

Program Complot
(Version 2021-1)

by

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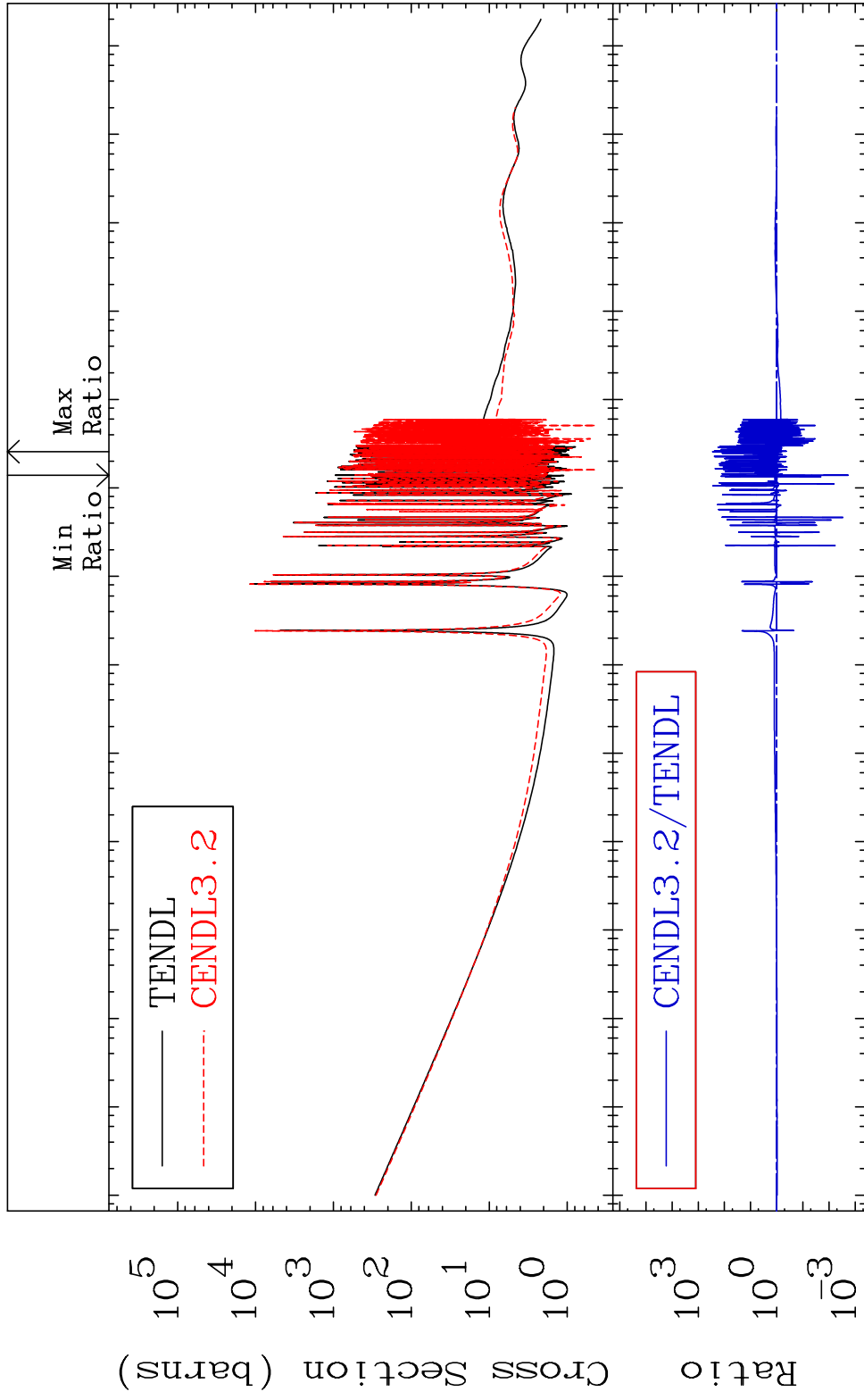
Press Mouse Button to Start

MAT 5640

Total

56-Ba-135

Cross Section -99.82 To 9999. %



1

Incident Energy (eV)

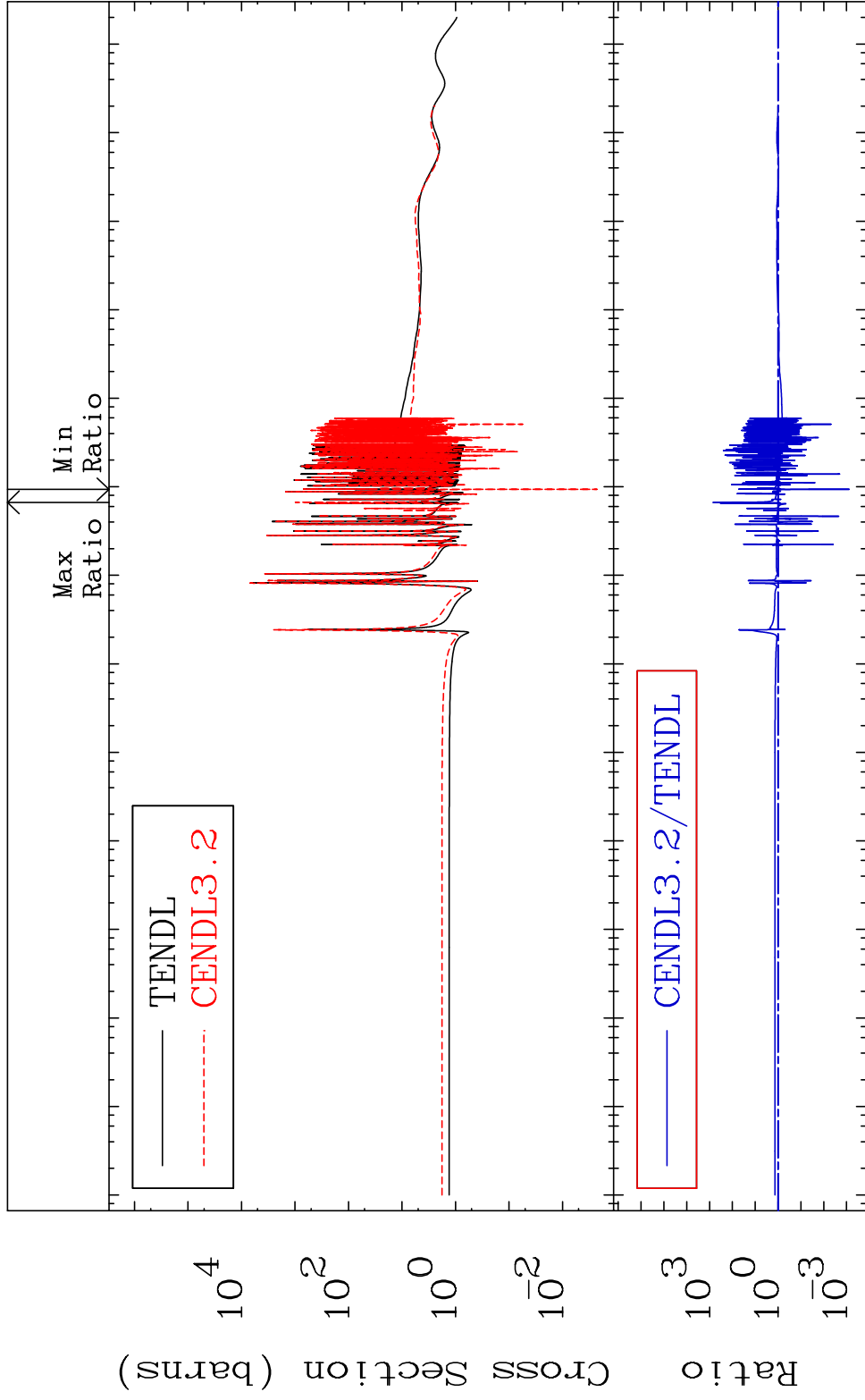
56-Ba-135

MAT 5640

Elastic

56-Ba-135

Cross Section -99.92 To 9999. %

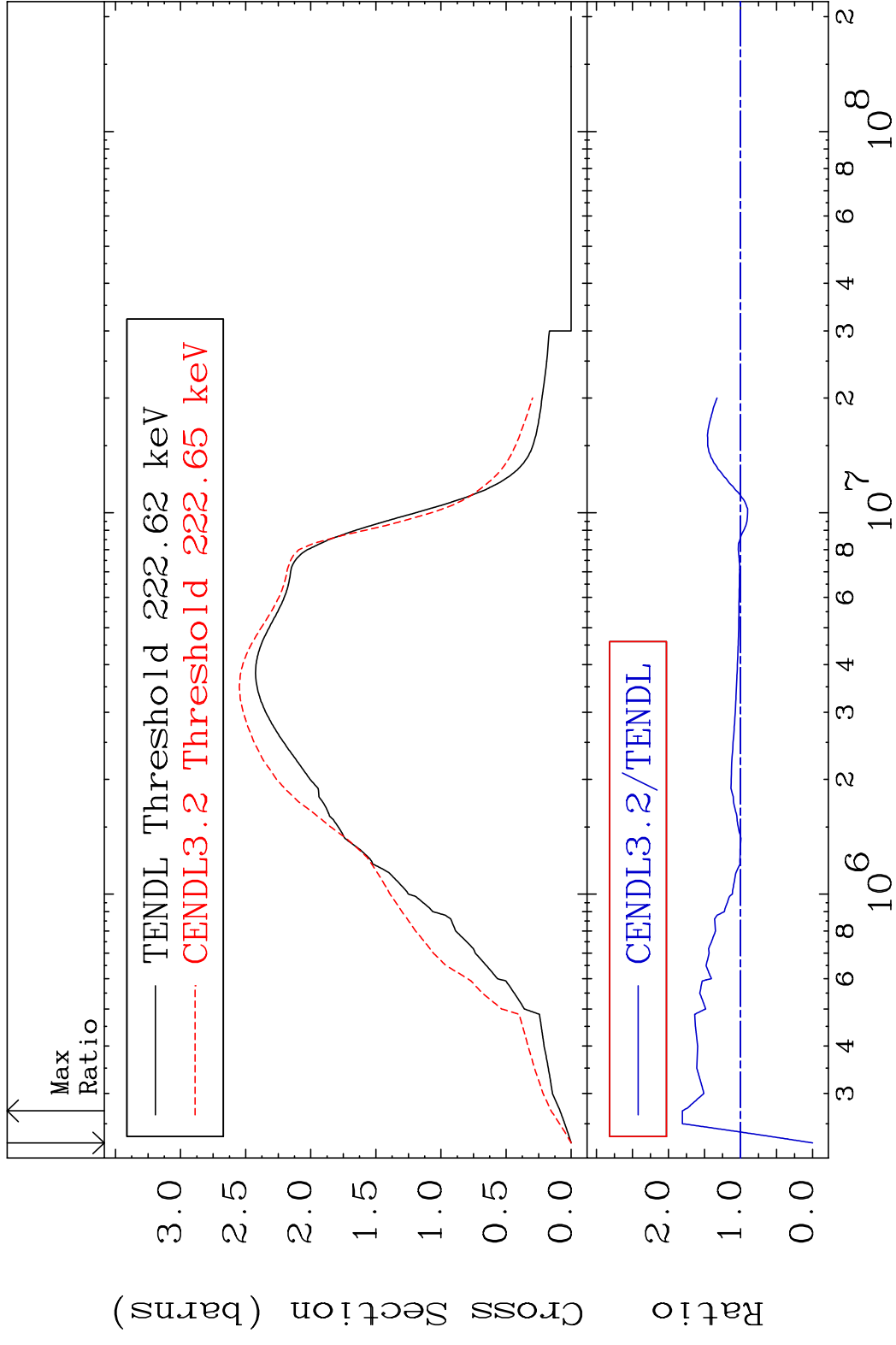


2

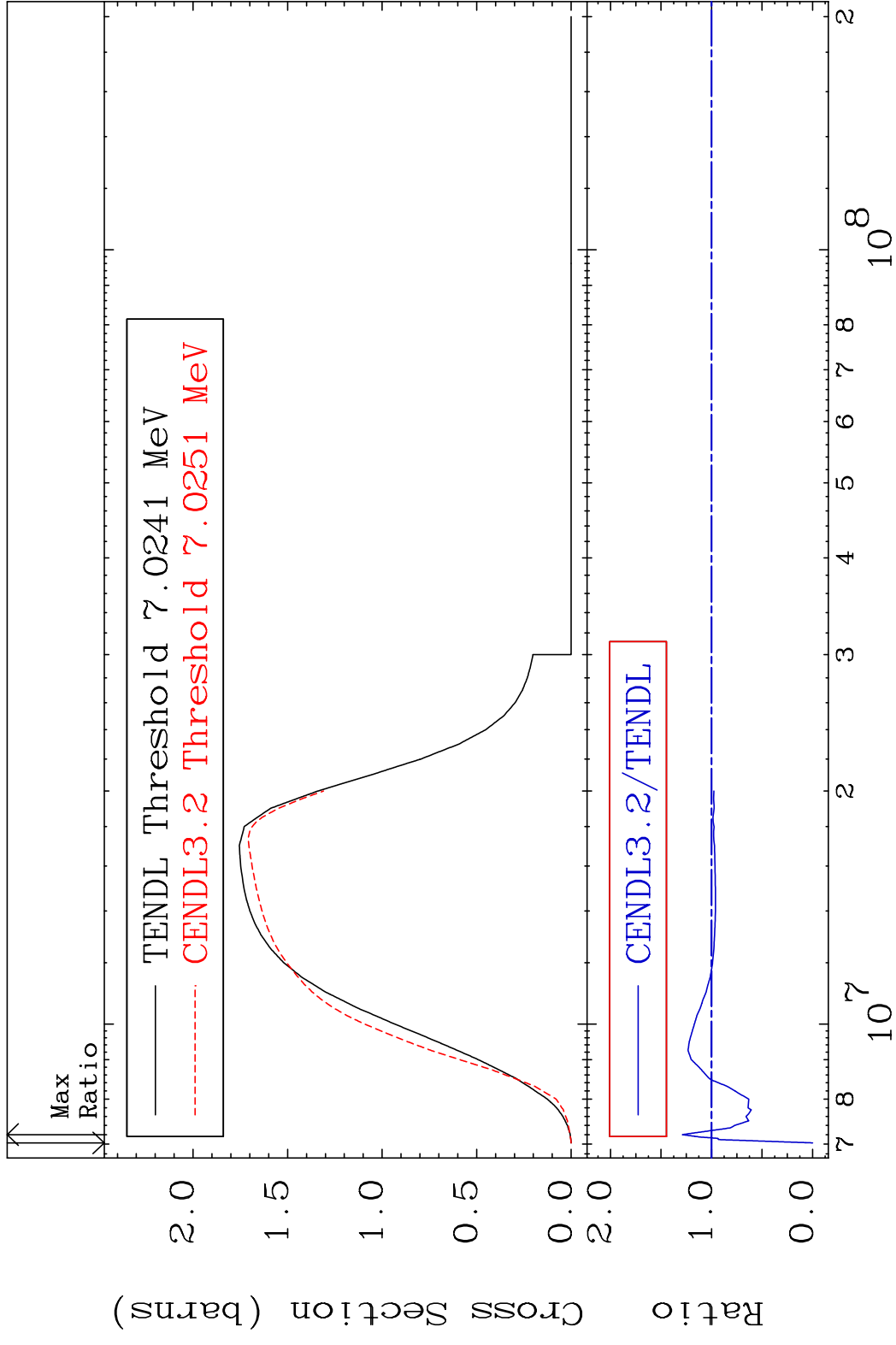
Incident Energy (eV)

56-Ba-135

MAT 5640 Inelastic 56-Ba-135
 Cross Section -100.0 To 80.70 %



MAT 5640 (n,2n) 56-Ba-135
 Cross Section -100.0 To 28.90 %



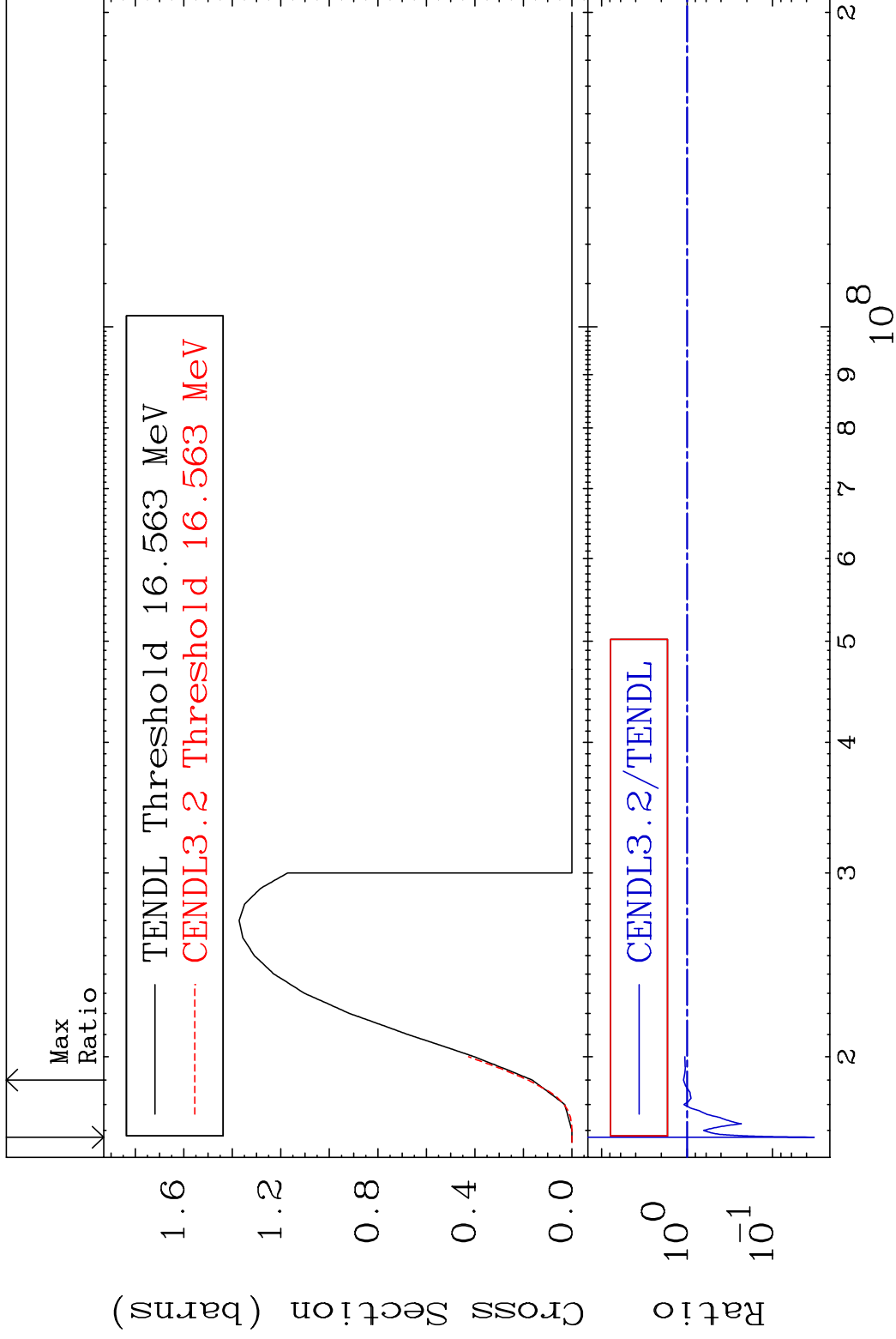
4 Incident Energy (eV) 56-Ba-135

MAT 5640

(n,3n)

56-Ba-135

Cross Section -96.73 To 10.20 %

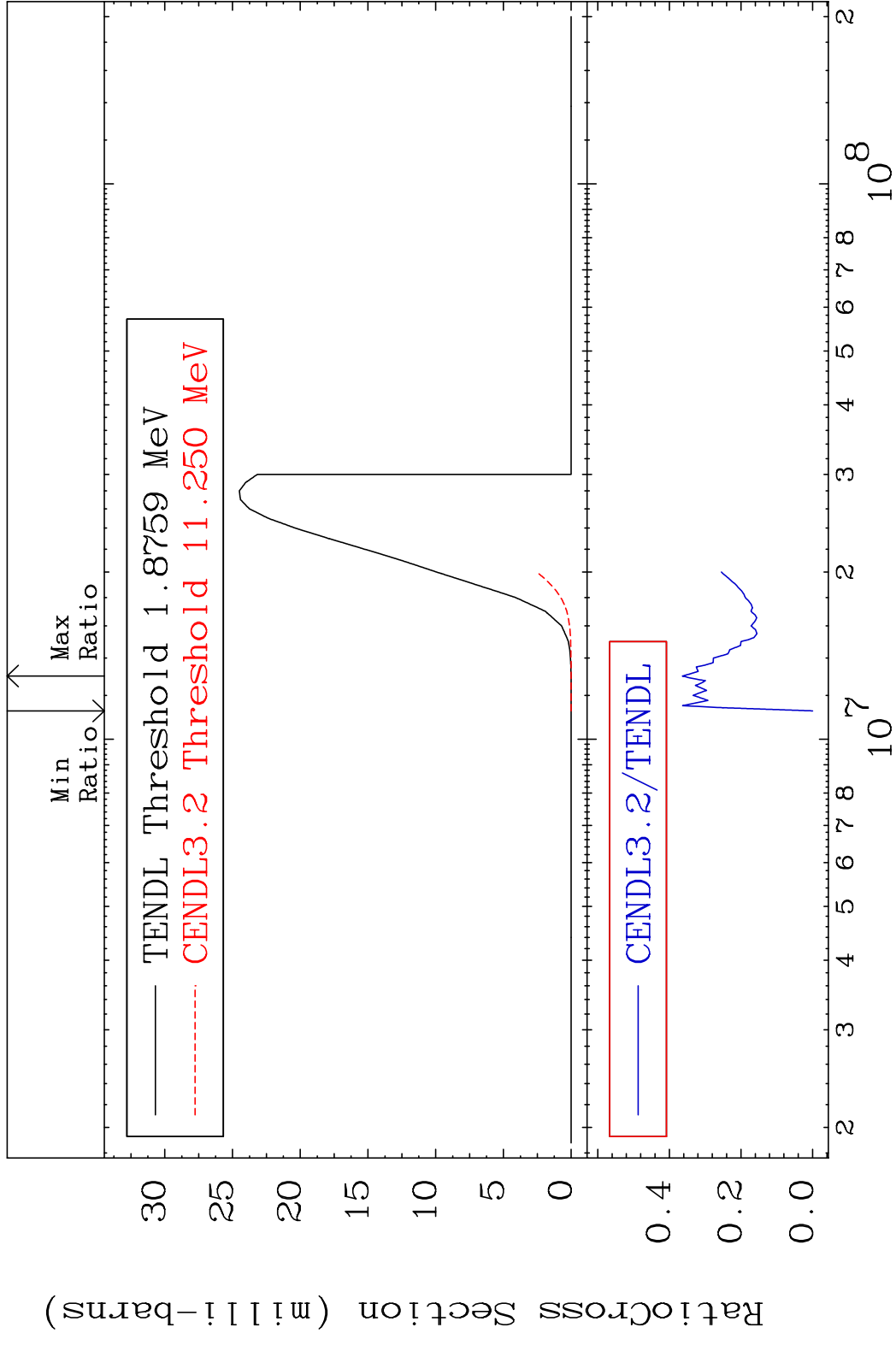


5

Incident Energy (eV)

56-Ba-135

MAT 5640 (n, n') α 56-Ba-135
 Cross Section -100.0 To -63.63%

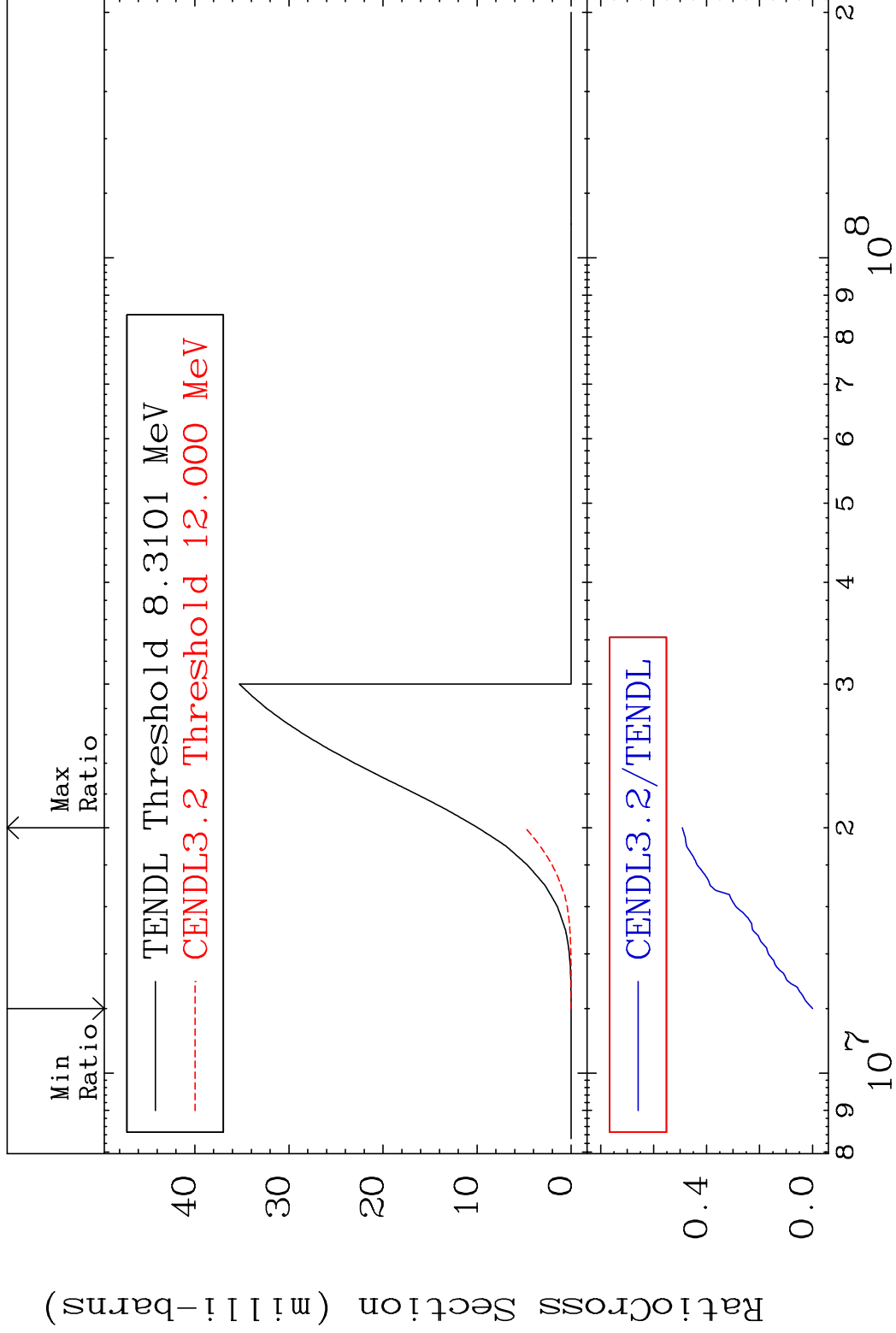


MAT 5640

(n, n') p

56-Ba-135

Cross Section -100.0 To -50.84%

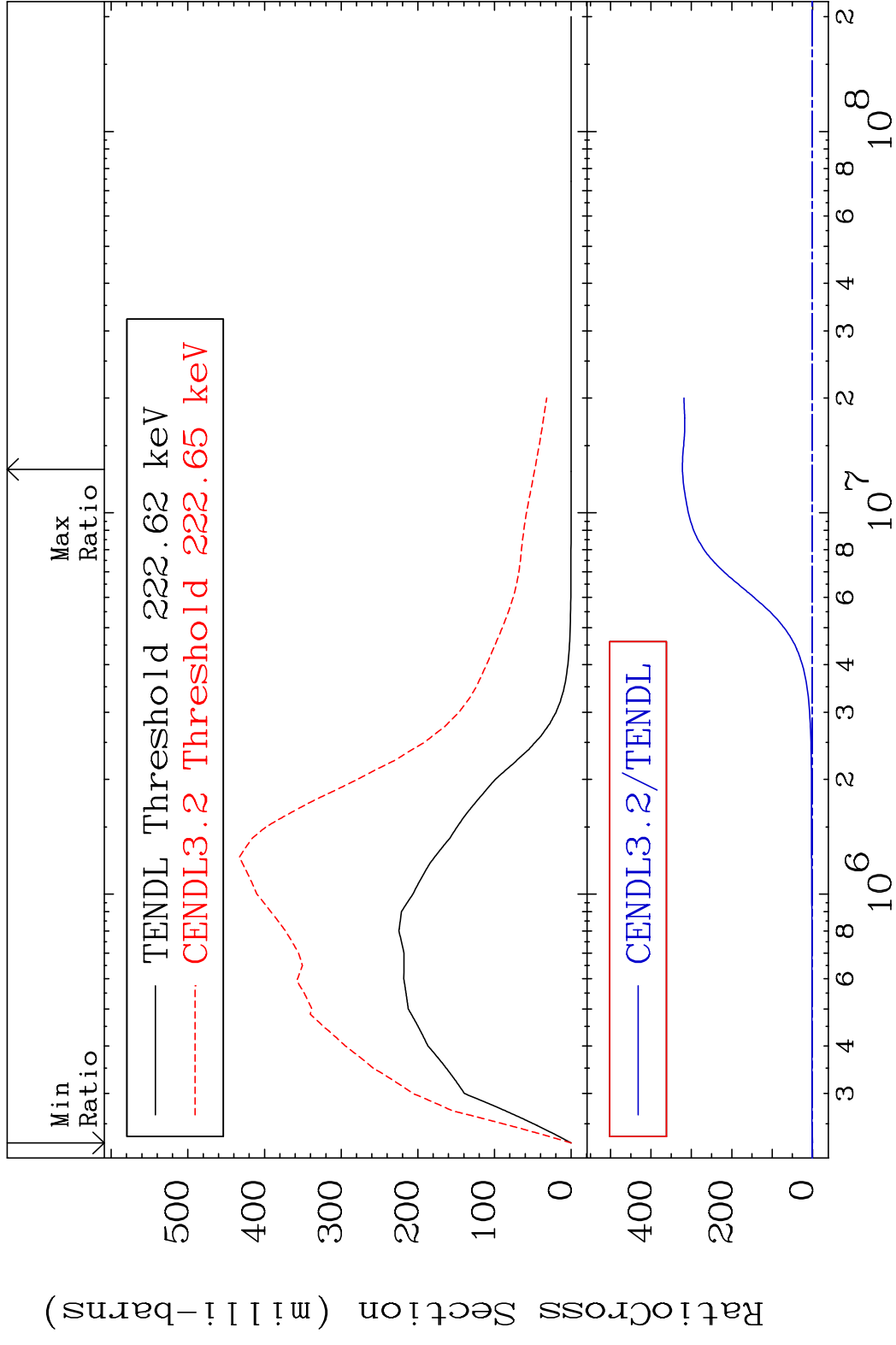


7

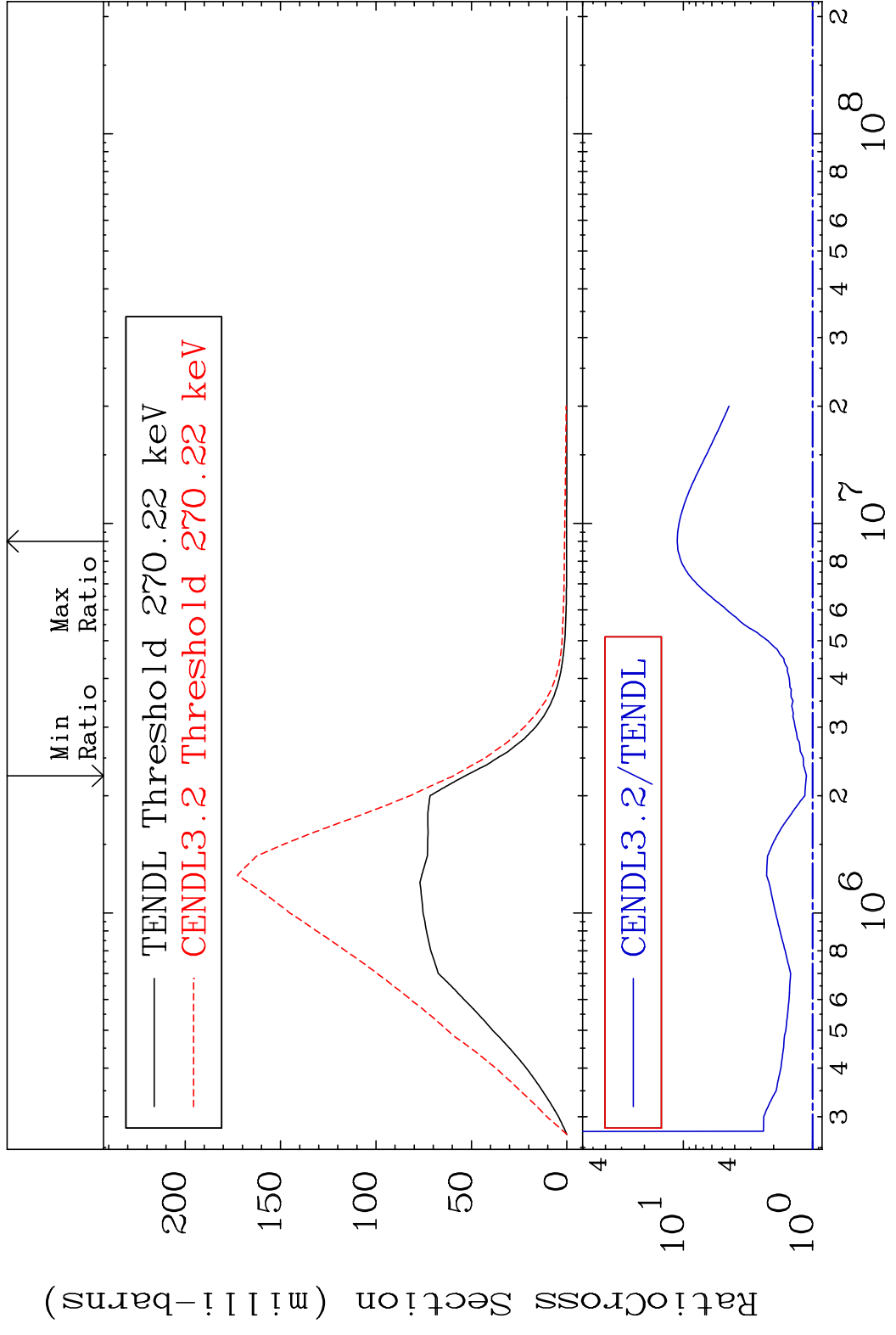
Incident Energy (eV)

56-Ba-135

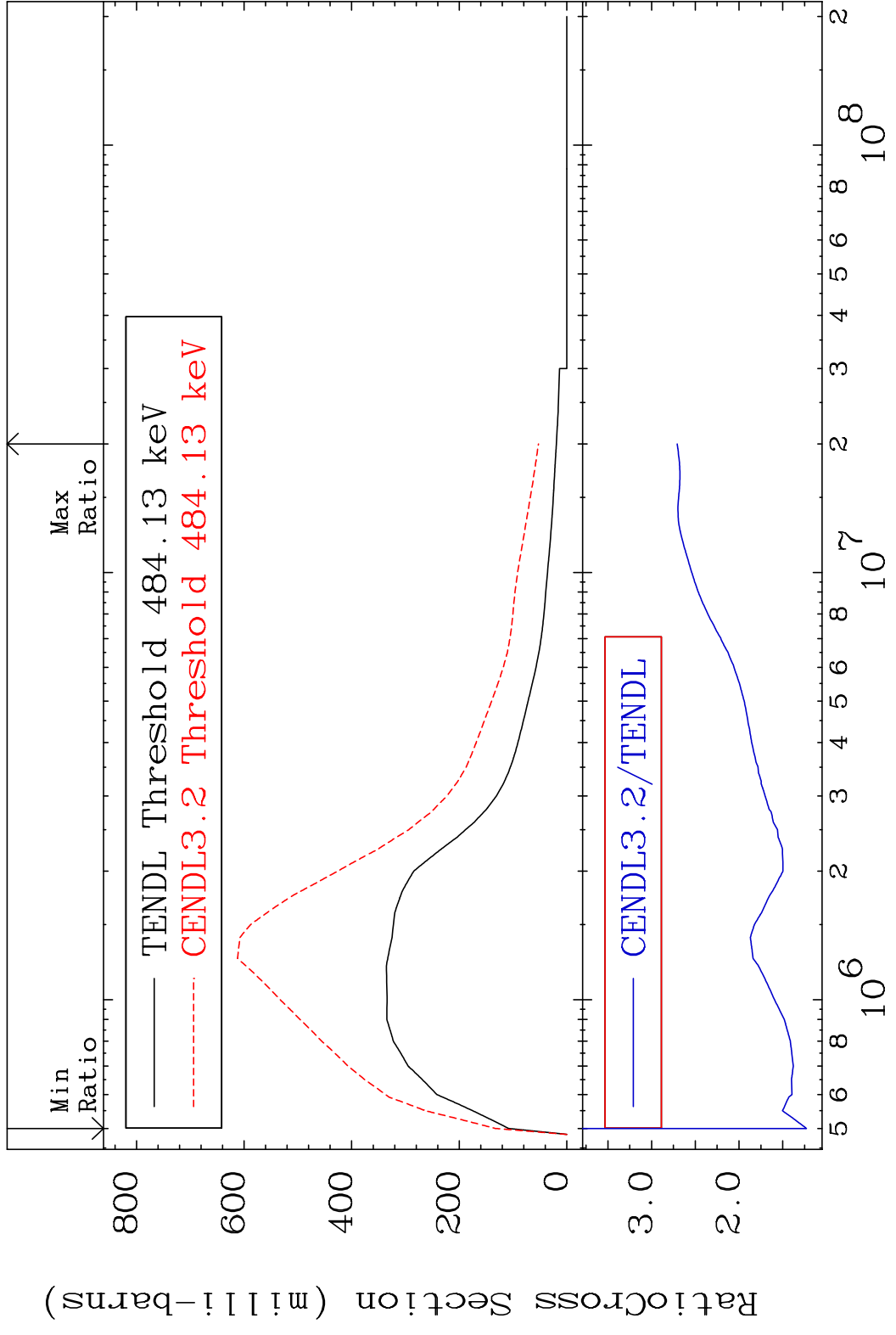
MAT 5640 MT= 51 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 9999. %



MAT 5640 MT= 52 (n, n') Level 56-Ba-135
 Cross Section 11.41 To 1014. %

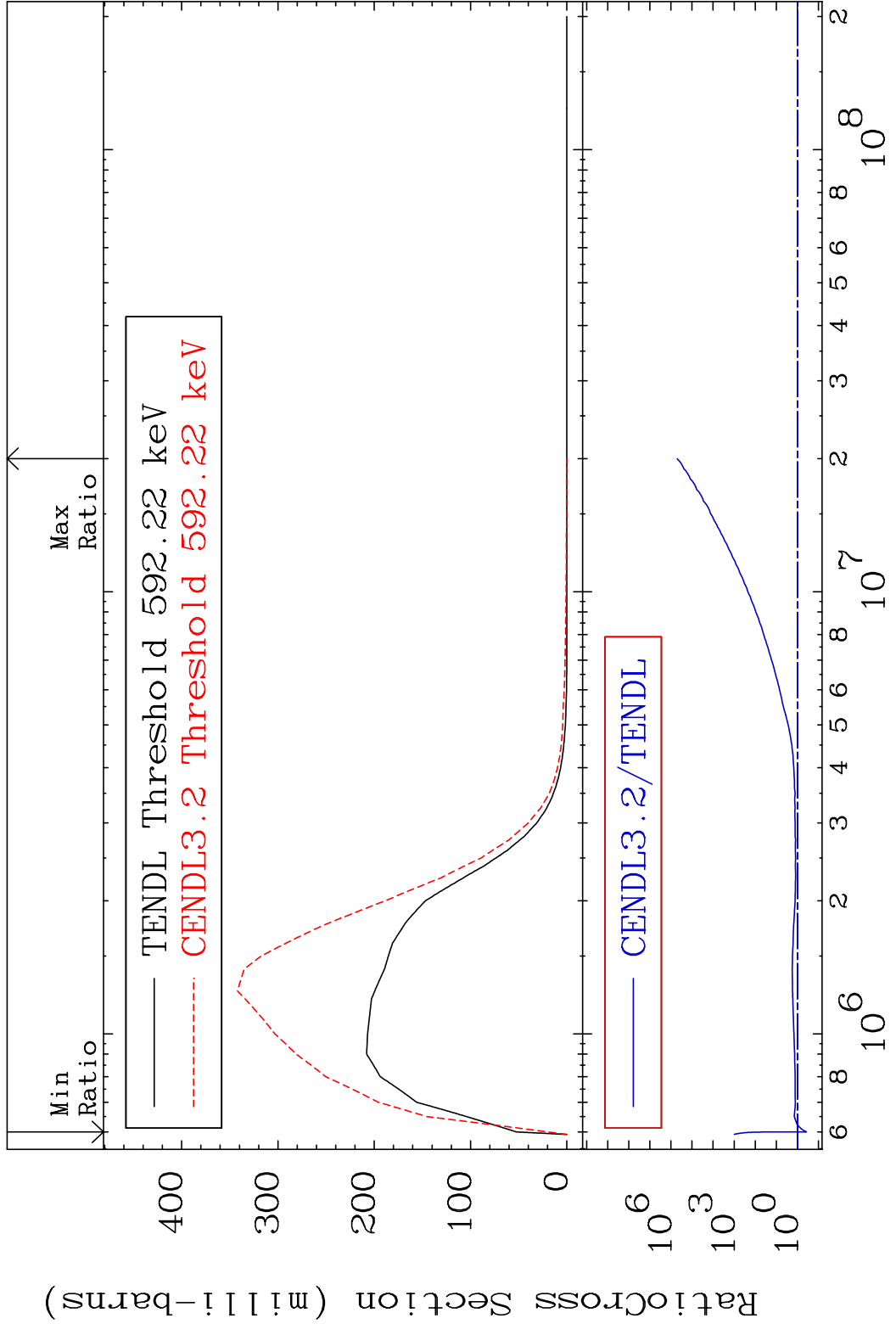


MAT 5640 MT= 53 (n, n') Level 56-Ba-135
 Cross Section 22.90 To 170.7 %

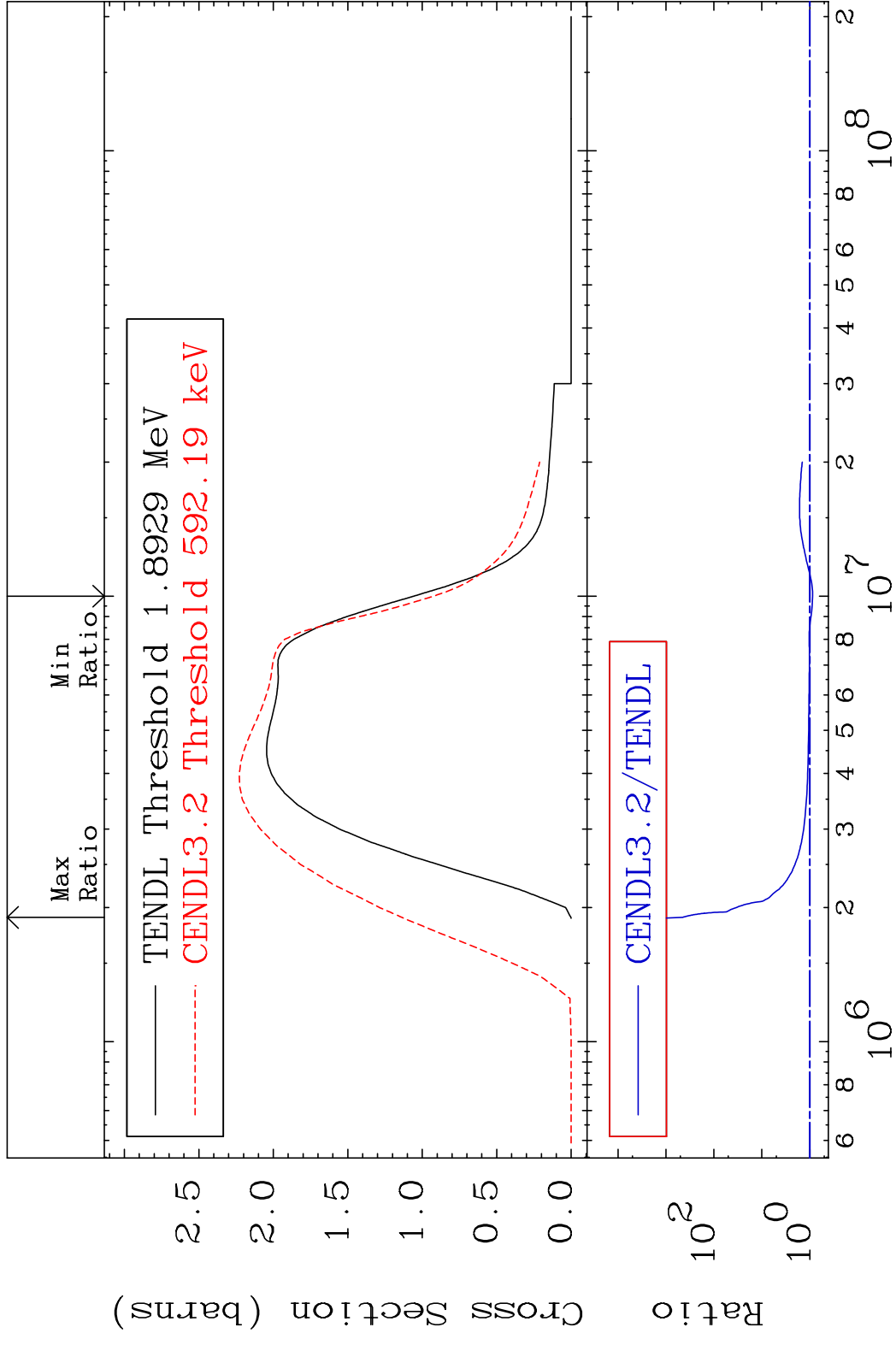


10 Incident Energy (eV) 56-Ba-135

MAT 5640 MT= 54 (n, n') Level 56-Ba-135
 Cross Section -62.63 To 9999. %



MAT 5640 (n, n') Continuum 56-Ba-135
 Cross Section -12.54 To 9999. %

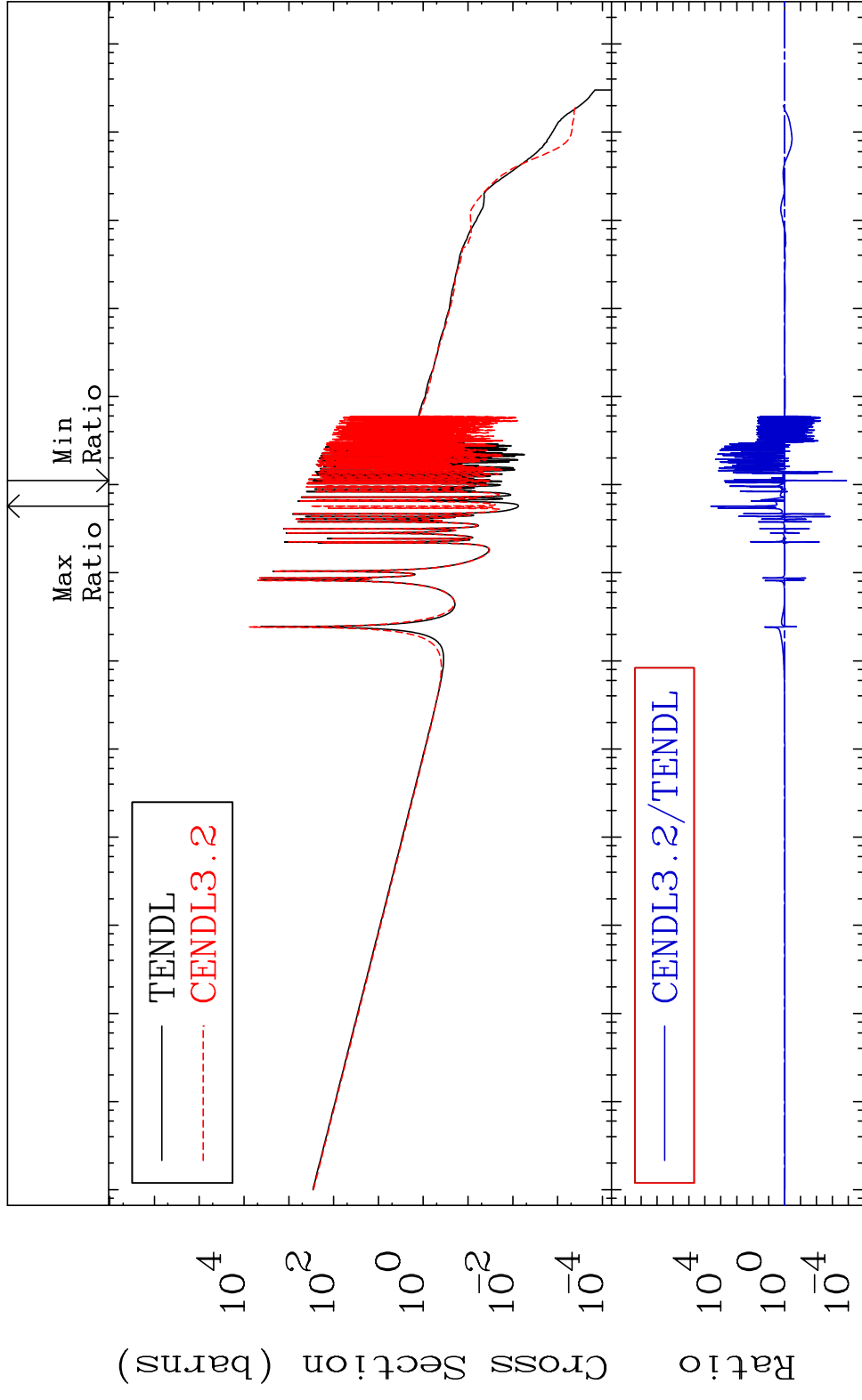


MAT 5640

56-Ba-135

(n, γ)

Cross Section -99.99 To 9999. %

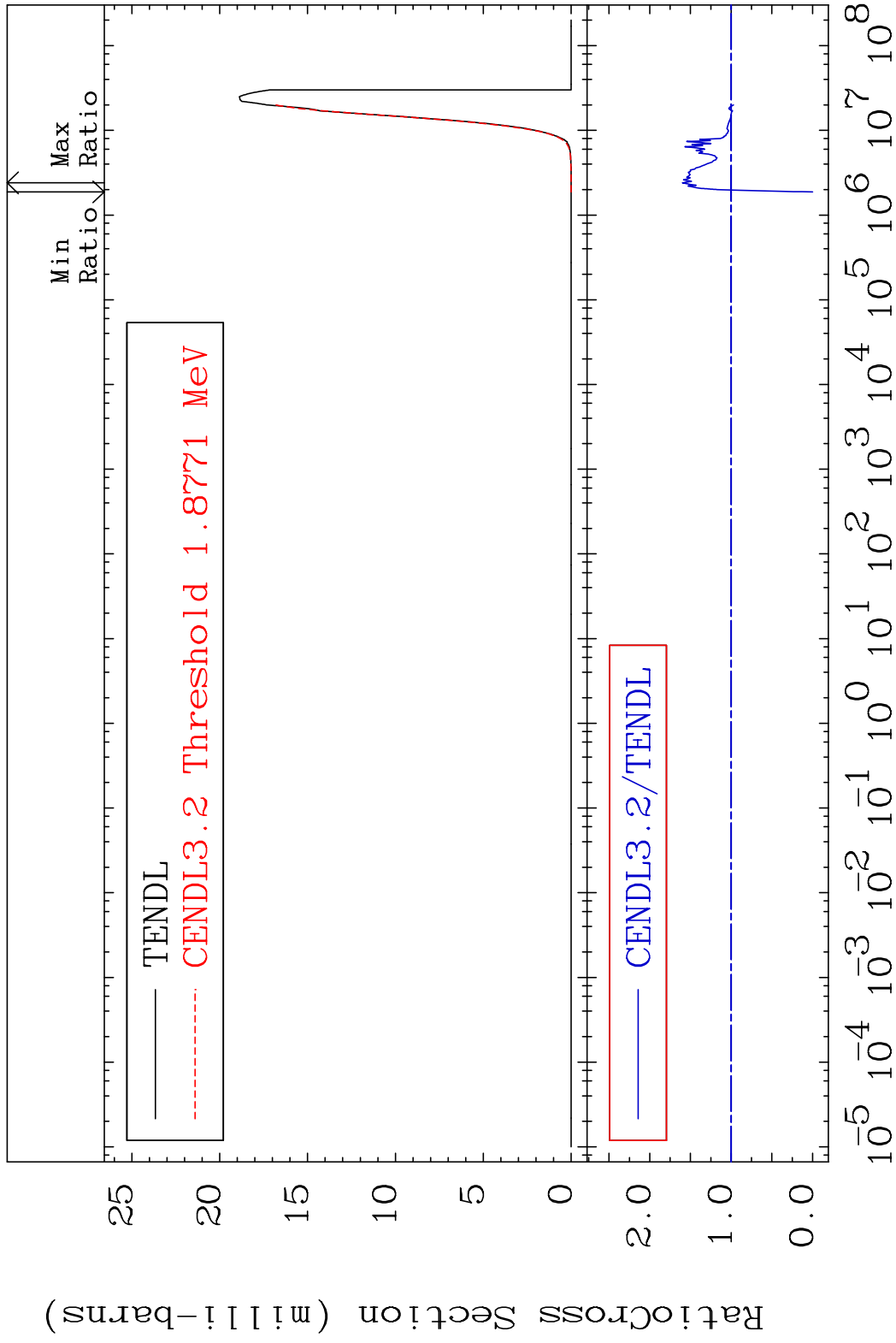


MAT 5640

(n, p)

56-Ba-135

Cross Section -100.0 To 59.96 %

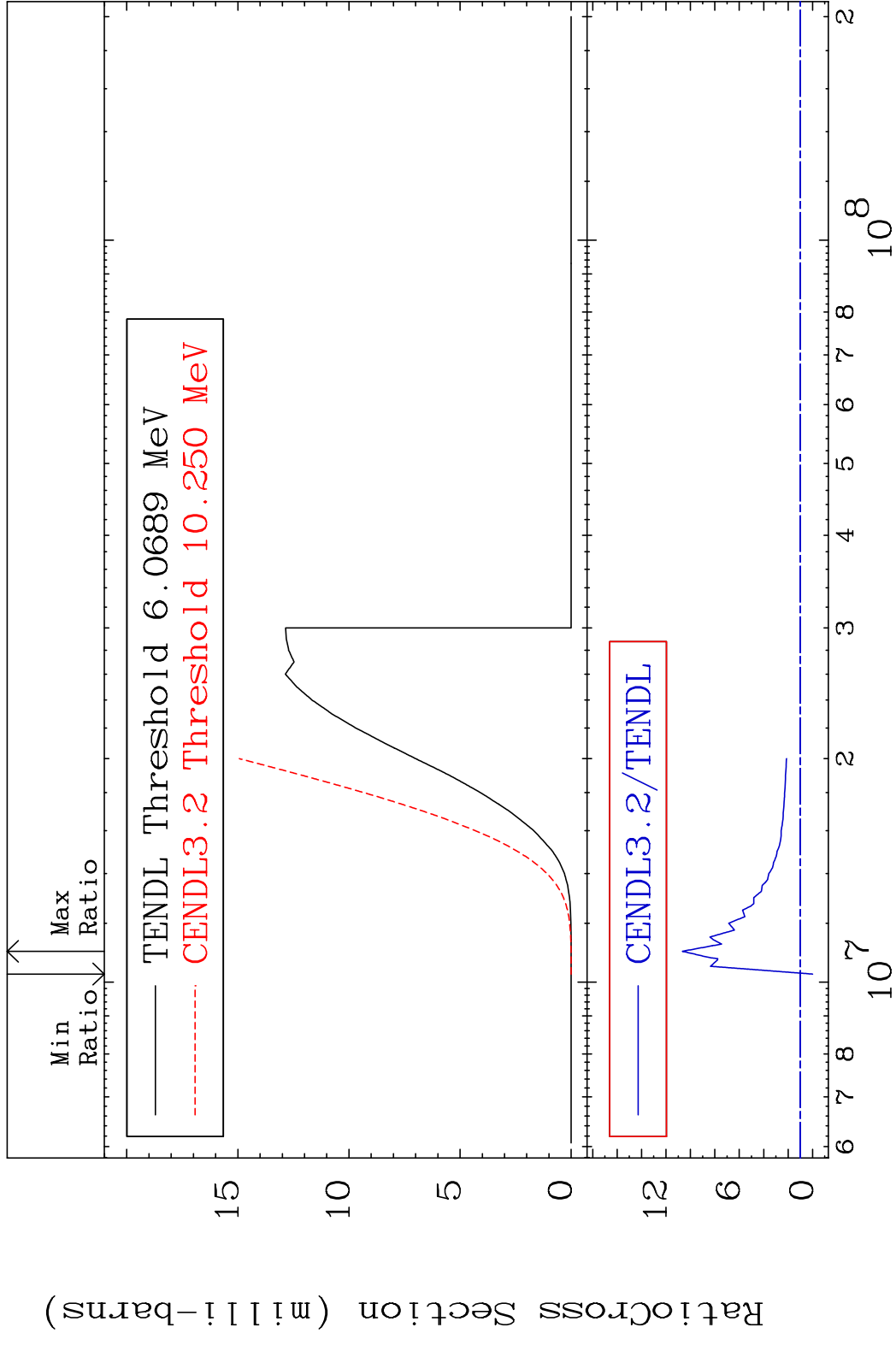


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Incident Energy (eV)

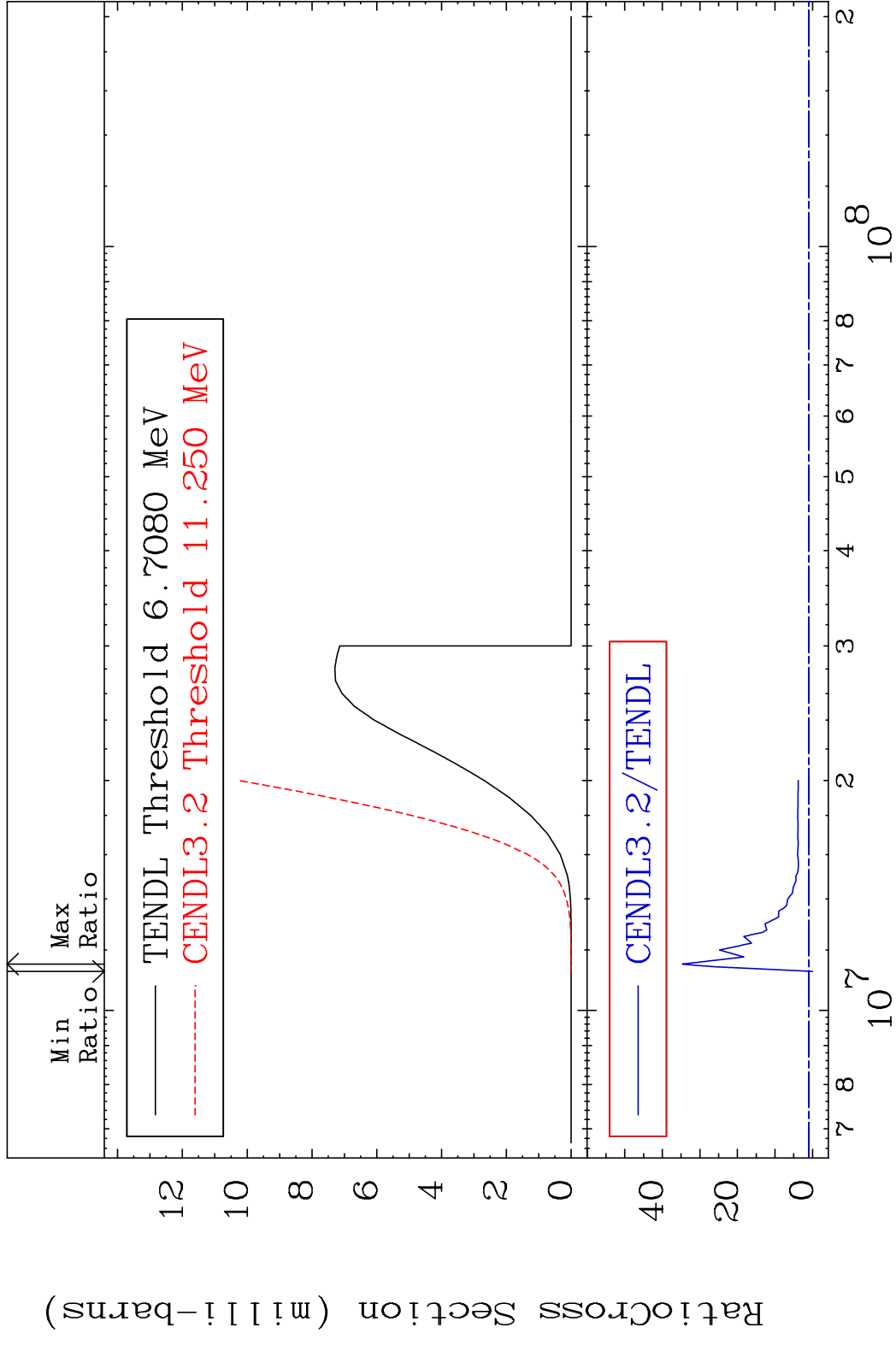
56-Ba-135

MAT 5640 (n,d) 56-Ba-135
 Cross Section -100.0 To 966.0 %

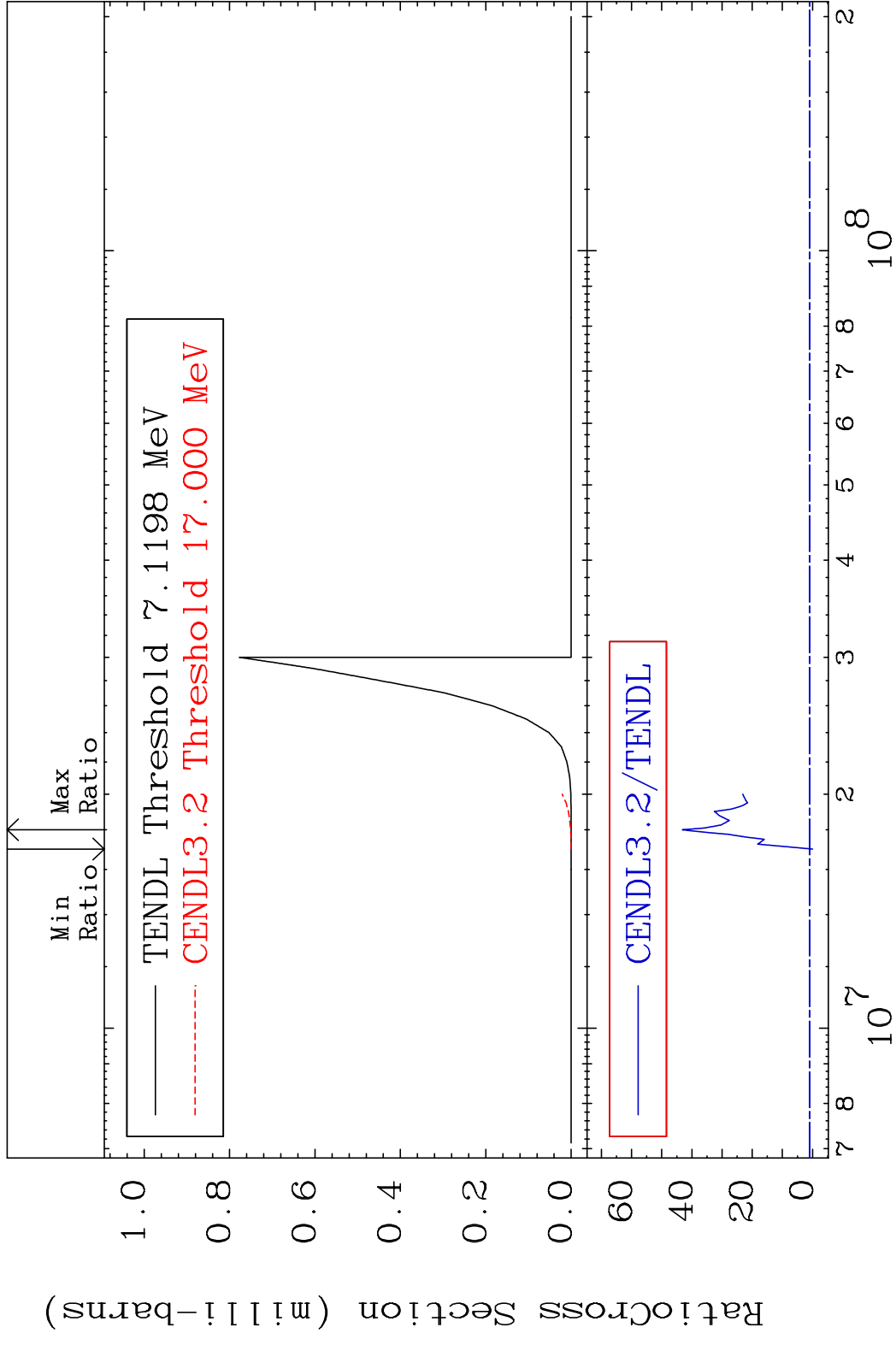


15 Incident Energy (eV) 56-Ba-135

MAT 5640 (n, t) 56-Ba-135
 Cross Section -100.0 To 3367. %



MAT 5640 (n, He-3) 56-Ba-135
 Cross Section -100.0 To 4216. %

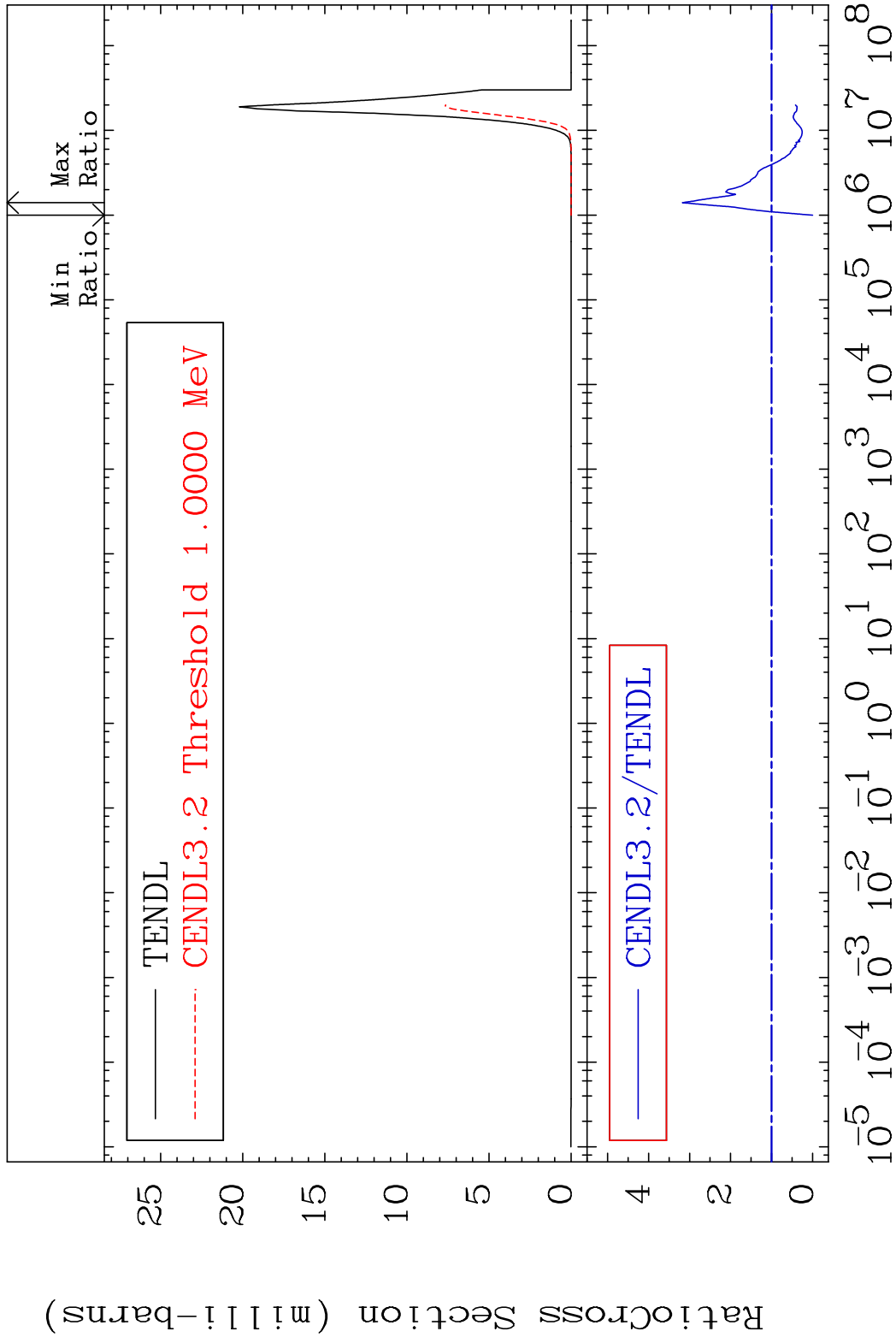


MAT 5640

(n, α)

56-Ba-135

Cross Section -100.0 To 217.7 %



18

Incident Energy (eV)

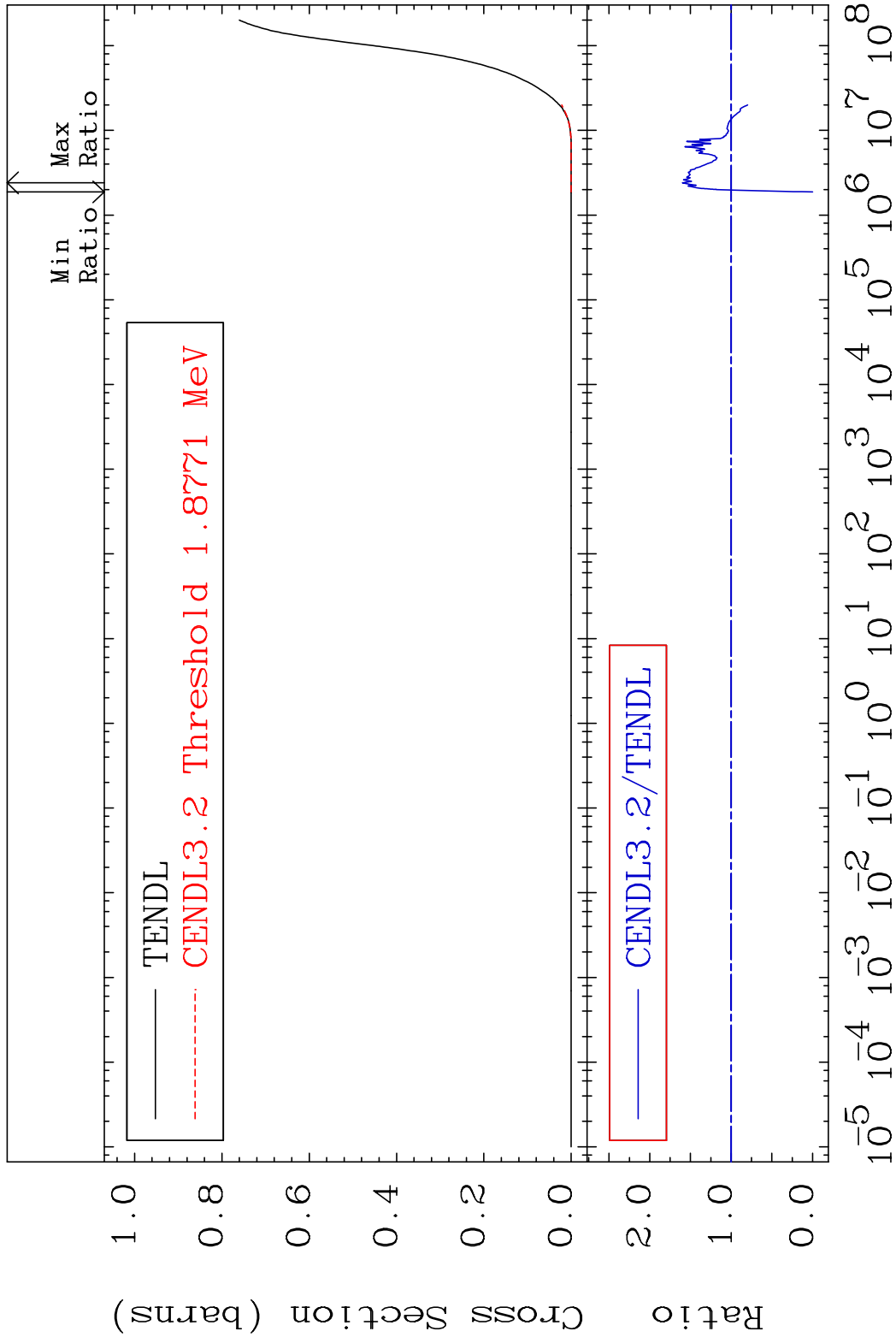
56-Ba-135

MAT 5640

Hydrogen Production

56-Ba-135

Cross Section -100.0 To 59.96 %



19

Incident Energy (eV)

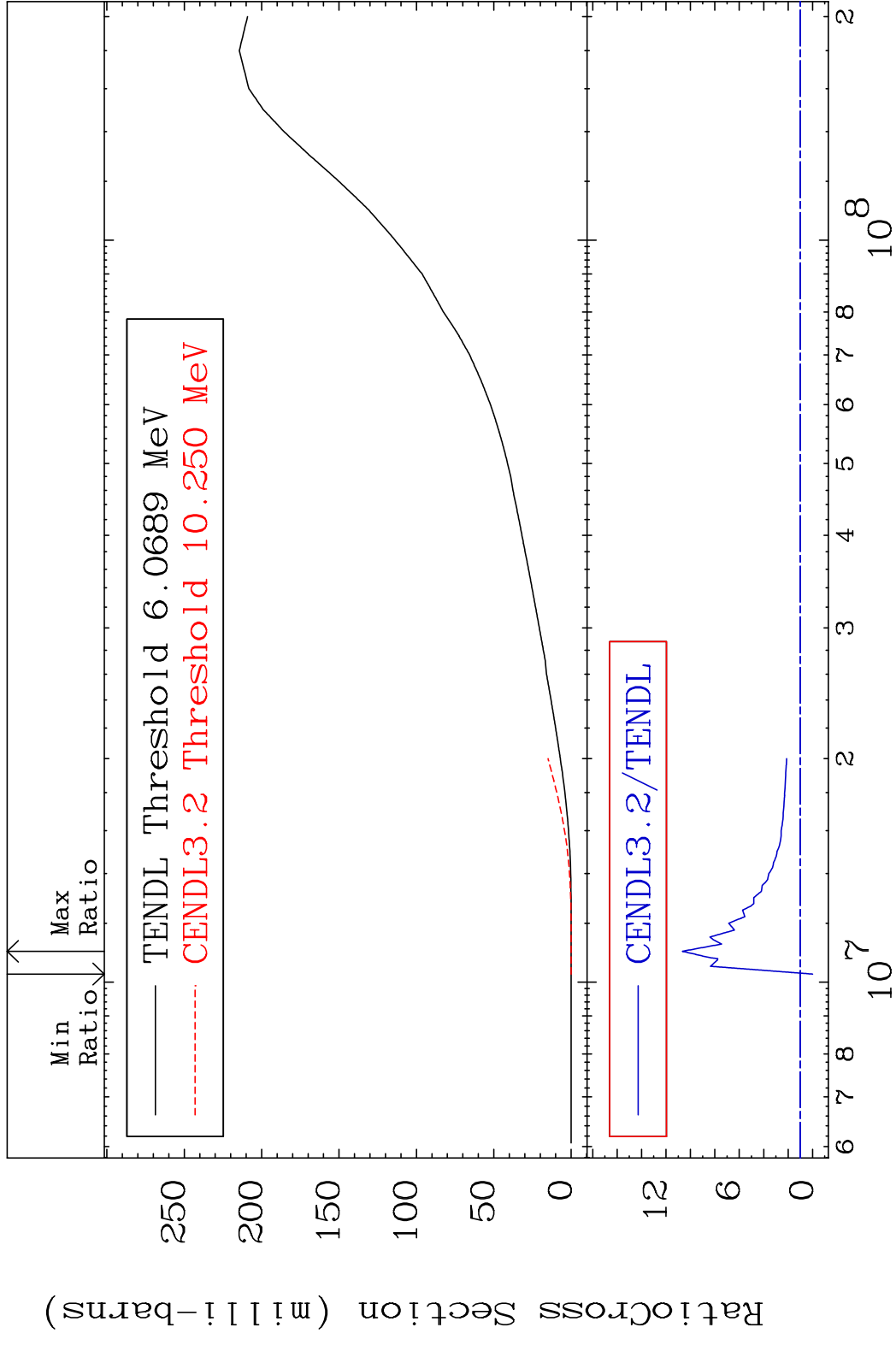
56-Ba-135

MAT 5640

Deuterium Production

56-Ba-135

Cross Section -100.0 To 966.0 %

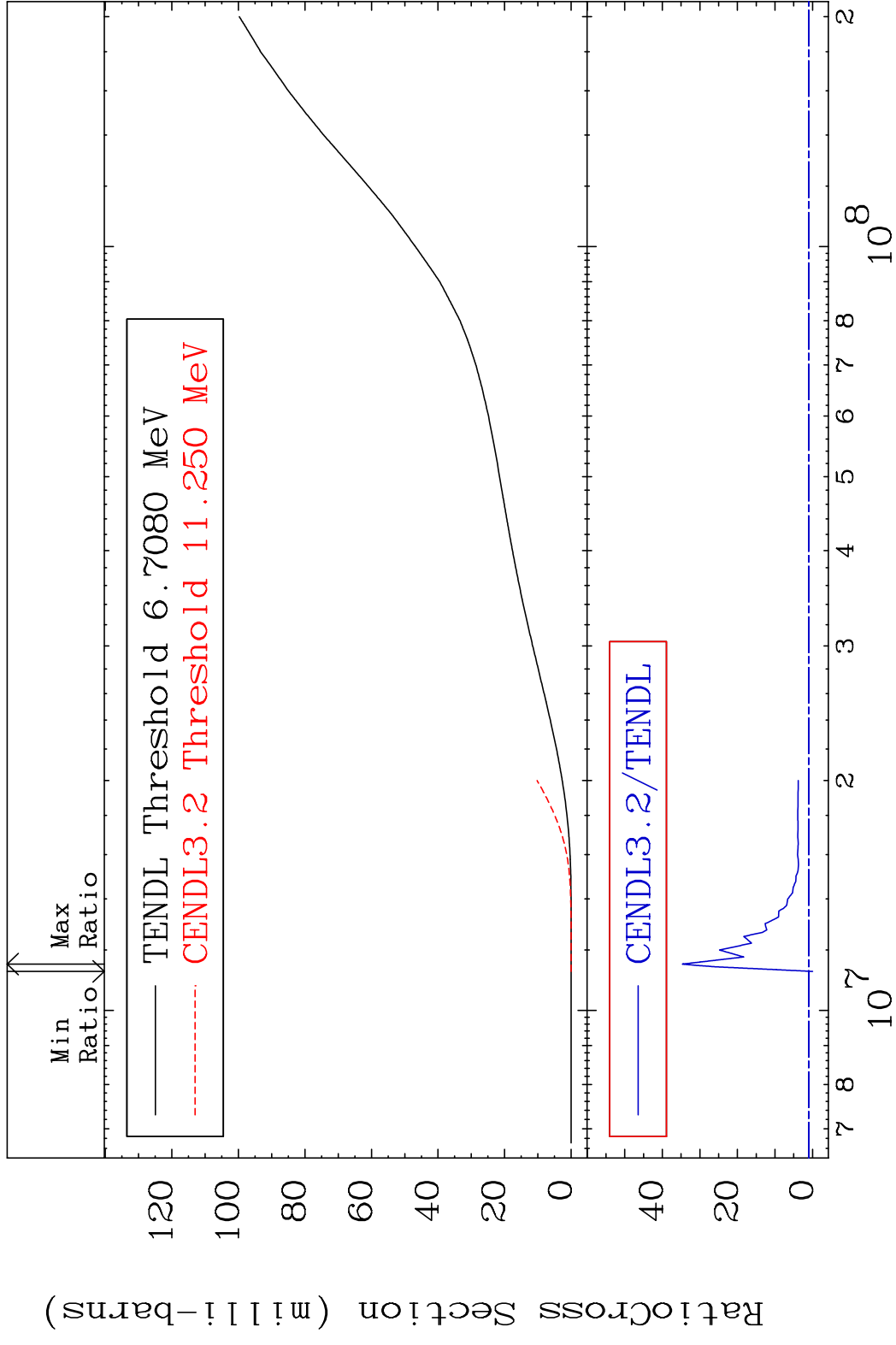


20

Incident Energy (eV)

56-Ba-135

MAT 5640 Tritium Production 56-Ba-135
 Cross Section -100.0 To 3367. %

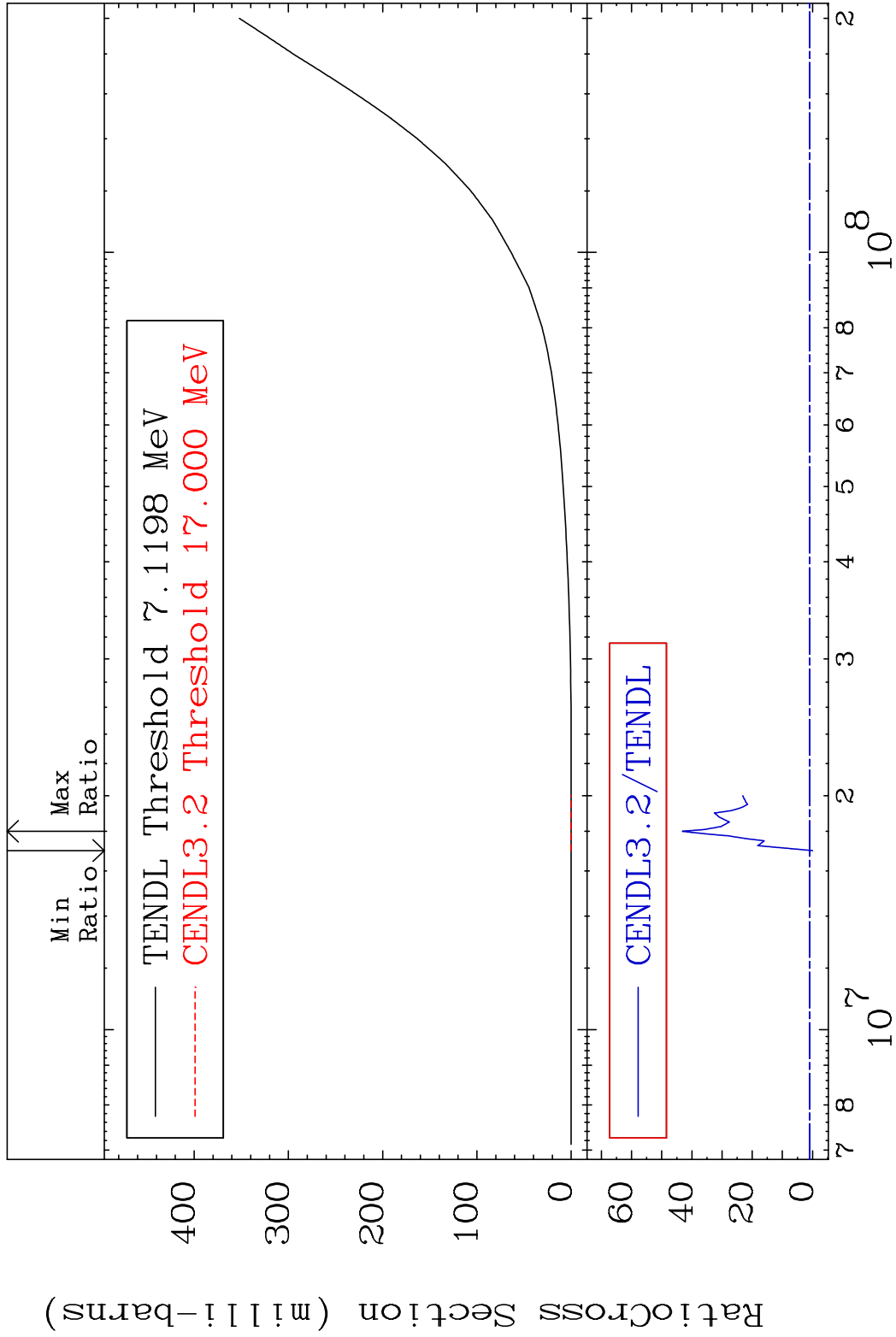


MAT 5640

He-3 Production

56-Ba-135

Cross Section -100.0 To 4216. %



22

Incident Energy (eV)

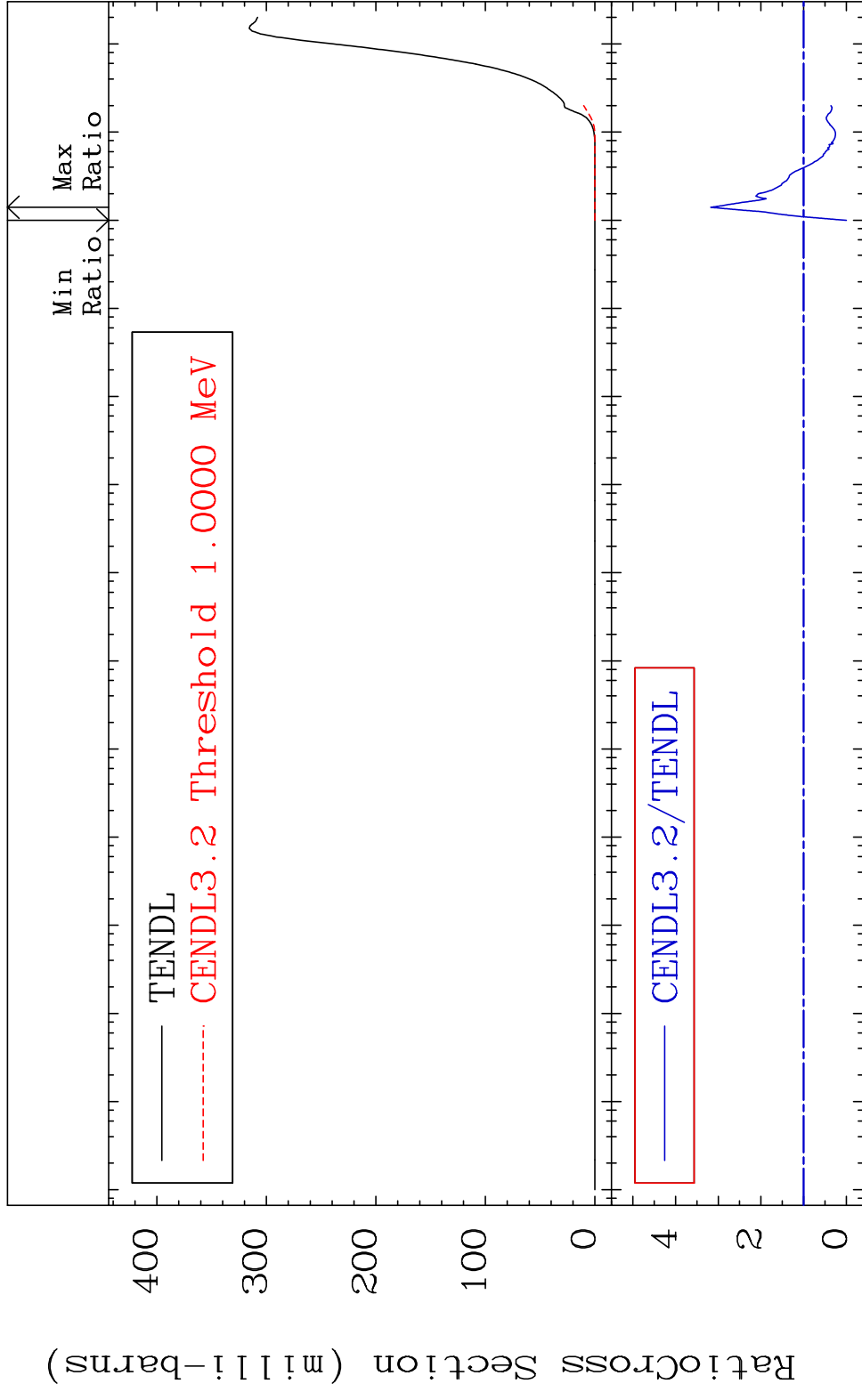
56-Ba-135

MAT 5640

He-4 Production

56-Ba-135

Cross Section -100.0 To 217.7 %

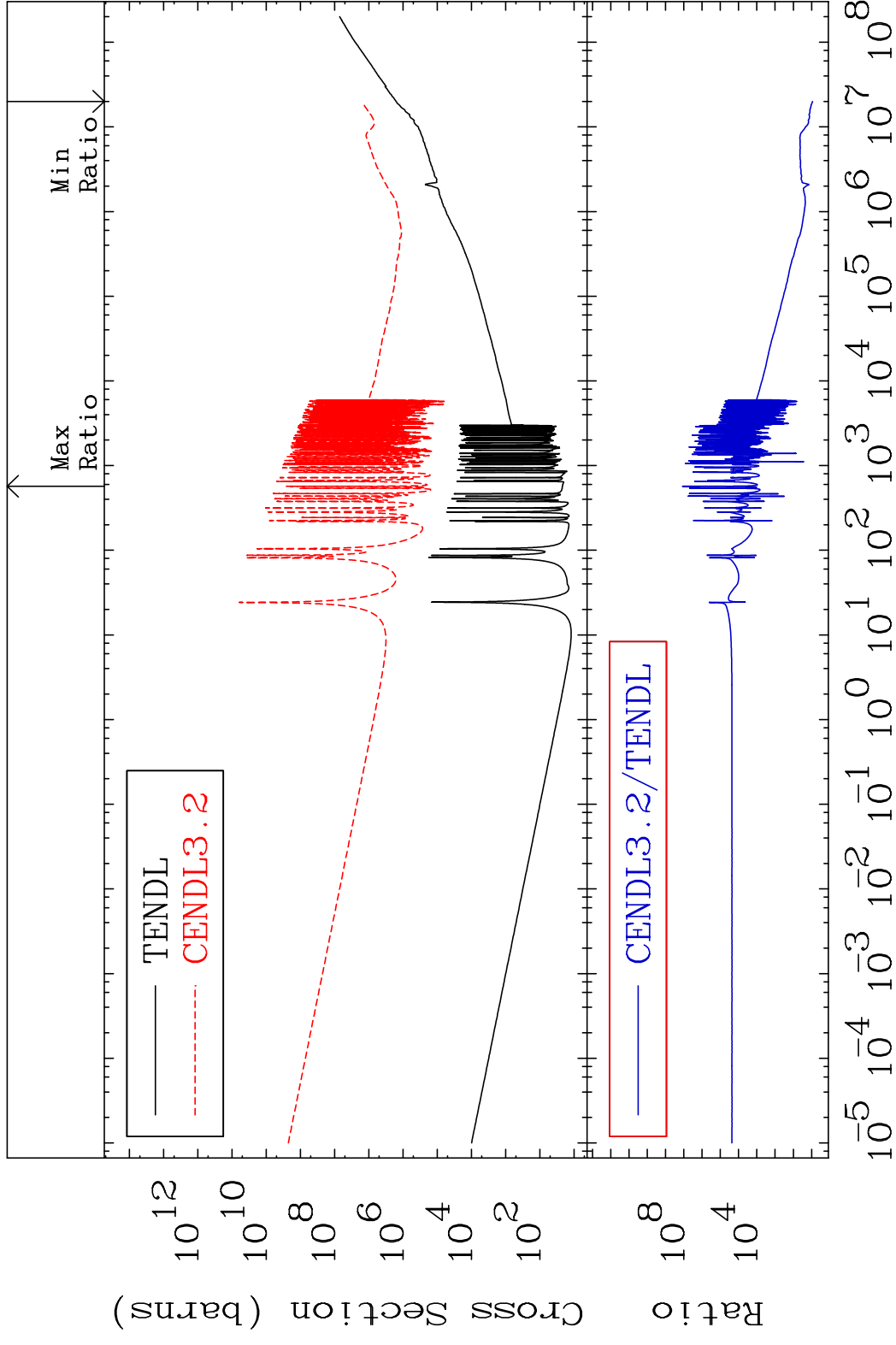


23

Incident Energy (eV)

56-Ba-135

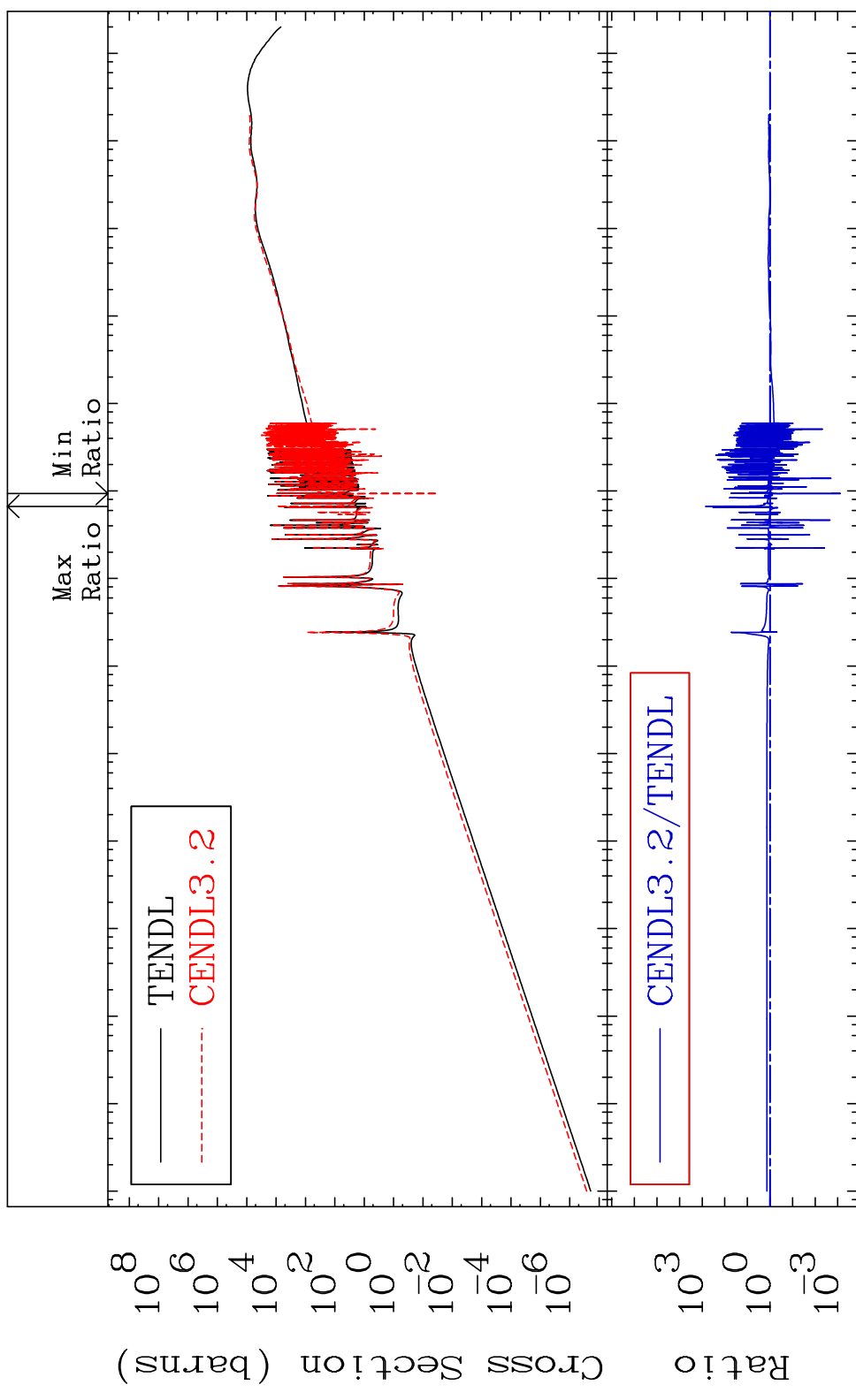
MAT 5640 Kerma total (eV-barns) 56-Ba-135
 Cross Section 787.7 To 9999. %



MAT 5640

Kerma elastic
Cross Section -99.92 To 9999. %

56-Ba-135

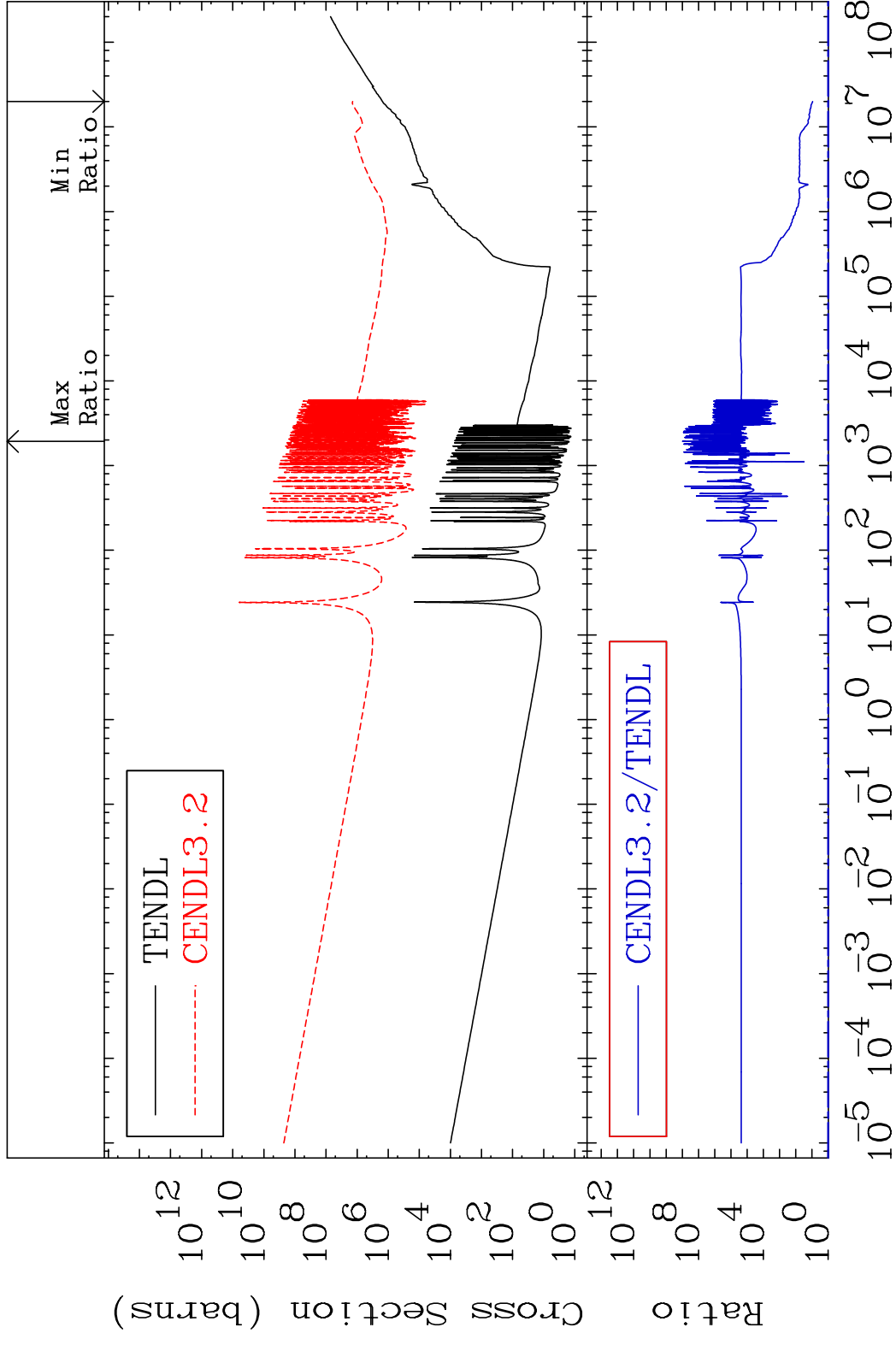


25

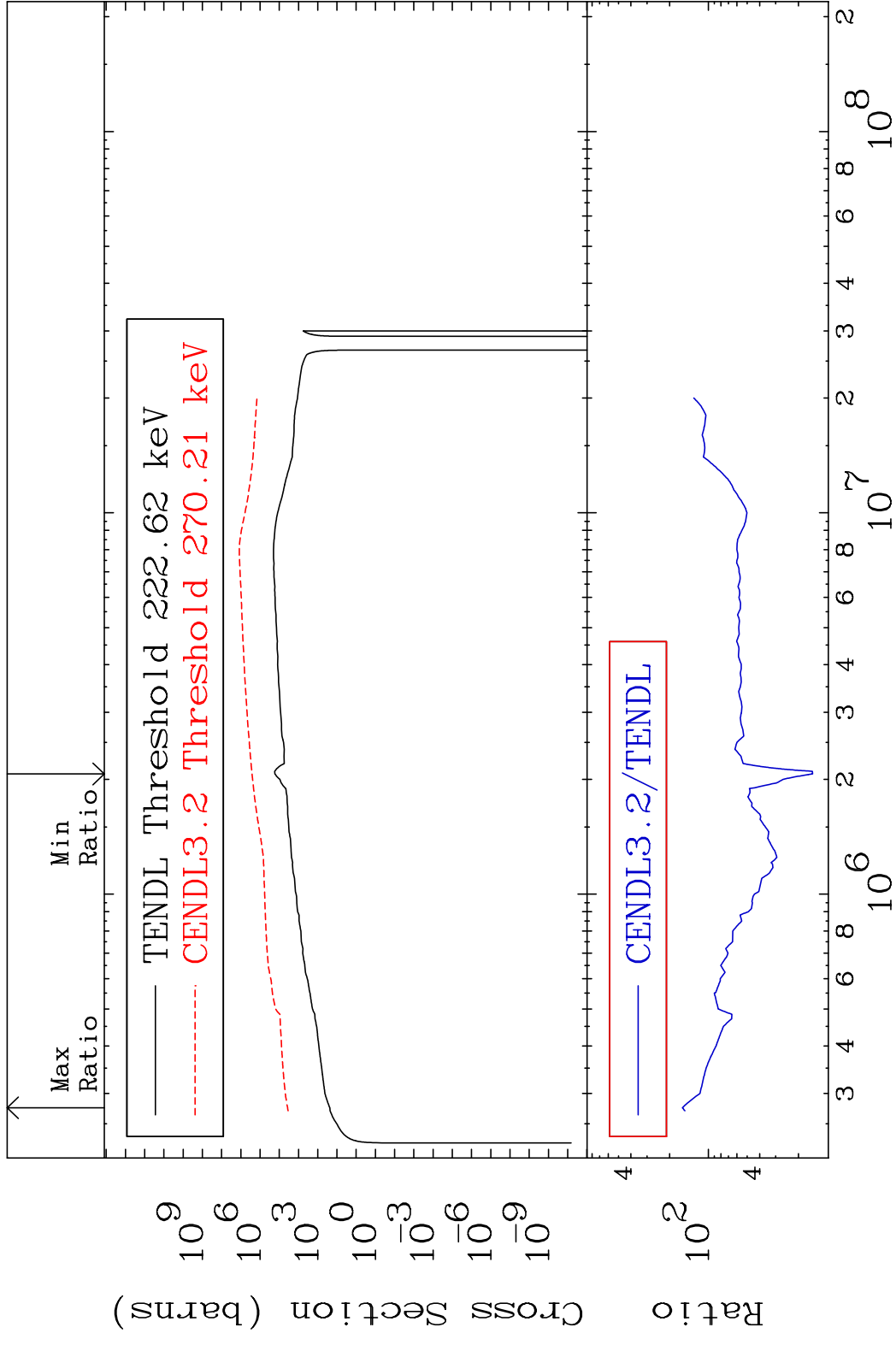
Incident Energy (eV)

56-Ba-135

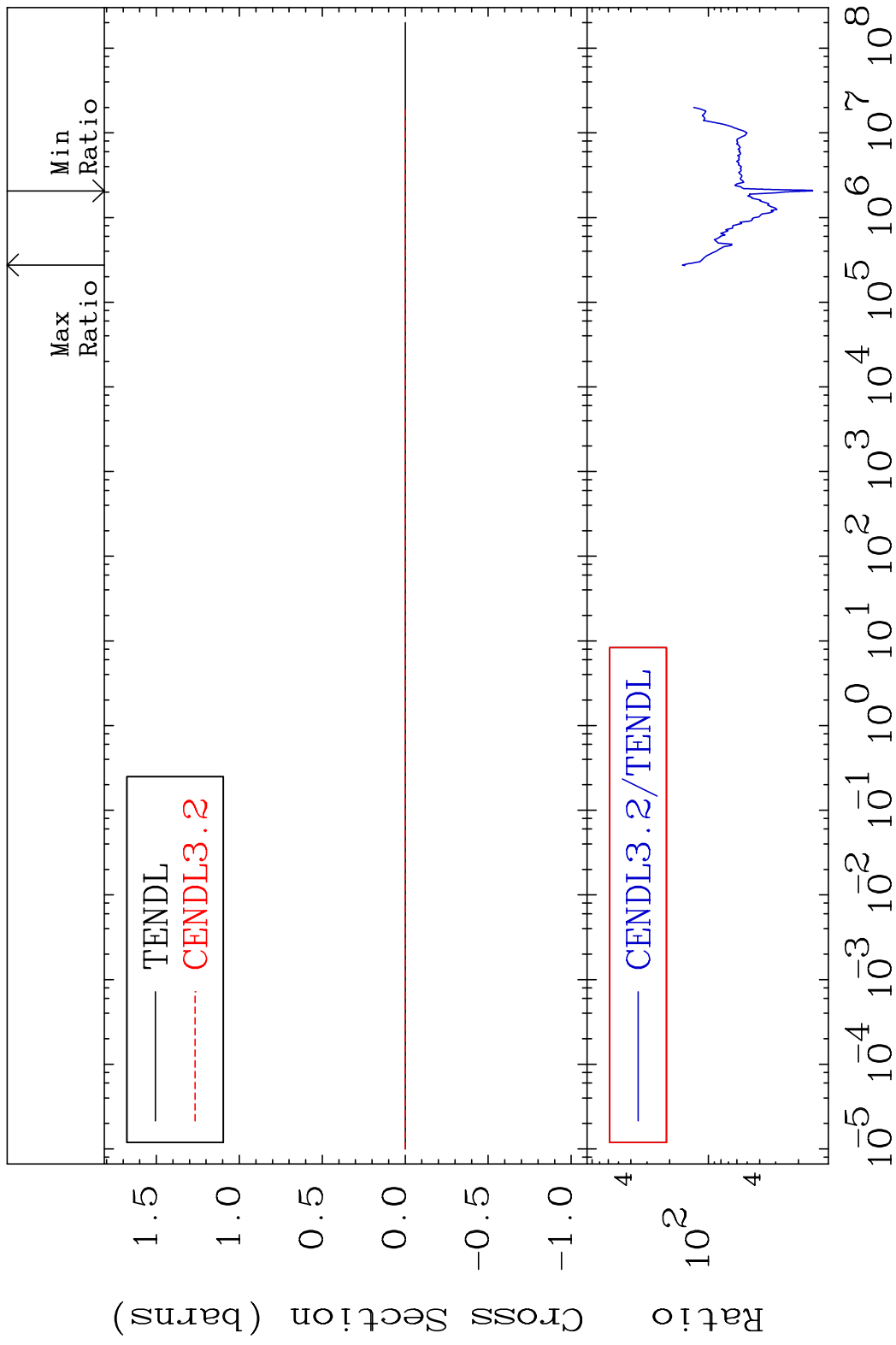
MAT 5640 Kerma non-elastic (all but mt2) 56-Ba-135
 Cross Section 824.2 To 9999. %



MAT 5640 Kerma inelastic (mt51-91) 56-Ba-135
 Cross Section 1452. To 9999. %

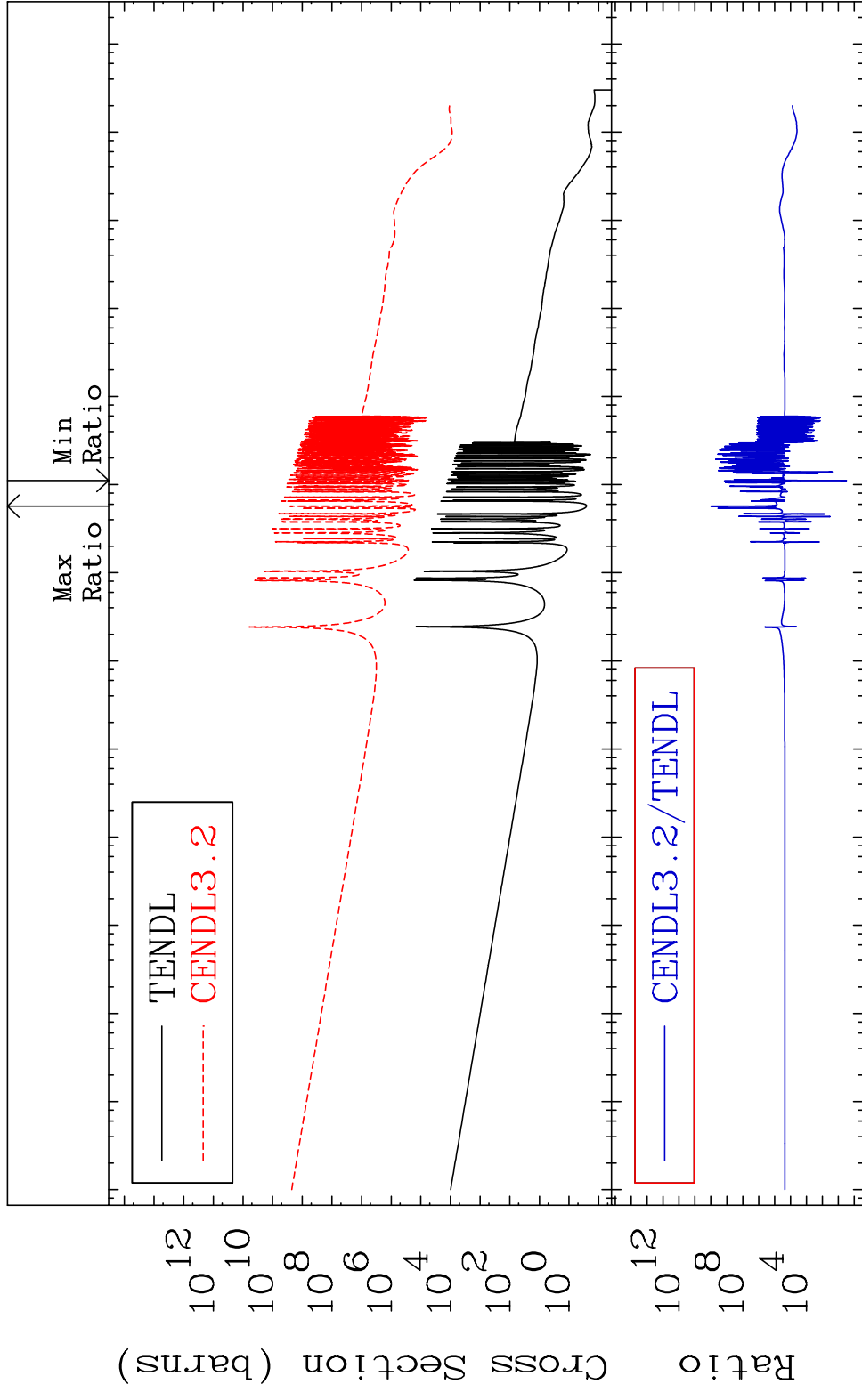


MAT 5640 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-135
 Cross Section 1452. To 9999. %

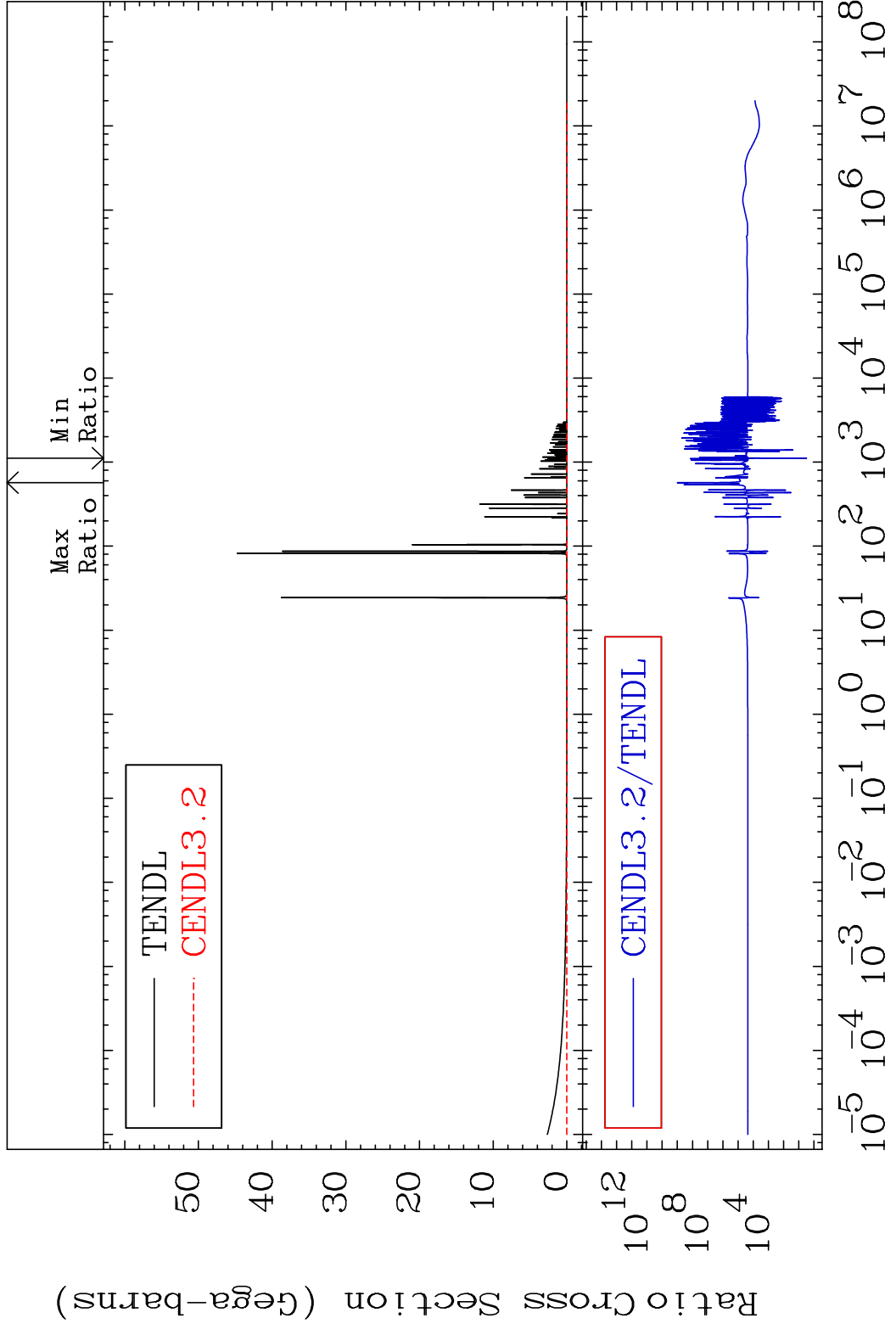


MAT 5640

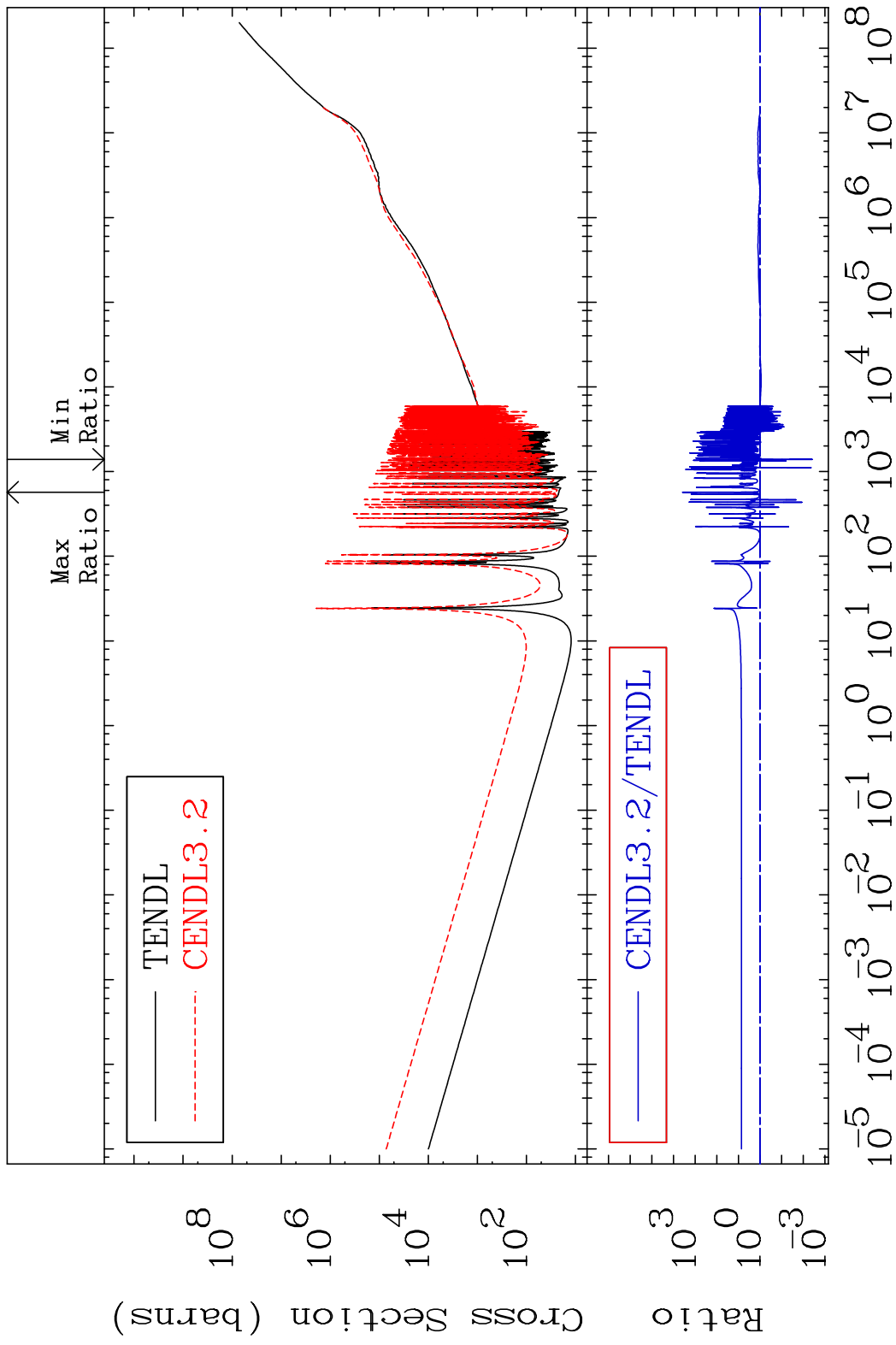
Kerma capture (mt102) 56-Ba-135
Cross Section 3052. To 9999. %



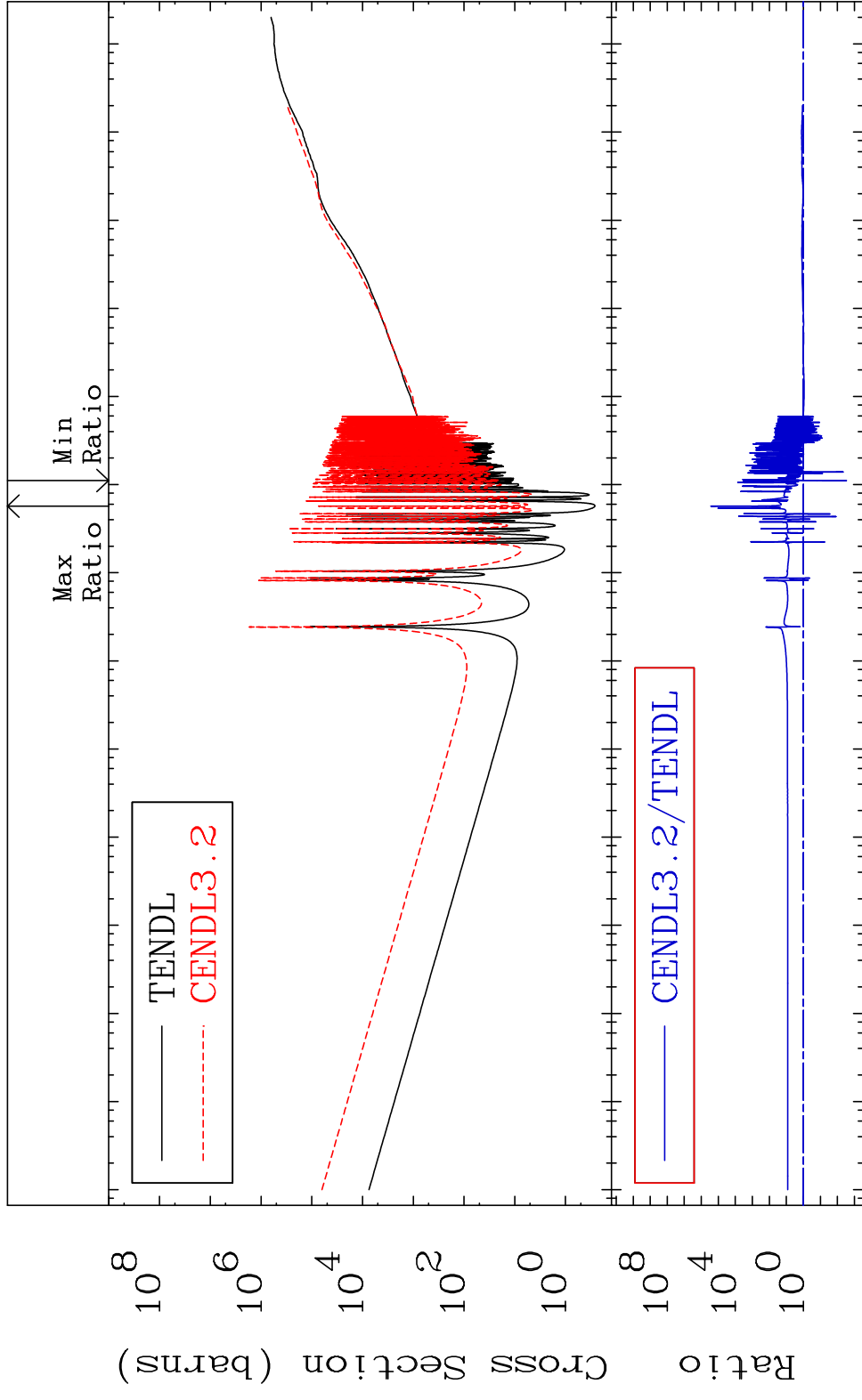
MAT 5640 Total photon (eV-barns) 56-Ba-135
 Cross Section 3052. To 9999. %



MAT 5640 Total kinematic kerma (high limit) 56-Ba-135
 Cross Section -99.63 To 9999. %



MAT 5640 Dpa total (eV-barns) 56-Ba-135
 Cross Section -99.70 To 9999. %



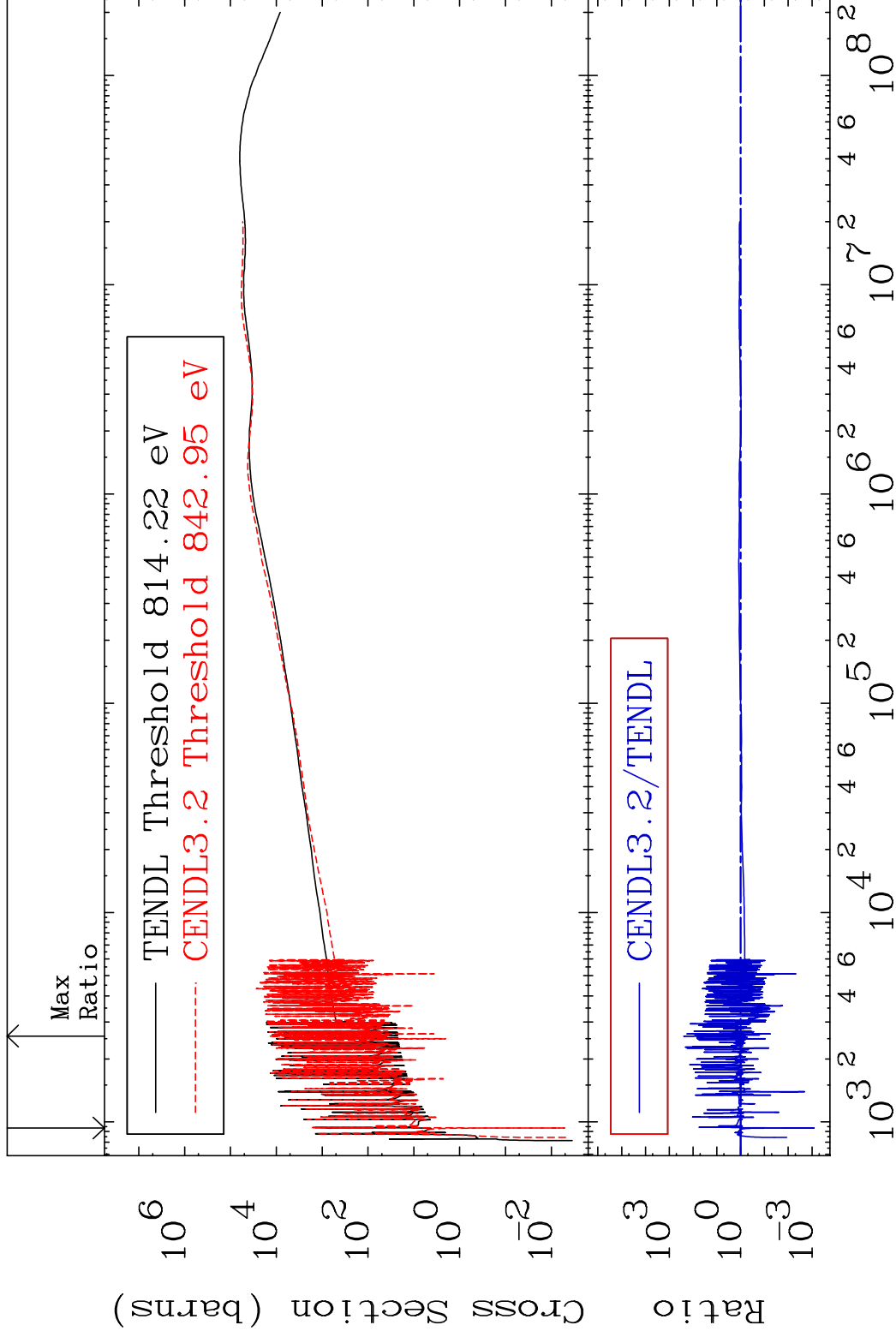
32 Incident Energy (eV) 56-Ba-135

MAT 5640

Dpa elastic (mt2)

56-Ba-135

Cross Section -99.92 To 9999. %

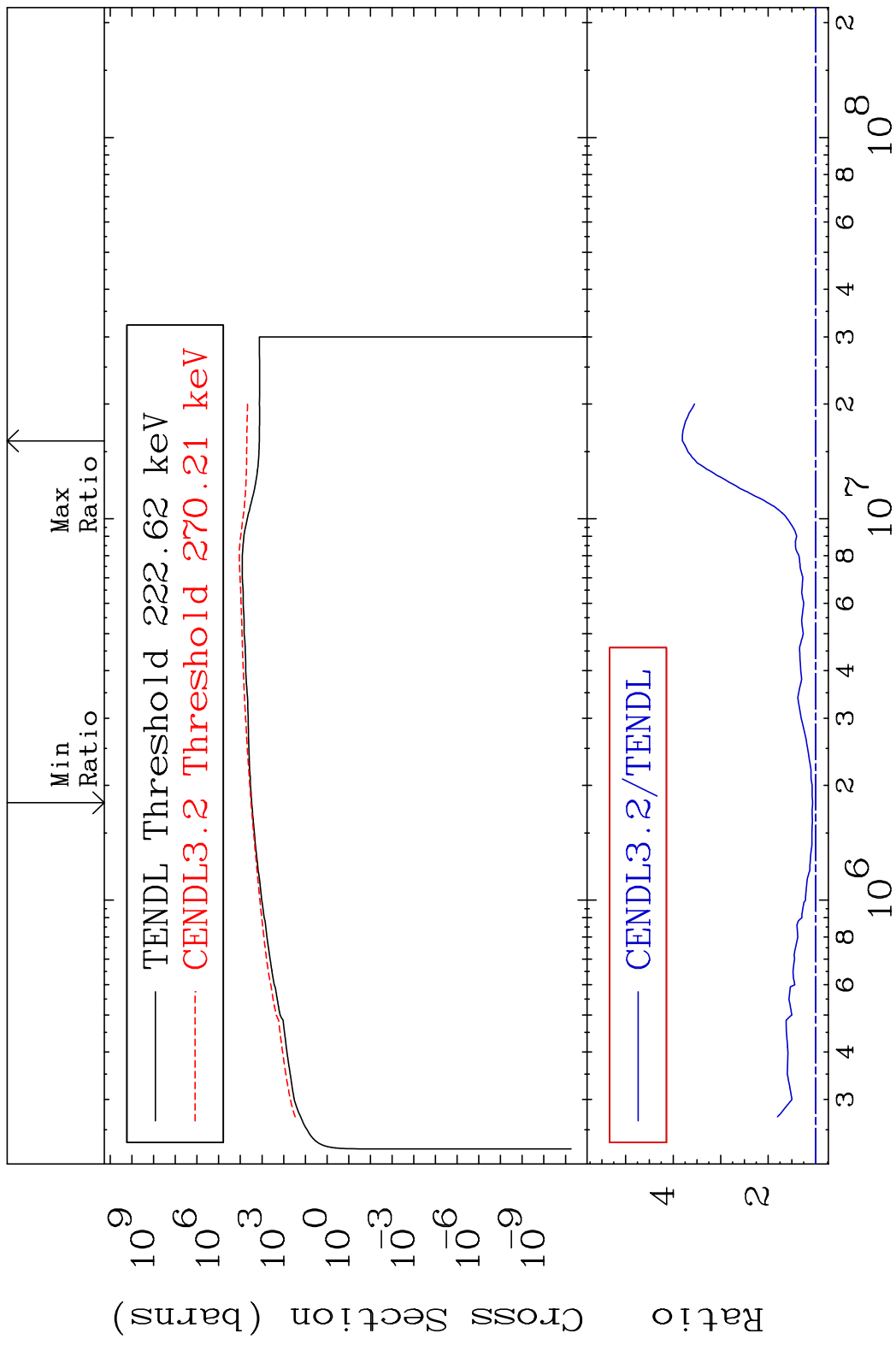


33

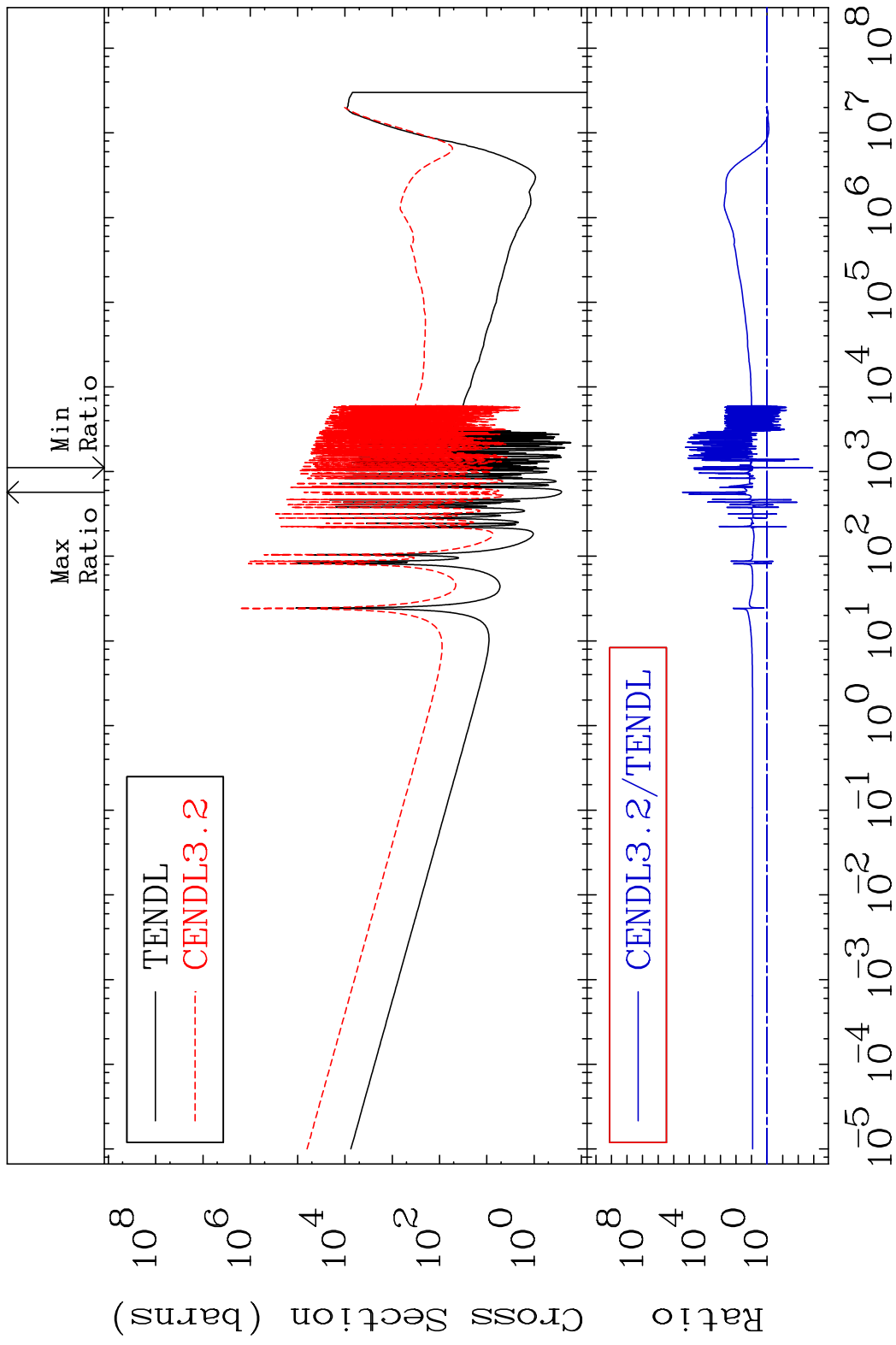
Incident Energy (eV)

56-Ba-135

MAT 5640 Dpa inelastic (mt51-91) 56-Ba-135
 Cross Section 6.626 To 280.6 %



MAT 5640 Dpa disappearance (mt102 -120) 56-Ba-135
 Cross Section -99.88 To 9999. %



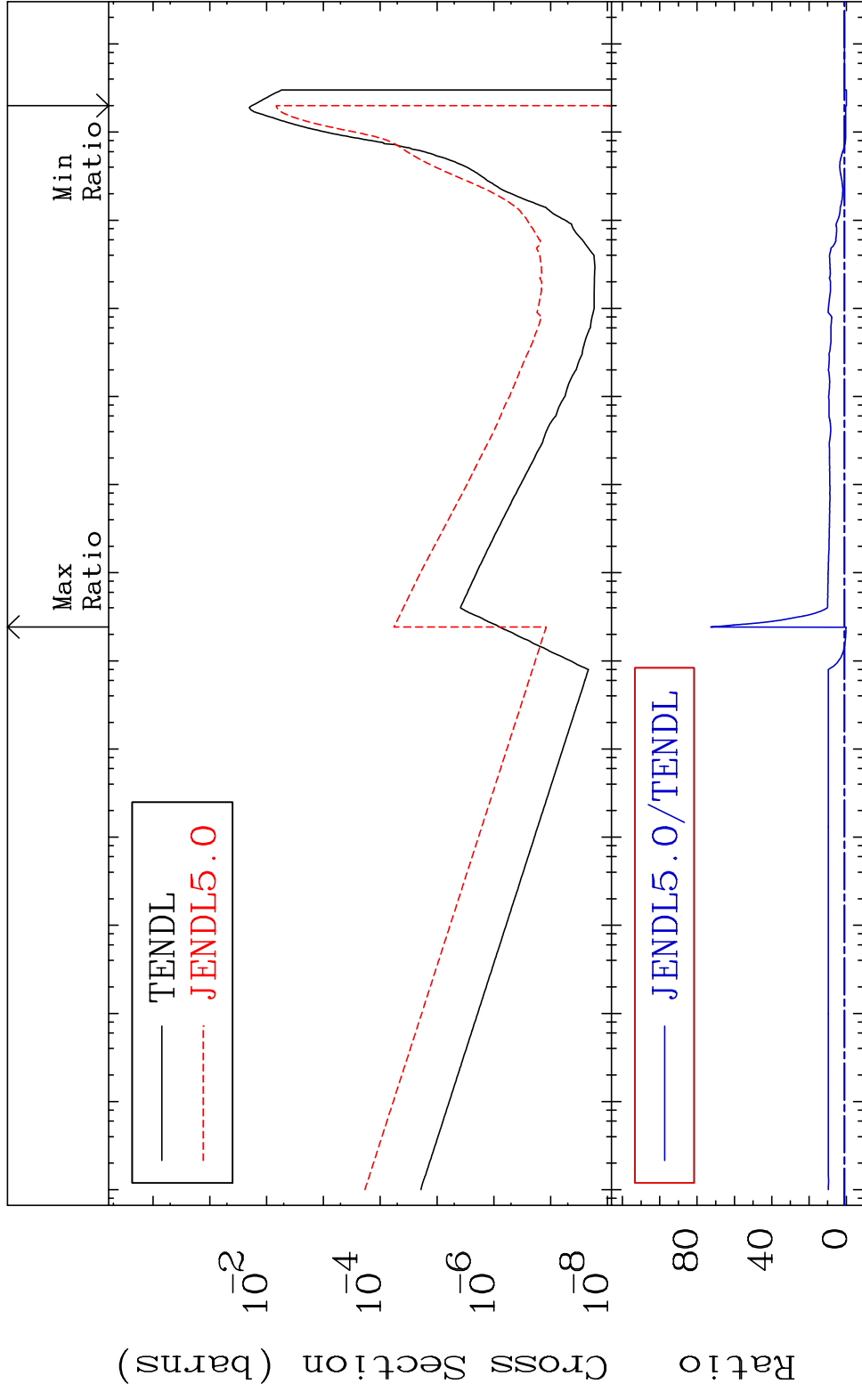
35 Incident Energy (eV) 56-Ba-135

MAT 5640

56-Ba-135

(n, α)

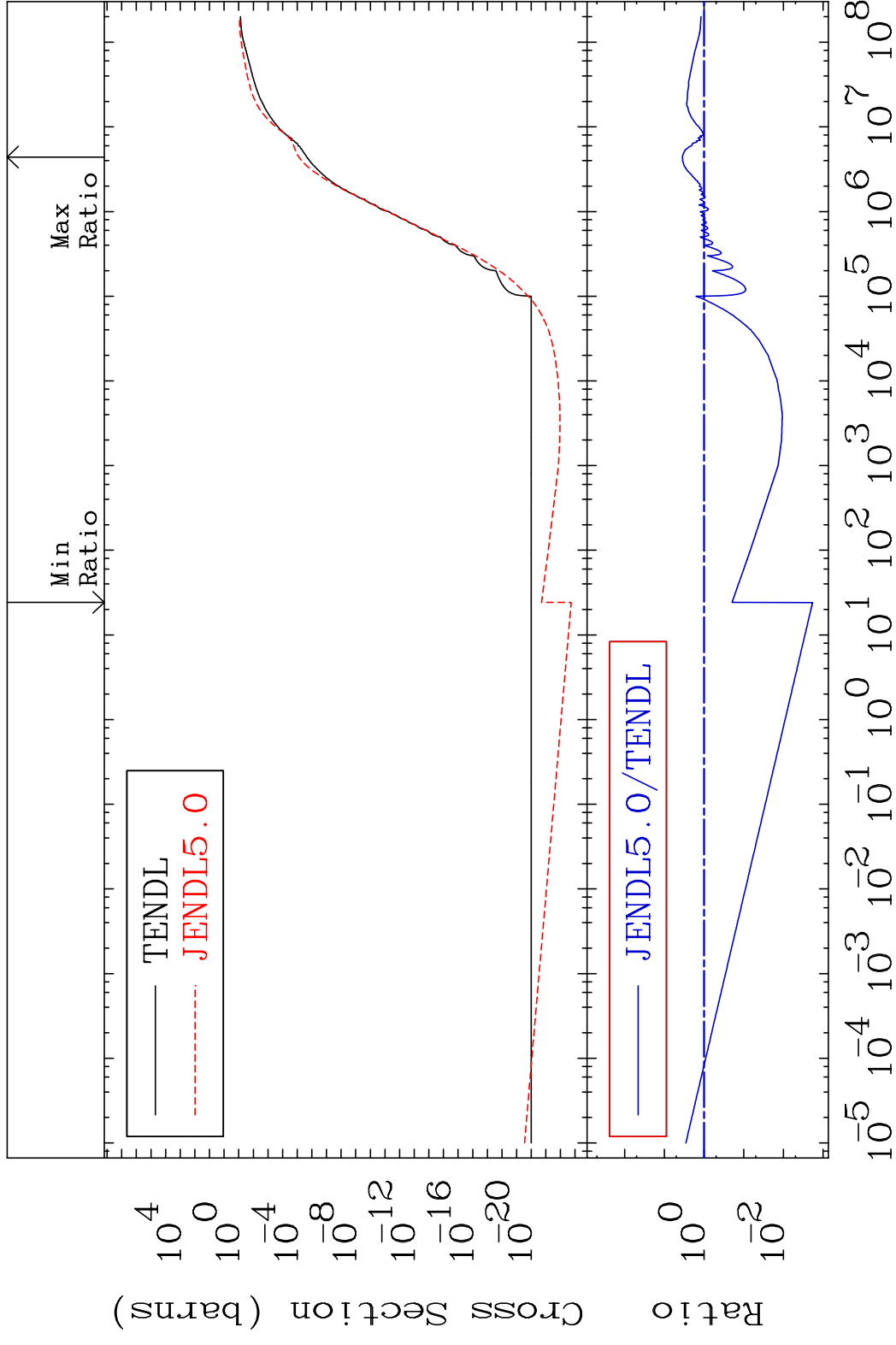
Cross Section -100.0 To 7170. %



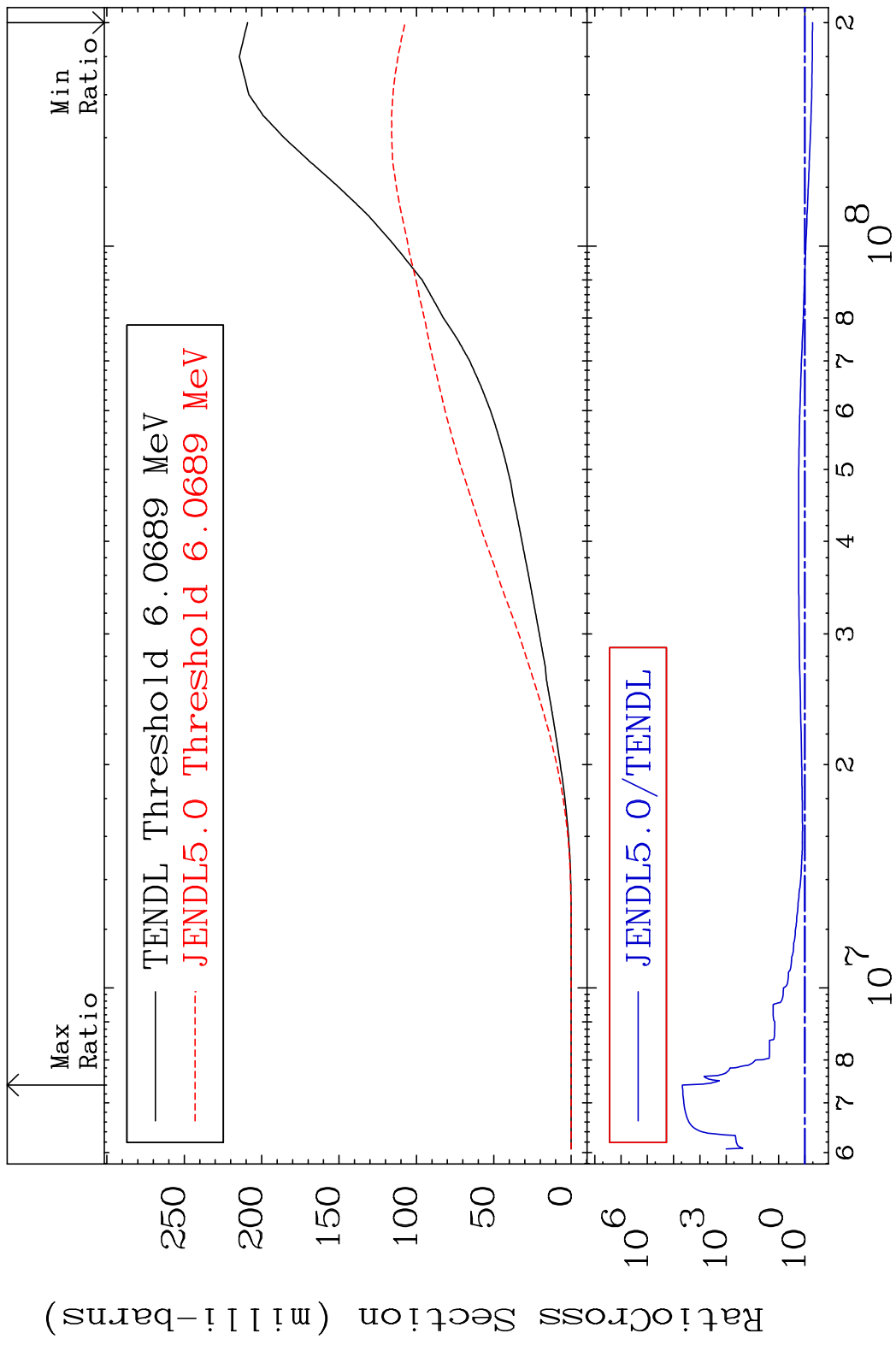
MAT 5640

Hydrogen Production
Cross Section -99.81 To 252.5 %

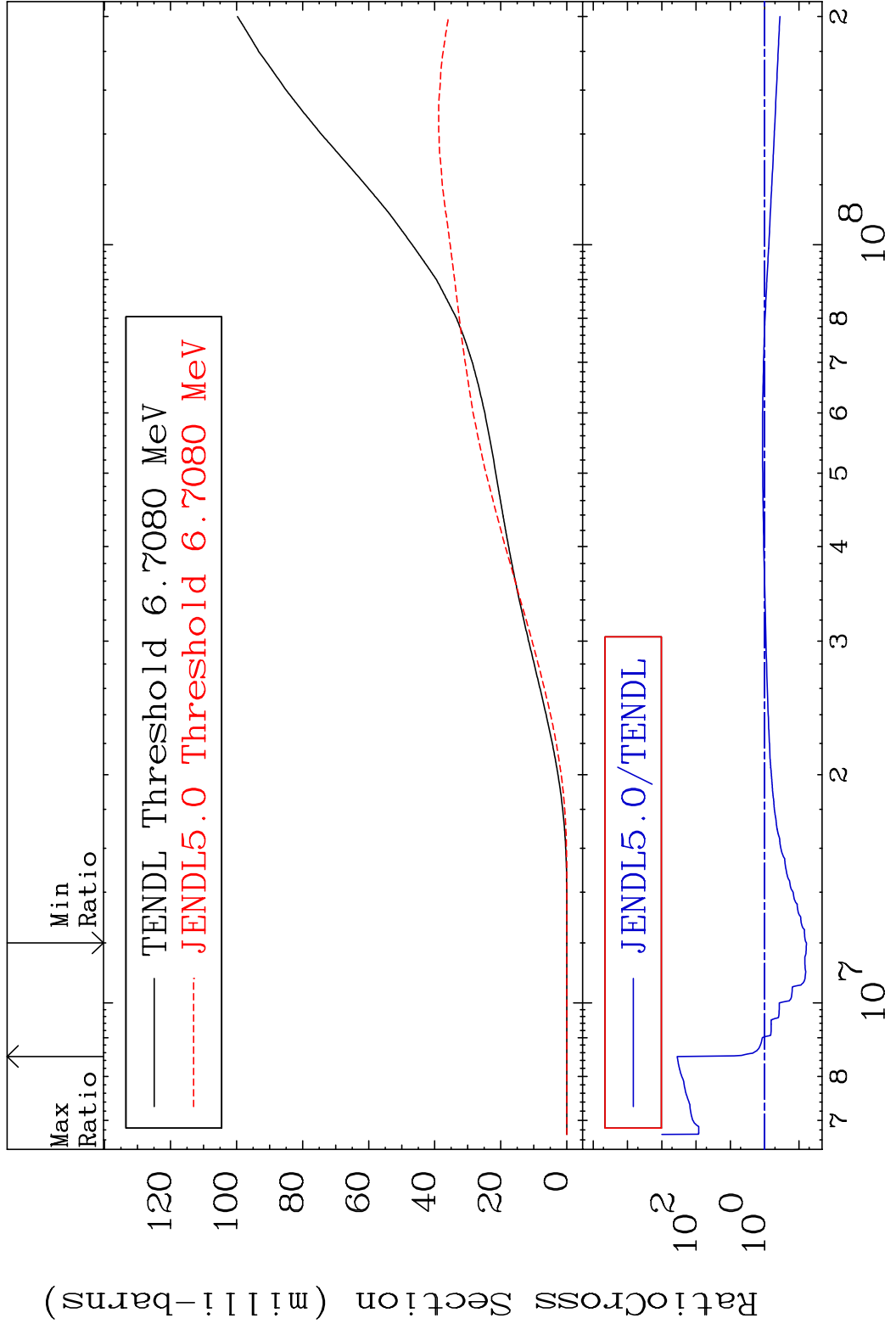
56-Ba-135



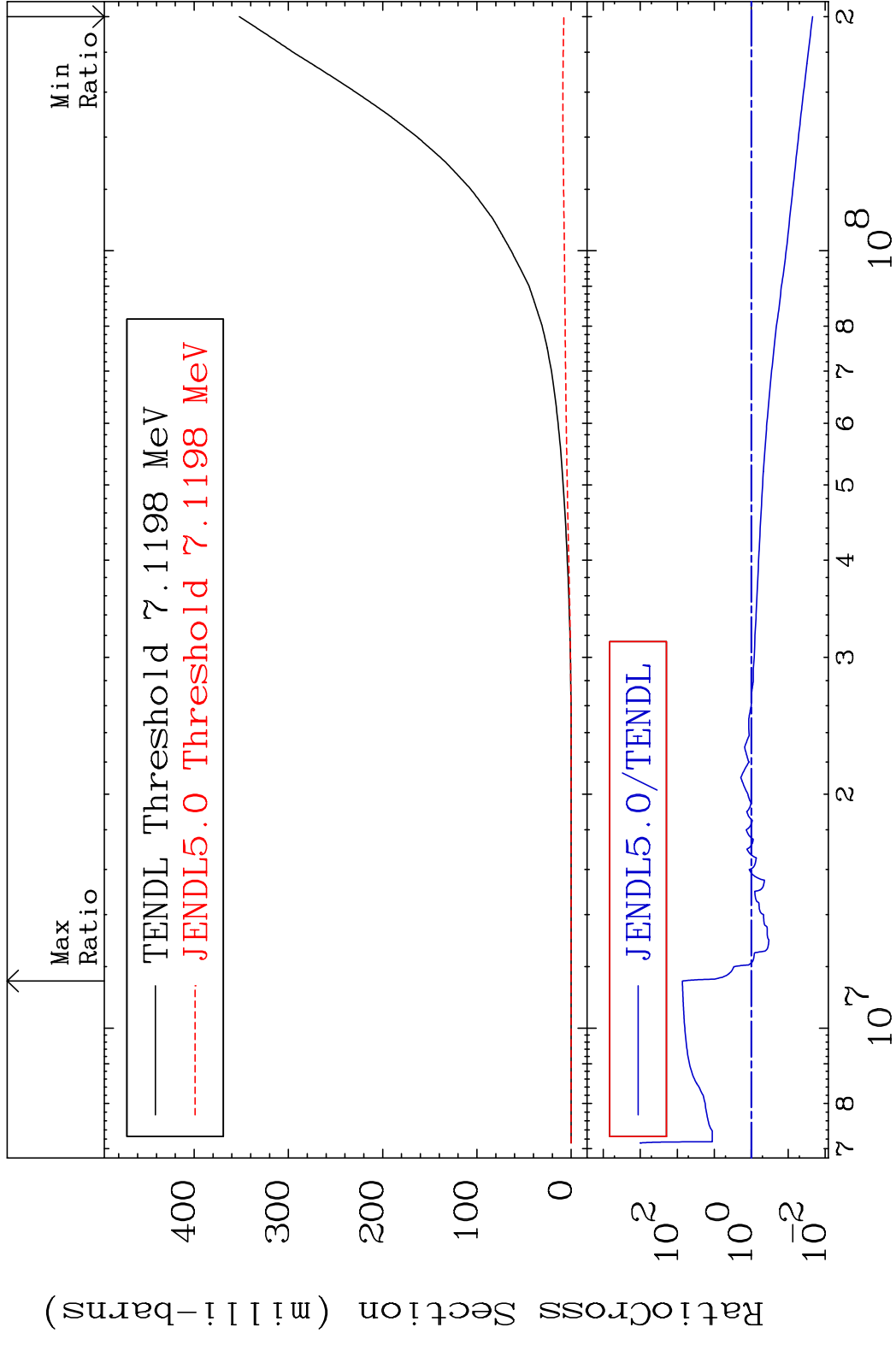
MAT 5640 Deuterium Production 56-Ba-135
 Cross Section -48.72 To 9999. %



MAT 5640 Tritium Production 56-Ba-135
 Cross Section -93.96 To 9999. %



MAT 5640 He-3 Production 56-Ba-135
 Cross Section -97.80 To 7192. %



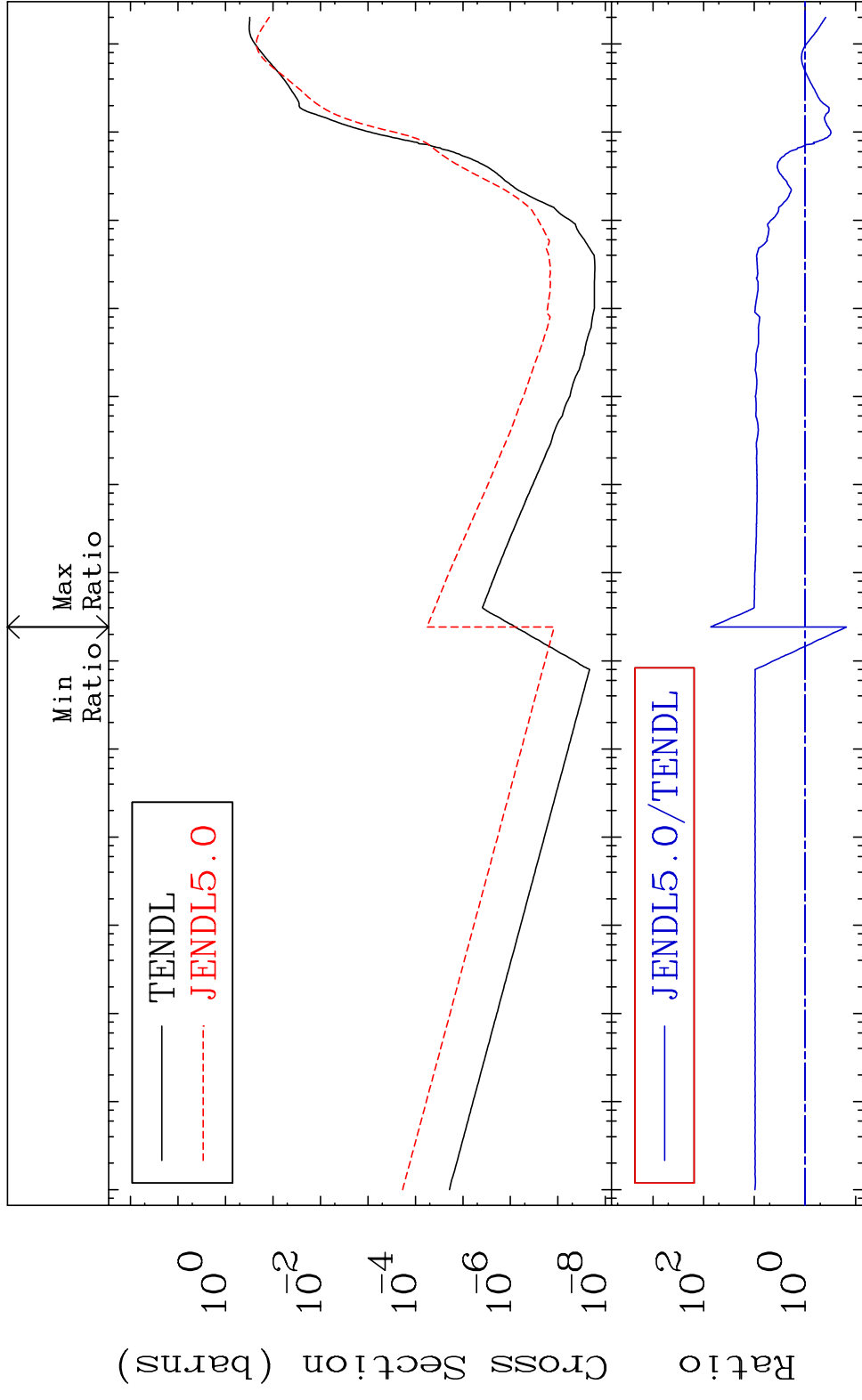
40 Incident Energy (eV) 56-Ba-135

MAT 5640

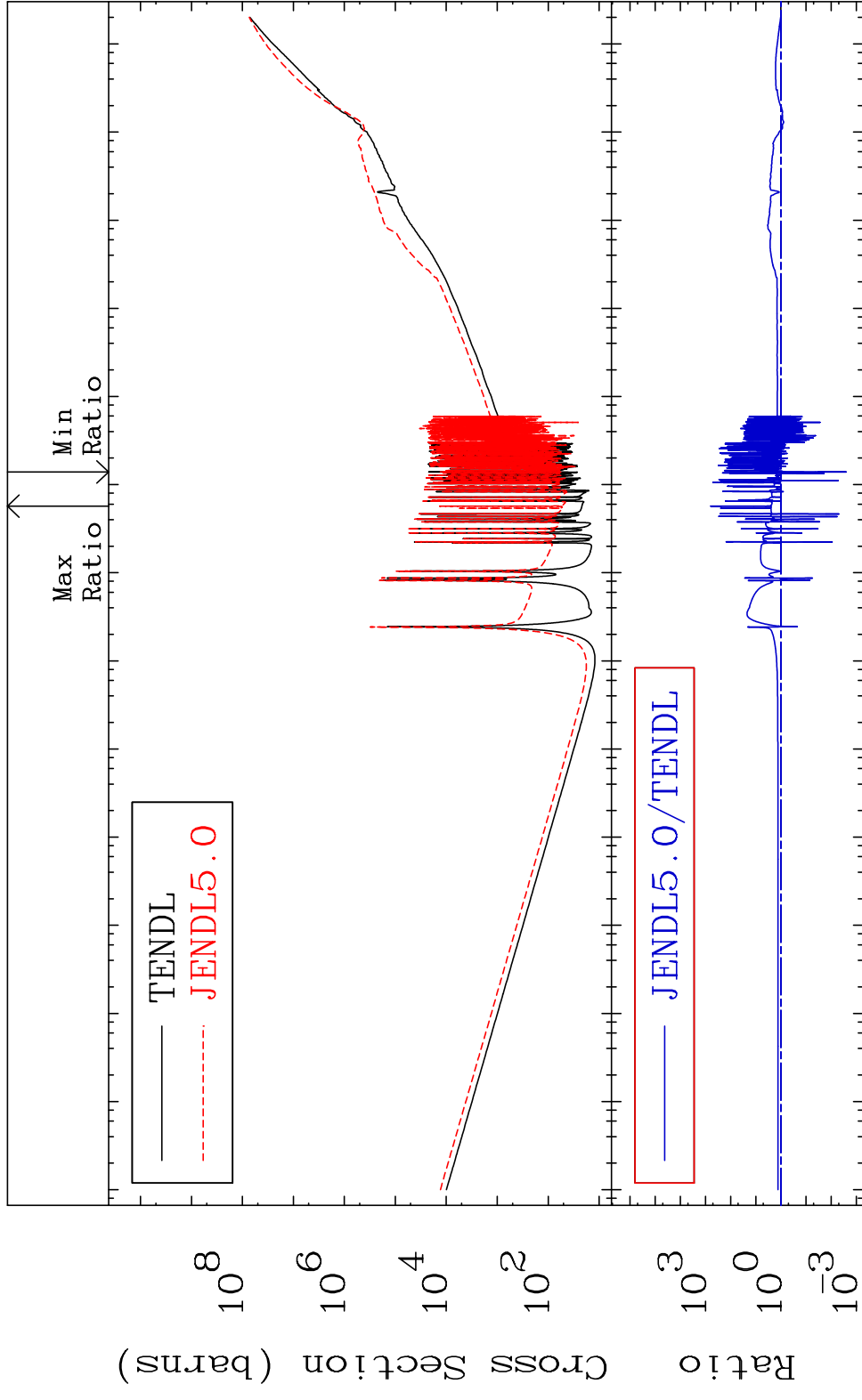
He-4 Production

56-Ba-135

Cross Section -84.77 To 7170. %



MAT 5640 Kerma total (eV-barns) 56-Ba-135
 Cross Section -99.75 To 9999. %



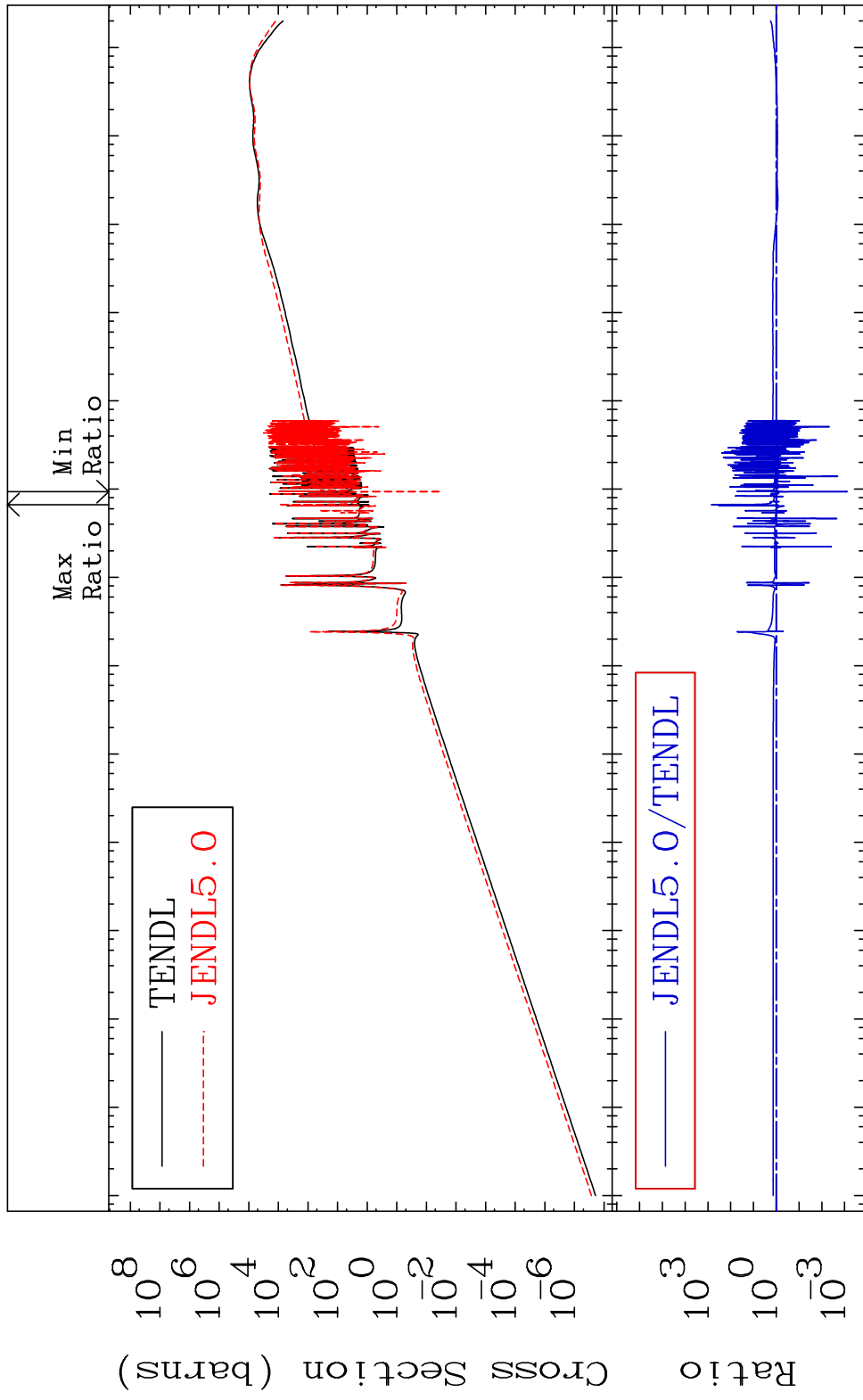
MAT 5640

Kerma elastic

56-Ba-135

Cross Section

-99.92 To 9999. %

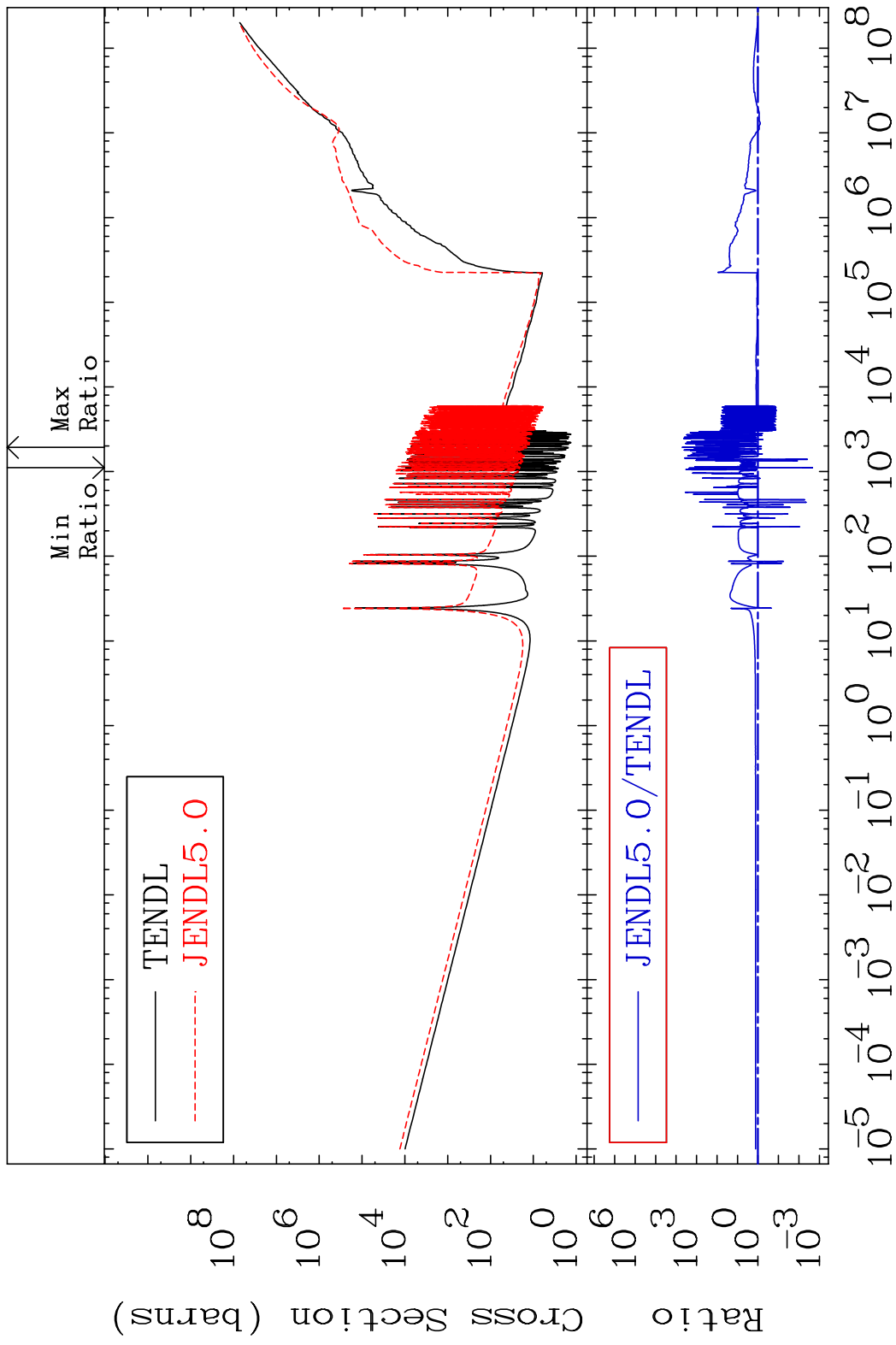


43

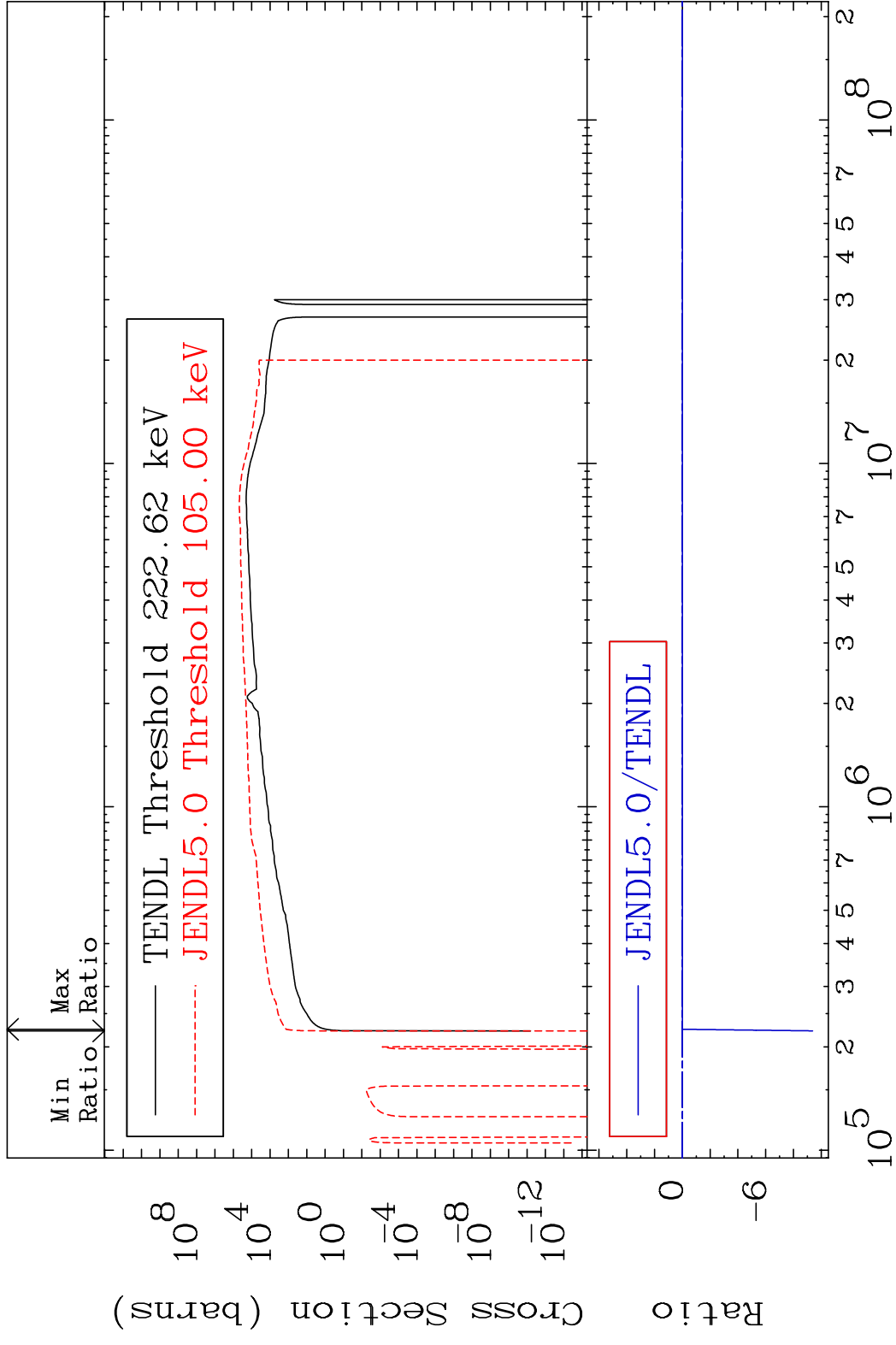
Incident Energy (eV)

56-Ba-135

MAT 5640 Kerma non-elastic (all but mt2) 56-Ba-135
 Cross Section -99.78 To 9999. %

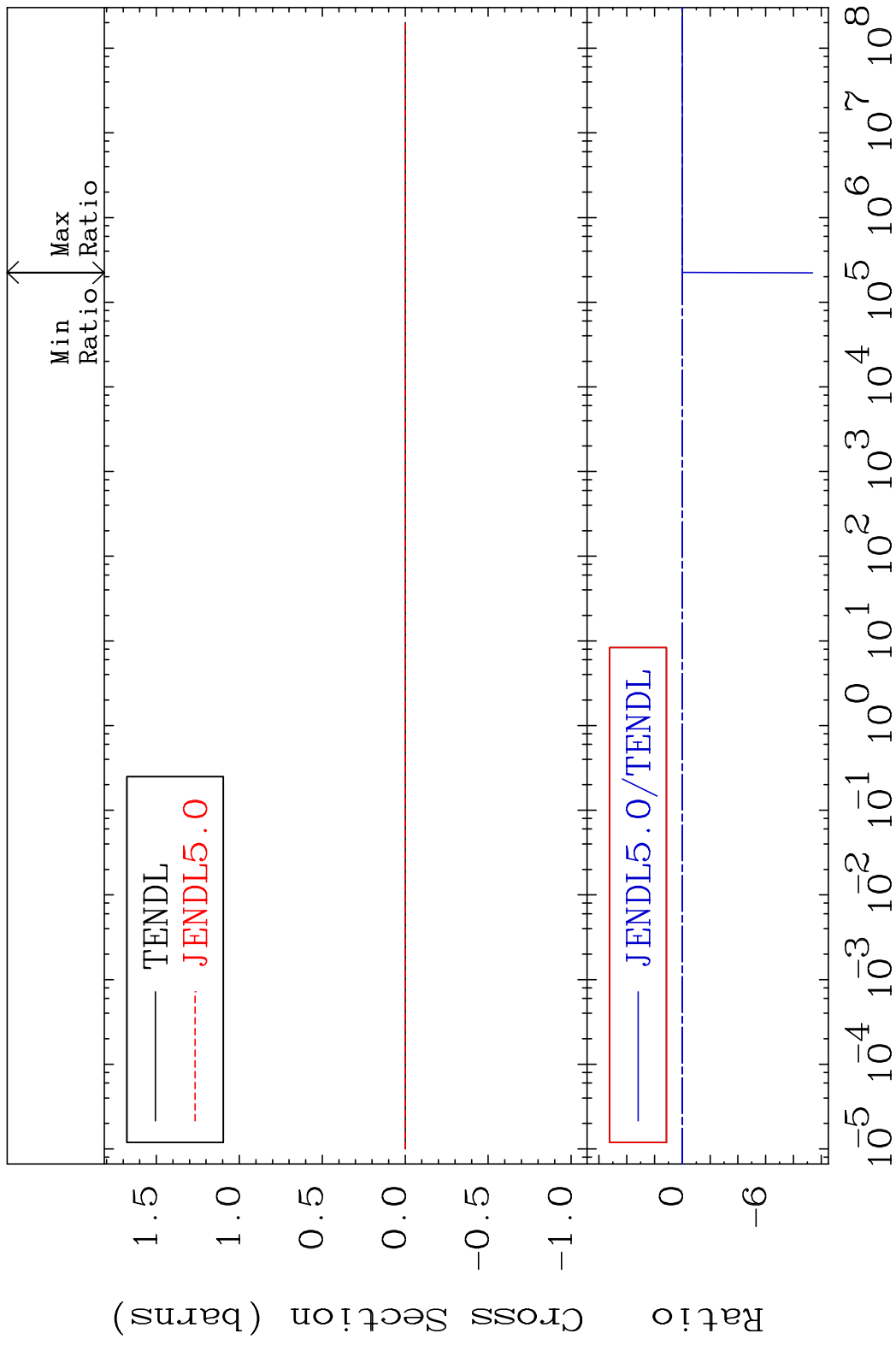


MAT 5640 Kerma inelastic (mt51-91) 56-Ba-135
 Cross Section -9999. To 9999. %



45 Incident Energy (eV) 56-Ba-135

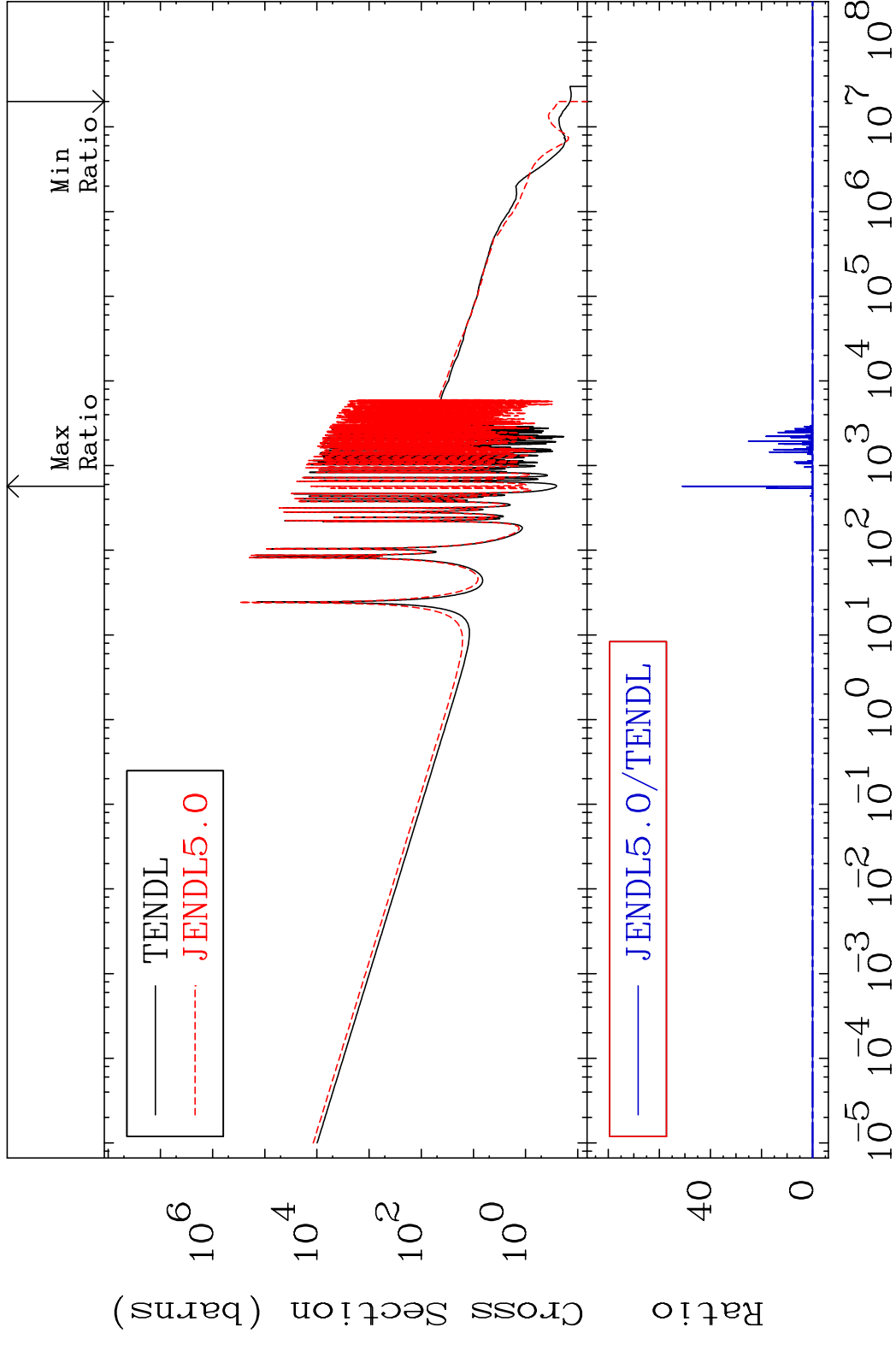
MAT 5640 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-135
 Cross Section -9999. To 9999. %



MAT 5640

Kerma capture (mt102) 56-Ba-135

Cross Section -100.0 To 9999. %

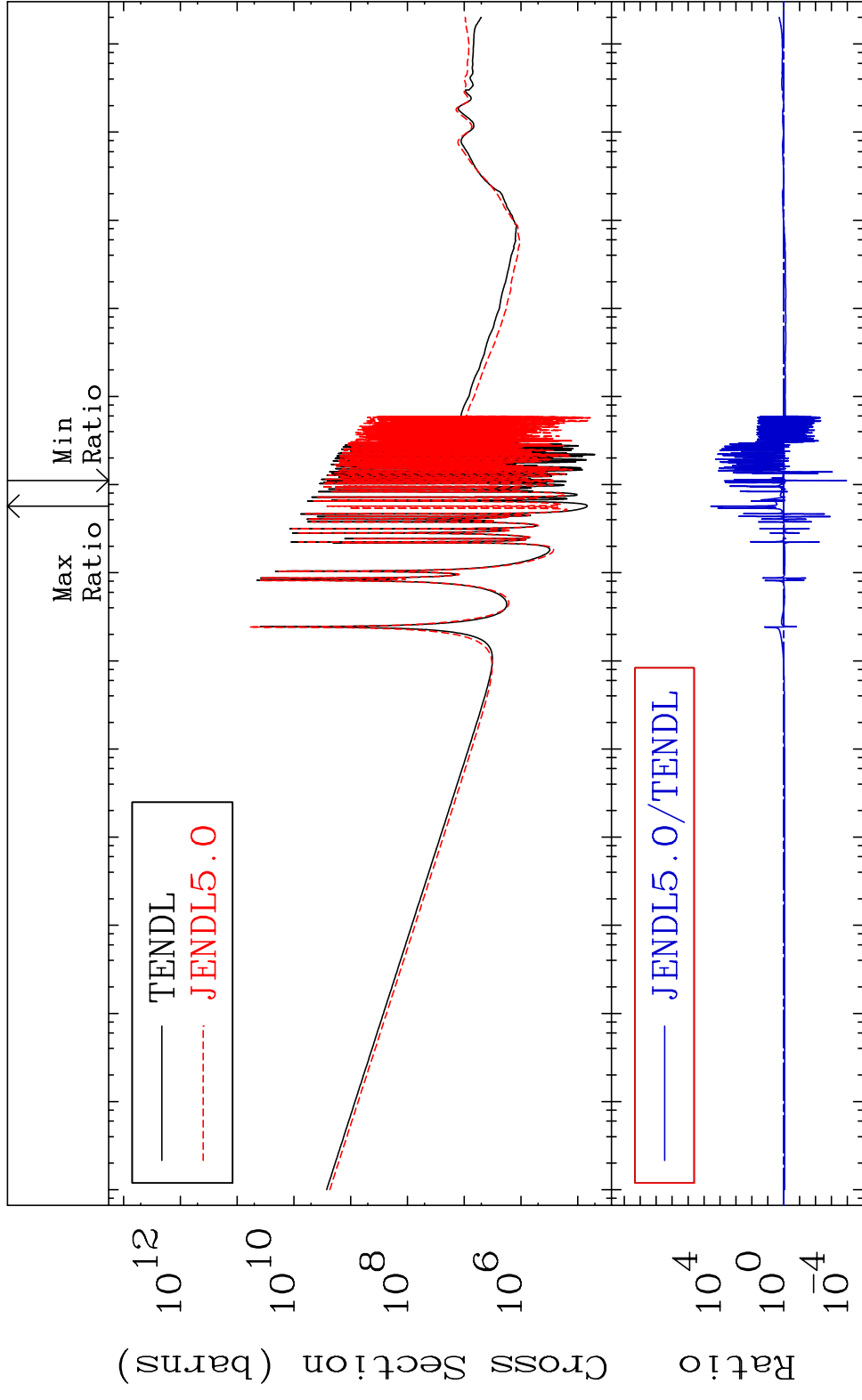


47

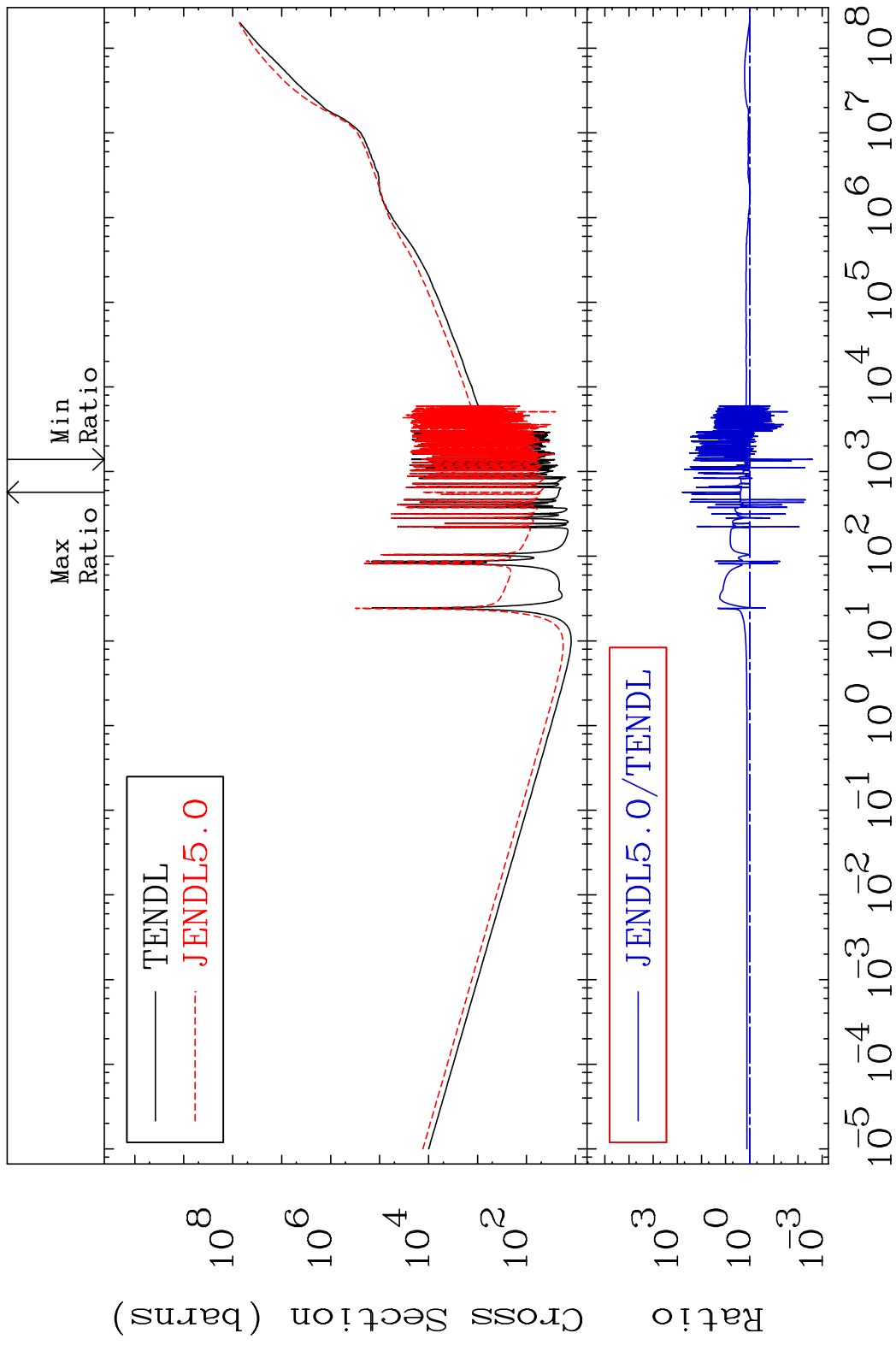
Incident Energy (eV)

56-Ba-135

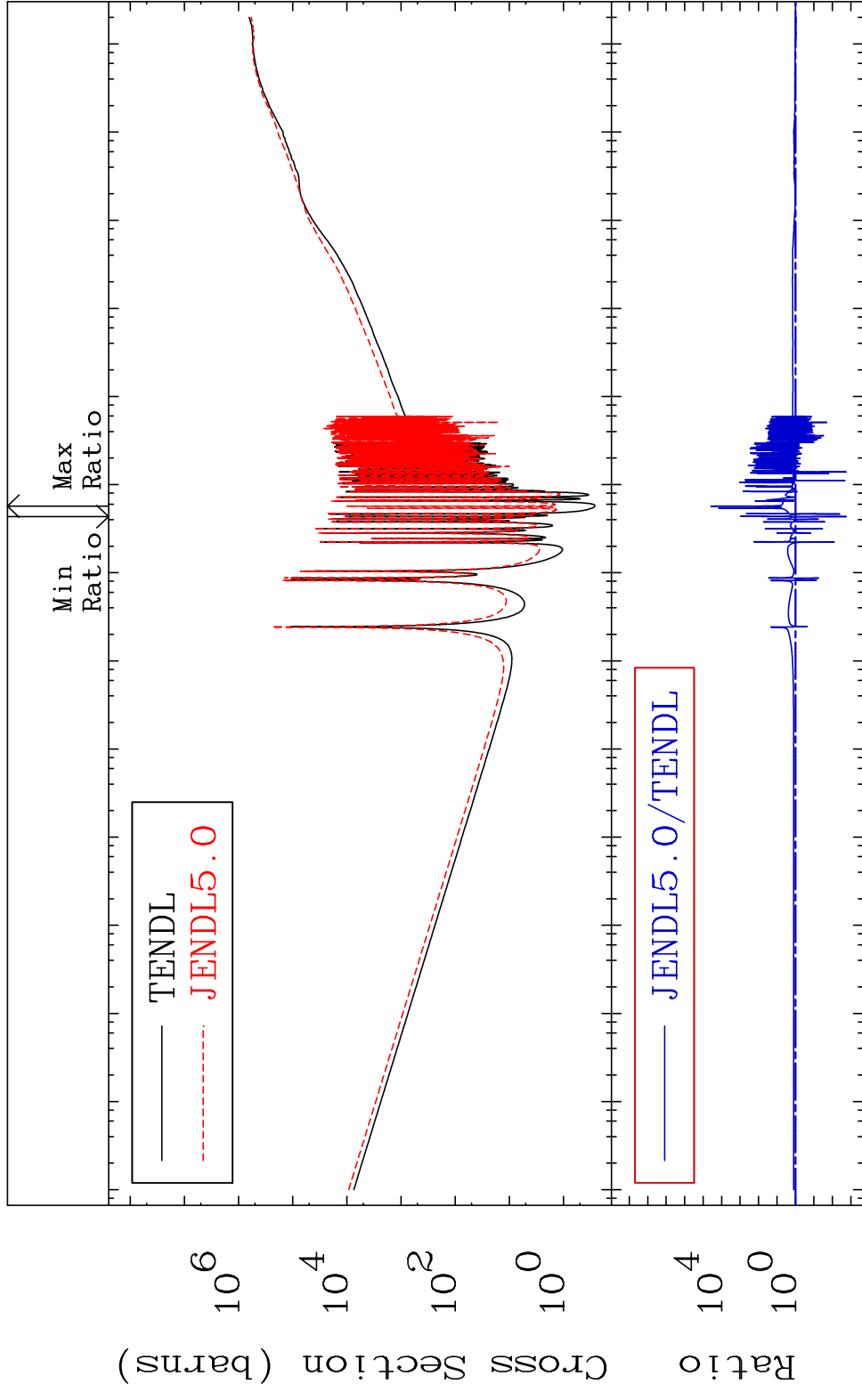
MAT 5640 Total photon (eV-barns) 56-Ba-135
 Cross Section -99.99 To 9999. %



MAT 5640 Total kinematic kerma (high limit) 56-Ba-135
Cross Section -99.75 To 9999. %



MAT 5640 Dpa total (eV-barns) 56-Ba-135
 Cross Section -99.82 To 9999. %



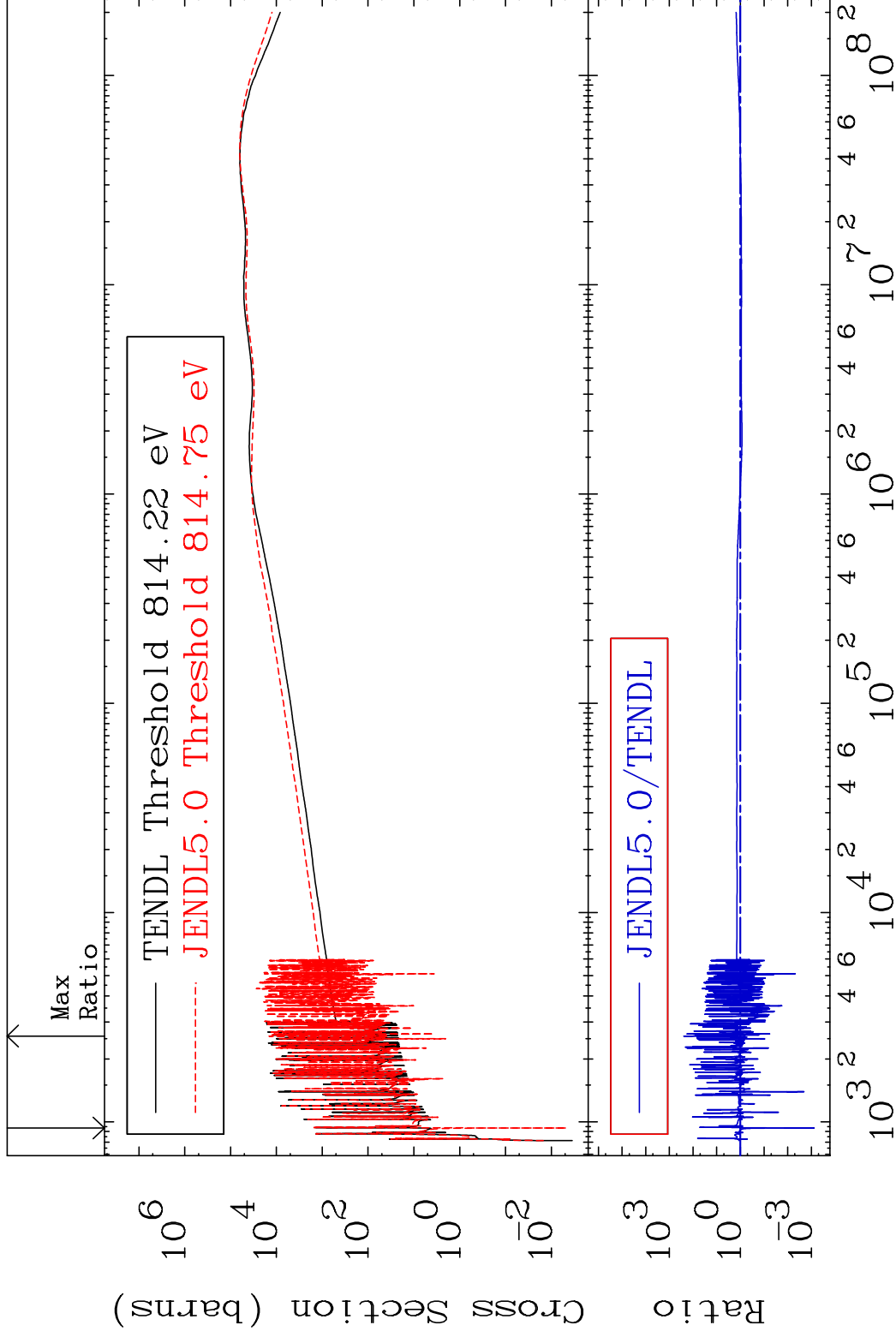
50 Incident Energy (eV) 56-Ba-135

MAT 5640

Dpa elastic (mt2)

56-Ba-135

Cross Section -99.92 To 9999. %

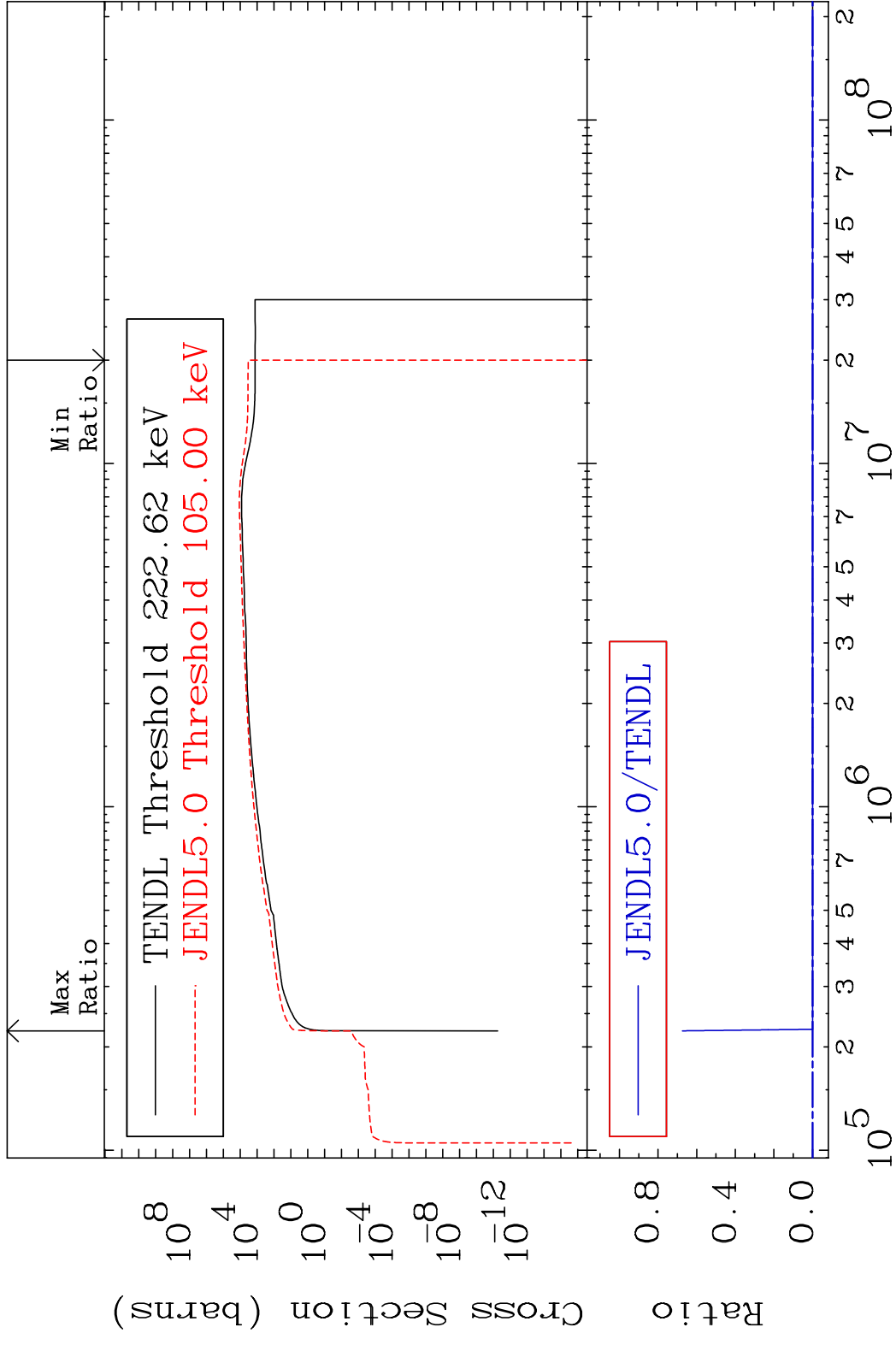


51

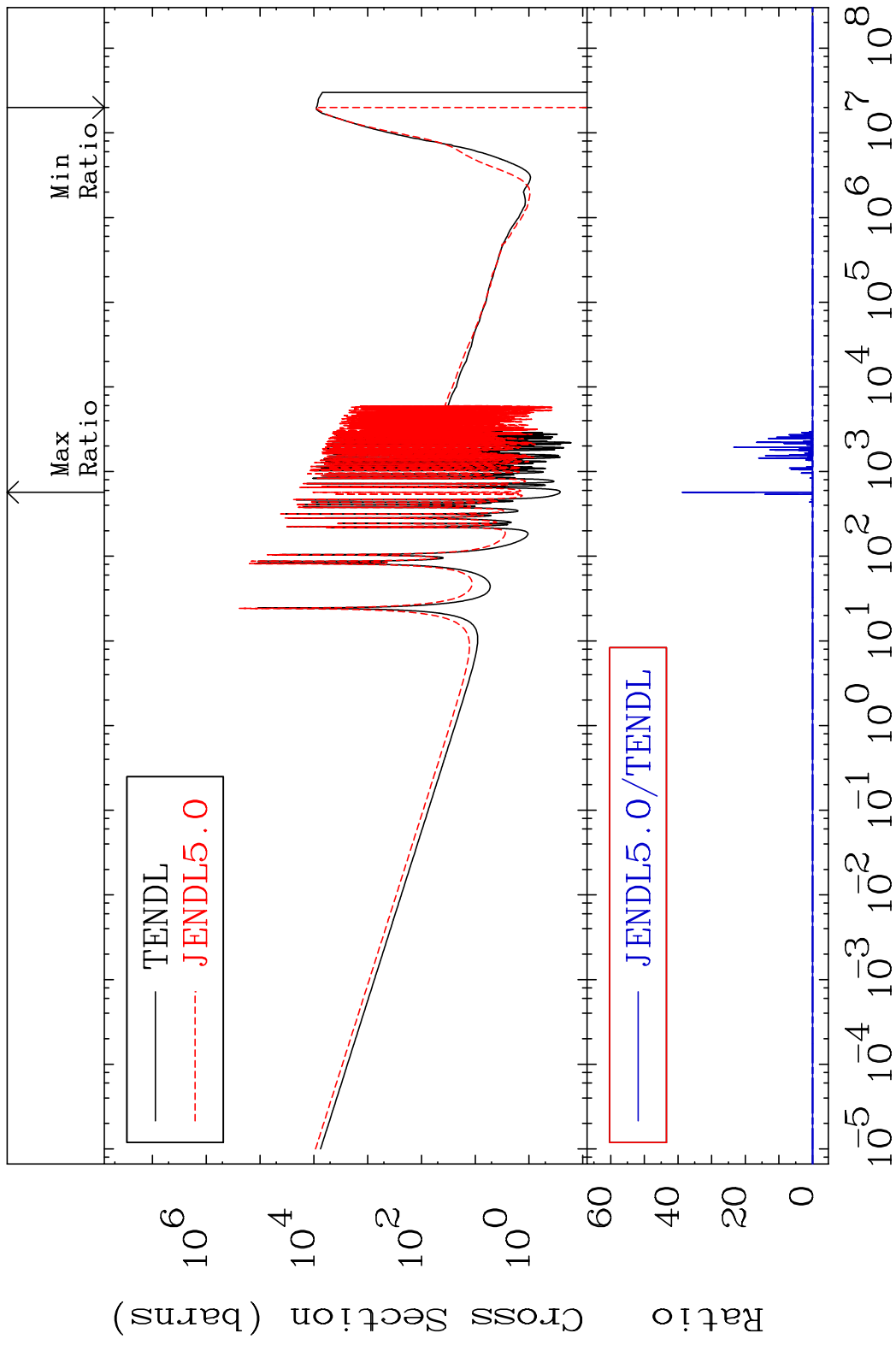
Incident Energy (eV)

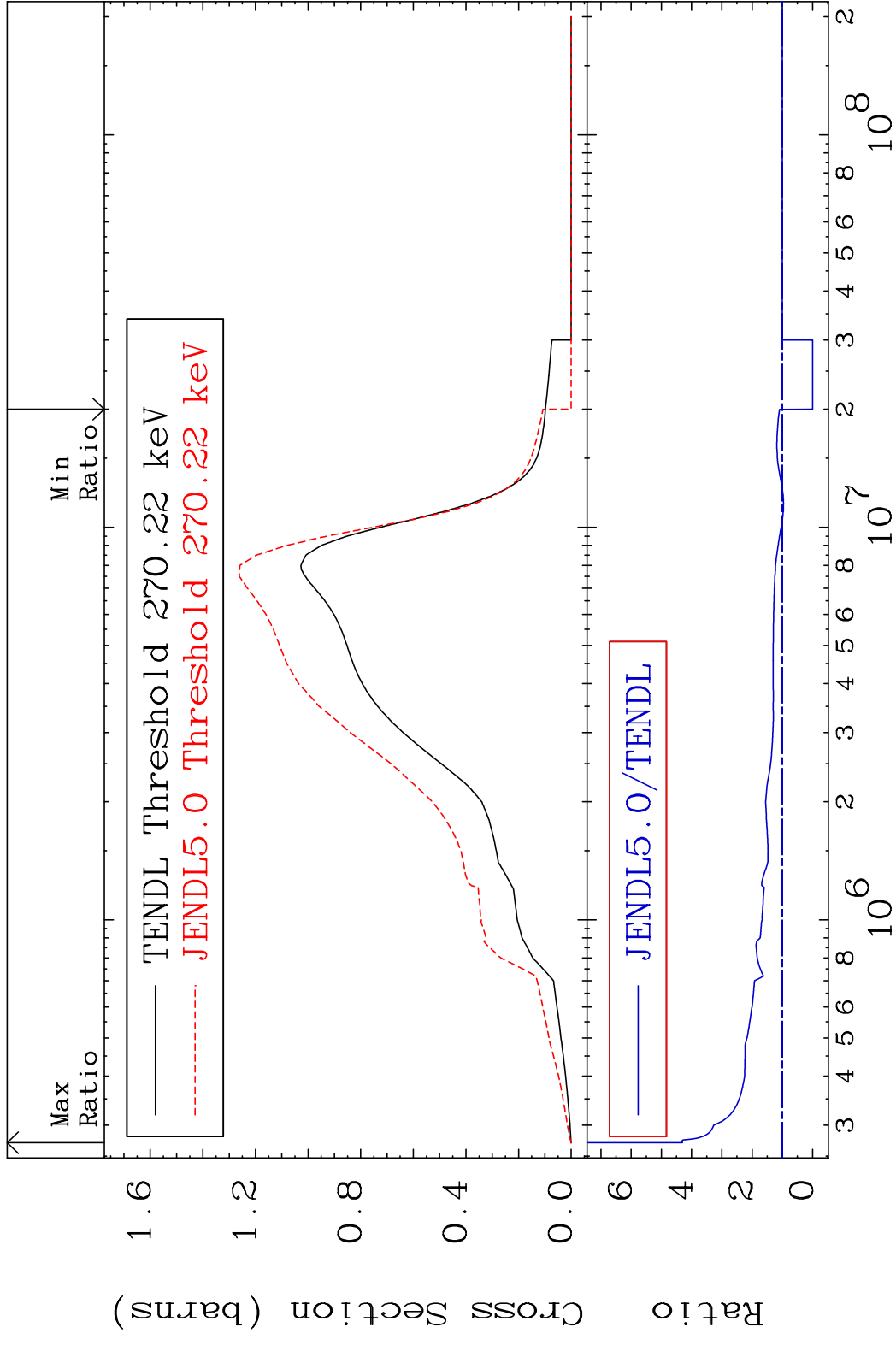
56-Ba-135

MAT 5640 Dpa inelastic (mt51-91) 56-Ba-135
 Cross Section -100.0 To 9999. %

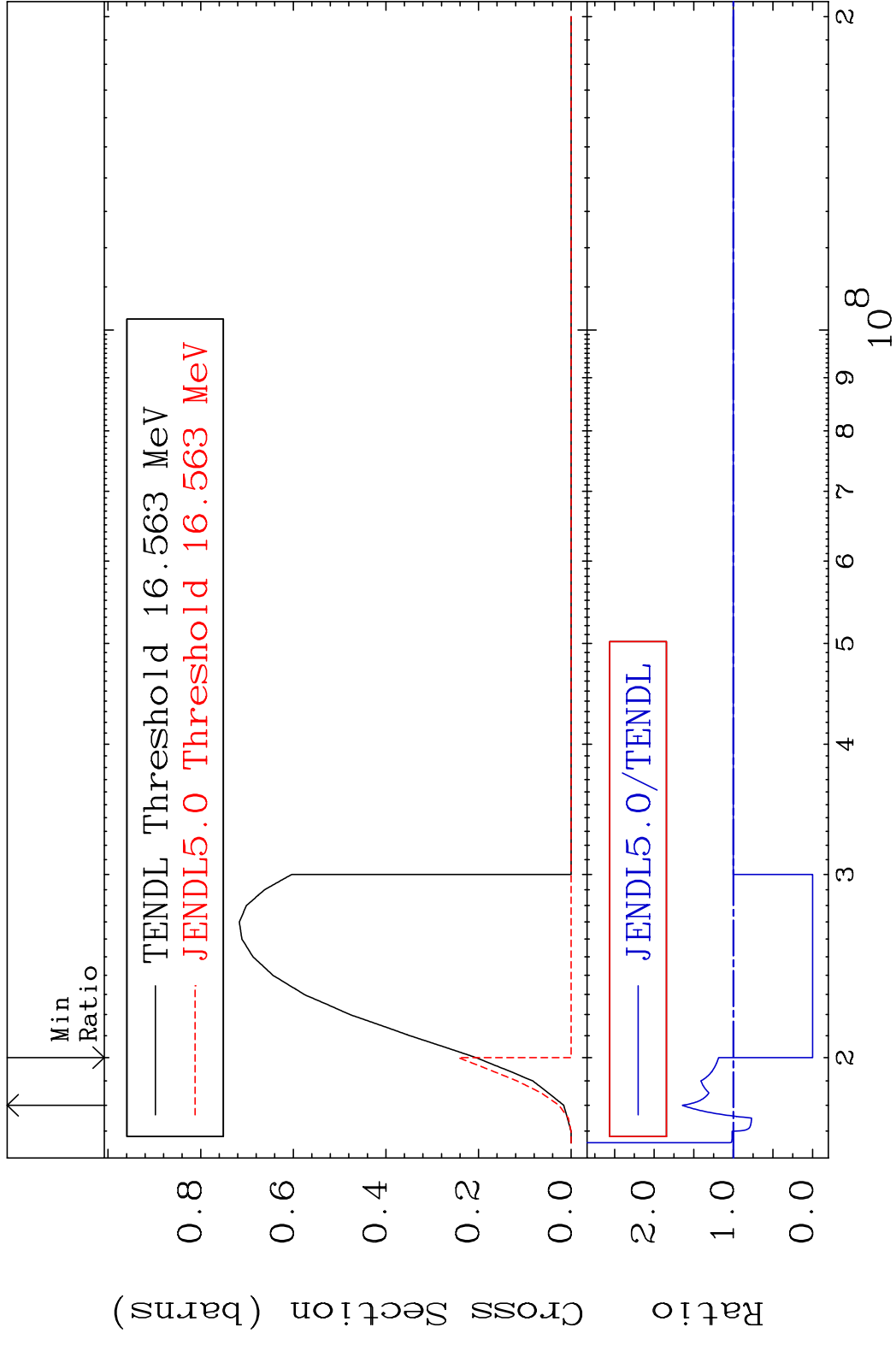


MAT 5640 Dpa disappearance (mt102 -120) 56-Ba-135
 Cross Section -100.0 To 9999. %

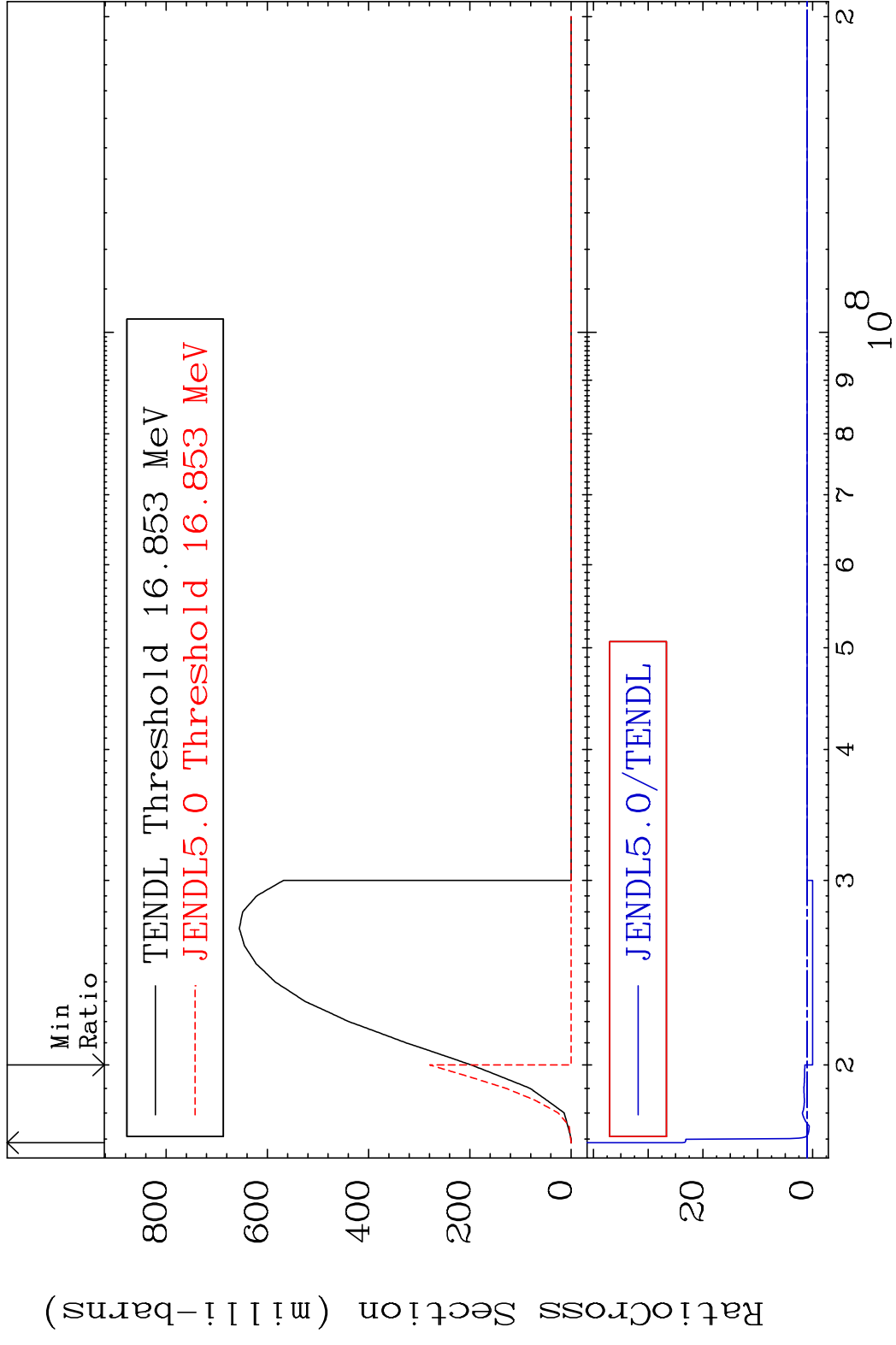


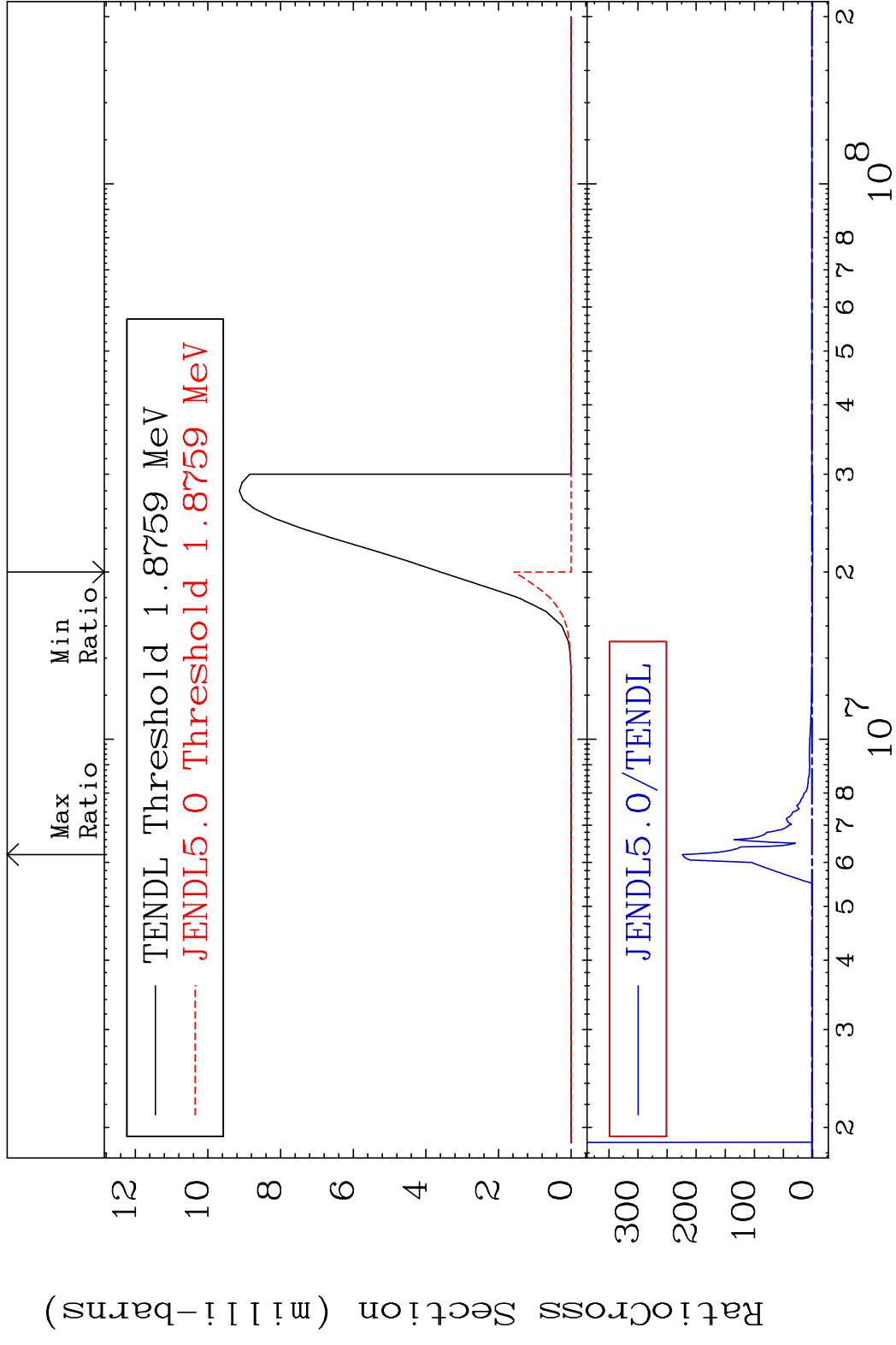


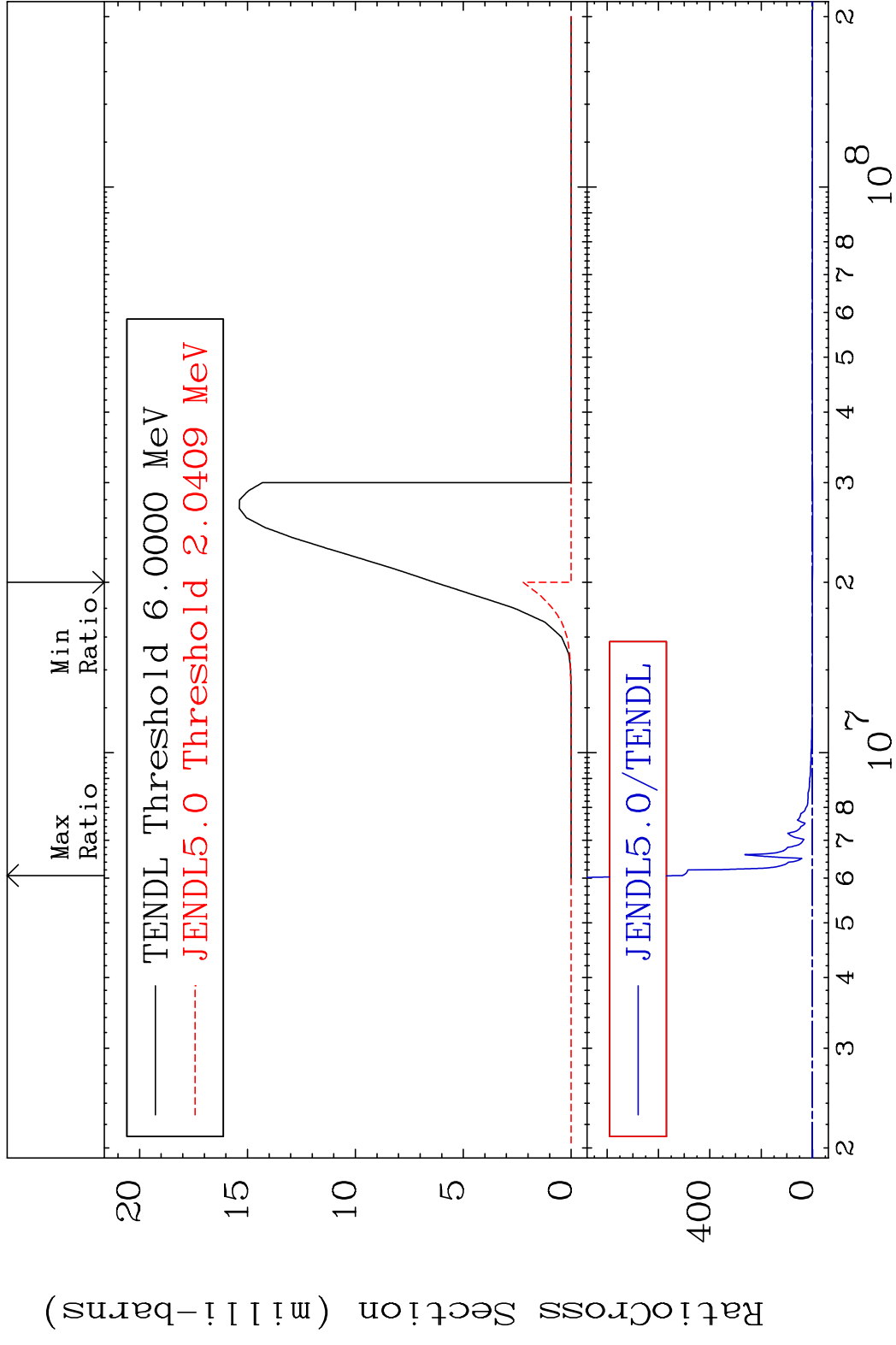
MAT 5640 (n,3n):56-Ba-133g 56-Ba-135
 Radionuclide Production Cross Section 180.01 dth 64.39 %



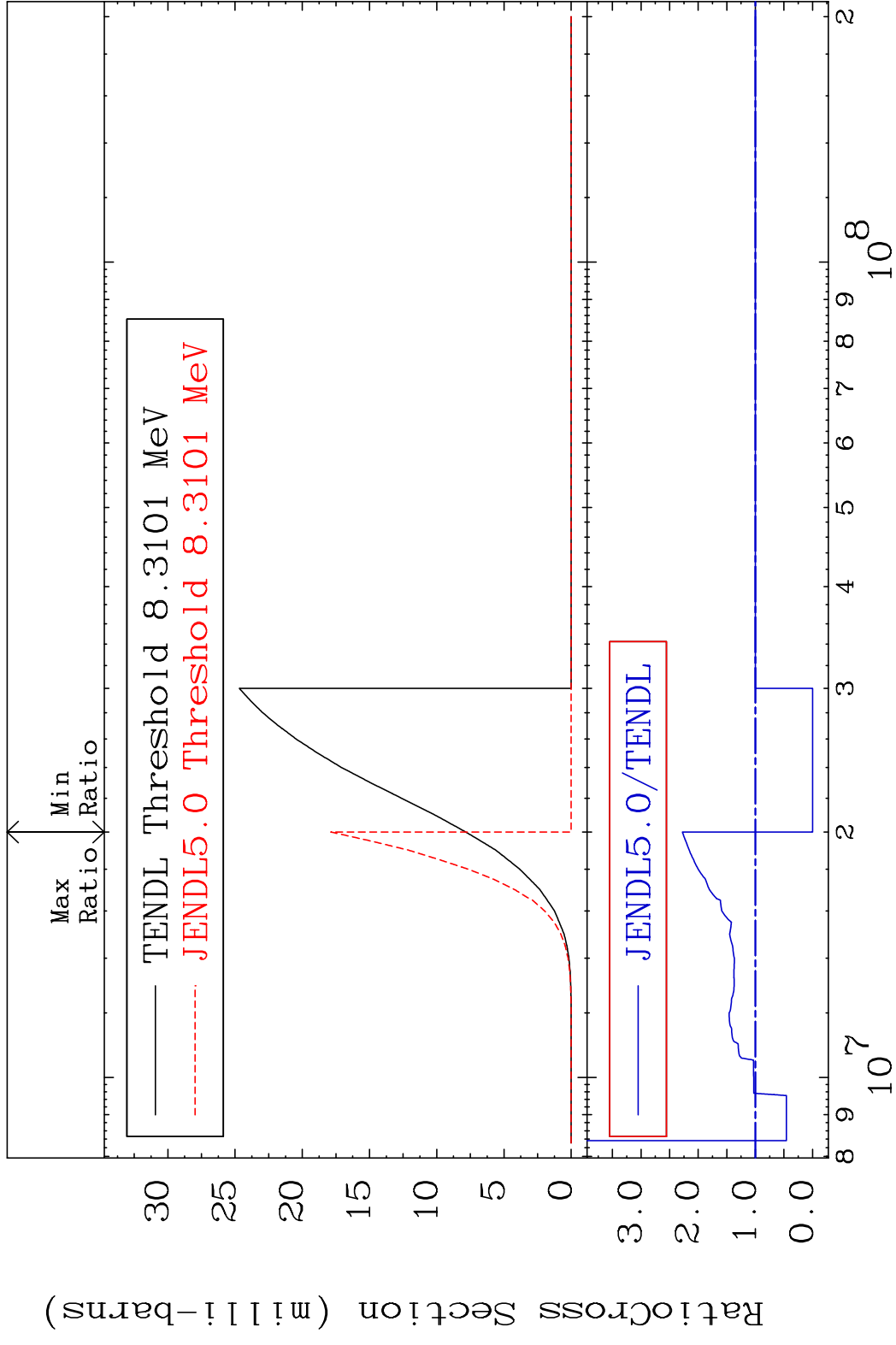
MAT 5640 (n, 3n):56-Ba-133m2 56-Ba-135
 Radionuclide Production Cross Section 180.0 dth 2276. %



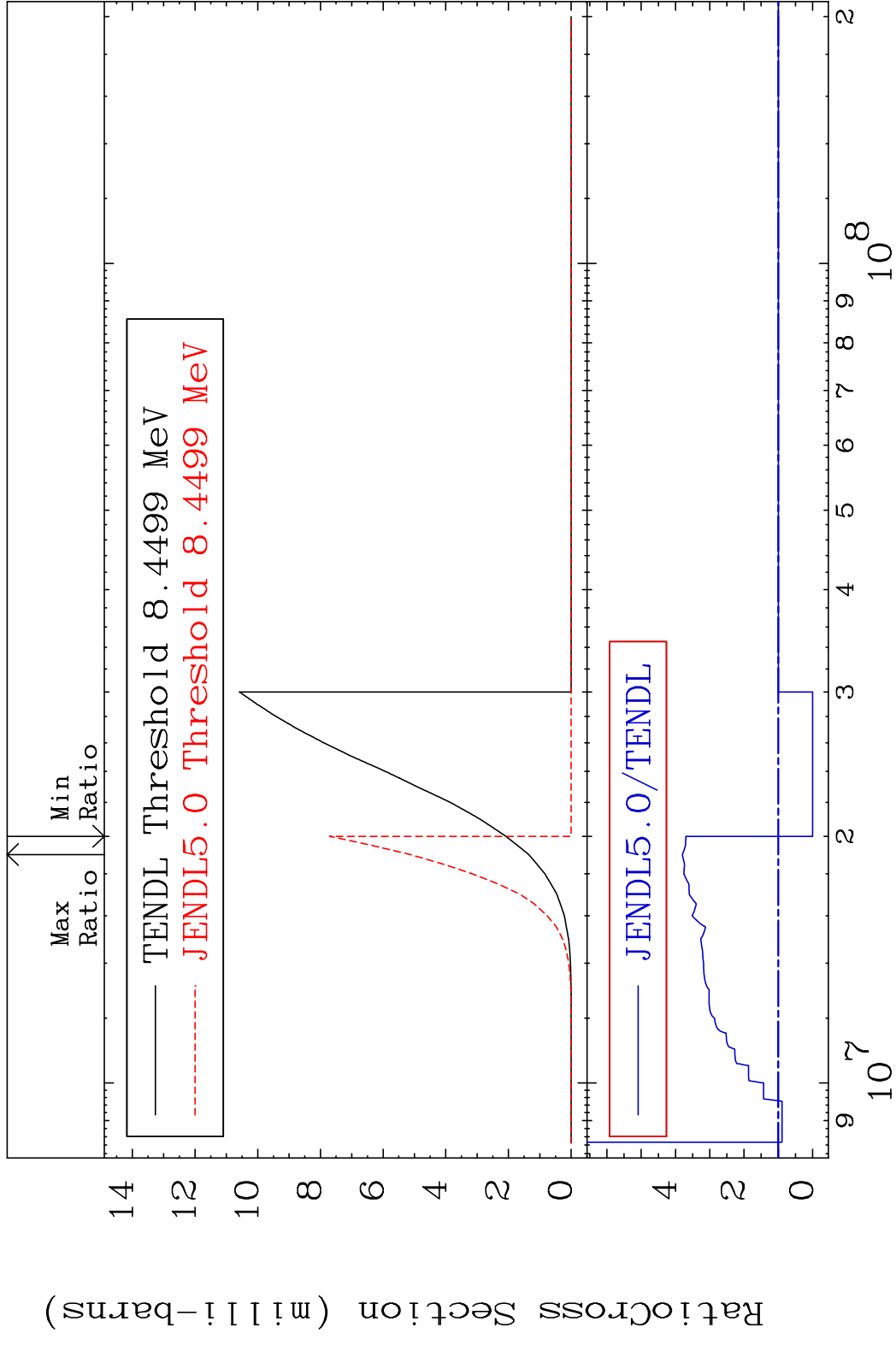




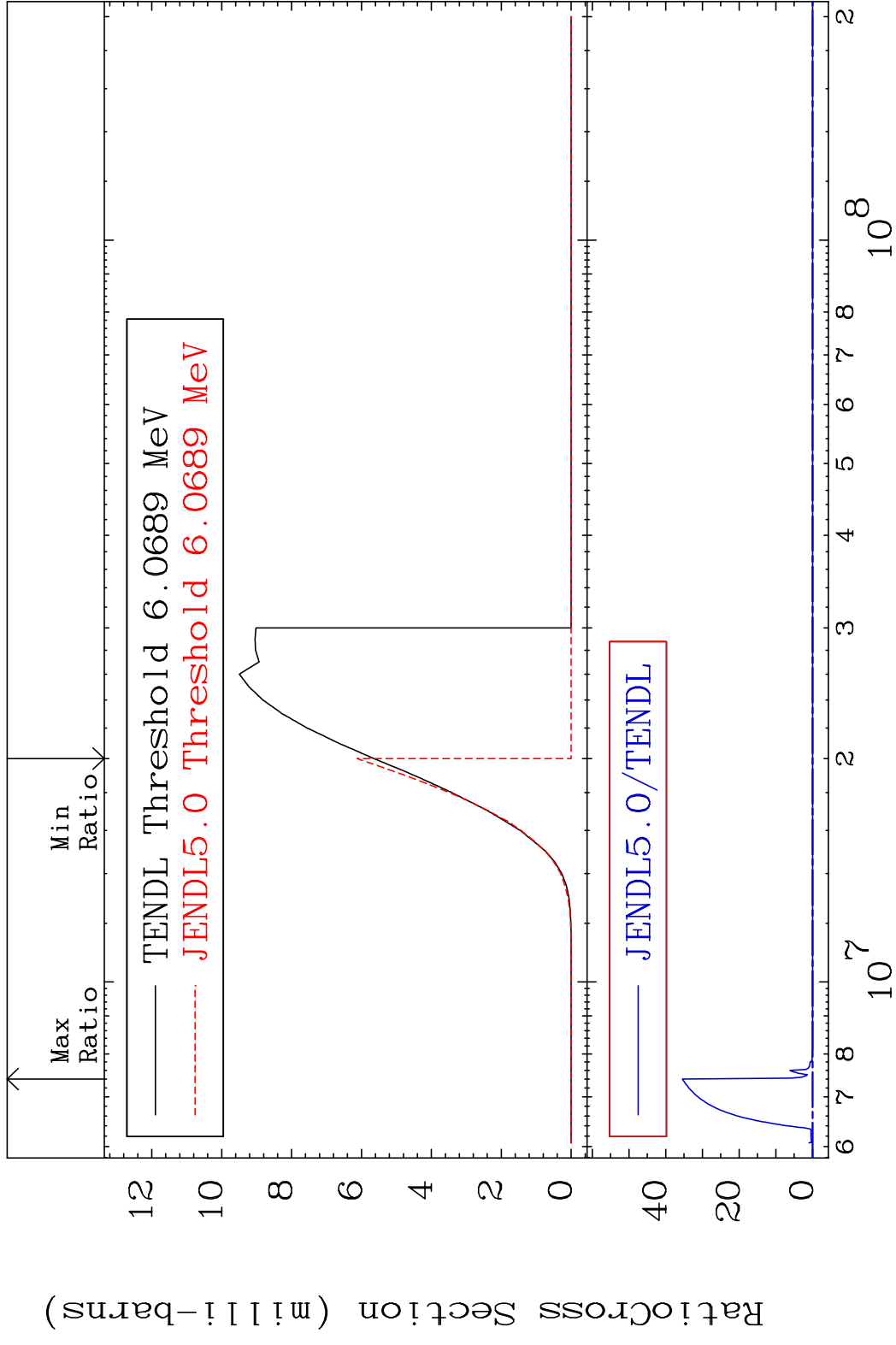
MAT 5640 (n, n') p:55-Cs-134g 56-Ba-135
 Radionuclide Production Cross Section 127.7 %



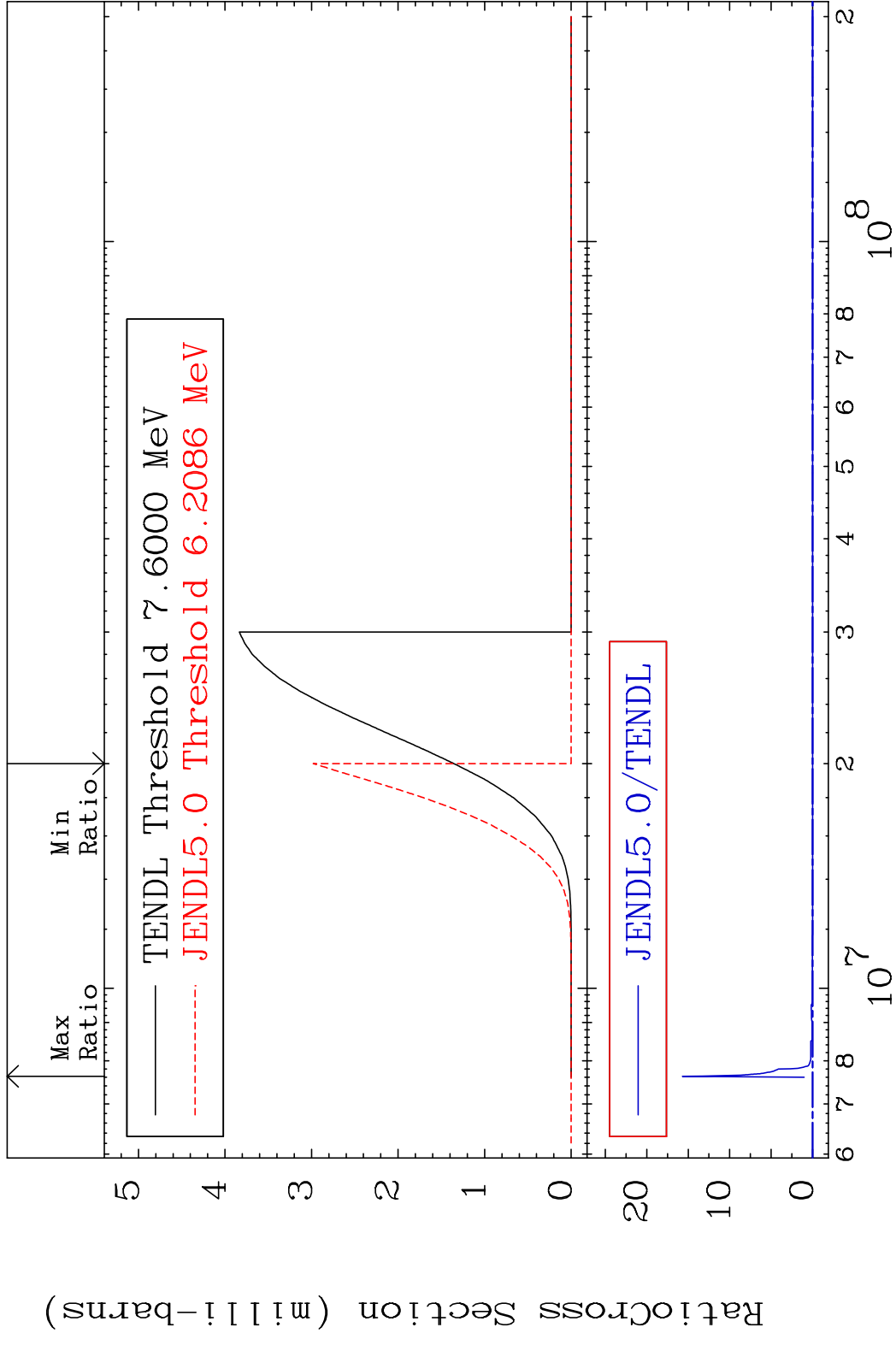
MAT 5640 (n, n') p:55-Cs-134m3 56-Ba-135
 Radionuclide Production Cross Section 180.0 dth 279.9 %

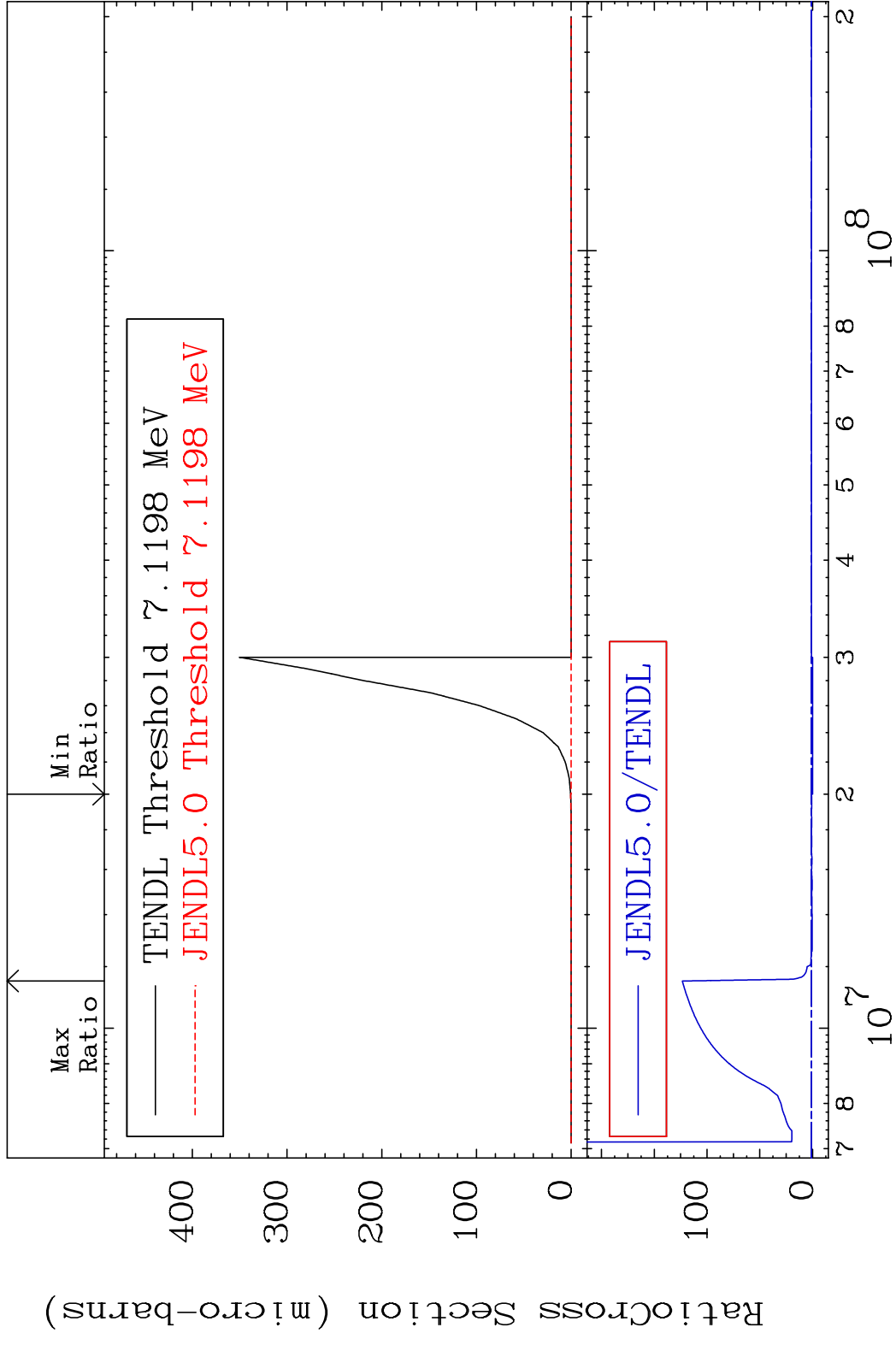


60 Incident Energy (eV) 56-Ba-135



MAT 5640 (n, d):55-Cs-134m3 56-Ba-135
 Radionuclide Production Cross Section Ratio





MAT 5640 (n, He-3) : 54-Xe-133m1 56-Ba-135
 Radionuclide Production Cross Section Ratio 441.2 %

