

Program Complot
(Version 2018-1)

by

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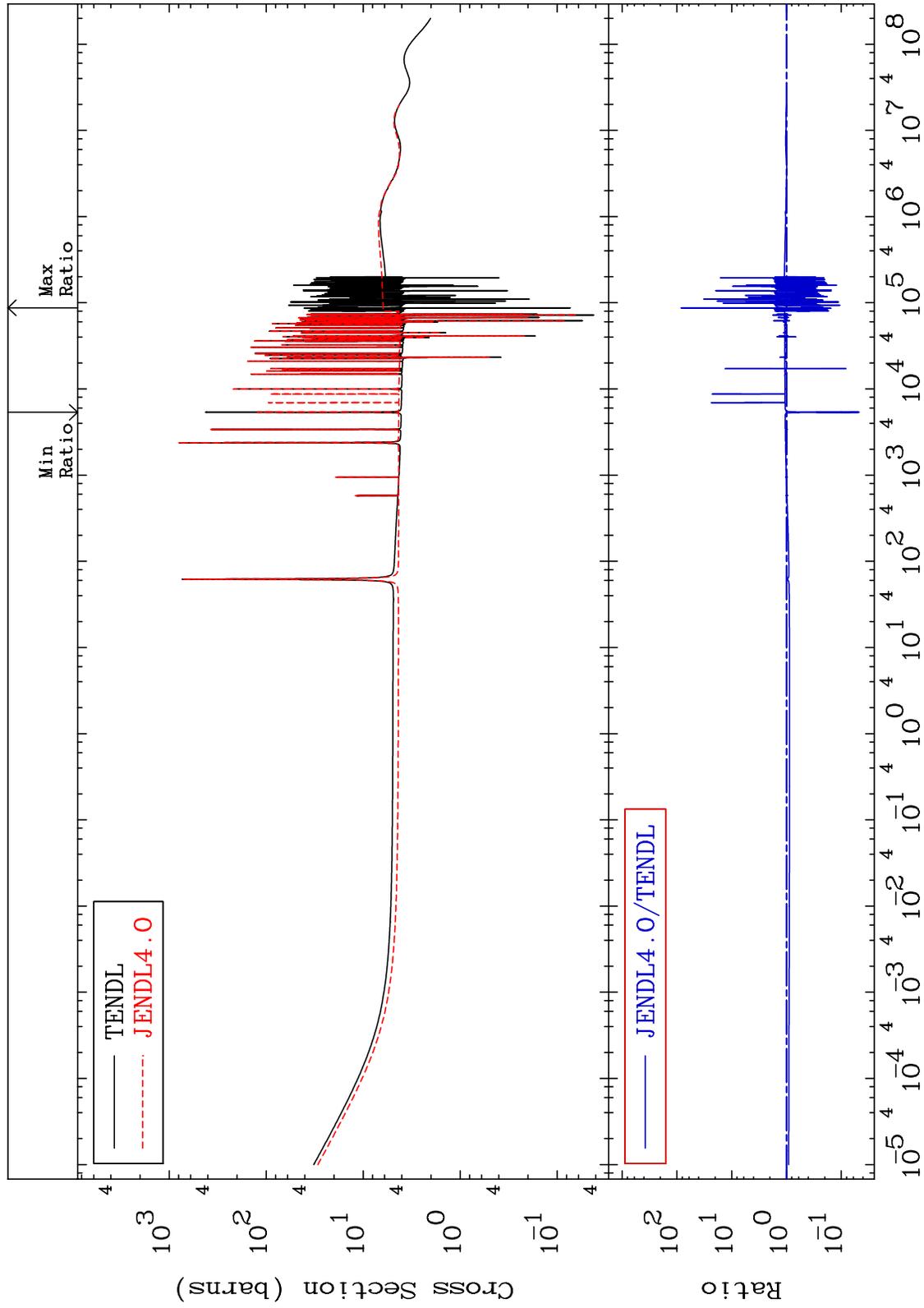
U.S.A.

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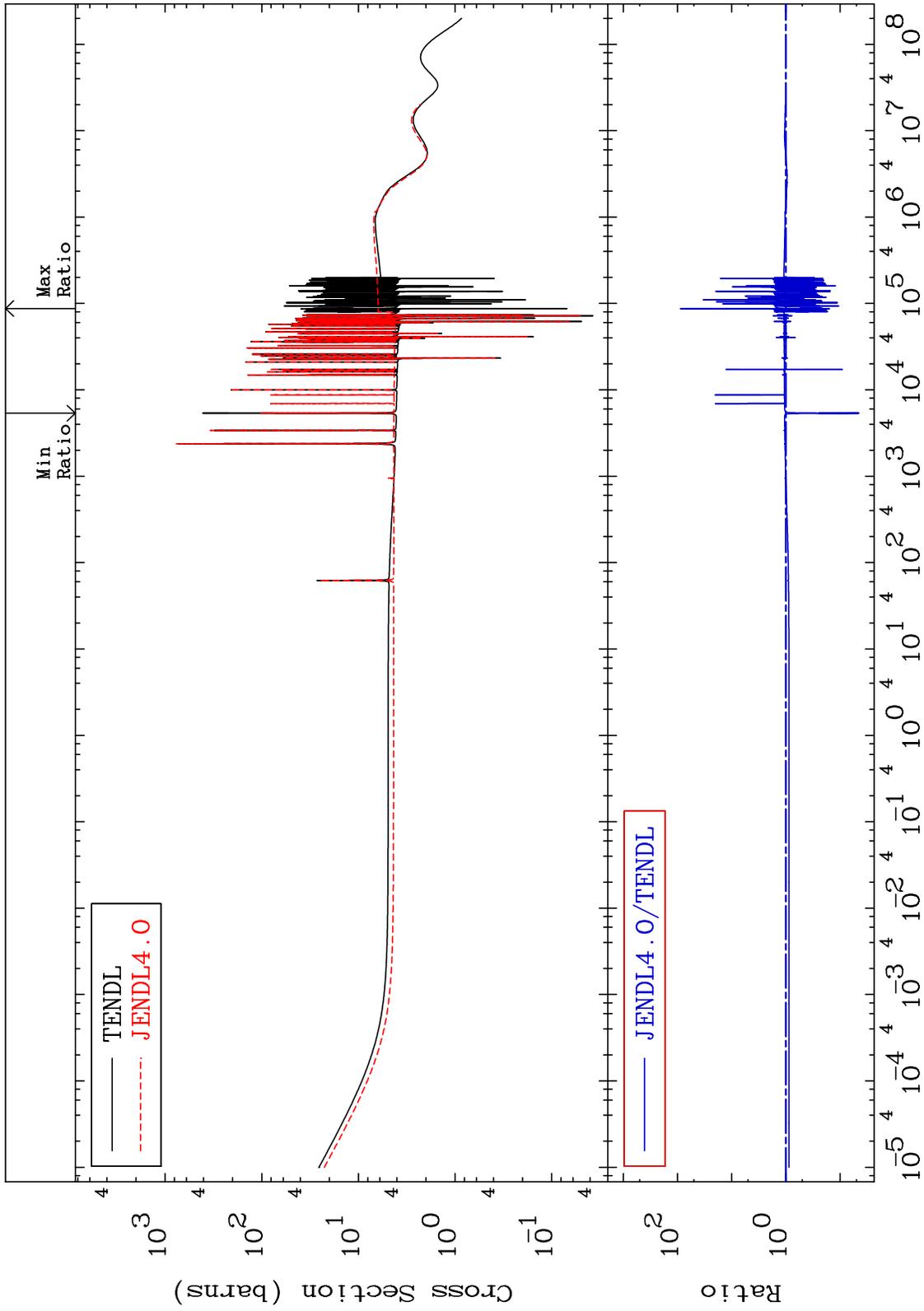
Press Mouse Button to Start

MAT 5061 Total Cross Section 50-Sn-124 -95.28 To 8368. %



Incident Energy (eV) 50-Sn-124

MAT 5061 Elastic Cross Section 50-Sn-124 -95.50 To 8815. %

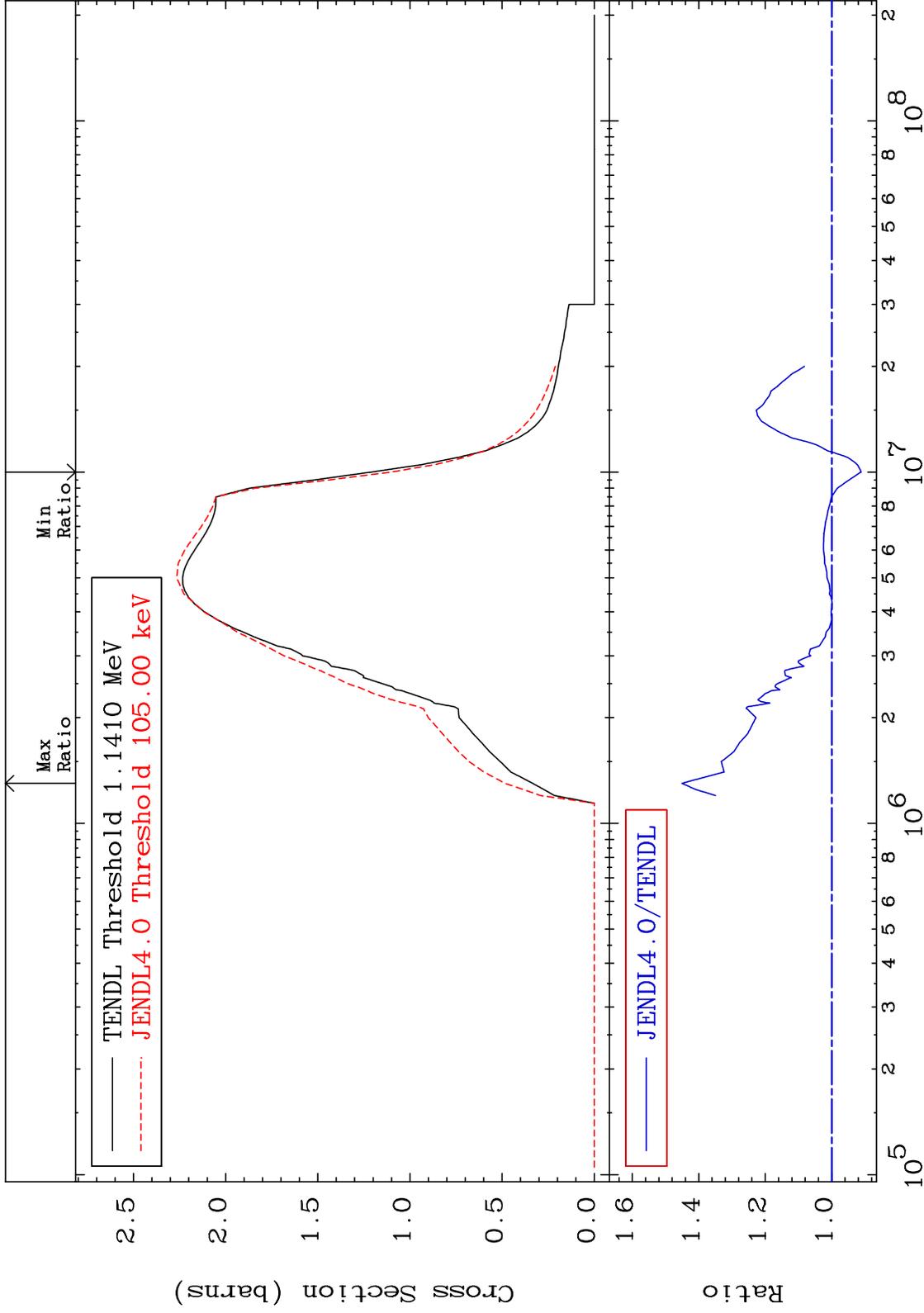


2 50-Sn-124 Incident Energy (eV)

MAT 5061

Inelastic
Cross Section

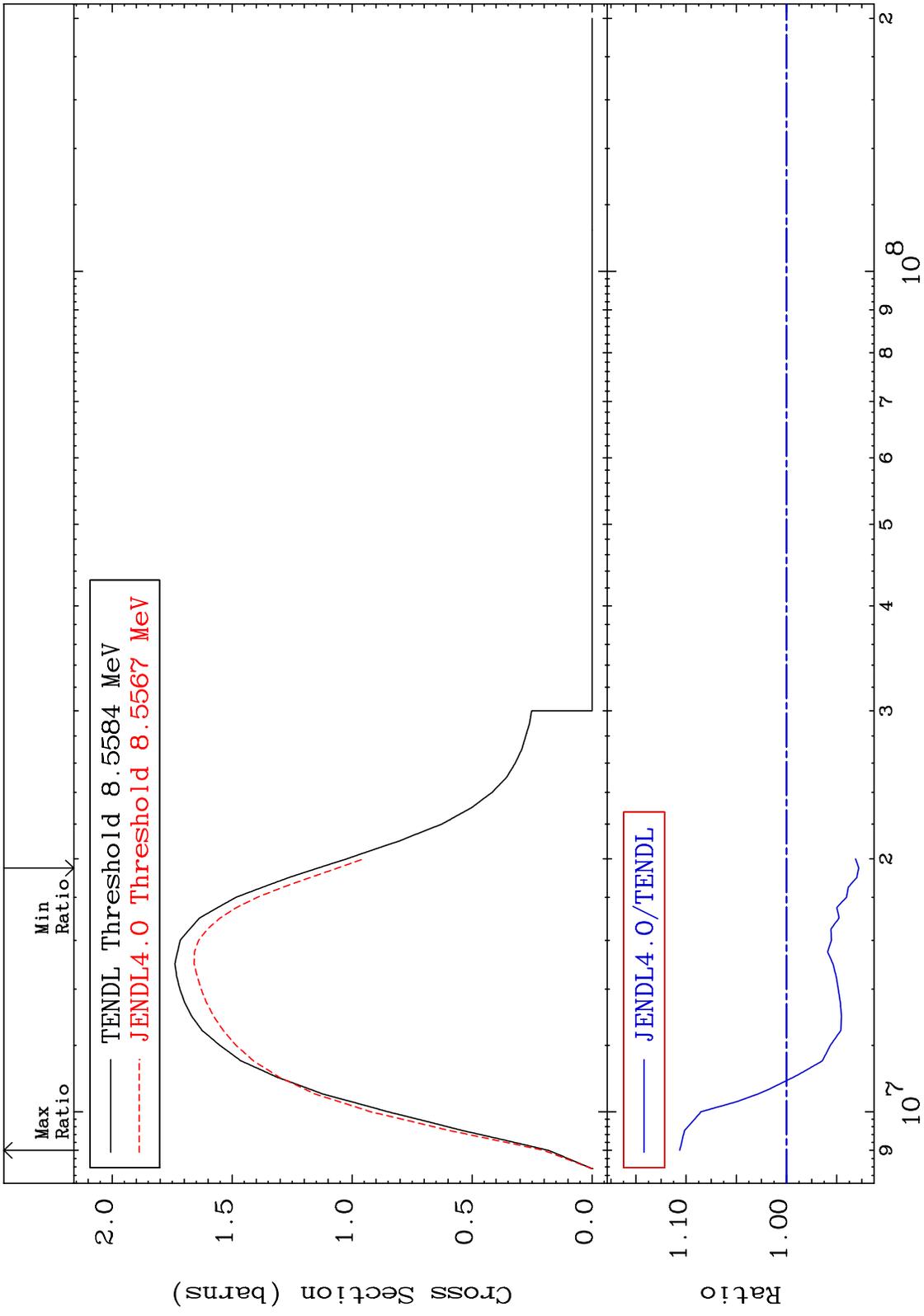
50-Sn-124
-8.875 To 45.04 %



Incident Energy (eV)

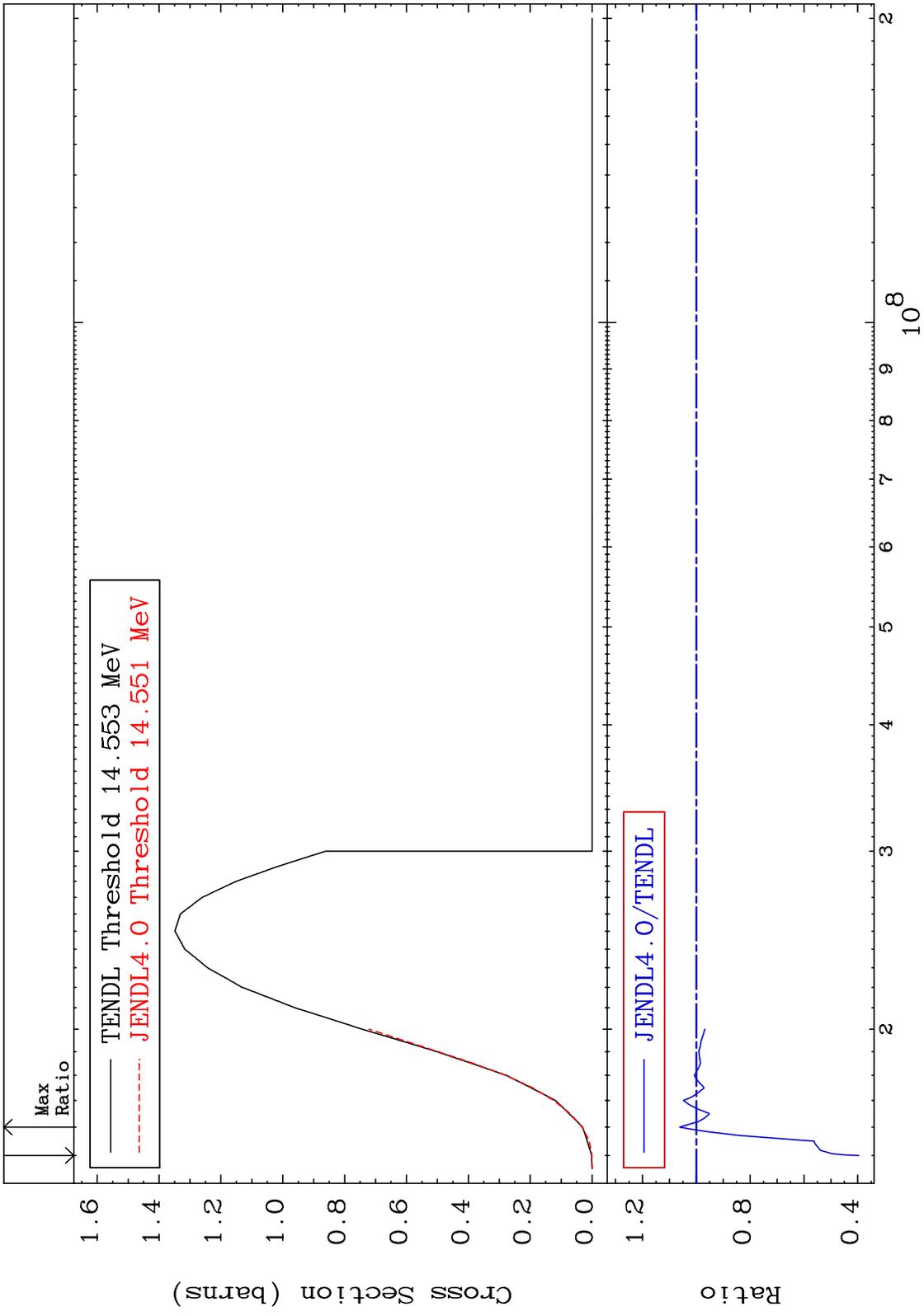
50-Sn-124

MAT 5061 (n,2n) Cross Section 50-Sn-124 -7.203 To 10.64 %



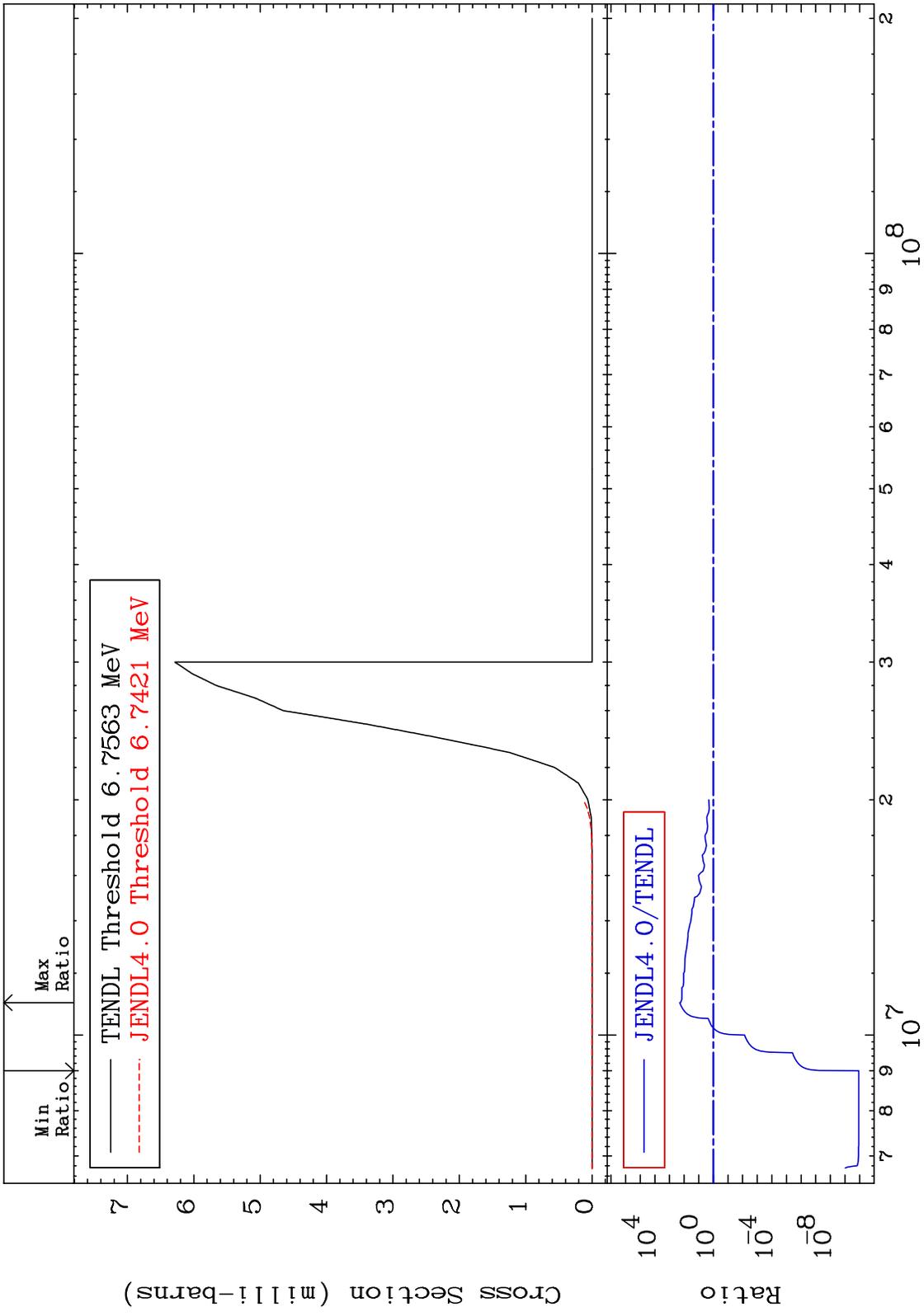
4 50-Sn-124

MAT 5061 (n,3n) 50-Sn-124
 Cross Section -60.39 To 6.160 %

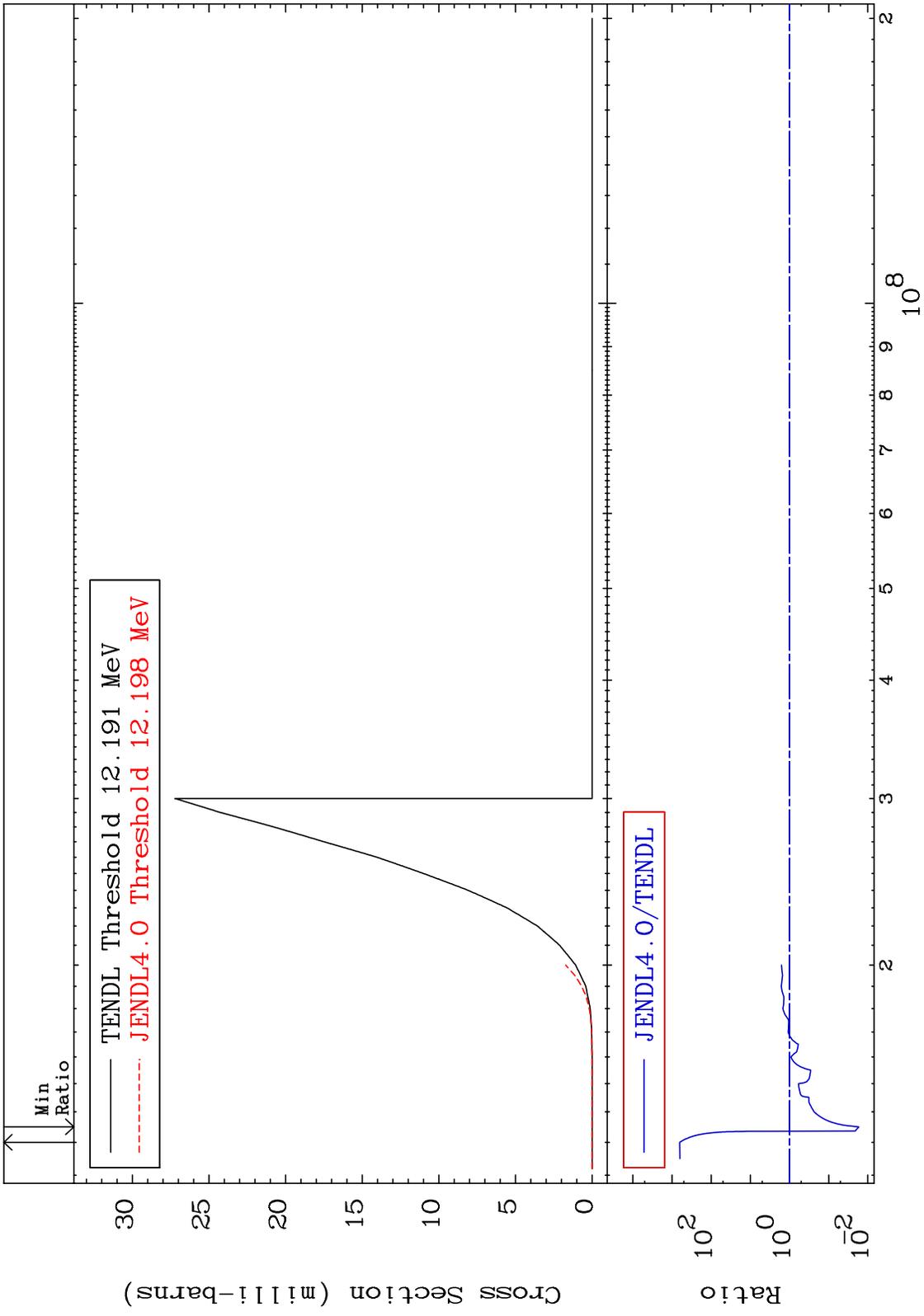


5 Incident Energy (eV) 50-Sn-124

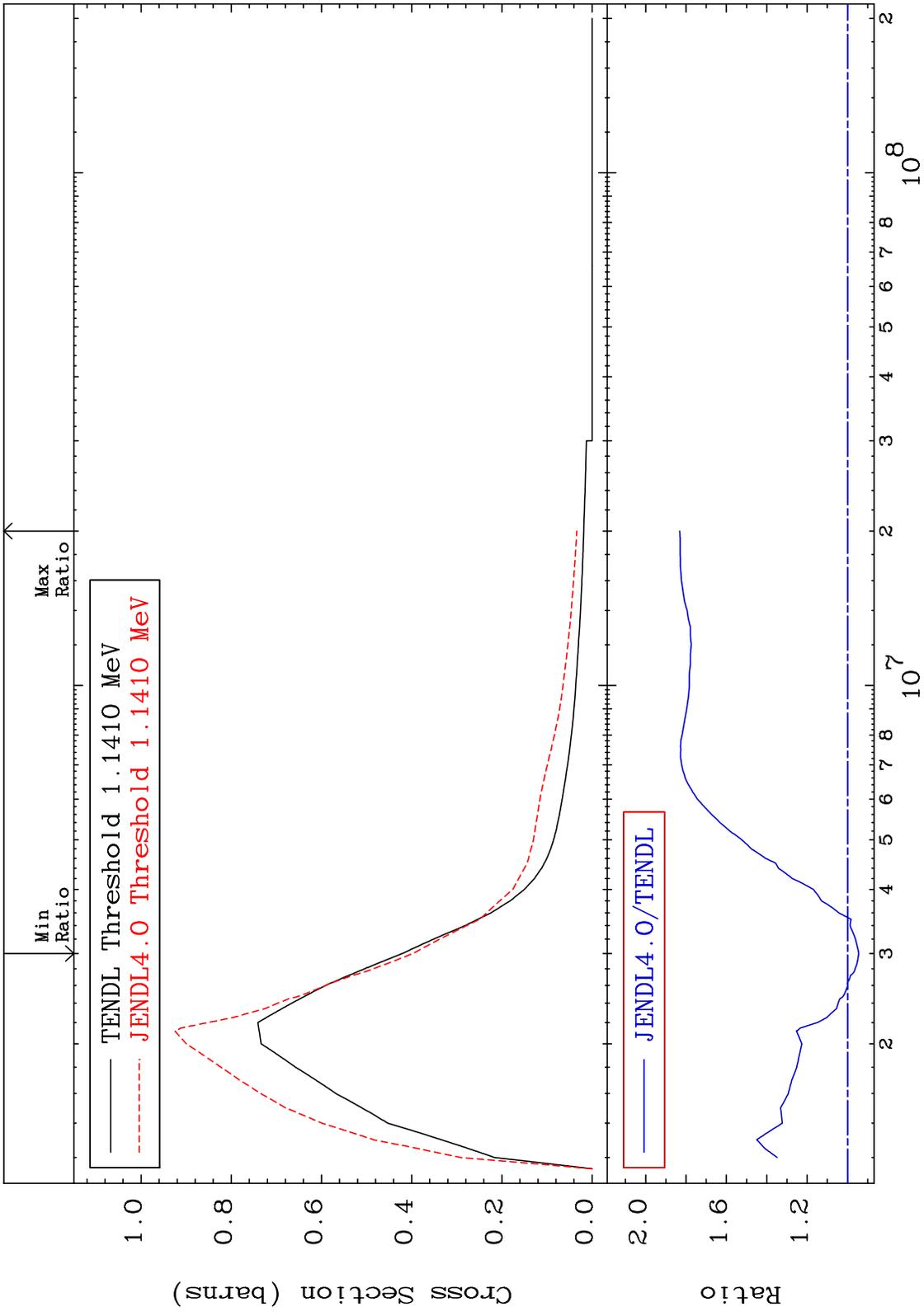
MAT 5061 $(n, n') \alpha$ 50-Sn-124
 Cross Section -100.0 To 9999. %



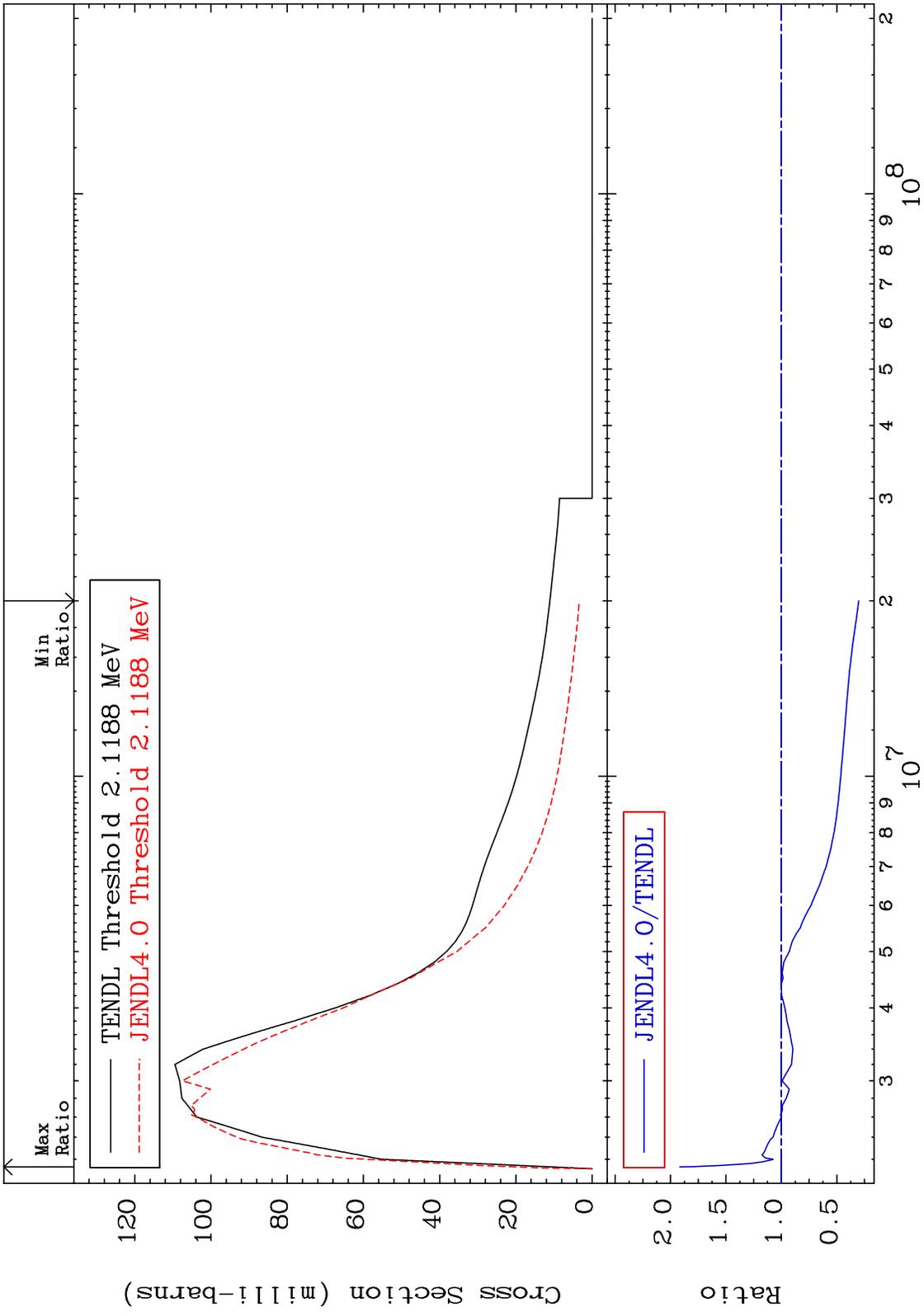
MAT 5061 (n,n') p 50-Sn-124
 Cross Section -98.30 To 9999. %



MAT 5061 MT= 51 (n,n') Level Cross Section 50-Sn-124 -5.596 To 83.11 %



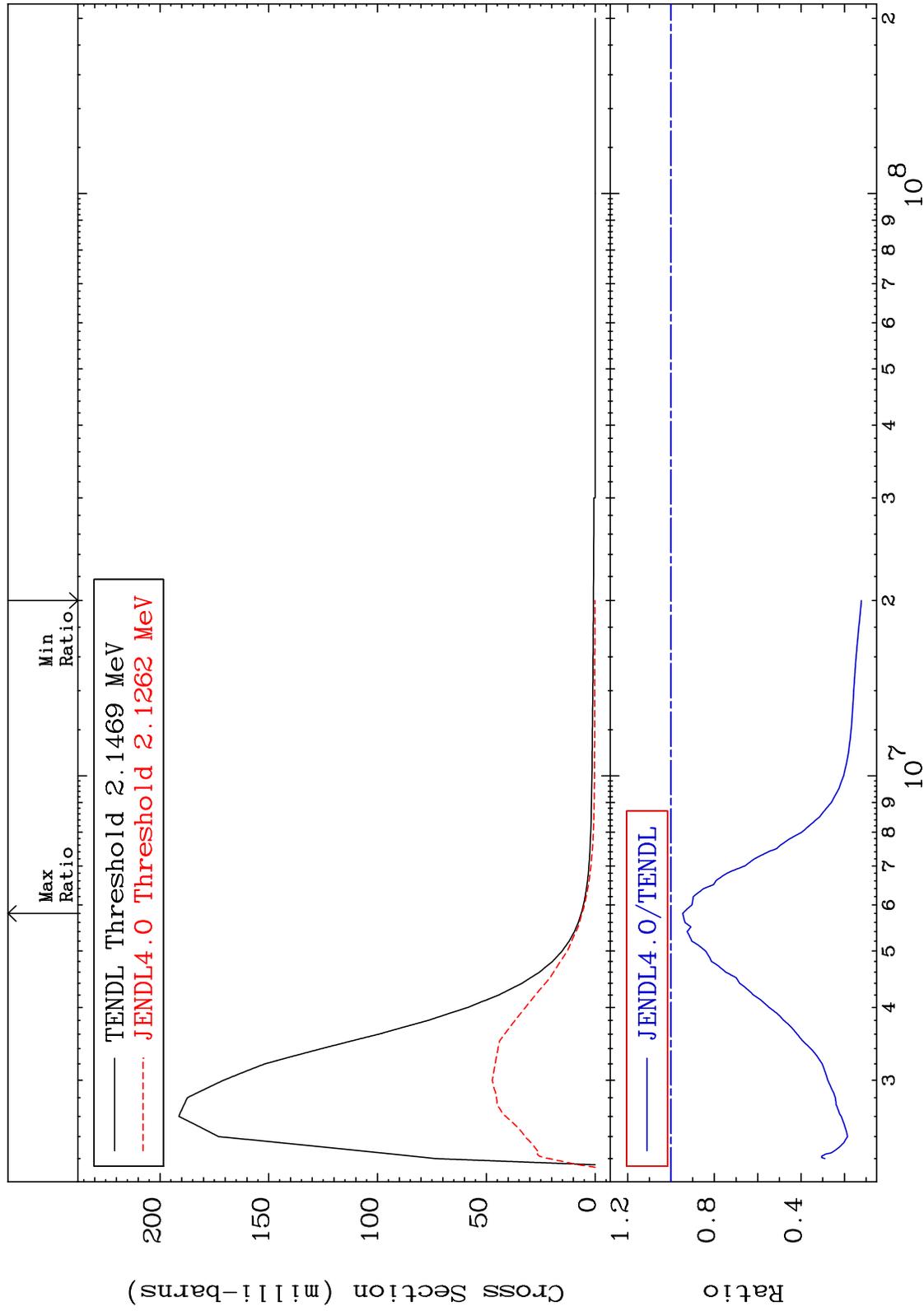
MAT 5061 MT= 52 (n,n') Level Cross Section 50-Sn-124 -69.90 To 91.70 %



MAT 5061

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

50-Sn-124
-87.82 To -5.367%

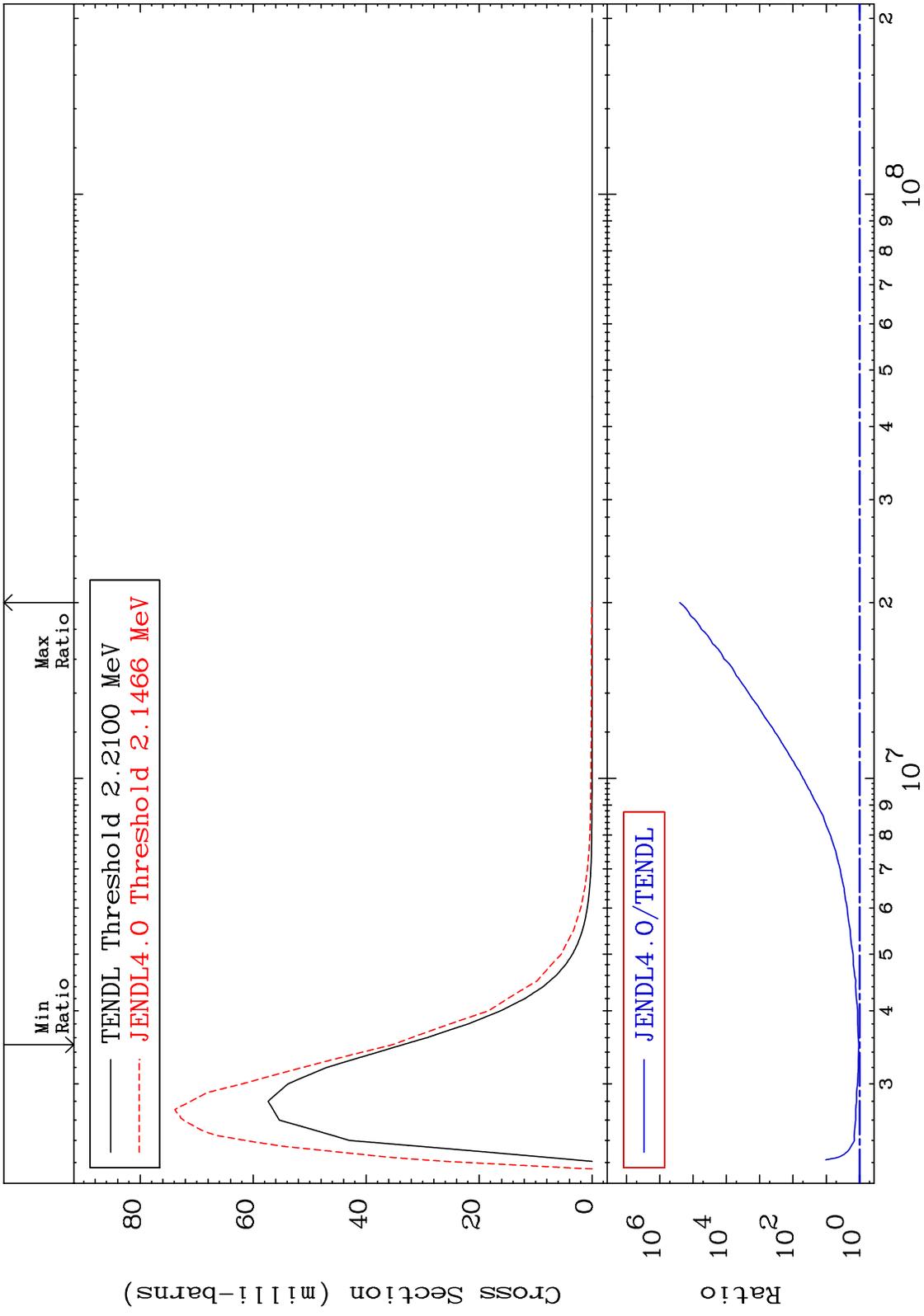


10

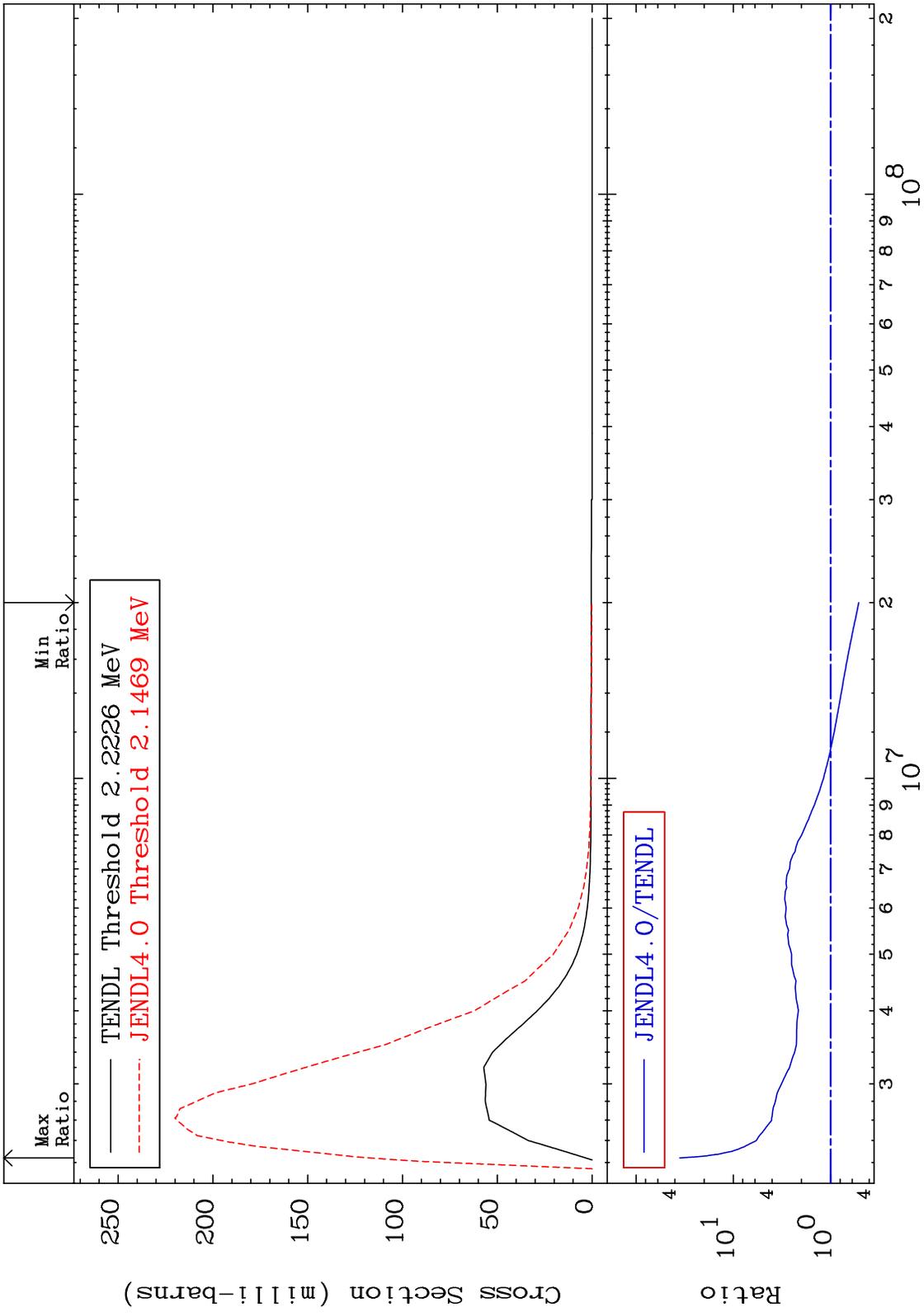
Incident Energy (eV)

50-Sn-124

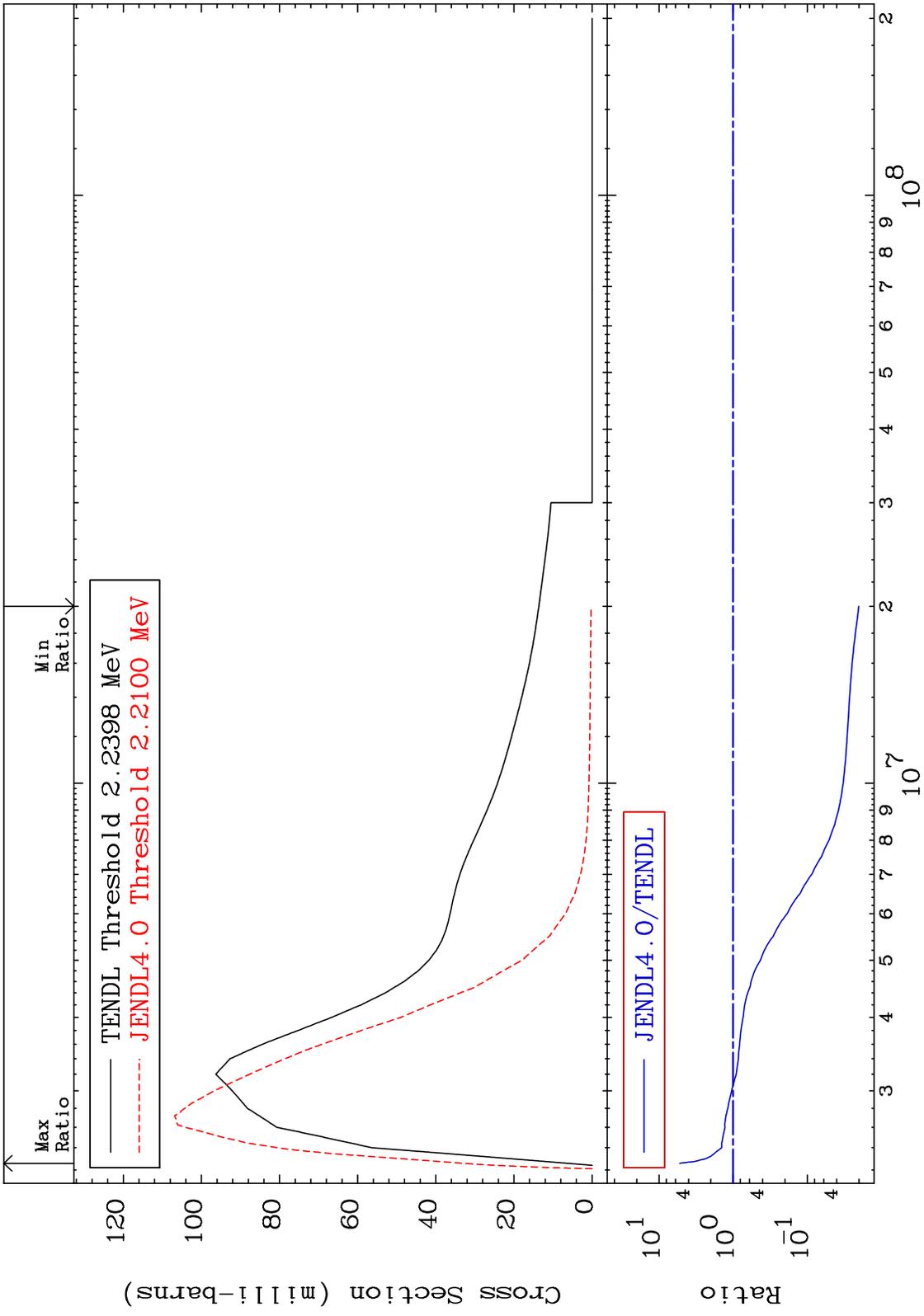
MAT 5061 MT= 54 (n,n') Level Cross Section 50-Sn-124 To 9999. %
 5.382



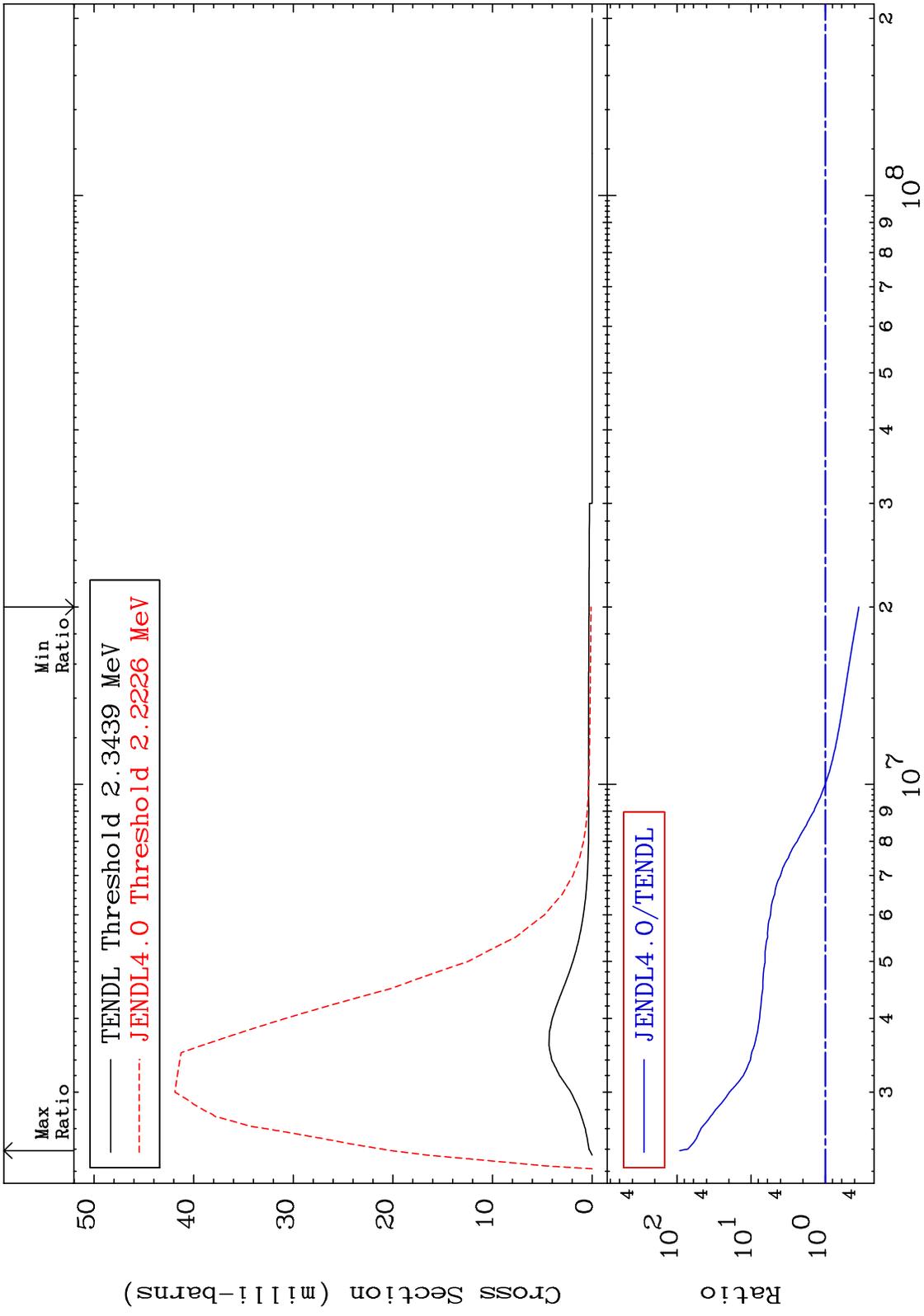
MAT 5061 MT= 55 (n,n') Level Cross Section 50-Sn-124 -48.64 To 3459. %



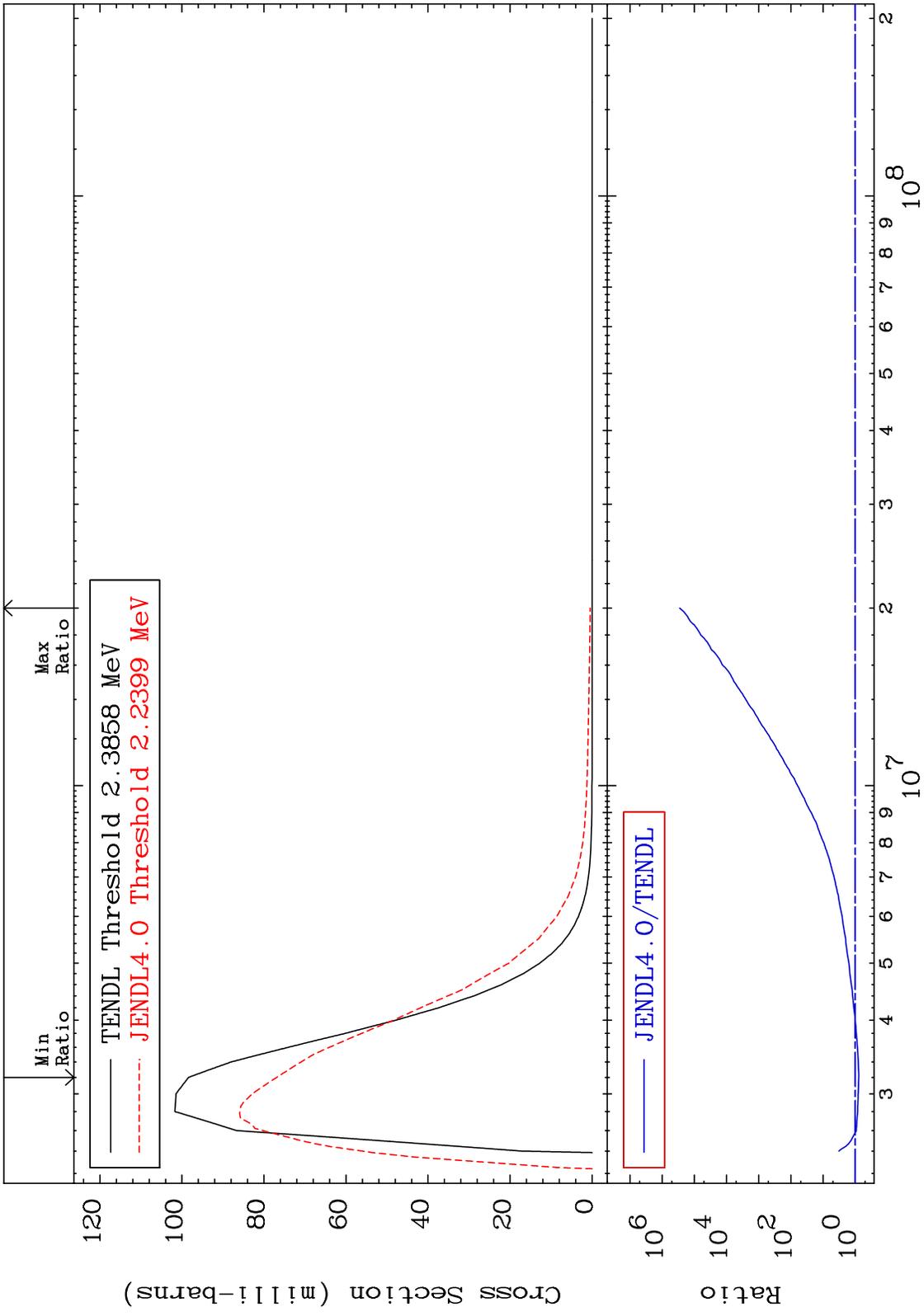
MAT 5061 MT= 56 (n,n') Level Cross Section 50-Sn-124 -97.98 To 426.0 %



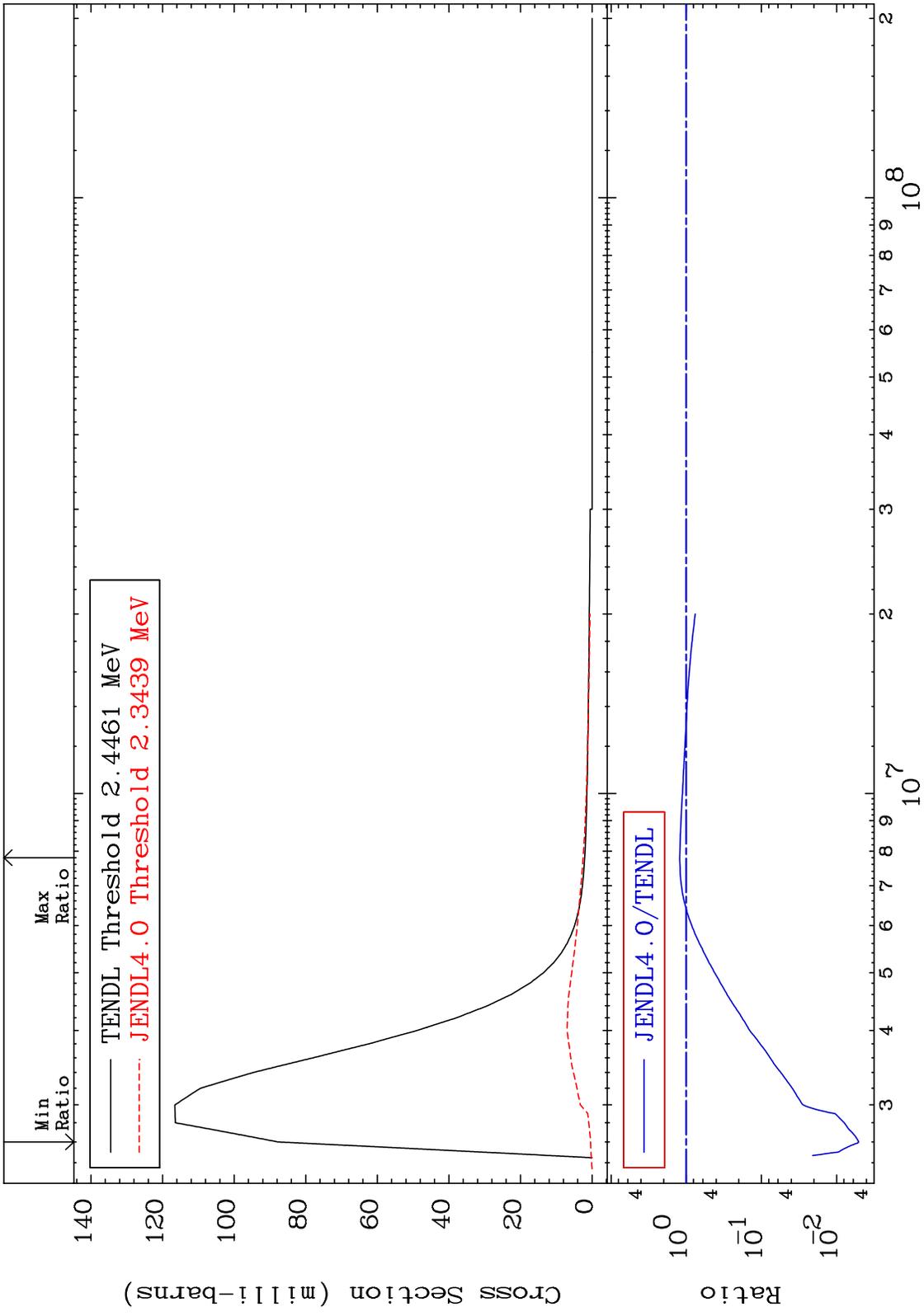
MAT 5061 MT= 57 (n,n') Level Cross Section 50-Sn-124 -64.80 To 9101. %



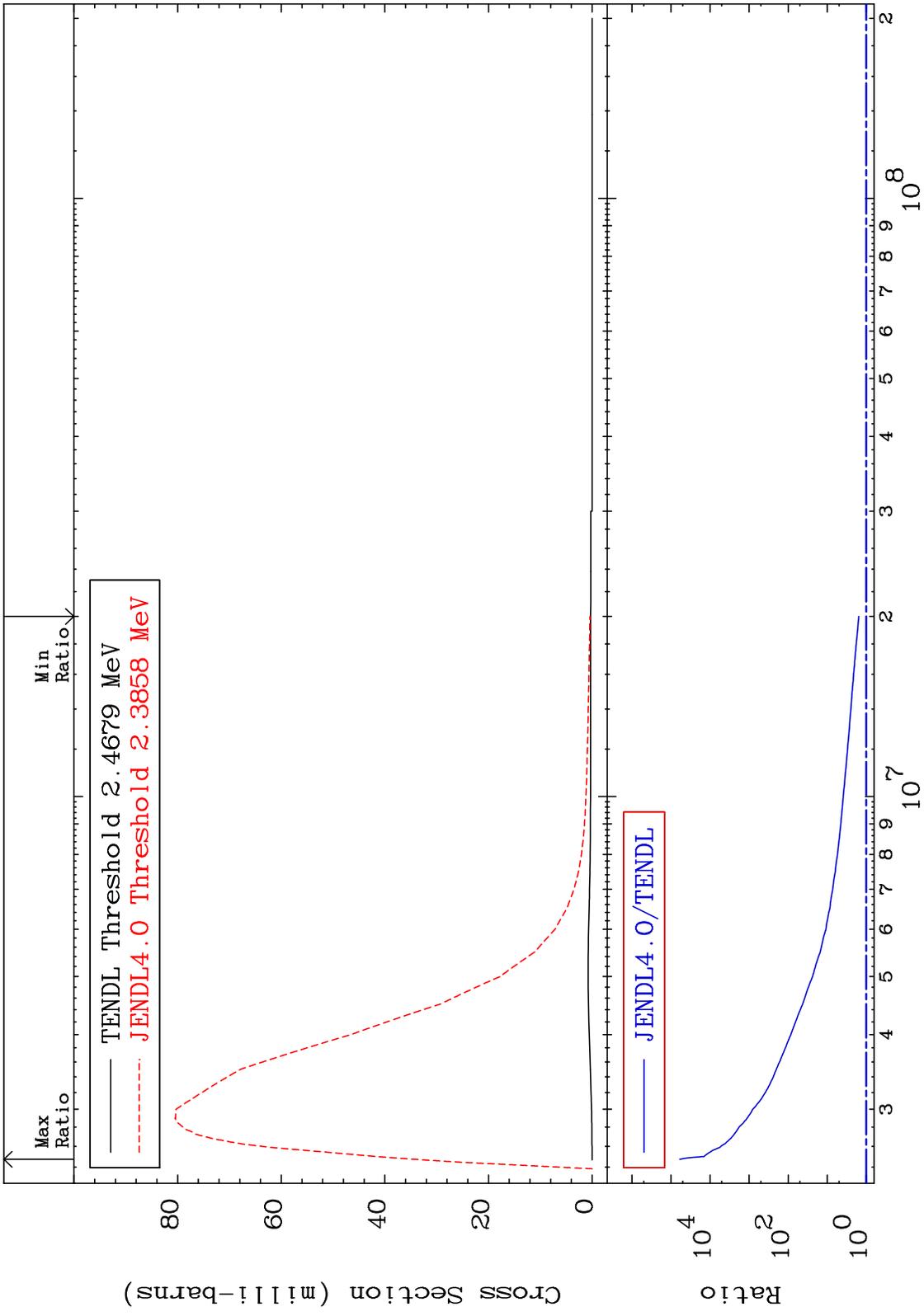
MAT 5061 MT= 58 (n,n') Level Cross Section 50-Sn-124
 -21.84 To 9999. %



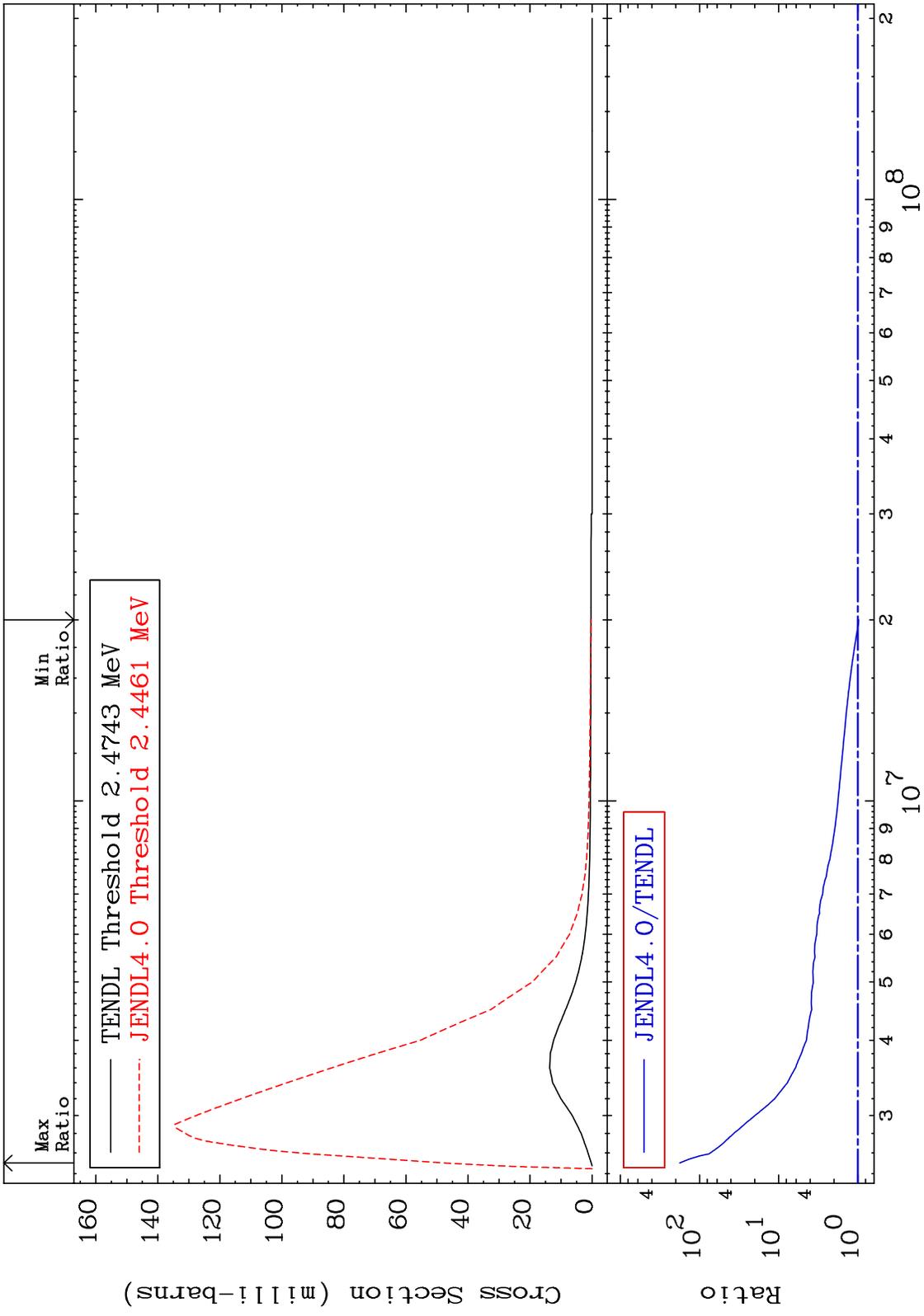
MAT 5061 MT= 59 (n,n') Level Cross Section 50-Sn-124 -99.49 To 22.02 %



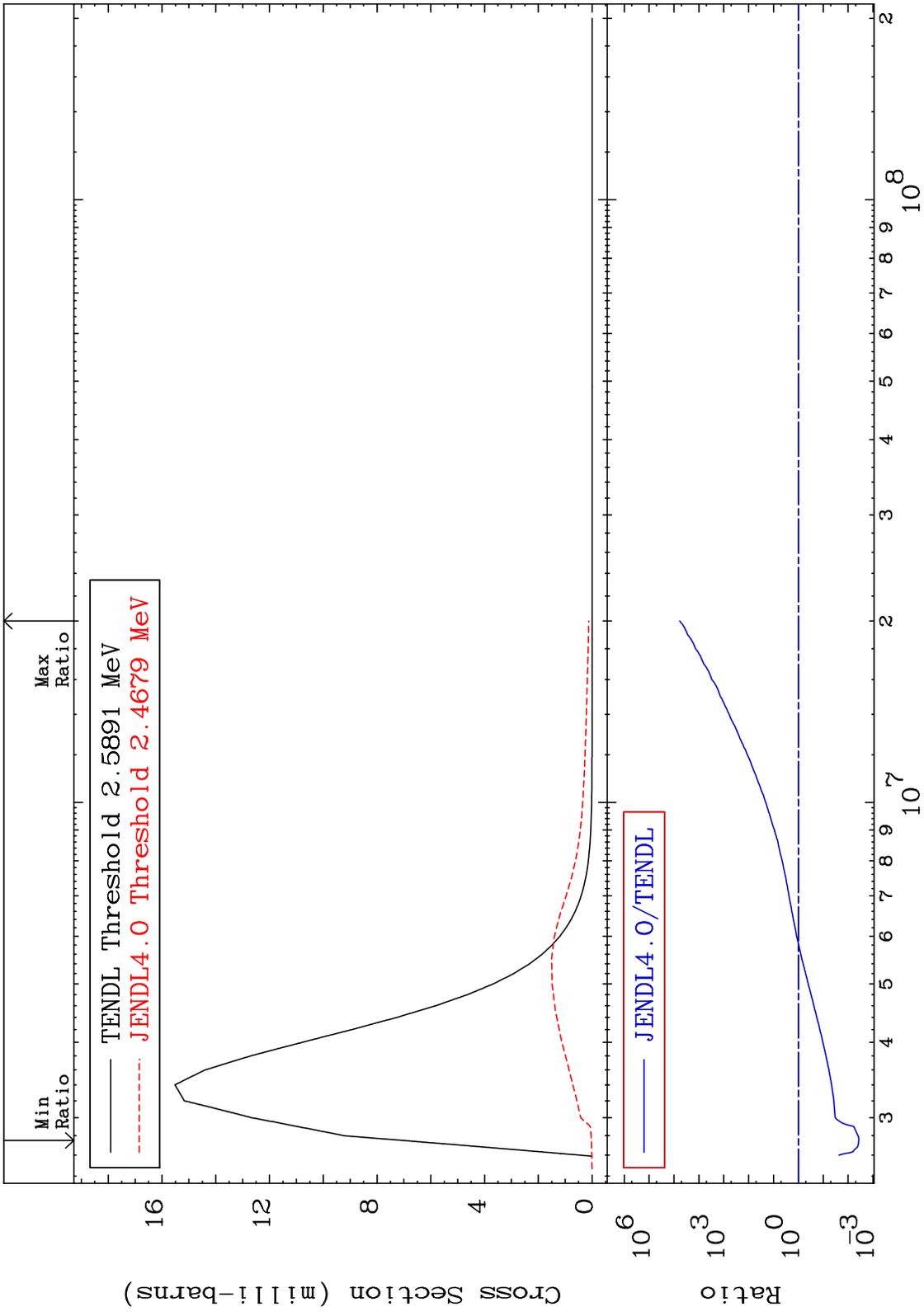
MAT 5061 MT= 60 (n,n') Level Cross Section 50-Sn-124 To 9999. %
 55.59



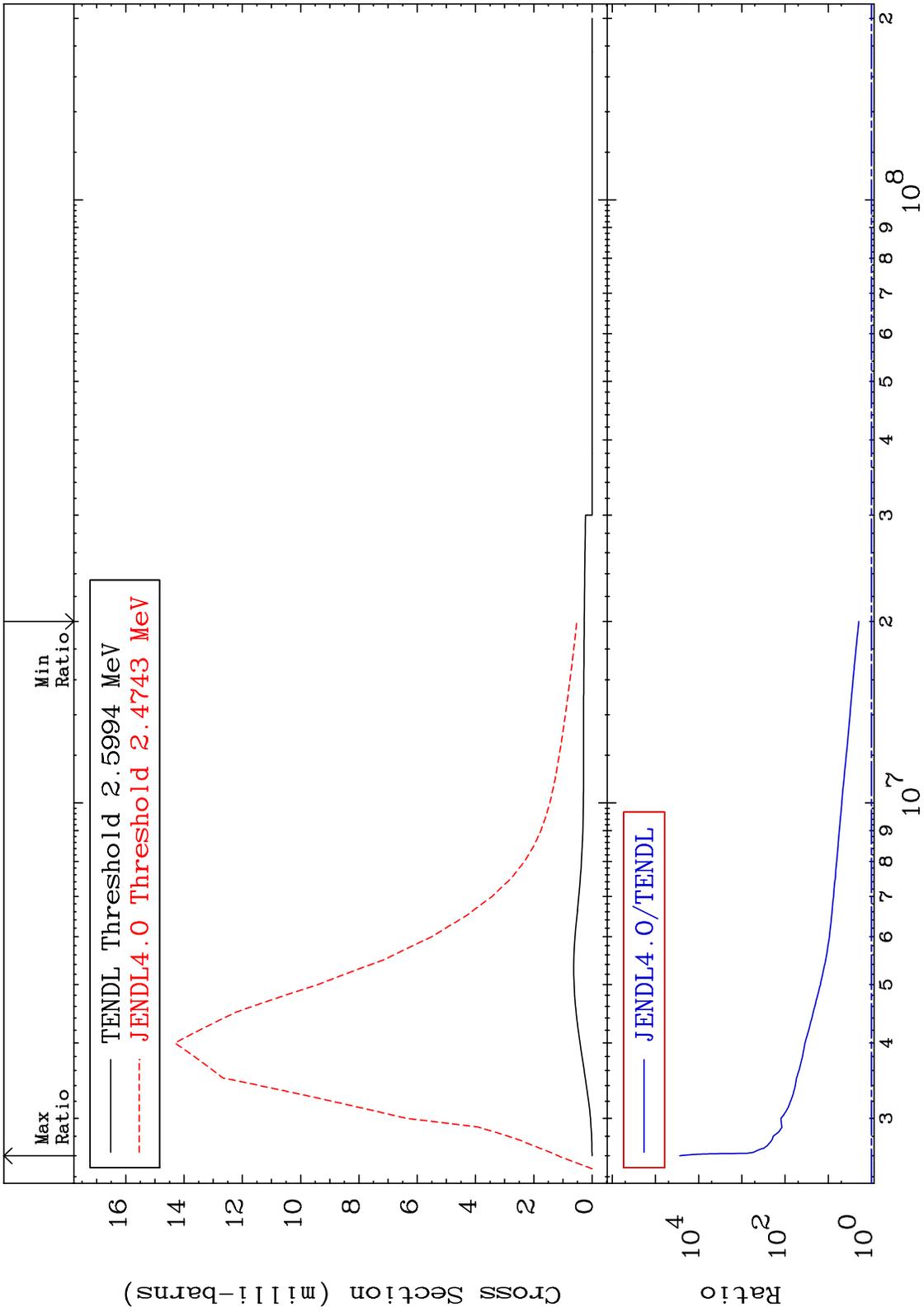
MAT 5061 MT= 61 (n,n') Level Cross Section 50-Sn-124 -2.897 To 9999. %



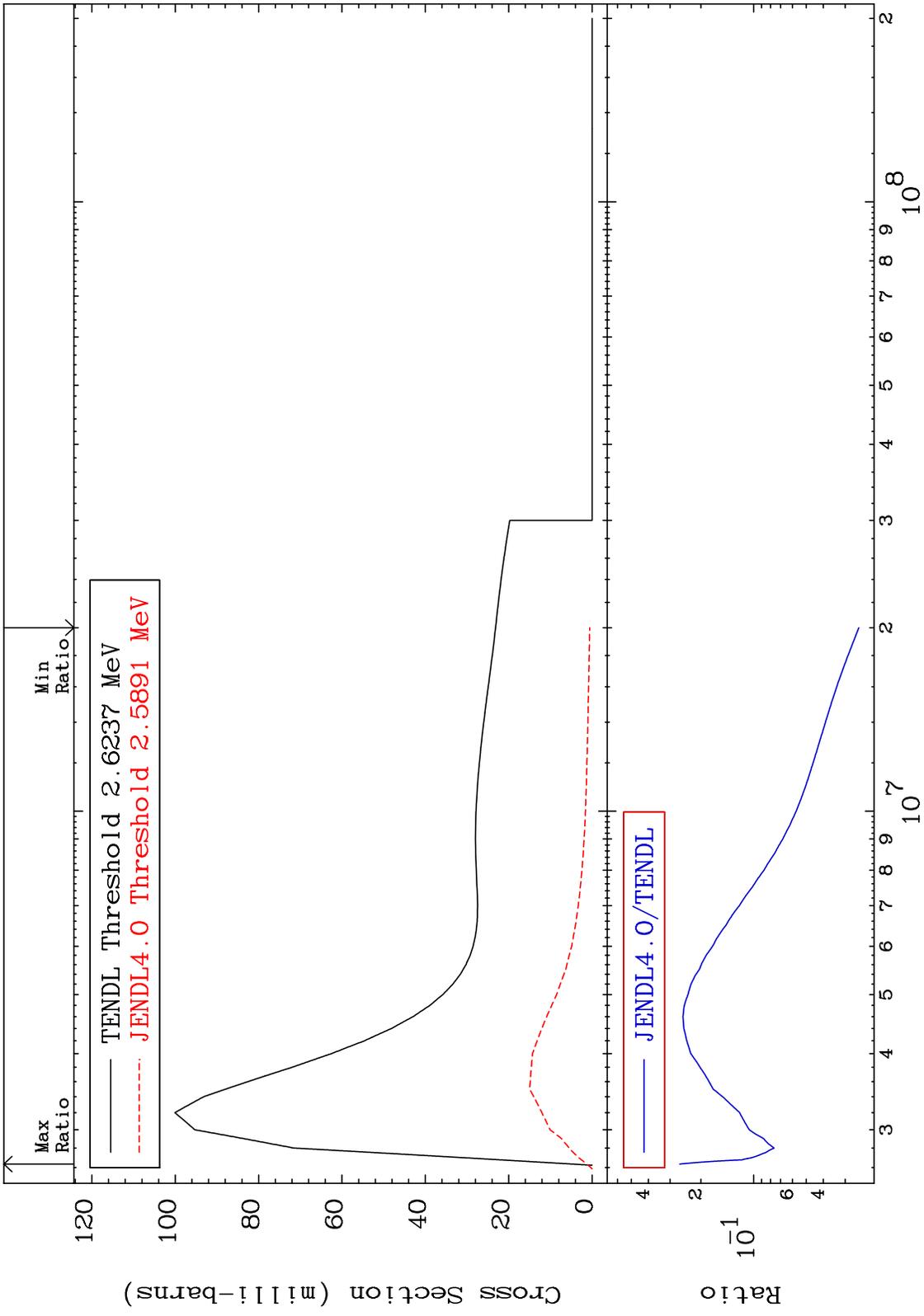
MAT 5061 MT= 62 (n,n') Level Cross Section 50-Sn-124 -99.63 To 9999. %



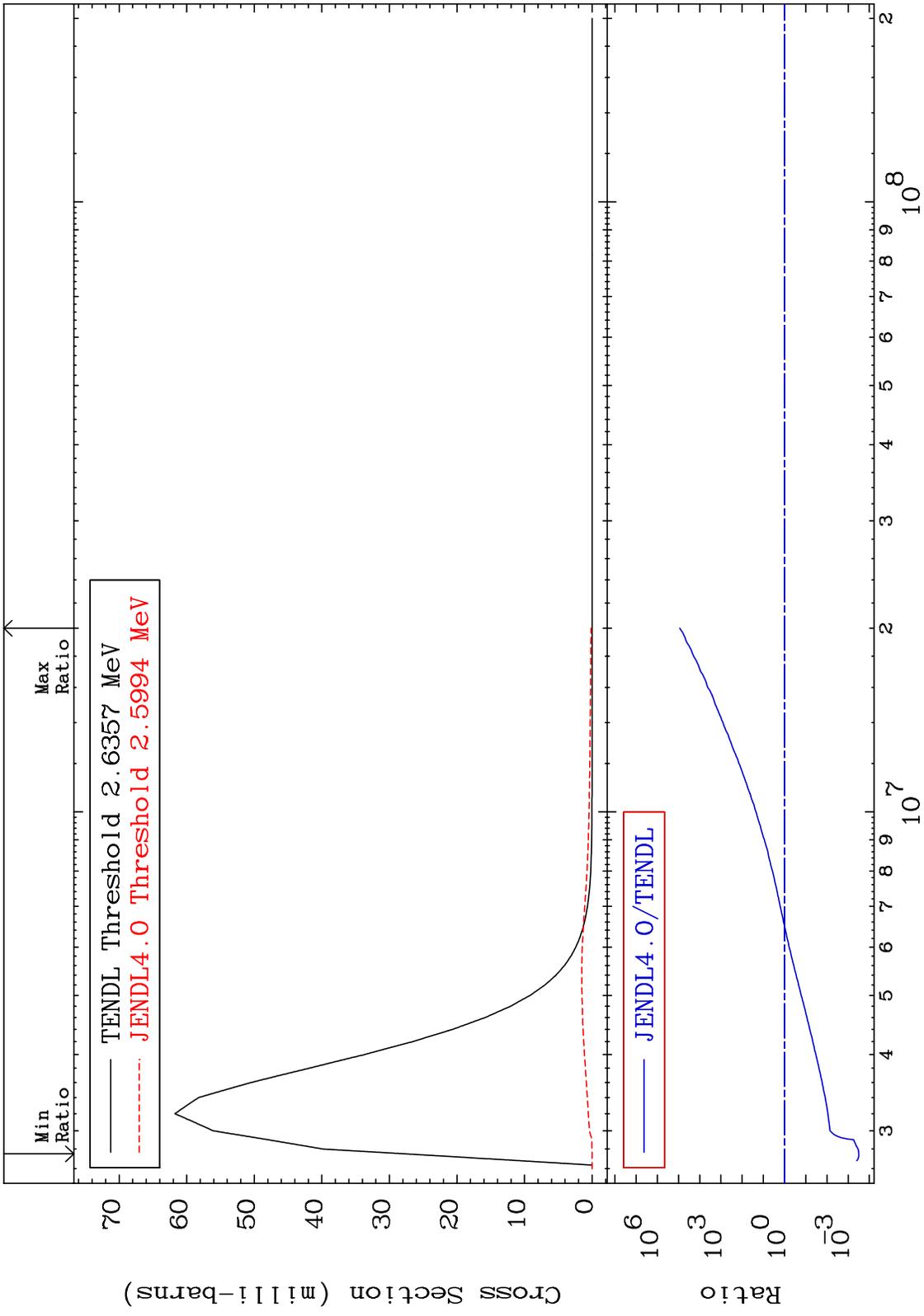
MAT 5061 MT= 63 (n,n') Level Cross Section 50-Sn-124 To 9999. %



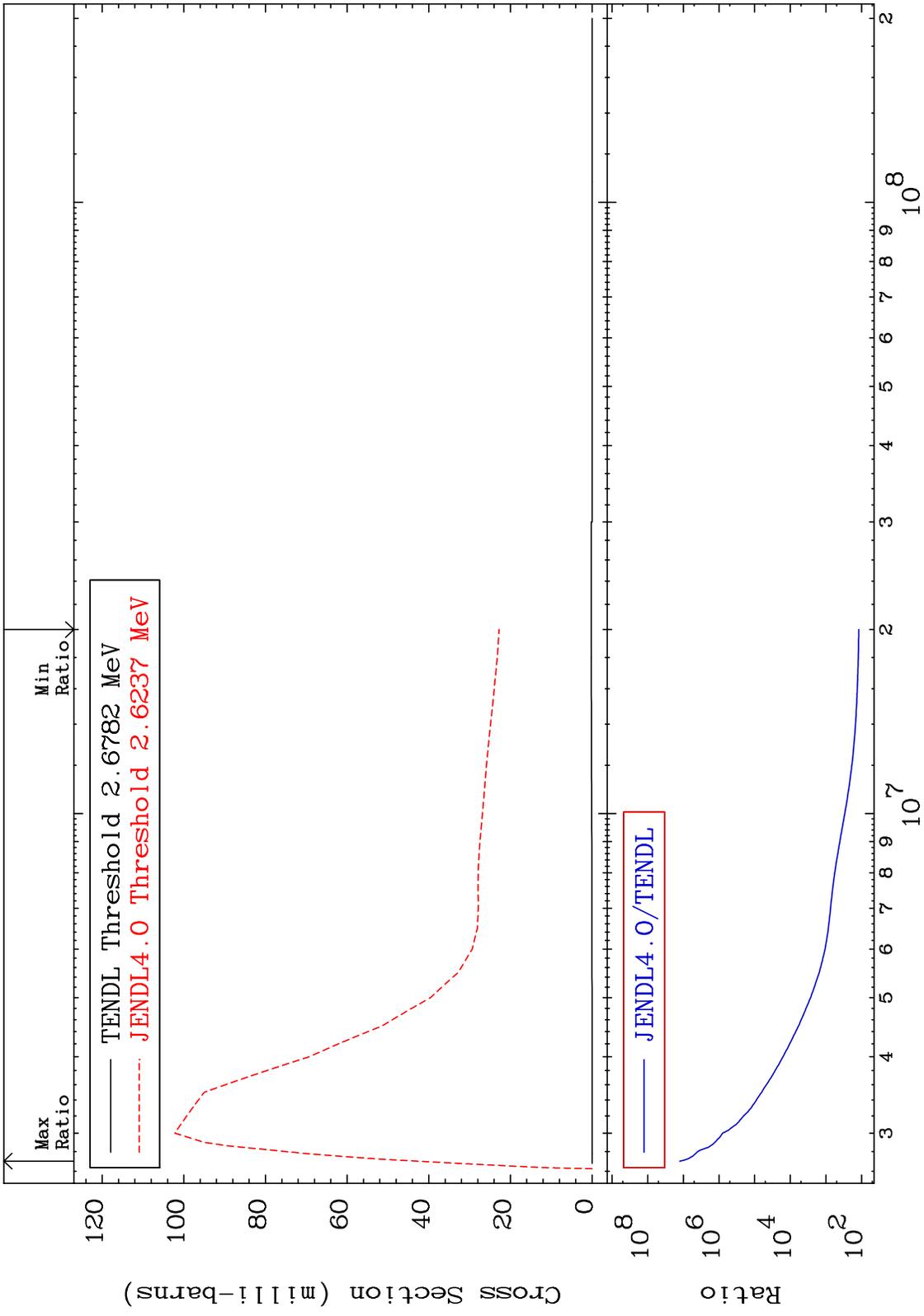
MAT 5061 MT= 64 (n,n') Level Cross Section 50-Sn-124 -97.50 To -73.56%



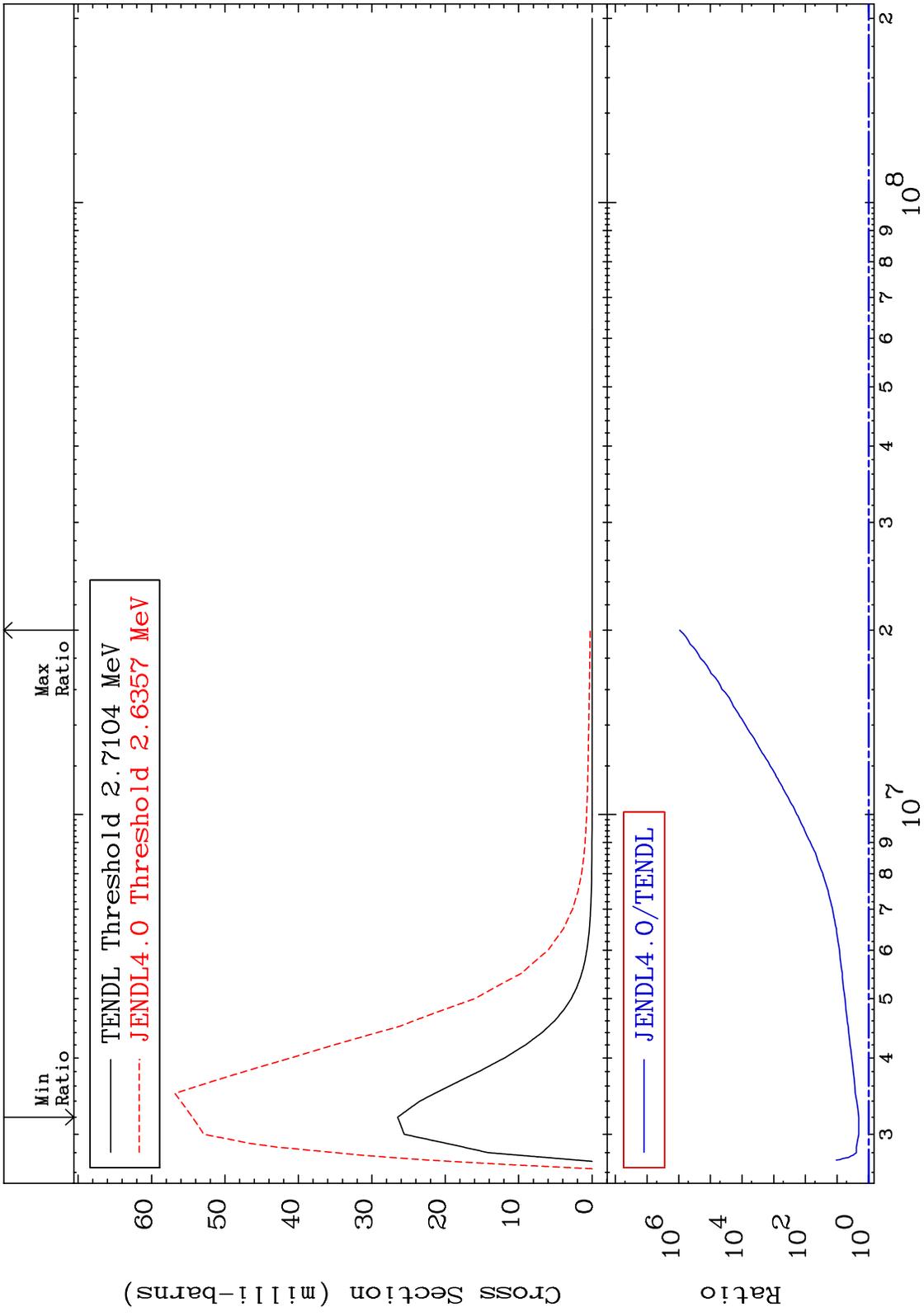
MAT 5061 MT= 65 (n,n') Level Cross Section 50-Sn-124 -99.97 To 9999. %



MAT 5061 MT= 66 (n,n') Level Cross Section 50-Sn-124 9999. To 9999. %

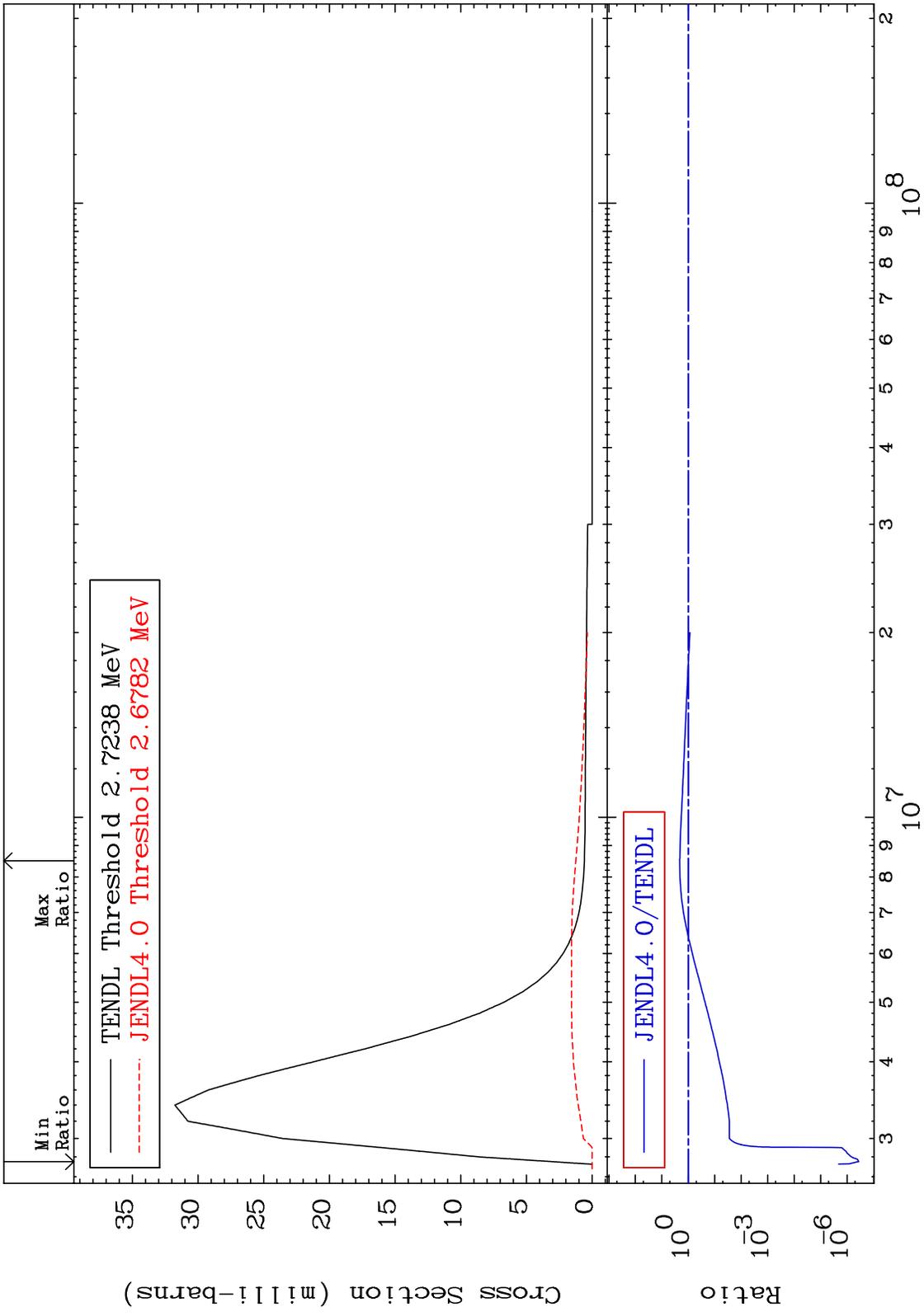


MAT 5061 MT= 67 (n,n') Level Cross Section 50-Sn-124 To 9999. %
 105.6

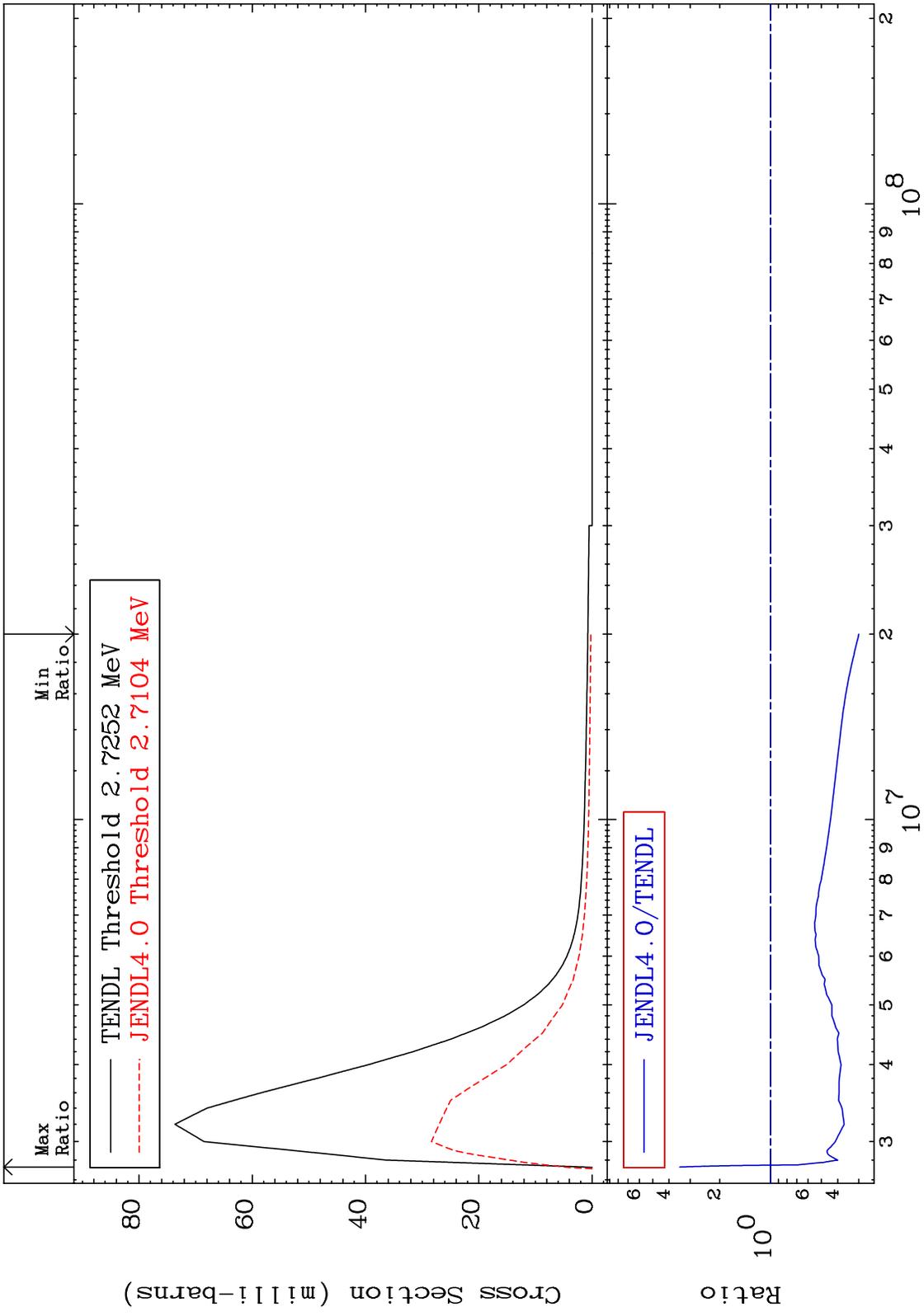


Incident Energy (eV) 50-Sn-124

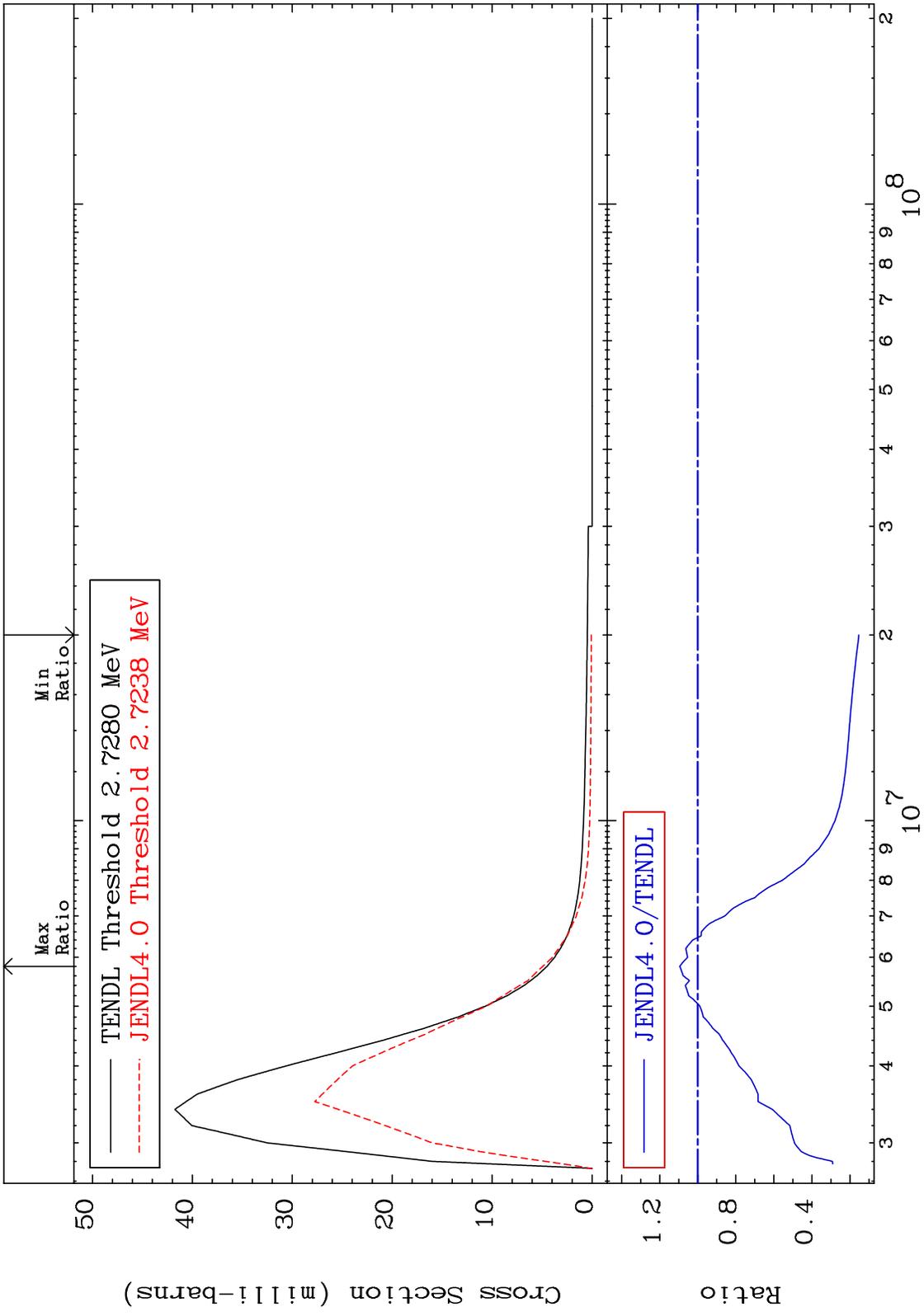
MAT 5061 MT= 68 (n,n') Level Cross Section 50-Sn-124
 -100.0 To 110.0 %



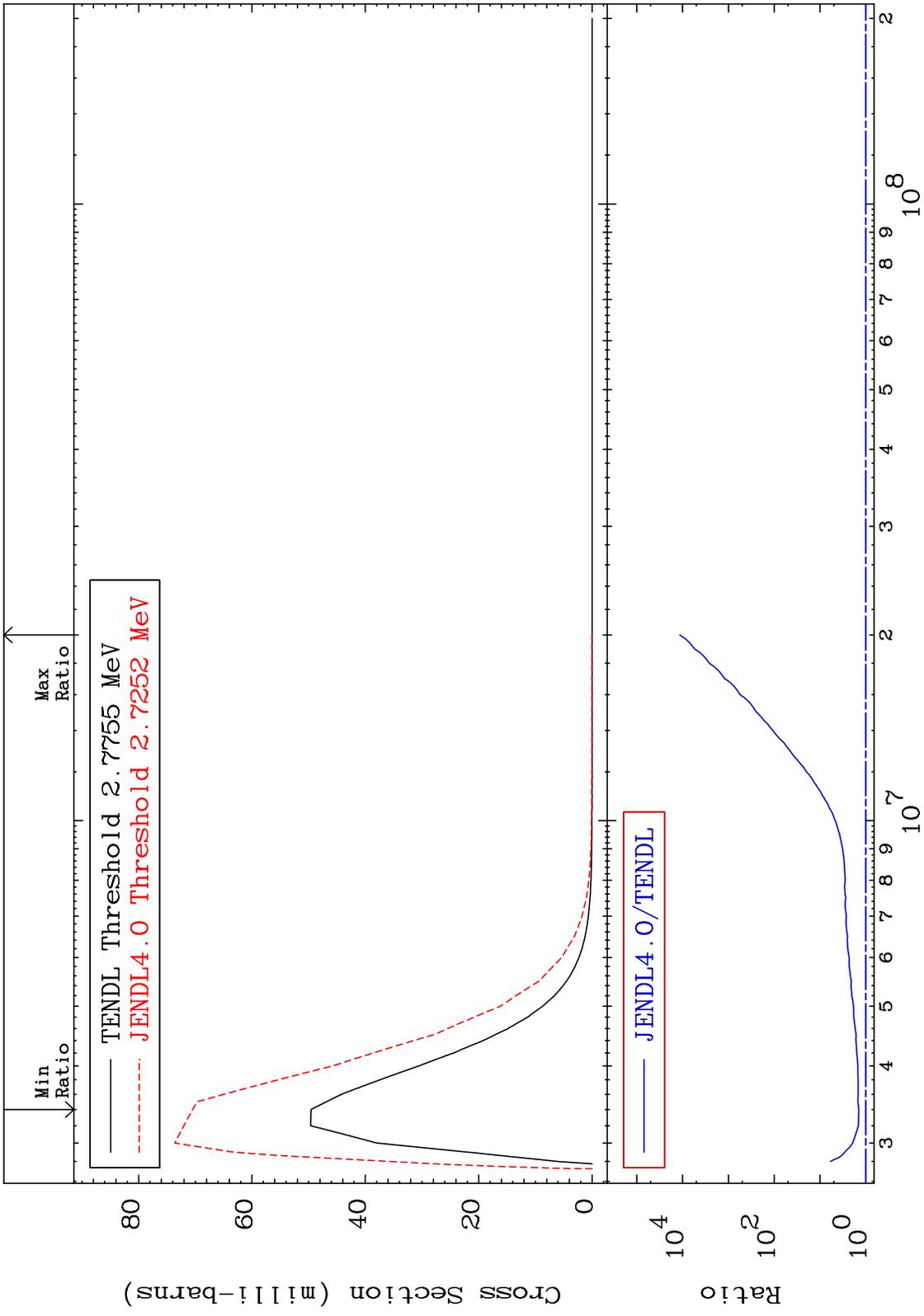
MAT 5061 MT= 69 (n,n') Level Cross Section 50-Sn-124 -70.00 To 245.6 %



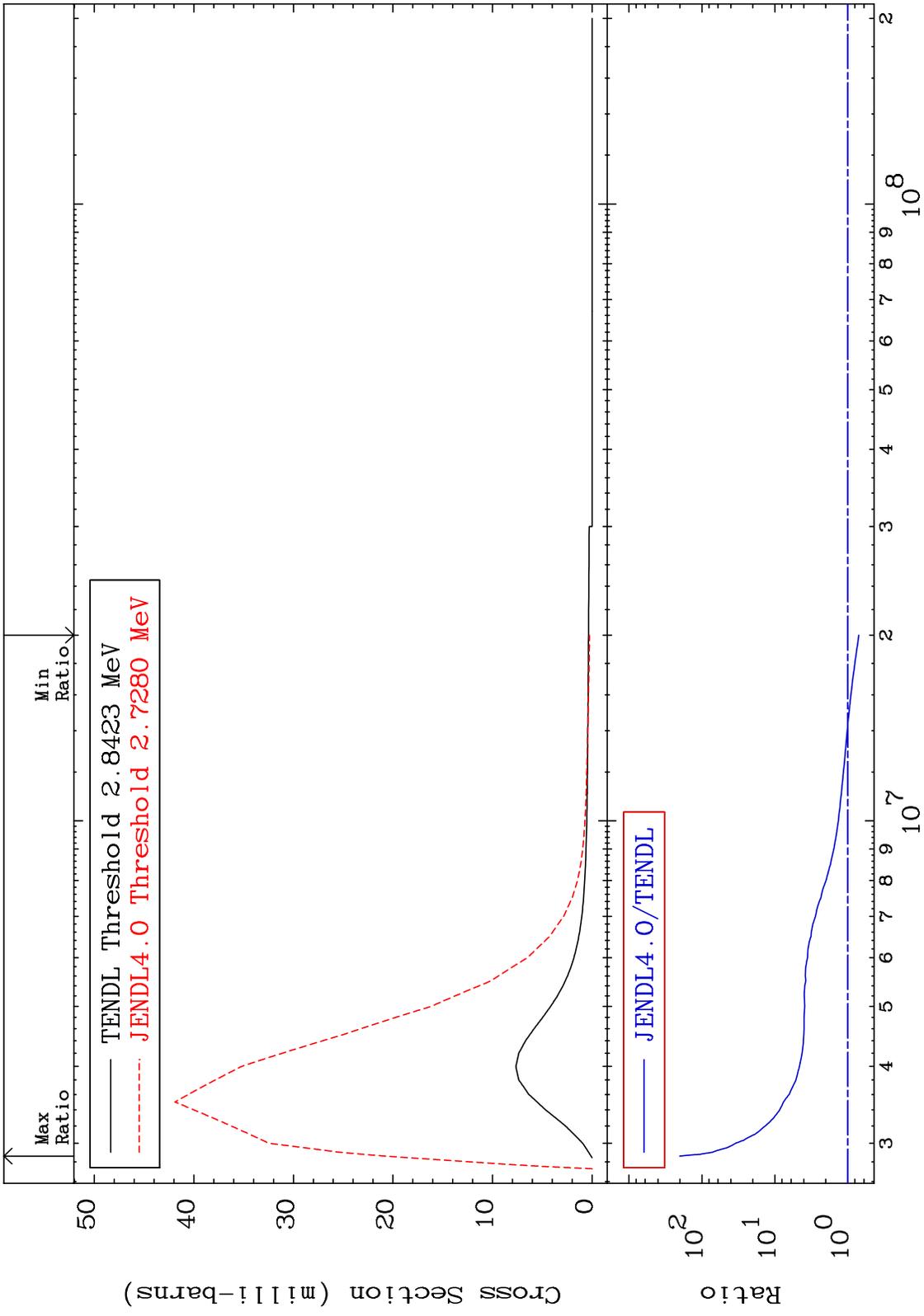
MAT 5061 MT= 70 (n,n') Level Cross Section 50-Sn-124 -84.65 To 9.467 %



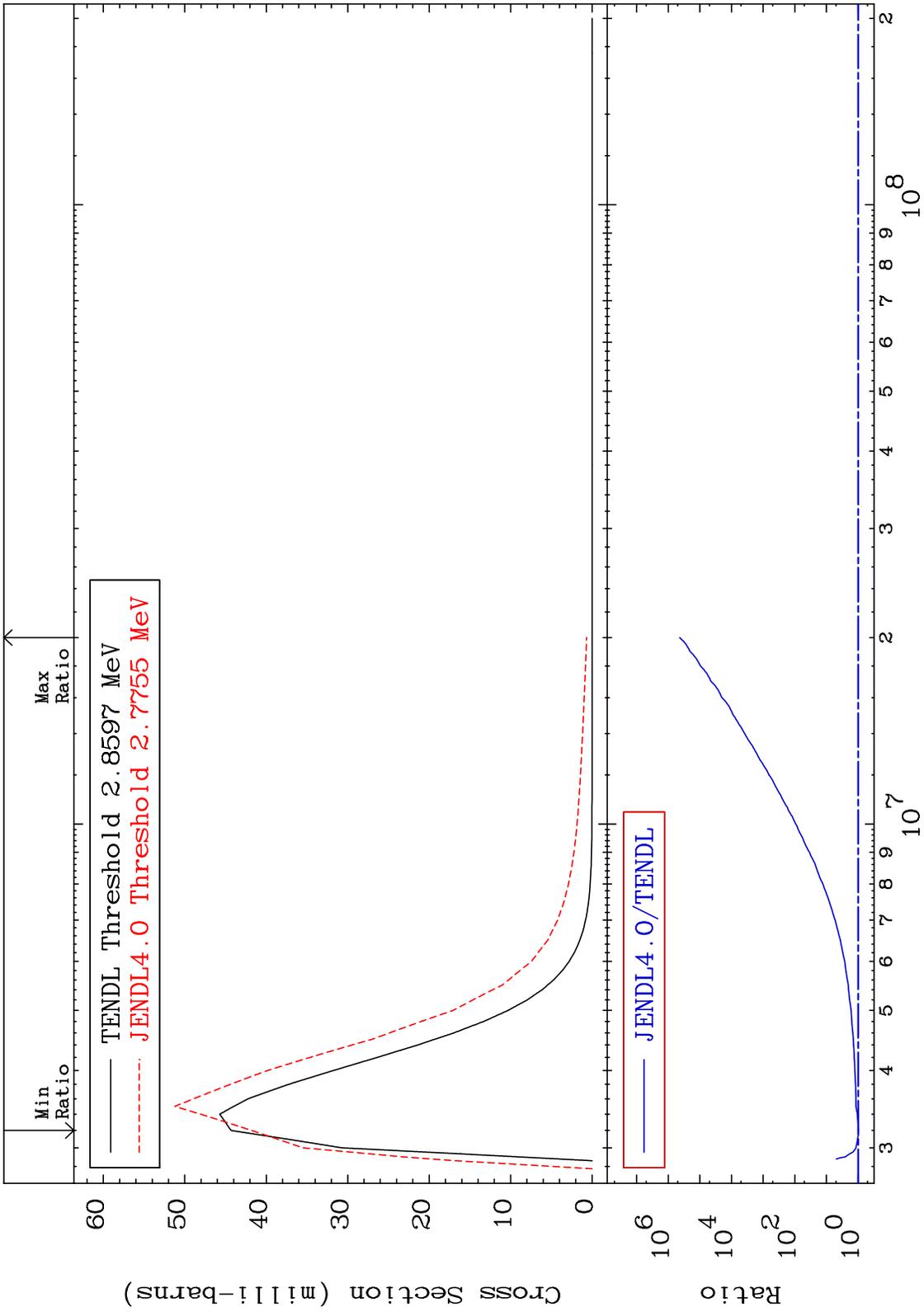
MAT 5061 MT= 71 (n,n') Level Cross Section 50-Sn-124 To 9999. %
 42.15



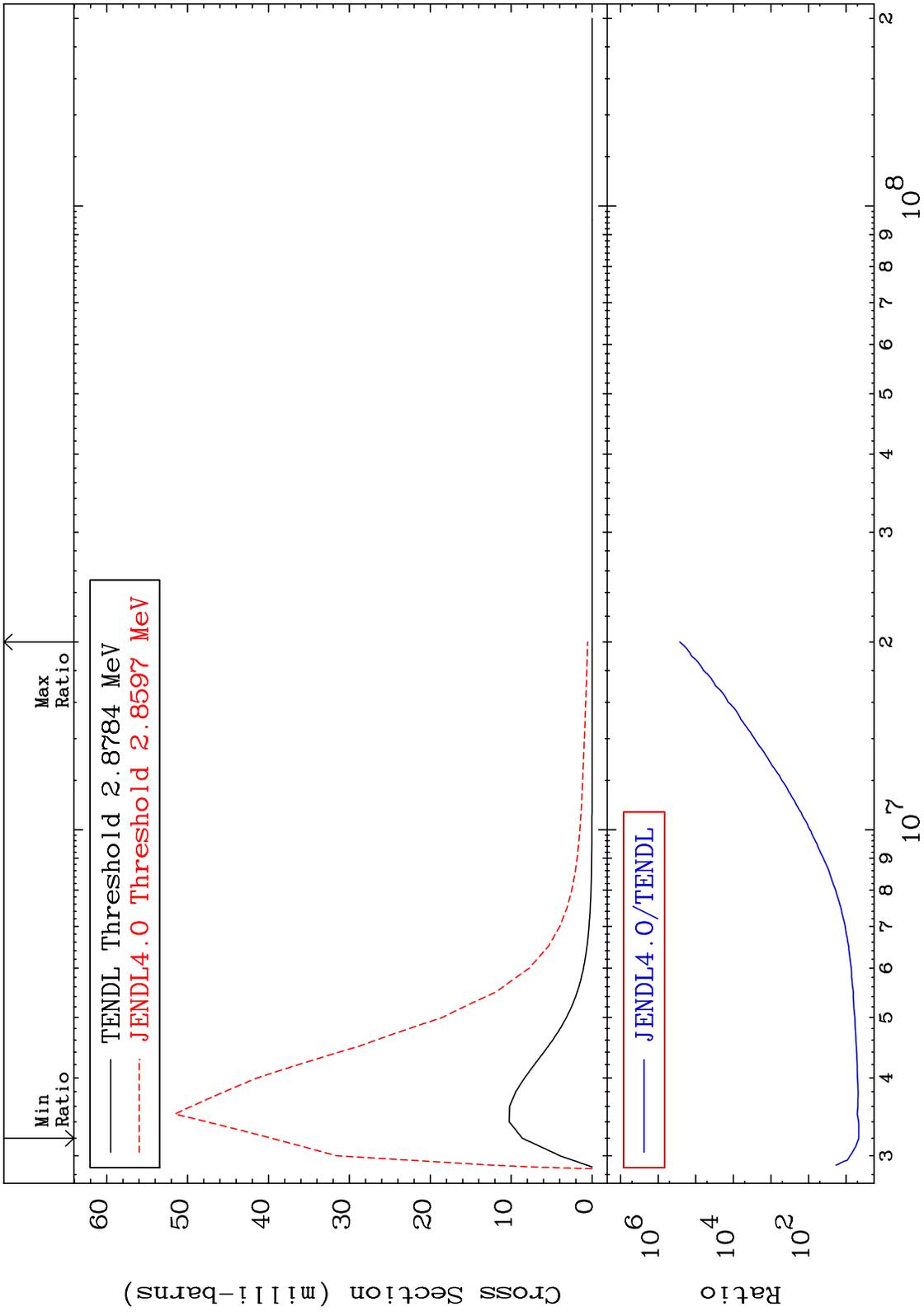
MAT 5061 MT= 72 (n,n') Level Cross Section 50-Sn-124
 -29.45 To 9999. %



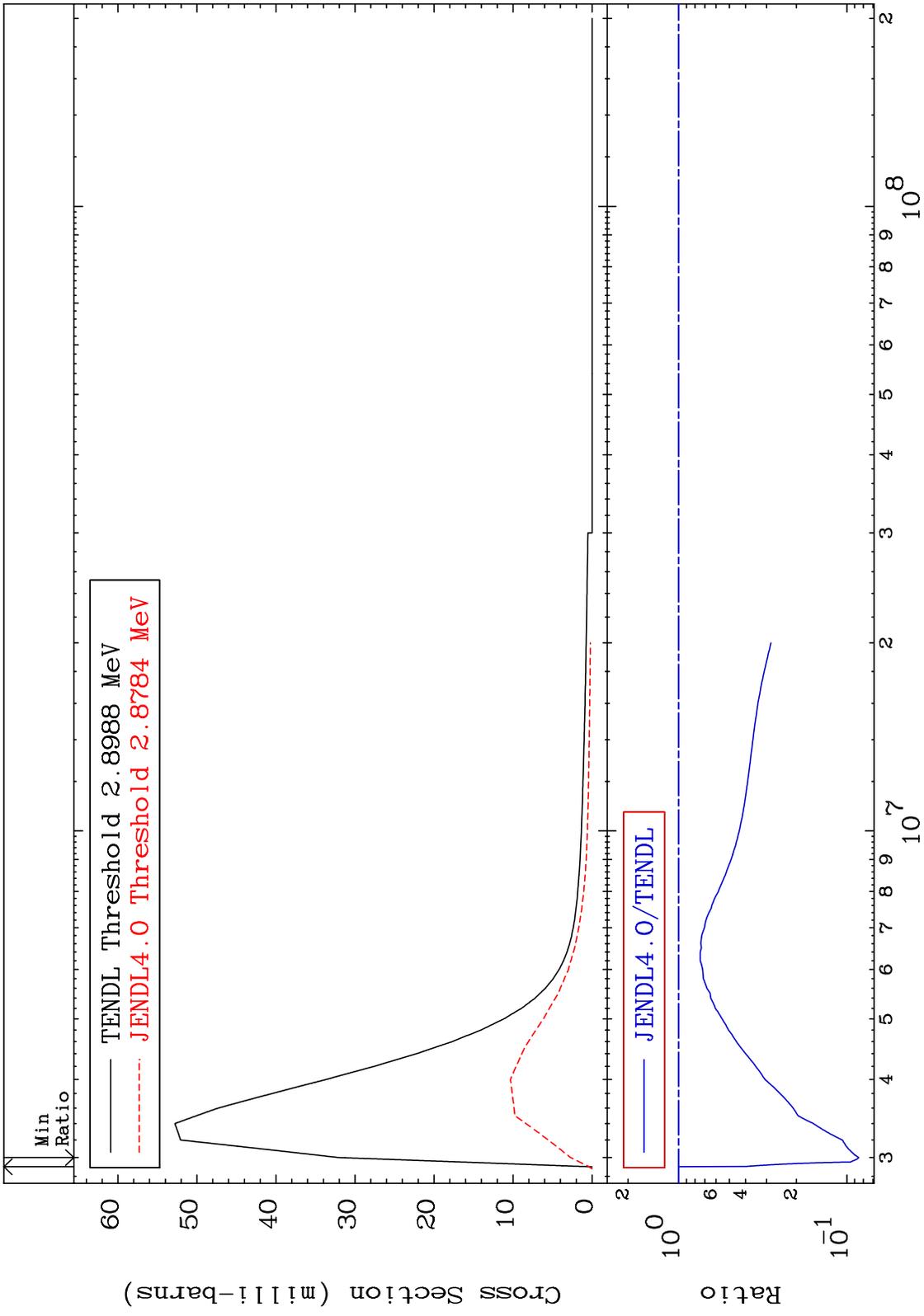
MAT 5061 MT= 73 (n,n') Level Cross Section 50-Sn-124 -5.699 To 9999. %



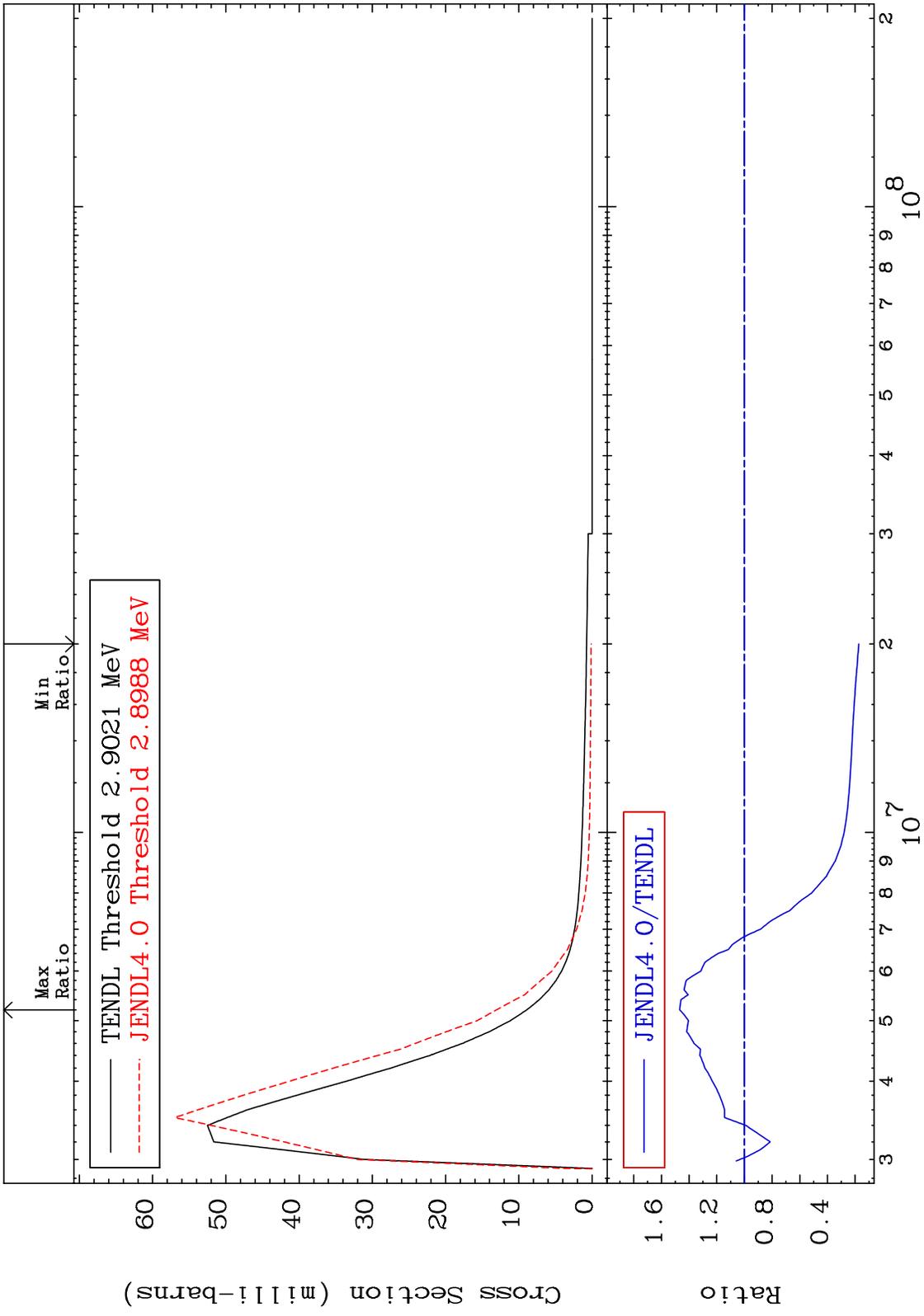
MAT 5061 MT= 74 (n,n') Level Cross Section 50-Sn-124 To 9999. %



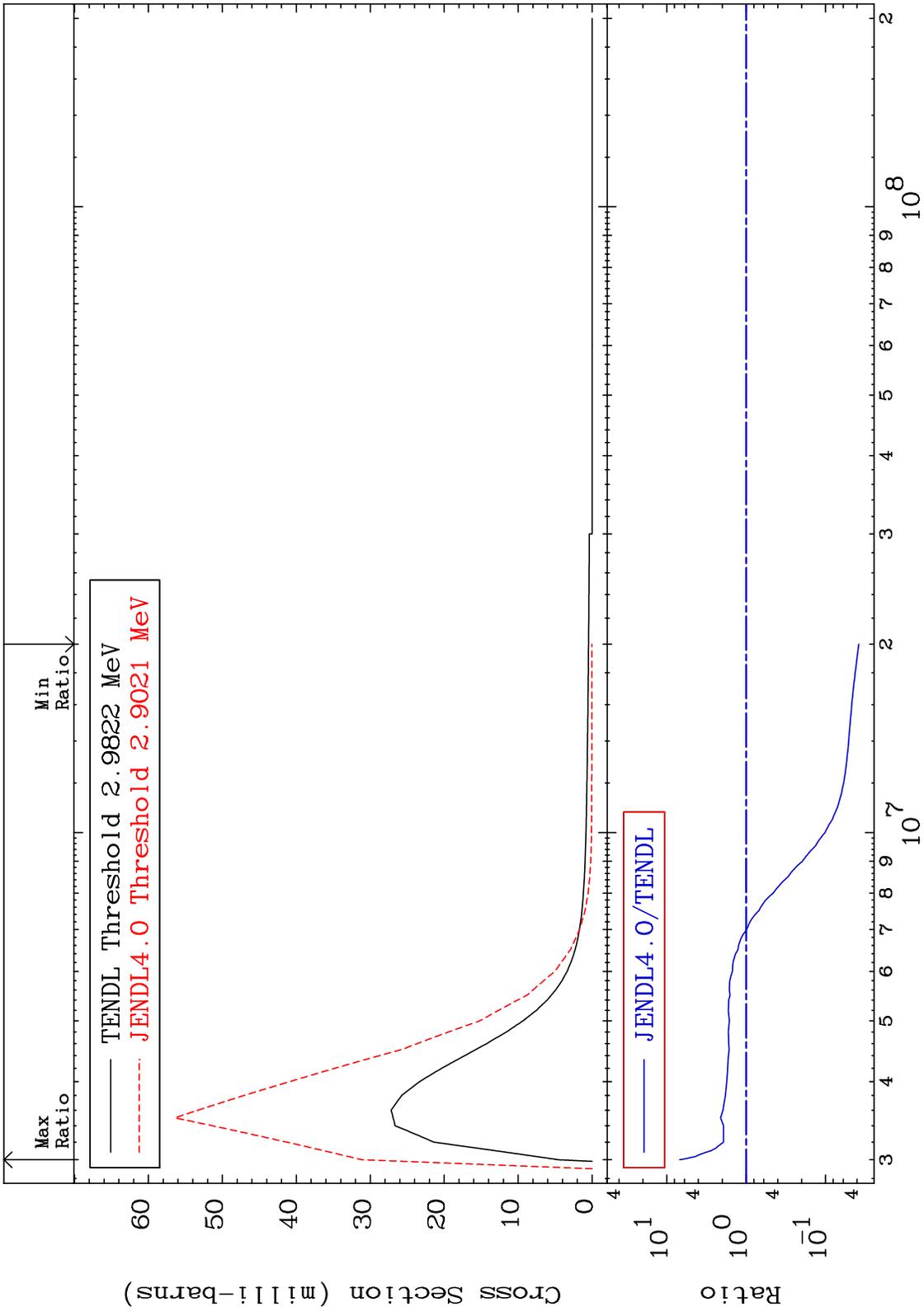
MAT 5061 MT= 75 (n,n') Level Cross Section 50-Sn-124 -91.50 To -1.443%



MAT 5061 MT= 76 (n,n') Level Cross Section 50-Sn-124 -82.65 To 46.75 %



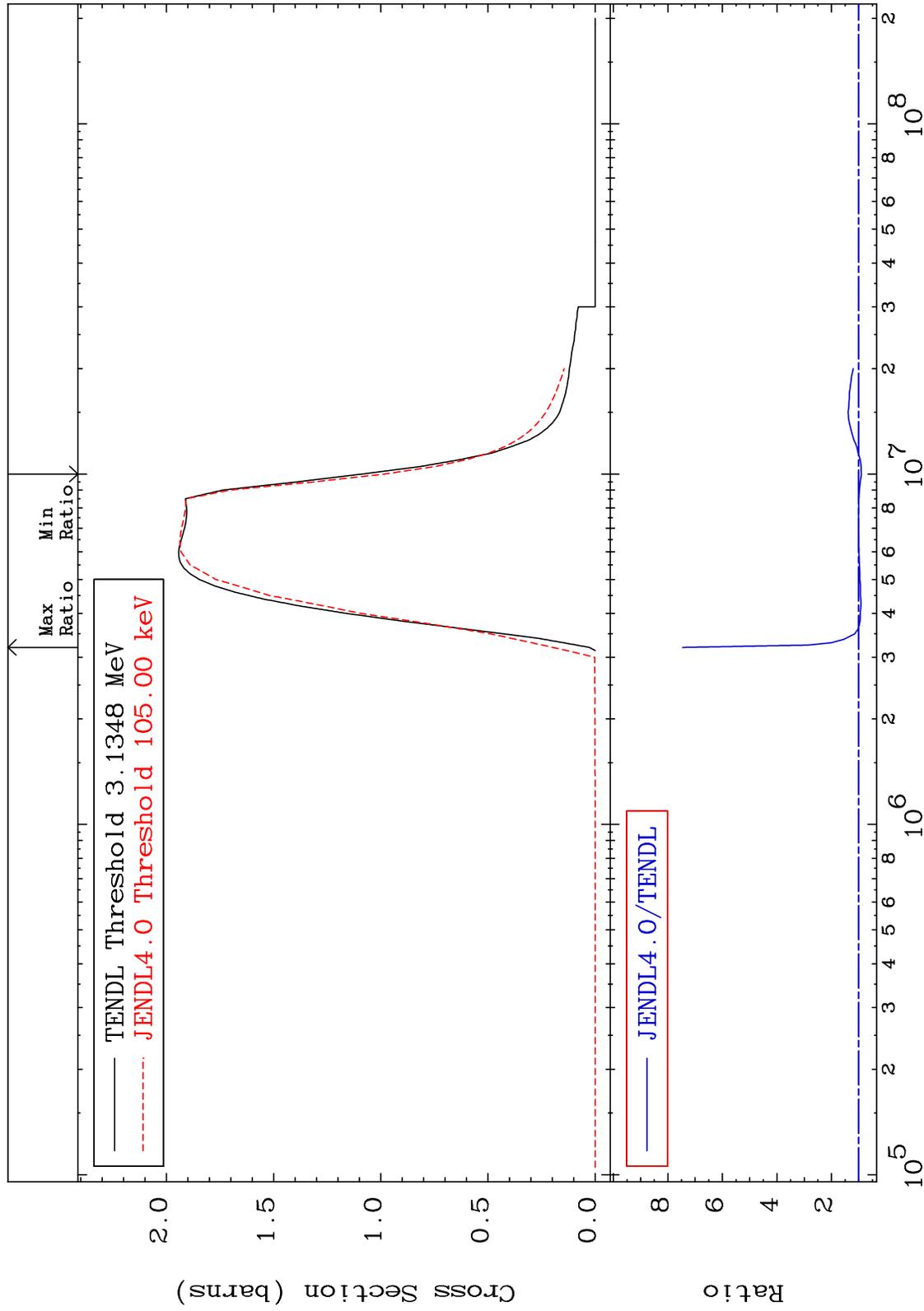
MAT 5061 MT= 77 (n,n') Level Cross Section 50-Sn-124 -96.19 To 586.8 %



MAT 5061

(n,n') Continuum
Cross Section

50-Sn-124
-9.651 To 645.8 %



35

50-Sn-124

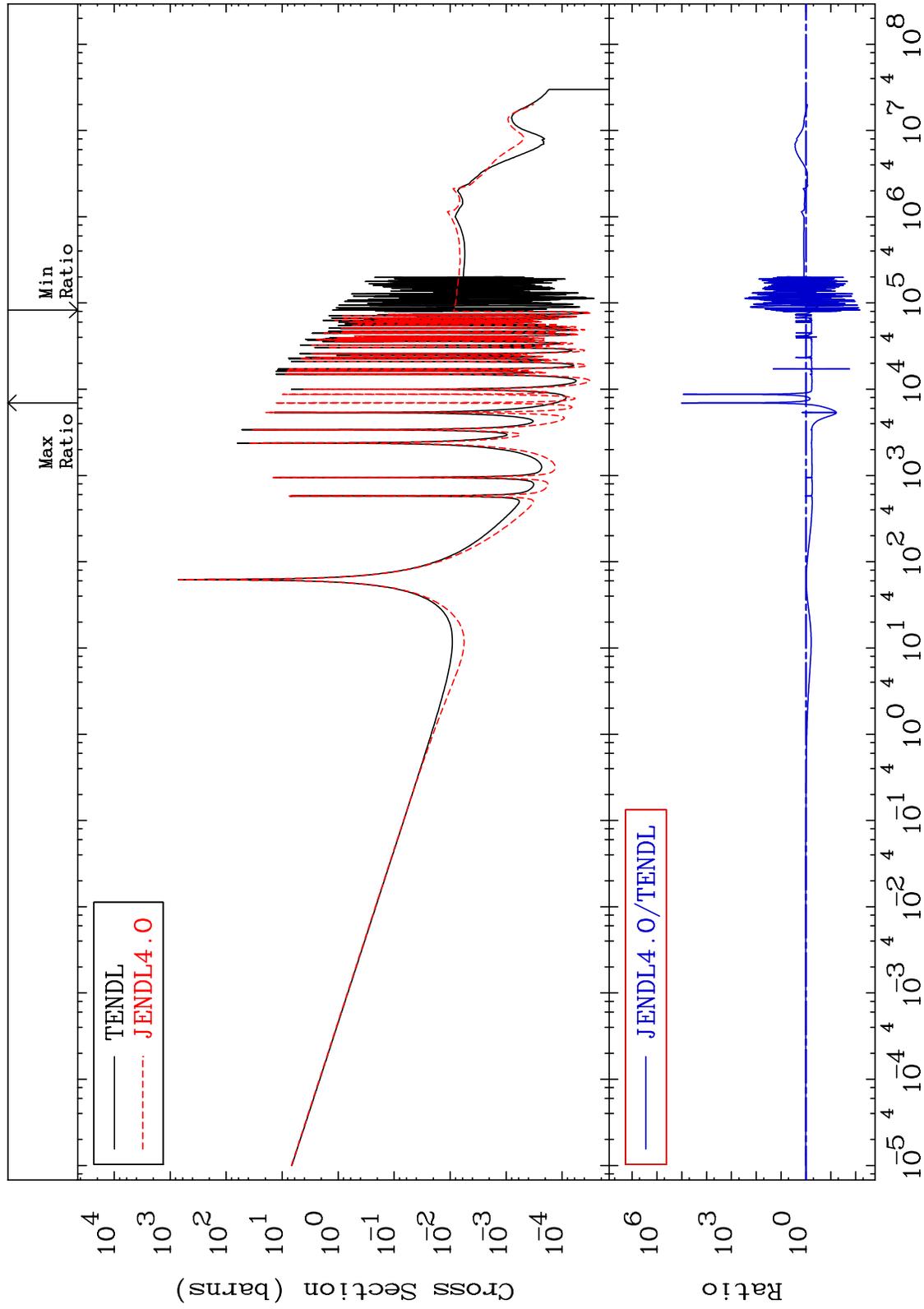
MAT 5061

(n, γ)

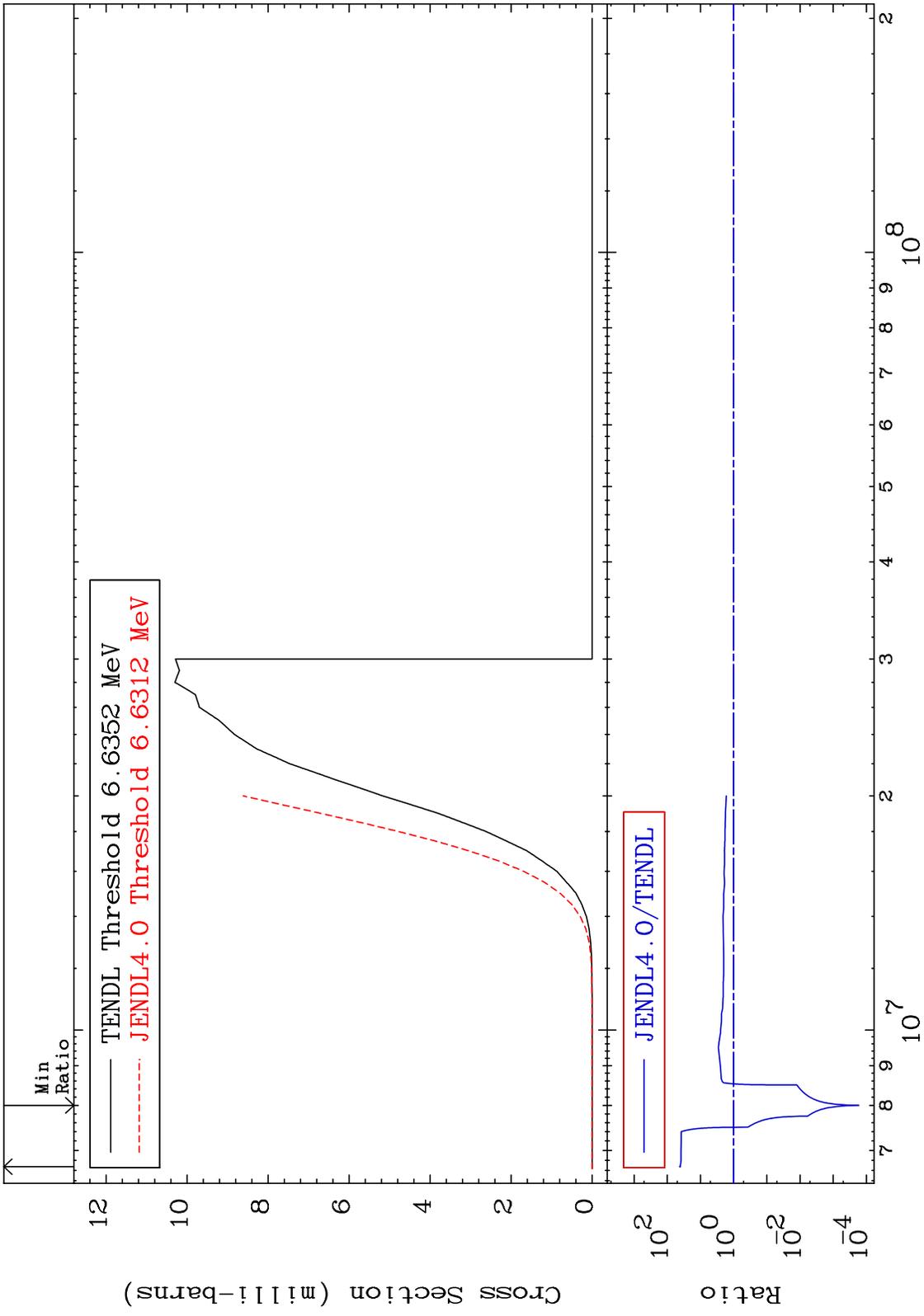
50-Sn-124

Cross Section

-99.32 To 9999. %

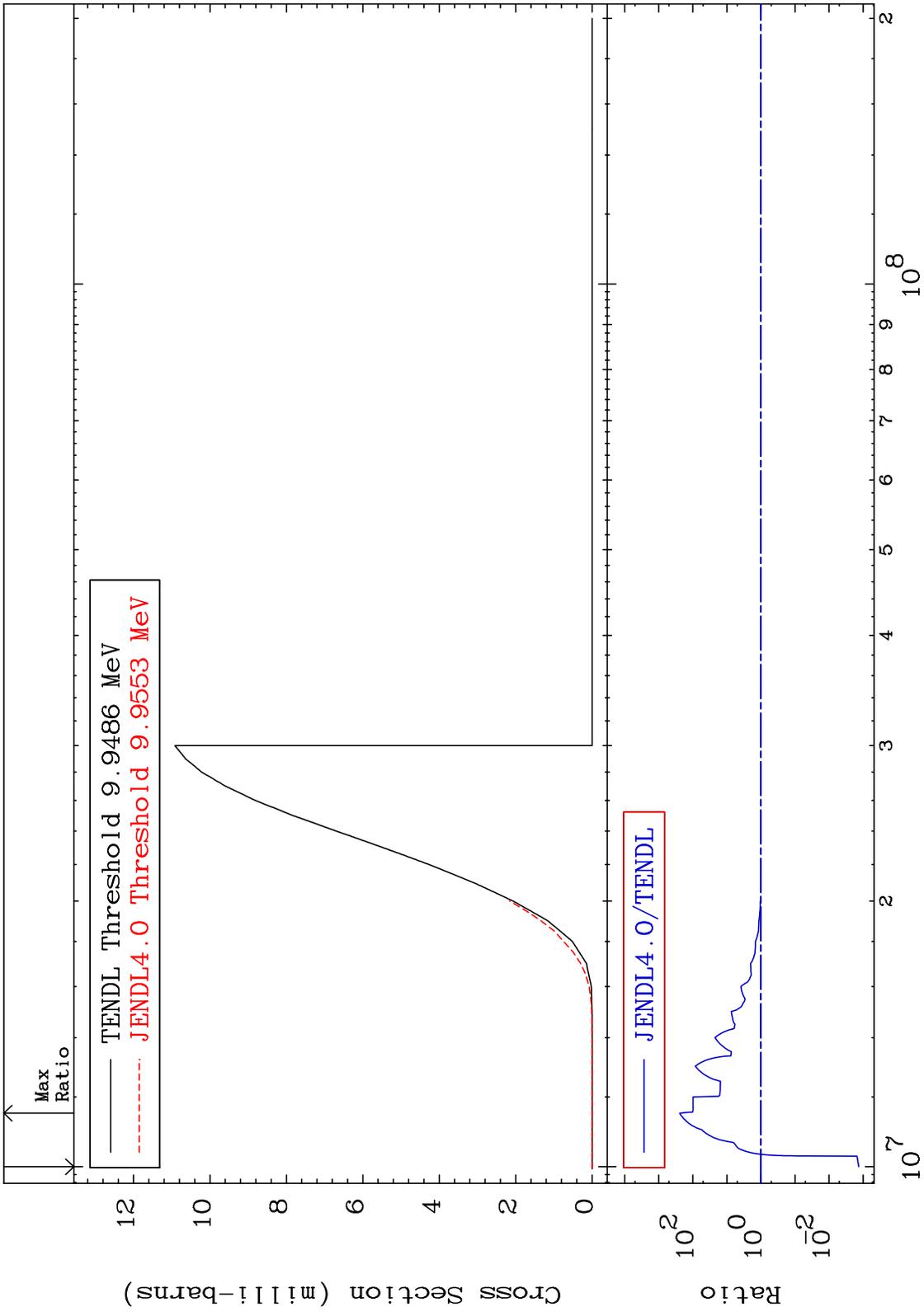


MAT 5061 (n,p) Cross Section 50-Sn-124 -99.98 To 4101. %

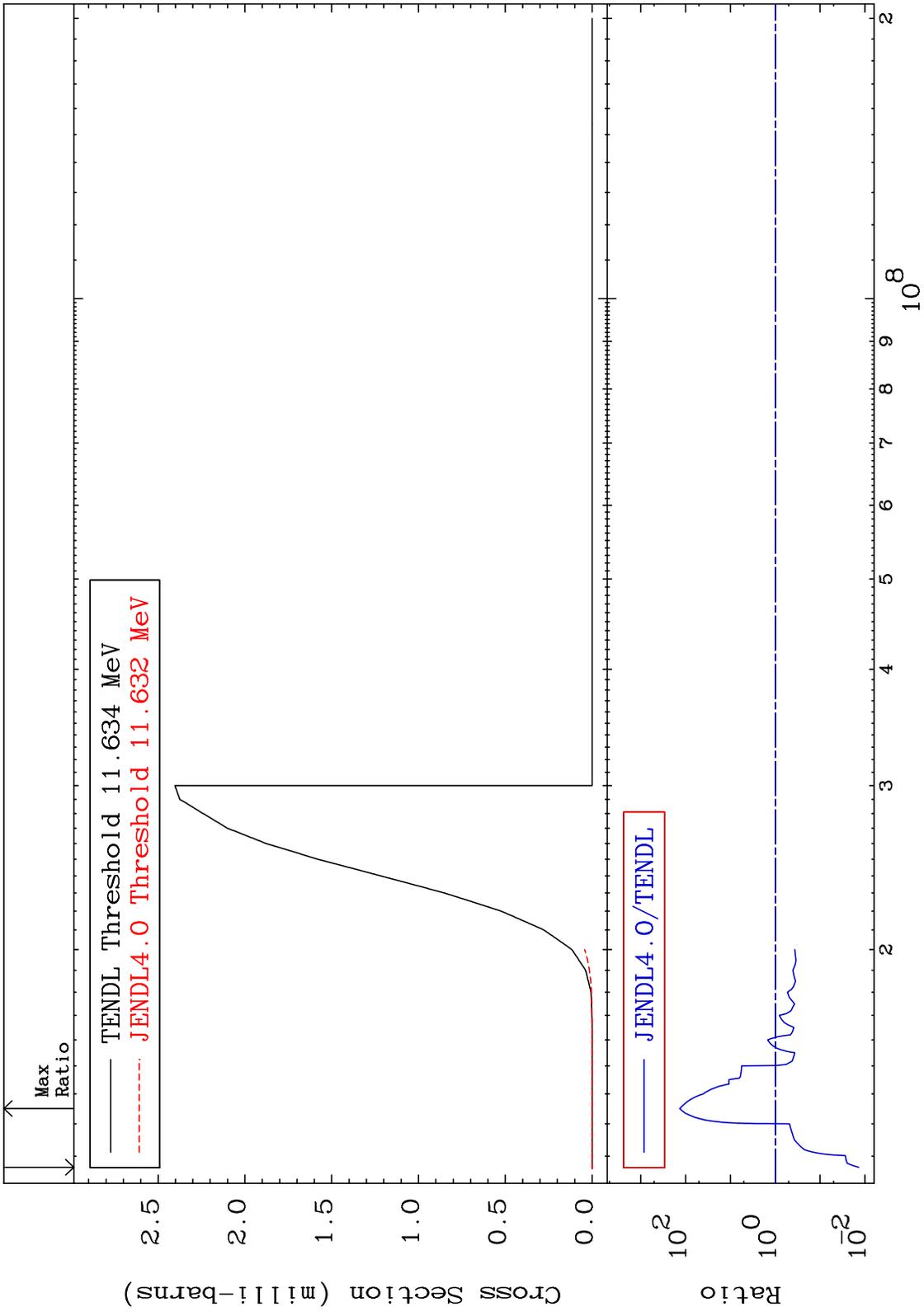


37 Incident Energy (eV) 50-Sn-124

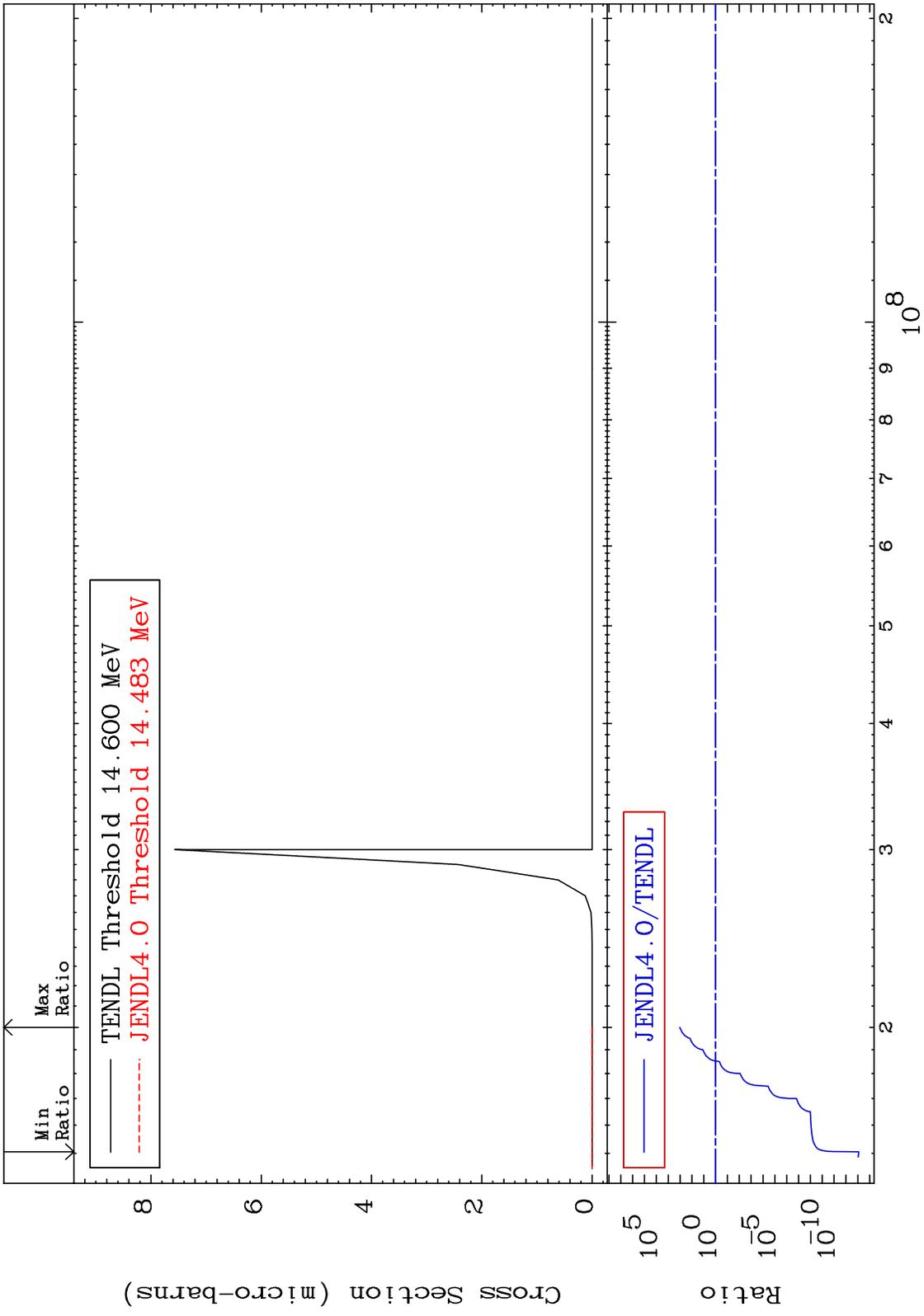
MAT 5061 (n,d) 50-Sn-124
Cross Section -99.87 To 9999. %



38 50-Sn-124



MAT 5061 (n, He-3) 50-Sn-124
 Cross Section -100.0 To 9999. %



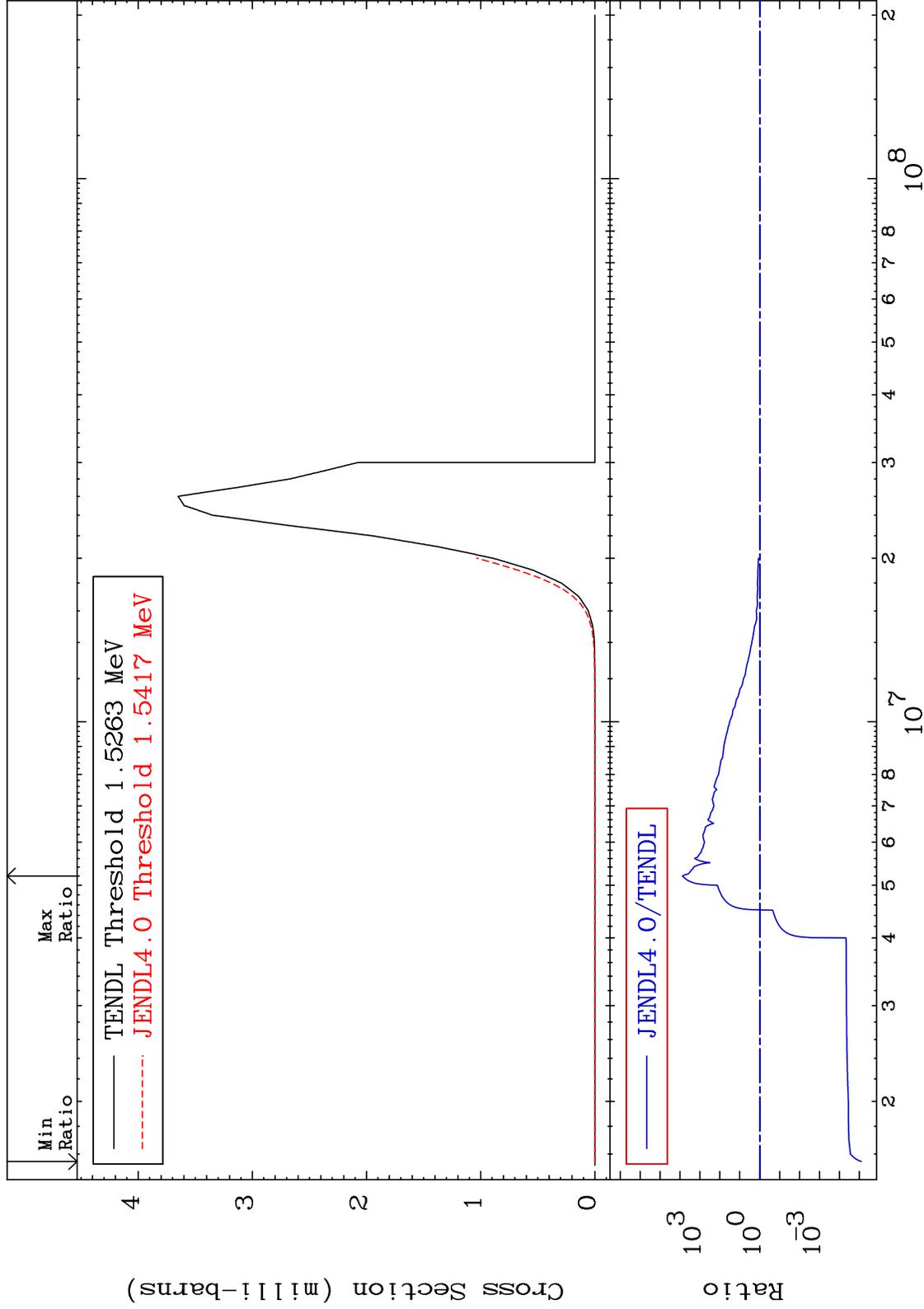
MAT 5061

(n, α)

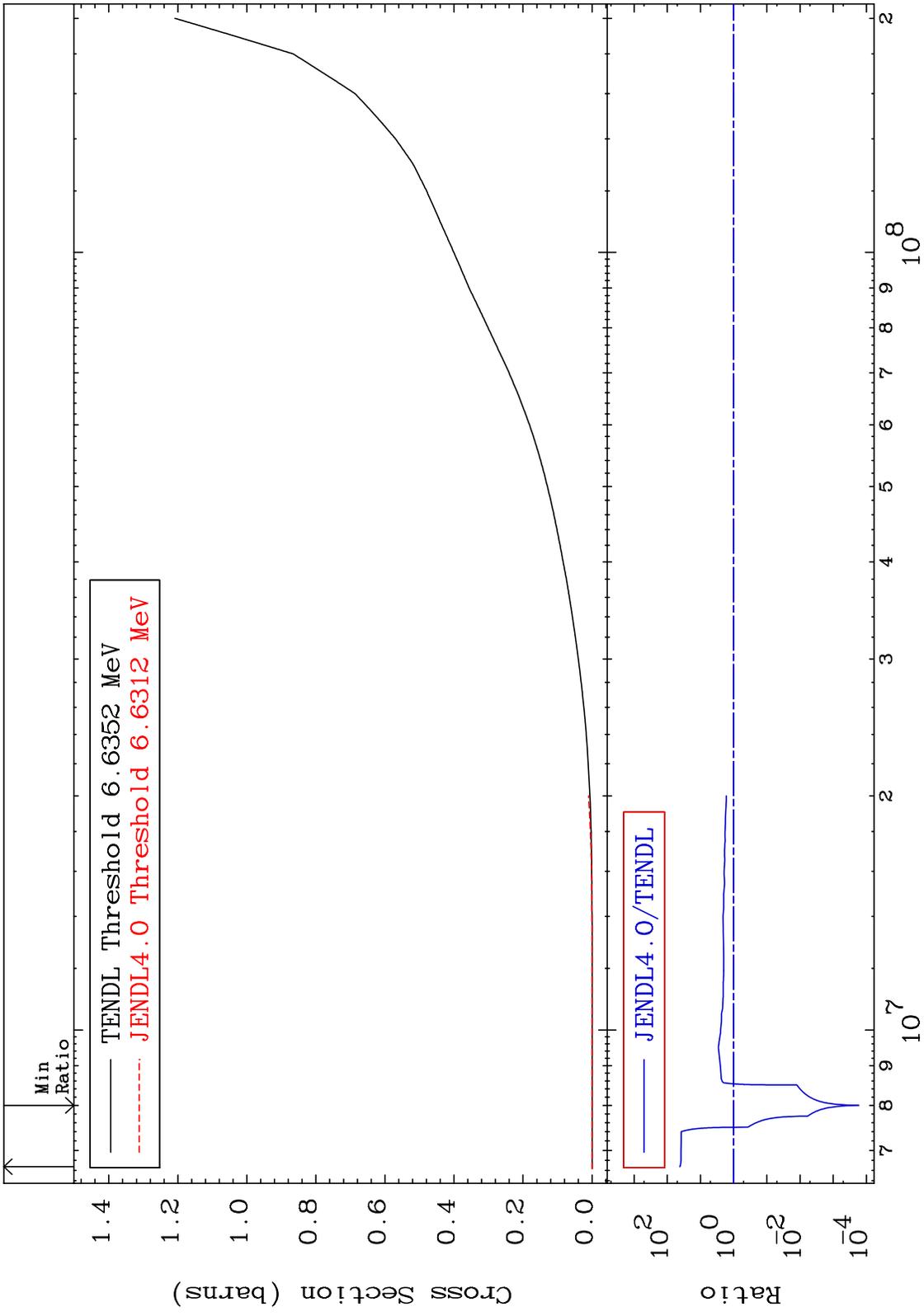
50-Sn-124

-100.0 To 9999. %

Cross Section



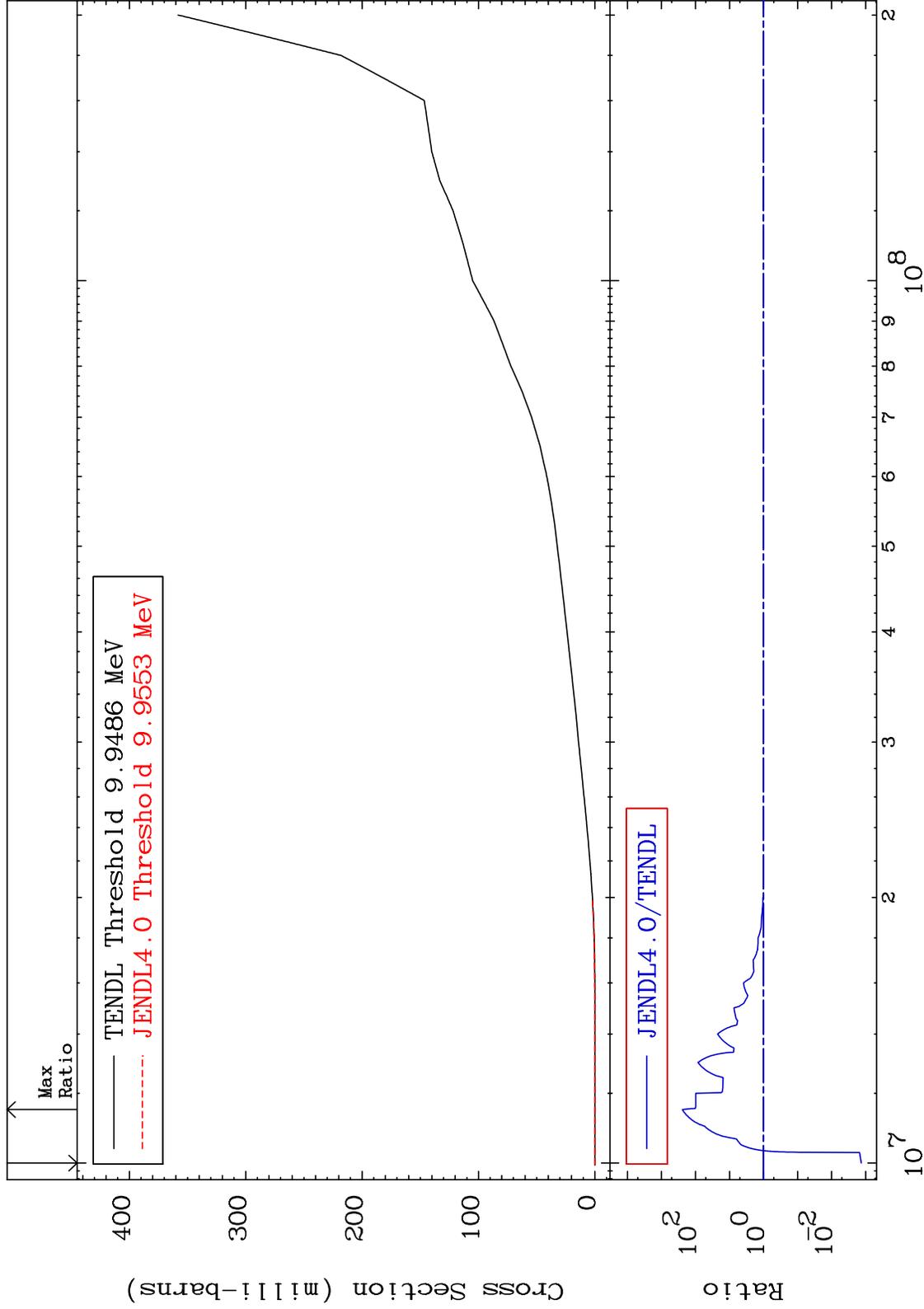
MAT 5061 Hydrogen Production Cross Section 50-Sn-124 -99.98 To 4101. %



MAT 5061

Deuterium Production
Cross Section

50-Sn-124
-99.87 To 9999. %

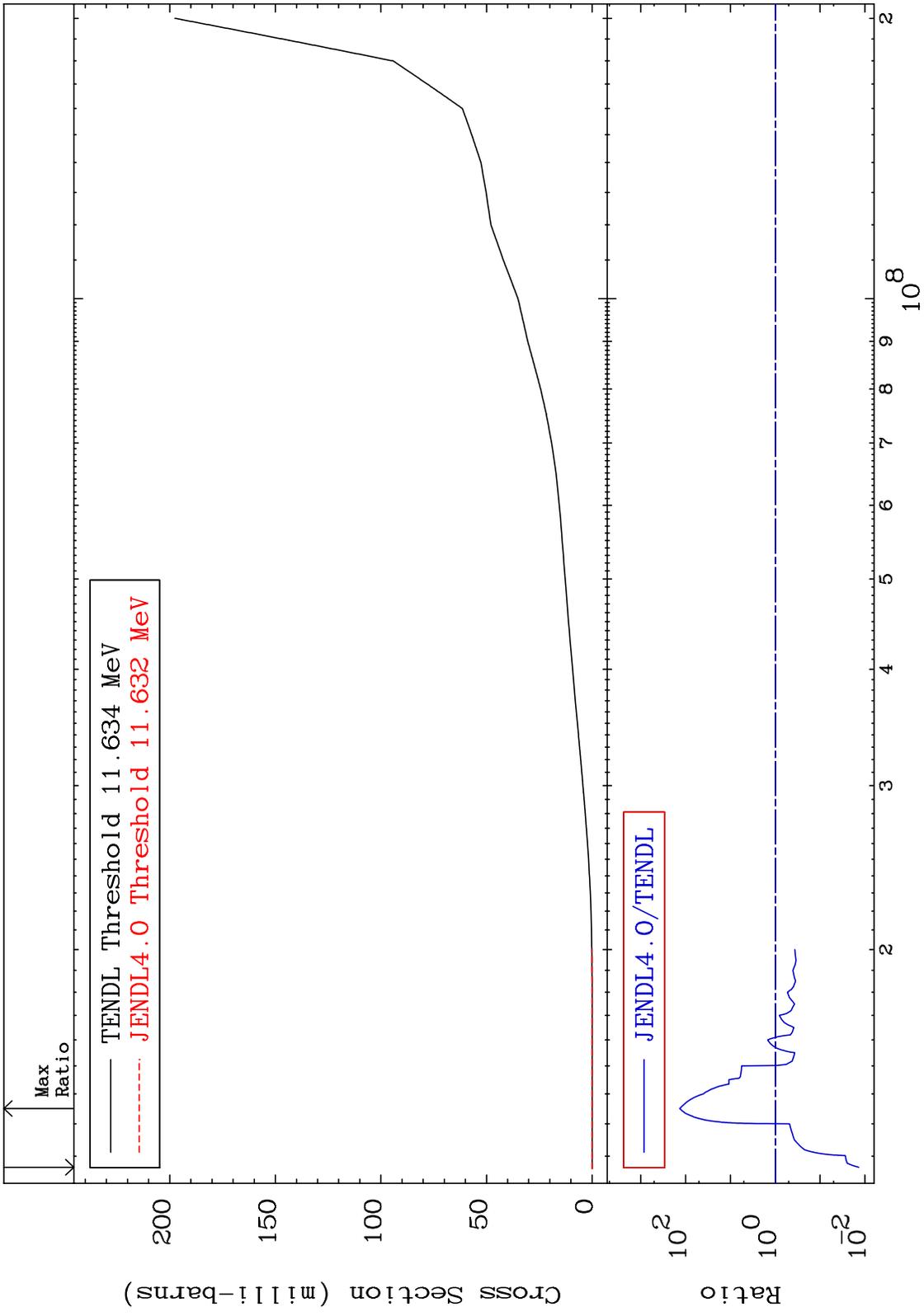


43

Incident Energy (eV)

50-Sn-124

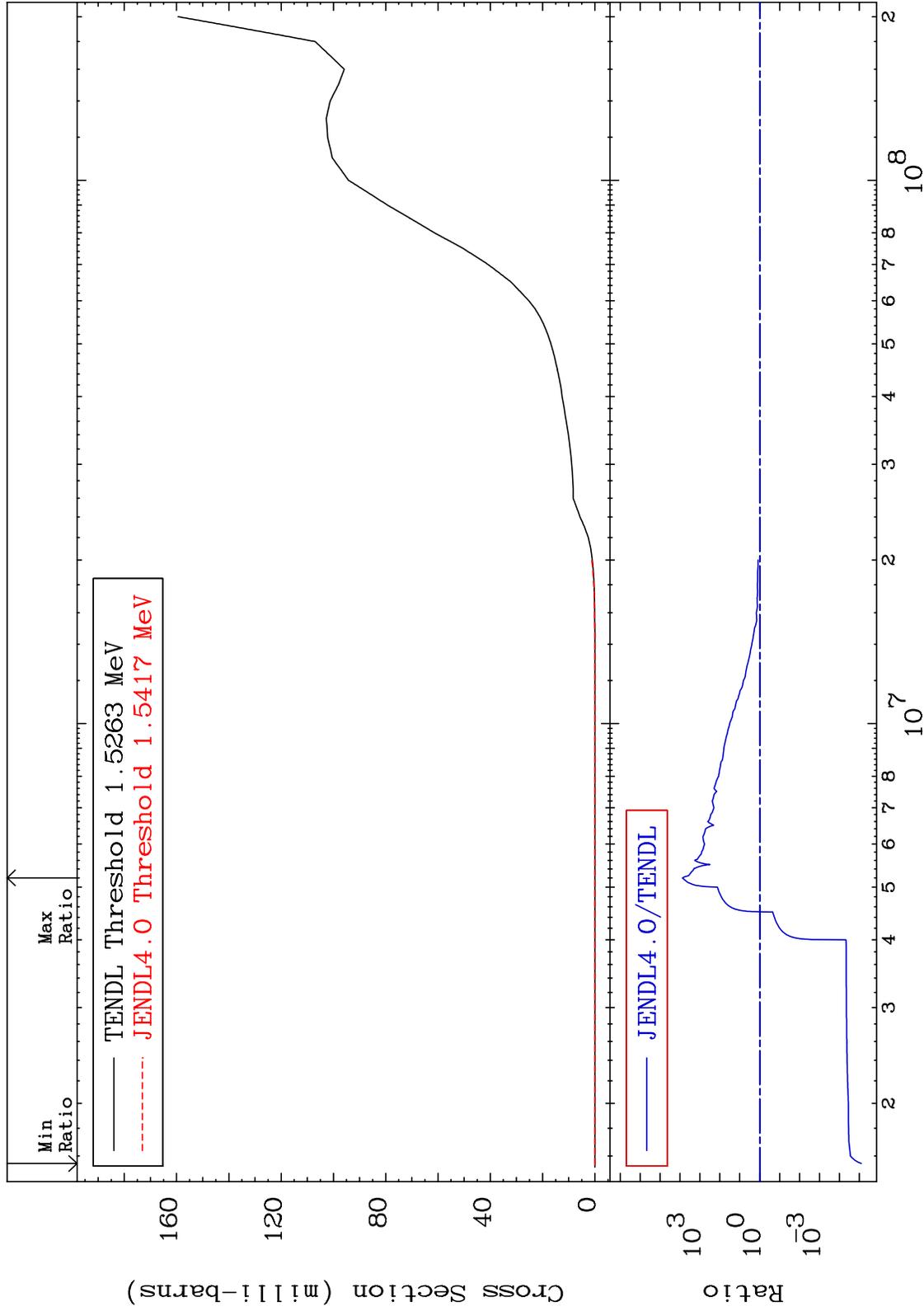
MAT 5061 Tritium Production Cross Section 50-Sn-124 -98.63 To 9999. %



MAT 5061

He-4 Production
Cross Section

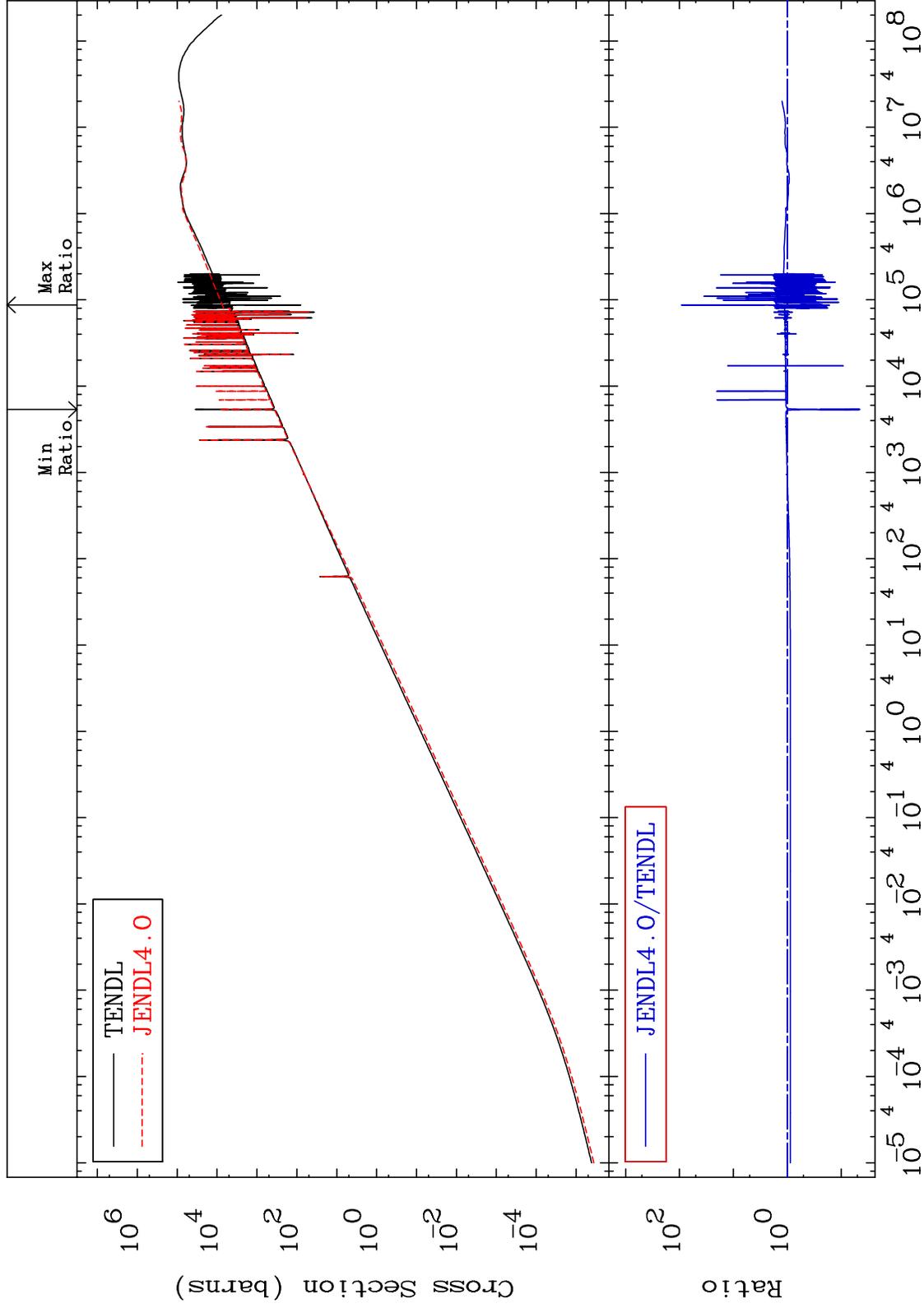
50-Sn-124
-100.0 To 9999. %



MAT 5061

Kerma elastic
Cross Section

50-Sn-124
-95.48 To 9190. %

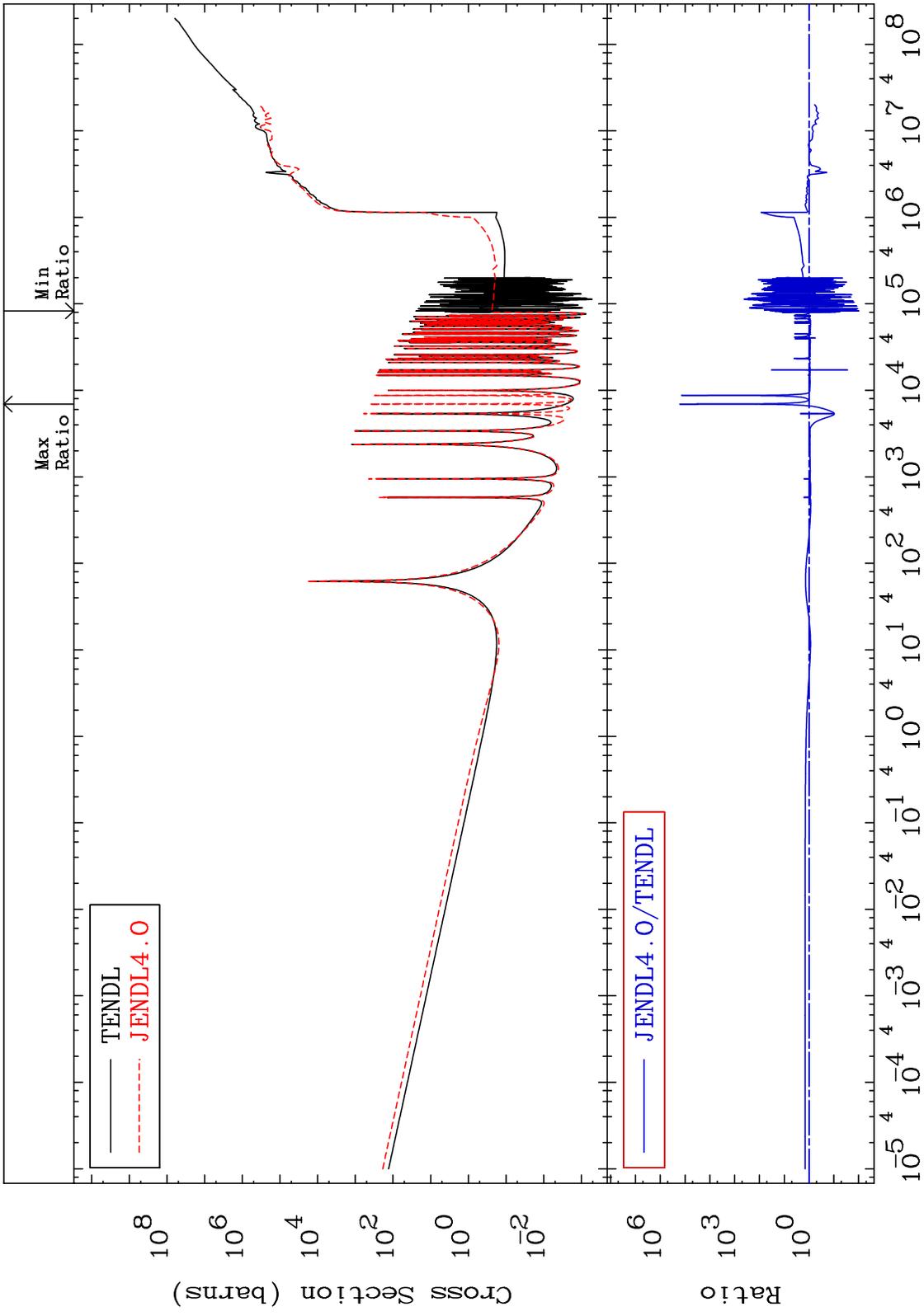


48

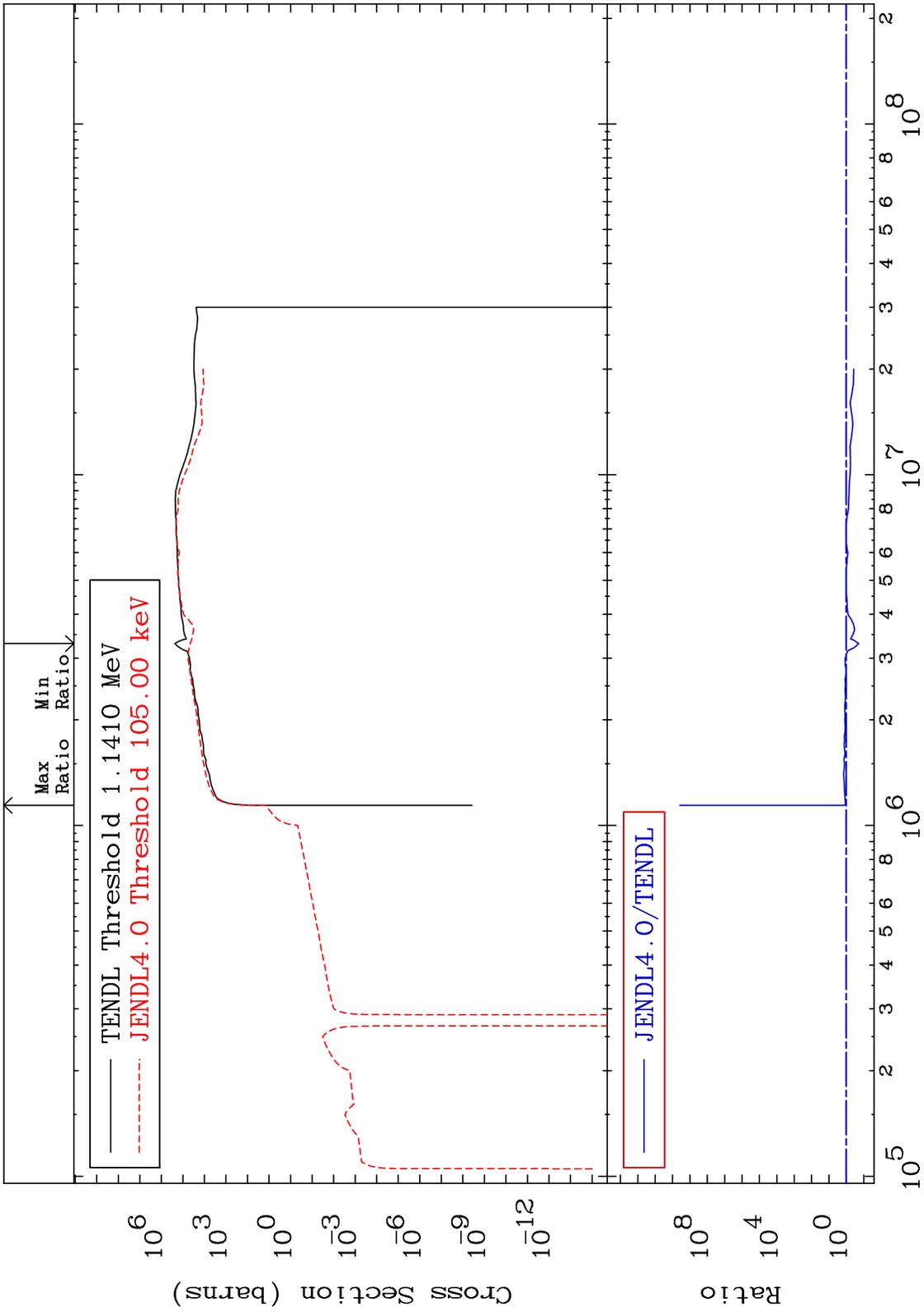
Incident Energy (eV)

50-Sn-124

MAT 5061 Kerma non-elastic (all but mt2) 50-Sn-124
 Cross Section -99.02 To 9999. %



MAT 5061 Kerma inelastic (mt51-91) 50-Sn-124
 -80.85 To 9999. %
 Cross Section

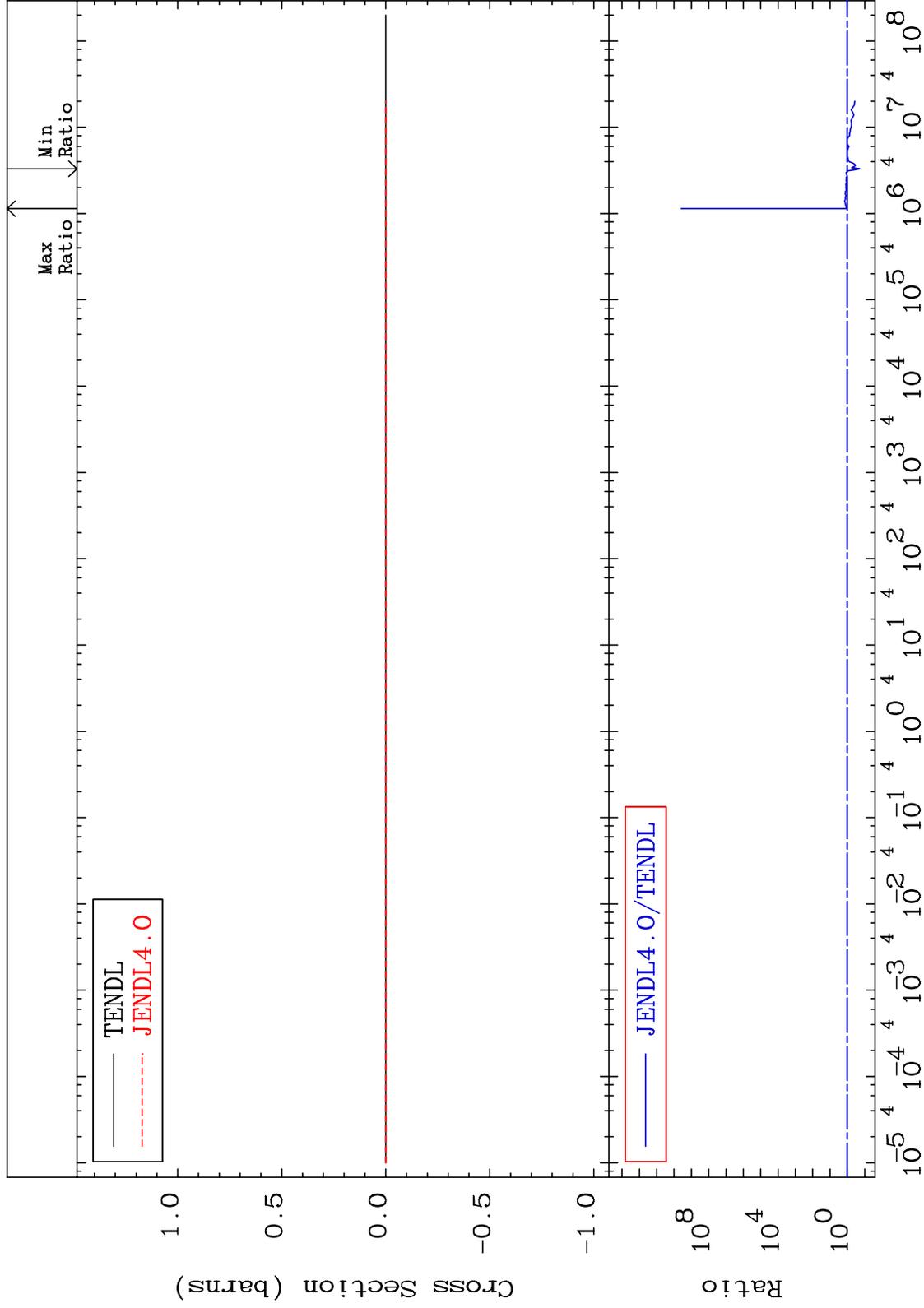


50 Incident Energy (eV) 50-Sn-124

MAT 5061

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

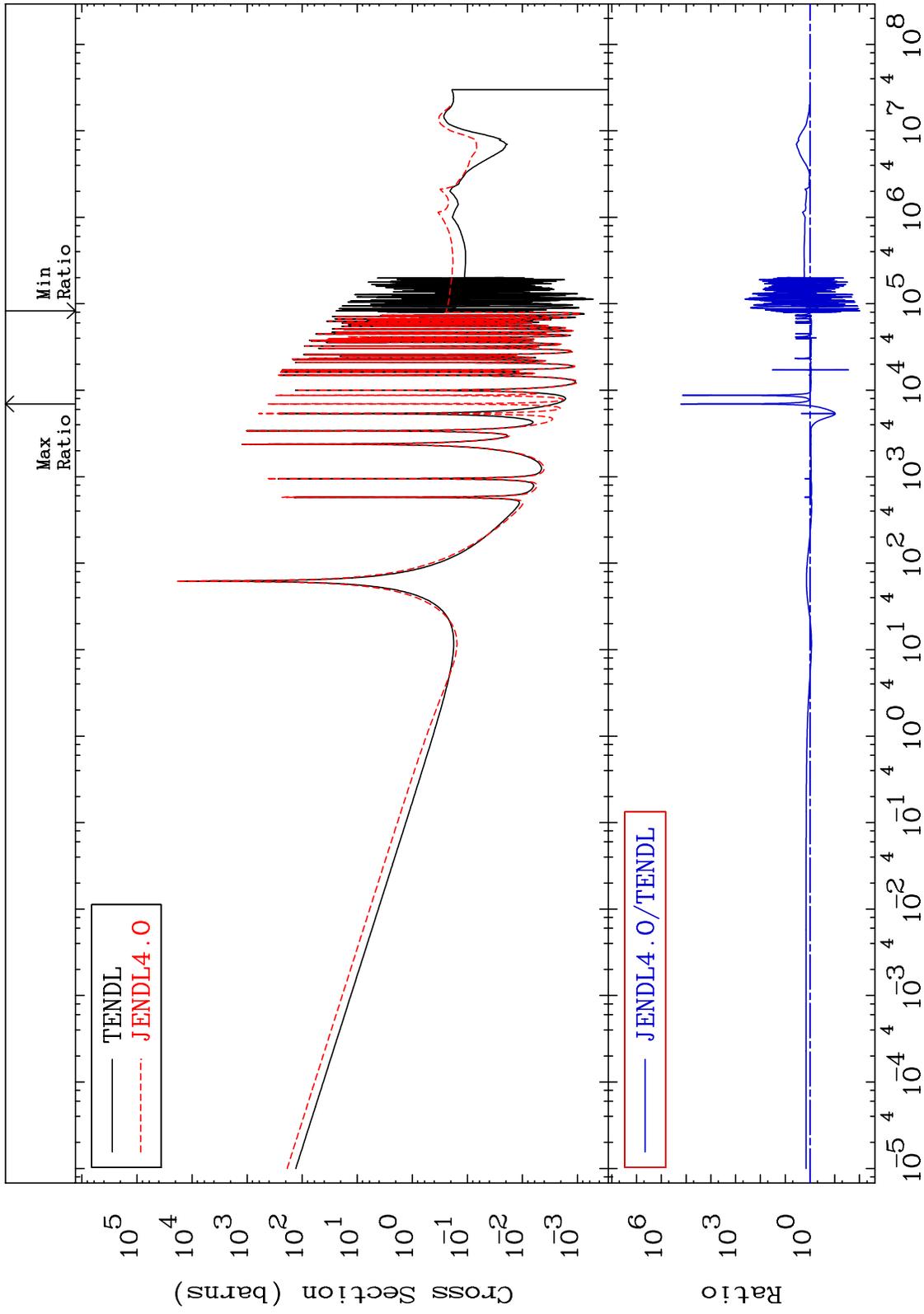
50-Sn-124
-80.85 To 9999. %



MAT 5061

Kerma capture (mt102)
Cross Section

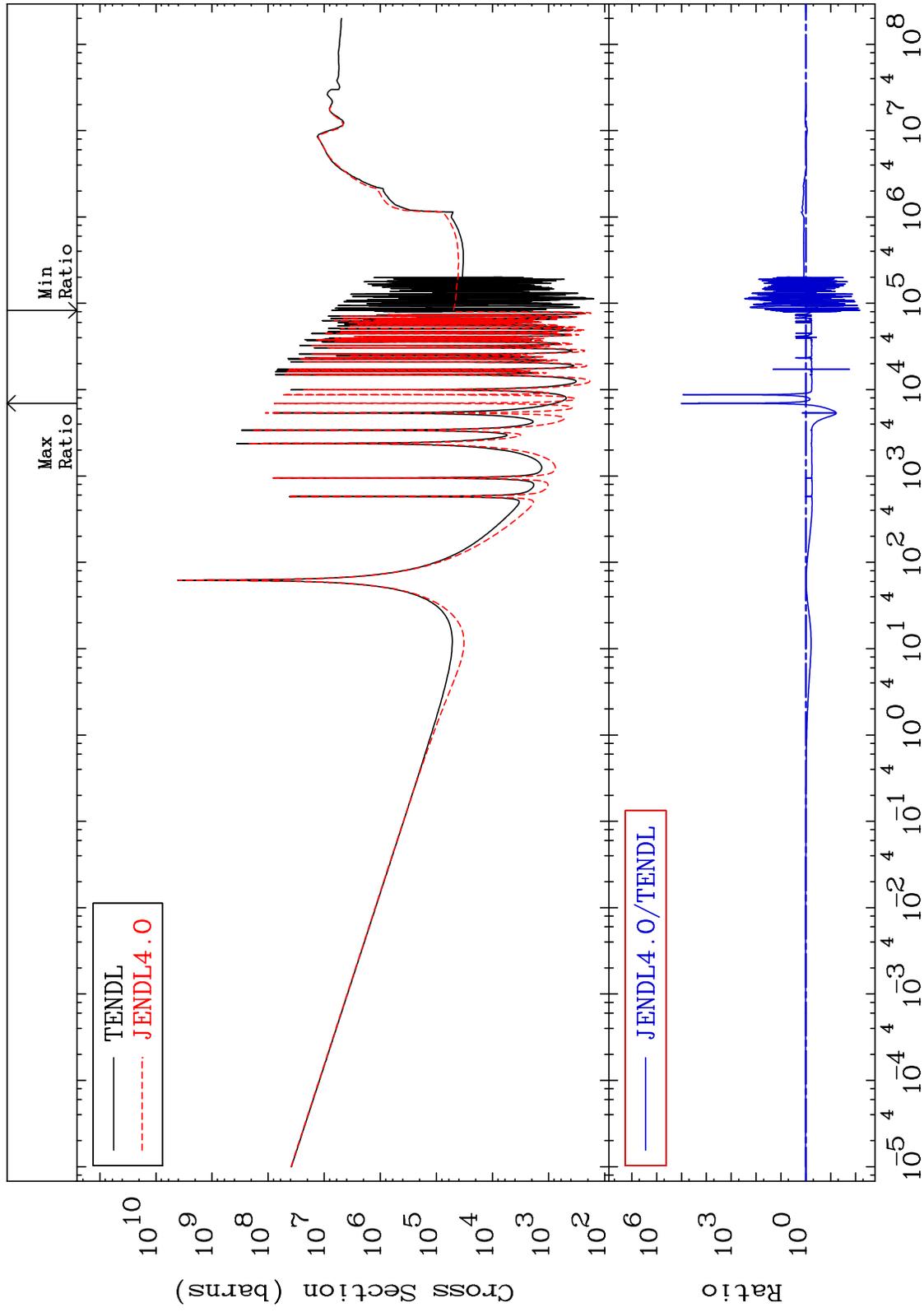
50-Sn-124
-99.02 To 9999. %



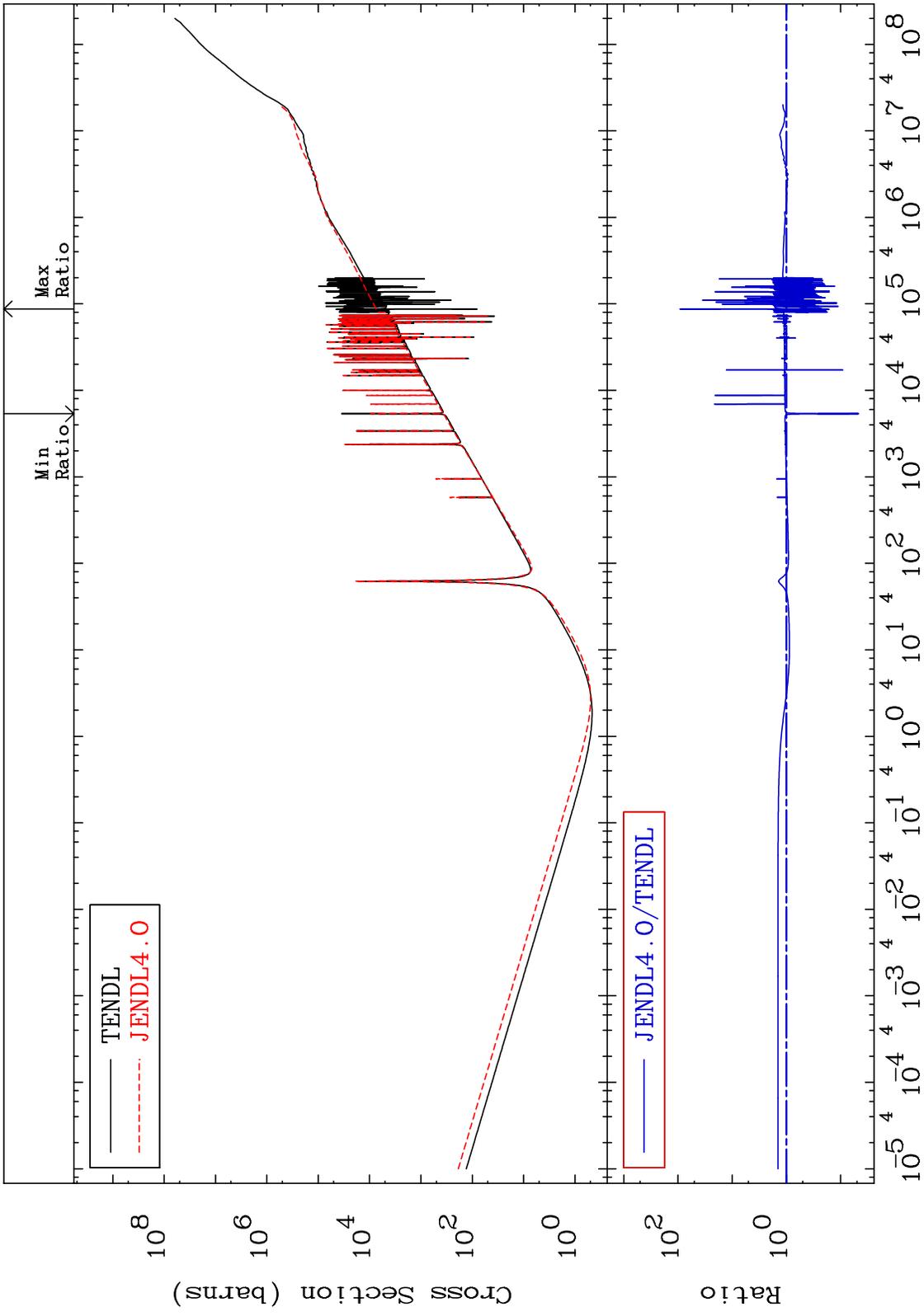
MAT 5061

Total photon (eV-barns)
Cross Section

50-Sn-124
-99.32 To 9999. %

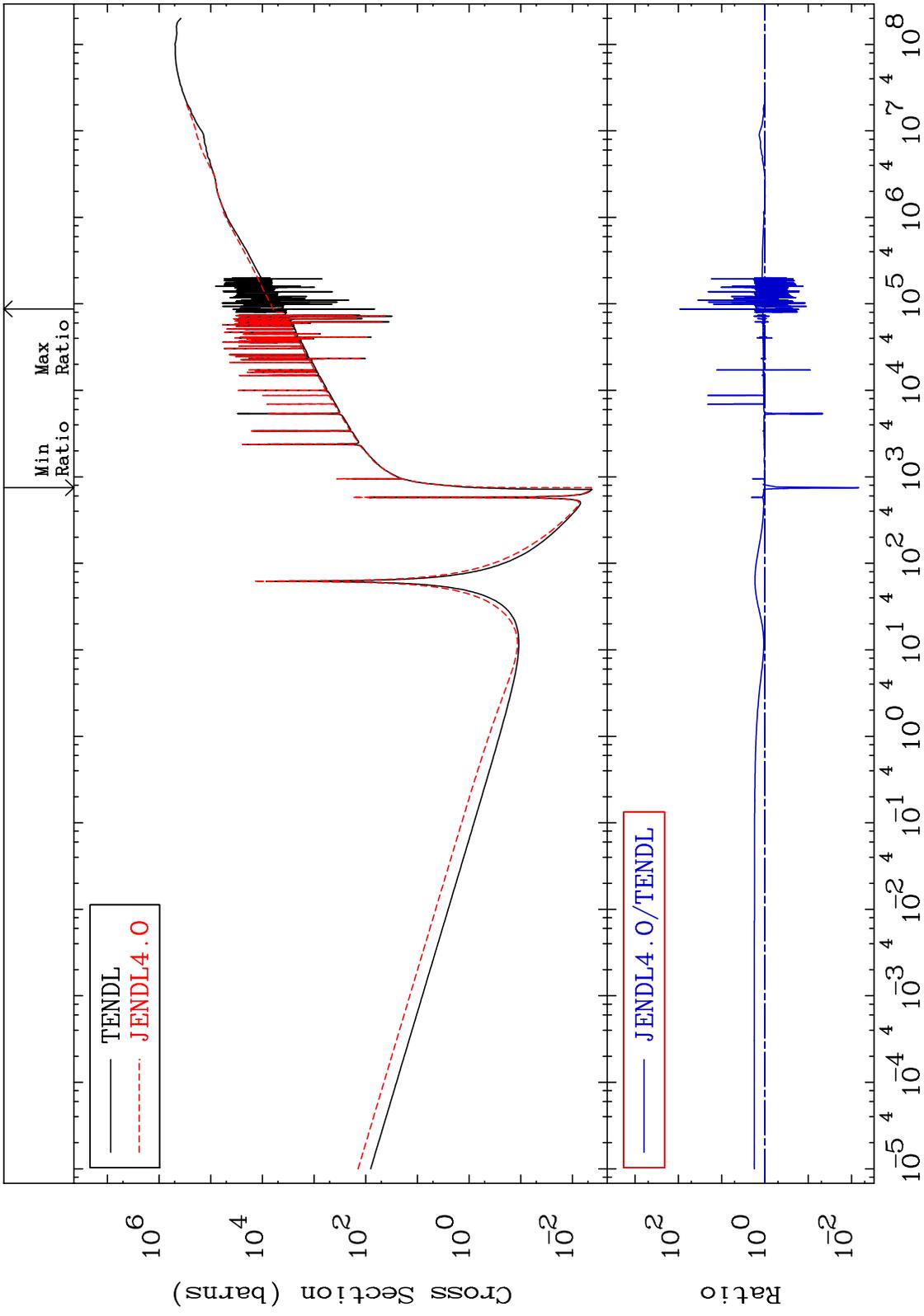


MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -95.38 To 9182. %



54 Incident Energy (eV) 50-Sn-124

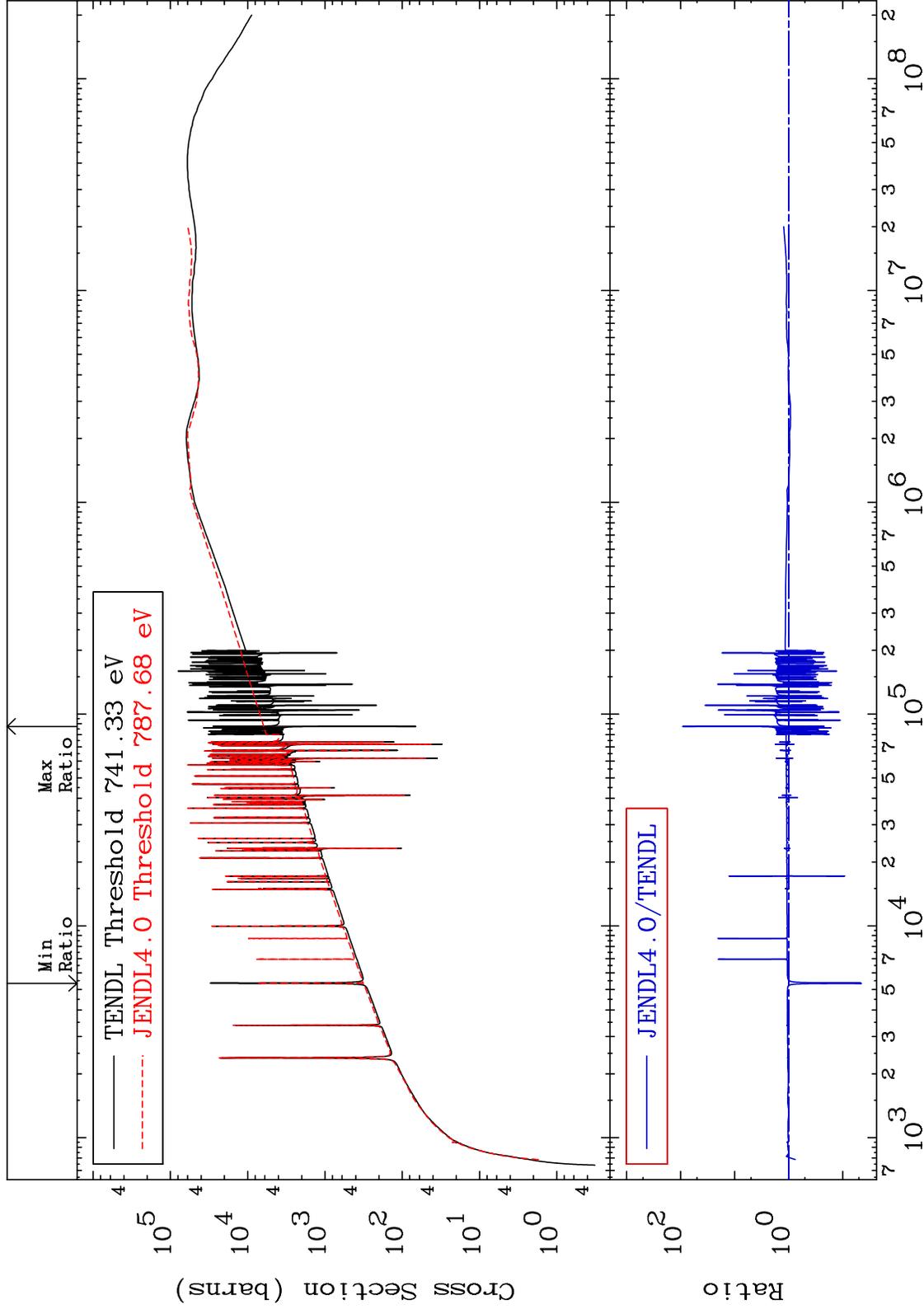
MAT 5061 Dpa total (eV-barns) 50-Sn-124
 Cross Section -99.32 To 9176. %



MAT 5061

Dpa elastic (mt2)
Cross Section

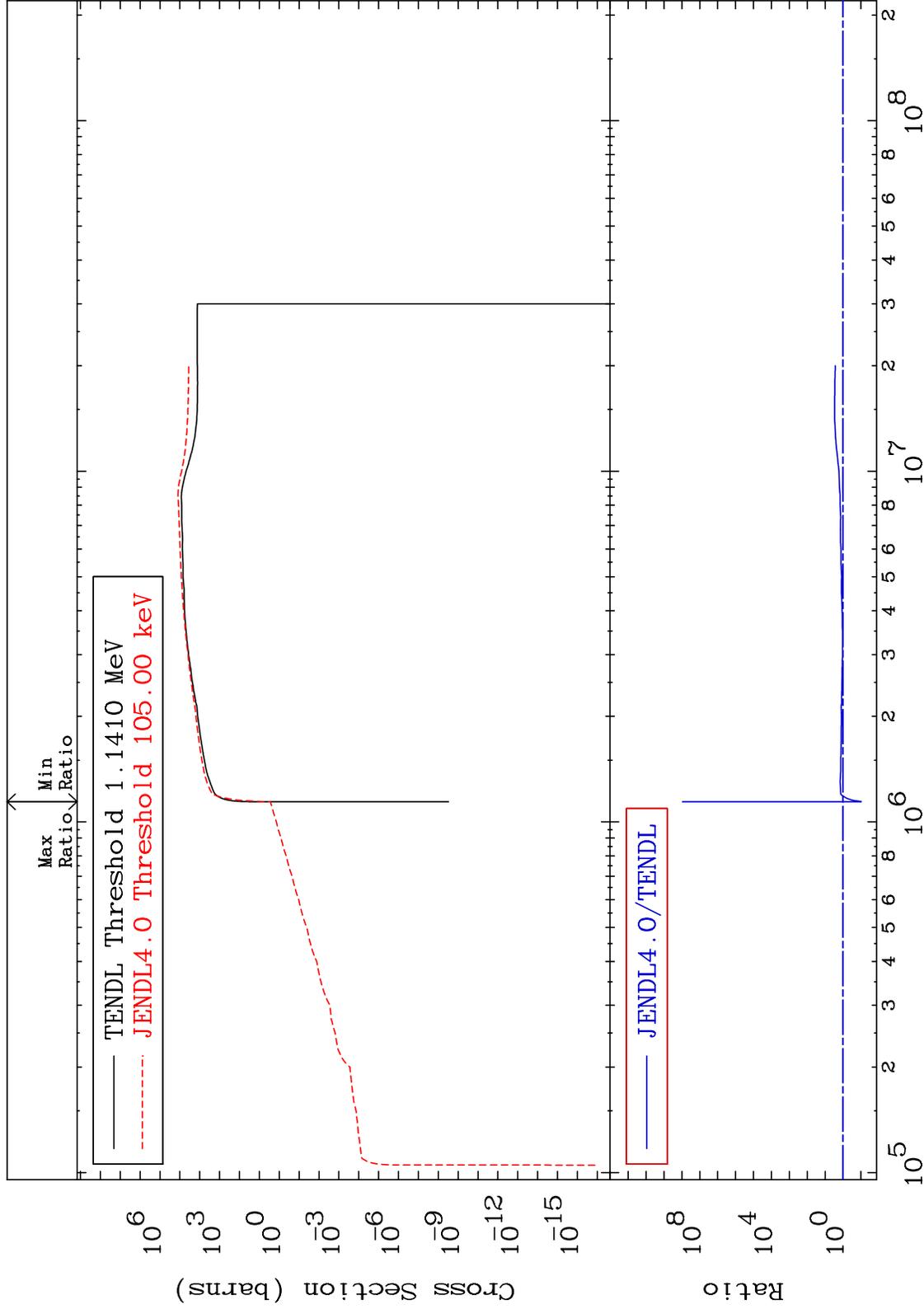
50-Sn-124
-95.48 To 9182. %



MAT 5061

Dpa inelastic (mt51-91)
Cross Section

50-Sn-124
-90.52 To 9999. %

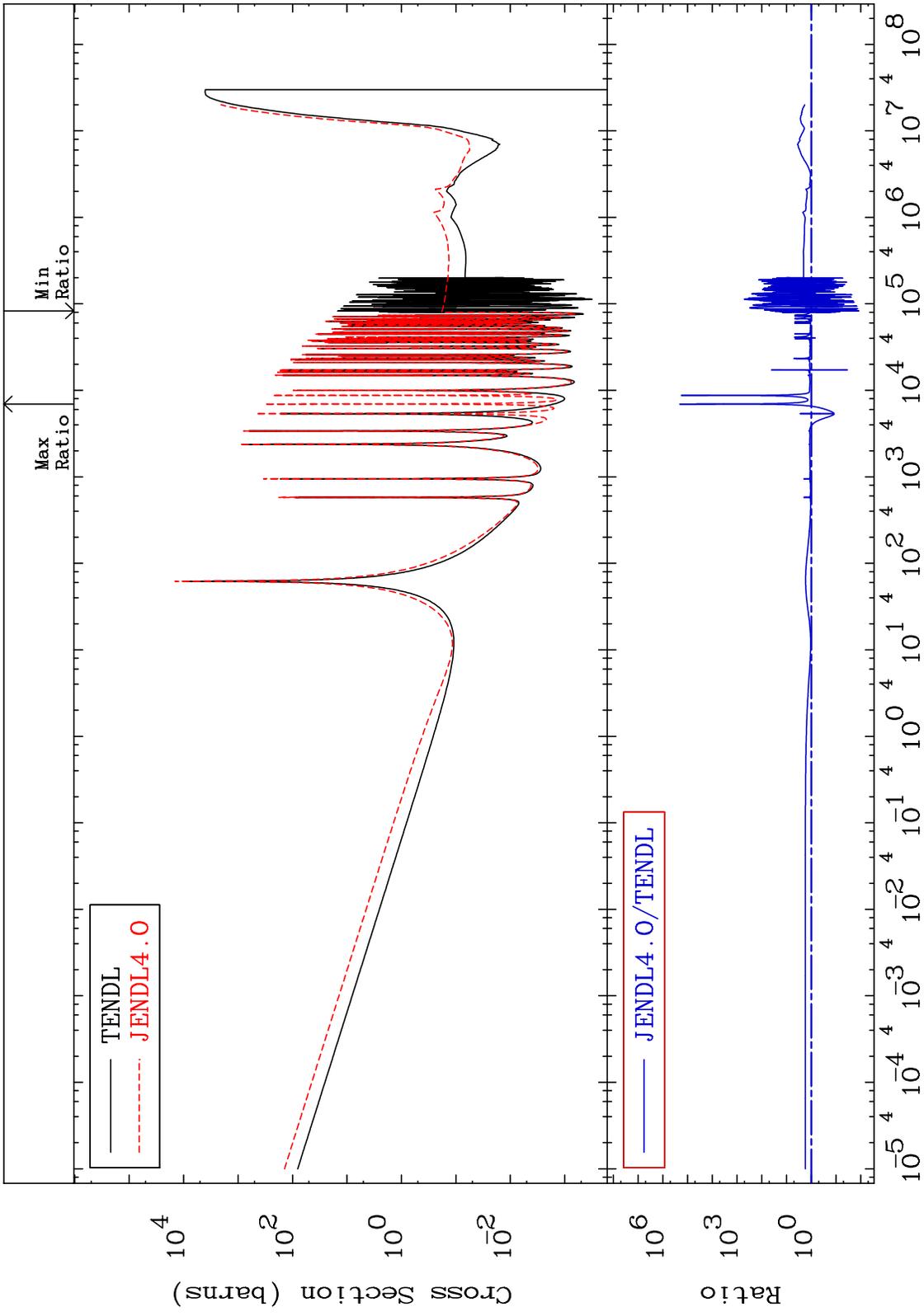


57

Incident Energy (eV)

50-Sn-124

MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -98.80 To 9999. %

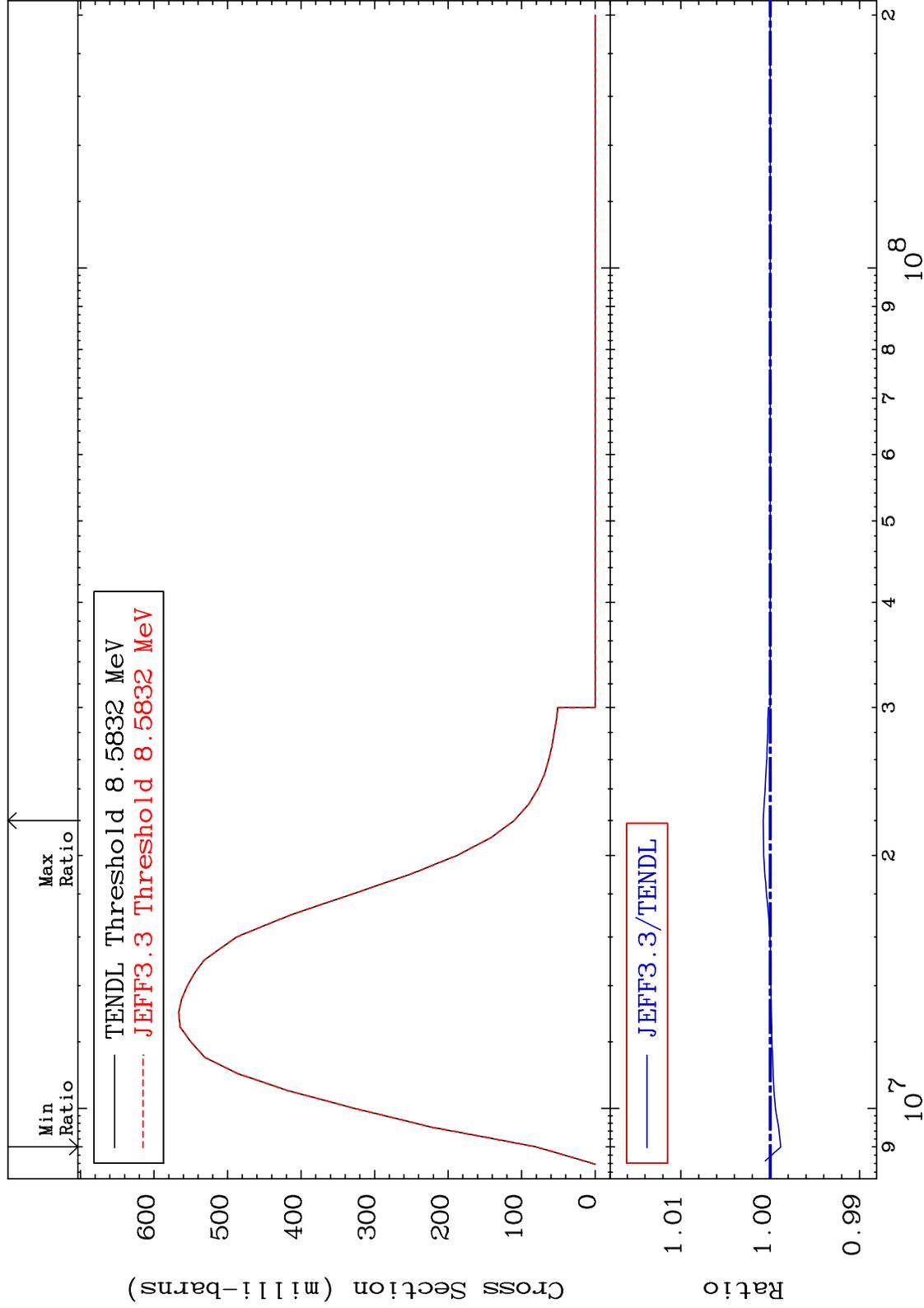


MAT 5061

(n,2n):50-Sn-123m1

50-Sn-124

Radionuclide Production Cross Section -0.118 To 0.078 %

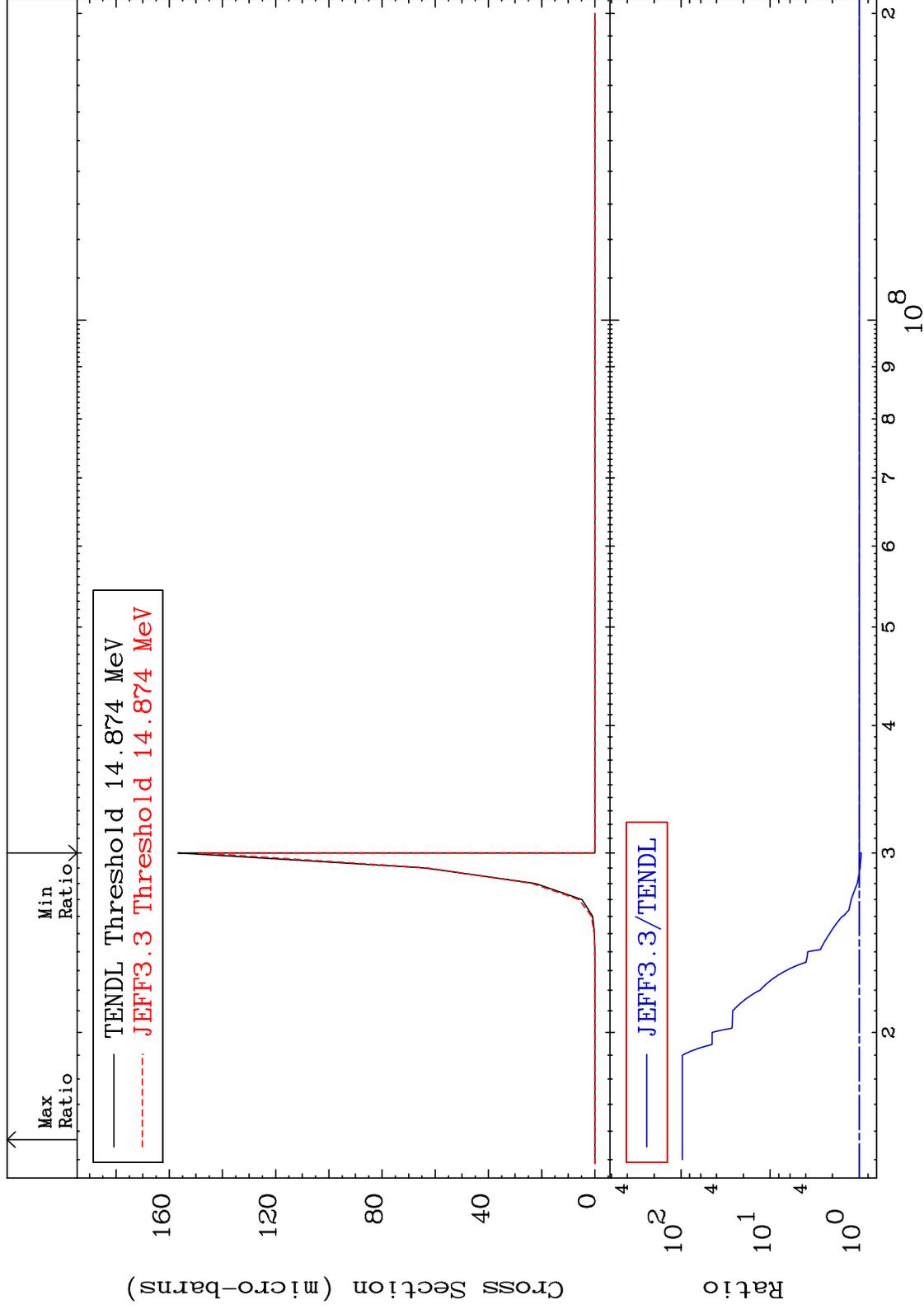


MAT 5061

(n,2n) α :48-Cd-119g

50-Sn-124

Radionuclide Production Cross Section -5.032 To 9526. %



60

Incident Energy (eV)

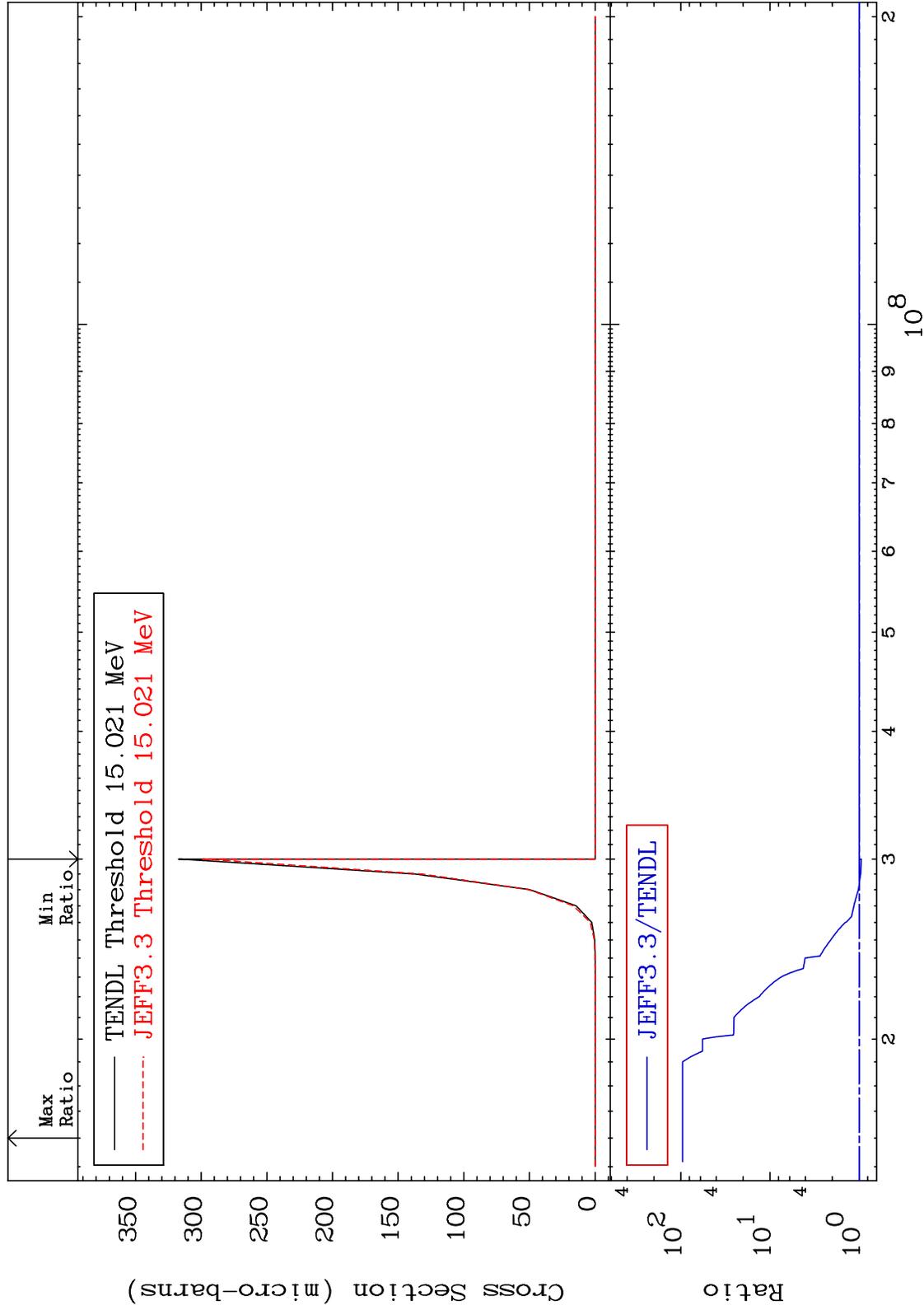
50-Sn-124

MAT 5061

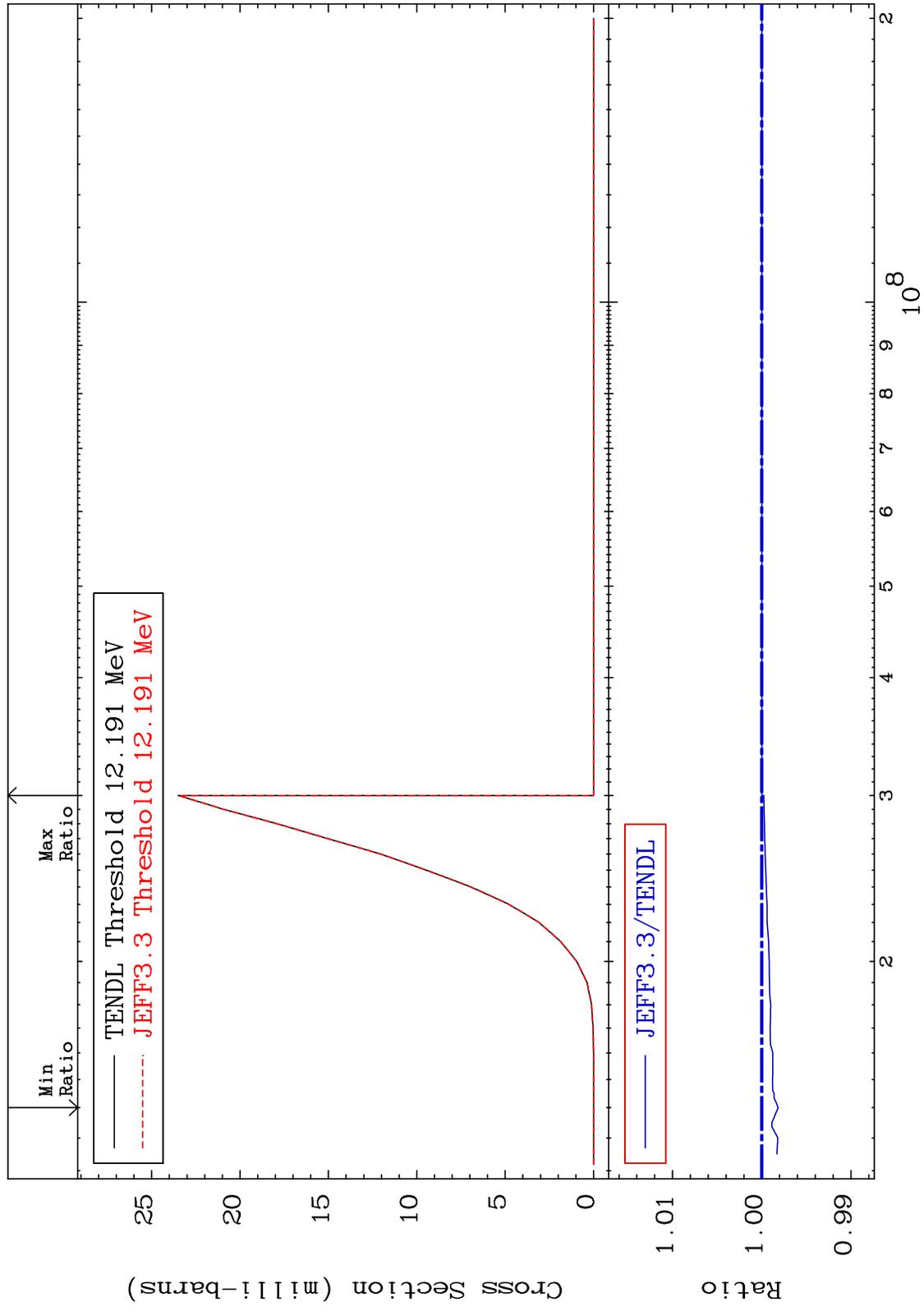
(n,2n) α : 48-Cd-119m2

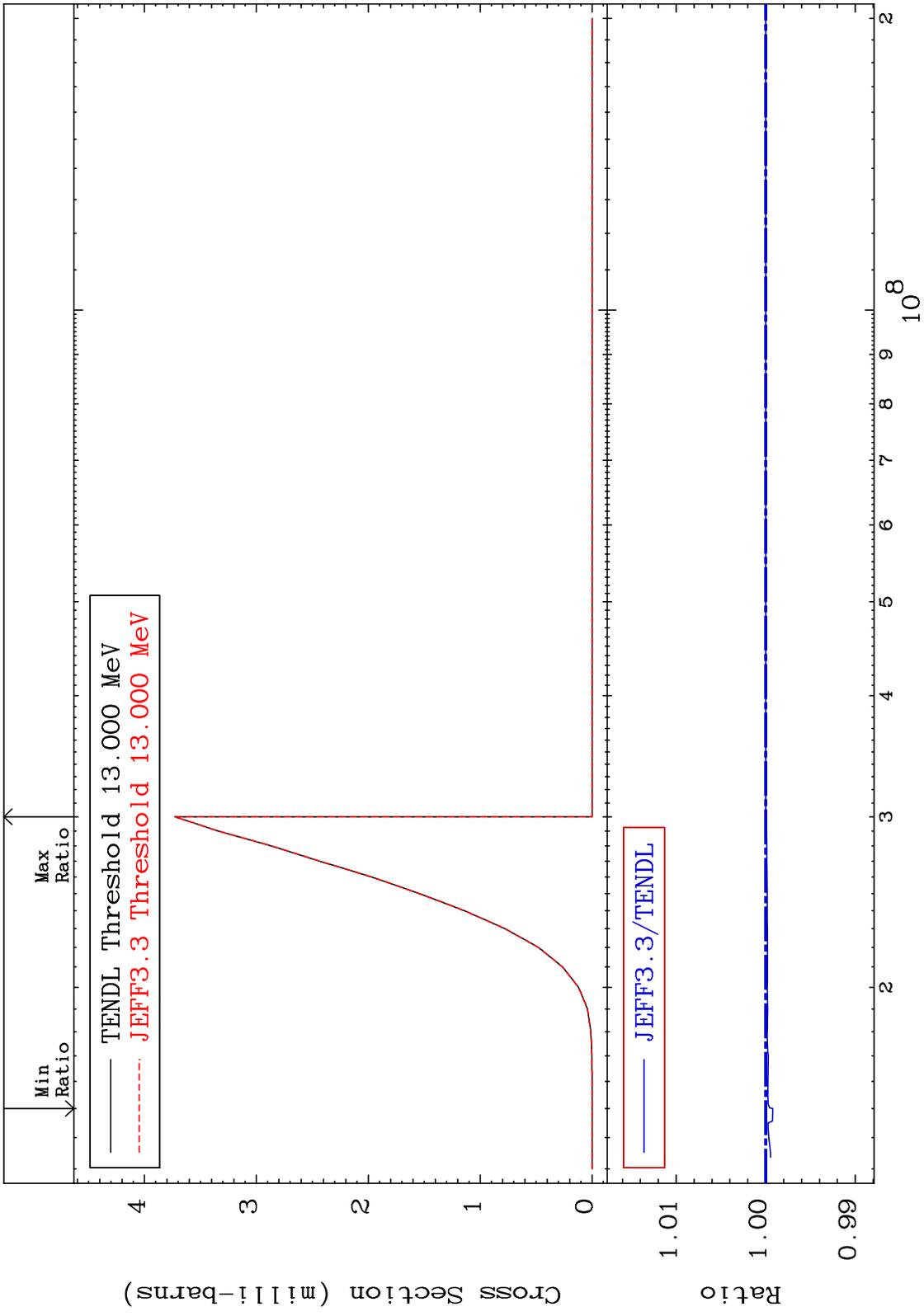
50-Sn-124

Radionuclide Production Cross Section -5.788 To 9423. %



MAT 5061 (n, n') p:49-In-123g 50-Sn-124
Radionuclide Production Cross Section -0.184 To 0.000 %



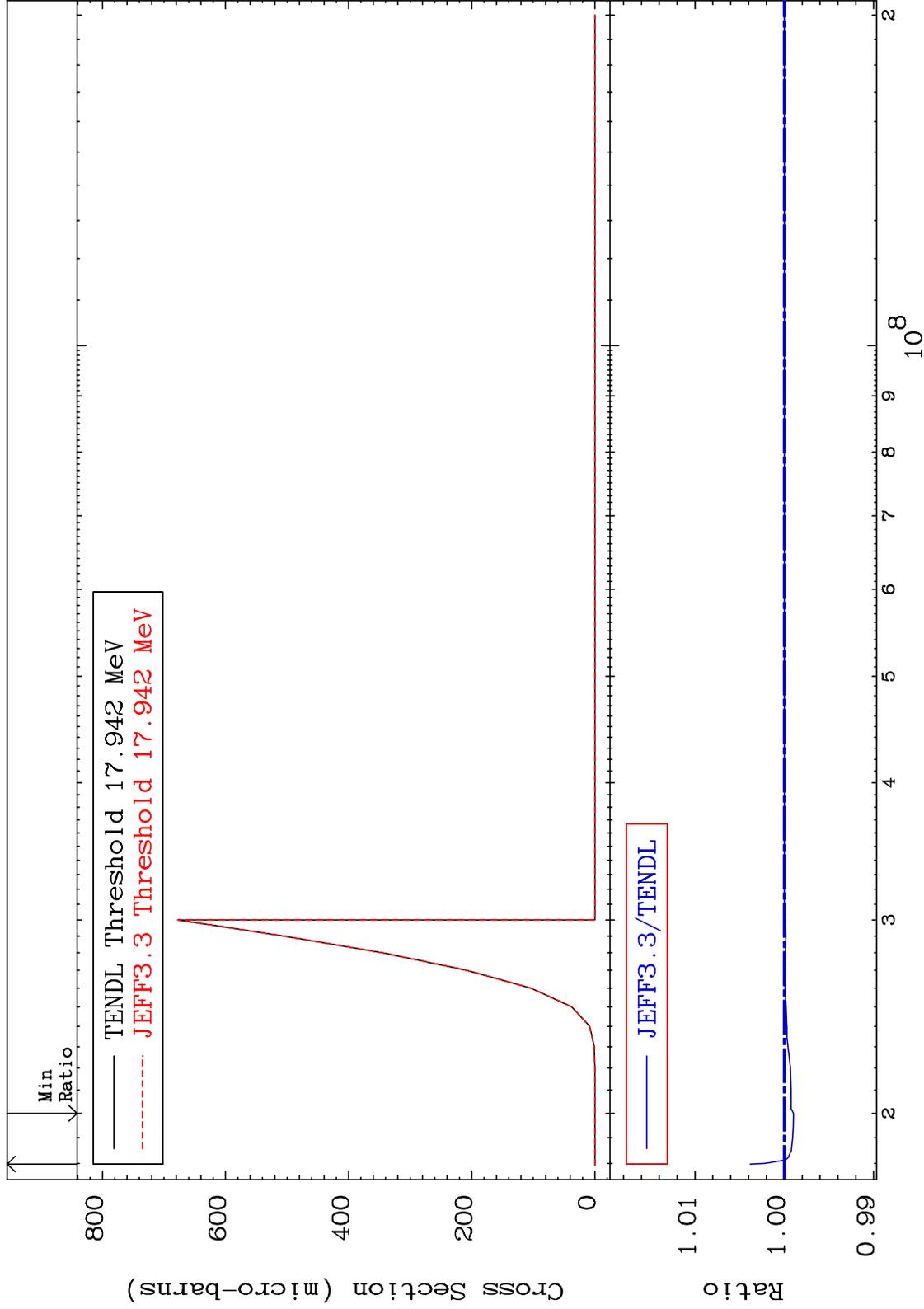


MAT 5061

(n, n') d:49-In-122g

50-Sn-124

Radionuclide Production Cross Section -0.104 To 0.382 %



64

Incident Energy (eV)

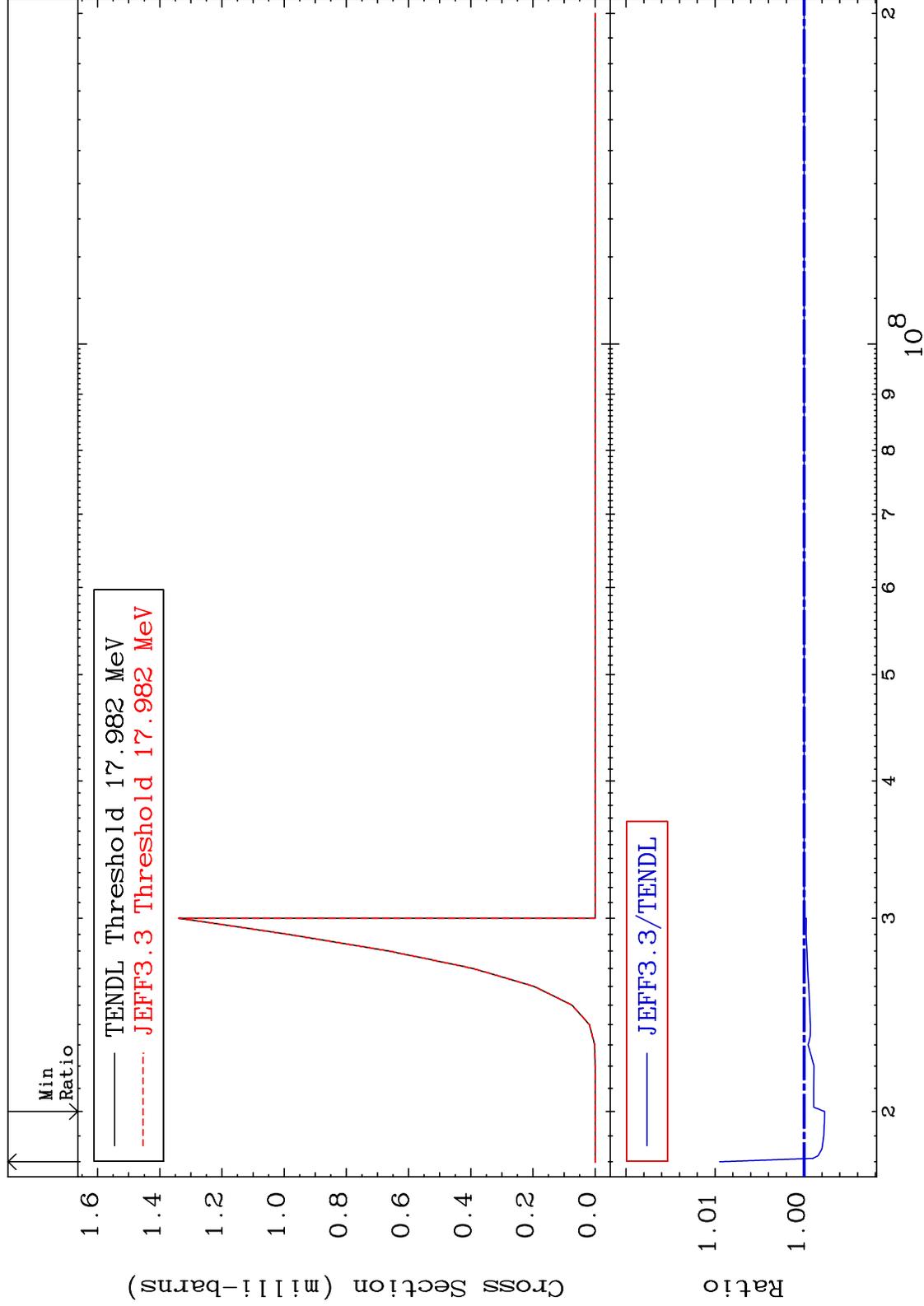
50-Sn-124

MAT 5061

(n,n') d:49-In-122m1

50-Sn-124

Radionuclide Production Cross Section -0.230 To 0.952 %

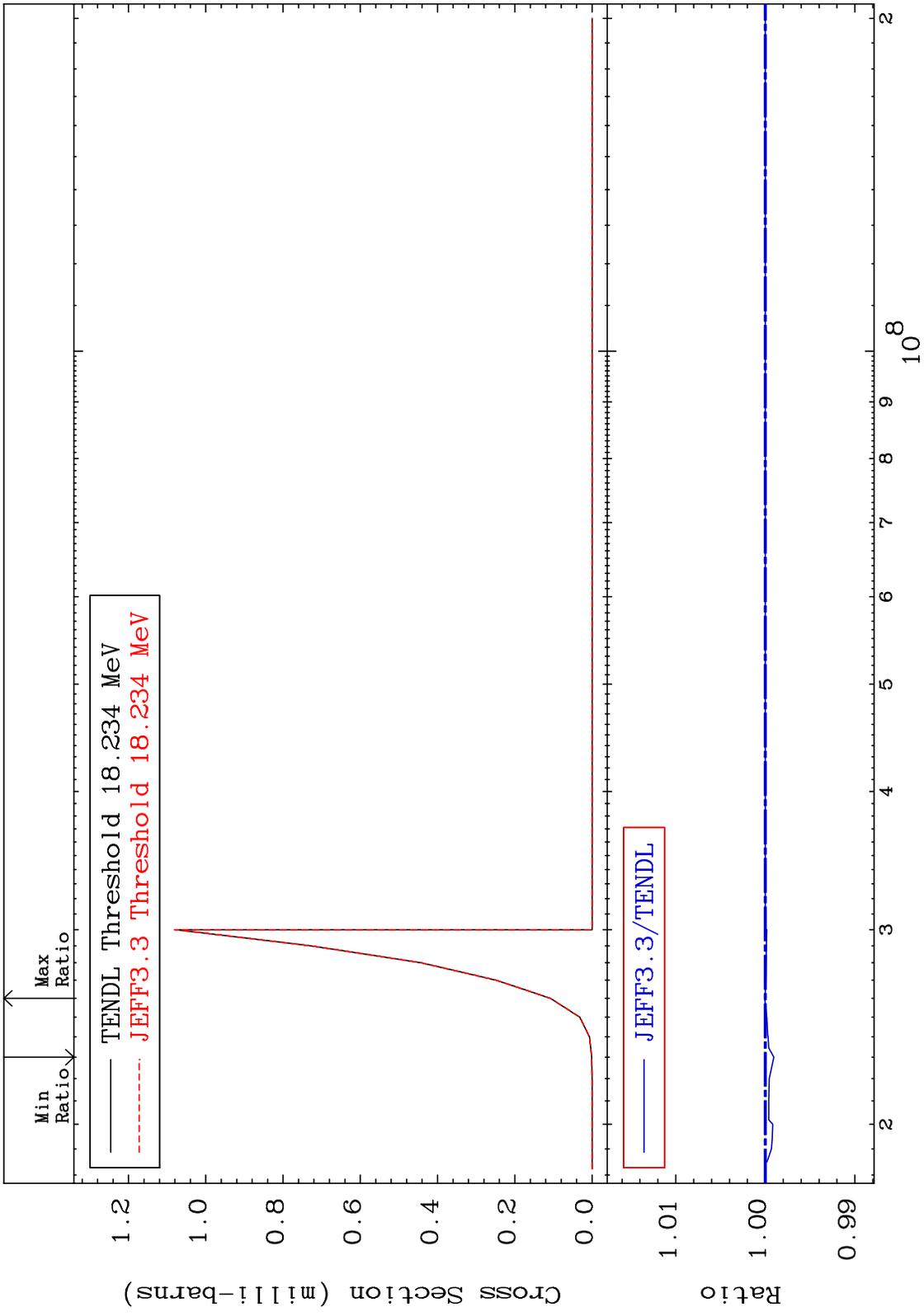


65

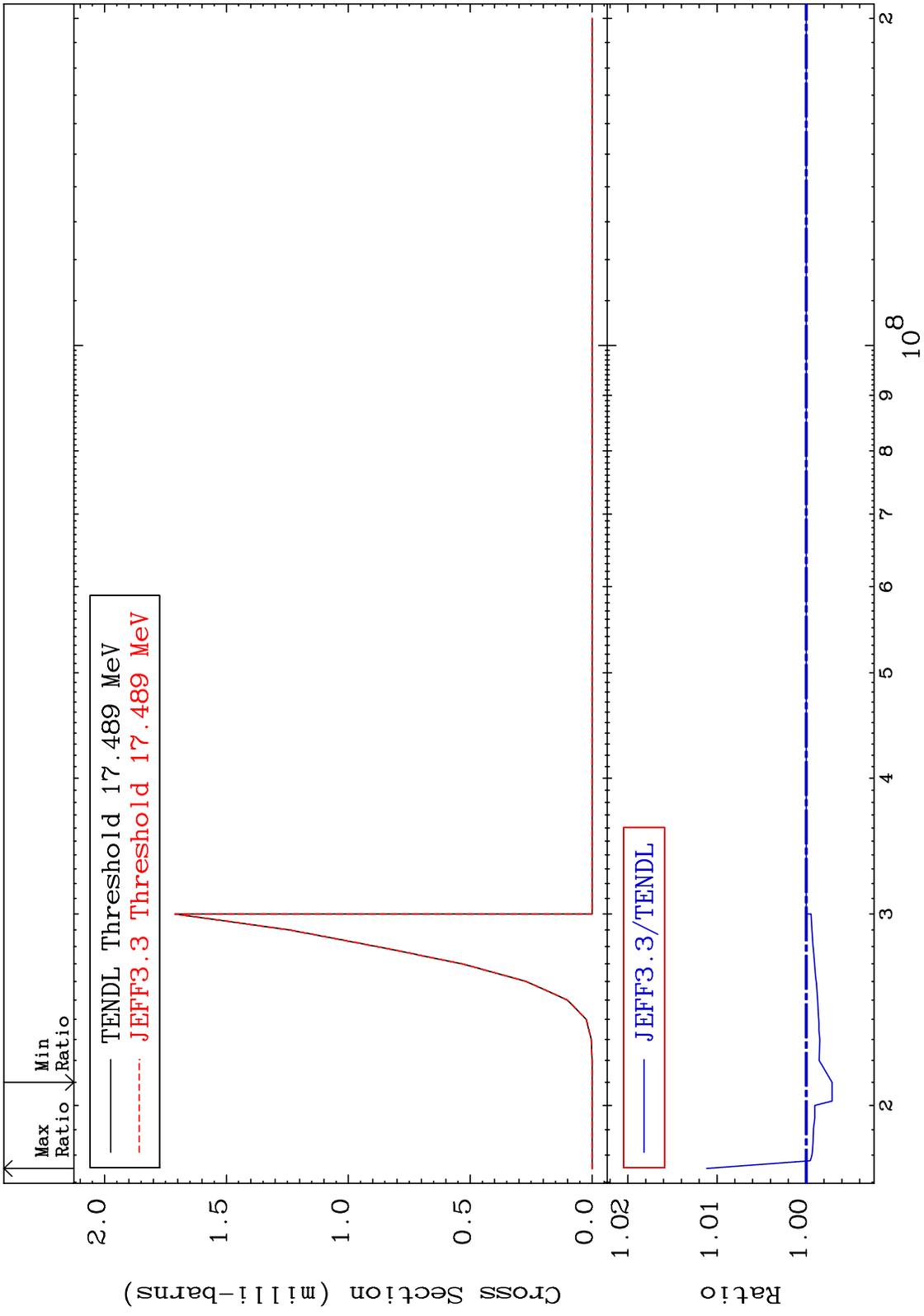
Incident Energy (eV)

50-Sn-124

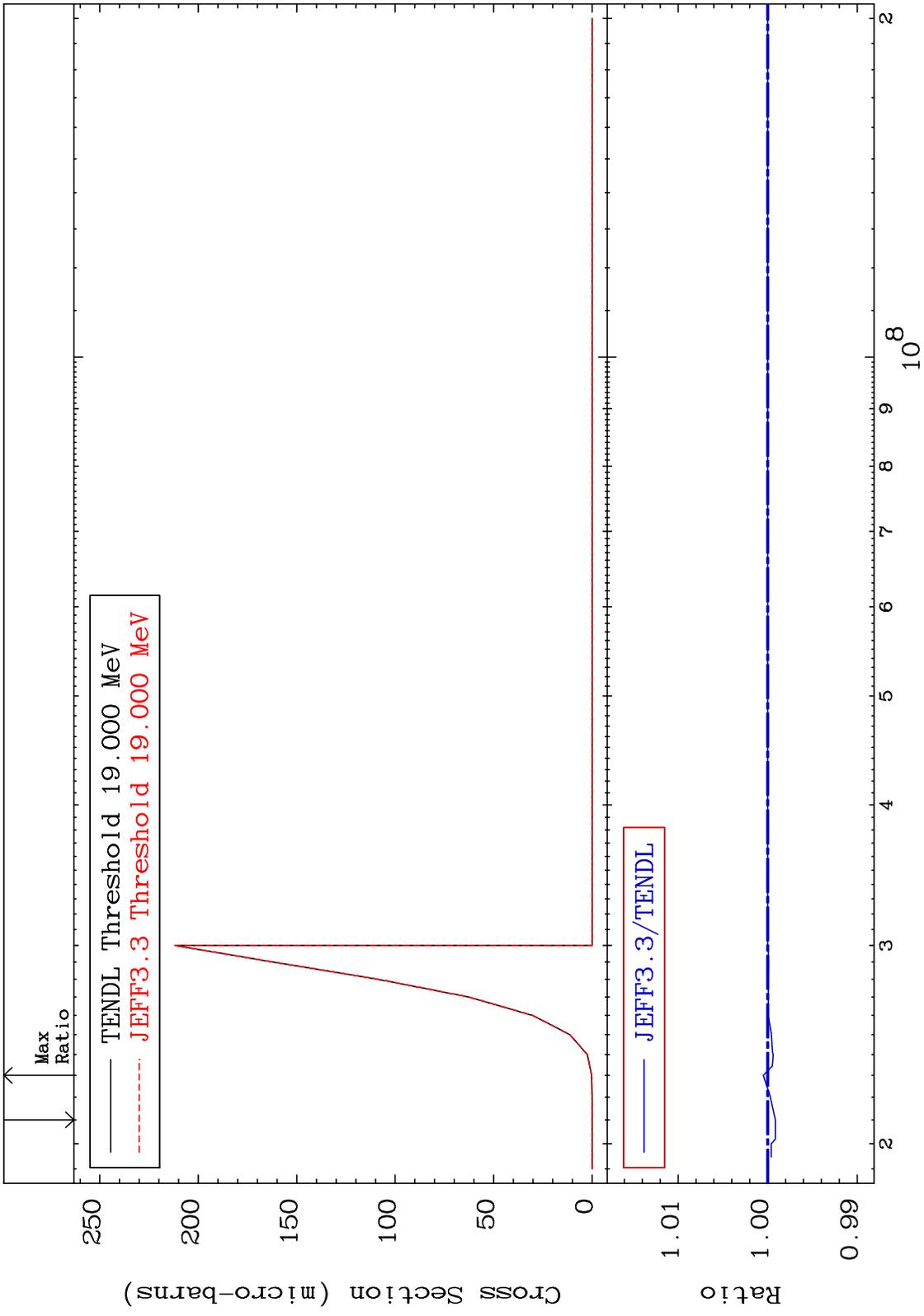
MAT 5061 (n,n') d:49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section -0.095 To 0.006 %



MAT 5061 (n,n') t:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section -0.290 To 1.118 %



MAT 5061 (n,n') t:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section -0.085 To 0.049 %

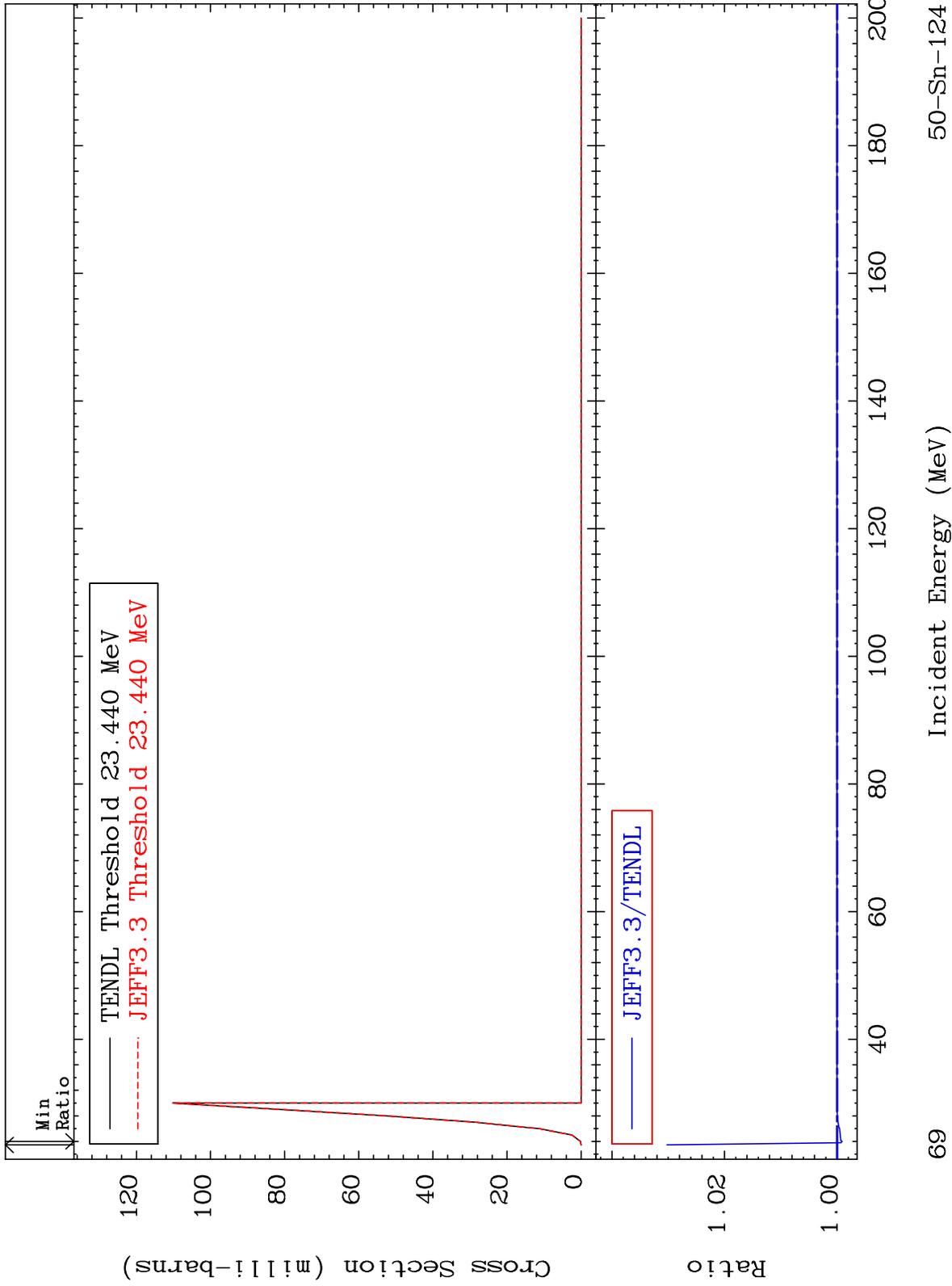


MAT 5061

(n,4n):50-Sn-121g

50-Sn-124

Radionuclide Production Cross Section -0.091 To 3.023 %

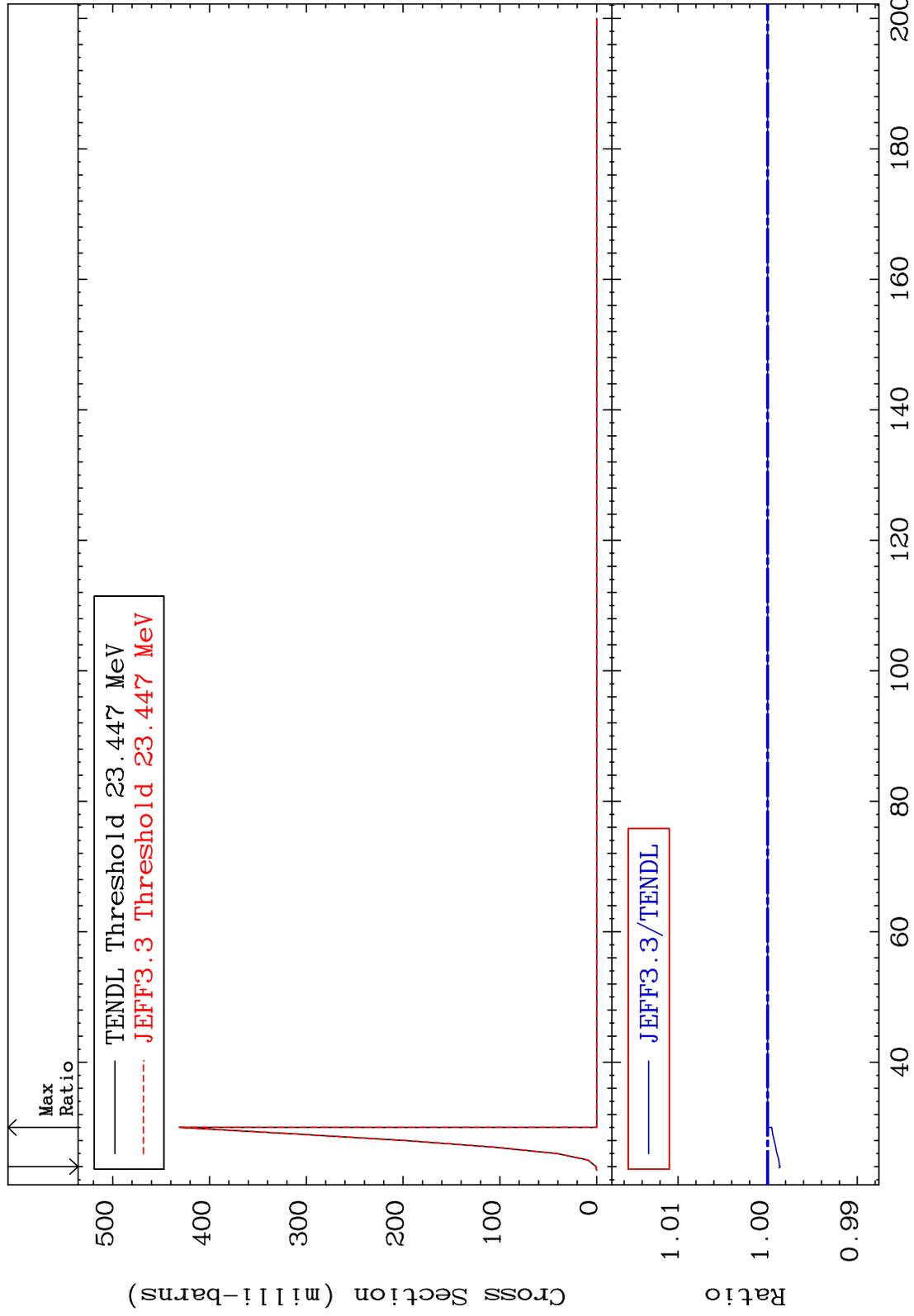


MAT 5061

(n,4n):50-Sn-121m1

50-Sn-124

Radionuclide Production Cross Section -0.142 To 0.000 %



70

Incident Energy (MeV)

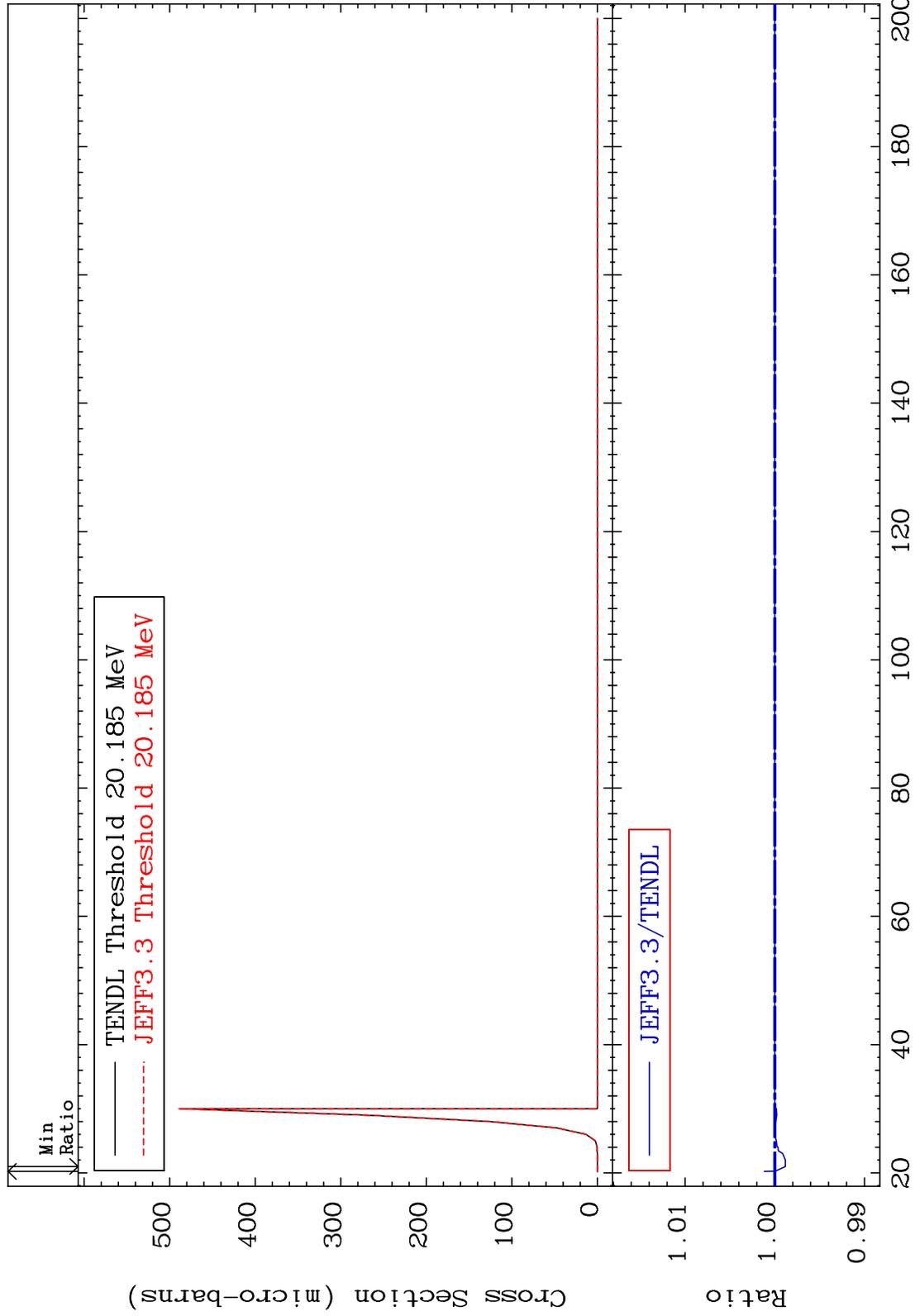
50-Sn-124

MAT 5061

(n,2n) p:49-In-122g

50-Sn-124

Radionuclide Production Cross Section -0.119 To 0.116 %



71

Incident Energy (MeV)

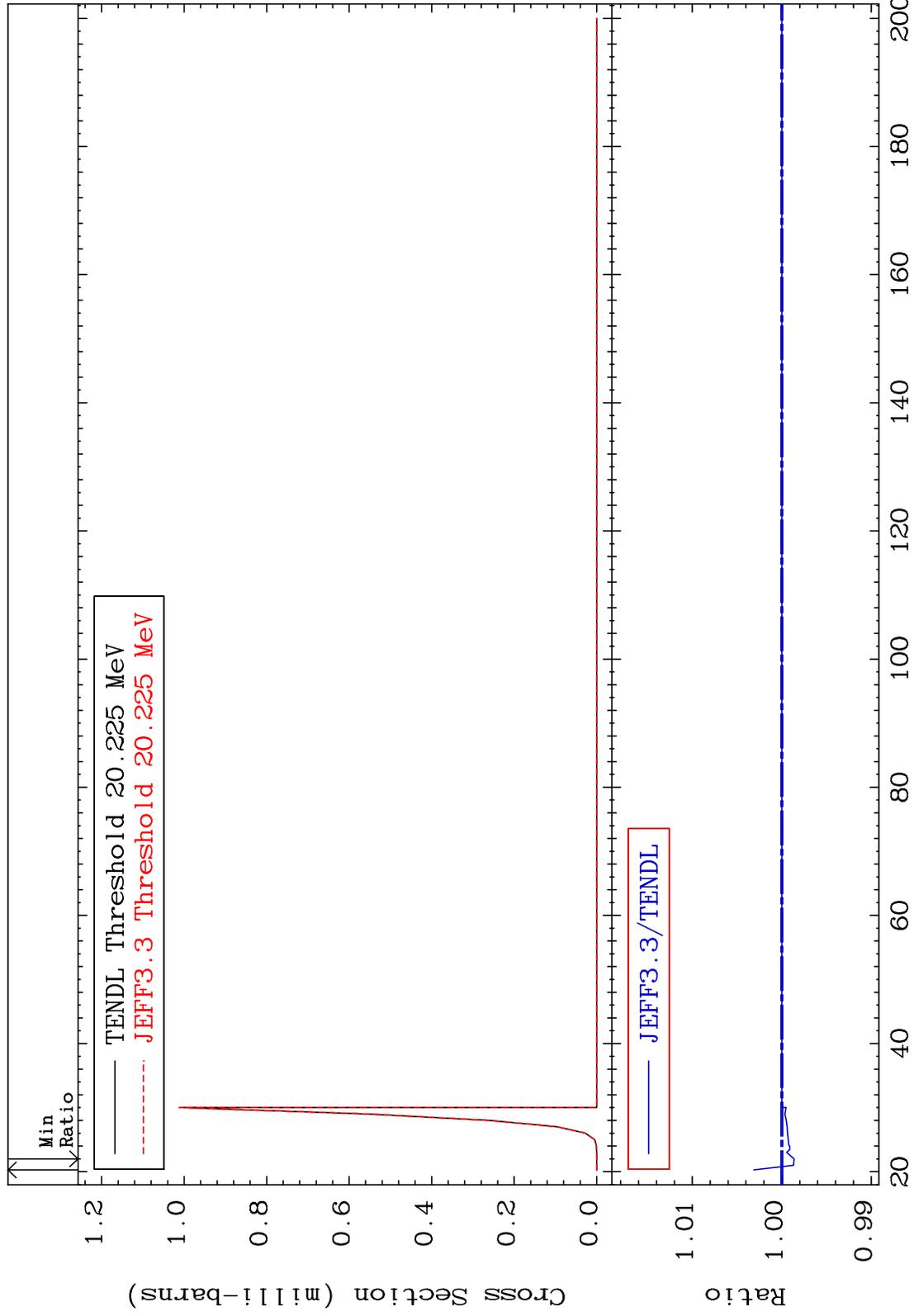
50-Sn-124

MAT 5061

(n,2n) p:49-In-122m1

50-Sn-124

Radionuclide Production Cross Section -0.138 To 0.312 %

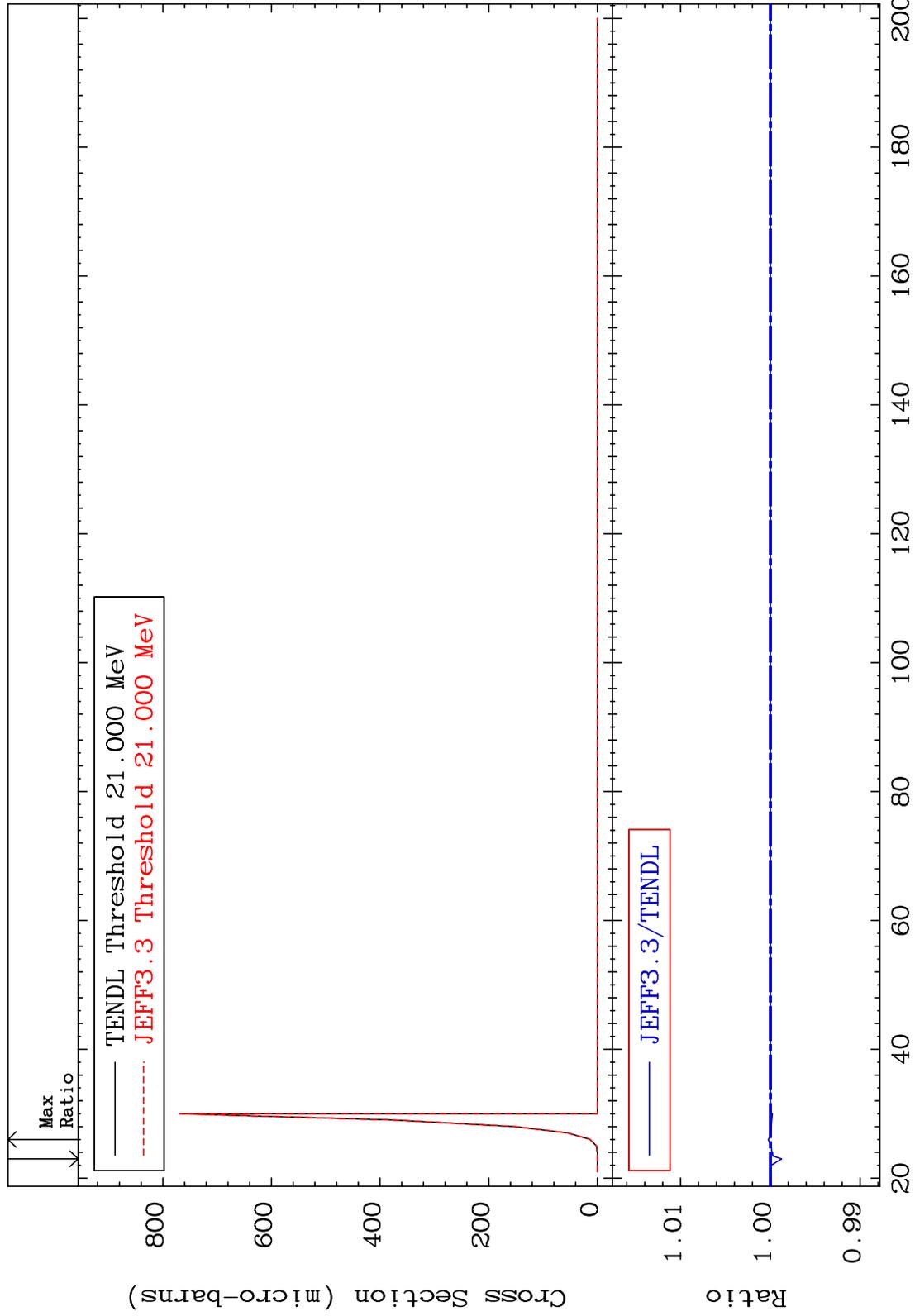


MAT 5061

(n,2n) p:49-In-122m5

50-Sn-124

Radionuclide Production Cross Section -0.125 To 0.024 %

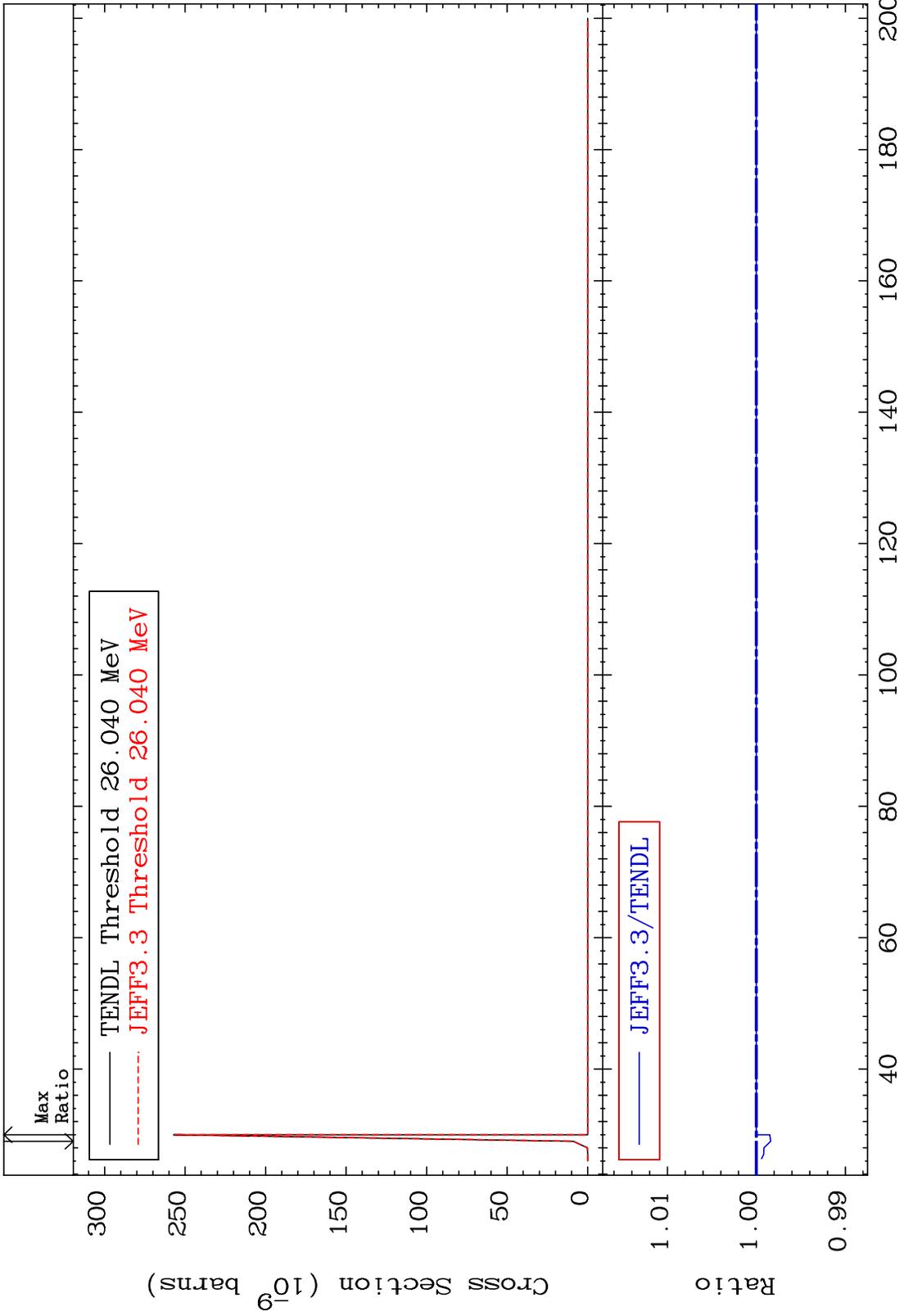


73

Incident Energy (MeV)

50-Sn-124

MAT 5061 (n,3n) p:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section -0.161 To 0.000 %

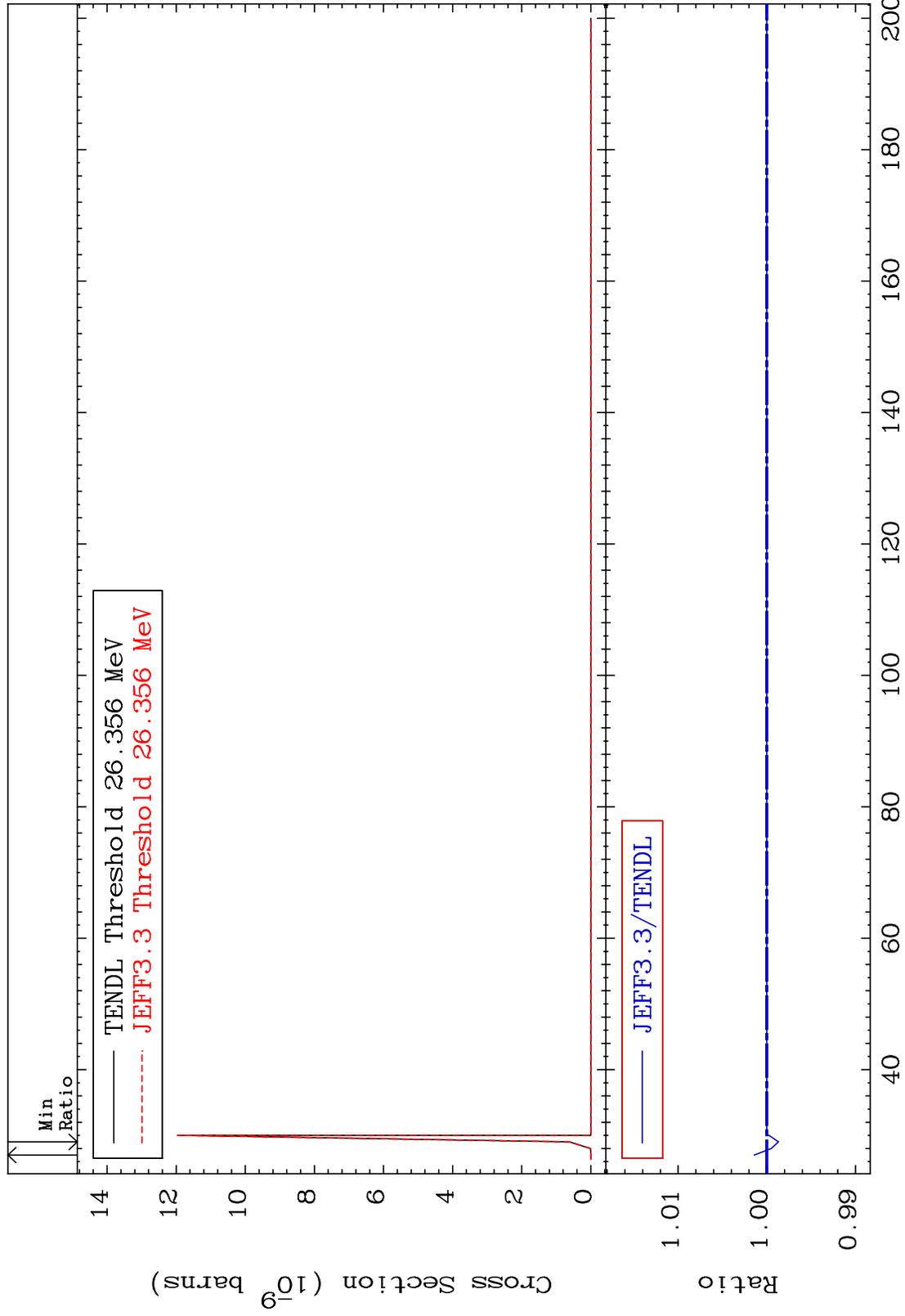


MAT 5061

(n,3n) p:49-In-121m1

50-Sn-124

Radionuclide Production Cross Section -0.132 To 0.141 %



75

Incident Energy (MeV)

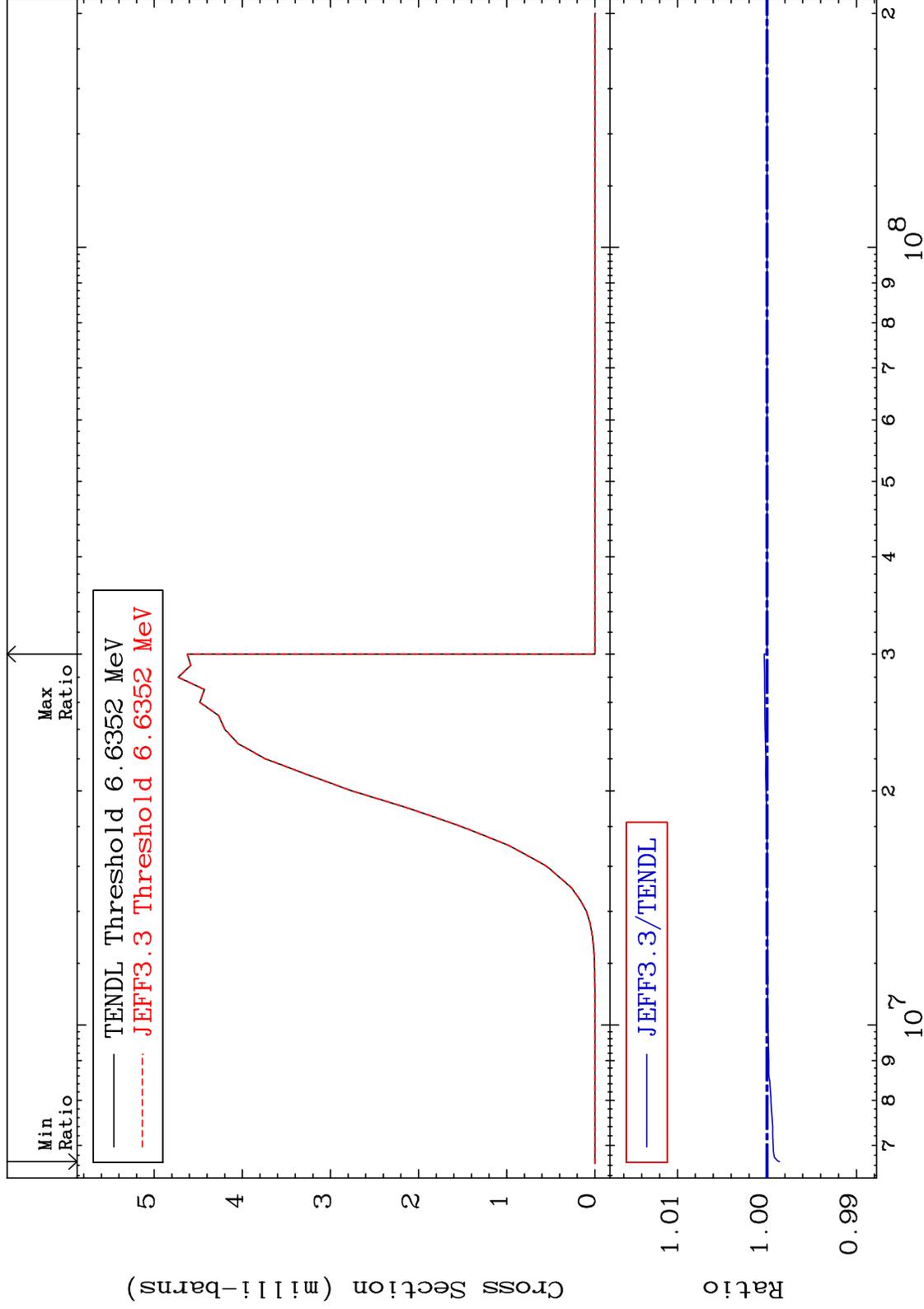
50-Sn-124

MAT 5061

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

50-Sn-124

Radionuclide Production Cross Section -0.141 To 0.031 %



76

Incident Energy (eV)

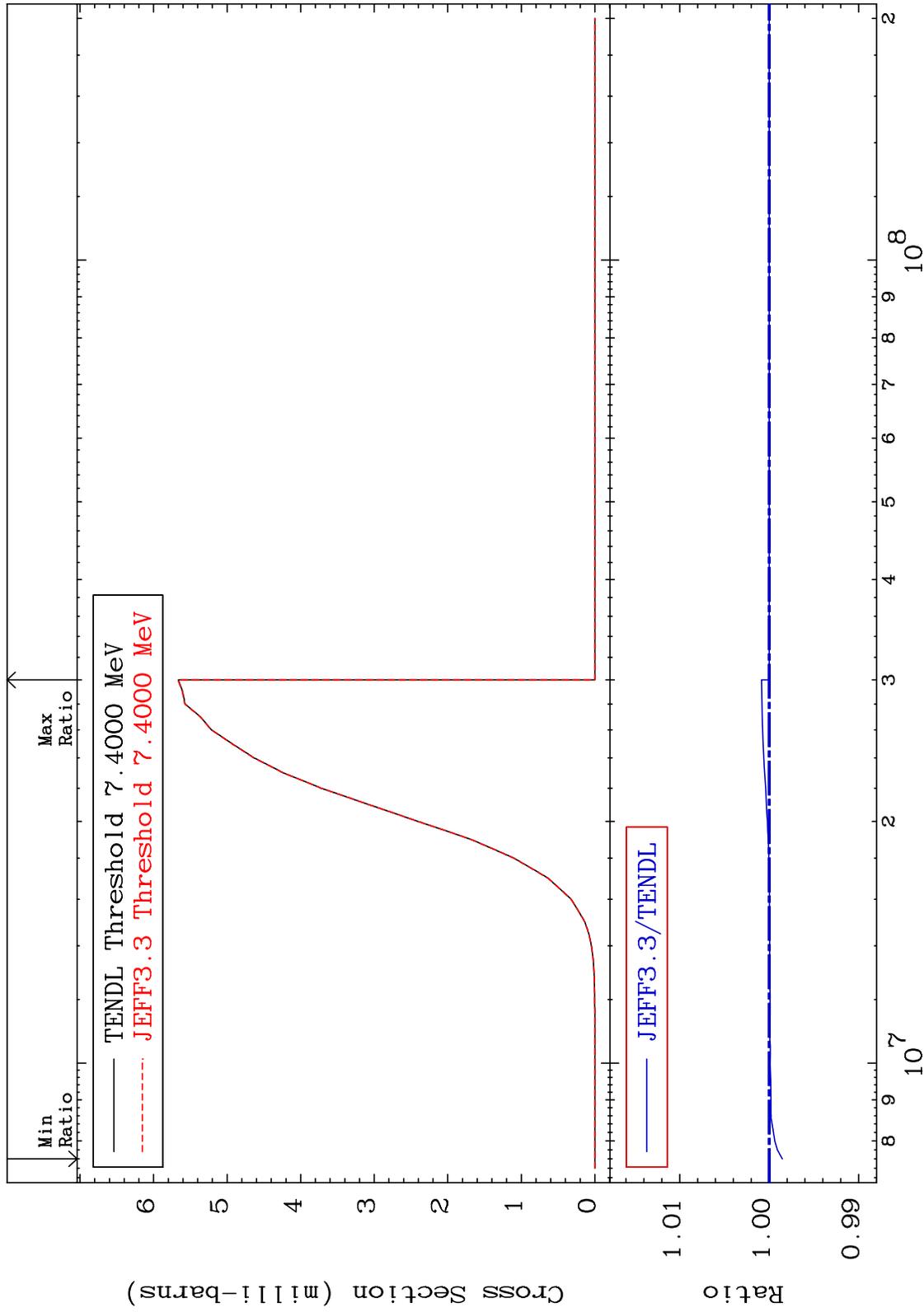
50-Sn-124

MAT 5061

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

50-Sn-124

Radionuclide Production Cross Section -0.147 To 0.086 %



77

Incident Energy (eV)

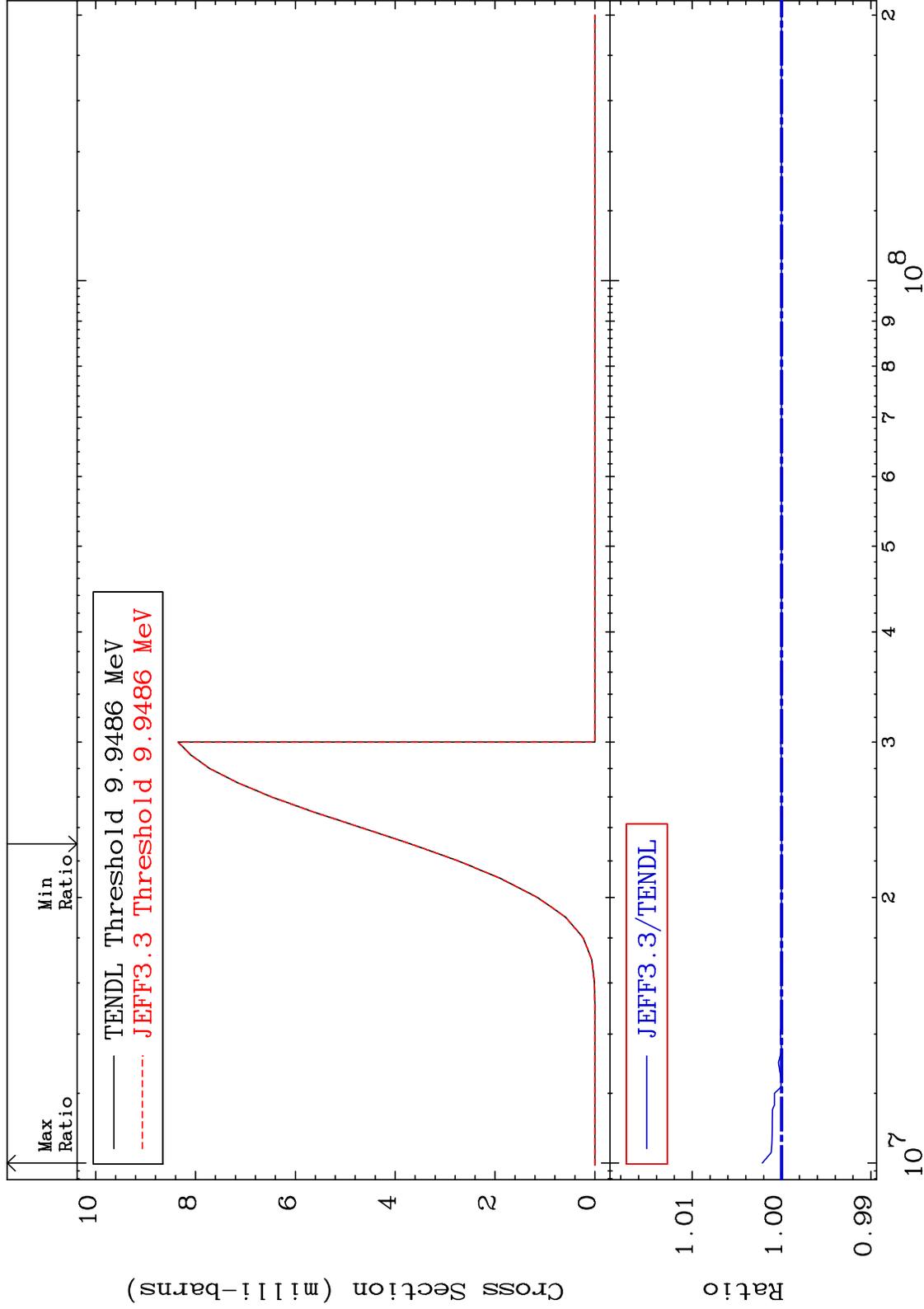
50-Sn-124

MAT 5061

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

50-Sn-124

Radionuclide Production Cross Section 0.000 To 0.217 %

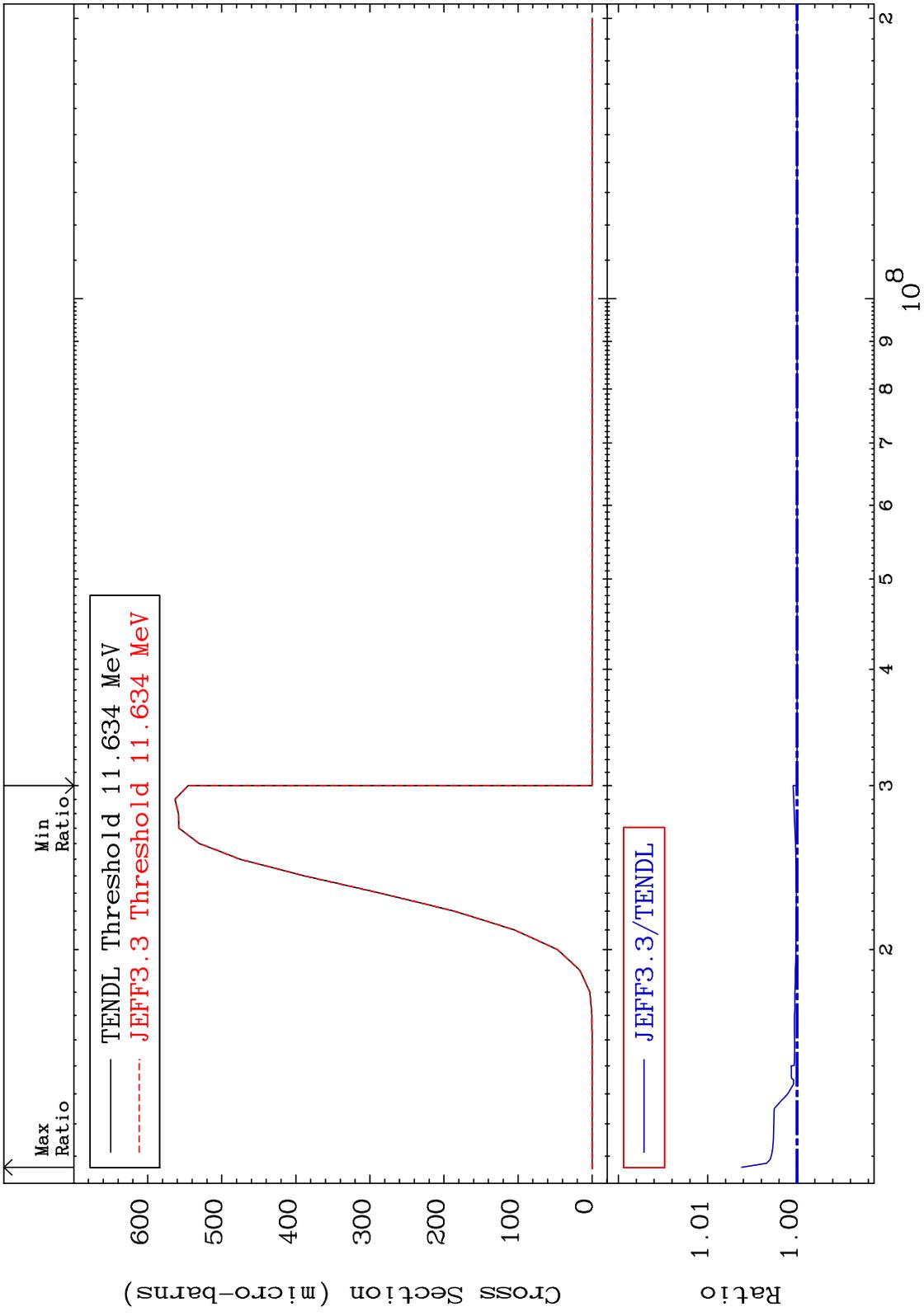


78

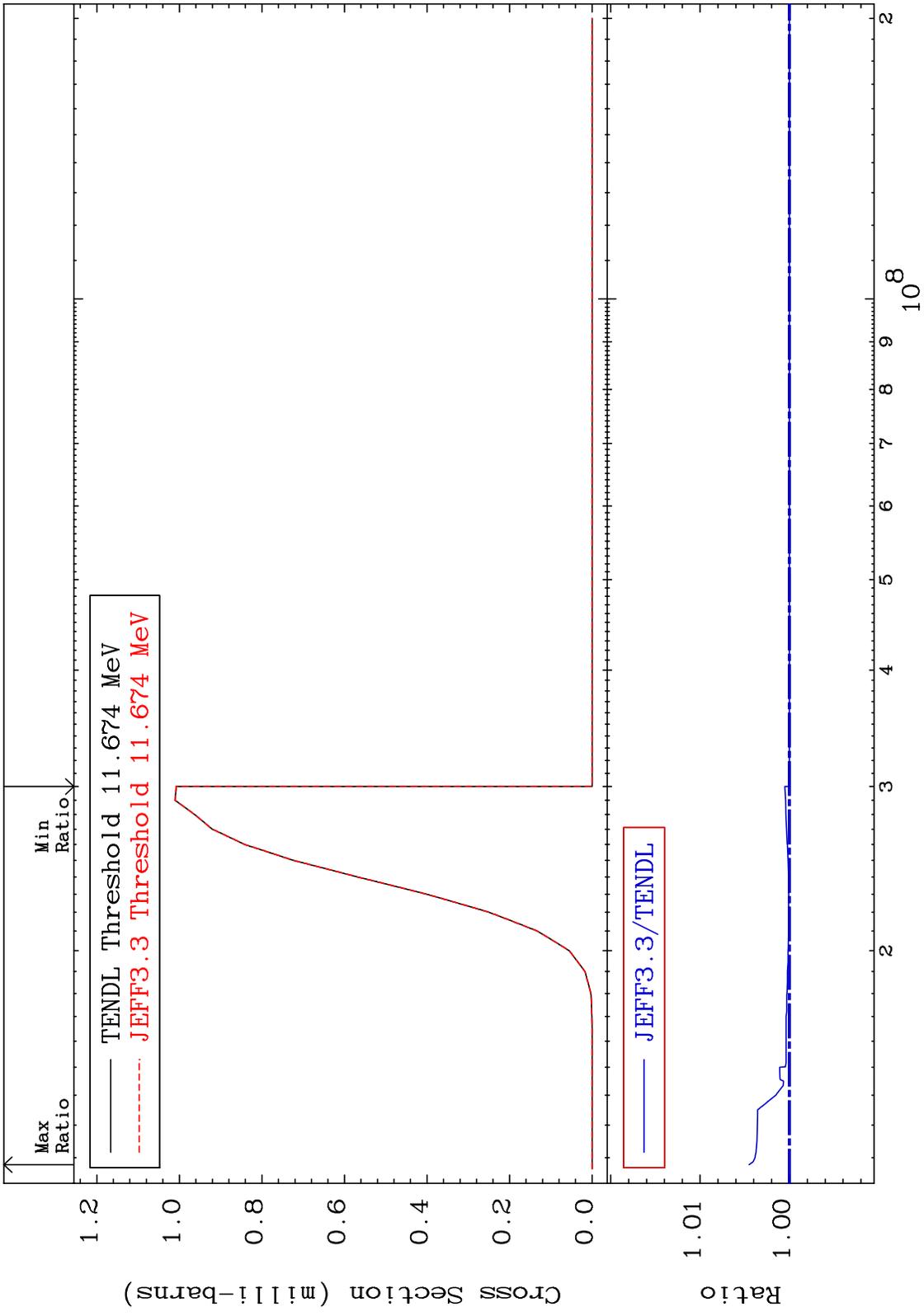
Incident Energy (eV)

50-Sn-124

MAT 5061 (n,t):49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 0.000 To 0.621 %



MAT 5061 (n, t) : 49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 0.000 To 0.451 %

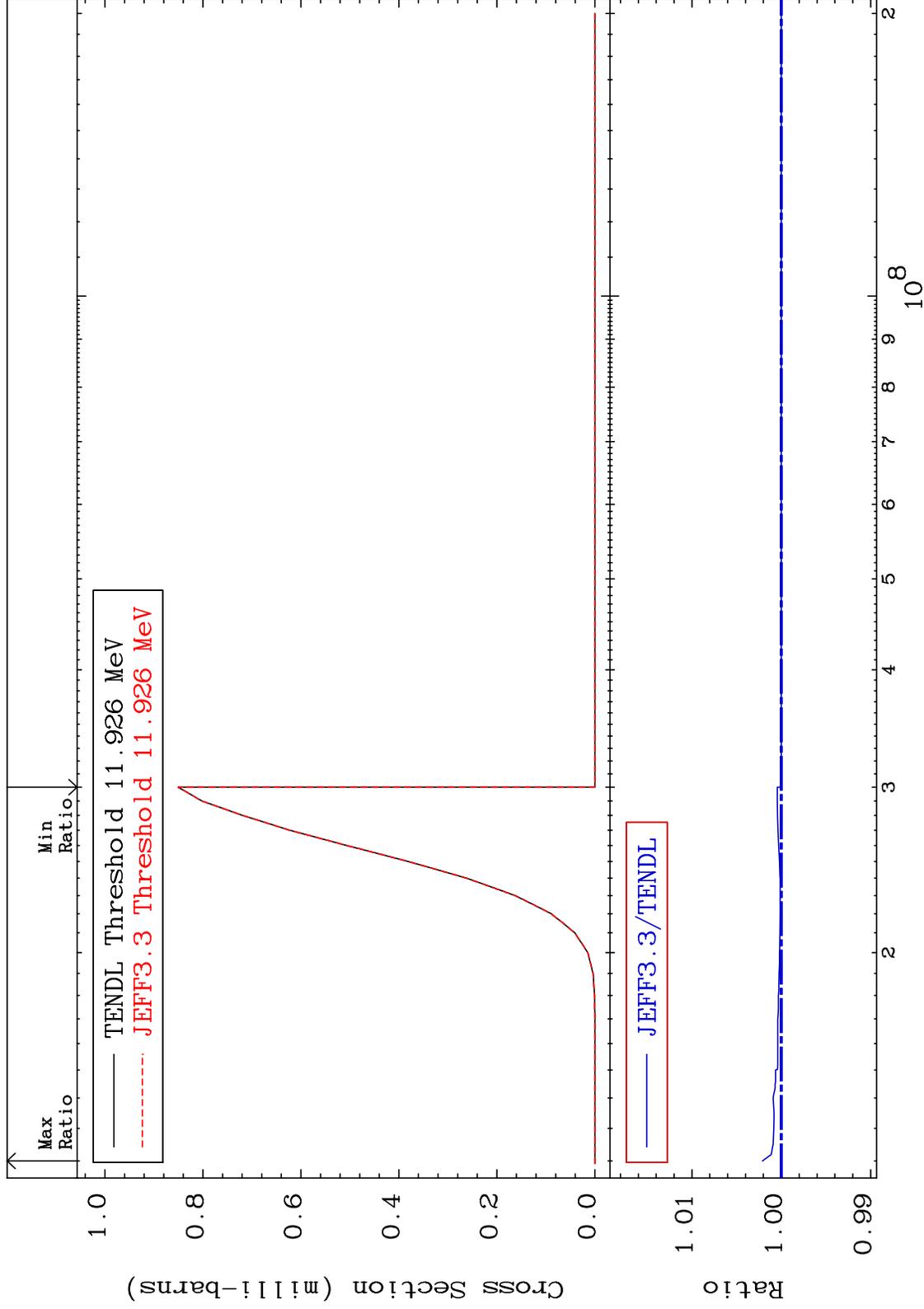


MAT 5061

(n, t) : 49-In-122m5

50-Sn-124

Radionuclide Production Cross Section 0.000 To 0.210 %

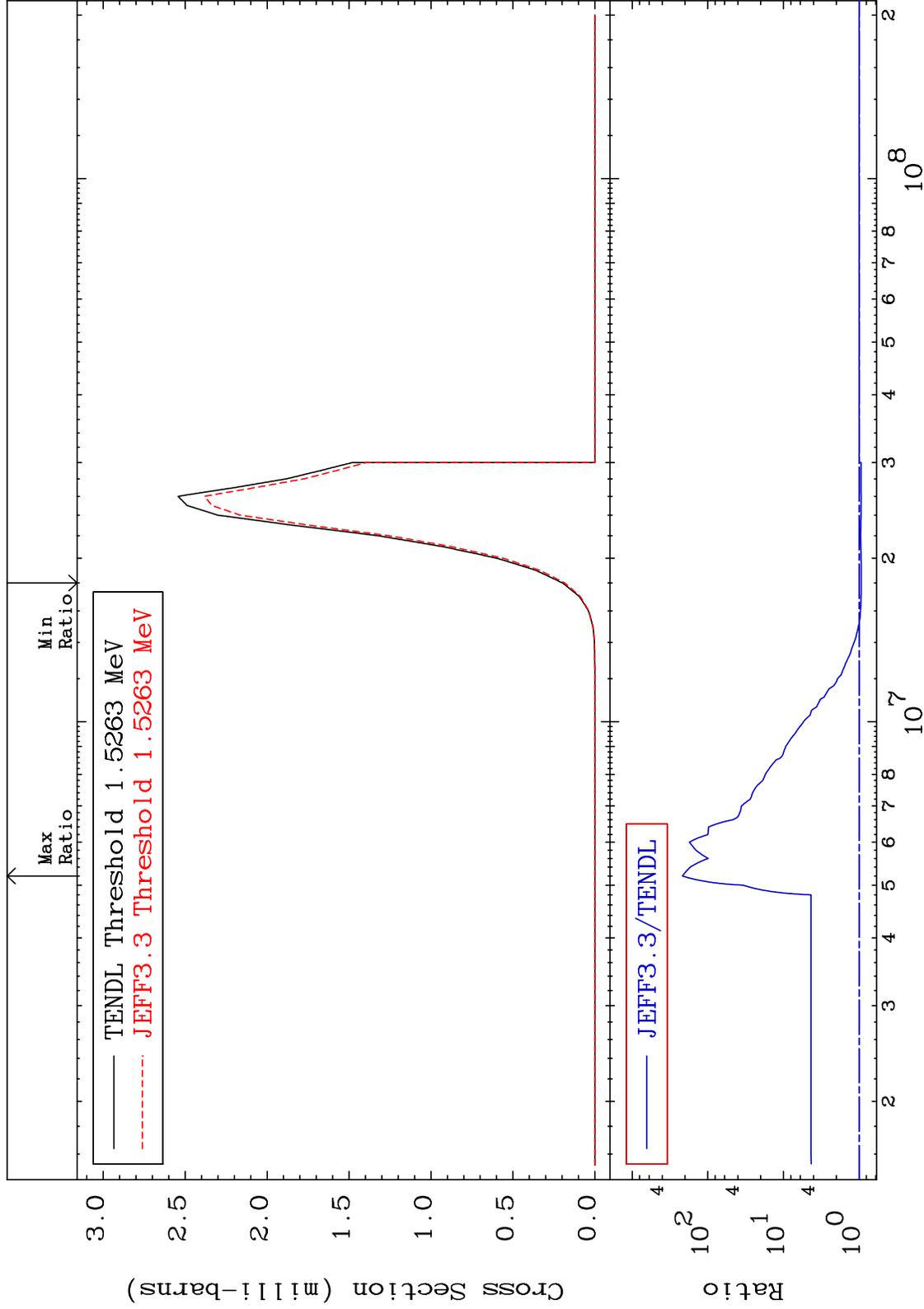


MAT 5061

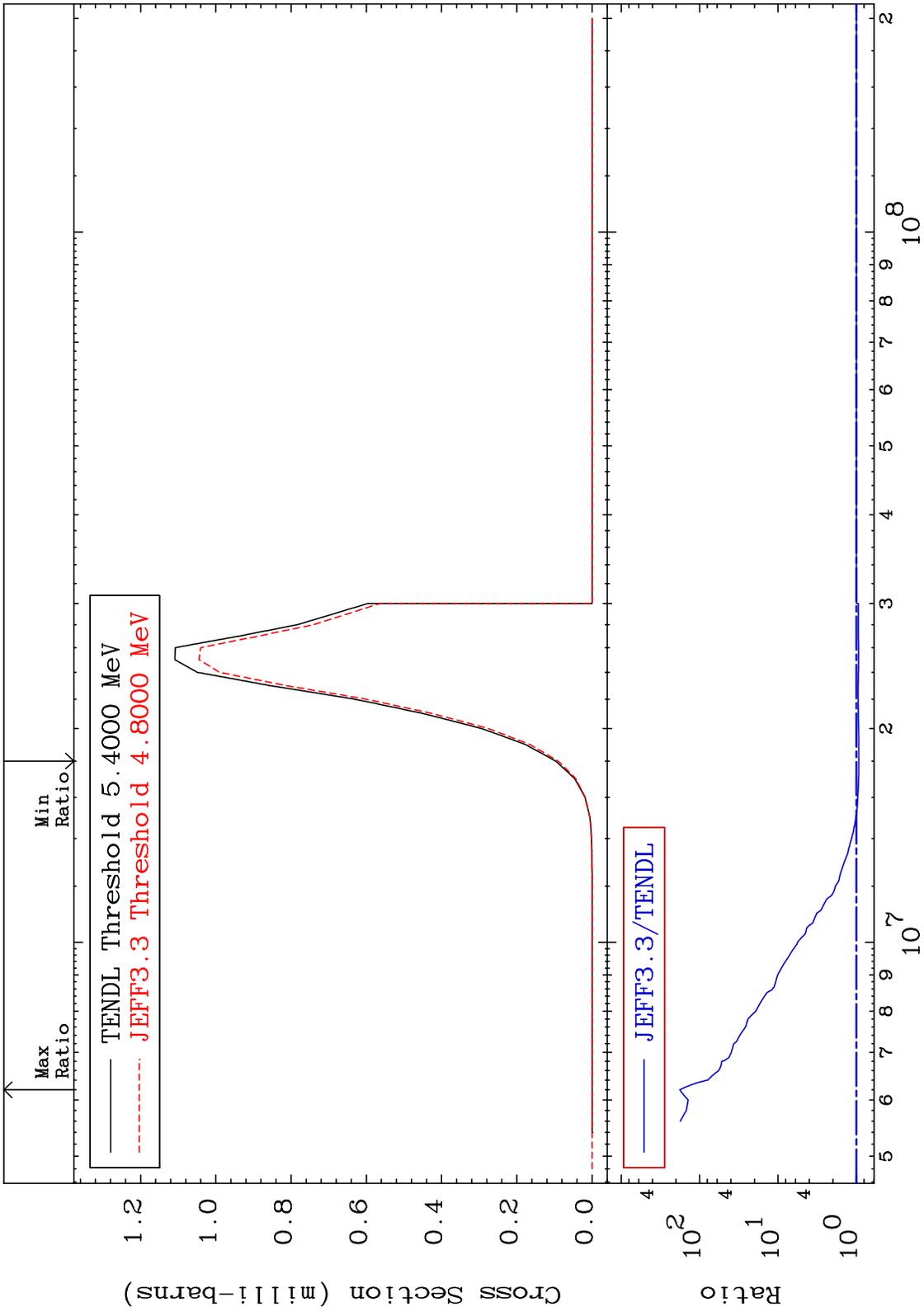
(n, α): 48-Cd-121g

50-Sn-124

Radionuclide Production Cross Section -6.763 To 9999. %



MAT 5061 (n, α): 48-Cd-121m2 50-Sn-124
 Radionuclide Production Cross Section -6.675 To 9999. %

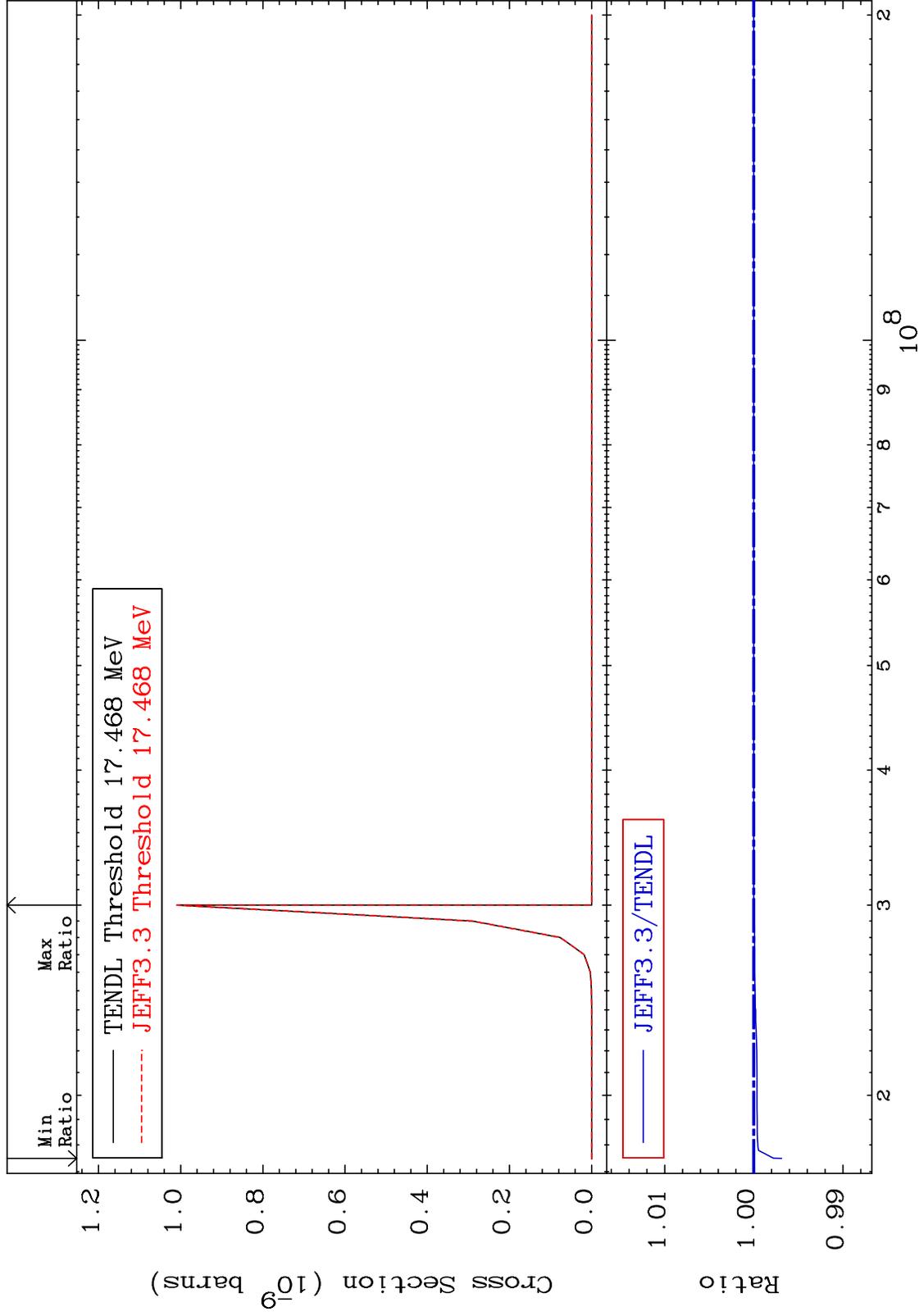


MAT 5061

(n,2p):48-Cd-123g

50-Sn-124

Radionuclide Production Cross Section -0.312 To 0.000 %



MAT 5061

(n,2p) : 48-Cd-123m3

50-Sn-124

Radionuclide Production Cross Section -0.043 To 0.000 %

