

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

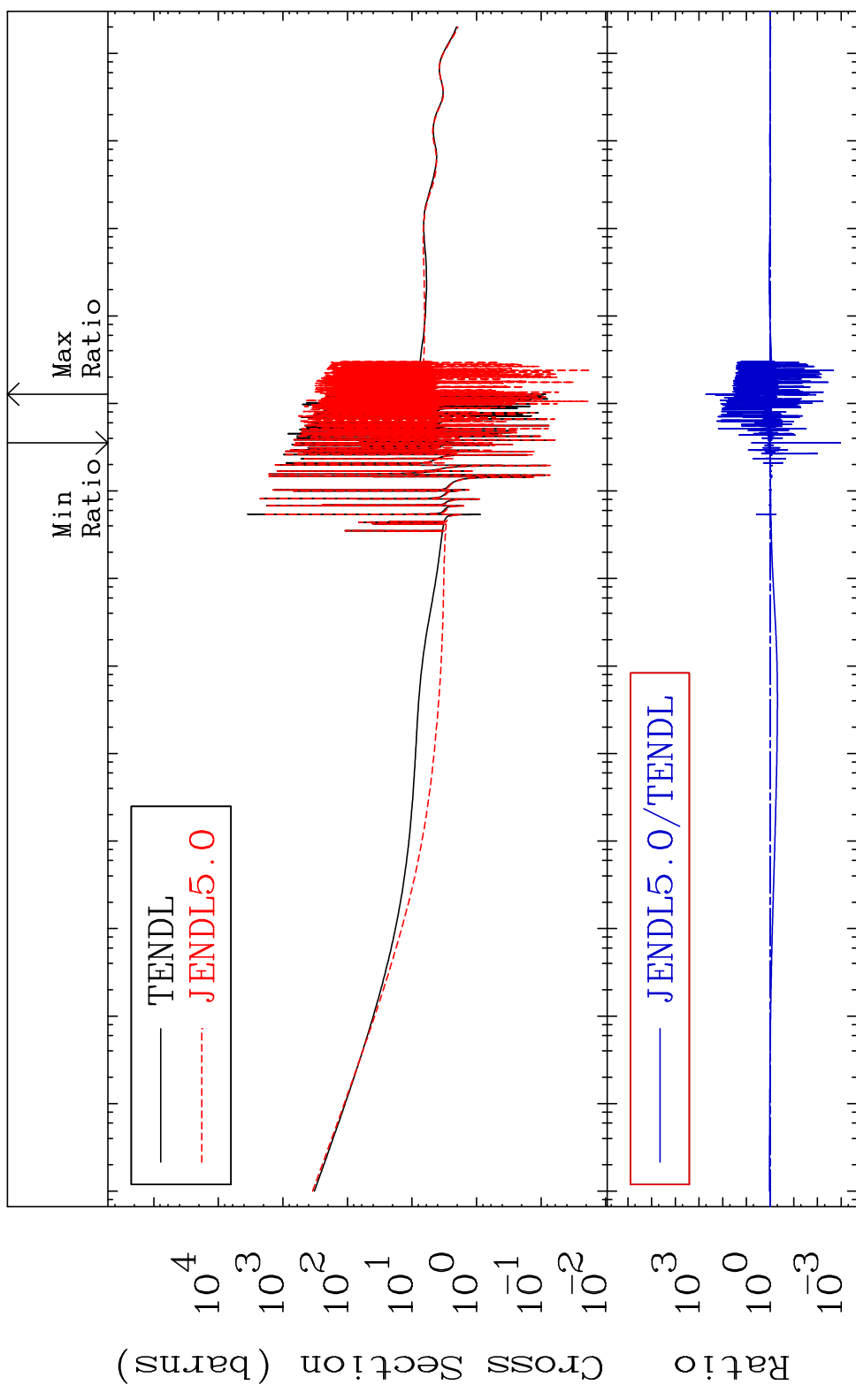
MAT 5237

Total

52-Te-124

Cross Section

-99.89 To 9999. %



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

1

Incident Energy (eV)

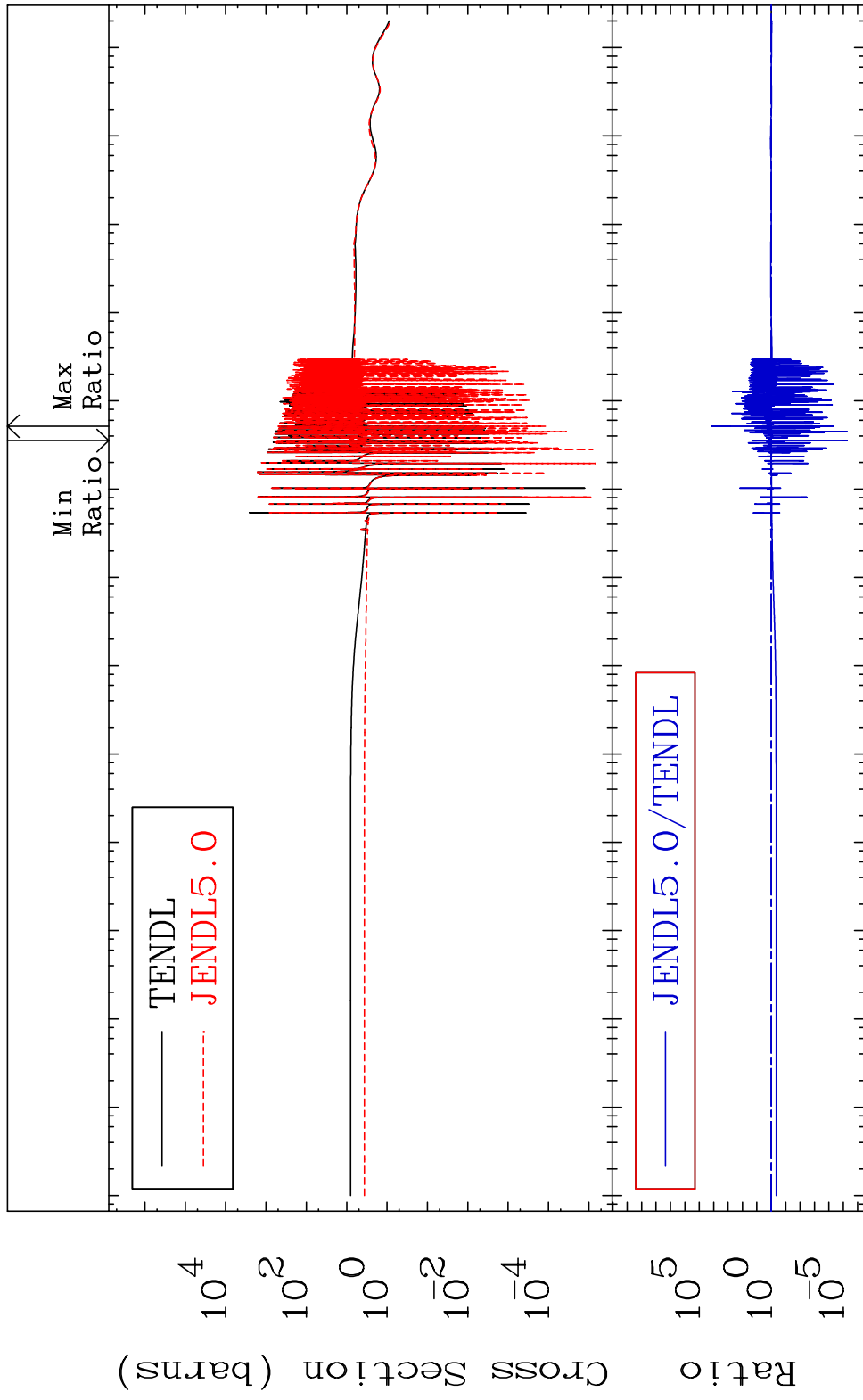
52-Te-124

MAT 5237

Elastic

52-Te-124

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

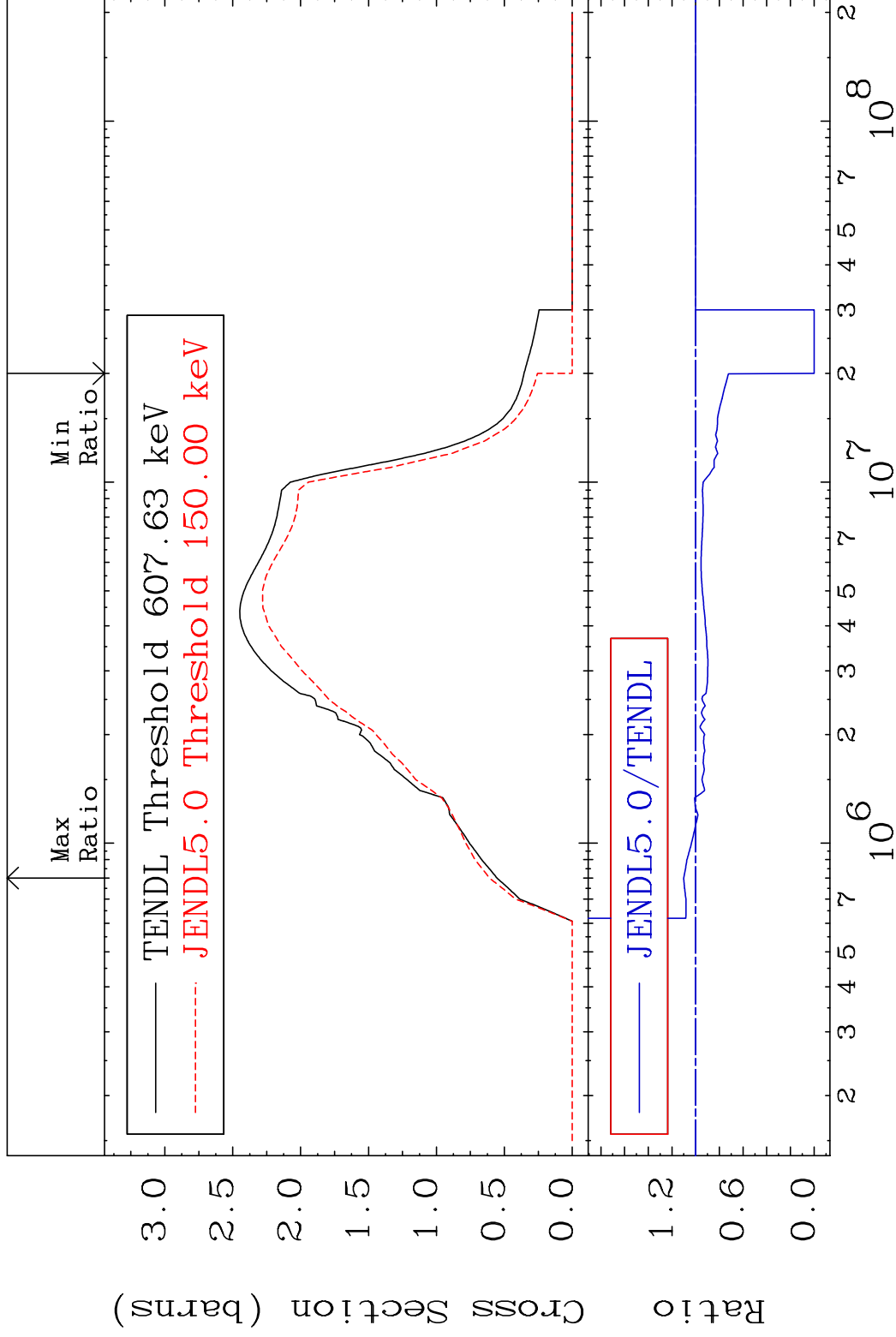
52-Te-124

MAT 5237

Inelastic

52-Te-124

Cross Section -100.0 To 10.12 %



3

Incident Energy (eV)

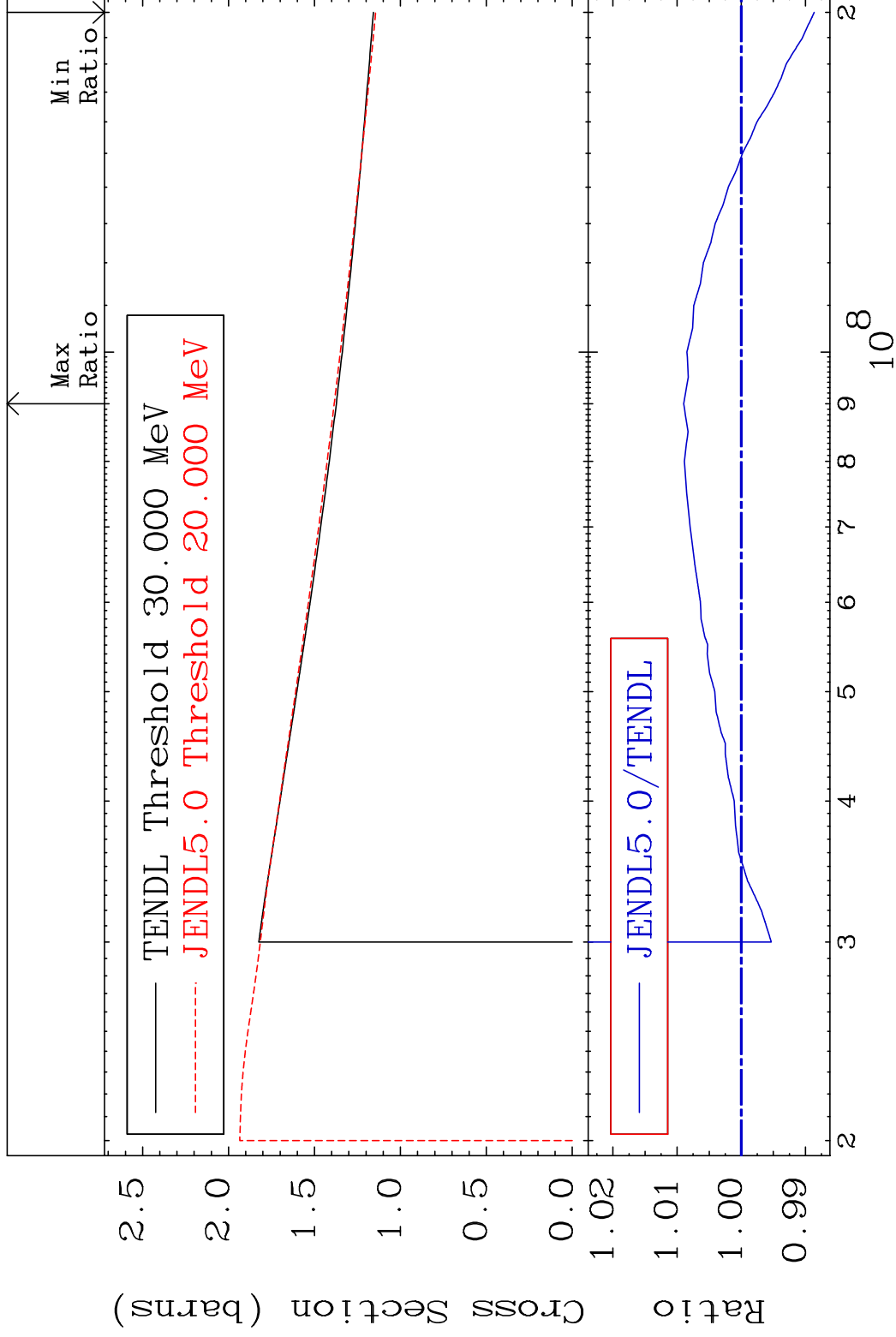
52-Te-124

MAT 5237

(n, remainder)

52-Te-124

Cross Section -1.136 To 0.898 %



4

Incident Energy (eV)

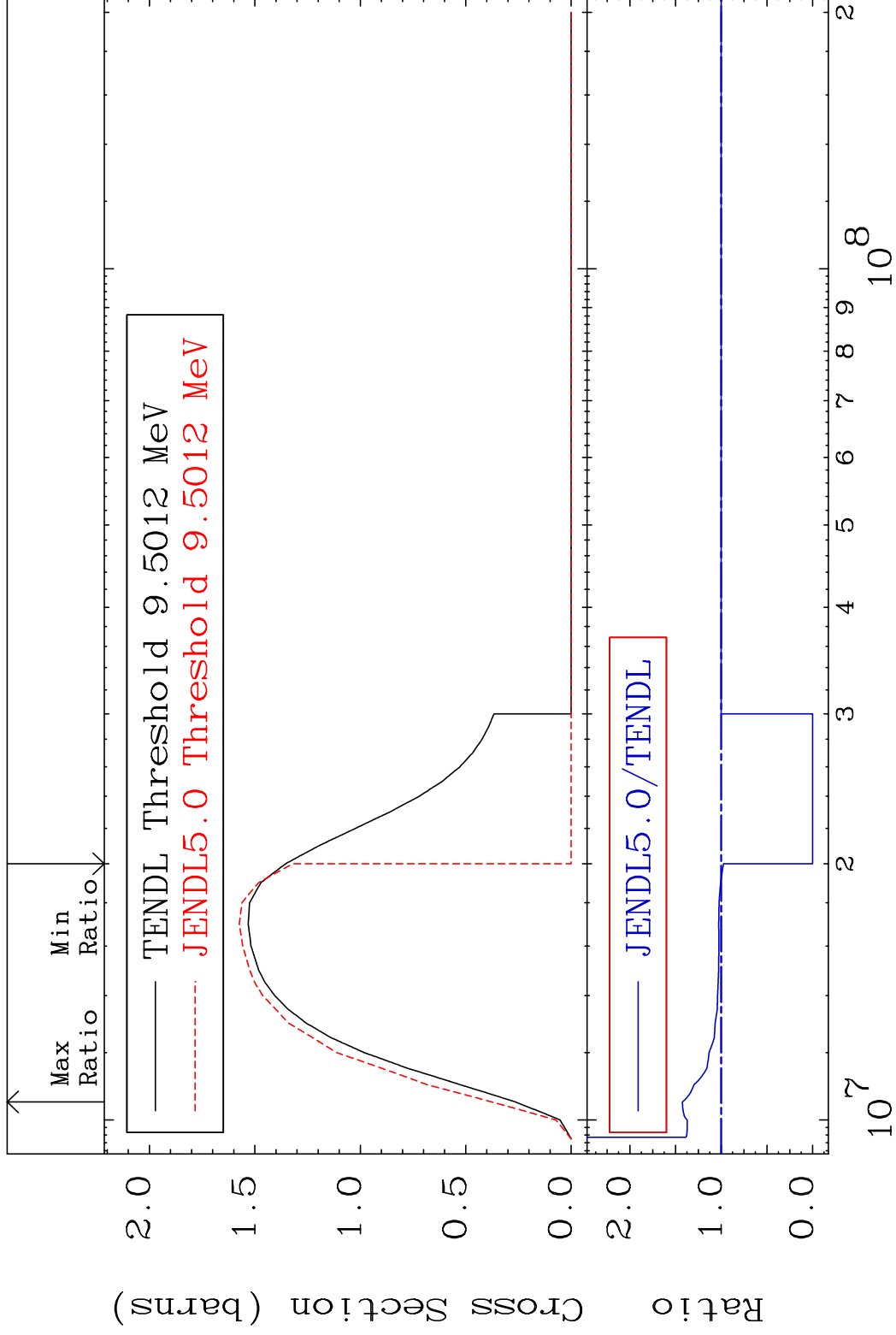
52-Te-124

MAT 5237

(n,2n)

52-Te-124

Cross Section -100.0 To 42.57 %



5

Incident Energy (eV)

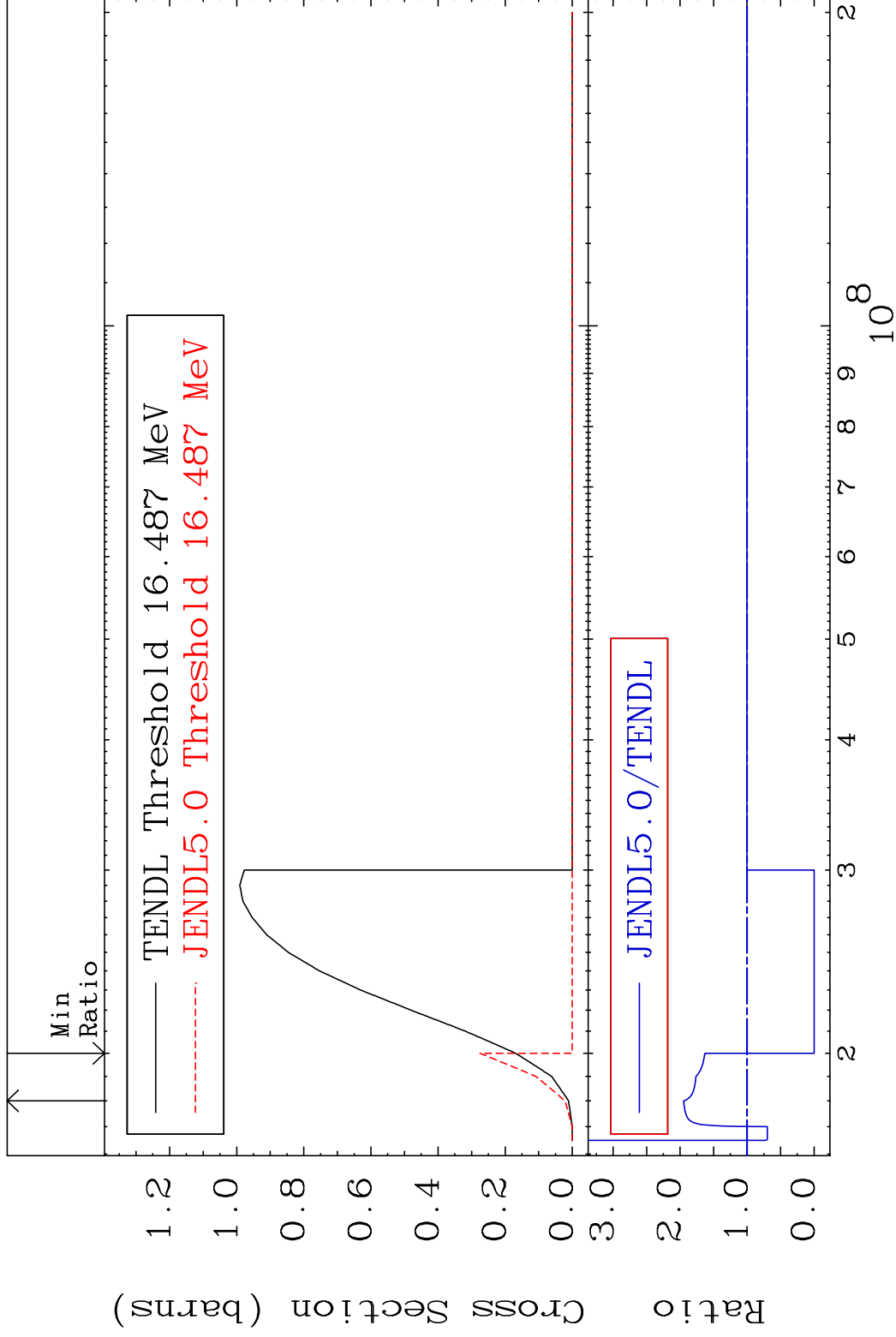
52-Te-124

MAT 5237

(n,3n)

52-Te-124

Cross Section -100.0 To 94.67 %

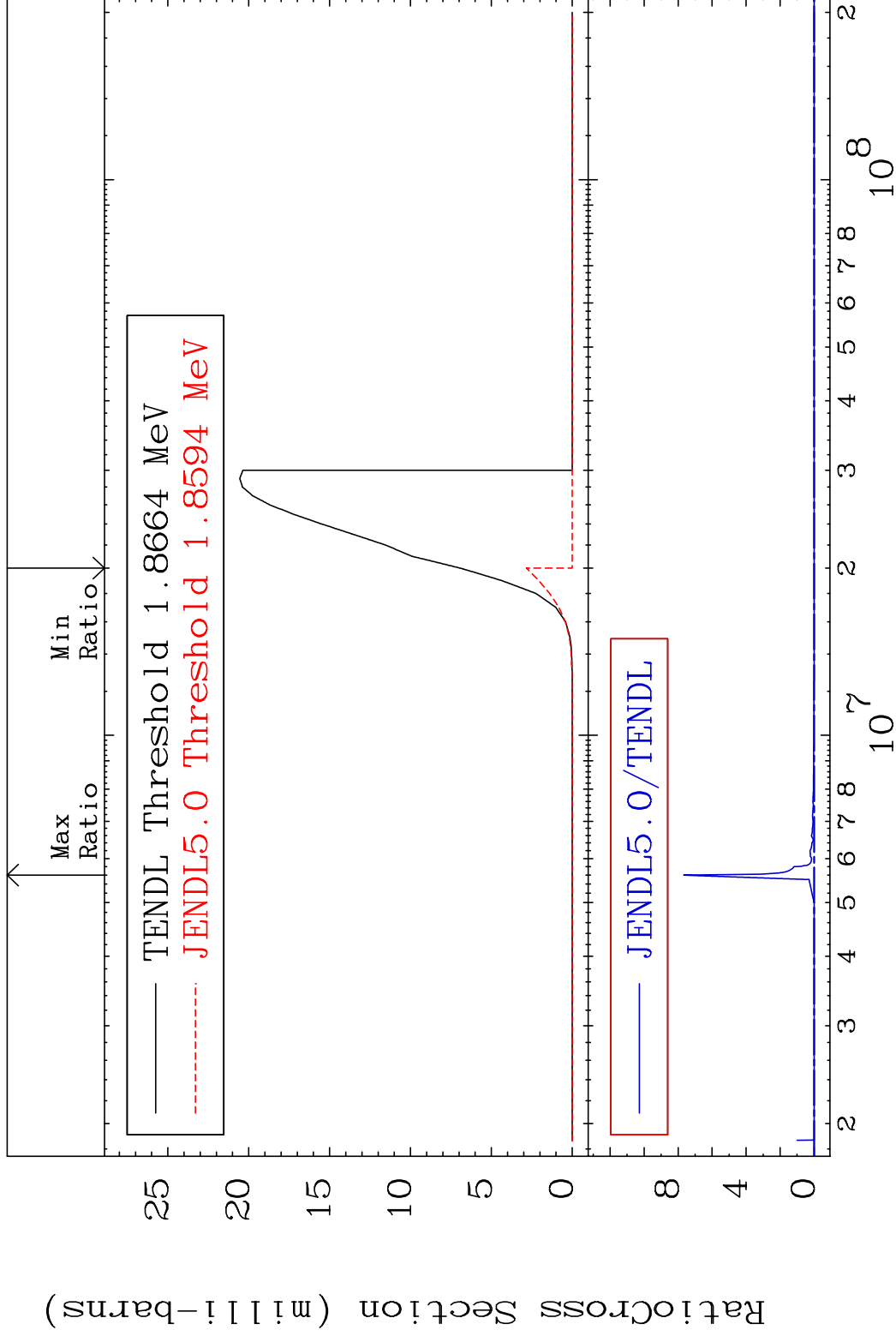


MAT 5237

(n, n') α

52-Te-124

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

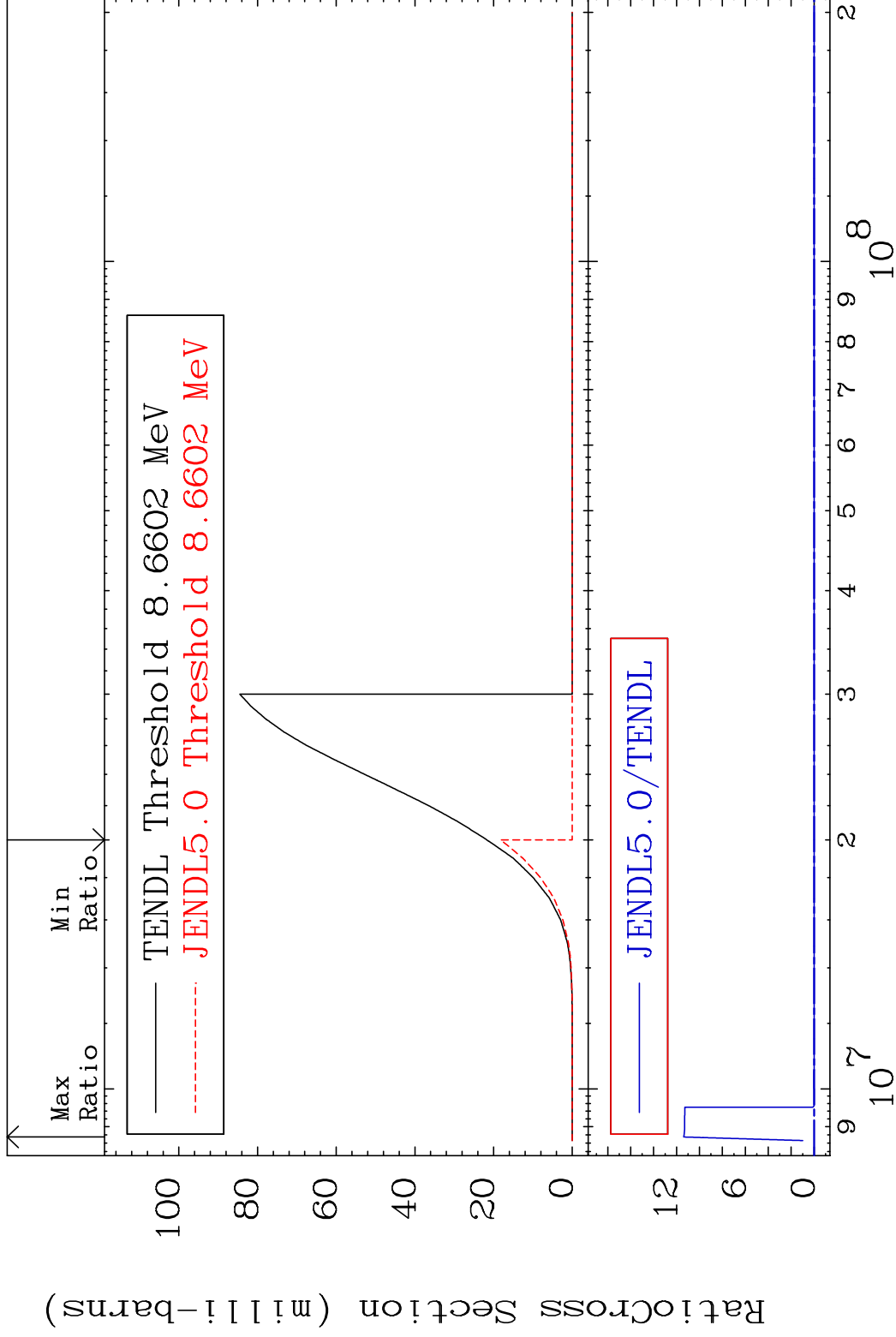
52-Te-124

MAT 5237

(n,n') p

52-Te-124

Cross Section -100.0 To 9999. %



52-Te-124

Incident Energy (eV)

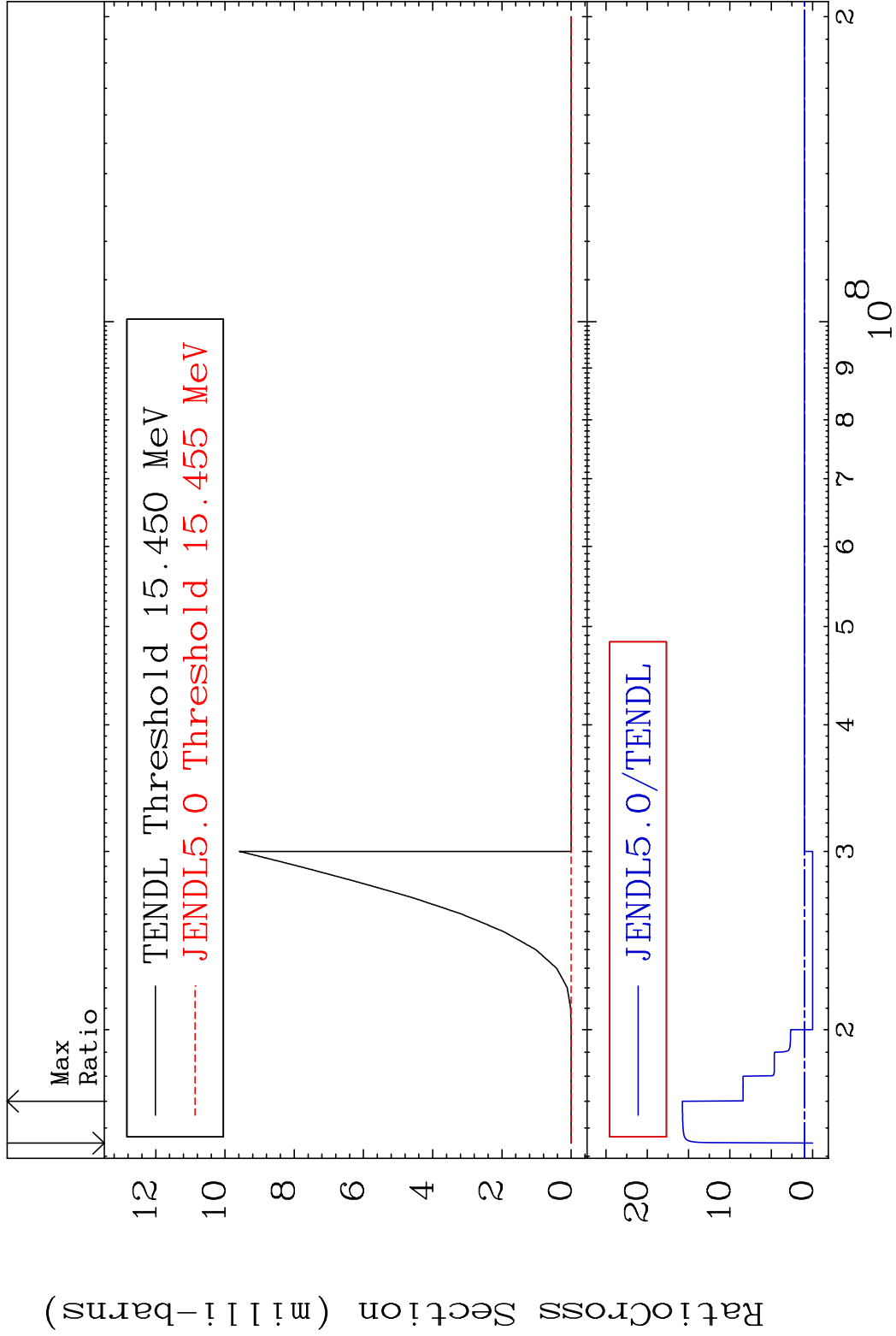
8

MAT 5237

(n, n') d

52-Te-124

Cross Section -100.0 To 1476. %

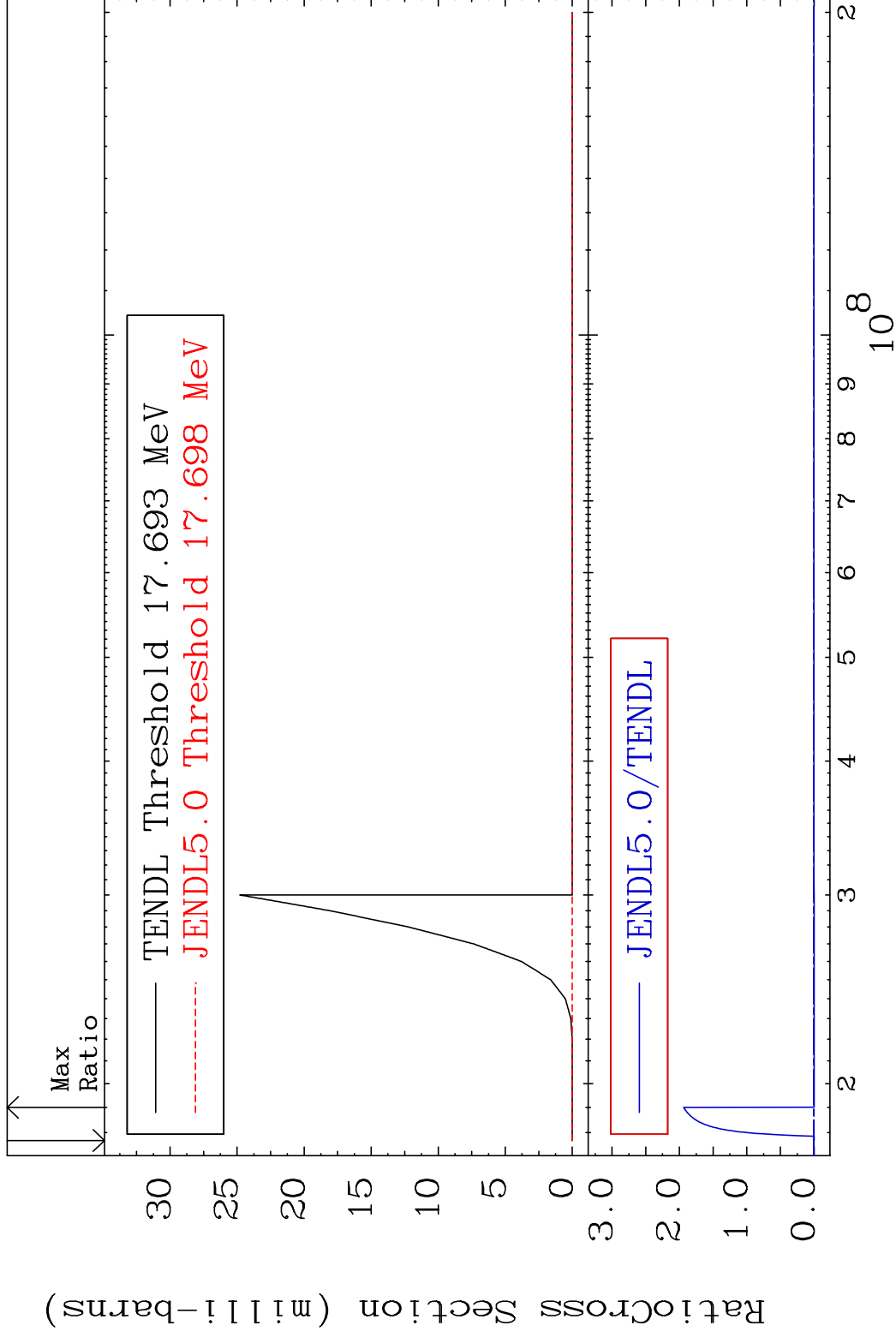


MAT 5237

(n,2n) p

52-Te-124

Cross Section -100.0 To 9999. %

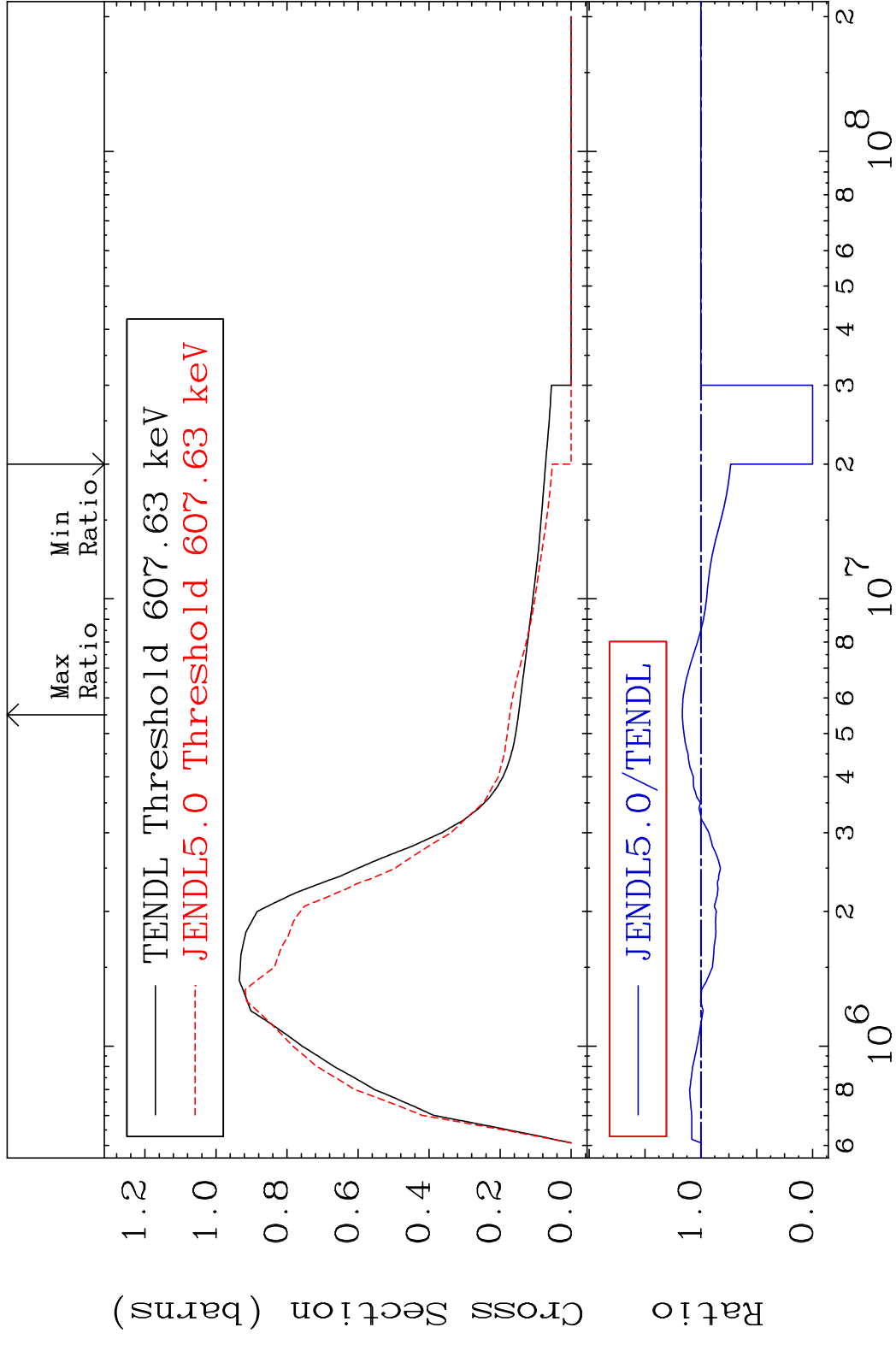


10

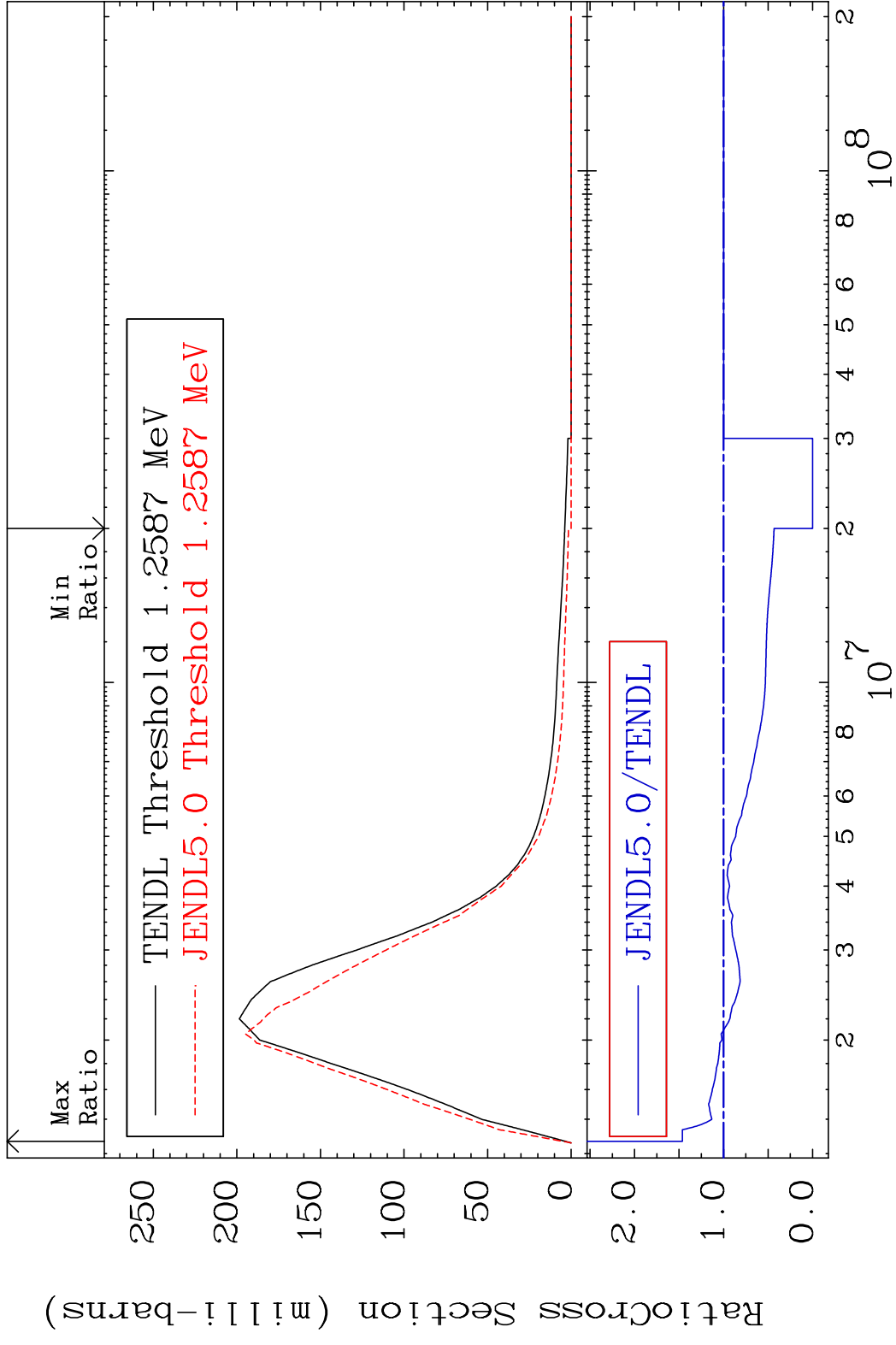
Incident Energy (eV)

52-Te-124

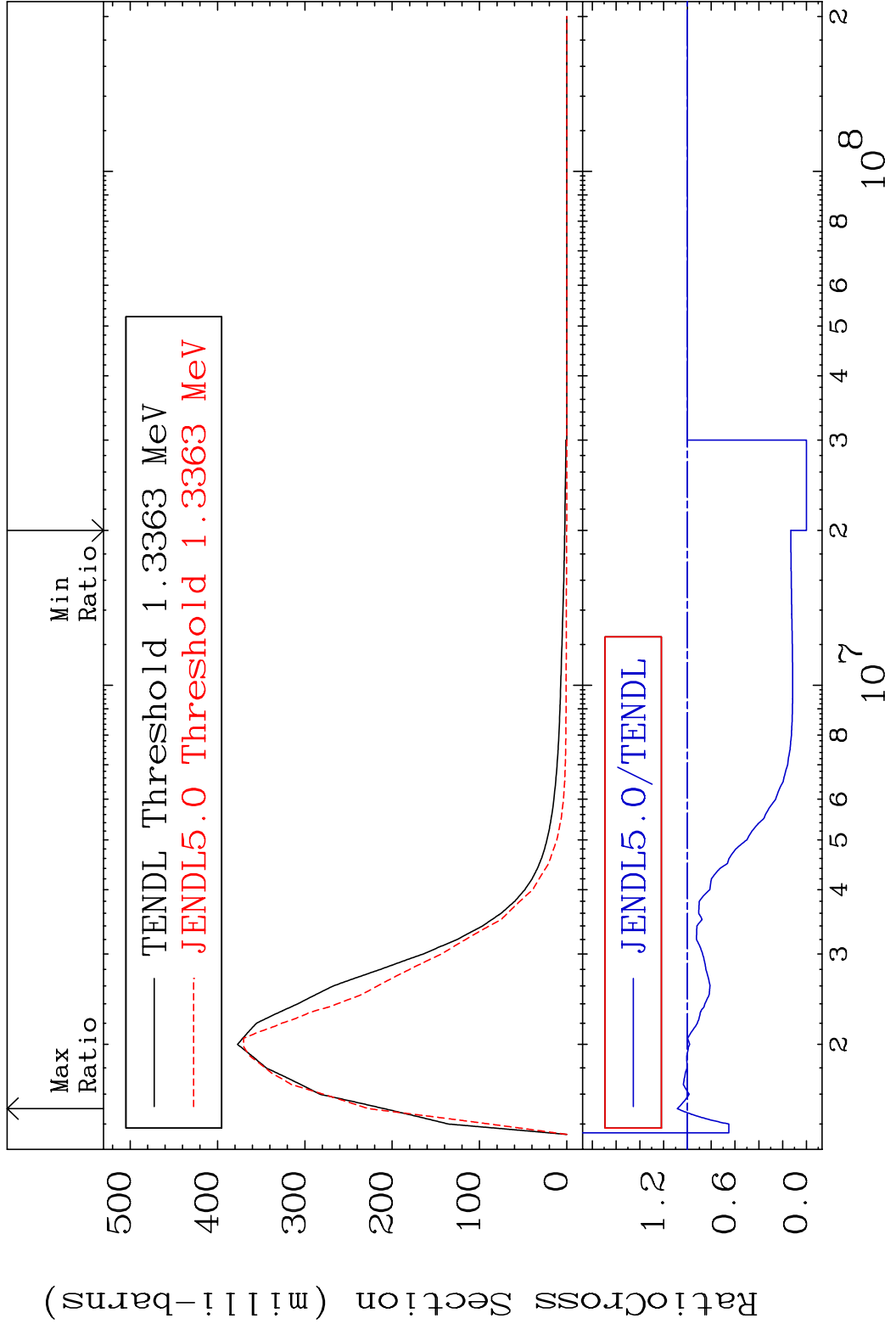
MAT 5237 MT= 51 (n, n') Level 52-Te-124
 Cross Section -100.0 To 16.59 %



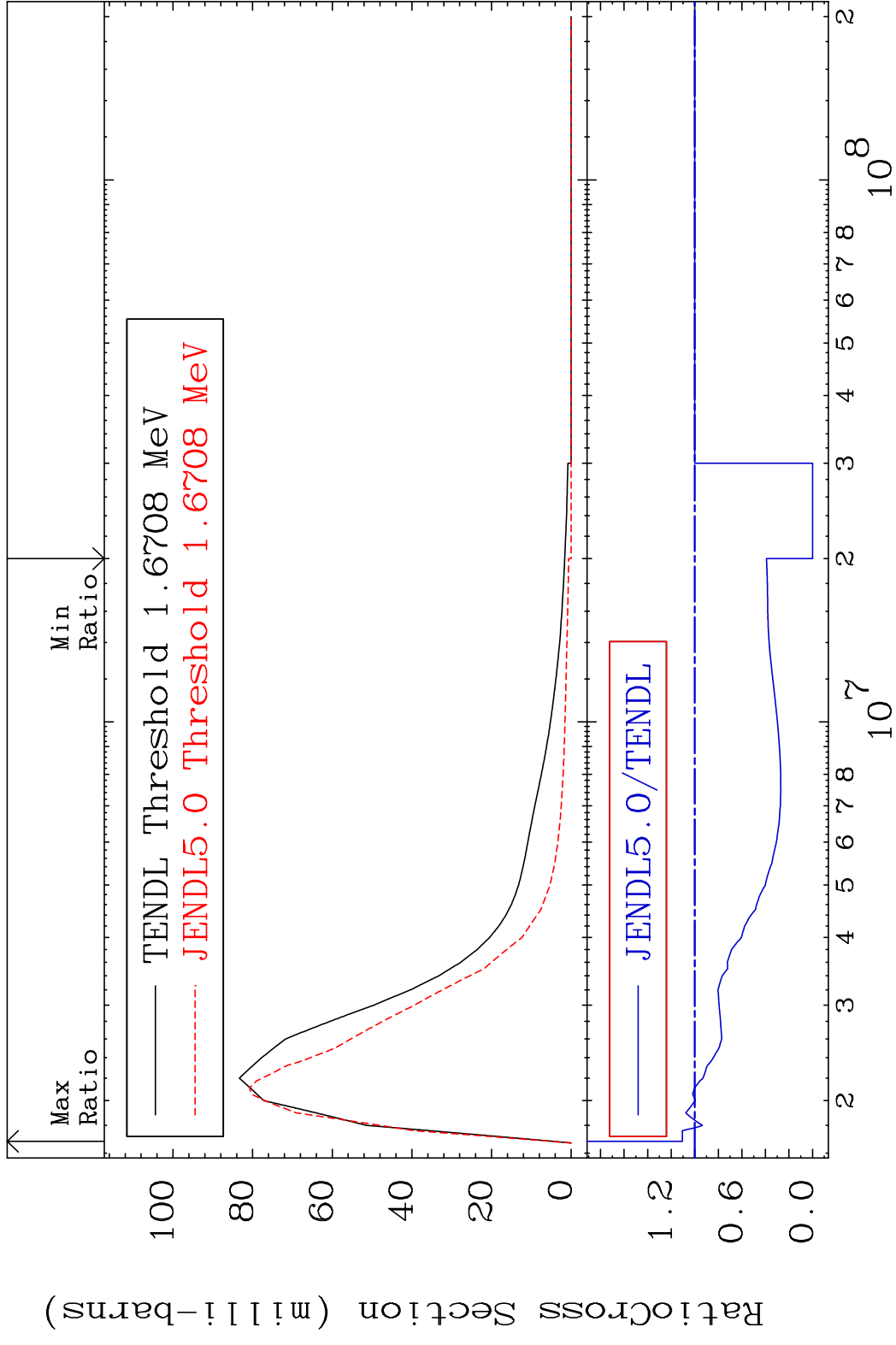
MAT 5237 MT= 52 (n, n') Level 52-Te-124
 Cross Section -100.0 To 46.30 %



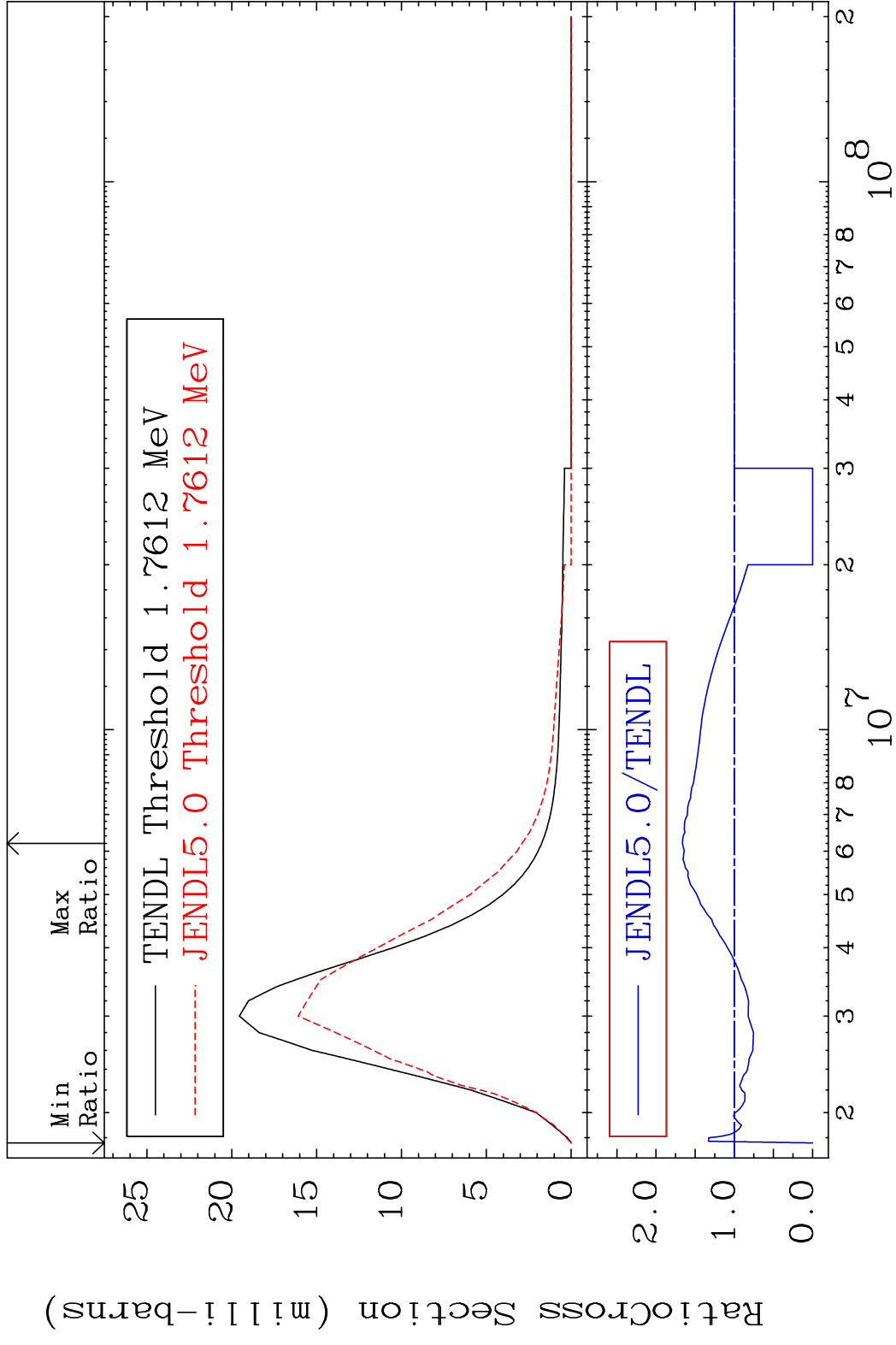
MAT 5237 MT= 53 (n, n') Level 52-Te-124
 Cross Section -100.0 To 8.617 %



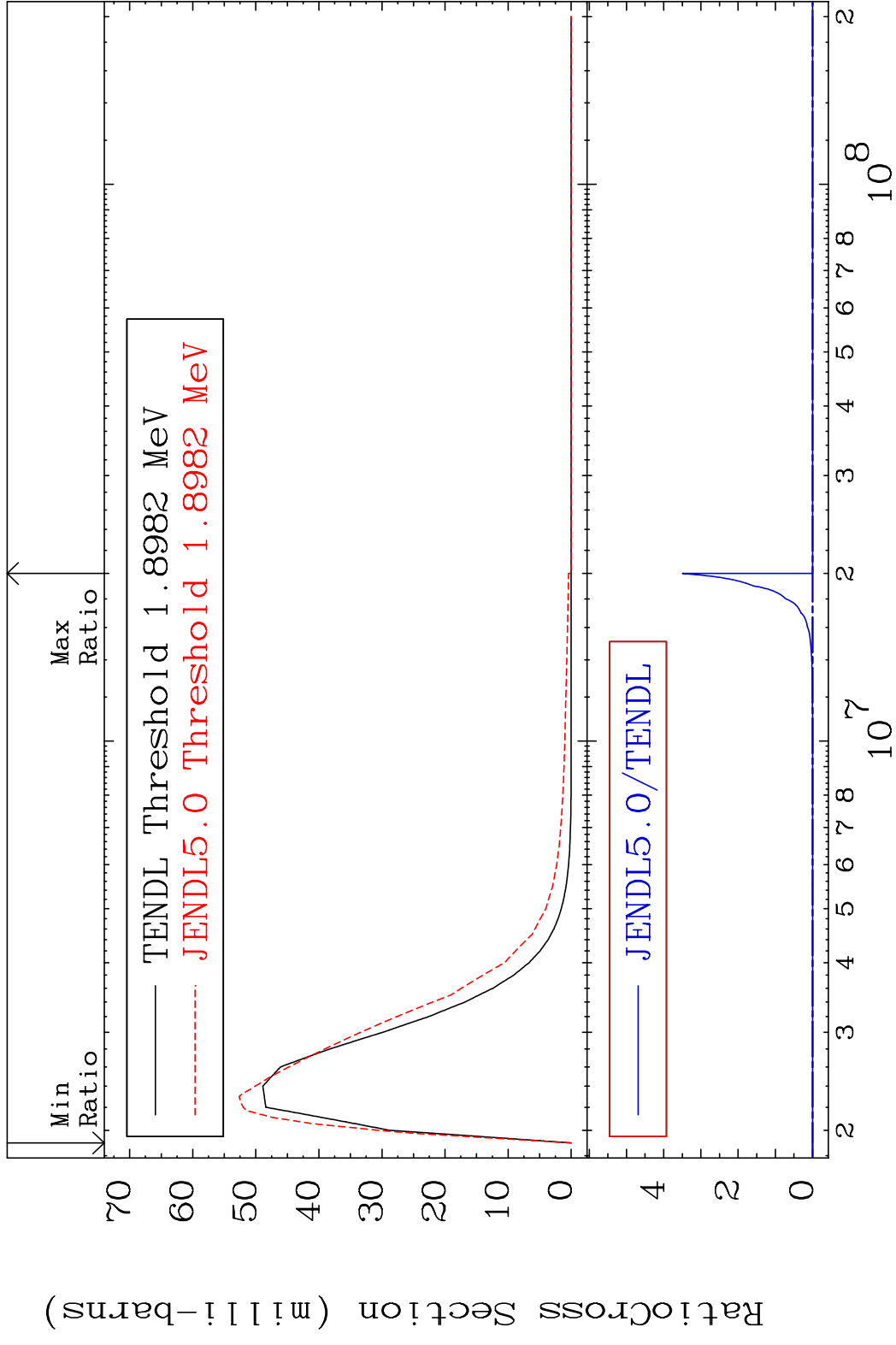
MAT 5237 MT= 54 (n, n') Level 52-Te-124
 Cross Section -100.0 To 10.53 %



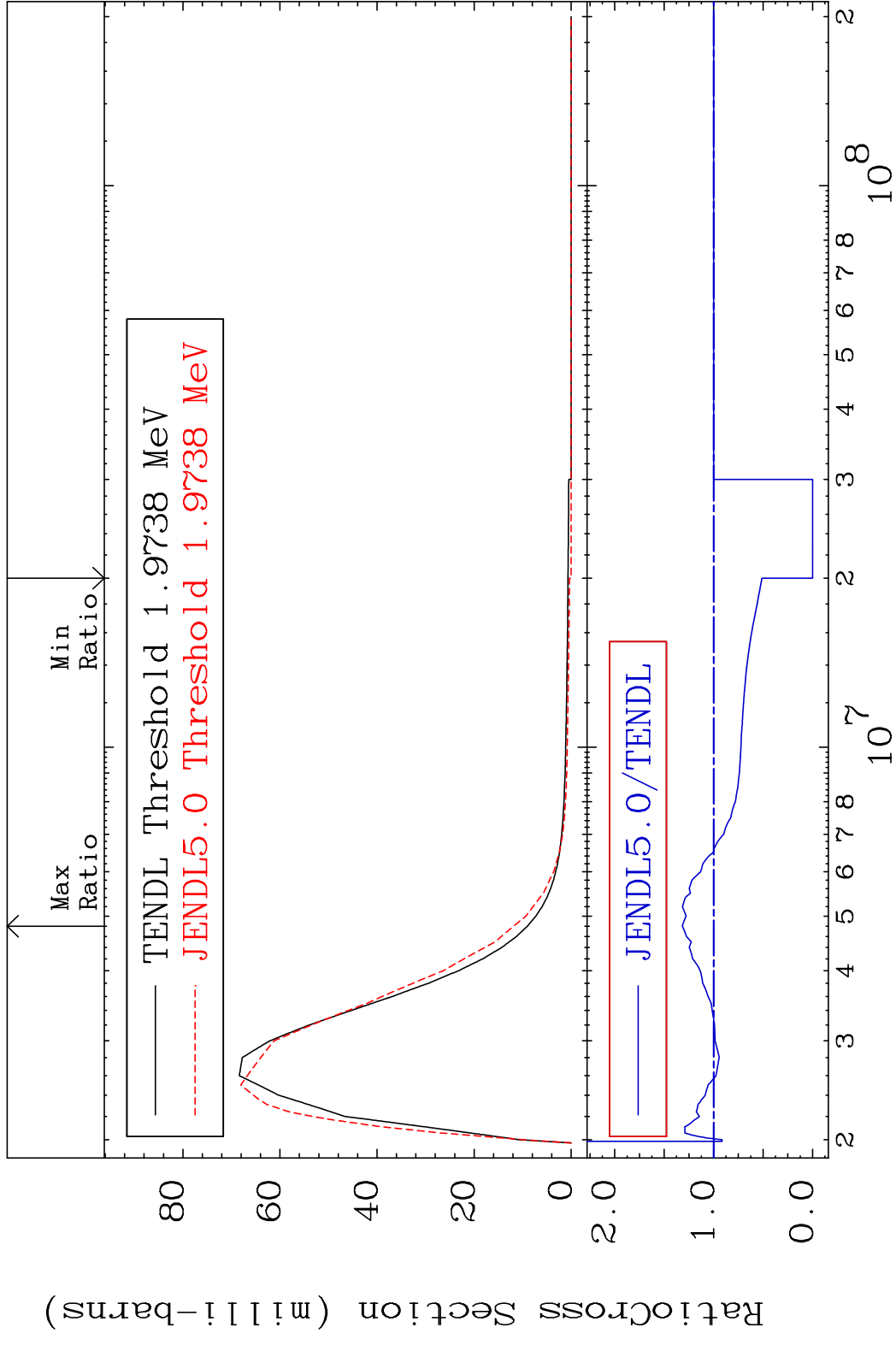
MAT 5237 MT= 55 (n,n') Level 52-Te-124
 Cross Section -100.0 To 66.36 %



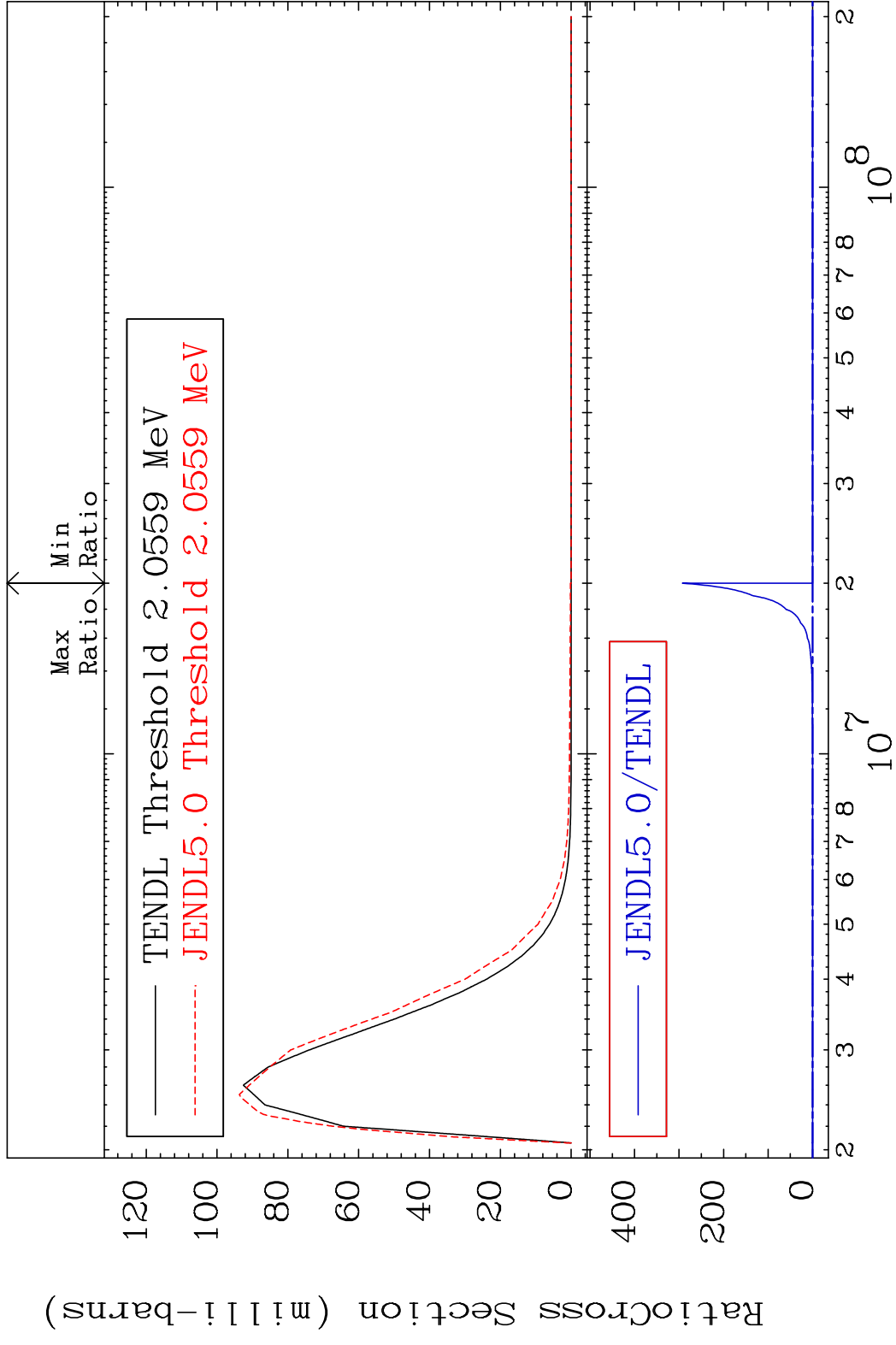
MAT 5237 MT= 56 (n, n') Level 52-Te-124
 Cross Section -100.0 To 9999. %



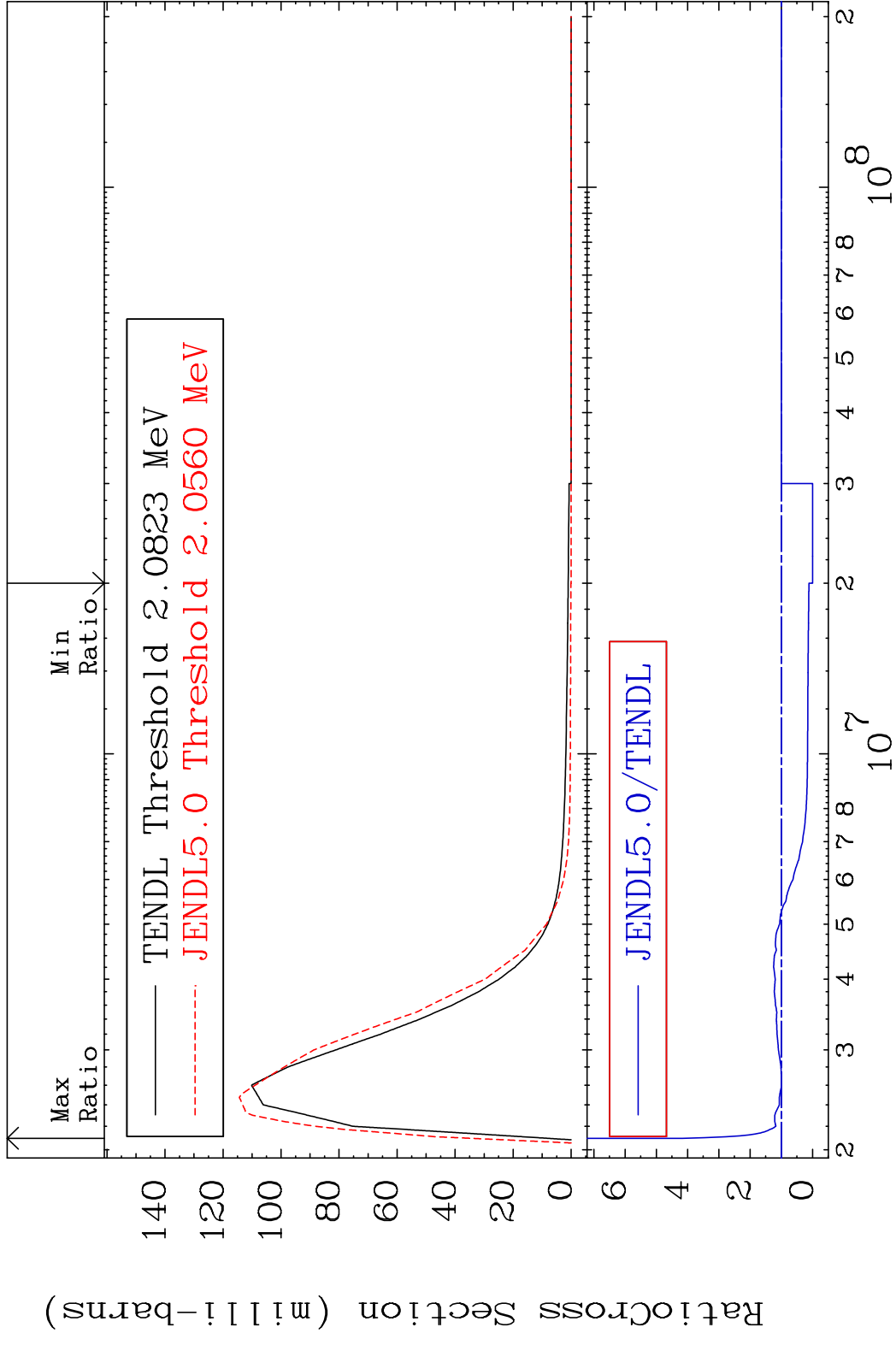
MAT 5237 MT= 57 (n, n') Level 52-Te-124
 Cross Section -100.0 To 31.64 %



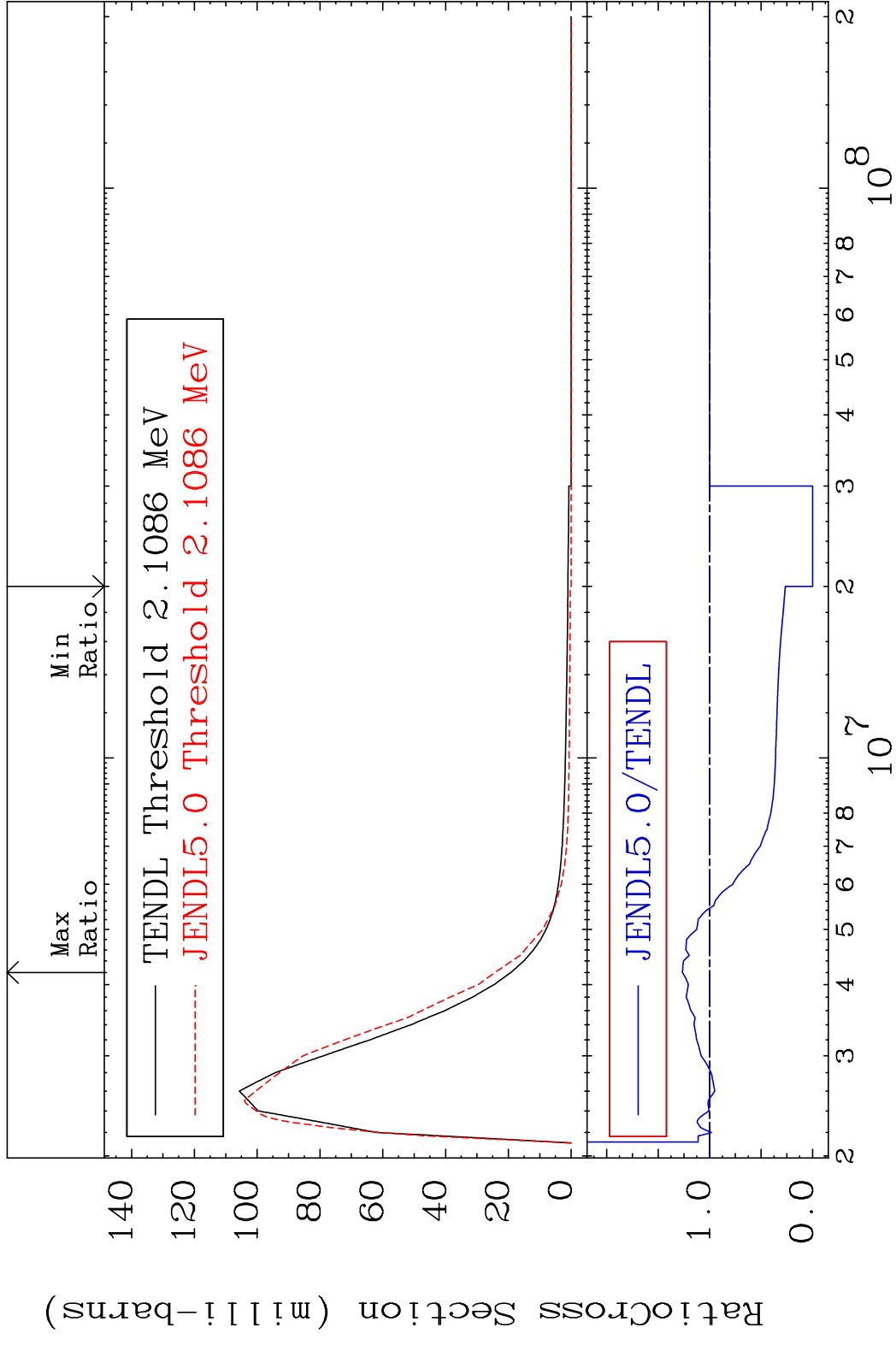
MAT 5237 MT= 58 (n, n') Level 52-Te-124
 Cross Section -100.0 To 9999. %



MAT 5237 MT= 59 (n, n') Level 52-Te-124
 Cross Section -100.0 To 316.8 %

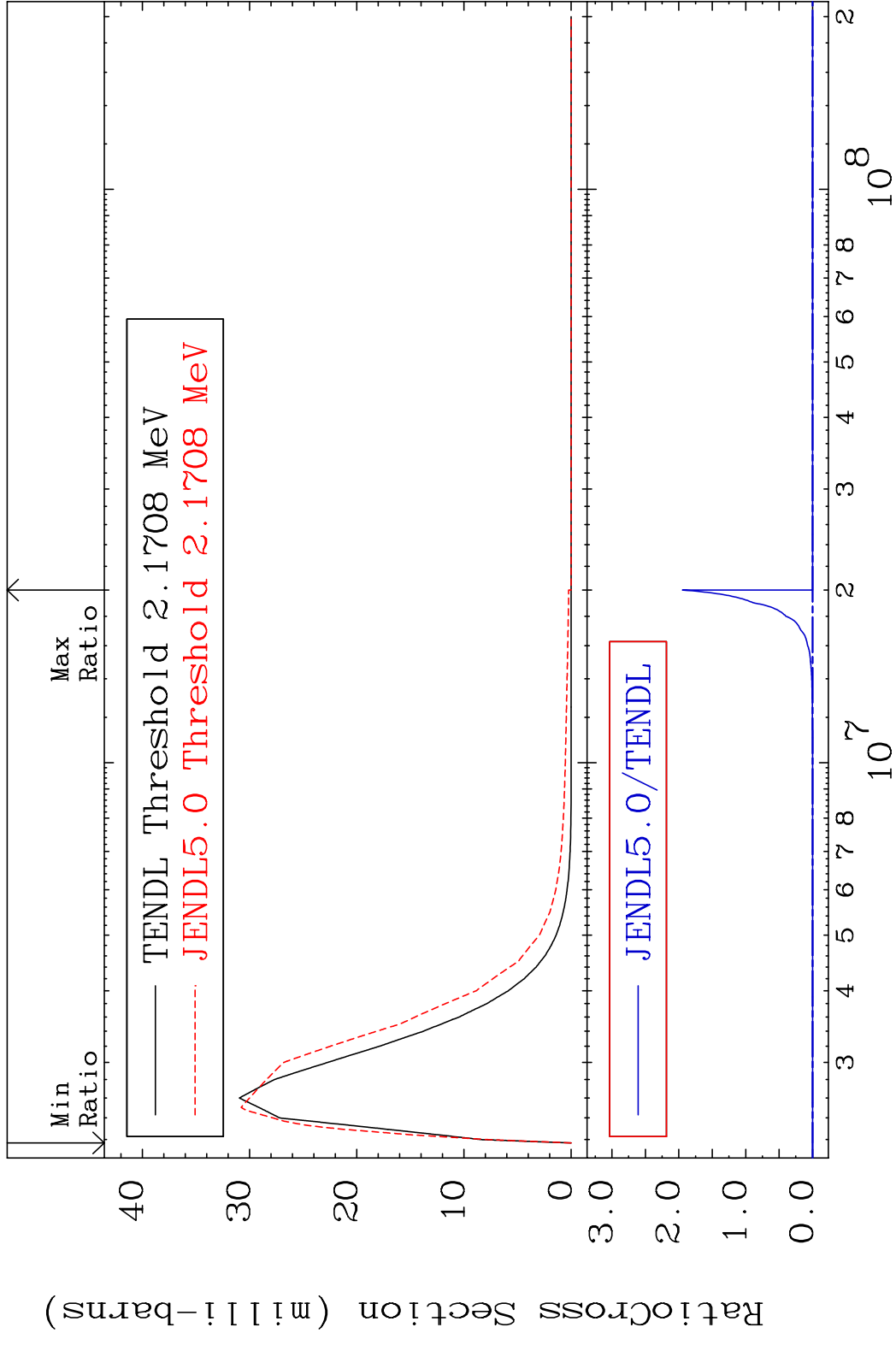


MAT 5237 MT= 60 (n, n') Level 52-Te-124
 Cross Section -100.0 To 26.49 %

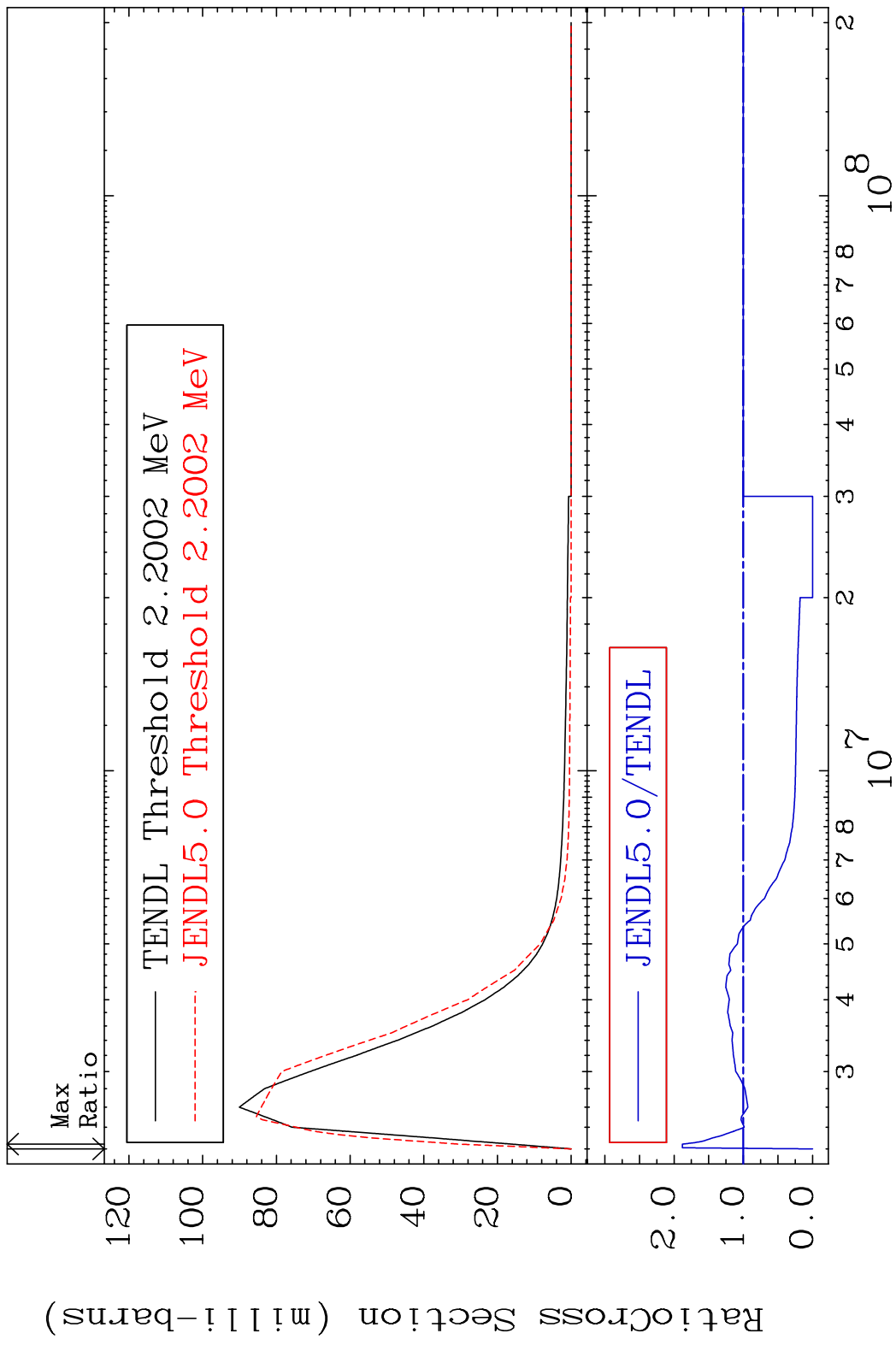


20 52-Te-124

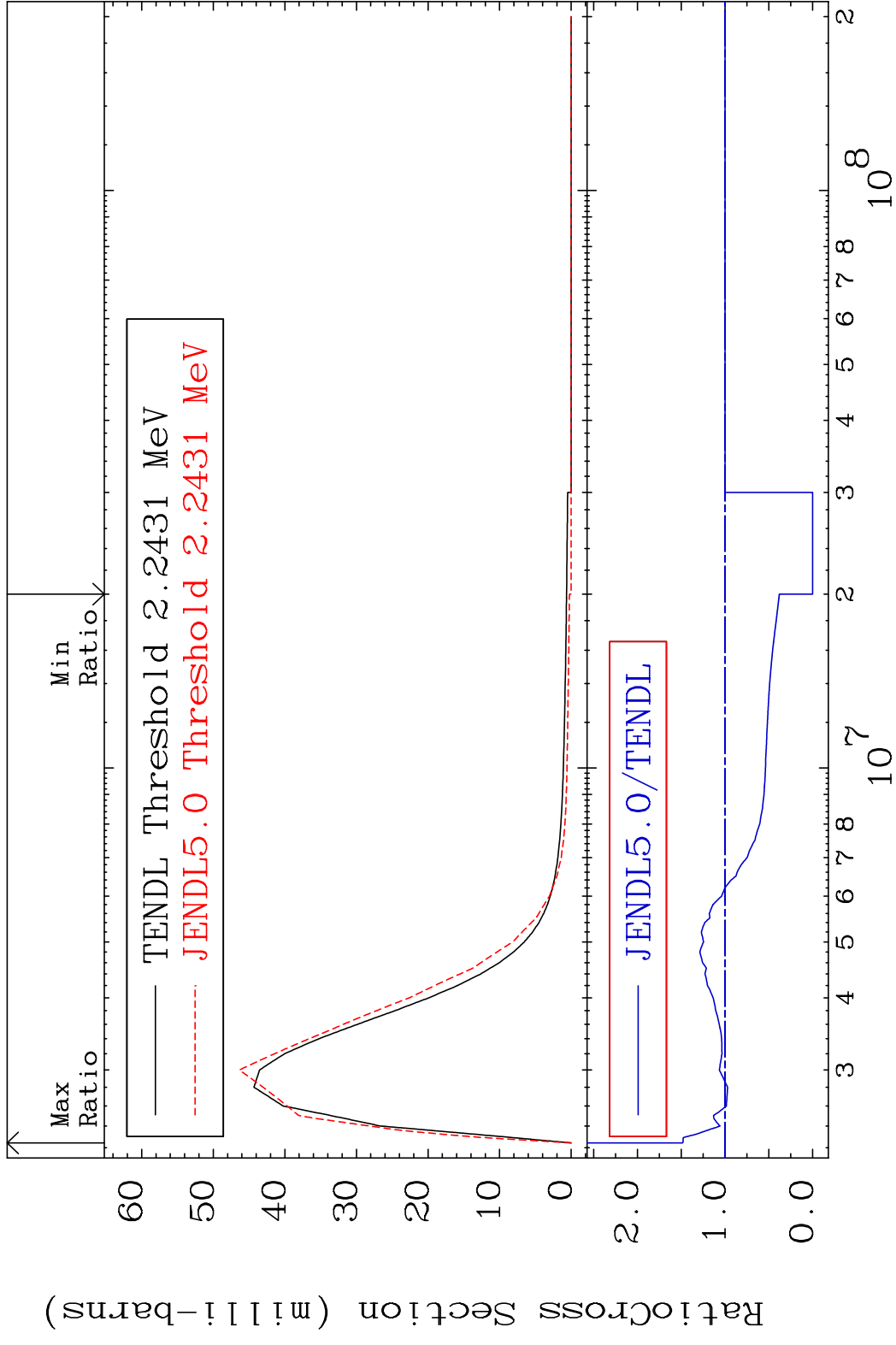
MAT 5237 MT= 61 (n, n') Level 52-Te-124
 Cross Section -100.0 To 9999. %



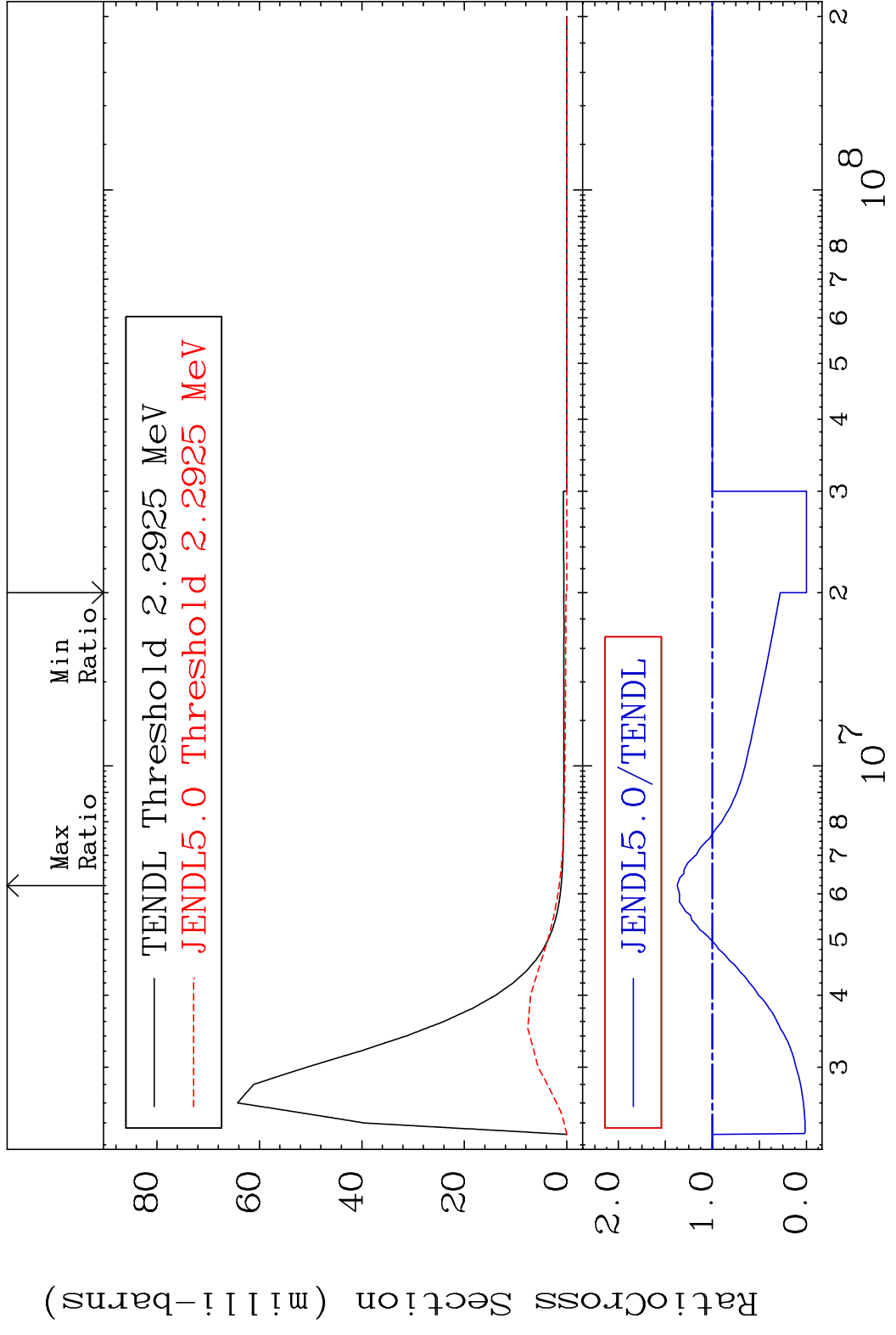
MAT 5237 MT= 62 (n,n') Level 52-Te-124
 Cross Section -100.0 To 88.05 %



MAT 5237 MT= 63 (n,n') Level 52-Te-124
 Cross Section -100.0 To 48.79 %

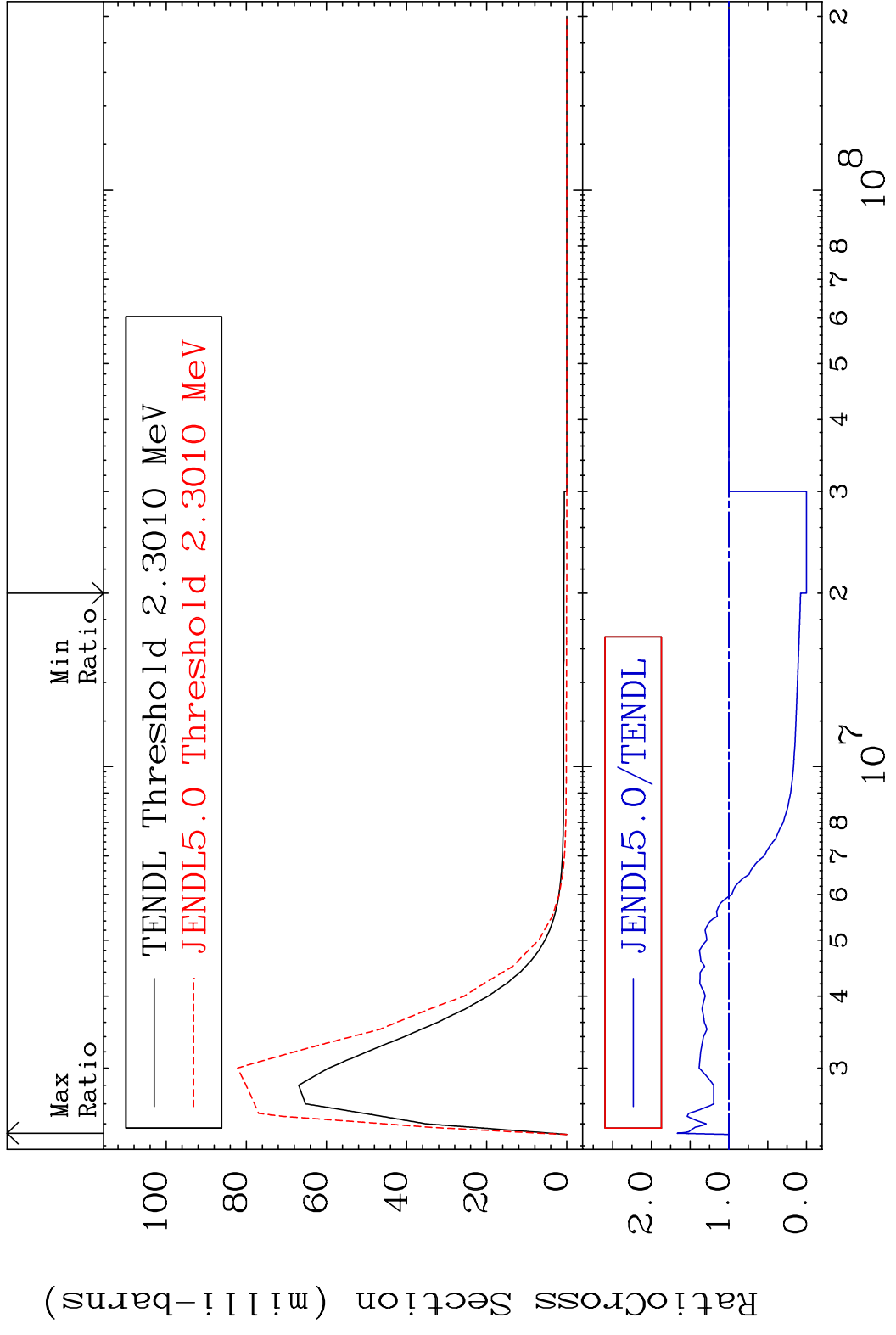


MAT 5237 MT= 64 (n,n') Level 52-Te-124
 Cross Section -100.0 To 37.39 %

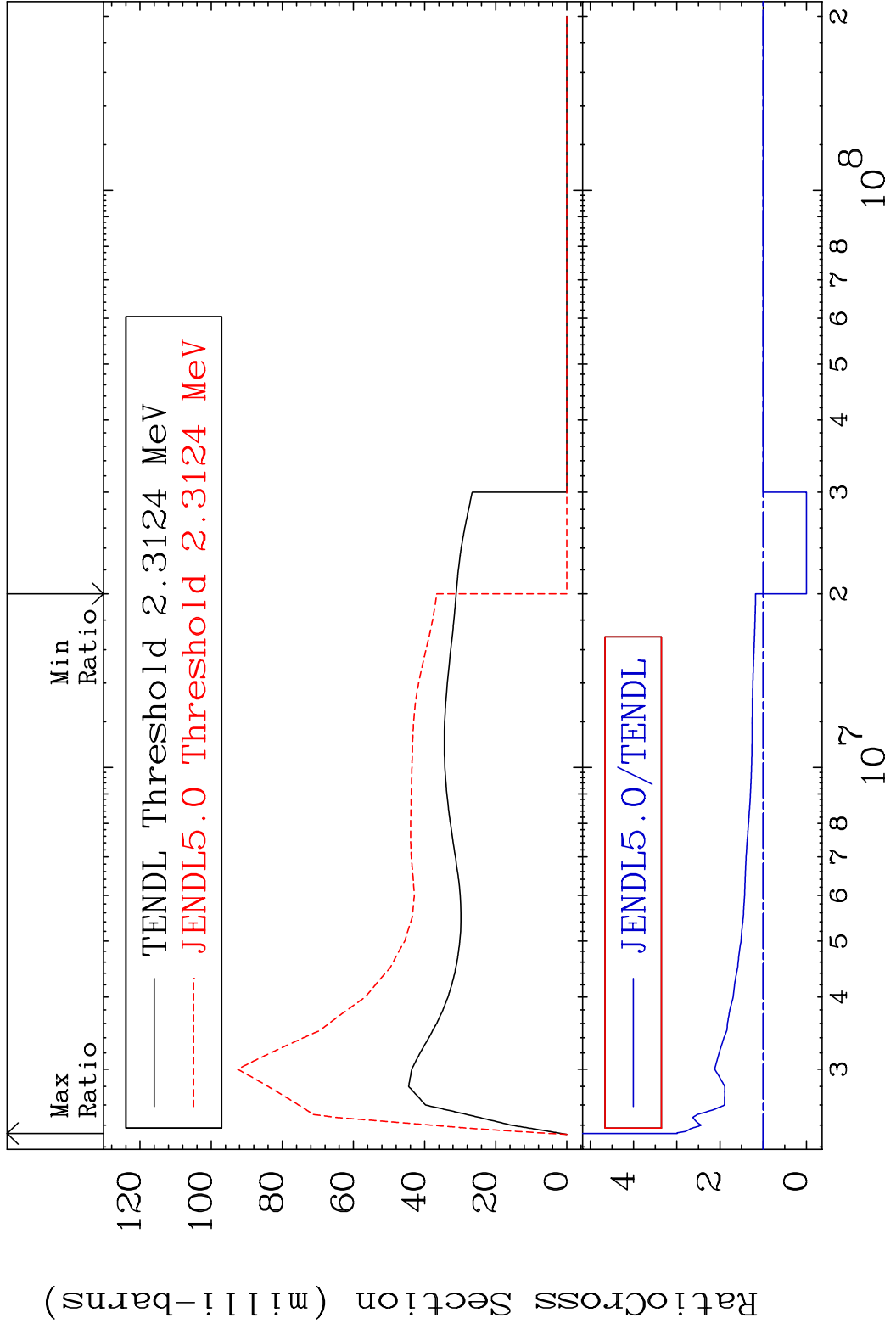


24 Incident Energy (eV) 52-Te-124

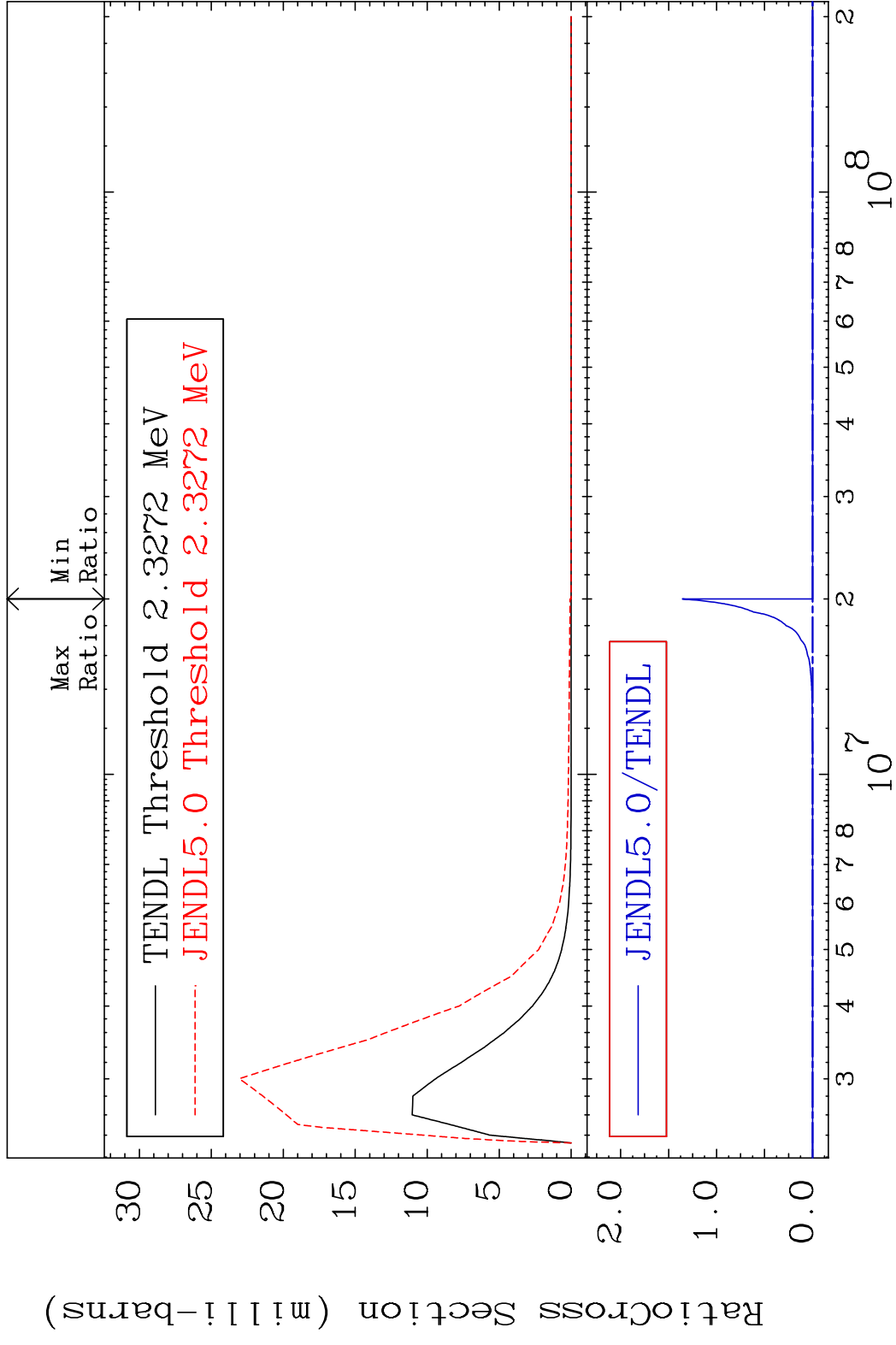
MAT 5237 MT= 65 (n,n') Level 52-Te-124
 Cross Section -100.0 To 66.70 %



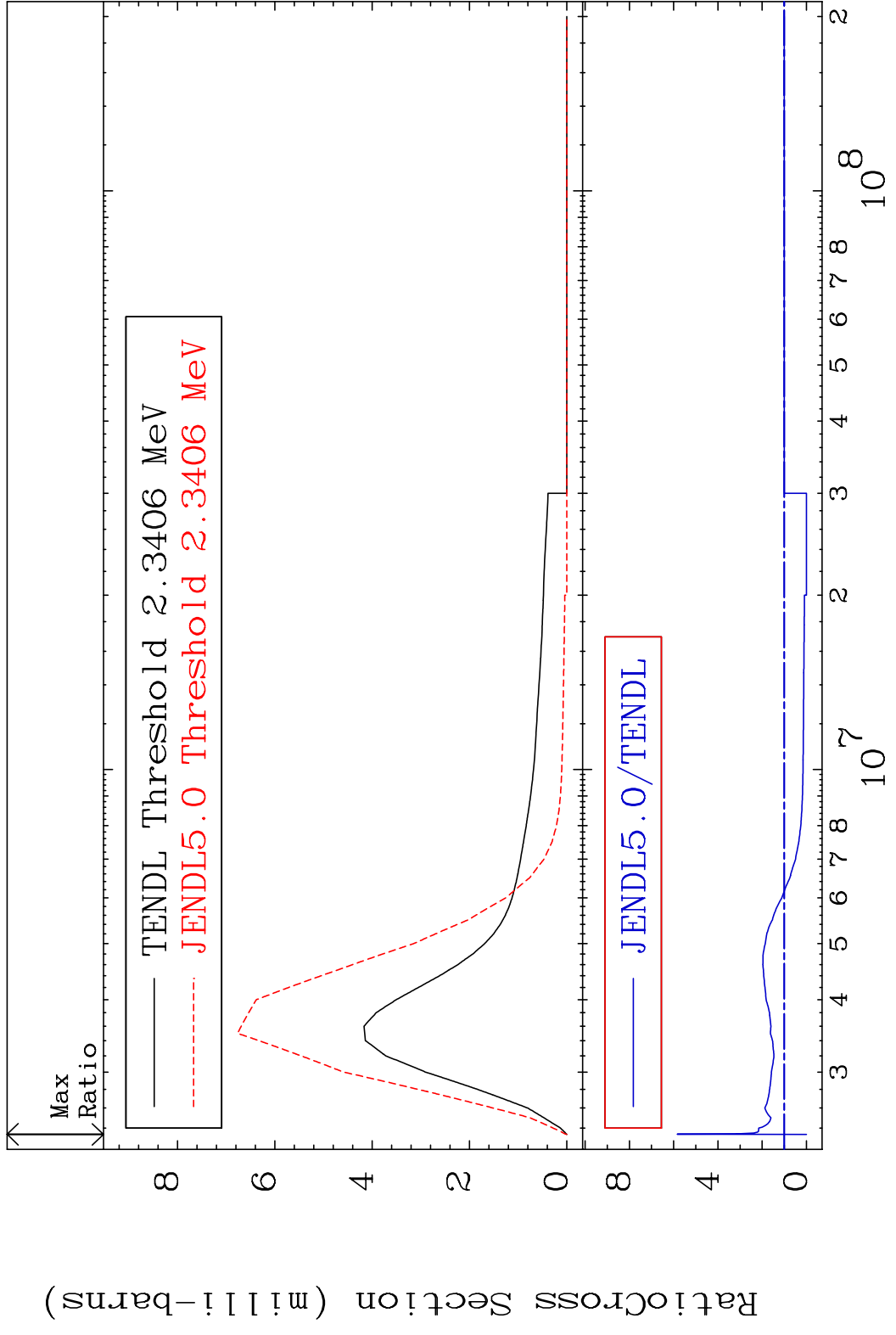
MAT 5237 MT= 66 (n,n') Level 52-Te-124
 Cross Section -100.0 To 199.1 %



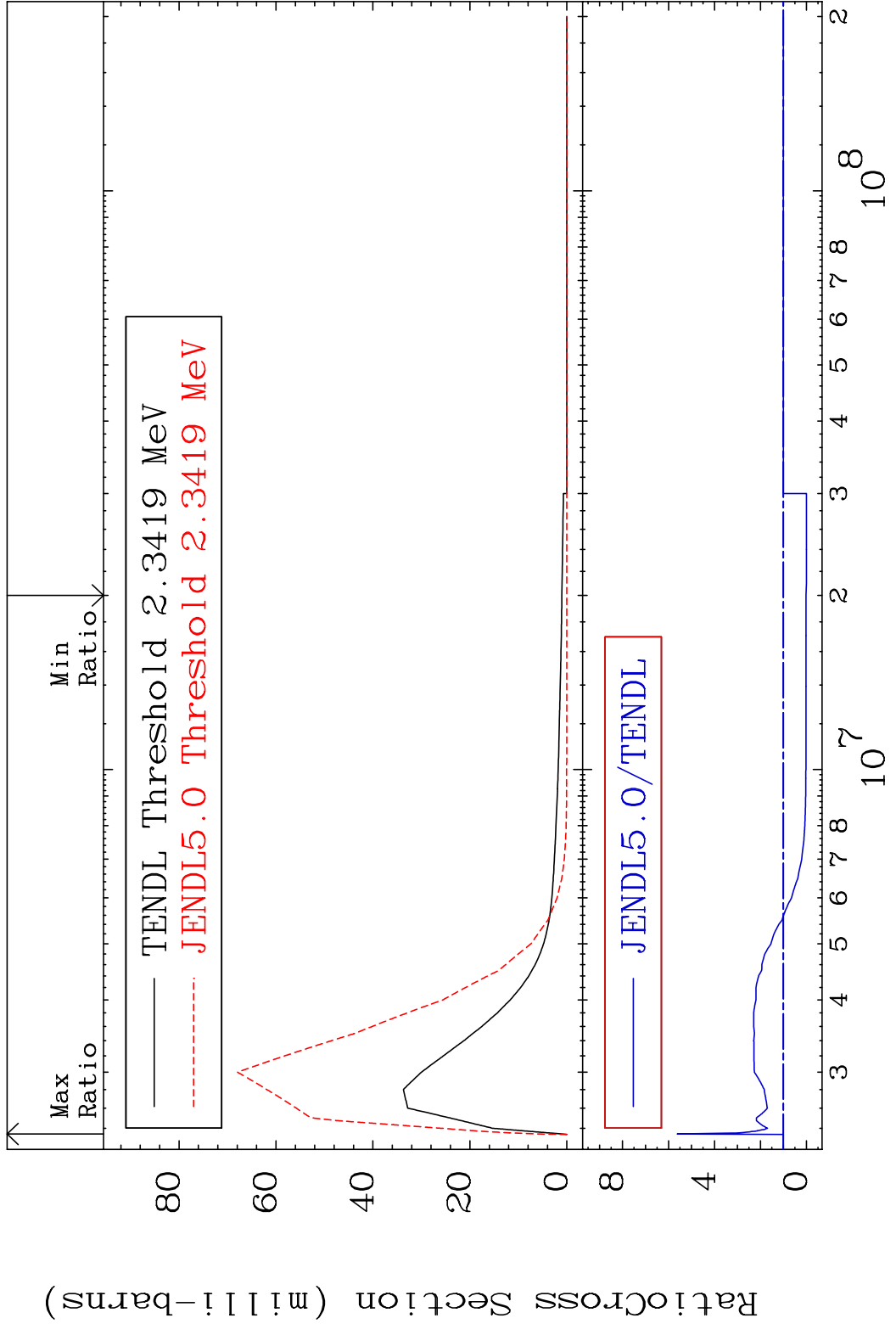
MAT 5237 MT= 67 (n, n') Level 52-Te-124
 Cross Section -100.0 To 9999. %



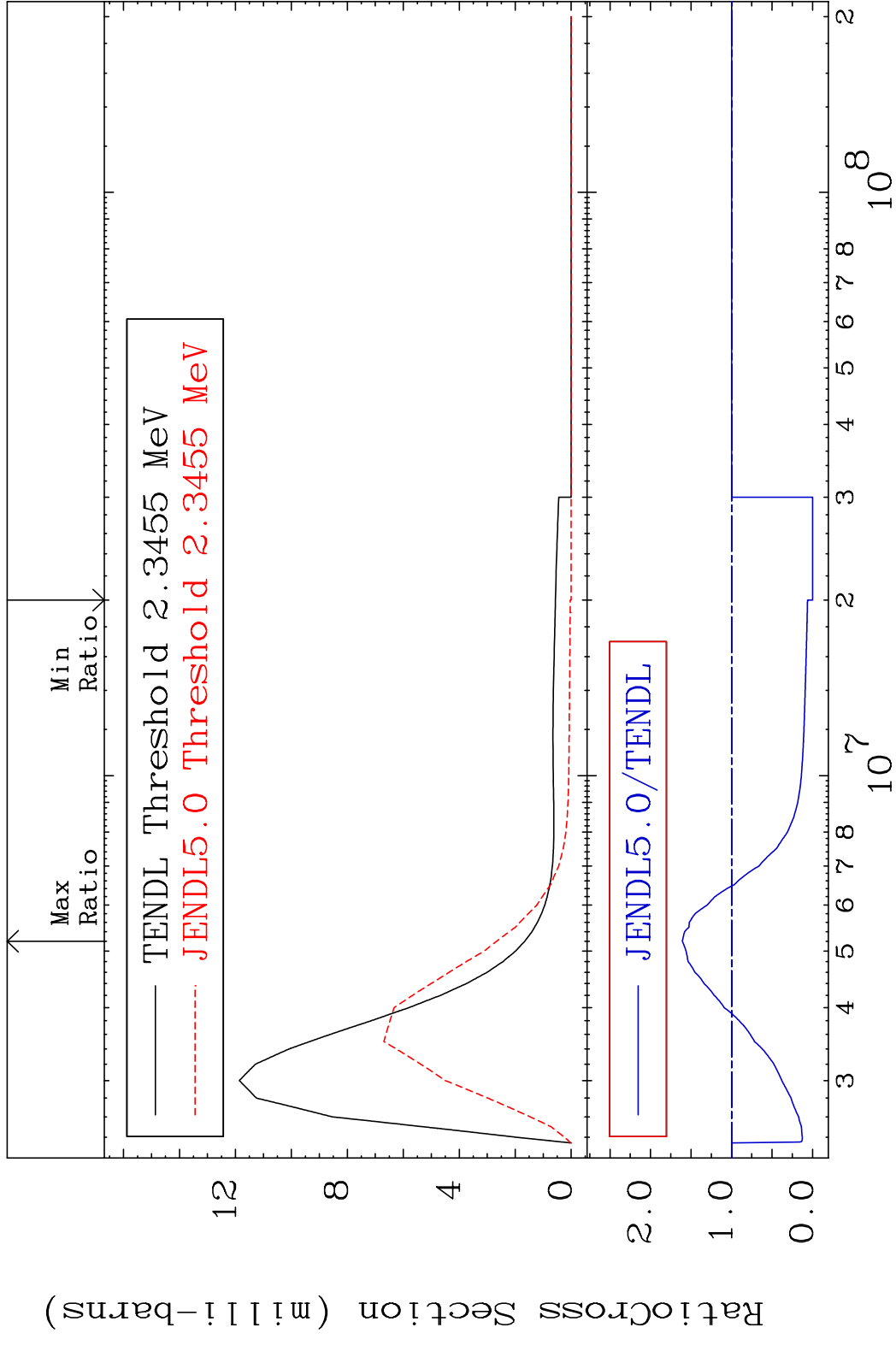
MAT 5237 MT= 68 (n,n') Level 52-Te-124
 Cross Section -100.0 To 484.0 %



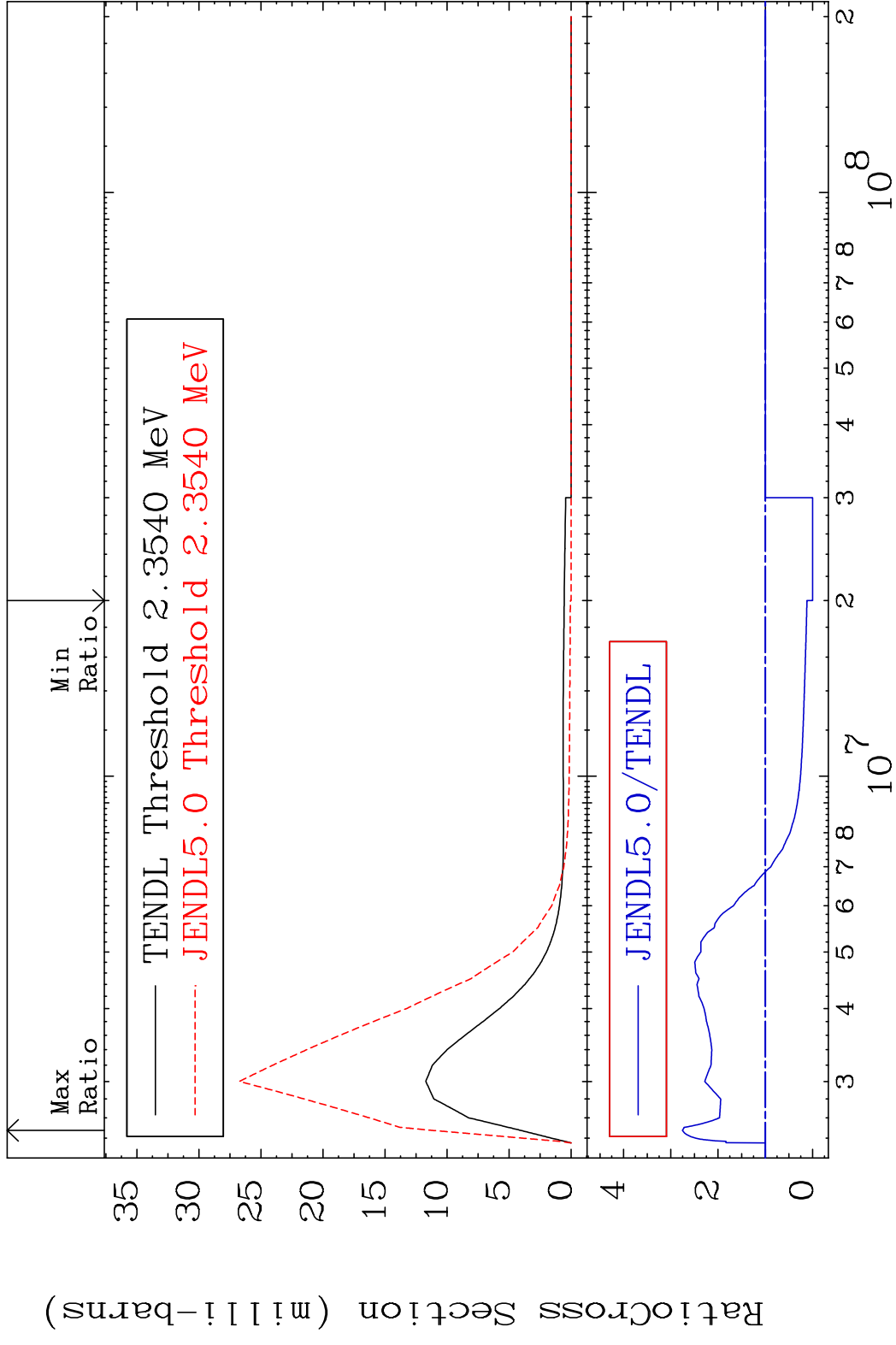
MAT 5237 MT= 69 (n, n') Level 52-Te-124
 Cross Section -100.0 To 462.3 %



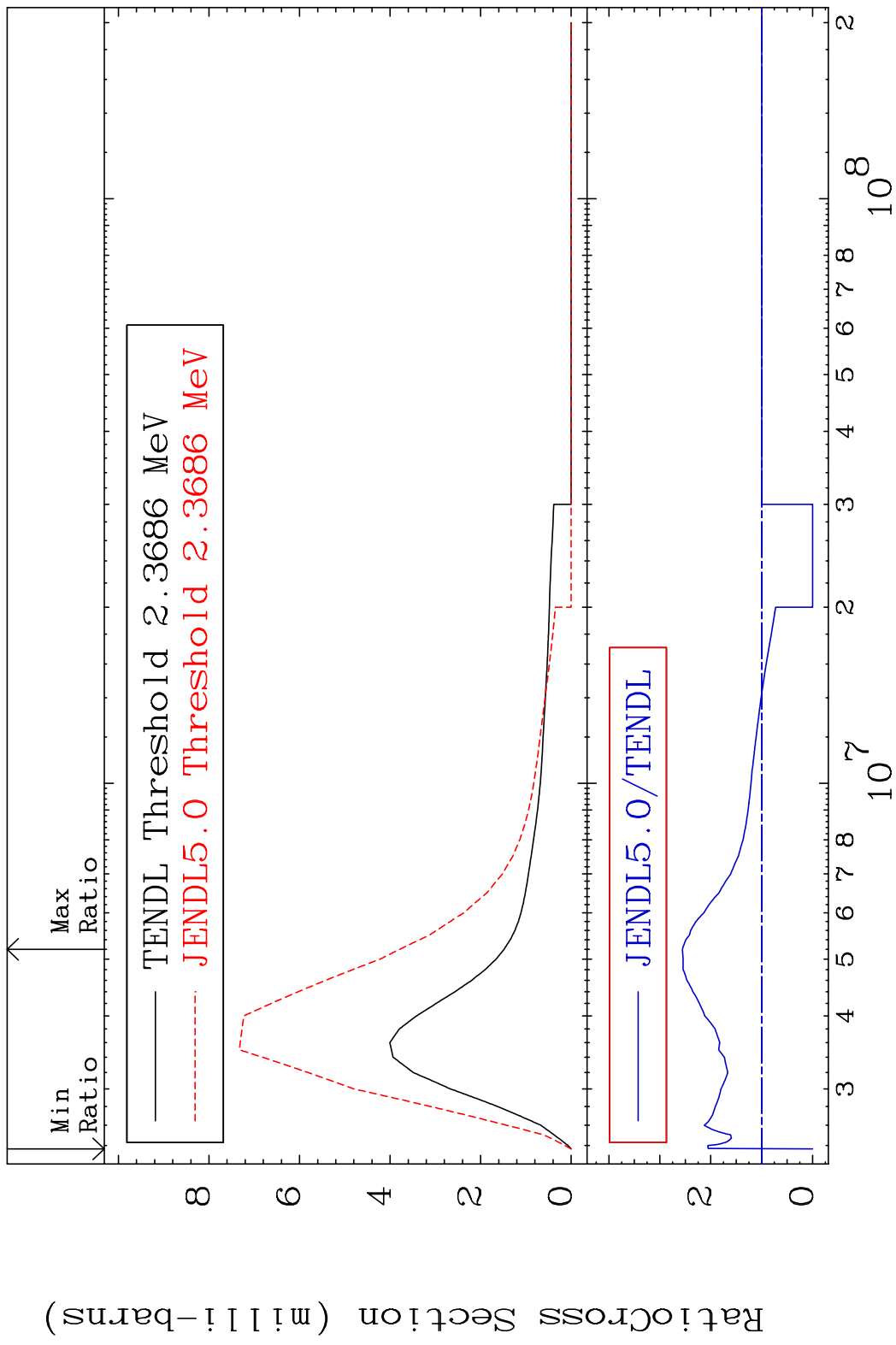
MAT 5237 MT= 70 (n,n') Level 52-Te-124
 Cross Section -100.0 To 60.72 %



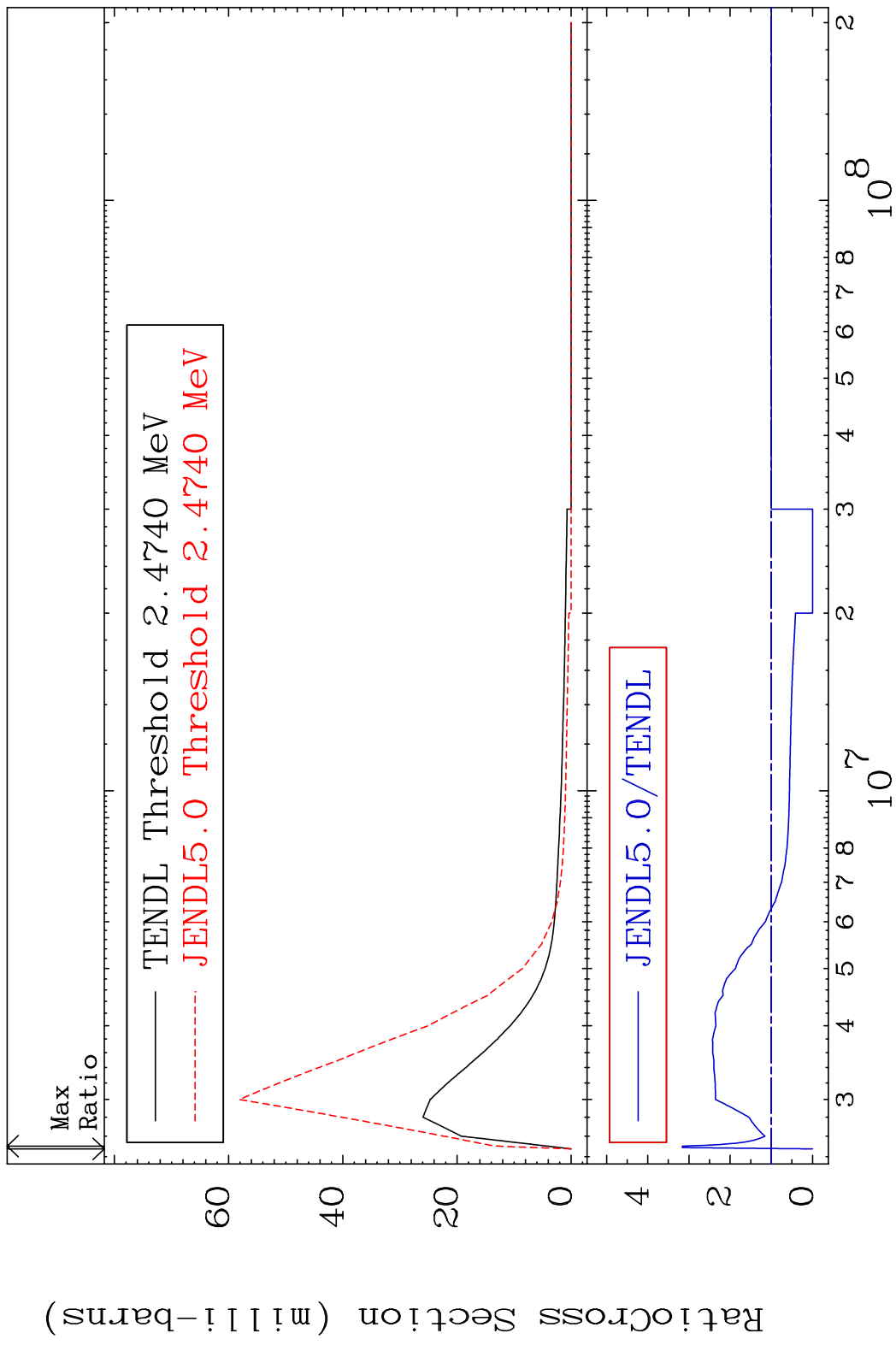
MAT 5237 MT= 71 (n,n') Level 52-Te-124
 Cross Section -100.0 To 175.6 %



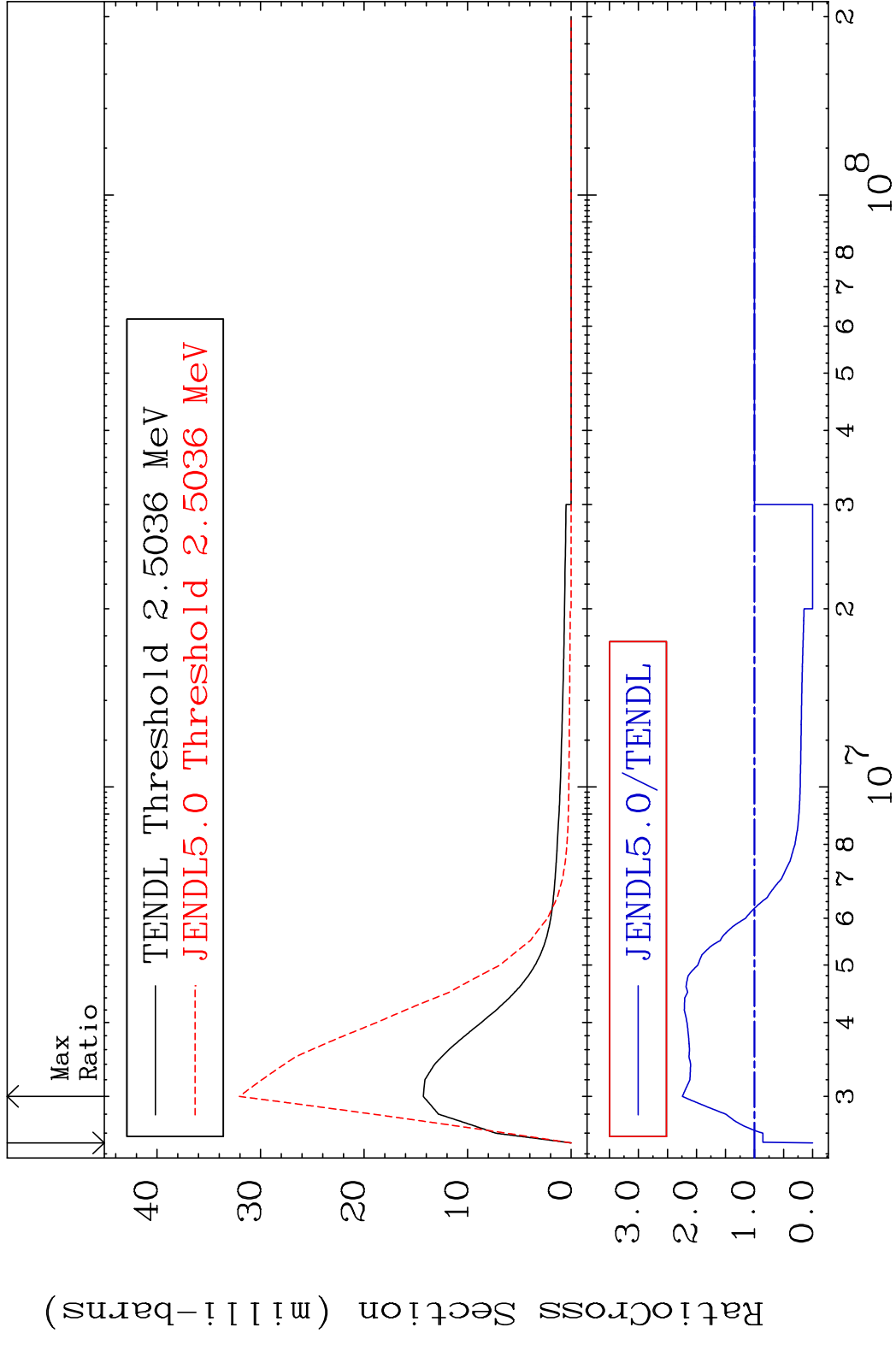
MAT 5237 MT= 72 (n, n') Level 52-Te-124
 Cross Section -100.0 To 155.8 %



MAT 5237 MT= 73 (n, n') Level 52-Te-124
 Cross Section -100.0 To 216.0 %



MAT 5237 MT= 74 (n,n') Level 52-Te-124
 Cross Section -100.0 To 124.4 %

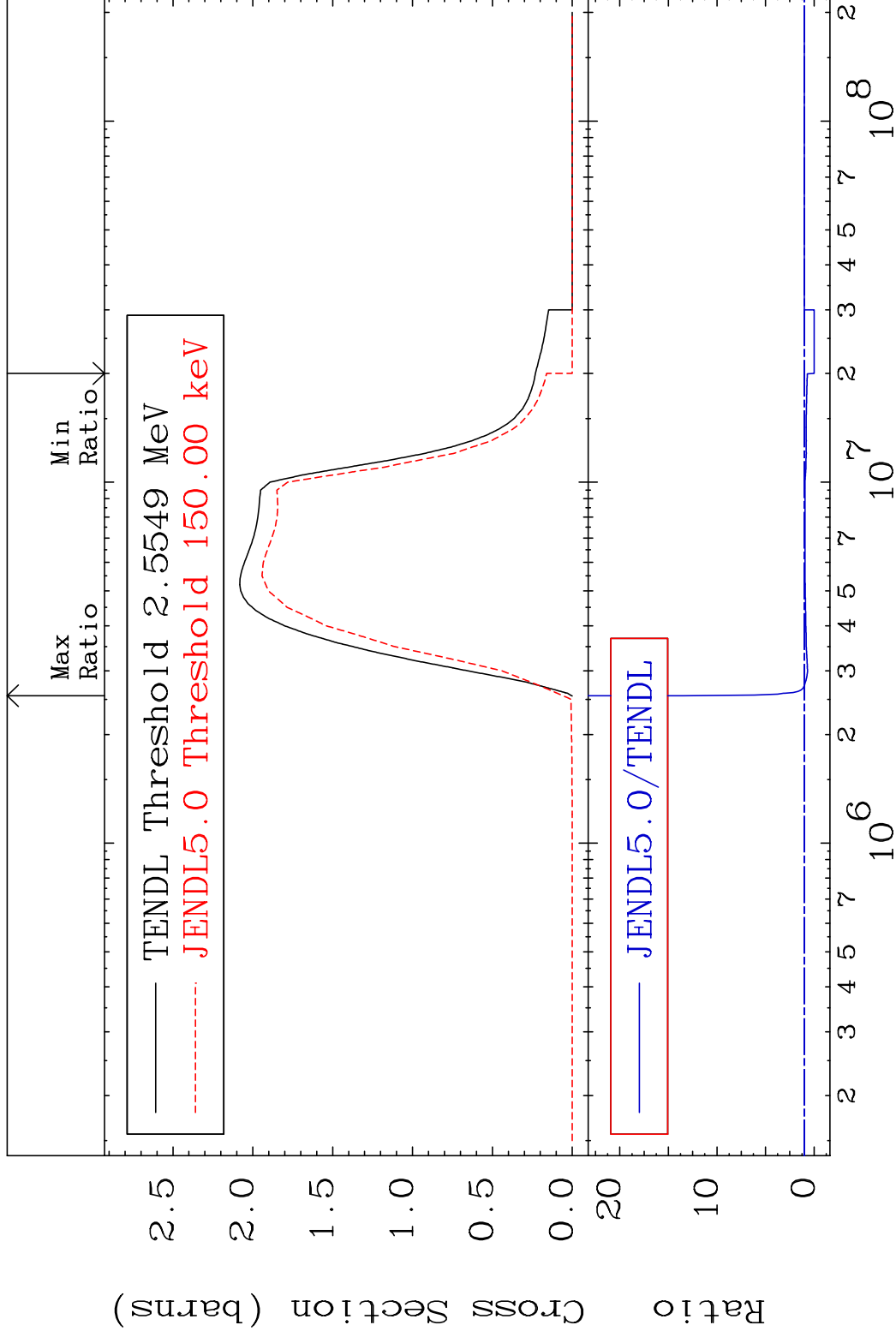


MAT 5237

(n, n') Continuum

52-Te-124

Cross Section -100.0 To 1243. %



35

Incident Energy (eV)

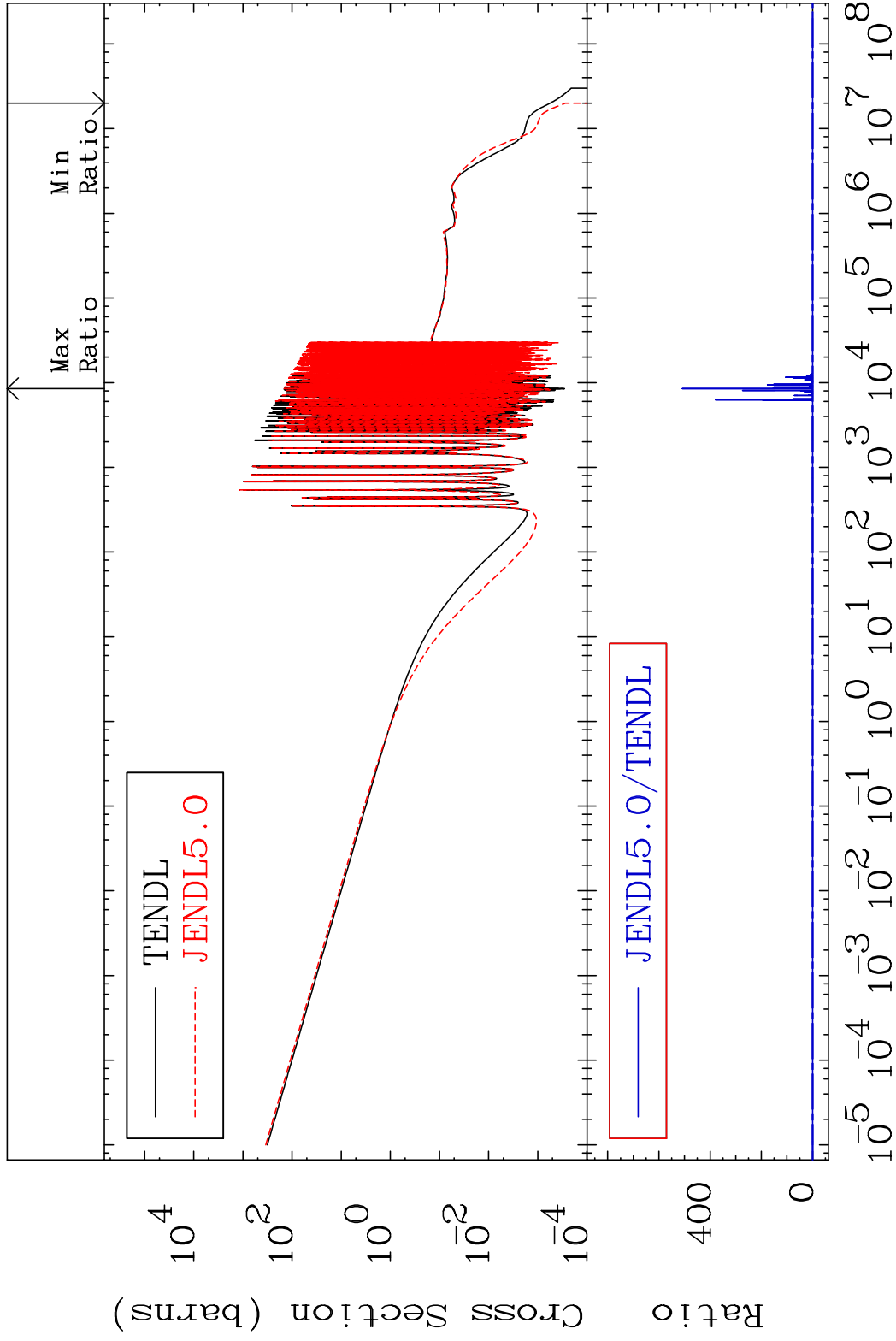
52-Te-124

MAT 5237

(n, γ)

52-Te-124

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

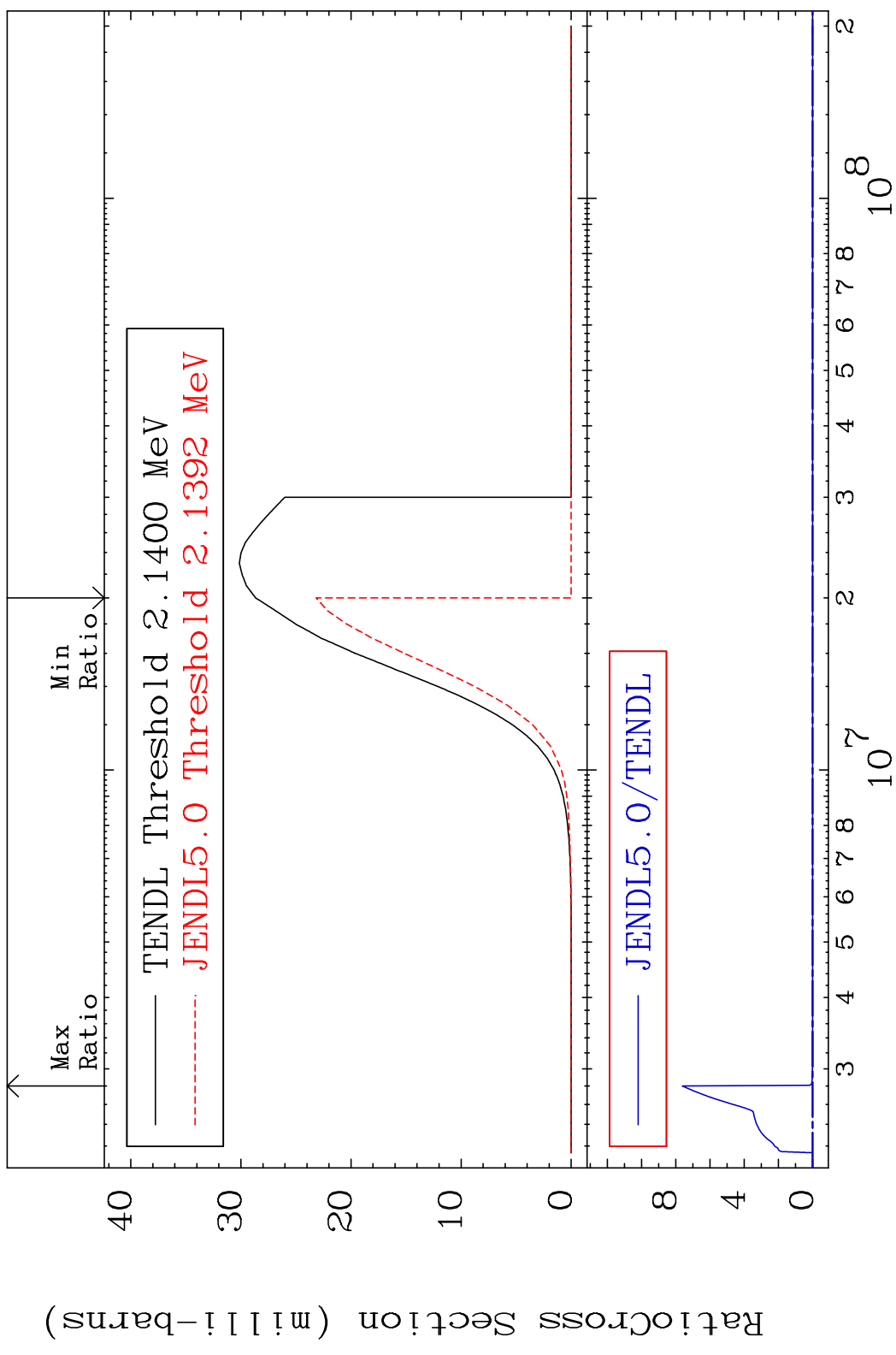
52-Te-124

MAT 5237

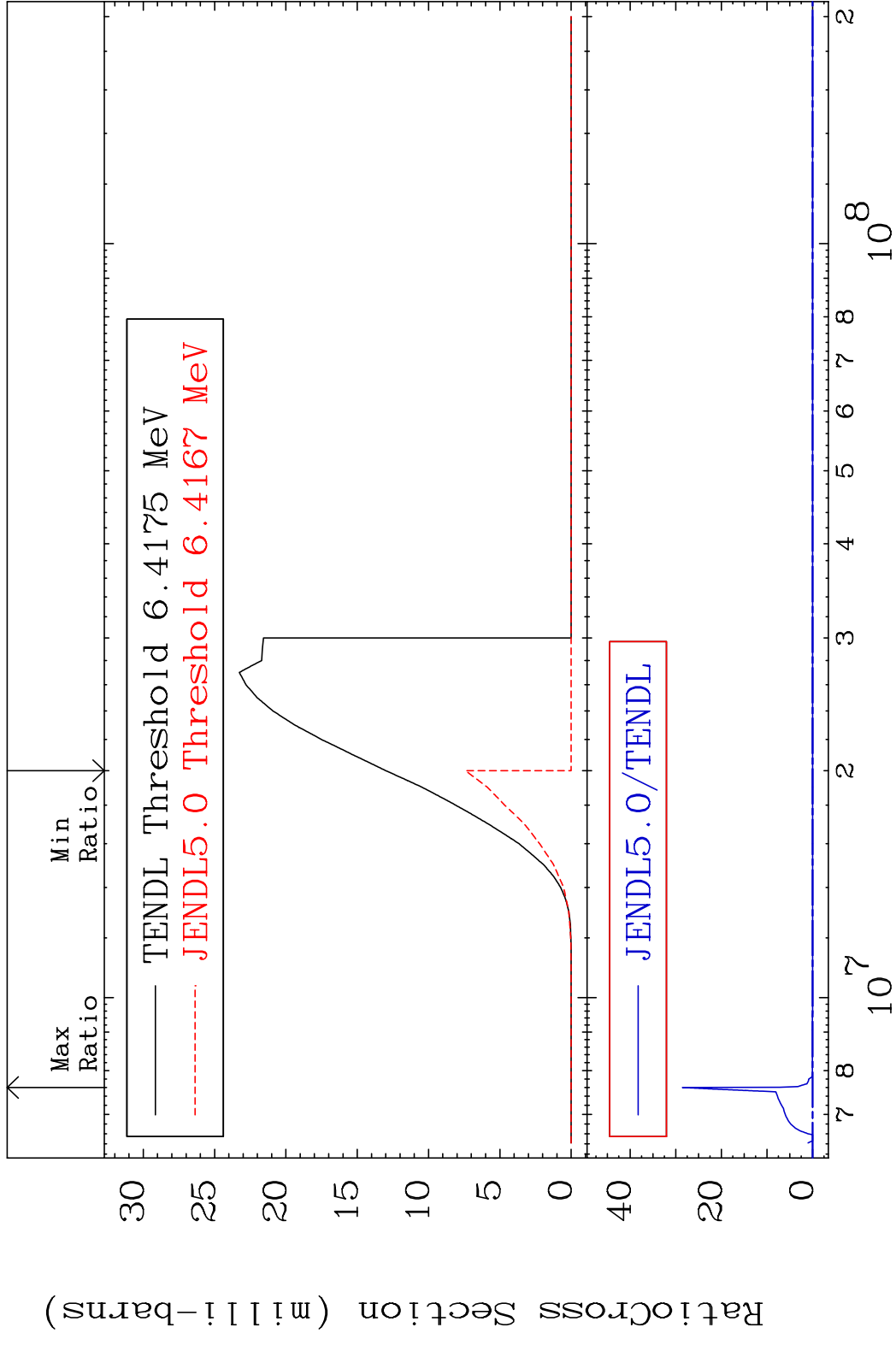
(n, p)

52-Te-124

Cross Section -100.0 To 9999. %



MAT 5237 (n,d) 52-Te-124
 Cross Section -100.0 To 9999. %

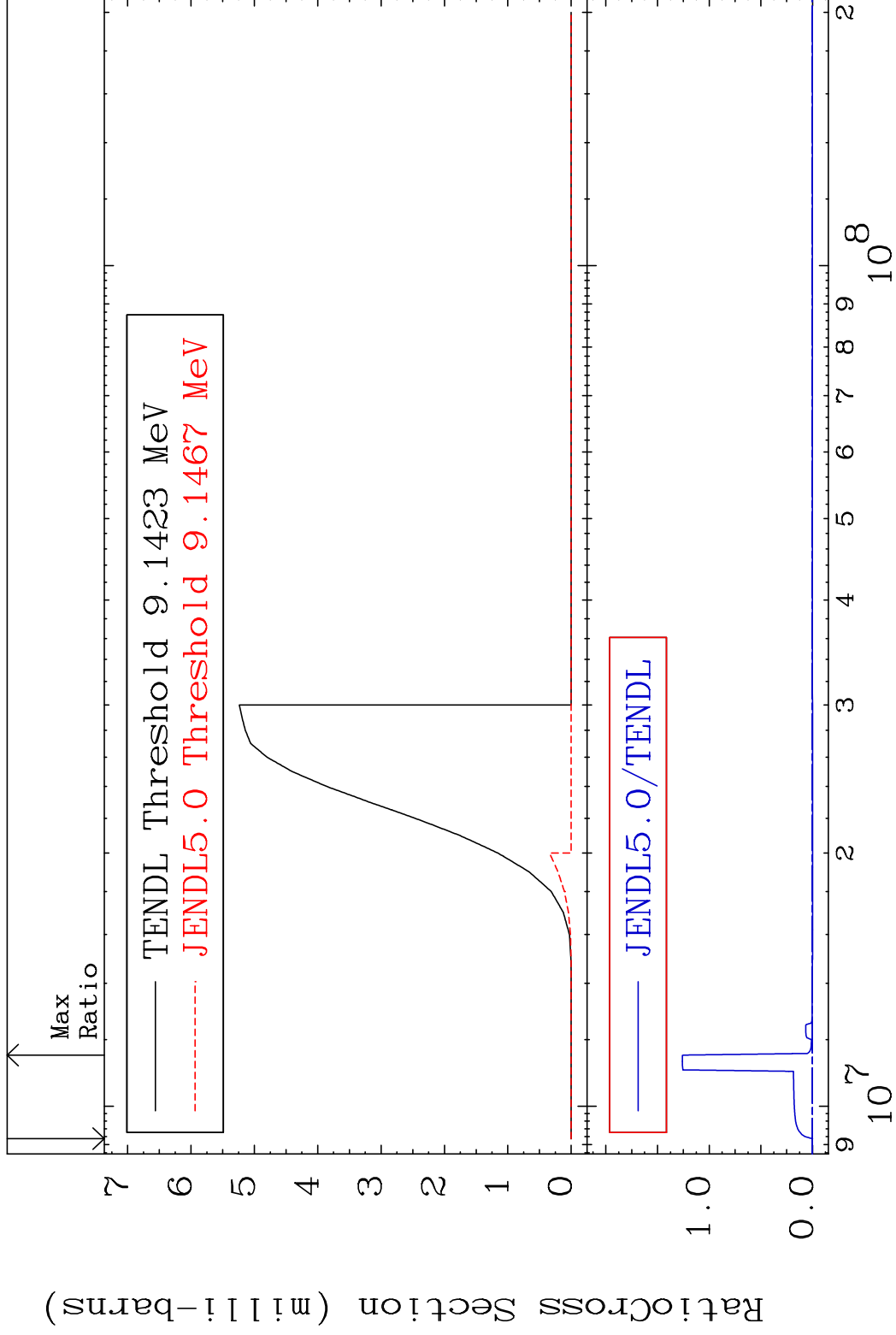


MAT 5237

(n, t)

52-Te-124

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

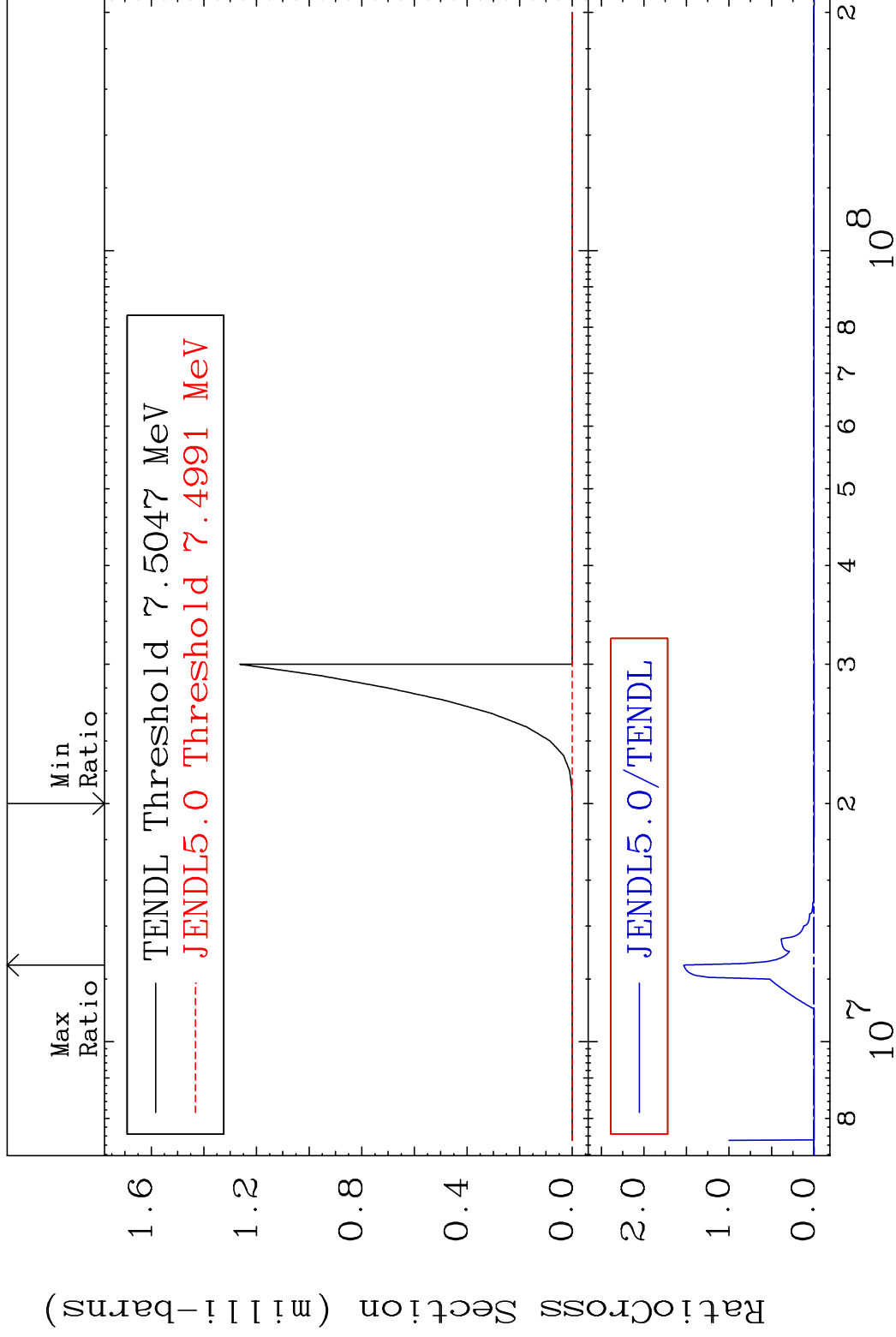
52-Te-124

MAT 5237

(n, He-3)

52-Te-124

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

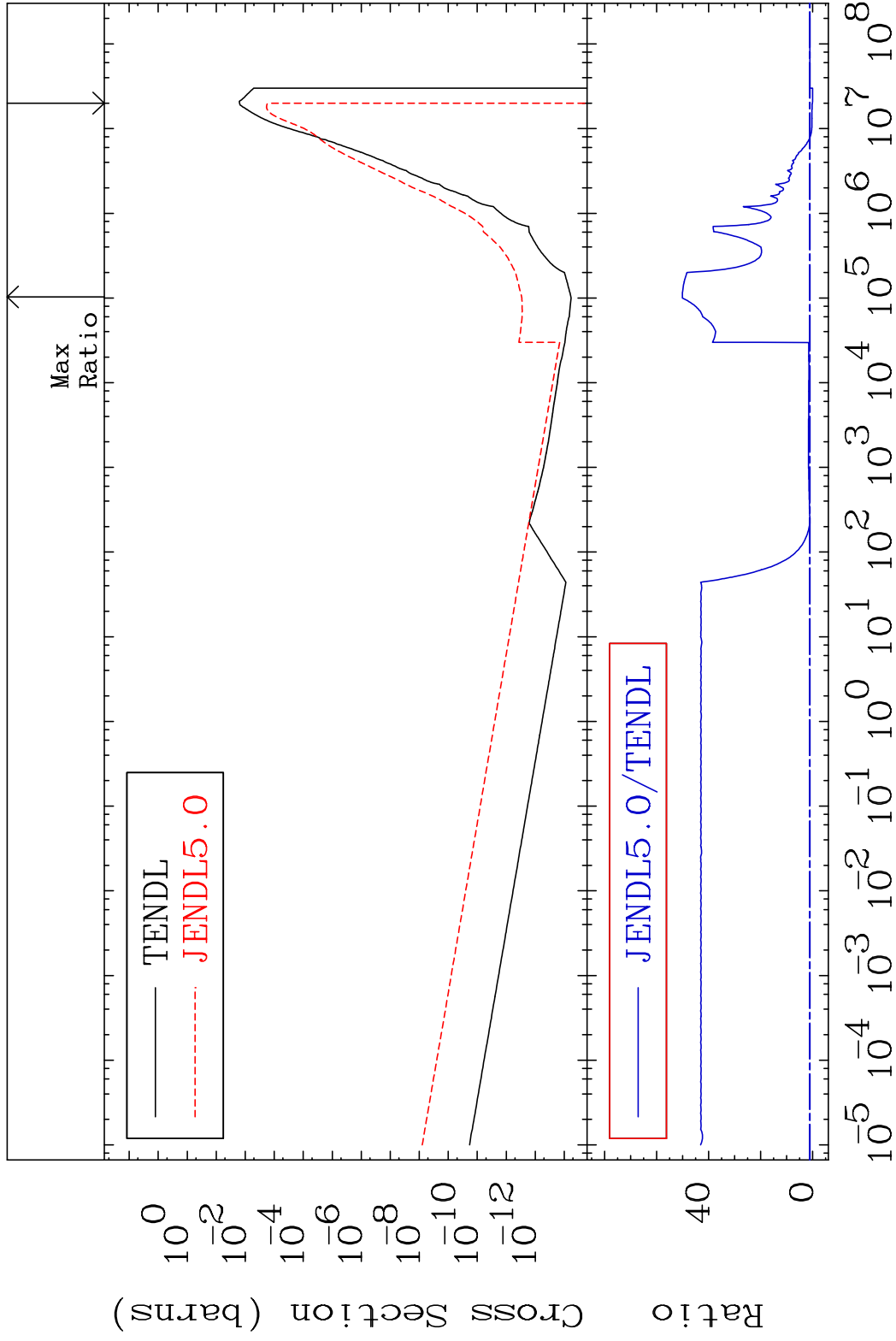
52-Te-124

MAT 5237

(n, α)

52-Te-124

Cross Section -100.0 To 4911. %

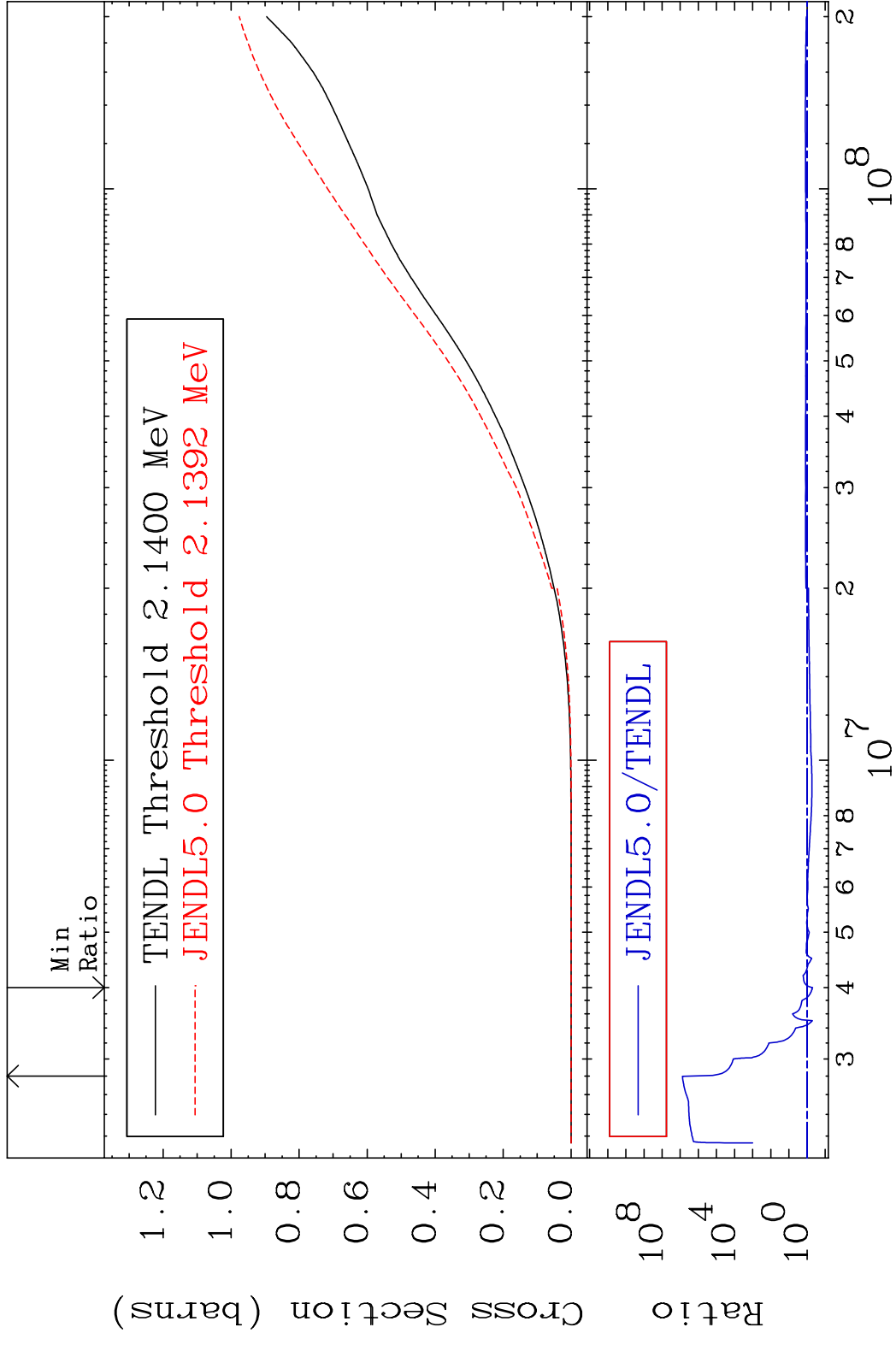


41

Incident Energy (eV)

52-Te-124

MAT 5237 Hydrogen Production 52-Te-124
 Cross Section -50.33 To 9999. %

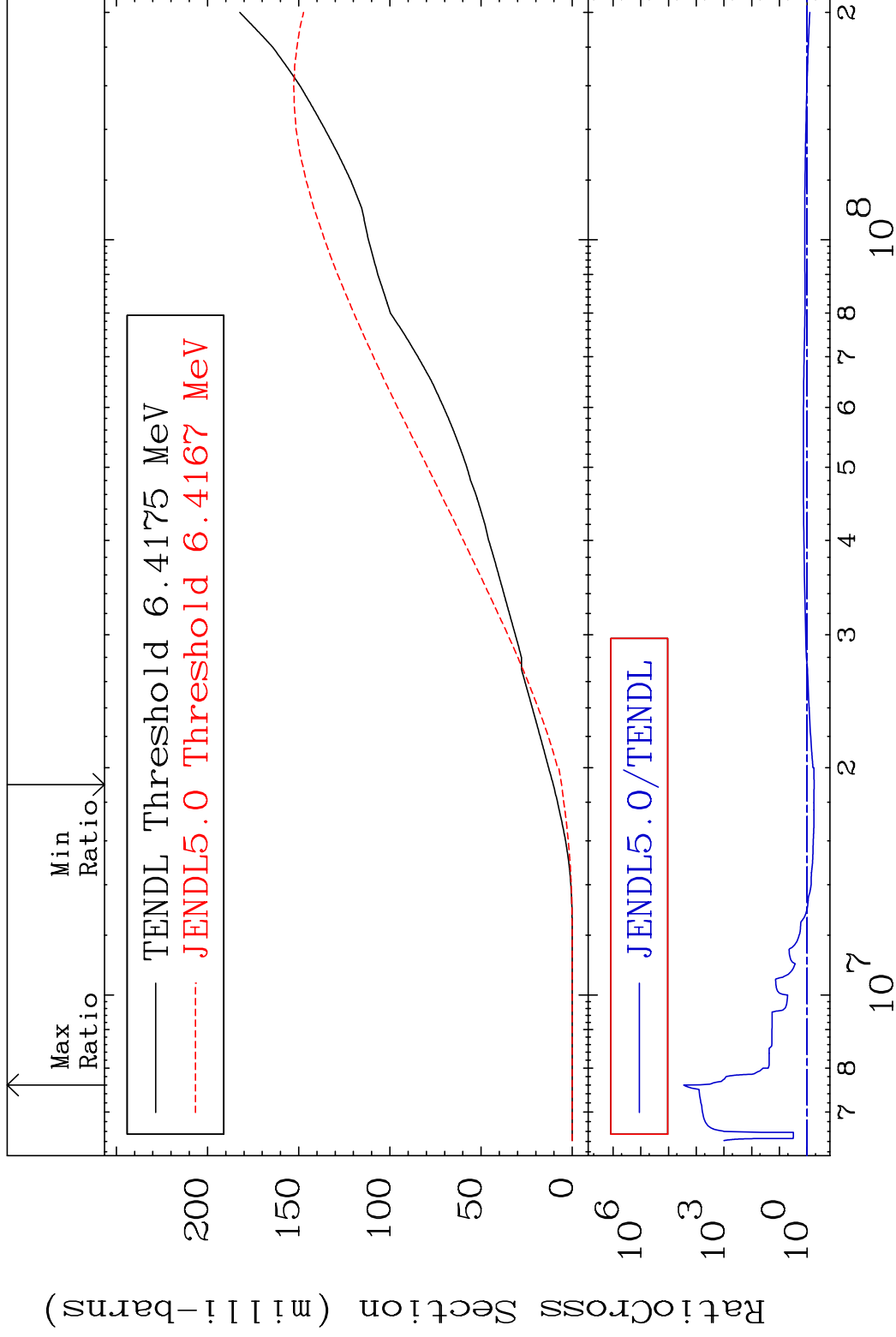


MAT 5237

Deuterium Production

52-Te-124

Cross Section -43.77 To 9999. %

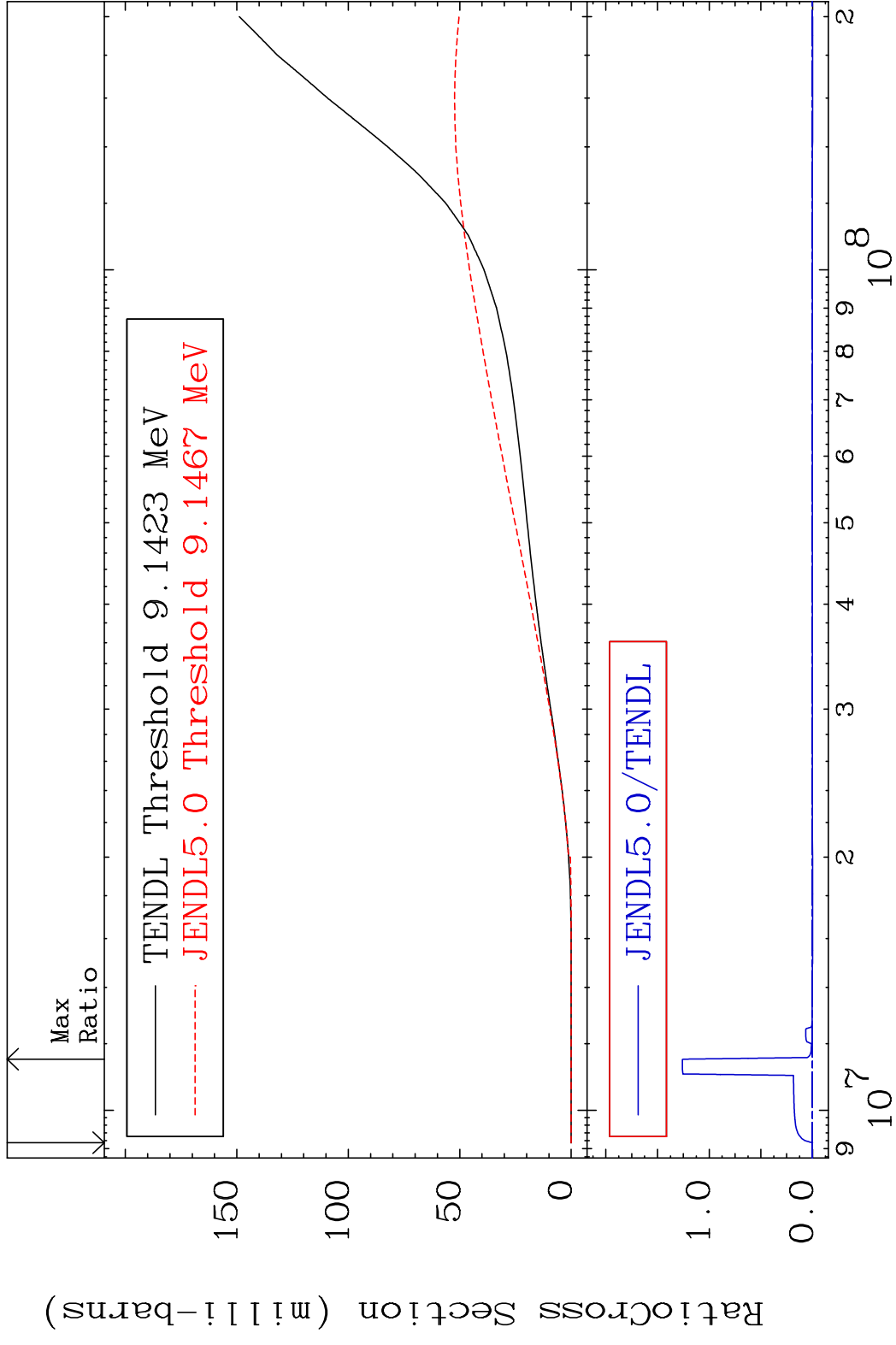


43

Incident Energy (eV)

52-Te-124

MAT 5237 Tritium Production 52-Te-124
 Cross Section -100.0 To 9999. %



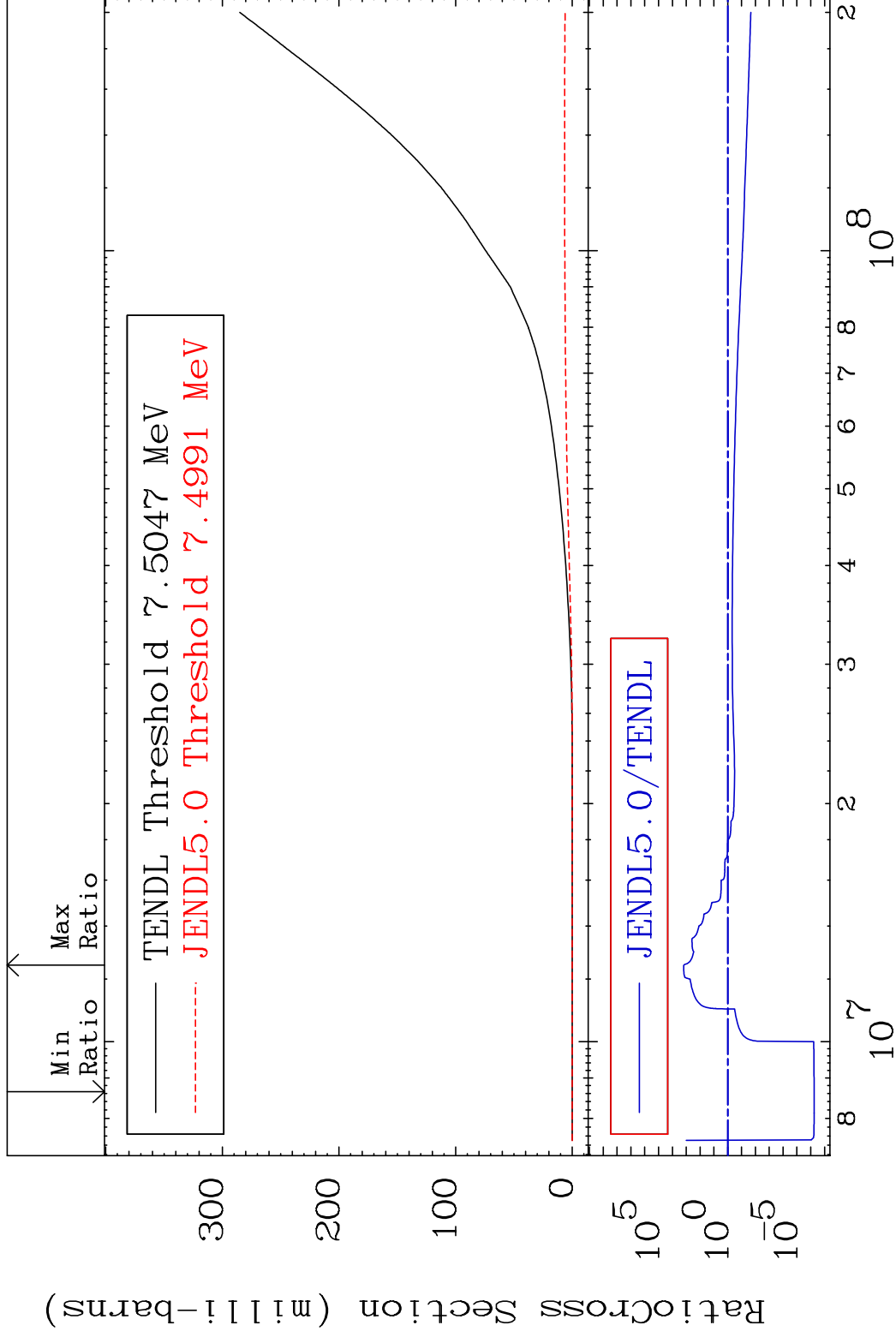
44 52-Te-124

MAT 5237

He-3 Production

52-Te-124

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

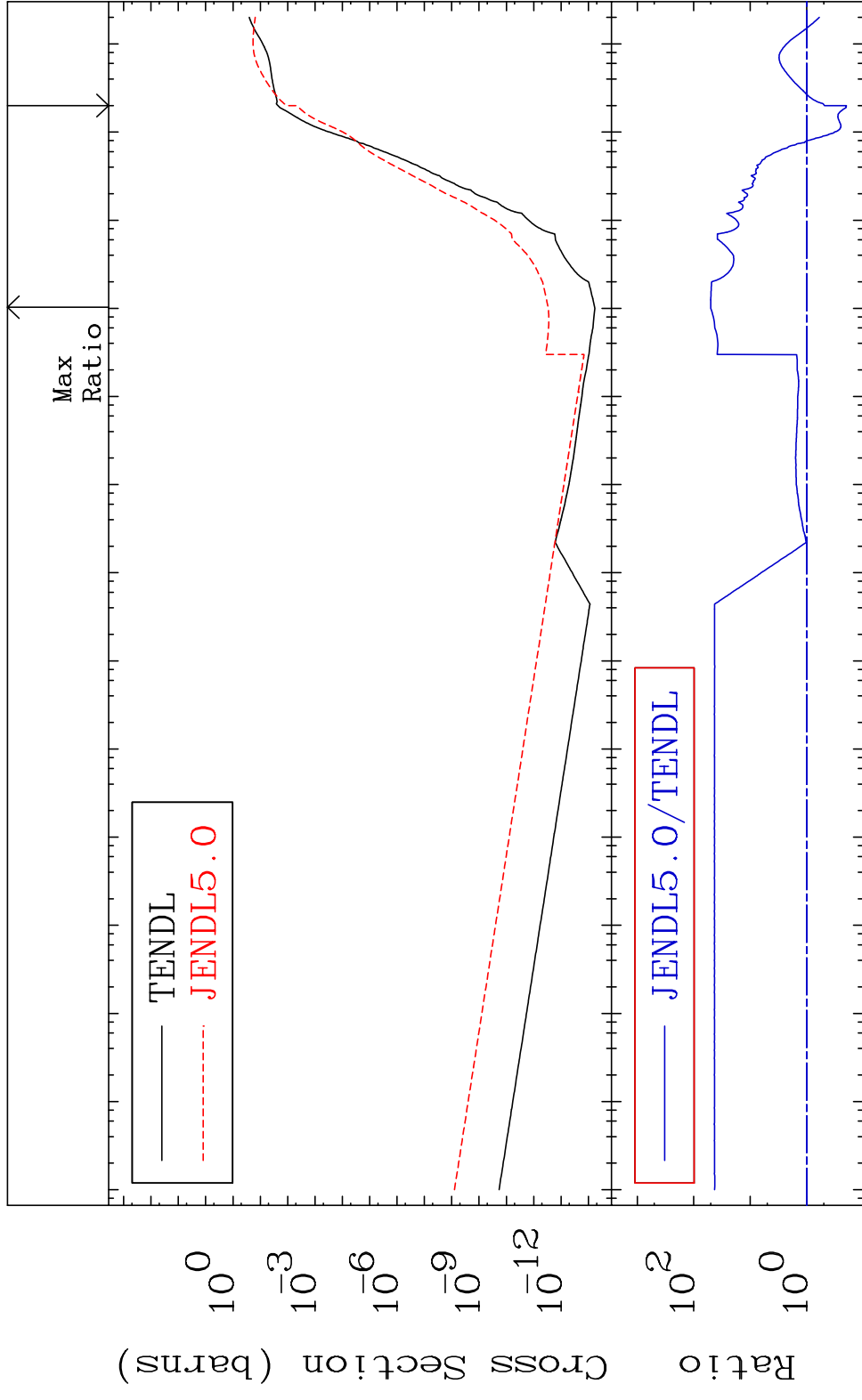
52-Te-124

MAT 5237

He-4 Production

52-Te-124

Cross Section -80.05 To 4911. %

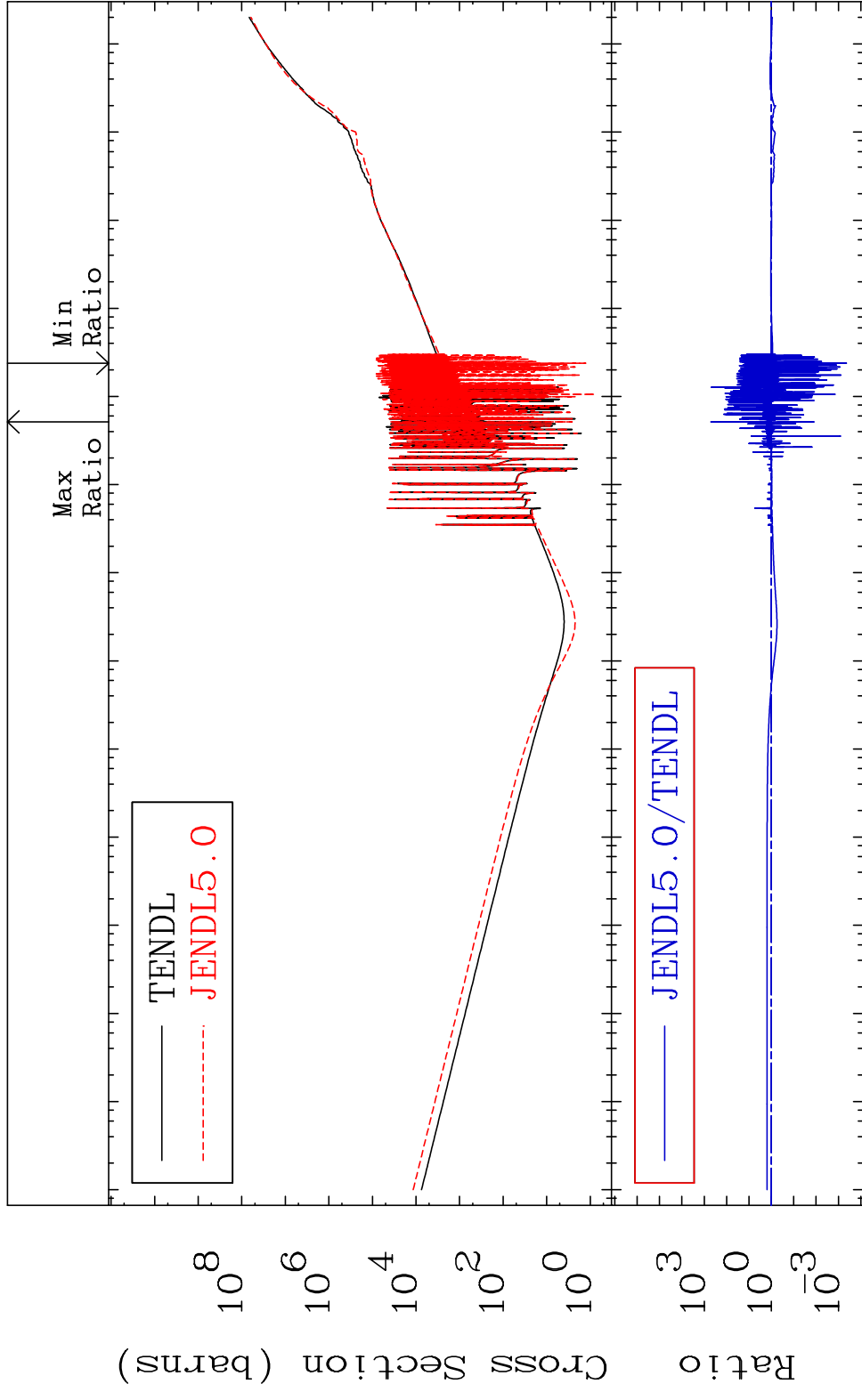


46

Incident Energy (eV)

52-Te-124

MAT 5237 Kerma total (eV-barns) 52-Te-124
 Cross Section -99.96 To 9999. %



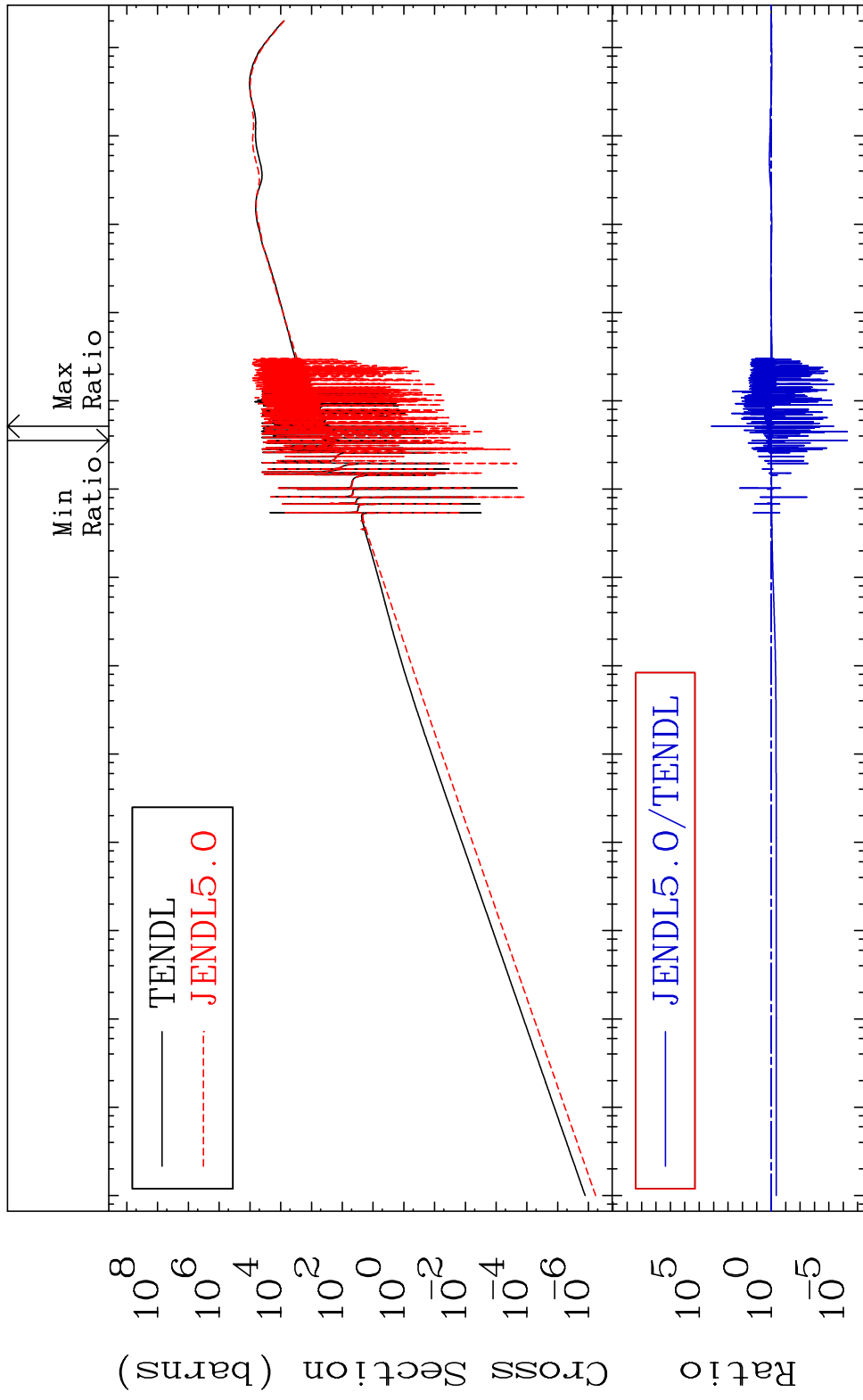
47 Incident Energy (eV) 52-Te-124

MAT 5237

Kerma elastic

52-Te-124

Cross Section -100.0 To 9999. %

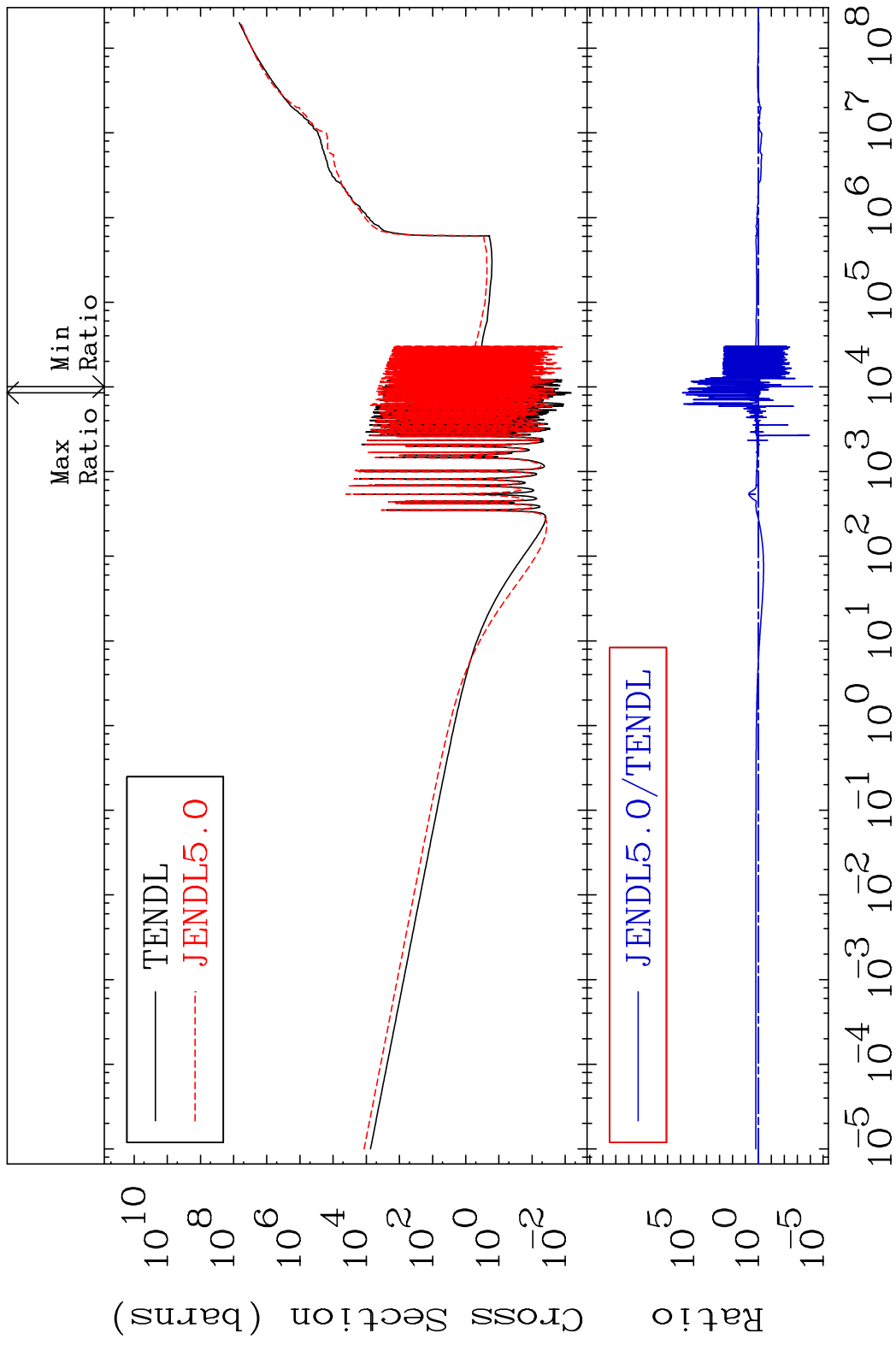


48

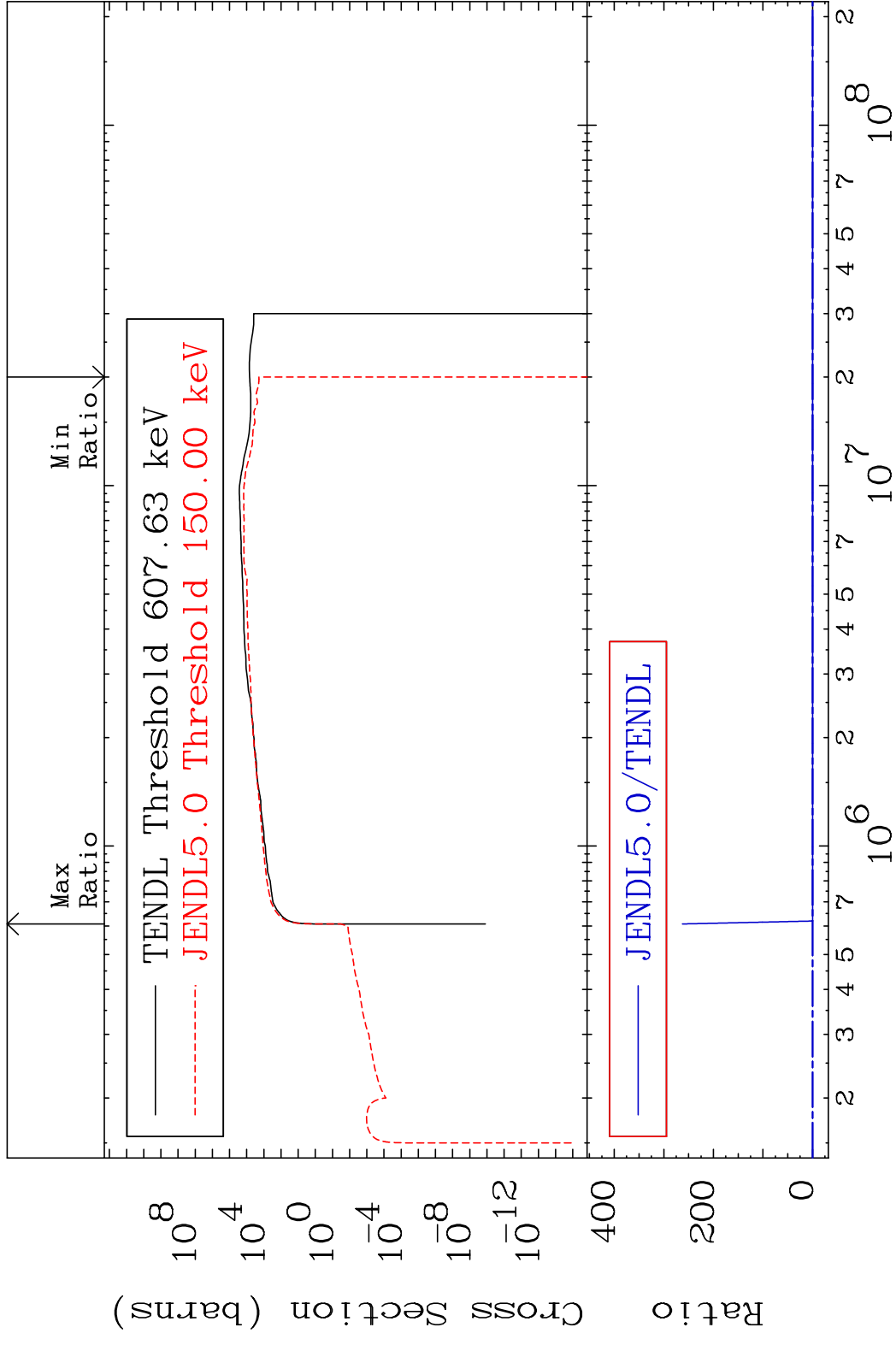
Incident Energy (eV)

52-Te-124

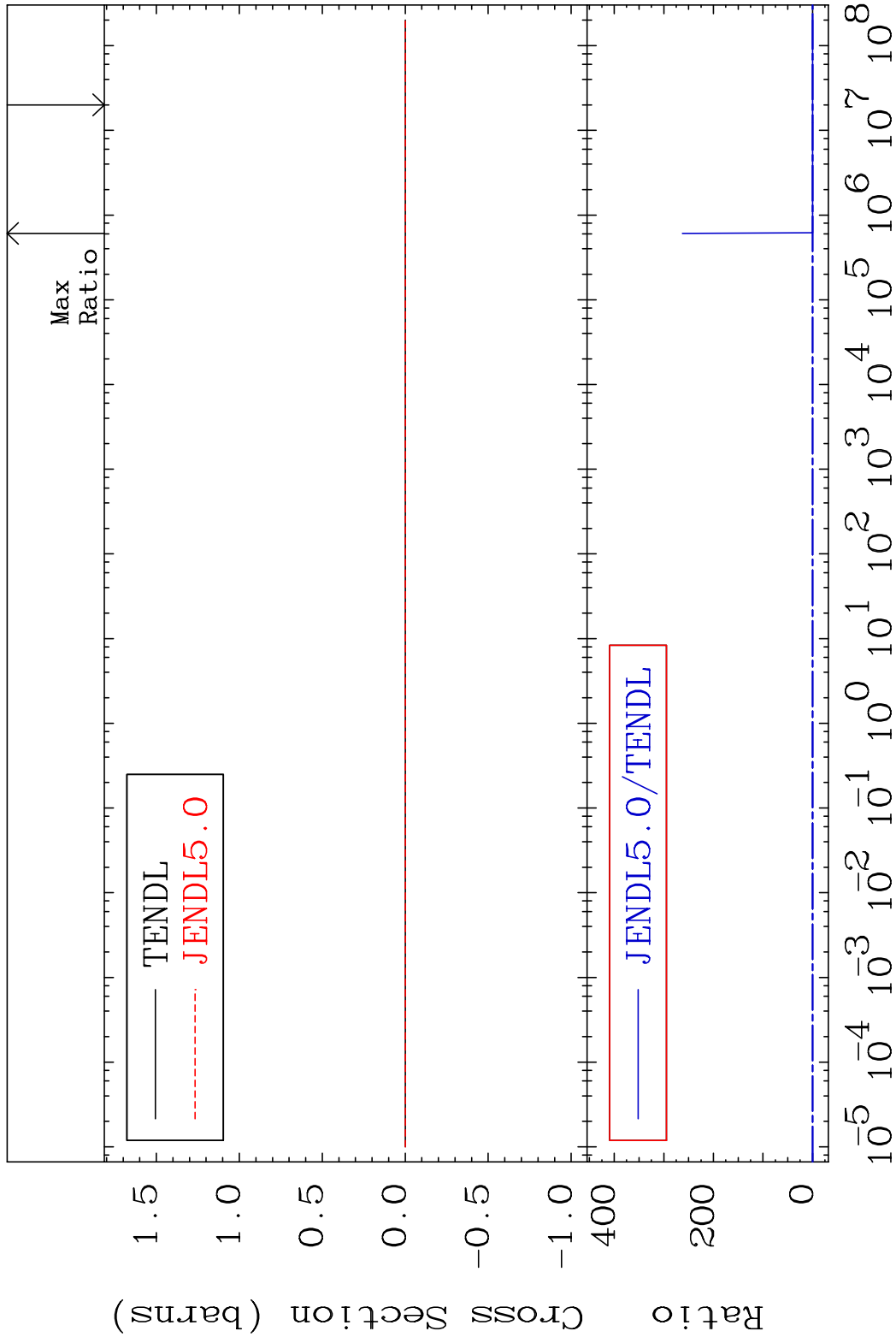
MAT 5237 Kerma non-elastic (all but mt2) 52-Te-124
 Cross Section -99.99 To 9999. %



MAT 5237 Kerma inelastic (mt51-91) 52-Te-124
 Cross Section -100.0 To 9999. %



MAT 5237 Kerma fission (mt18 or mt19-20-21-38) 52-Te-124
 Cross Section -100.0 To 9999. %

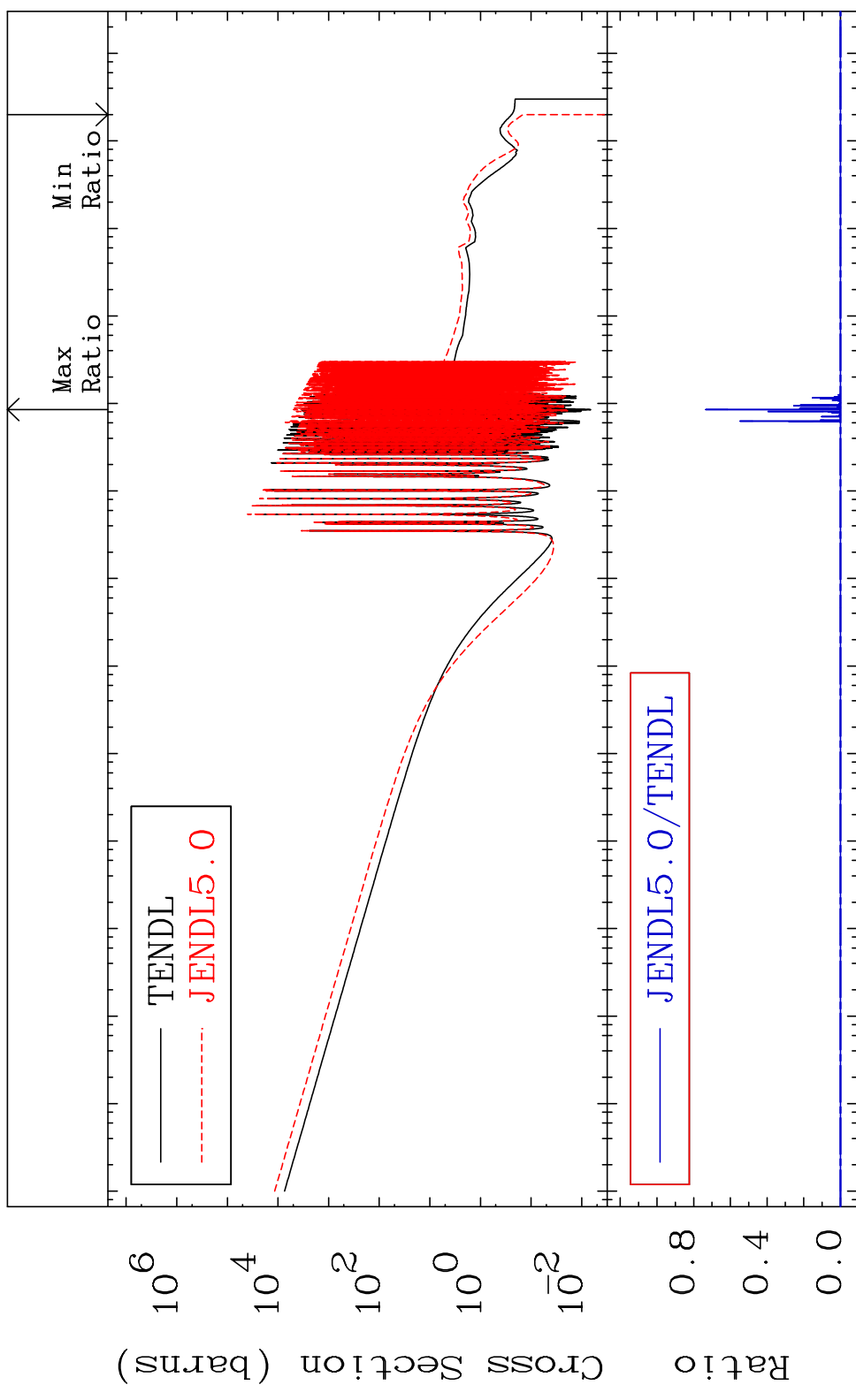


MAT 5237

Kerma capture (mt102)

52-Te-124

Cross Section -100.0 To 9999. %

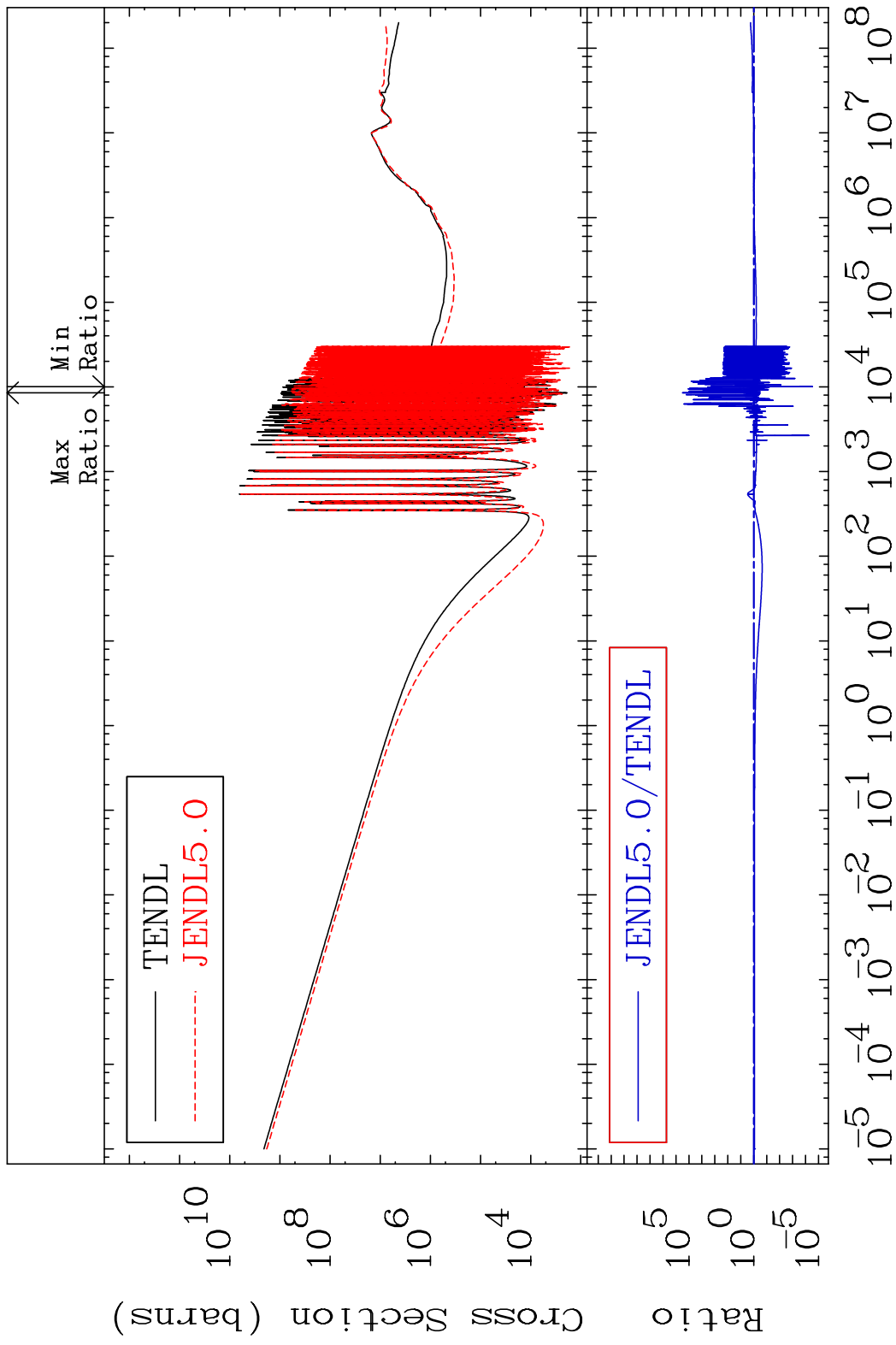


52

Incident Energy (eV)

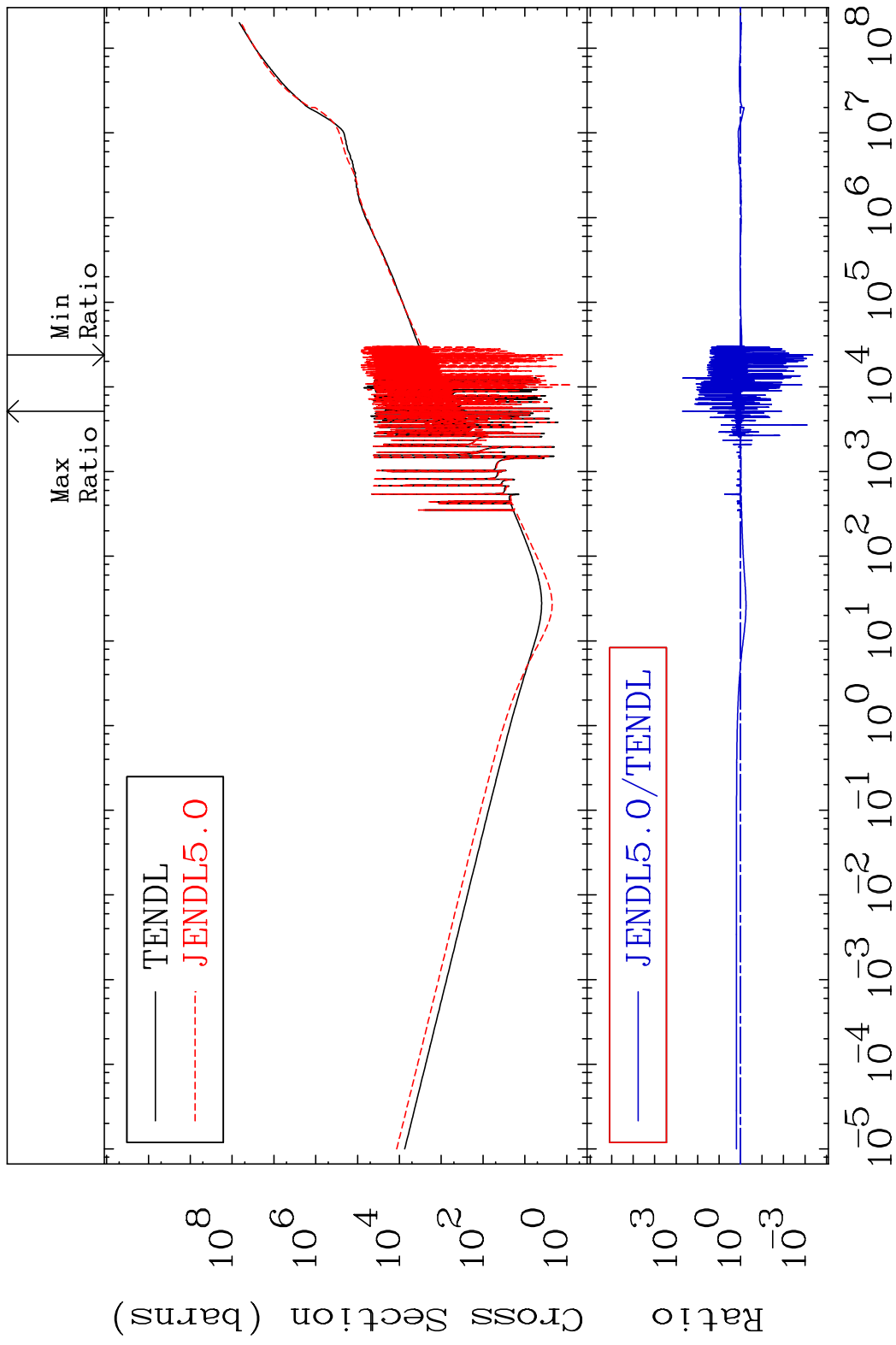
52-Te-124

MAT 5237 Total photon (eV-barns) 52-Te-124
Cross Section -100.0 To 9999. %



53 Incident Energy (eV) 52-Te-124

MAT 5237 Total kinematic kerma (high limit) 52-Te-124
 Cross Section -99.96 To 9999. %

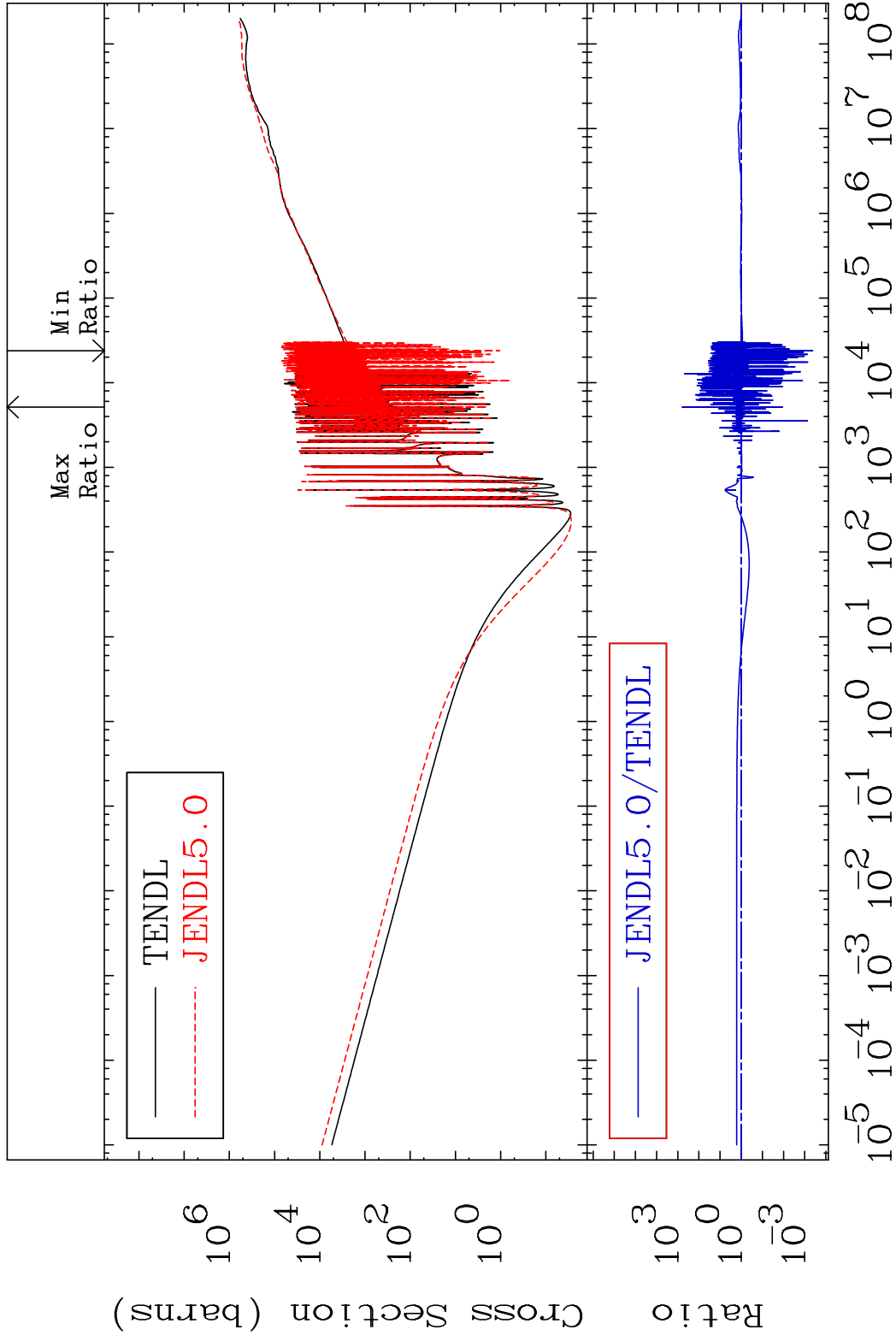


MAT 5237

Dpa total (eV-barns)

52-Te-124

Cross Section -99.96 To 9999. %



55

Incident Energy (eV)

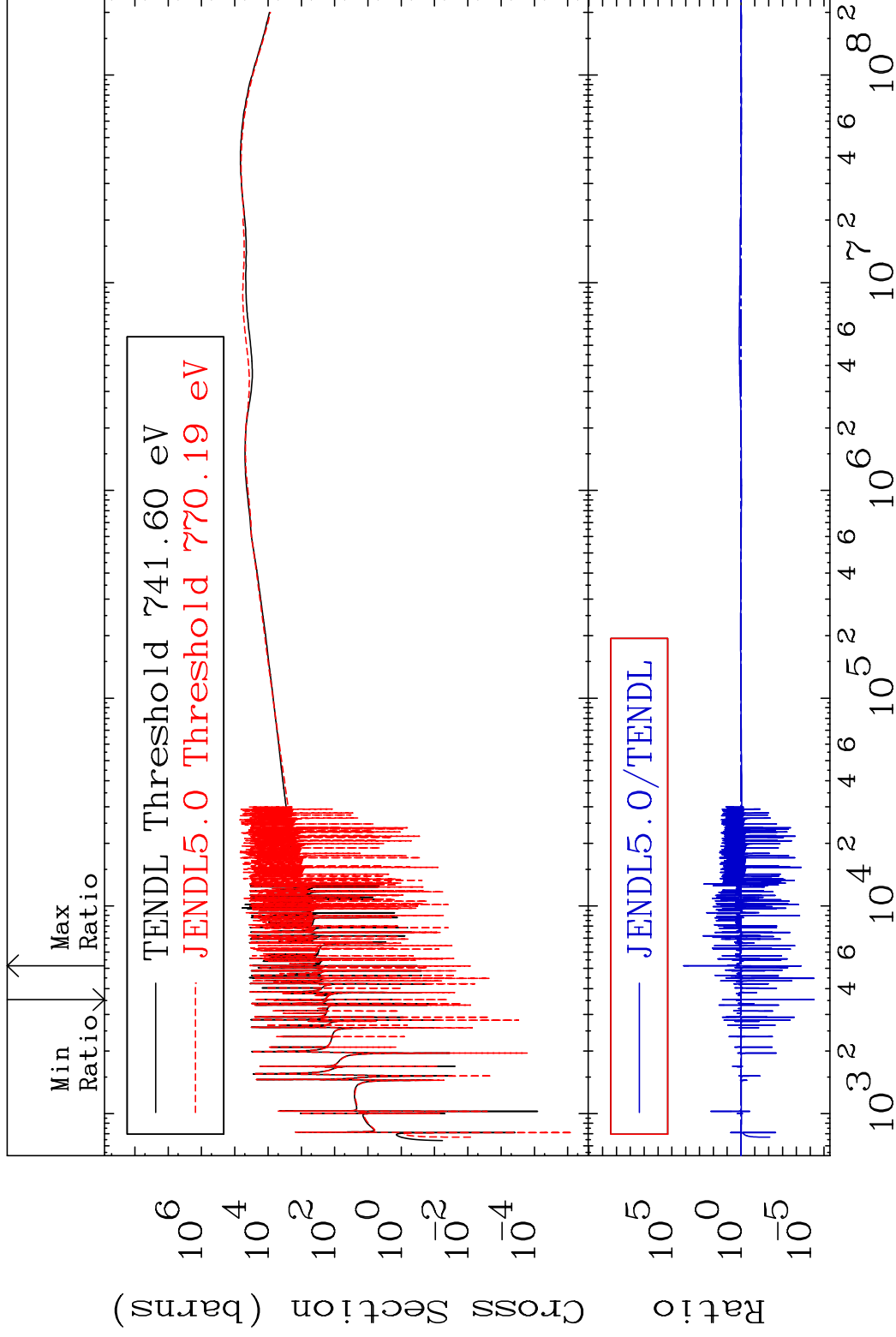
52-Te-124

MAT 5237

Dpa elastic (mt2)

52-Te-124

Cross Section -100.0 To 9999. %



56

Incident Energy (eV)

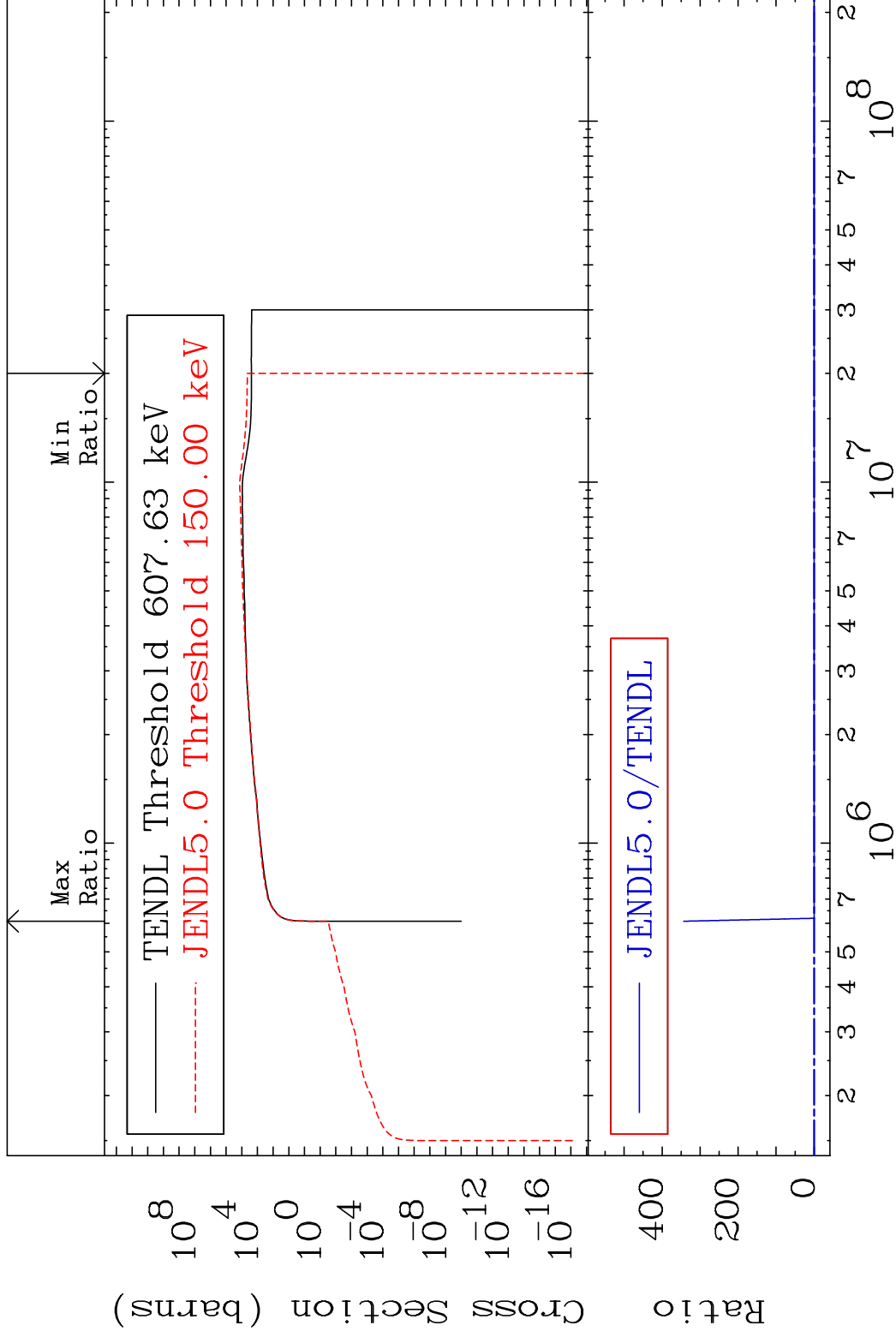
52-Te-124

MAT 5237

Dpa inelastic (mt51-91)

52-Te-124

Cross Section -100.0 To 9999. %

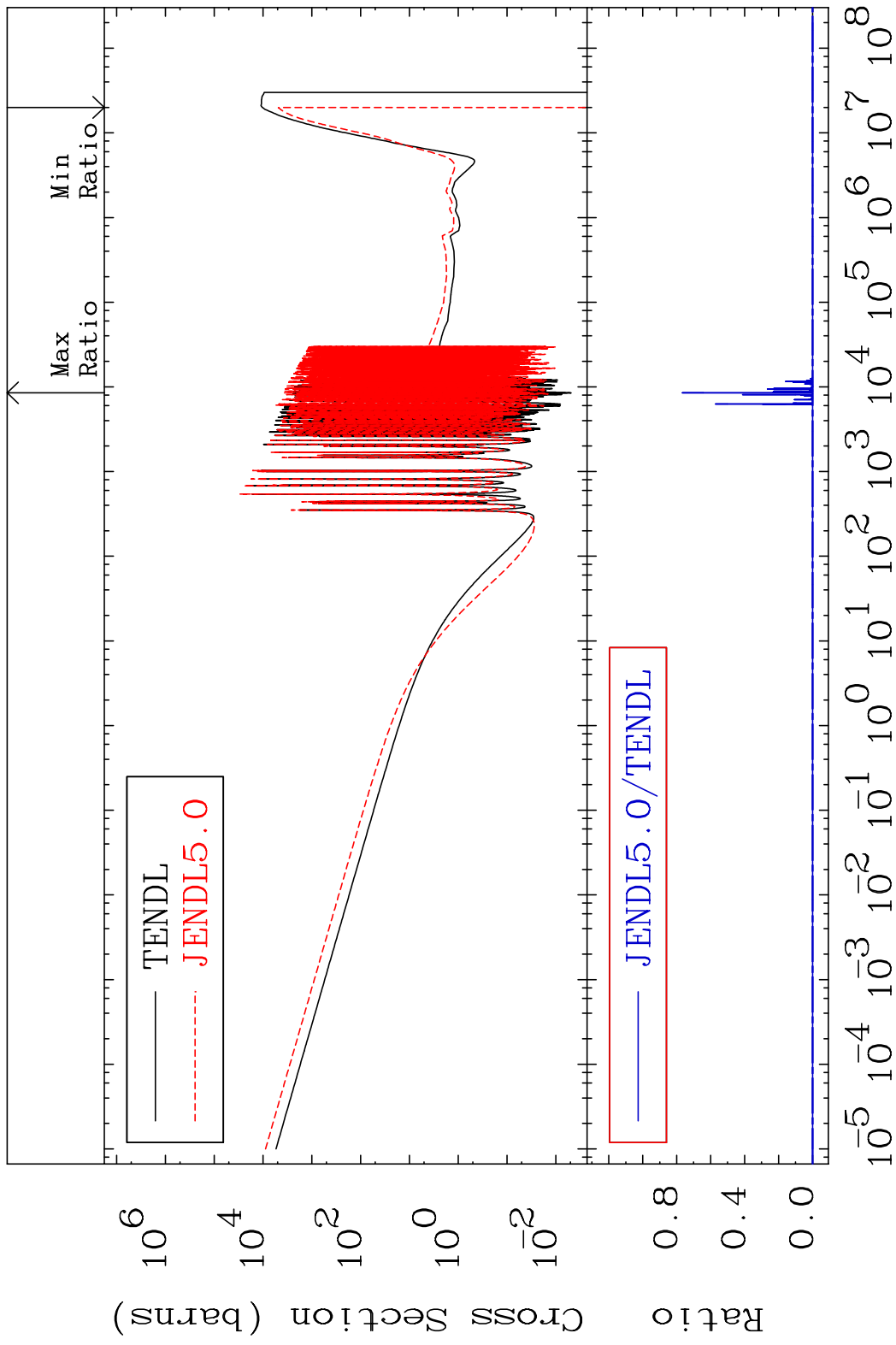


57

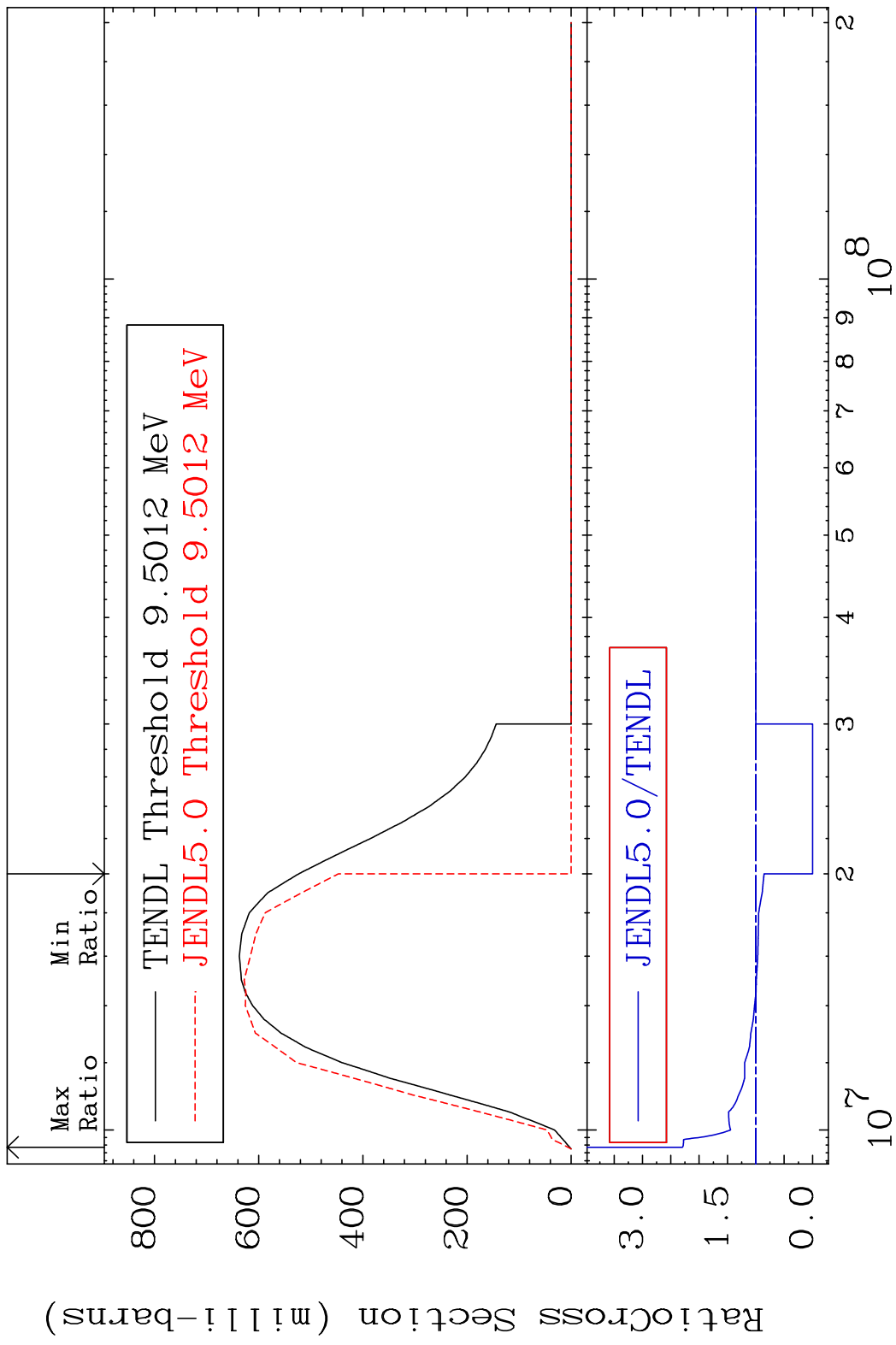
Incident Energy (eV)

52-Te-124

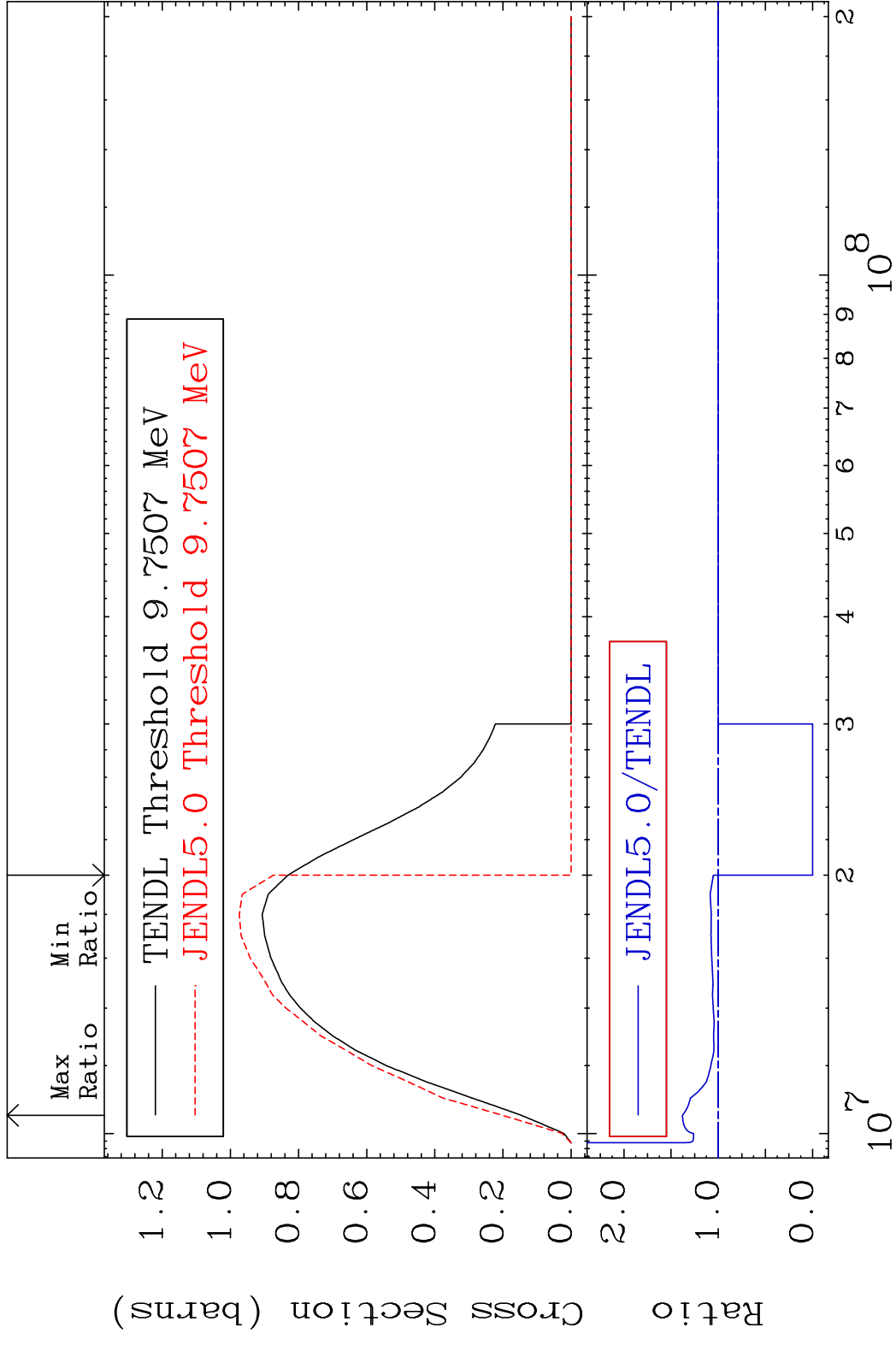
MAT 5237 Dpa disappearance (mt102 -120) 52-Te-124
 Cross Section -100.0 To 9999. %



MAT 5237 (n,2n):52-Te-123g 52-Te-124
 Radionuclide Production Cross Section 180.0 dth 129.6 %

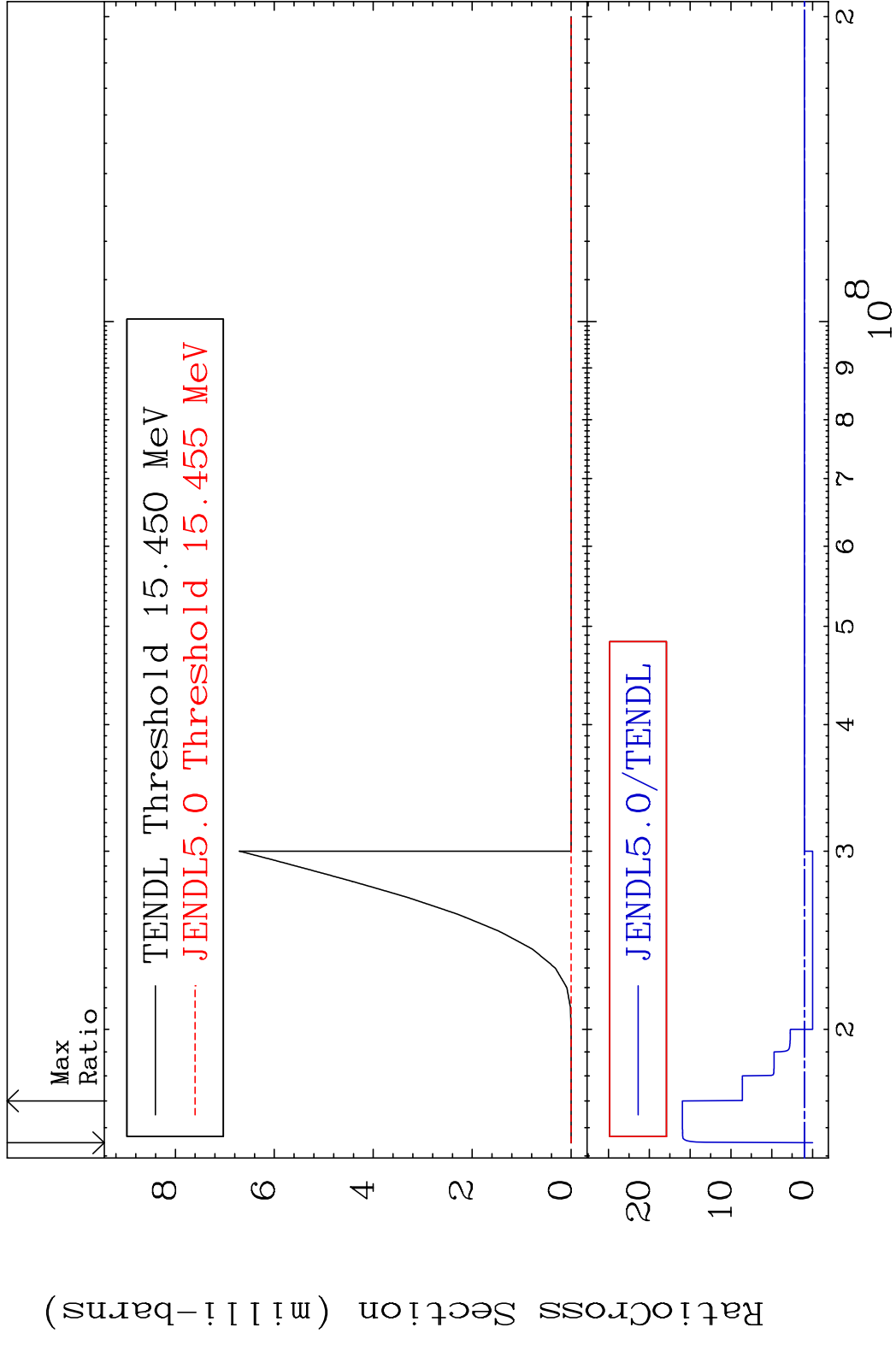


MAT 5237 (n,2n):52-Te-123m2 52-Te-124
 Radionuclide Production Cross Section 180.01 dth 38.04 %

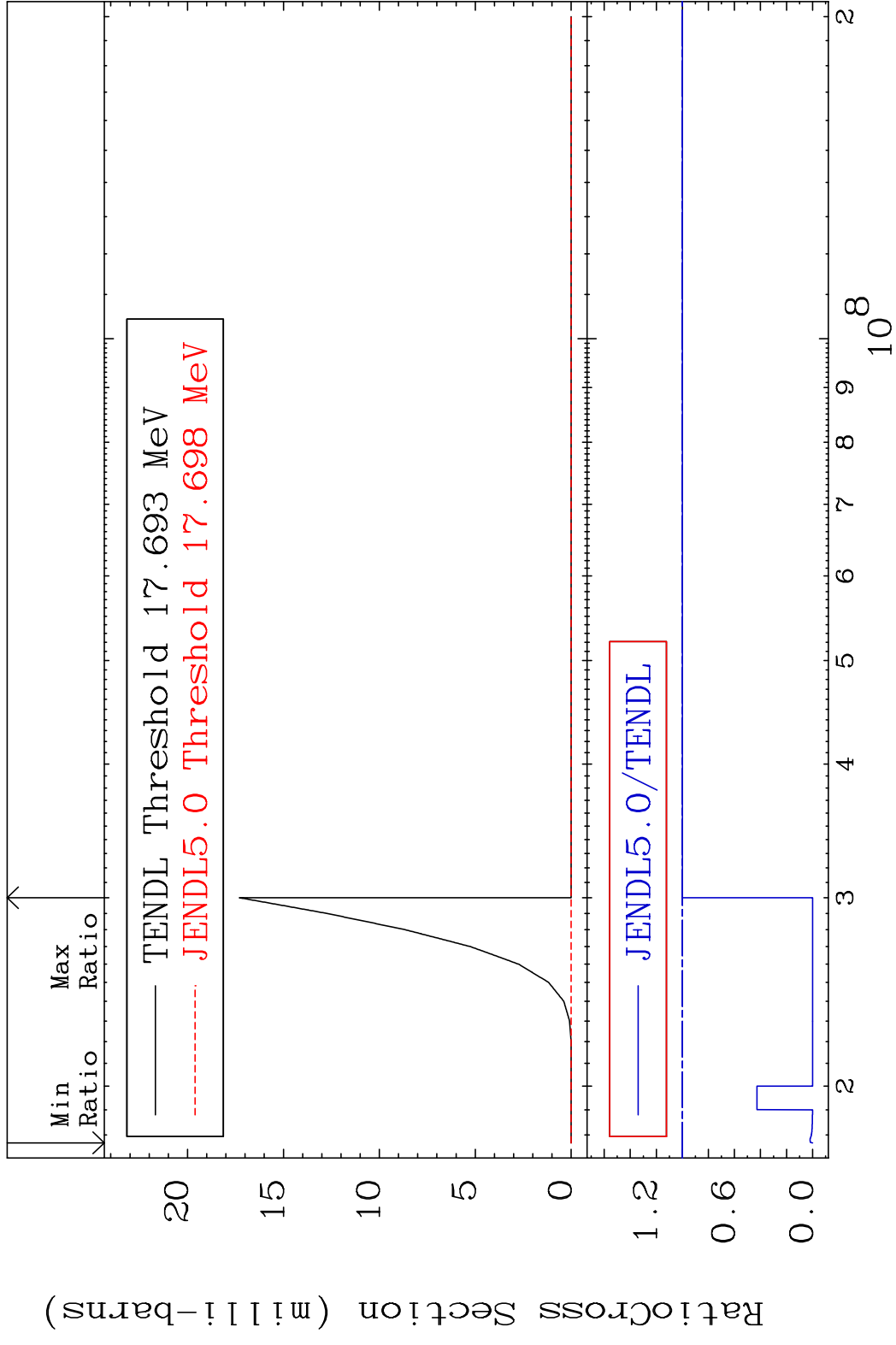


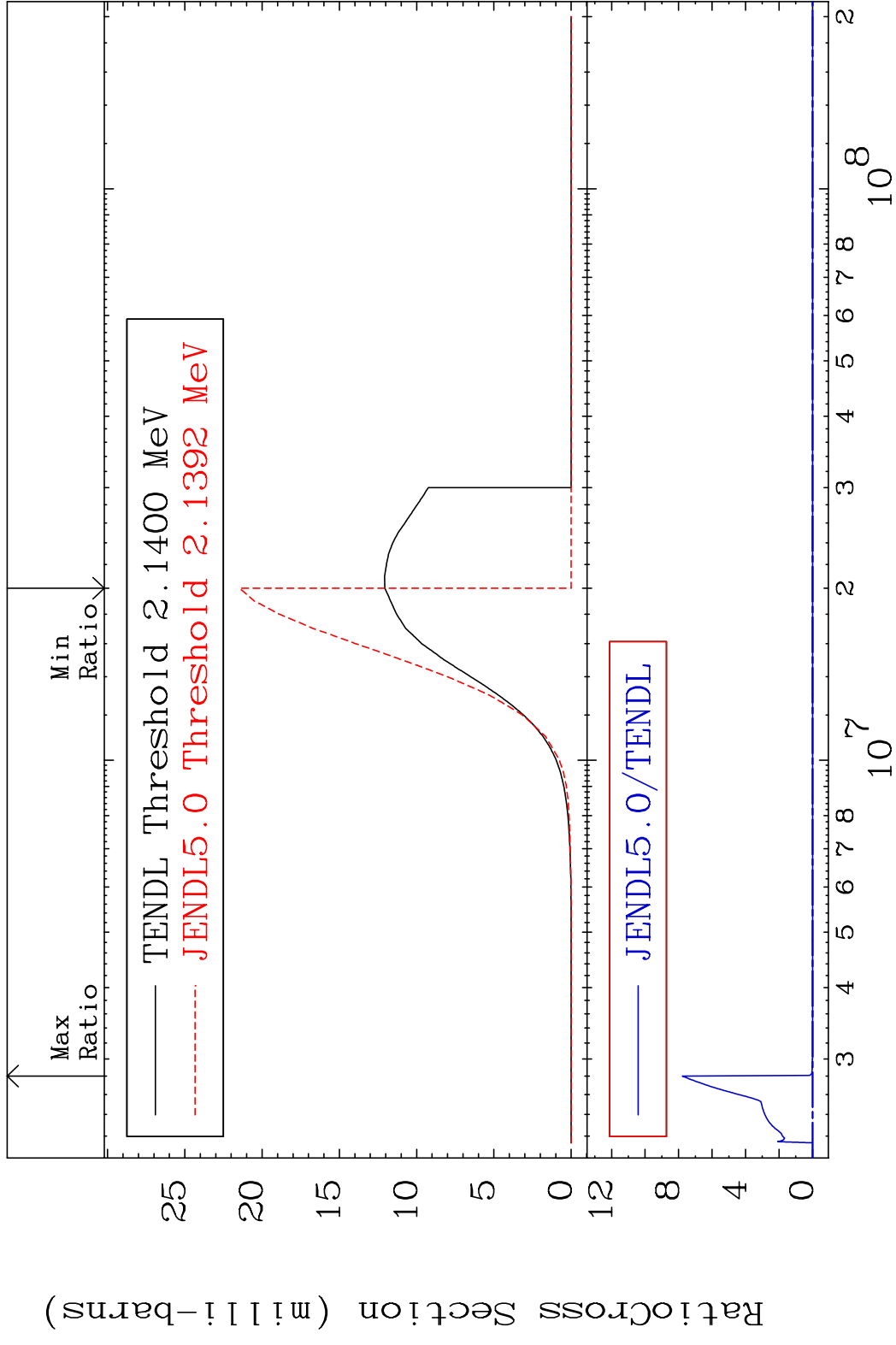
60 Incident Energy (eV) 52-Te-124

MAT 5237 (n, n') d:51-Sb-122g 52-Te-124
 Radionuclide Production Cross Section 180.0 dth 1496. %

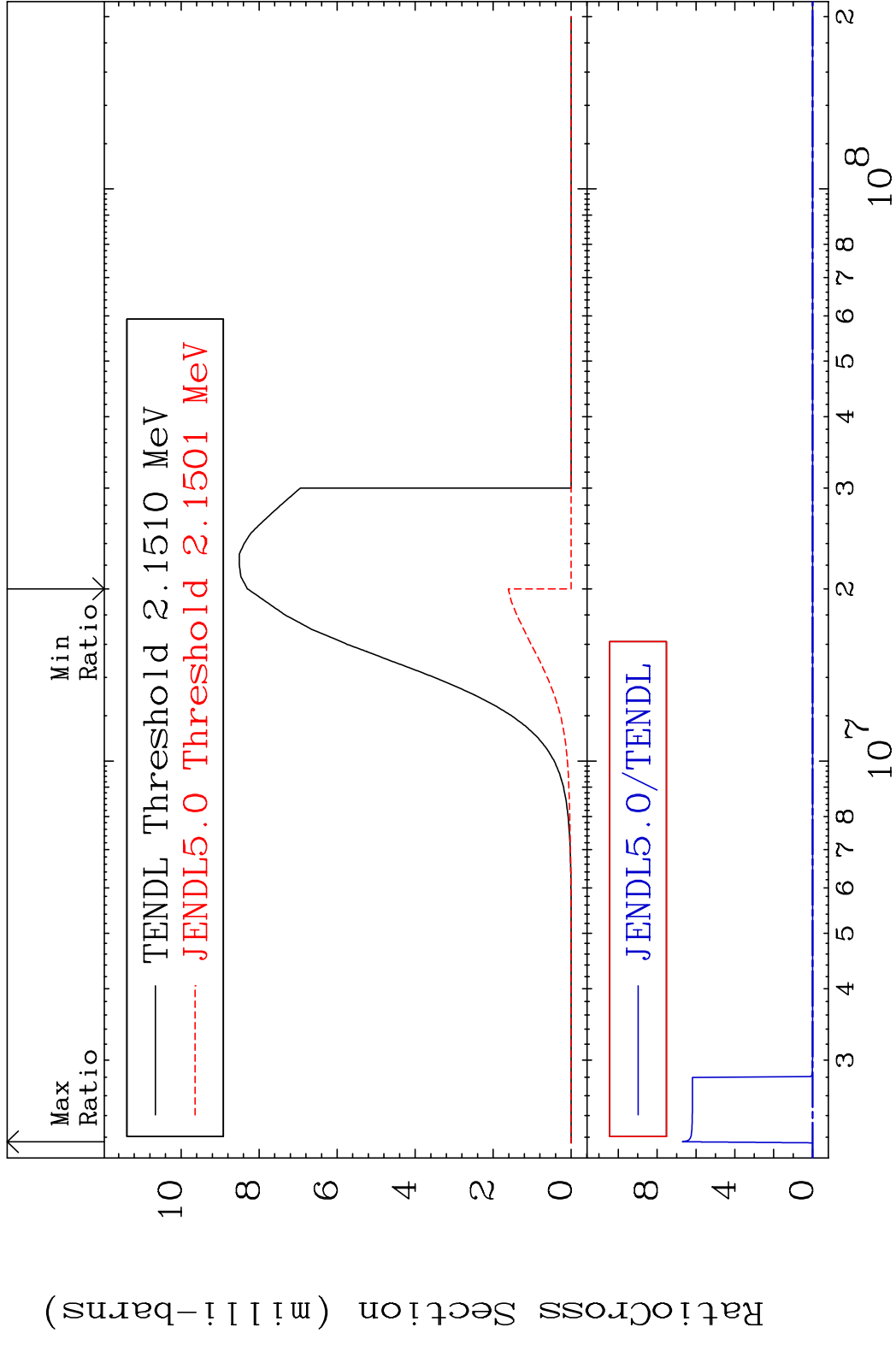


MAT 5237 (n,2n) p:51-Sb-122g 52-Te-124
 Radionuclide Production Cross Section Ratio 0.000 %

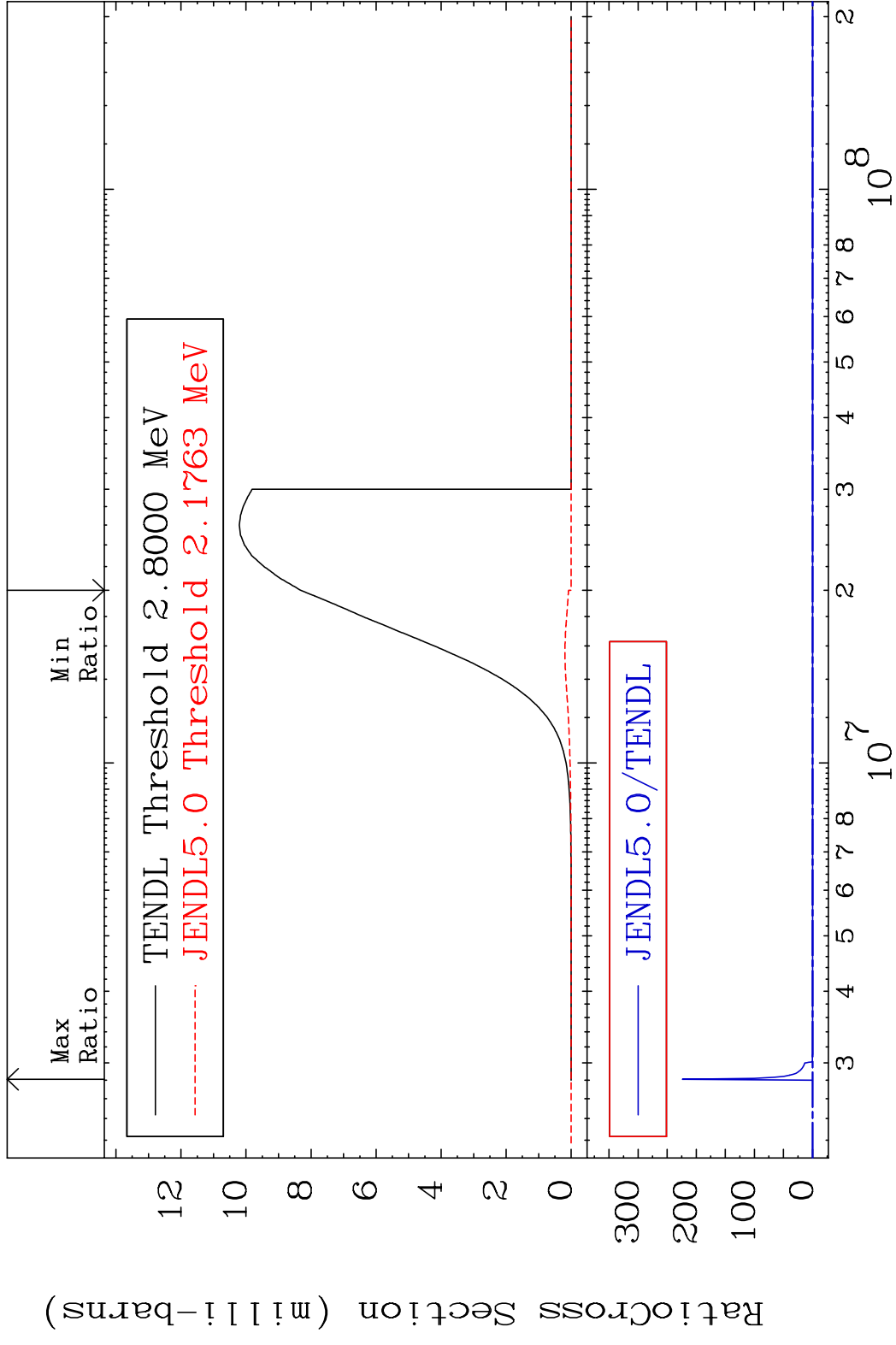




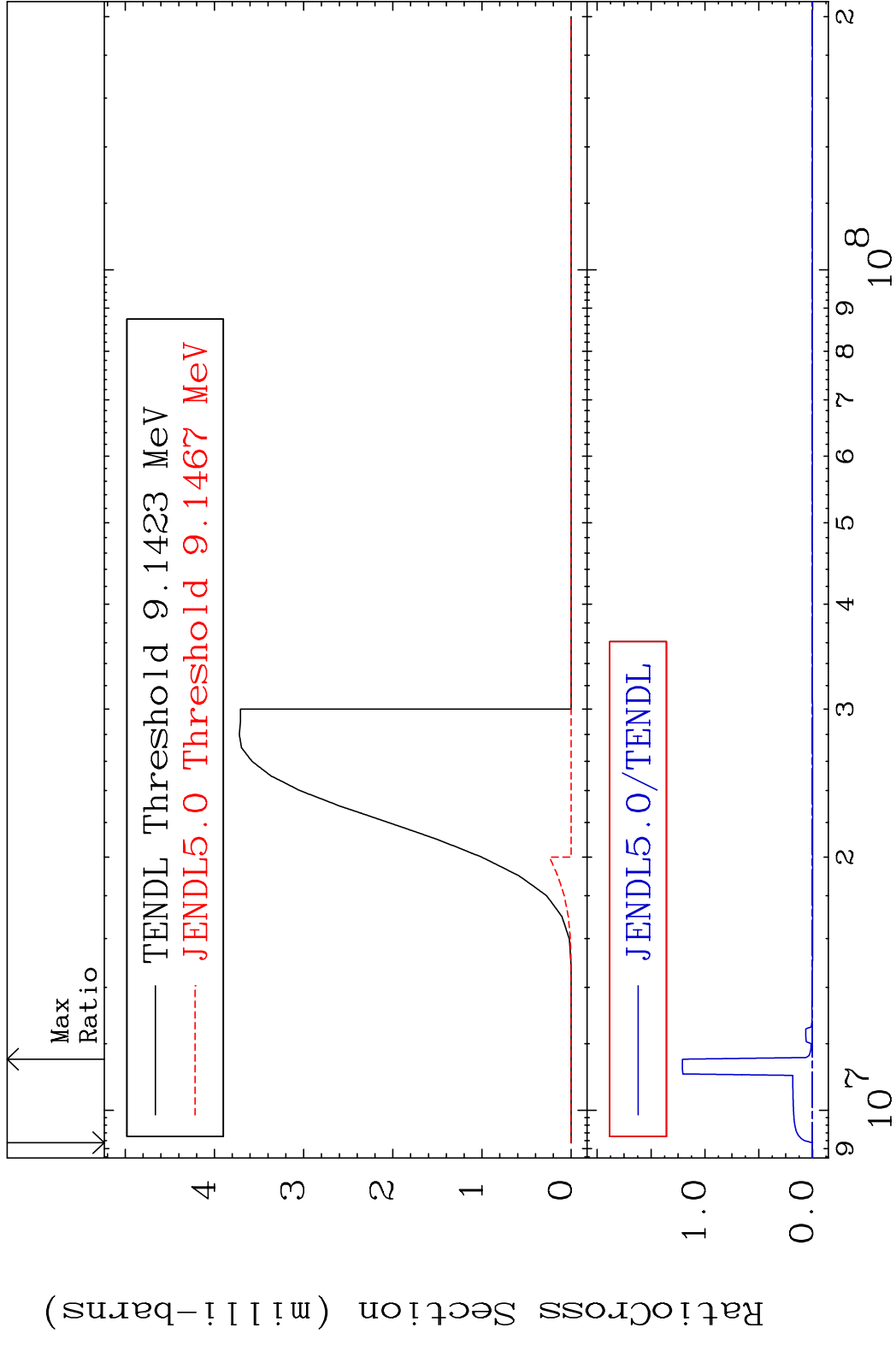
MAT 5237 (n, p):51-Sb-124m1 52-Te-124
 Radionuclide Production Cross Section 100.00 % 9999. %



MAT 5237 (n, p):51-Sb-124m2 52-Te-124
 Radionuclide Production Cross Section Ratio



MAT 5237 (n, t):51-Sb-122g 52-Te-124
 Radionuclide Production Cross Section 100.00 dth 9999. %



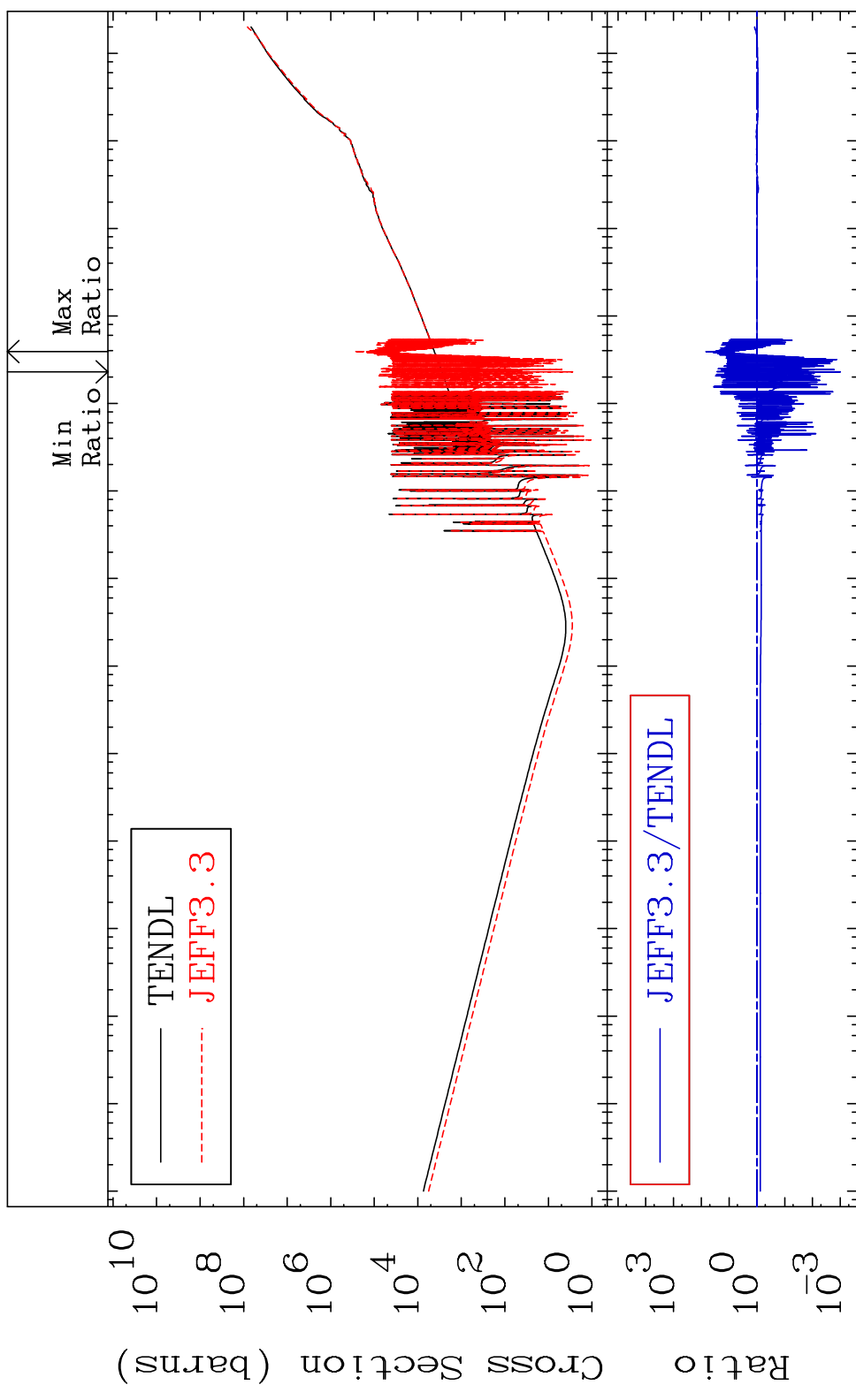
66 Incident Energy (eV) 52-Te-124

MAT 5237

Kerma total (eV-barns)

52-Te-124

Cross Section -99.90 To 6837. %



67

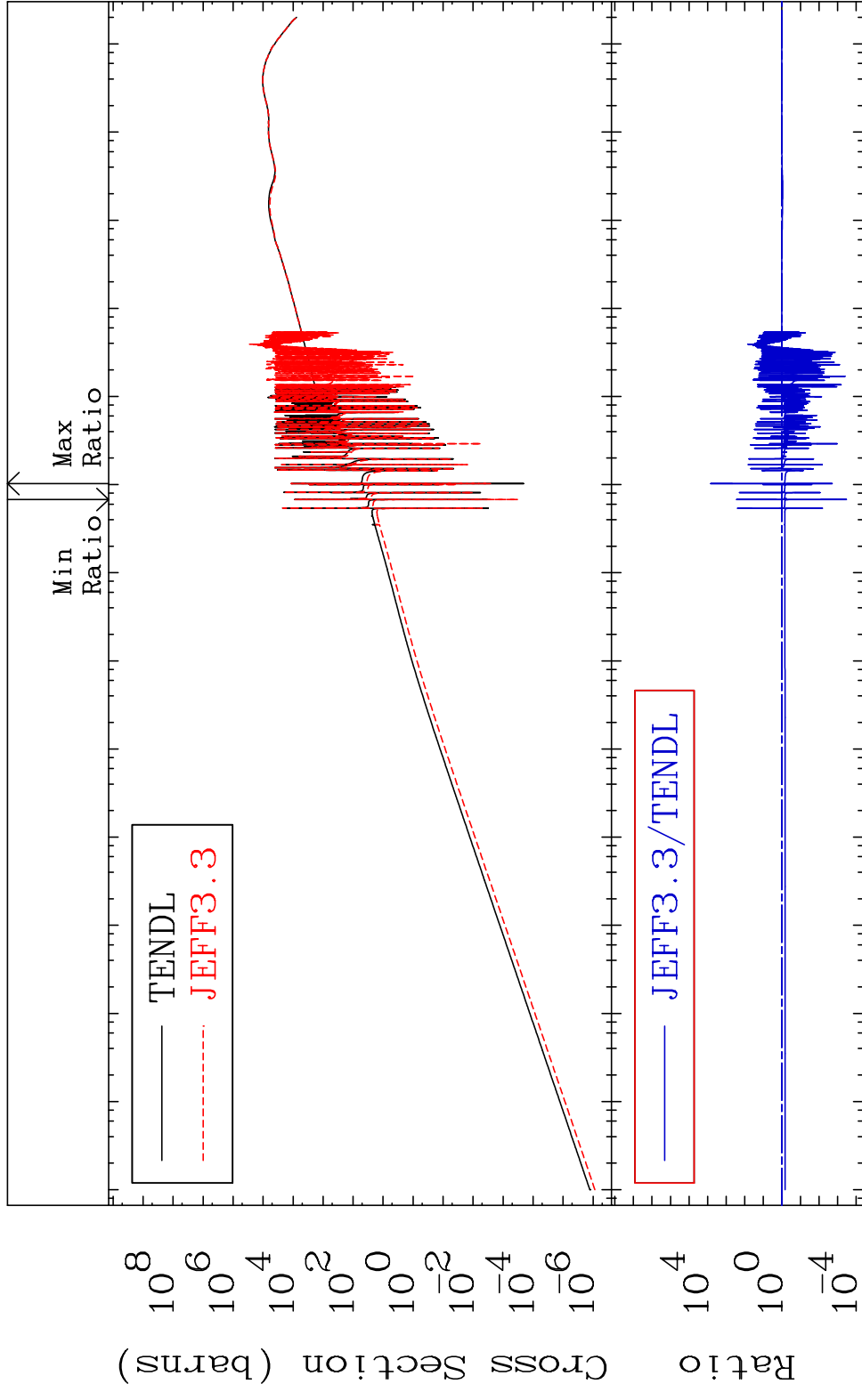
Incident Energy (eV)

52-Te-124

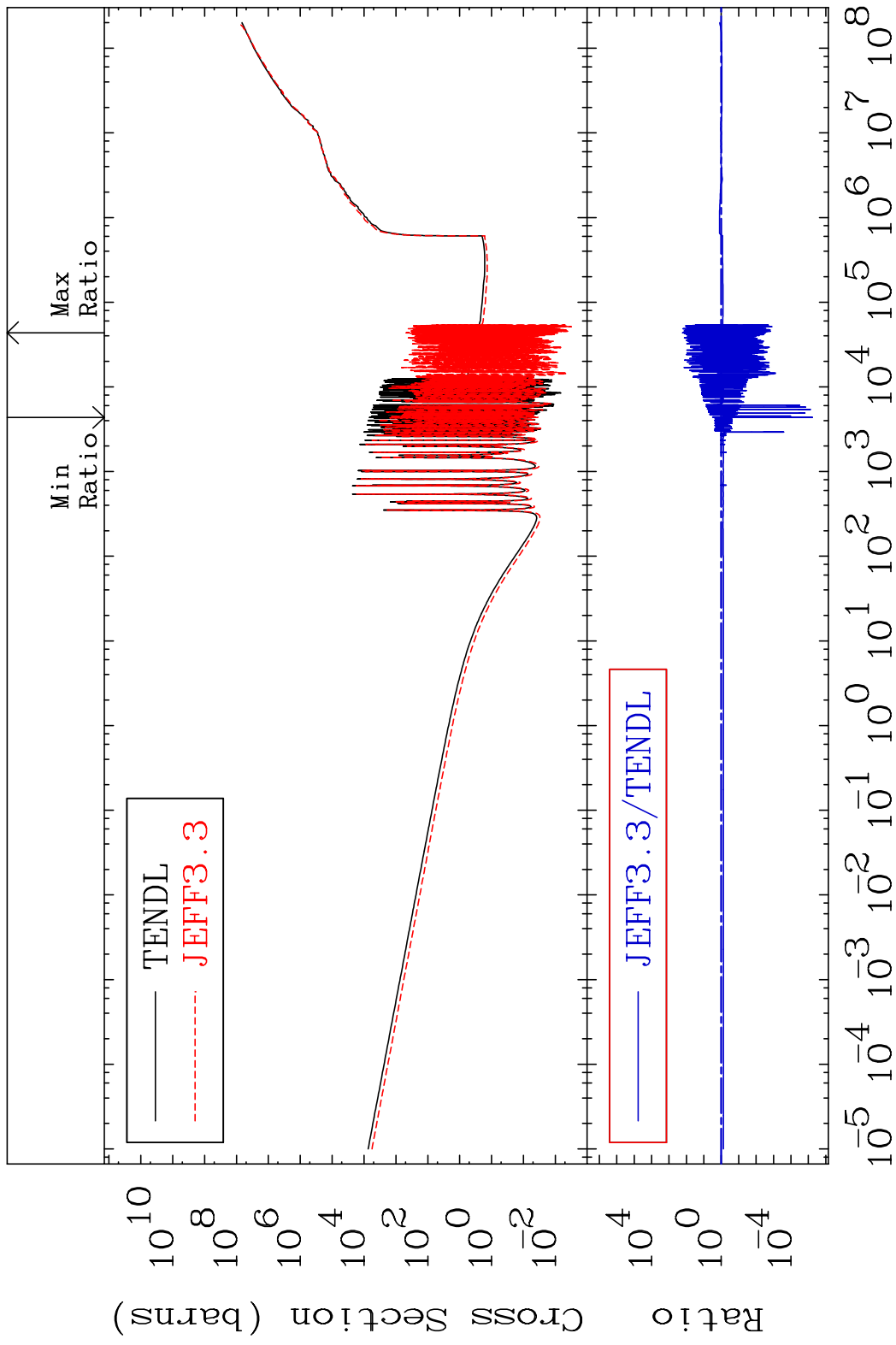
MAT 5237

Kerma elastic
Cross Section

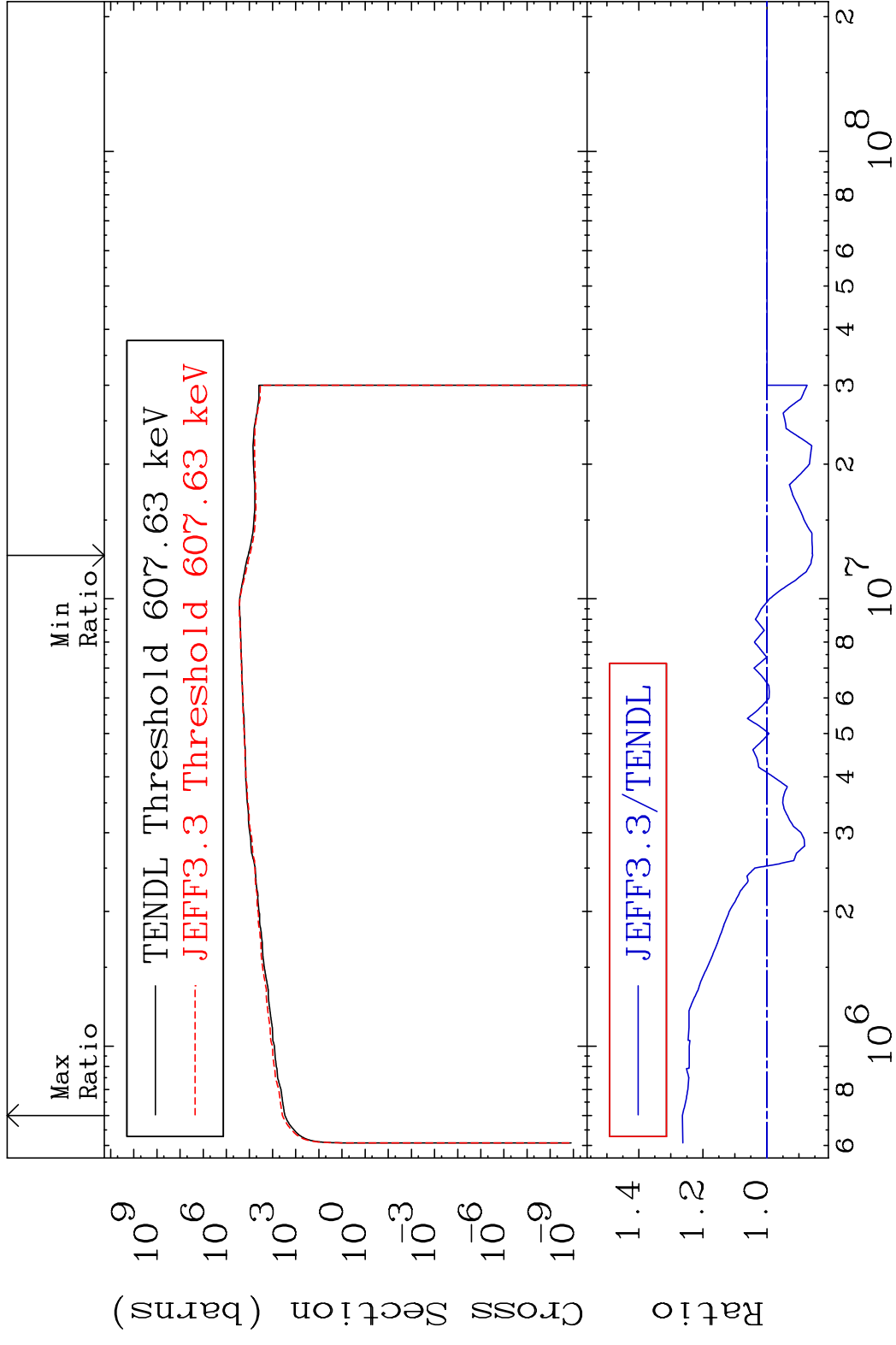
52-Te-124
-99.97 To 9999. %



MAT 5237 Kerma non-elastic (all but mt2) 52-Te-124
 Cross Section -100.0 To 9999. %

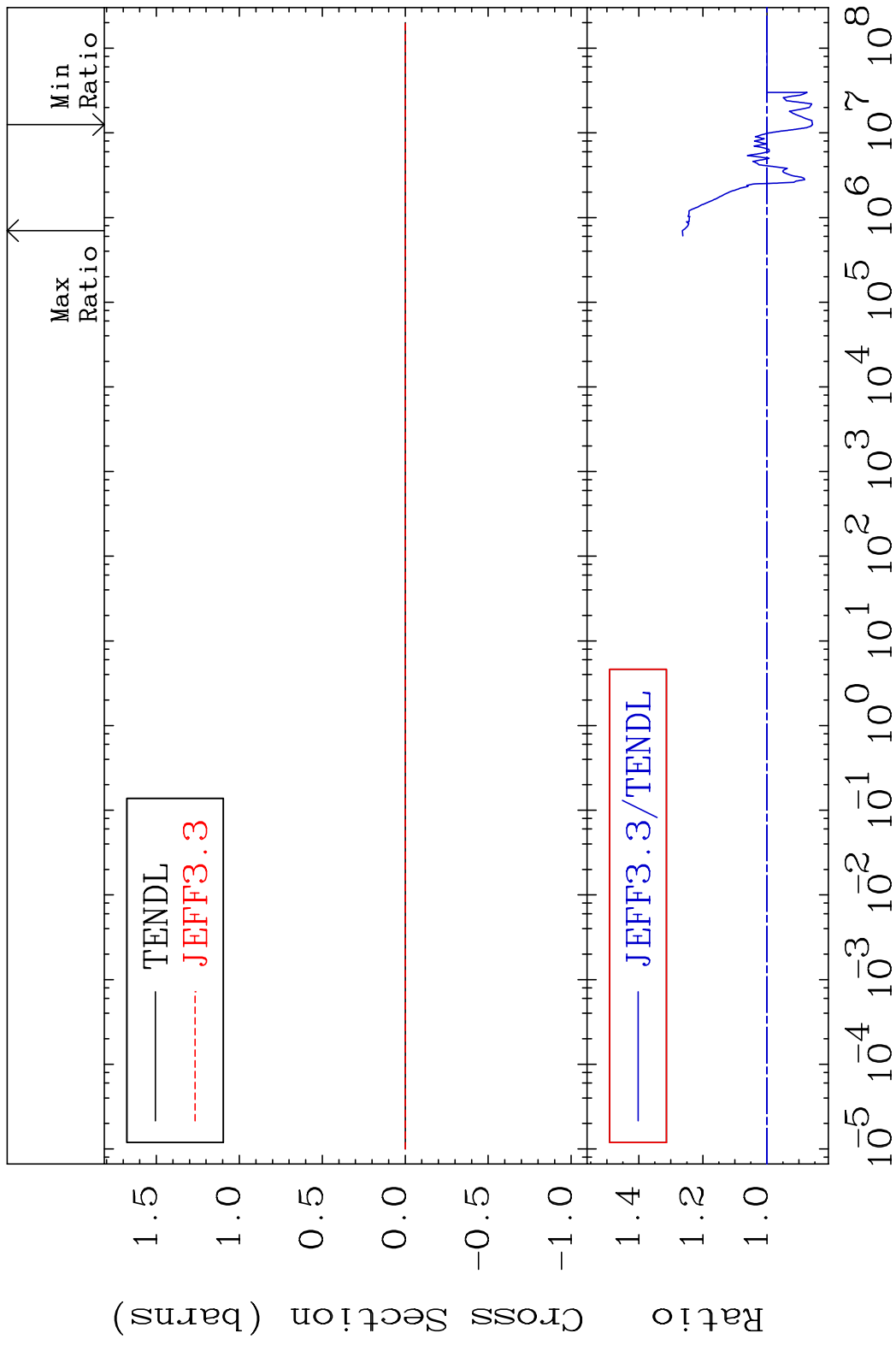


MAT 5237 Kerma inelastic (mt51-91) 52-Te-124
 Cross Section -14.27 To 26.40 %



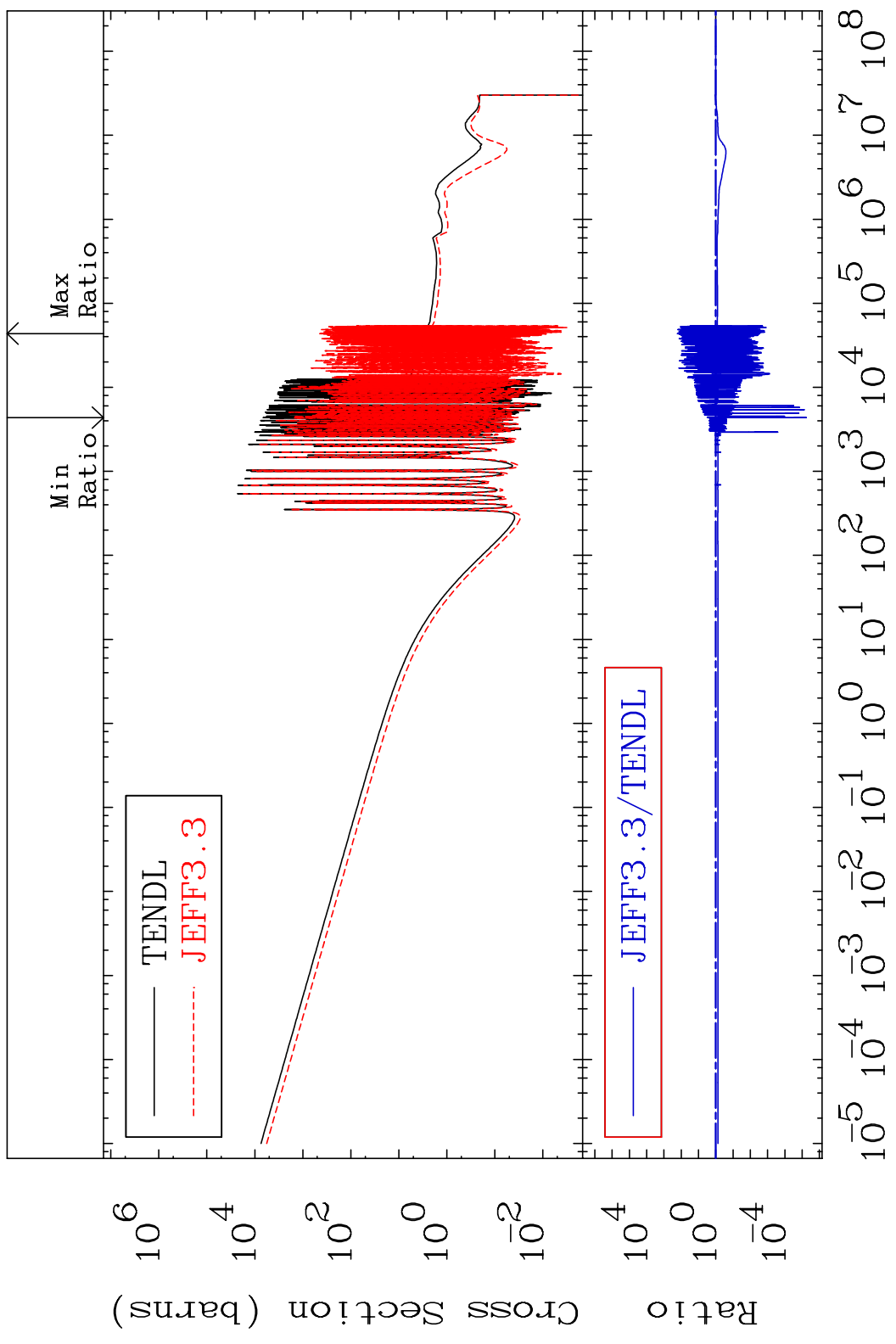
70 Incident Energy (eV) 52-Te-124

MAT 5237 Kerma fission (mt18 or mt19-20-21-38) 52-Te-124
 Cross Section -14.27 To 26.40 %



MAT 5237

Kerma capture (mt102) 52-Te-124
Cross Section -100.0 To 9999. %

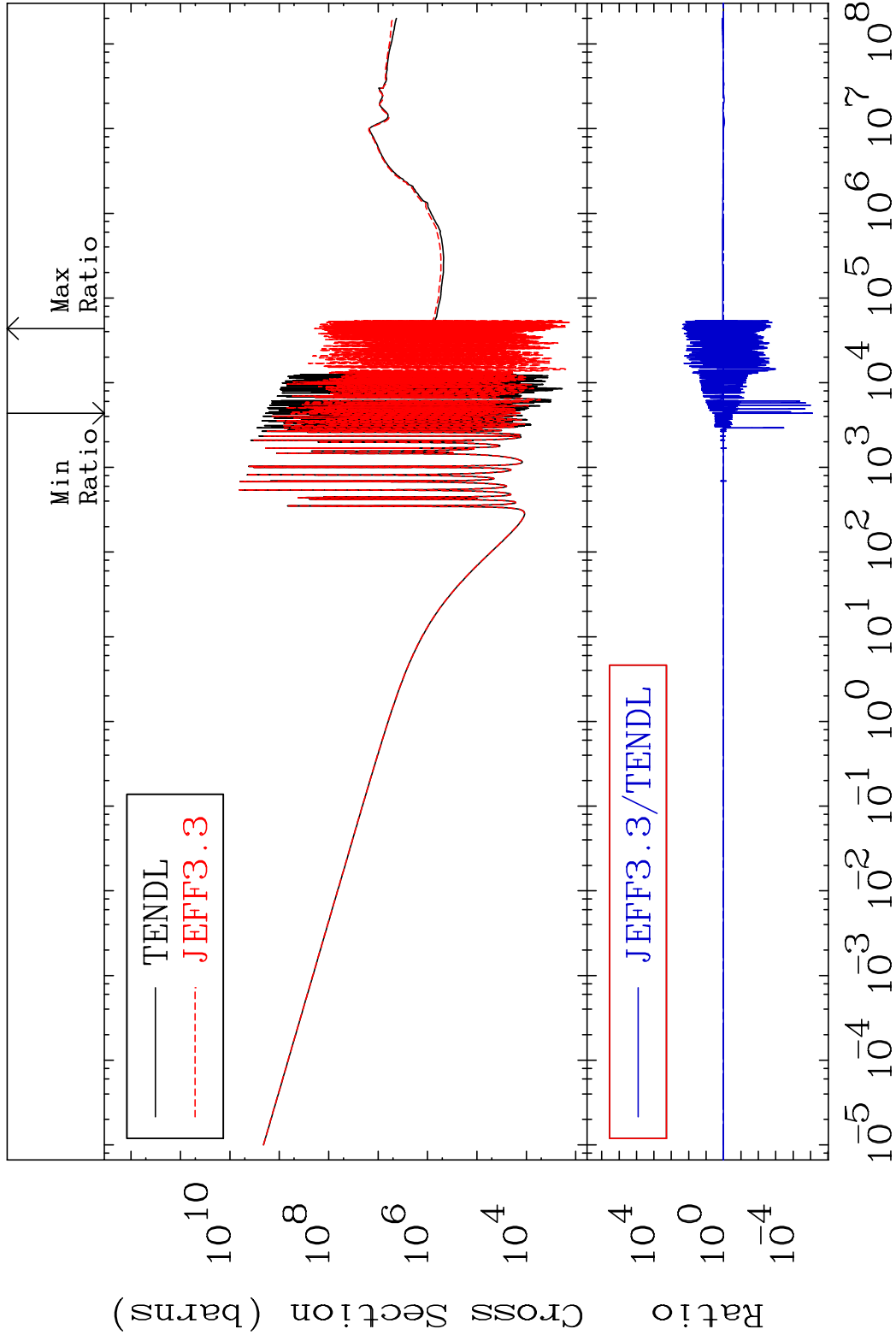


MAT 5237

Total photon (eV-barns)

52-Te-124

Cross Section -100.0 To 9999. %

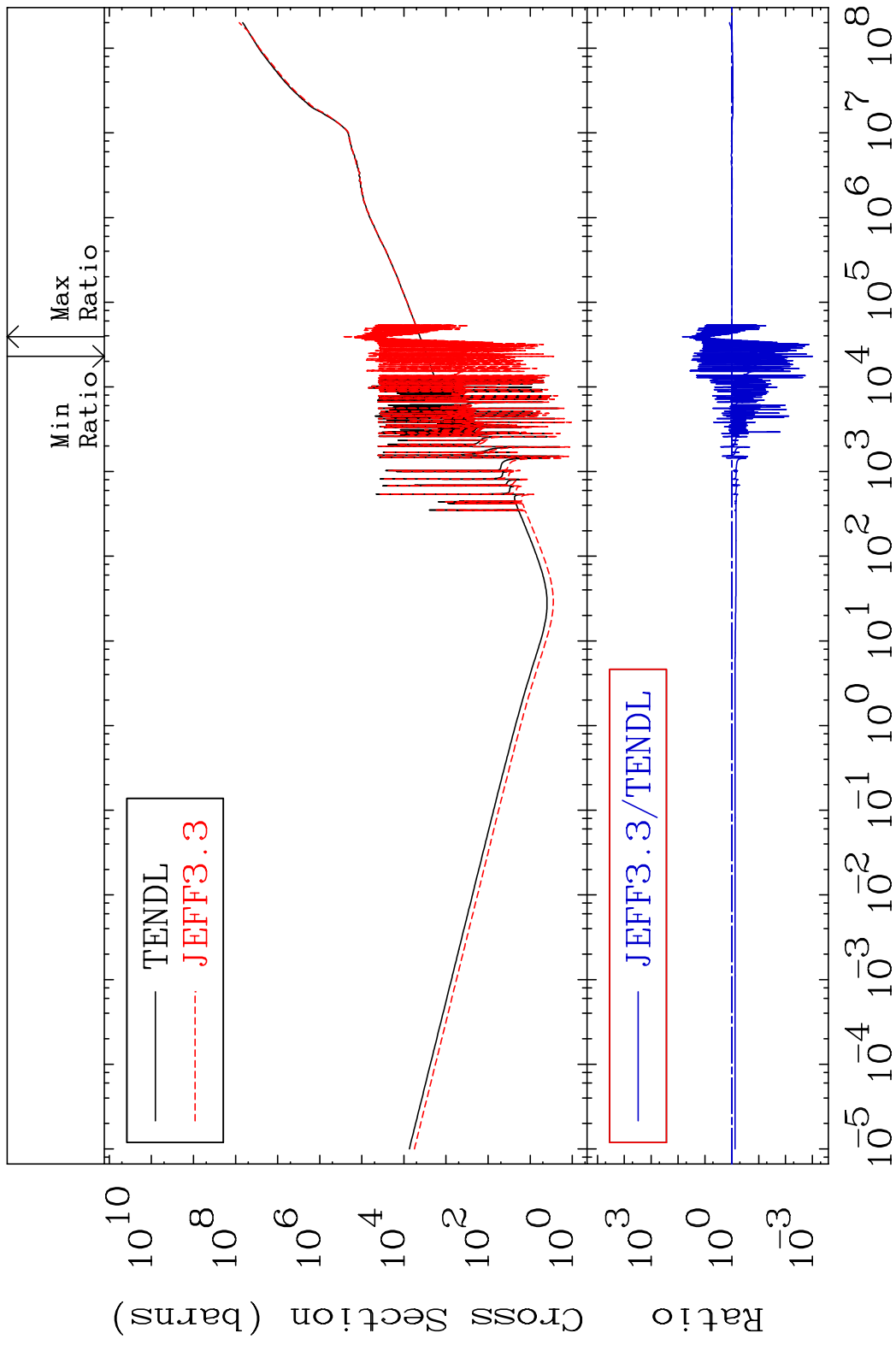


73

Incident Energy (eV)

52-Te-124

MAT 5237 Total kinematic kerma (high limit) 52-Te-124
 Cross Section -99.90 To 6837. %



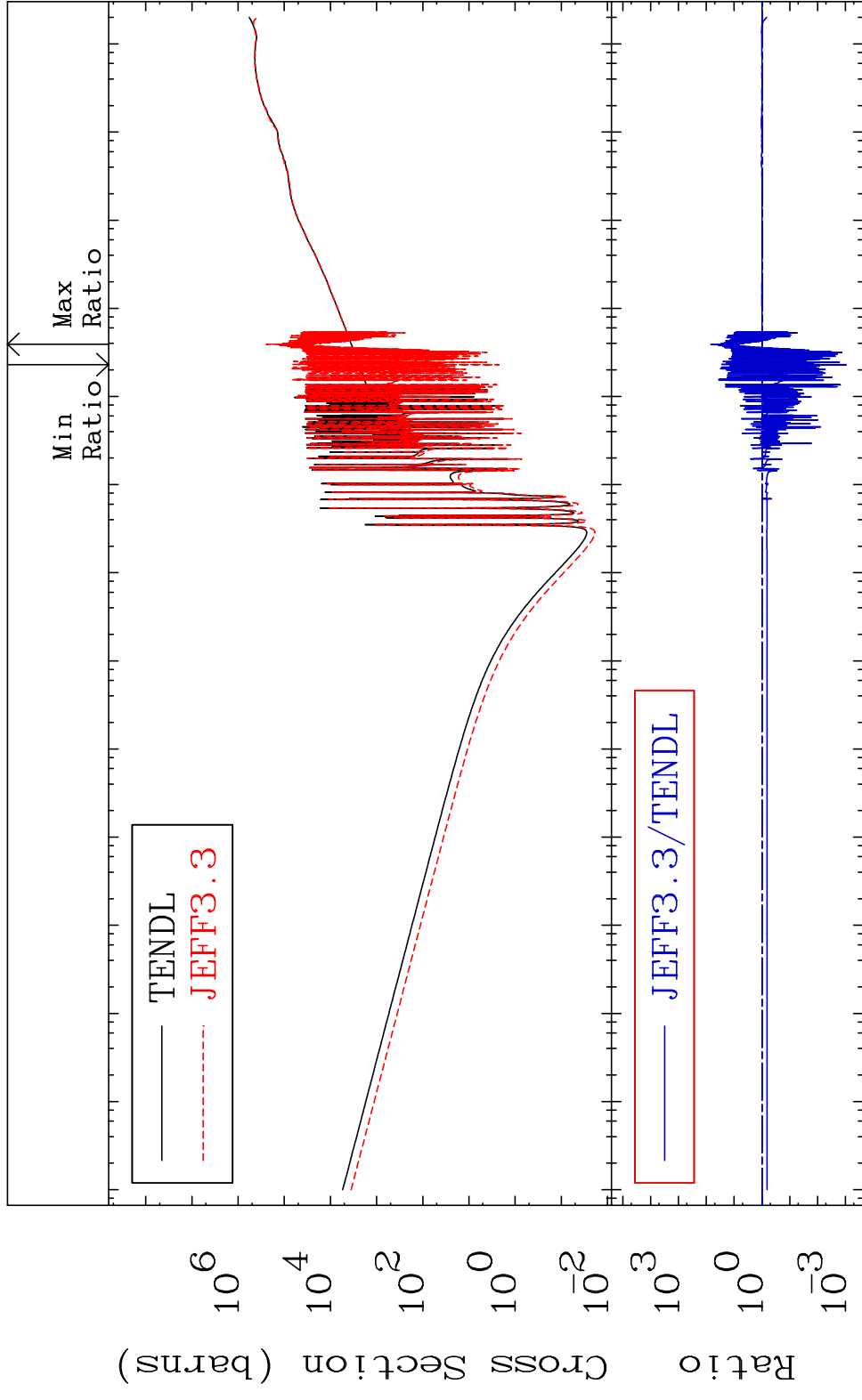
MAT 5237

Dpa total (eV-barns)

52-Te-124

Cross Section

-99.91 To 6837. %



75

Incident Energy (eV)

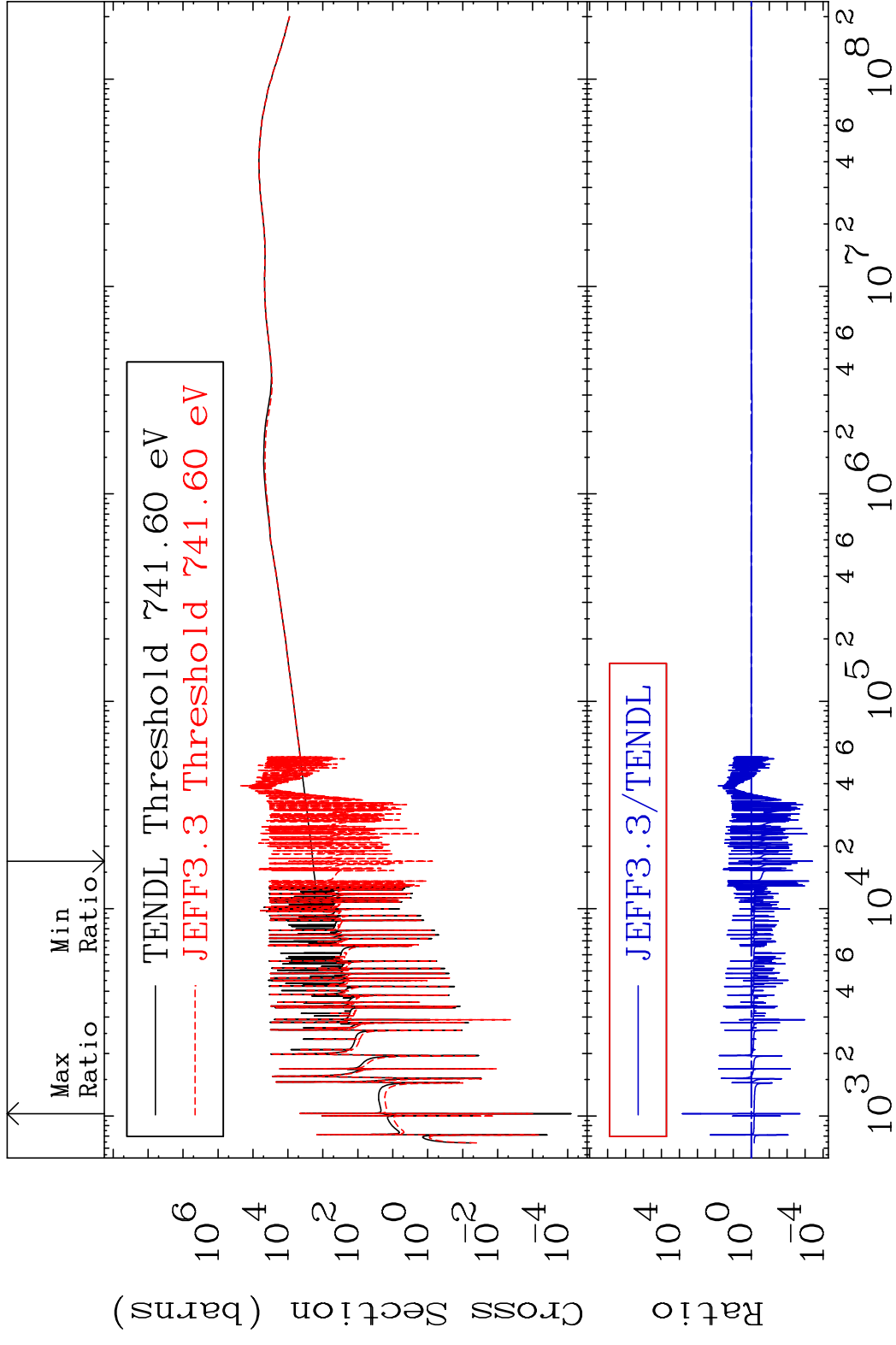
52-Te-124

MAT 5237

Dpa elastic (mt2)

52-Te-124

Cross Section -99.96 To 9999. %

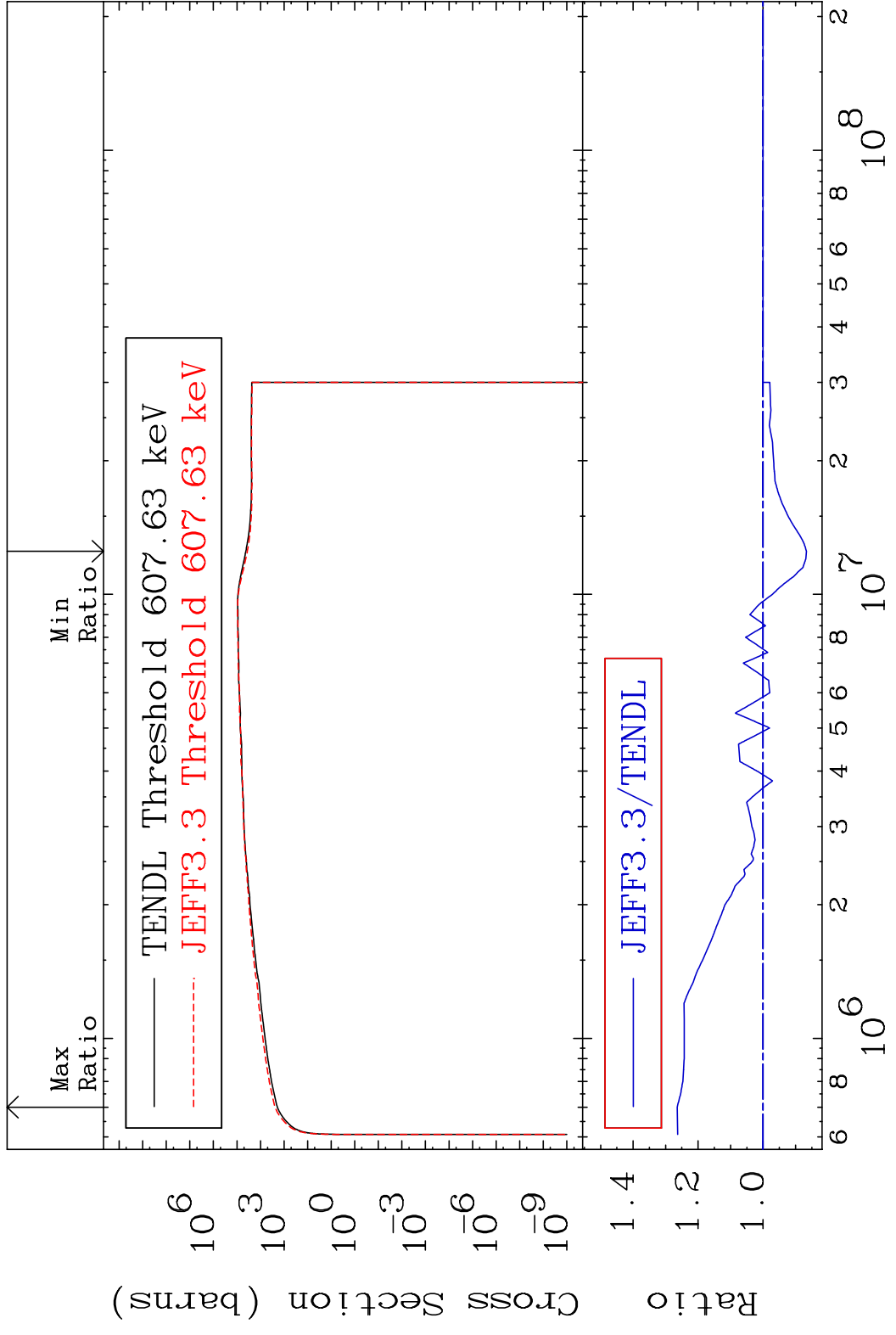


76

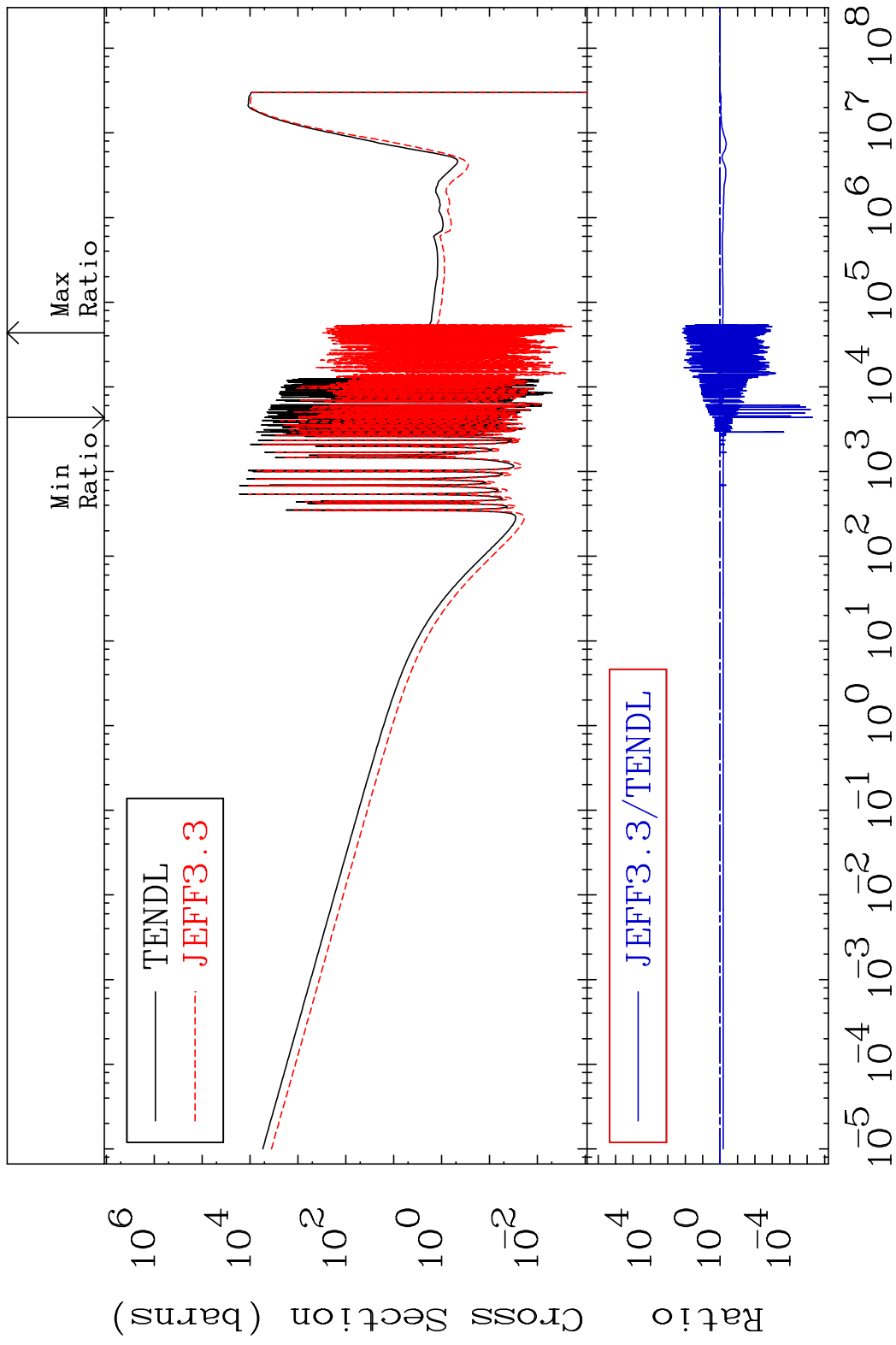
Incident Energy (eV)

52-Te-124

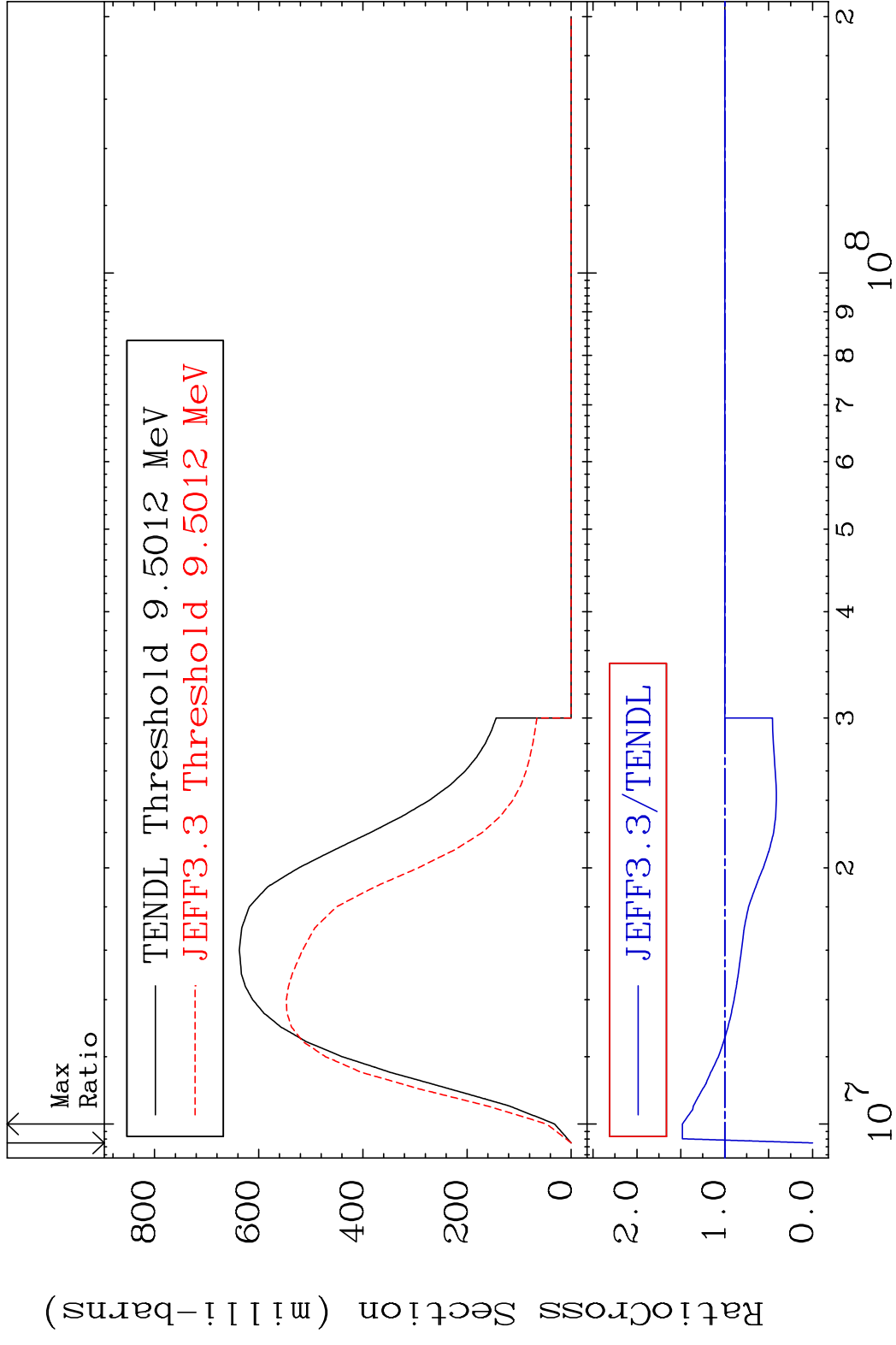
MAT 5237 Dpa inelastic (mt51-91) 52-Te-124
 Cross Section -13.34 To 26.44 %



MAT 5237 Dpa disappearance (mt102 -120) 52-Te-124
 Cross Section -100.0 To 9999. %

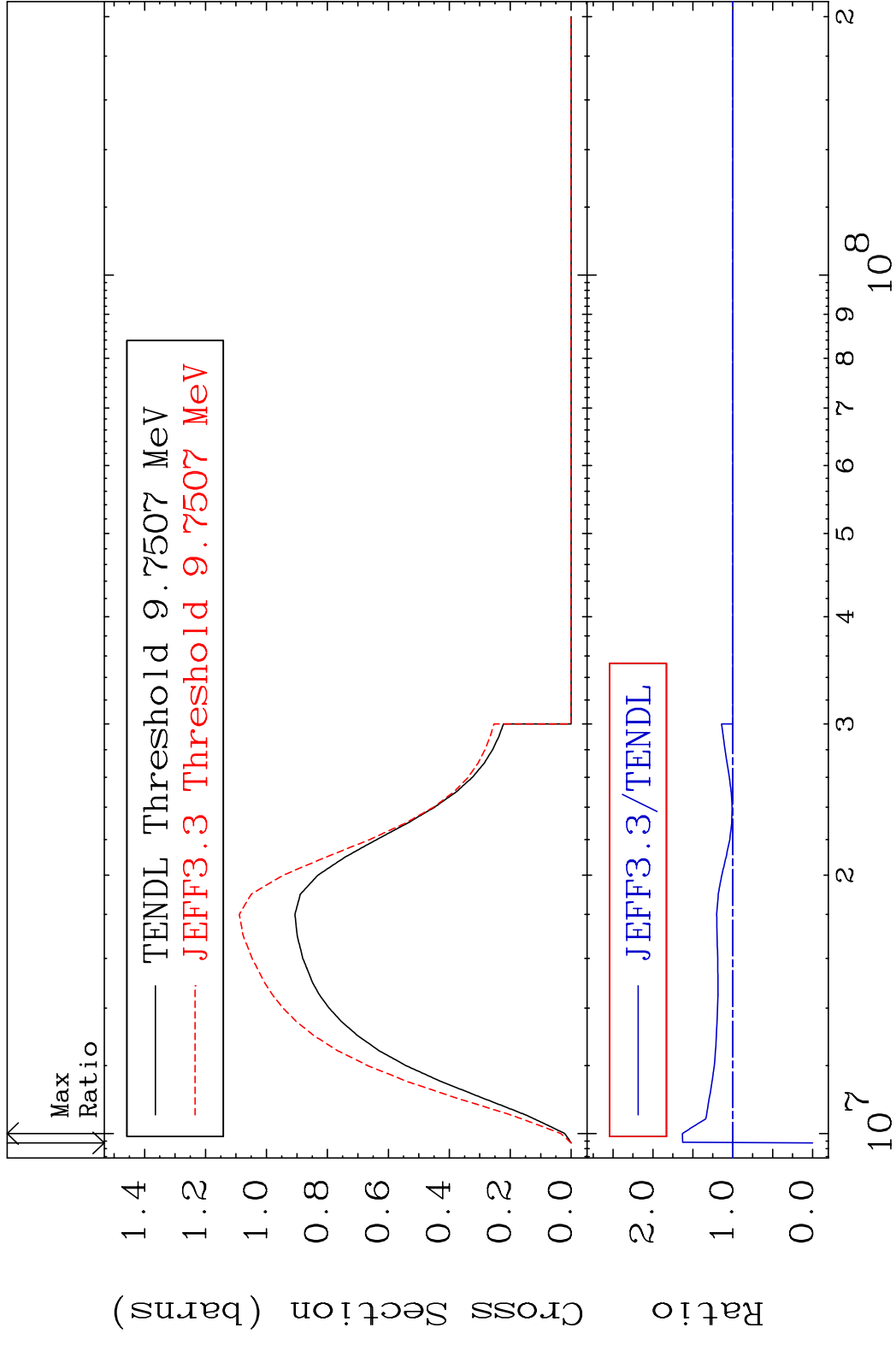


MAT 5237 (n,2n):52-Te-123g 52-Te-124
 Radionuclide Production Cross Section 180.01 dth 48.28 %

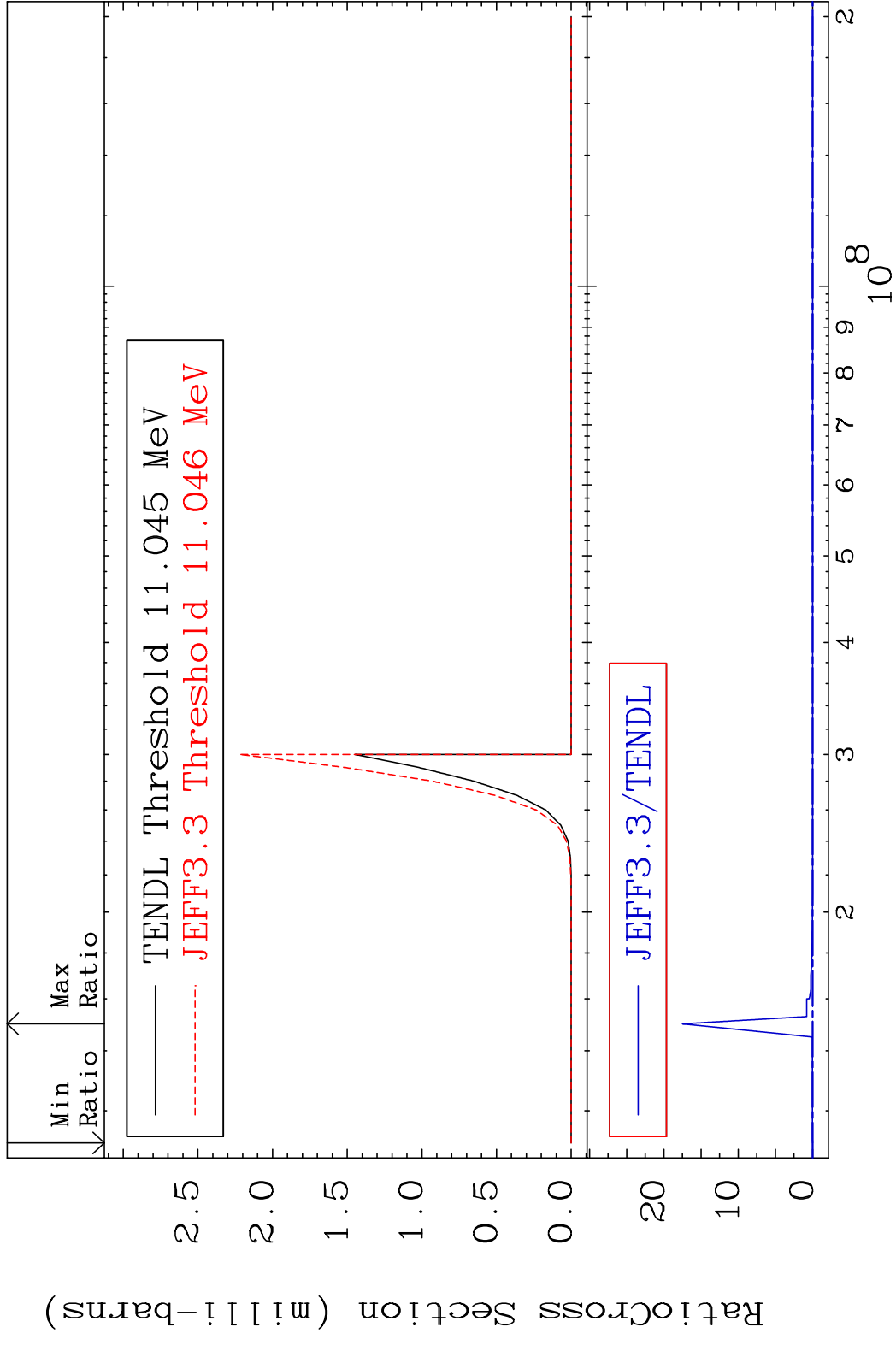


79 Incident Energy (eV) 52-Te-124

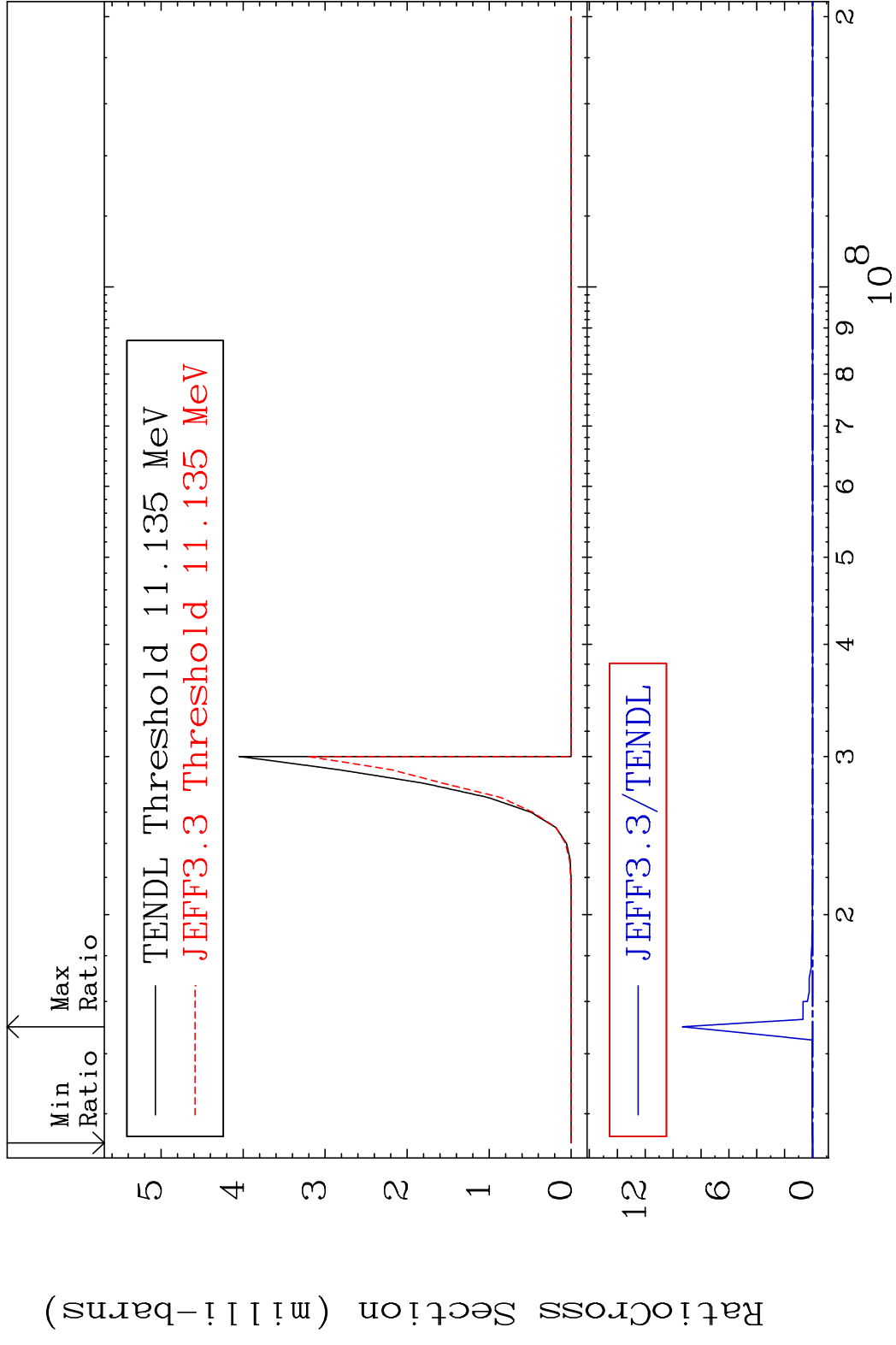
MAT 5237 (n,2n):52-Te-123m2 52-Te-124
 Radionuclide Production Cross Section 180.01 dth 63.16 %



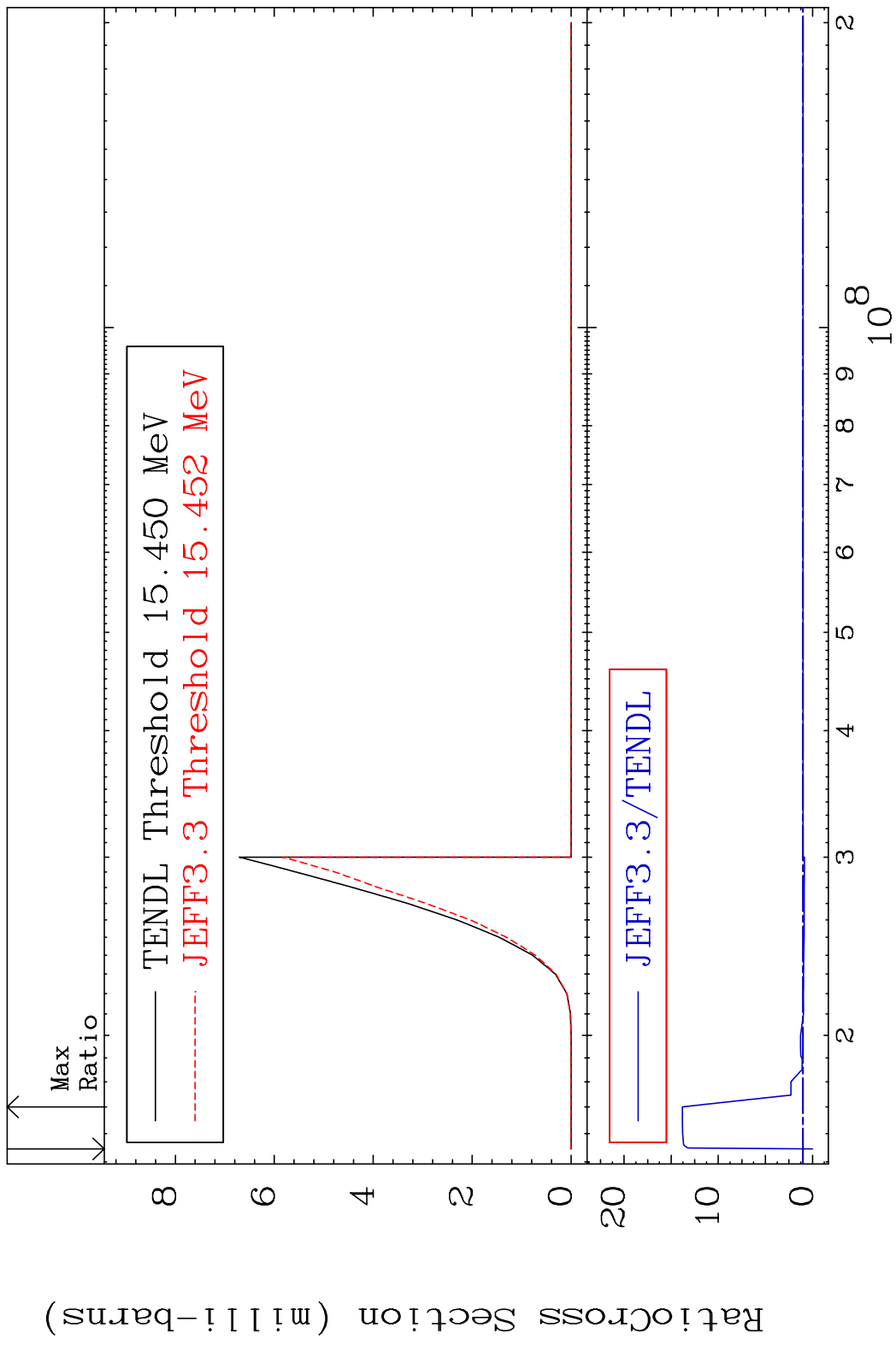
80 Incident Energy (eV) 52-Te-124



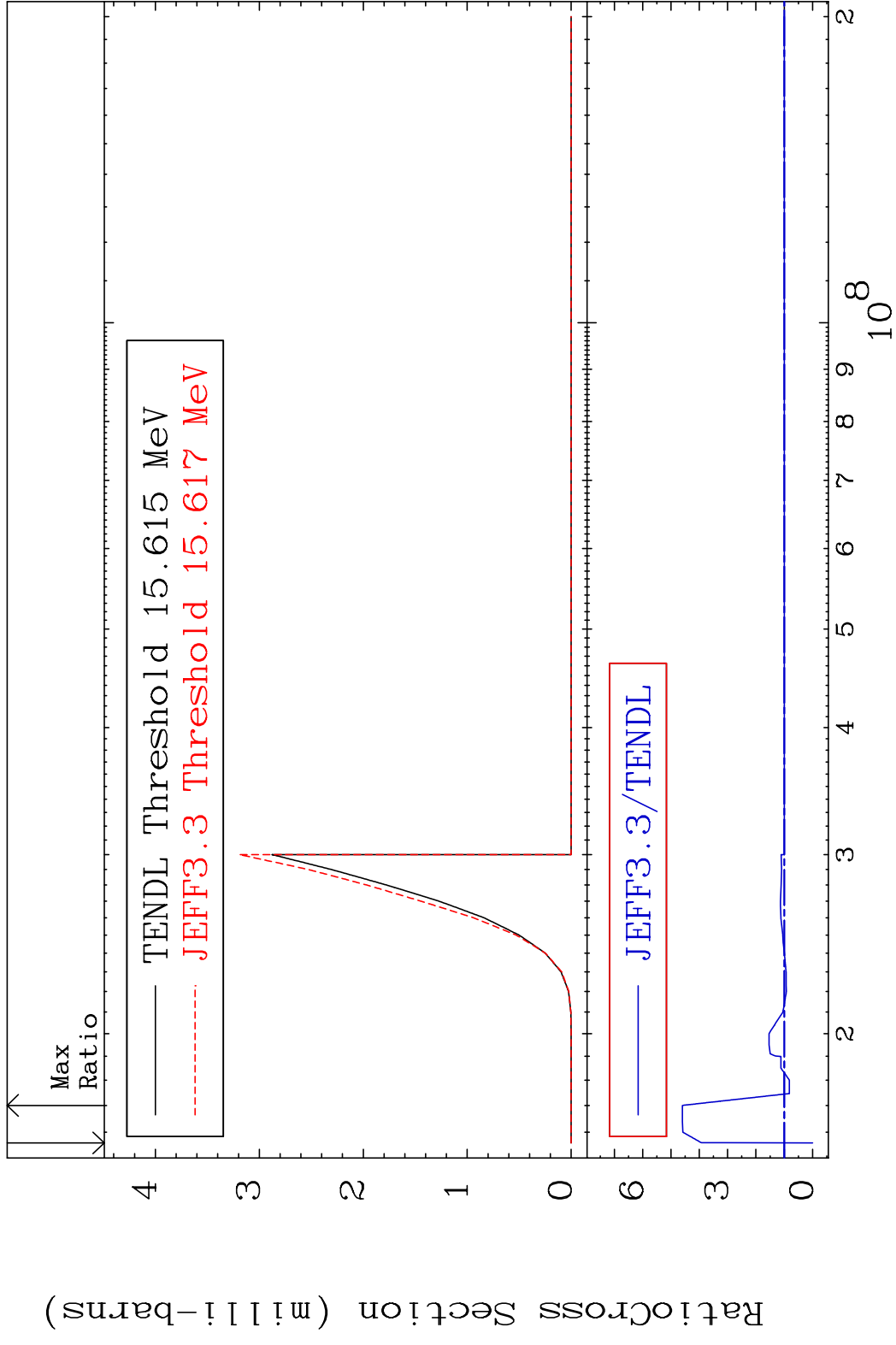
MAT 5237 (n,2n) α :50-Sn-119m2 52-Te-124
 Radionuclide Production Cross Section 100.00 dth 9999. %



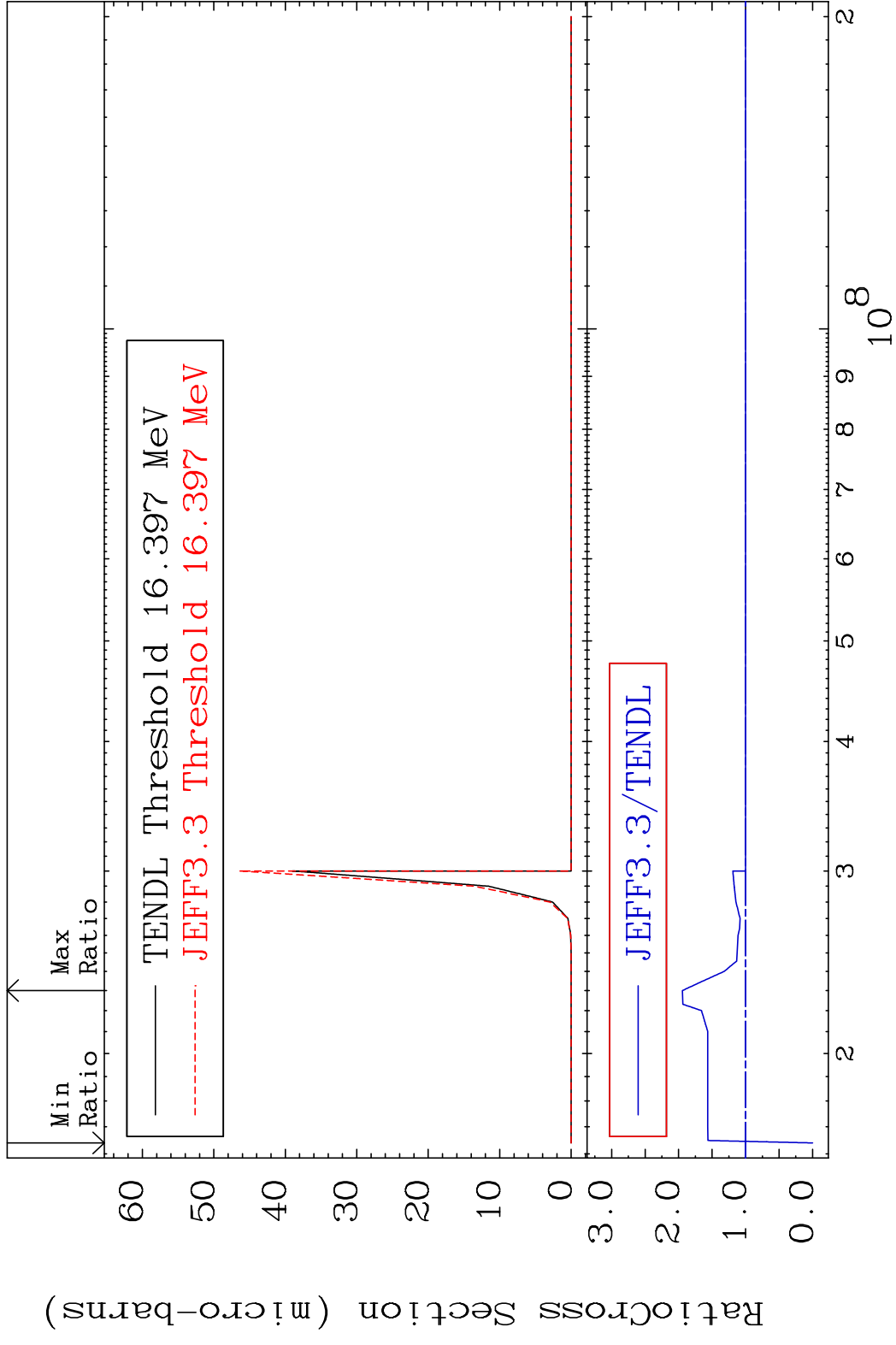
MAT 5237 (n, n') d:51-Sb-122g 52-Te-124
 Radionuclide Production Cross Section 180.01 d to 1281. %



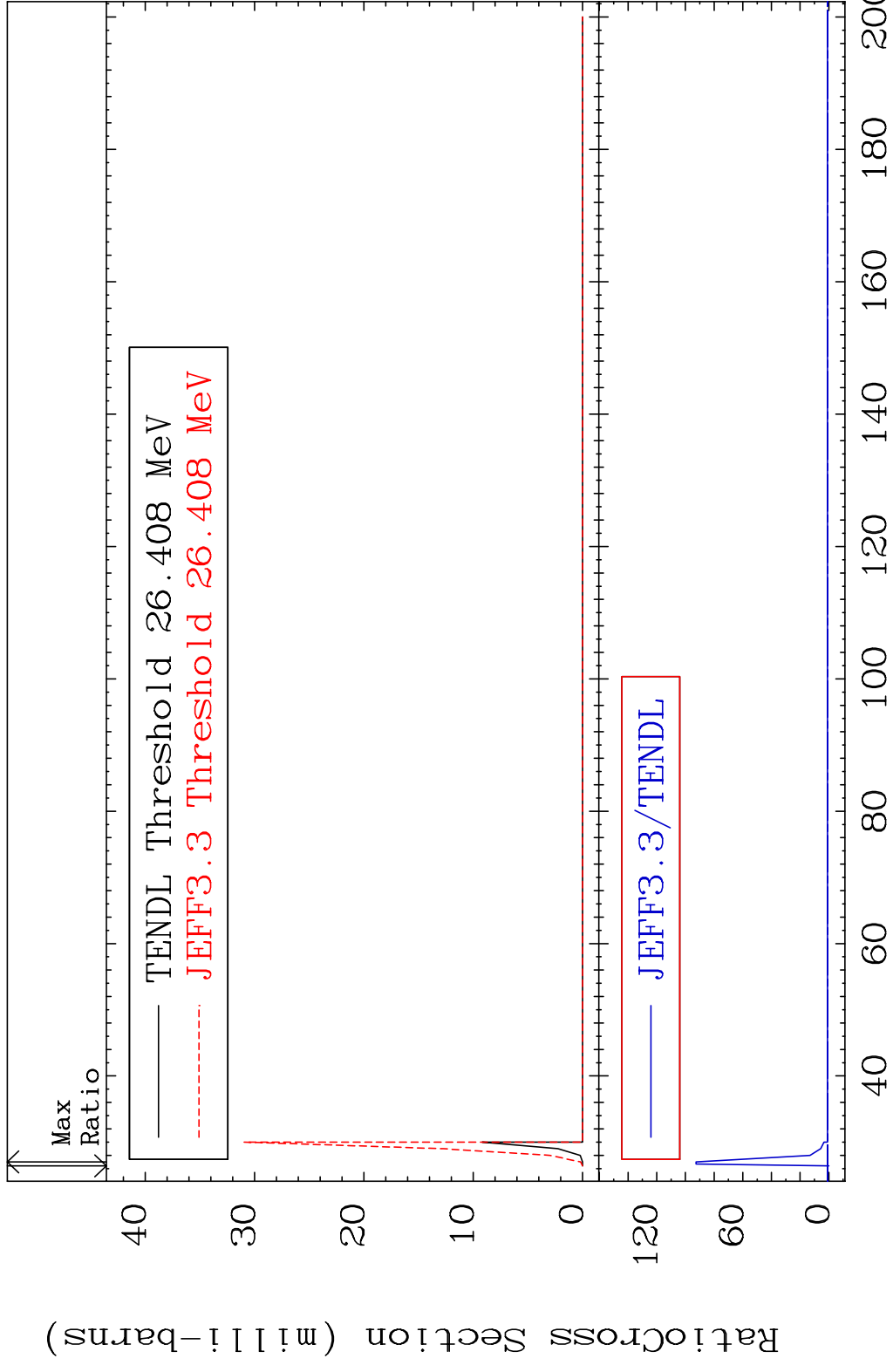
MAT 5237 (n, n') d:51-Sb-122m5 52-Te-124
 Radionuclide Production Cross Section Ratio 359.9 %



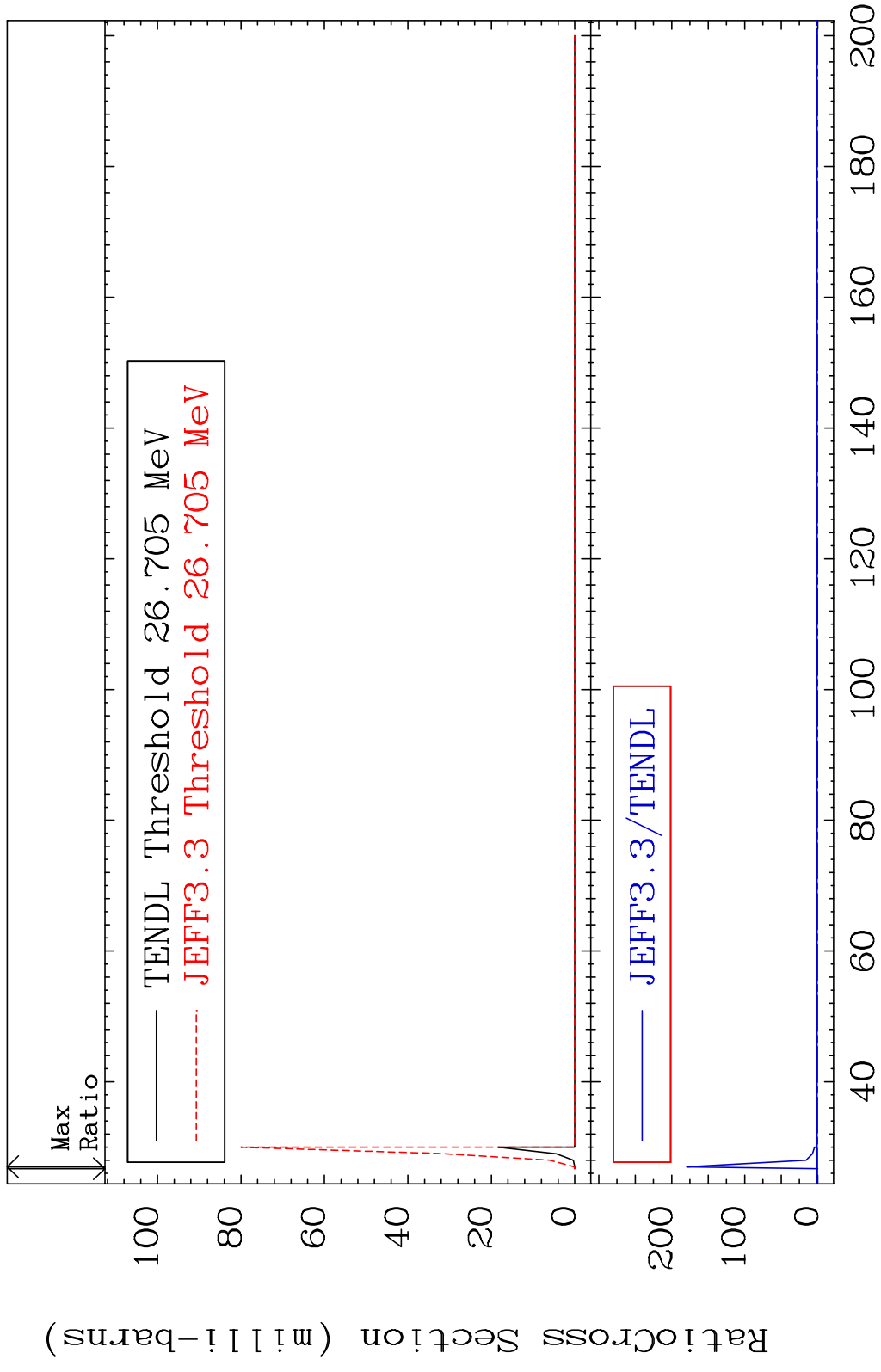
MAT 5237 (n, n') He-3:50-Sn-121m1 52-Te-124
 Radionuclide Production Cross Section 100.00 %
 94.41 %



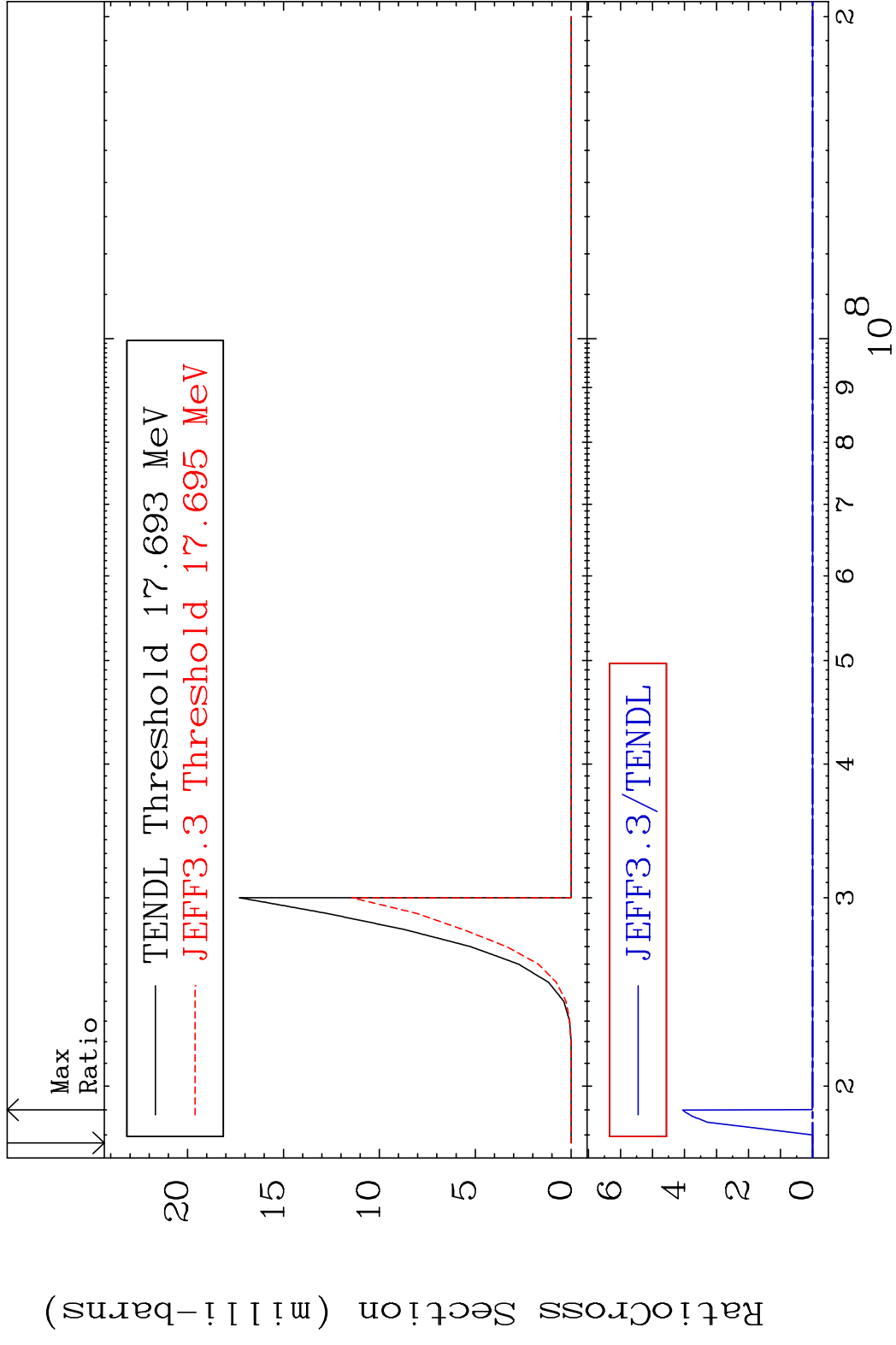
MAT 5237 (n,4n):52-Te-121g 52-Te-124
 Radionuclide Production Cross Section Ratio 9160. %



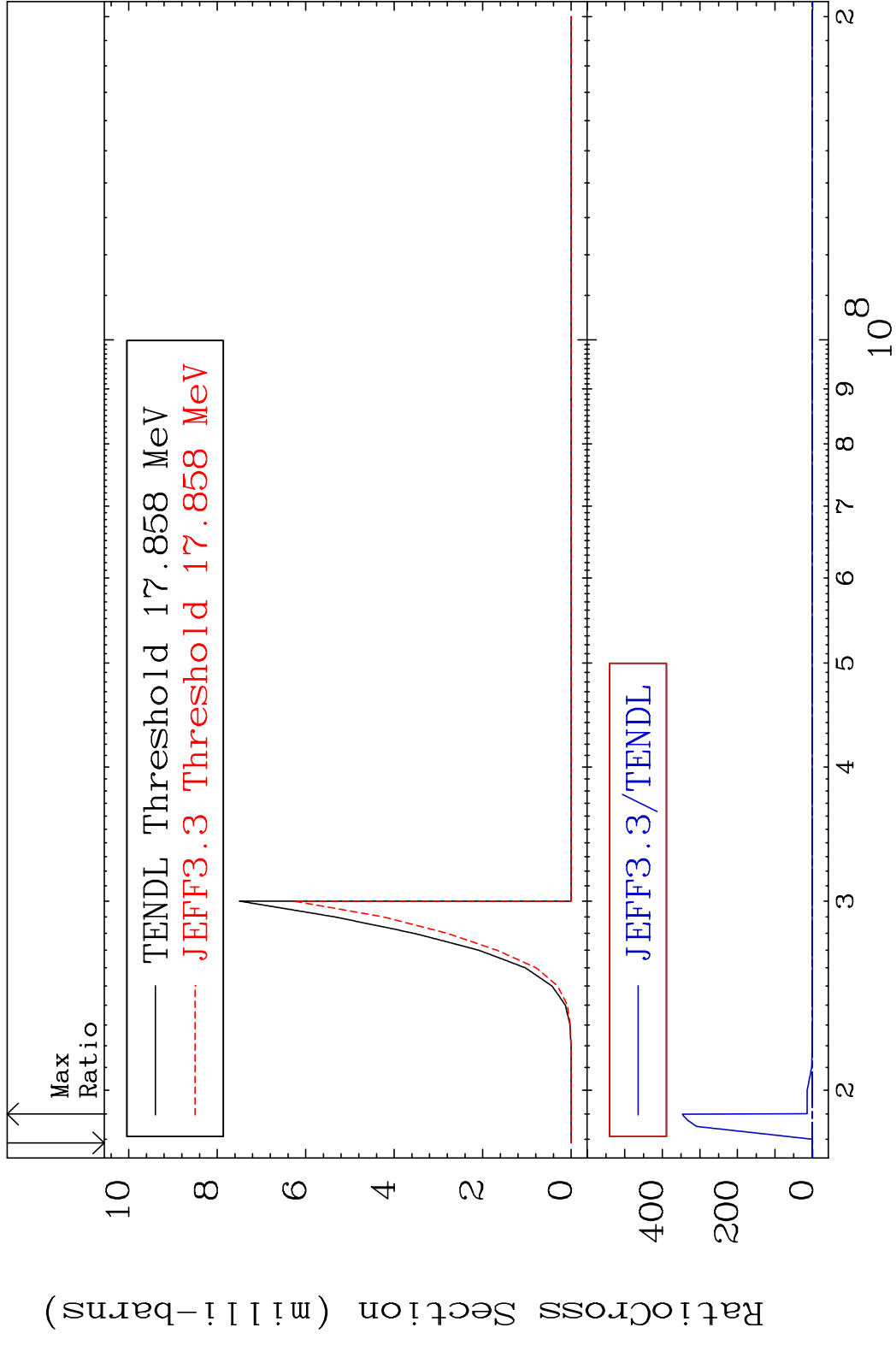
MAT 5237 (n, 4n):52-Te-121m2 52-Te-124
 Radionuclide Production Cross Section 1800.0 dth 9999. %

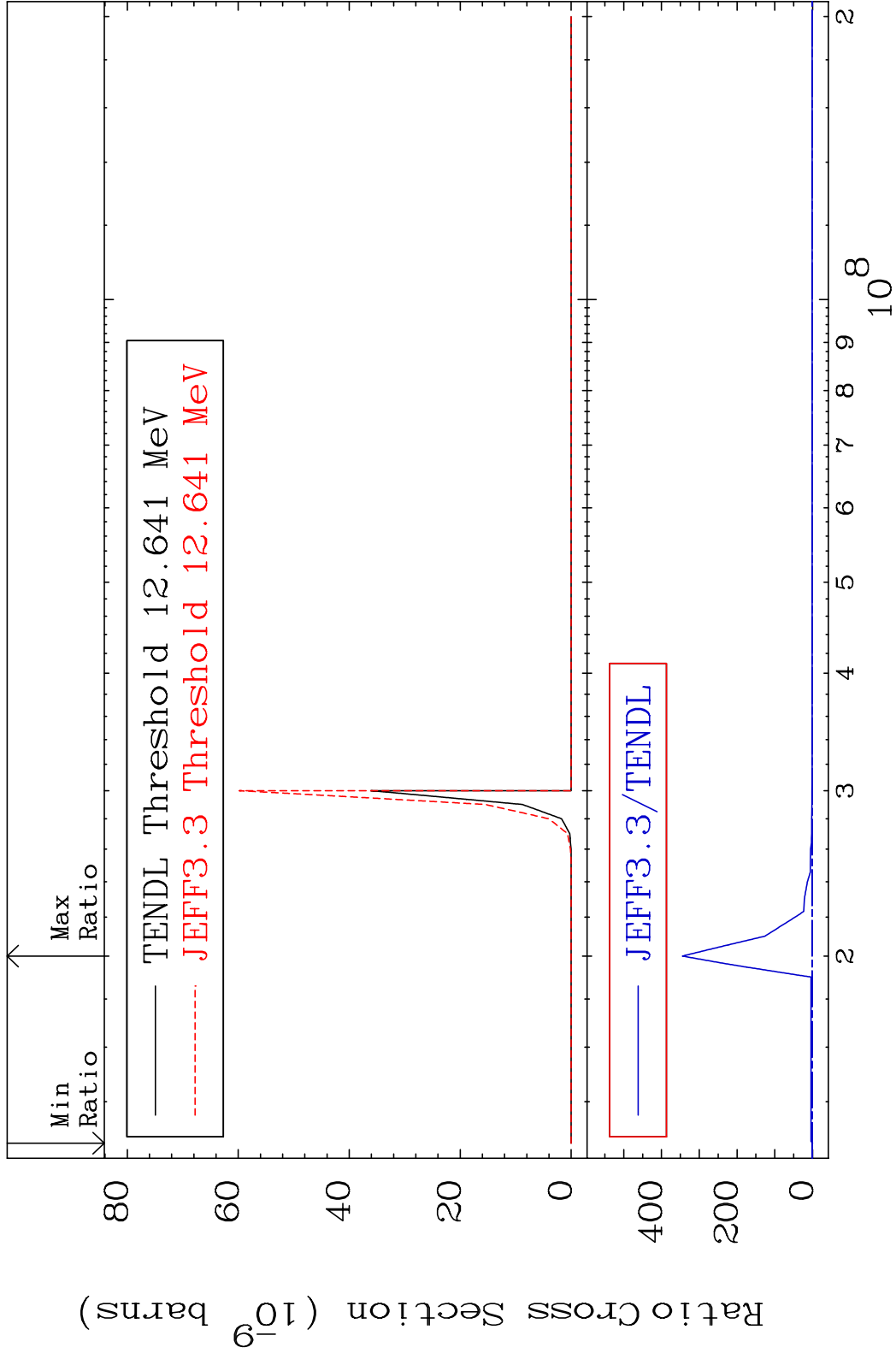


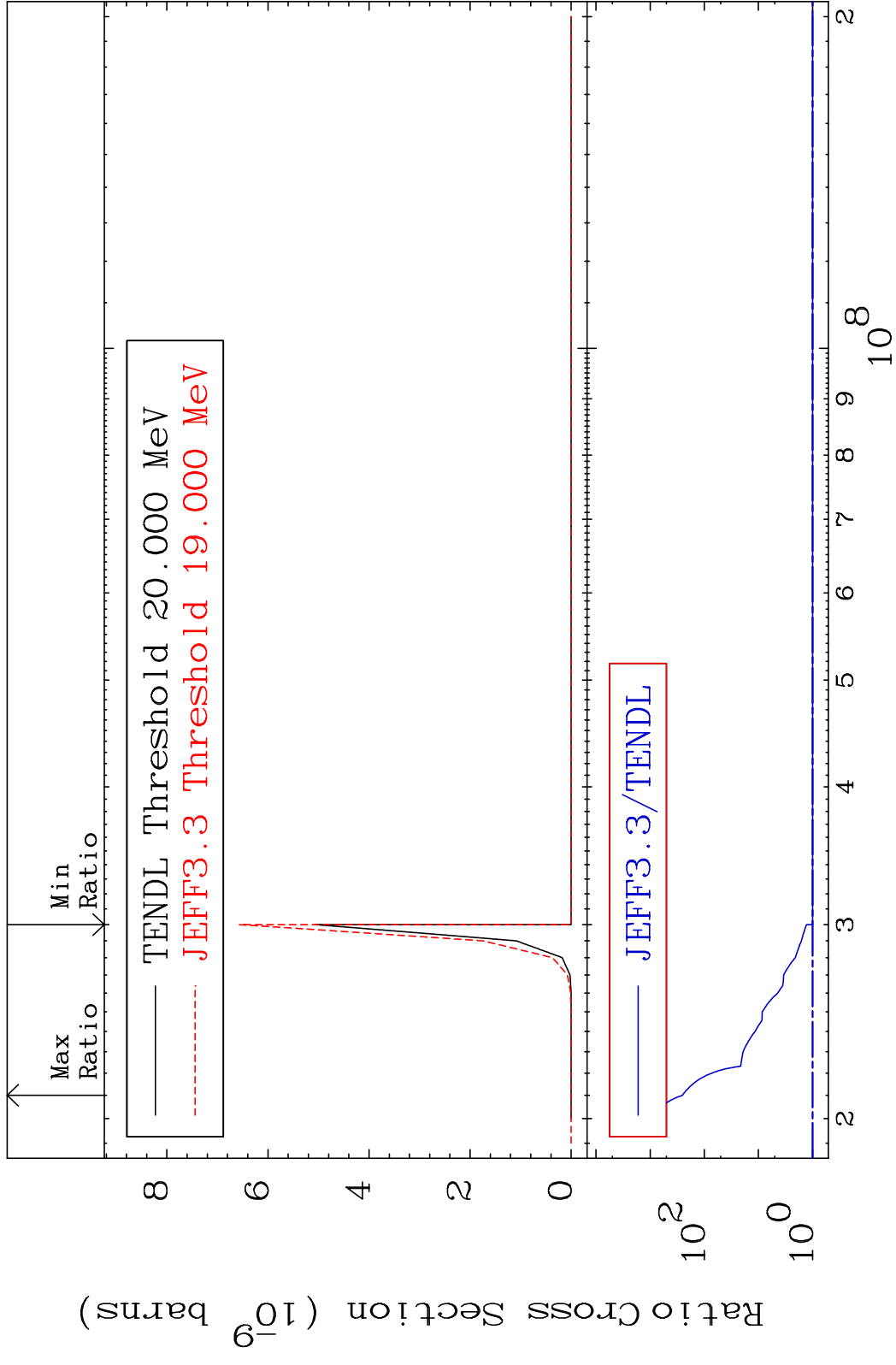
MAT 5237 (n,2n) p:51-Sb-122g 52-Te-124
 Radionuclide Production Cross Section Ratio 9999. %

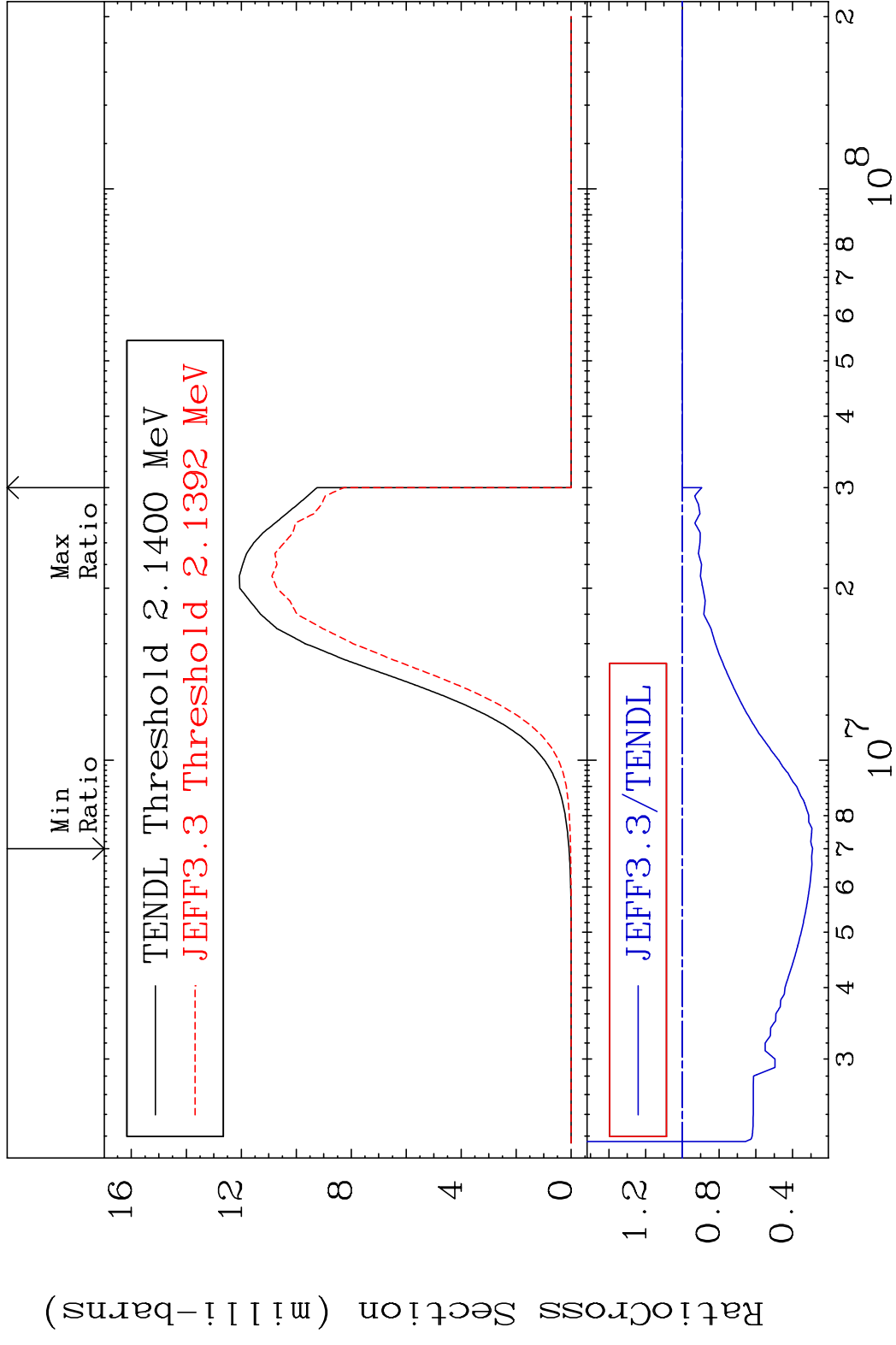


MAT 5237 (n,2n) p:51-Sb-122m5 52-Te-124
 Radionuclide Production Cross Section 1800.0 dth 9999. %

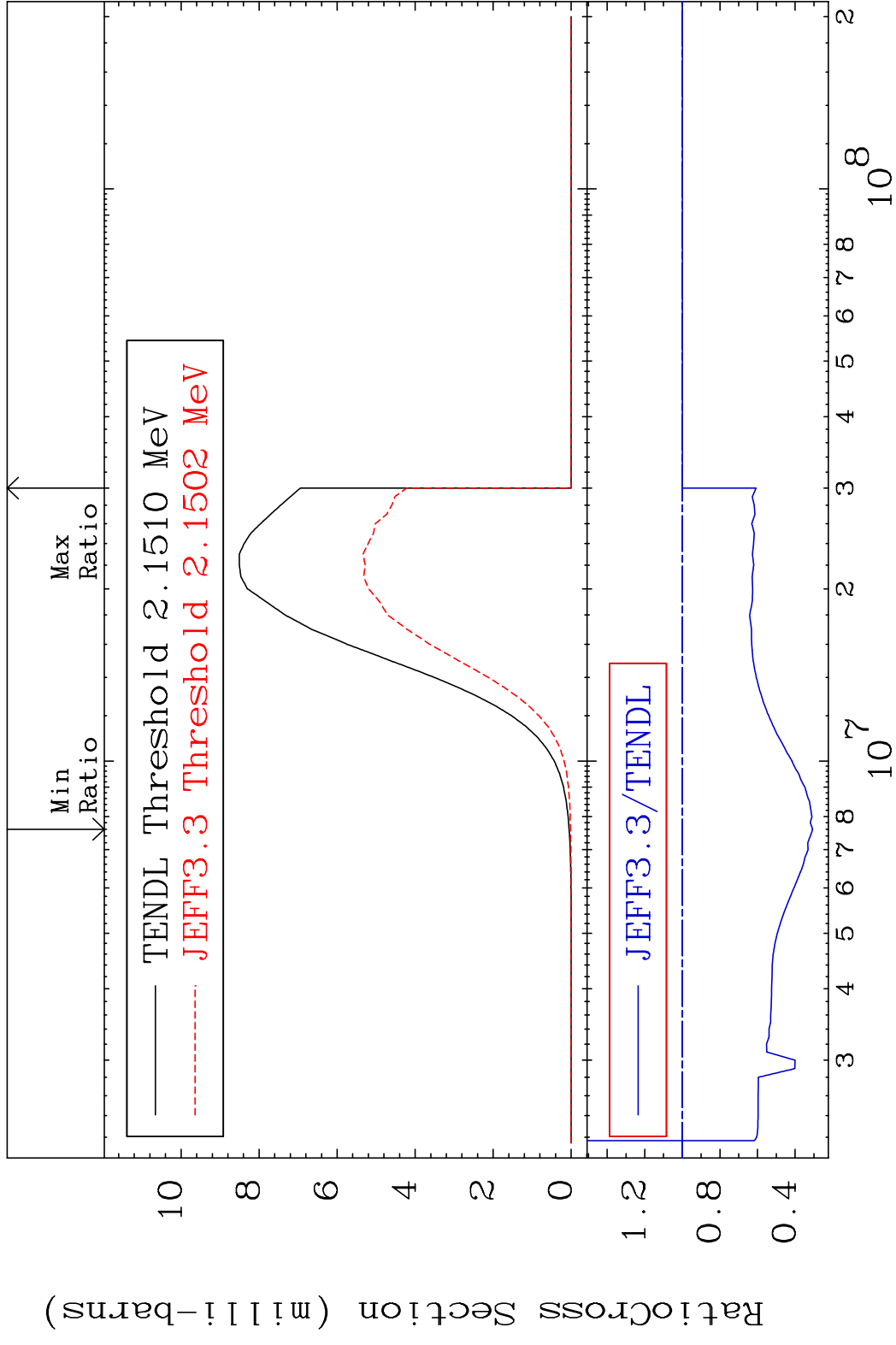




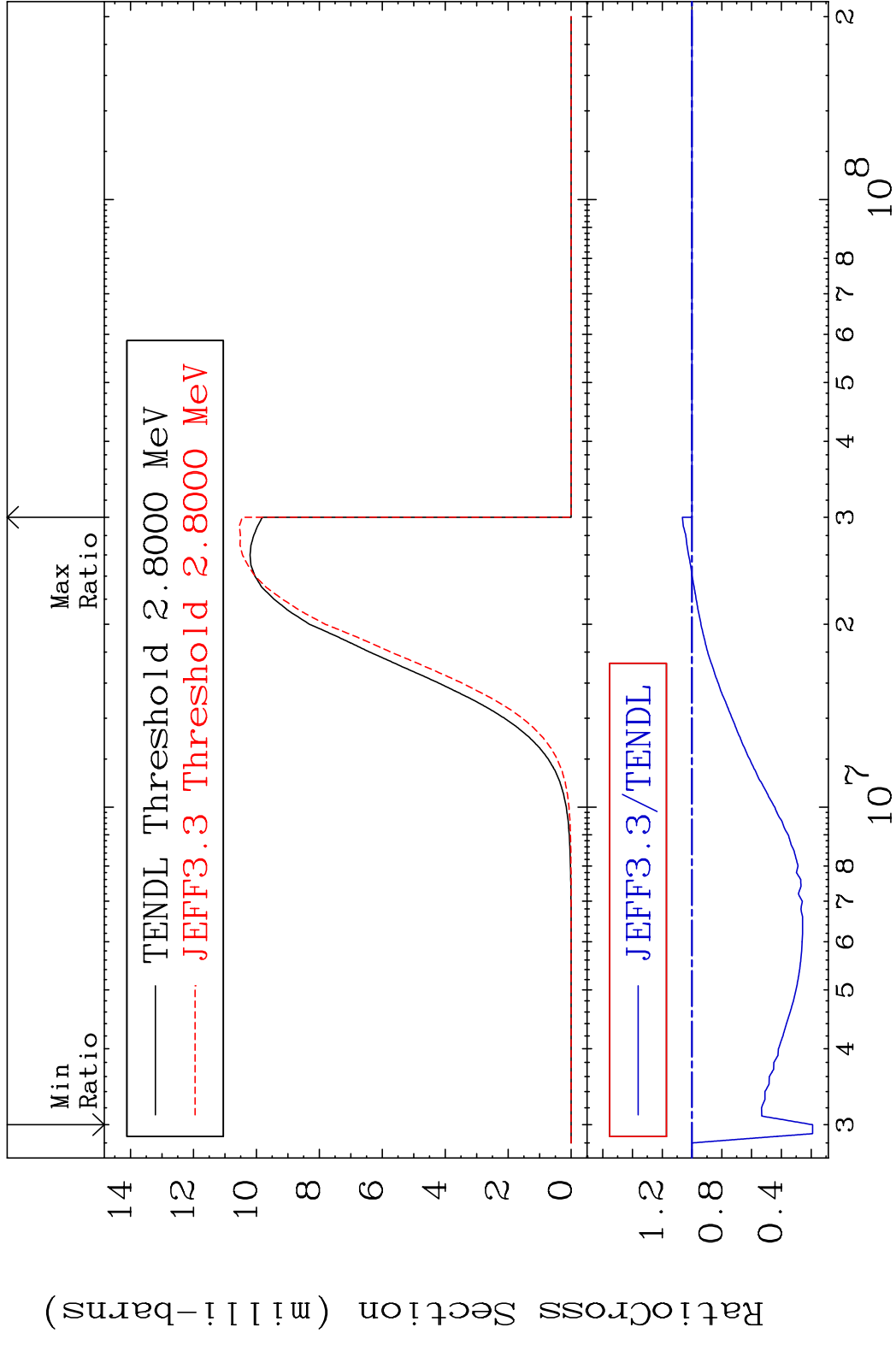




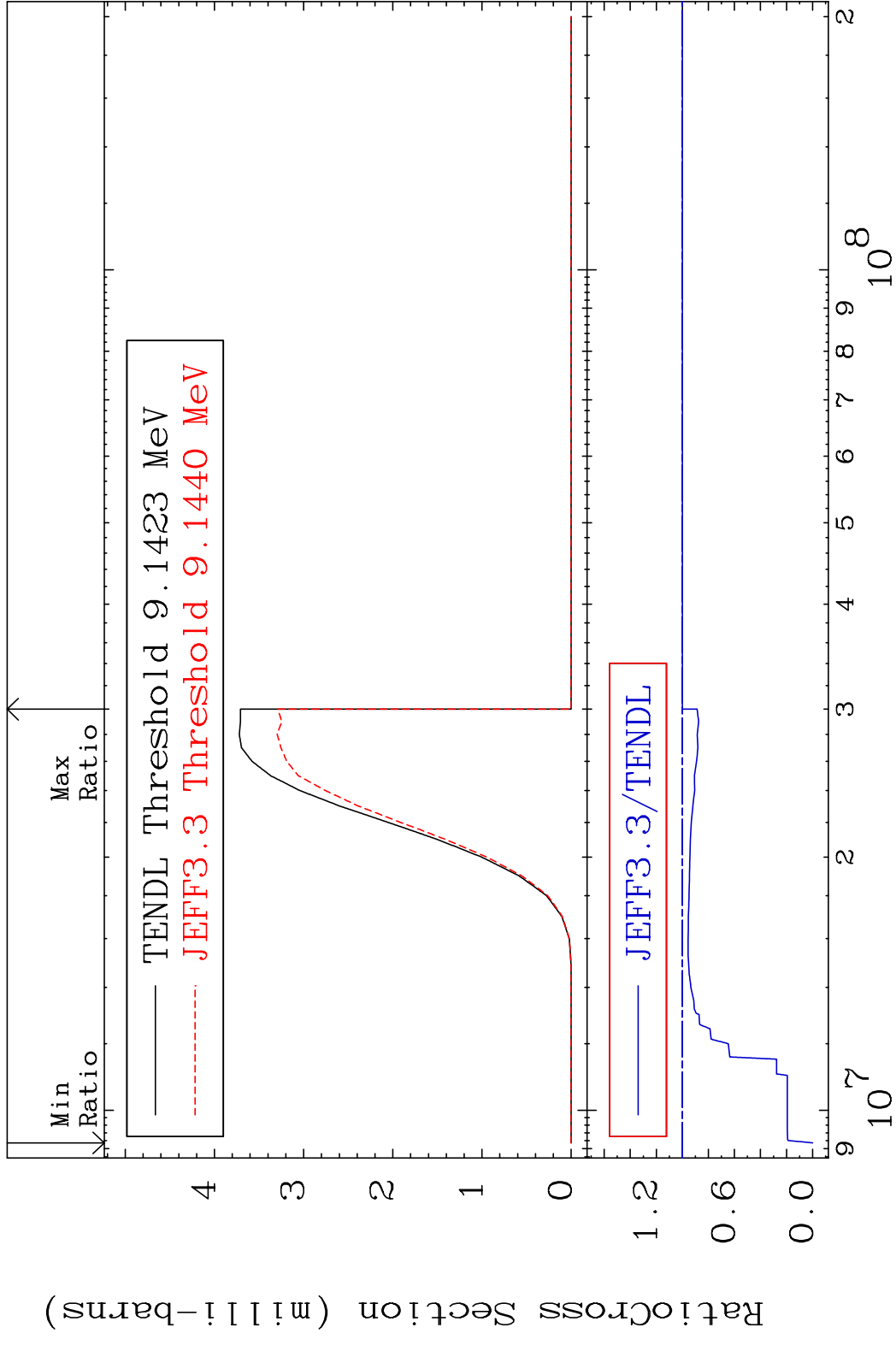
MAT 5237 (n, p):51-Sb-124m1 52-Te-124
 Radionuclide Production Cross Section 0.000 %



MAT 5237 (n, p):51-Sb-124m2 52-Te-124
 Radionuclide Production Cross Section 6.496 %

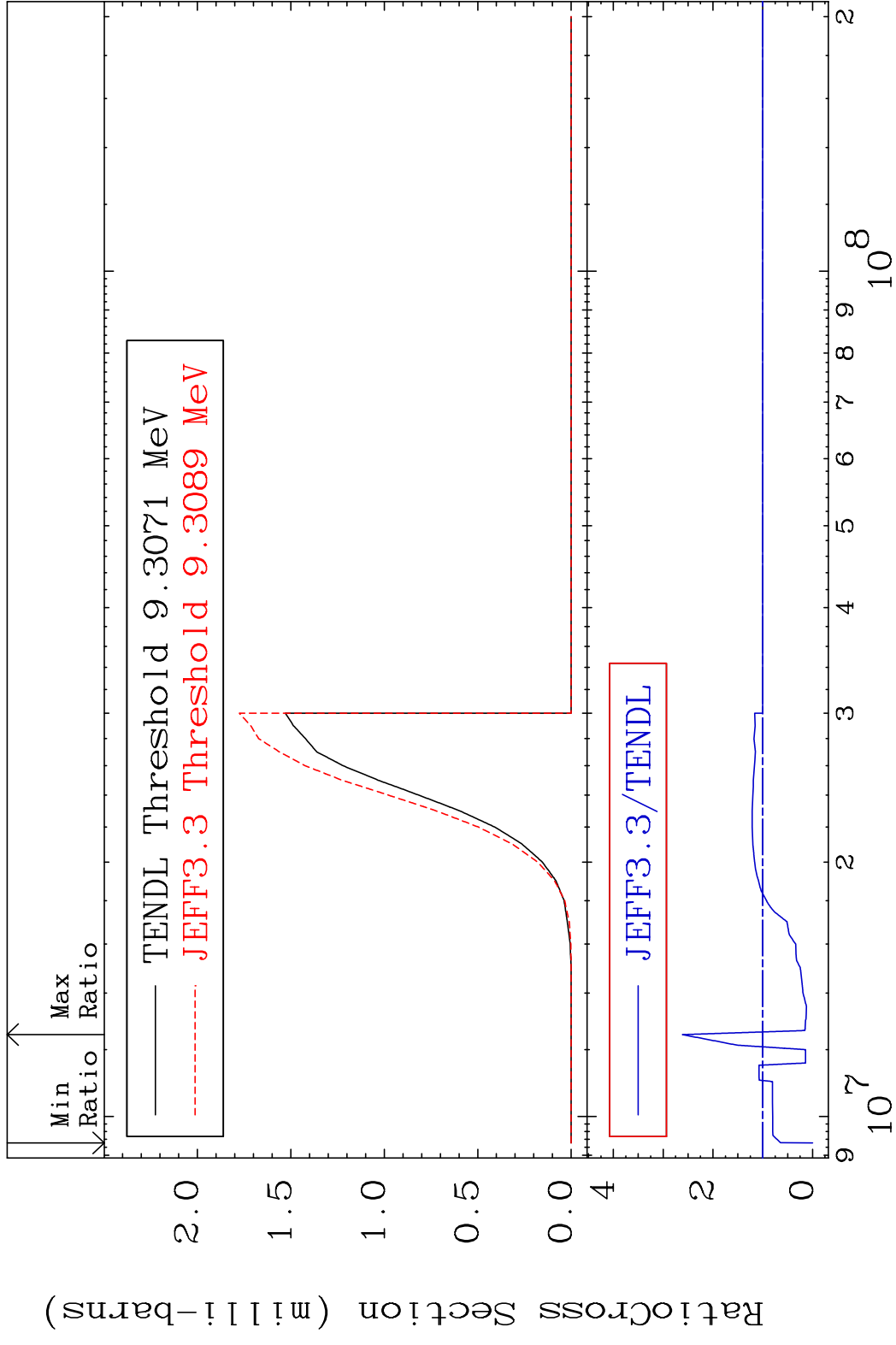


MAT 5237 (n, t):51-Sb-122g 52-Te-124
 Radionuclide Production Cross Section 0.000 %



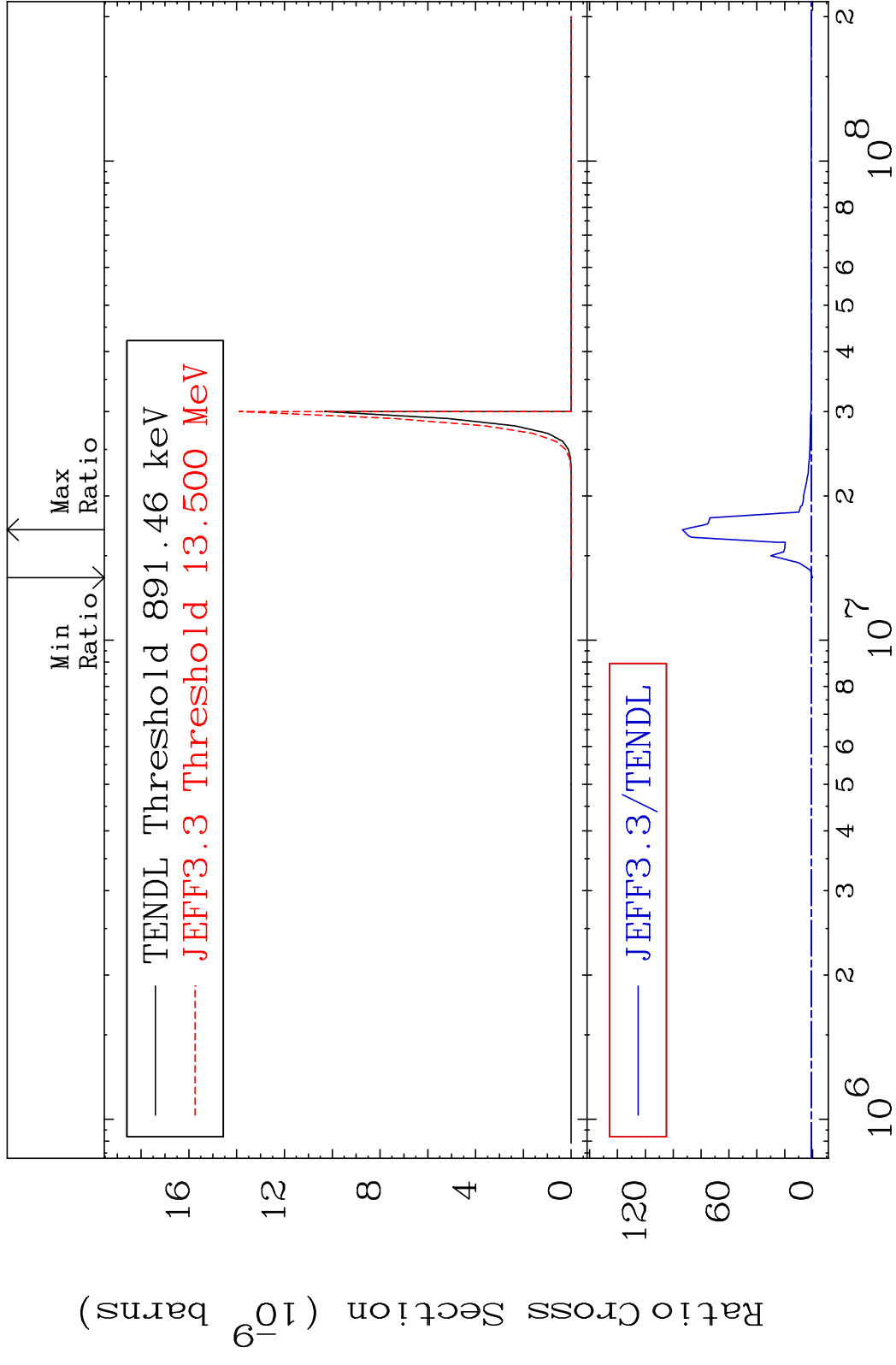
96 52-Te-124

MAT 5237 (n, t):51-Sb-122m5 52-Te-124
 Radionuclide Production Cross Section 180.01 dth 161.4 %



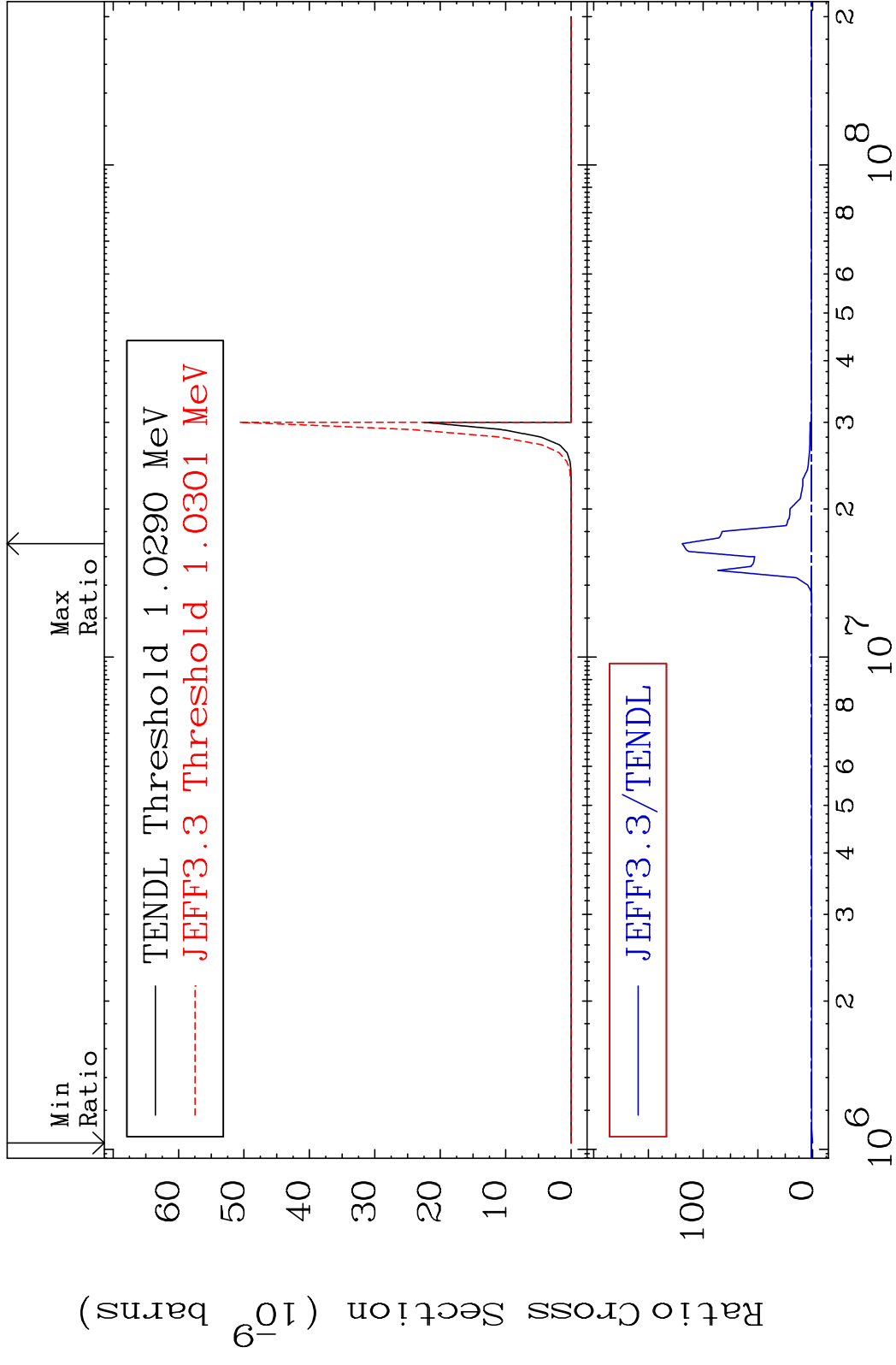
97 Incident Energy (eV) 52-Te-124

MAT 5237 (n,2α):48-Cd-117g 52-Te-124
 Radionuclide Production Cross Section 18000 dth 9245. %



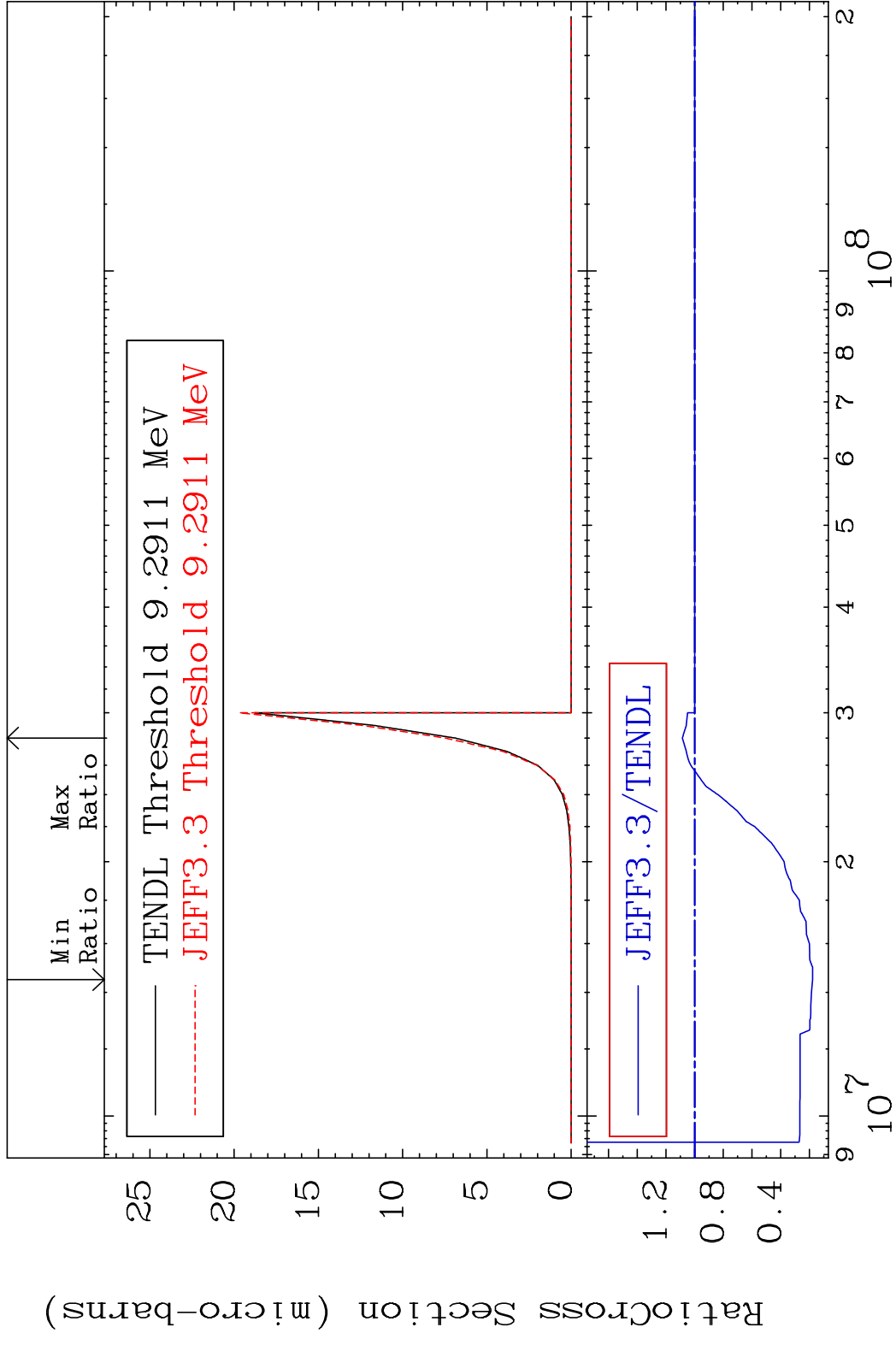
98 Incident Energy (eV) 52-Te-124

MAT 5237 (n, 2α) : 48-Cd-117m2 52-Te-124
 Radionuclide Production Cross Section Ratio 9999. %



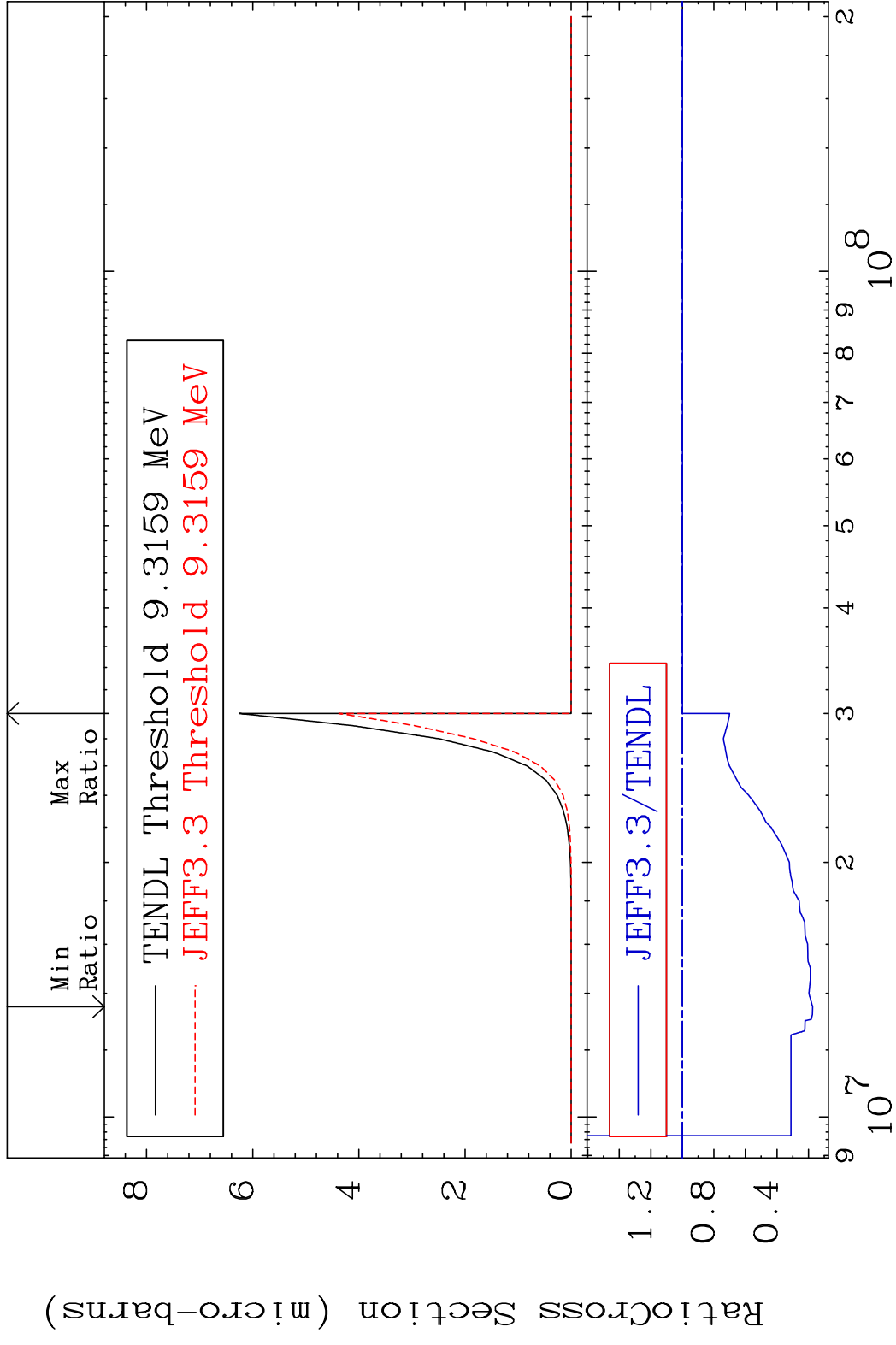
99 Incident Energy (eV) 52-Te-124

MAT 5237 (n,2p):50-Sn-123g 52-Te-124
 Radionuclide Production Cross Section 82.241 dth 8.559 %



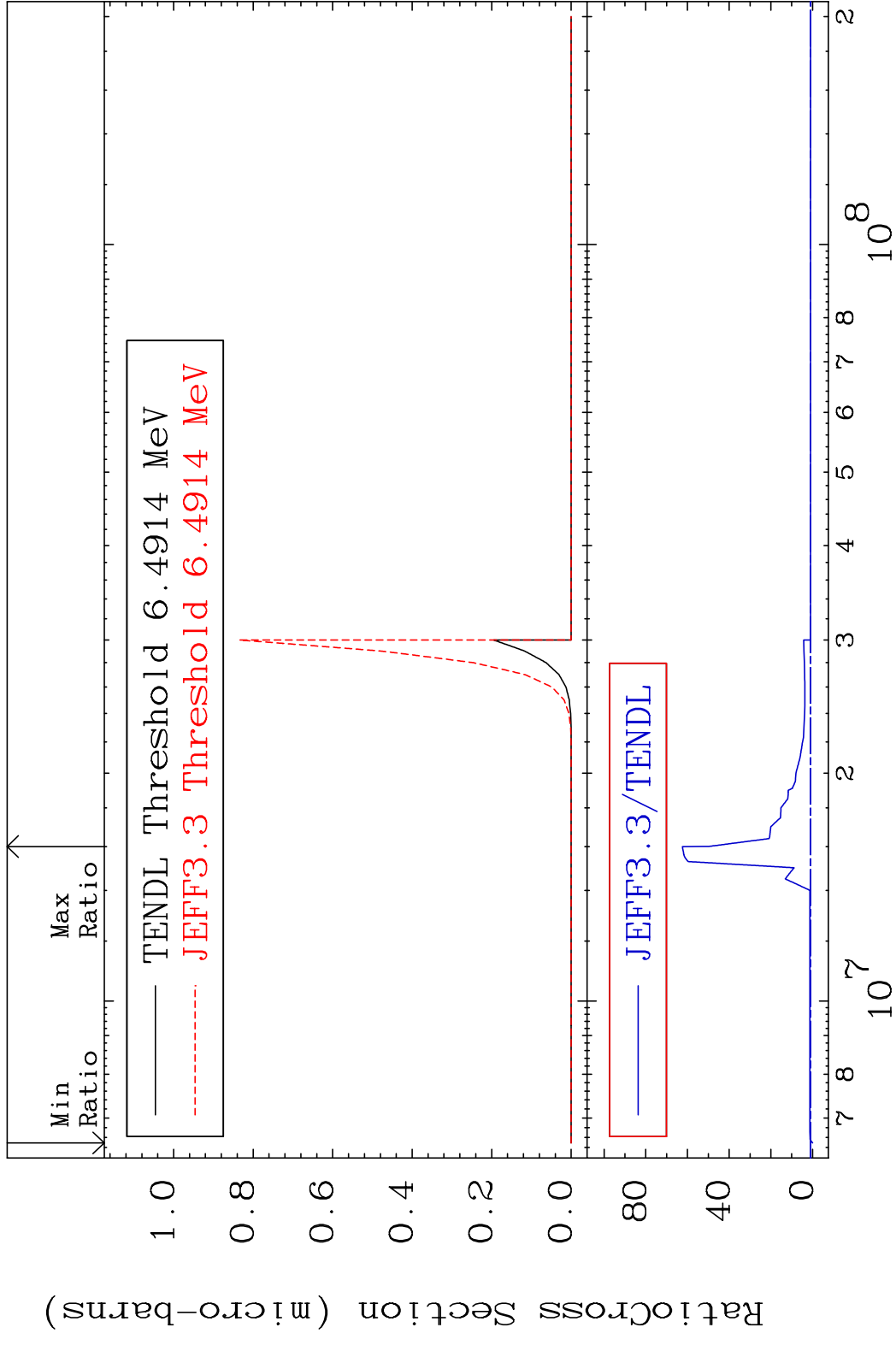
100 1000 52-Te-124

MAT 5237 (n, 2p):50-Sn-123m1 52-Te-124
 Radionuclide Production Cross Section 0.000 %

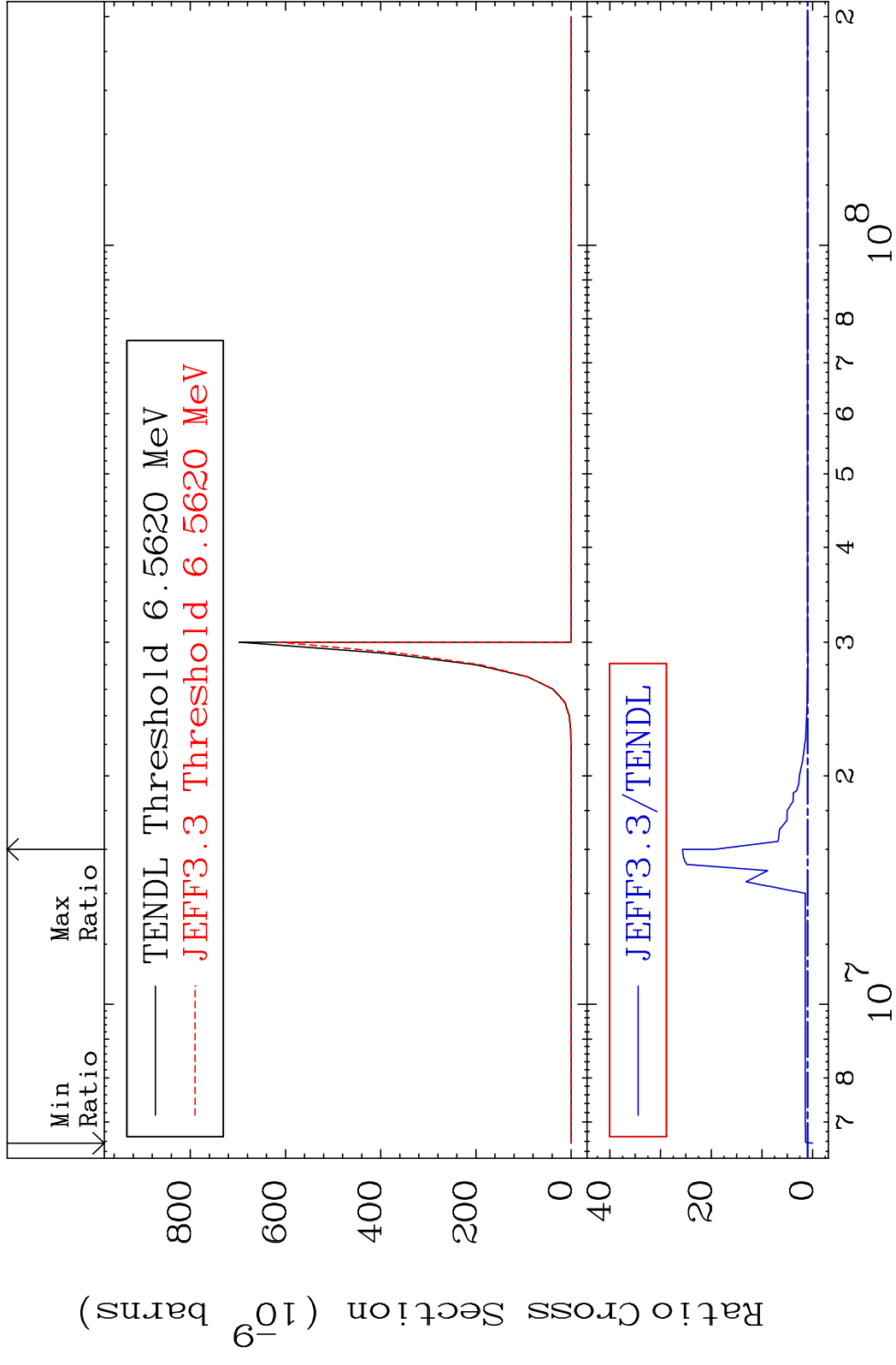


101 52-Te-124

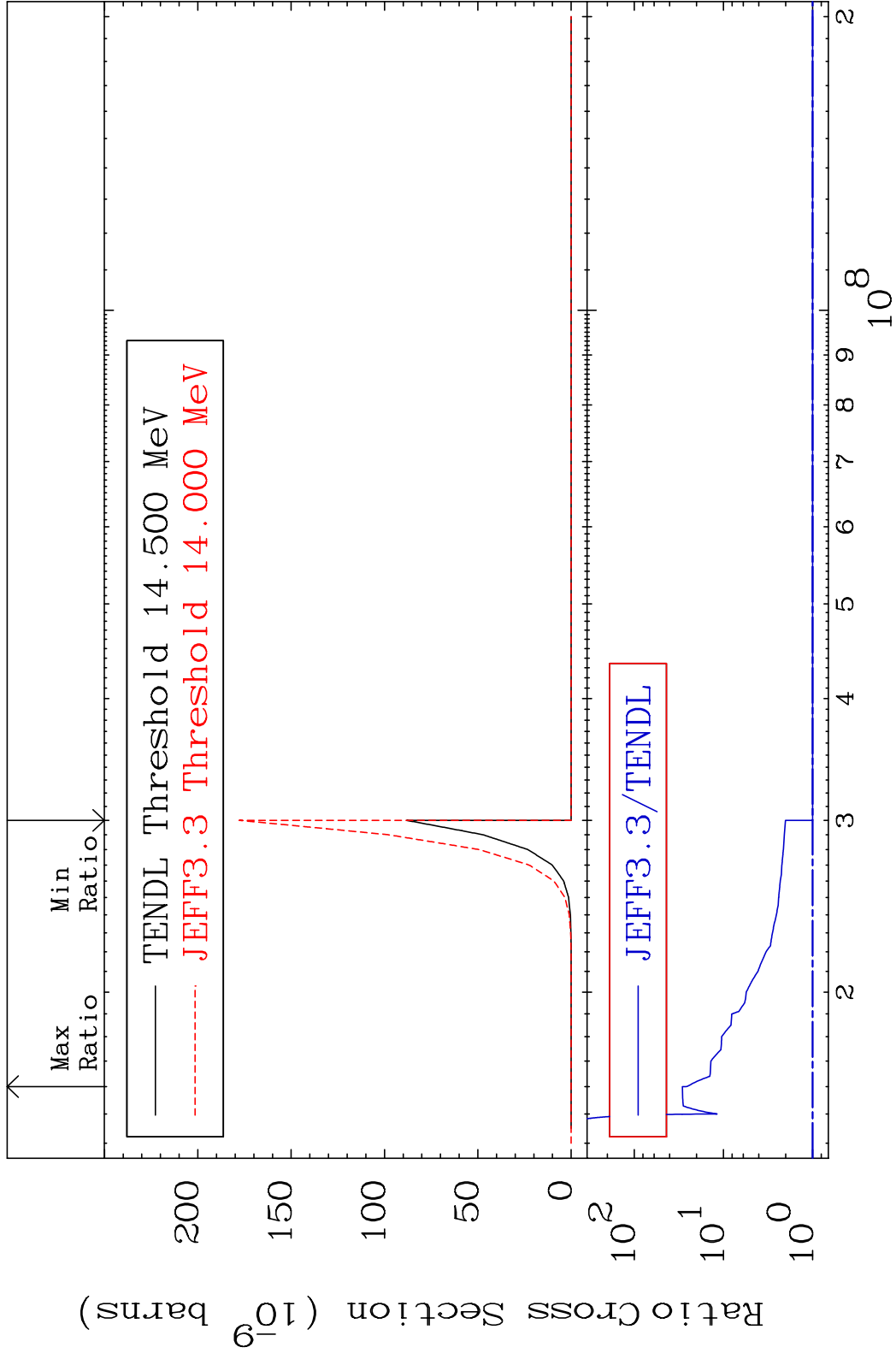
MAT 5237 (n,p) α :49-In-120g 52-Te-124
 Radionuclide Production Cross Section 1800 d to 6146. %



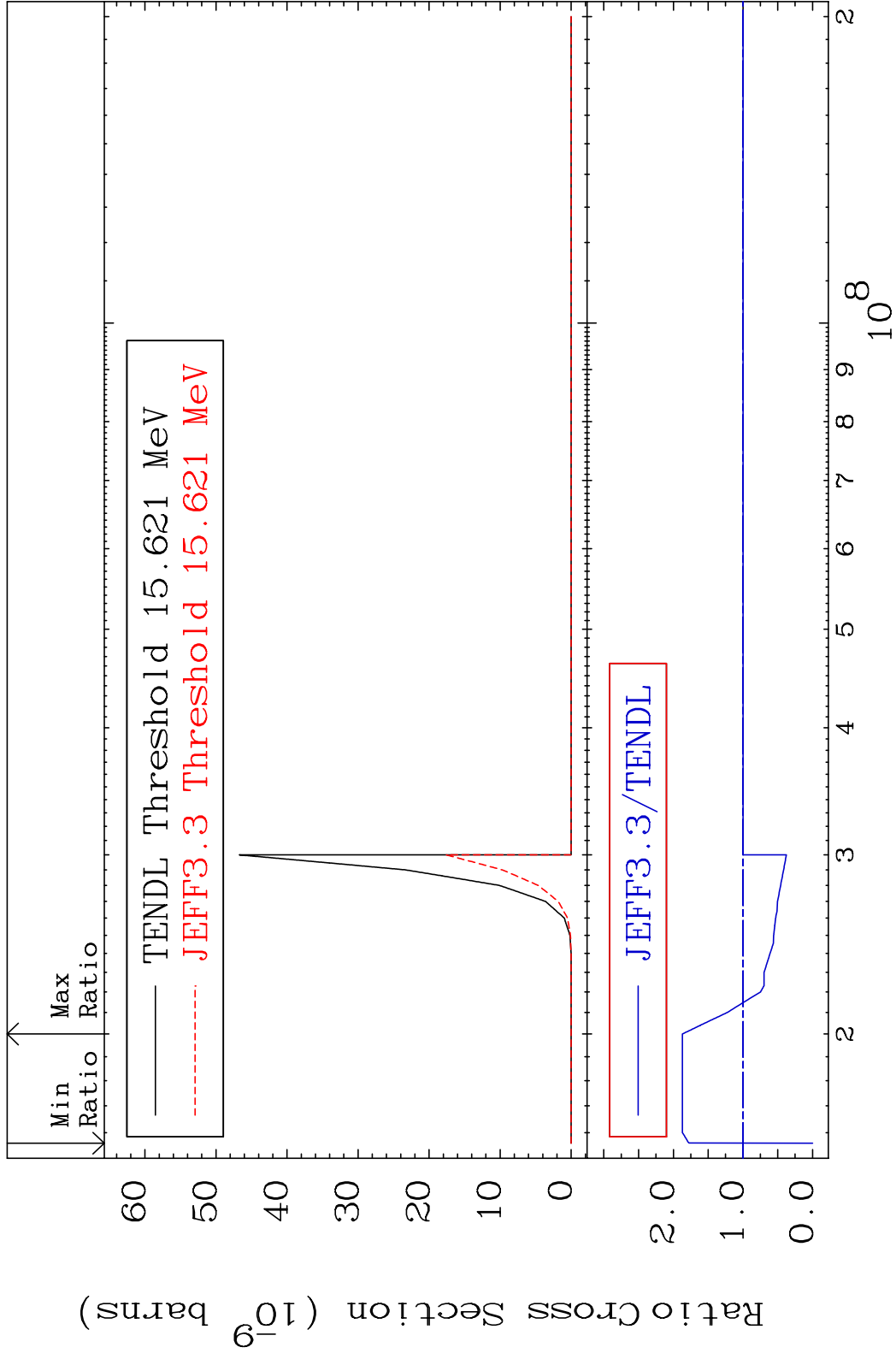
MAT 5237 (n, p) α : 49-In-120m1 52-Te-124
 Radionuclide Production Cross Section Ratio 2470. %



103 Incident Energy (eV) 52-Te-124



MAT 5237 (n,p) t:50-Sn-121g 52-Te-124
 Radionuclide Production Cross Section 180.01 dth 87.11 %



MAT 5237 (n,p) t:50-Sn-121m1 52-Te-124
 Radionuclide Production Cross Section 180.01 dth 78.20 %

