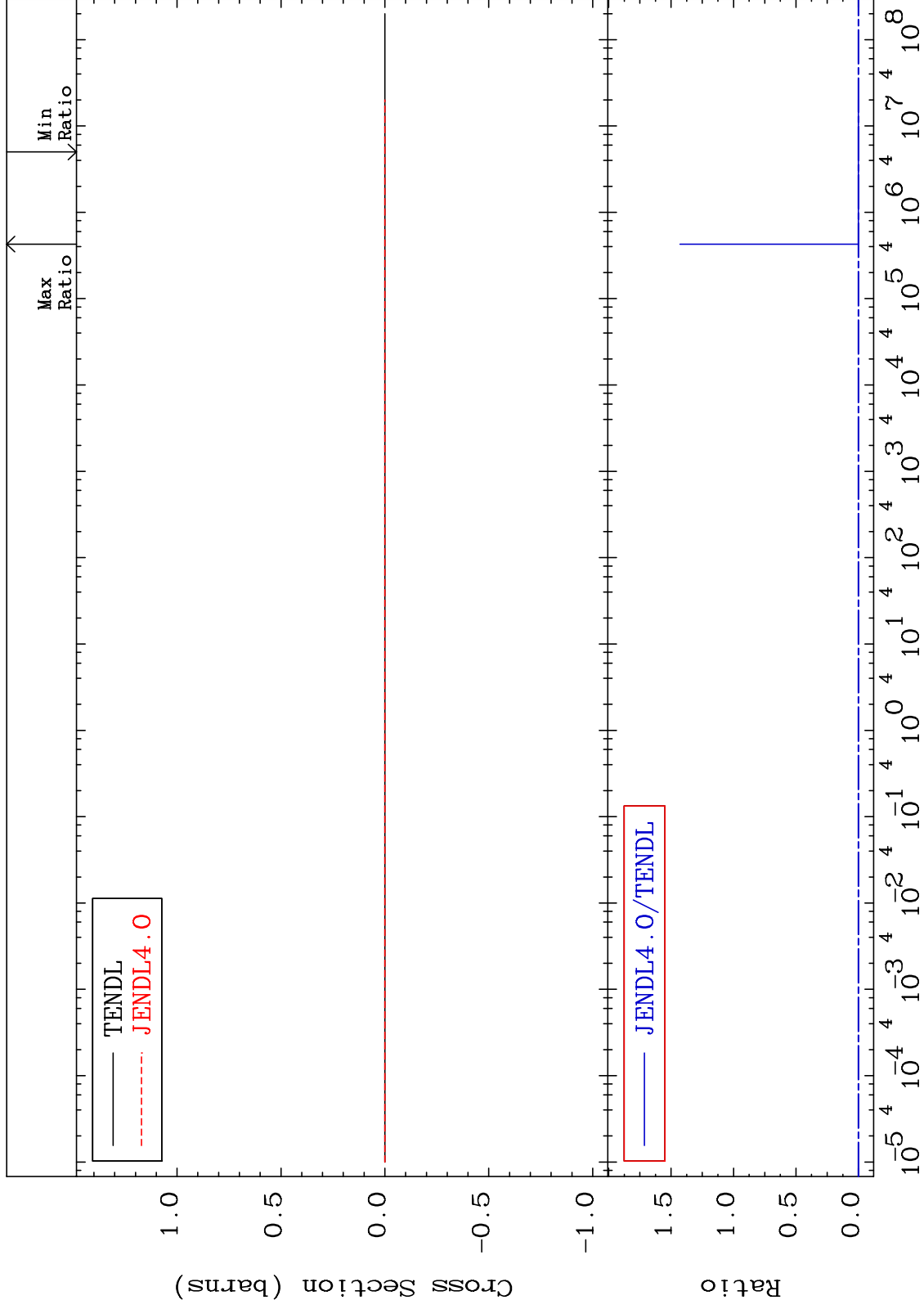
Incident Energy (eV)

80-Hg-196

MAT 8025

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

80-Hg-196
-311.1 To 9999. %



40

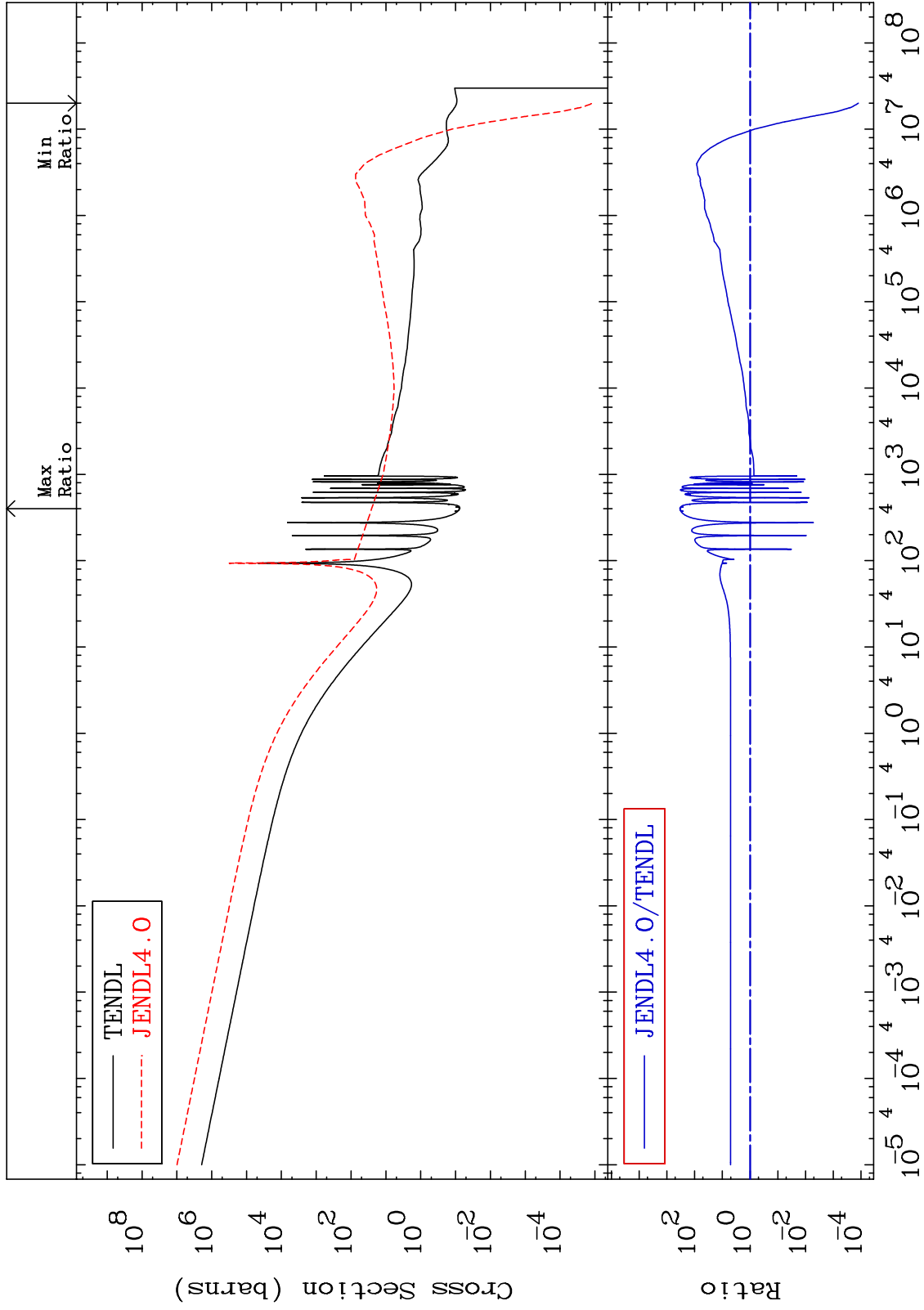
Incident Energy (eV)

80-Hg-196

MAT 8025

Kerma capture (mt102)
Cross Section

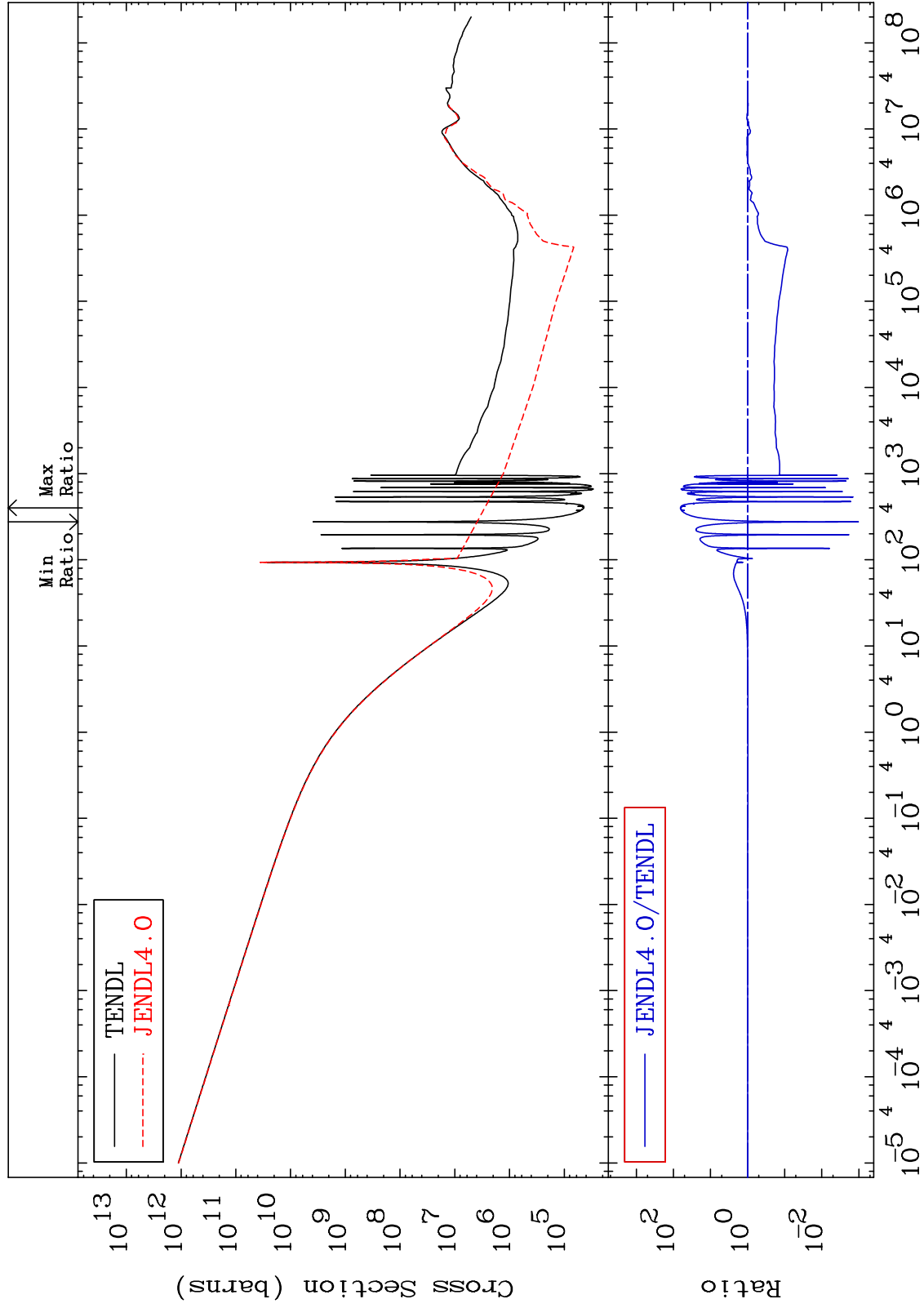
80-Hg-196
-99.99 To 9999. %



MAT 8025

Total photon (eV-barns)
Cross Section

80-Hg-196
-99.90 To 6371. %



42

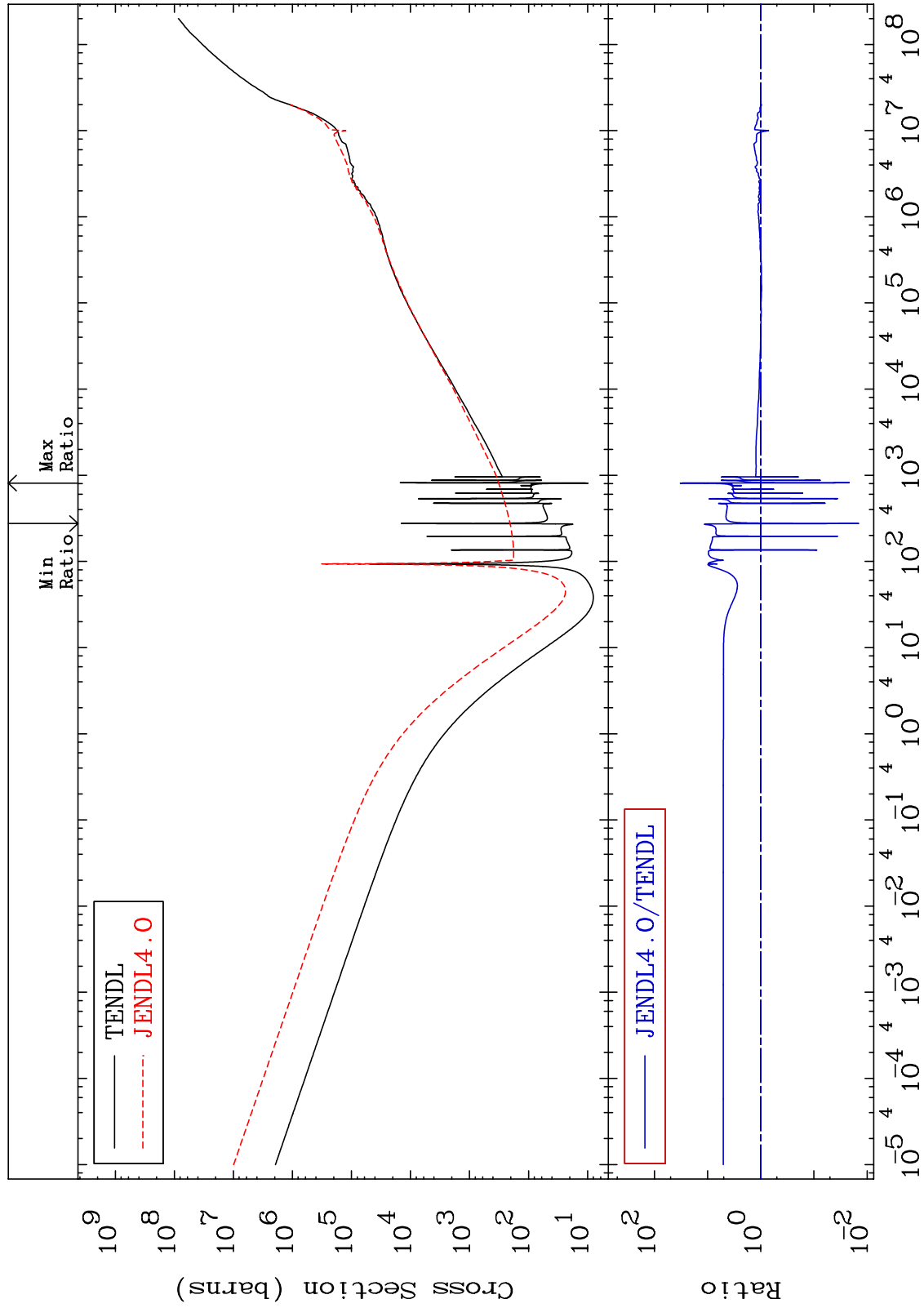
Incident Energy (eV)

80-Hg-196

MAT 8025

Total kinematic kerma (high limit)
Cross Section

80-Hg-196
-98.55 To 3147. %



43

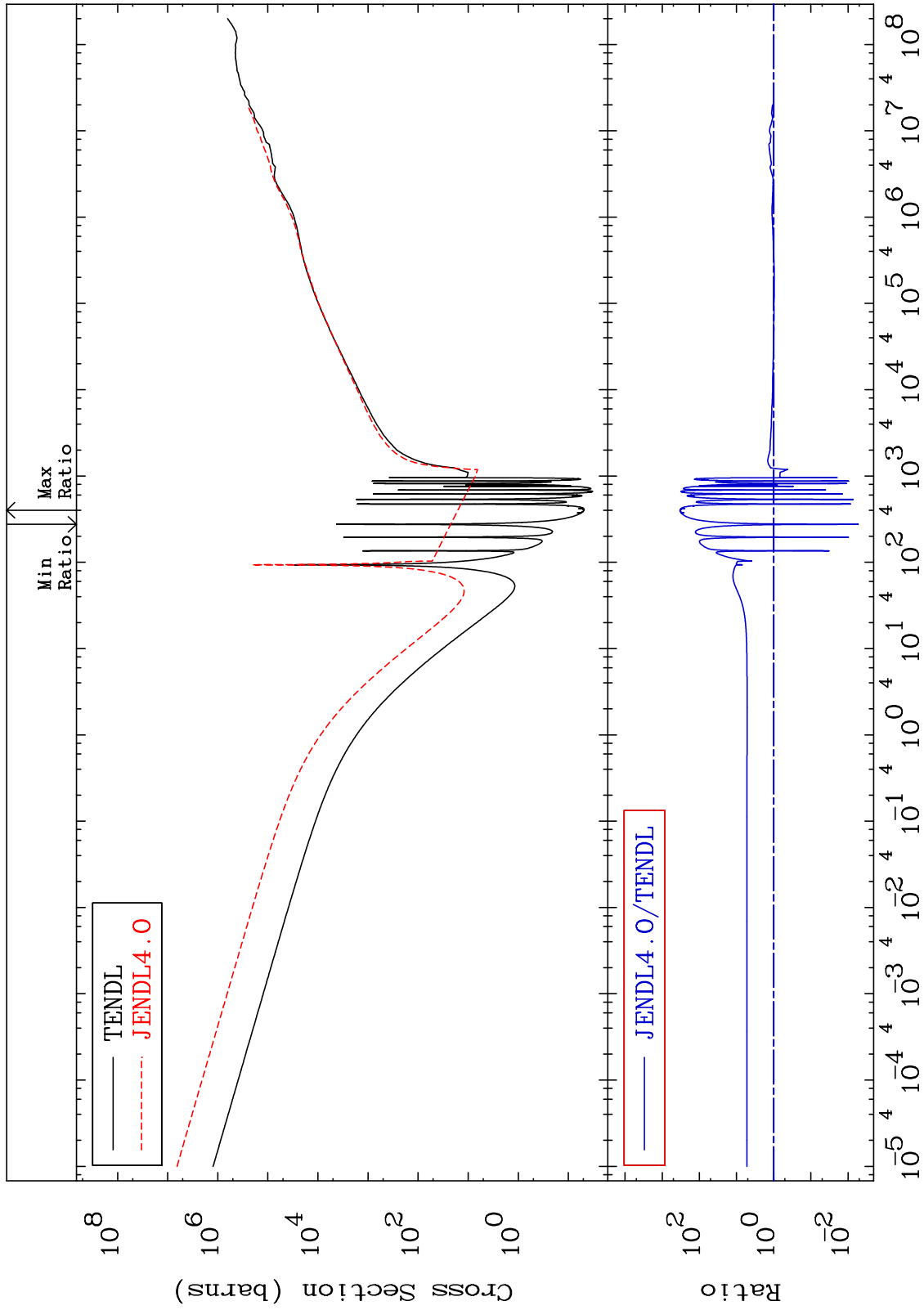
Incident Energy (eV)

80-Hg-196

MAT 8025

Dpa total (eV-barns)
Cross Section

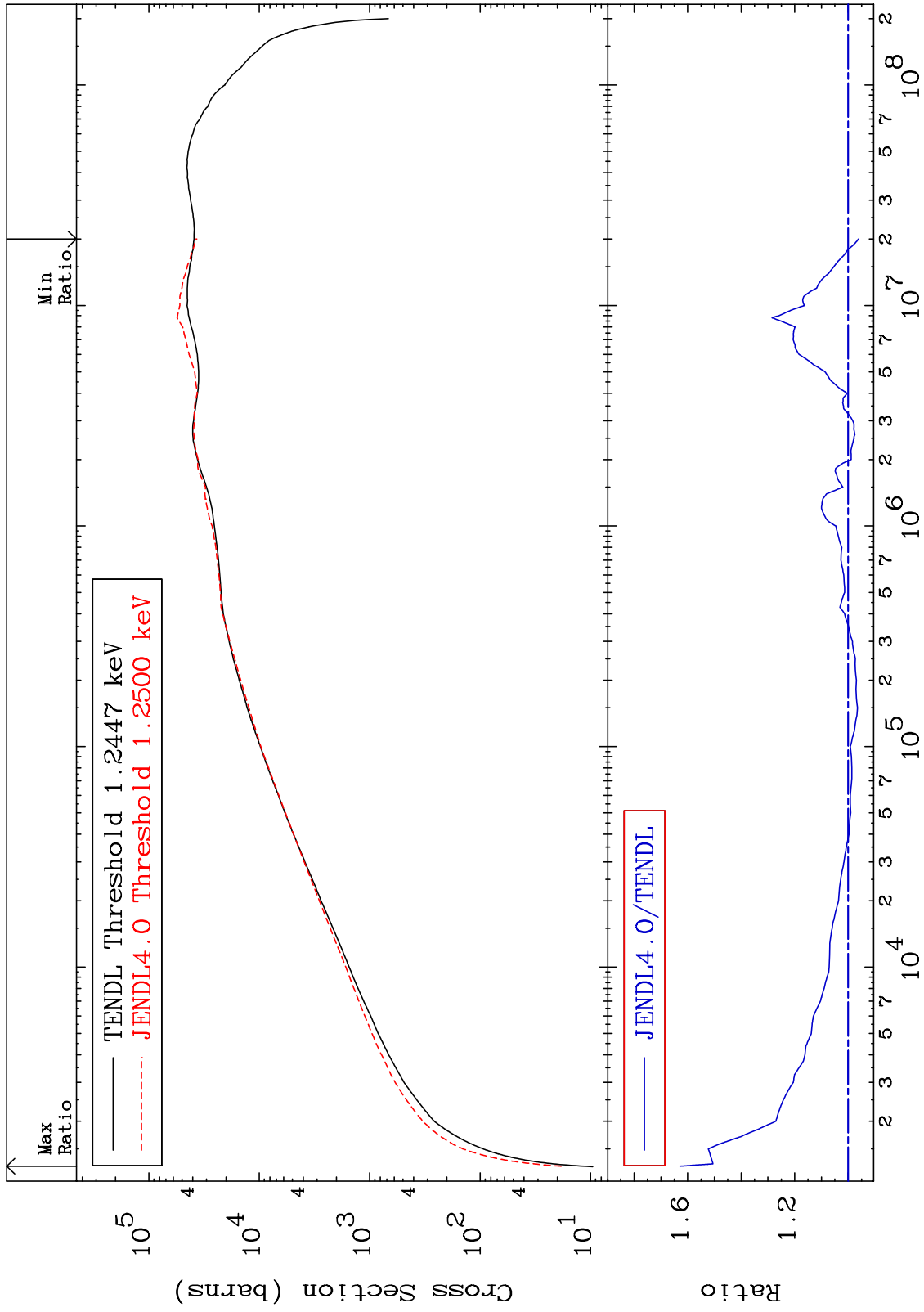
80-Hg-196
-99.47 To 9999. %



MAT 8025

Dpa elastic (mt2)
Cross Section

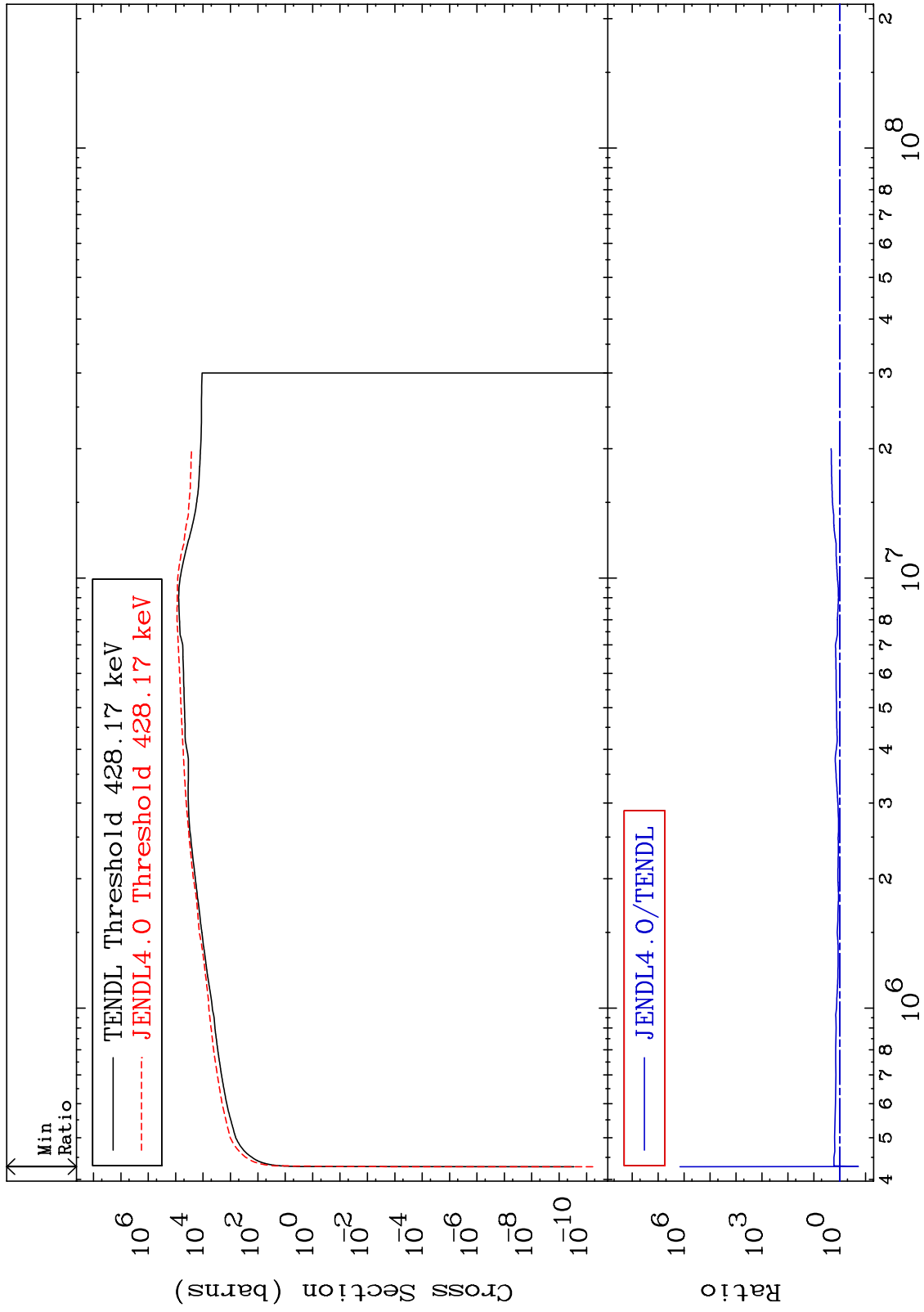
80-Hg-196
-3.809 To 62.84 %



MAT 8025

Dpa inelastic (mt51-91)
Cross Section

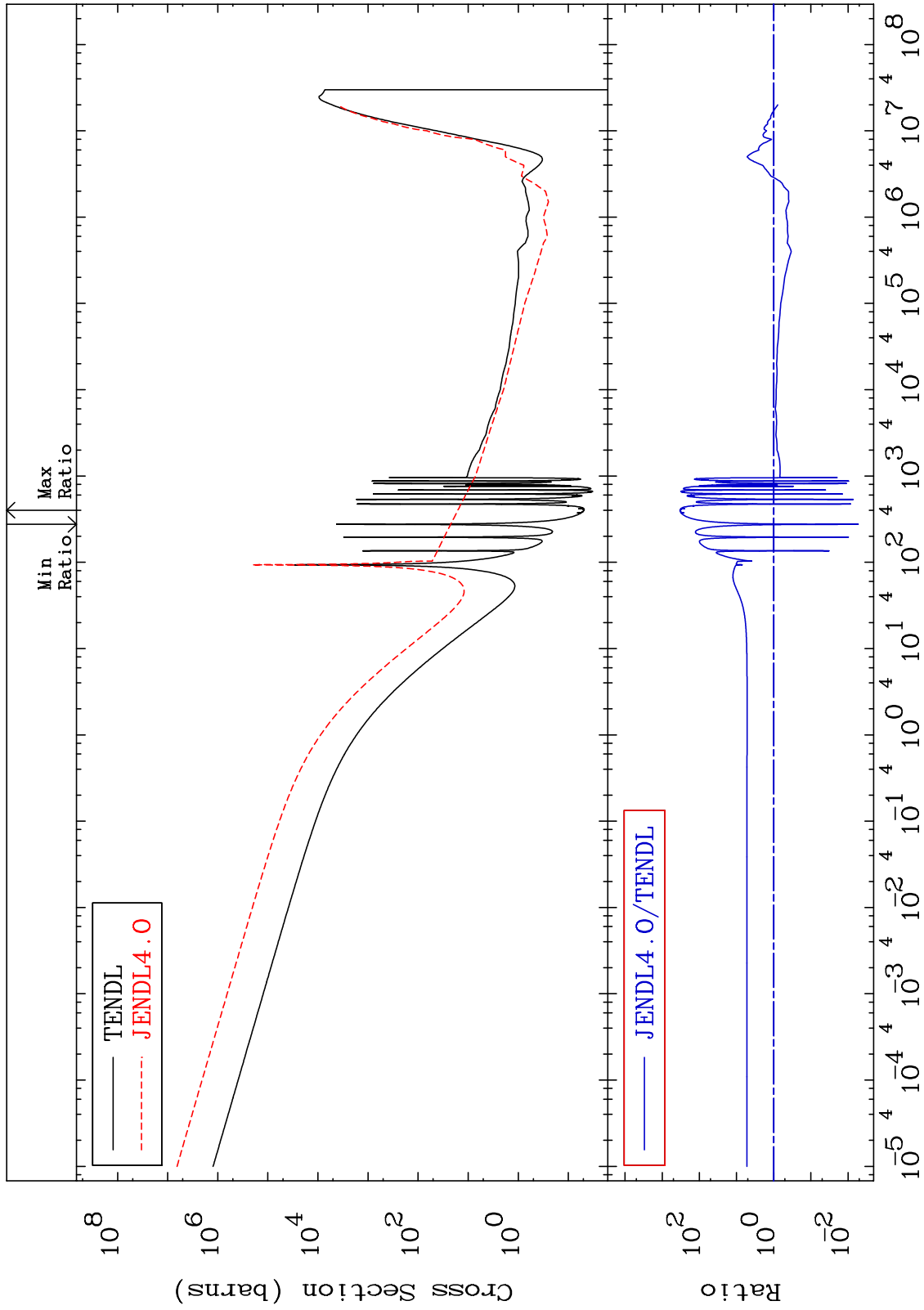
80-Hg-196
-80.98 To 9999. %



MAT 8025

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-196
-99.47 To 9999. %



47

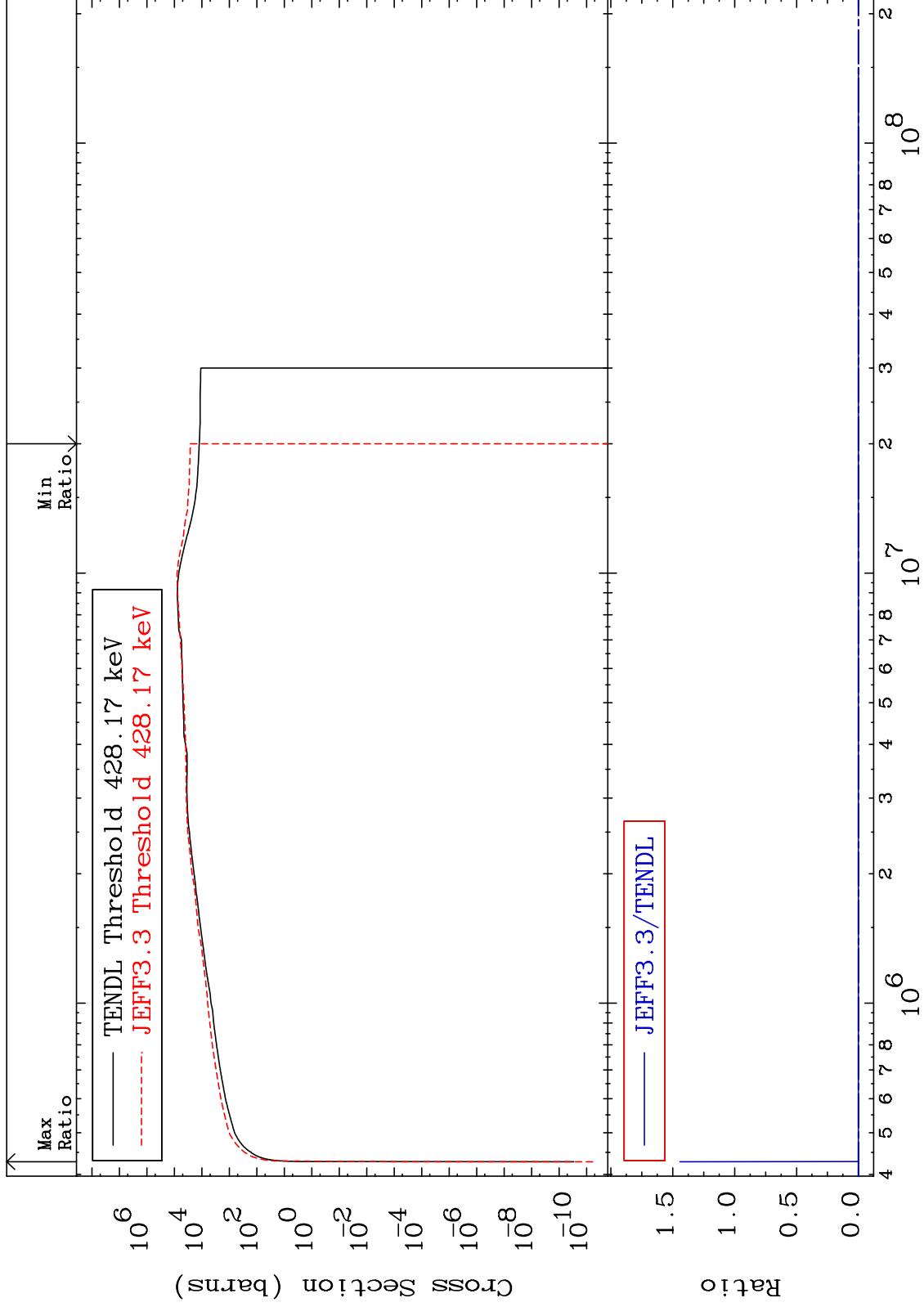
Incident Energy (eV)

80-Hg-196

MAT 8025

Dpa inelastic (mt51-91)
Cross Section

80-Hg-196
-100.0 To 9999. %



48

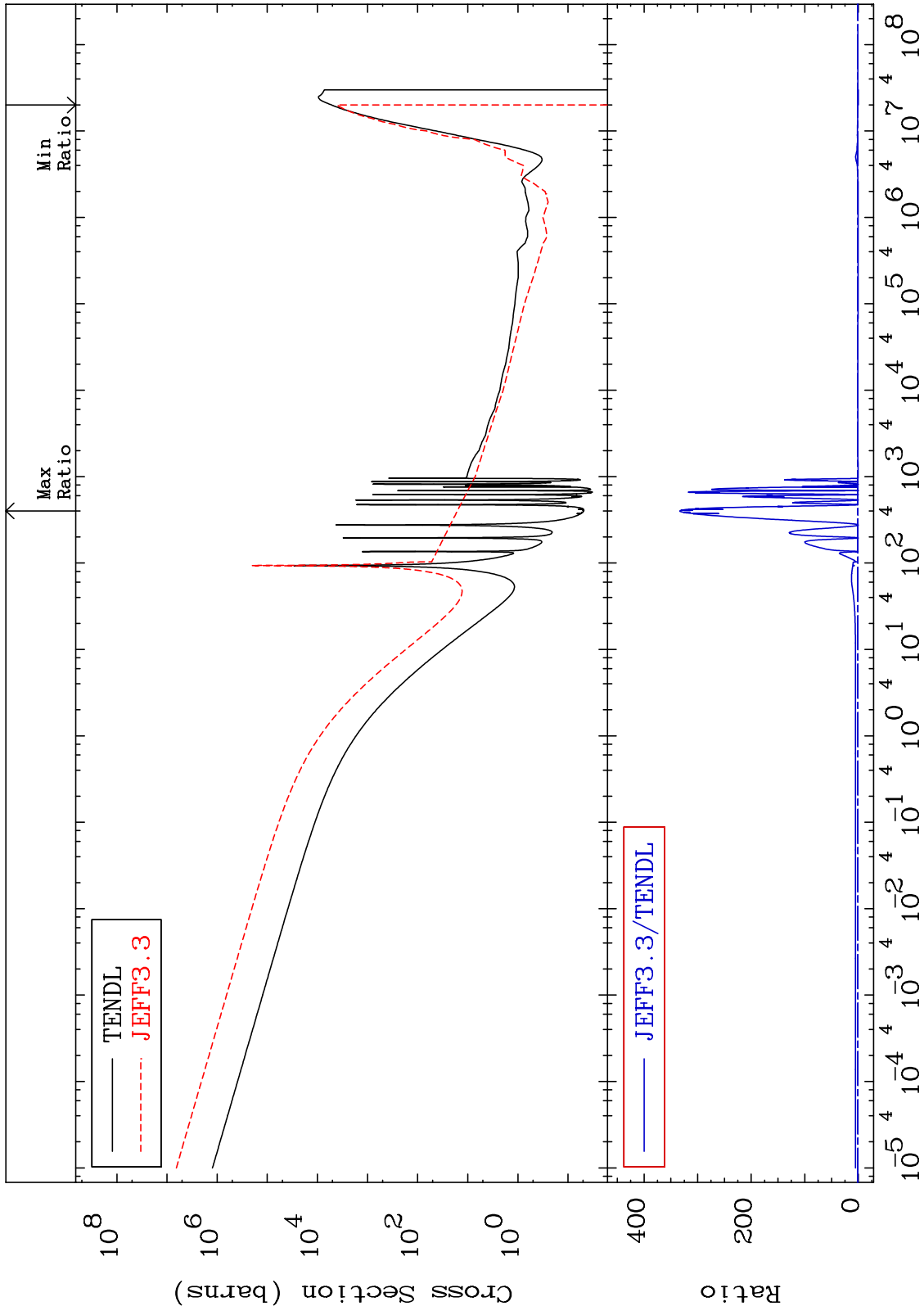
Incident Energy (eV)

80-Hg-196

MAT 8025

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-196
-100.0 To 9999. %



49

Incident Energy (eV)

80-Hg-196