

Program Complot
(Version 2021-1)

by

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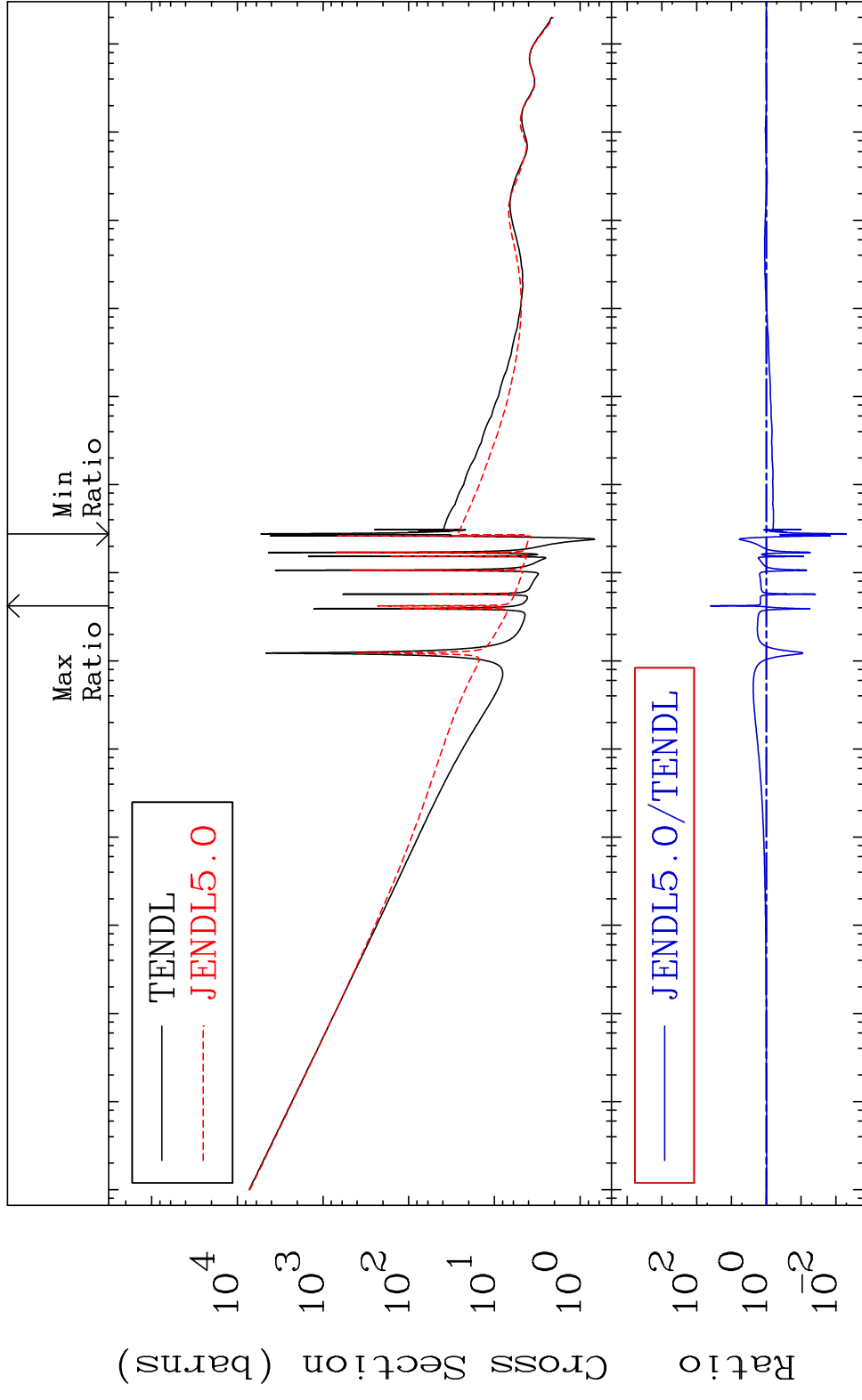
Press Mouse Button to Start

MAT 5528

55-Cs-134

Total

Cross Section -99.50 To 3854. %



1

Incident Energy (eV)

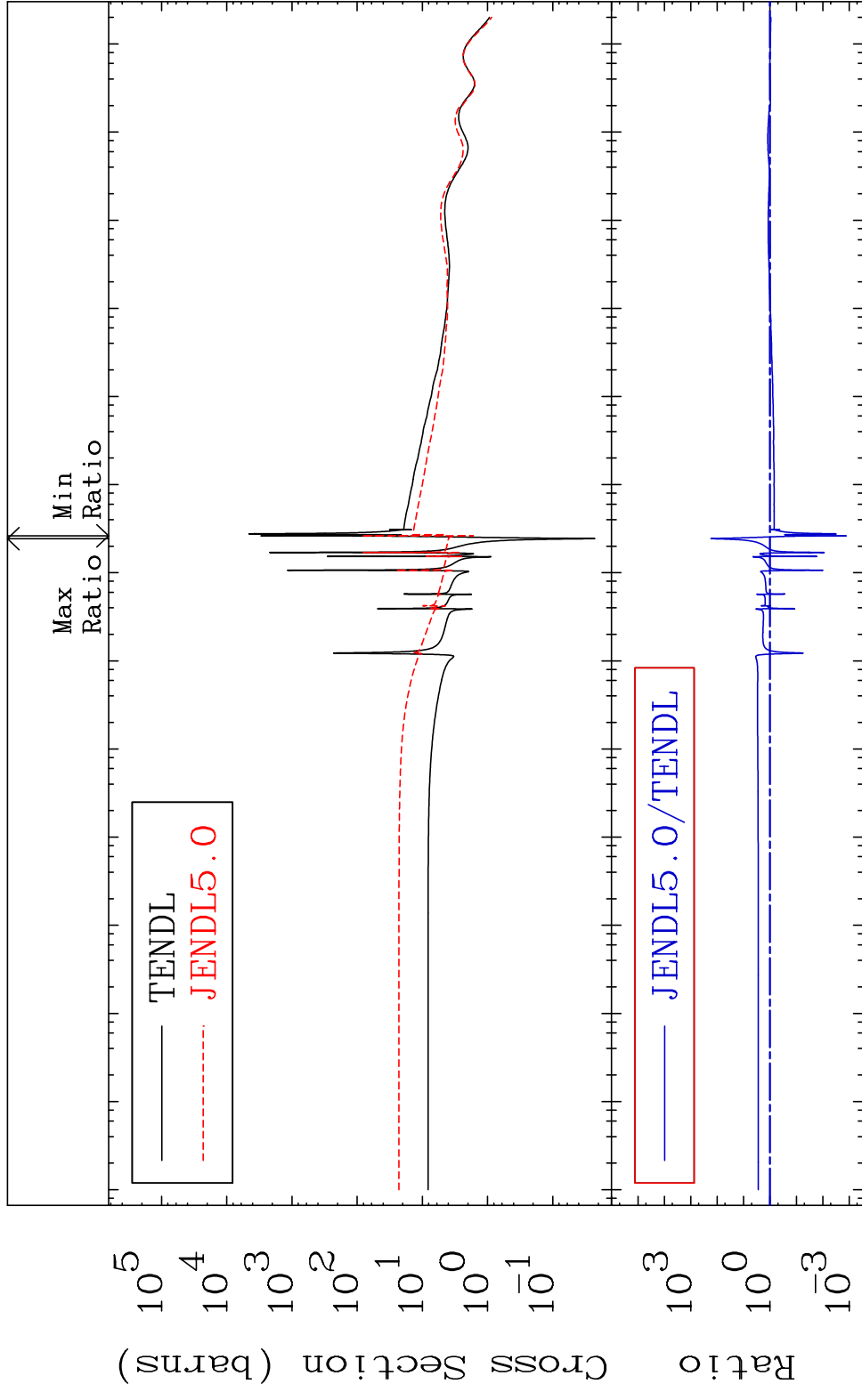
55-Cs-134

MAT 5528

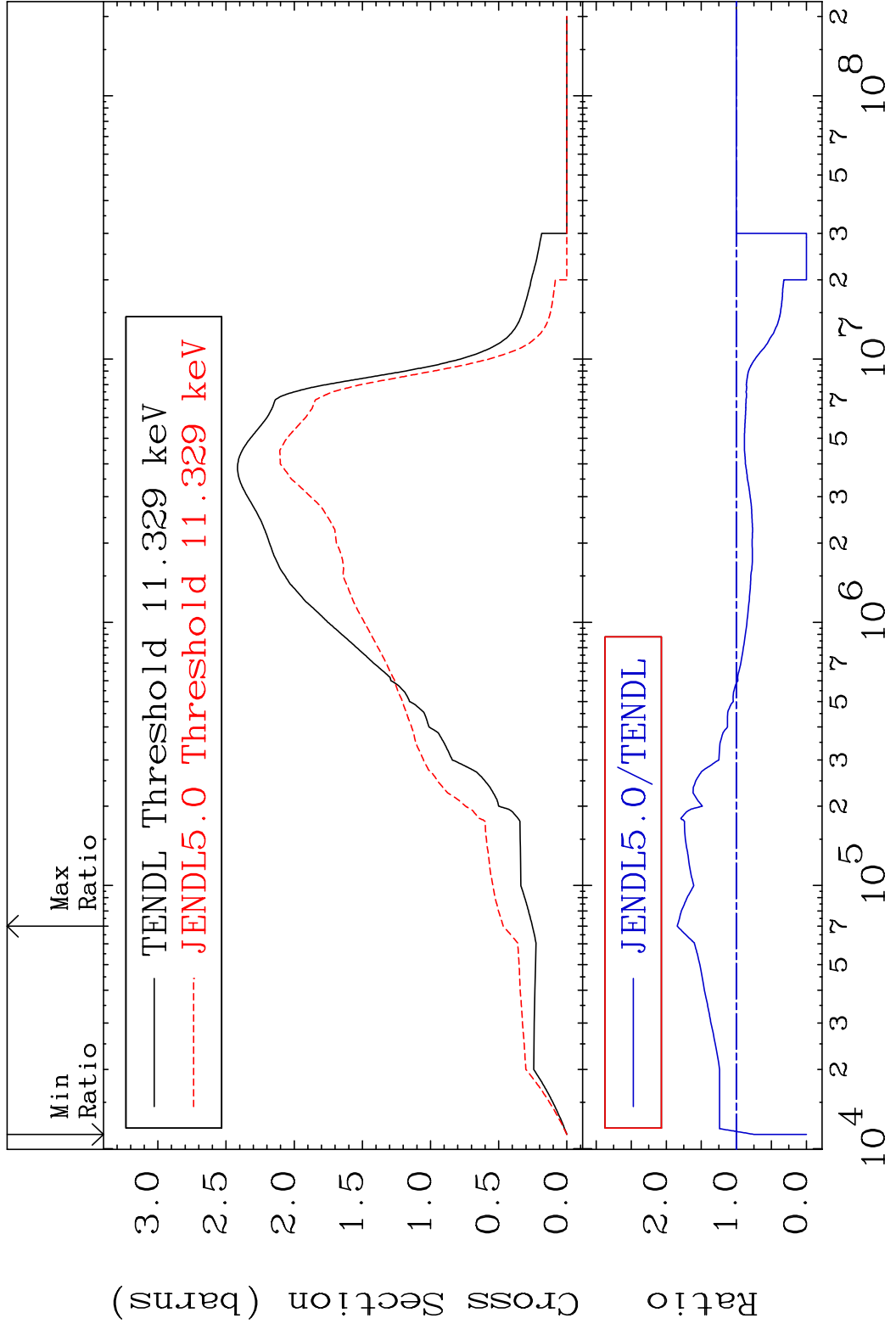
Elastic

55-Cs-134

Cross Section -99.87 To 9999. %



MAT 5528 Inelastic 55-Cs-134
 Cross Section -100.0 To 84.39 %



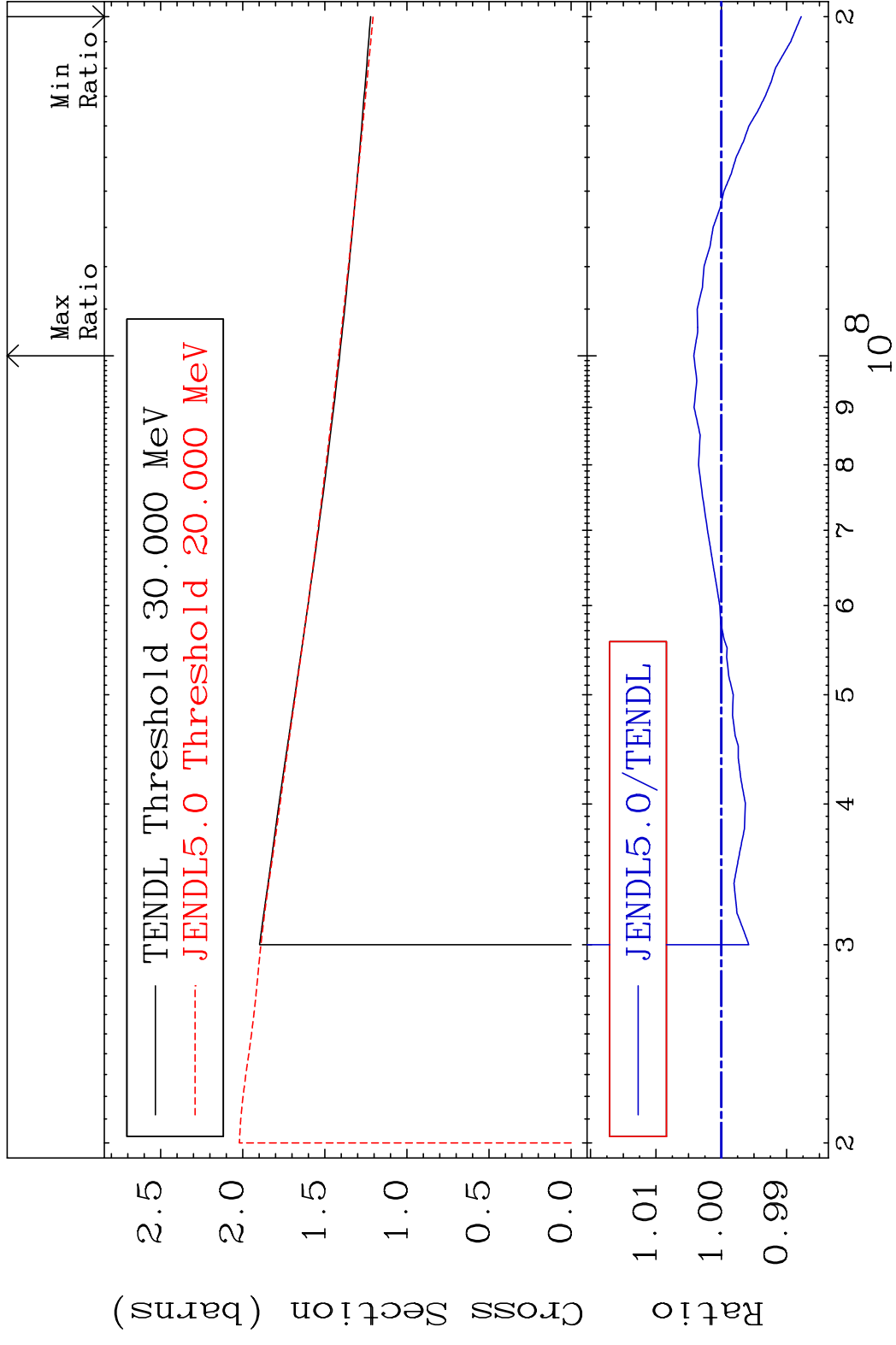
3 3 Incident Energy (eV) 55-Cs-134

MAT 5528

(n, remainder)

55-Cs-134

Cross Section -1.222 To 0.421 %

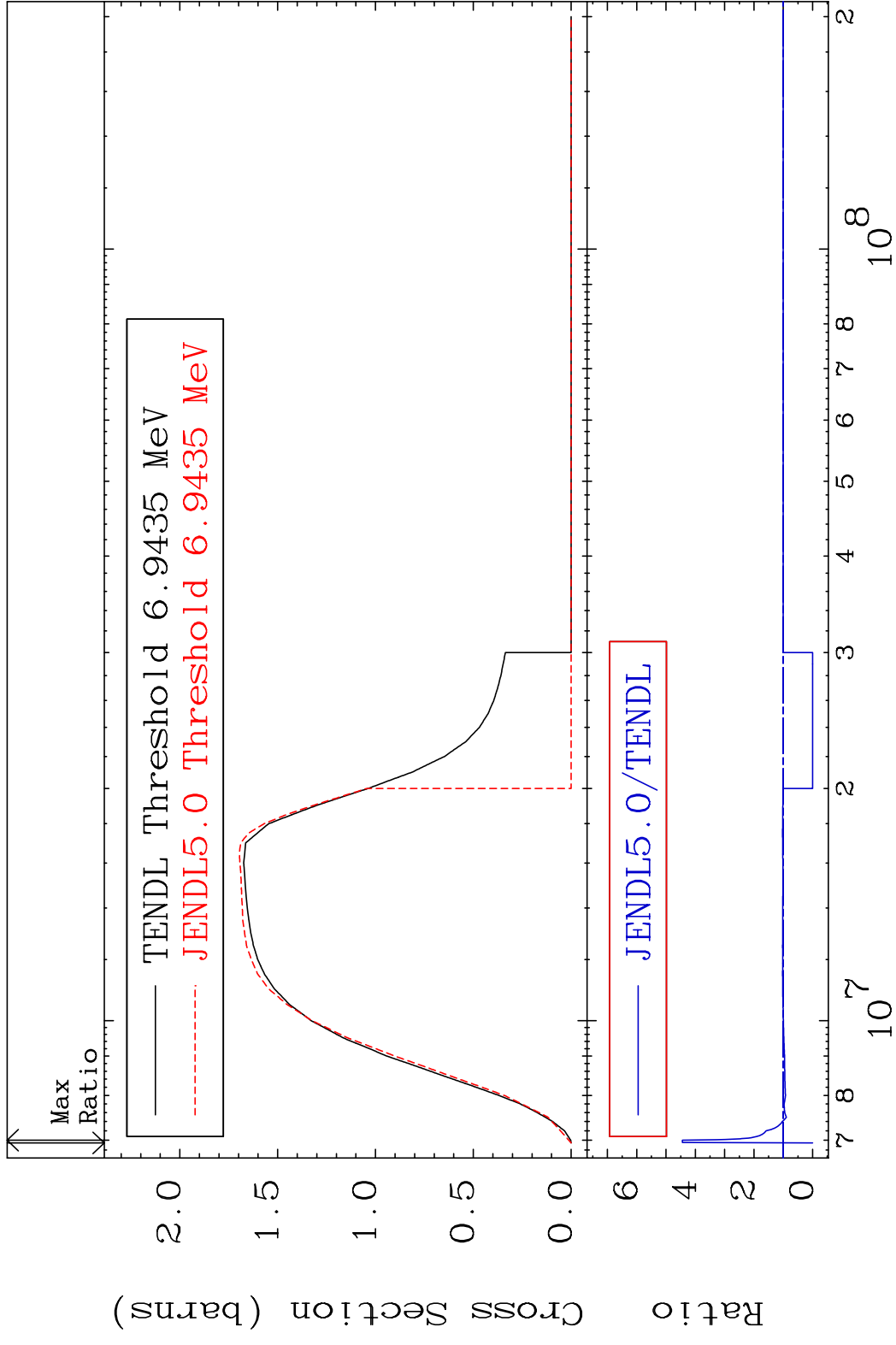


4

Incident Energy (eV)

55-Cs-134

MAT 5528 (n,2n) 55-Cs-134
 Cross Section -100.0 To 344.3 %



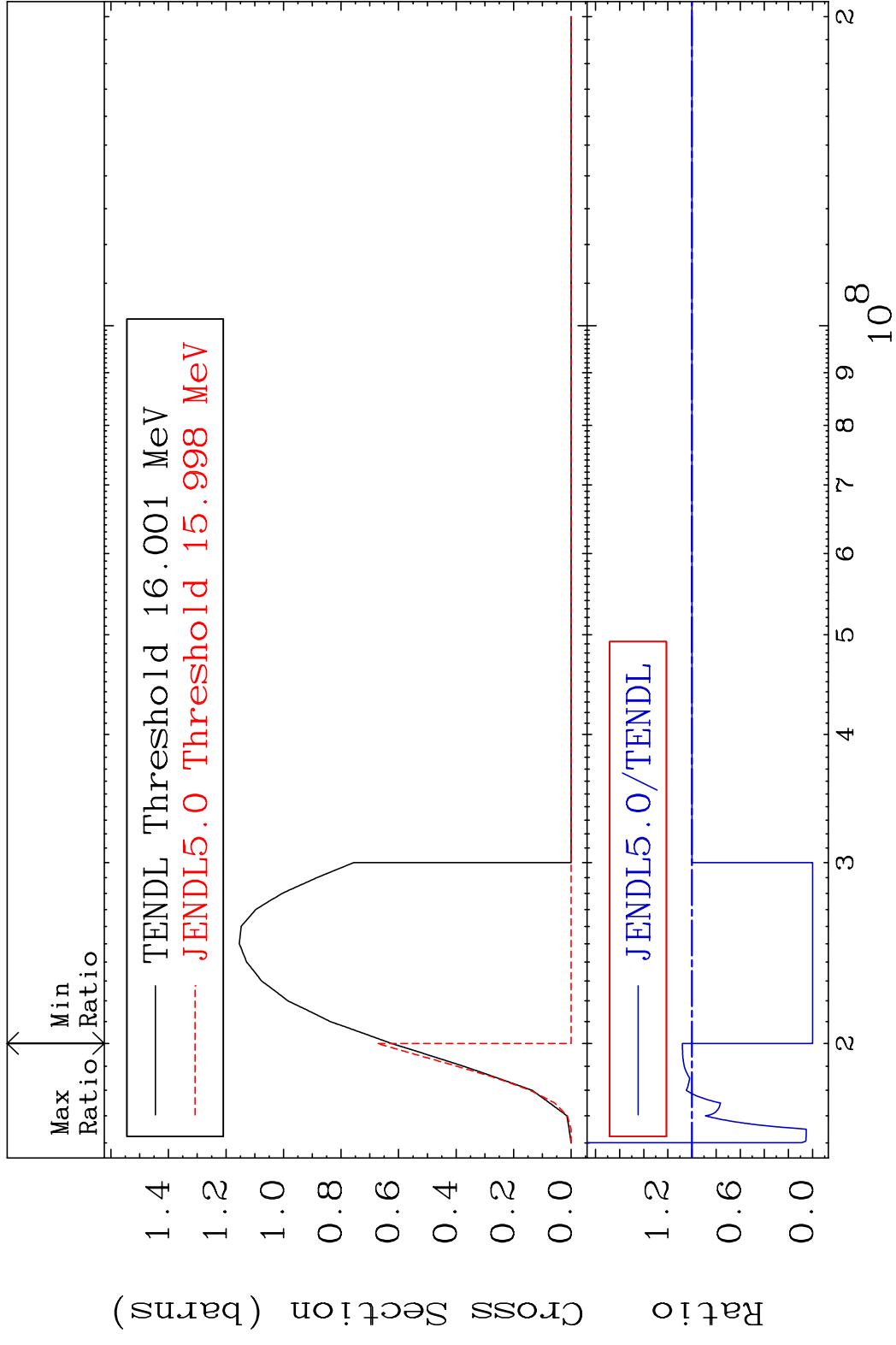
5 Incident Energy (eV) 55-Cs-134

MAT 5528

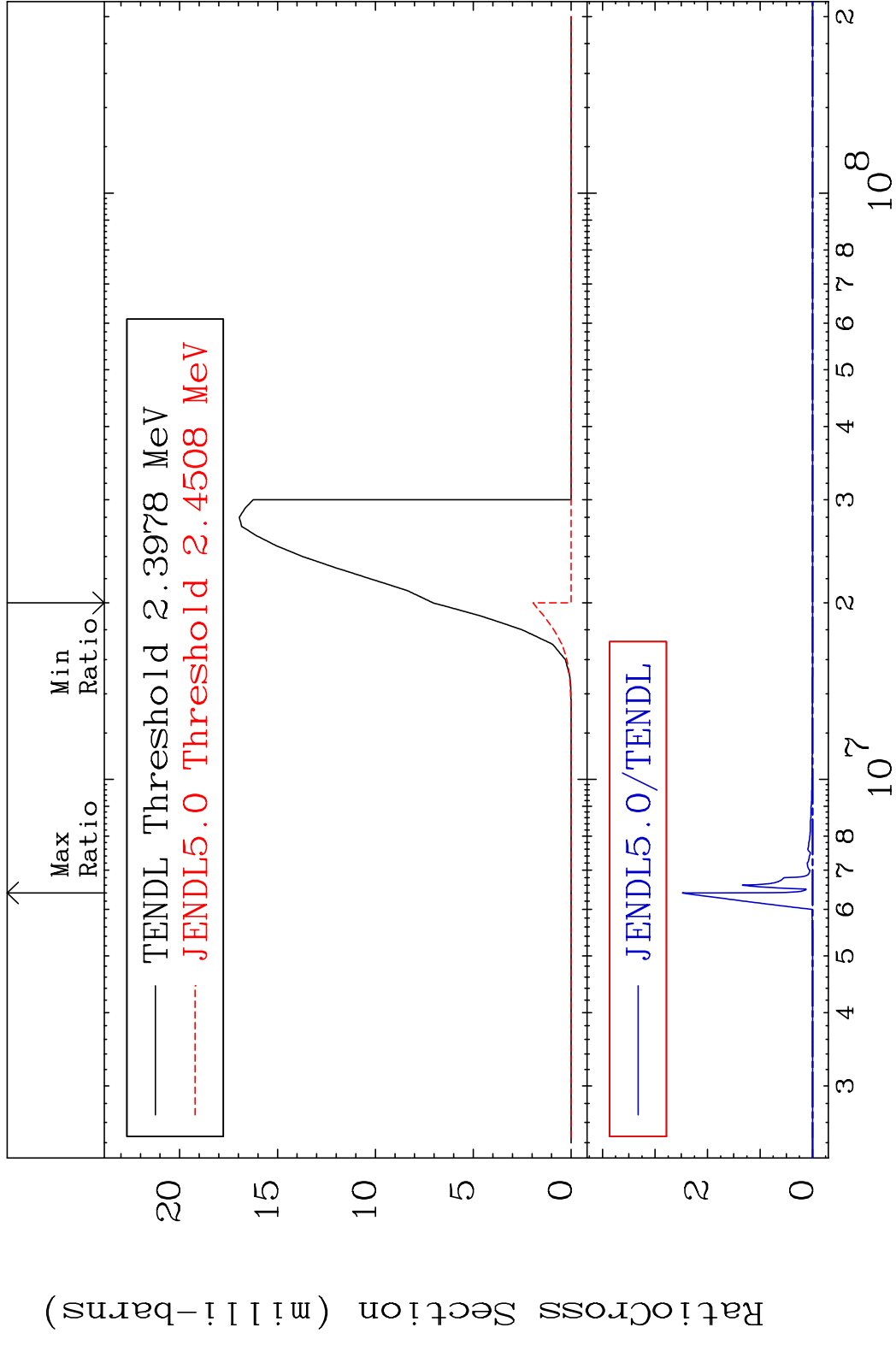
(n,3n)

55-Cs-134

Cross Section -100.0 To 7.989 %



MAT 5528 (n, n') α 55-Cs-134
 Cross Section -100.0 To 9999. %



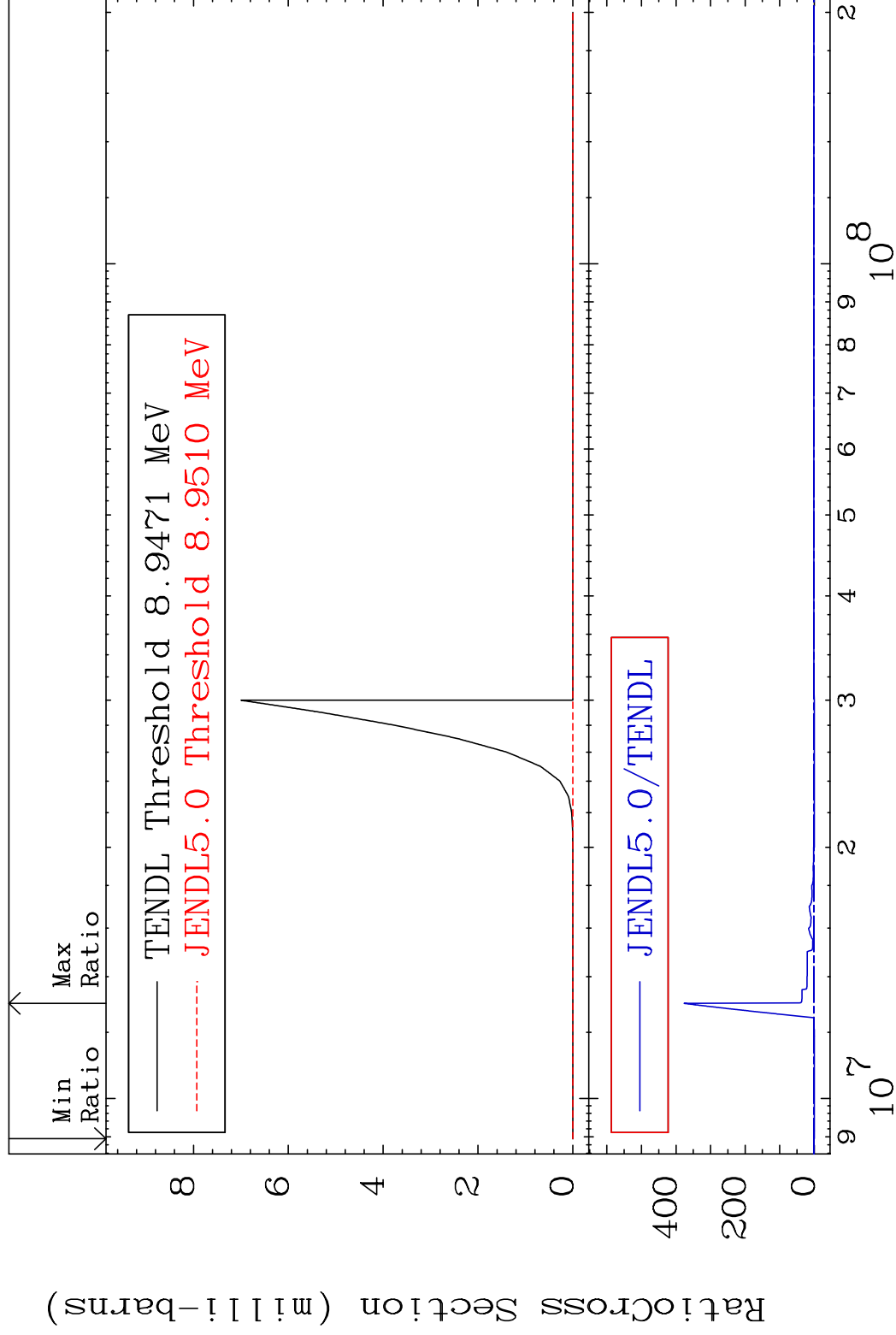
7 Incident Energy (eV) 55-Cs-134

MAT 5528

(n,2n) α

55-Cs-134

Cross Section -100.0 To 9999. %

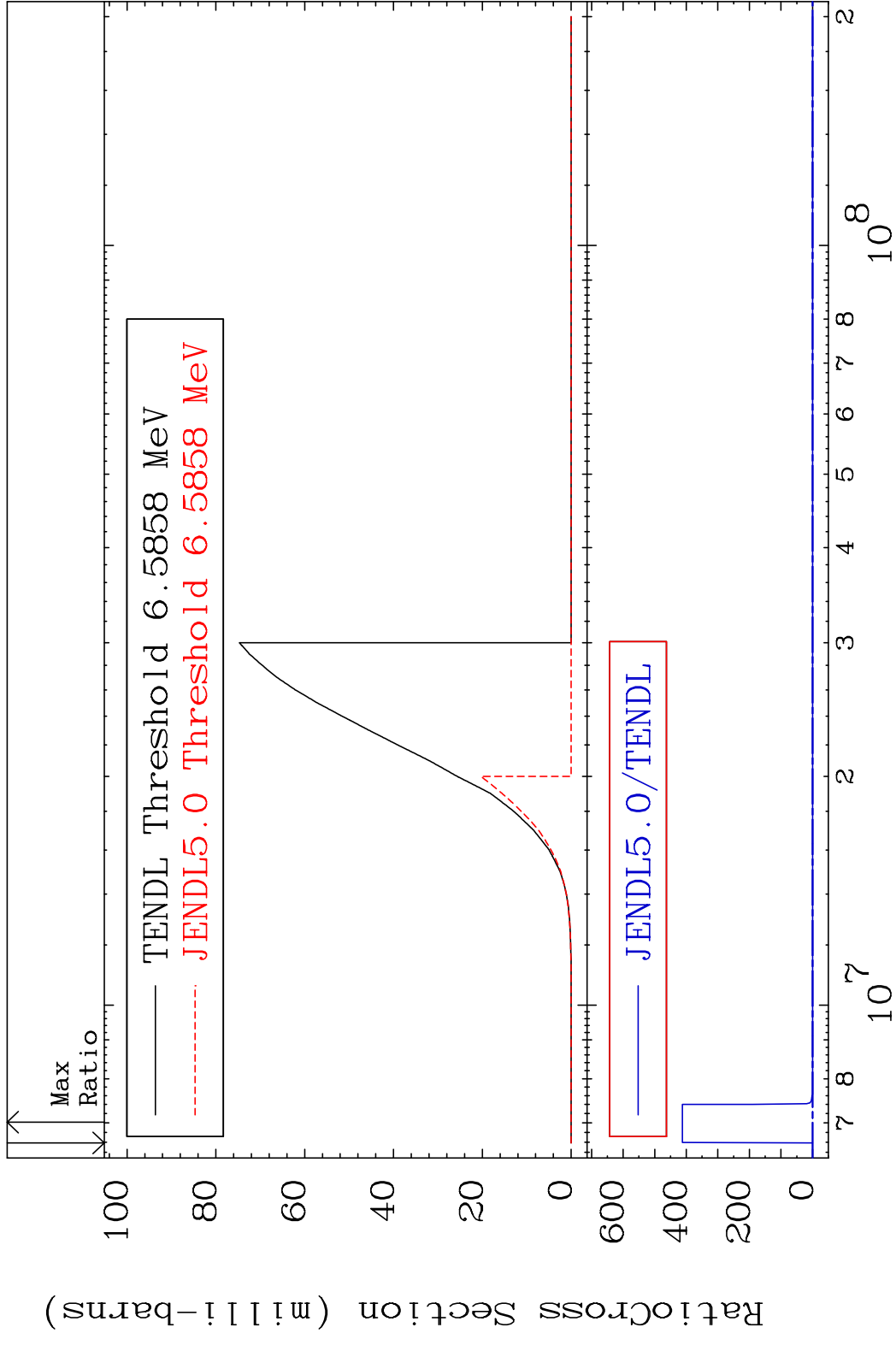


8

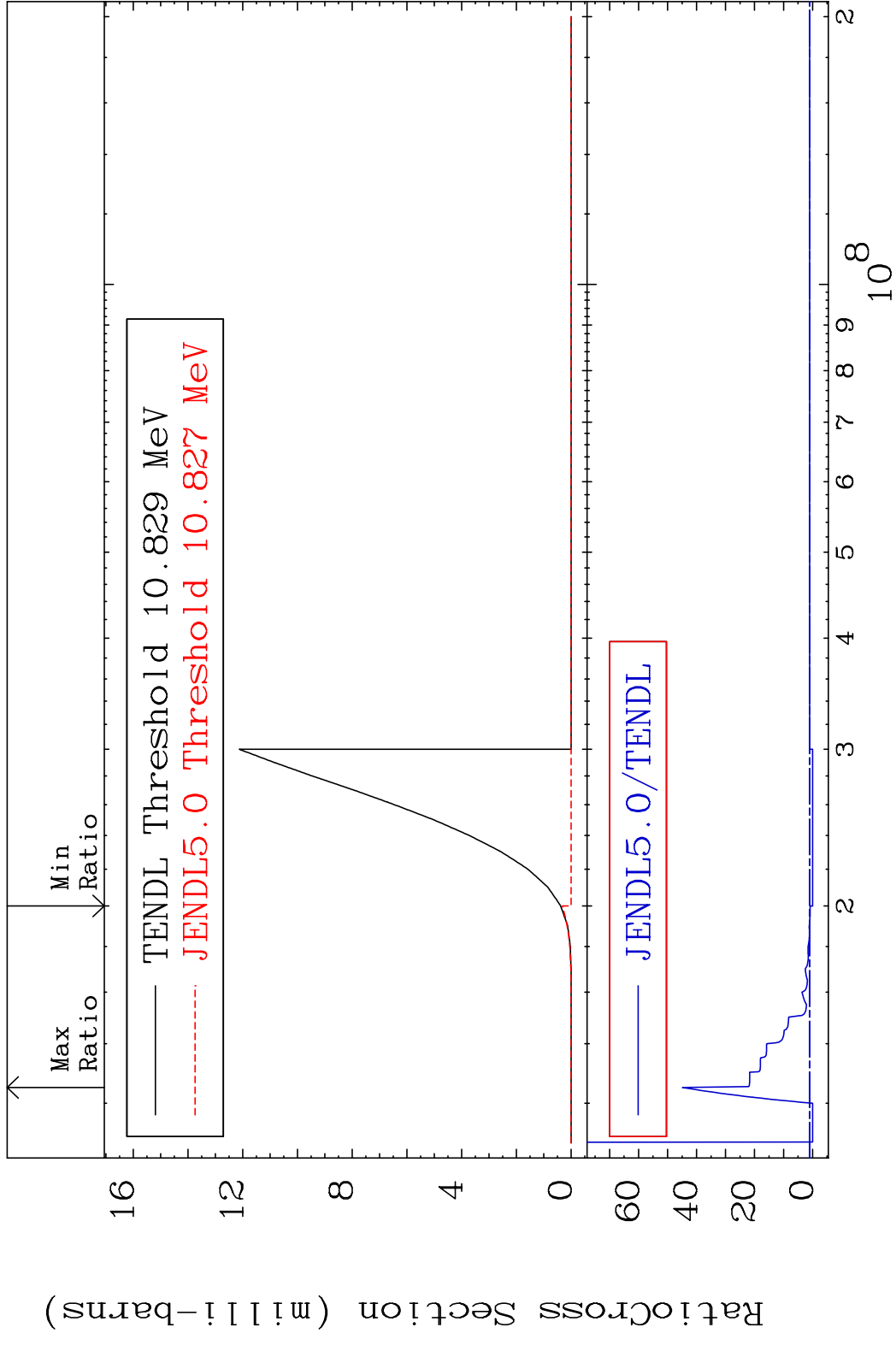
Incident Energy (eV)

55-Cs-134

MAT 5528 (n, n') p 55-Cs-134
 Cross Section -100.0 To 9999. %

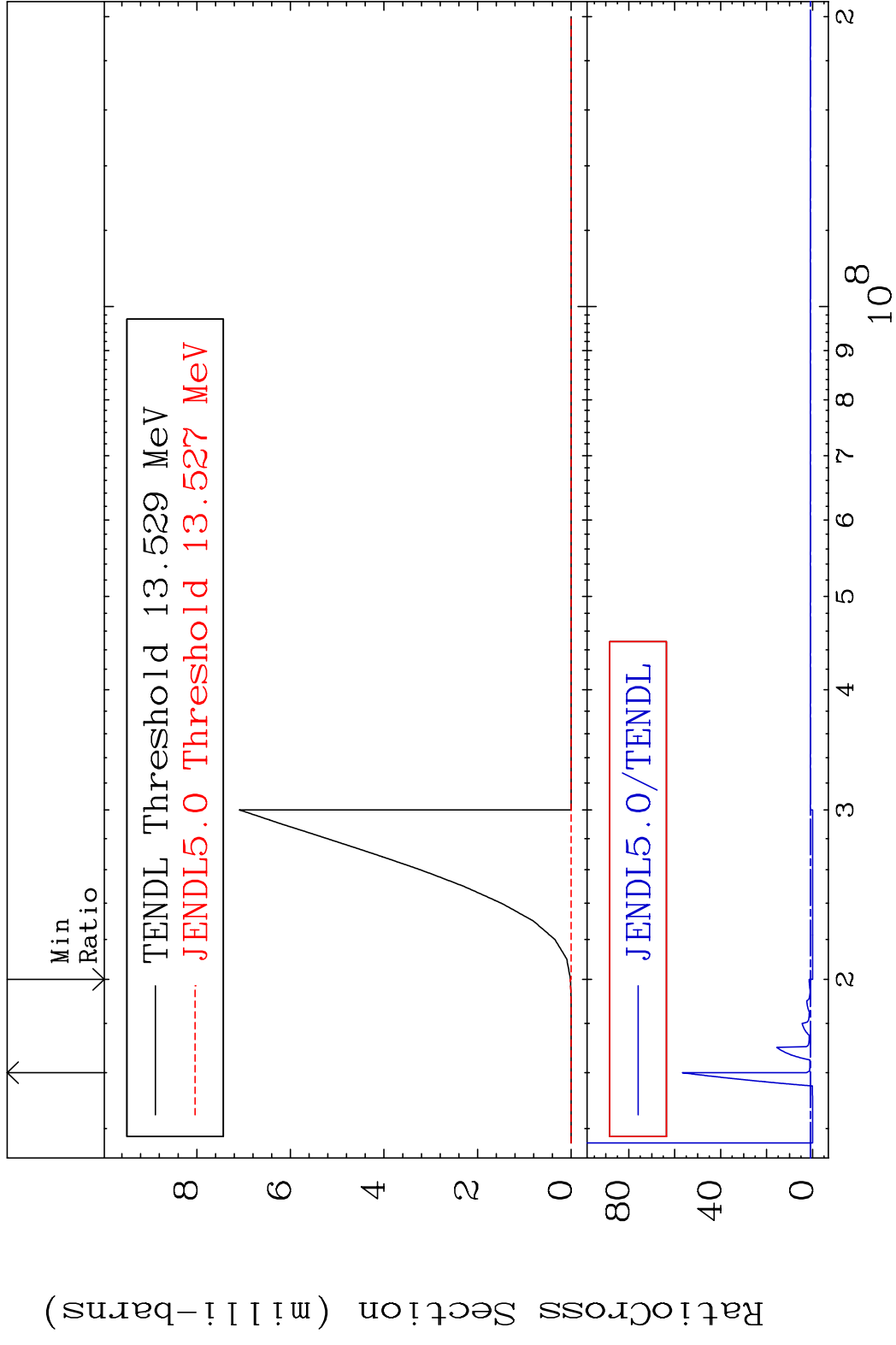


MAT 5528 (n, n') d 55-Cs-134
 Cross Section -100.0 To 4390. %



10 Incident Energy (eV) 55-Cs-134

MAT 5528 (n, n') t 55-Cs-134
 Cross Section -100.0 To 5568. %

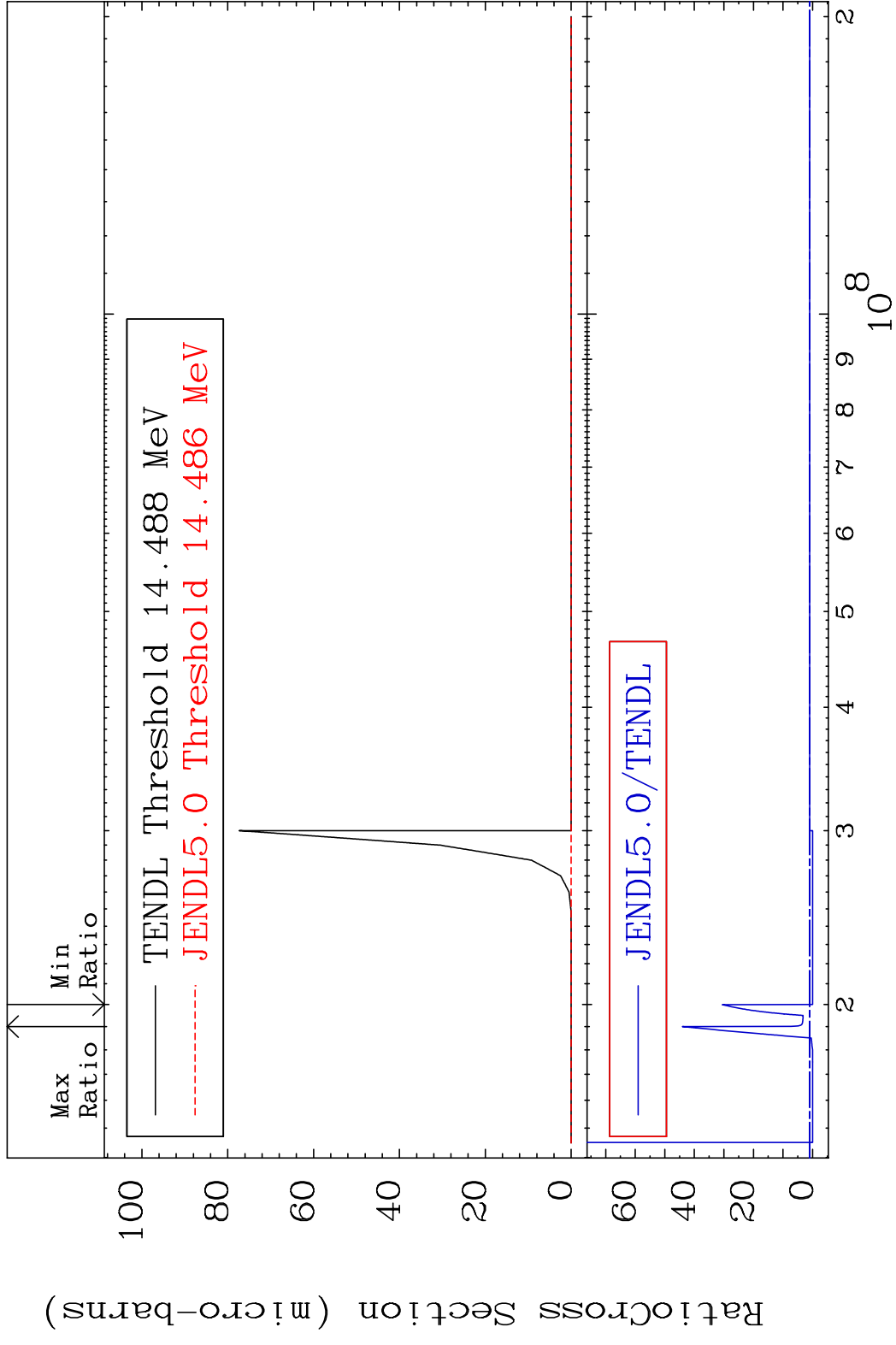


MAT 5528

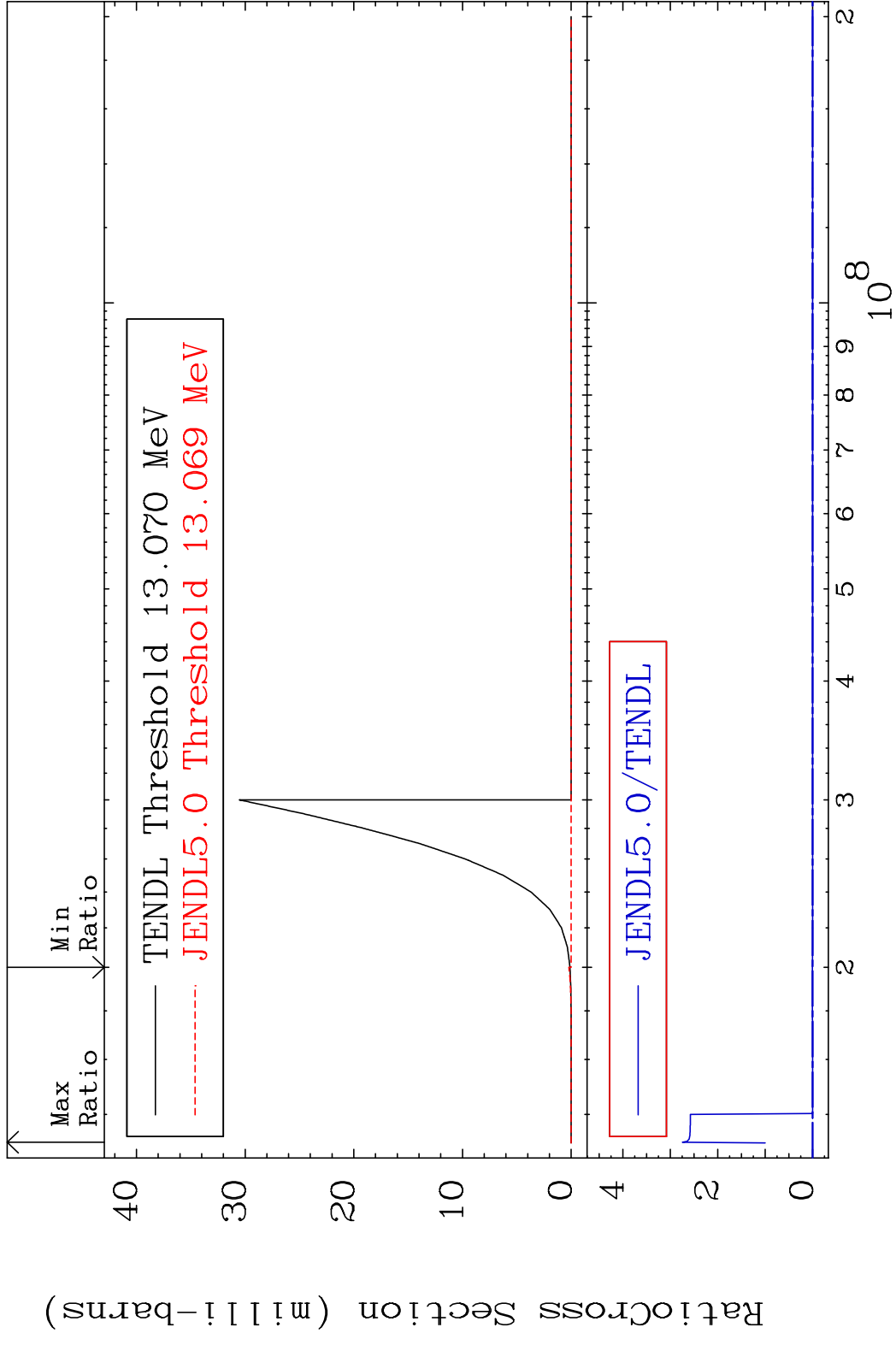
(n,n') He-3

55-Cs-134

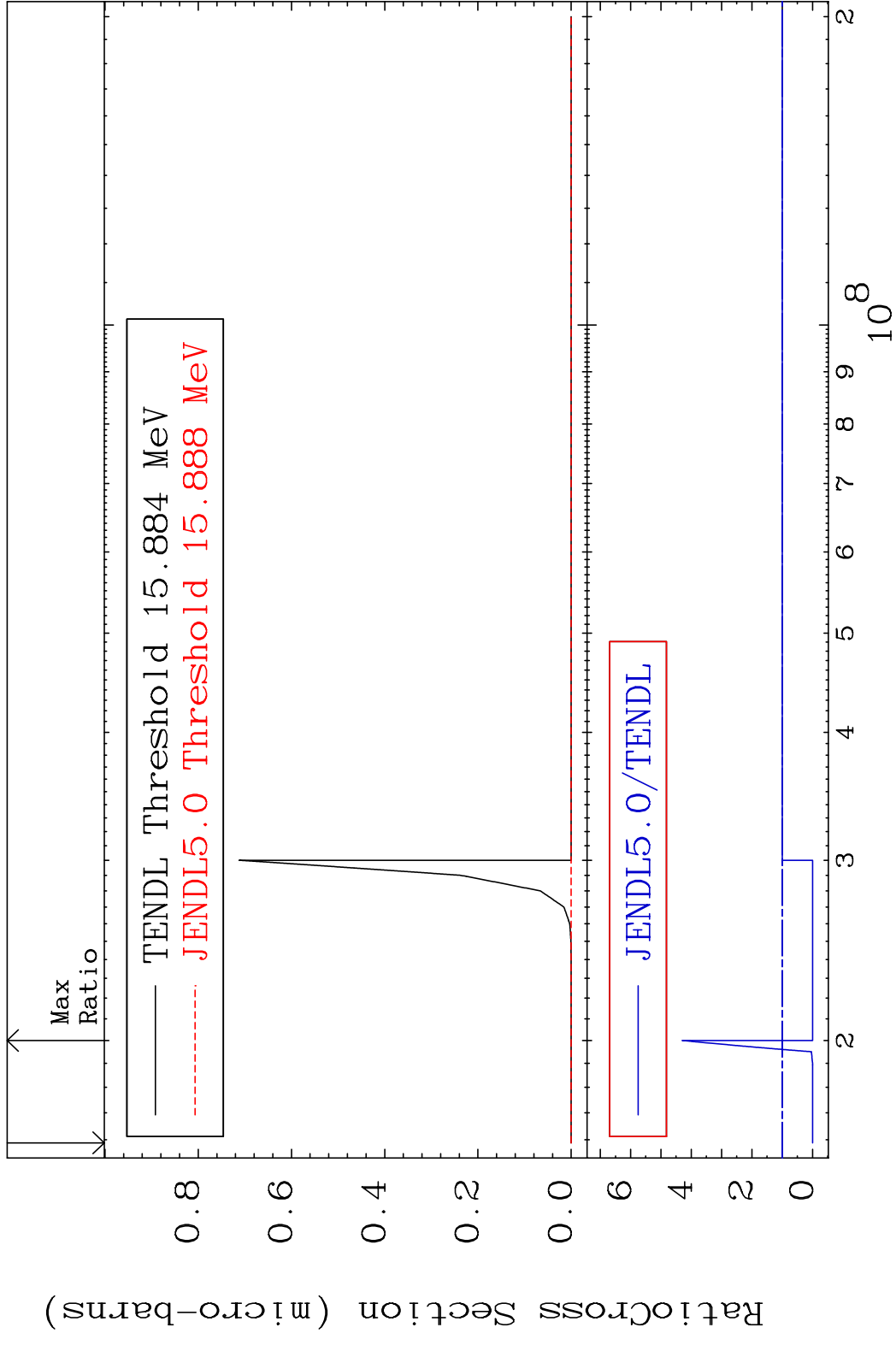
Cross Section -100.0 To 4306. %



MAT 5528 (n,2n) p 55-Cs-134
 Cross Section -100.0 To 9999. %



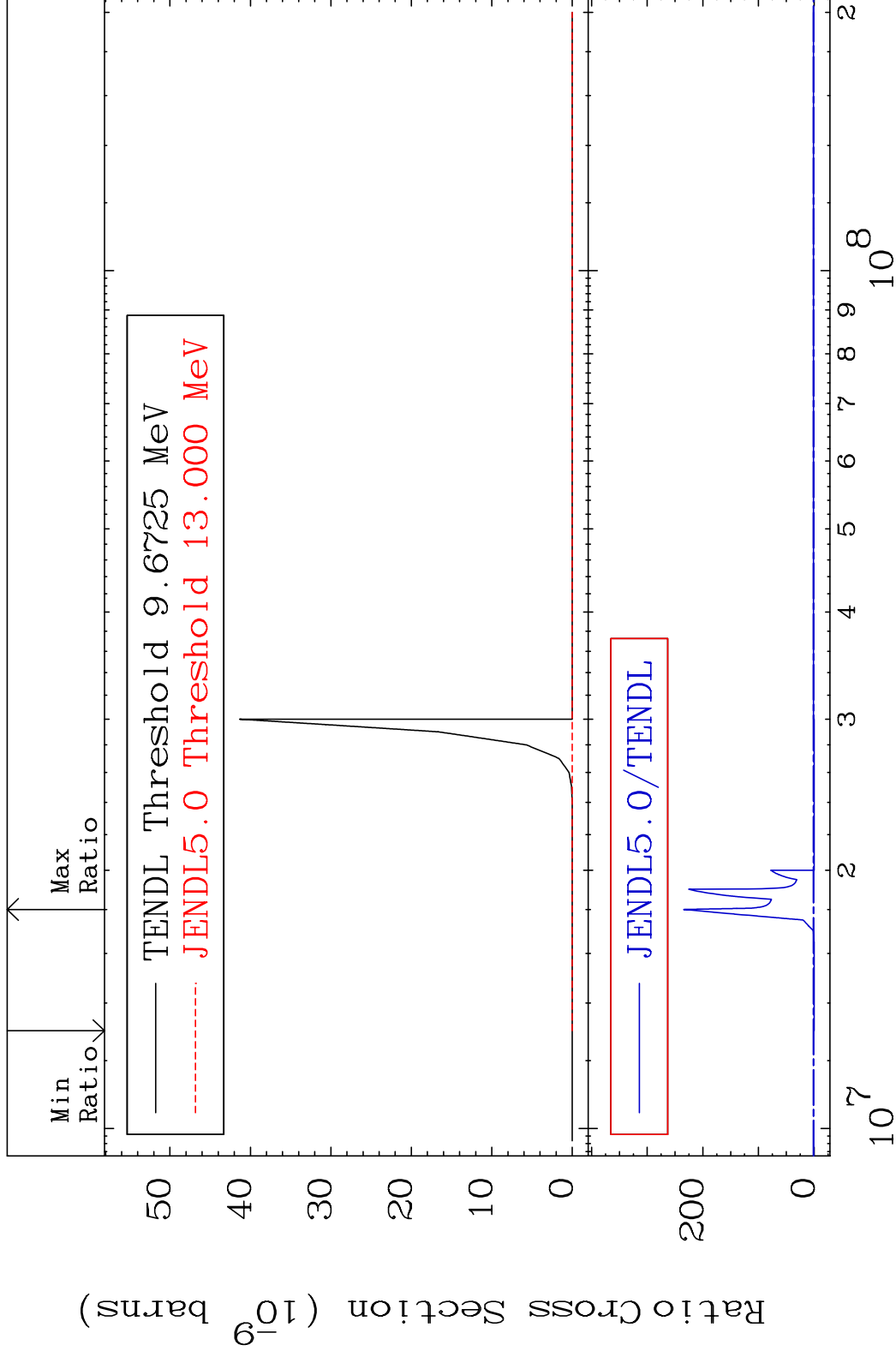
MAT 5528 (n,2n) p 55-Cs-134
 Cross Section -100.0 To 329.4 %



MAT 5528

(n,n') p α 55-Cs-134

Cross Section -100.0 To 9999. %

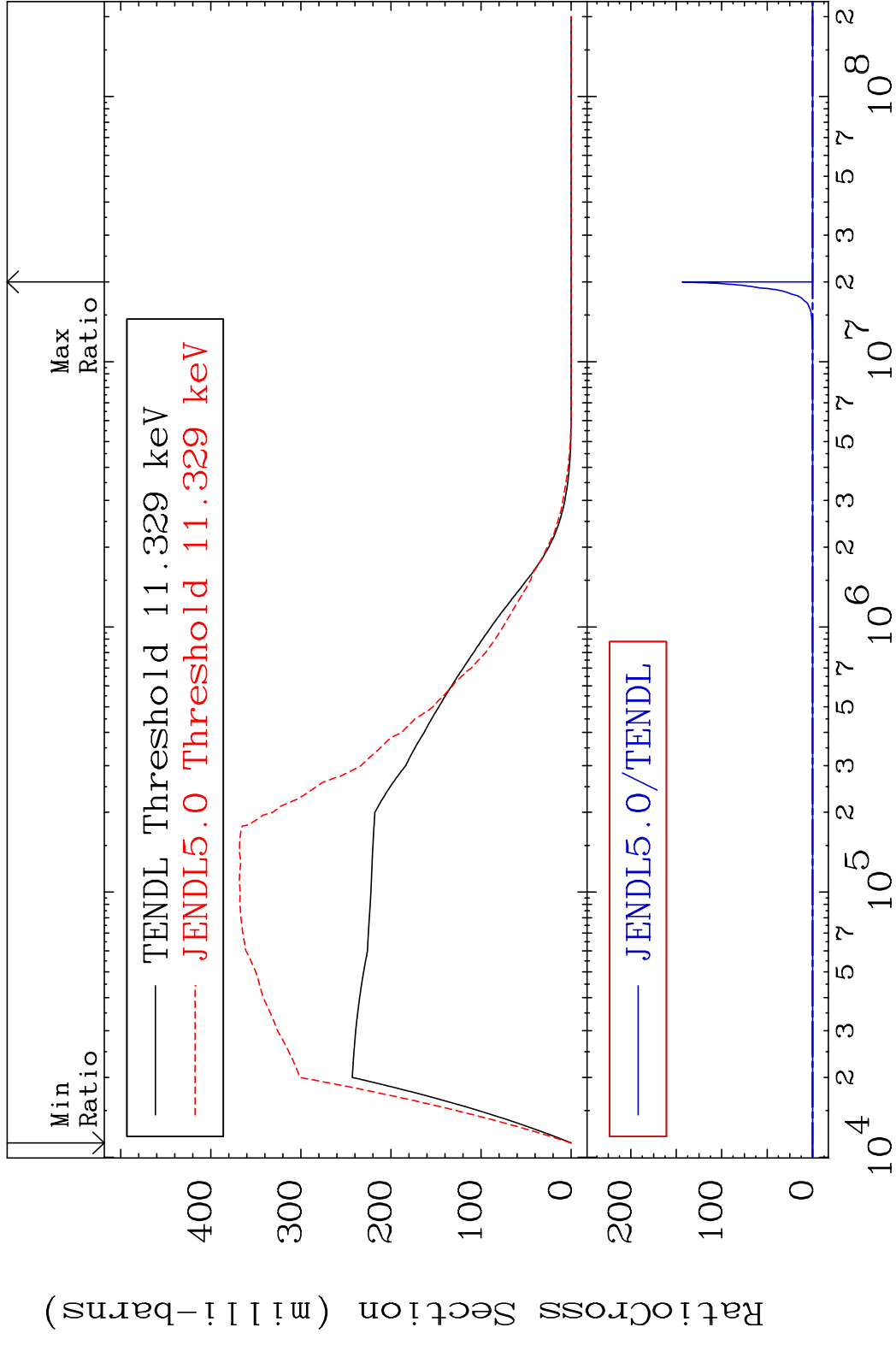


15

Incident Energy (eV)

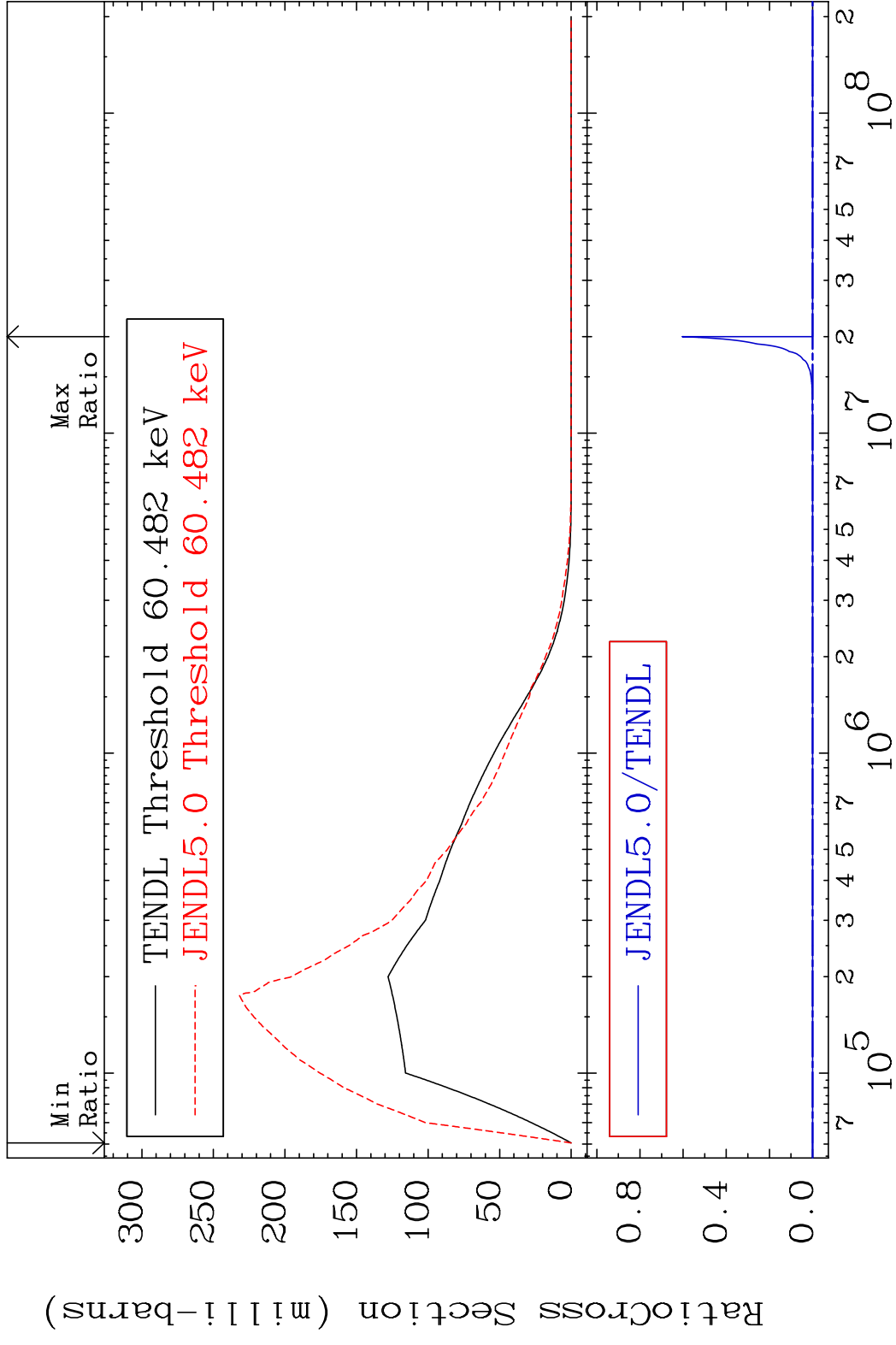
55-Cs-134

MAT 5528 MT= 51 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %

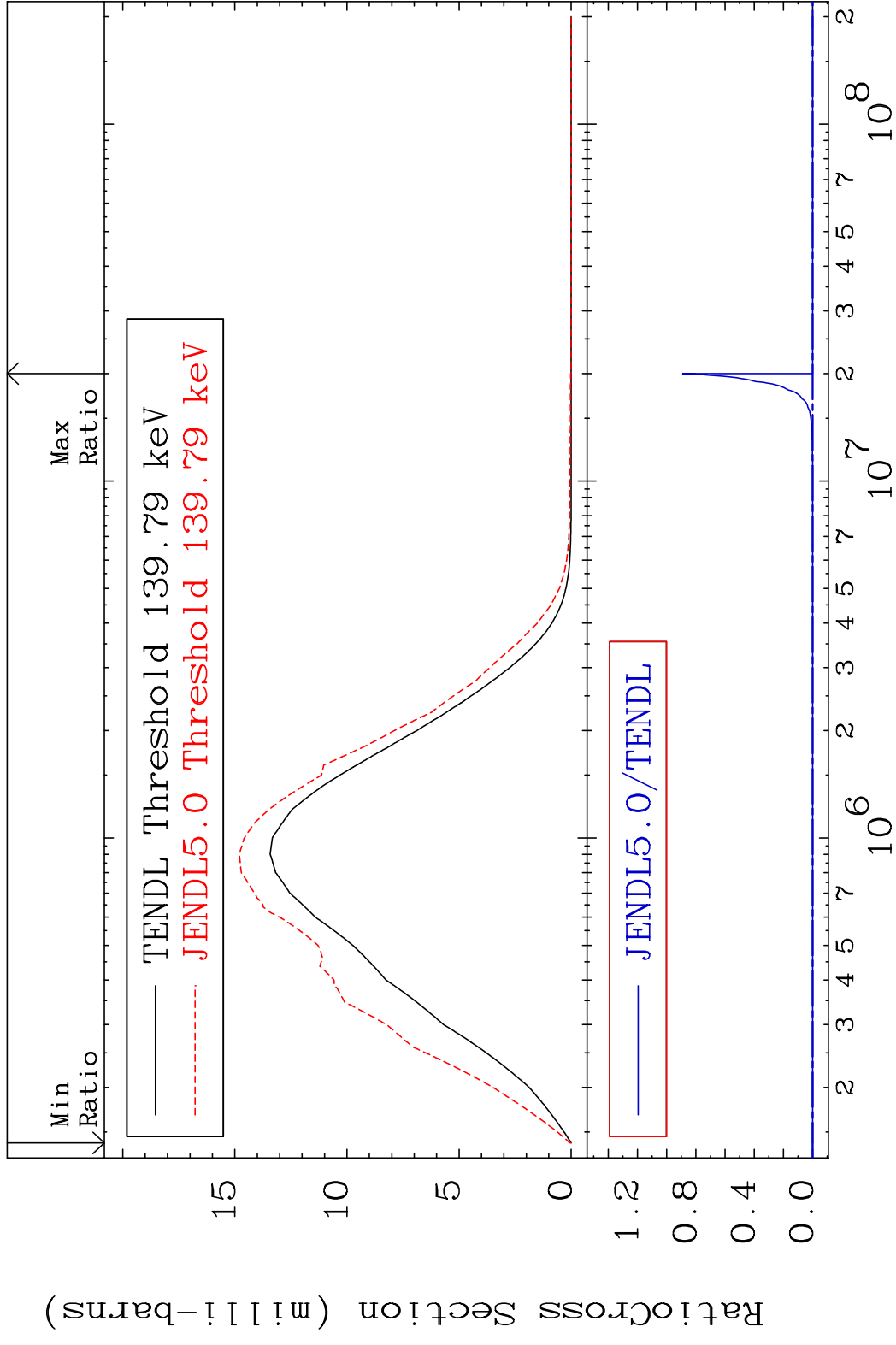


16 Incident Energy (eV) 55-Cs-134

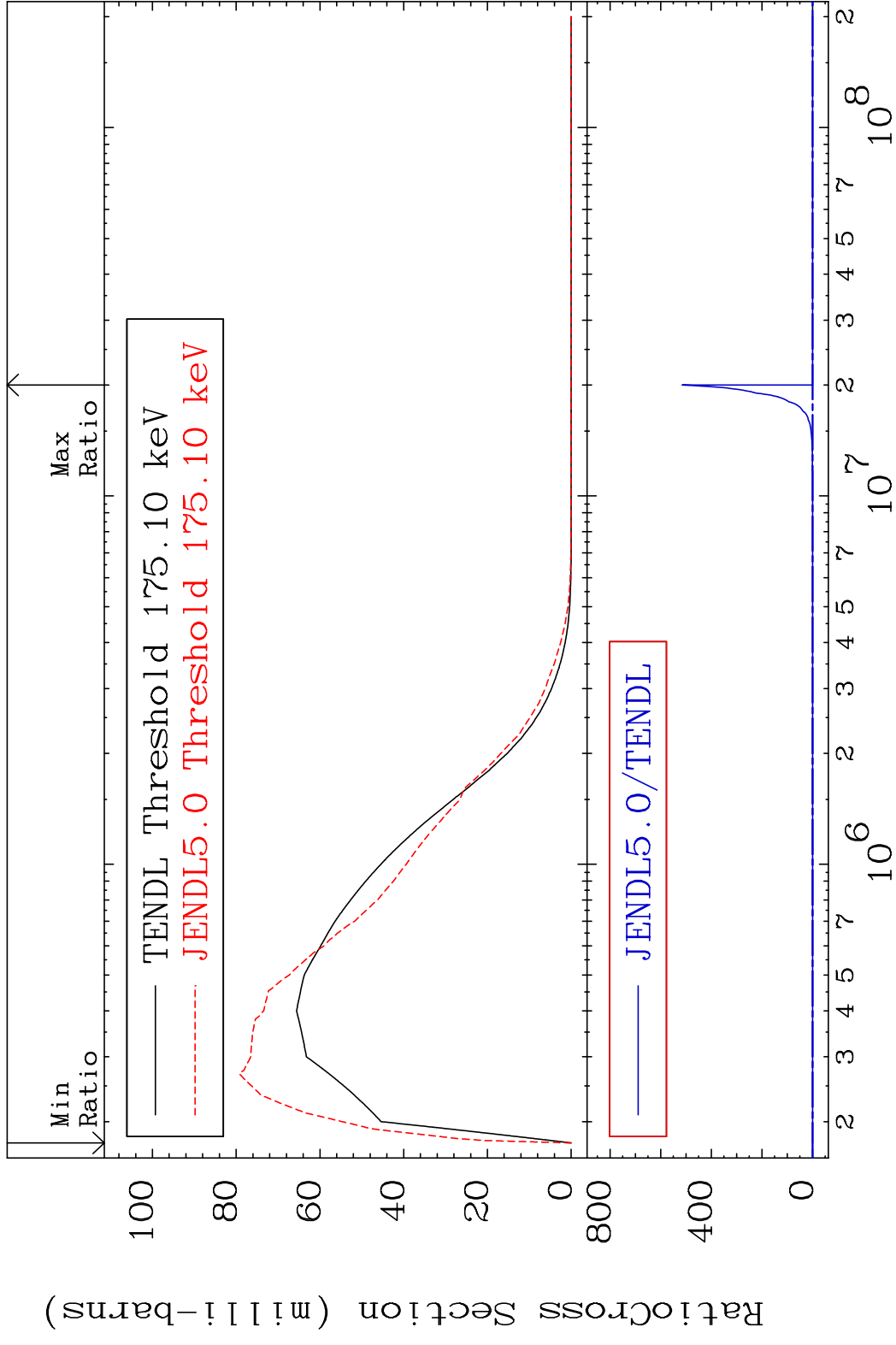
MAT 5528 MT= 52 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



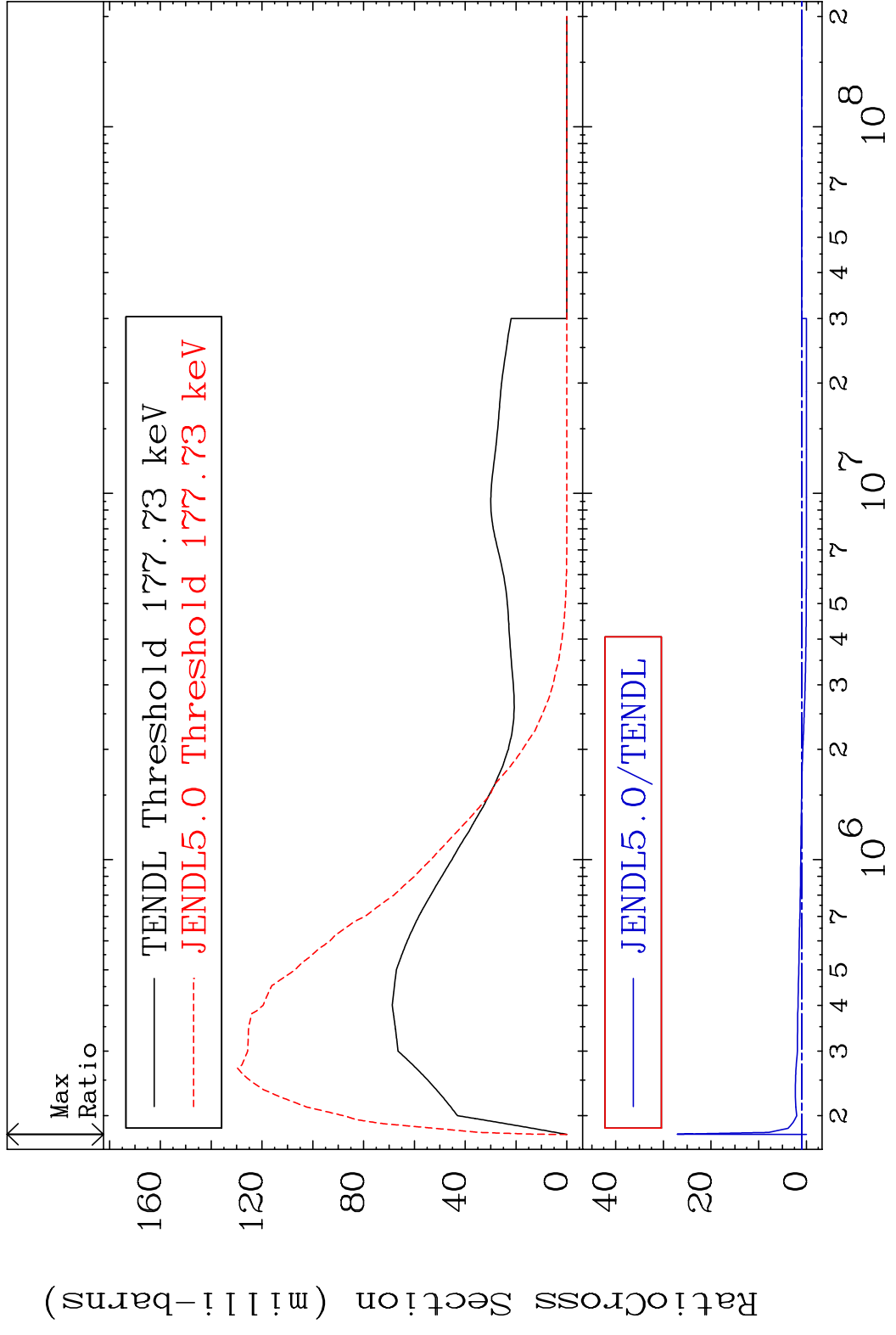
MAT 5528 MT= 53 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



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

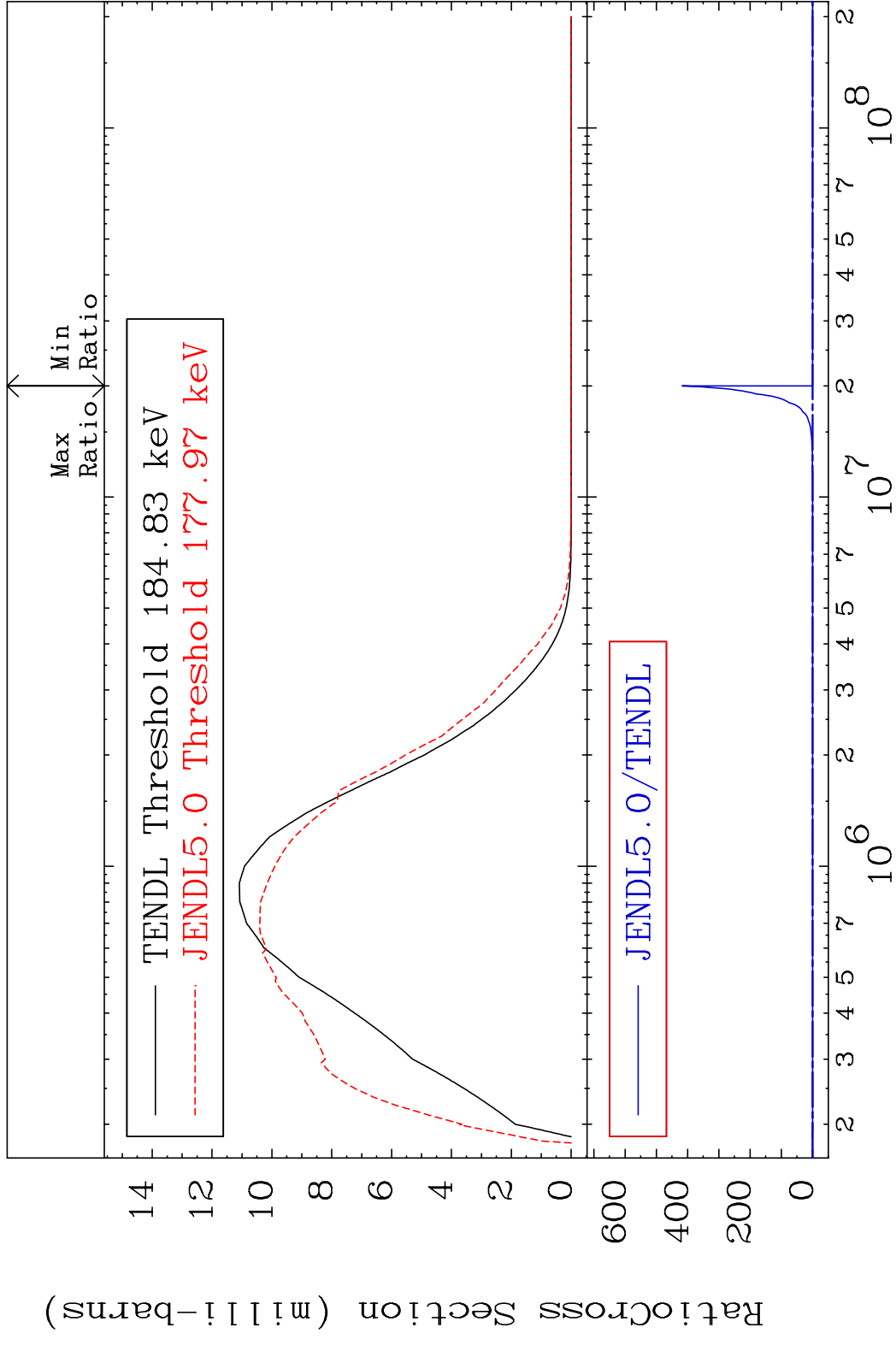


MAT 5528 MT= 55 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 2609. %

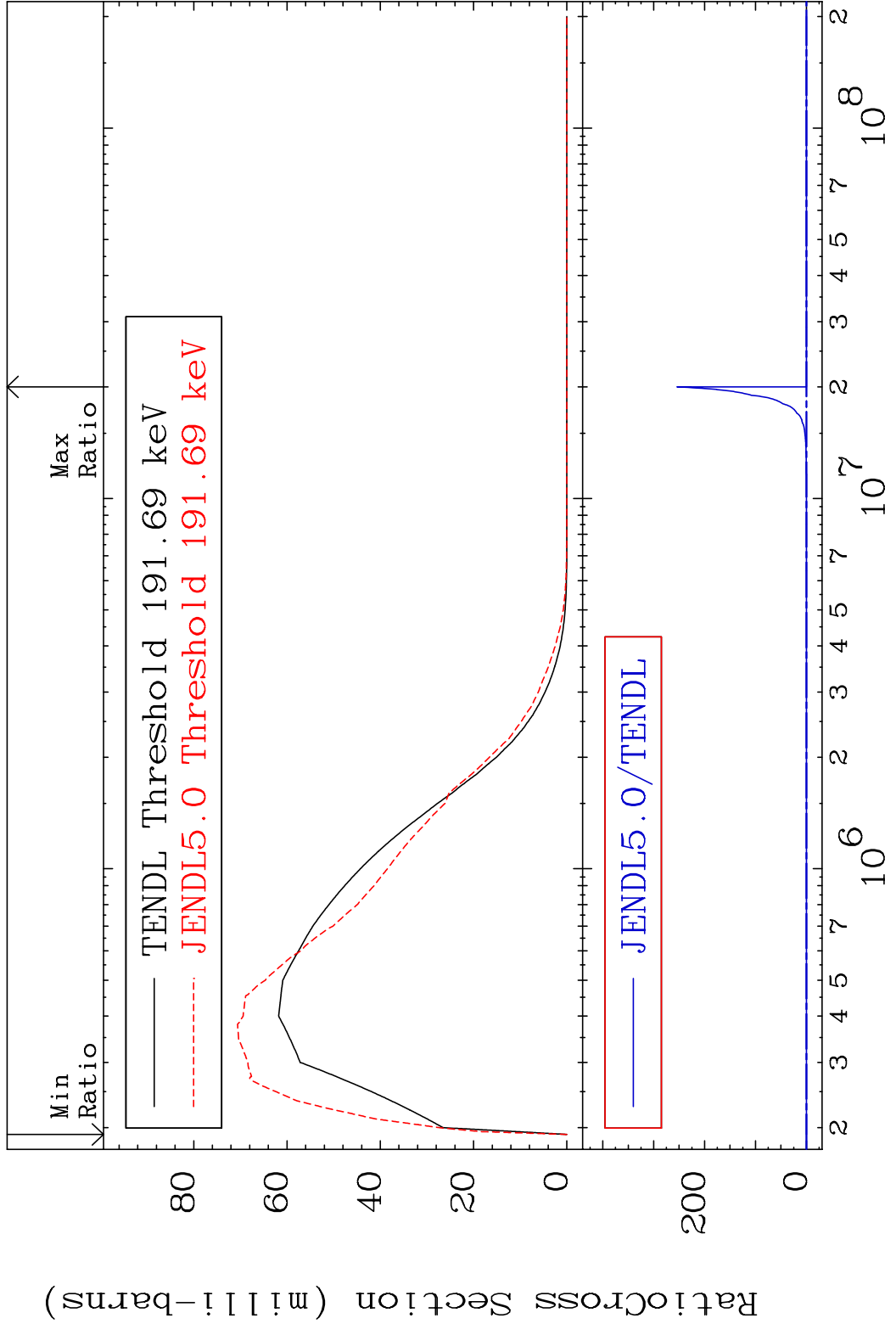


20 Incident Energy (eV) 55-Cs-134

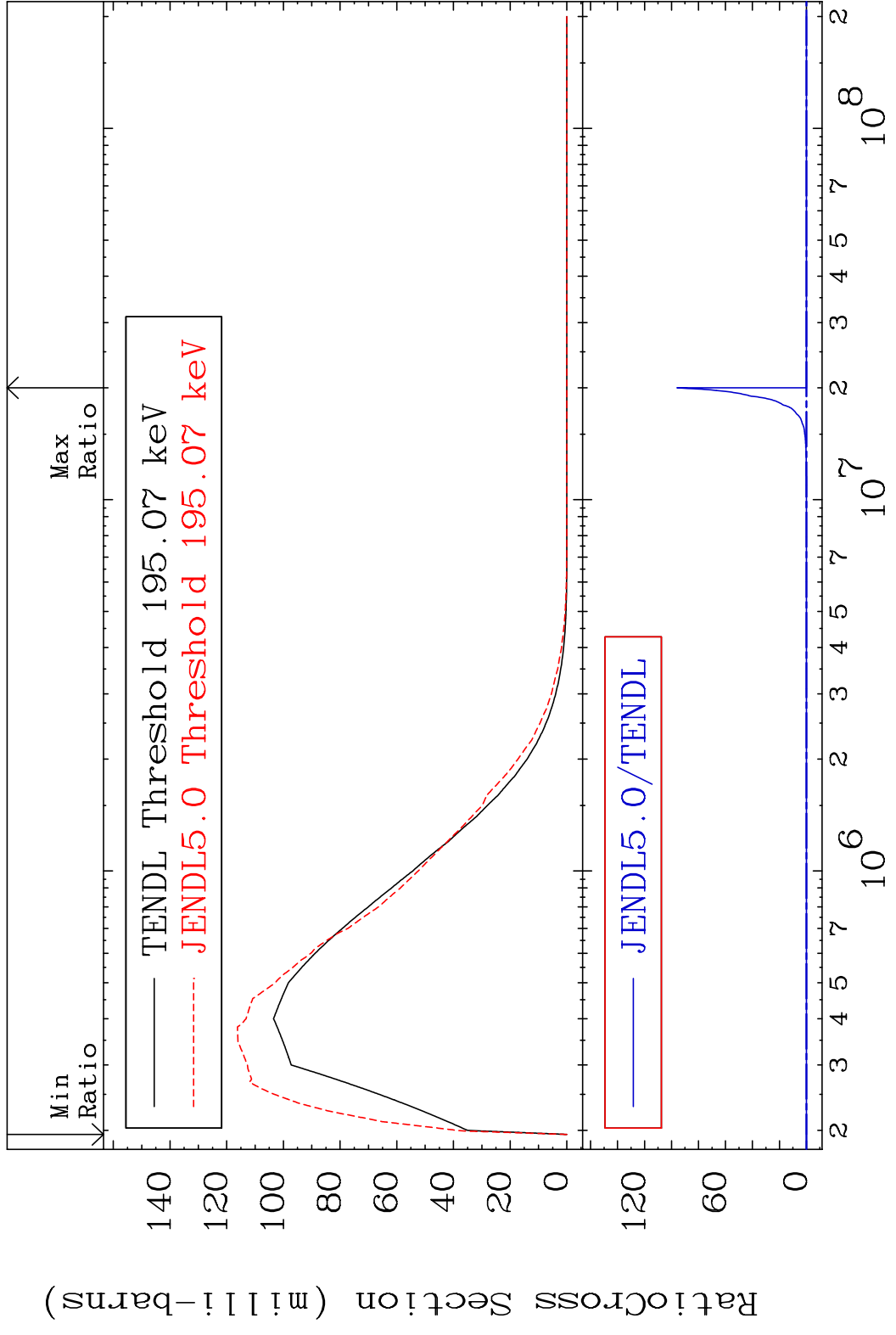
MAT 5528 MT= 56 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



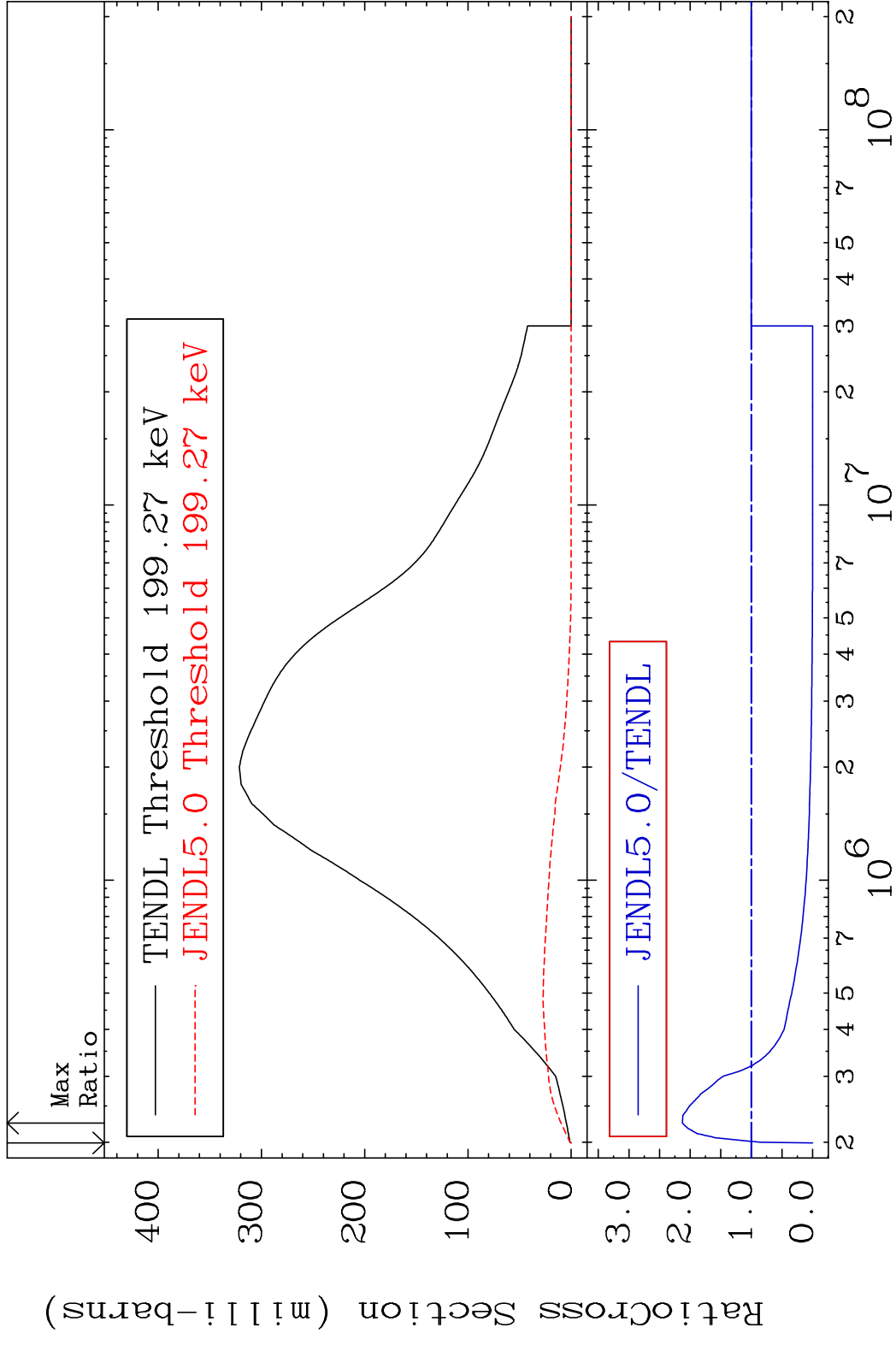
MAT 5528 MT= 57 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



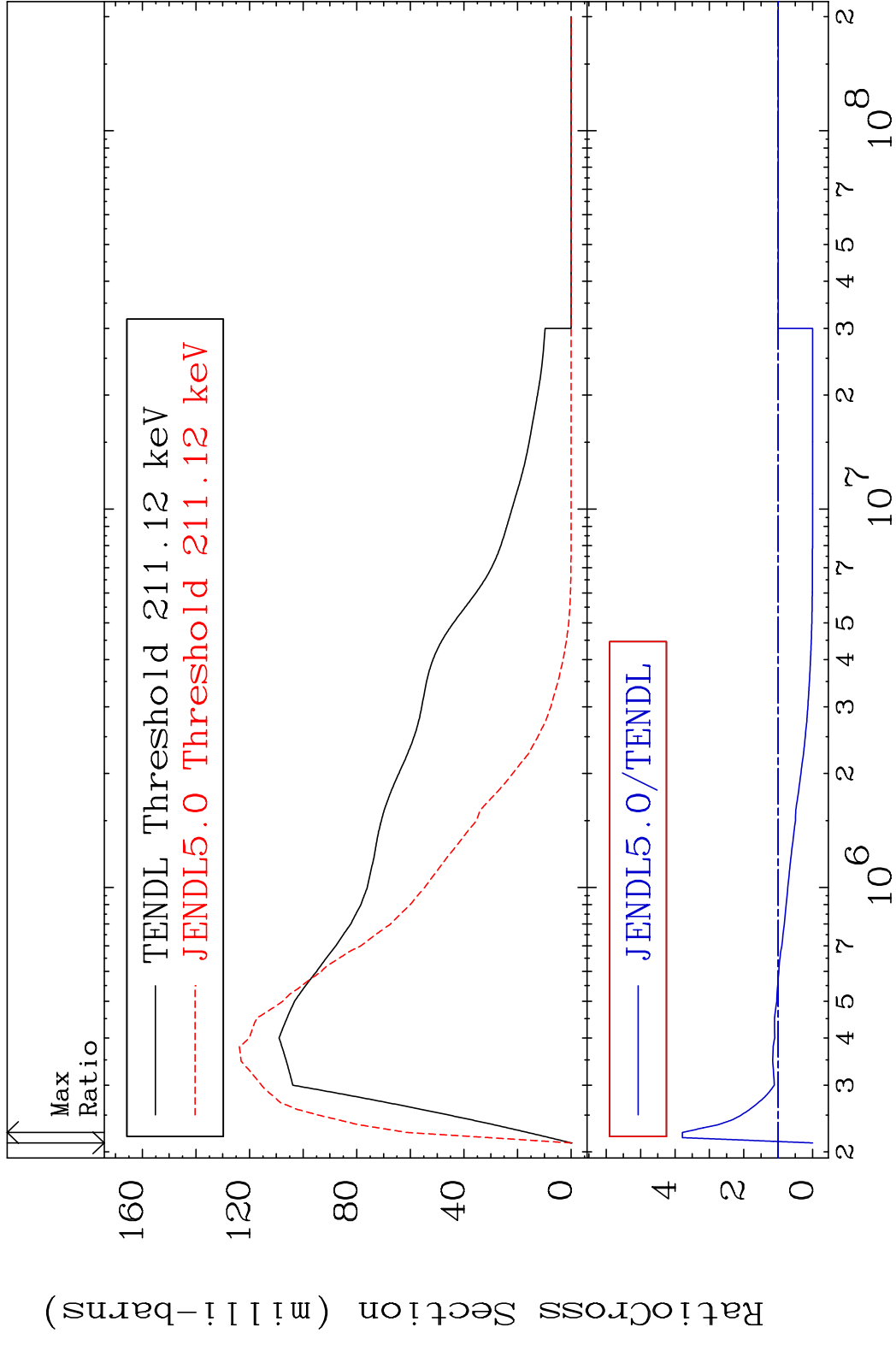
MAT 5528 MT= 58 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



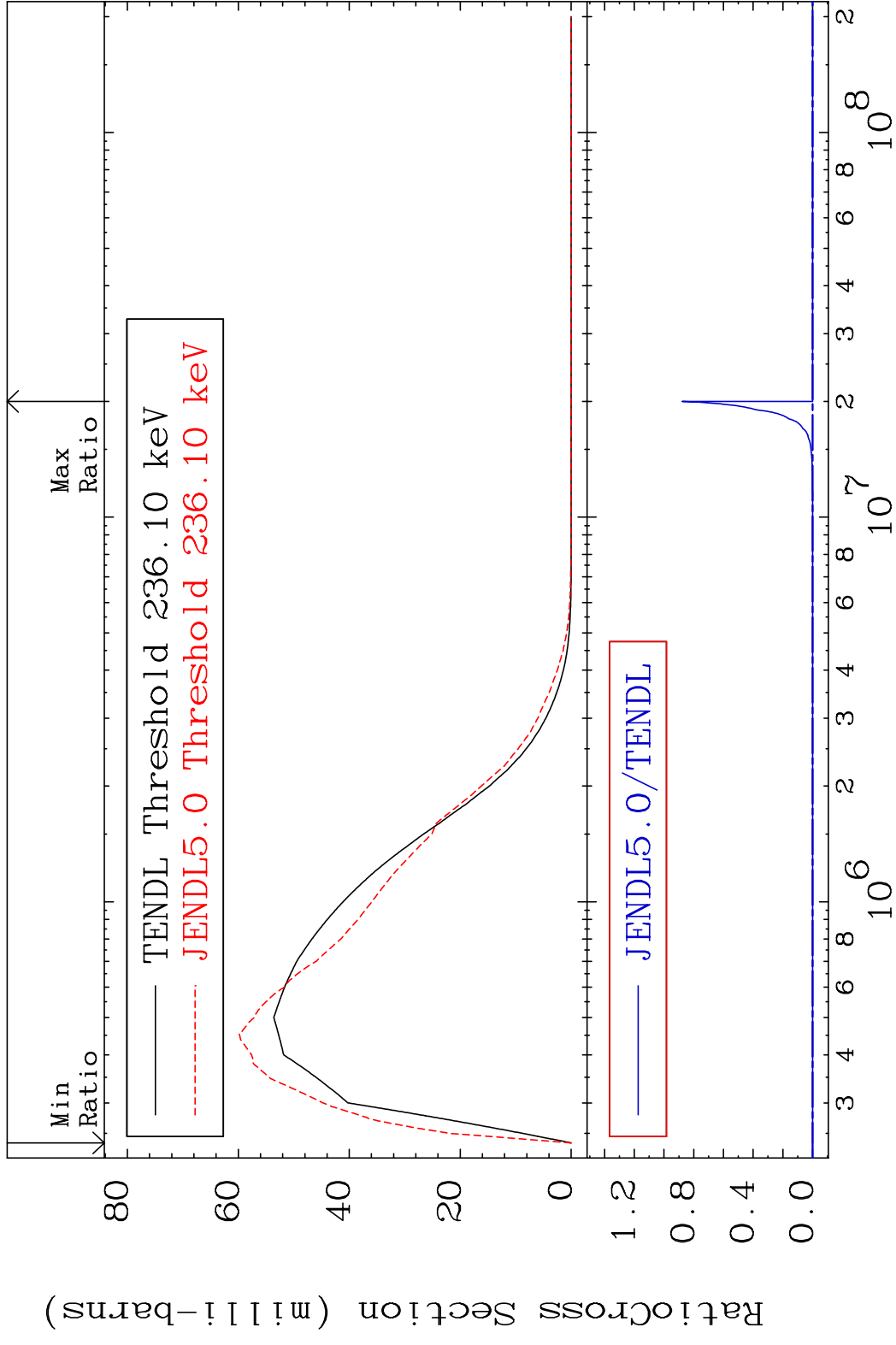
MAT 5528 MT= 59 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 112.7 %



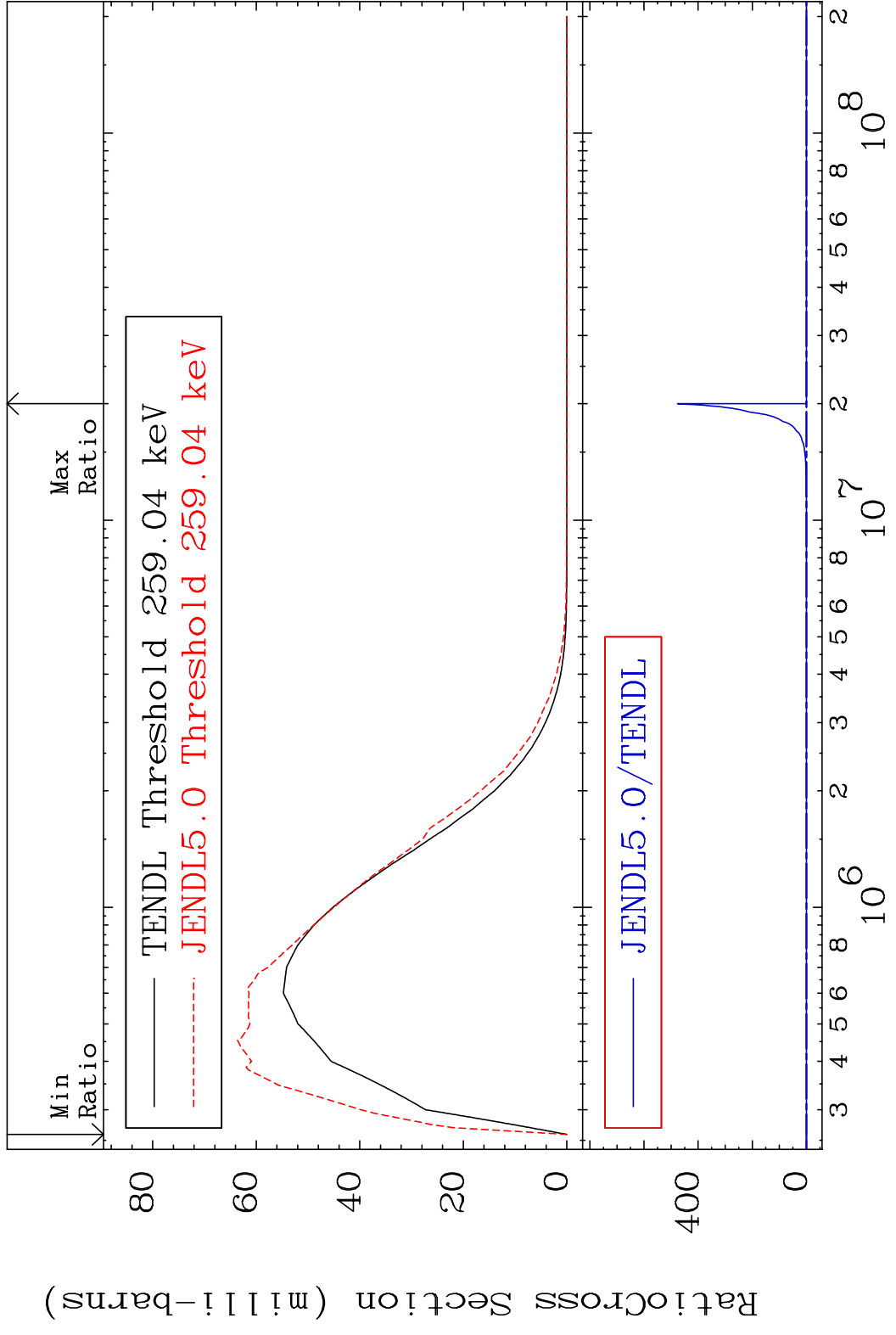
MAT 5528 MT= 60 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 278.6 %



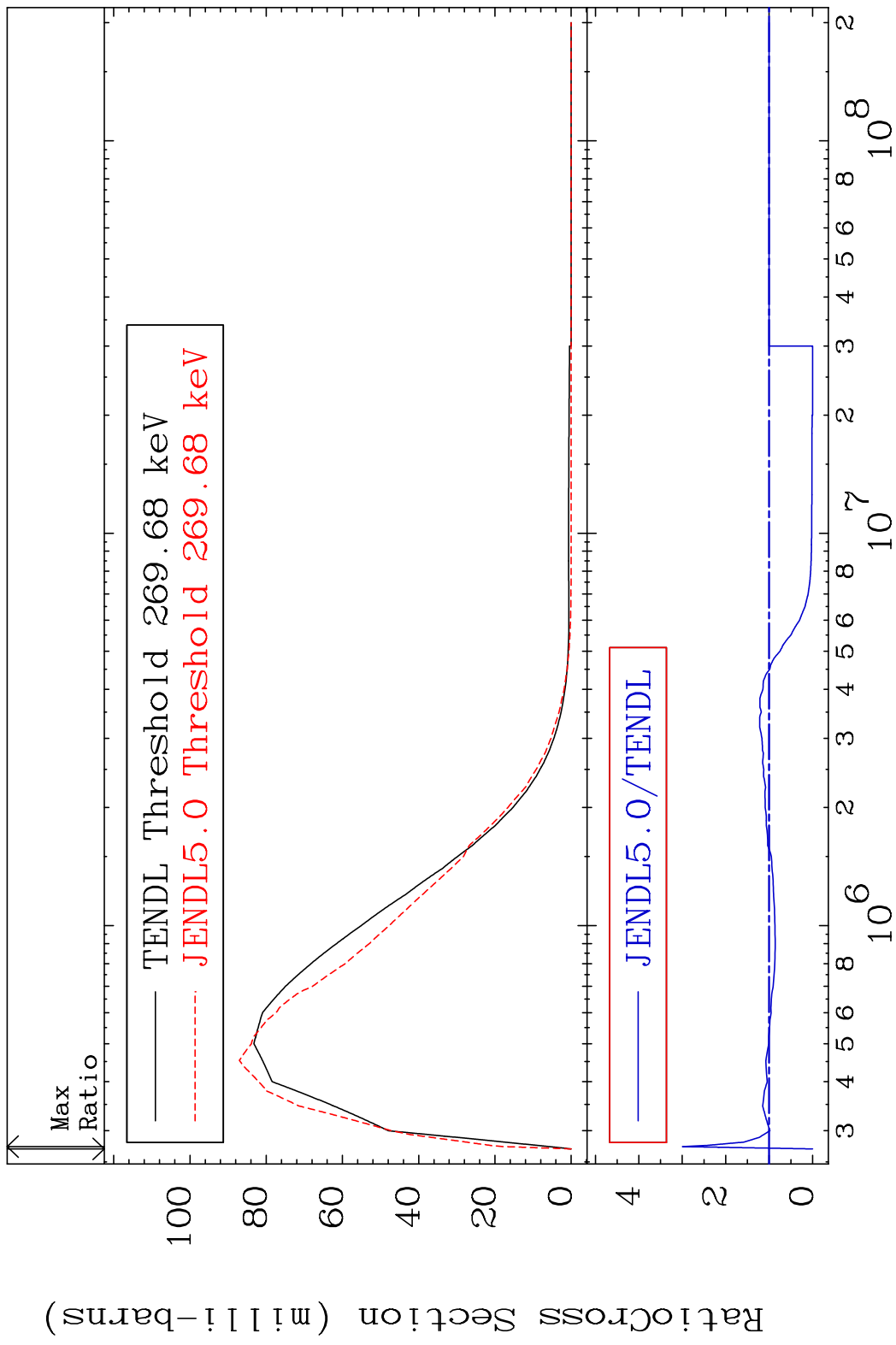
MAT 5528 MT= 61 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



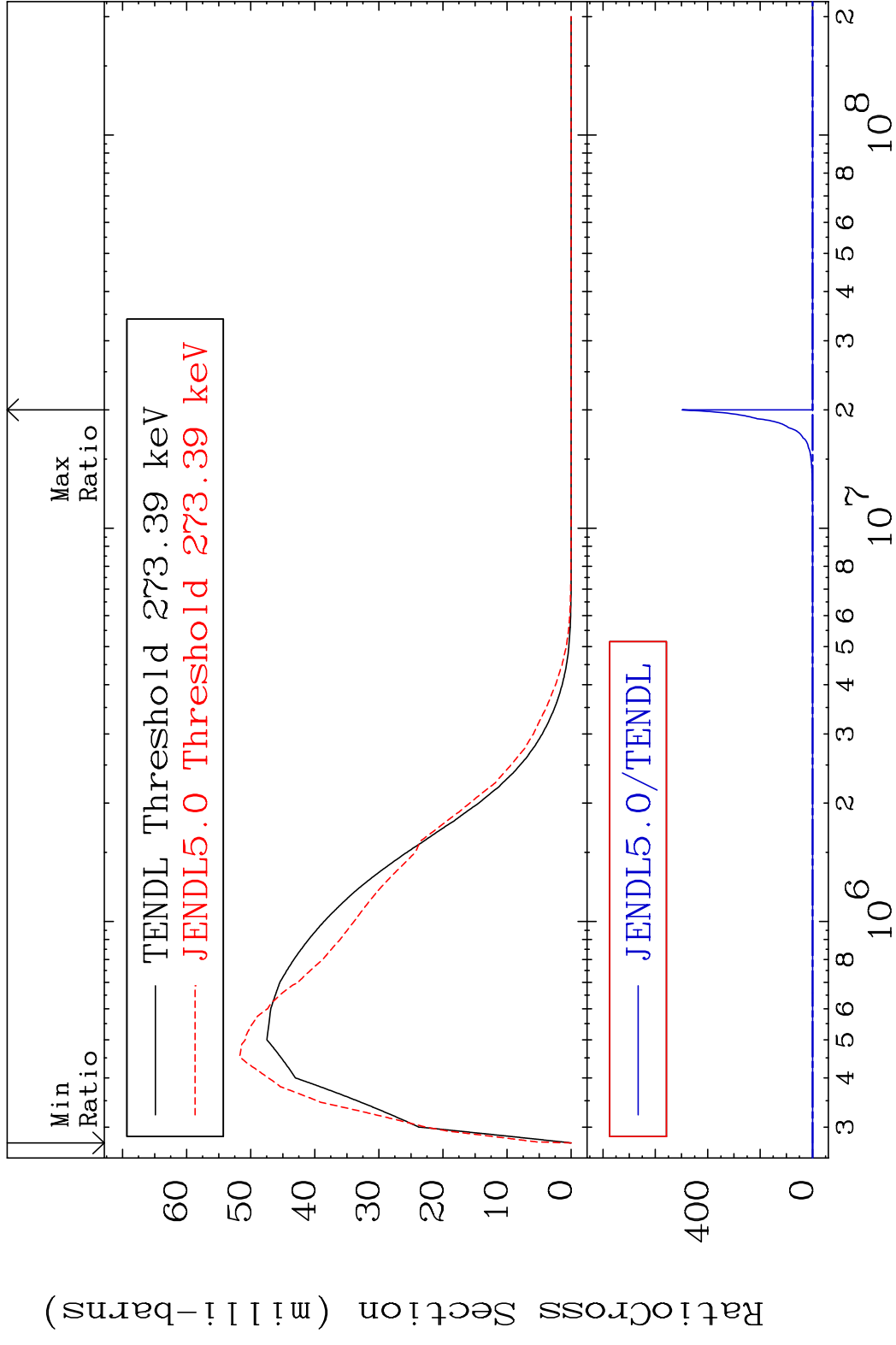
MAT 5528 MT= 62 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



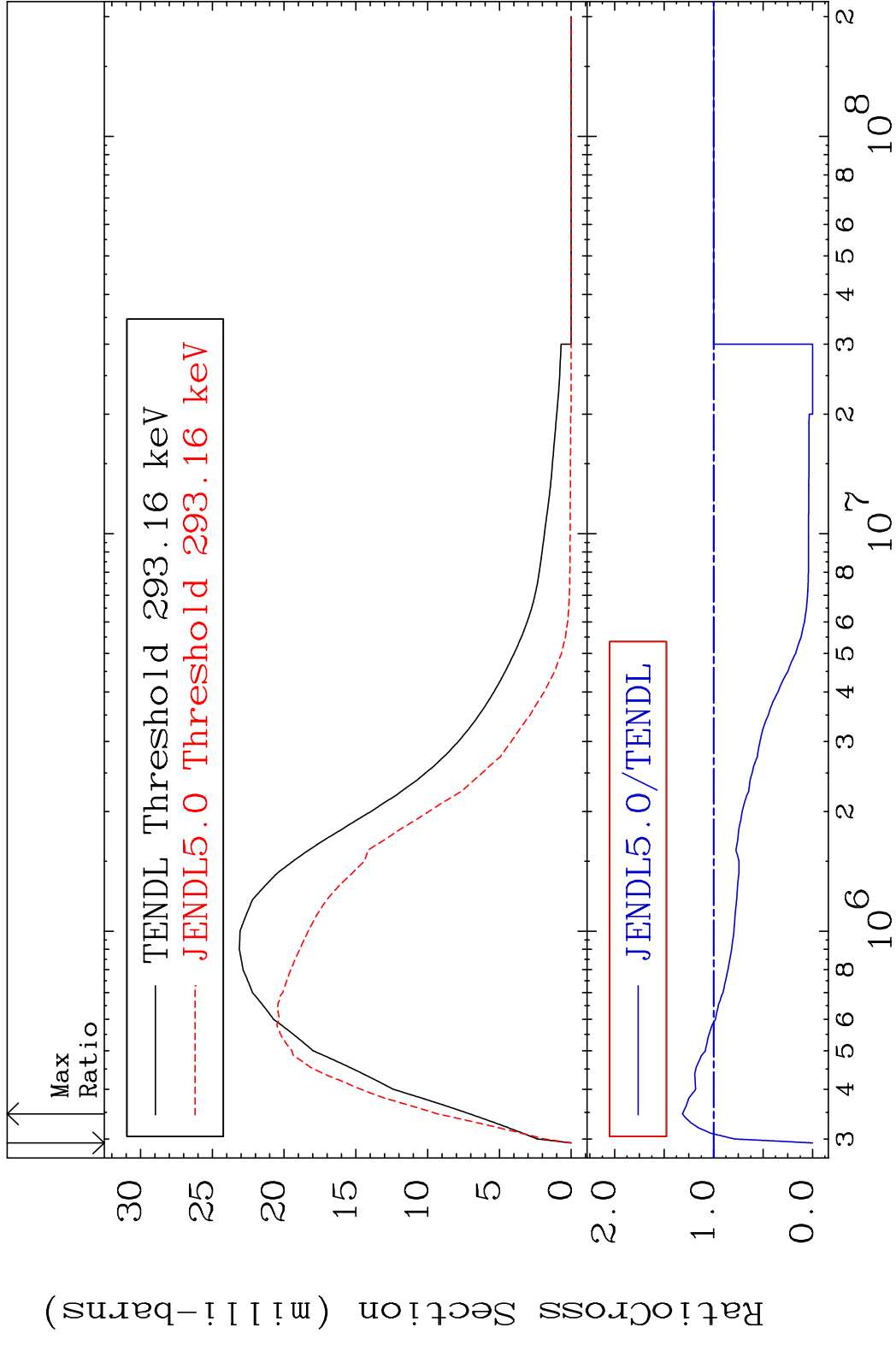
MAT 5528 MT= 63 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 199.8 %



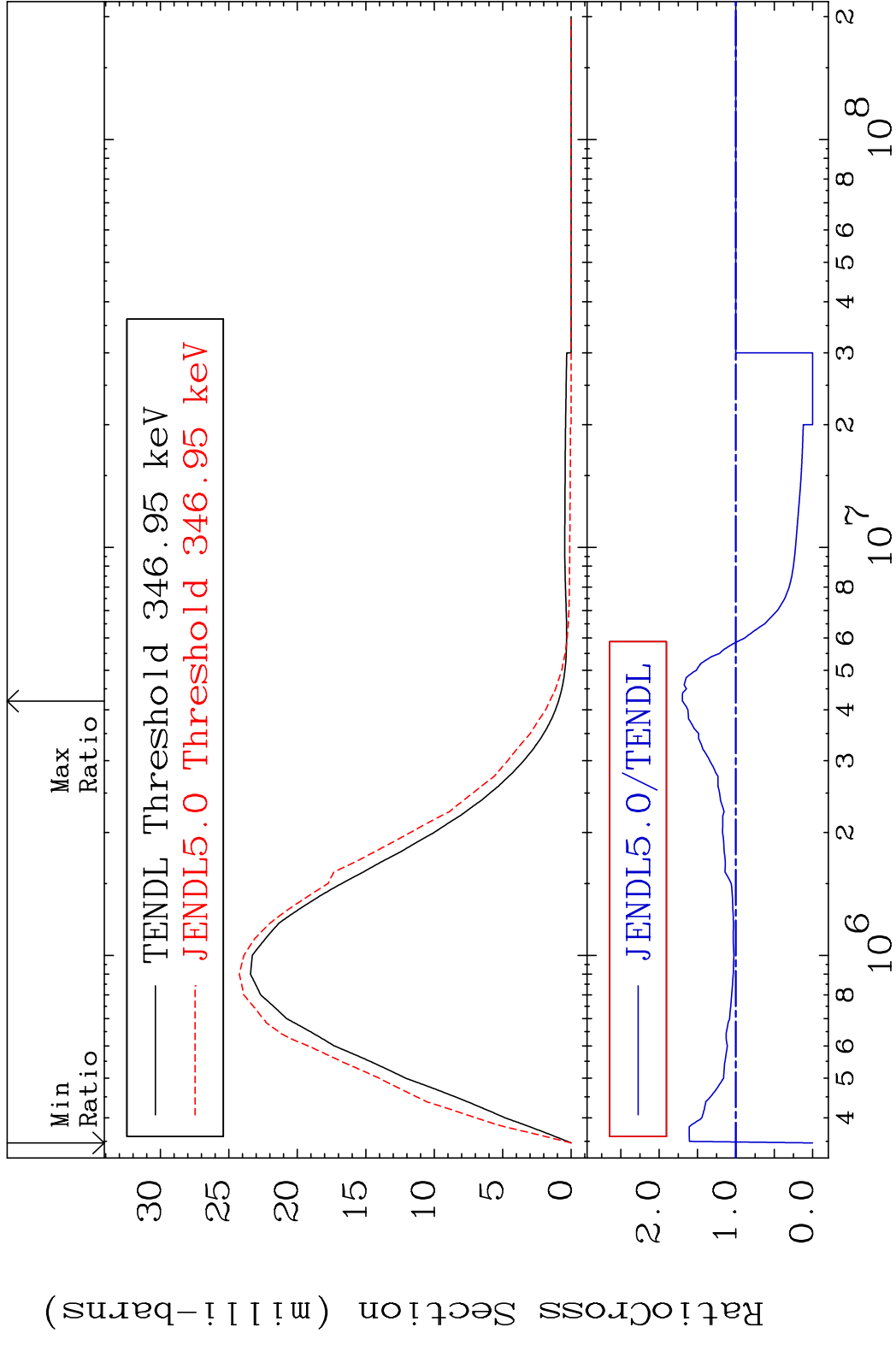
MAT 5528 MT= 64 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



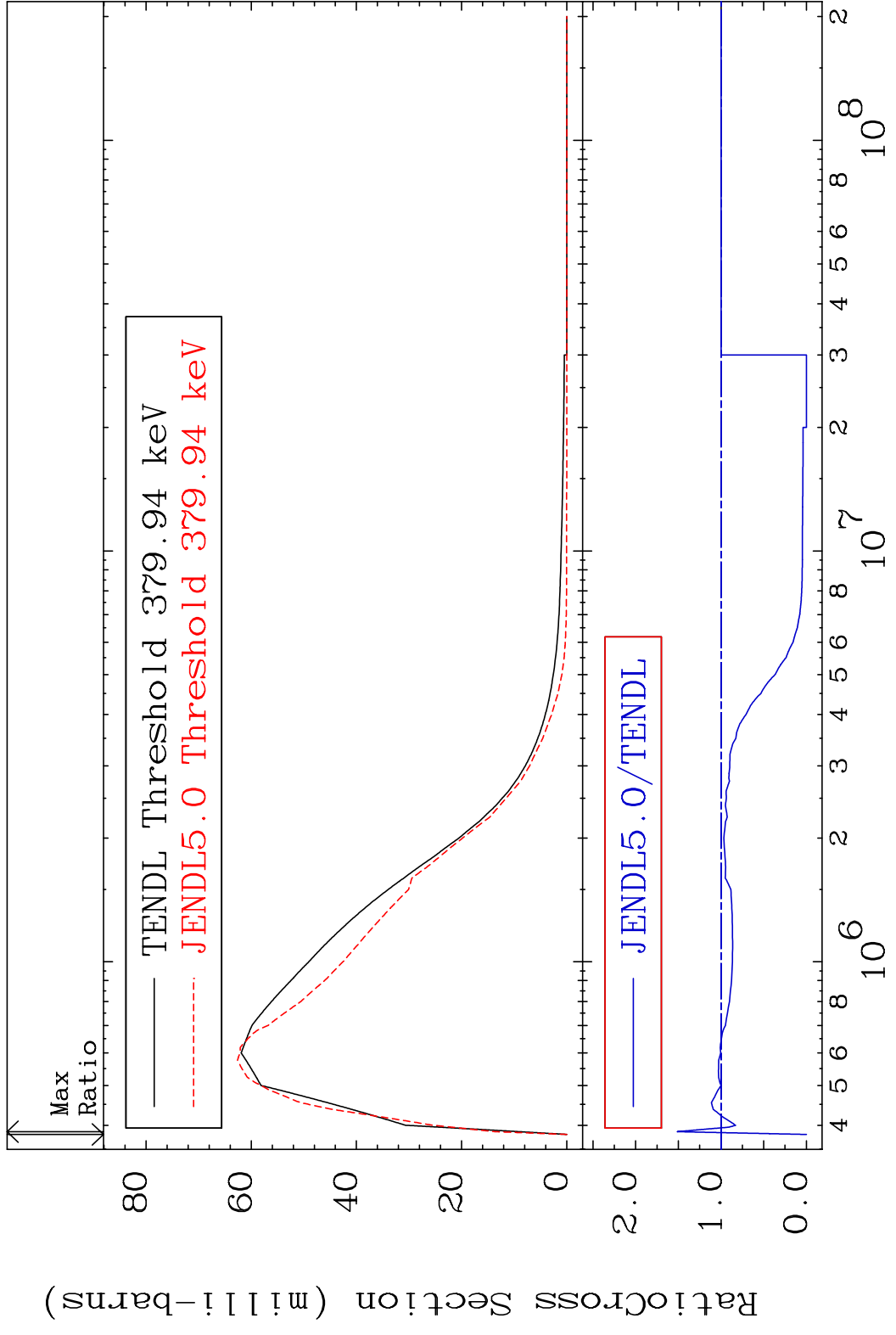
MAT 5528 MT= 65 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 31.58 %



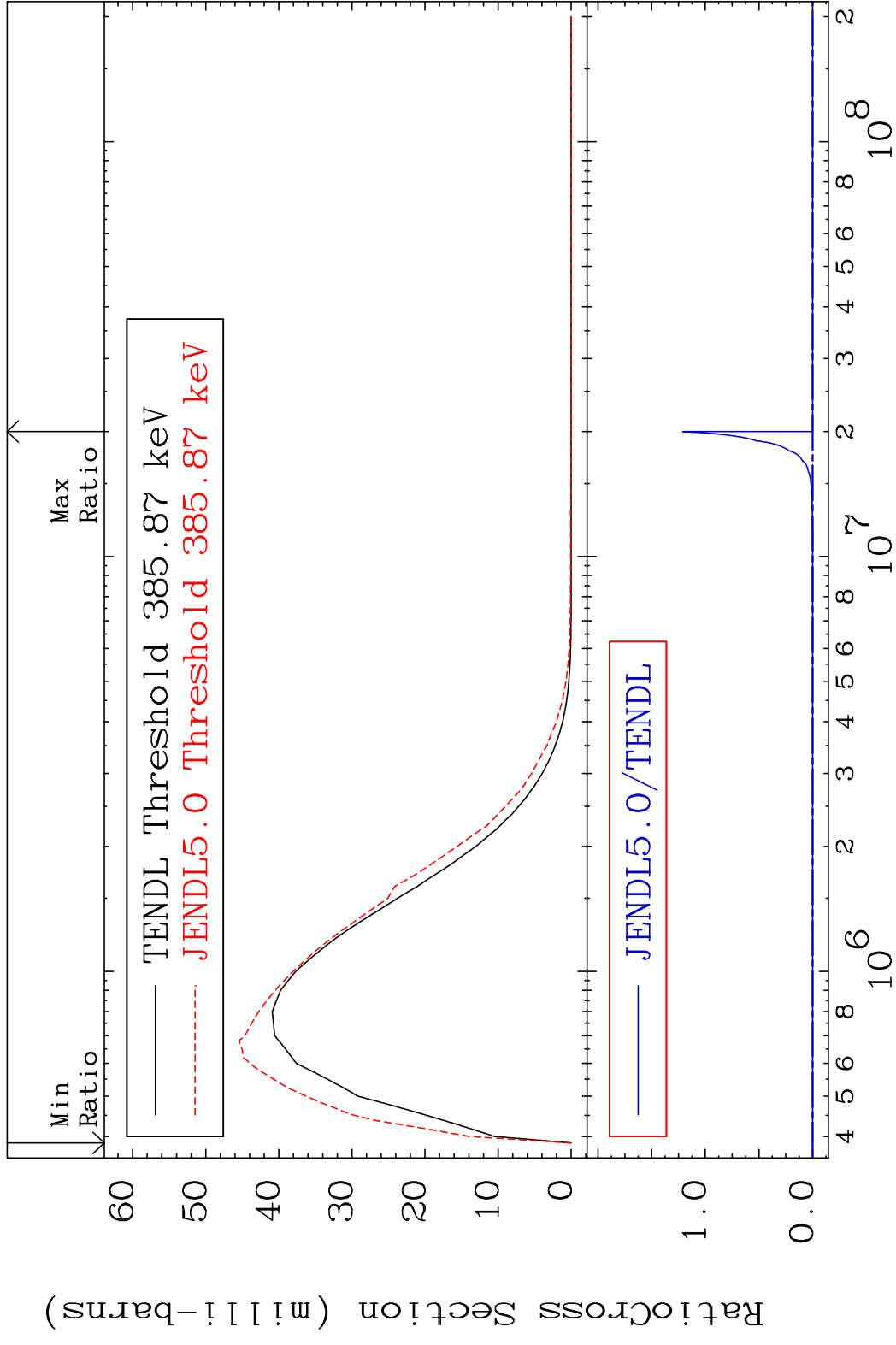
MAT 5528 MT= 66 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 69.74 %



MAT 5528 MT= 67 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 51.37 %

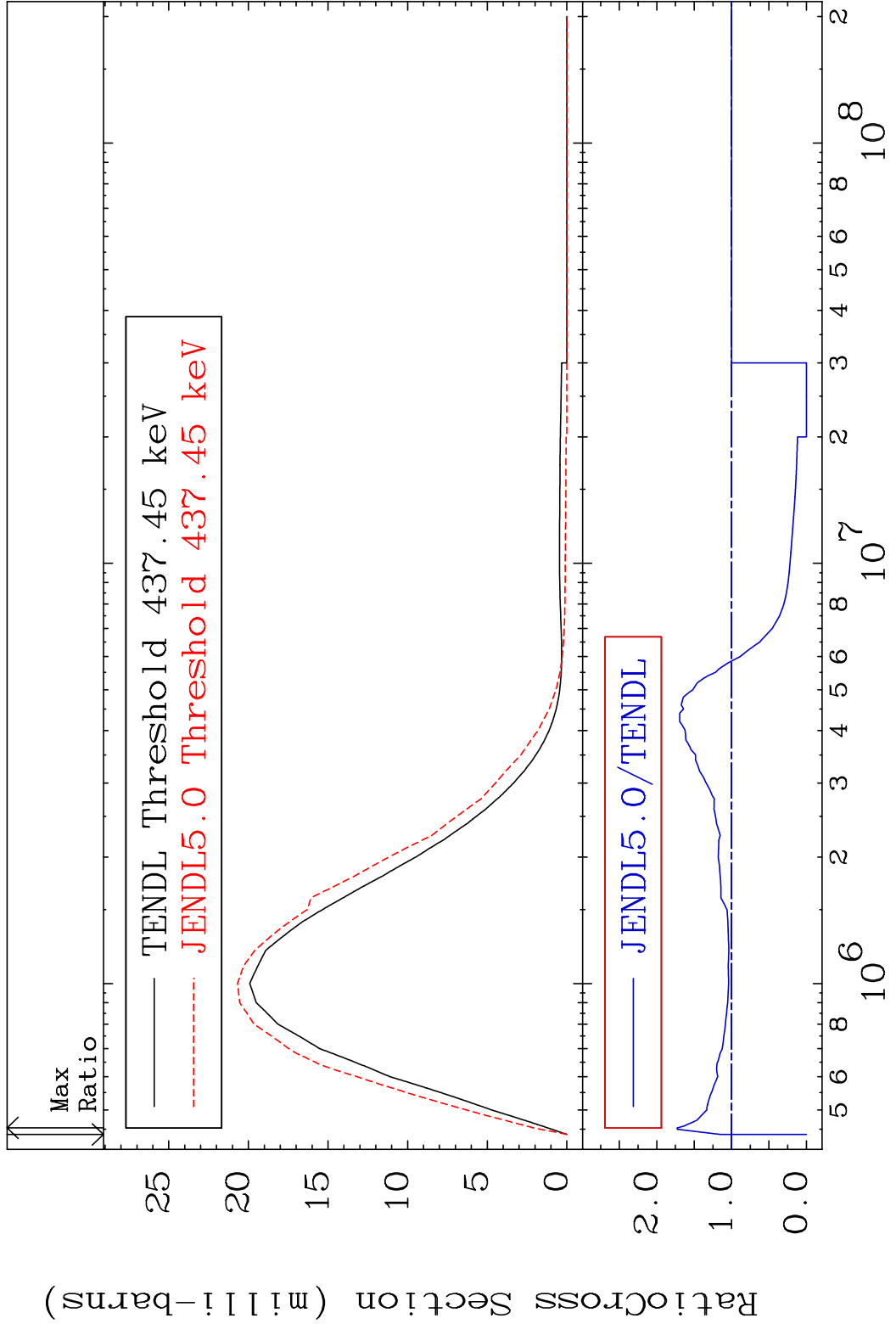


MAT 5528 MT= 68 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %

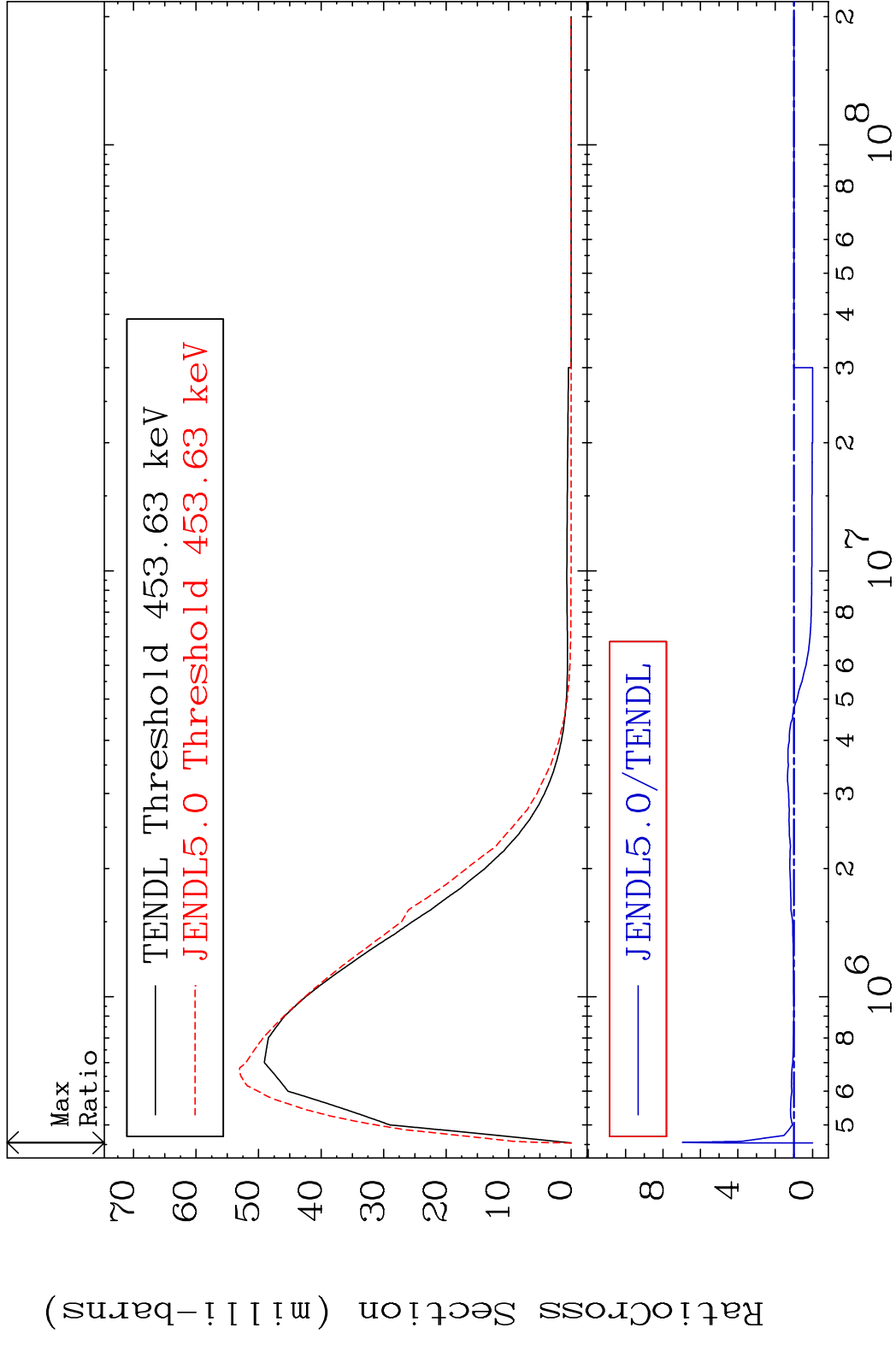


33 Incident Energy (eV) 55-Cs-134

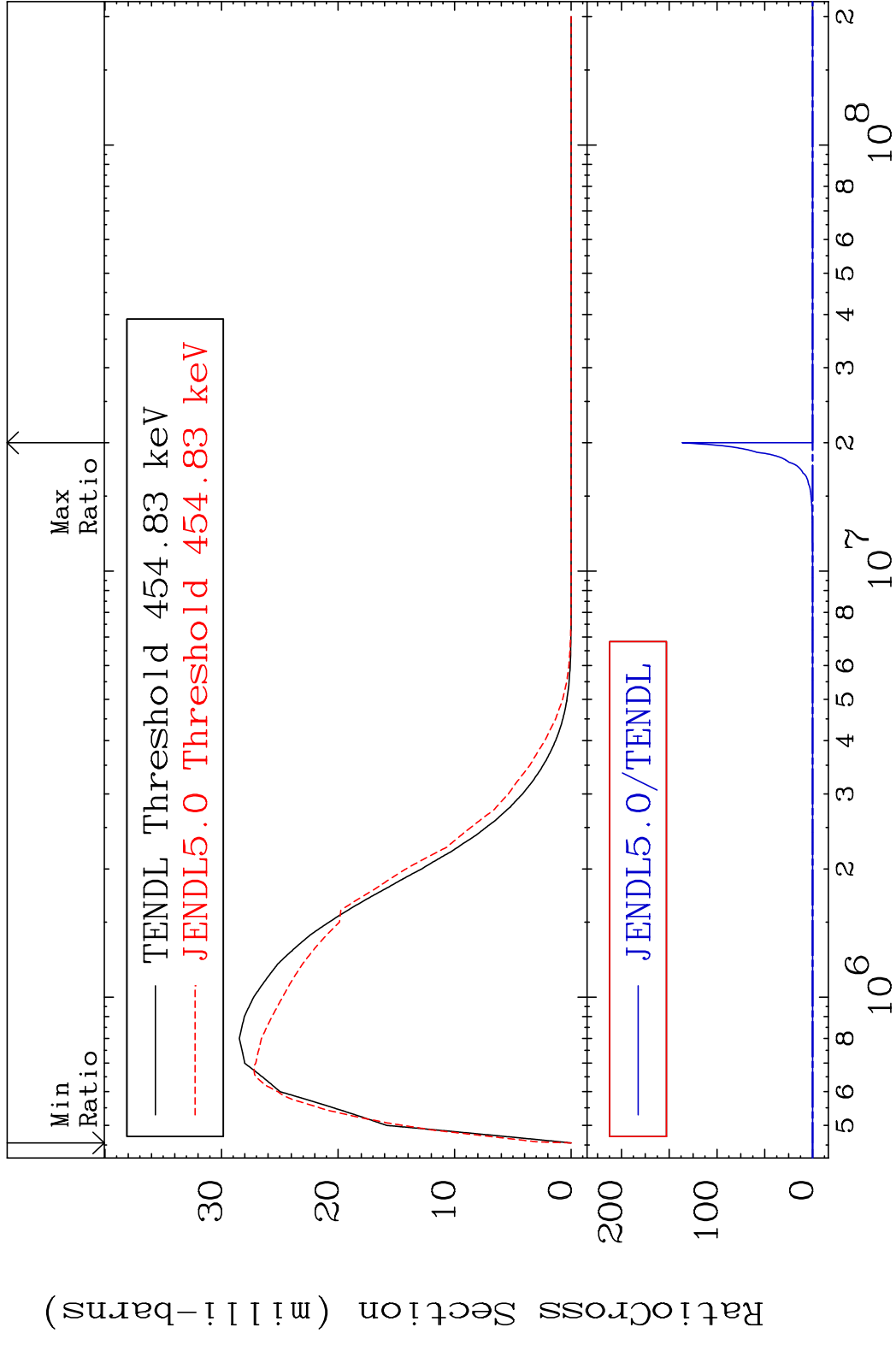
MAT 5528 MT= 69 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 72.70 %



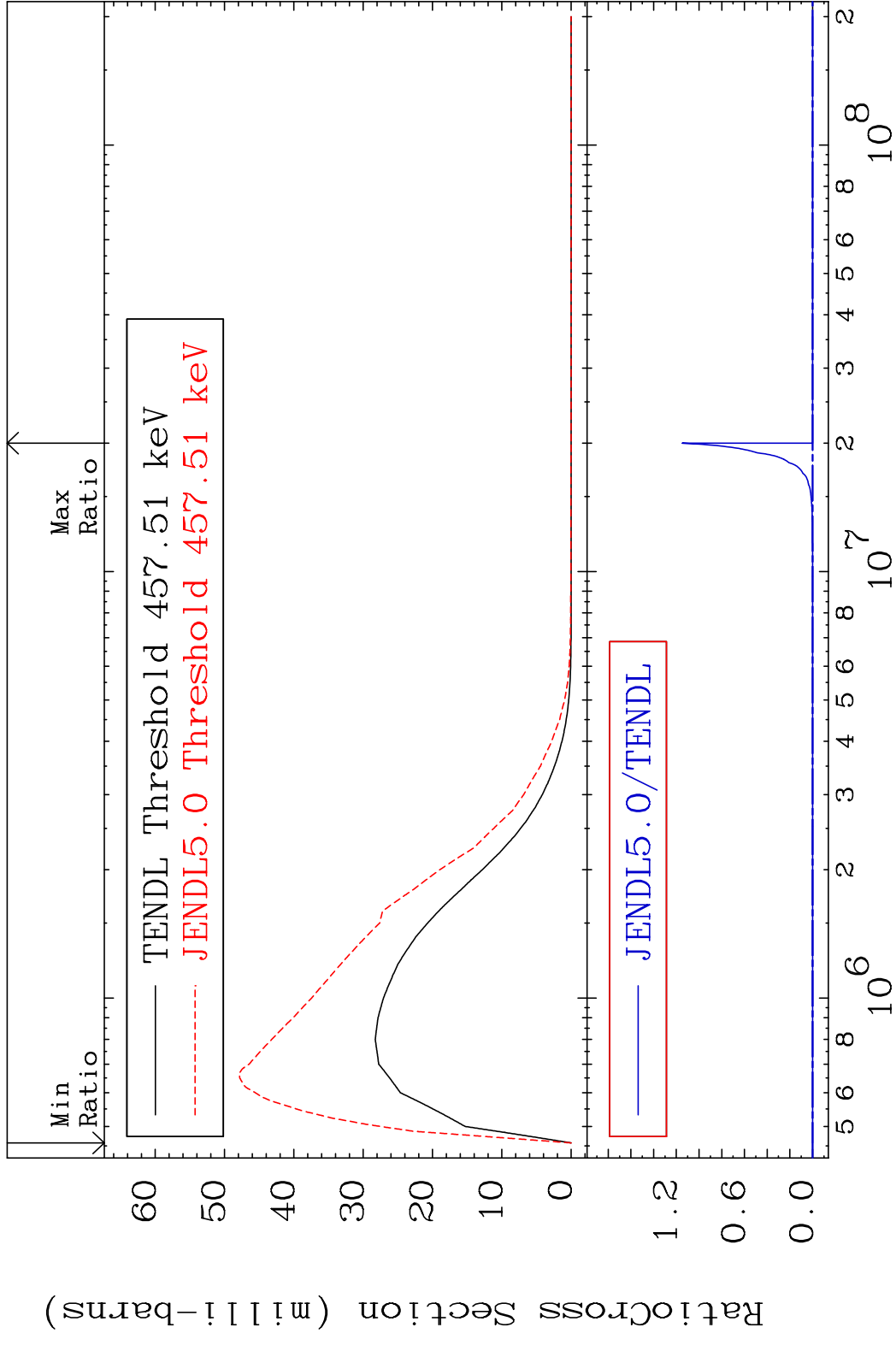
MAT 5528 MT= 70 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 596.7 %



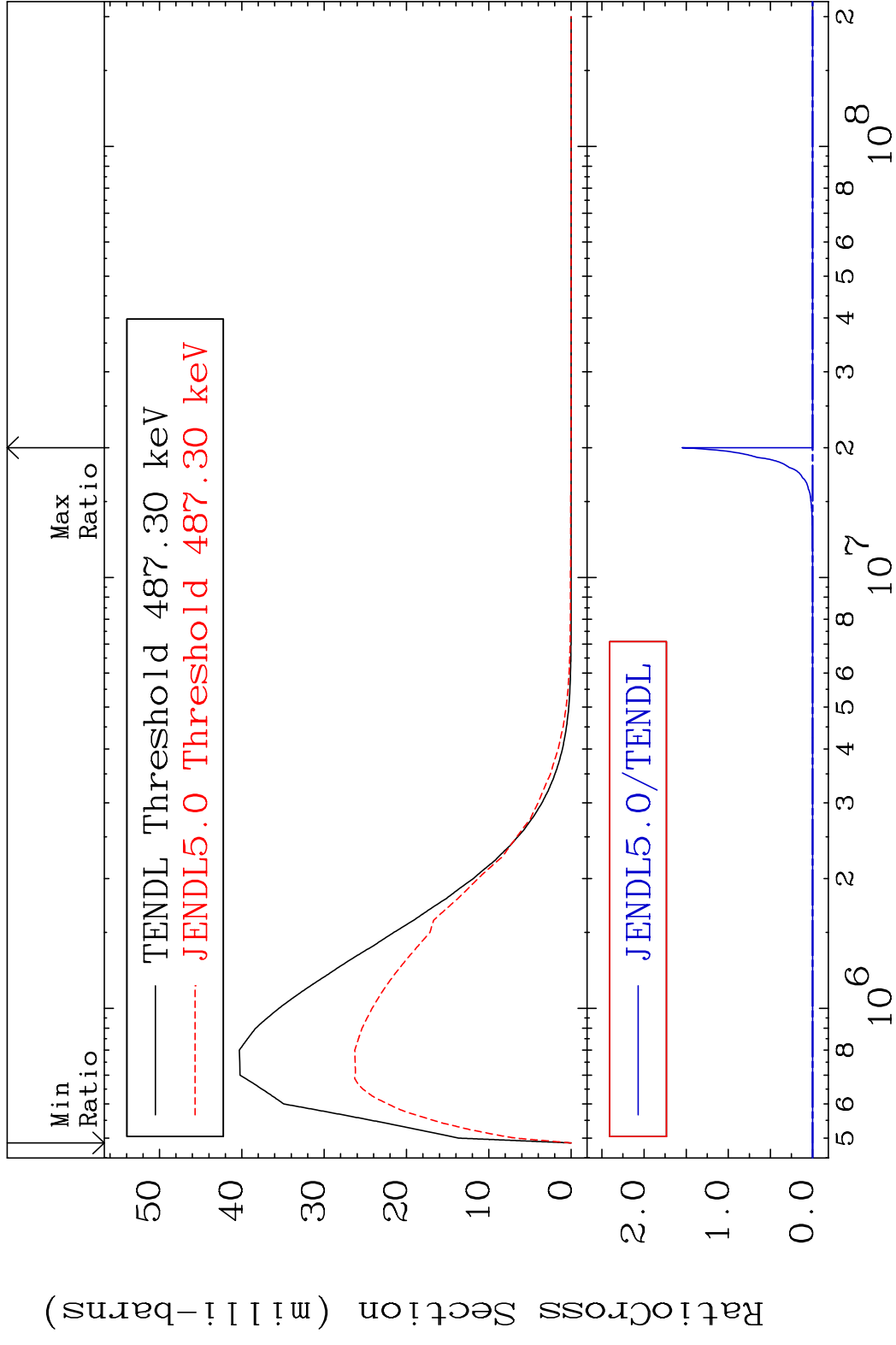
MAT 5528 MT= 71 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



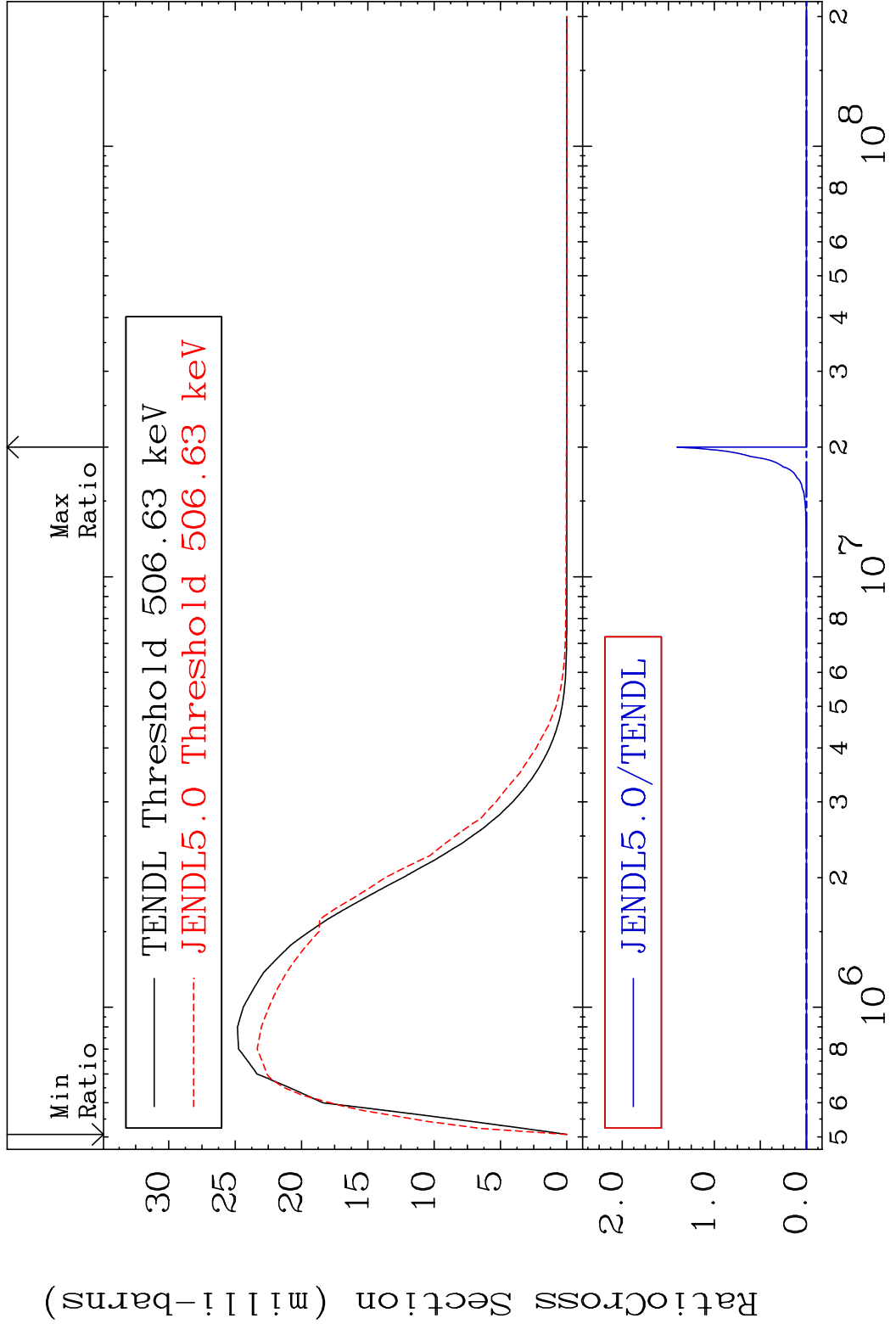
MAT 5528 MT= 72 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



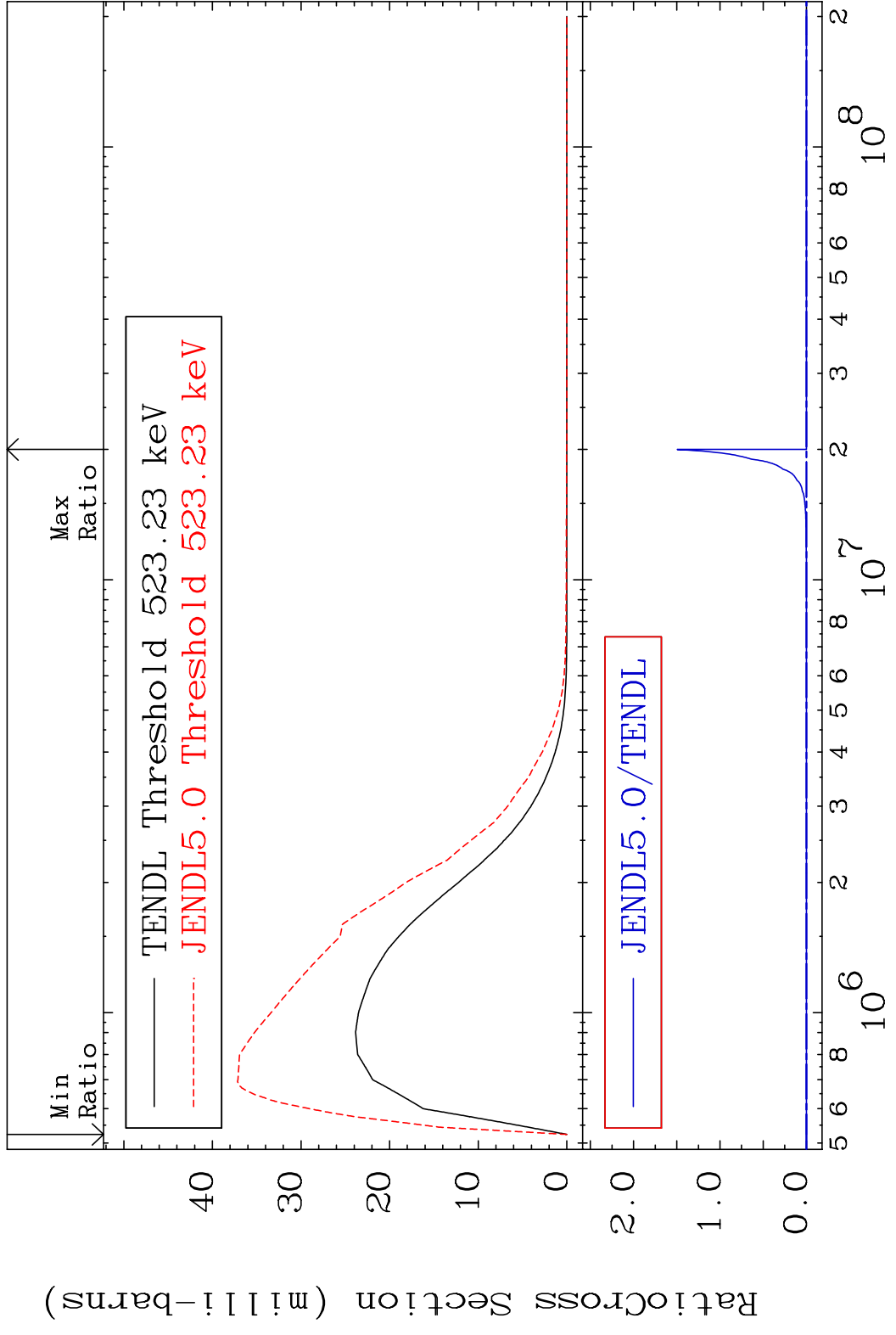
MAT 5528 MT= 73 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



MAT 5528 MT= 74 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



MAT 5528 MT= 75 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %

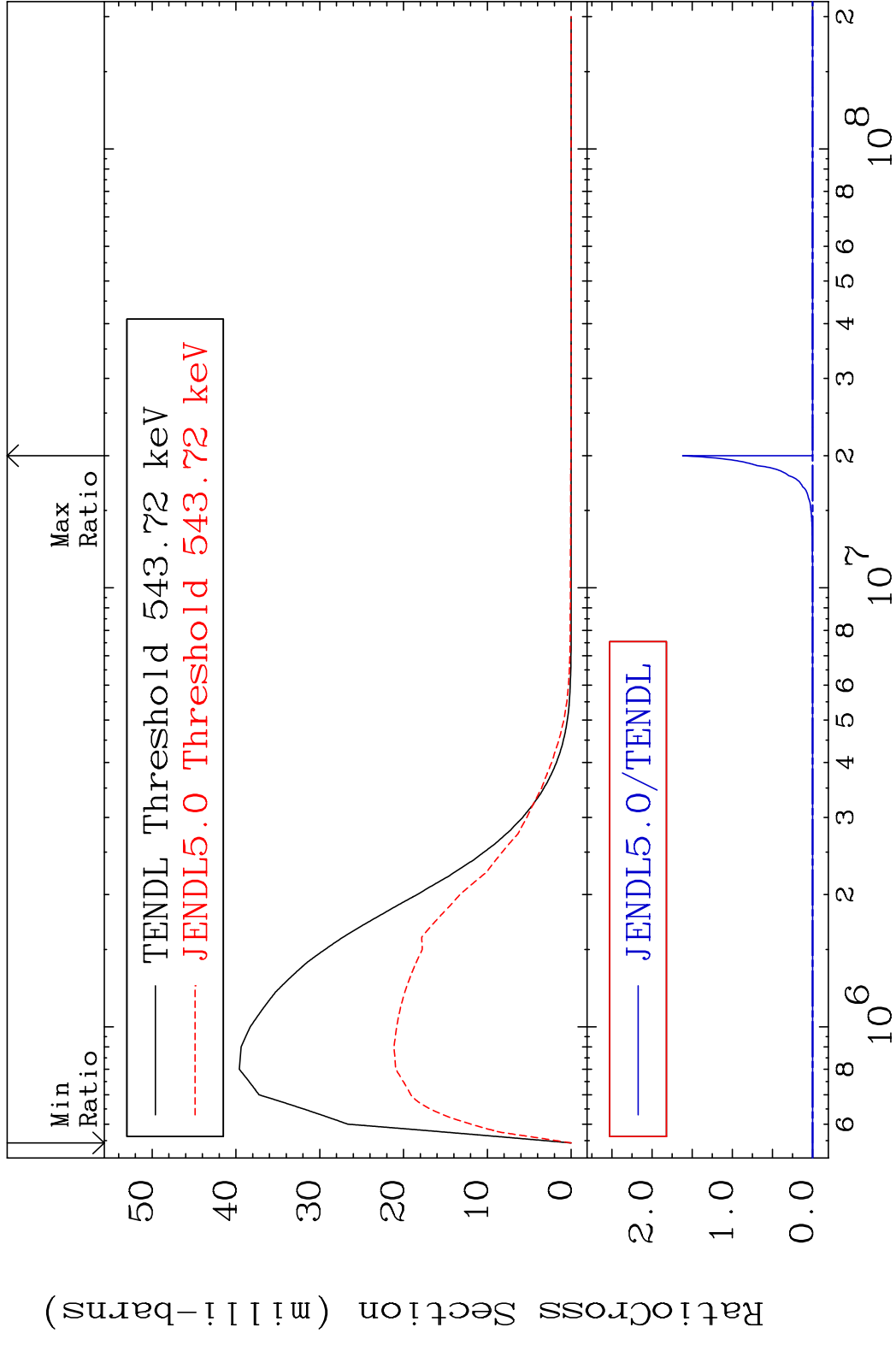


40

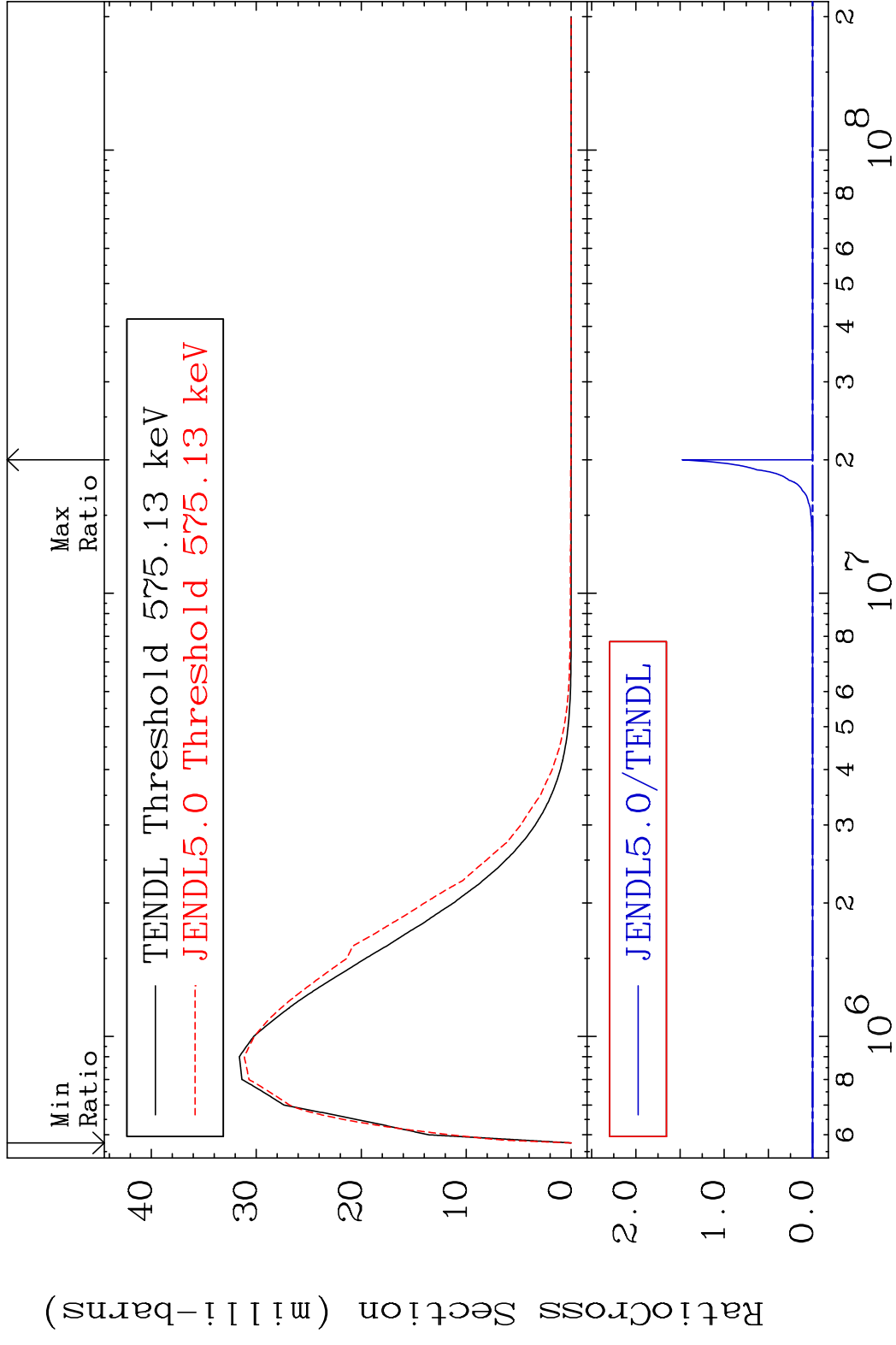
Incident Energy (eV)

55-Cs-134

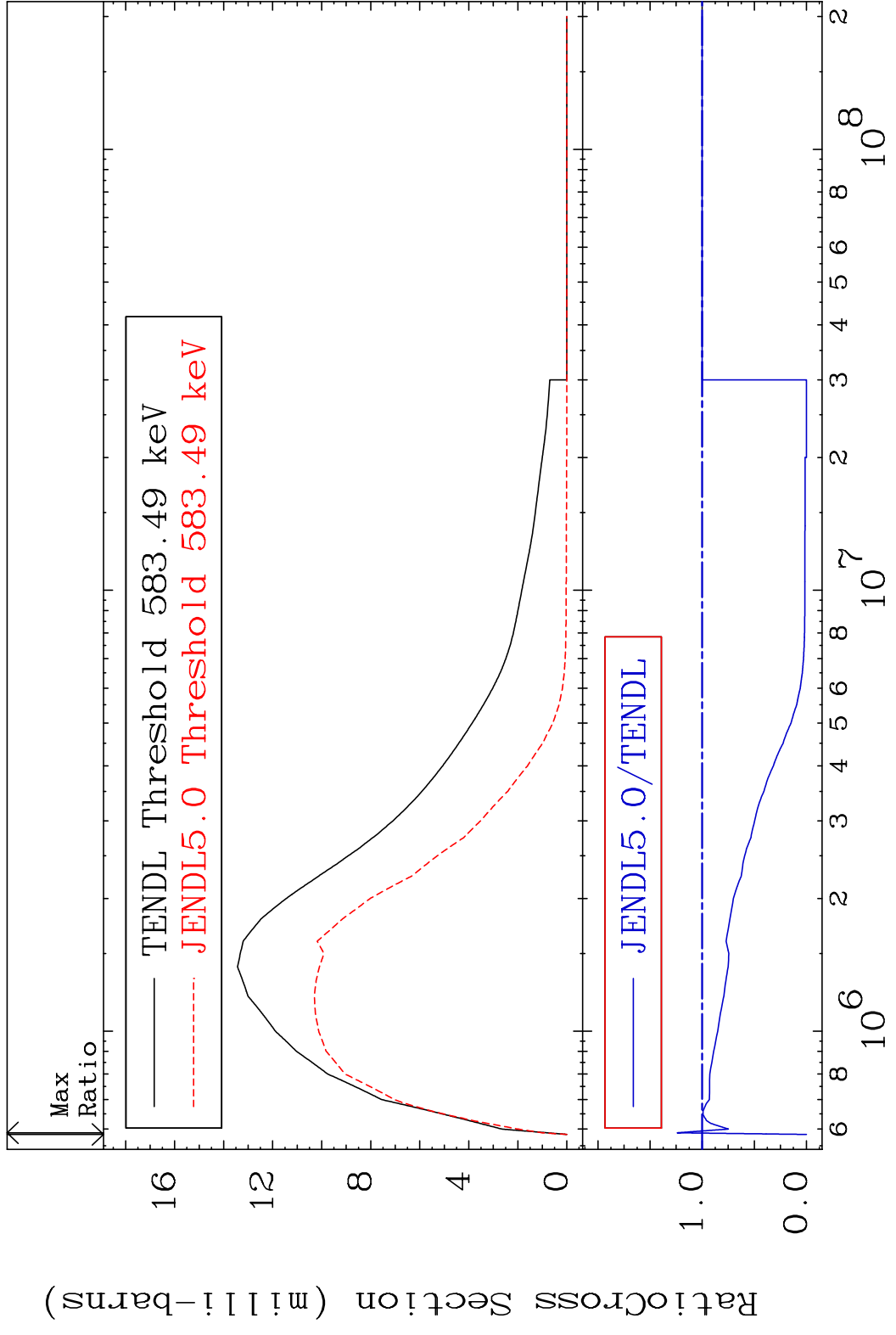
MAT 5528 MT= 76 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



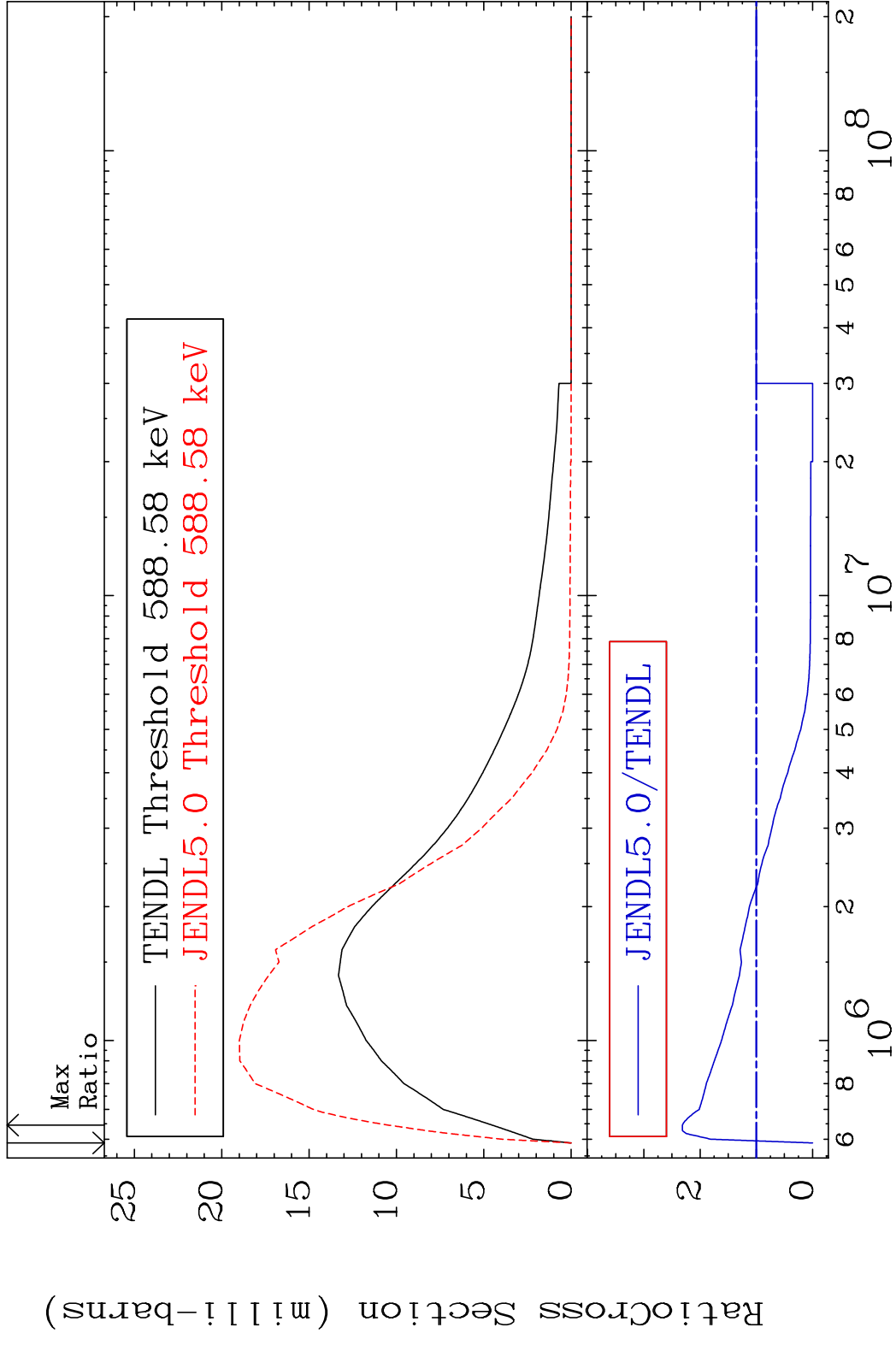
MAT 5528 MT= 77 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



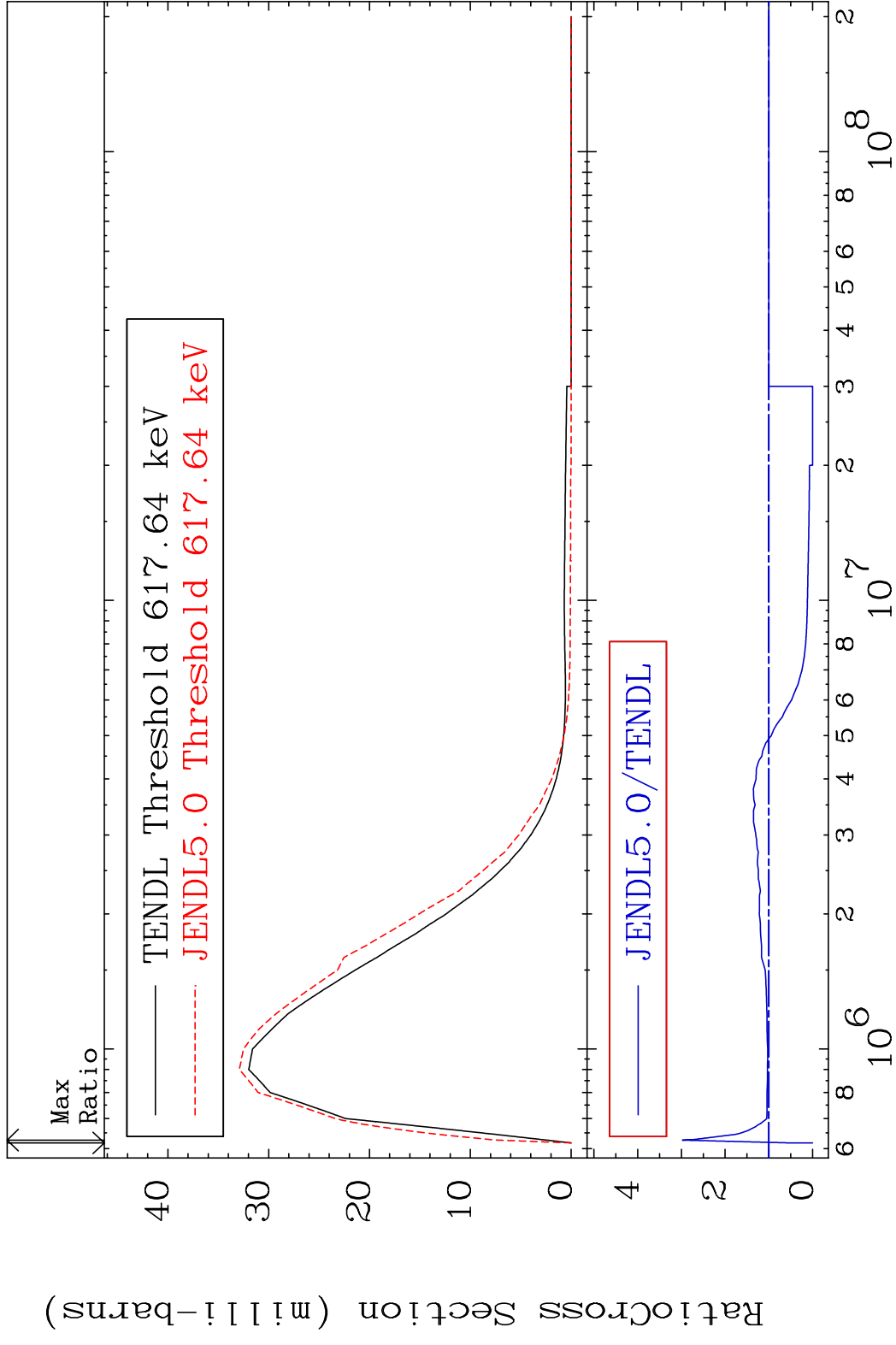
MAT 5528 MT= 78 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 23.99 %



MAT 5528 MT= 79 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 131.5 %



MAT 5528 MT= 80 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 197.8 %

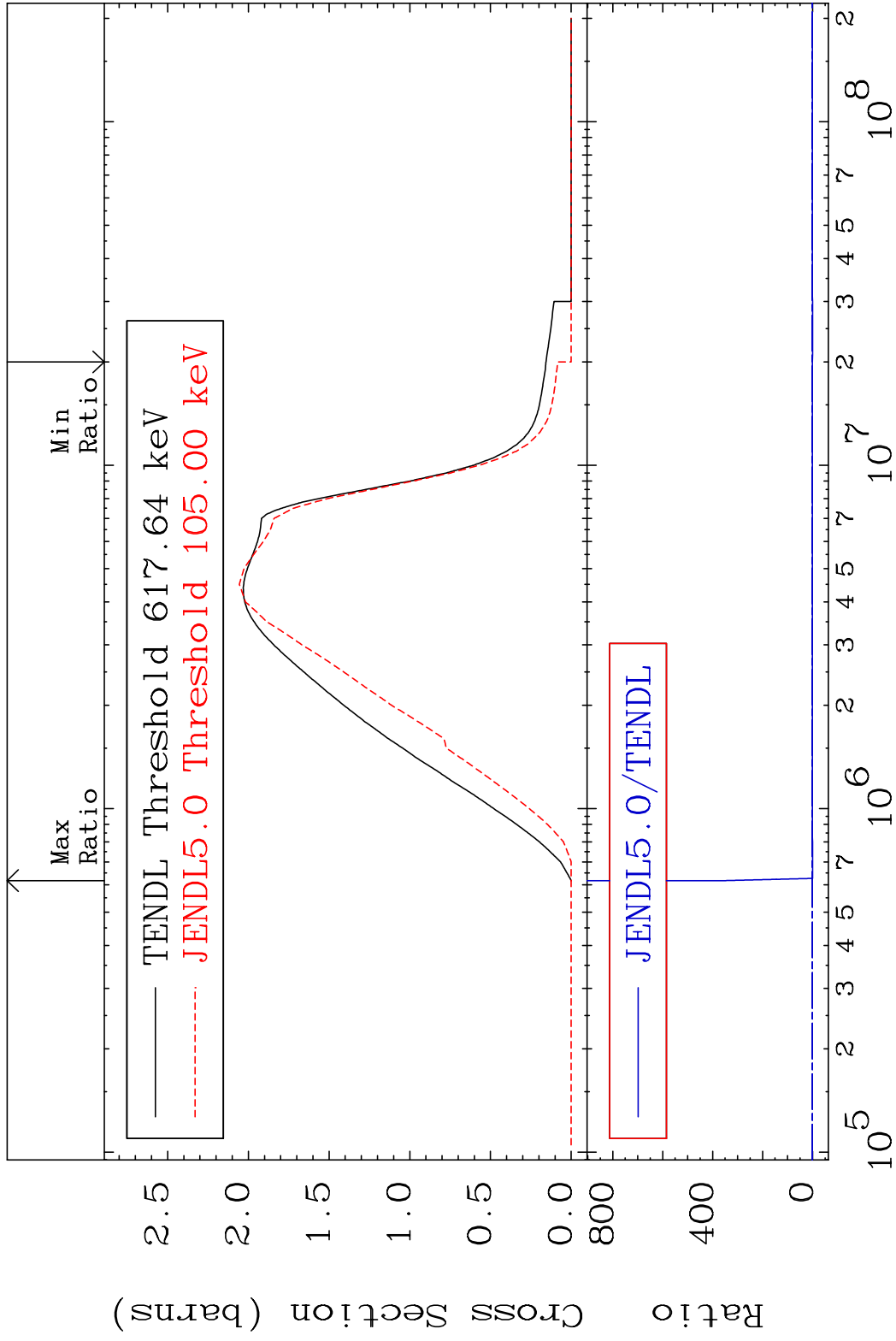


MAT 5528

(n, n') Continuum

55-Cs-134

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

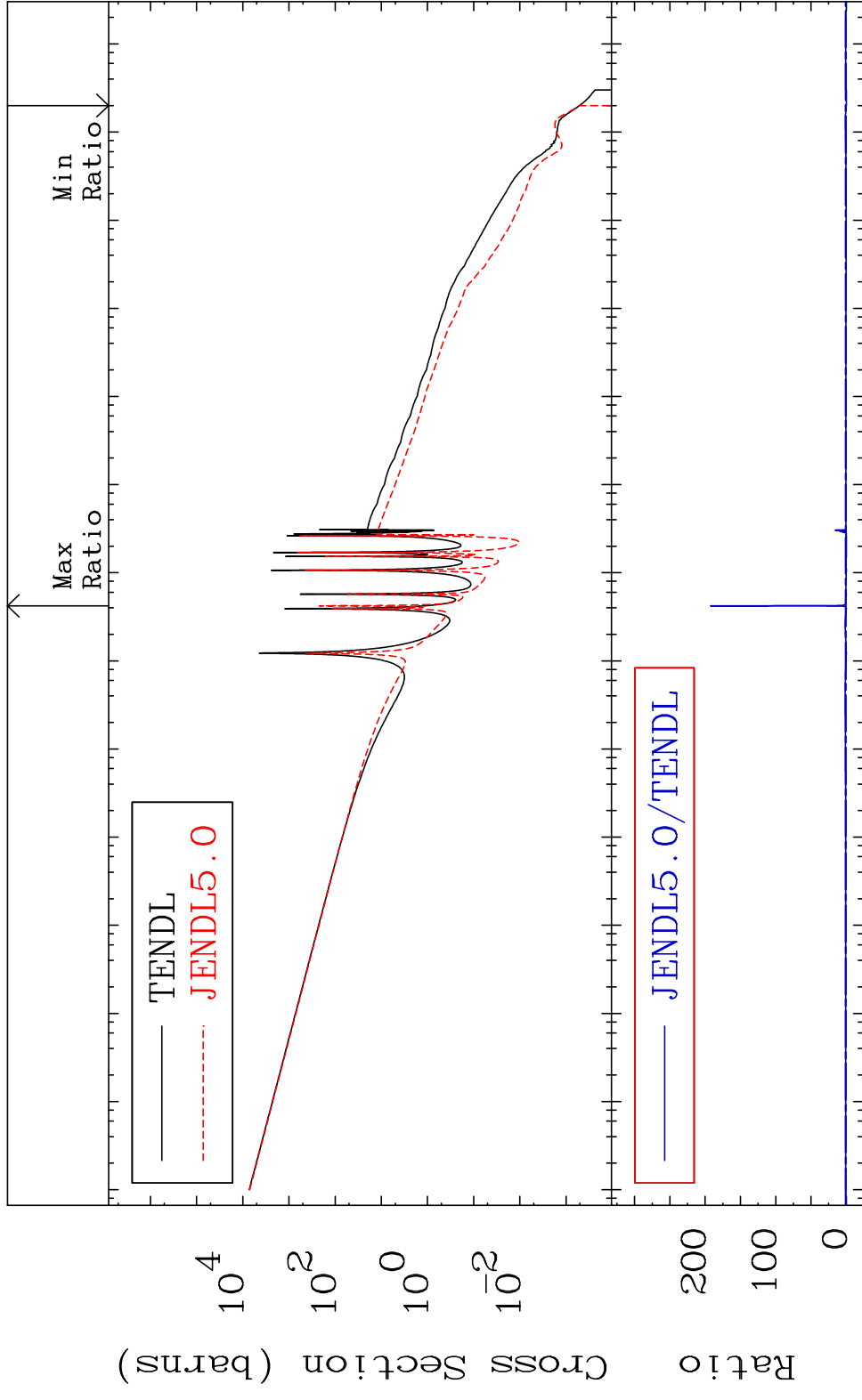
55-Cs-134

MAT 5528

55-Cs-134

(n, γ)

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

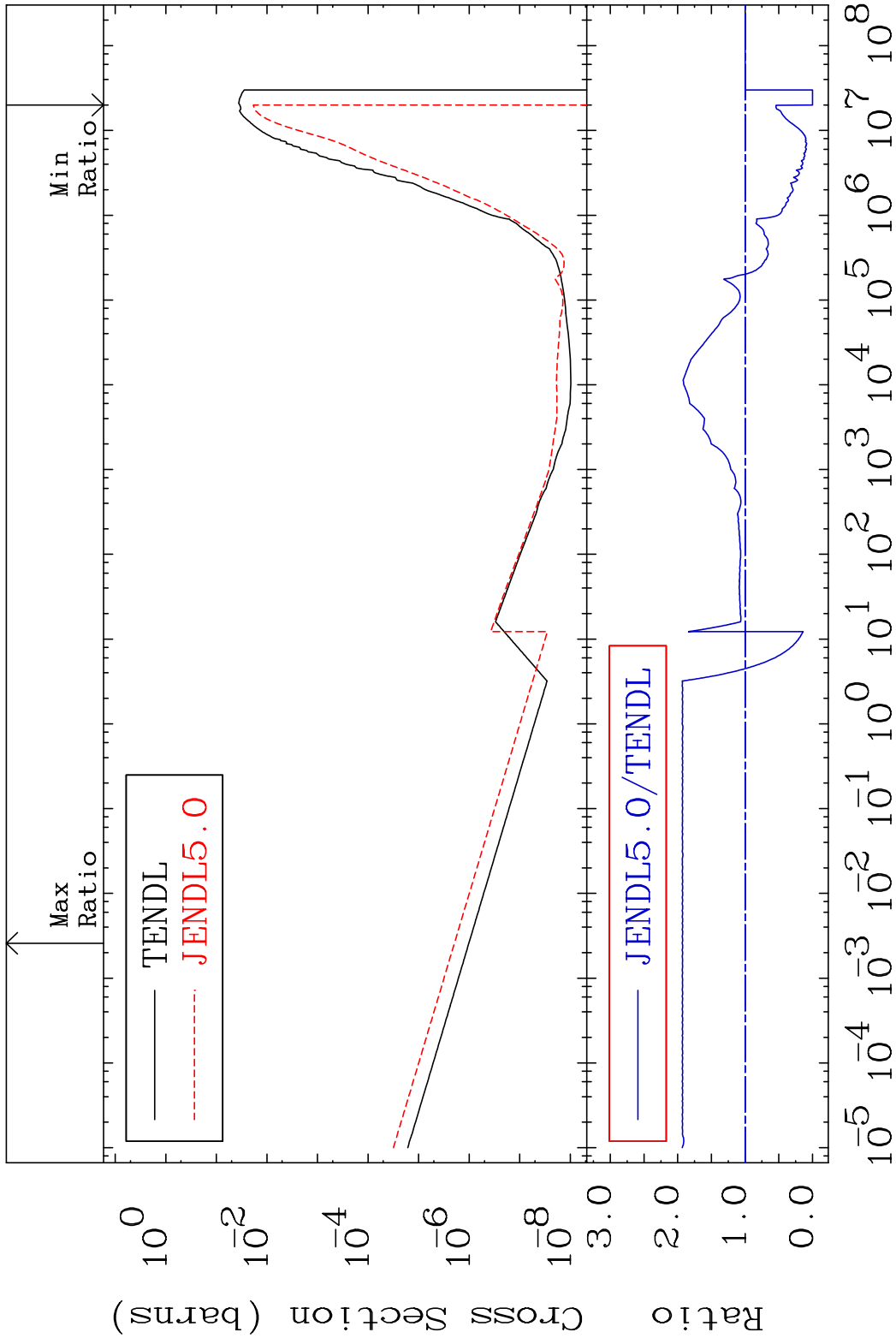
55-Cs-134

MAT 5528

(n, p)

55-Cs-134

Cross Section -100.0 To 93.40 %



48

Incident Energy (eV)

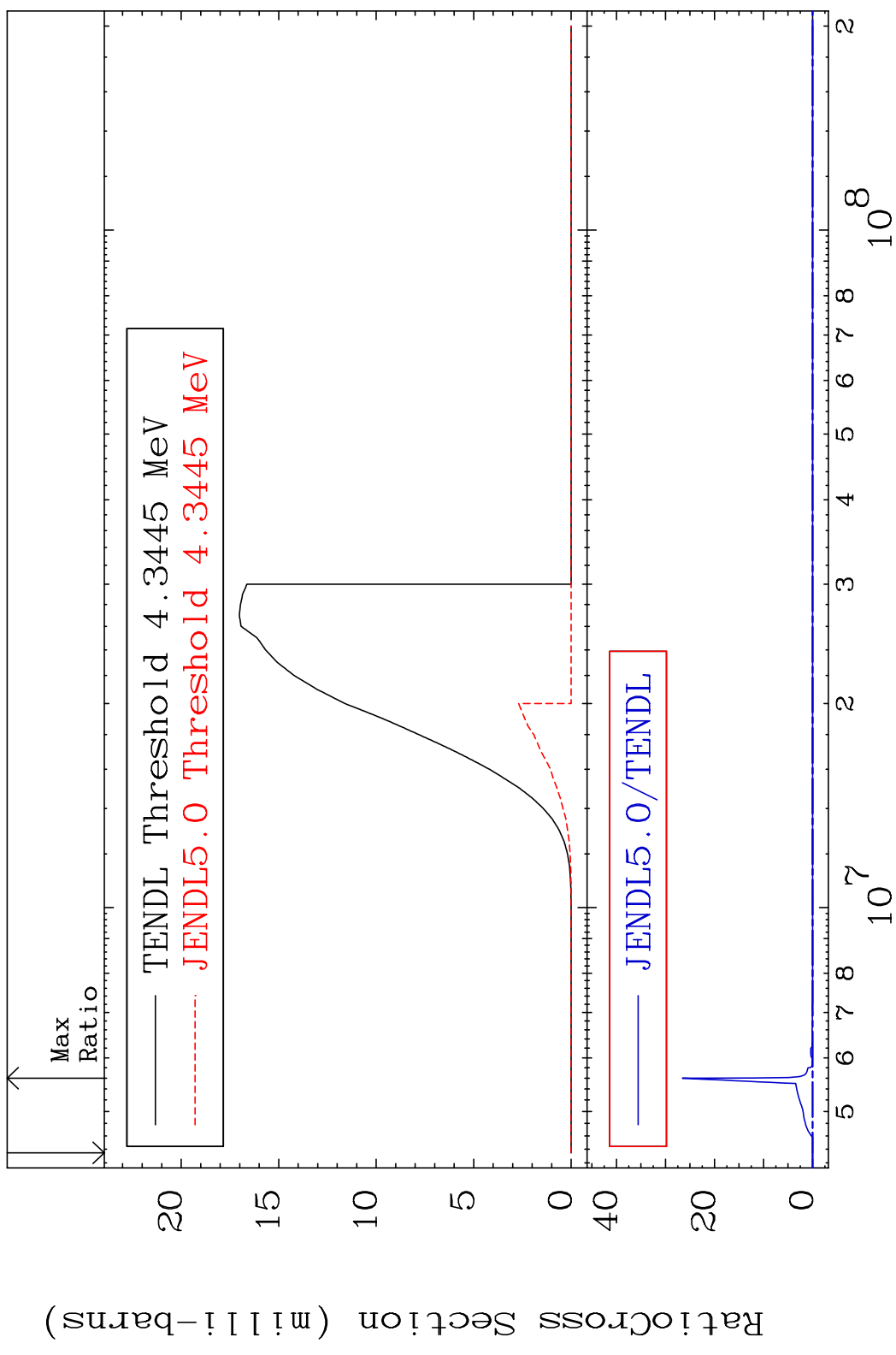
55-Cs-134

MAT 5528

(n,d)

55-Cs-134

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

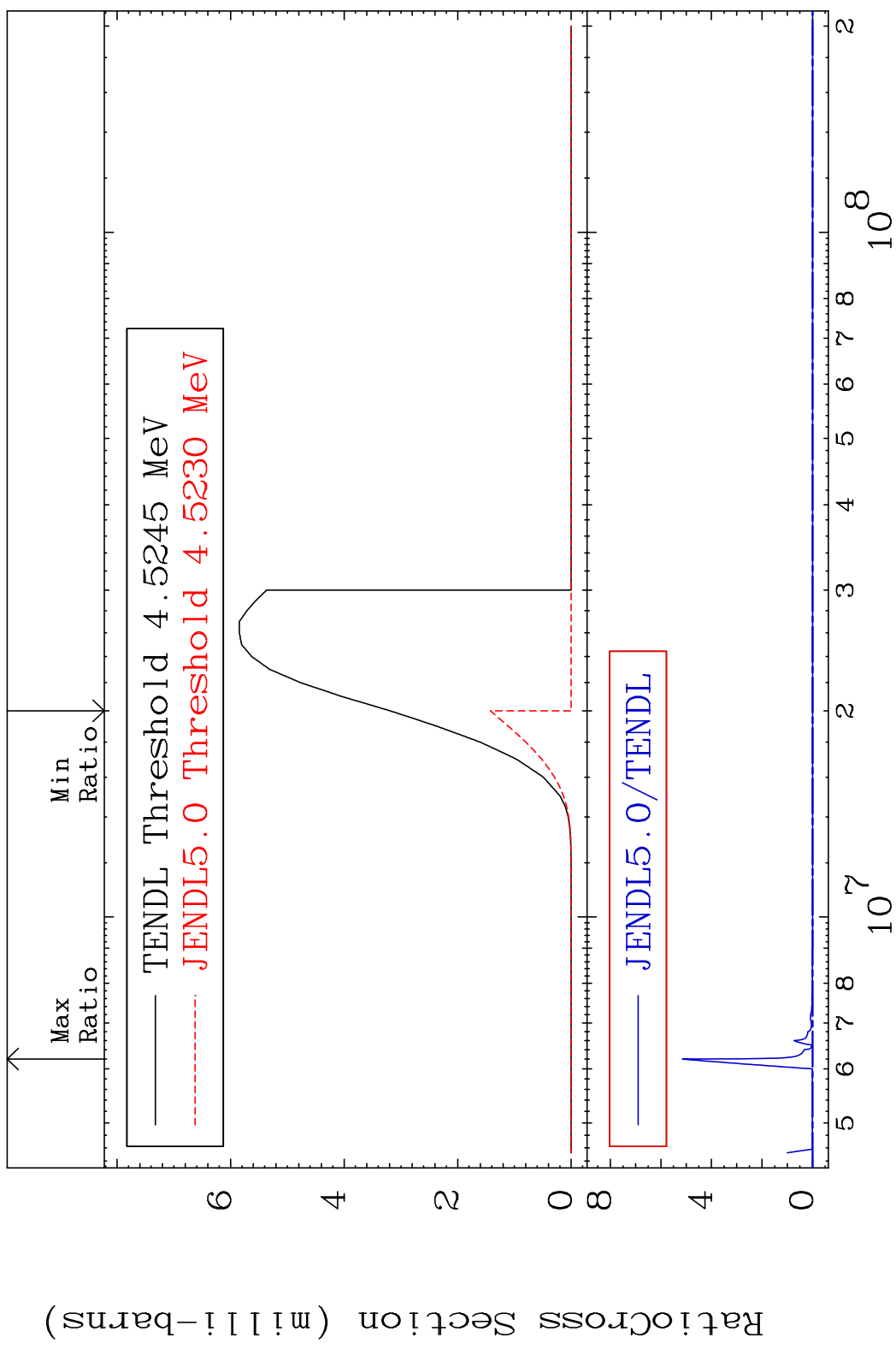
55-Cs-134

MAT 5528

(n, t)

55-Cs-134

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

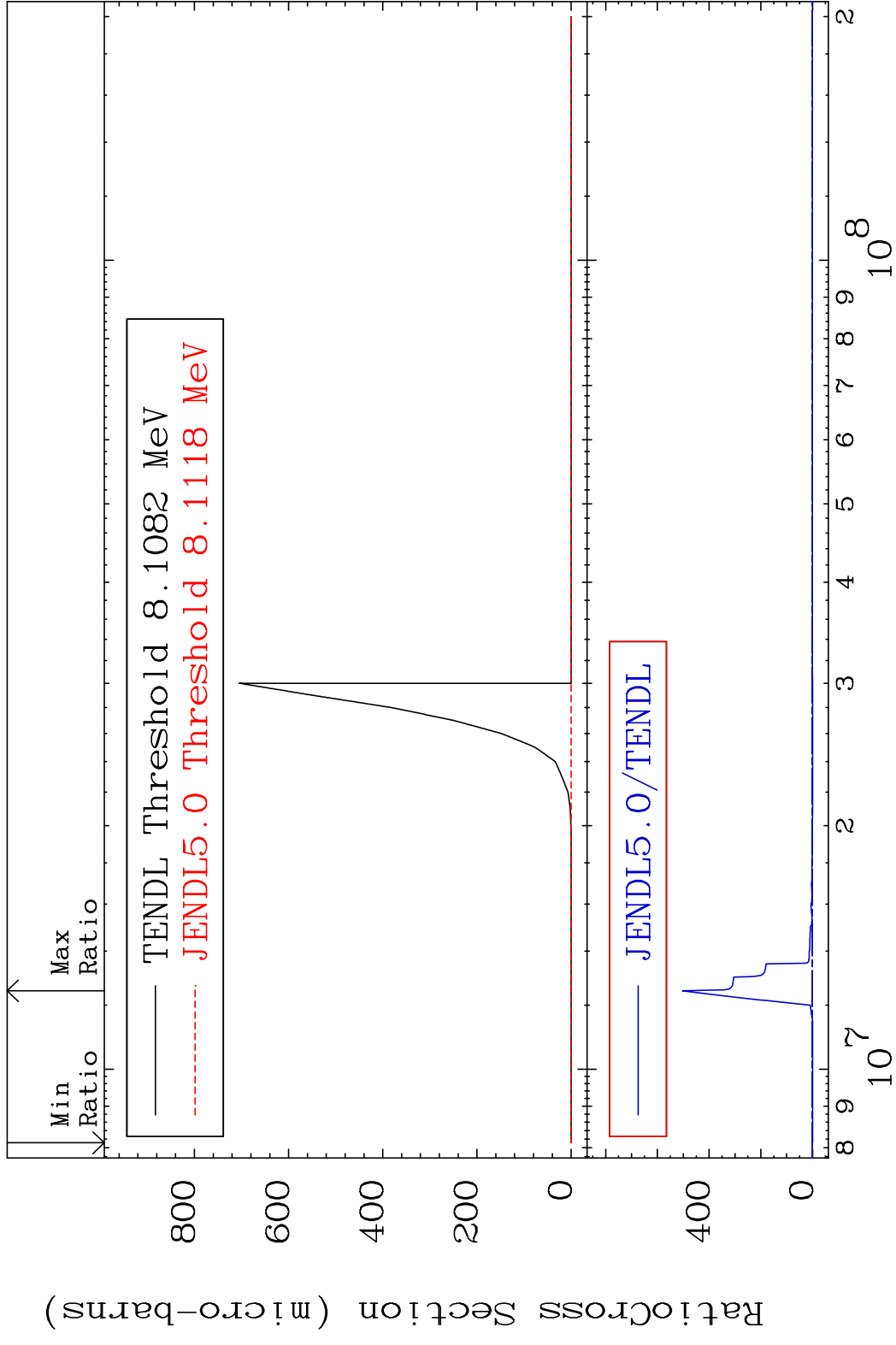
55-Cs-134

MAT 5528

(n, He-3)

55-Cs-134

Cross Section -100.0 To 9999. %

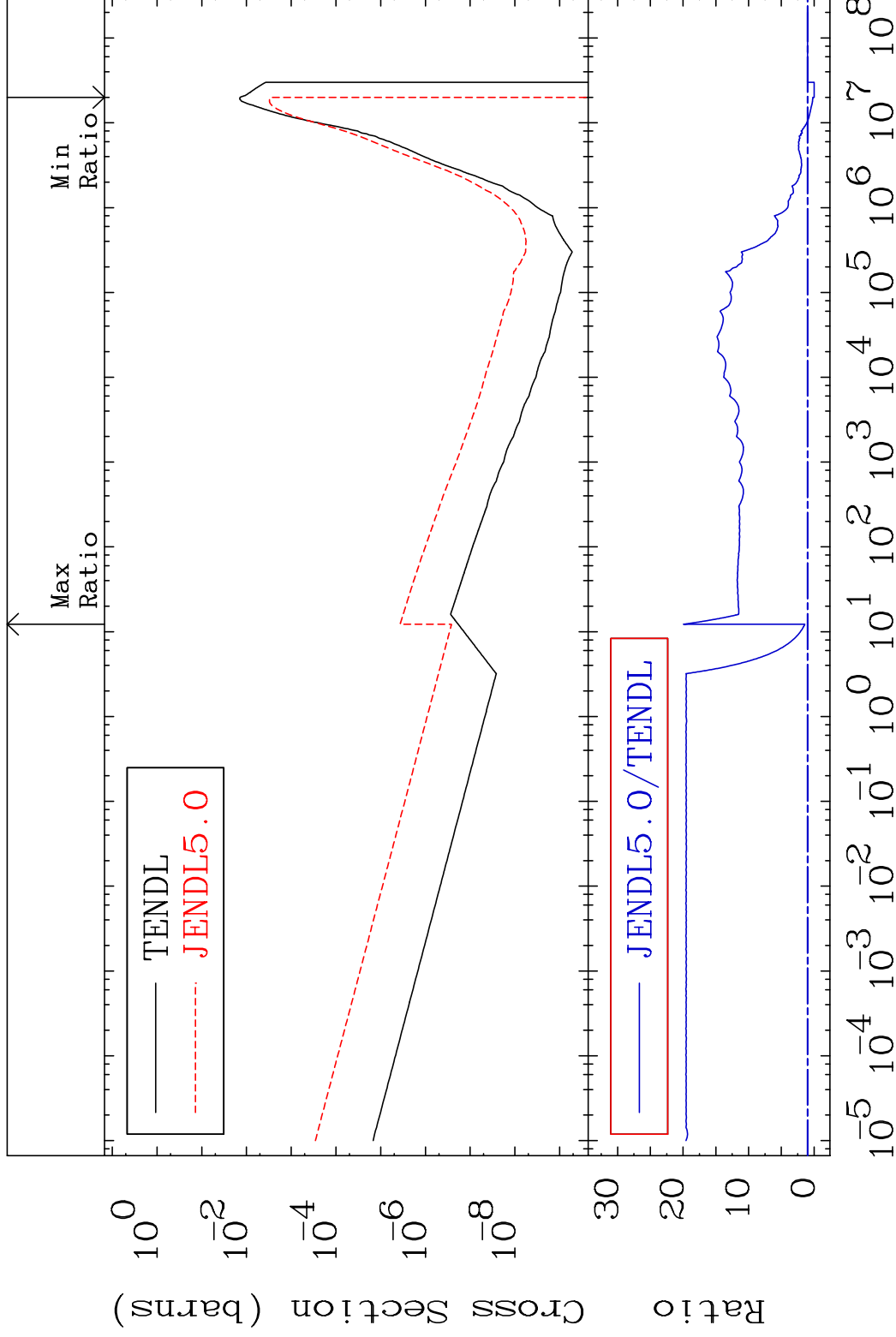


MAT 5528

(n, α)

Cross Section -100.0 To 1891. %

55-Cs-134



52

Incident Energy (eV)

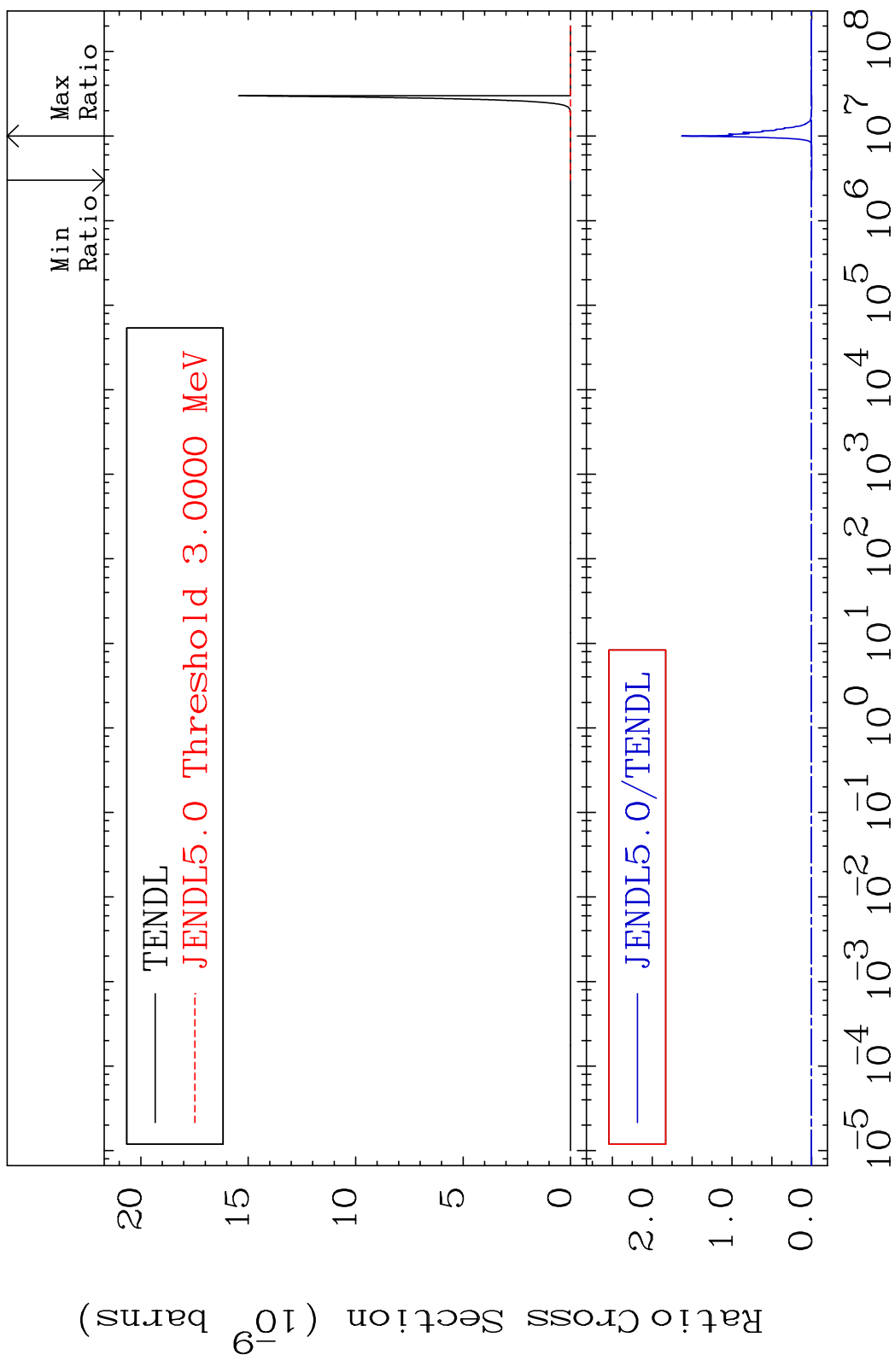
55-Cs-134

MAT 5528

(n,2α)

55-Cs-134

Cross Section -100.0 To 9999. %

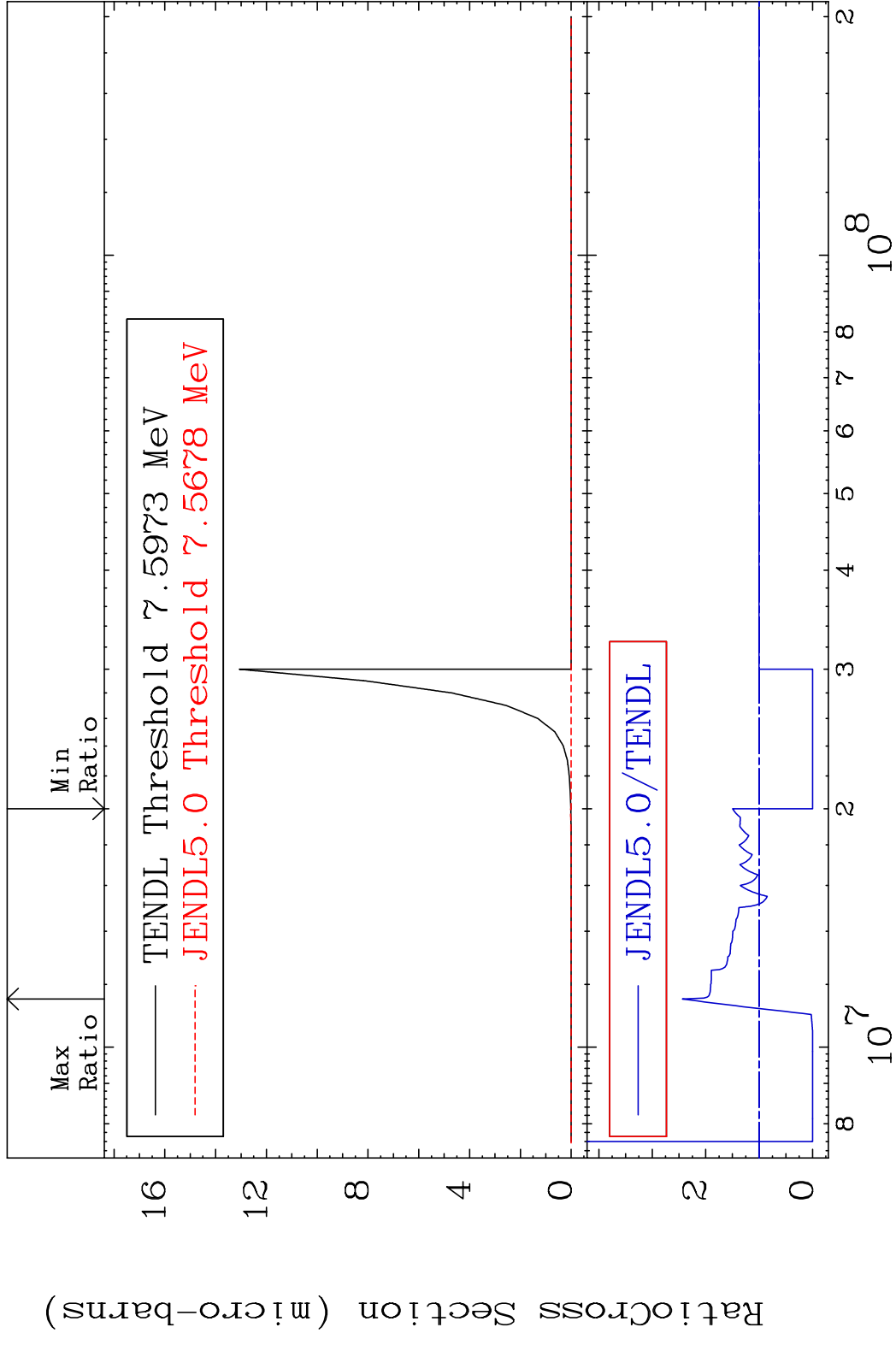


53

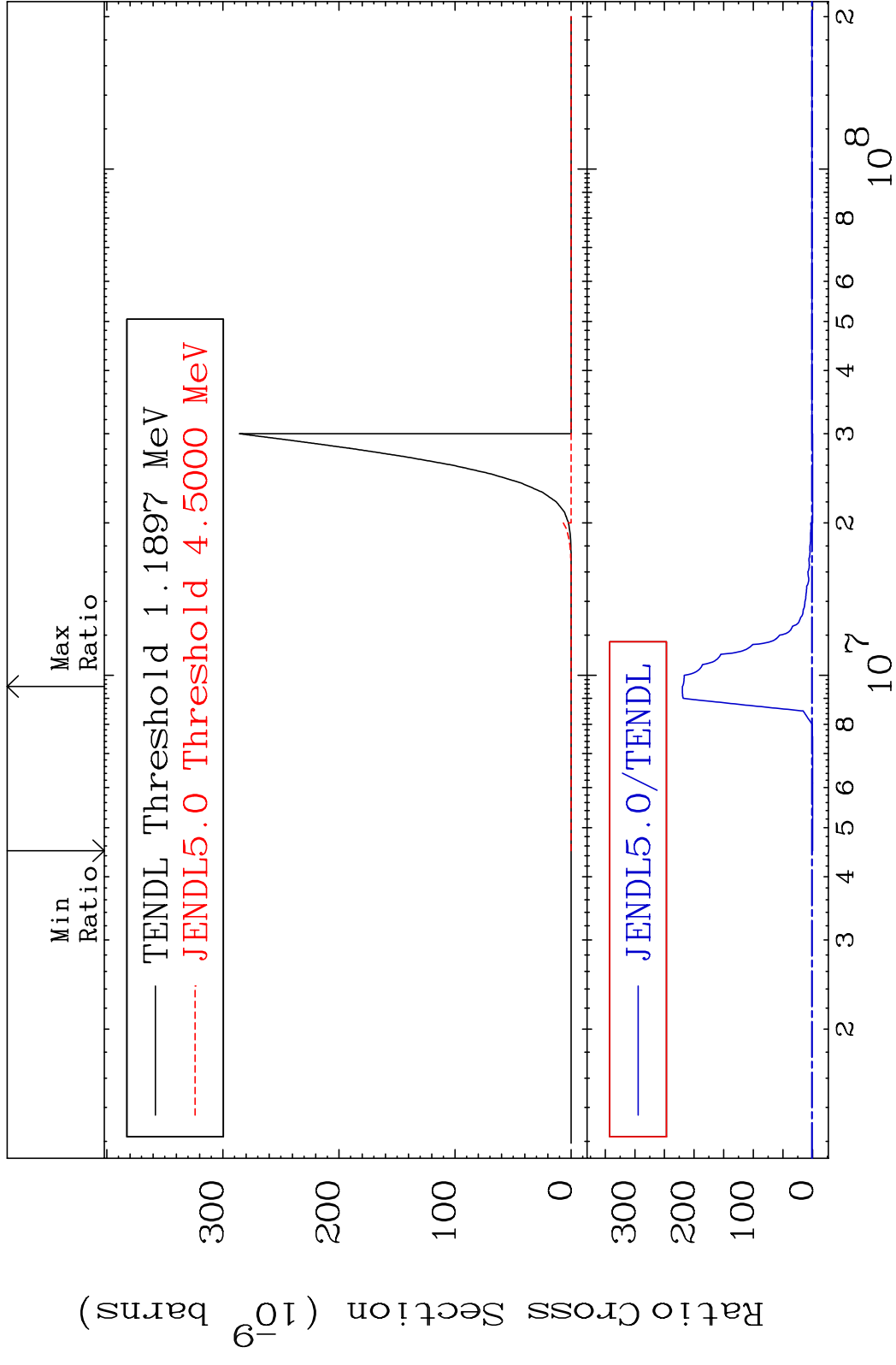
Incident Energy (eV)

55-Cs-134

MAT 5528 (n,2p) 55-Cs-134
 Cross Section -100.0 To 143.7 %



MAT 5528 (n,p) α 55-Cs-134
 Cross Section -100.0 To 9999. %

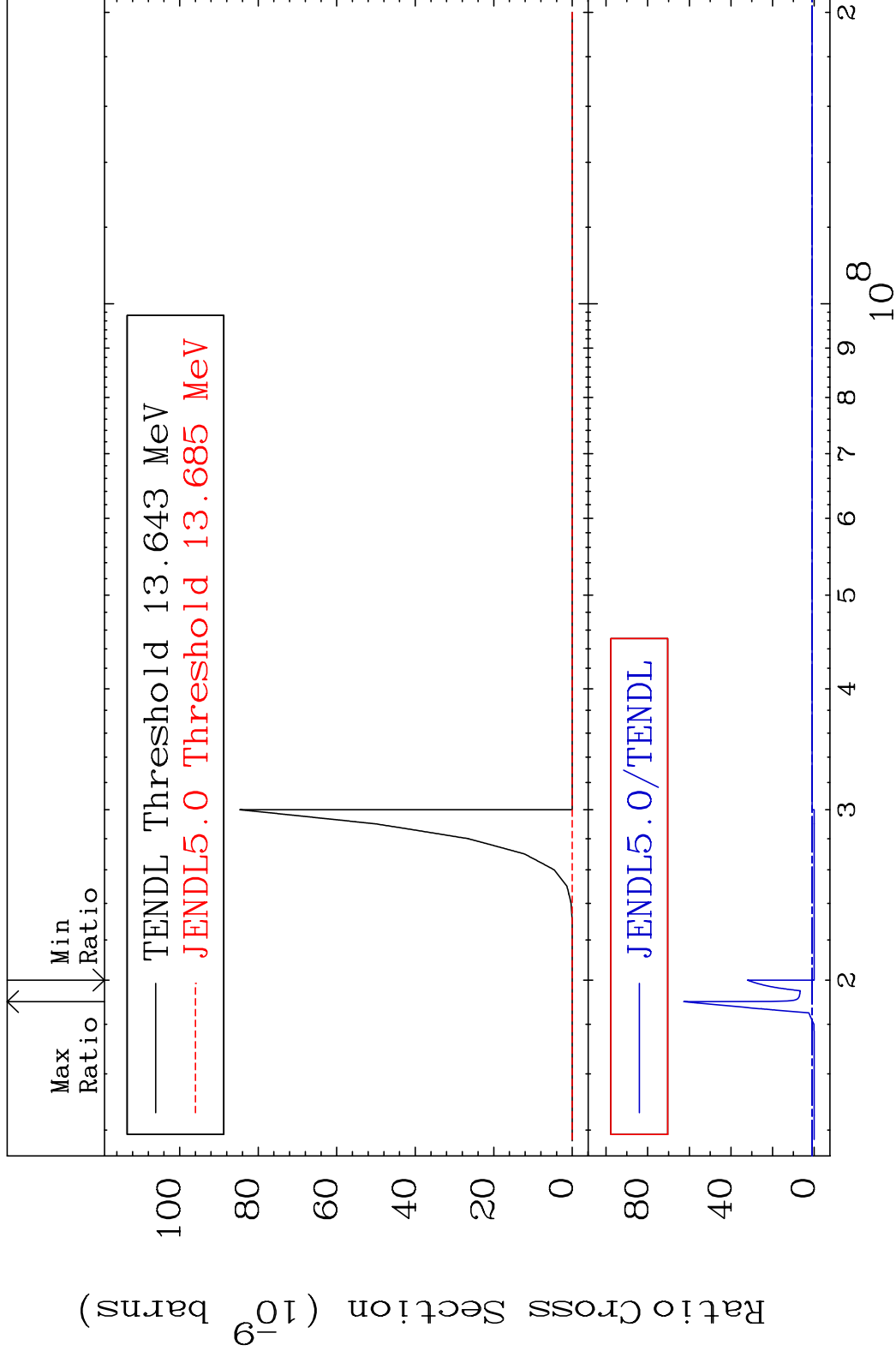


MAT 5528

(n,p) d

55-Cs-134

Cross Section -100.0 To 6172. %

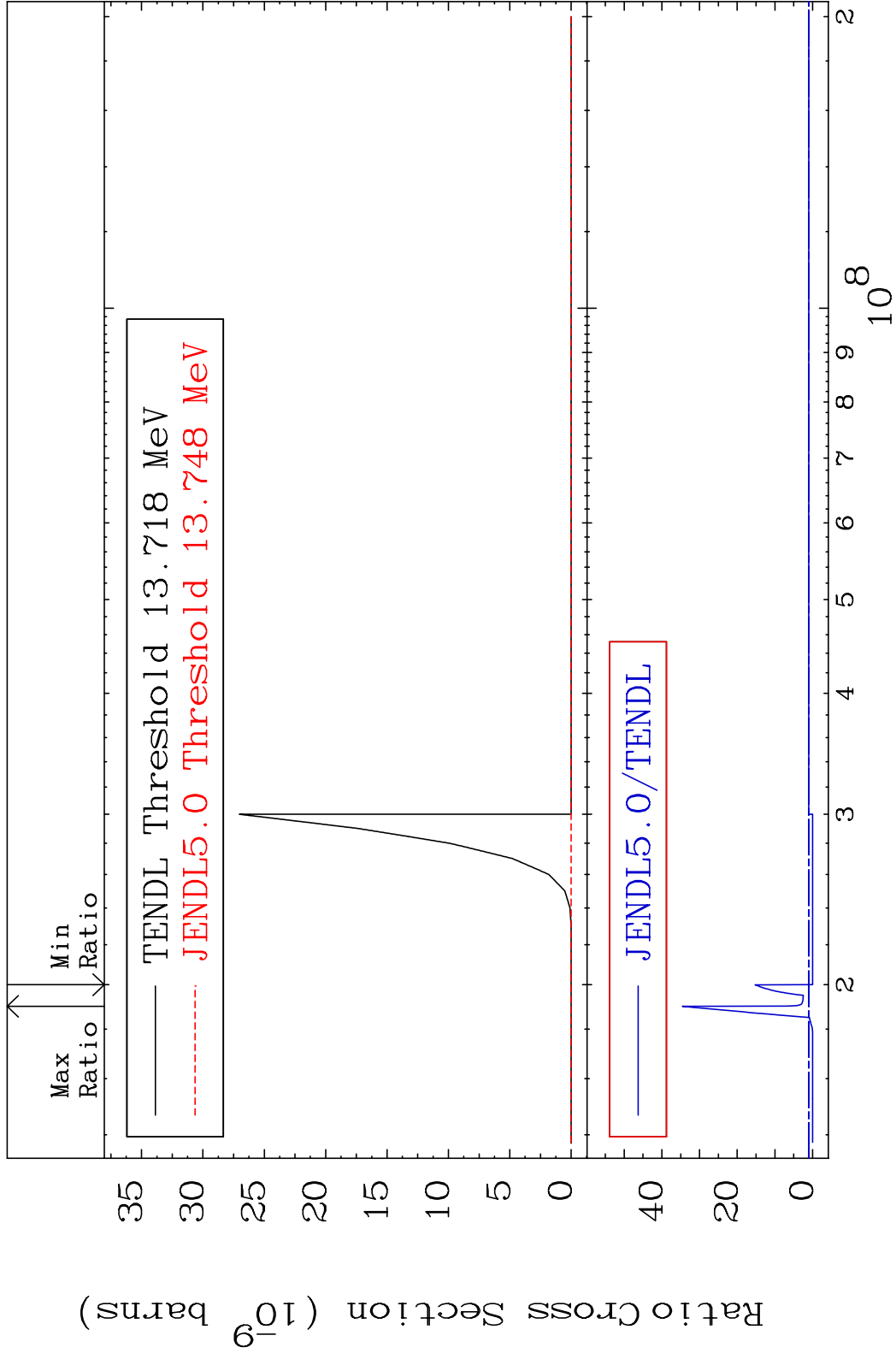


56

Incident Energy (eV)

55-Cs-134

MAT 5528 (n,p) t 55-Cs-134
 Cross Section -100.0 To 3356. %

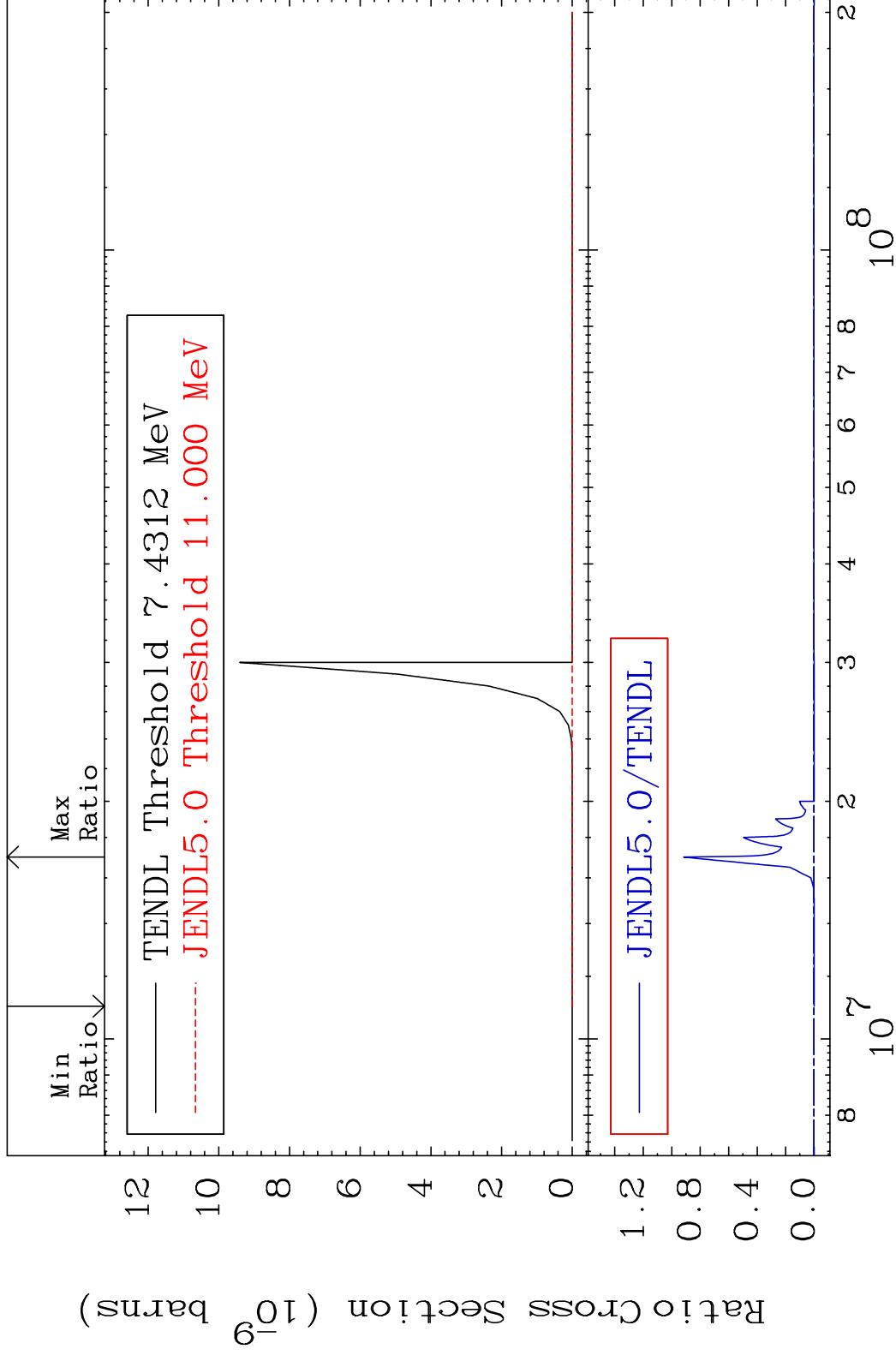


MAT 5528

(n,d) α

55-Cs-134

Cross Section -100.0 To 9999. %

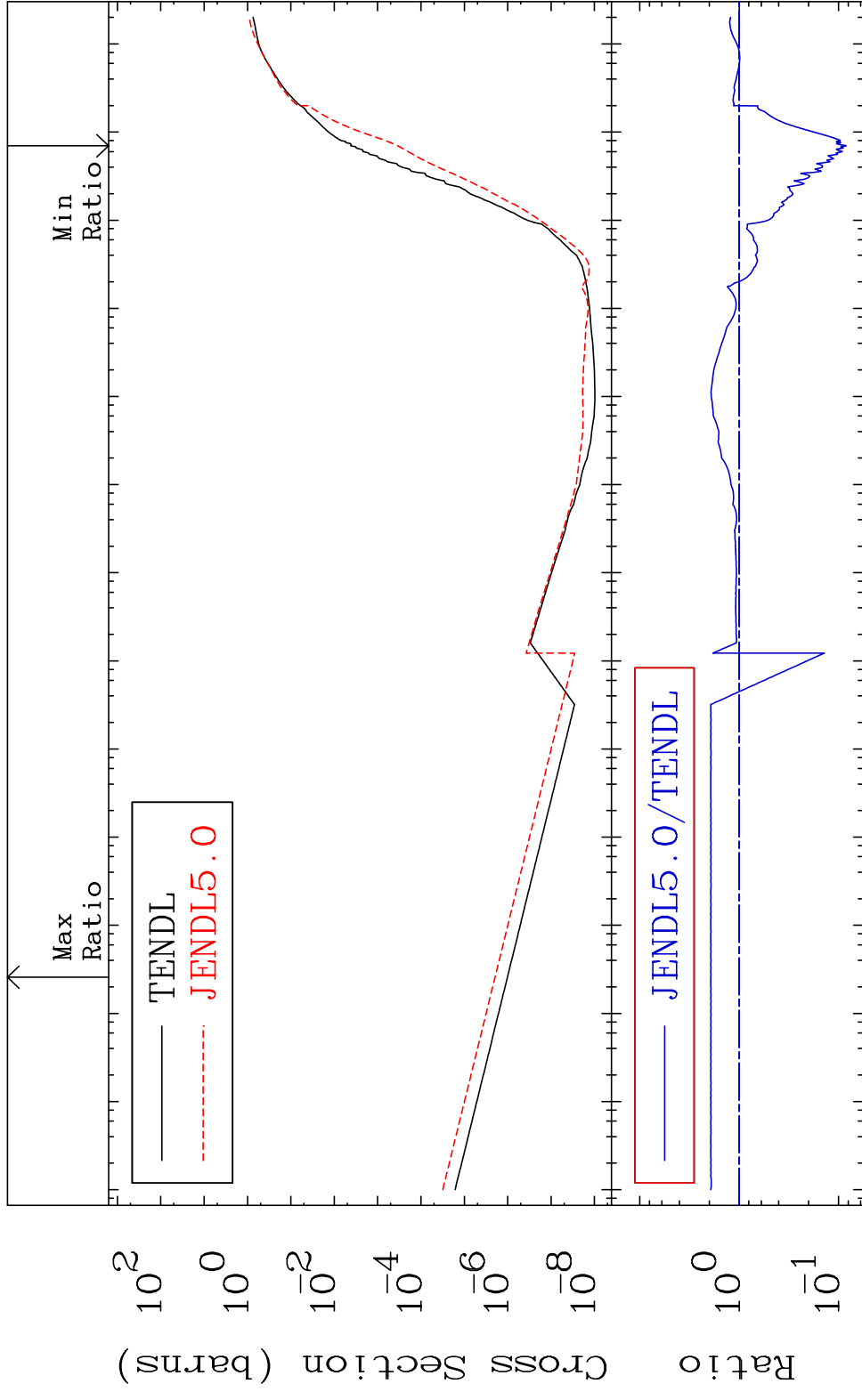


58

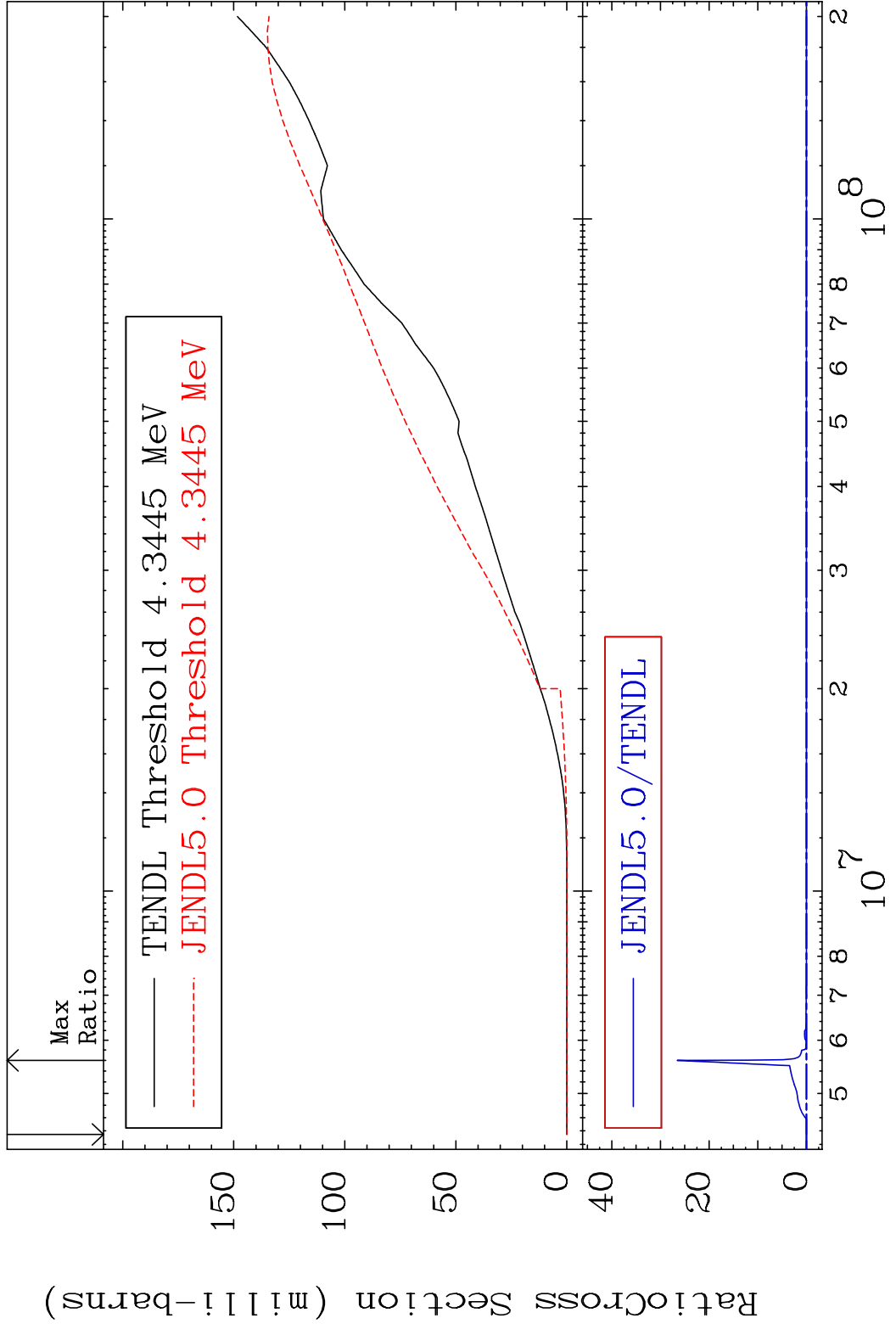
Incident Energy (eV)

55-Cs-134

MAT 5528 Hydrogen Production 55-Cs-134
 Cross Section -91.64 To 93.40 %

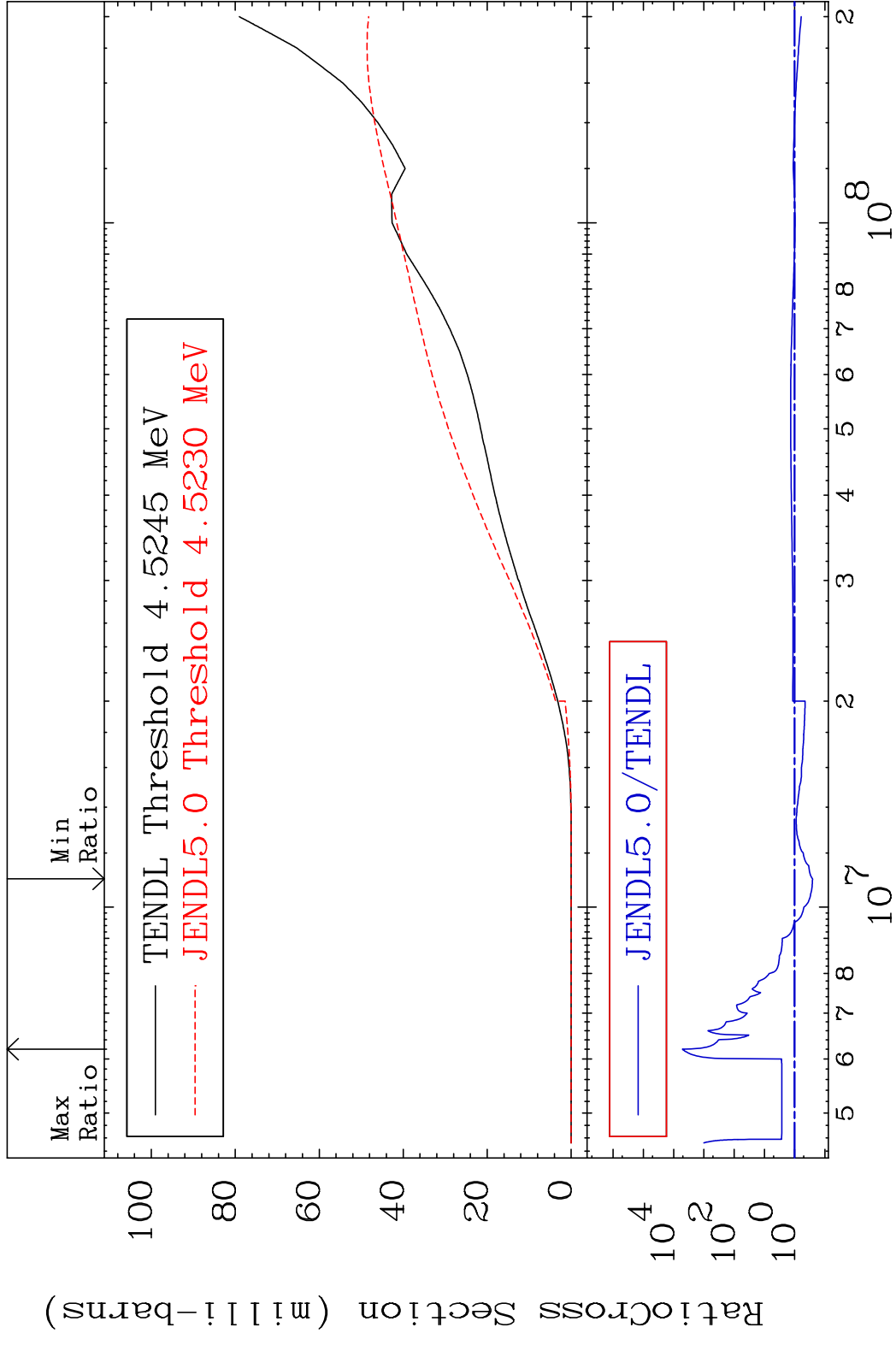


MAT 5528 Deuterium Production 55-Cs-134
 Cross Section -100.0 To 9999. %



60 55-Cs-134

MAT 5528 Tritium Production 55-Cs-134
 Cross Section -74.32 To 9999. %

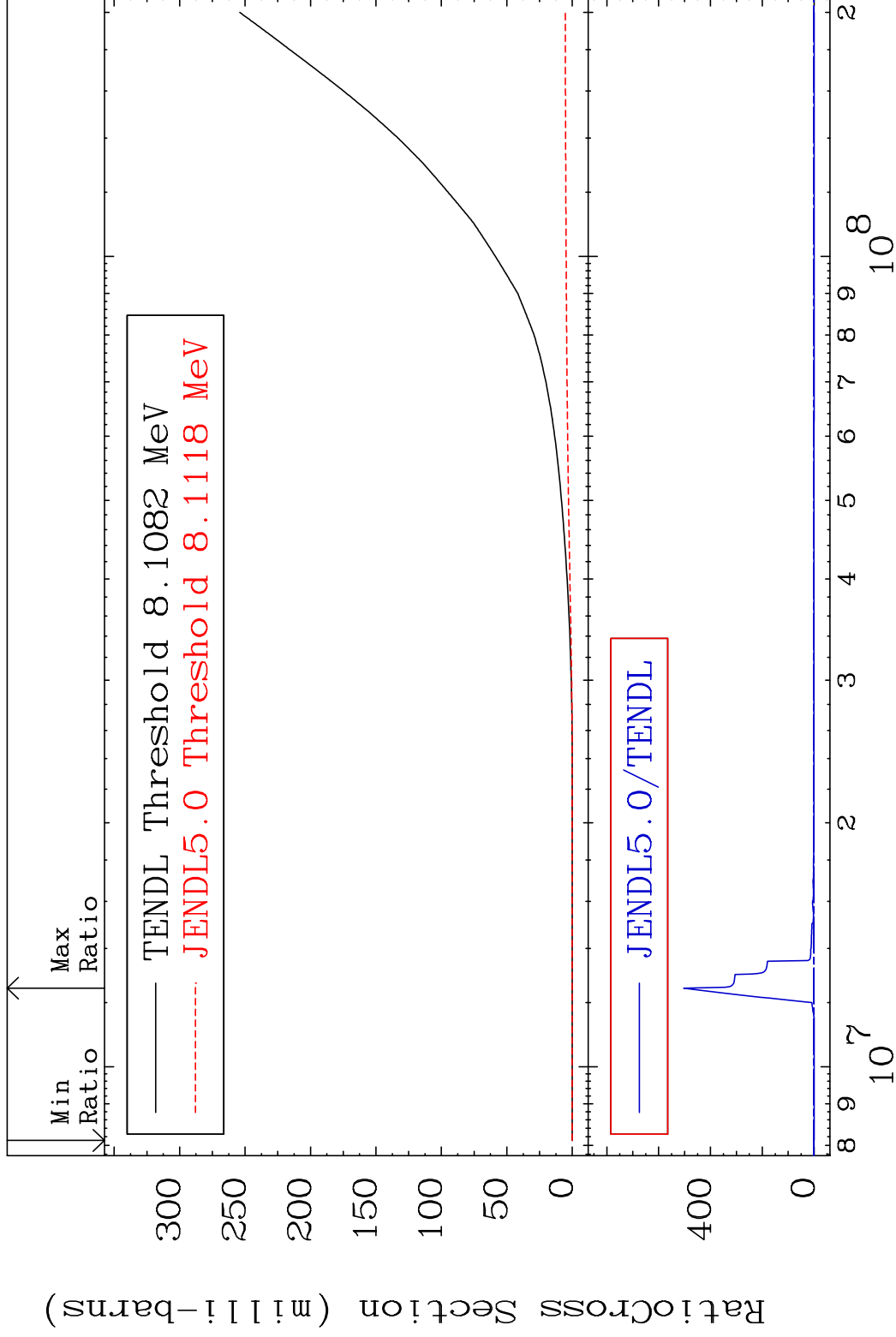


MAT 5528

He-3 Production

55-Cs-134

Cross Section -100.0 To 9999. %



62

Incident Energy (eV)

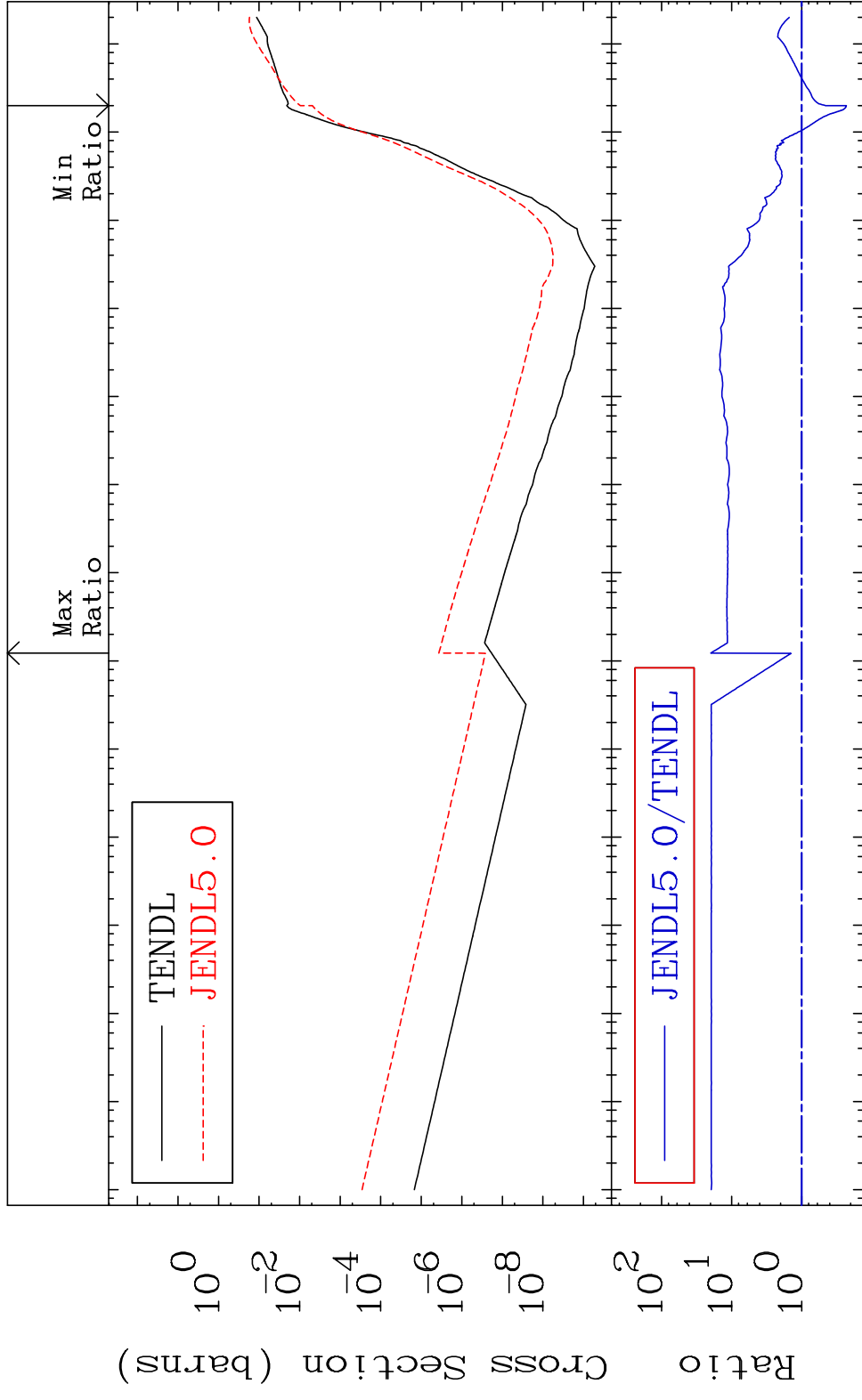
55-Cs-134

MAT 5528

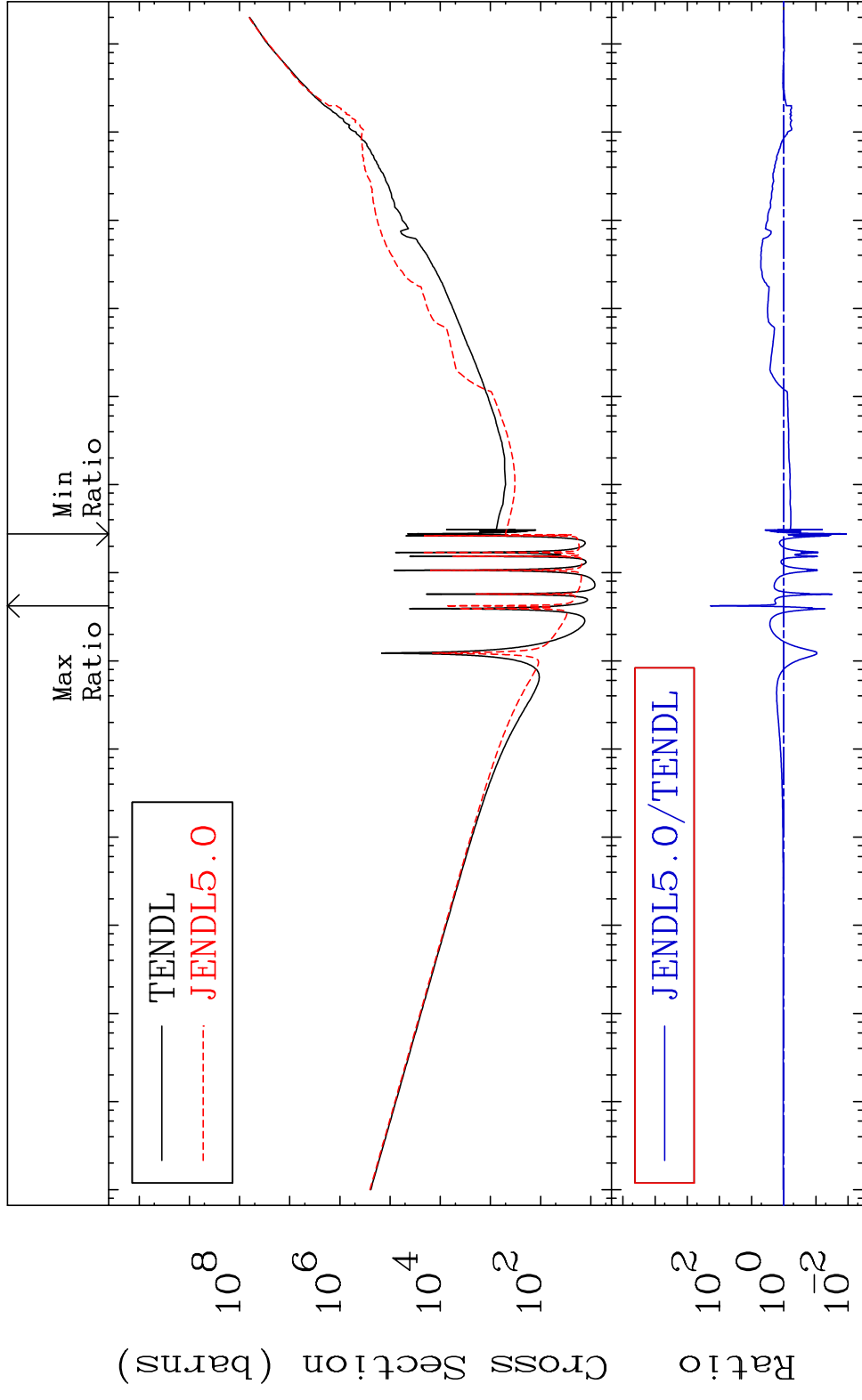
He-4 Production

55-Cs-134

Cross Section -76.86 To 1891. %



MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section -98.86 To 9999. %



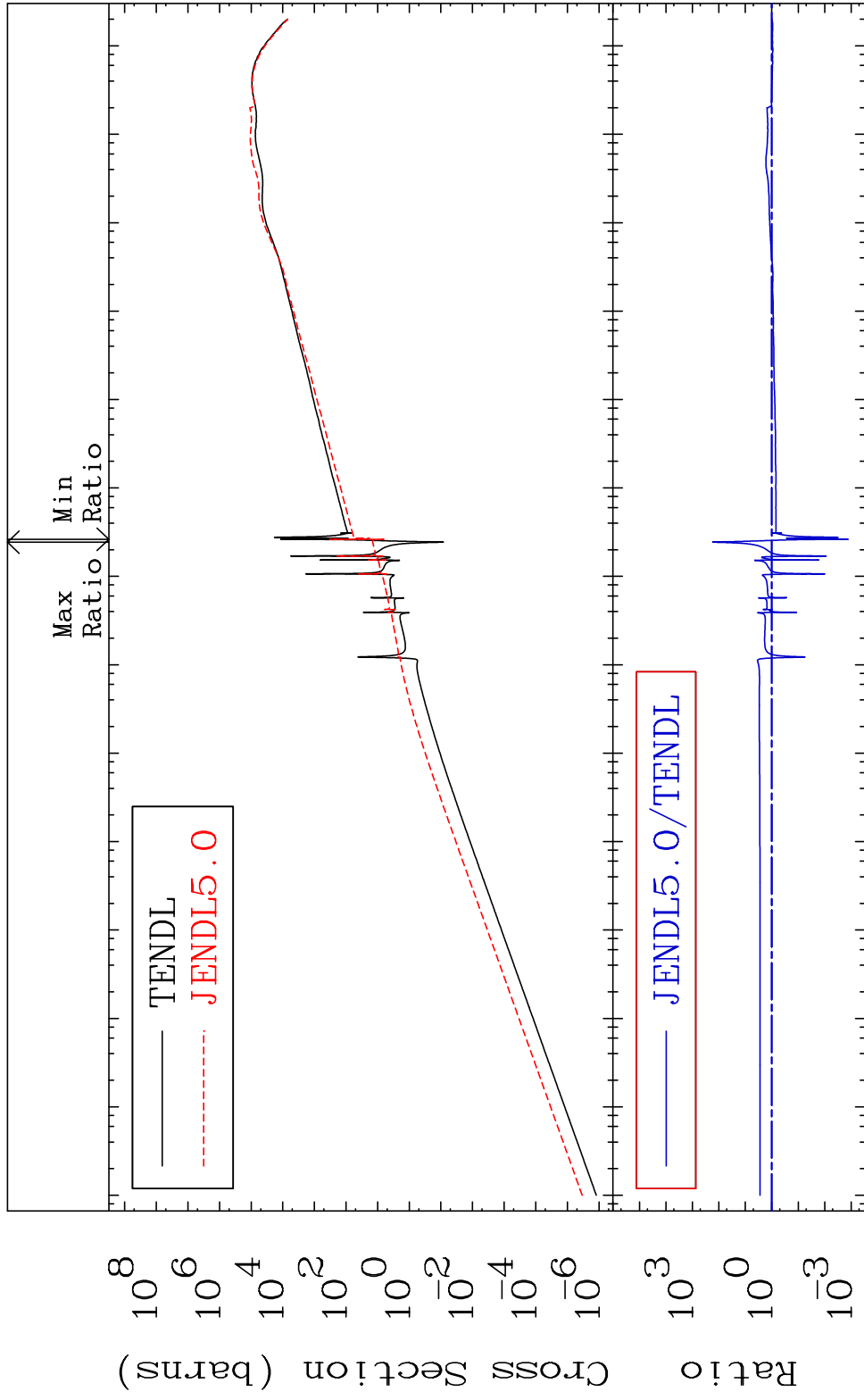
Ratio
 10²
 10⁰
 10⁻²
 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV)

MAT 5528

Kerma elastic

55-Cs-134

Cross Section -99.87 To 9999. %

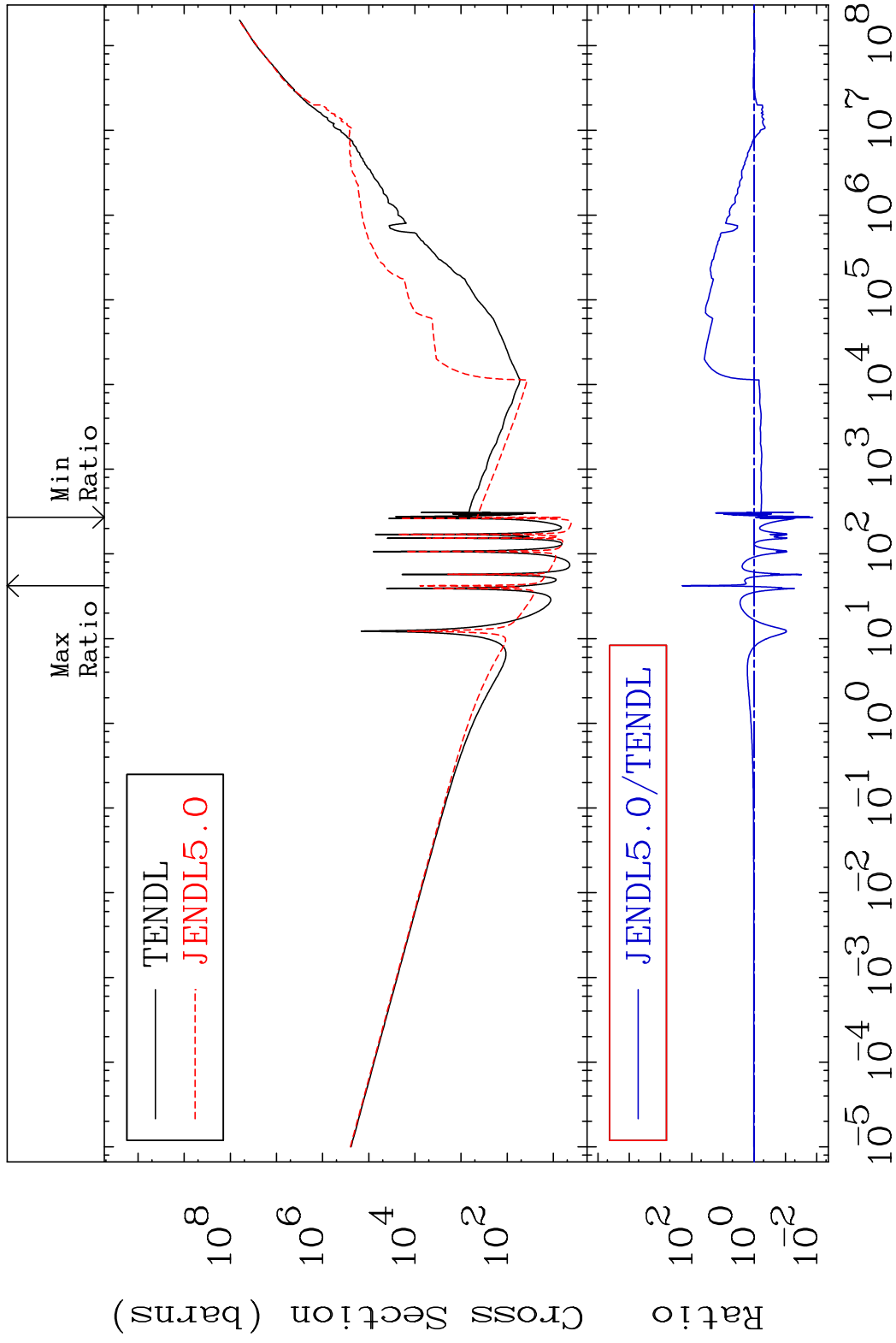


65

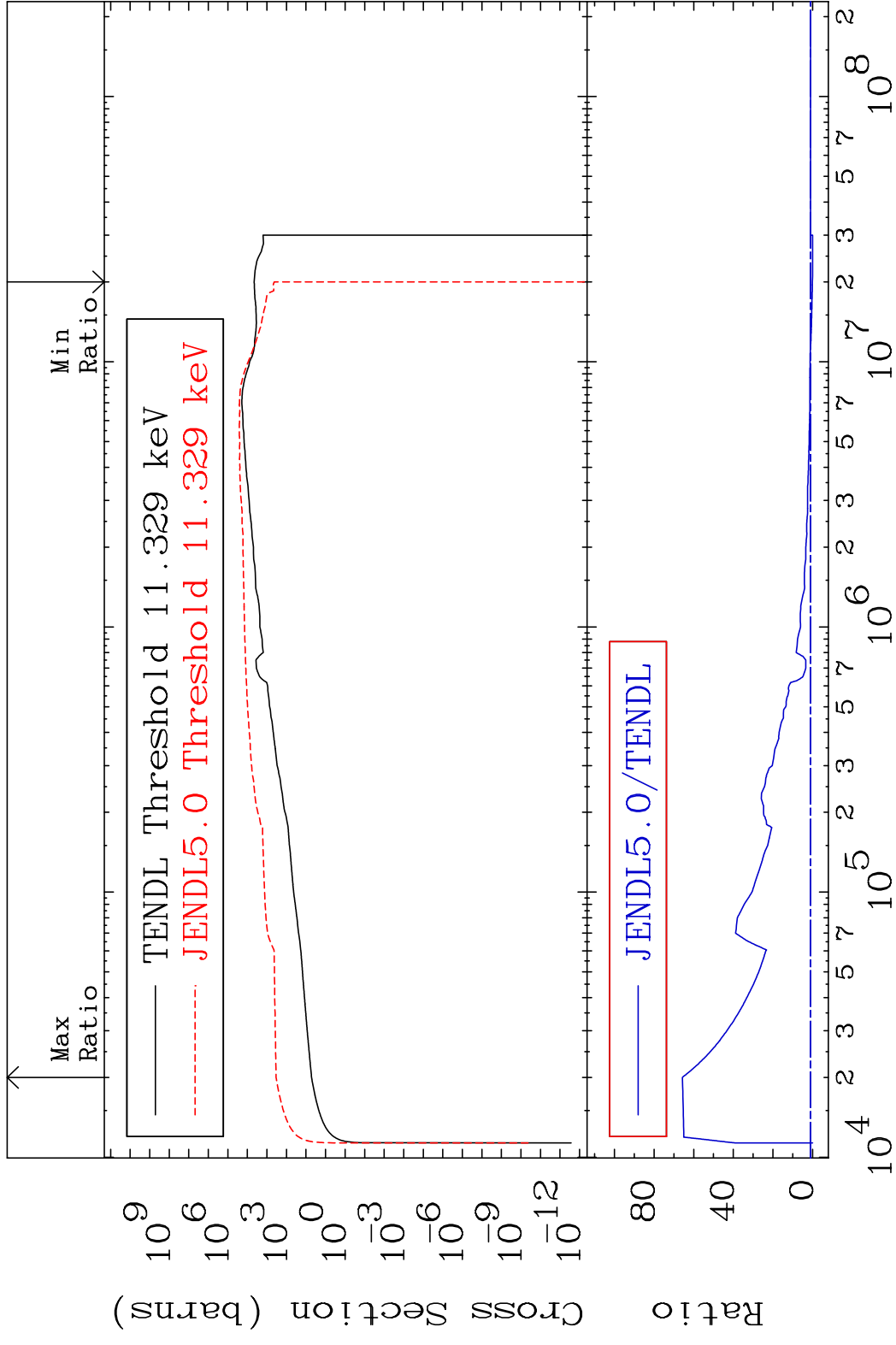
Incident Energy (eV)

55-Cs-134

MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section -98.64 To 9999. %

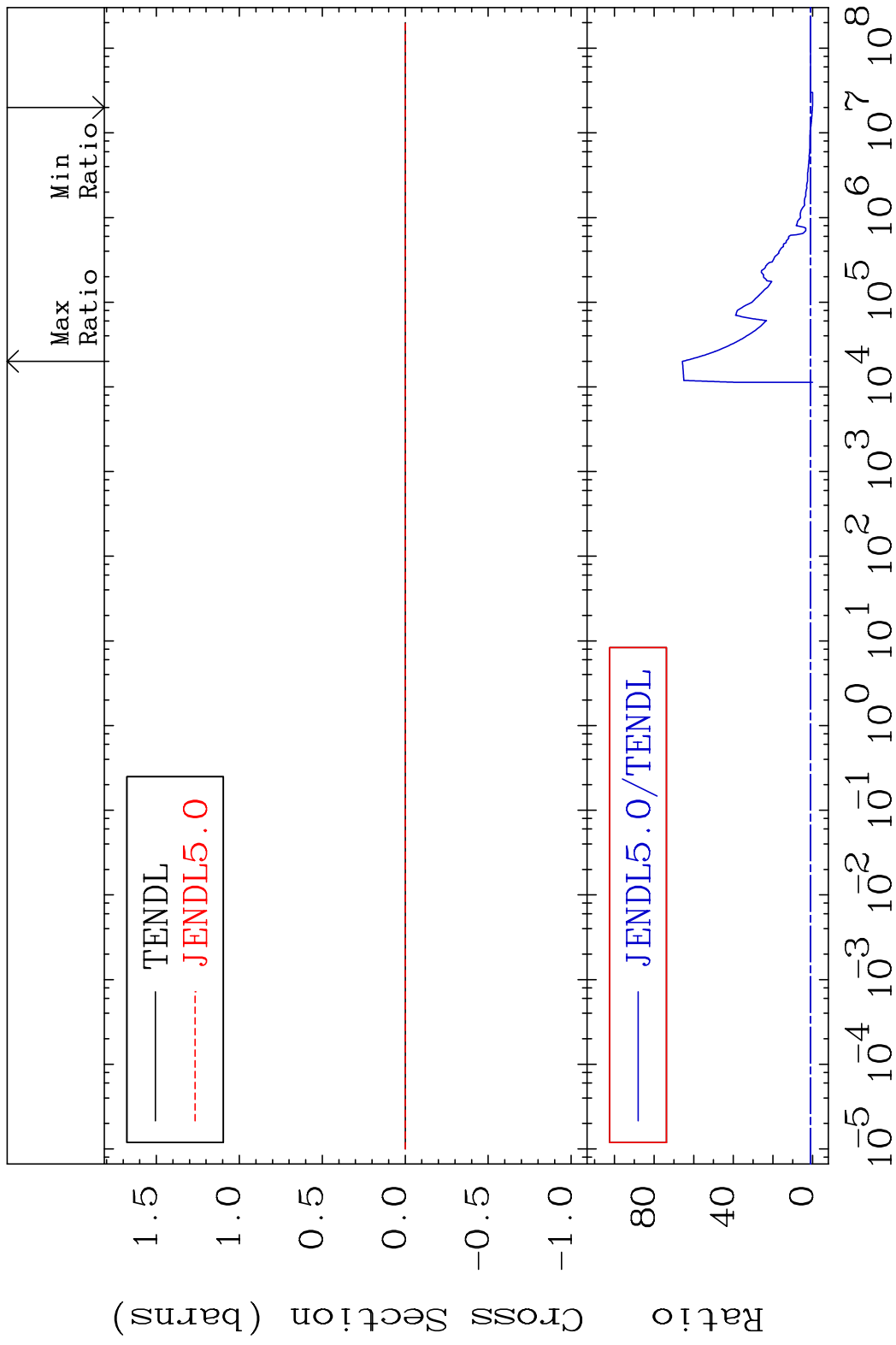


MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
 Cross Section -100.0 To 6473. %

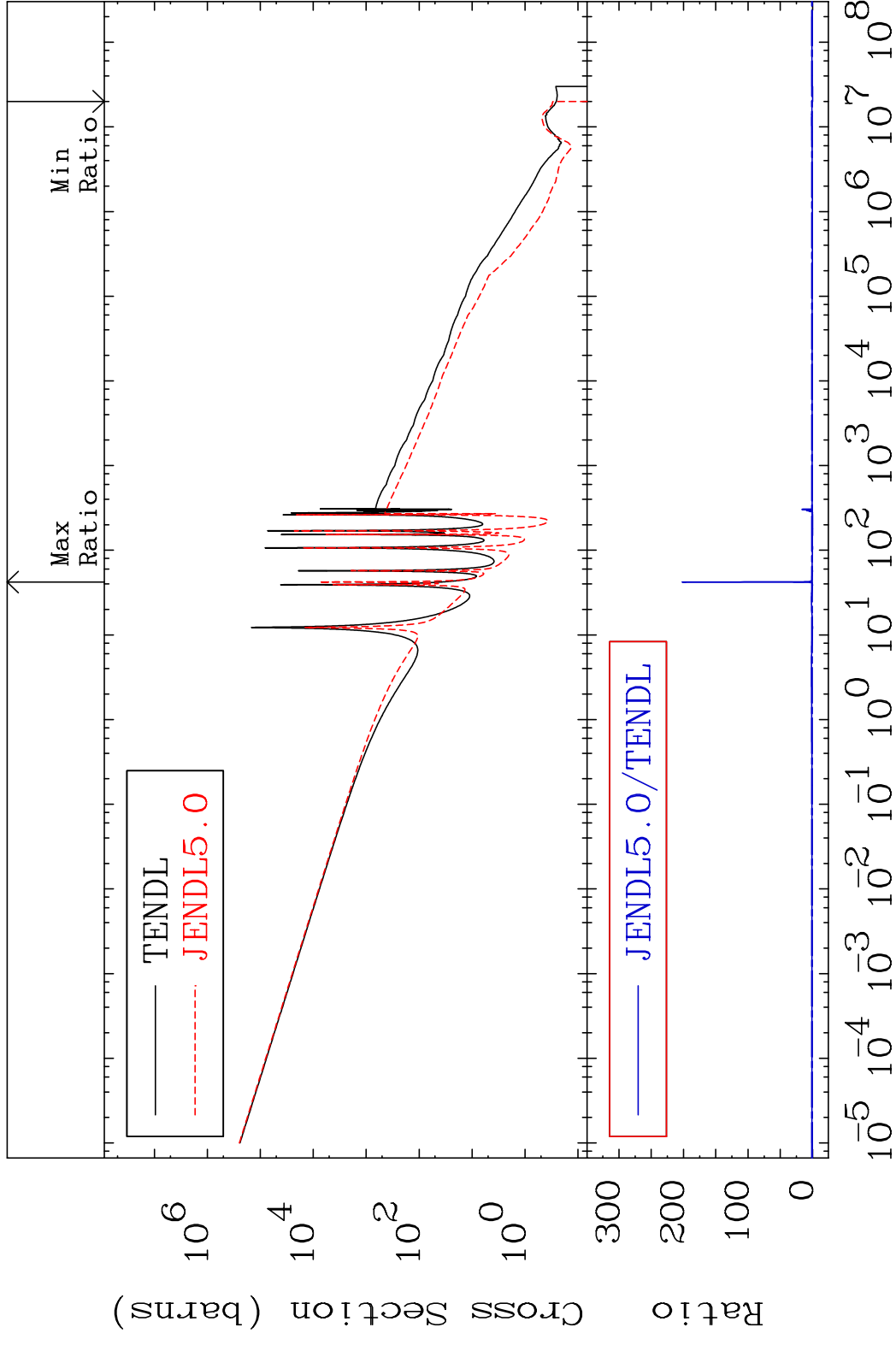


67 Incident Energy (eV) 55-Cs-134

MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
 Cross Section -100.0 To 6473. %

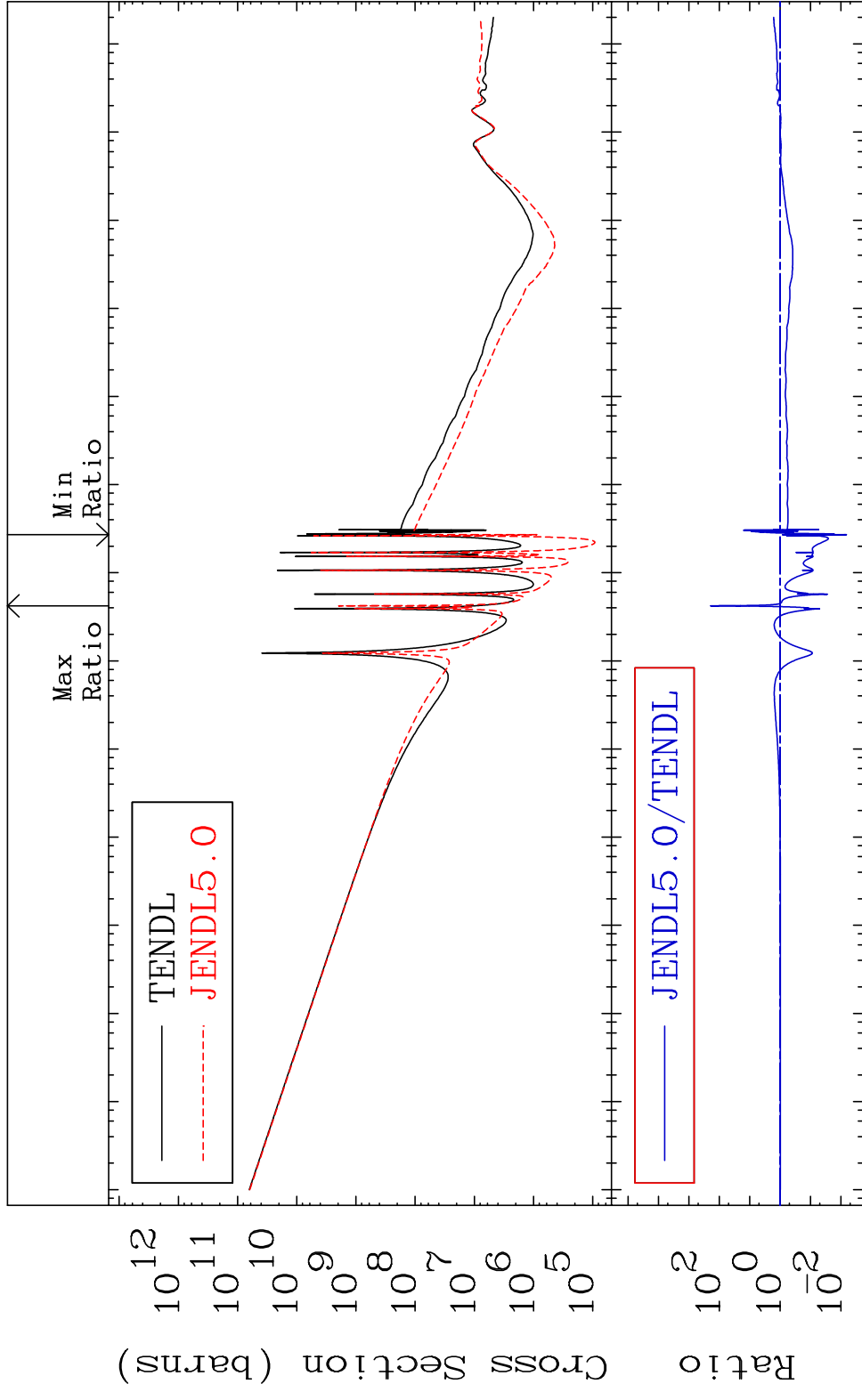


MAT 5528 Kerma capture (mt102) 55-Cs-134
 Cross Section -100.0 To 9999. %



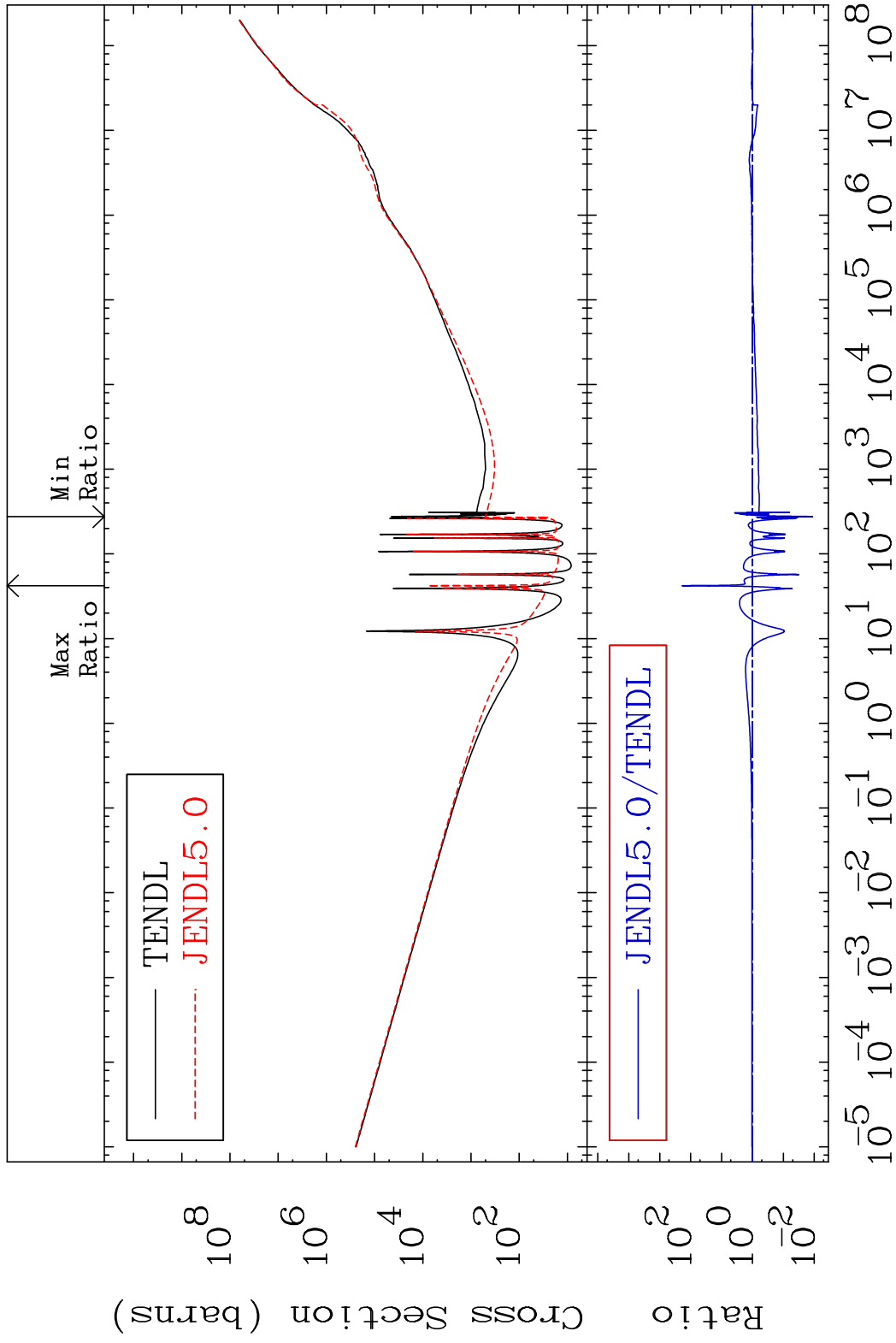
69 Incident Energy (eV) 55-Cs-134

MAT 5528 Total photon (eV-barns) 55-Cs-134
 Cross Section -99.33 To 9999. %

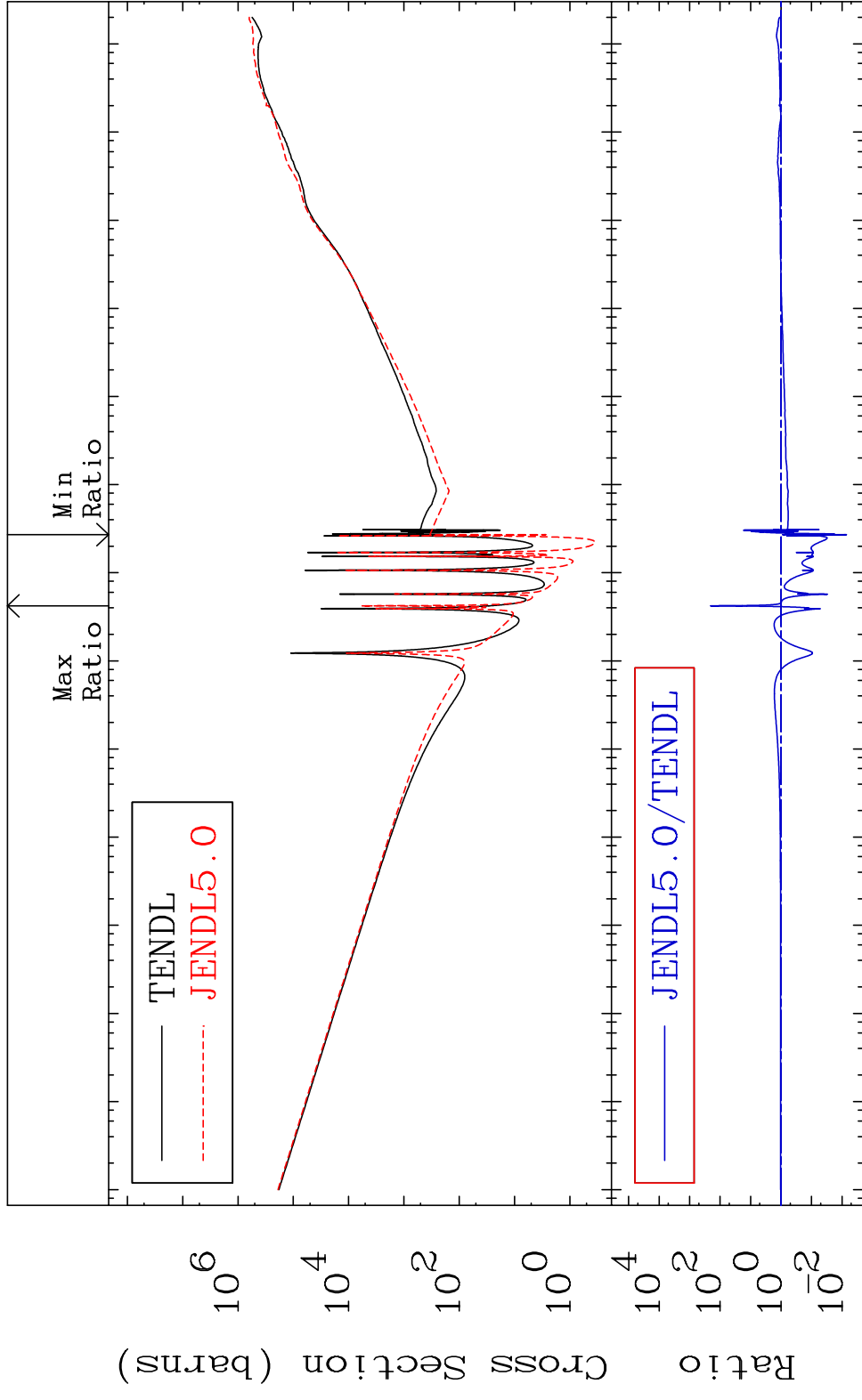


70 Incident Energy (eV) 55-Cs-134

MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
 Cross Section -98.86 To 9999. %



MAT 5528 Dpa total (eV-barns) 55-Cs-134
 Cross Section -99.28 To 9999. %



Ratio
 Cross Section (barns)
 Incident Energy (eV)

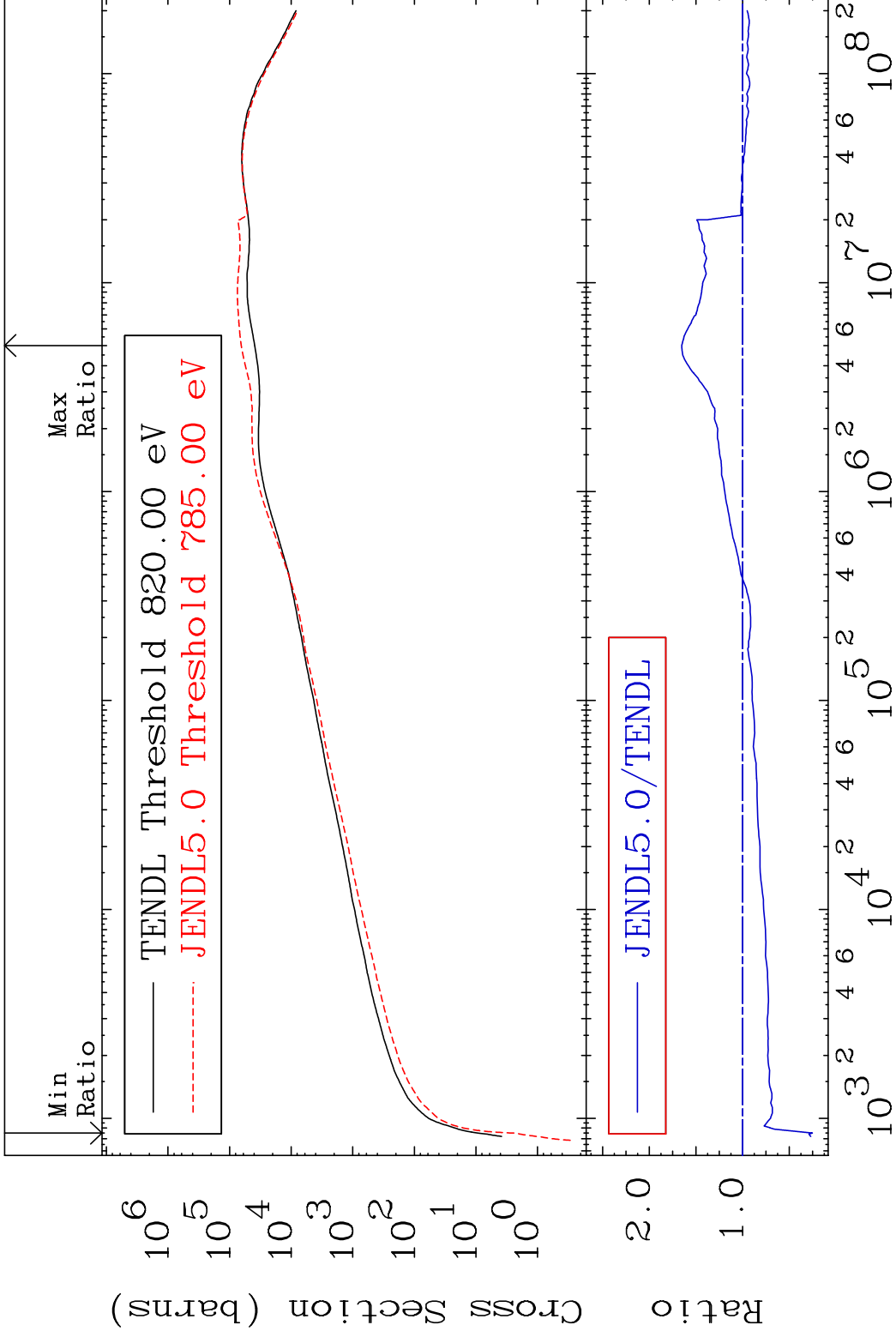
MAT 5528

Dpa elastic (mt2)

55-Cs-134

Cross Section

-74.76 To 65.21 %

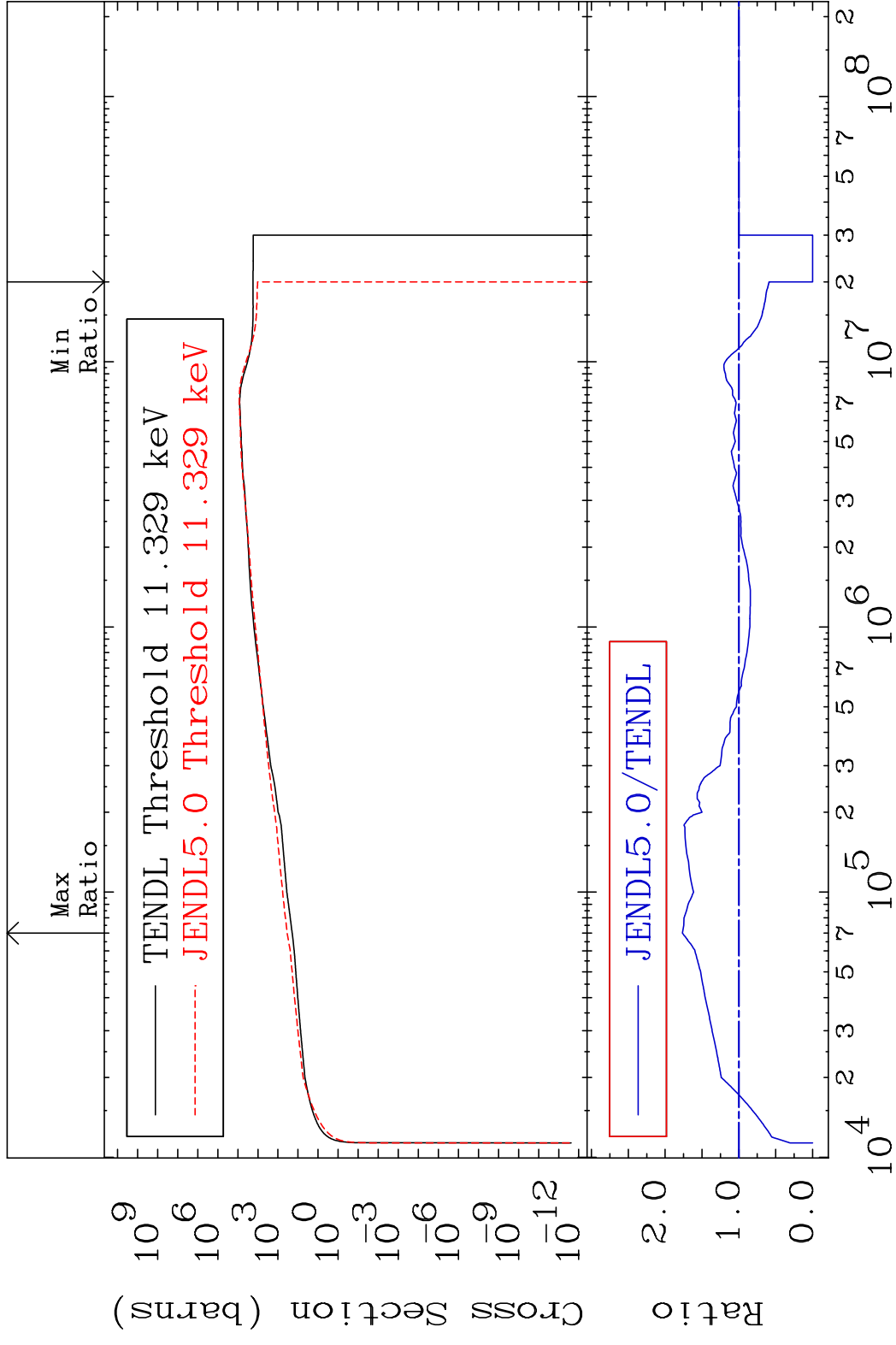


73

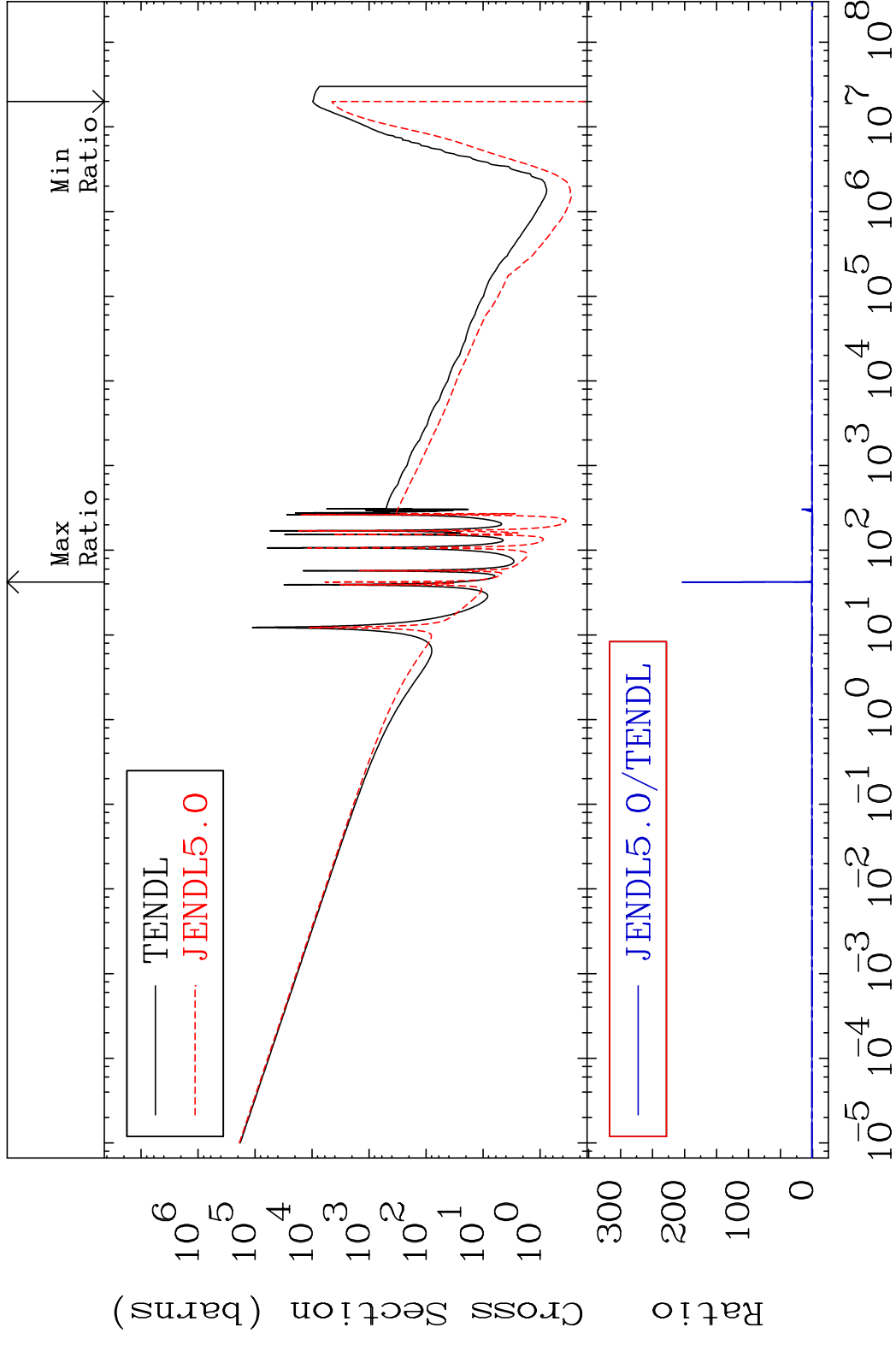
Incident Energy (eV)

55-Cs-134

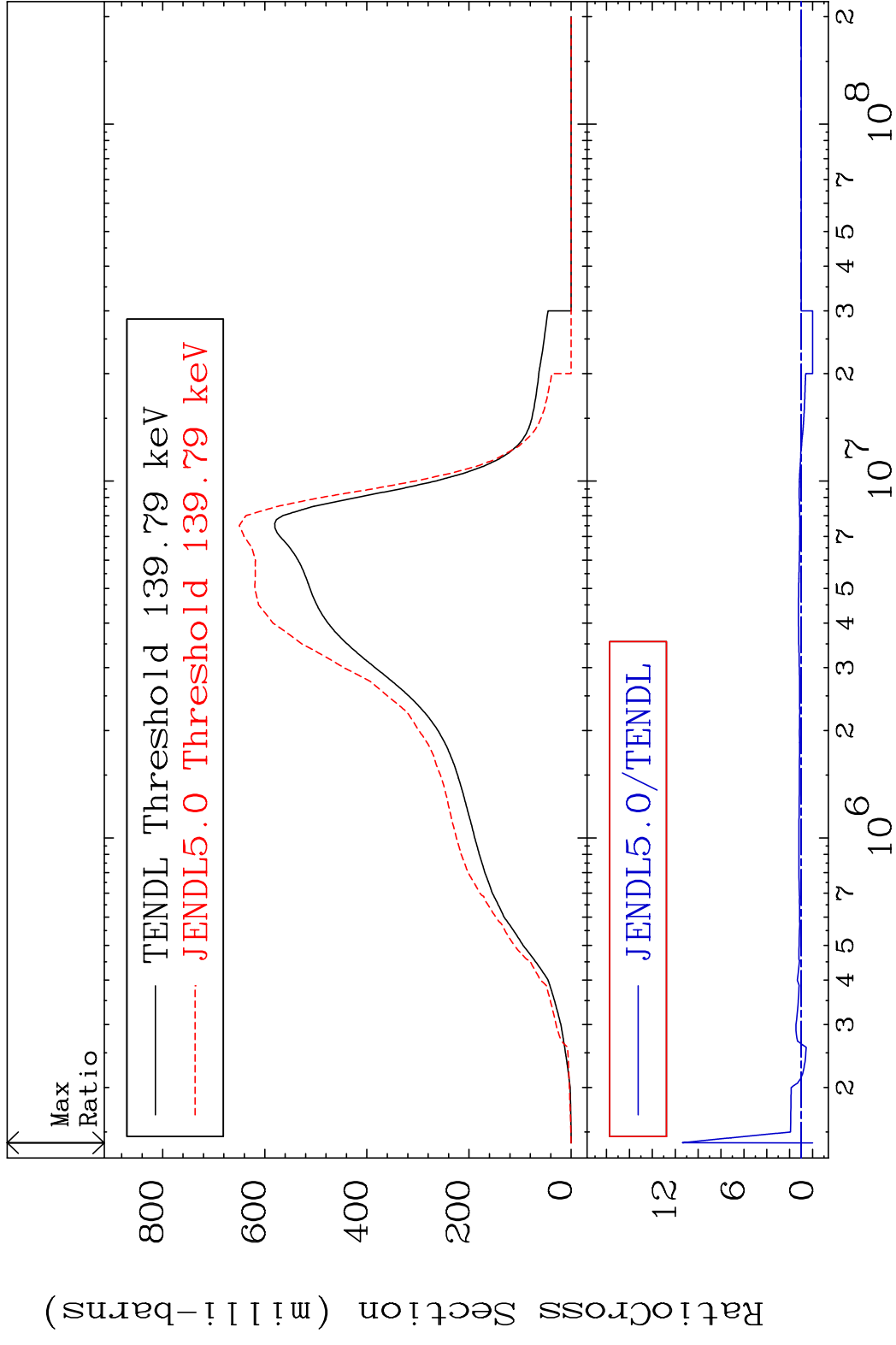
MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
 Cross Section -100.0 To 76.64 %



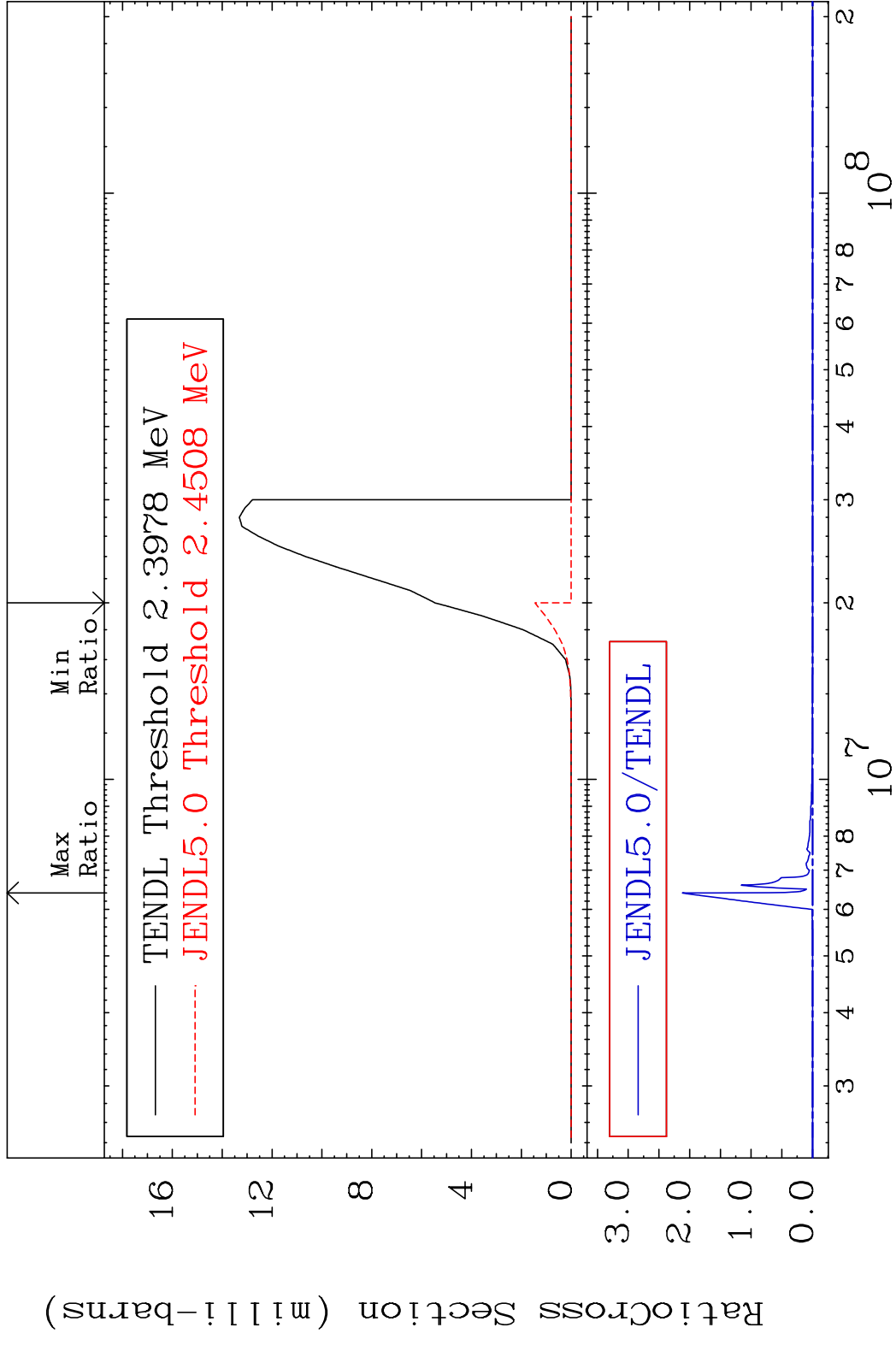
MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
 Cross Section -100.0 To 9999. %



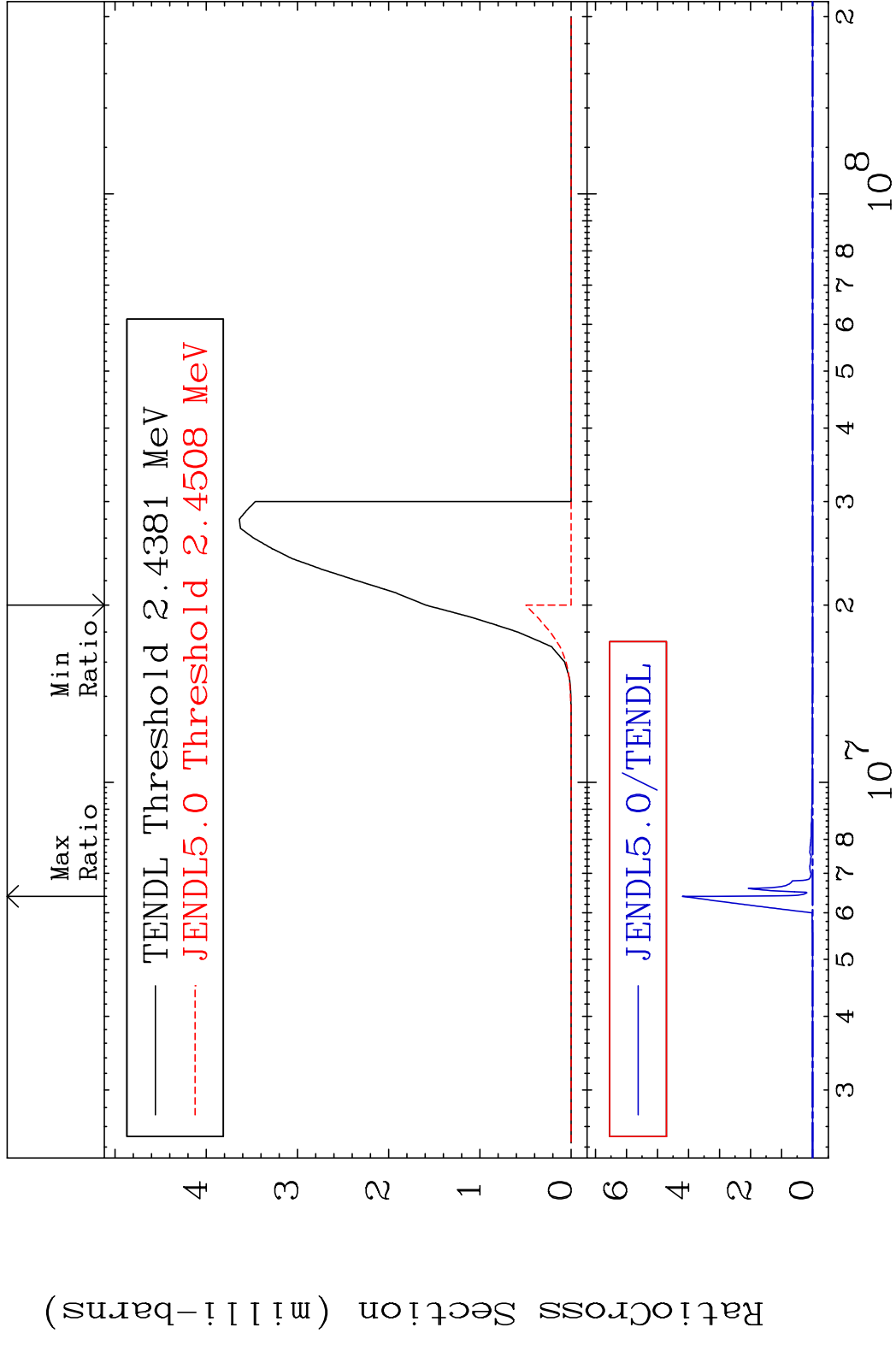
75 Incident Energy (eV) 55-Cs-134



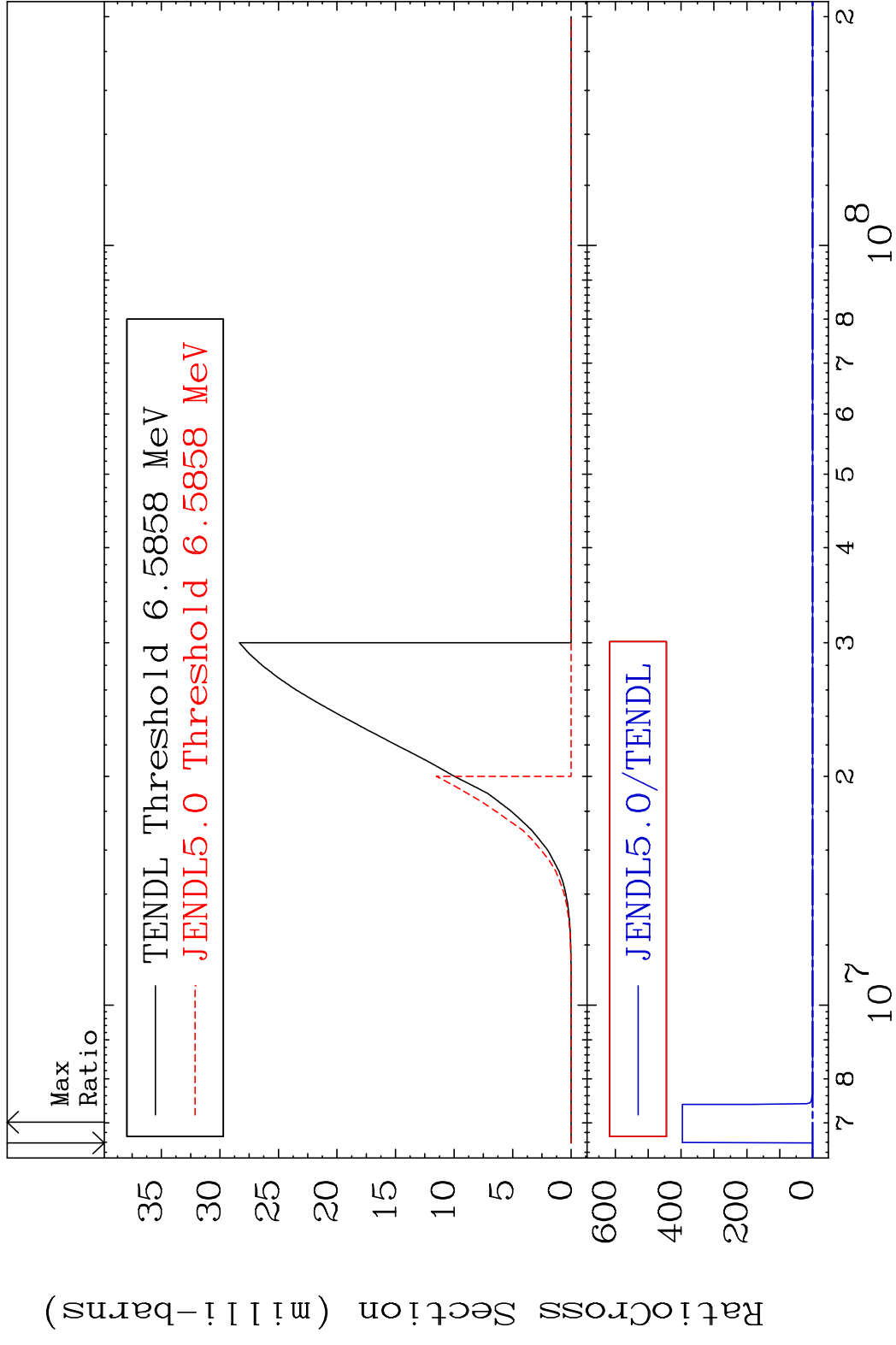
MAT 5528 (n, n') α :53-I -130g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



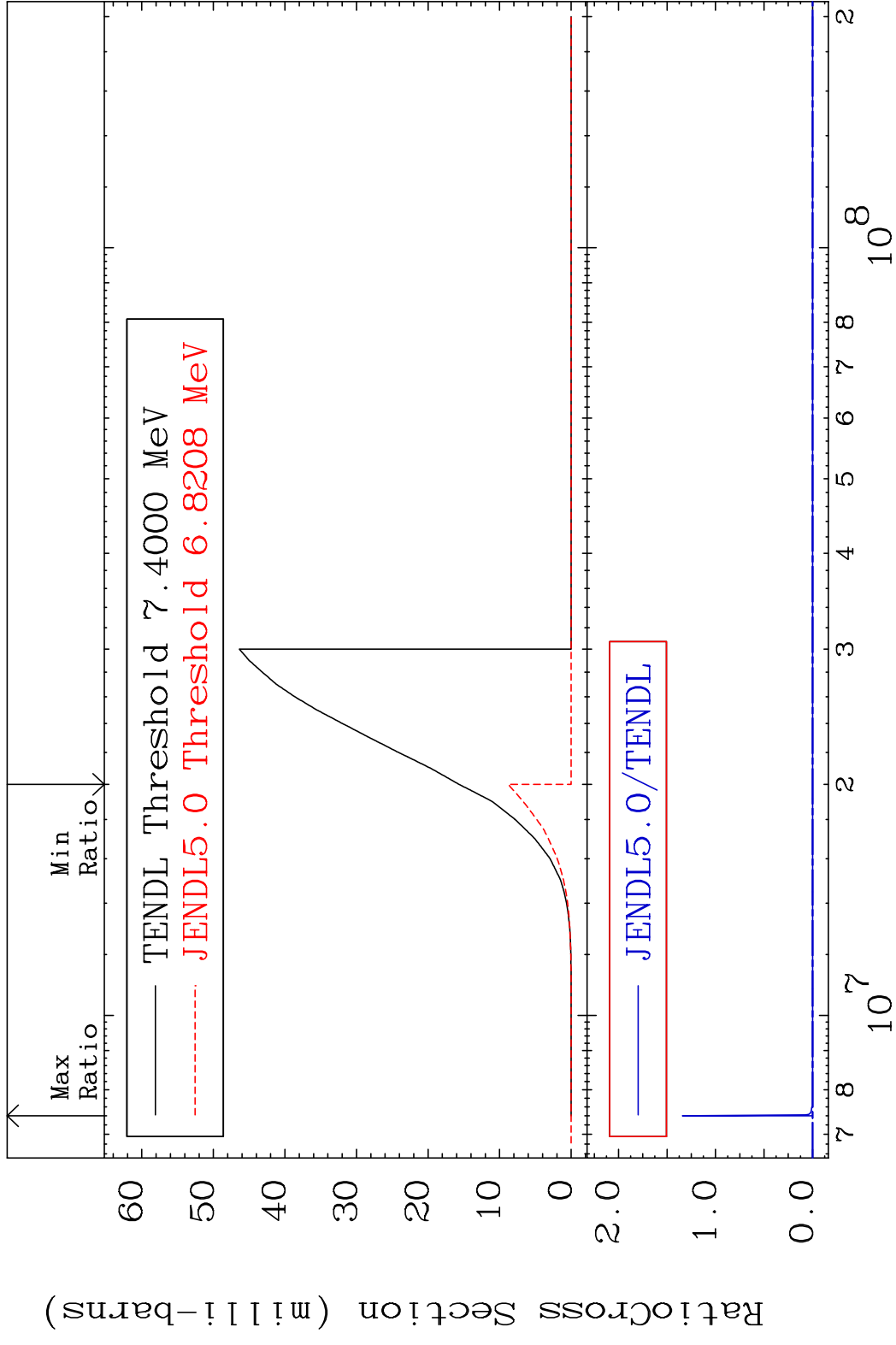
MAT 5528 (n, n') α :53-I -130m1 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

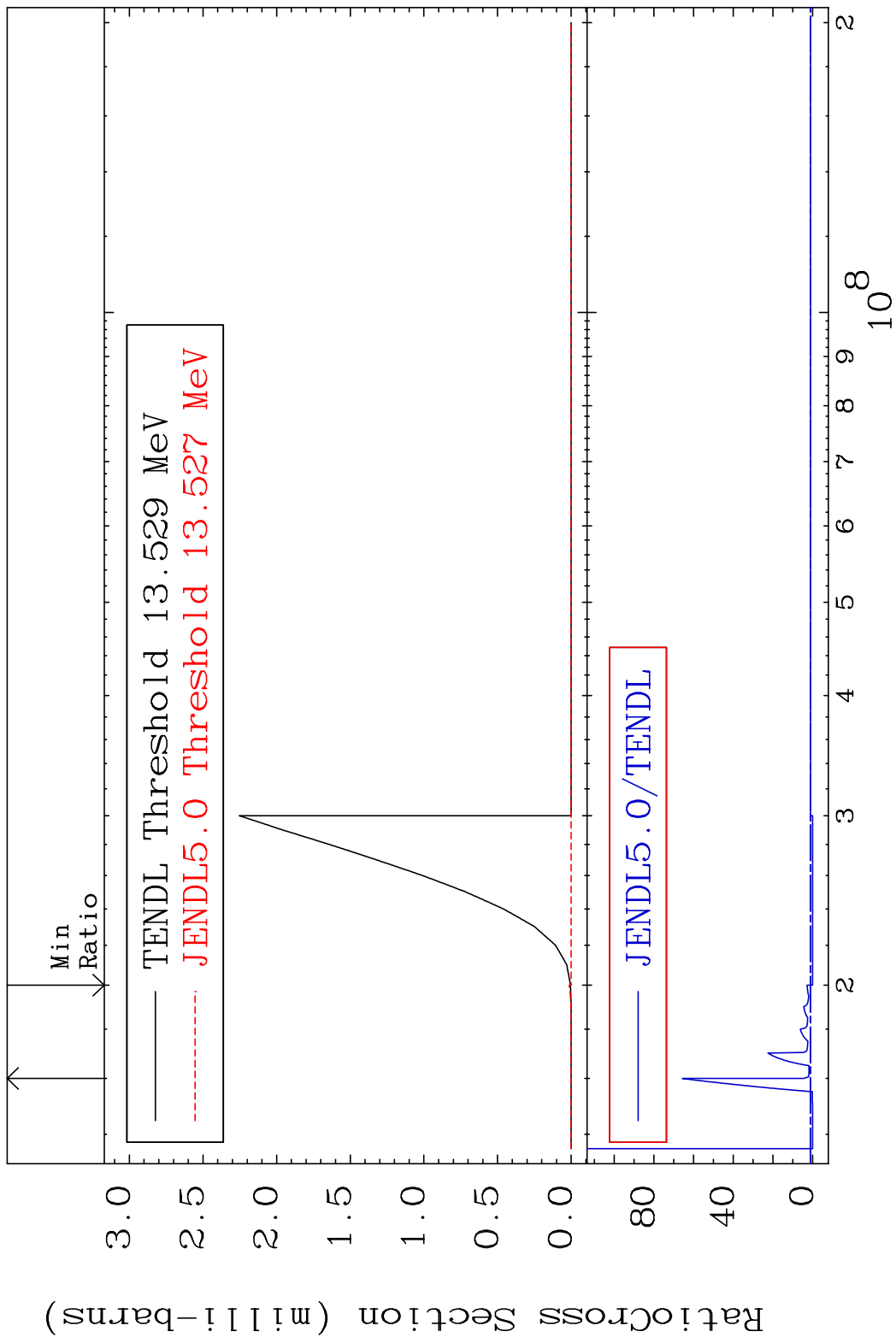


MAT 5528 (n, n') p:54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

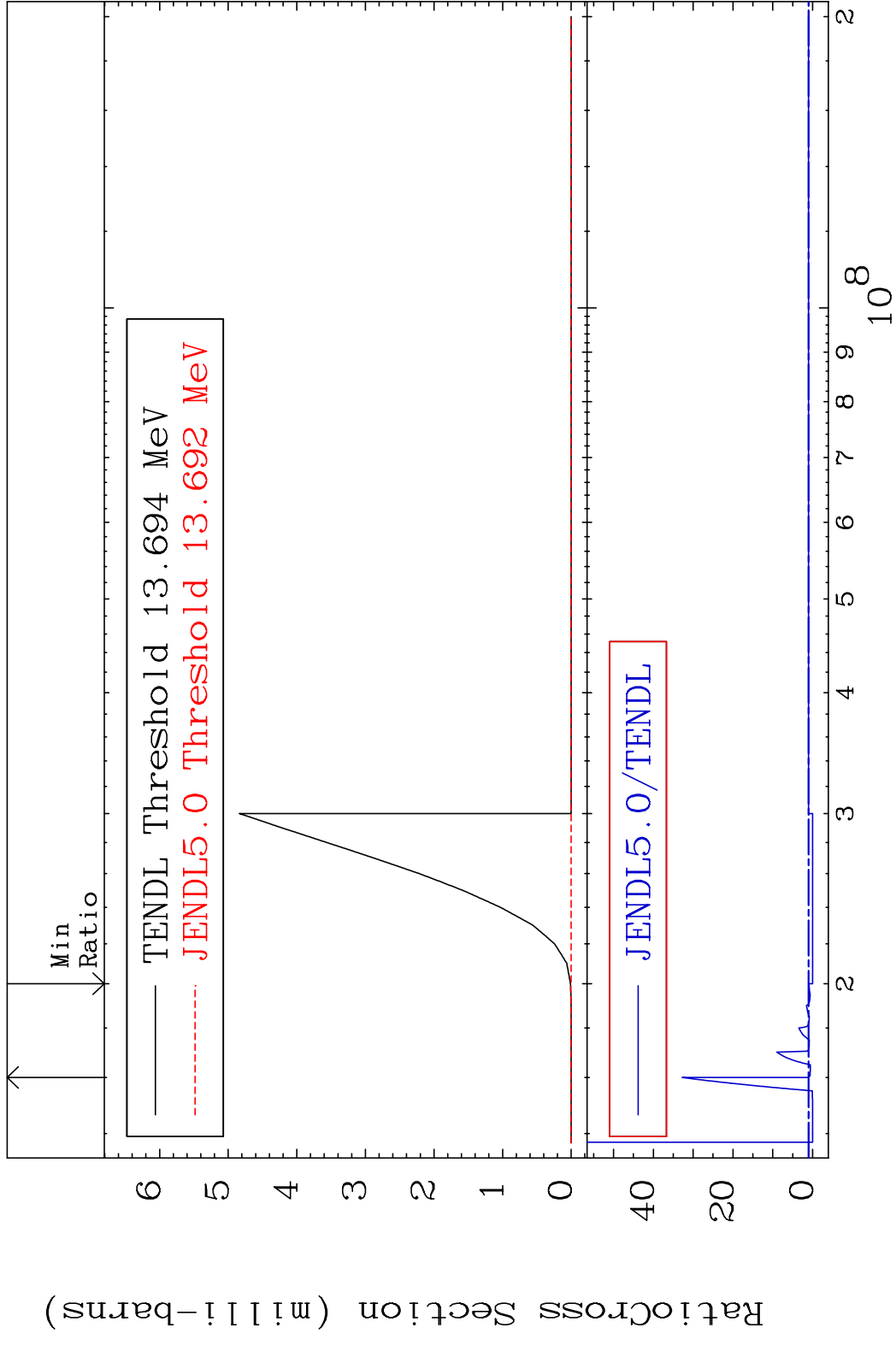


MAT 5528 (n, n') p:54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section Ratio

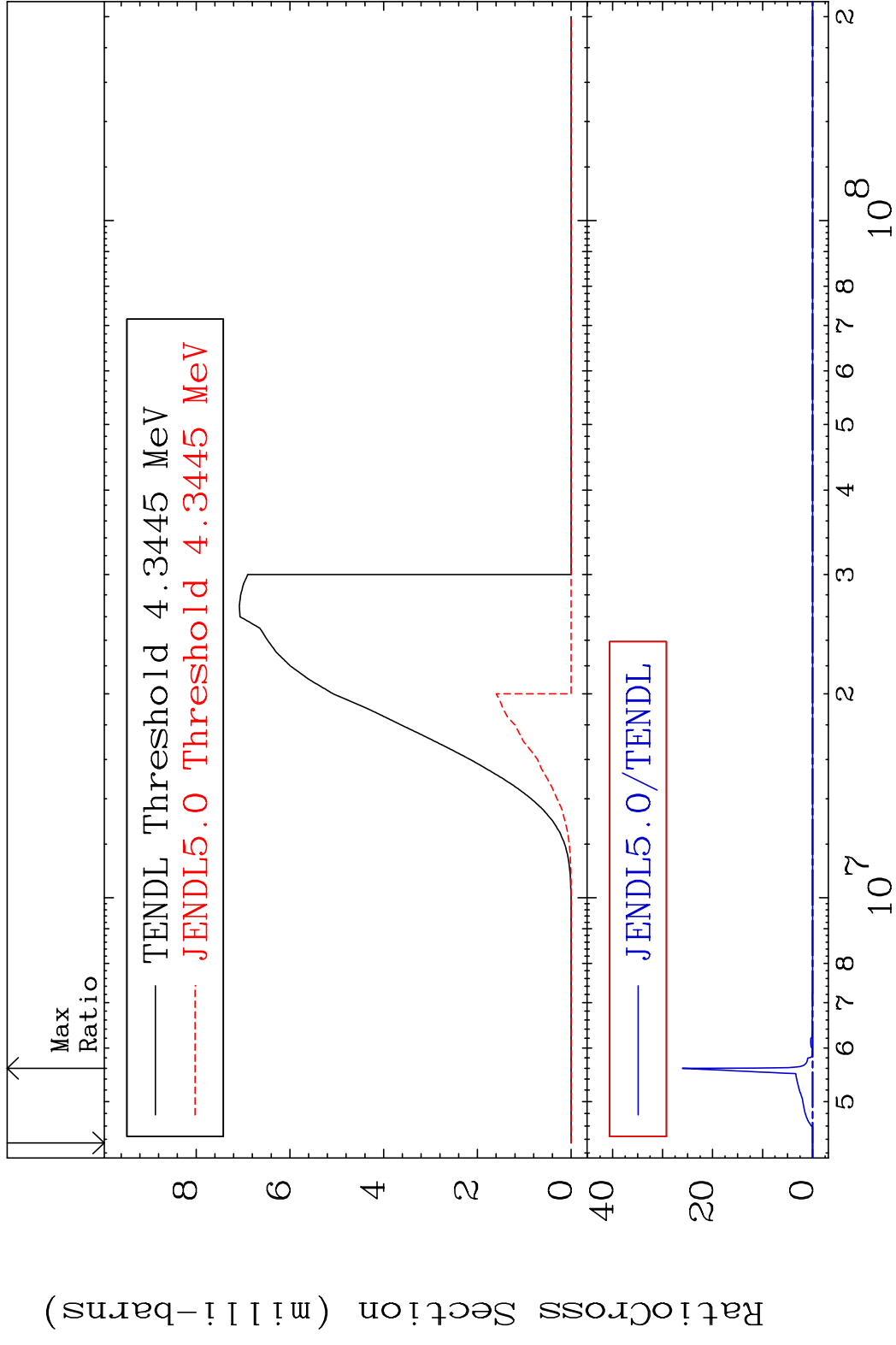




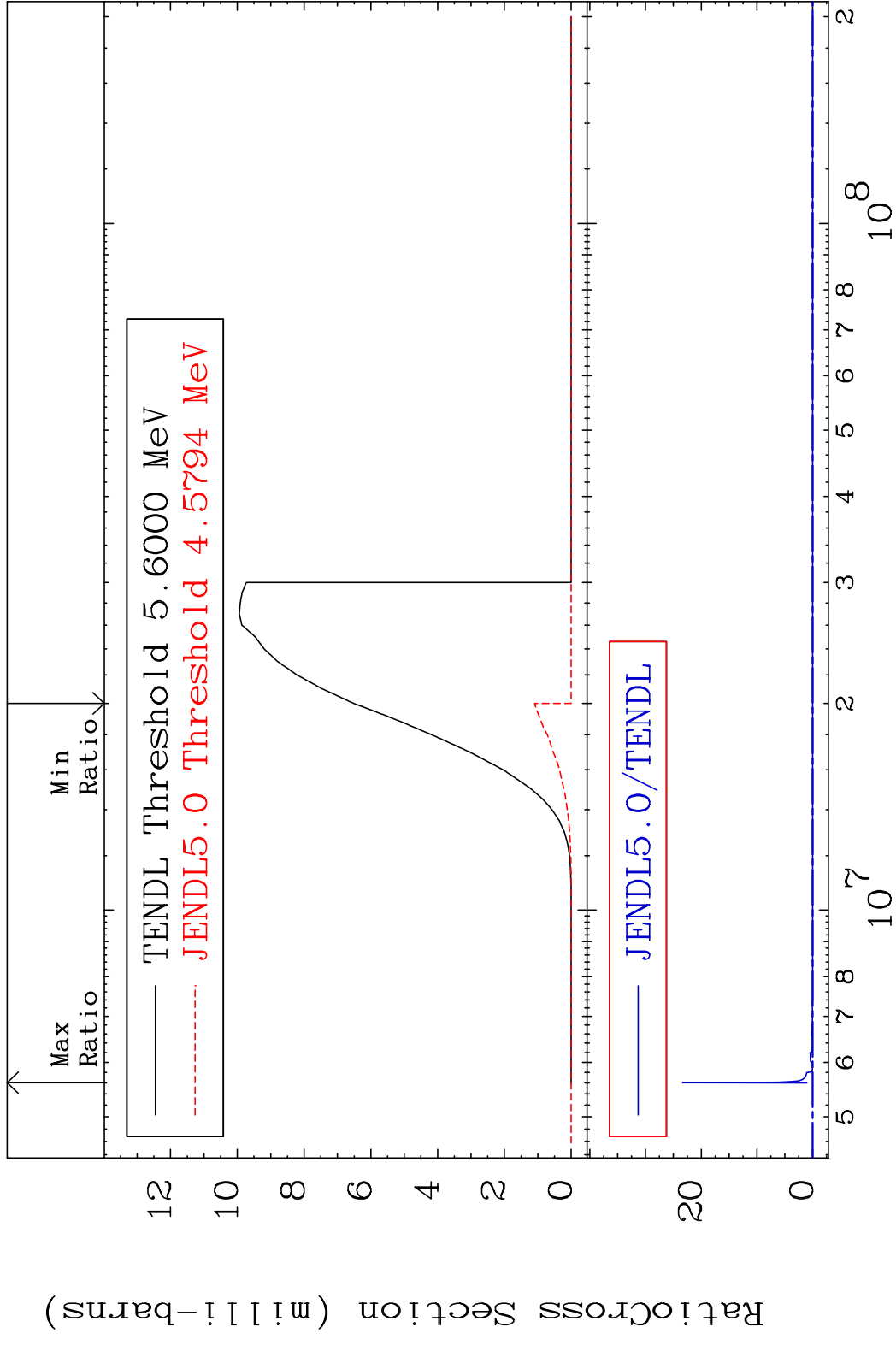
MAT 5528 (n, n') t:54-Xe-131m2 55-Cs-134
 Radionuclide Production Cross Section Ratio 3171. %



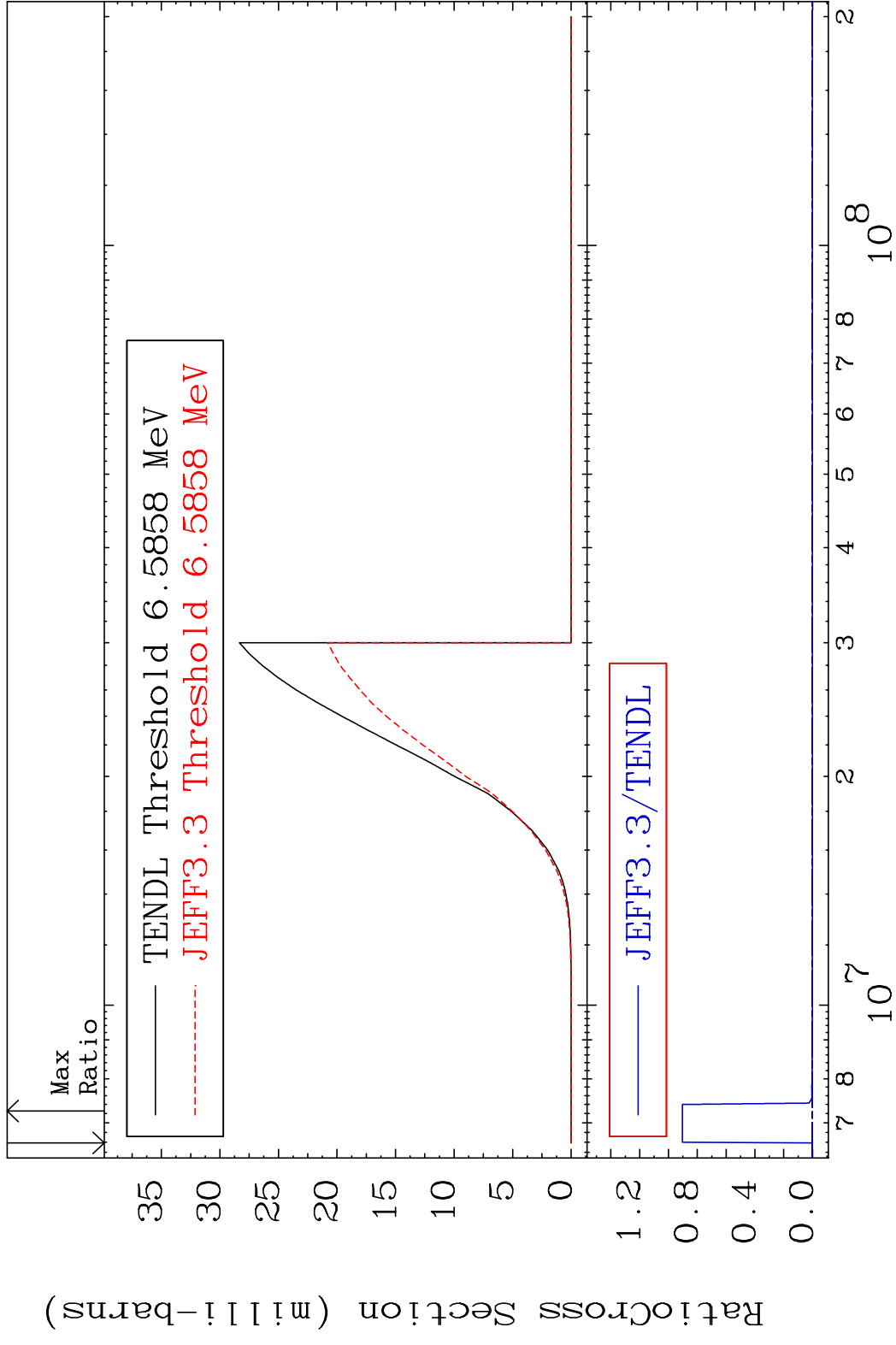
MAT 5528 (n,d):54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section (%) 9999. %

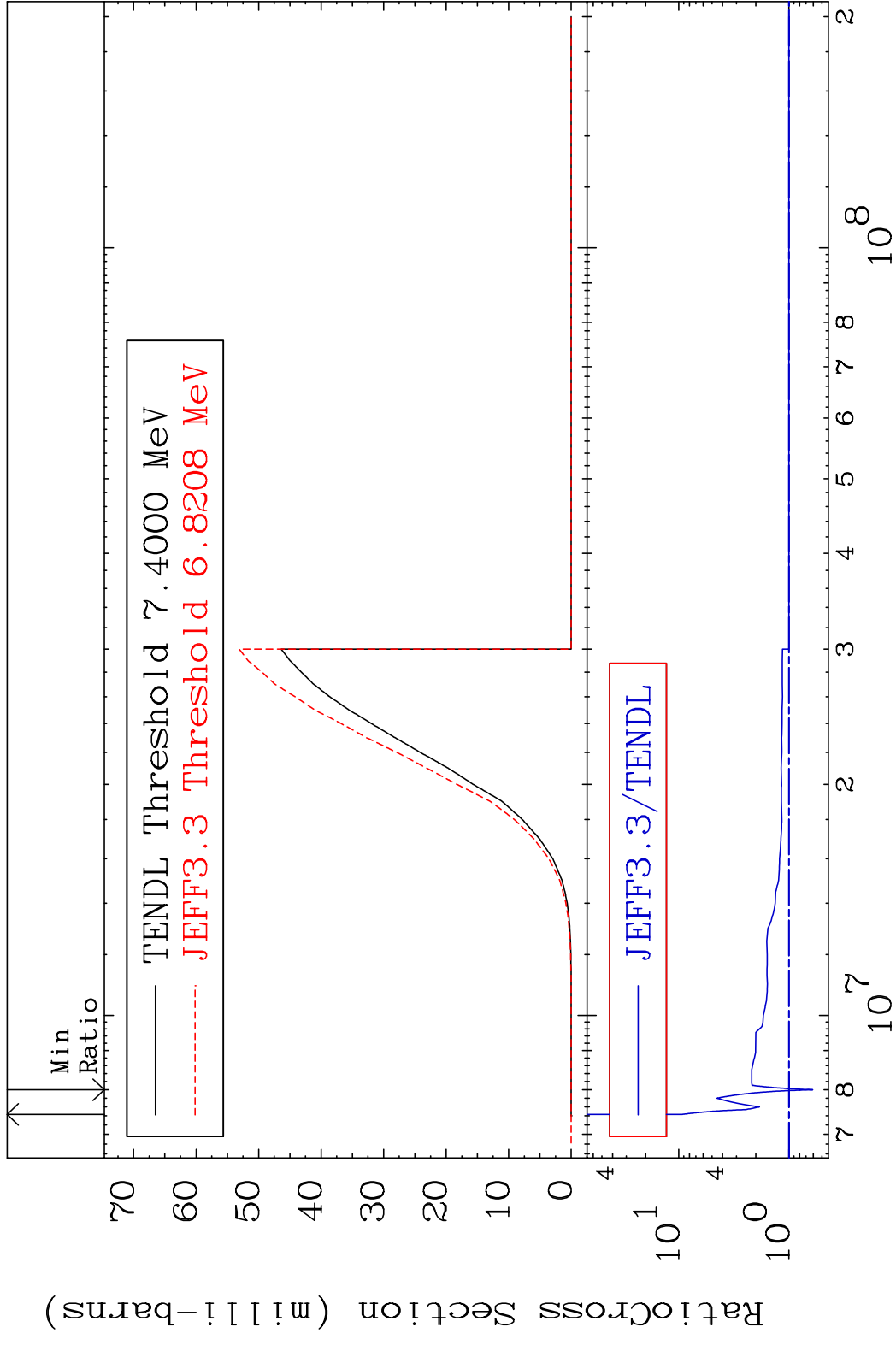


MAT 5528 (n, d):54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section to 9999. %

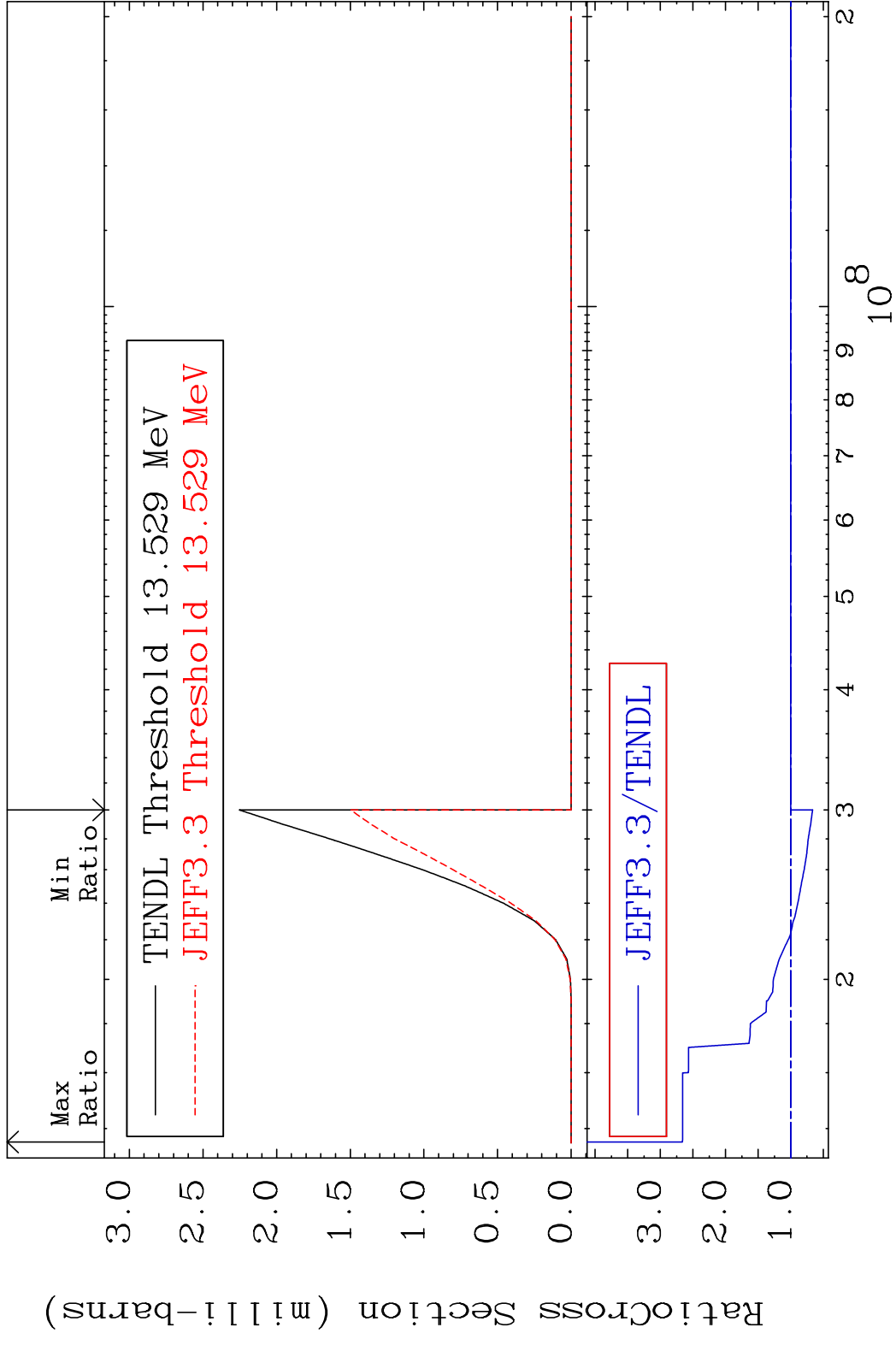


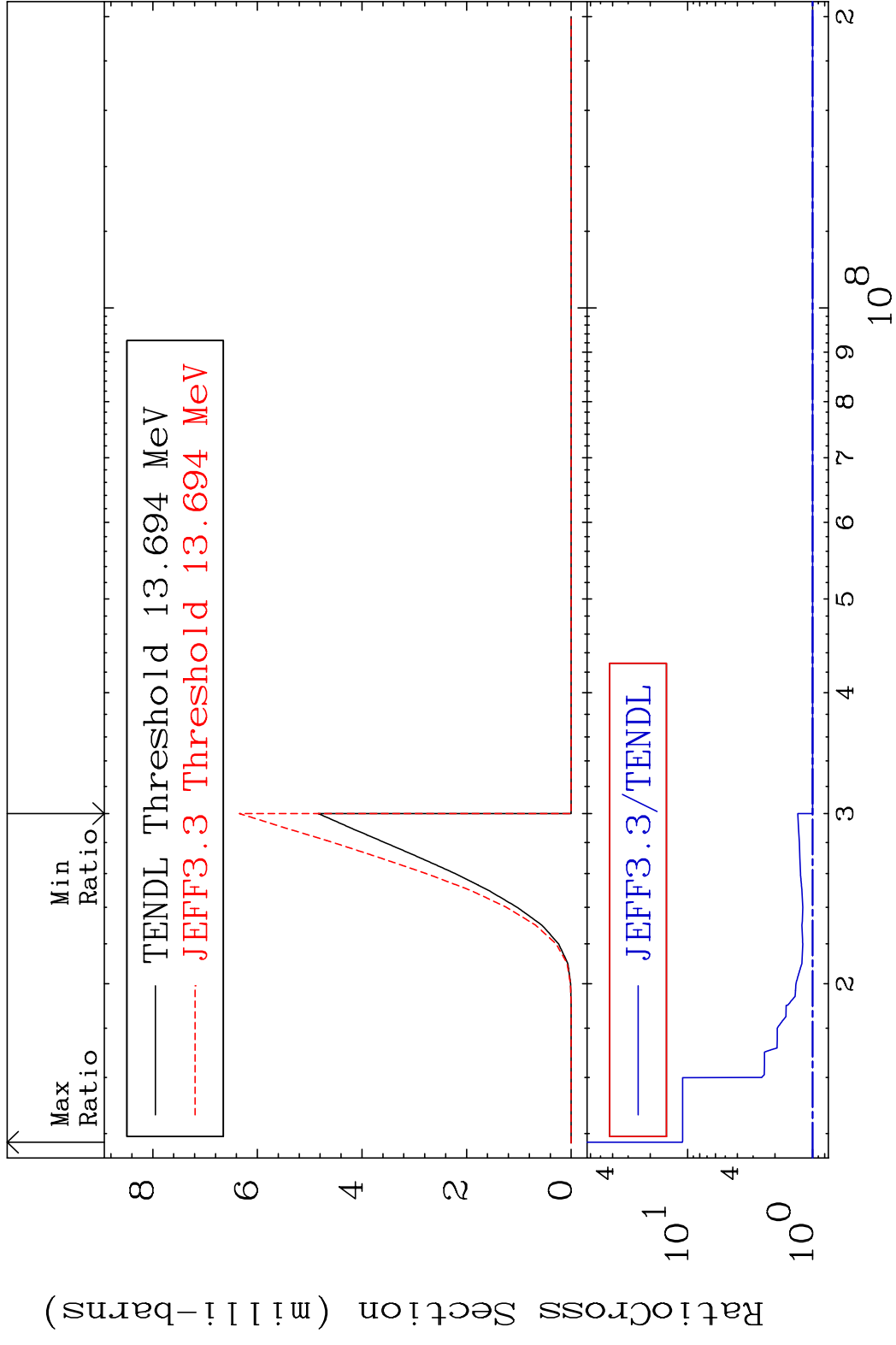
MAT 5528 (n, n') p:54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

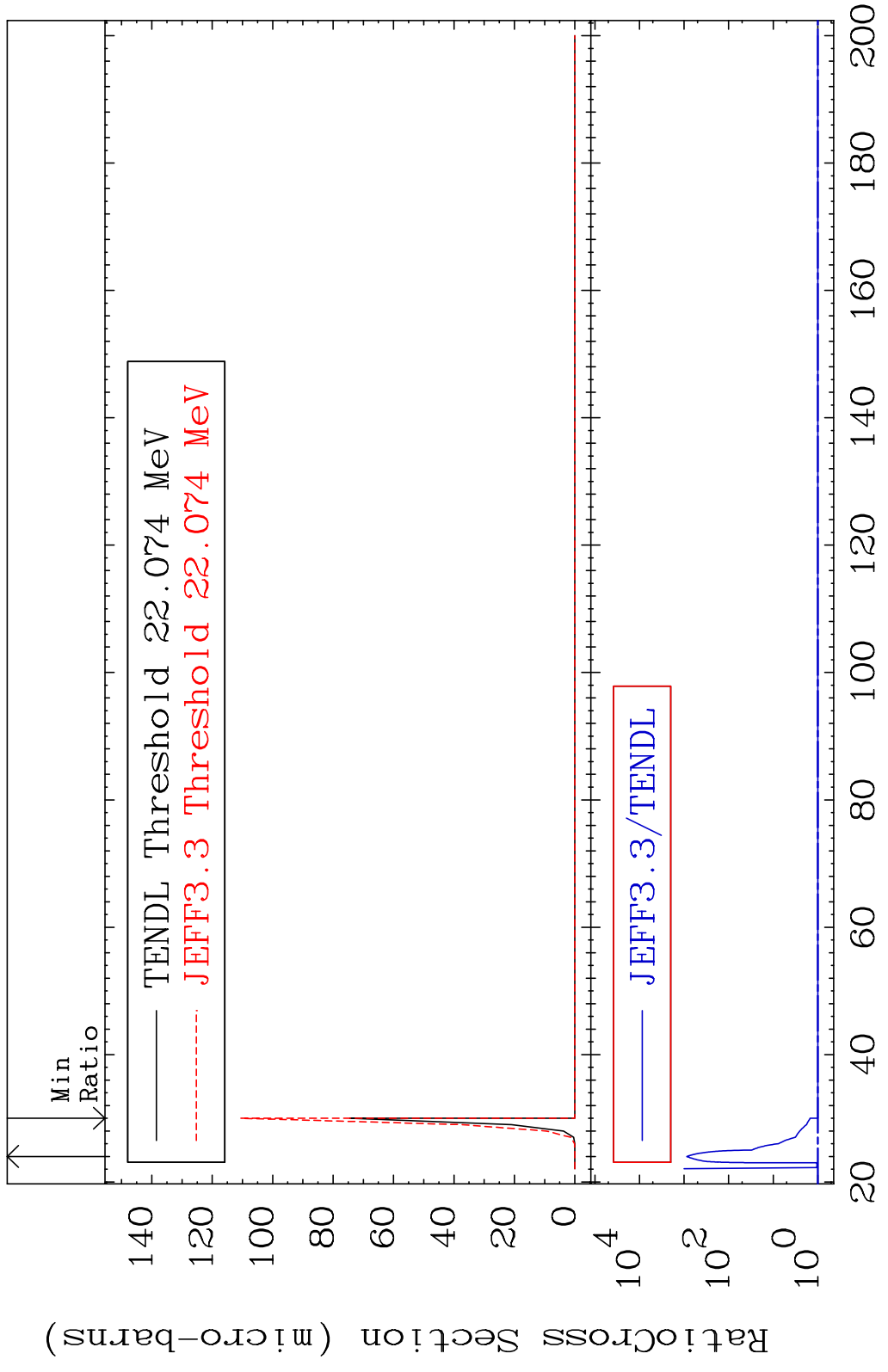


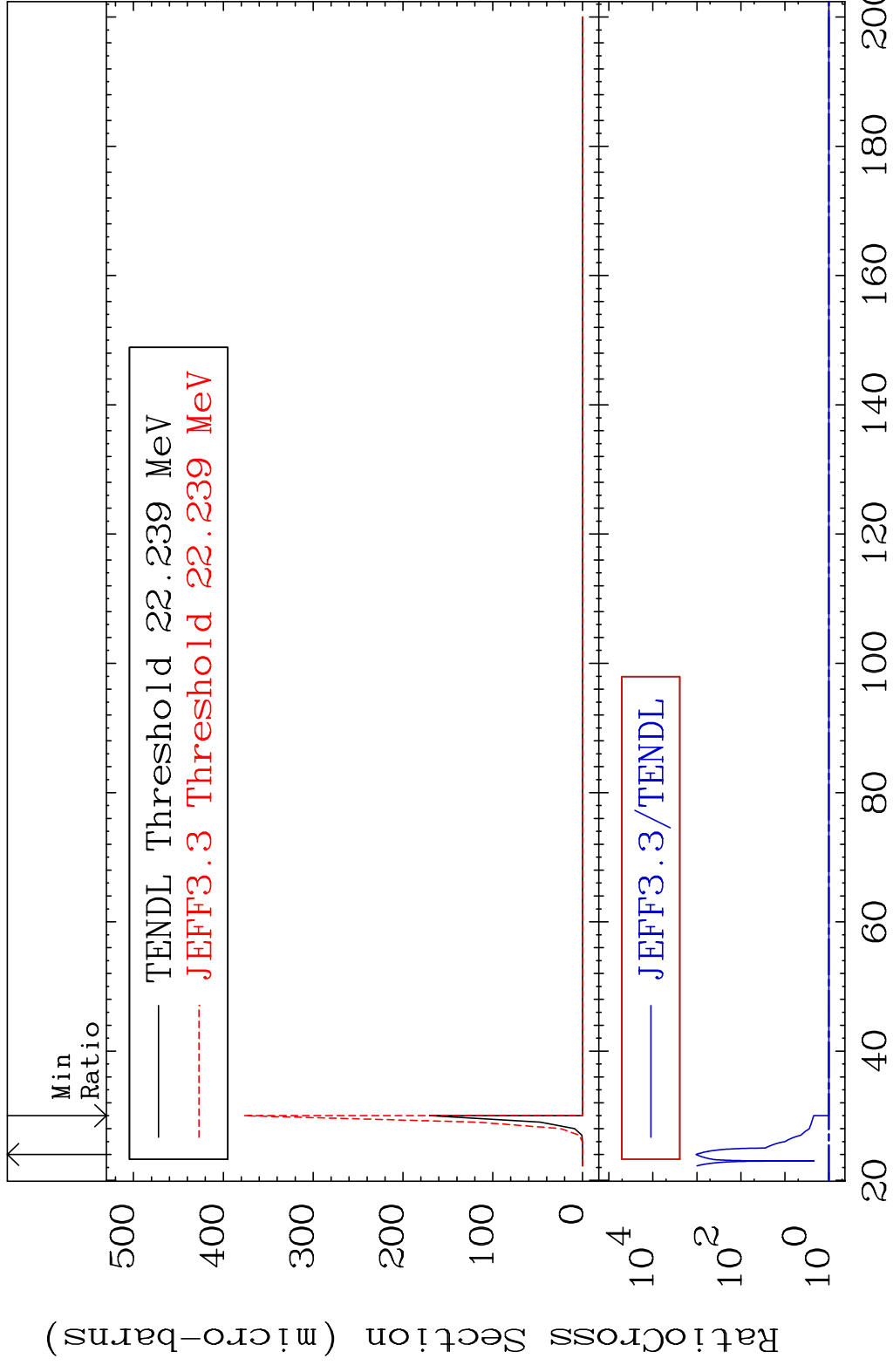


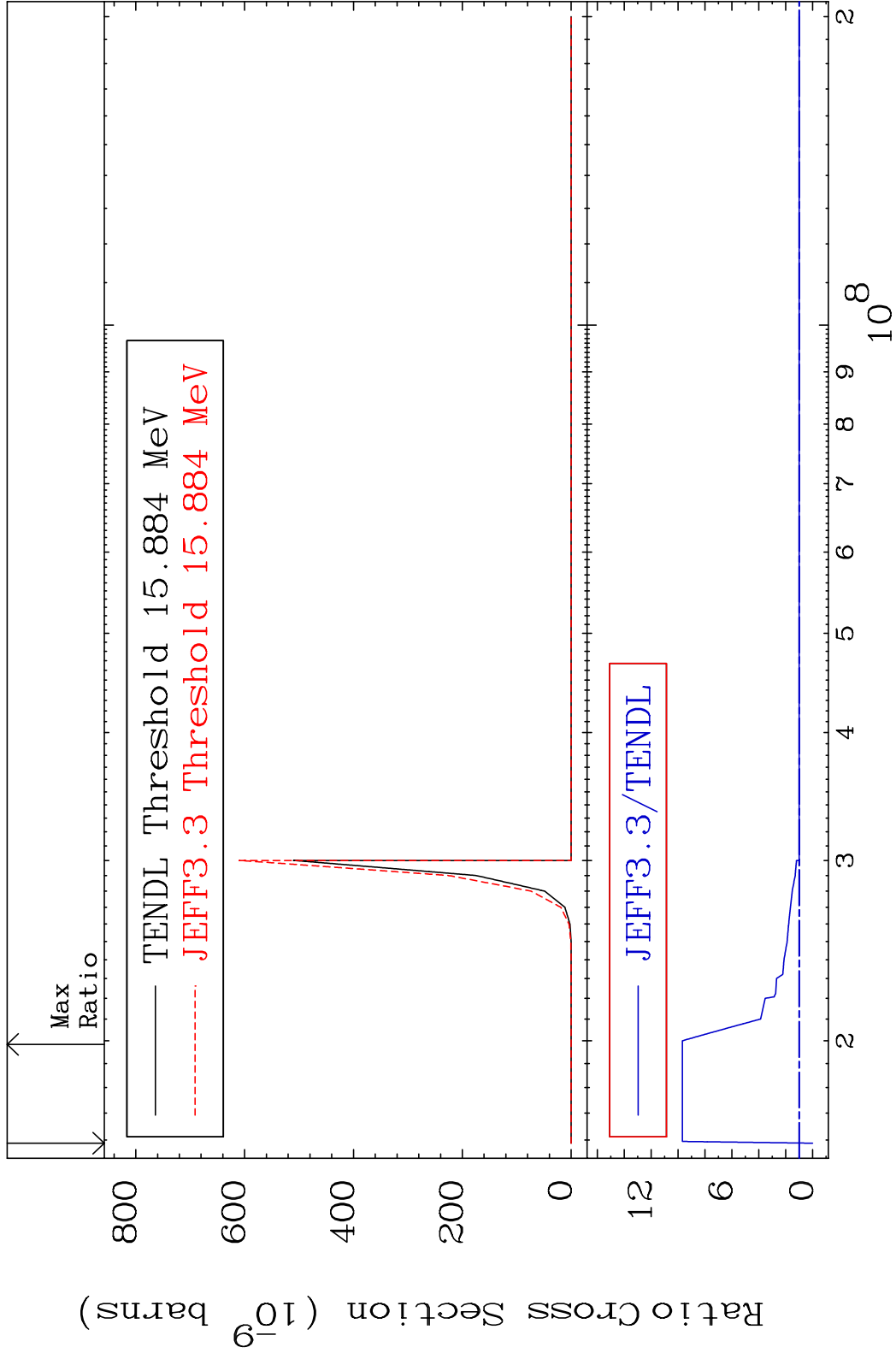
MAT 5528 (n, n') t:54-Xe-131g 55-Cs-134
 Radionuclide Production Cross Section 166.2 %

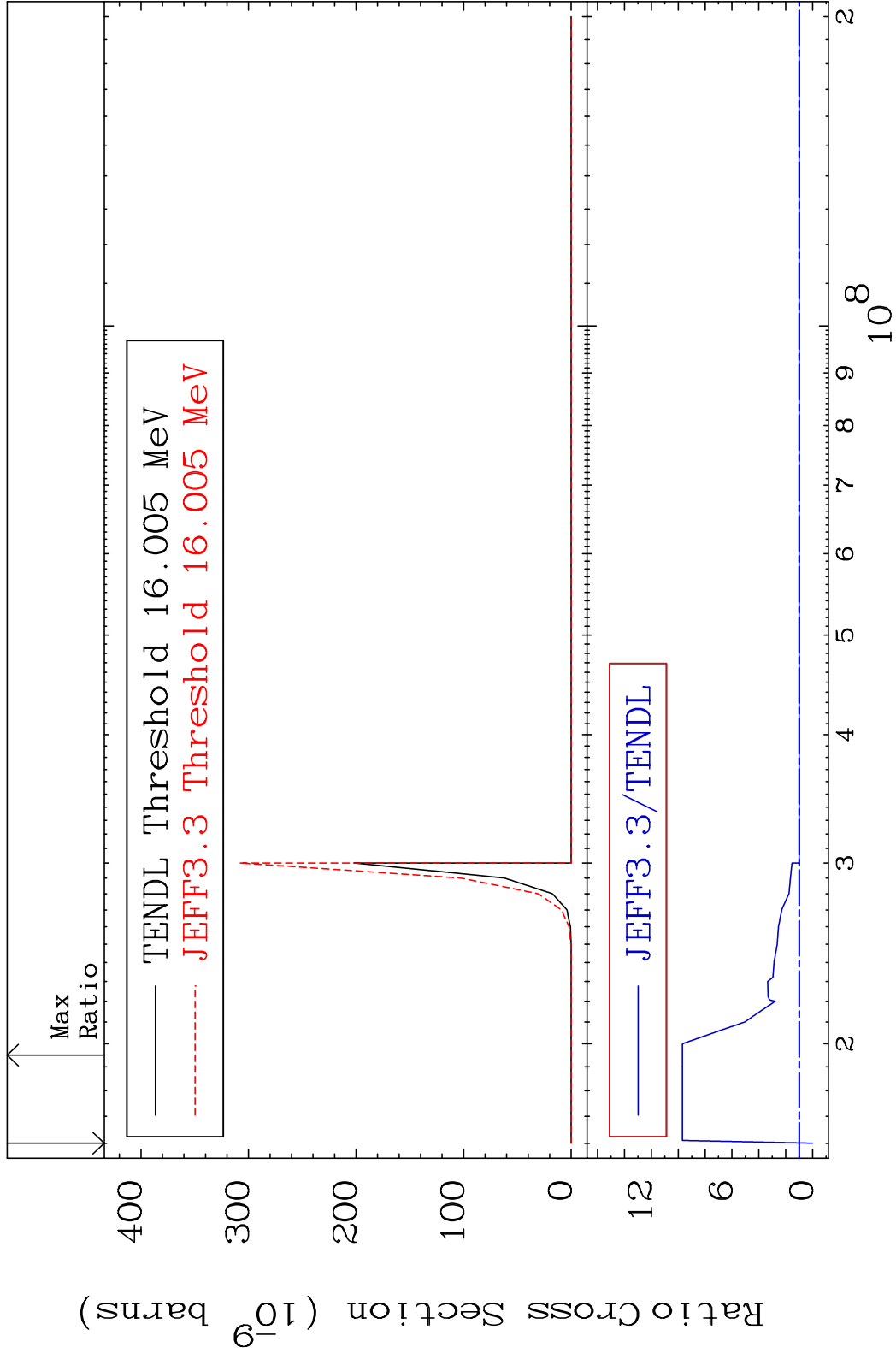




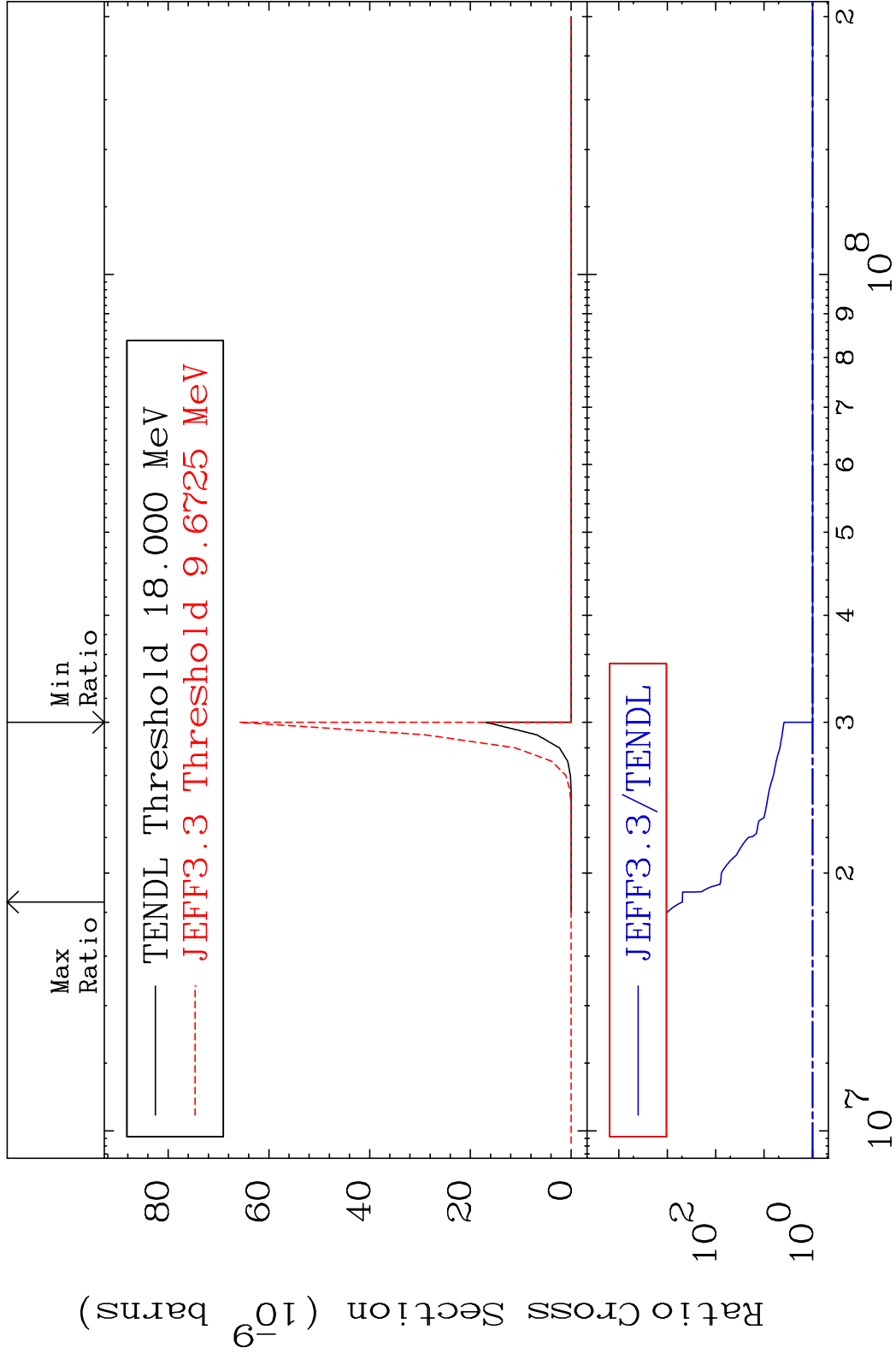






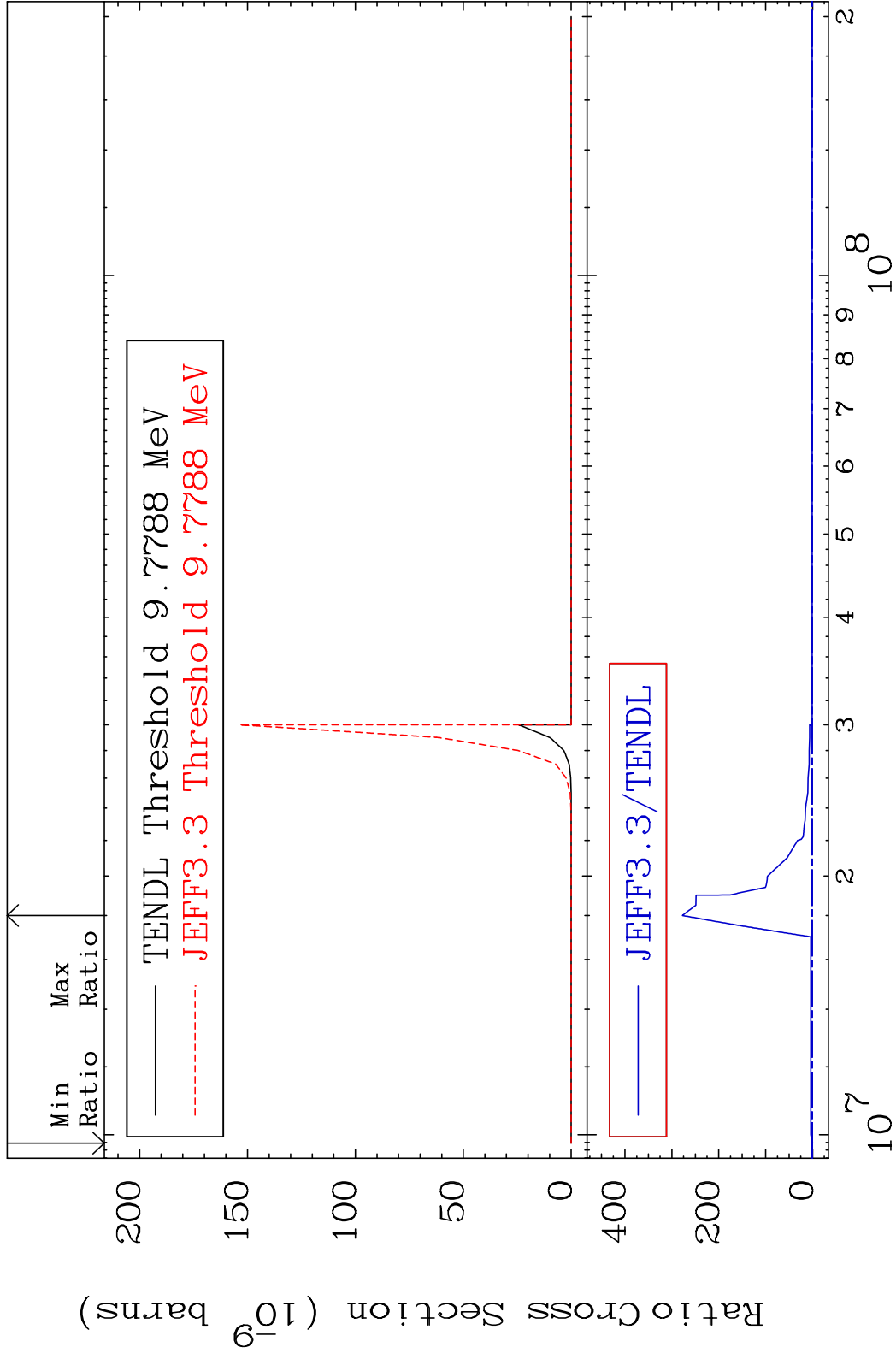


MAT 5528 (n,n') p α:52-Te-129g 55-Cs-134
 Radionuclide Production Cross Section 9999. %



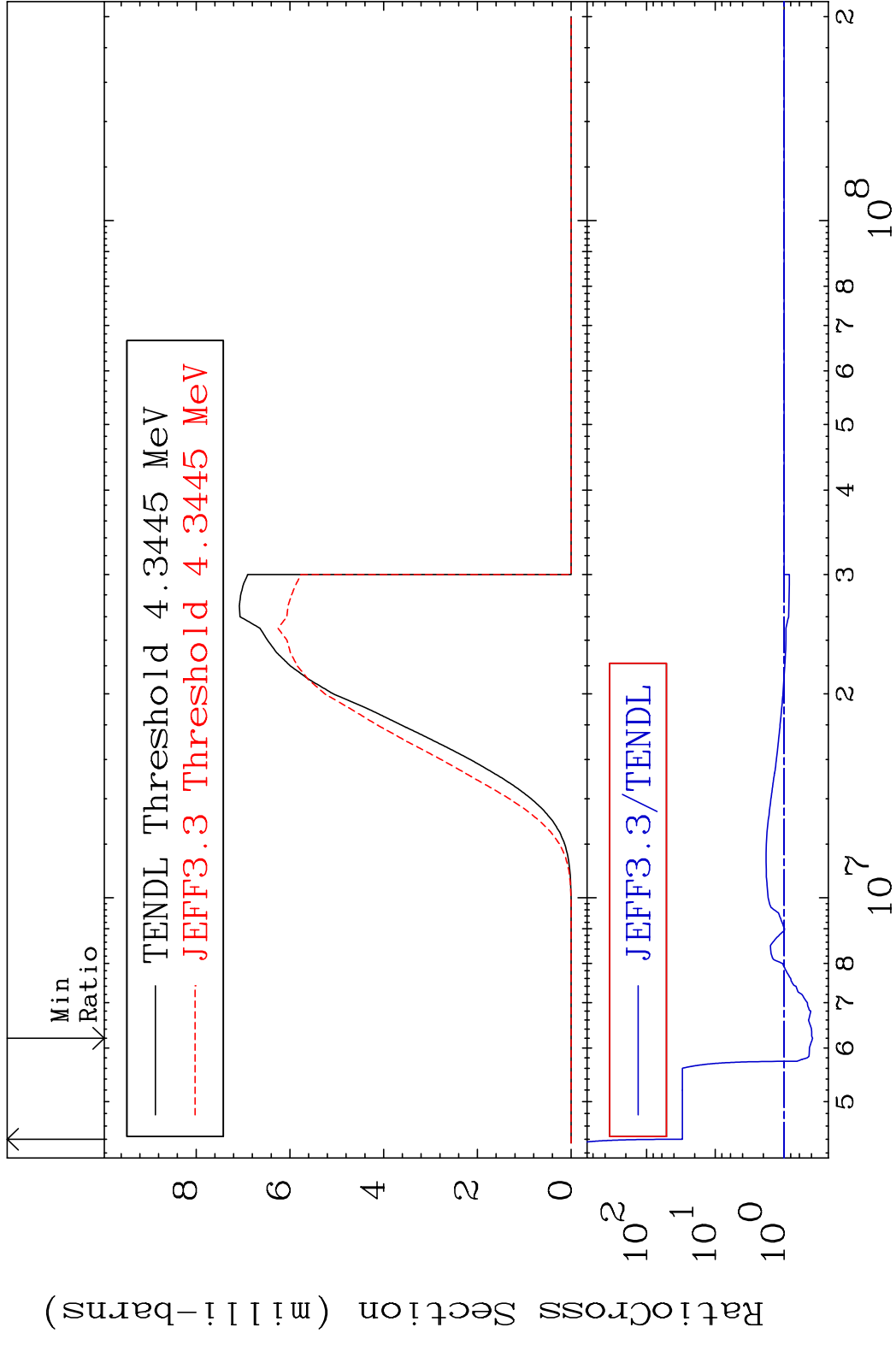
93 55-Cs-134

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

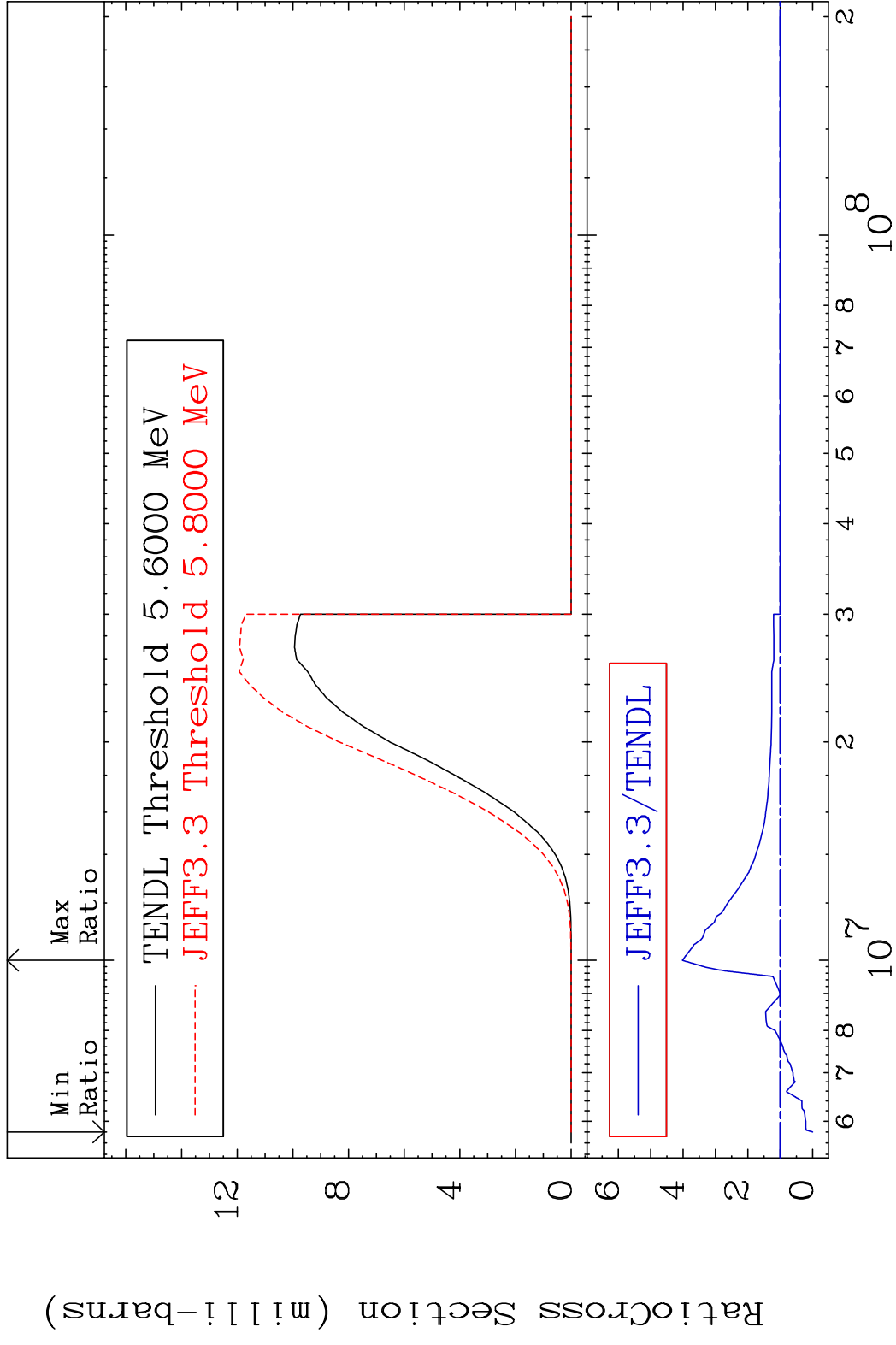


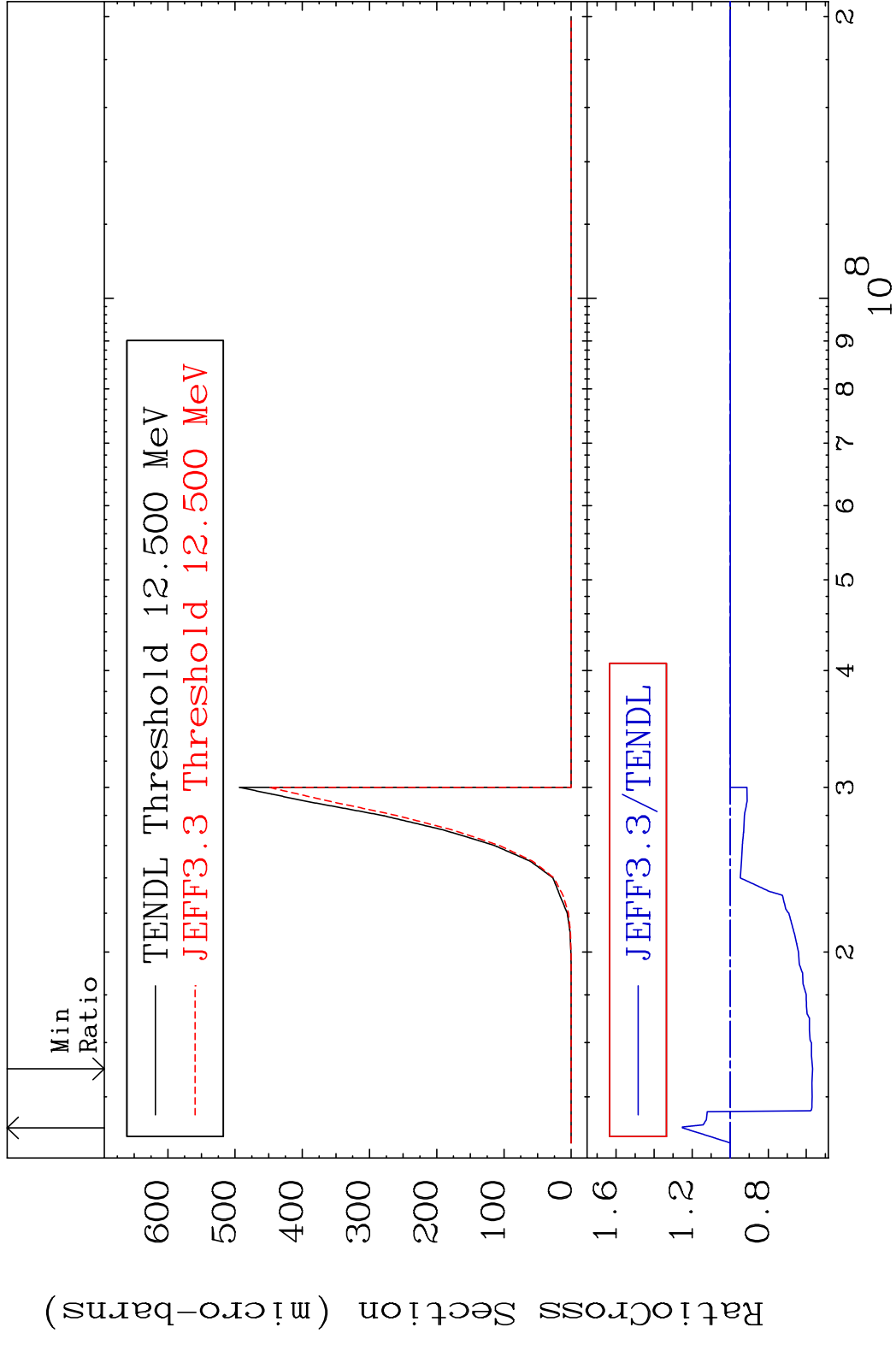
94 Incident Energy (eV) 55-Cs-134

MAT 5528 (n,d):54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section 2914. %

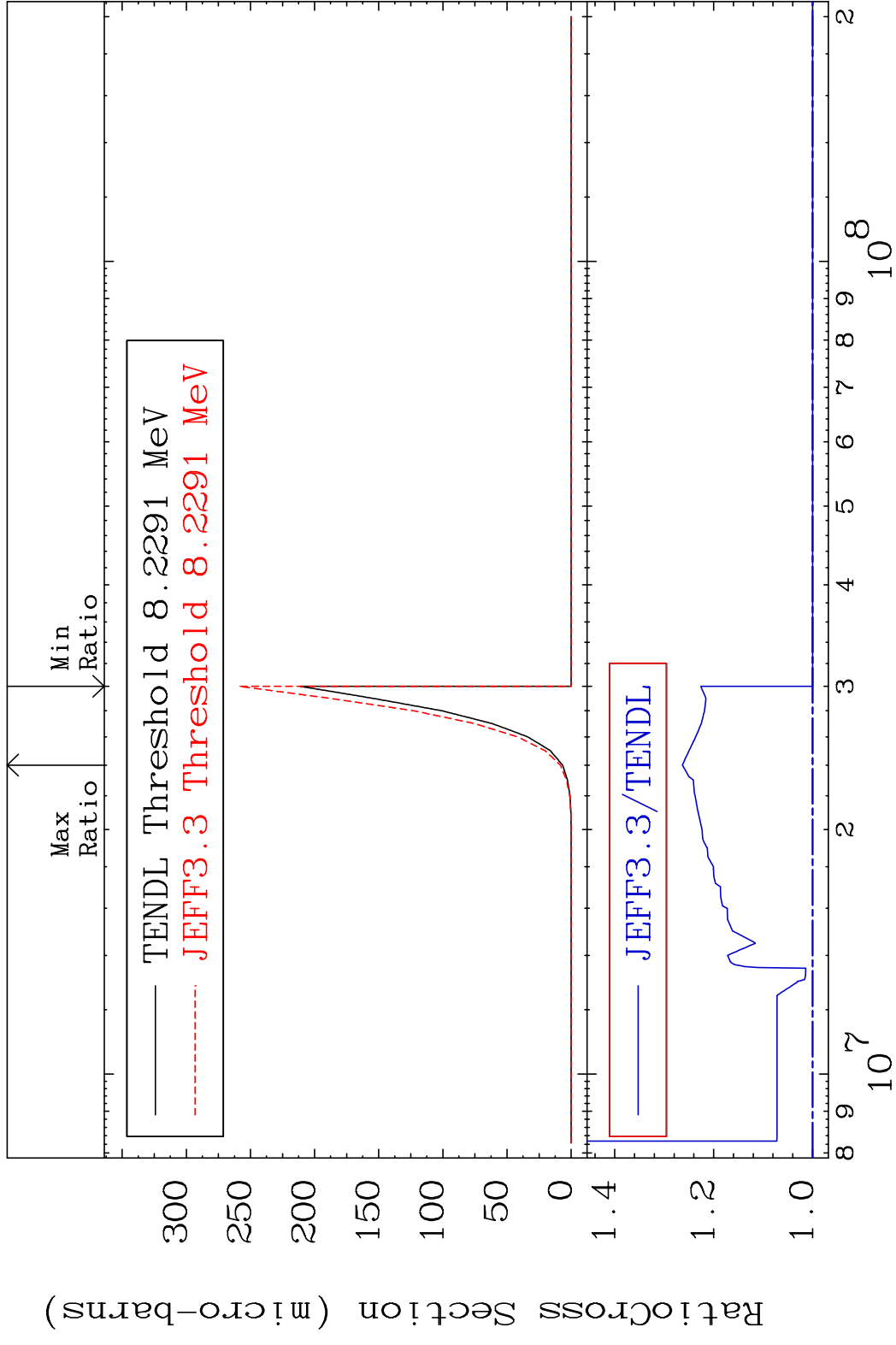


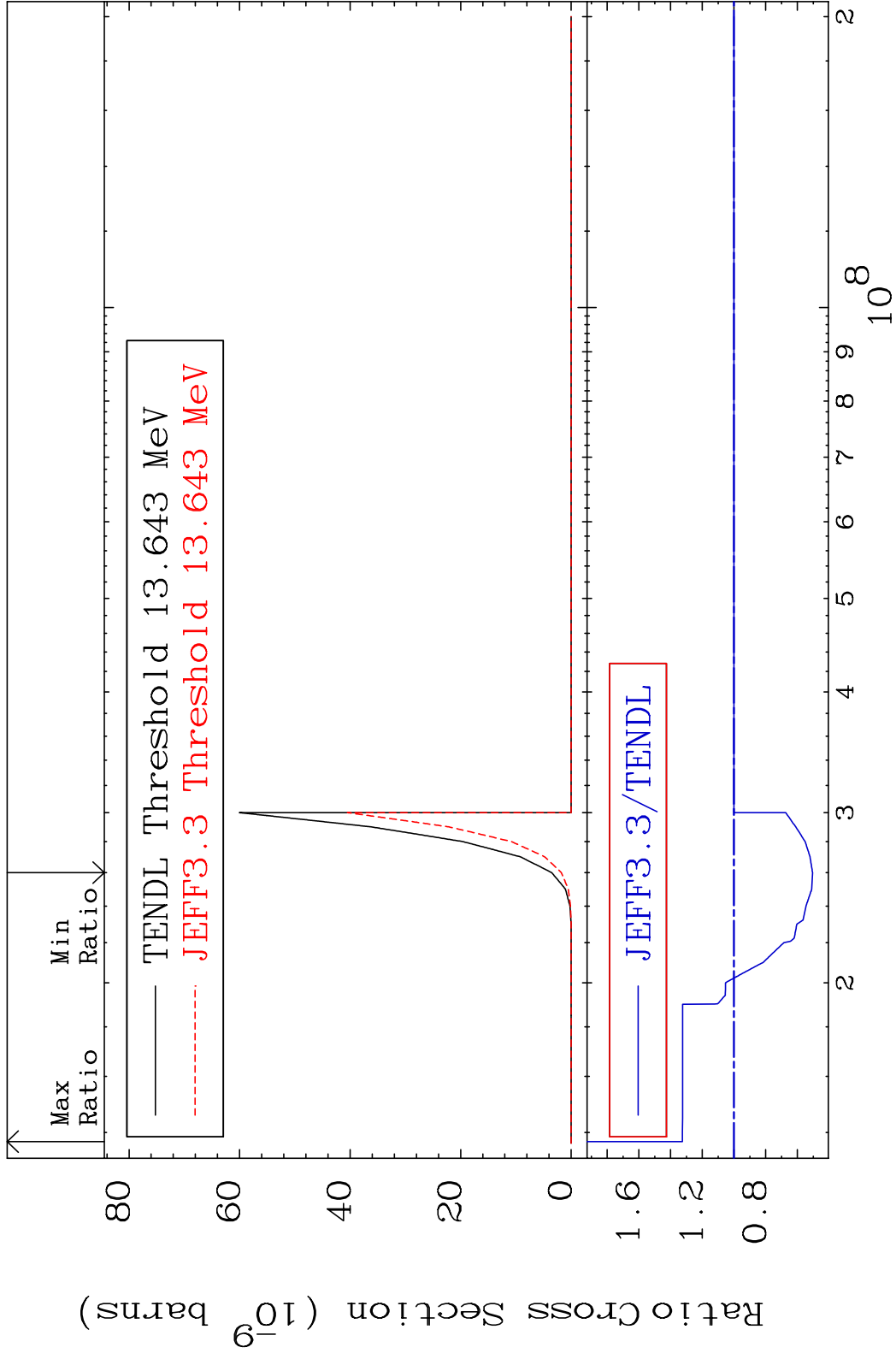
MAT 5528 (n, d):54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section 100% to 302.3 %



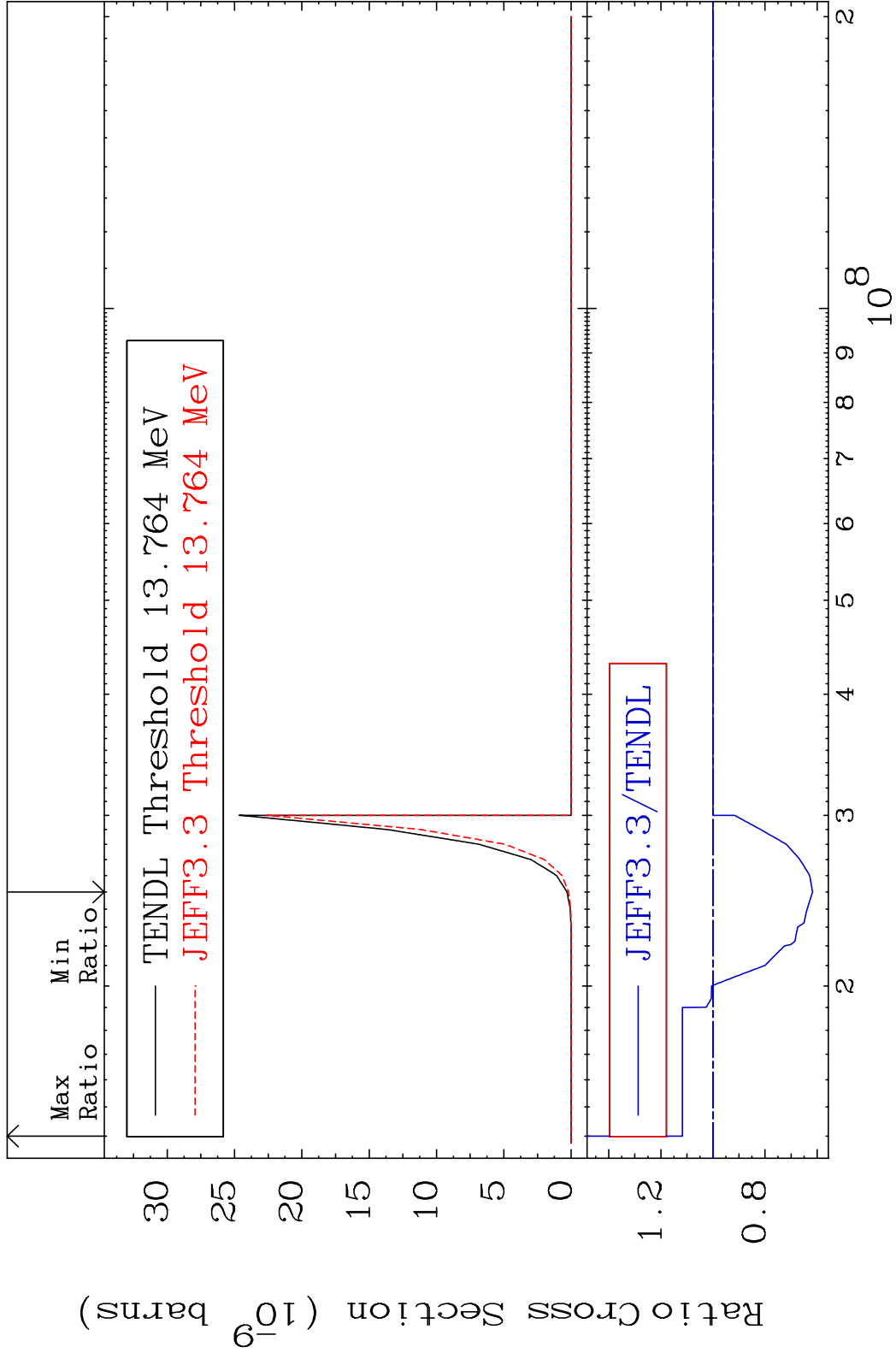


MAT 5528 (n, He-3):53-I -132m3 55-Cs-134
 Radionuclide Production Cross Section 26.33 %





MAT 5528 (n,p) d:53-I -132m3 55-Cs-134
 Radionuclide Production Cross Section 38.261 d/o 11.75 %



100 Incident Energy (eV) 55-Cs-134

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

