

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

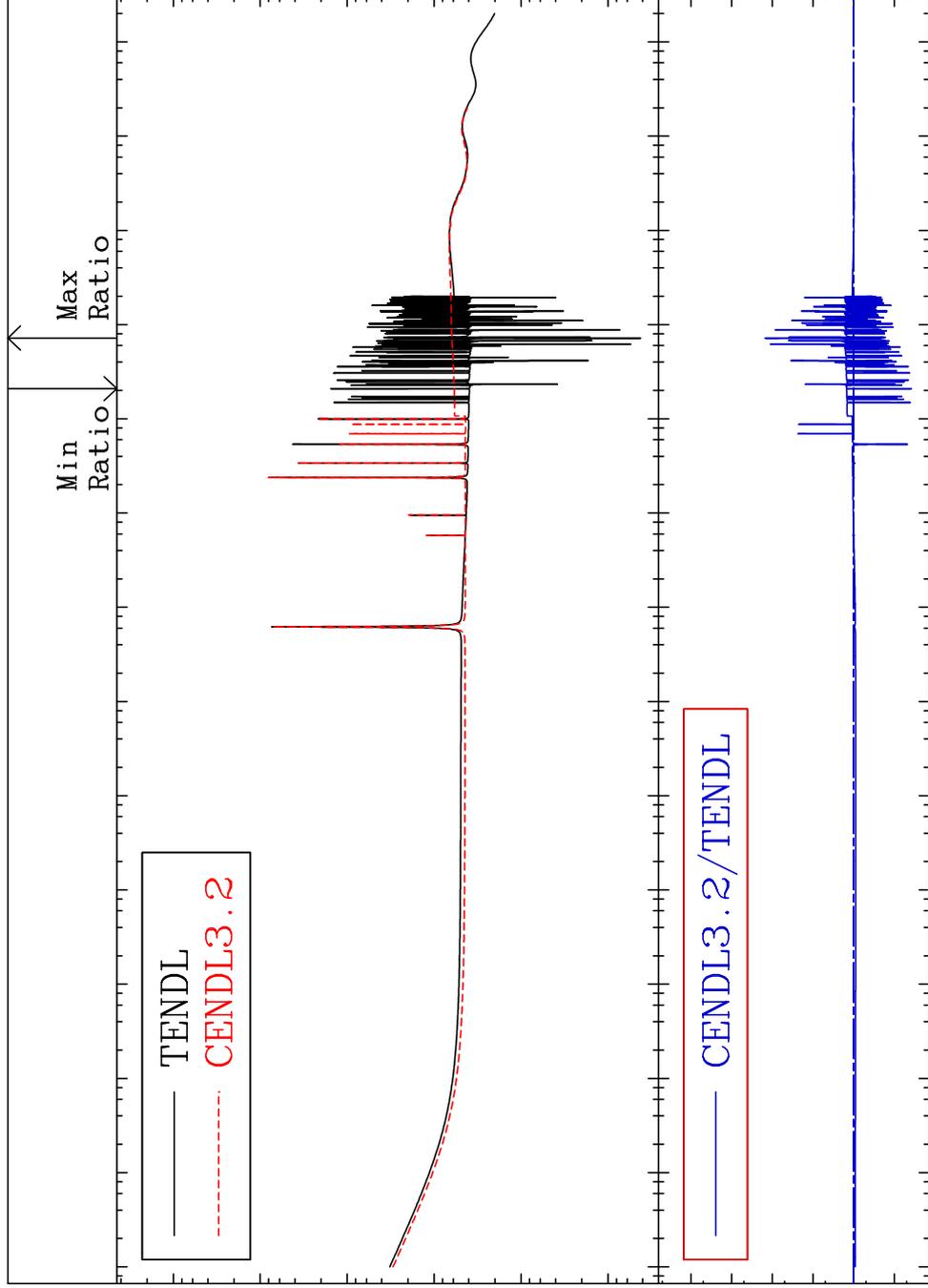
MAT 5061

Total

50-Sn-124

Cross Section

-96.18 To 9999. %



10⁴
10³
10²
10¹
10⁰
10⁻¹
Ratio
10²
10⁰

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

1

Incident Energy (eV)

50-Sn-124

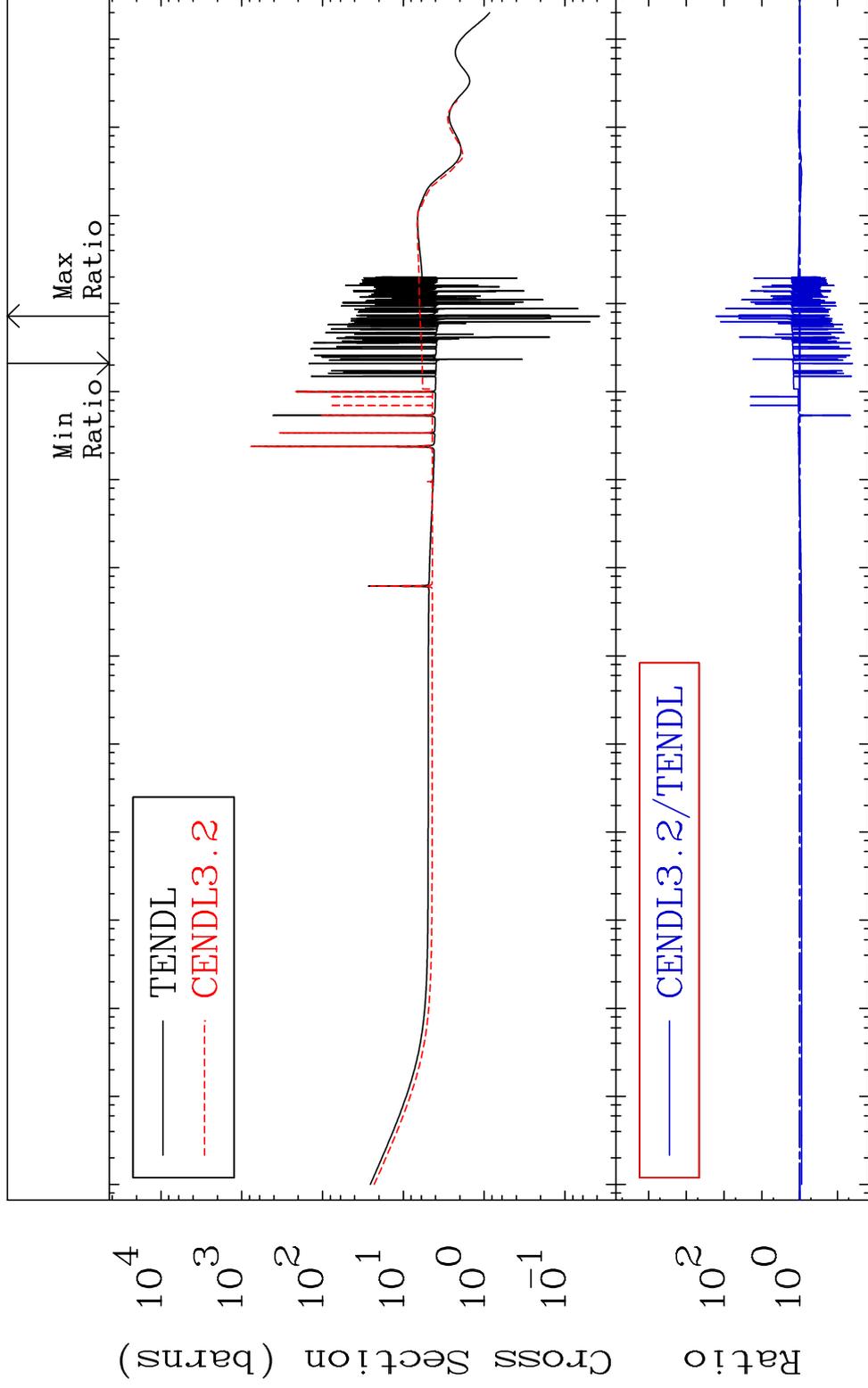
MAT 5061

Elastic

50-Sn-124

Cross Section

-96.01 To 9999. %



Incident Energy (eV)

2

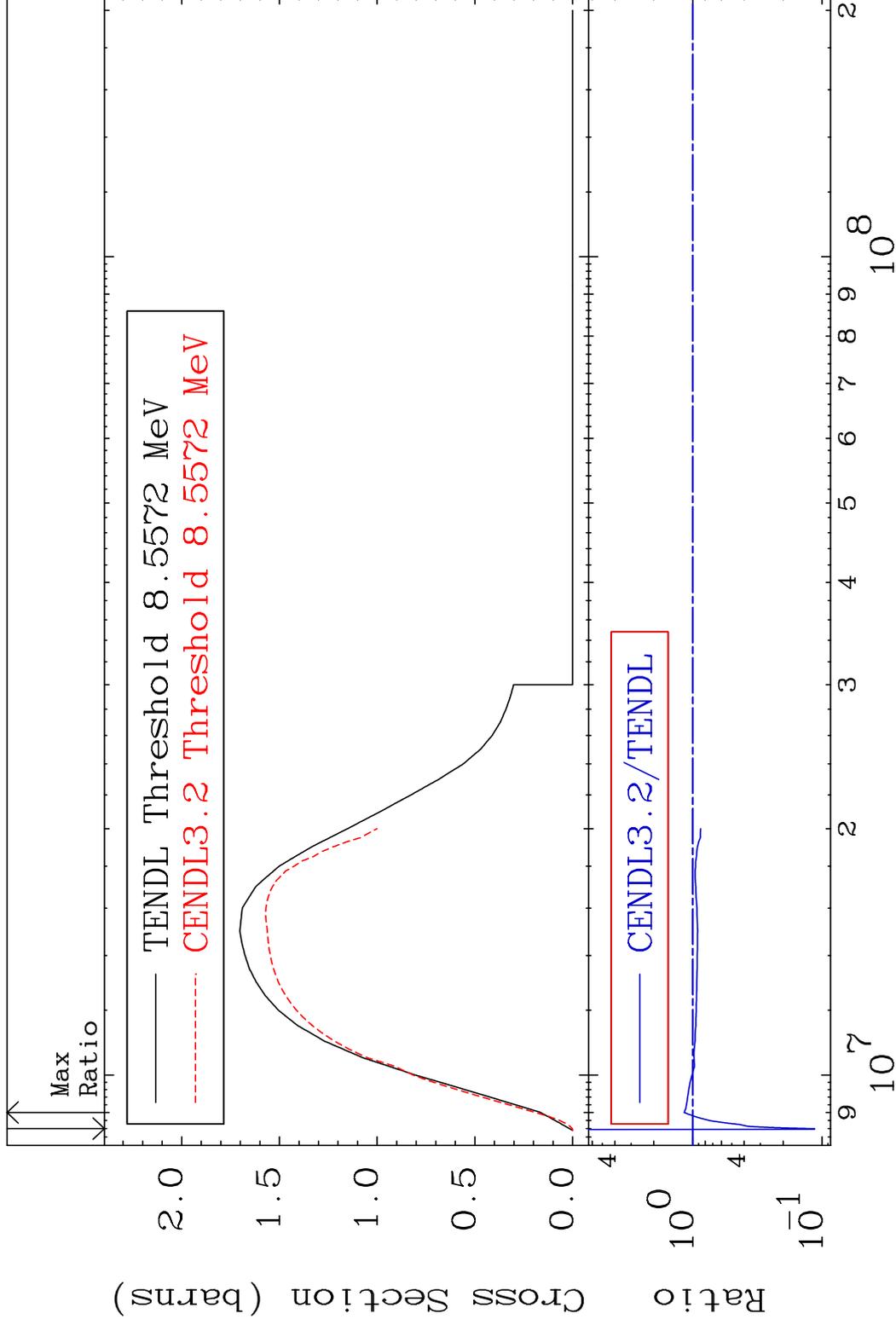
50-Sn-124

MAT 5061

(n,2n)

50-Sn-124

Cross Section -88.61 To 16.60 %



4

Incident Energy (eV)

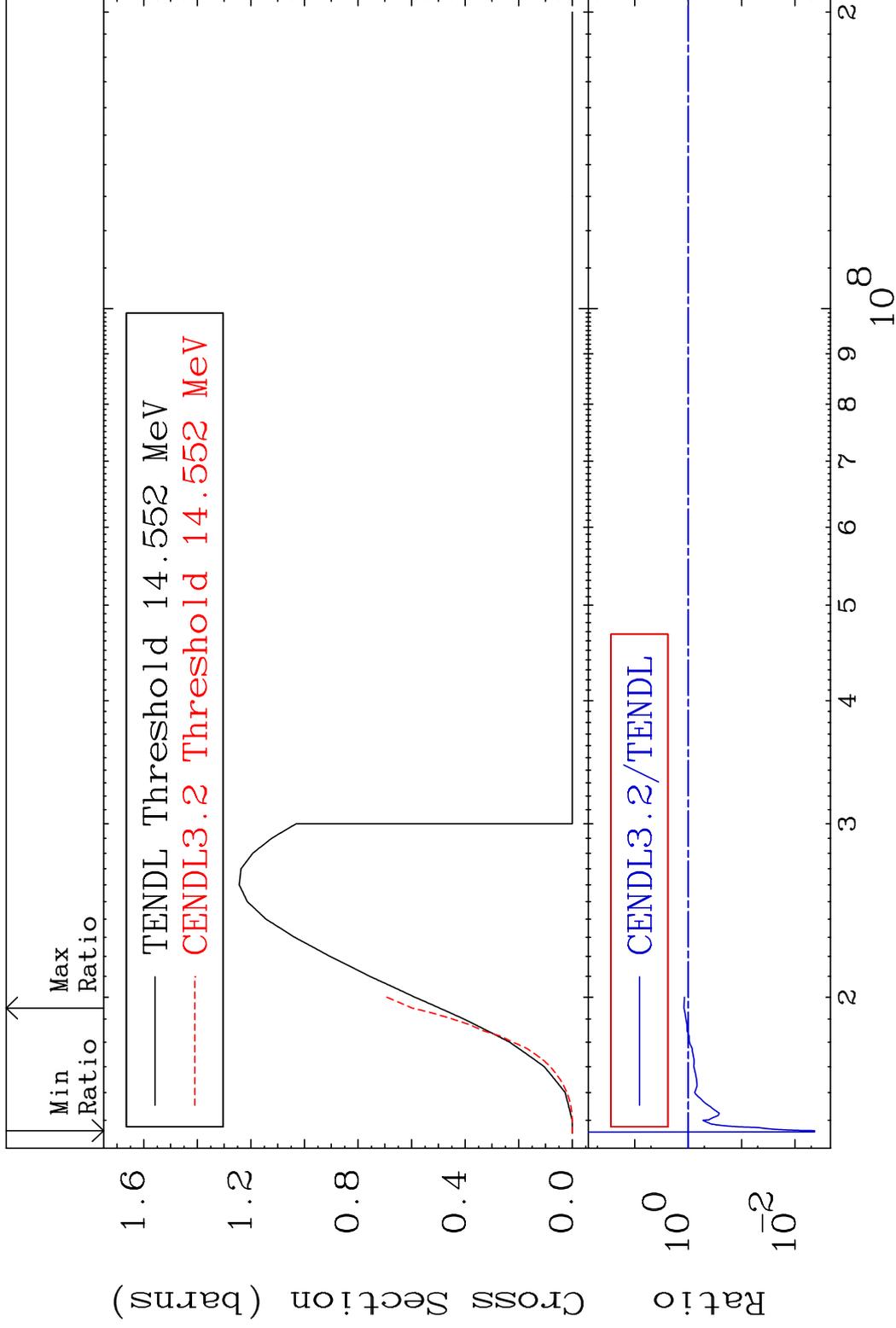
50-Sn-124

MAT 5061

(n,3n)

50-Sn-124

Cross Section -99.57 To 20.47 %



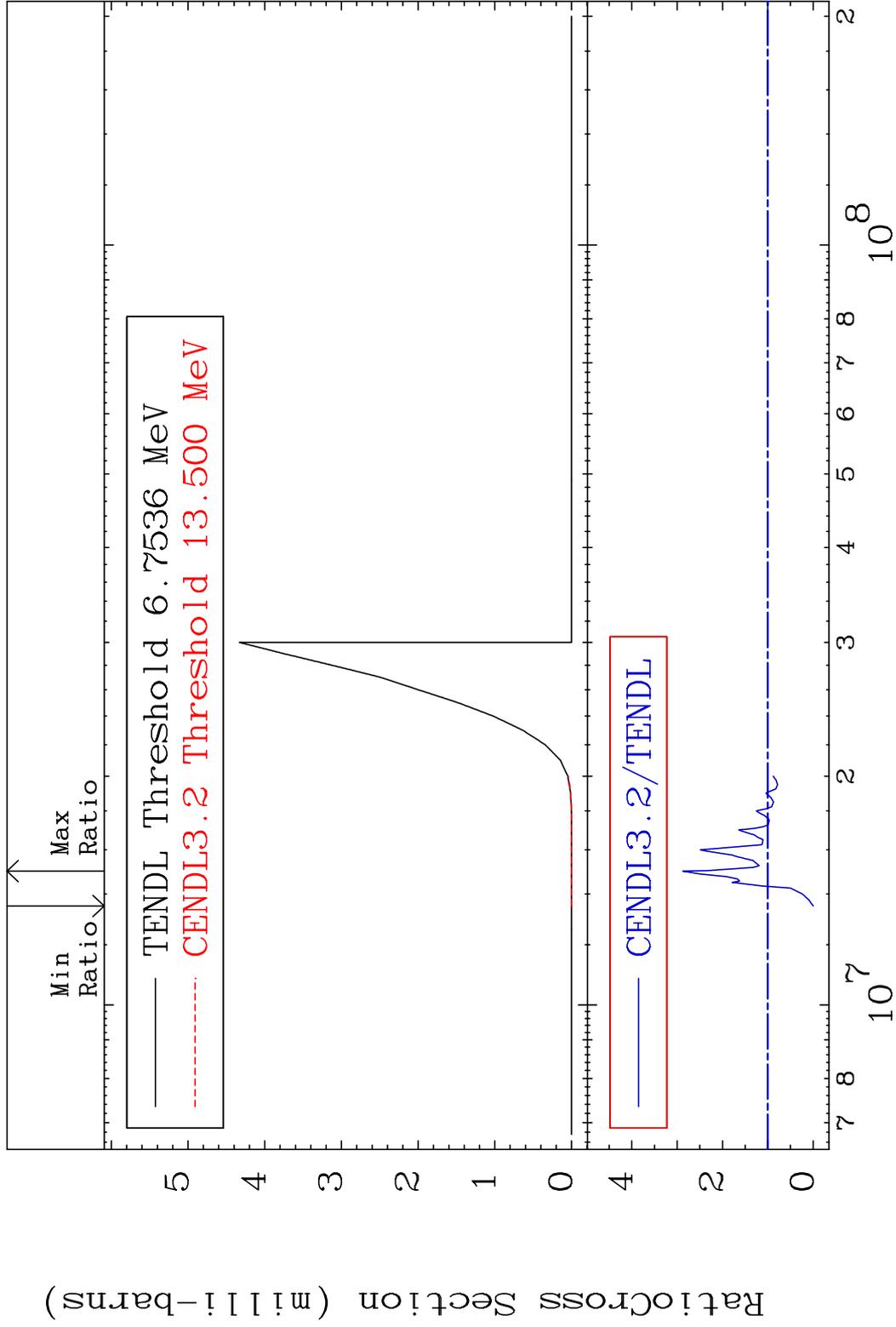
5

Incident Energy (eV)

50-Sn-124

MAT 5061

(n, n') α 50-Sn-124
Cross Section -100.0 To 187.5 %



6

Incident Energy (eV)

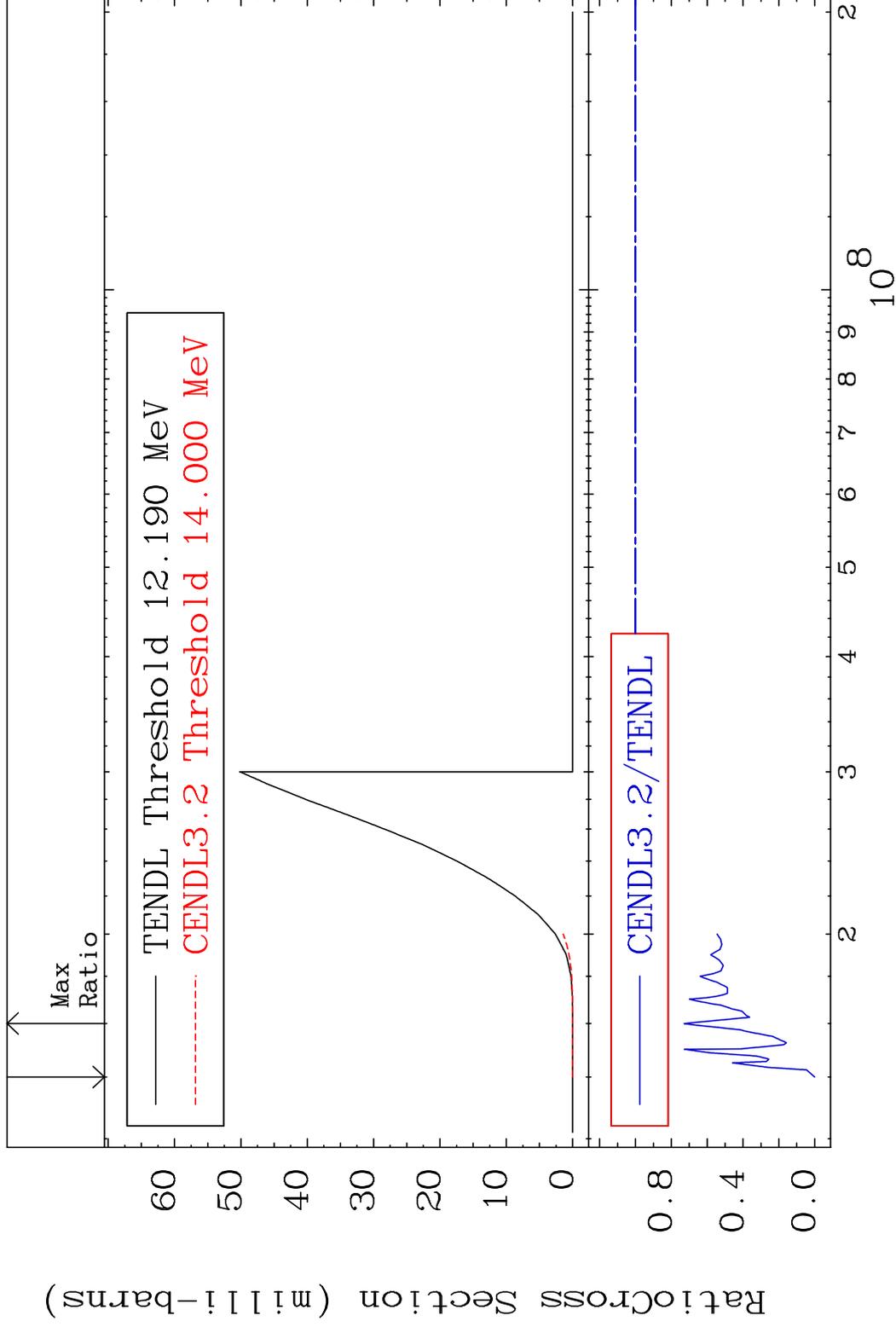
50-Sn-124

MAT 5061

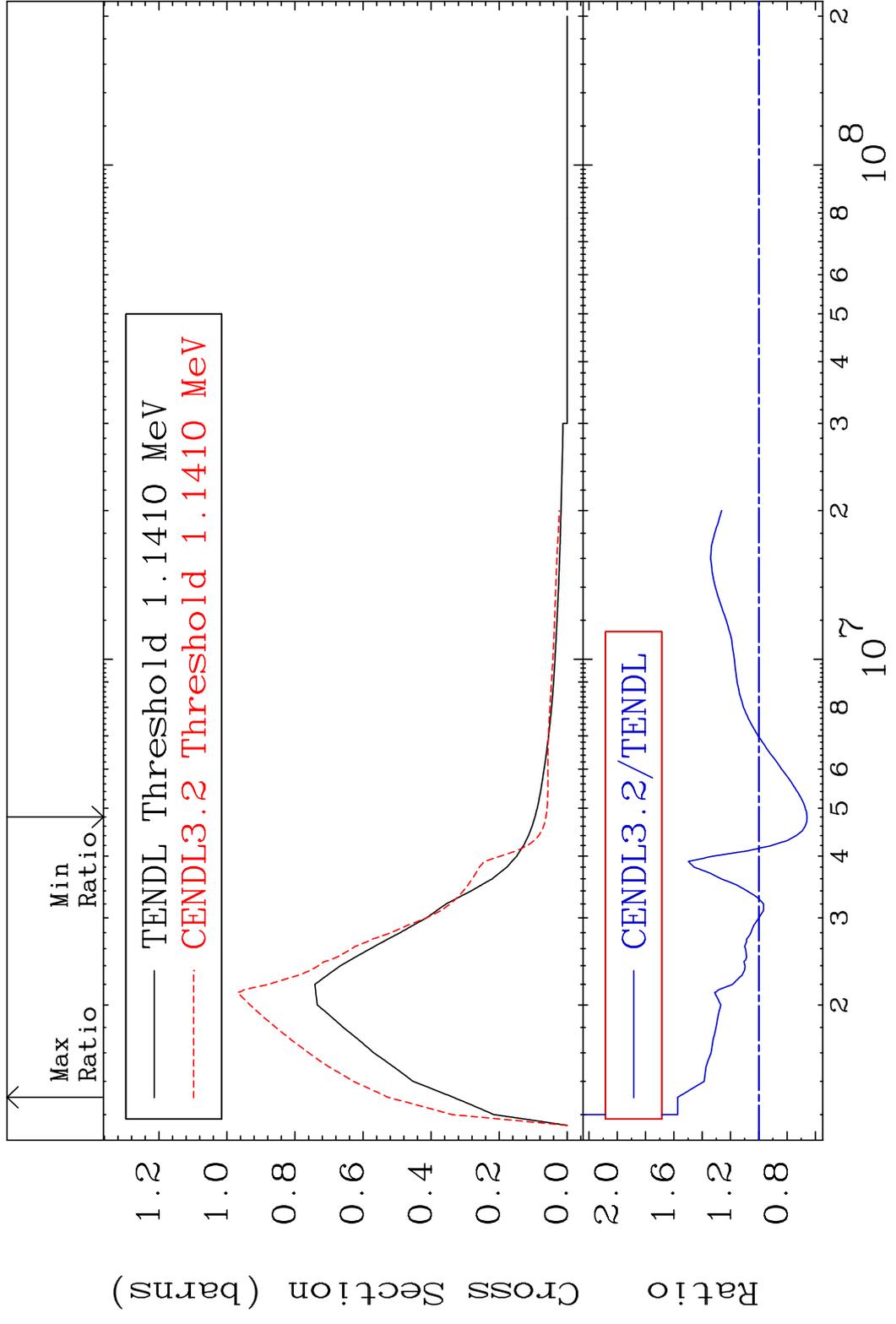
(n, n') p

50-Sn-124

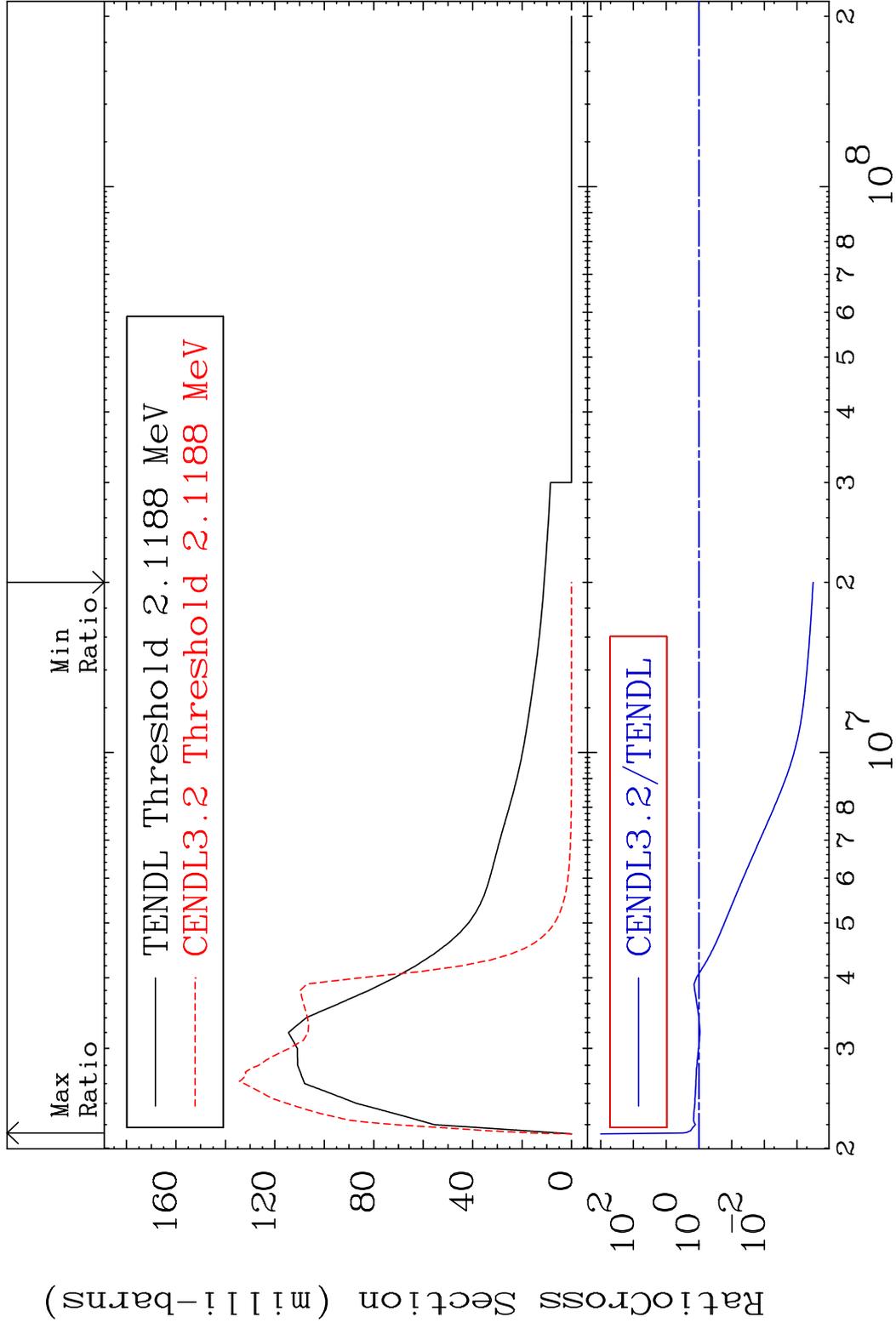
Cross Section -100.0 To -27.14%



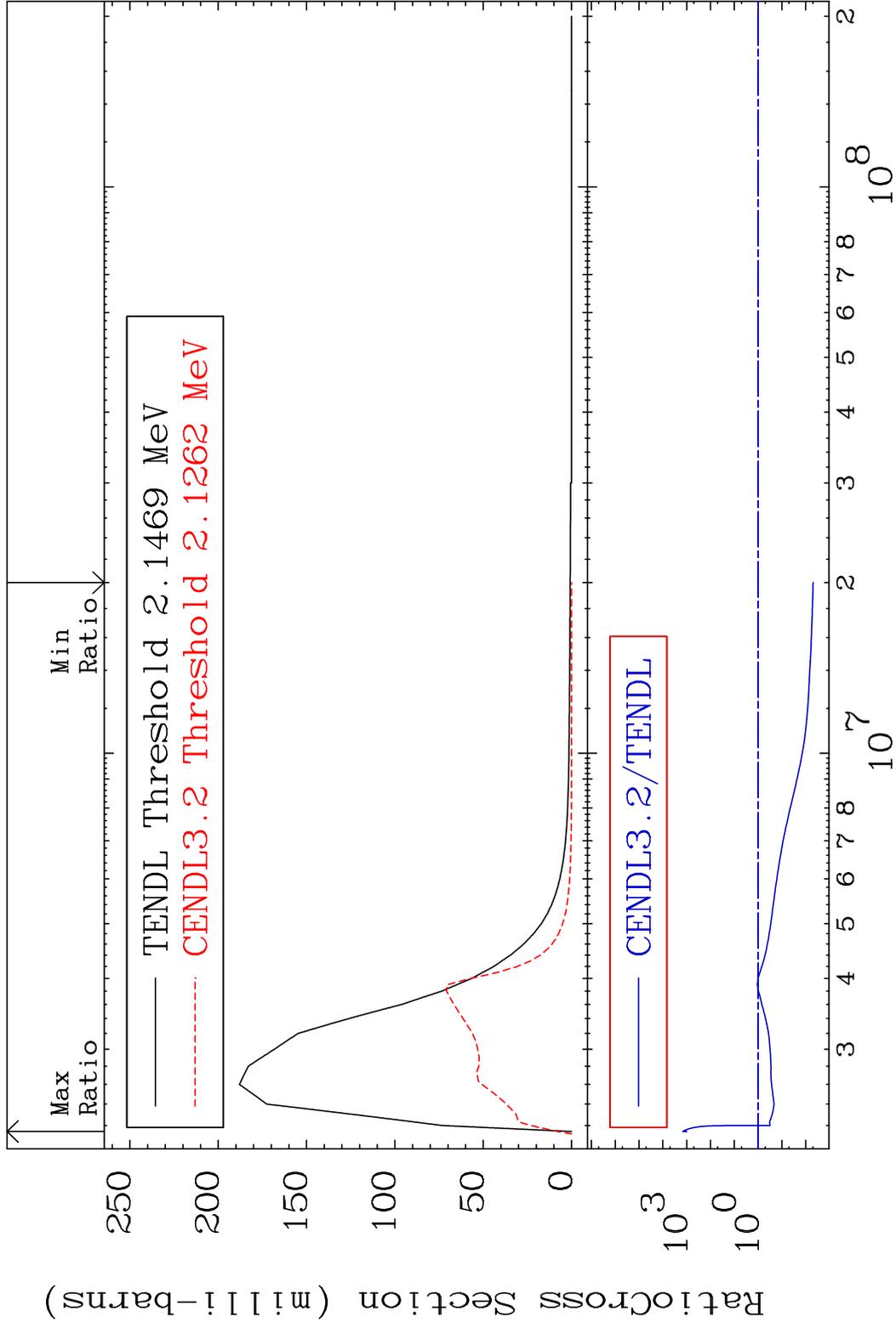
MAT 5061 MT= 51 (n, n') Level 50-Sn-124
 Cross Section -34.11 To 57.32 %



MAT 5061 MT= 52 (n, n') Level 50-Sn-124
 Cross Section -99.97 To 209.5 %

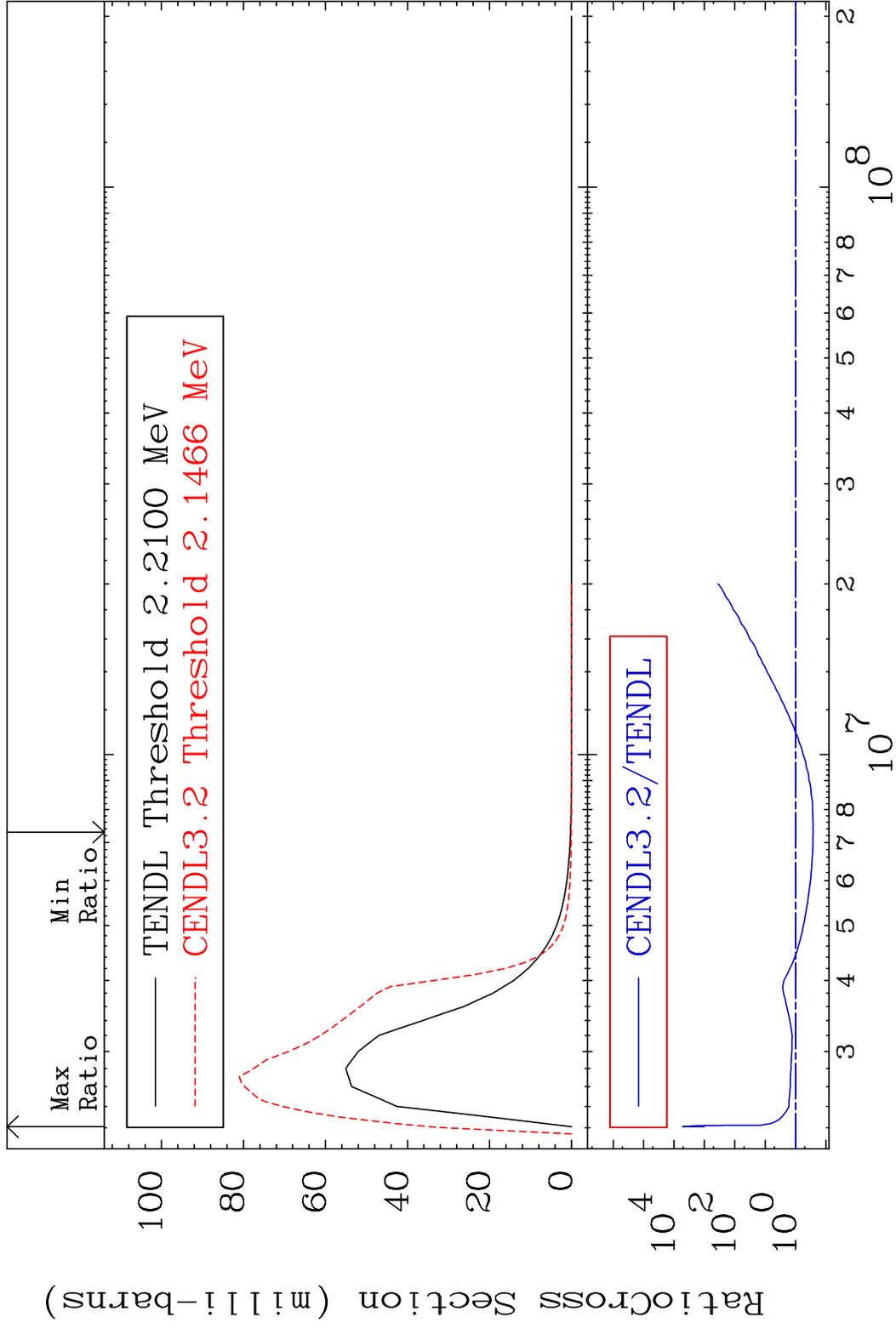


MAT 5061 MT= 53 (n, n') Level 50-Sn-124
 Cross Section -99.51 To 9999. %

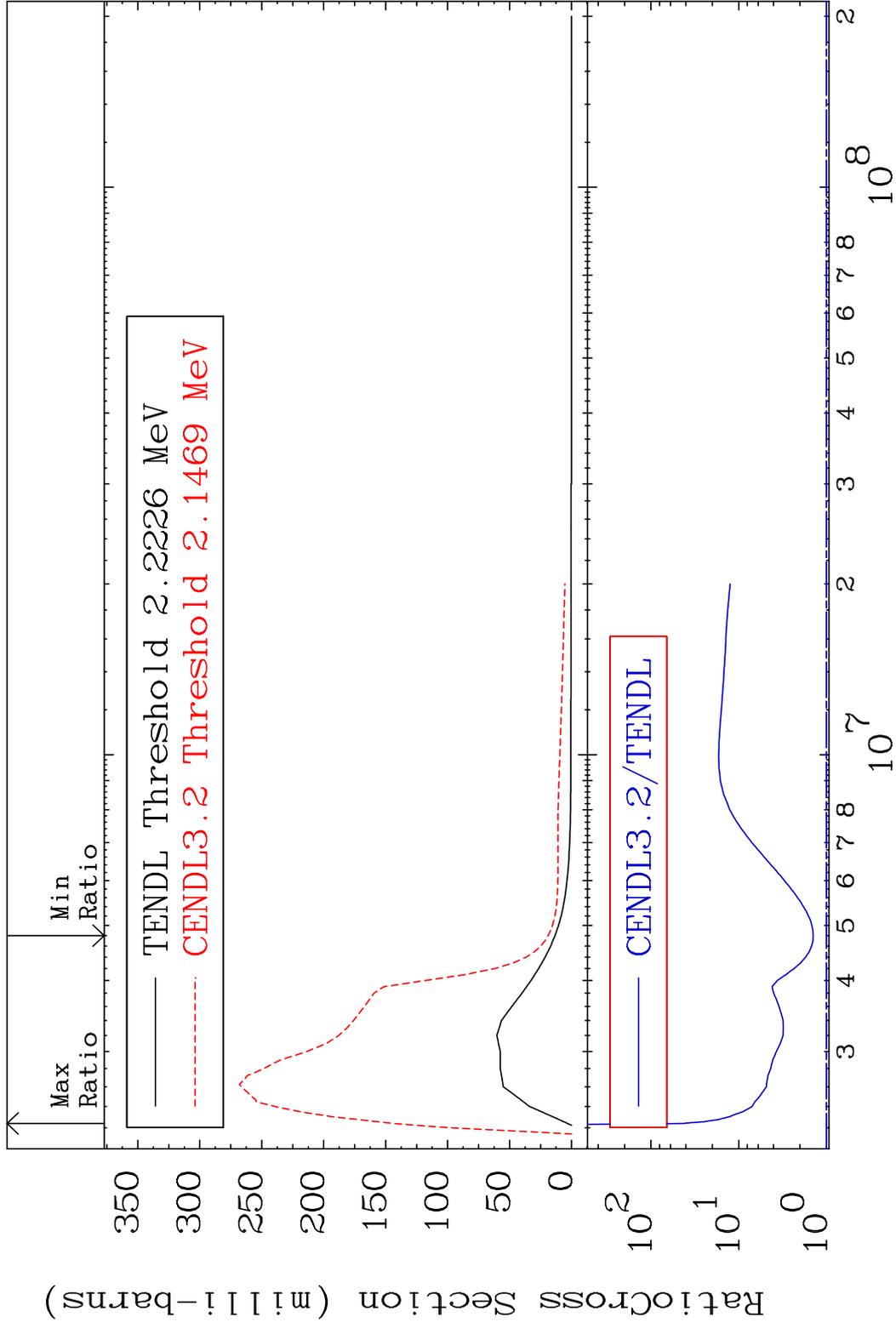


10 Incident Energy (eV) 50-Sn-124

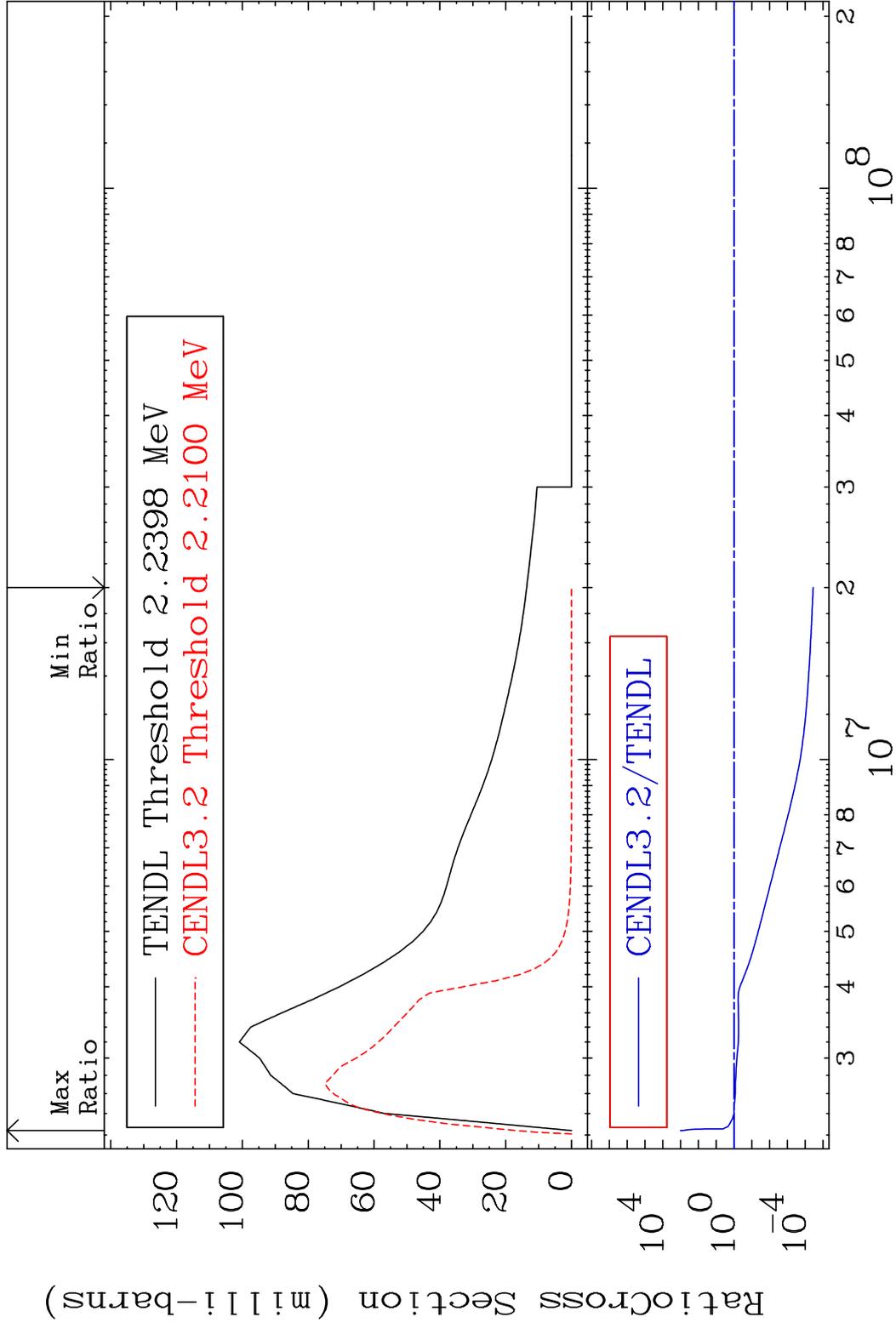
MAT 5061 MT= 54 (n,n') Level 50-Sn-124
 Cross Section -73.57 To 9999. %



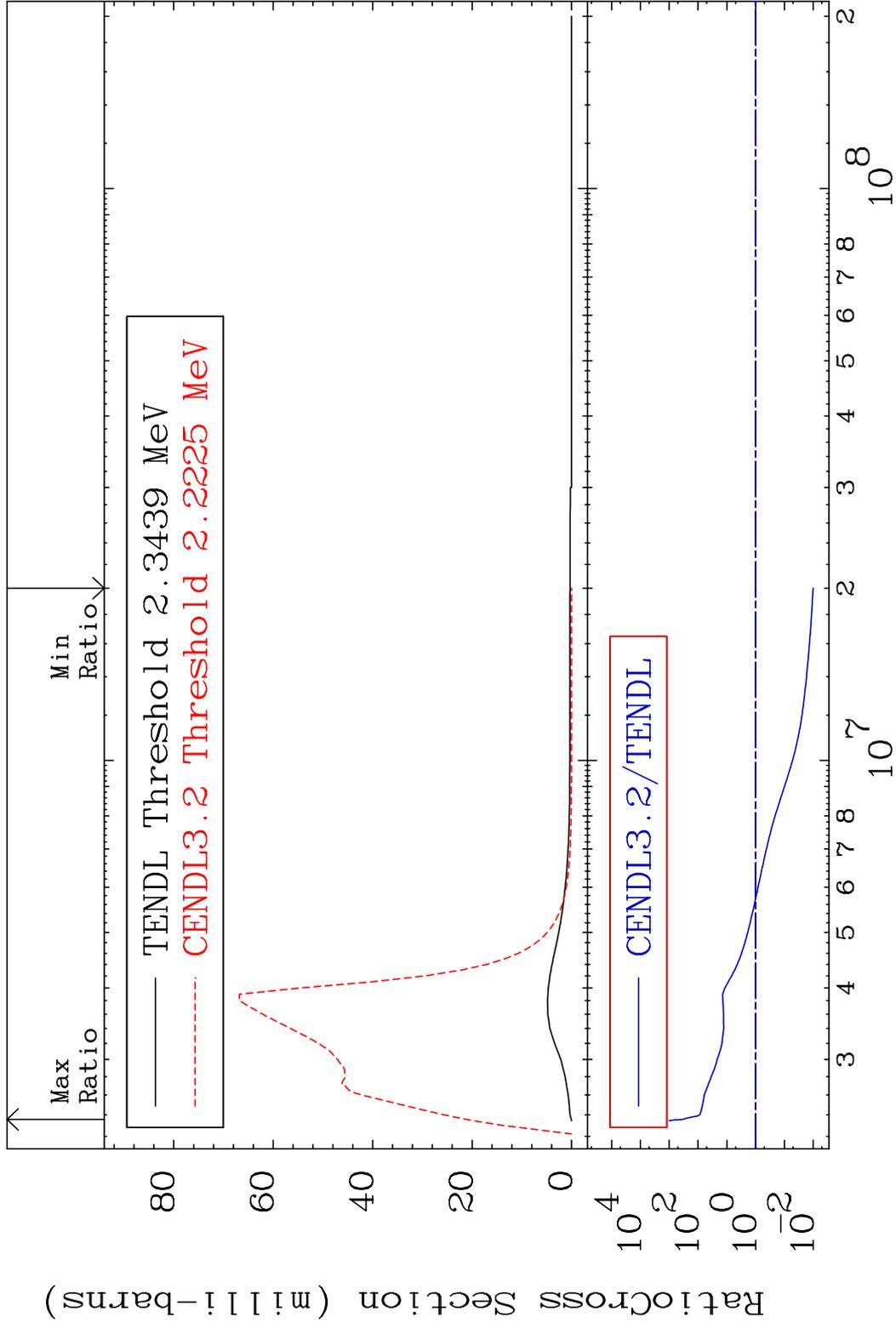
MAT 5061 MT= 55 (n,n') Level 50-Sn-124
 Cross Section 41.48 To 4236. %



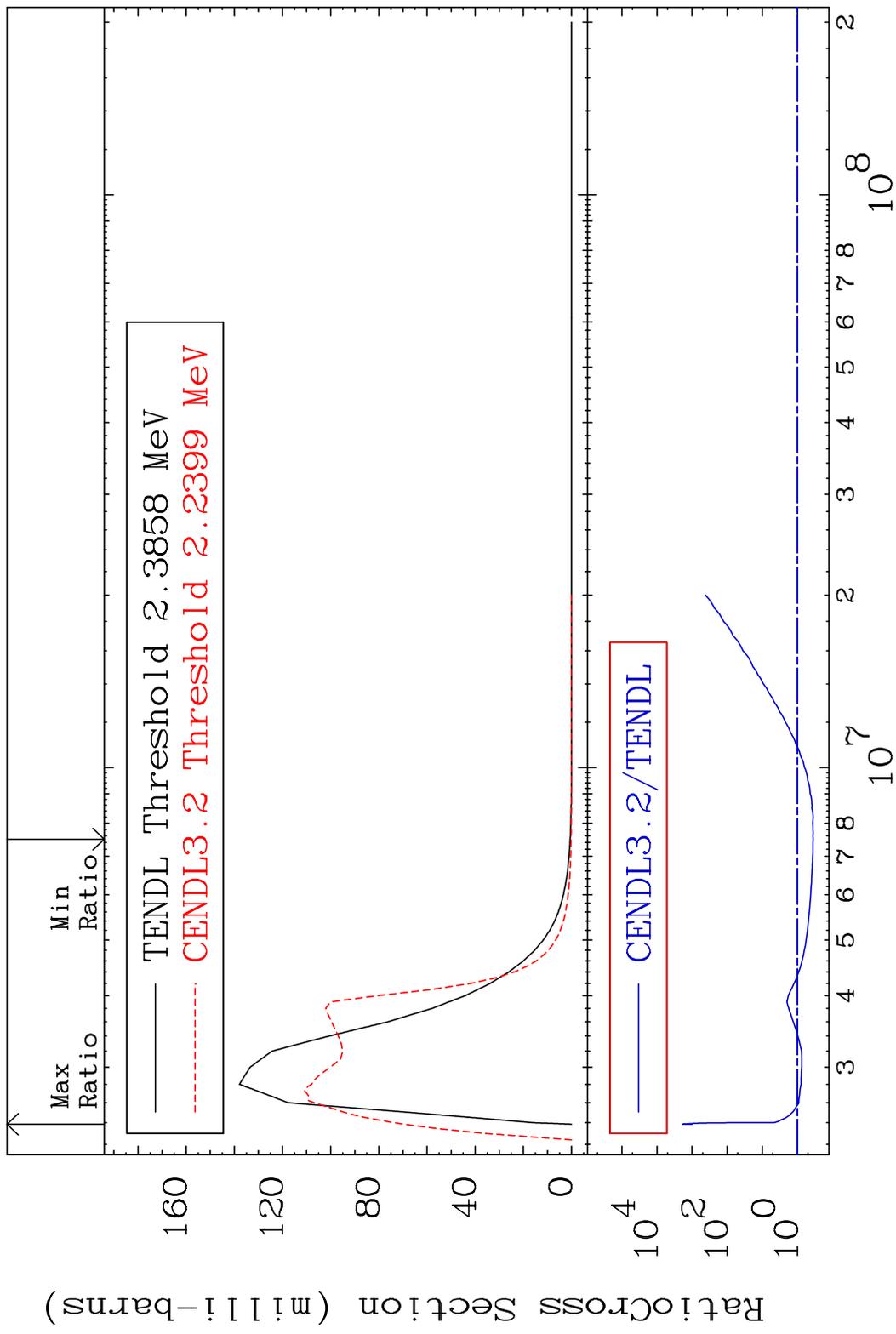
MAT 5061 MT= 56 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



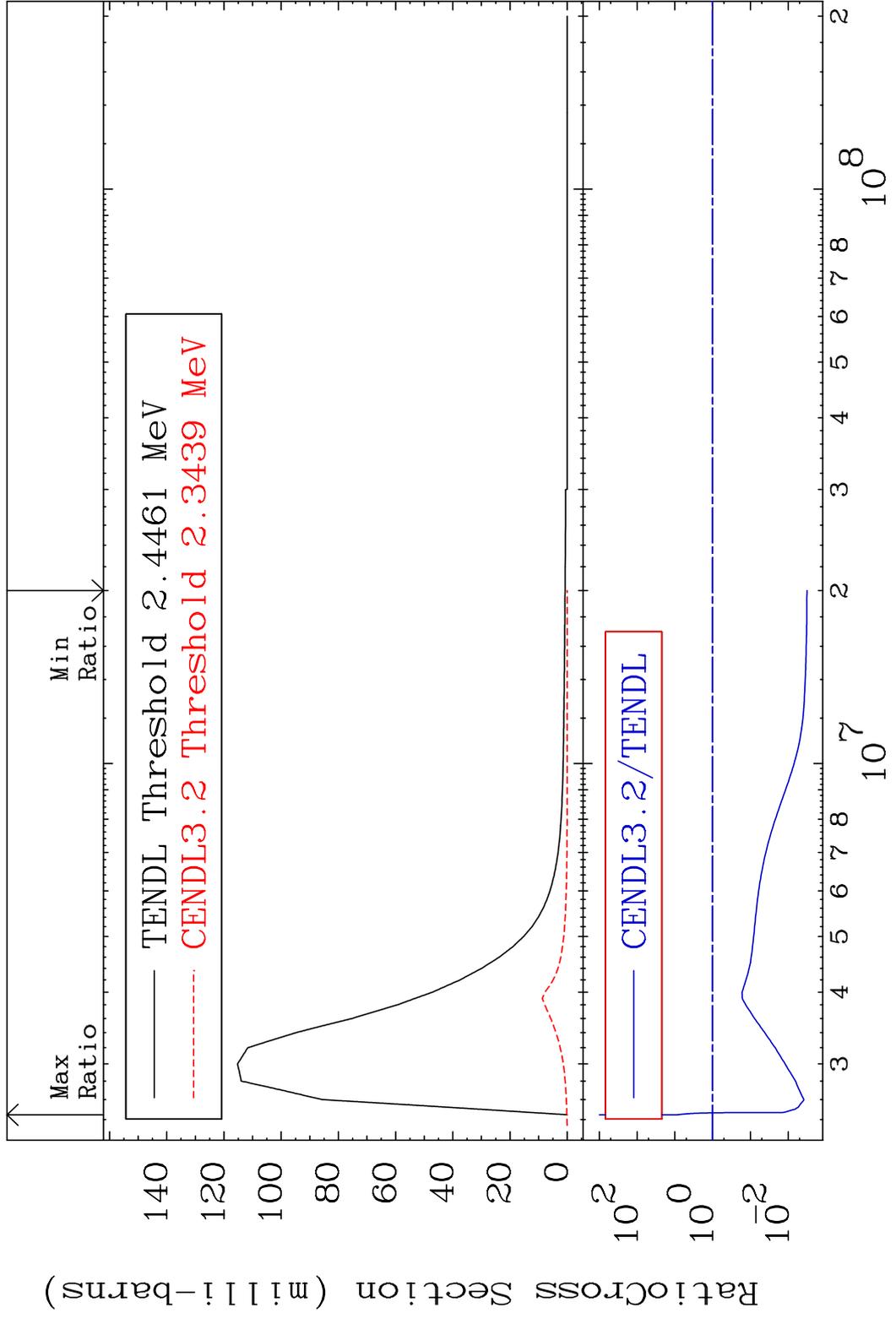
MAT 5061 MT= 57 (n,n') Level 50-Sn-124
 Cross Section -98.99 To 9999. %



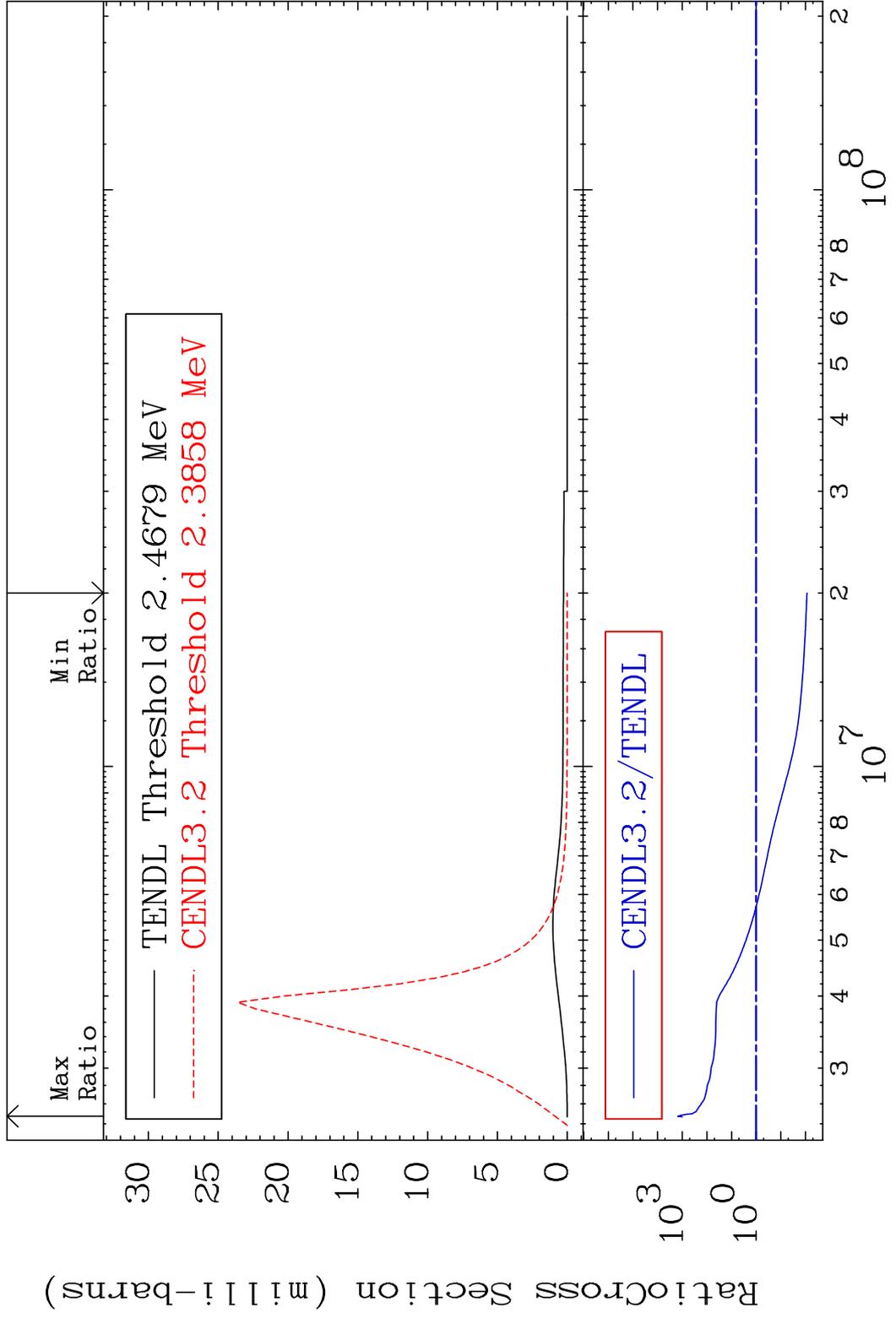
MAT 5061 MT= 58 (n,n') Level 50-Sn-124
 Cross Section -64.55 To 9999. %



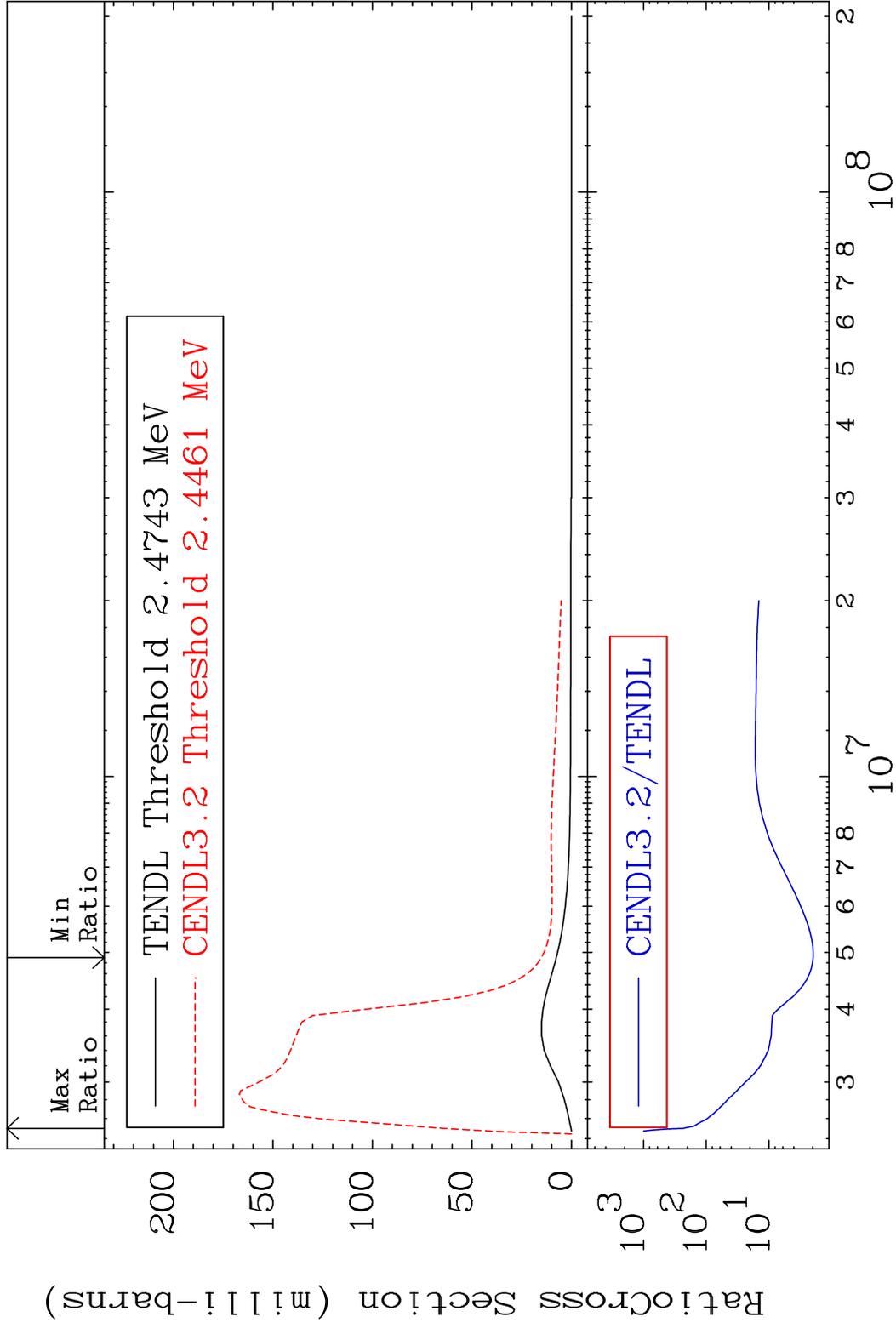
MAT 5061 MT= 59 (n,n') Level 50-Sn-124
 Cross Section -99.68 To 742.5 %



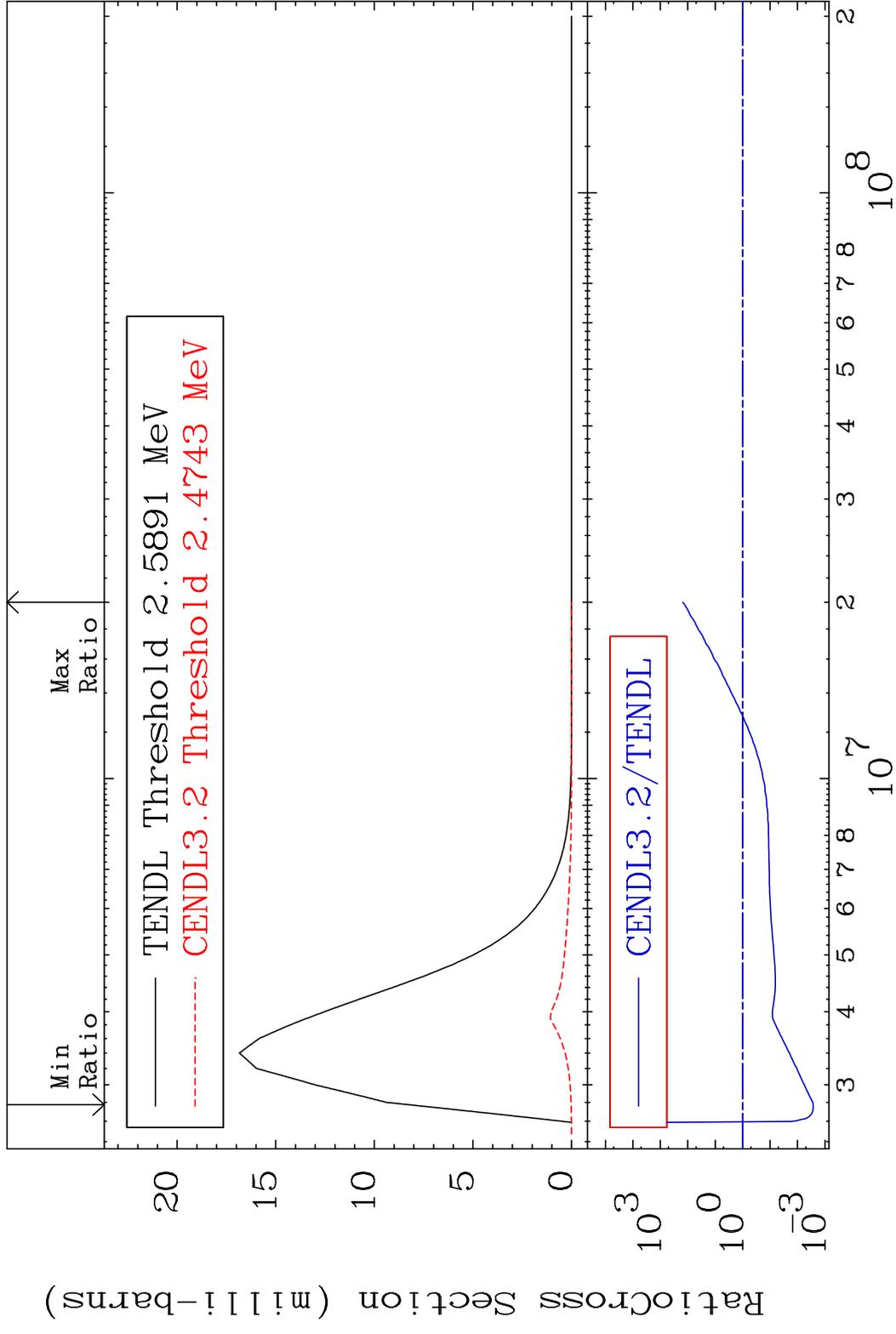
MAT 5061 MT= 60 (n,n') Level 50-Sn-124
 Cross Section -99.13 To 9999. %



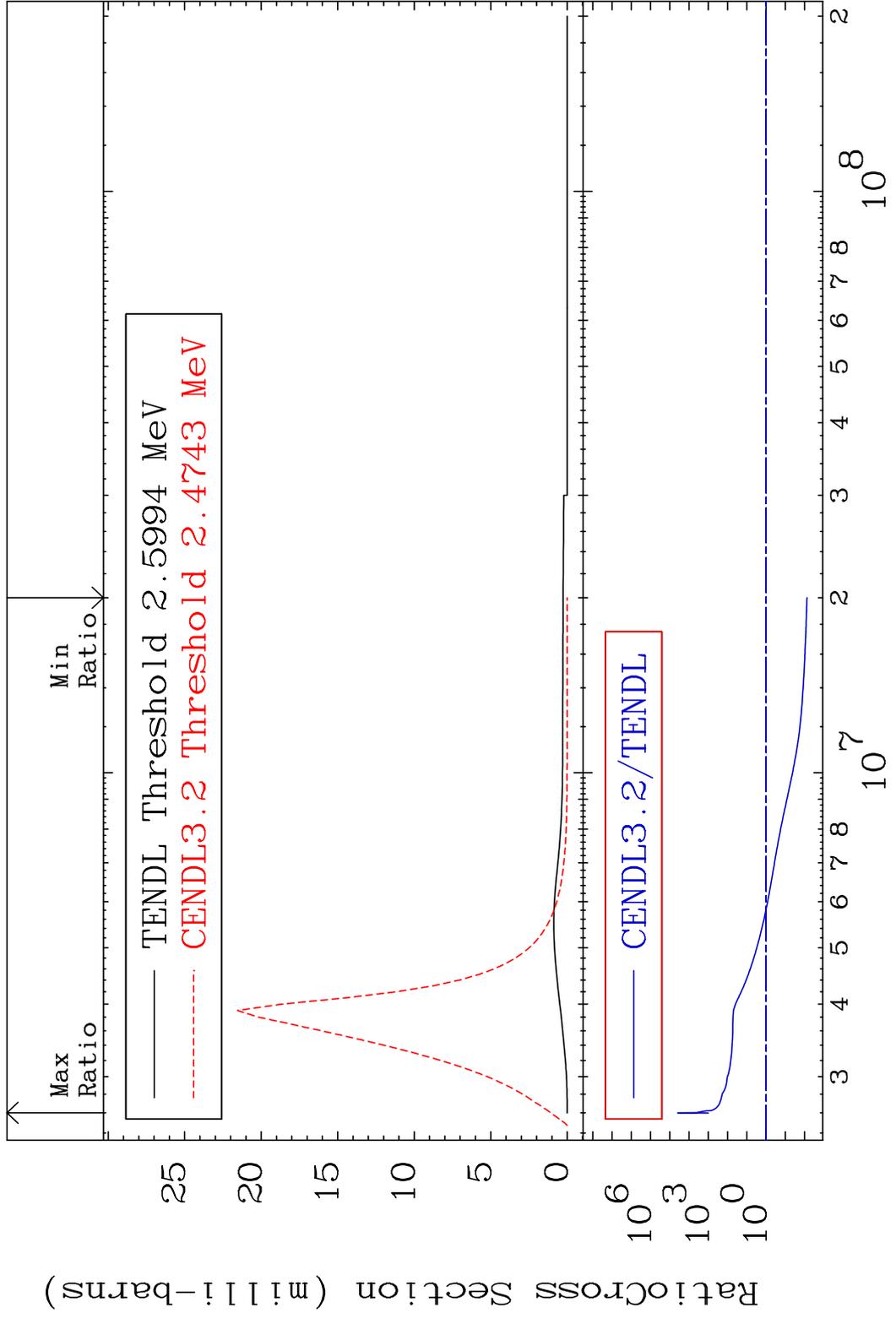
MAT 5061 MT= 61 (n,n') Level 50-Sn-124
 Cross Section 97.10 To 9999. %



MAT 5061 MT= 62 (n, n') Level 50-Sn-124
 Cross Section -99.73 To 9999. %

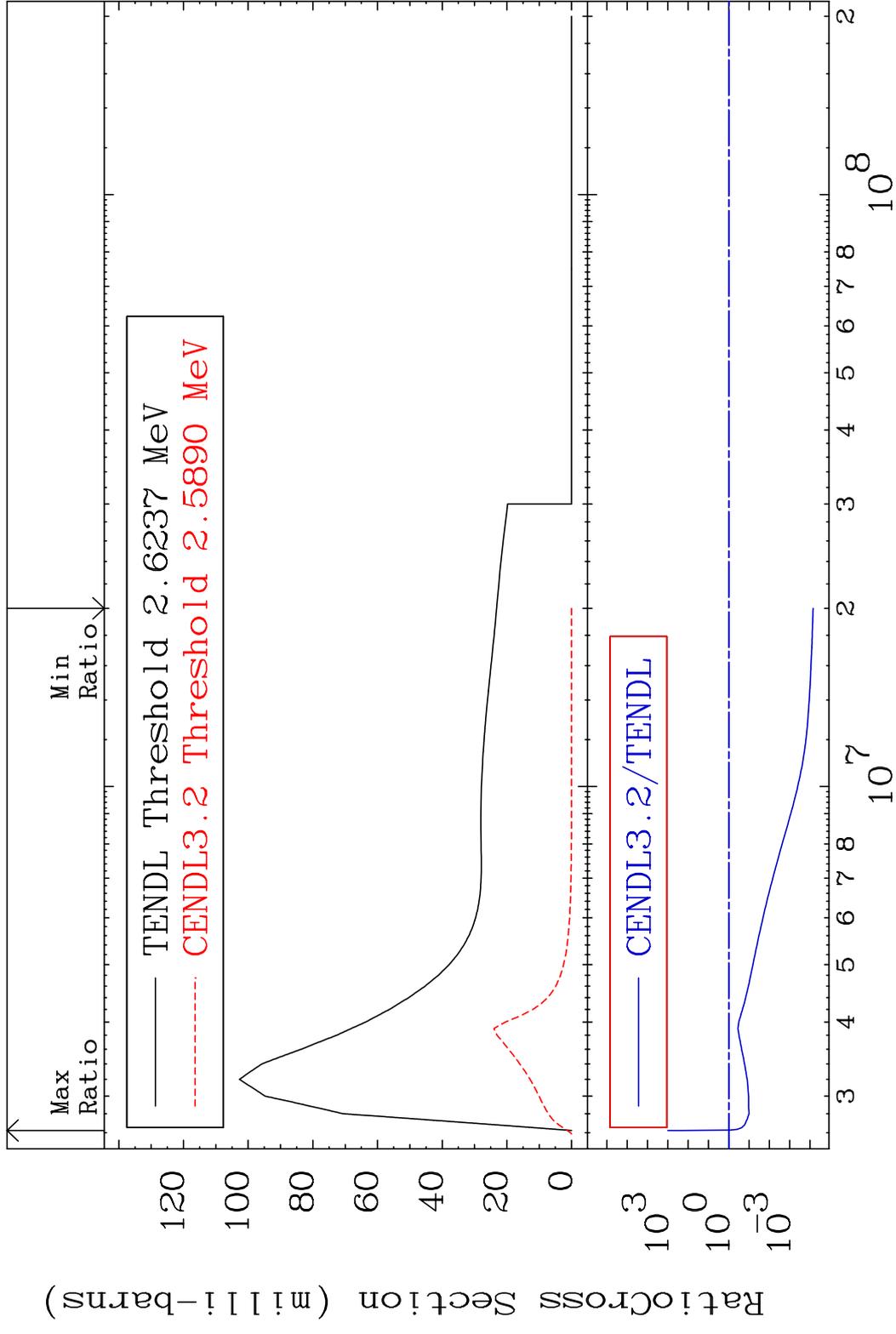


MAT 5061 MT= 63 (n, n') Level 50-Sn-124
 Cross Section -99.26 To 9999. %

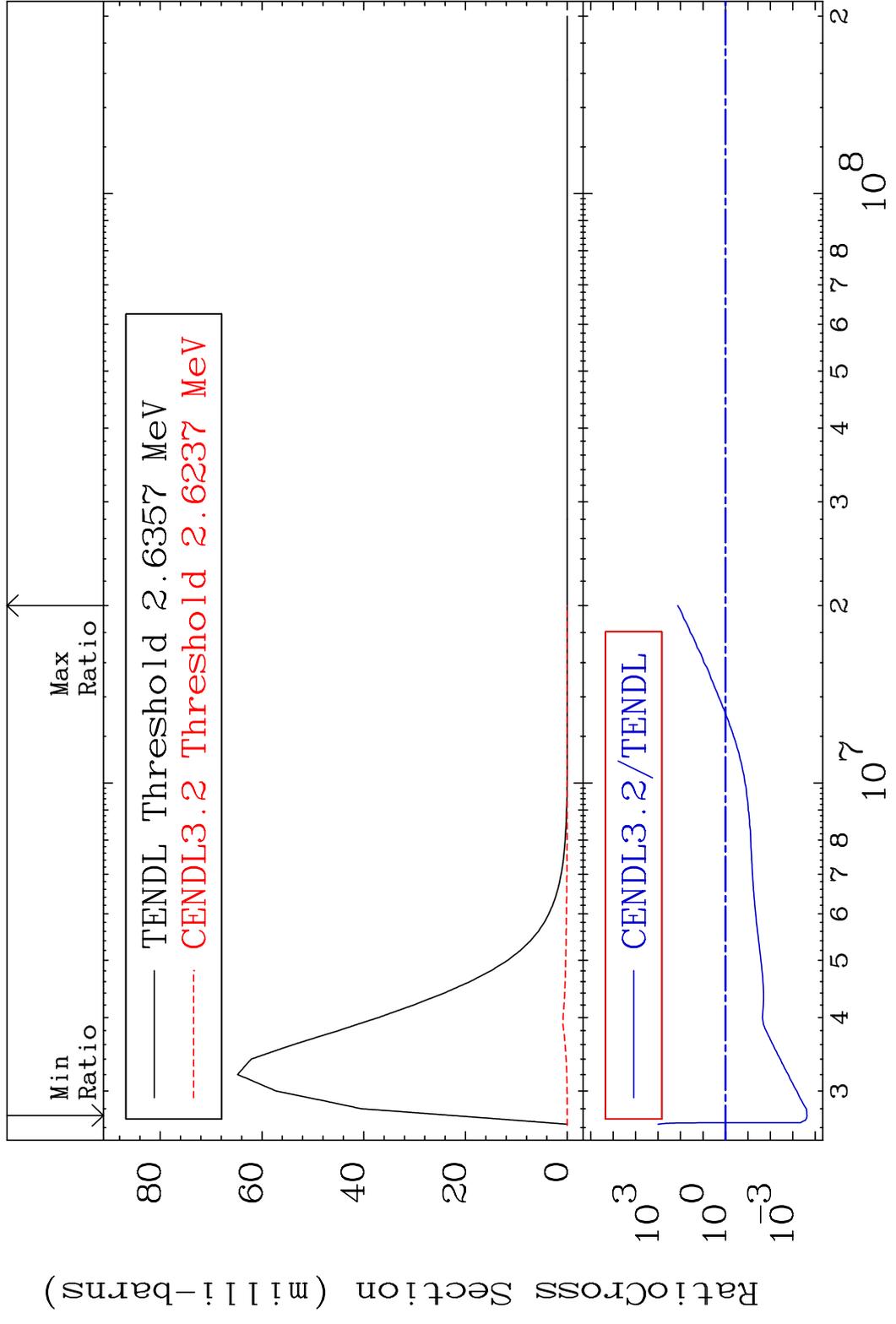


20 Incident Energy (eV) 50-Sn-124

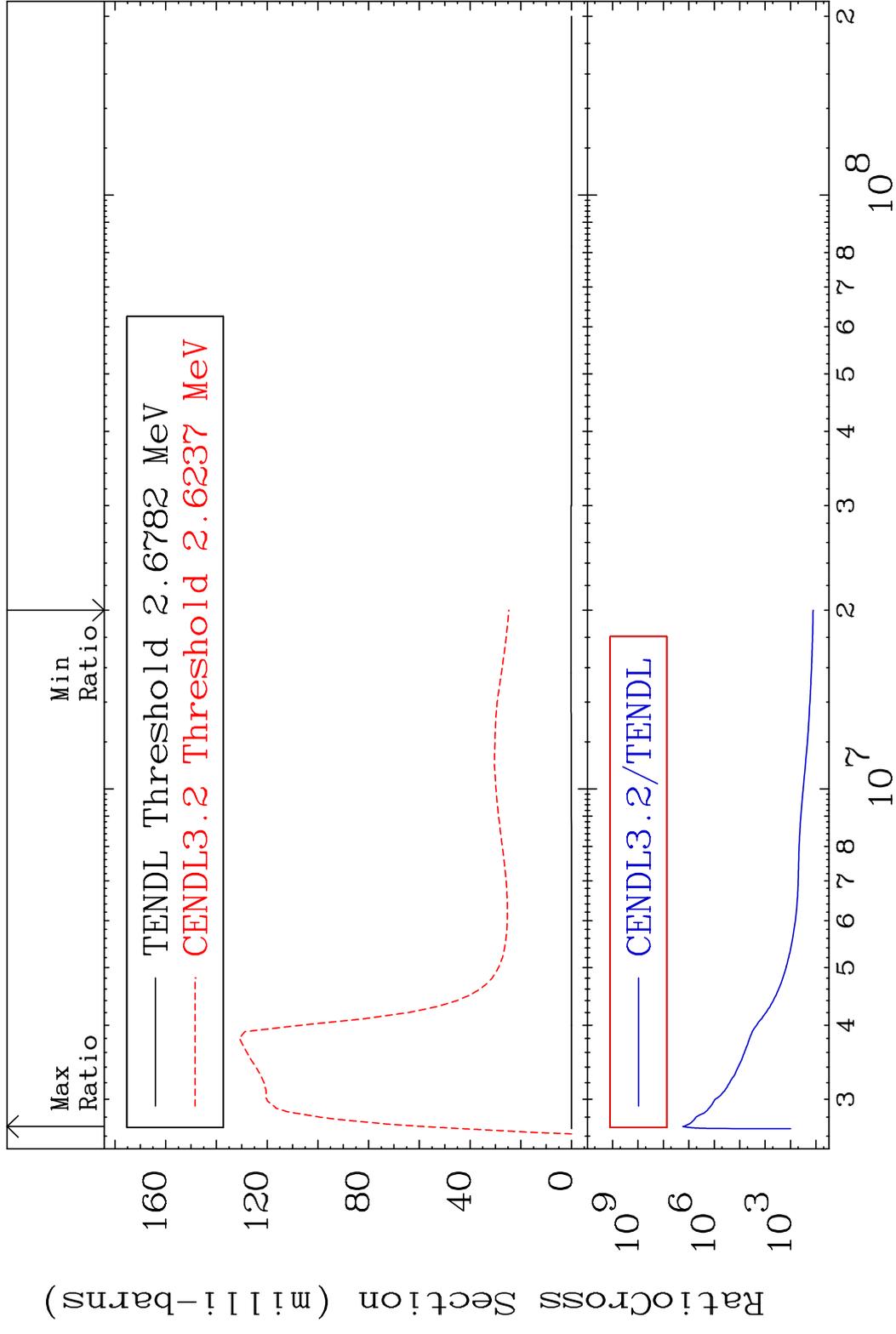
MAT 5061 MT= 64 (n,n') Level 50-Sn-124
 Cross Section -99.99 To 9999. %



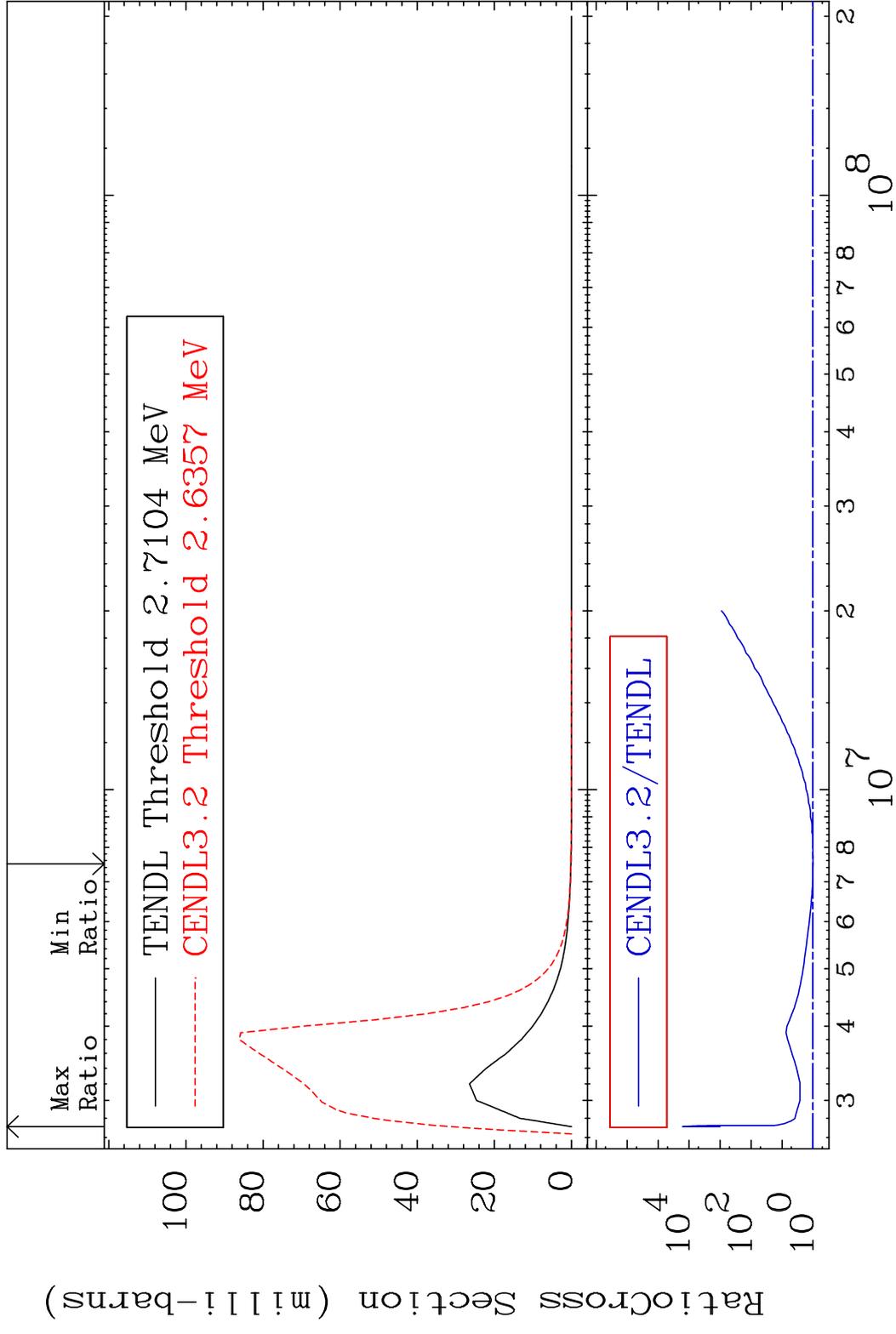
MAT 5061 MT= 65 (n,n') Level 50-Sn-124
 Cross Section -99.98 To 9999. %



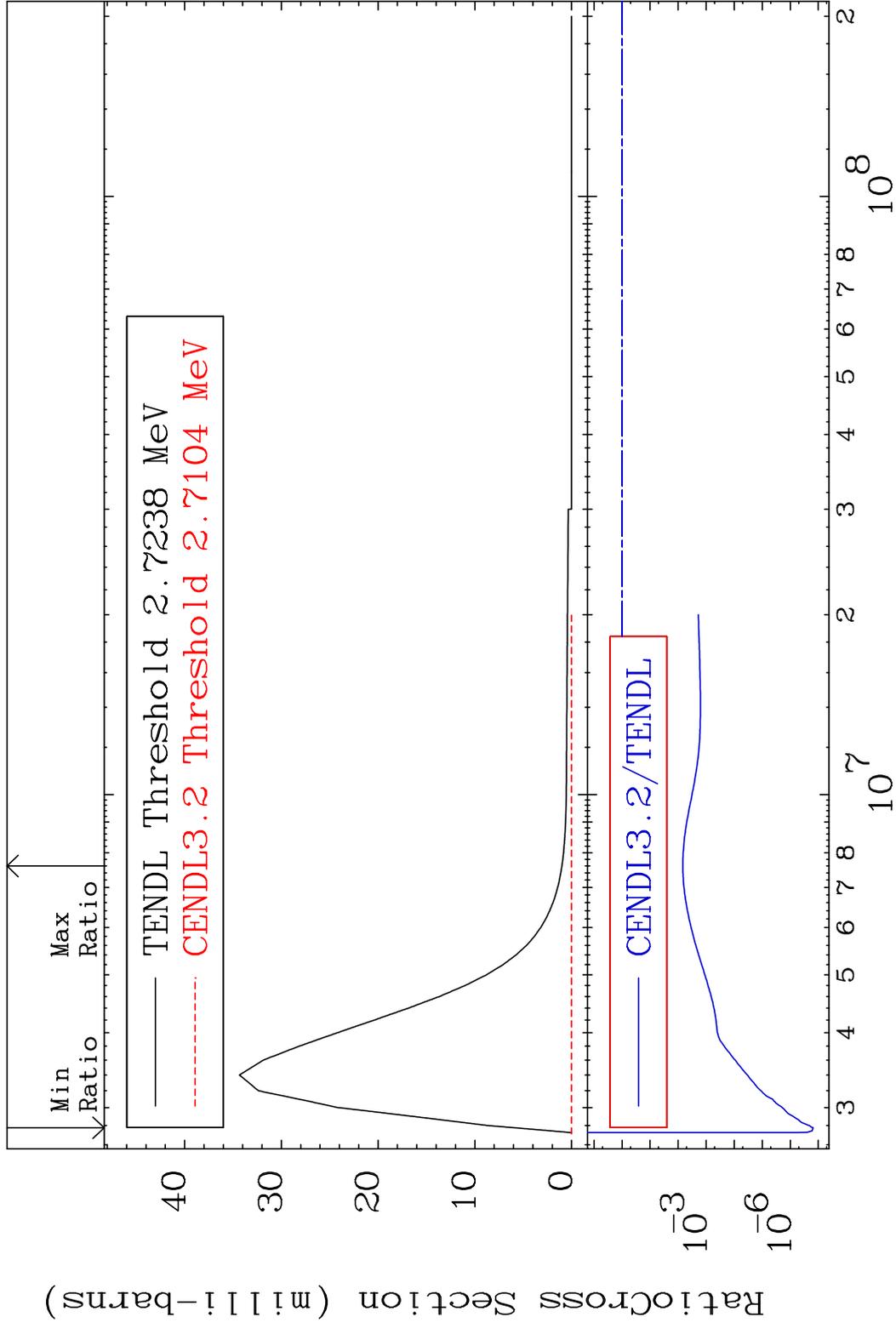
MAT 5061 MT= 66 (n,n') Level 50-Sn-124
 Cross Section 9999. To 9999. %



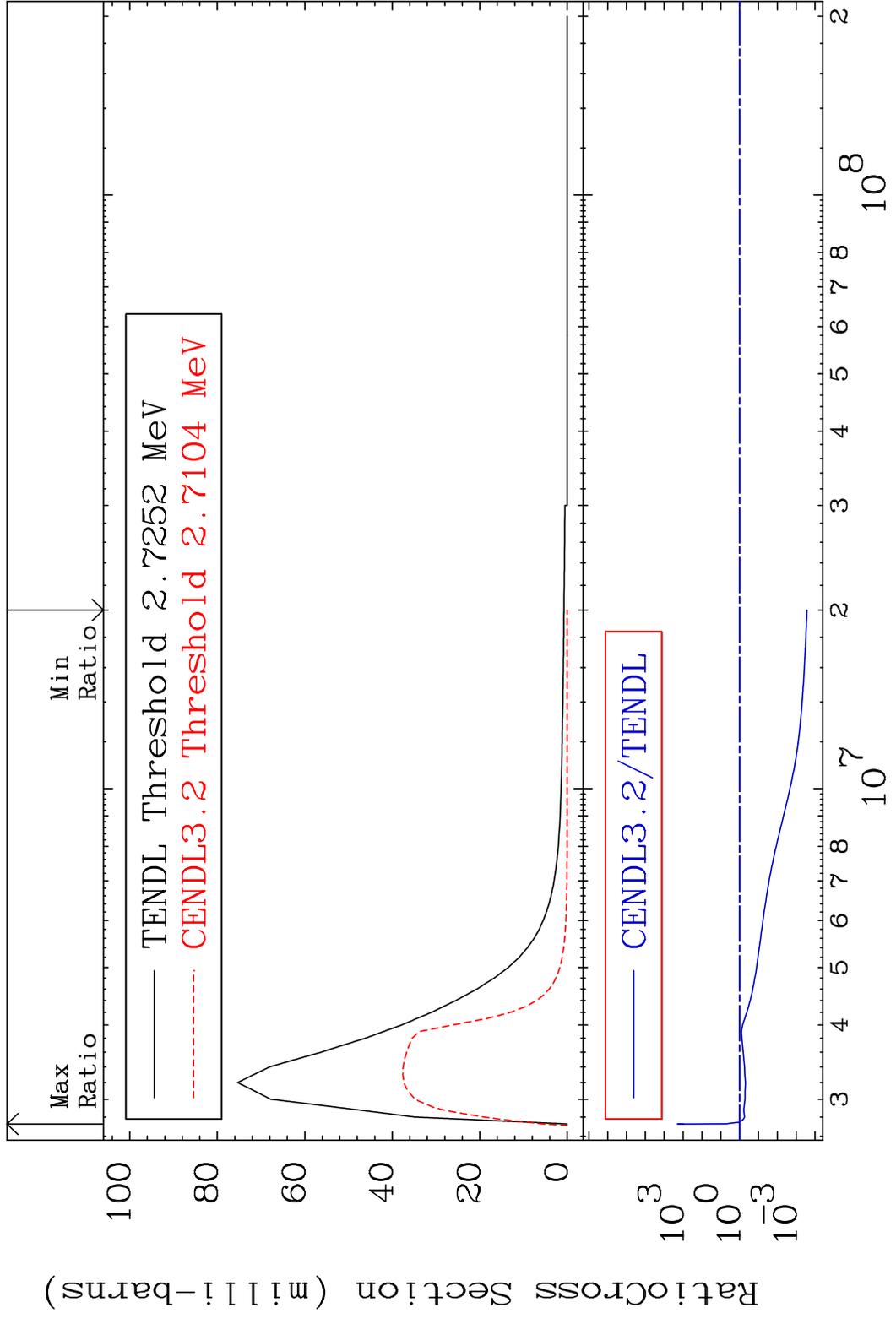
MAT 5061 MT= 67 (n,n') Level 50-Sn-124
 Cross Section -0.733 To 9999. %



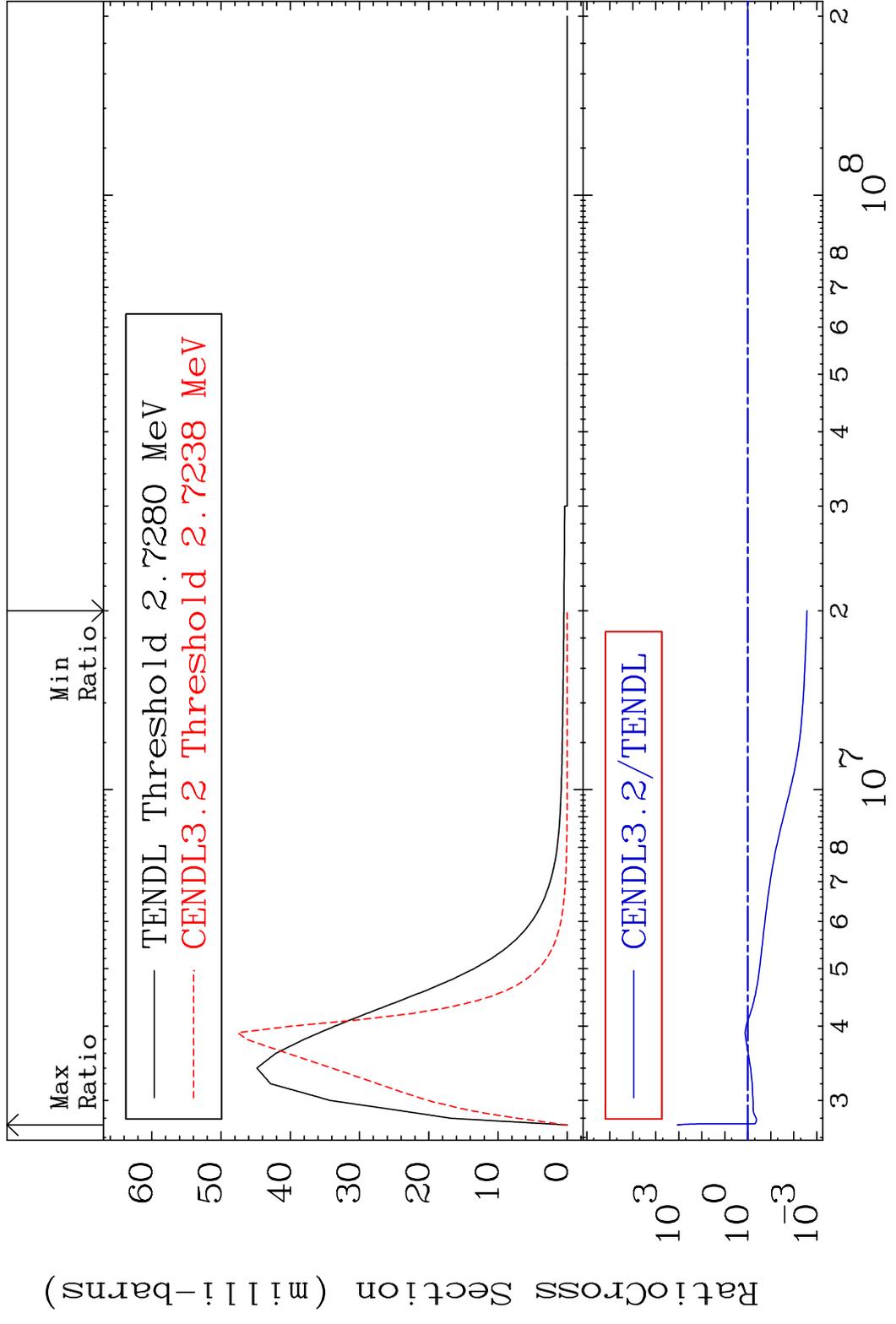
MAT 5061 MT= 68 (n, n') Level 50-Sn-124
 Cross Section -100.0 To -99.32%



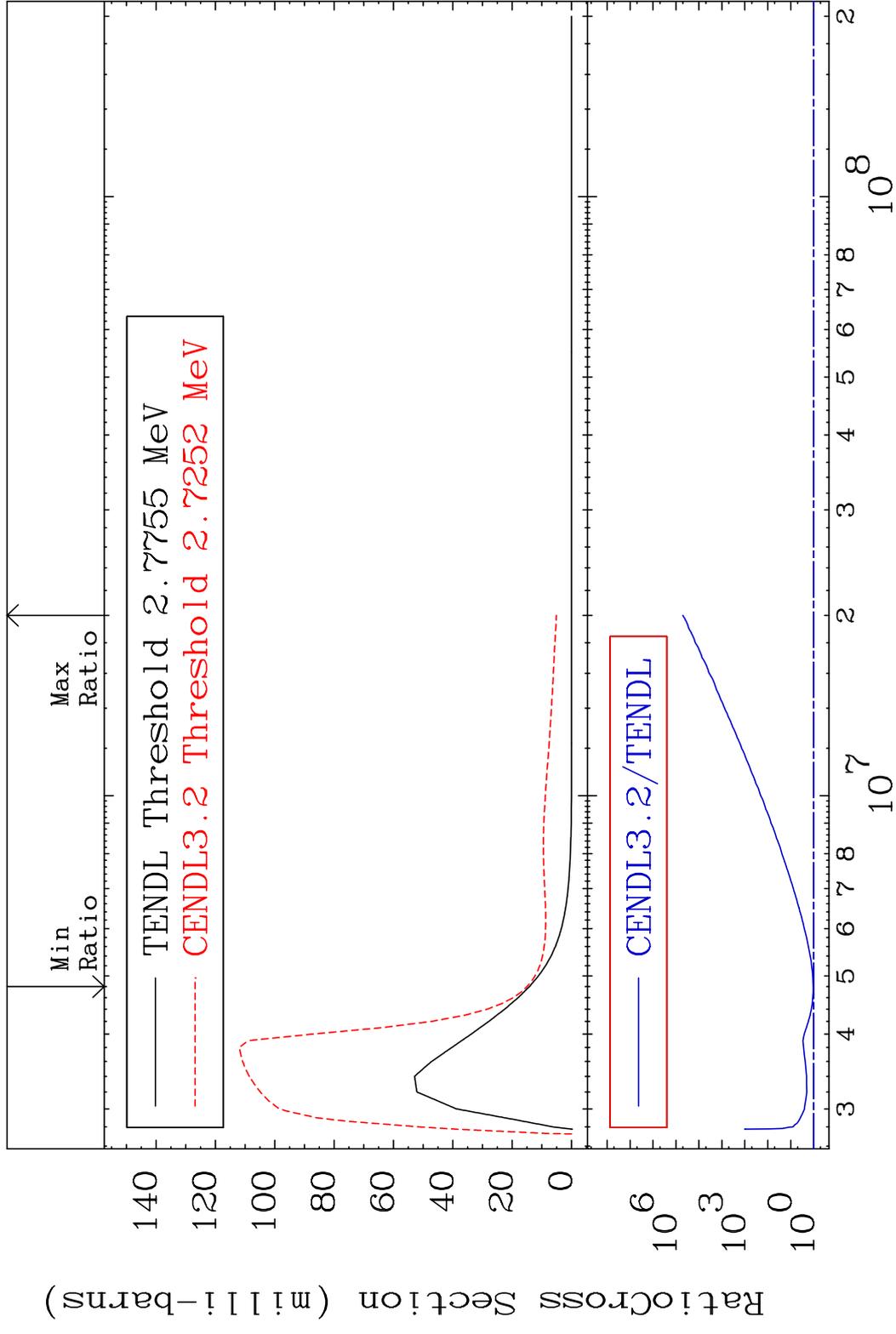
MAT 5061 MT= 69 (n,n') Level 50-Sn-124
 Cross Section -99.97 To 9999. %



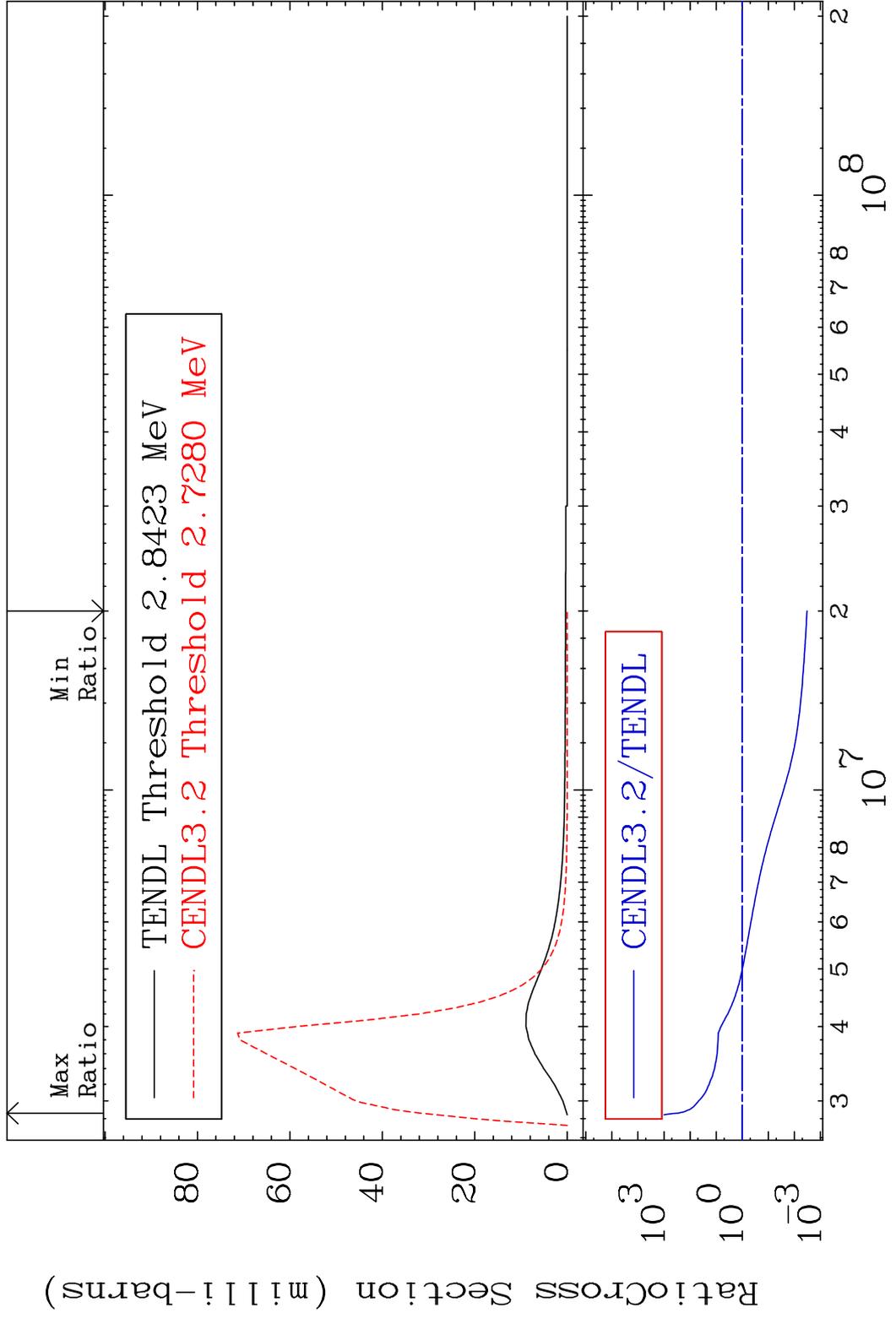
MAT 5061 MT= 70 (n,n') Level 50-Sn-124
 Cross Section -99.73 To 9999. %



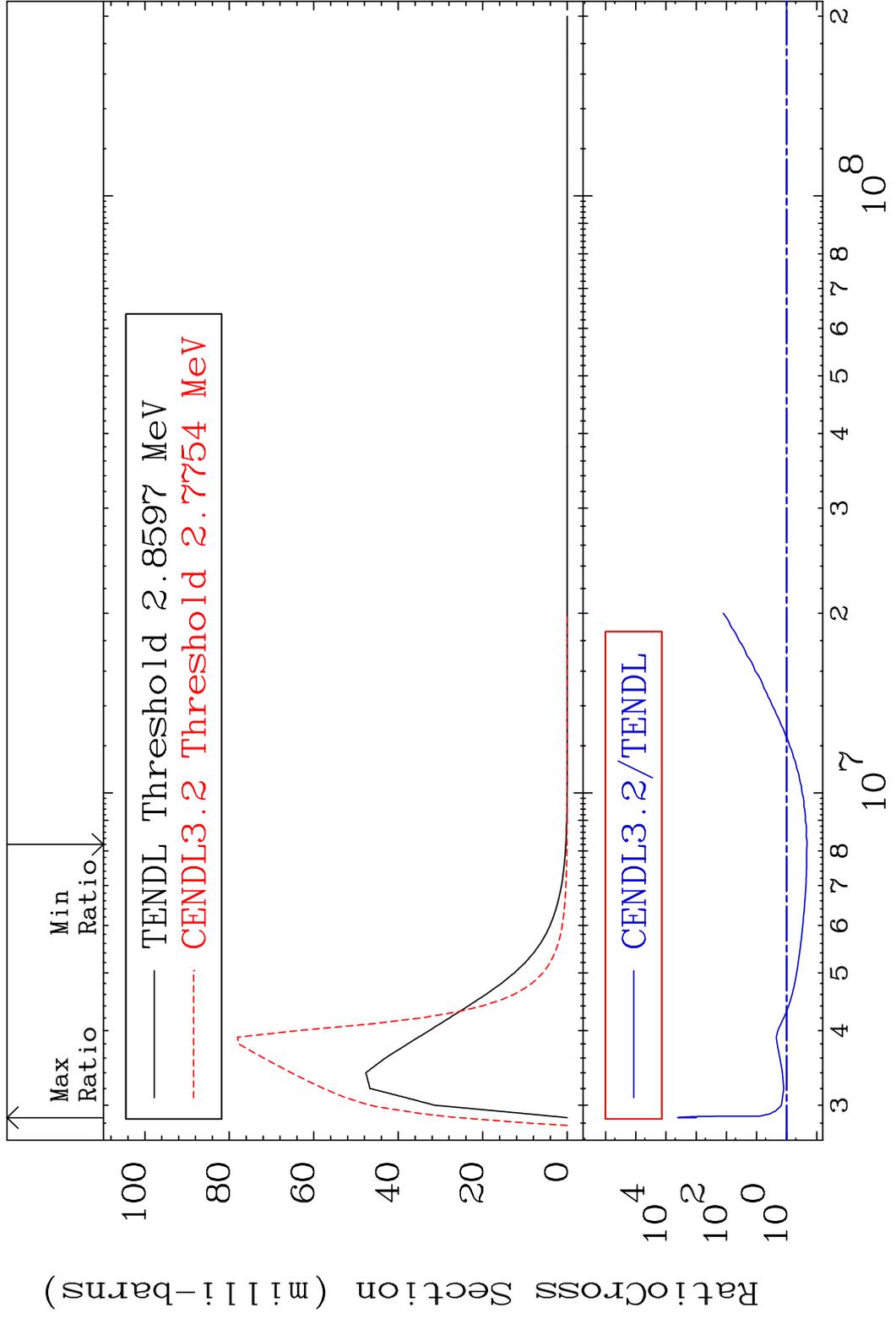
MAT 5061 MT= 71 (n,n') Level 50-Sn-124
 Cross Section 5.521 To 9999. %



MAT 5061 MT= 72 (n,n') Level 50-Sn-124
 Cross Section -99.67 To 9999. %

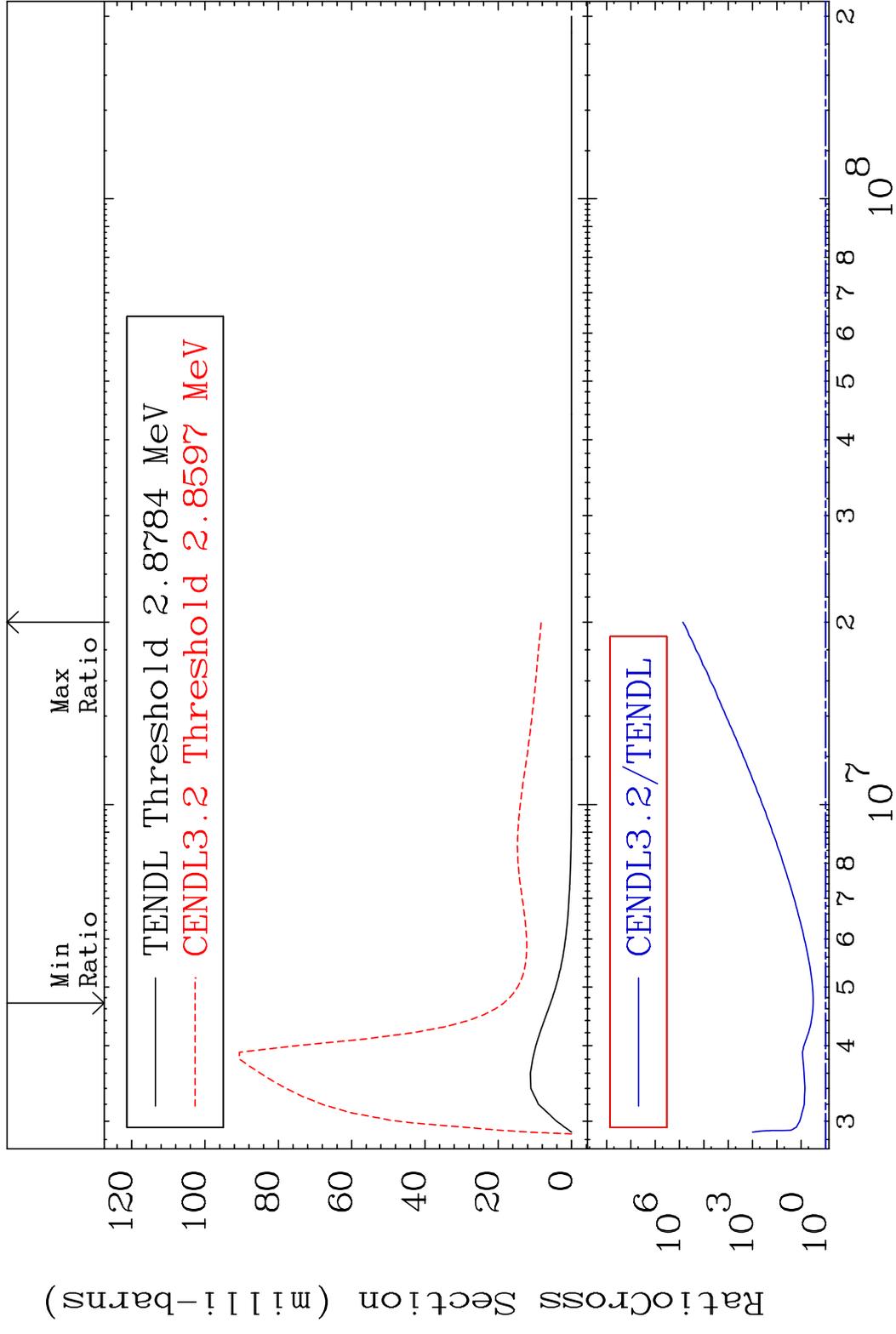


MAT 5061 MT= 73 (n,n') Level 50-Sn-124
 Cross Section -78.98 To 9999. %

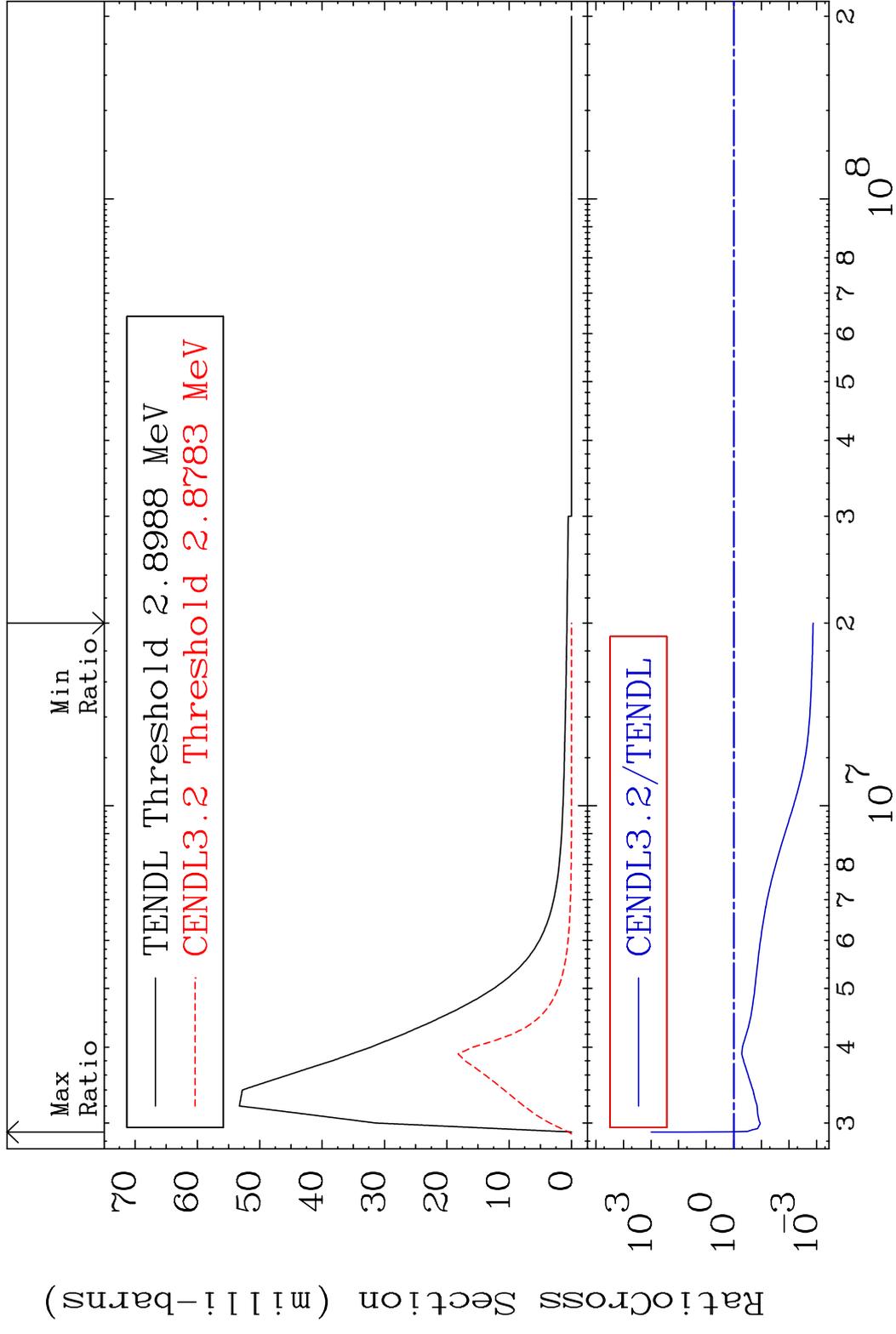


30 Incident Energy (eV) 50-Sn-124

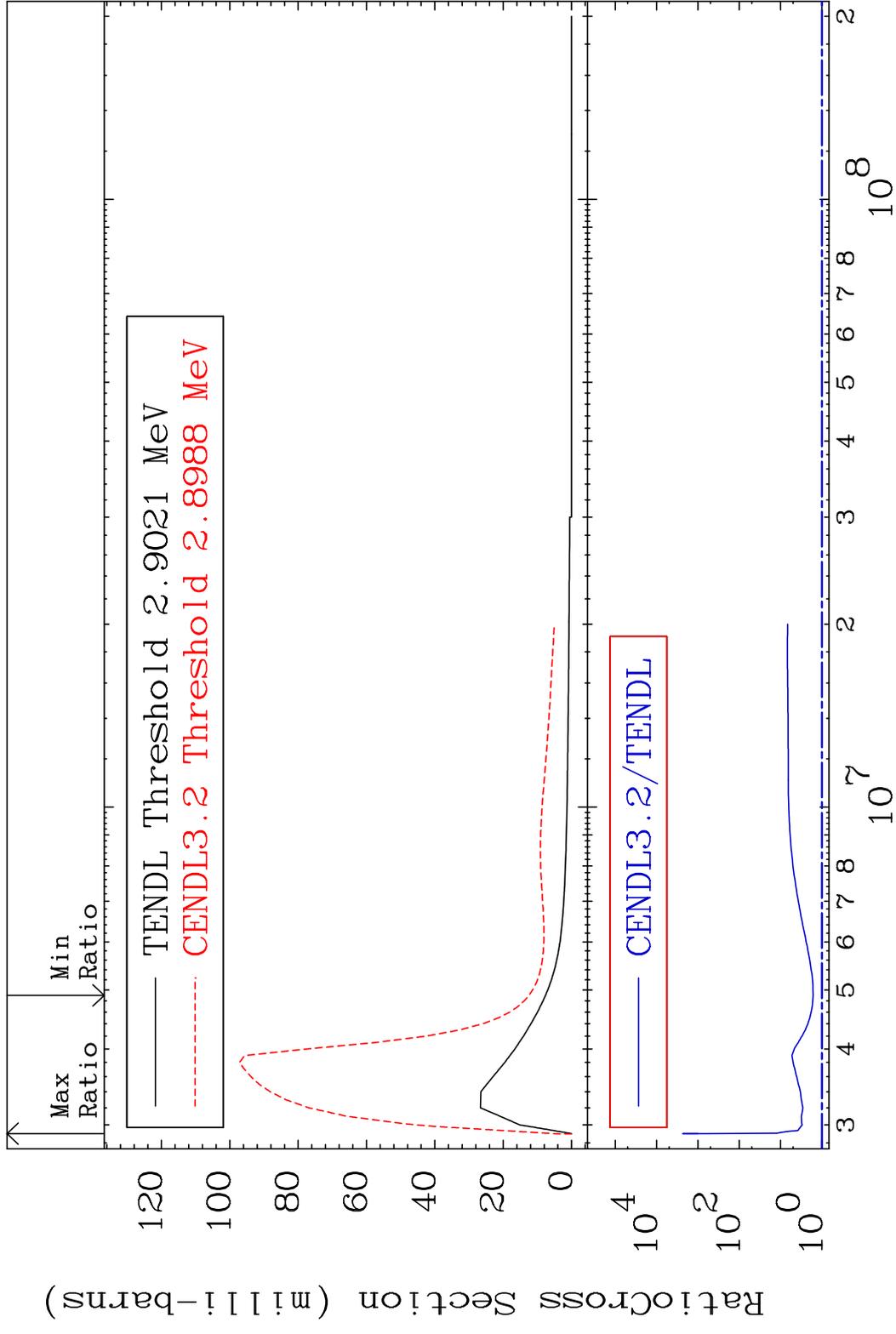
MAT 5061 MT= 74 (n,n') Level 50-Sn-124
 Cross Section 222.6 To 9999. %



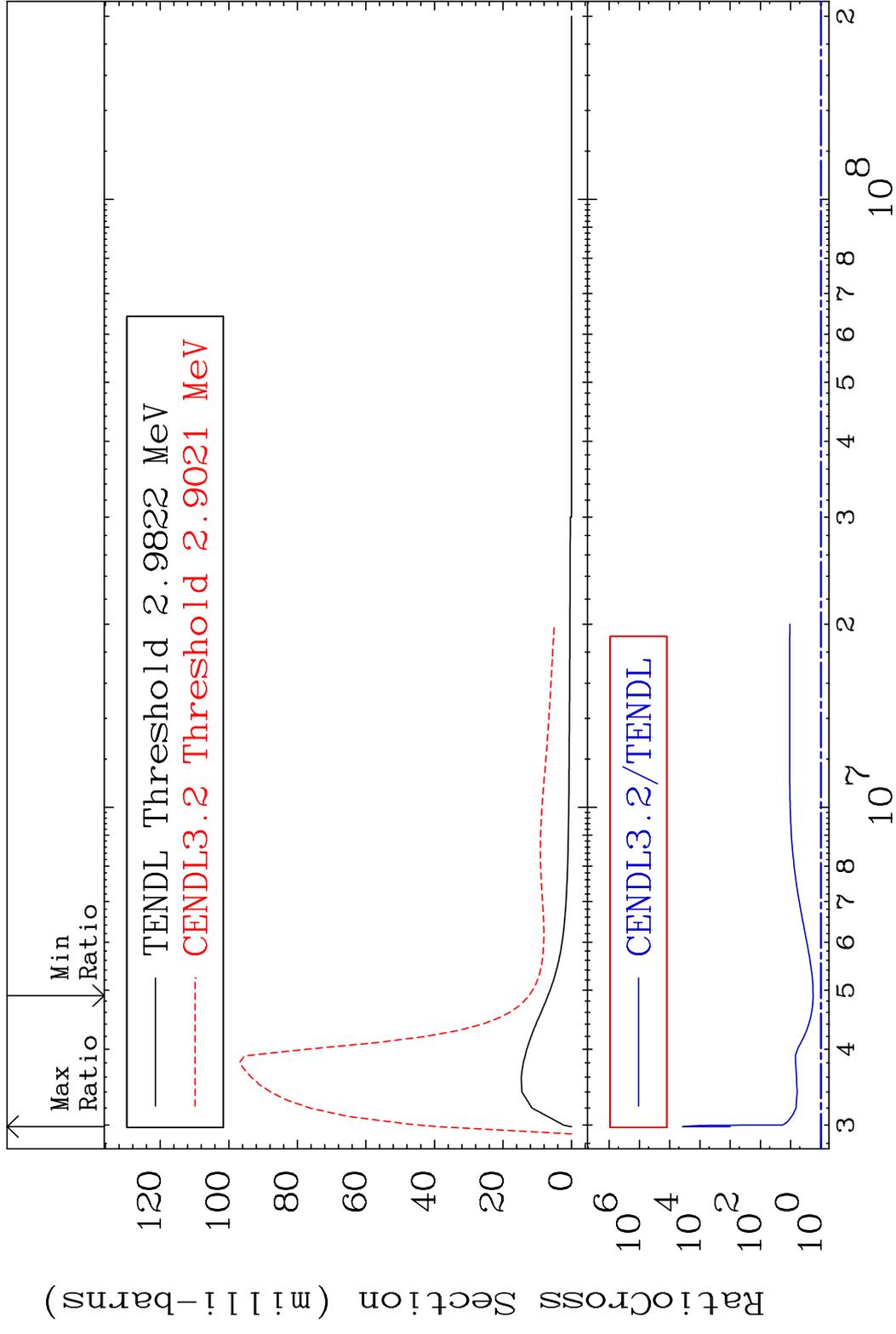
MAT 5061 MT= 75 (n,n') Level 50-Sn-124
 Cross Section -99.87 To 6950. %



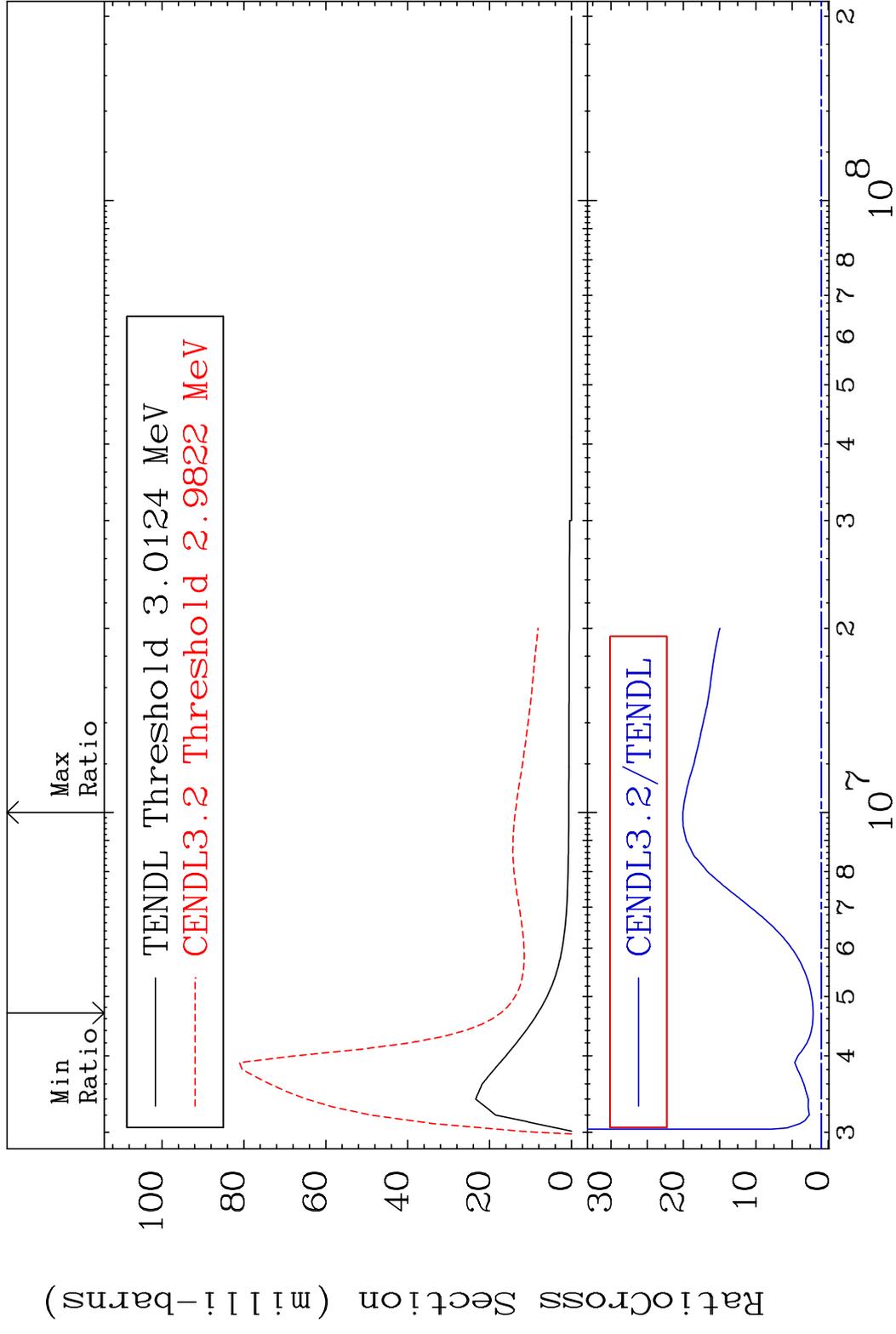
MAT 5061 MT= 76 (n,n') Level 50-Sn-124
 Cross Section 62.93 To 9999. %



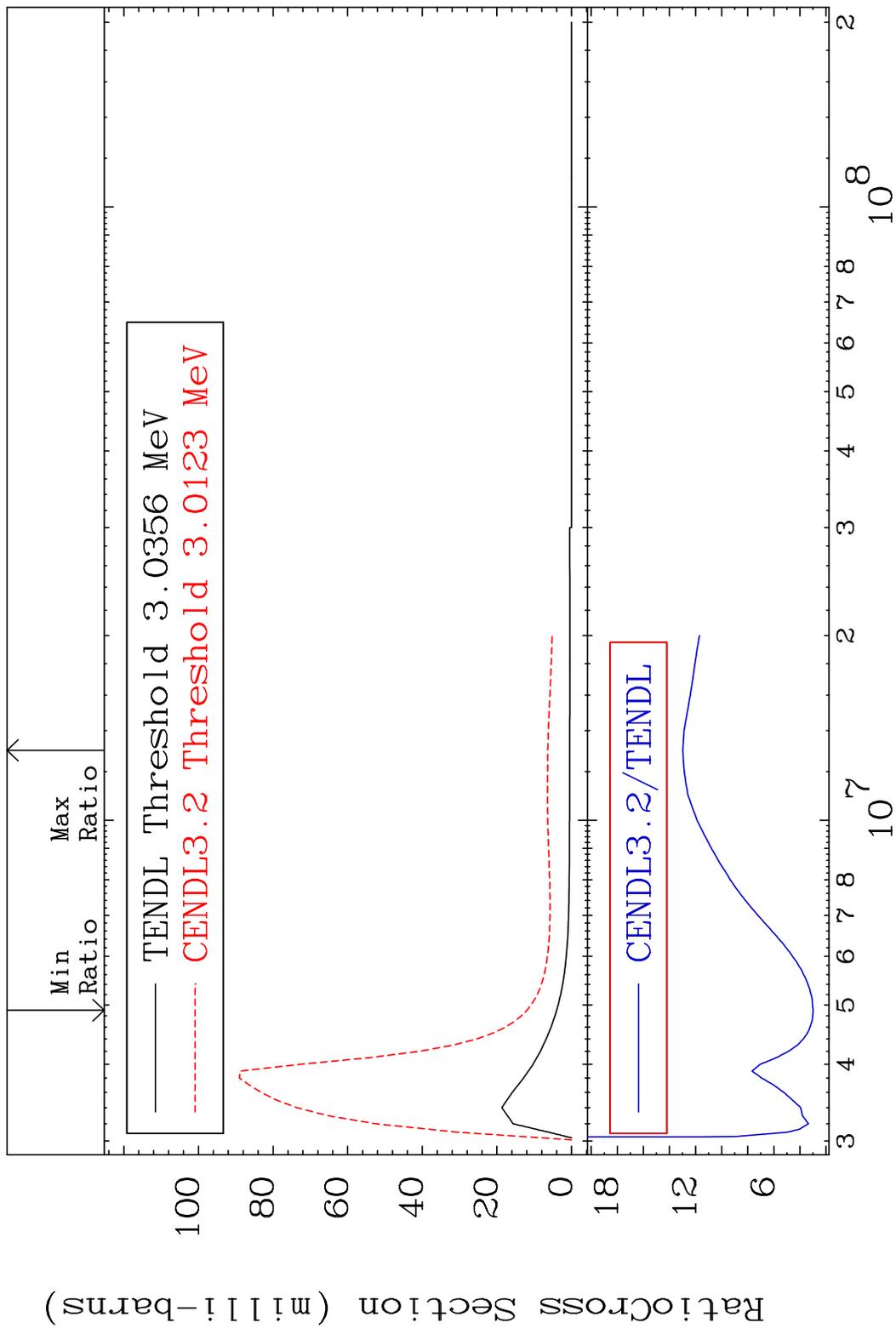
MAT 5061 MT= 77 (n,n') Level 50-Sn-124
 Cross Section 80.67 To 9999. %



MAT 5061 MT= 78 (n,n') Level 50-Sn-124
 Cross Section 109.7 To 1908. %



MAT 5061 MT= 79 (n,n') Level 50-Sn-124
 Cross Section 198.7 To 1198. %

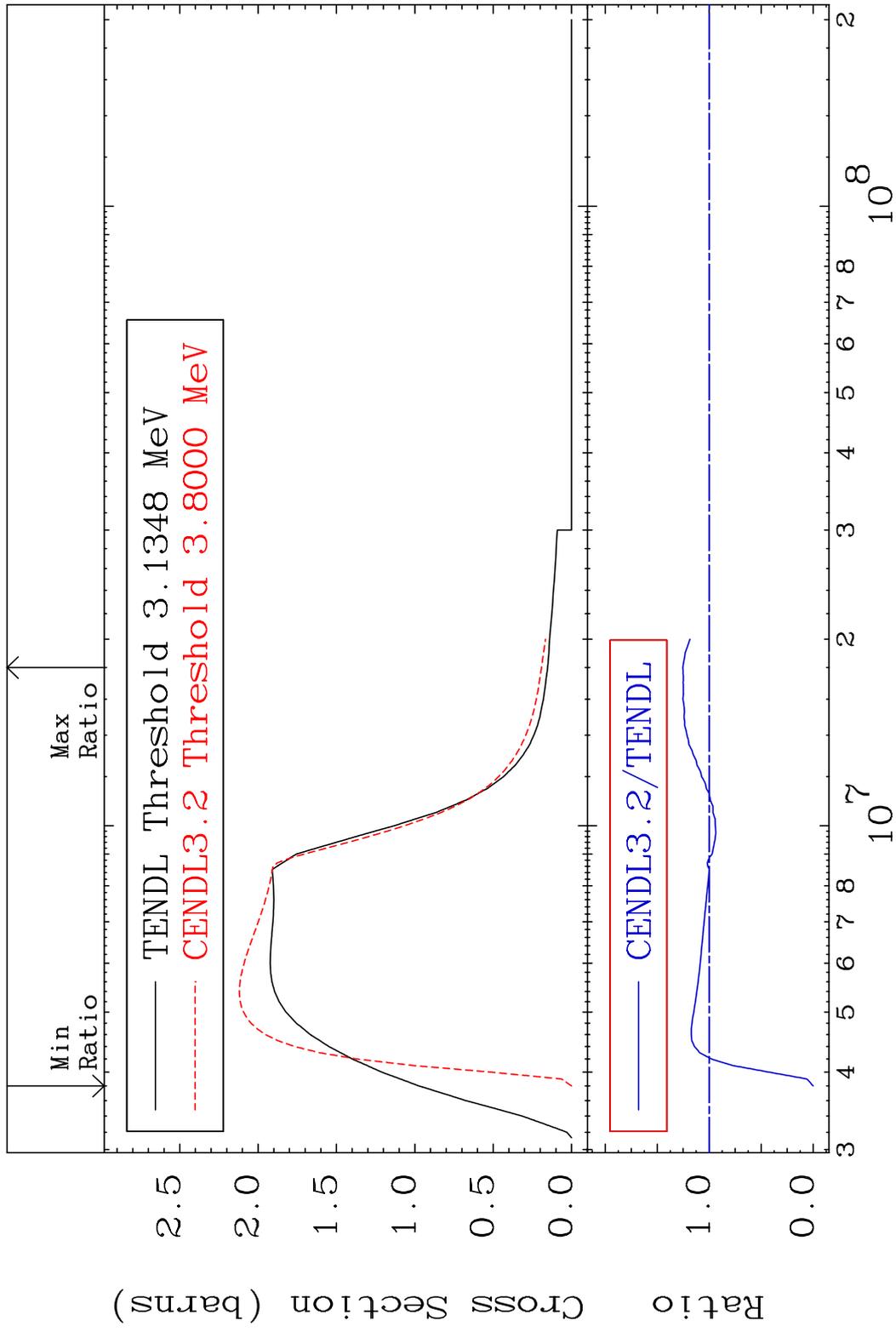


MAT 5061

(n,n') Continuum

50-Sn-124

Cross Section -100.0 To 25.36 %



37

Incident Energy (eV)

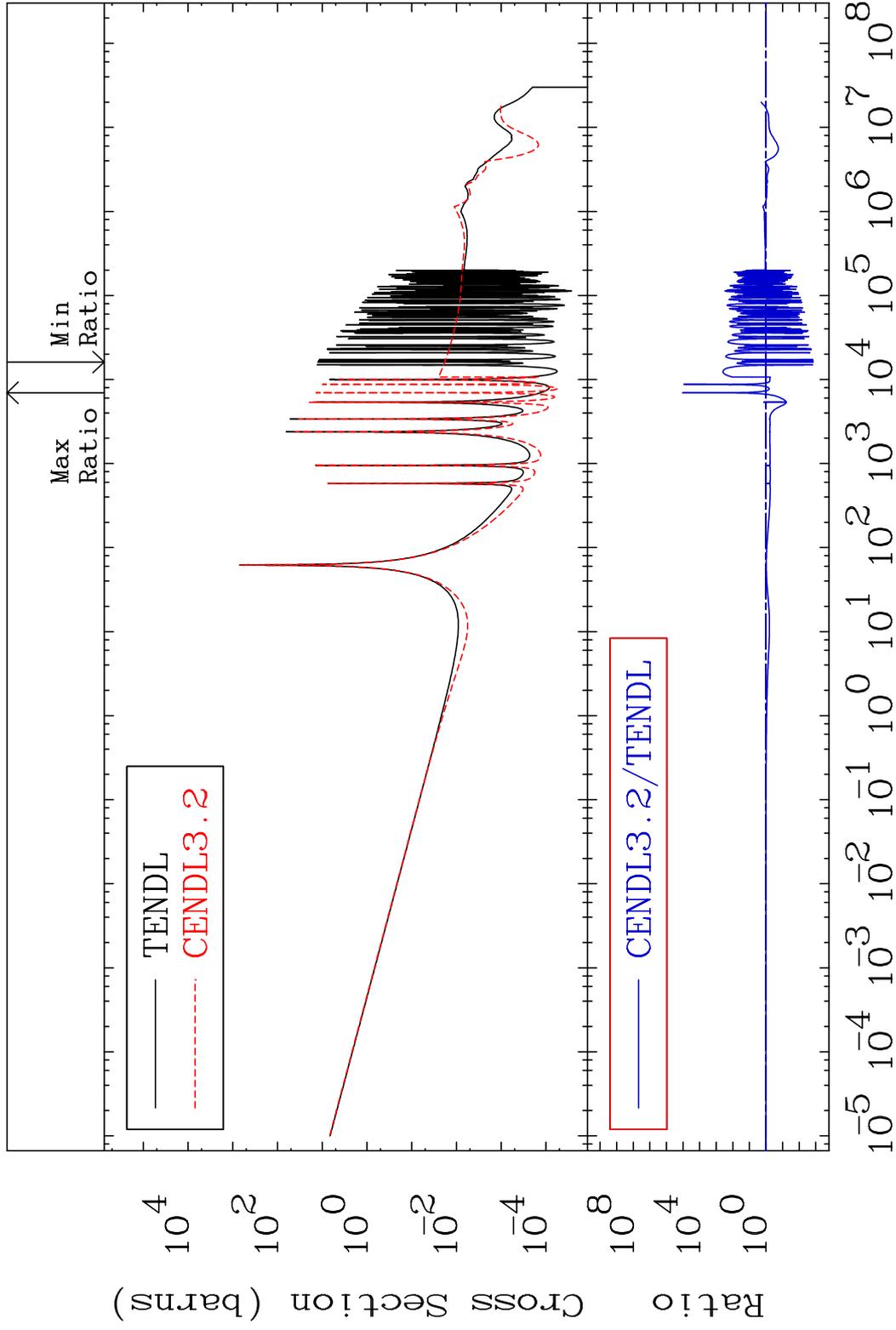
50-Sn-124

MAT 5061

(n, γ)

50-Sn-124

Cross Section -99.86 To 9999. %



38

Incident Energy (eV)

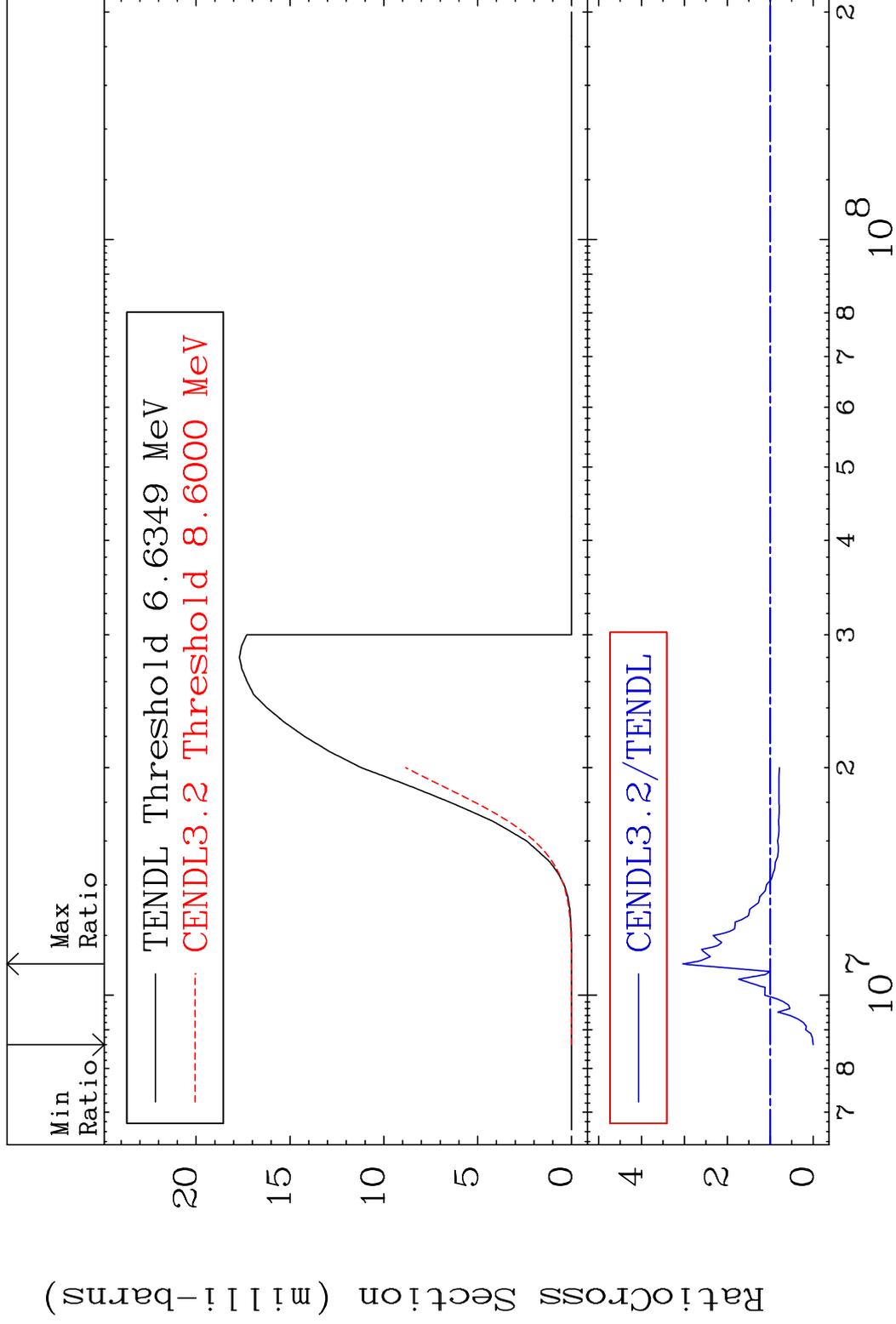
50-Sn-124

MAT 5061

(n,p)

50-Sn-124

Cross Section -100.0 To 203.9 %



39

Incident Energy (eV)

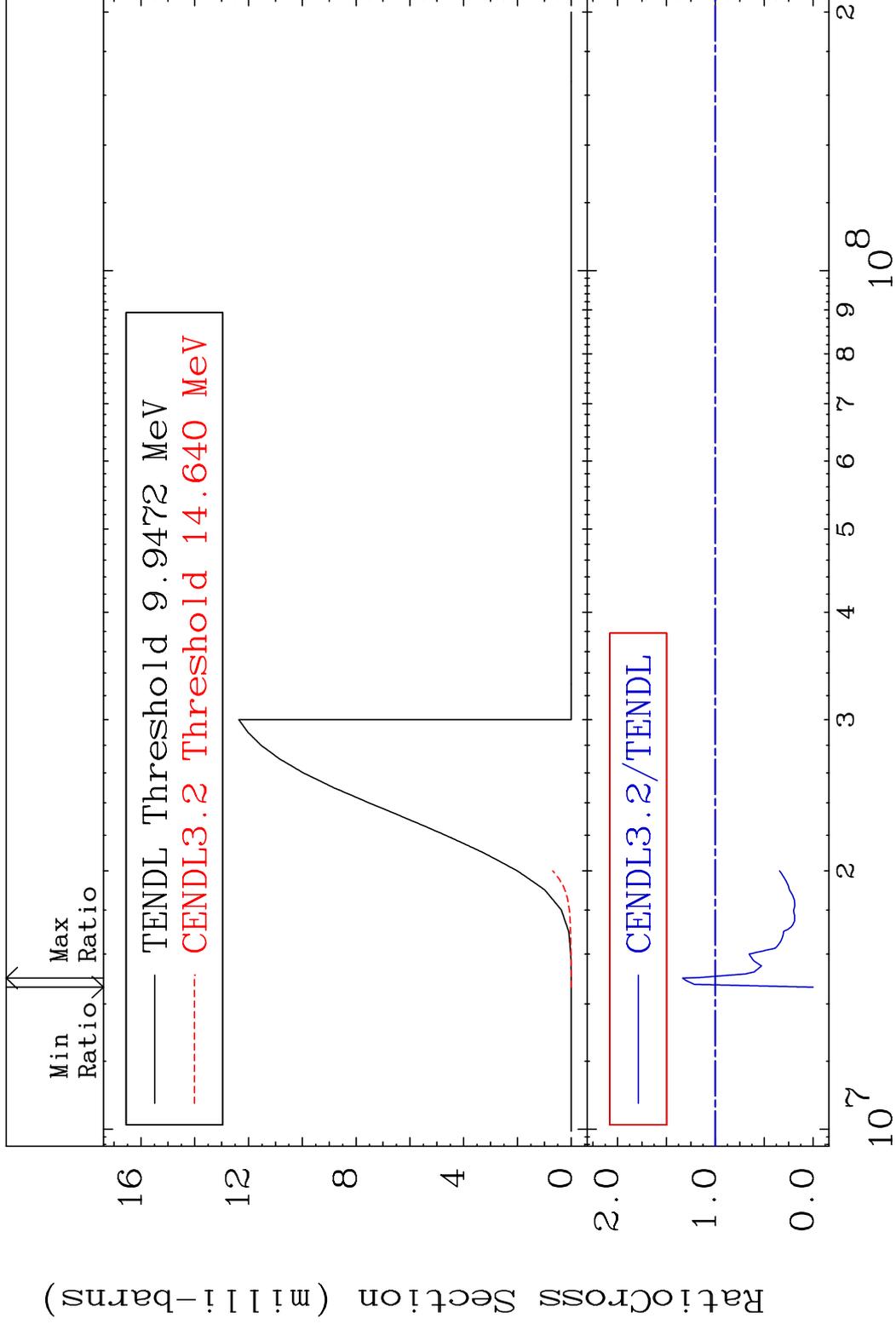
50-Sn-124

MAT 5061

(n,d)

50-Sn-124

Cross Section -100.0 To 33.35 %



40

Incident Energy (eV)

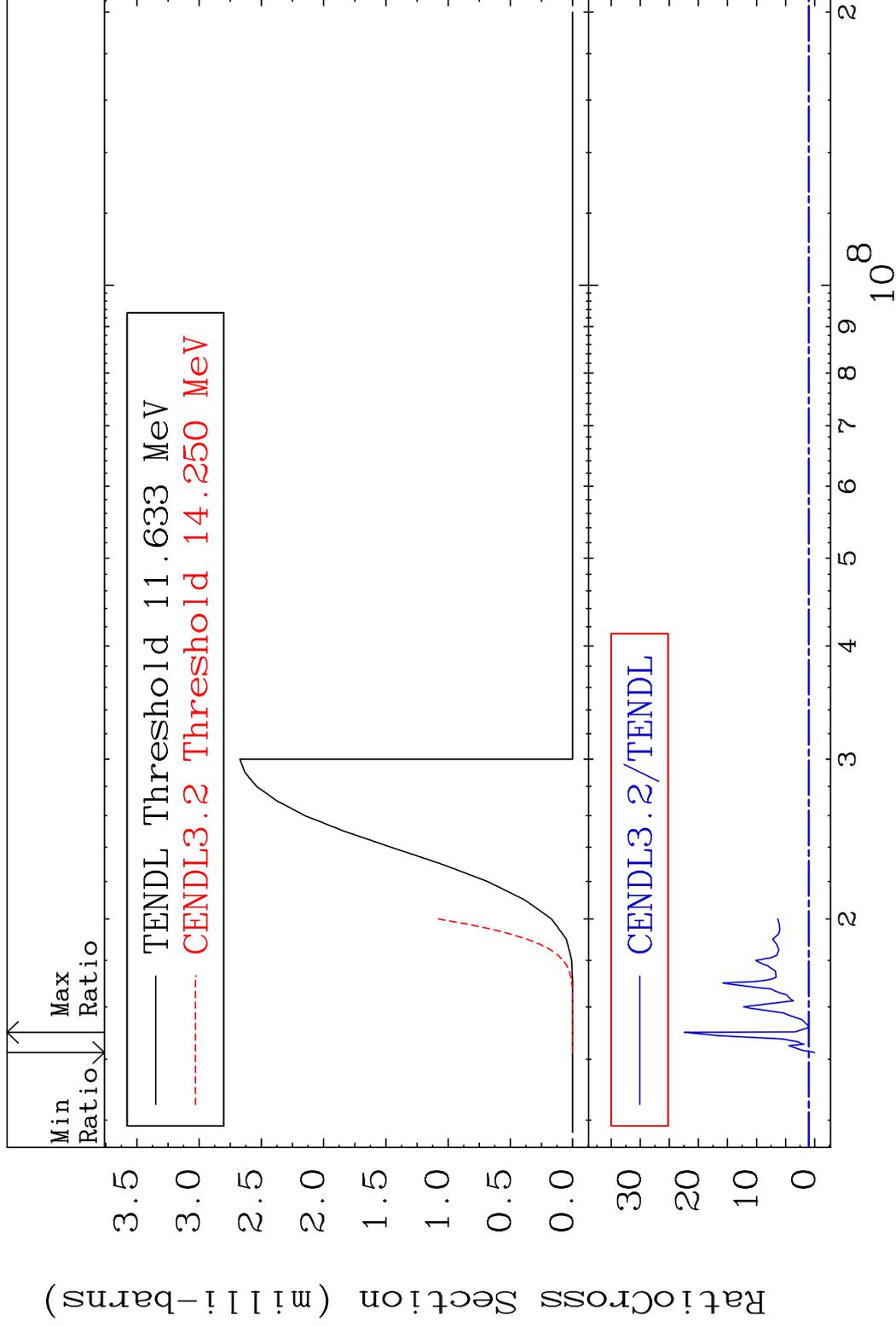
50-Sn-124

MAT 5061

(n, t)

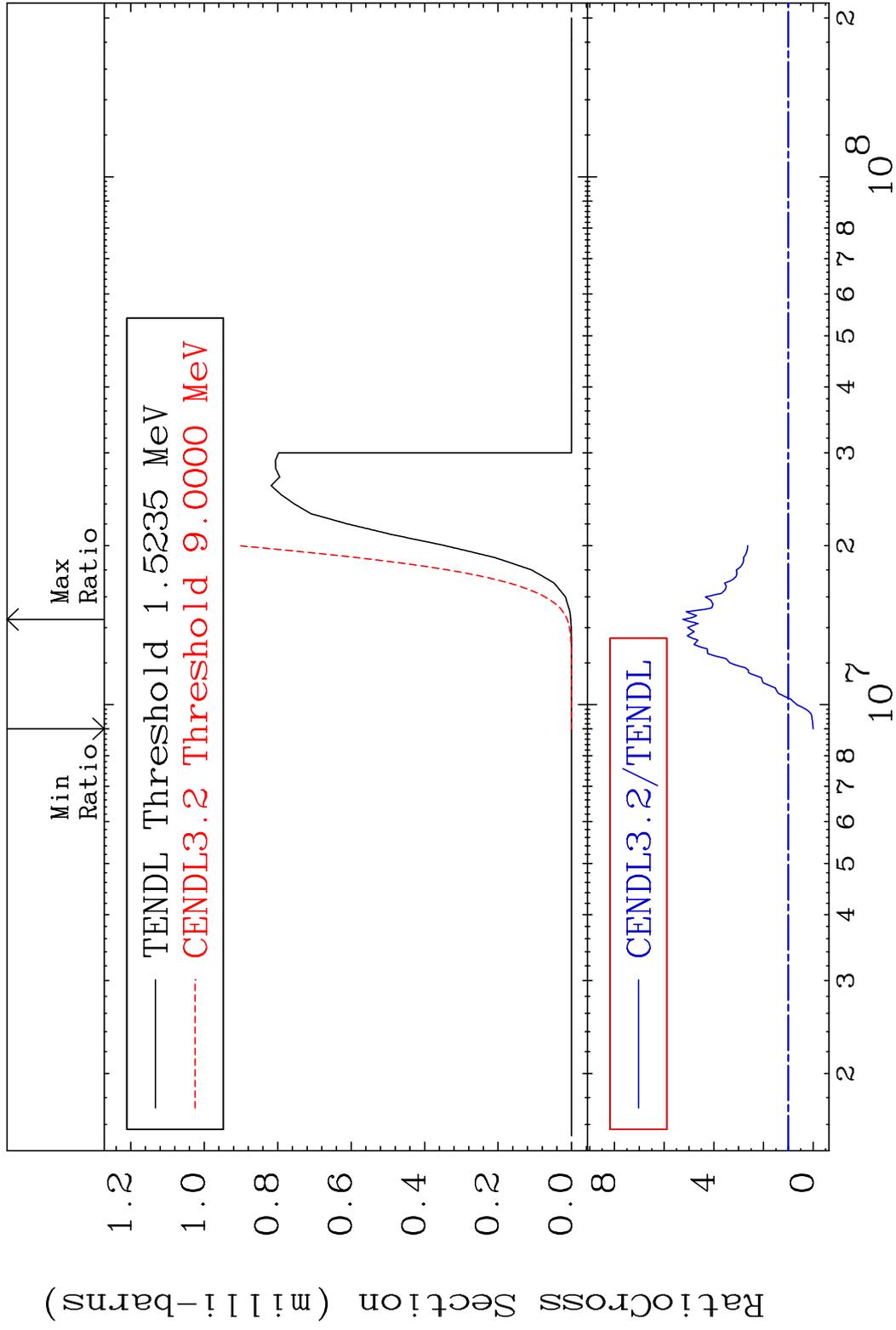
50-Sn-124

Cross Section -100.0 To 2146. %



MAT 5061

(n, α) Cross Section -100.0 To 424.8 %
50-Sn-124

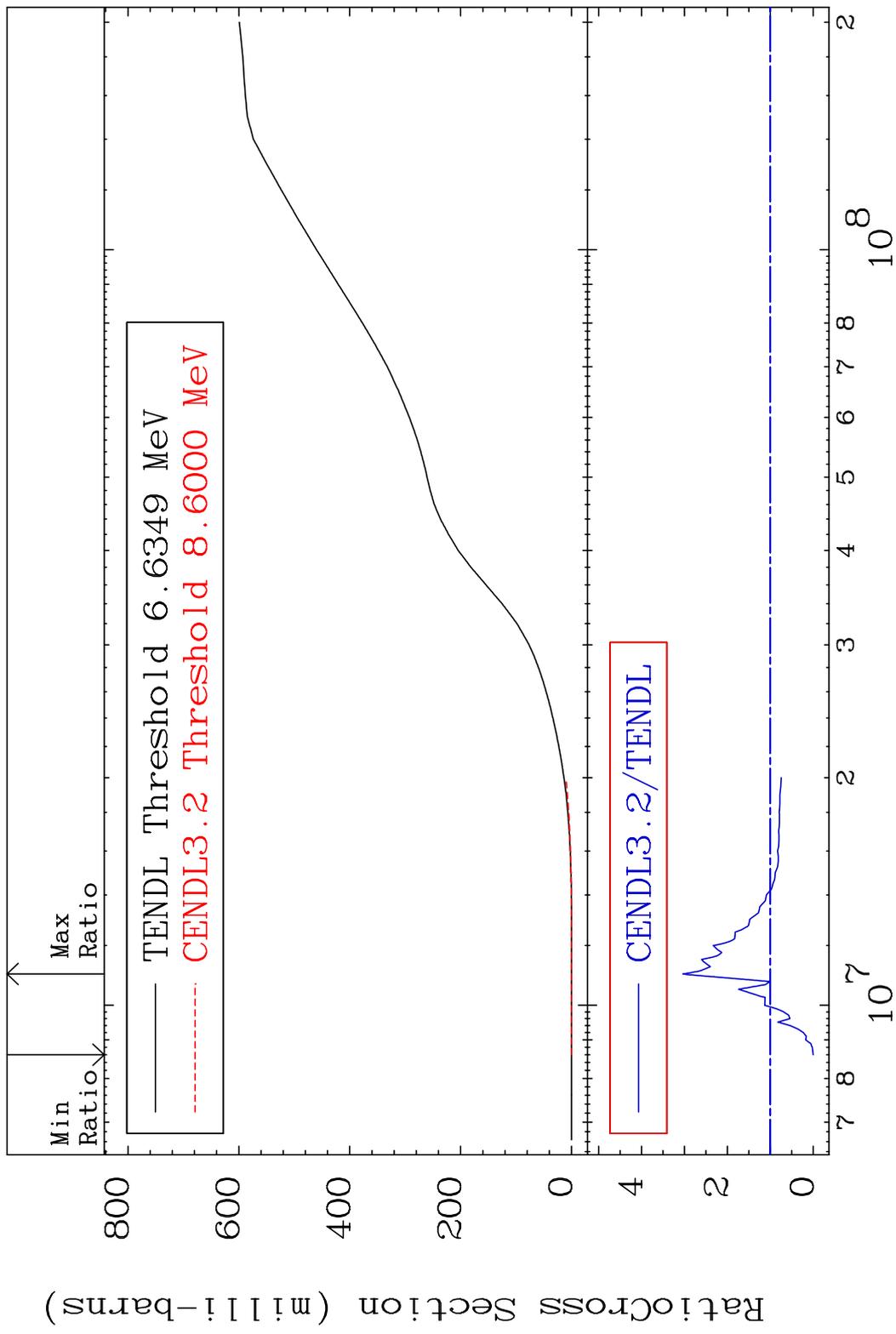


42

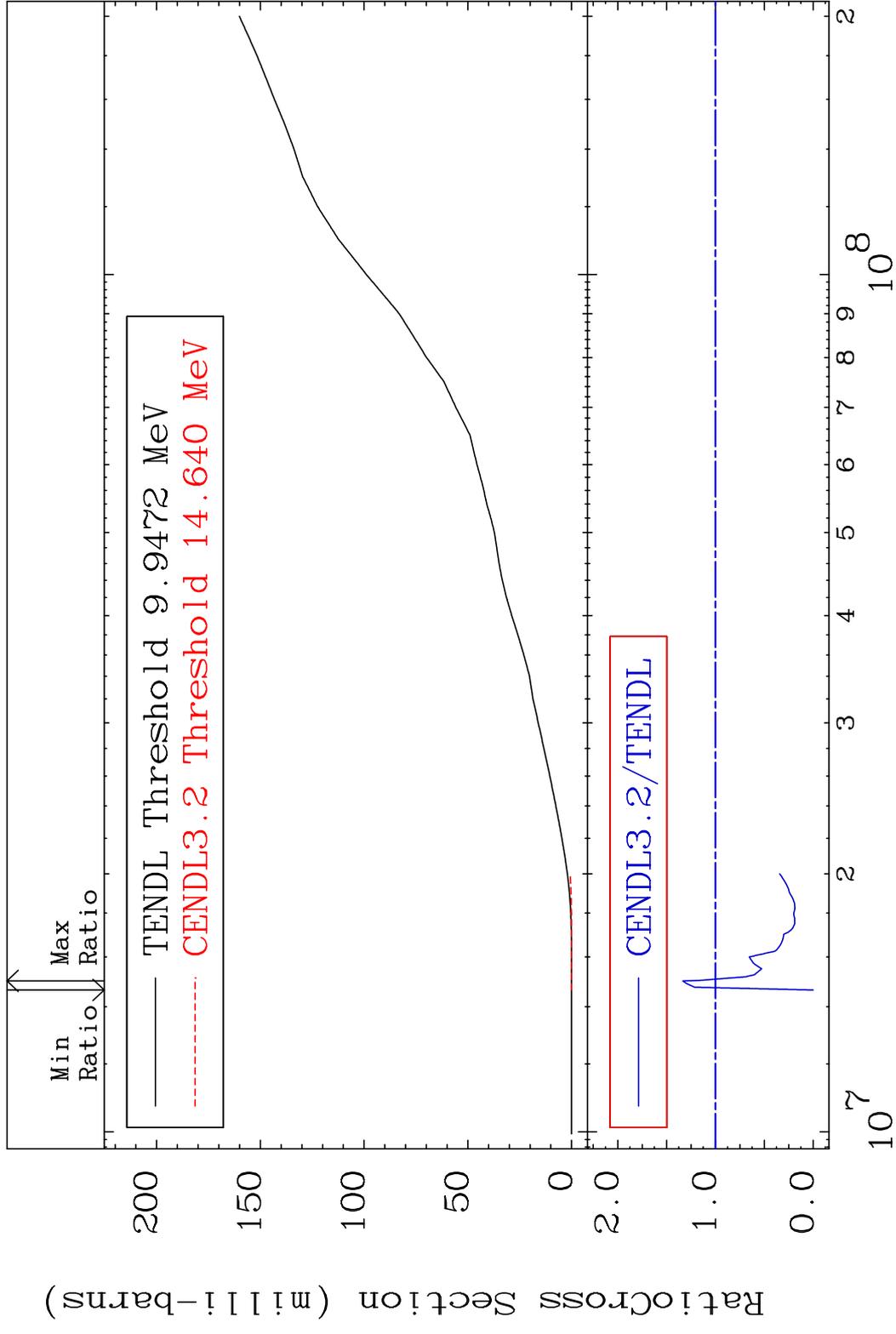
Incident Energy (eV)

50-Sn-124

MAT 5061 Hydrogen Production 50-Sn-124
 Cross Section -100.0 To 203.9 %



MAT 5061 Deuterium Production 50-Sn-124
 Cross Section -100.0 To 33.35 %



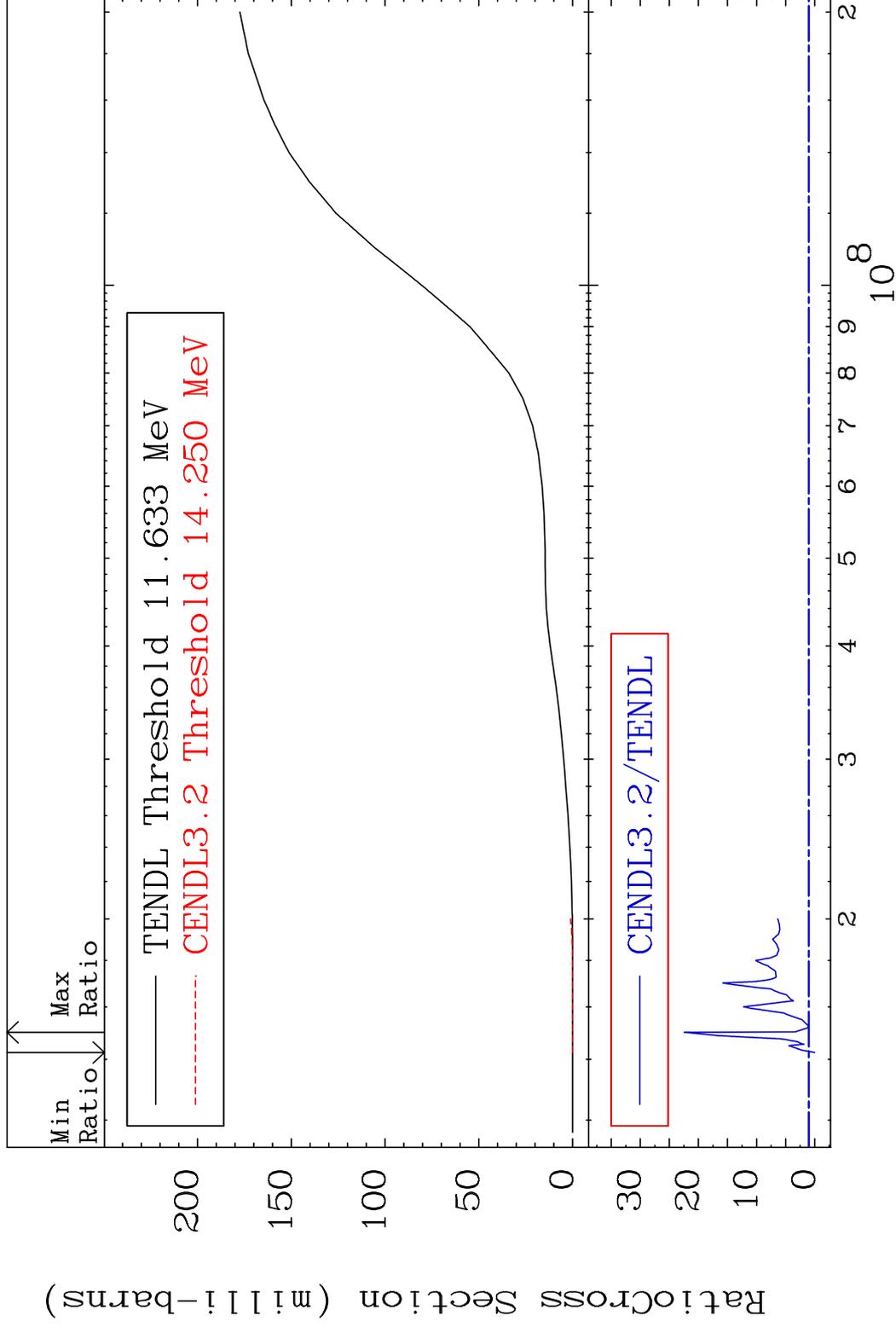
44 50-Sn-124

MAT 5061

Tritium Production

50-Sn-124

Cross Section -100.0 To 2146. %



45

Incident Energy (eV)

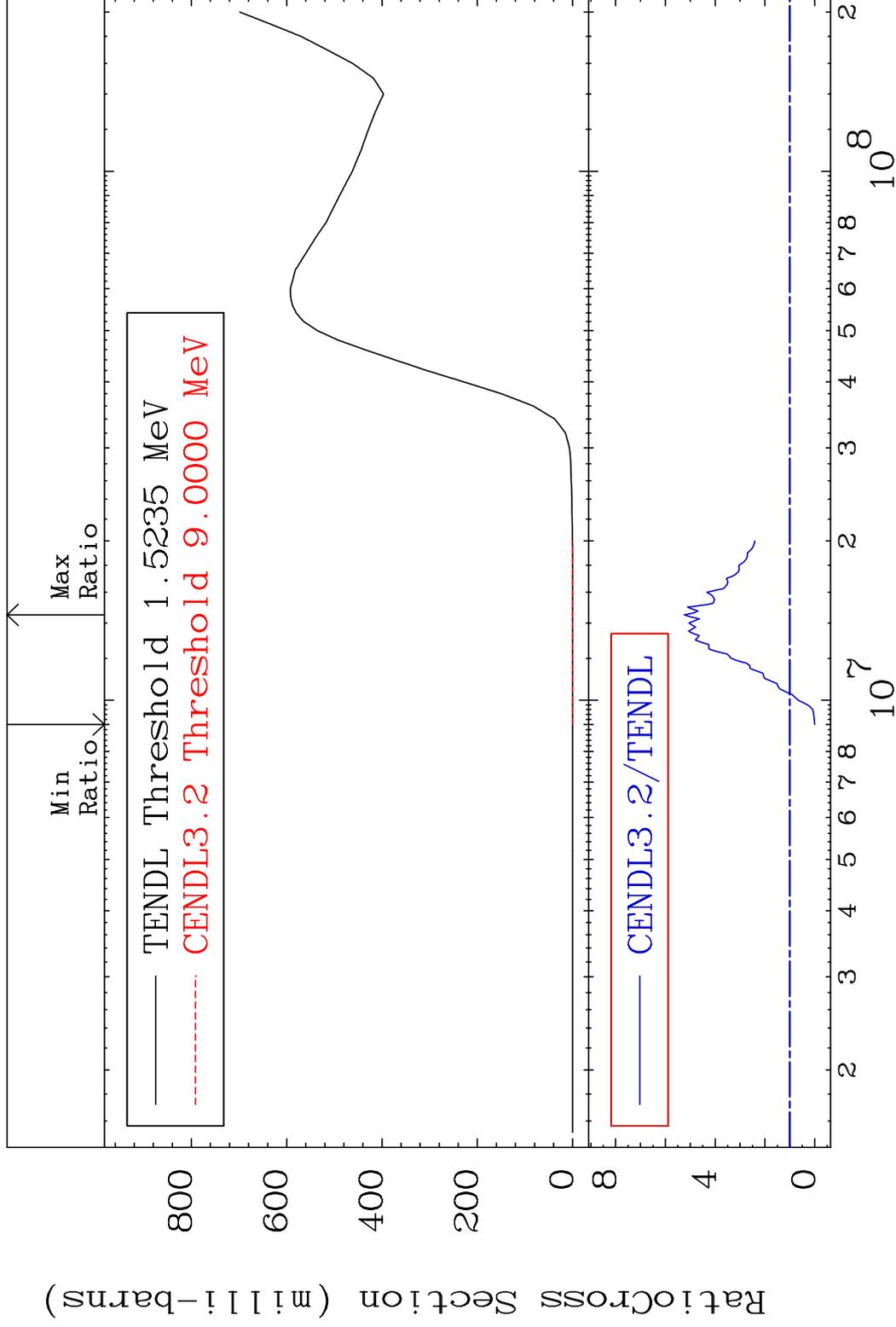
50-Sn-124

MAT 5061

He-4 Production

50-Sn-124

Cross Section -100.0 To 424.7 %

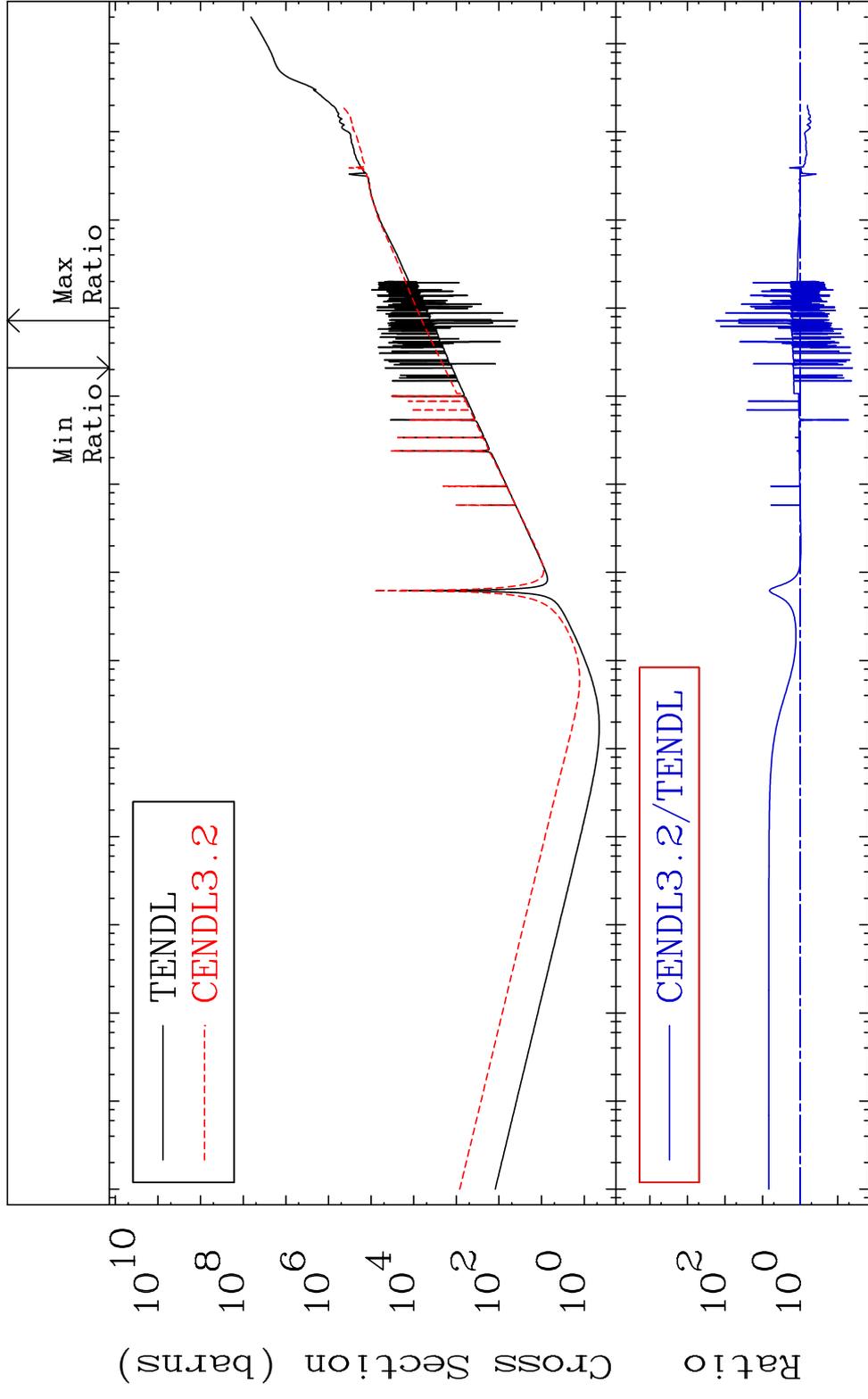


46

Incident Energy (eV)

50-Sn-124

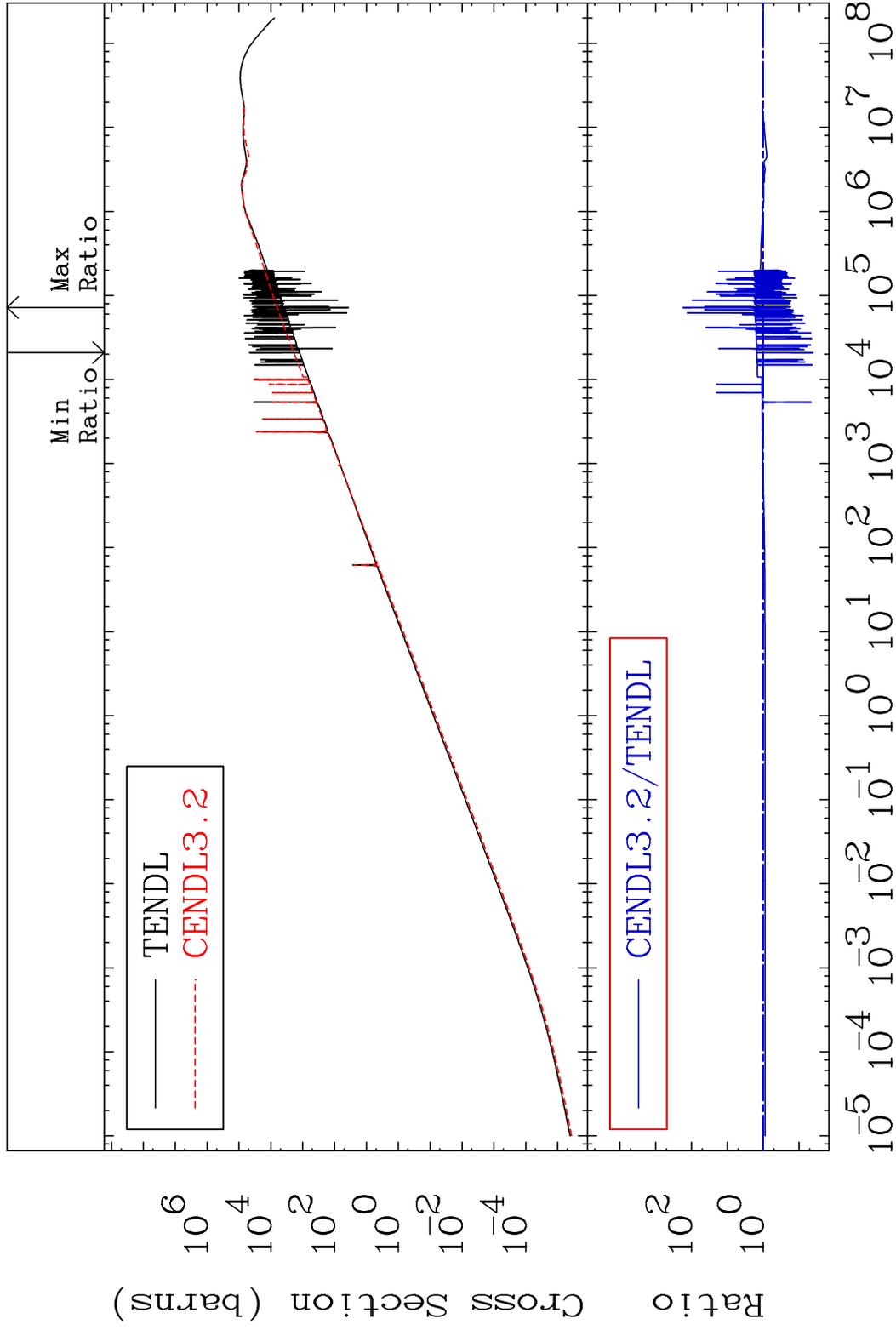
MAT 5061 Kerma total (eV-barns) 50-Sn-124
 Cross Section -95.95 To 9999. %



MAT 5061

Kerma elastic
Cross Section

50-Sn-124
-95.95 To 9999. %

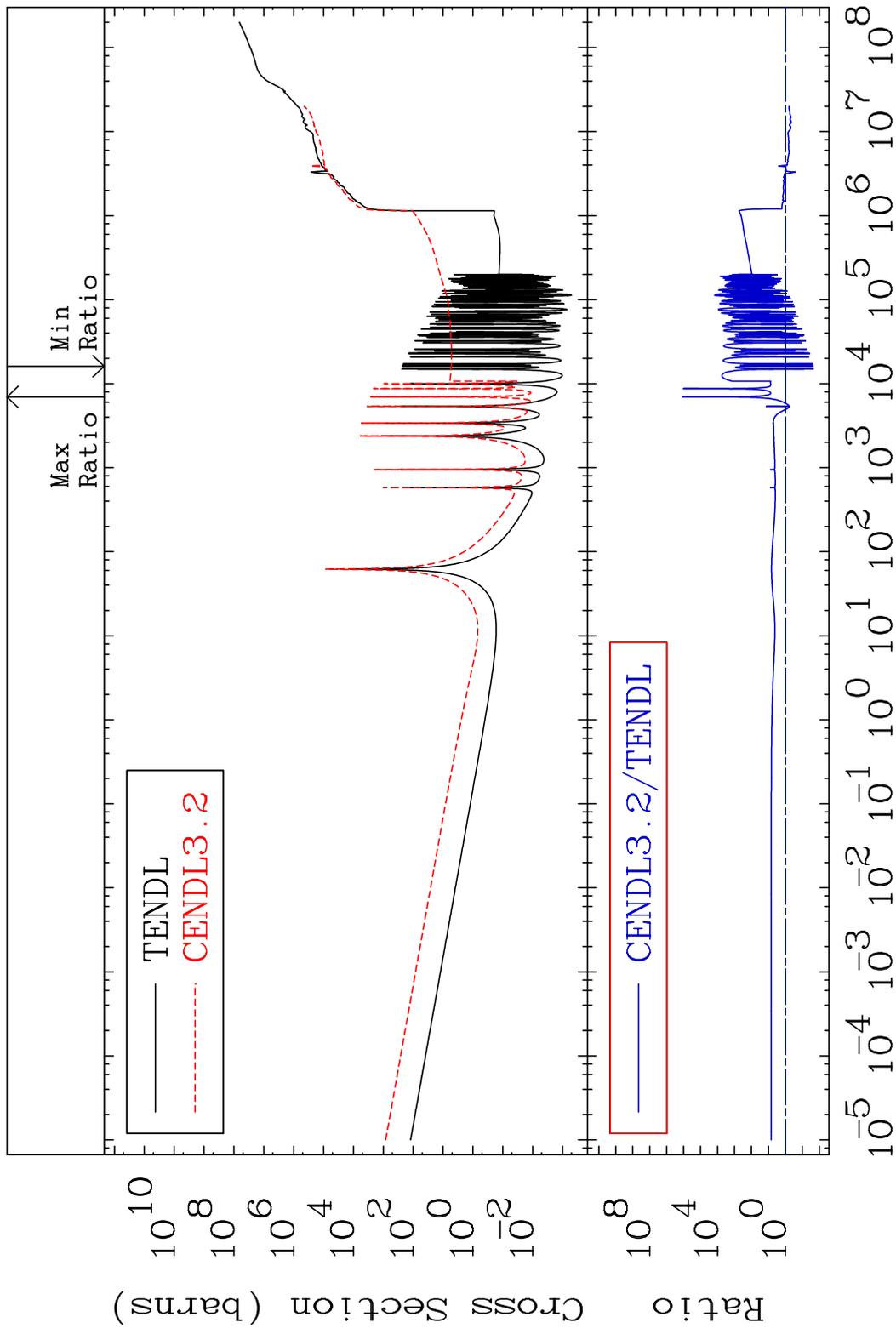


48

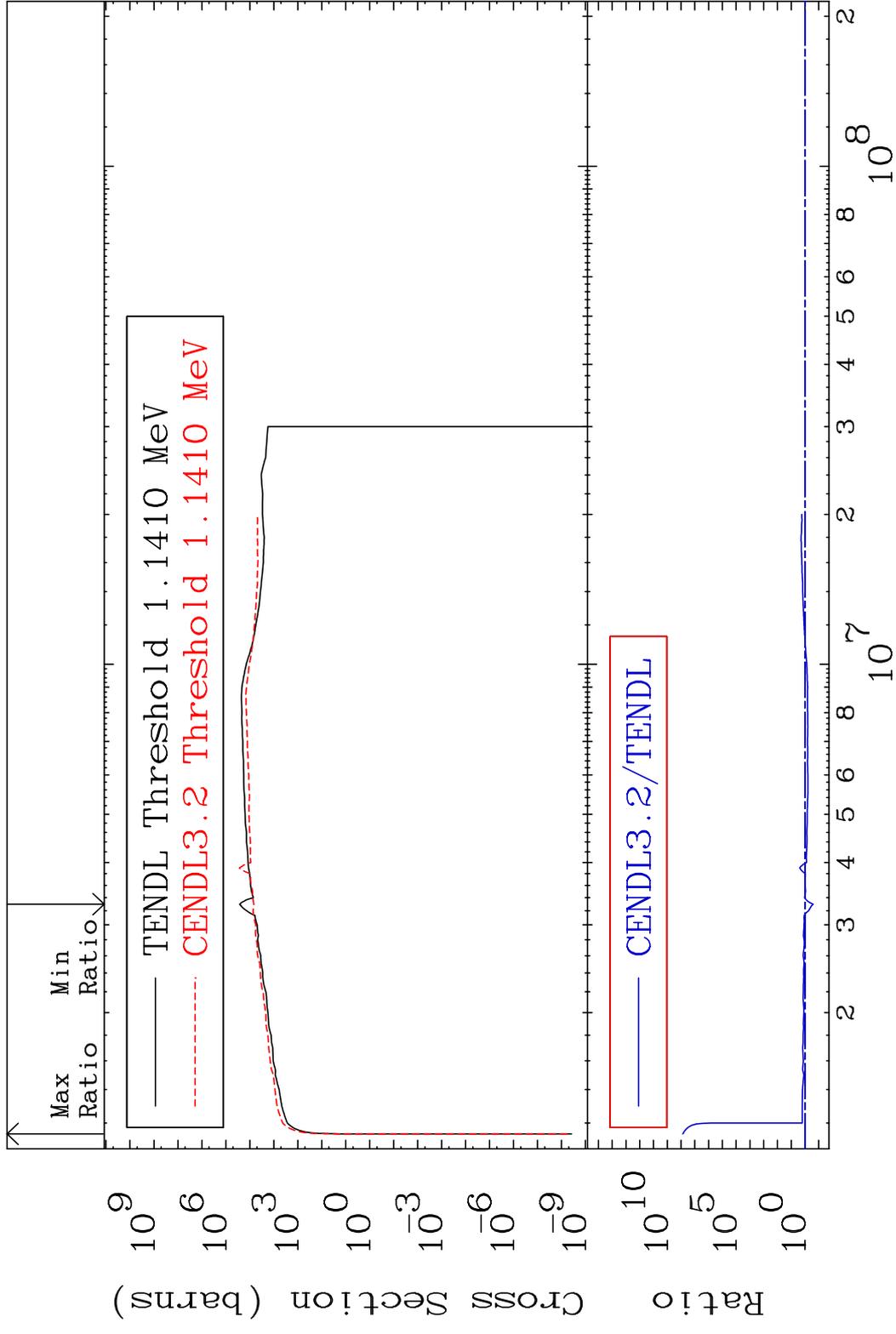
Incident Energy (eV)

50-Sn-124

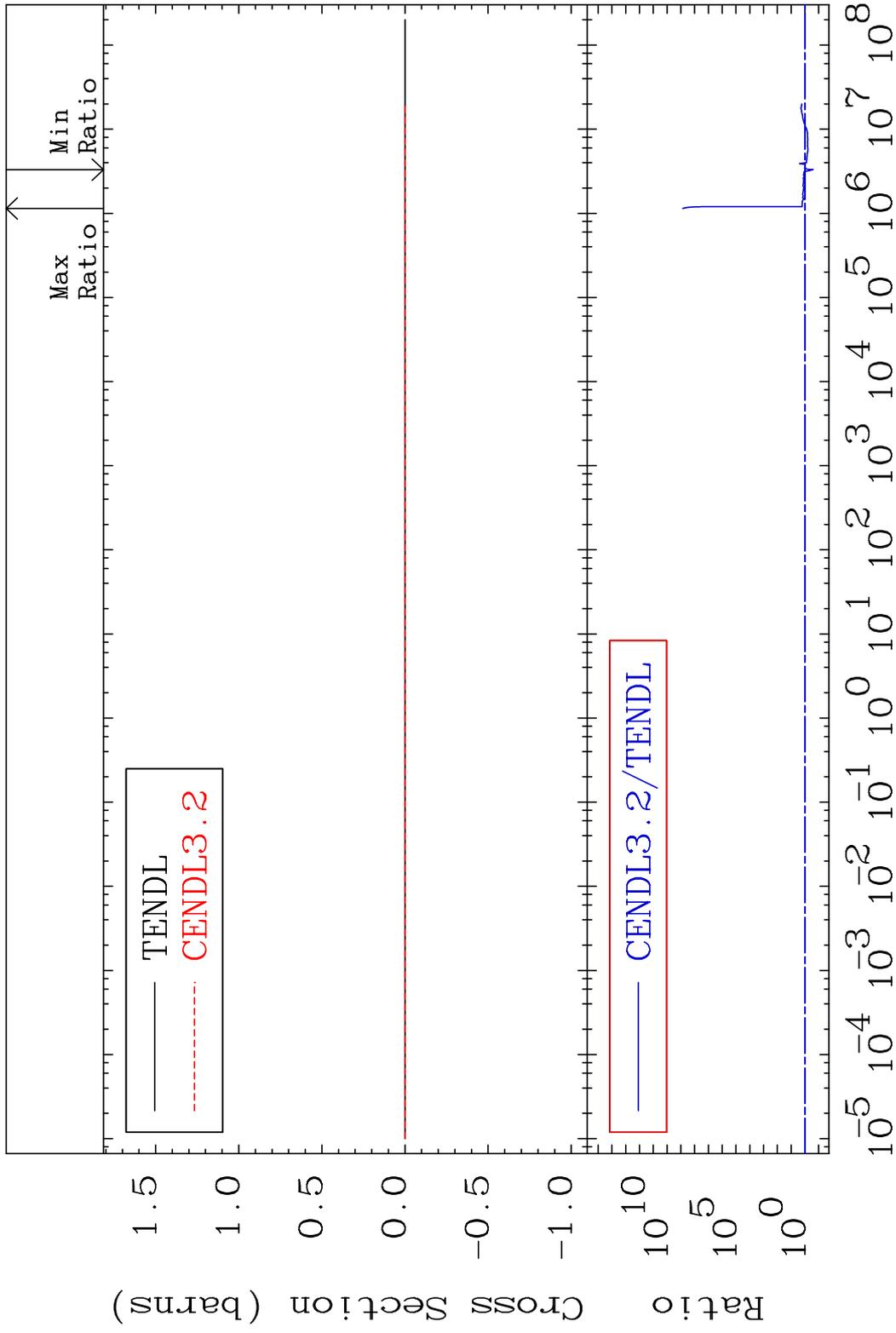
MAT 5061 Kerma non-elastic (all but mt2) 50-Sn-124
 Cross Section -97.71 To 9999. %



MAT 5061 Kerma inelastic (mt51-91) 50-Sn-124
 Cross Section -74.58 To 9999. %



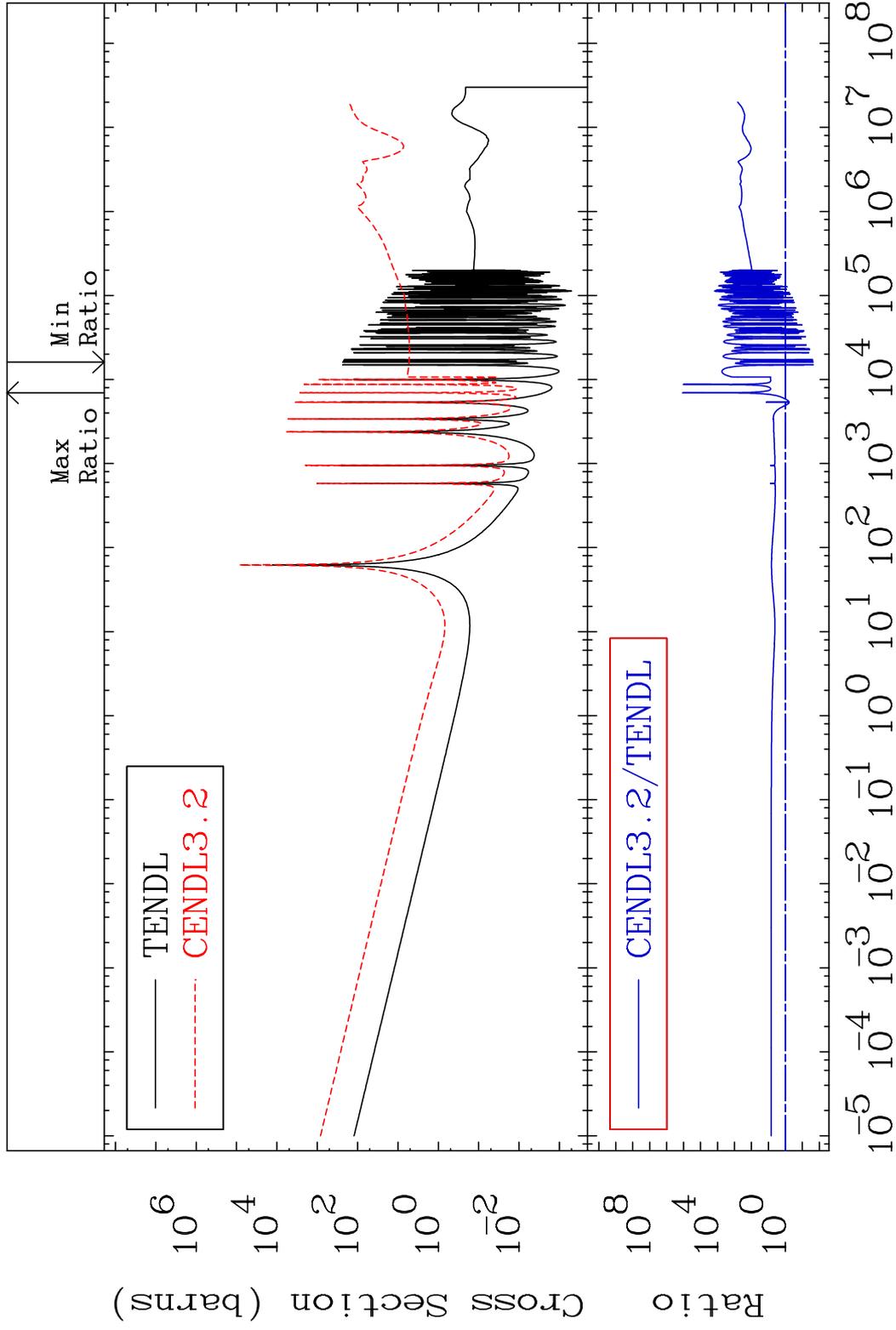
MAT 5061 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-124
 Cross Section -74.58 To 9999. %



MAT 5061

Kerma capture (mt102) 50-Sn-124

Cross Section -97.71 To 9999. %

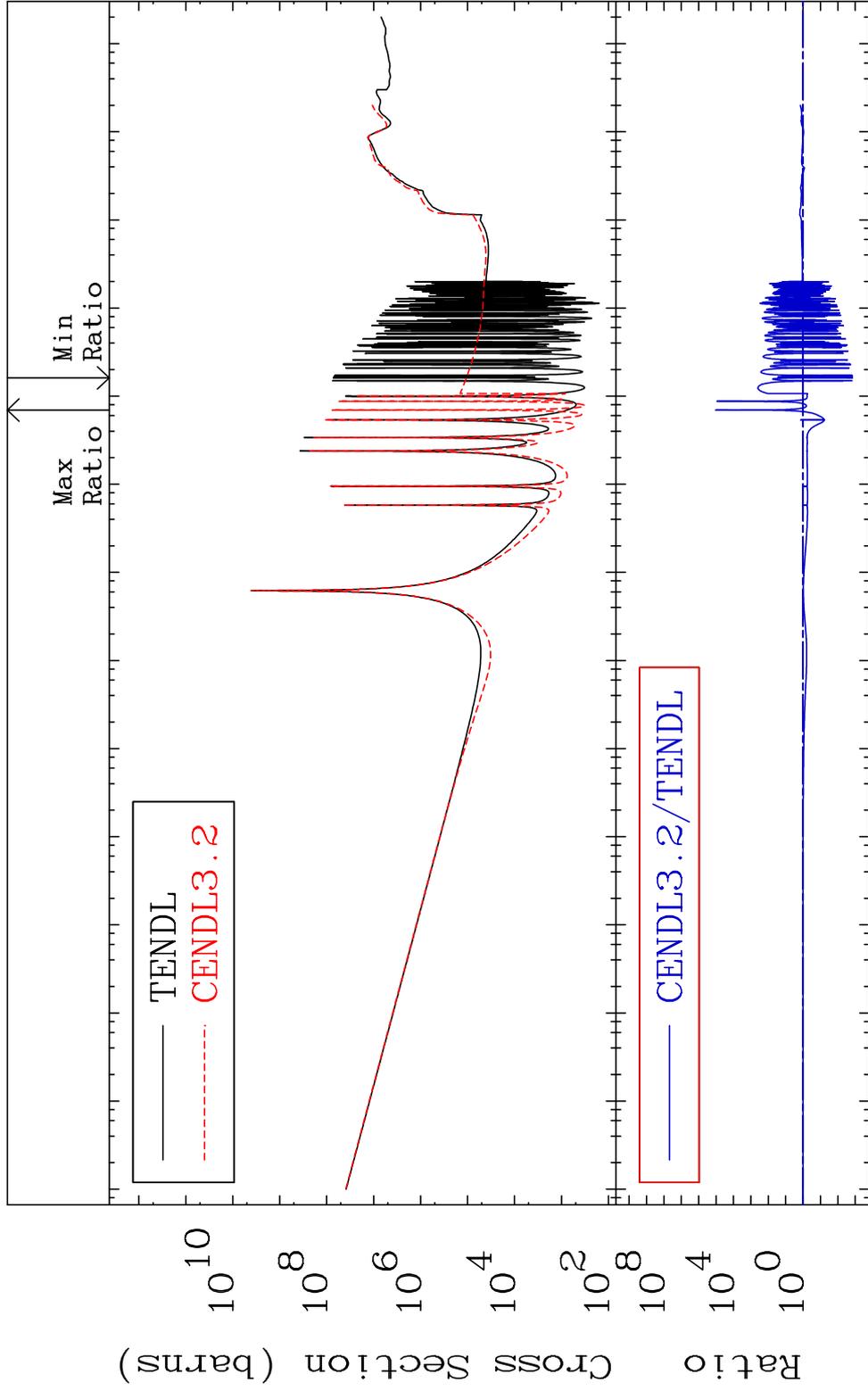


52

Incident Energy (eV)

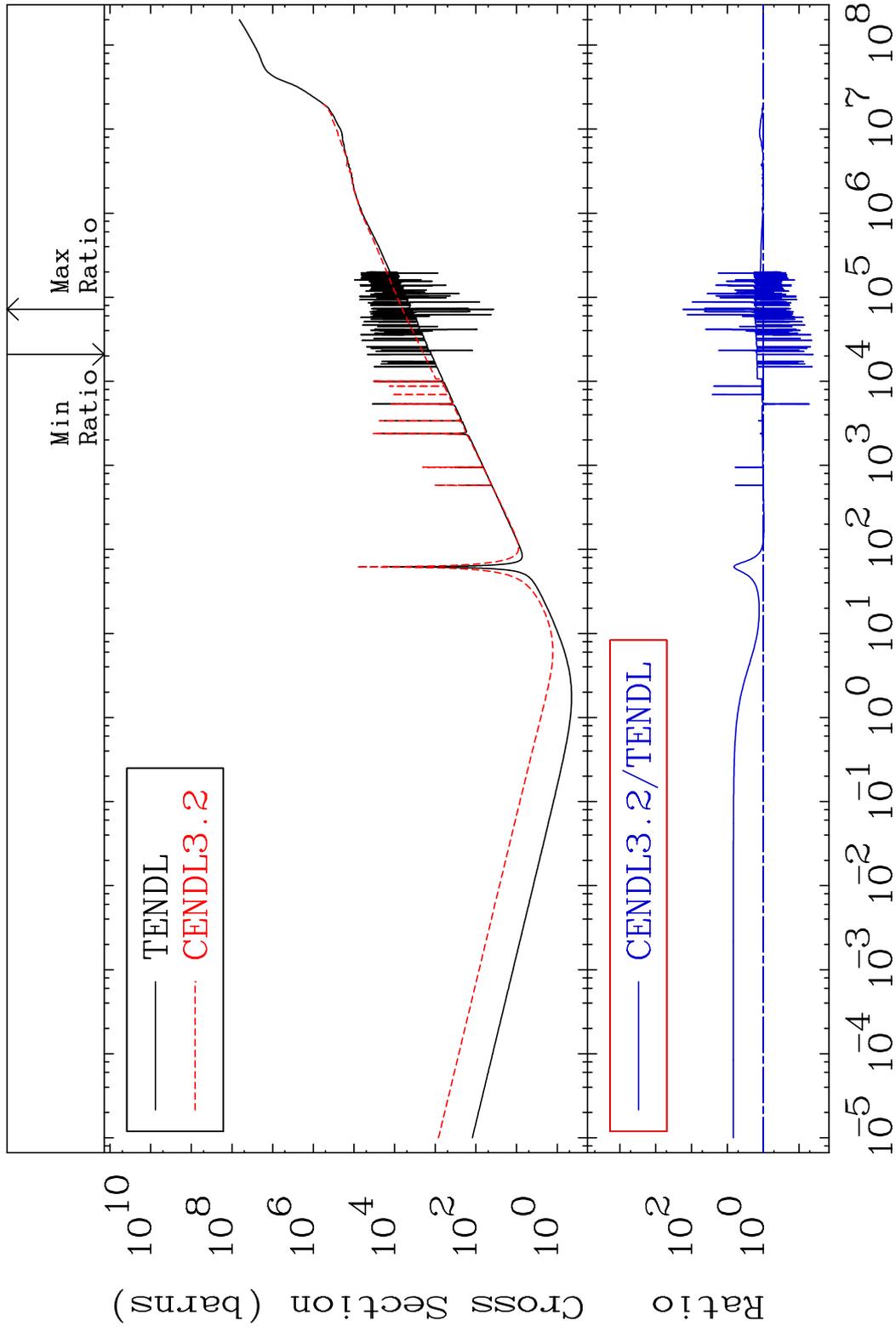
50-Sn-124

MAT 5061 Total photon (eV-barns) 50-Sn-124
 Cross Section -99.86 To 9999. %

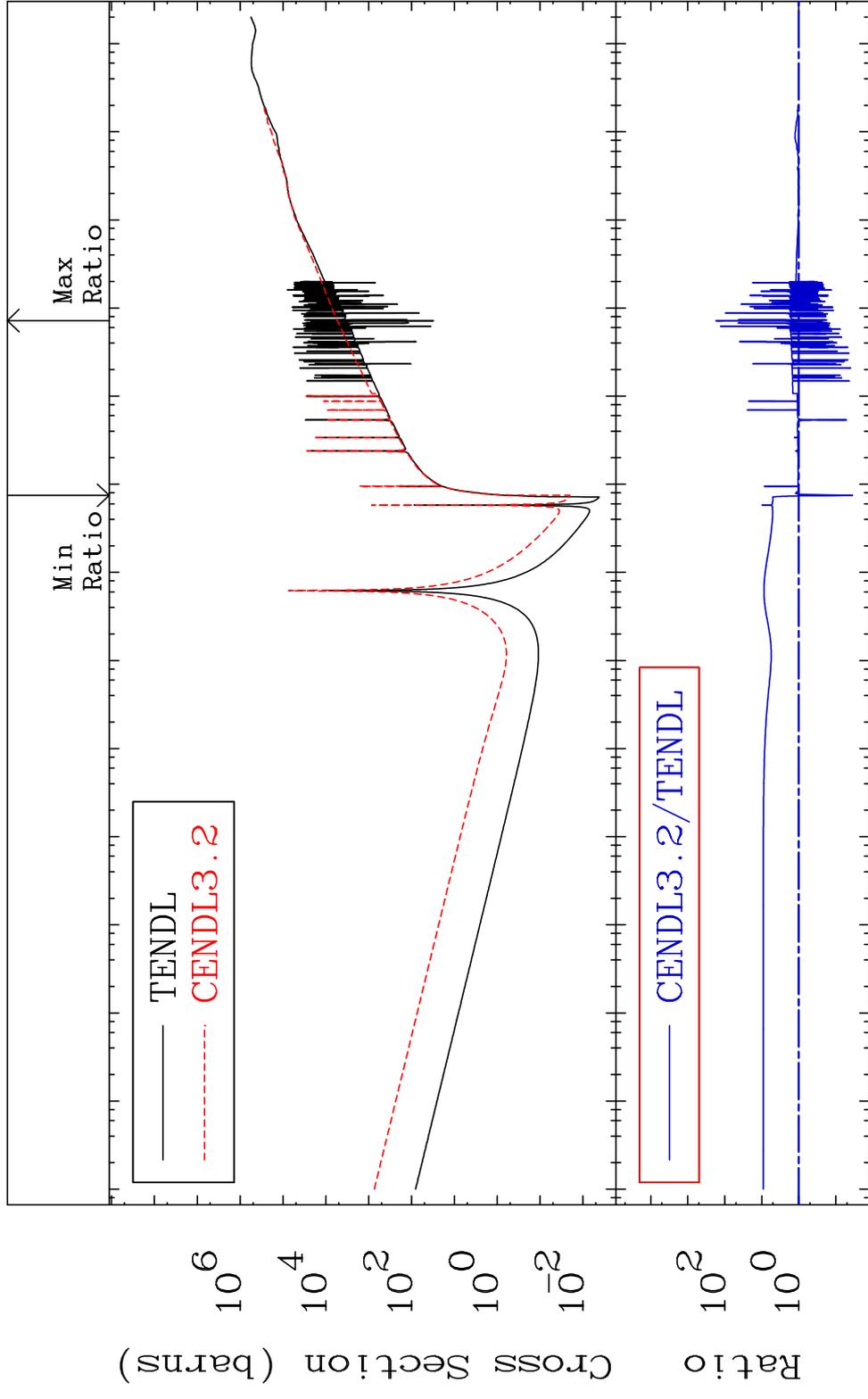


Ratio
 Cross Section (barns)
 Incident Energy (eV)

MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -95.95 To 9999. %



MAT 5061 Dpa total (eV-barns) 50-Sn-124
 Cross Section -96.45 To 9999. %

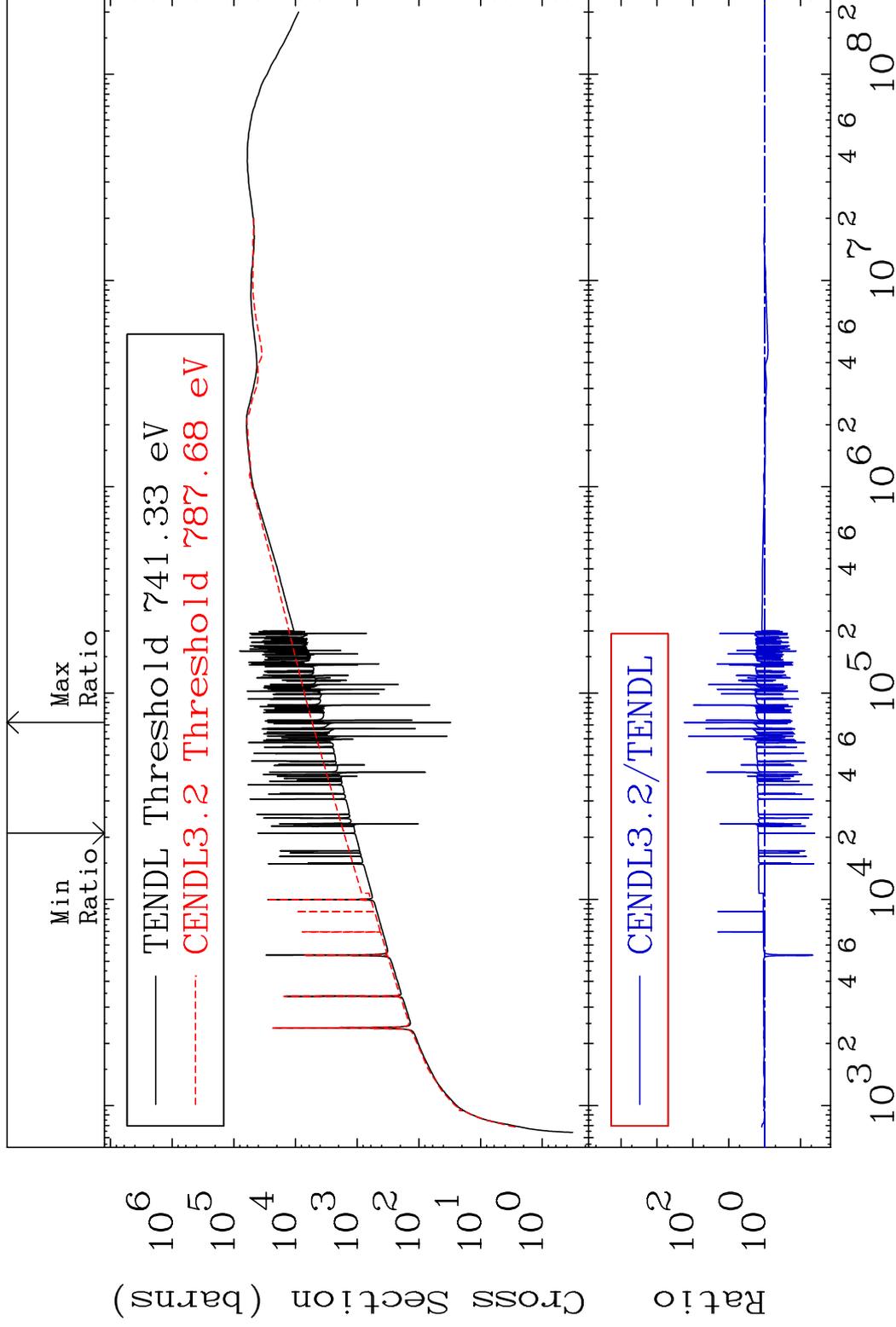


MAT 5061

Dpa elastic (mt2)

50-Sn-124

Cross Section -95.94 To 9999. %

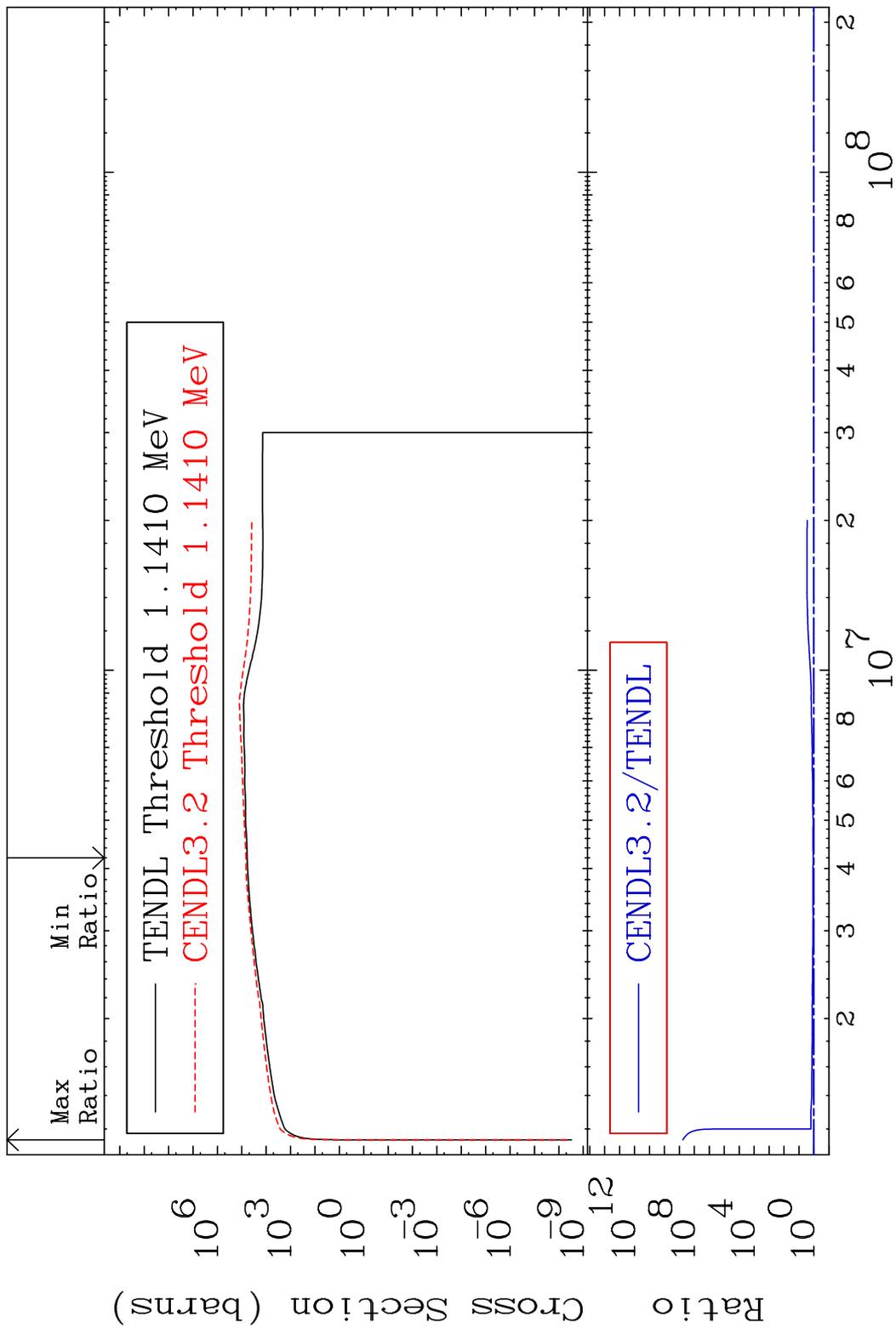


56

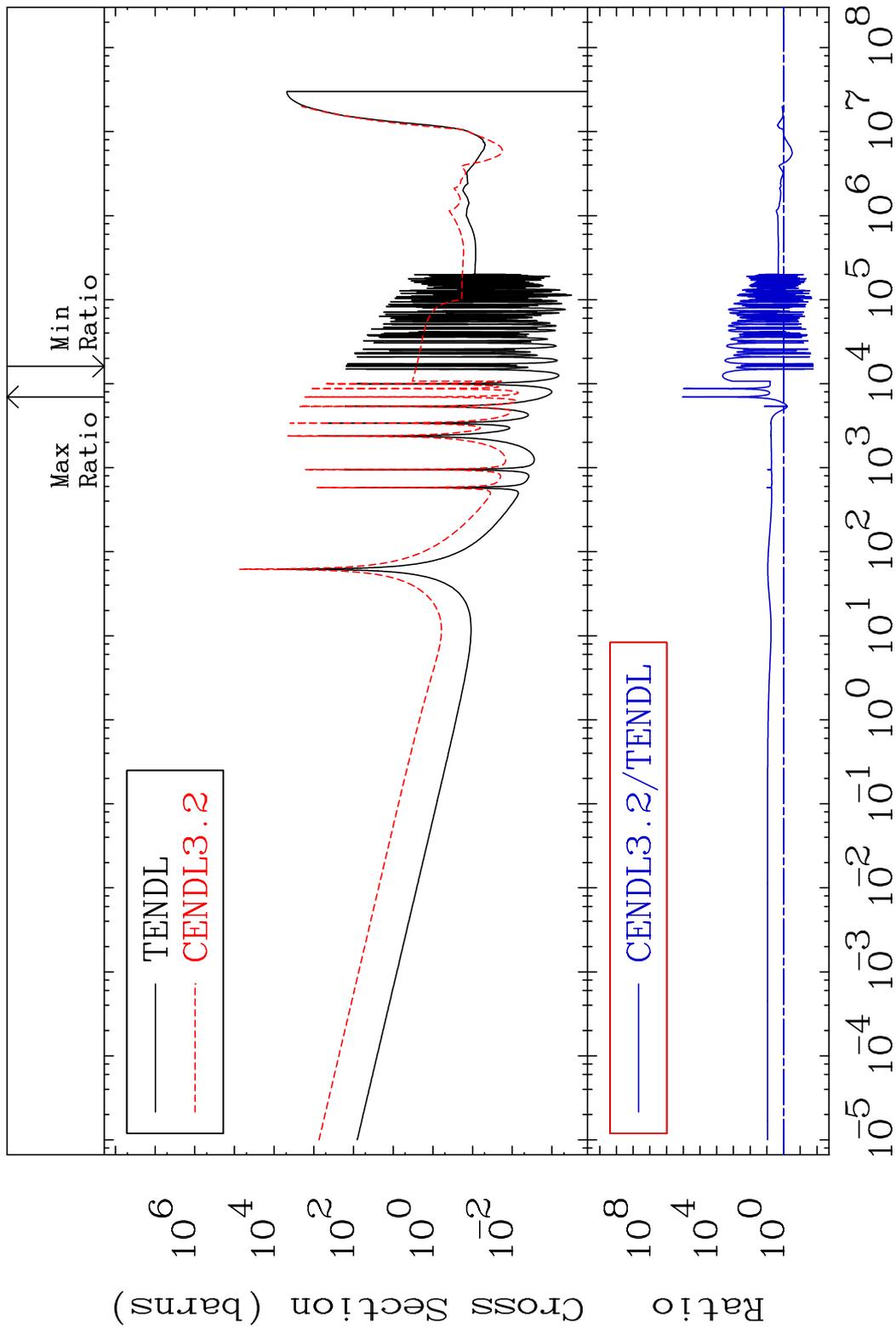
Incident Energy (eV)

50-Sn-124

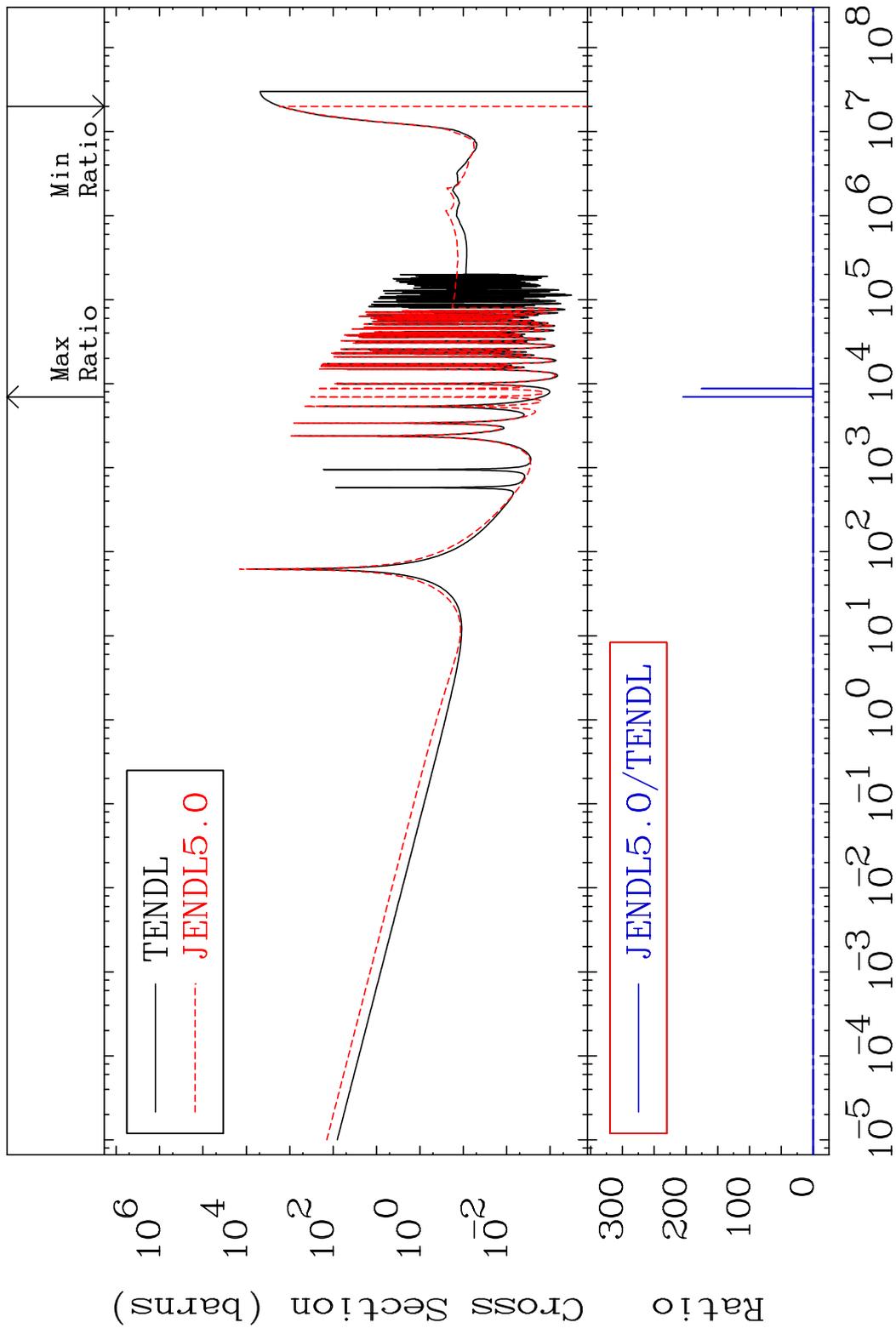
MAT 5061 Dpa inelastic (mt51-91) 50-Sn-124
 Cross Section 12.72 To 9999. %



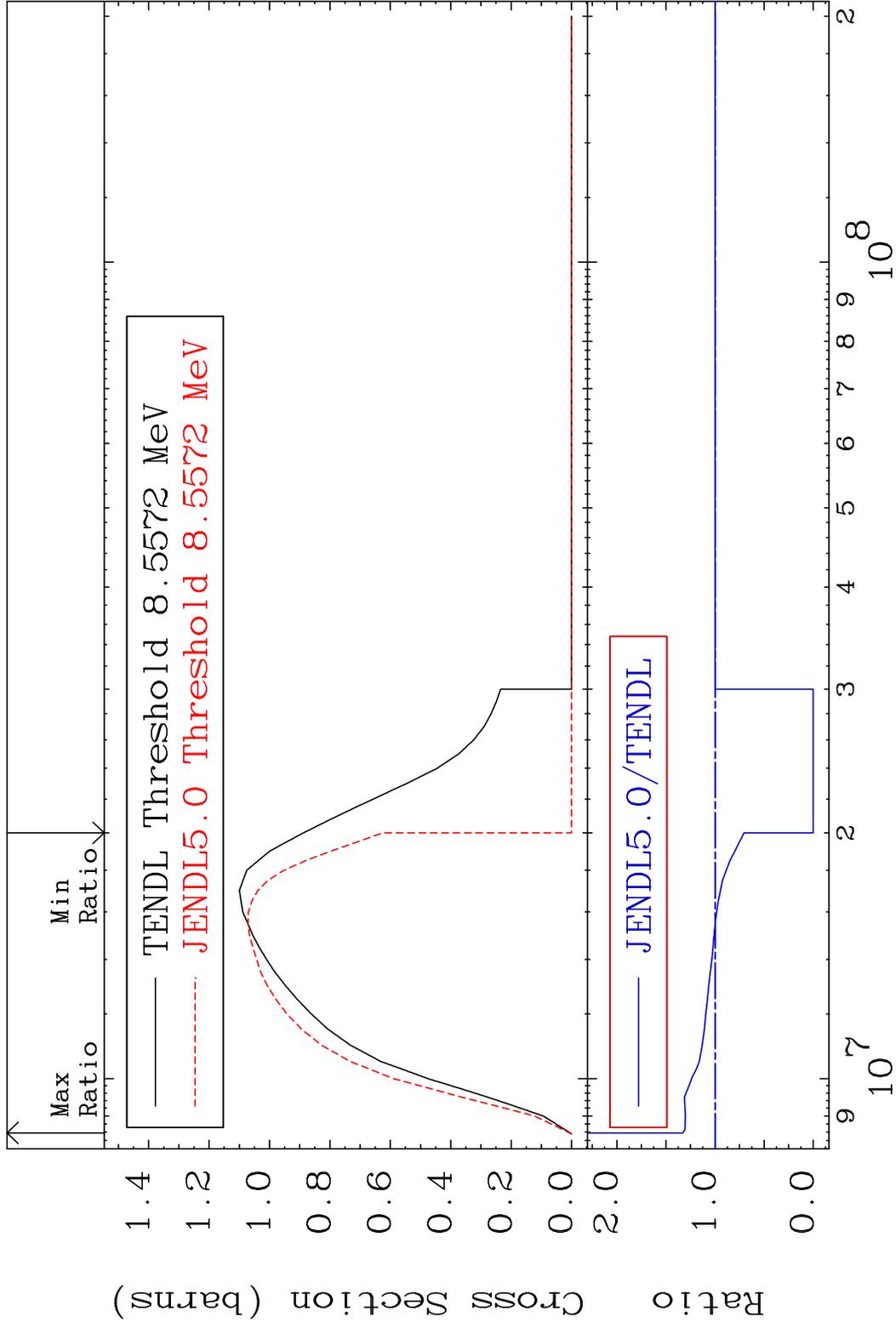
MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -98.31 To 9999. %



MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -100.0 To 9999. %

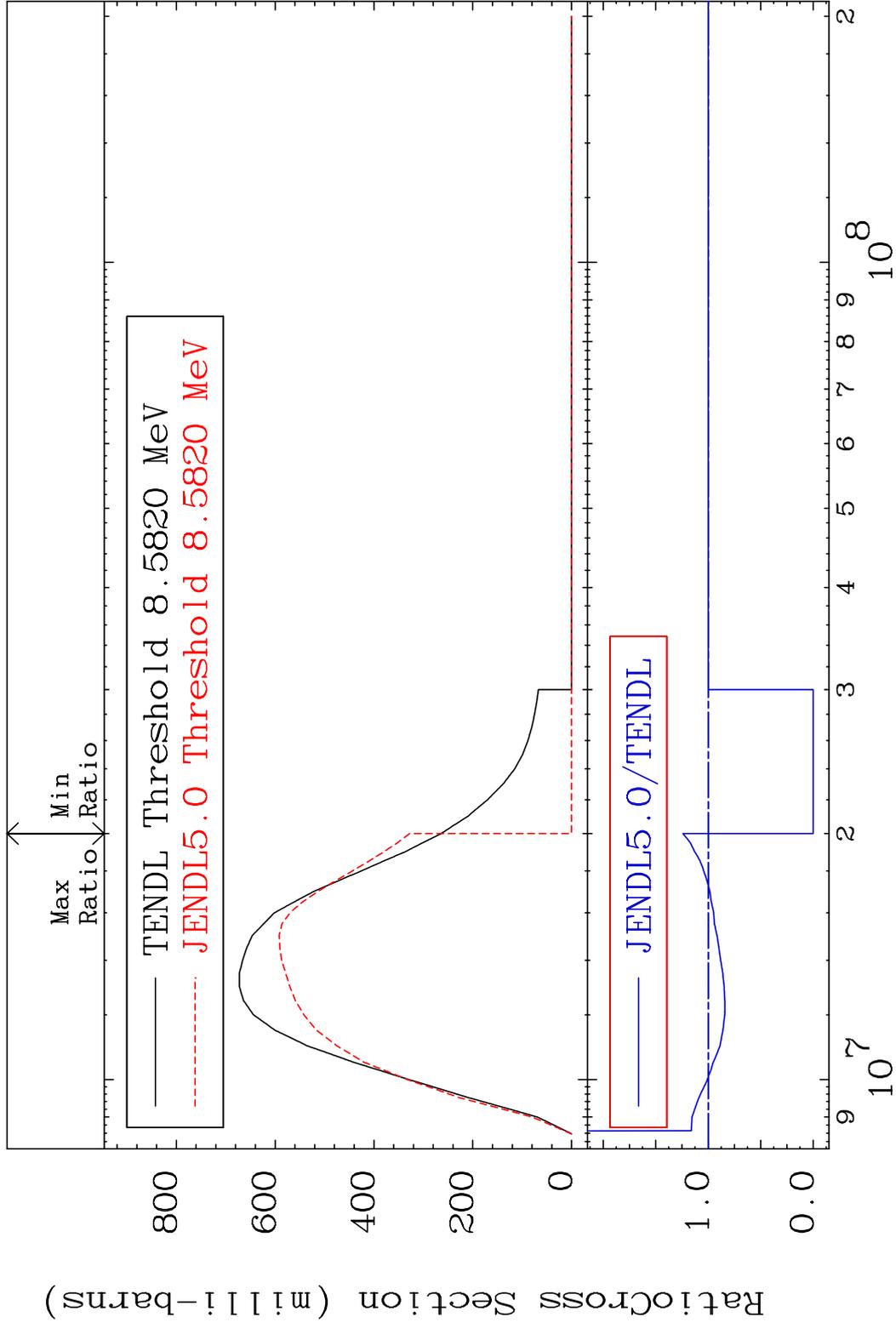


MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 32.80 %

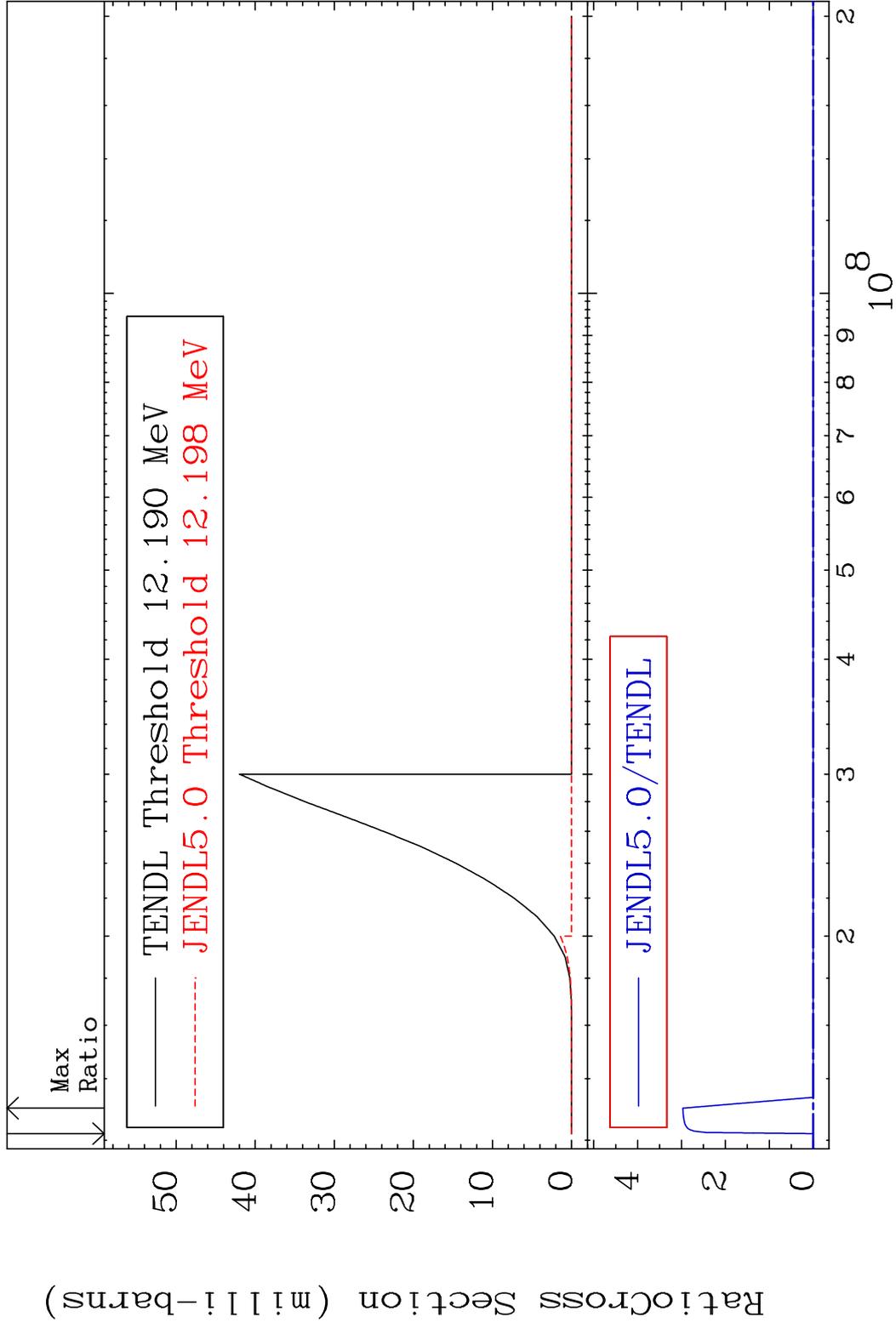


60 50-Sn-124

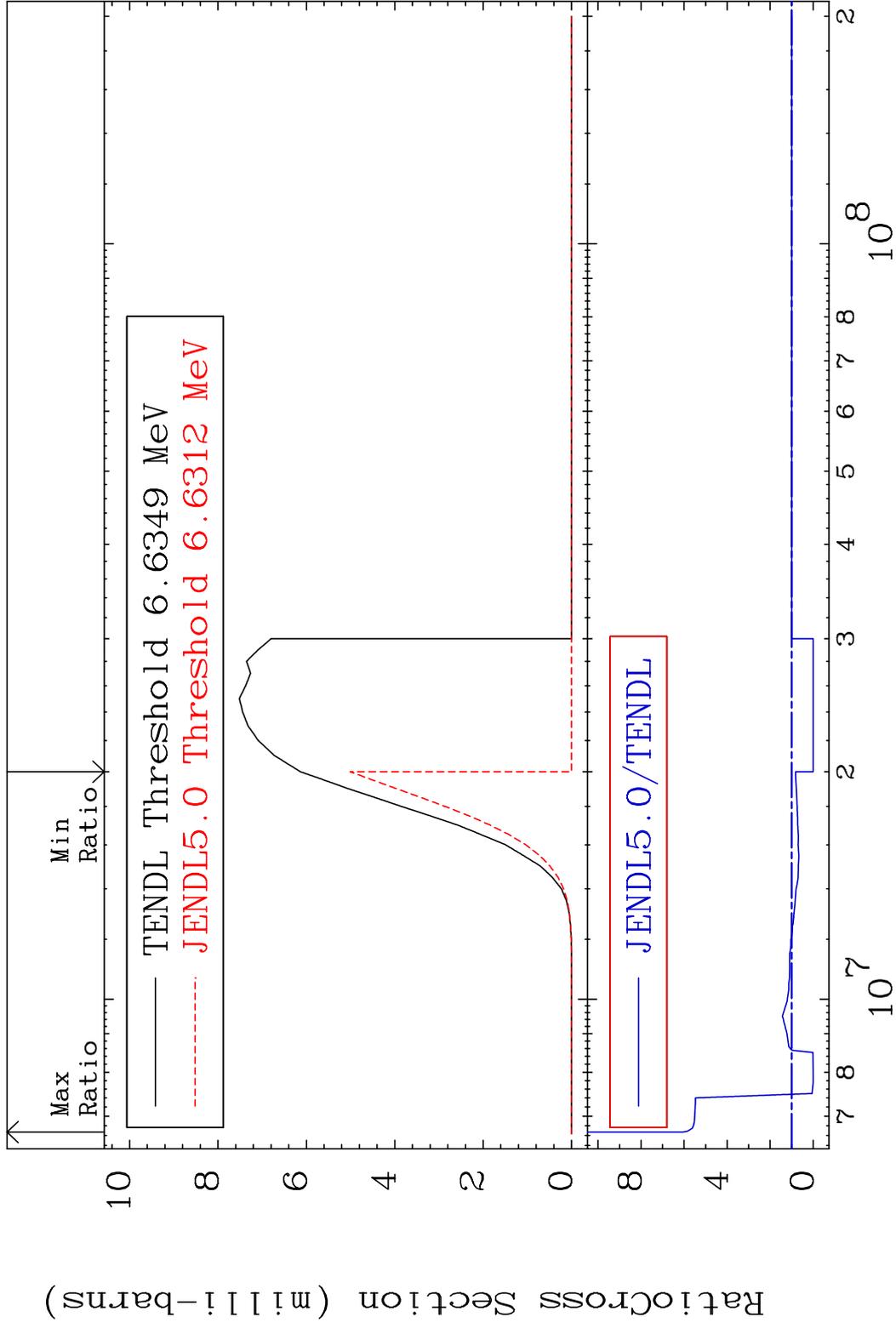
MAT 5061 (n, 2n):50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section Ratio 24.13 %



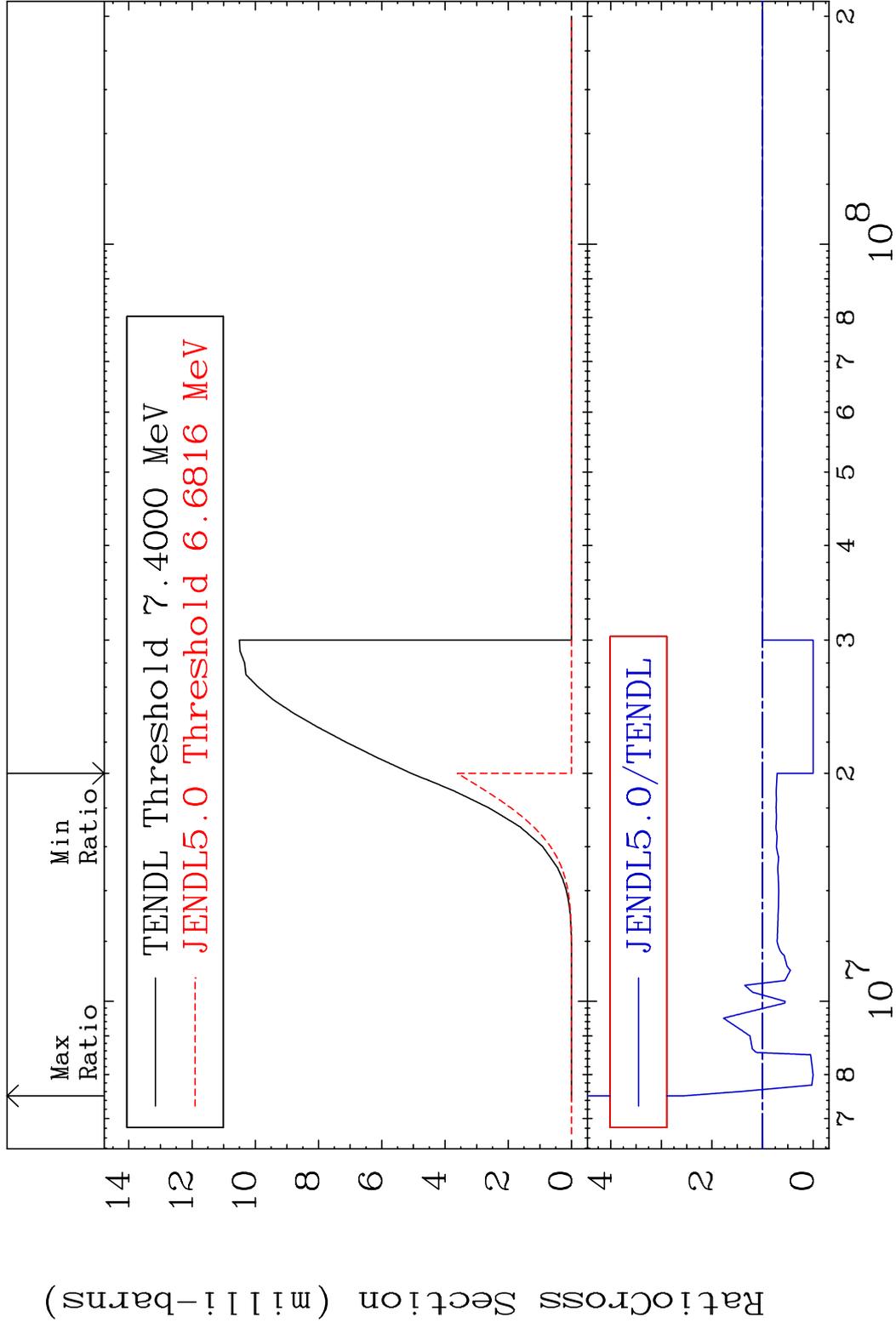
MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section Ratio 9999. %



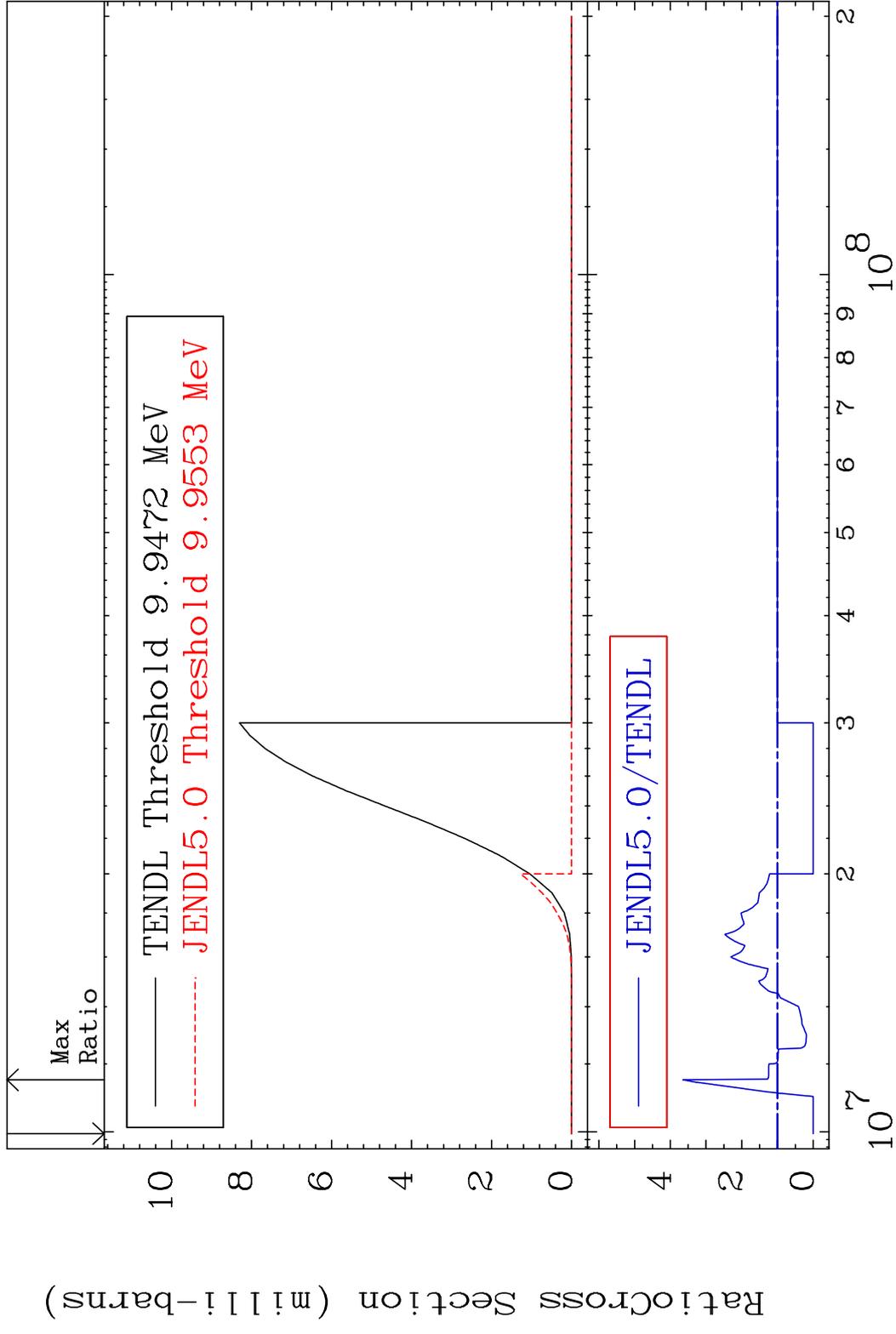
MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 180.0 dth 505.9 %



MAT 5061 (n, p): 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 157.6 %

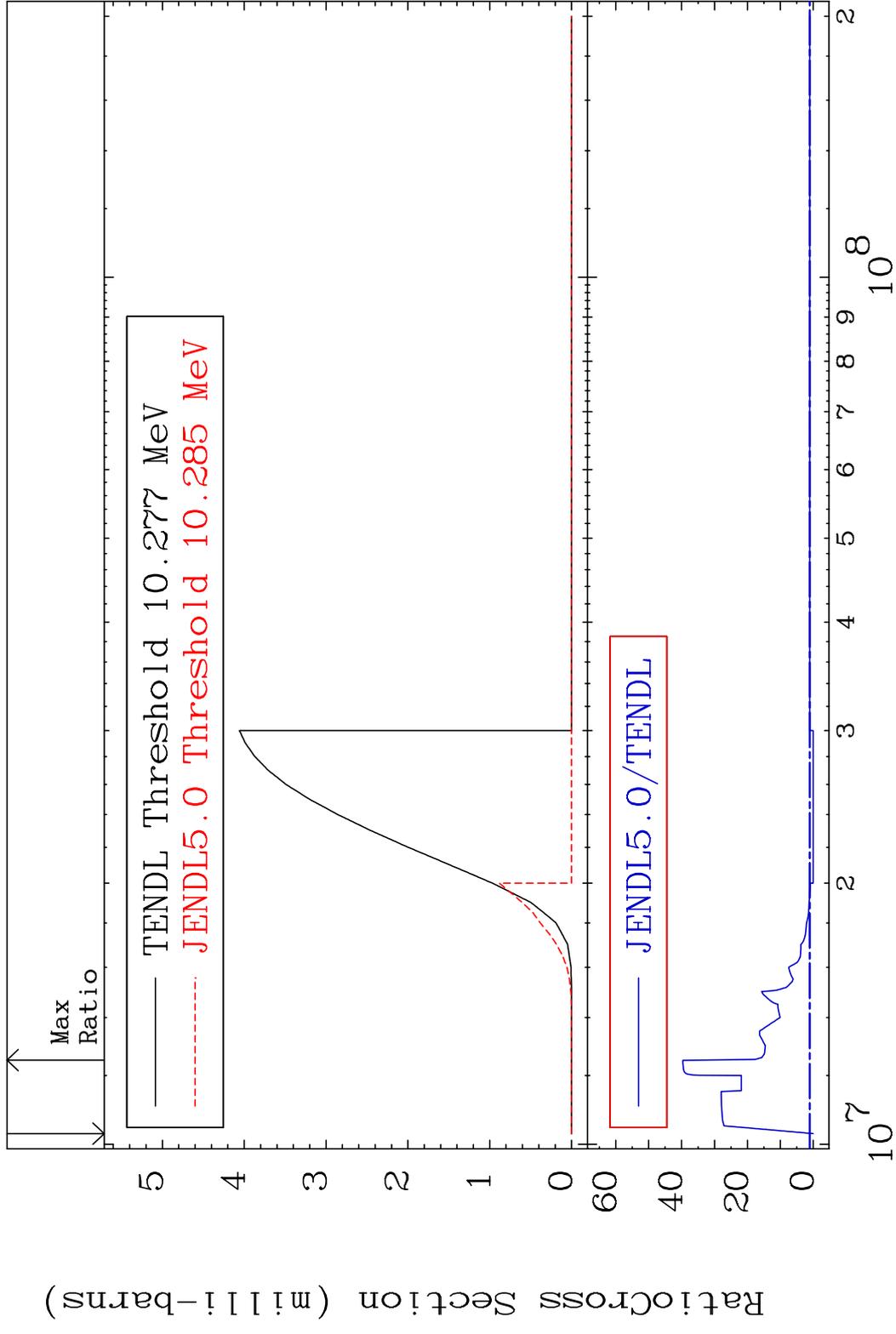


MAT 5061 (n,d):49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 180.0 dth 265.0 %

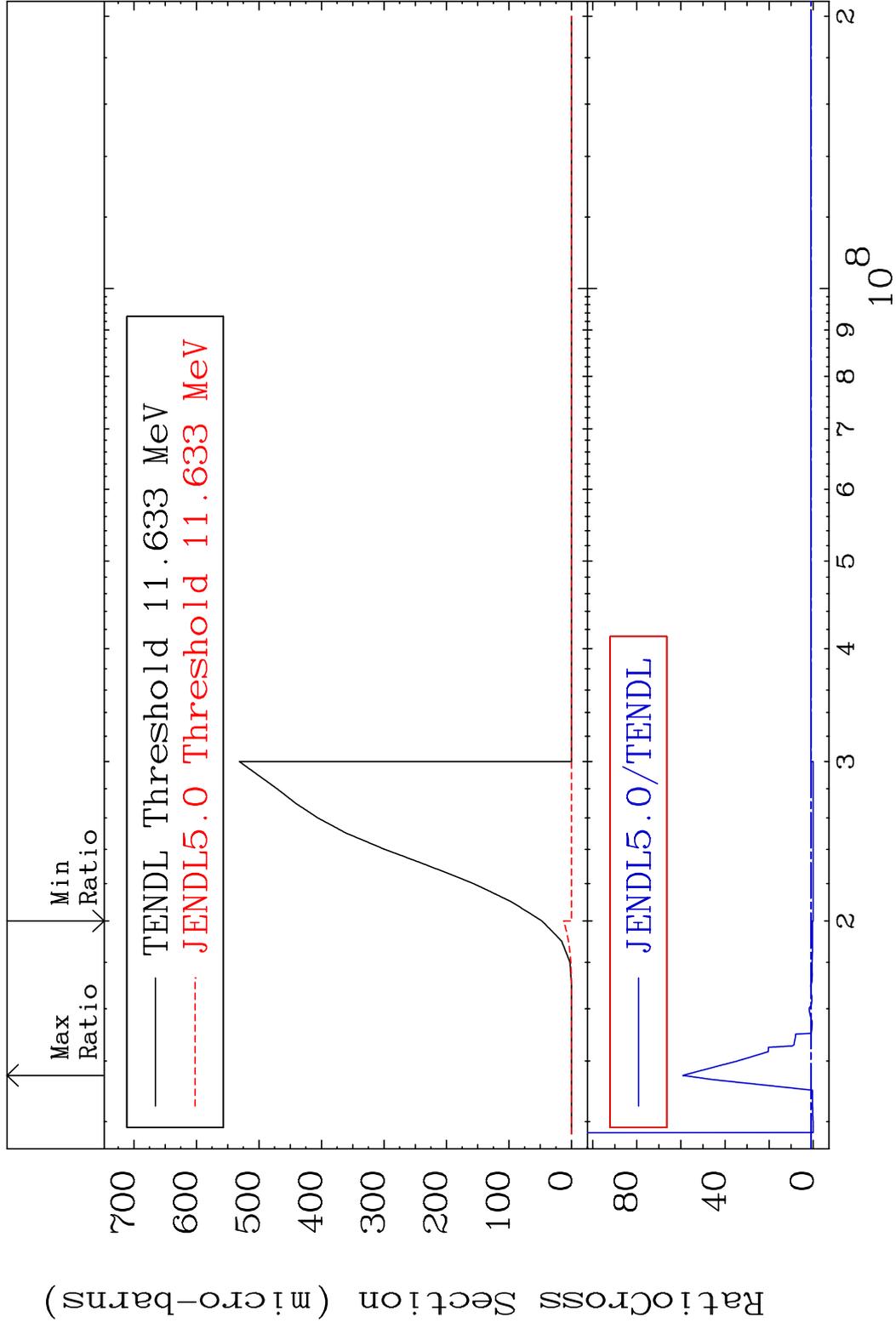


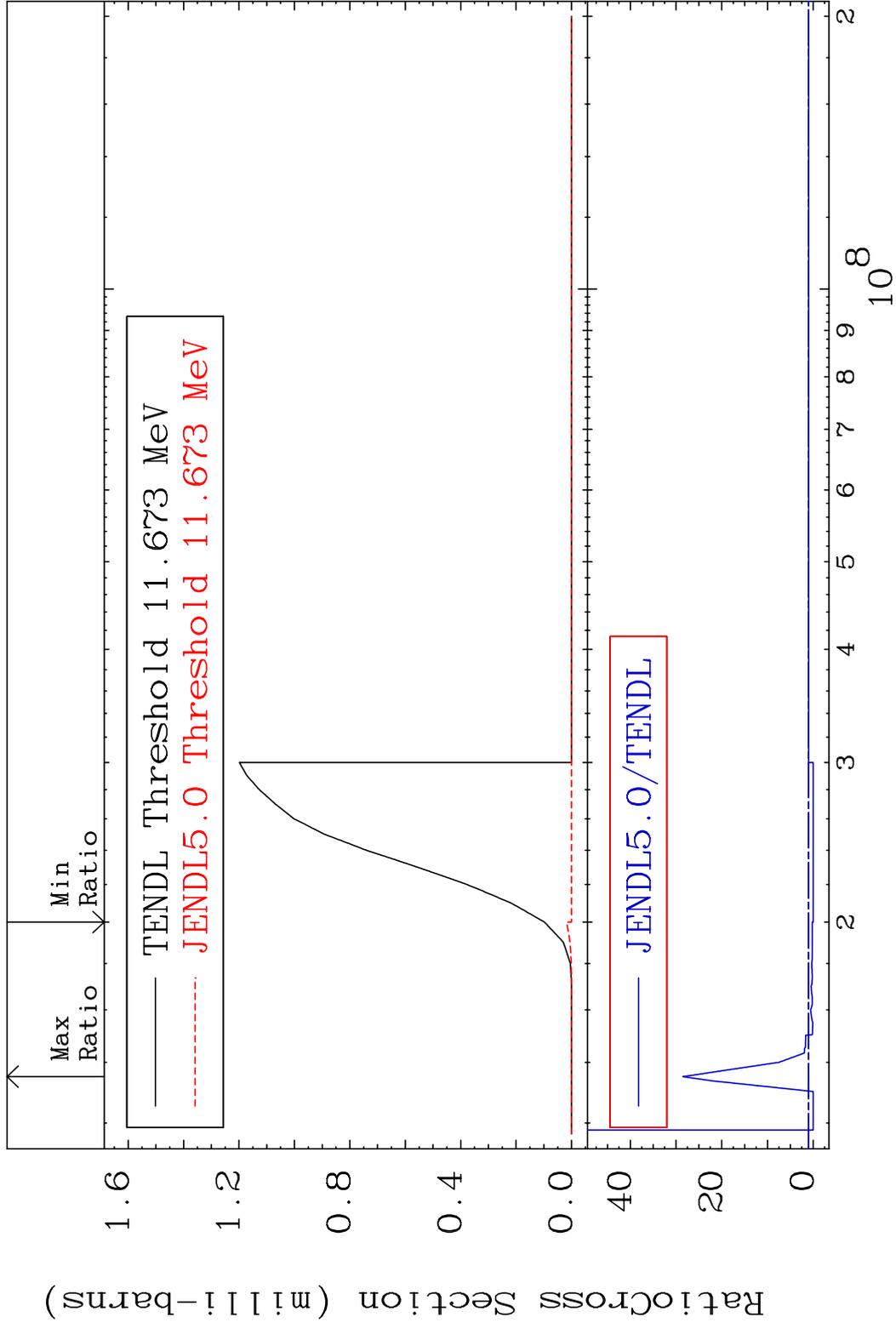
66 50-Sn-124

MAT 5061 (n, d):49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section to 3863. %

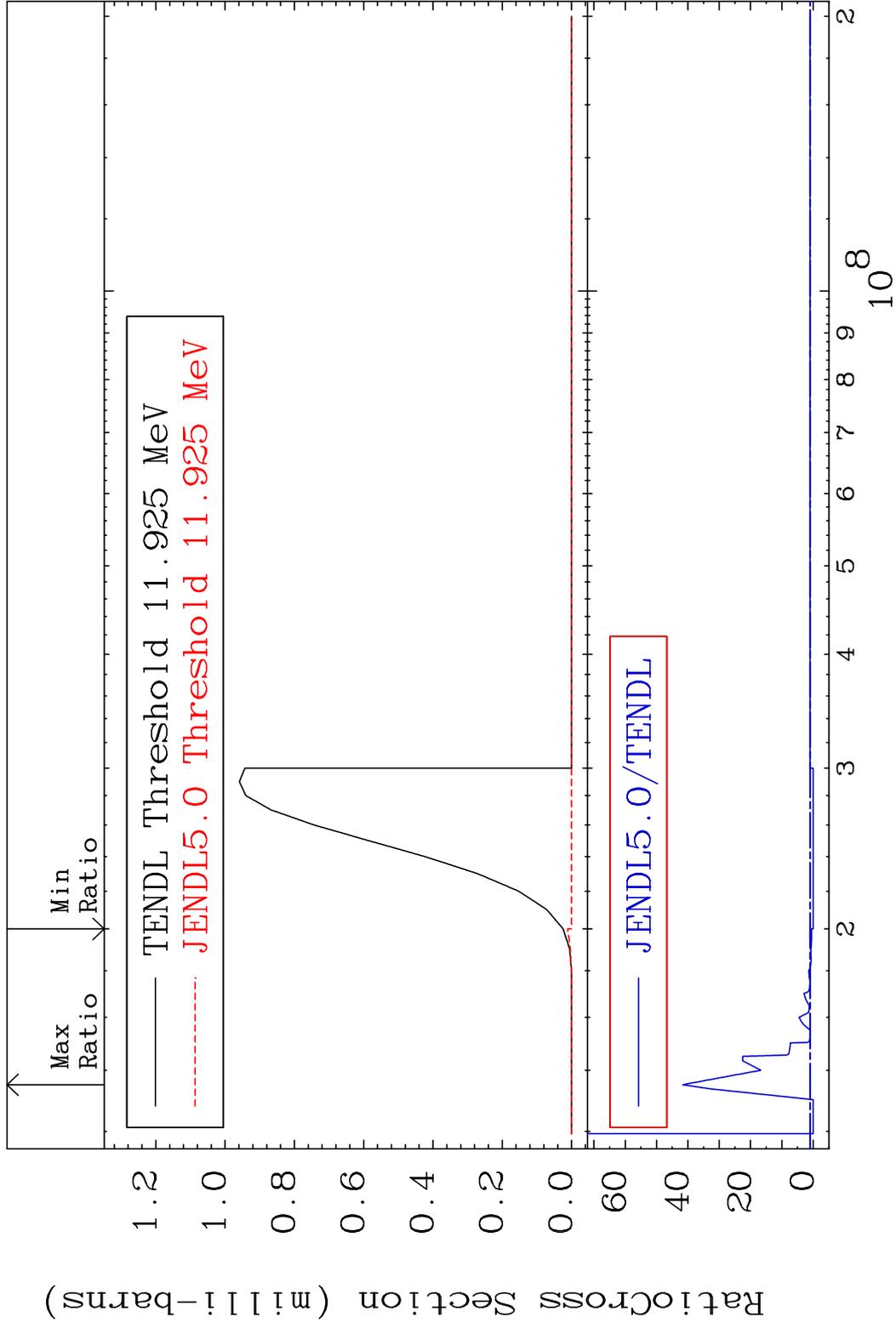


MAT 5061 (n, t): 49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 5812. %





MAT 5061 (n, t): 49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section Ratio 4062. %



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

