

Program Complot
(Version 2021-1)

by

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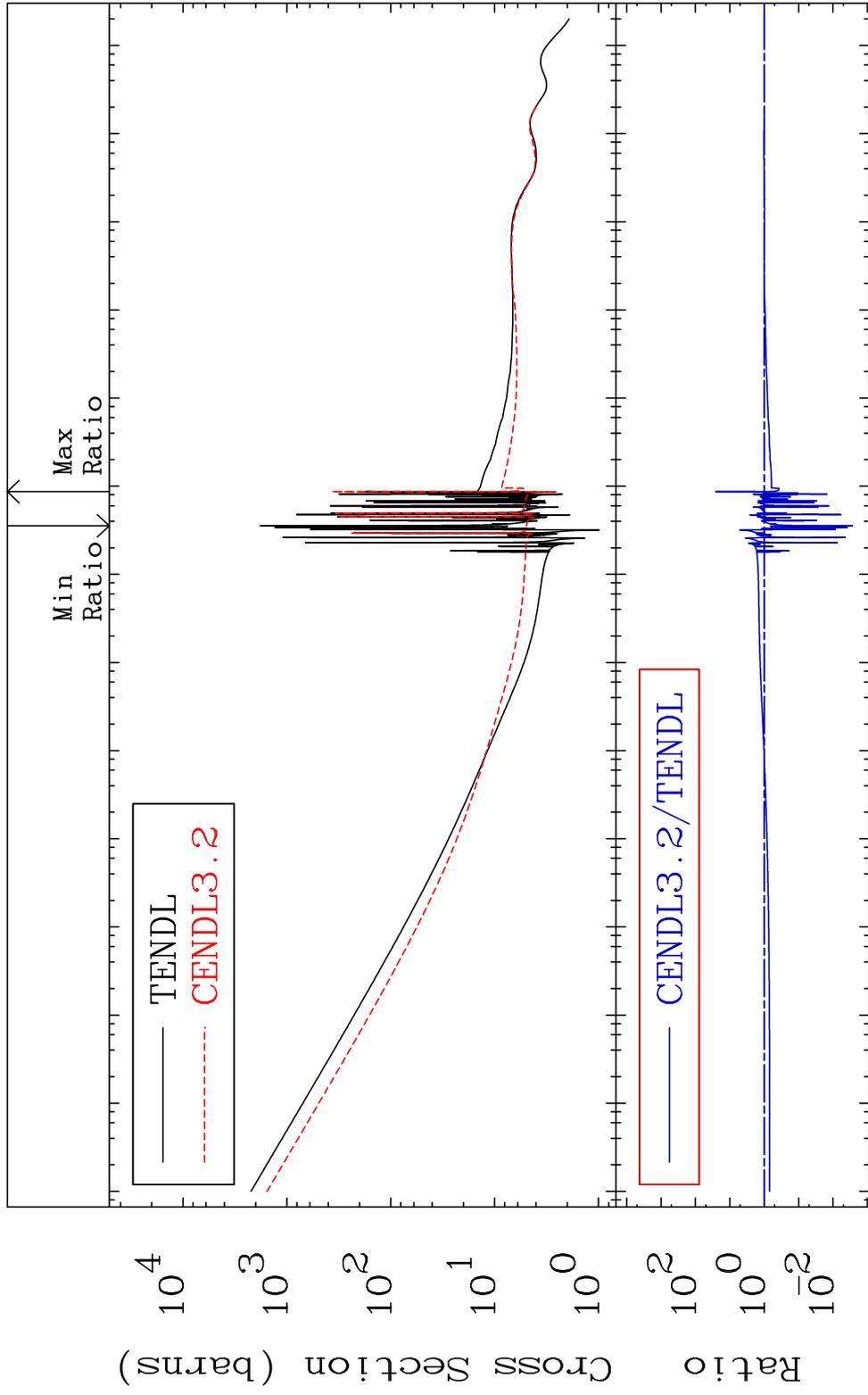
Press Mouse Button to Start

MAT 5034

Total

50-Sn-115

Cross Section -99.73 To 2446. %



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-115

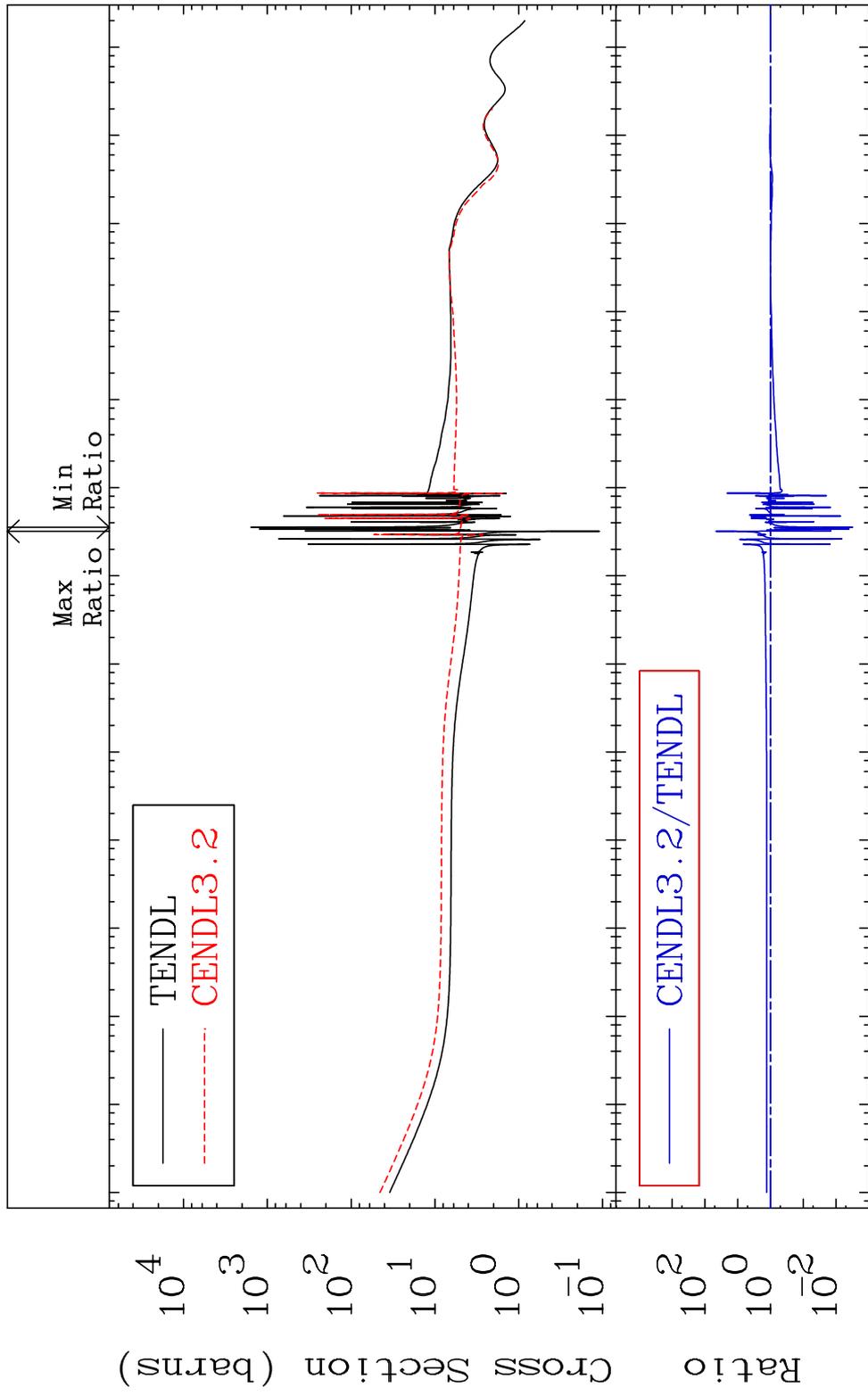
MAT 5034

Elastic

50-Sn-115

Cross Section

-99.68 To 4514. %

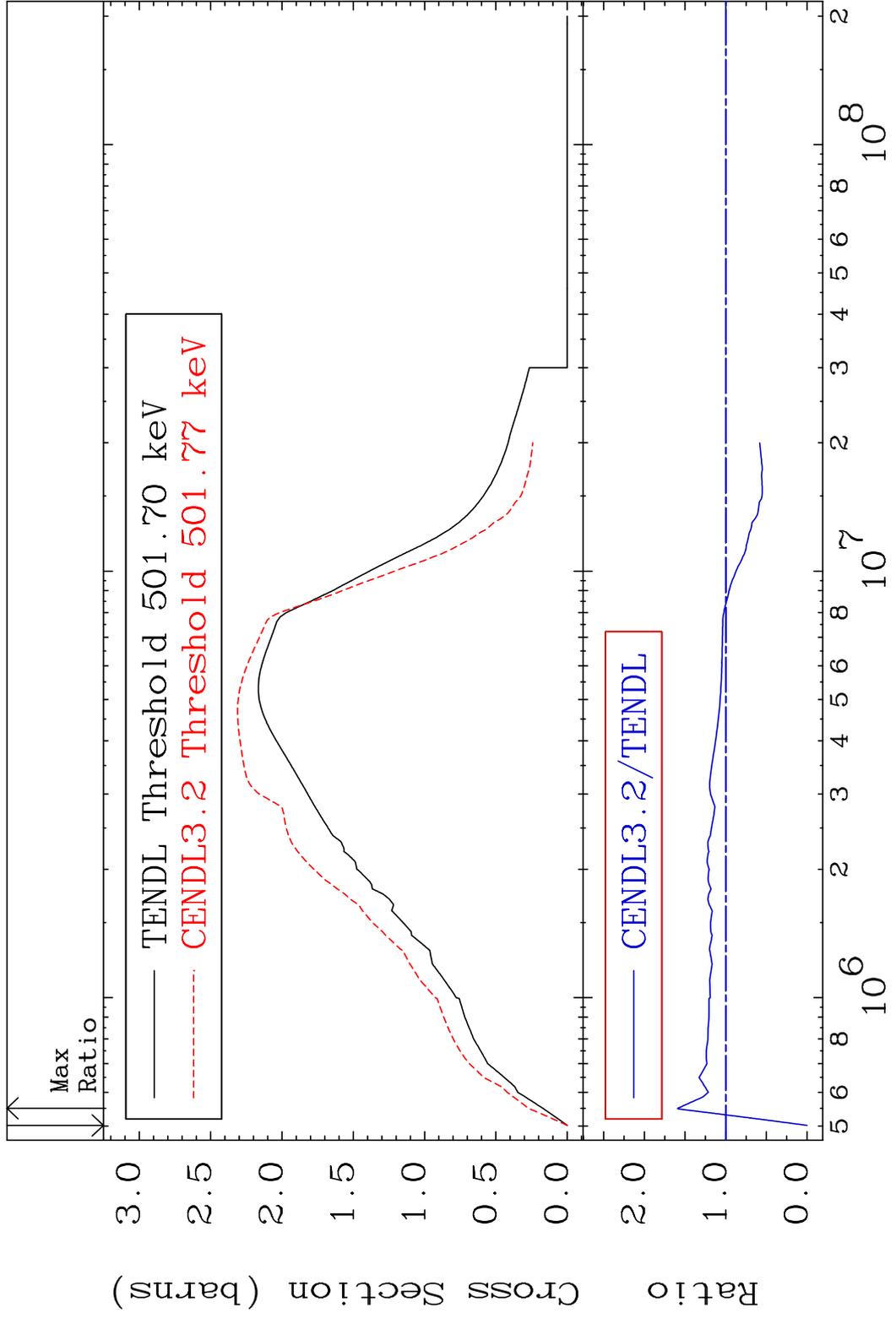


2

Incident Energy (eV)

50-Sn-115

MAT 5034 Inelastic 50-Sn-115
 Cross Section -100.0 To 59.03 %



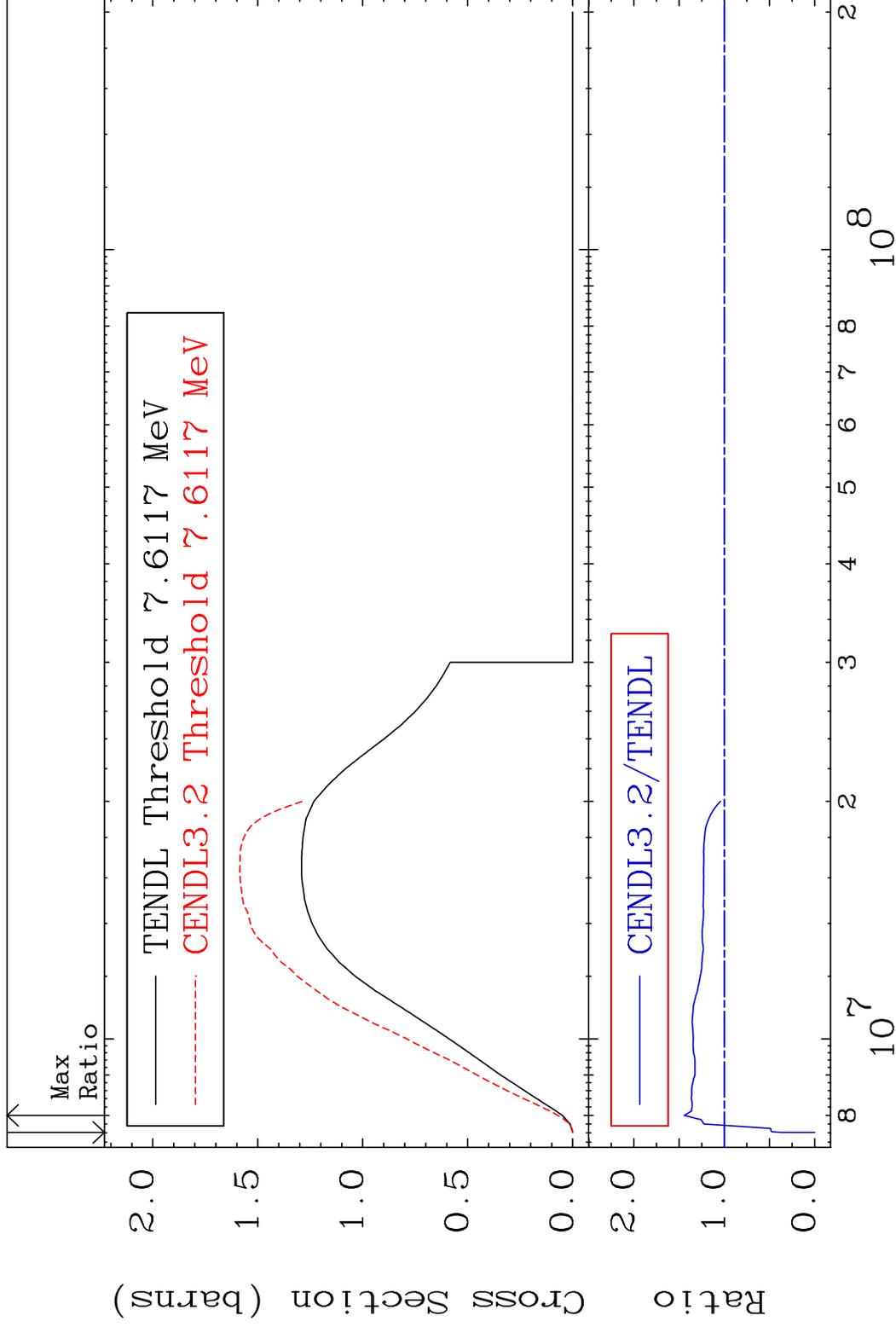
3 Incident Energy (eV) 50-Sn-115

MAT 5034

(n,2n)

50-Sn-115

Cross Section -100.0 To 44.44 %



4

Incident Energy (eV)

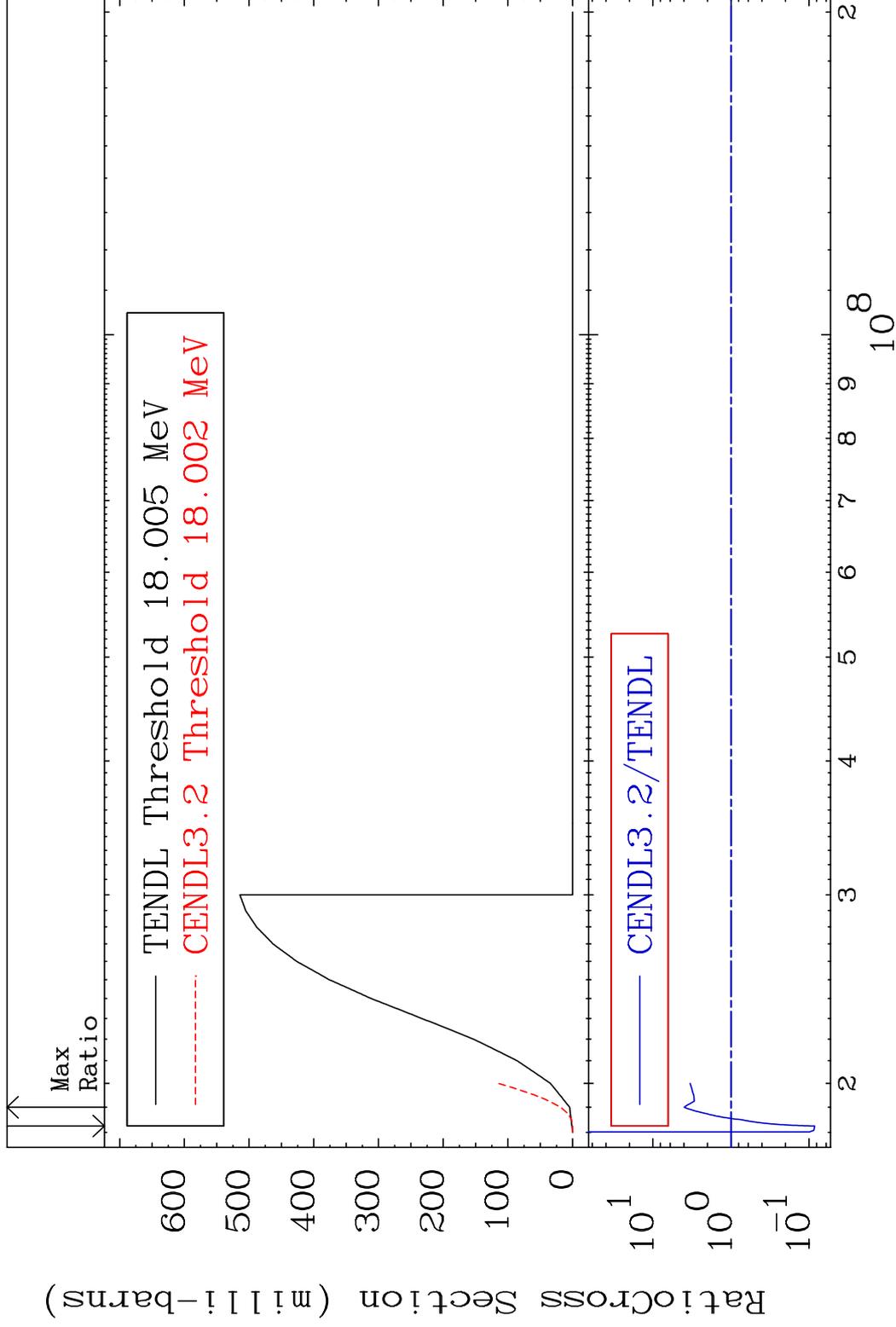
50-Sn-115

MAT 5034

(n,3n)

50-Sn-115

Cross Section -91.56 To 298.0 %

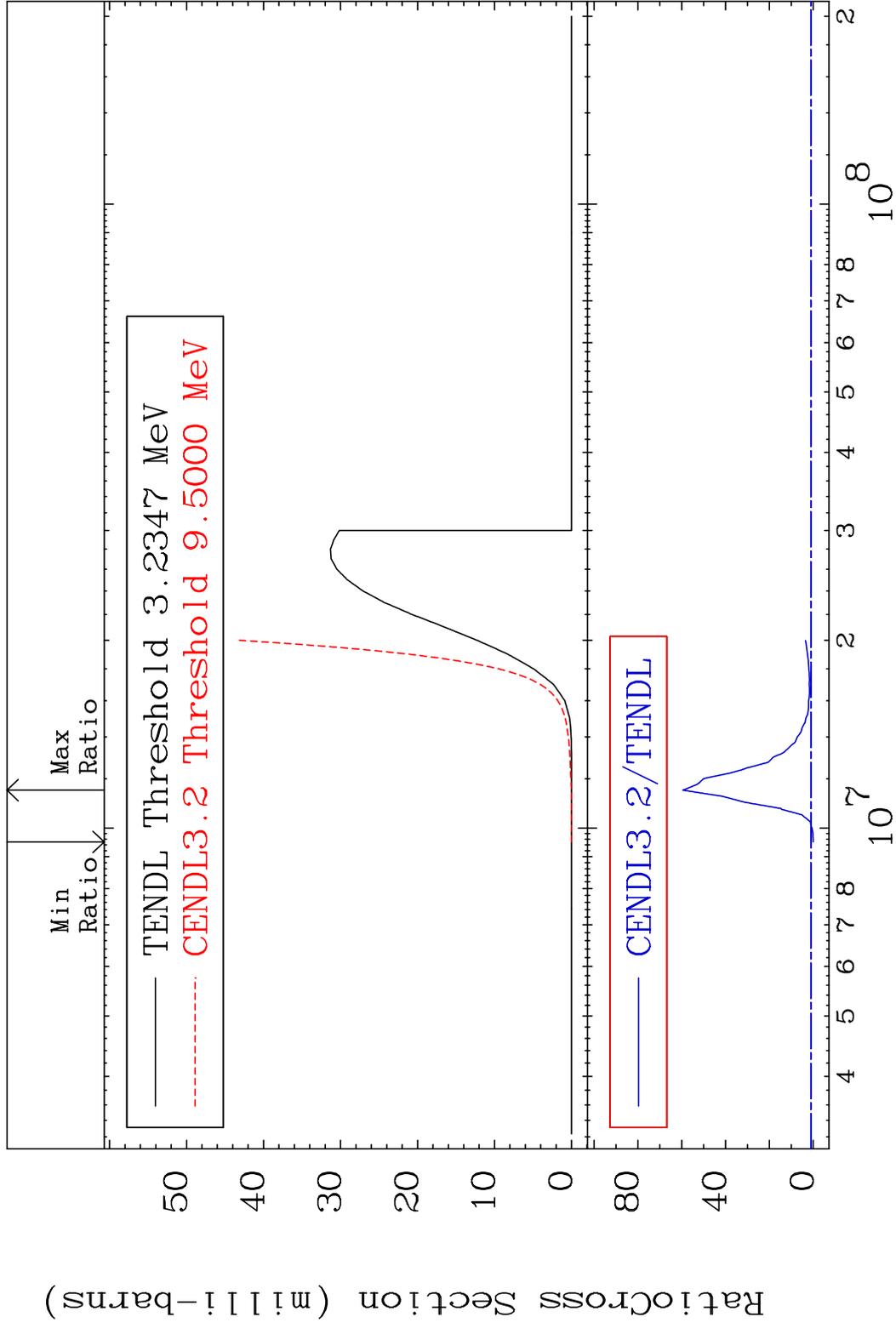


5

Incident Energy (eV)

50-Sn-115

MAT 5034 (n, n') α 50-Sn-115
 Cross Section -100.0 To 5846. %

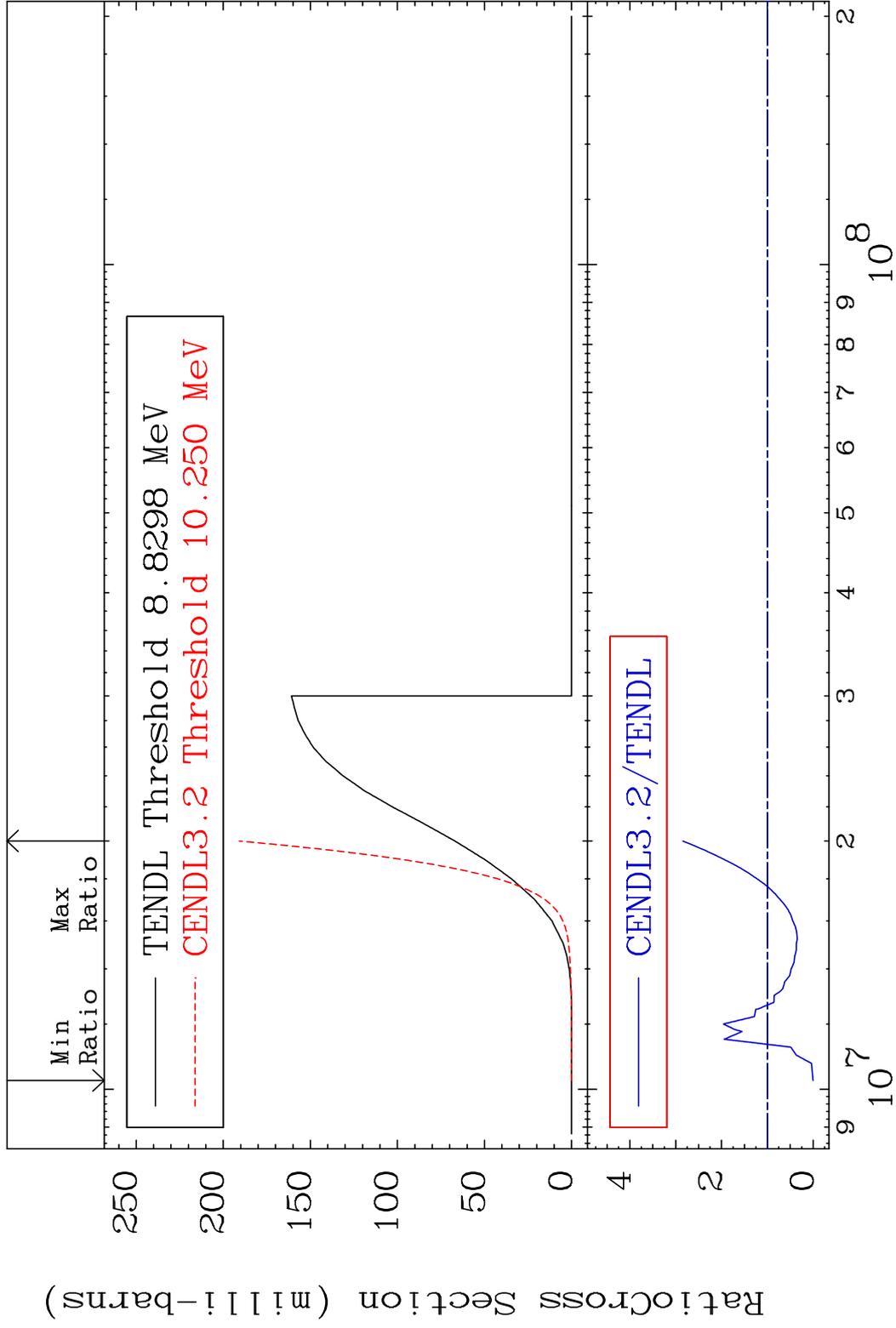


MAT 5034

(n, n') p

50-Sn-115

Cross Section -100.0 To 184.5 %

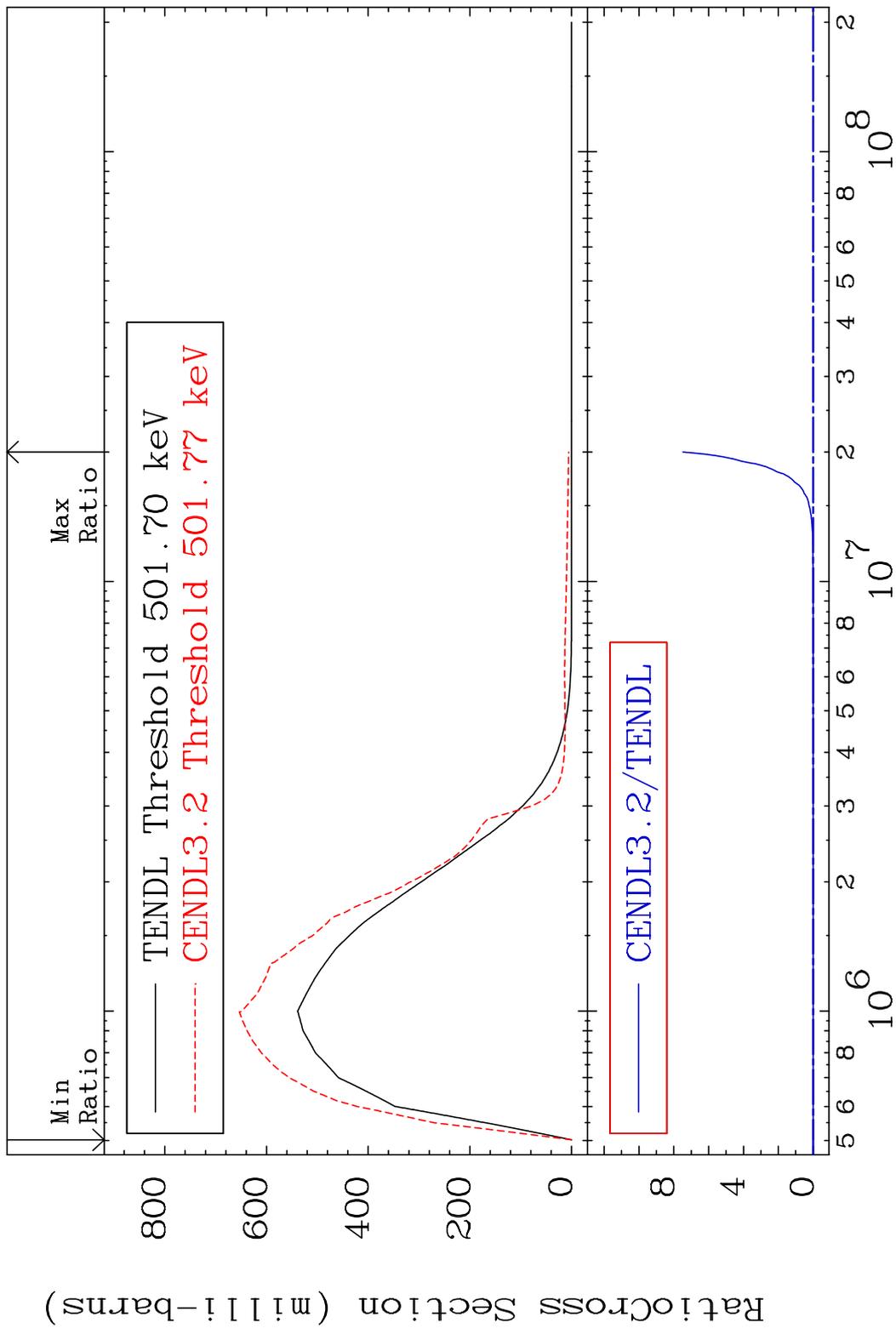


7

Incident Energy (eV)

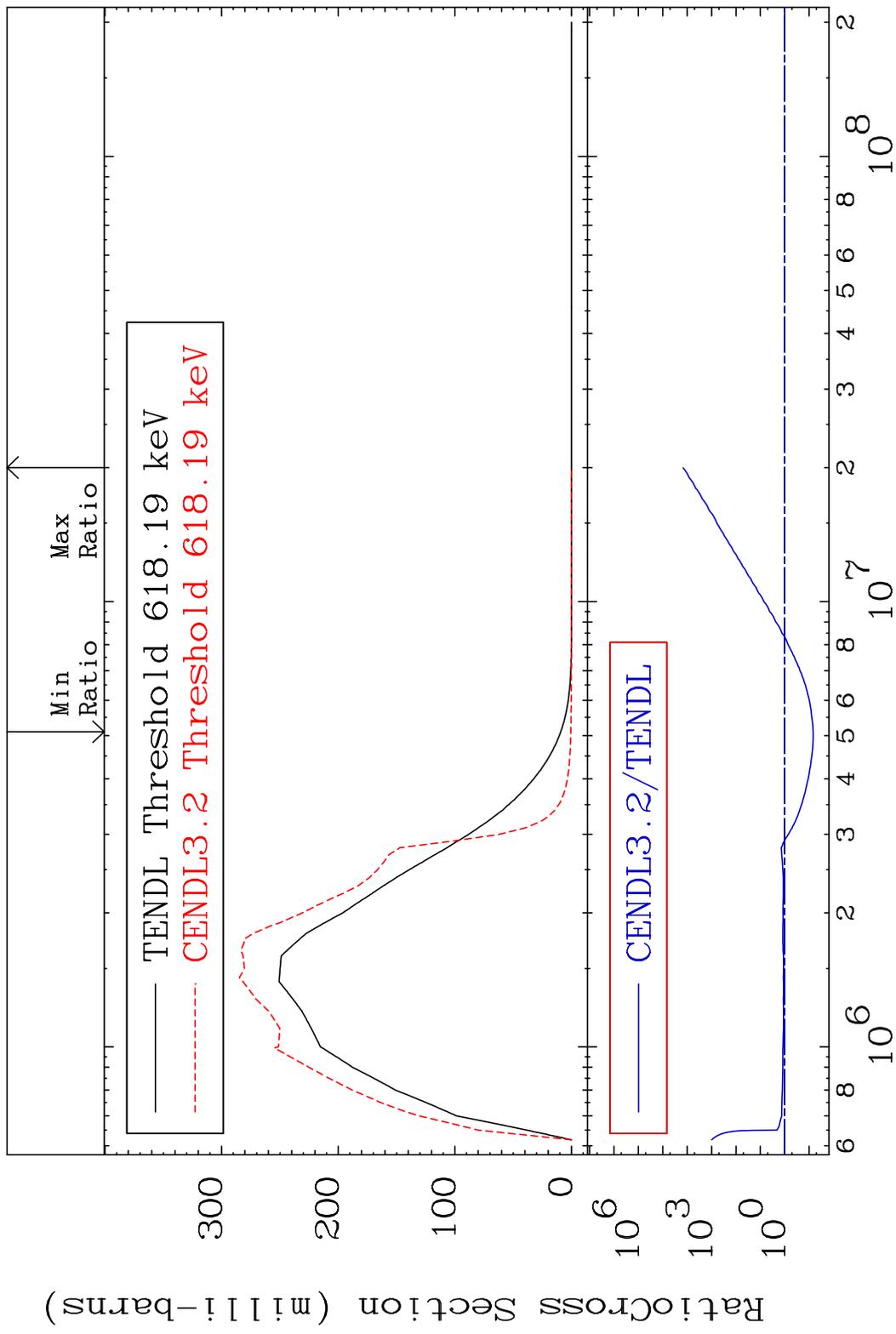
50-Sn-115

MAT 5034 MT= 51 (n, n') Level 50-Sn-115
Cross Section -100.0 To 9999. %



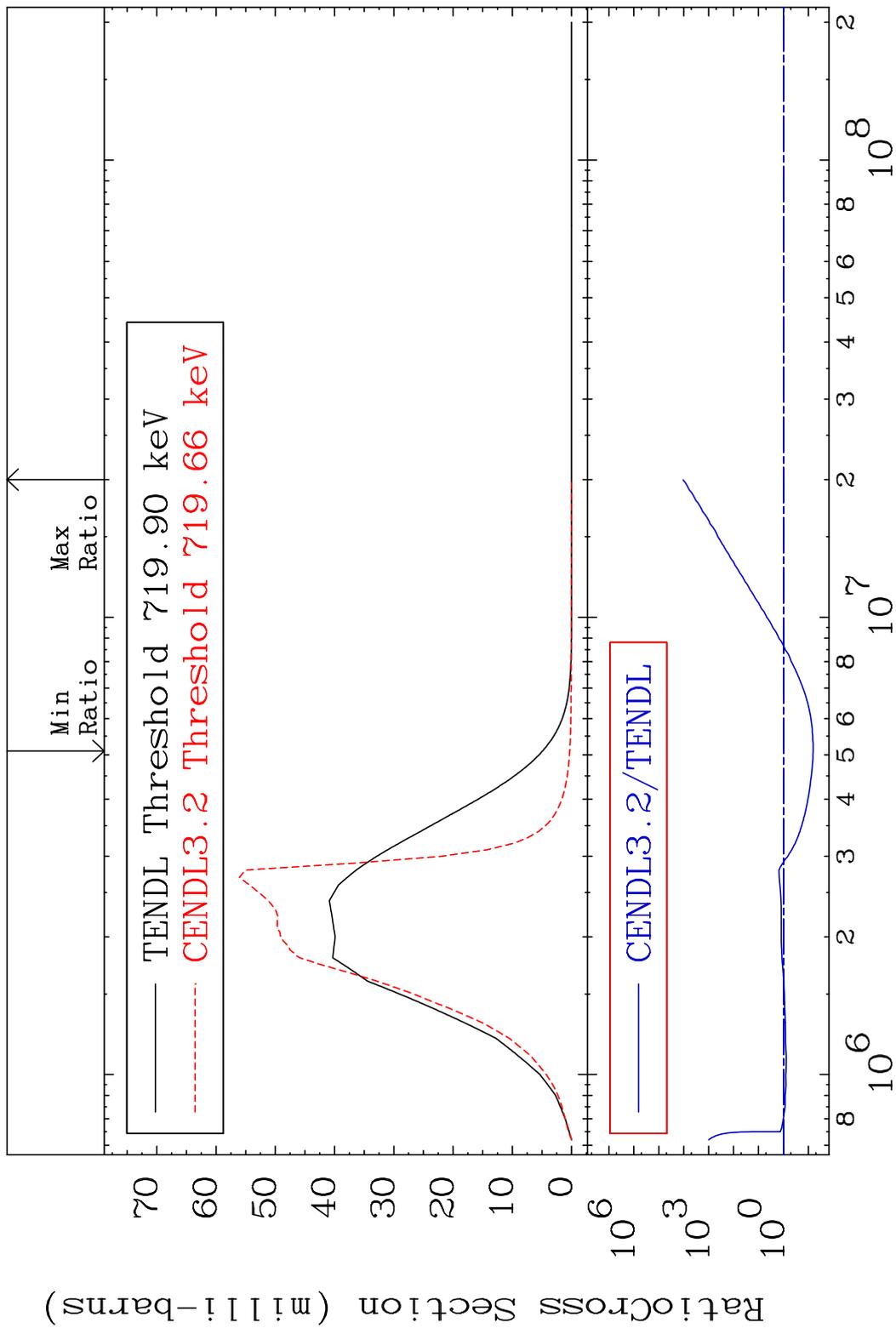
8 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 52 (n, n') Level 50-Sn-115
 Cross Section -93.17 To 9999. %



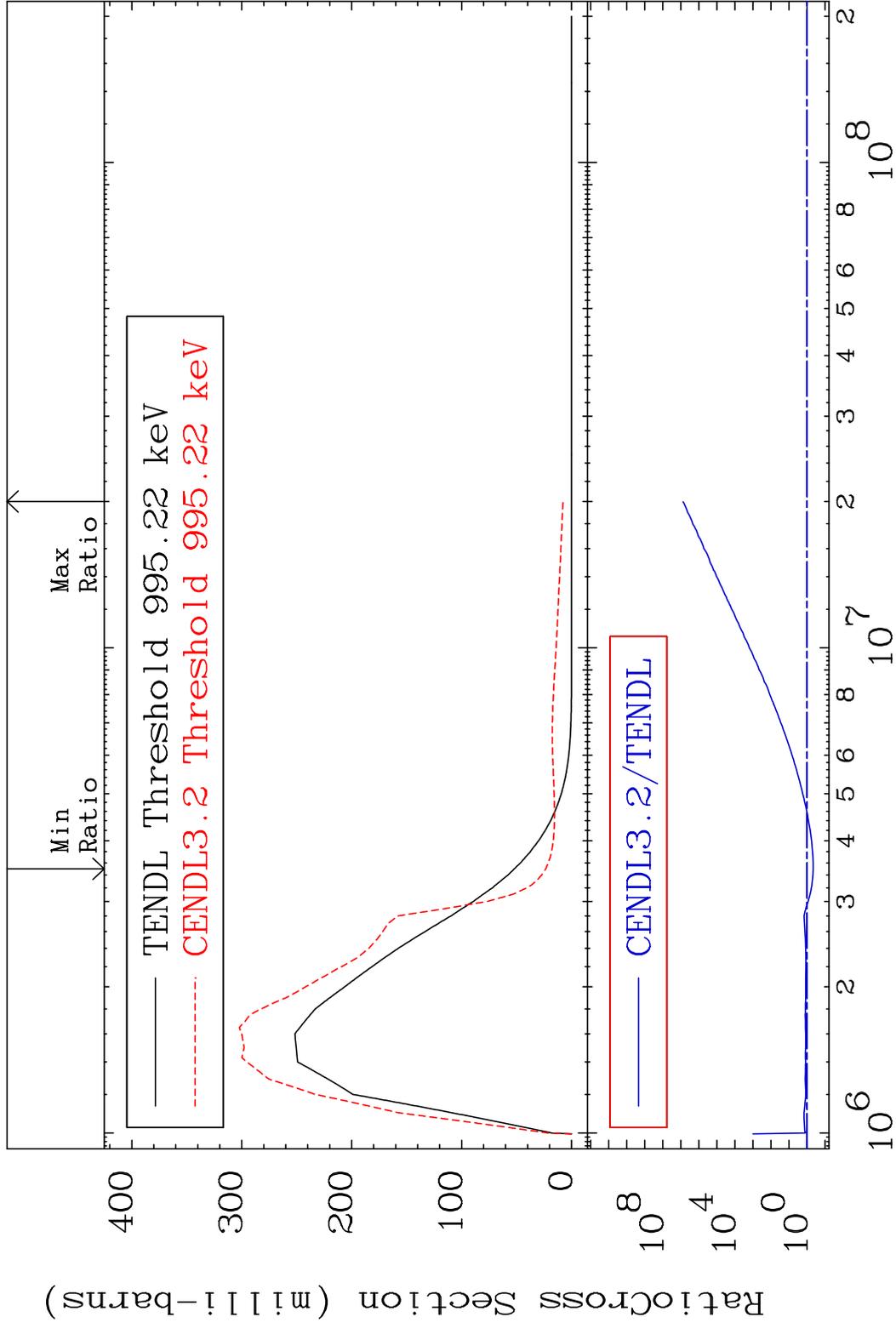
9 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 53 (n, n') Level 50-Sn-115
 Cross Section -93.58 To 9999. %



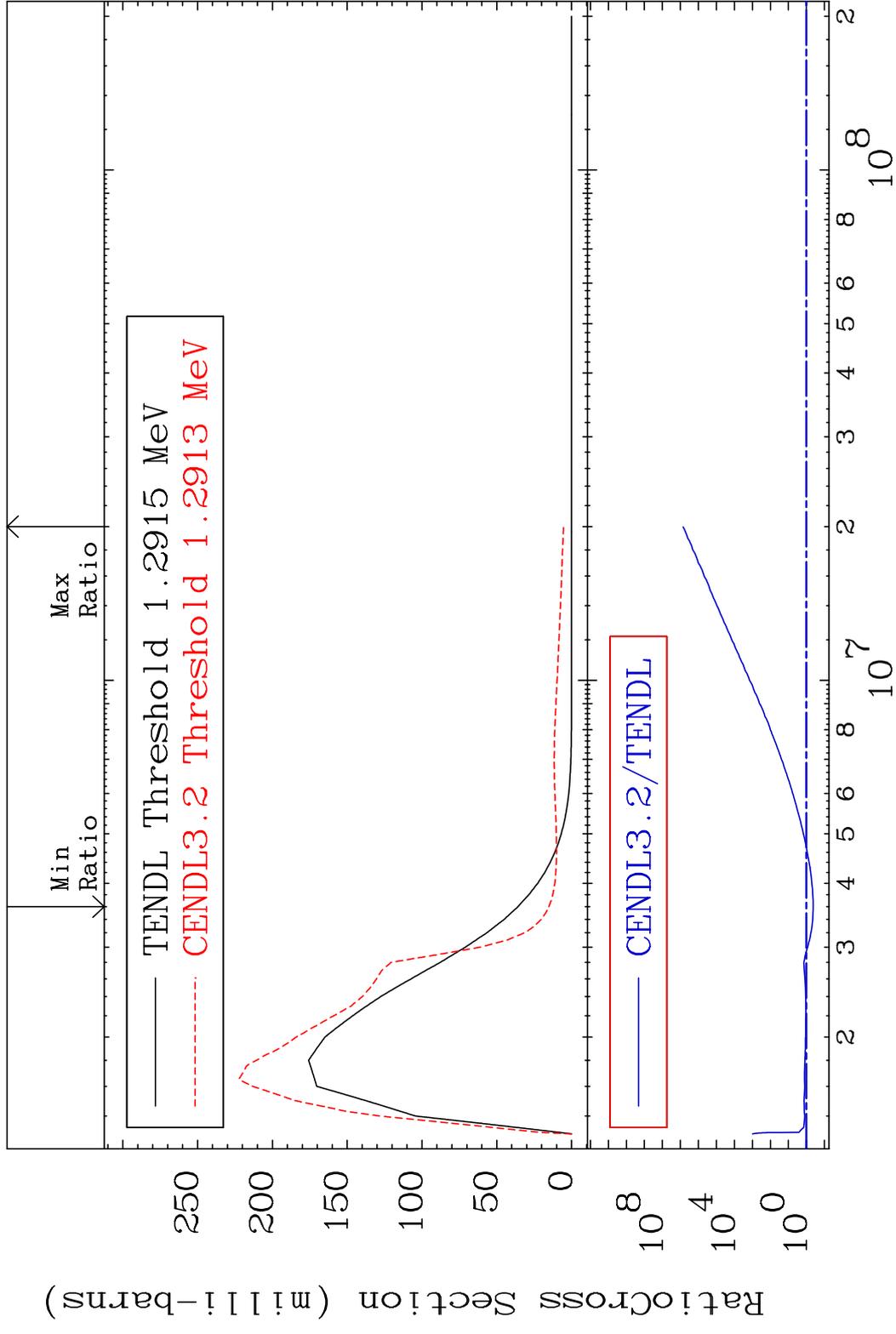
10 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 54 (n, n') Level 50-Sn-115
 Cross Section -54.76 To 9999. %

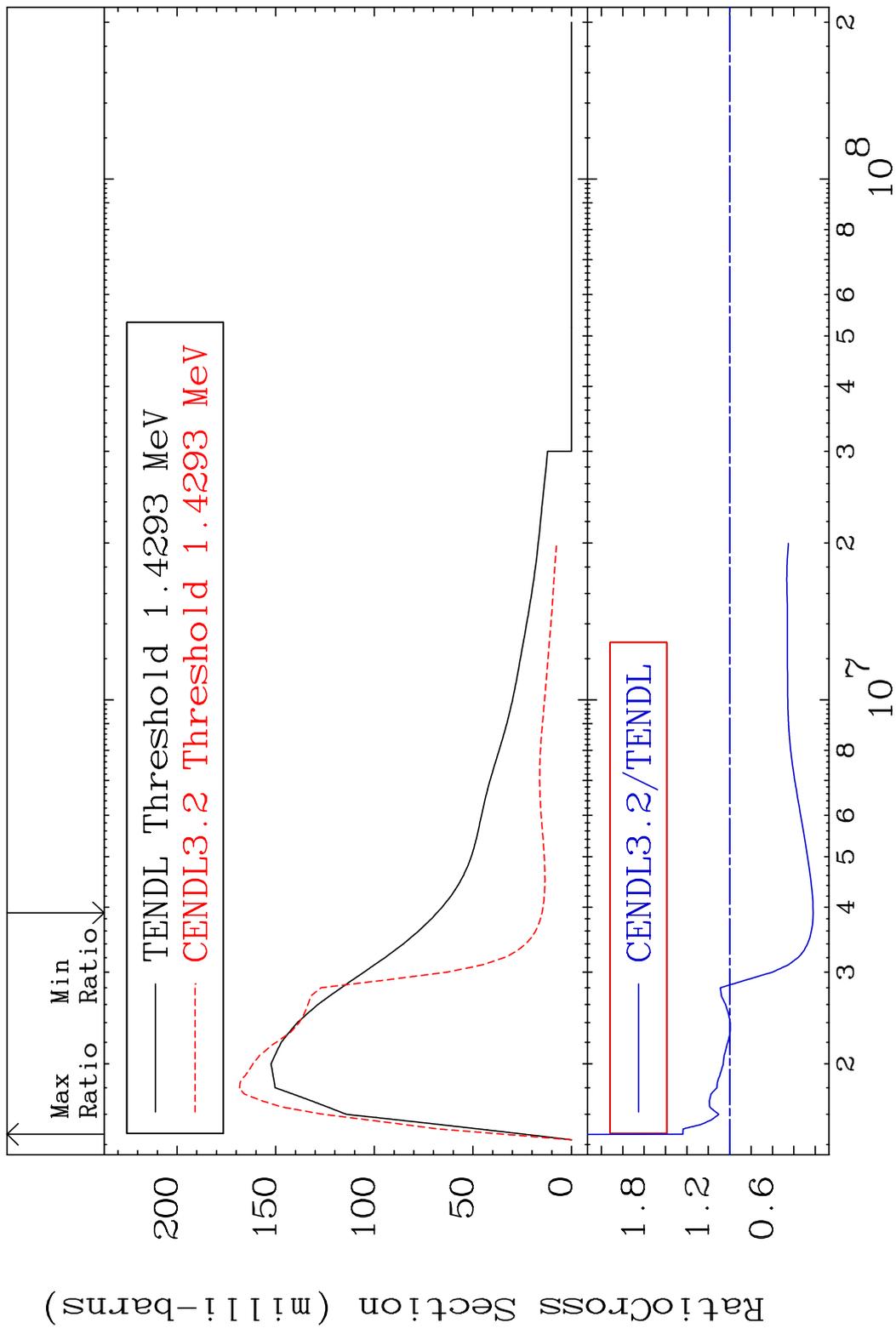


11 Incident Energy (eV) 50-Sn-115

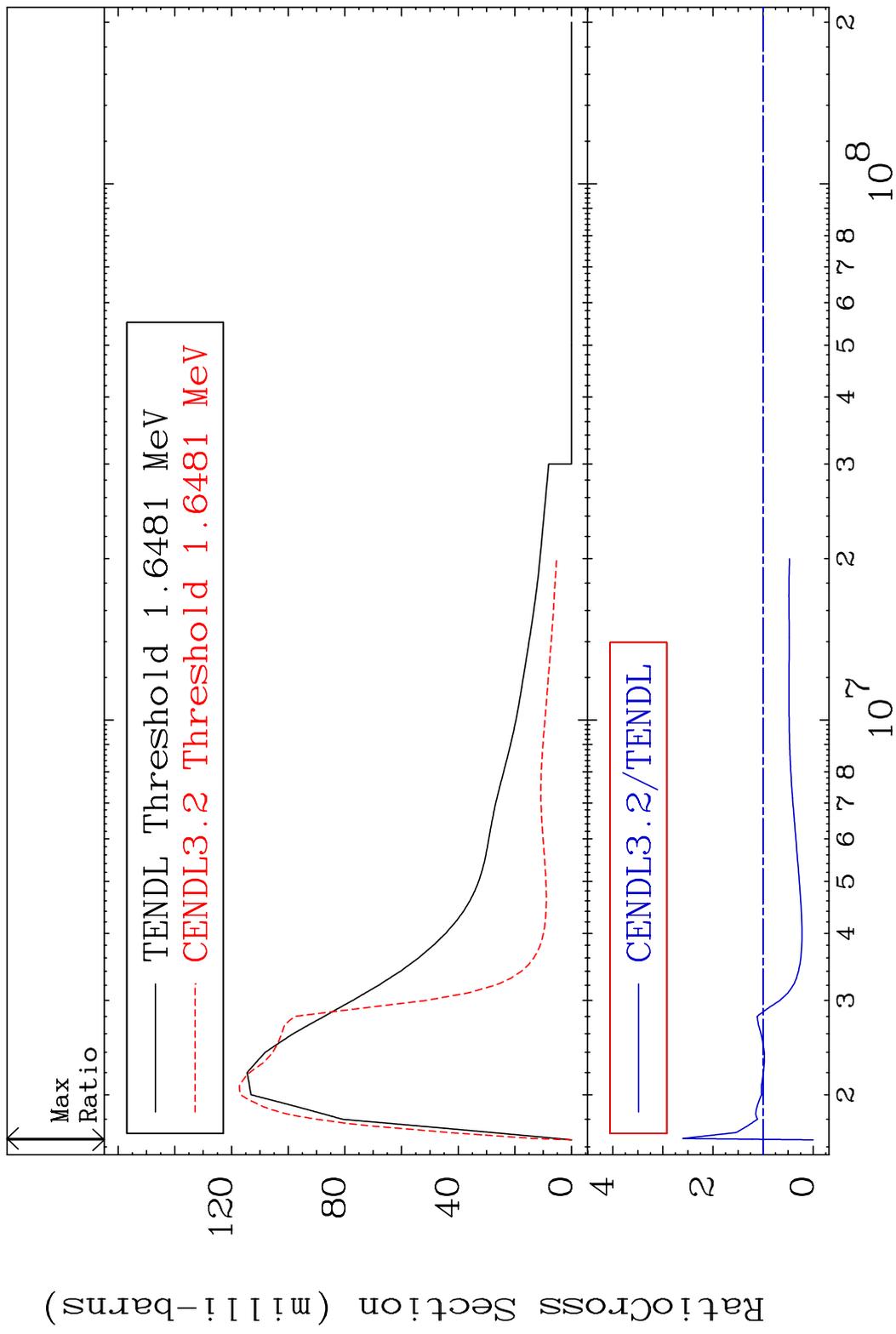
MAT 5034 MT= 55 (n, n') Level 50-Sn-115
 Cross Section -57.65 To 9999. %



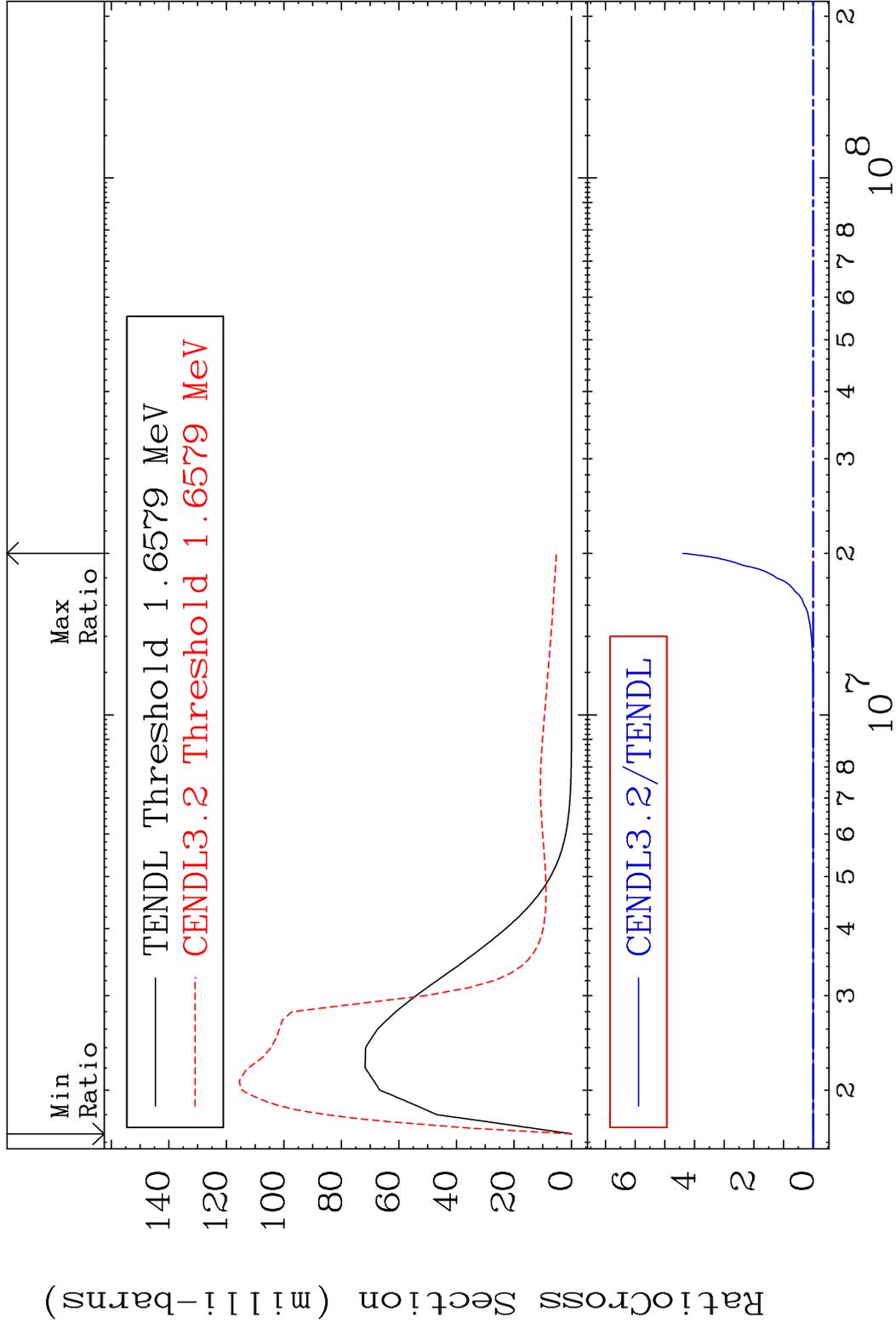
MAT 5034 MT= 56 (n,n') Level 50-Sn-115
 Cross Section -78.04 To 43.81 %



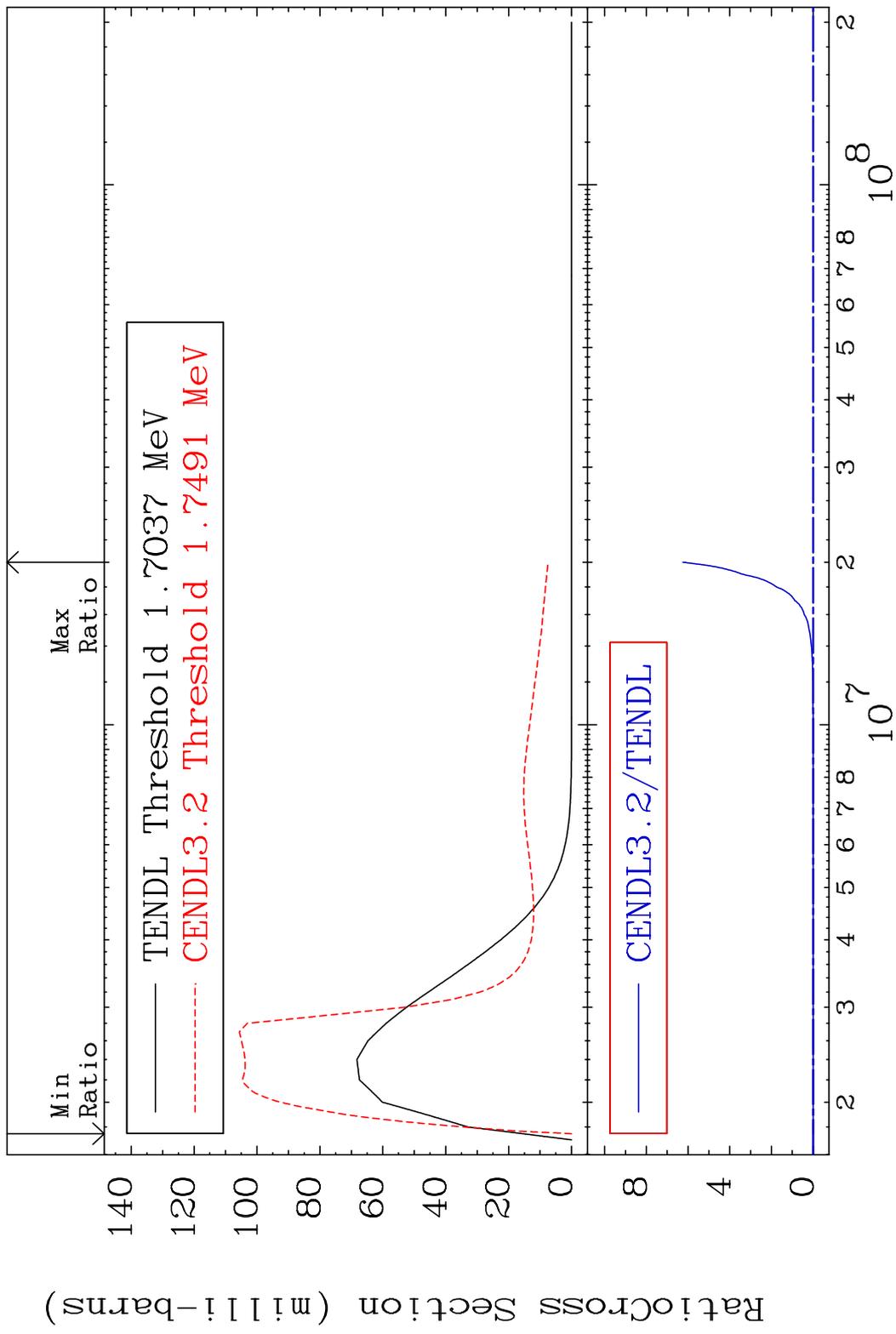
MAT 5034 MT= 57 (n,n') Level 50-Sn-115
 Cross Section -100.0 To 160.2 %



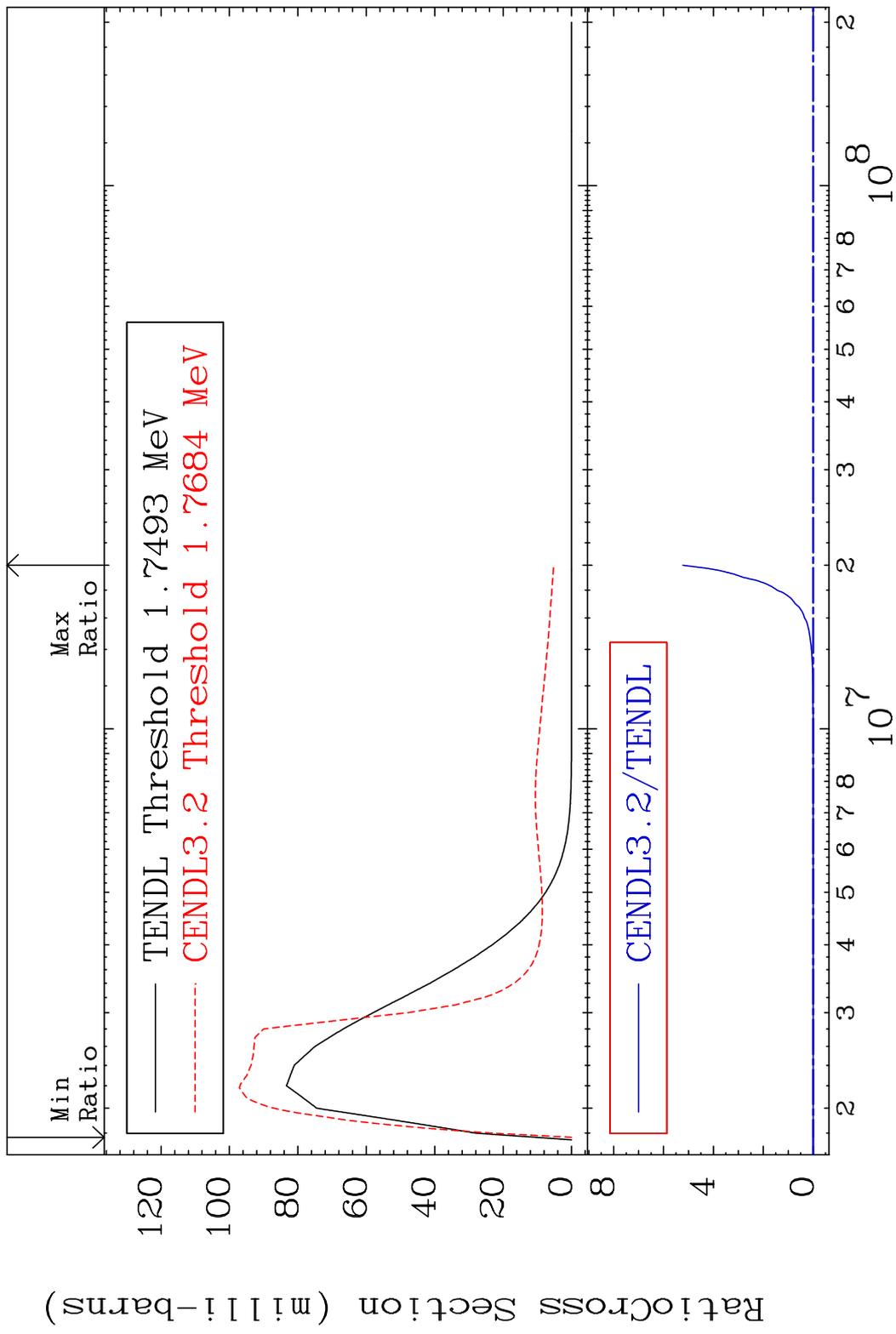
MAT 5034 MT= 58 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



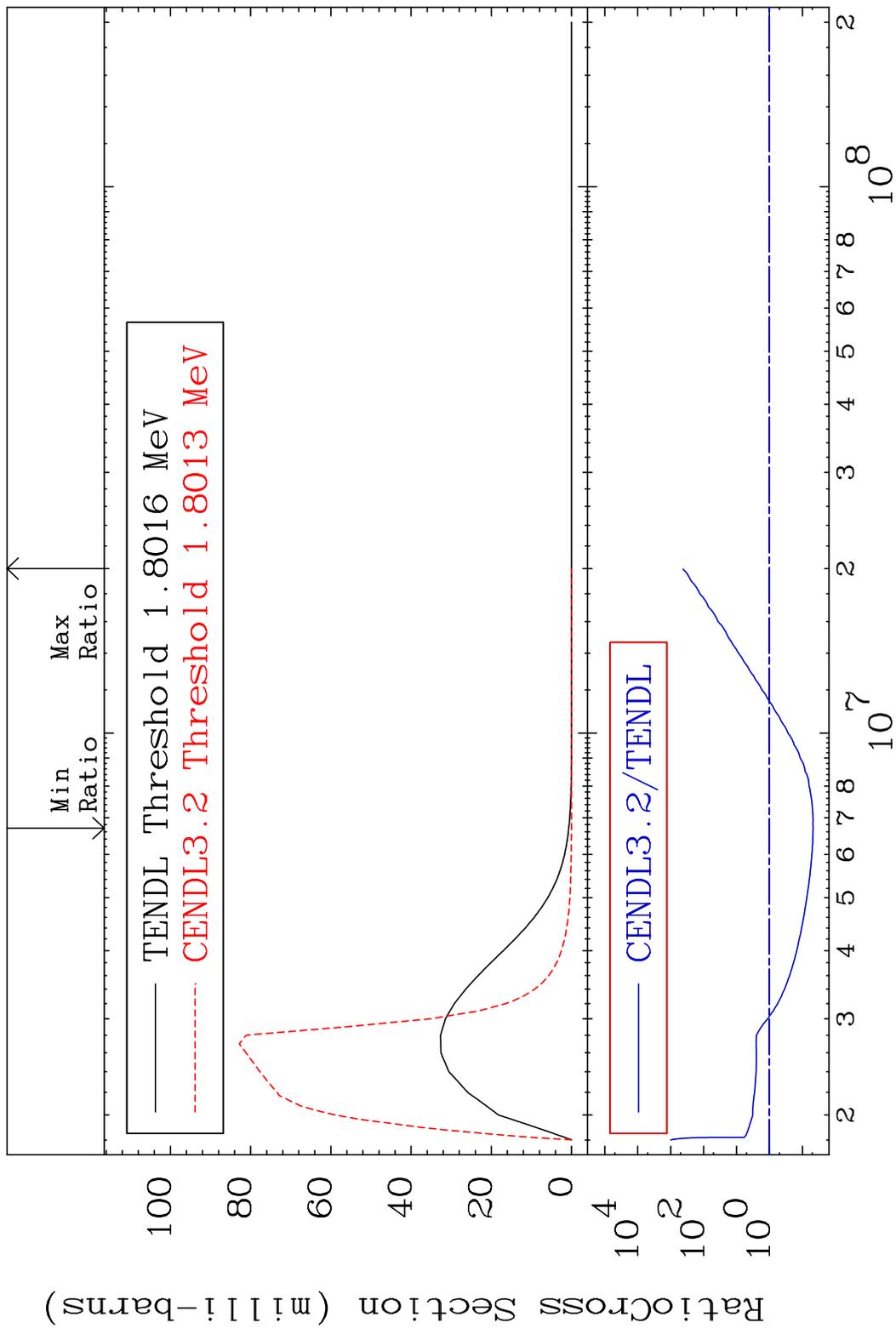
MAT 5034 MT= 59 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 60 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

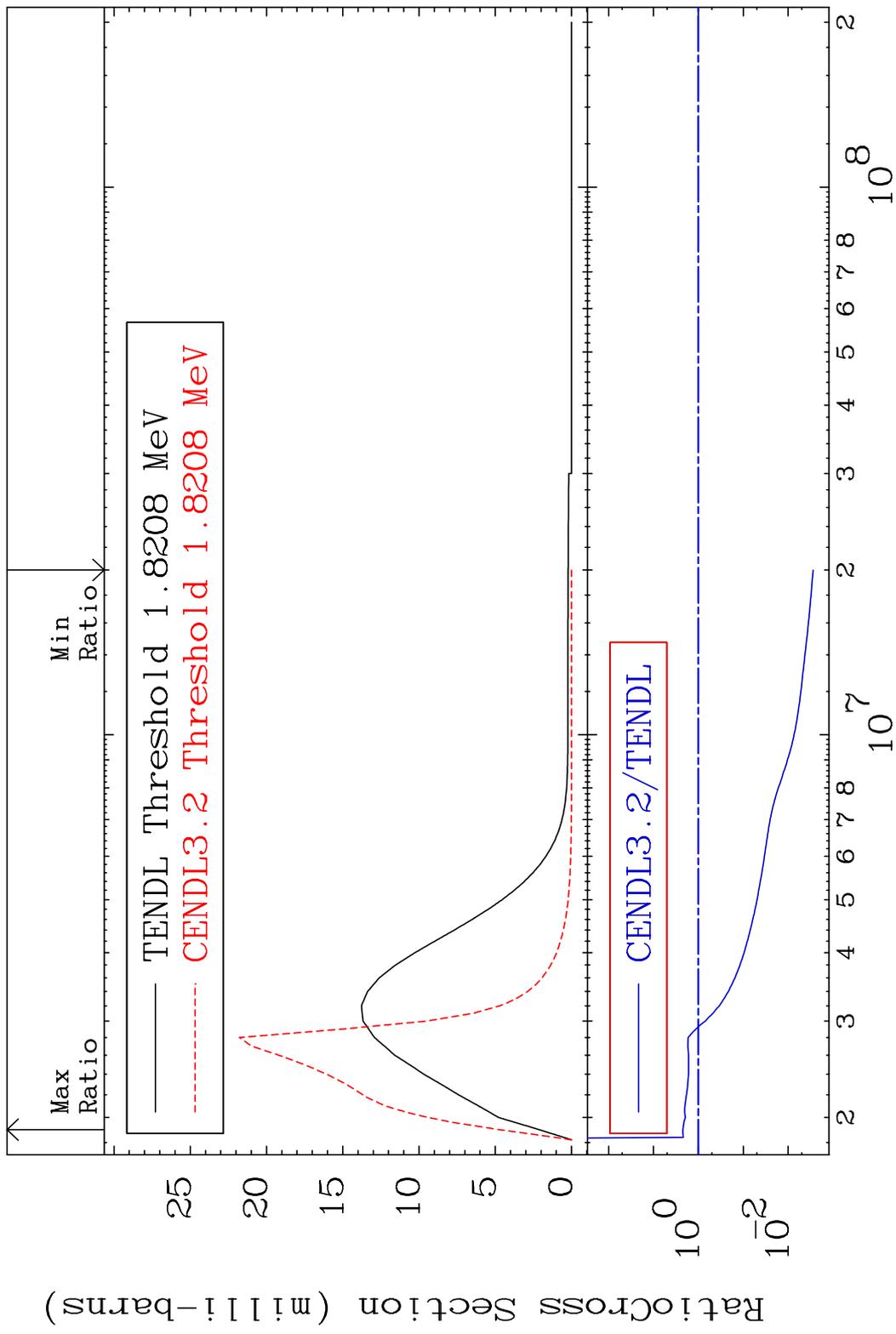


MAT 5034 MT= 61 (n, n') Level 50-Sn-115
 Cross Section -95.29 To 9999. %



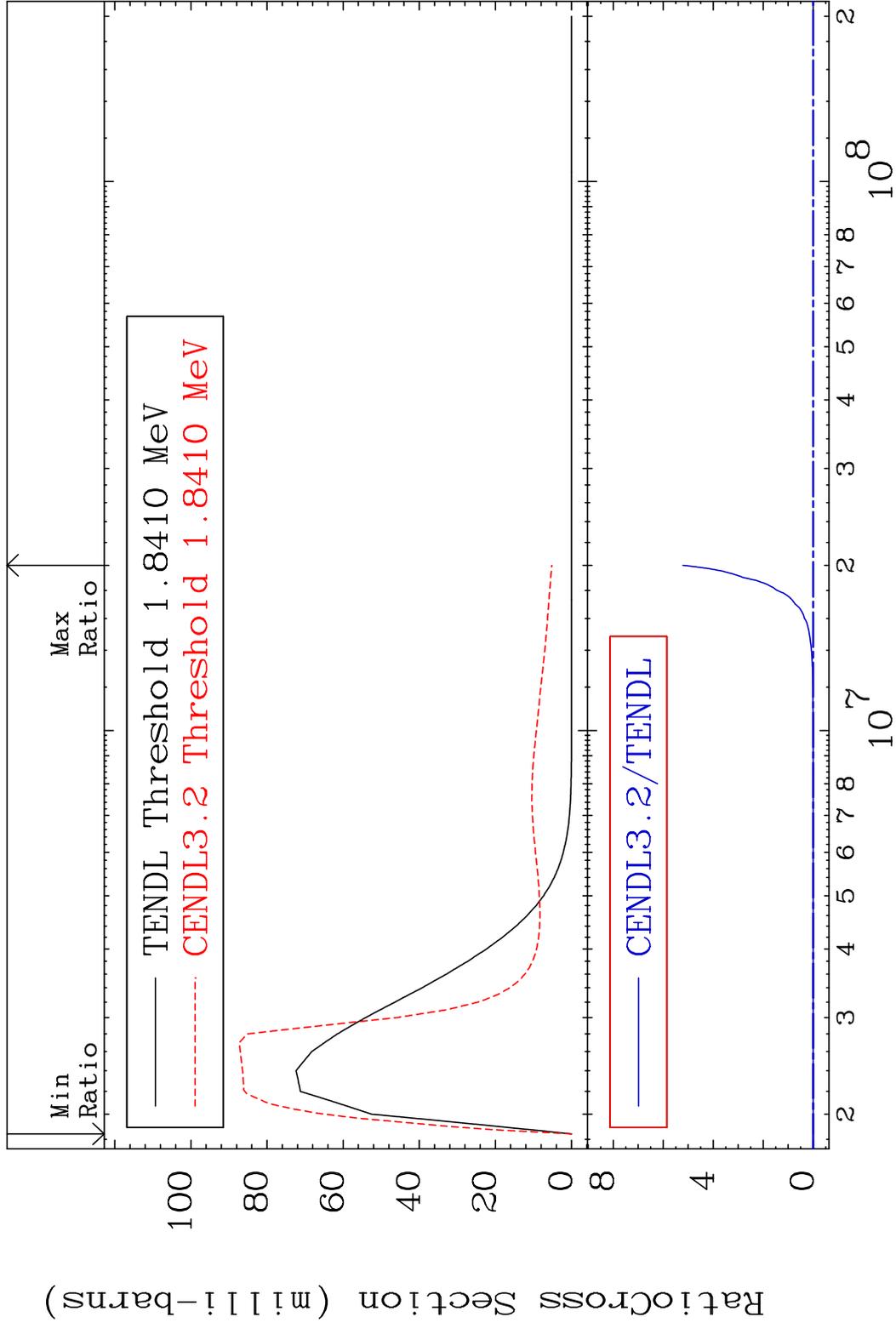
18 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 62 (n, n') Level 50-Sn-115
 Cross Section -99.72 To 122.2 %



19 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 63 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

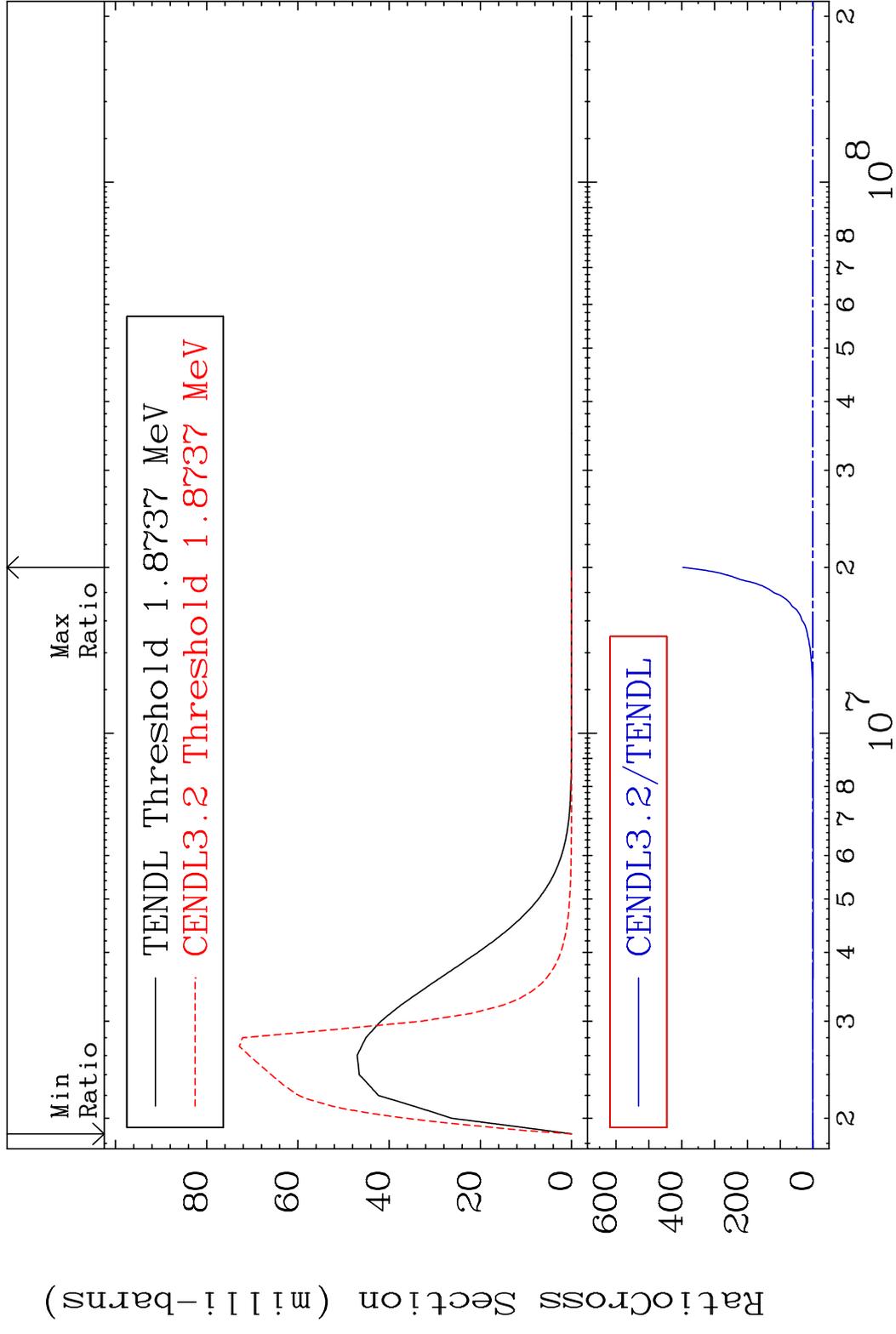


20

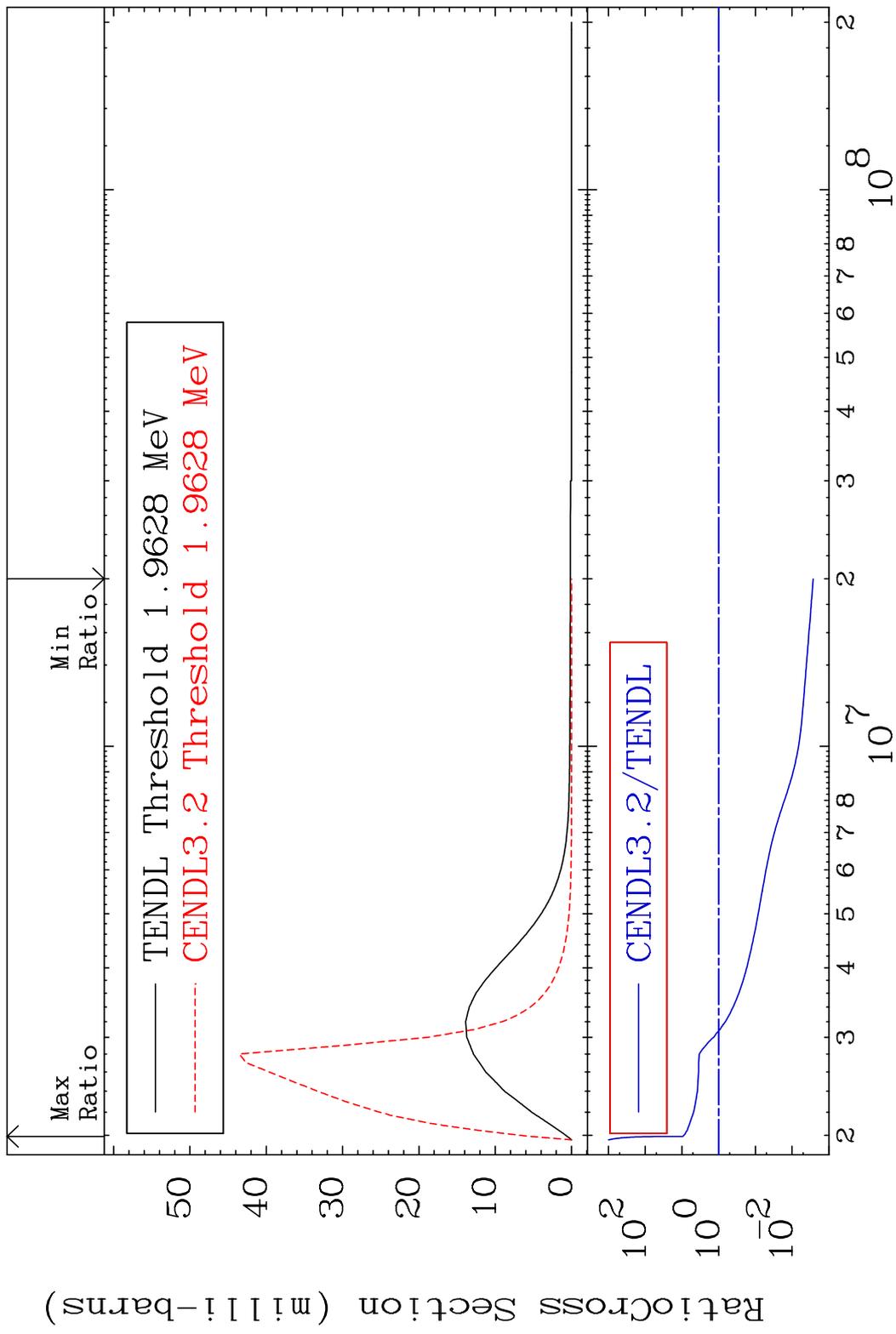
Incident Energy (eV)

50-Sn-115

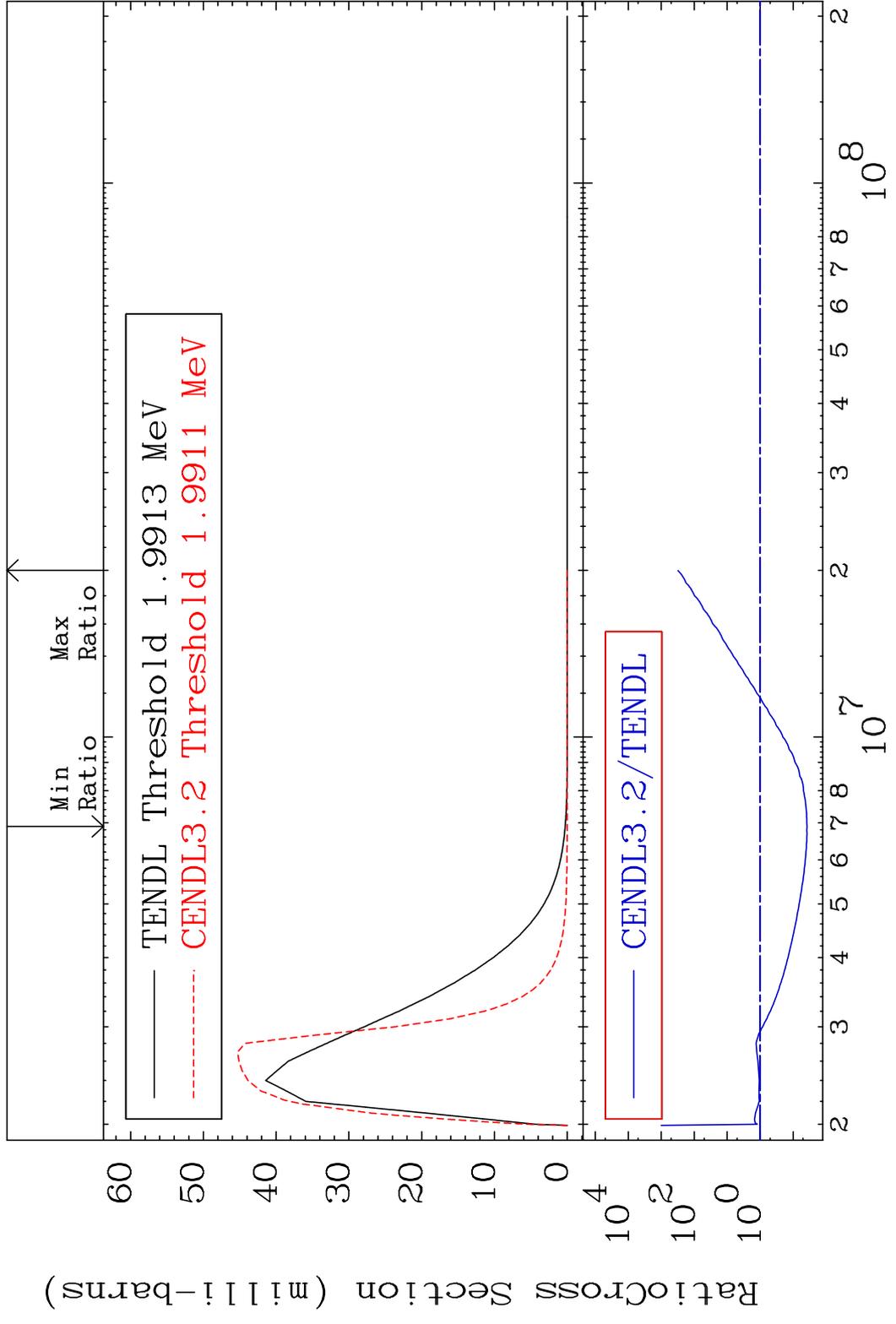
MAT 5034 MT= 64 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



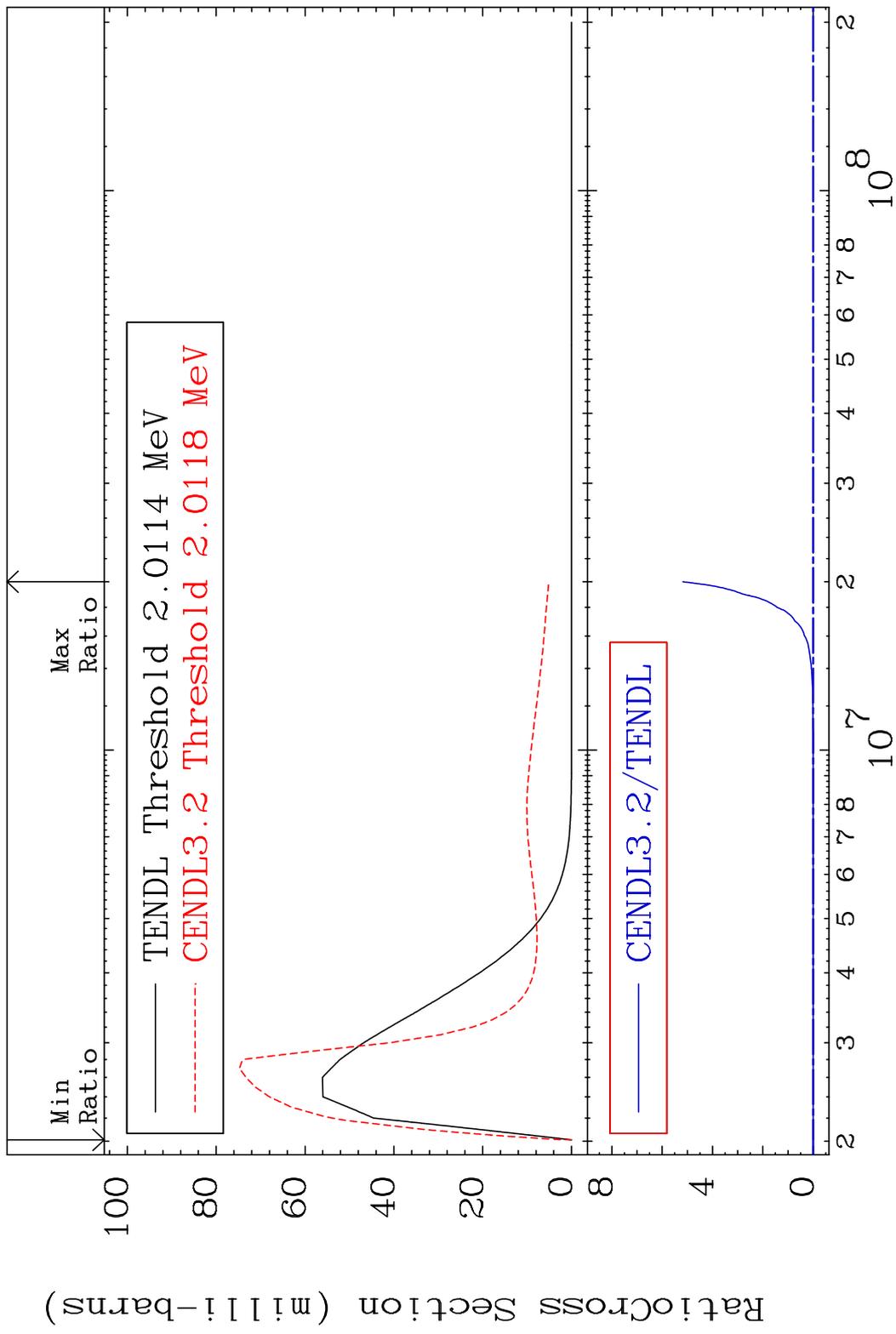
MAT 5034 MT= 65 (n, n') Level 50-Sn-115
 Cross Section -99.73 To 846.5 %



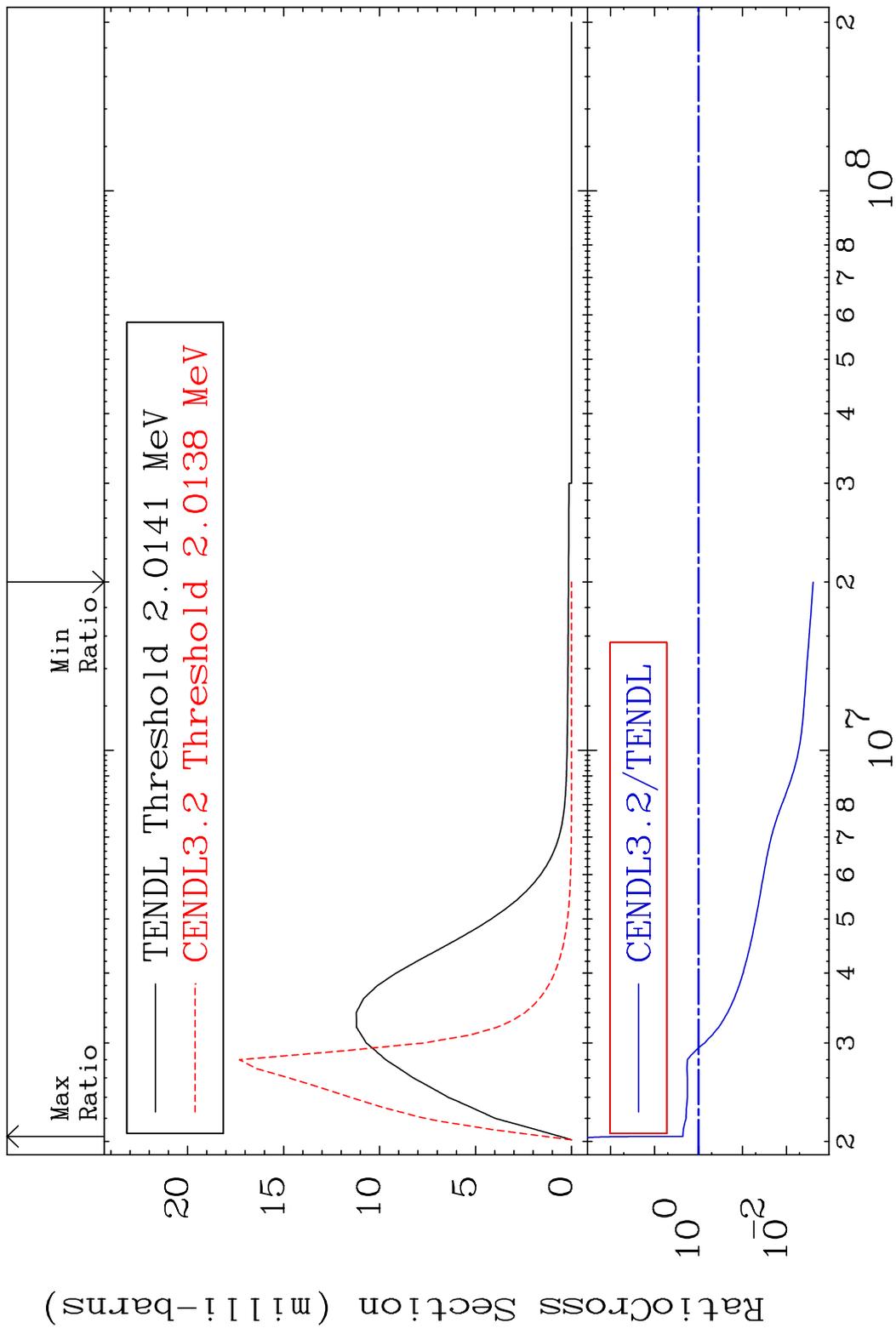
MAT 5034 MT= 66 (n, n') Level 50-Sn-115
 Cross Section -96.20 To 9999. %



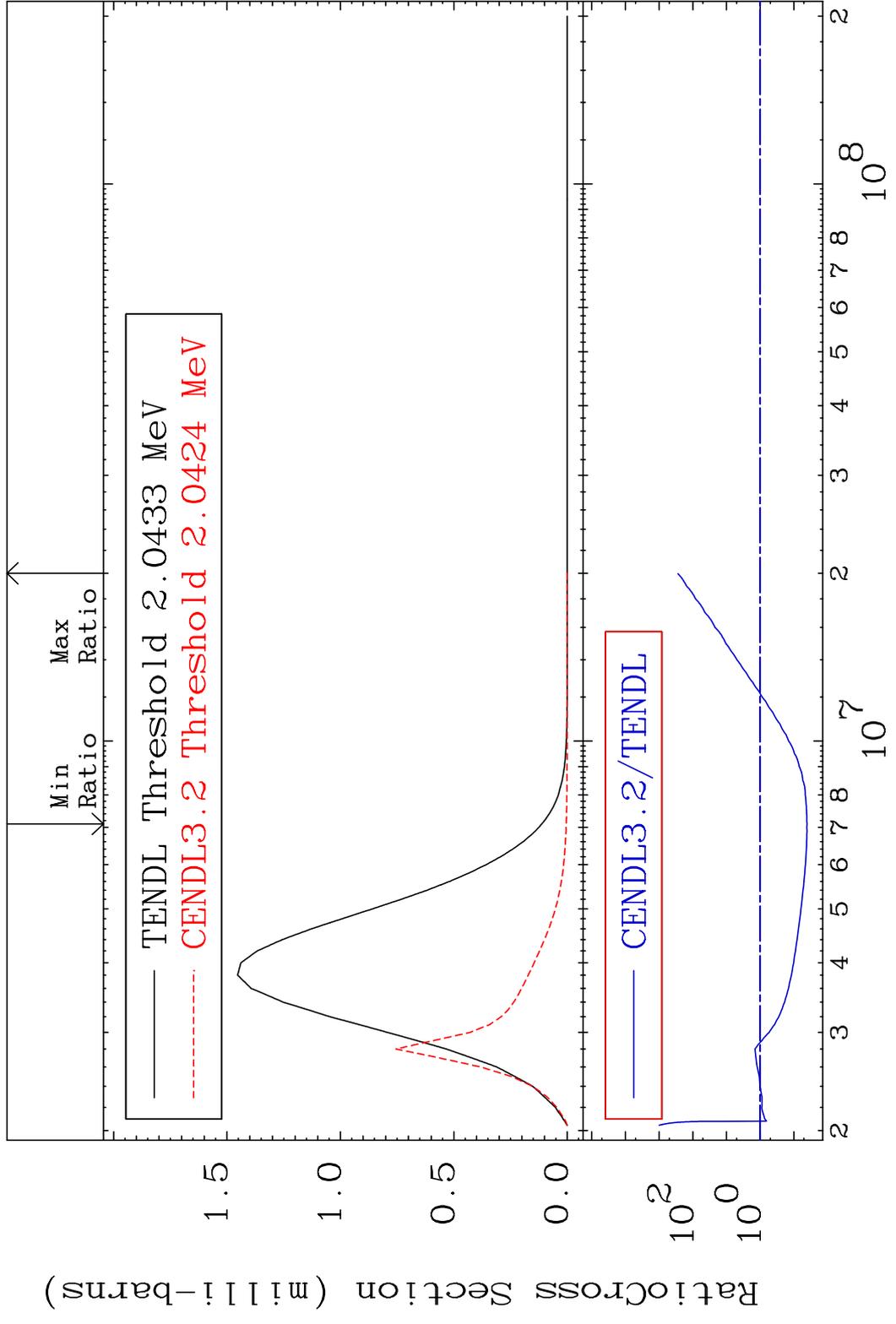
MAT 5034 MT= 67 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



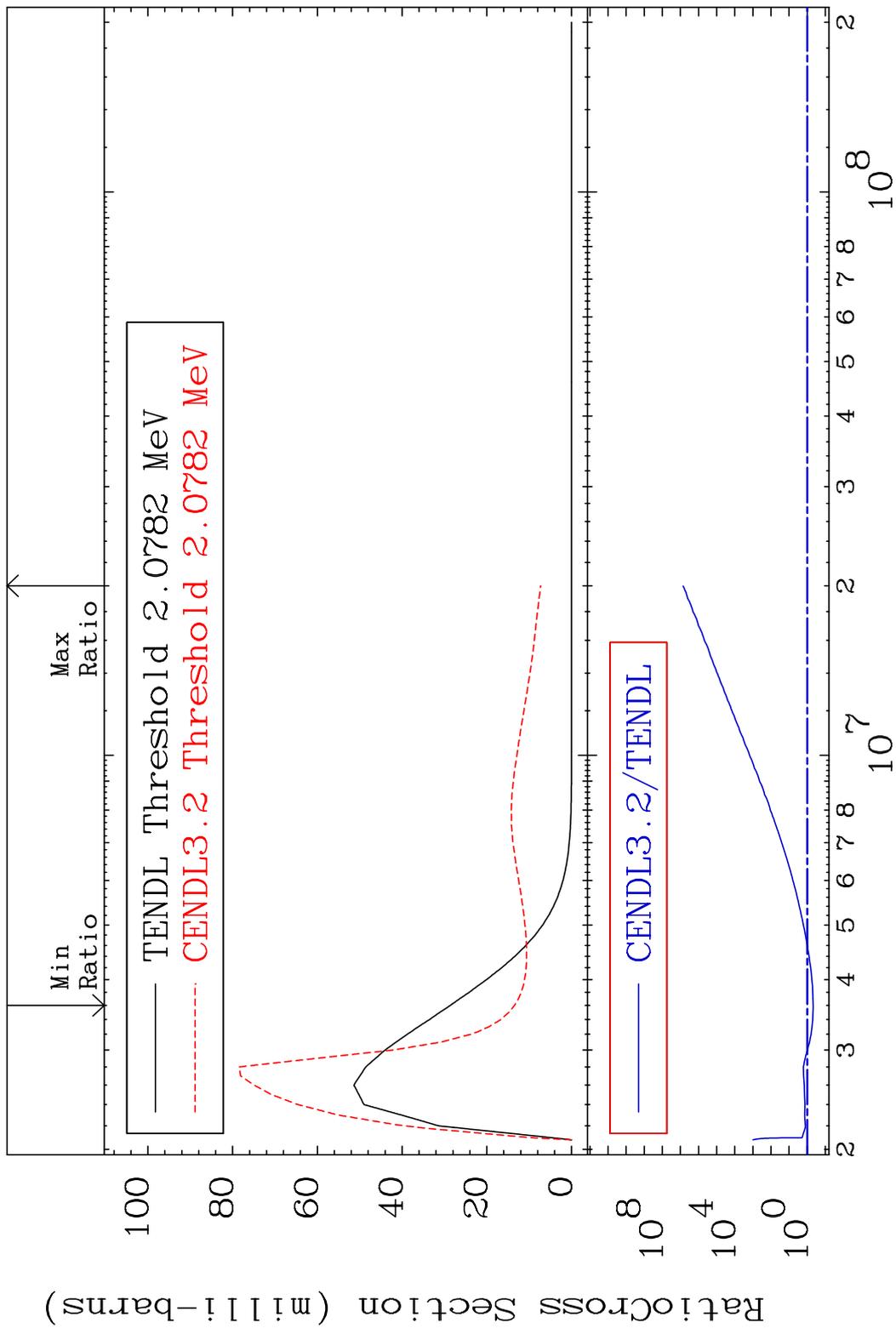
MAT 5034 MT= 68 (n, n') Level 50-Sn-115
 Cross Section -99.75 To 127.3 %



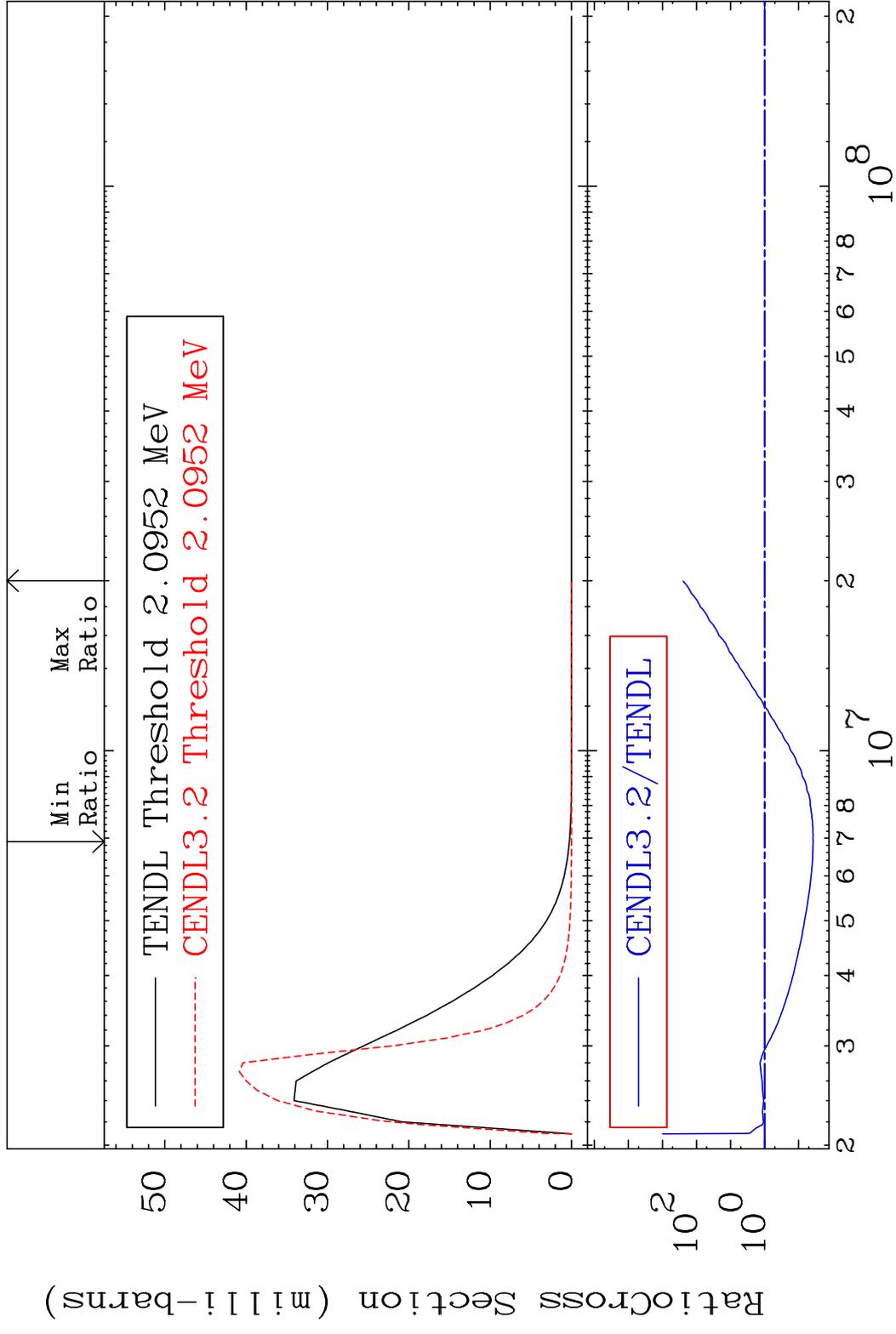
MAT 5034 MT= 69 (n, n') Level 50-Sn-115
 Cross Section -95.94 To 9999. %



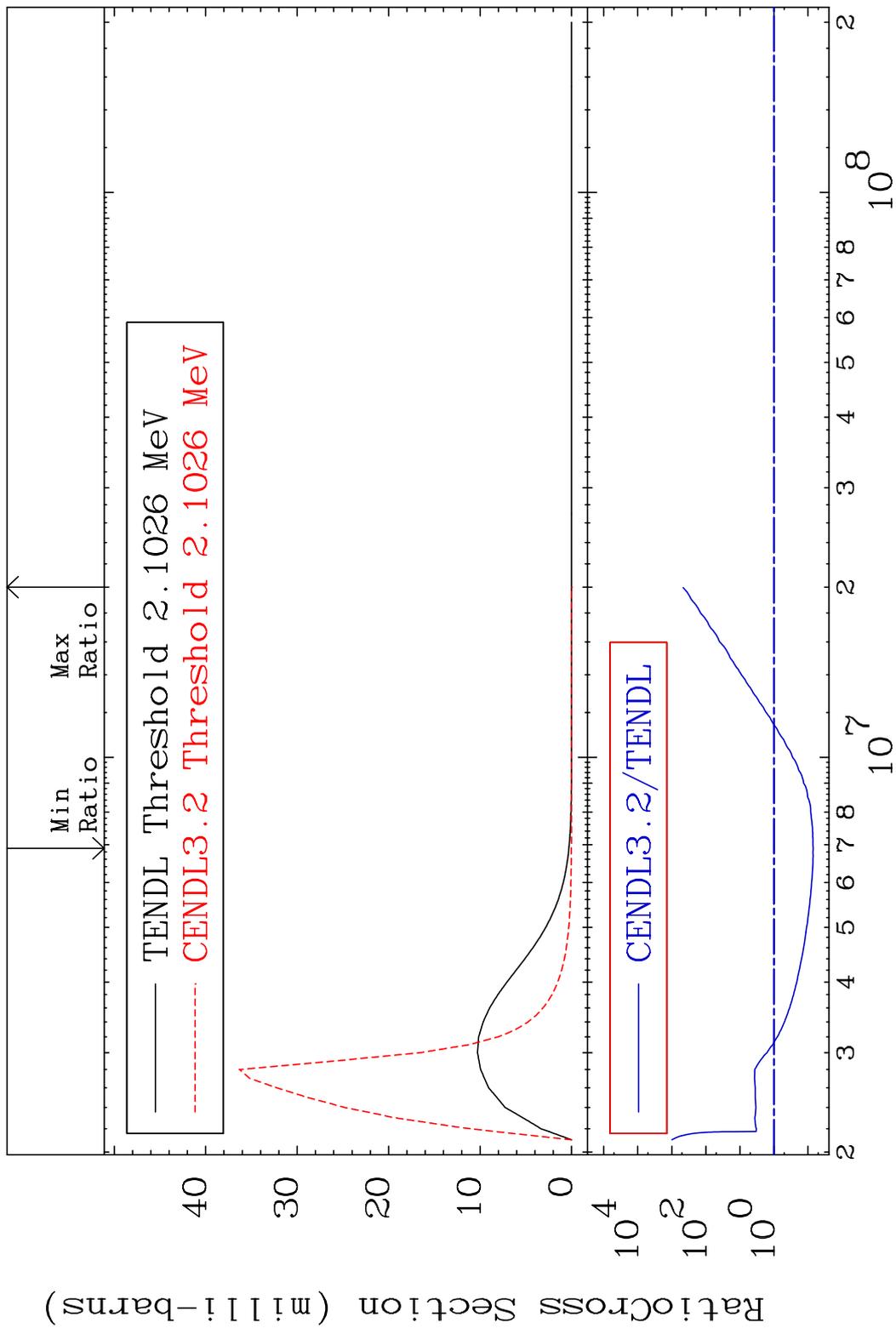
MAT 5034 MT= 70 (n, n') Level 50-Sn-115
 Cross Section -53.00 To 9999. %



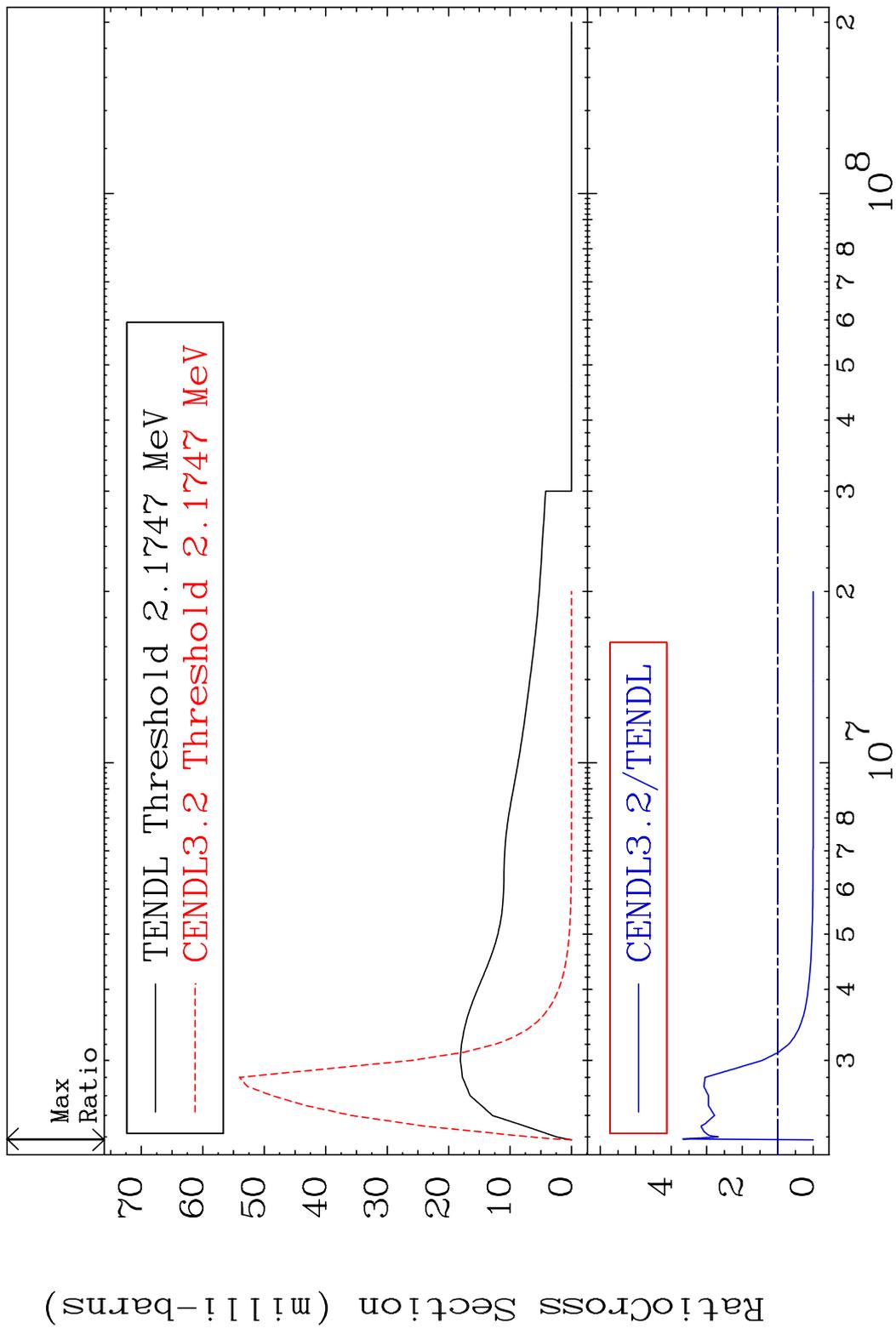
MAT 5034 MT= 71 (n, n') Level 50-Sn-115
 Cross Section -96.28 To 9999. %



MAT 5034 MT= 72 (n, n') Level 50-Sn-115
 Cross Section -92.92 To 9999. %

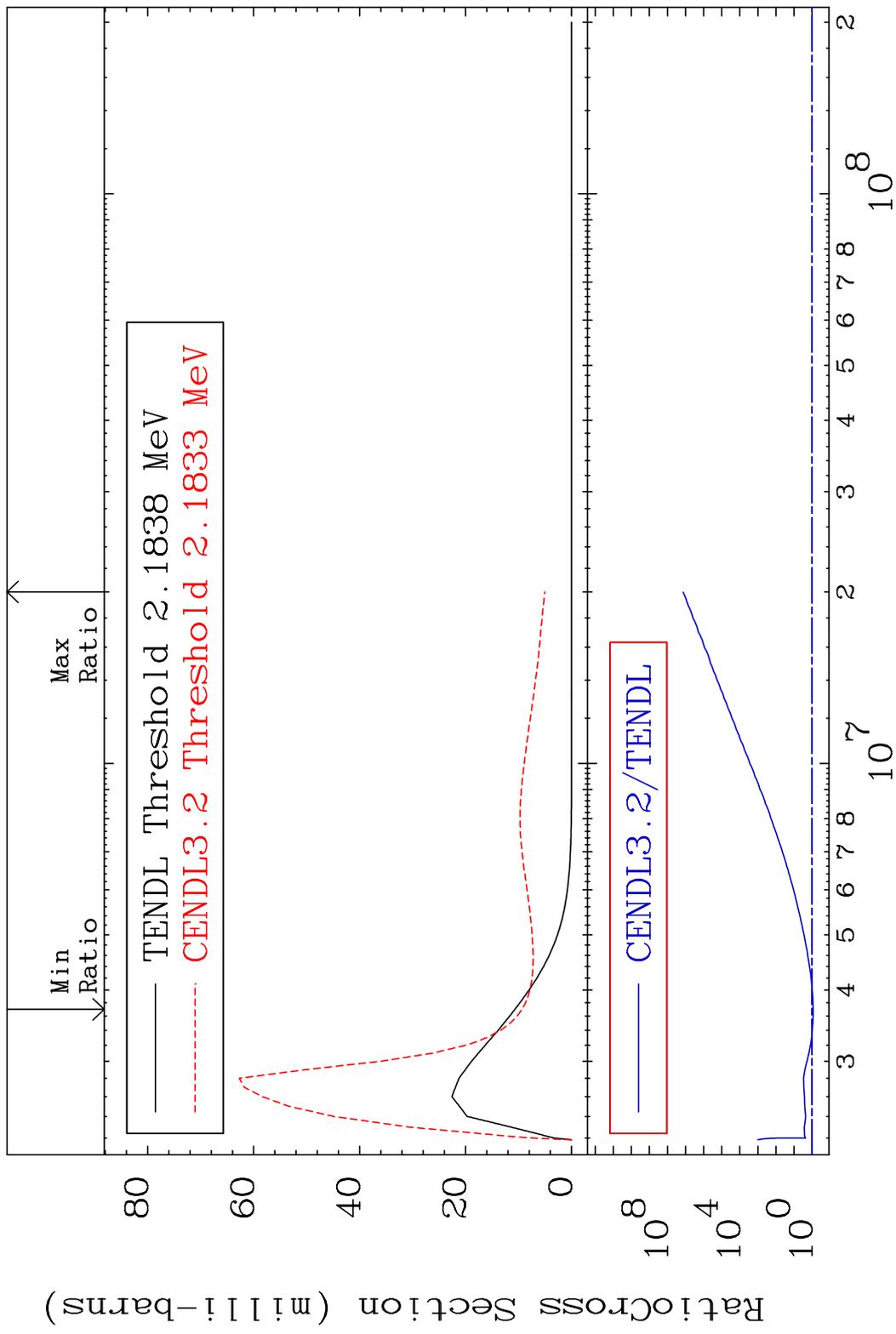


MAT 5034 MT= 73 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 267.2 %

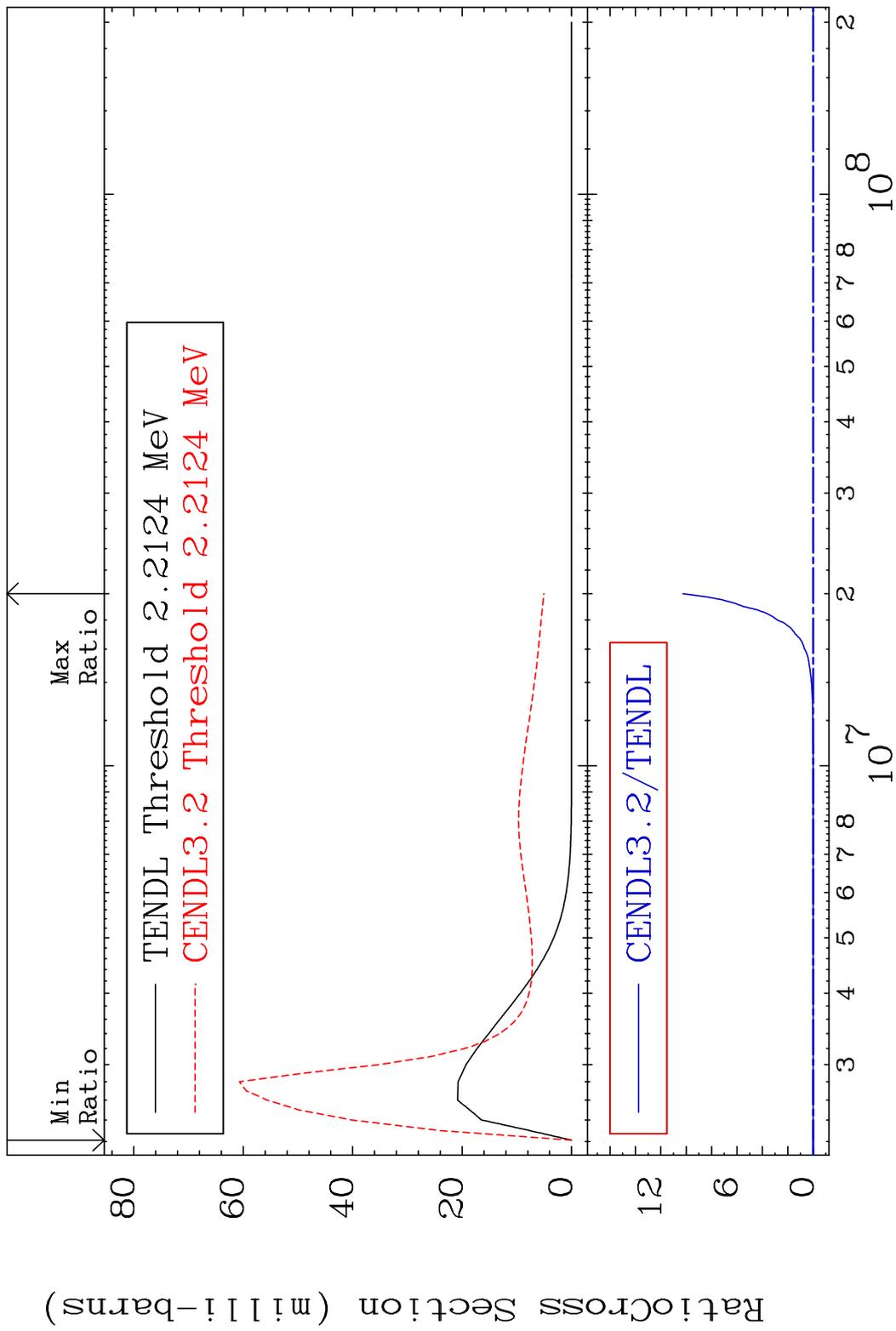


30 50-Sn-115

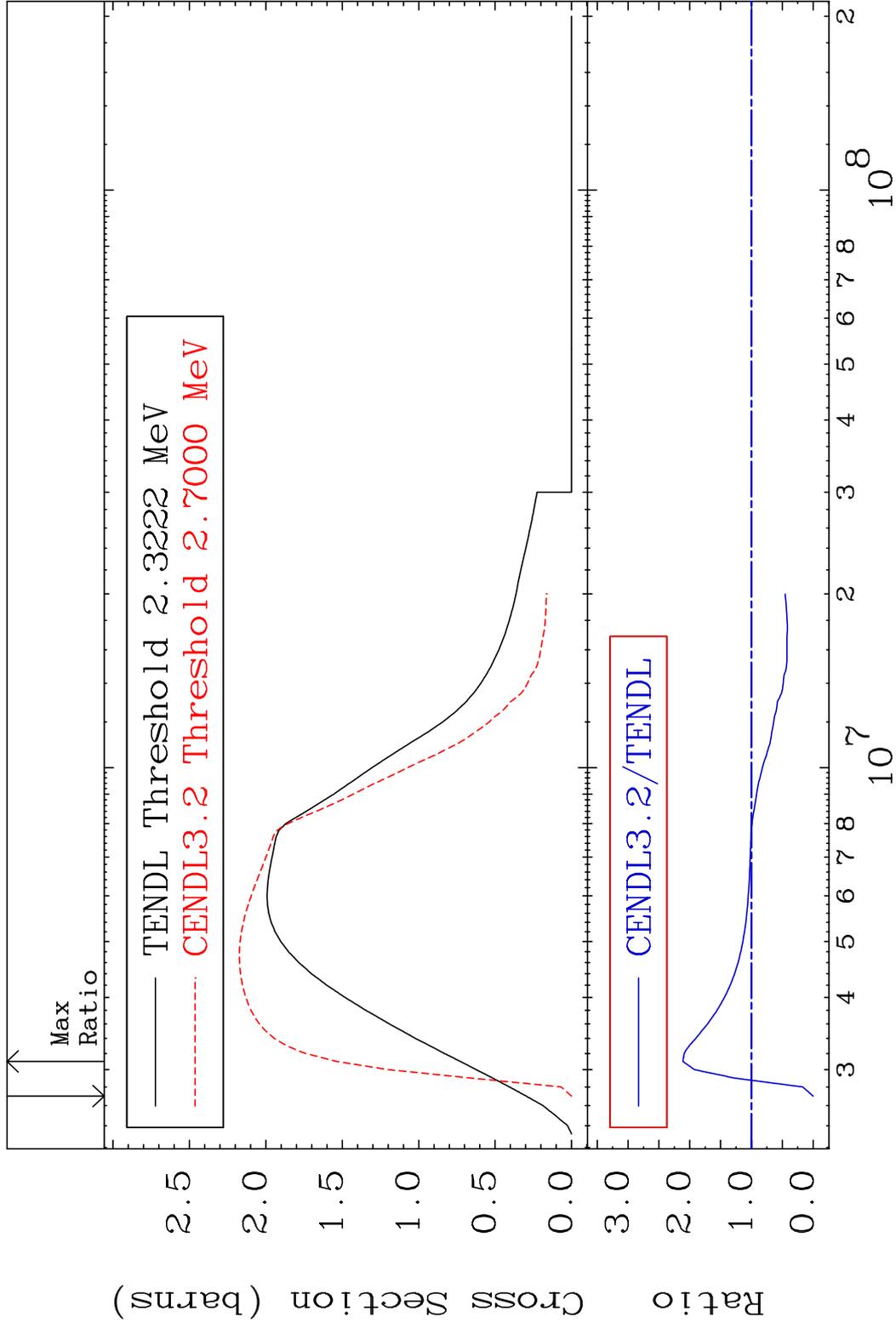
MAT 5034 MT= 74 (n, n') Level 50-Sn-115
 Cross Section -12.71 To 9999. %



MAT 5034 MT= 75 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

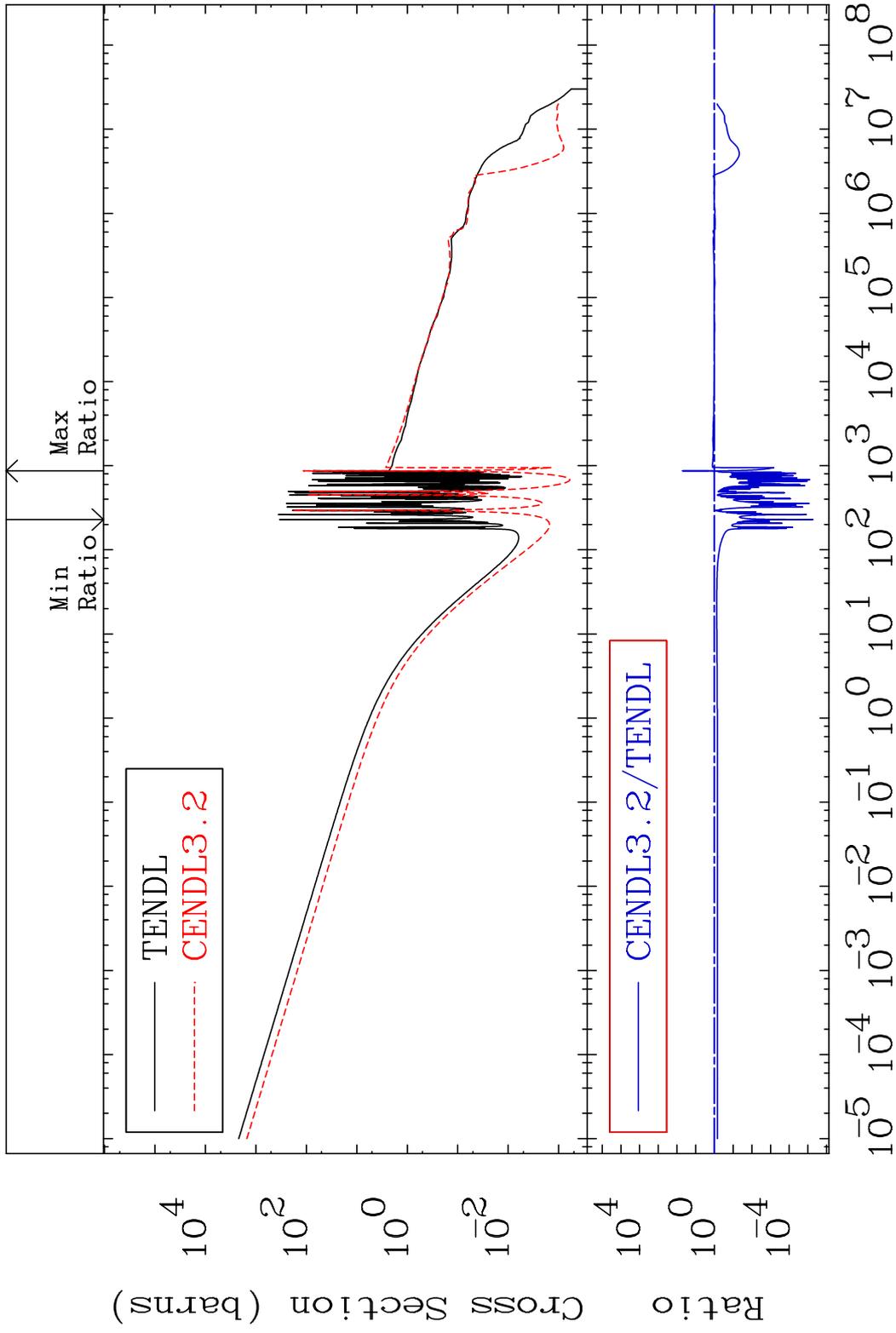


MAT 5034 (n, n') Continuum 50-Sn-115
 Cross Section -100.0 To 111.2 %



MAT 5034

(n, γ)
Cross Section -100.0 To 4900. %



34

Incident Energy (eV)

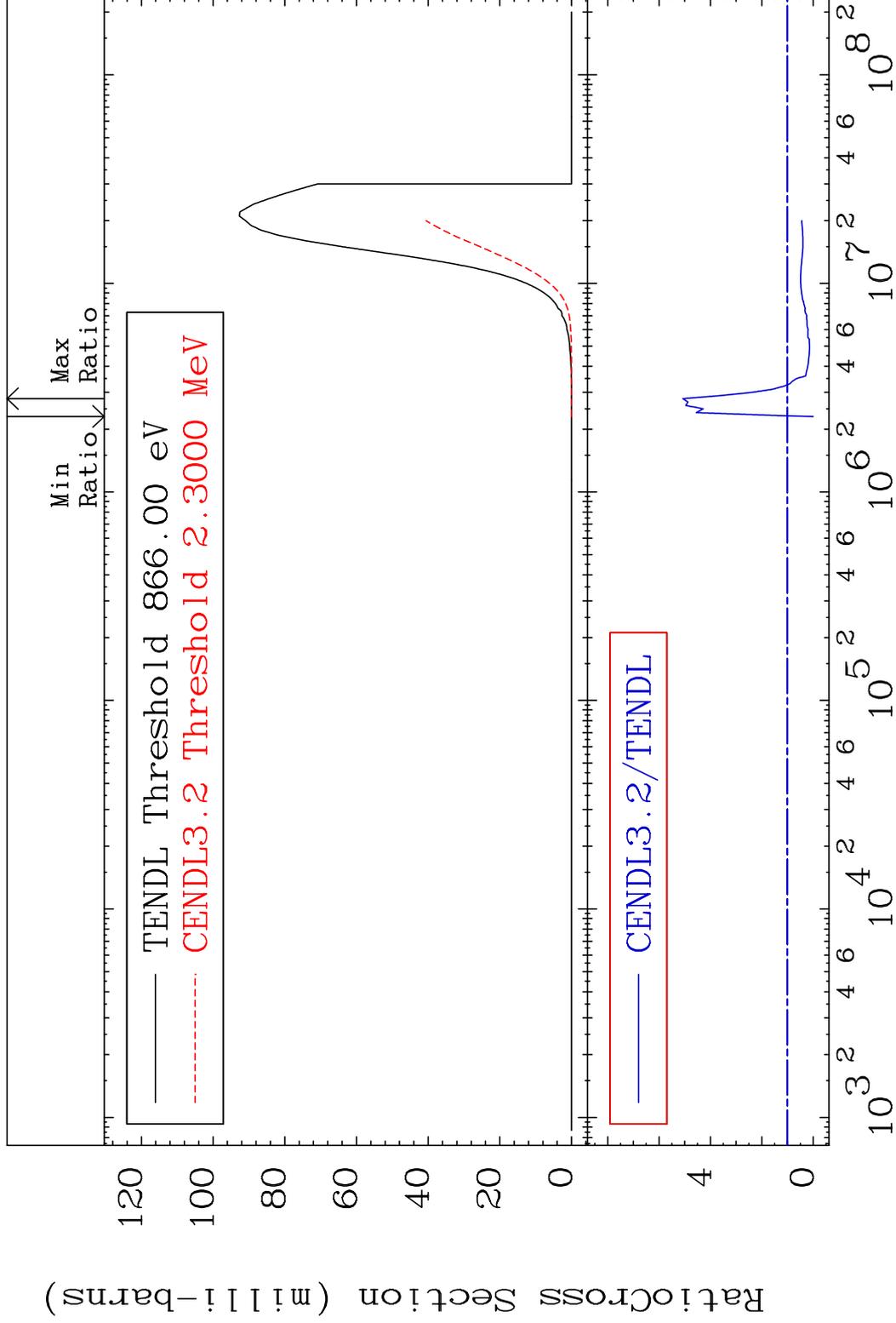
50-Sn-115

MAT 5034

(n, p)

50-Sn-115

Cross Section -100.0 To 407.4 %

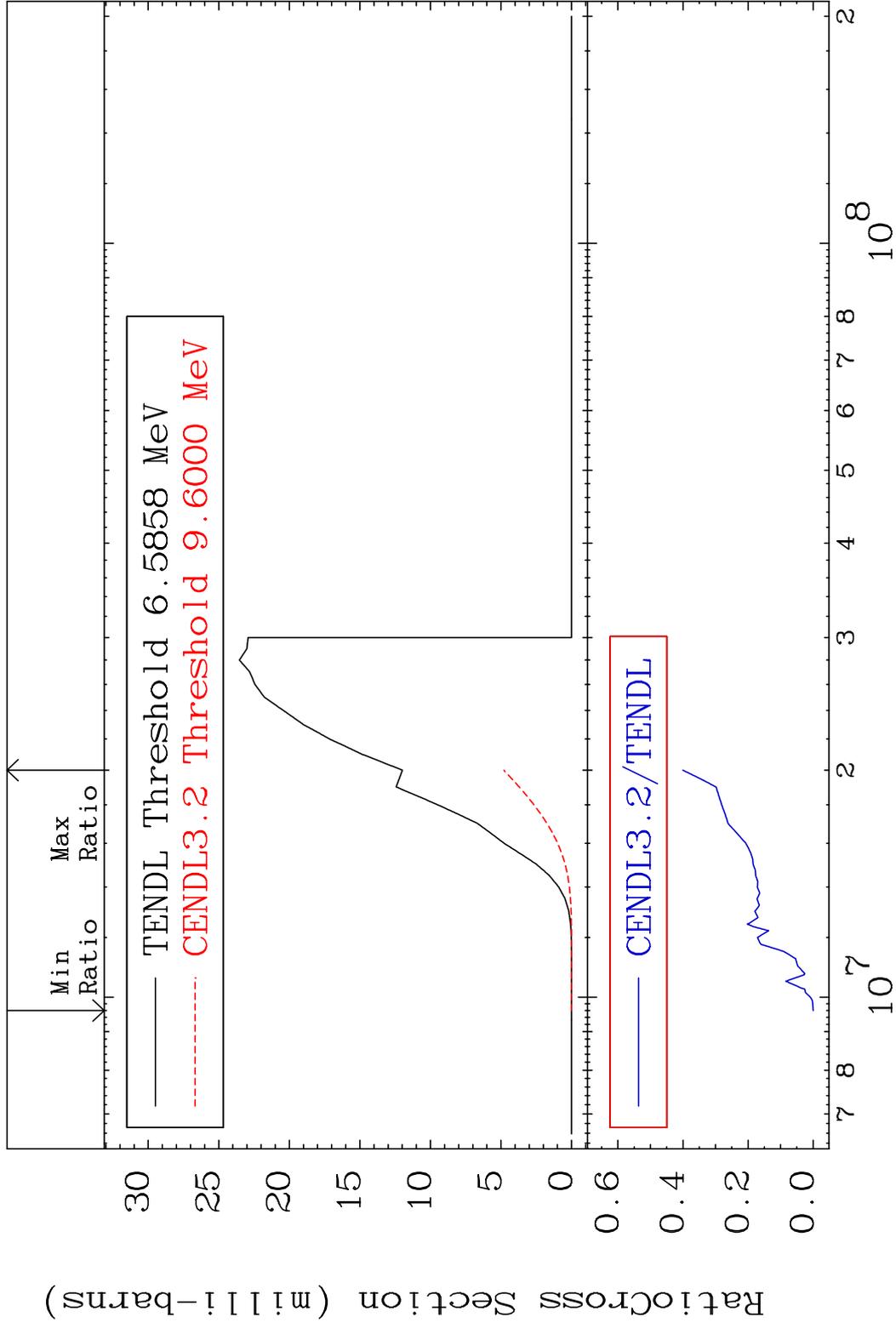


35

Incident Energy (eV)

50-Sn-115

MAT 5034 (n,d) 50-Sn-115
 Cross Section -100.0 To -59.95%

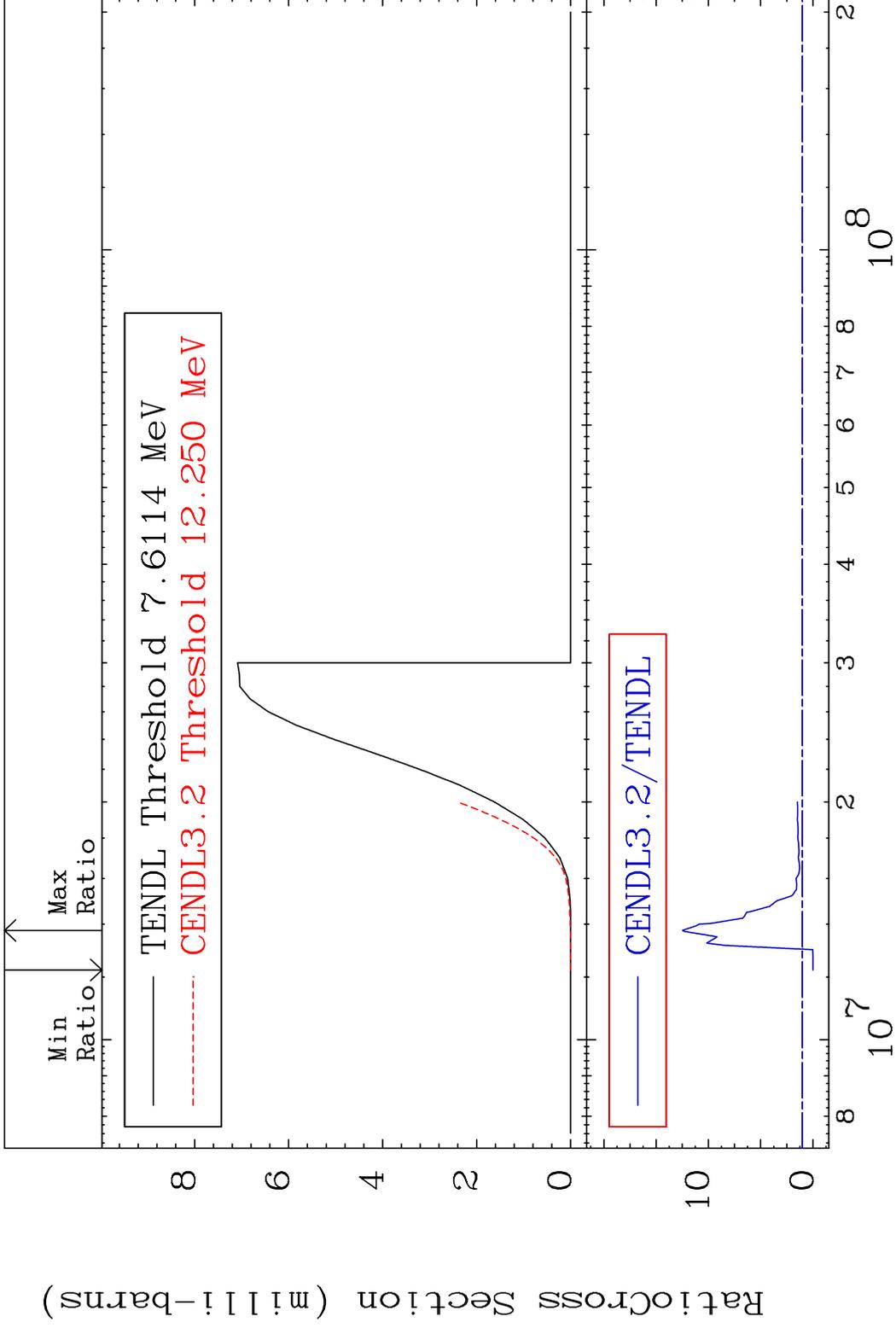


MAT 5034

(n, t)

50-Sn-115

Cross Section -100.0 To 1150. %



37

Incident Energy (eV)

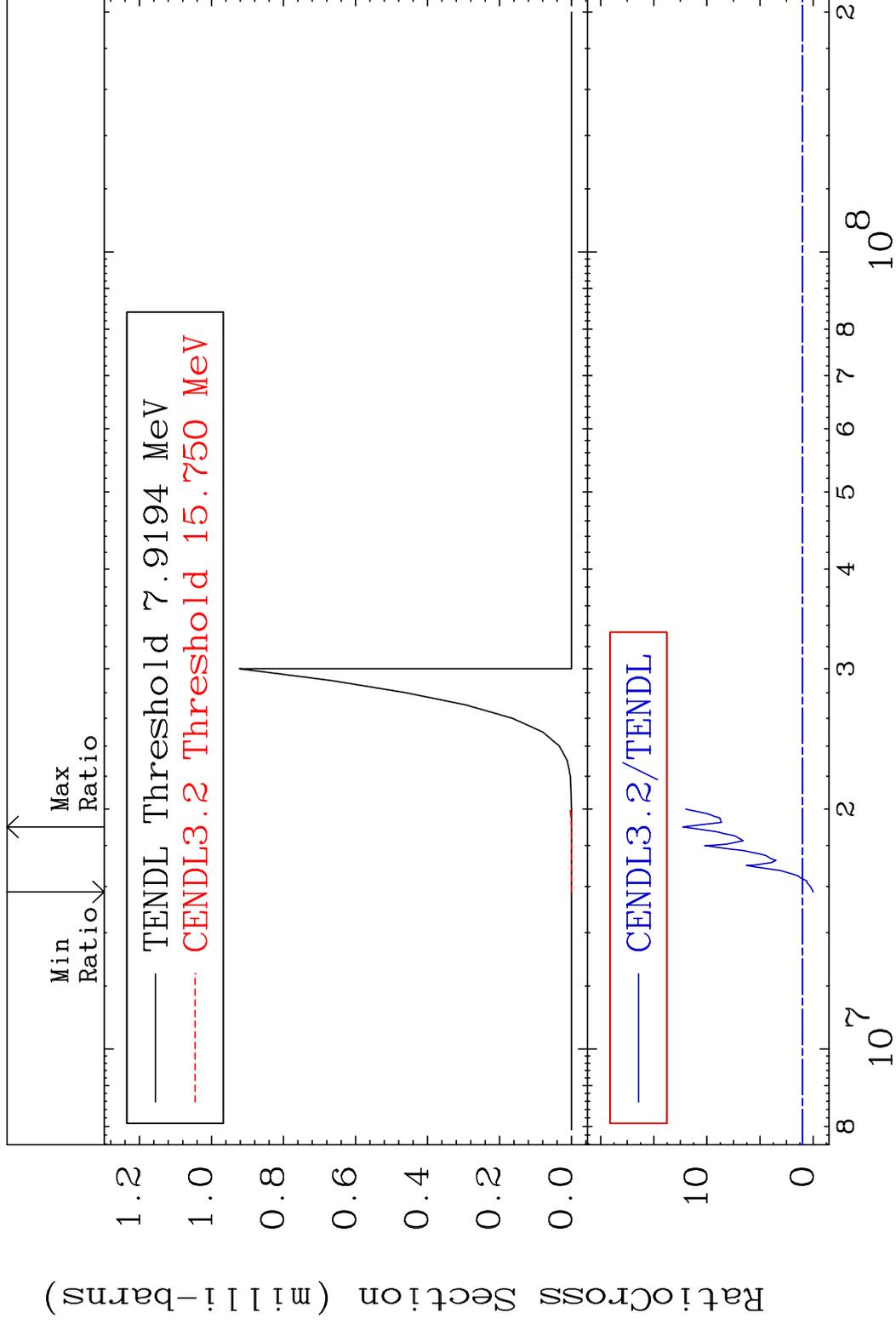
50-Sn-115

MAT 5034

(n, He-3)

50-Sn-115

Cross Section -100.0 To 1127. %



38

Incident Energy (eV)

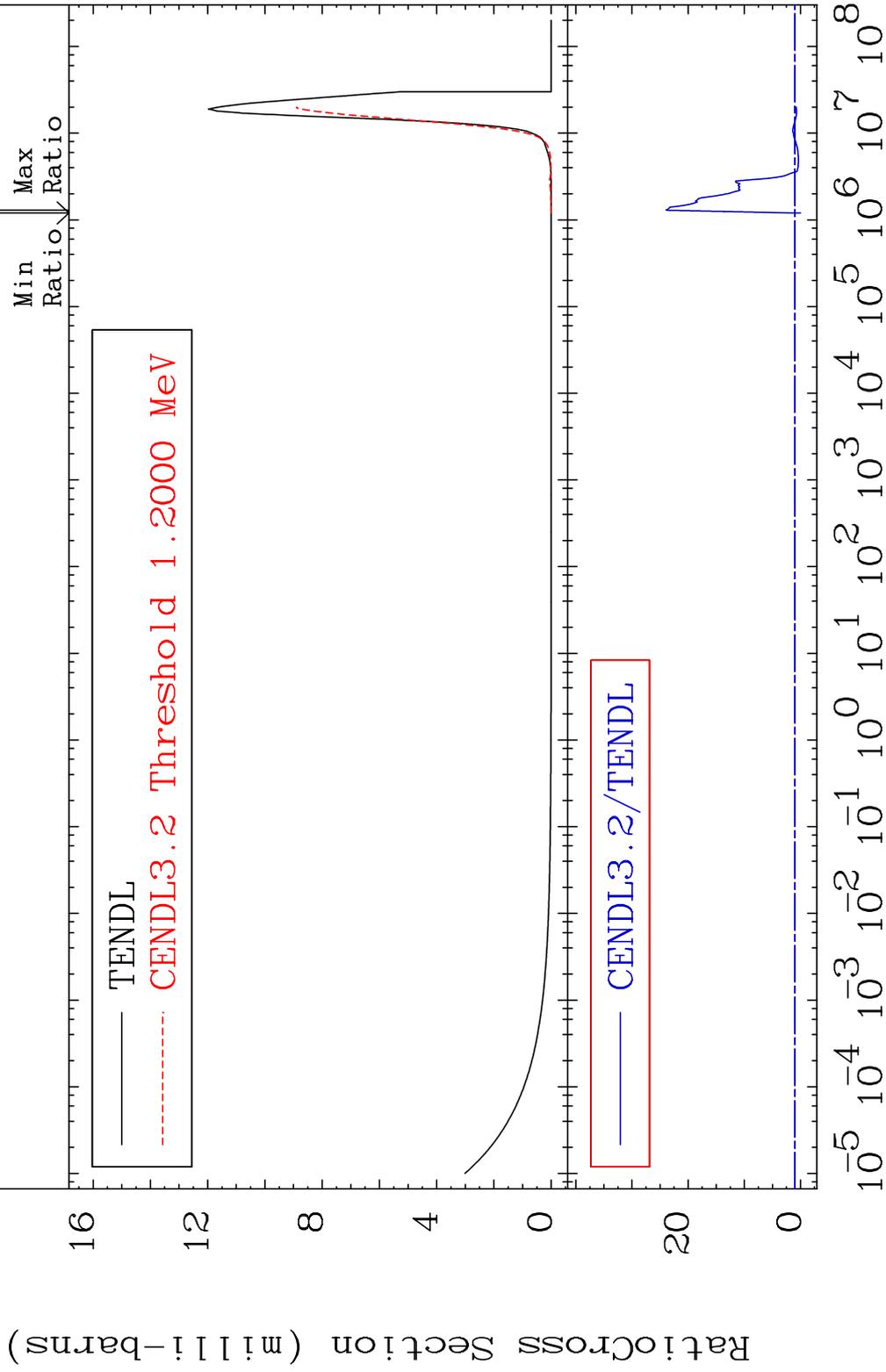
50-Sn-115

MAT 5034

(n, α)

50-Sn-115

Cross Section -100.0 To 2294. %

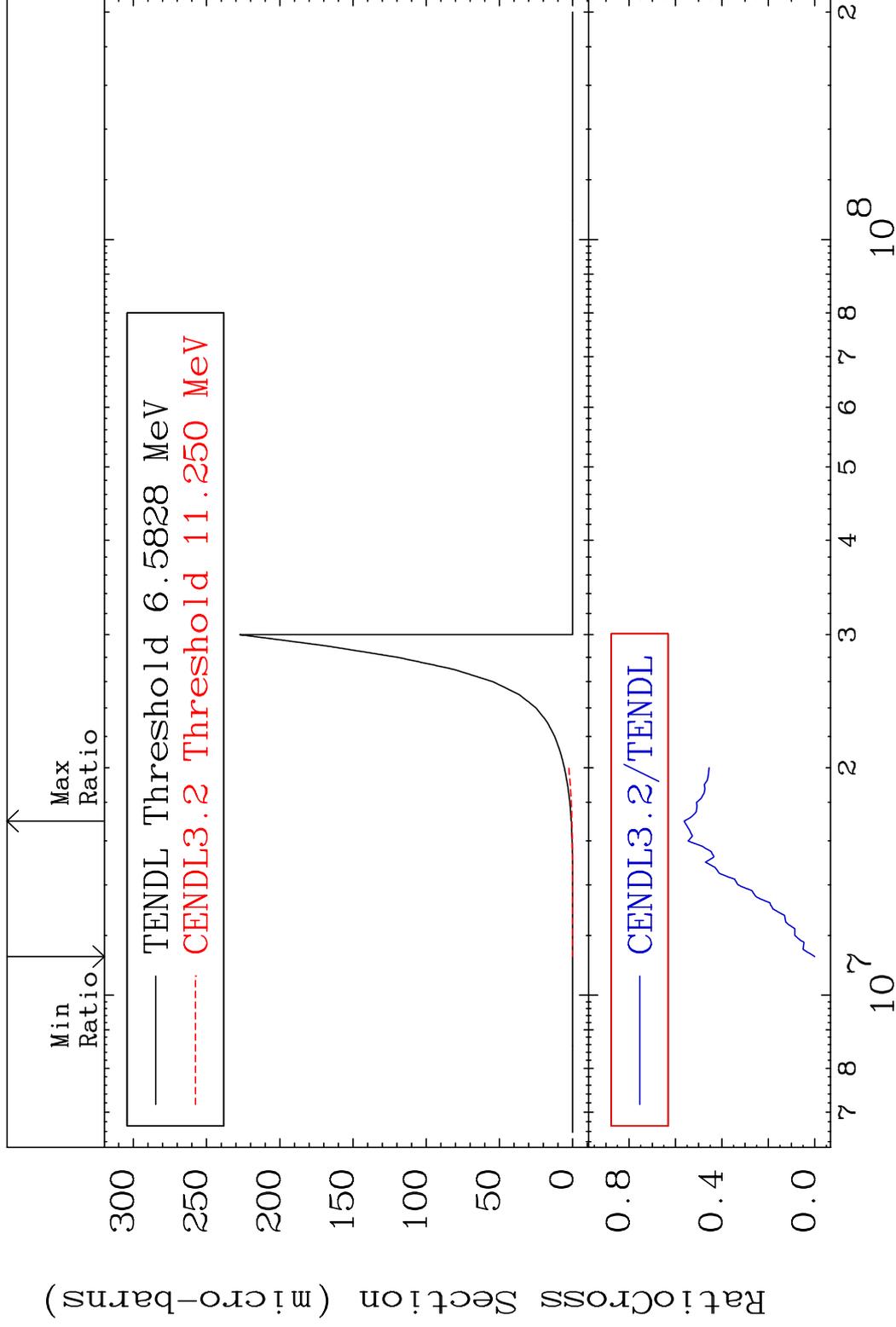


MAT 5034

(n,2p)

50-Sn-115

Cross Section -100.0 To -43.73%



40

Incident Energy (eV)

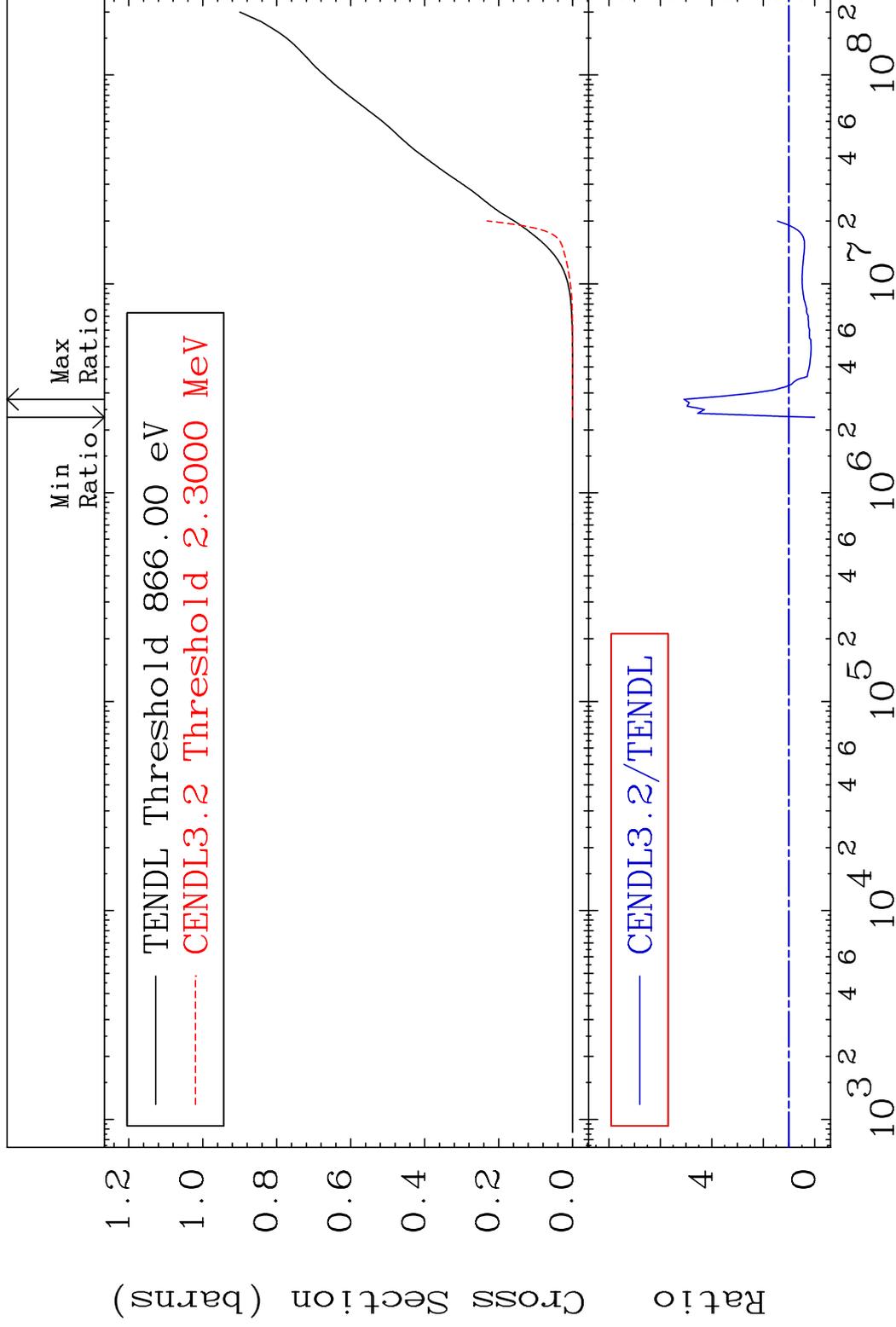
50-Sn-115

MAT 5034

Hydrogen Production

50-Sn-115

Cross Section -100.0 To 407.4 %



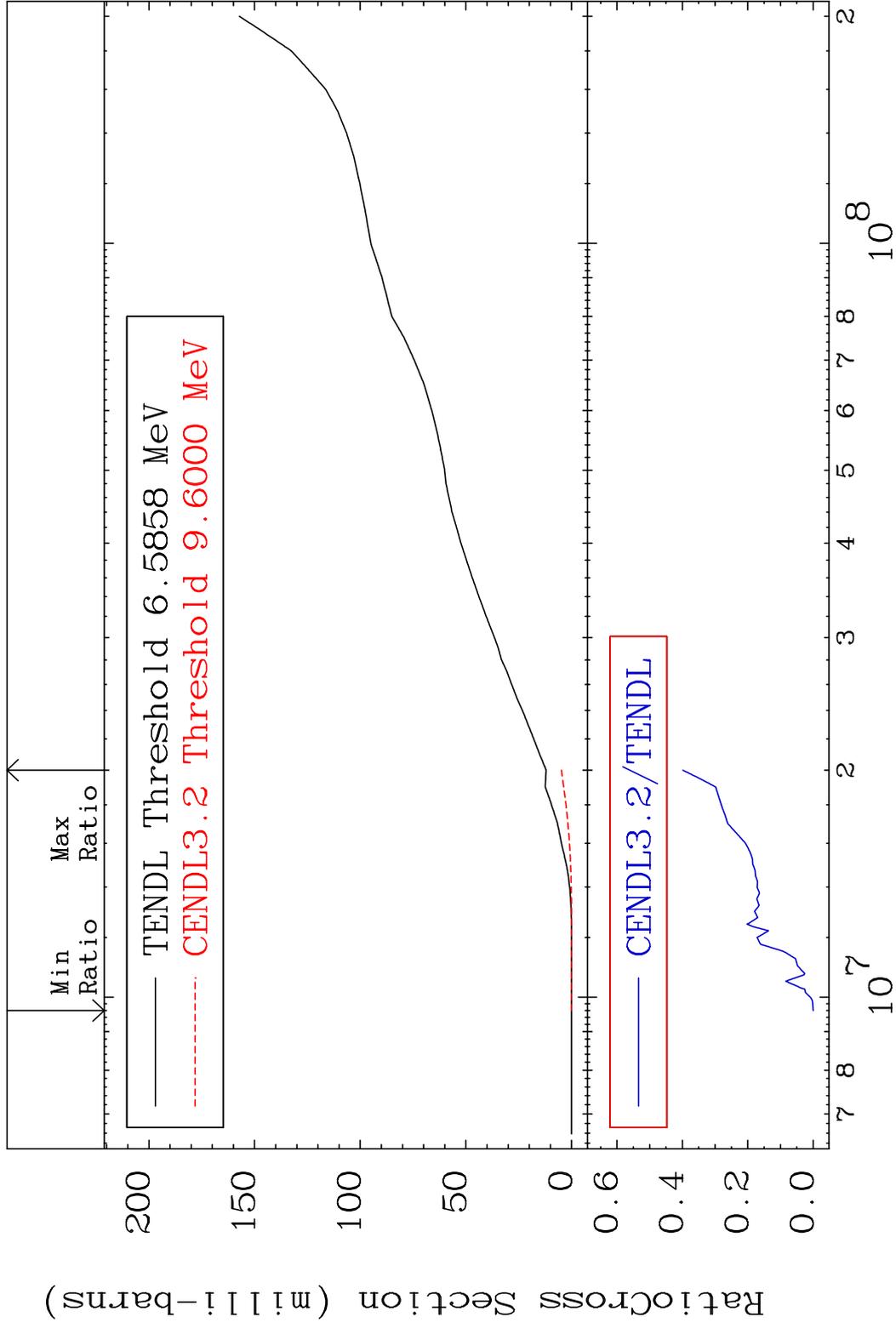
41

Incident Energy (eV)

50-Sn-115

MAT 5034

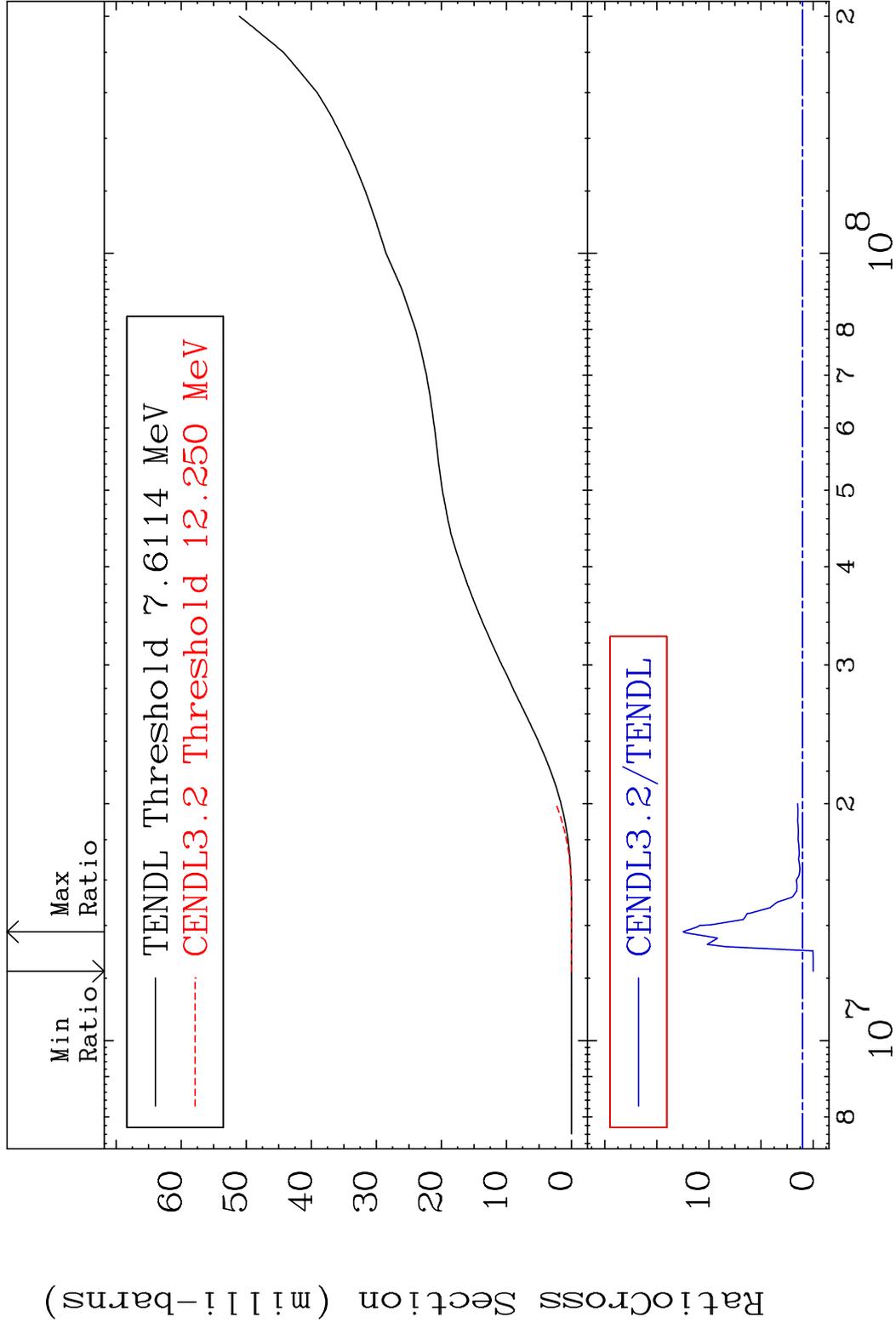
Deuterium Production 50-Sn-115
Cross Section -100.0 To -60.14%



42

Incident Energy (eV) 50-Sn-115

MAT 5034 Tritium Production 50-Sn-115
 Cross Section -100.0 To 1150. %



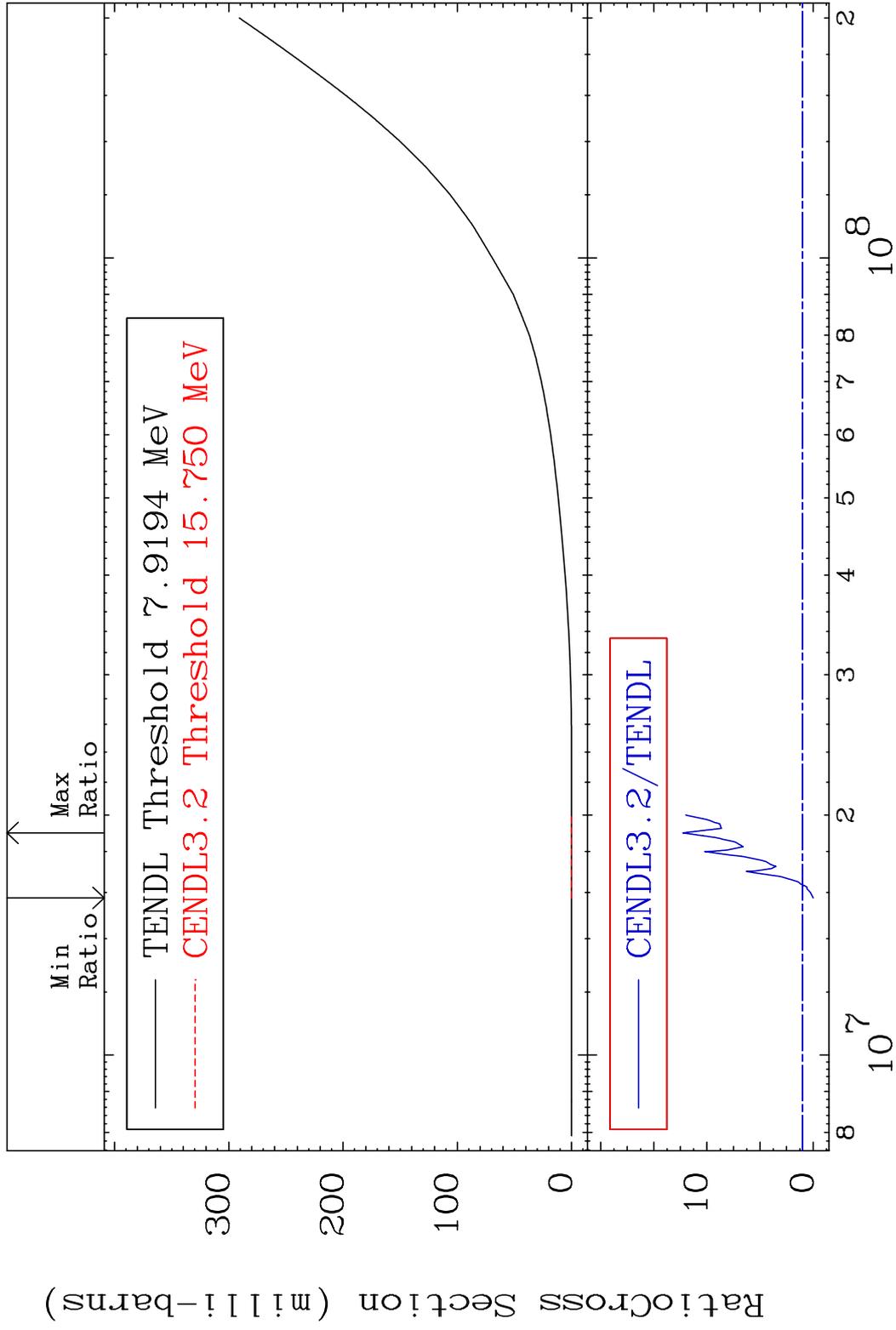
43 Incident Energy (eV) 50-Sn-115

MAT 5034

He-3 Production

50-Sn-115

Cross Section -100.0 To 1127. %



44

Incident Energy (eV)

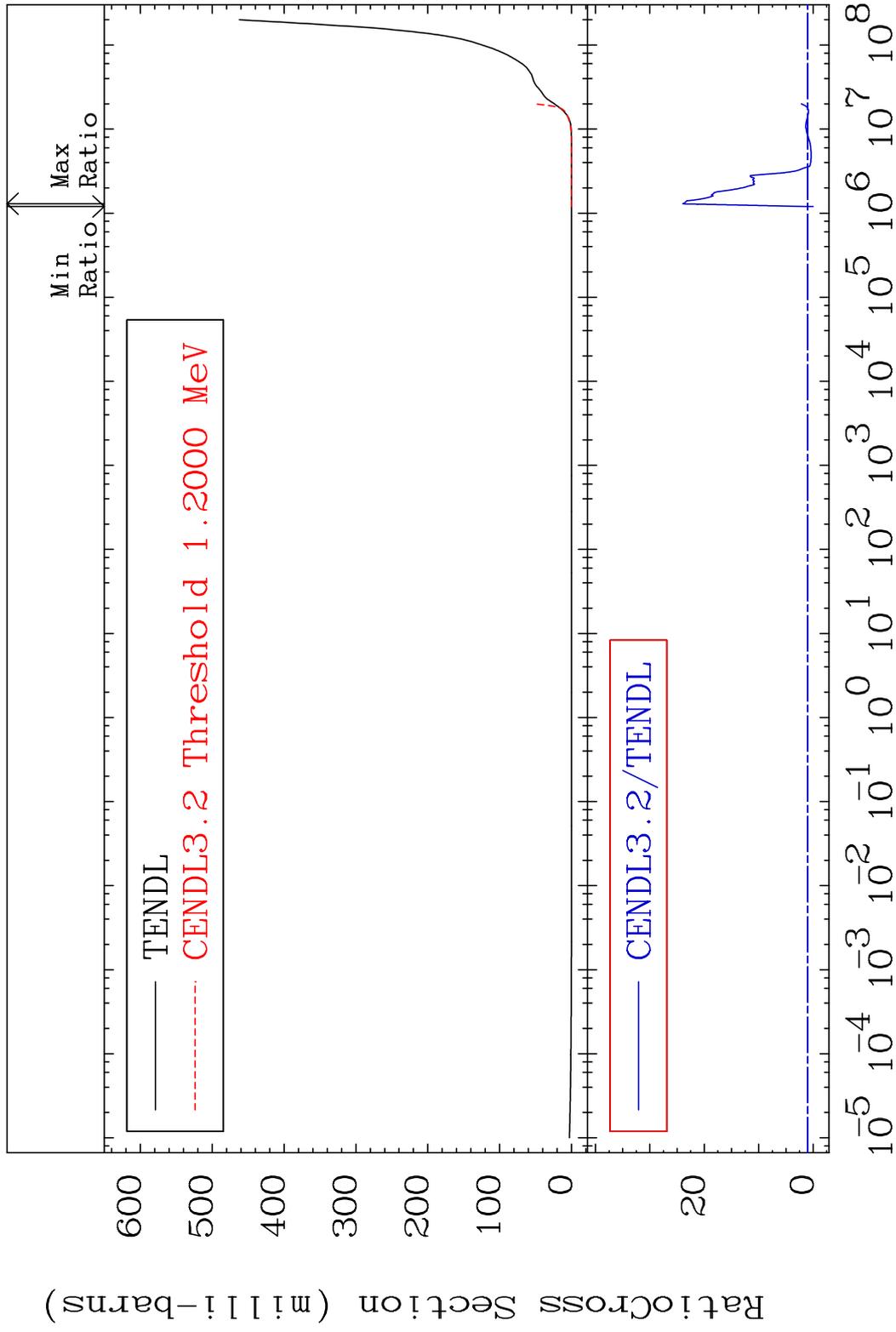
50-Sn-115

MAT 5034

He-4 Production

50-Sn-115

Cross Section -100.0 To 2294. %

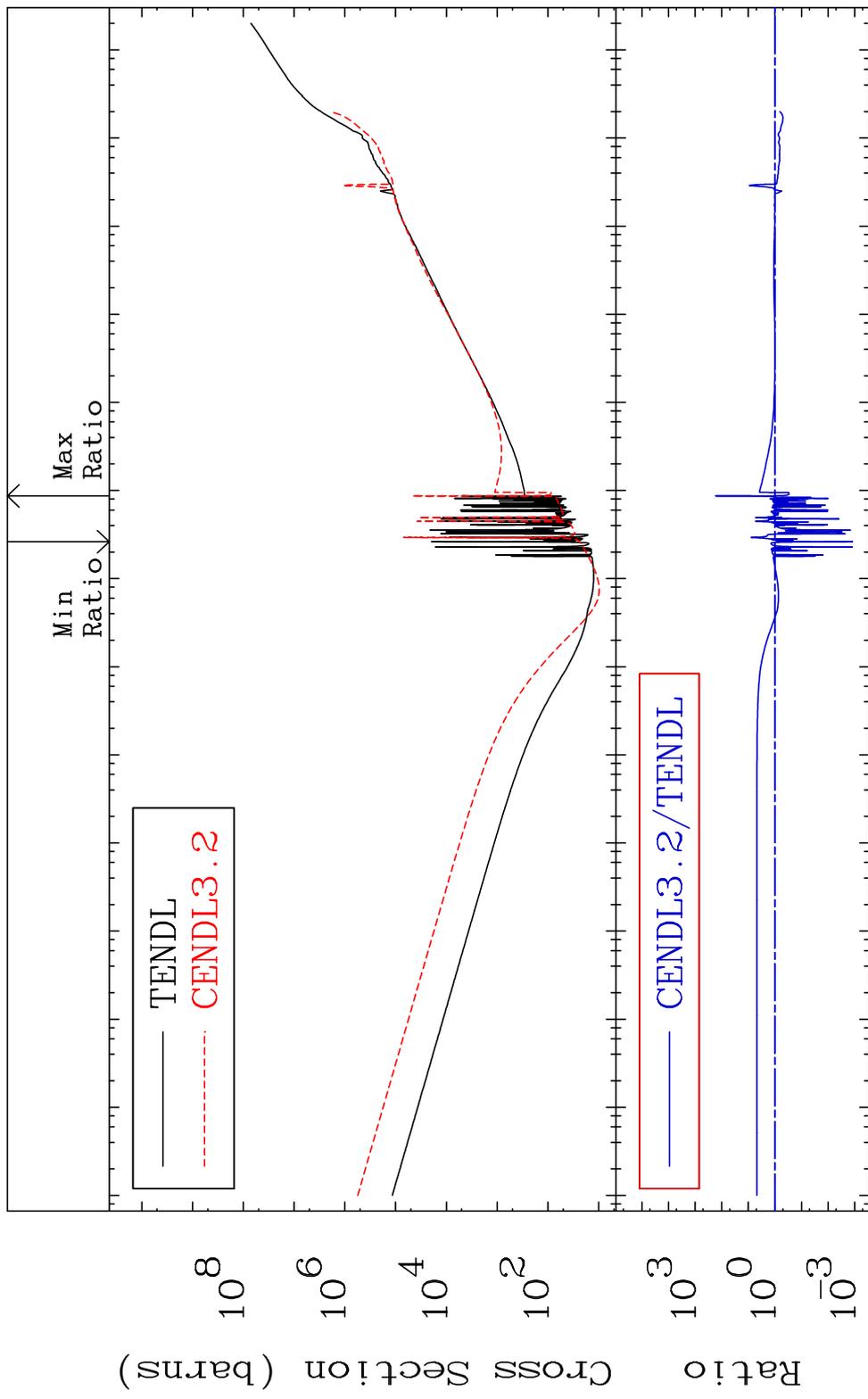


45

Incident Energy (eV)

50-Sn-115

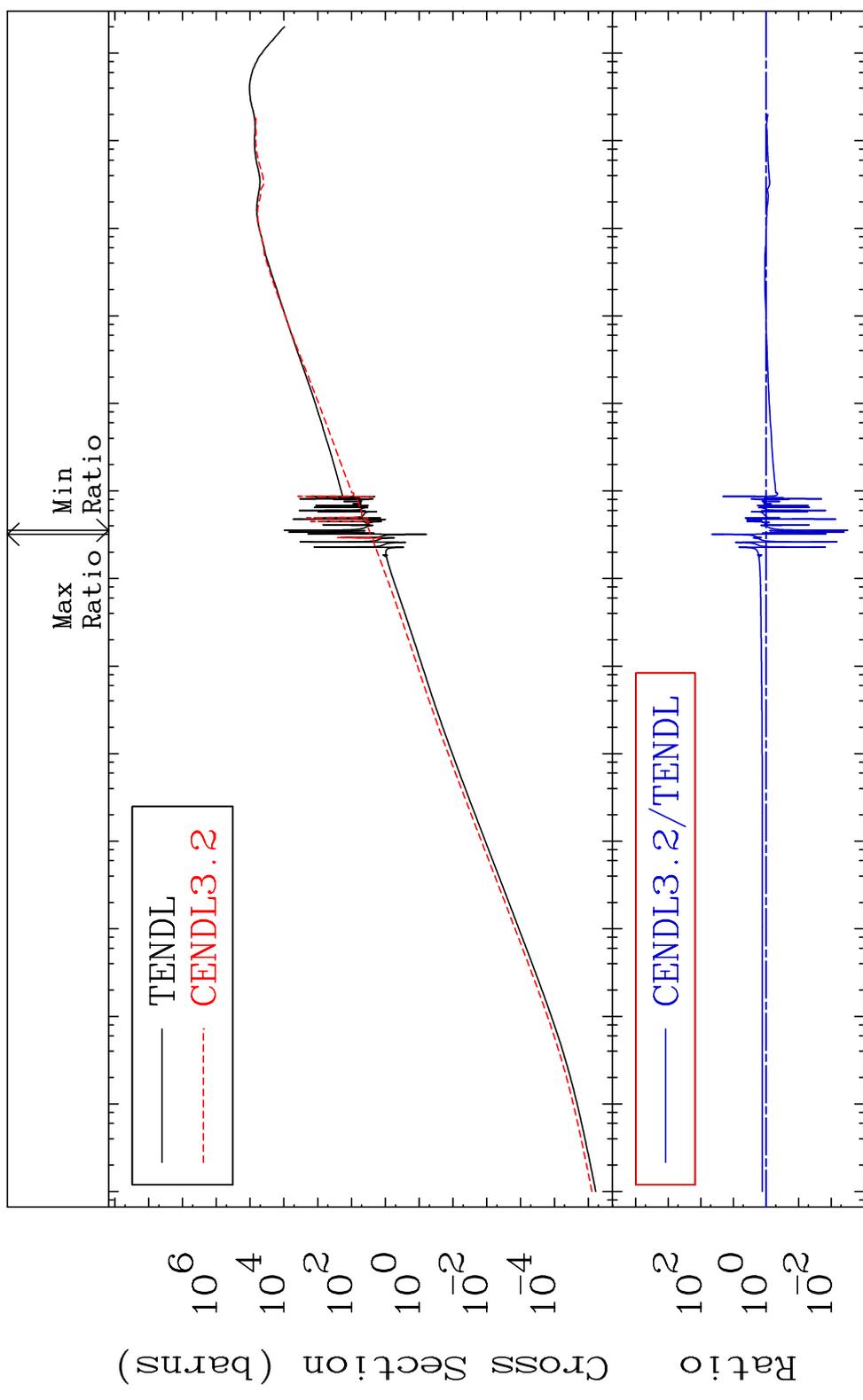
MAT 5034 Kerma total (eV-barns) 50-Sn-115
 Cross Section -99.88 To 9999. %



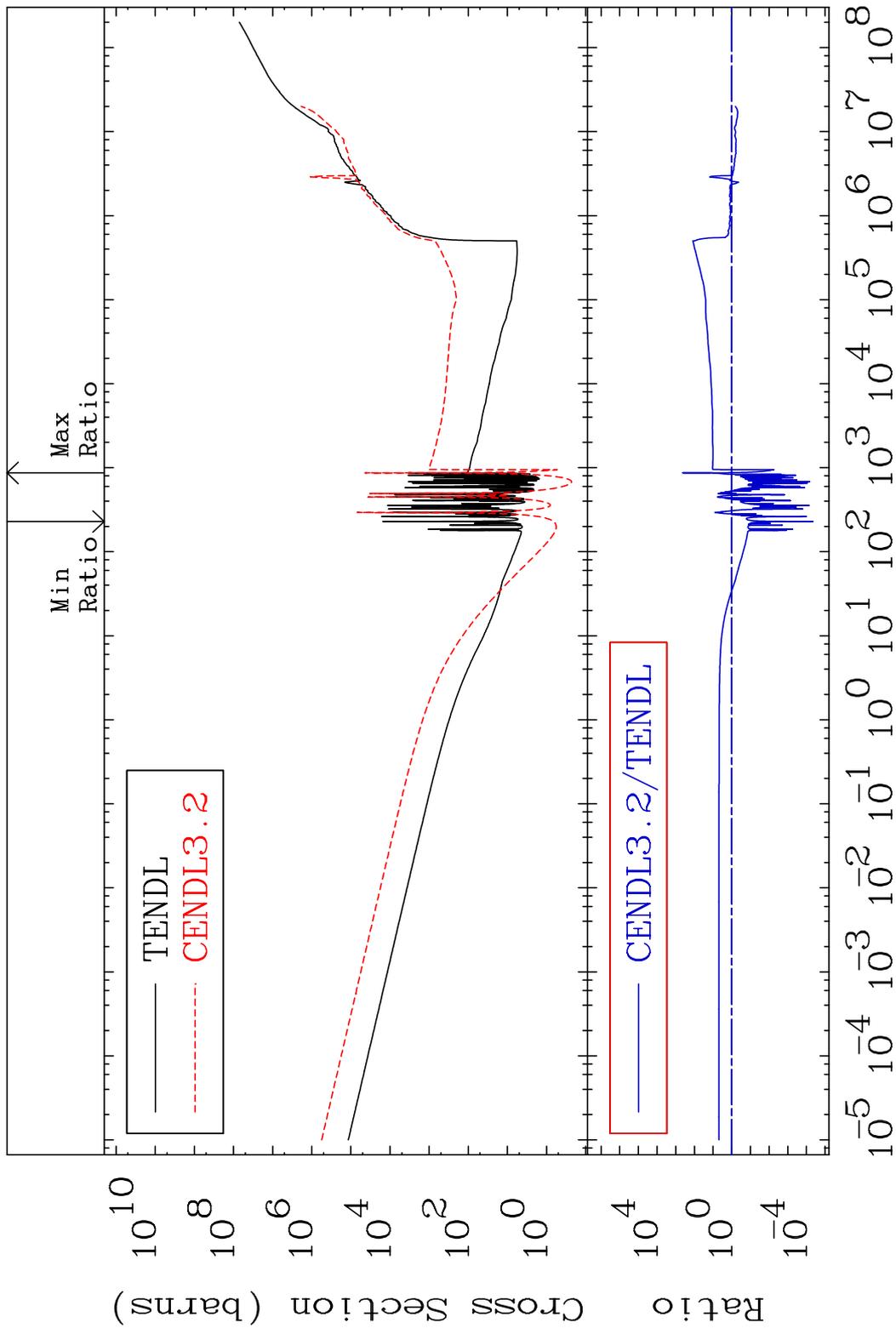
46 Incident Energy (eV) 50-Sn-115

MAT 5034

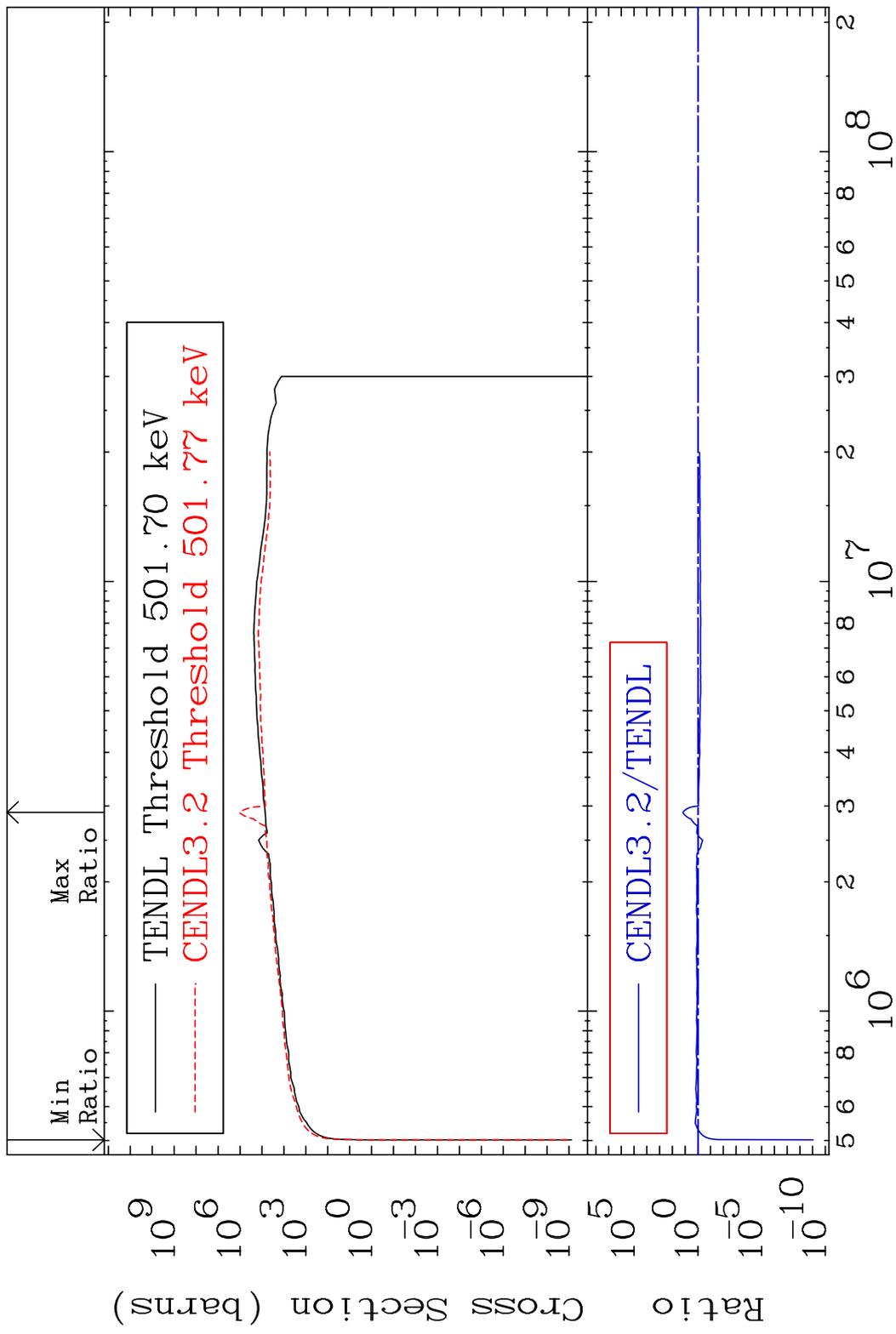
Kerma elastic Cross Section -99.68 To 4513. %
50-Sn-115



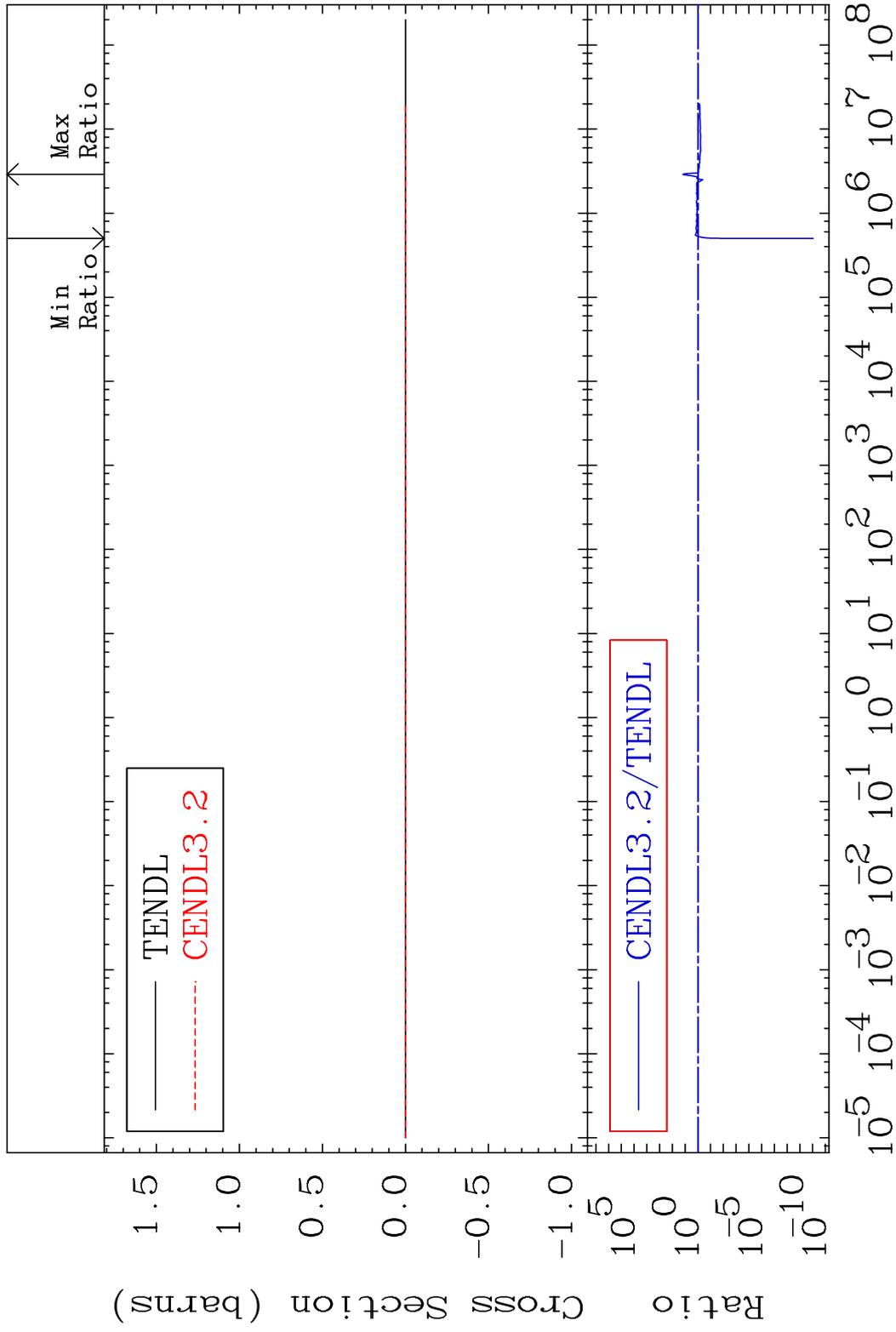
MAT 5034 Kerma non-elastic (all but mt2) 50-Sn-115
 Cross Section -100.0 To 9999. %



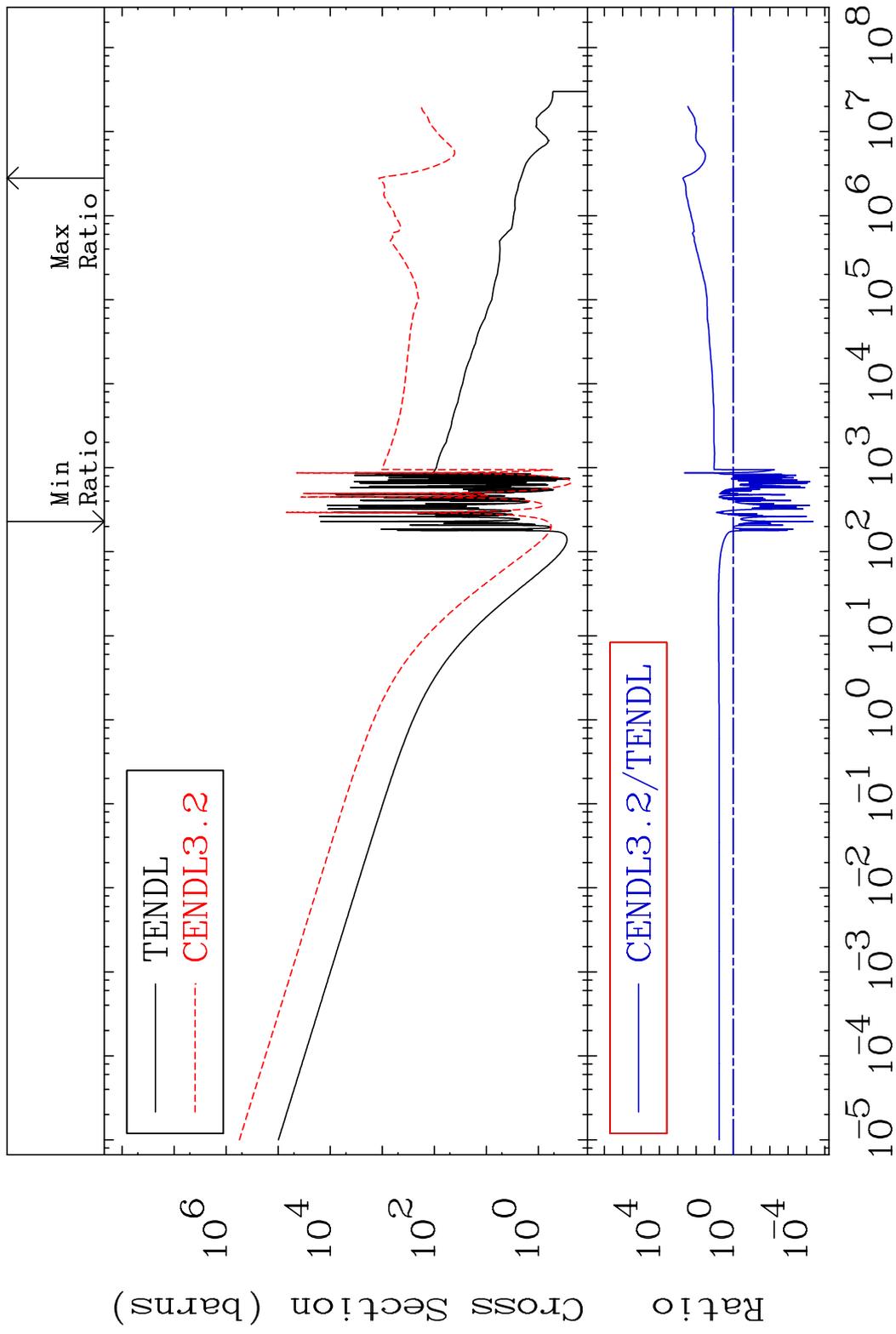
MAT 5034 Kerma inelastic (mt51-91) 50-Sn-115
 Cross Section -100.0 To 1403. %



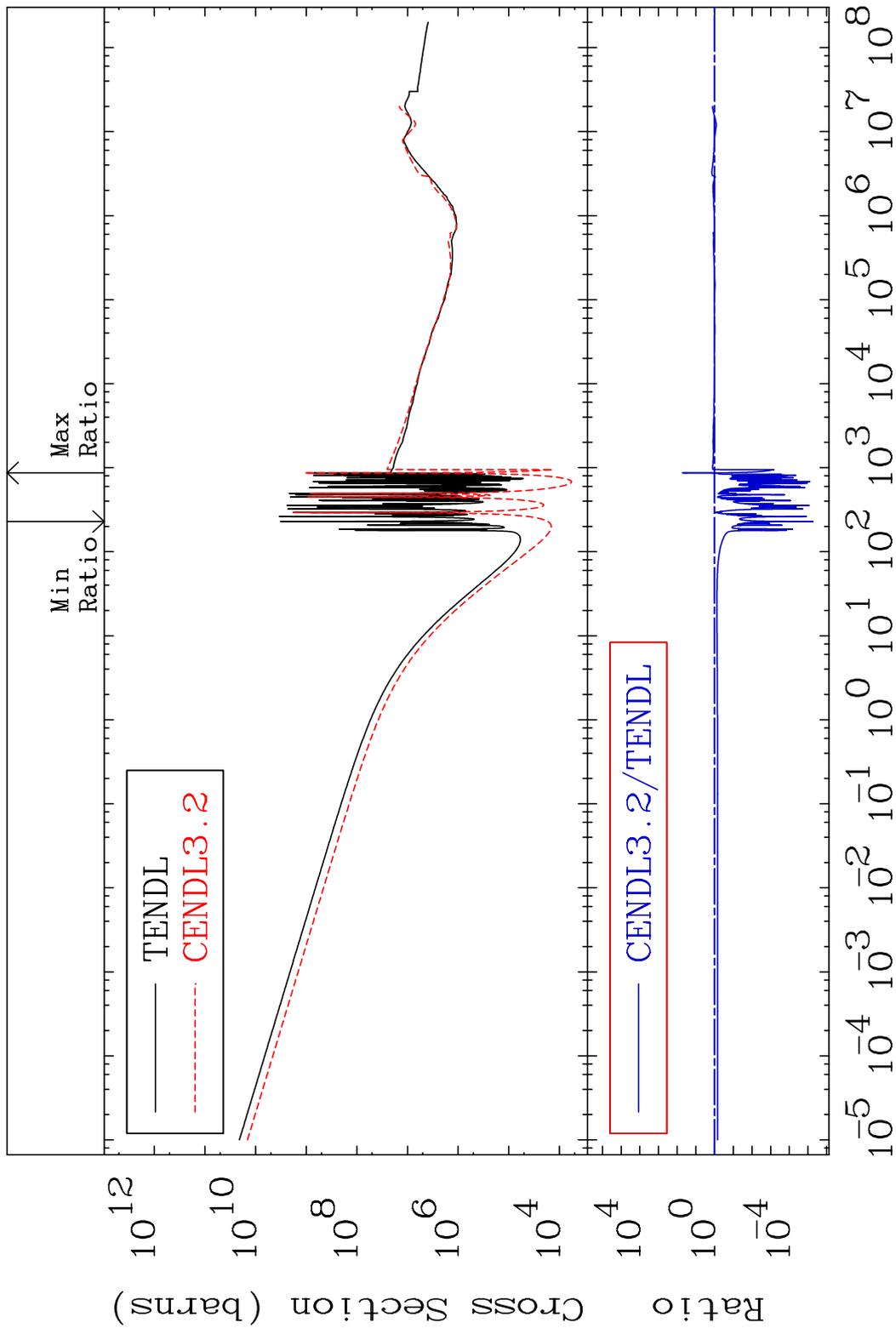
MAT 5034 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-115
 Cross Section -100.0 To 1403. %



MAT 5034 Kerma capture (mt102) 50-Sn-115
 Cross Section -100.0 To 9999. %

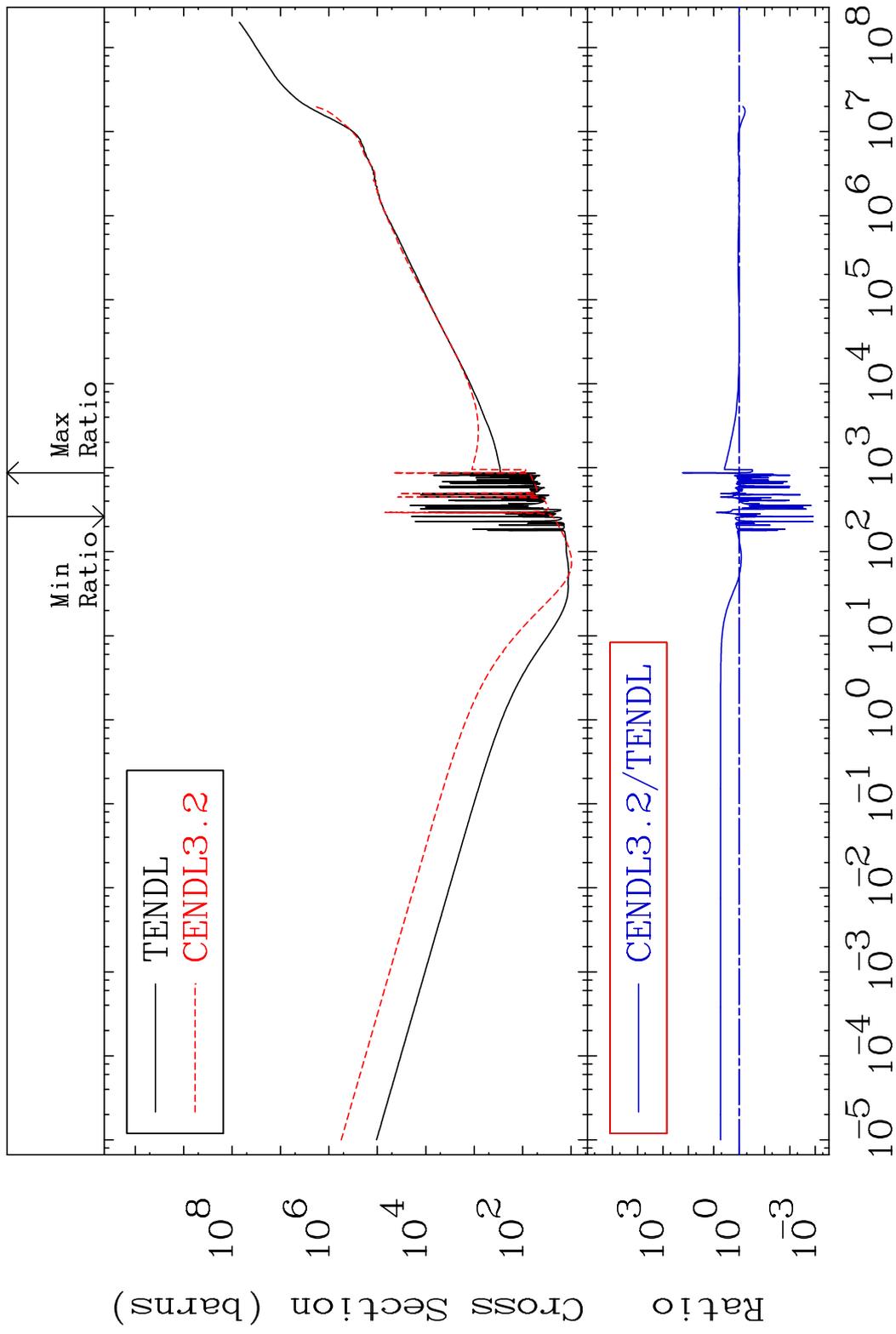


MAT 5034 Total photon (eV-barns) 50-Sn-115
 Cross Section -100.0 To 4901. %

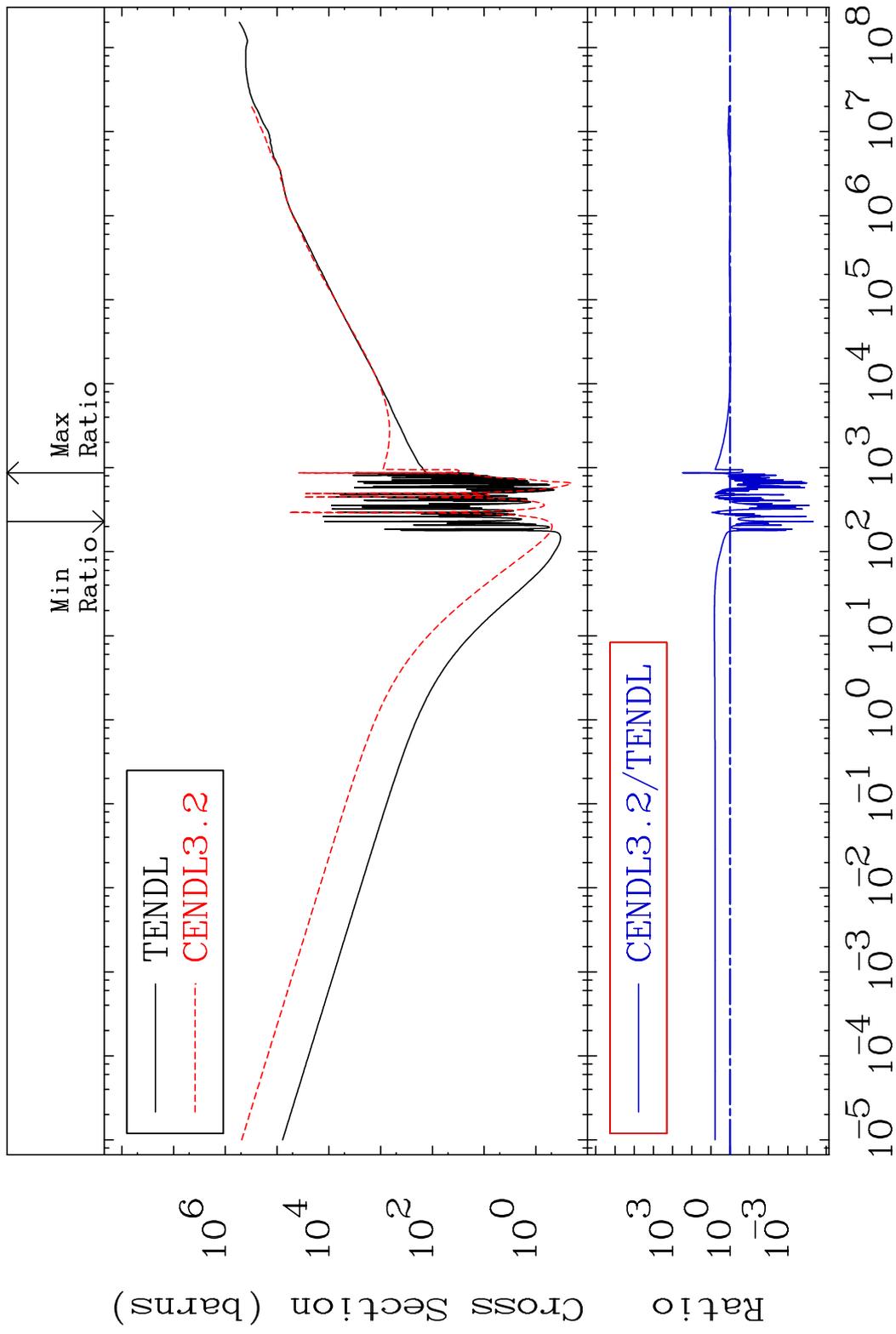


52 Incident Energy (eV) 50-Sn-115

MAT 5034 Total kinematic kerma (high limit) 50-Sn-115
 Cross Section -99.88 To 9999. %



MAT 5034 Dpa total (eV-barns) 50-Sn-115
 Cross Section -100.0 To 9999. %

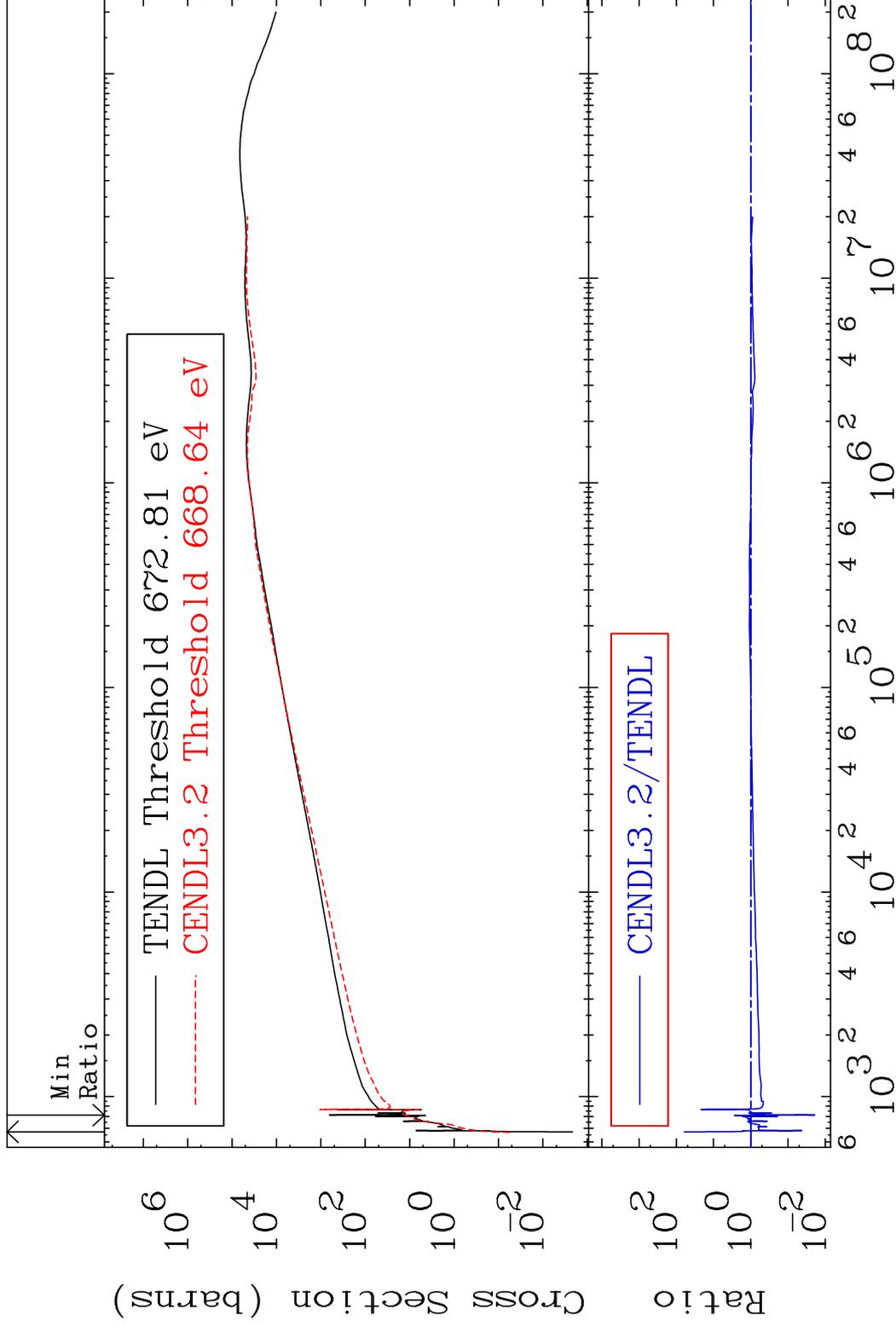


MAT 5034

Dpa elastic (mt2)

50-Sn-115

Cross Section -98.09 To 6061. %

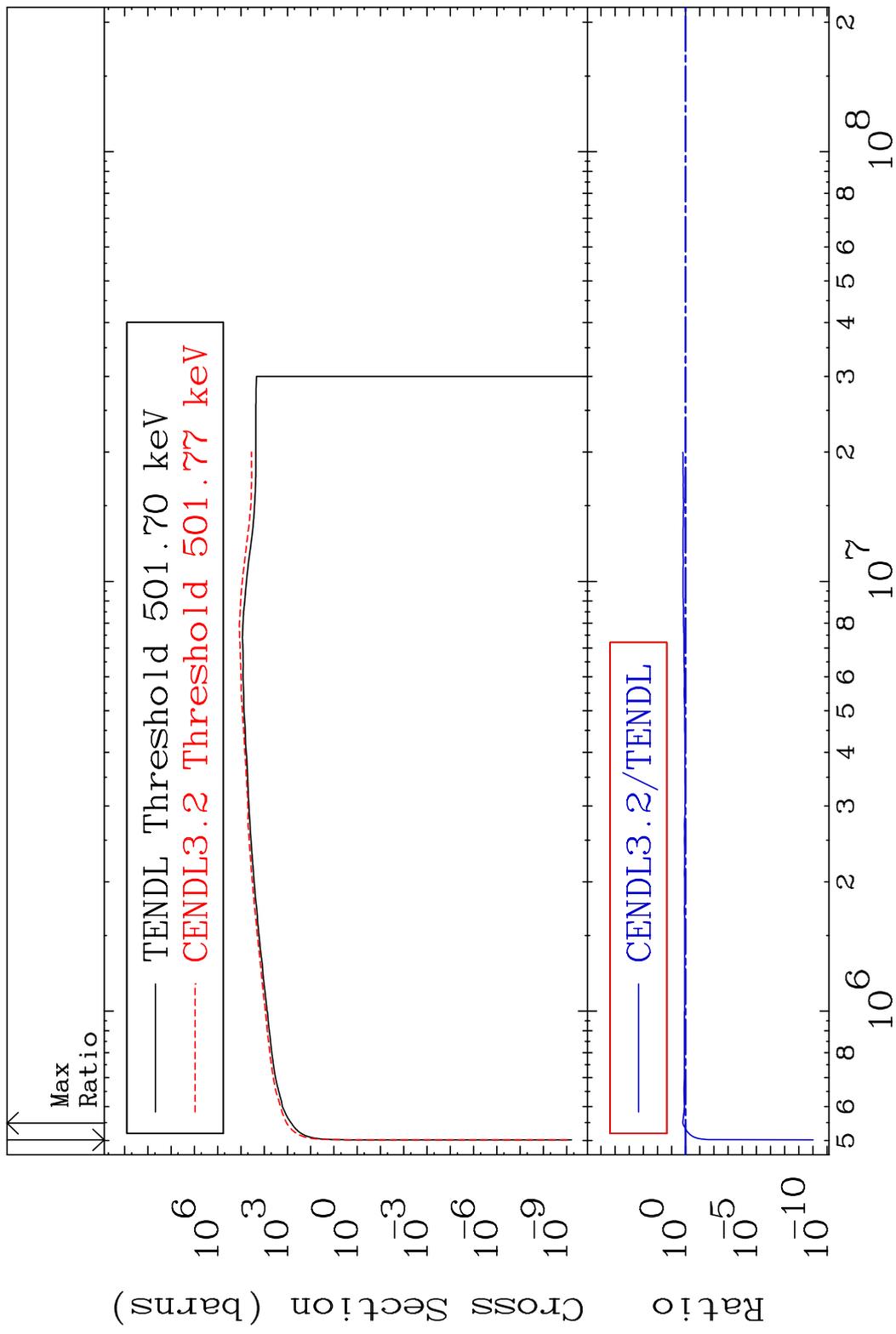


55

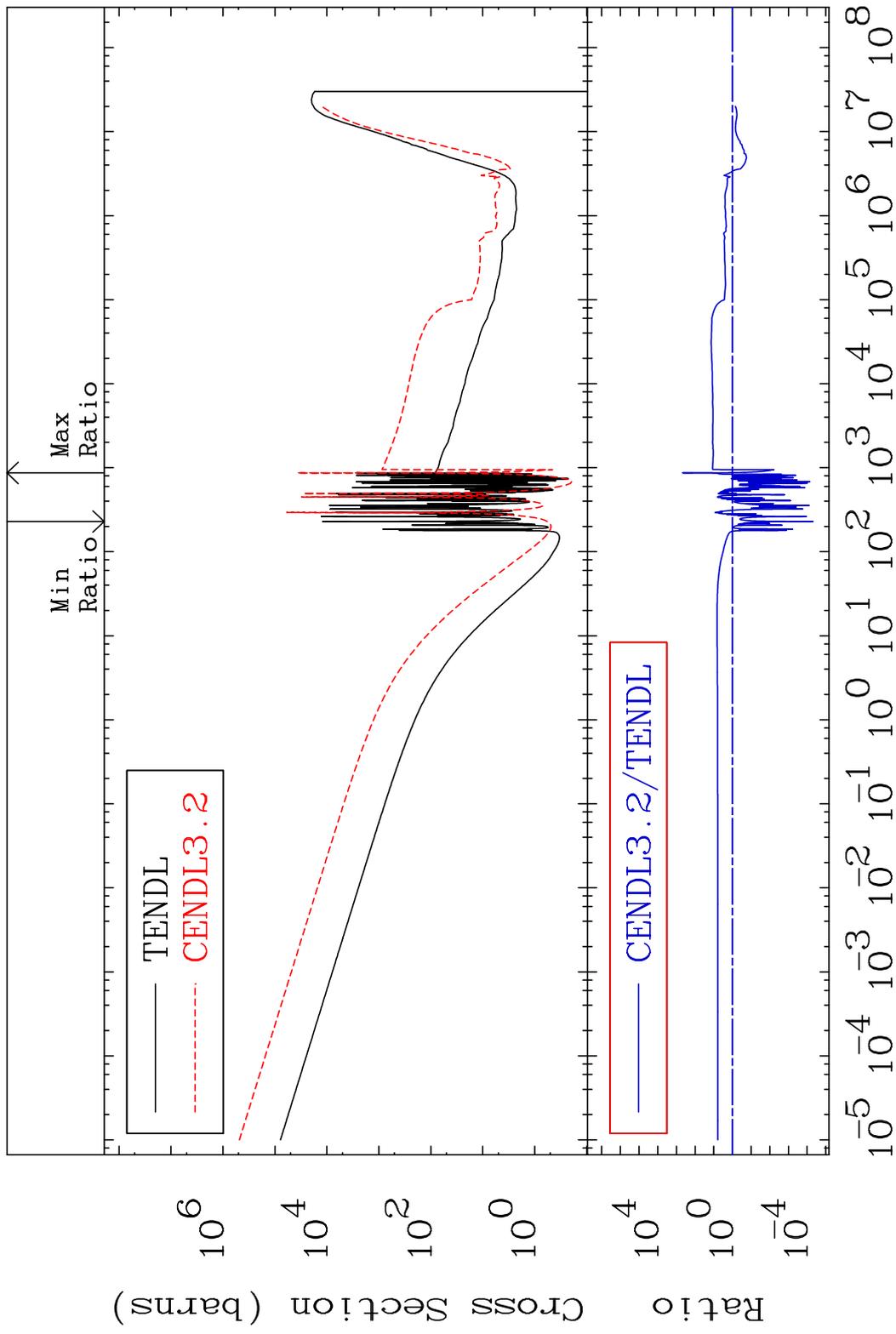
Incident Energy (eV)

50-Sn-115

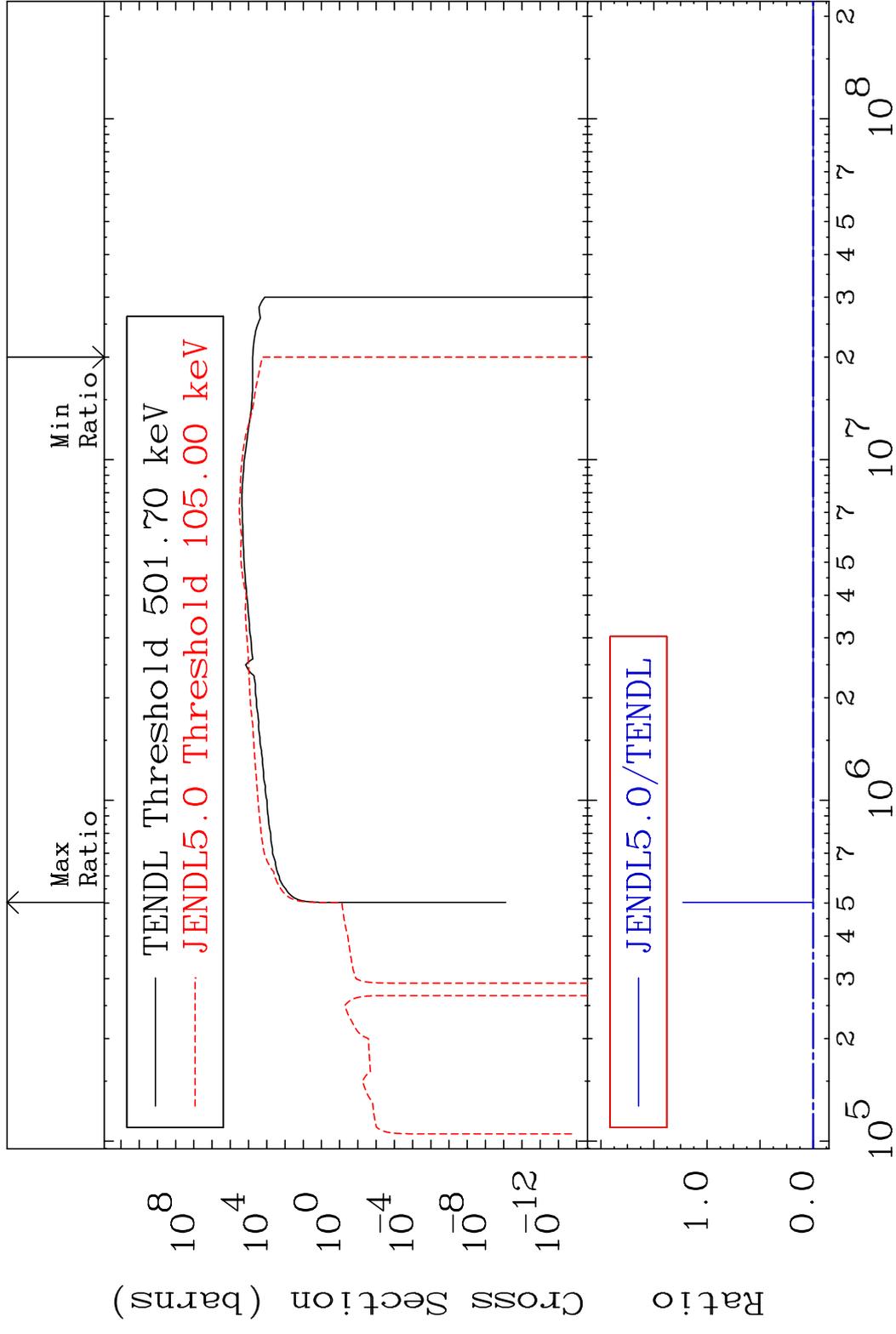
MAT 5034 Dpa inelastic (mt51-91) 50-Sn-115
 Cross Section -100.0 To 59.77 %



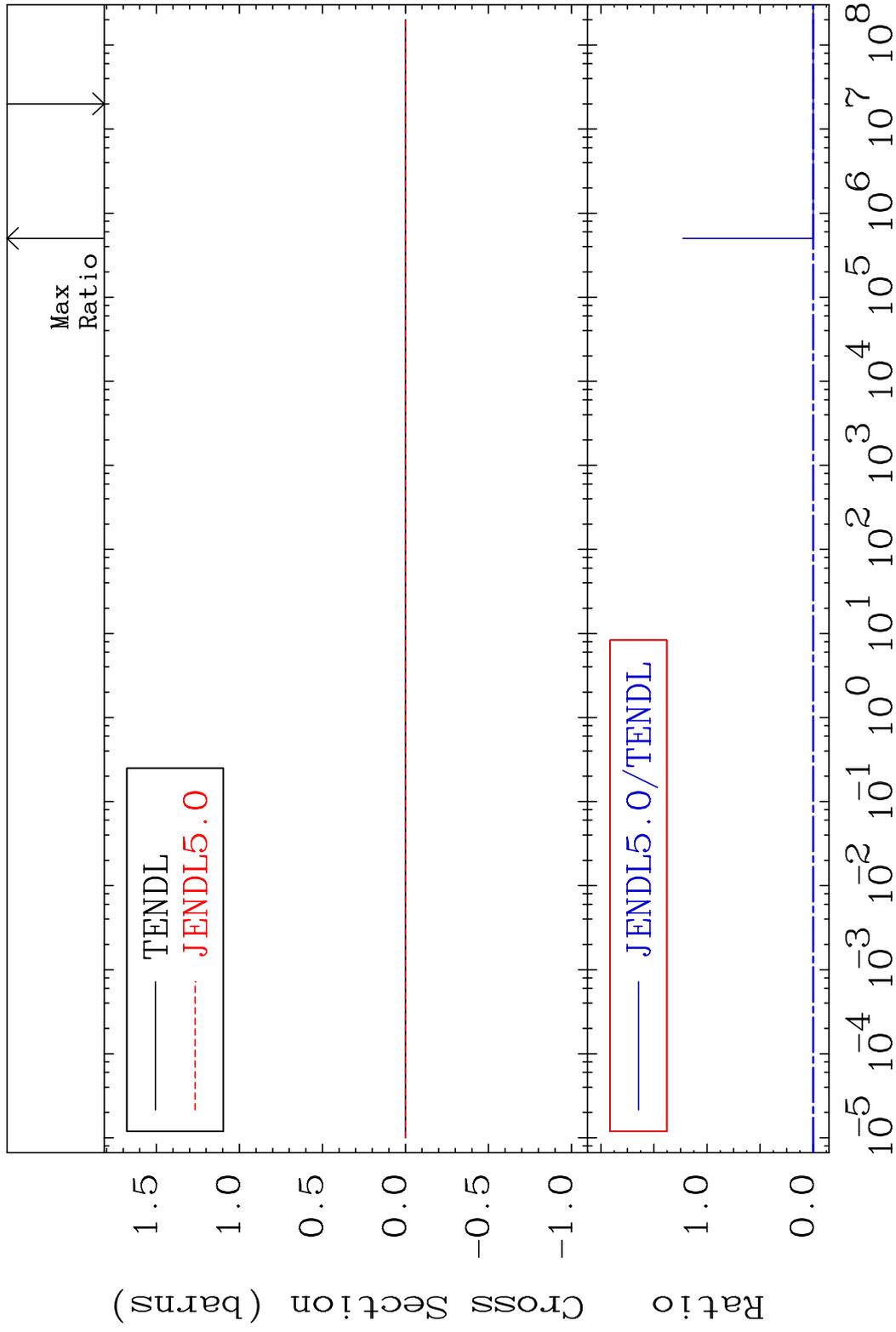
MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115
 Cross Section -100.0 To 9999. %



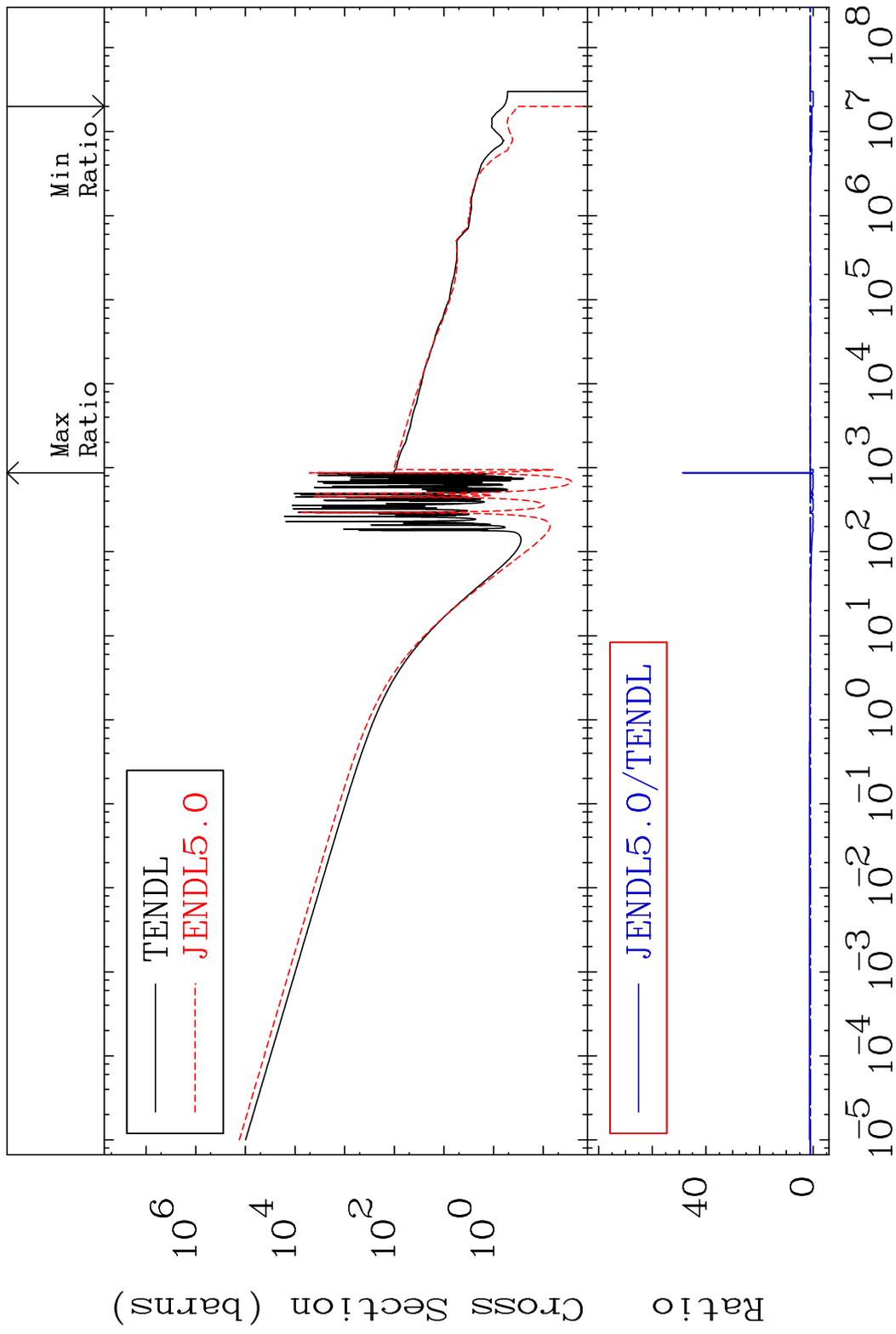
MAT 5034 Kerma inelastic (mt51-91) 50-Sn-115
 Cross Section -100.0 To 9999. %



MAT 5034 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-115
 Cross Section -100.0 To 9999. %

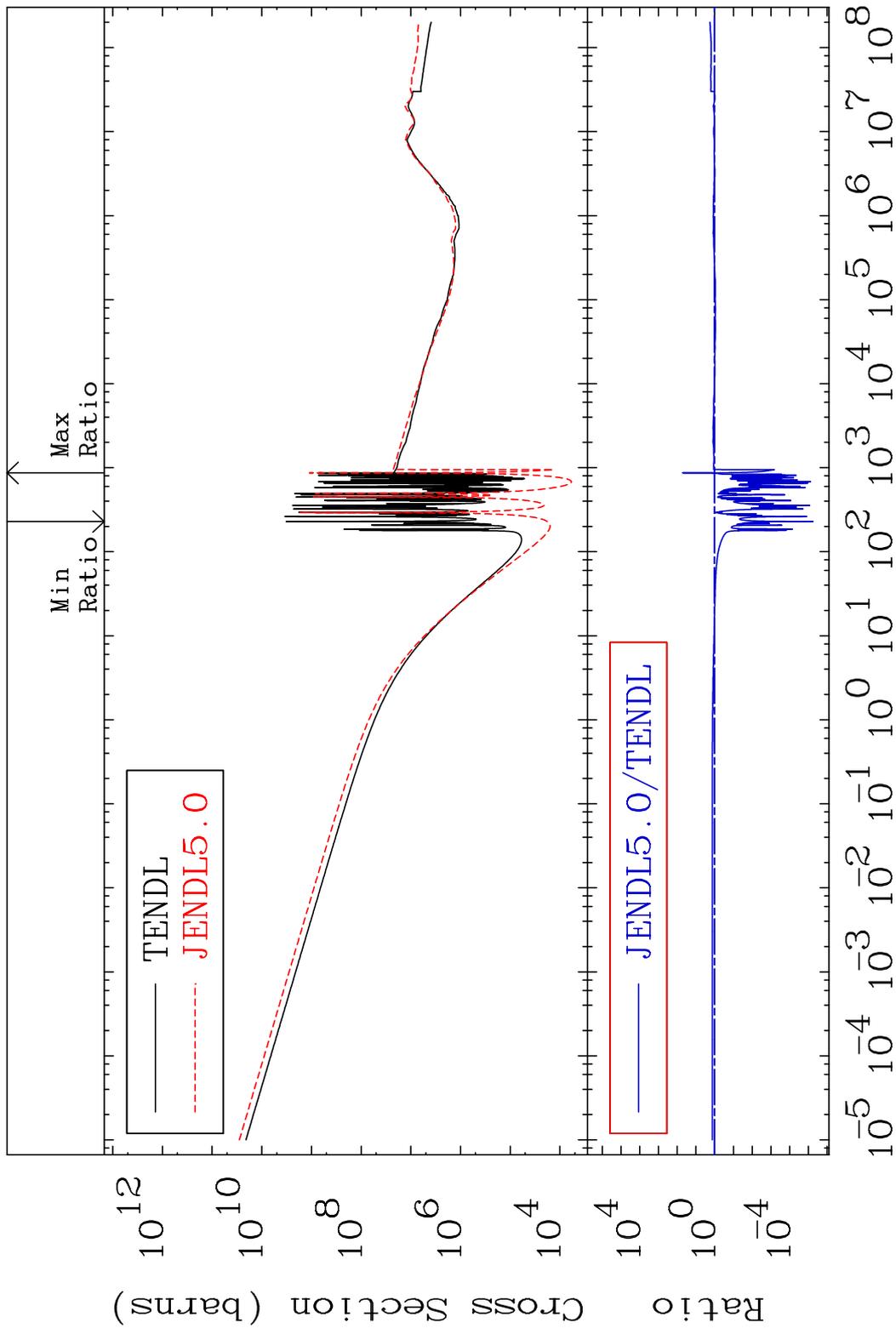


MAT 5034 Kerma capture (mt102) 50-Sn-115
 Cross Section -100.0 To 4761. %



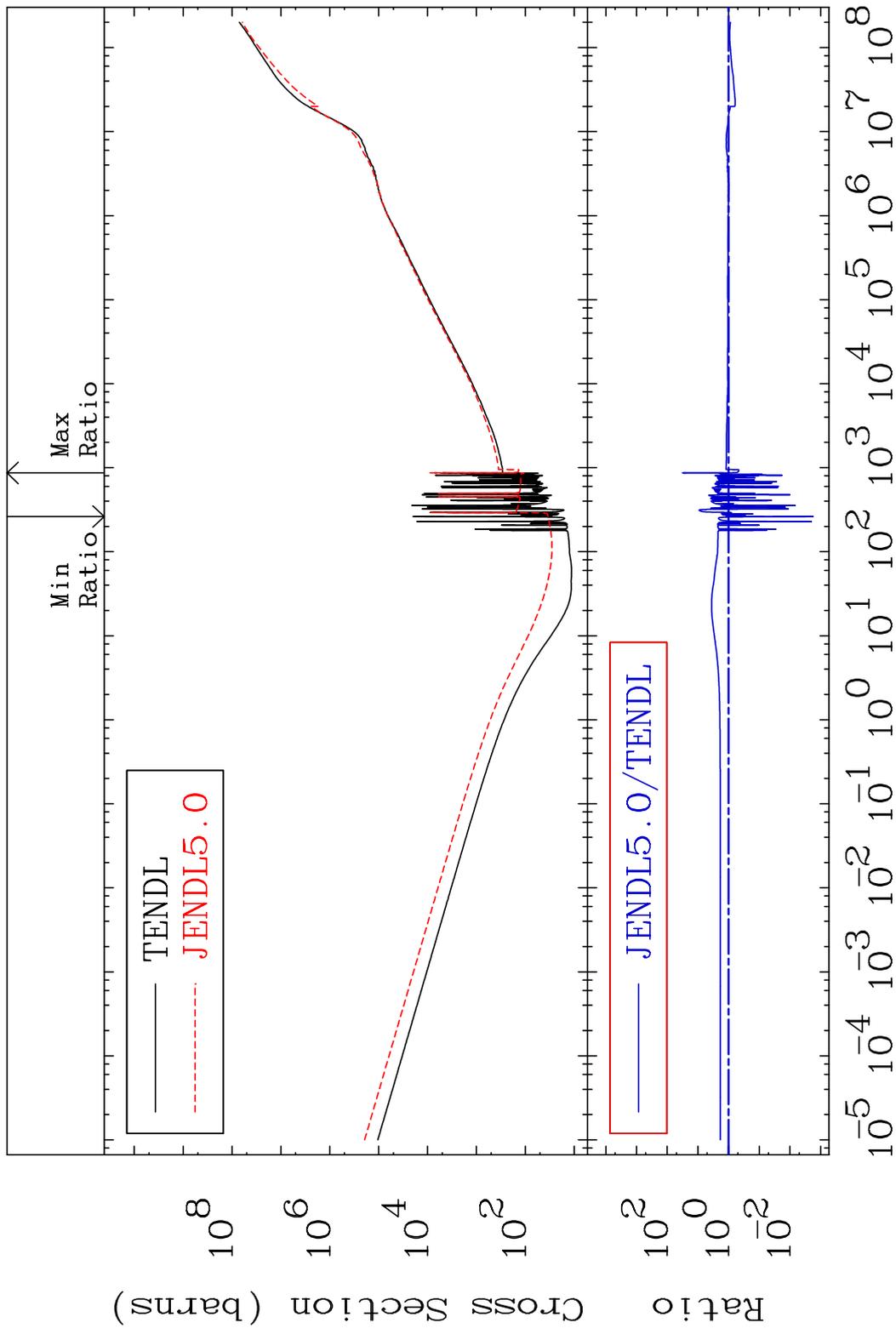
60 Incident Energy (eV) 50-Sn-115

MAT 5034 Total photon (eV-barns) 50-Sn-115
 Cross Section -100.0 To 4907. %

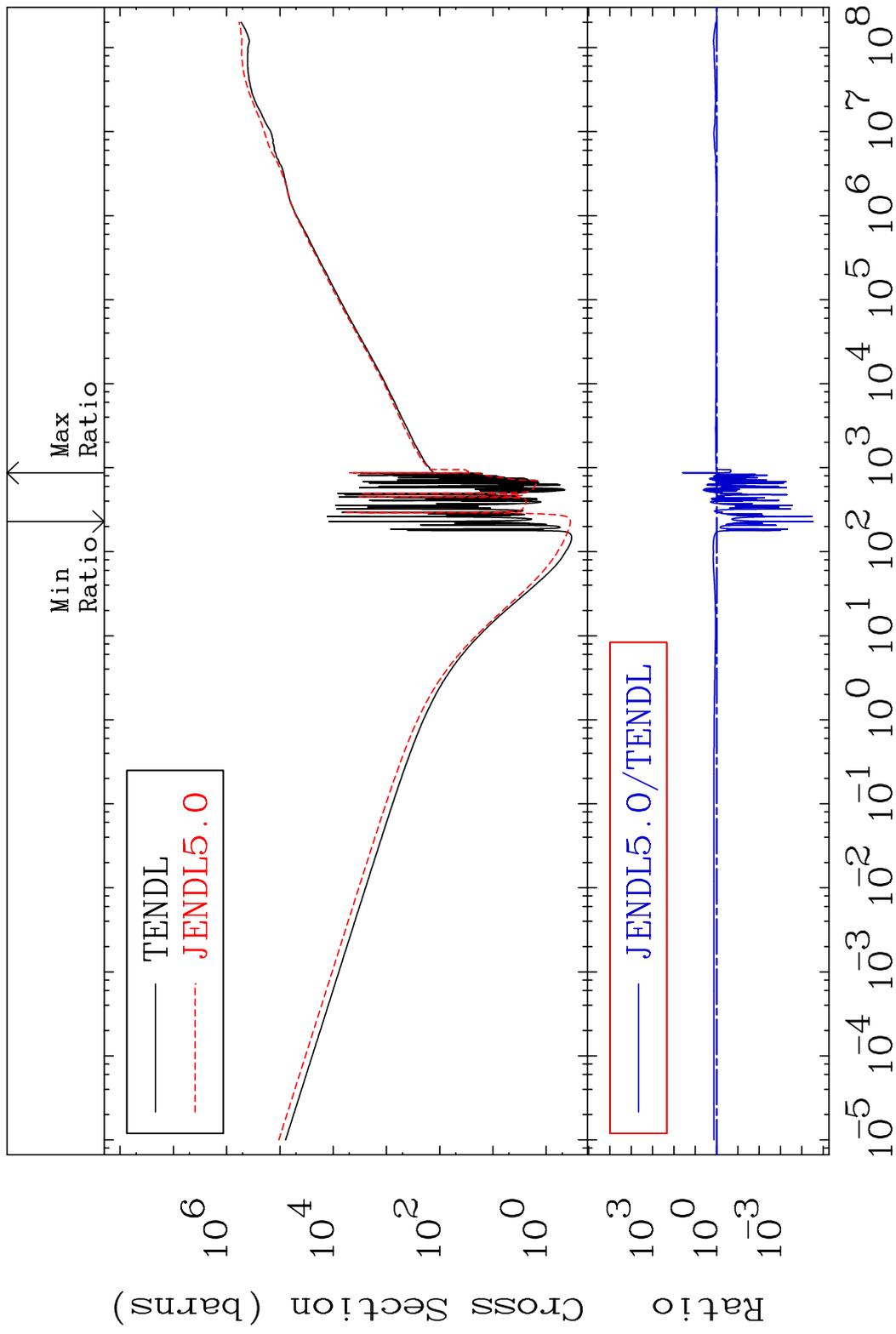


61 Incident Energy (eV) 50-Sn-115

MAT 5034 Total kinematic kerma (high limit) 50-Sn-115
 Cross Section -99.82 To 2997. %



MAT 5034 Dpa total (eV-barns) 50-Sn-115
 Cross Section -100.0 To 3709. %



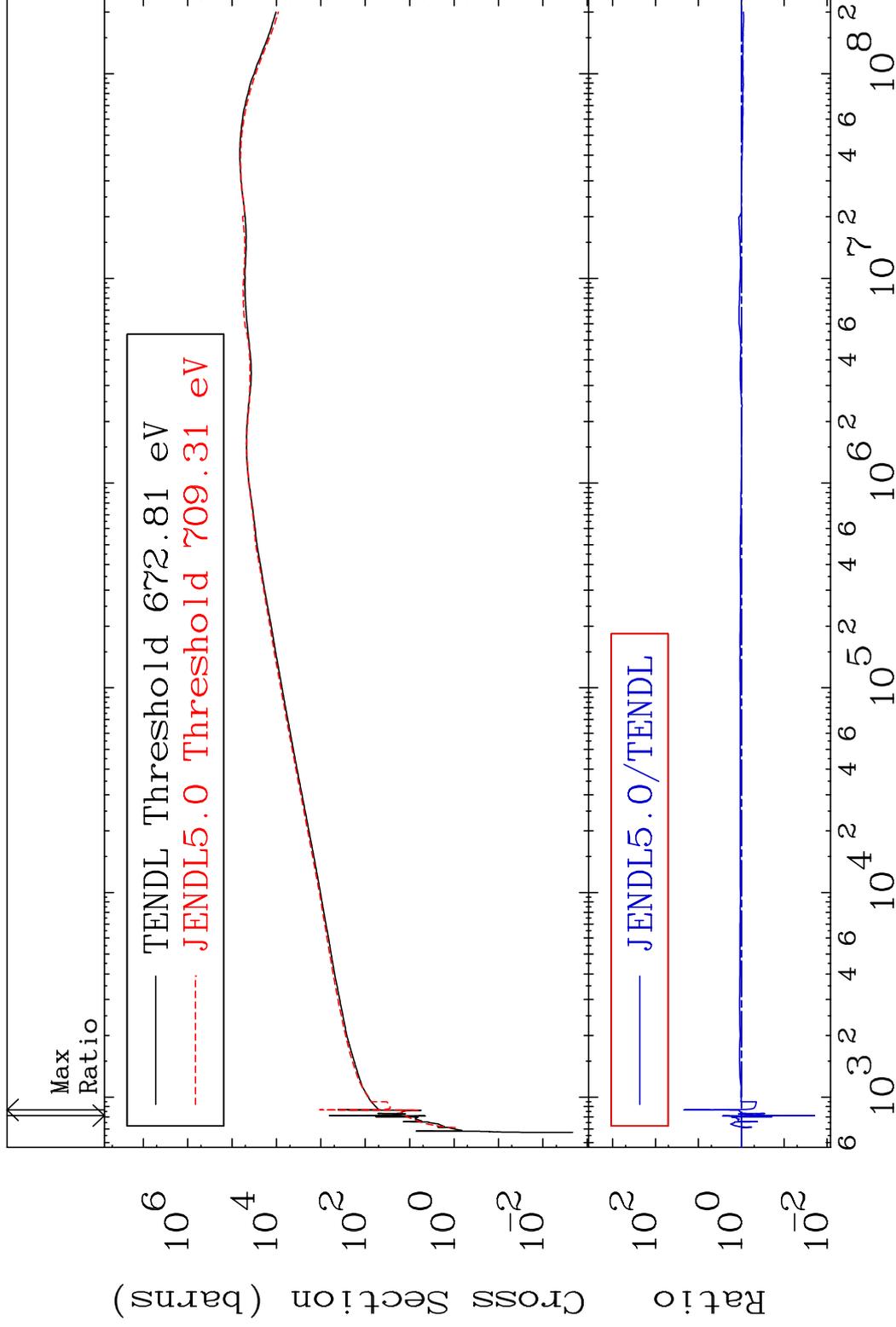
63 Incident Energy (eV) 50-Sn-115

MAT 5034

Dpa elastic (mt2)

50-Sn-115

Cross Section -98.05 To 2056. %

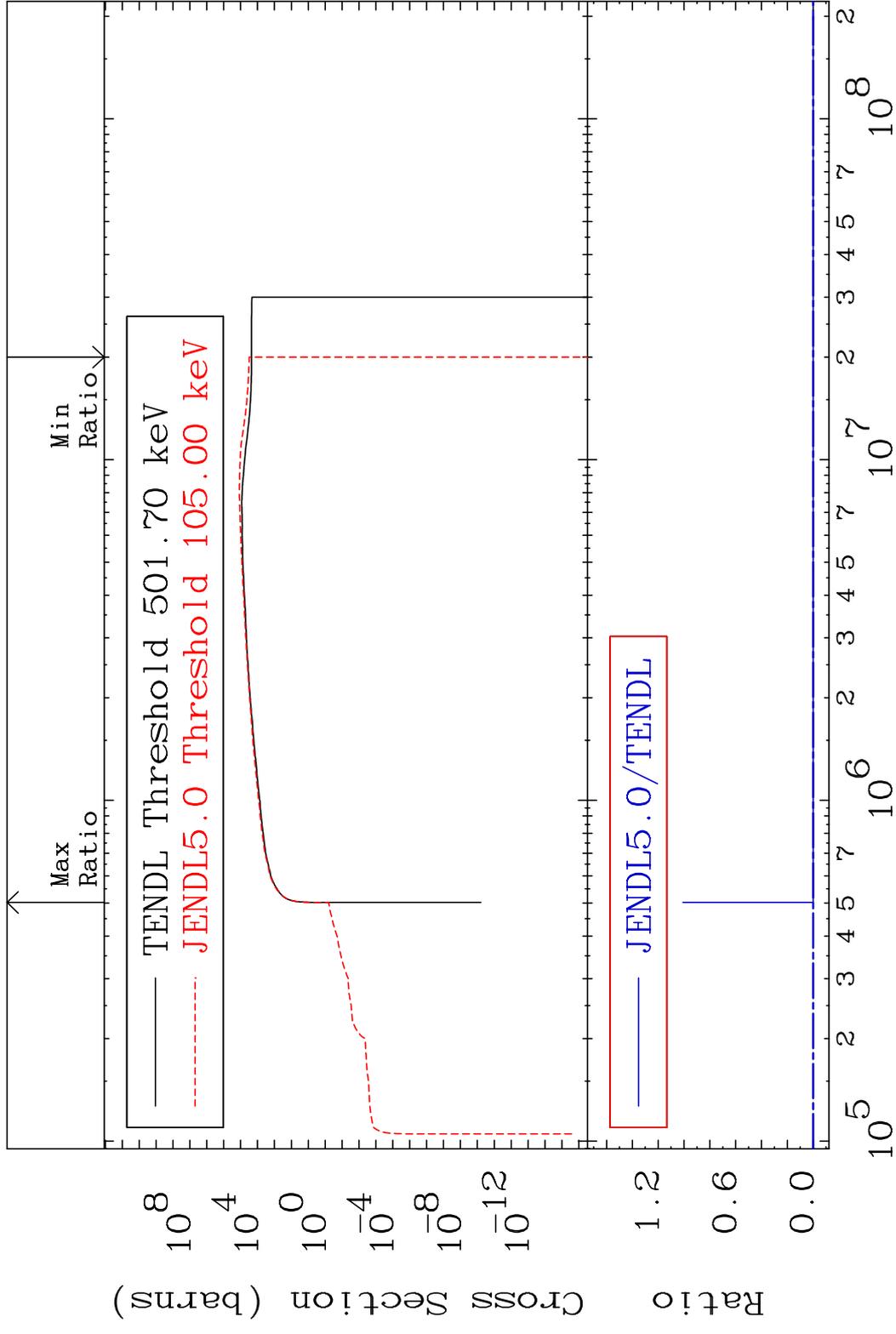


64

Incident Energy (eV)

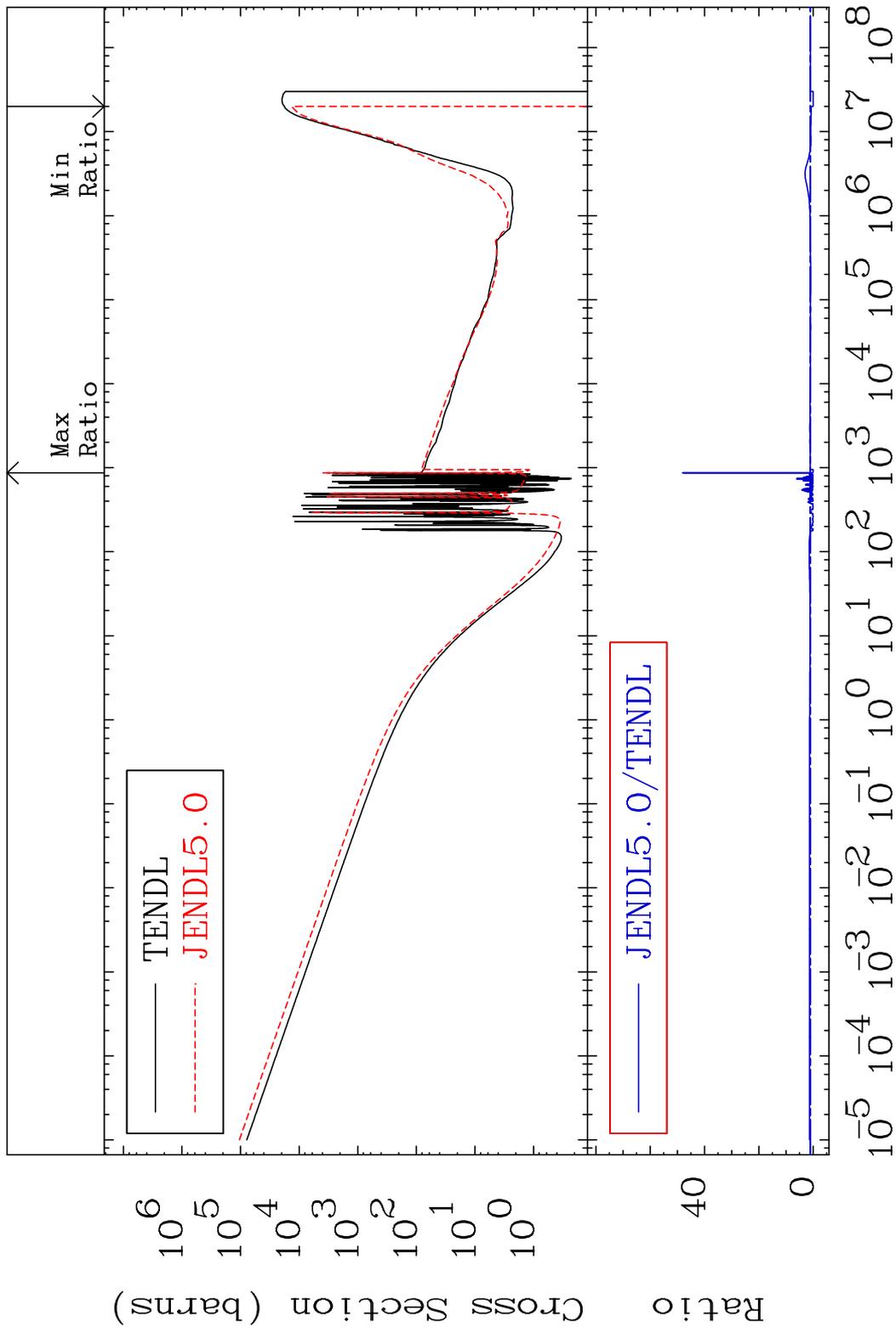
50-Sn-115

MAT 5034 Dpa inelastic (mt51-91) 50-Sn-115
 Cross Section -100.0 To 9999. %

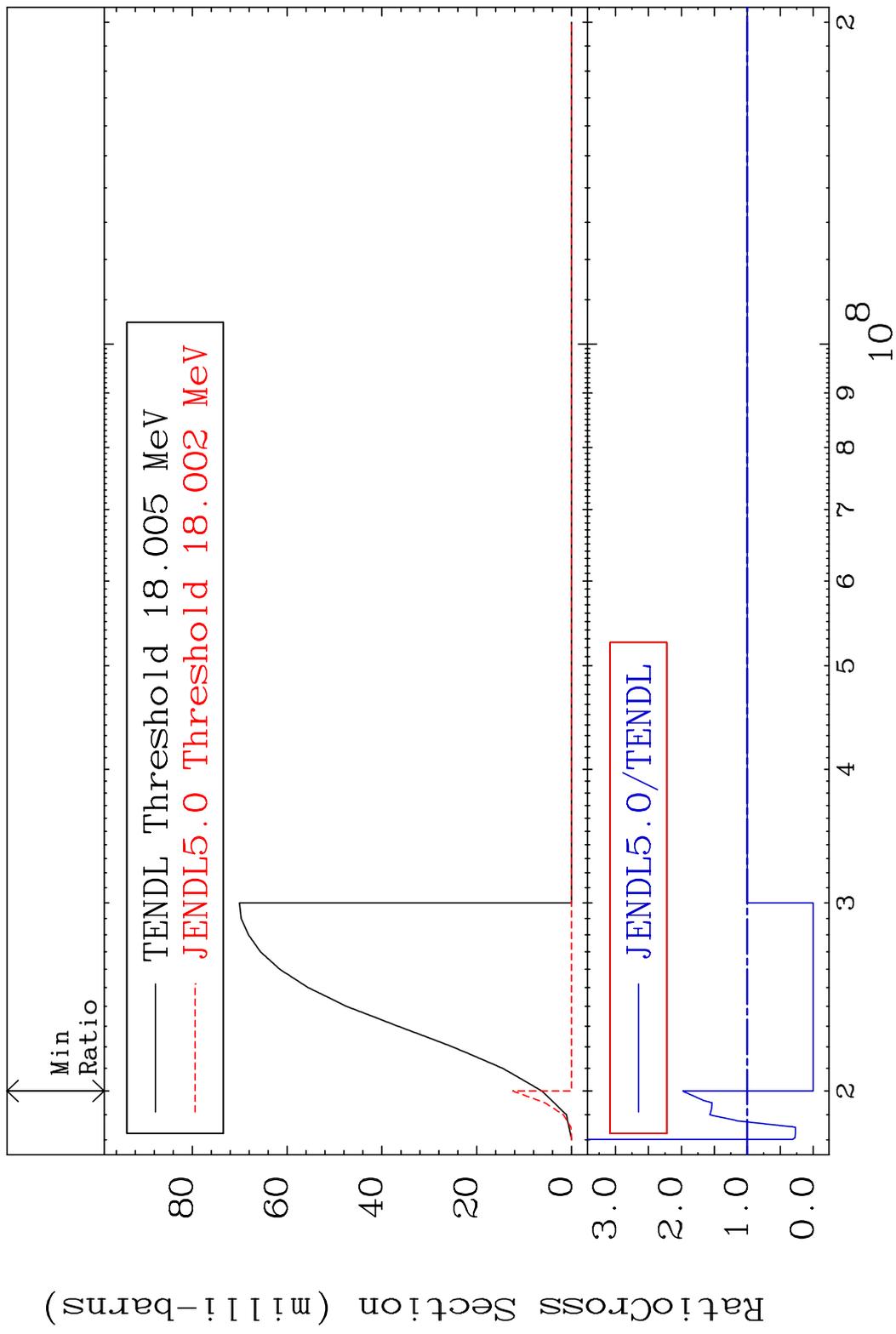


65 Incident Energy (eV) 50-Sn-115

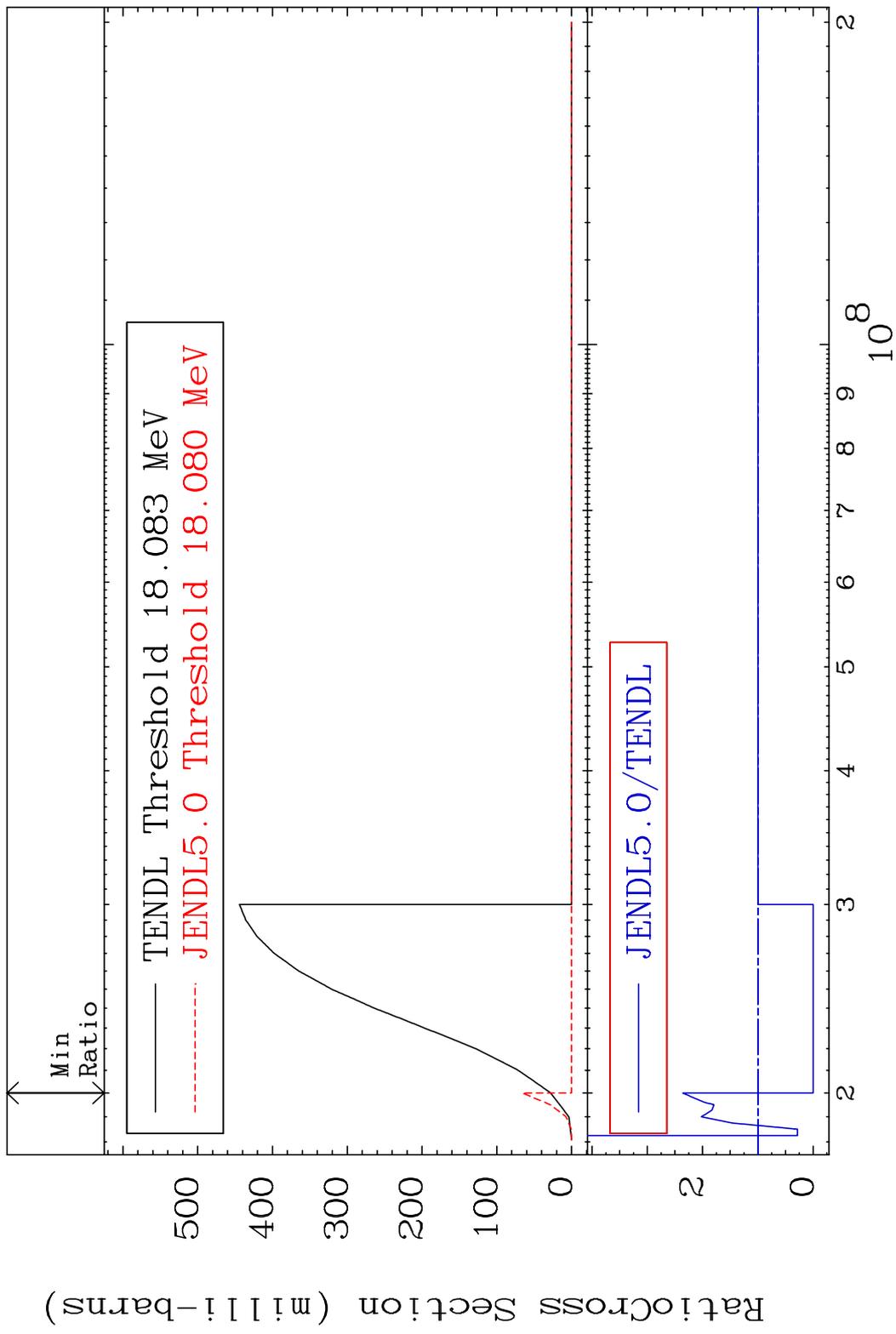
MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115
 Cross Section -100.0 To 4698. %



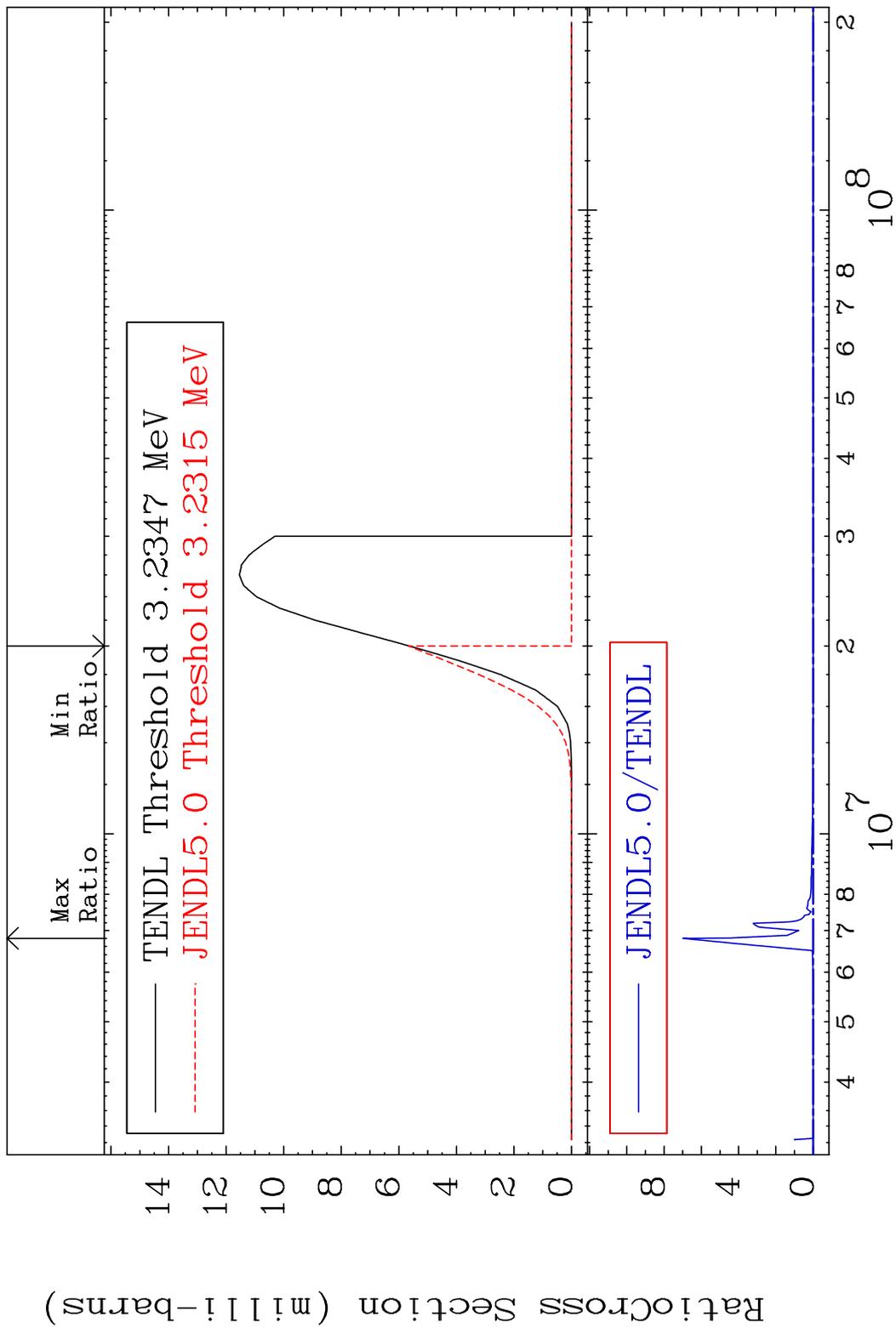
MAT 5034 (n,3n):50-Sn-113g 50-Sn-115
 Radionuclide Production Cross Section 18.002 MeV 97.88 %



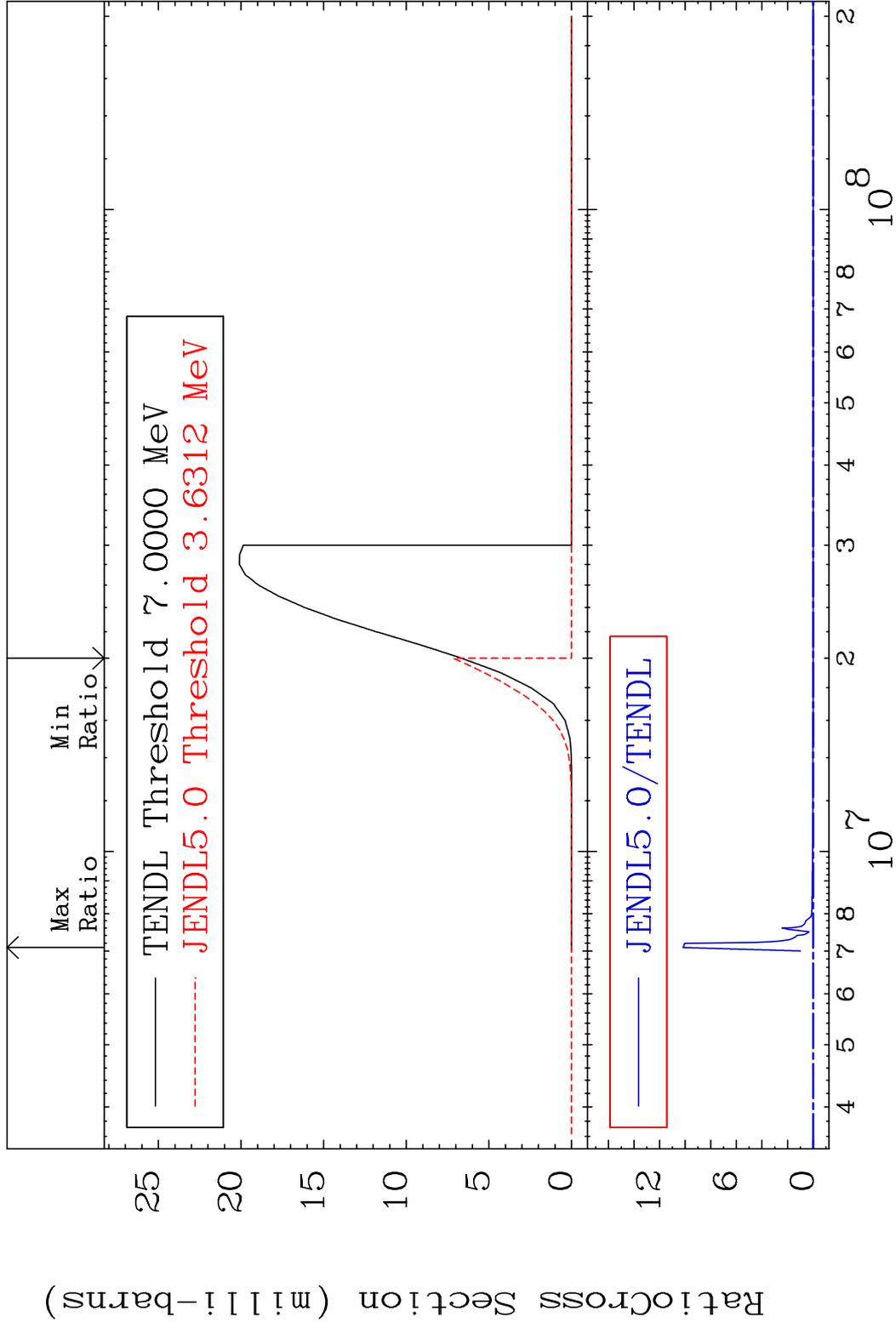
MAT 5034 (n, 3n):50-Sn-113m1 50-Sn-115
 Radionuclide Production Cross Section 135.7 %



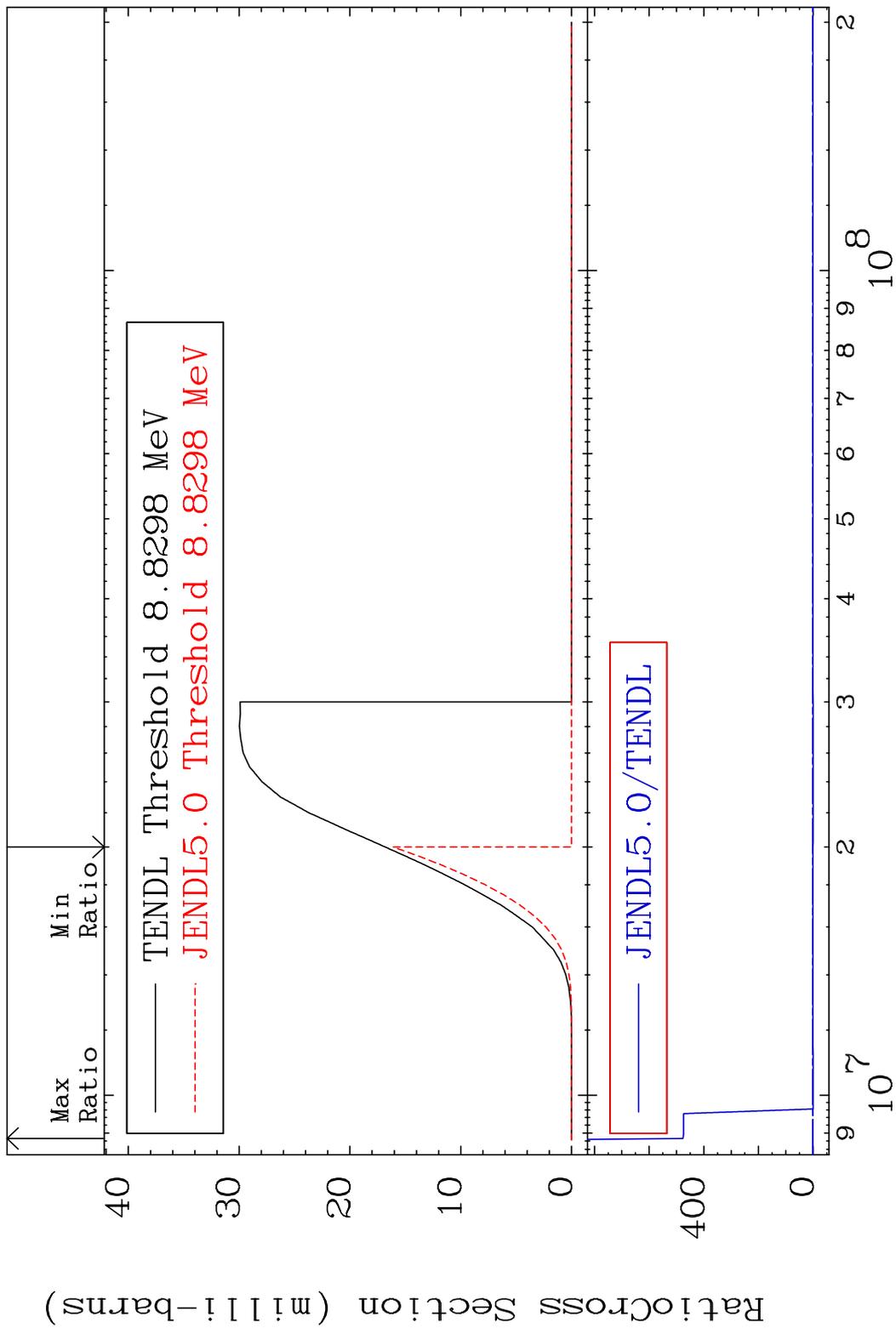
MAT 5034 (n, n') α :48-Cd-111g 50-Sn-115
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5034 (n, n') α :48-Cd-111m3 50-Sn-115
 Radionuclide Production Cross Section Ratio 9999. %

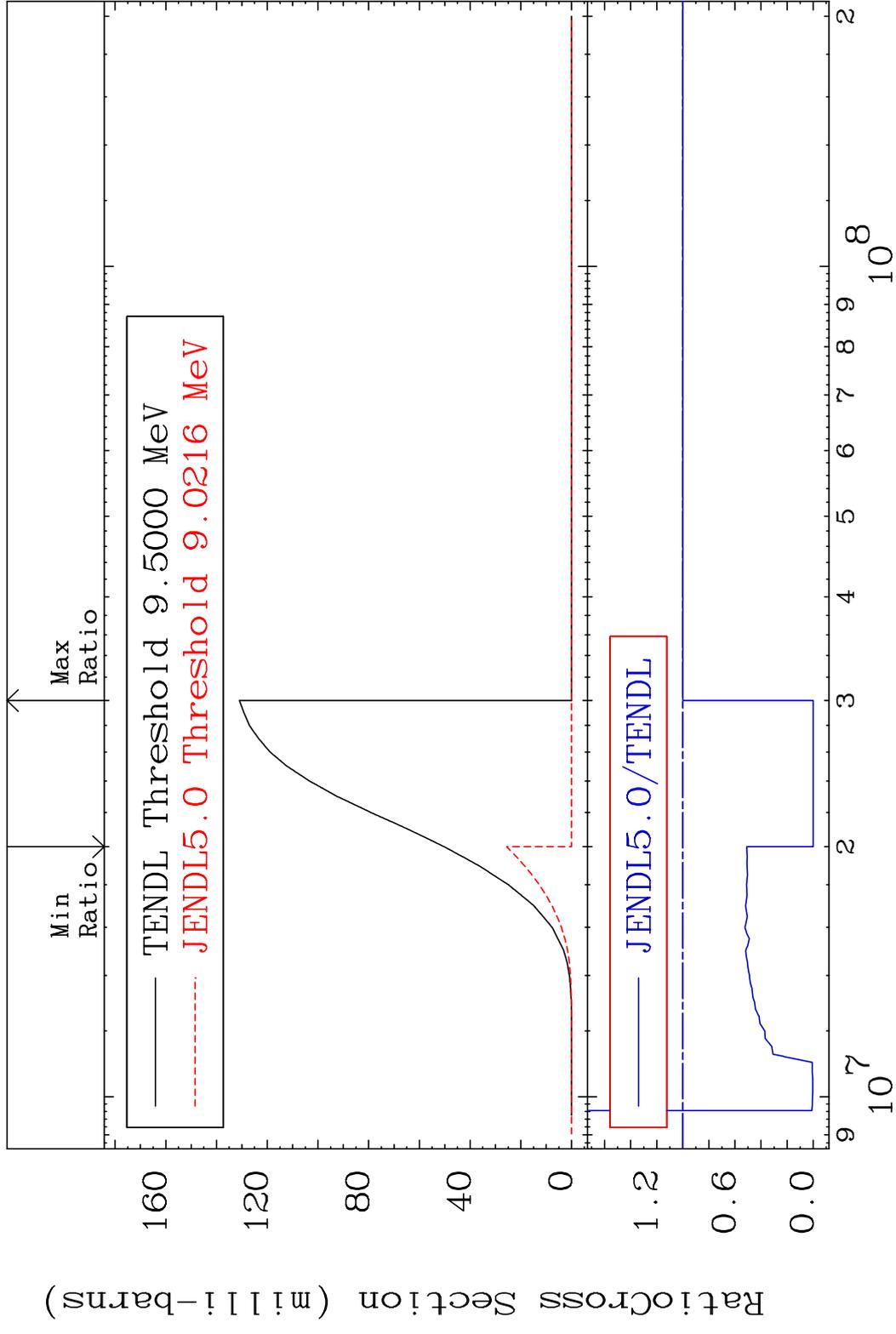


MAT 5034 (n, n') p:49-In-114g 50-Sn-115
 Radionuclide Production Cross Section to 9999. %

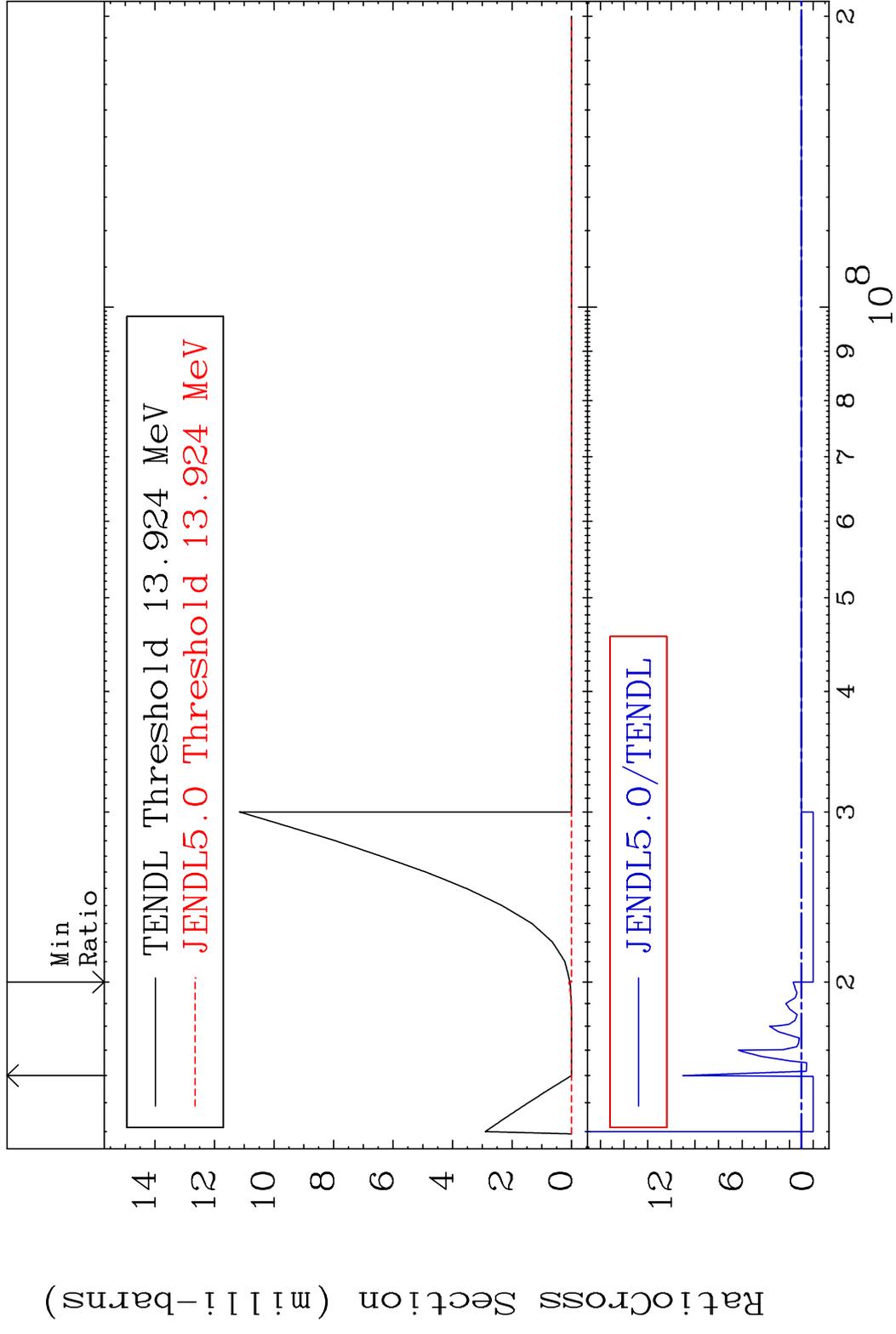


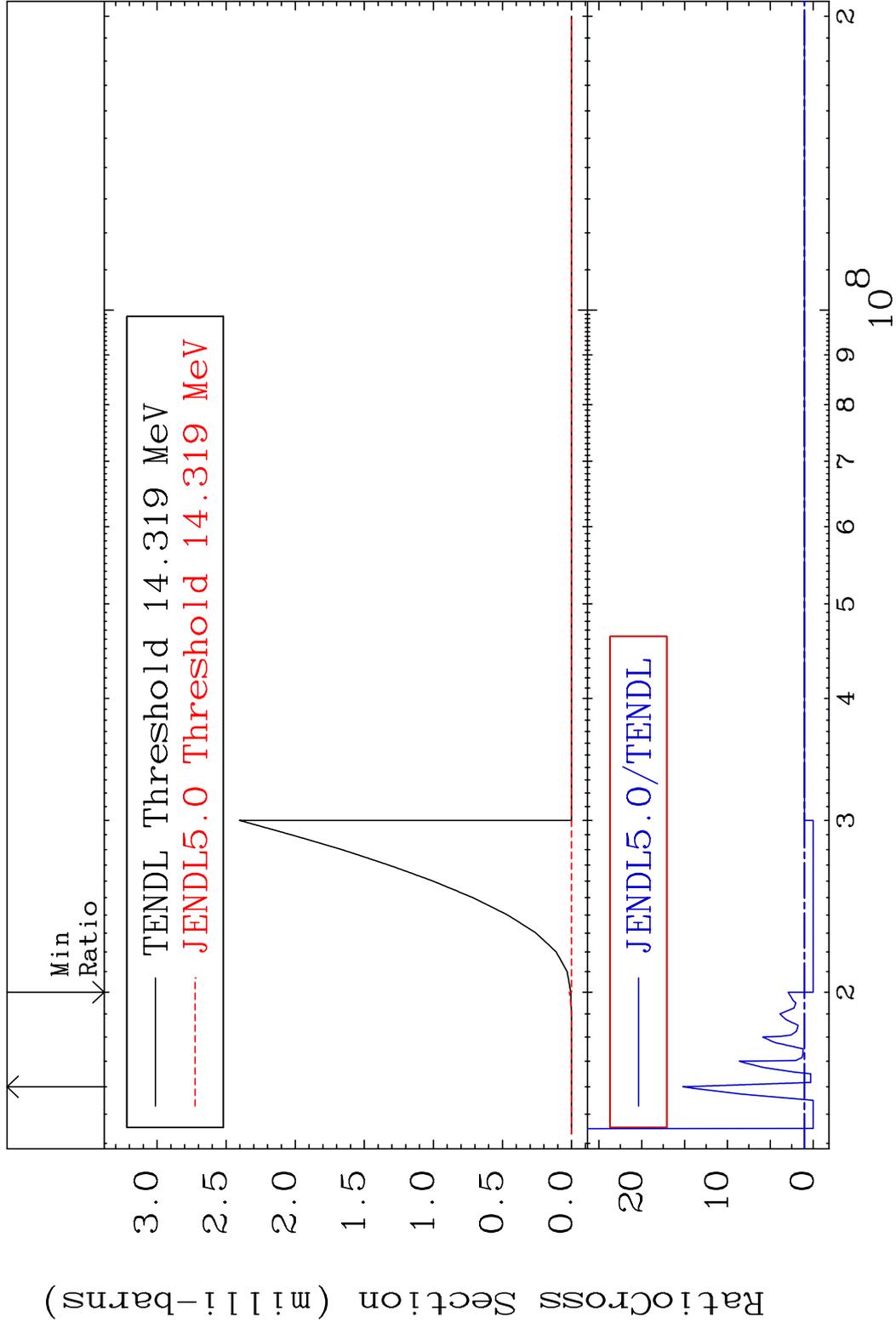
71 Incident Energy (eV) 50-Sn-115

MAT 5034 (n, n') p:49-In-114m1 50-Sn-115
 Radionuclide Production Cross Section 180.0 dth 0.000 %

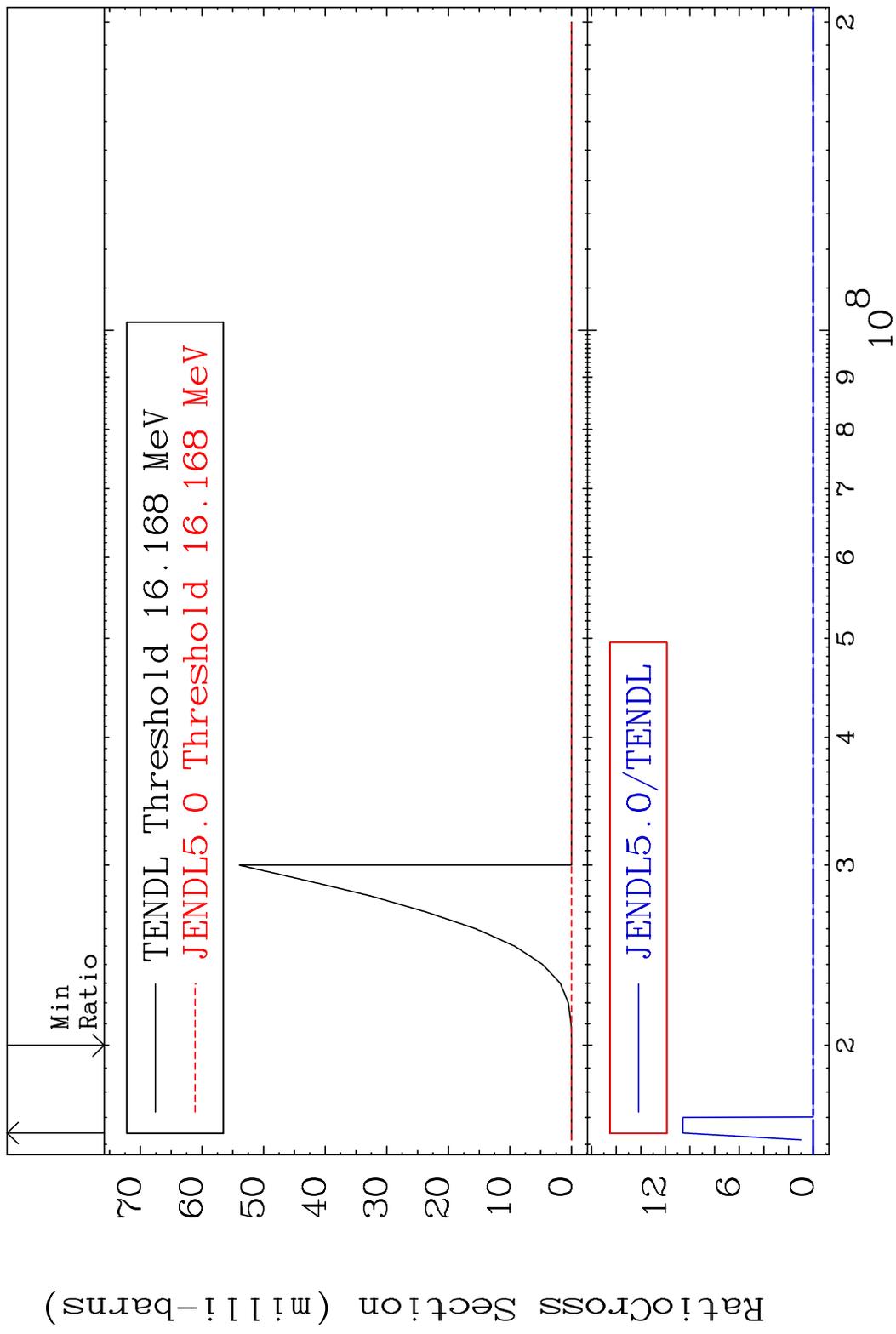


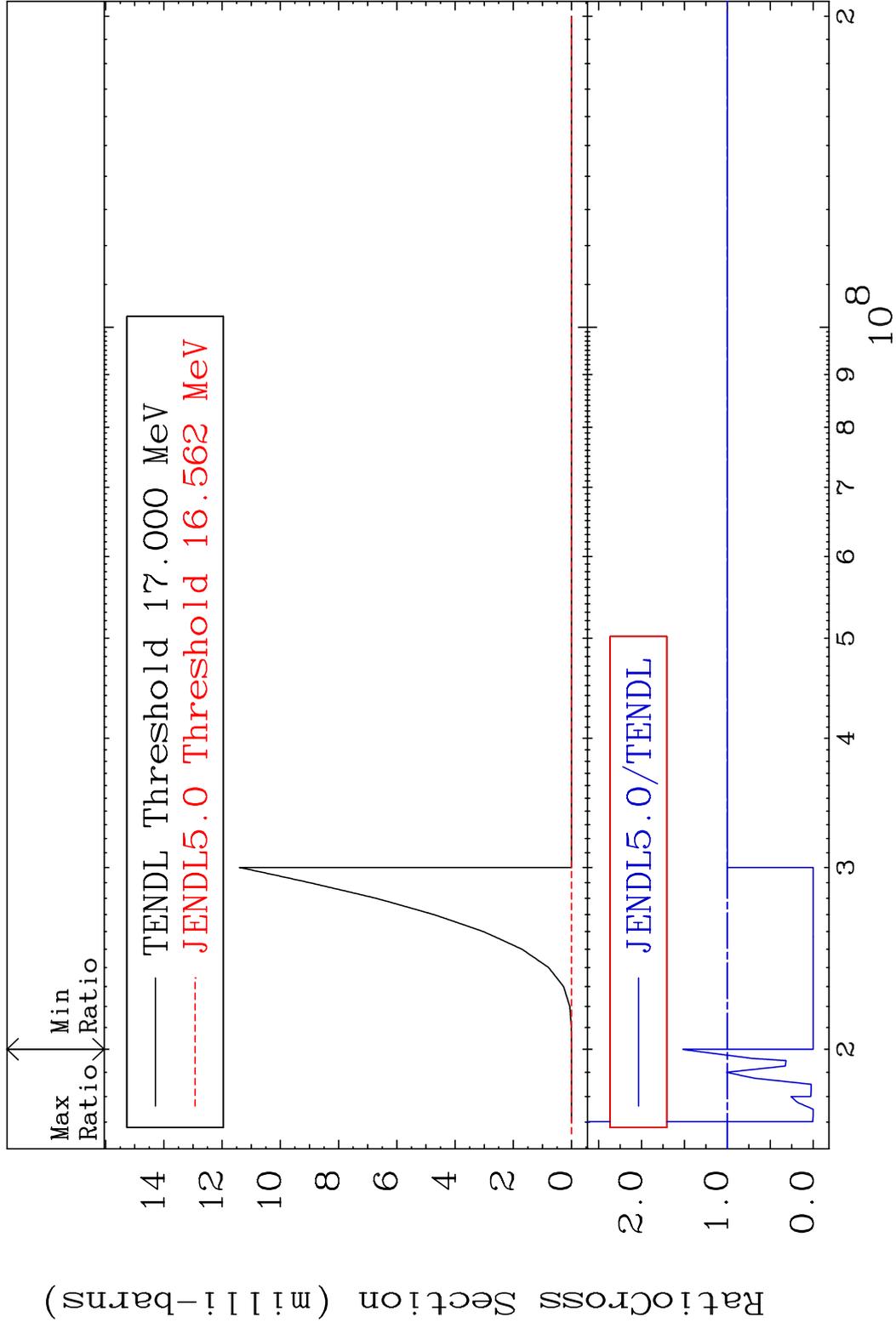
72 Incident Energy (eV) 50-Sn-115



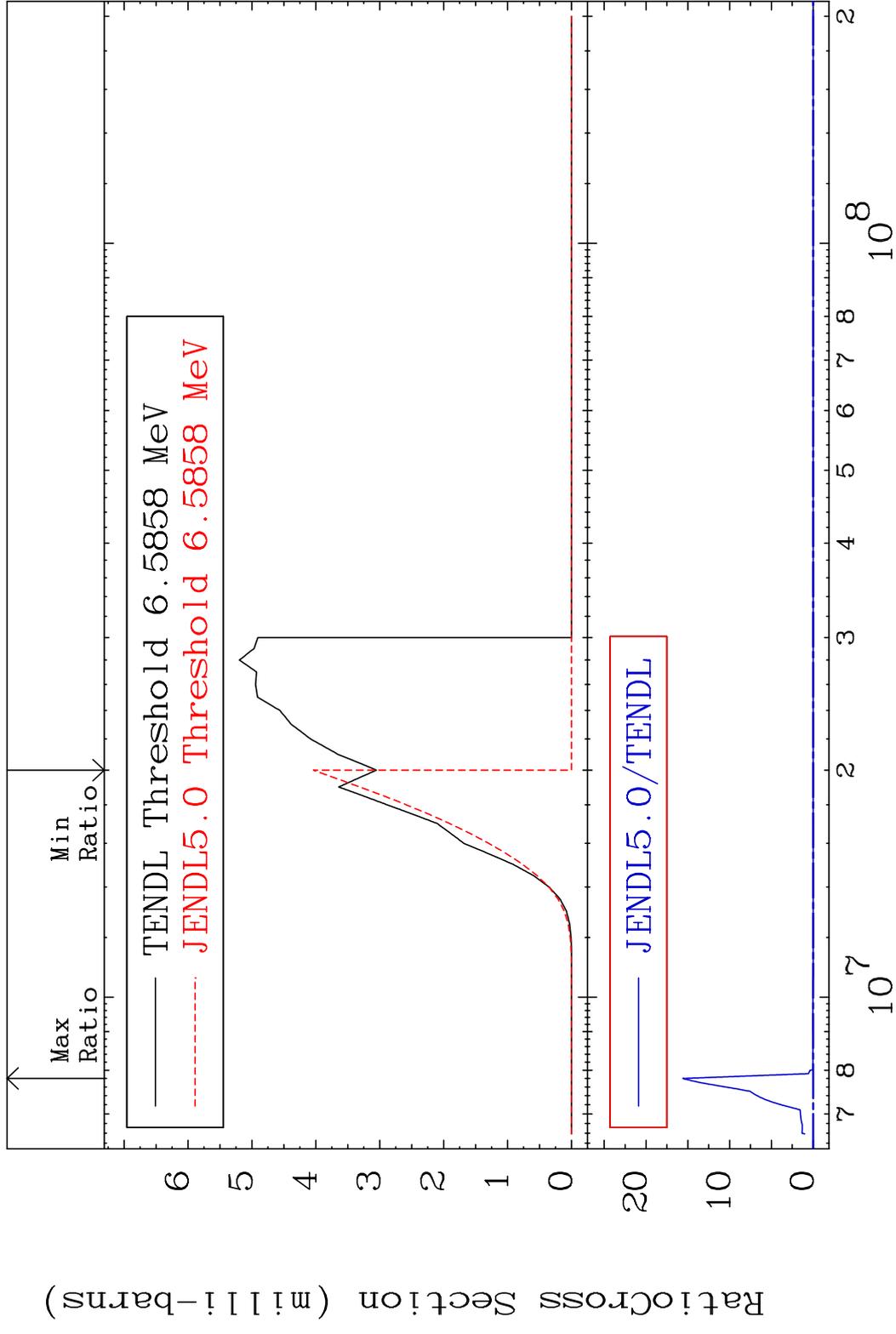


MAT 5034 (n,2n) p:49-In-113g 50-Sn-115
 Radionuclide Production Cross Section 100.00 dth 9999. %

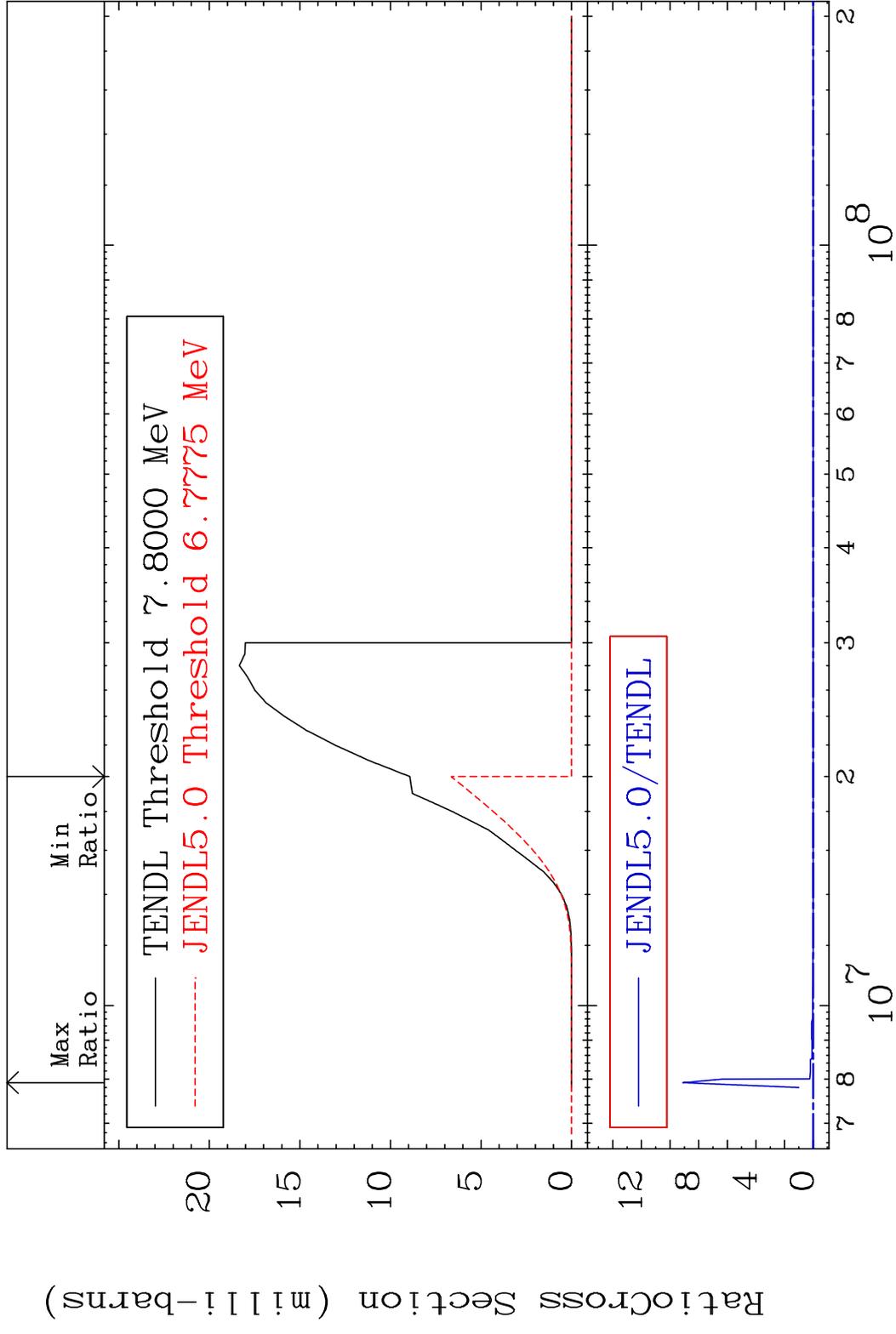




MAT 5034 (n,d):49-In-114g 50-Sn-115
 Radionuclide Production Cross Section 100.00 dth 9999. %



MAT 5034 (n, d): 49-In-114m1 50-Sn-115
 Radionuclide Production Cross Section Ratio



MAT 5034 (n,t):49-In-113g 50-Sn-115
 Radionuclide Production Cross Section 5596. %

