

Program Complot
(Version 2018-1)

by

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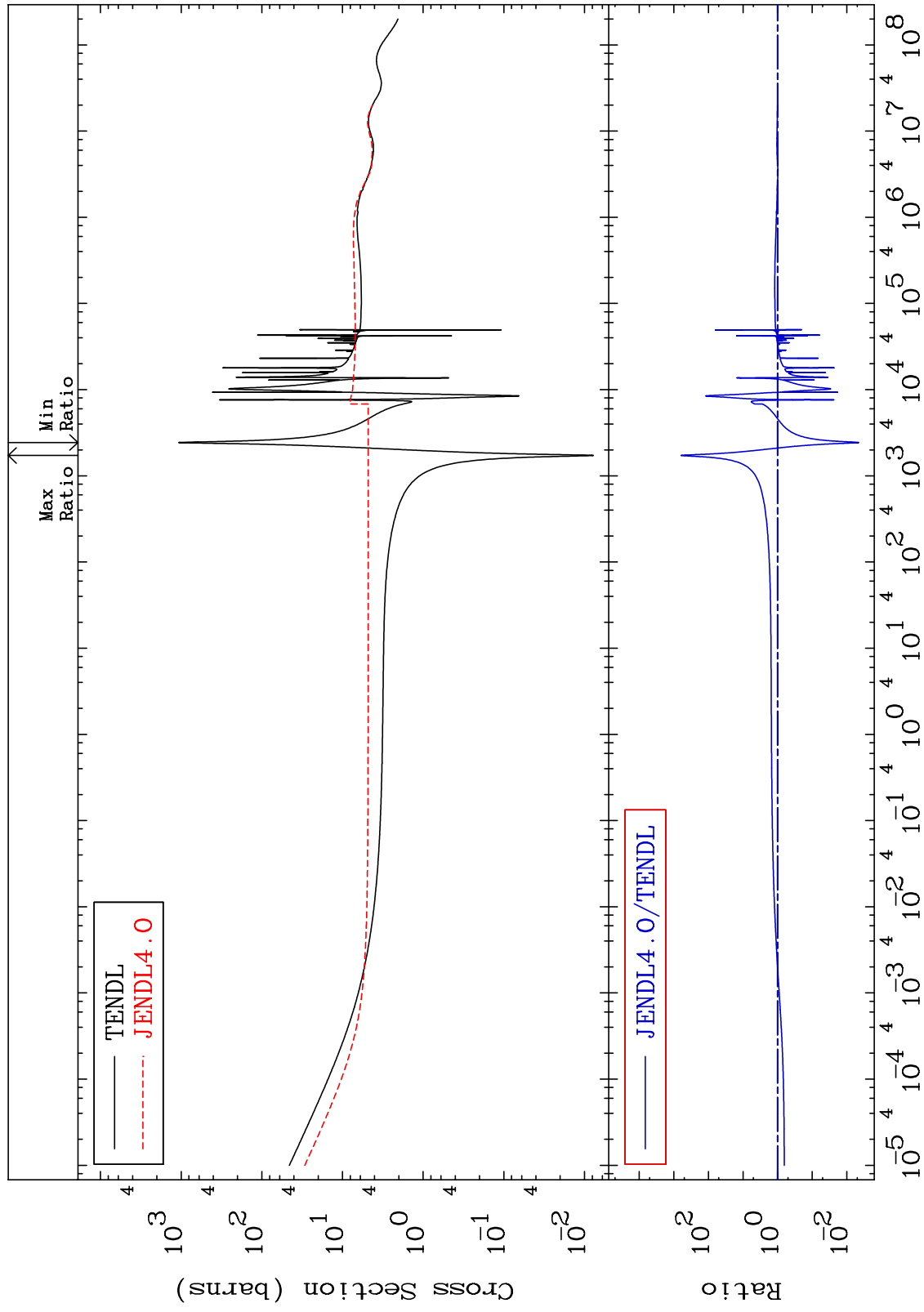
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5067

Total
Cross Section

50-Sn-126
-99.56 To 9999. %



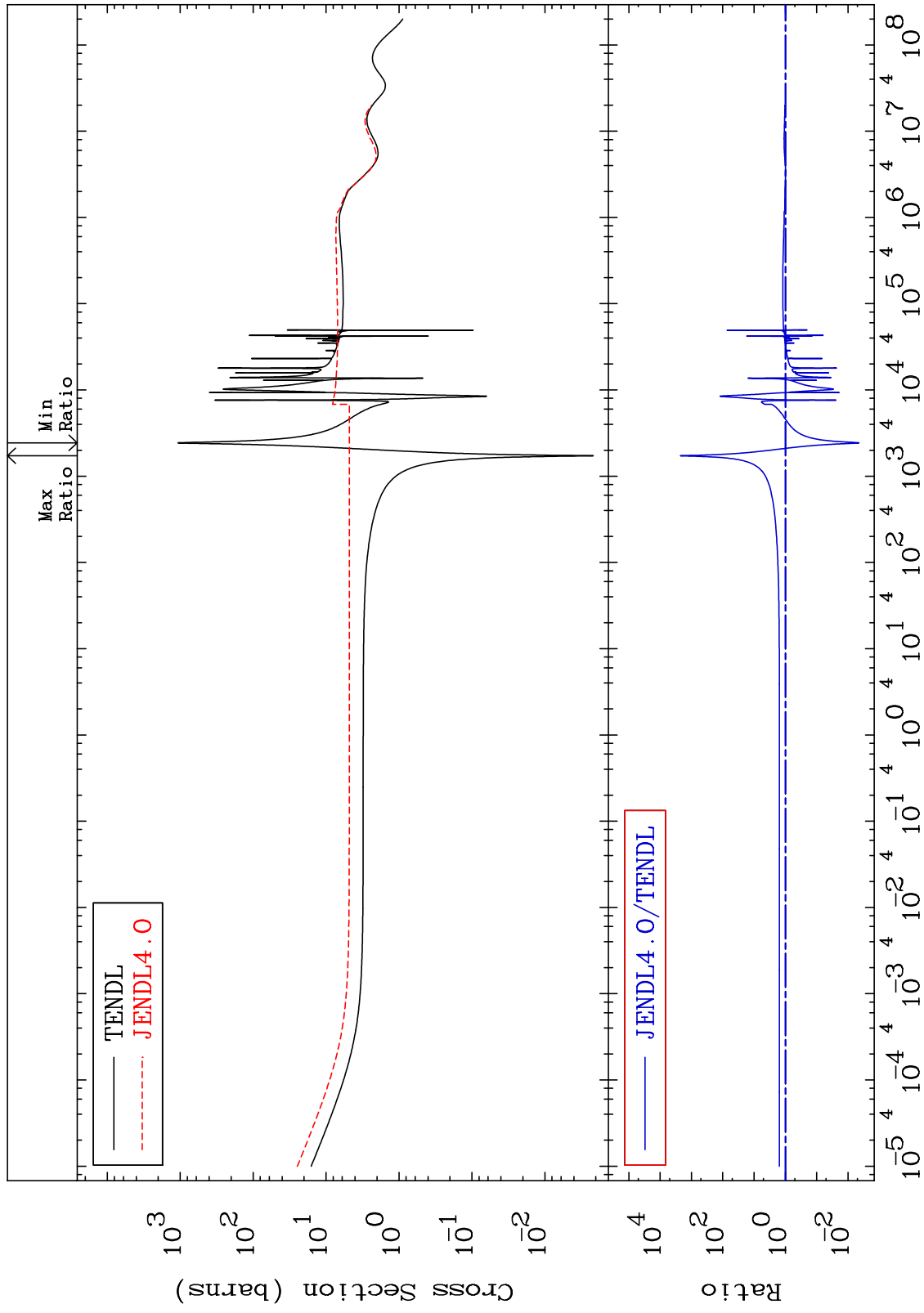
Incident Energy (eV)

50-Sn-126

MAT 5067

Elastic
Cross Section

50-Sn-126
-99.55 To 9999. %



2

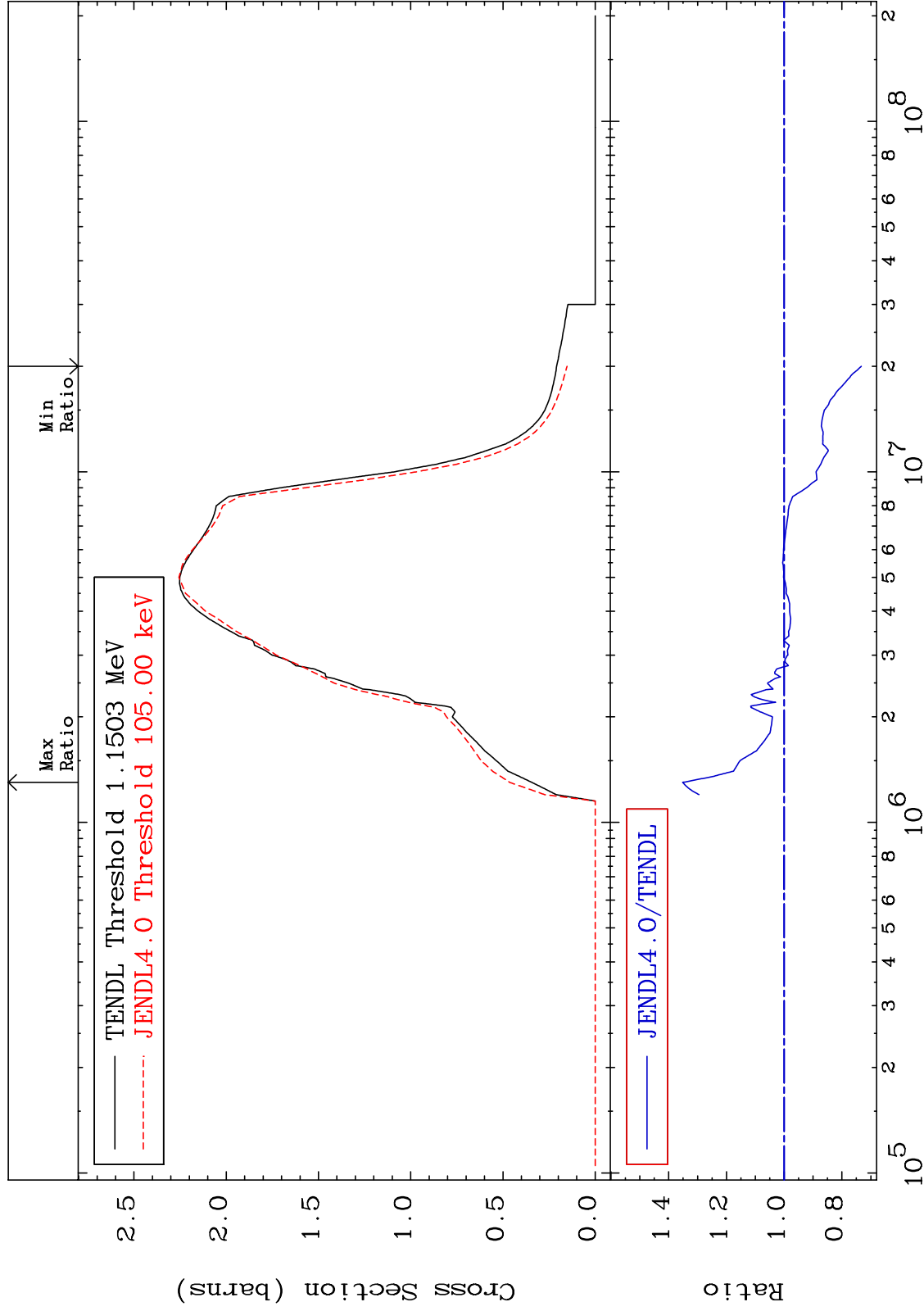
Incident Energy (eV)

50-Sn-126

MAT 5067

Inelastic
Cross Section

50-Sn-126
-26.72 To 35.16 %

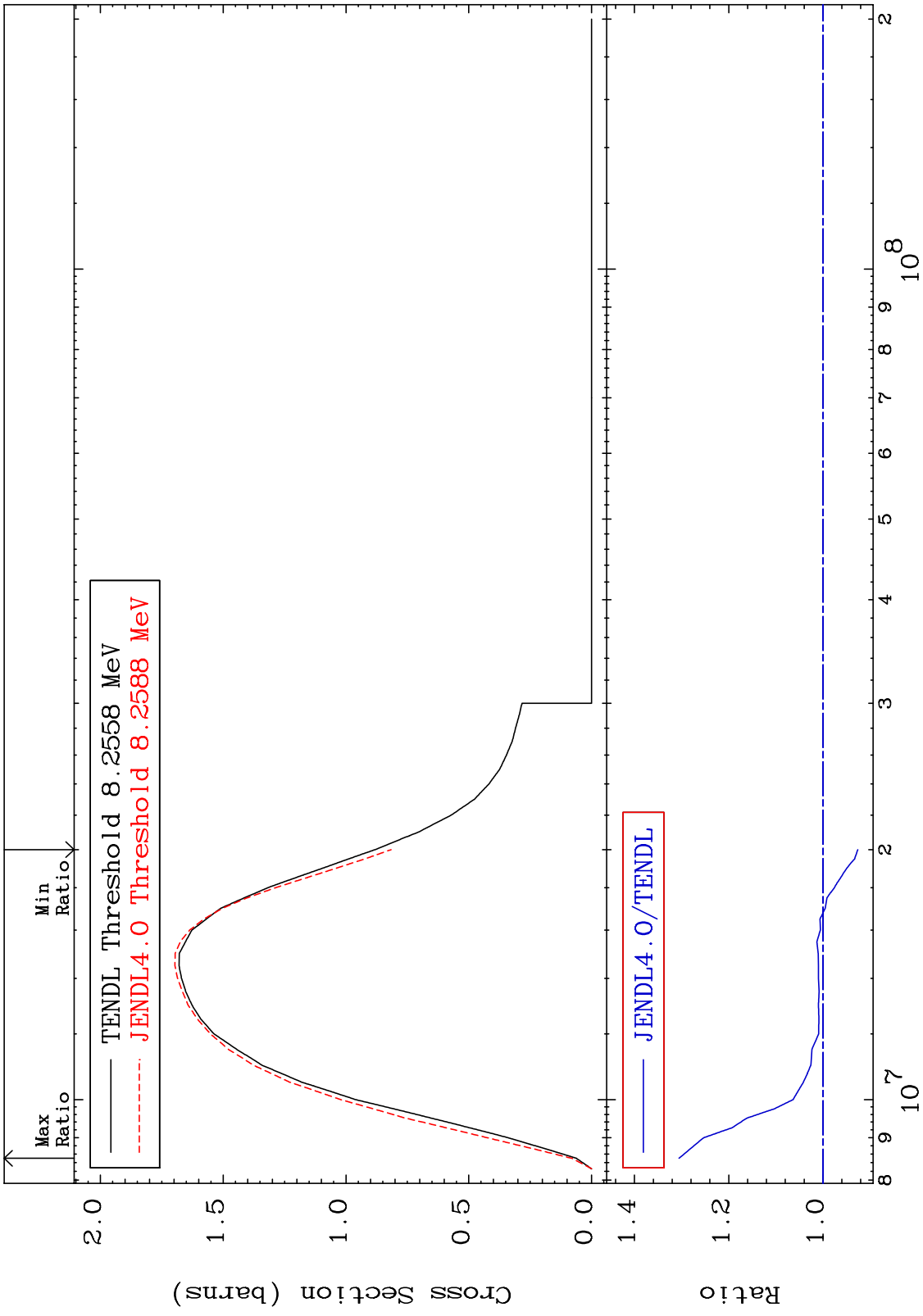


Incident Energy (eV)

50-Sn-126

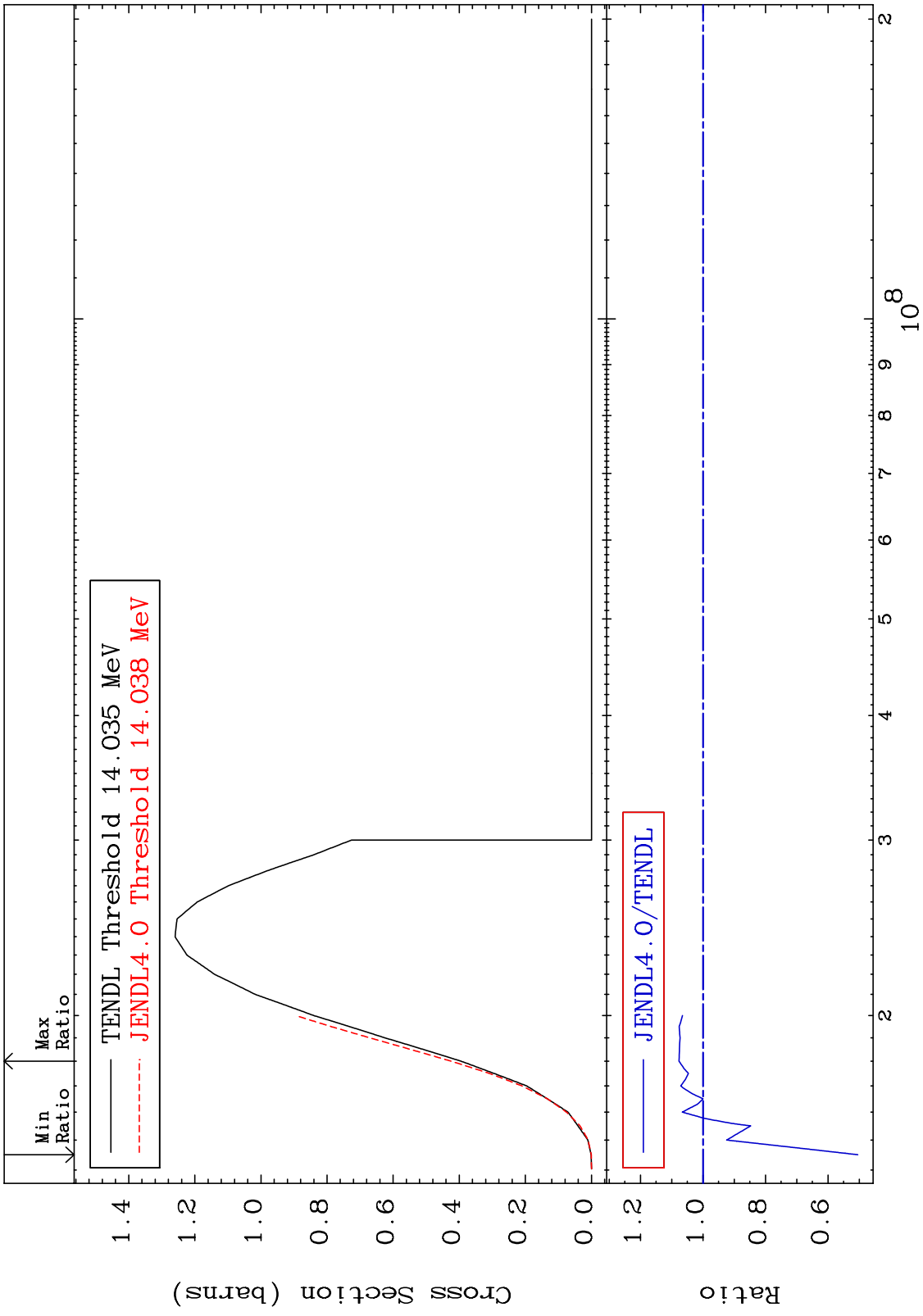
3

MAT 5067 (n,2n) Cross Section 50-Sn-126 -7.397 To 30.54 %

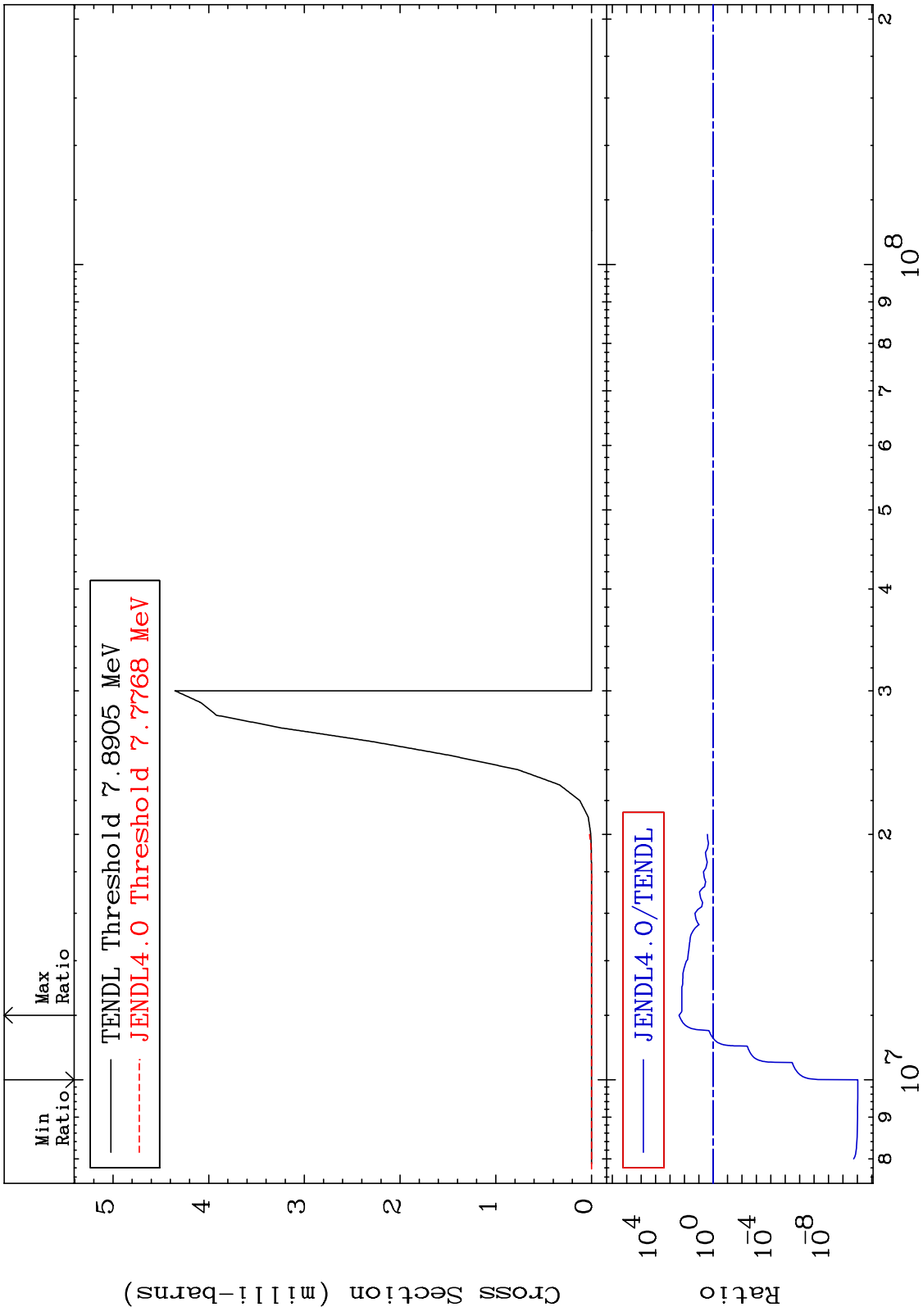


4 50-Sn-126

MAT 5067 (n,3n) 50-Sn-126
 Cross Section -49.53 To 7.646 %

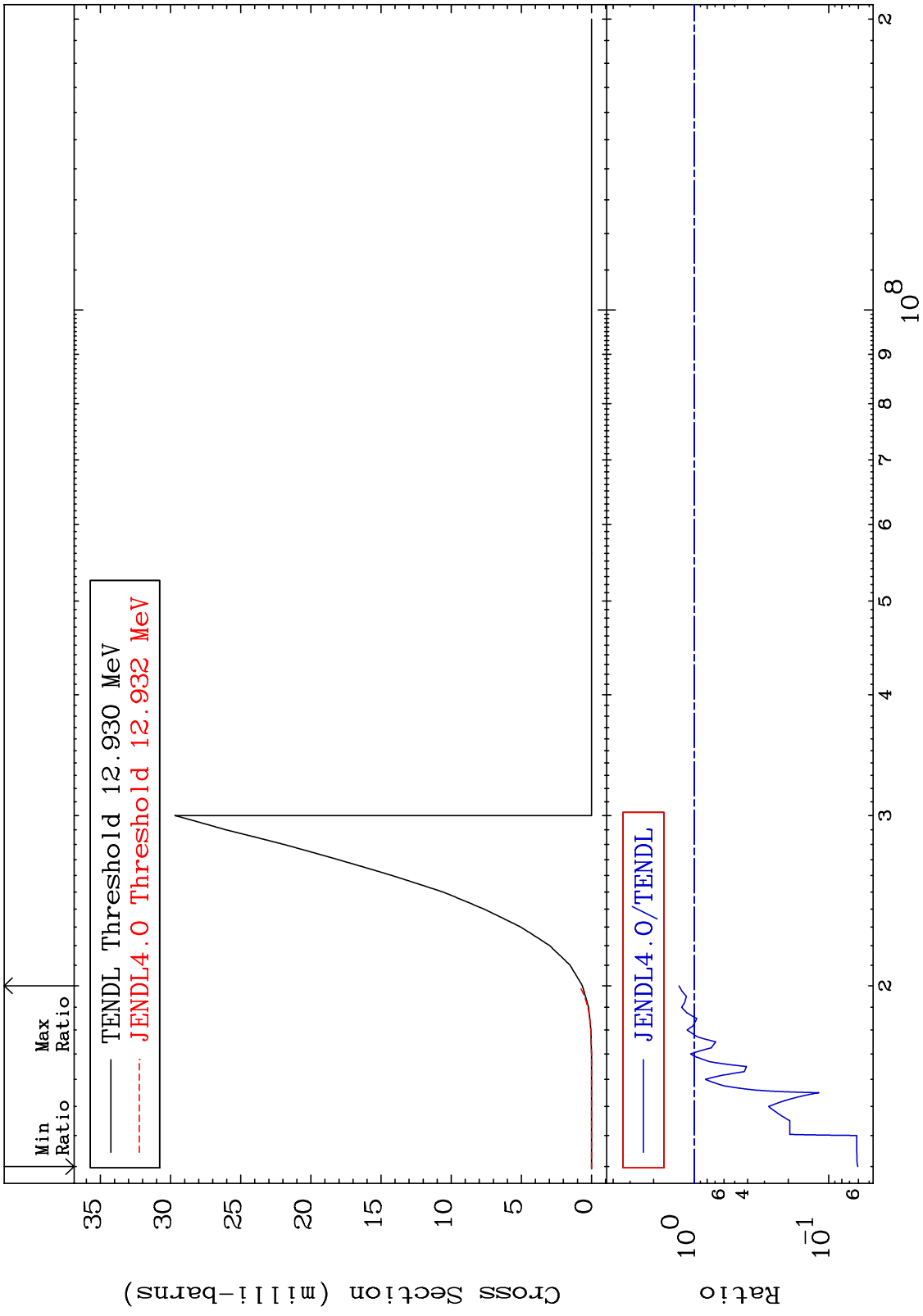


MAT 5067 $(n, n') \alpha$ 50-Sn-126
 Cross Section -100.0 To 9999. %

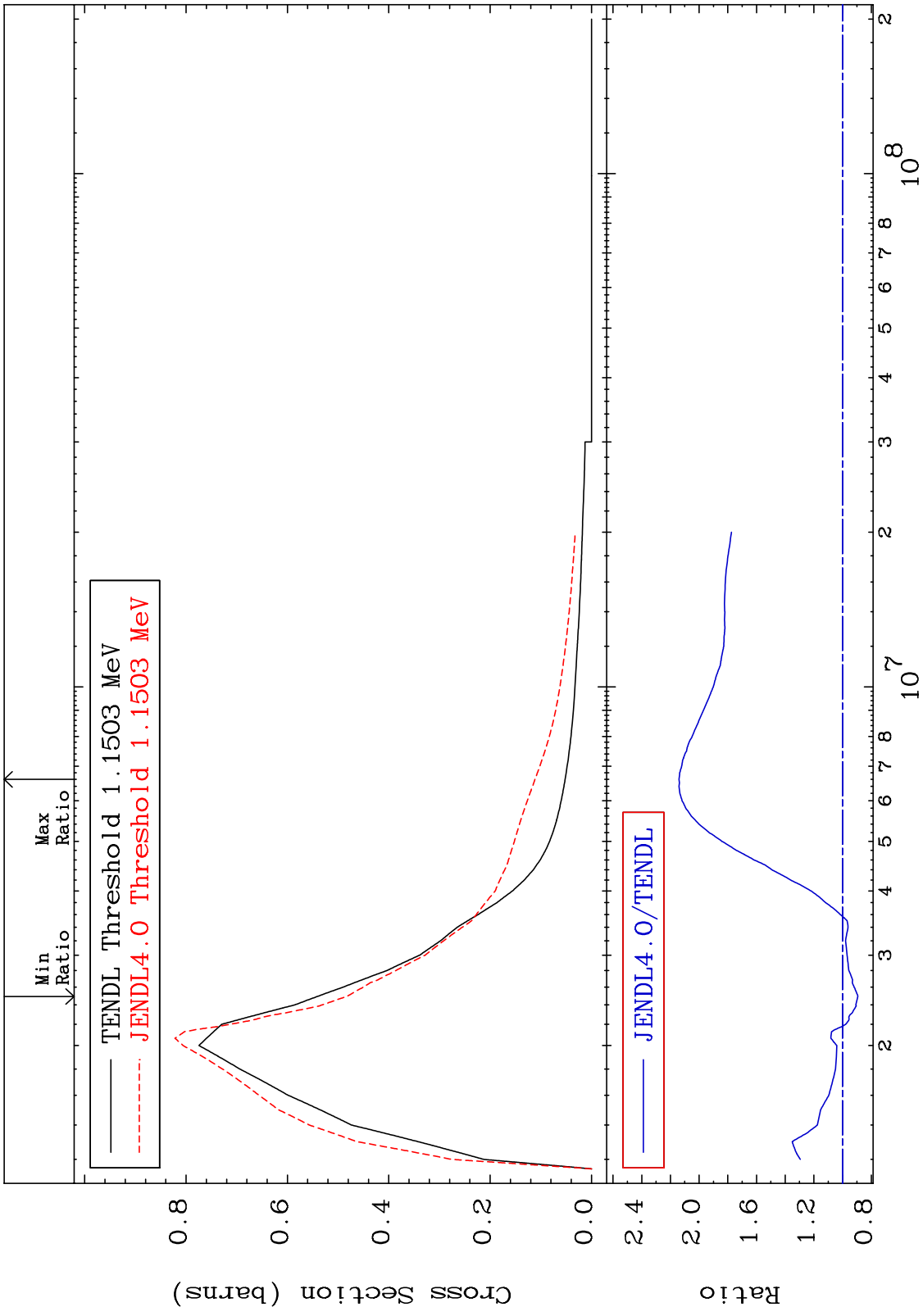


6 Incident Energy (eV) 50-Sn-126

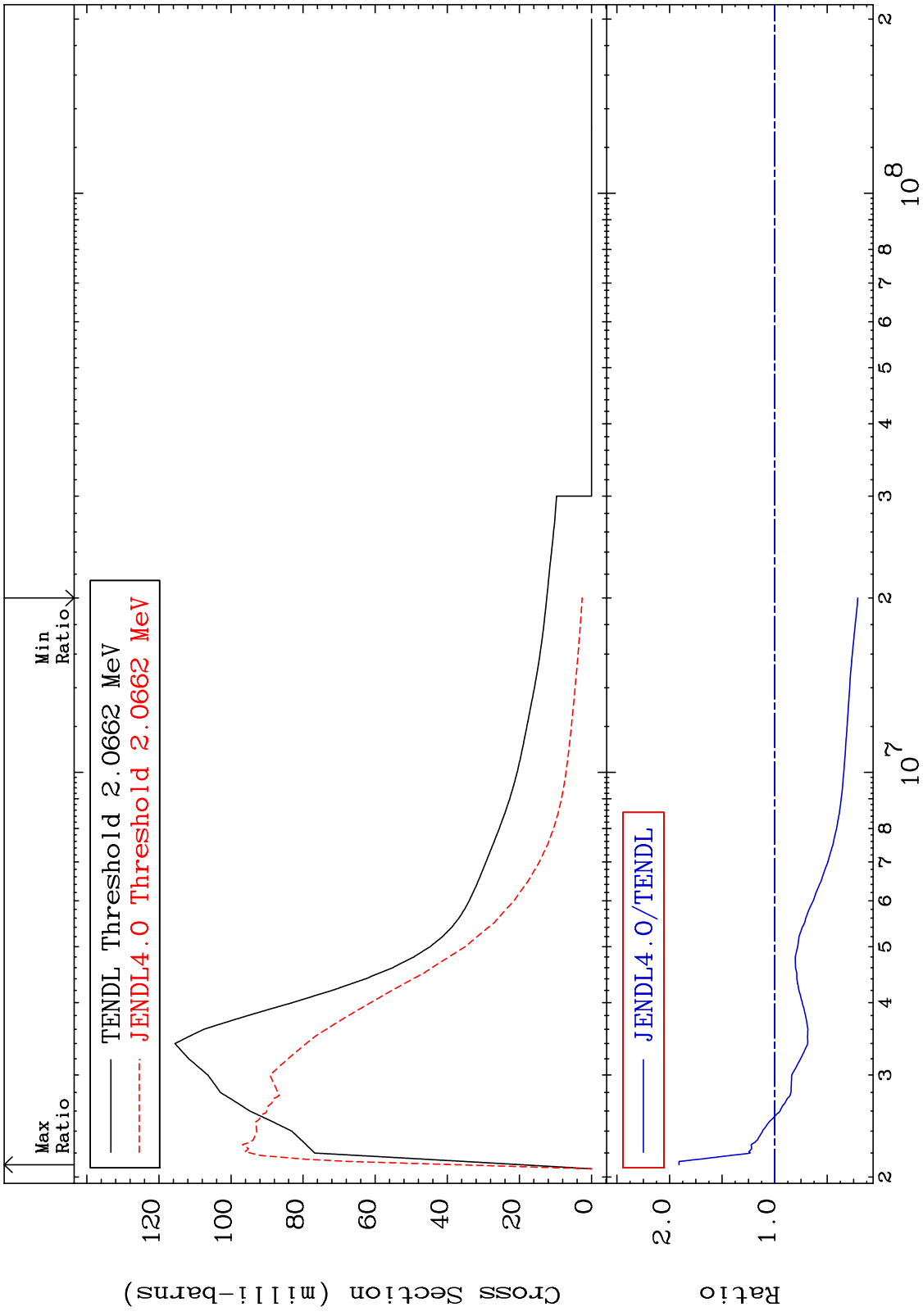
MAT 5067 (n,n') p 50-Sn-126
 Cross Section -93.93 To 29.58 %



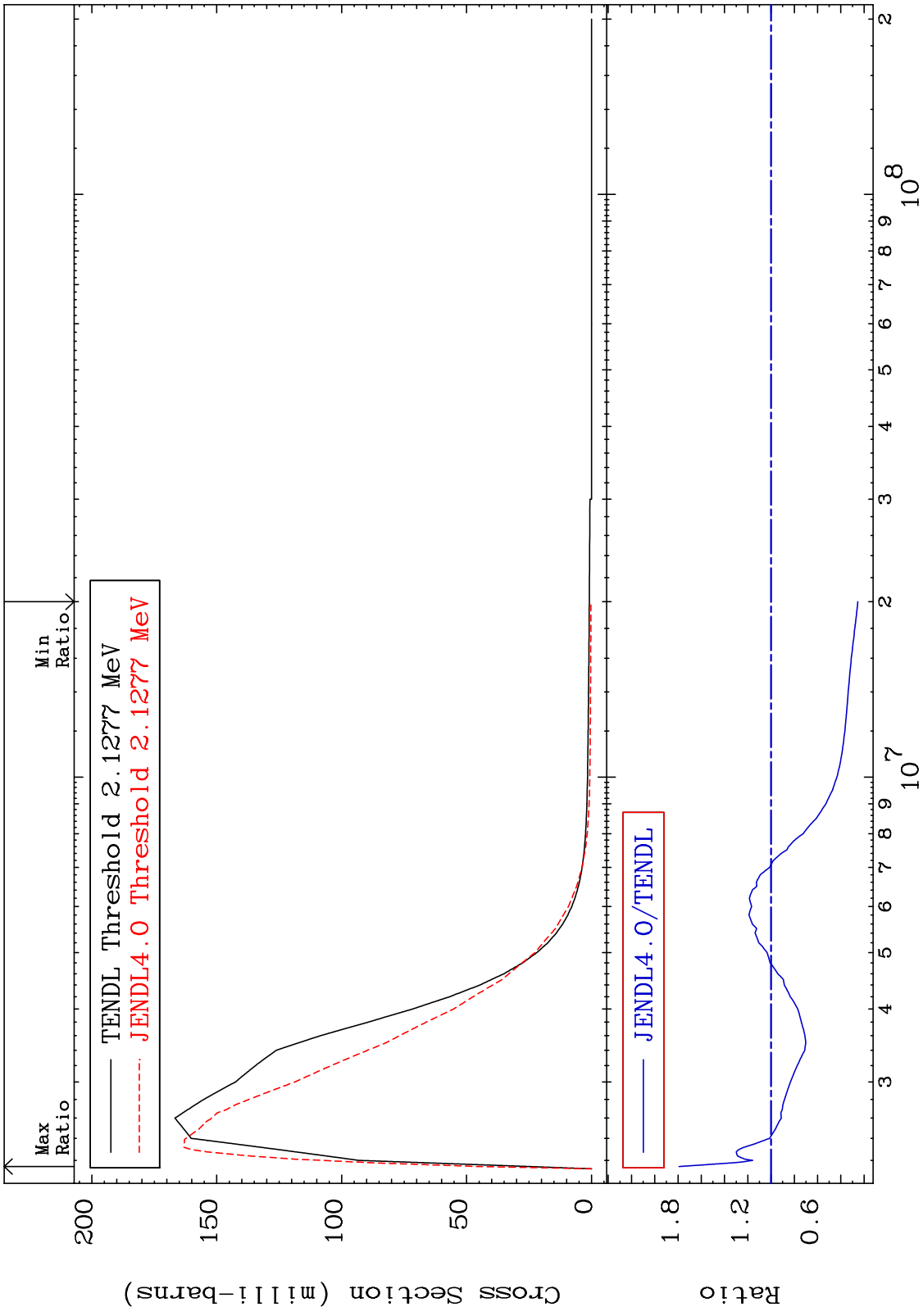
MAT 5067 MT= 51 (n,n') Level Cross Section 50-Sn-126
 -10.64 To 114.0 %



MAT 5067 MT= 52 (n,n') Level Cross Section 50-Sn-126 -79.09 To 90.96 %

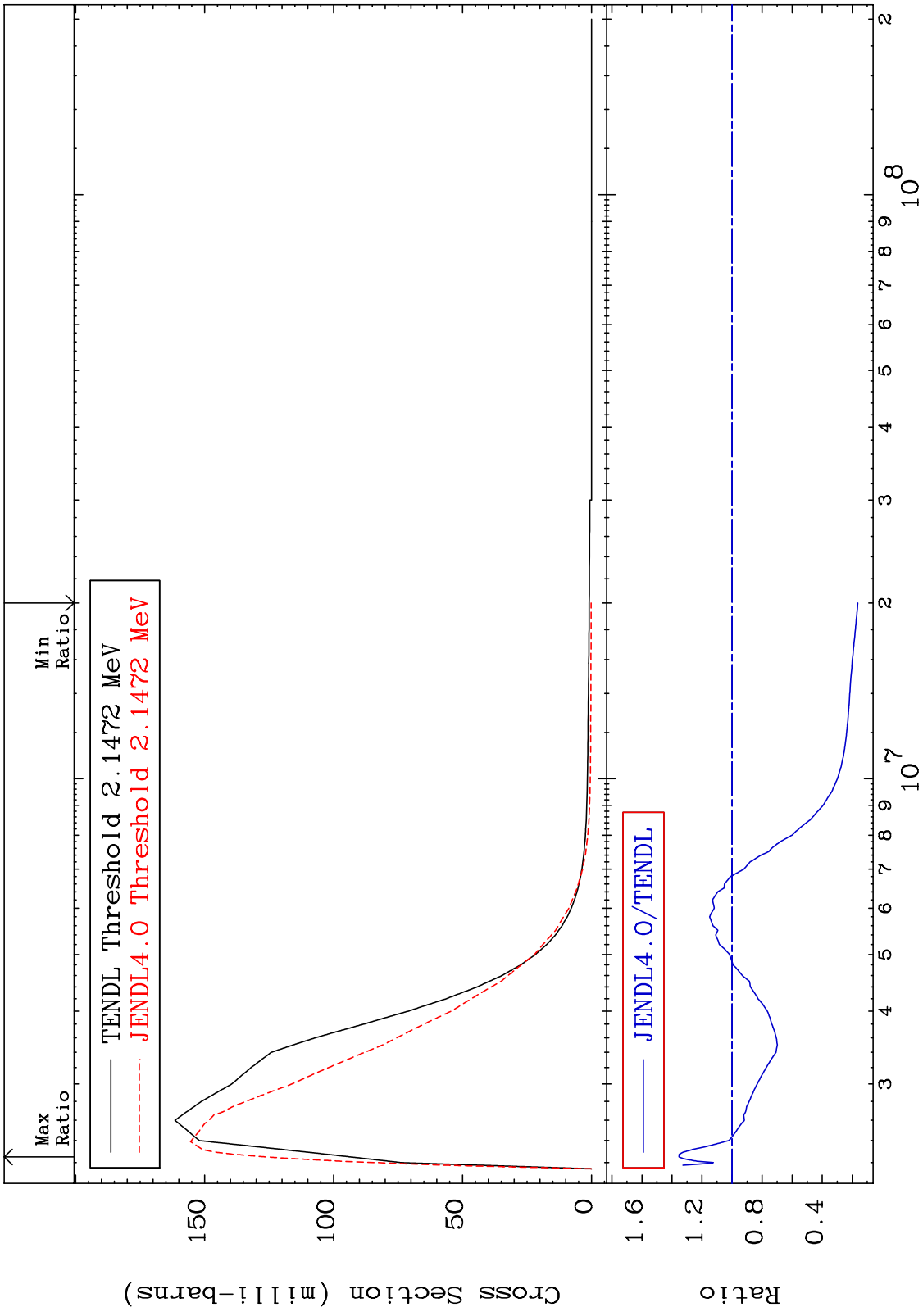


MAT 5067 MT= 53 (n,n') Level Cross Section 50-Sn-126
 -74.62 To 79.11 %

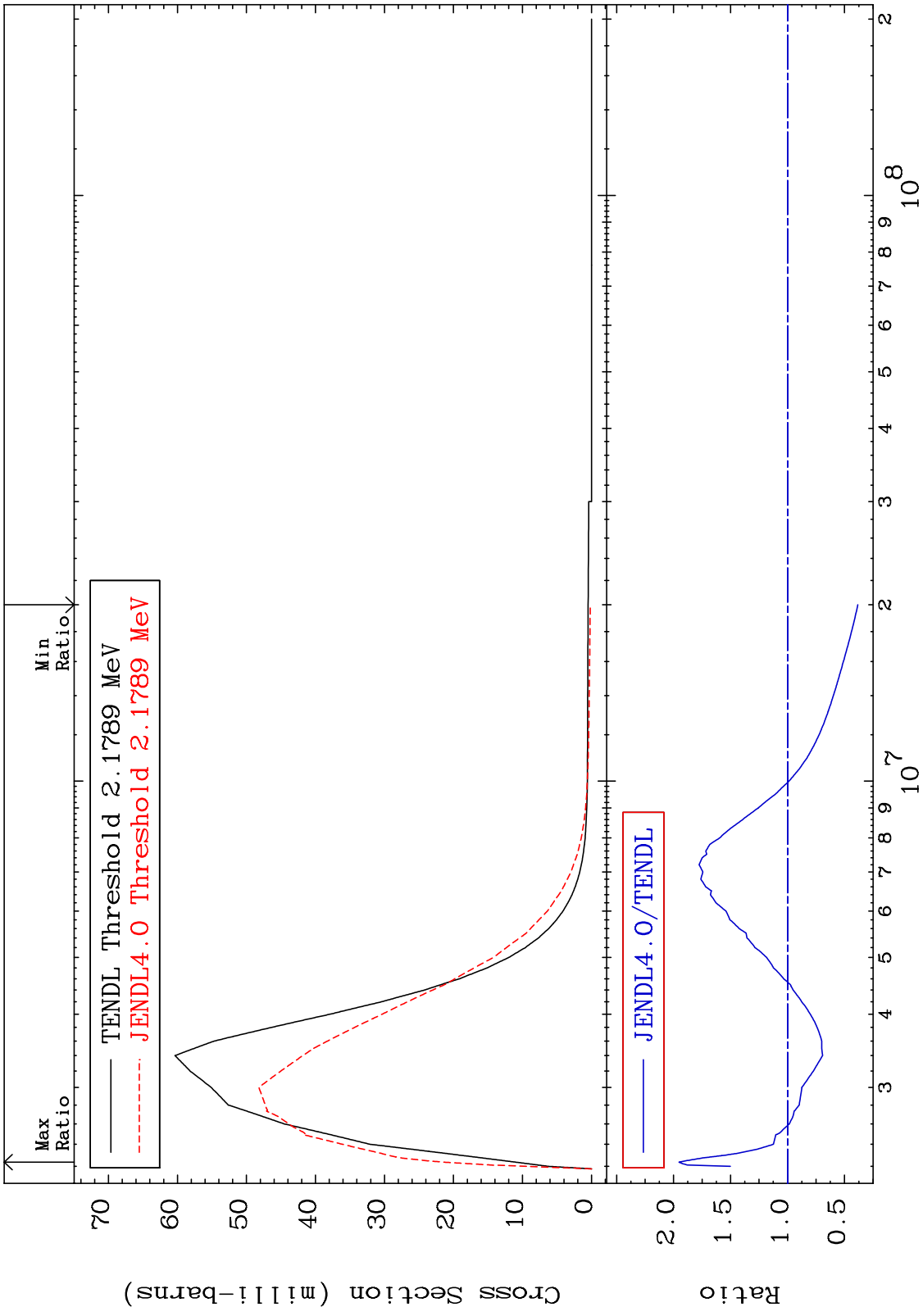


10 50-Sn-126 Incident Energy (eV)

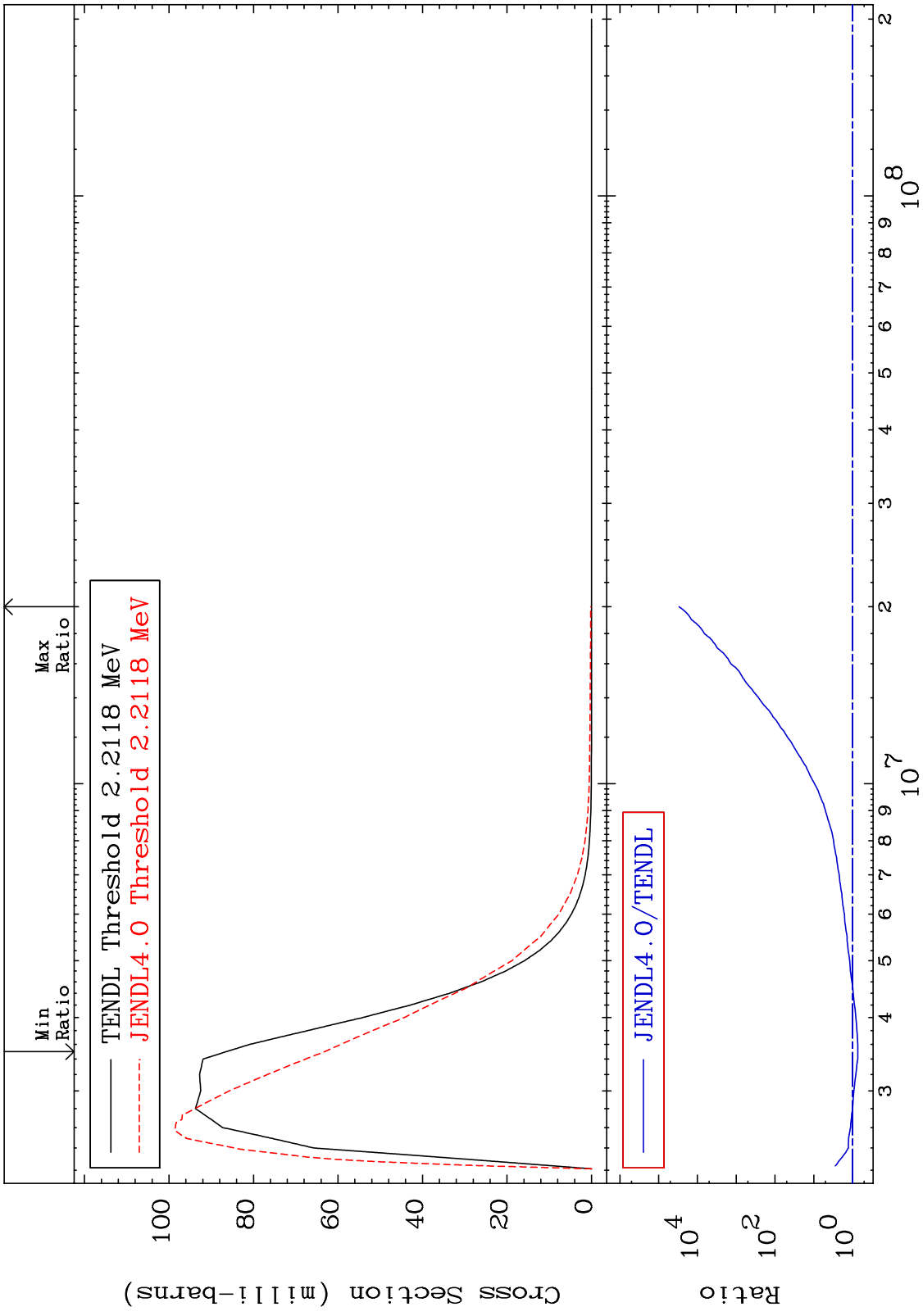
MAT 5067 MT= 54 (n,n') Level Cross Section 50-Sn-126 -83.71 To 35.30 %



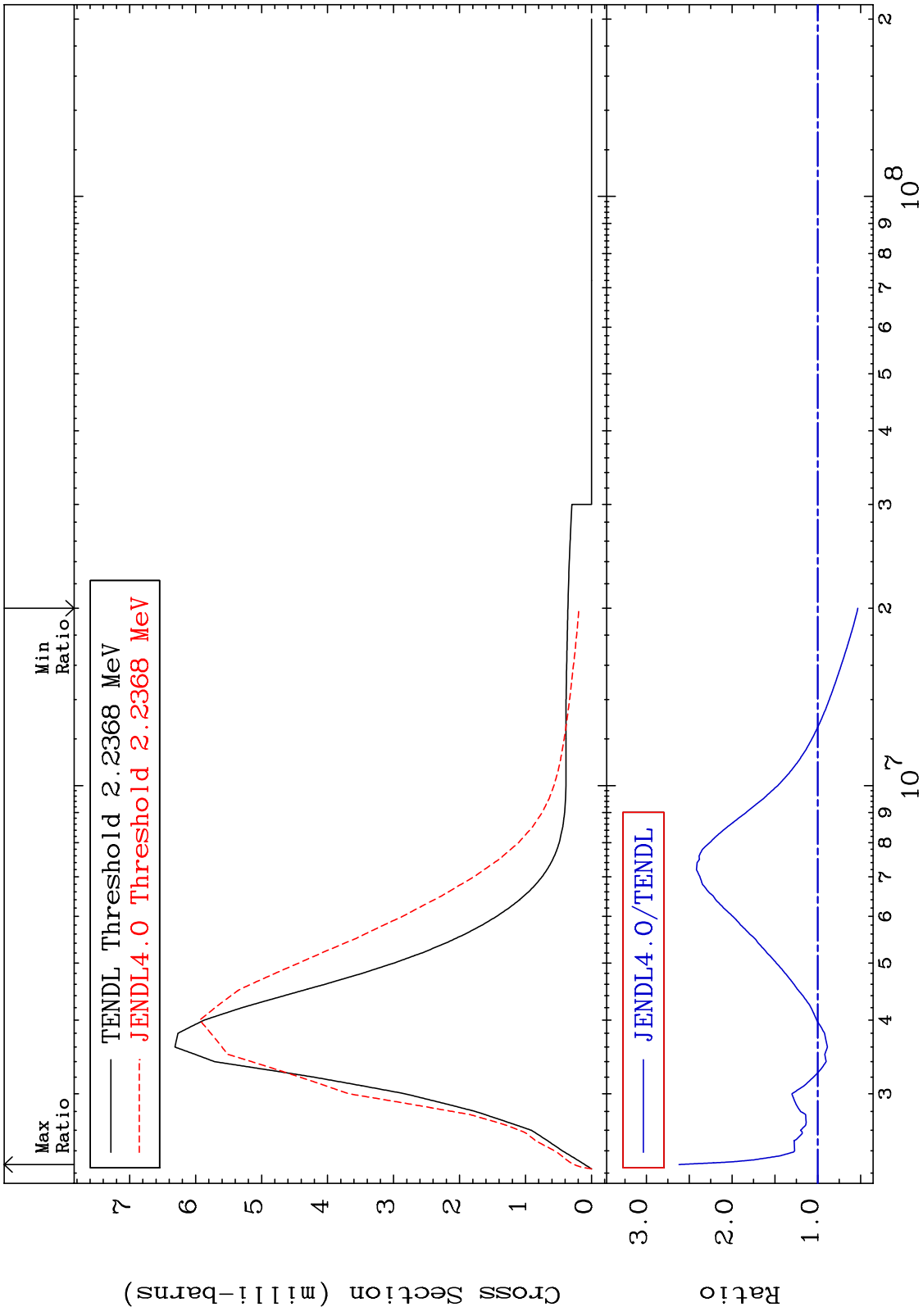
MAT 5067 MT= 55 (n,n') Level Cross Section 50-Sn-126
 -61.67 To 95.20 %



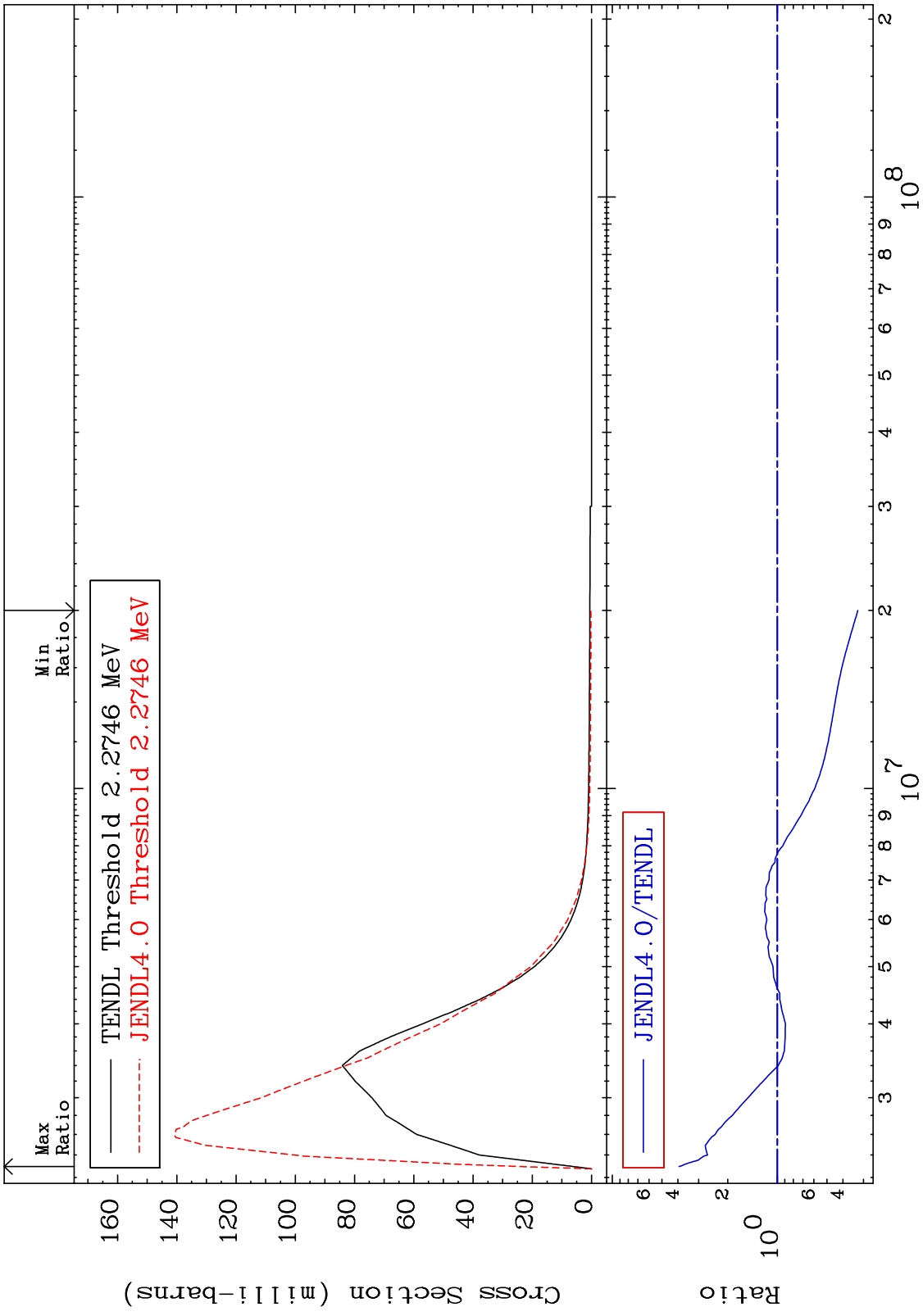
MAT 5067 MT= 56 (n,n') Level Cross Section 50-Sn-126
 -26.93 To 9999. %



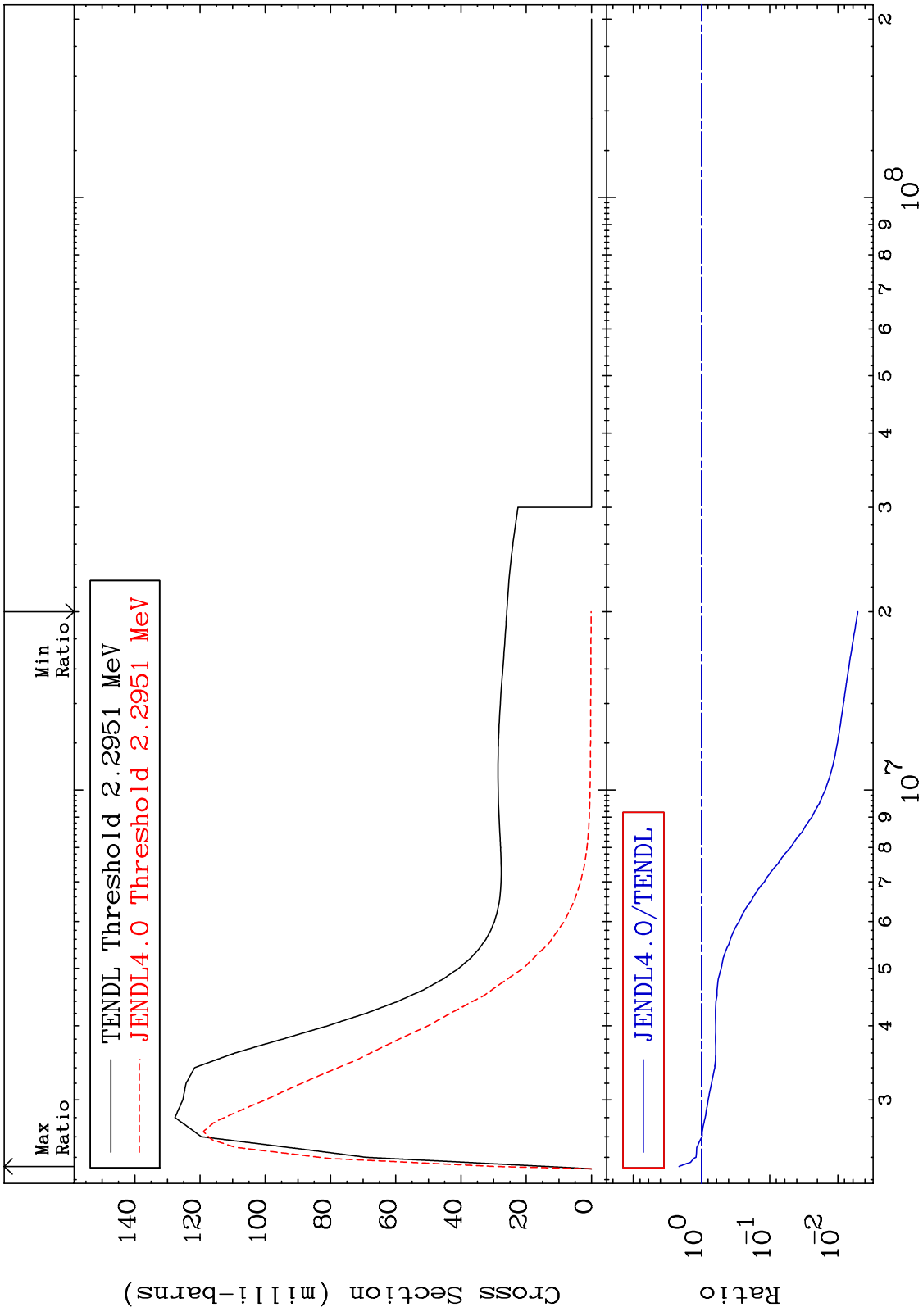
MAT 5067 MT= 57 (n,n') Level Cross Section 50-Sn-126 -46.87 To 161.8 %



MAT 5067 MT= 58 (n,n') Level Cross Section 50-Sn-126 -67.51 To 294.1 %



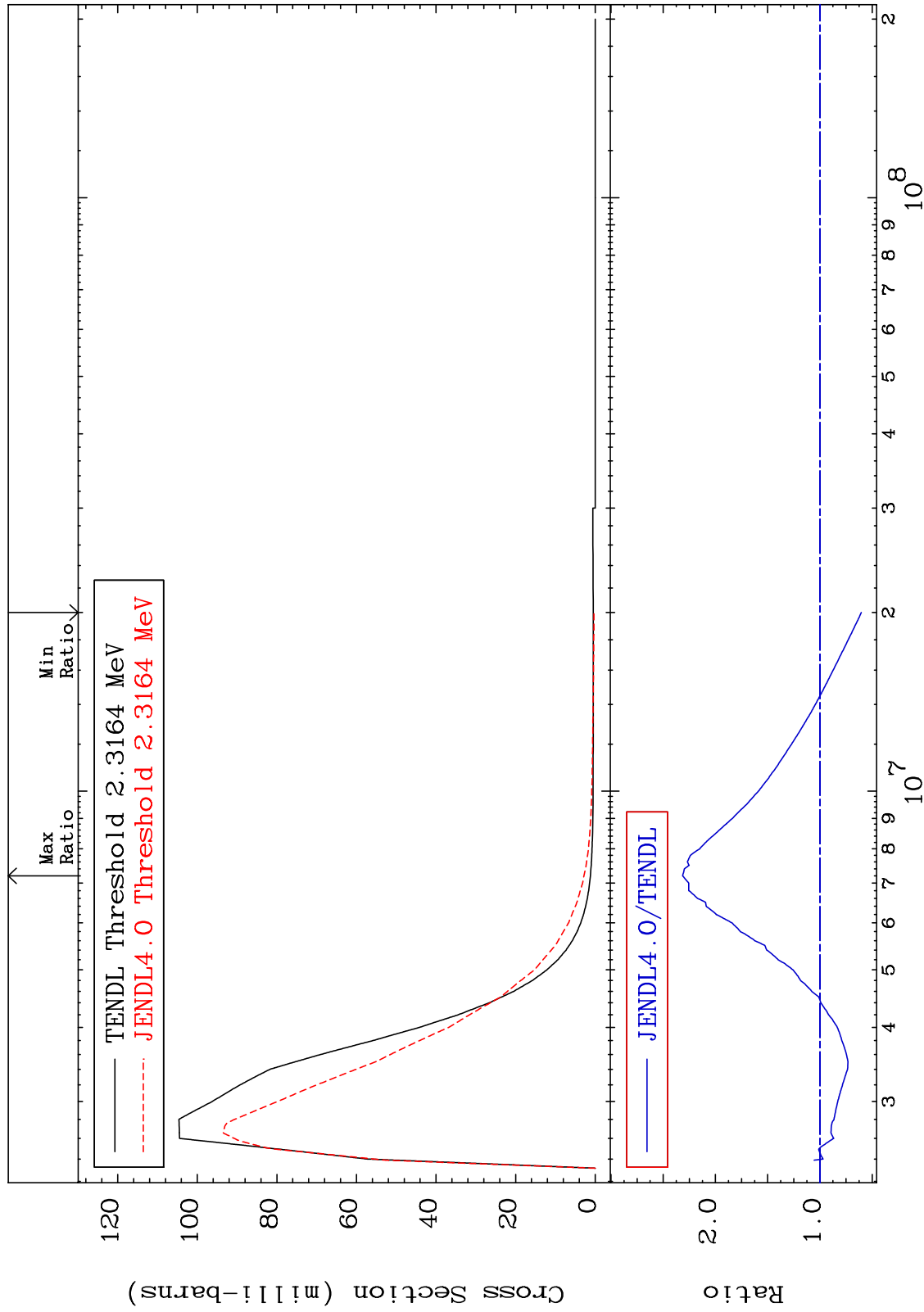
MAT 5067 MT= 59 (n,n') Level Cross Section 50-Sn-126 -99.49 To 113.7 %



MAT 5067

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

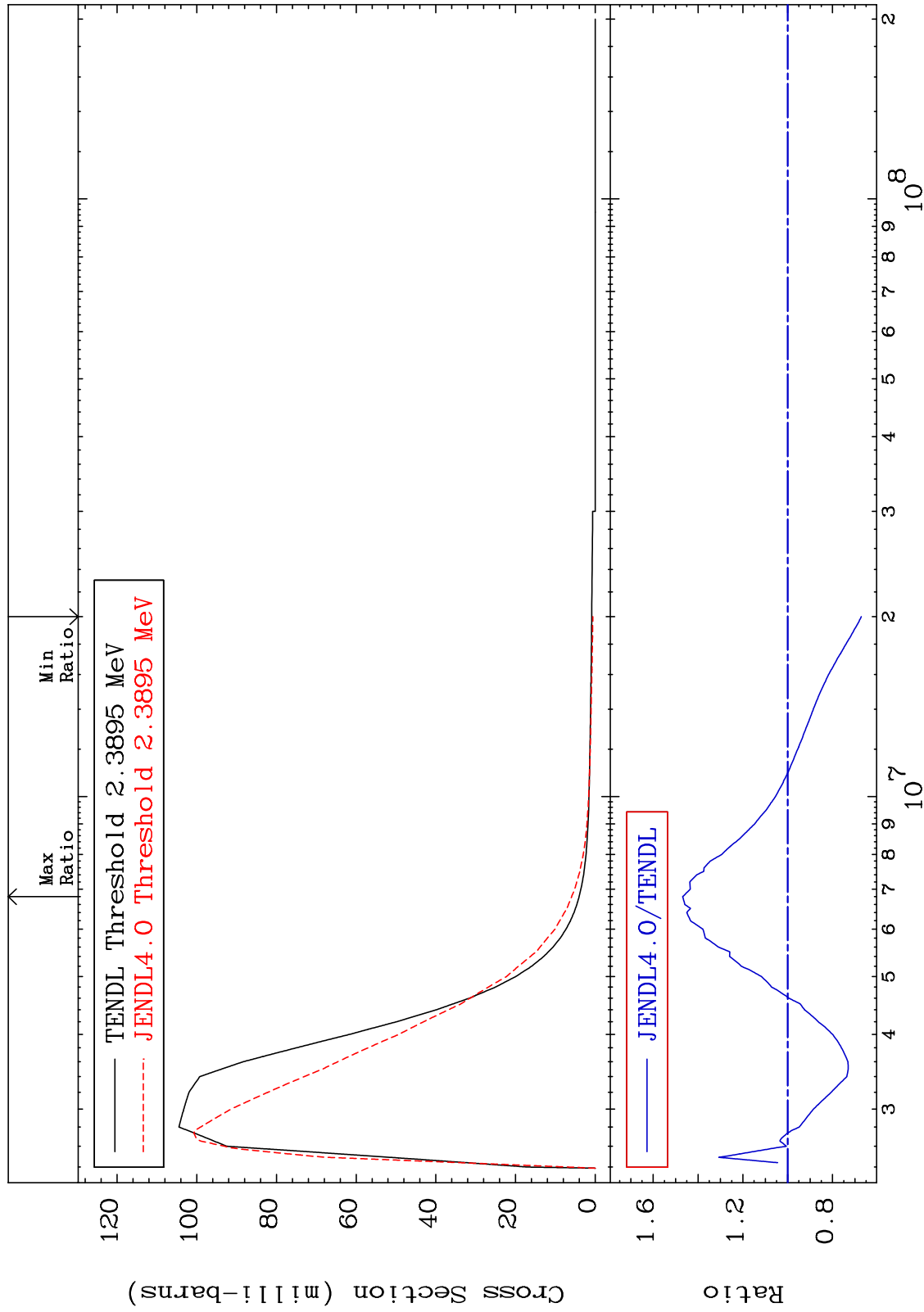
50-Sn-126
-39.64 To 131.4 %



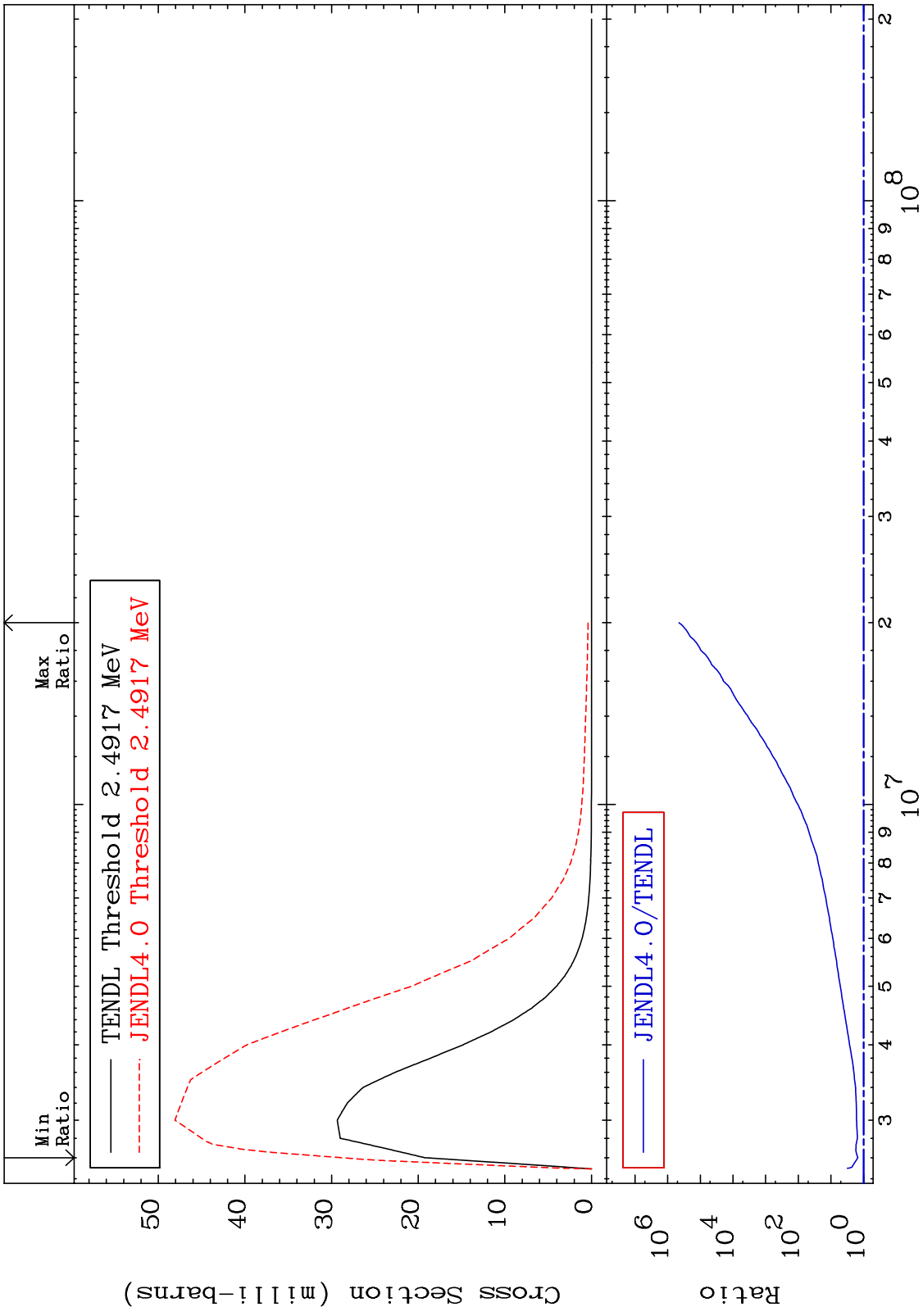
MAT 5067

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

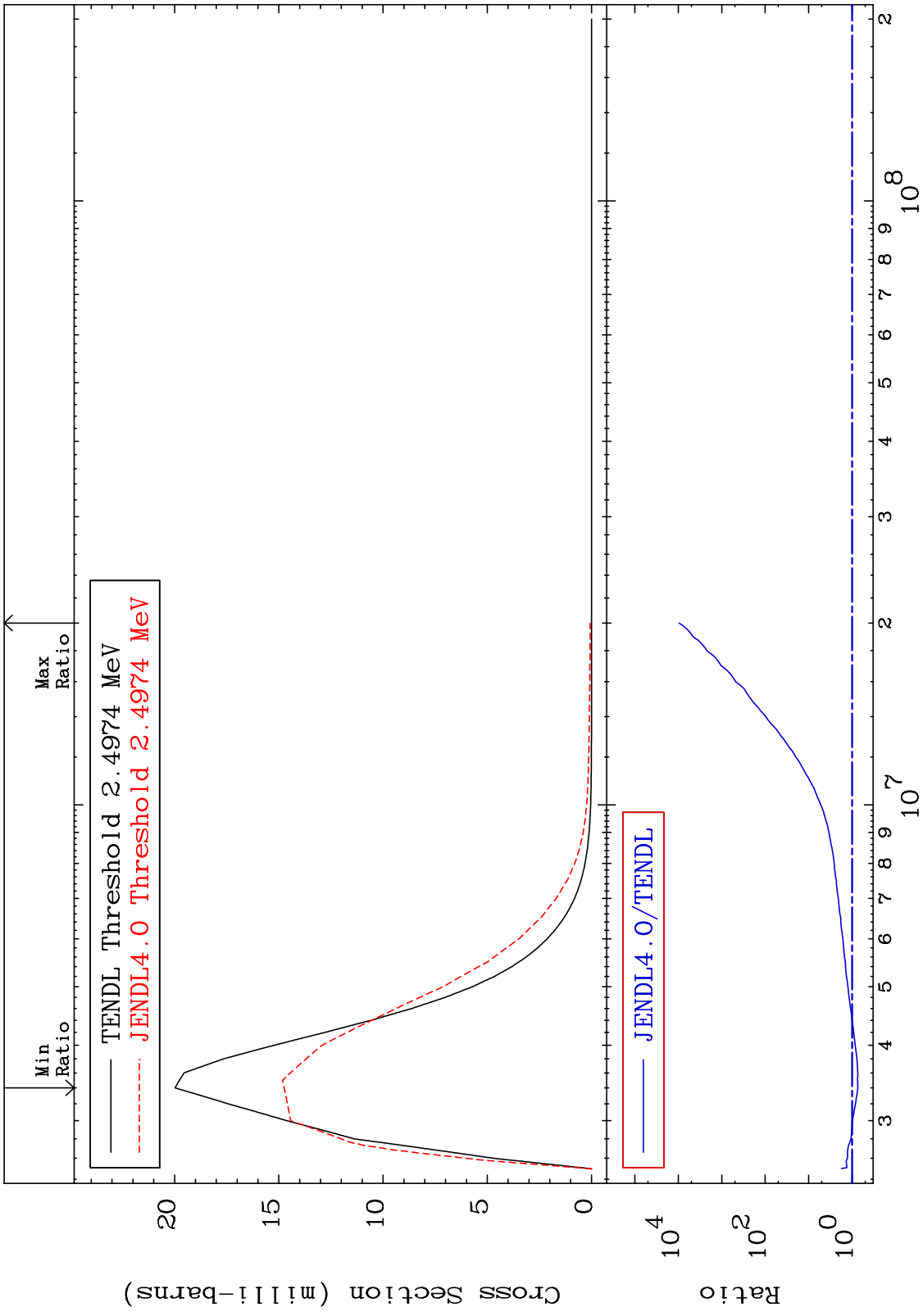
50-Sn-126
-32.85 To 46.86 %



MAT 5067 MT= 62 (n,n') Level Cross Section 50-Sn-126 To 9999. %

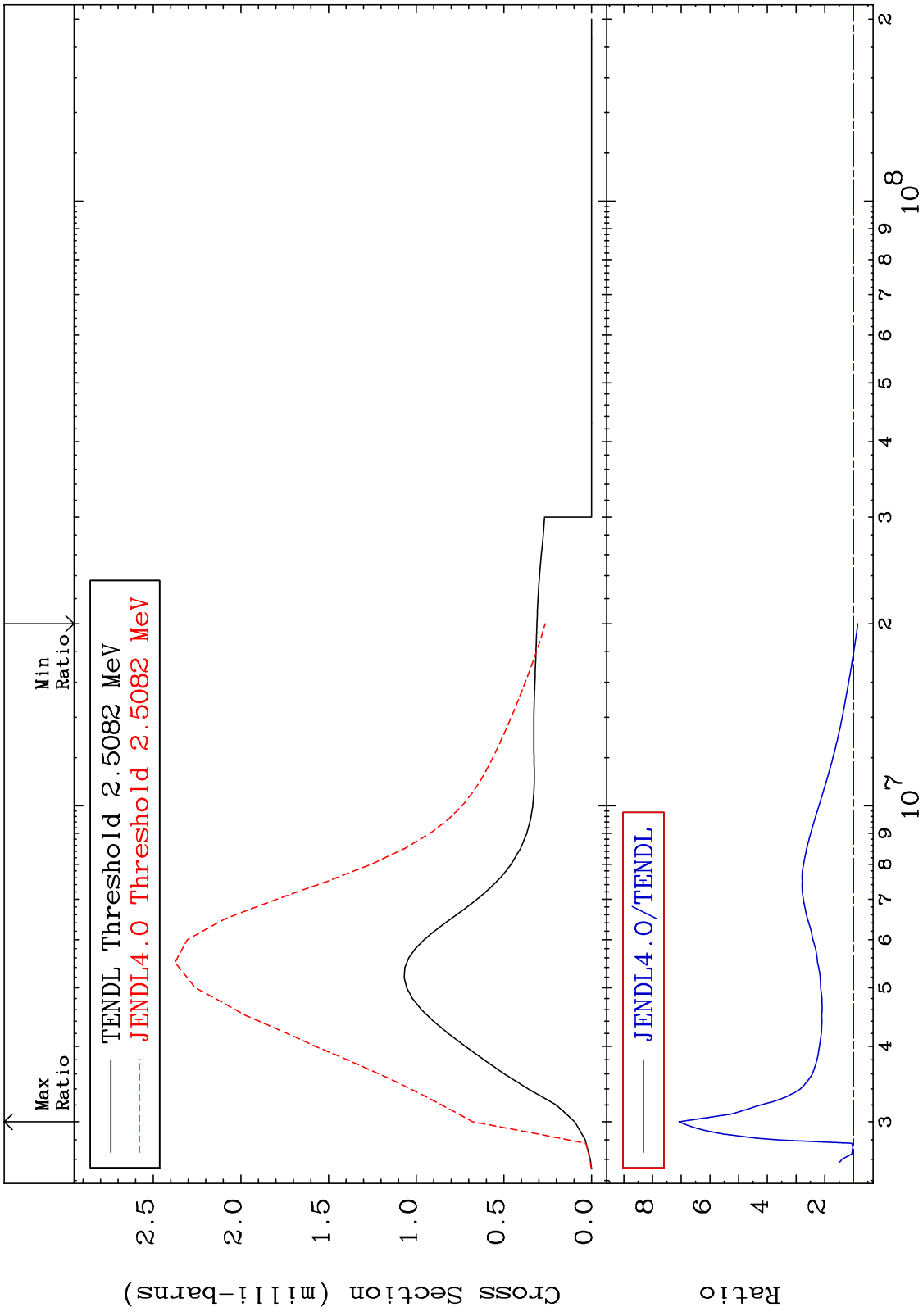


MAT 5067 MT= 63 (n,n') Level Cross Section 50-Sn-126 -26.21 To 9999. %

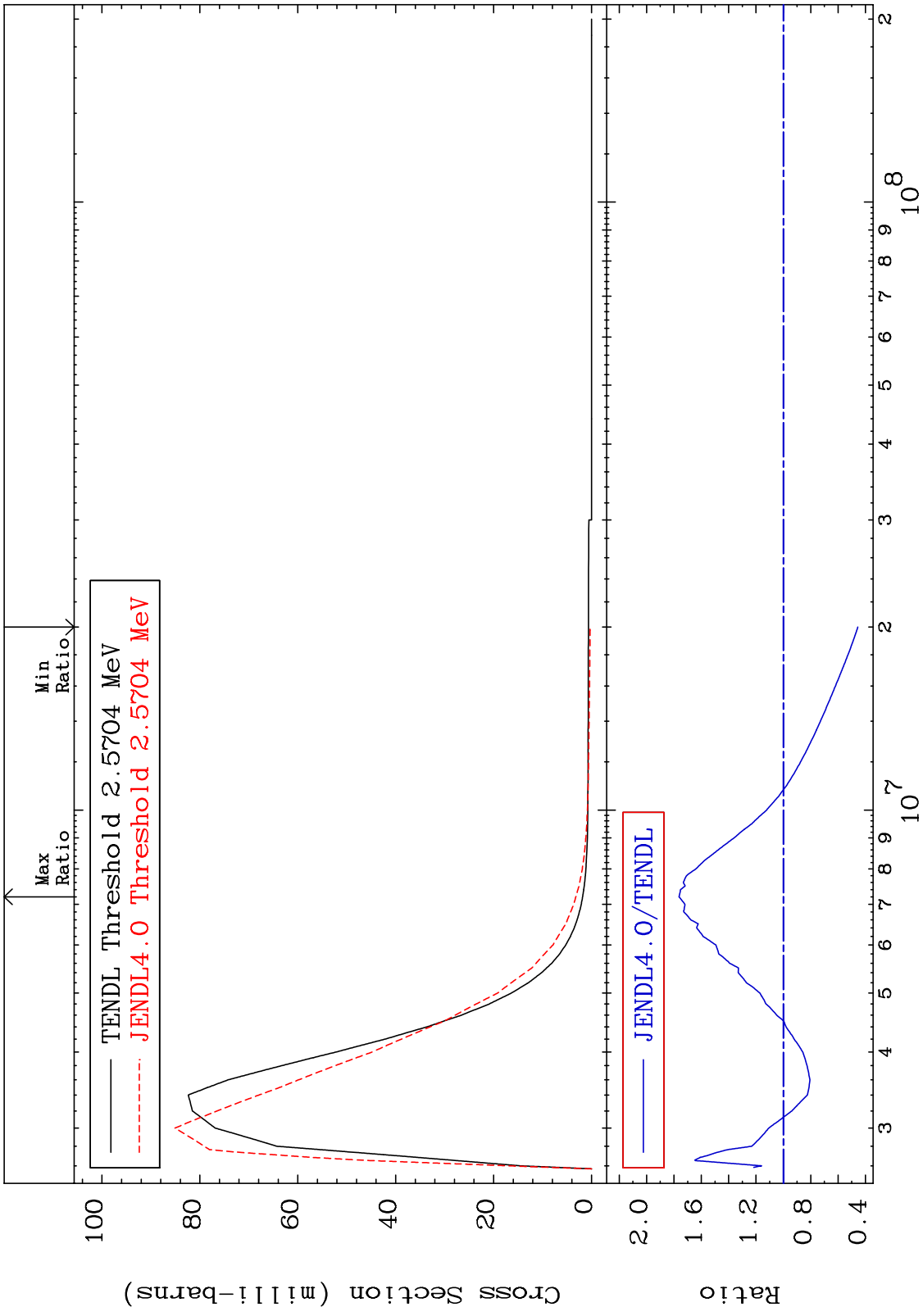


20 Incident Energy (eV) 50-Sn-126

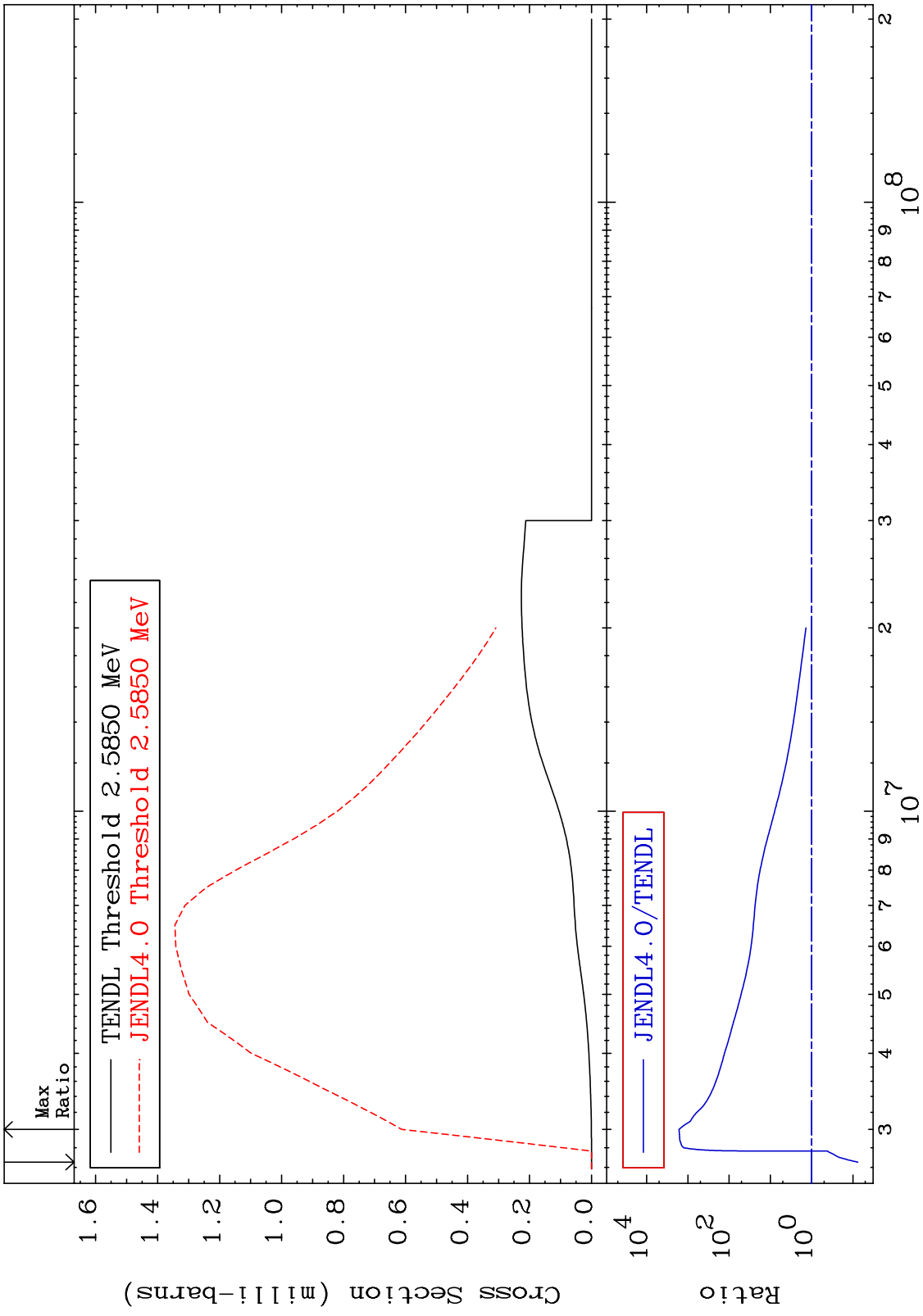
MAT 5067 MT= 64 (n,n') Level Cross Section 50-Sn-126
 -15.09 To 607.7 %



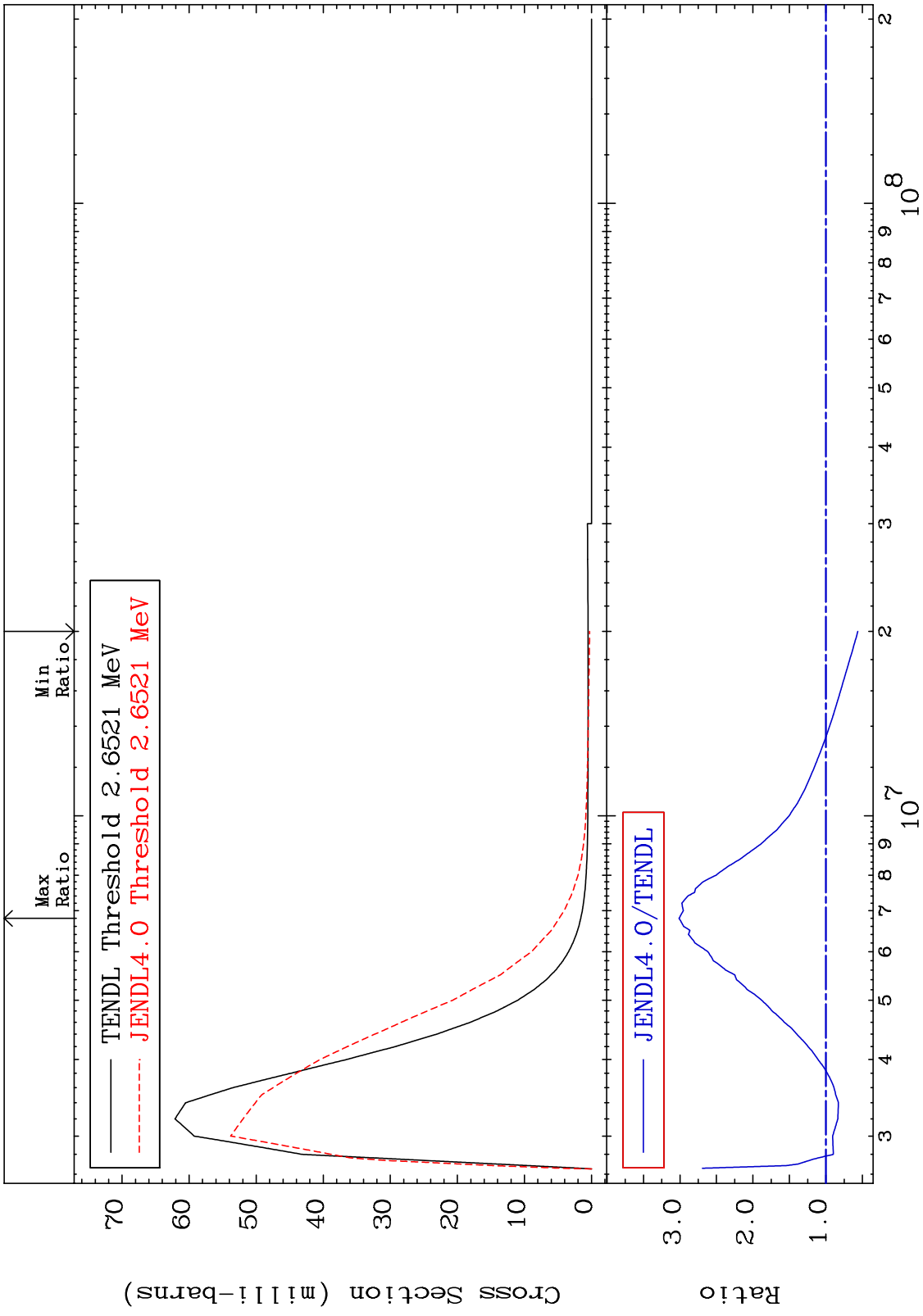
MAT 5067 MT= 65 (n,n') Level Cross Section 50-Sn-126
 -54.46 To 76.28 %



MAT 5067 MT= 66 (n,n') Level Cross Section 50-Sn-126 -92.42 To 9999. %

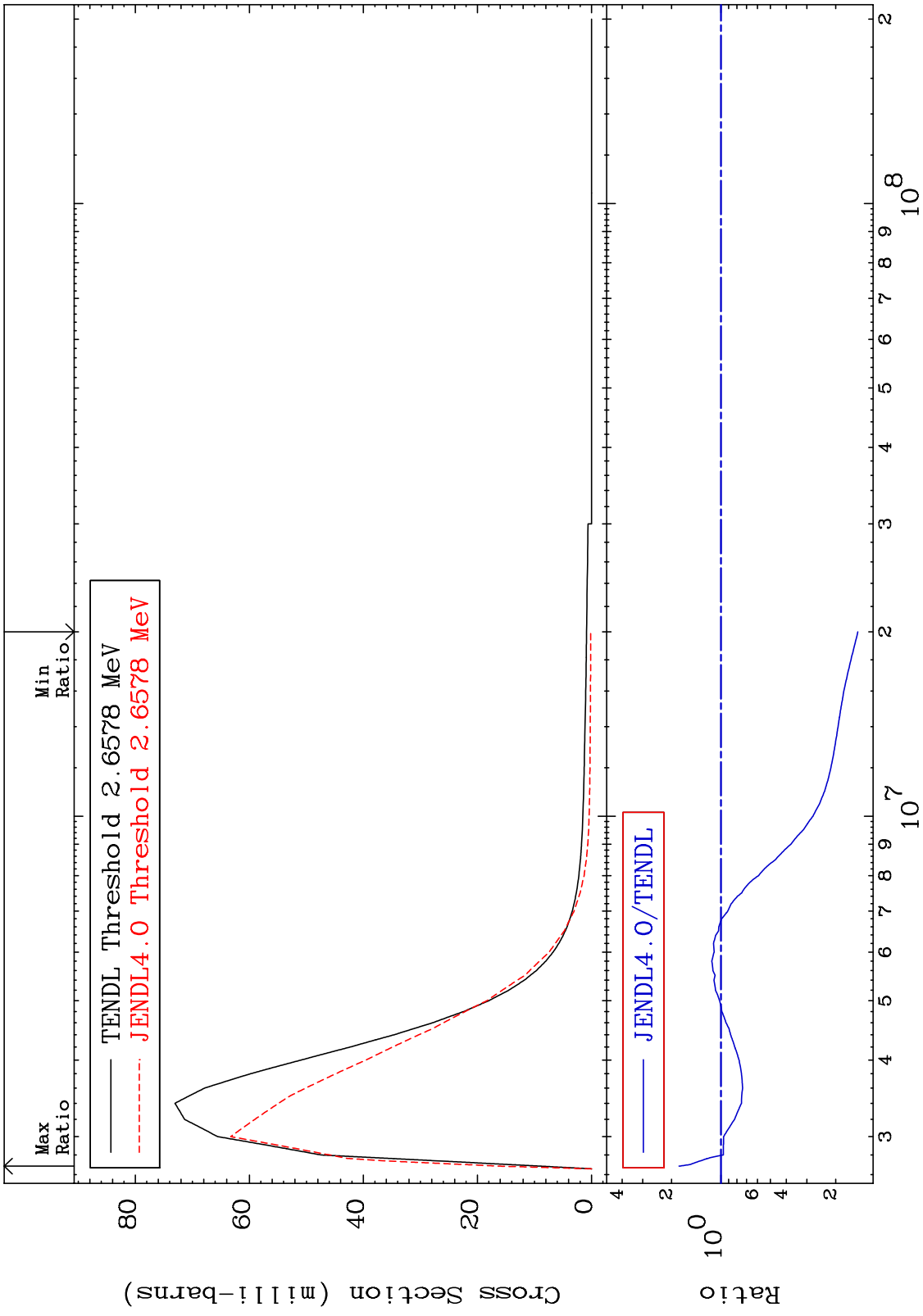


MAT 5067 MT= 67 (n,n') Level Cross Section 50-Sn-126 -43.78 To 201.3 %

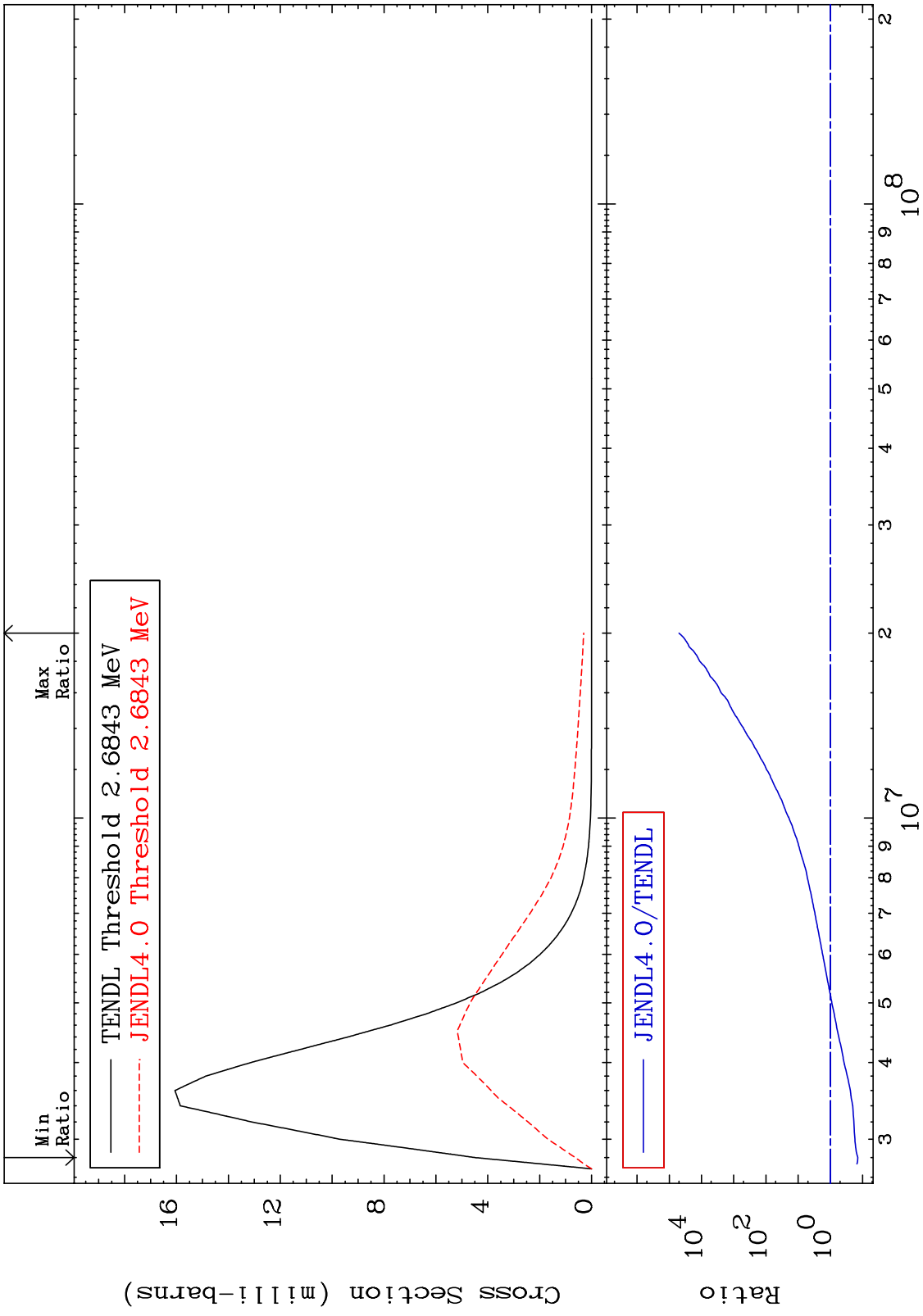


24 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 68 (n,n') Level Cross Section 50-Sn-126 -85.33 To 80.10 %



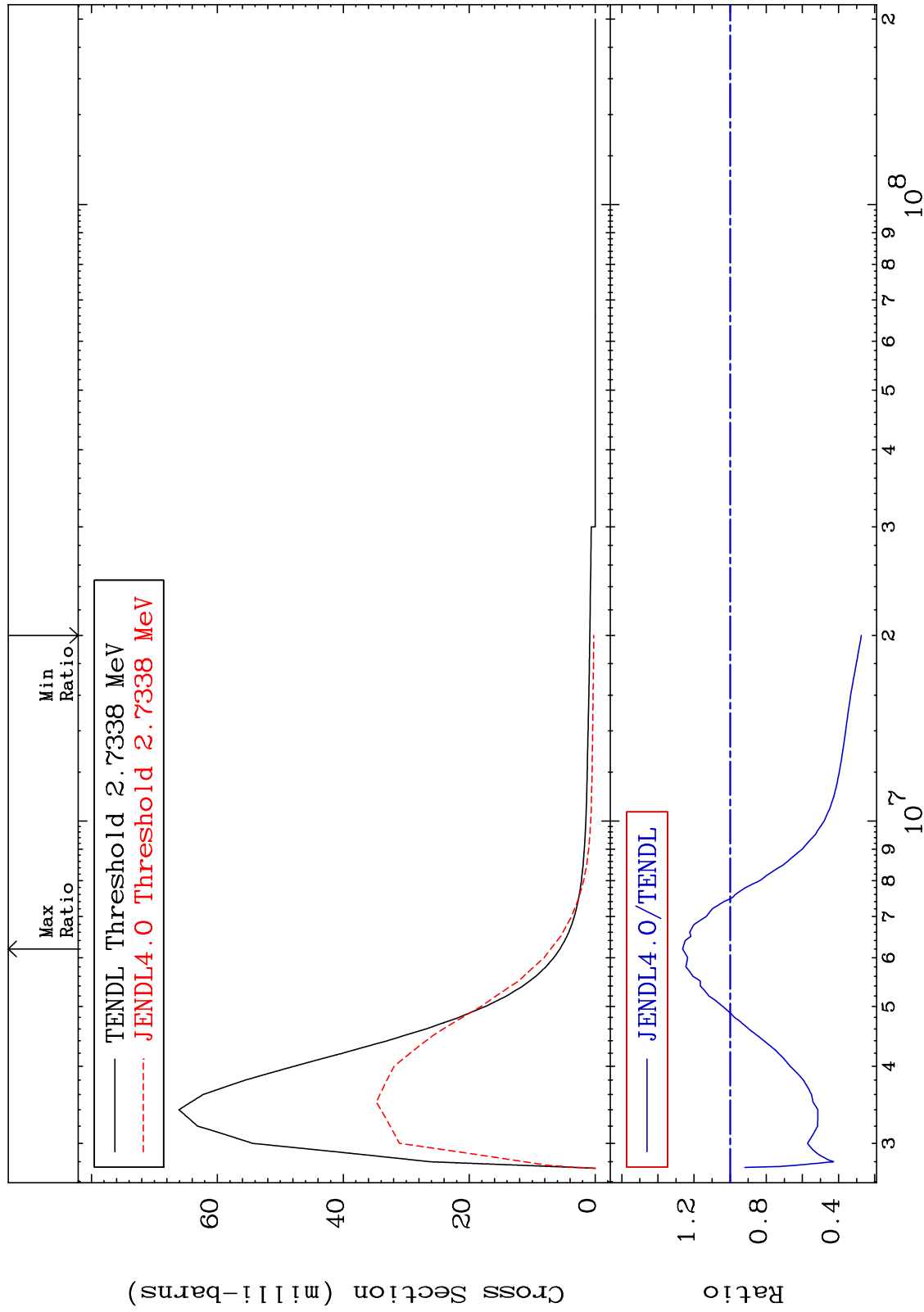
MAT 5067 MT= 69 (n,n') Level Cross Section 50-Sn-126 -85.94 To 9999. %



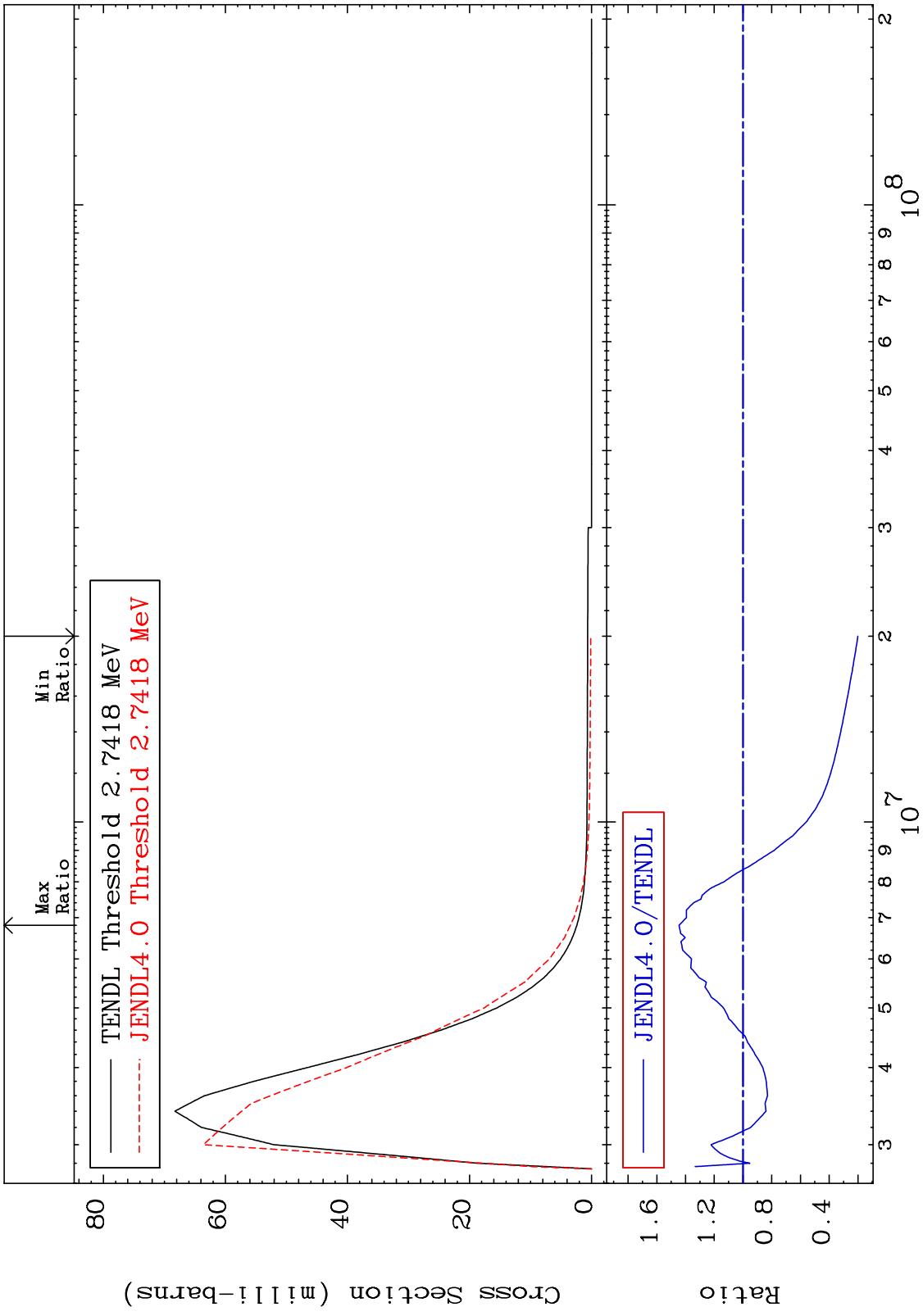
MAT 5067

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

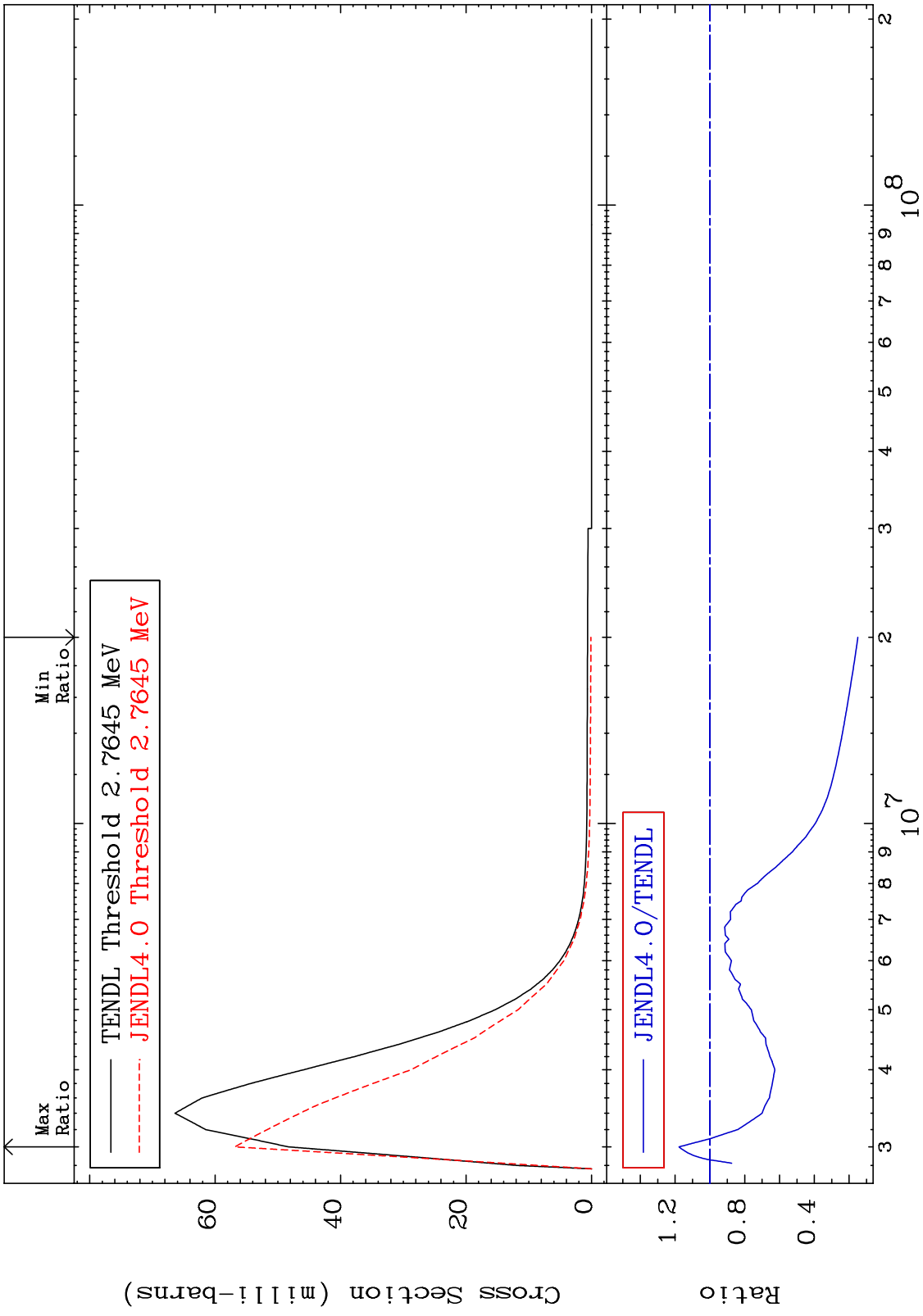
50-Sn-126
-72.62 To 26.29 %



MAT 5067 MT= 71 (n,n') Level Cross Section 50-Sn-126 -79.95 To 44.51 %



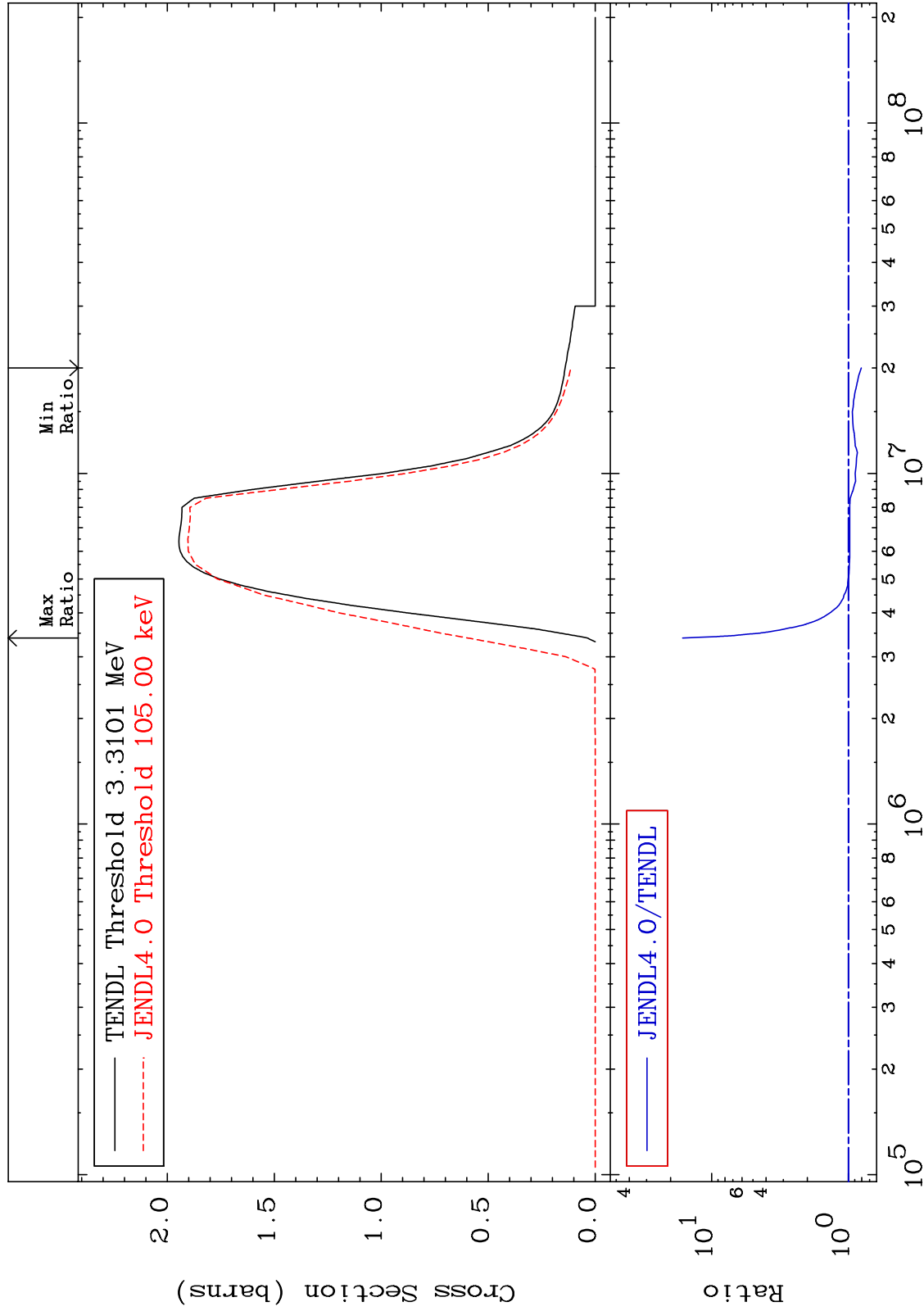
MAT 5067 MT= 72 (n,n') Level Cross Section 50-Sn-126 -84.99 To 17.74 %



MAT 5067

(n,n') Continuum
Cross Section

50-Sn-126
-19.49 To 1531. %



30

50-Sn-126

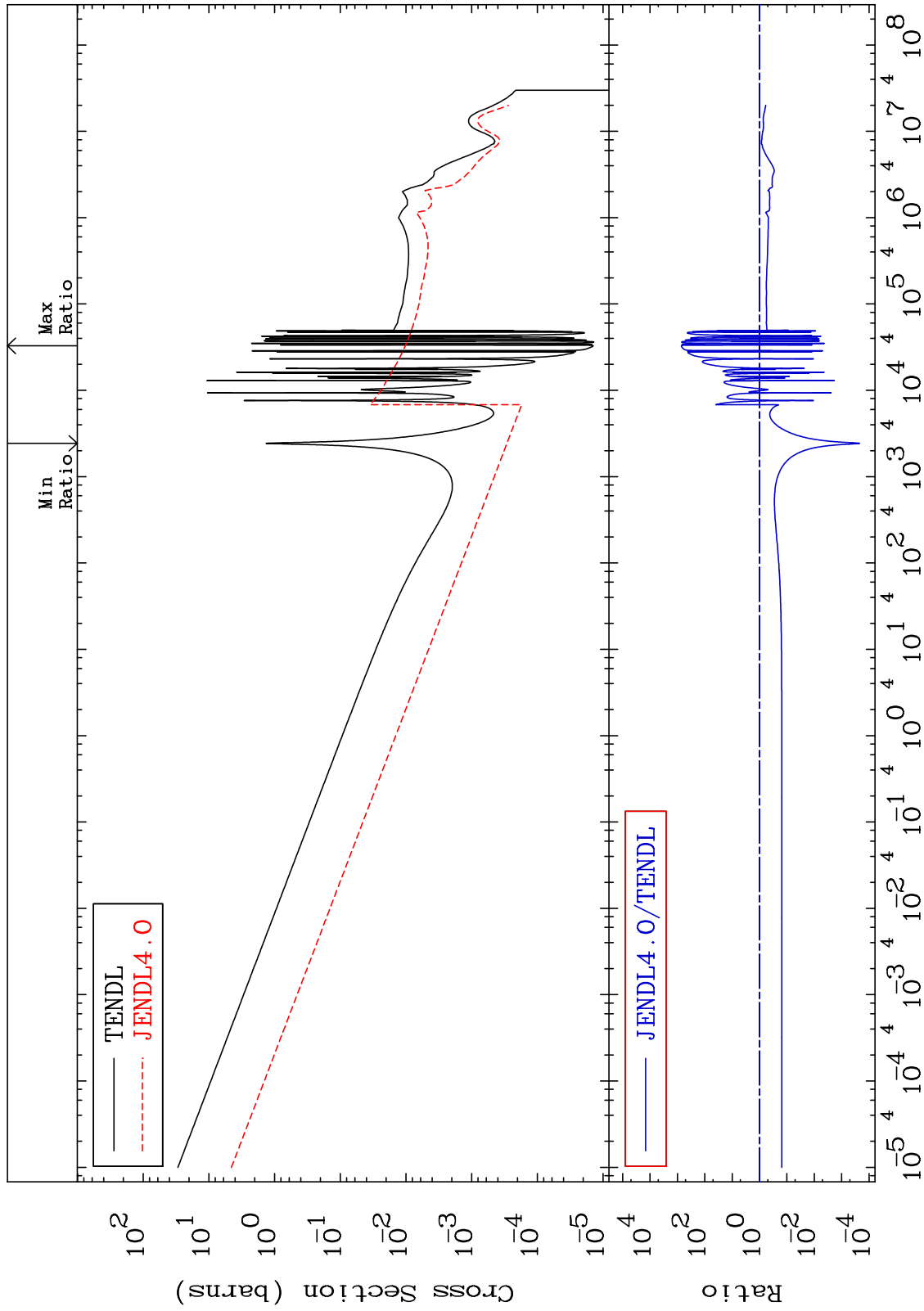
MAT 5067

(n, γ)

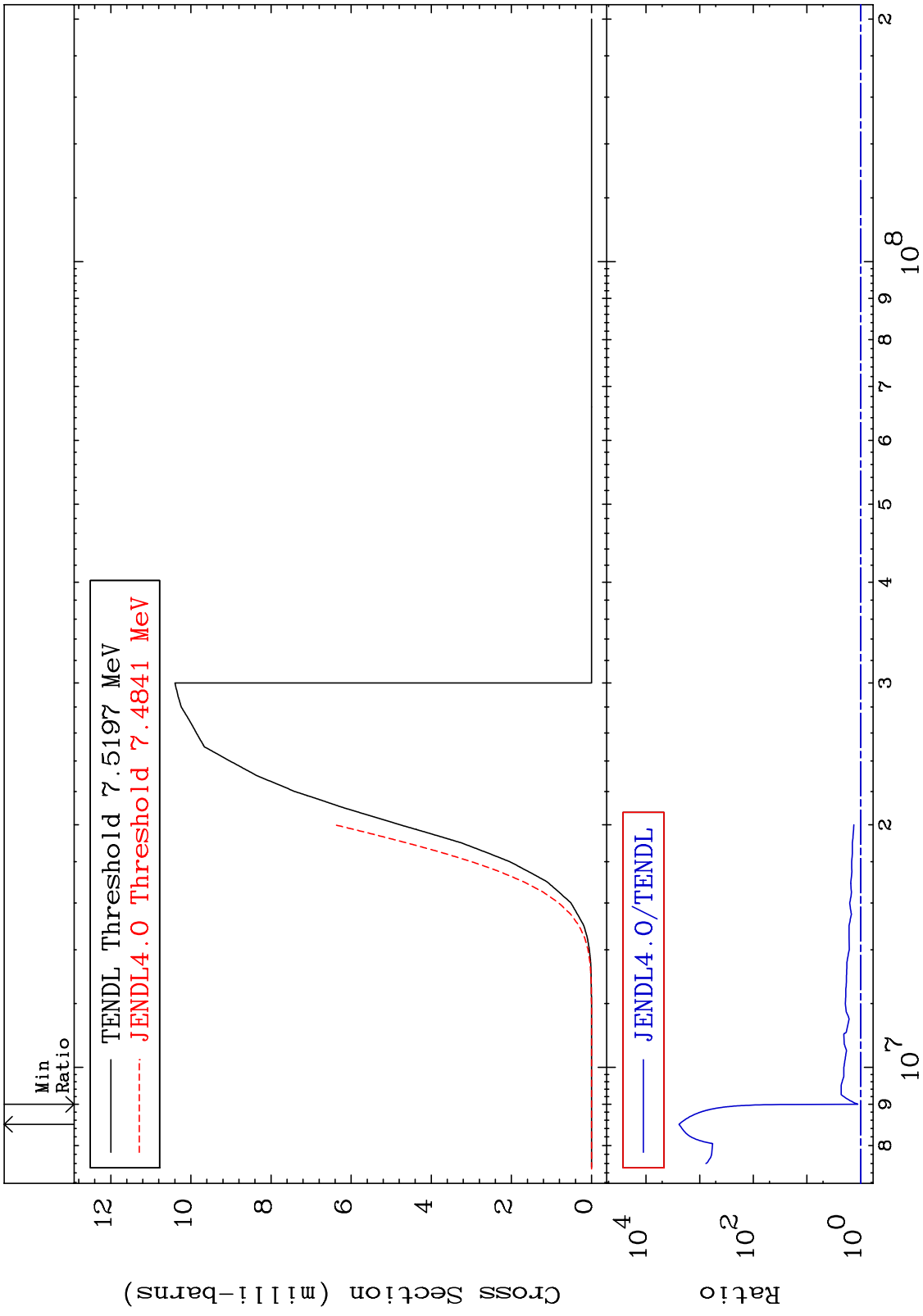
50-Sn-126

-99.98 To 9999. %

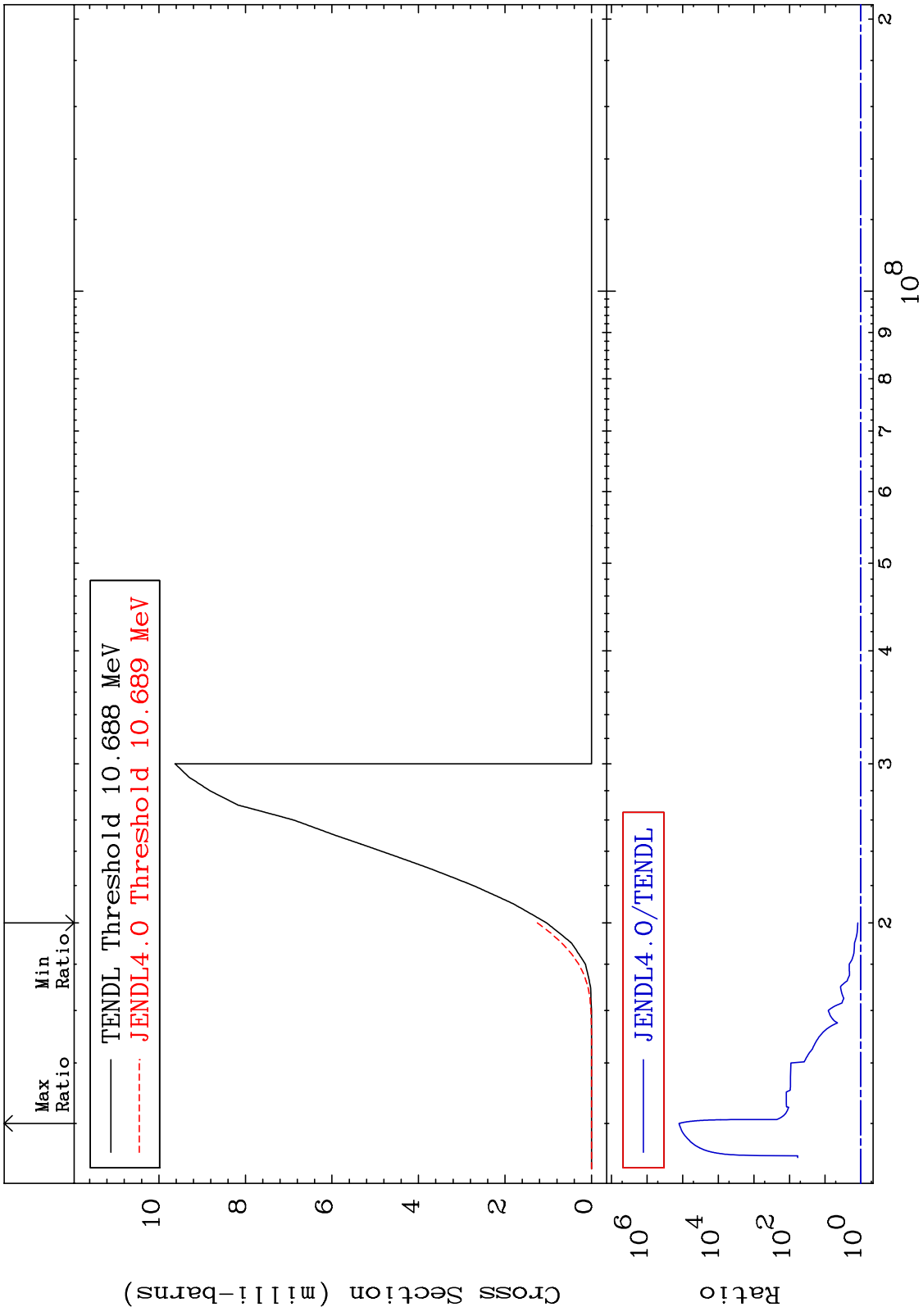
Cross Section

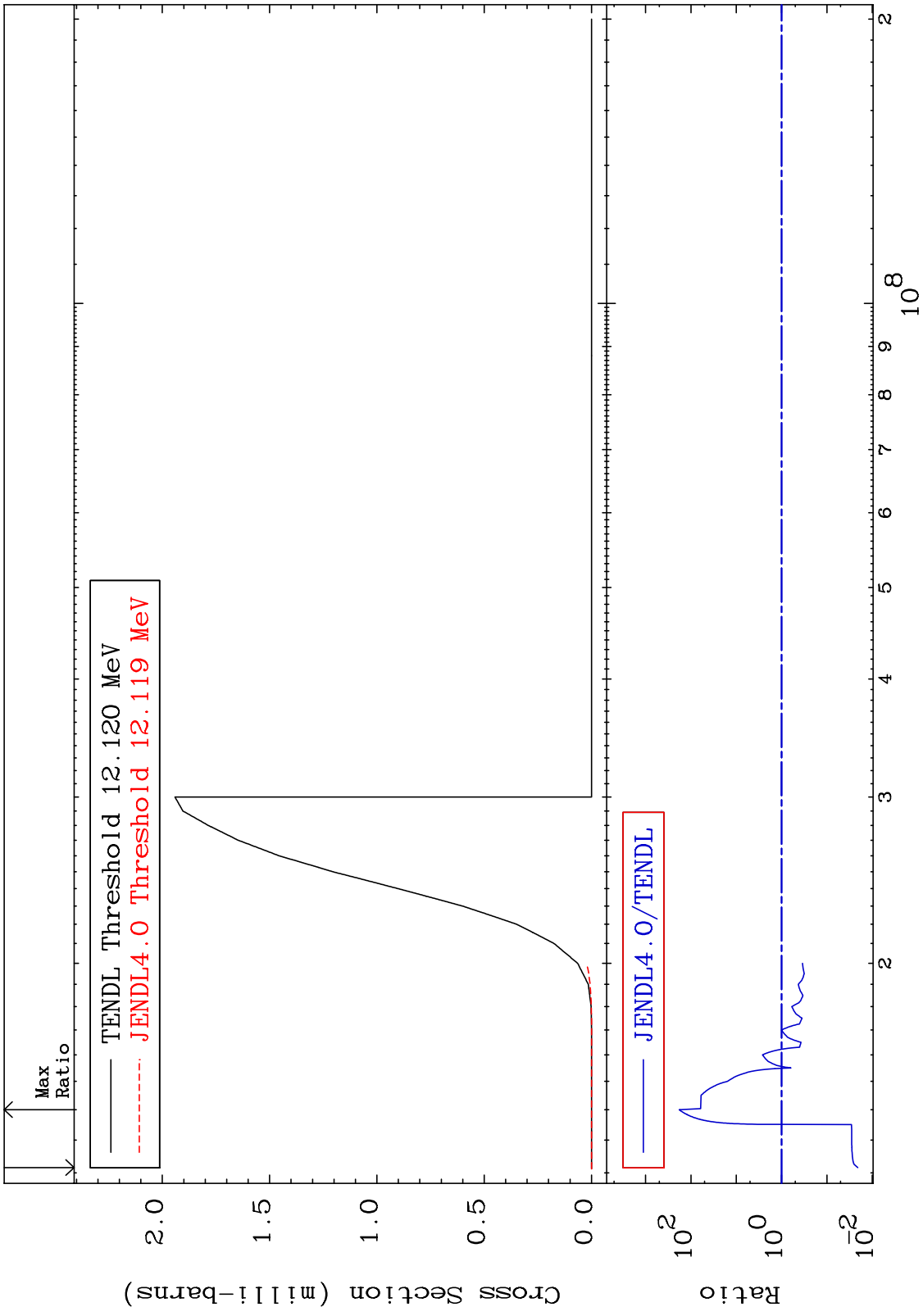


MAT 5067 (n,p) Cross Section 50-Sn-126 To 9999. %
 12.62

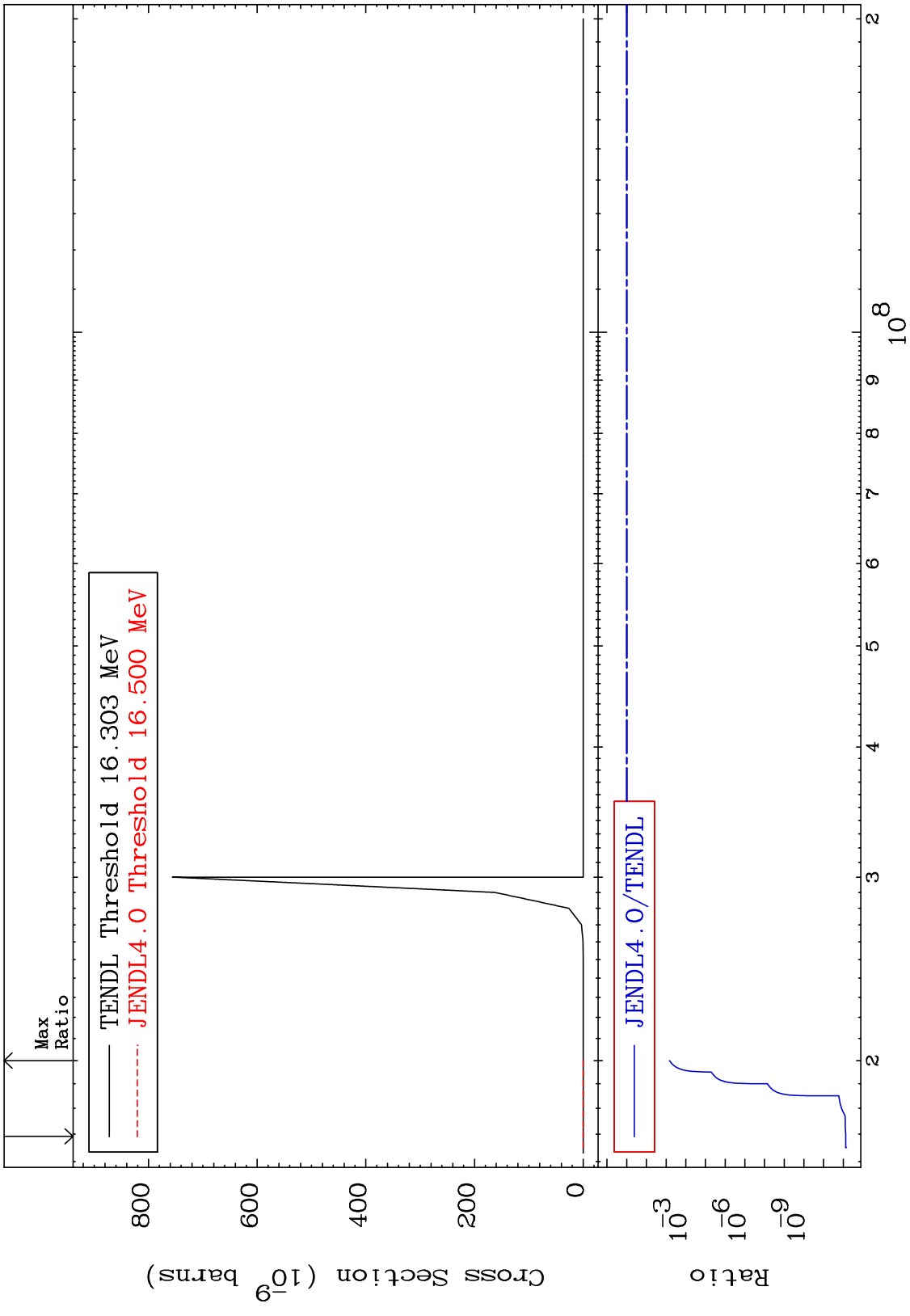


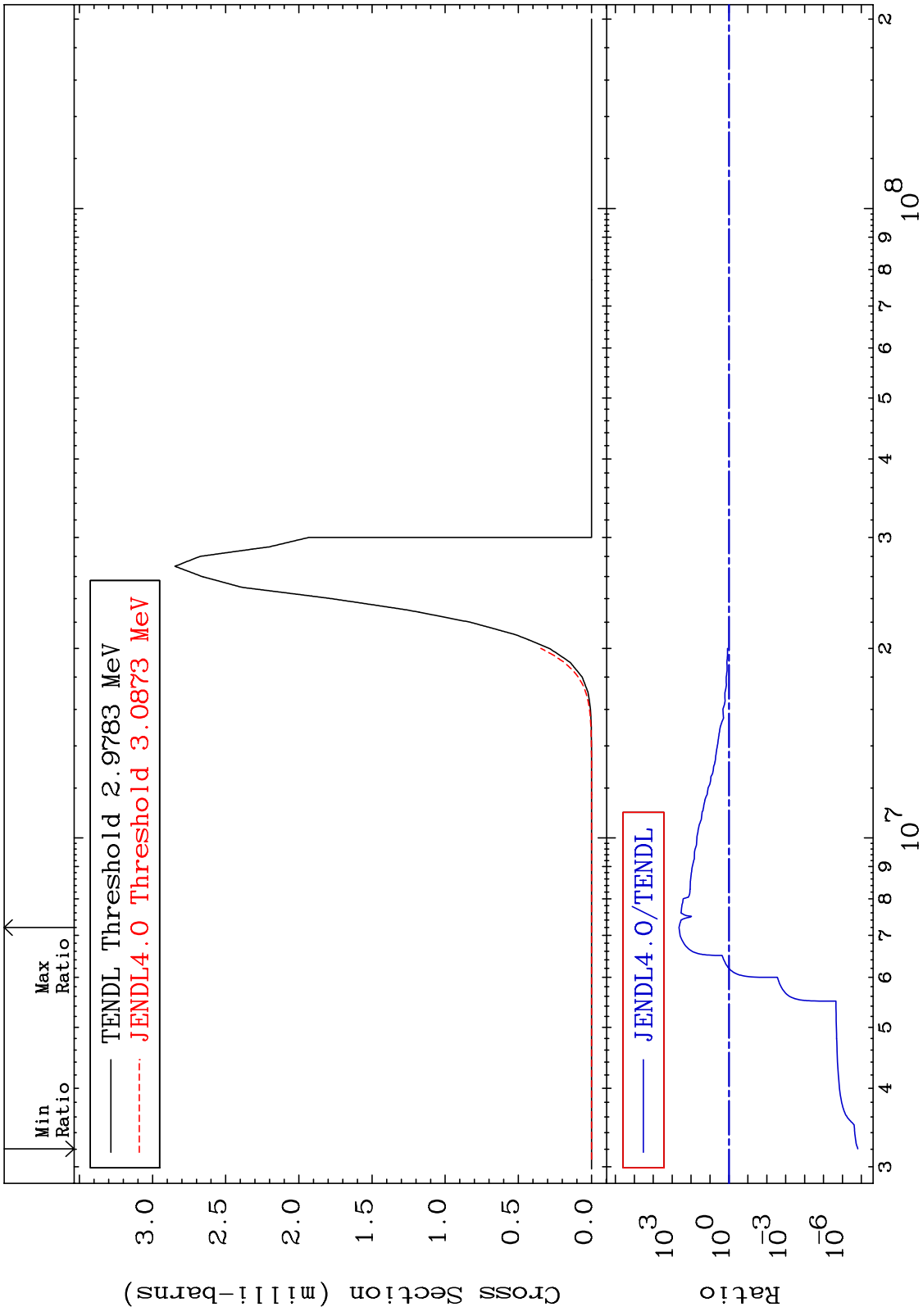
MAT 5067 (n,d) Cross Section 50-Sn-126 To 9999. %
 20.23

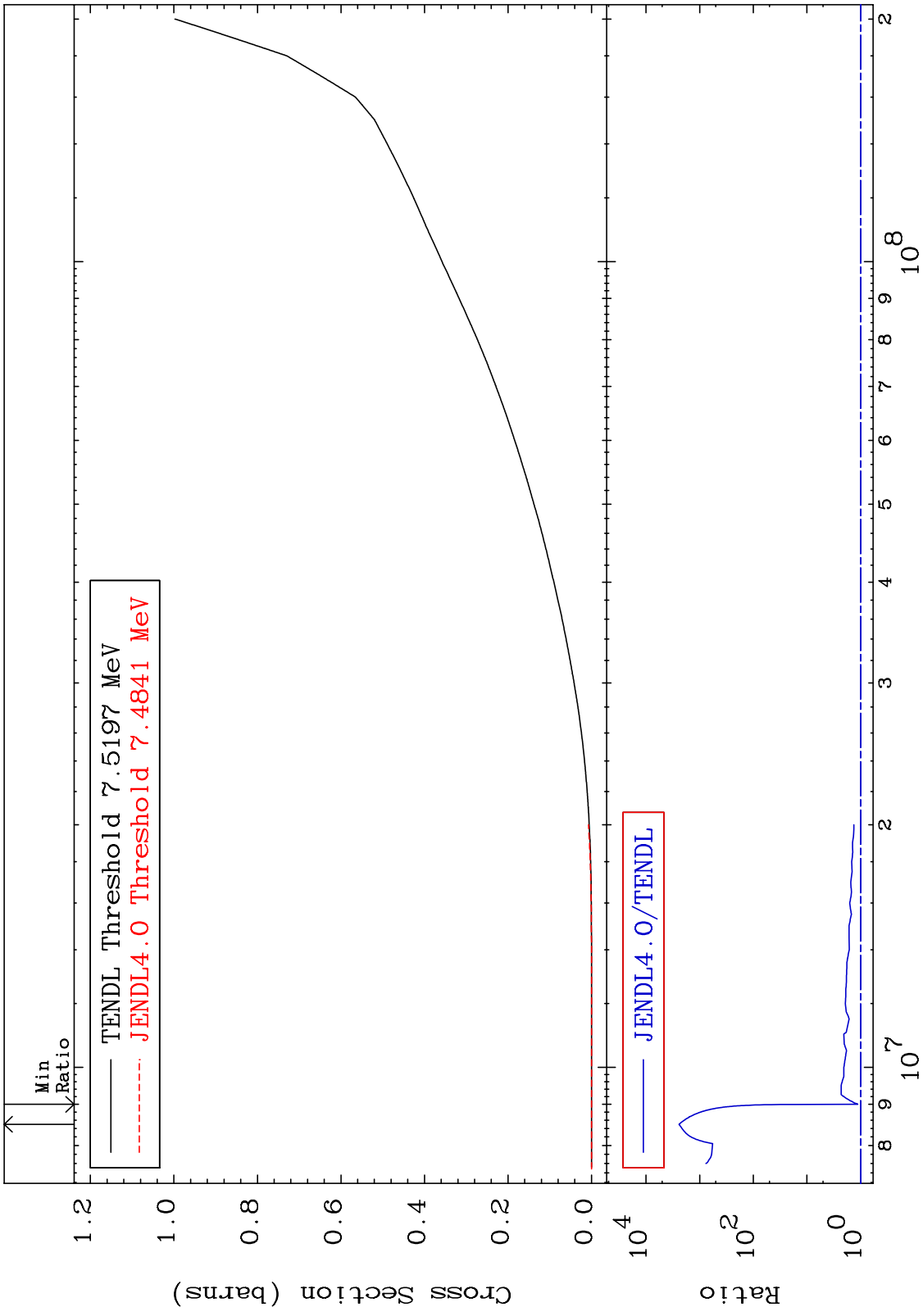




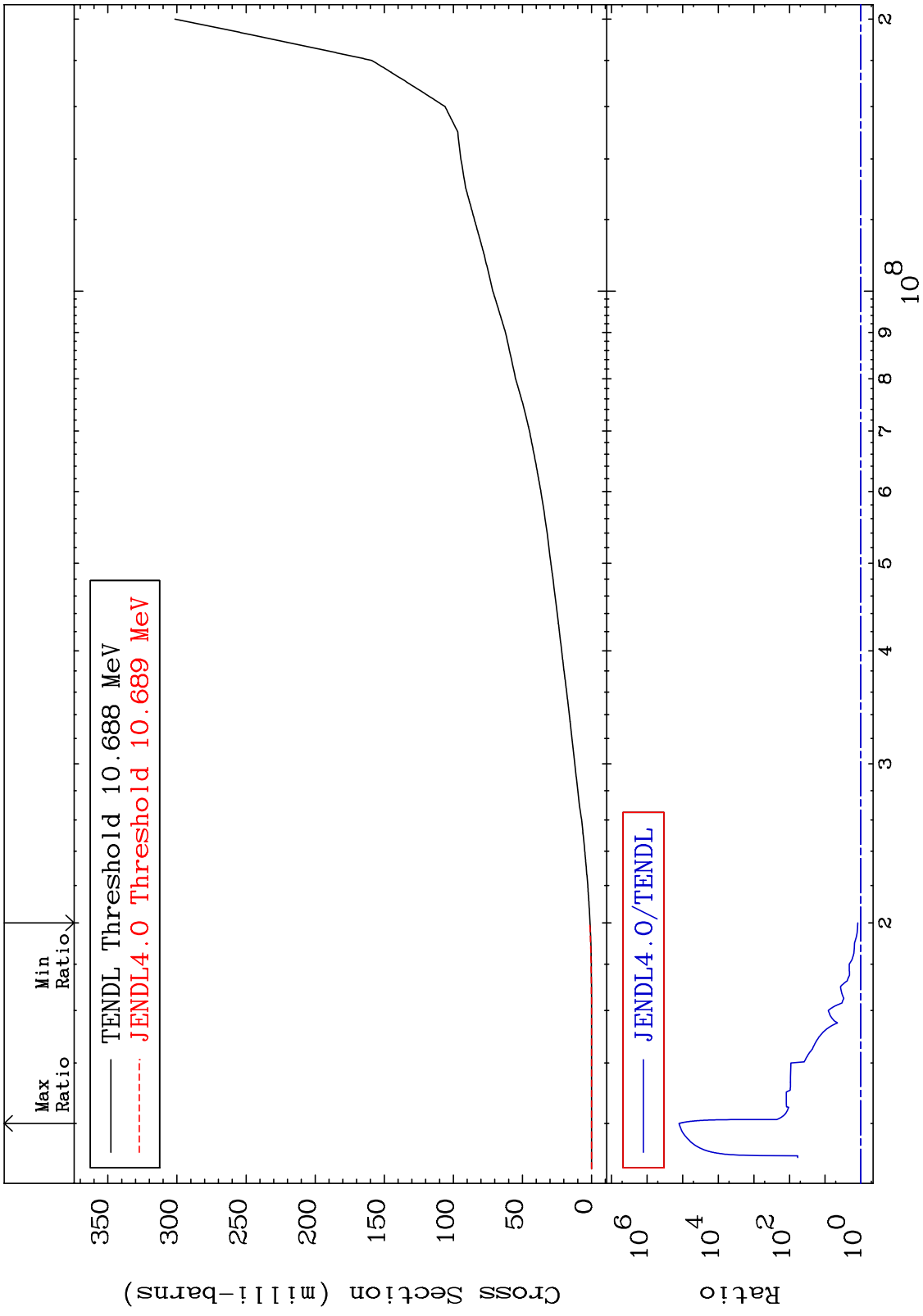
MAT 5067 (n, He-3) 50-Sn-126
 Cross Section -100.0 To -99.33%







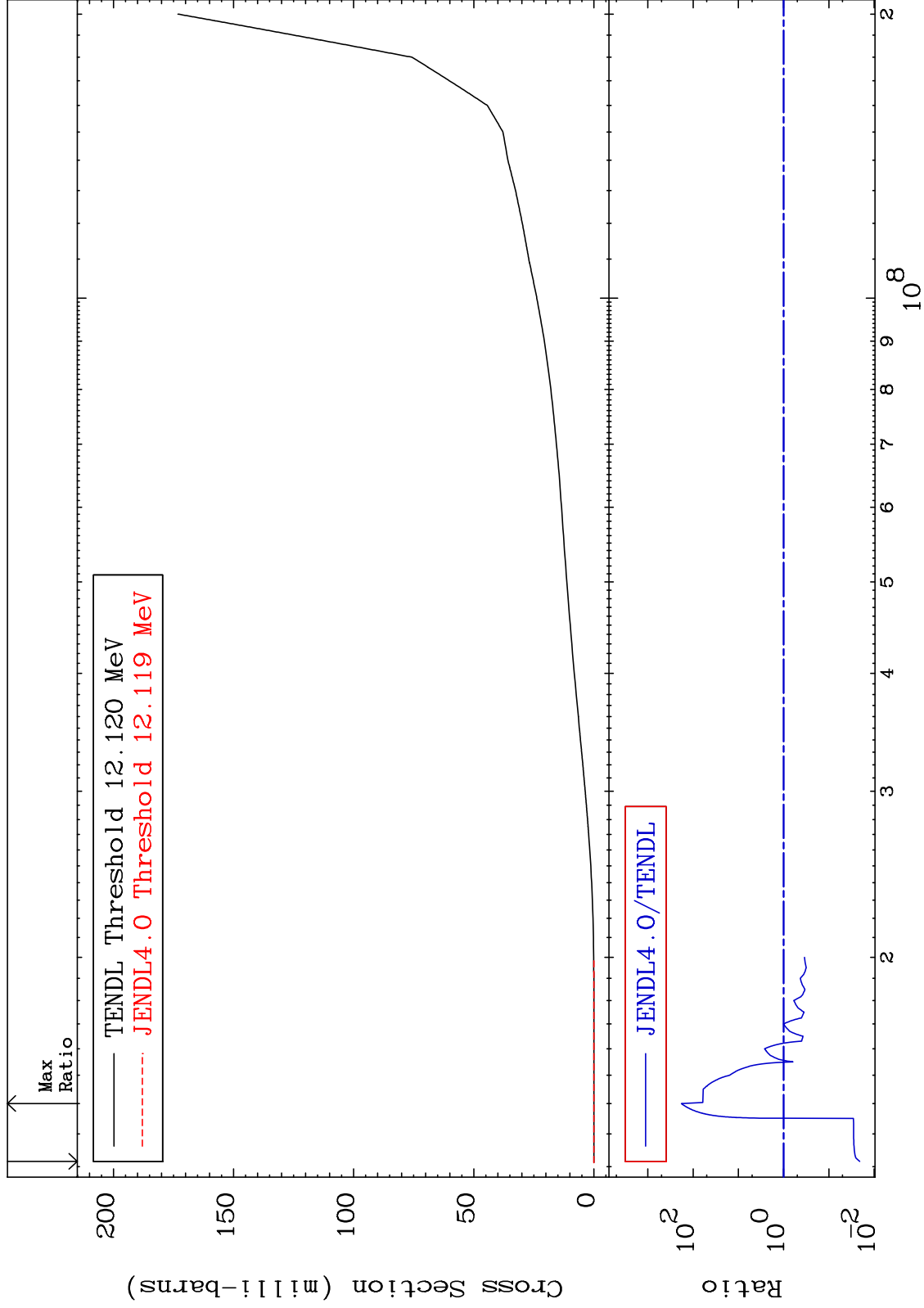
MAT 5067 Deuterium Production Cross Section 50-Sn-126 To 9999. %



MAT 5067

Tritium Production
Cross Section

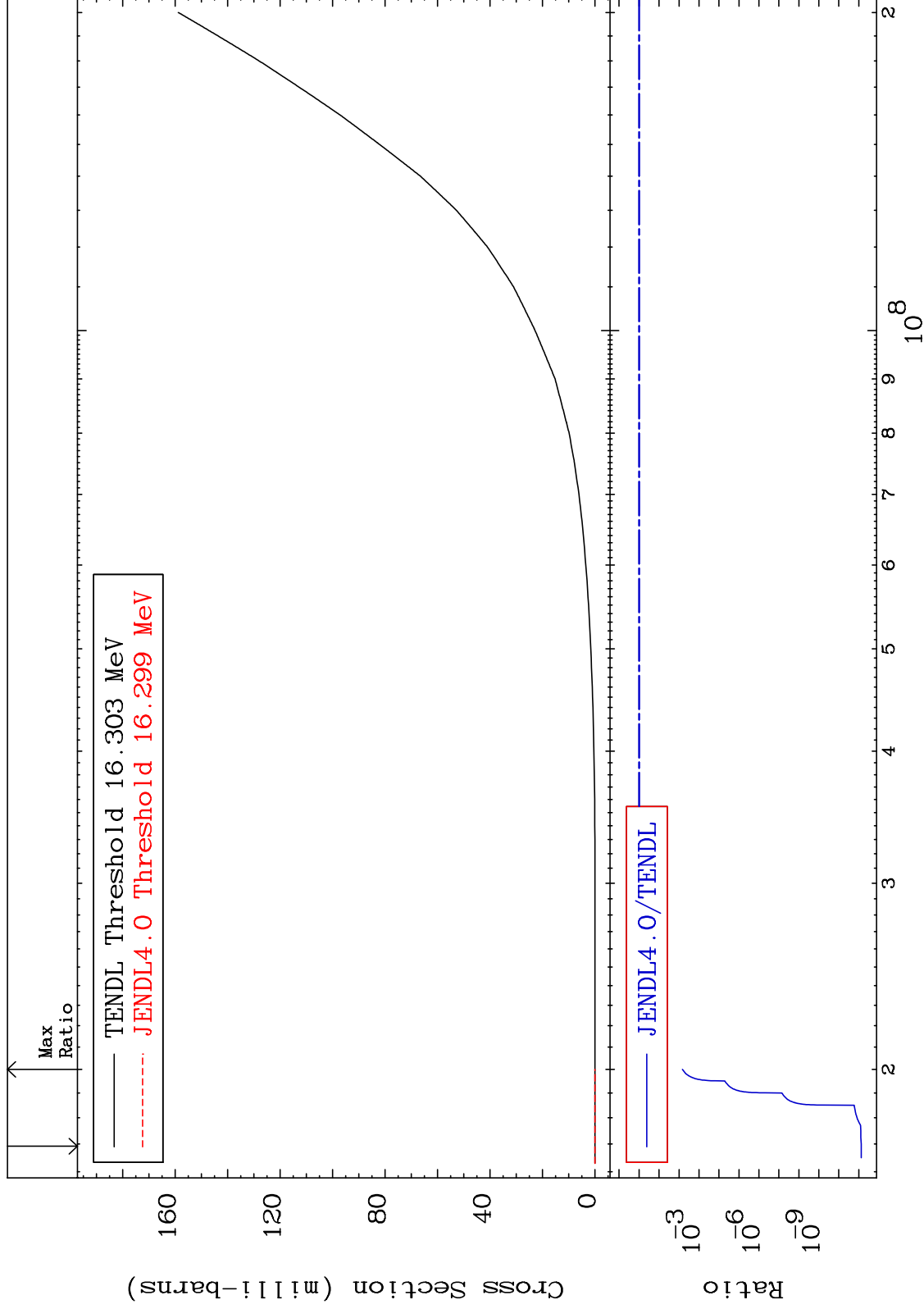
50-Sn-126
-97.92 To 9999. %



MAT 5067

He-3 Production
Cross Section

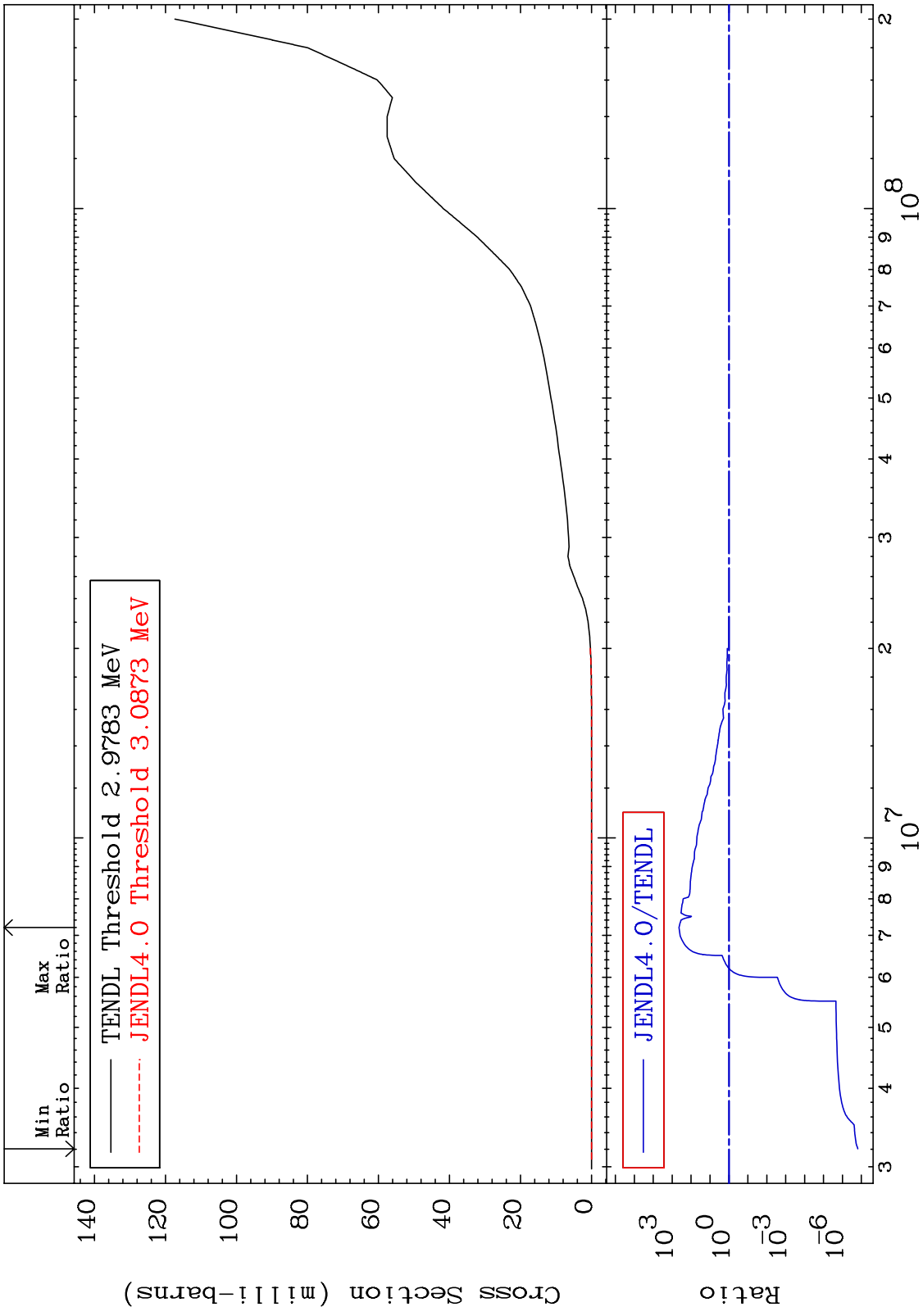
50-Sn-126
-100.0 To -99.33%



40

Incident Energy (eV)

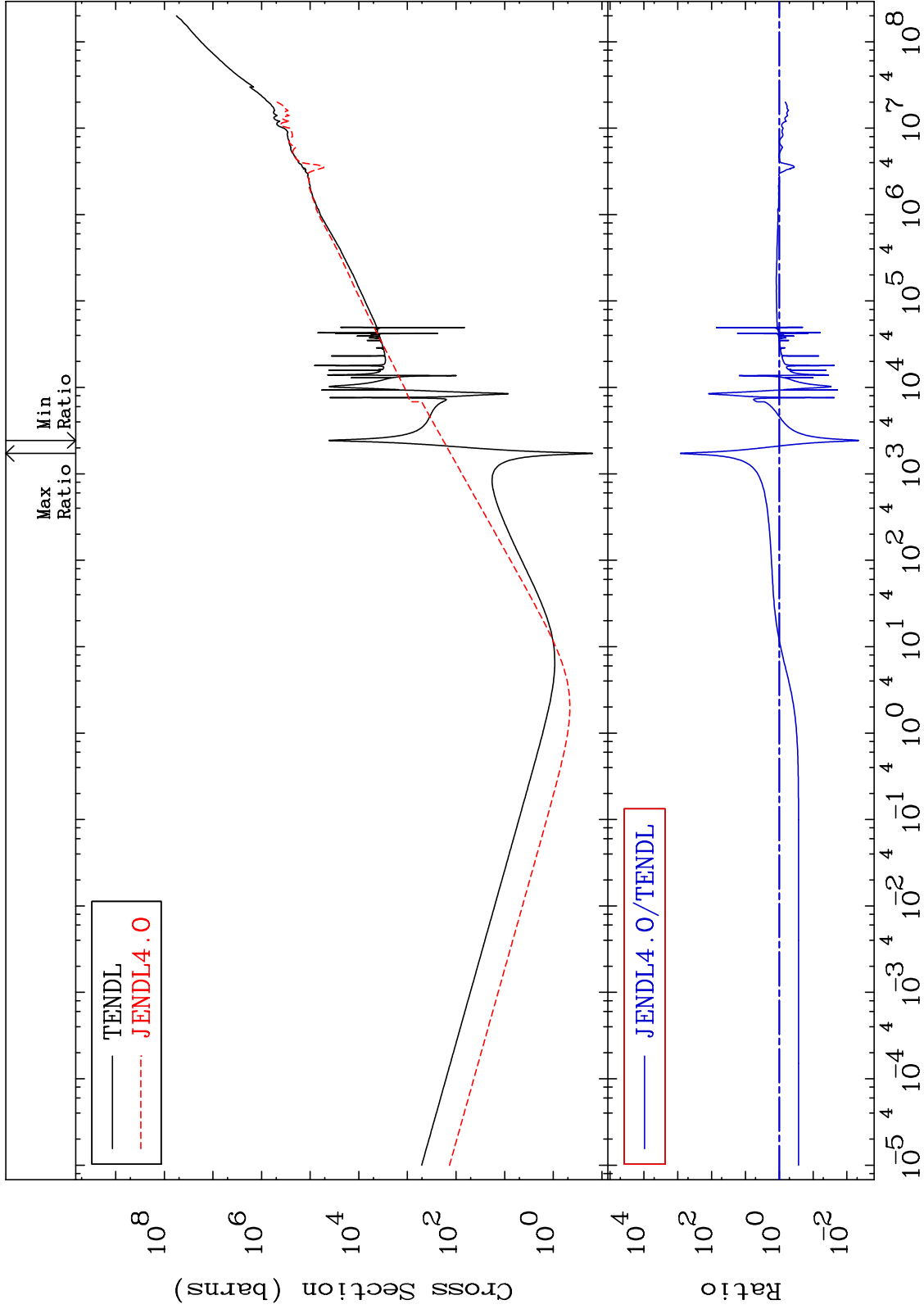
50-Sn-126



MAT 5067

Kerma total (eV-barns)
Cross Section

50-Sn-126
-99.56 To 9999. %



42

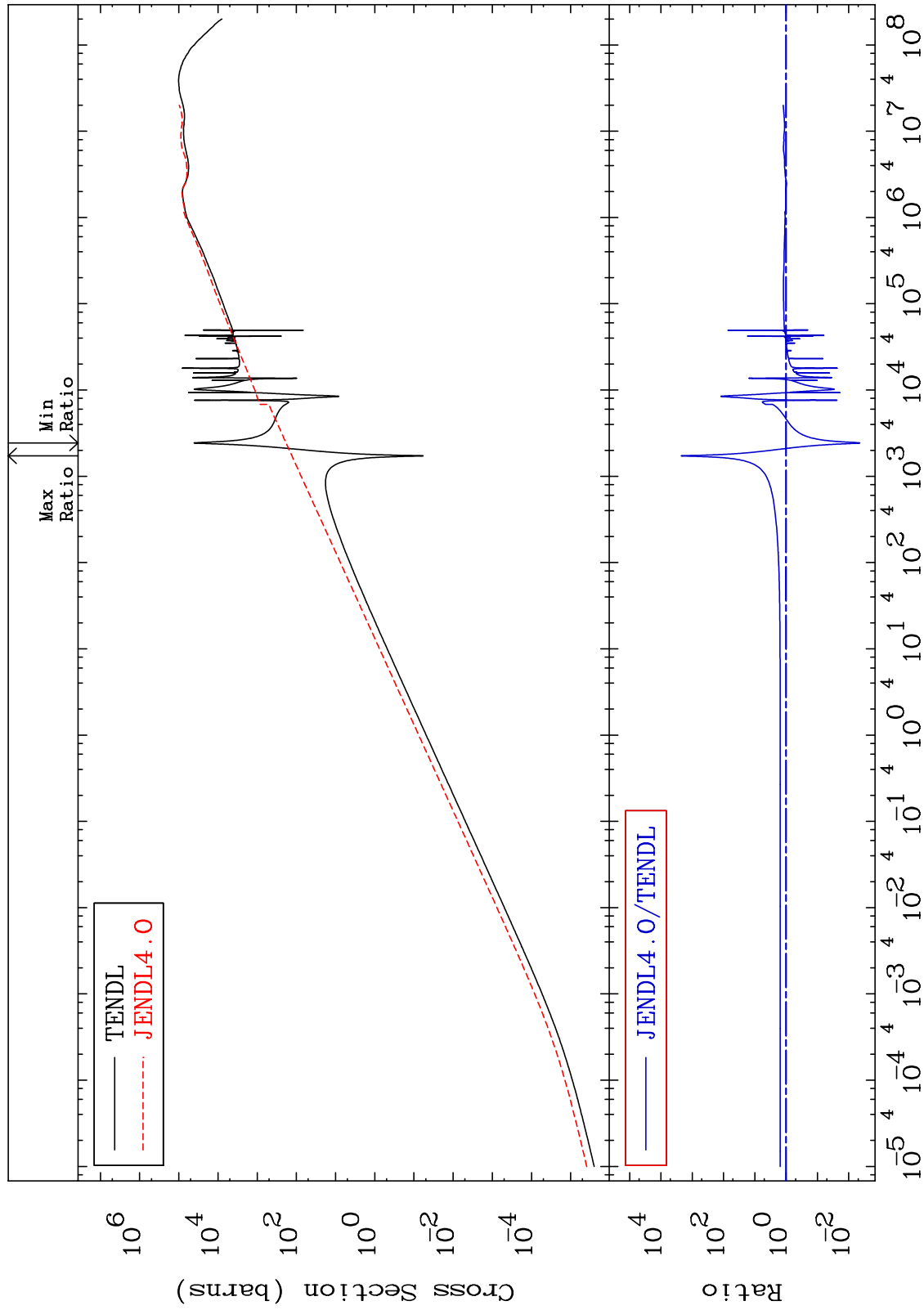
Incident Energy (eV)

50-Sn-126

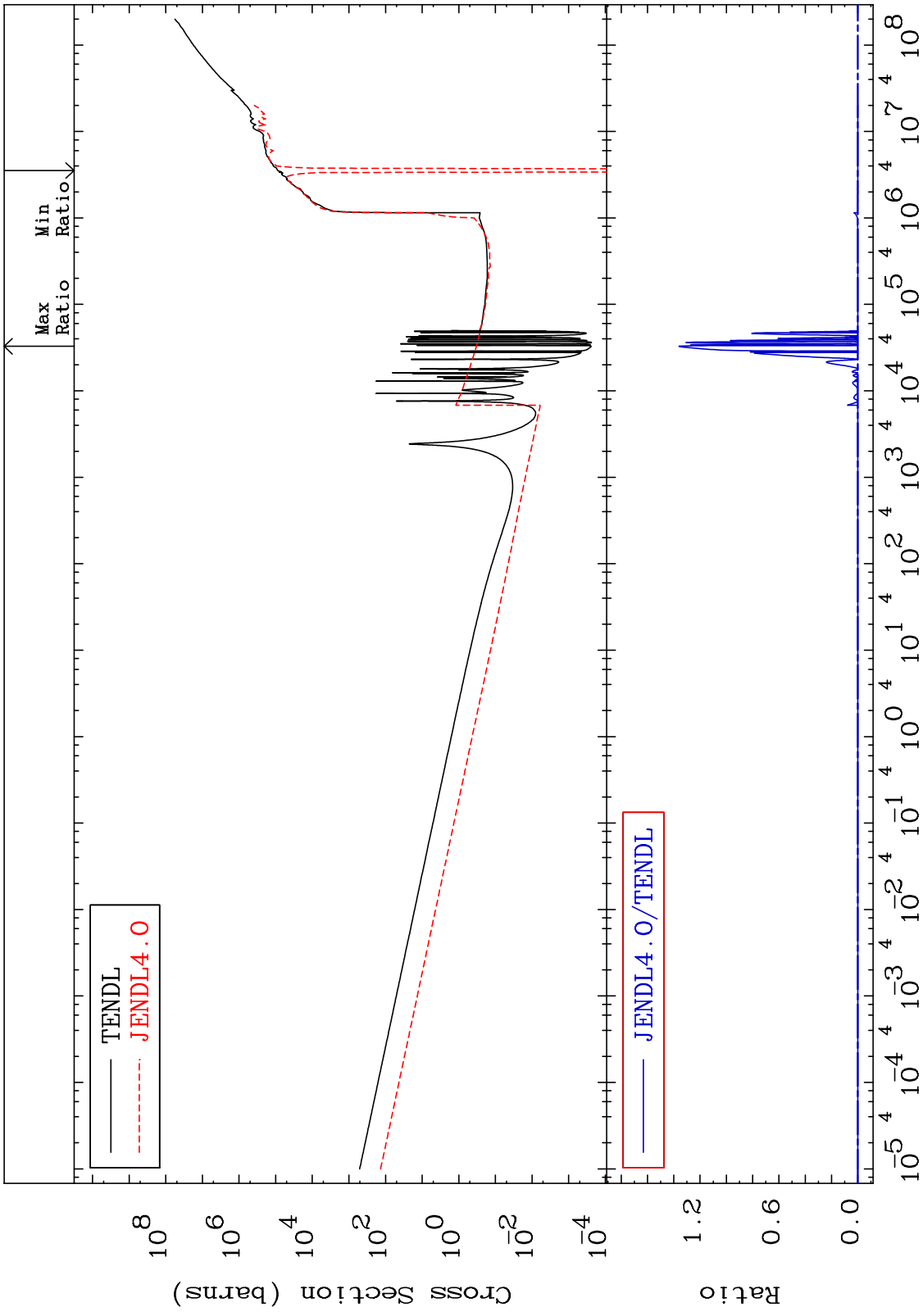
MAT 5067

Kerma elastic
Cross Section

50-Sn-126
-99.56 To 9999. %



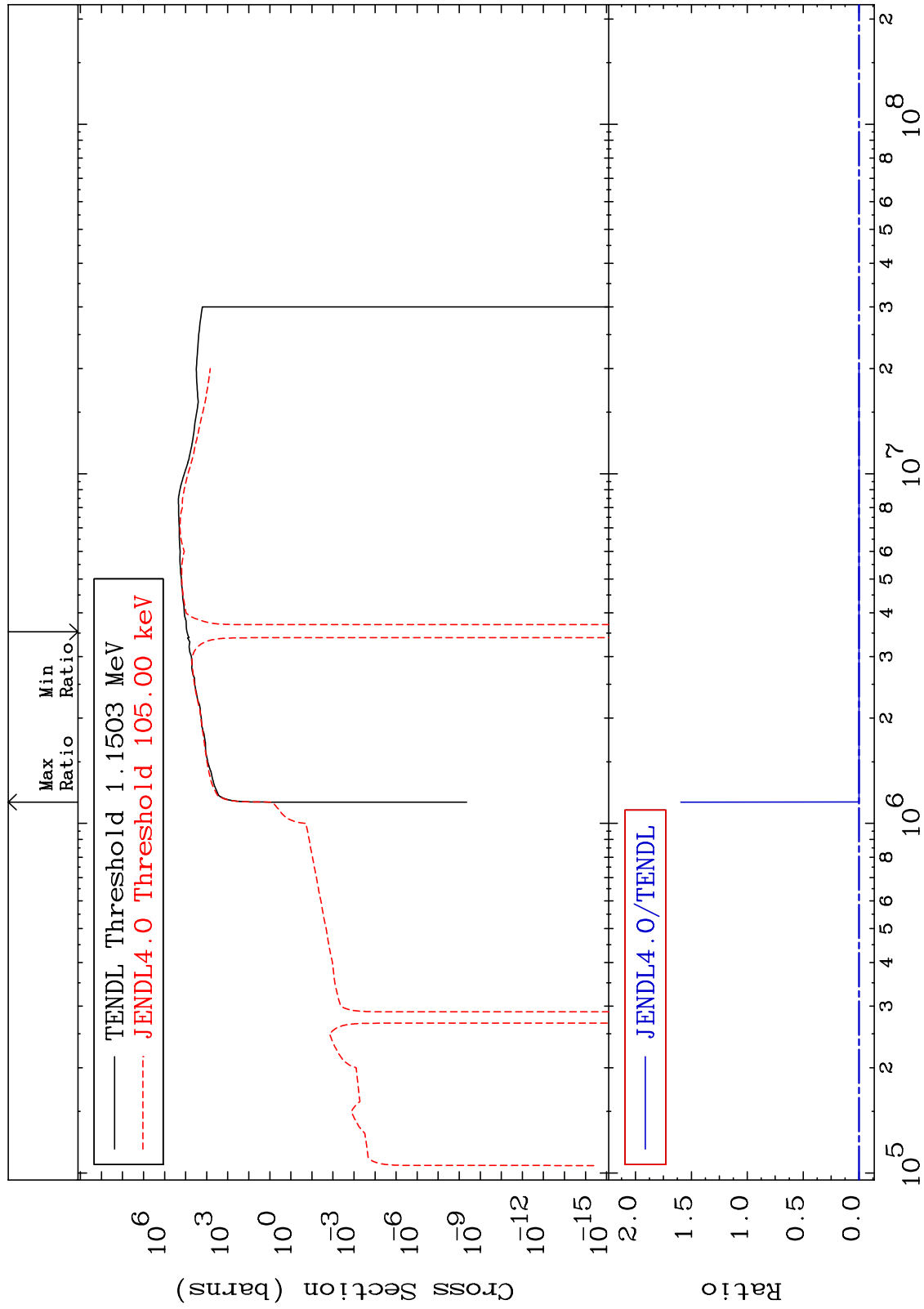
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126
 Cross Section -111.5 To 9999. %



MAT 5067

Kerma inelastic (mt51-91)
Cross Section

50-Sn-126
-111.5 To 9999. %



45

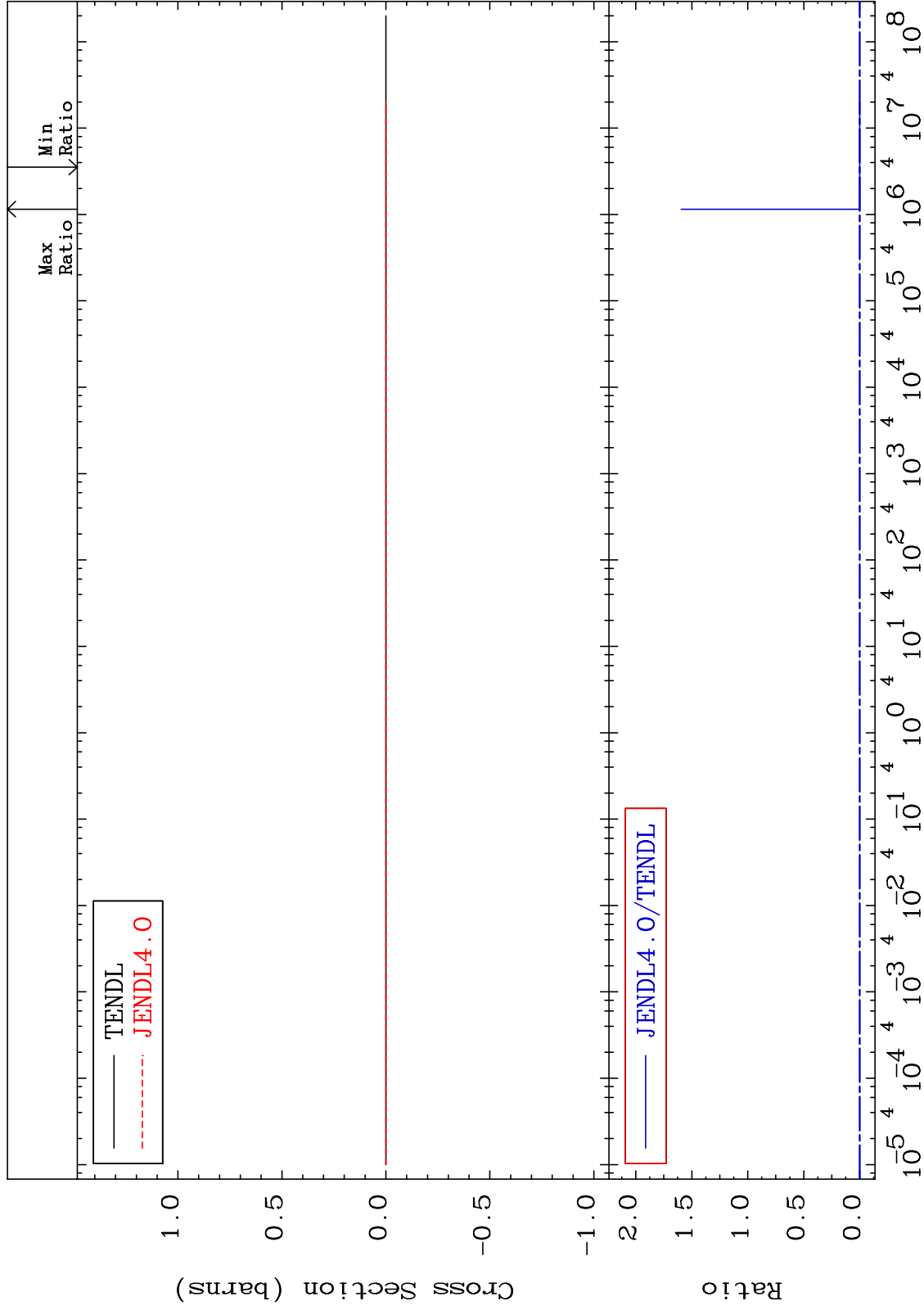
Incident Energy (eV)

50-Sn-126

MAT 5067

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

50-Sn-126
-111.5 To 9999. %



46

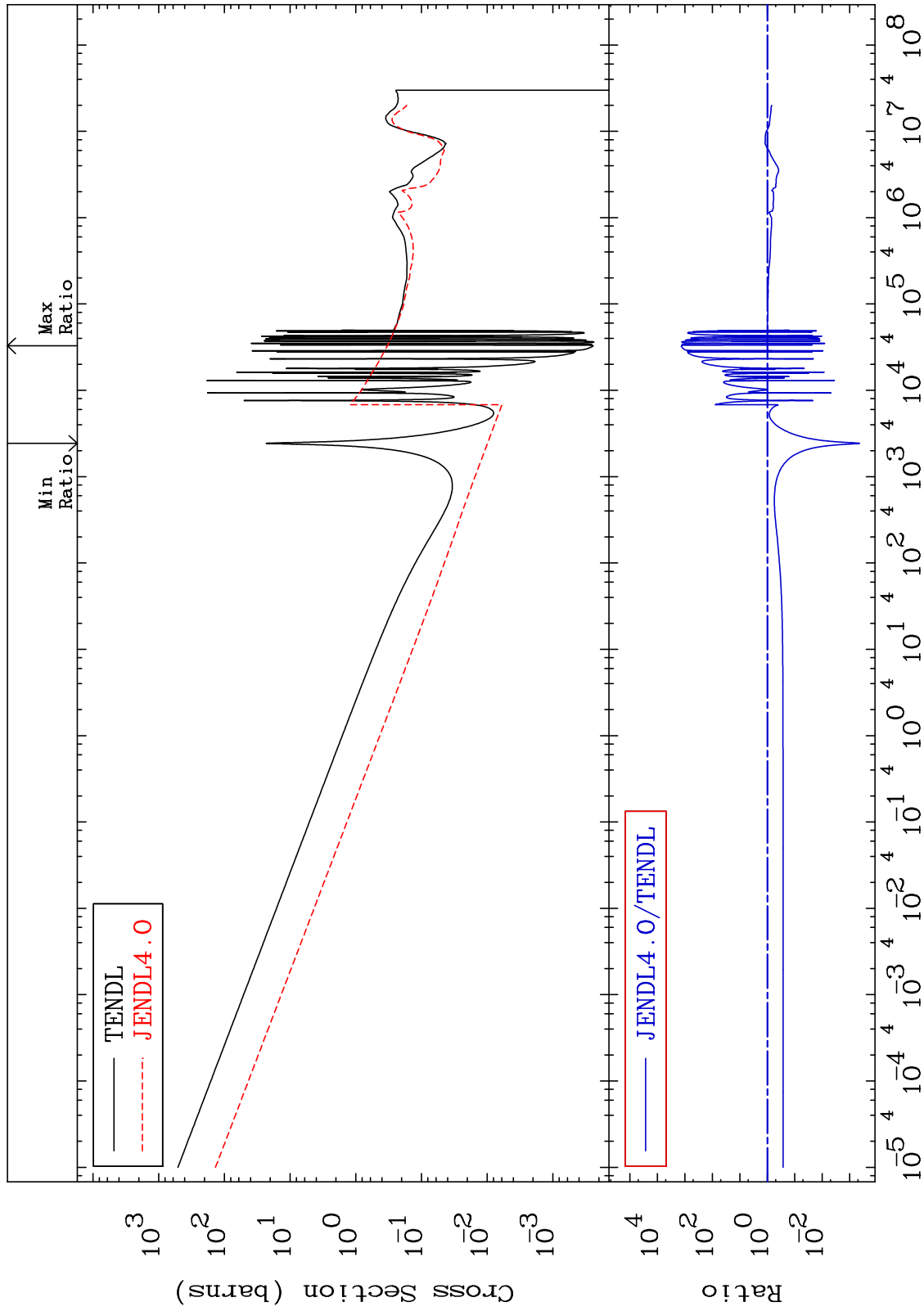
Incident Energy (eV)

50-Sn-126

MAT 5067

Kerma capture (mt102)
Cross Section

50-Sn-126
-99.96 To 9999. %

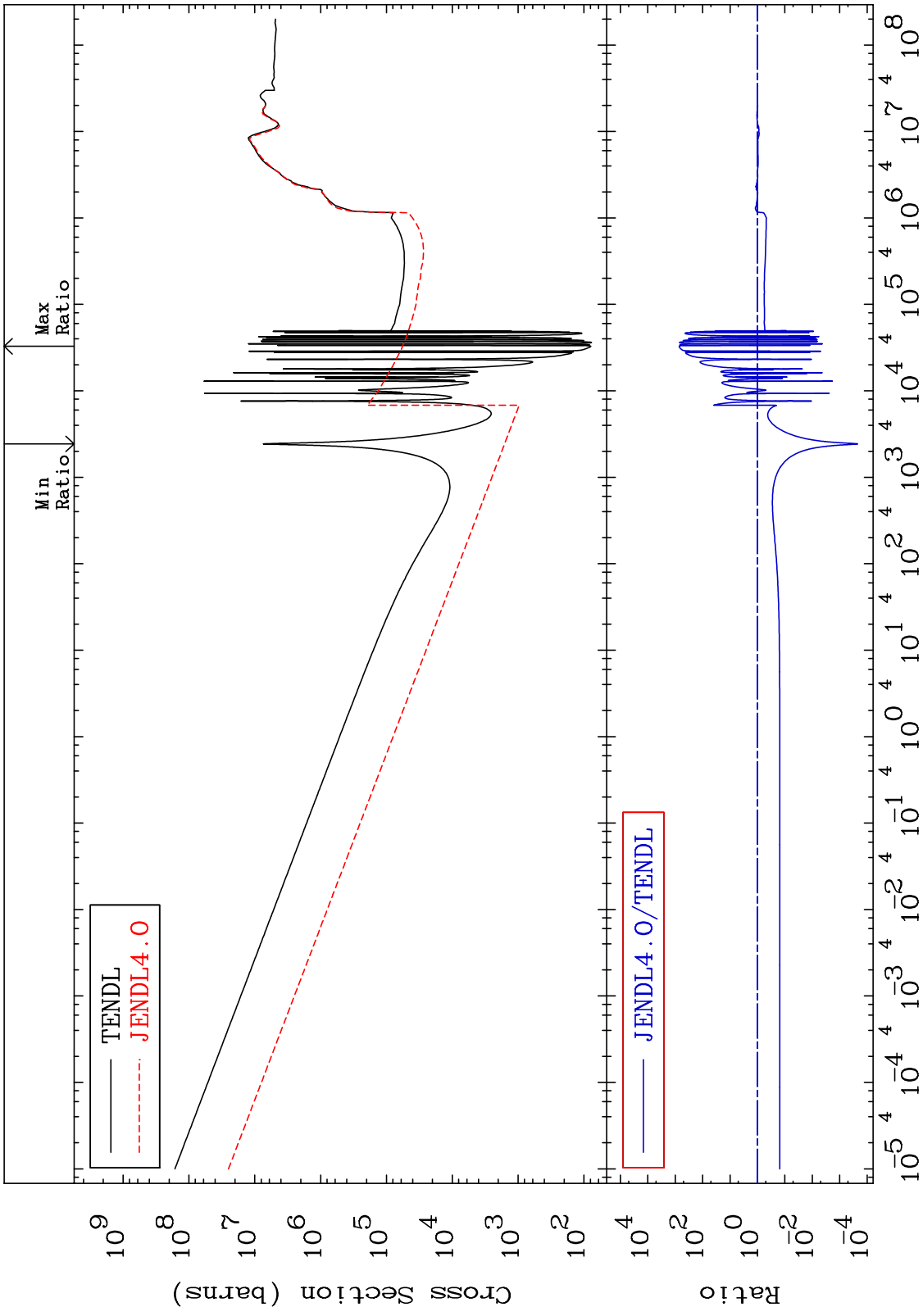


47

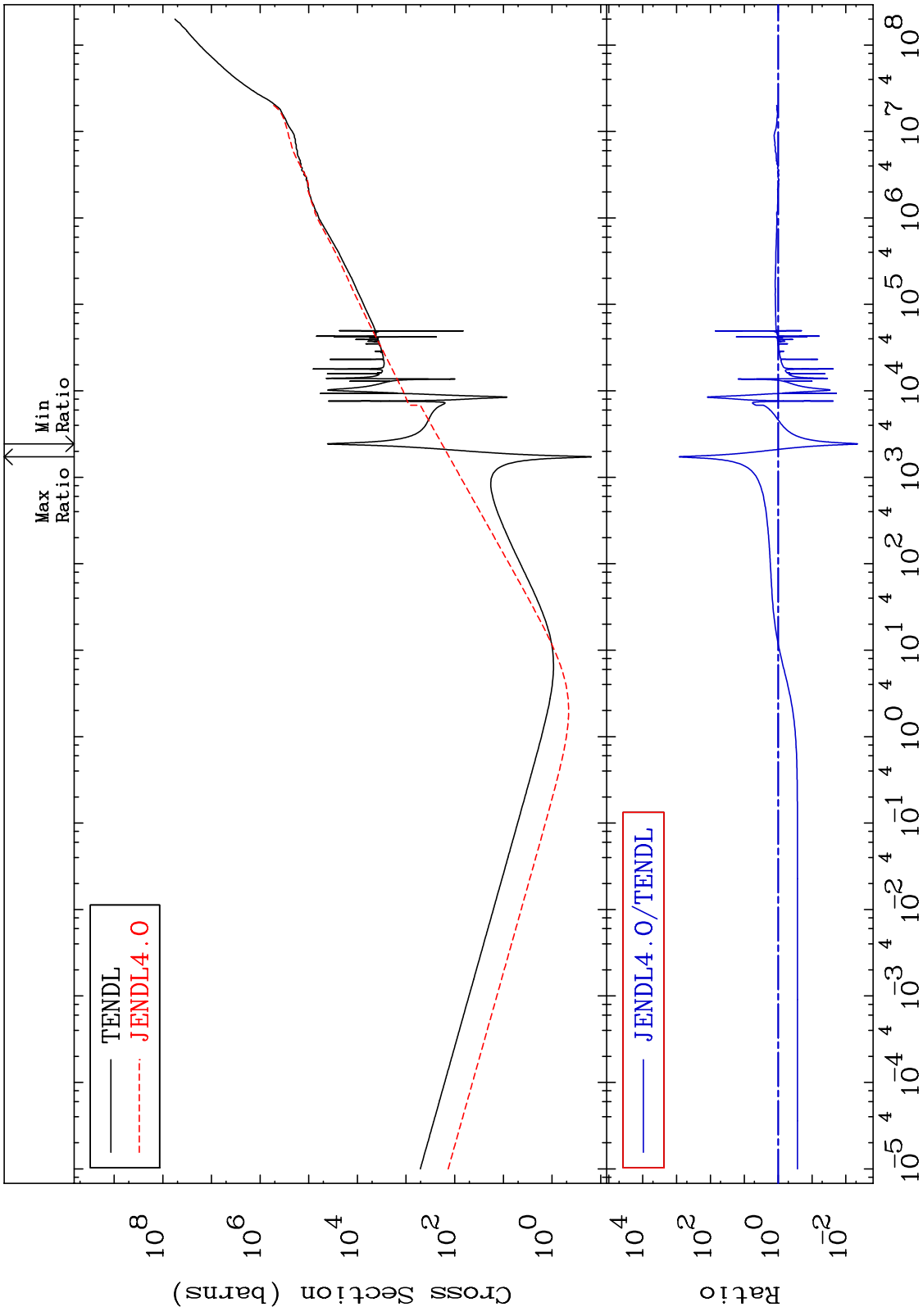
Incident Energy (eV)

50-Sn-126

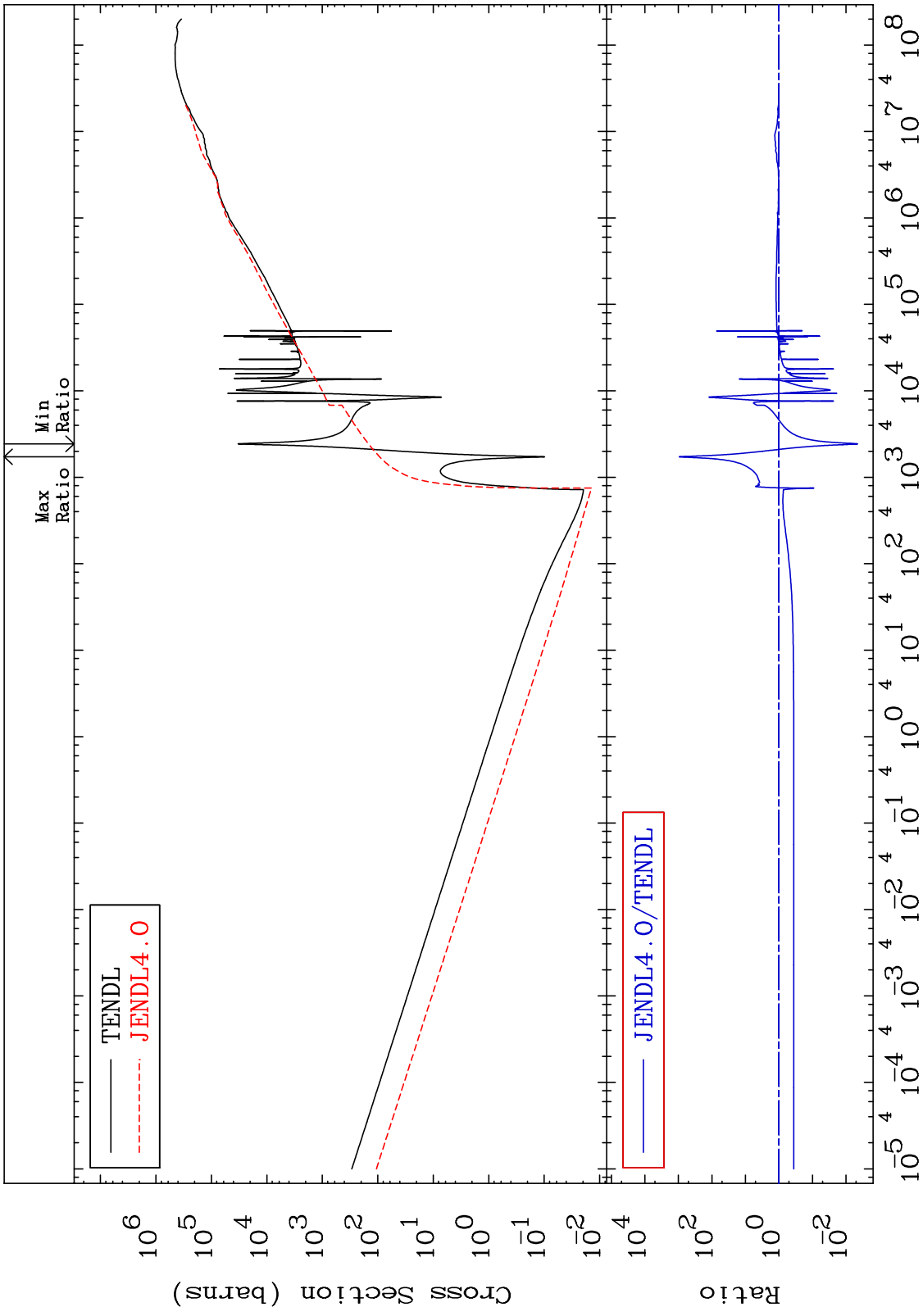
MAT 5067 50-Sn-126
 Total photon (eV-barns) Cross Section -99.98 To 9999. %



MAT 5067 Total kinematic kerma (high limit) 50-Sn-126
 Cross Section -99.56 To 9999. %



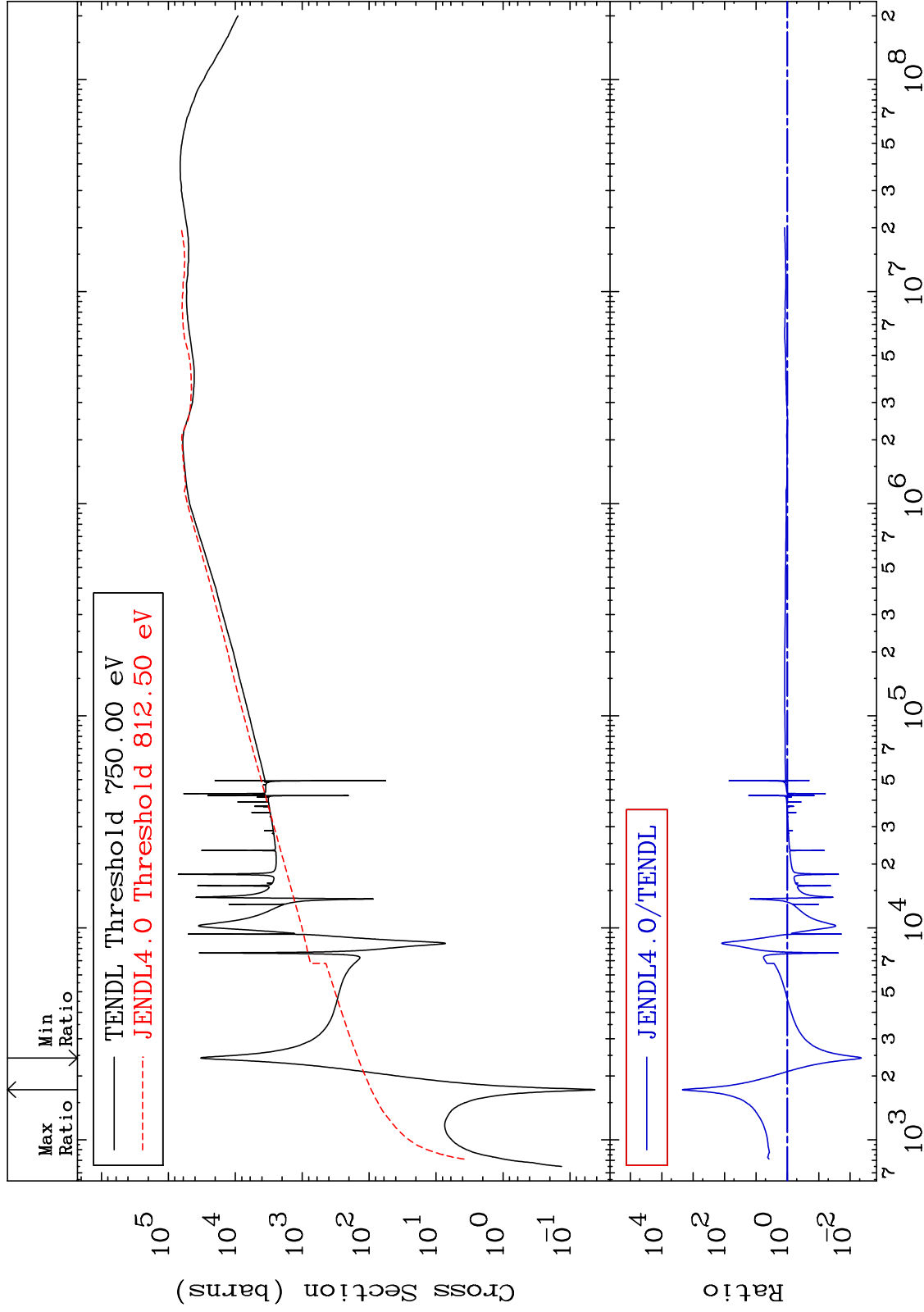
MAT 5067 Dpa total (eV-barns) 50-Sn-126
 Cross Section -99.56 To 9999. %



MAT 5067

Dpa elastic (mt2)
Cross Section

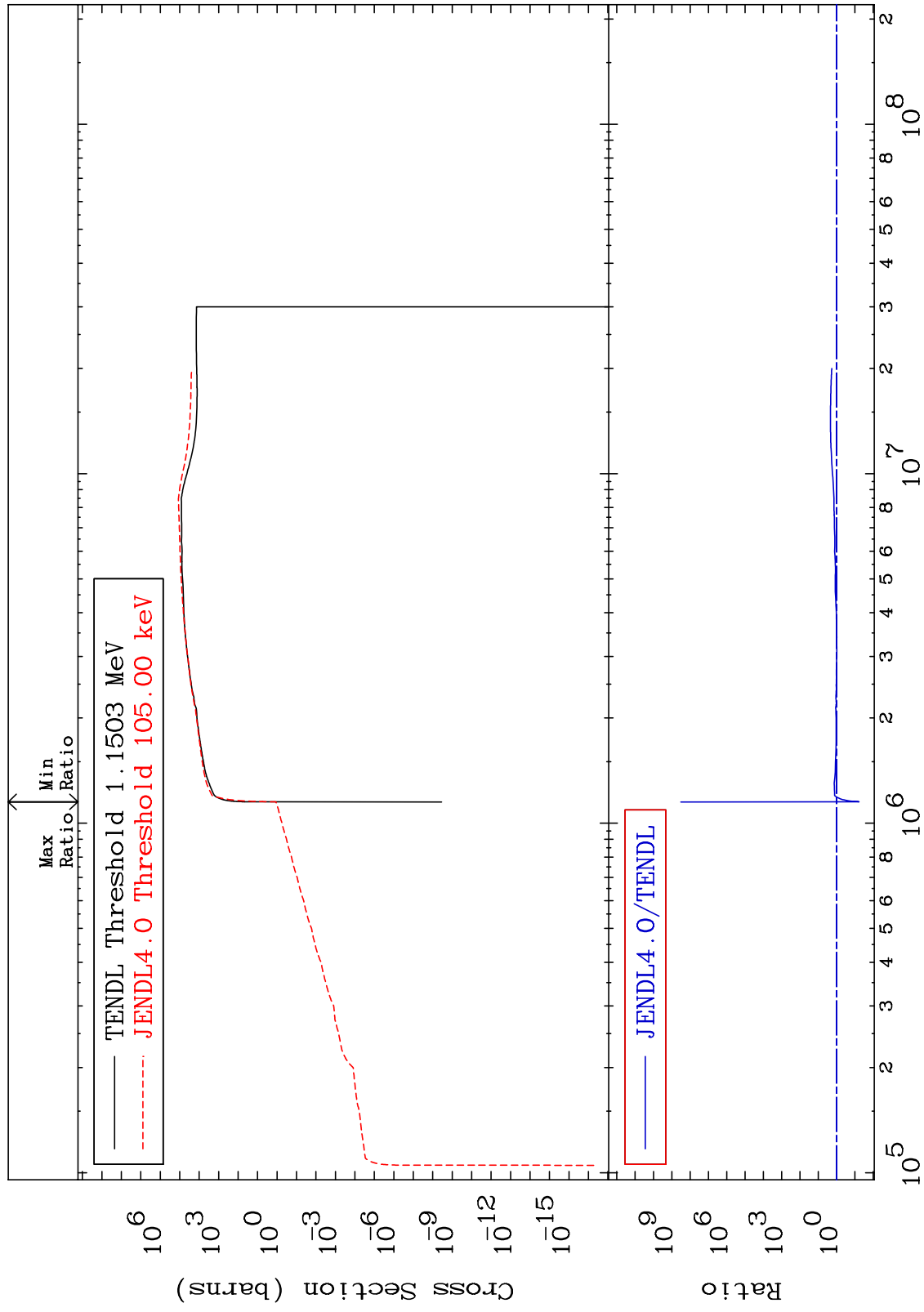
50-Sn-126
-99.56 To 9999. %



MAT 5067

Dpa inelastic (mt51-91)
Cross Section

50-Sn-126
-94.05 To 9999. %



52

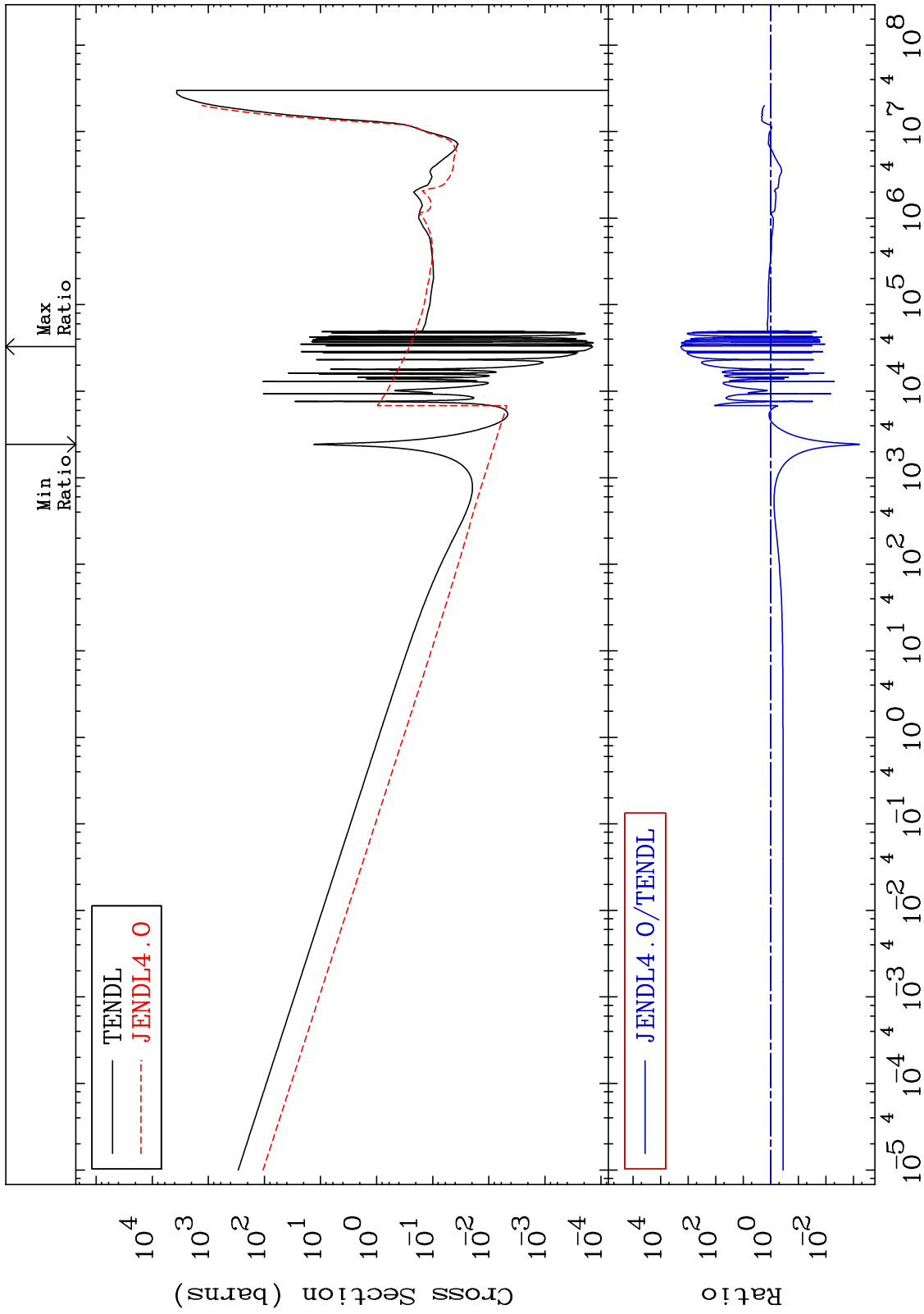
Incident Energy (eV)

50-Sn-126

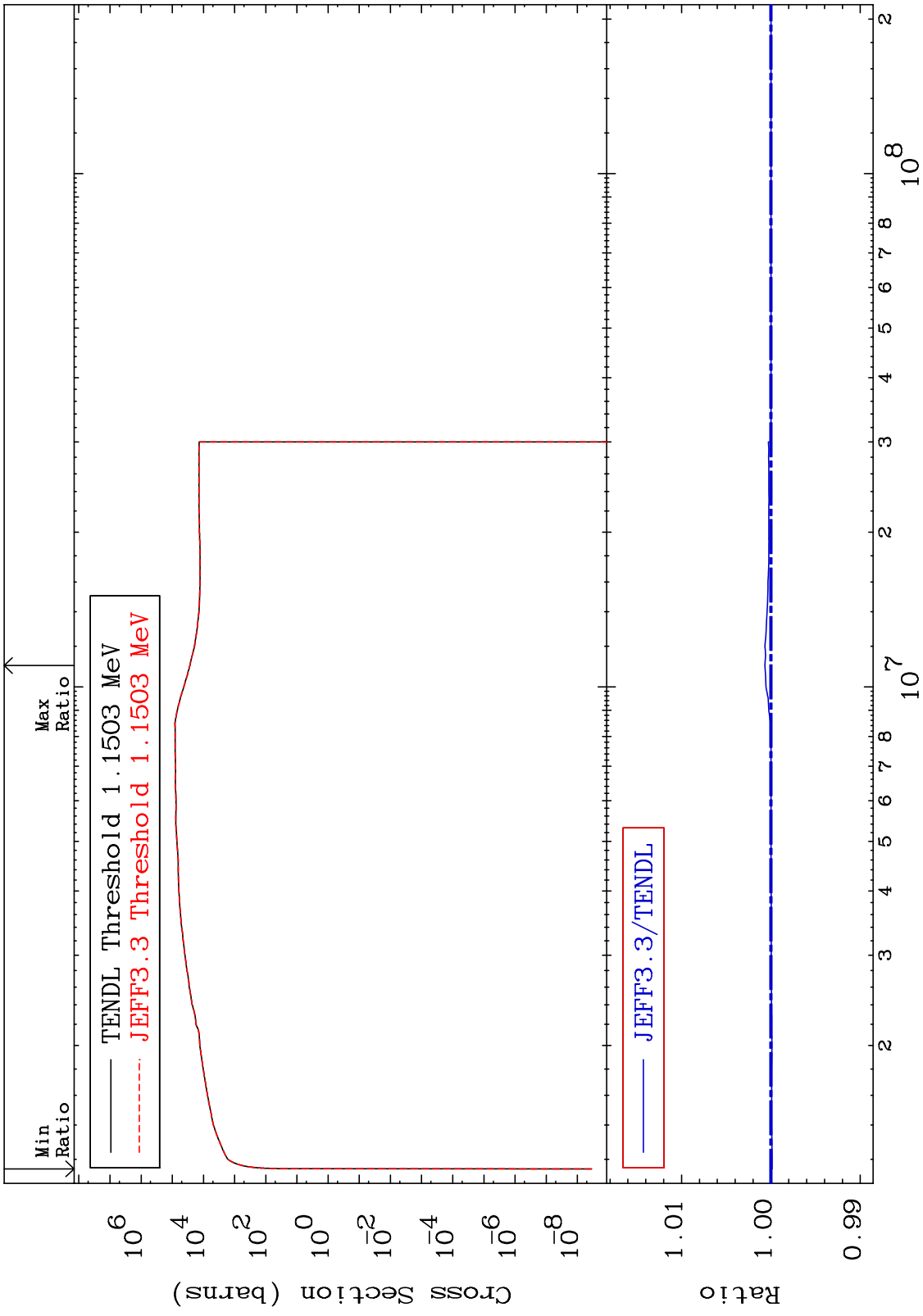
MAT 5067

Dpa disappearance (mt102 -120)
Cross Section

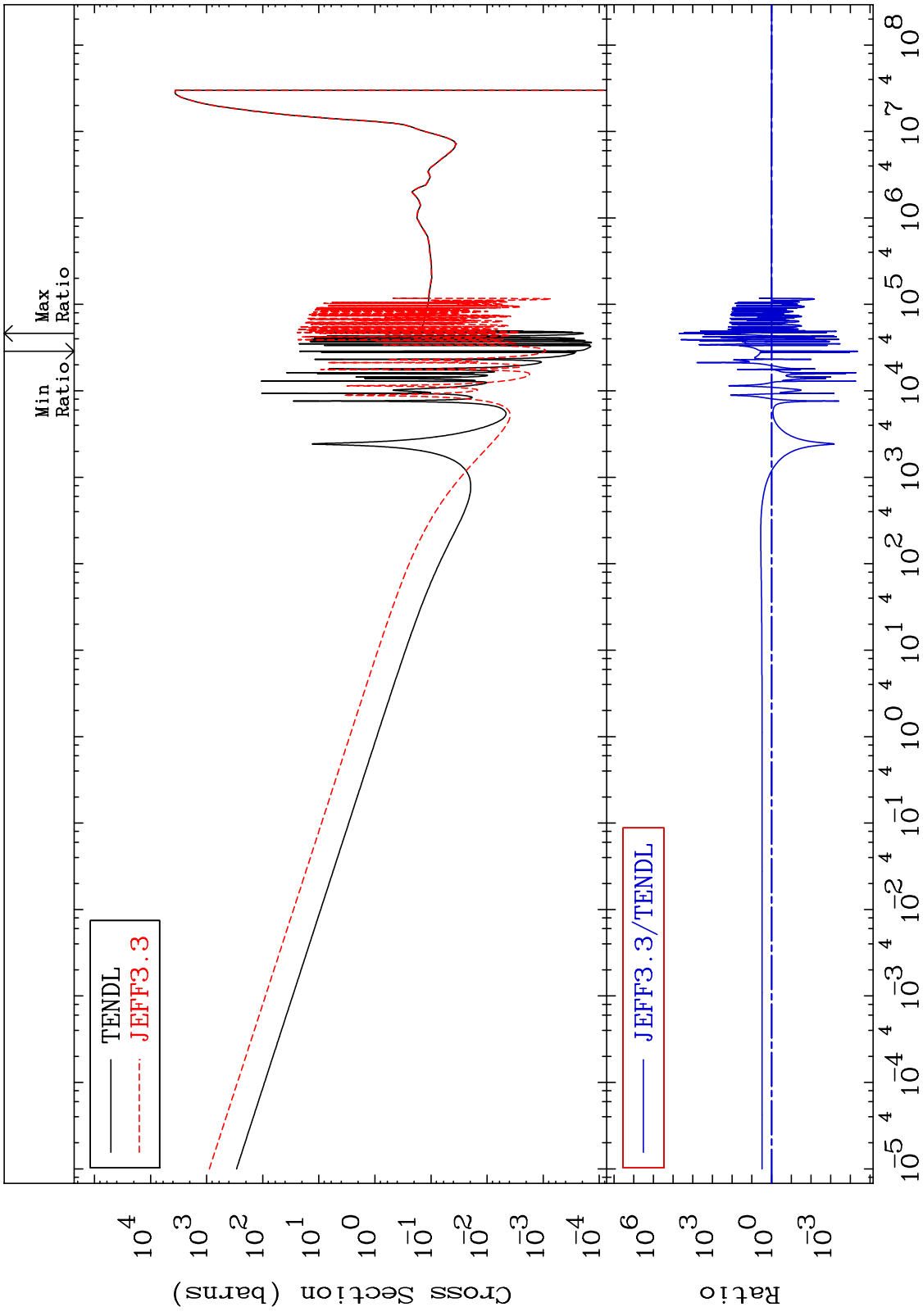
50-Sn-126
-99.94 To 9999. %



MAT 5067 Dpa inelastic (mt51-91) 50-Sn-126
 Cross Section -0.013 To 0.068 %



MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126
 Cross Section -100.0 To 9999. %

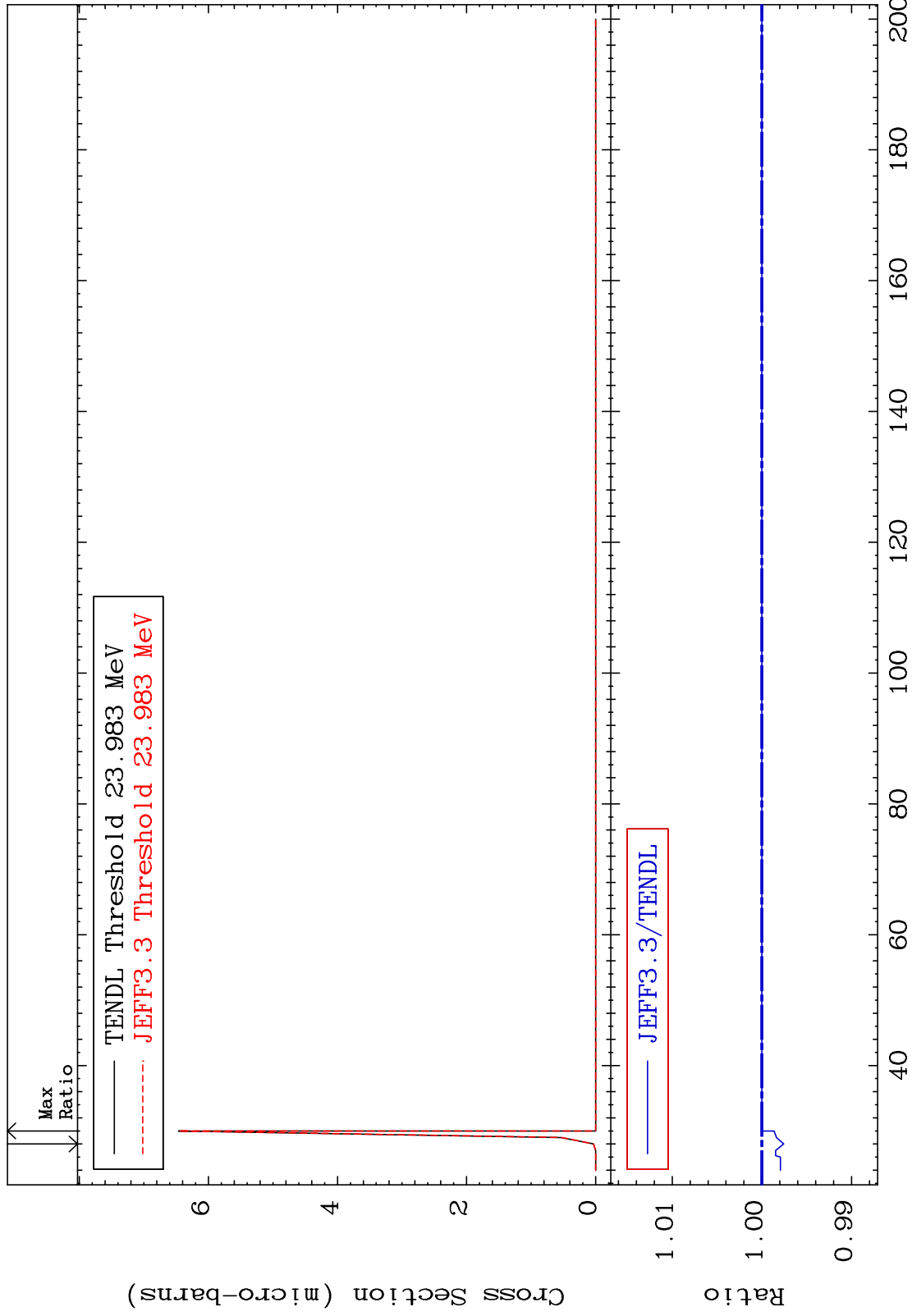


MAT 5067

(n,2n) d:49-In-123g

50-Sn-126

Radionuclide Production Cross Section -0.244 To 0.000 %

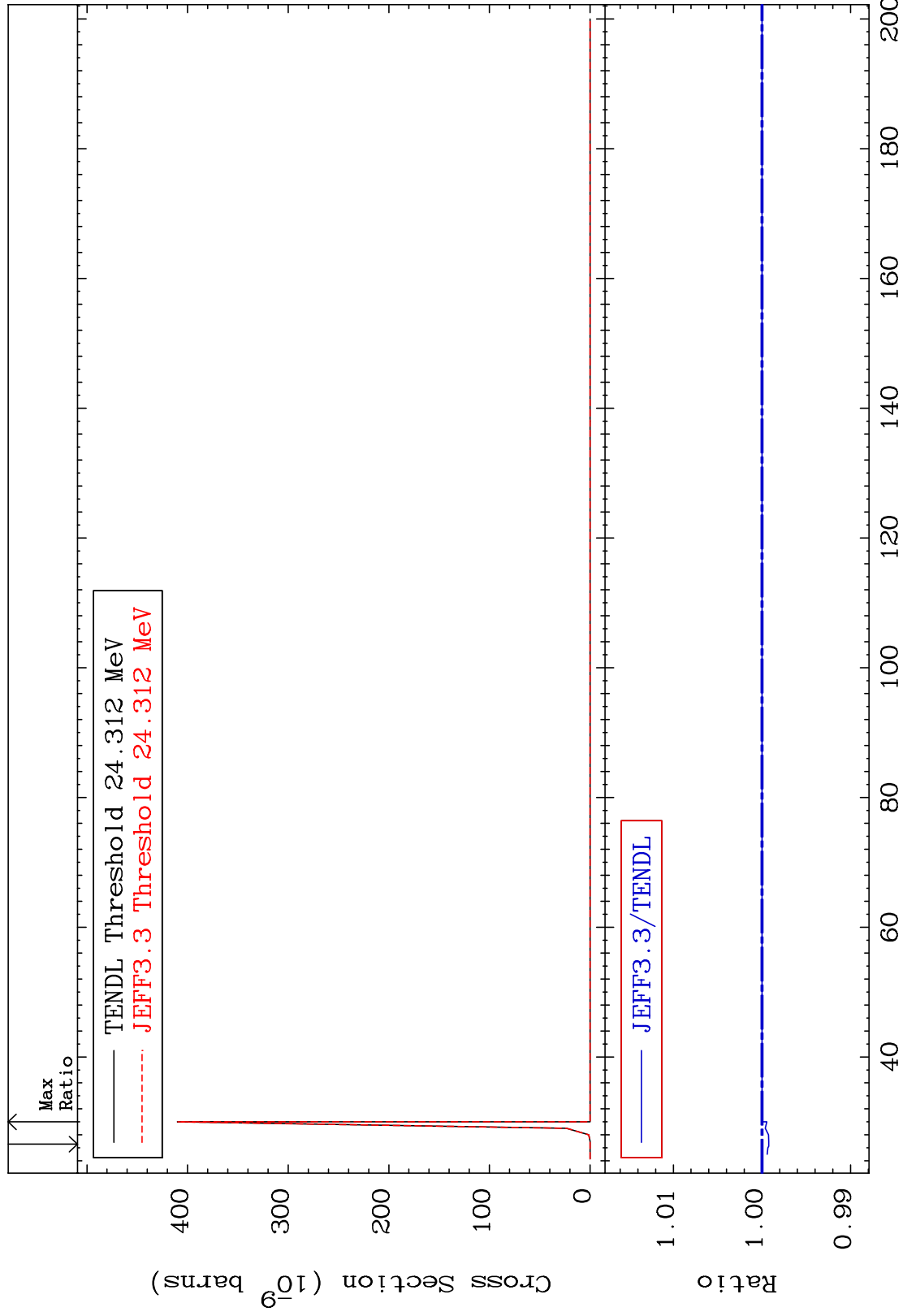


MAT 5067

(n,2n) d:49-In-123m1

50-Sn-126

Radionuclide Production Cross Section -0.076 To 0.000 %

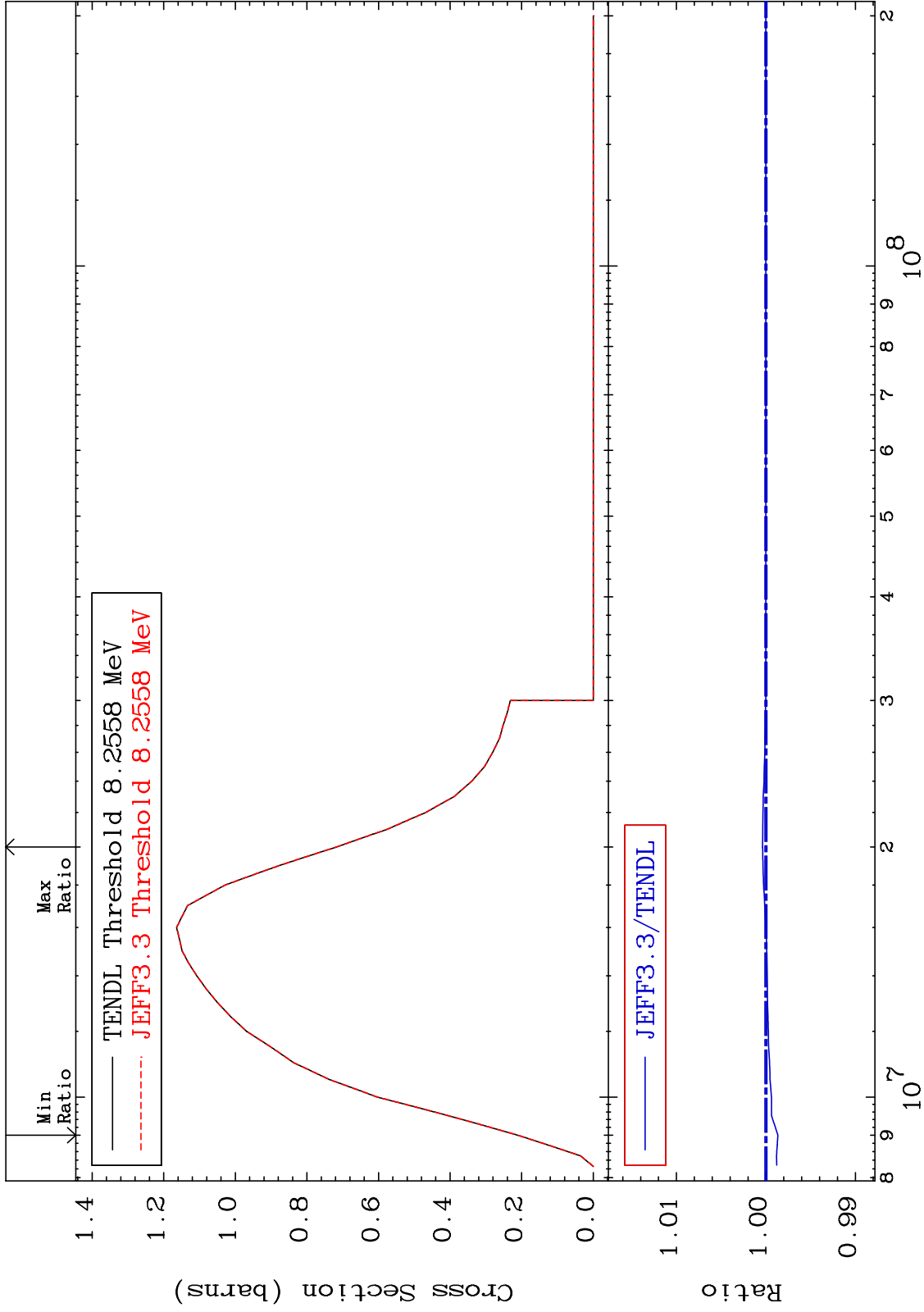


MAT 5067

(n,2n):50-Sn-125g

50-Sn-126

Radionuclide Production Cross Section -0.134 To 0.037 %



58

Incident Energy (eV)

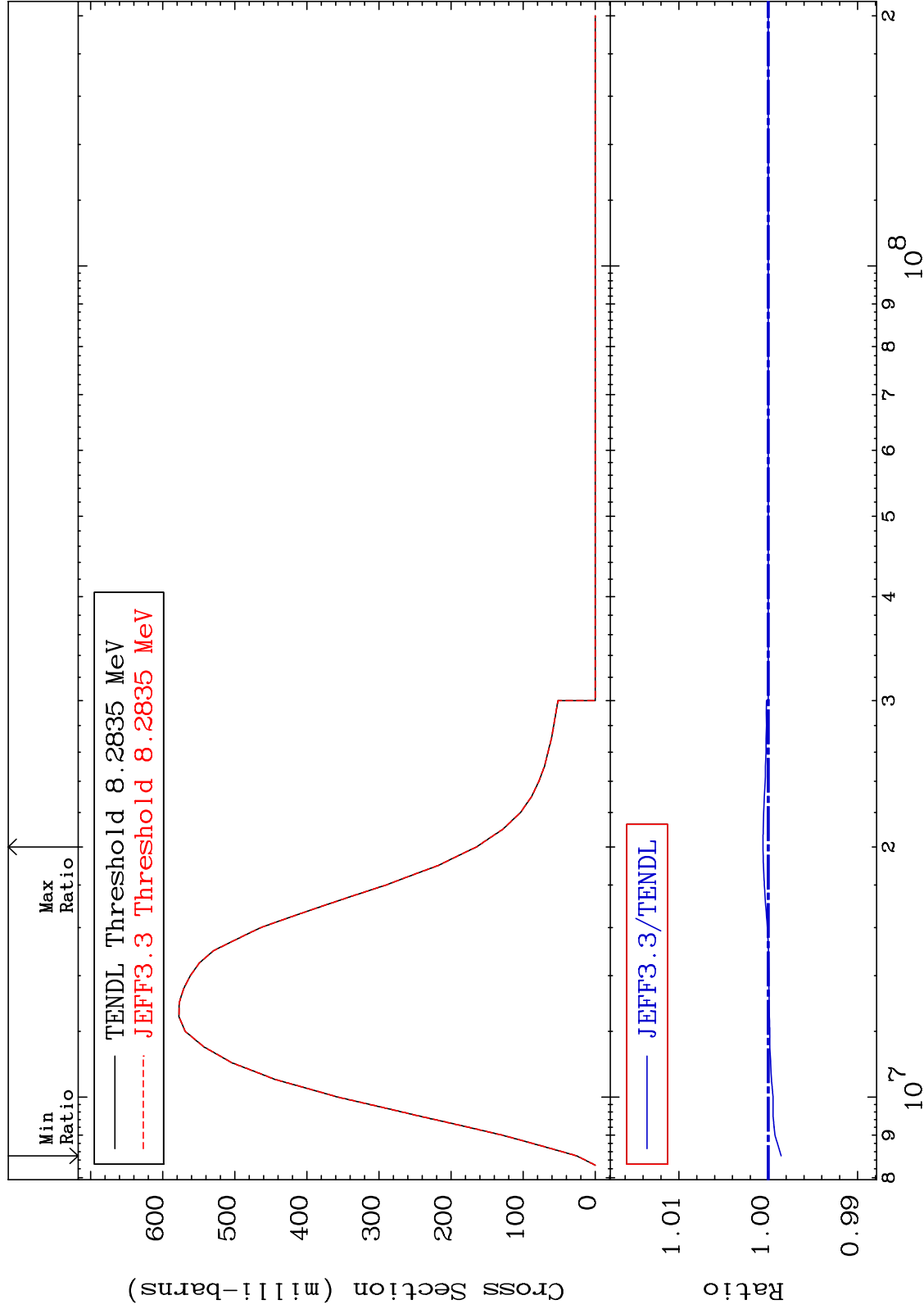
50-Sn-126

MAT 5067

(n,2n):50-Sn-125m1

50-Sn-126

Radionuclide Production Cross Section -0.144 To 0.060 %

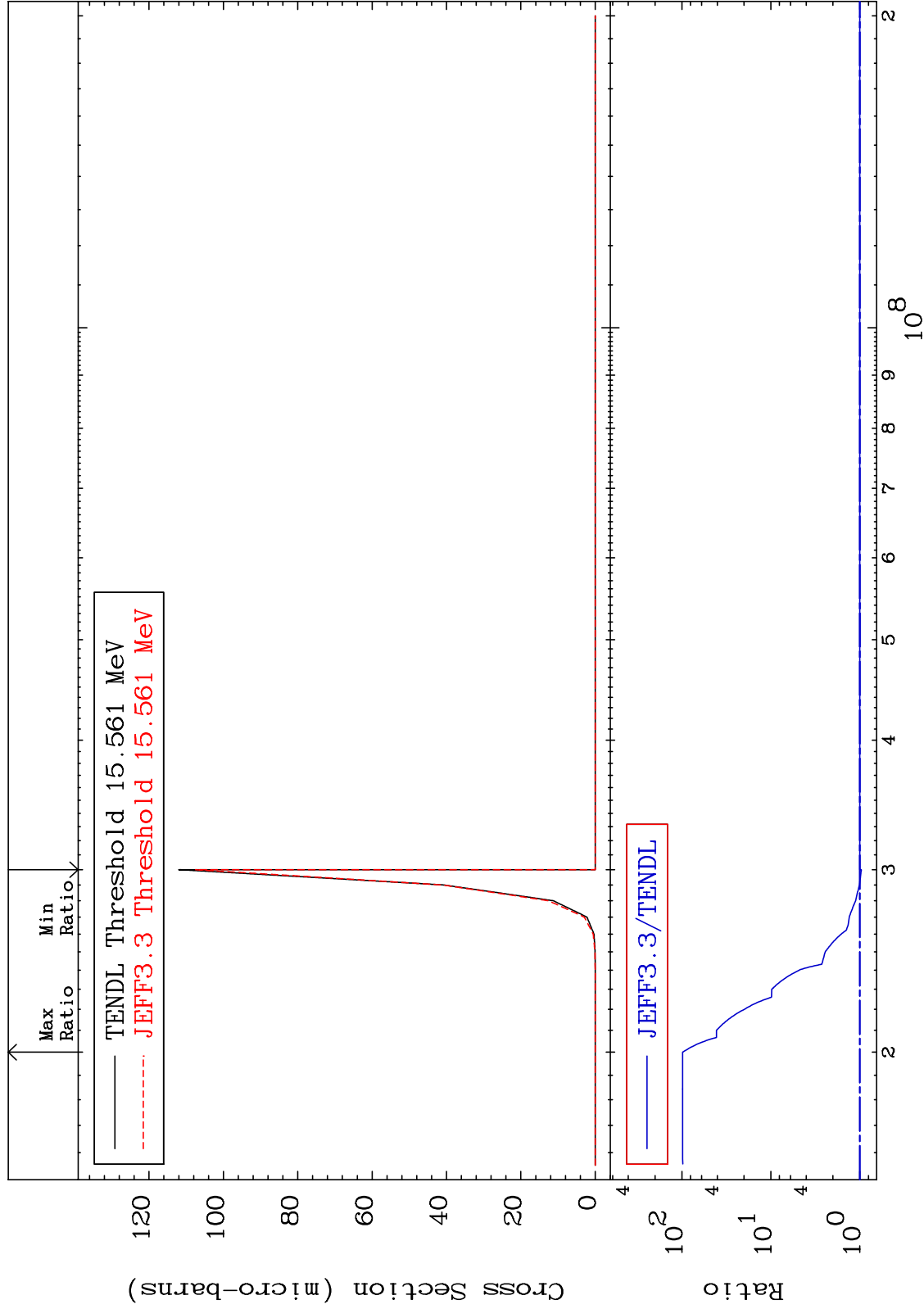


MAT 5067

(n,2n) α :48-Cd-121g

50-Sn-126

Radionuclide Production Cross Section -3.966 To 9689. %

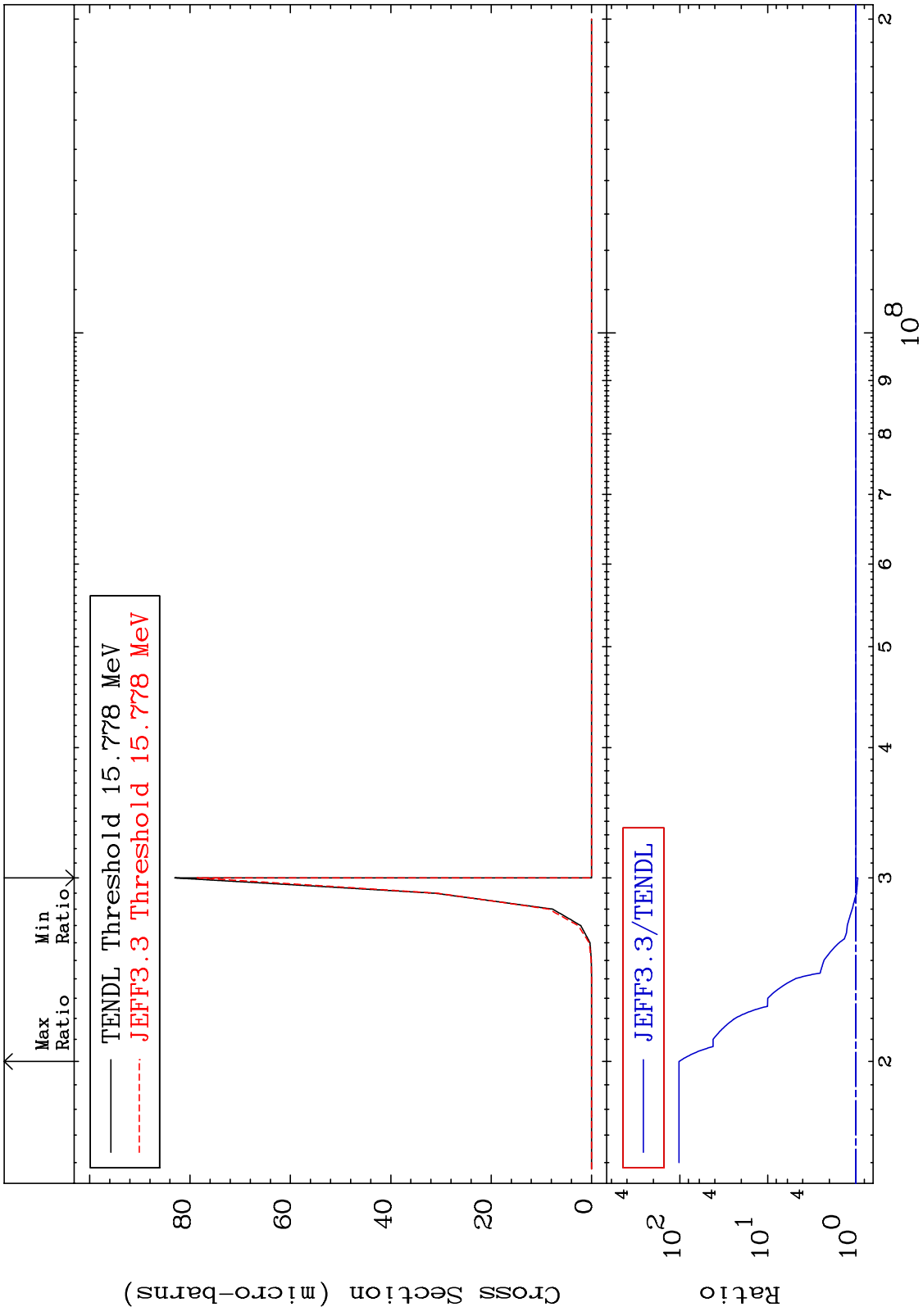


60

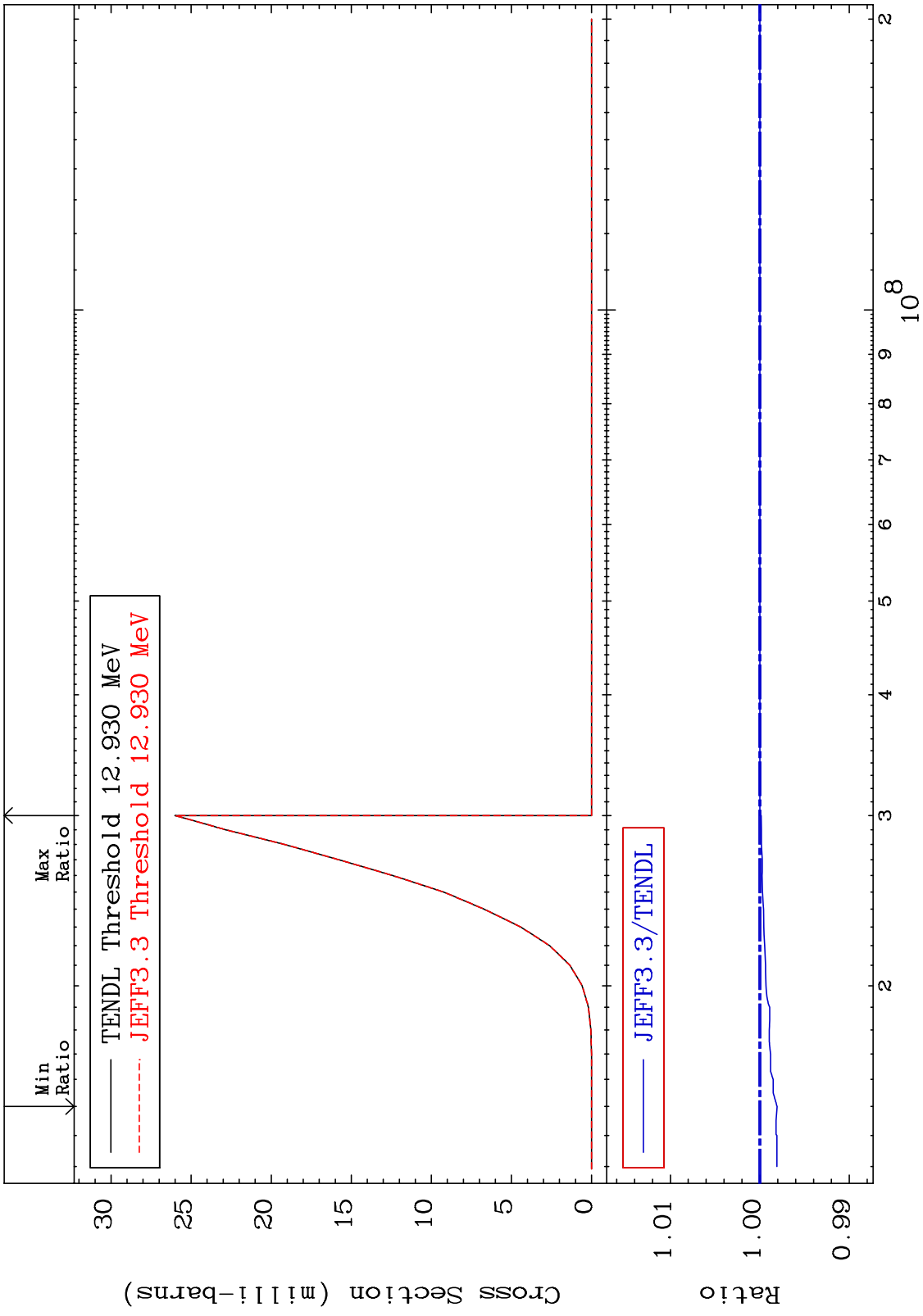
Incident Energy (eV)

50-Sn-126

MAT 5067 (n,2n) α : 48-Cd-121m2 50-Sn-126
 Radionuclide Production Cross Section -5.331 To 9999. %



MAT 5067 (n, n') p:49-In-125g 50-Sn-126
 Radionuclide Production Cross Section -0.192 To 0.000 %

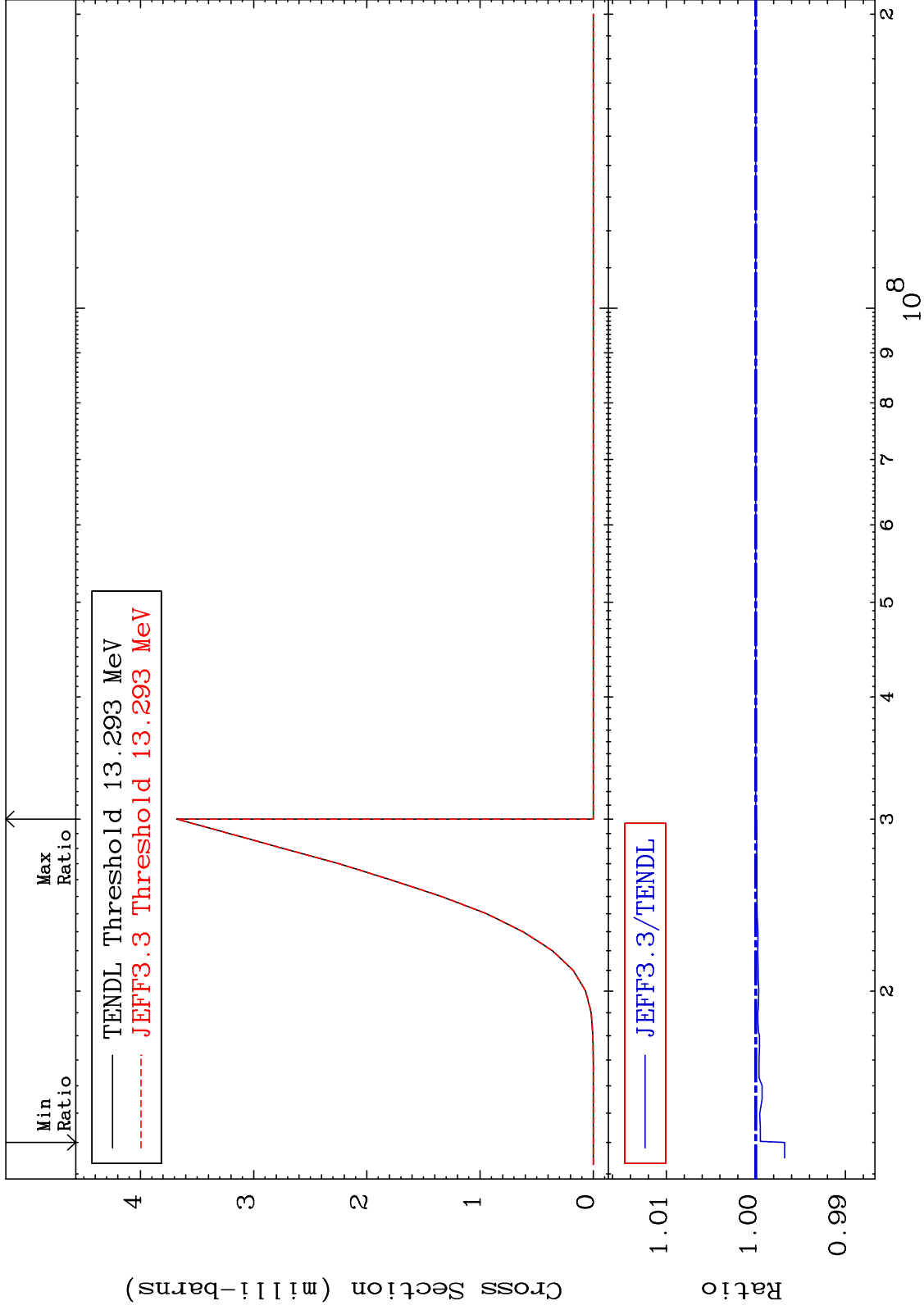


MAT 5067

(n,n') p:49-In-125m1

50-Sn-126

Radionuclide Production Cross Section -0.322 To 0.000 %

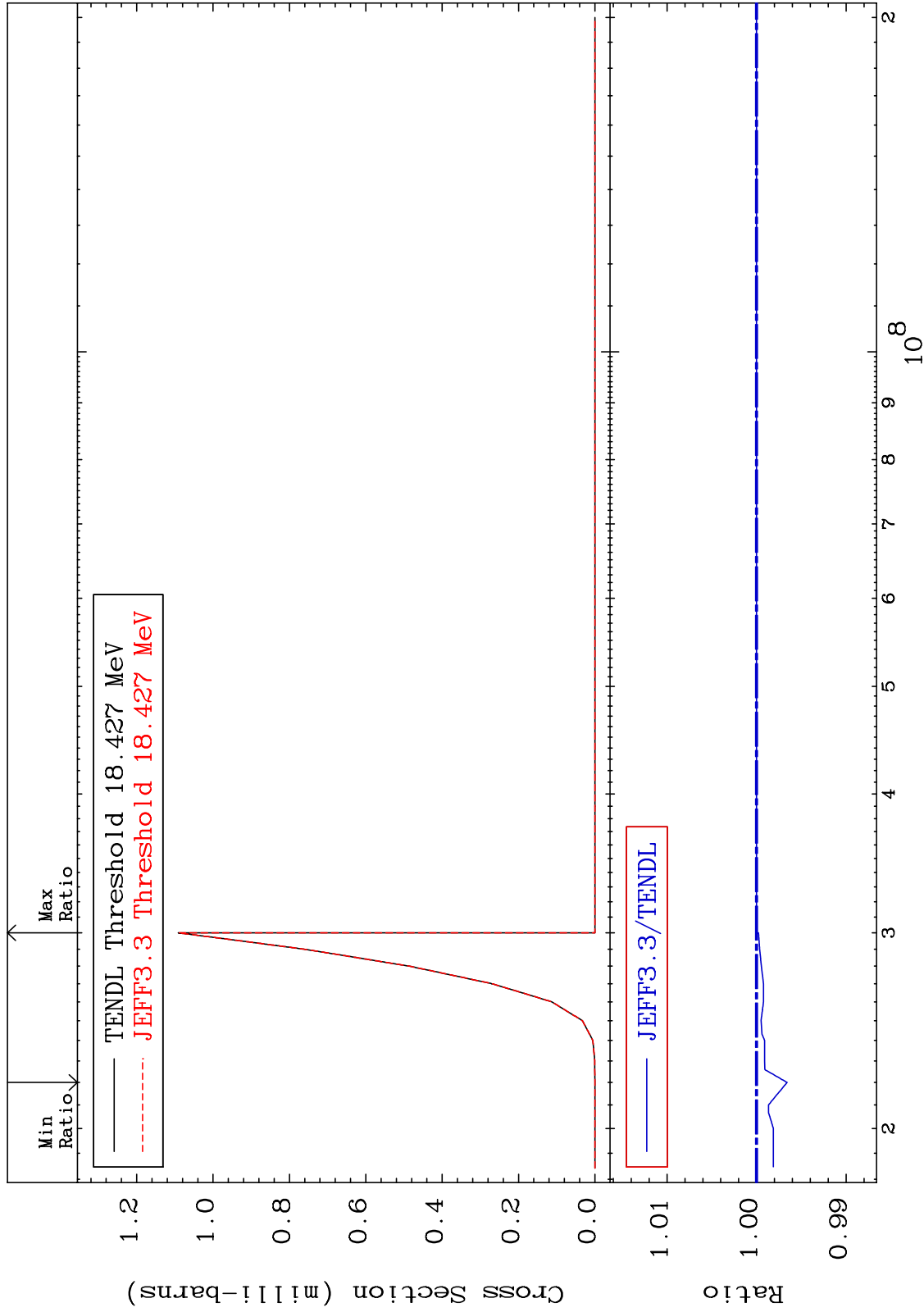


MAT 5067

(n, n') d:49-In-124g

50-Sn-126

Radionuclide Production Cross Section -0.341 To 0.000 %

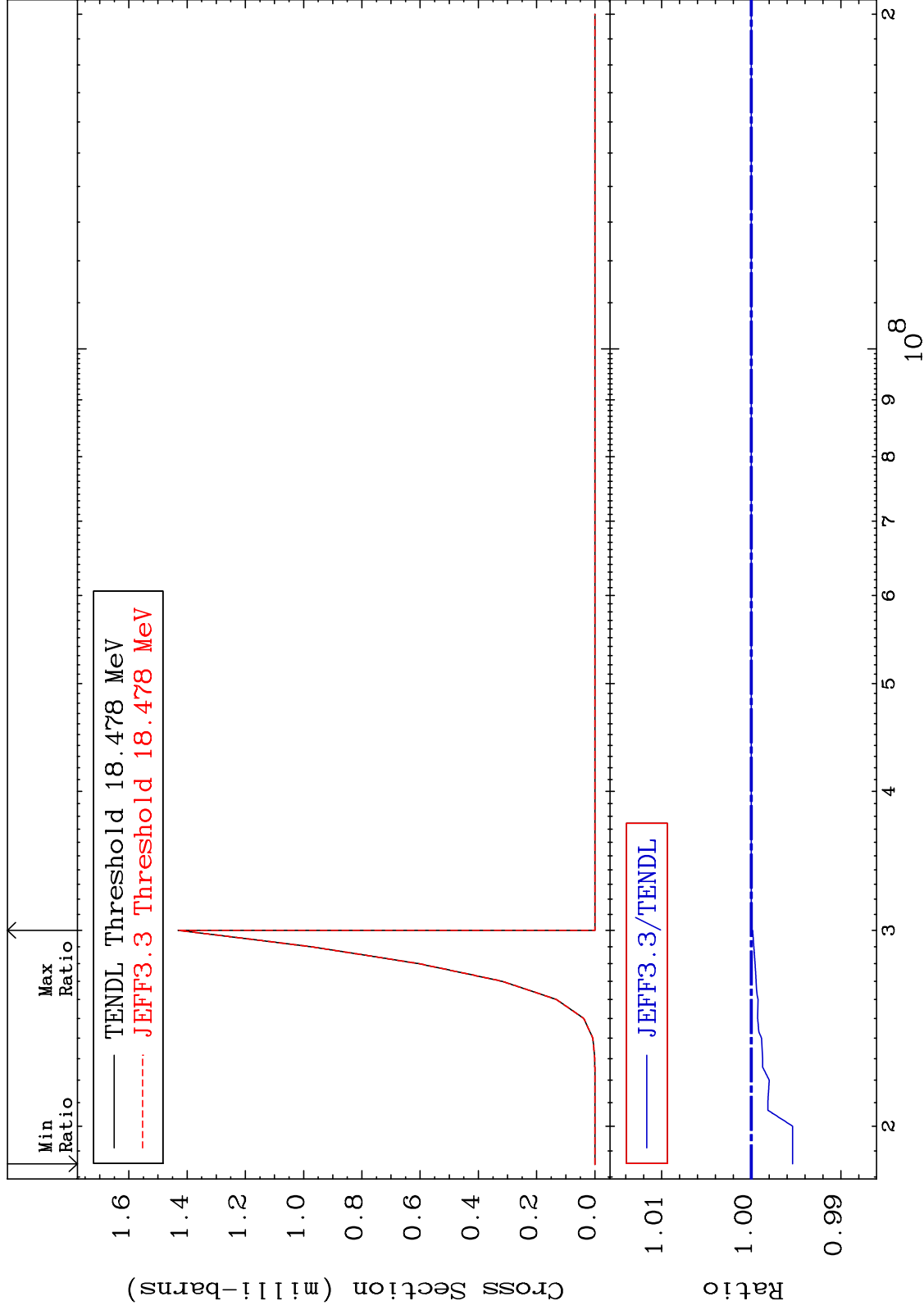


MAT 5067

(n, n') d:49-In-124m2

50-Sn-126

Radionuclide Production Cross Section -0.461 To 0.000 %

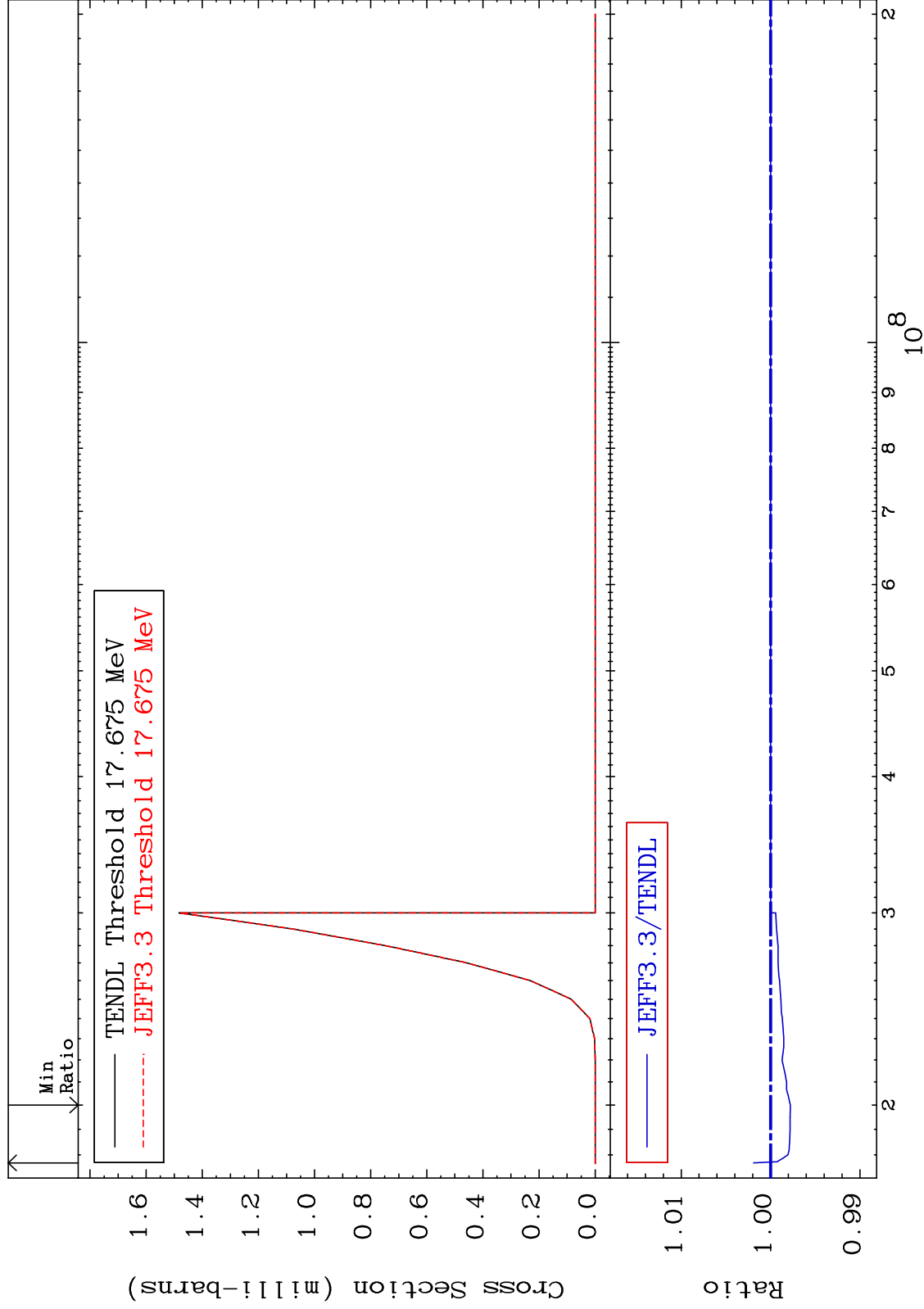


MAT 5067

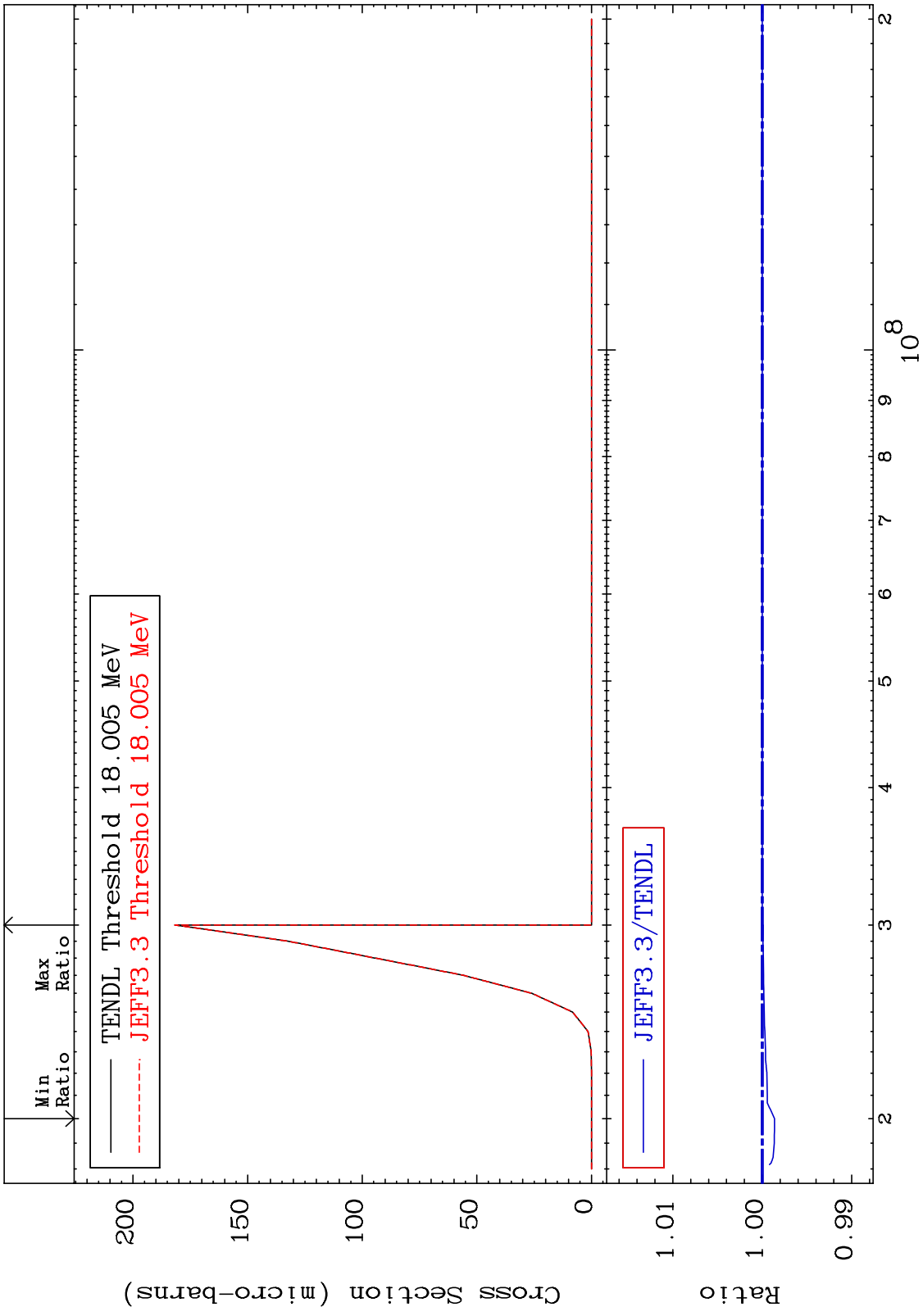
(n, n') t:49-In-123g

50-Sn-126

Radionuclide Production Cross Section -0.221 To 0.189 %



MAT 5067 (n,n') t:49-In-123m1 50-Sn-126
 Radionuclide Production Cross Section -0.138 To 0.000 %



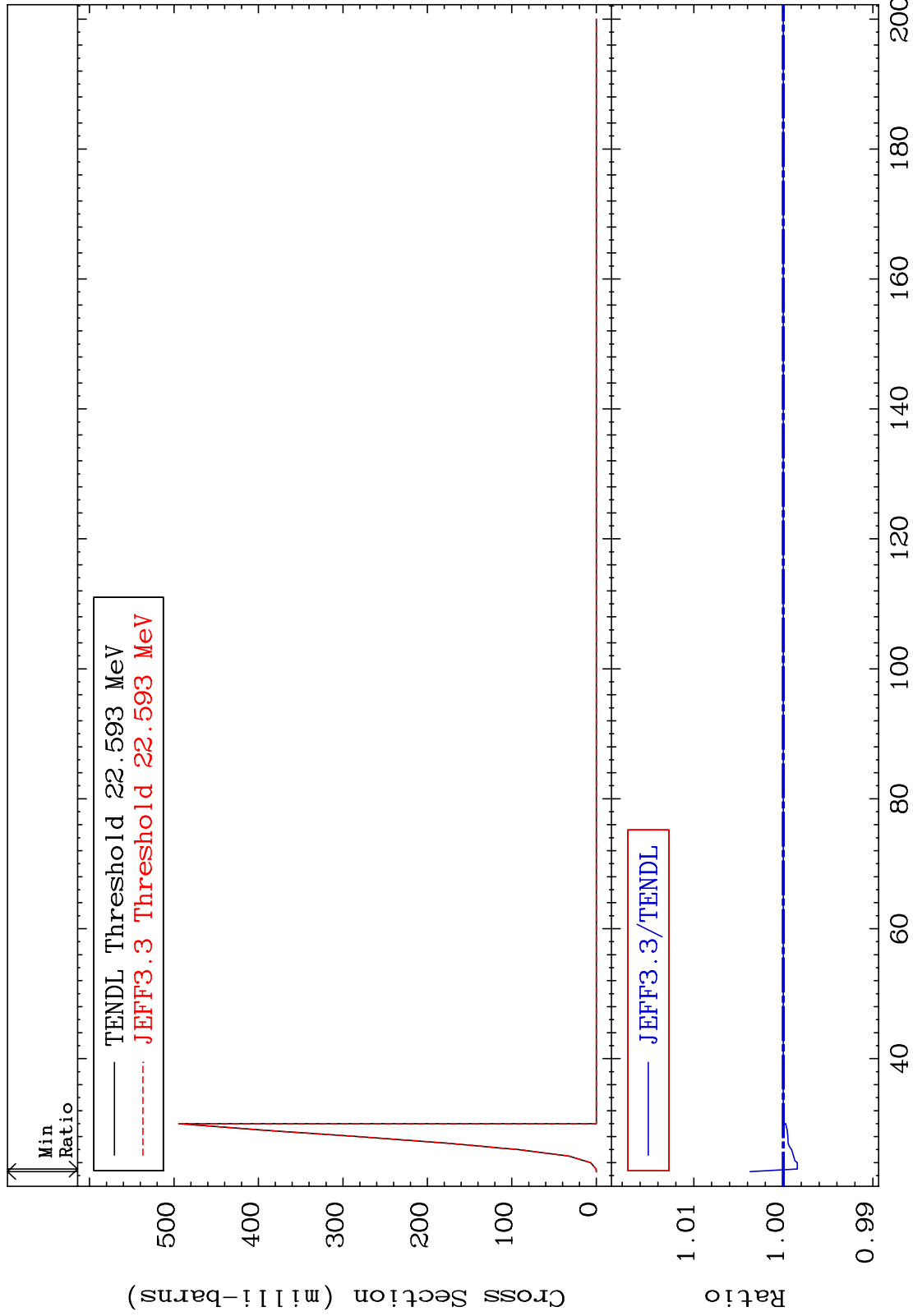
67 Incident Energy (eV) 50-Sn-126

MAT 5067

(n,4n):50-Sn-123g

50-Sn-126

Radionuclide Production Cross Section -0.157 To 0.372 %



68

Incident Energy (MeV)

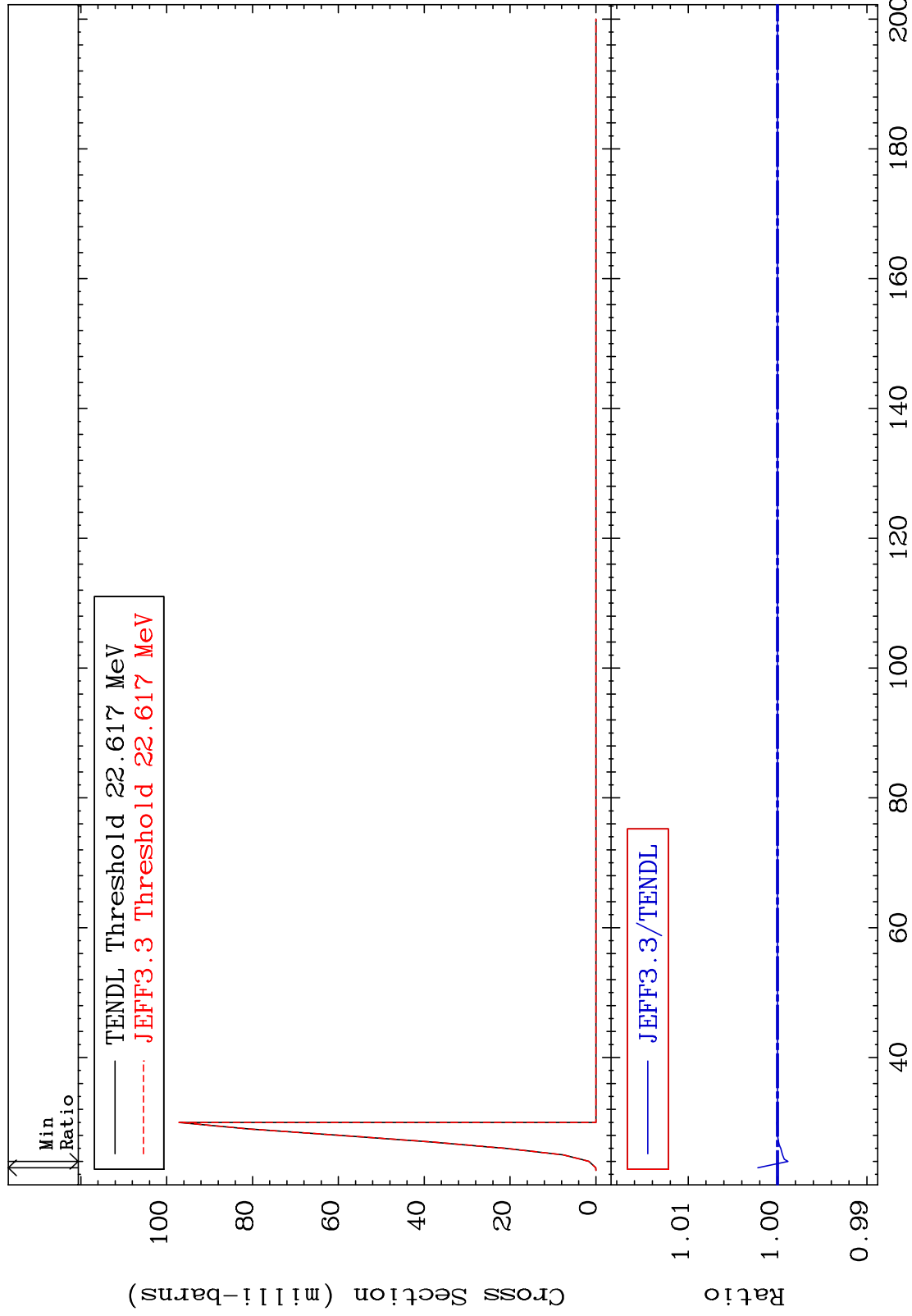
50-Sn-126

MAT 5067

(n,4n):50-Sn-123m1

50-Sn-126

Radionuclide Production Cross Section -0.117 To 0.220 %

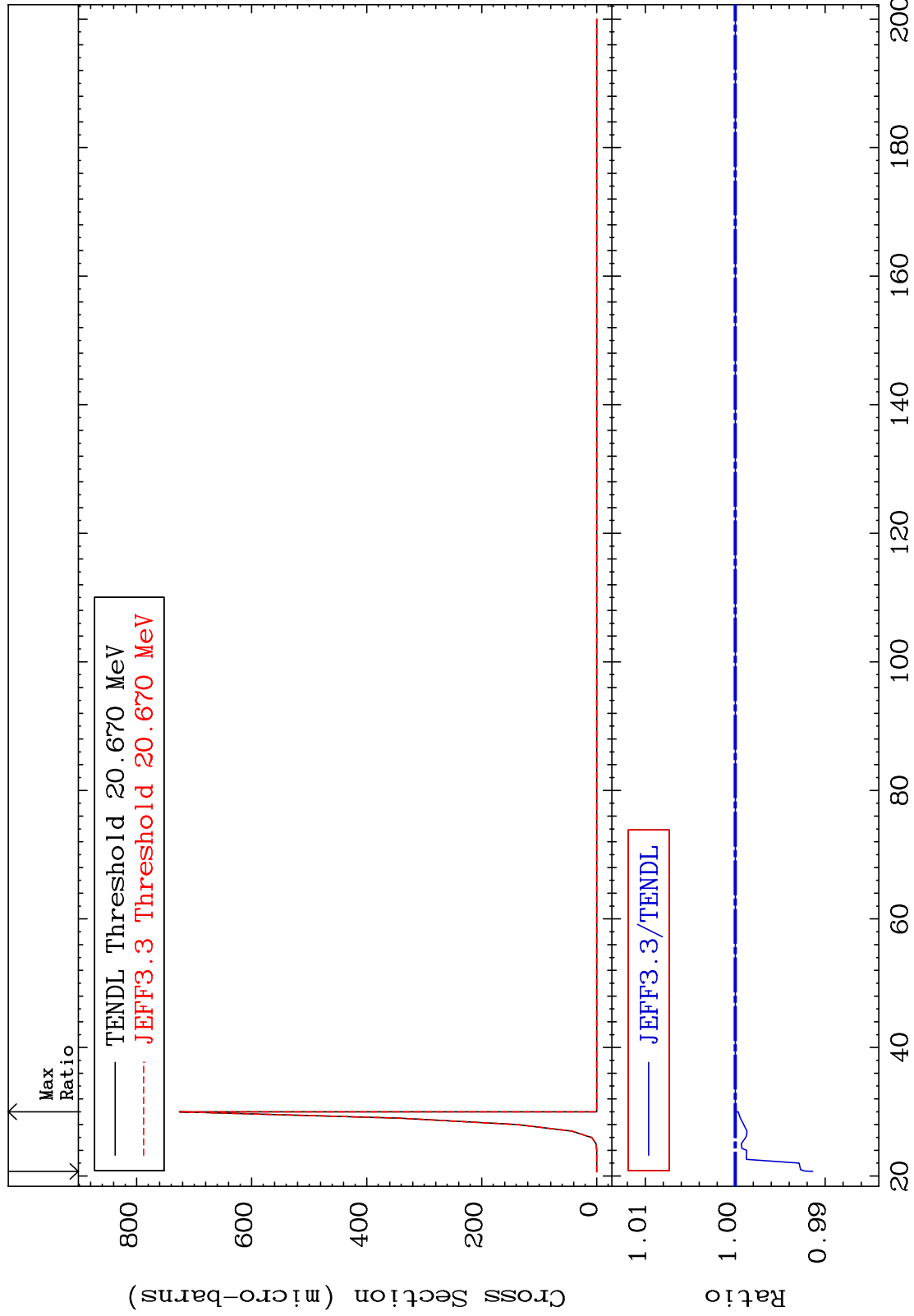


MAT 5067

(n,2n) p:49-In-124g

50-Sn-126

Radionuclide Production Cross Section -0.861 To 0.000 %



70

Incident Energy (MeV)

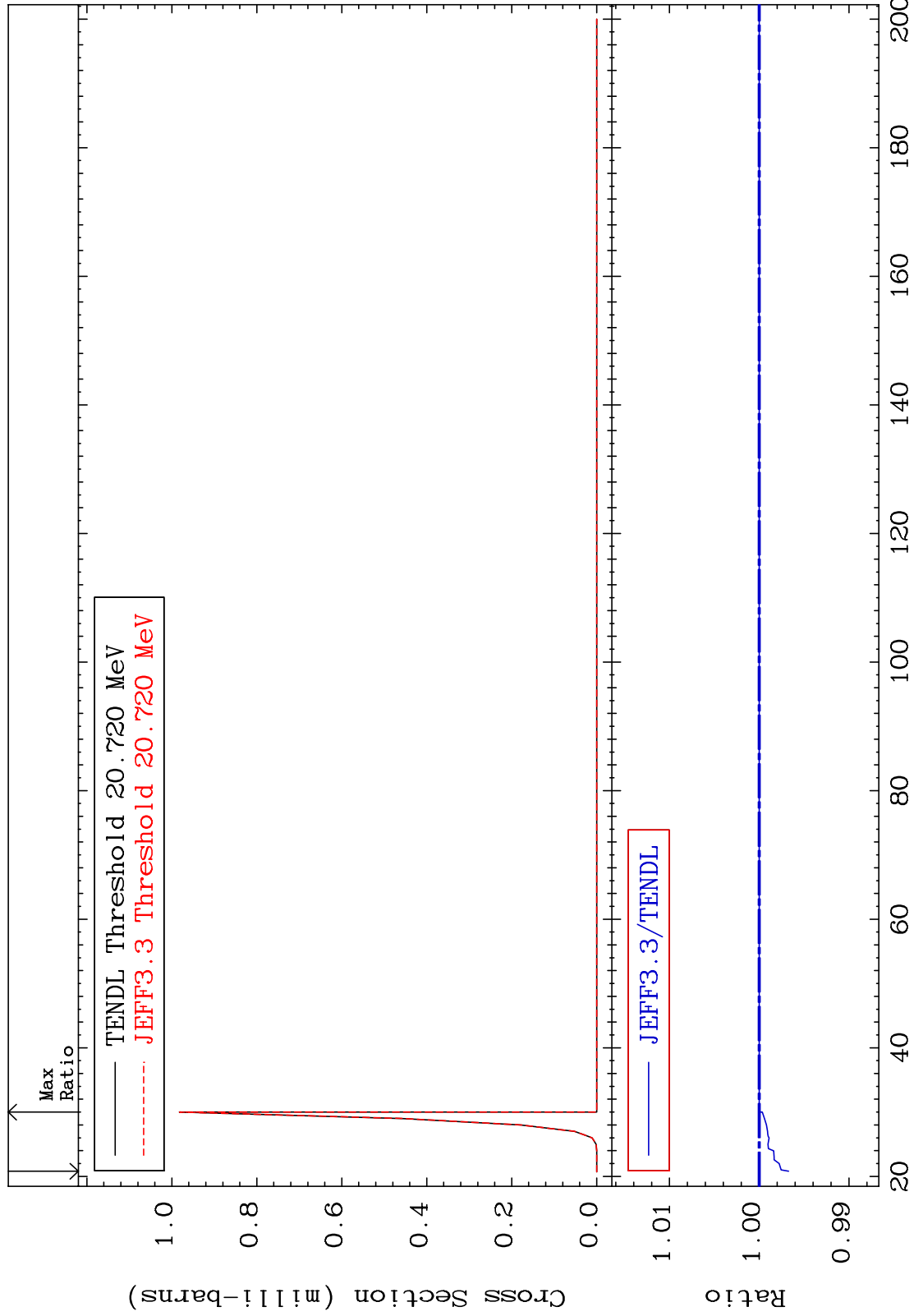
50-Sn-126

MAT 5067

(n,2n) p:49-In-124m2

50-Sn-126

Radionuclide Production Cross Section -0.328 To 0.000 %

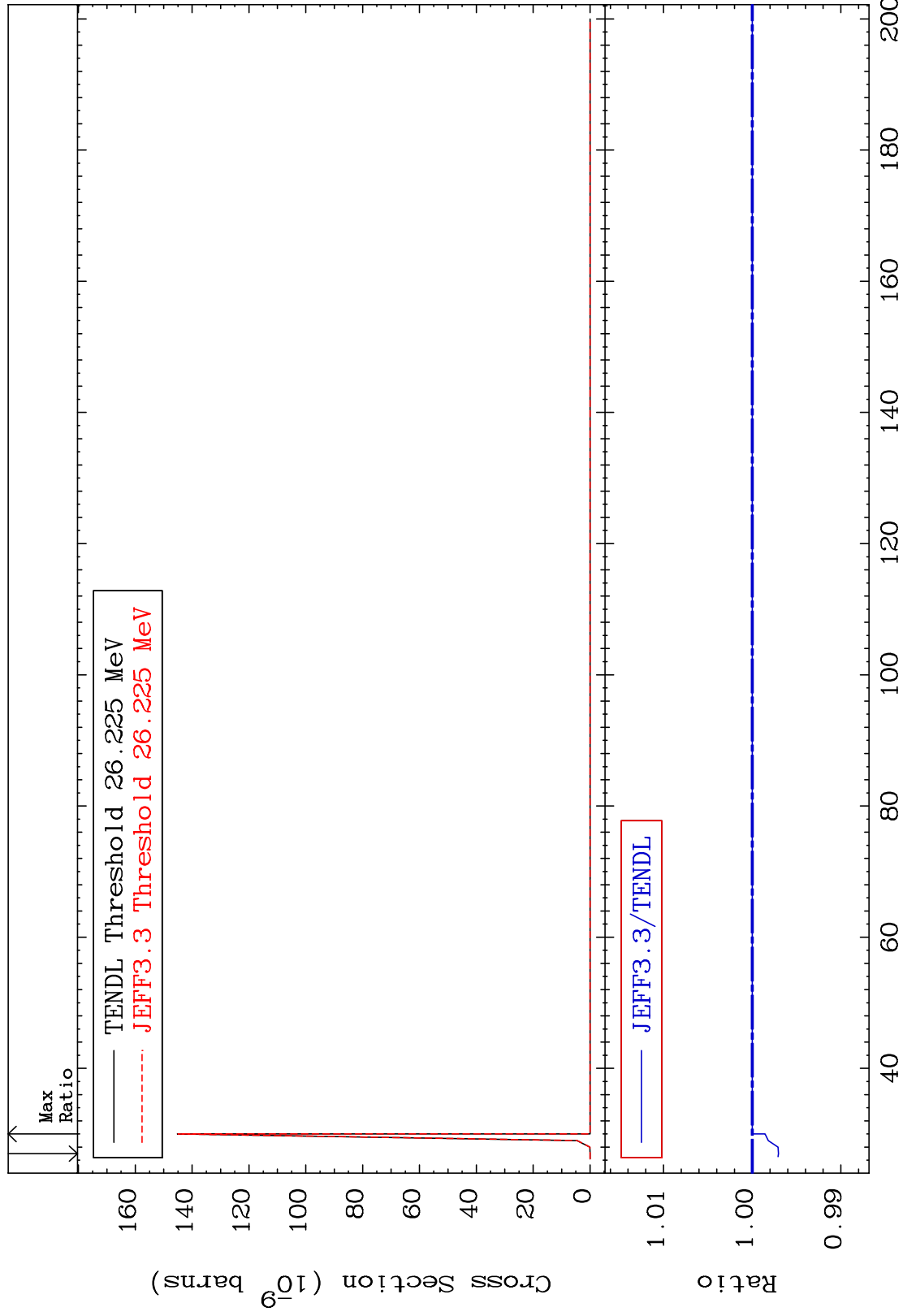


MAT 5067

(n,3n) p:49-In-123g

50-Sn-126

Radionuclide Production Cross Section -0.295 To 0.000 %



72

Incident Energy (MeV)

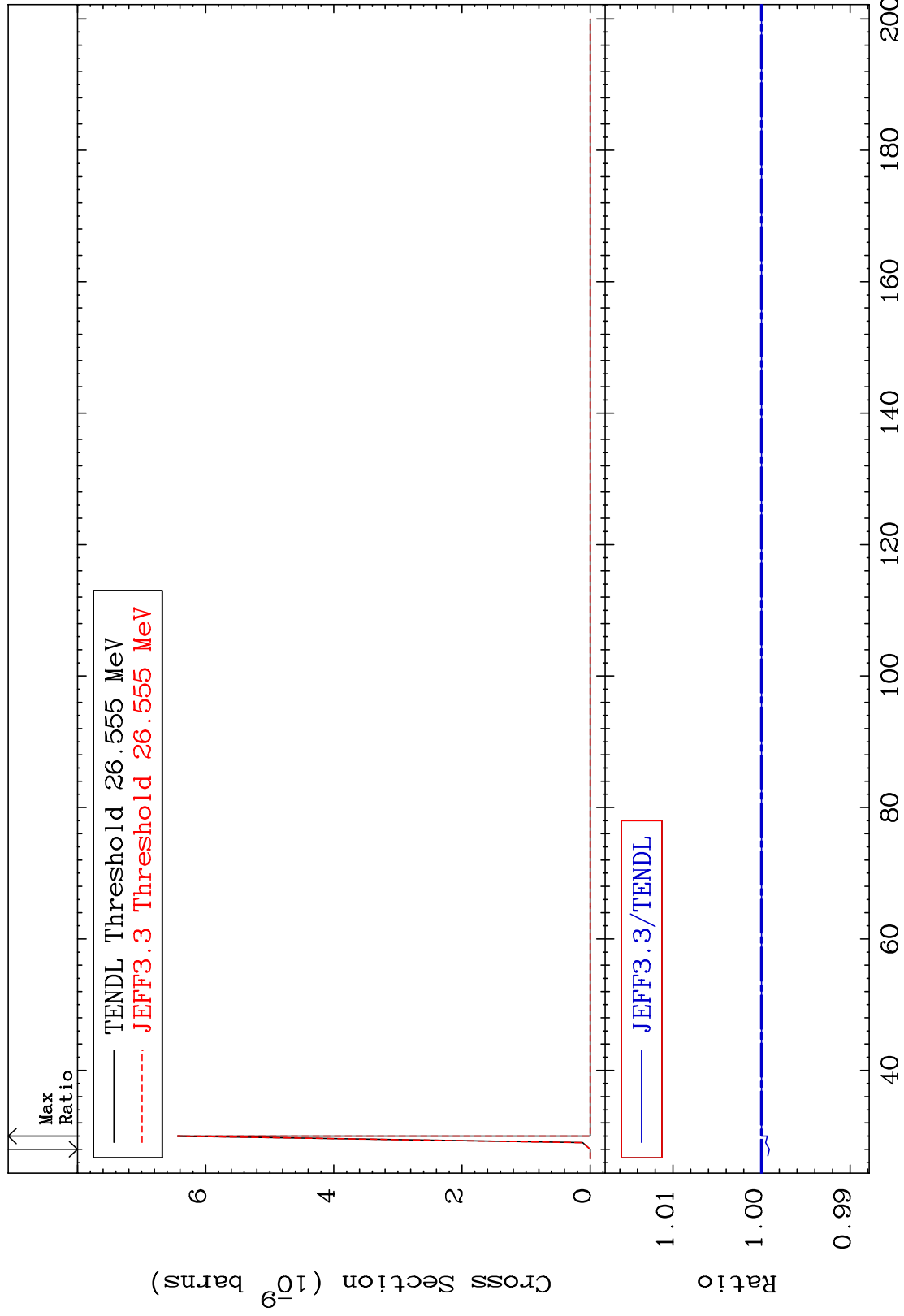
50-Sn-126

MAT 5067

(n,3n) p:49-In-123m1

50-Sn-126

Radionuclide Production Cross Section -0.088 To 0.000 %



73

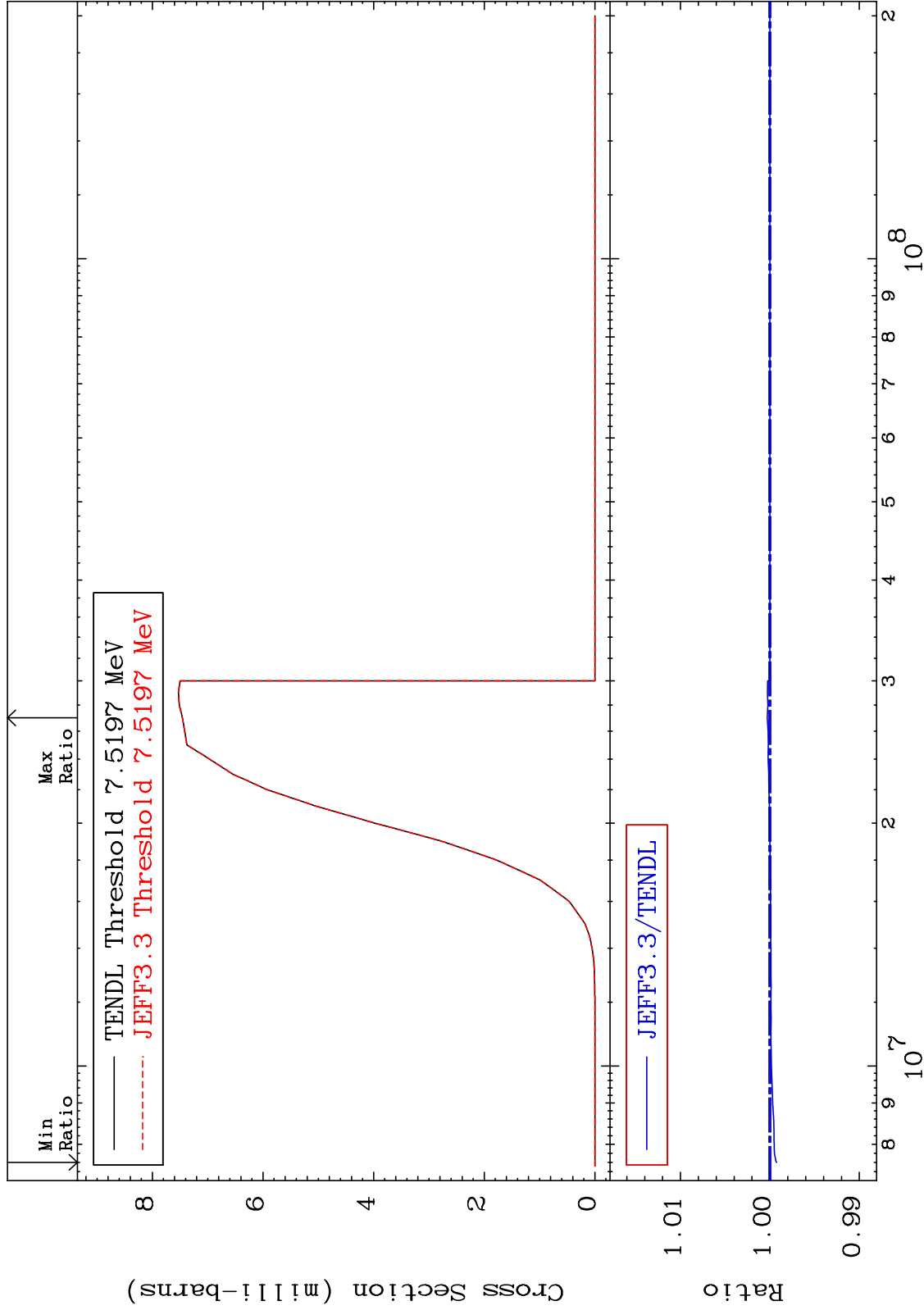
50-Sn-126

MAT 5067

(n,p) : 49-In-126g

50-Sn-126

Radionuclide Production Cross Section -0.075 To 0.031 %



74

Incident Energy (eV)

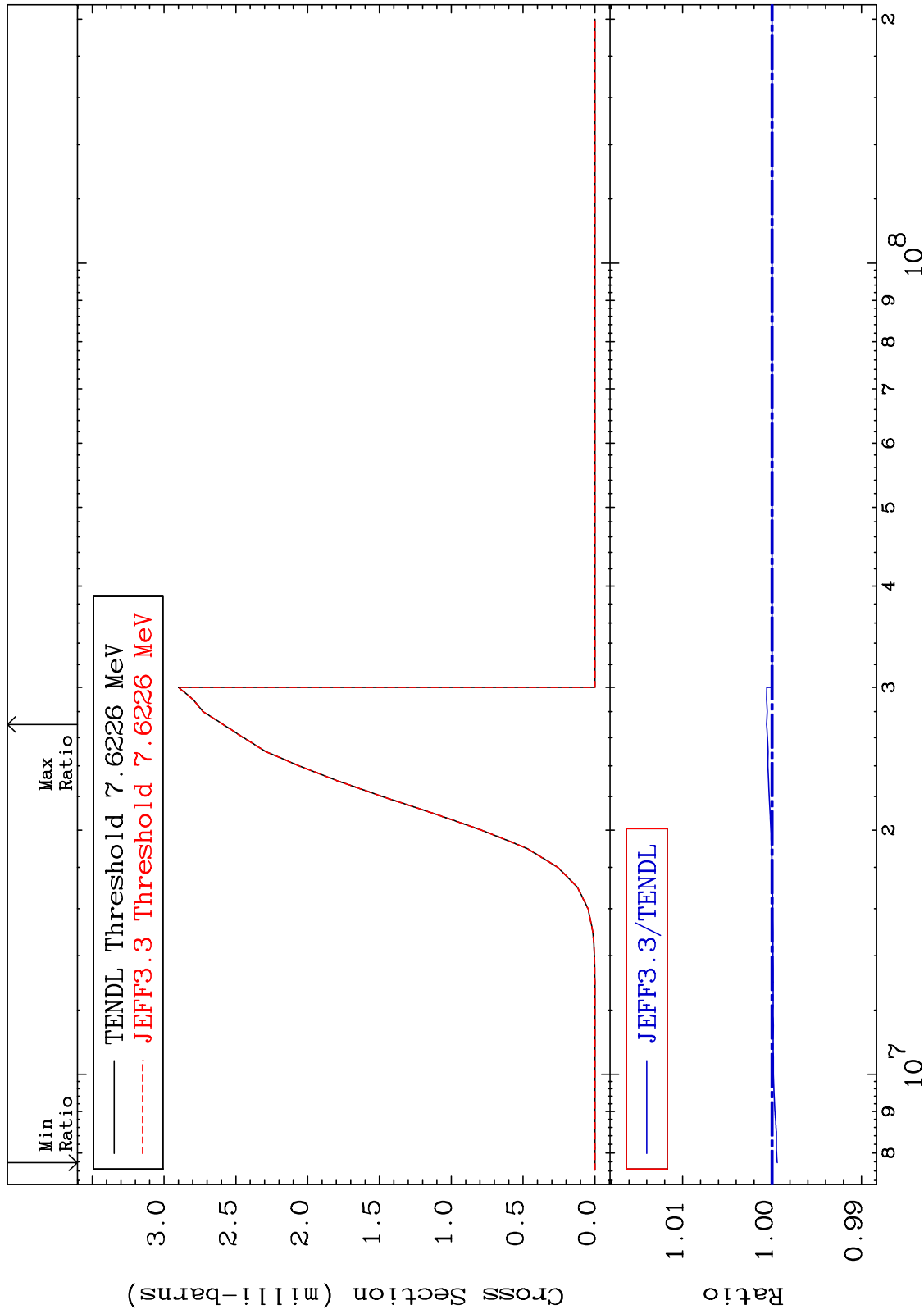
50-Sn-126

MAT 5067

(n, p) : 49-In-126m1

50-Sn-126

Radionuclide Production Cross Section -0.058 To 0.062 %



75

Incident Energy (eV)

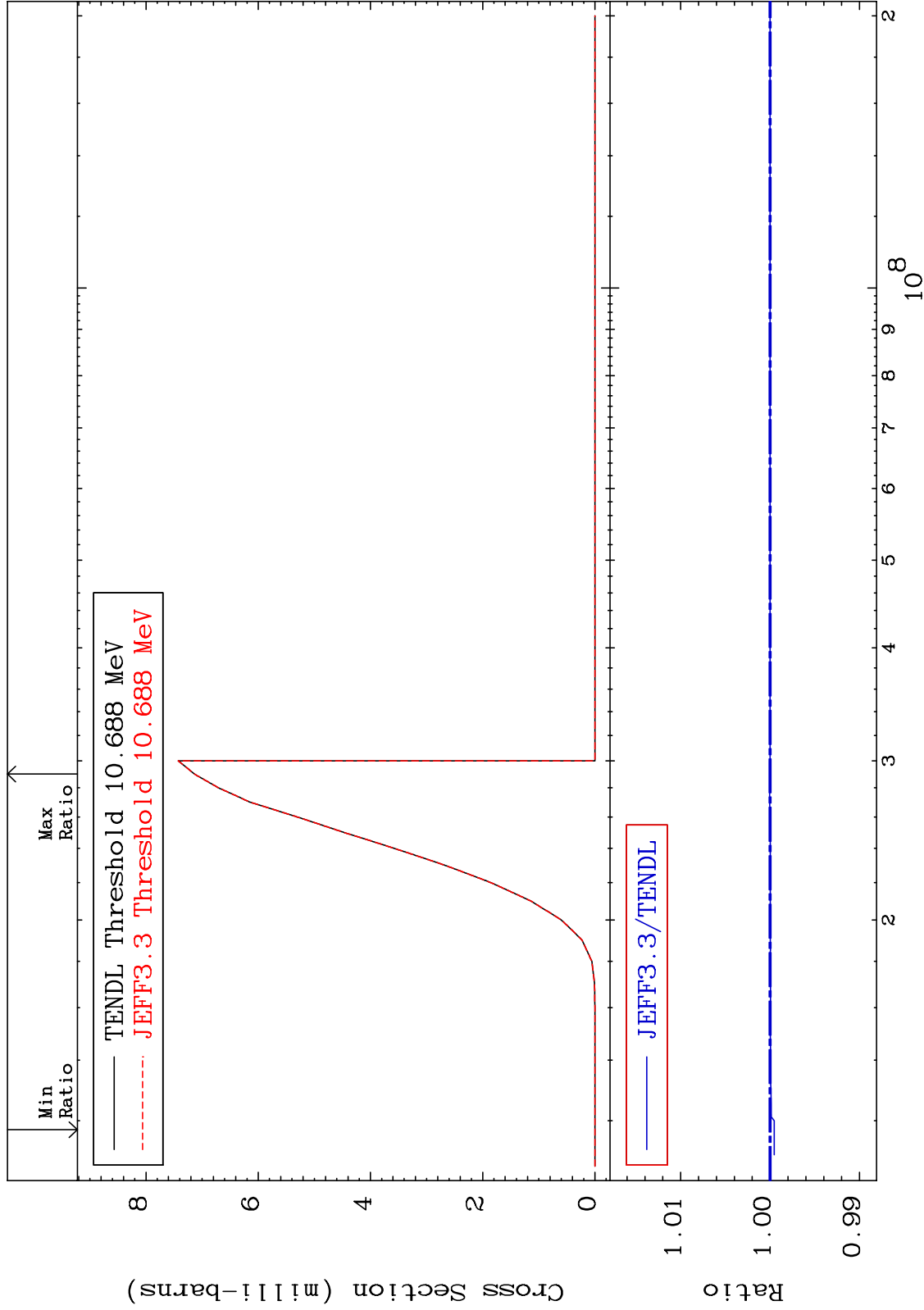
50-Sn-126

MAT 5067

(n,d) : 49-In-125g

50-Sn-126

Radionuclide Production Cross Section -0.045 To 0.006 %

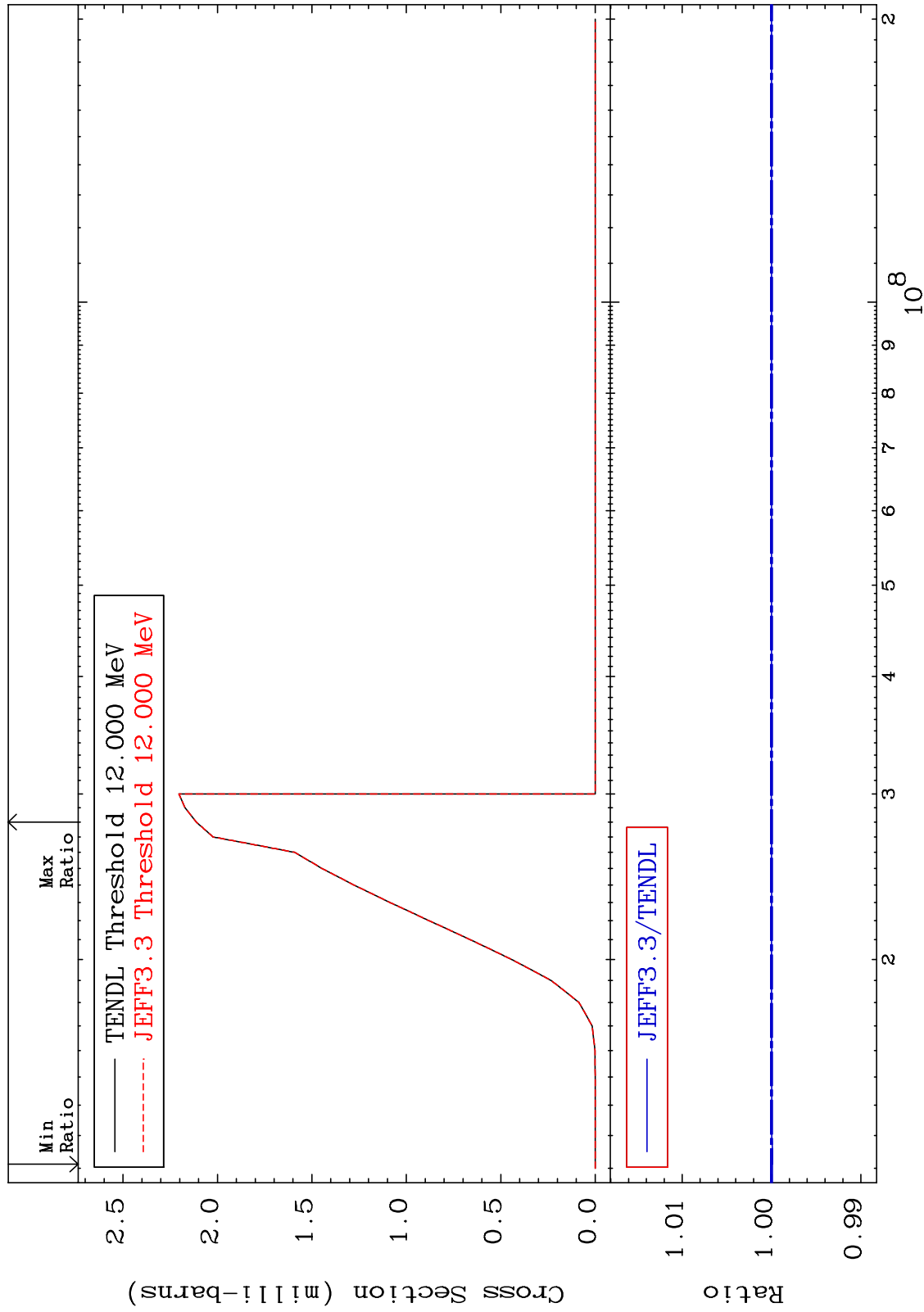


MAT 5067

(n, d) : 49-In-125m1

50-Sn-126

Radionuclide Production Cross Section -0.013 To 0.001 %

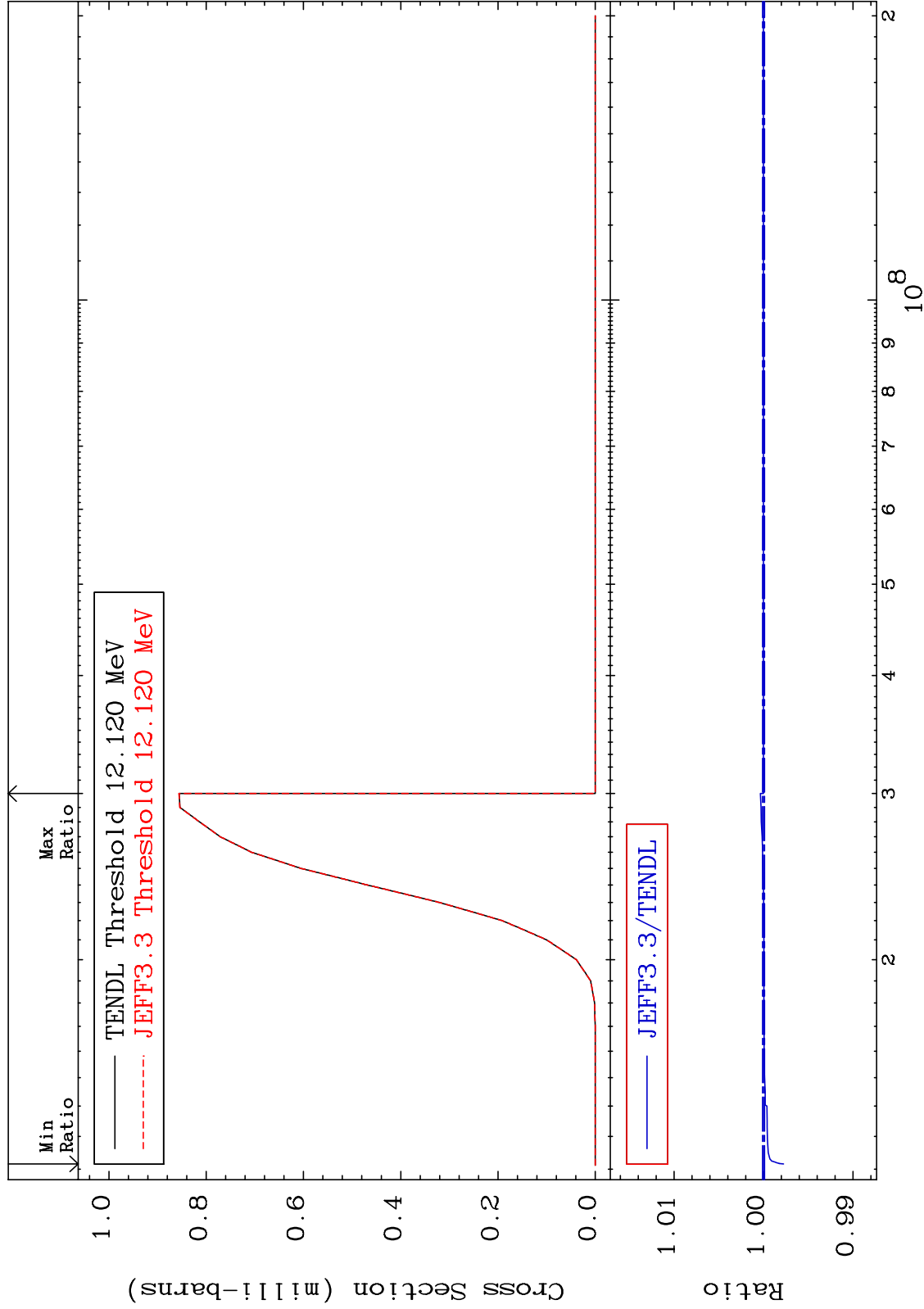


MAT 5067

(n, t) : 49-In-124g

50-Sn-126

Radionuclide Production Cross Section -0.225 To 0.035 %



78

Incident Energy (eV)

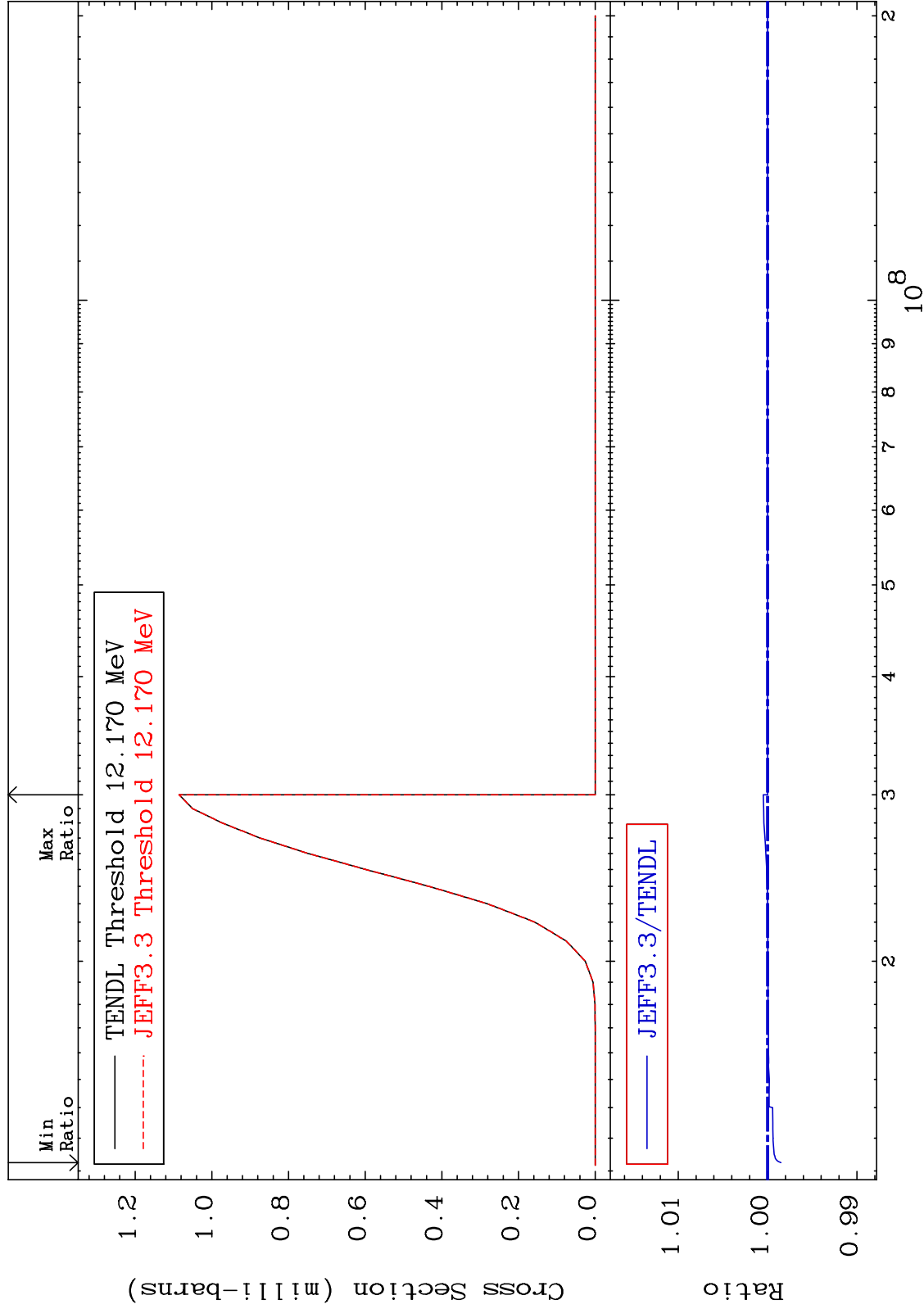
50-Sn-126

MAT 5067

(n, t) : 49-In-124m2

50-Sn-126

Radionuclide Production Cross Section -0.149 To 0.050 %

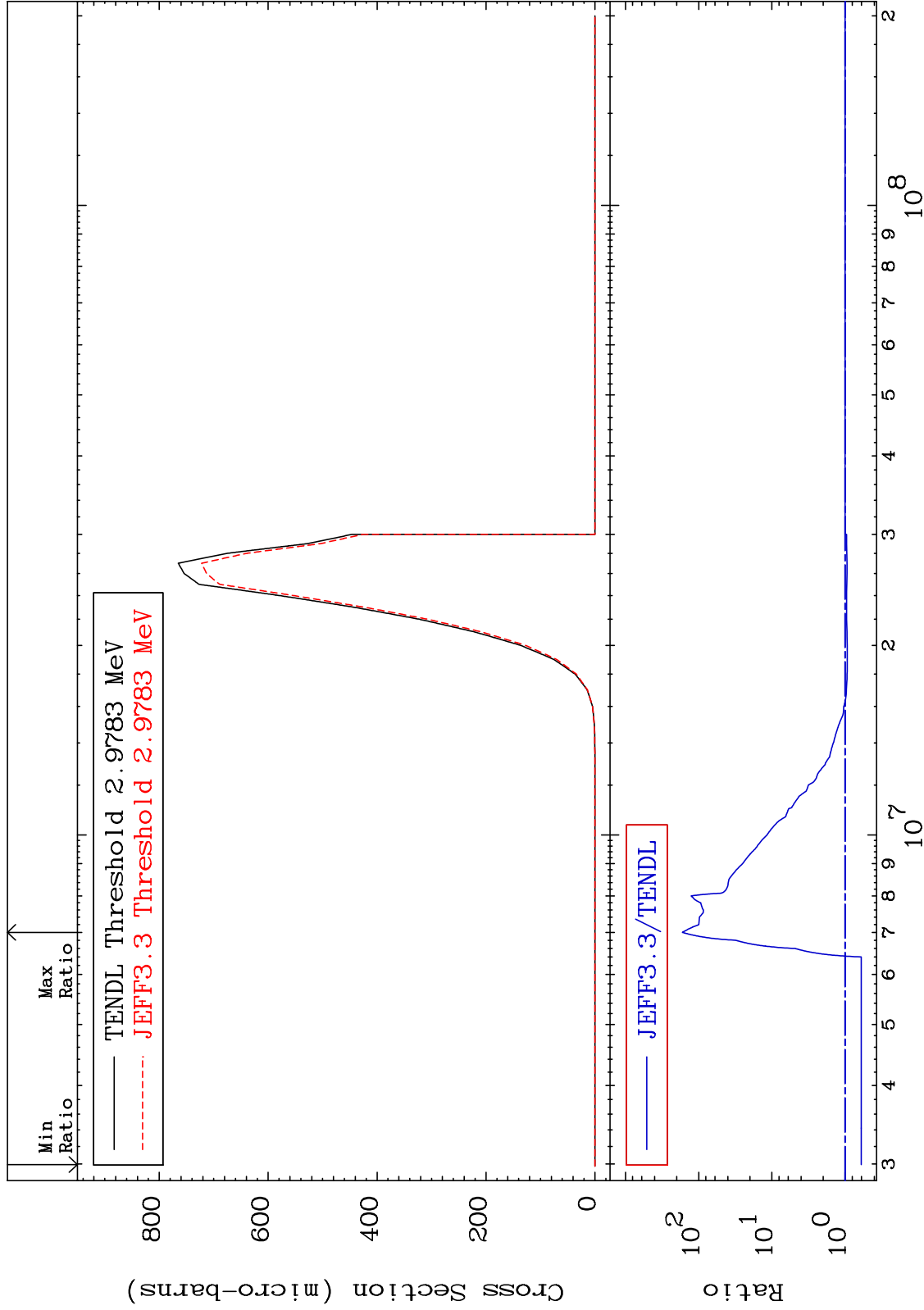


MAT 5067

(n, α): 48-Cd-123g

50-Sn-126

Radionuclide Production Cross Section -39.82 To 9999. %



MAT 5067 (n, α): 48-Cd-123m3 50-Sn-126
 Radionuclide Production Cross Section -6.699 To 9999. %

