

Program Complot
(Version 2021-1)

by

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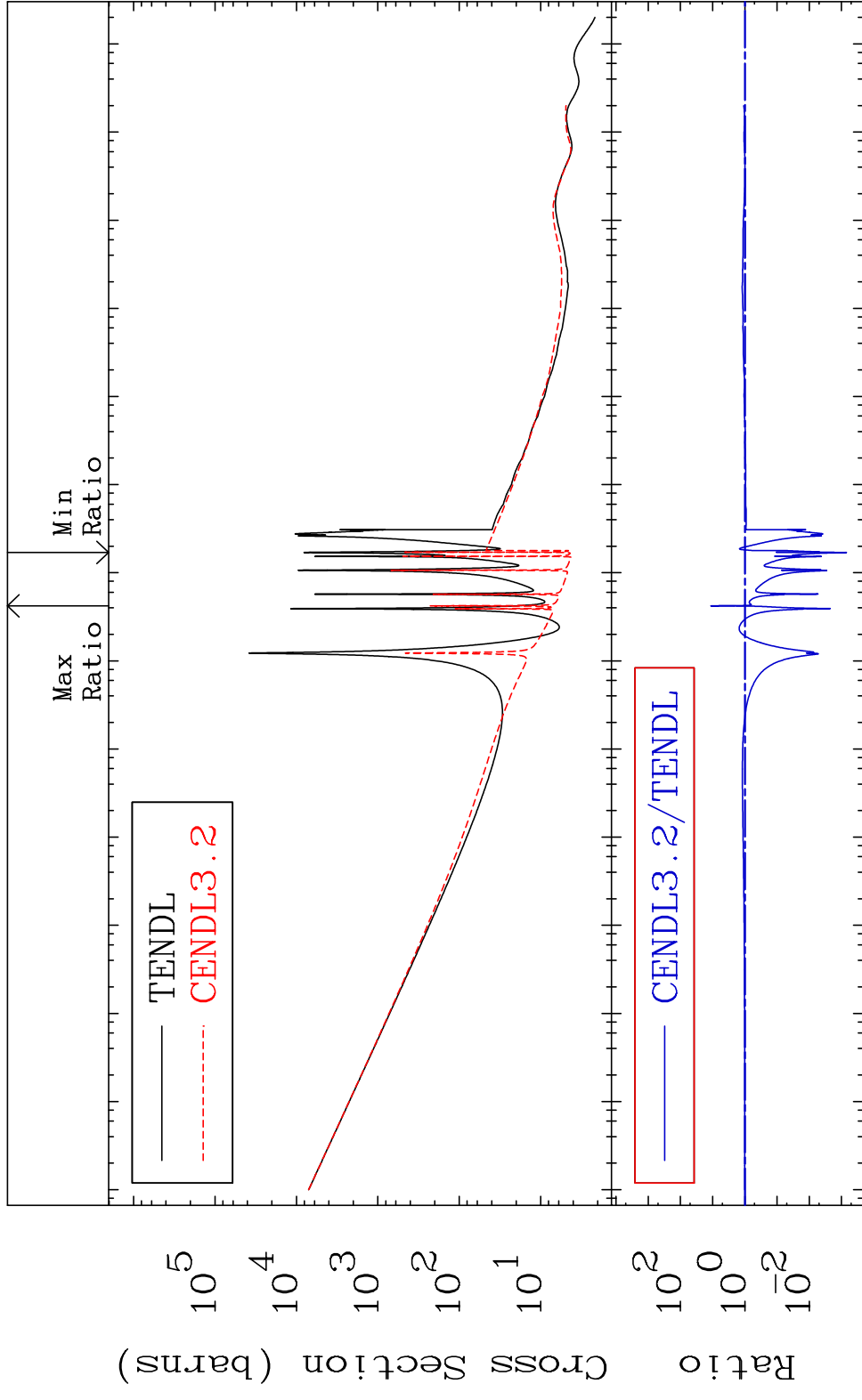
Press Mouse Button to Start

MAT 5528

55-Cs-134

Total

Cross Section -99.93 To 1047. %



1

Incident Energy (eV)

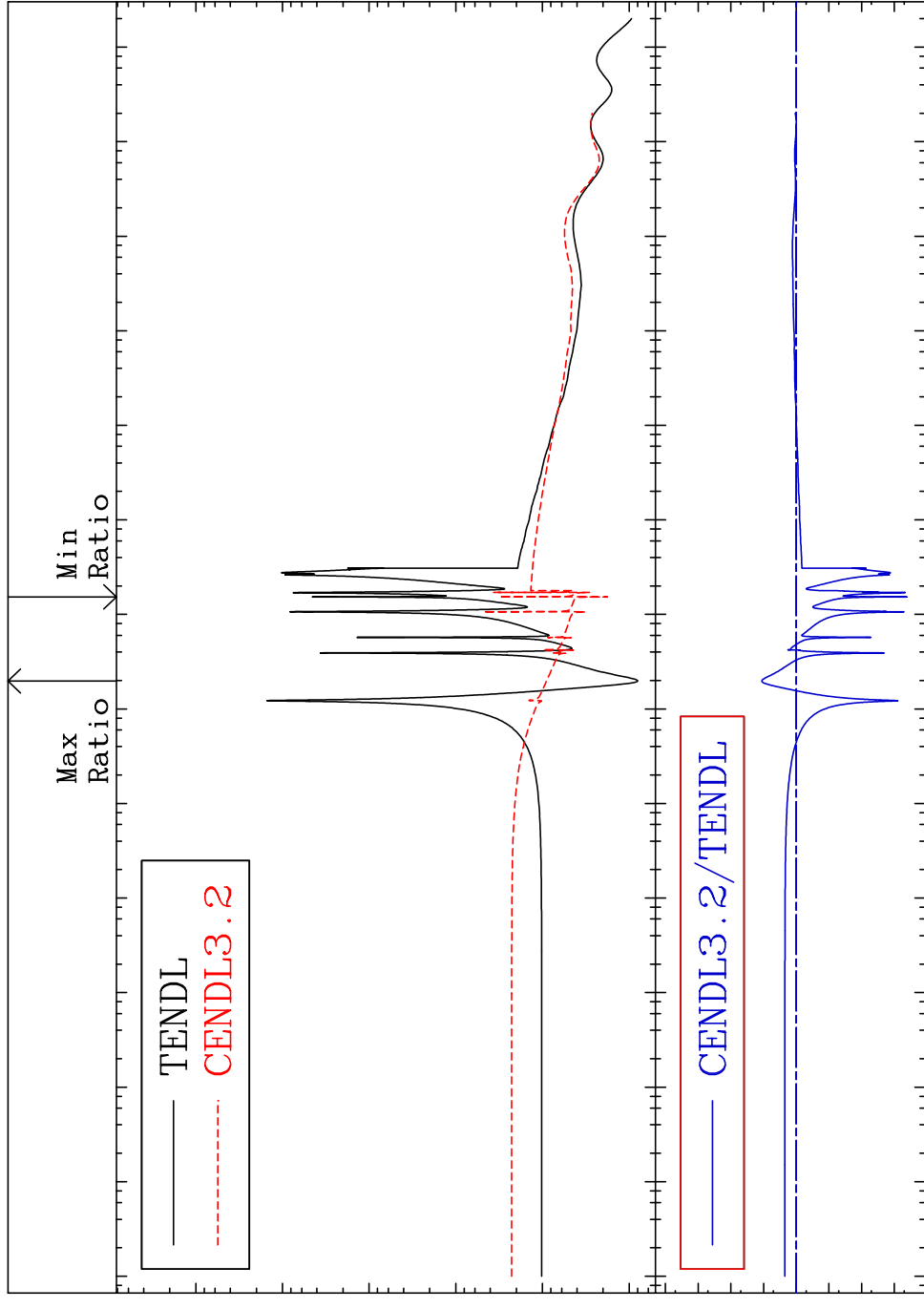
55-Cs-134

MAT 5528

Elastic

55-Cs-134

Cross Section -99.96 To 1028. %



Cross Section (barns)

Ratio

Incident Energy (eV)

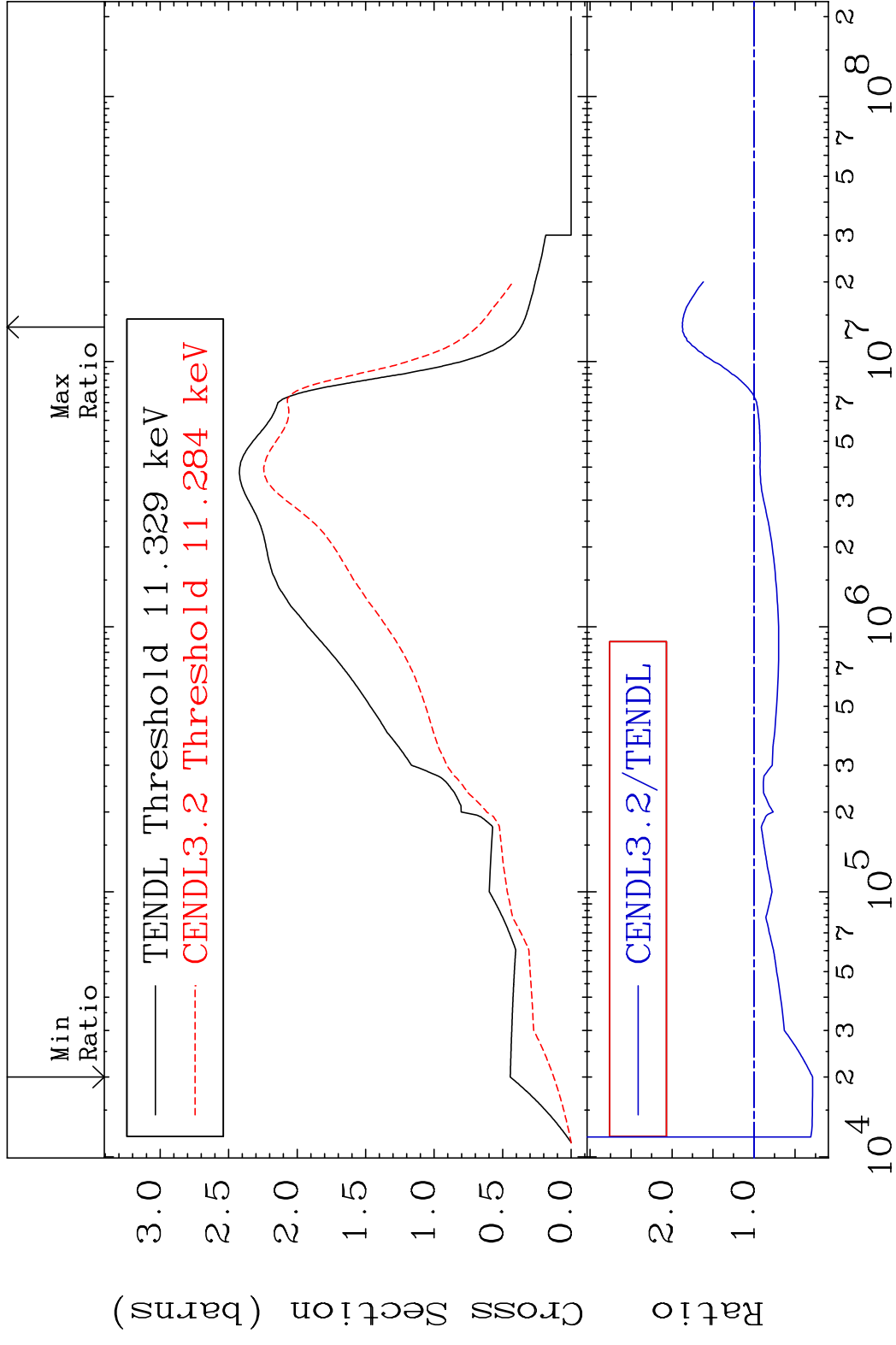
MAT 5528

Inelastic

55-Cs-134

Cross Section

-71.30 To 87.41 %

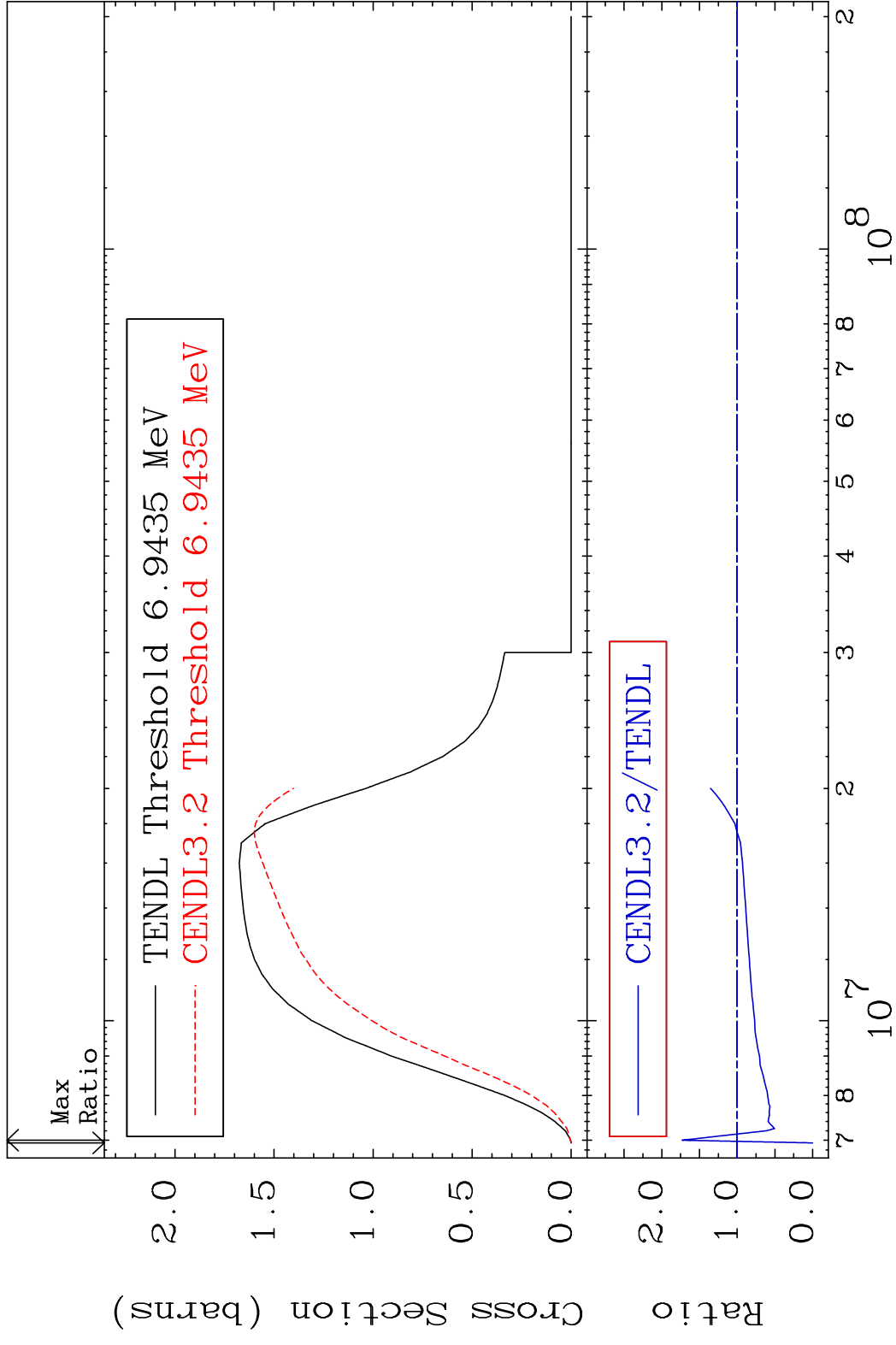


3

Incident Energy (eV)

55-Cs-134

MAT 5528 (n,2n) 55-Cs-134
 Cross Section -100.0 To 72.73 %

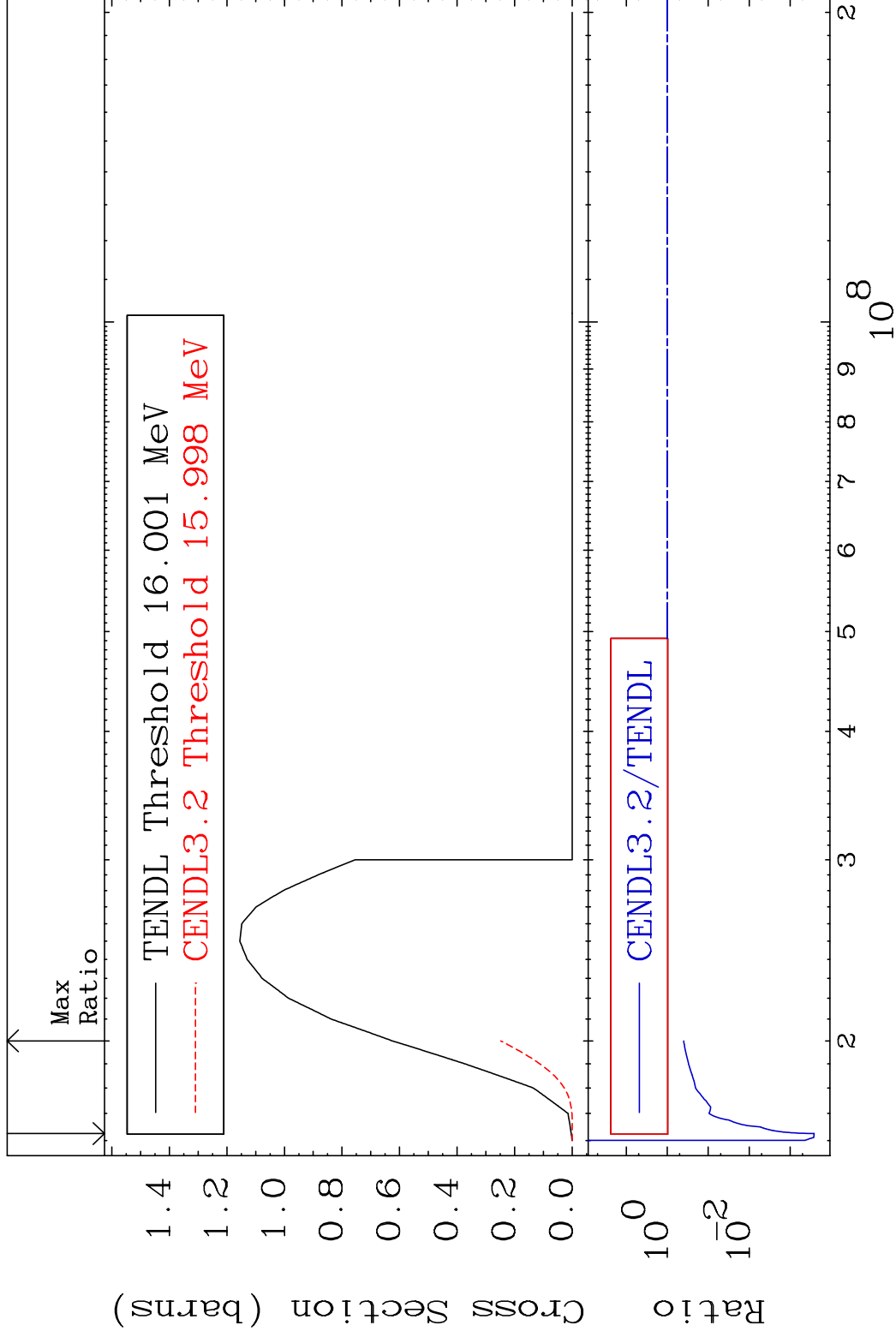


MAT 5528

(n,3n)

55-Cs-134

Cross Section -99.97 To -60.21%



5

Incident Energy (eV)

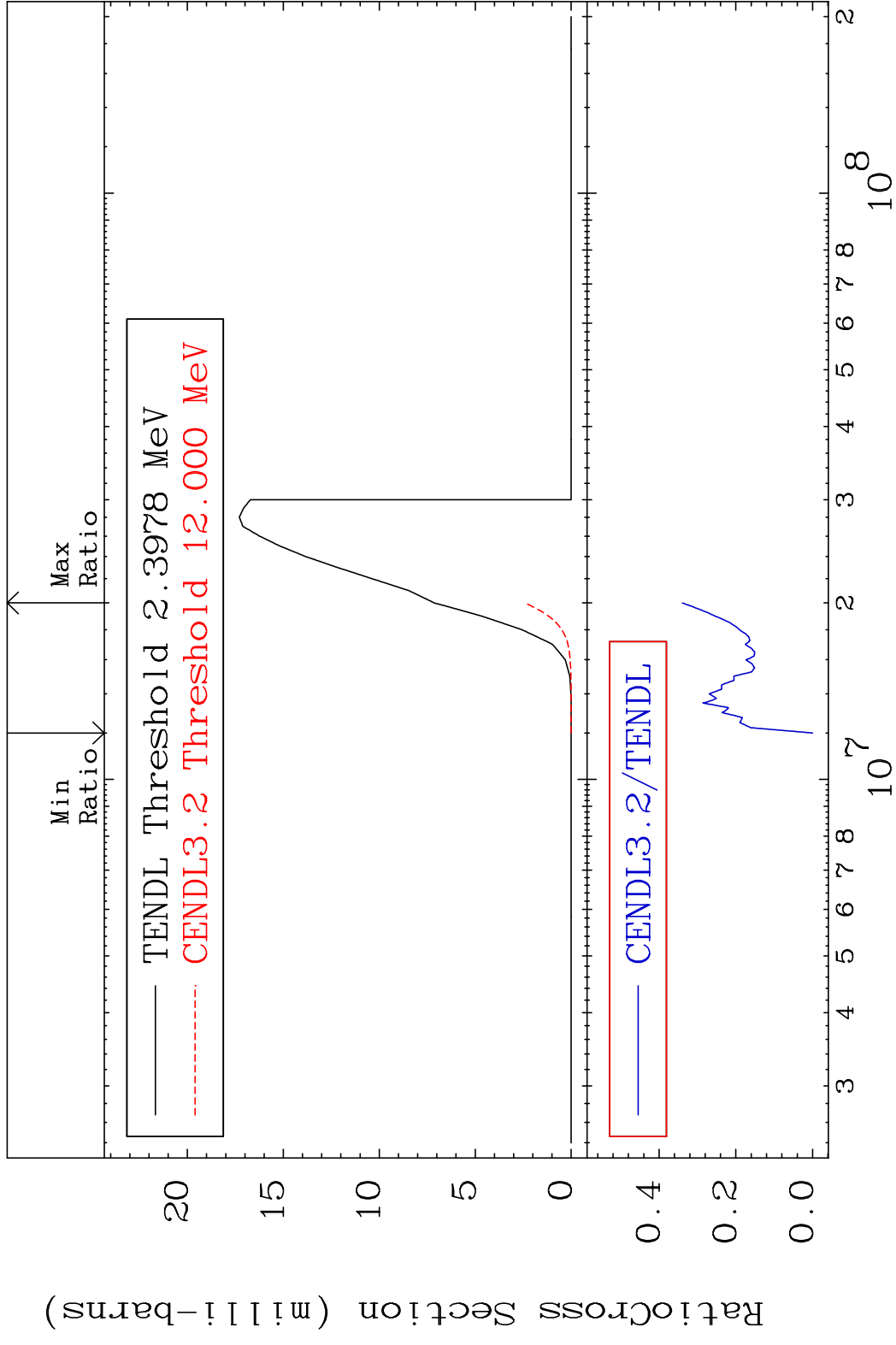
55-Cs-134

MAT 5528

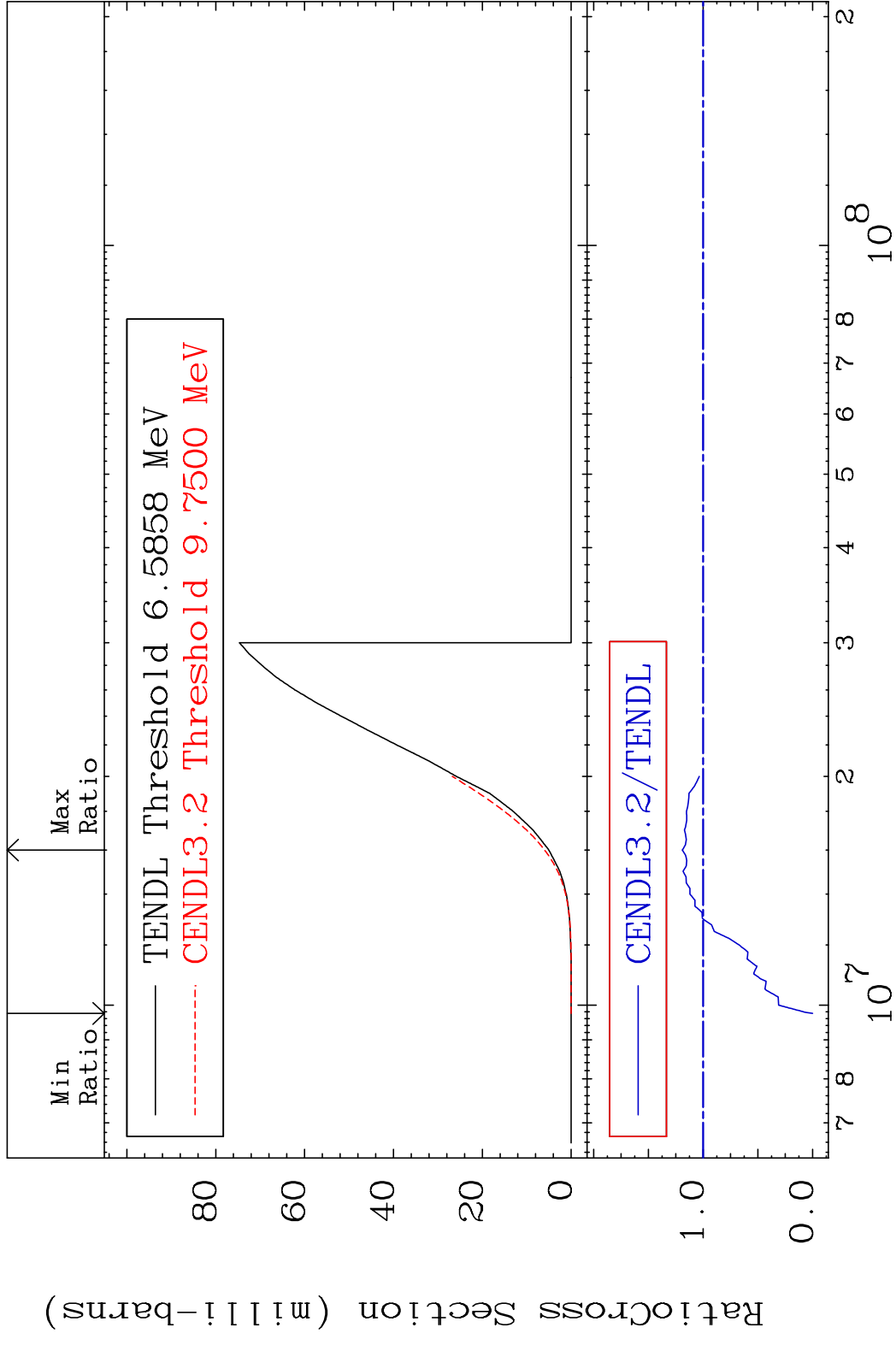
(n, n') α

55-Cs-134

Cross Section -100.0 To -66.05%

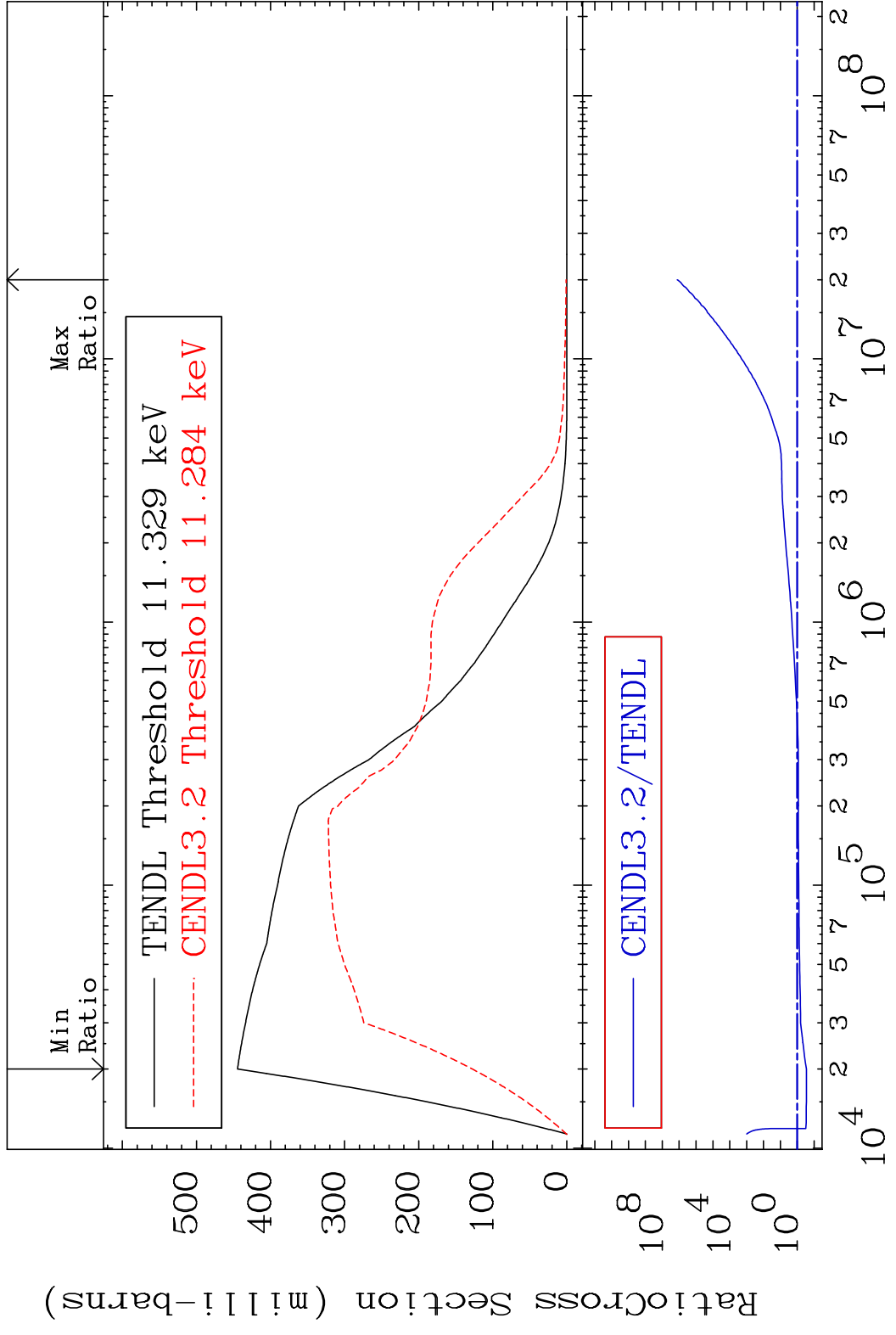


MAT 5528 (n, n') p 55-Cs-134
 Cross Section -100.0 To 18.99 %



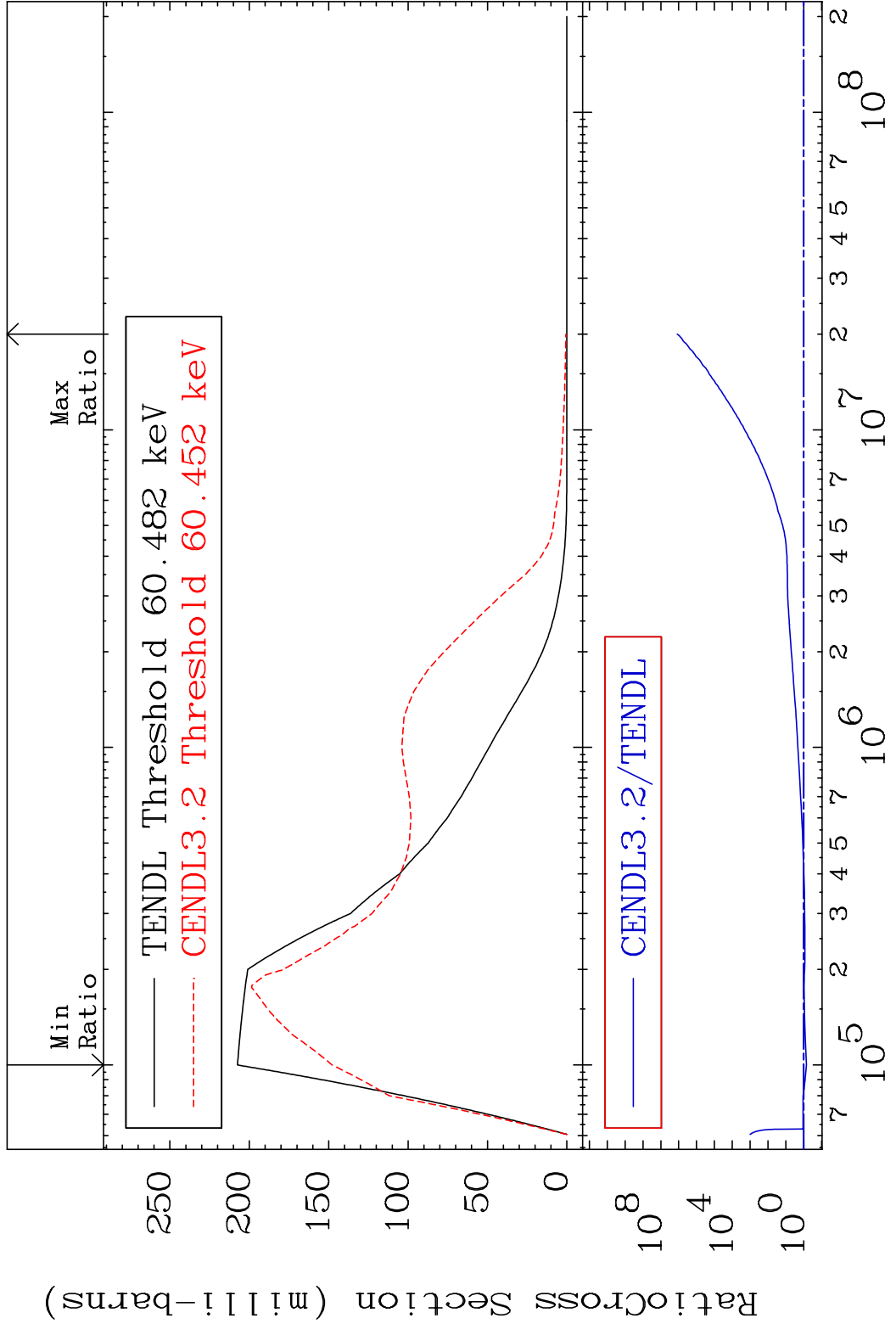
7 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 55-Cs-134

MAT 5528 MT= 51 (n,n') Level 55-Cs-134
 Cross Section -71.30 To 9999. %

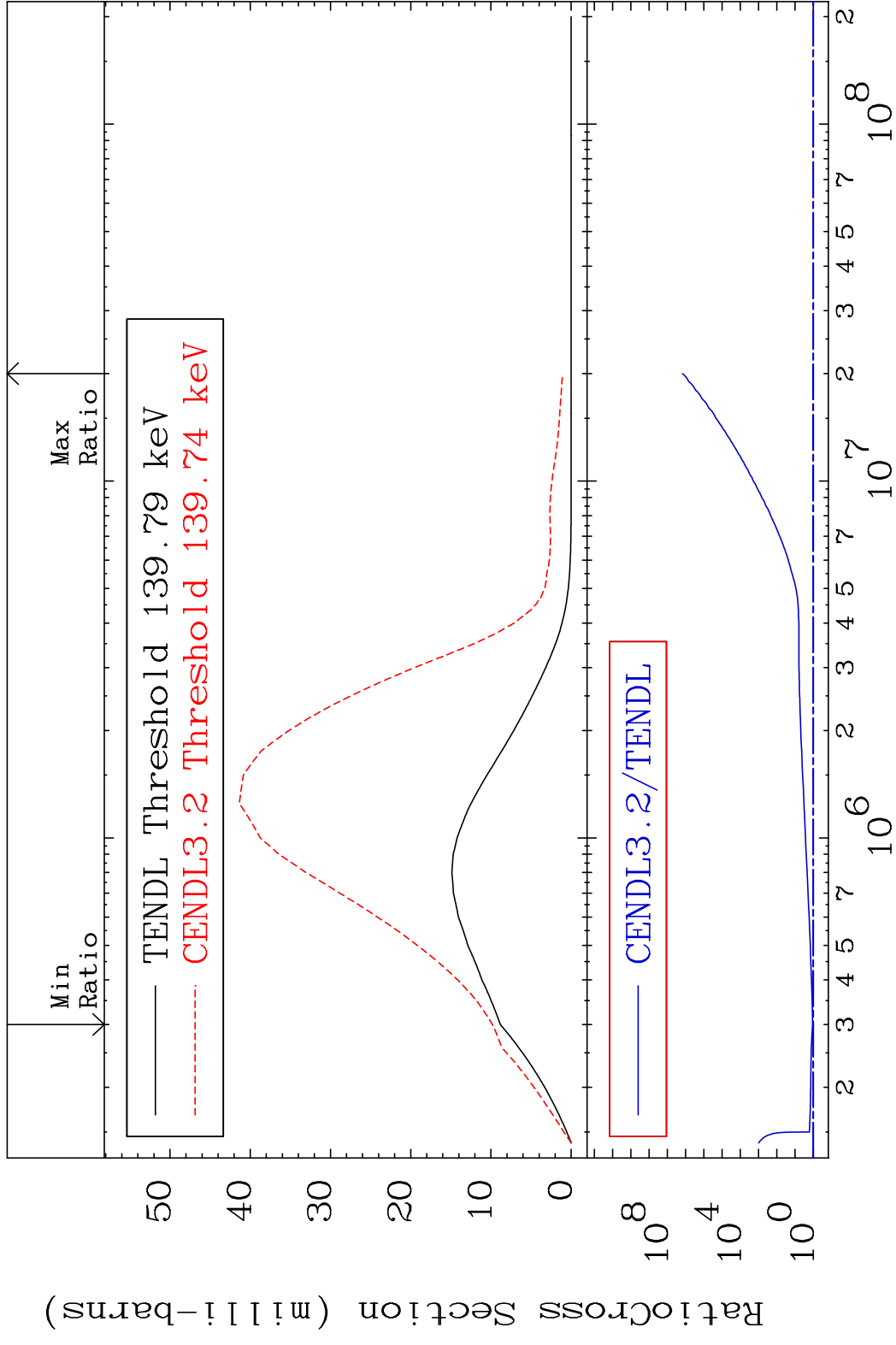


8 Incident Energy (eV) 55-Cs-134

MAT 5528 MT= 52 (n,n') Level 55-Cs-134
 Cross Section -28.72 To 9999. %

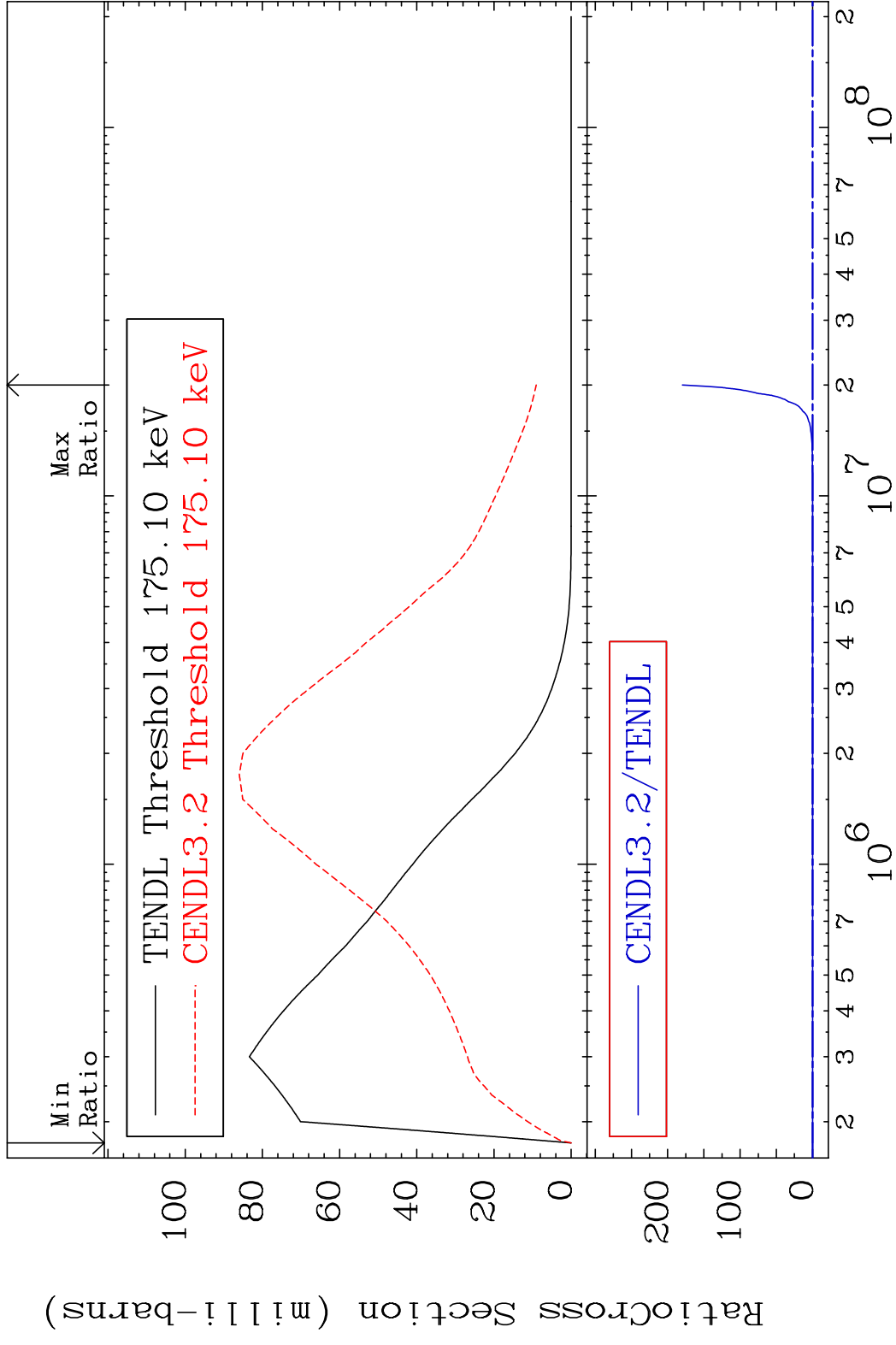


MAT 5528 MT= 53 (n,n') Level 55-Cs-134
 Cross Section 11.12 To 9999. %

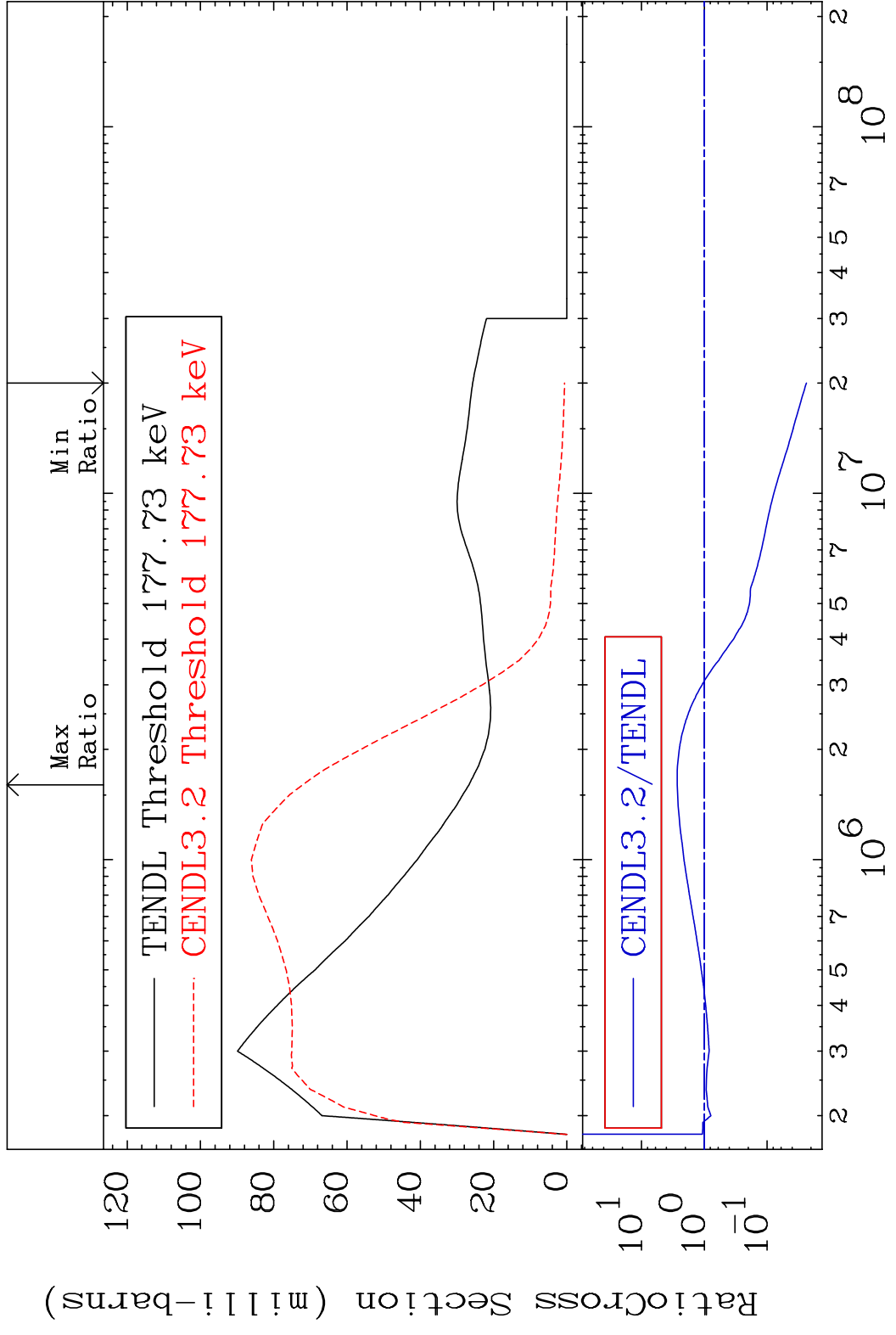


10 Incident Energy (eV) 55-Cs-134

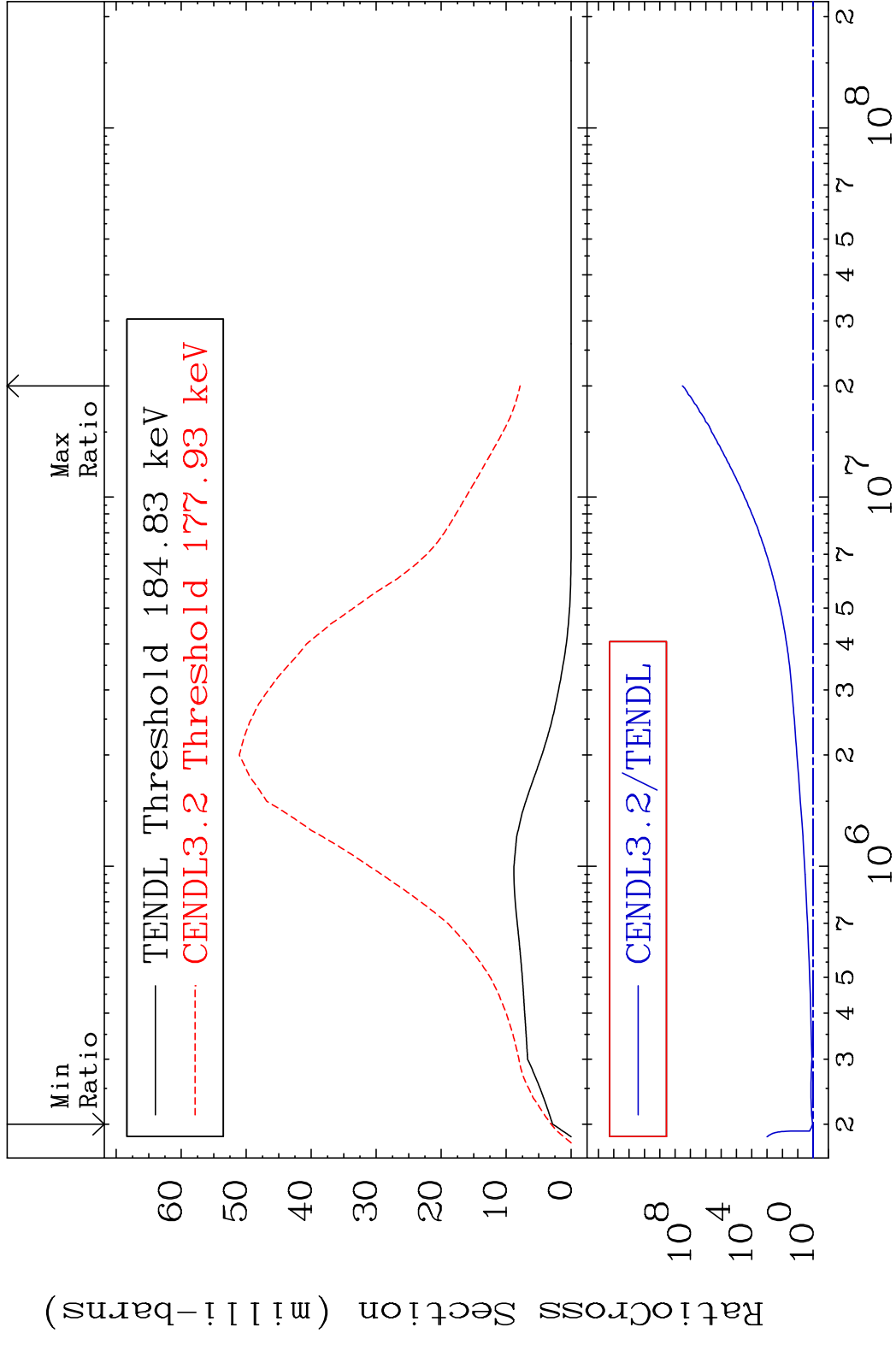
MAT 5528 MT= 54 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



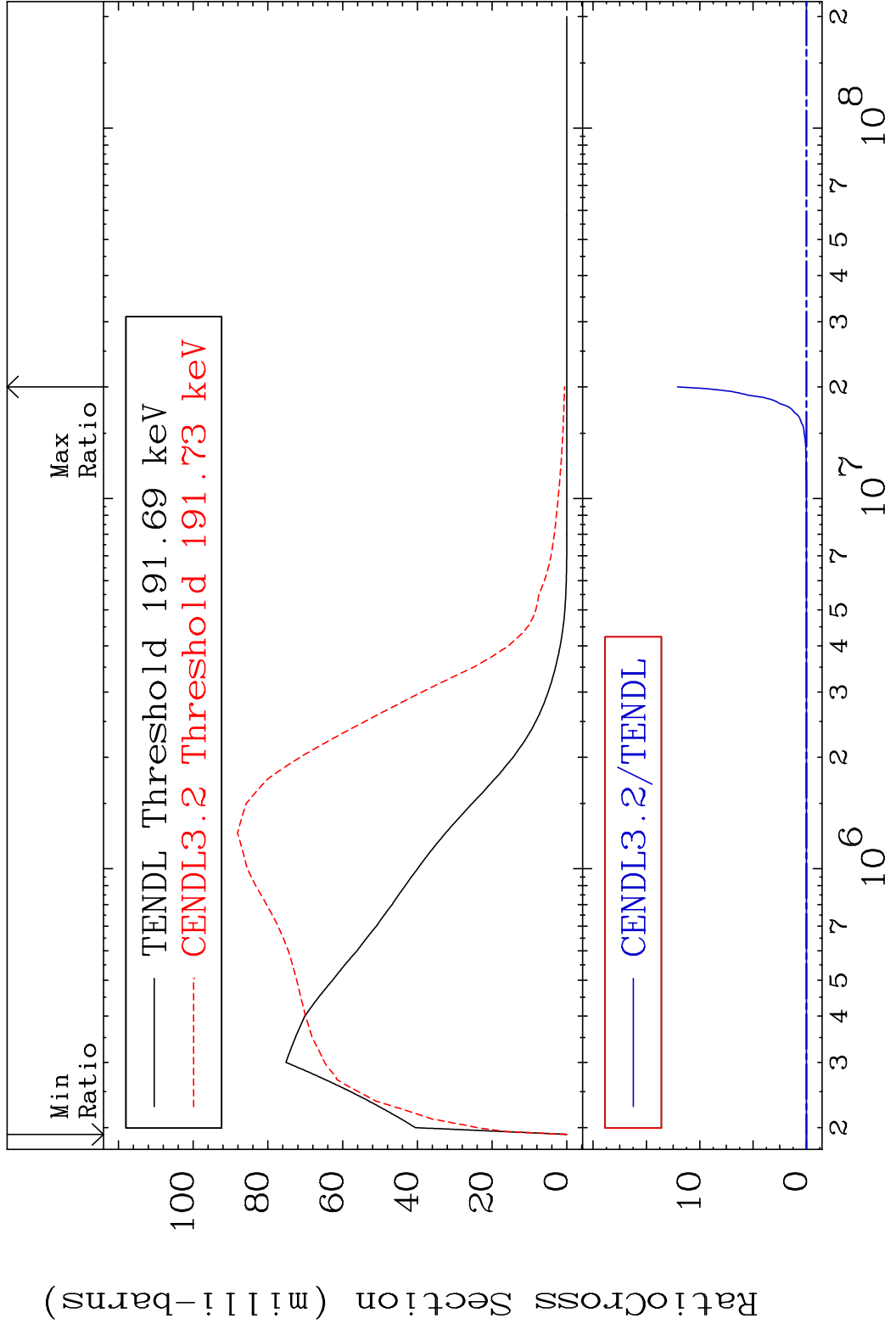
MAT 5528 MT= 55 (n,n') Level 55-Cs-134
 Cross Section -97.63 To 170.0 %



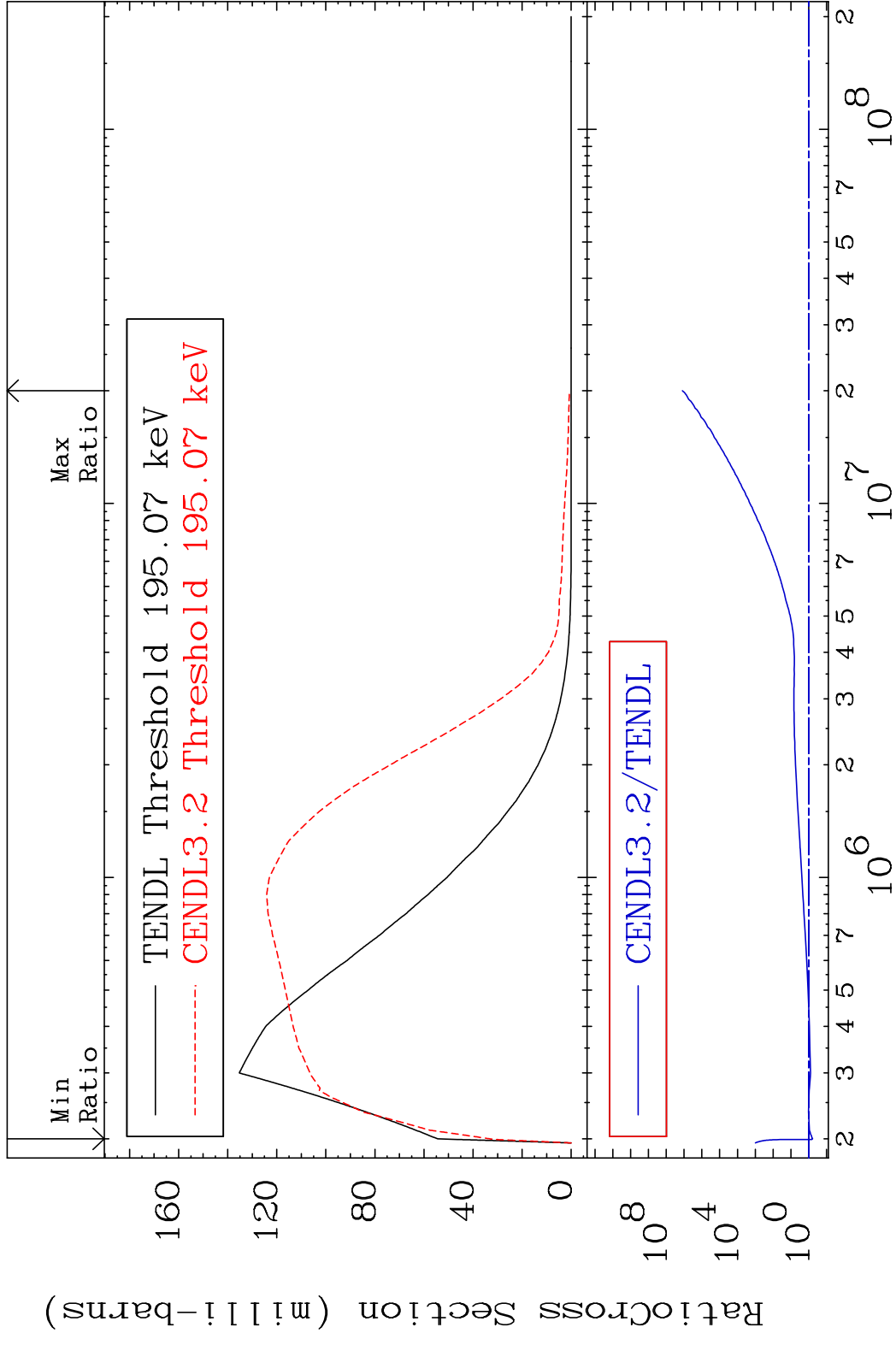
MAT 5528 MT= 56 (n, n') Level 55-Cs-134
 Cross Section 7.697 To 9999. %



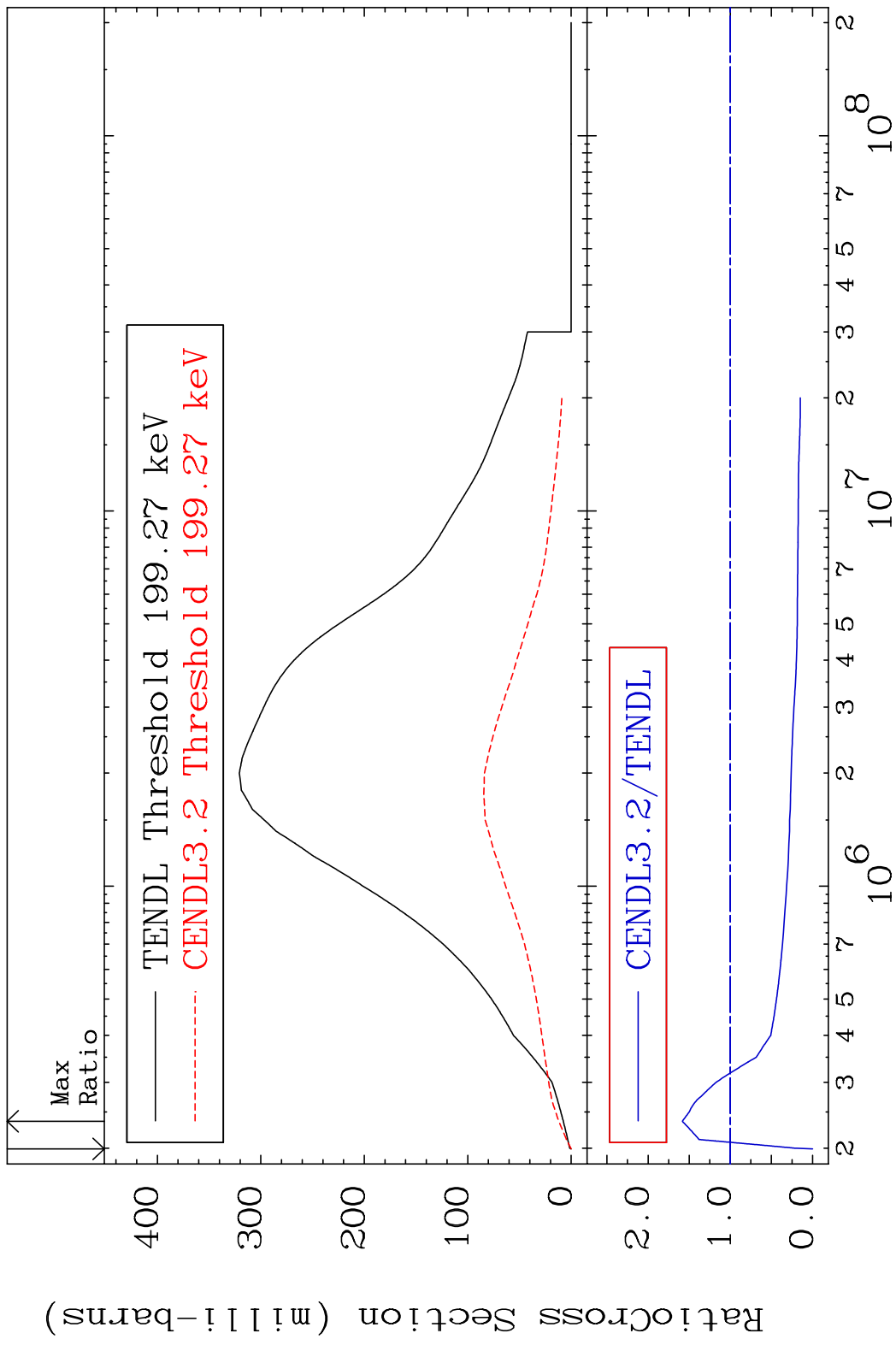
MAT 5528 MT= 57 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



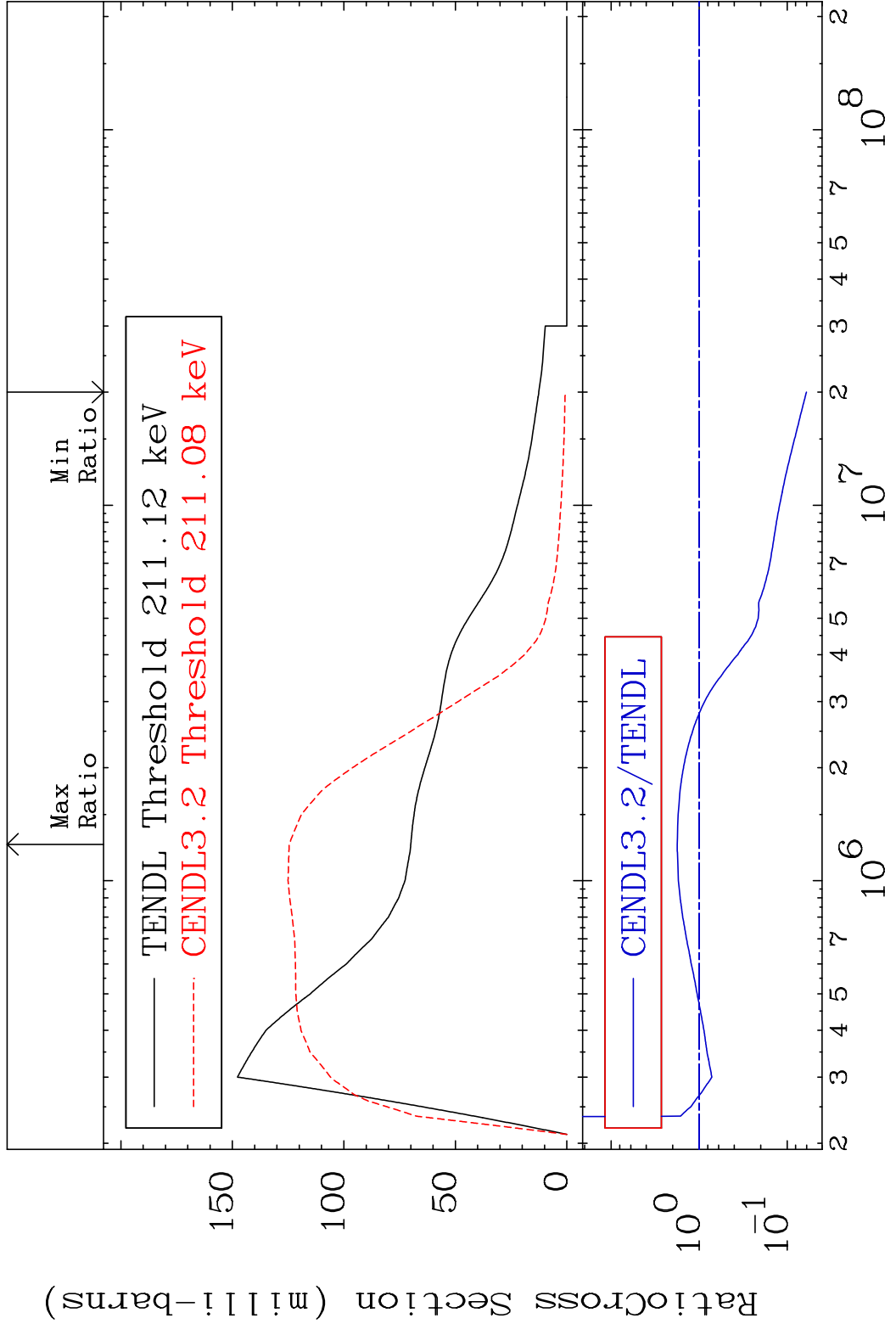
MAT 5528 MT= 58 (n,n') Level 55-Cs-134
 Cross Section -39.44 To 9999. %



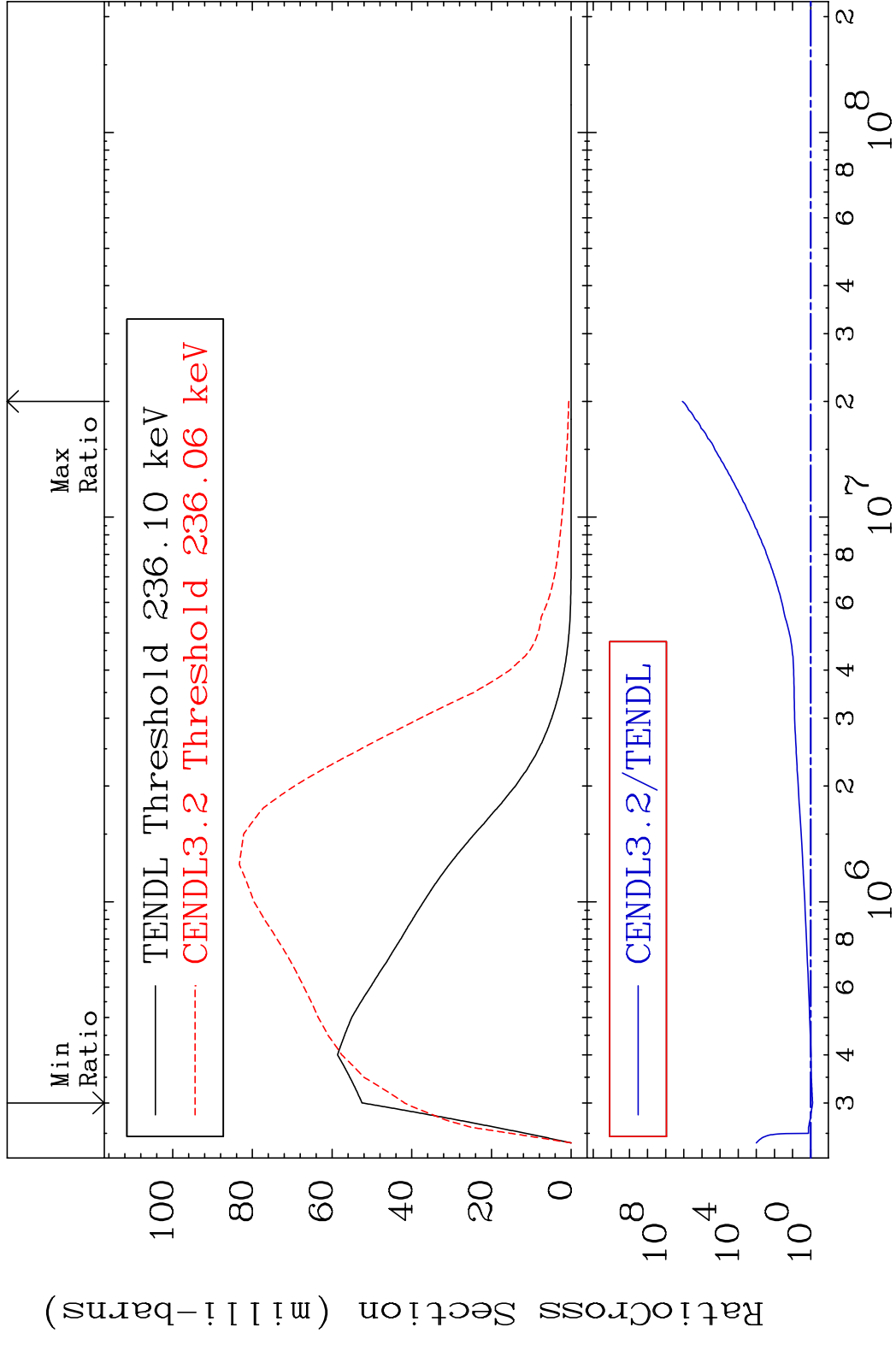
MAT 5528 MT= 59 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 58.33 %



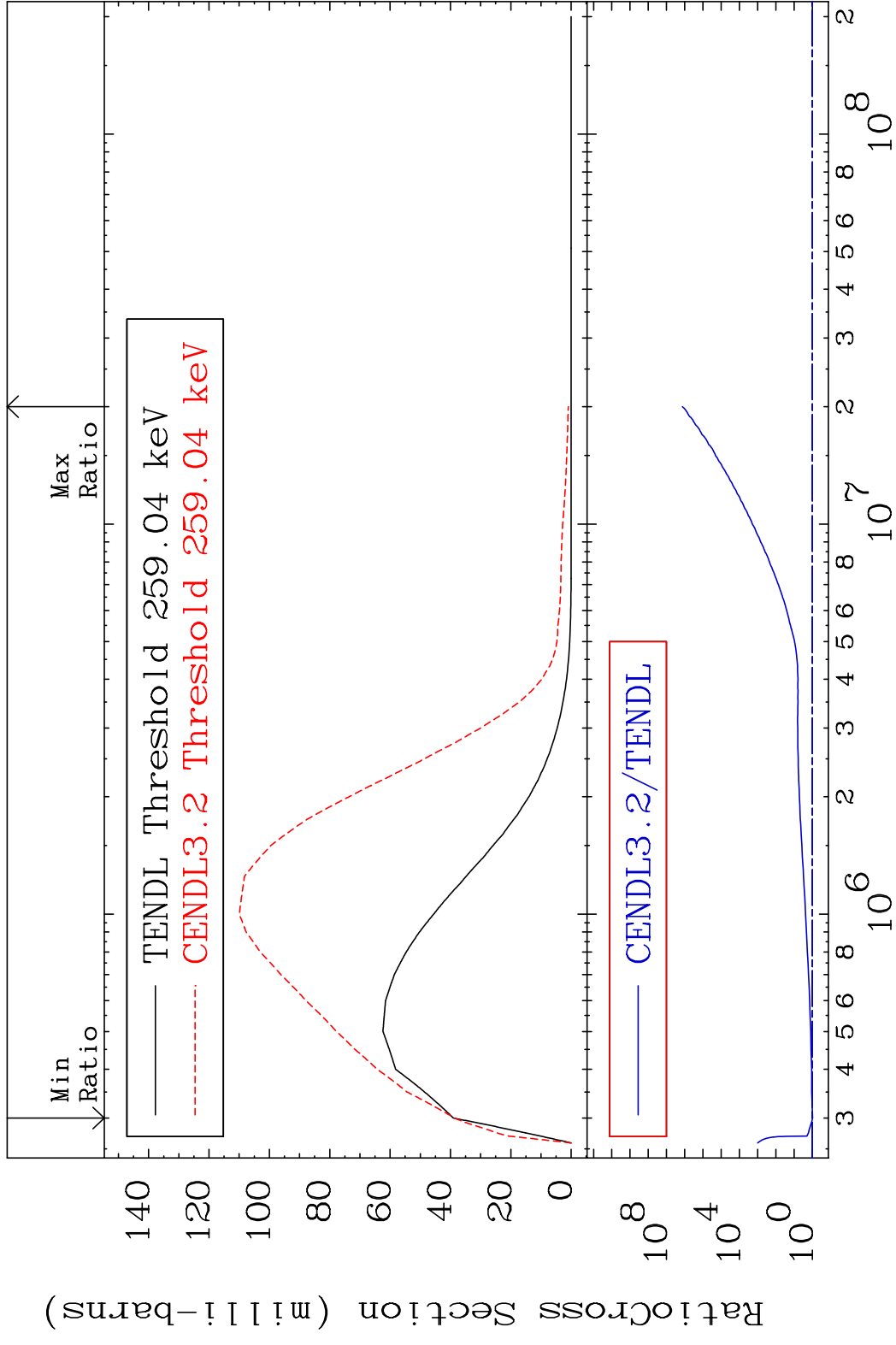
MAT 5528 MT= 60 (n, n') Level 55-Cs-134
 Cross Section -93.96 To 77.90 %



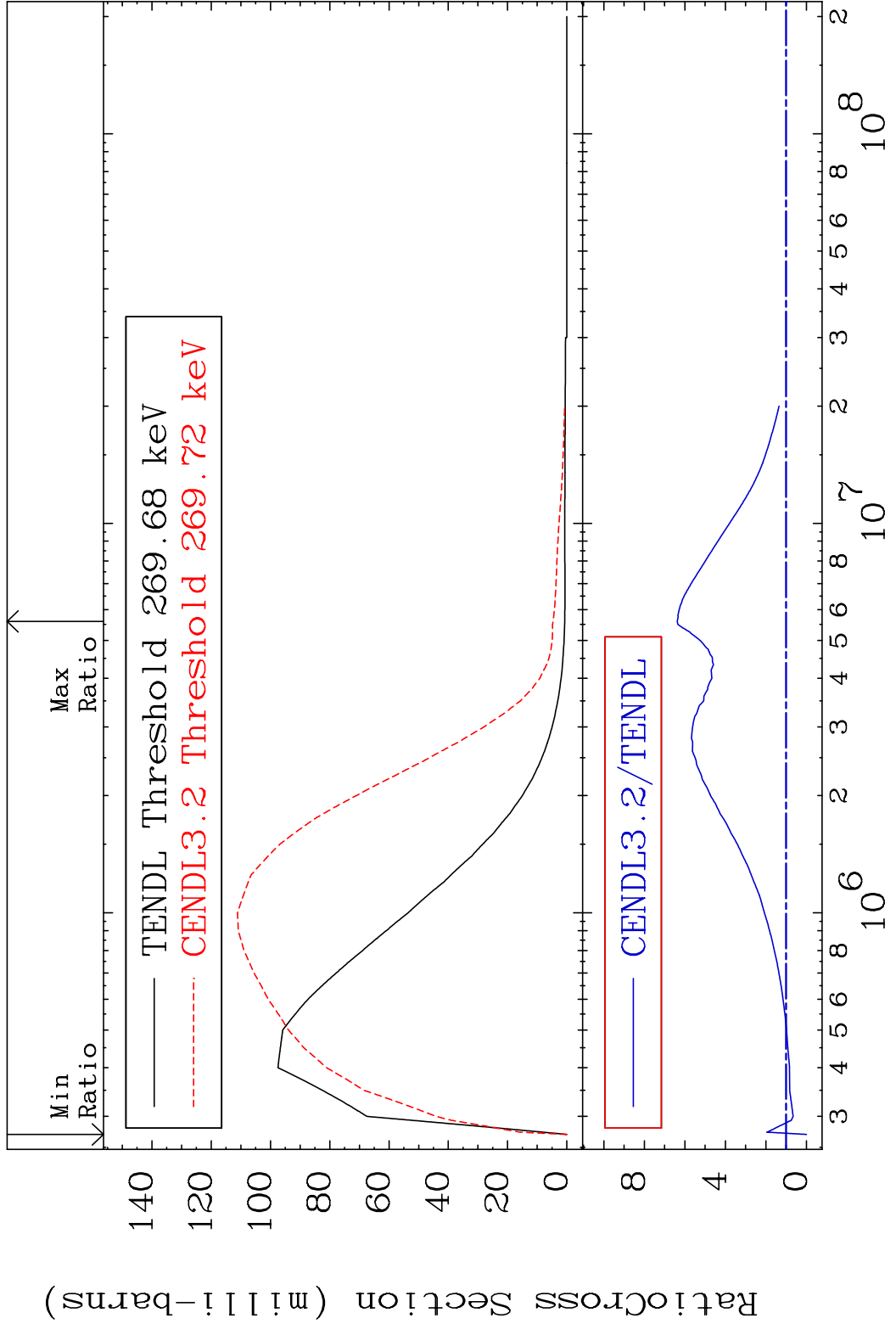
MAT 5528 MT= 61 (n, n') Level 55-Cs-134
 Cross Section -20.29 To 9999. %



MAT 5528 MT= 62 (n,n') Level 55-Cs-134
 Cross Section -0.997 To 9999. %

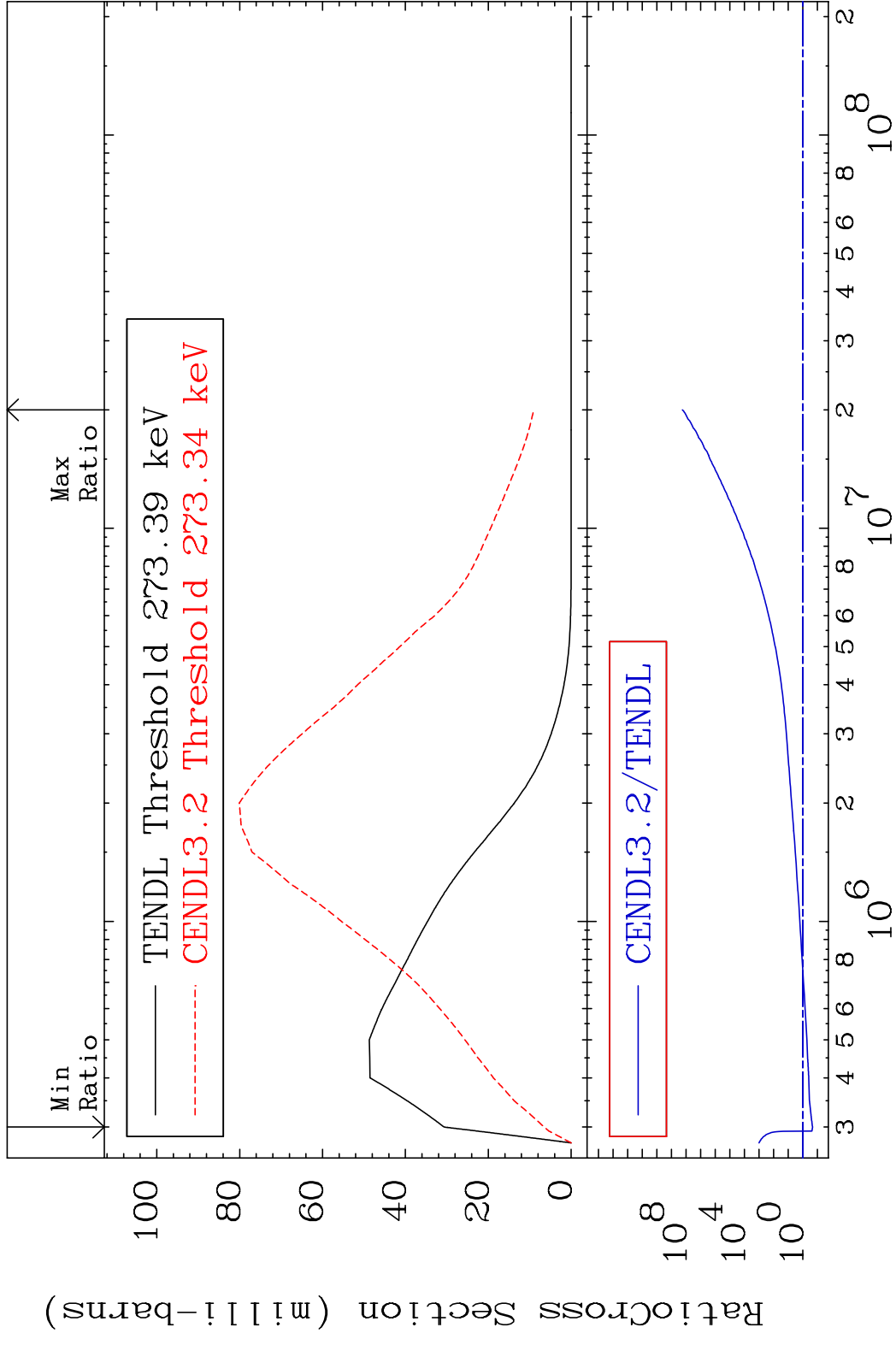


MAT 5528 MT= 63 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 538.0 %

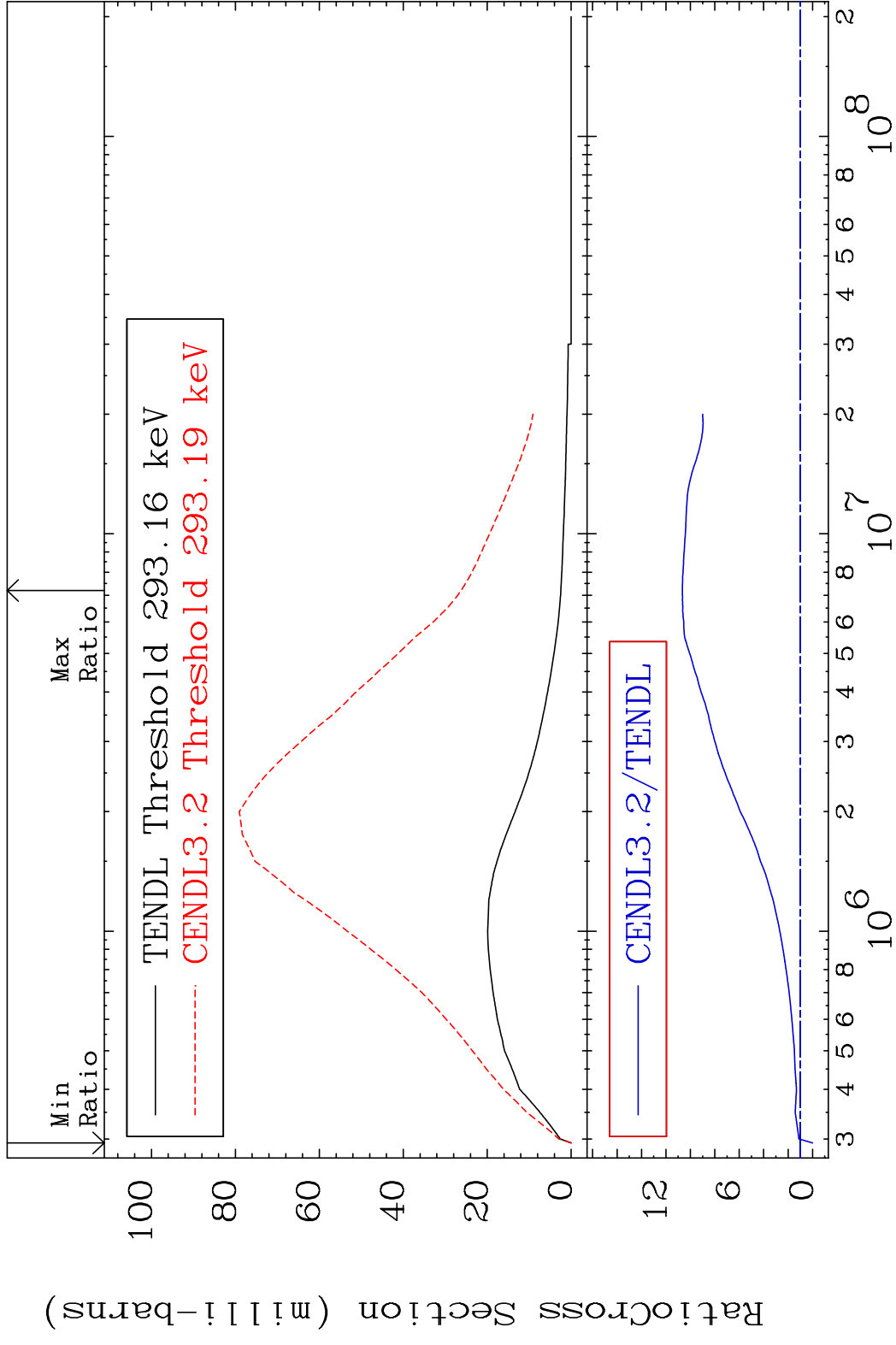


20 Incident Energy (eV) 55-Cs-134

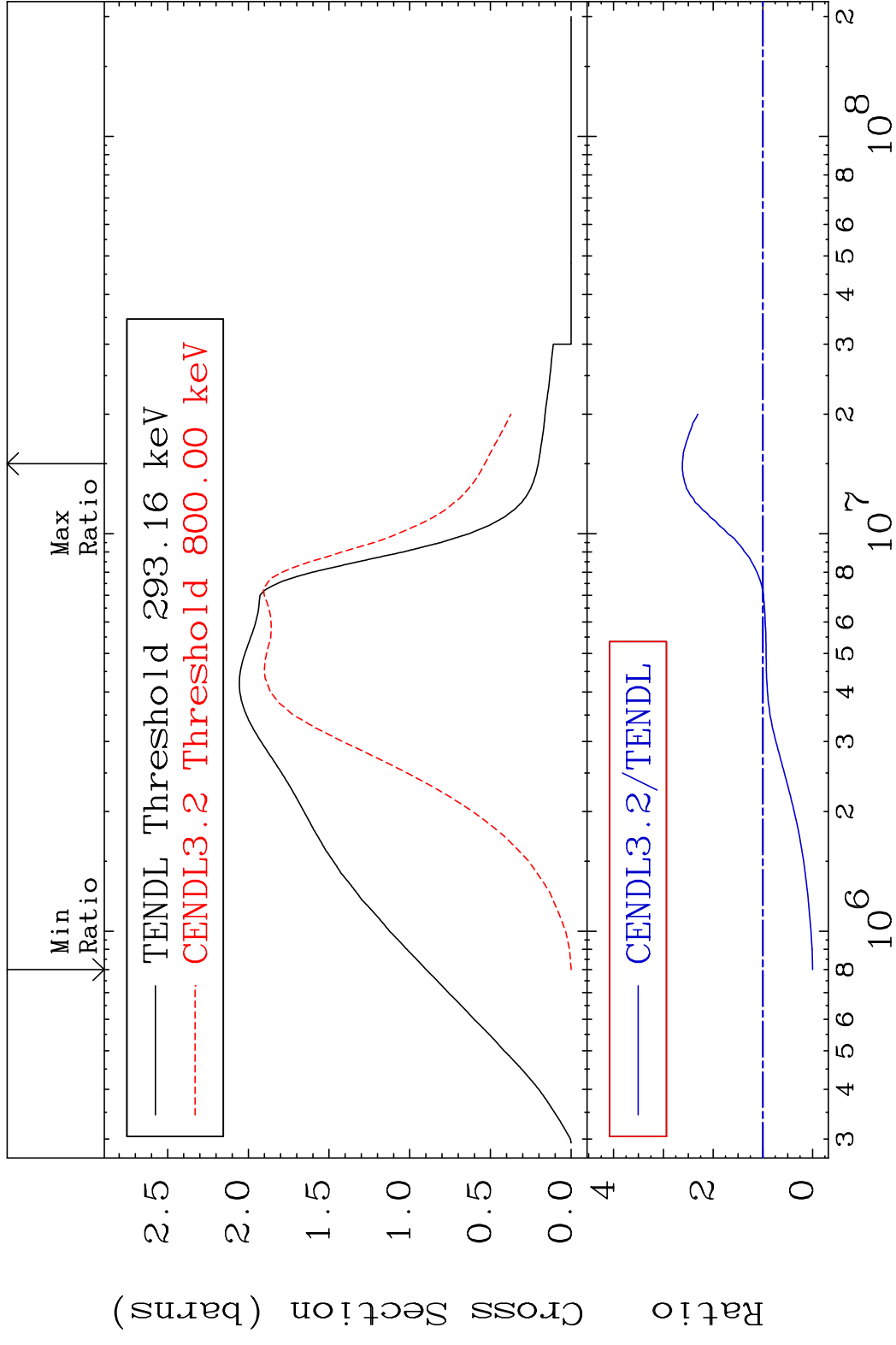
MAT 5528 MT= 64 (n,n') Level 55-Cs-134
 Cross Section -78.70 To 9999. %



MAT 5528 MT= 65 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 965.7 %

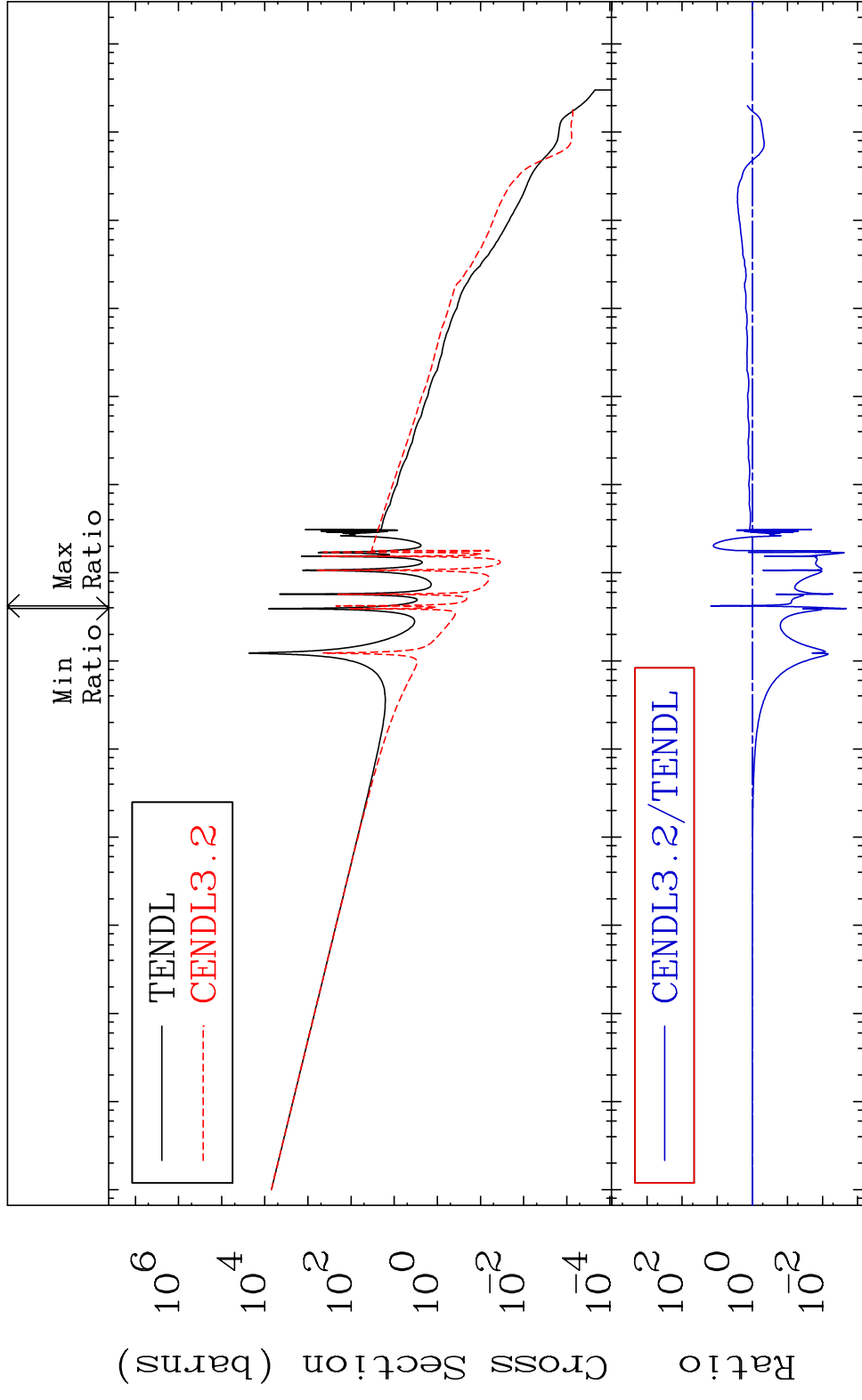


Cross Section -100.0 To 161.8 %



MAT 5528

(n, γ)
Cross Section -99.79 To 1431. %
55-Cs-134

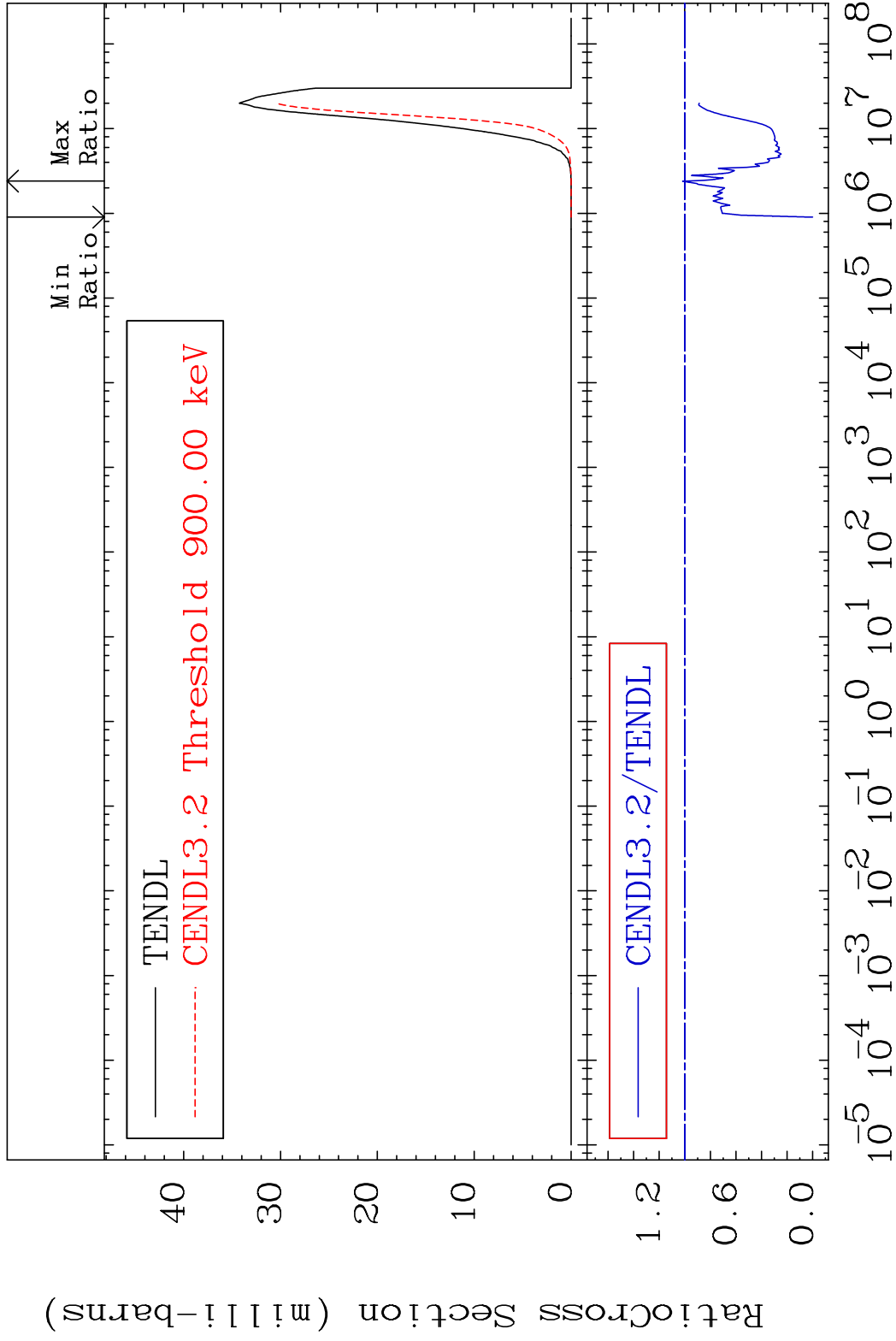


MAT 5528

(n, p)

55-Cs-134

Cross Section -100.0 To 1.898 %



25

Incident Energy (eV)

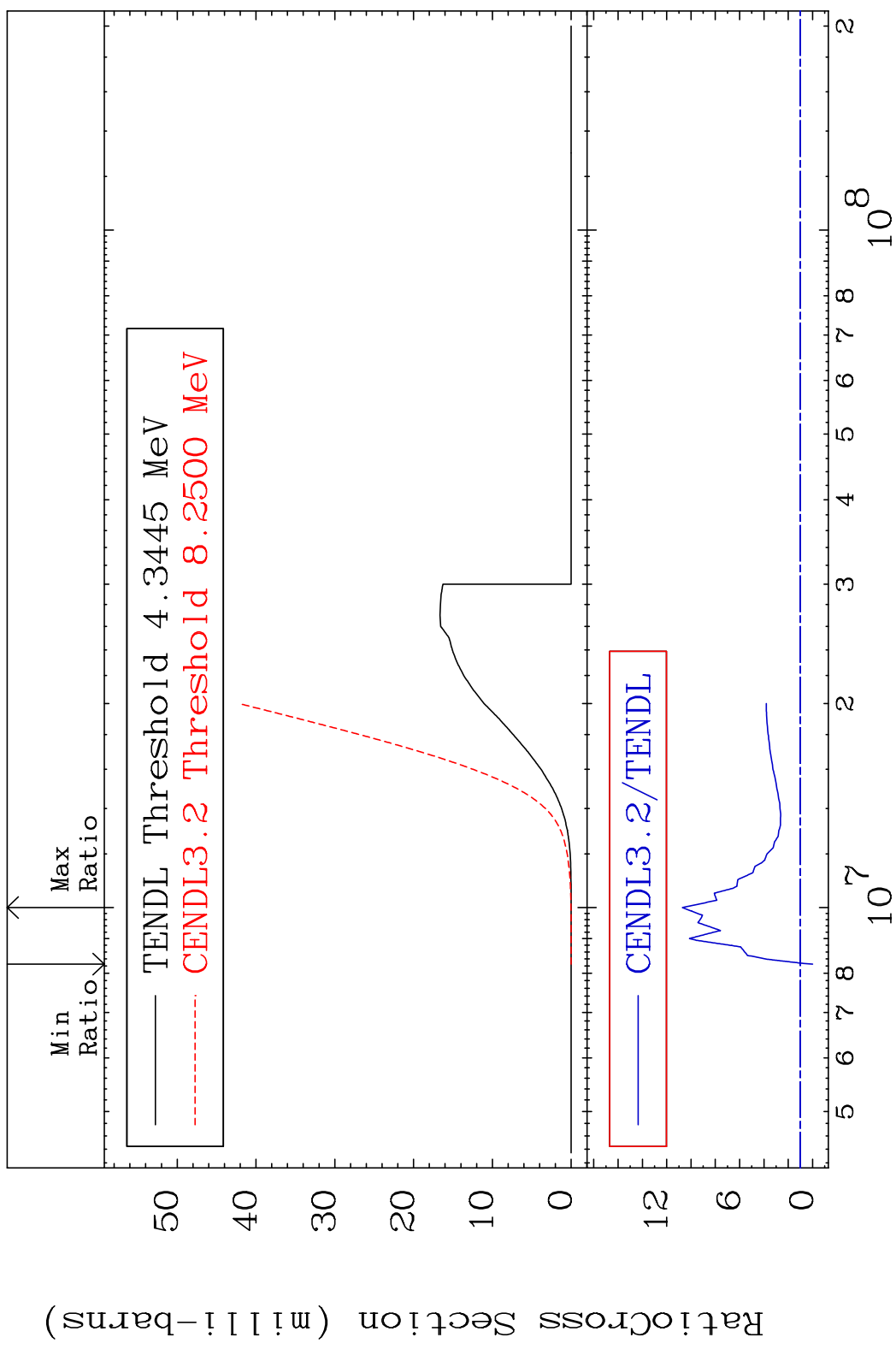
55-Cs-134

MAT 5528

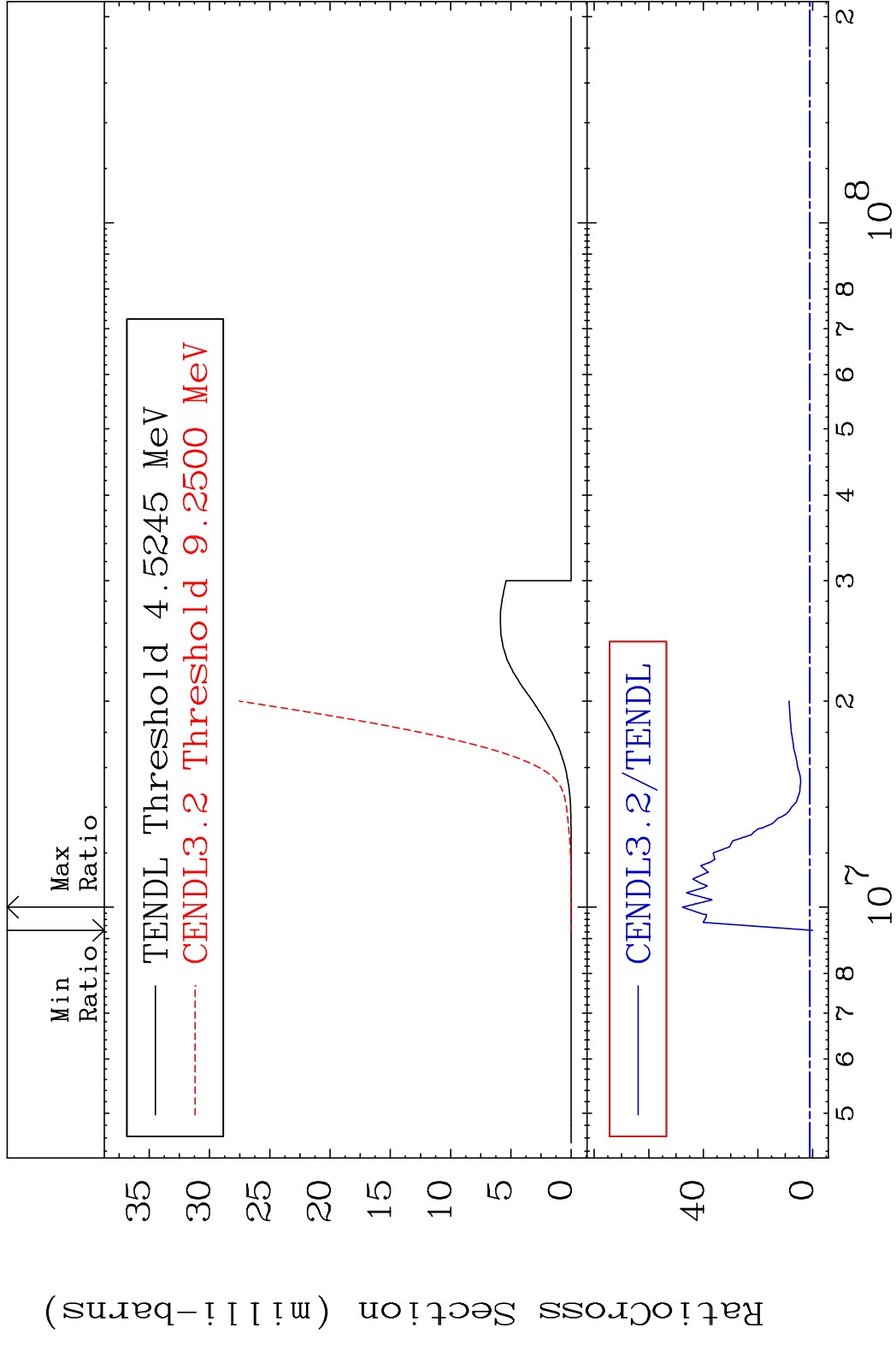
(n,d)

55-Cs-134

Cross Section -100.0 To 971.2 %



MAT 5528 (n, t) 55-Cs-134
 Cross Section -100.0 To 4671. %

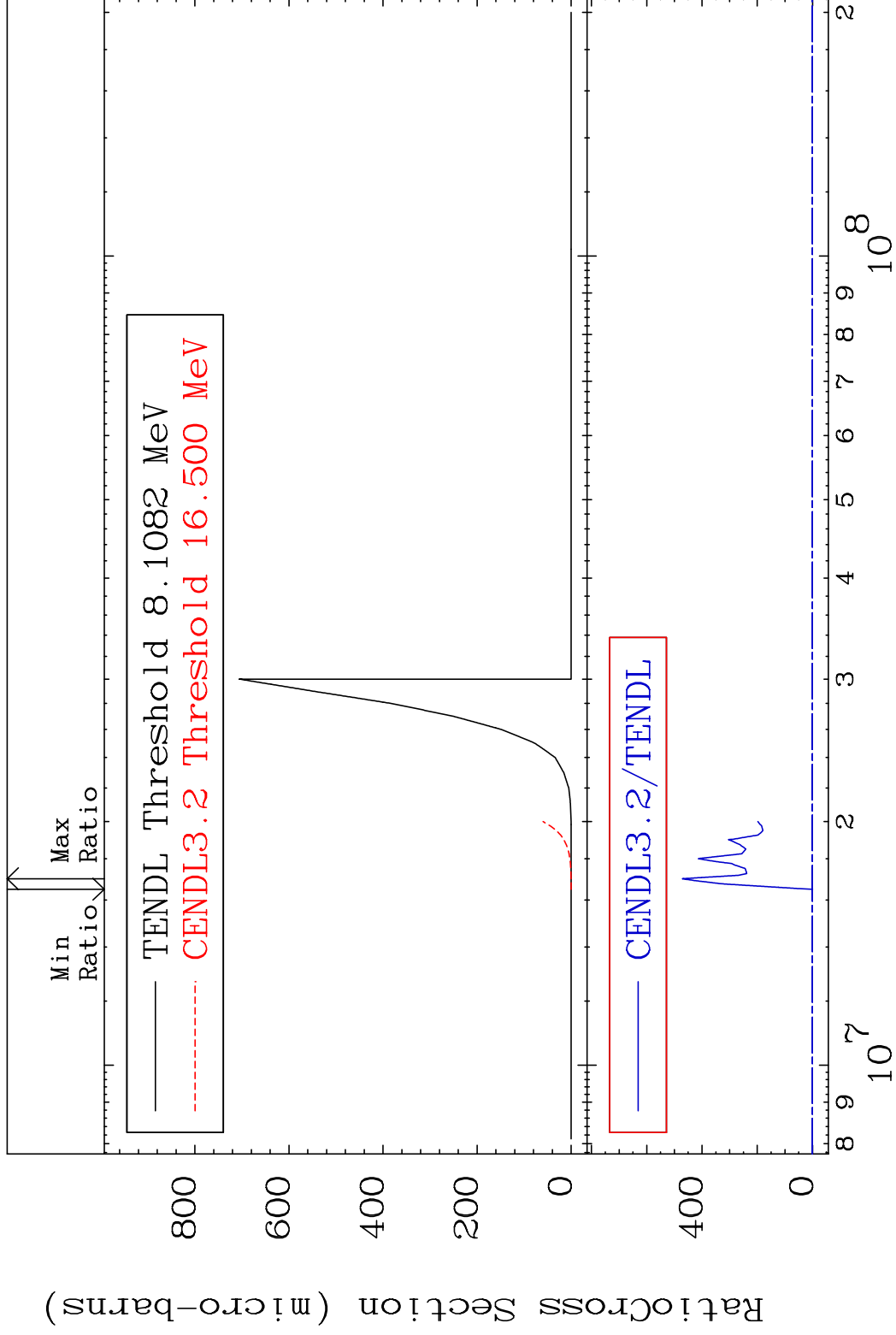


MAT 5528

(n, He-3)

55-Cs-134

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

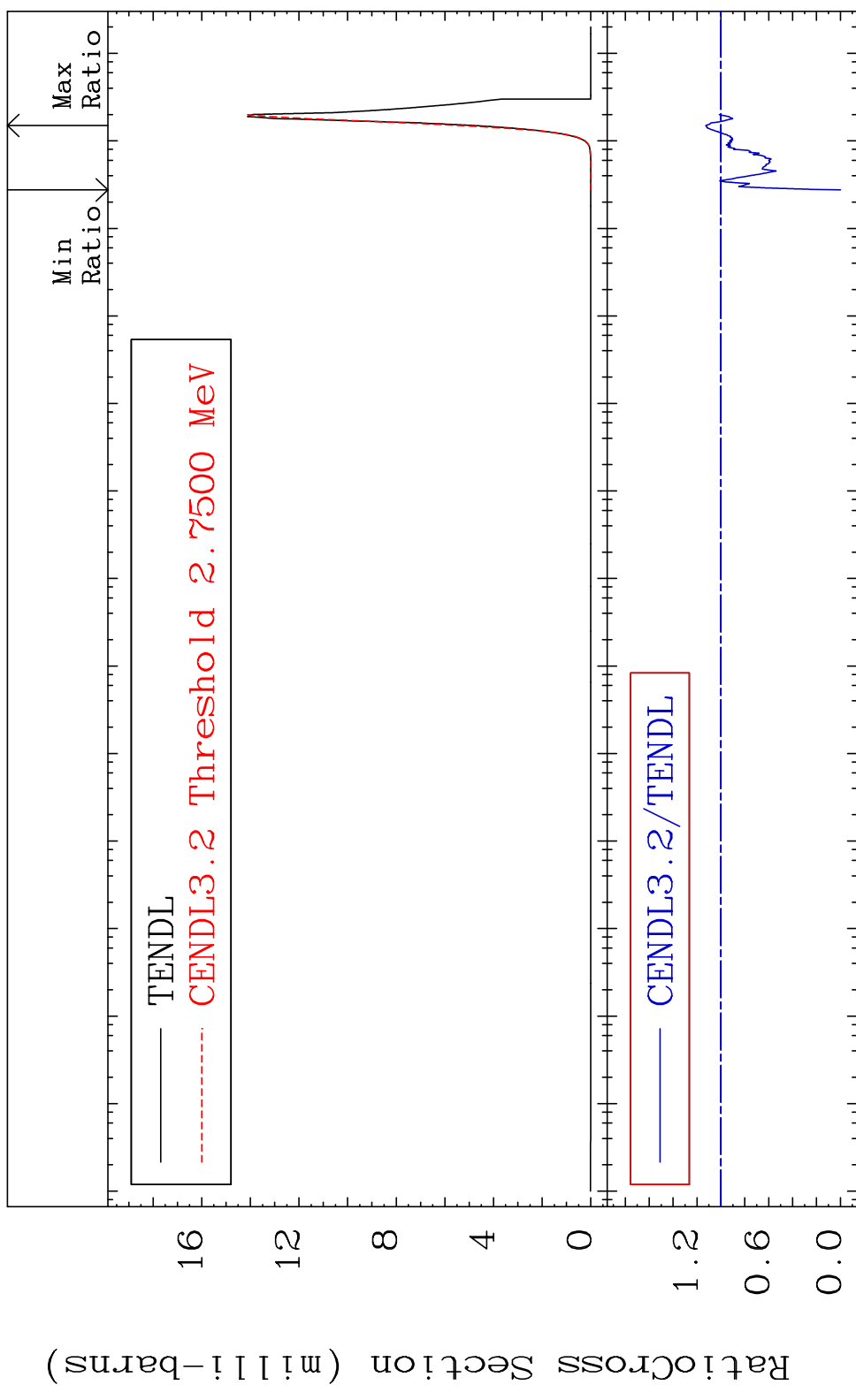
55-Cs-134

MAT 5528

(n, α)

55-Cs-134

Cross Section -100.0 To 12.68 %

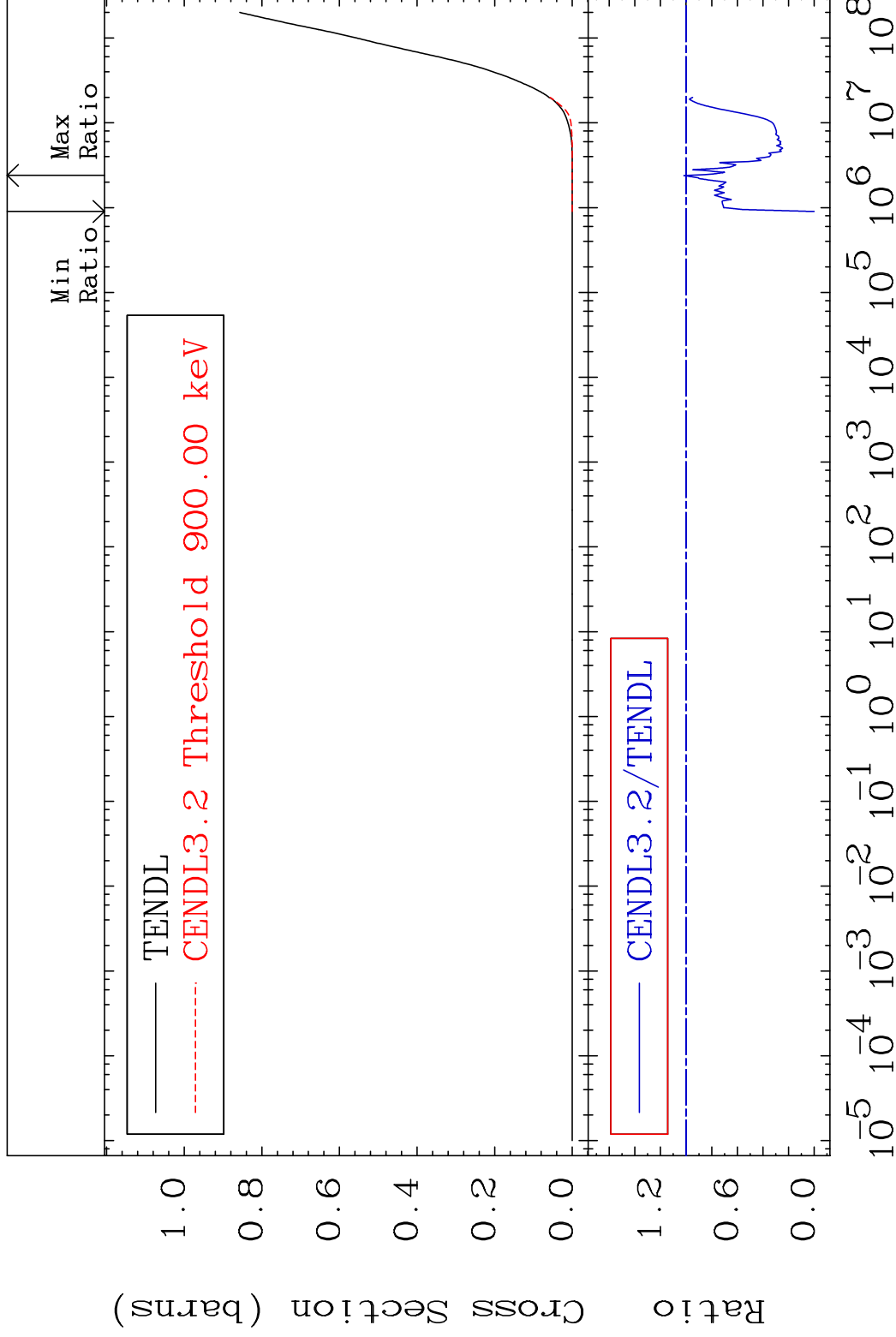


MAT 5528

Hydrogen Production

55-Cs-134

Cross Section -100.0 To 1.898 %



30

Incident Energy (eV)

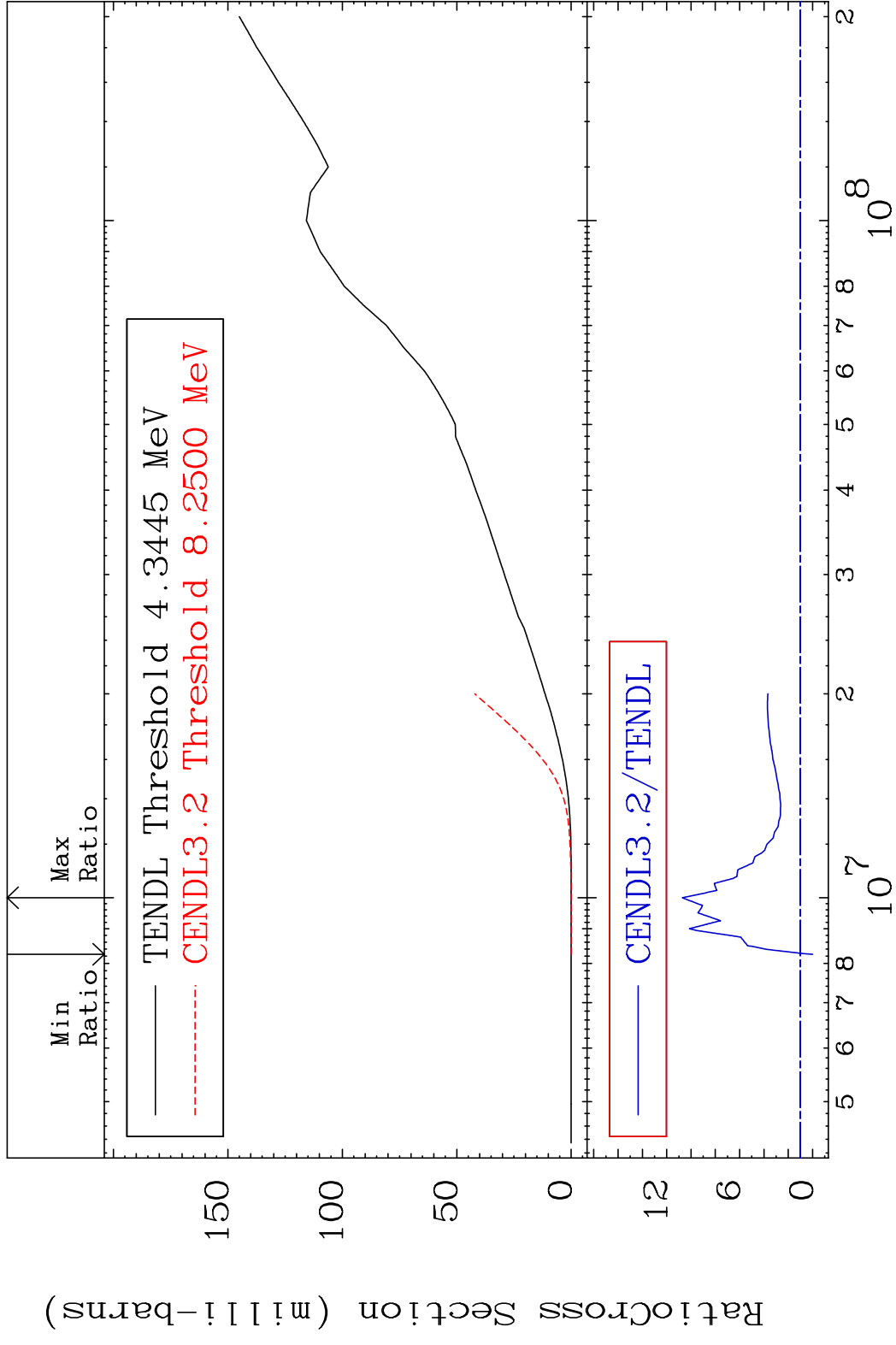
55-Cs-134

MAT 5528

Deuterium Production

55-Cs-134

Cross Section -100.0 To 971.2 %

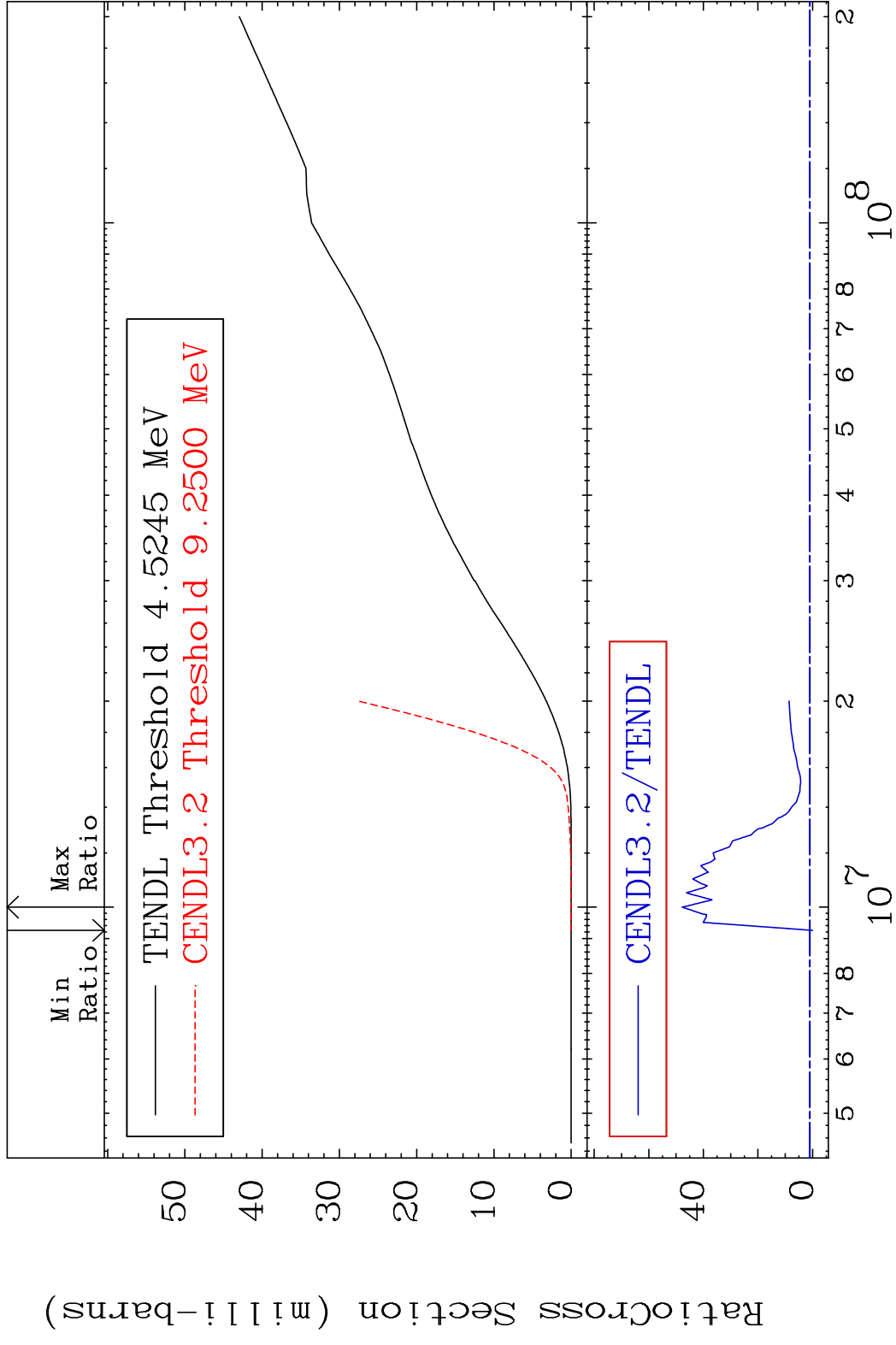


31

Incident Energy (eV)

55-Cs-134

MAT 5528 Tritium Production 55-Cs-134
 Cross Section -100.0 To 4671. %

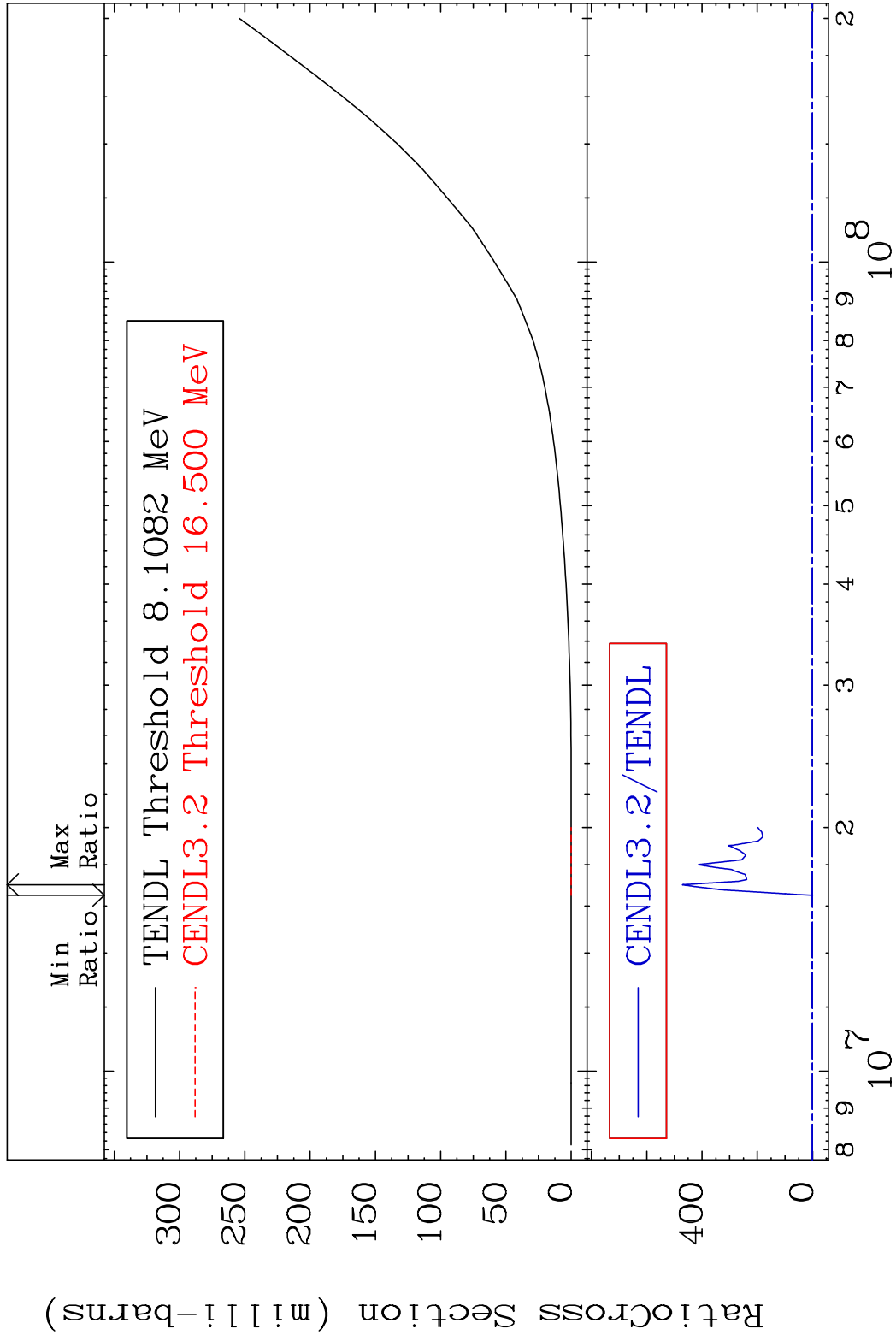


MAT 5528

He-3 Production

55-Cs-134

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

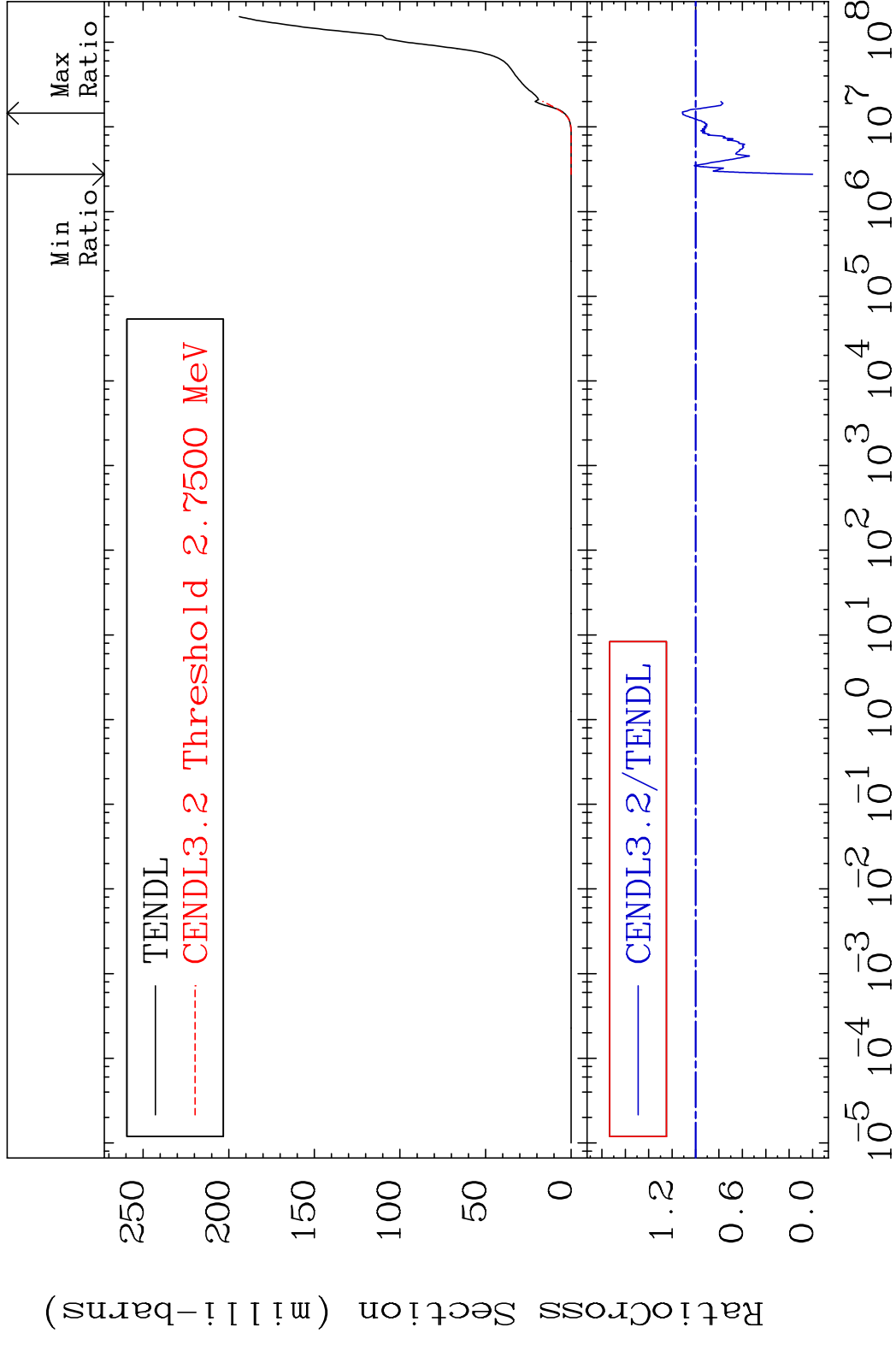
55-Cs-134

MAT 5528

He-4 Production

55-Cs-134

Cross Section -100.0 To 11.27 %

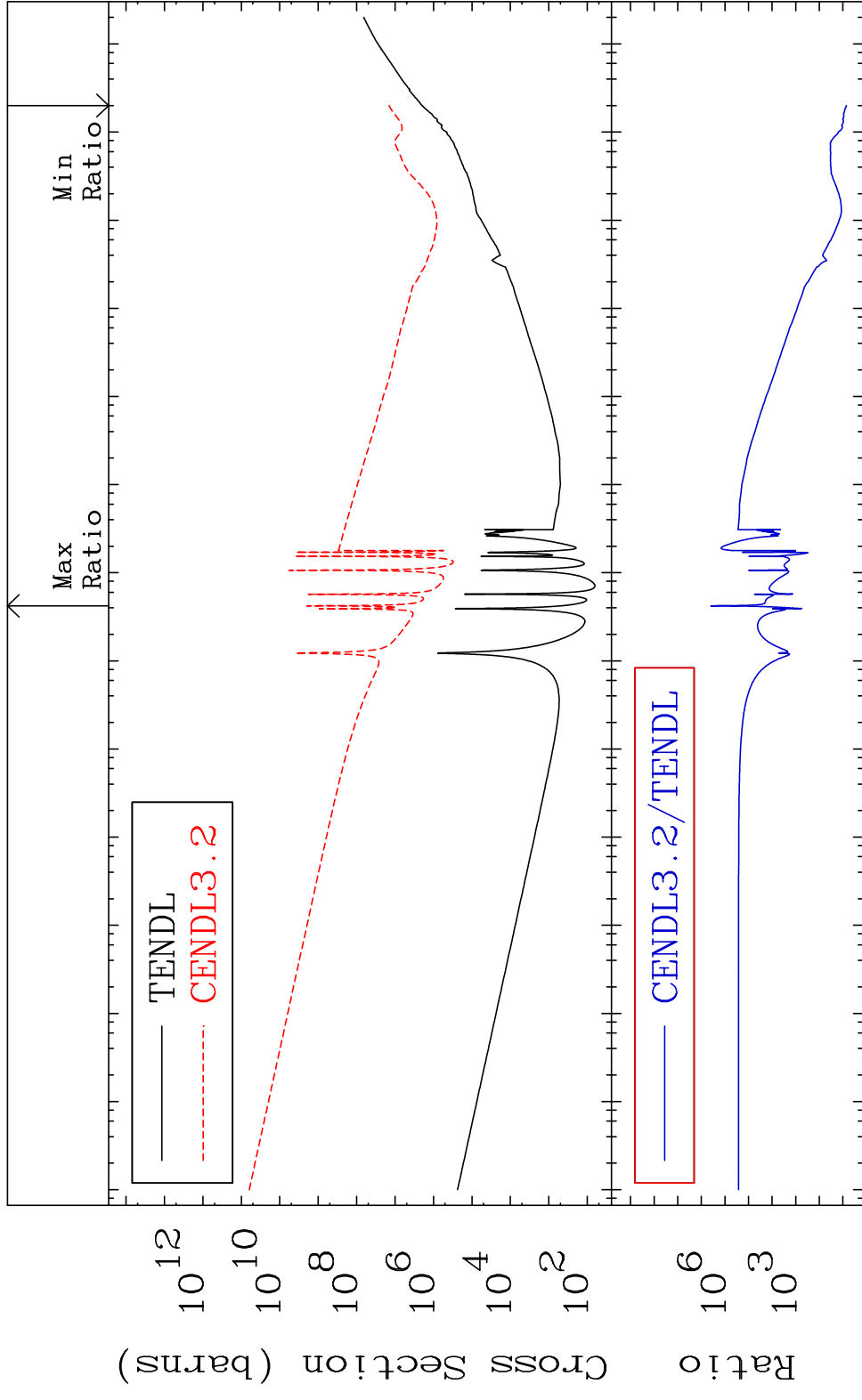


34

Incident Energy (eV)

55-Cs-134

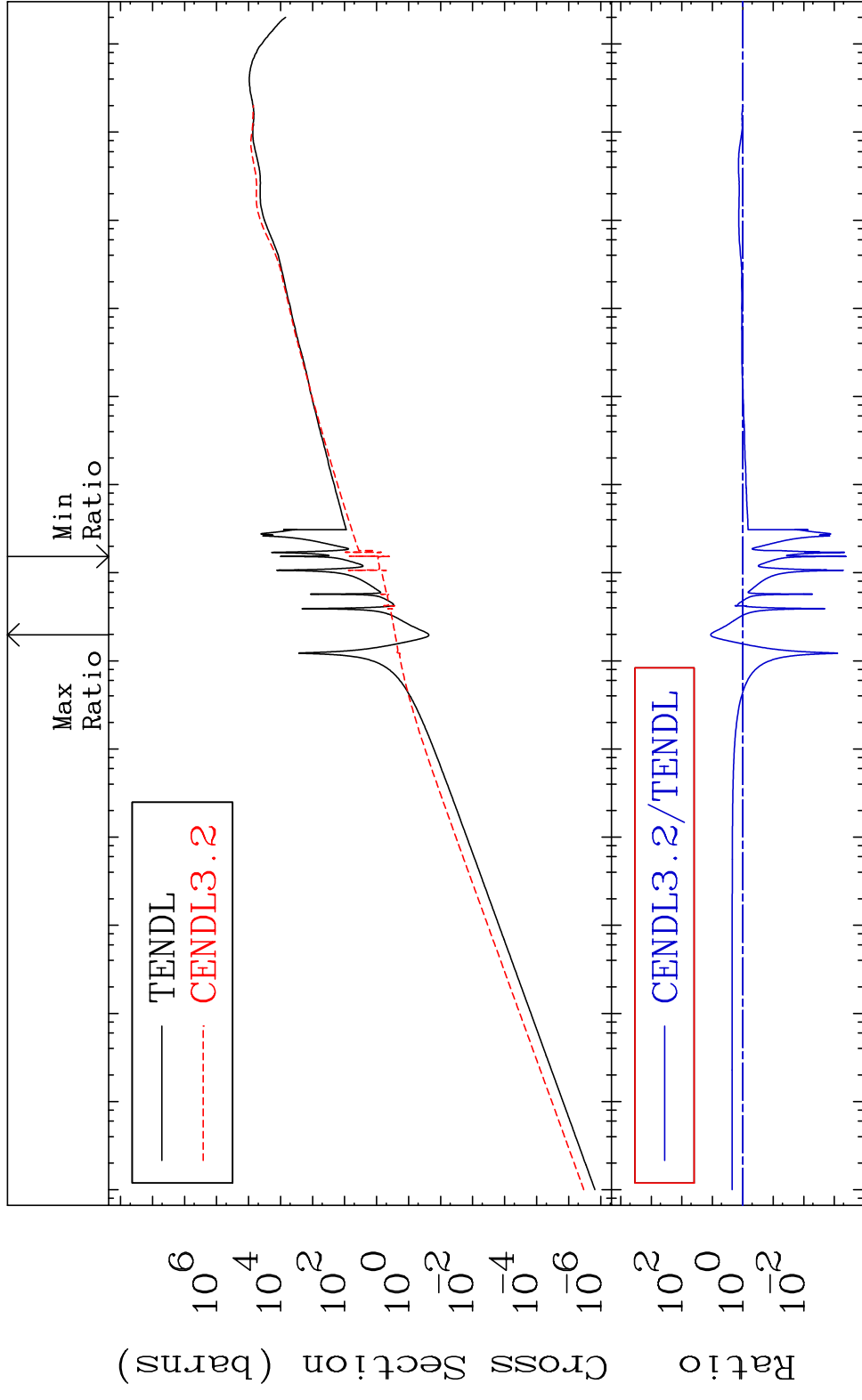
MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section 613.5 To 9999. %



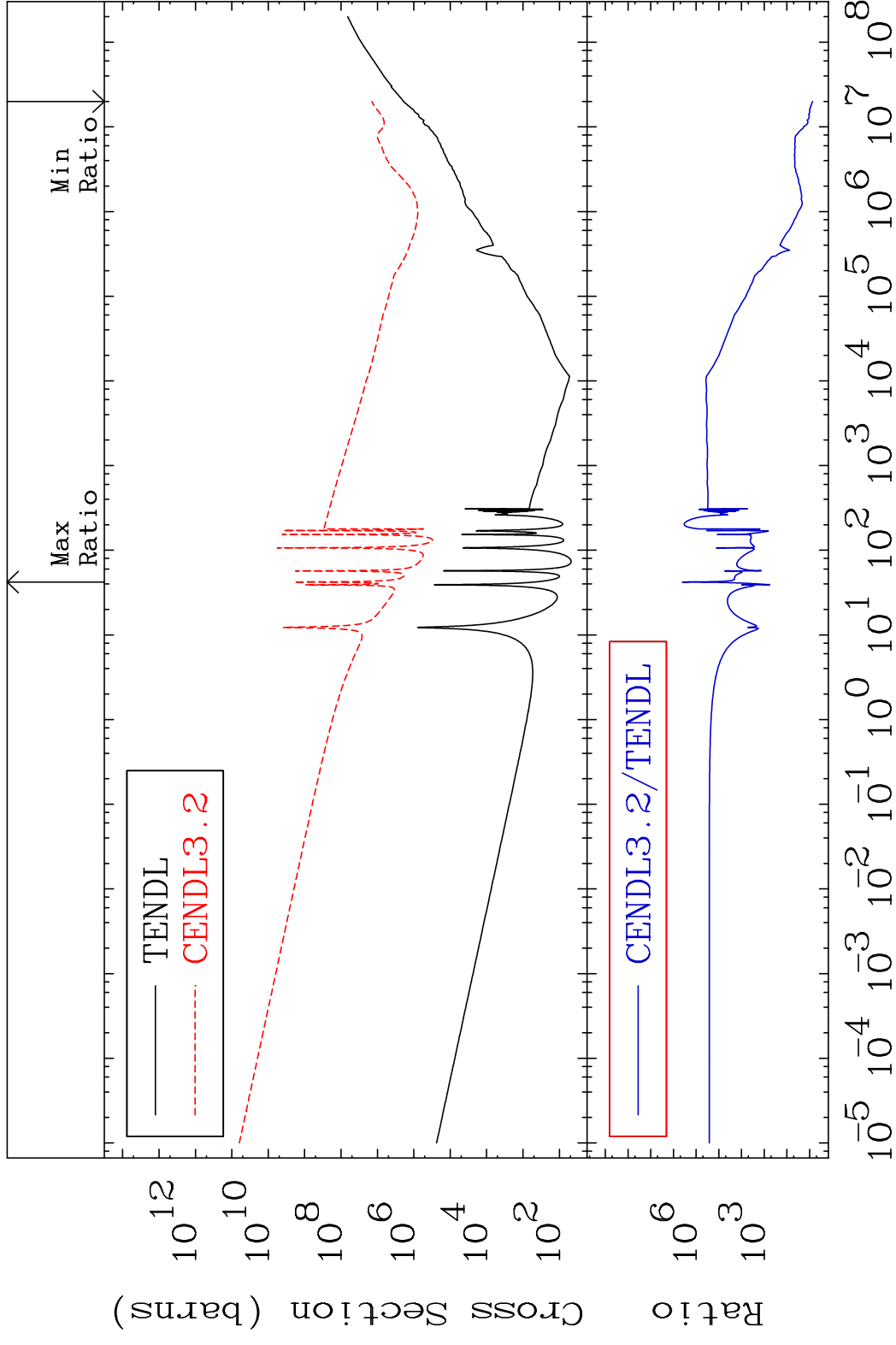
MAT 5528

Kerma elastic Cross Section -99.96 To 1027. %

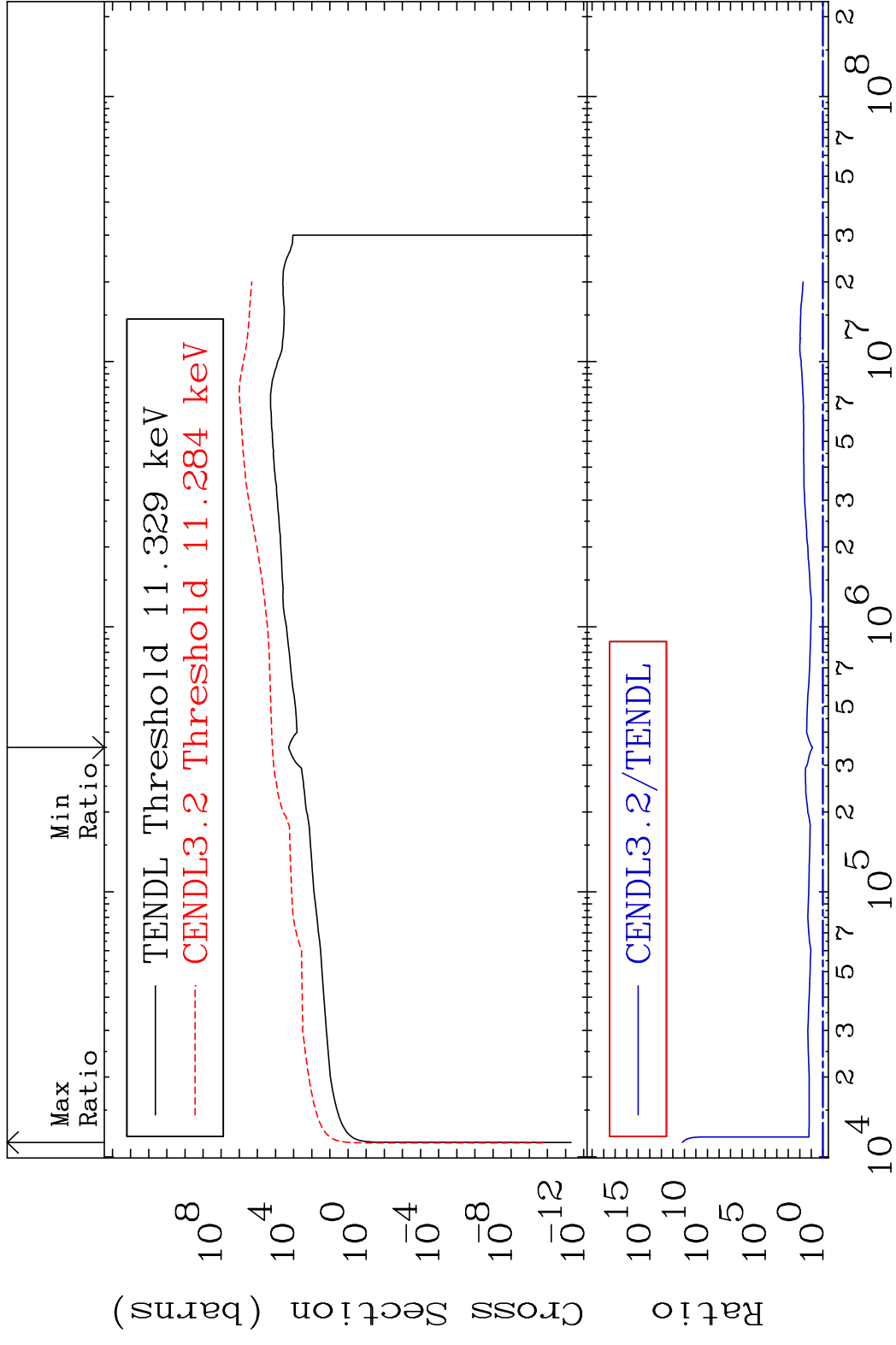
55-Cs-134



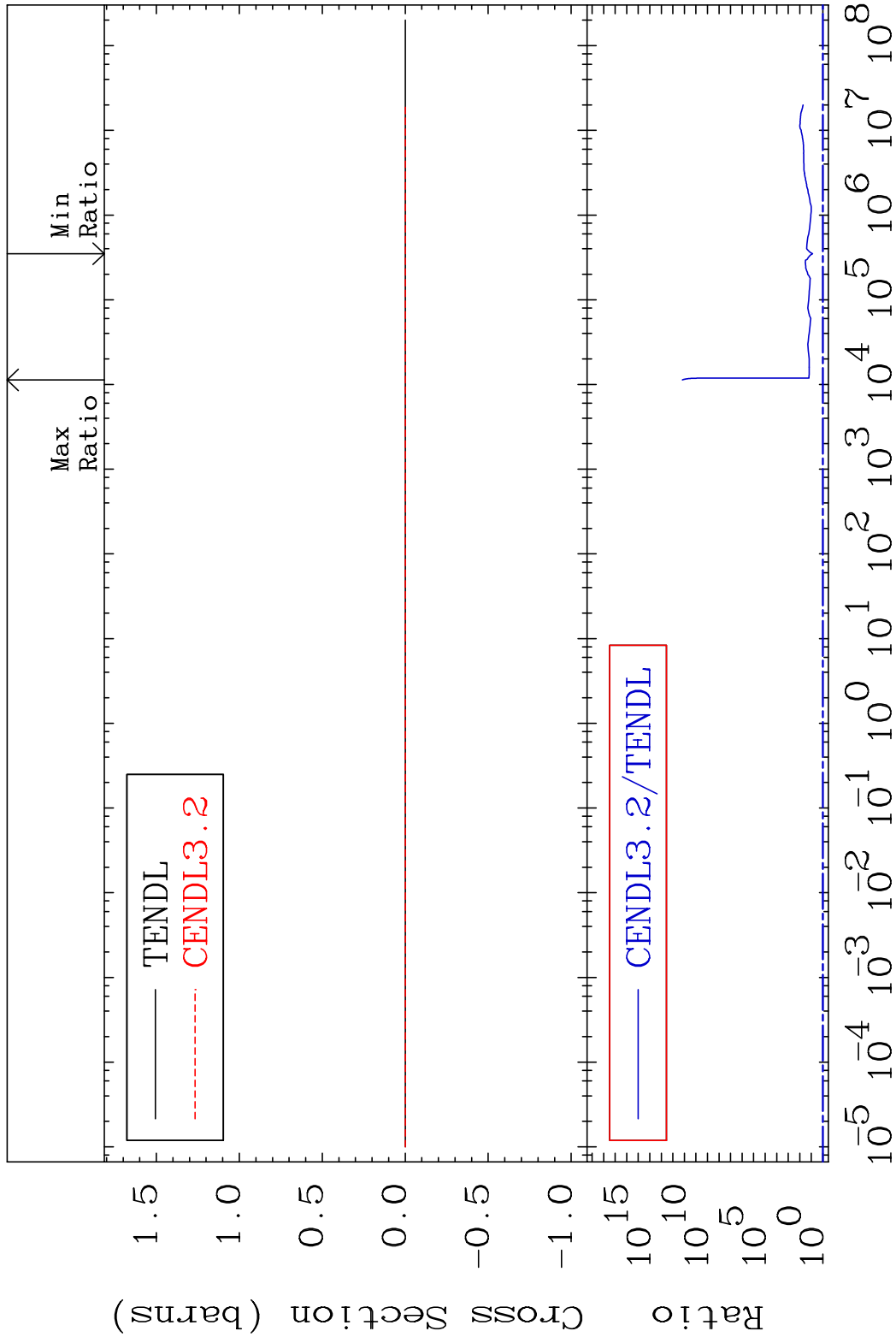
MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section 636.7 To 9999. %



MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
 Cross Section 683.9 To 9999. %

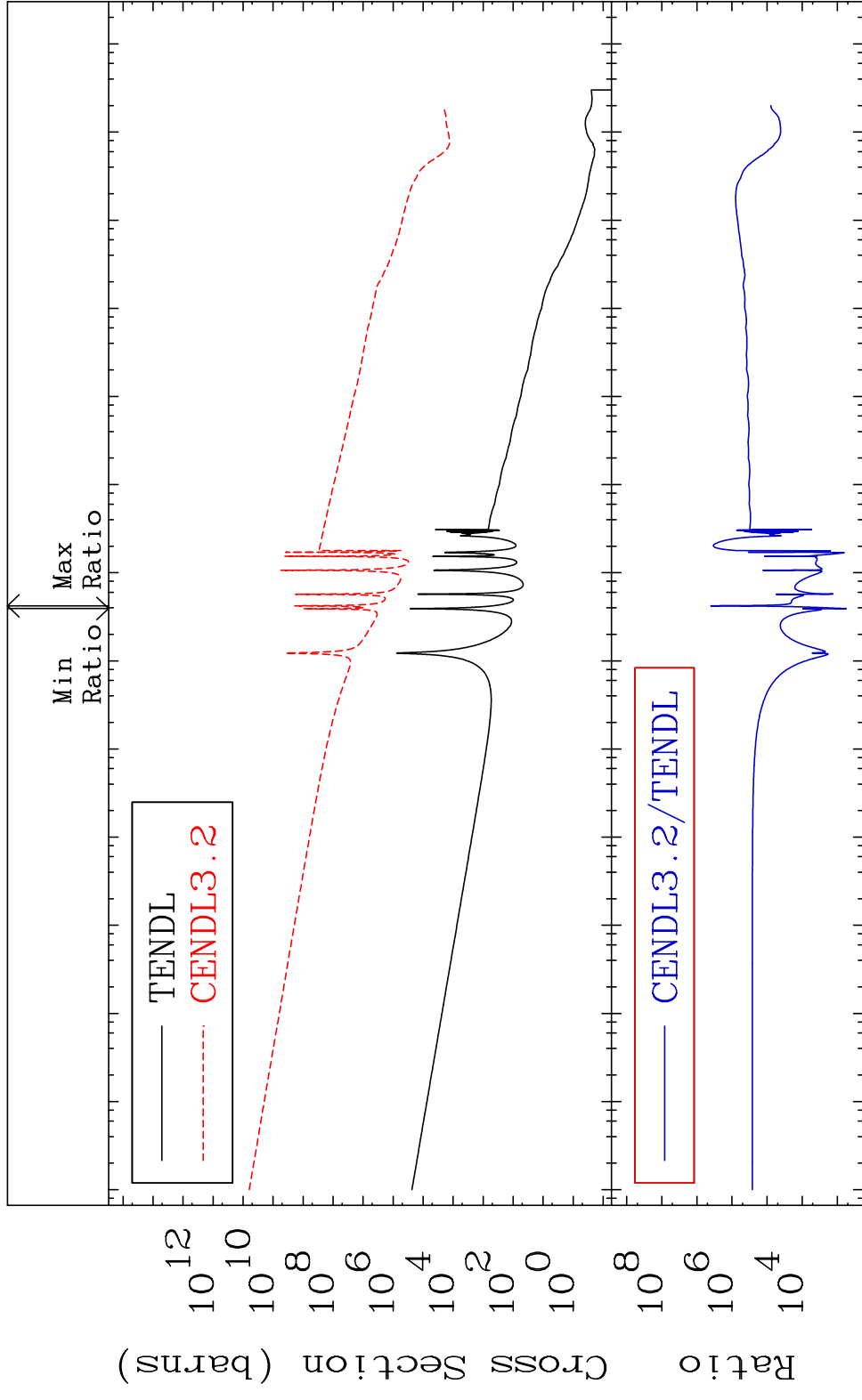


MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
 Cross Section 683.9 To 9999. %



MAT 5528

Kerma capture (mt102) 55-Cs-134
Cross Section 9999. To 9999. %

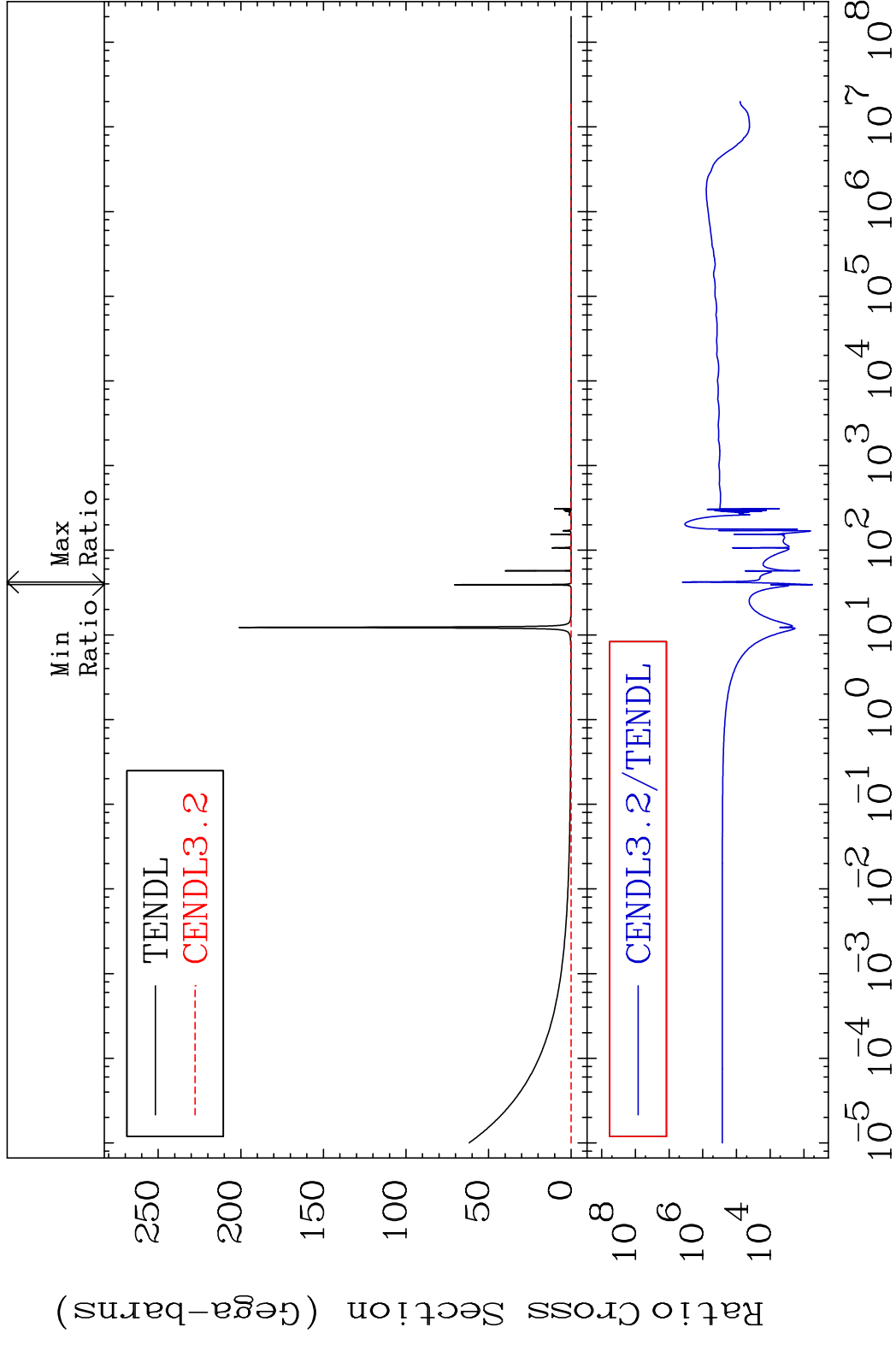


40

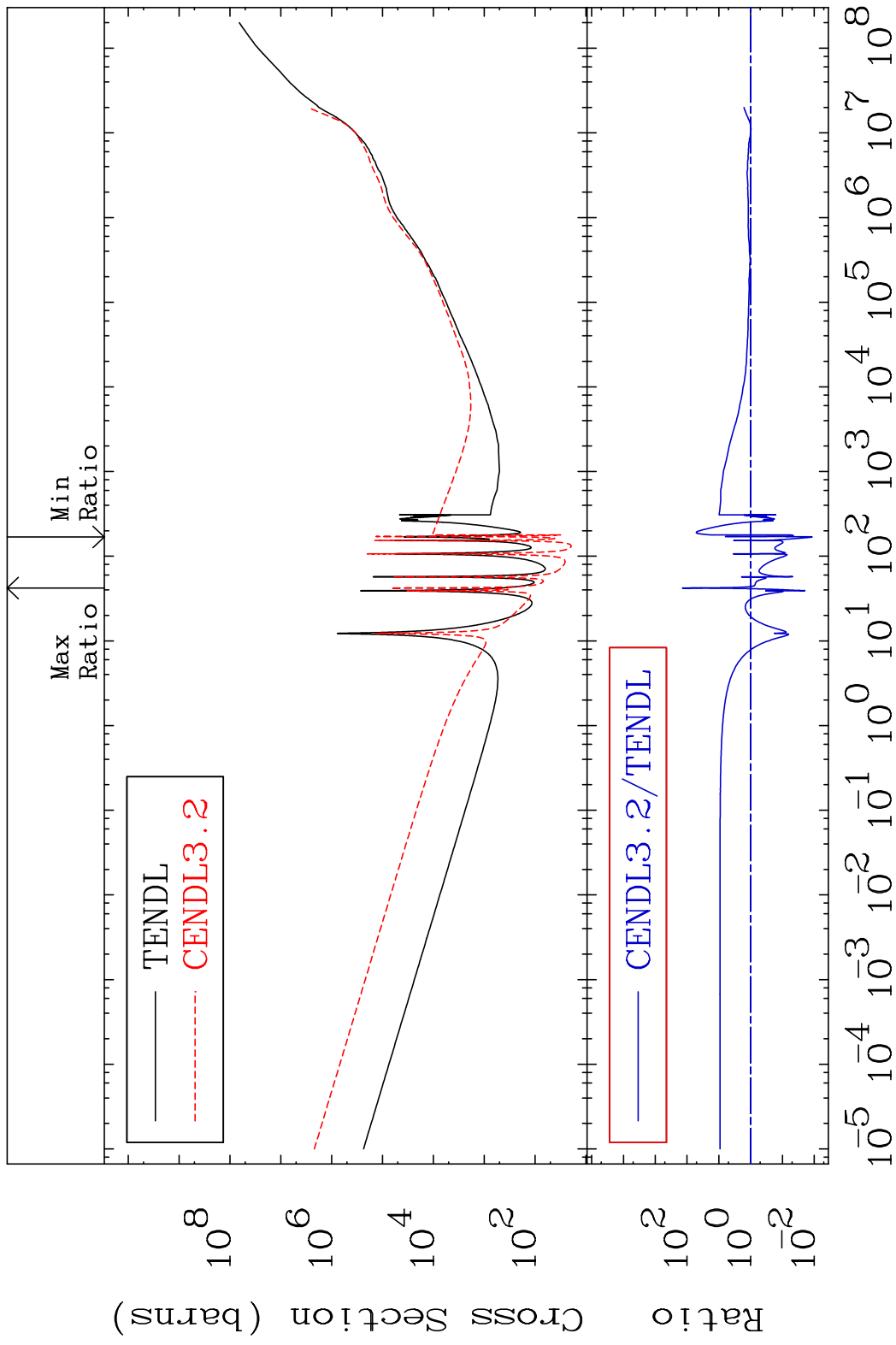
Incident Energy (eV)

55-Cs-134

MAT 5528 Total photon (eV-barns) 55-Cs-134
 Cross Section 9999. To 9999. %



MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
 Cross Section -98.87 To 9999. %

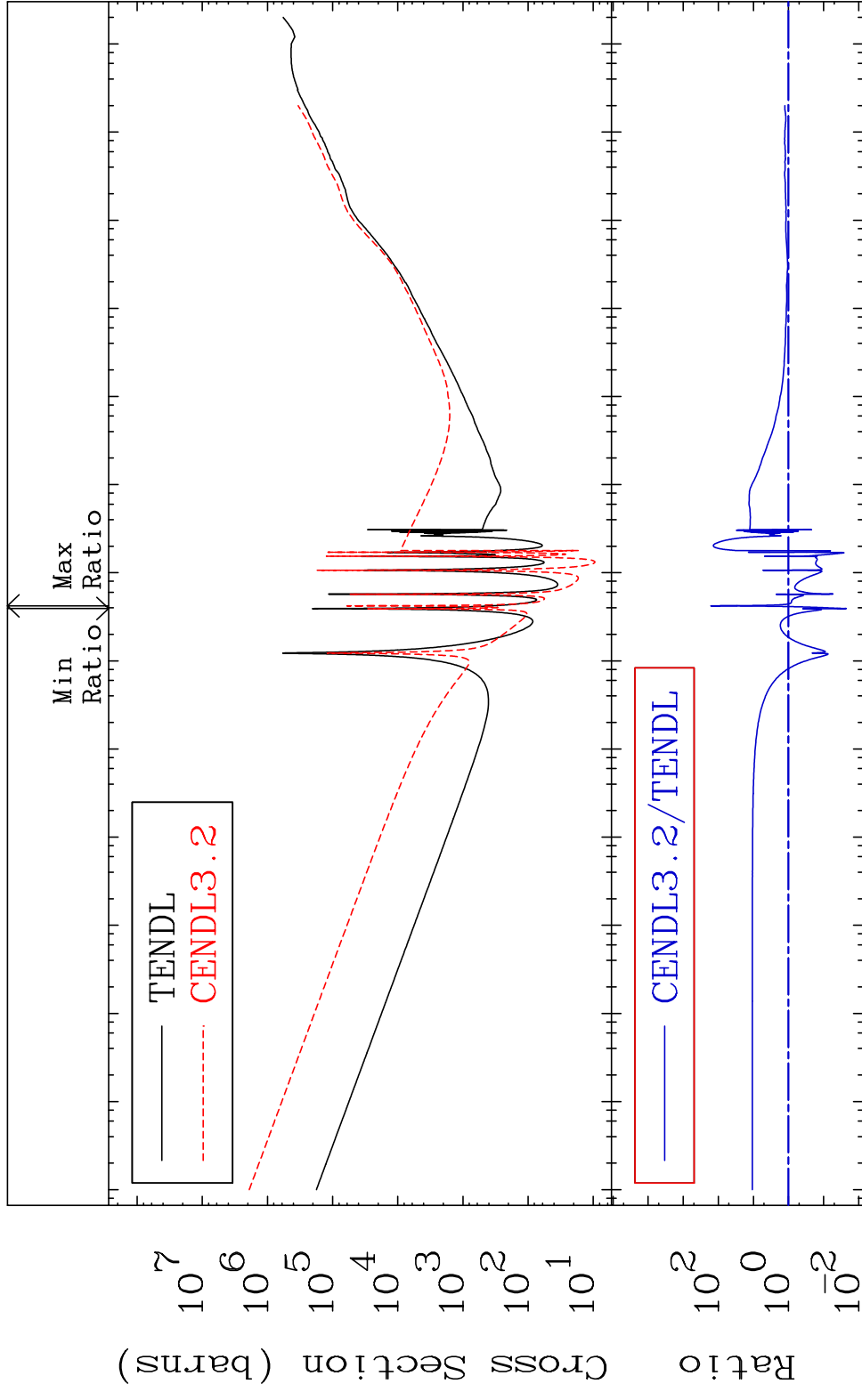


MAT 5528

Dpa total (eV-barns)

55-Cs-134

Cross Section -97.75 To 9999. %



43

Incident Energy (eV)

55-Cs-134

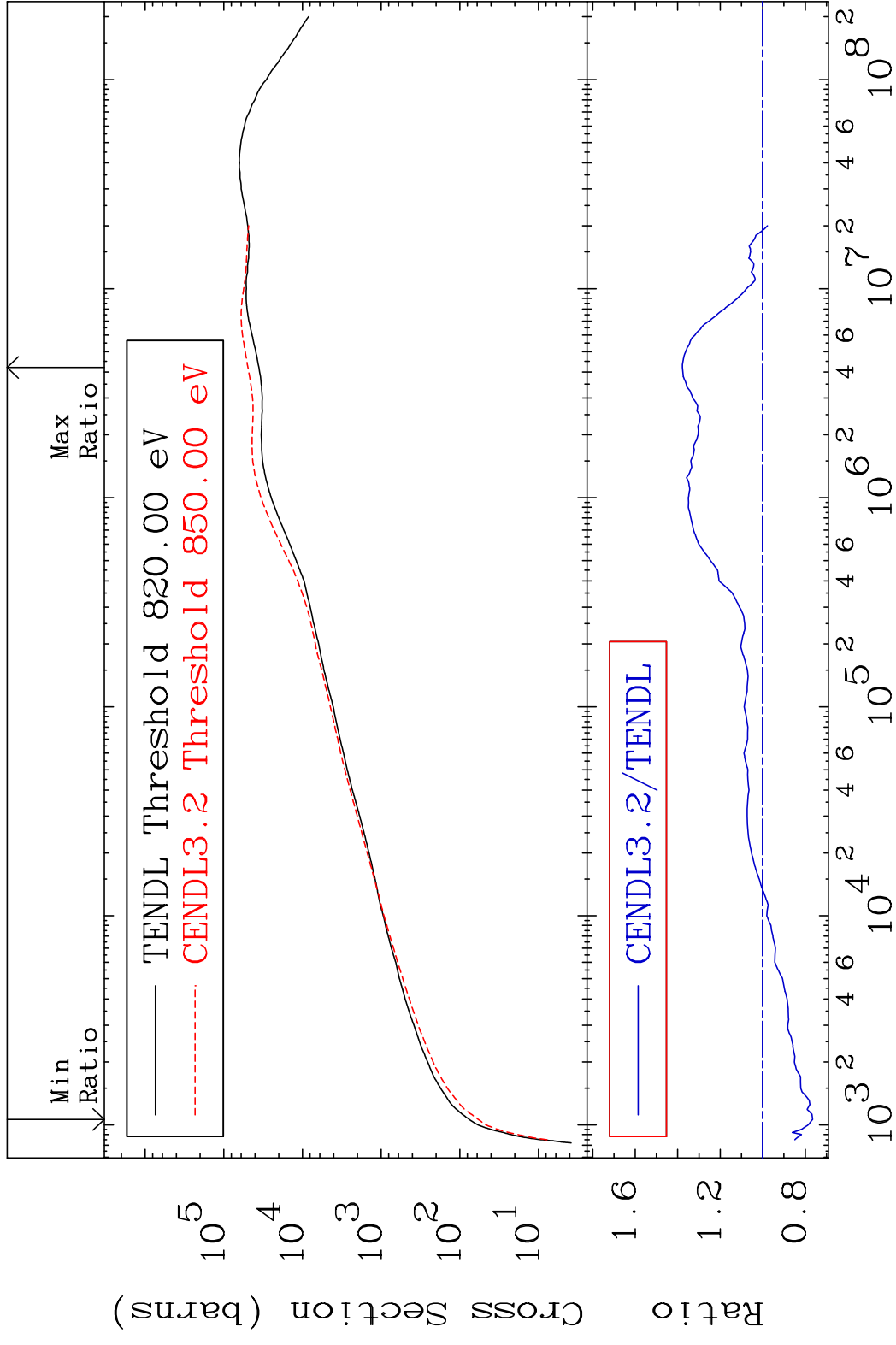
MAT 5528

Dpa elastic (mt2)

55-Cs-134

Cross Section

-23.46 To 37.80 %

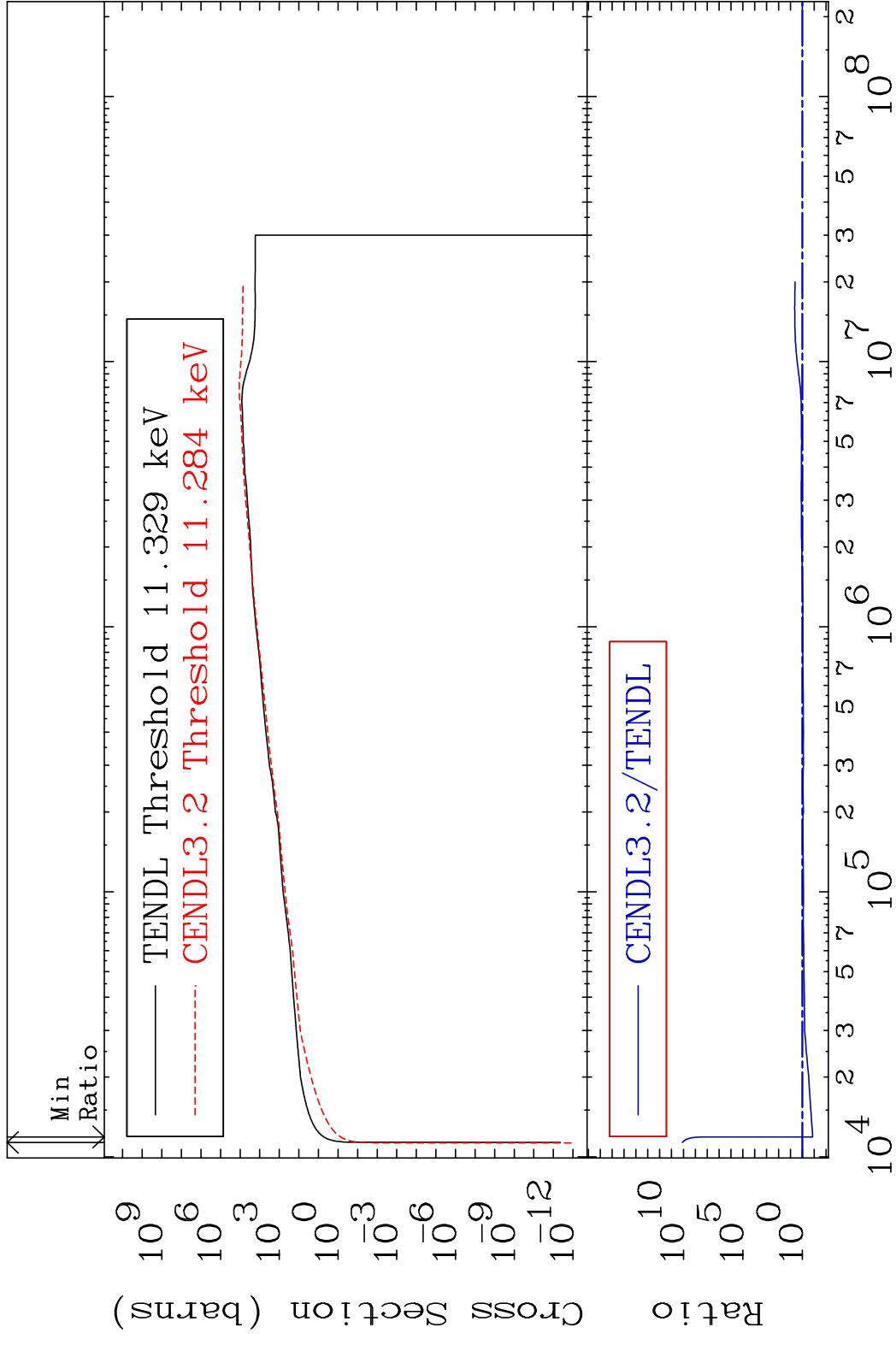


44

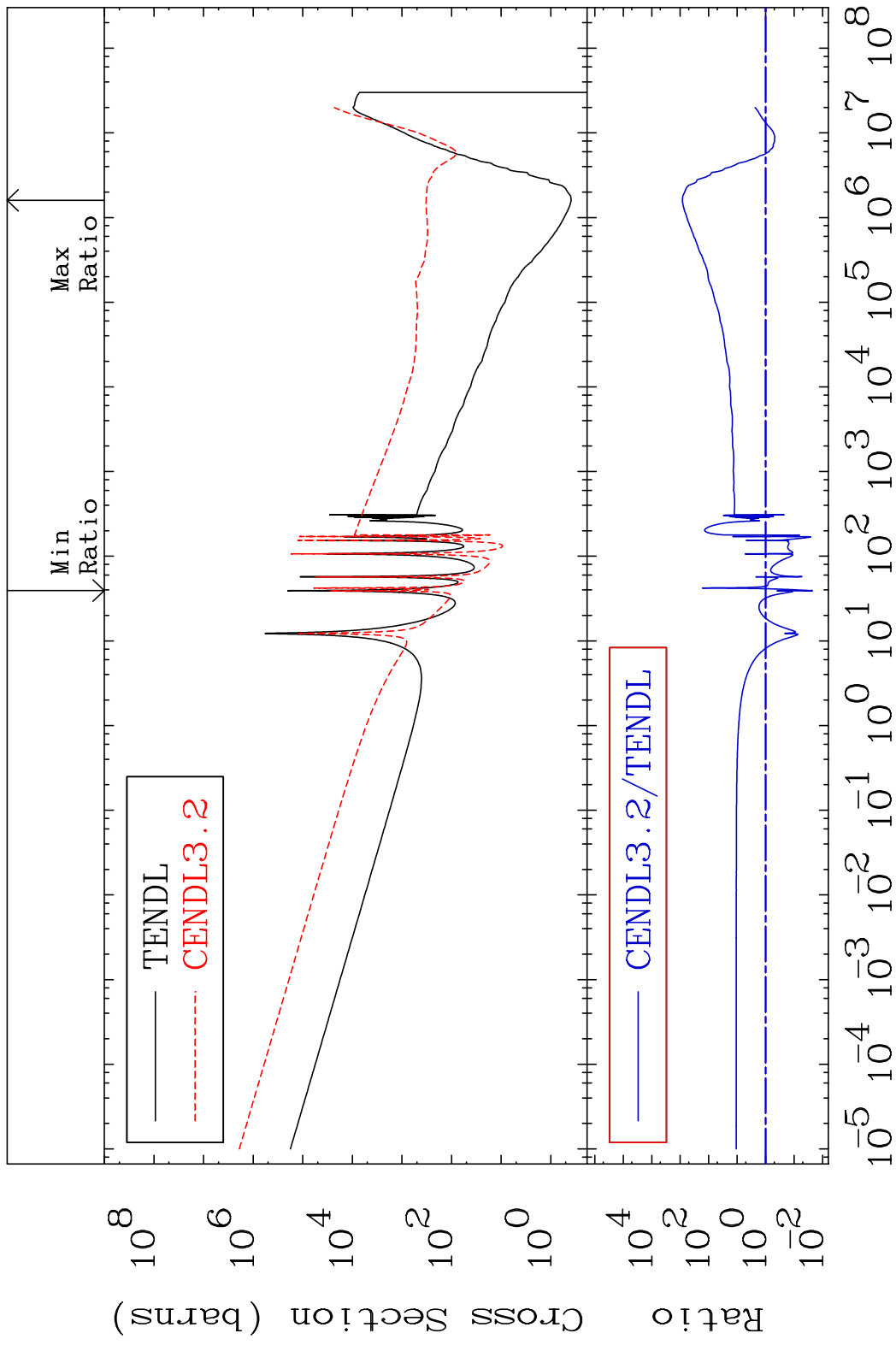
Incident Energy (eV)

55-Cs-134

MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
 Cross Section -86.28 To 9999. %



MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
 Cross Section -97.75 To 9999. %

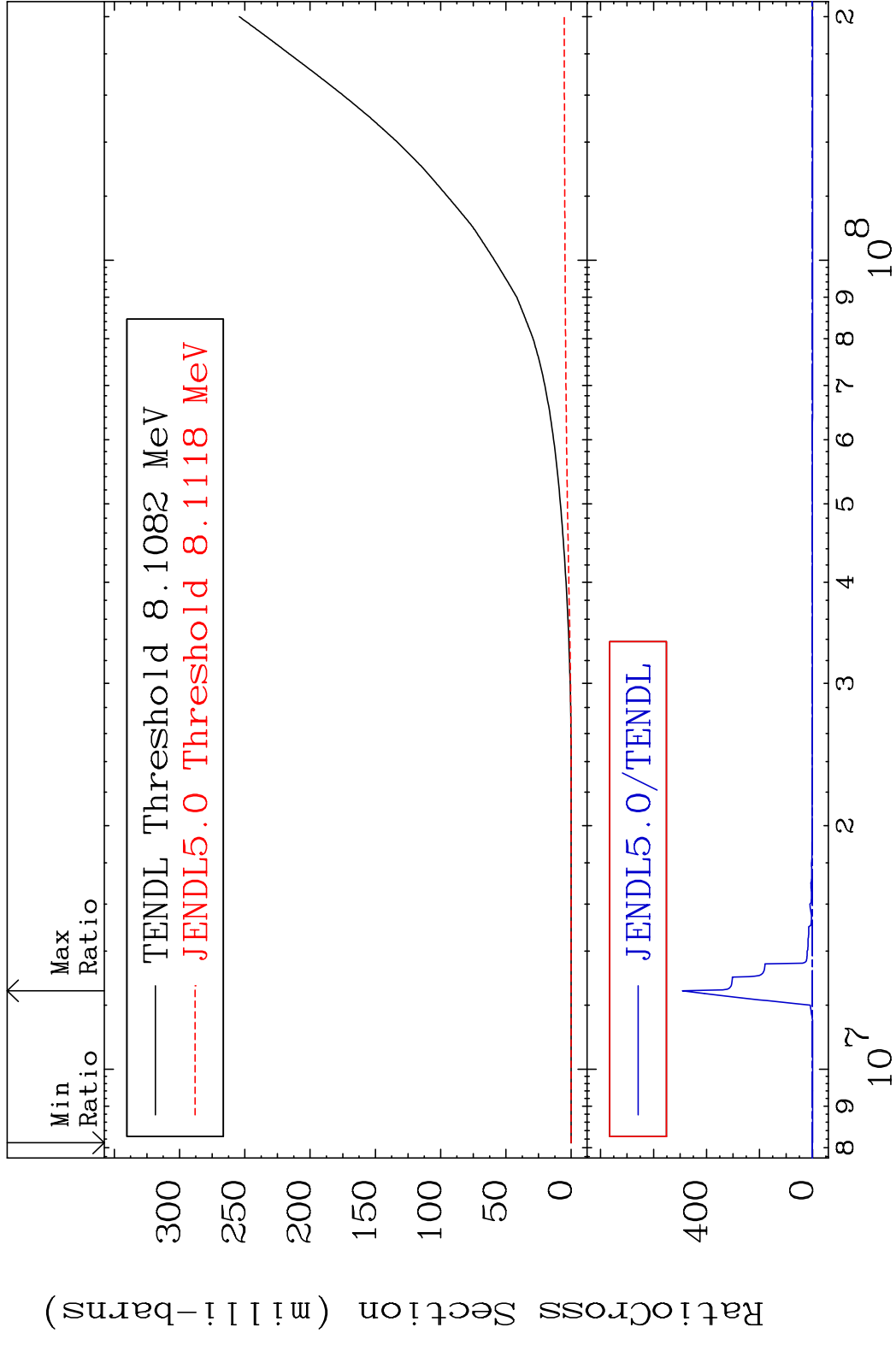


MAT 5528

He-3 Production

55-Cs-134

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

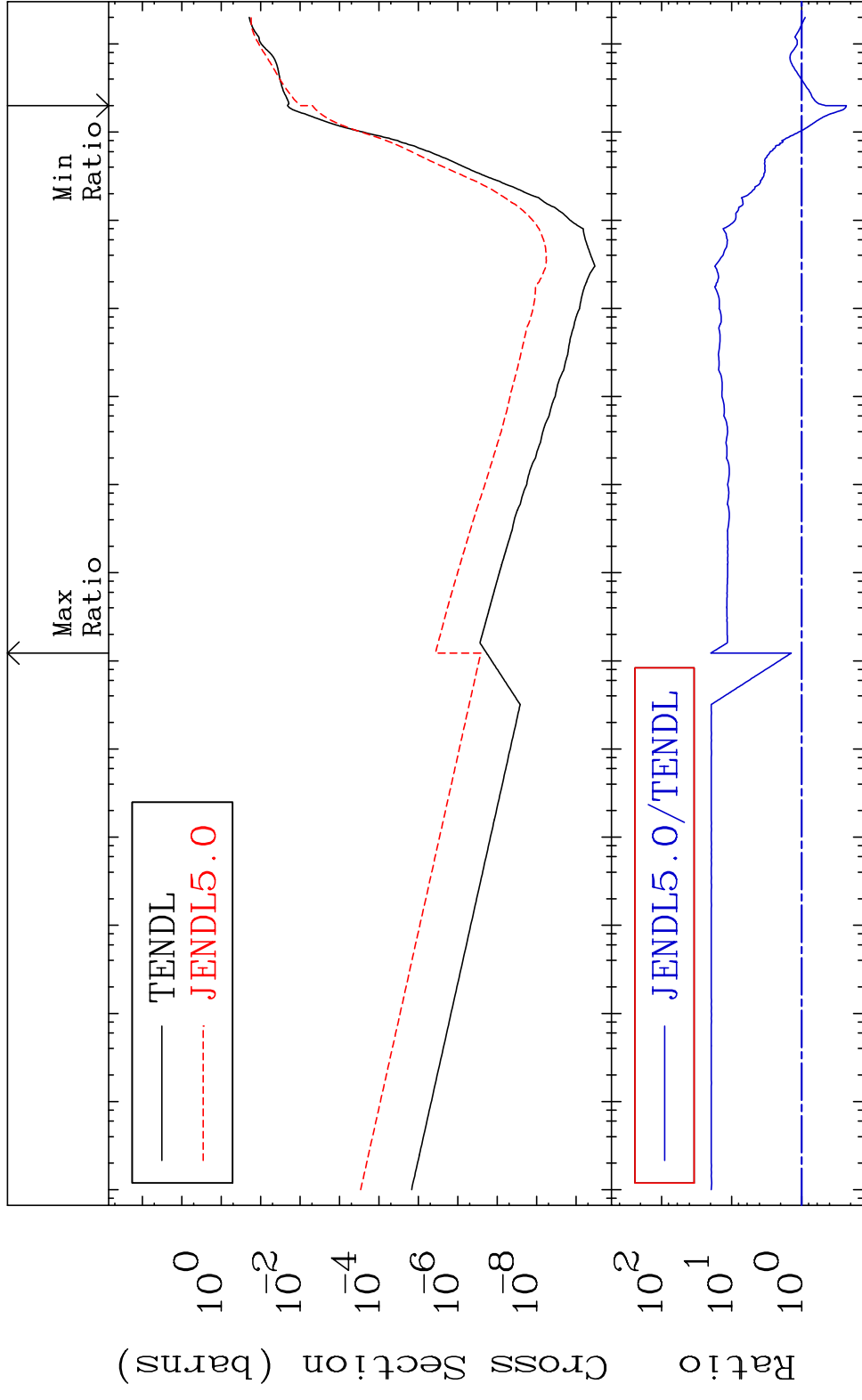
55-Cs-134

MAT 5528

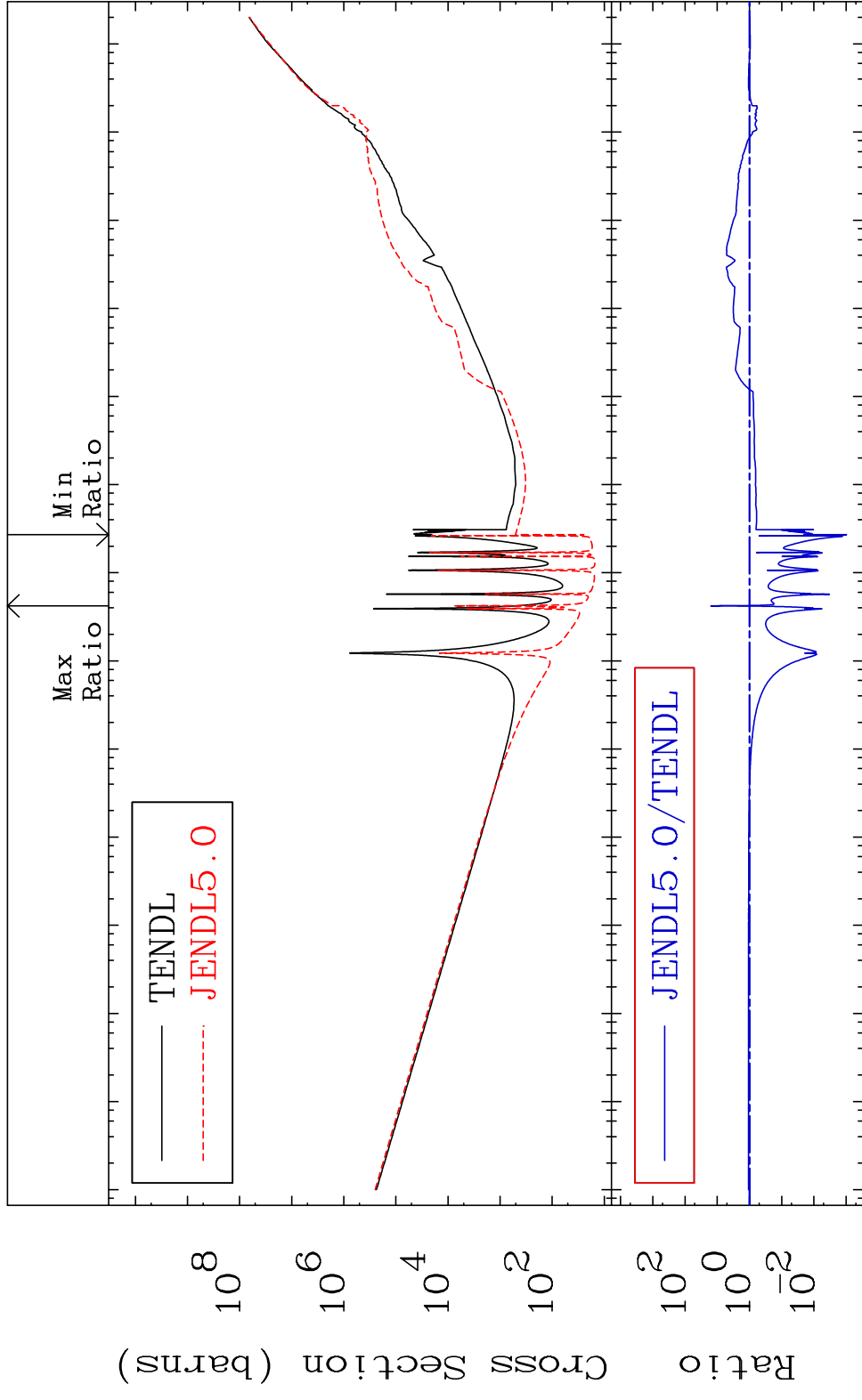
He-4 Production

55-Cs-134

Cross Section -76.93 To 1891. %



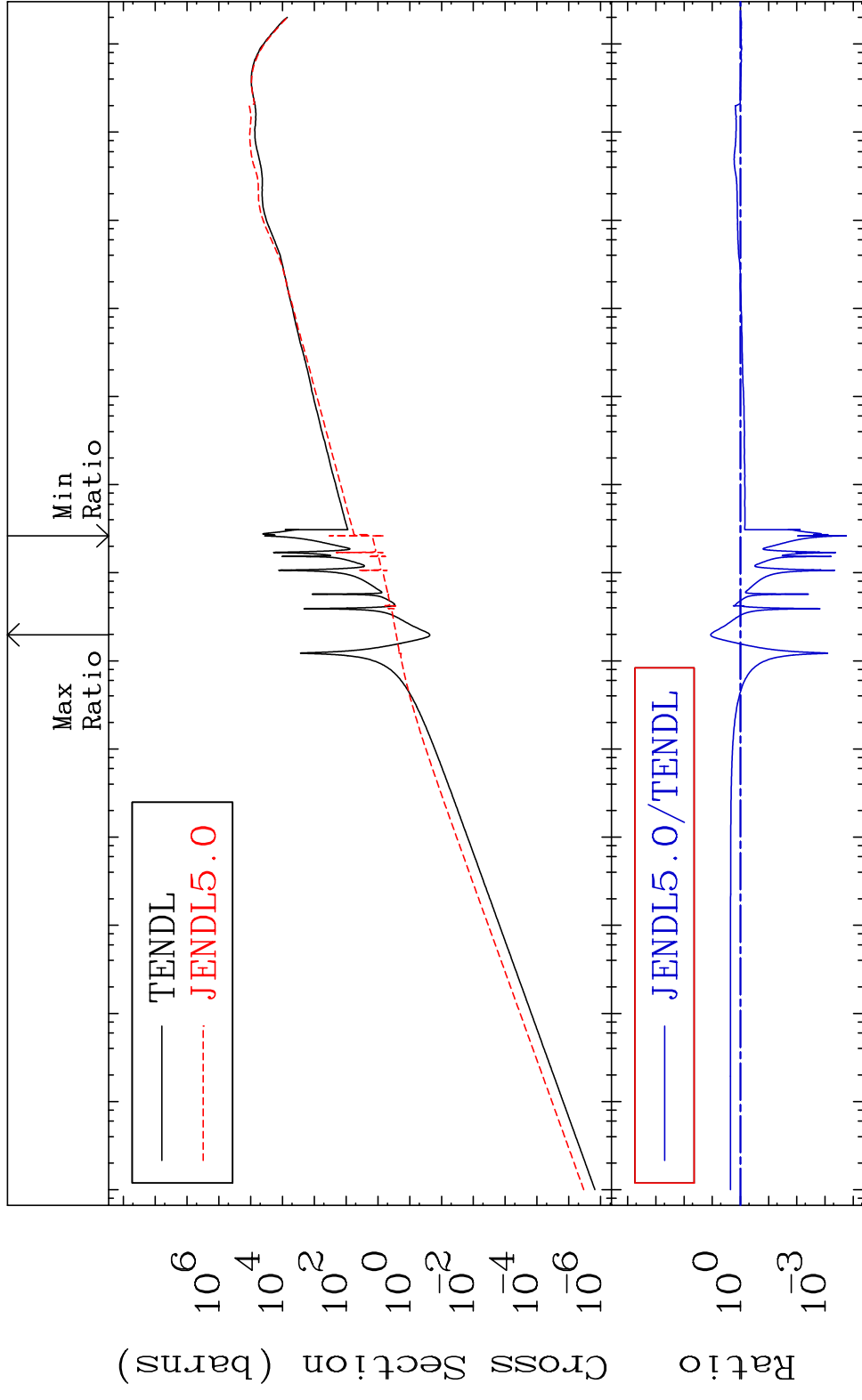
MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section -99.90 To 1494. %



49 Incident Energy (eV) 55-Cs-134

MAT 5528

Kerma elastic Cross Section -99.98 To 1033. %
55-Cs-134

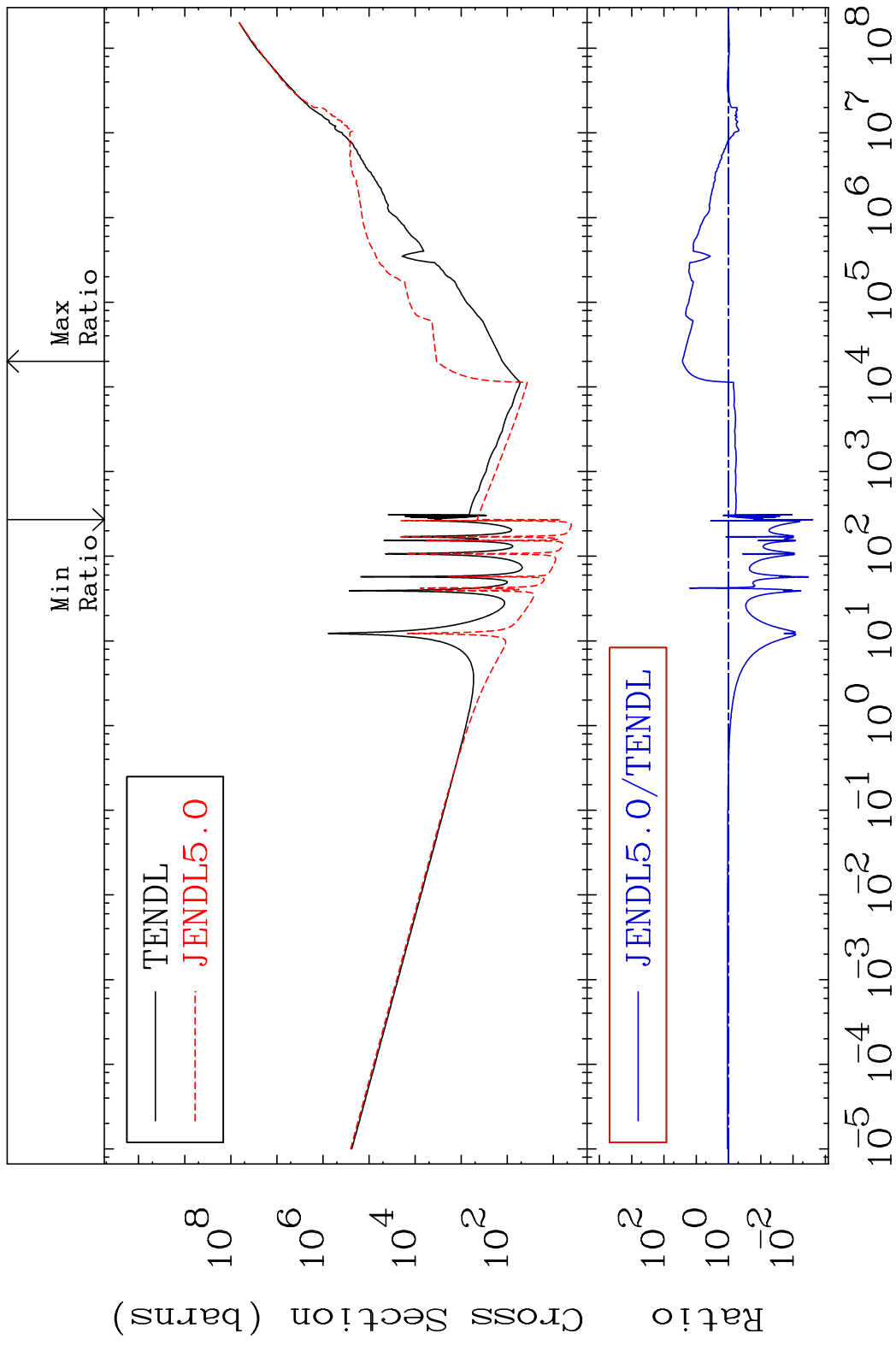


50

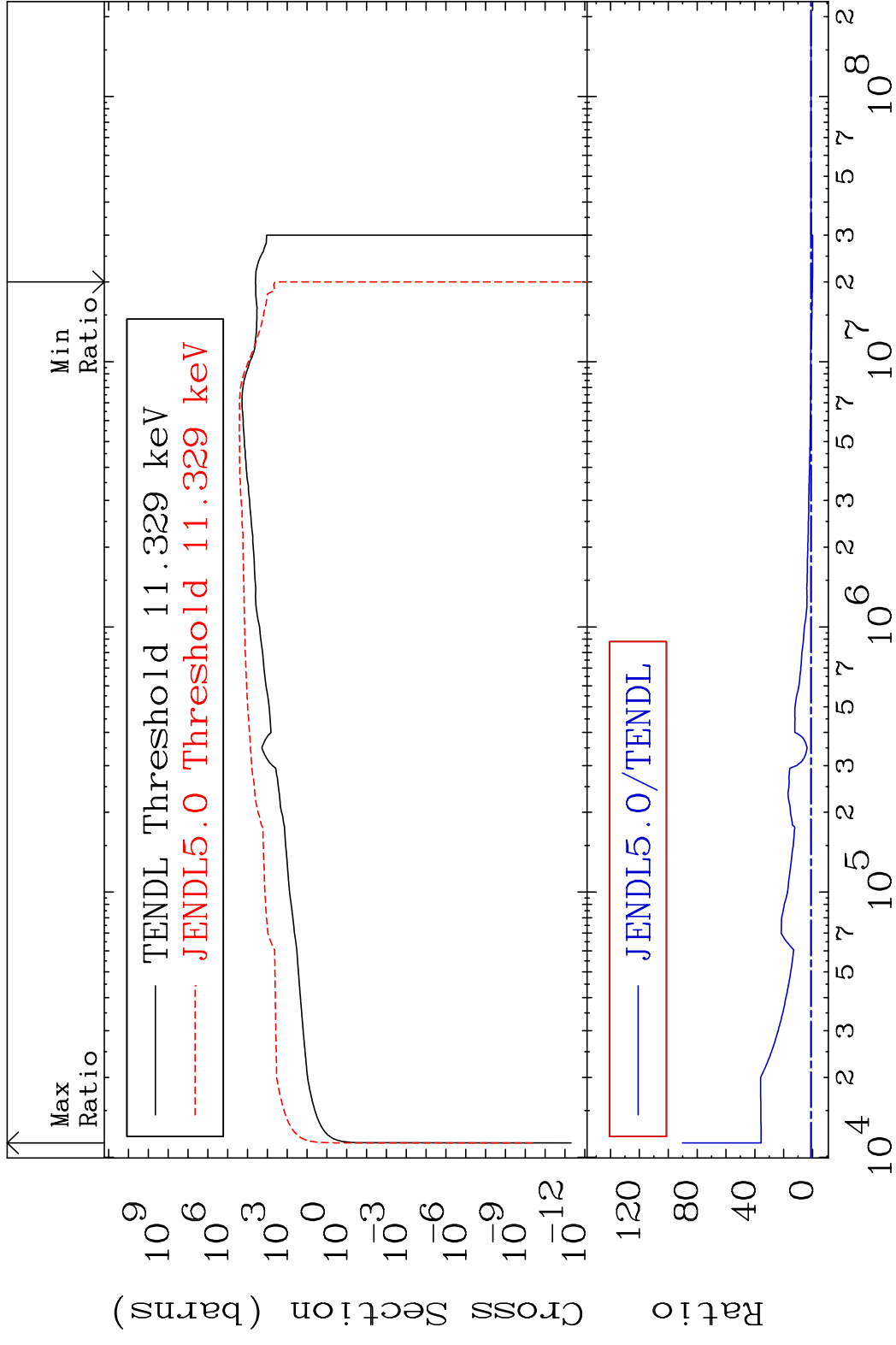
Incident Energy (eV)

55-Cs-134

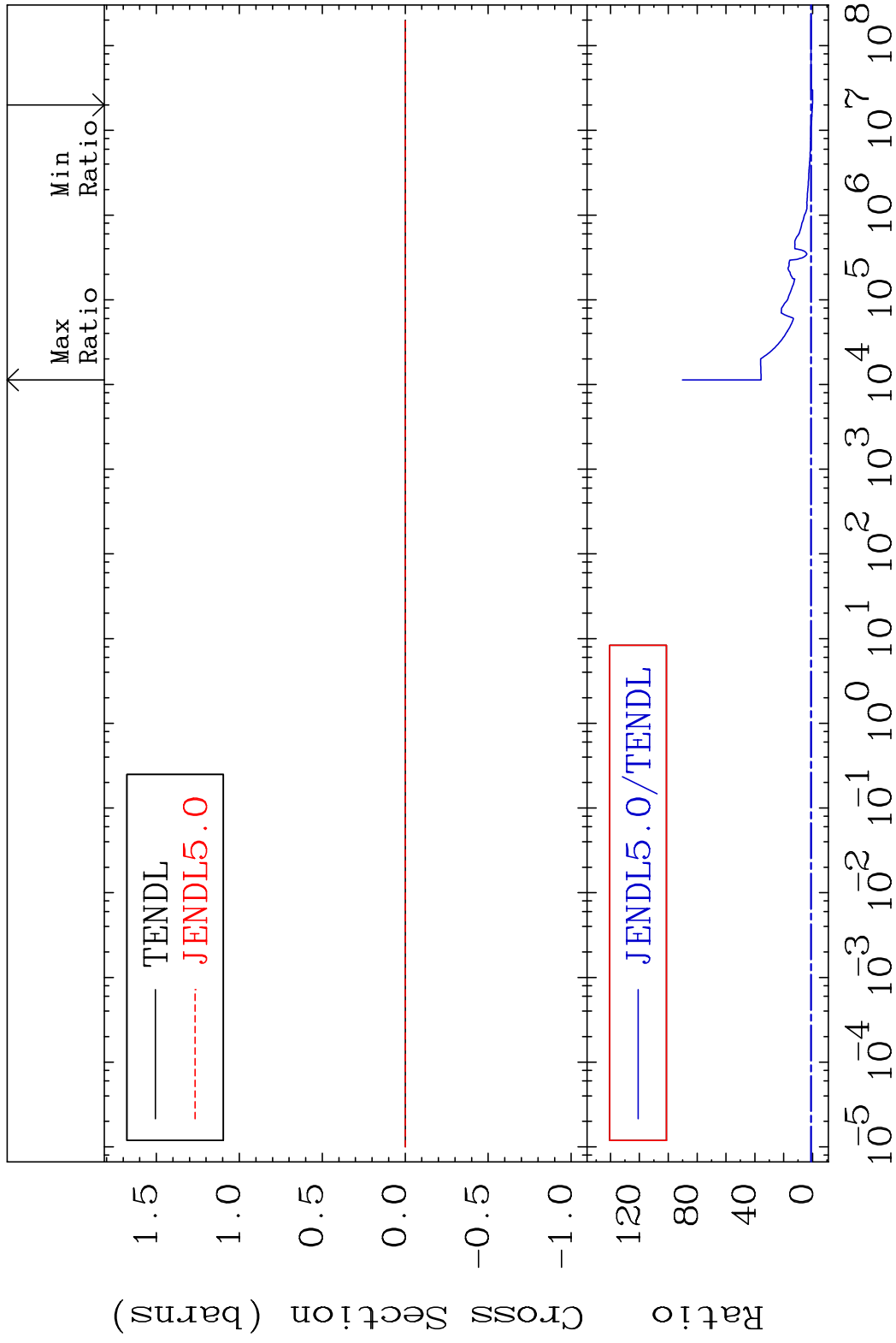
MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section -99.75 To 2592. %



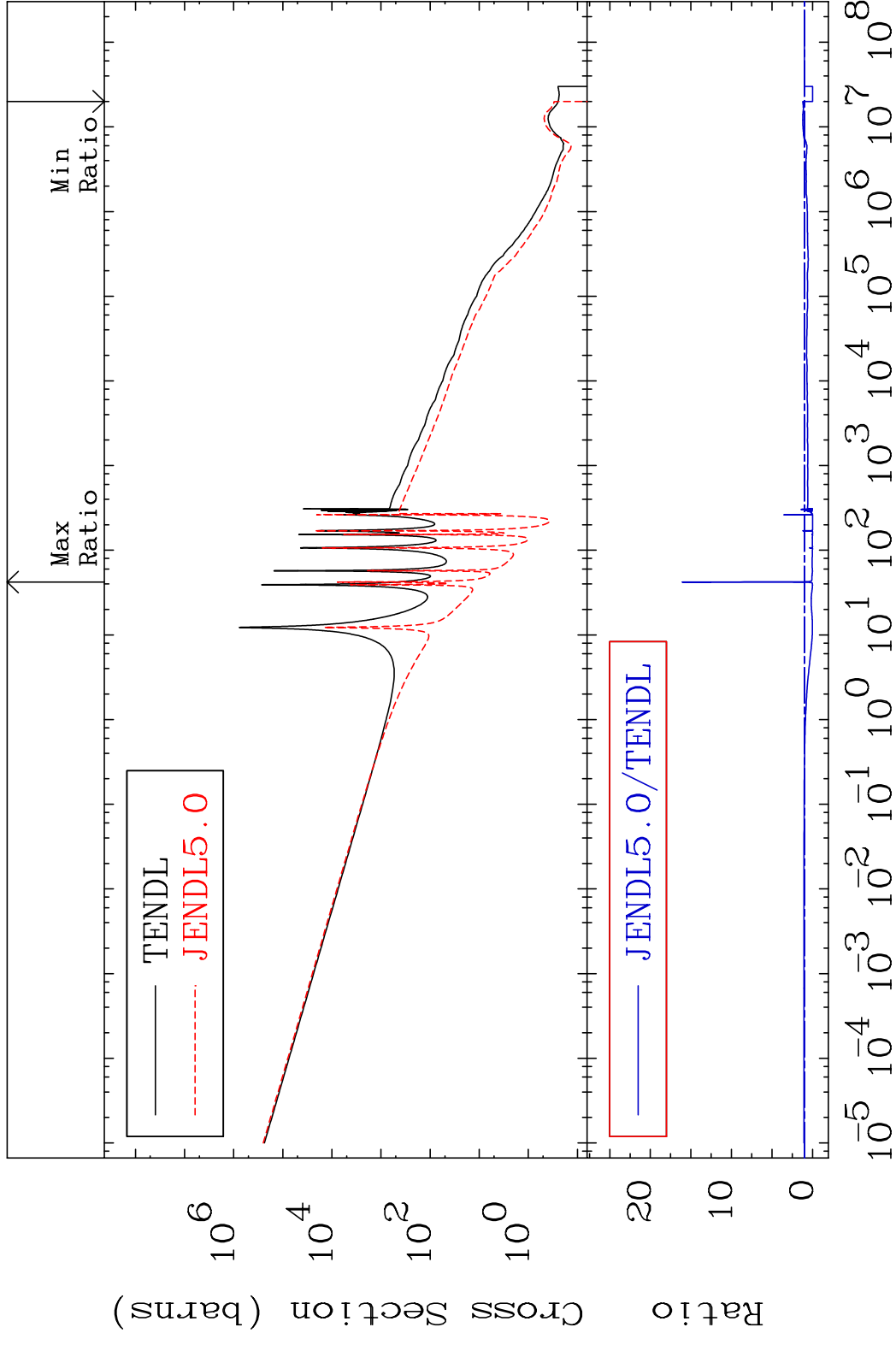
MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
 Cross Section -100.0 To 8922. %



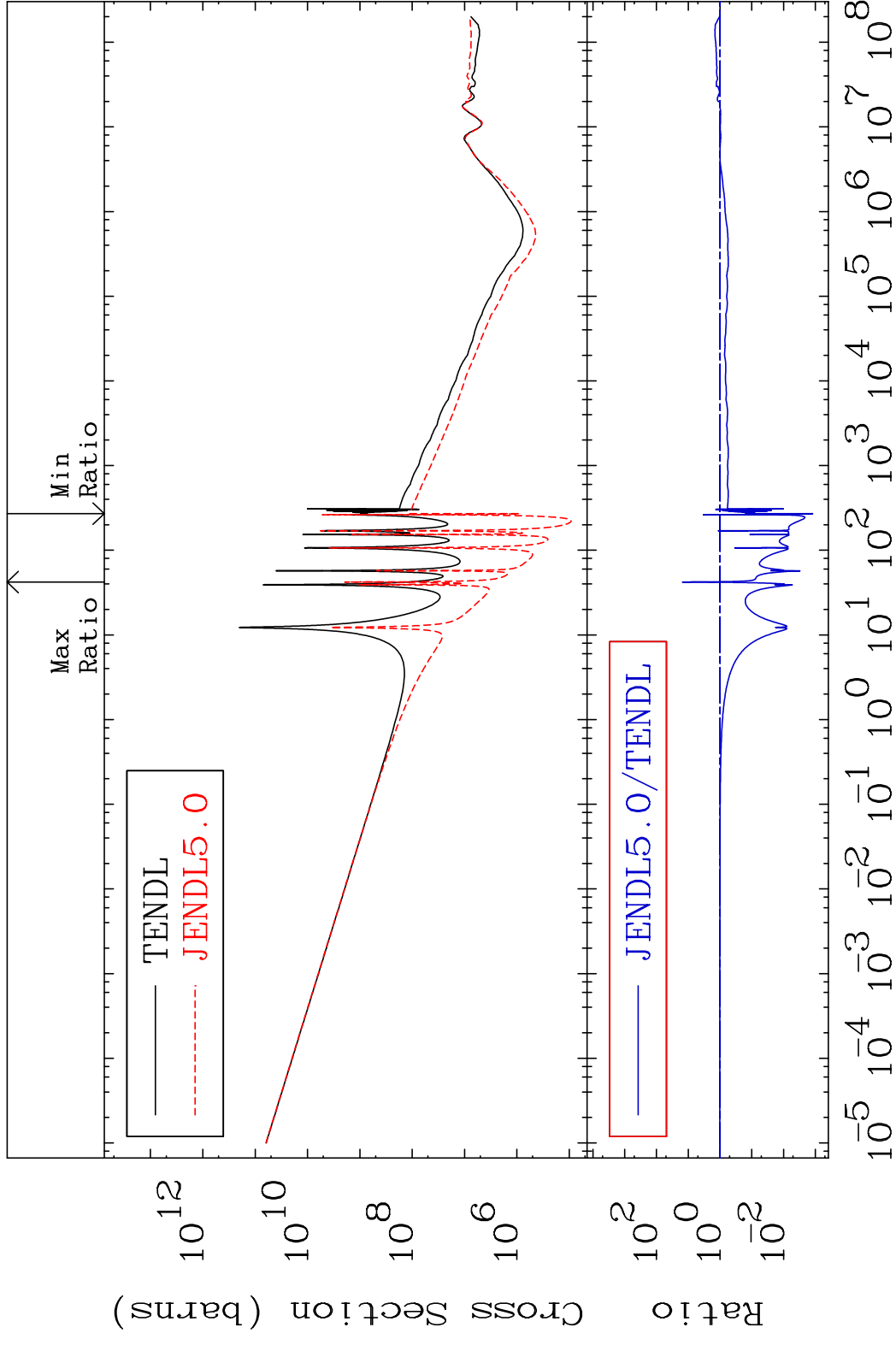
MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
 Cross Section -100.0 To 8922. %



MAT 5528 Kerma capture (mt102) 55-Cs-134
 Cross Section -100.0 To 1505. %

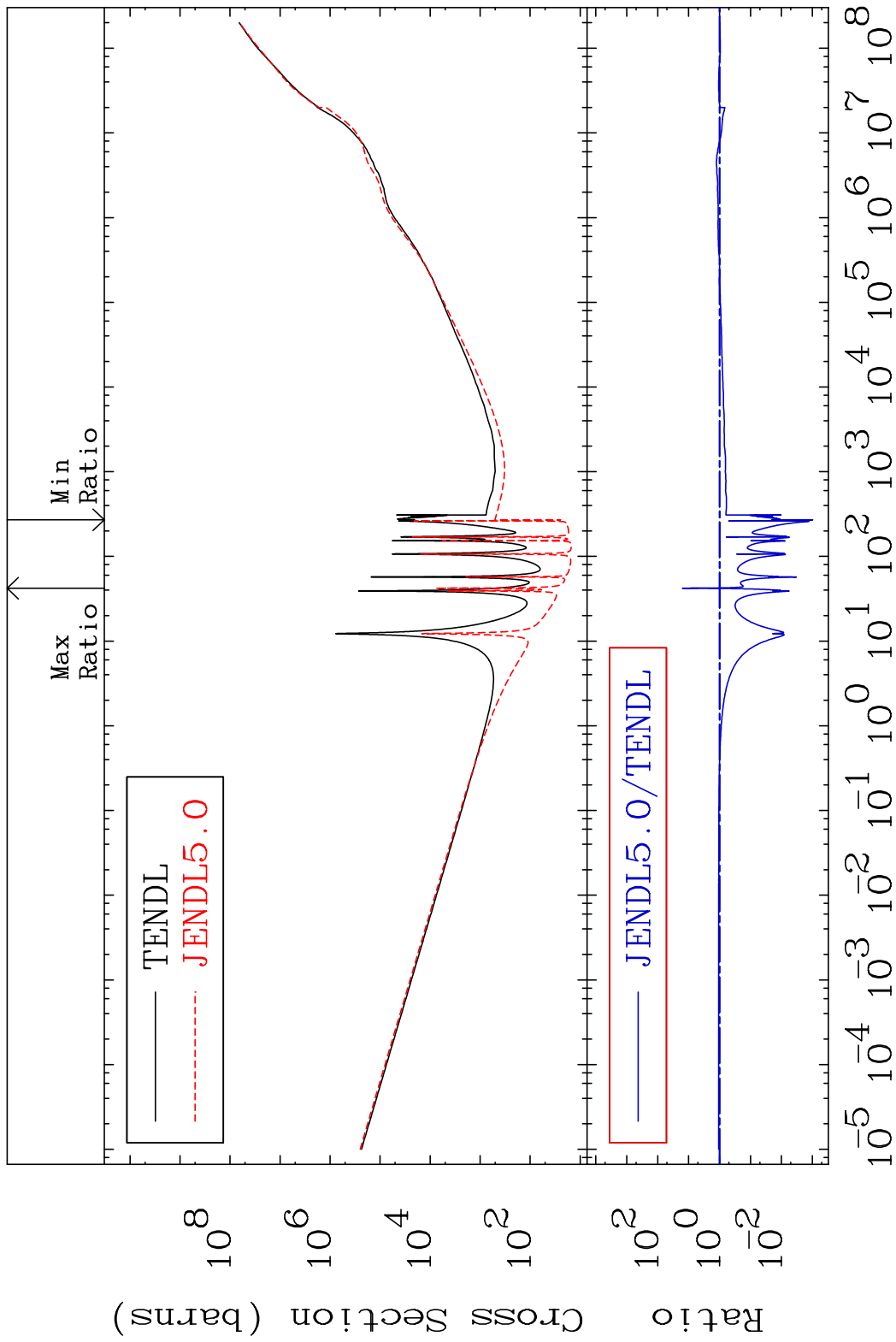


MAT 5528 Total photon (eV-barns) 55-Cs-134
 Cross Section -99.88 To 1433. %

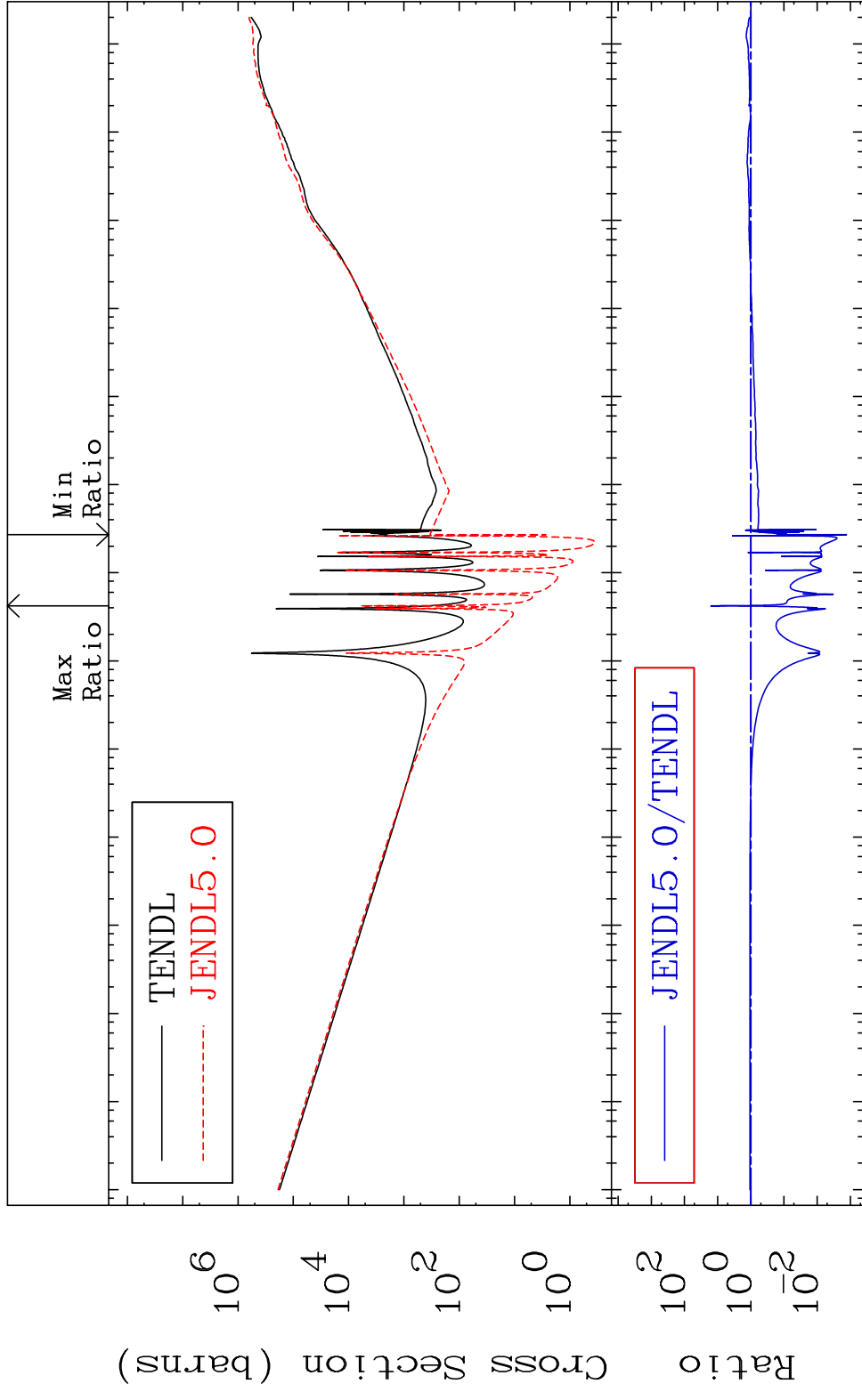


55 Incident Energy (eV) 55-Cs-134

MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
 Cross Section -99.90 To 1494. %



MAT 5528 Dpa total (eV-barns) 55-Cs-134
 Cross Section -99.87 To 1519. %



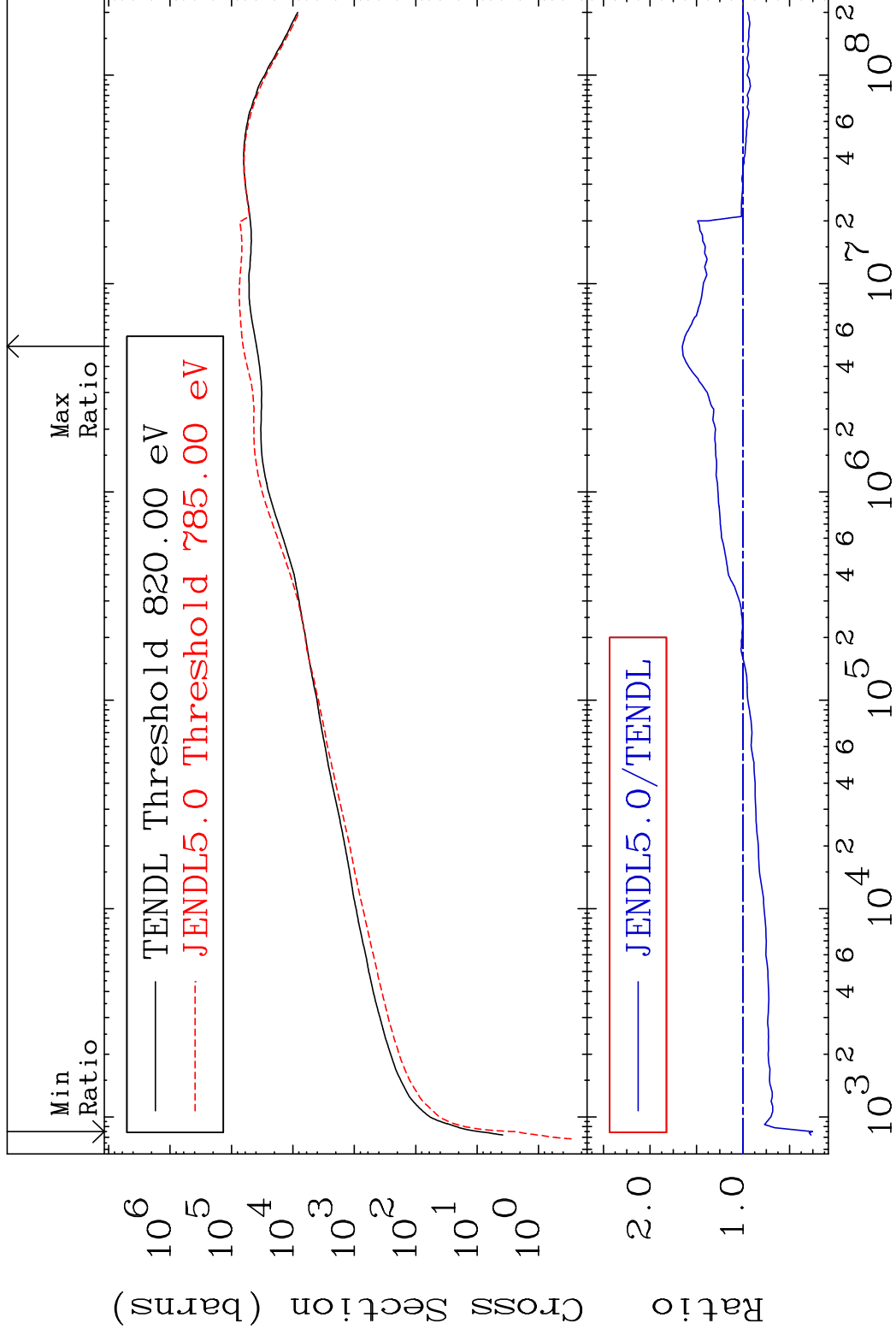
MAT 5528

Dpa elastic (mt2)

55-Cs-134

Cross Section

-74.76 To 65.28 %

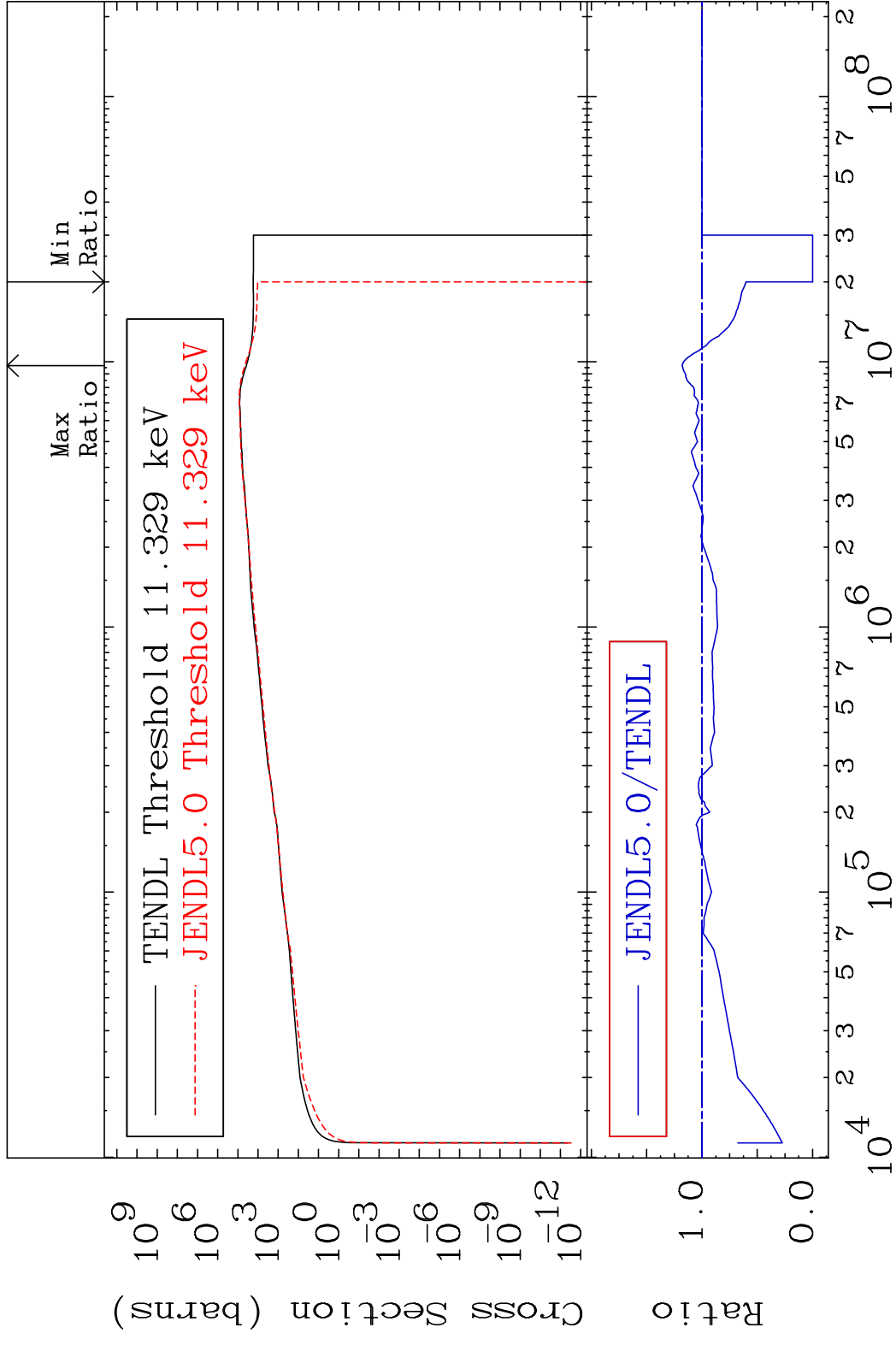


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Incident Energy (eV)

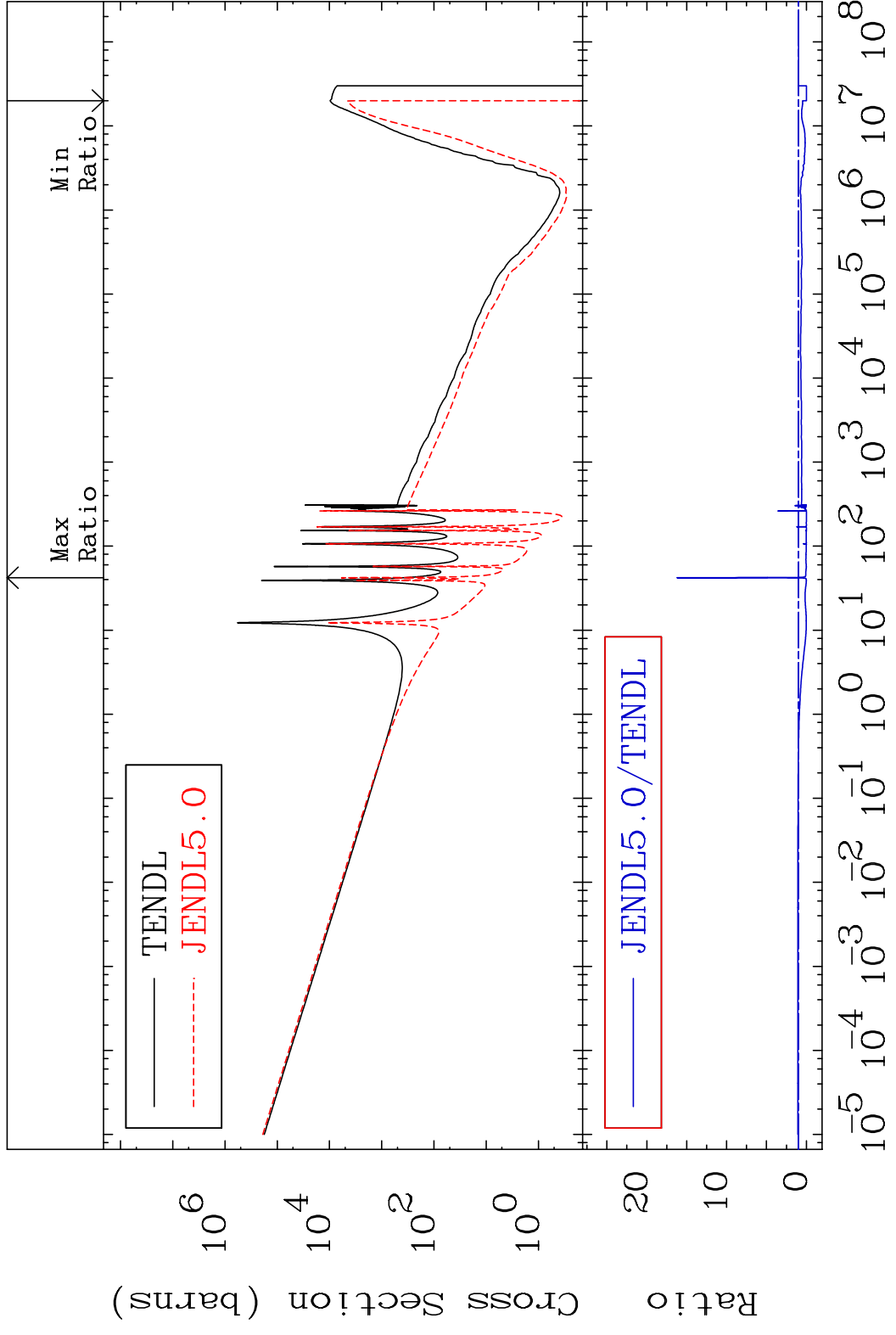
55-Cs-134

MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
 Cross Section -100.0 To 17.75 %



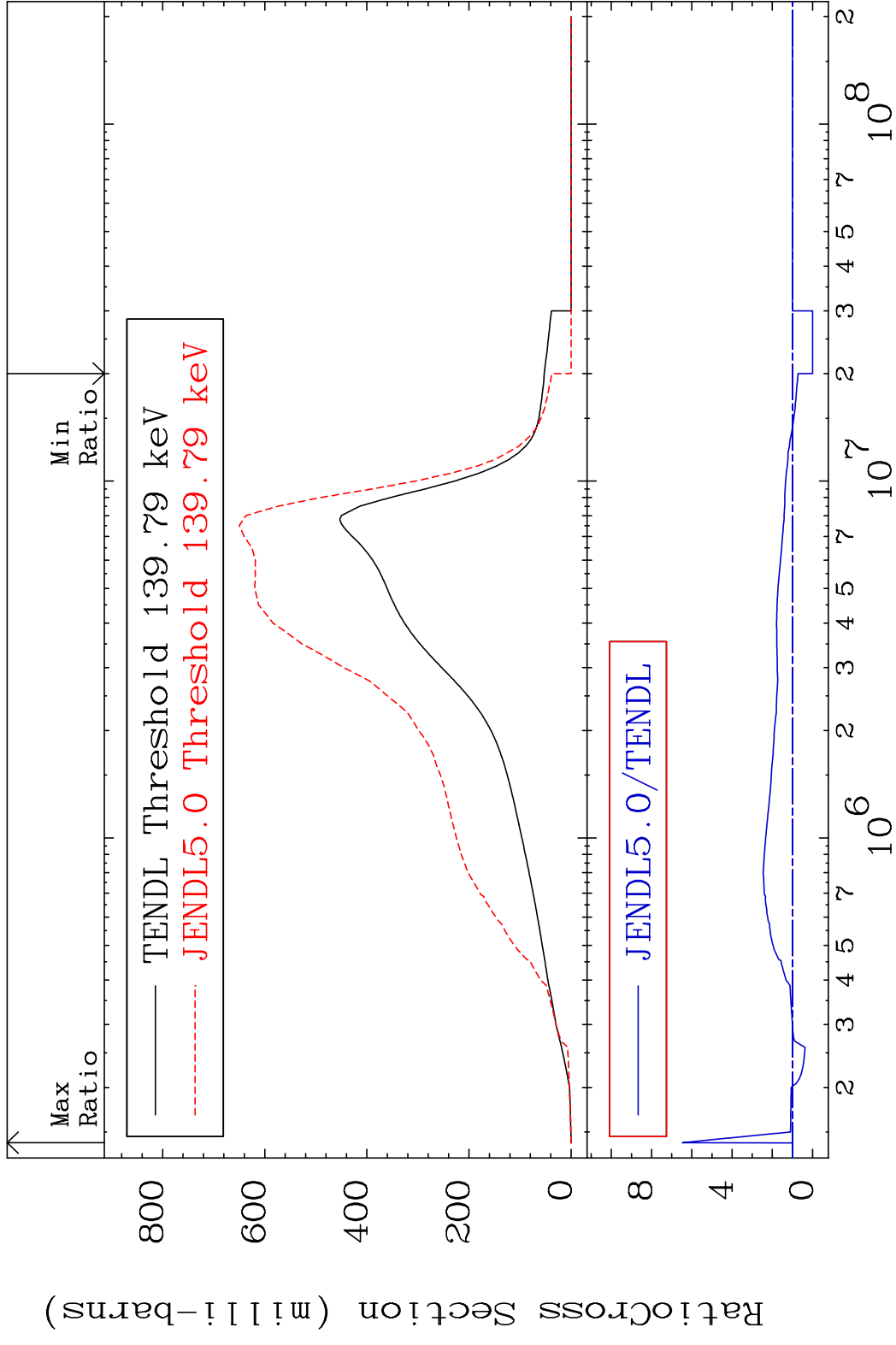
59 Incident Energy (eV) 55-Cs-134

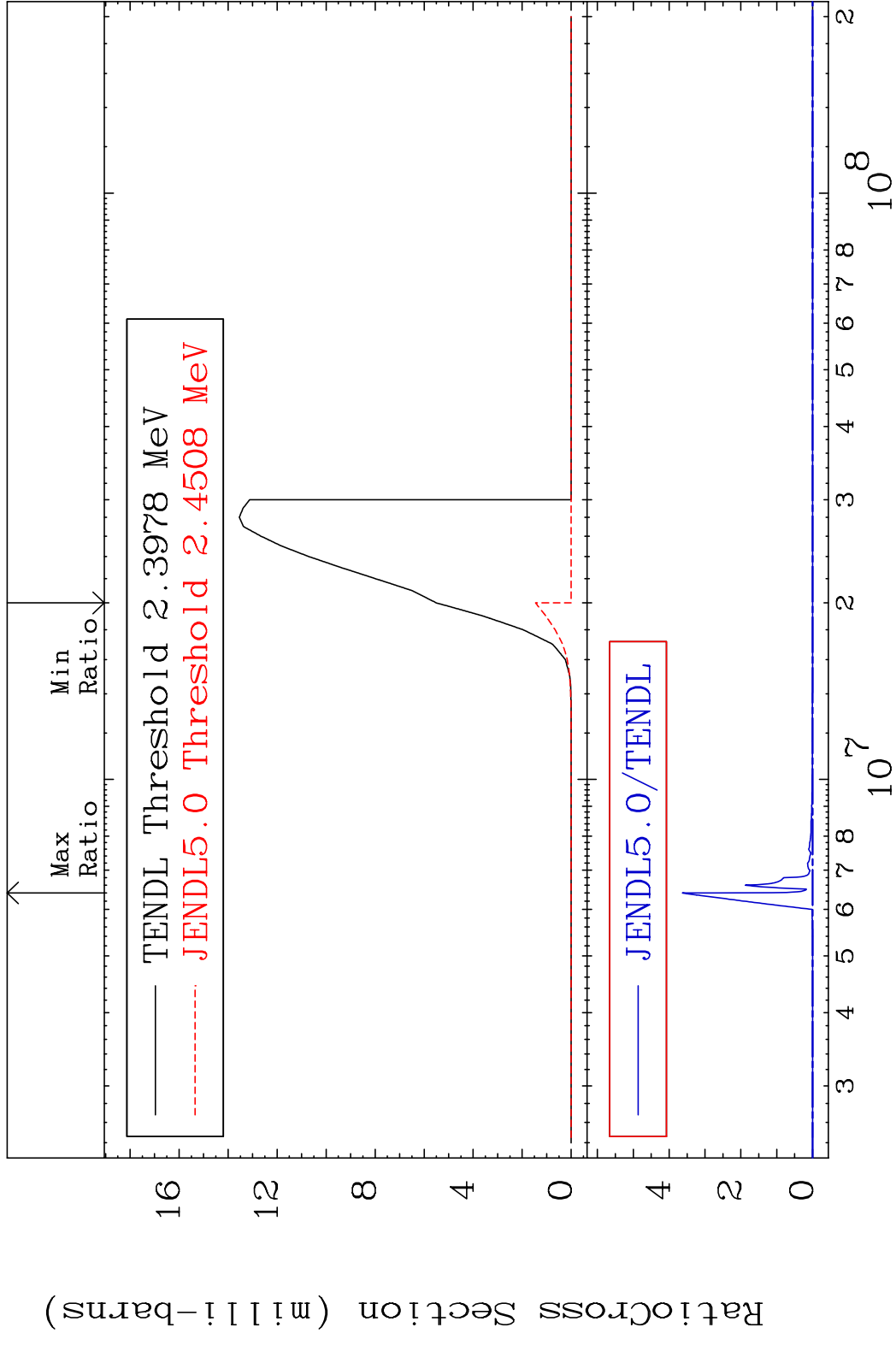
MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
 Cross Section -100.0 To 1519. %



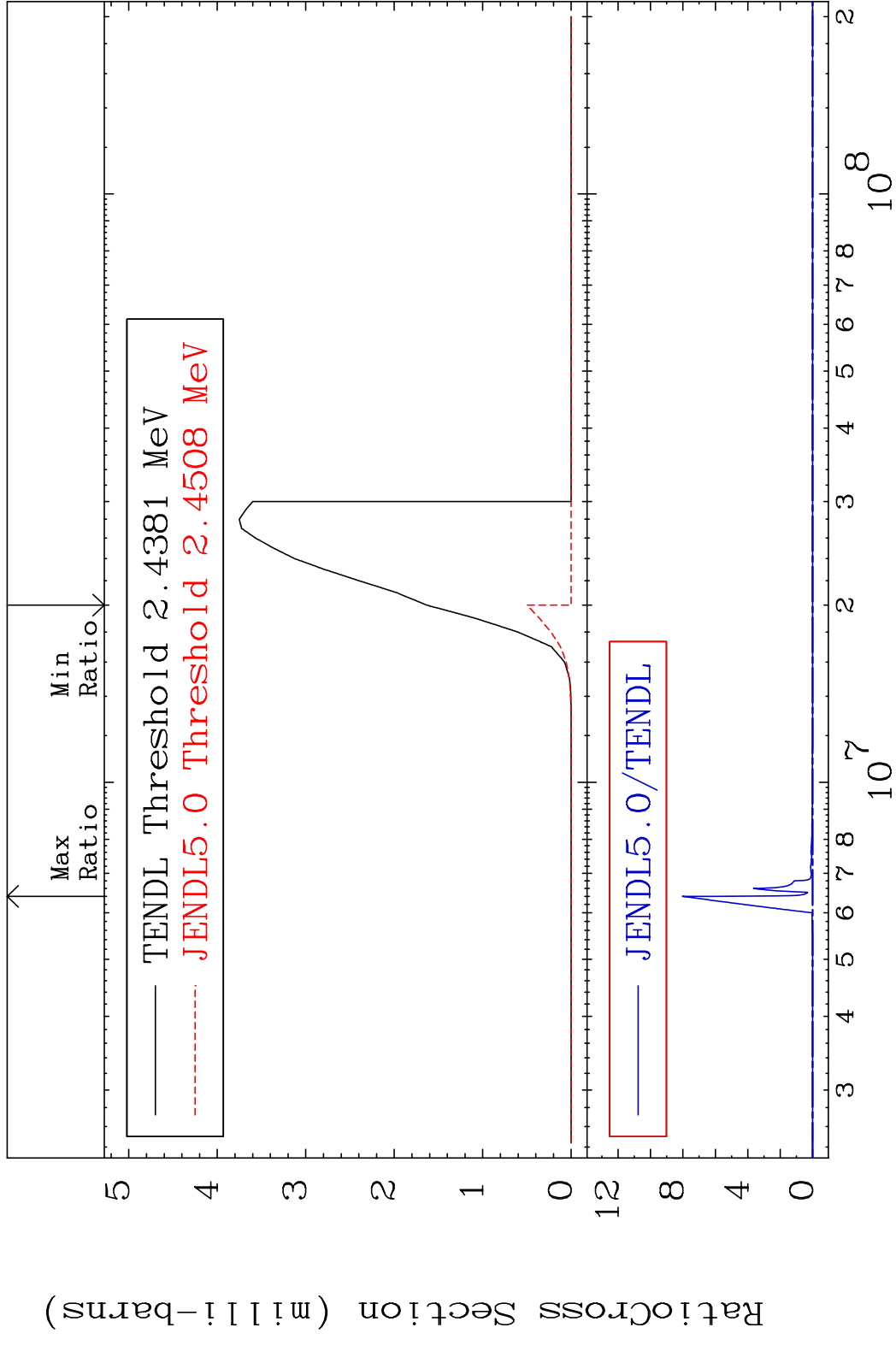
60 Incident Energy (eV) 55-Cs-134

MAT 5528 Inelastic:55-Cs-134m3 55-Cs-134
 Radionuclide Production Cross Section Ratio 547.0 %

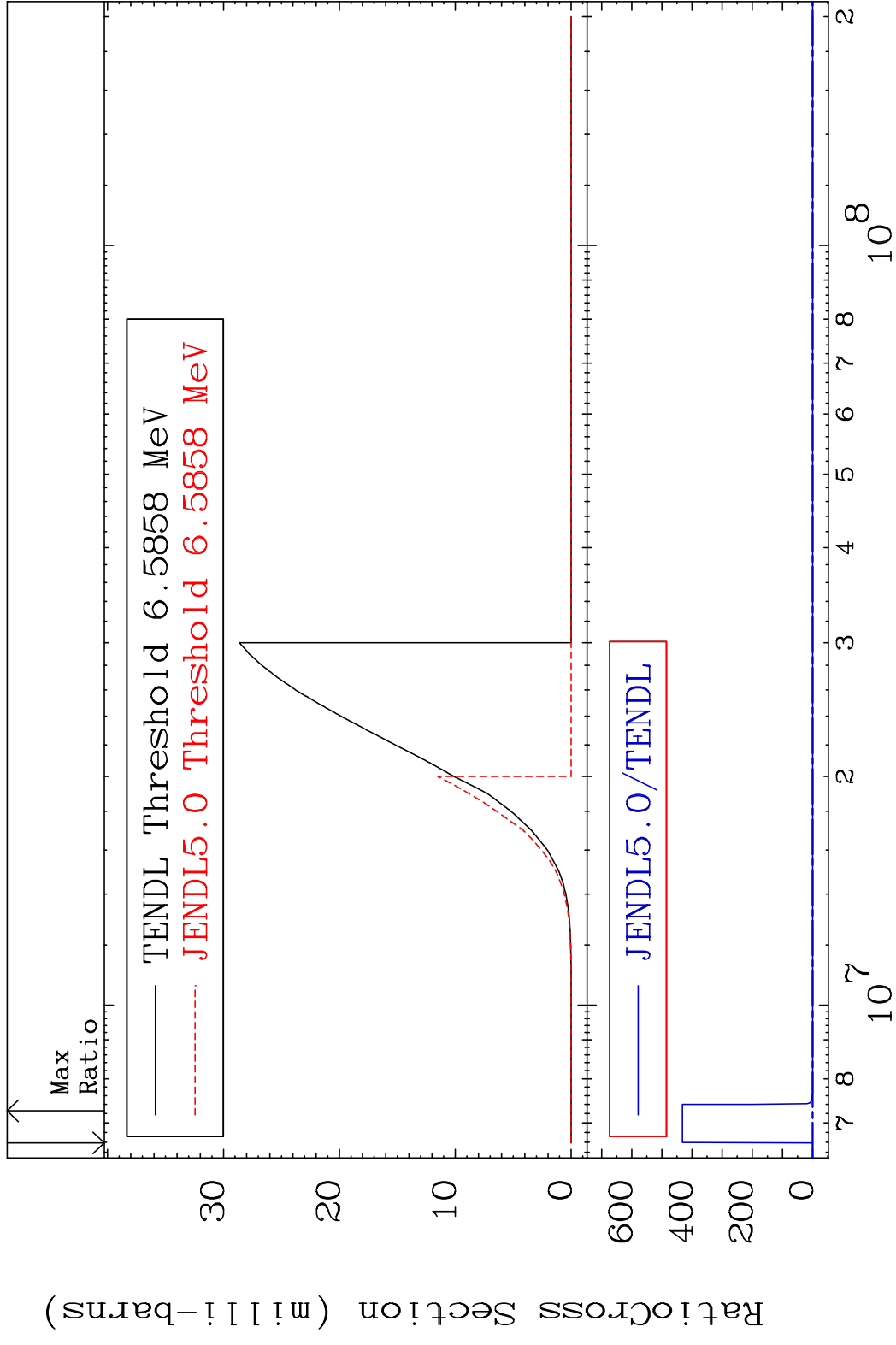


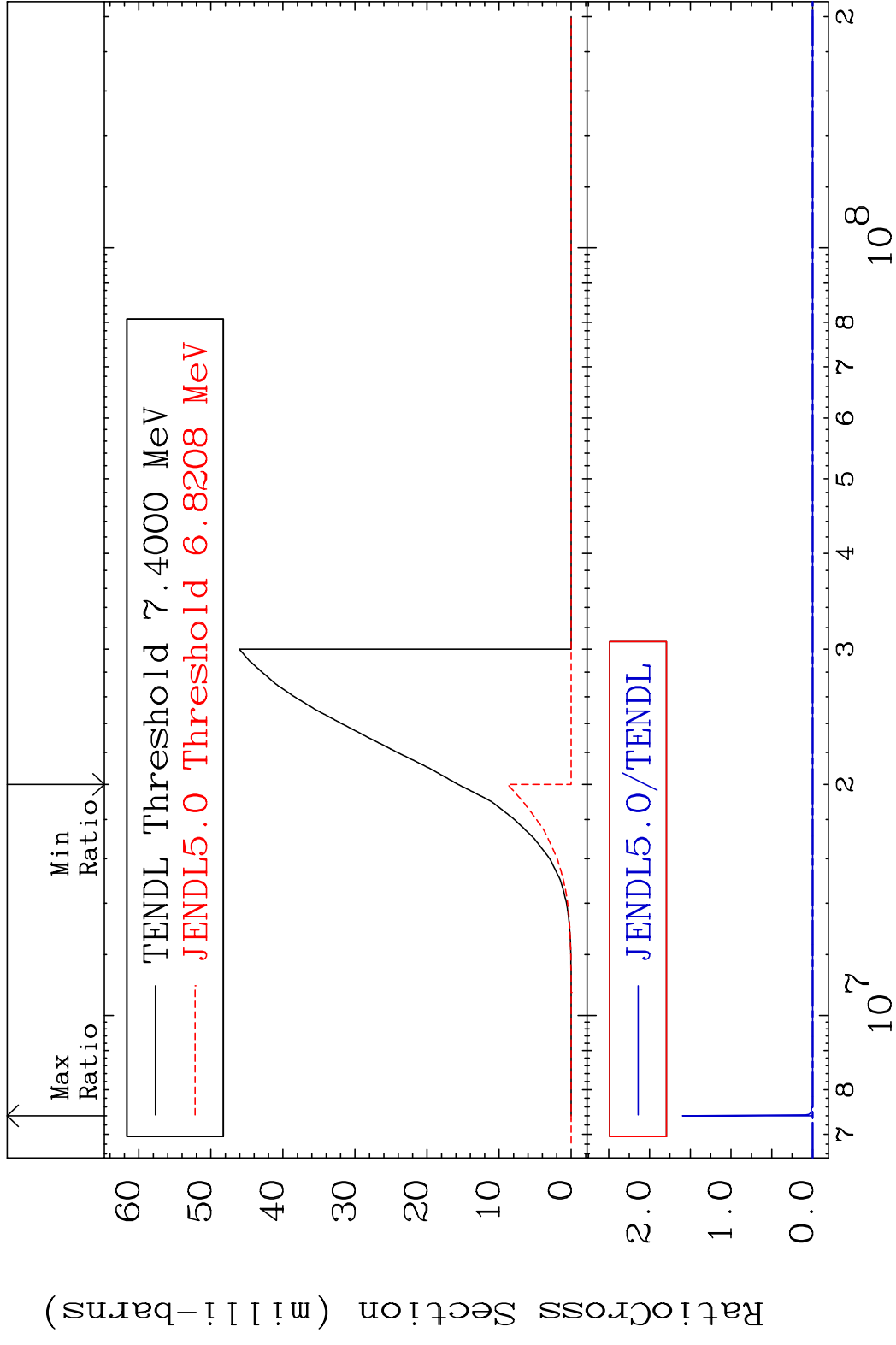


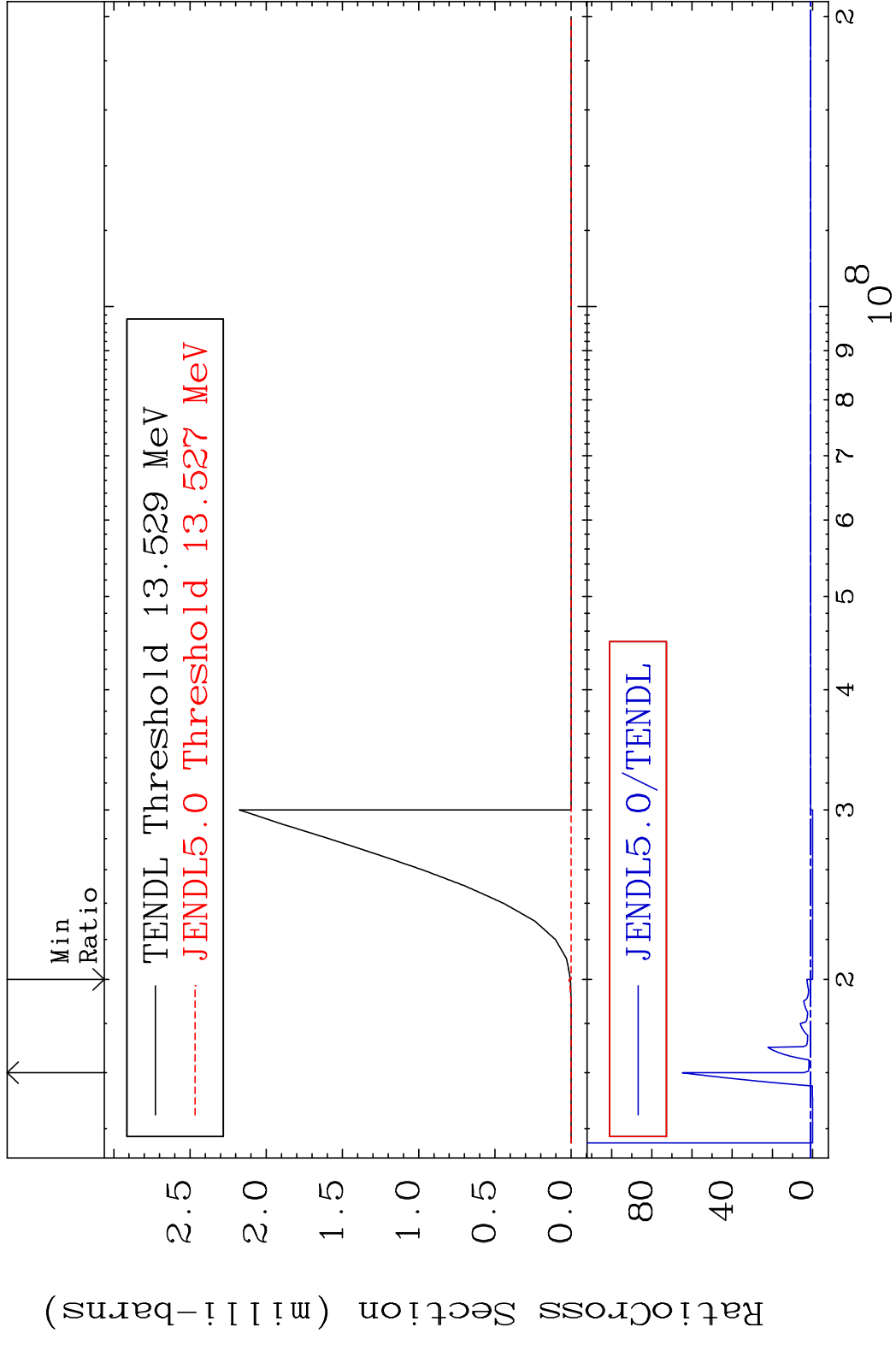
MAT 5528 (n, n') α :53-I -130m1 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



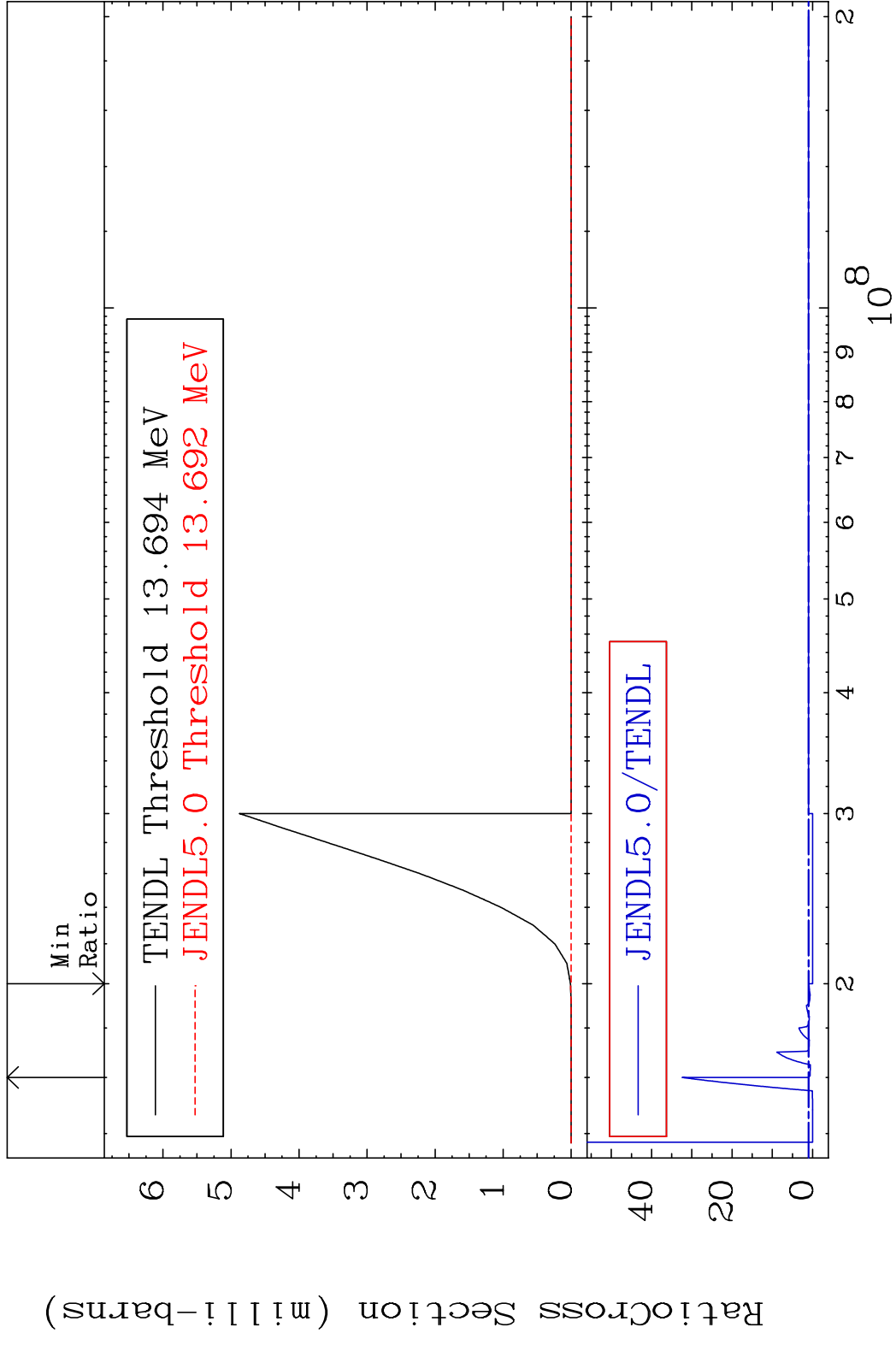
MAT 5528 (n, n') p:54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



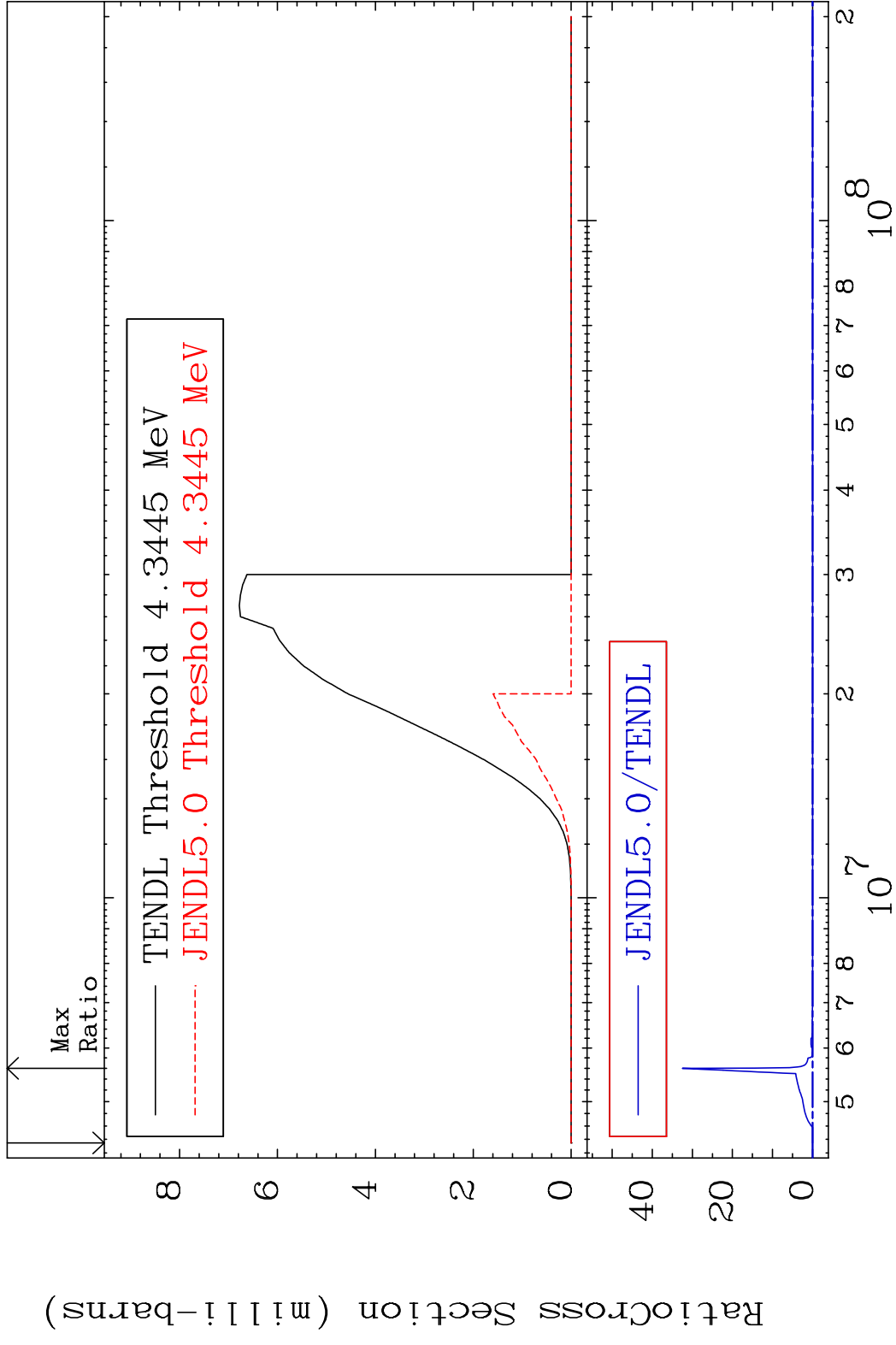




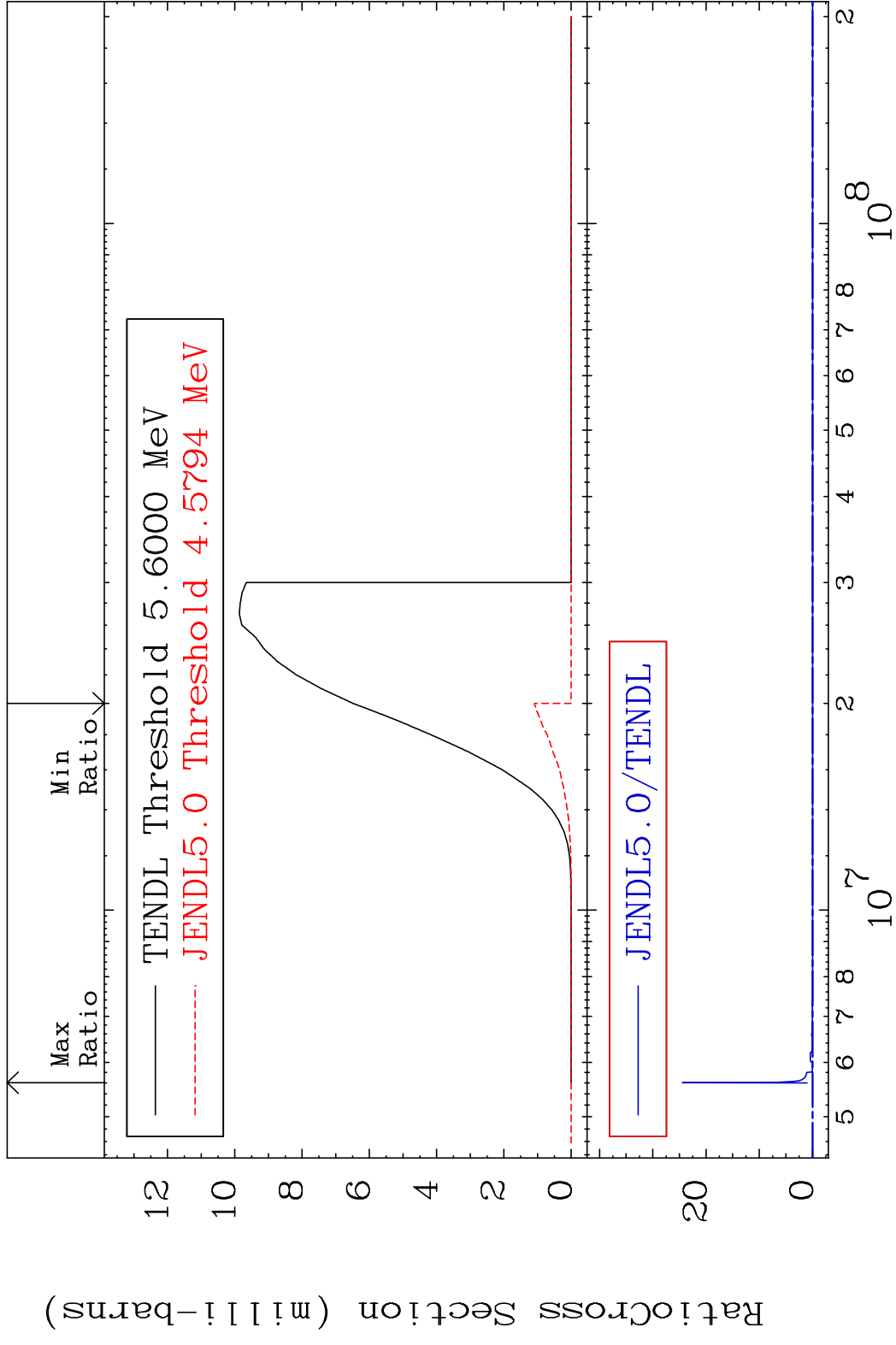
MAT 5528 (n, n') t:54-Xe-131m2 55-Cs-134
 Radionuclide Production Cross Section Ratio 3135. %



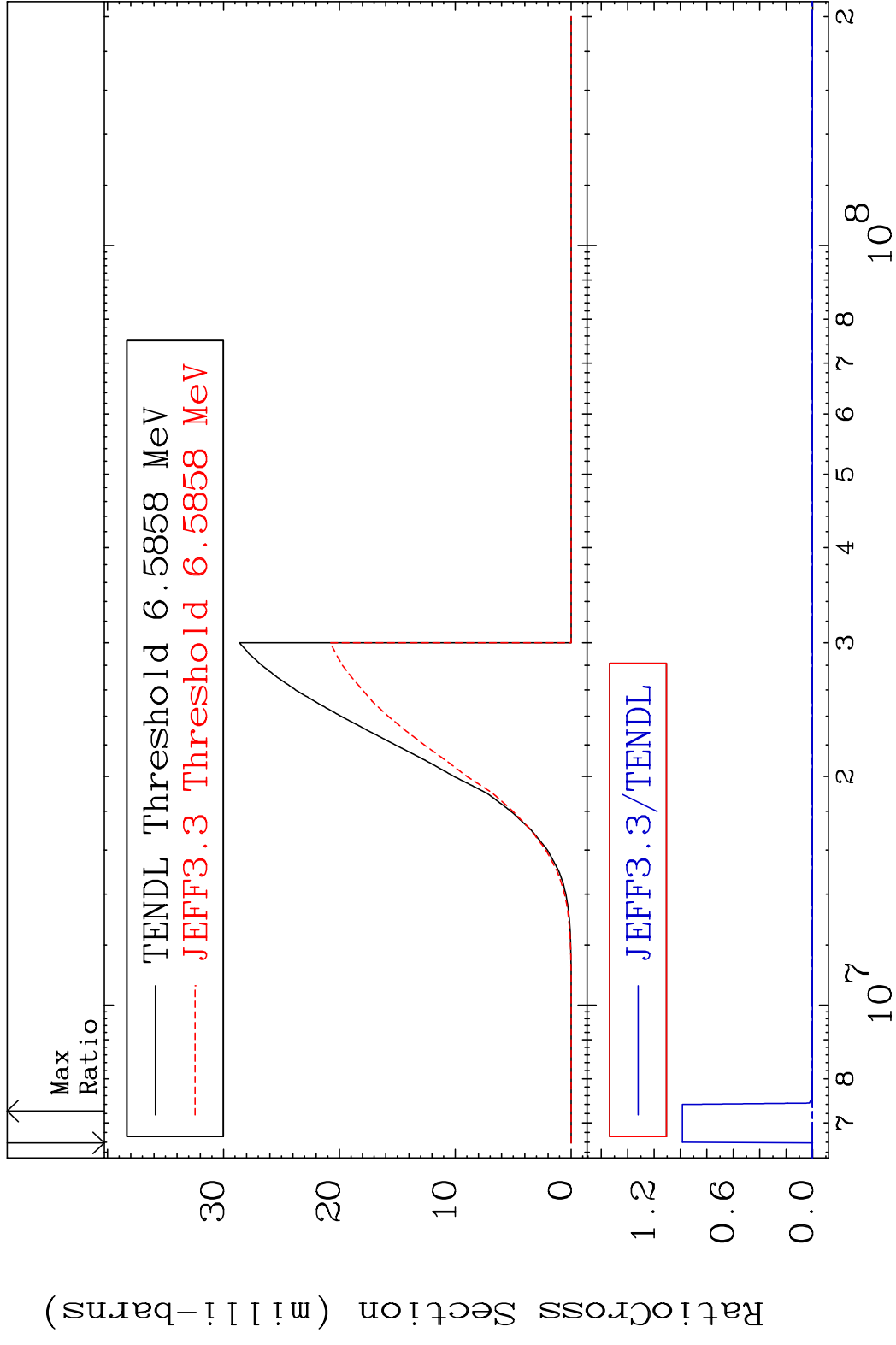
MAT 5528 (n,d):54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section (%) 9999. %

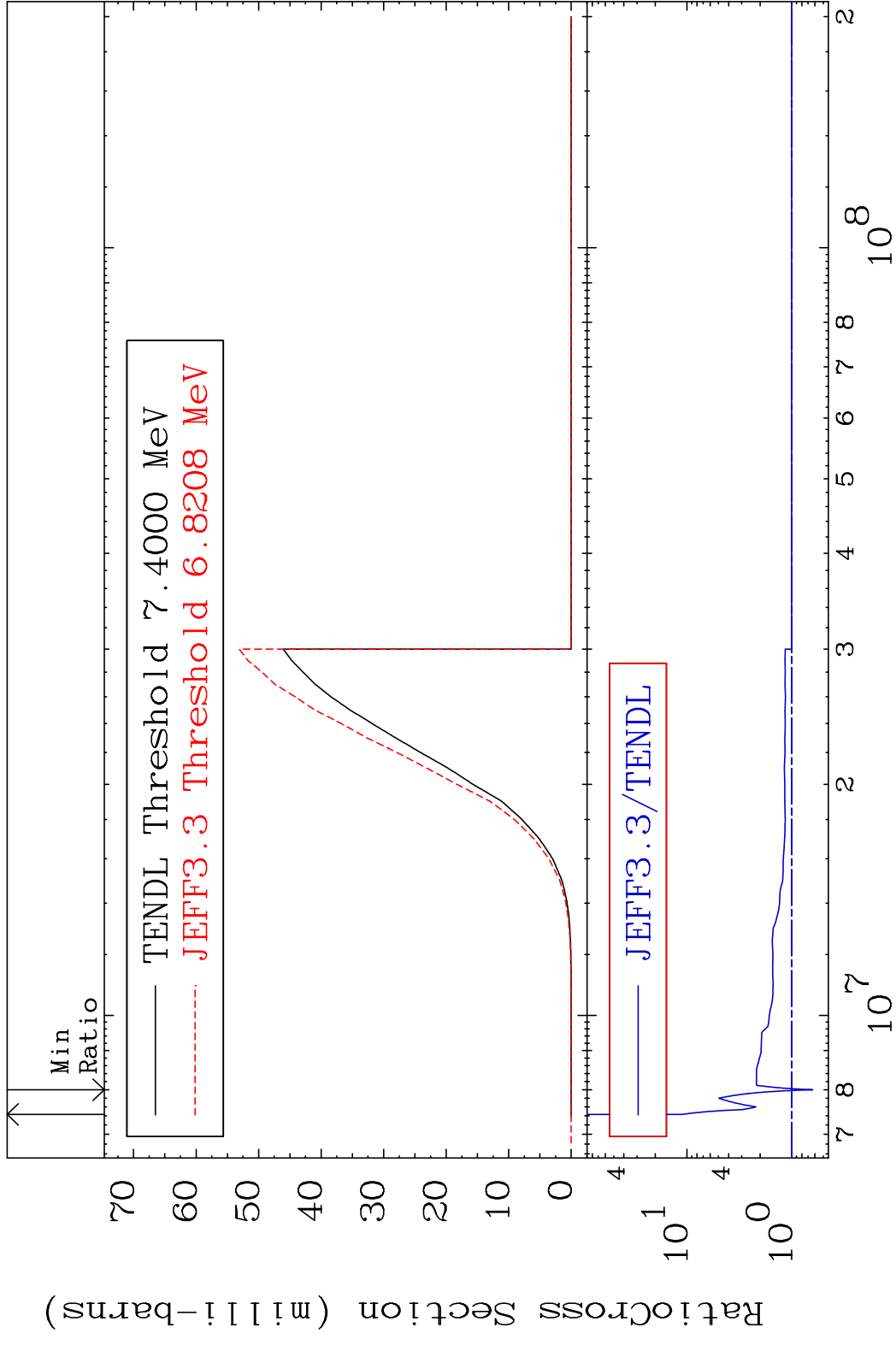


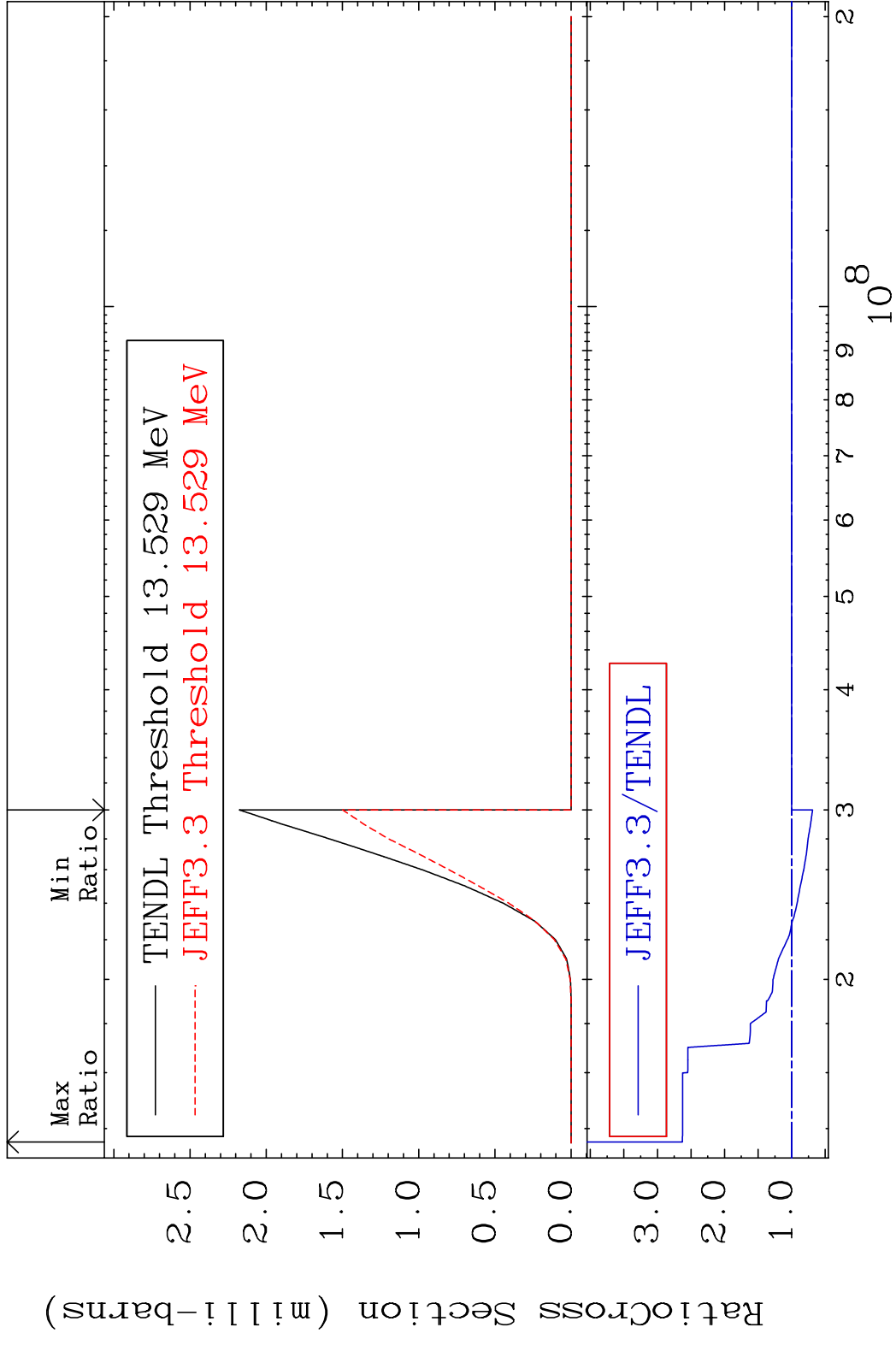
MAT 5528 (n, d):54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section (%)



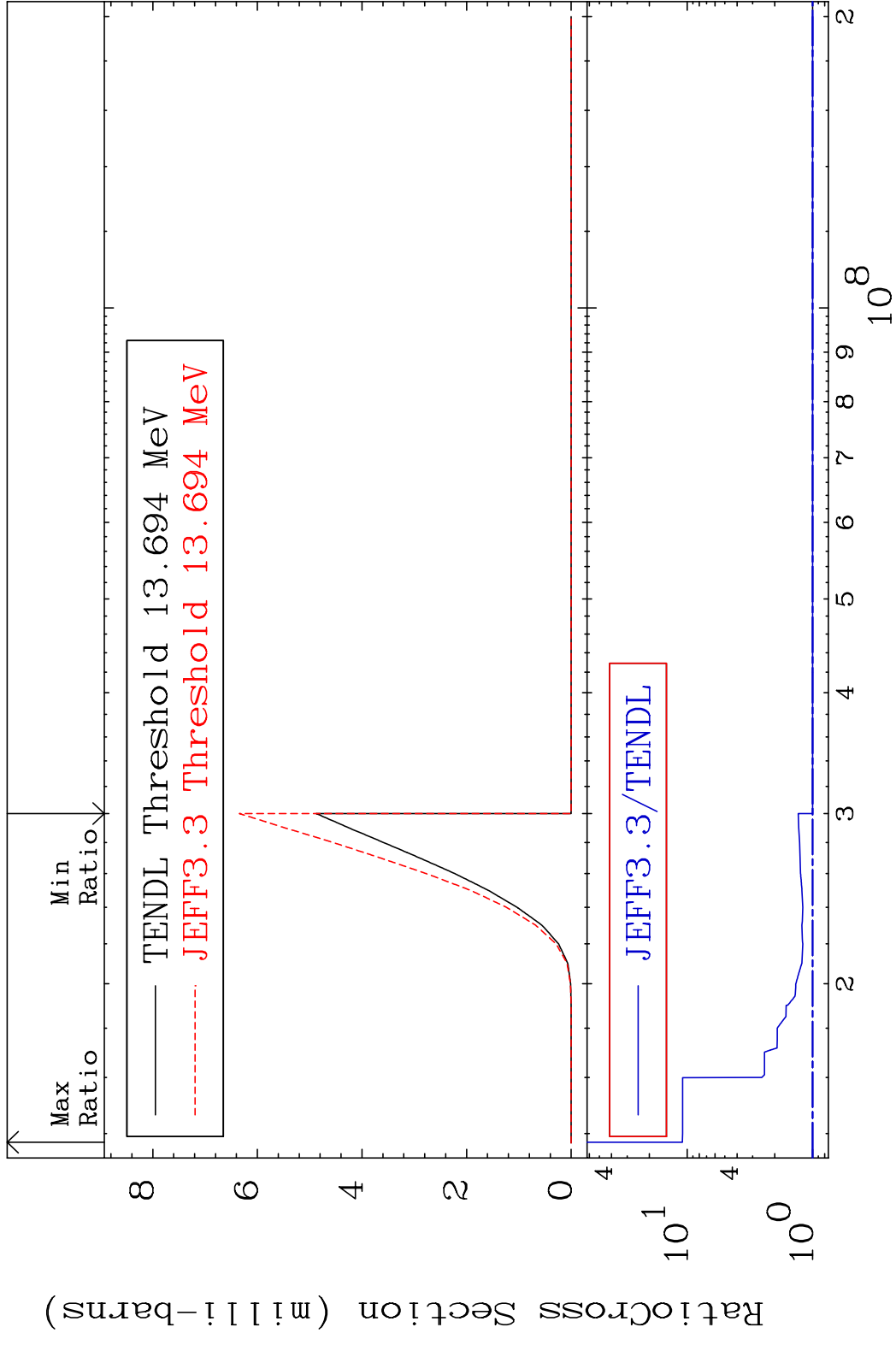
MAT 5528 (n, n') p:54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



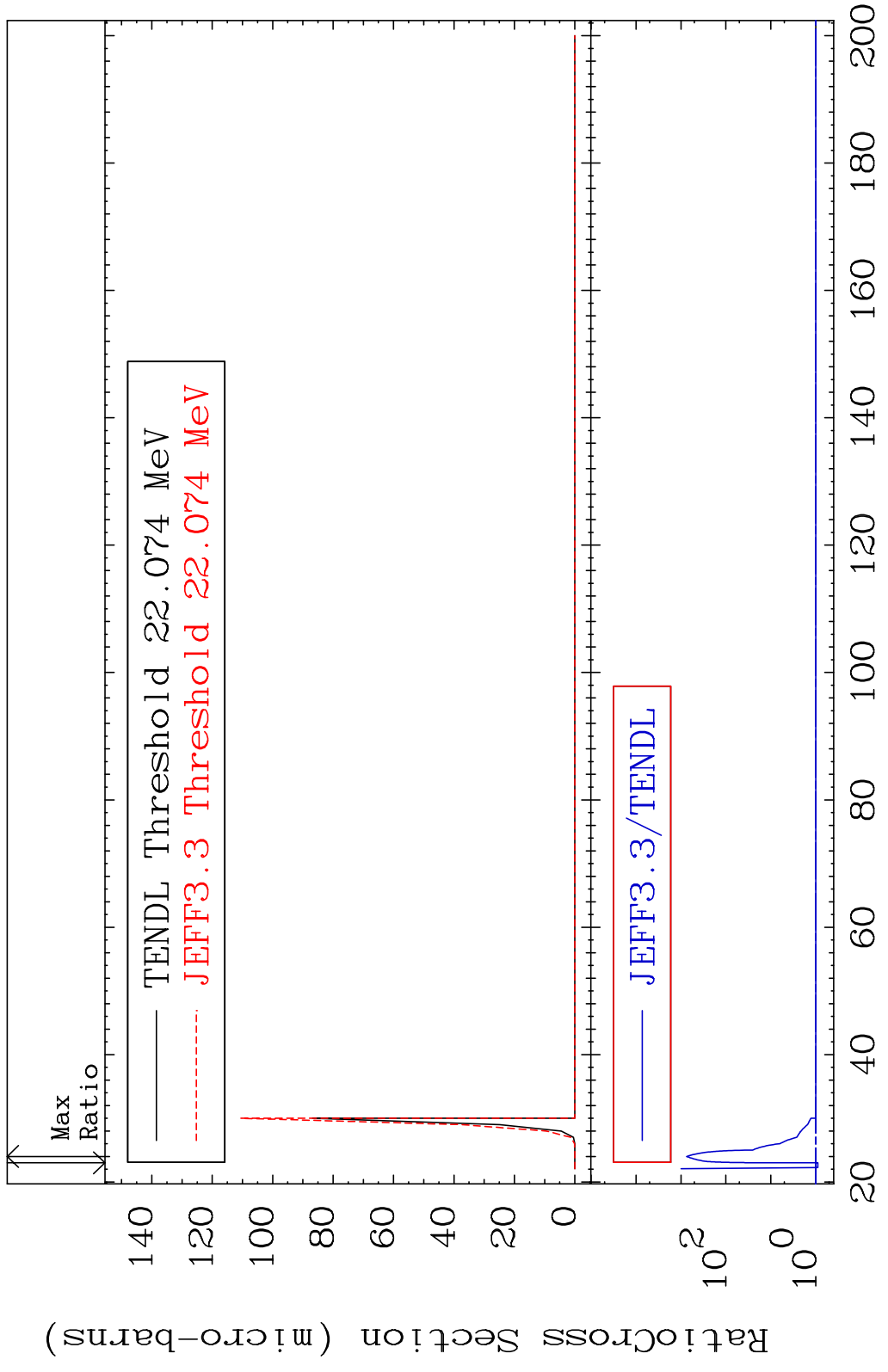


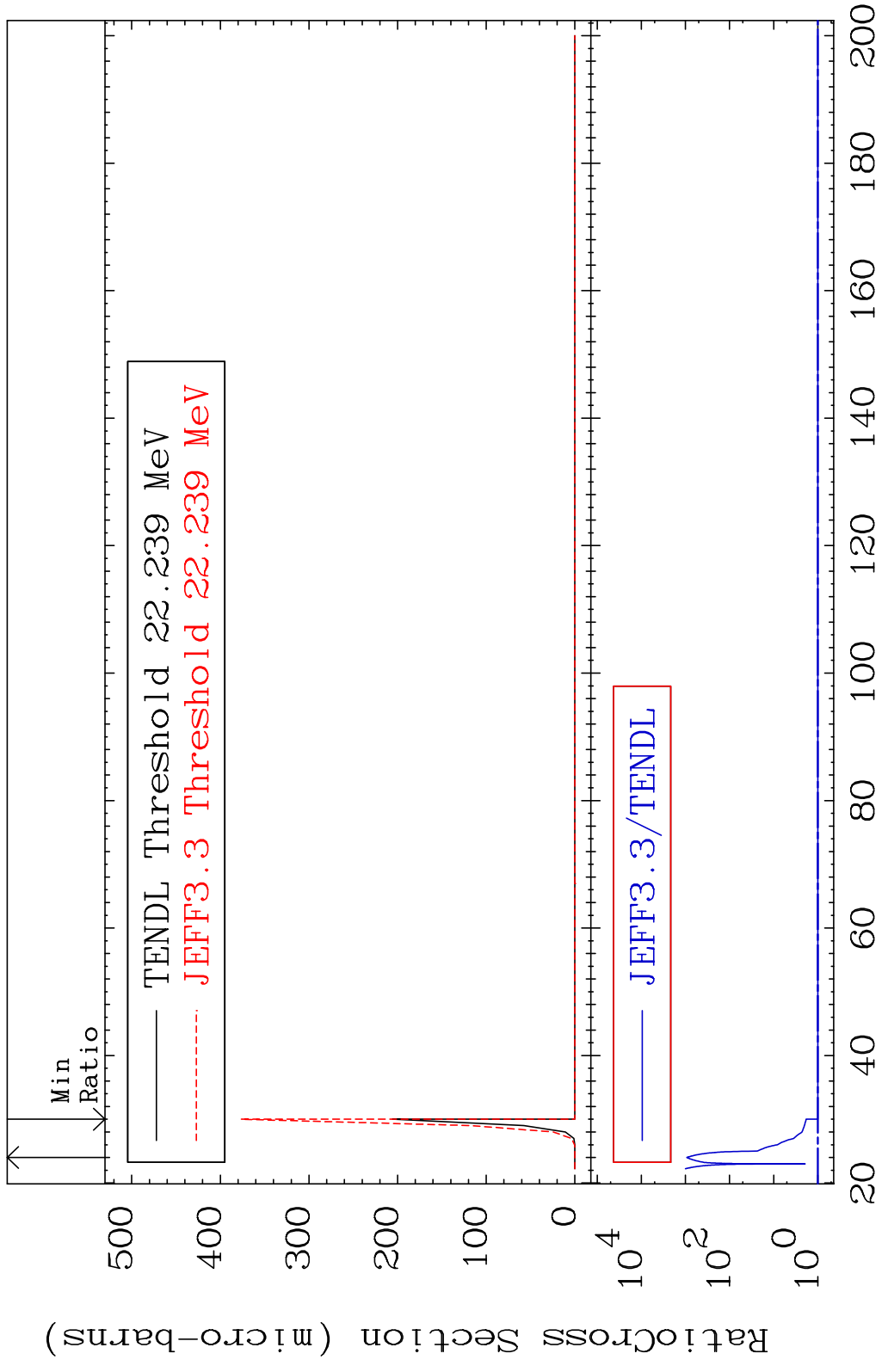


MAT 5528 (n, n') t:54-Xe-131m2 55-Cs-134
 Radionuclide Production Cross Section 990.6 %

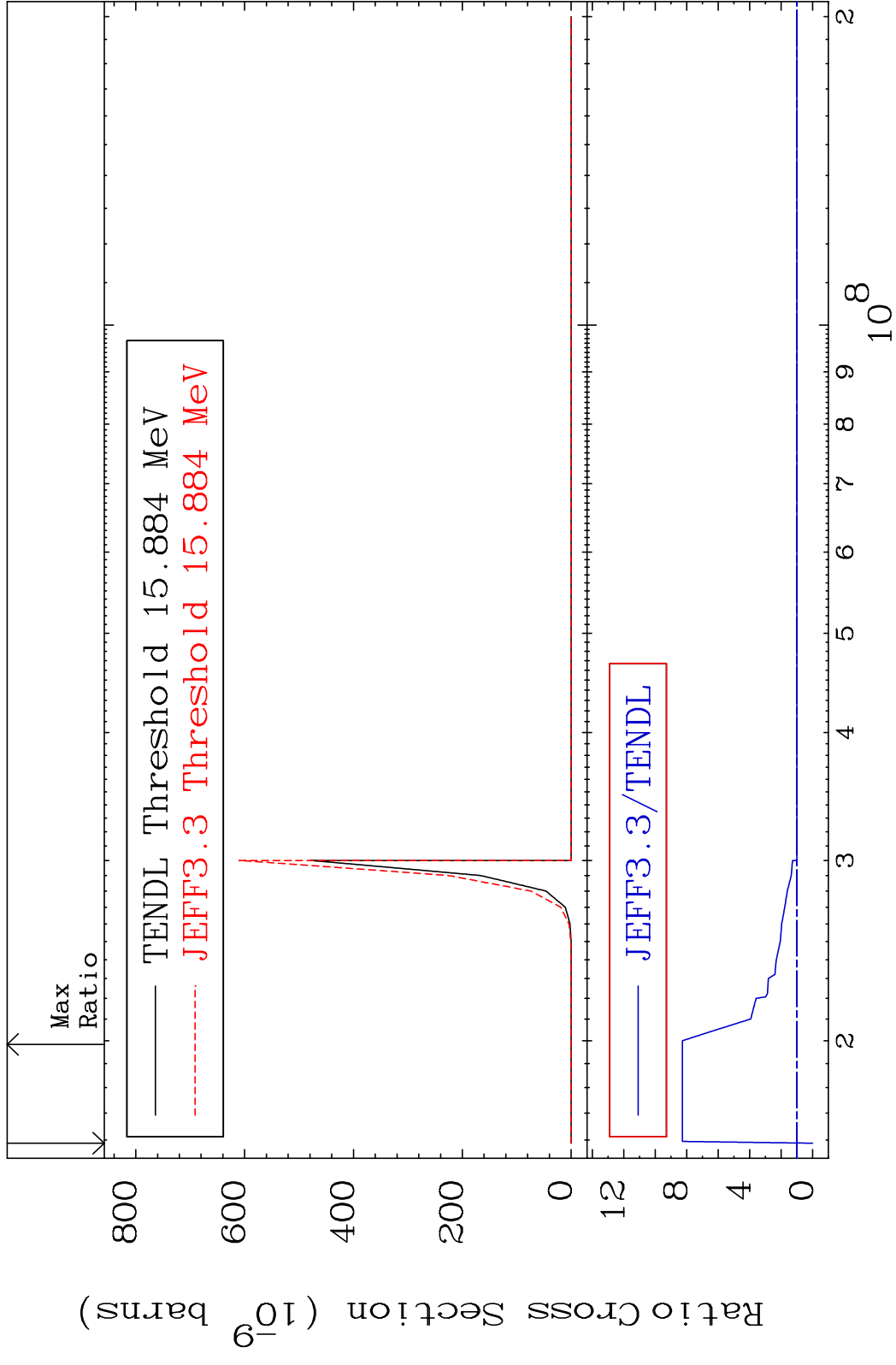


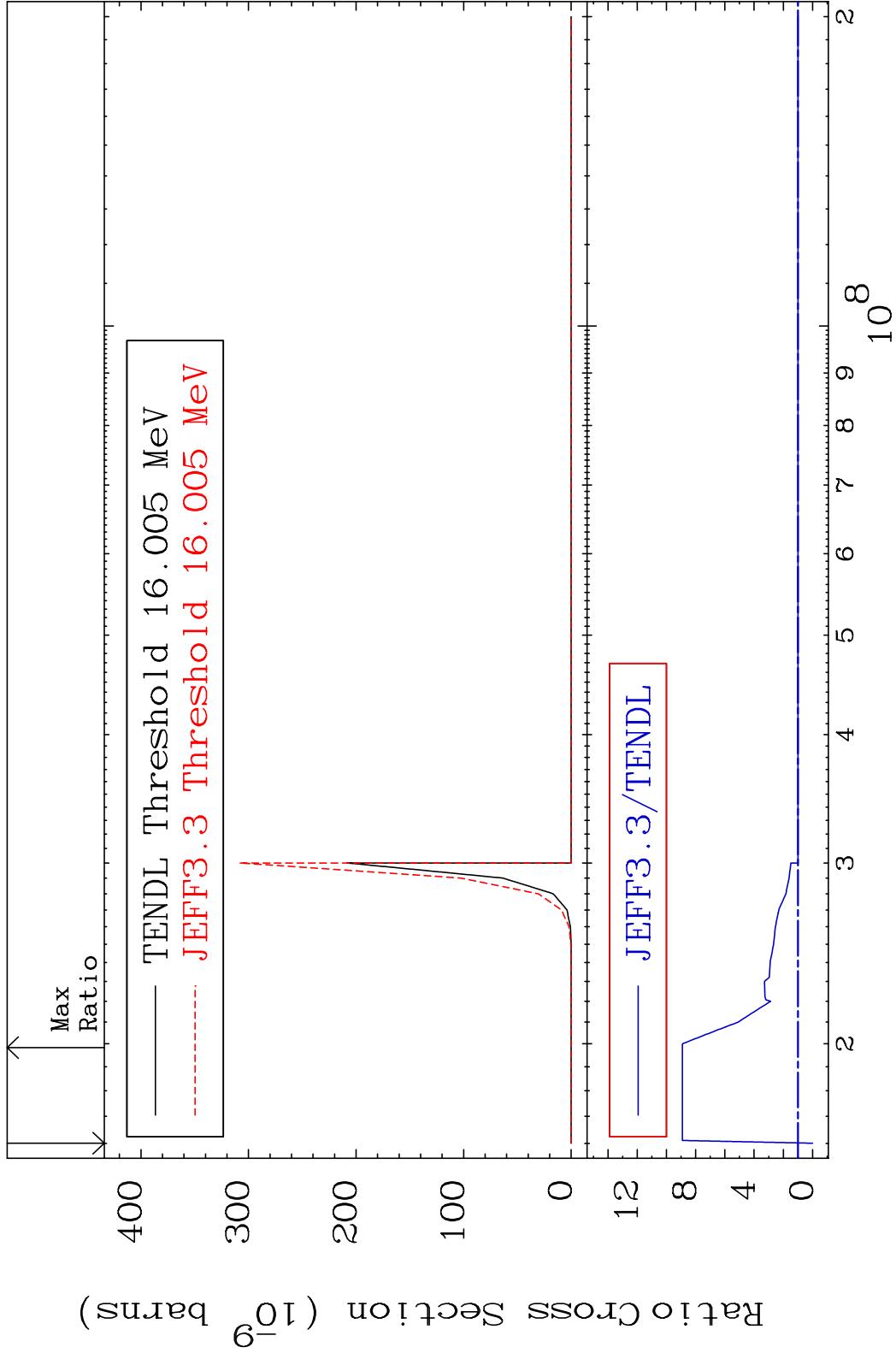
MAT 5528 (n,3n) p:54-Xe-131g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



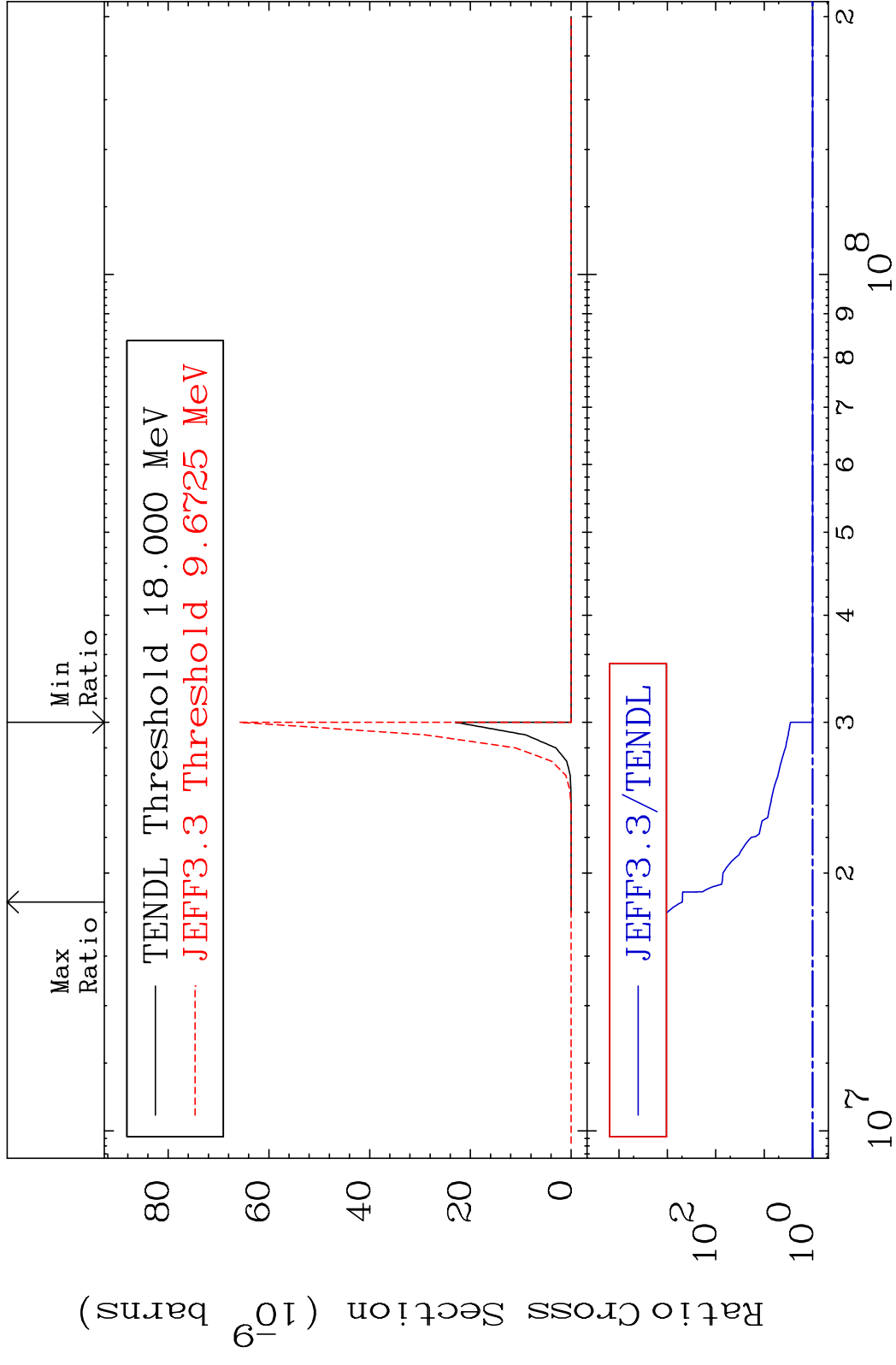


MAT 5528 (n,2n) p:53-I -132g 55-Cs-134
 Radionuclide Production Cross Section 180.0 d to 727.6 %



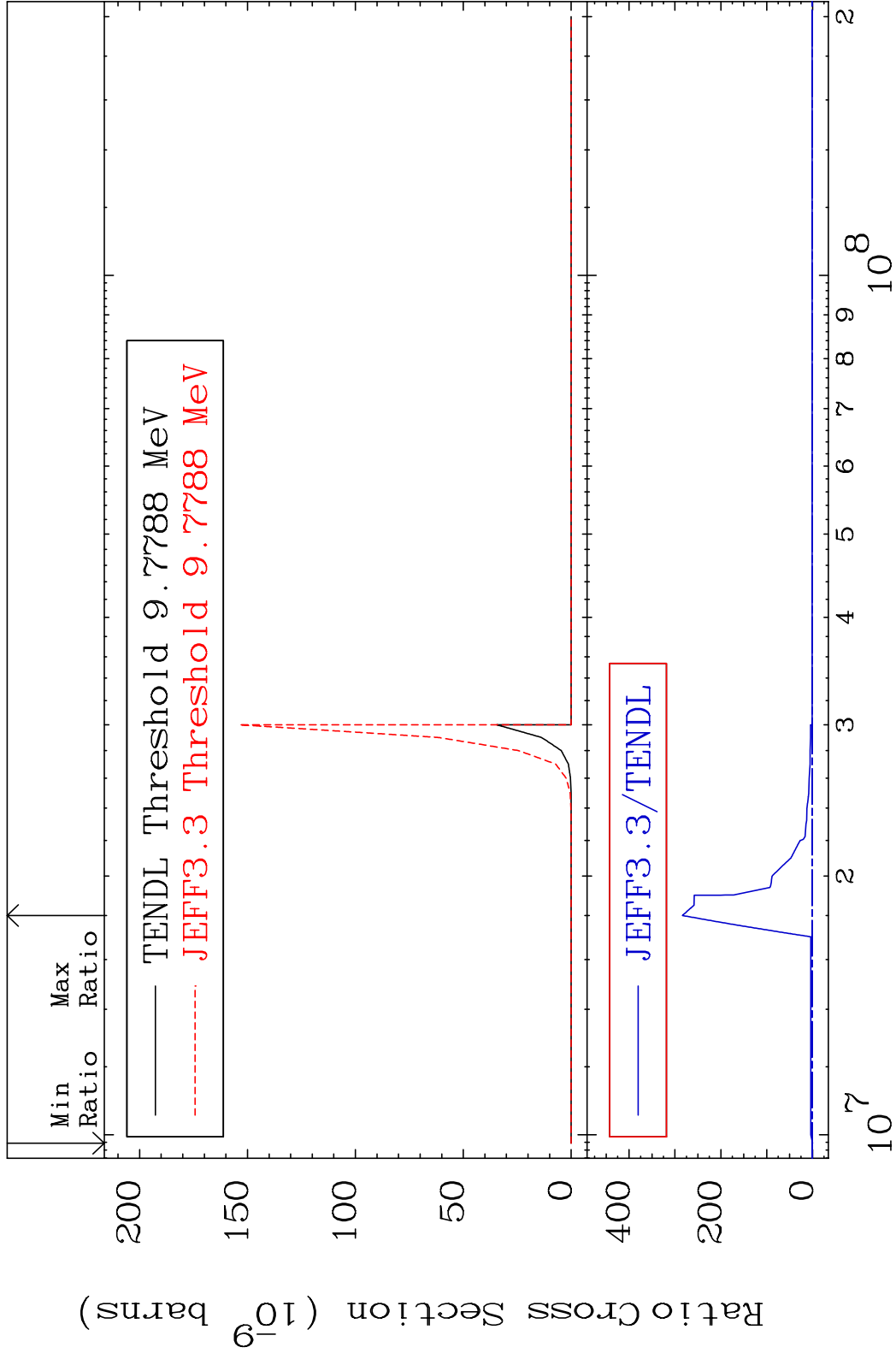


MAT 5528 (n,n') p α :52-Te-129g 55-Cs-134
 Radionuclide Production Cross Section 9999. %



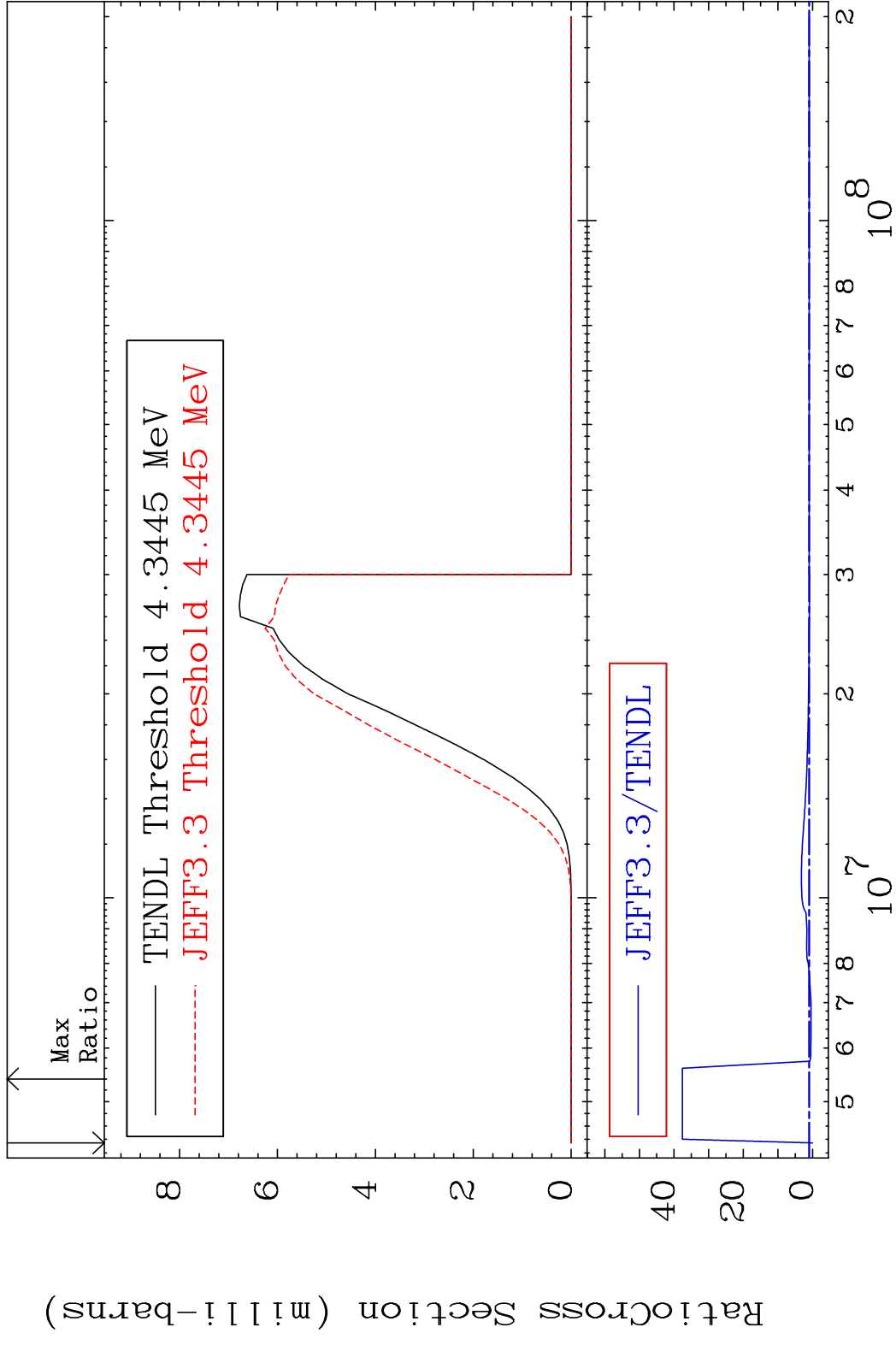
78 Incident Energy (eV) 55-Cs-134

MAT 5528 (n,n') p α:52-Te-129m1 55-Cs-134
 Radionuclide Production Cross Section to 9999. %



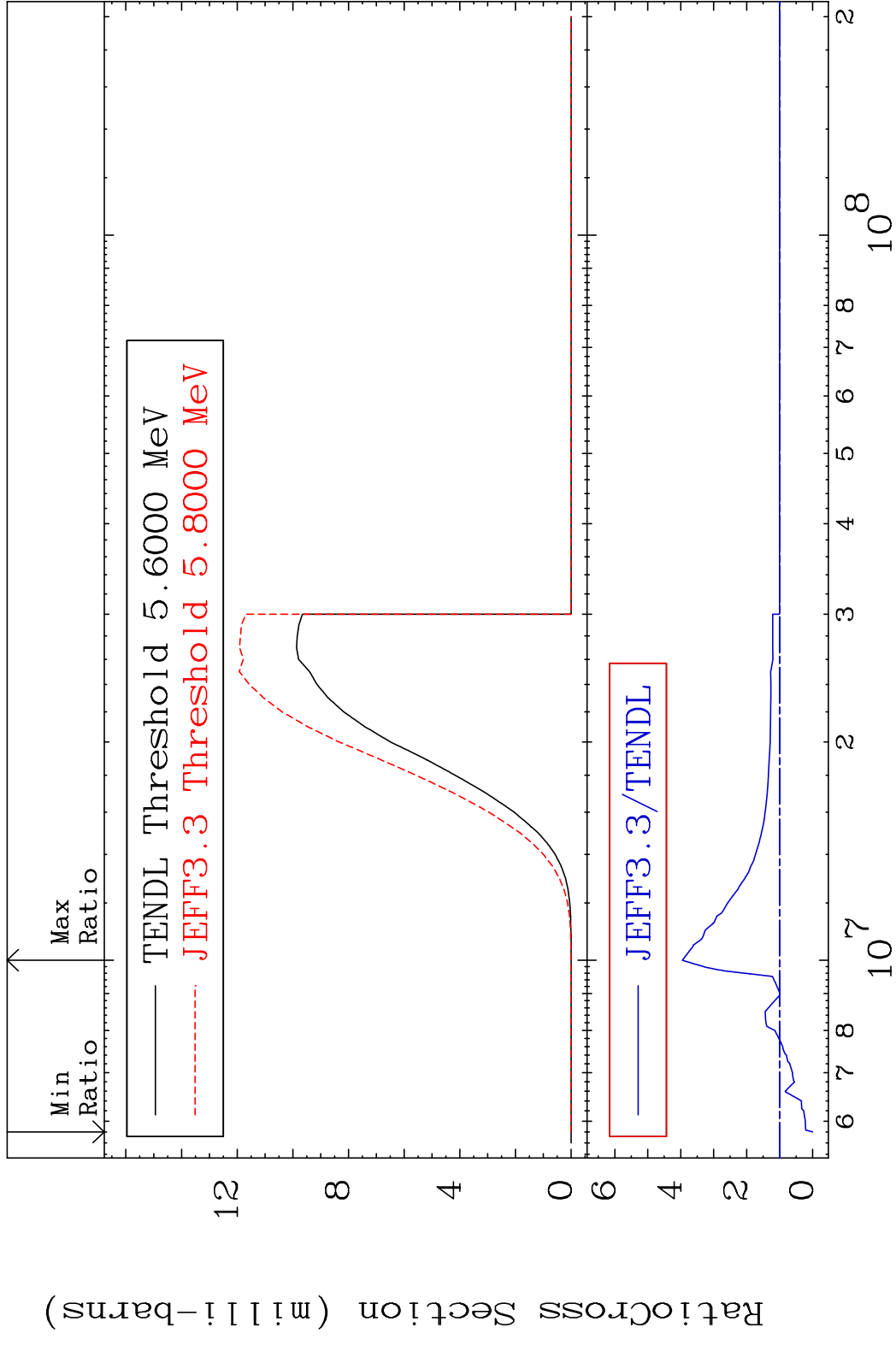
79 Incident Energy (eV) 55-Cs-134

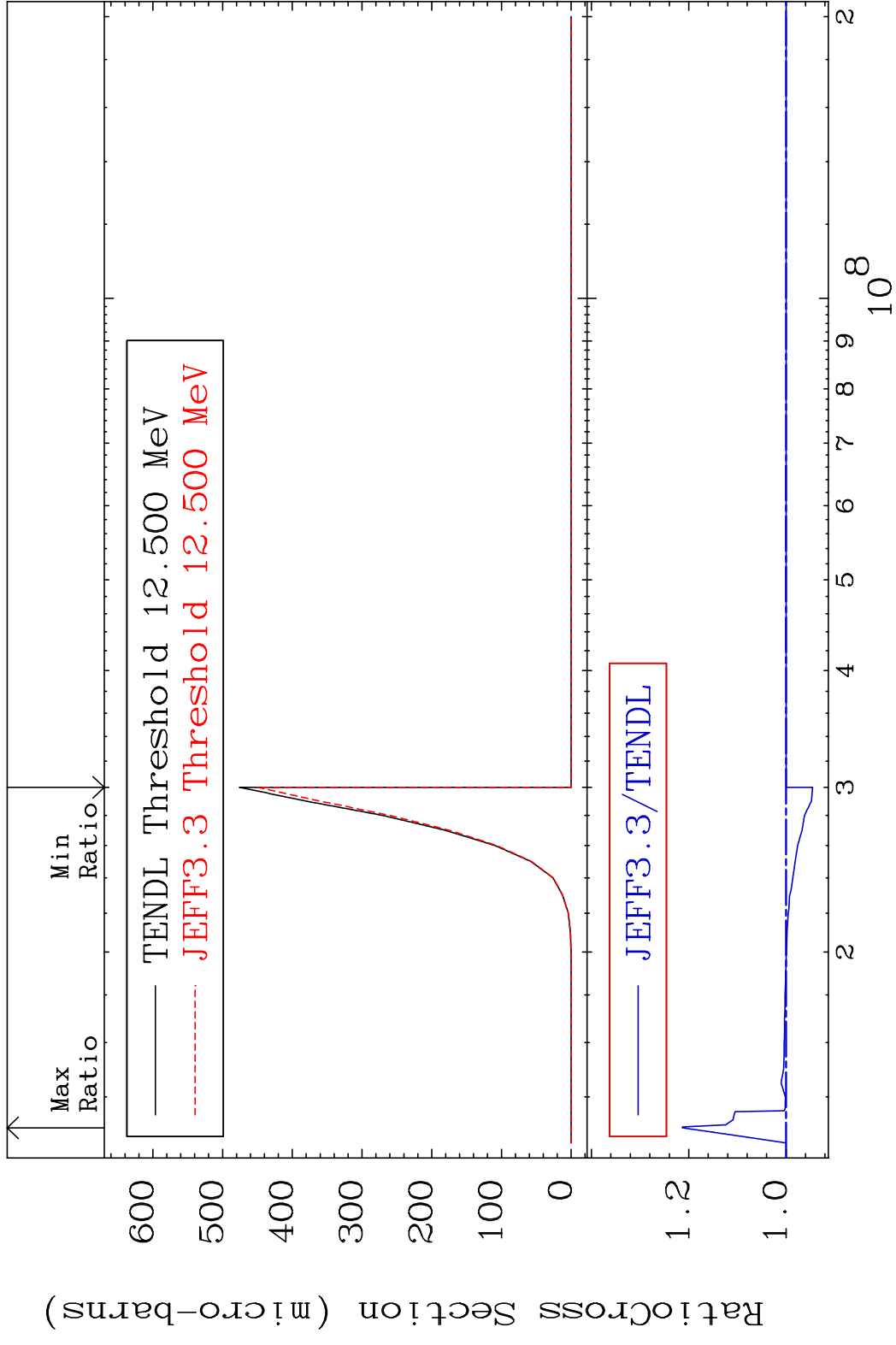
MAT 5528 (n,d):54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section (%) 3660. %



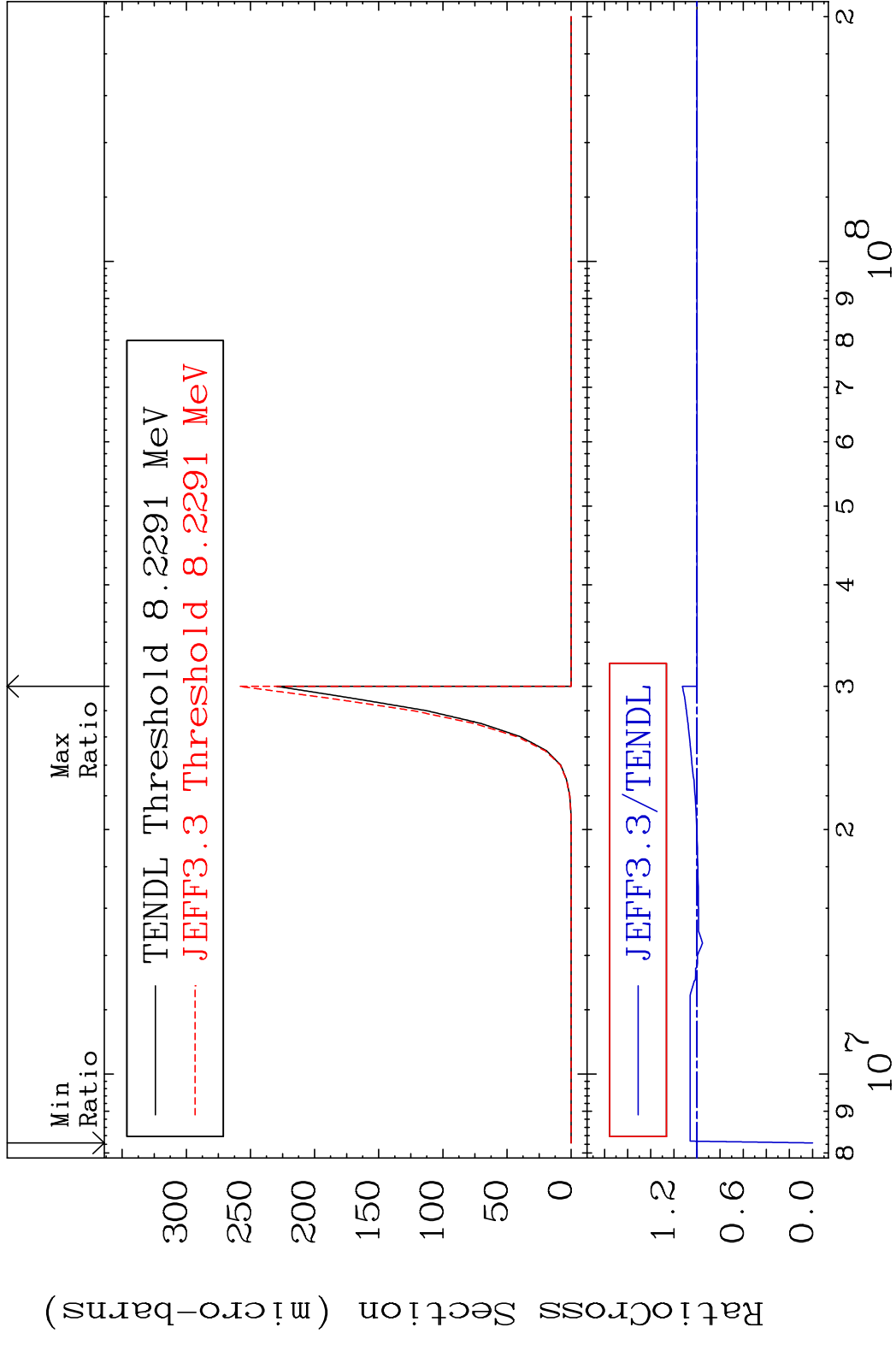
80 Incident Energy (eV) 55-Cs-134

MAT 5528 (n, d):54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section 180.0 dth 295.0 %

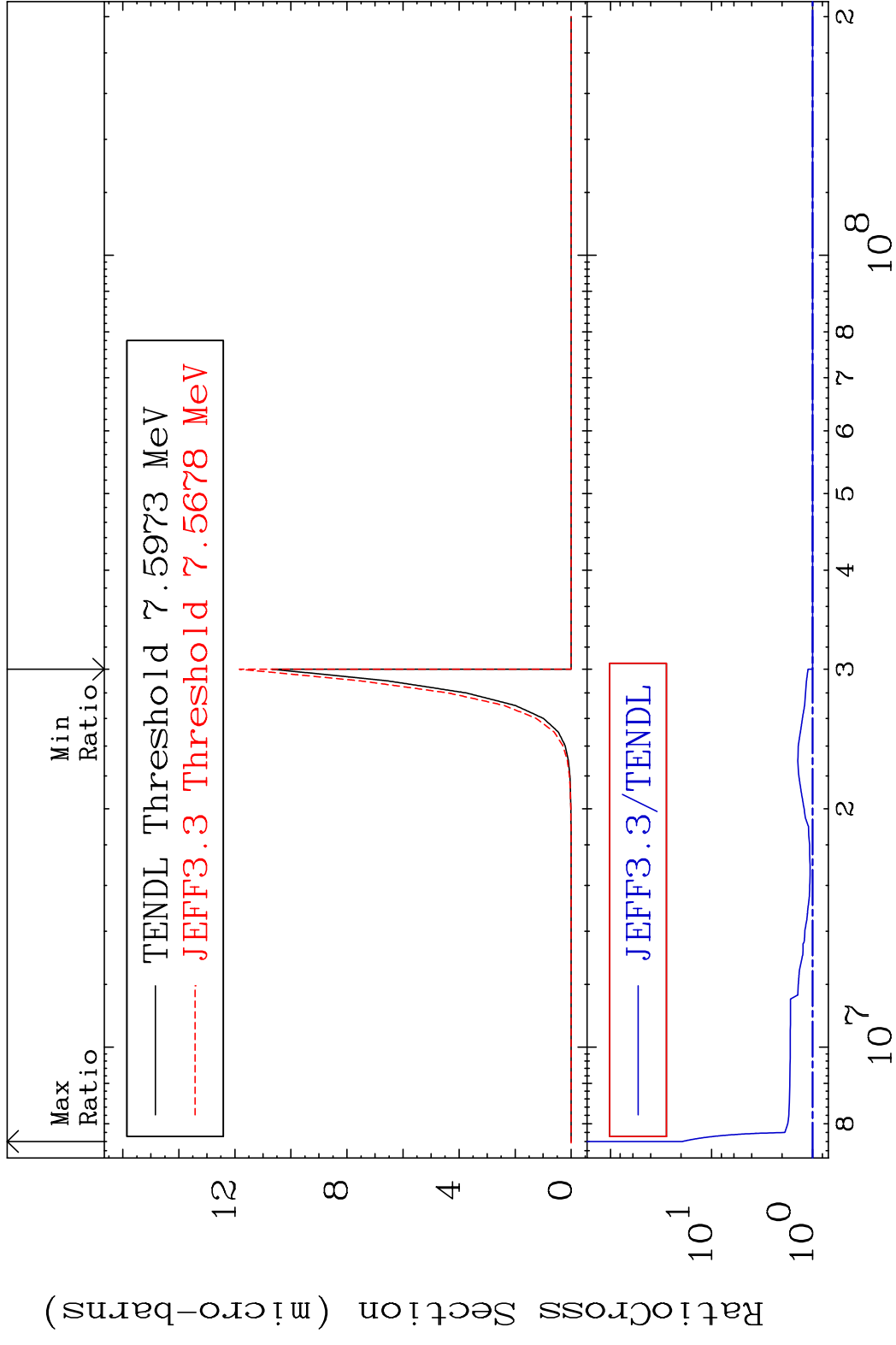


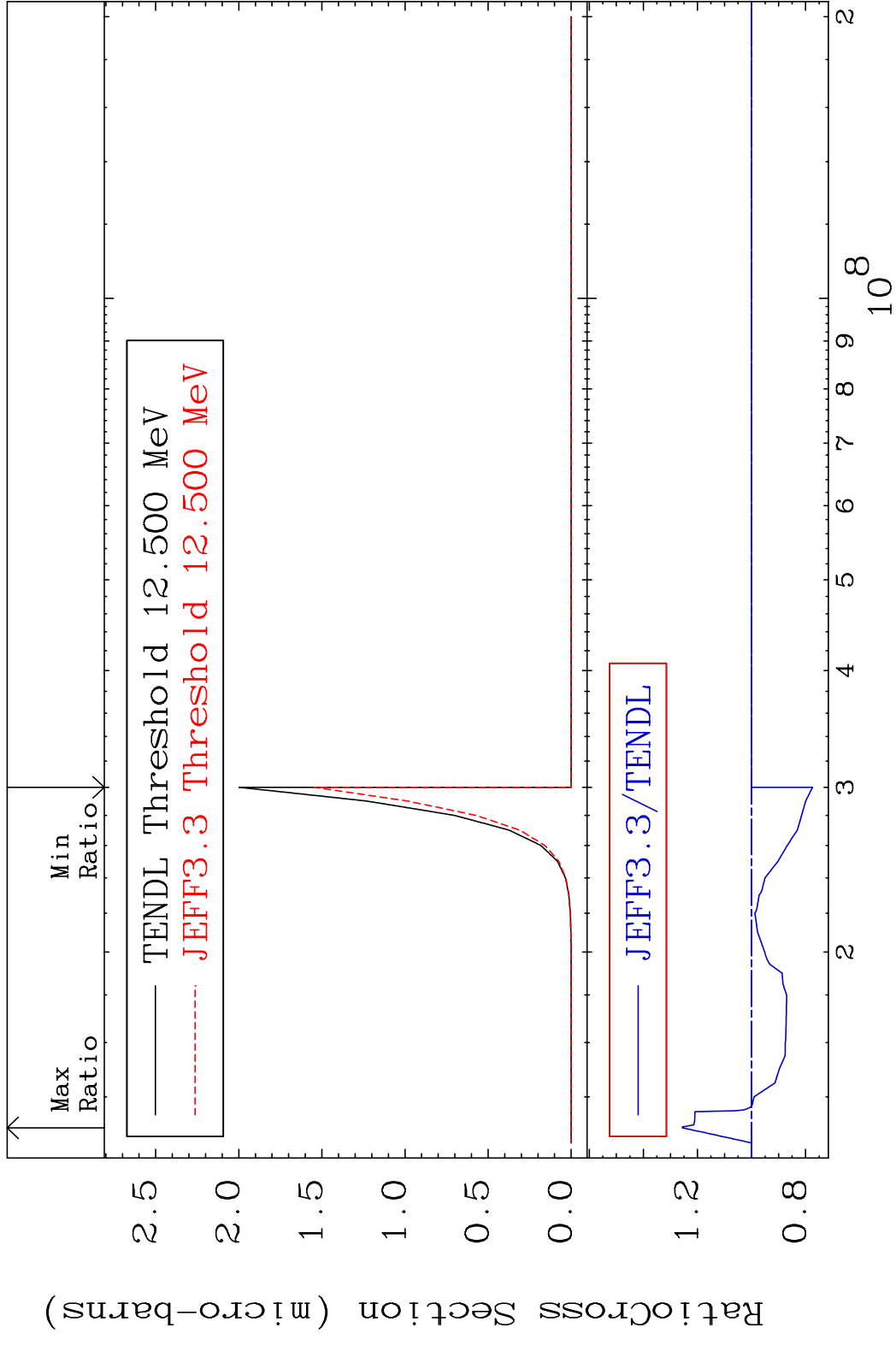


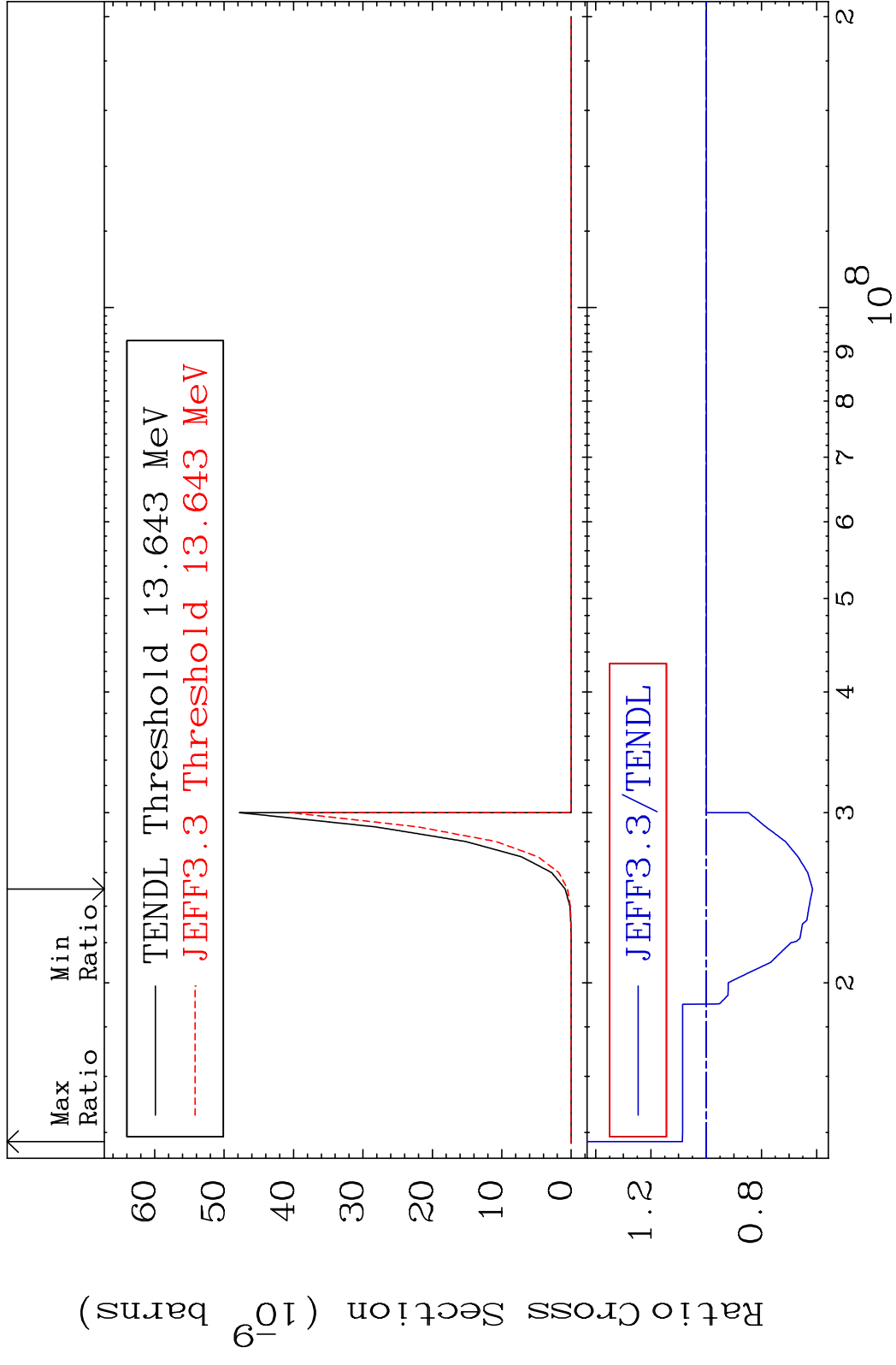
MAT 5528 (n, He-3) :53-I -132m3 55-Cs-134
 Radionuclide Production Cross Section 130.01 dth 12.66 %

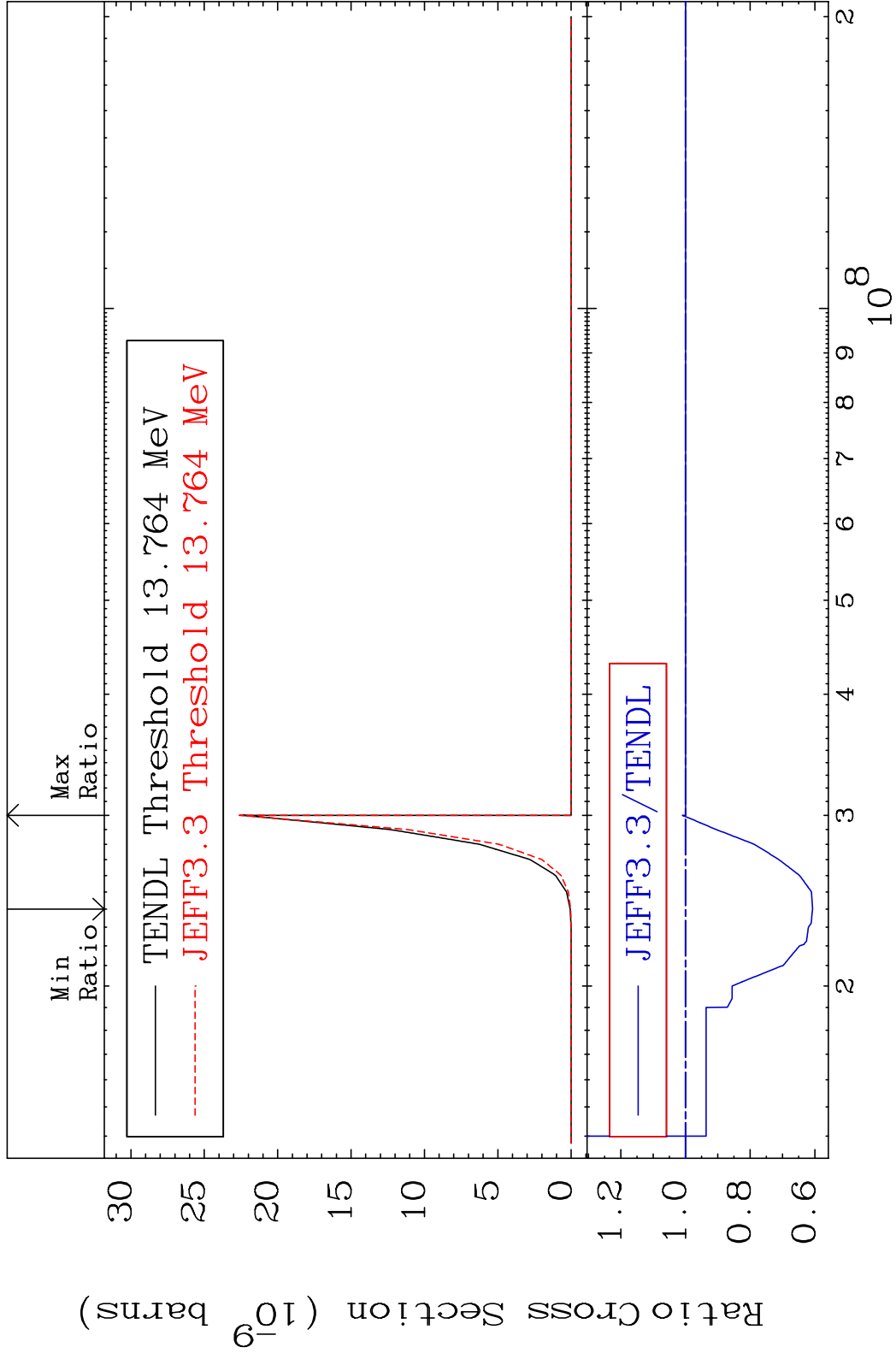


MAT 5528 (n,2p):53-I -133g 55-Cs-134
 Radionuclide Production Cross Section 1843. %

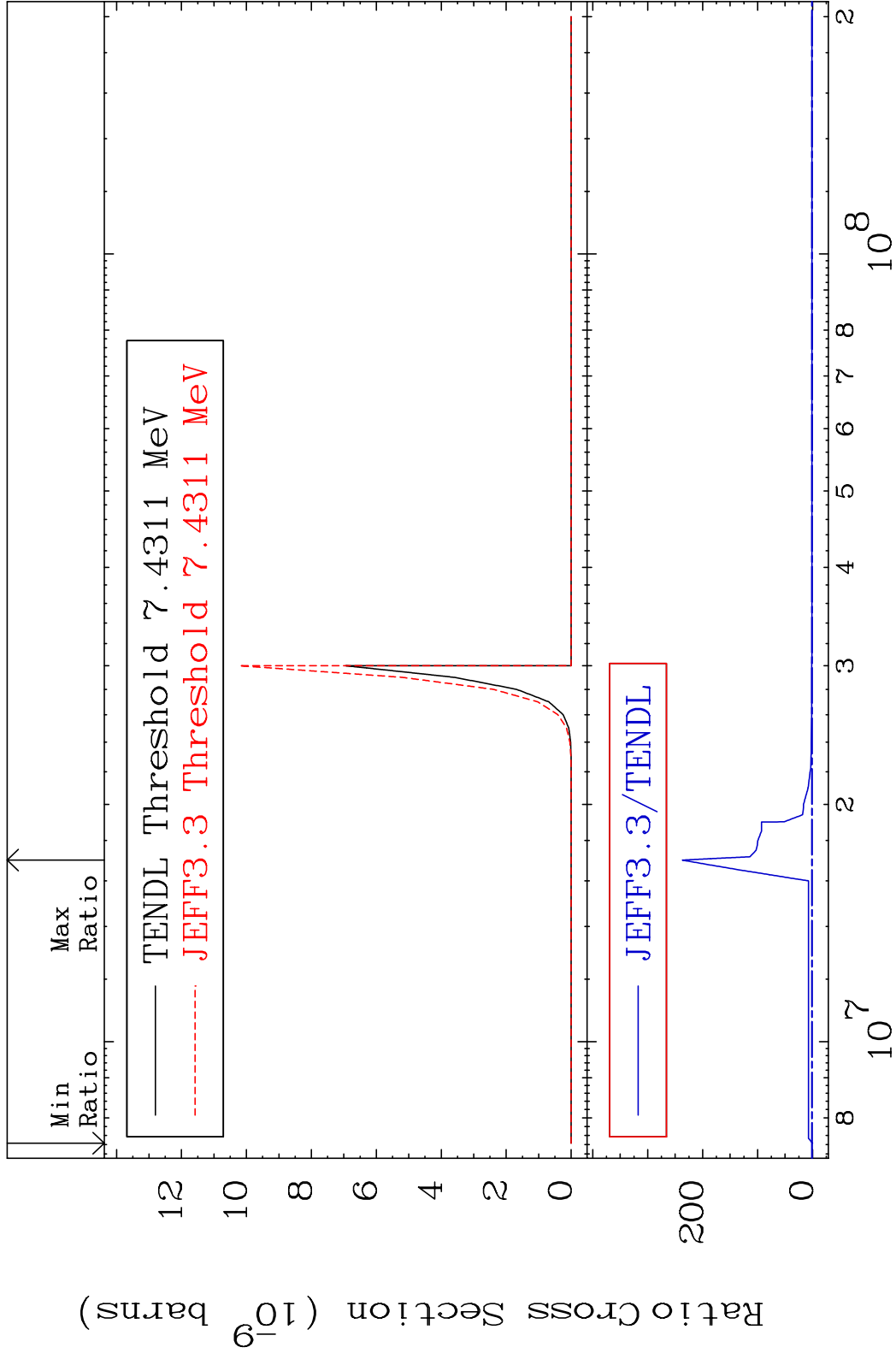








MAT 5528 (n, d) α :52-Te-129g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5528 (n,d) α :52-Te-129m1 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

