

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

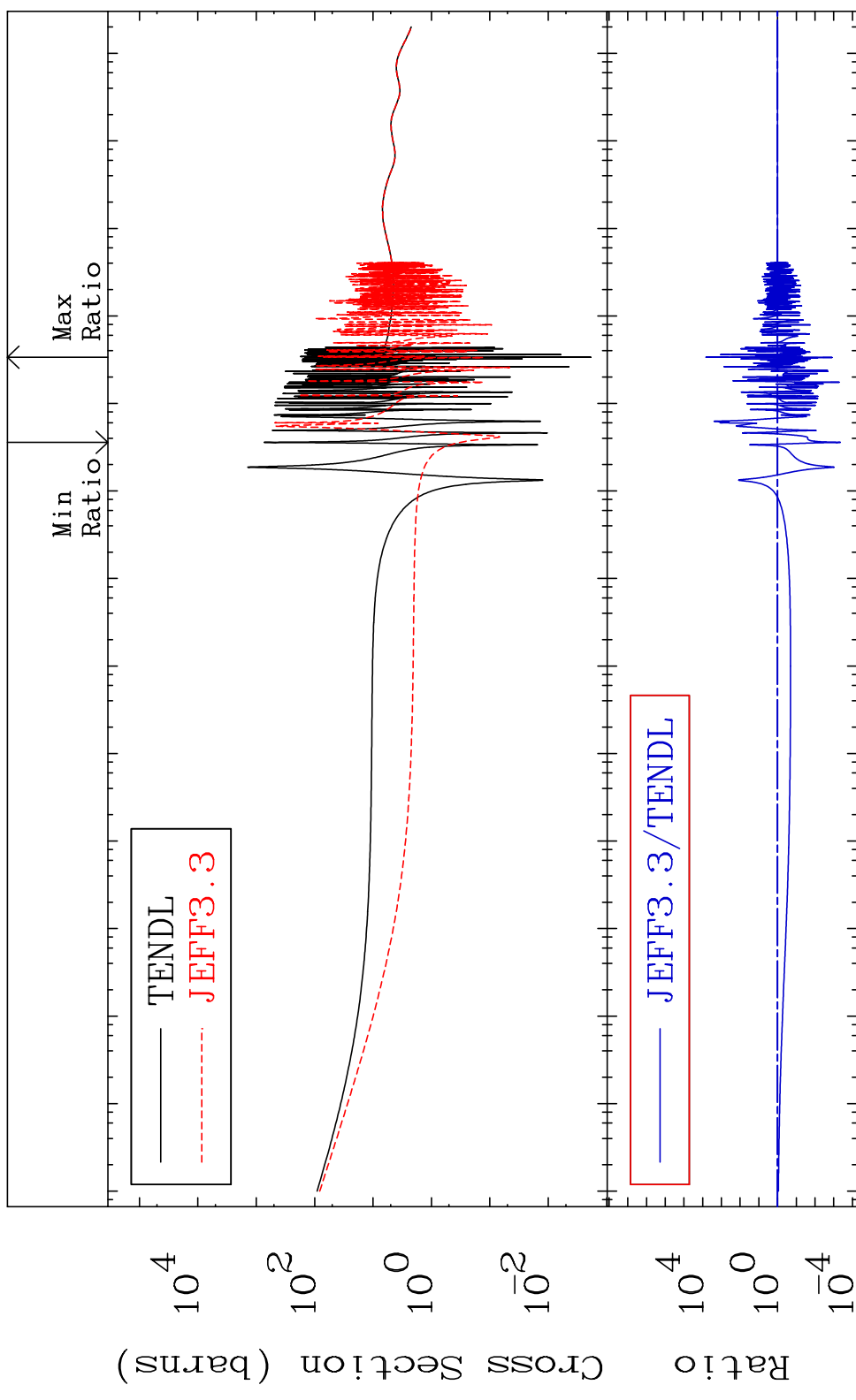
MAT 5655

Total

56-Ba-140

Cross Section

-99.96 To 9999. %



Ratio

1

Incident Energy (eV)

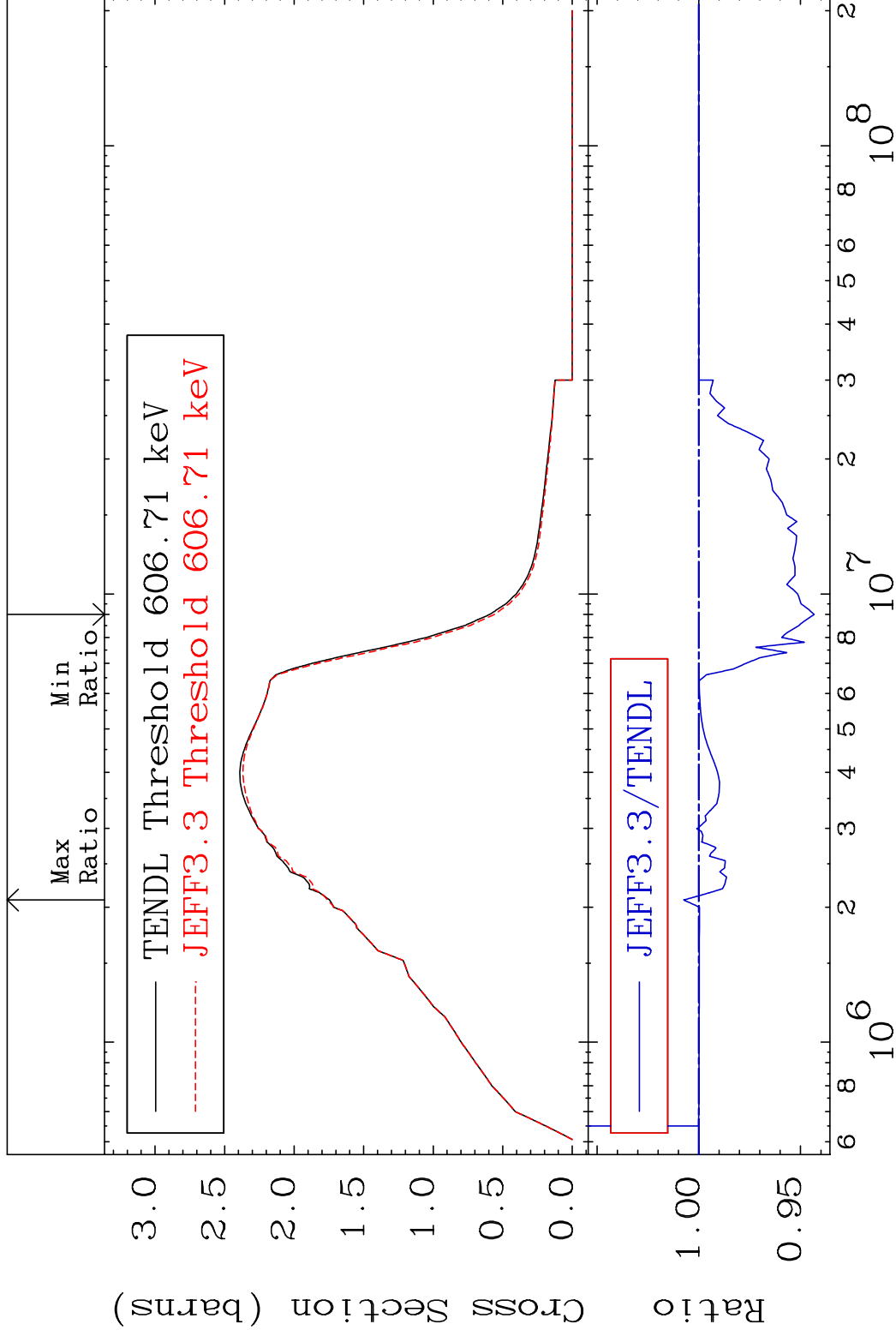
56-Ba-140

MAT 5655

Inelastic

56-Ba-140

Cross Section -5.666 To 0.745 %

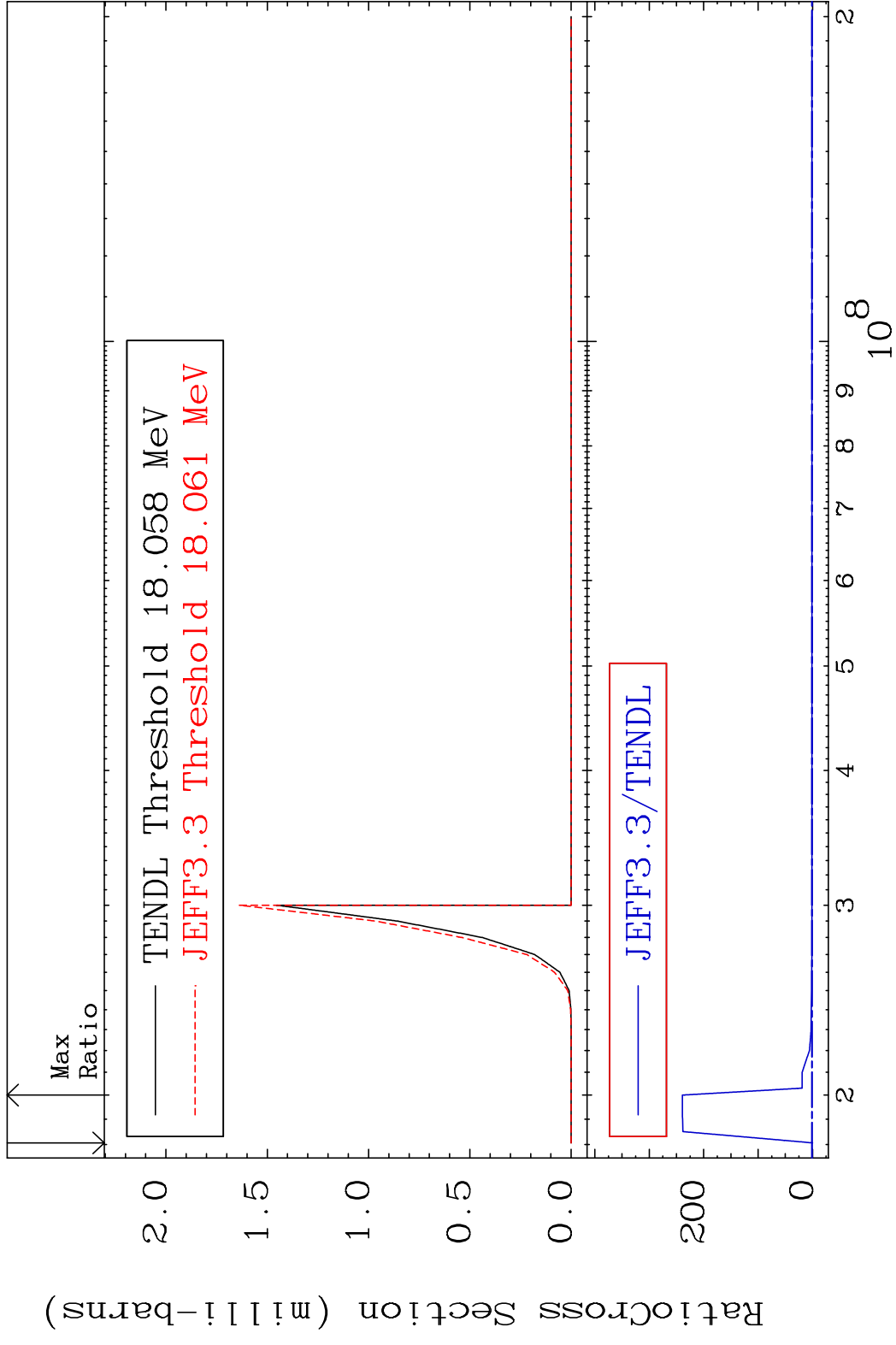


3

Incident Energy (eV)

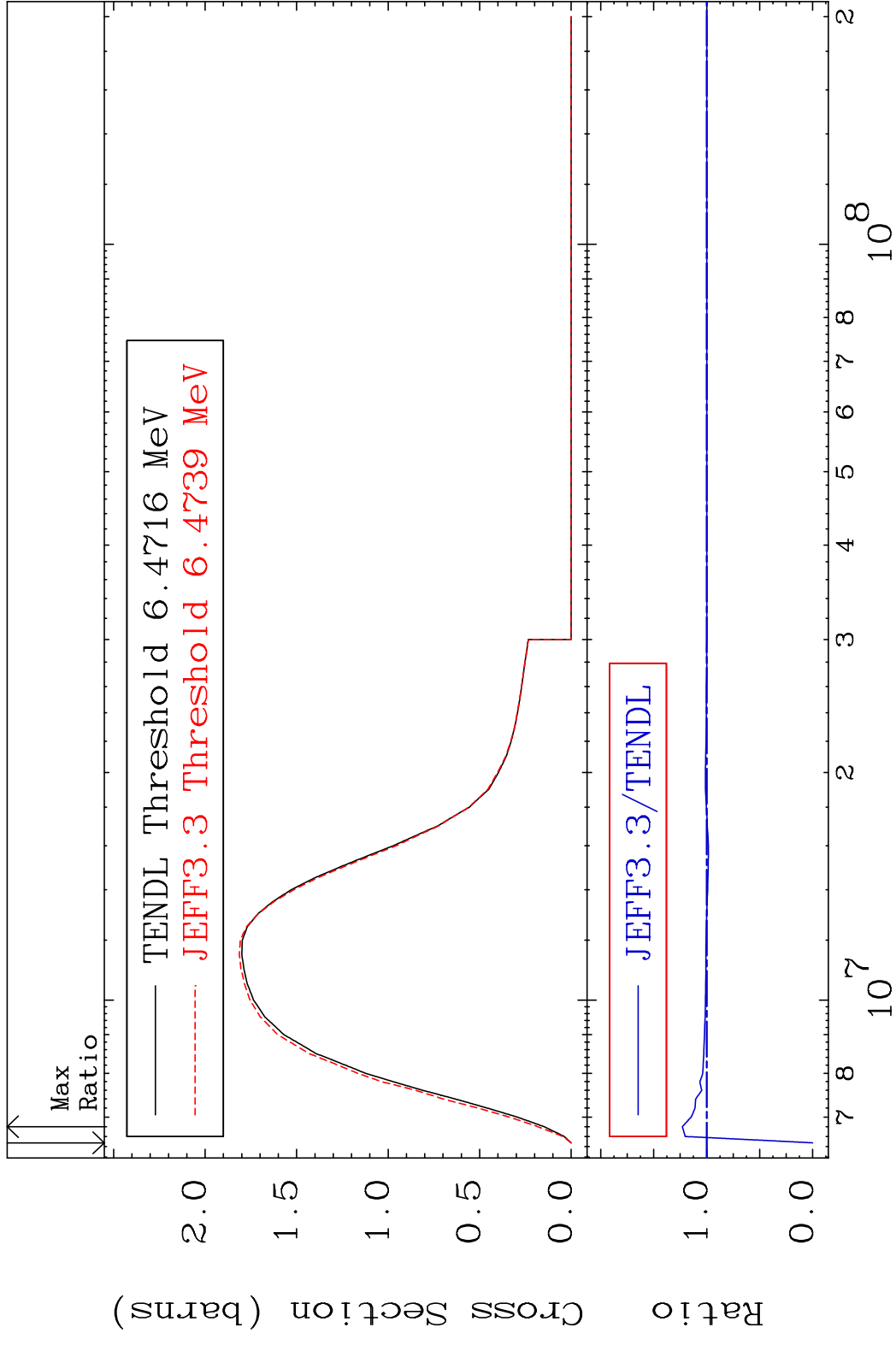
56-Ba-140

MAT 5655 (n,2n) d 56-Ba-140
 Cross Section -100.0 To 9999. %



4 Incident Energy (eV) 56-Ba-140

MAT 5655 (n,2n) 56-Ba-140
 Cross Section -100.0 To 22.98 %



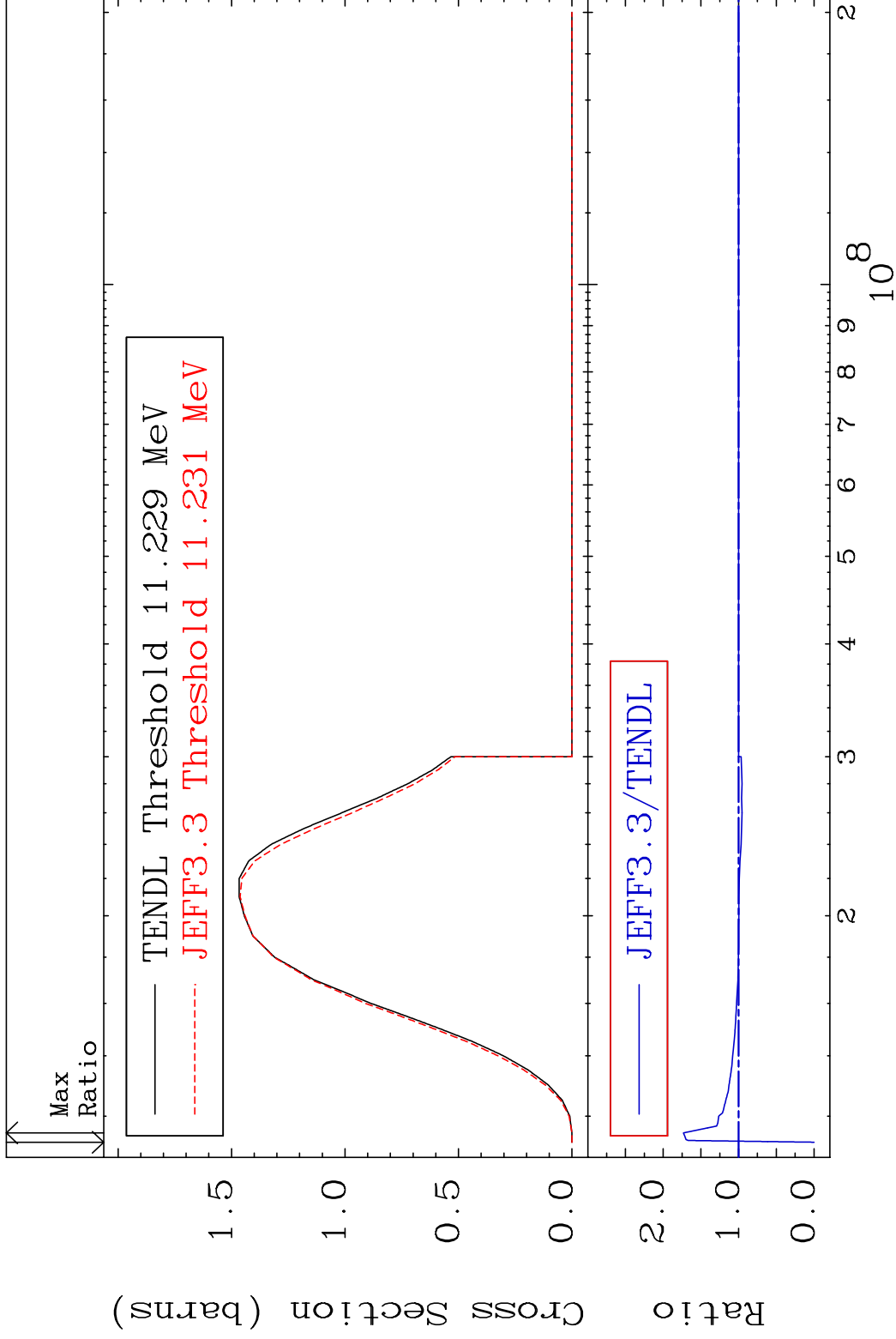
5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 56-Ba-140

MAT 5655

(n,3n)

56-Ba-140

Cross Section -100.0 To 73.10 %



6

Incident Energy (eV)

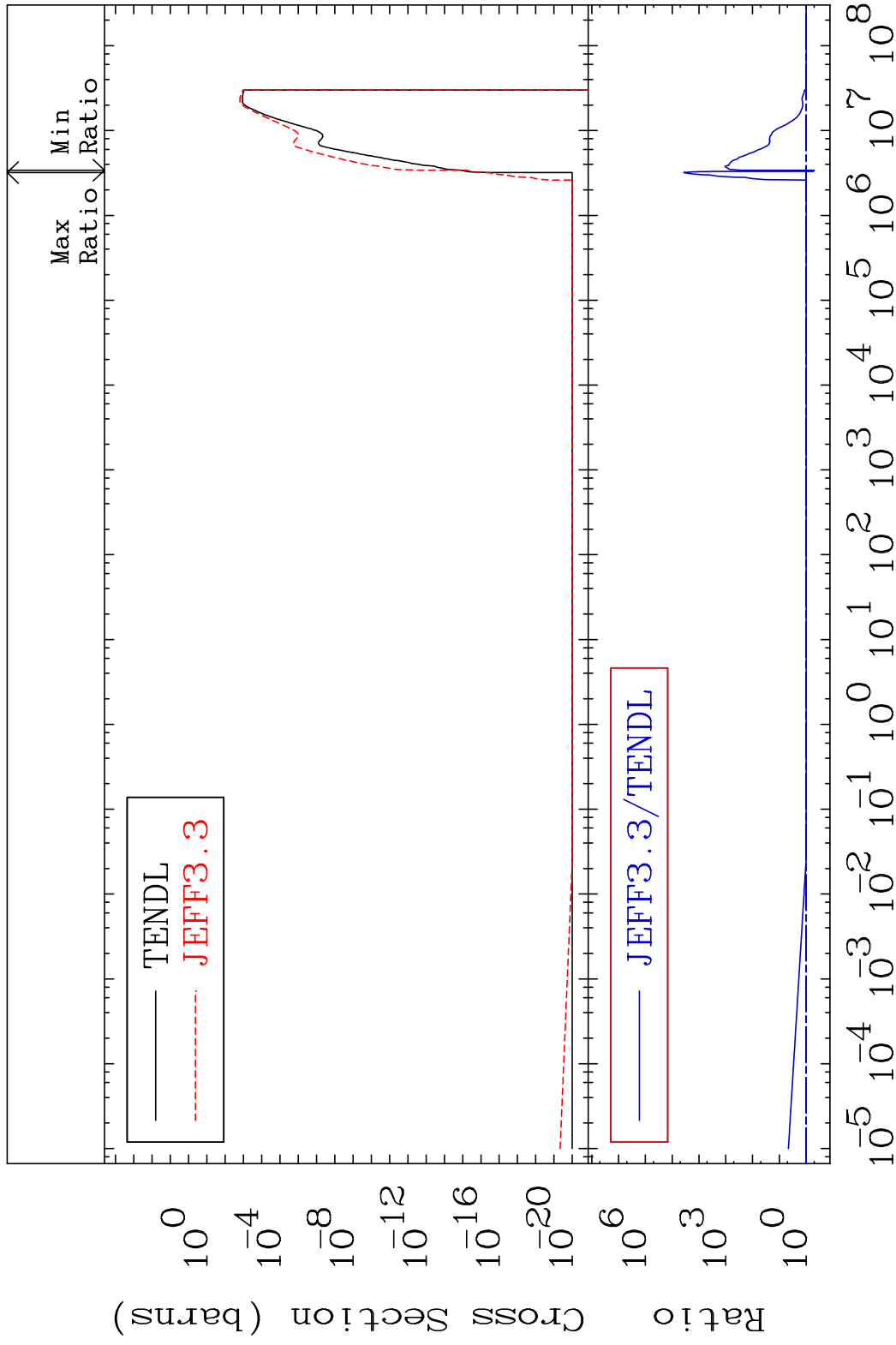
56-Ba-140

MAT 5655

(n, n') α

56-Ba-140

Cross Section -49.63 To 9999. %

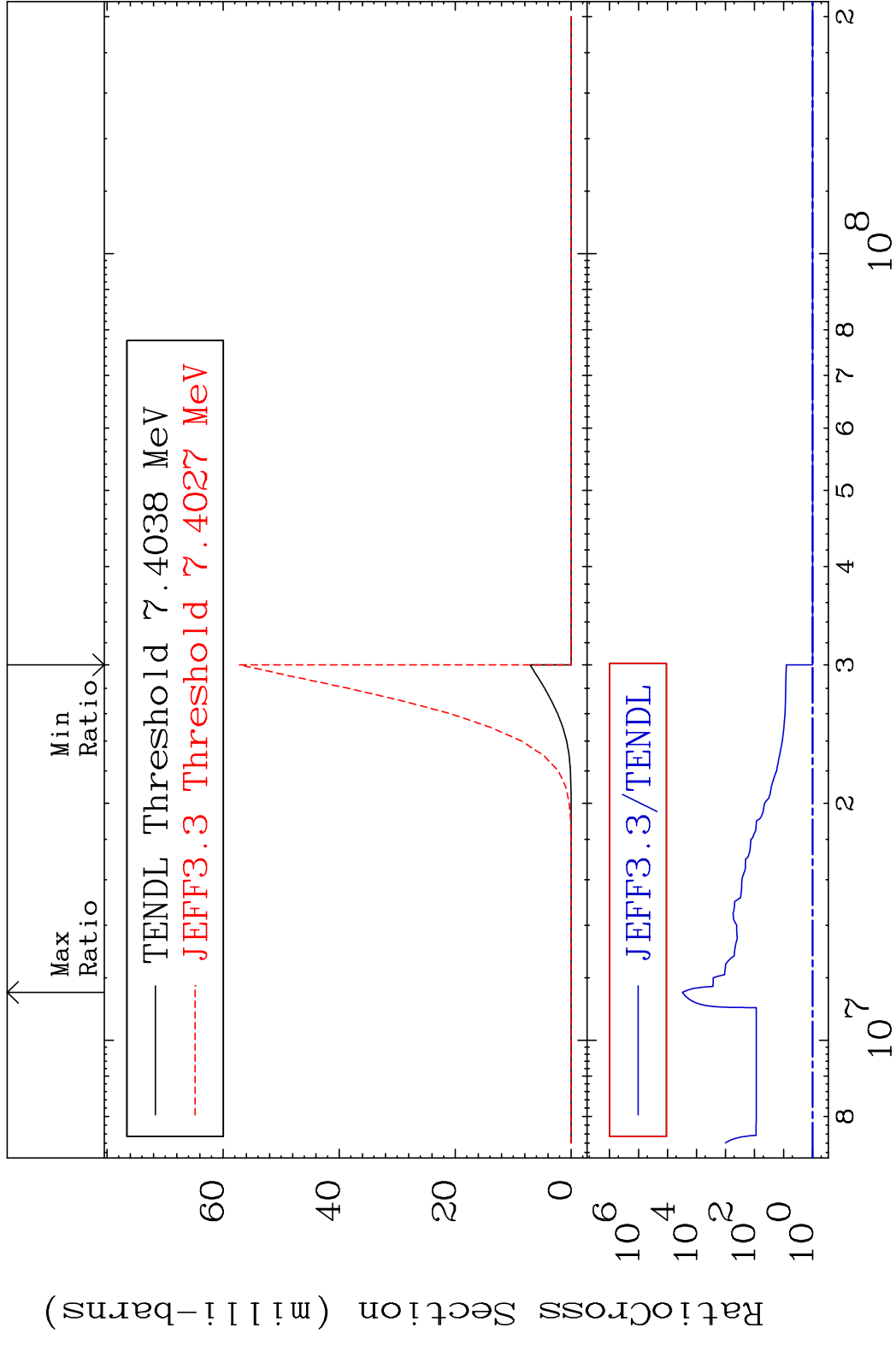


7

Incident Energy (eV)

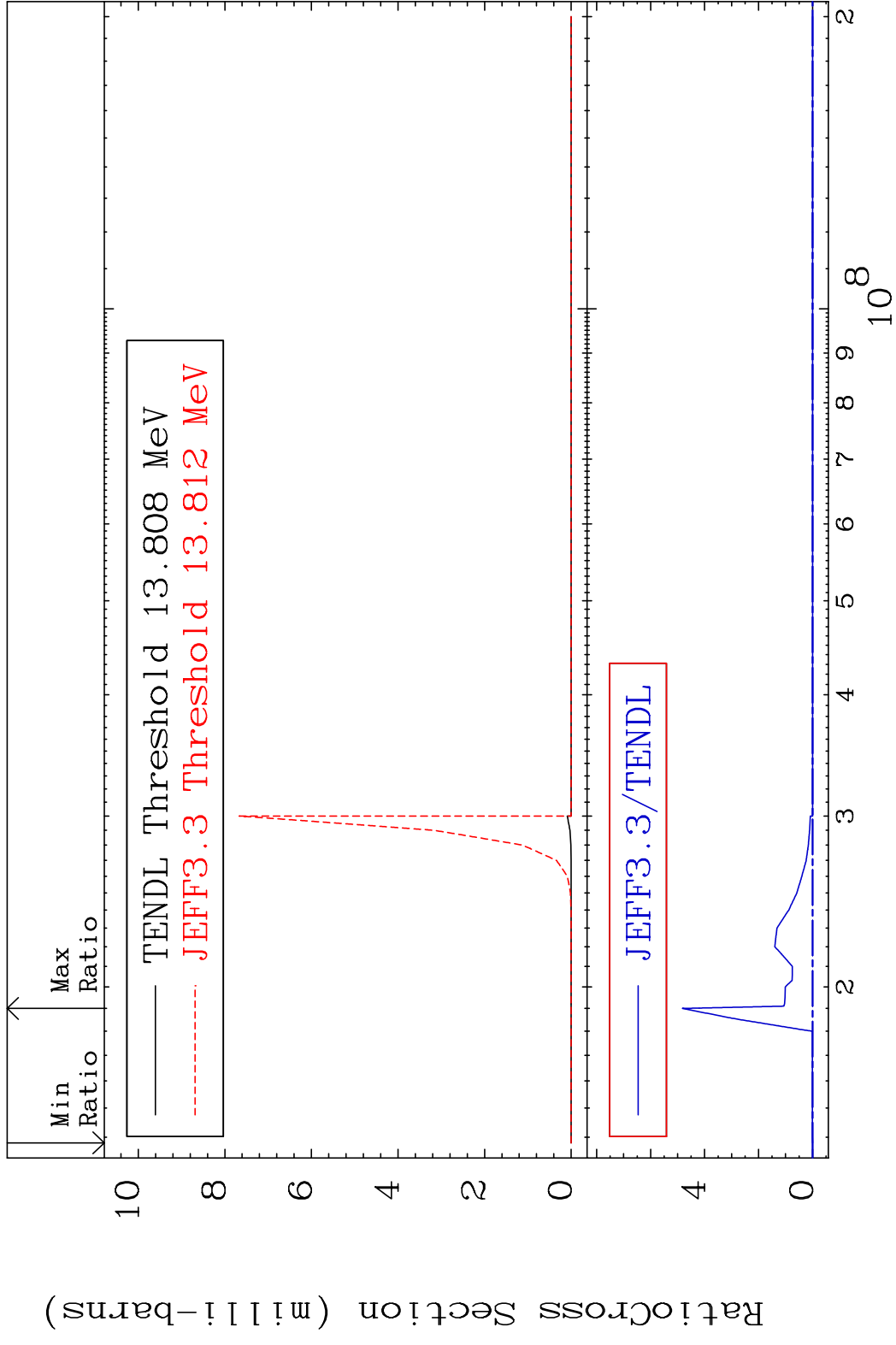
56-Ba-140

MAT 5655 (n,2n) α 56-Ba-140
 Cross Section 0.000 To 9999. %



8 10⁷ 10⁸ 56-Ba-140

MAT 5655 (n,3n) α 56-Ba-140
 Cross Section -100.0 To 9999. %

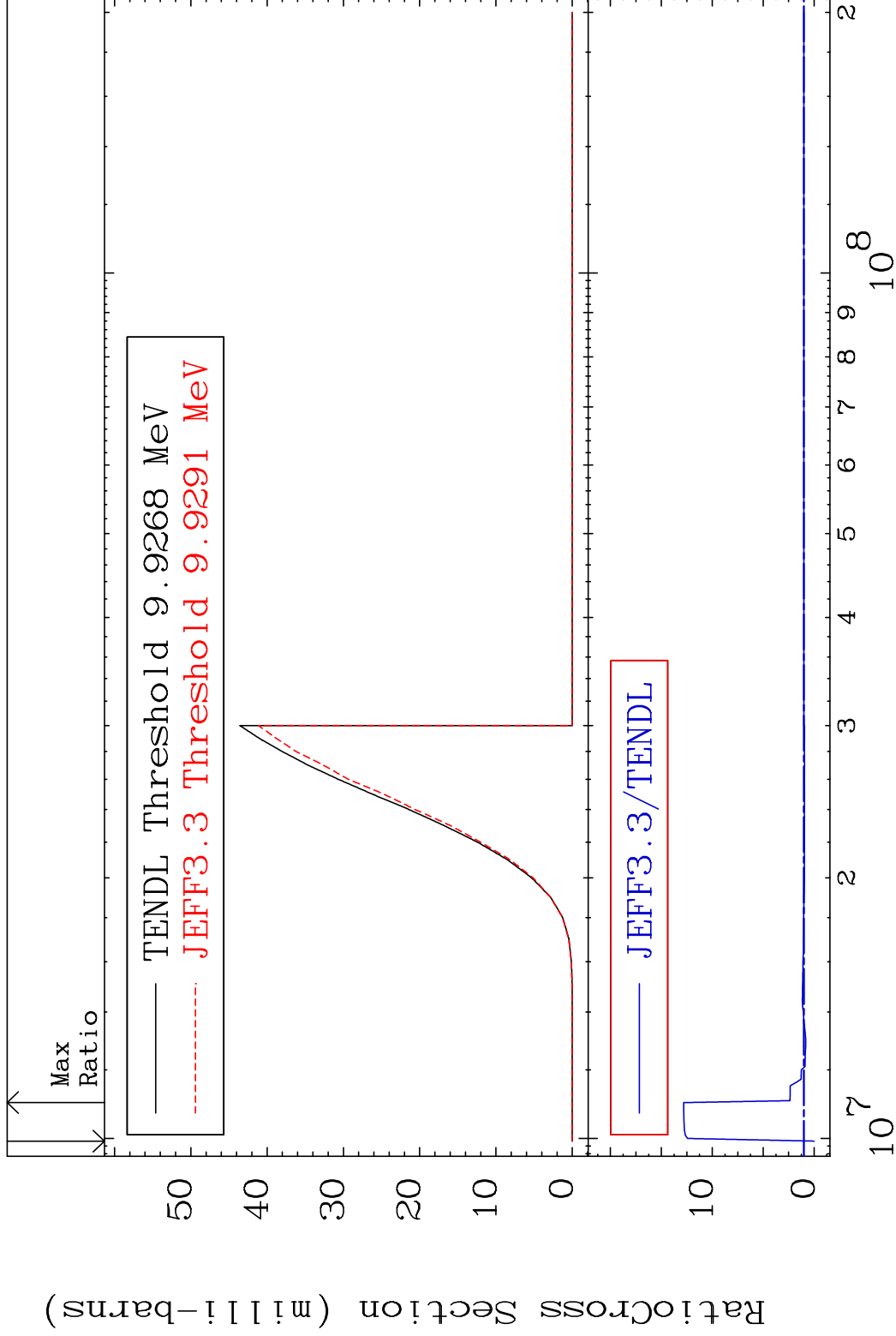


MAT 5655

(n, n') p

56-Ba-140

Cross Section -100.0 To 1181. %

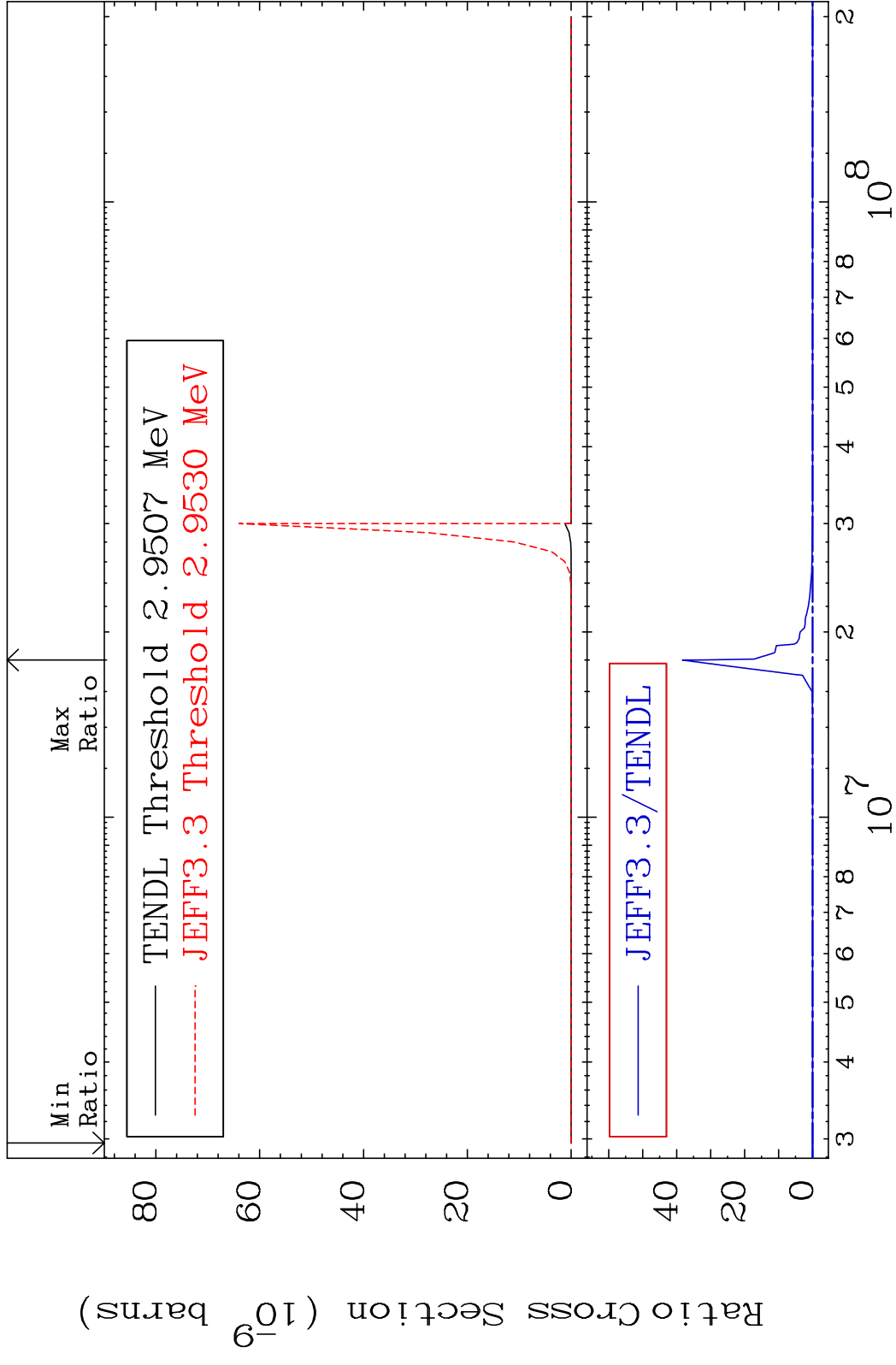


10

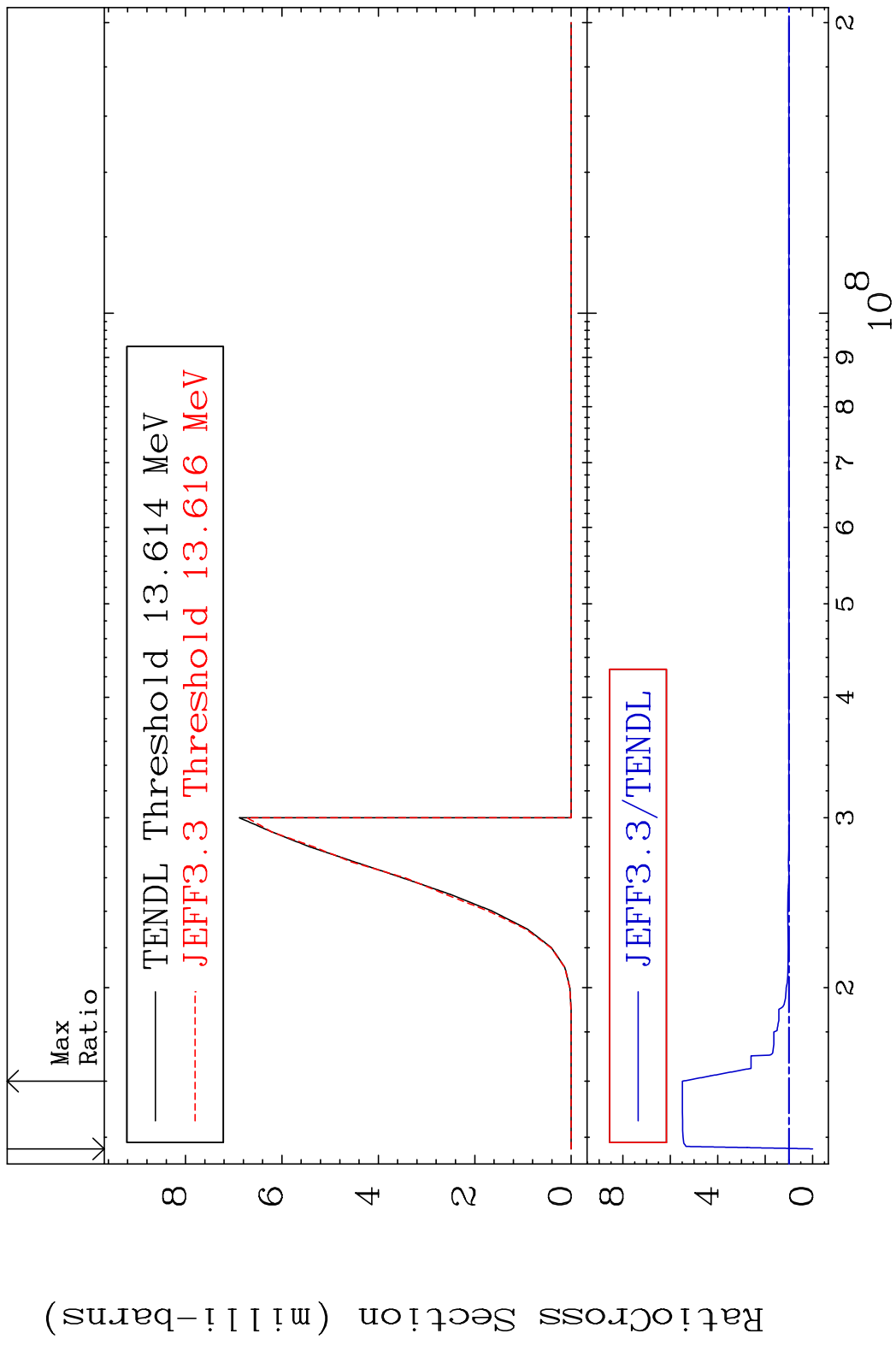
Incident Energy (eV)

56-Ba-140

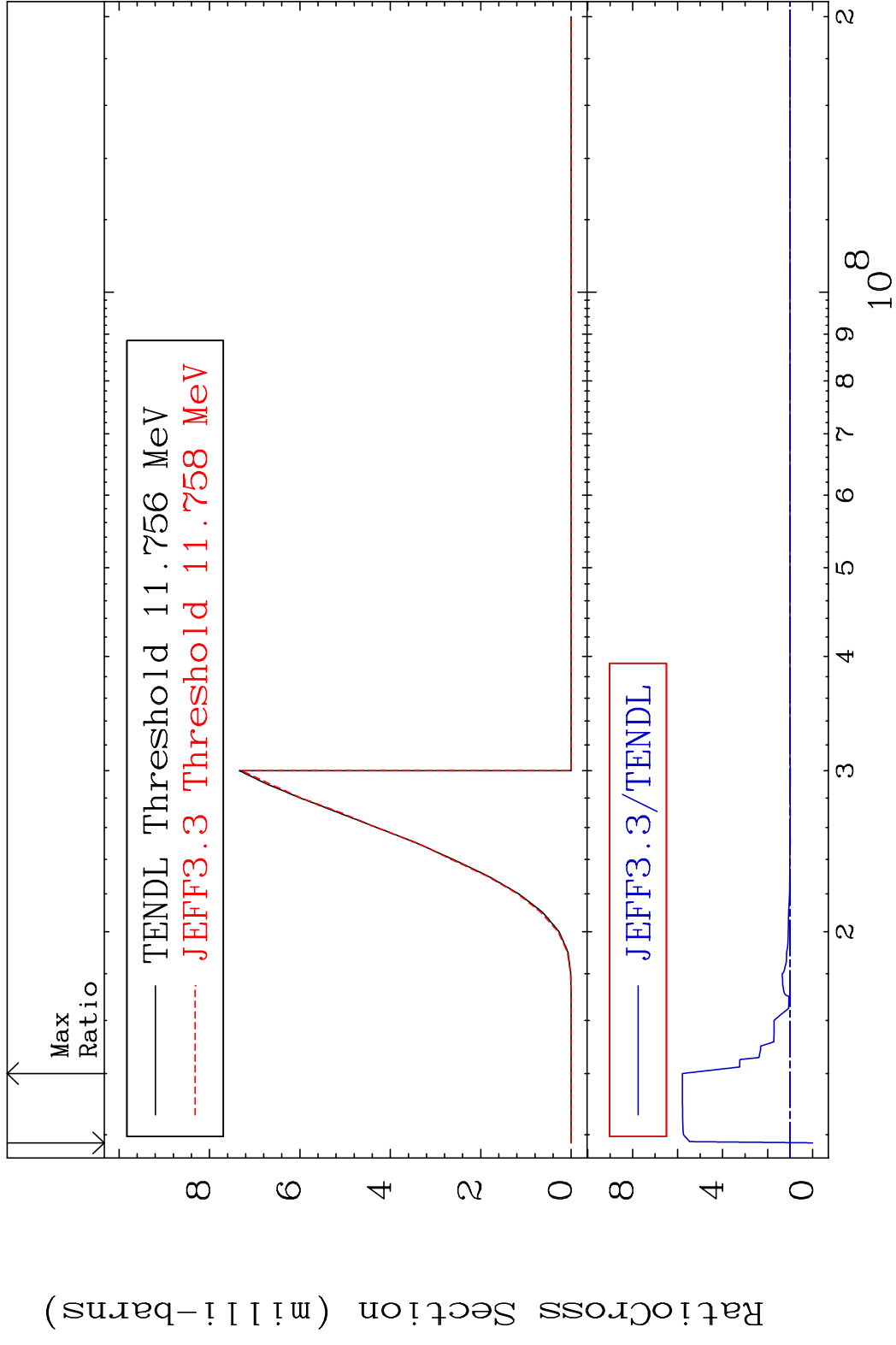
MAT 5655 (n, n') 2α 56-Ba-140
 Cross Section -100.0 To 9999. %



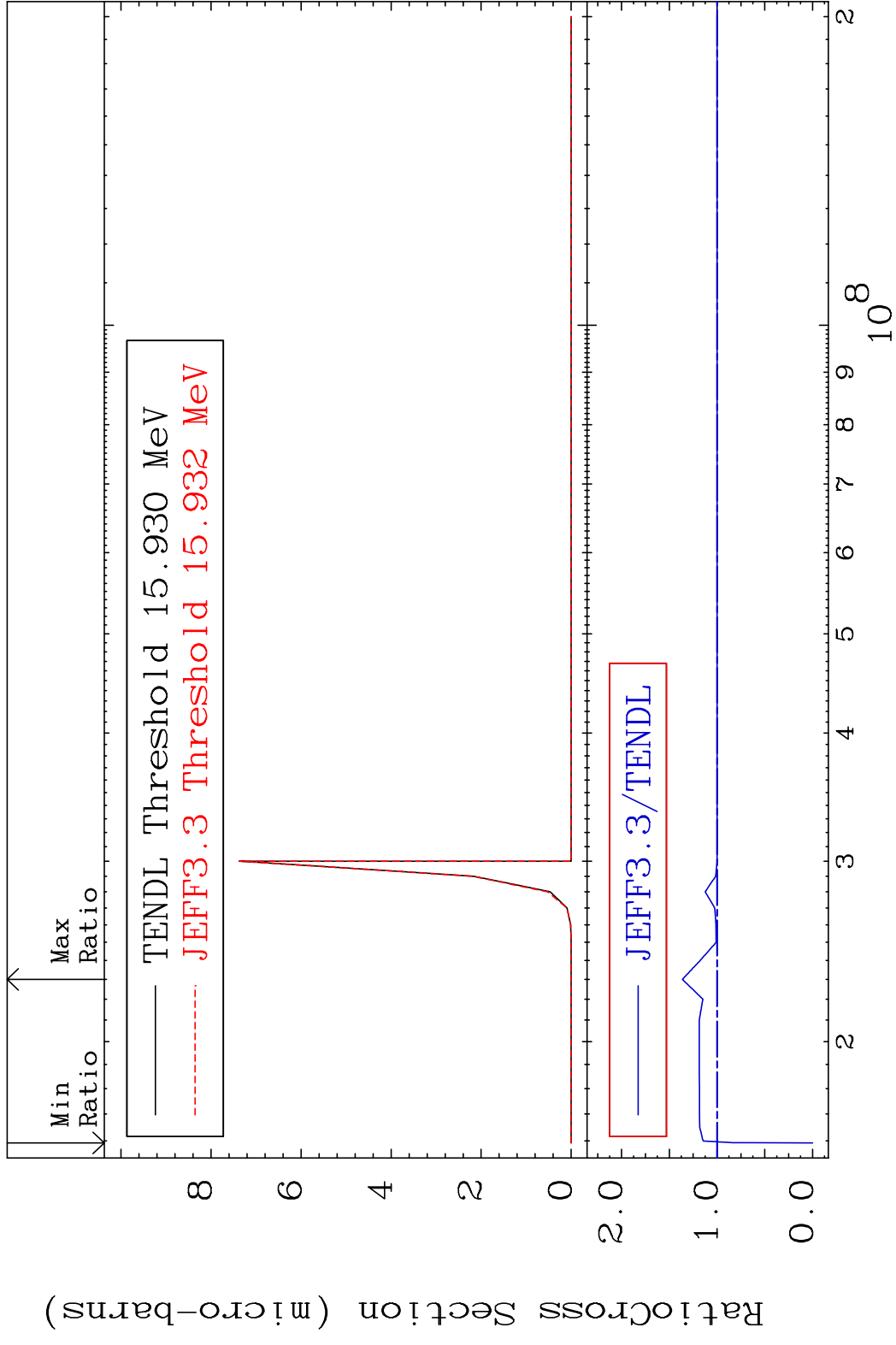
MAT 5655 (n, n') d 56-Ba-140
 Cross Section -100.0 To 449.2 %



MAT 5655 (n, n') t 56-Ba-140
 Cross Section -100.0 To 479.0 %



MAT 5655 (n,n') He-3 56-Ba-140
 Cross Section -100.0 To 36.36 %

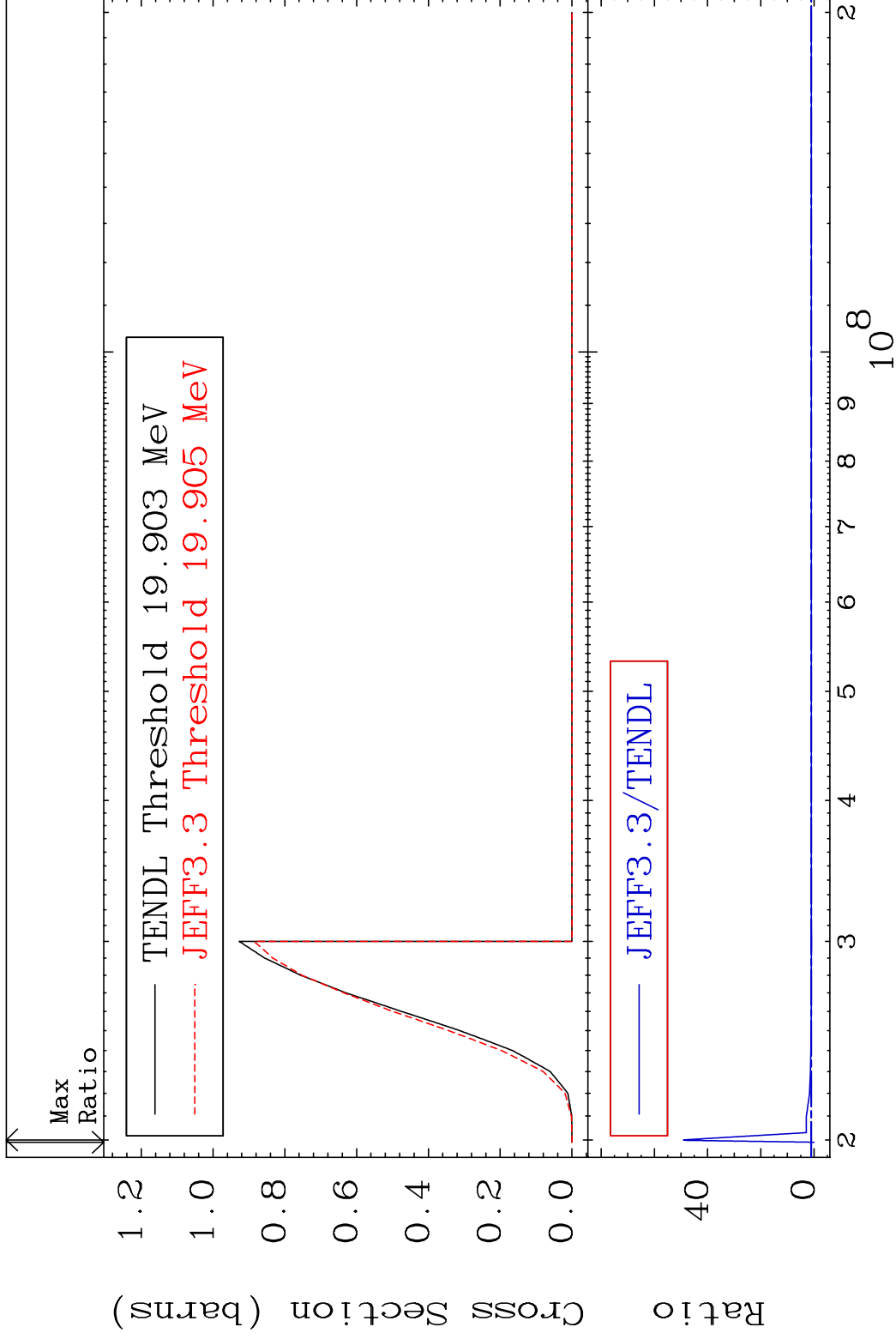


MAT 5655

(n,4n)

56-Ba-140

Cross Section -100.0 To 4807. %

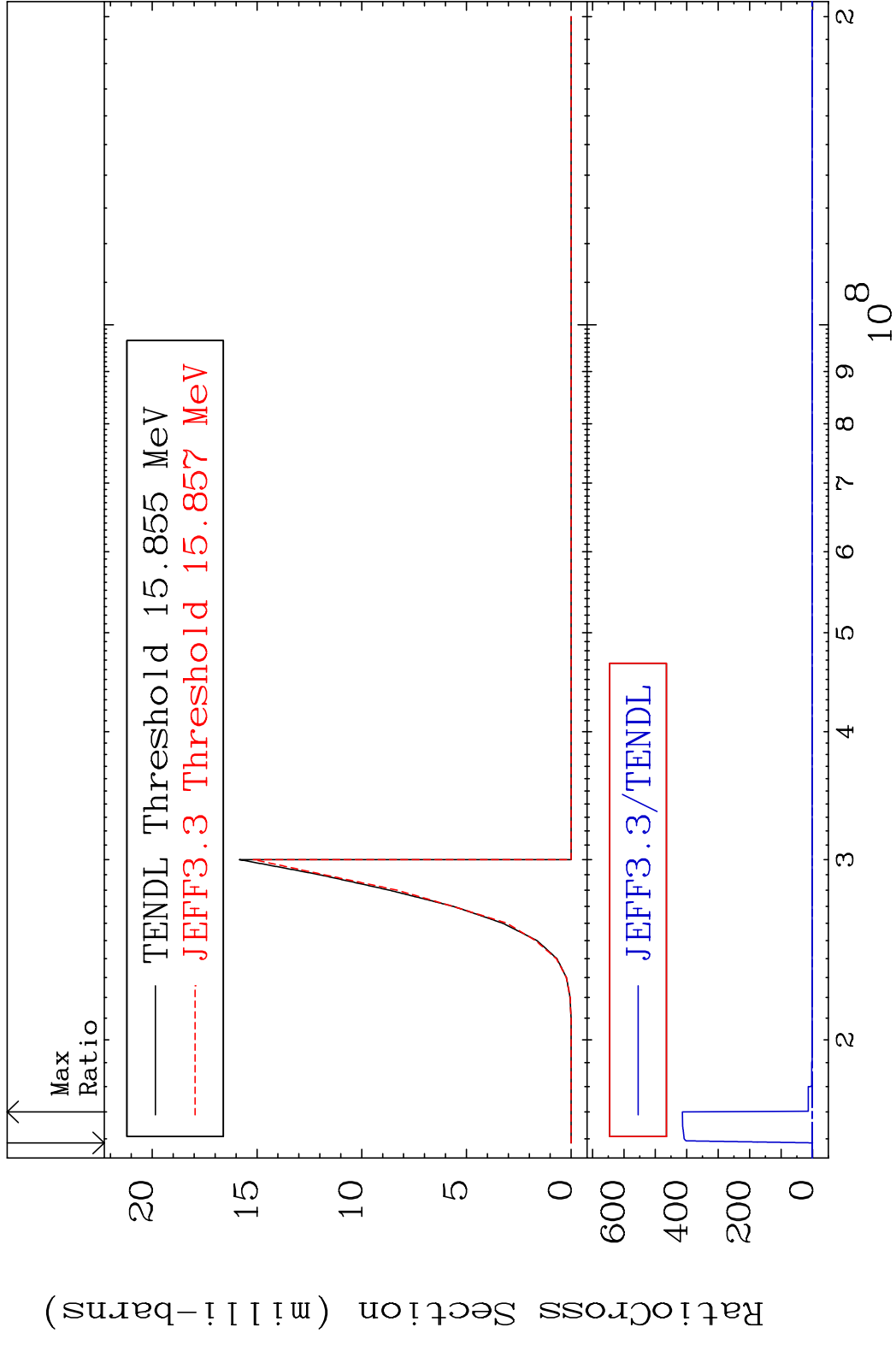


15

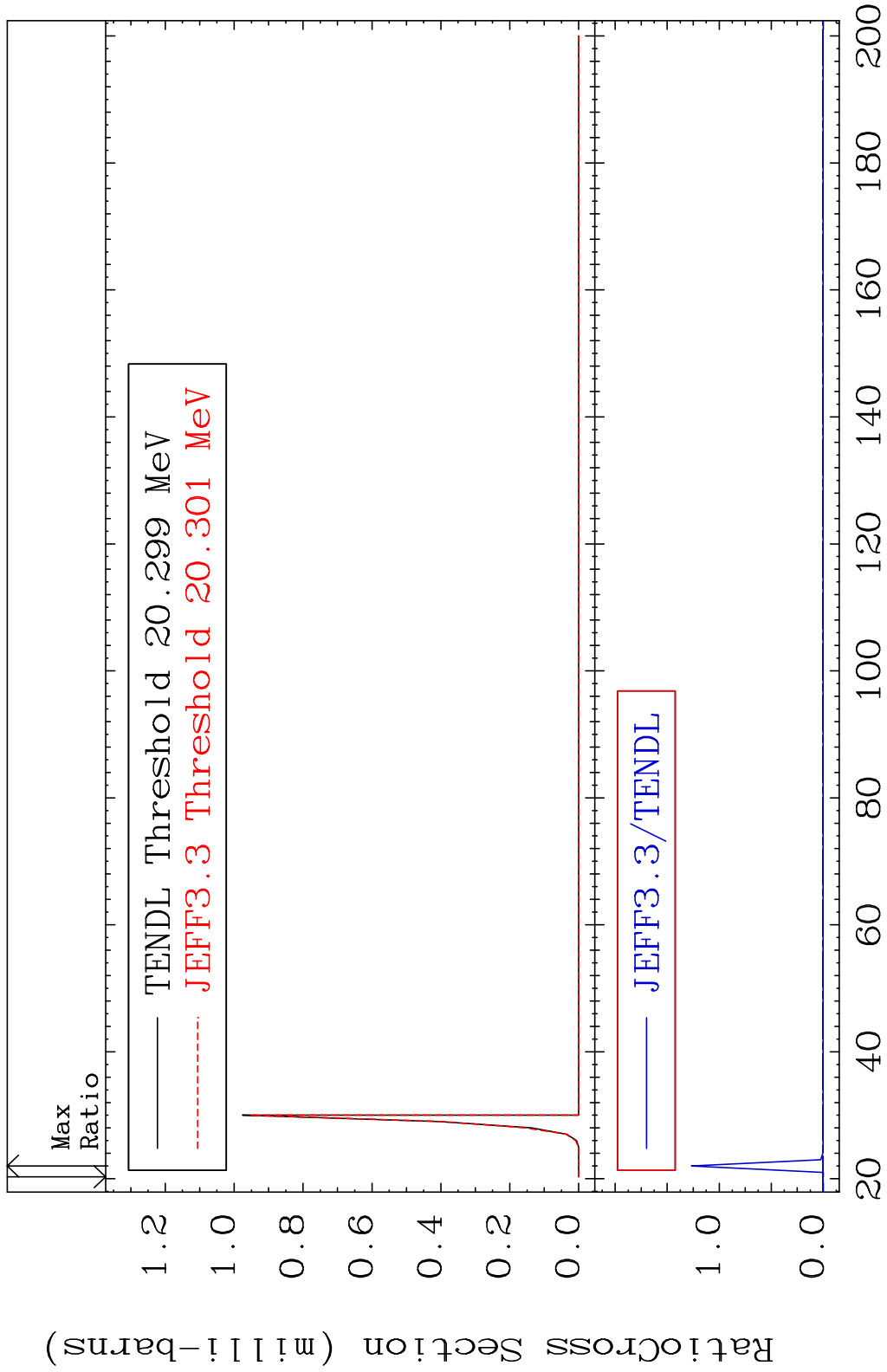
Incident Energy (eV)

56-Ba-140

MAT 5655 (n,2n) p 56-Ba-140
 Cross Section -100.0 To 9999. %



MAT 5655 (n,3n) p 56-Ba-140
 Cross Section -100.0 To 9999. %

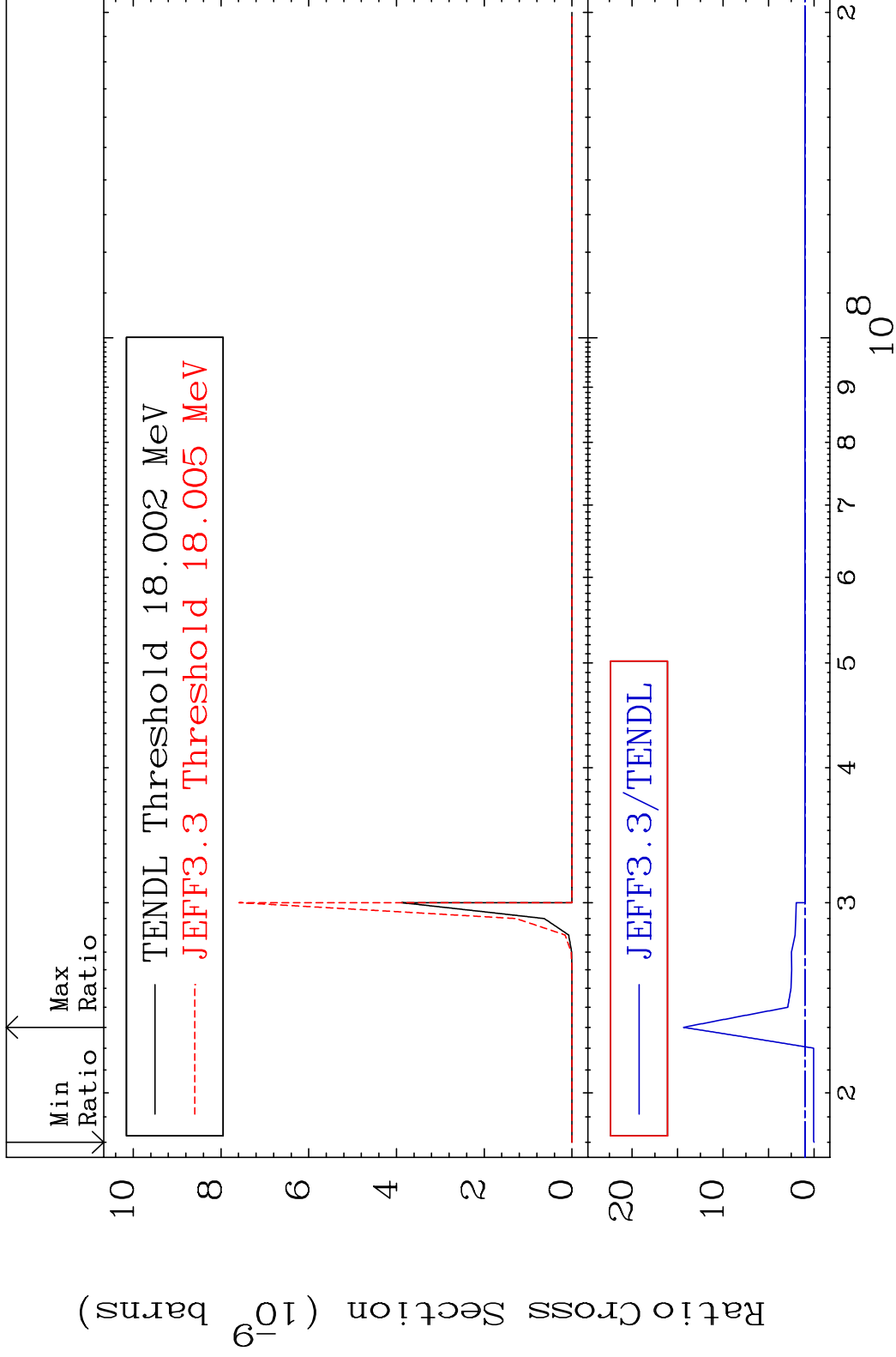


MAT 5655

(n,2n) p

56-Ba-140

Cross Section -100.0 To 1336. %



18

Incident Energy (eV)

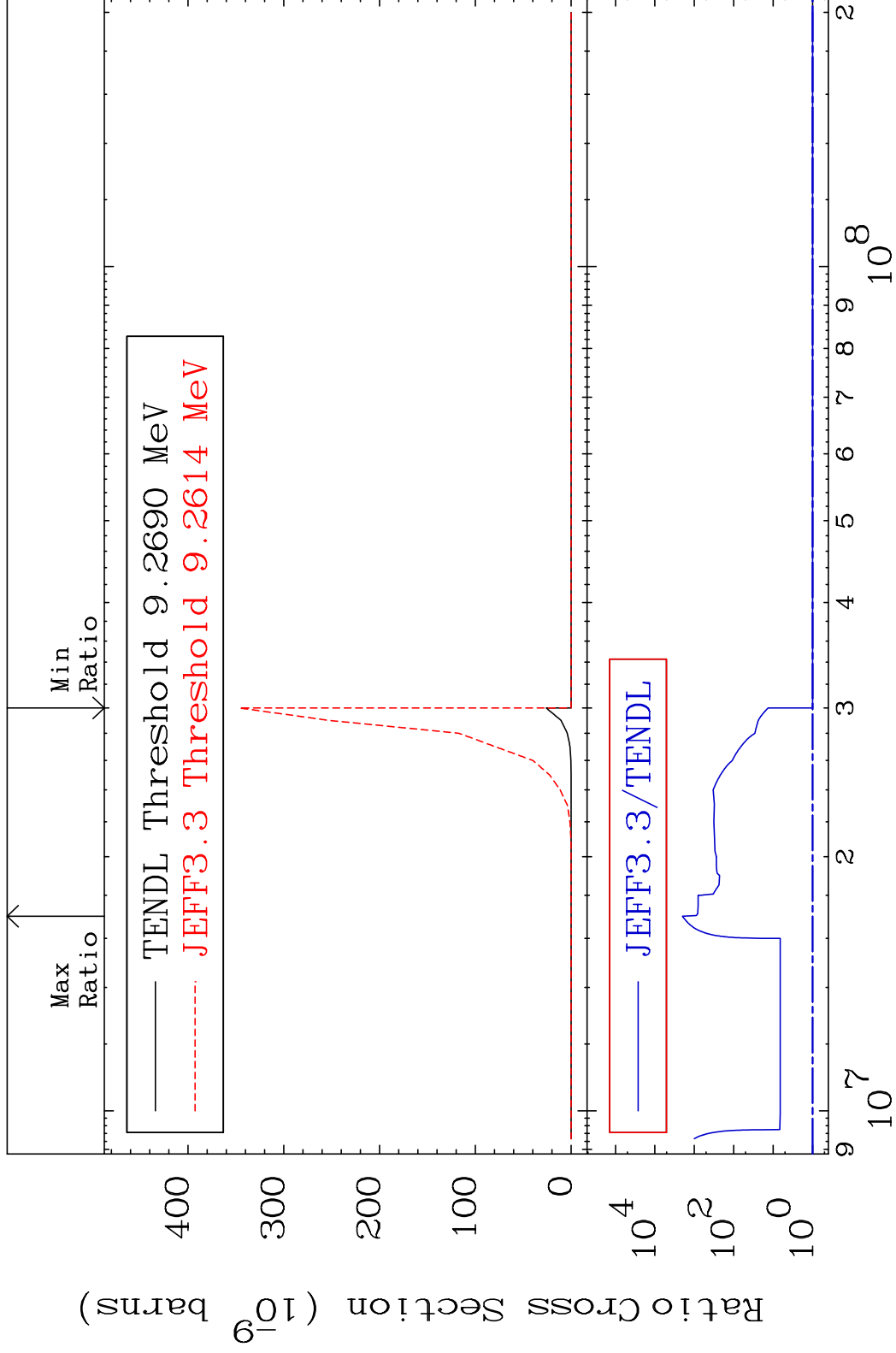
56-Ba-140

MAT 5655

(n, n') p α

56-Ba-140

Cross Section 0.000 To 9999. %

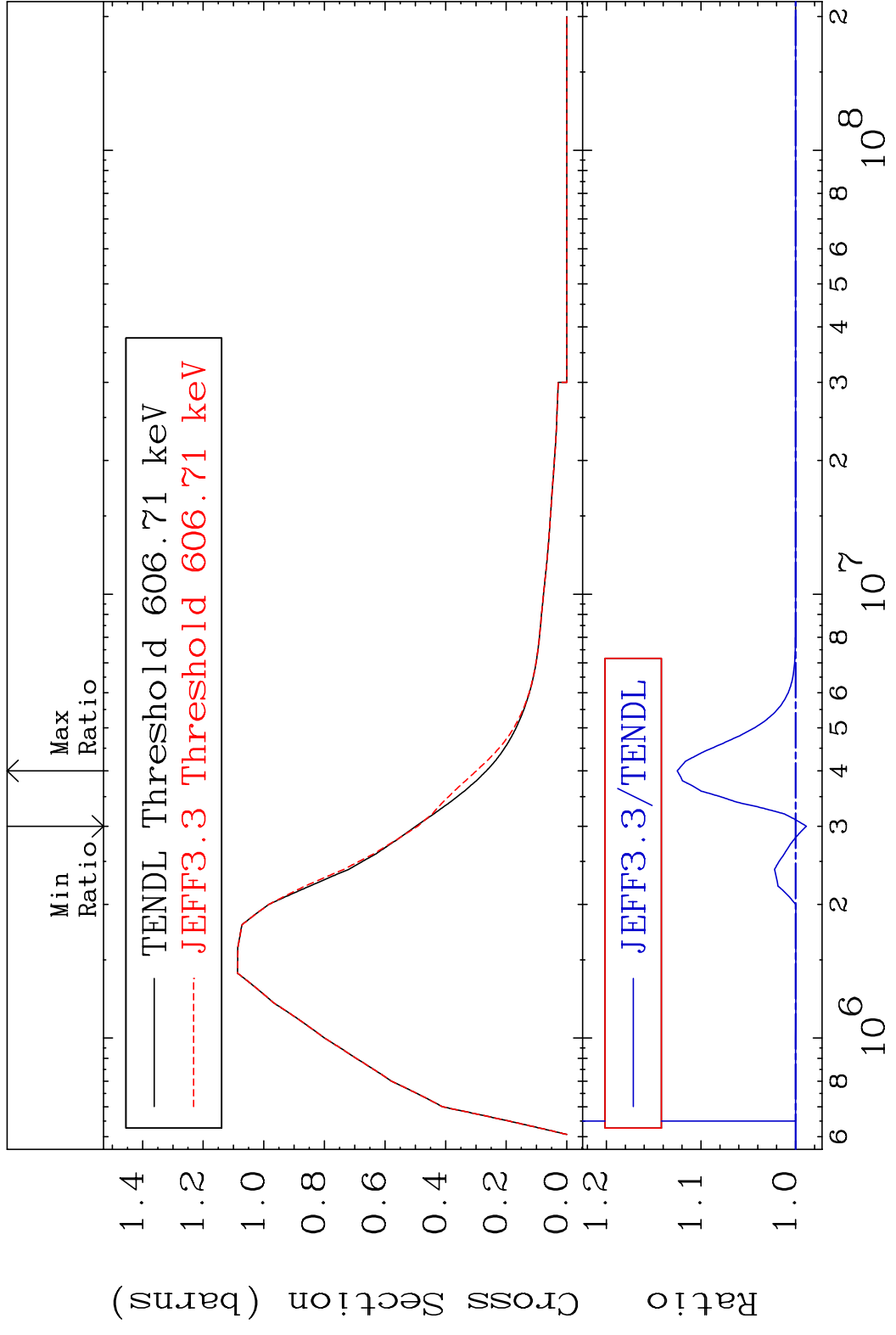


19

Incident Energy (eV)

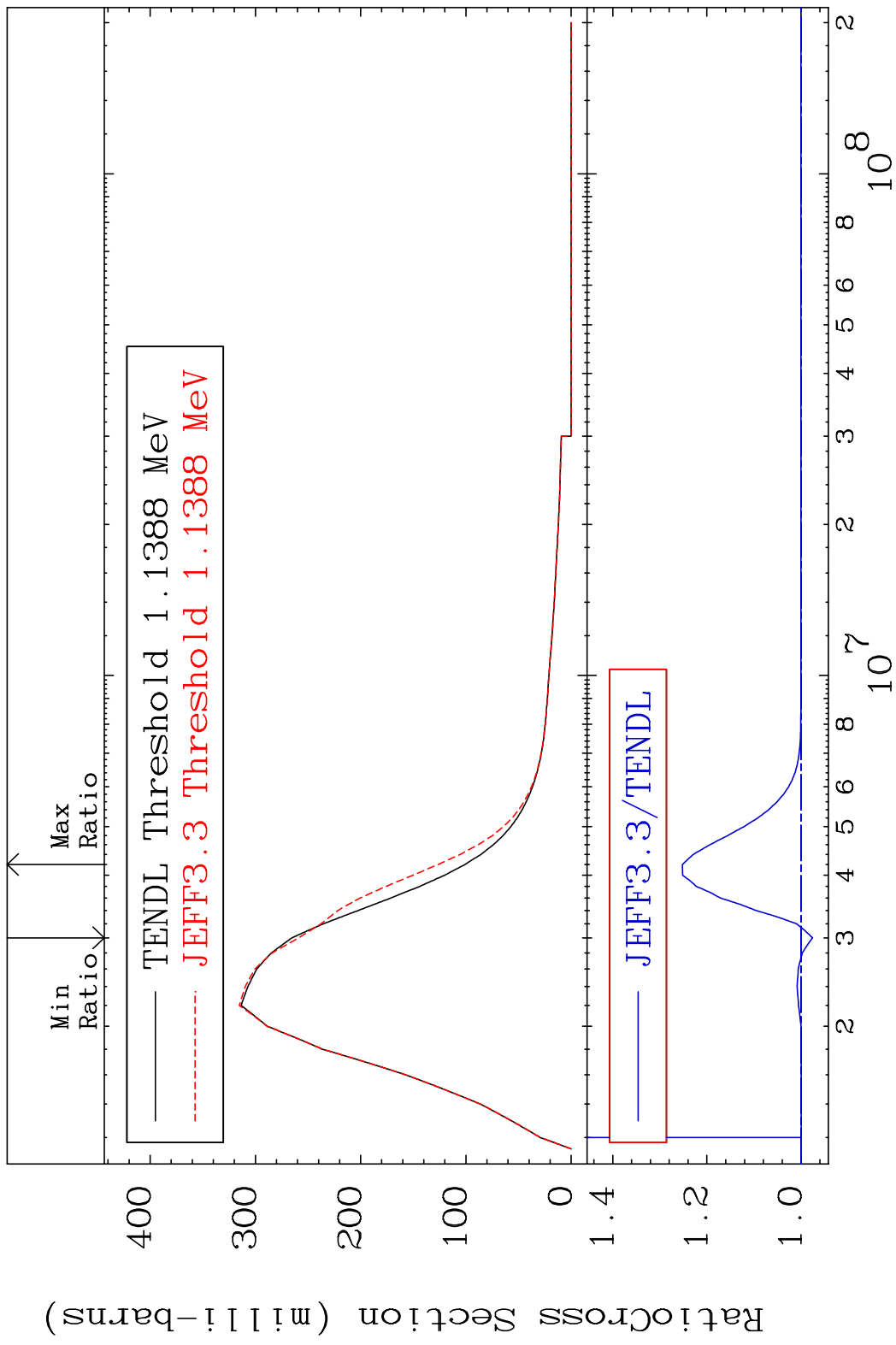
56-Ba-140

MAT 5655 MT= 51 (n,n') Level 56-Ba-140
 Cross Section -1.144 To 12.52 %

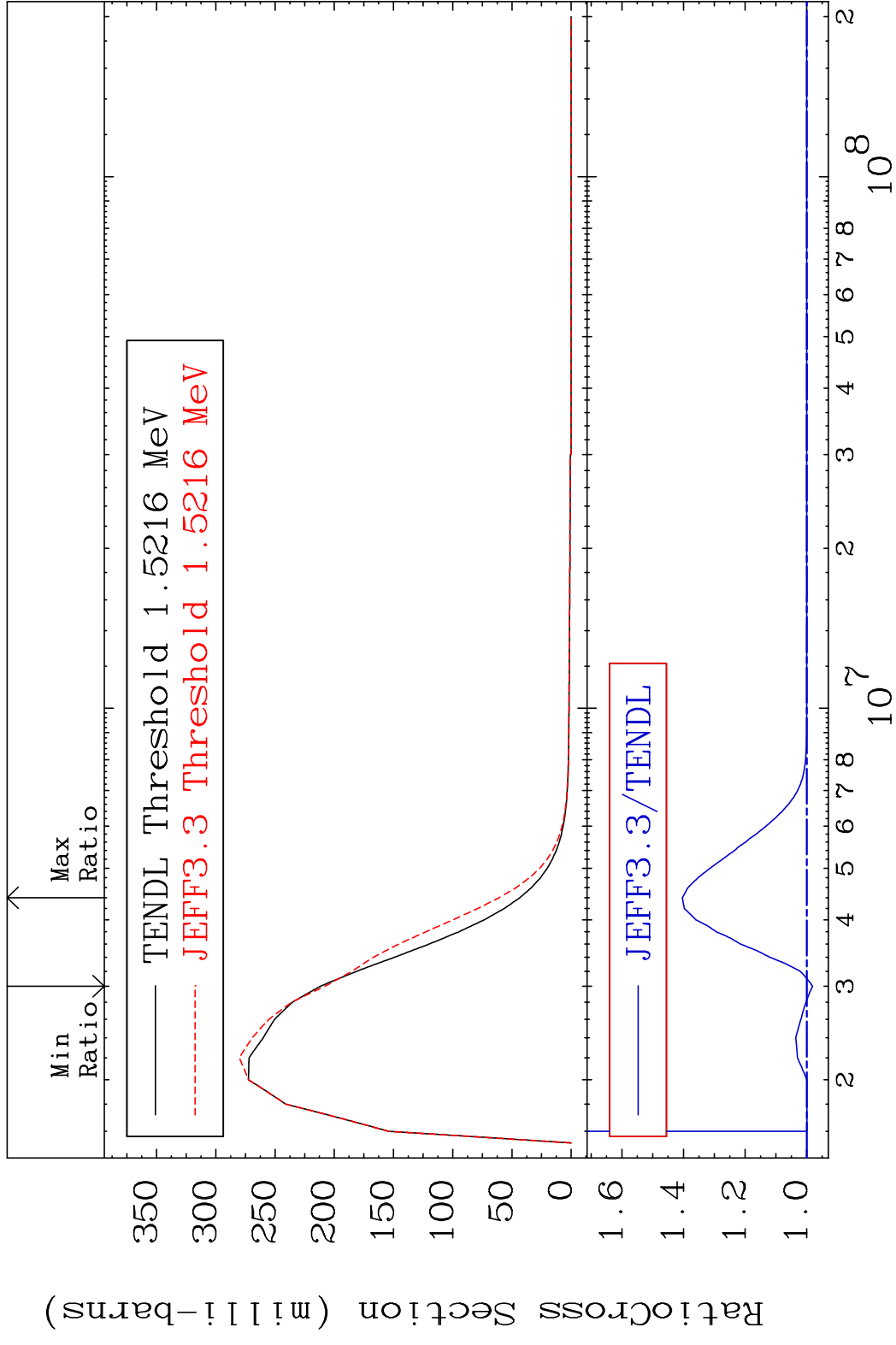


20 Incident Energy (eV) 56-Ba-140

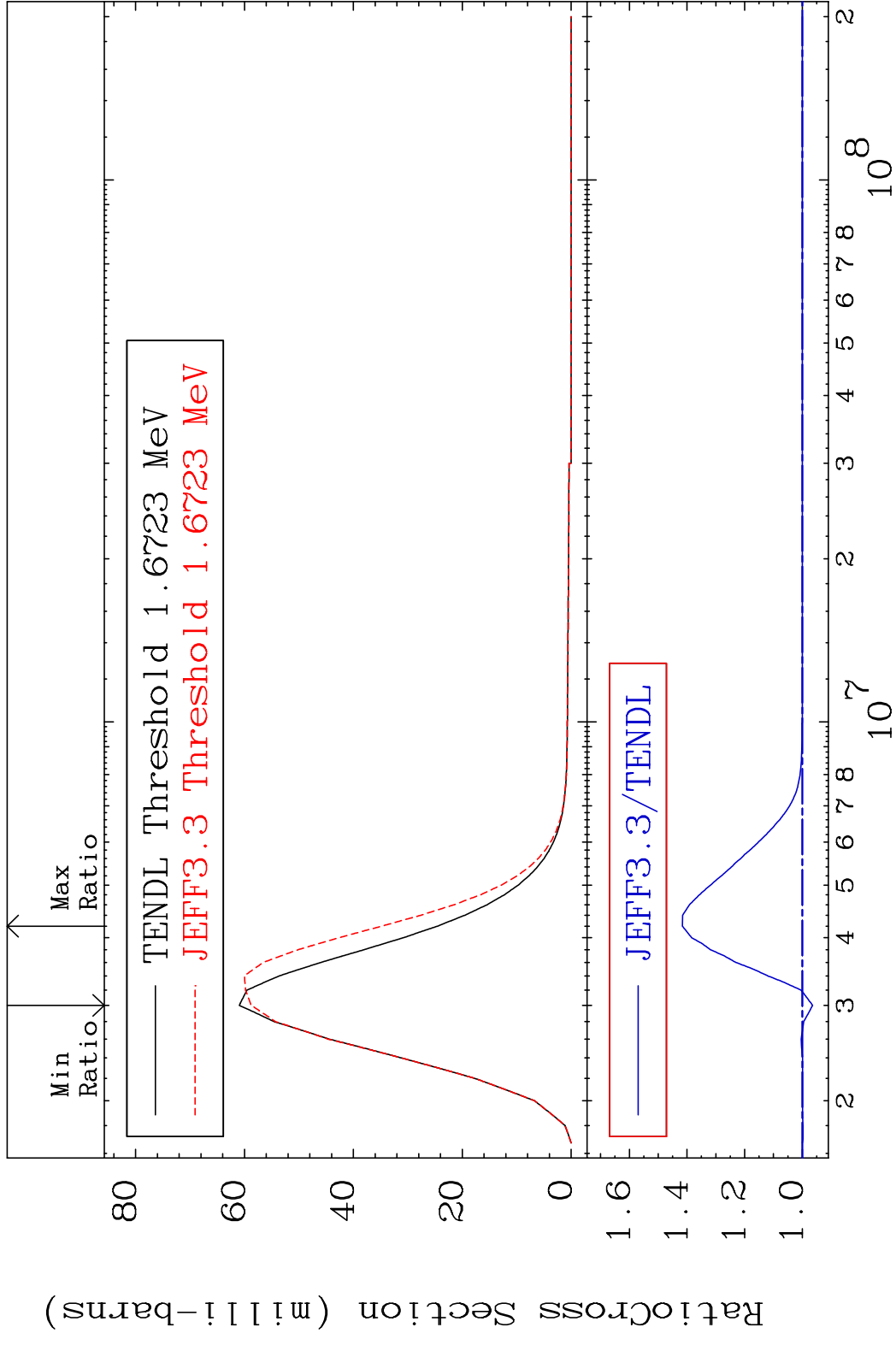
MAT 5655 MT= 52 (n, n') Level 56-Ba-140
 Cross Section -2.455 To 25.21 %



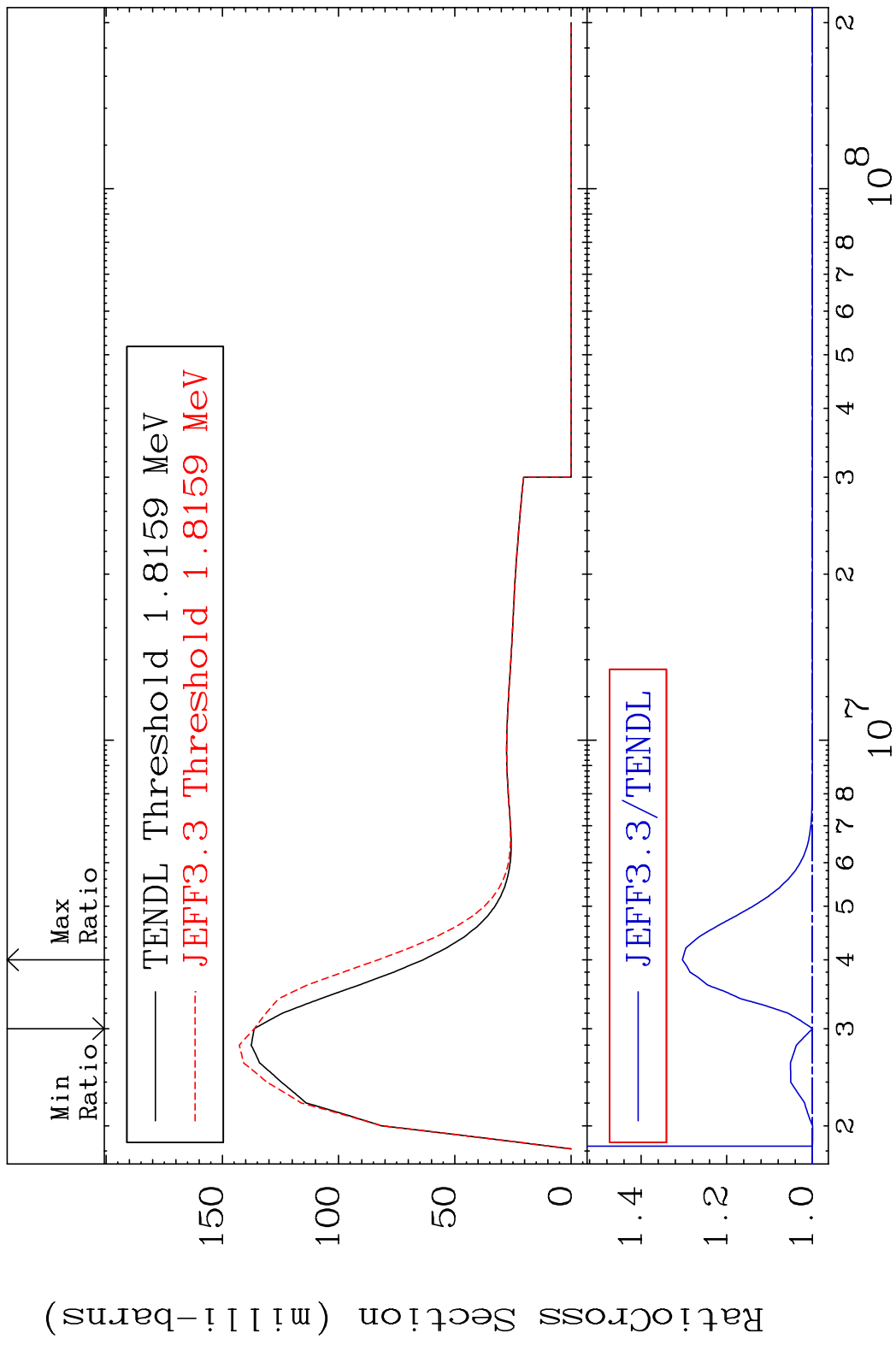
MAT 5655 MT= 53 (n,n') Level 56-Ba-140
 Cross Section -1.871 To 40.38 %



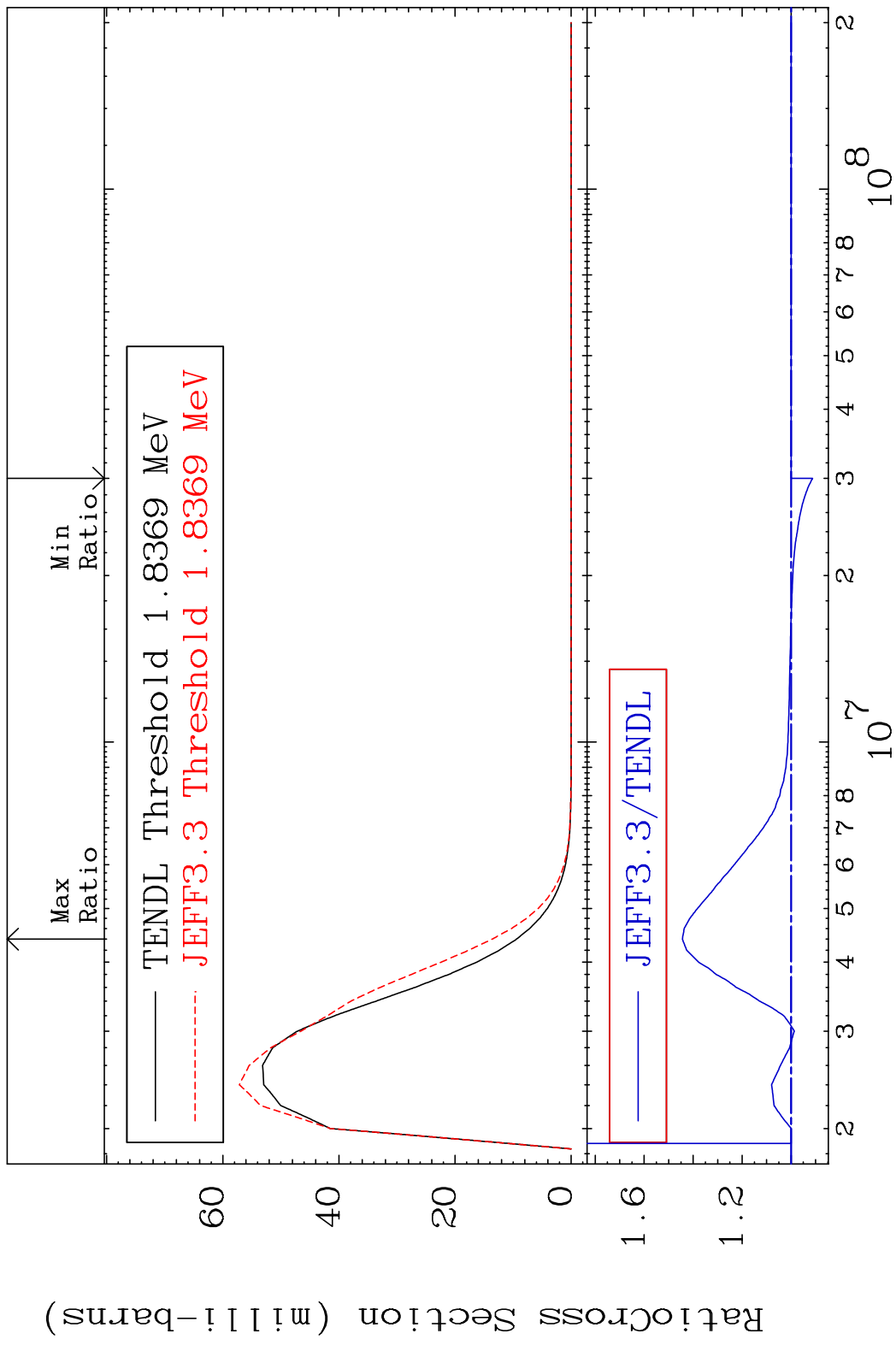
MAT 5655 MT= 54 (n,n') Level 56-Ba-140
 Cross Section -3.559 To 41.62 %



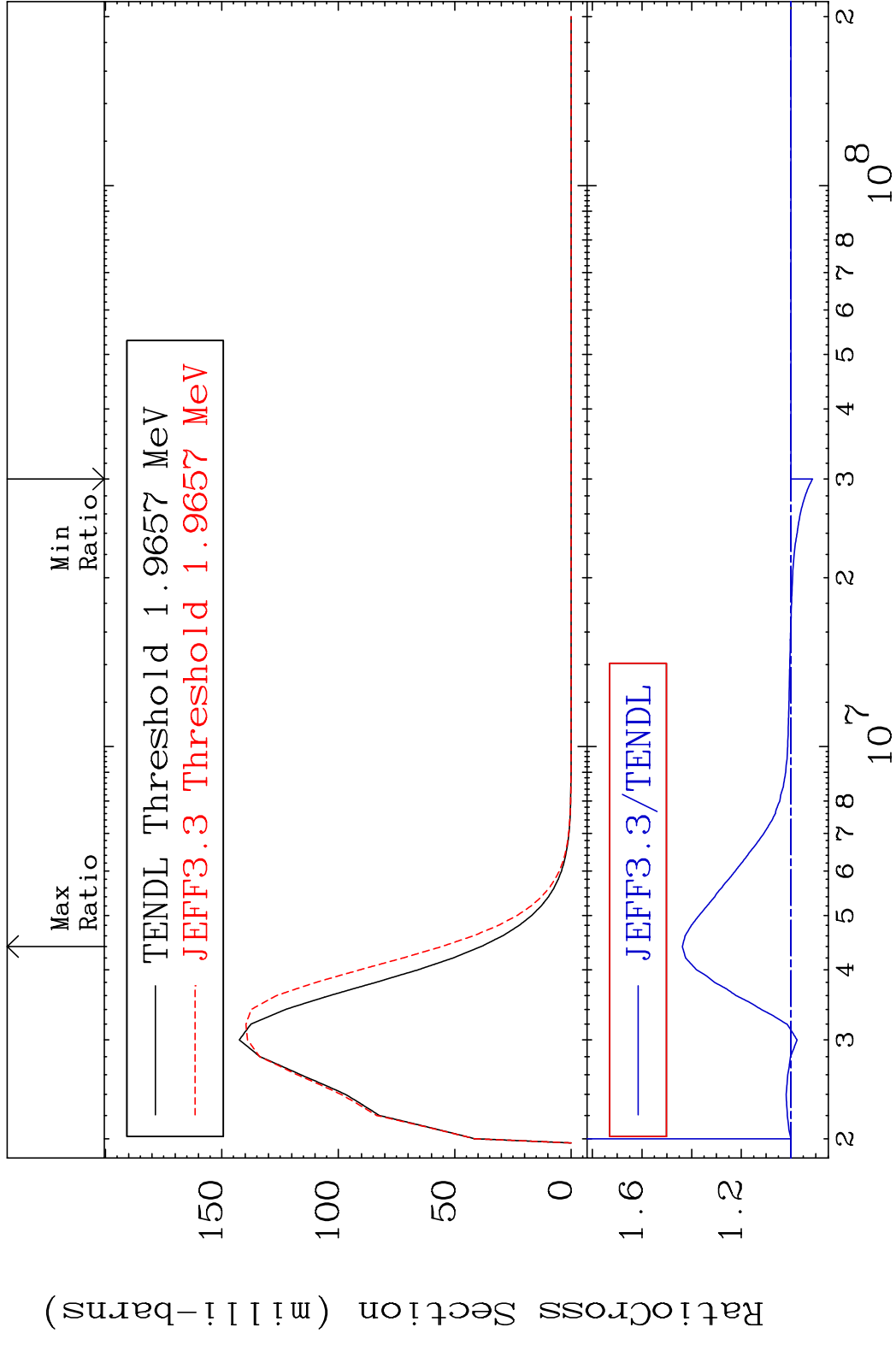
MAT 5655 MT= 55 (n,n') Level 56-Ba-140
 Cross Section -0.048 To 30.36 %



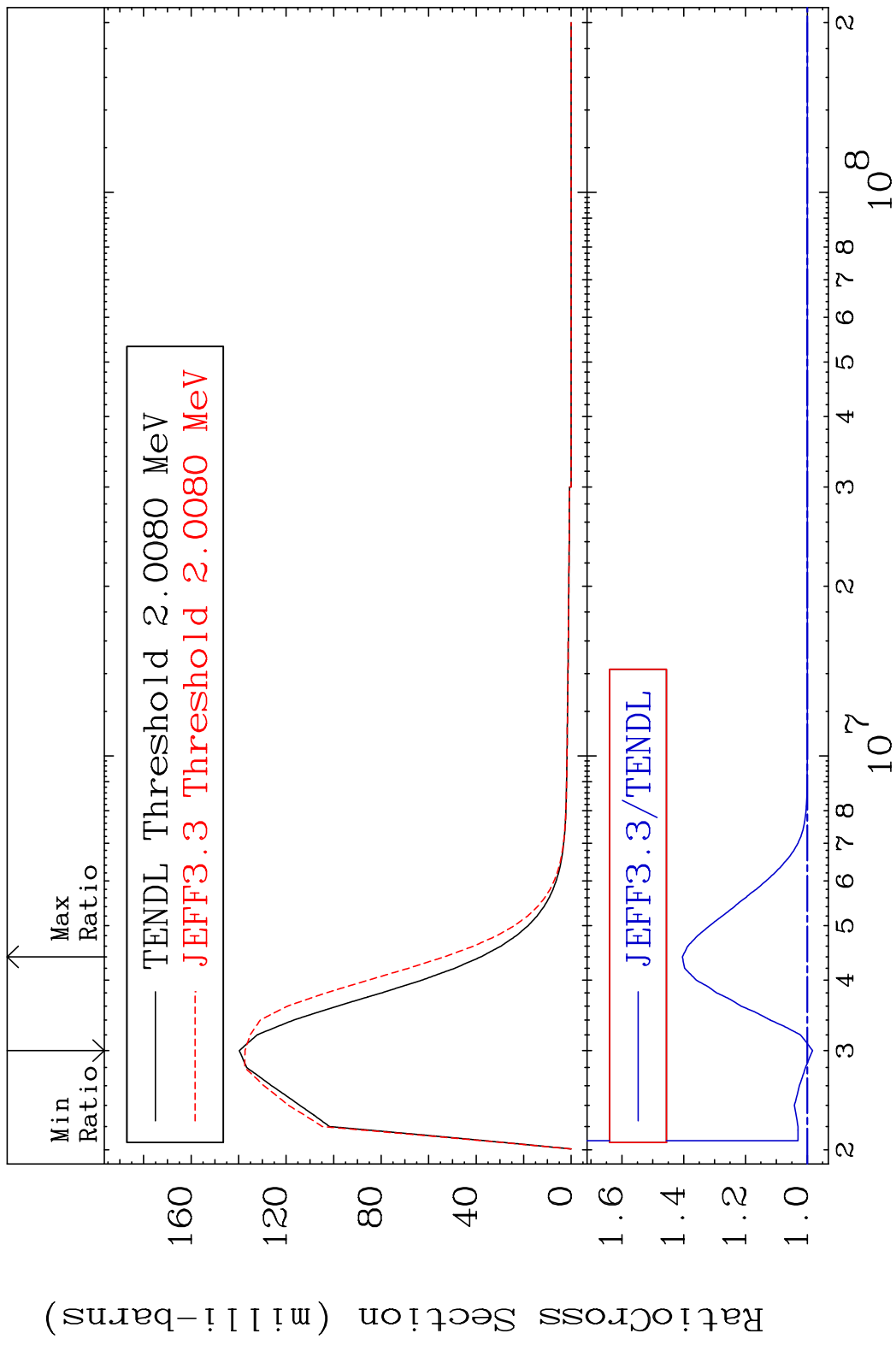
MAT 5655 MT= 56 (n,n') Level 56-Ba-140
 Cross Section -8.754 To 44.41 %



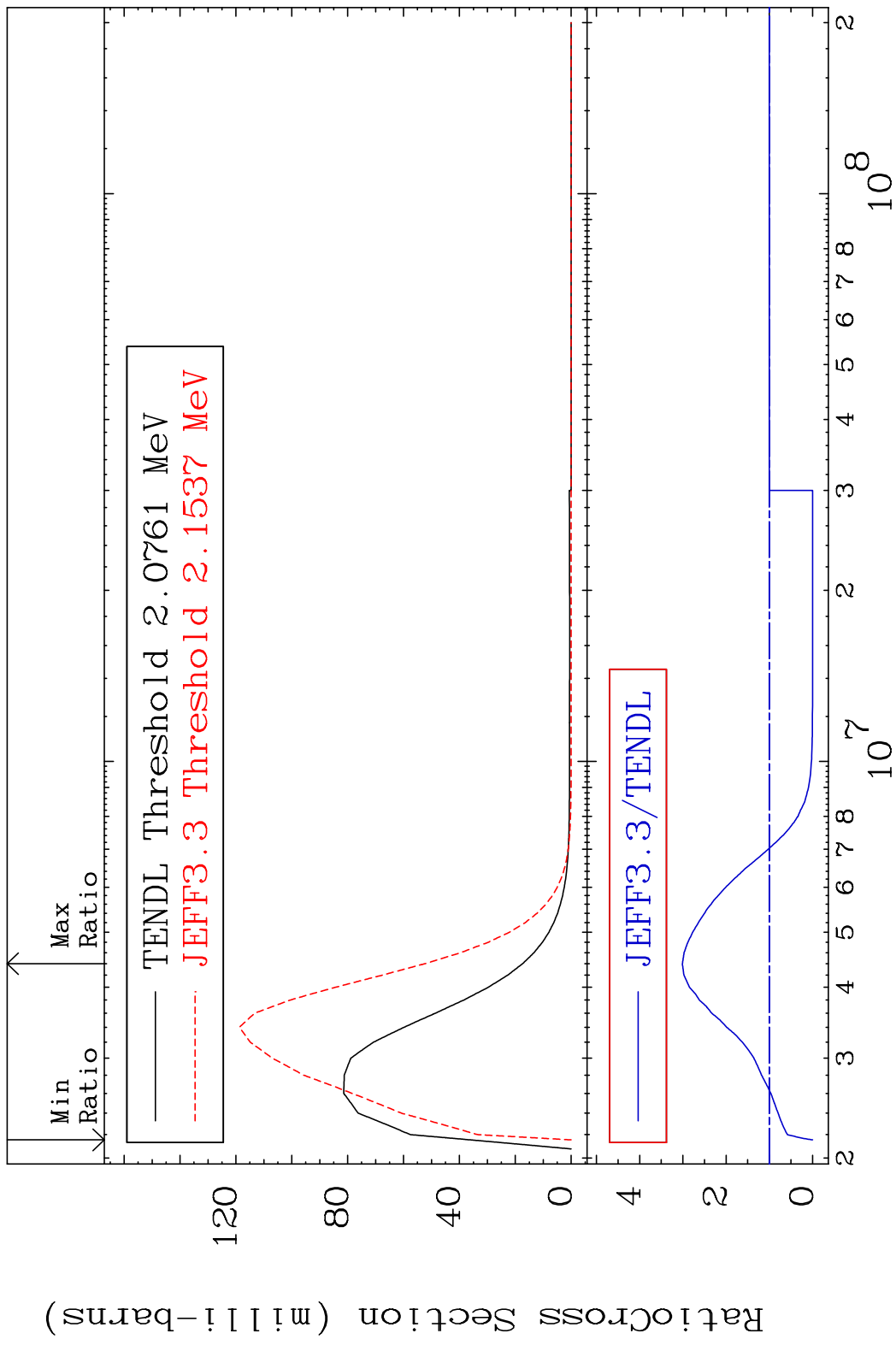
MAT 5655 MT= 57 (n, n') Level 56-Ba-140
 Cross Section -8.738 To 43.74 %



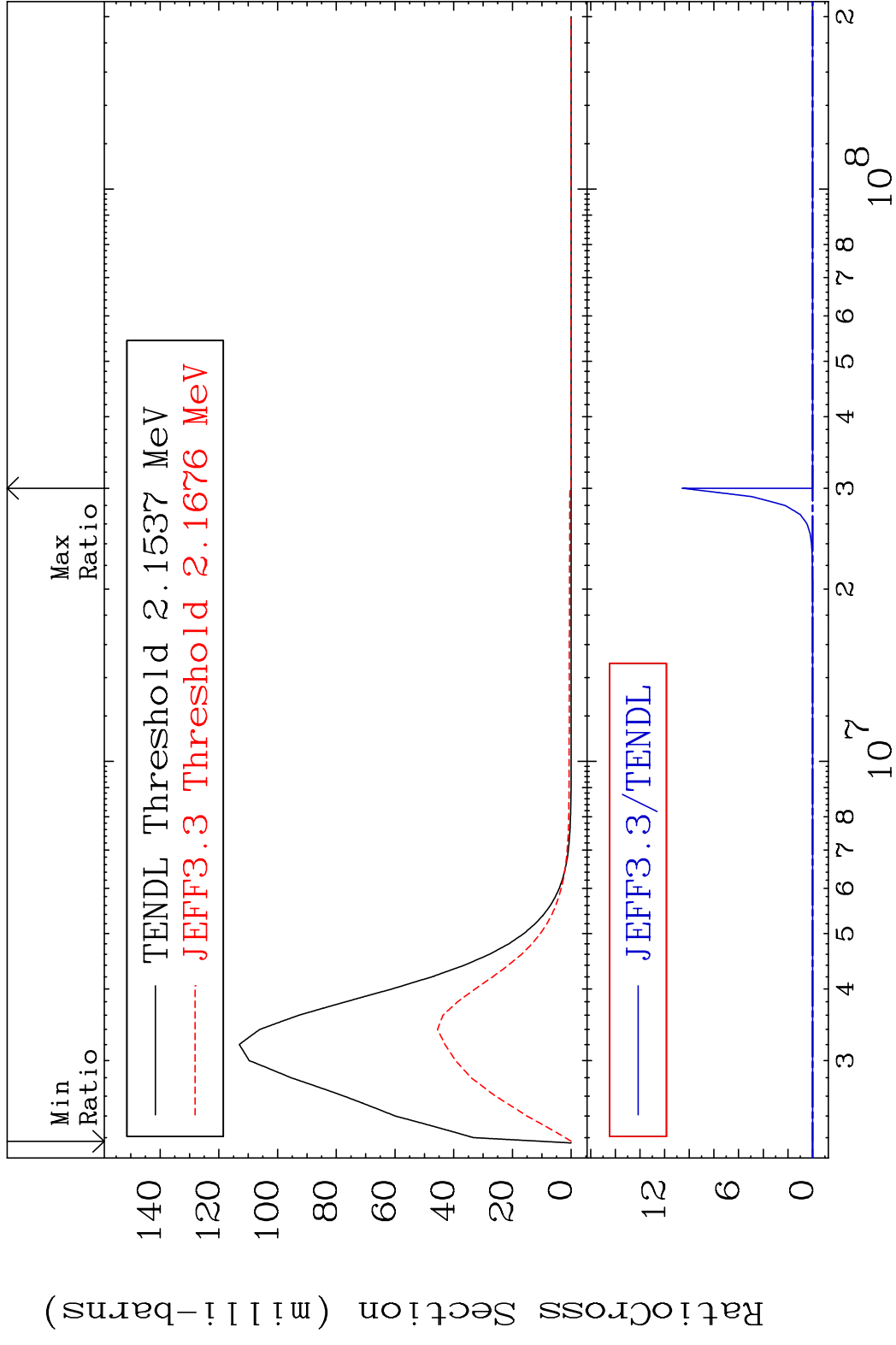
MAT 5655 MT= 58 (n,n') Level 56-Ba-140
 Cross Section -1.706 To 40.44 %



MAT 5655 MT= 59 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 201.2 %

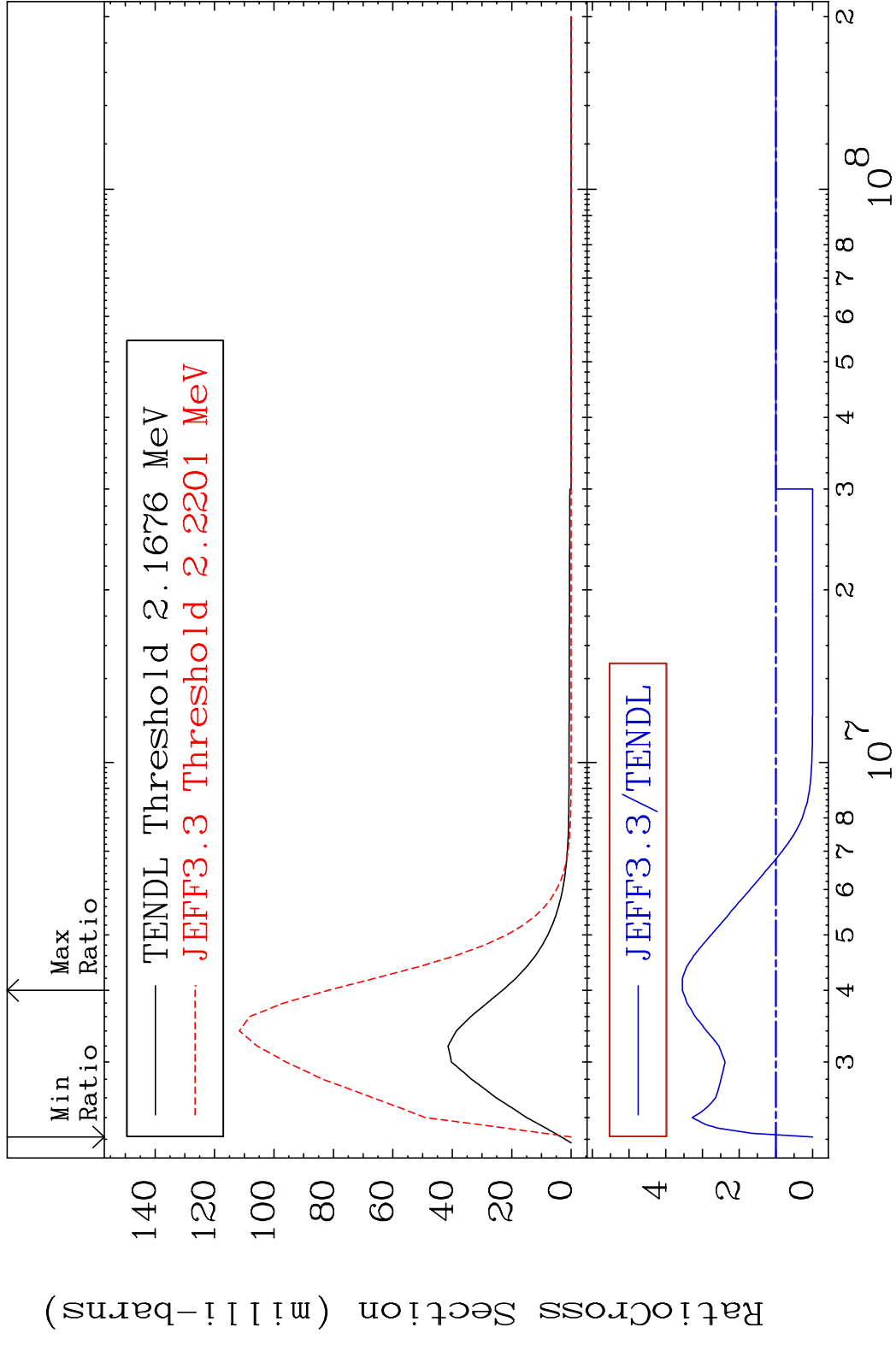


MAT 5655 MT= 60 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %



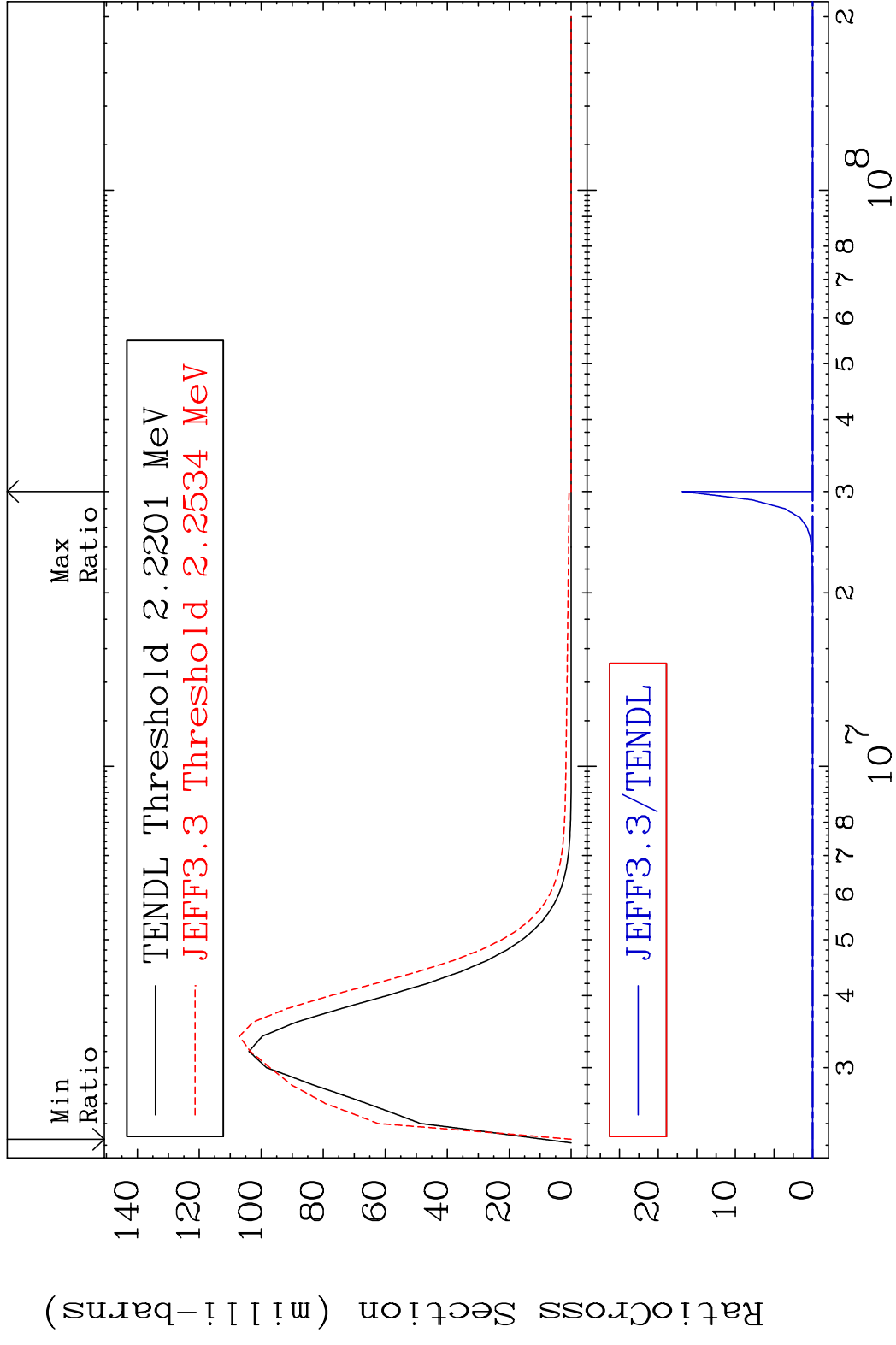
29 Incident Energy (eV) 56-Ba-140

MAT 5655 MT= 61 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 254.5 %



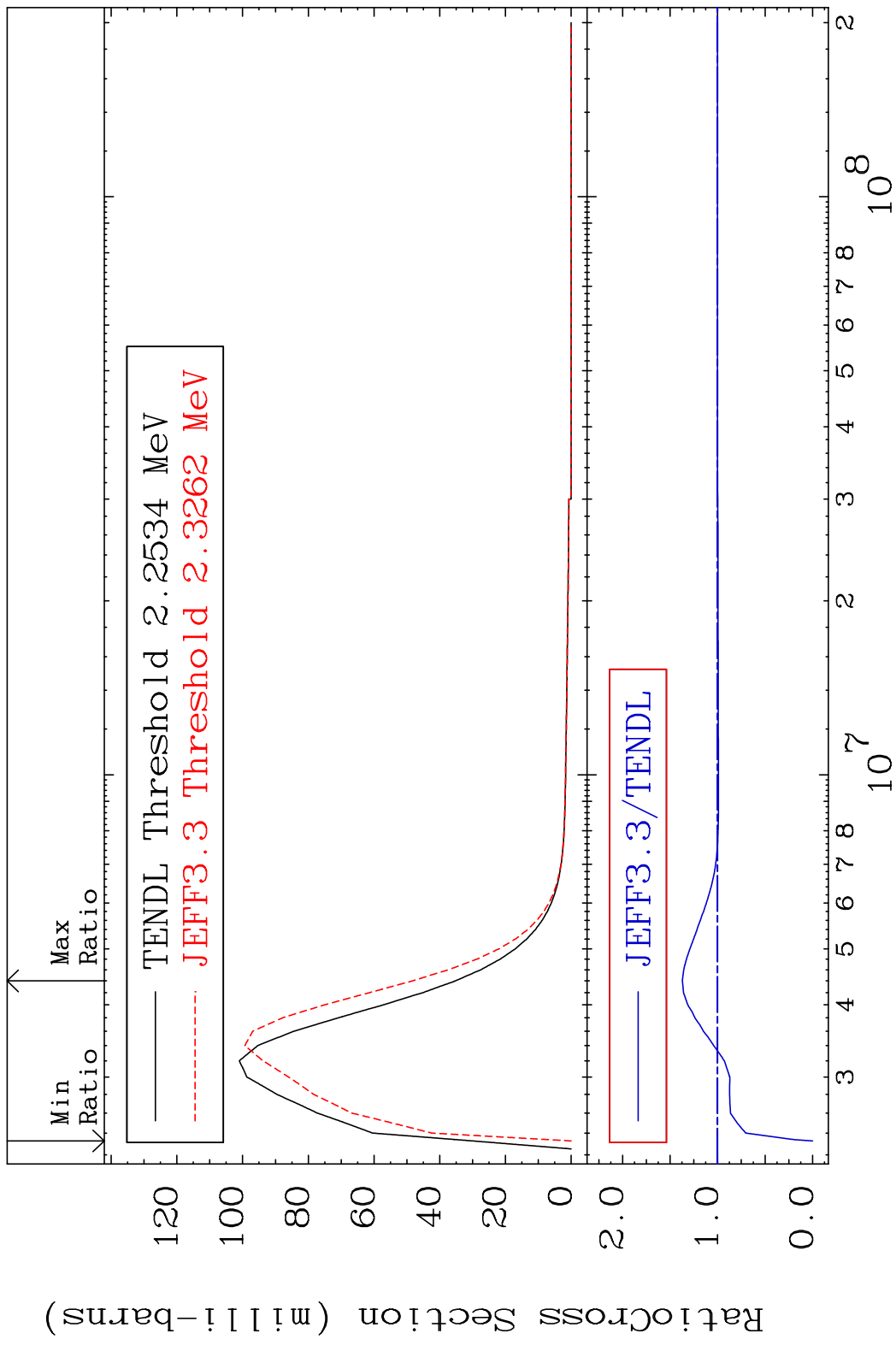
30 Incident Energy (eV) 56-Ba-140

MAT 5655 MT= 62 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %

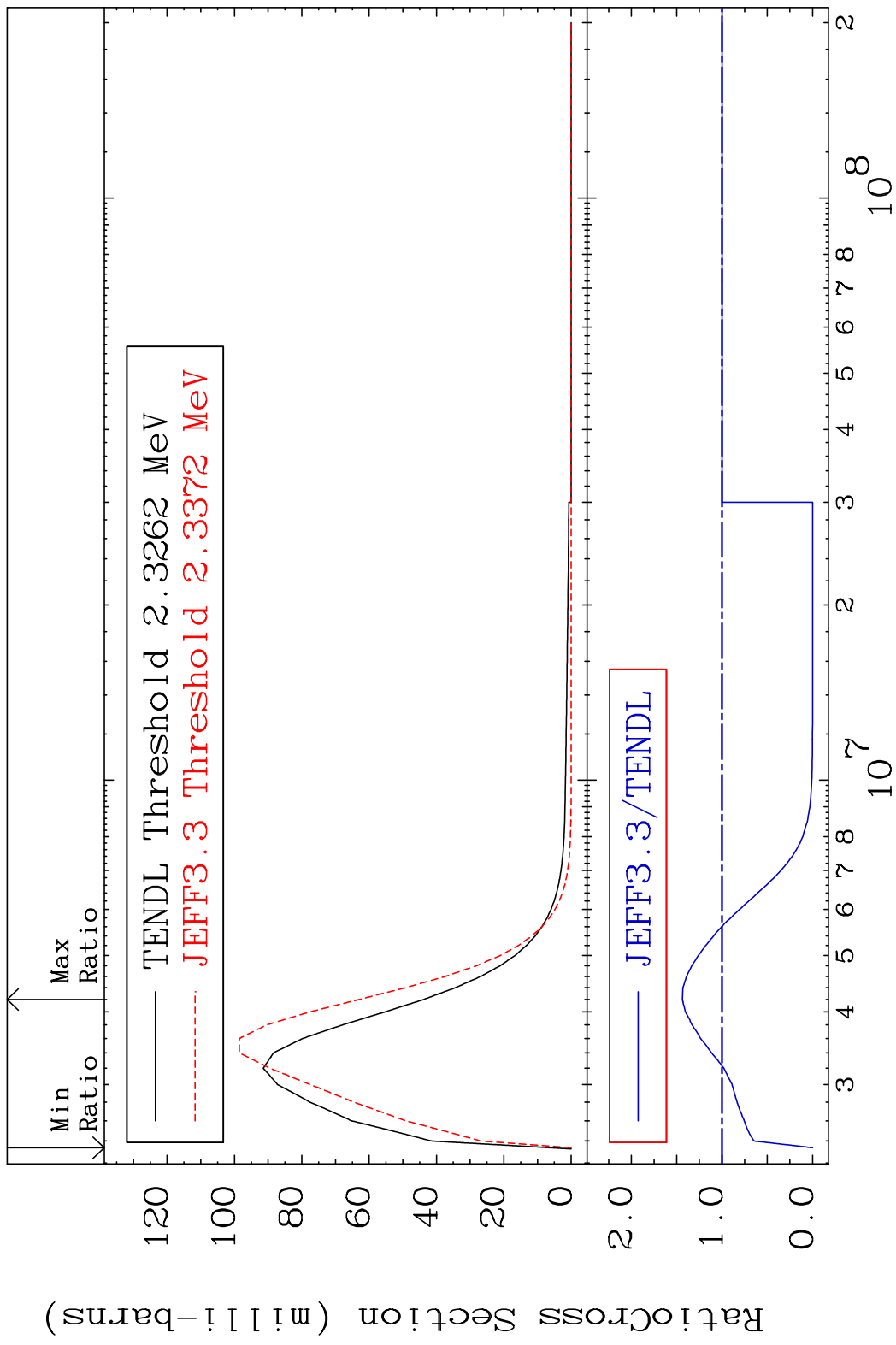


31 Incident Energy (eV) 56-Ba-140

MAT 5655 MT= 63 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 37.12 %

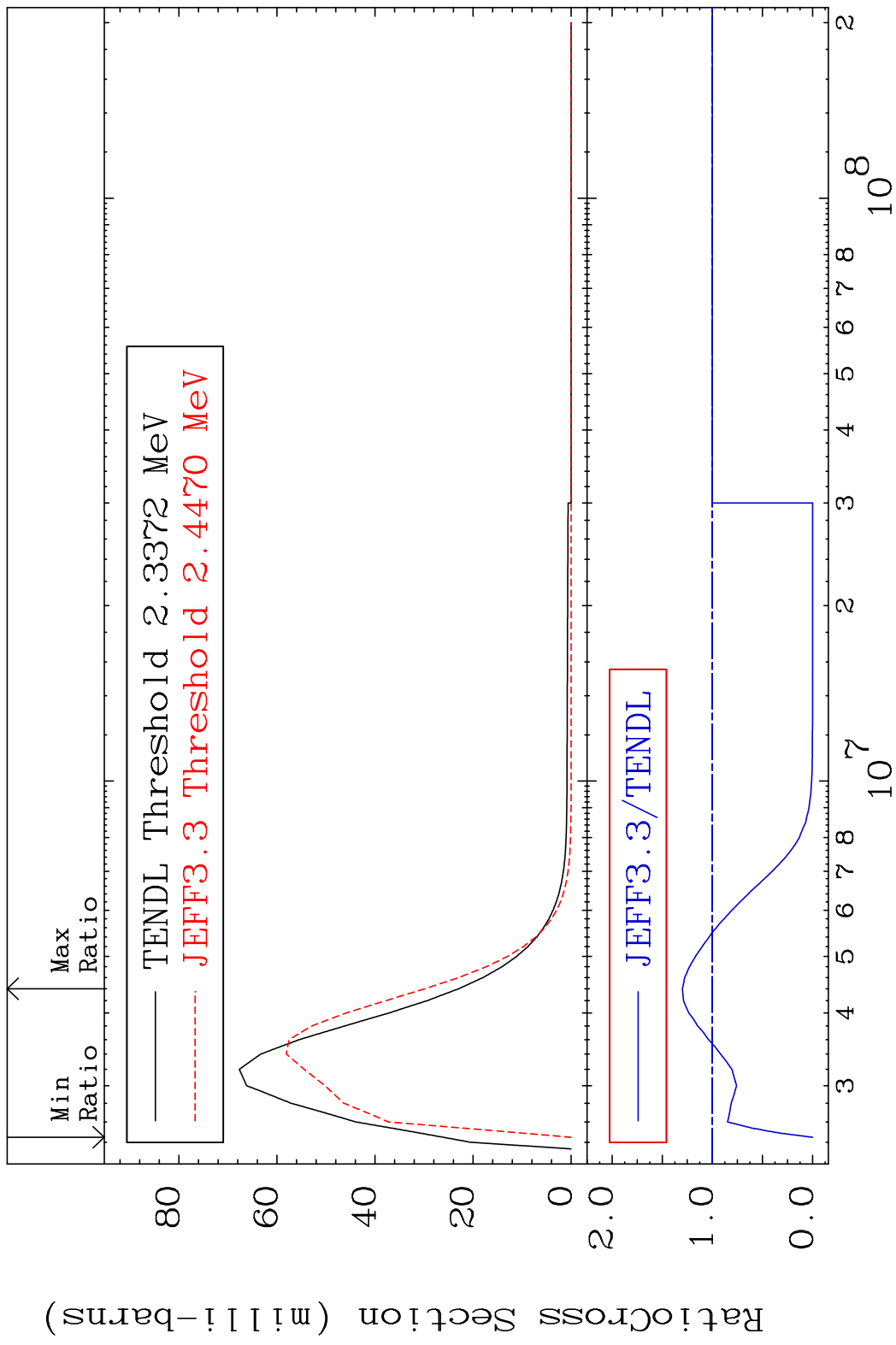


MAT 5655 MT= 64 (n,n') Level 56-Ba-140
 Cross Section -100.0 To 43.72 %

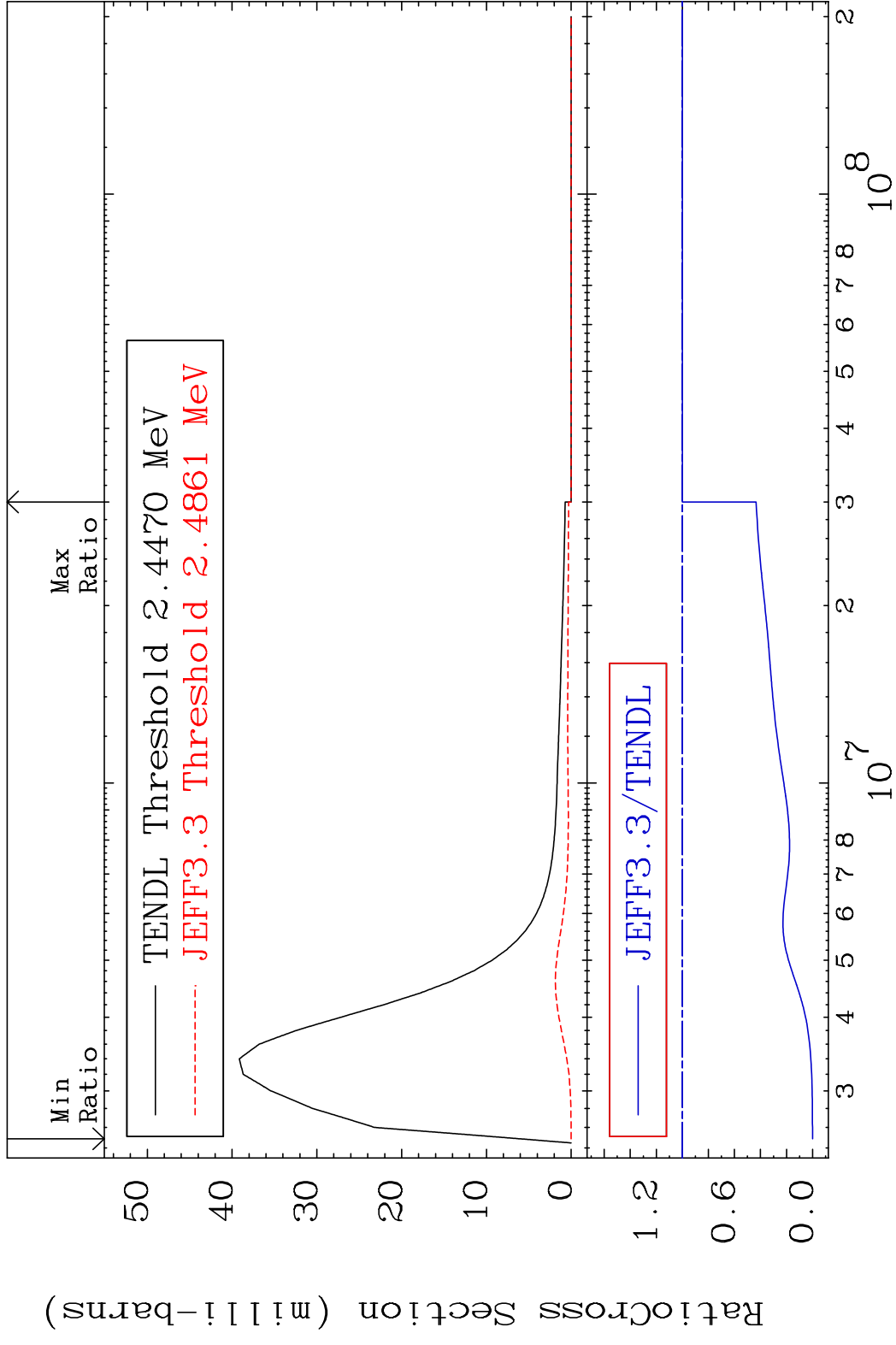


33 Incident Energy (eV) 56-Ba-140

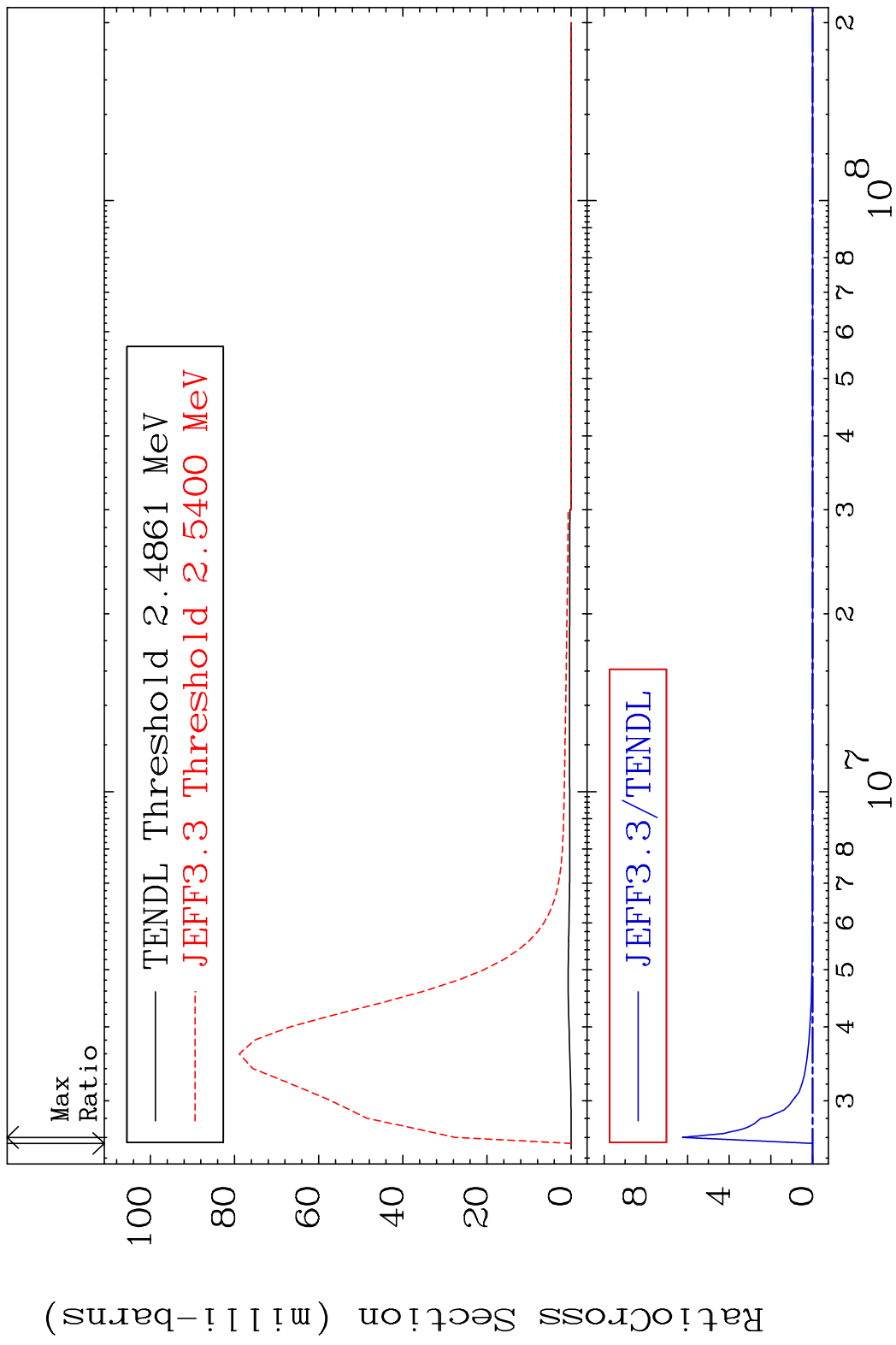
MAT 5655 MT= 65 (n,n') Level 56-Ba-140
 Cross Section -100.0 To 29.92 %



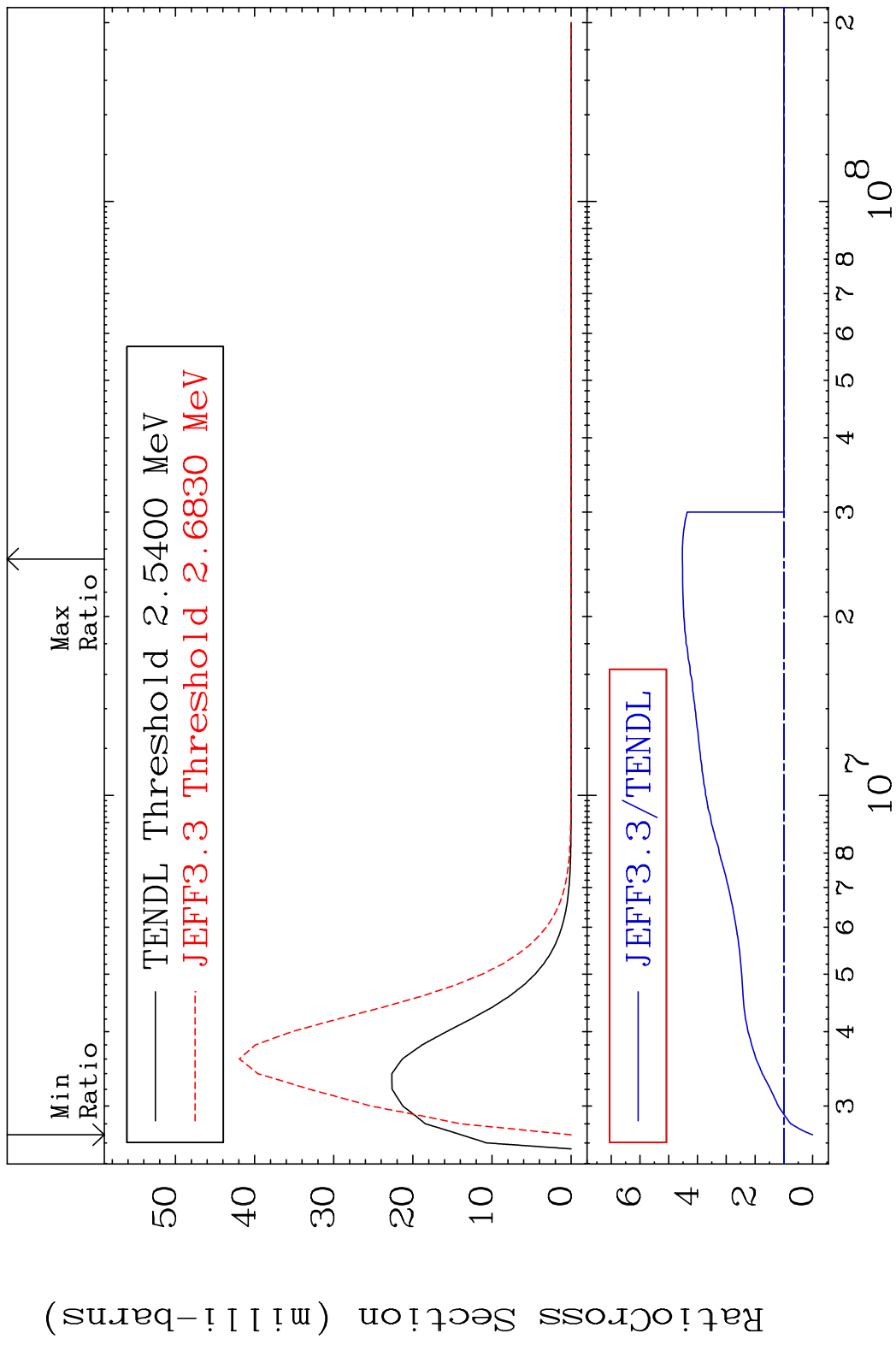
MAT 5655 MT= 66 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 0.000 %



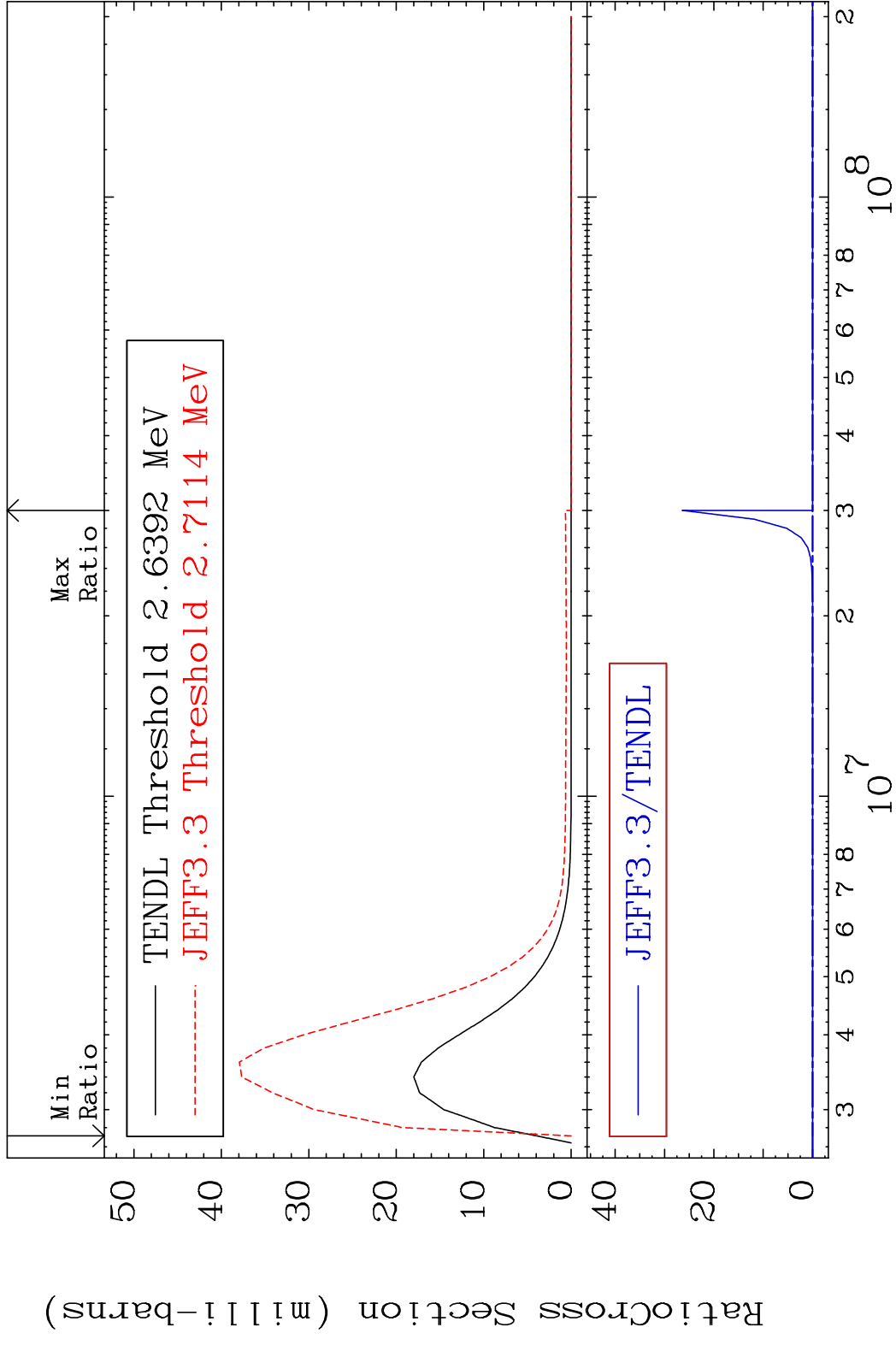
MAT 5655 MT= 67 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %



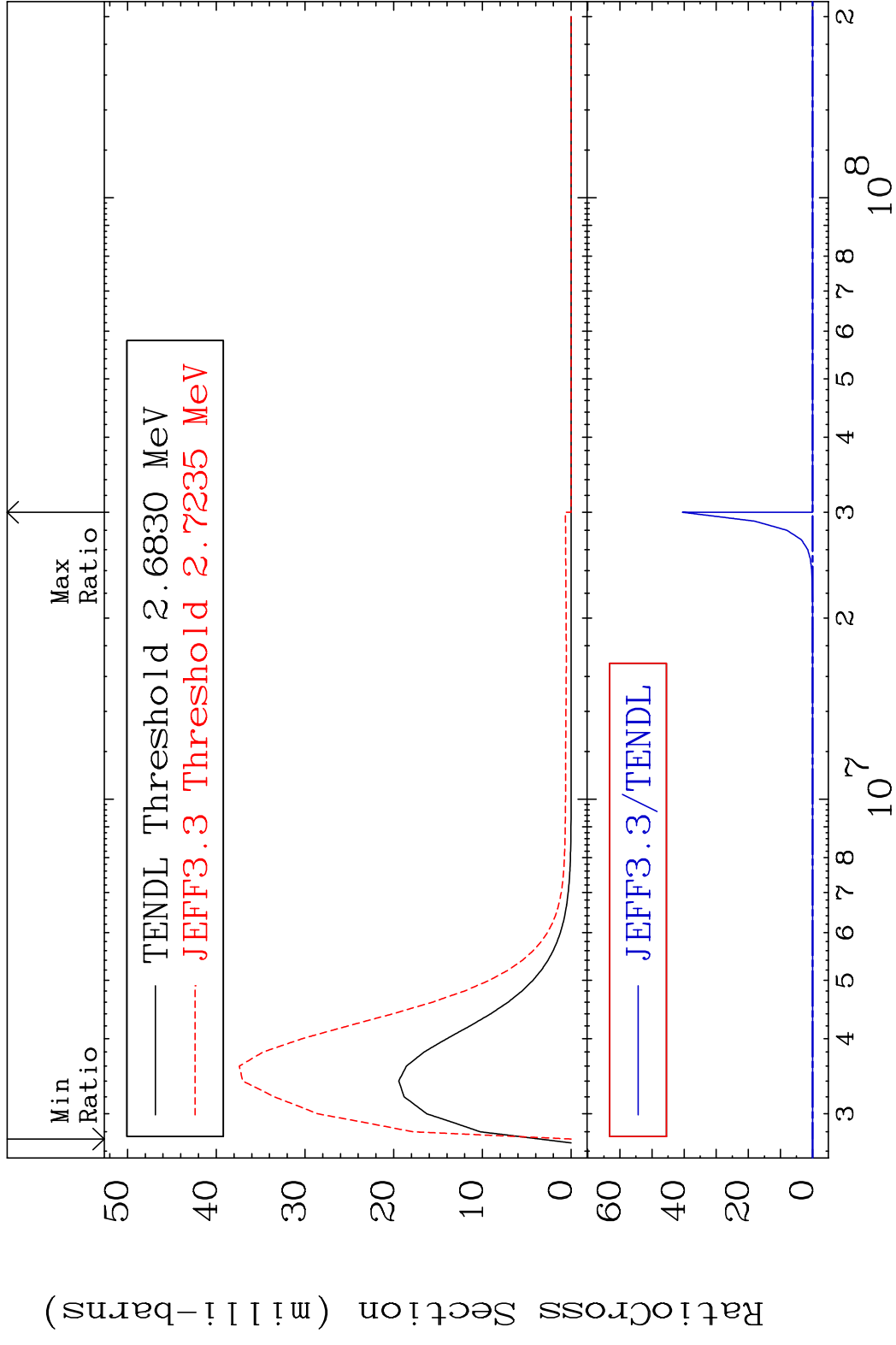
MAT 5655 MT= 68 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 352.6 %



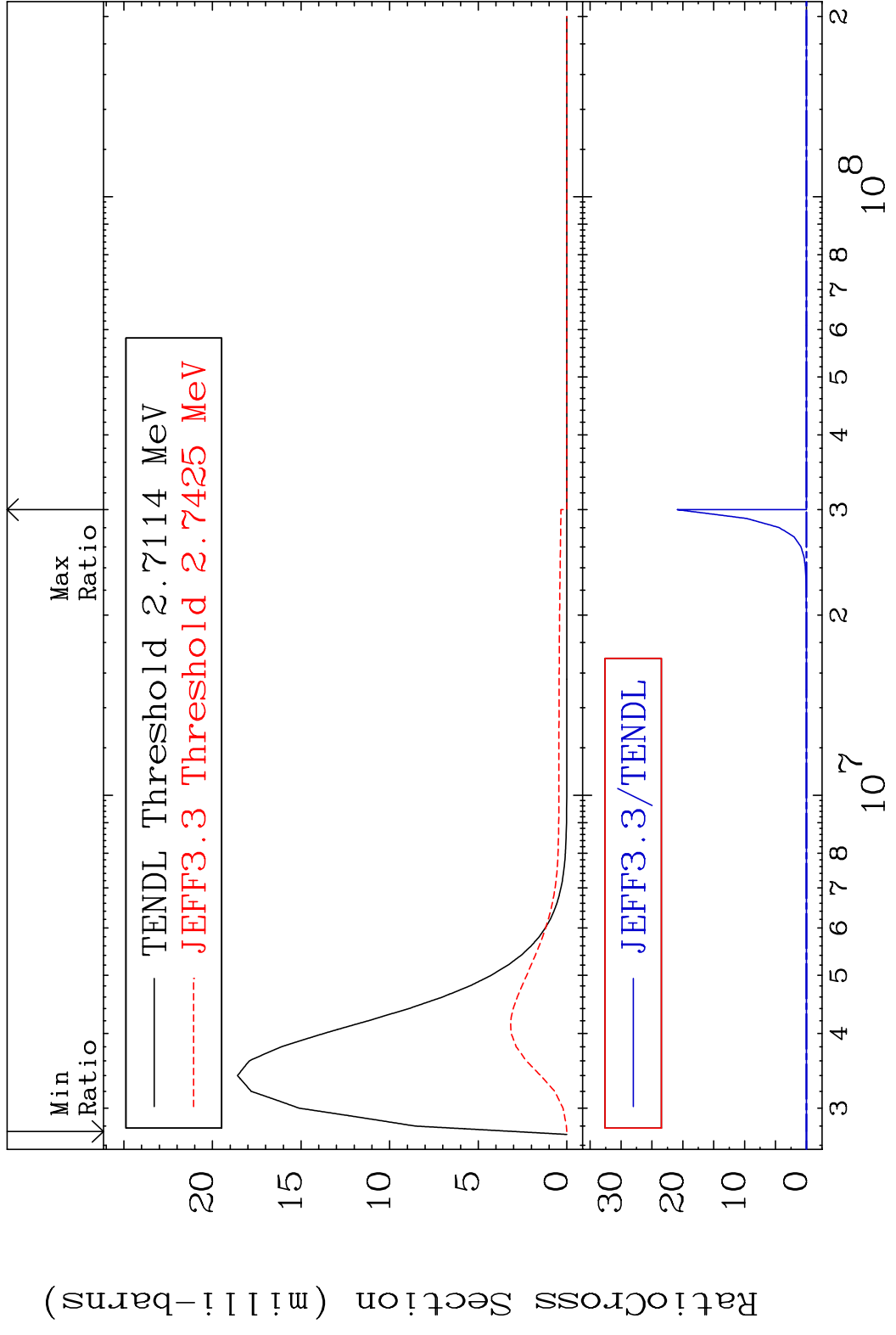
MAT 5655 MT= 69 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %



MAT 5655 MT= 70 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %

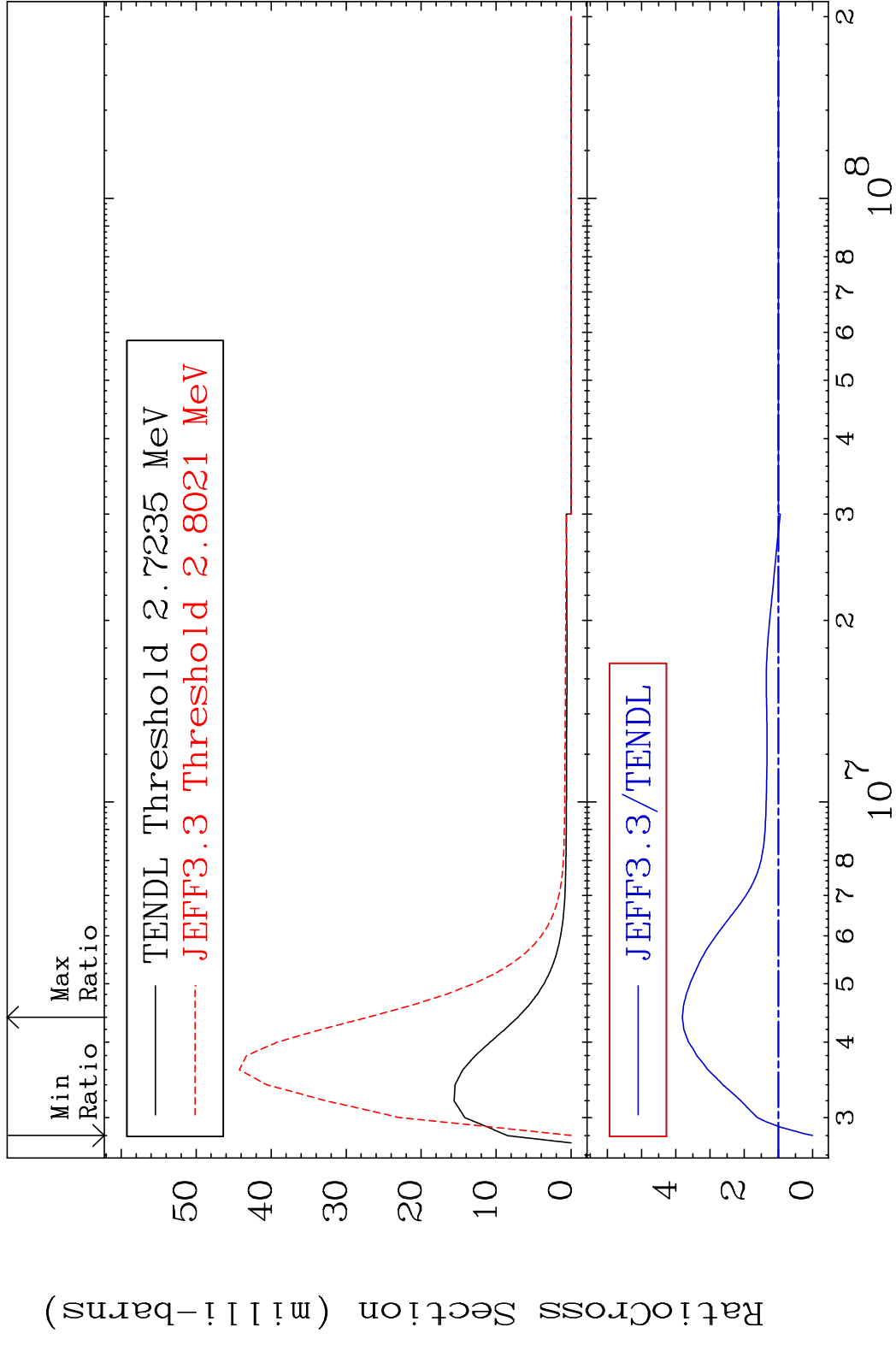


MAT 5655 MT= 71 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %

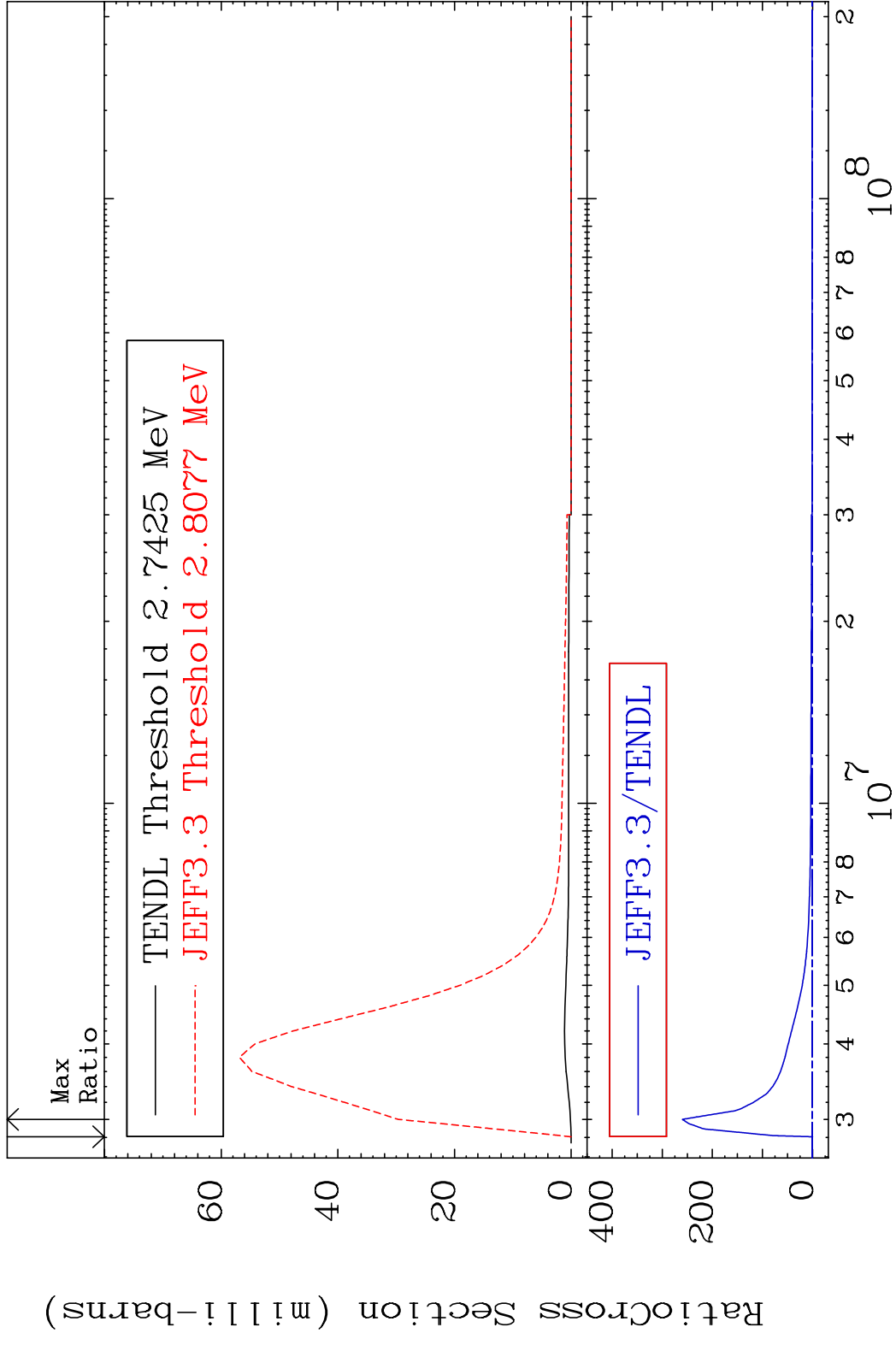


40 Incident Energy (eV) 56-Ba-140

MAT 5655 MT= 72 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 280.8 %

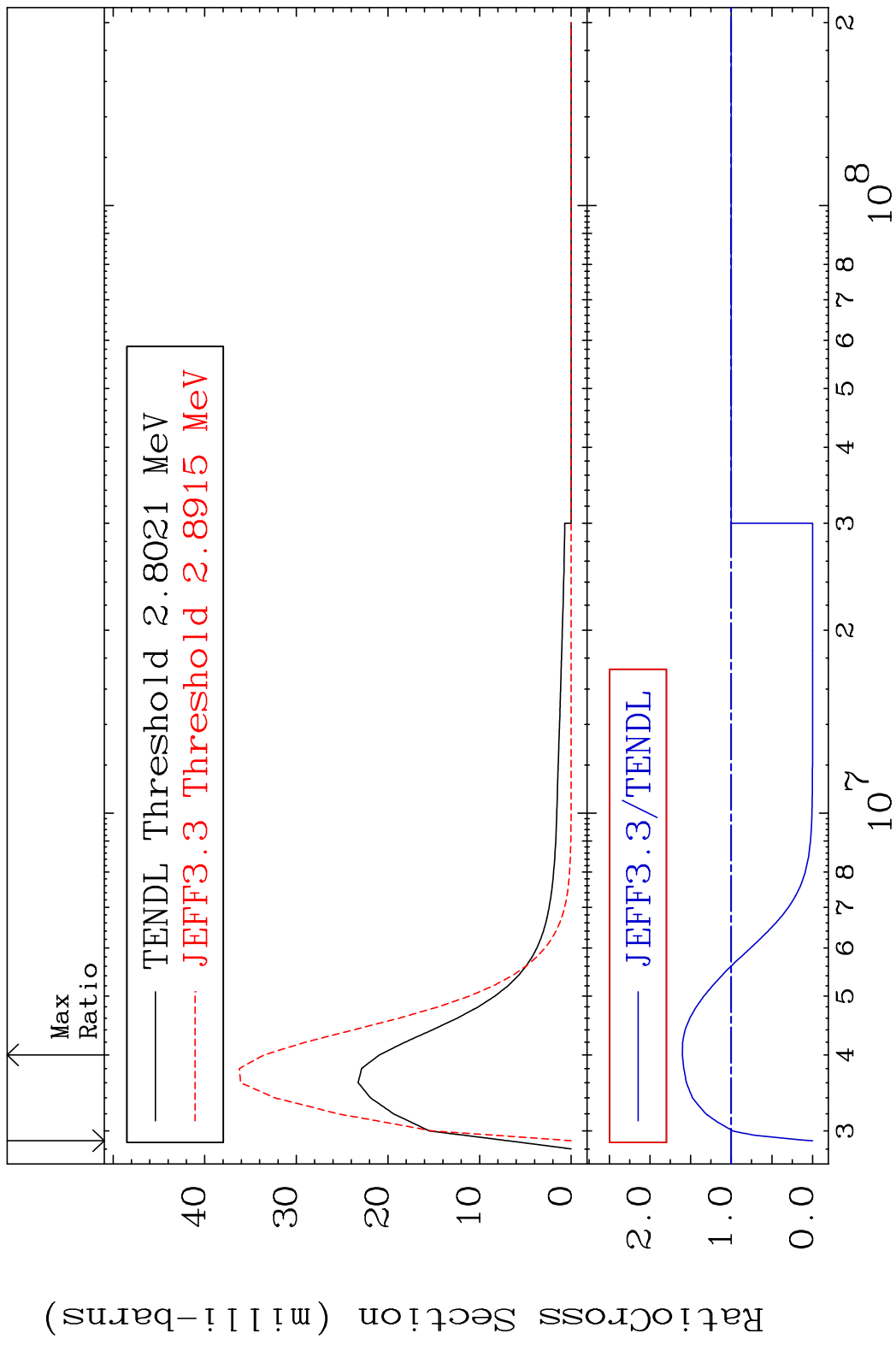


MAT 5655 MT= 73 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %



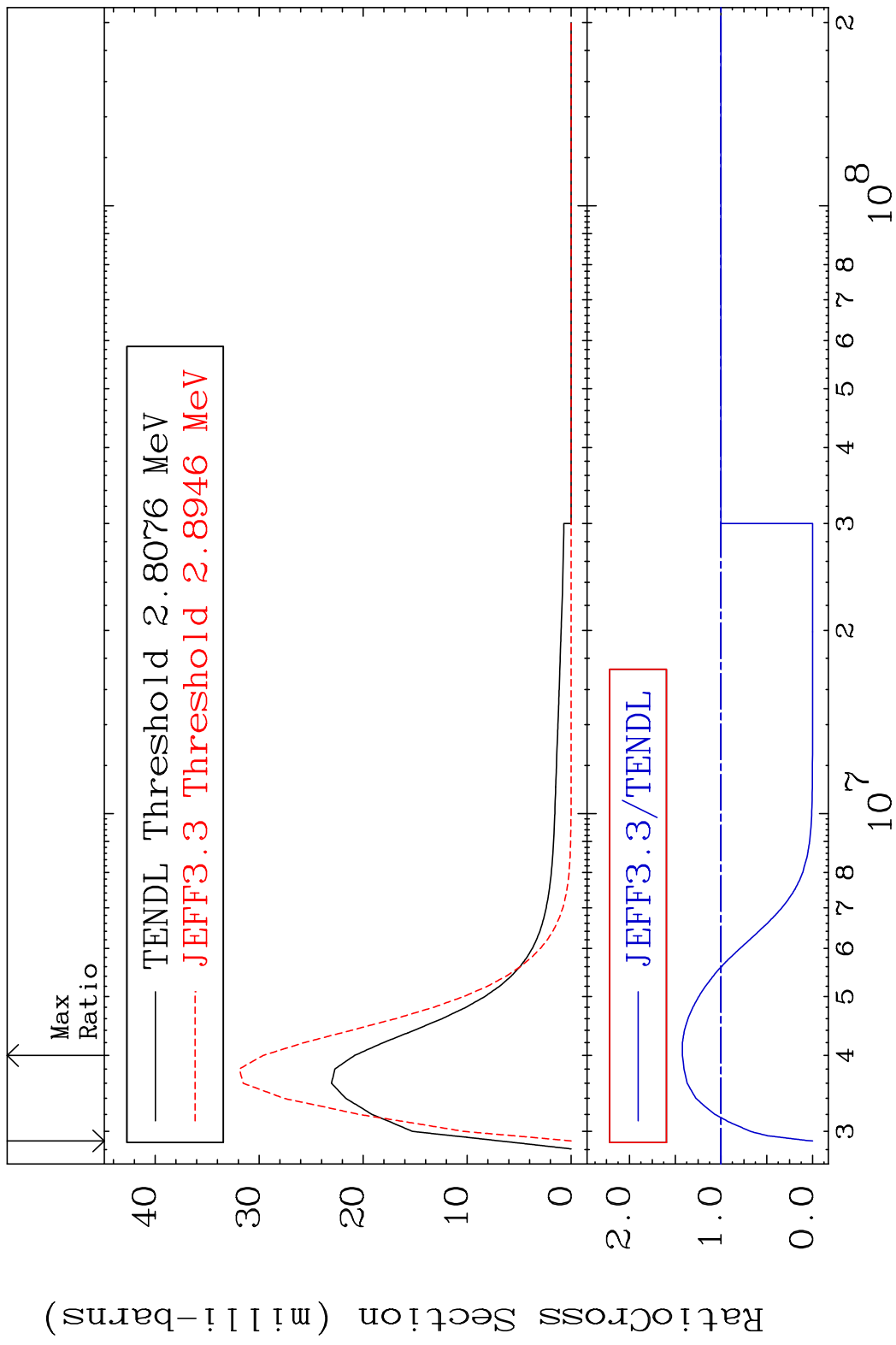
42 Incident Energy (eV) 56-Ba-140

MAT 5655 MT= 74 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 60.17 %

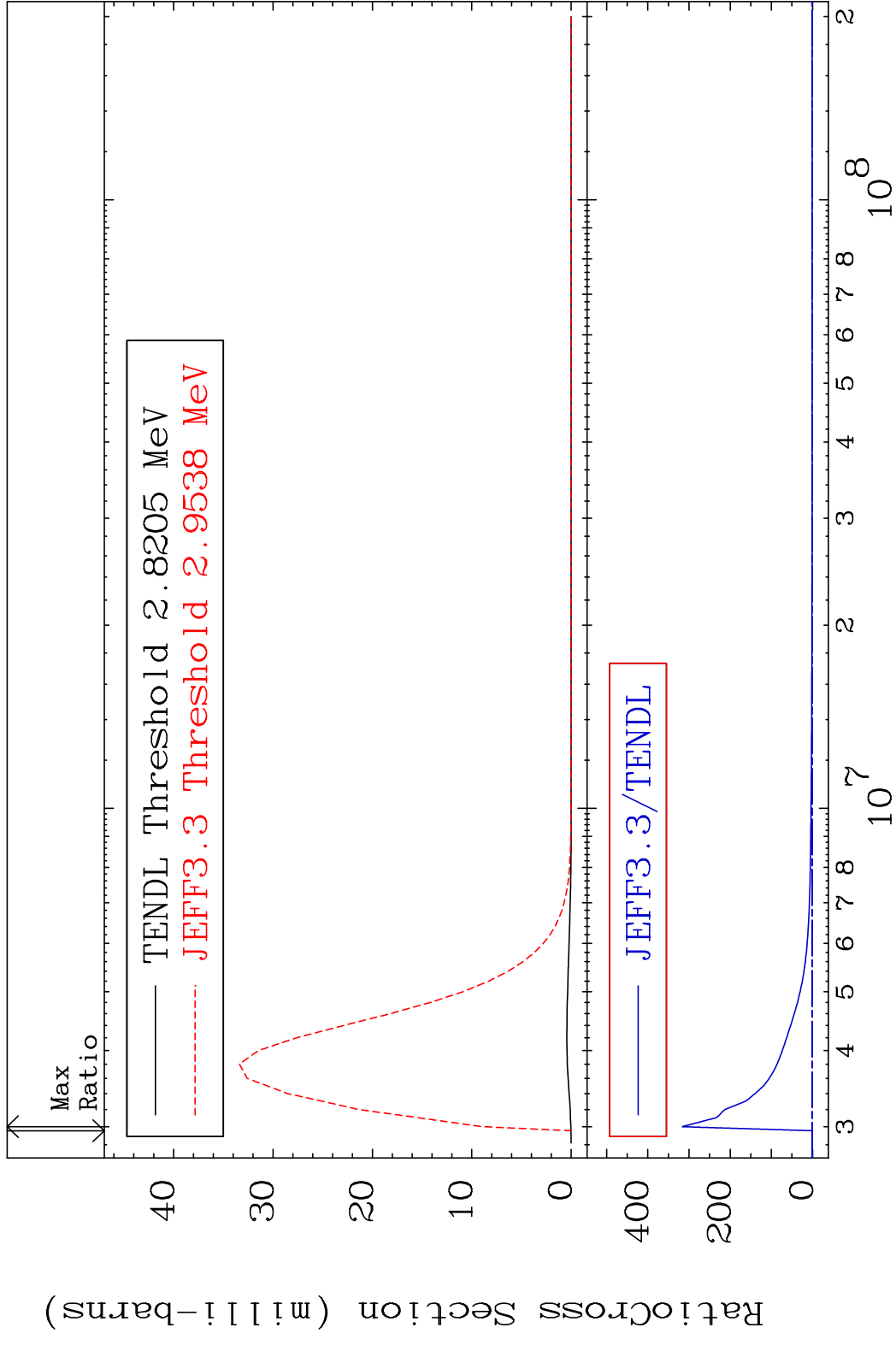


43 Incident Energy (eV) 56-Ba-140

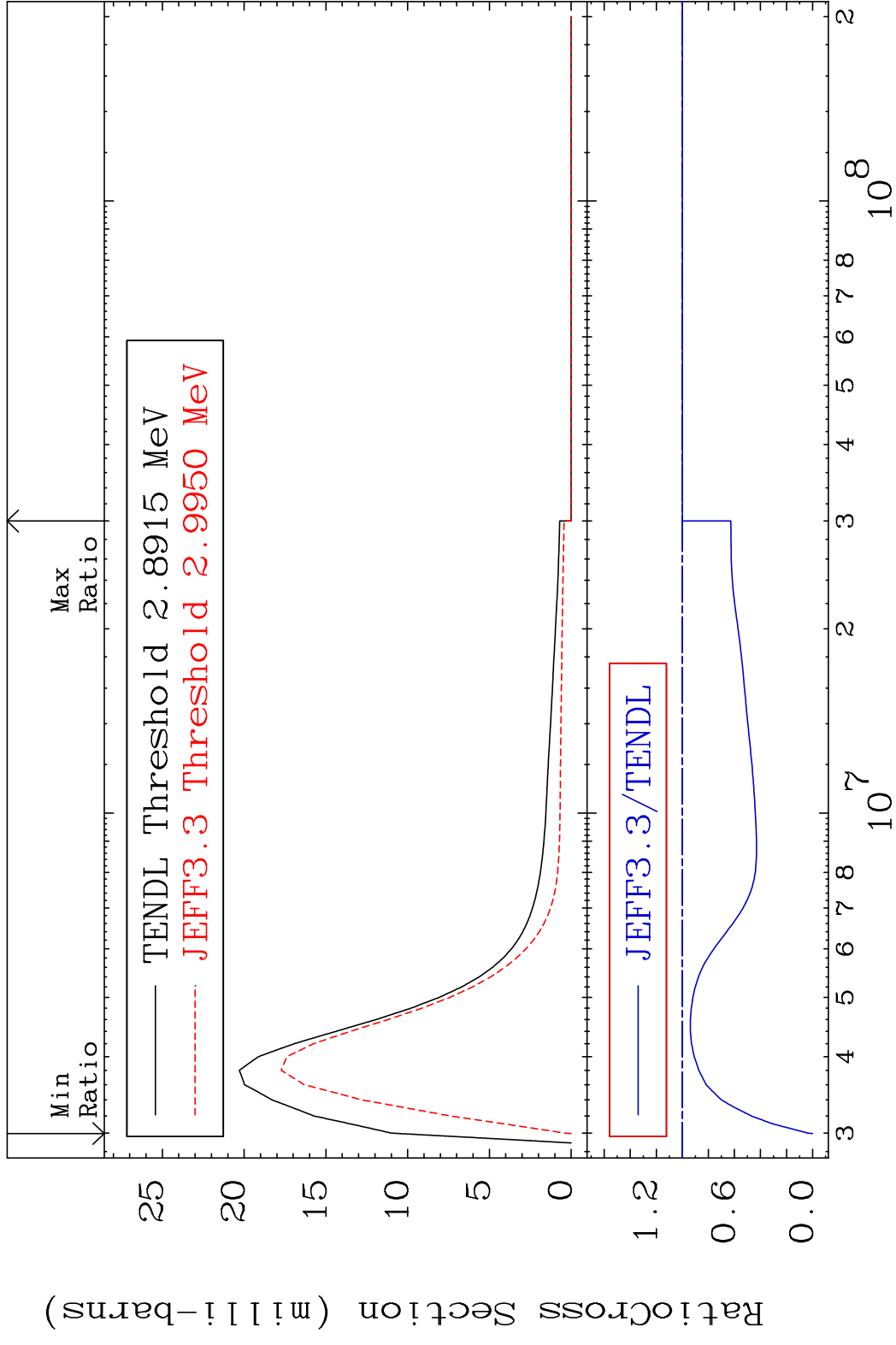
MAT 5655 MT= 75 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 42.20 %



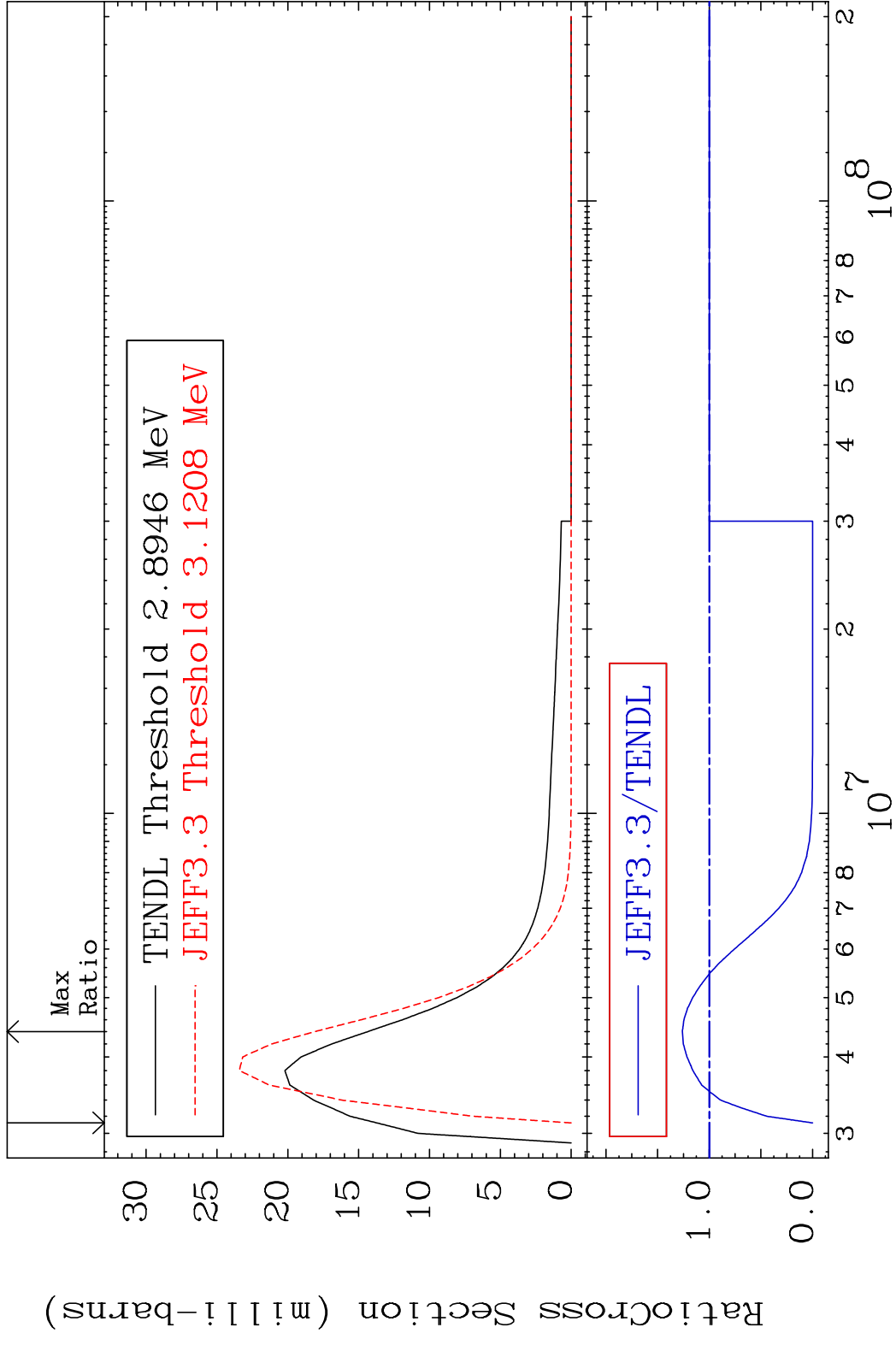
MAT 5655 MT= 76 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 9999. %



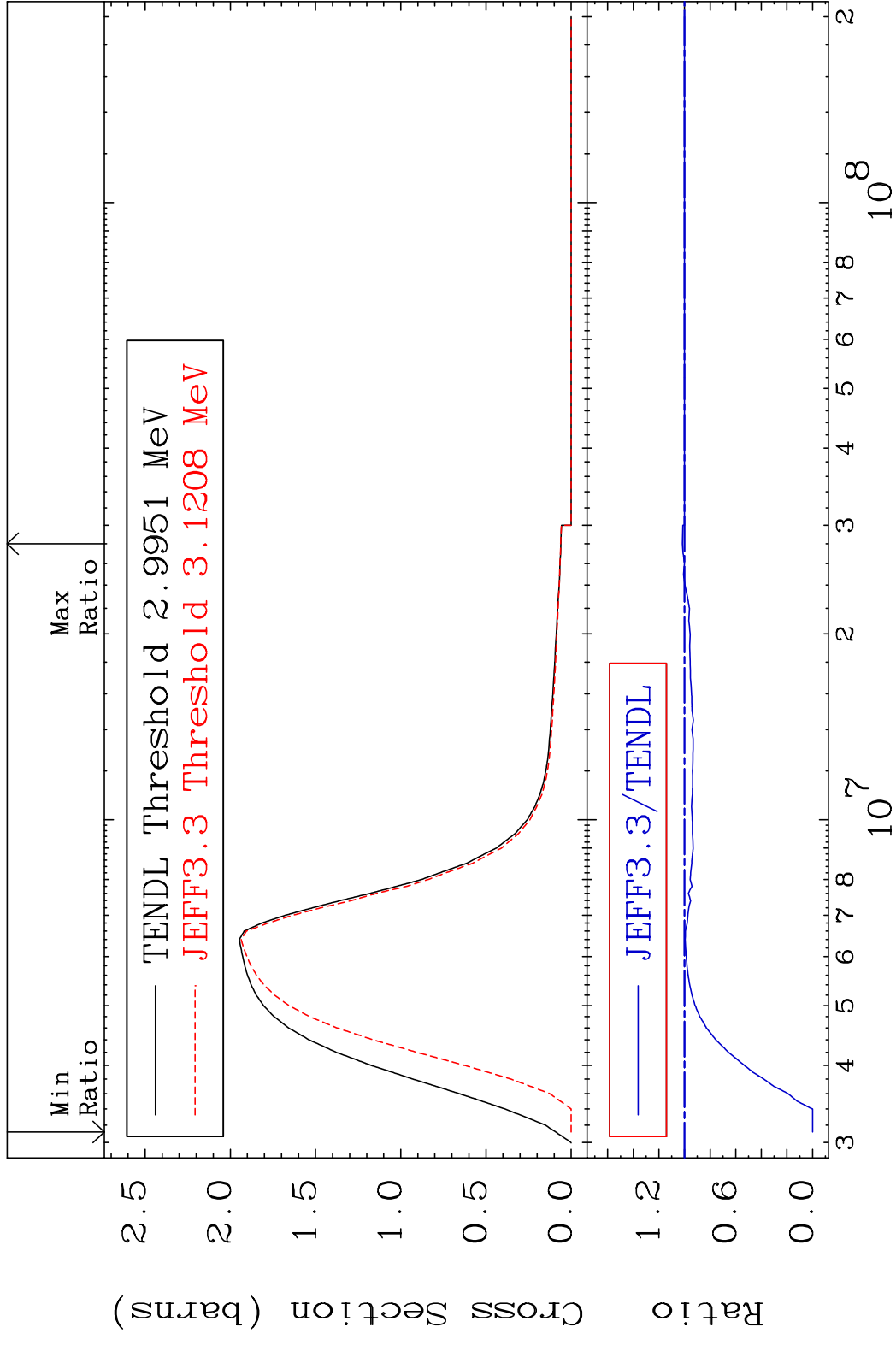
MAT 5655 MT= 77 (n, n') Level 56-Ba-140
 Cross Section -100.0 To 0.000 %



MAT 5655 MT= 78 (n,n') Level 56-Ba-140
 Cross Section -100.0 To 26.05 %



MAT 5655 (n,n') Continuum 56-Ba-140
 Cross Section -100.0 To 1.690 %

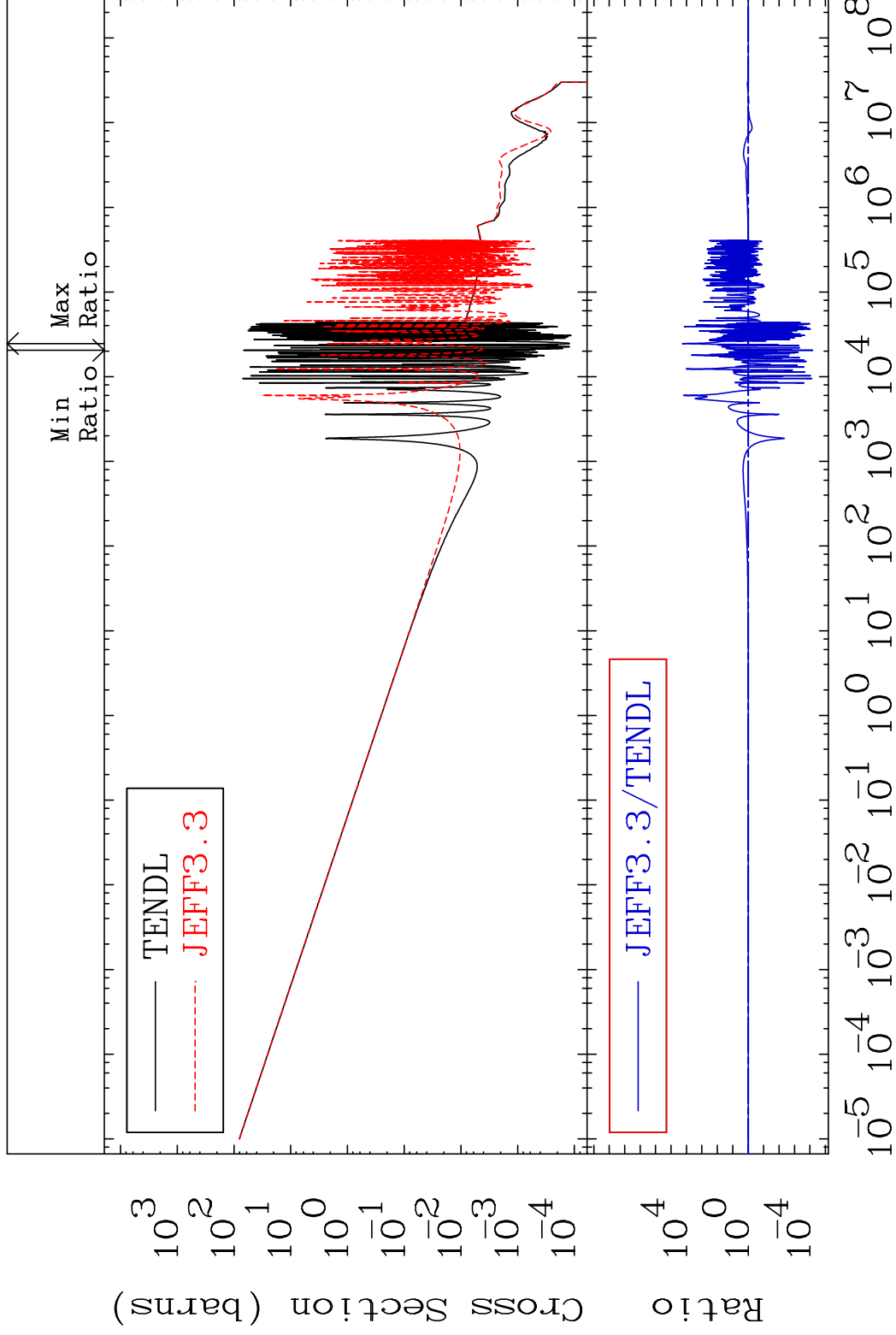


MAT 5655

(n, γ)

56-Ba-140

Cross Section -99.99 To 9999. %



49

Incident Energy (eV)

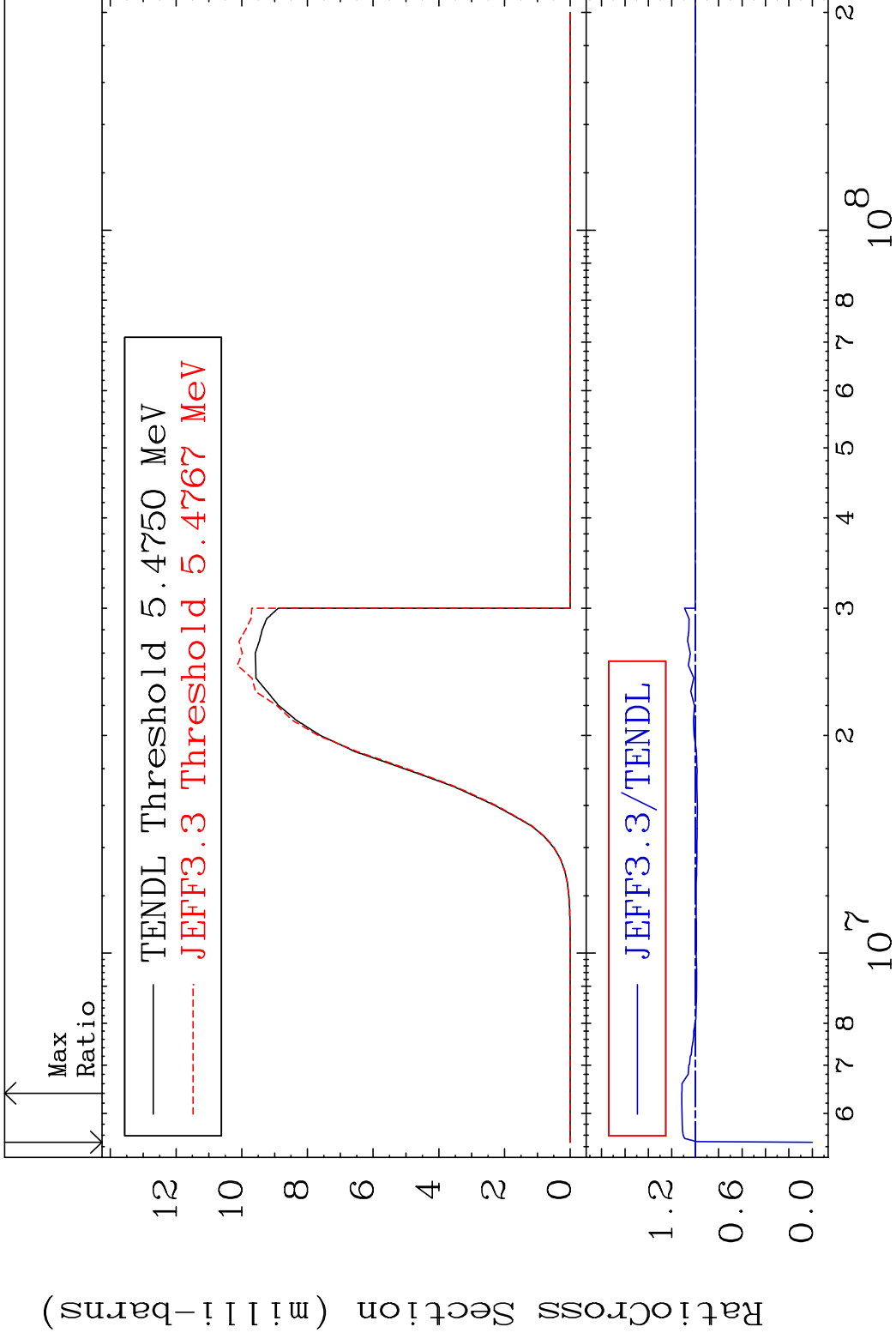
56-Ba-140

MAT 5655

(n,p)

56-Ba-140

Cross Section -100.0 To 11.51 %

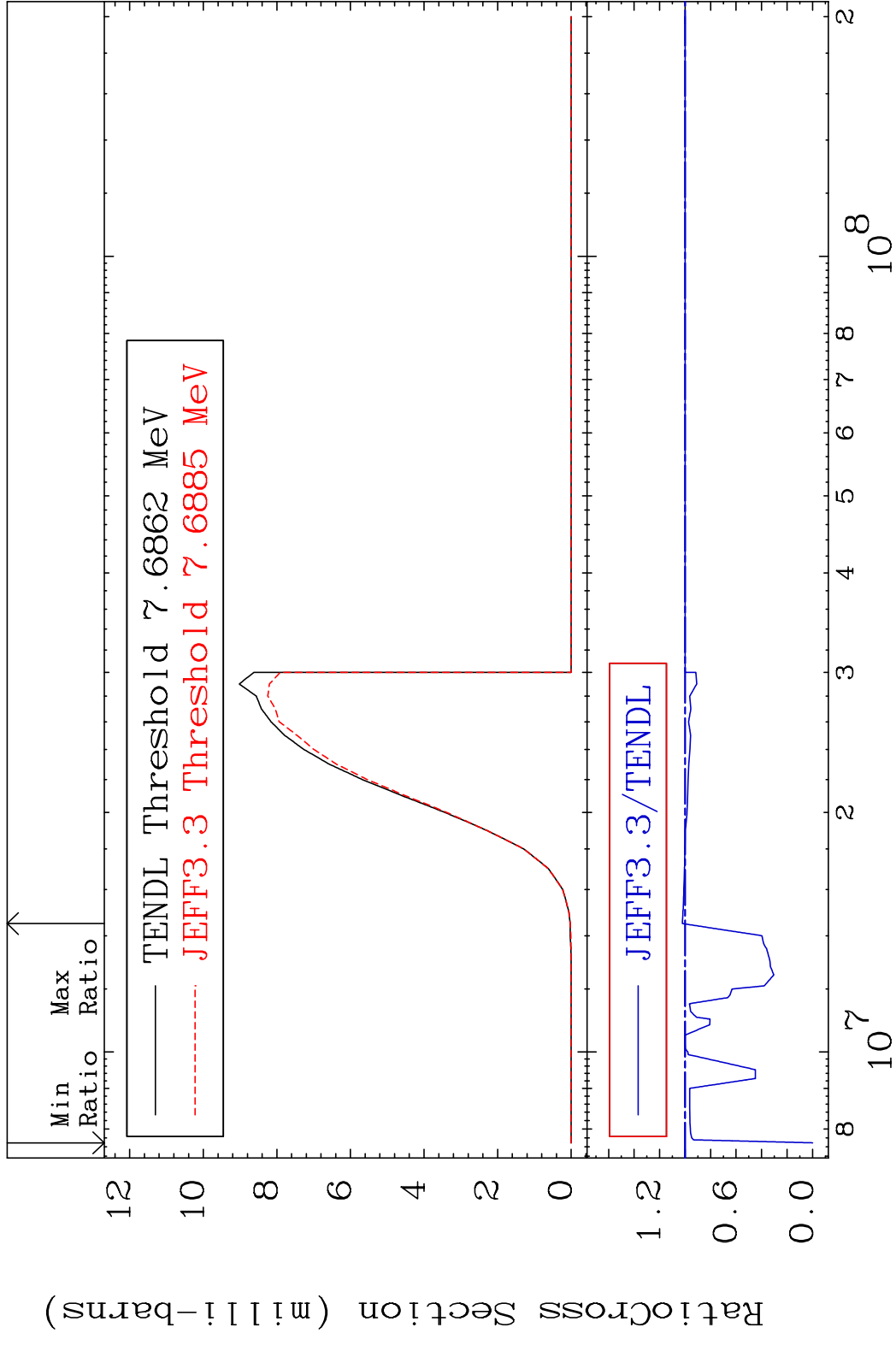


50

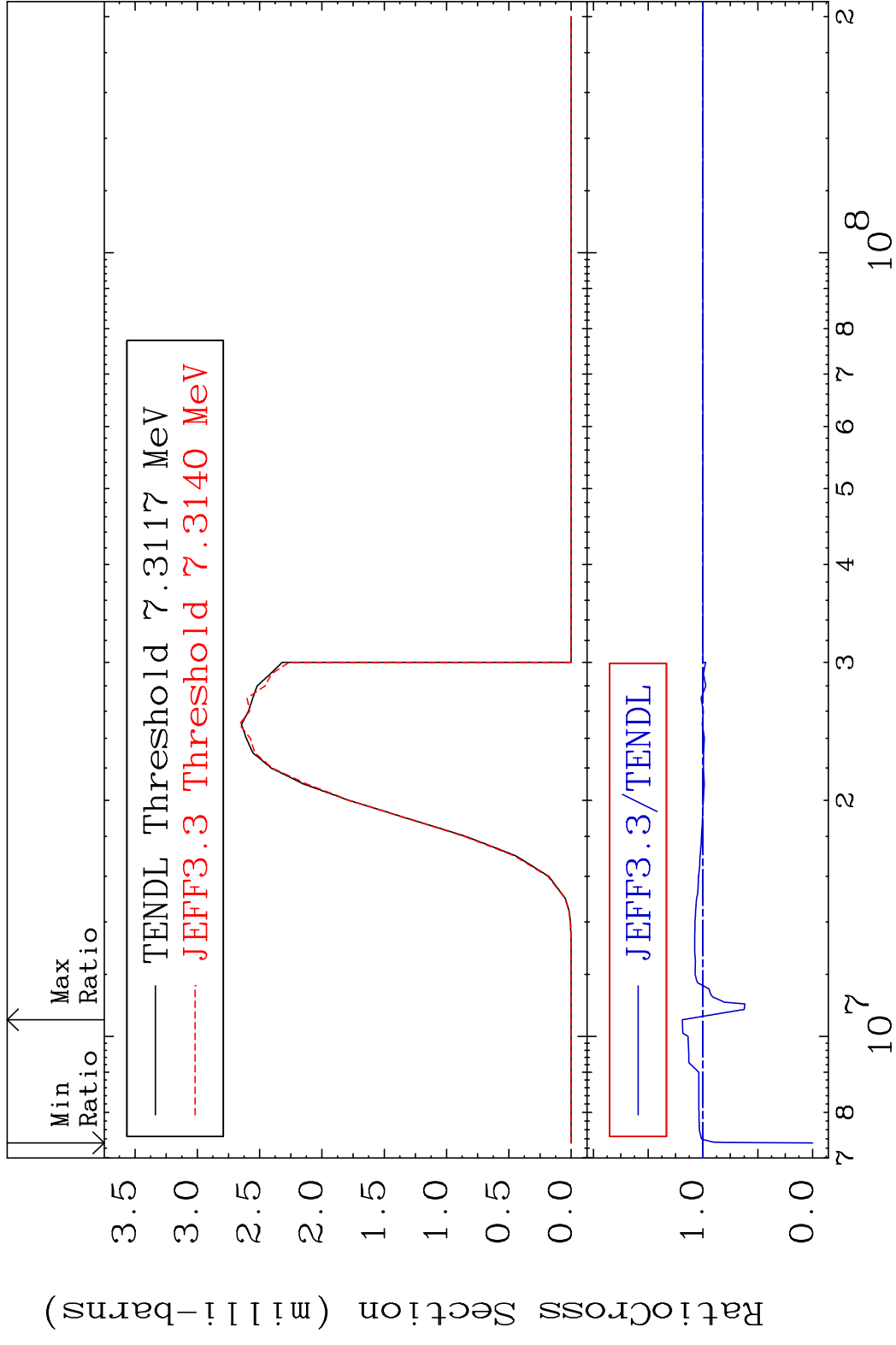
Incident Energy (eV)

56-Ba-140

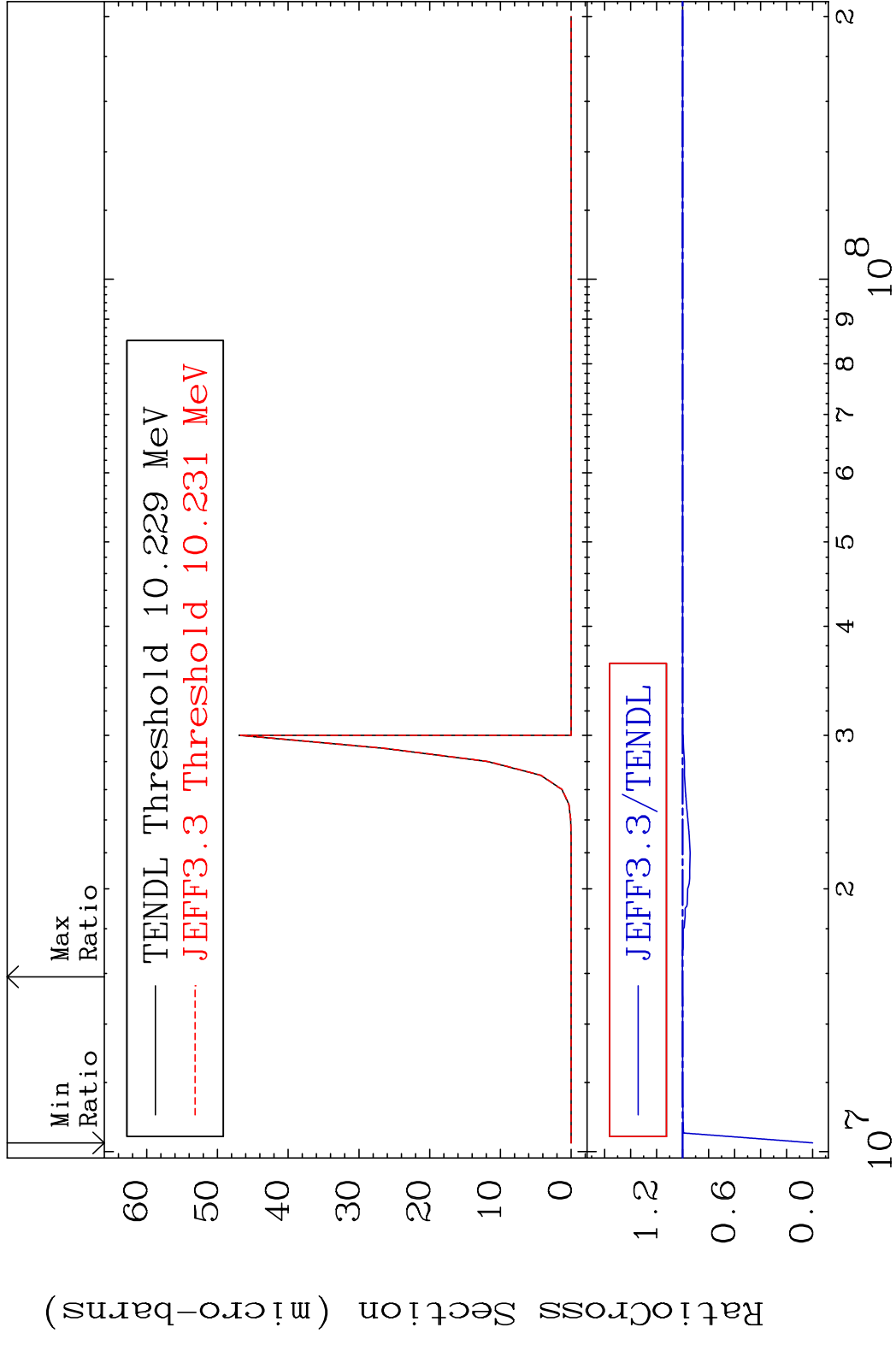
MAT 5655 (n,d) 56-Ba-140
 Cross Section -100.0 To 2.155 %



MAT 5655 (n, t) 56-Ba-140
 Cross Section -100.0 To 18.84 %



MAT 5655 (n, He-3) 56-Ba-140
 Cross Section -100.0 To 0.222 %

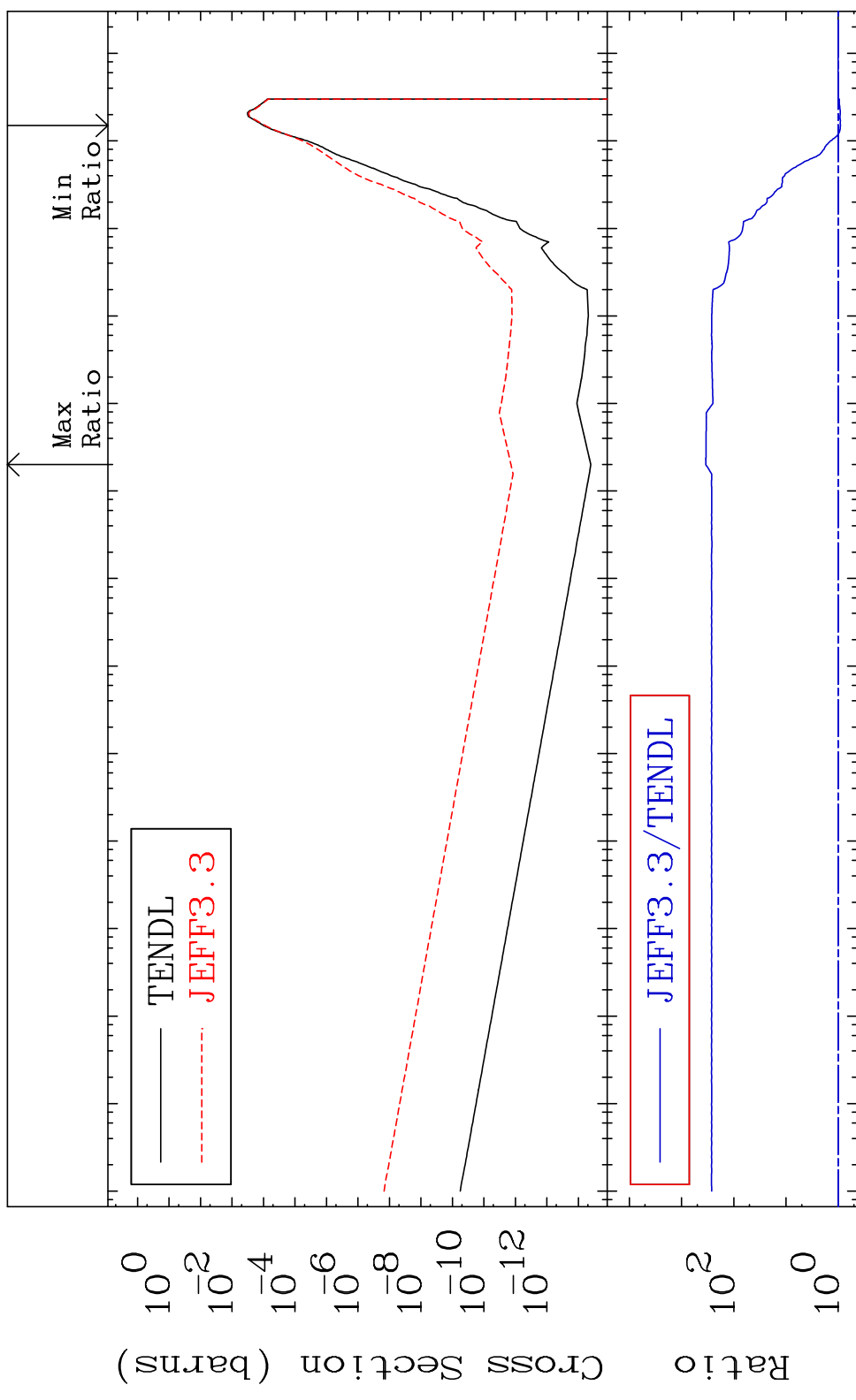


MAT 5655

(n, α)

56-Ba-140

Cross Section -9.348 To 9999. %

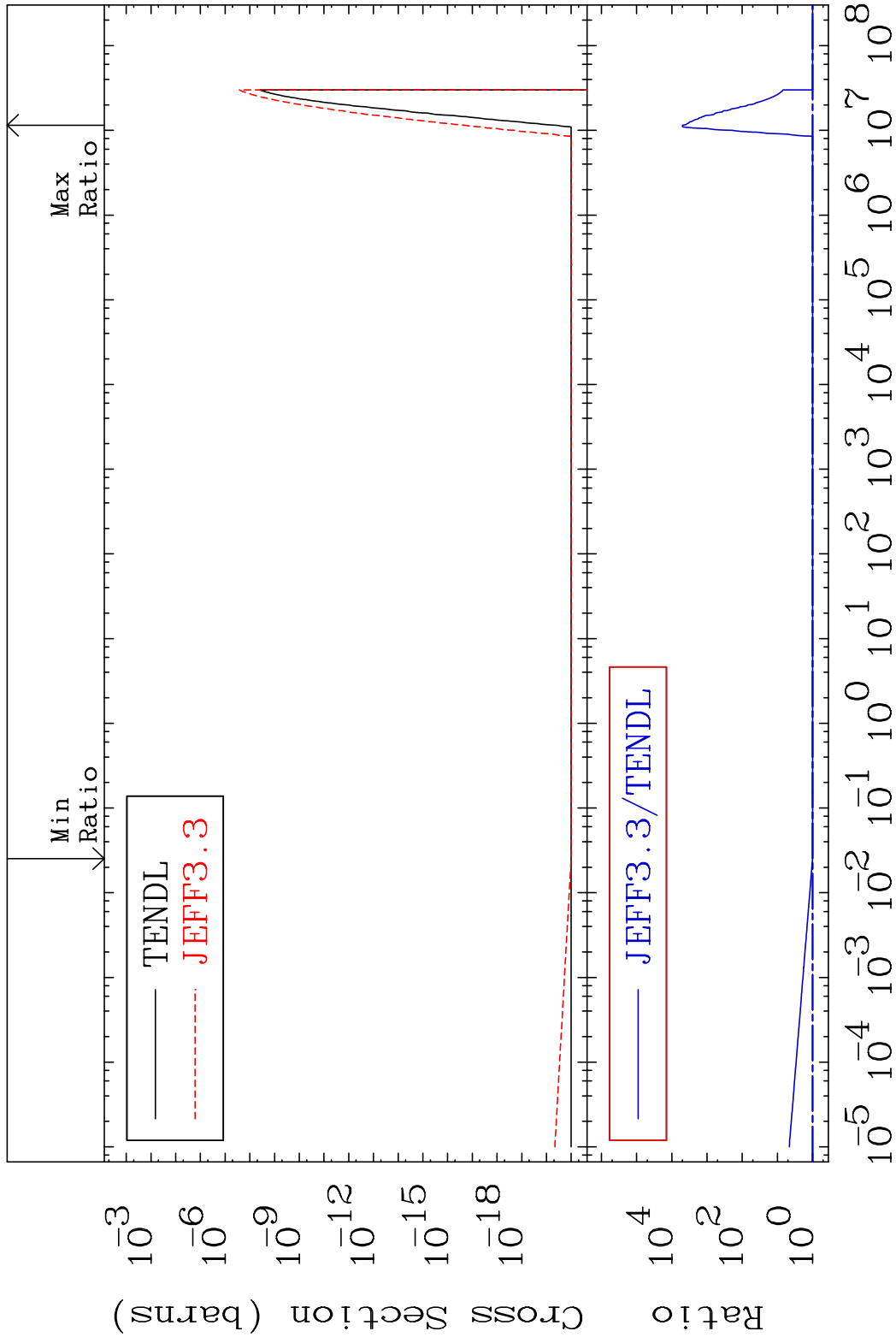


MAT 5655

(n,2α)

56-Ba-140

Cross Section 0.000 To 9999. %



55

Incident Energy (eV)

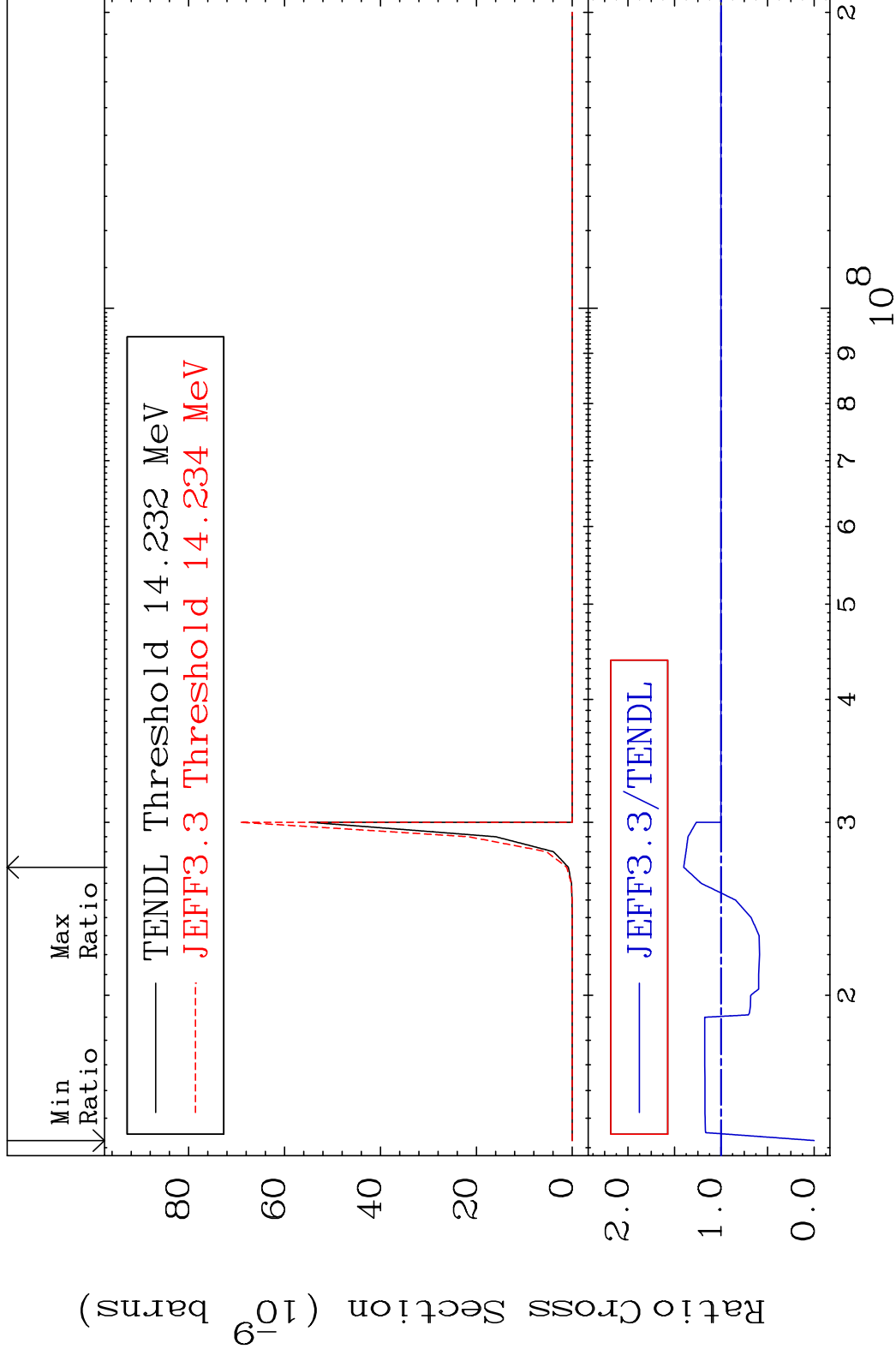
56-Ba-140

MAT 5655

(n,2p)

56-Ba-140

Cross Section -100.0 To 40.17 %

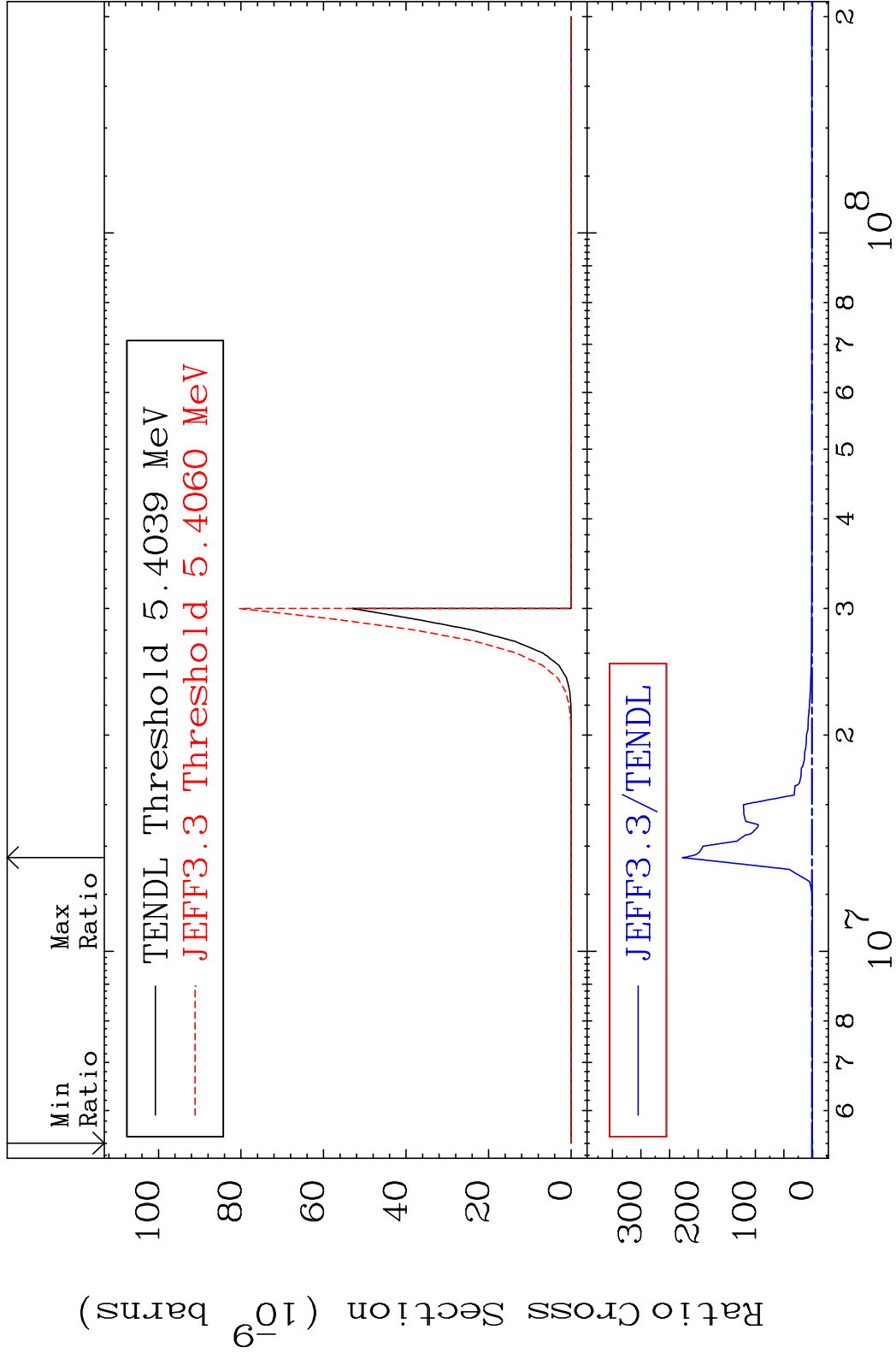


56

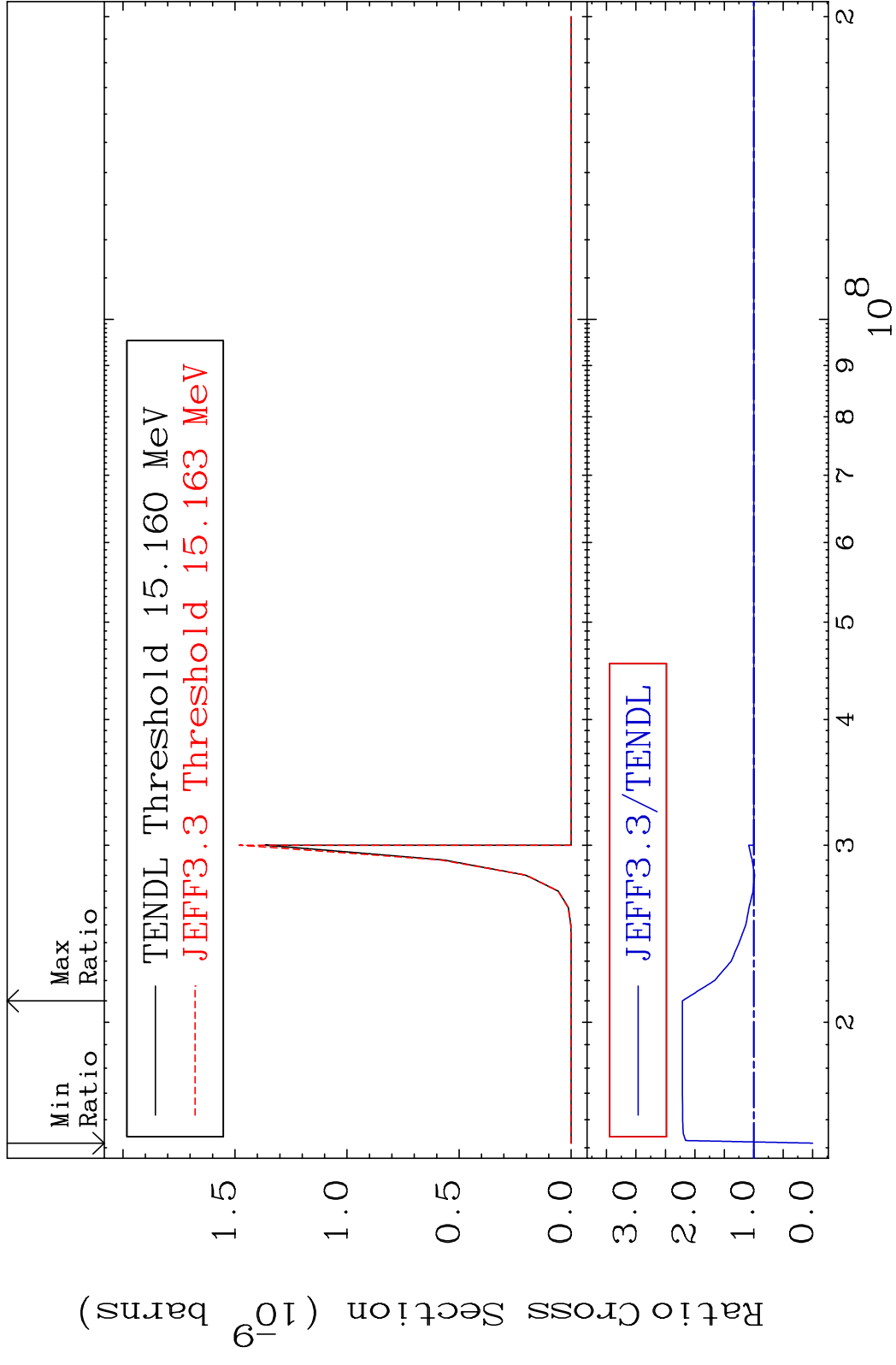
Incident Energy (eV)

56-Ba-140

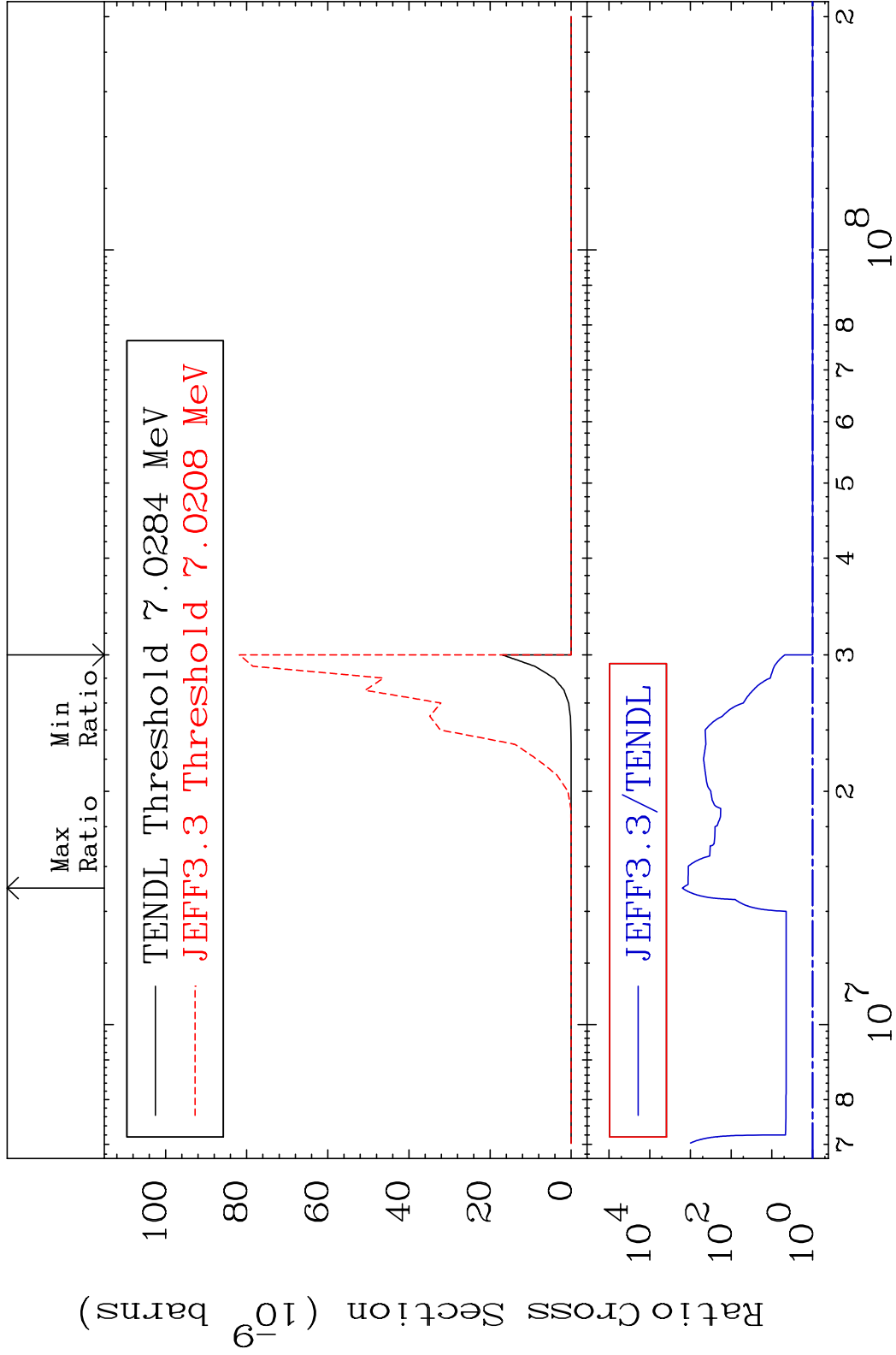
MAT 5655 (n,p) α 56-Ba-140
 Cross Section -100.0 To 9999. %



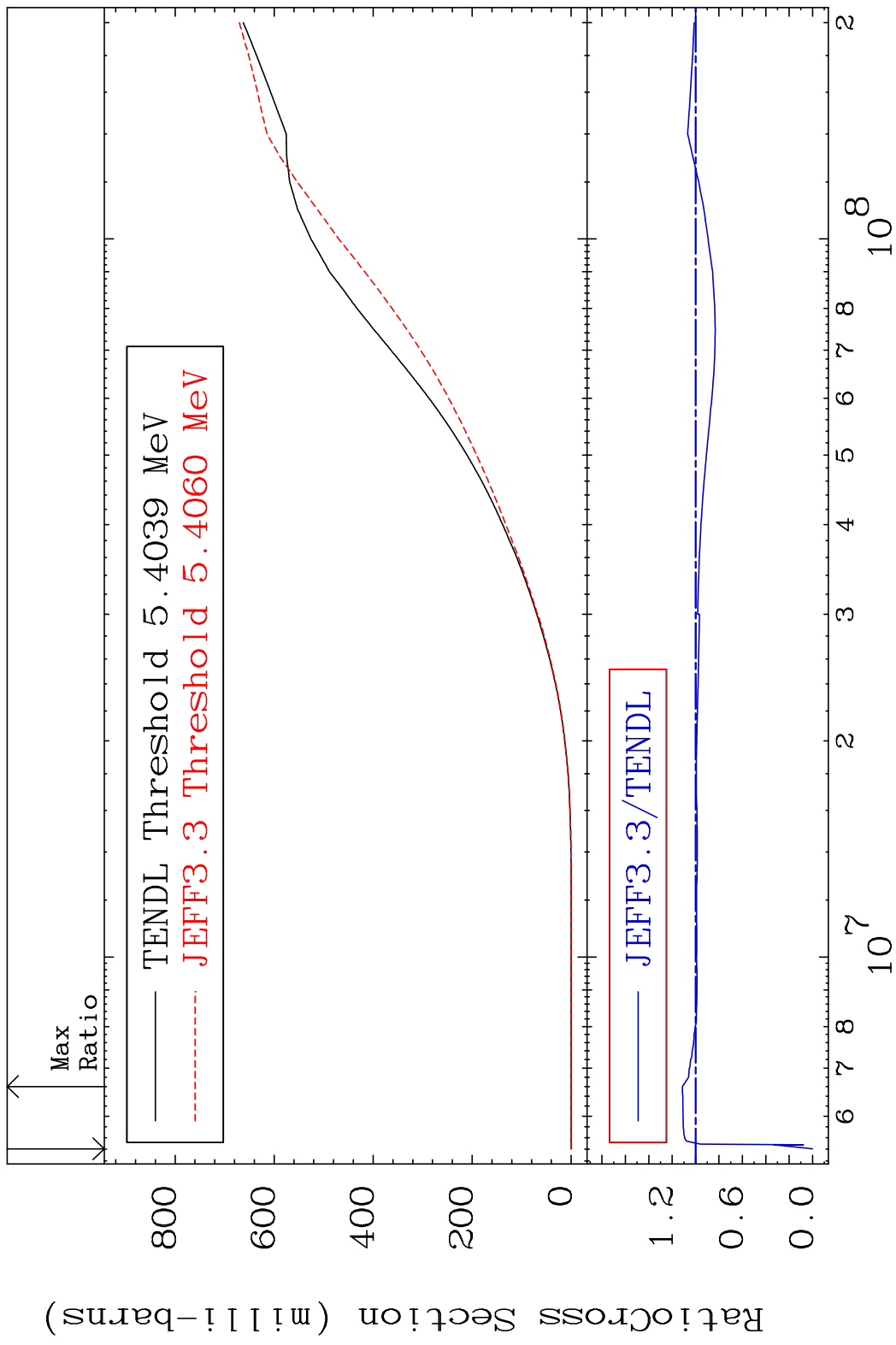
MAT 5655 (n,p) t 56-Ba-140
 Cross Section -100.0 To 121.2 %



MAT 5655 (n,d) α 56-Ba-140
 Cross Section 0.000 To 9999. %



MAT 5655 Hydrogen Production 56-Ba-140
 Cross Section -100.0 To 11.30 %



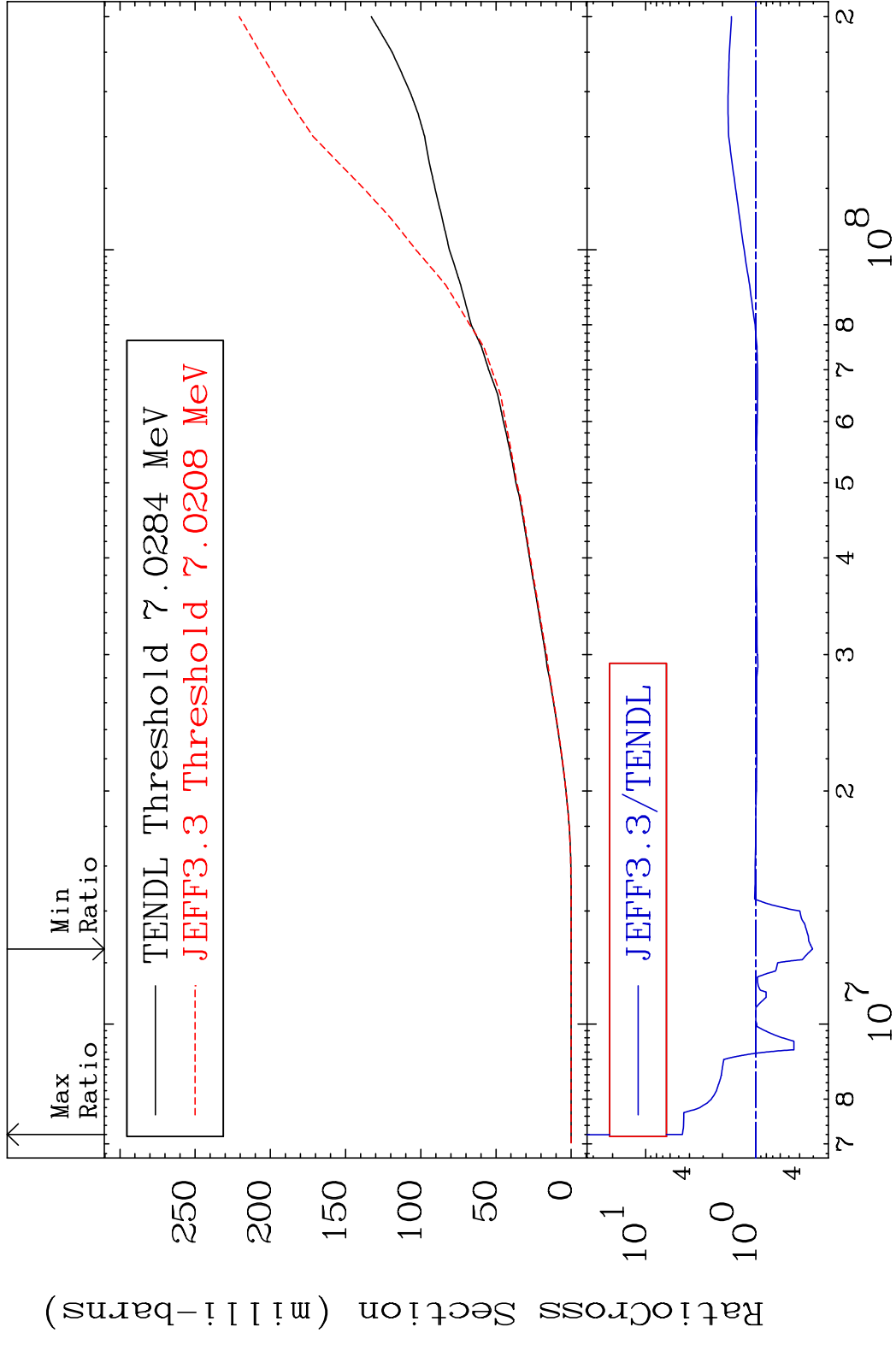
60 56-Ba-140

MAT 5655

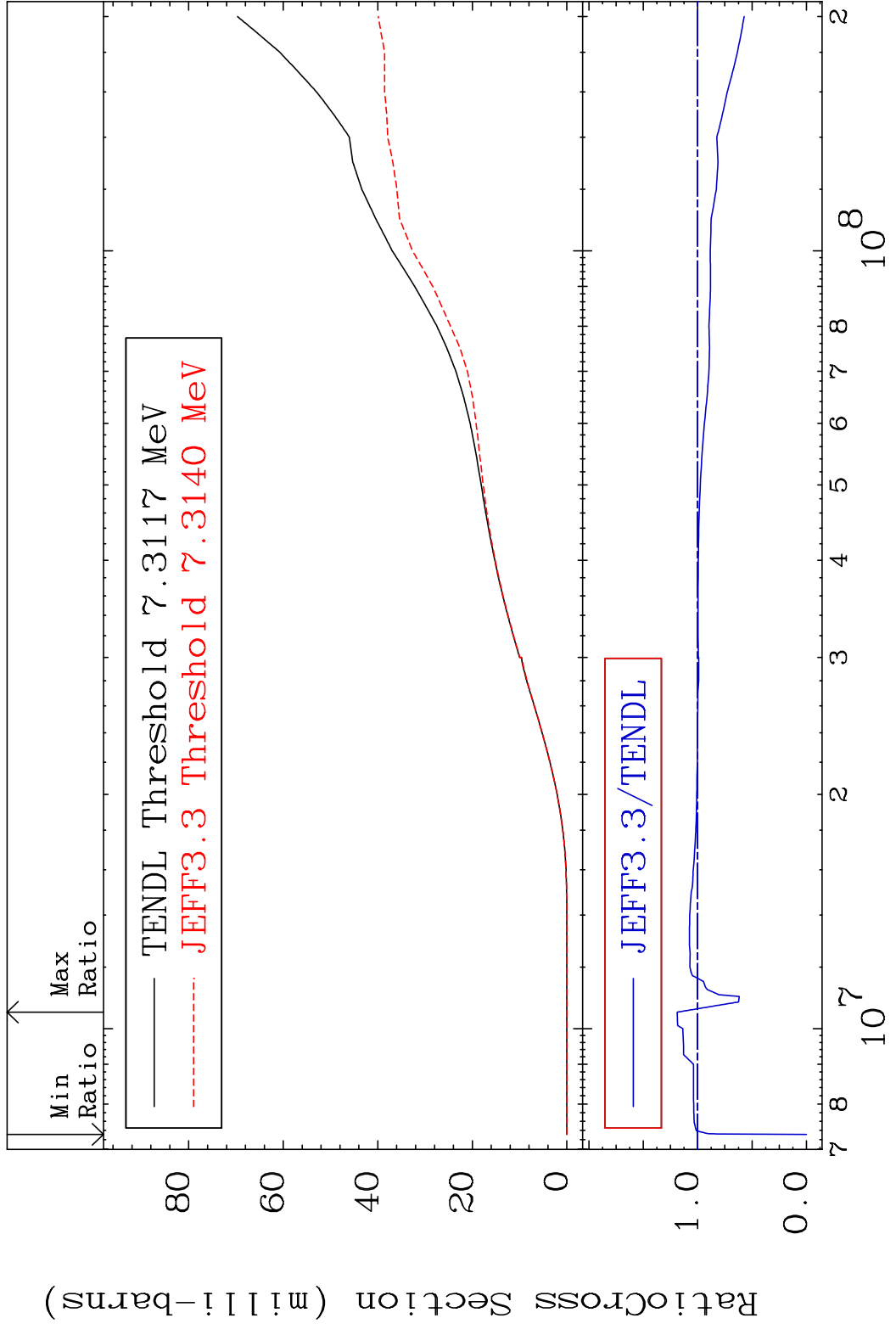
Deuterium Production

56-Ba-140

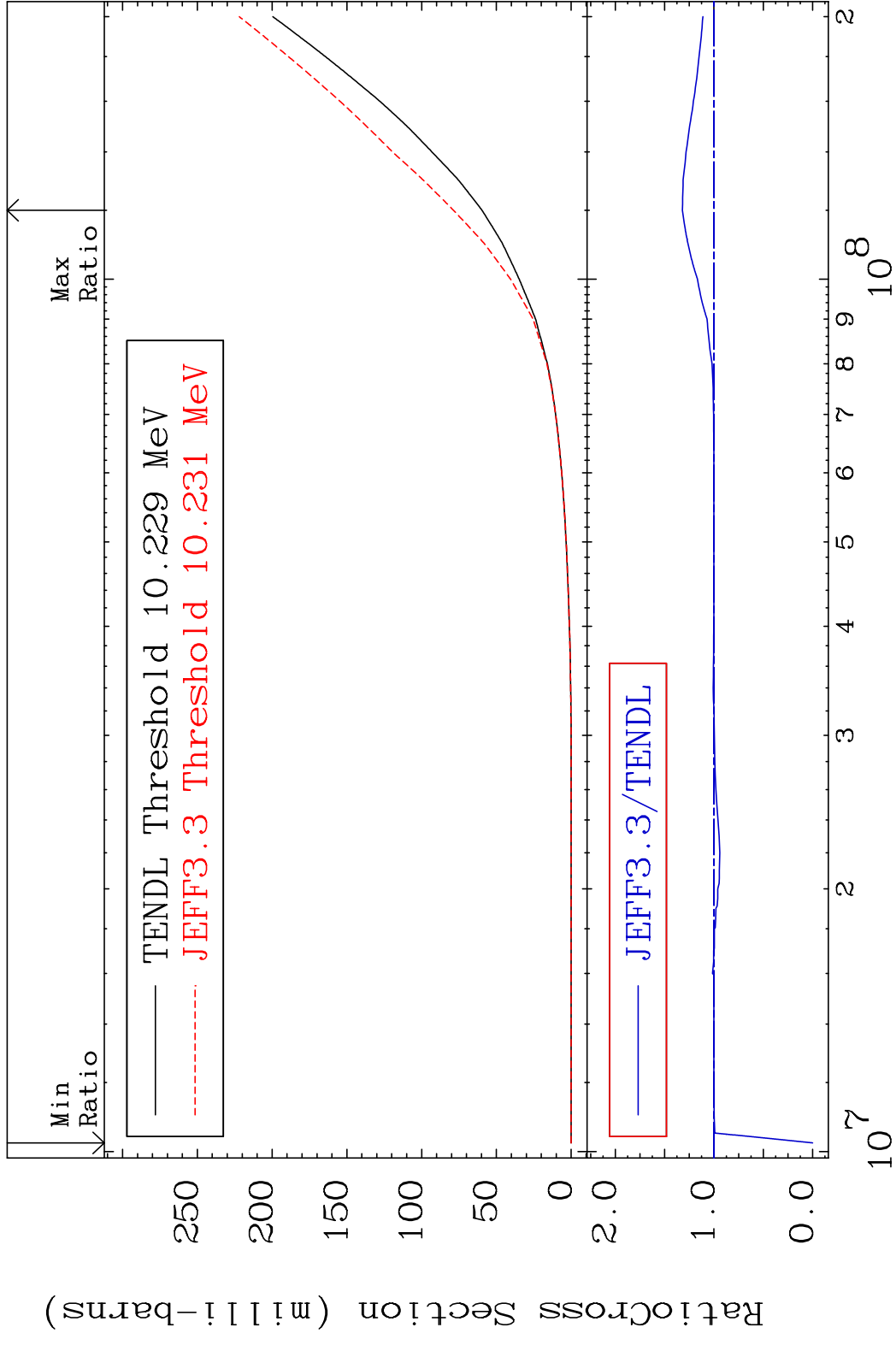
Cross Section -69.55 To 364.5 %



MAT 5655 Tritium Production 56-Ba-140
 Cross Section -100.0 To 18.84 %



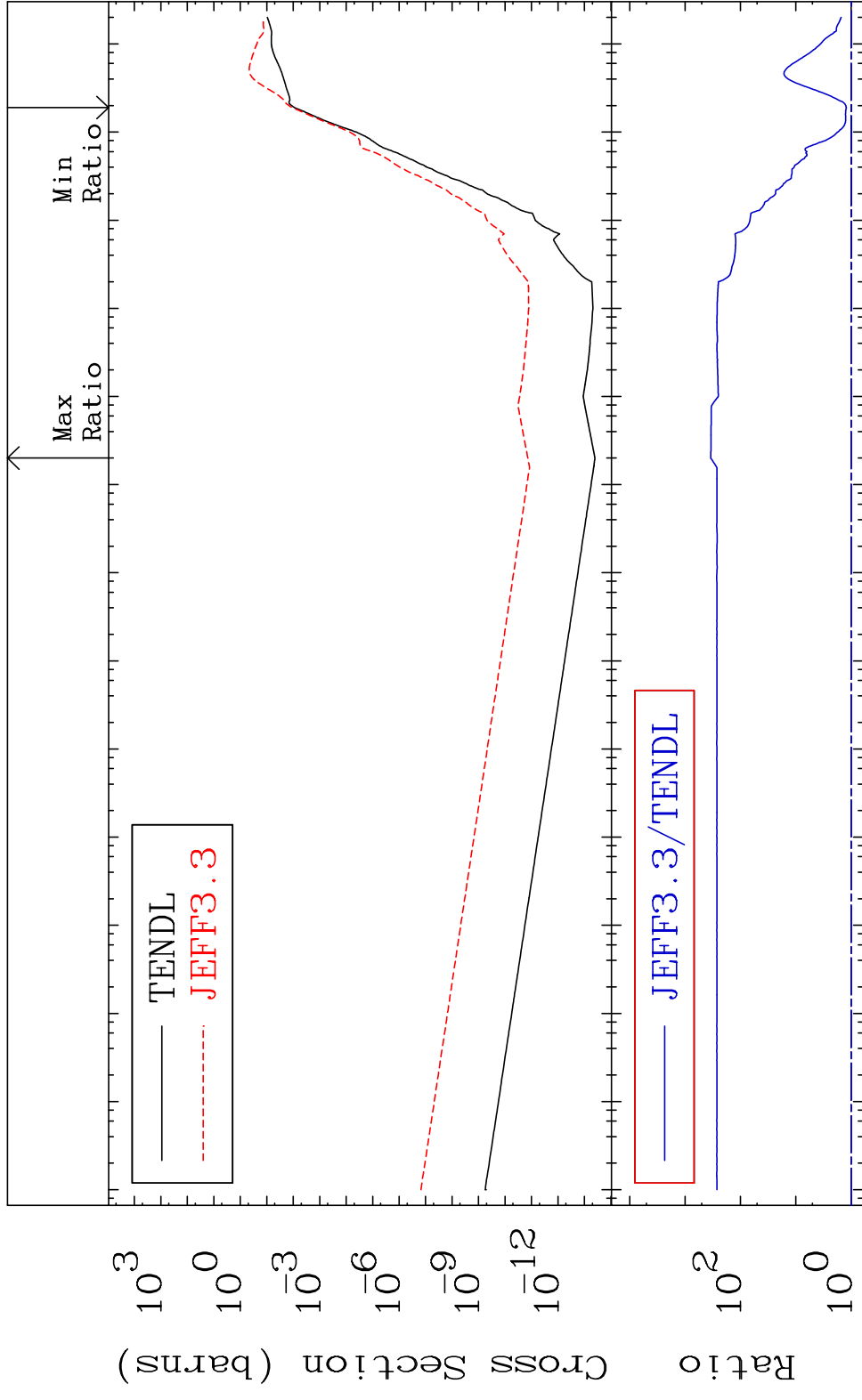
MAT 5655 He-3 Production 56-Ba-140
 Cross Section -100.0 To 32.07 %



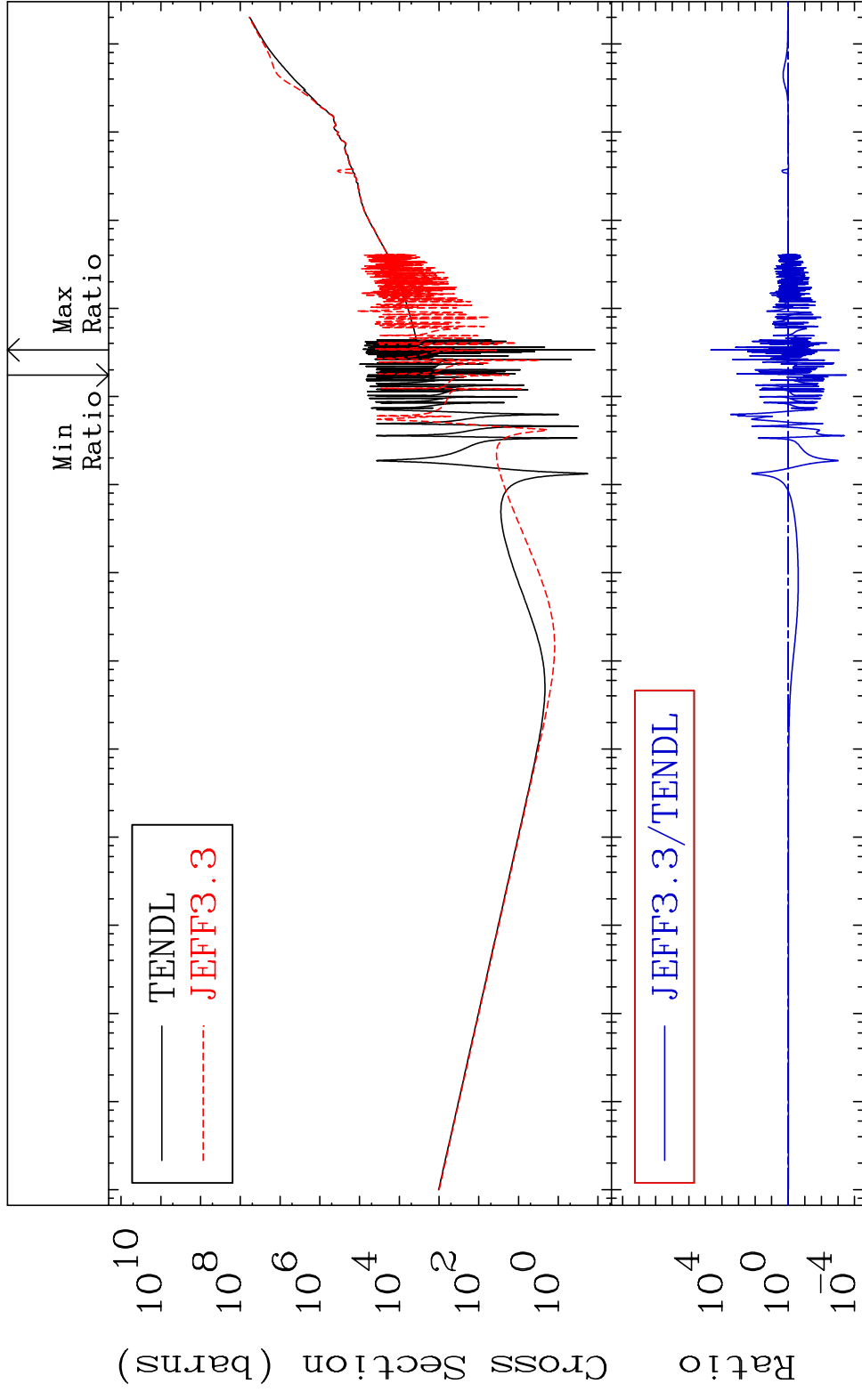
63 Incident Energy (eV) 56-Ba-140

MAT 5655

He-4 Production Cross Section 22.12 To 9999. %
56-Ba-140



MAT 5655 Kerma total (eV-barns) 56-Ba-140
 Cross Section -99.97 To 9999. %

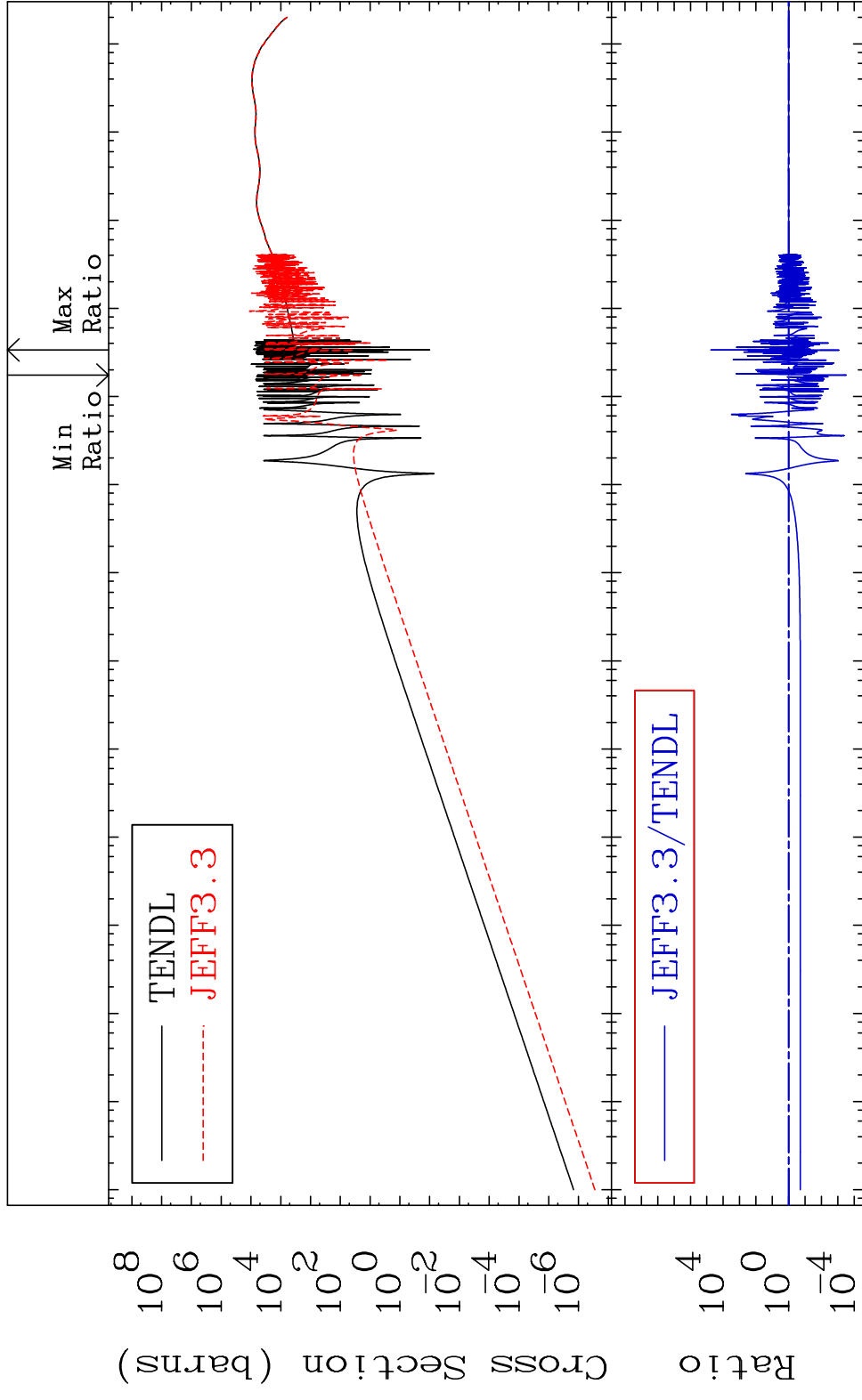


65 Incident Energy (eV) 56-Ba-140

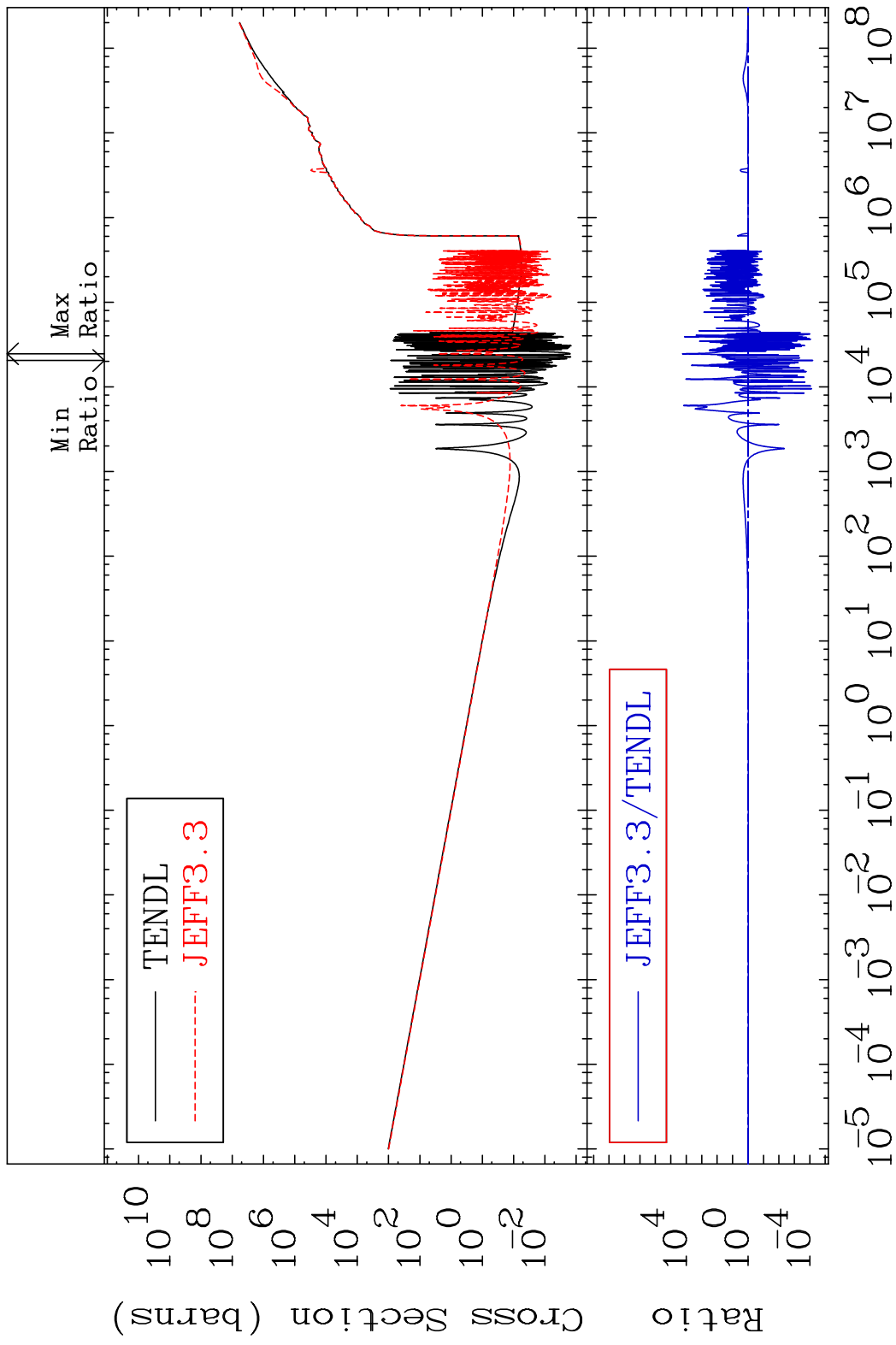
MAT 5655

Kerma elastic
Cross Section

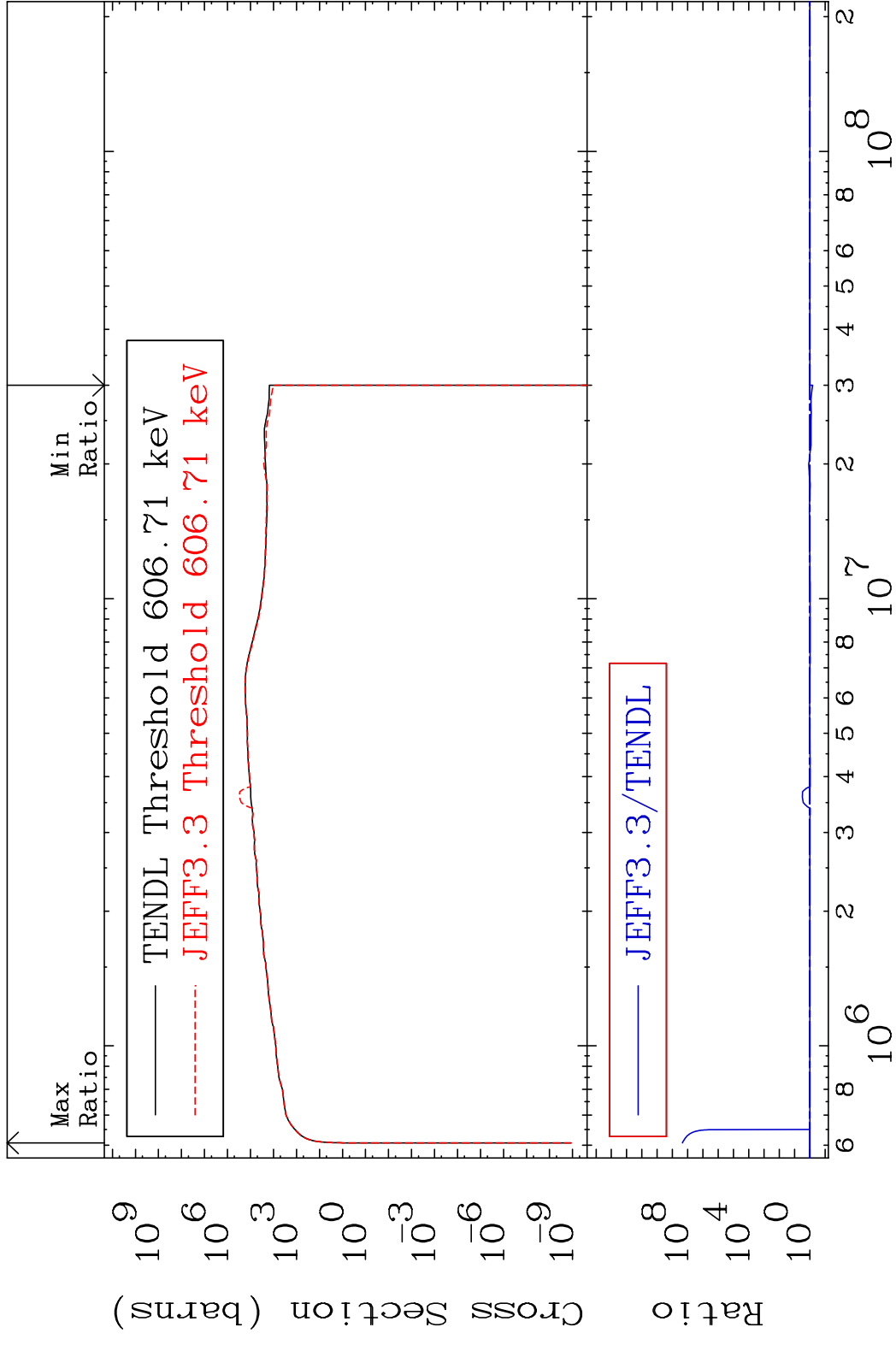
56-Ba-140
-99.97 To 9999. %



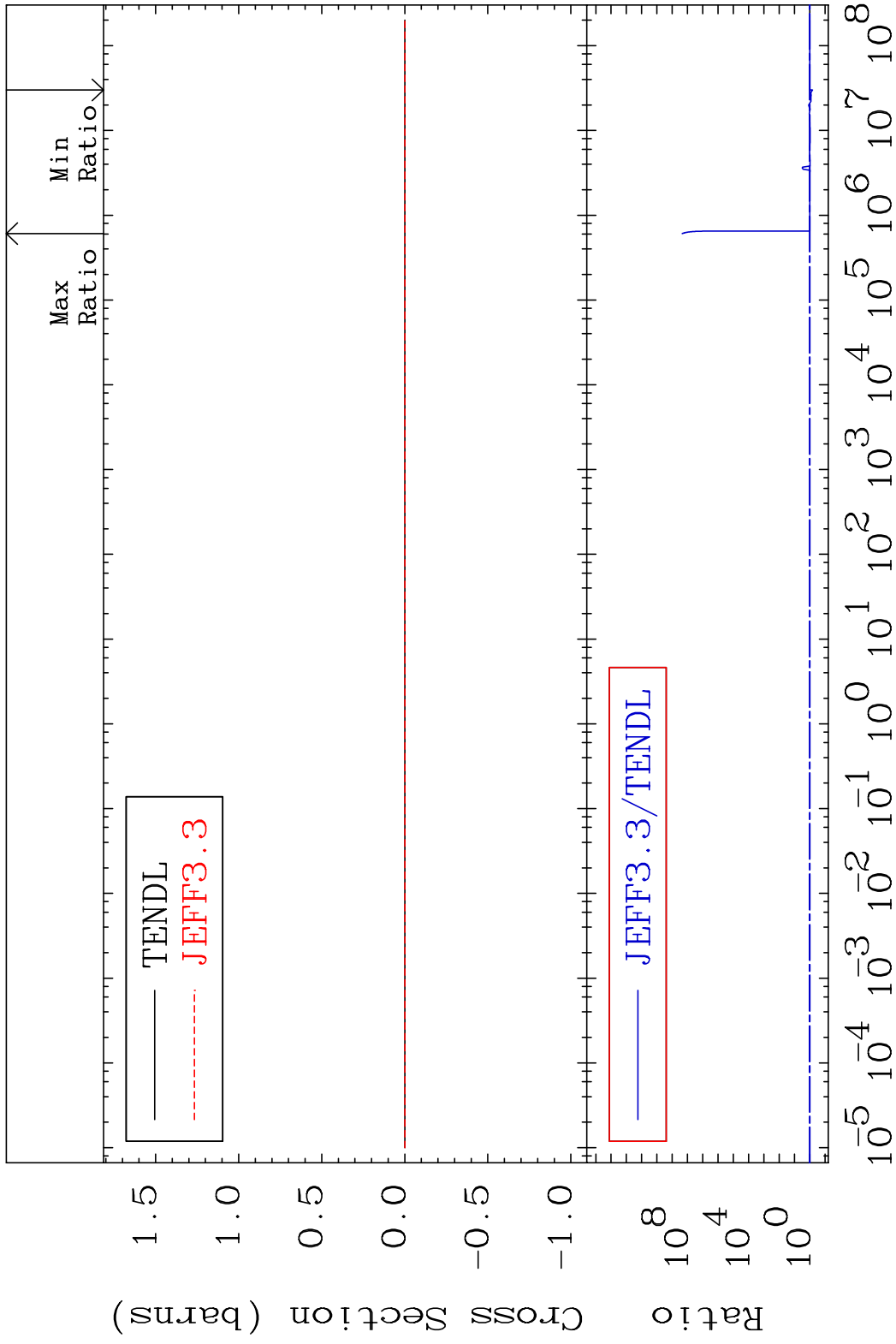
MAT 5655 Kerma non-elastic (all but mt2) 56-Ba-140
 Cross Section -99.99 To 9999. %



MAT 5655 Kerma inelastic (mt51-91) 56-Ba-140
 Cross Section -33.66 To 9999. %

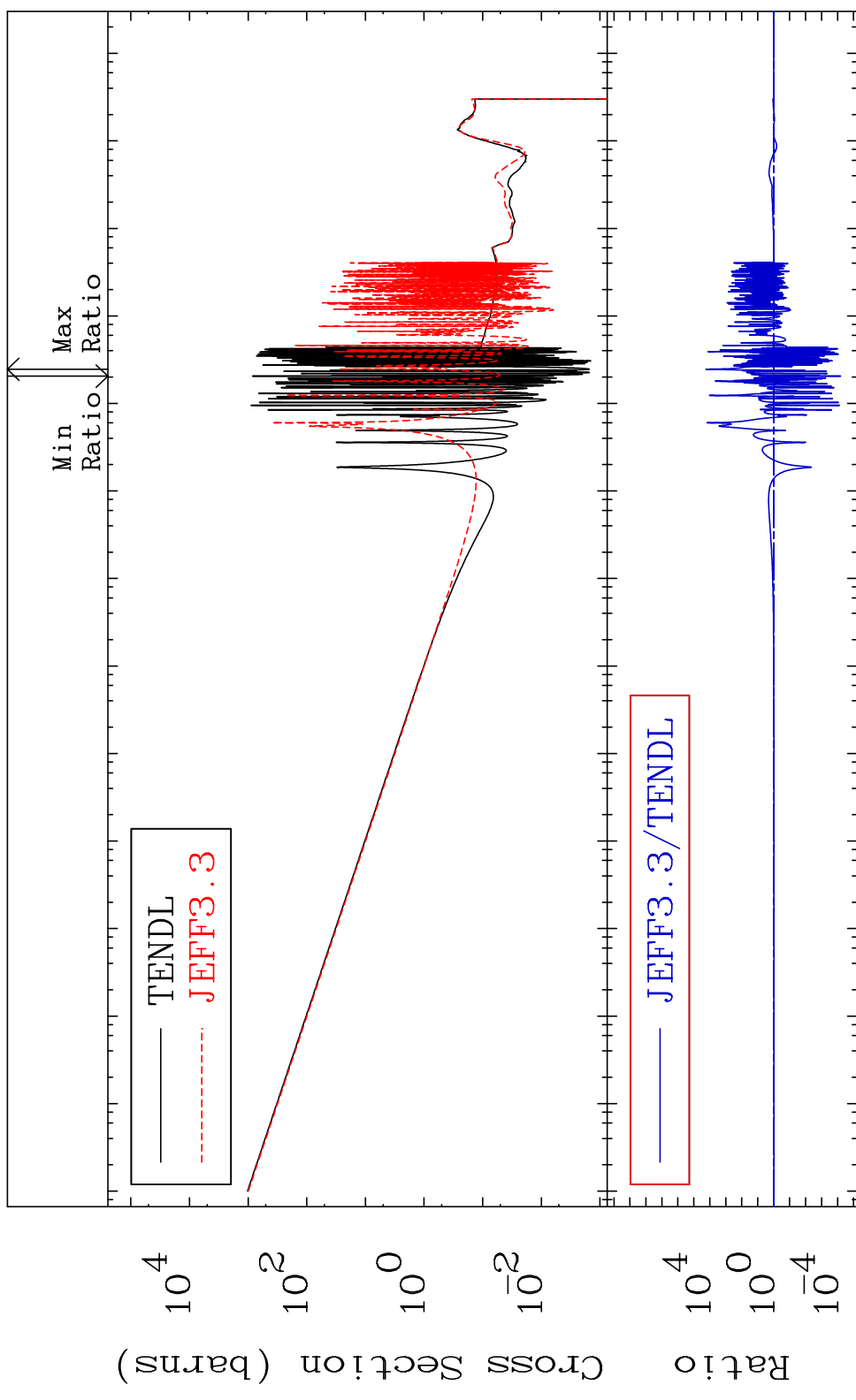


MAT 5655 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-140
 Cross Section -33.66 To 9999. %



MAT 5655

Kerma capture (mt102) 56-Ba-140
Cross Section -99.99 To 9999. %



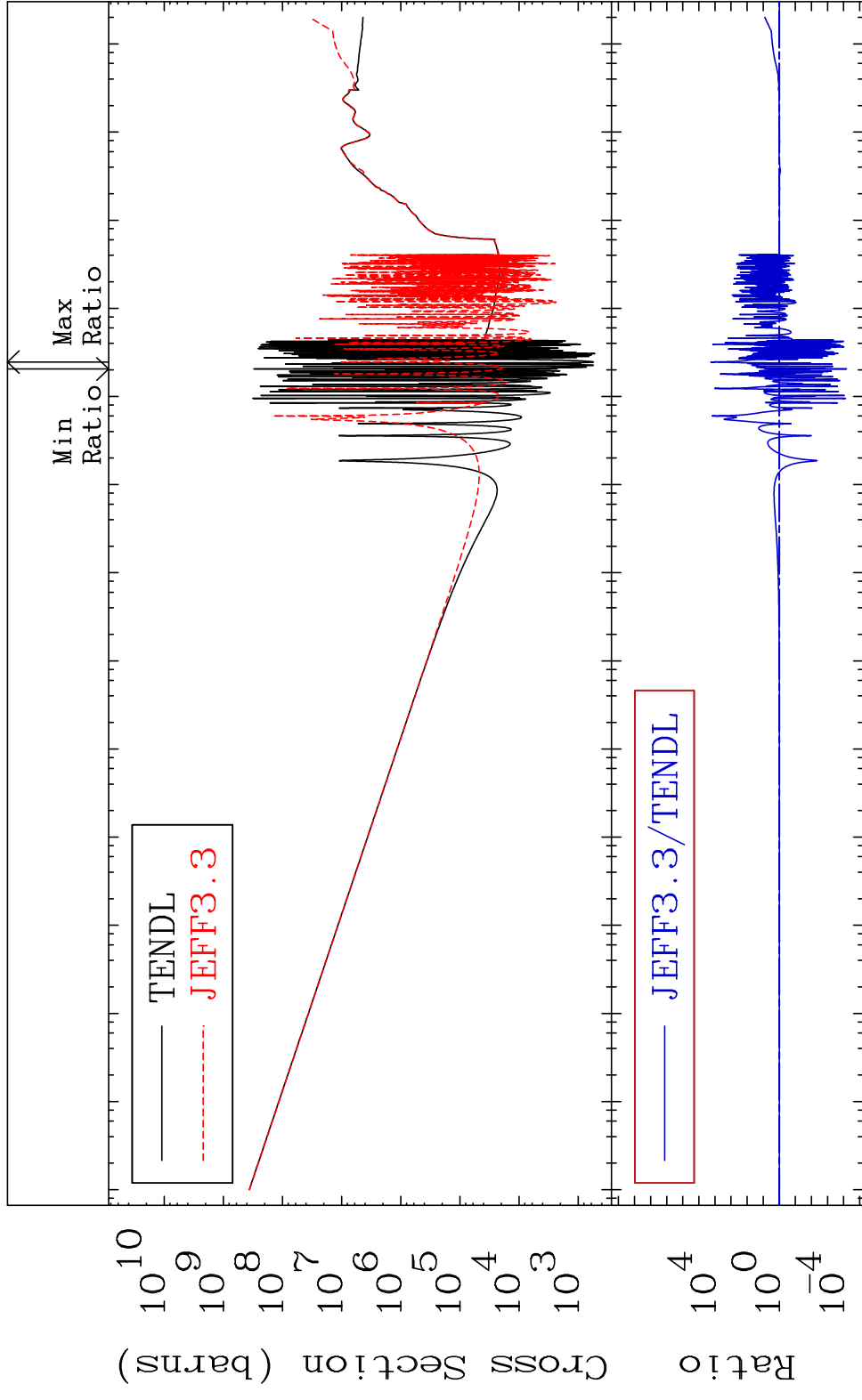
70

Incident Energy (eV)

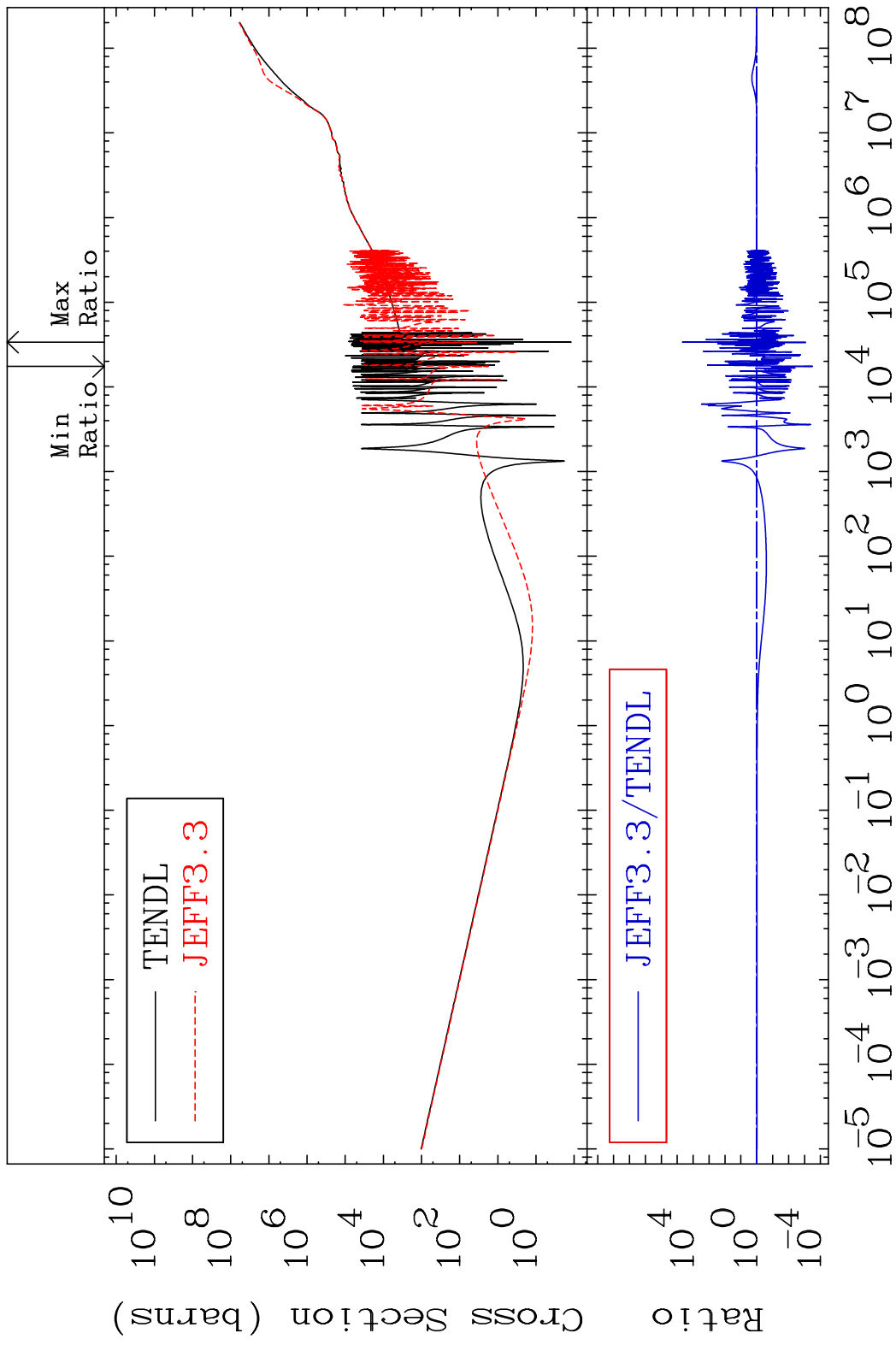
56-Ba-140

MAT 5655

Total photon (eV-barns) 56-Ba-140
Cross Section -99.99 To 9999. %



MAT 5655 Total kinematic kerma (high limit) 56-Ba-140
 Cross Section -99.97 To 9999. %

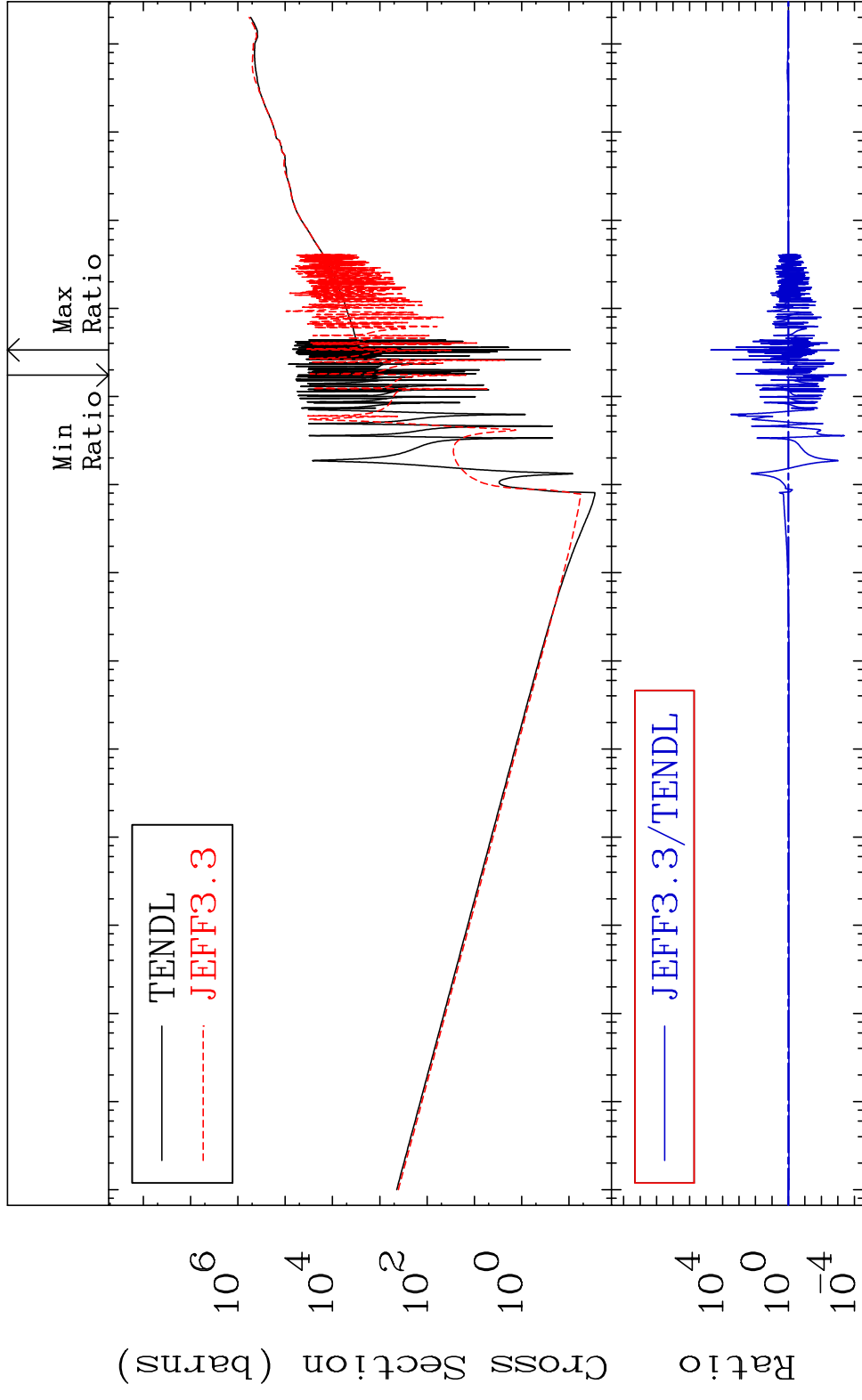


MAT 5655

Dpa total (eV-barns)

56-Ba-140

Cross Section -99.97 To 9999. %



73

Incident Energy (eV)

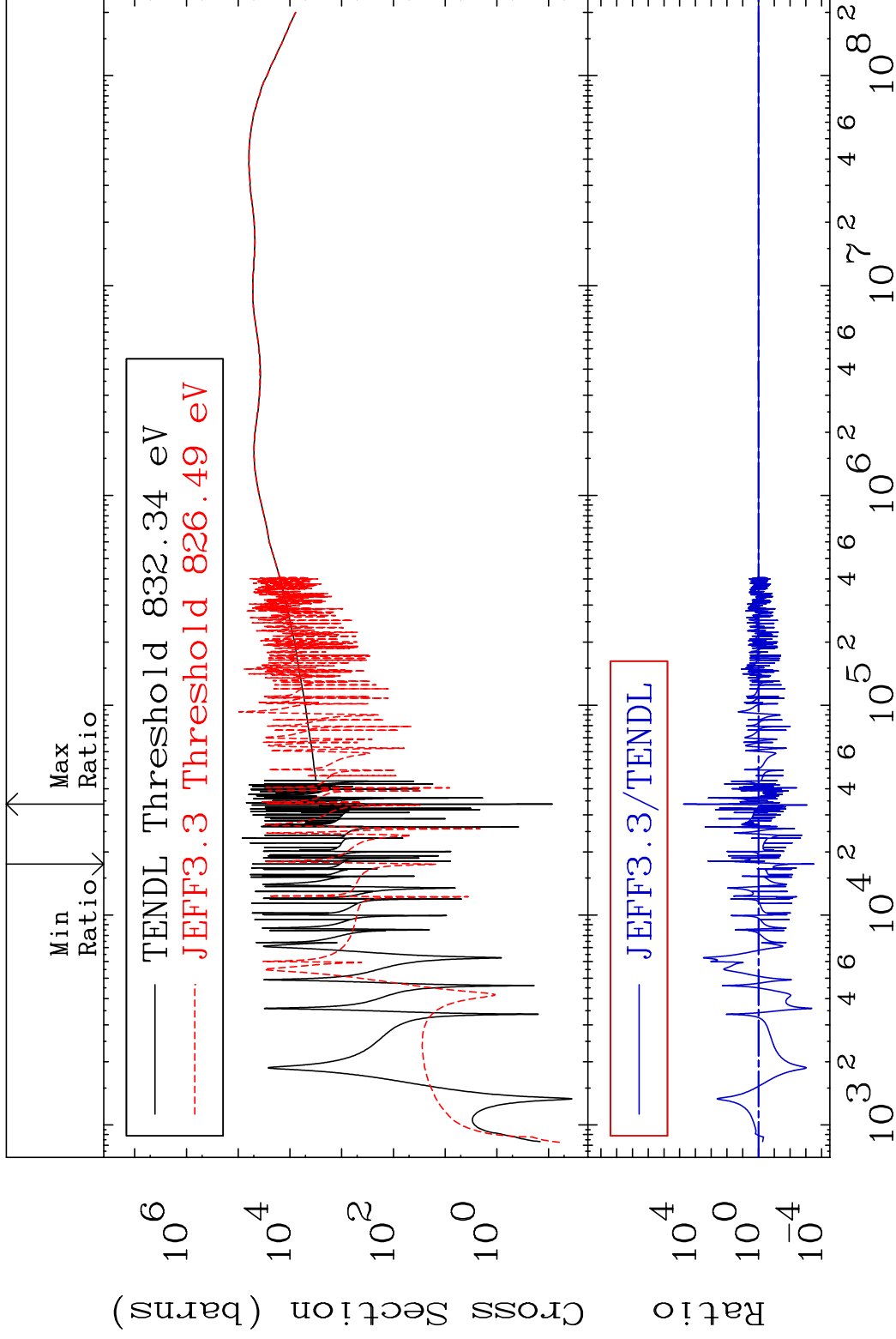
56-Ba-140

MAT 5655

Dpa elastic (mt2)

56-Ba-140

Cross Section -99.97 To 9999. %

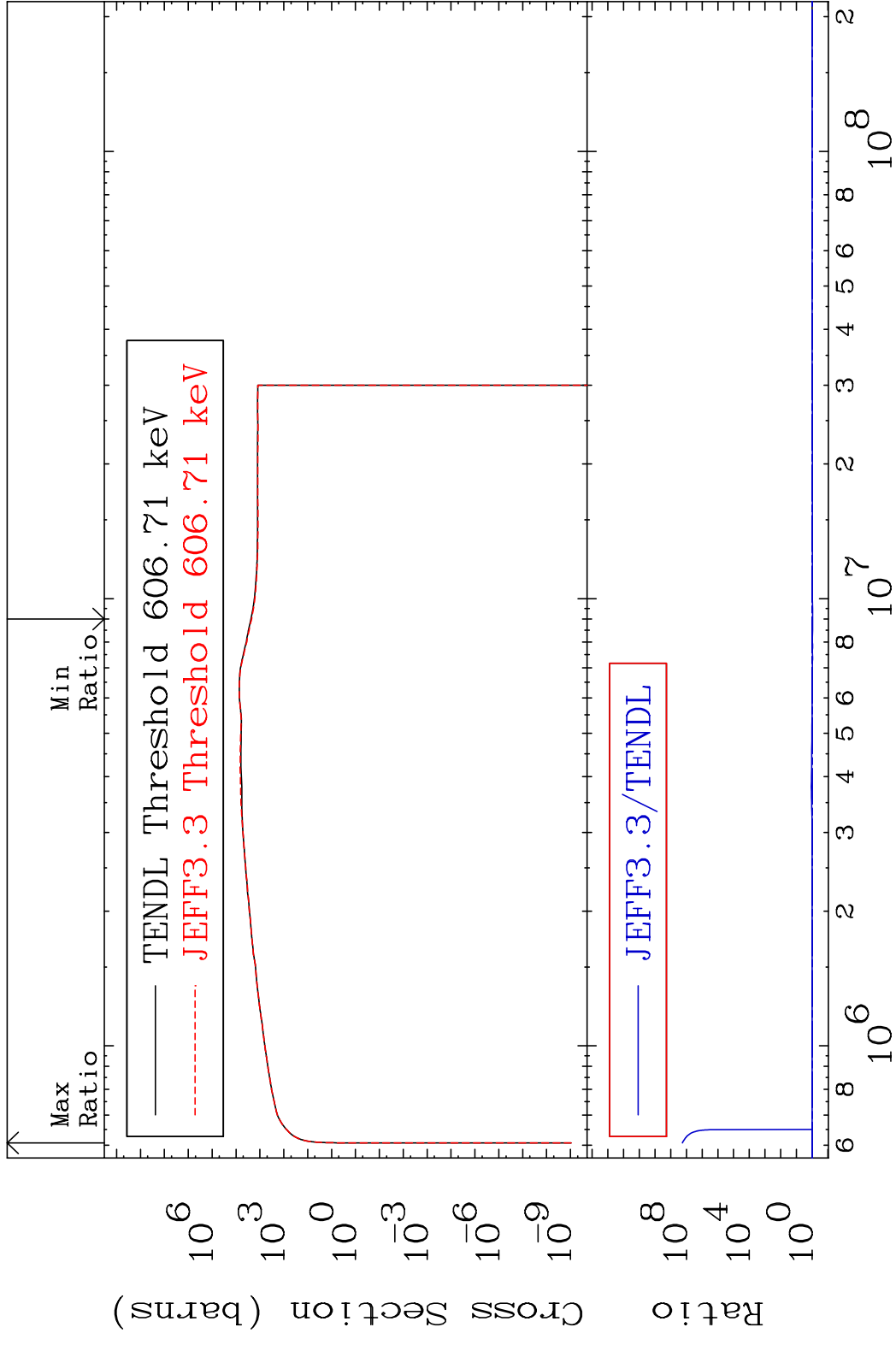


74

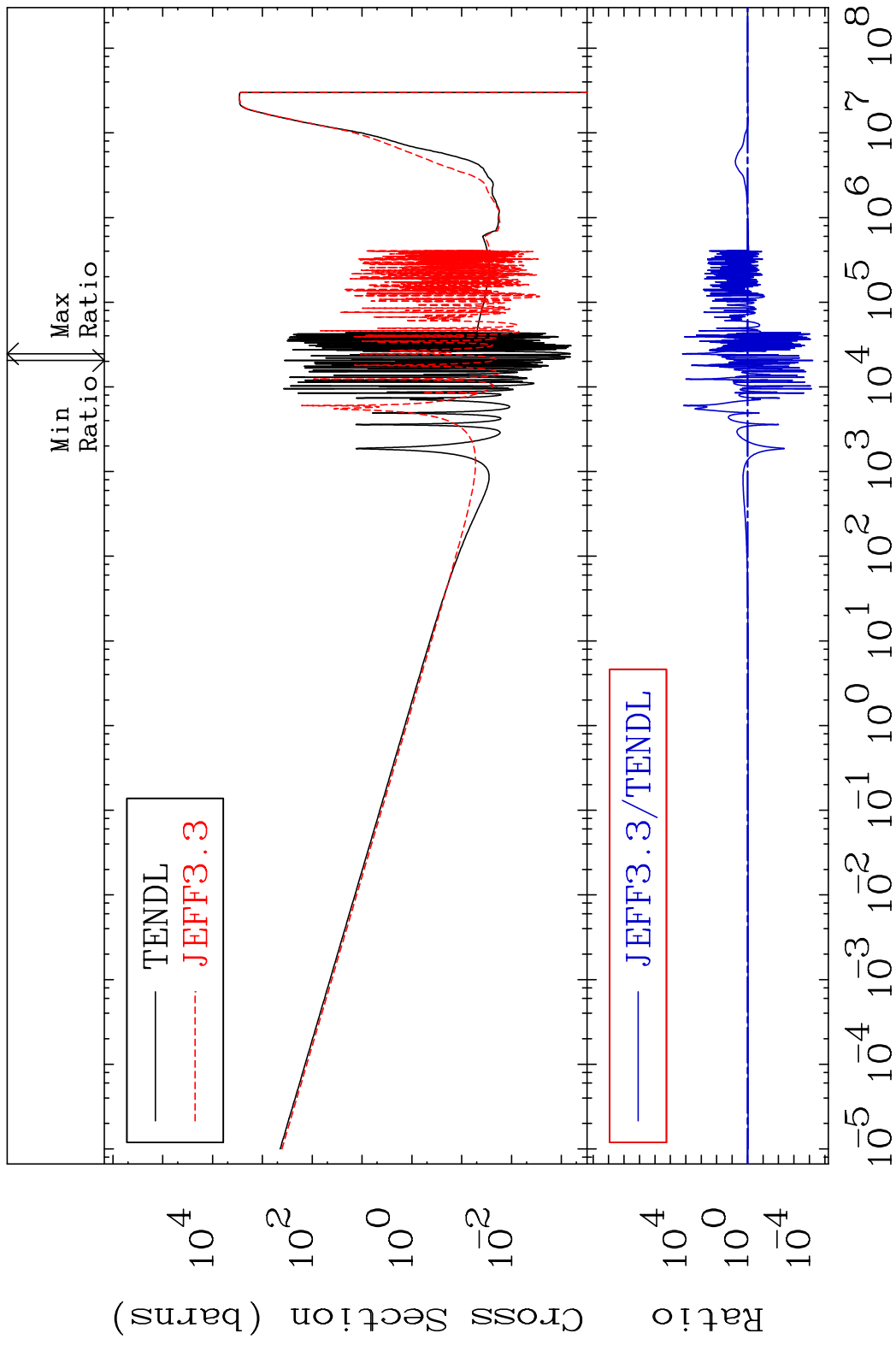
Incident Energy (eV)

56-Ba-140

MAT 5655 Dpa inelastic (mt51-91) 56-Ba-140
 Cross Section -5.206 To 9999. %

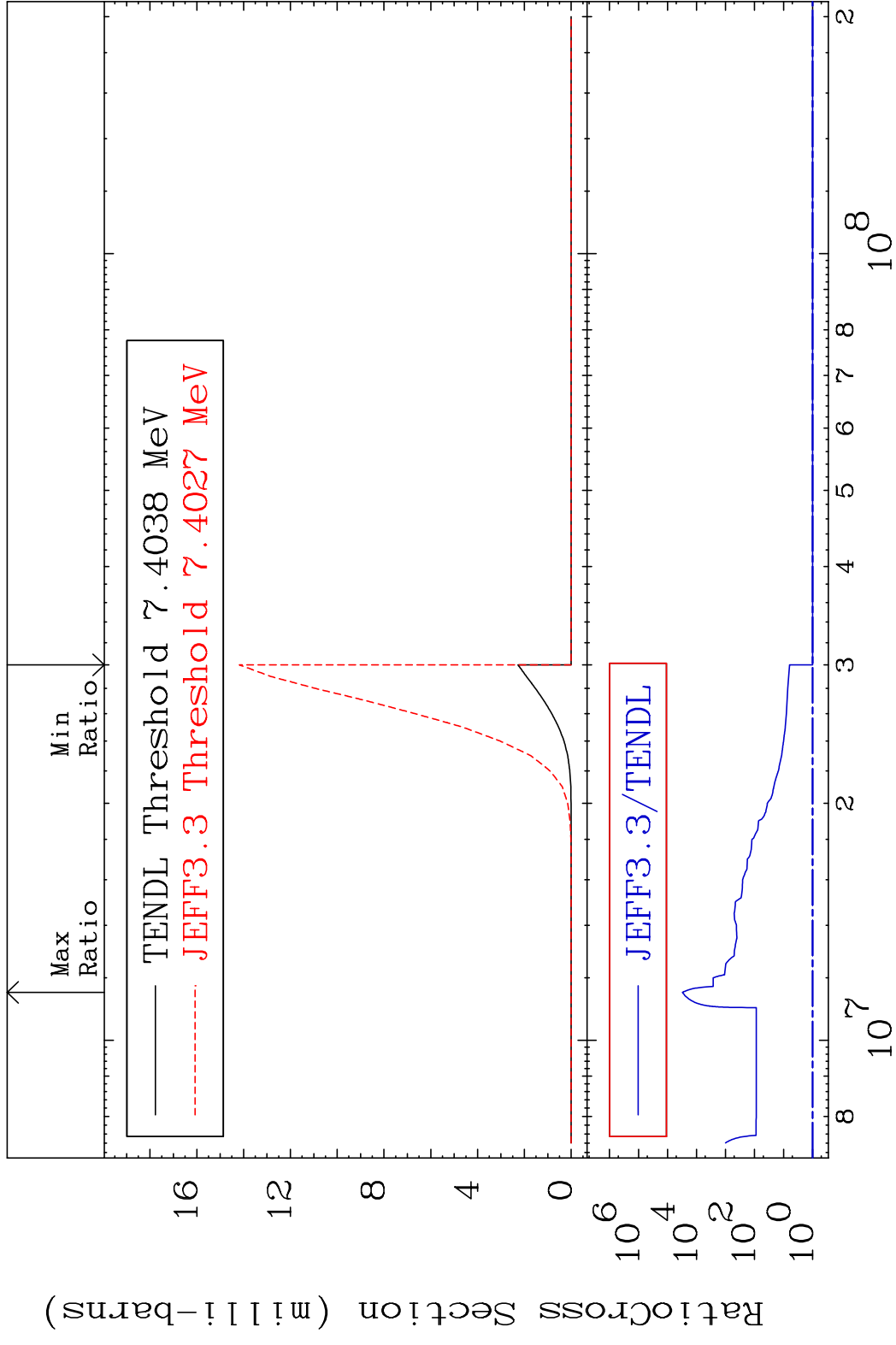


MAT 5655 Dpa disappearance (mt102 -120) 56-Ba-140
 Cross Section -99.99 To 9999. %

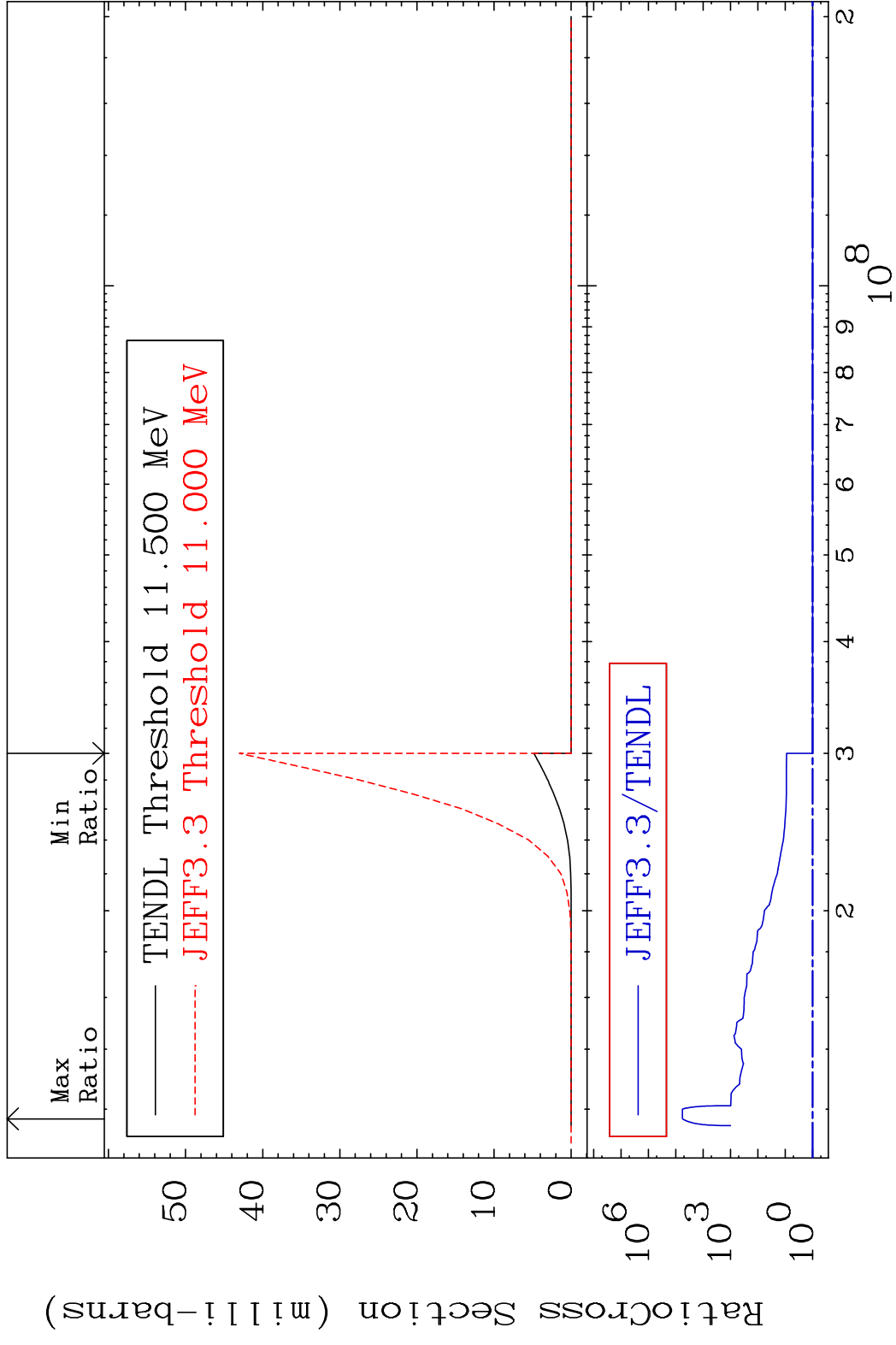


76 Incident Energy (eV) 56-Ba-140

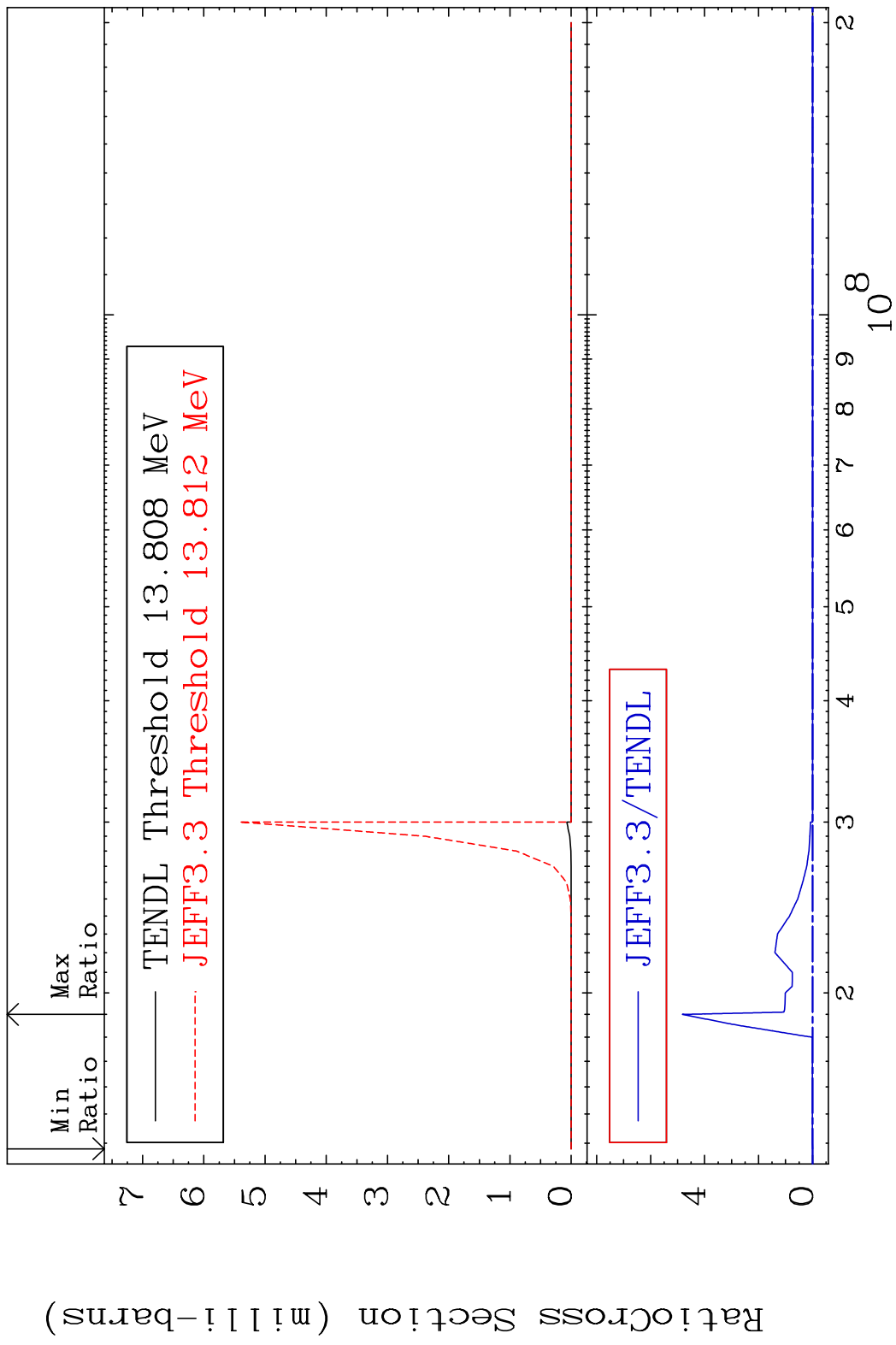
MAT 5655 (n,2n) α :54-Xe-135g 56-Ba-140
 Radionuclide Production Cross Section, %

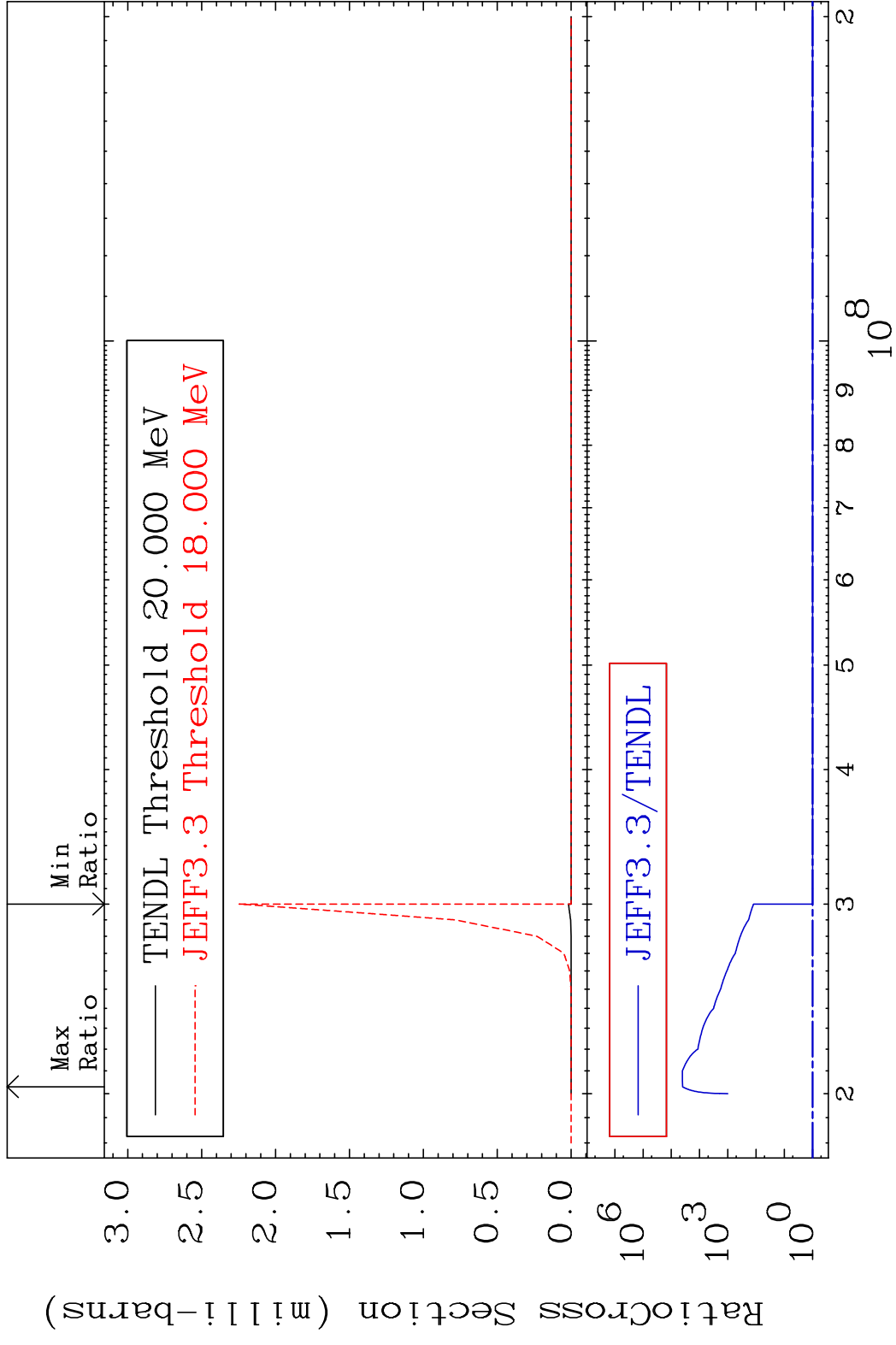


MAT 5655 (n,2n) α :54-Xe-135m2 56-Ba-140
 Radionuclide Production Cross Section 9999. %

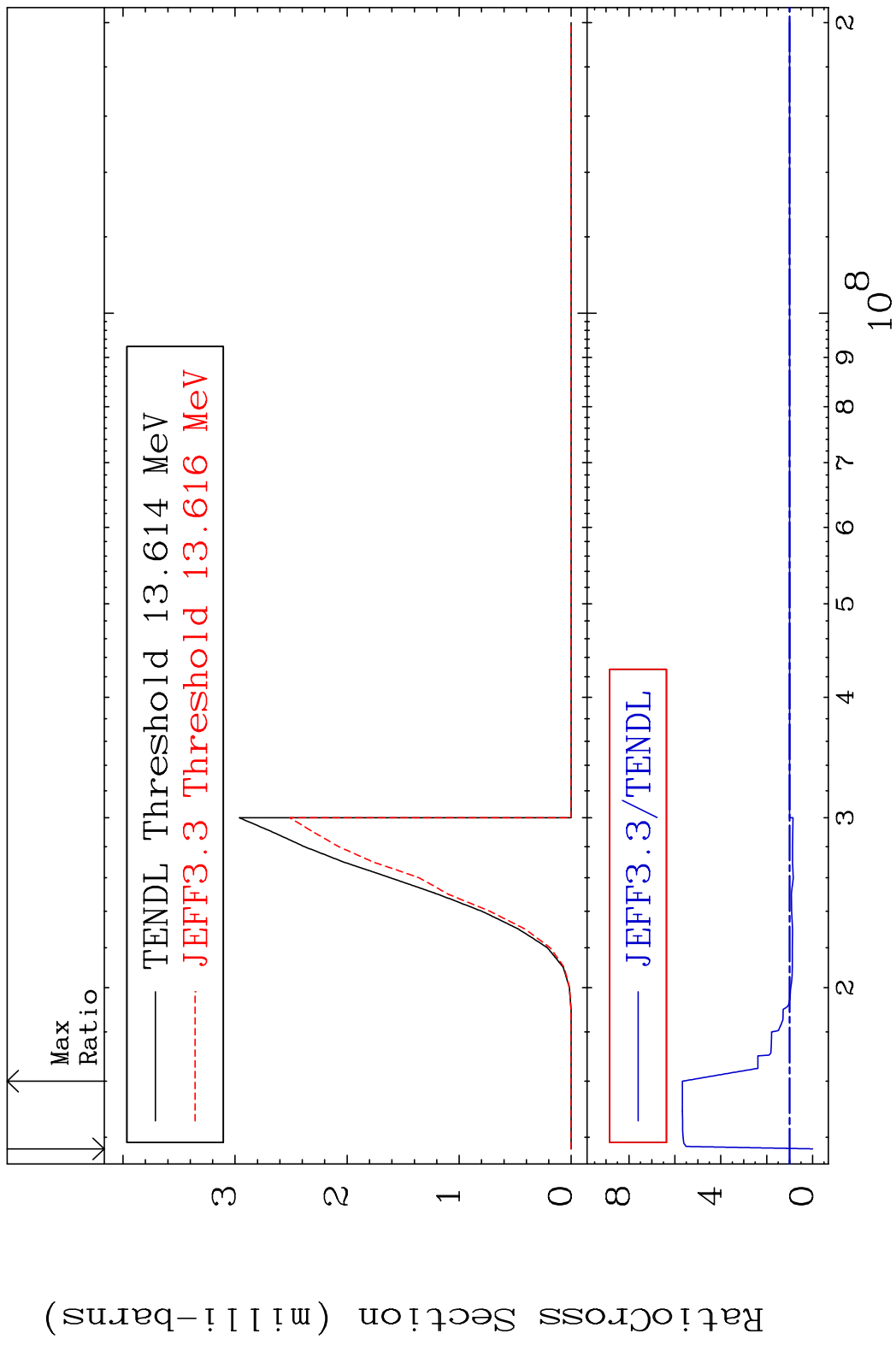


MAT 5655 (n,3n) α :54-Xe-134g 56-Ba-140
 Radionuclide Production Cross Section 100.00 to 9999.00 %

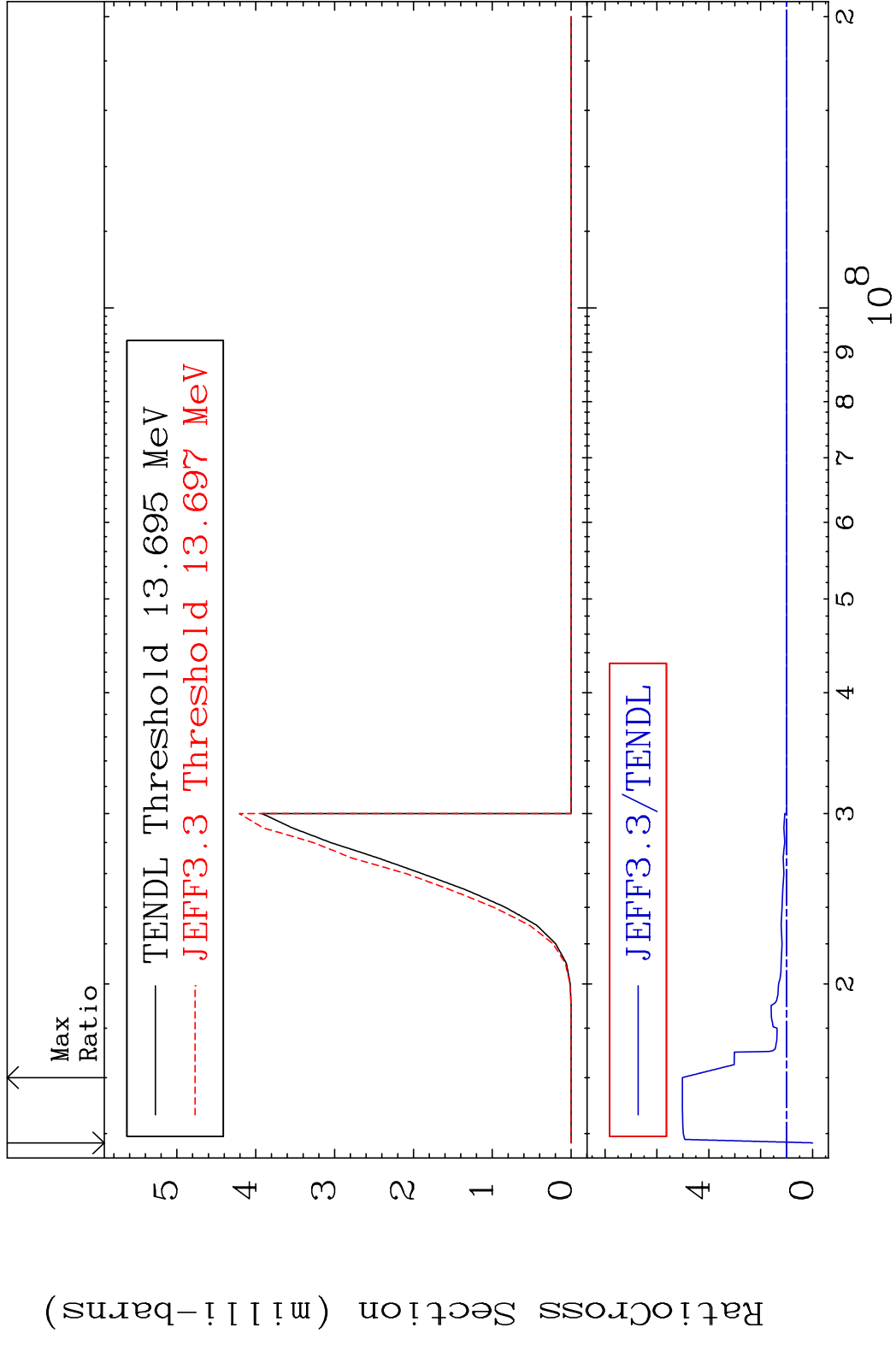




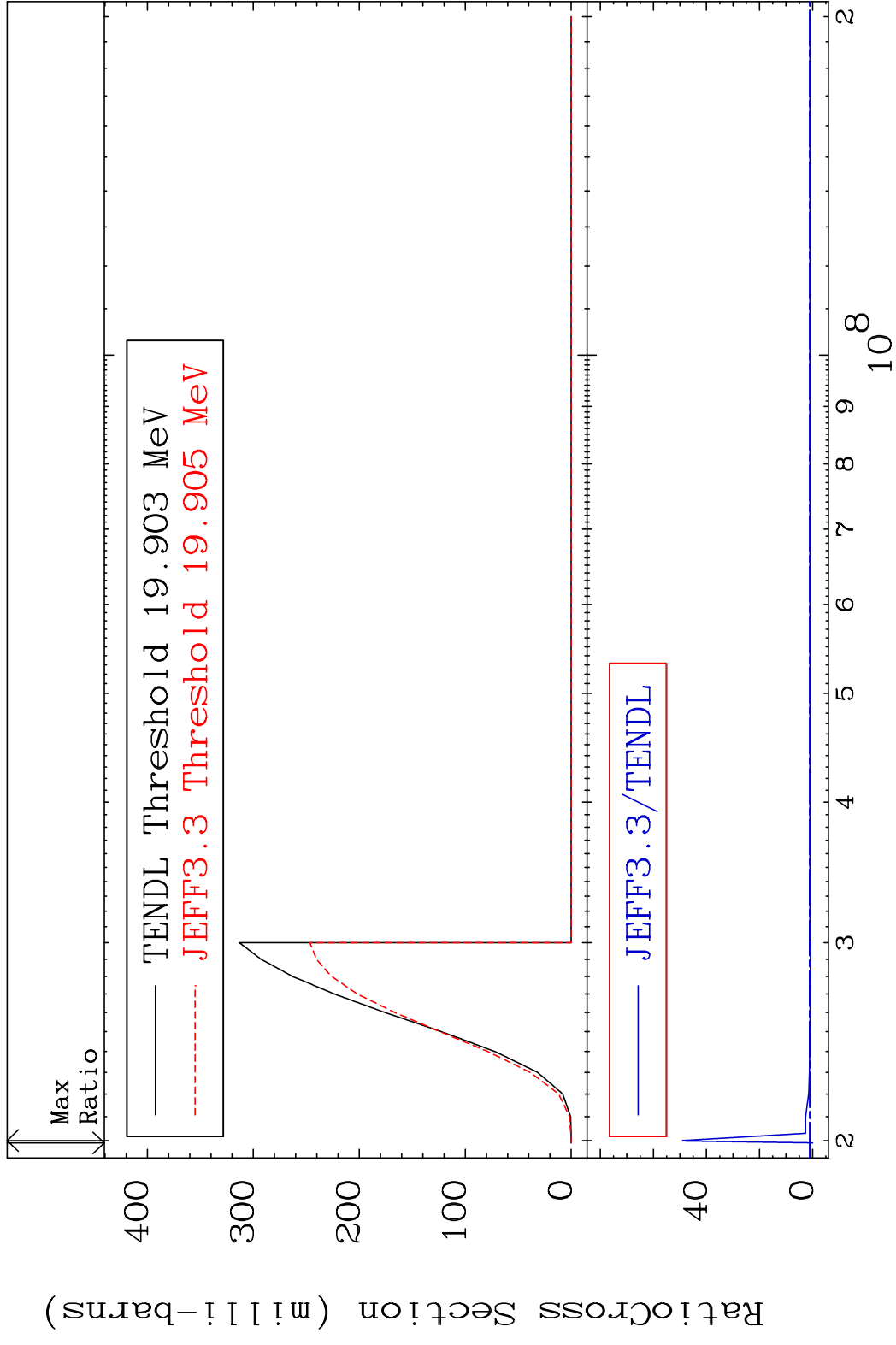
MAT 5655 (n, n') d:55-Cs-138g 56-Ba-140
 Radionuclide Production Cross Section Ratio 467.3 %



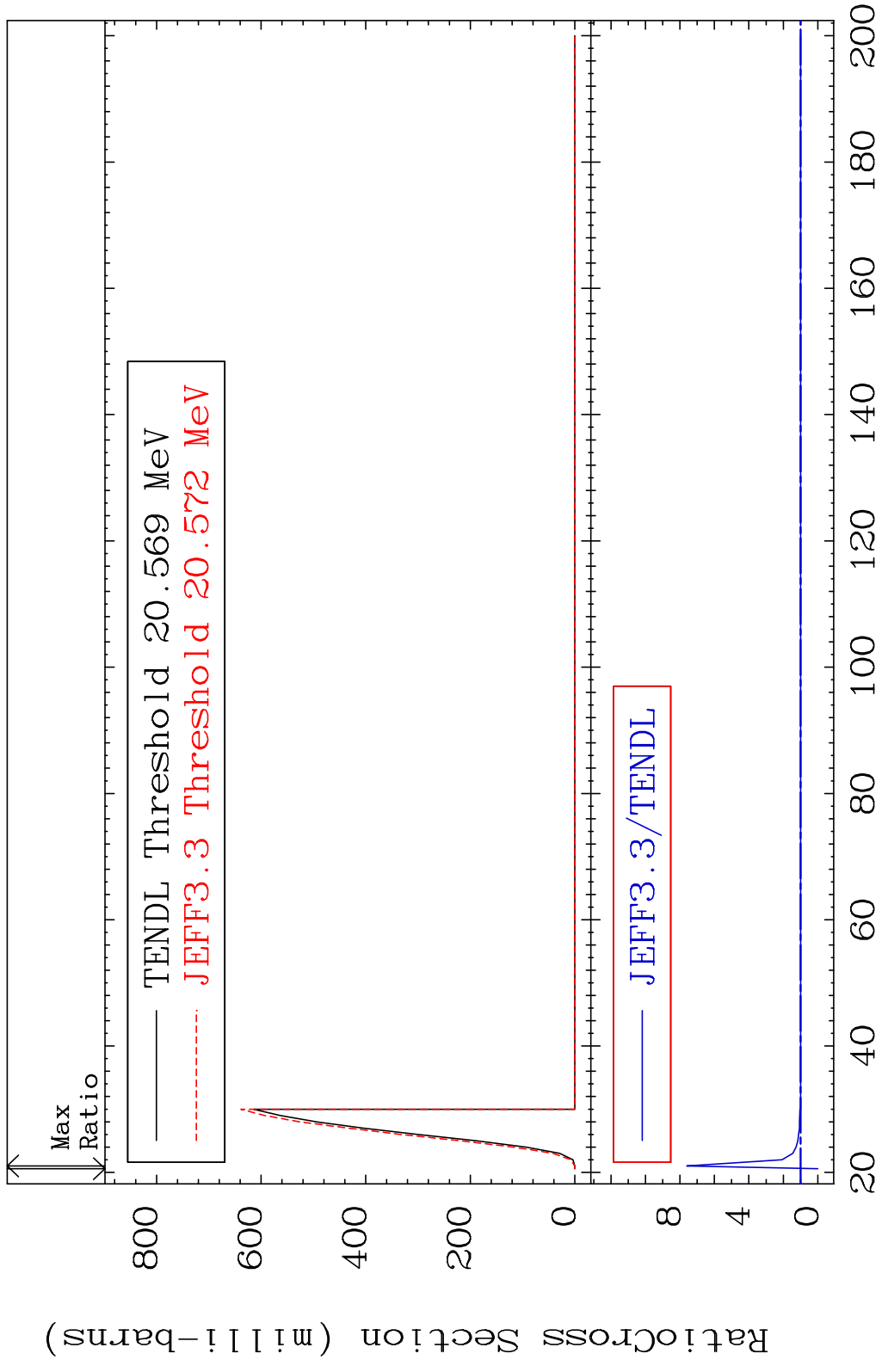
MAT 5655 (n, n') d:55-Cs-138m3 56-Ba-140
 Radionuclide Production Cross Section 180.01 dth 402.1 %



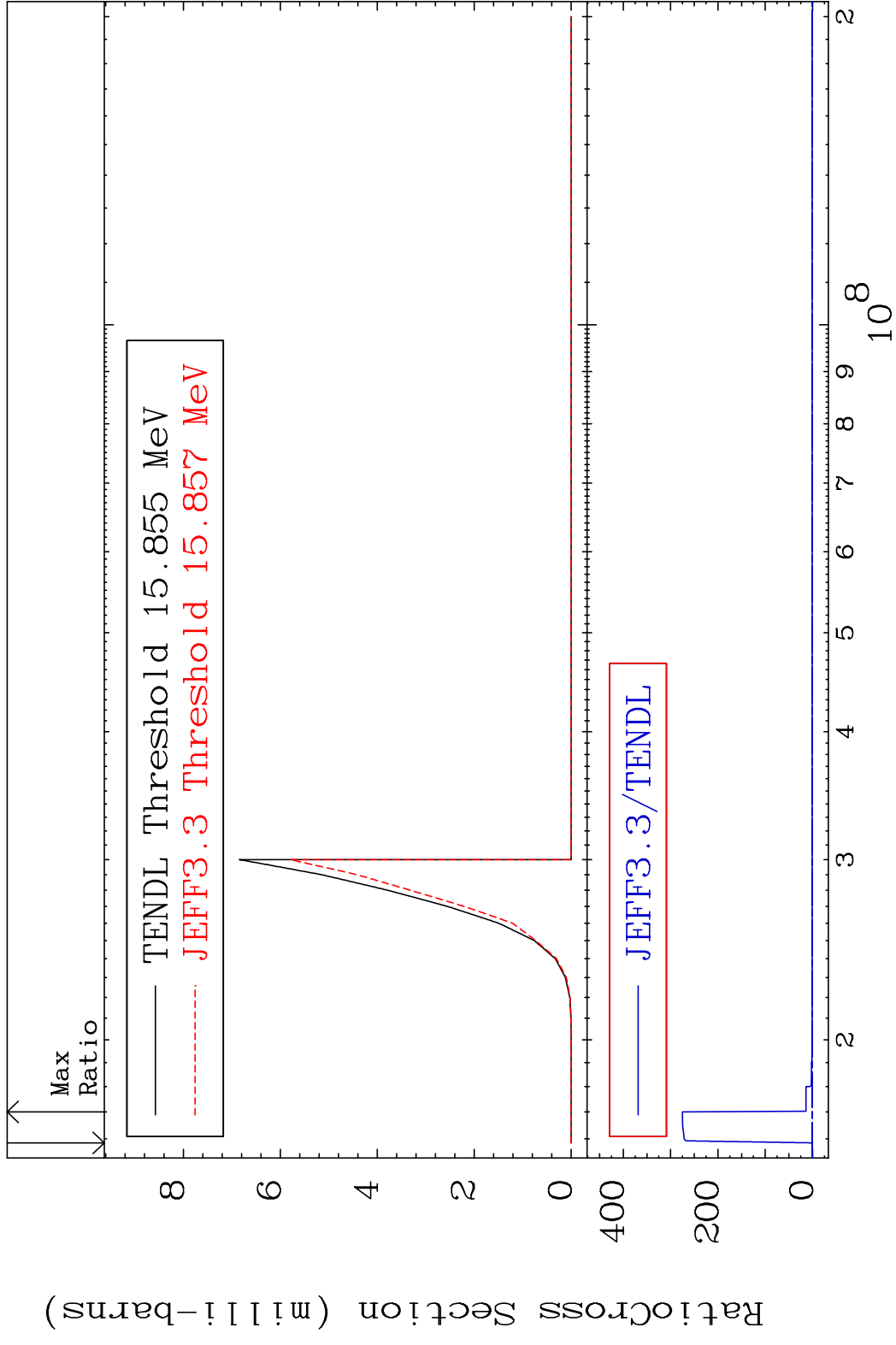
MAT 5655 (n,4n):56-Ba-137g 56-Ba-140
 Radionuclide Production Cross Section 180.0 dth 4807. %



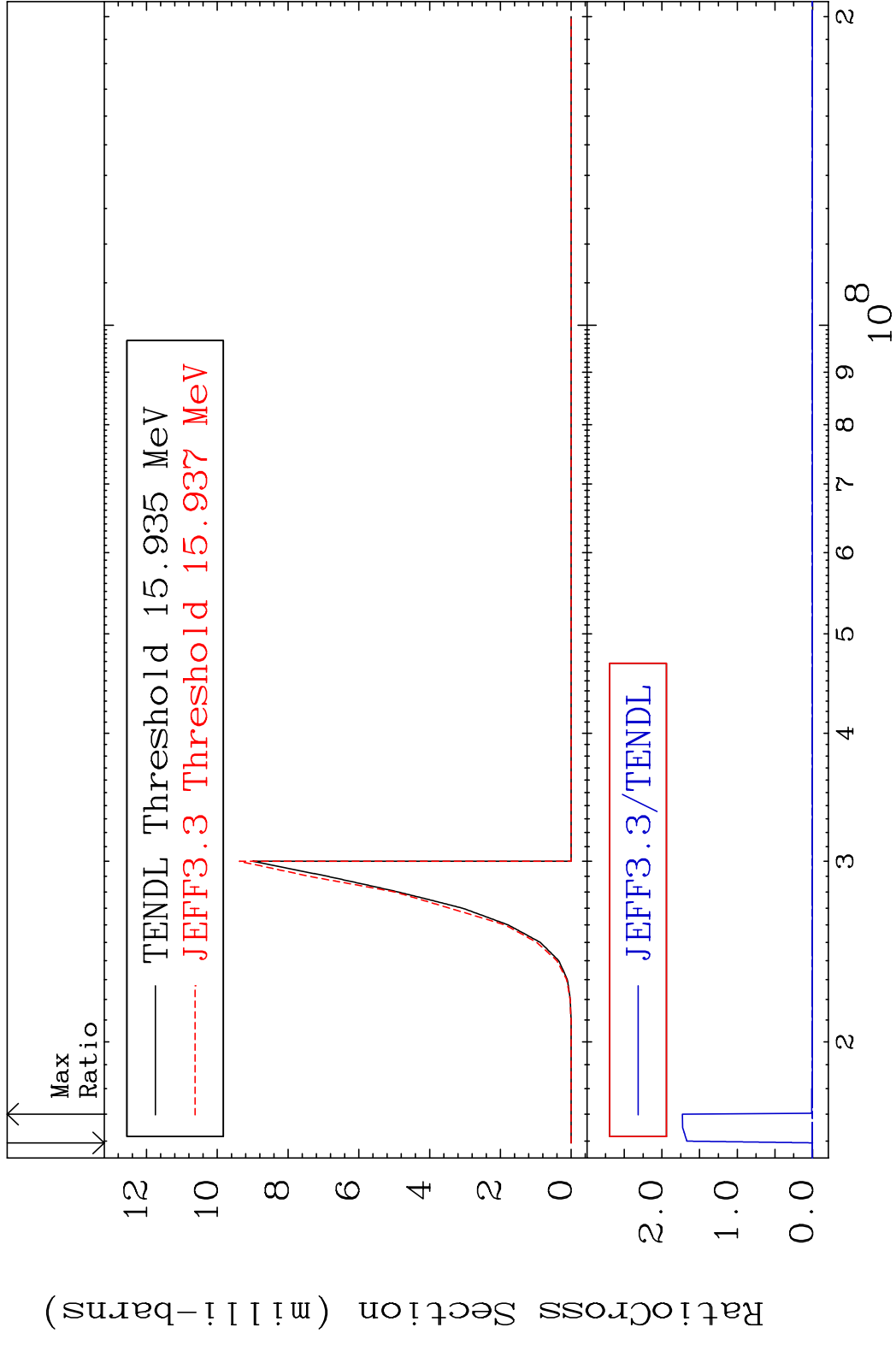
MAT 5655 (n, 4n):56-Ba-137m2 56-Ba-140
 Radionuclide Production Cross Section 180.0 dth 660.4 %



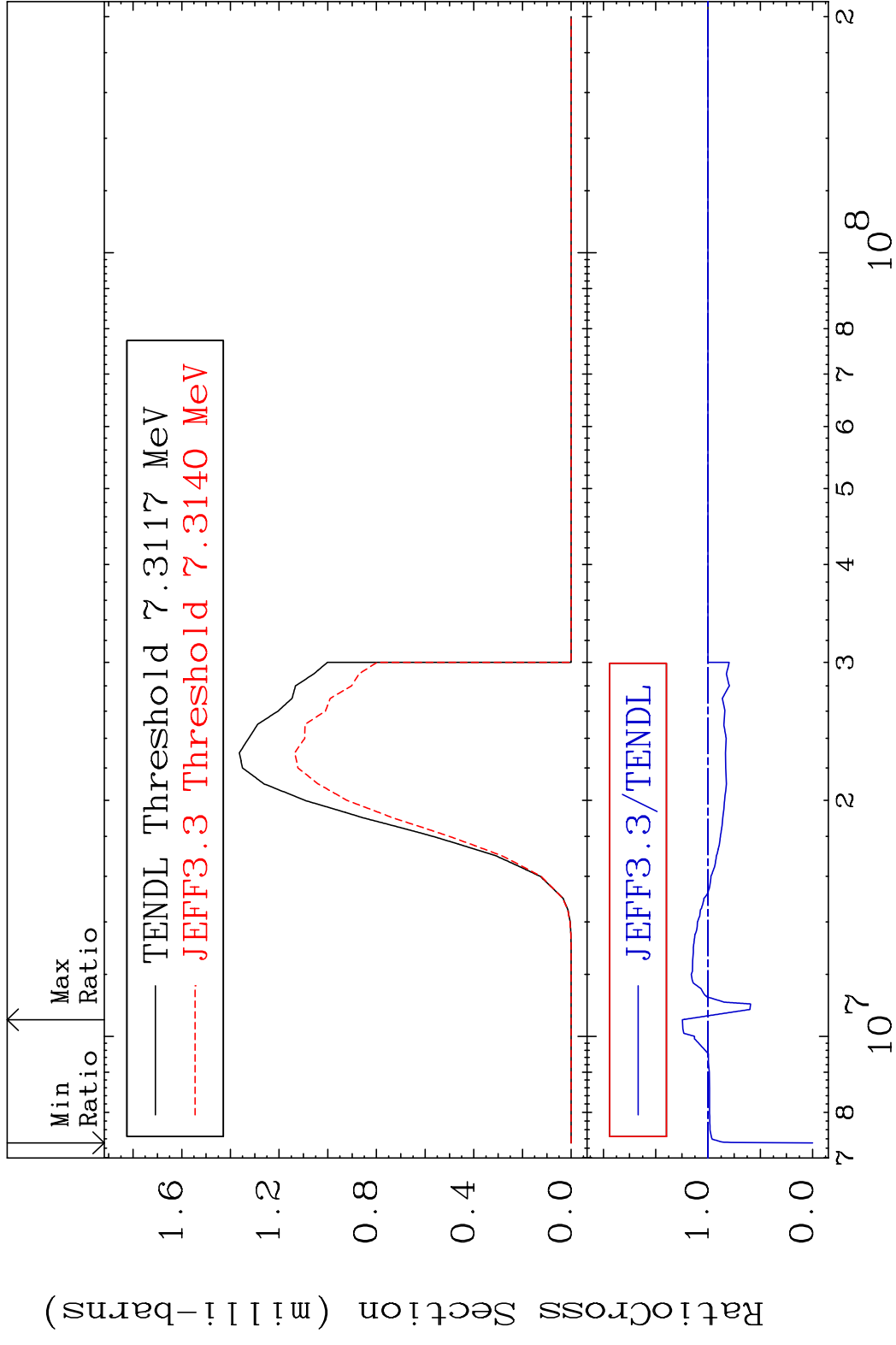
MAT 5655 (n,2n) p:55-Cs-138g 56-Ba-140
 Radionuclide Production Cross Section 100.00 dth 9999. %



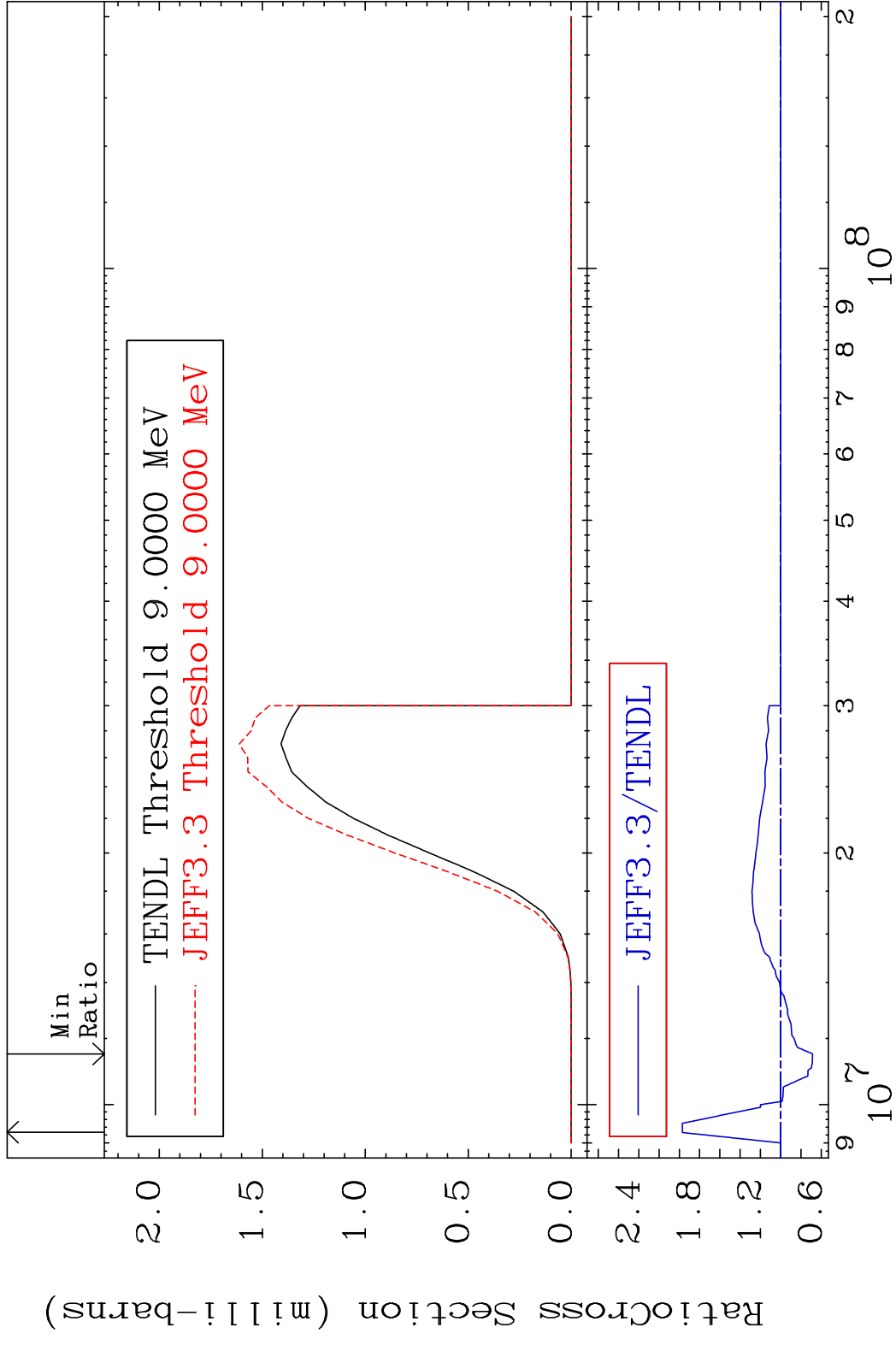
MAT 5655 (n,2n) p:55-Cs-138m3 56-Ba-140
 Radionuclide Production Cross Section Ratio



MAT 5655 (n,t):55-Cs-138g 56-Ba-140
 Radionuclide Production Cross Section Ratio 24.52 %



MAT 5655 (n, t):55-Cs-138m3 56-Ba-140
 Radionuclide Production Cross Section 97.00 %



MAT 5655 (n,p) α :53-I -136g 56-Ba-140
 Radionuclide Production Cross Section to 9999. %

