

Program Complot
(Version 2021-1)

by

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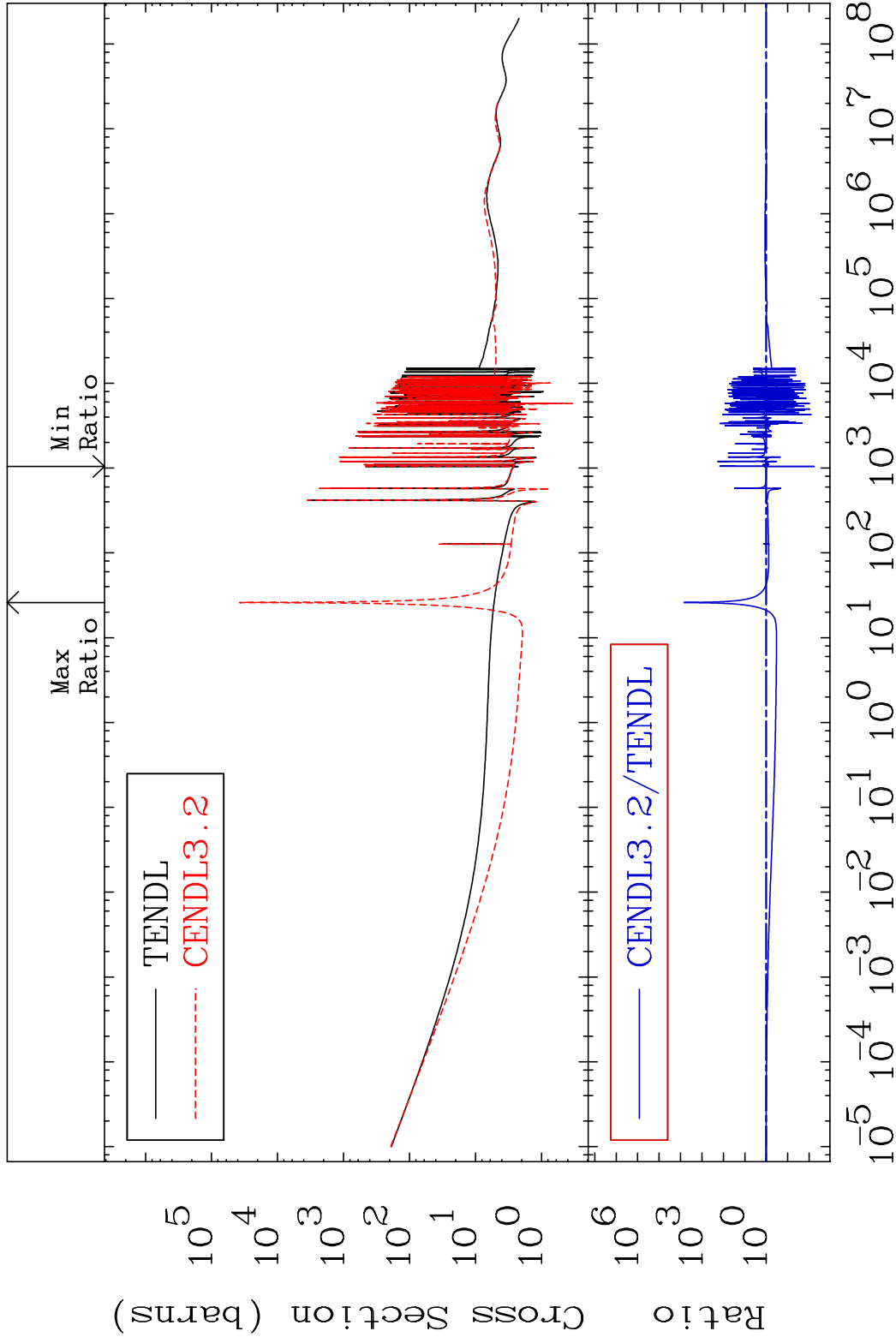
Press Mouse Button to Start

MAT 5646

Total

56-Ba-137

Cross Section -99.41 To 9999. %



1

Incident Energy (eV)

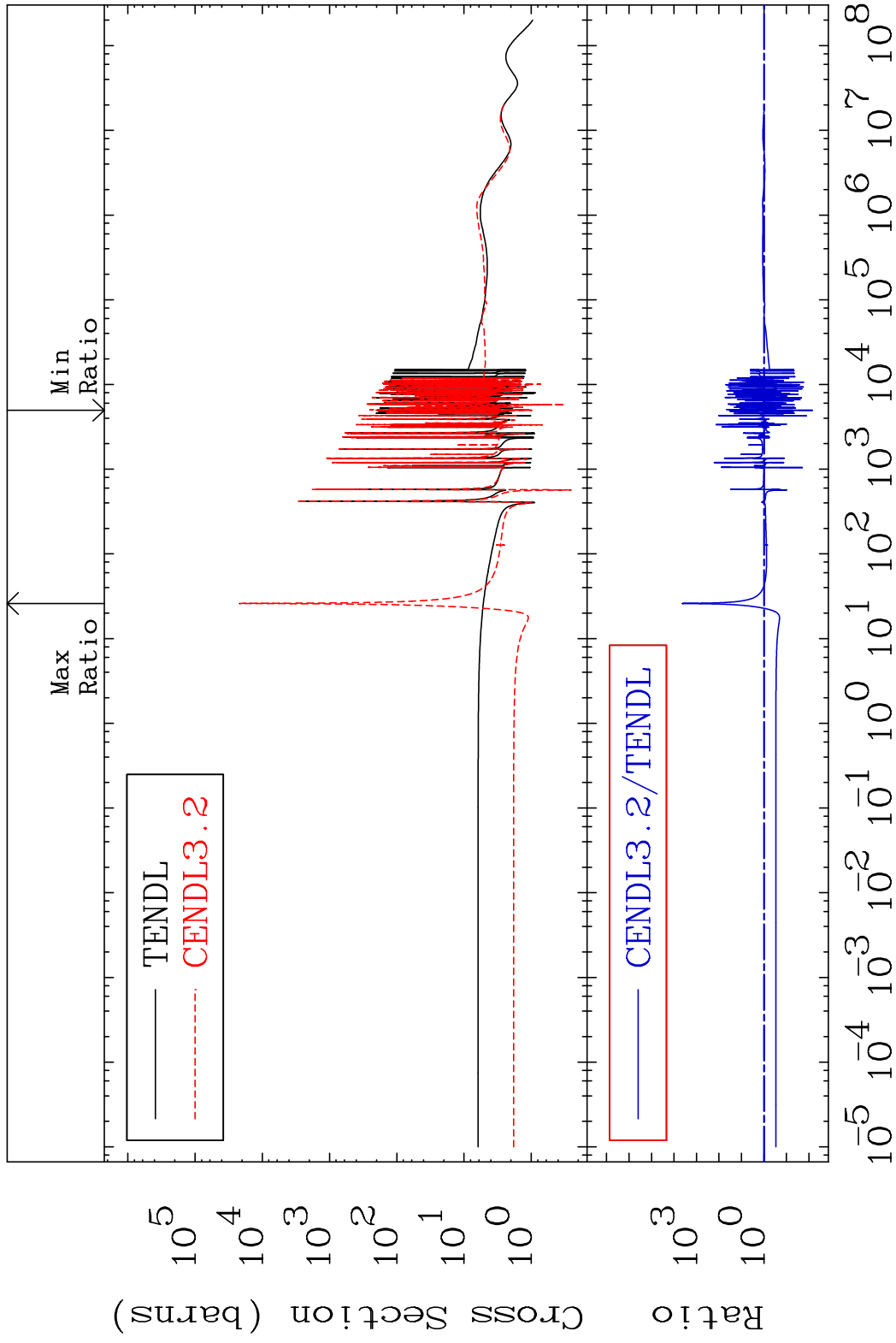
56-Ba-137

MAT 5646

Elastic

56-Ba-137

Cross Section -99.31 To 9999. %

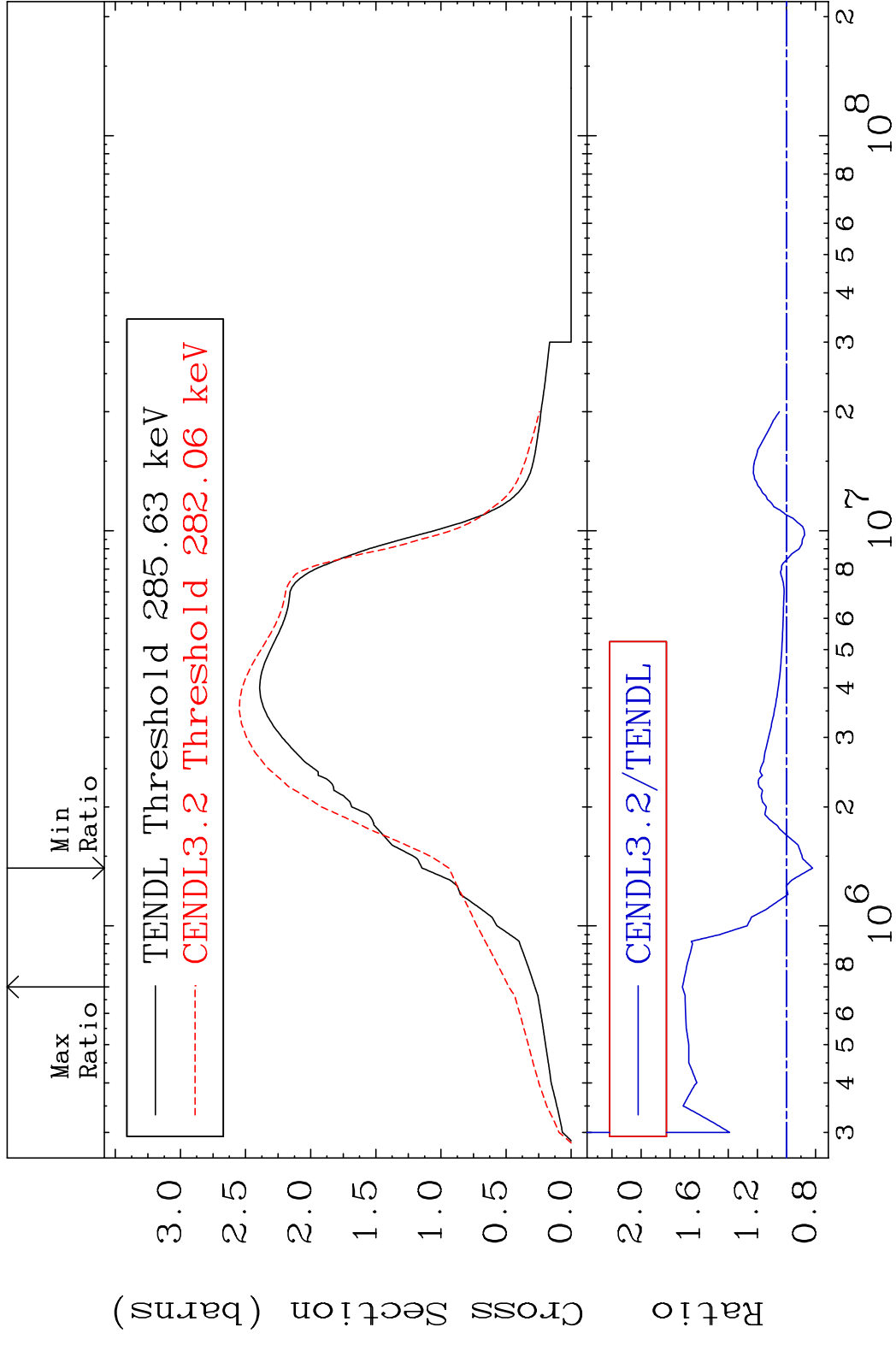


2

Incident Energy (eV)

56-Ba-137

MAT 5646 Inelastic 56-Ba-137
 Cross Section -17.96 To 71.61 %

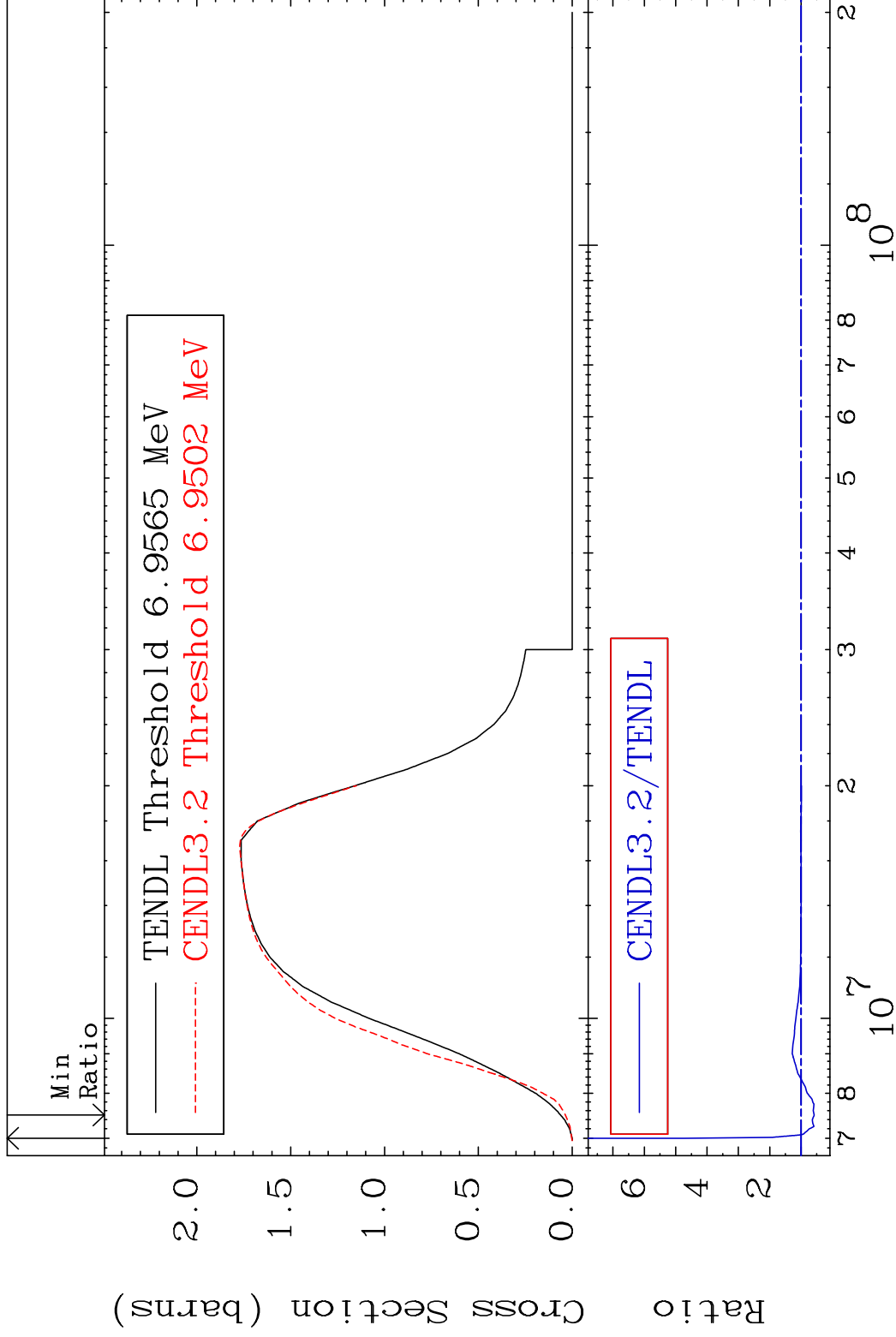


MAT 5646

(n,2n)

56-Ba-137

Cross Section -41.50 To 374.5 %



4

Incident Energy (eV)

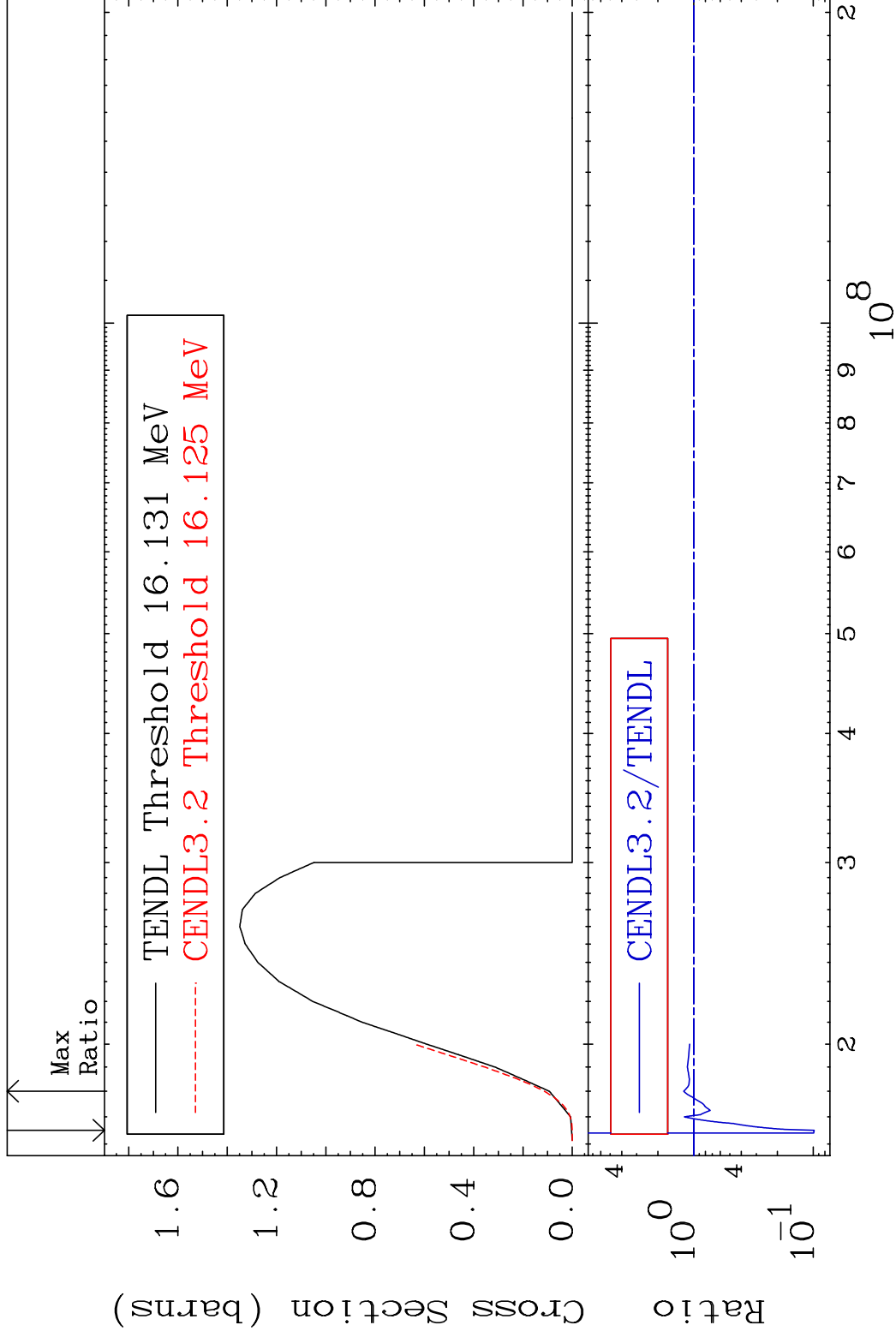
56-Ba-137

MAT 5646

(n,3n)

56-Ba-137

Cross Section -90.15 To 21.50 %

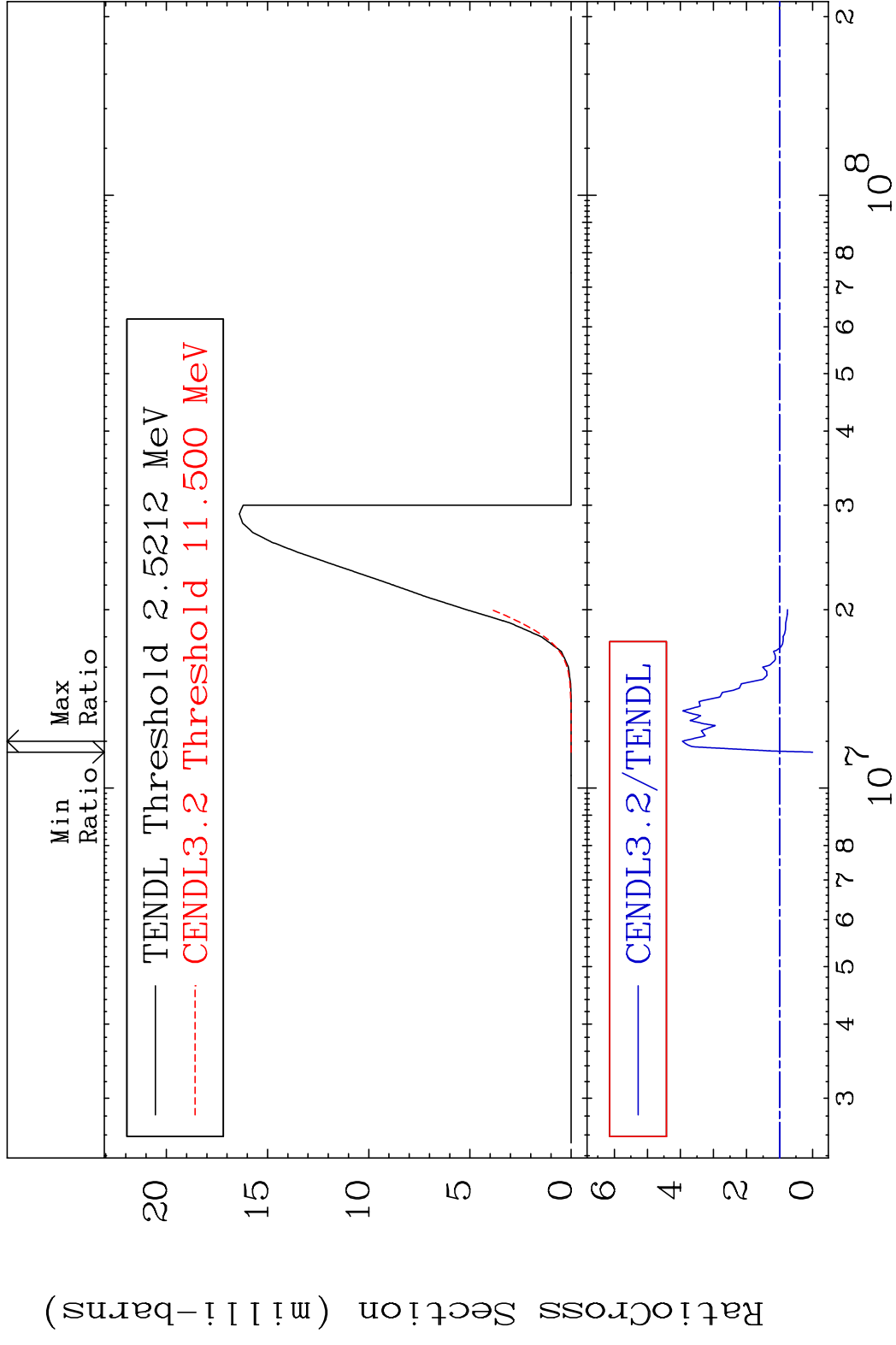


5

Incident Energy (eV)

56-Ba-137

MAT 5646 (n, n') α 56-Ba-137
 Cross Section -100.0 To 294.2 %



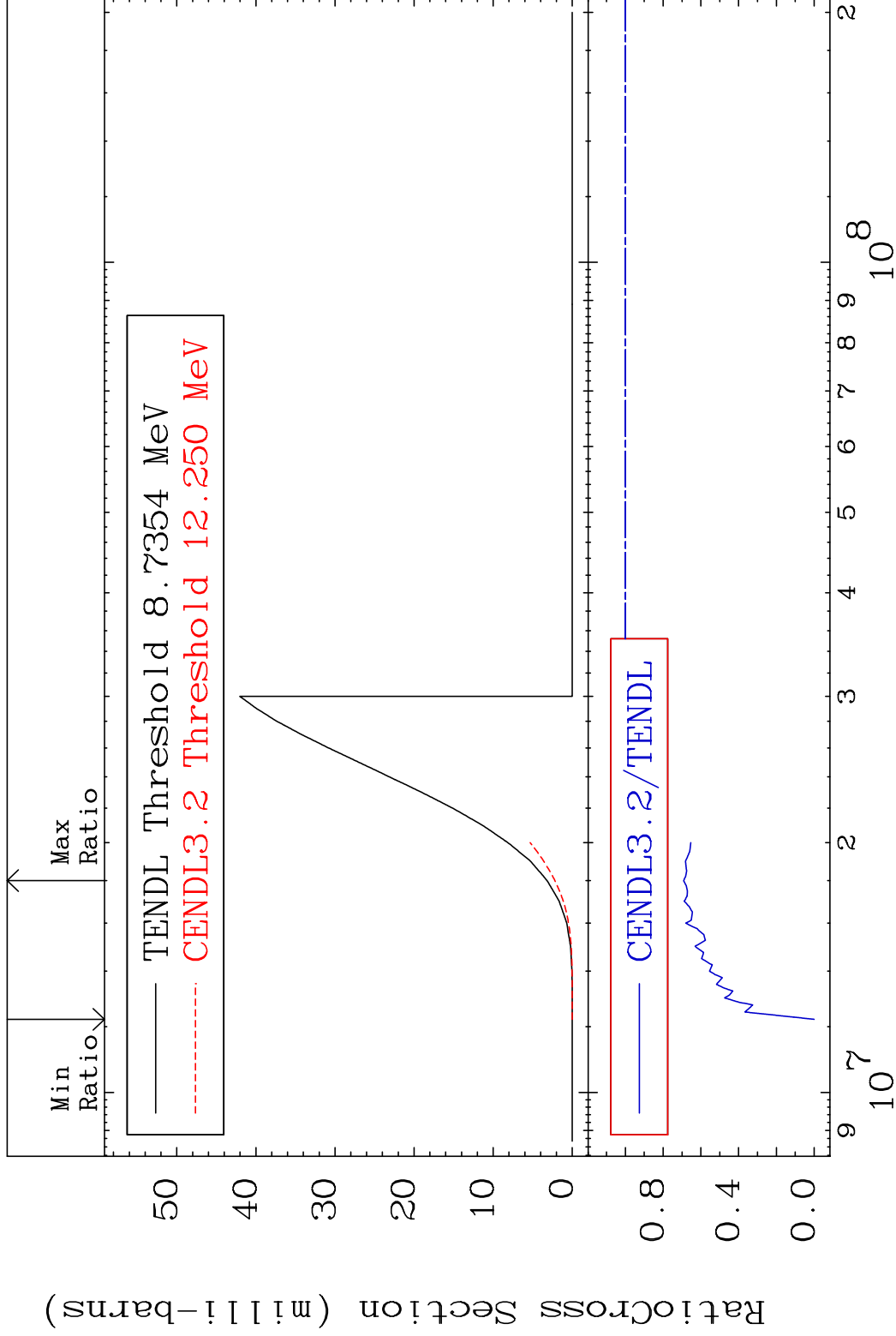
6 Incident Energy (eV) 56-Ba-137

MAT 5646

(n, n') p

56-Ba-137

Cross Section -100.0 To -30.87%

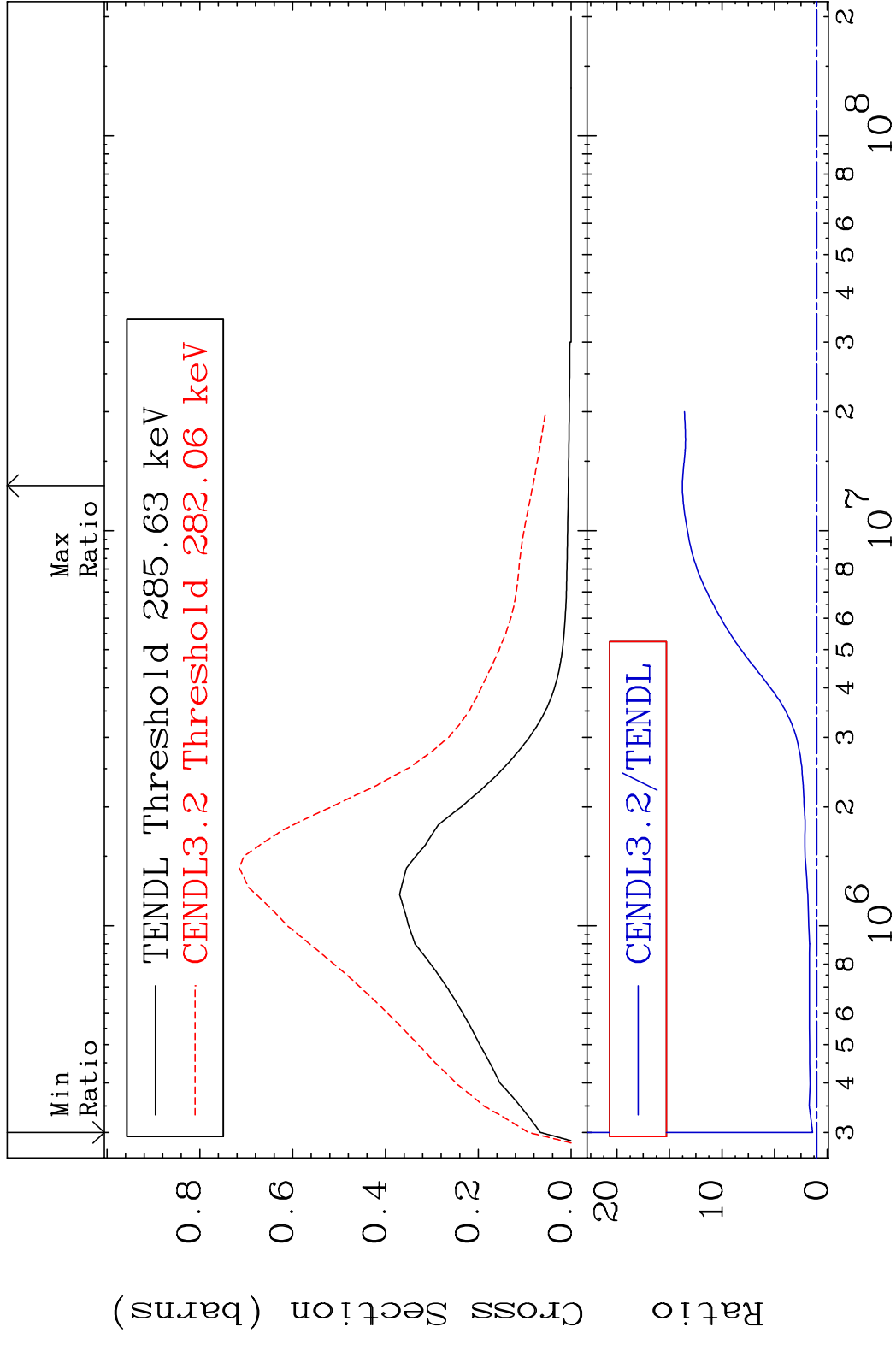


7

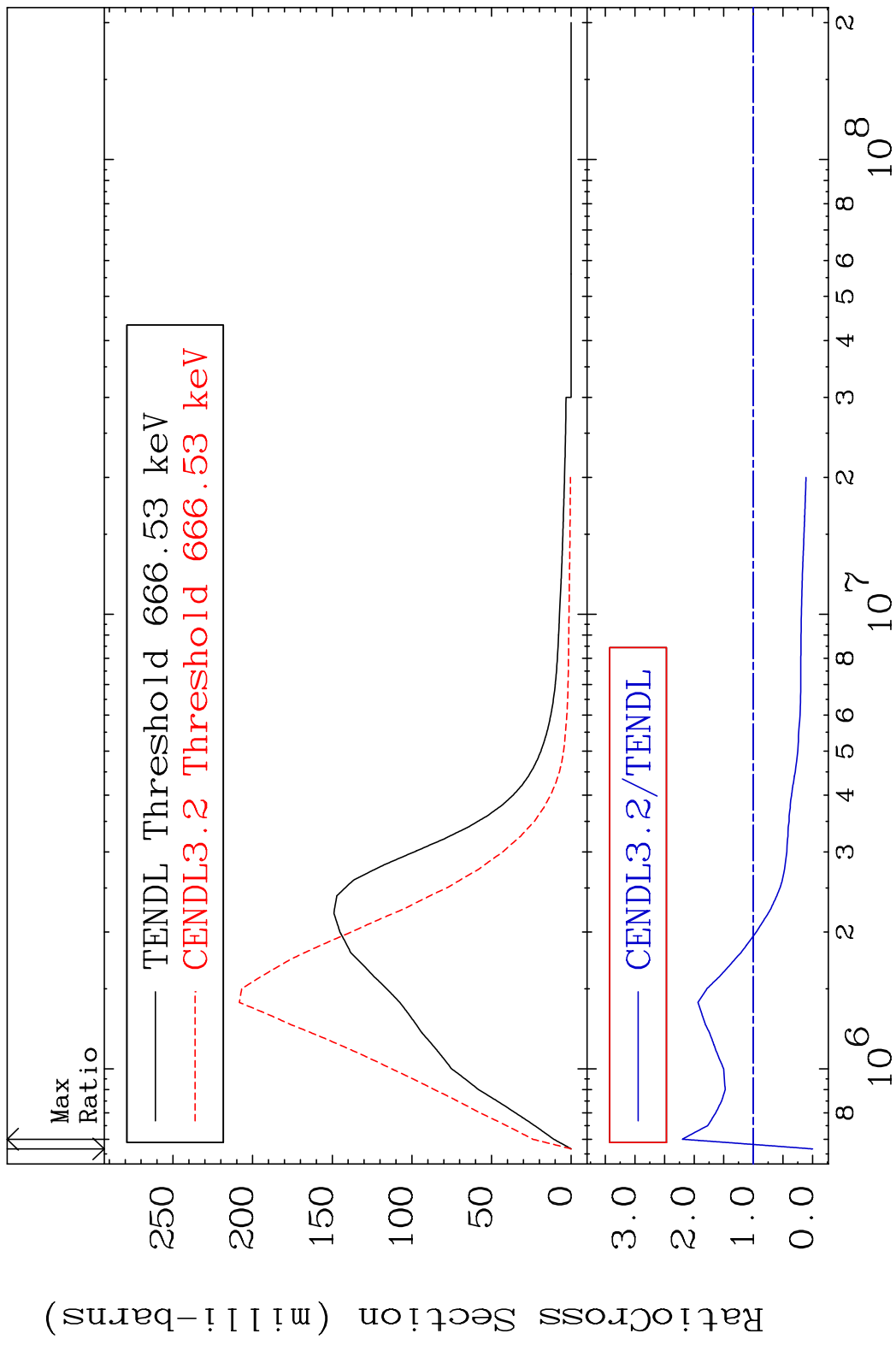
Incident Energy (eV)

56-Ba-137

MAT 5646 MT= 51 (n, n') Level 56-Ba-137
 Cross Section 39.16 To 1278. %



MAT 5646 MT= 52 (n,n') Level 56-Ba-137
 Cross Section -100.0 To 120.0 %

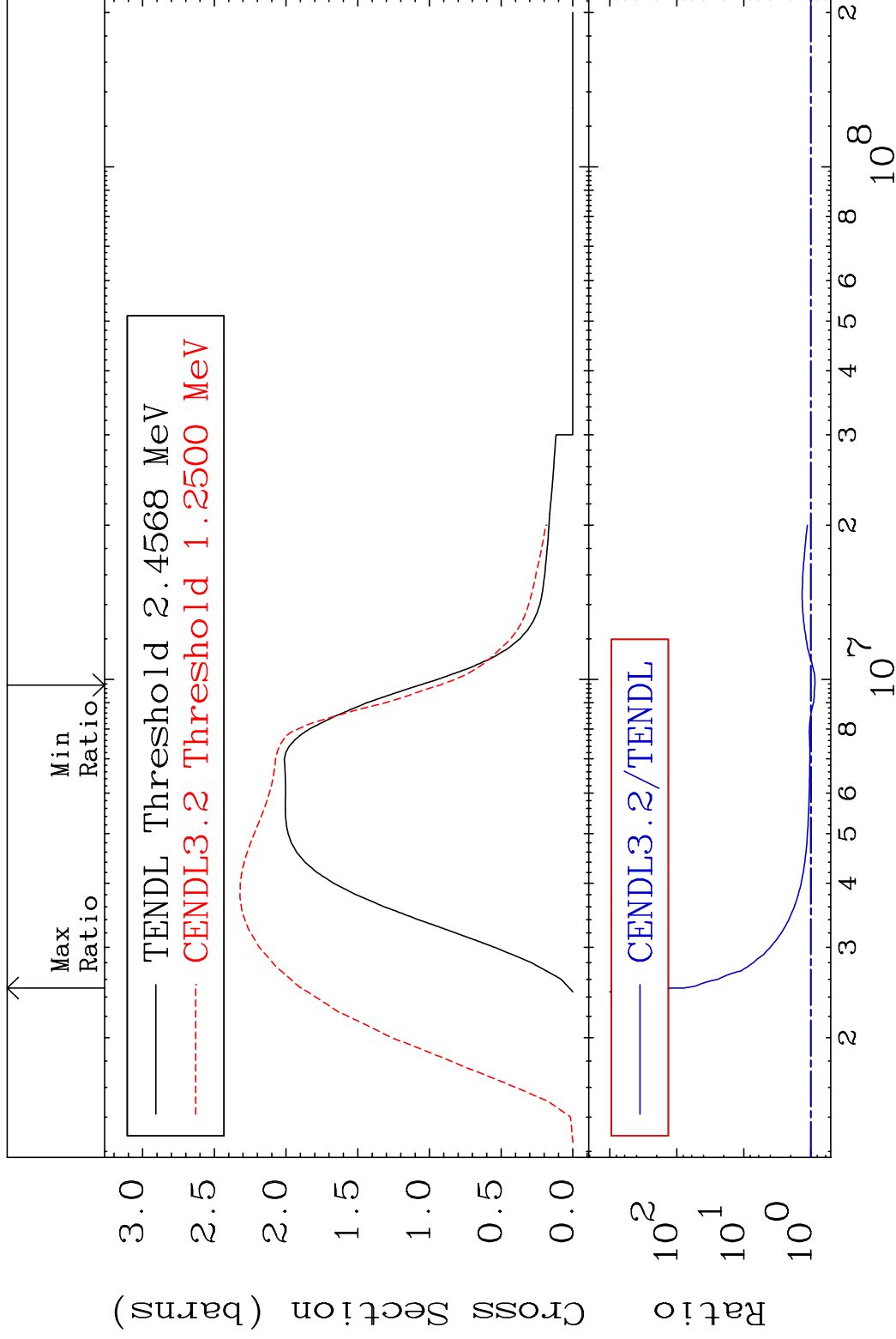


MAT 5646

(n, n') Continuum

56-Ba-137

Cross Section -13.26 To 7623. %



10

Incident Energy (eV)

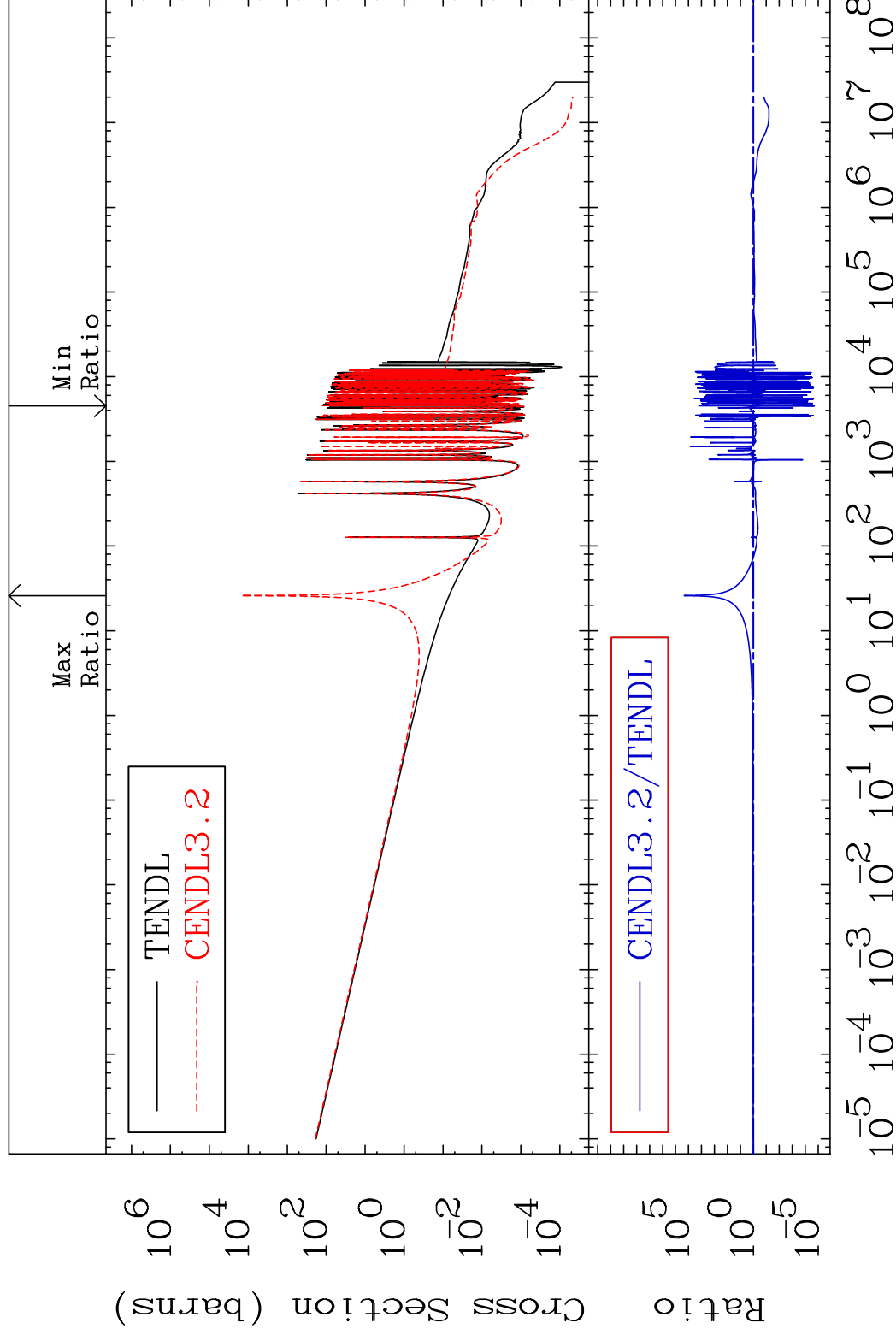
56-Ba-137

MAT 5646

(n, γ)

56-Ba-137

Cross Section -100.0 To 9999. %

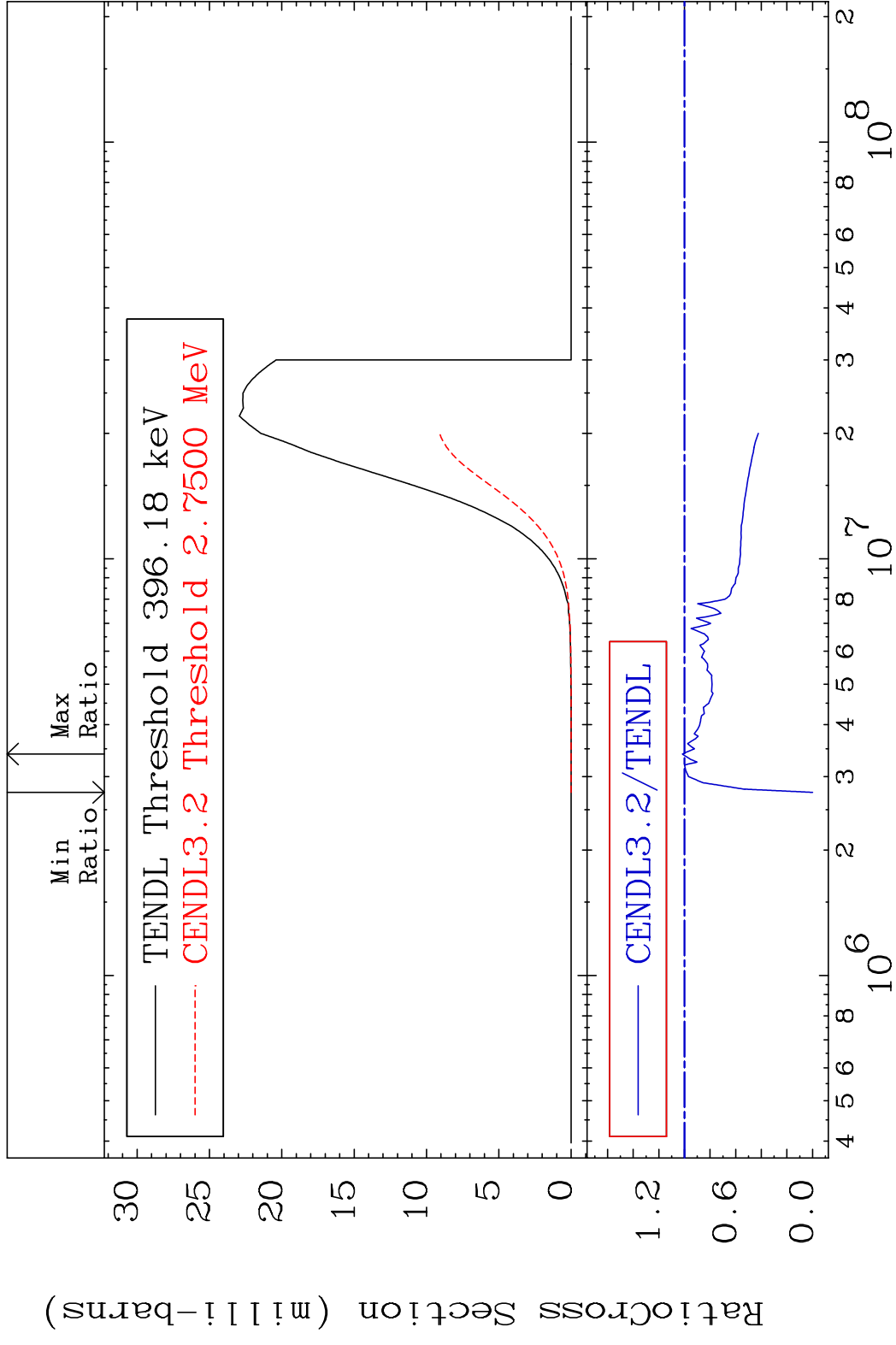


11

Incident Energy (eV)

56-Ba-137

MAT 5646 (n,p) 56-Ba-137
 Cross Section -100.0 To 1.644 %

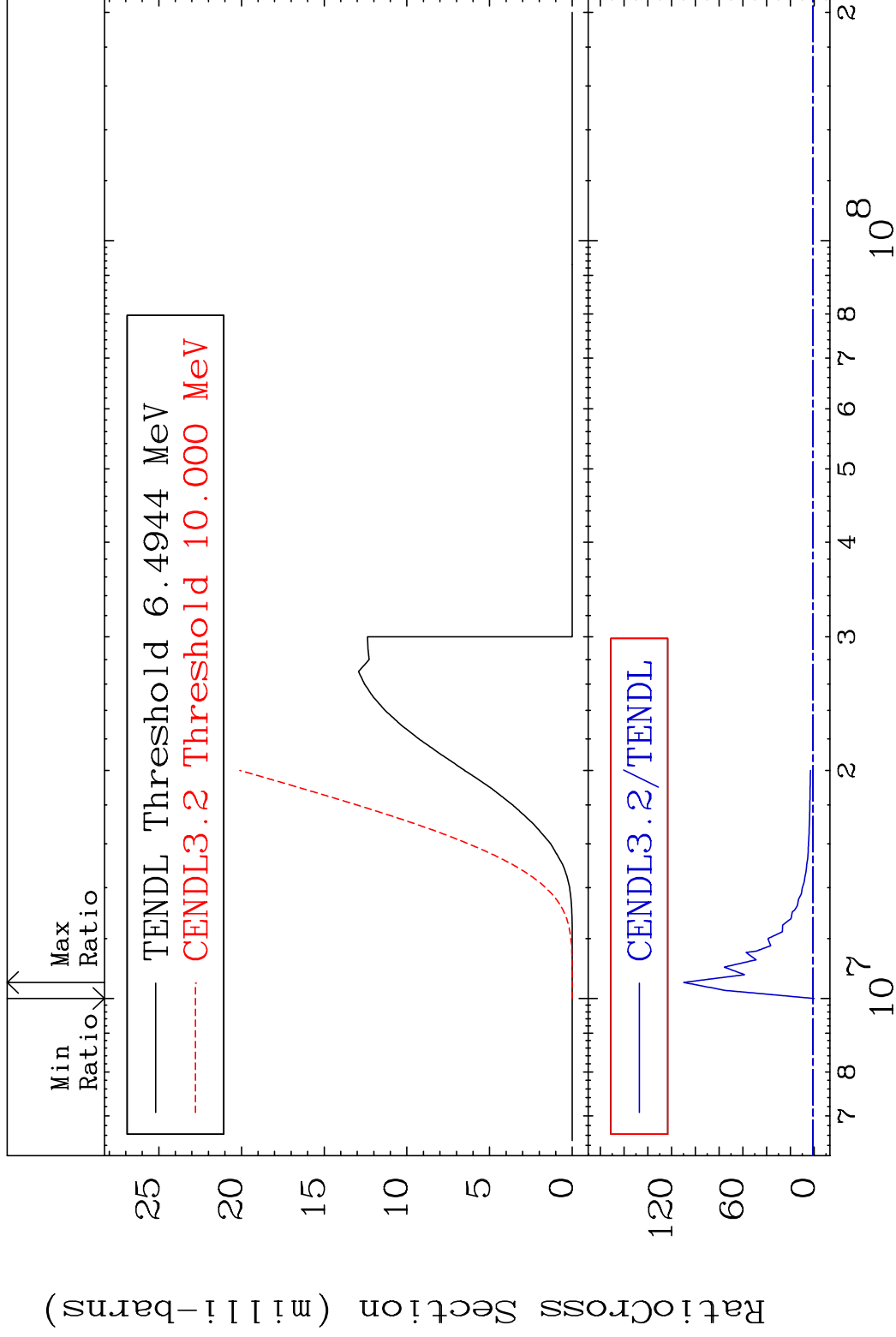


MAT 5646

(n,d)

56-Ba-137

Cross Section -100.0 To 9999. %



13

Incident Energy (eV)

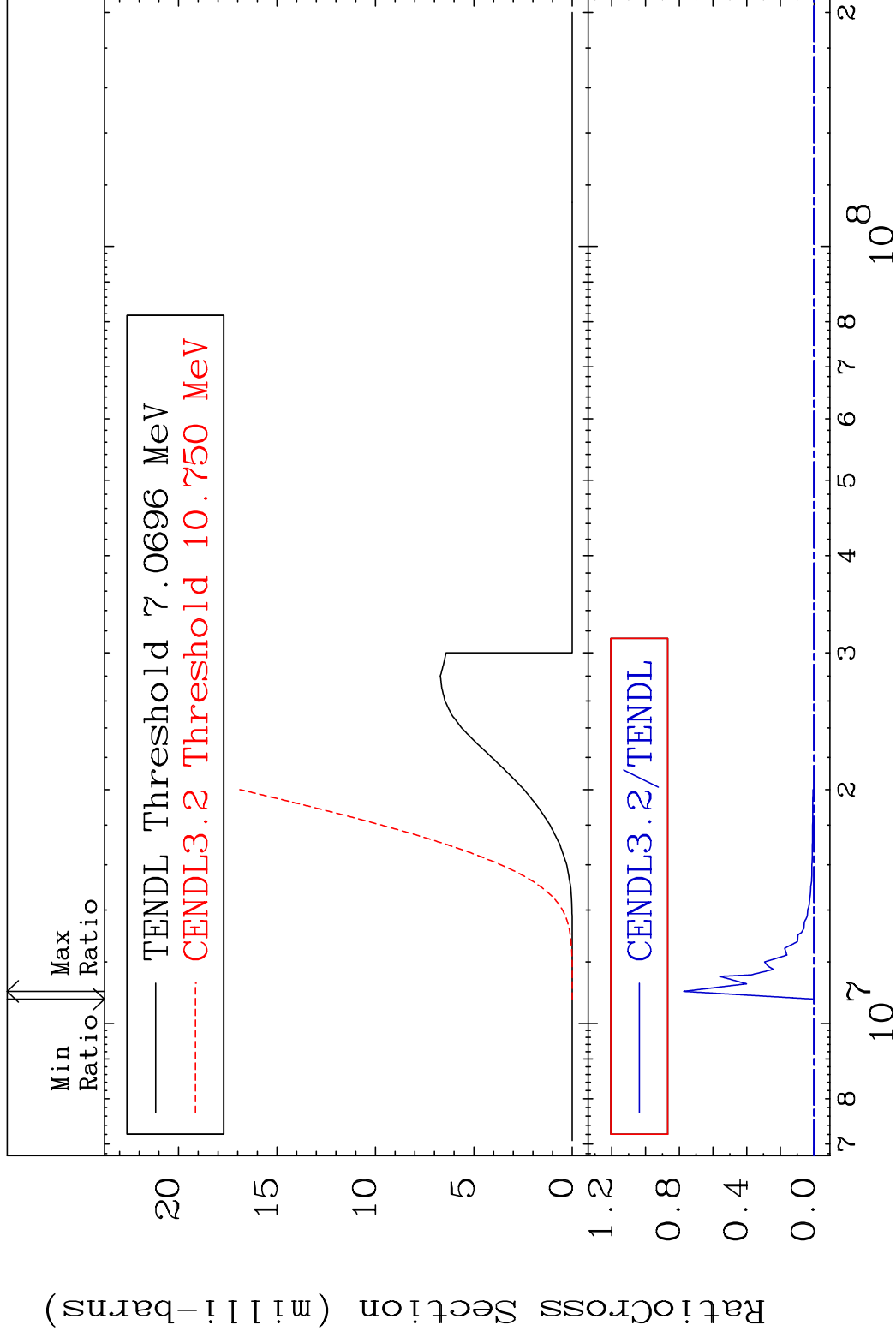
56-Ba-137

MAT 5646

(n, t)

56-Ba-137

Cross Section -100.0 To 9999. %



14

Incident Energy (eV)

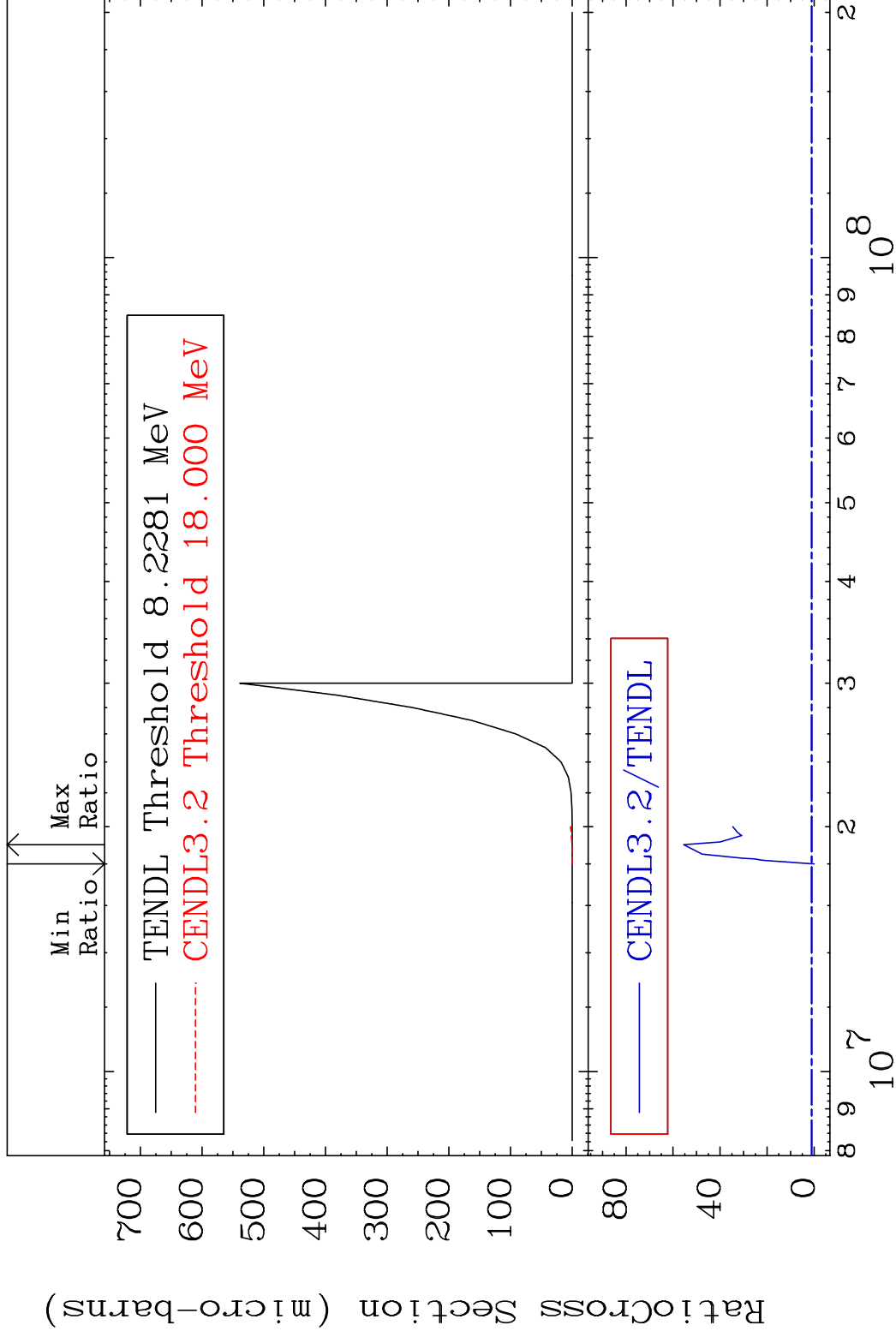
56-Ba-137

MAT 5646

(n, He-3)

56-Ba-137

Cross Section -100.0 To 5449. %



15

Incident Energy (eV)

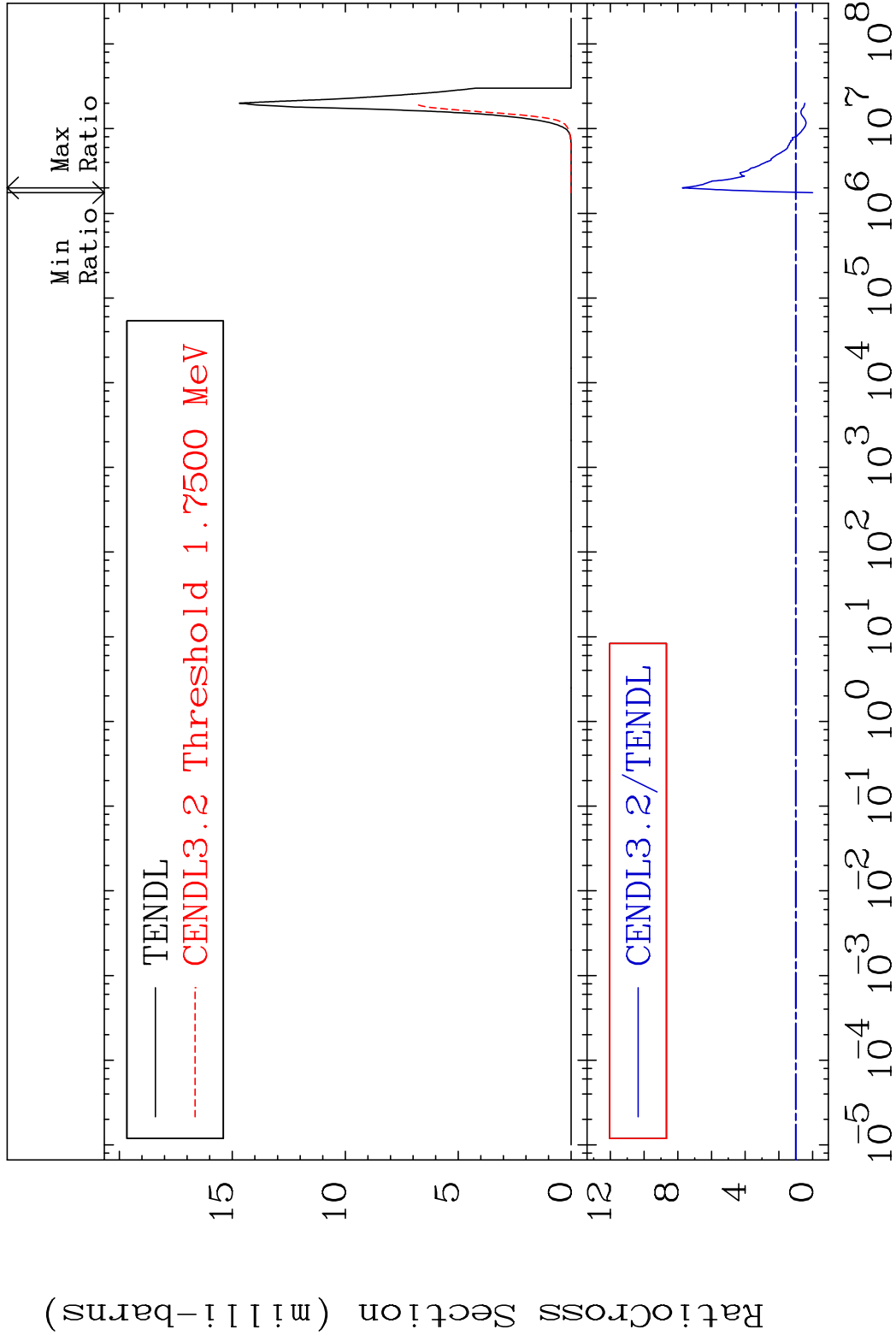
56-Ba-137

MAT 5646

(n, α)

56-Ba-137

Cross Section -100.0 To 673.0 %



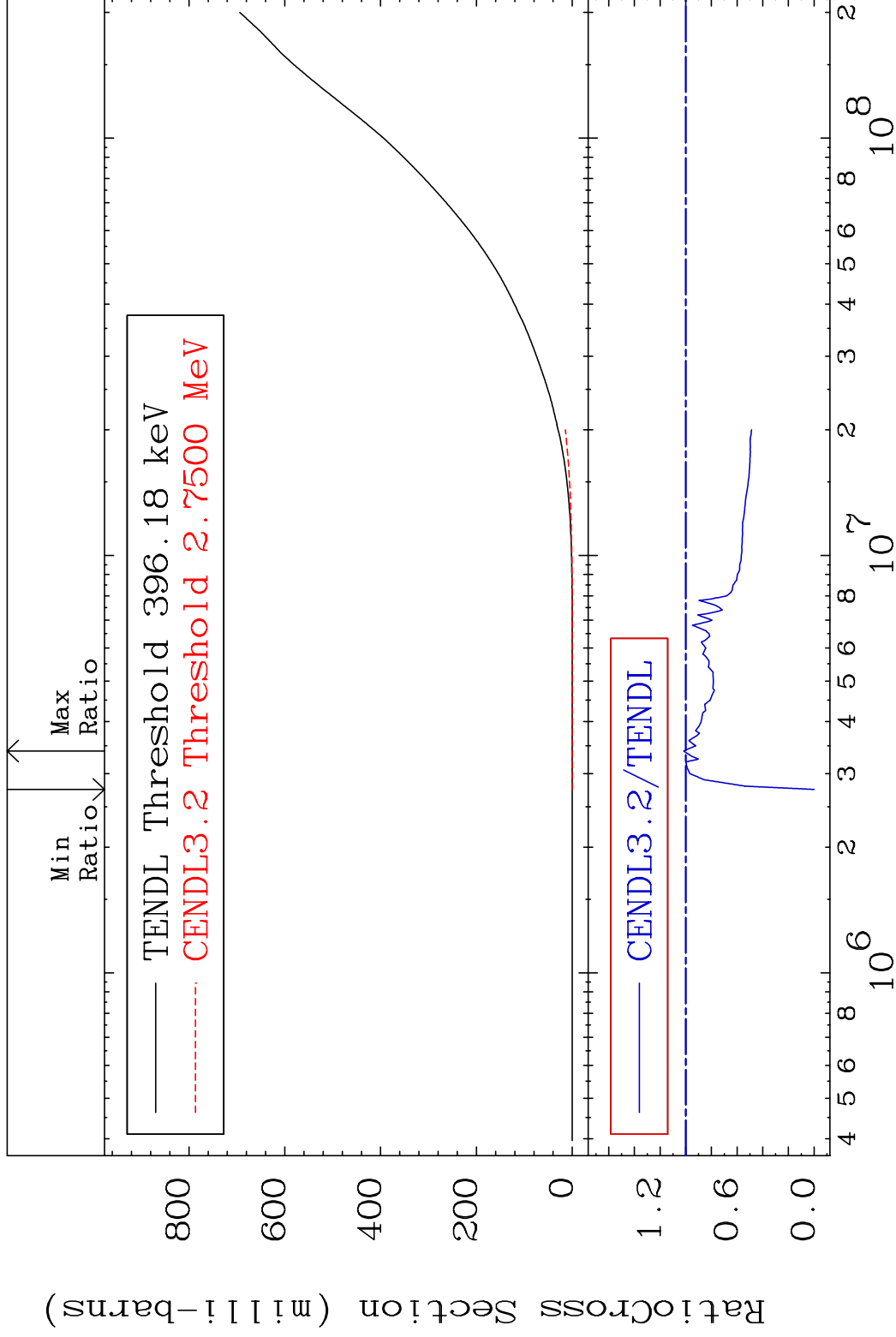
16

Incident Energy (eV)

56-Ba-137

MAT 5646

Hydrogen Production 56-Ba-137
Cross Section -100.0 To 1.644 %



17

Incident Energy (eV)

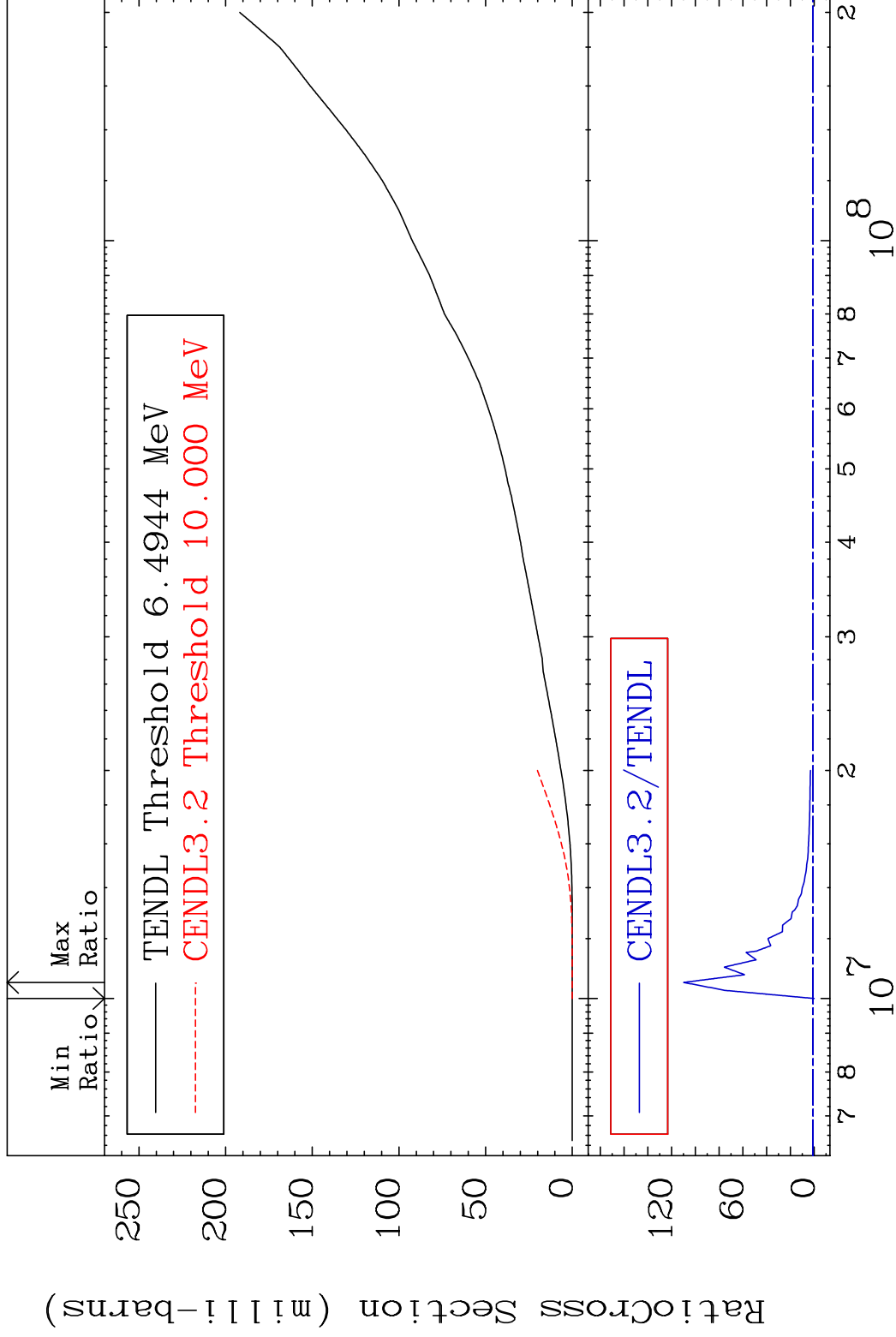
56-Ba-137

MAT 5646

Deuterium Production

56-Ba-137

Cross Section -100.0 To 9999. %



18

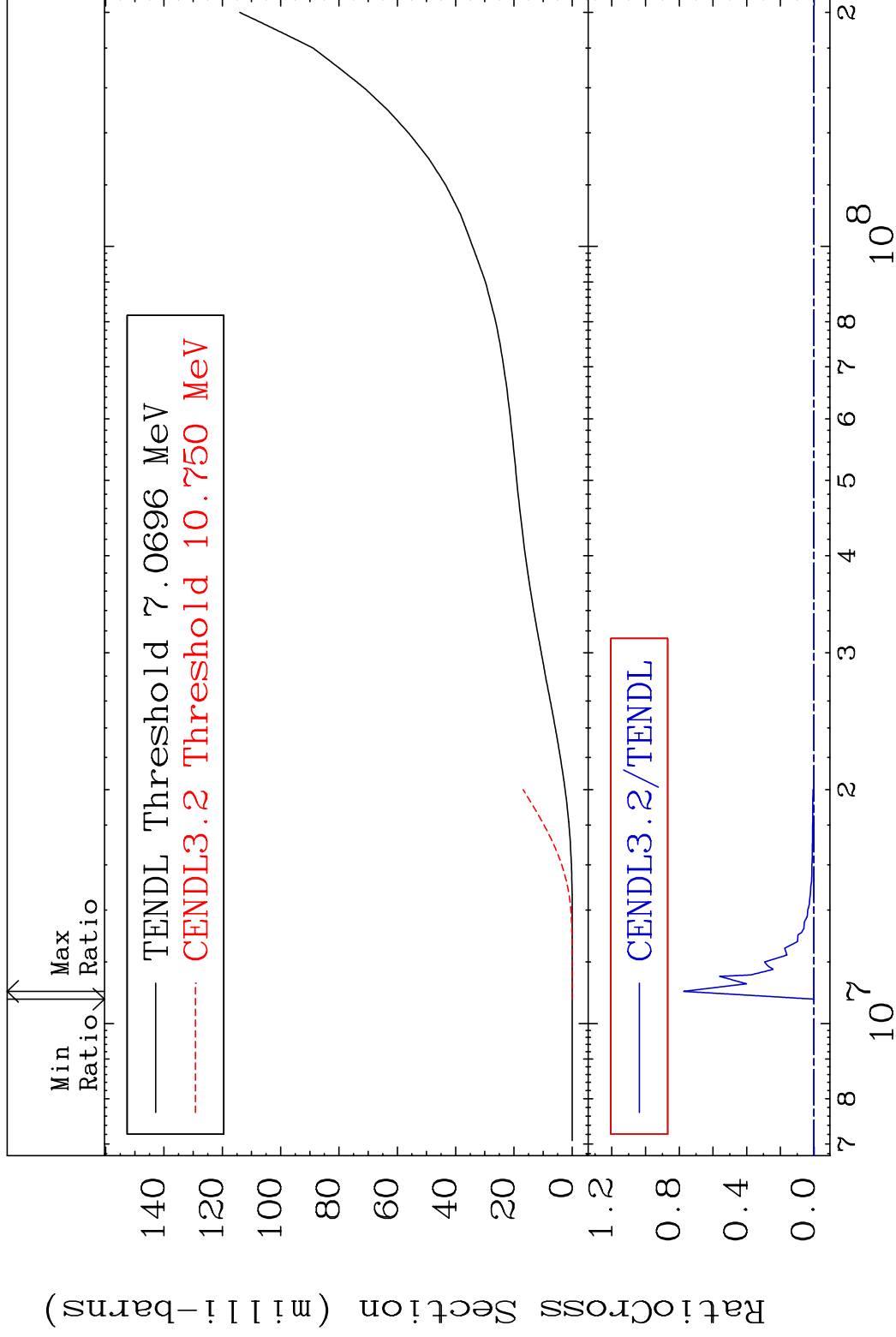
Incident Energy (eV)

56-Ba-137

MAT 5646

Tritium Production 56-Ba-137

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

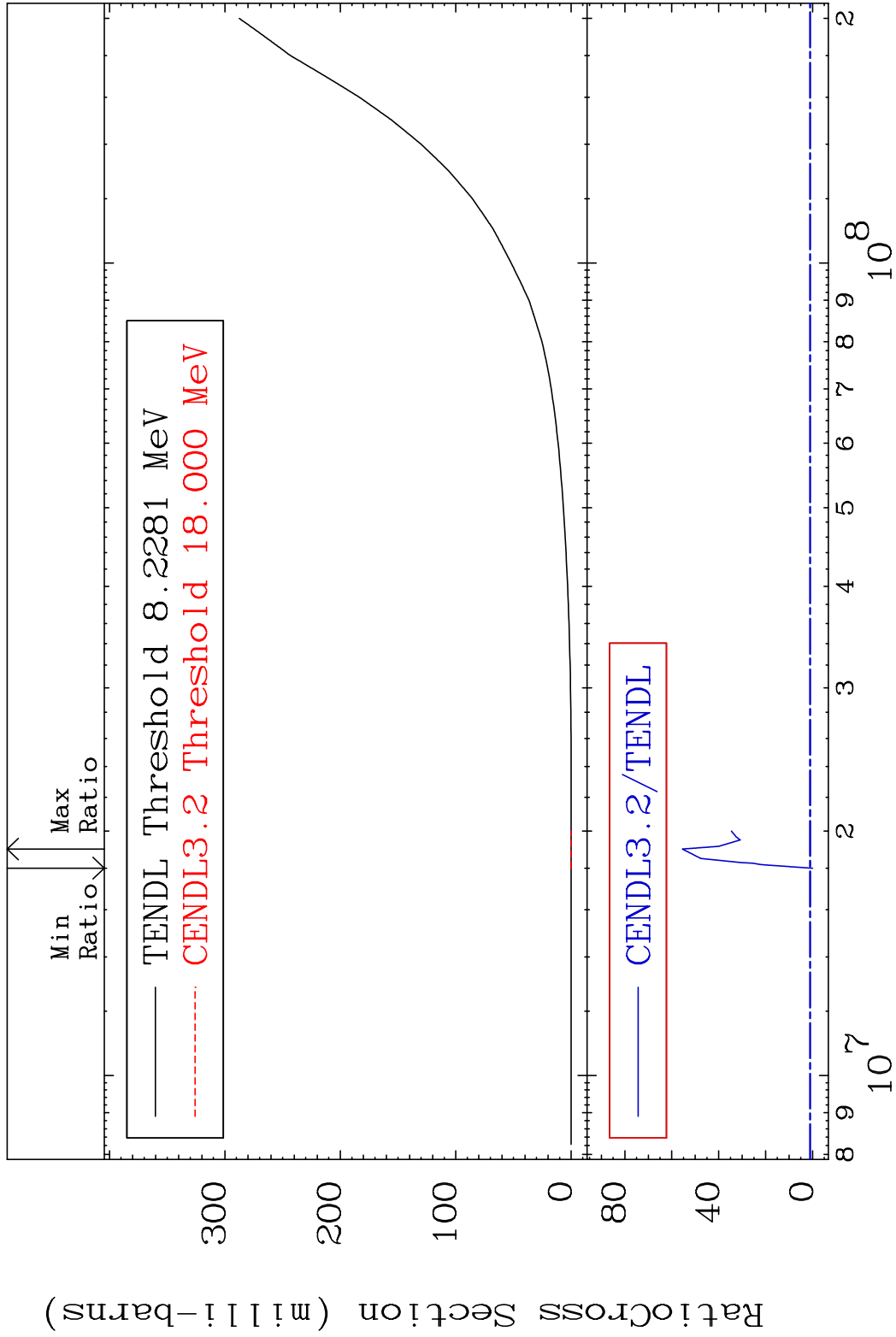
56-Ba-137

MAT 5646

He-3 Production

56-Ba-137

Cross Section -100.0 To 5449. %



20

Incident Energy (eV)

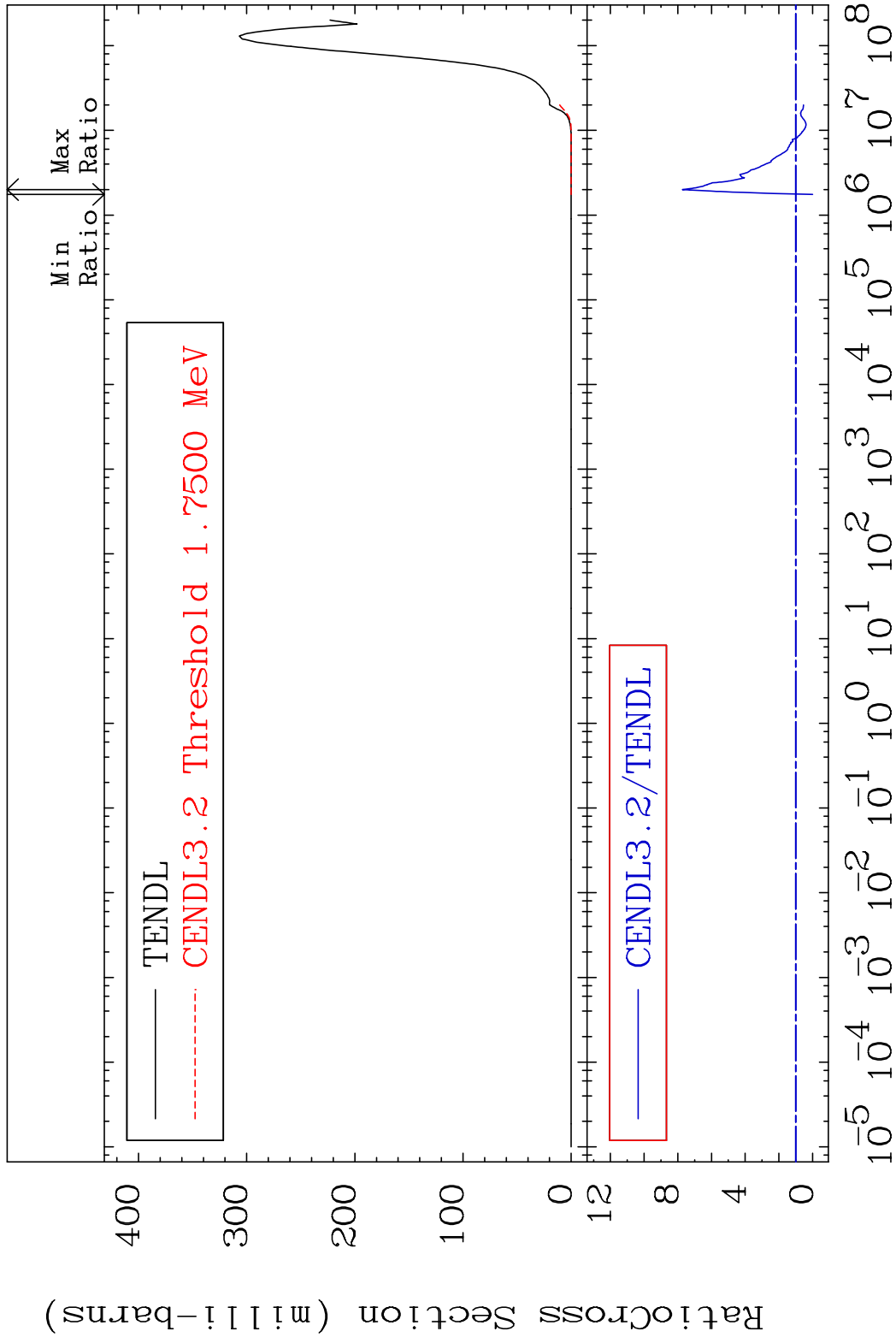
56-Ba-137

MAT 5646

He-4 Production

56-Ba-137

Cross Section -100.0 To 673.0 %

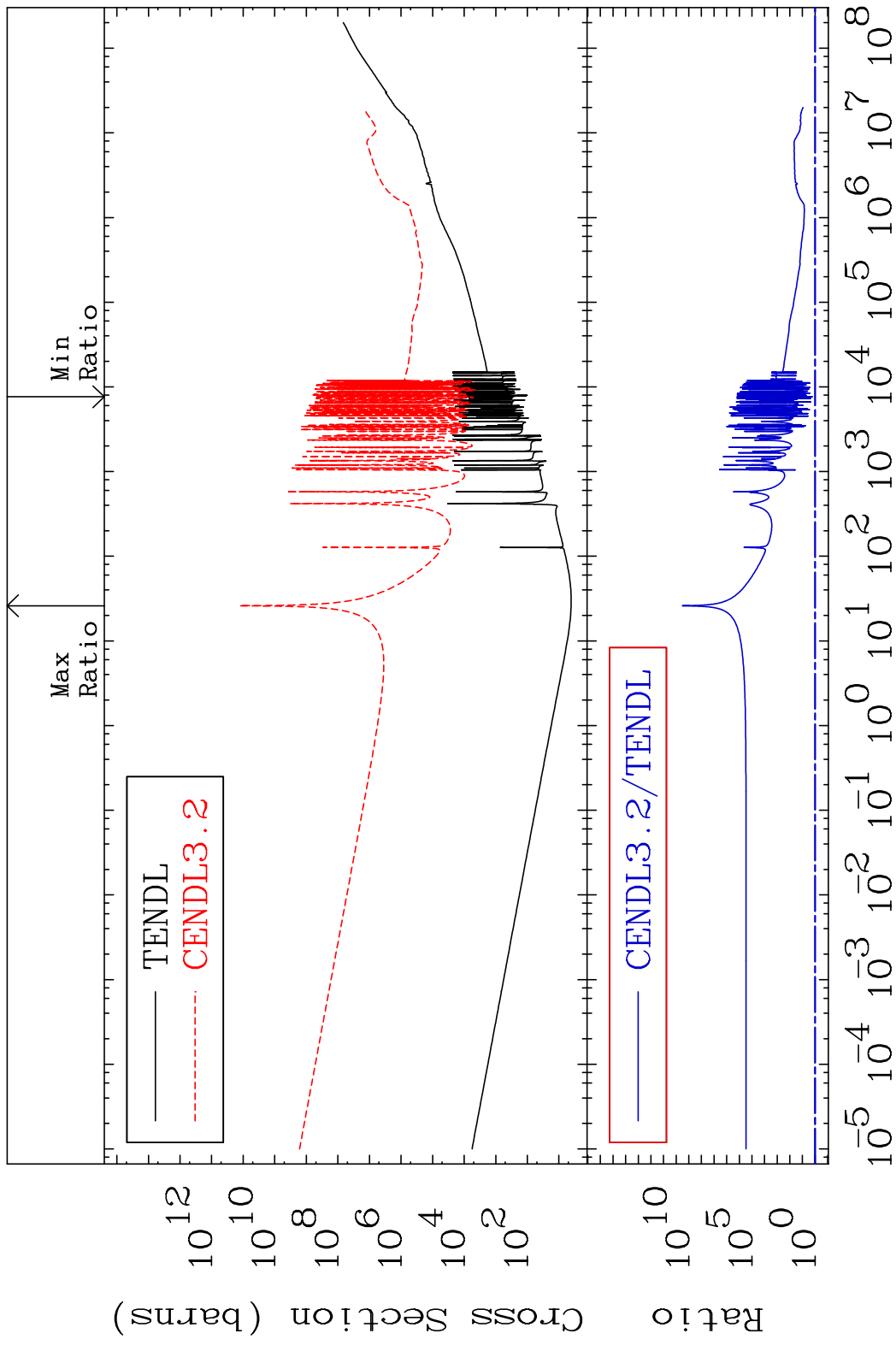


21

Incident Energy (eV)

56-Ba-137

MAT 5646 Kerma total (eV-barns) 56-Ba-137
 Cross Section 57.61 To 9999. %



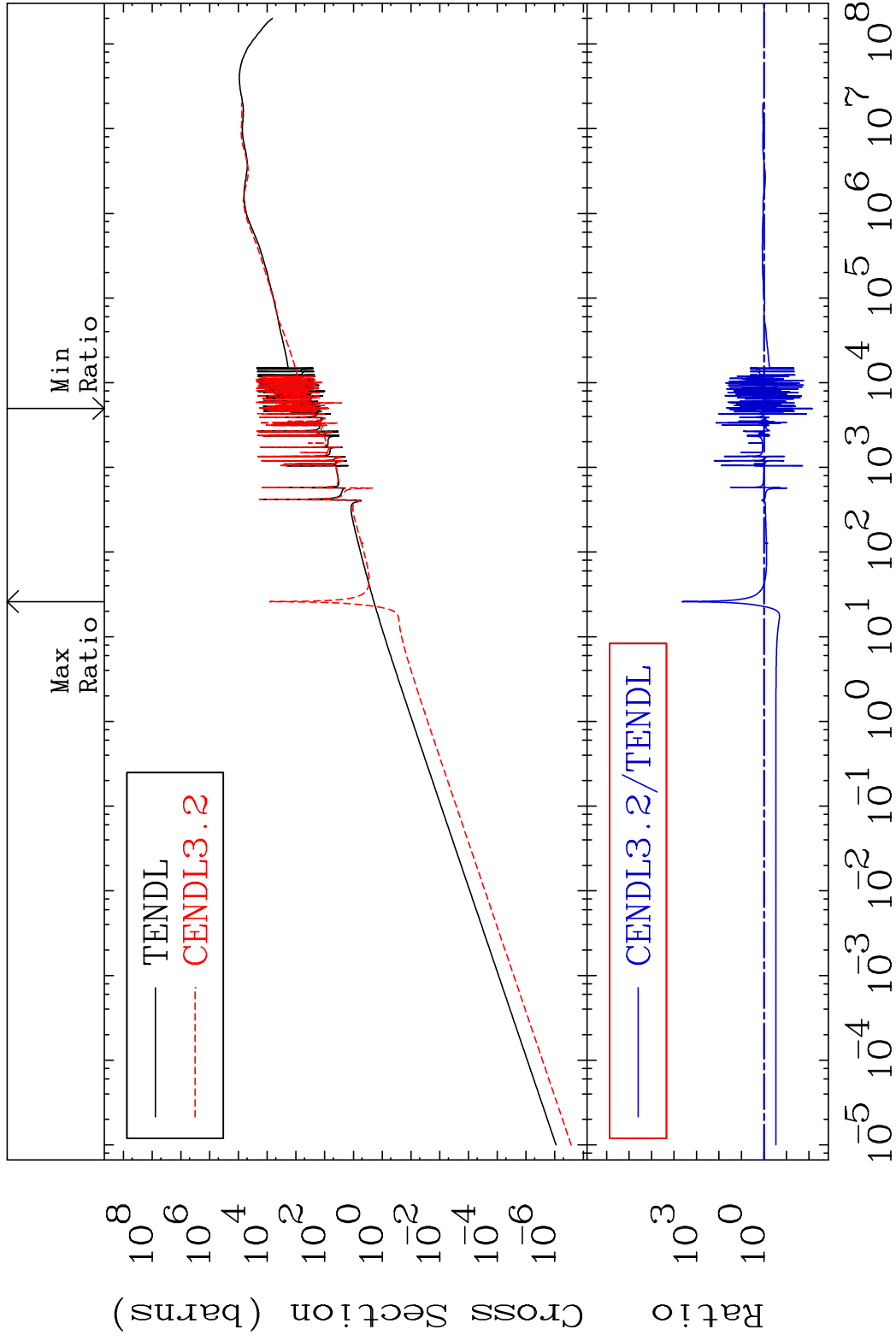
22 Incident Energy (eV) 56-Ba-137

MAT 5646

Kerma elastic

56-Ba-137

Cross Section -99.31 To 9999. %

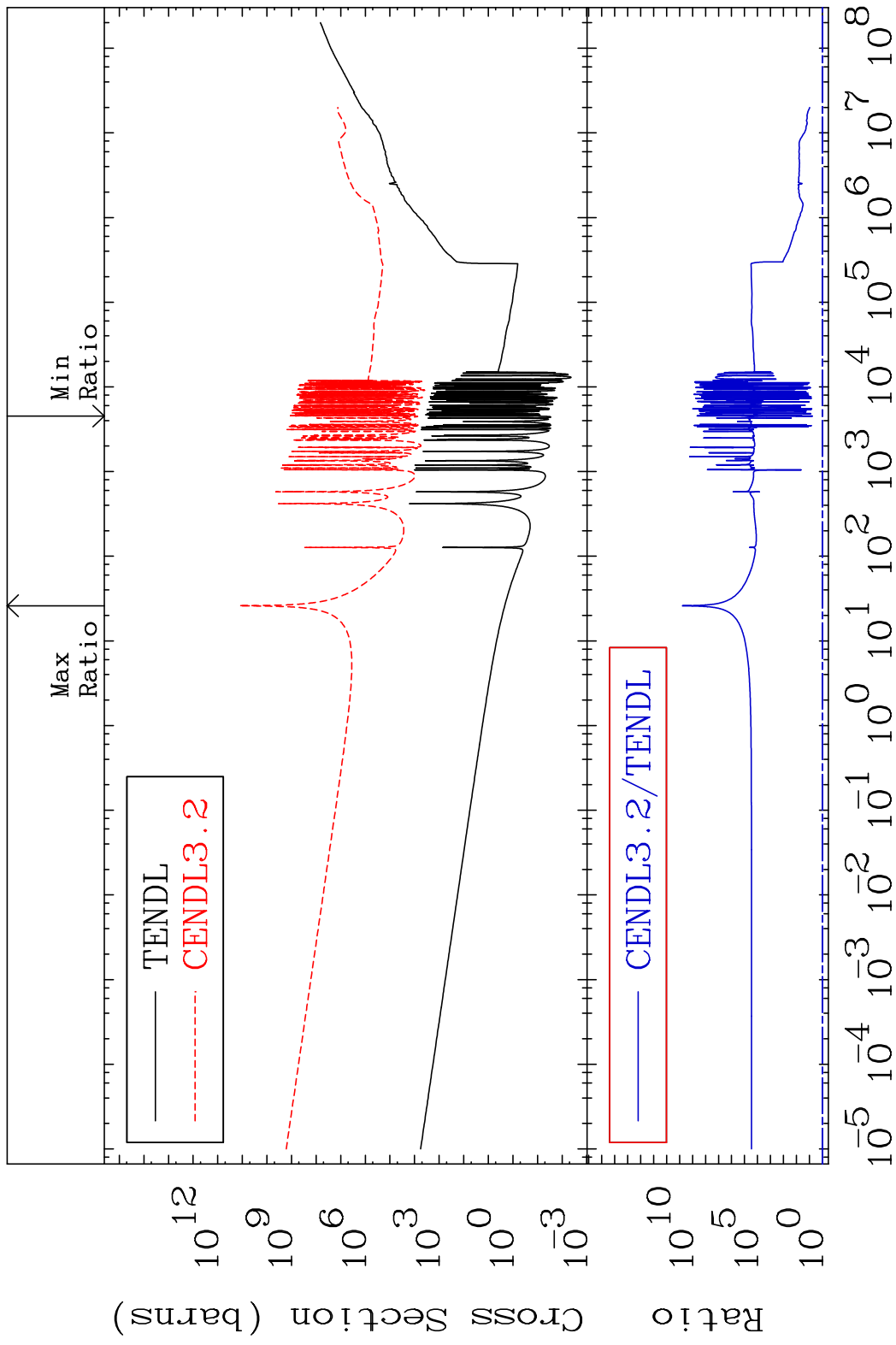


23

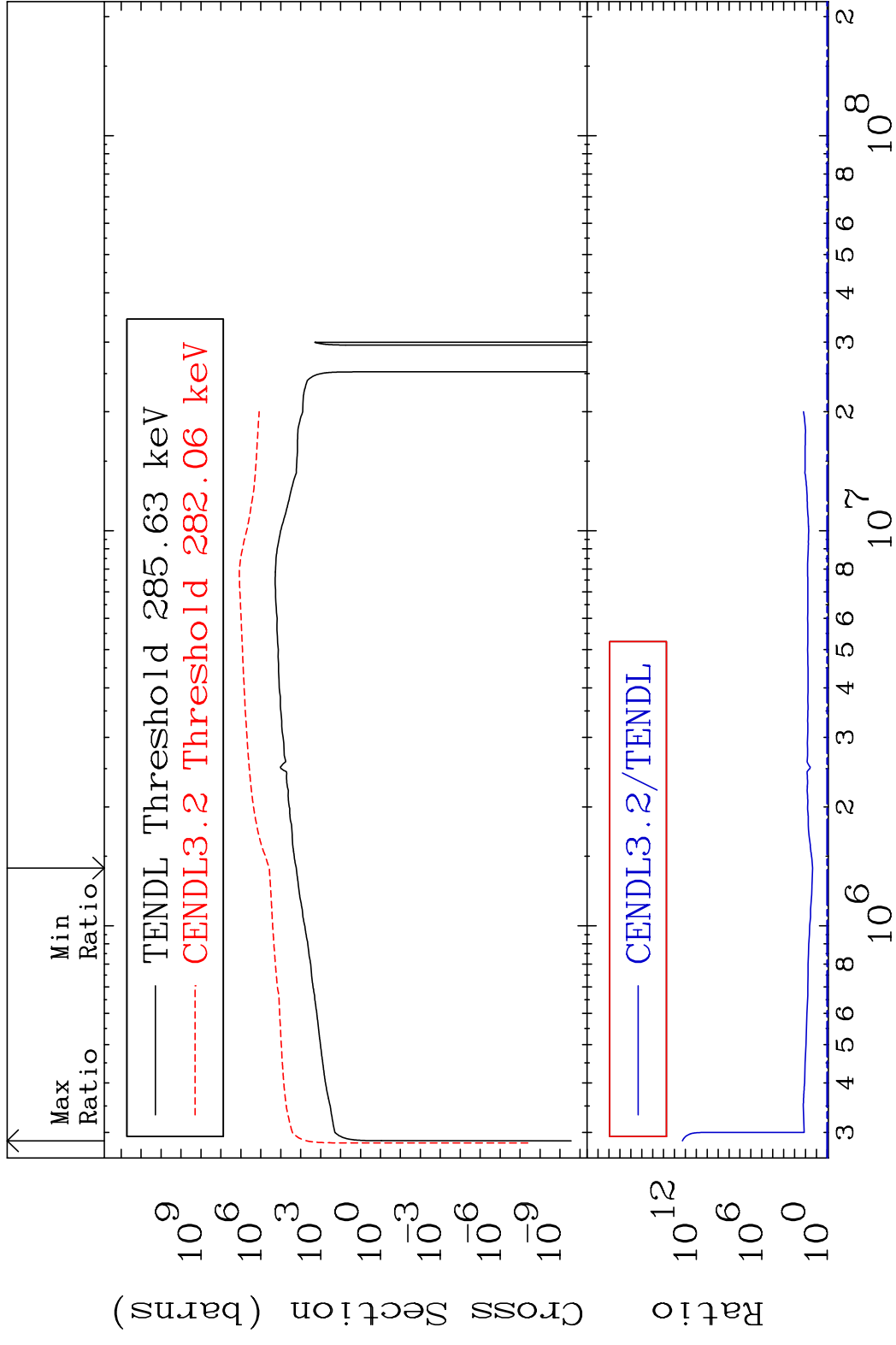
Incident Energy (eV)

56-Ba-137

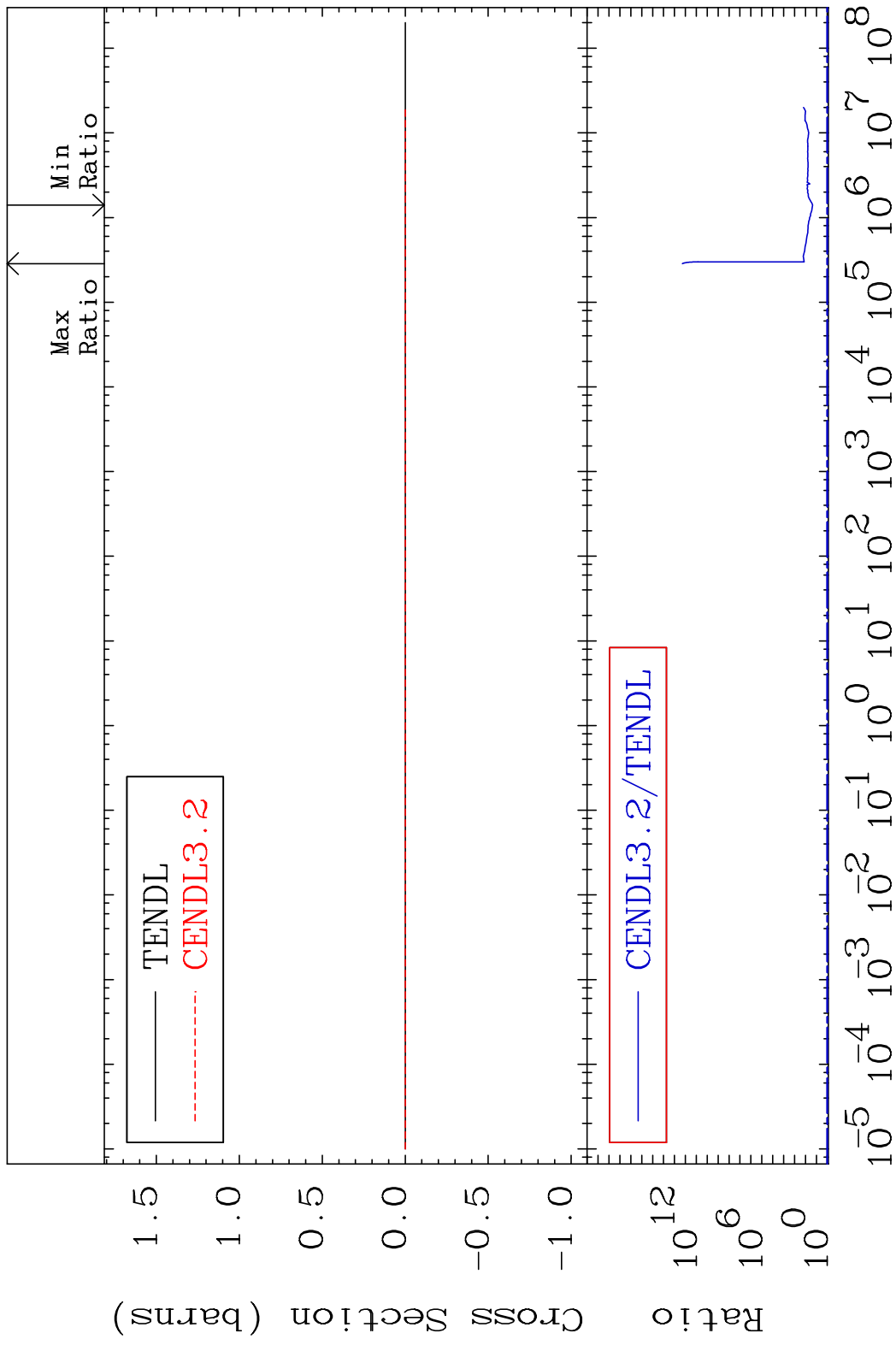
MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137
 Cross Section 469.3 To 9999. %



MAT 5646 Kerma inelastic (mt51-91) 56-Ba-137
 Cross Section 2148. To 9999. %



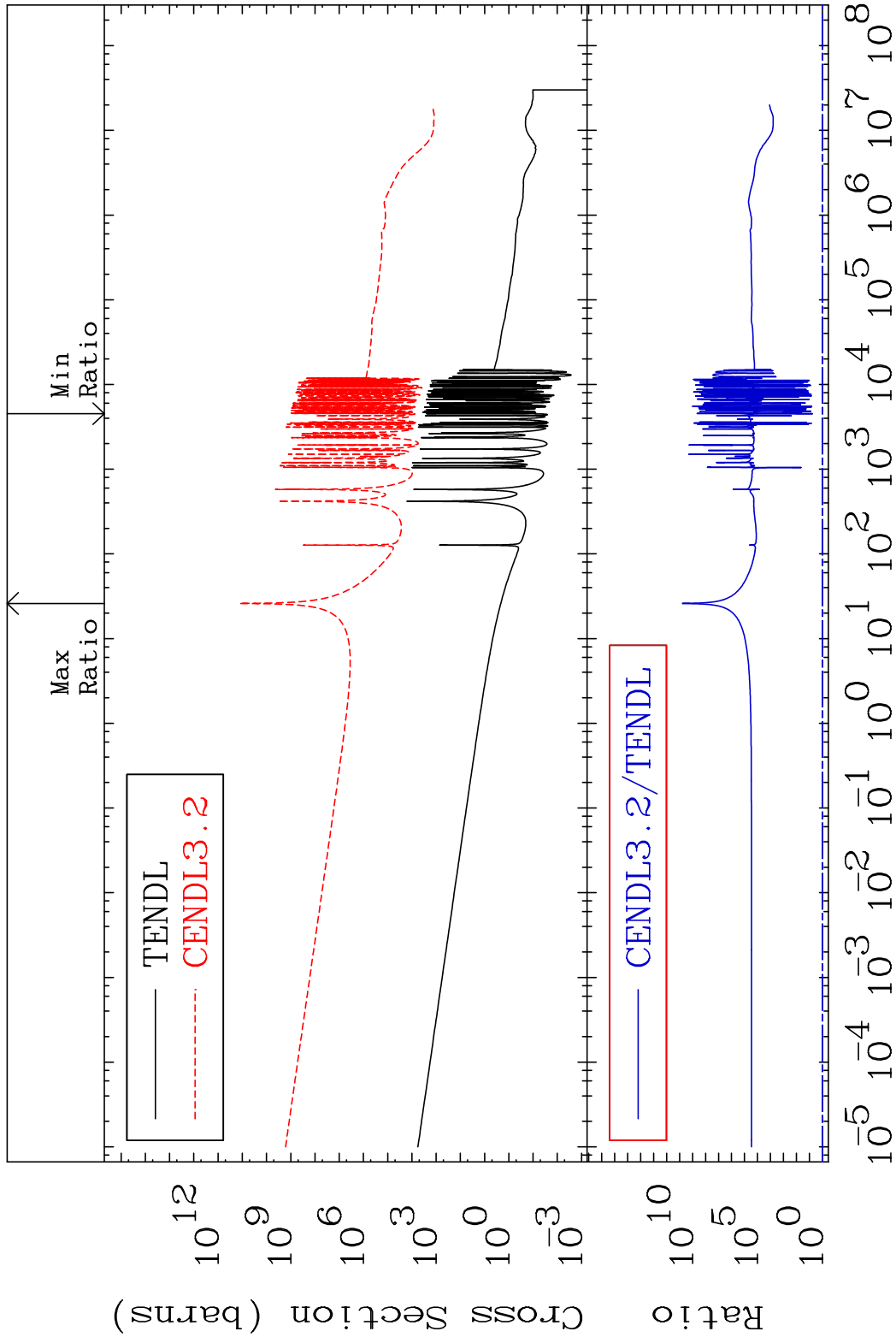
MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137
 Cross Section 2148. To 9999. %



MAT 5646

Kerma capture (mt102) 56-Ba-137

Cross Section 469.3 To 9999. %

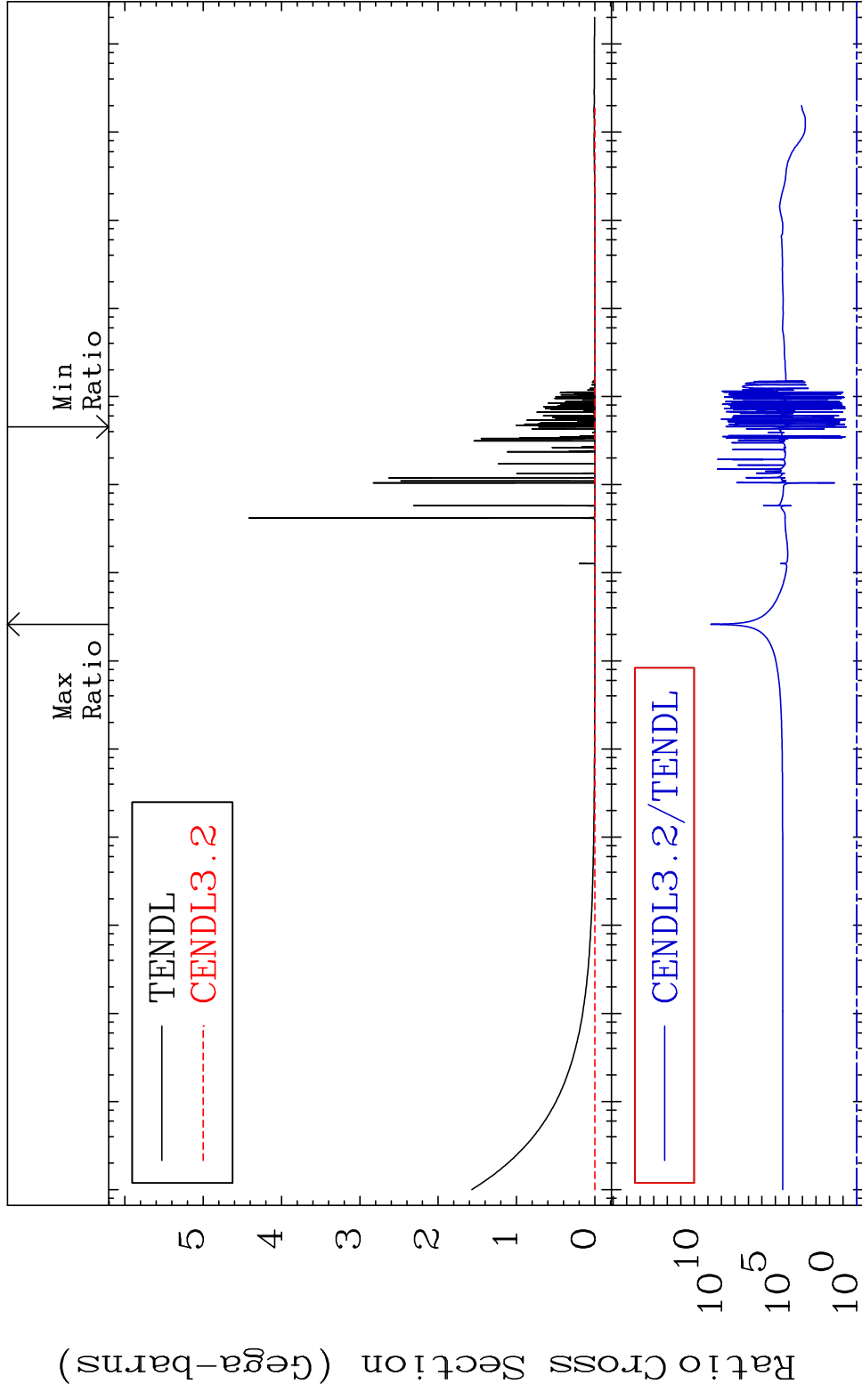


27

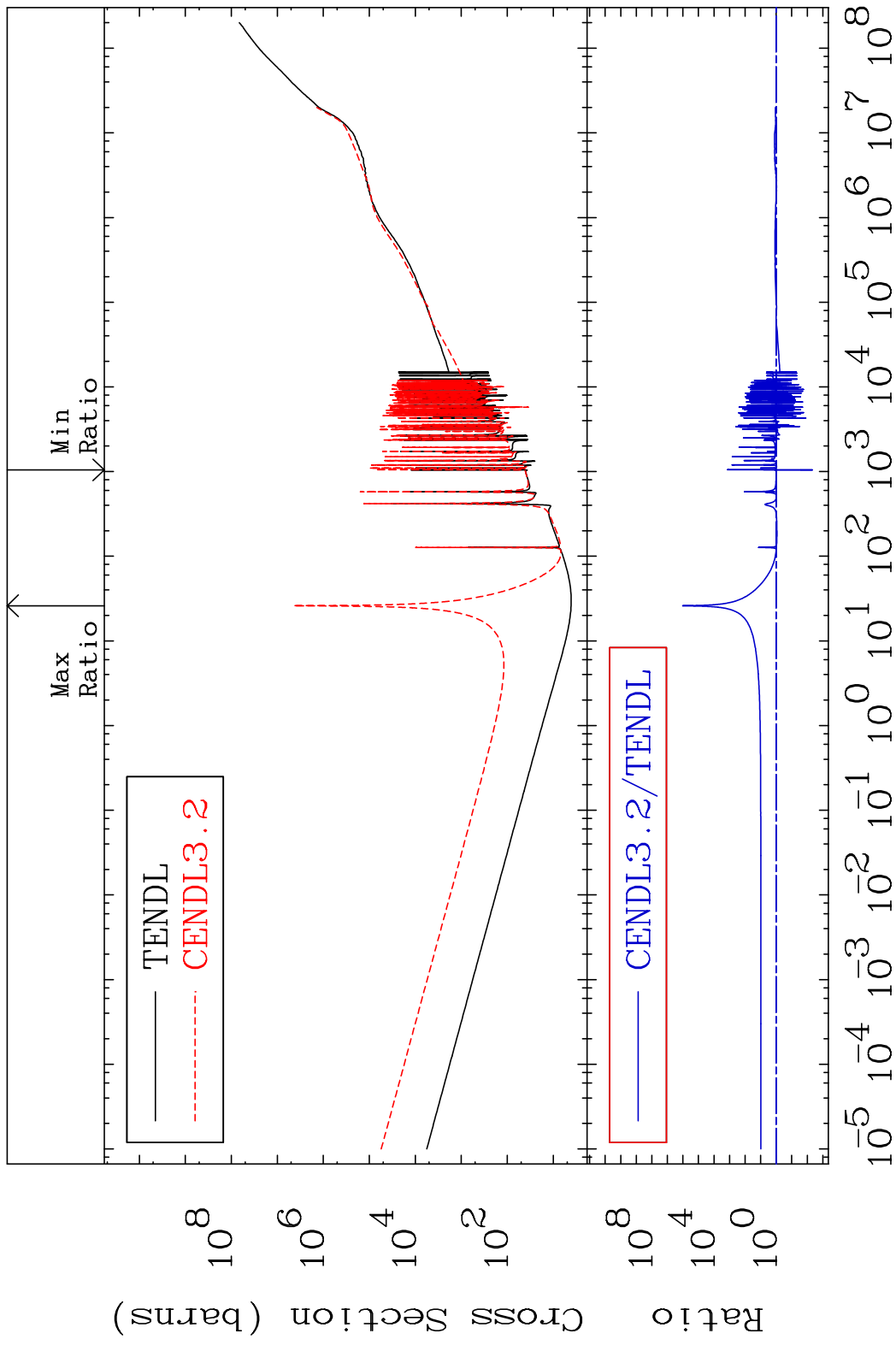
Incident Energy (eV)

56-Ba-137

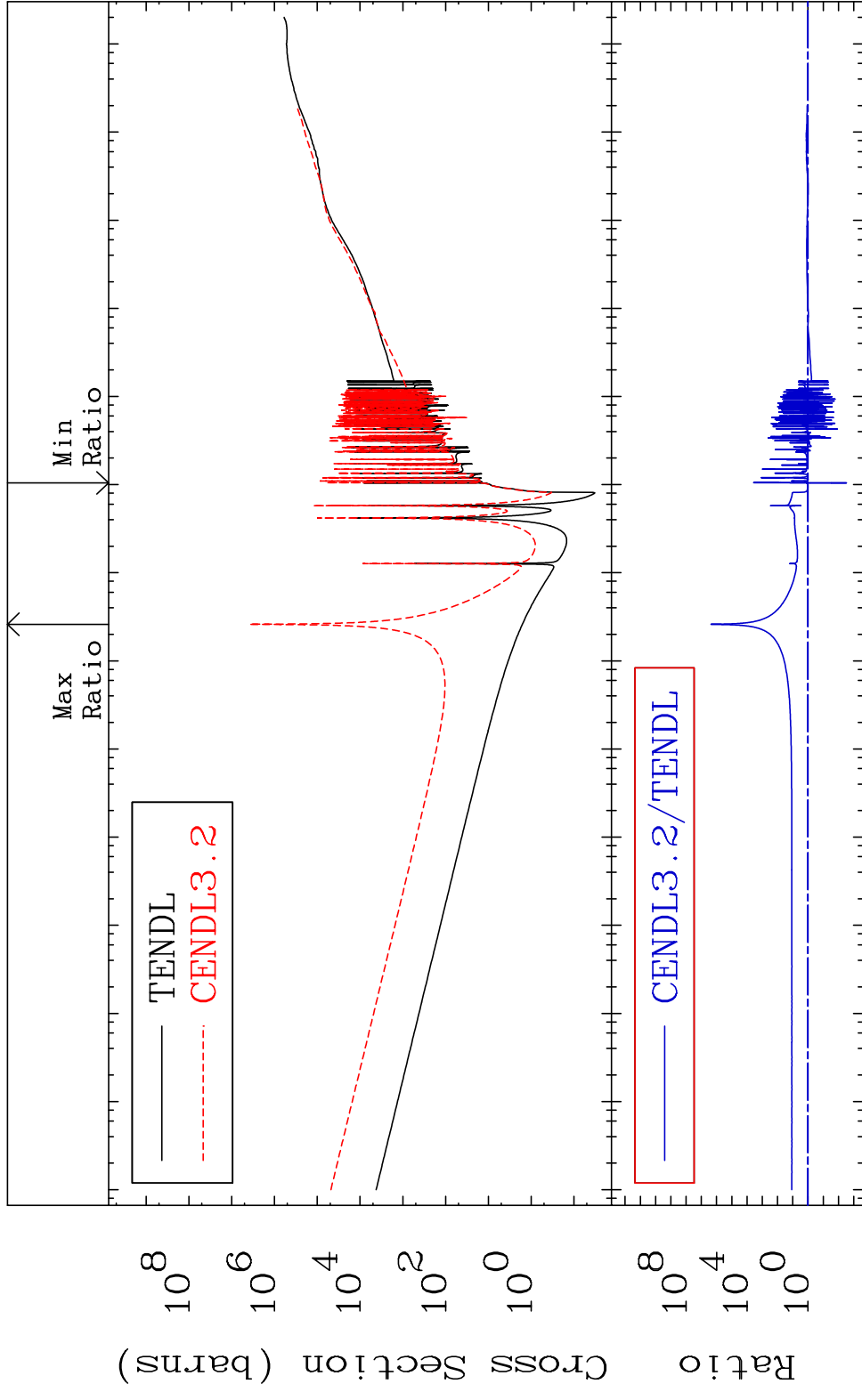
MAT 5646 Total photon (eV-barns) 56-Ba-137
 Cross Section 469.3 To 9999. %



MAT 5646 Total kinematic kerma (high limit) 56-Ba-137
 Cross Section -99.54 To 9999. %



MAT 5646 Dpa total (eV-barns) 56-Ba-137
 Cross Section -99.69 To 9999. %

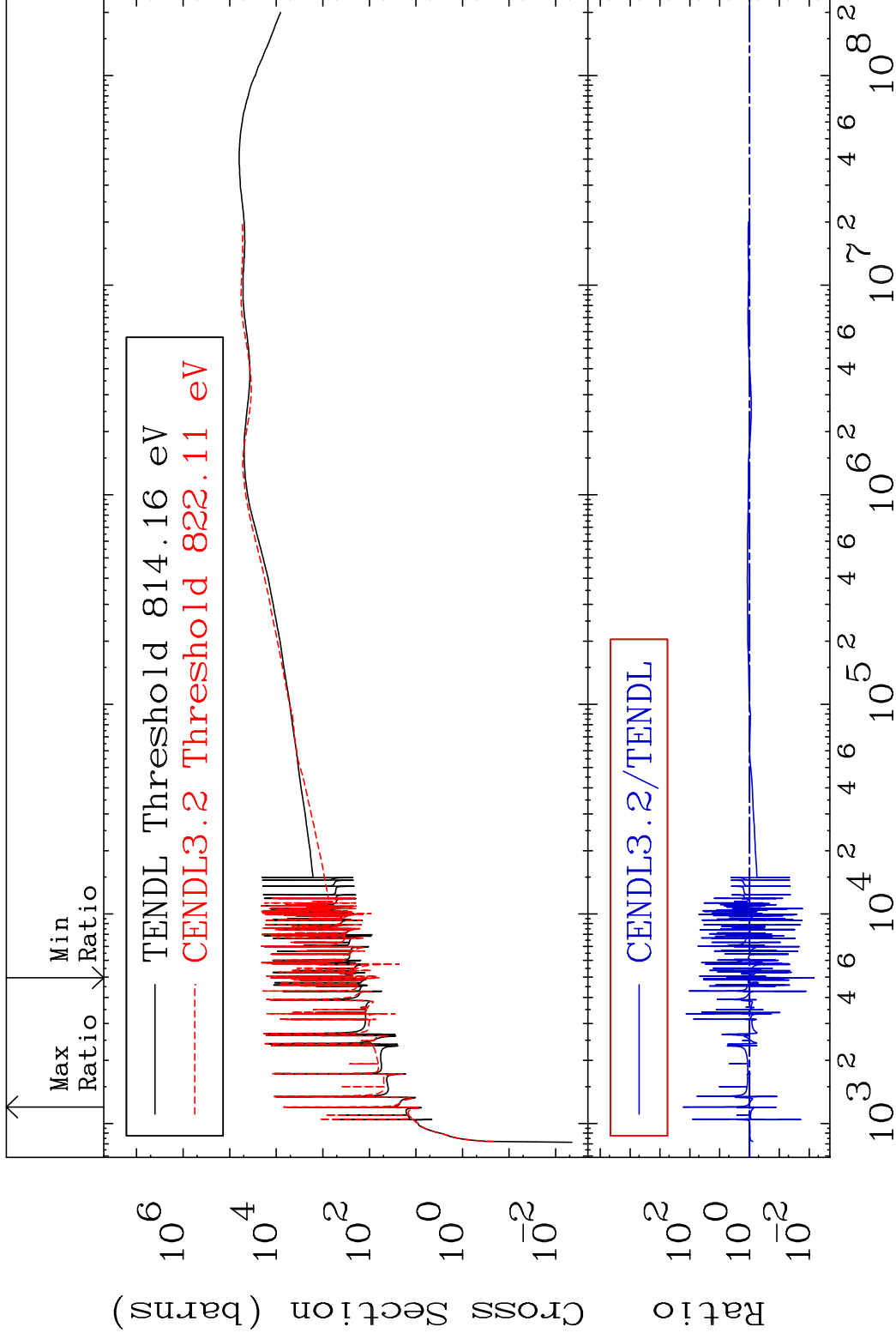


MAT 5646

Dpa elastic (mt2)

56-Ba-137

Cross Section -99.31 To 9999. %

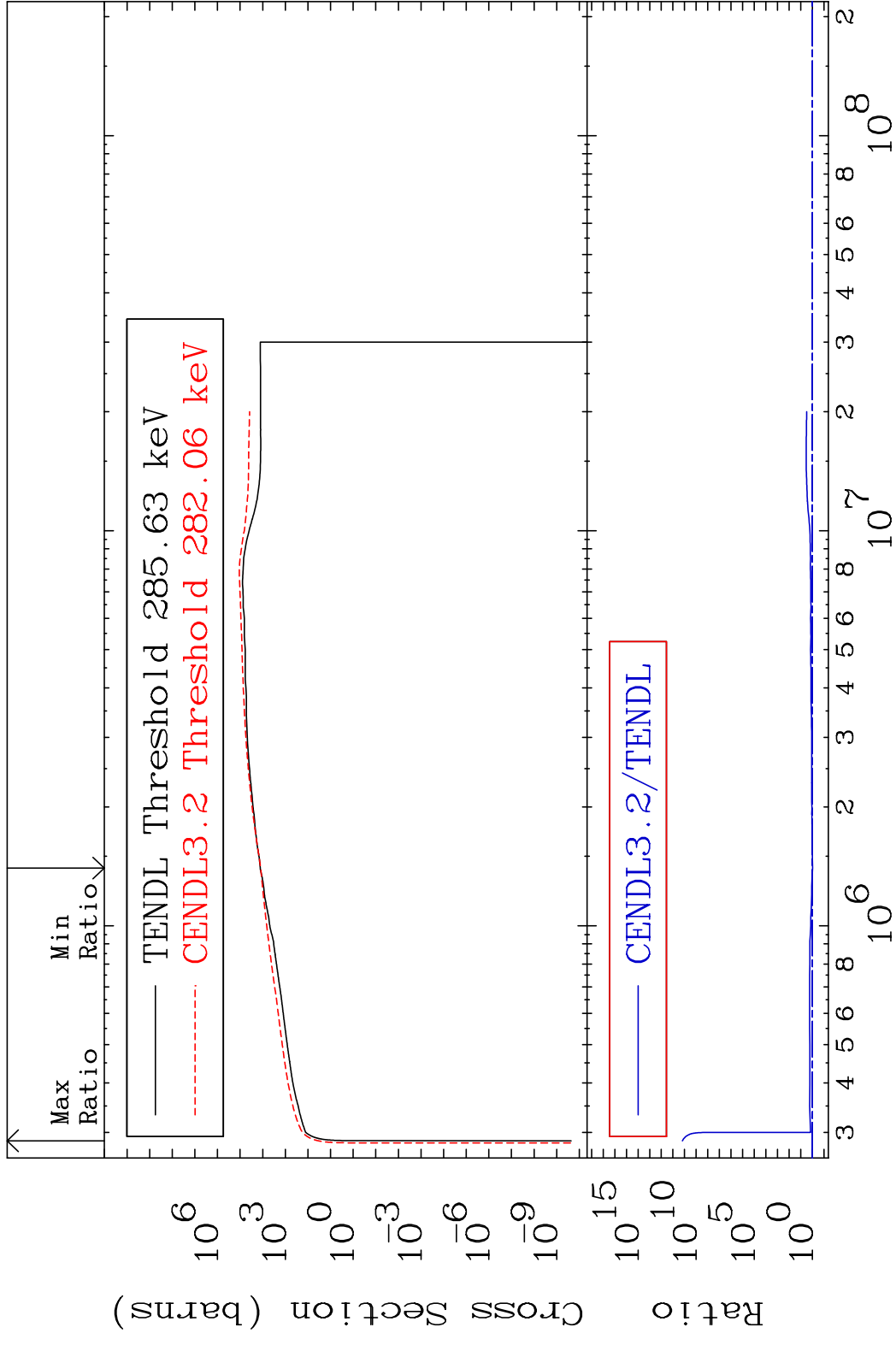


31

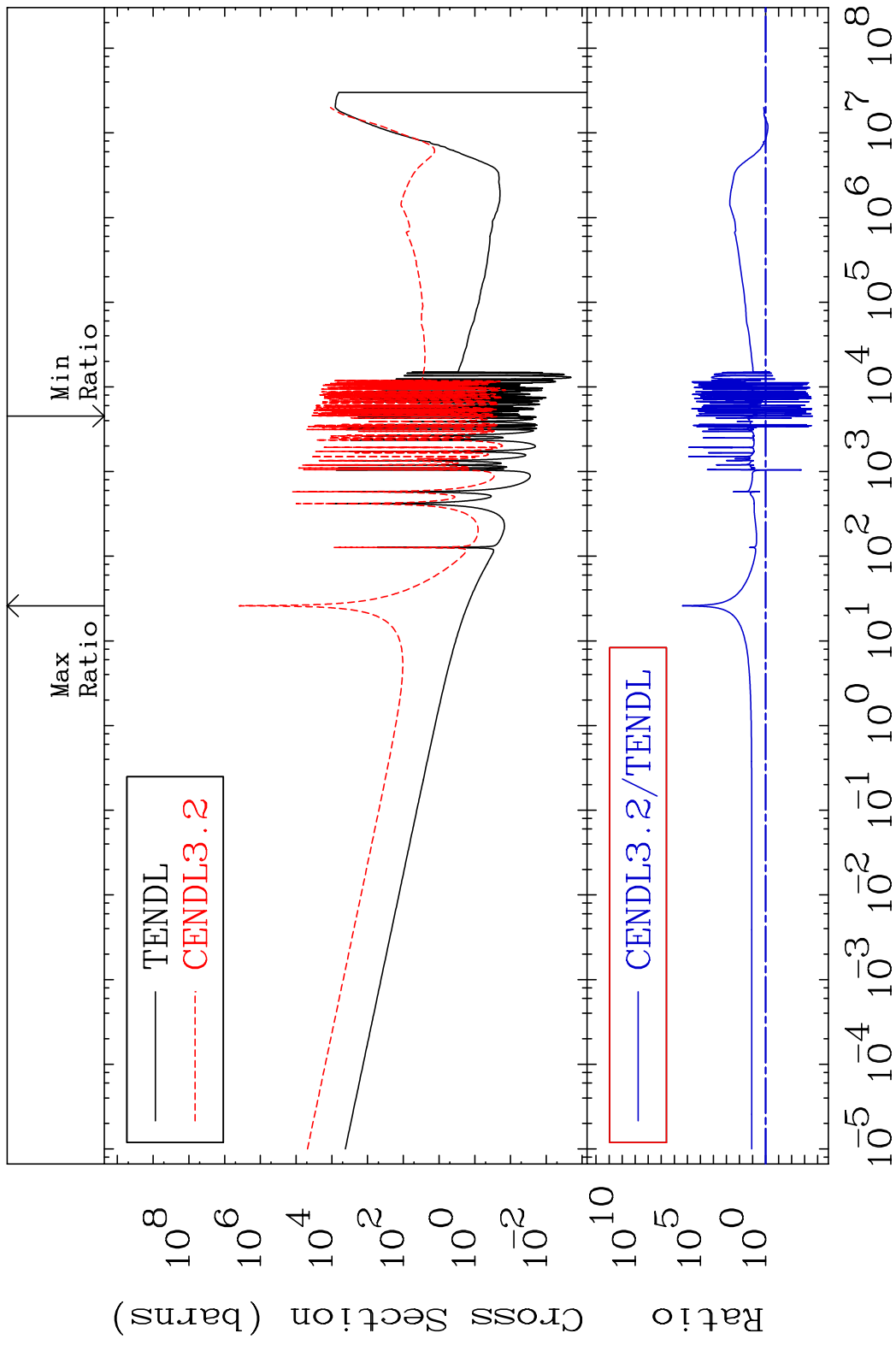
Incident Energy (eV)

56-Ba-137

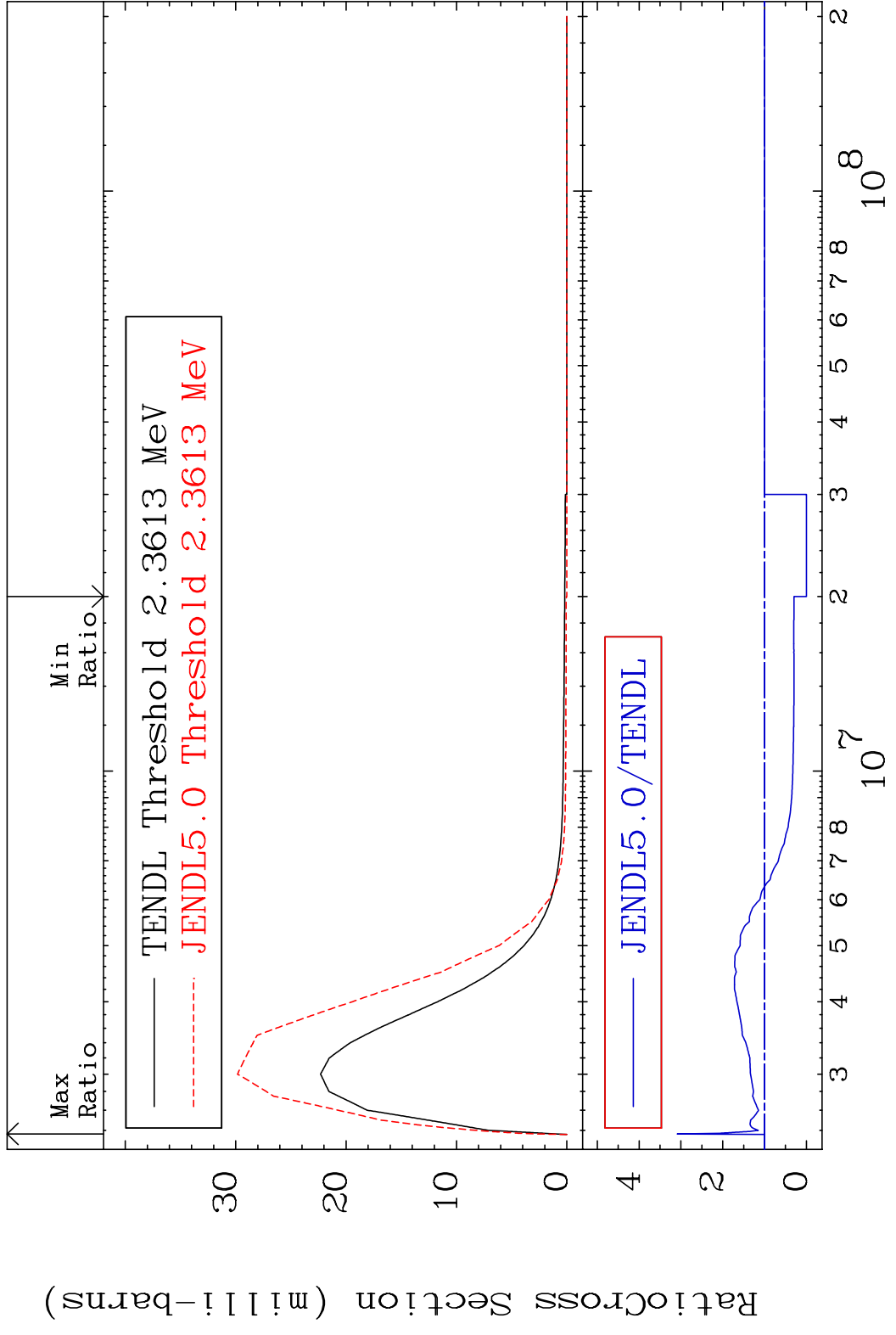
MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137
 Cross Section -4.621 To 9999. %



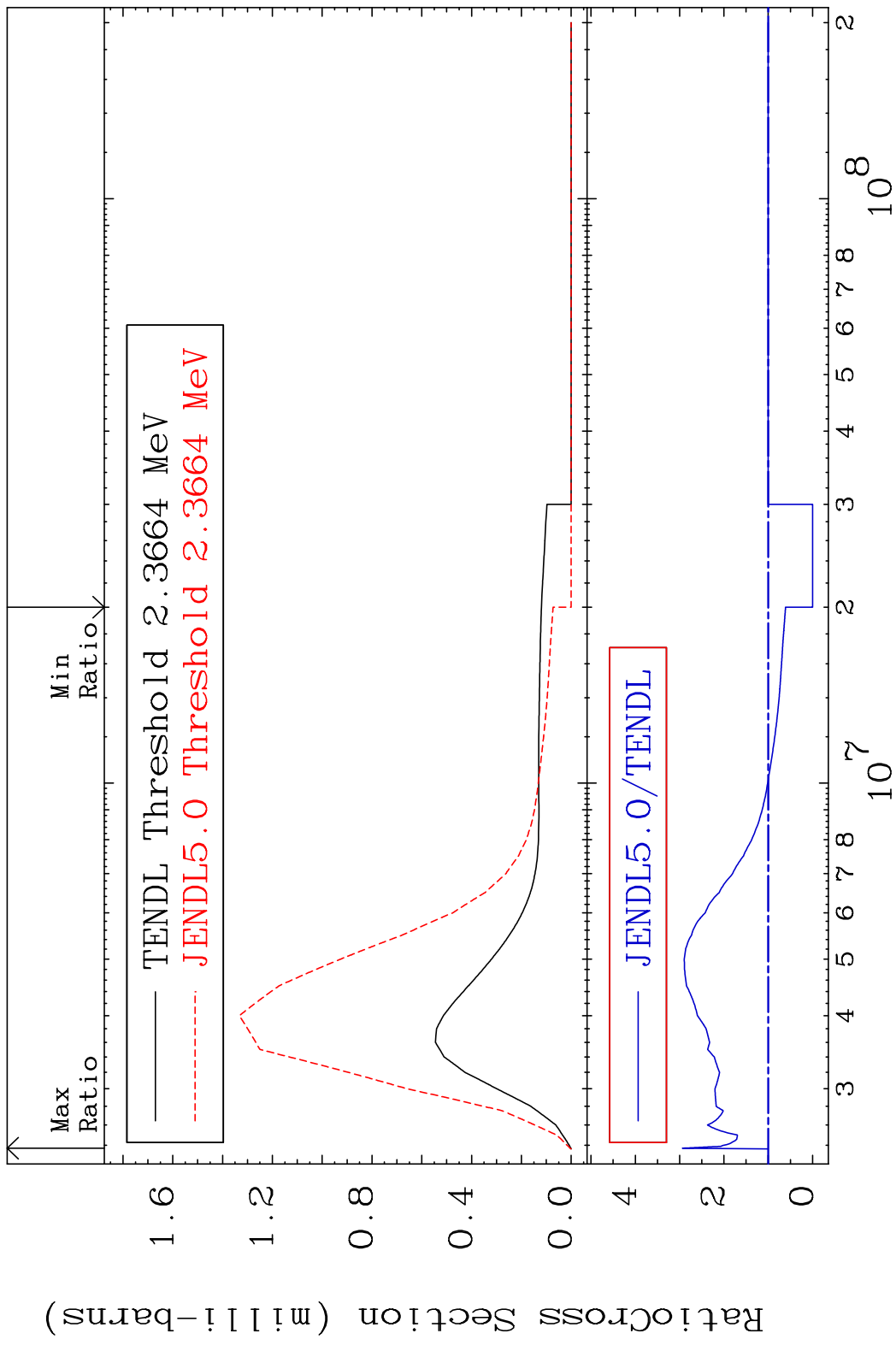
MAT 5646 Dpa disappearance (mt102 -120) 56-Ba-137
 Cross Section -99.98 To 9999. %



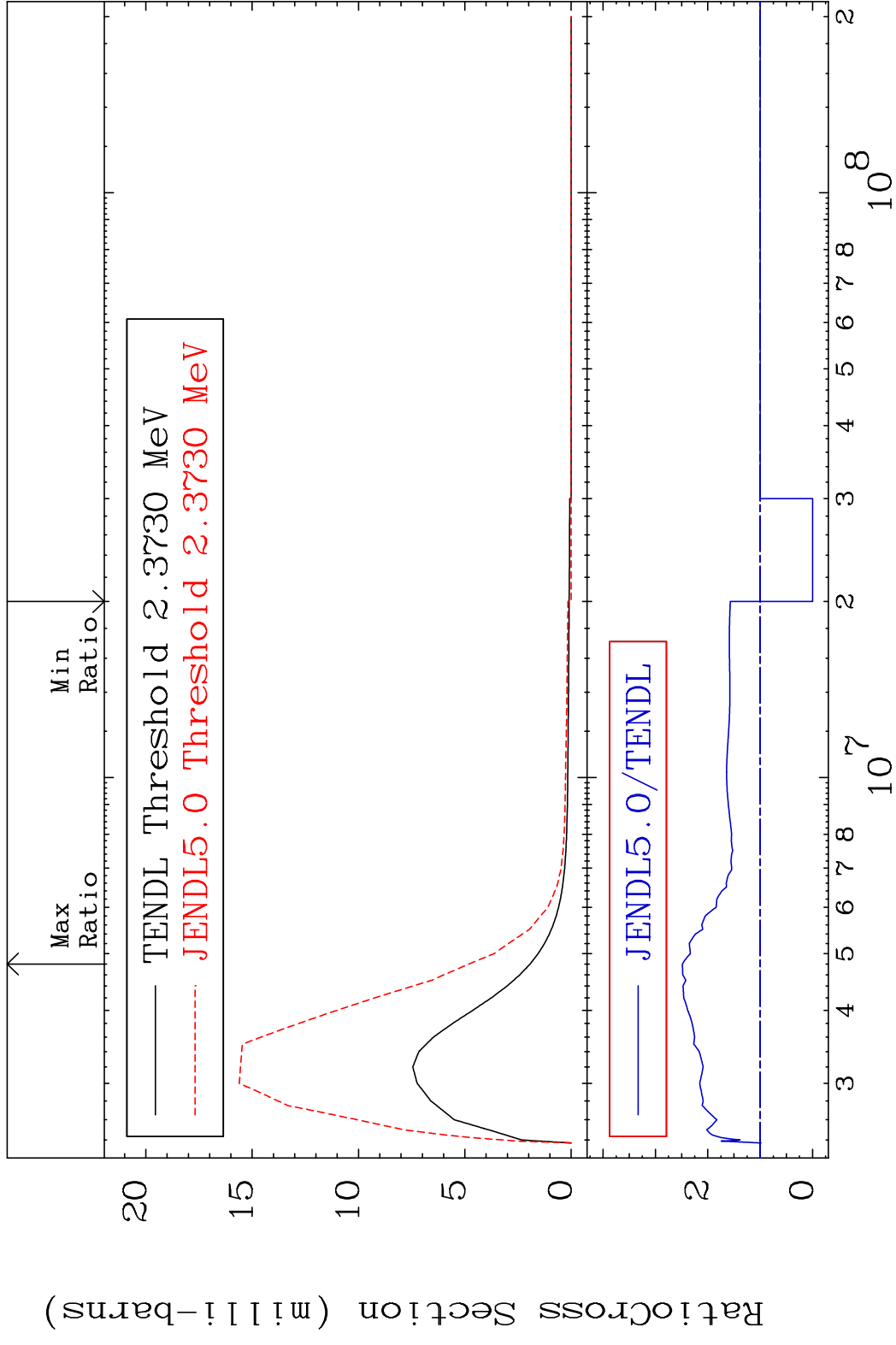
MAT 5646 MT= 74 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 208.9 %



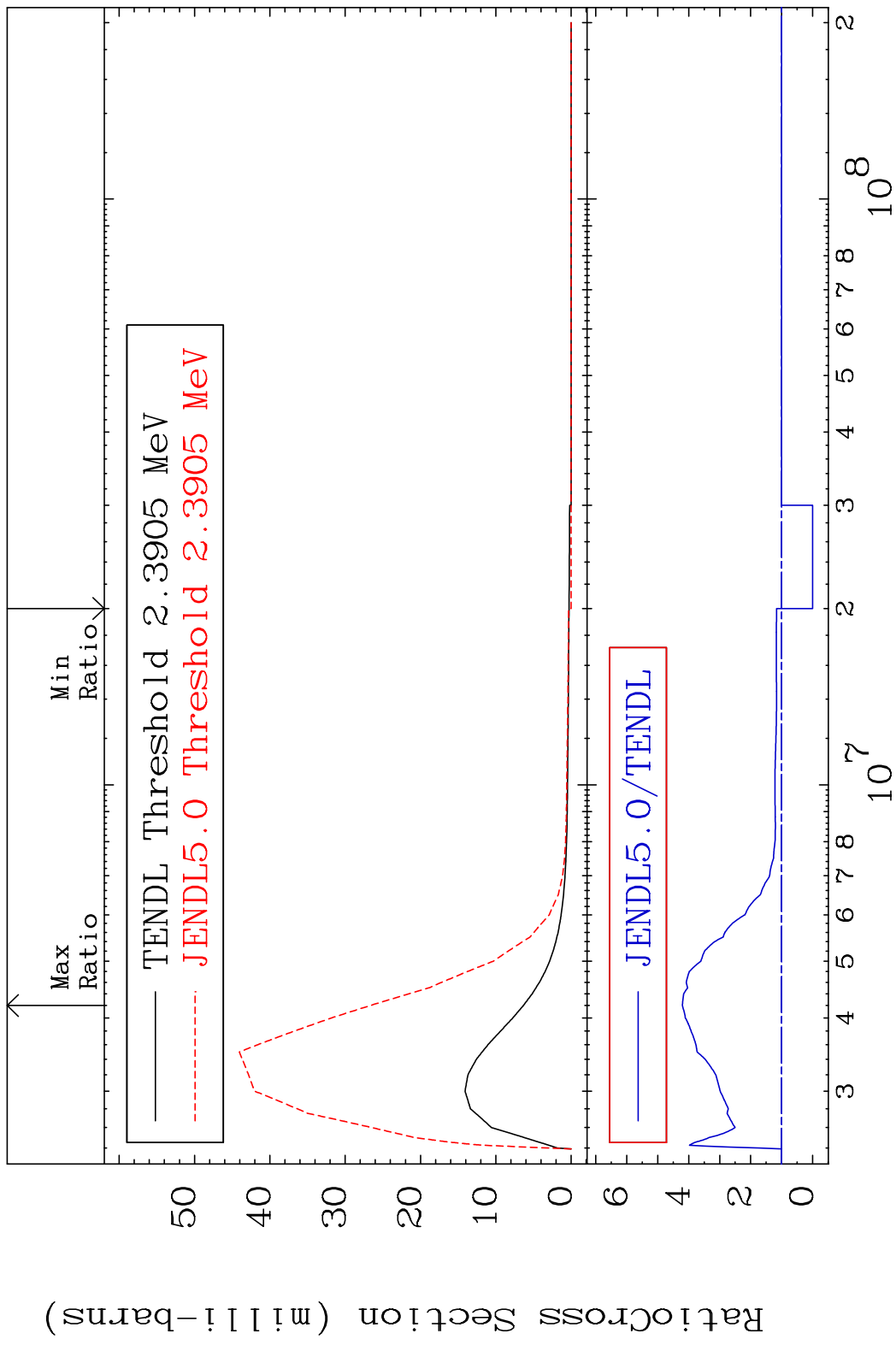
MAT 5646 MT= 75 (n,n') Level 56-Ba-137
 Cross Section -100.0 To 193.8 %



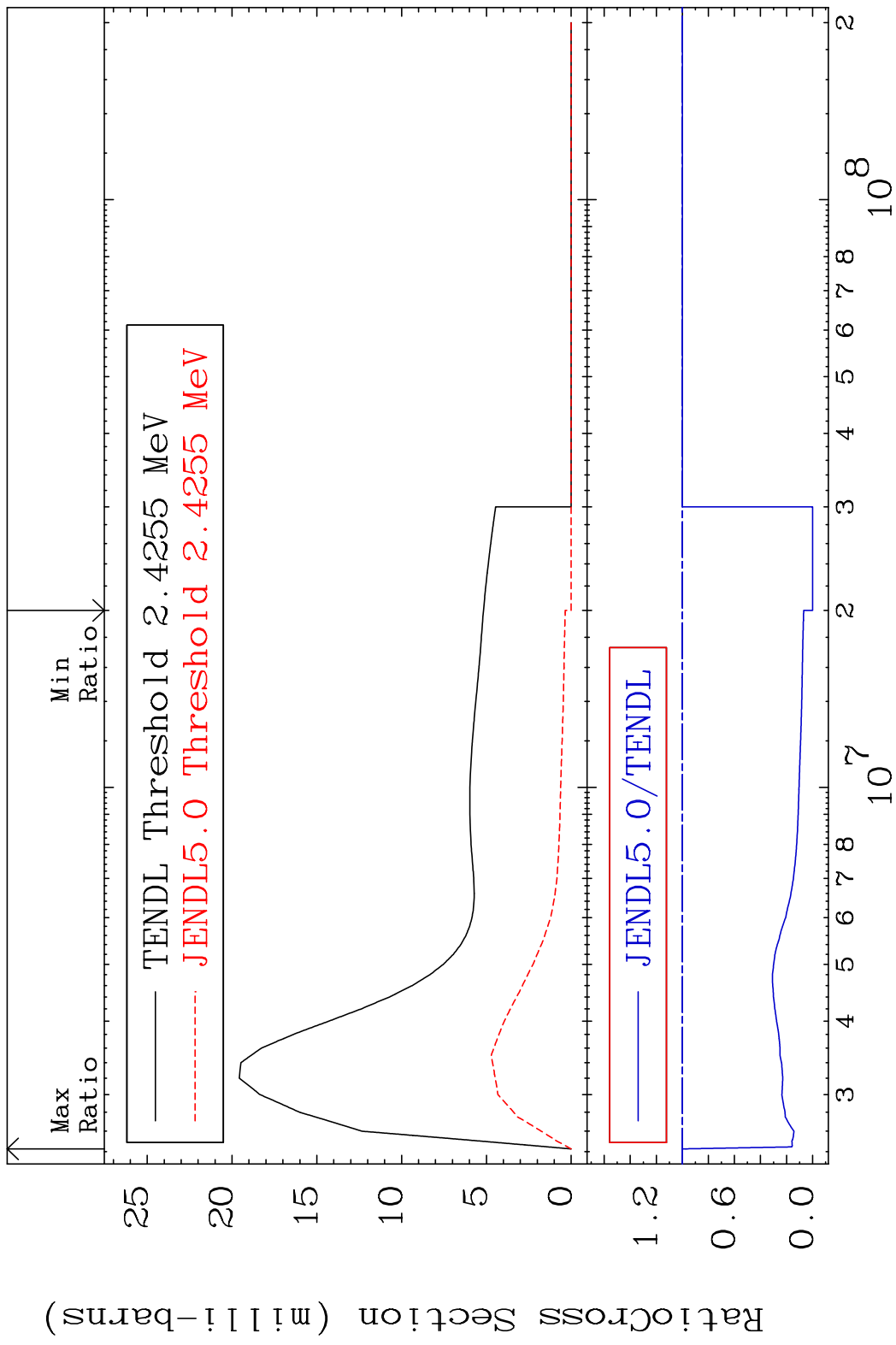
MAT 5646 MT= 76 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 148.6 %



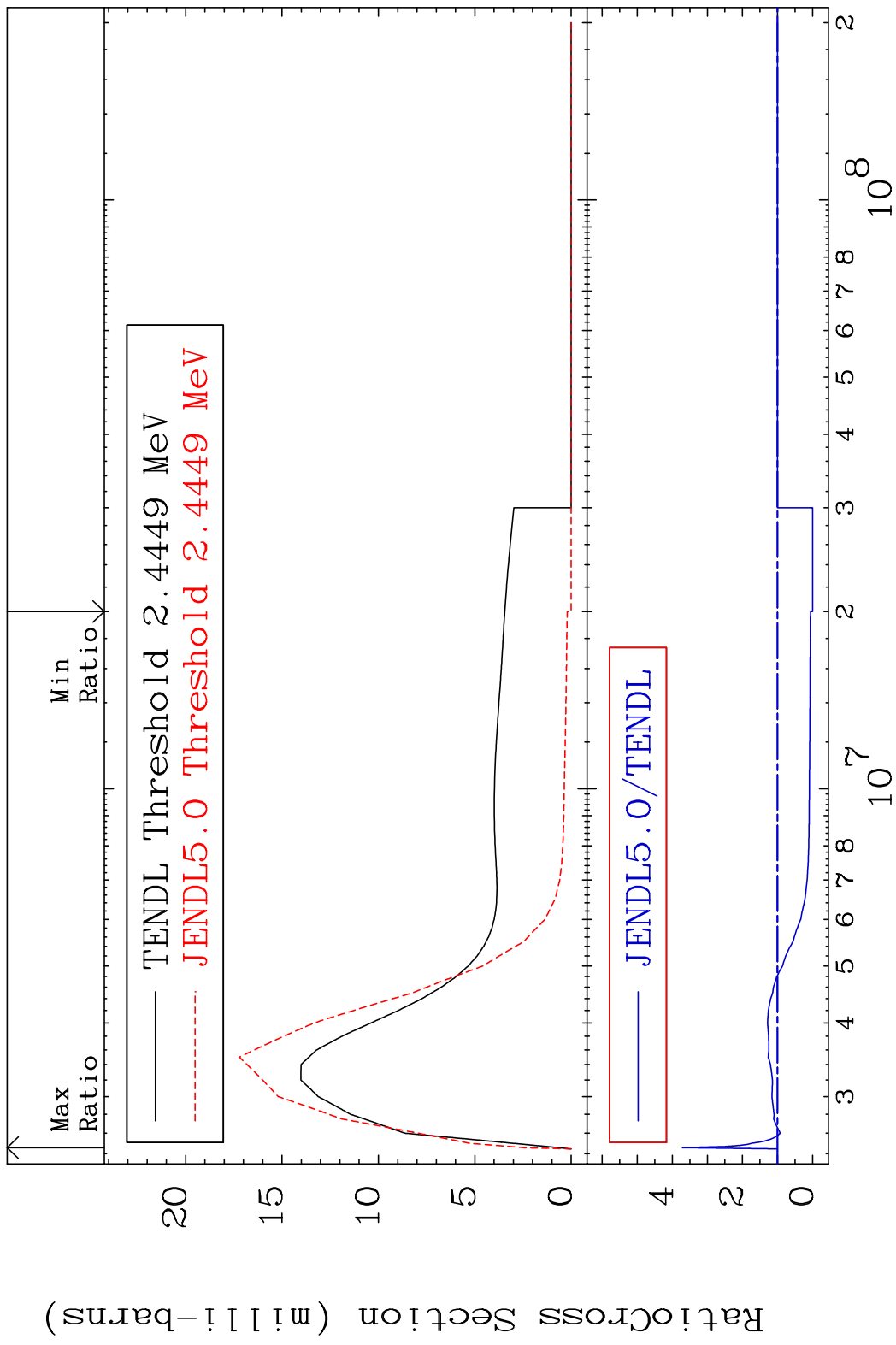
MAT 5646 MT= 77 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 320.6 %



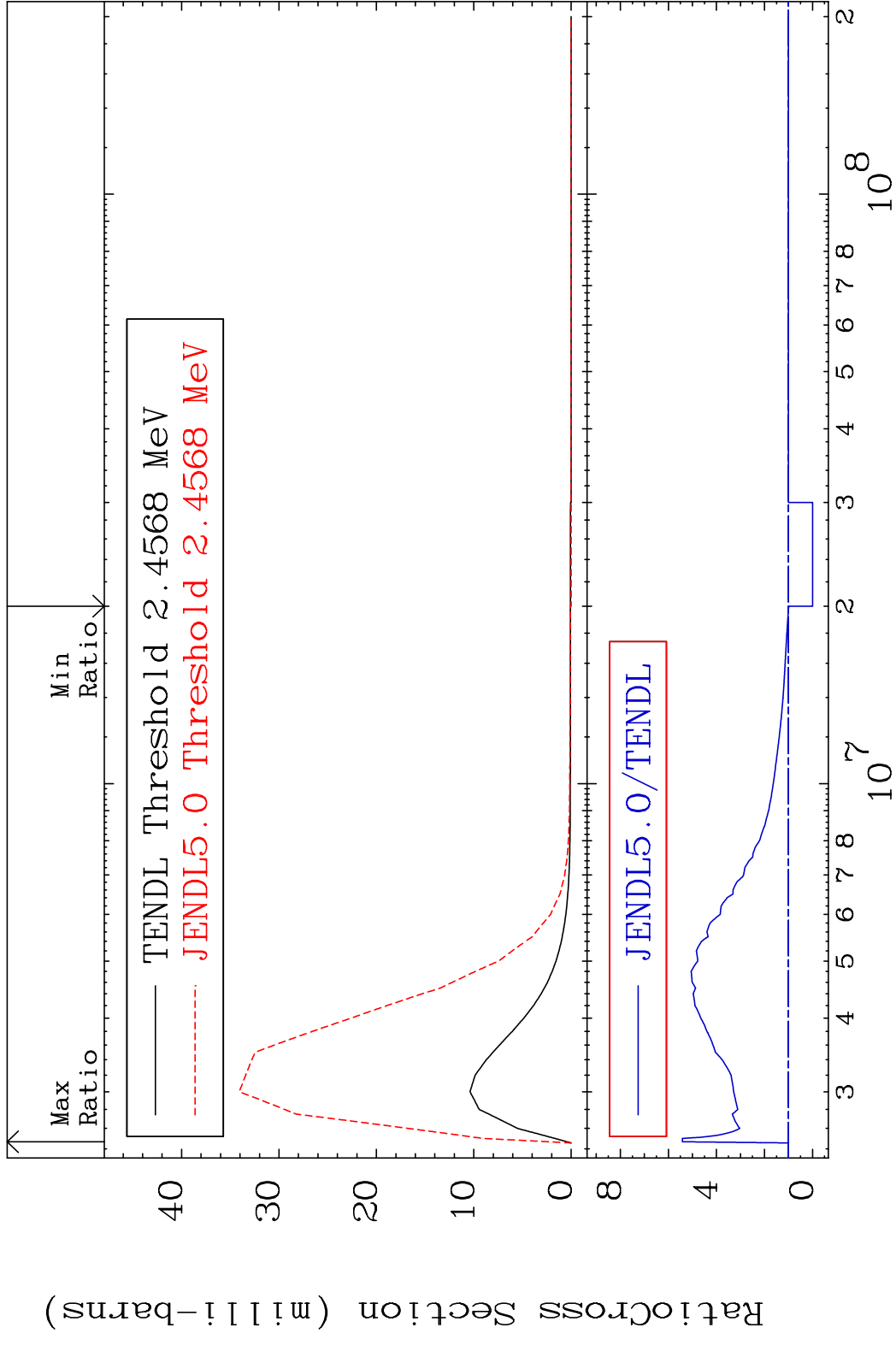
MAT 5646 MT= 78 (n,n') Level 56-Ba-137
 Cross Section -100.0 To 0.000 %



MAT 5646 MT= 79 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 271.4 %

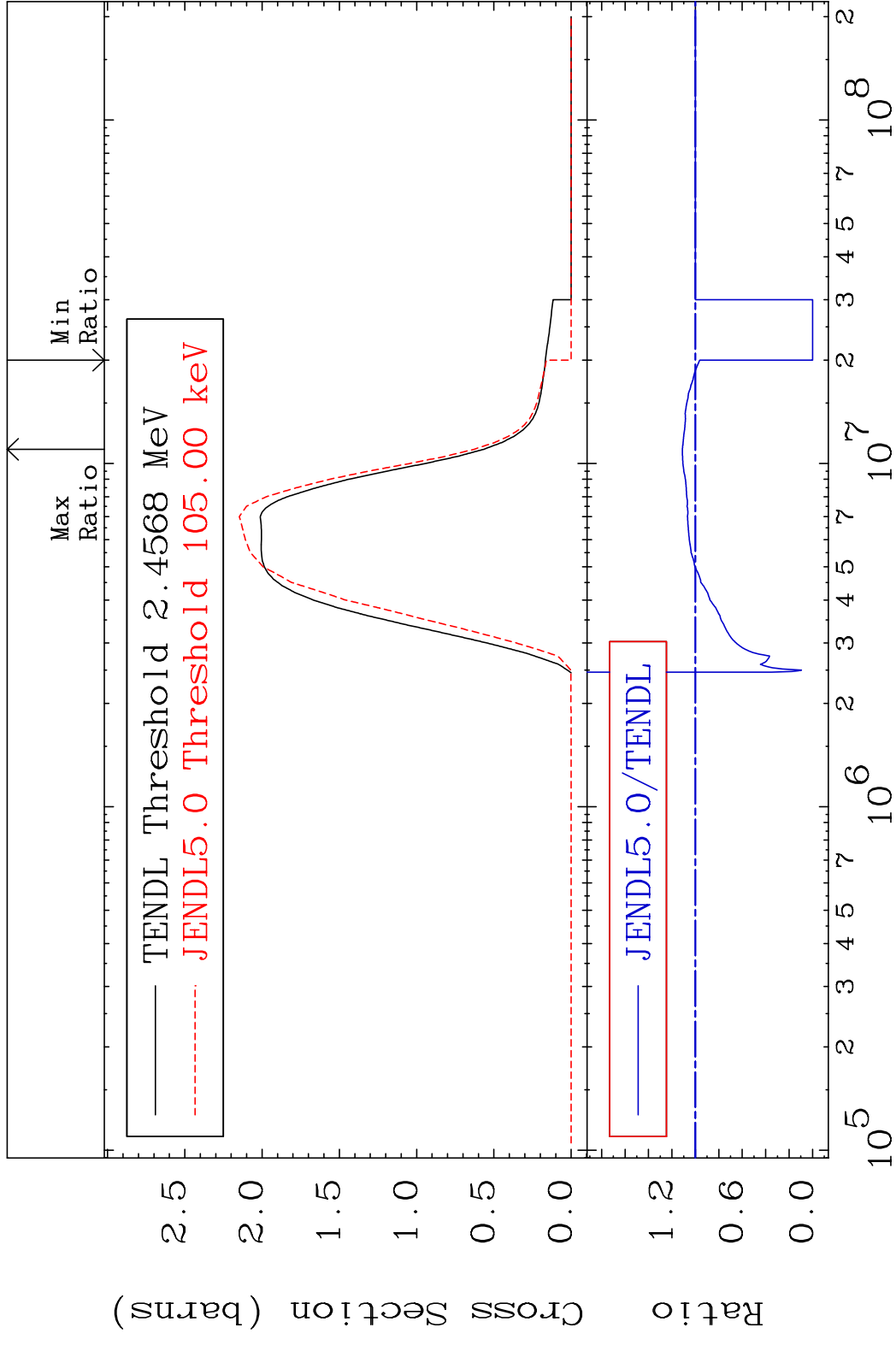


MAT 5646 MT= 80 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 441.8 %



40 3 4 5 6 7 8 10 2 56-Ba-137

MAT 5646 (n,n') Continuum 56-Ba-137
 Cross Section -100.0 To 11.11 %



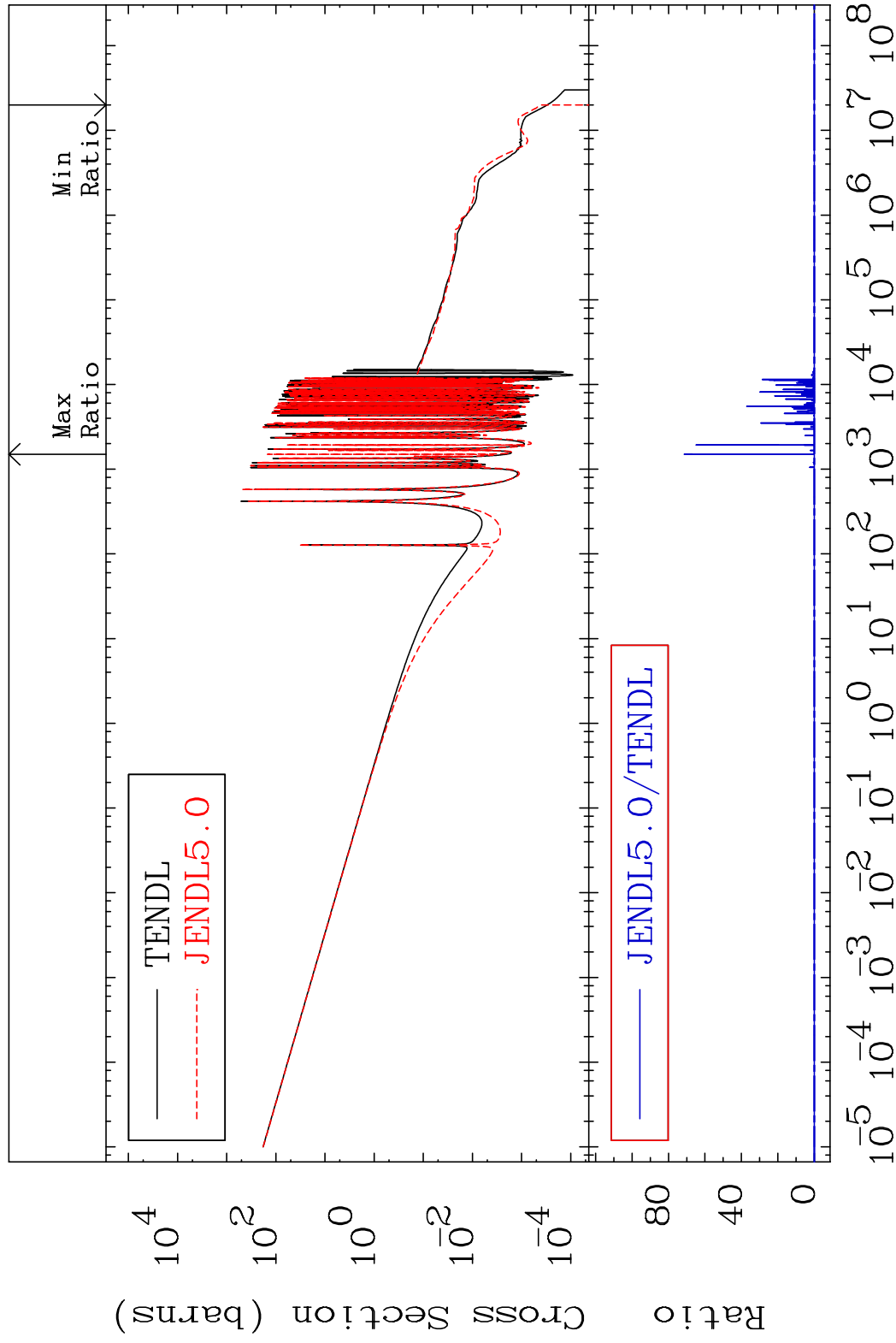
41 Incident Energy (eV) 56-Ba-137

MAT 5646

(n, γ)

56-Ba-137

Cross Section -100.0 To 9999. %

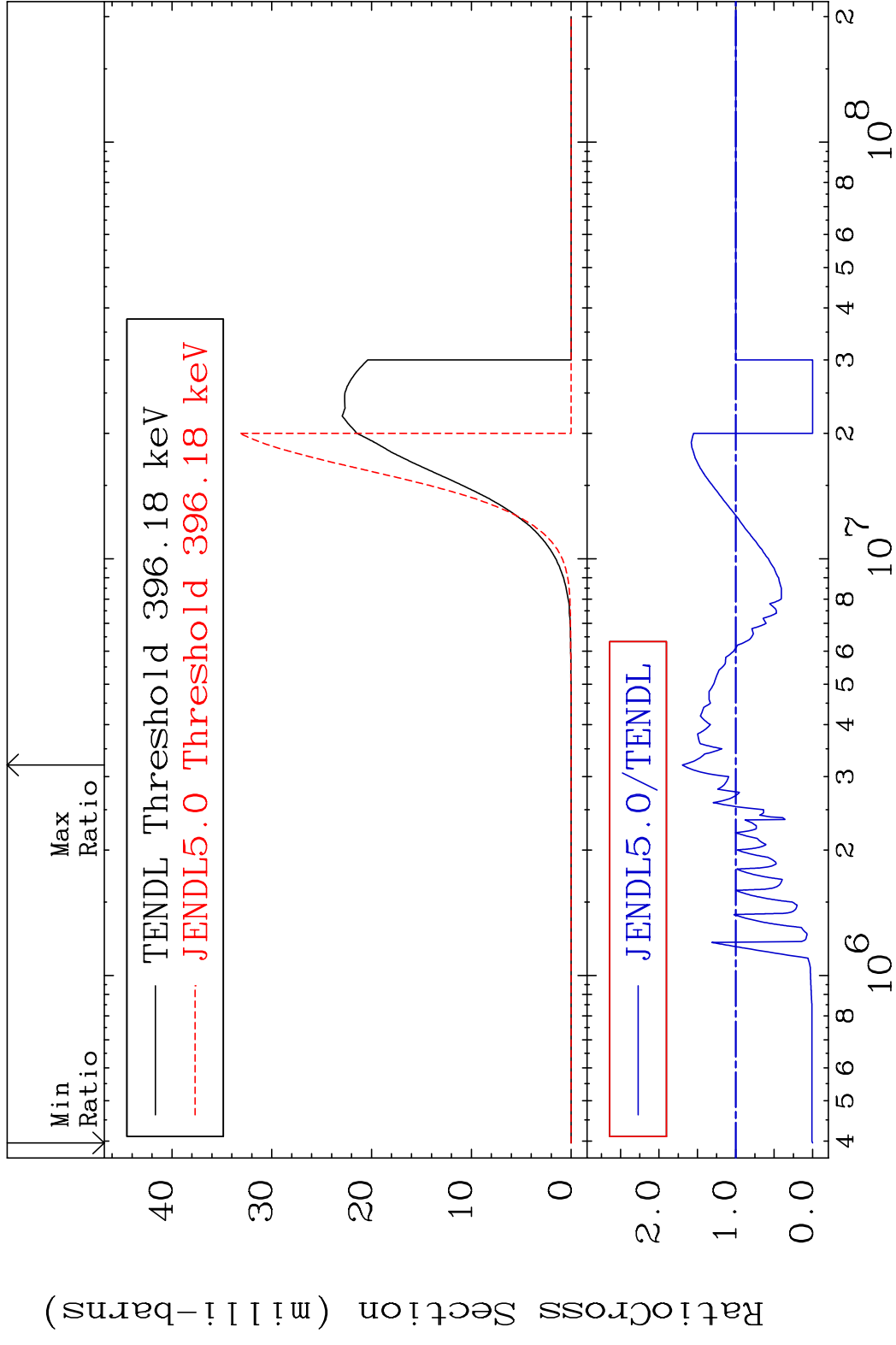


42

Incident Energy (eV)

56-Ba-137

MAT 5646 (n,p) 56-Ba-137
 Cross Section -100.0 To 69.56 %

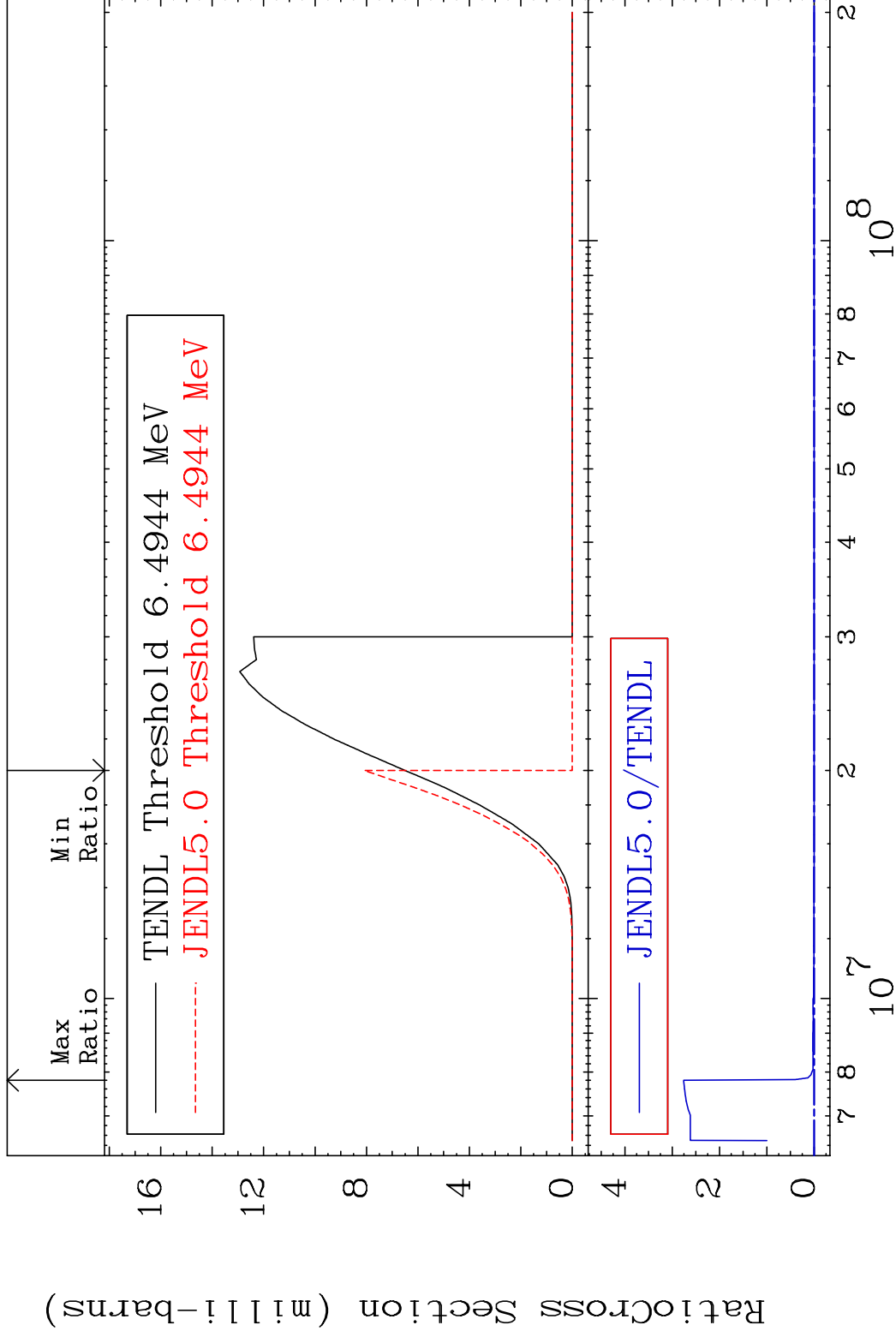


MAT 5646

(n,d)

56-Ba-137

Cross Section -100.0 To 9999. %

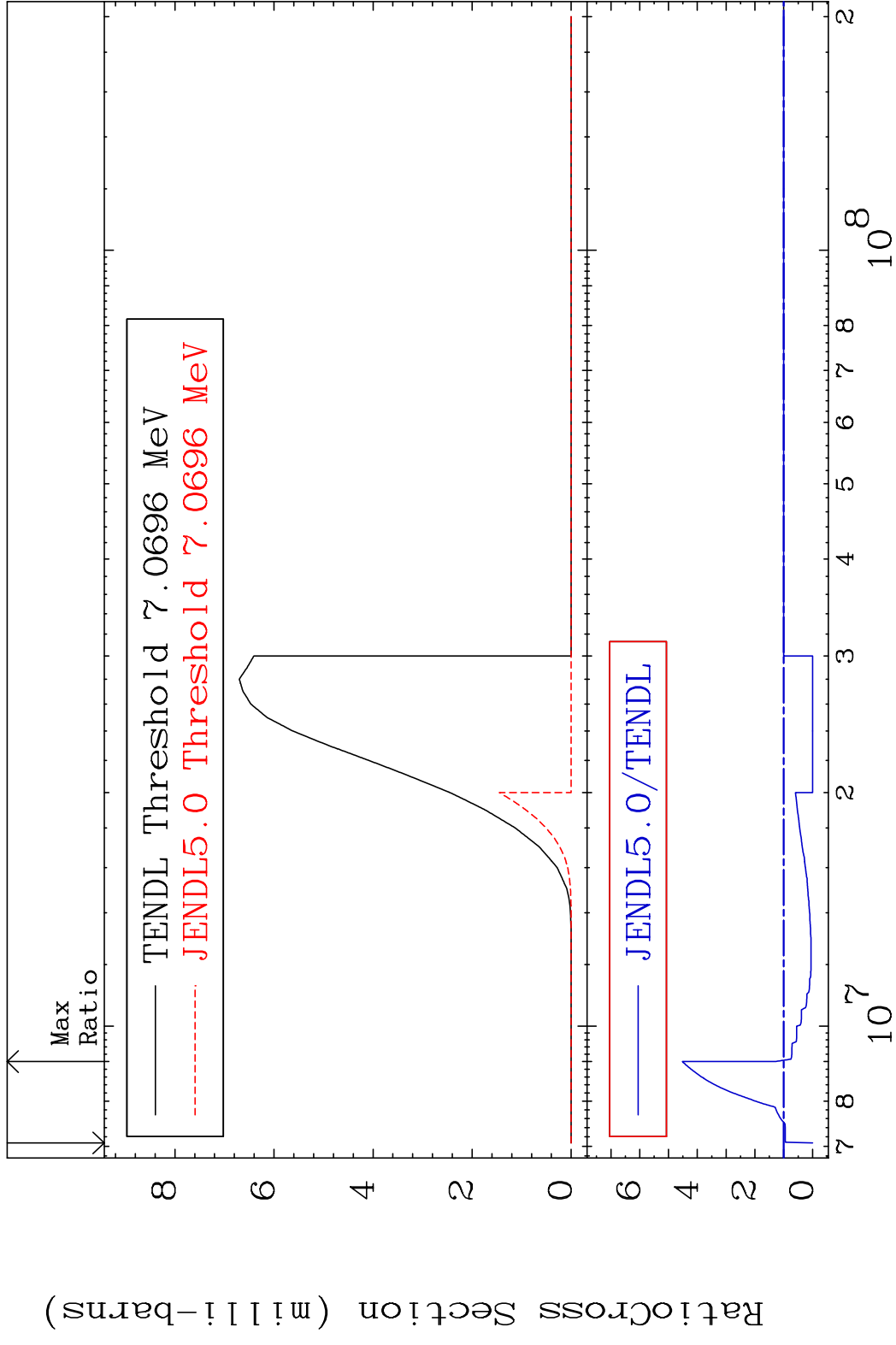


44

Incident Energy (eV)

56-Ba-137

MAT 5646 (n, t) 56-Ba-137
 Cross Section -100.0 To 352.0 %

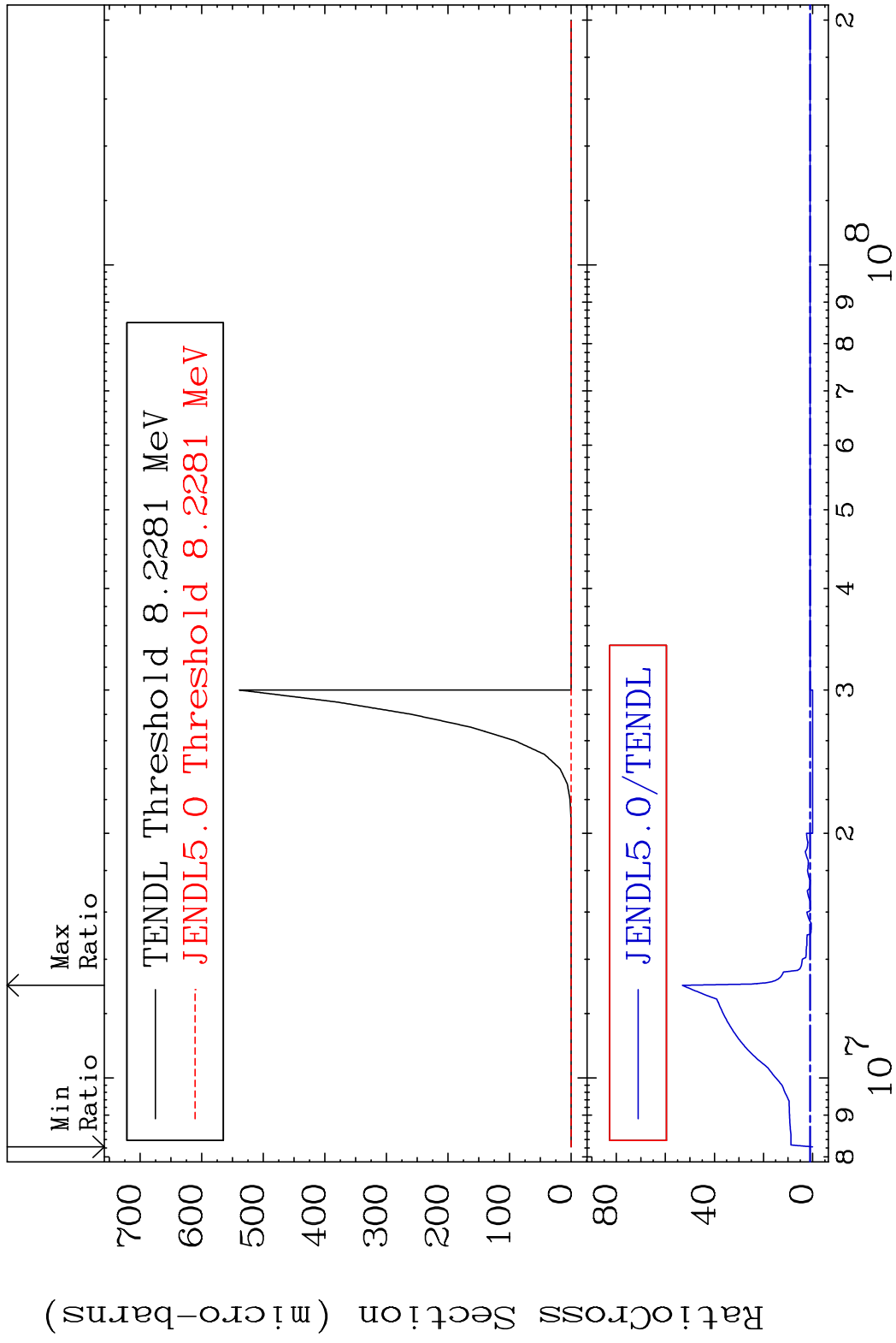


MAT 5646

(n, He-3)

56-Ba-137

Cross Section -100.0 To 5208. %



46

Incident Energy (eV)

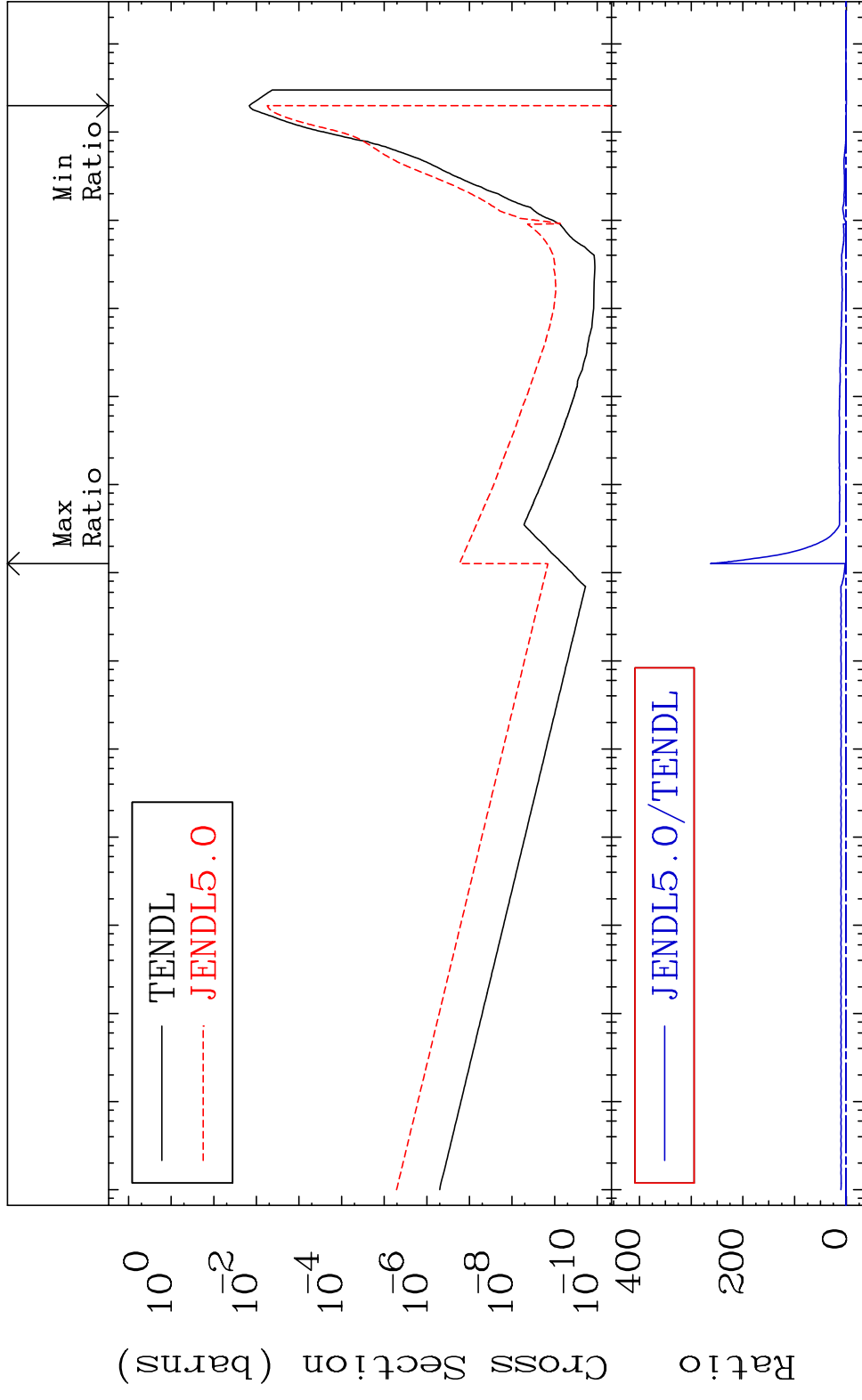
56-Ba-137

MAT 5646

56-Ba-137

(n, α)

Cross Section -100.0 To 9999. %

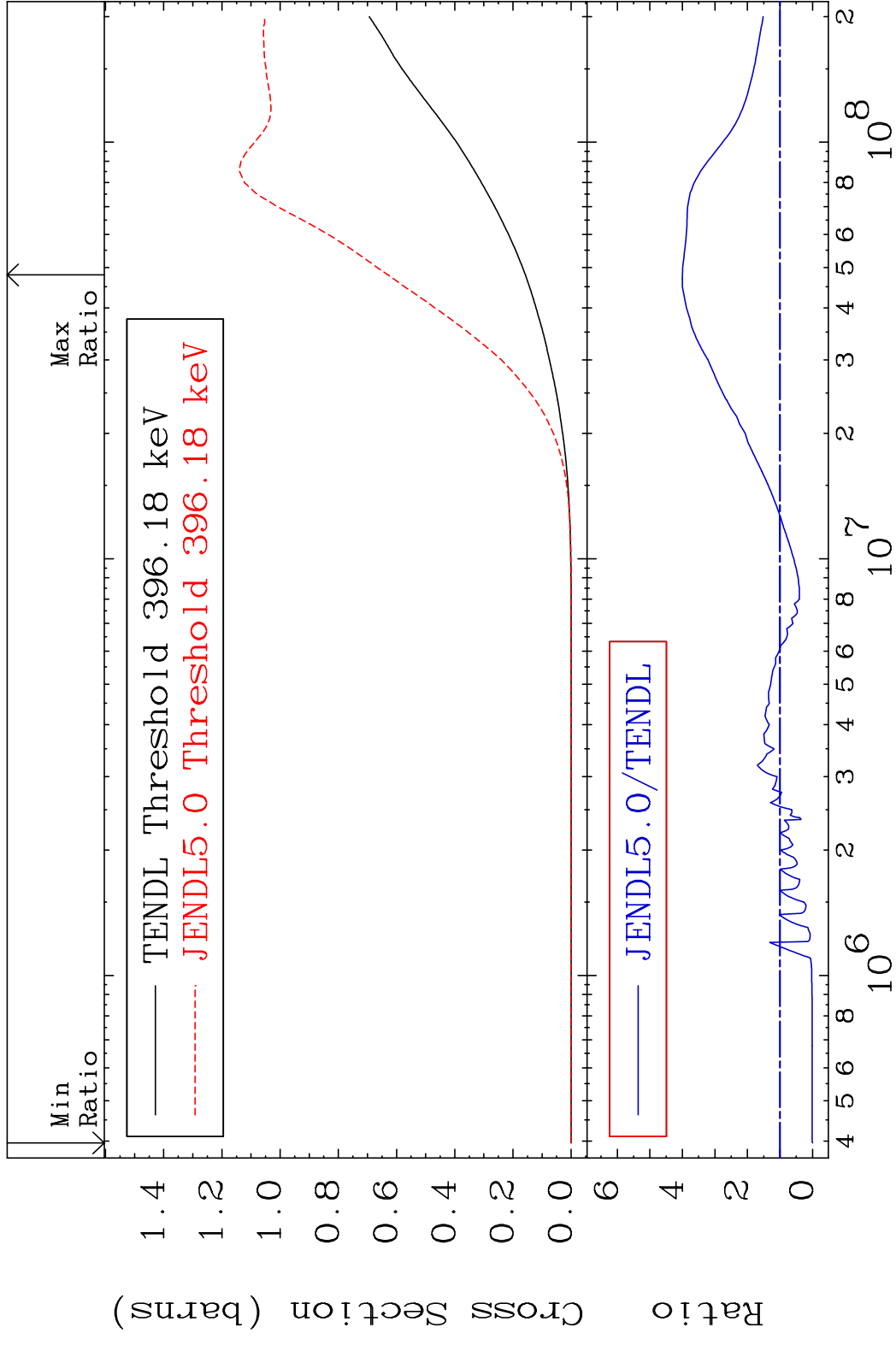


47

Incident Energy (eV)

56-Ba-137

MAT 5646 Hydrogen Production 56-Ba-137
 Cross Section -100.0 To 300.1 %

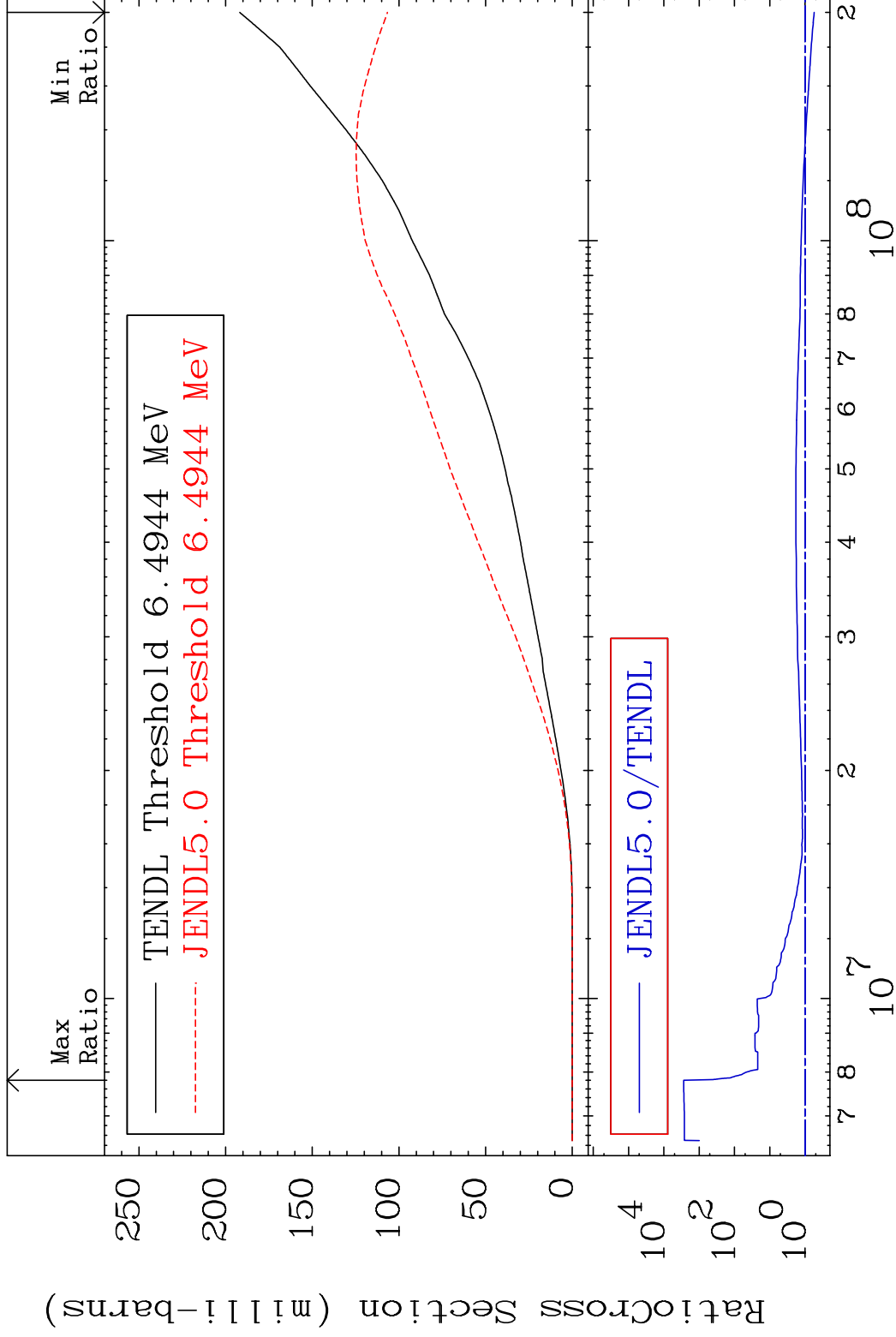


MAT 5646

Deuterium Production

56-Ba-137

Cross Section -44.41 To 9999. %

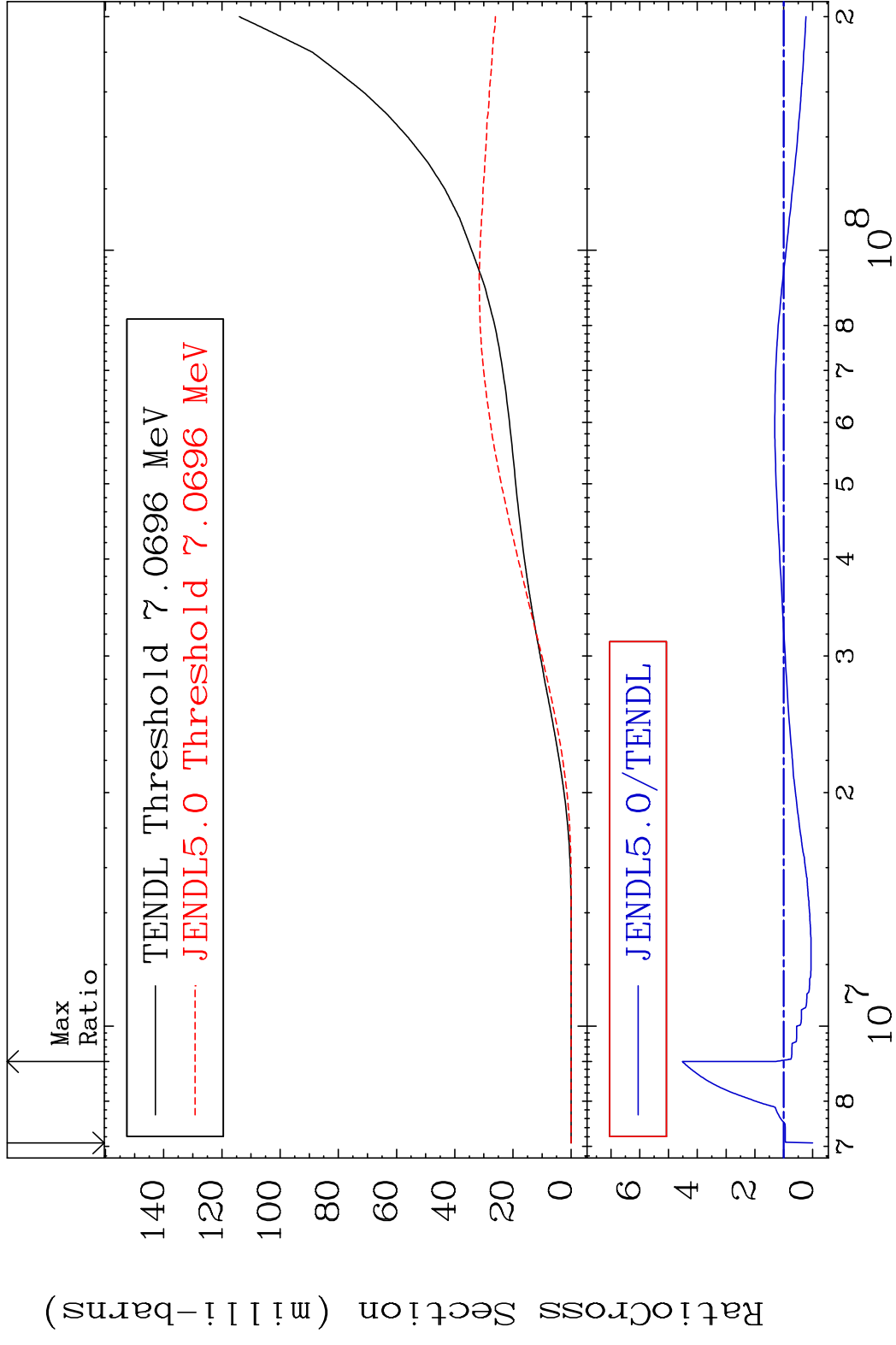


49

Incident Energy (eV)

56-Ba-137

MAT 5646 Tritium Production 56-Ba-137
 Cross Section -100.0 To 352.0 %

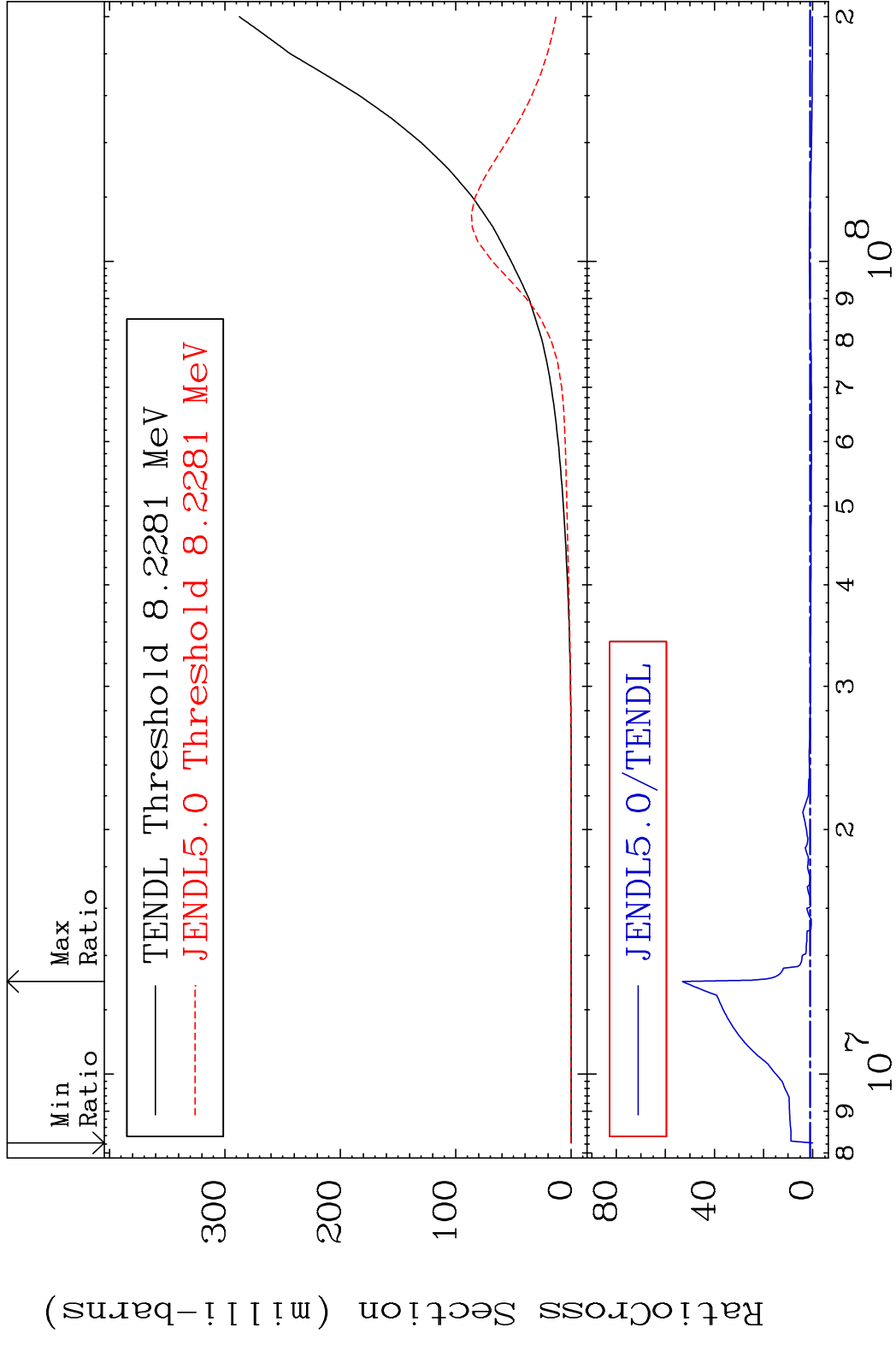


MAT 5646

He-3 Production

56-Ba-137

Cross Section -100.0 To 5208. %

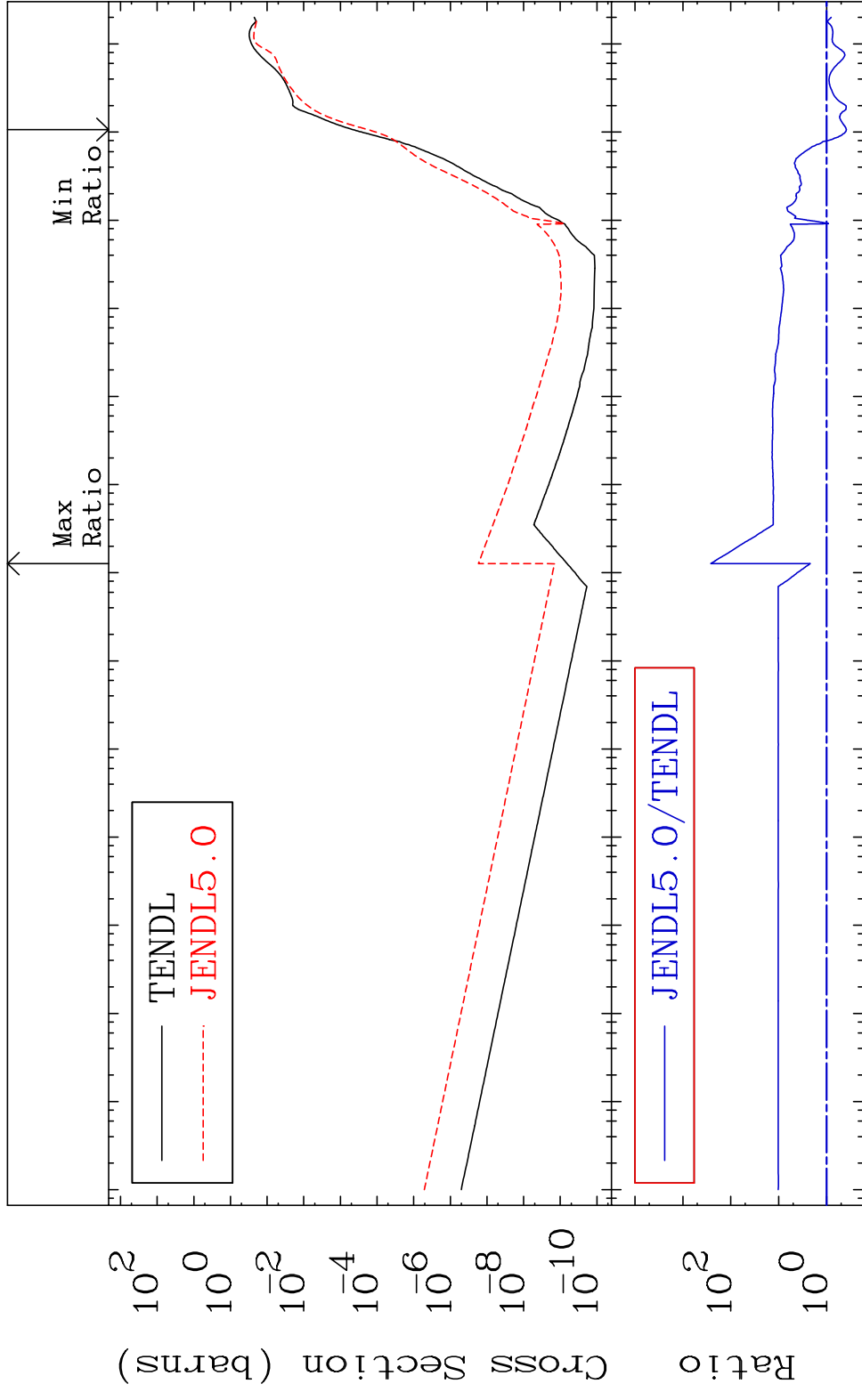


MAT 5646

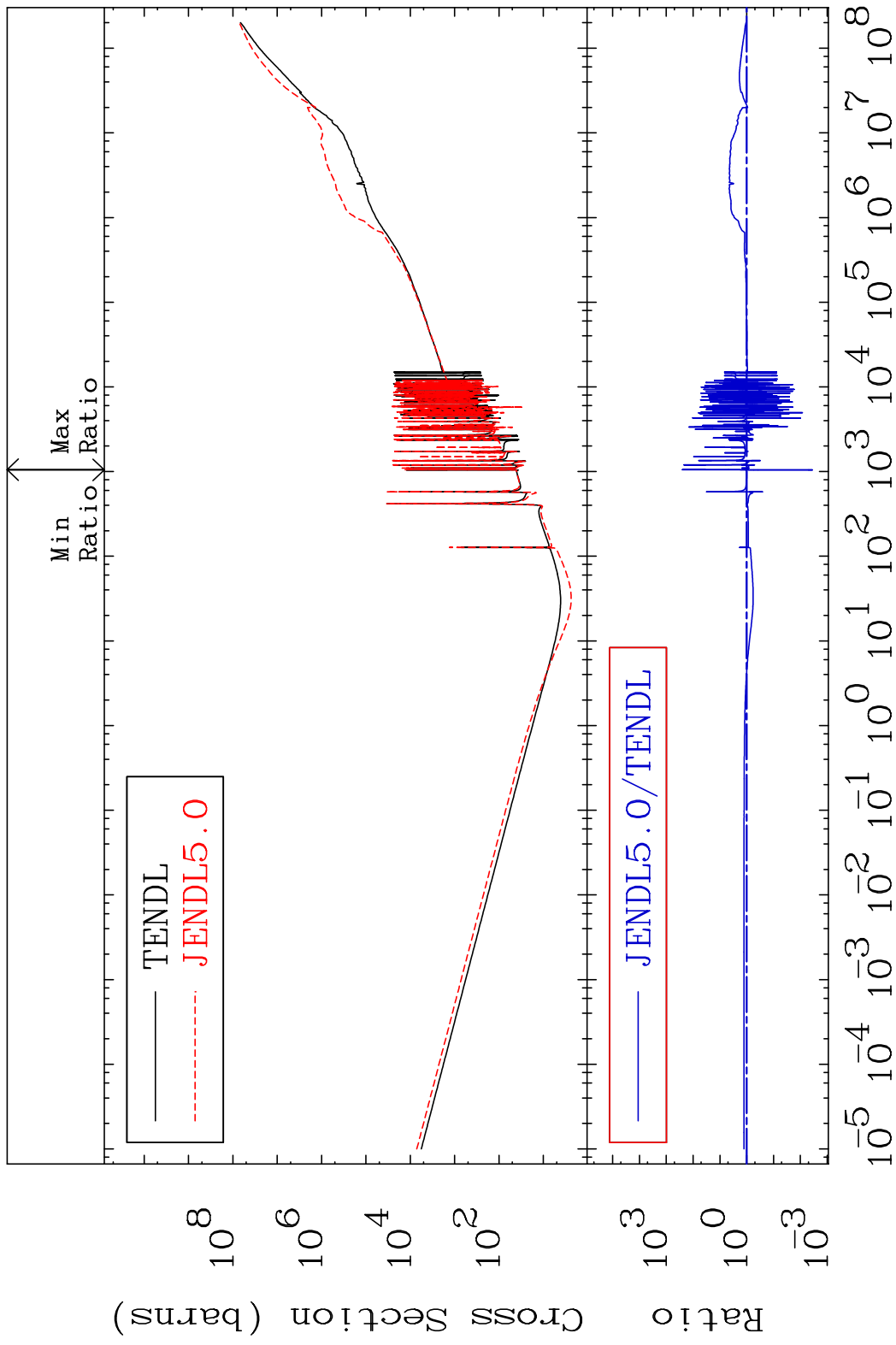
He-4 Production

56-Ba-137

Cross Section -61.06 To 9999. %



MAT 5646 Kerma total (eV-barns) 56-Ba-137
 Cross Section -99.65 To 9999. %



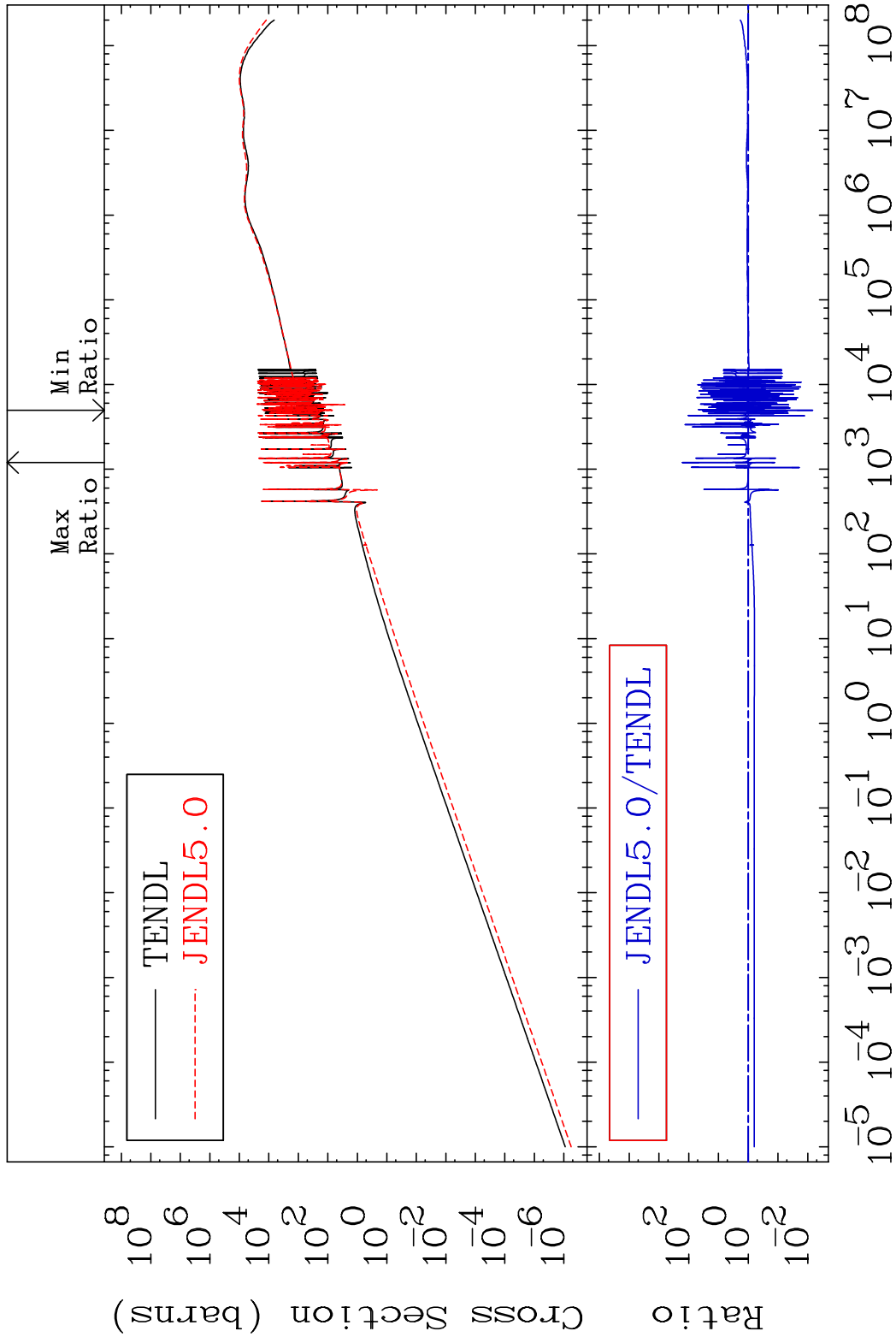
53 Incident Energy (eV) 56-Ba-137

MAT 5646

Kerma elastic

56-Ba-137

Cross Section -99.31 To 9999. %

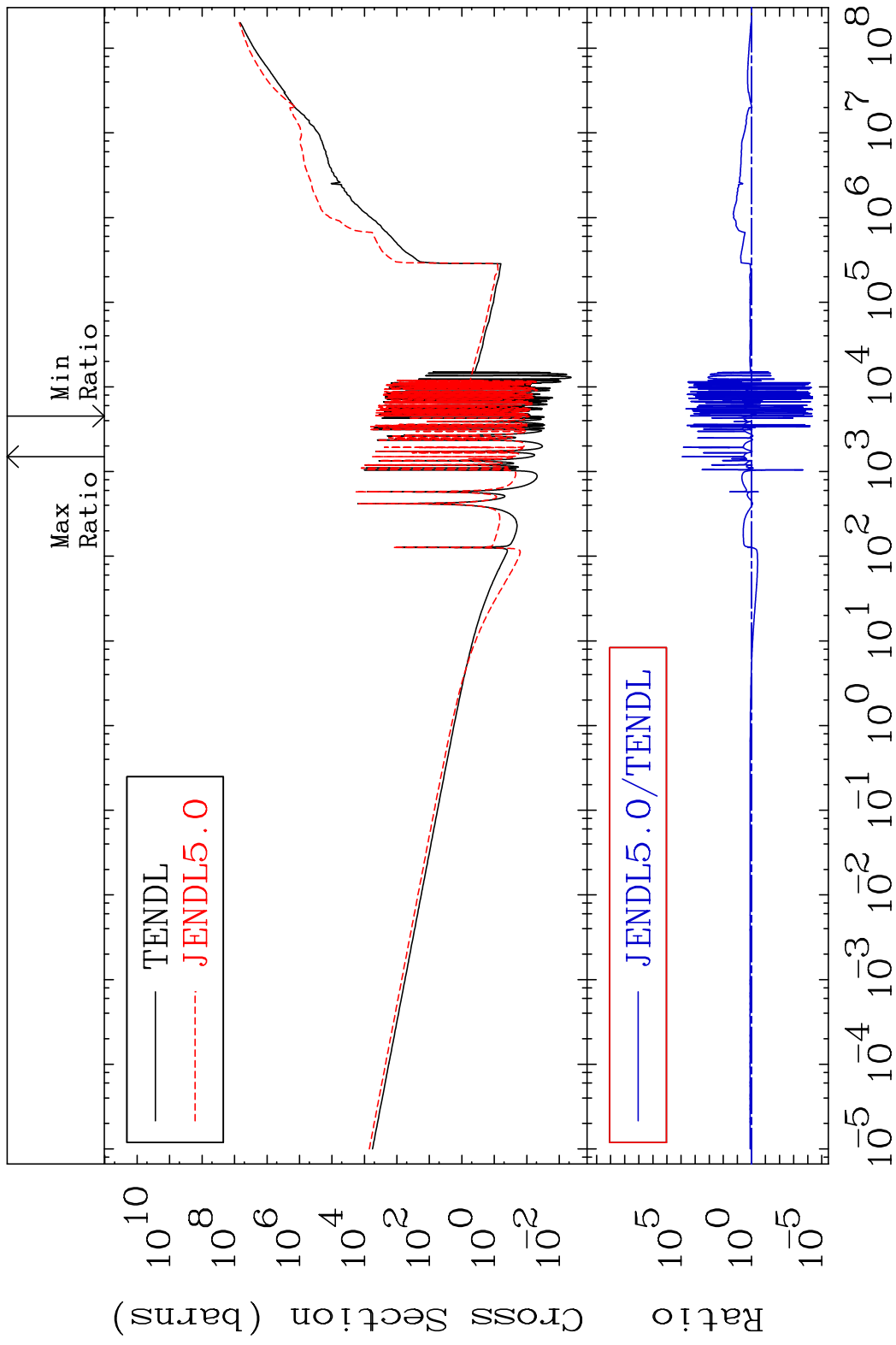


54

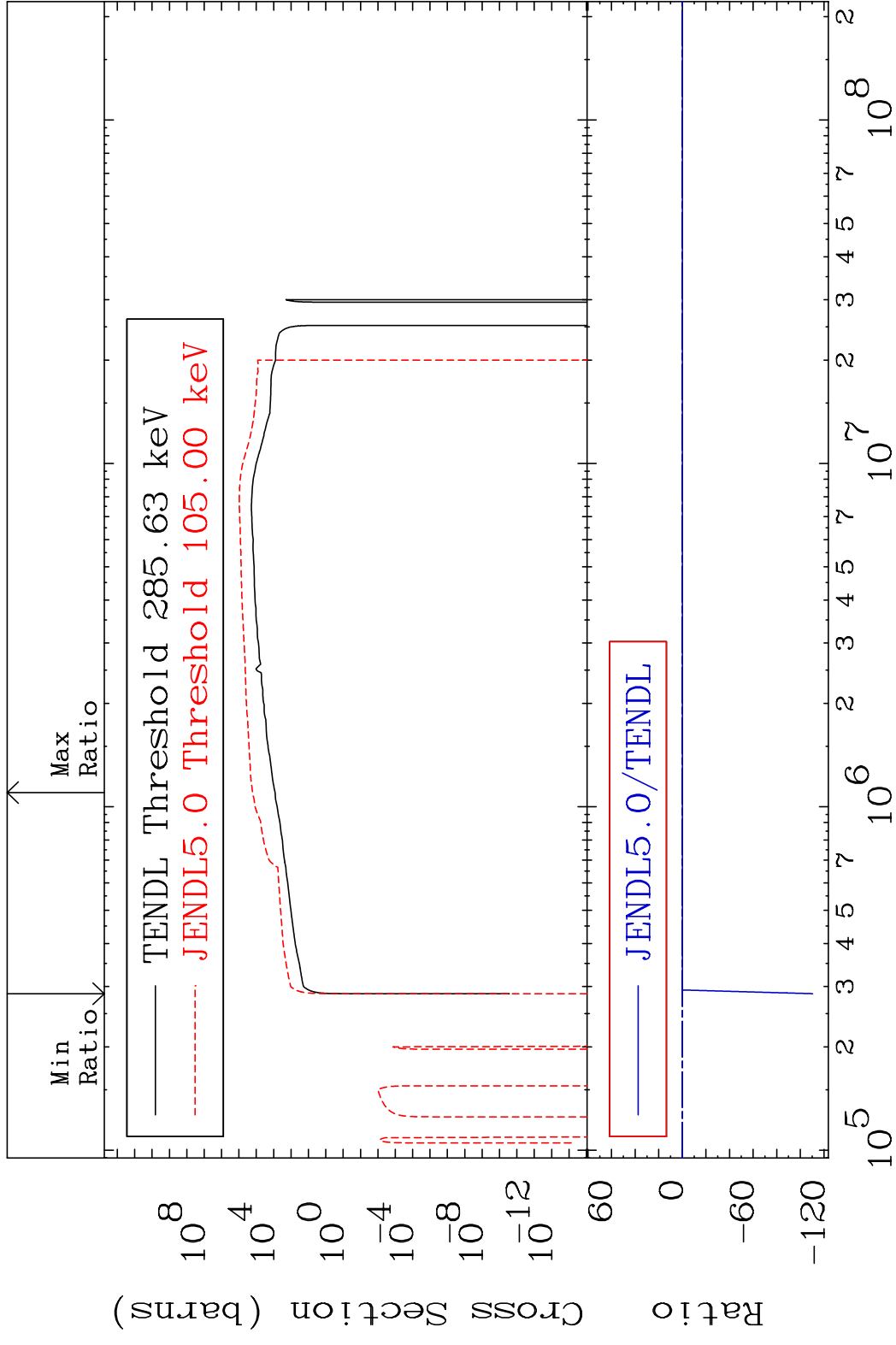
Incident Energy (eV)

56-Ba-137

MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137
 Cross Section -100.0 To 9999. %

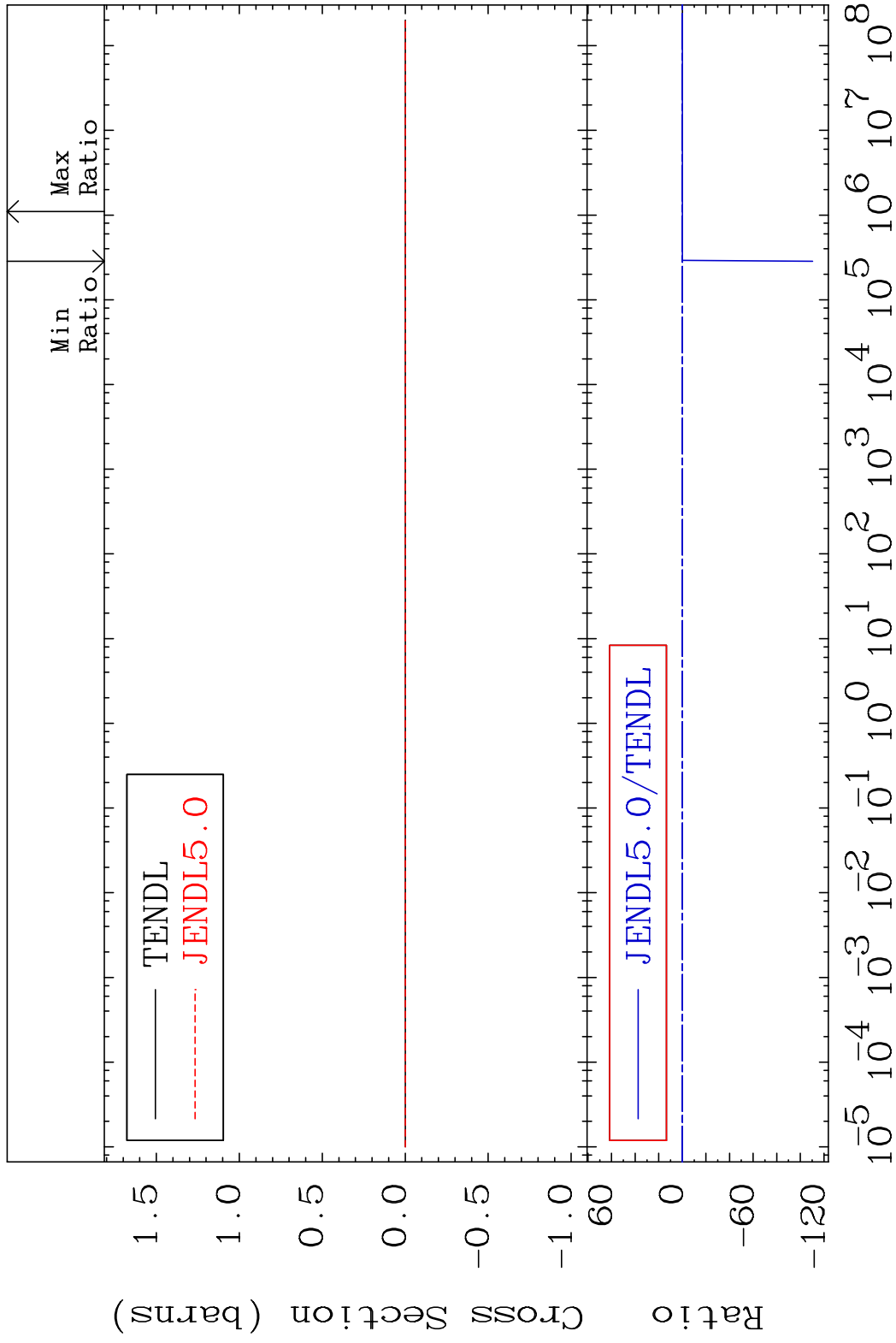


MAT 5646 Kerma inelastic (mt51-91) 56-Ba-137
 Cross Section -9999. To 1875. %



56 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137
 Cross Section -9999. To 1875. %

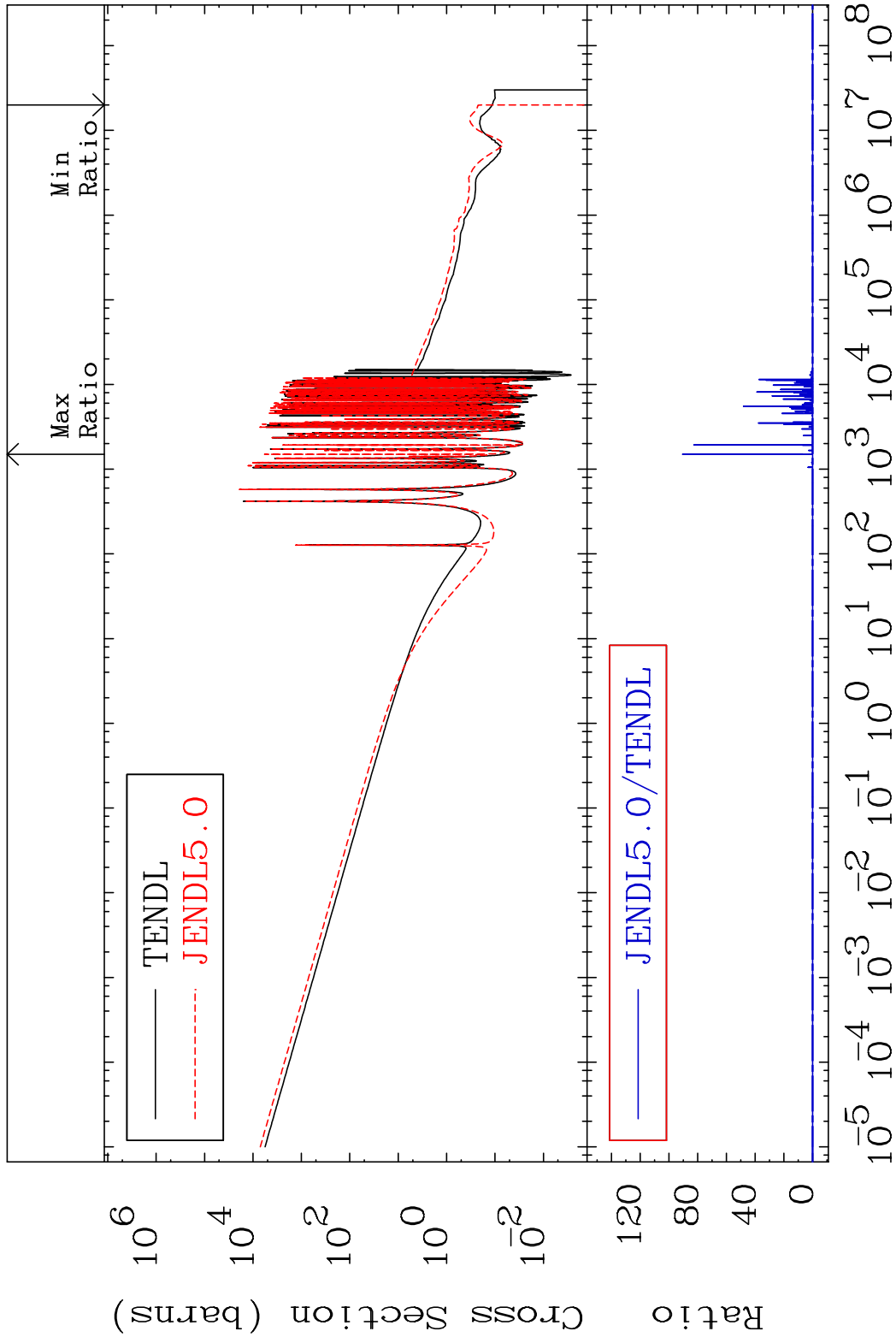


MAT 5646

Kerma capture (mt102)

56-Ba-137

Cross Section -100.0 To 9999. %

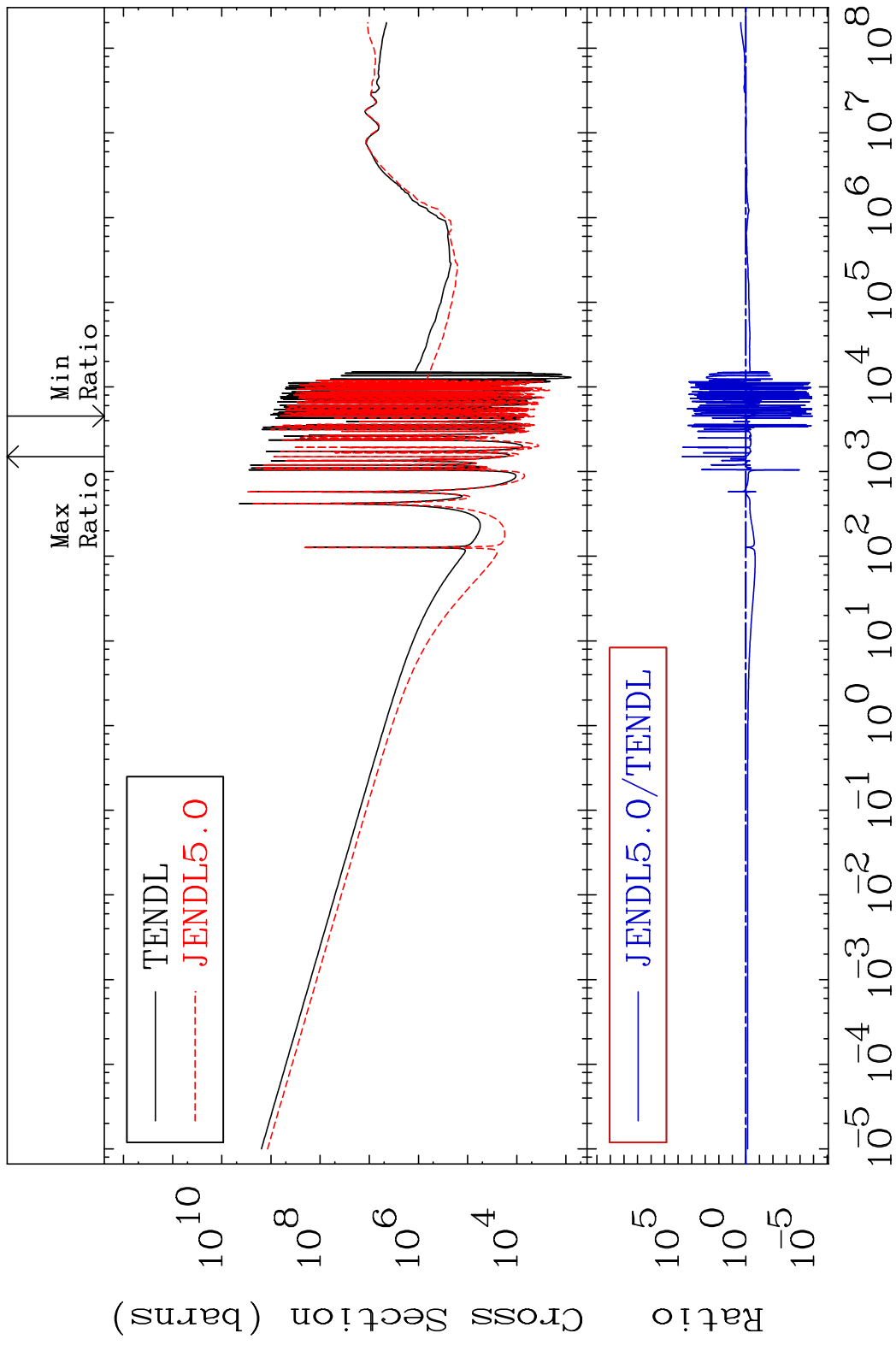


58

Incident Energy (eV)

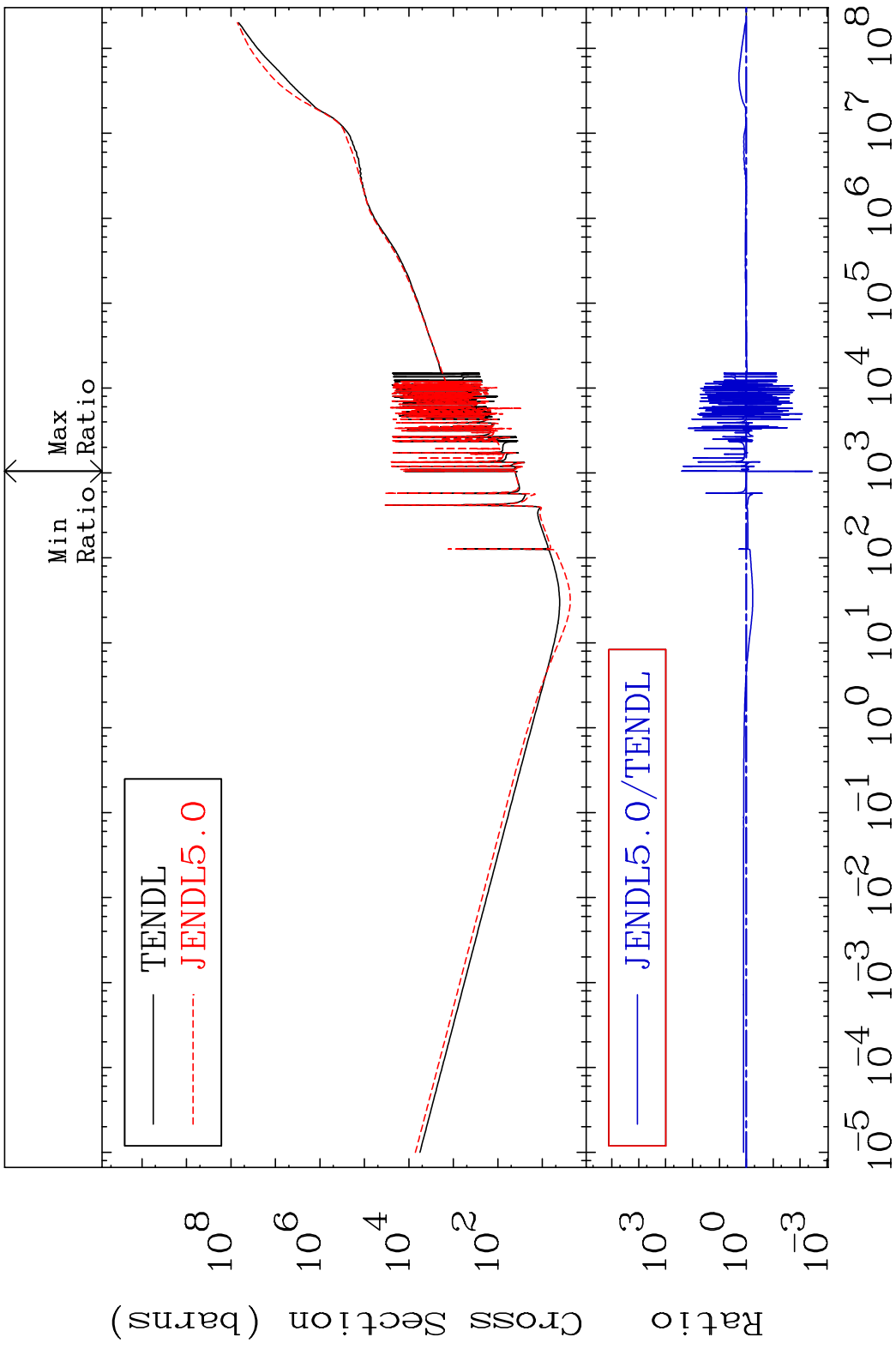
56-Ba-137

MAT 5646 Total photon (eV-barns) 56-Ba-137
 Cross Section -100.0 To 9999. %



59 Incident Energy (eV) 56-Ba-137

MAT 5646 Total kinematic kerma (high limit) 56-Ba-137
Cross Section -99.65 To 9999. %

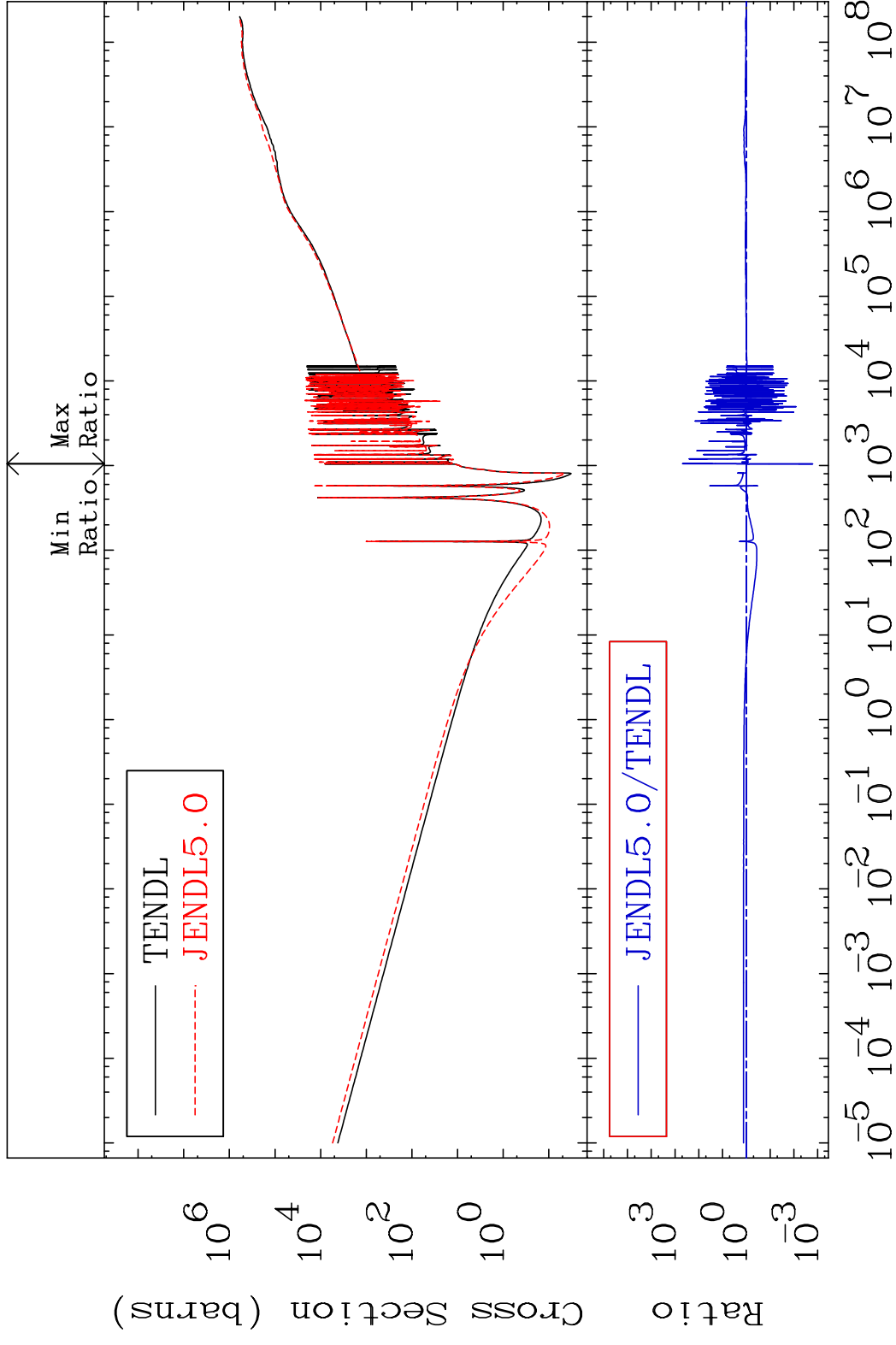


MAT 5646

Dpa total (eV-barns)

56-Ba-137

Cross Section -99.84 To 9999. %



61

Incident Energy (eV)

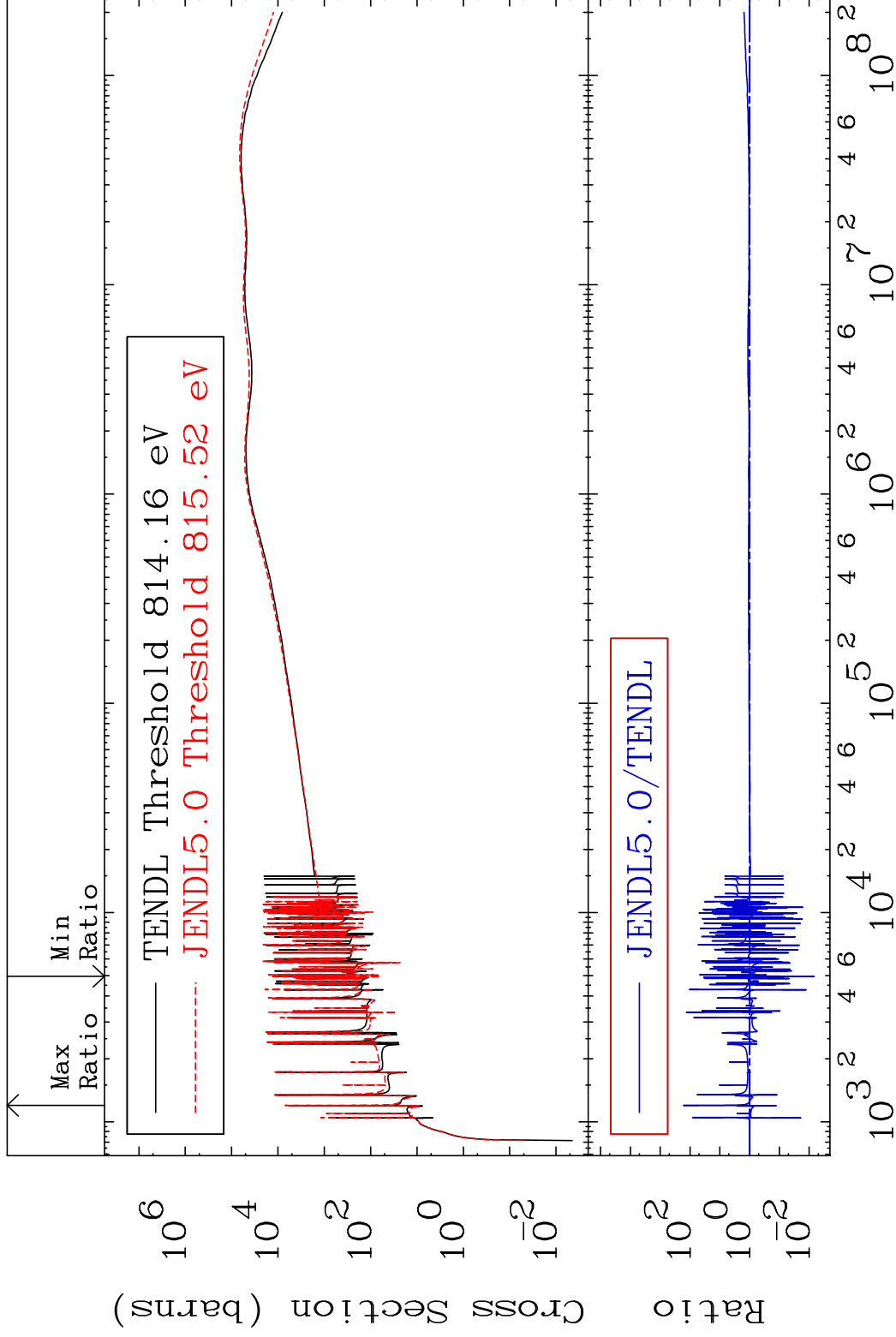
56-Ba-137

MAT 5646

Dpa elastic (mt2)

56-Ba-137

Cross Section -99.31 To 9999. %

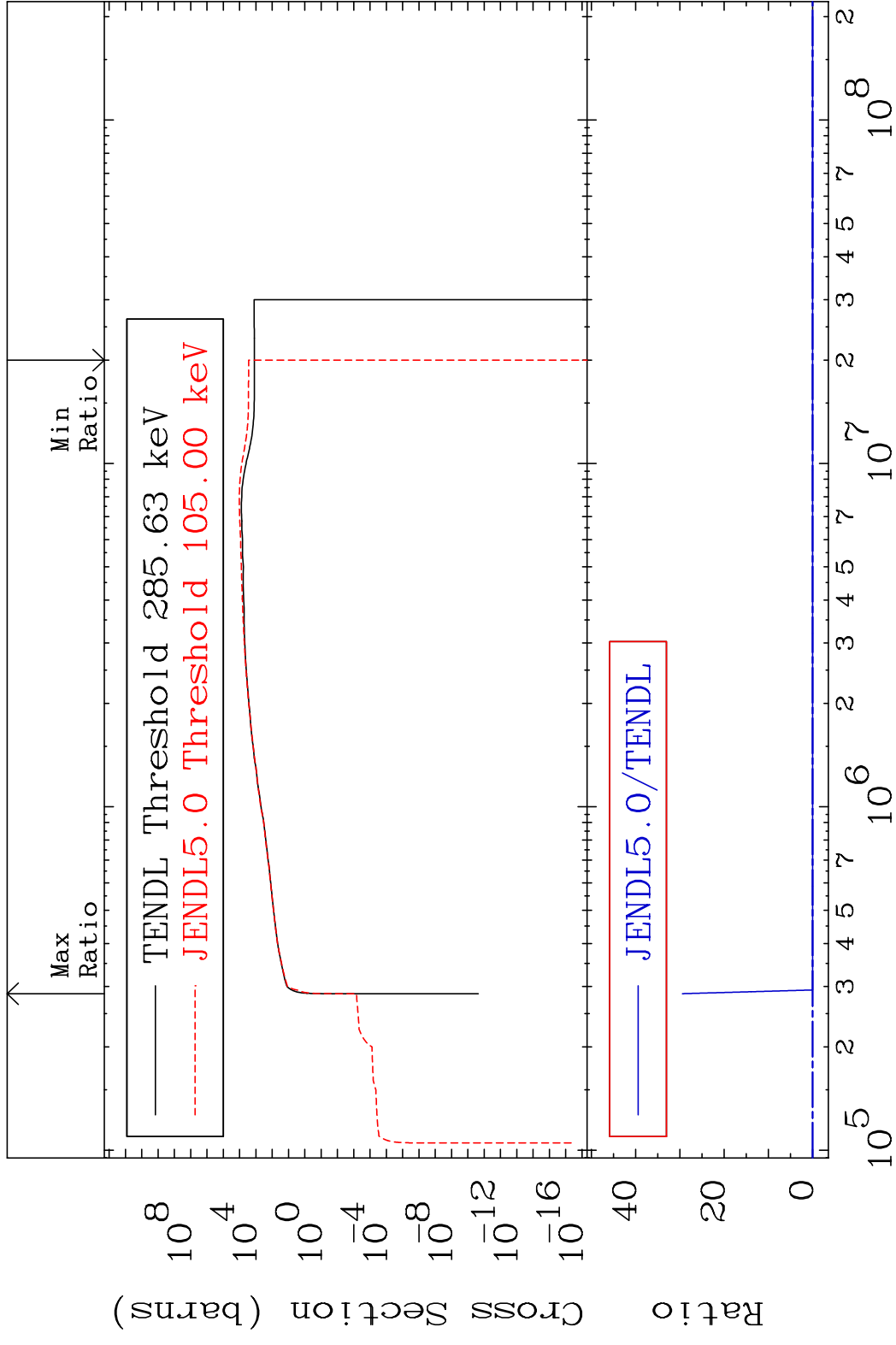


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Incident Energy (eV)

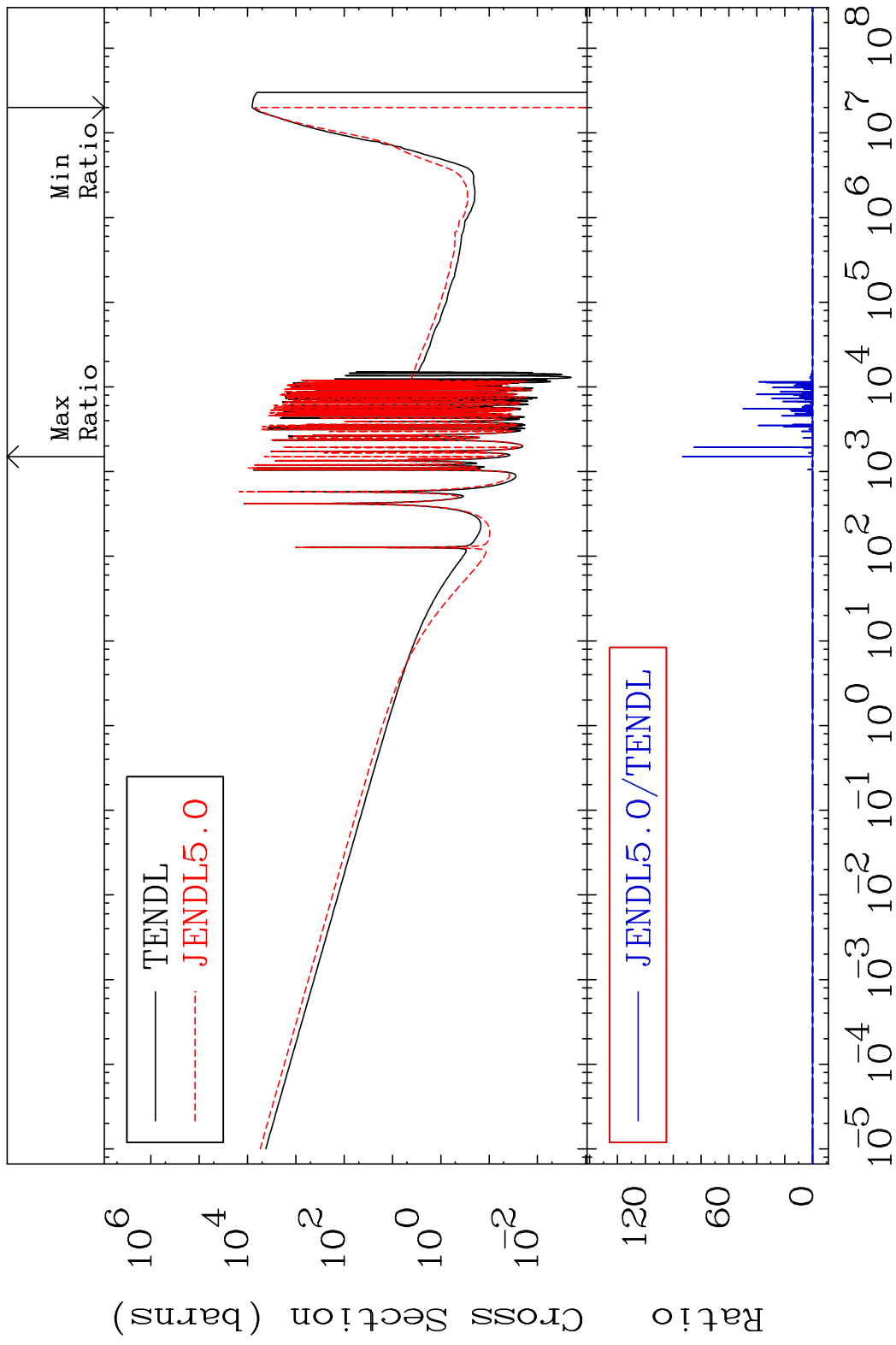
56-Ba-137

MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137
 Cross Section -100.0 To 9999. %



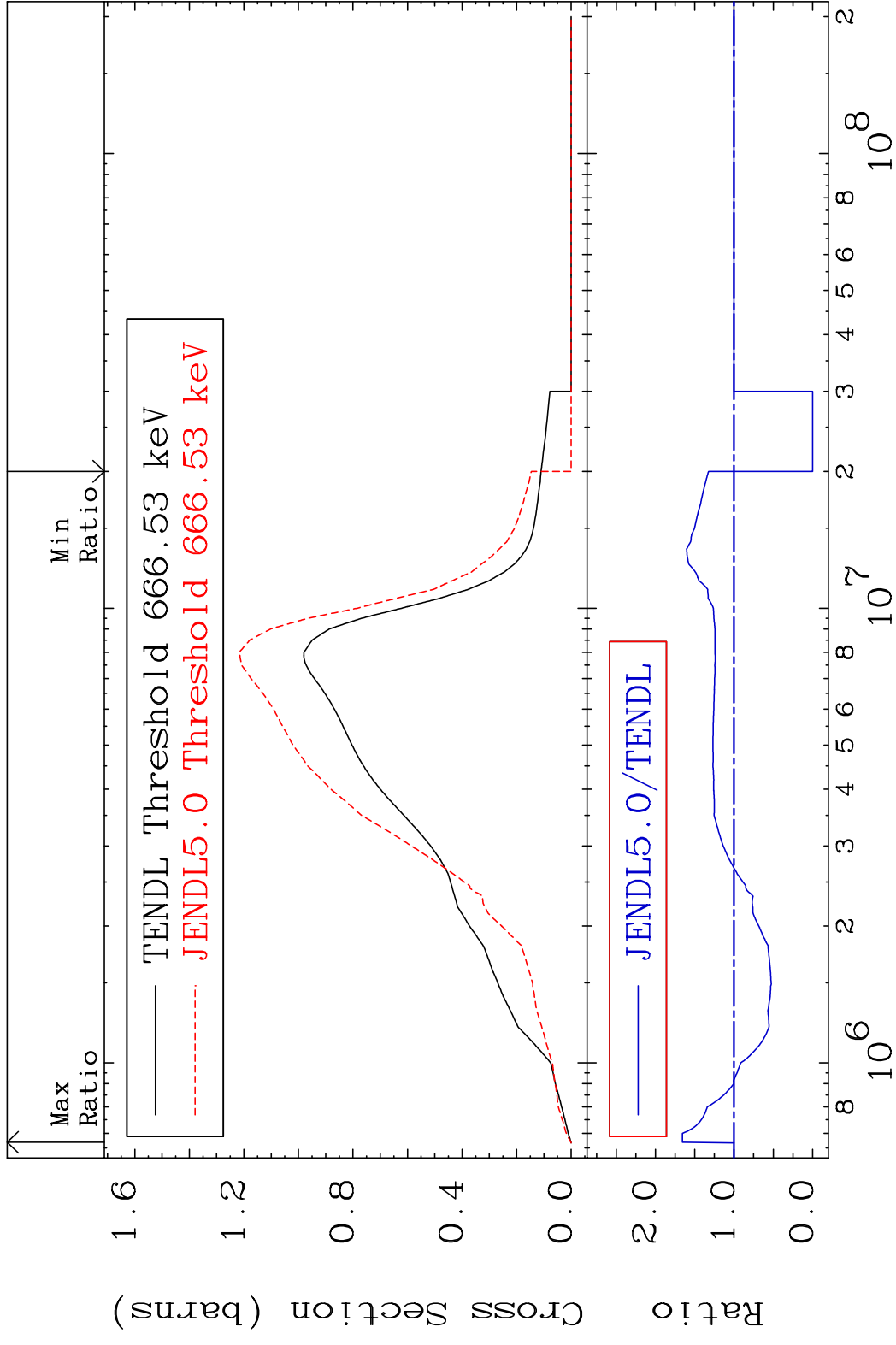
63 Incident Energy (eV) 56-Ba-137

MAT 5646 Dpa disappearance (mt102 -120) 56-Ba-137
 Cross Section -100.0 To 9999. %

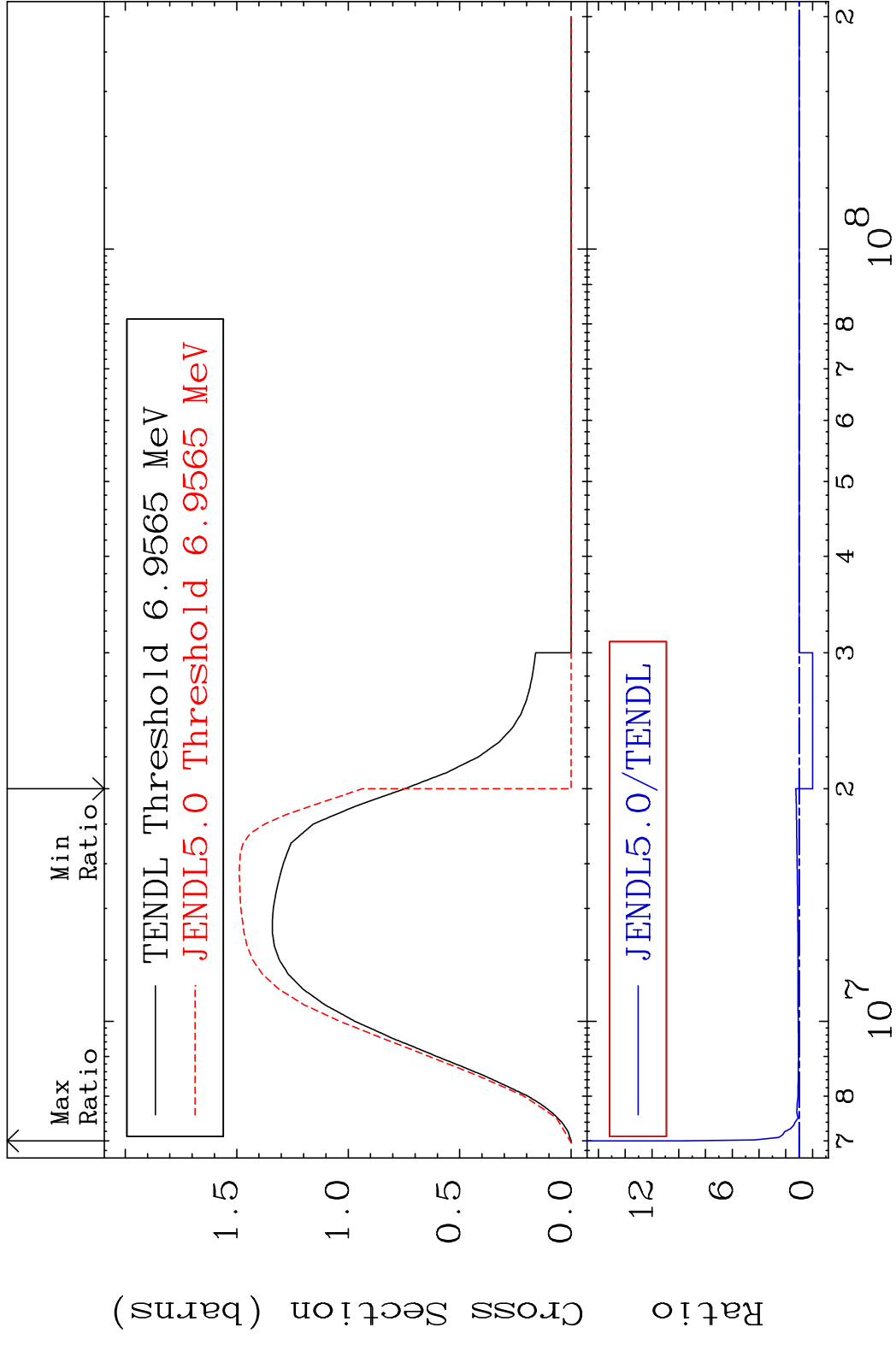


64 Incident Energy (eV) 56-Ba-137

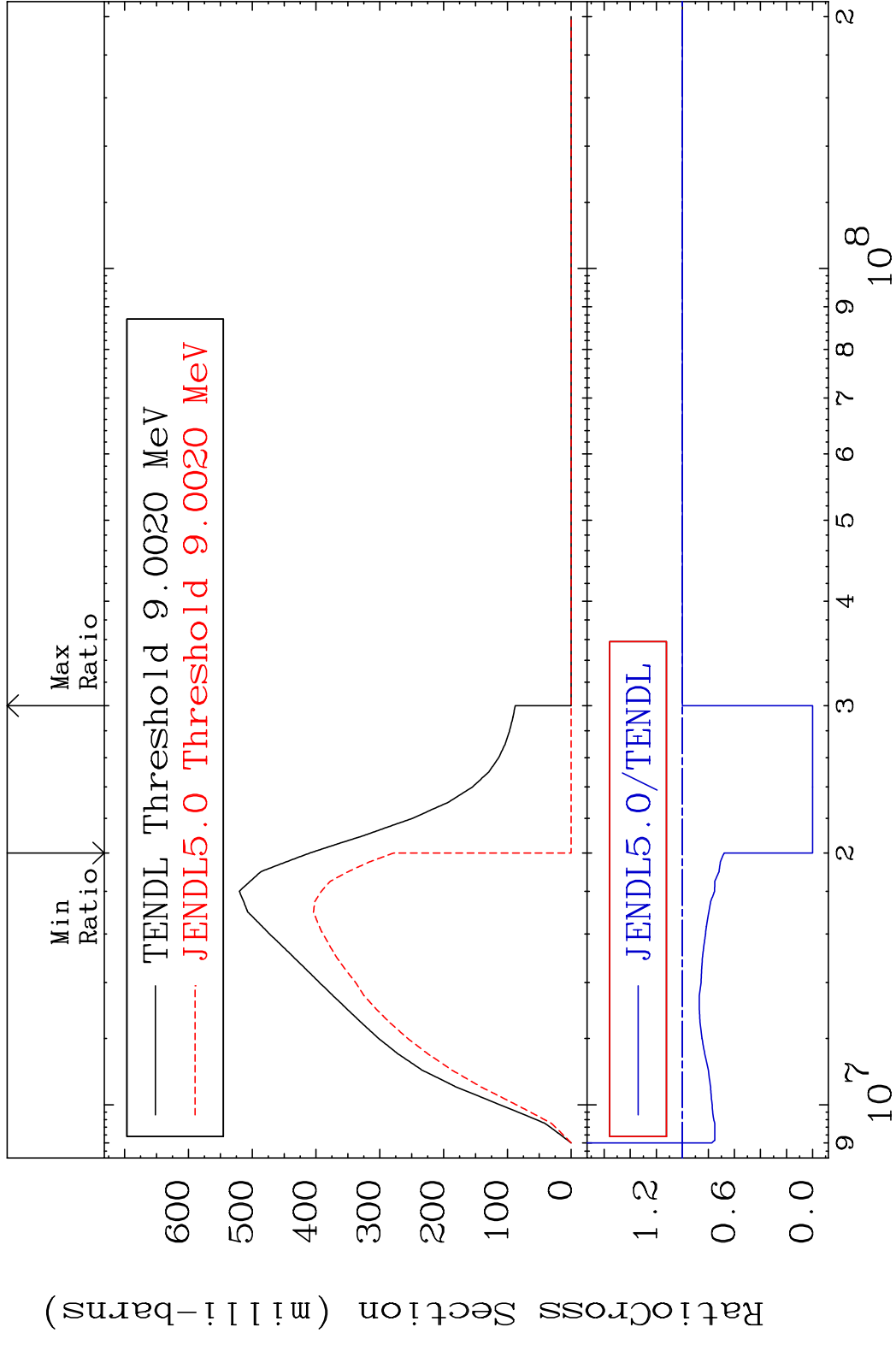
MAT 5646 Inelastic:56-Ba-137m2 56-Ba-137
 Radionuclide Production Cross Section 180.01 dno 65.76 %



MAT 5646 (n,2n):56-Ba-136g 56-Ba-137
 Radionuclide Production Cross Section Ratio 872.8 %

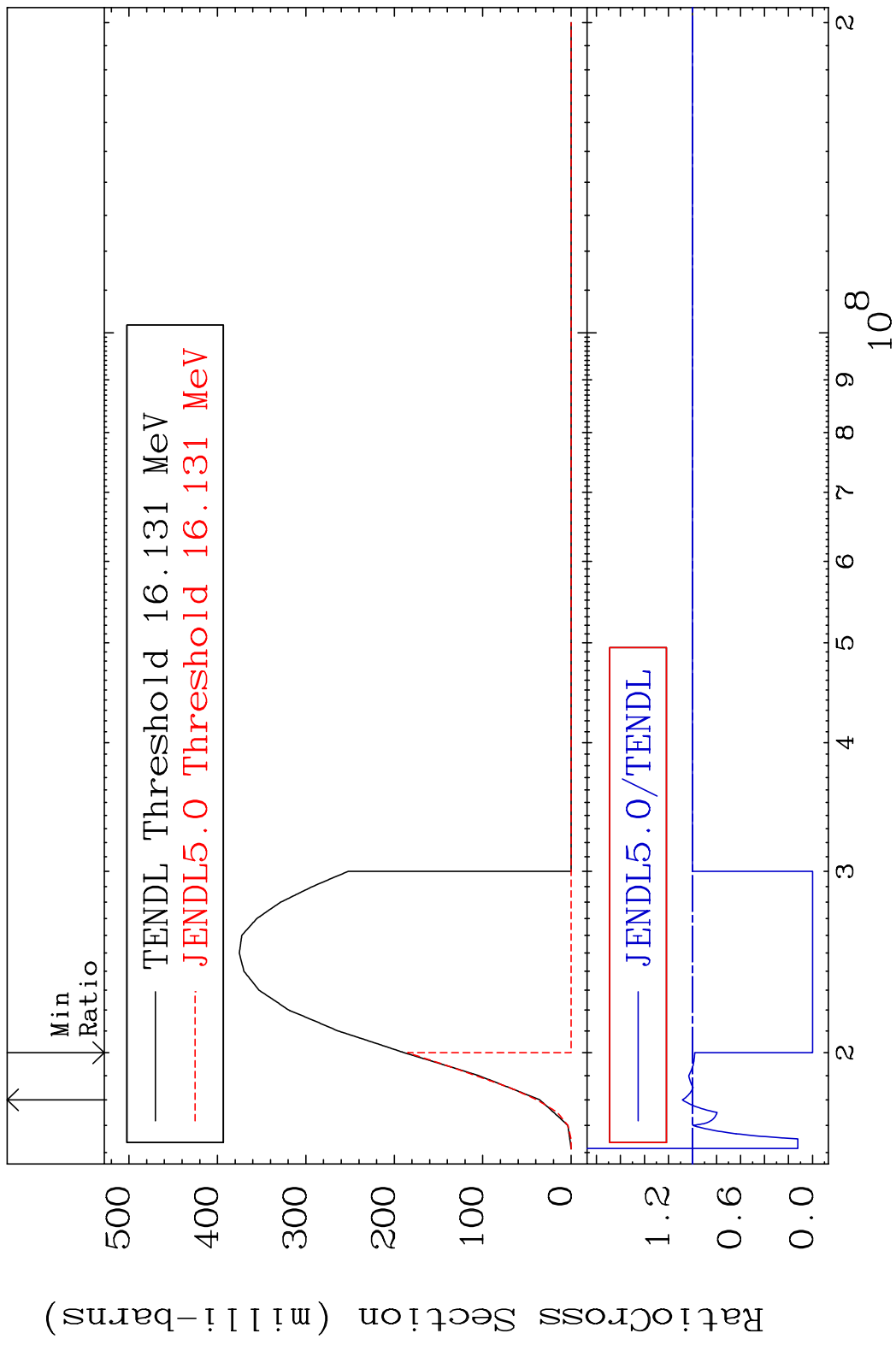


MAT 5646 (n, 2n):56-Ba-136m5 56-Ba-137
 Radionuclide Production Cross Section 180.000 %
 0.000 %

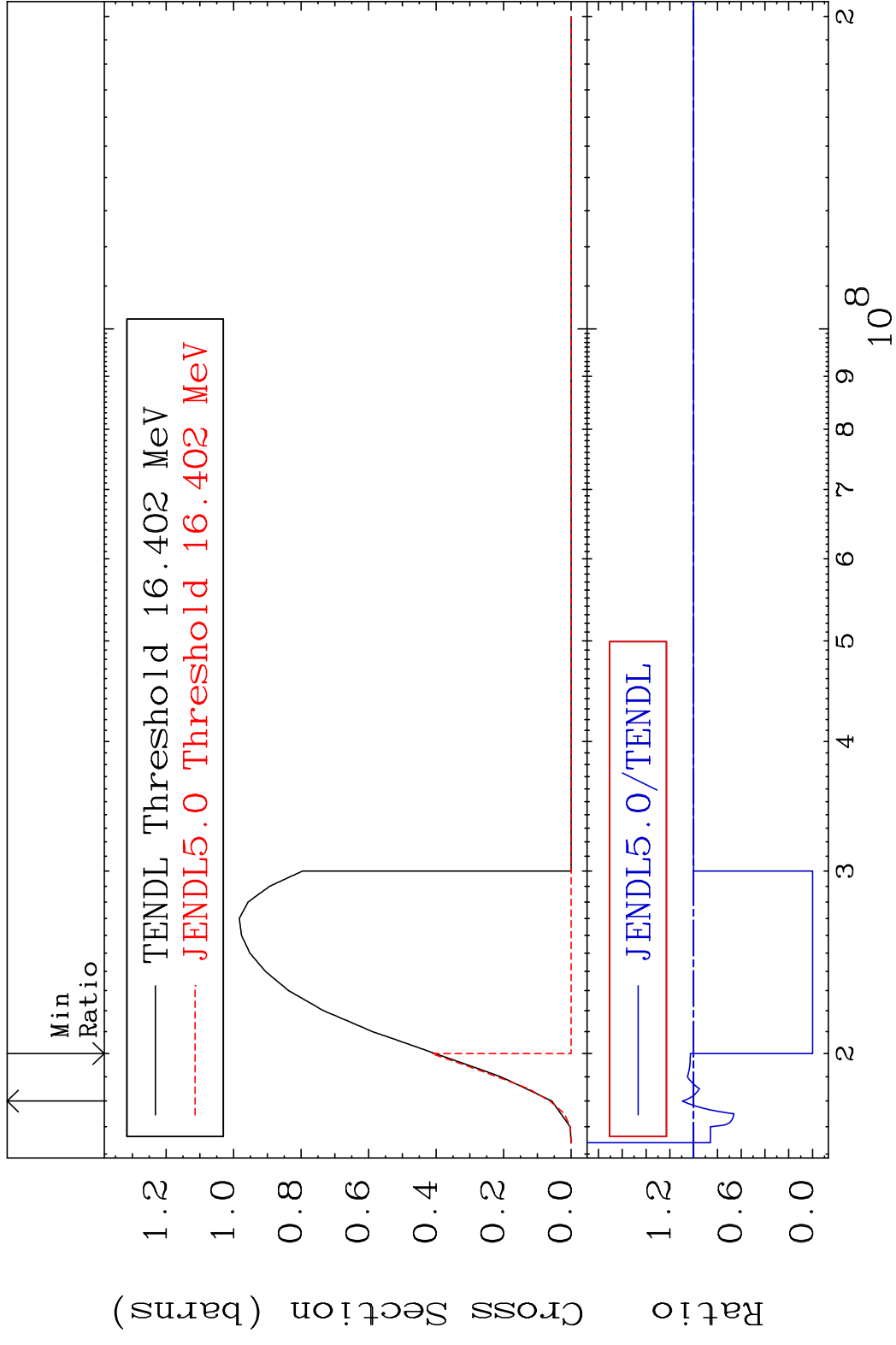


67 Incident Energy (eV) 56-Ba-137

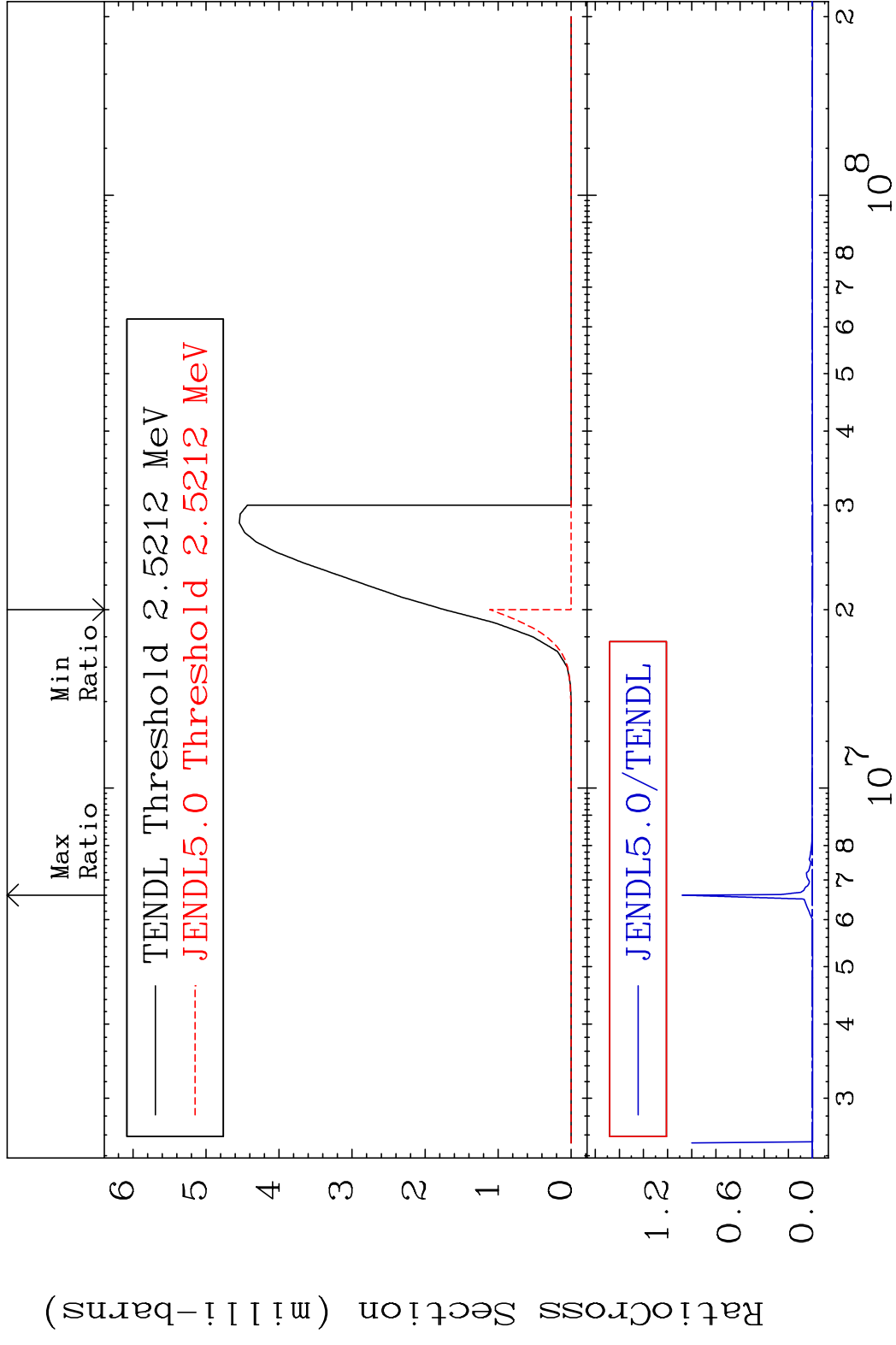
MAT 5646 (n,3n):56-Ba-135g 56-Ba-137
 Radionuclide Production Cross Section Ratio 8.432 %



MAT 5646 (n, 3n):56-Ba-135m2 56-Ba-137
 Radionuclide Production Cross Section 180.01 dth 9.473 %



MAT 5646 (n, n') α :54-Xe-133g 56-Ba-137
 Radionuclide Production Cross Section Ratio 9999. %



70 Incident Energy (eV) 56-Ba-137

