

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

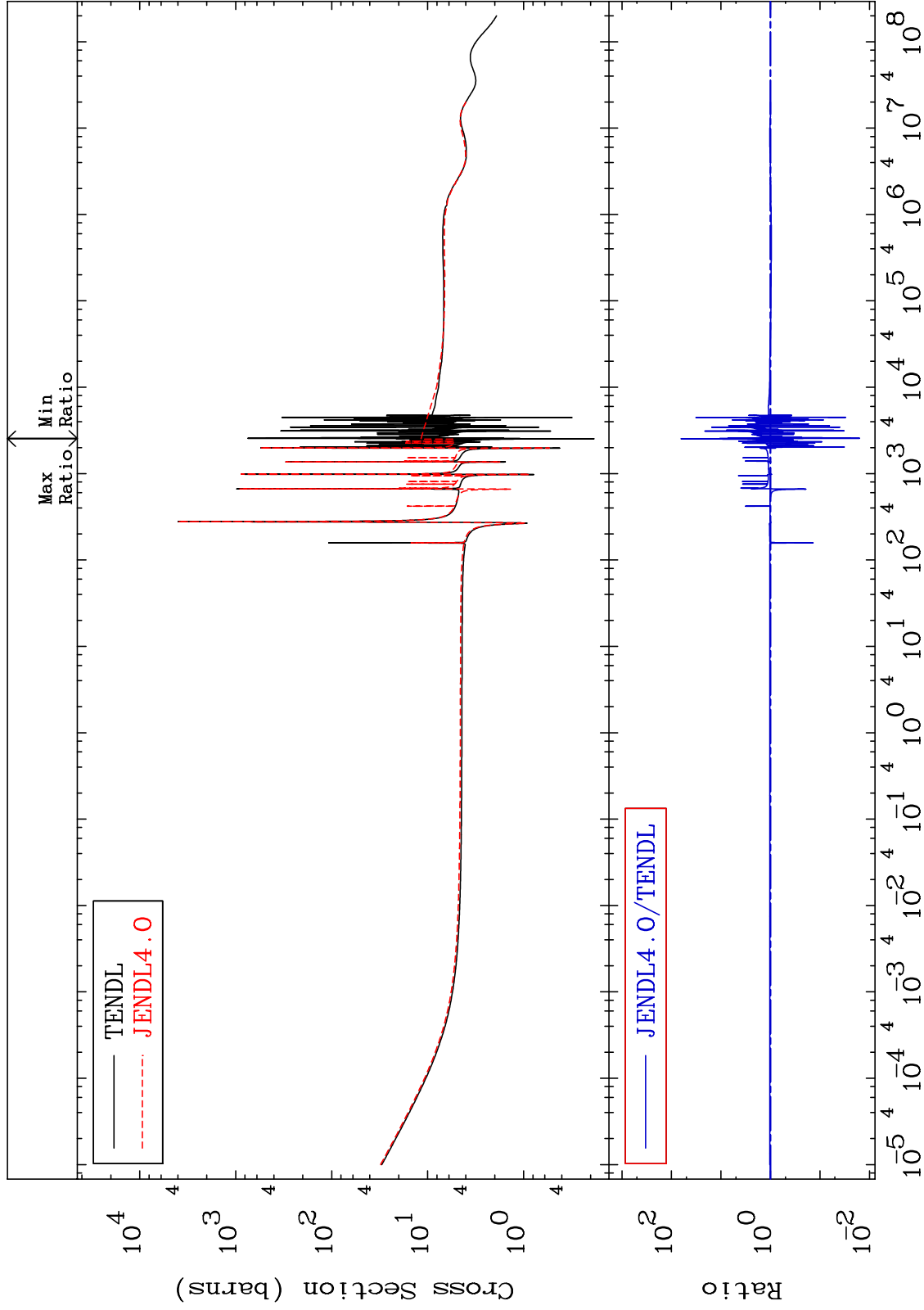
MAT 5031

Total

50-Sn-114

Cross Section

-98.42 To 6240. %



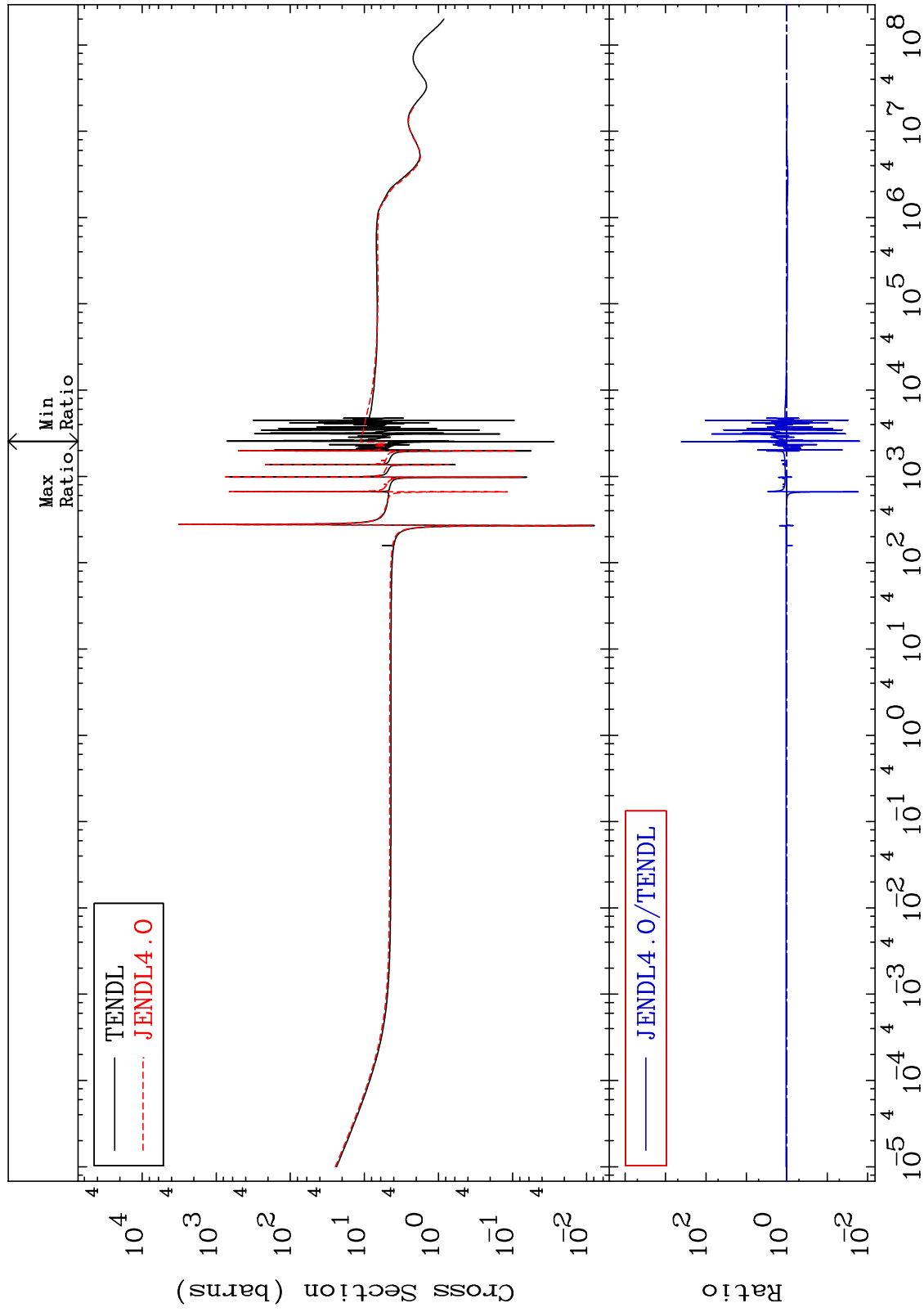
Incident Energy (eV)

50-Sn-114

MAT 5031

Elastic
Cross Section

50-Sn-114
-98.44 To 9999. %



2

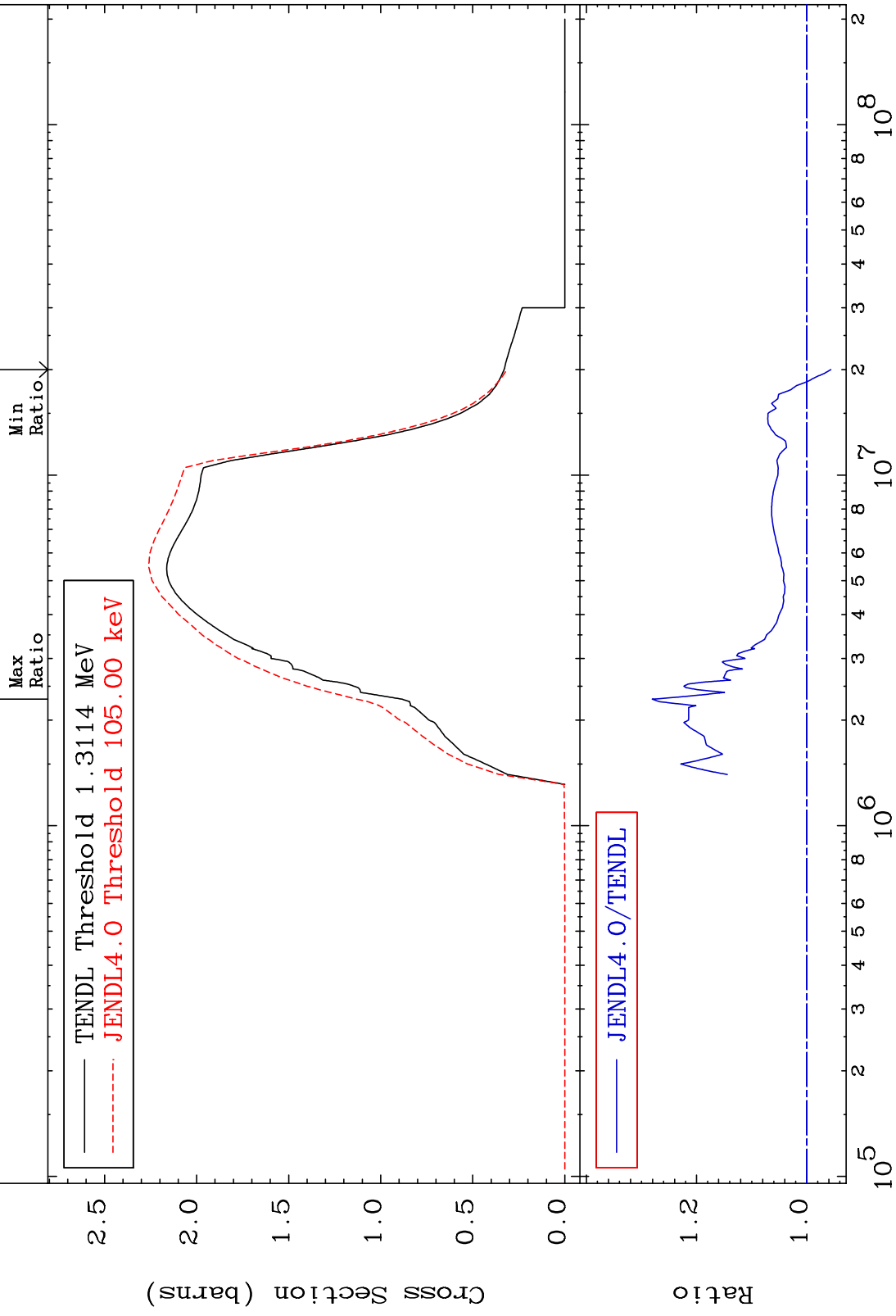
Incident Energy (eV)

50-Sn-114

MAT 5031

Inelastic
Cross Section

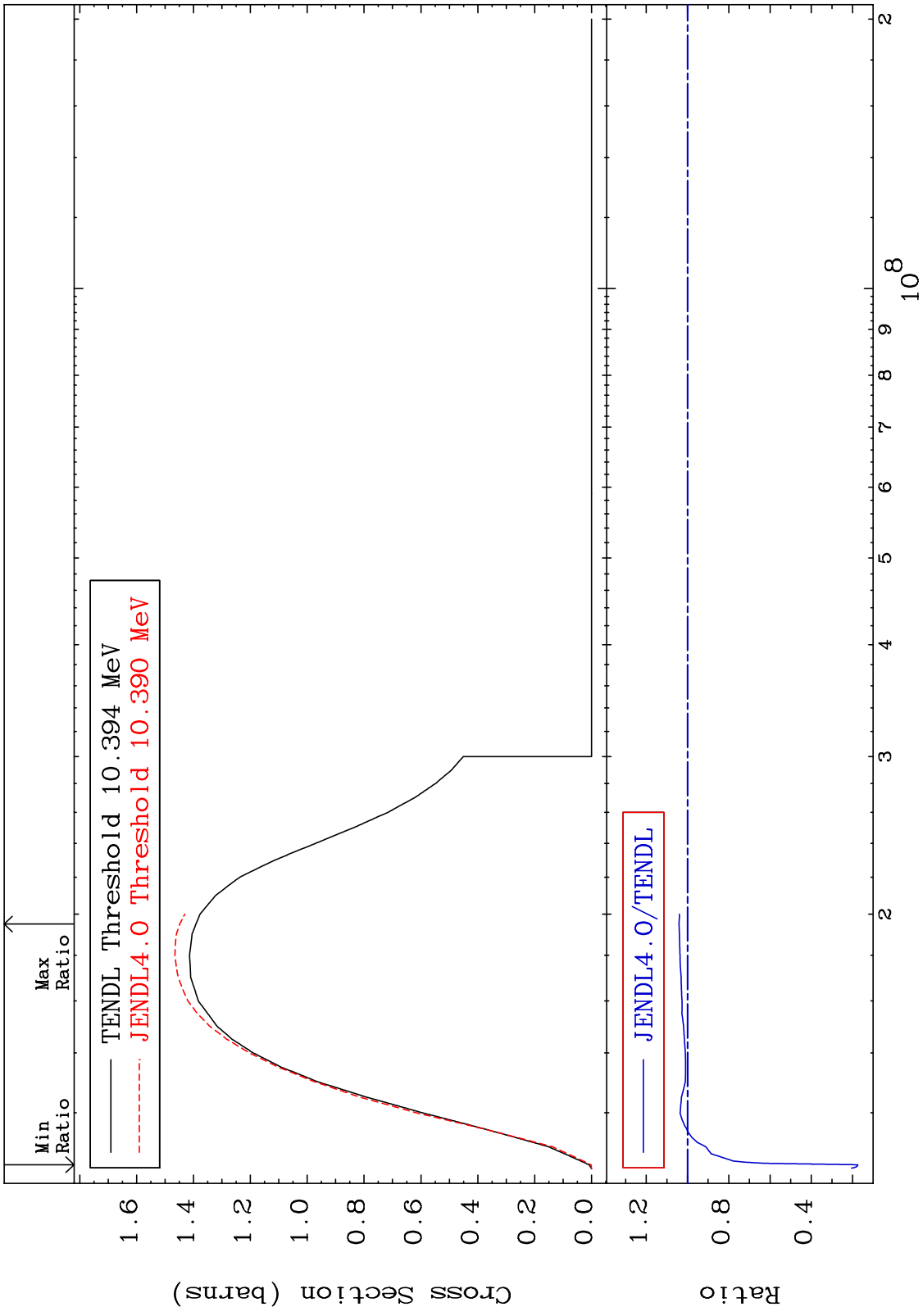
50-Sn-114
-4.373 To 28.05 %



Incident Energy (eV)

50-Sn-114

MAT 5031 (n,2n) 50-Sn-114
 Cross Section -82.55 To 4.102 %



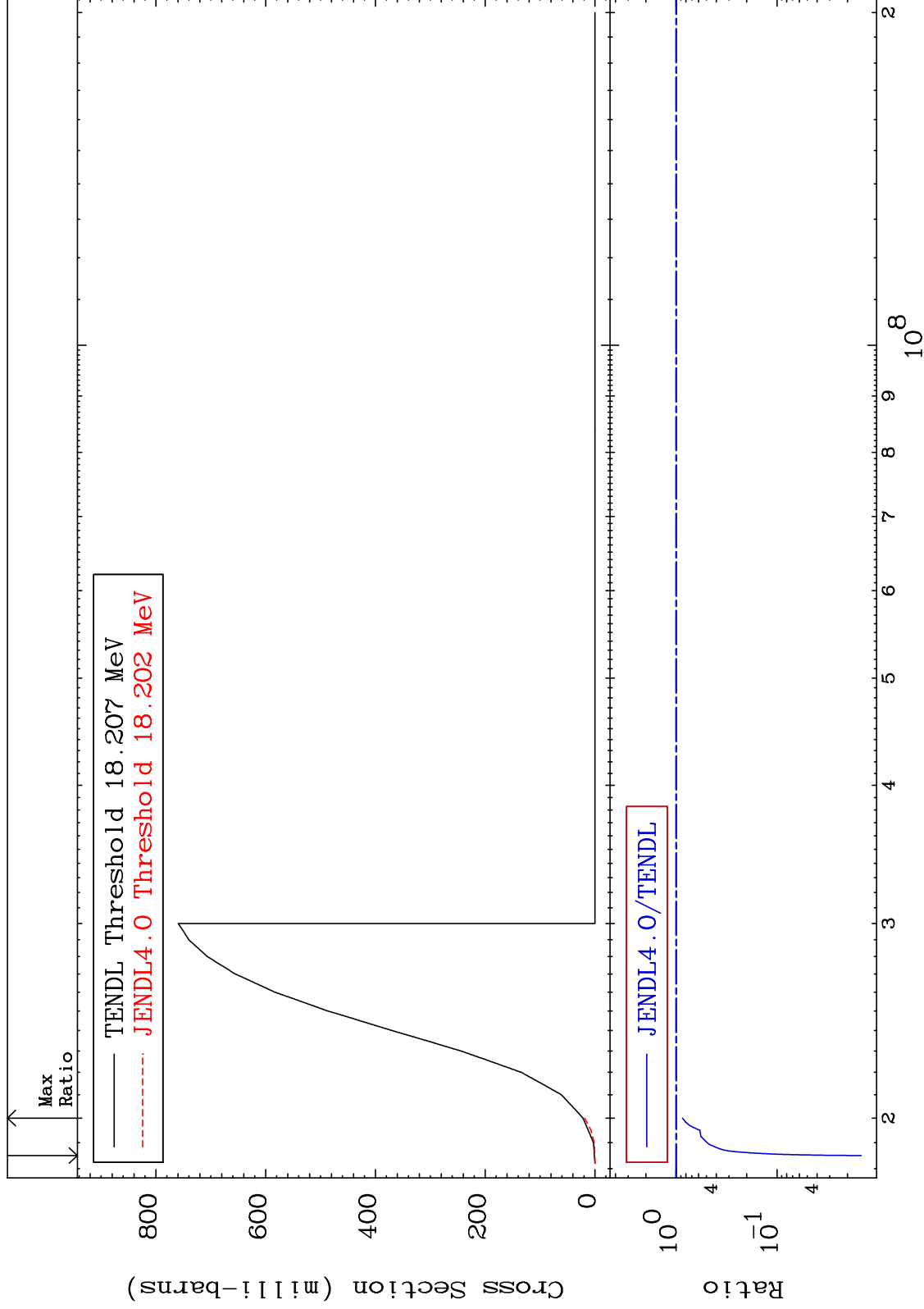
MAT 5031

(n,3n)

50-Sn-114

Cross Section

-98.54 To -13.40%

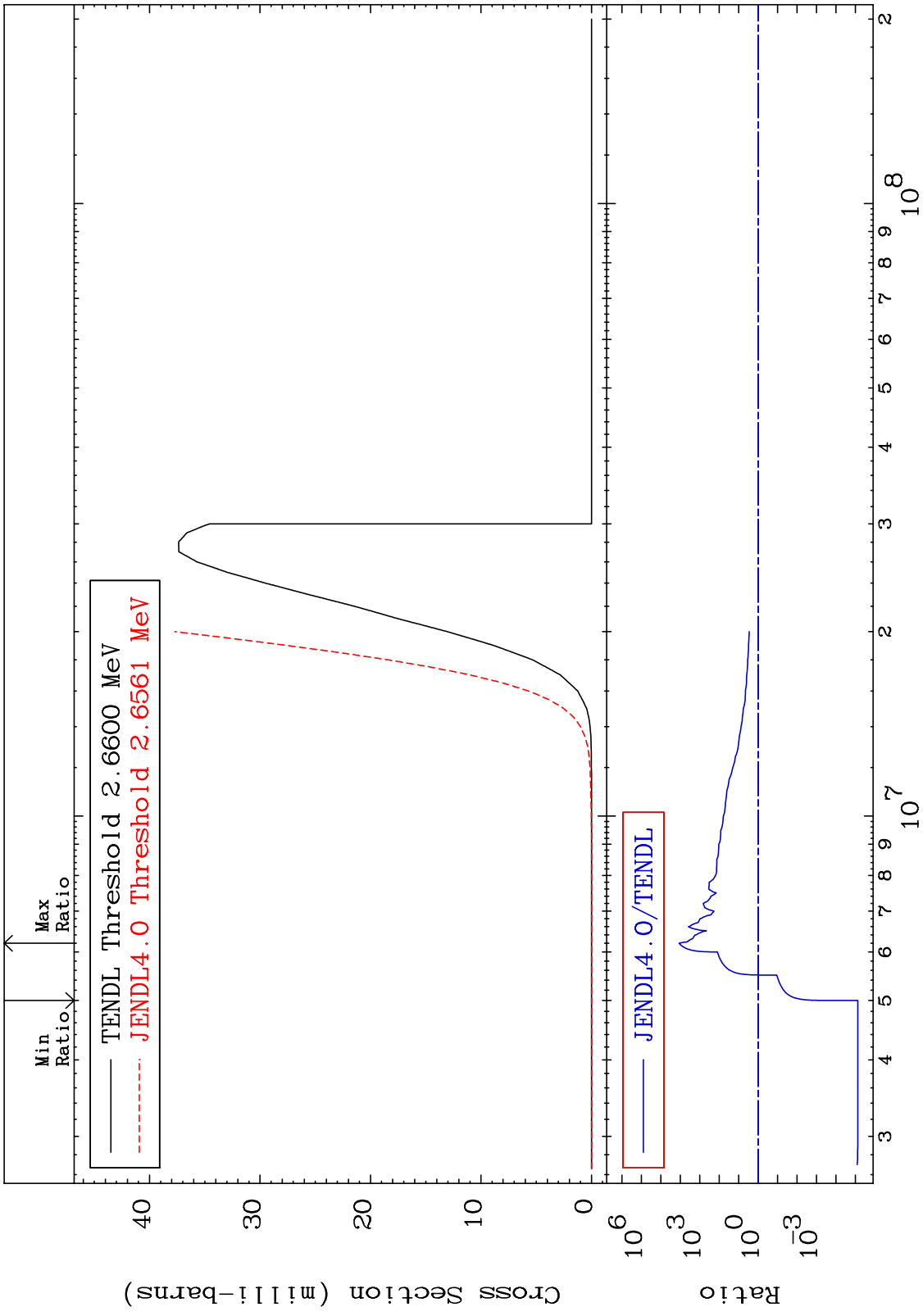


5

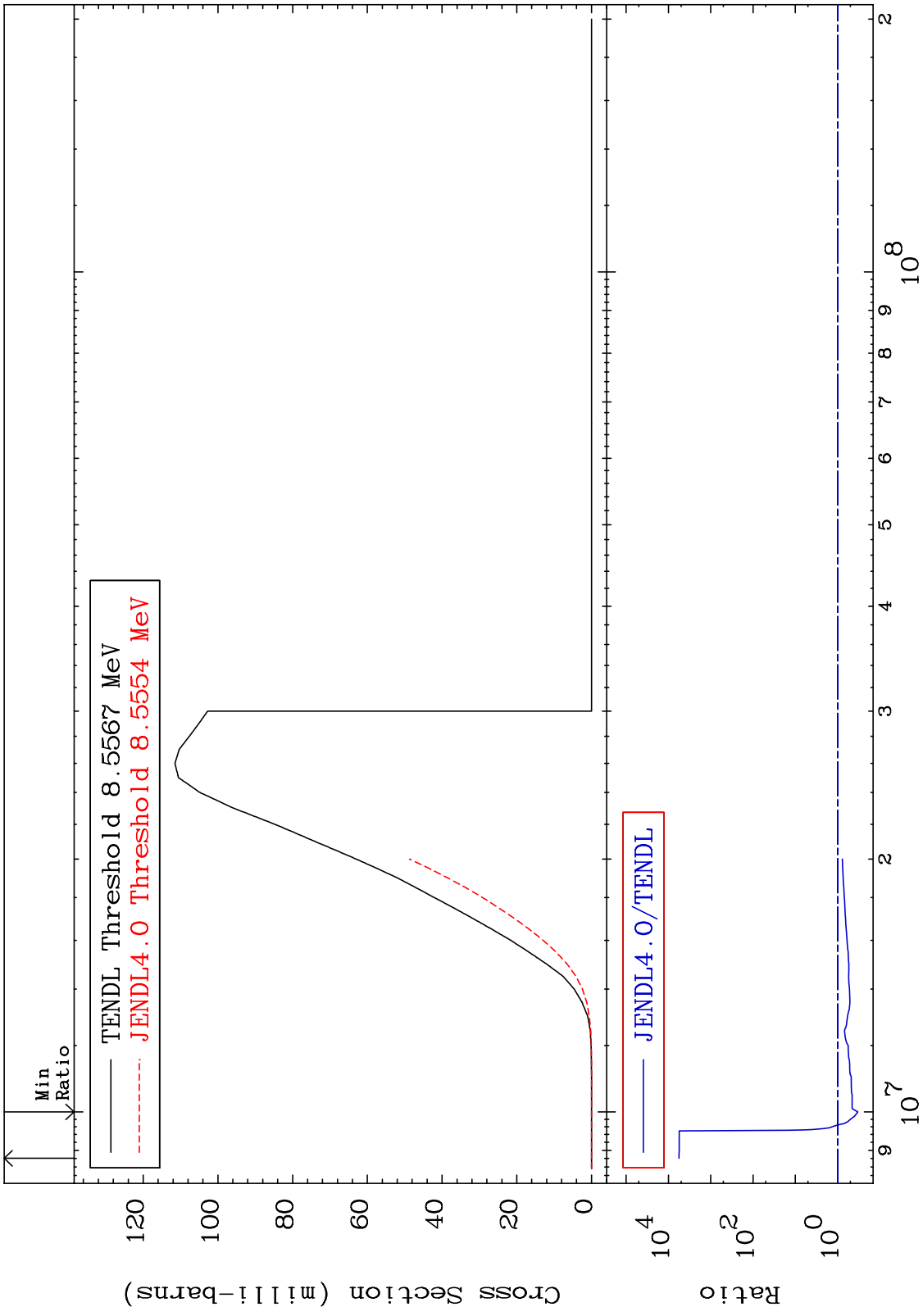
Incident Energy (eV)

50-Sn-114

MAT 5031 $(n, n') \alpha$ 50-Sn-114
 Cross Section -100.0 To 9999. %

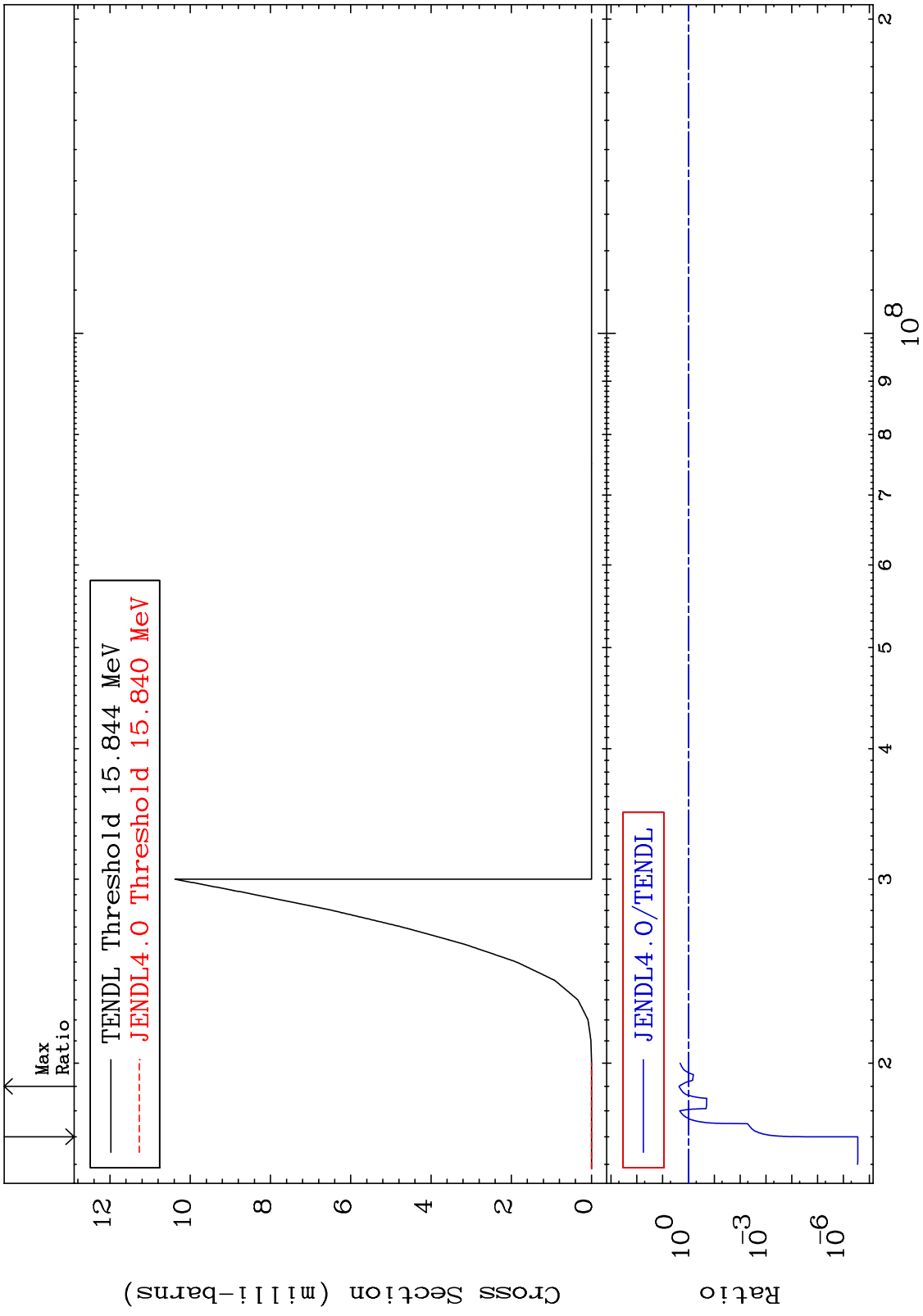


MAT 5031 (n,n') p 50-Sn-114
Cross Section -66.79 To 9999. %

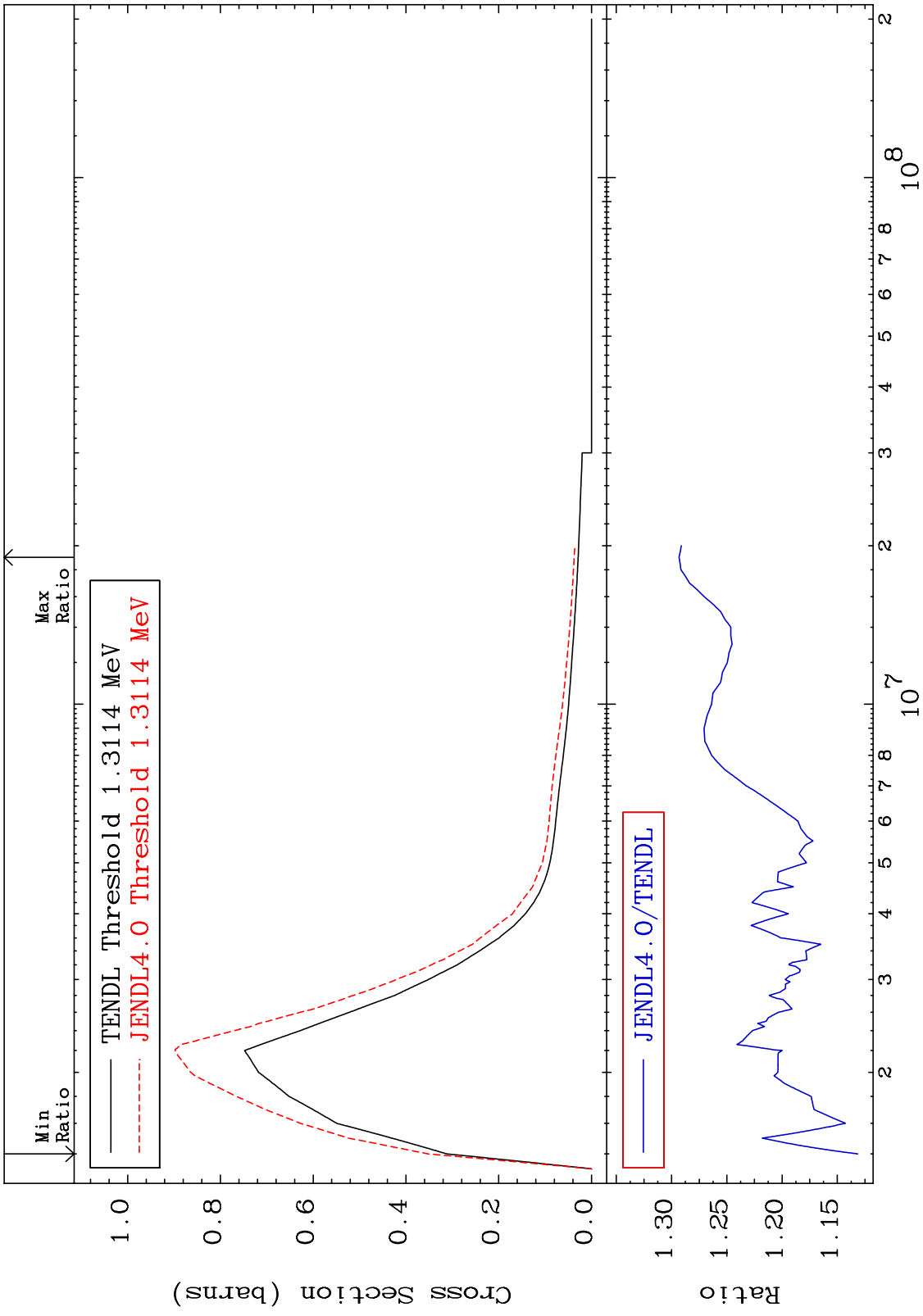


7 Incident Energy (eV) 50-Sn-114

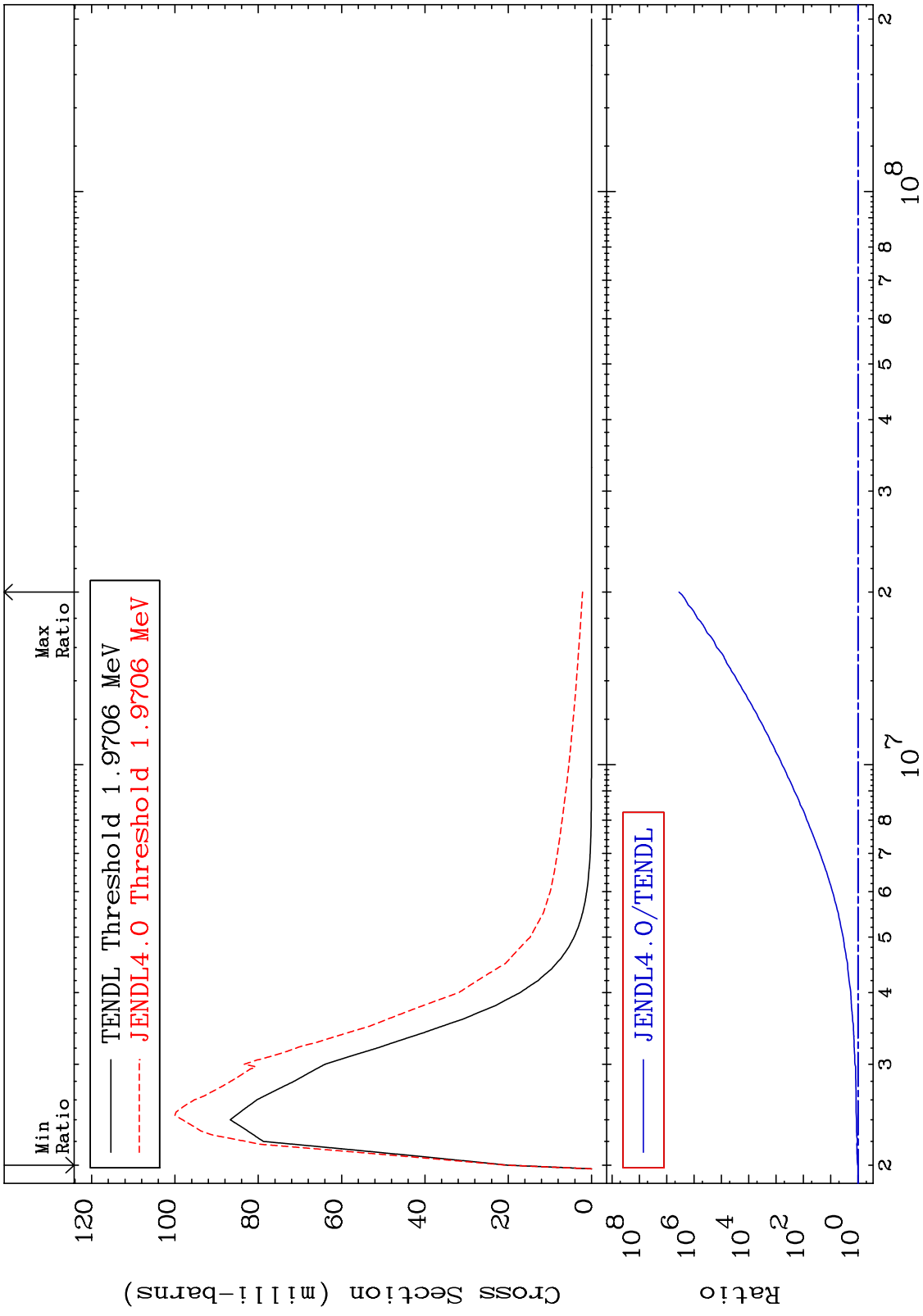
MAT 5031 (n,n') d 50-Sn-114
 Cross Section -100.0 To 132.1 %



MAT 5031 MT= 51 (n,n') Level Cross Section 50-Sn-114 13.14 To 29.32 %

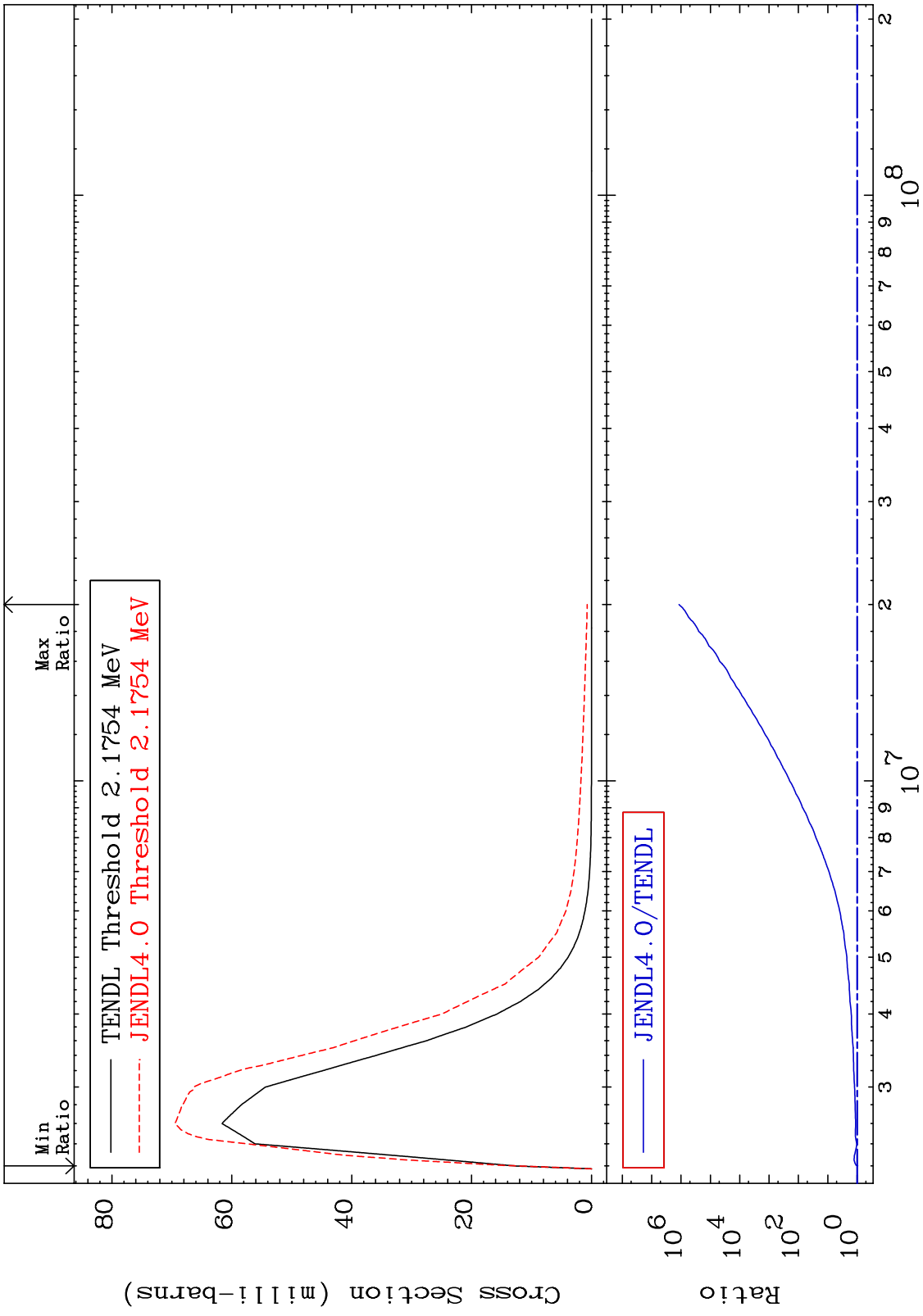


MAT 5031 MT= 52 (n,n') Level Cross Section 50-Sn-114 To 9999. %
 1.720

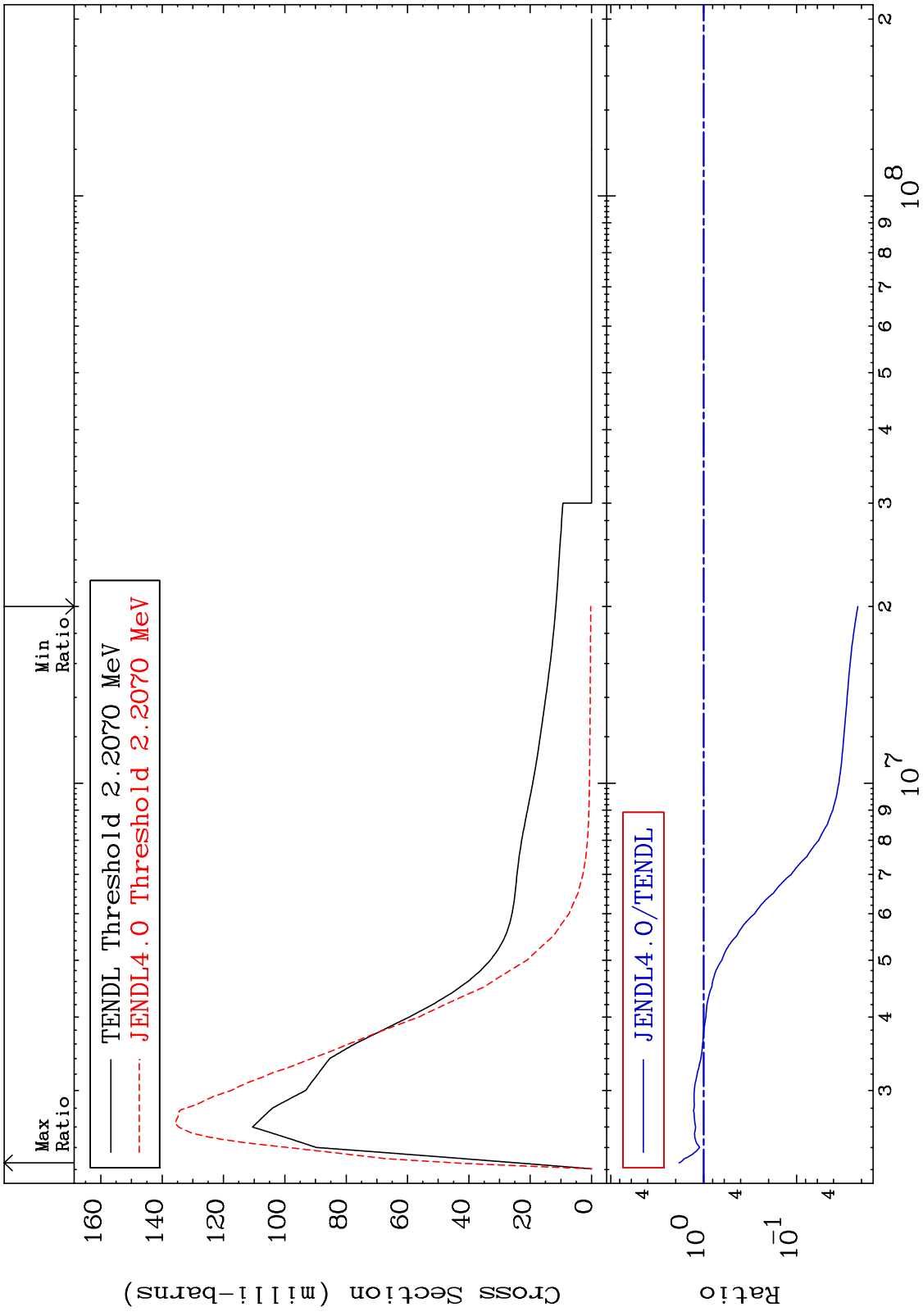


10 Incident Energy (eV) 50-Sn-114

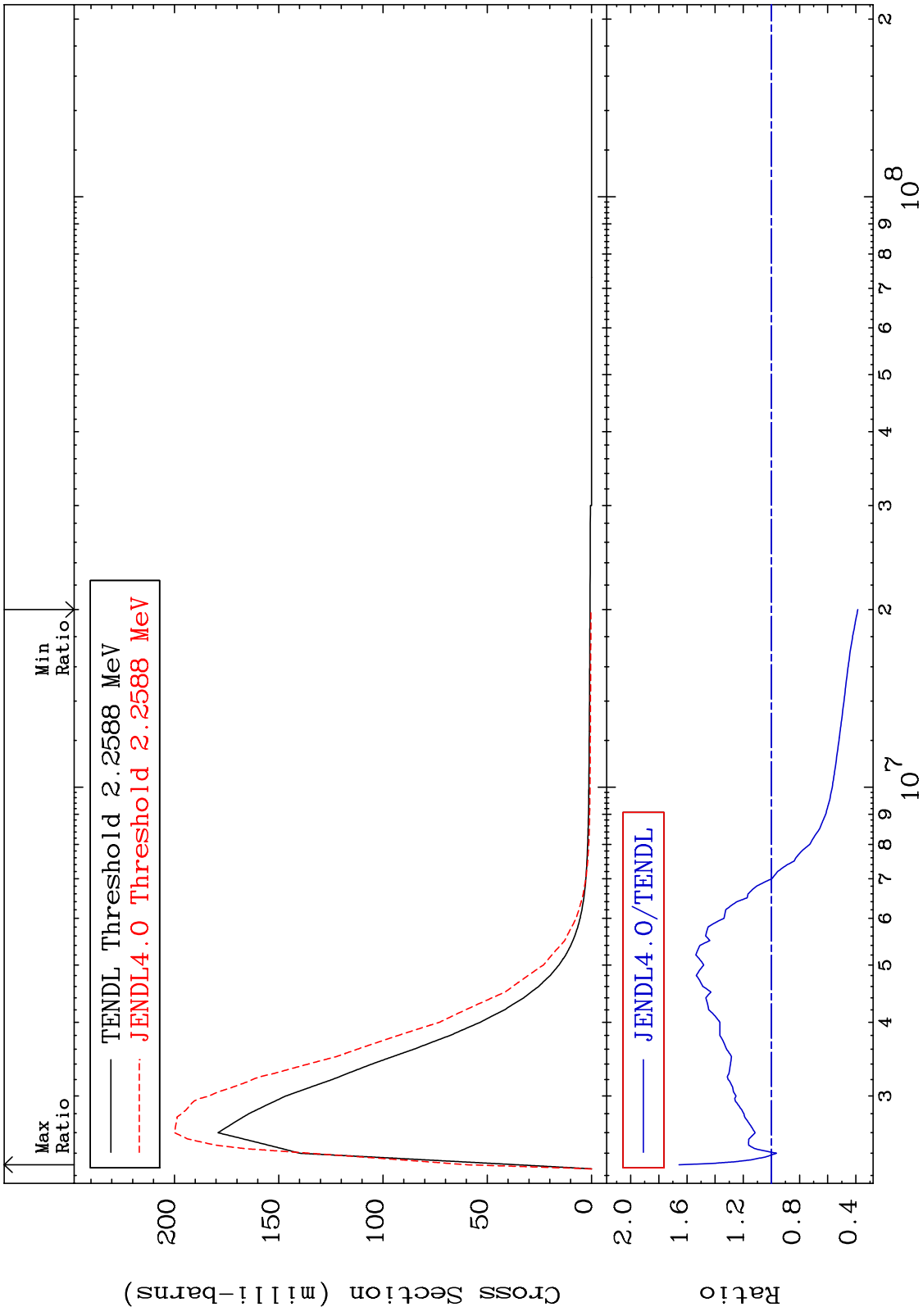
MAT 5031 MT= 53 (n,n') Level Cross Section 50-Sn-114 -5.346 To 9999. %



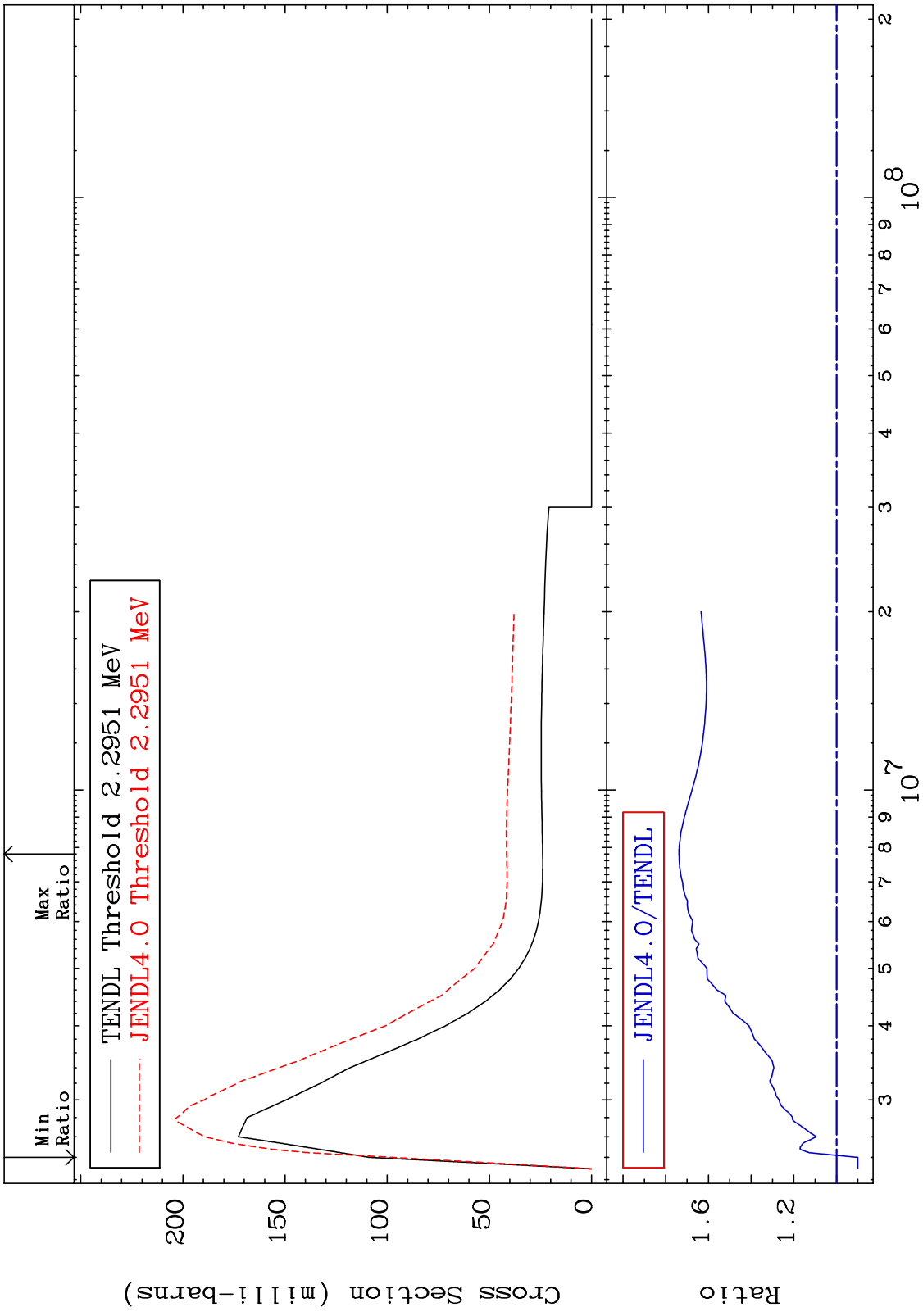
MAT 5031 MT= 54 (n,n') Level Cross Section 50-Sn-114 -97.80 To 83.91 %



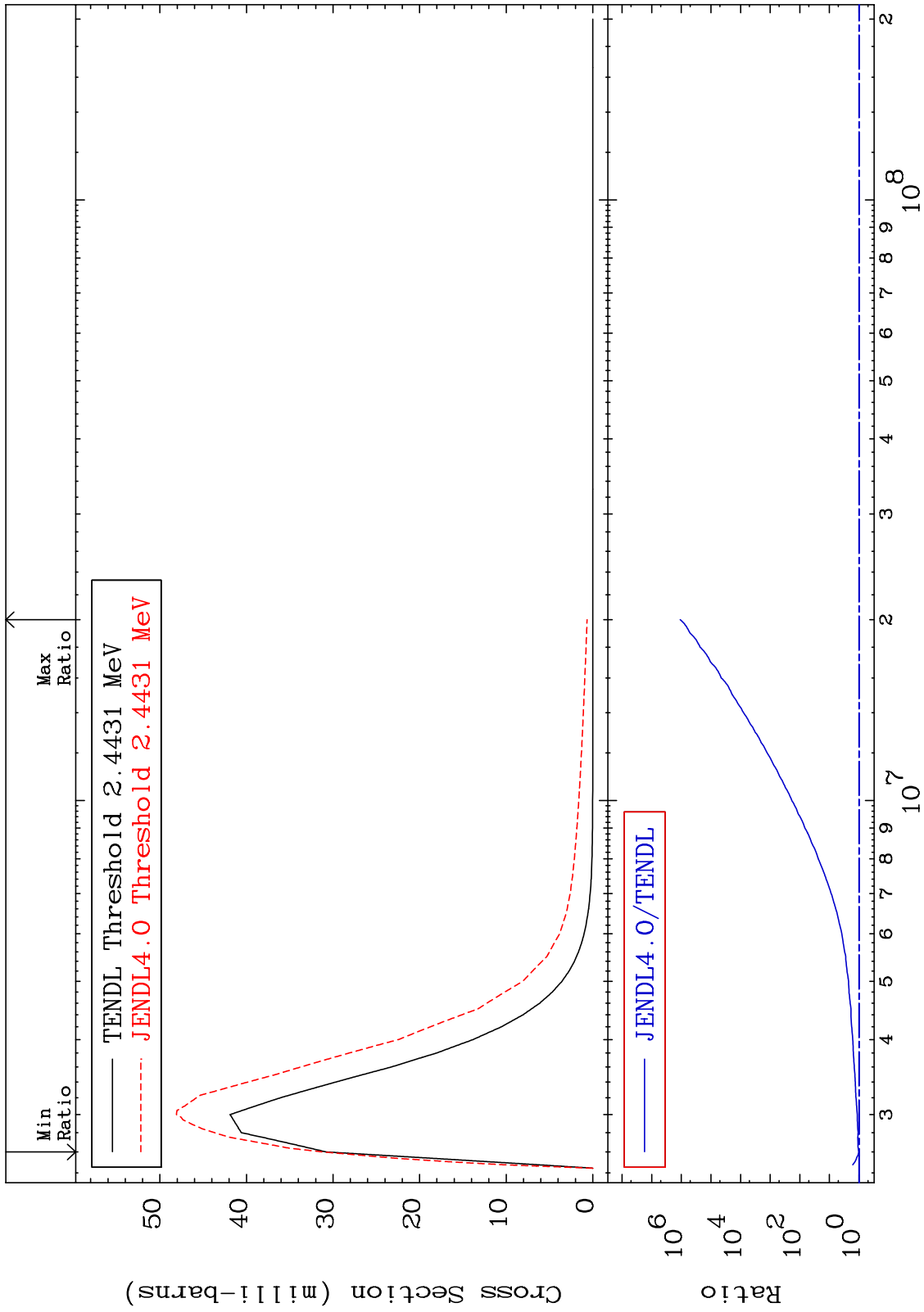
MAT 5031 MT= 55 (n,n') Level Cross Section 50-Sn-114
 -61.40 To 65.64 %



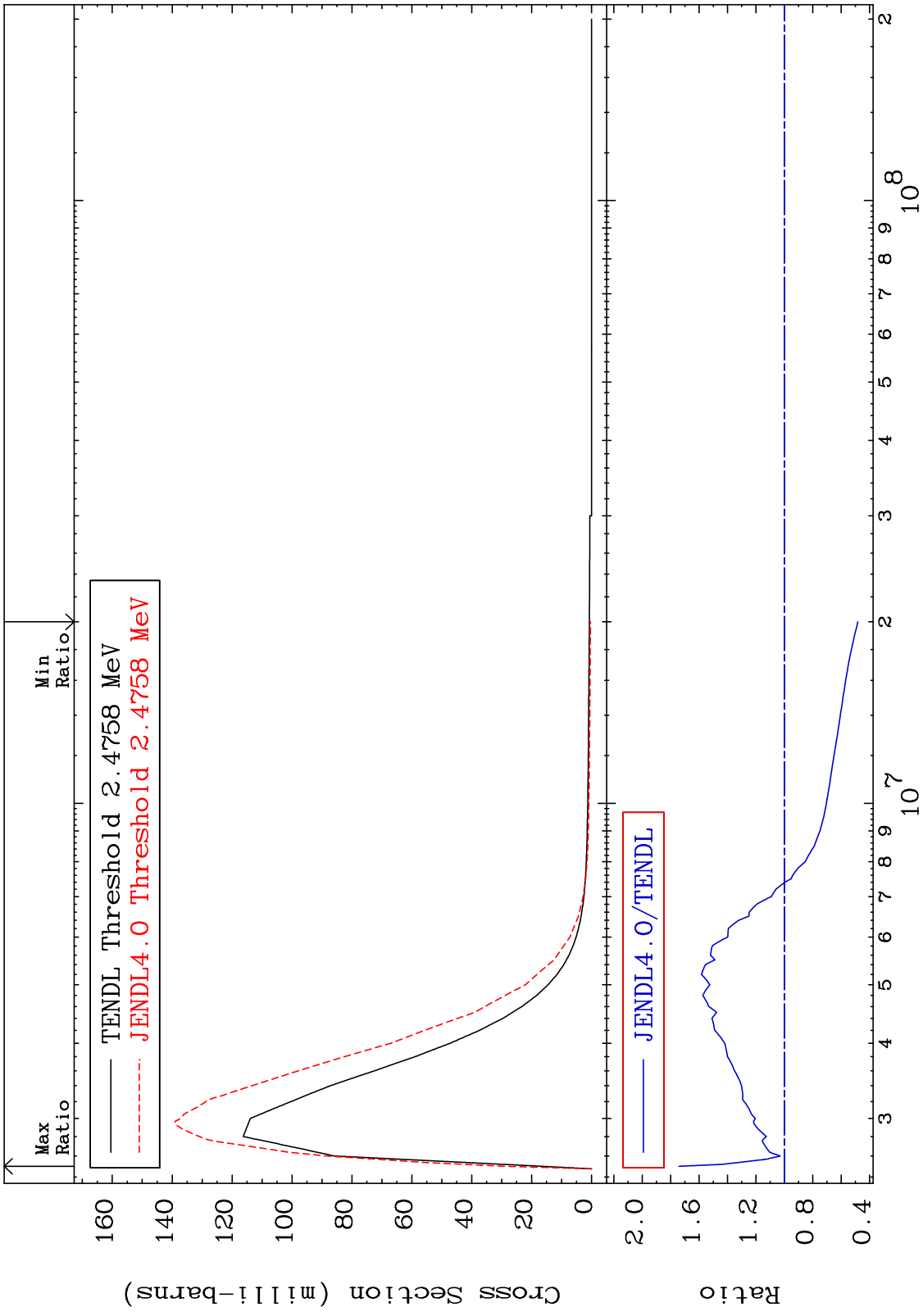
MAT 5031 MT= 56 (n,n') Level Cross Section 50-Sn-114 -9.995 To 73.75 %



MAT 5031 MT= 57 (n,n') Level Cross Section 50-Sn-114 To 9999. %
 1.171



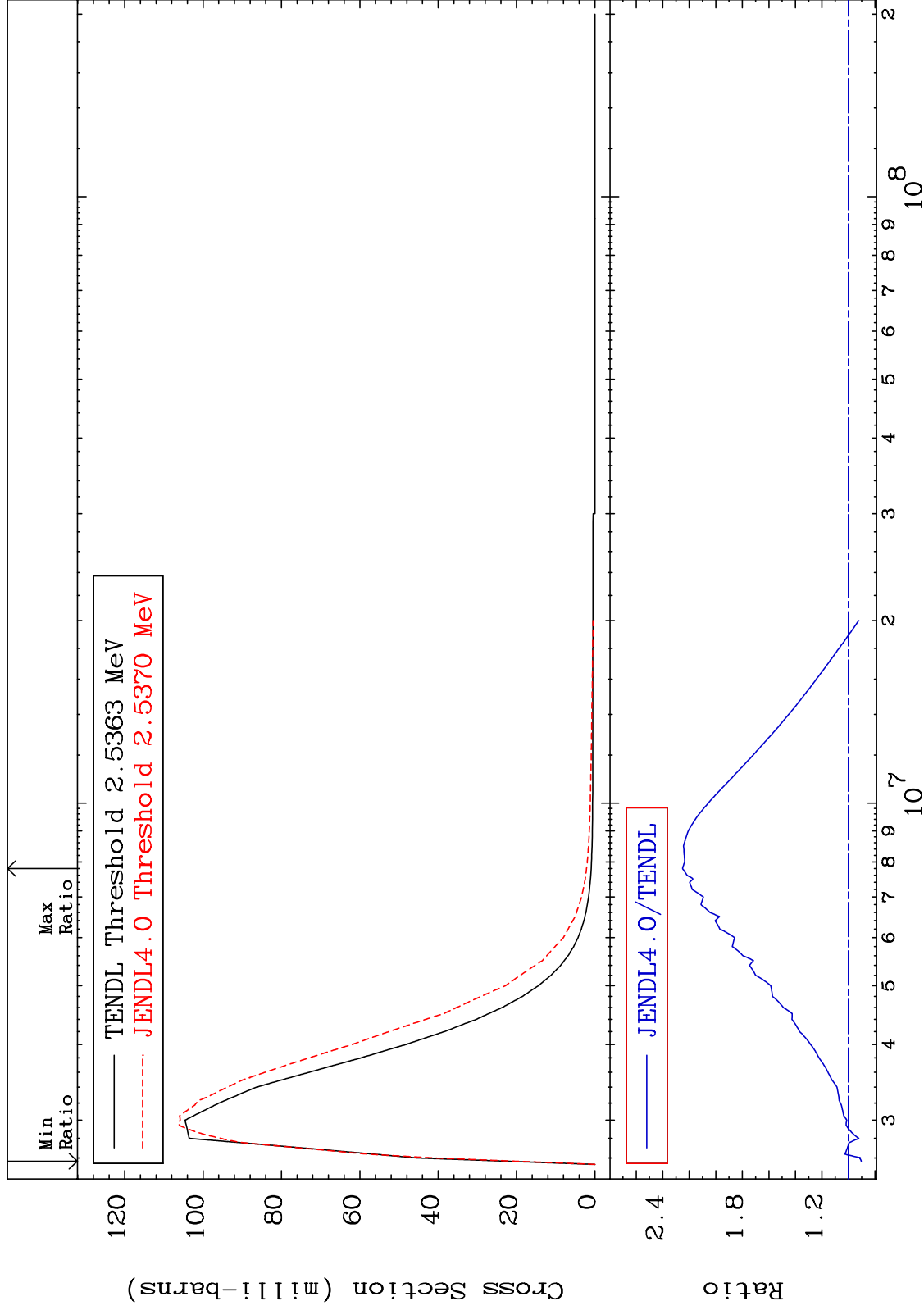
MAT 5031 MT= 58 (n,n') Level Cross Section 50-Sn-114 -51.76 To 74.09 %



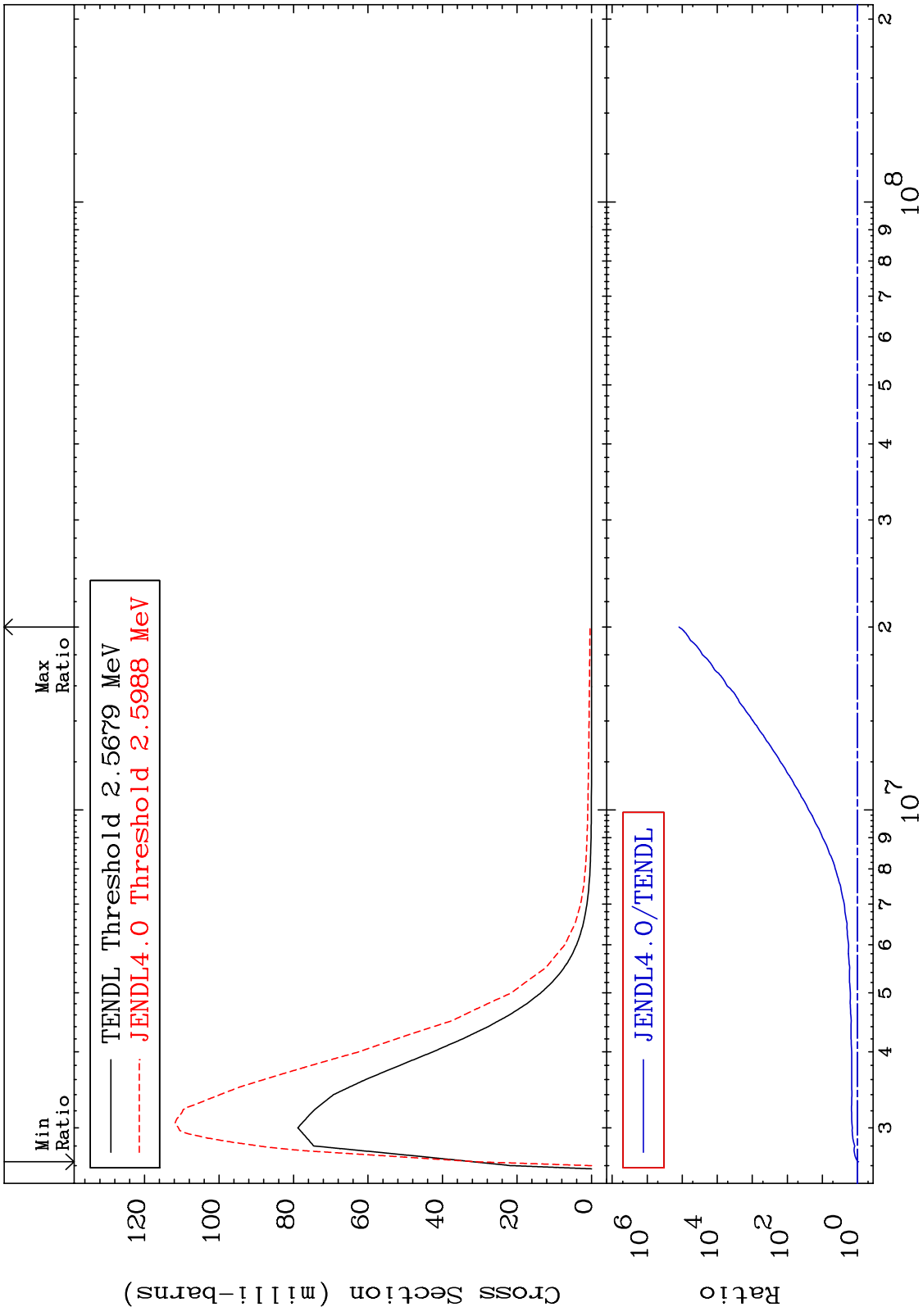
MAT 5031

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

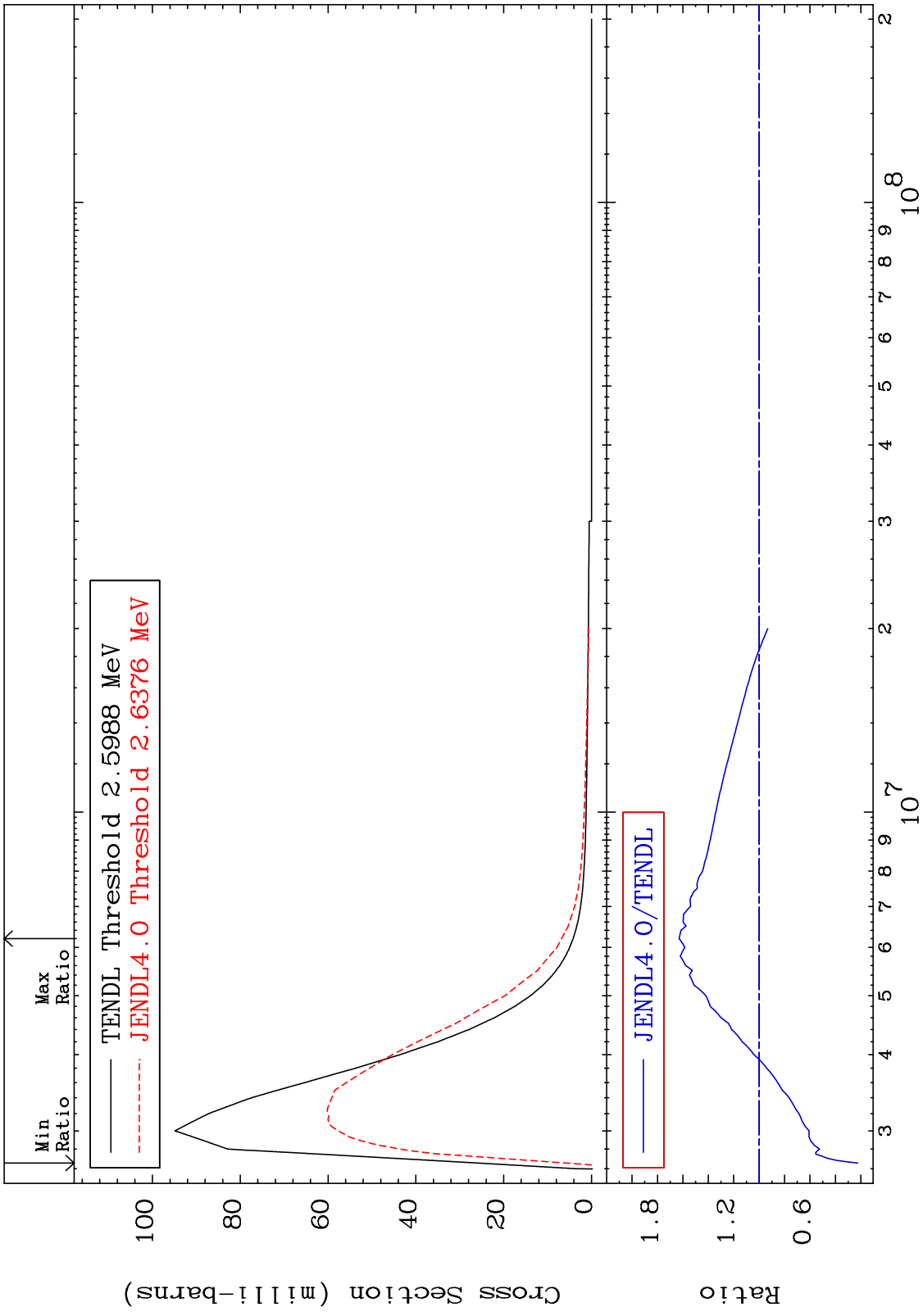
50-Sn-114
-9.667 To 125.1 %



MAT 5031 MT= 60 (n,n') Level Cross Section 50-Sn-114 -2.709 To 9999. %



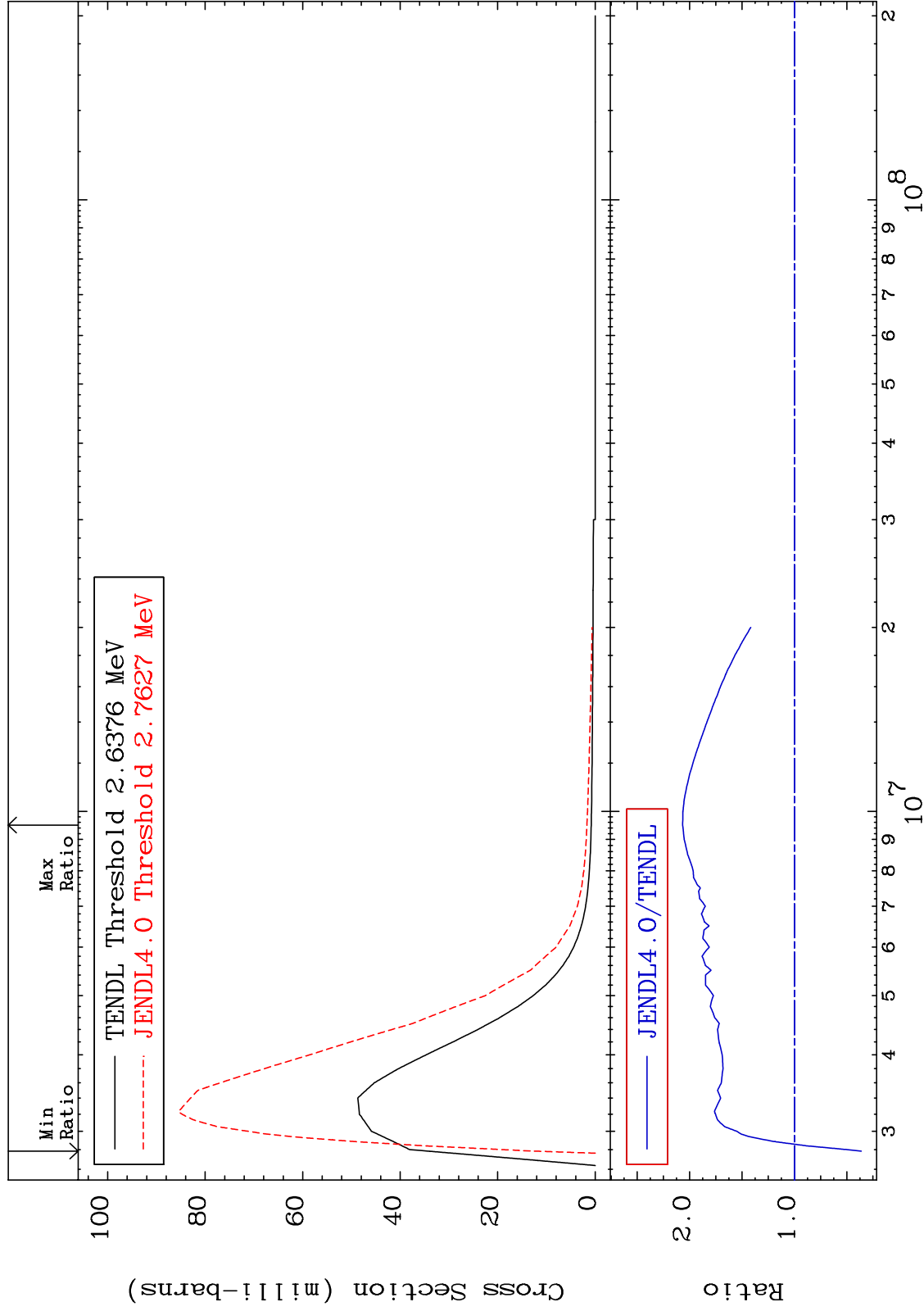
MAT 5031 MT= 61 (n,n') Level Cross Section 50-Sn-114
 -77.62 To 63.01 %



MAT 5031

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

50-Sn-114
-63.89 To 106.7 %

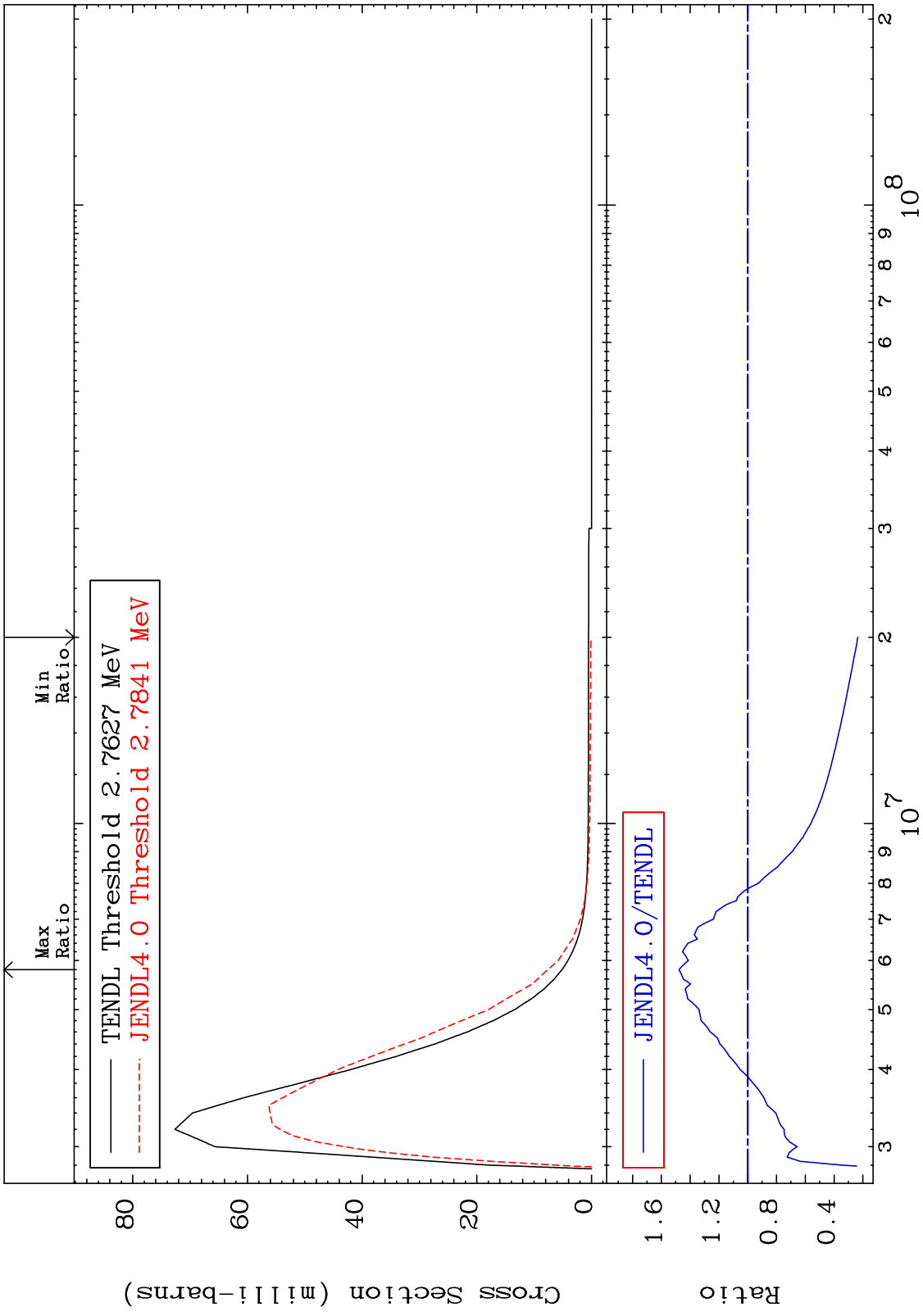


20

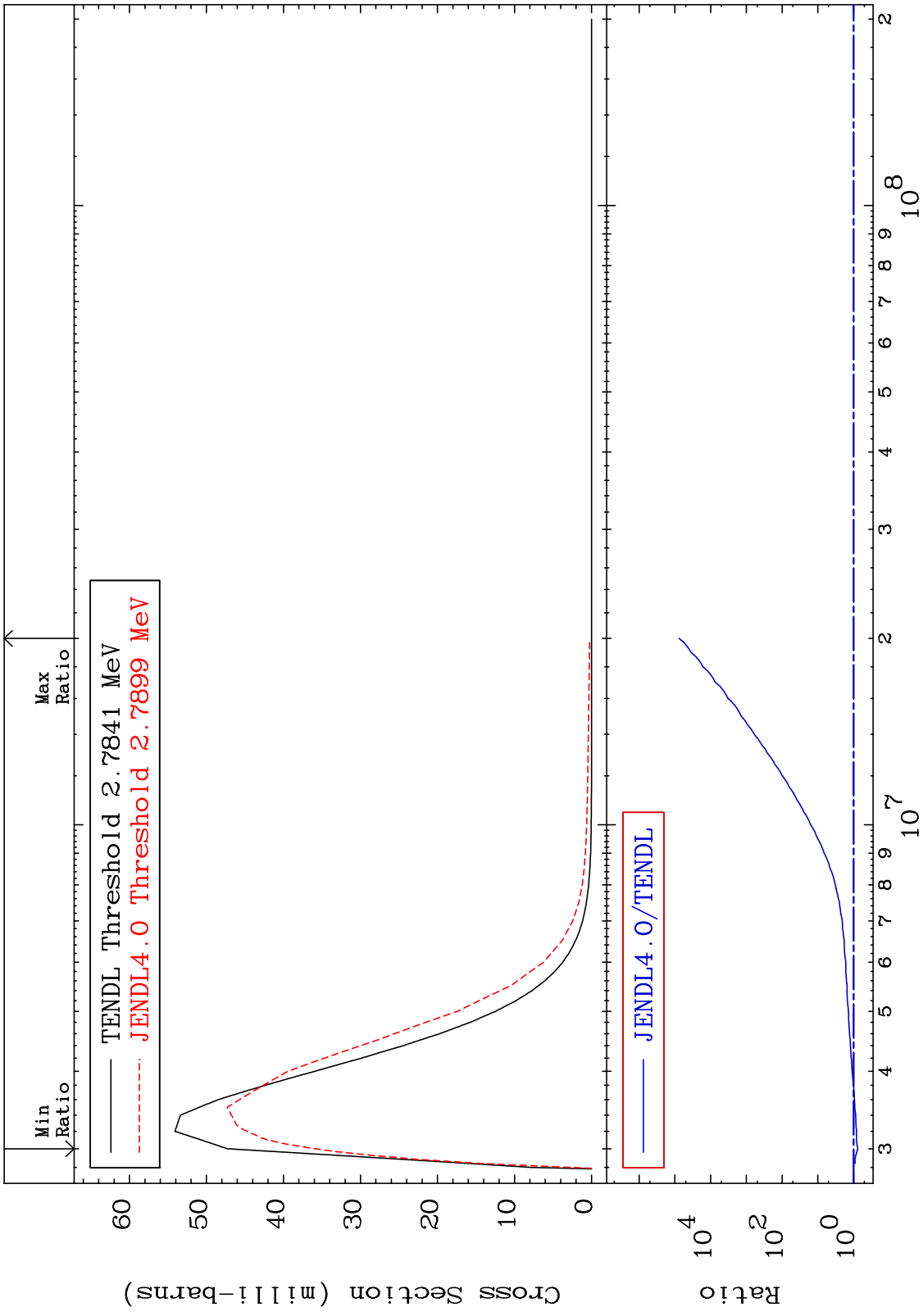
Incident Energy (eV)

50-Sn-114

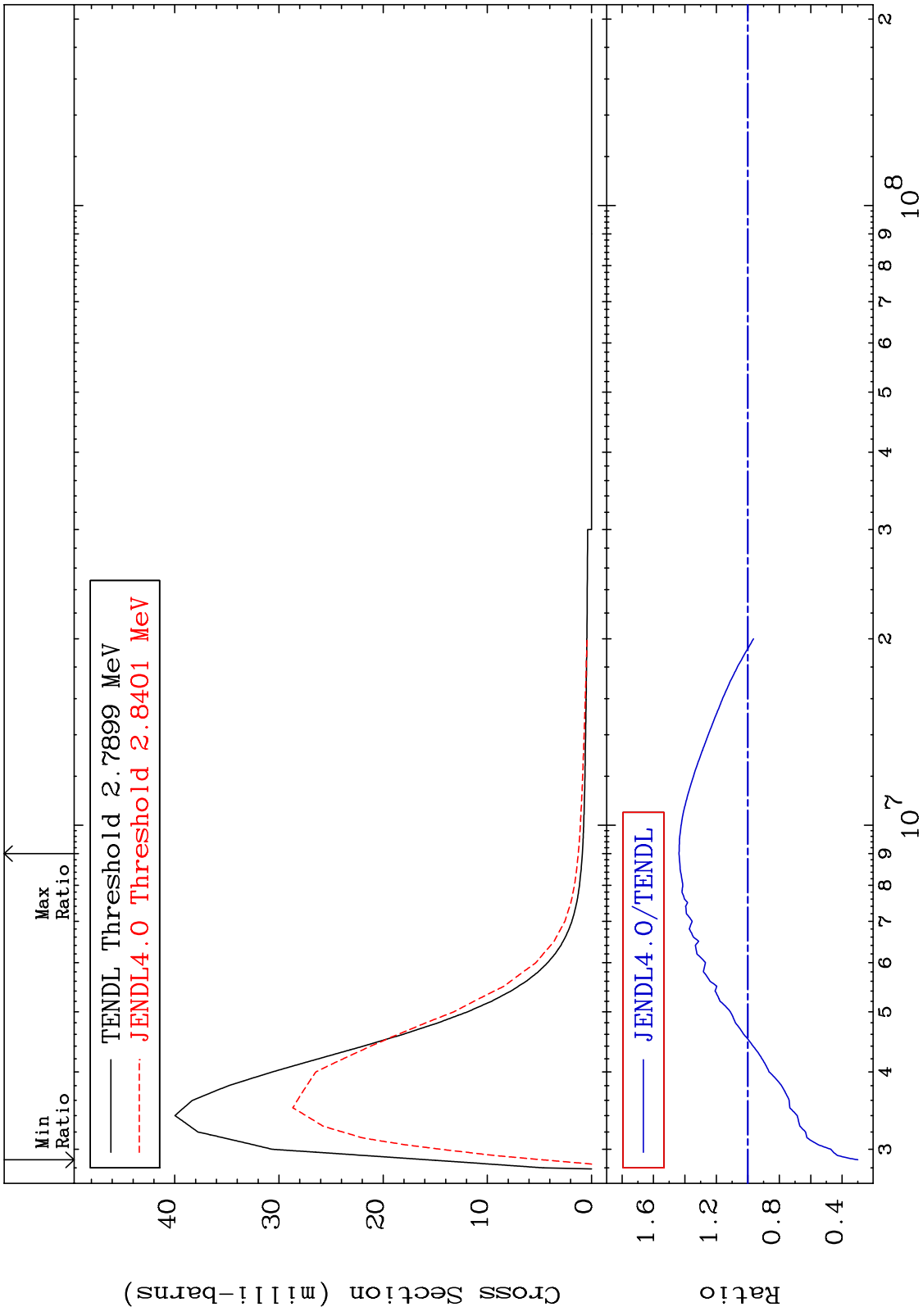
MAT 5031 MT= 63 (n,n') Level Cross Section 50-Sn-114
 -76.50 To 47.72 %



MAT 5031 MT= 64 (n,n') Level Cross Section 50-Sn-114
 -24.00 To 9999. %



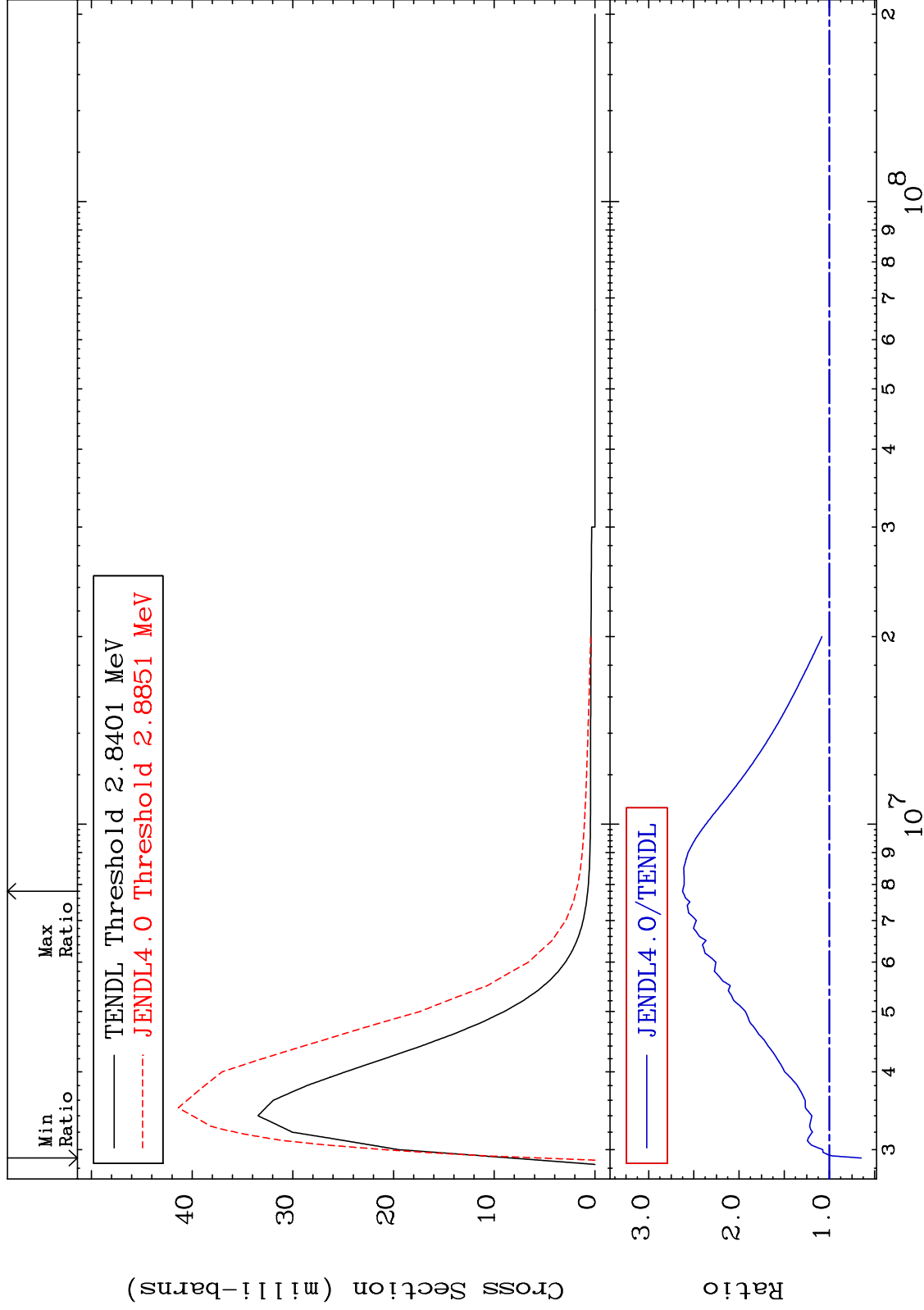
MAT 5031 MT= 65 (n,n') Level Cross Section 50-Sn-114
 -69.99 To 43.75 %



MAT 5031

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

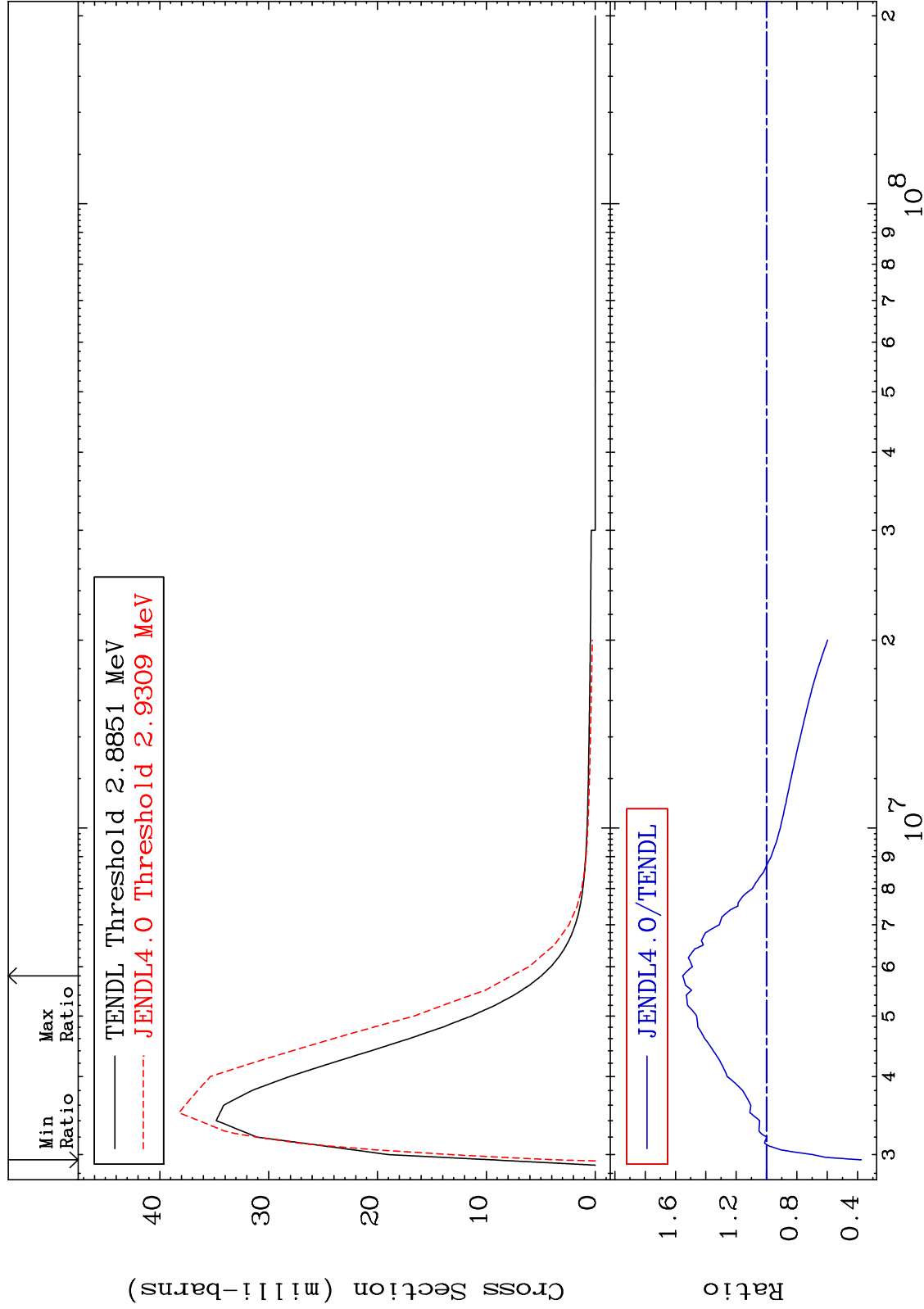
50-Sn-114
-35.32 To 162.6 %



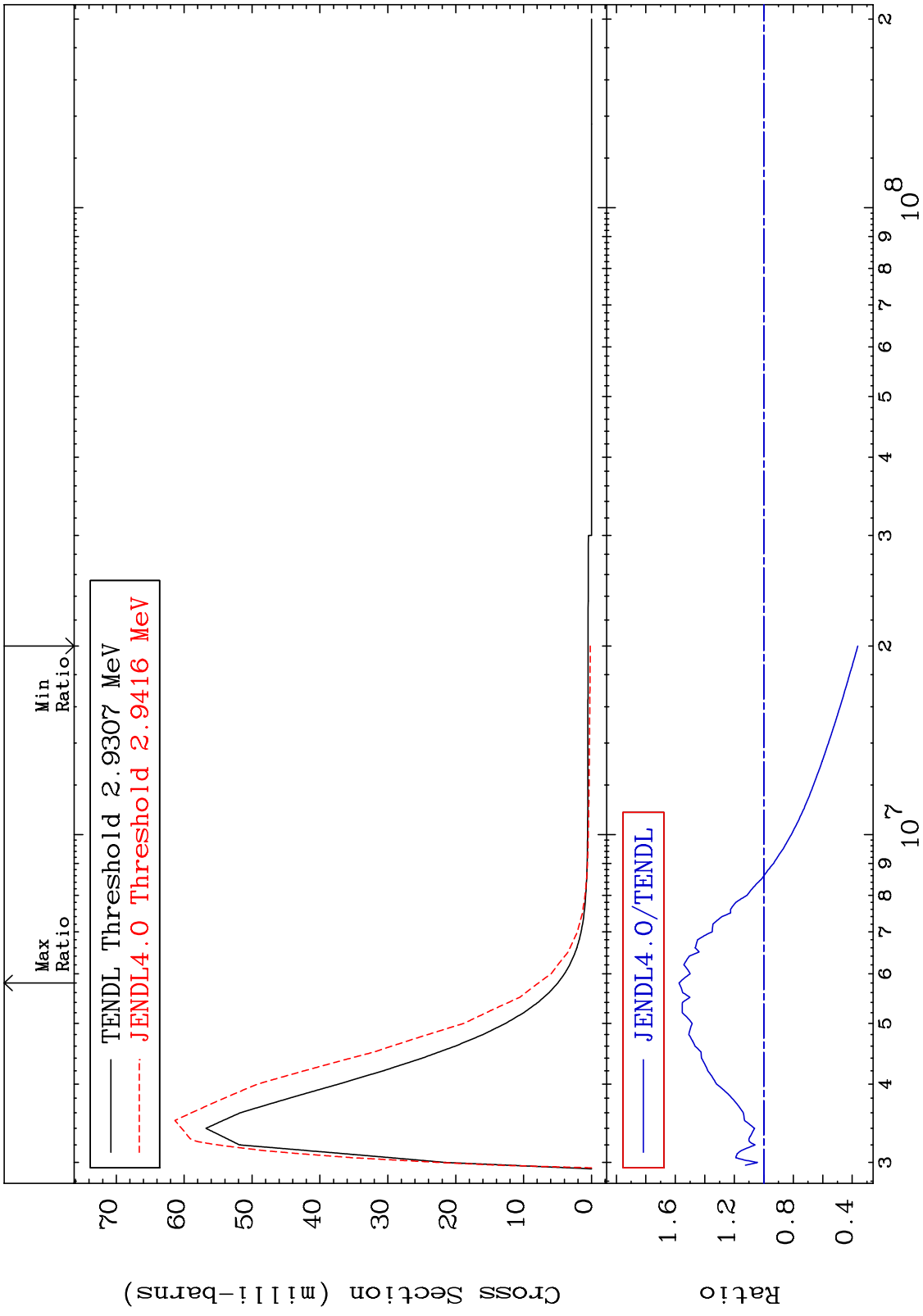
MAT 5031

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

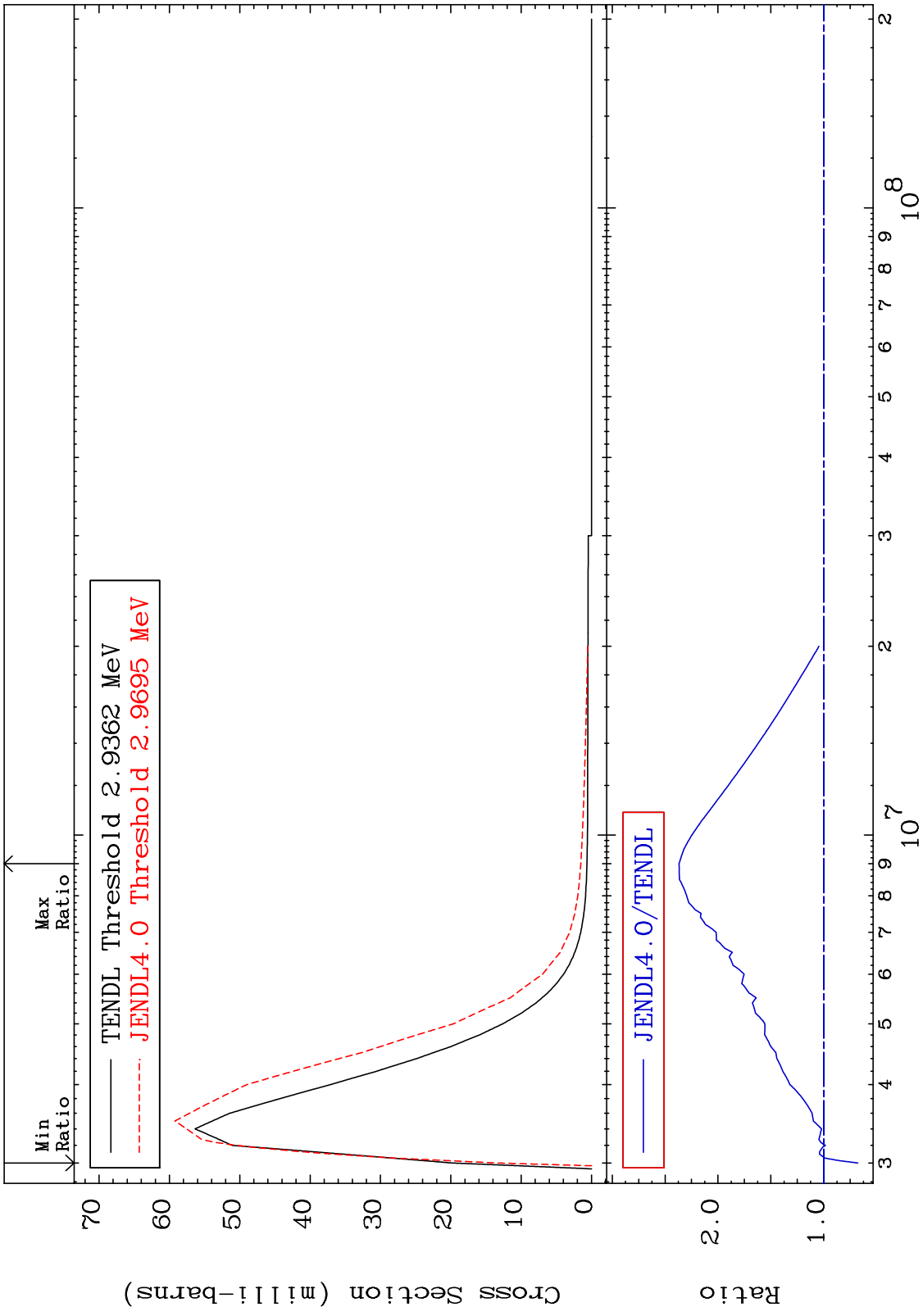
50-Sn-114
-62.45 To 55.28 %



MAT 5031 MT= 68 (n,n') Level Cross Section 50-Sn-114 -63.82 To 57.48 %



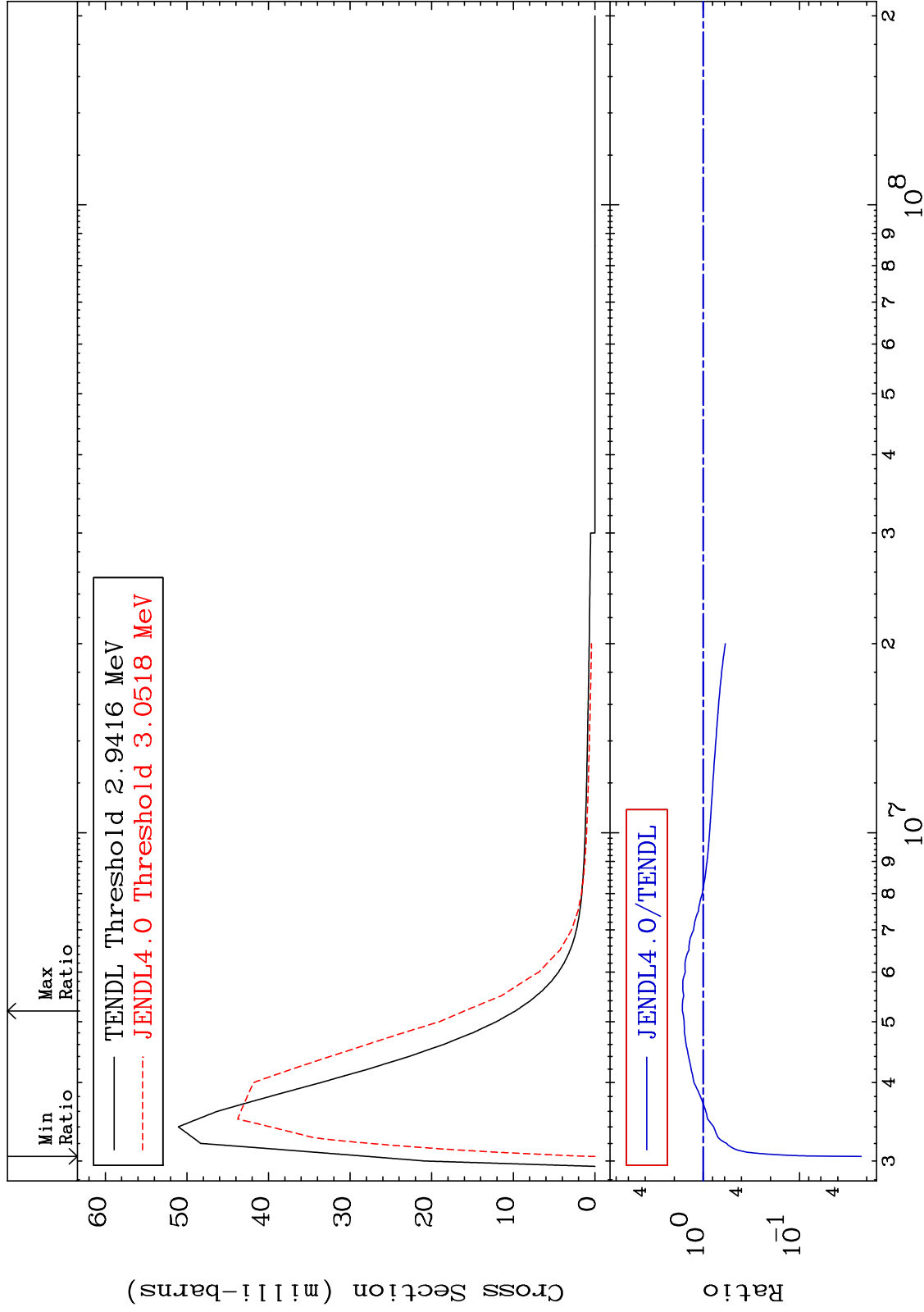
MAT 5031 MT= 69 (n,n') Level Cross Section 50-Sn-114 -32.18 To 136.8 %



MAT 5031

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

50-Sn-114
-97.72 To 64.24 %

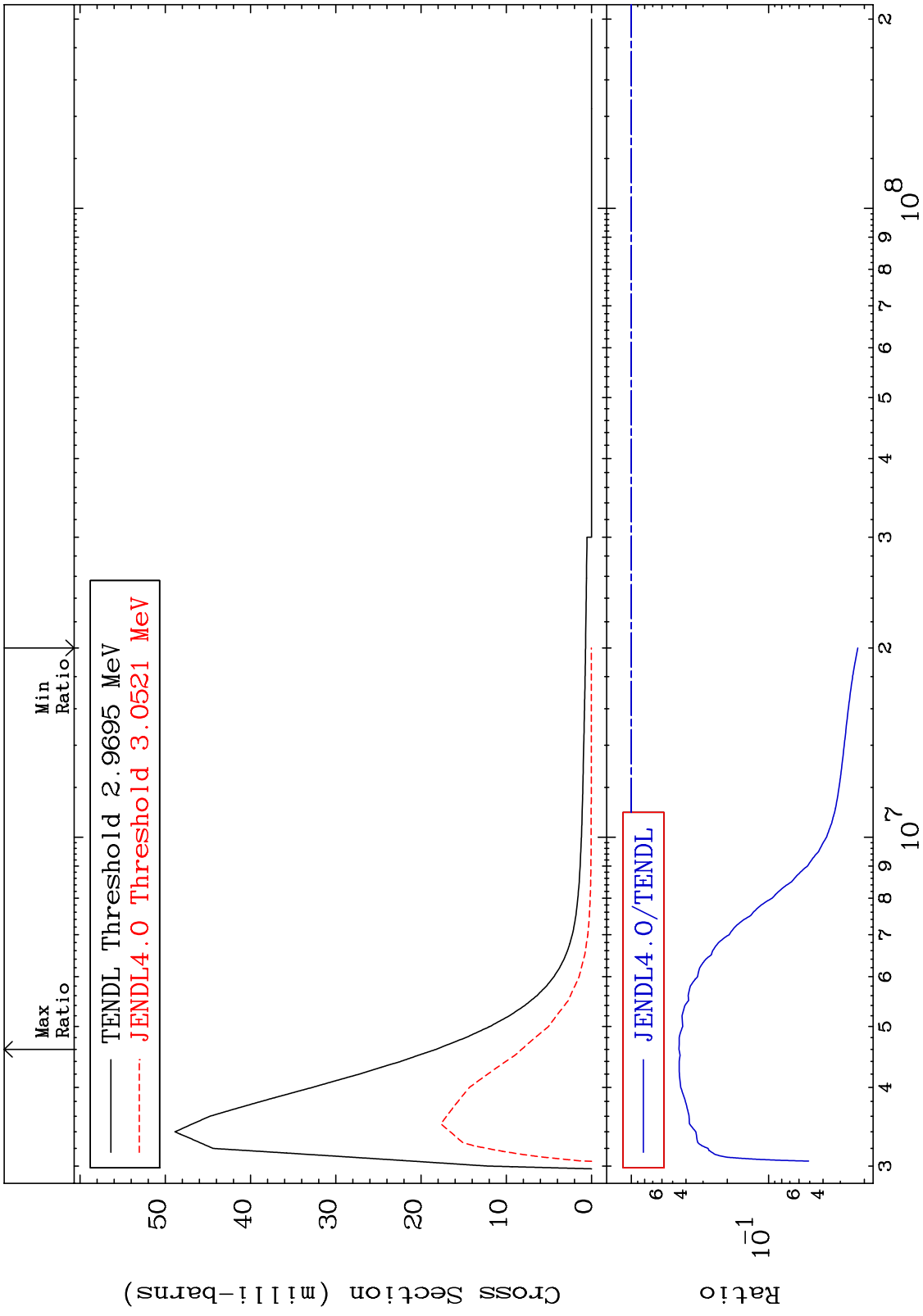


28

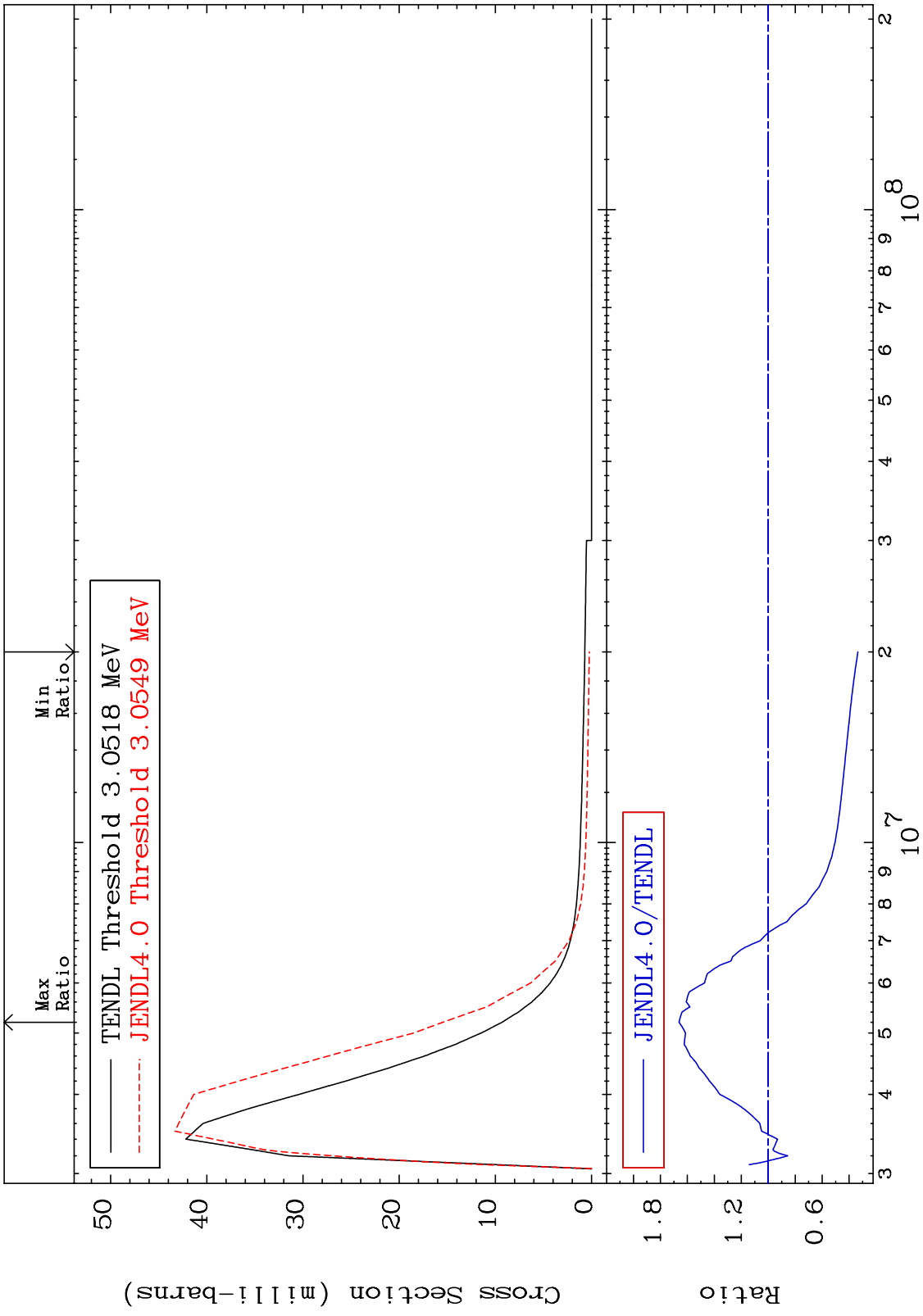
Incident Energy (eV)

50-Sn-114

MAT 5031 MT= 71 (n,n') Level Cross Section 50-Sn-114 -97.77 To -55.06%

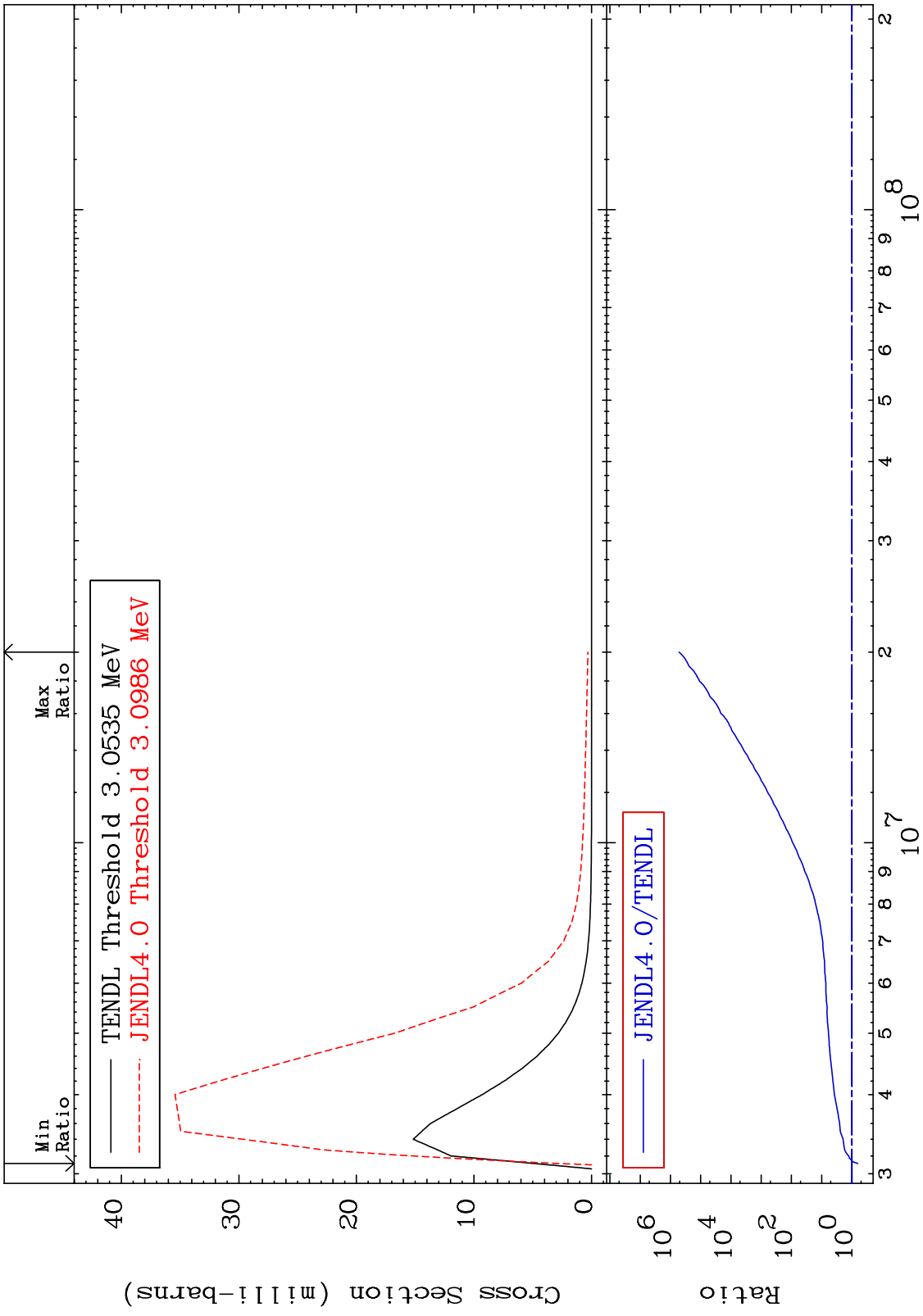


MAT 5031 MT= 72 (n,n') Level Cross Section 50-Sn-114
 -66.49 To 66.15 %

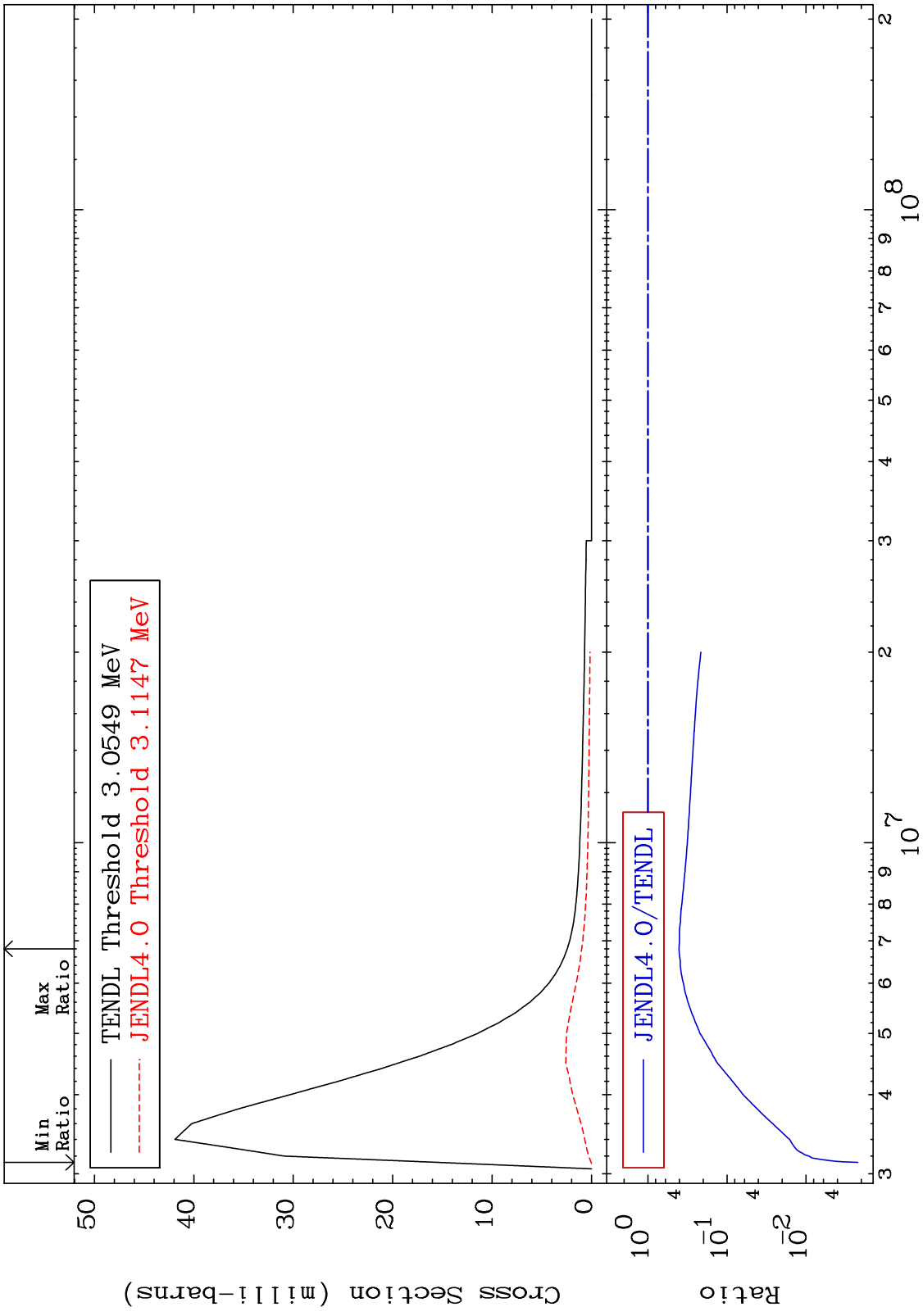


30 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 73 (n,n') Level Cross Section 50-Sn-114 -36.35 To 9999. %



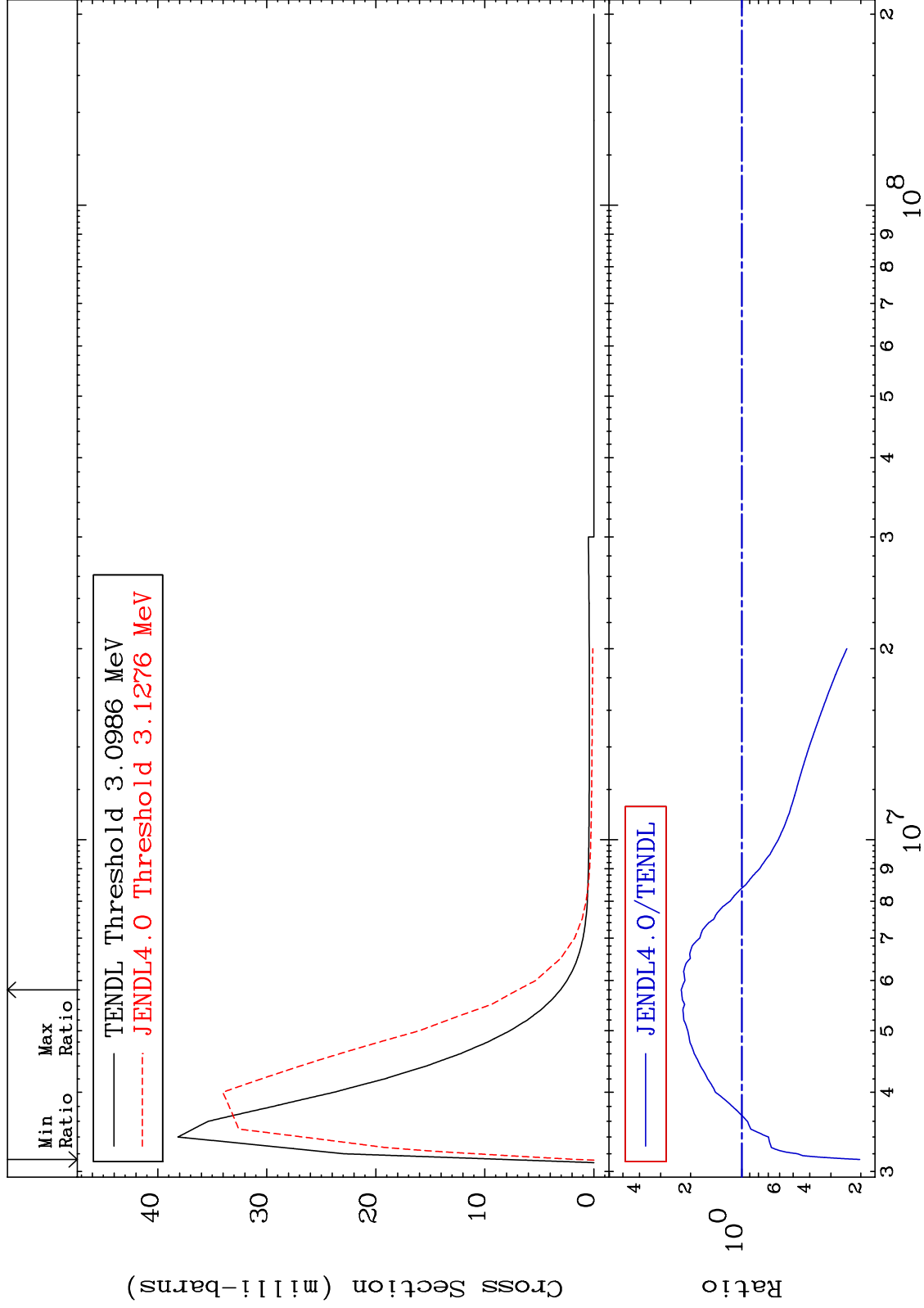
MAT 5031 MT= 74 (n,n') Level
 Cross Section 50-Sn-114
 -99.78 To -59.58%



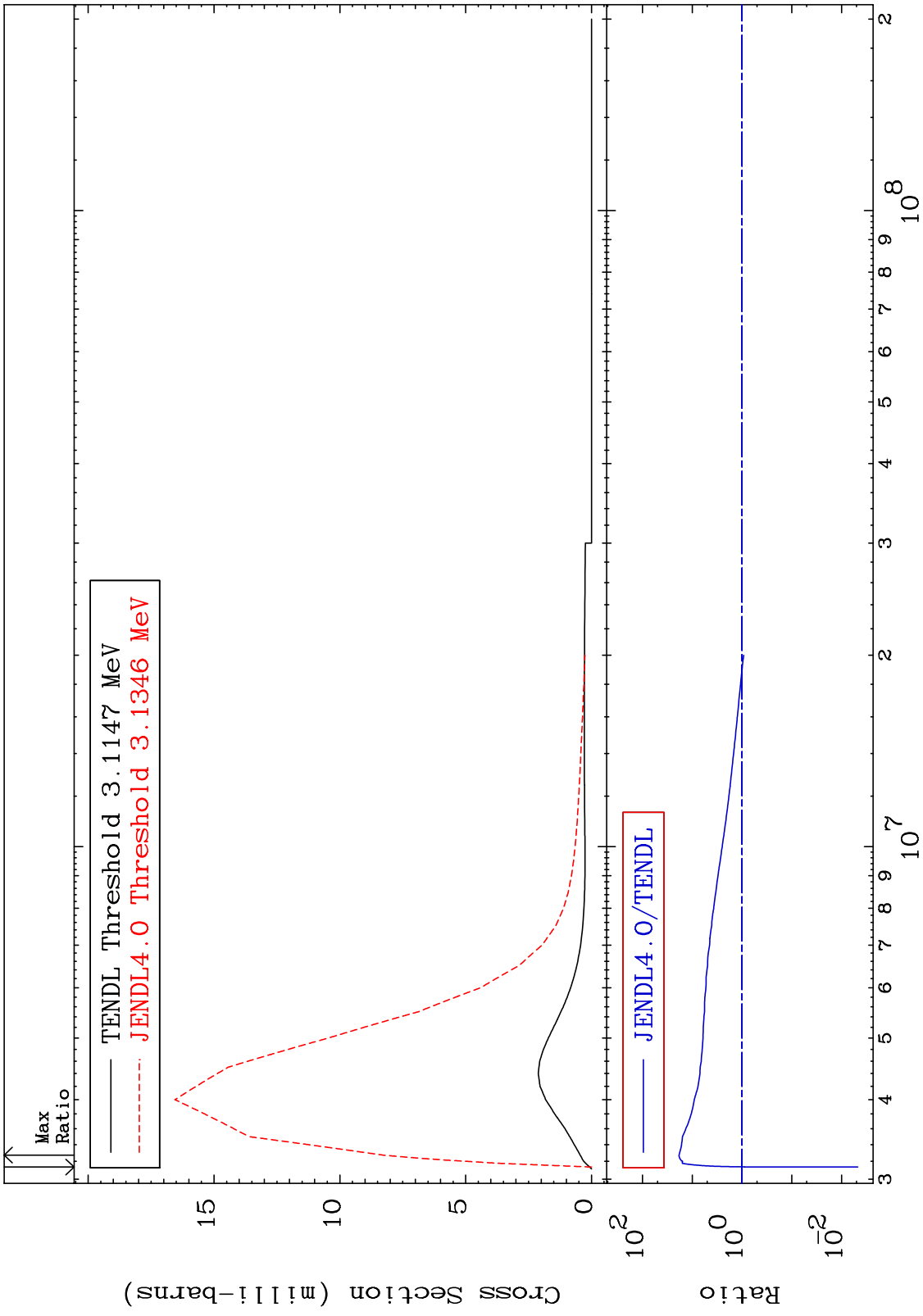
MAT 5031

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

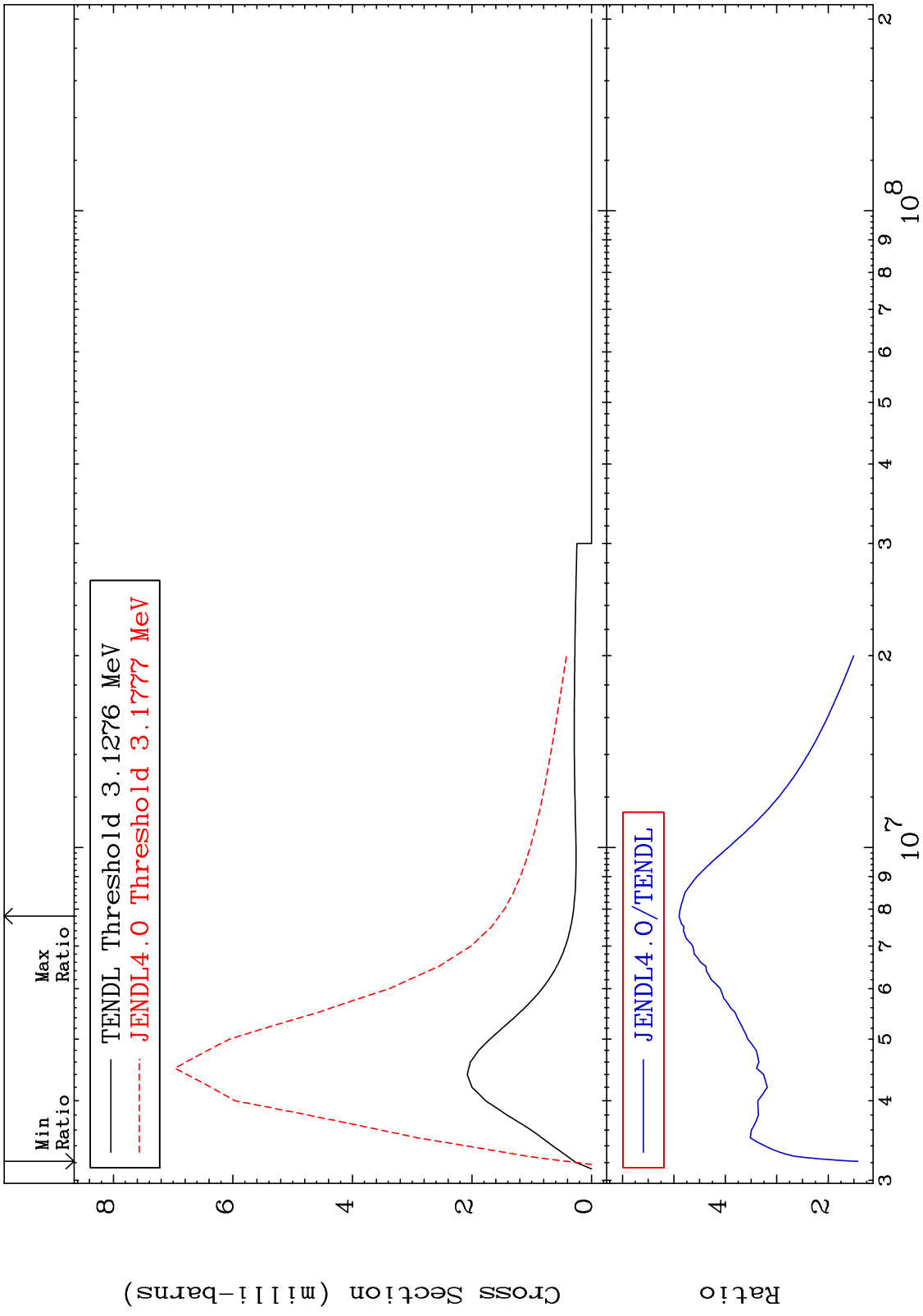
50-Sn-114
-79.69 To 127.1 %



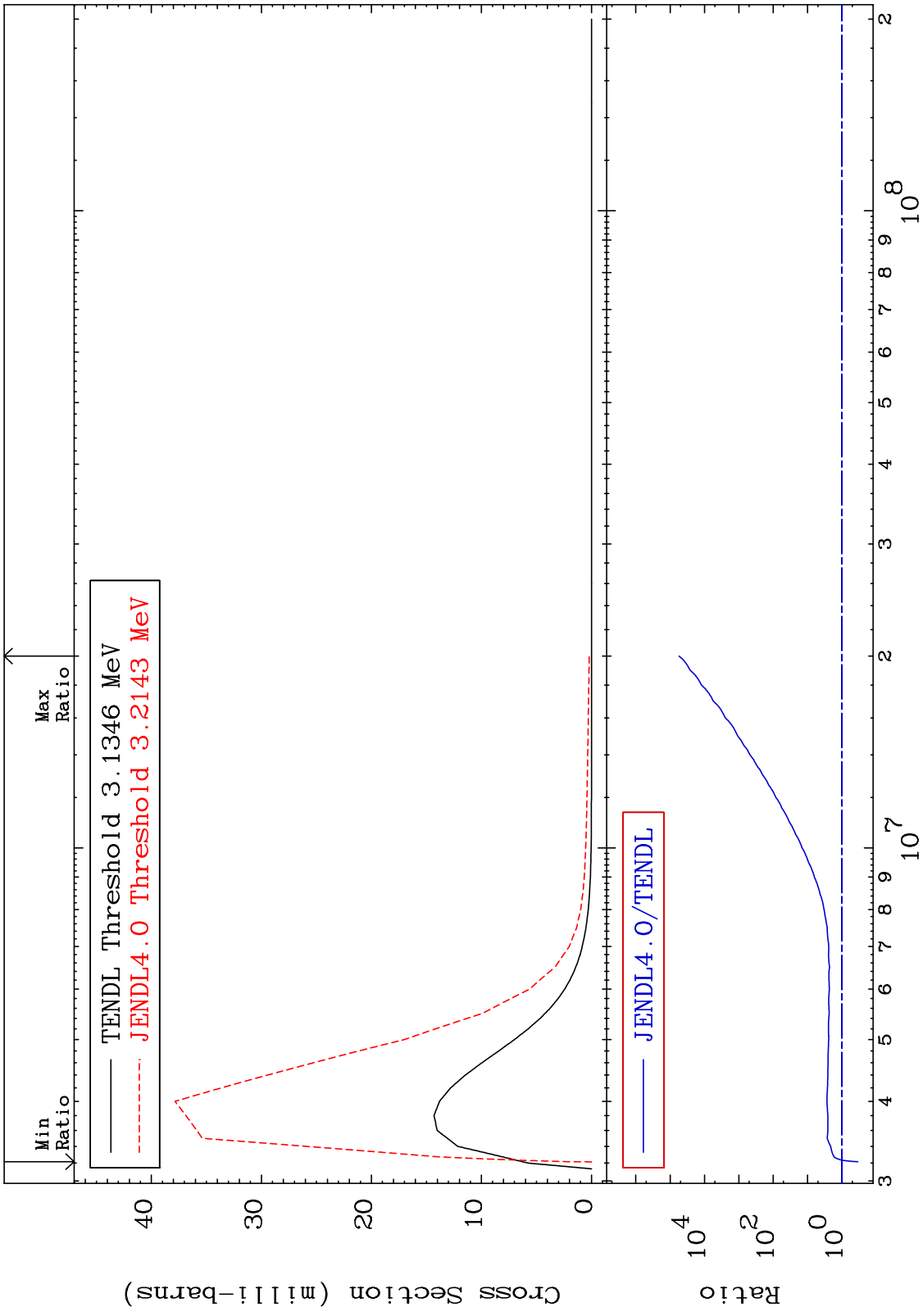
MAT 5031 MT= 76 (n,n') Level Cross Section 50-Sn-114 -99.53 To 1745. %



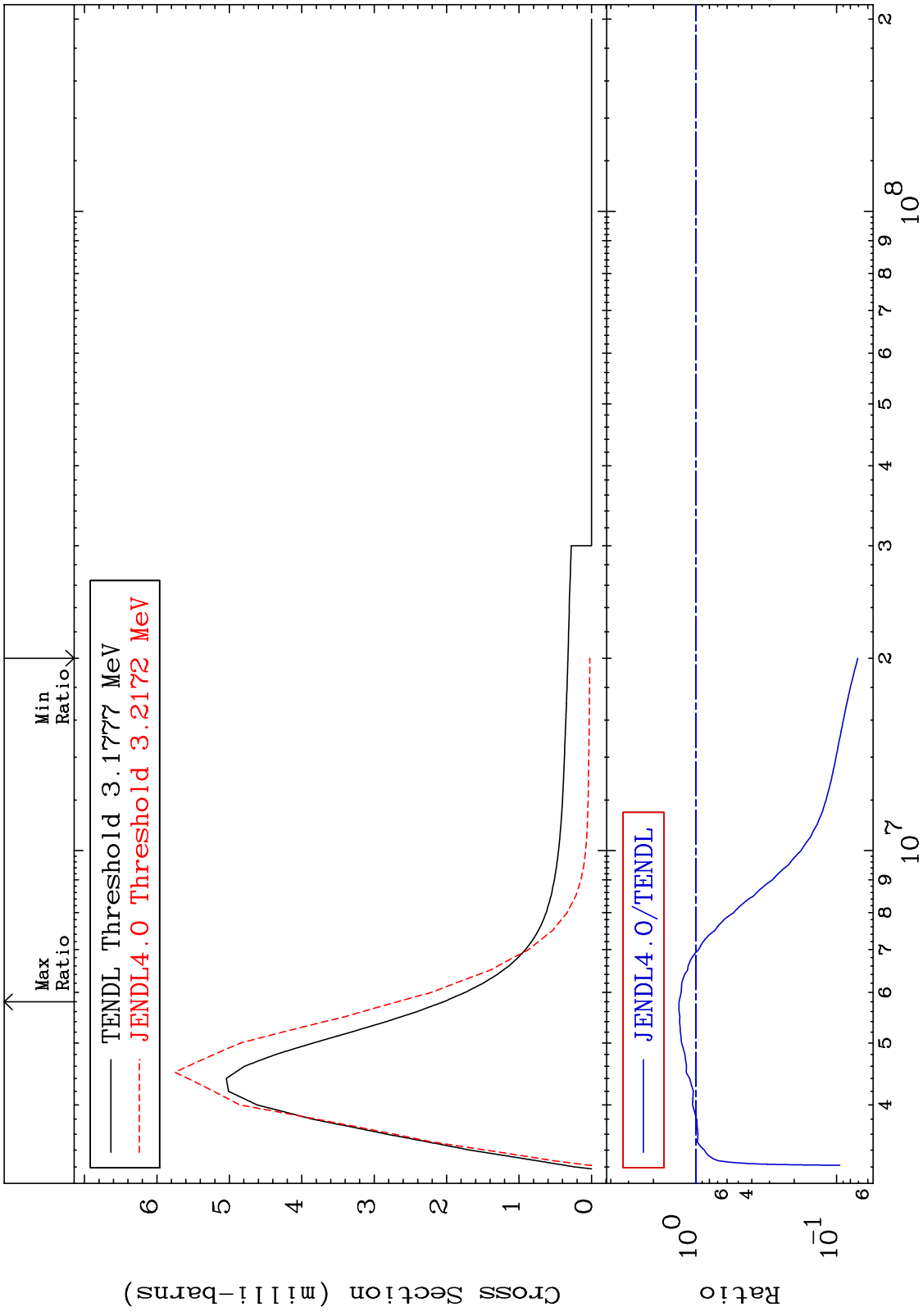
MAT 5031 MT= 77 (n,n') Level Cross Section 50-Sn-114 42.34 To 390.0 %



MAT 5031 MT= 78 (n,n') Level Cross Section 50-Sn-114
 -65.57 To 9999. %



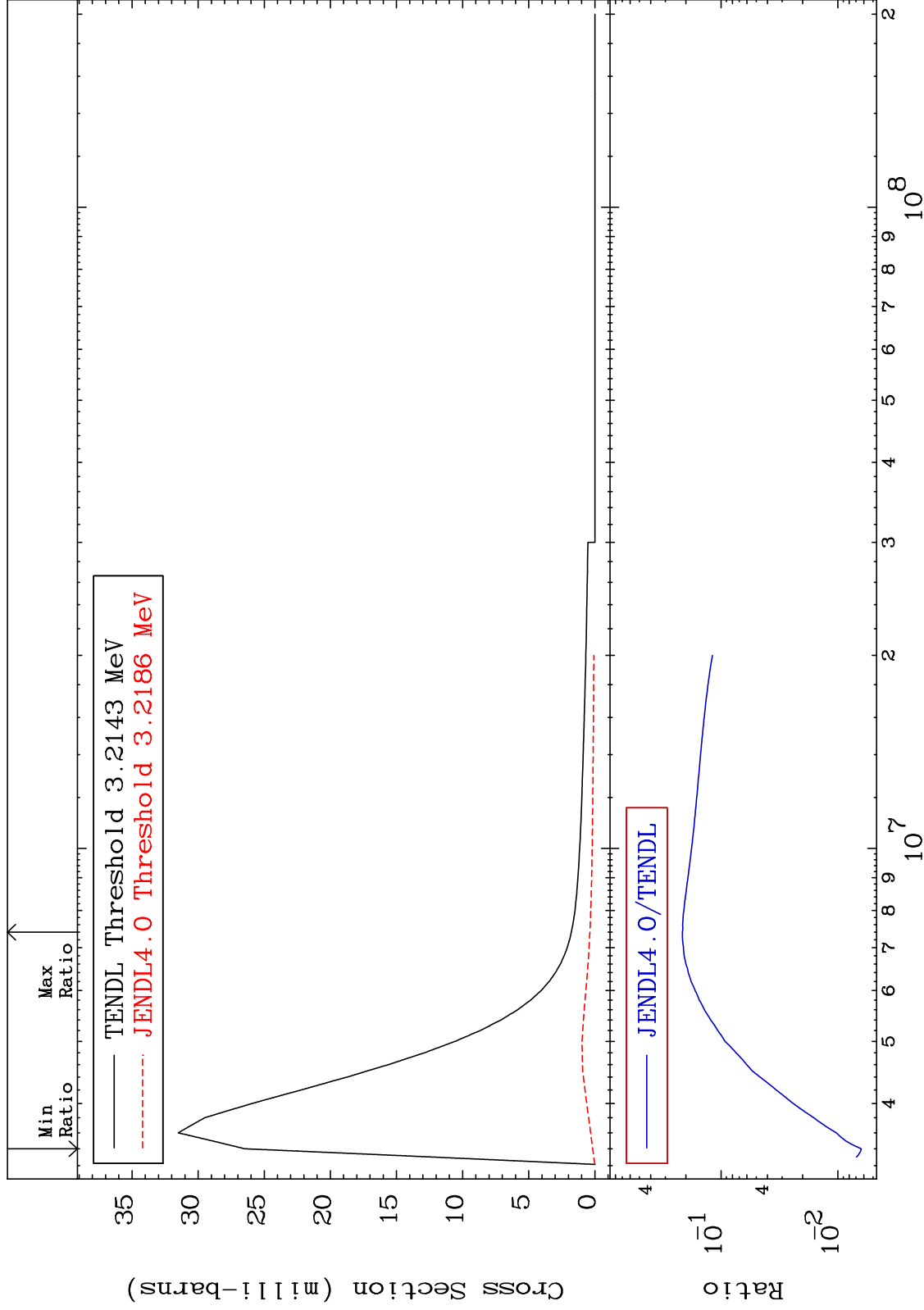
MAT 5031 MT= 79 (n,n') Level Cross Section 50-Sn-114
 -92.92 To 31.34 %



MAT 5031

MT= 80 (n,n') Level
Cross Section

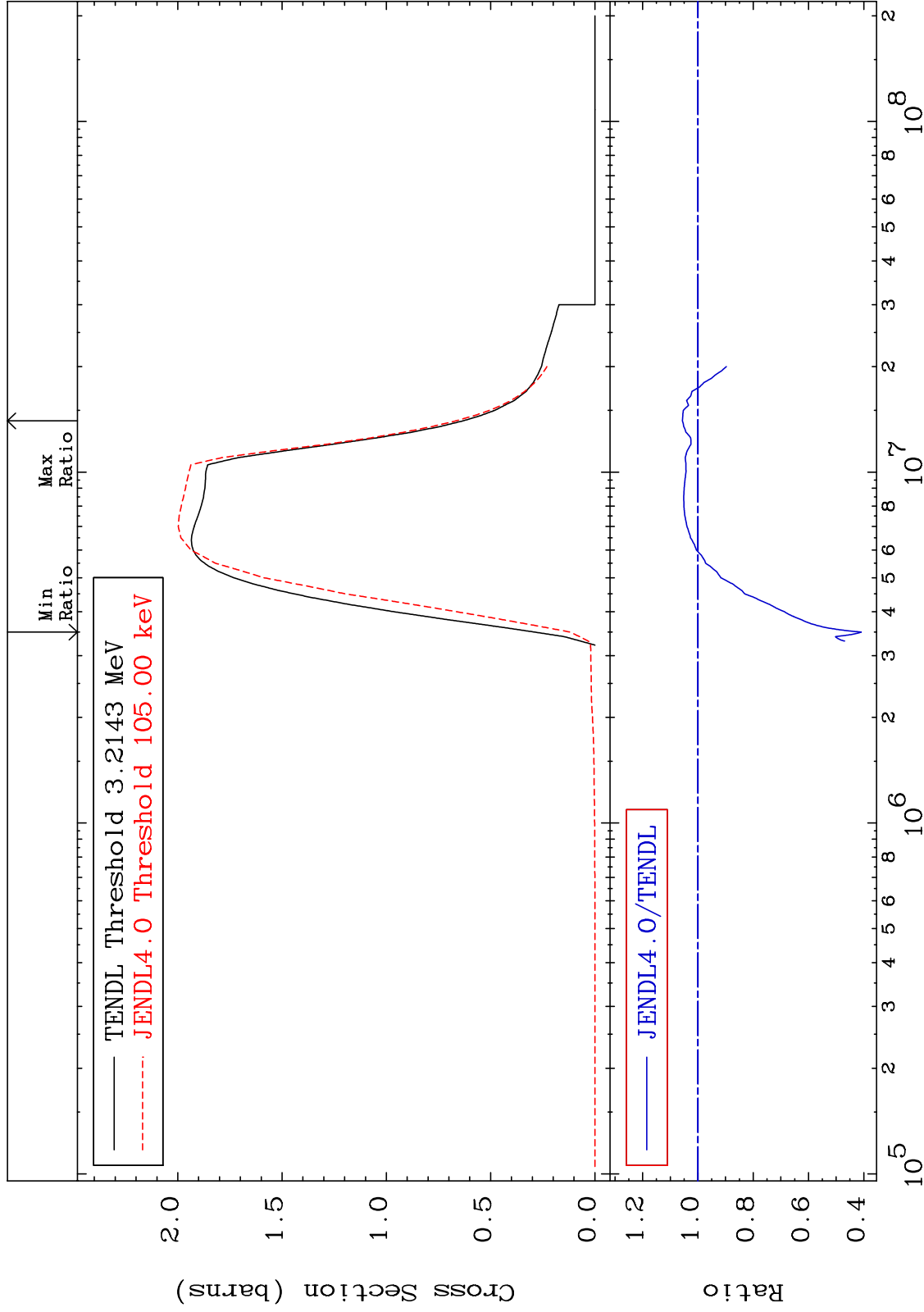
50-Sn-114
-99.37 To -78.59%



MAT 5031

(n,n') Continuum
Cross Section

50-Sn-114
-59.10 To 5.588 %



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Incident Energy (eV)

50-Sn-114

MAT 5031

(n, γ)

50-Sn-114

-100.0 To 9999. %

Cross Section

Max Ratio
Min Ratio

— TENDL
- - - JENDL4.0

Cross Section (barns)
 10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-6}
Ratio
 10^6
 10^3
 10^0
 10^{-3}

— JENDL4.0/TENDL

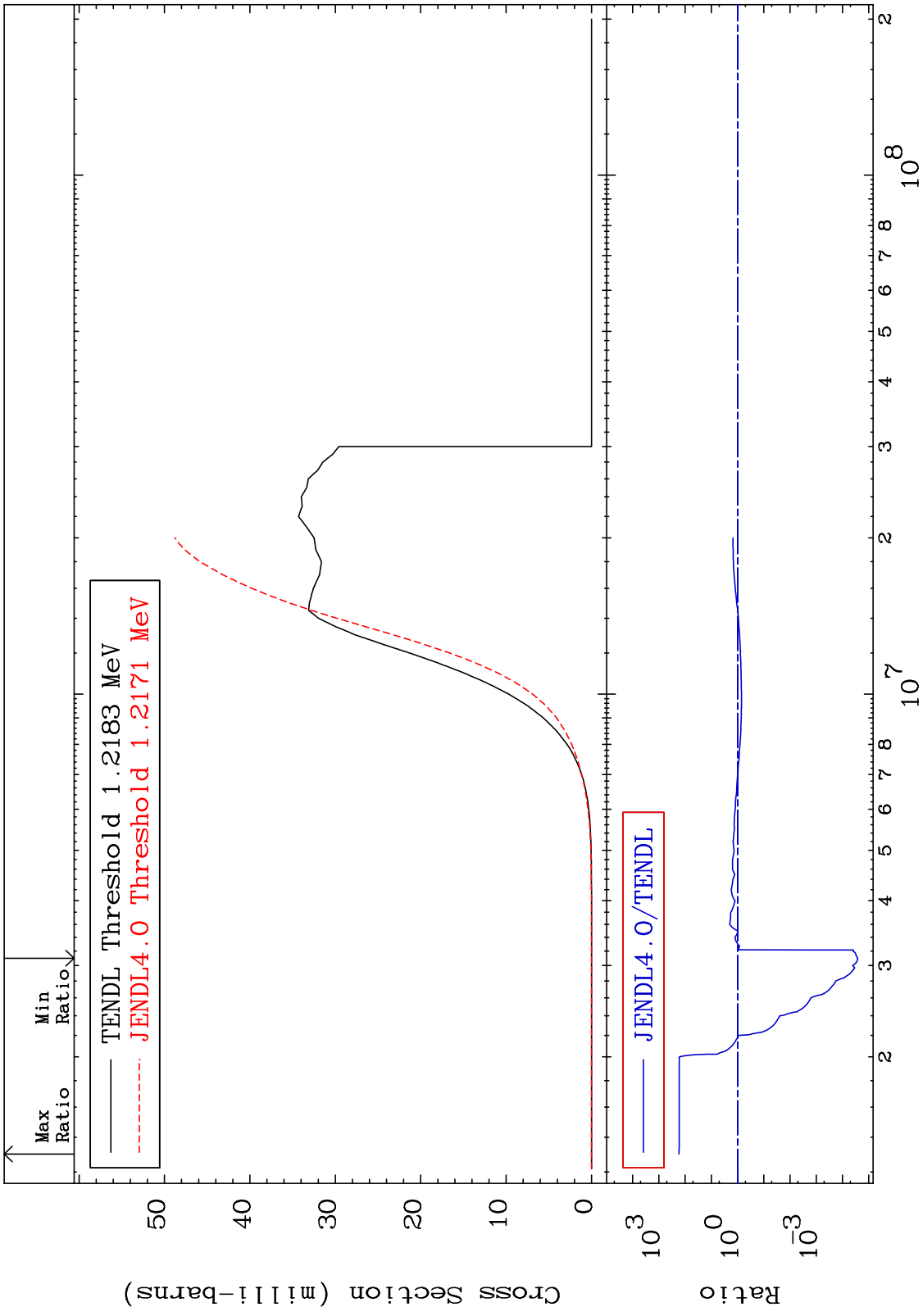
Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

40

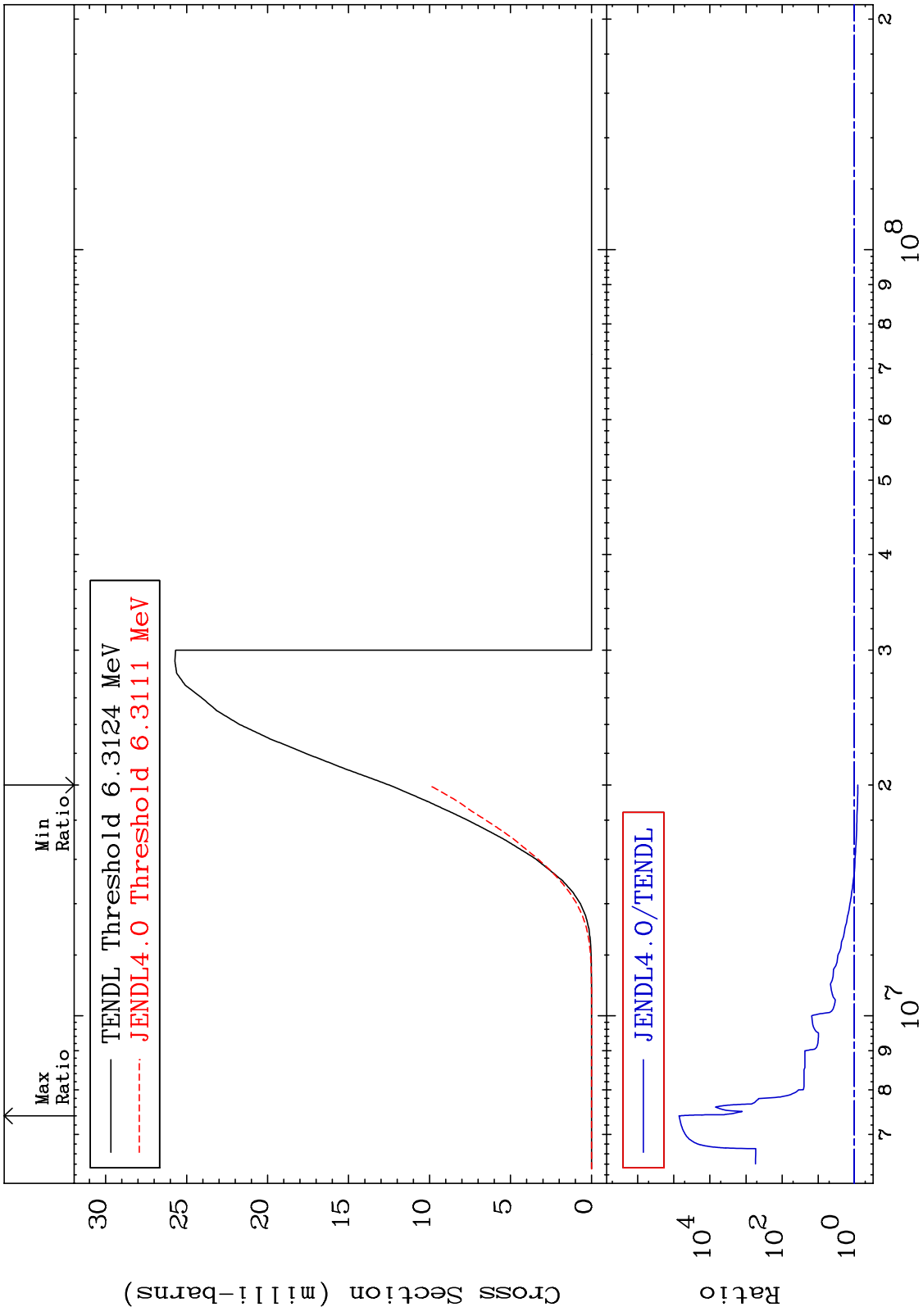
Incident Energy (eV)

50-Sn-114

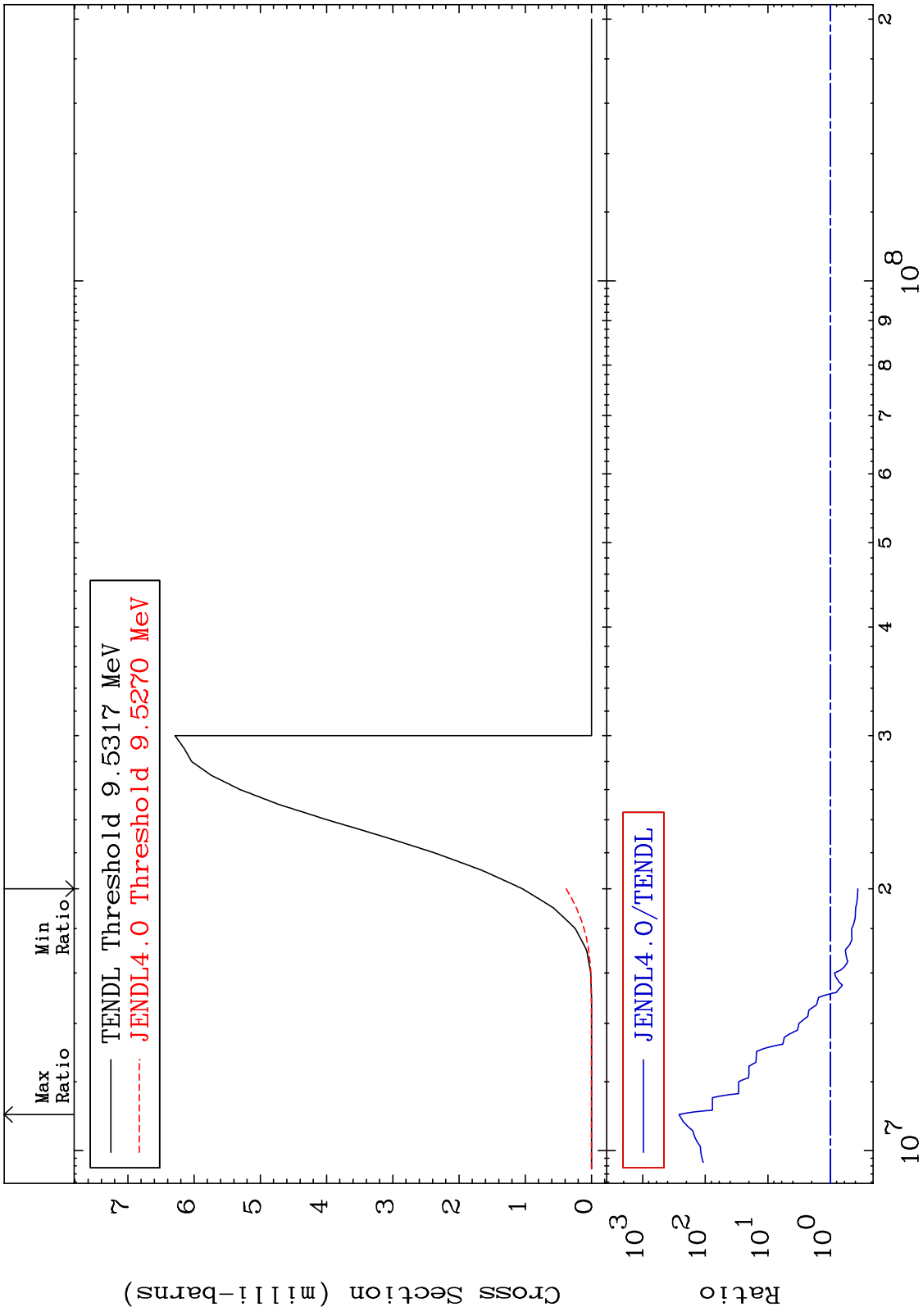
MAT 5031 (n,p) 50-Sn-114
 Cross Section -100.0 To 9999. %



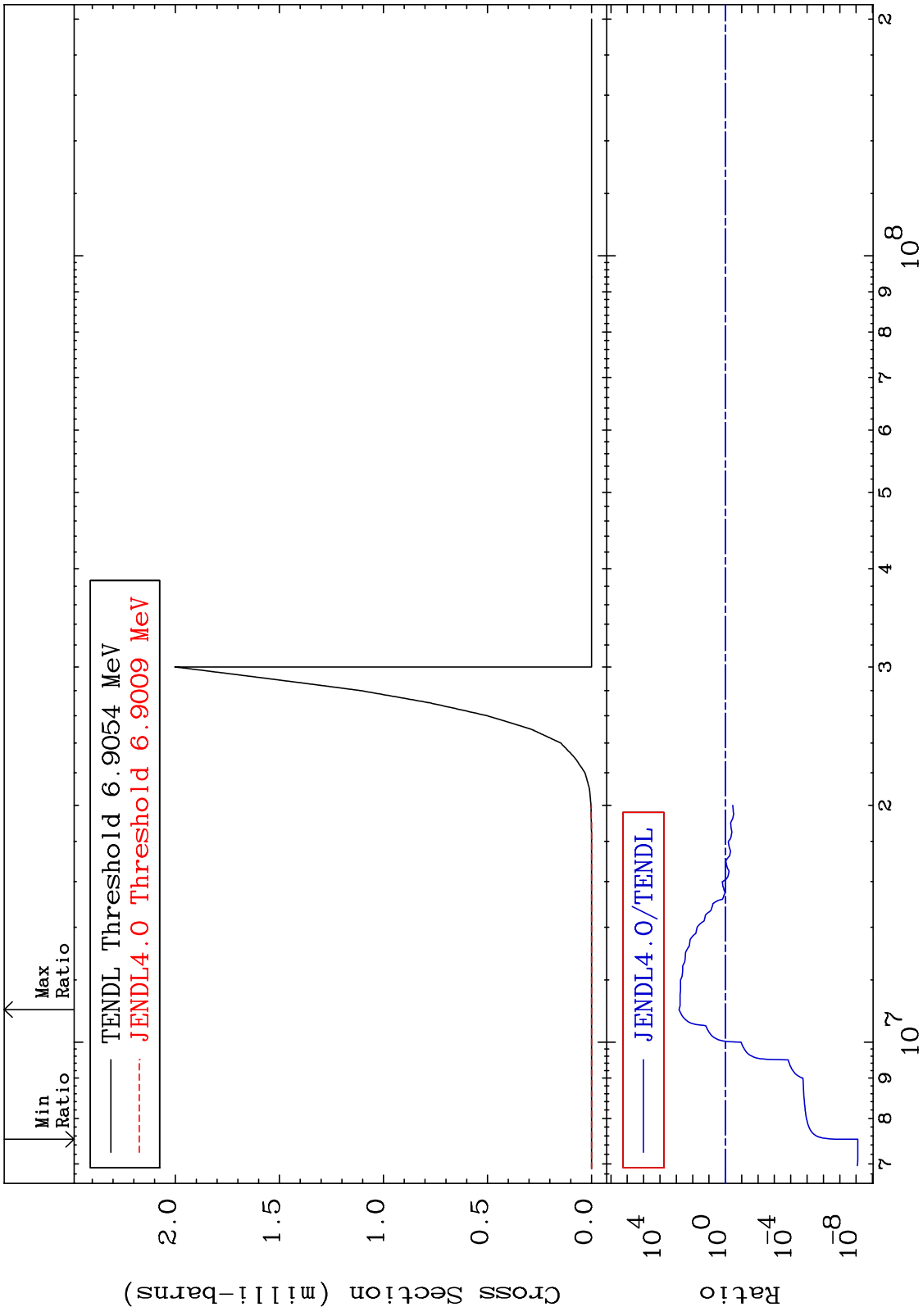
MAT 5031 (n,d) 50-Sn-114
 Cross Section -19.75 To 9999. %



MAT 5031 (n,t) 50-Sn-114
 Cross Section -63.35 To 9999. %



43 50-Sn-114 Incident Energy (eV)



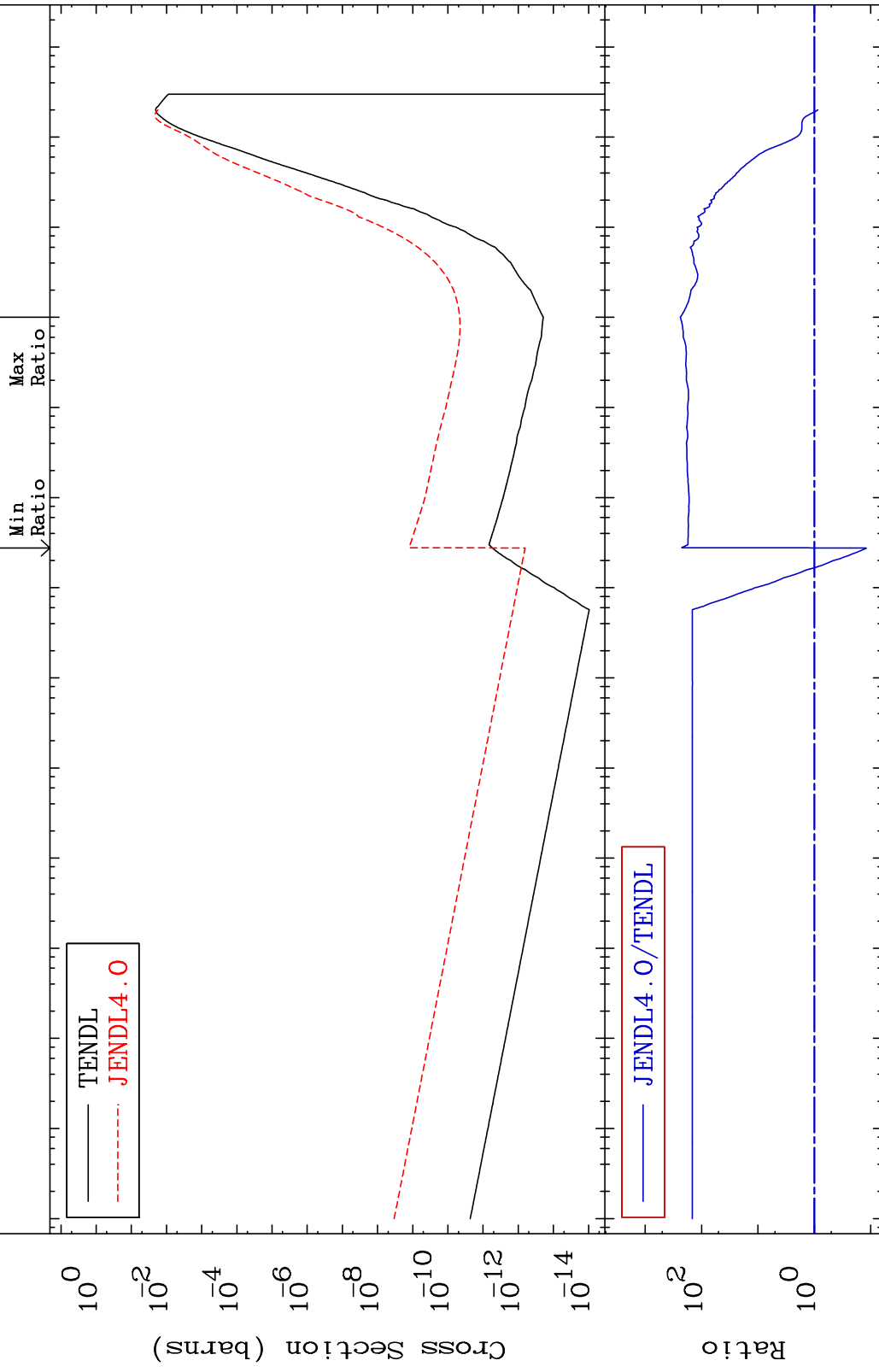
MAT 5031

(n, α)

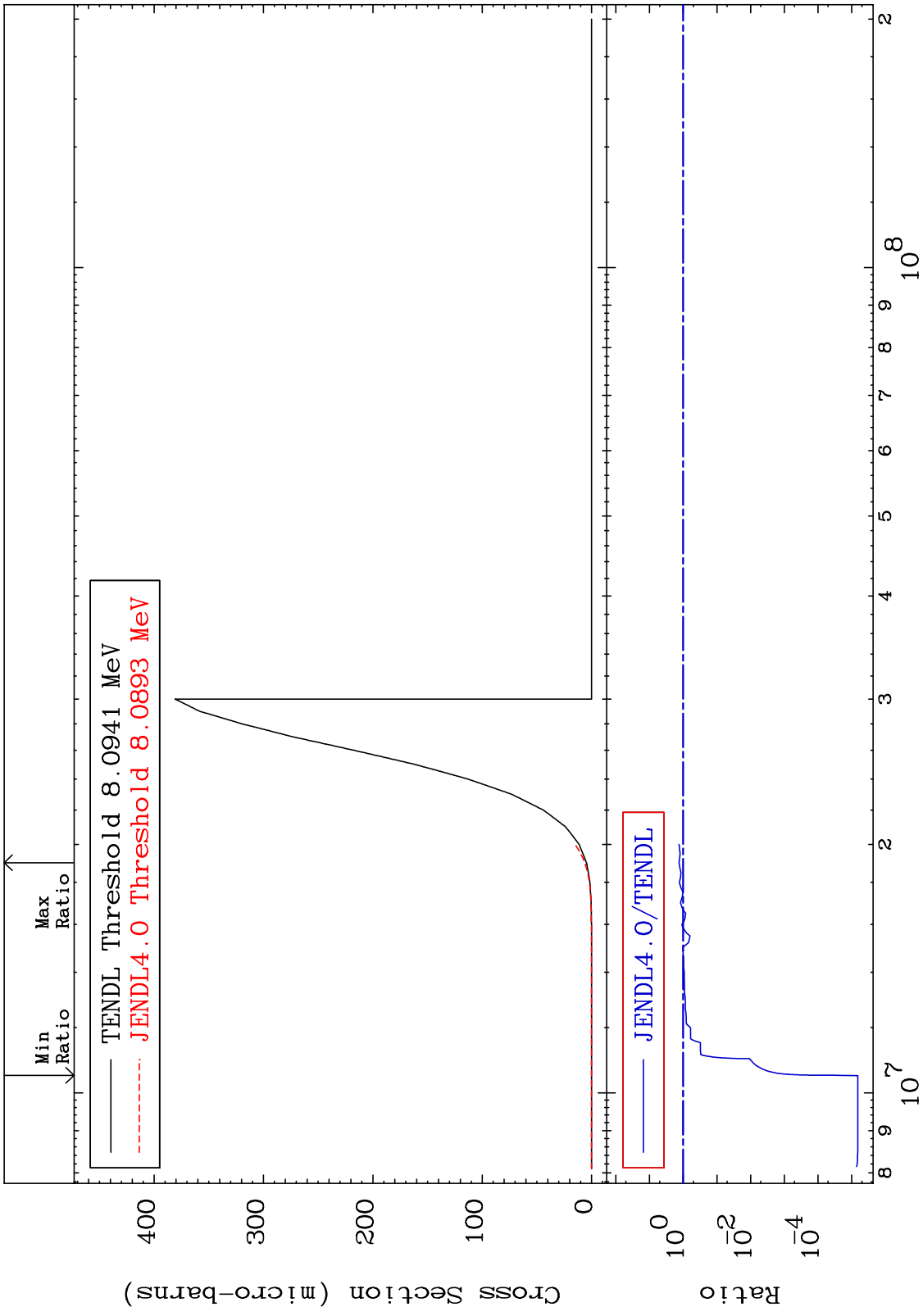
50-Sn-114

-88.19 To 9999. %

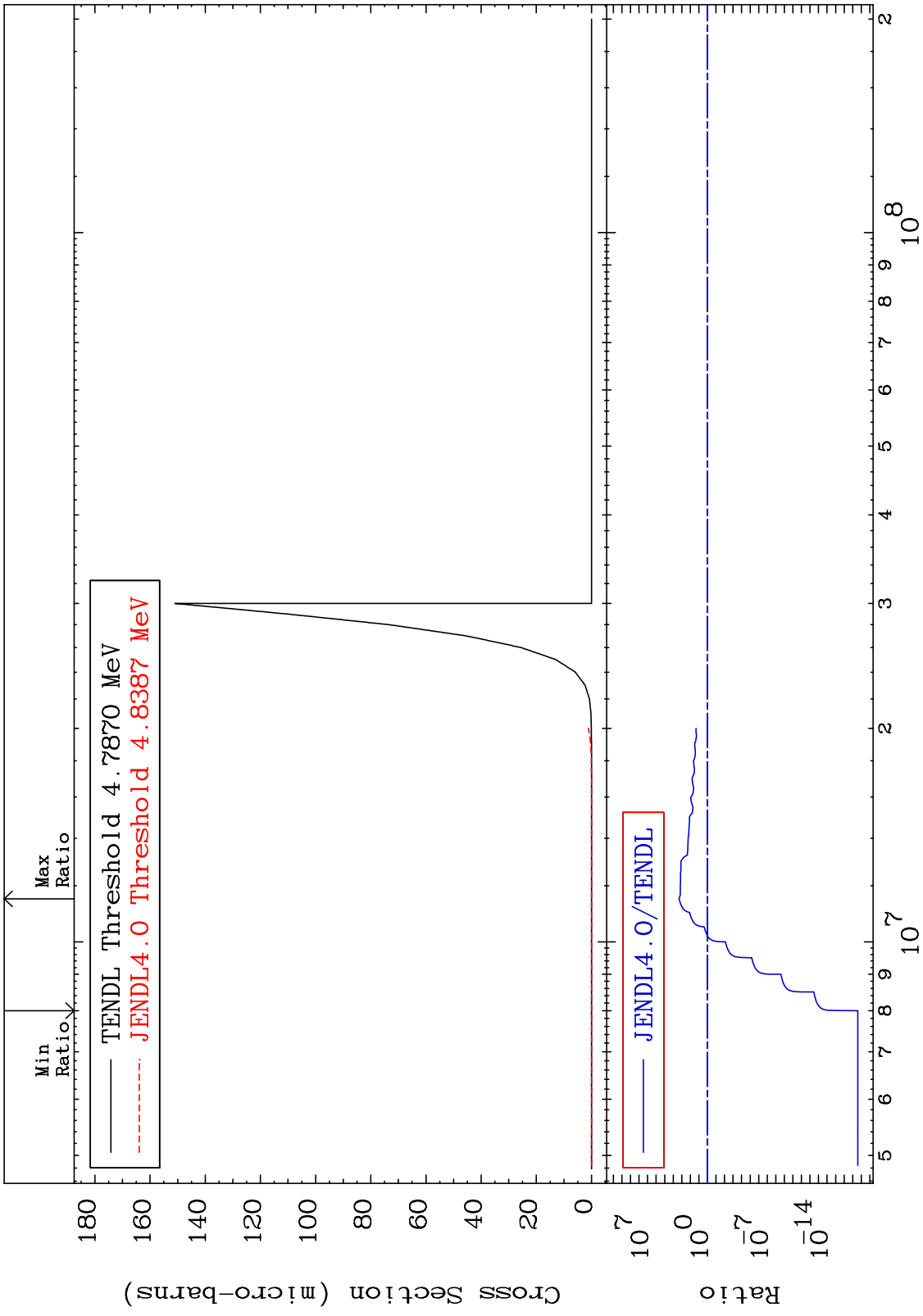
Cross Section

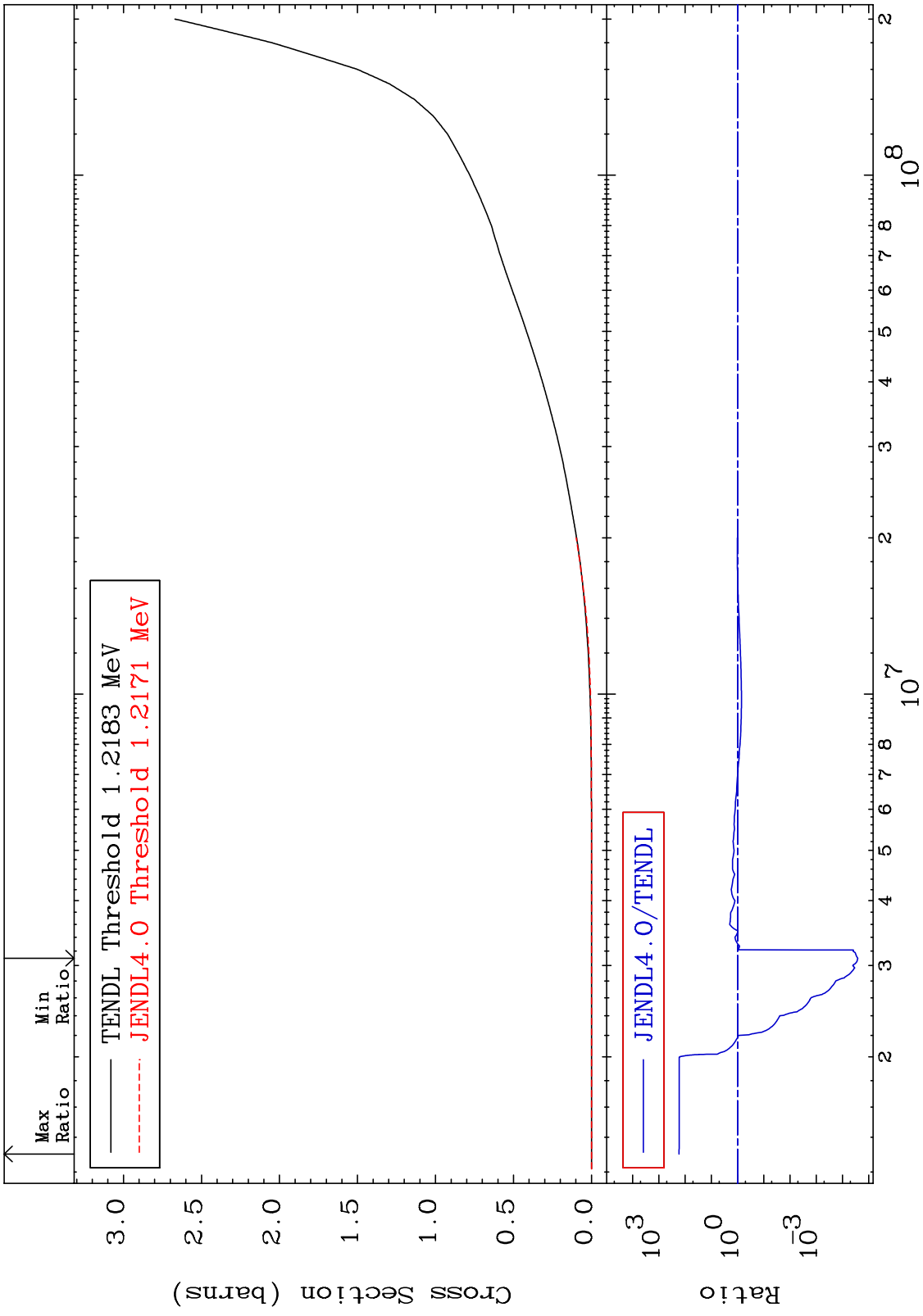


MAT 5031 50-Sn-114
-100.0 To 32.88 %
 (n,2p)
 Cross Section



MAT 5031 $(n,p) \alpha$ 50-Sn-114
 -100.0 To 9999. %
 Cross Section

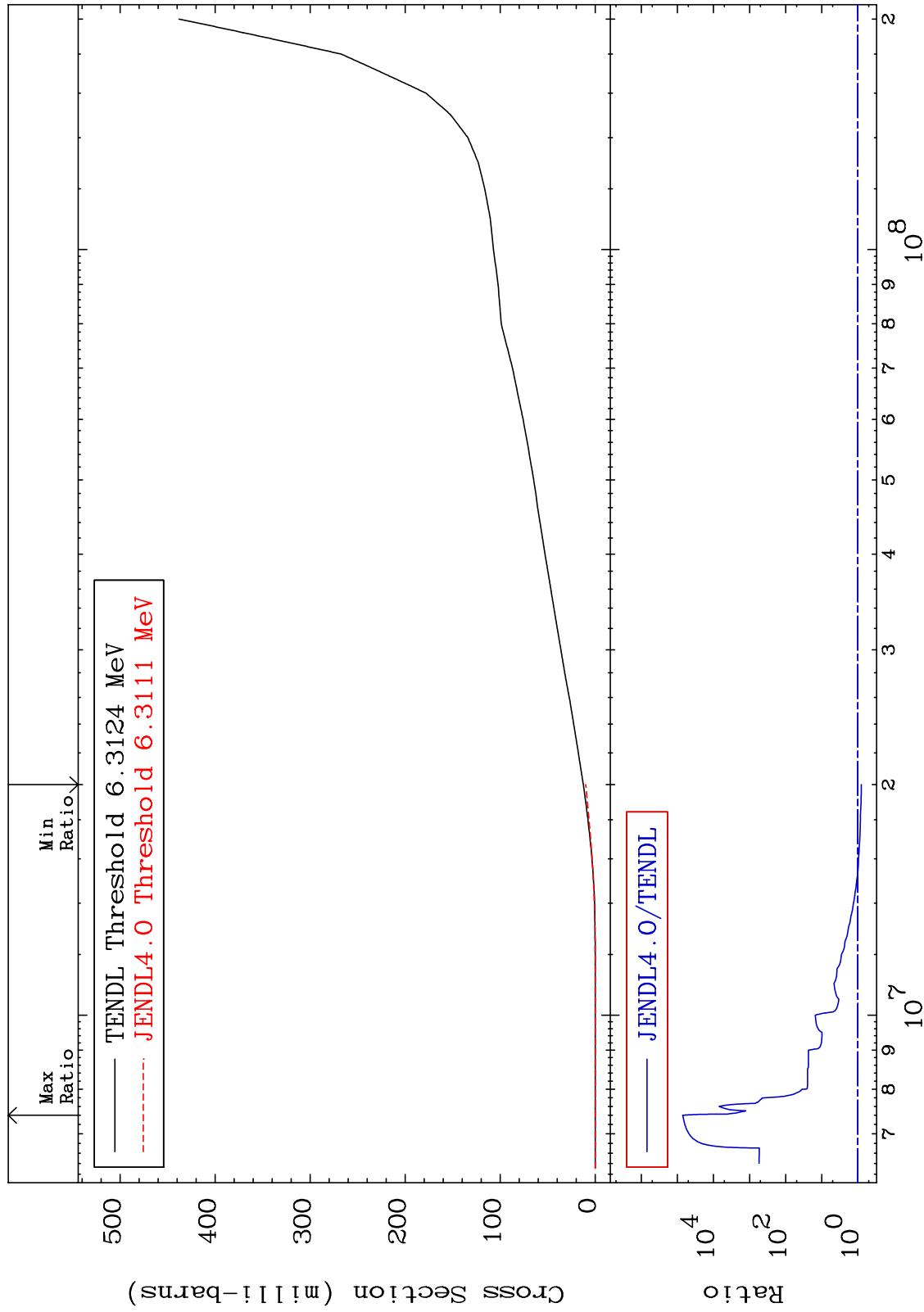




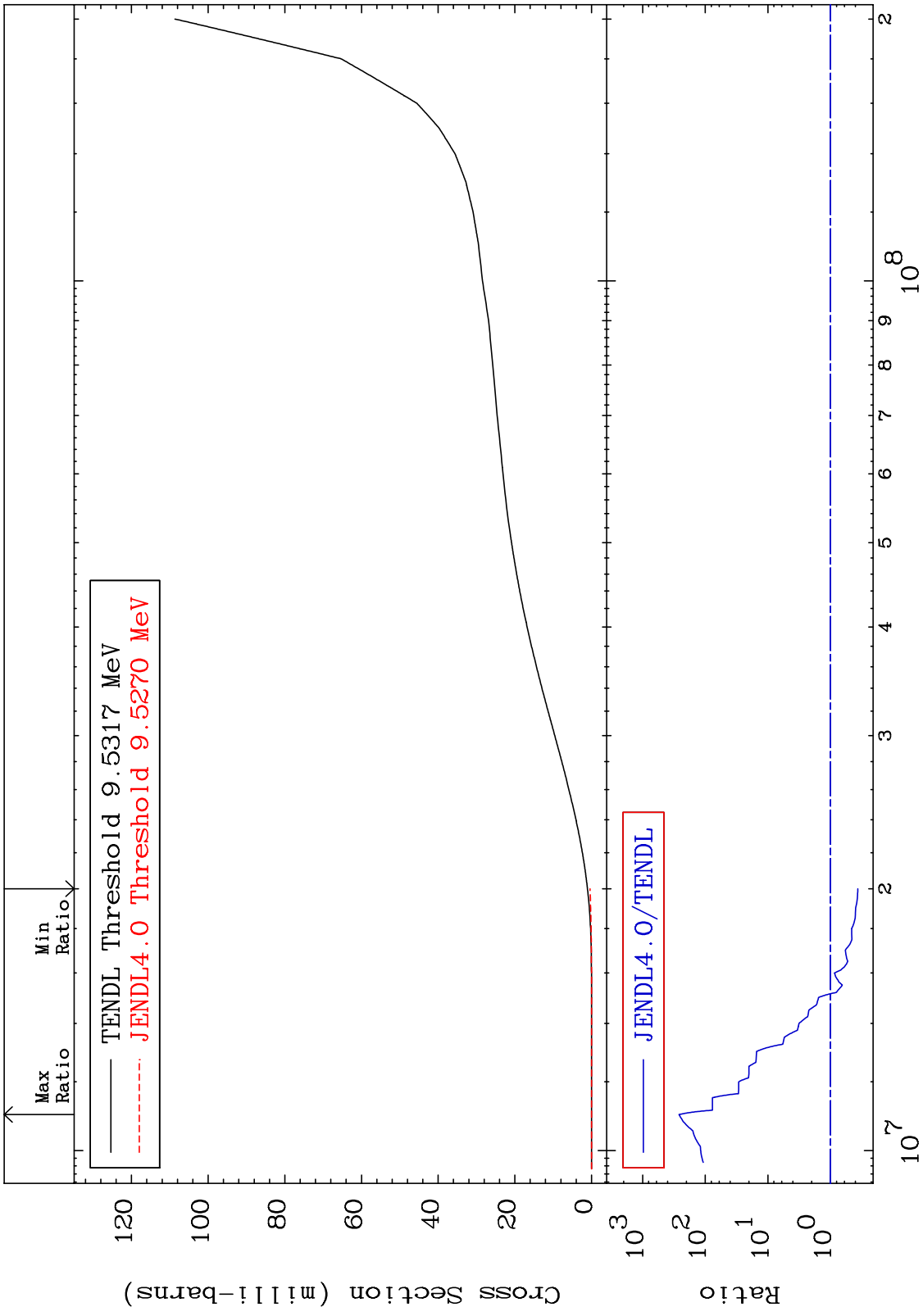
MAT 5031

Deuterium Production
Cross Section

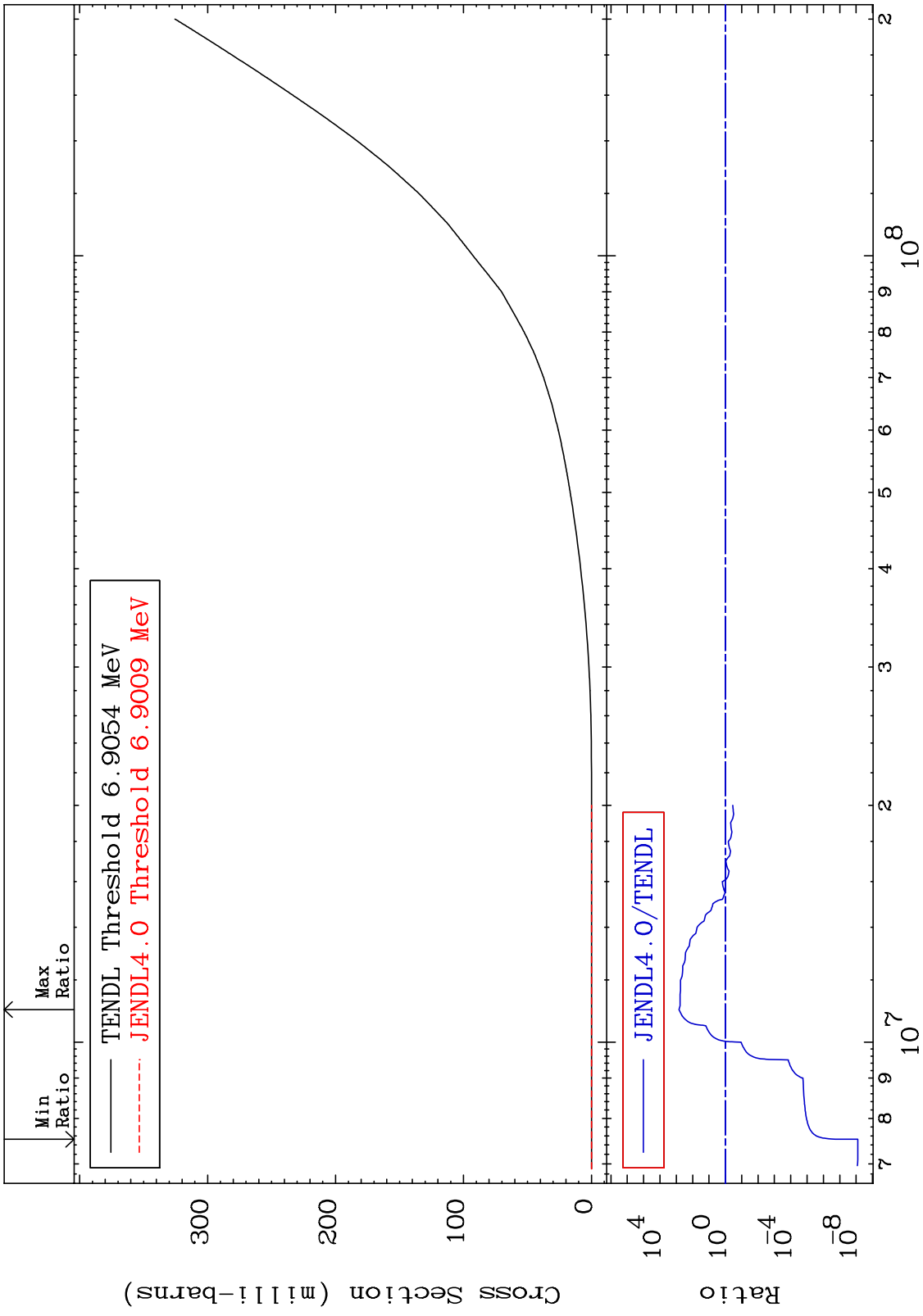
50-Sn-114
-19.74 To 9999. %



MAT 5031 Tritium Production Cross Section 50-Sn-114 -63.35 To 9999. %



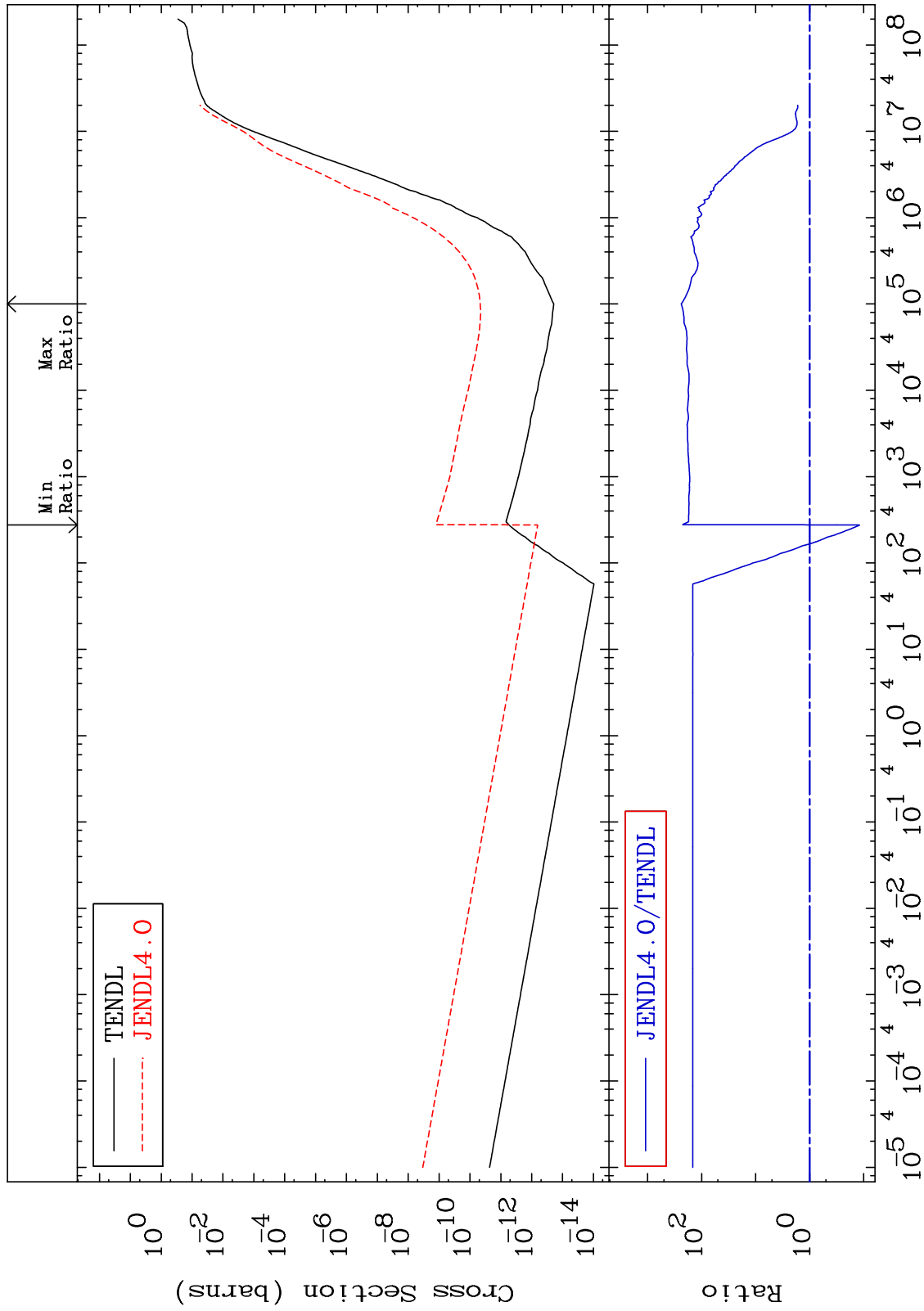
50 Incident Energy (eV) 50-Sn-114



MAT 5031

He-4 Production
Cross Section

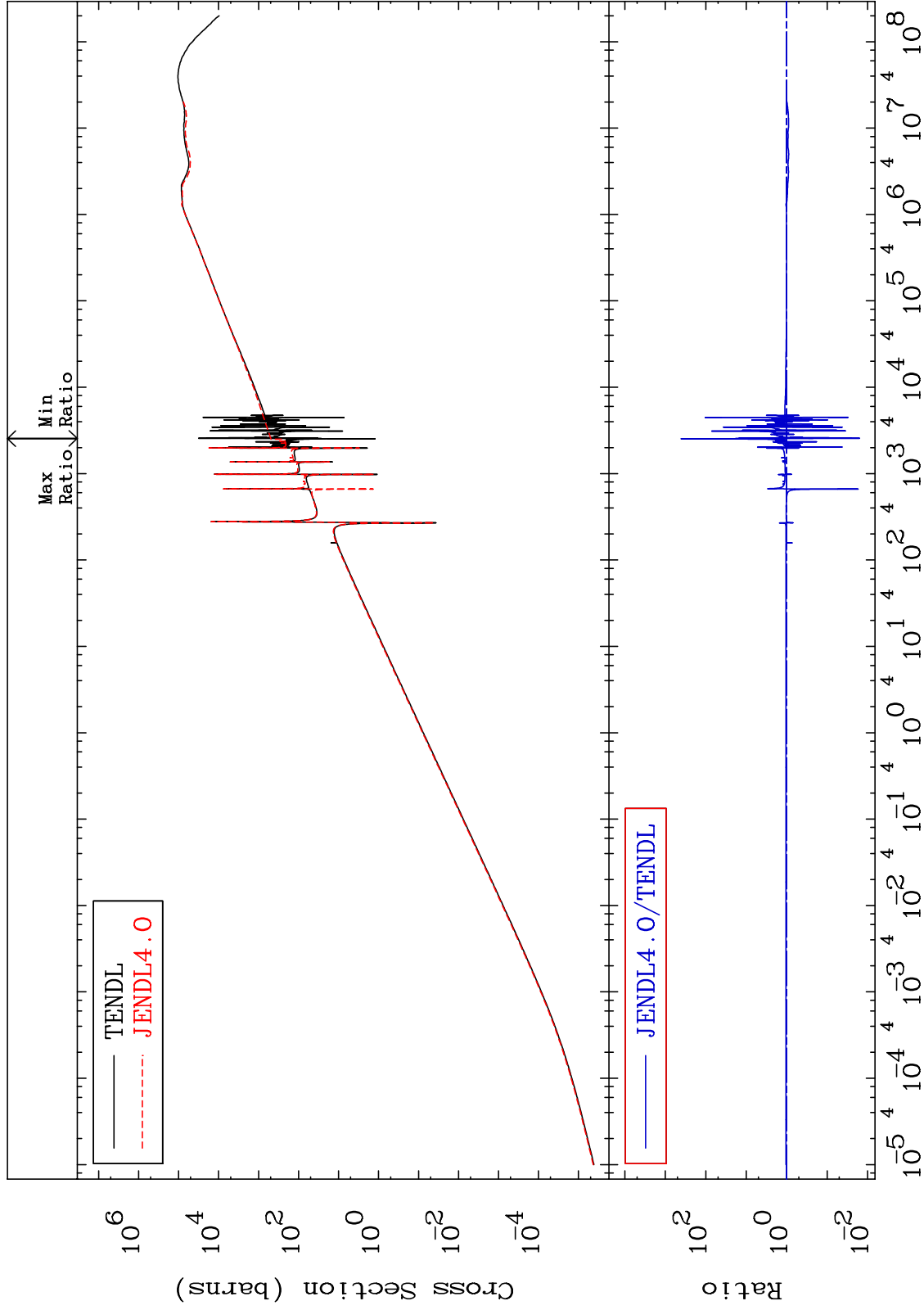
50-Sn-114
-88.19 To 9999. %



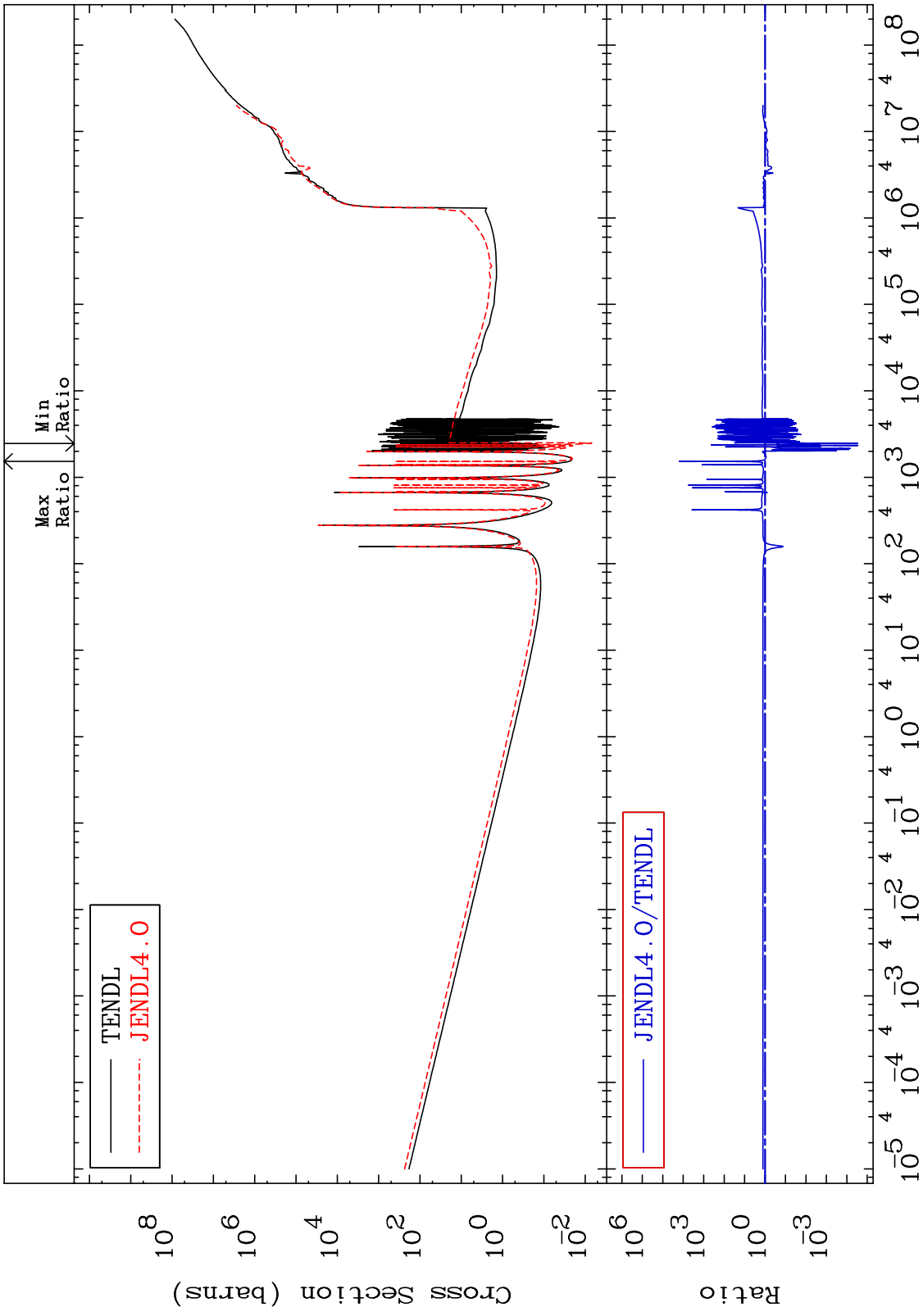
MAT 5031

Kerma elastic
Cross Section

50-Sn-114
-98.44 To 9999. %



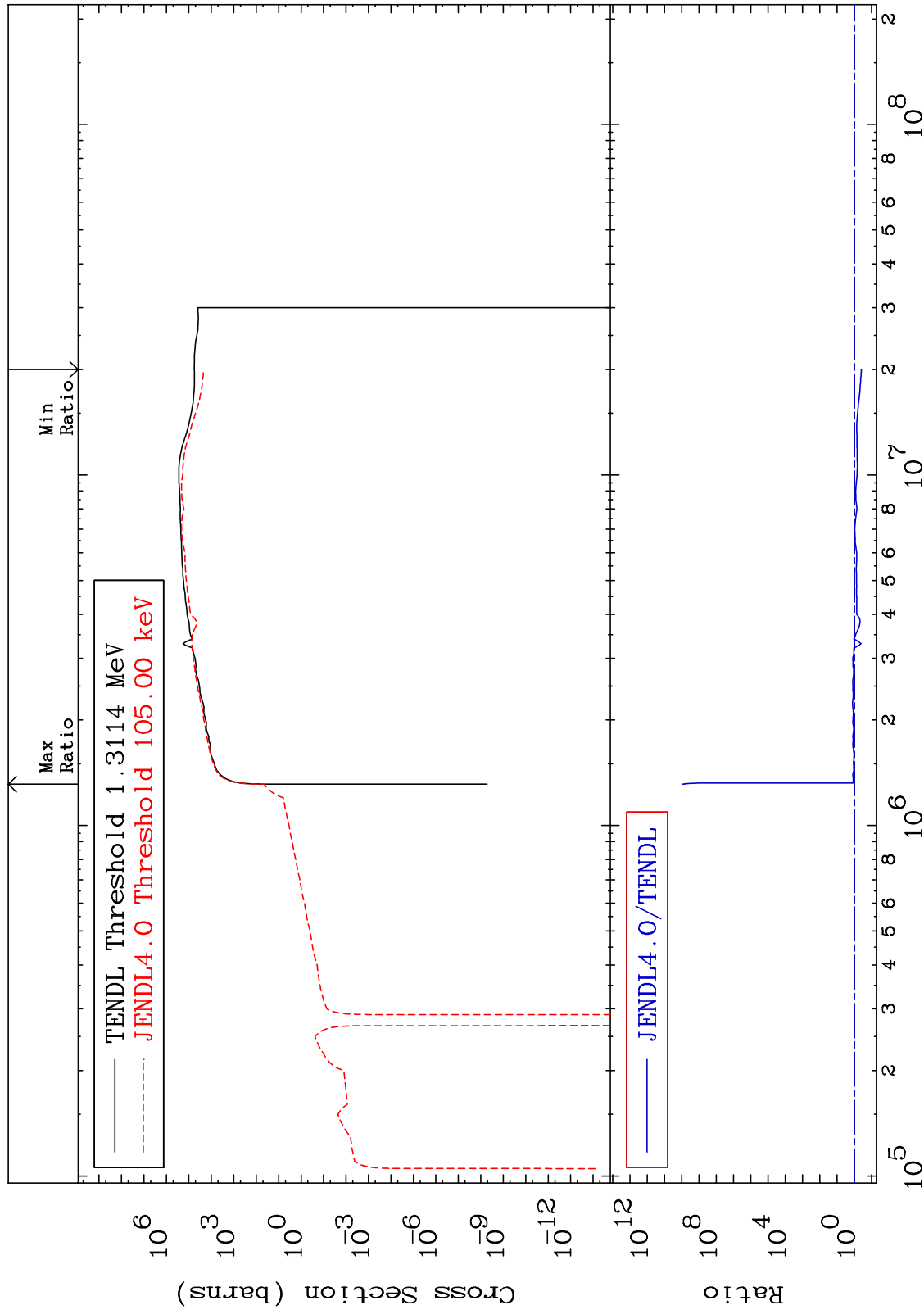
MAT 5031 Kerma non-elastic (all but mt2) 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031

Kerma inelastic (mt51-91)
Cross Section

50-Sn-114
-61.18 To 9999. %



56

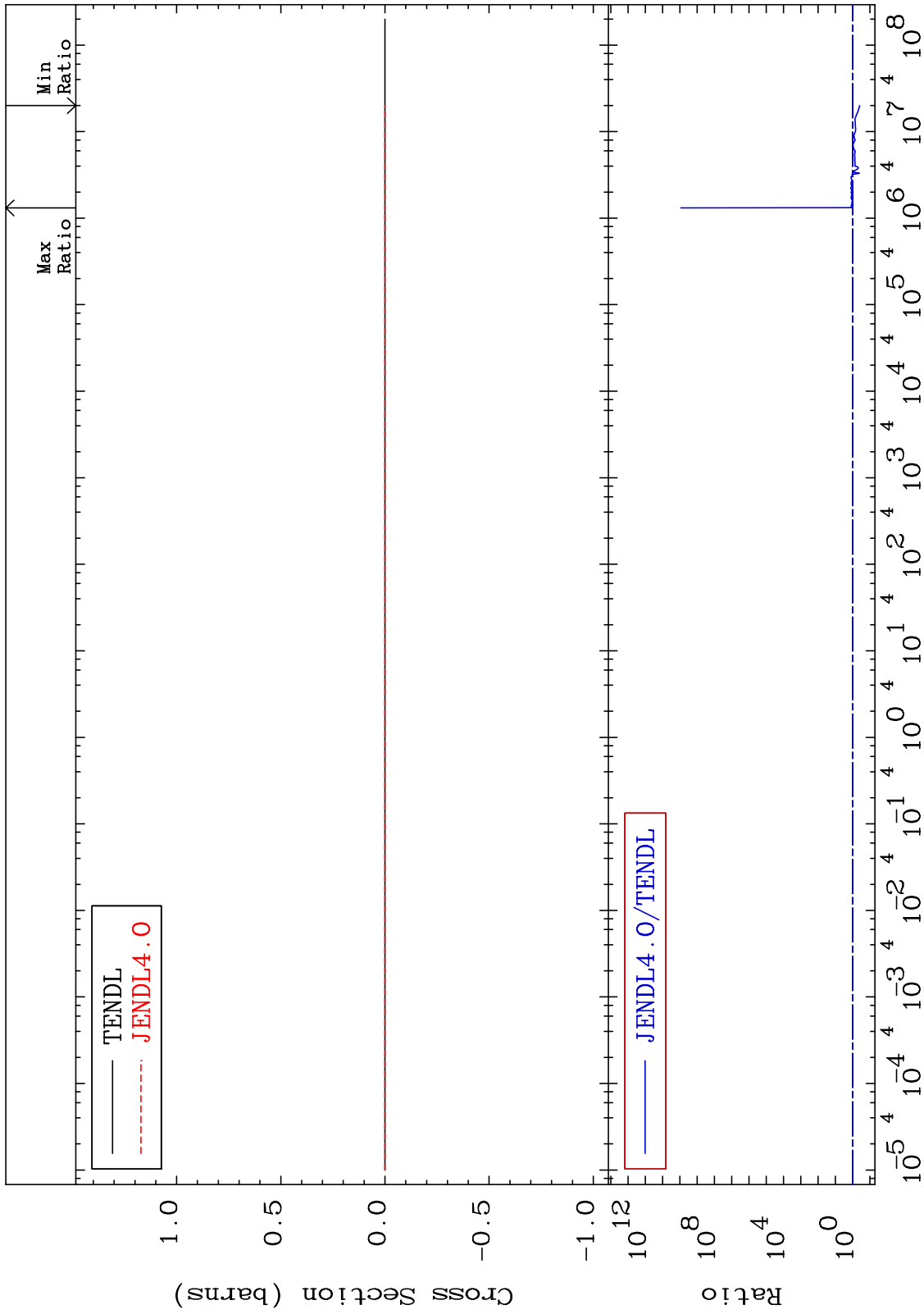
Incident Energy (eV)

50-Sn-114

MAT 5031

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

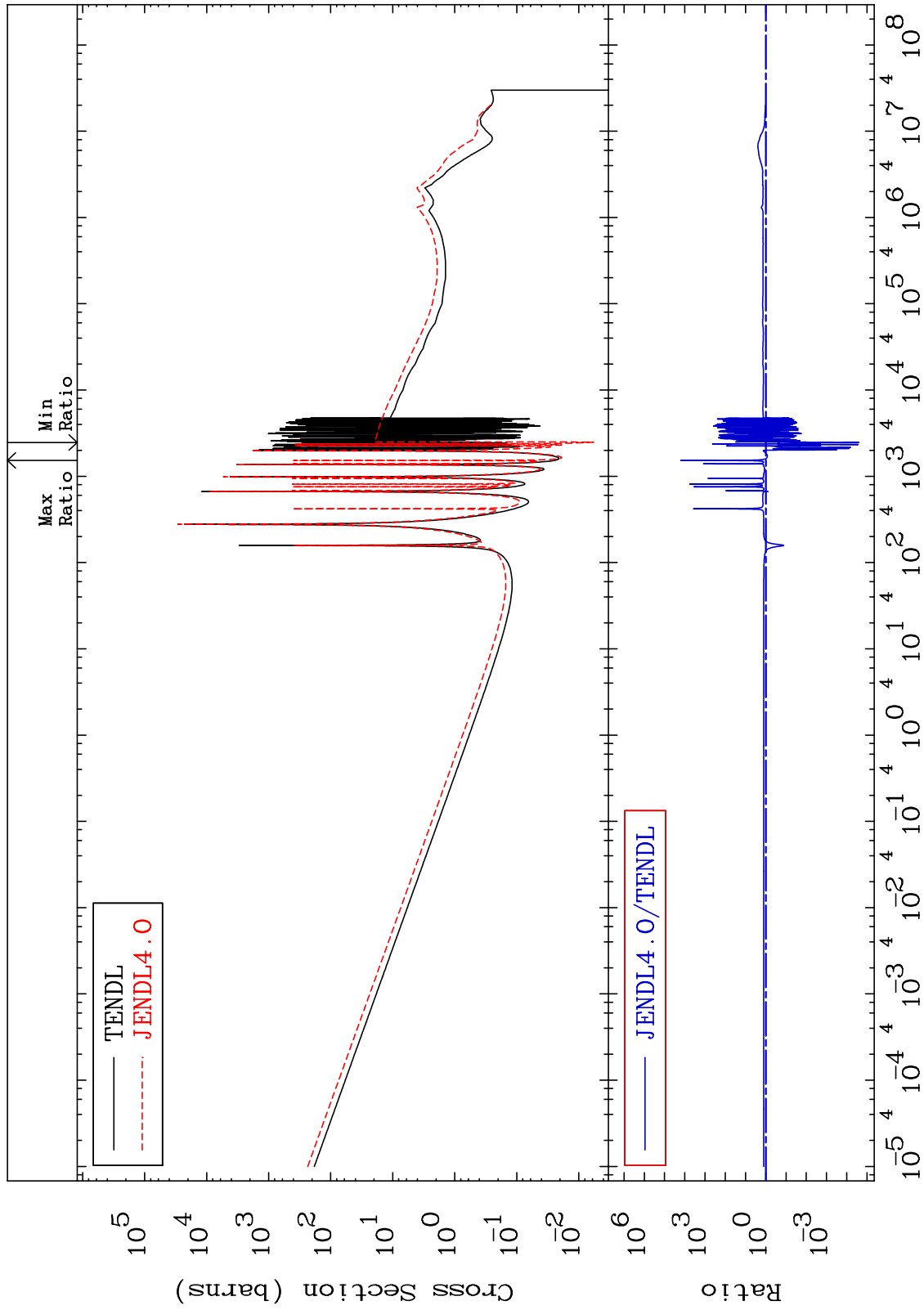
50-Sn-114
-61.18 To 9999. %



MAT 5031

Kerma capture (mt102)
Cross Section

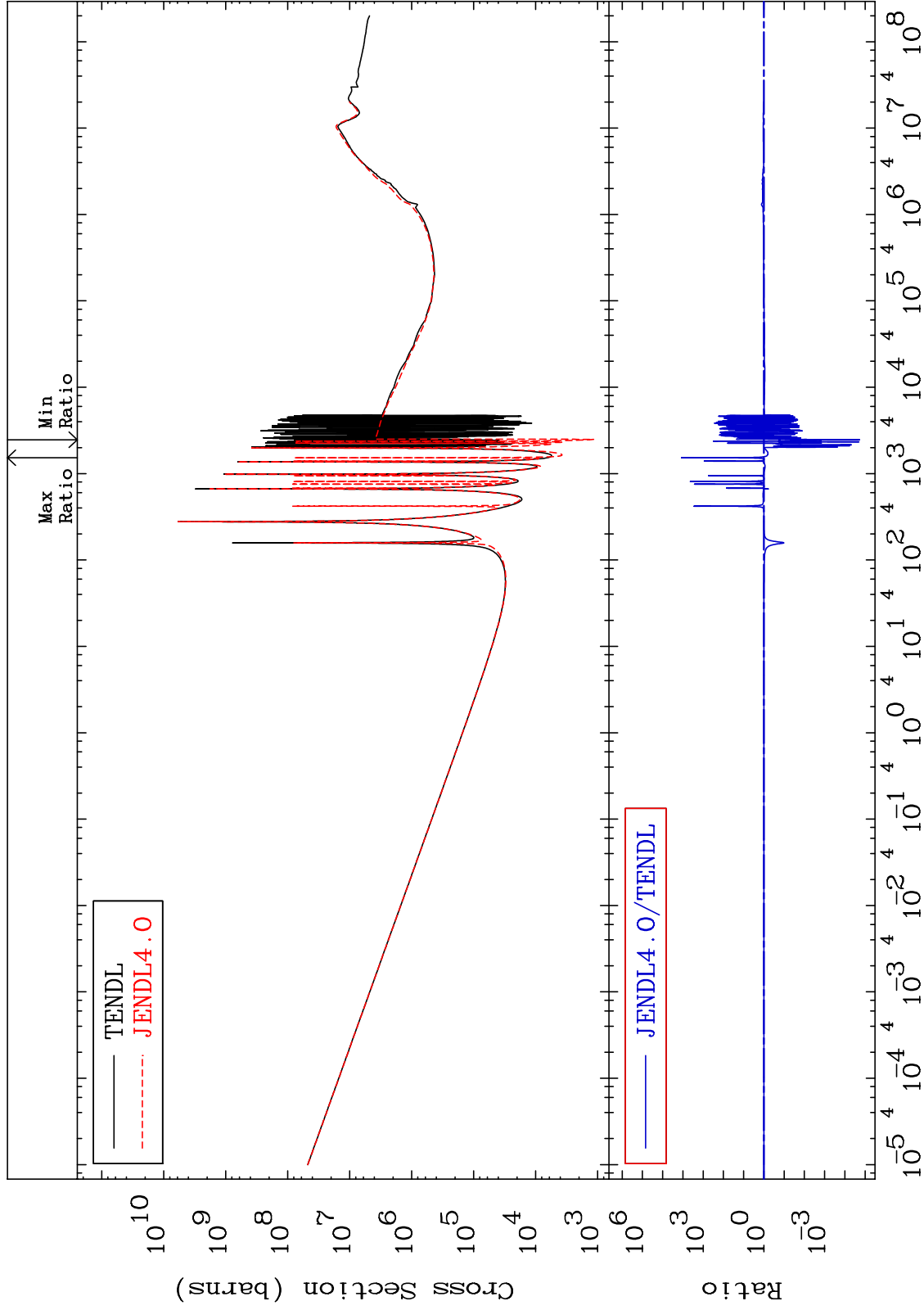
50-Sn-114
-100.0 To 9999. %



MAT 5031

Total photon (eV-barns)
Cross Section

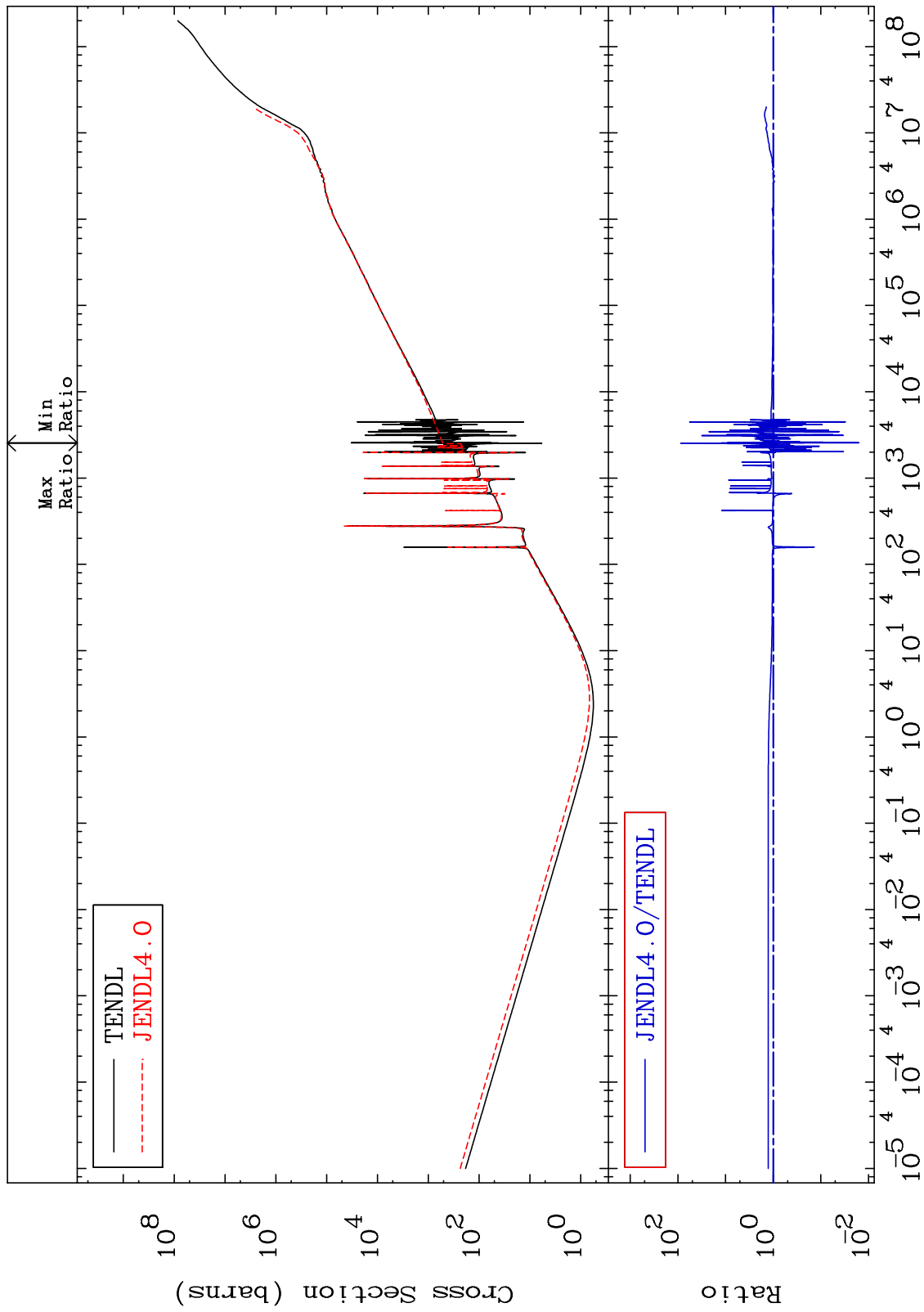
50-Sn-114
-100.0 To 9999. %



MAT 5031

Total kinematic kerma (high limit)
Cross Section

50-Sn-114
-98.41 To 8677. %



60

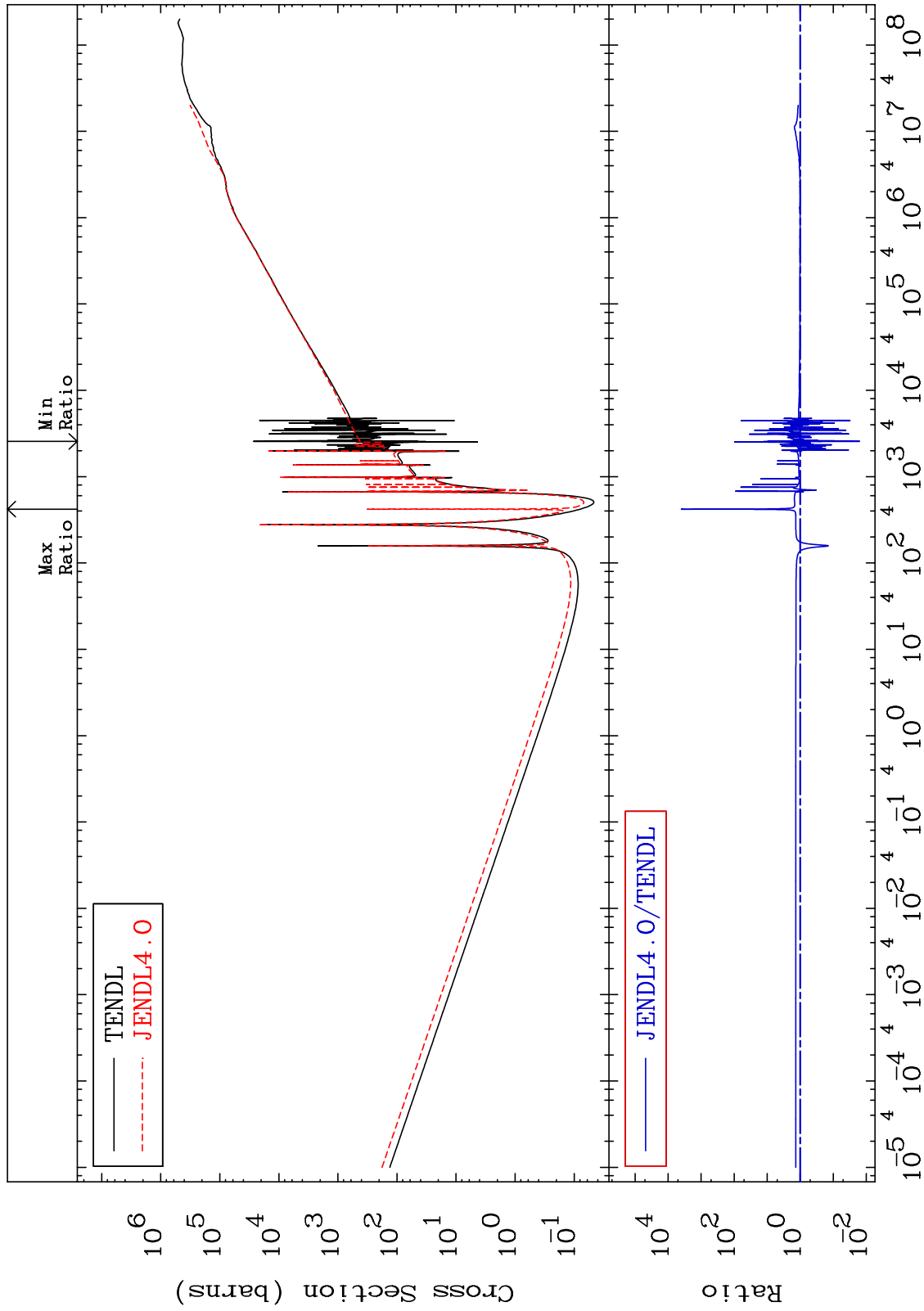
Incident Energy (eV)

50-Sn-114

MAT 5031

Dpa total (eV-barns)
Cross Section

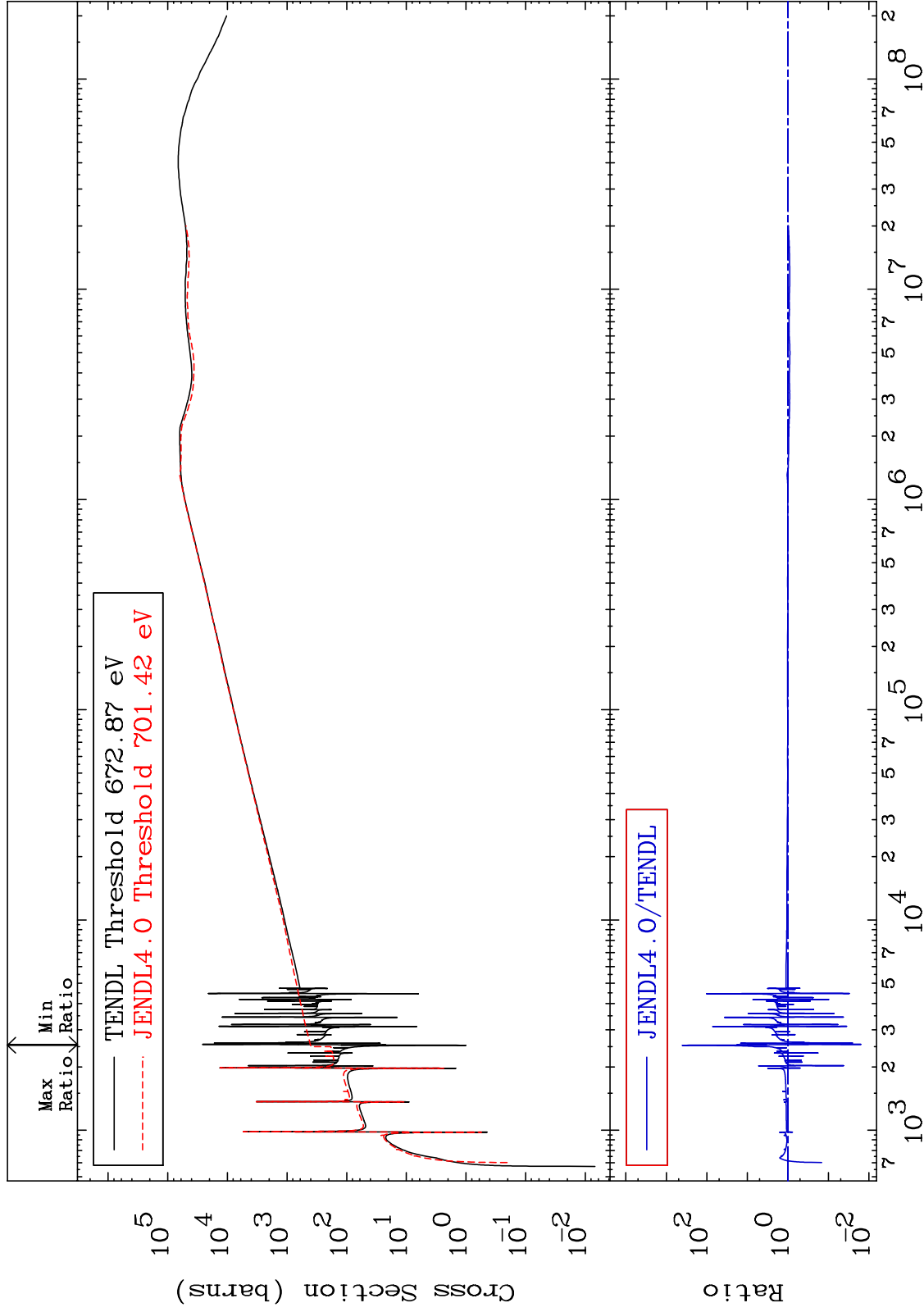
50-Sn-114
-98.43 To 9999. %



MAT 5031

Dpa elastic (mt2)
Cross Section

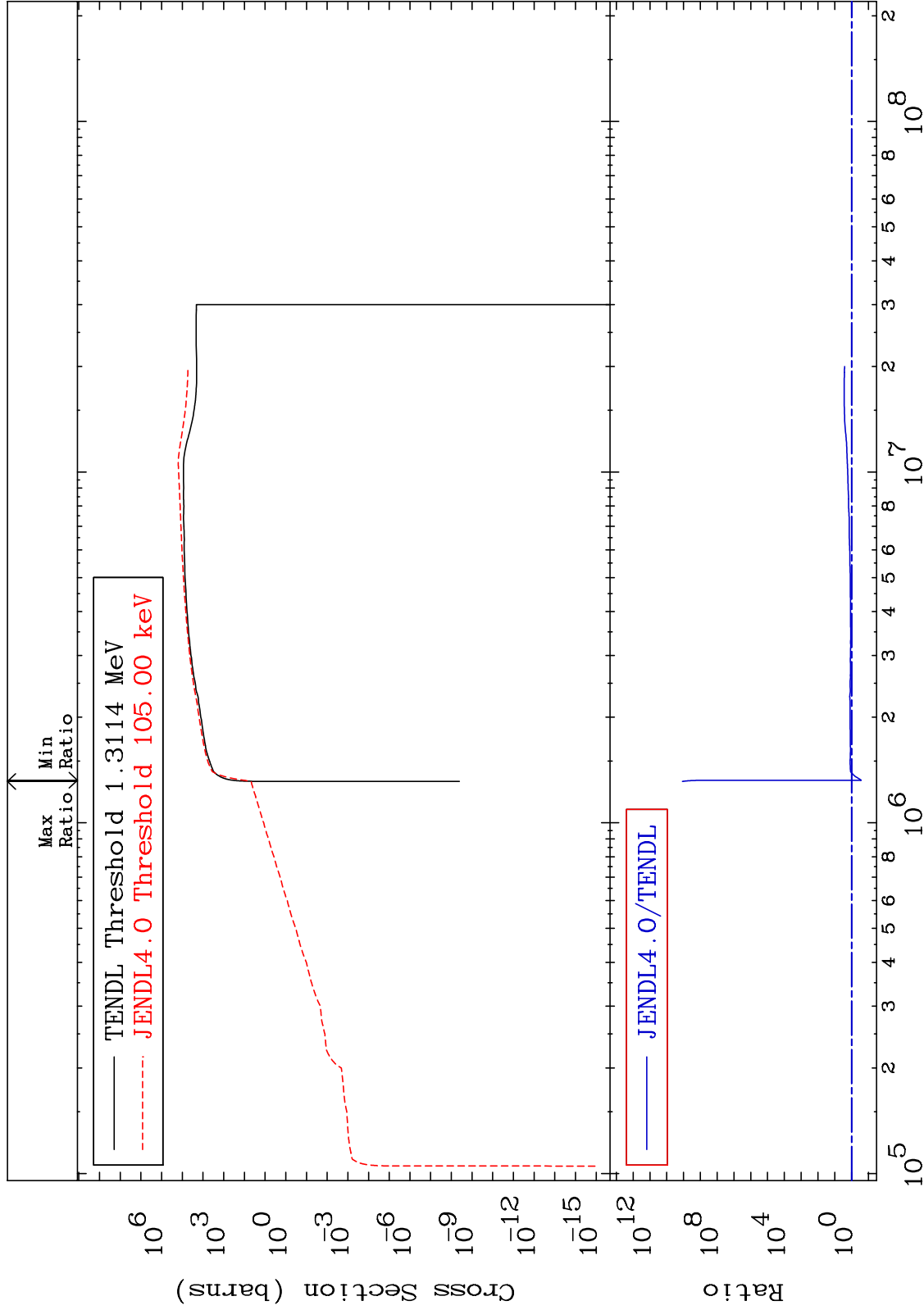
50-Sn-114
-98.45 To 9999. %



MAT 5031

Dpa inelastic (mt51-91)
Cross Section

50-Sn-114
-73.62 To 9999. %



63

Incident Energy (eV)

50-Sn-114

MAT 5031

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-114
-100.0 To 9999. %

