

Program Complot
(Version 2021-1)

by

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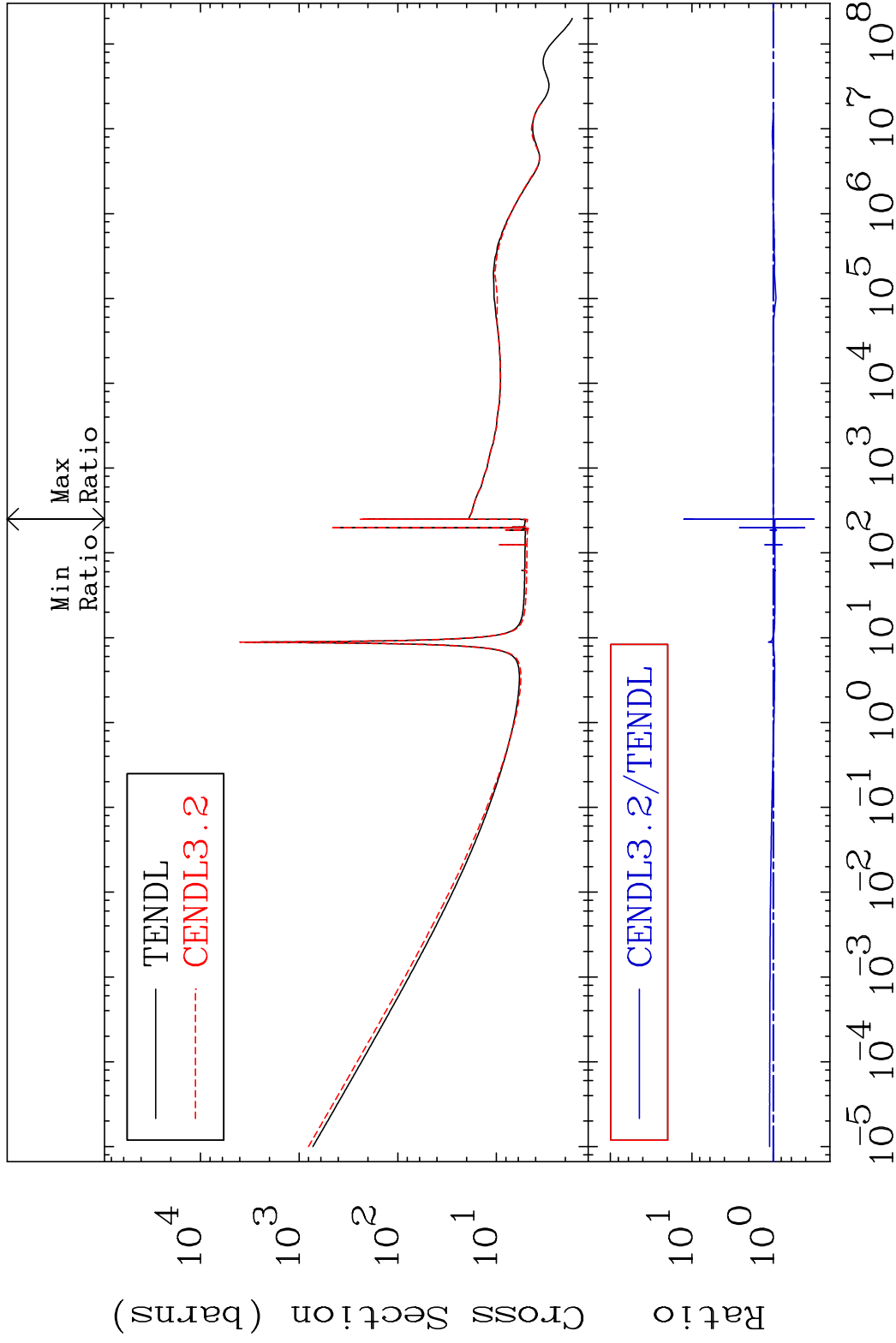
Press Mouse Button to Start

MAT 4246

Total

42-Mo-99

Cross Section -68.40 To 1161. %



1

Incident Energy (eV)

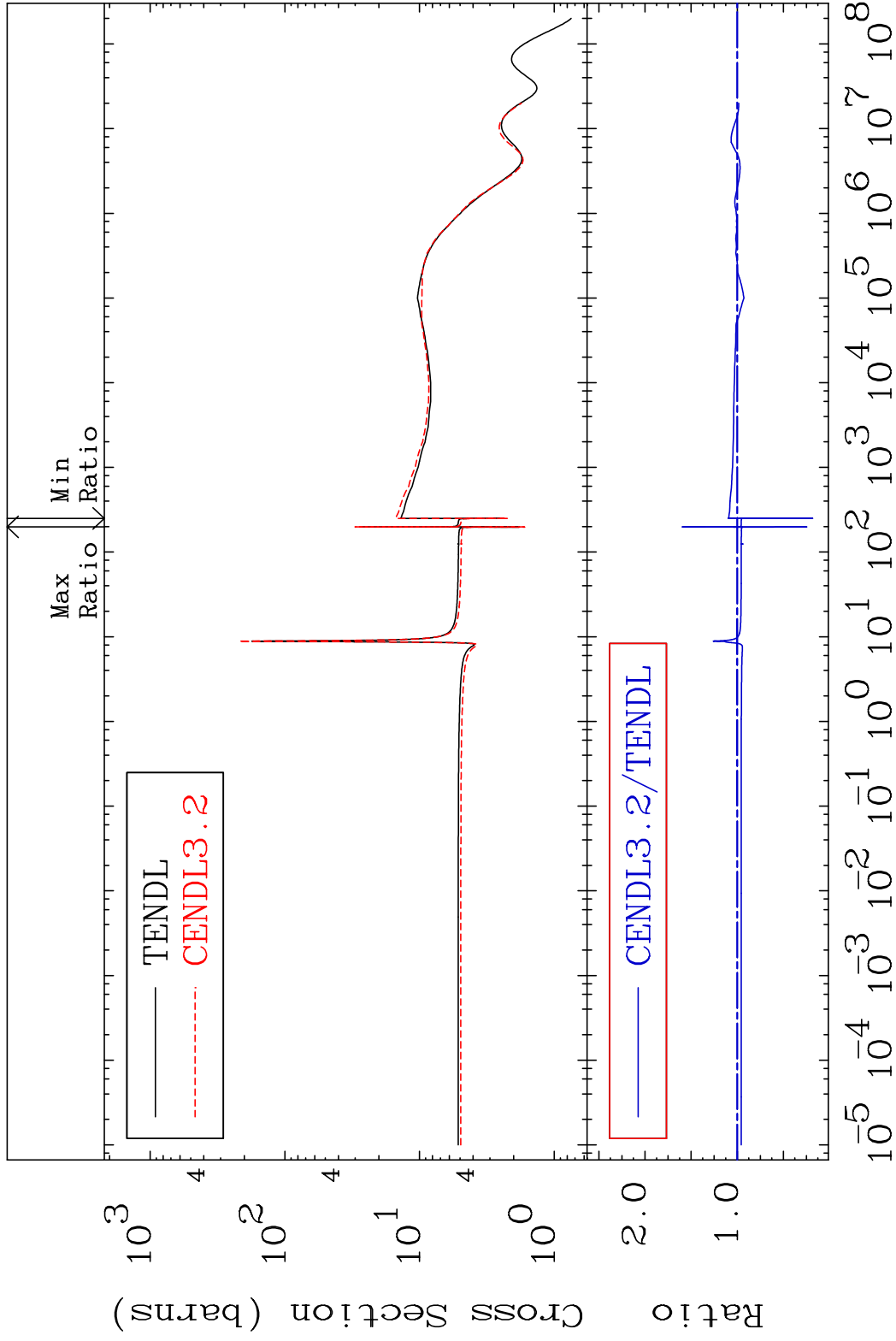
42-Mo-99

MAT 4246

Elastic

42-Mo-99

Cross Section -81.65 To 59.50 %

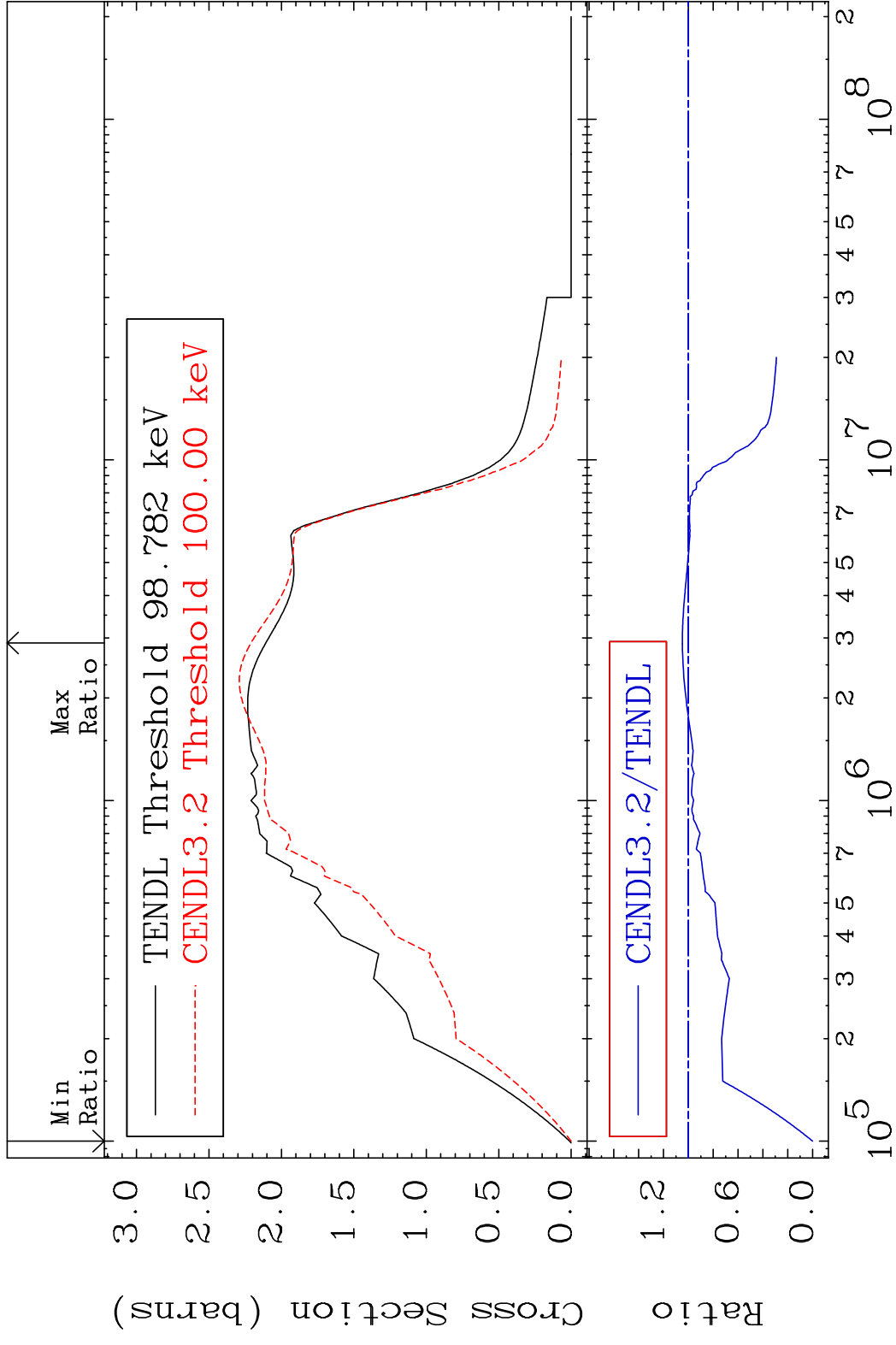


2

Incident Energy (eV)

42-Mo-99

MAT 4246 Inelastic Cross Section -100.0 To 4.841 % 42-Mo-99



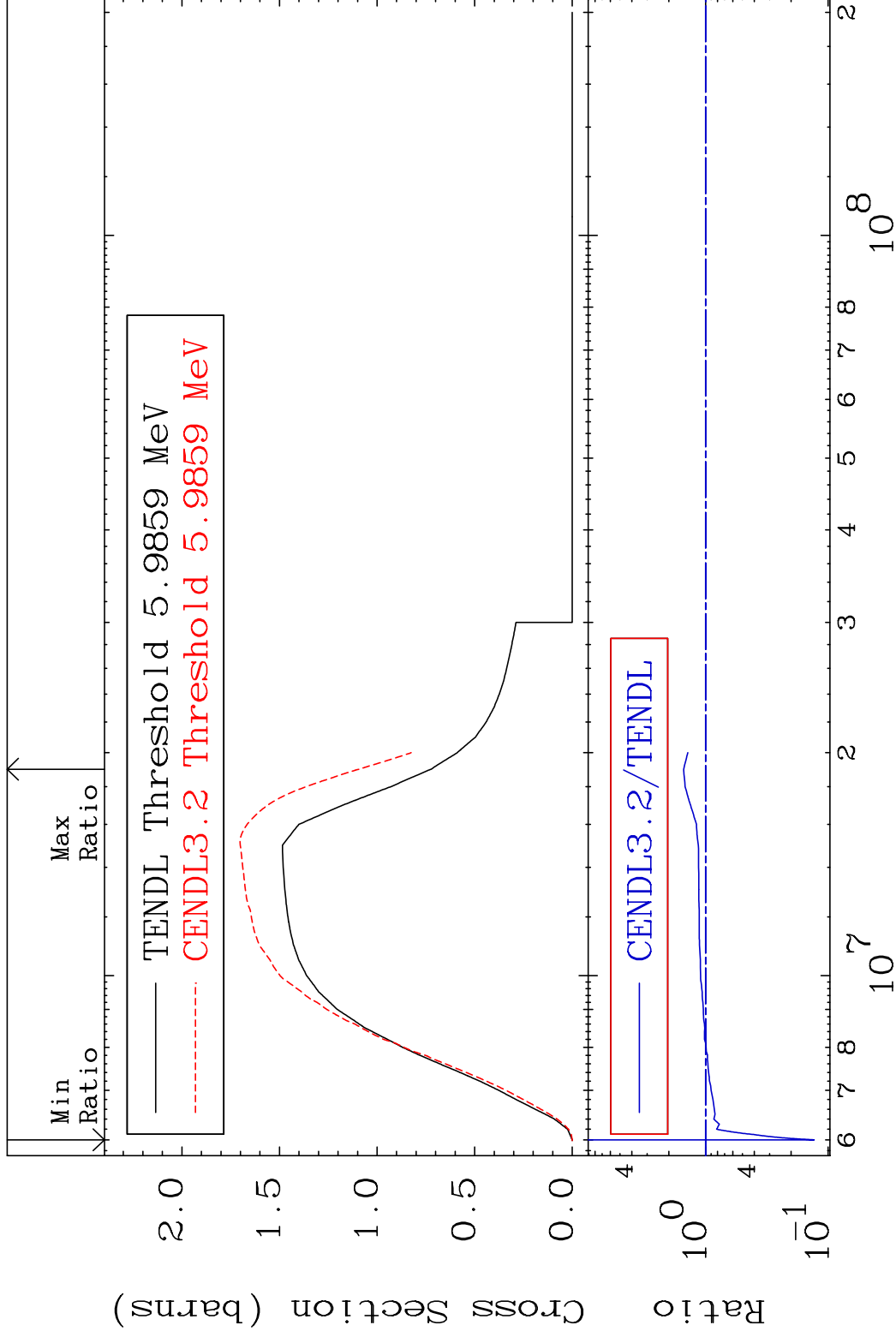
3 3 4 5 7 10⁶ 2 2 3 4 5 7 10⁷ 2 3 4 5 7 10⁸ 2 42-Mo-99

MAT 4246

(n,2n)

42-Mo-99

Cross Section -87.00 To 51.13 %



4

Incident Energy (eV)

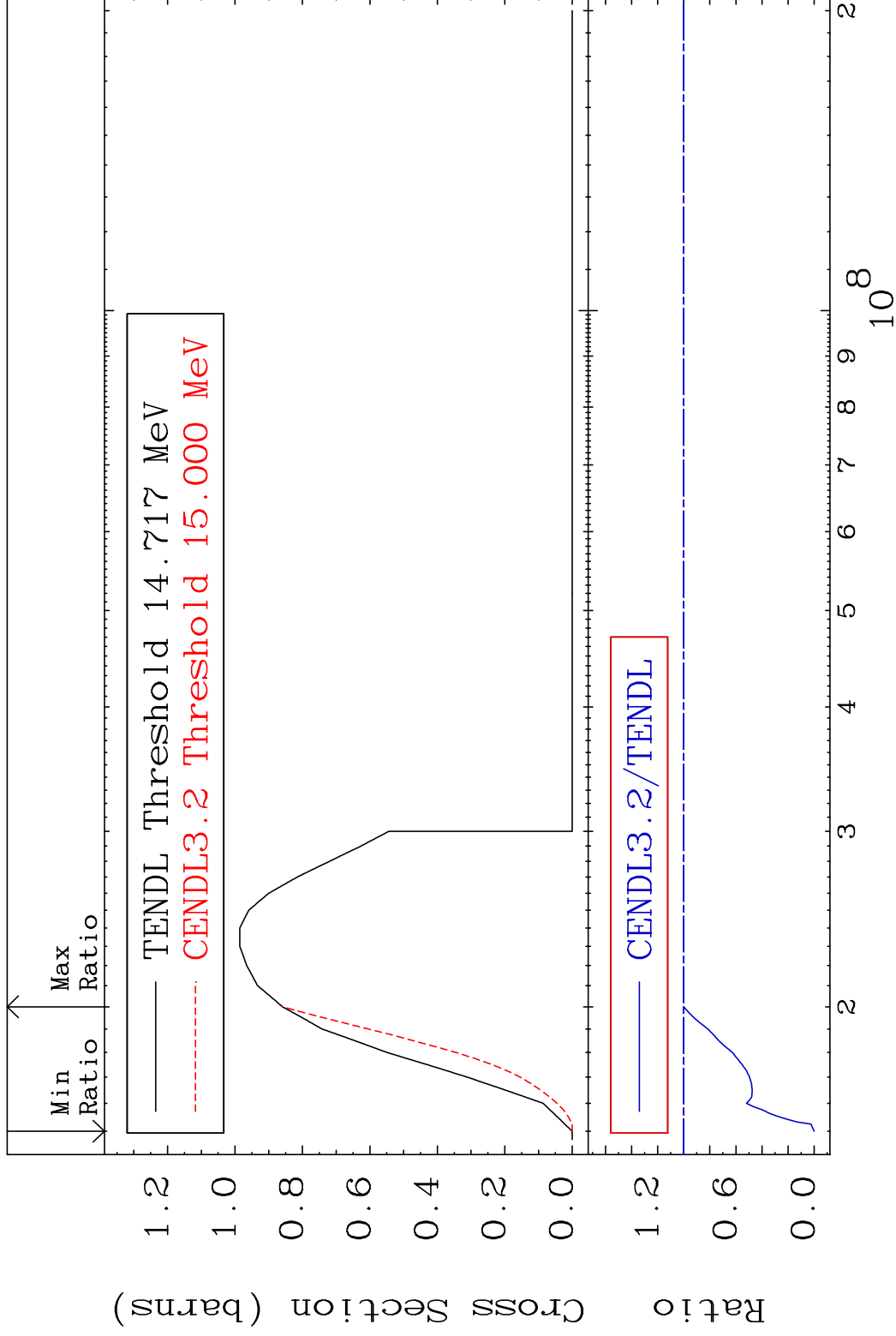
42-Mo-99

MAT 4246

(n,3n)

42-Mo-99

Cross Section -100.0 To 0.082 %



5

Incident Energy (eV)

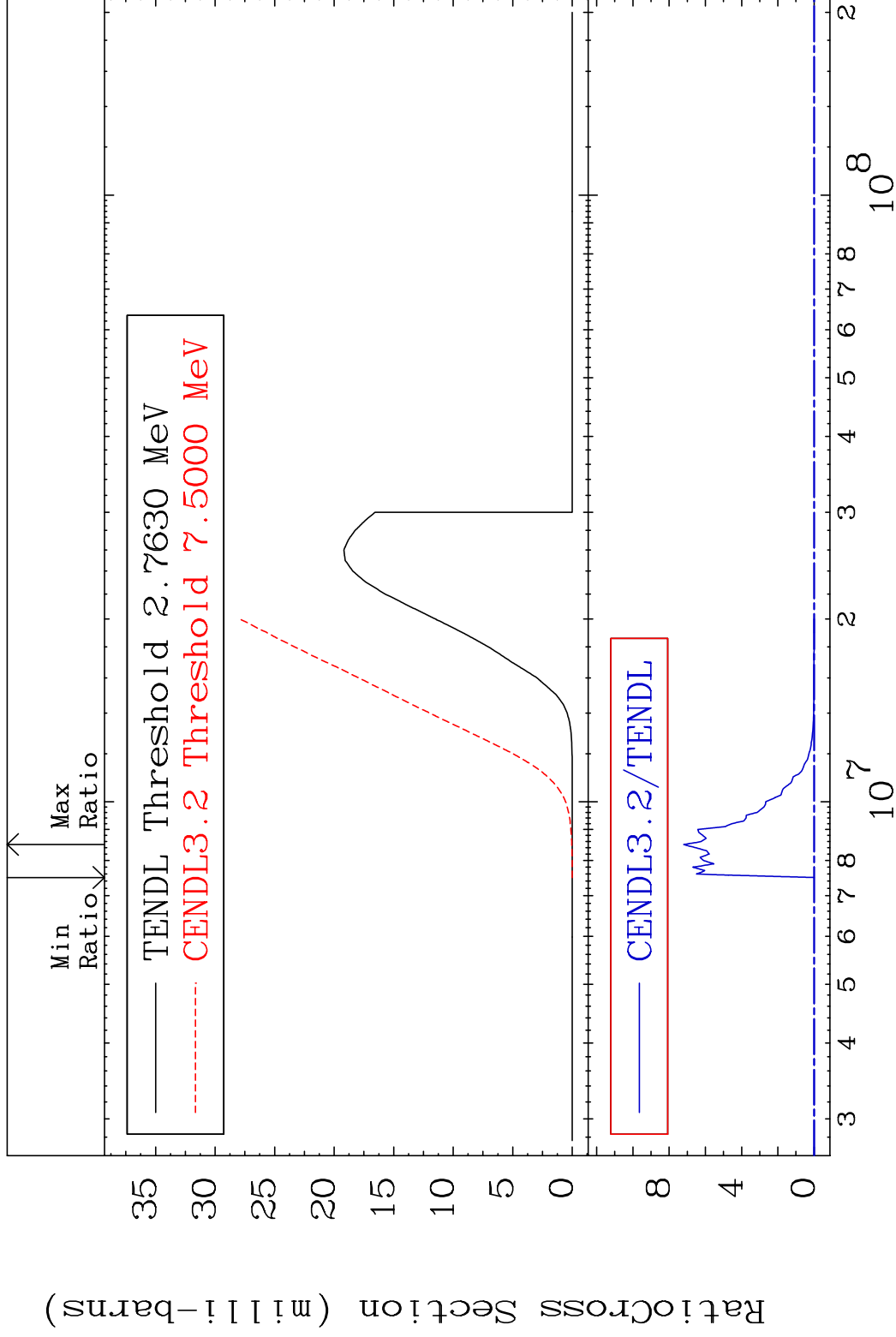
42-Mo-99

MAT 4246

(n, n') α

42-Mo-99

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

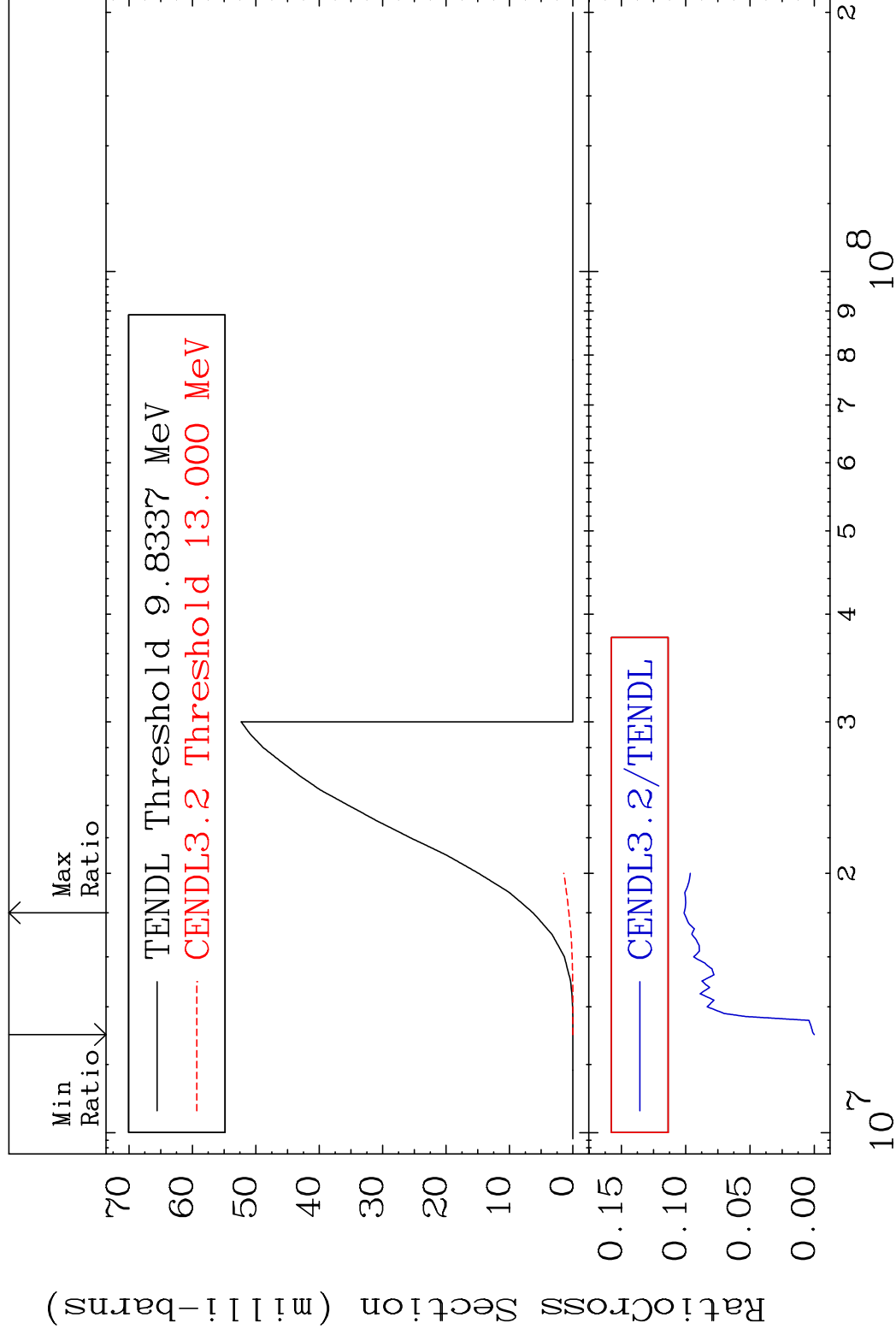
42-Mo-99

MAT 4246

(n, n') p

42-Mo-99

Cross Section -100.0 To -89.88%

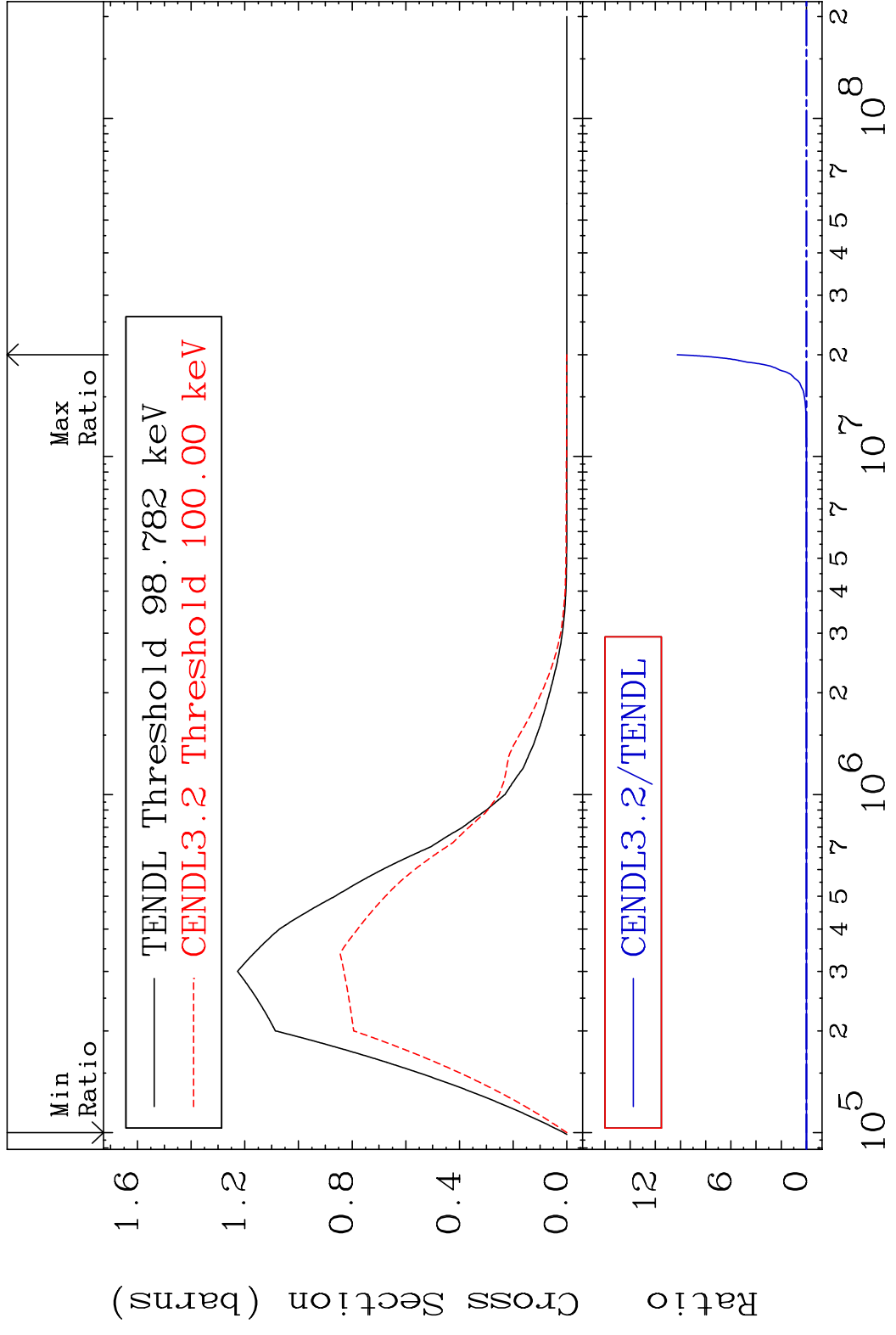


7

Incident Energy (eV)

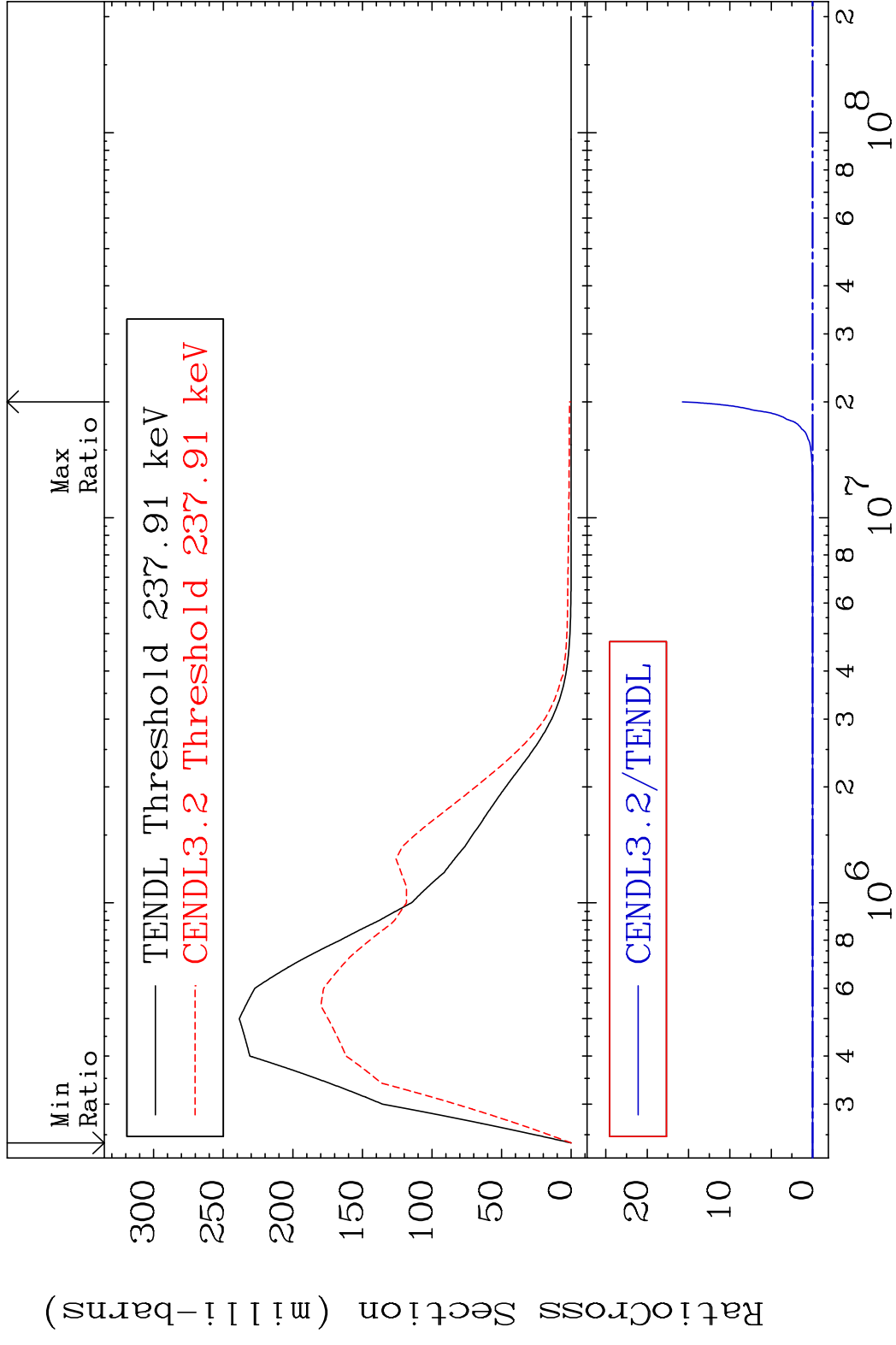
42-Mo-99

MAT 4246 MT= 51 (n,n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %

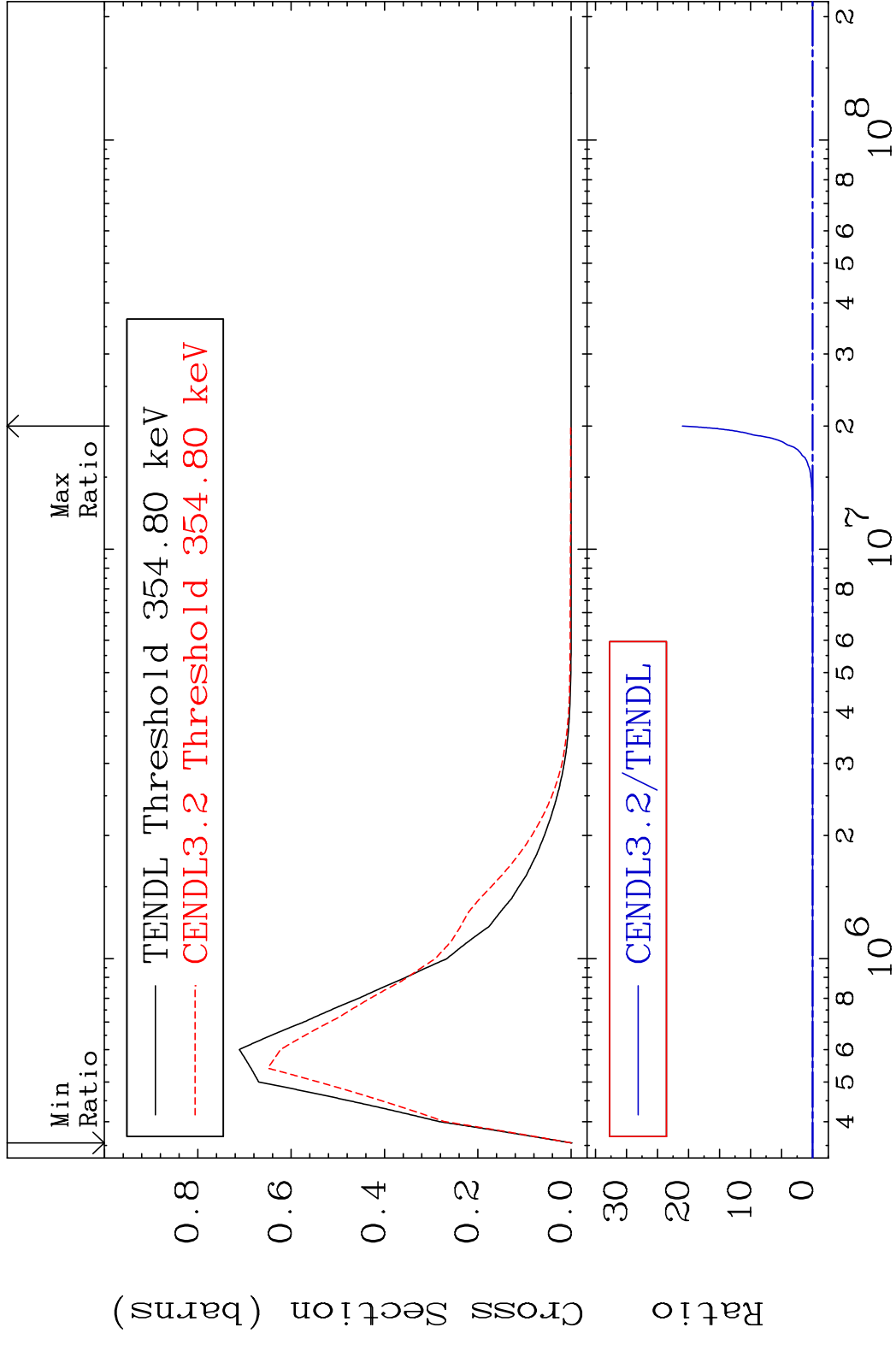


8 10⁵ 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 2 42-Mo-99

MAT 4246 MT= 52 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %

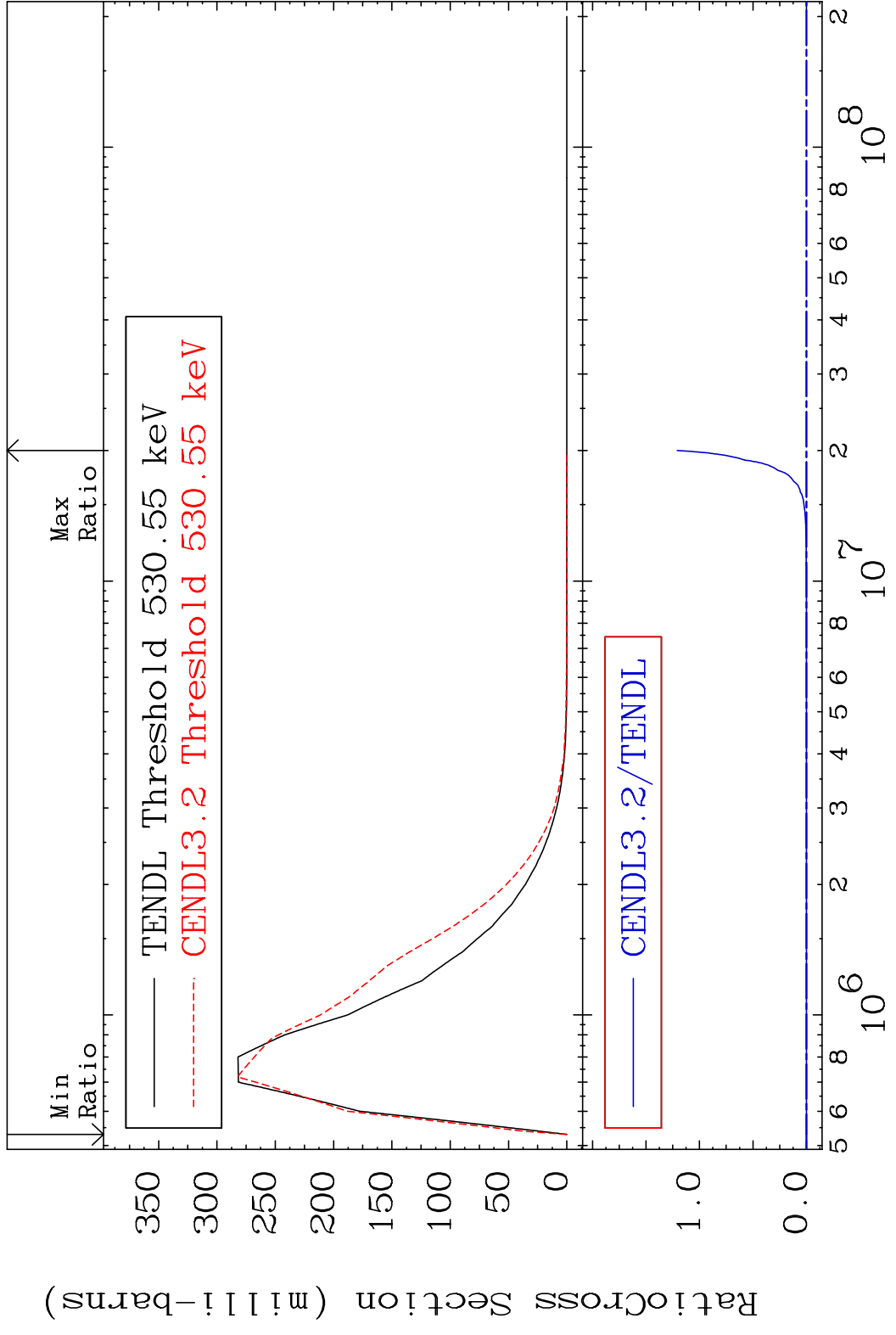


MAT 4246 MT= 53 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %

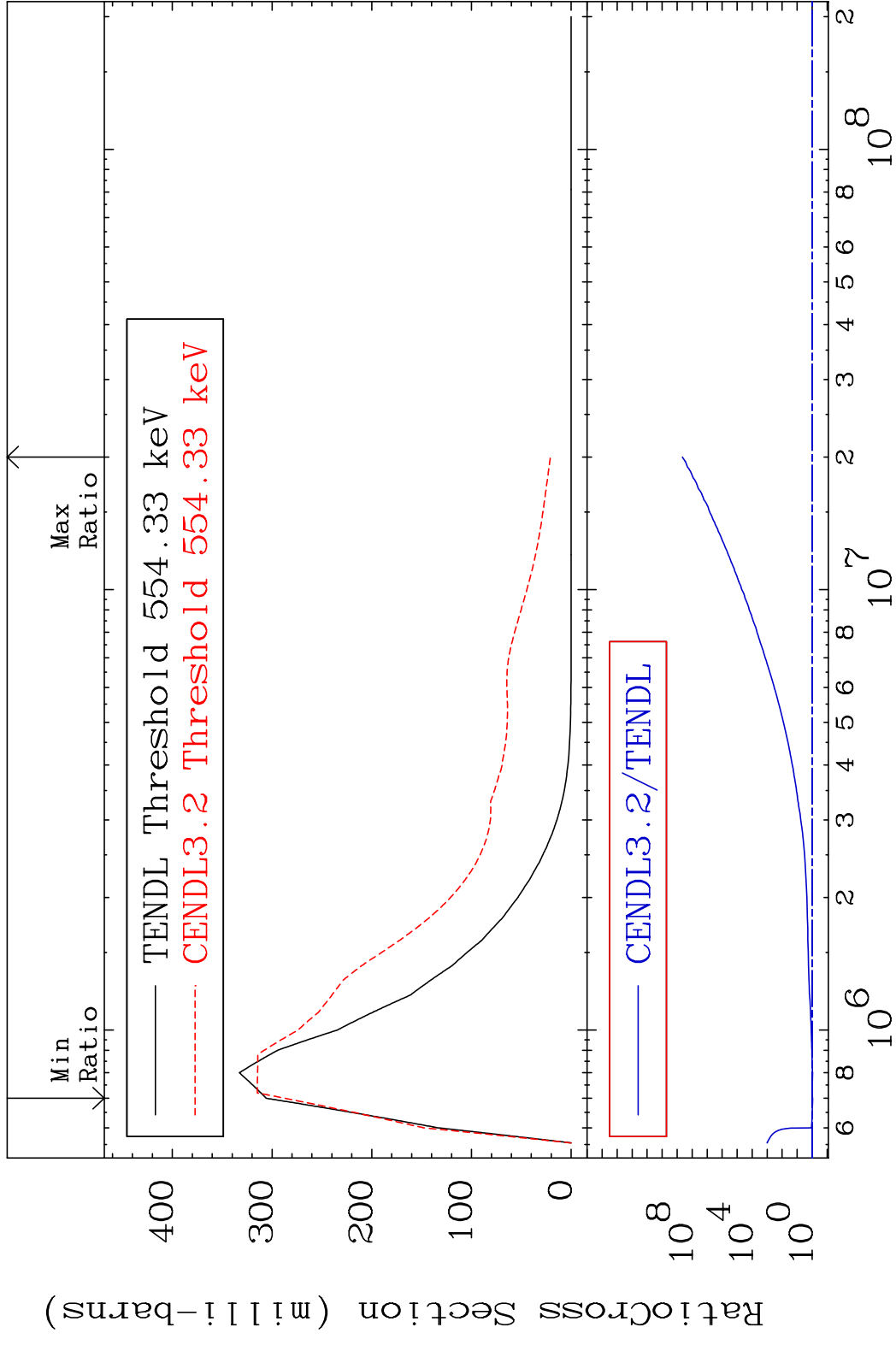


10 Incident Energy (eV) 42-Mo-99

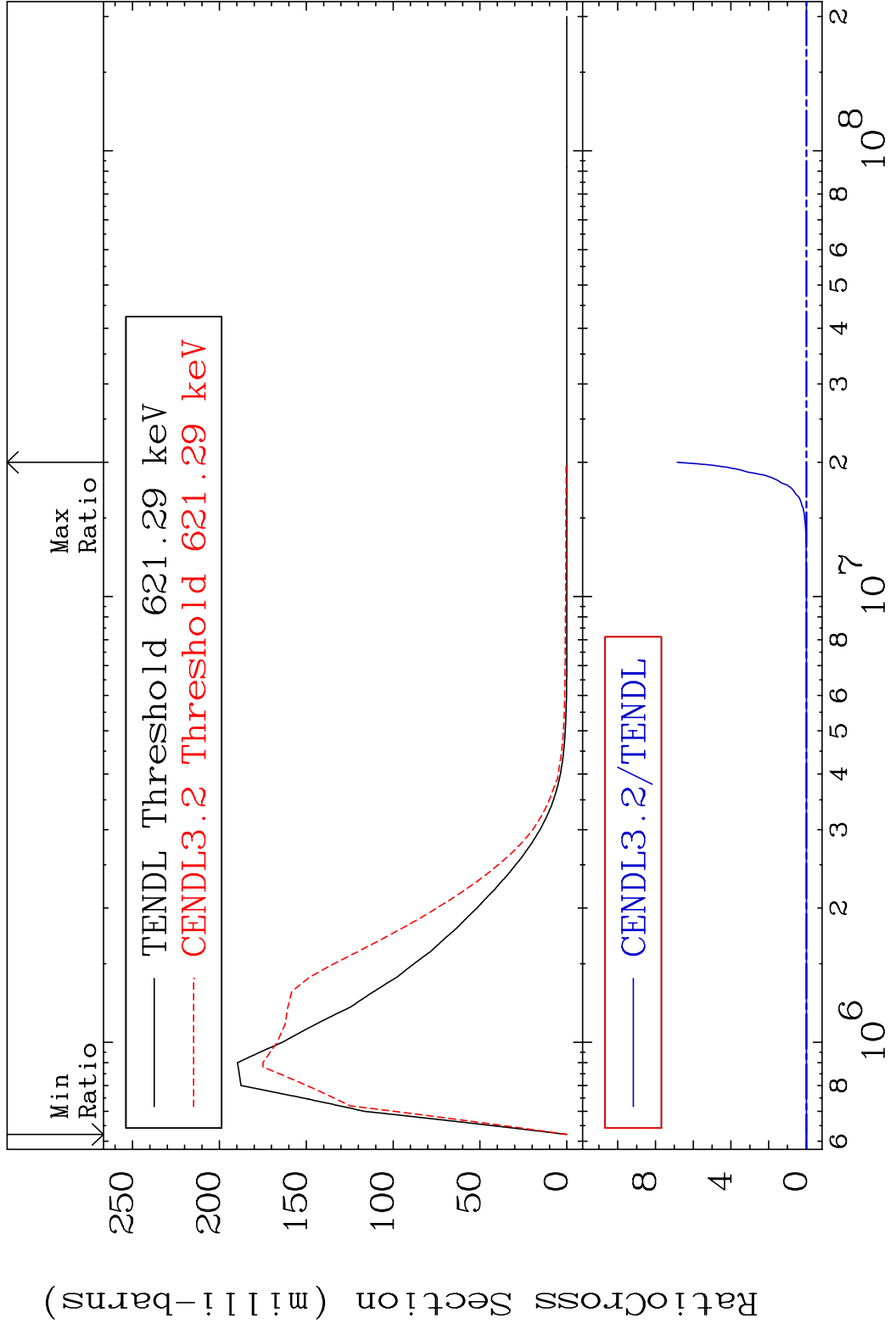
MAT 4246 MT= 54 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



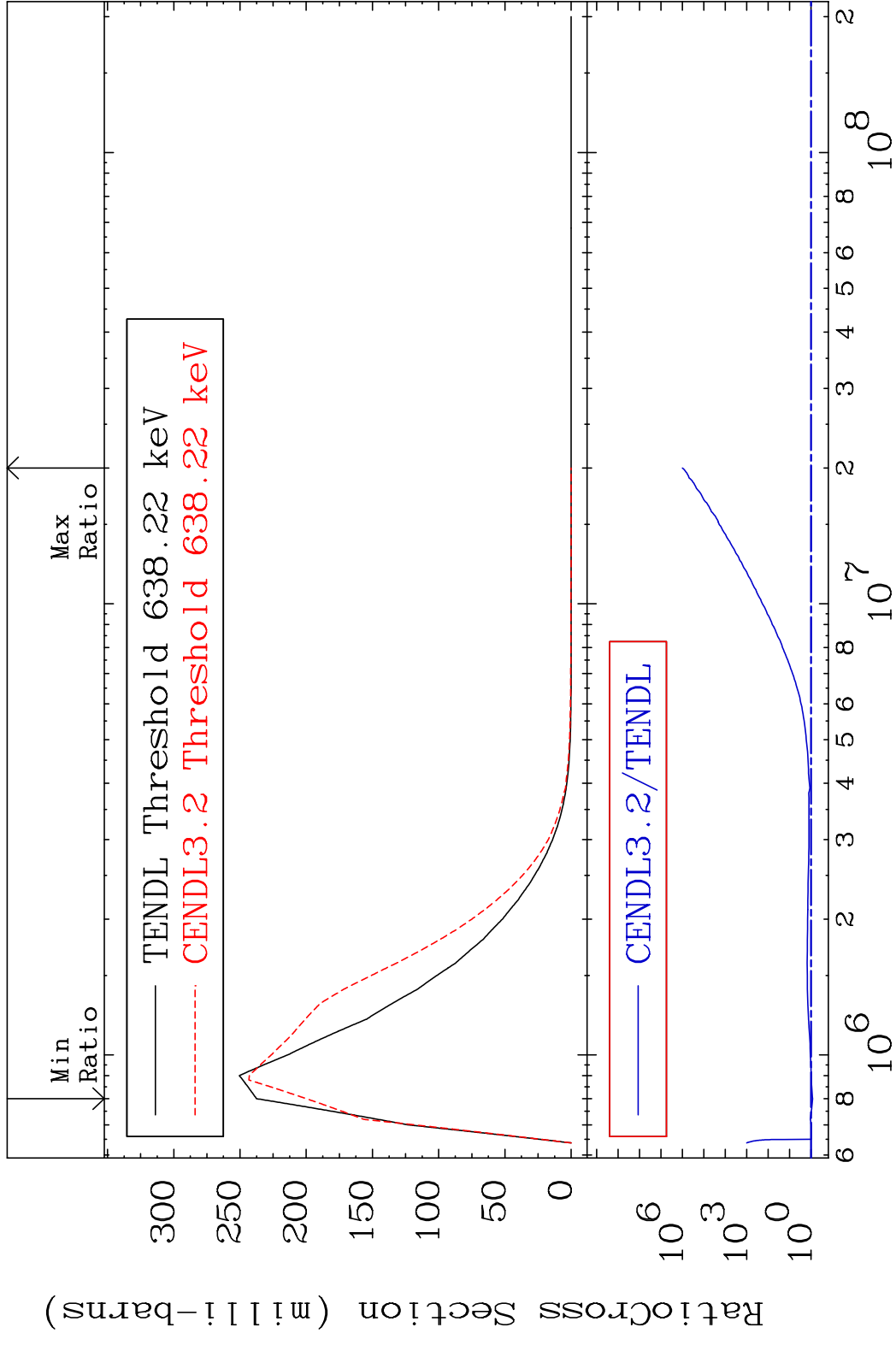
MAT 4246 MT= 55 (n, n') Level 42-Mo-99
 Cross Section -6.120 To 9999. %



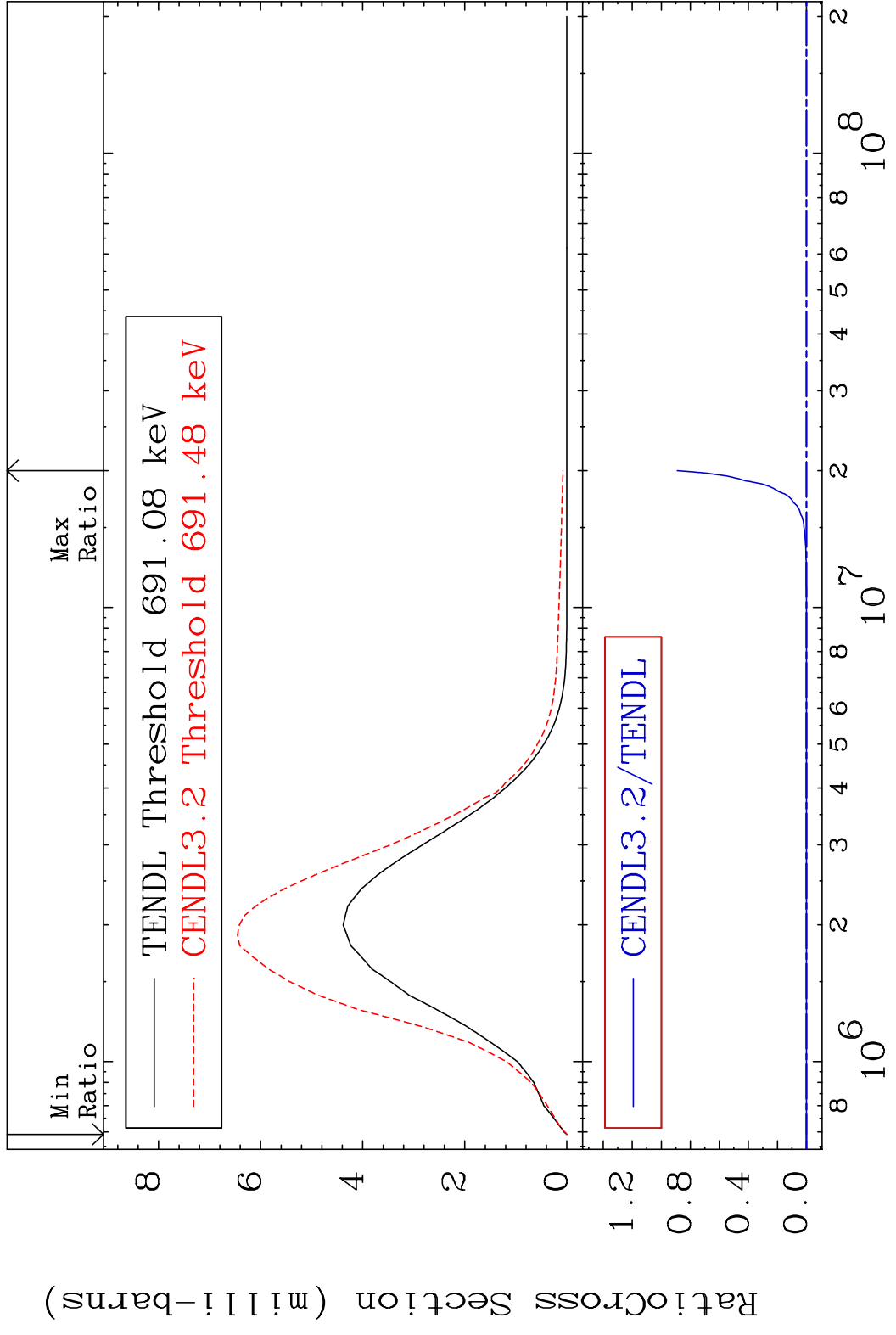
MAT 4246 MT= 56 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



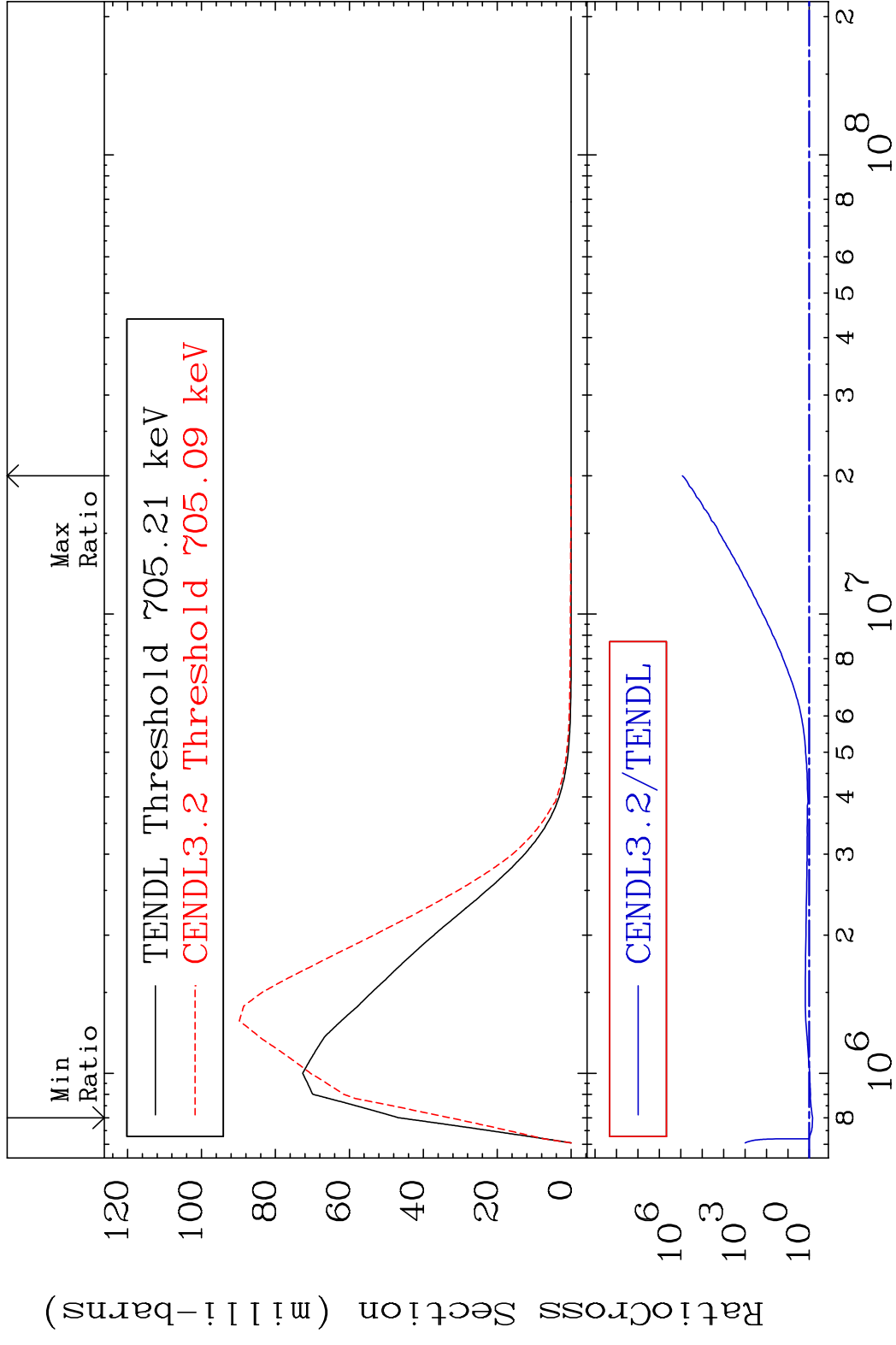
MAT 4246 MT= 57 (n, n') Level 42-Mo-99
 Cross Section -15.82 To 9999. %



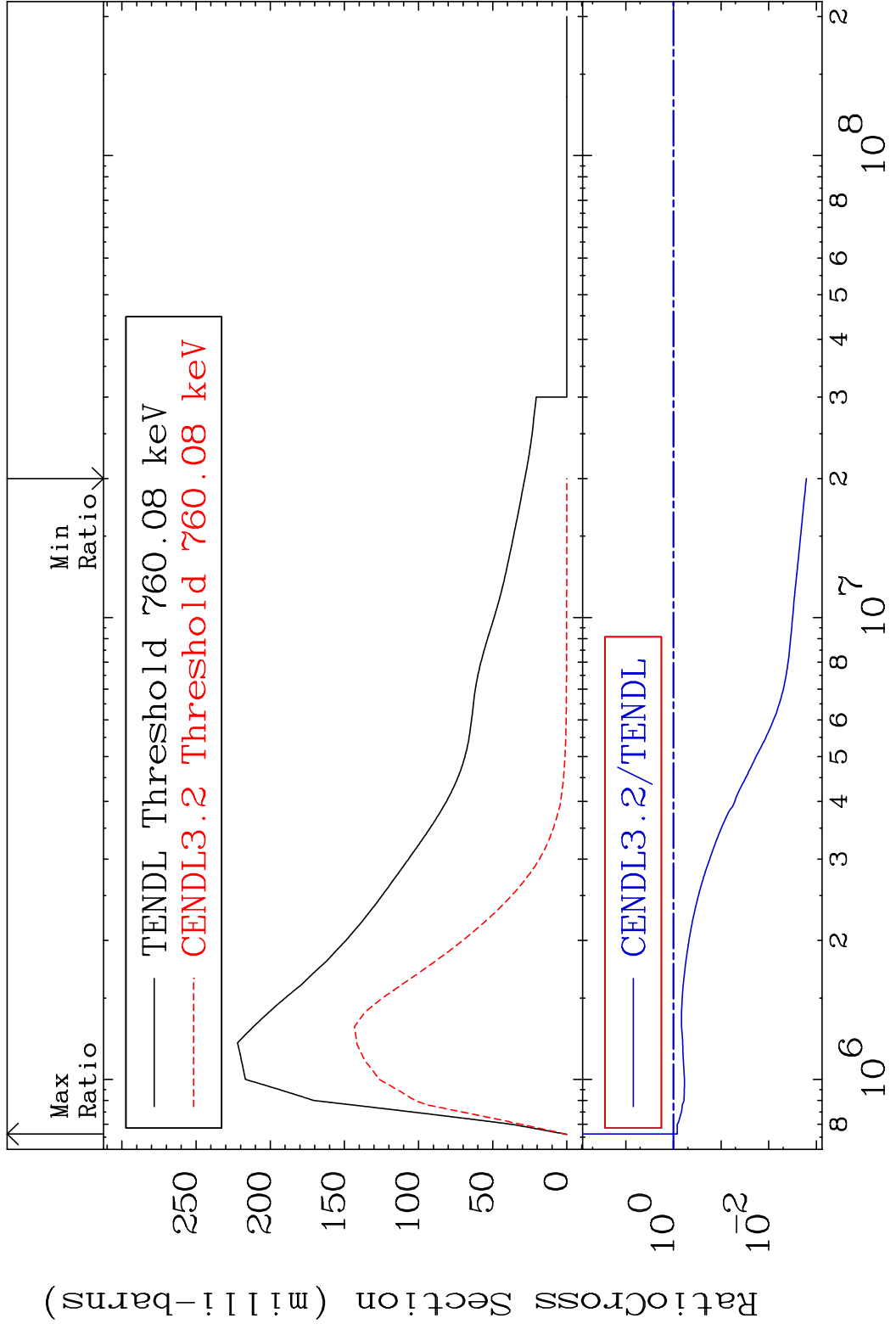
MAT 4246 MT= 58 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



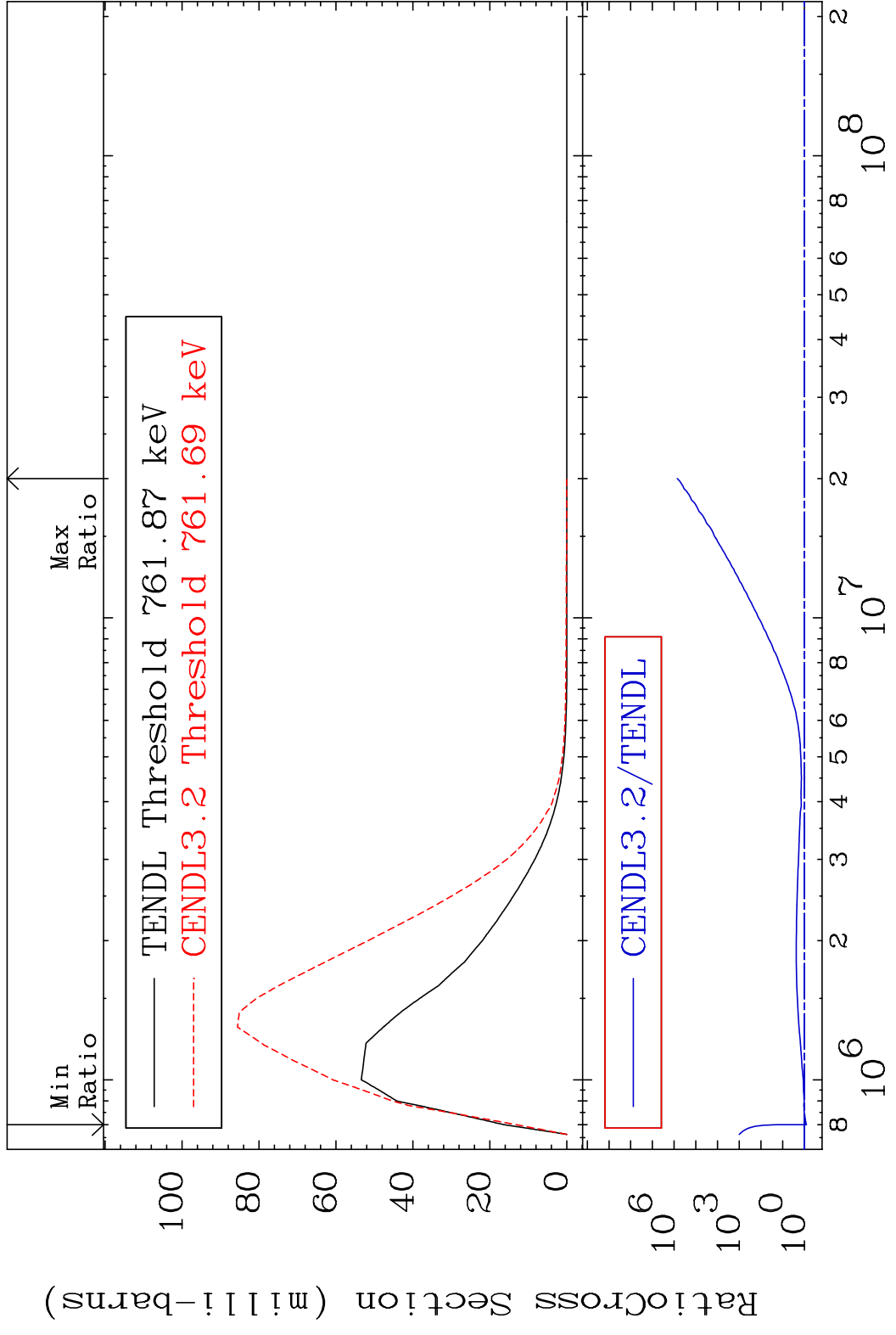
MAT 4246 MT= 59 (n, n') Level 42-Mo-99
 Cross Section -29.64 To 9999. %



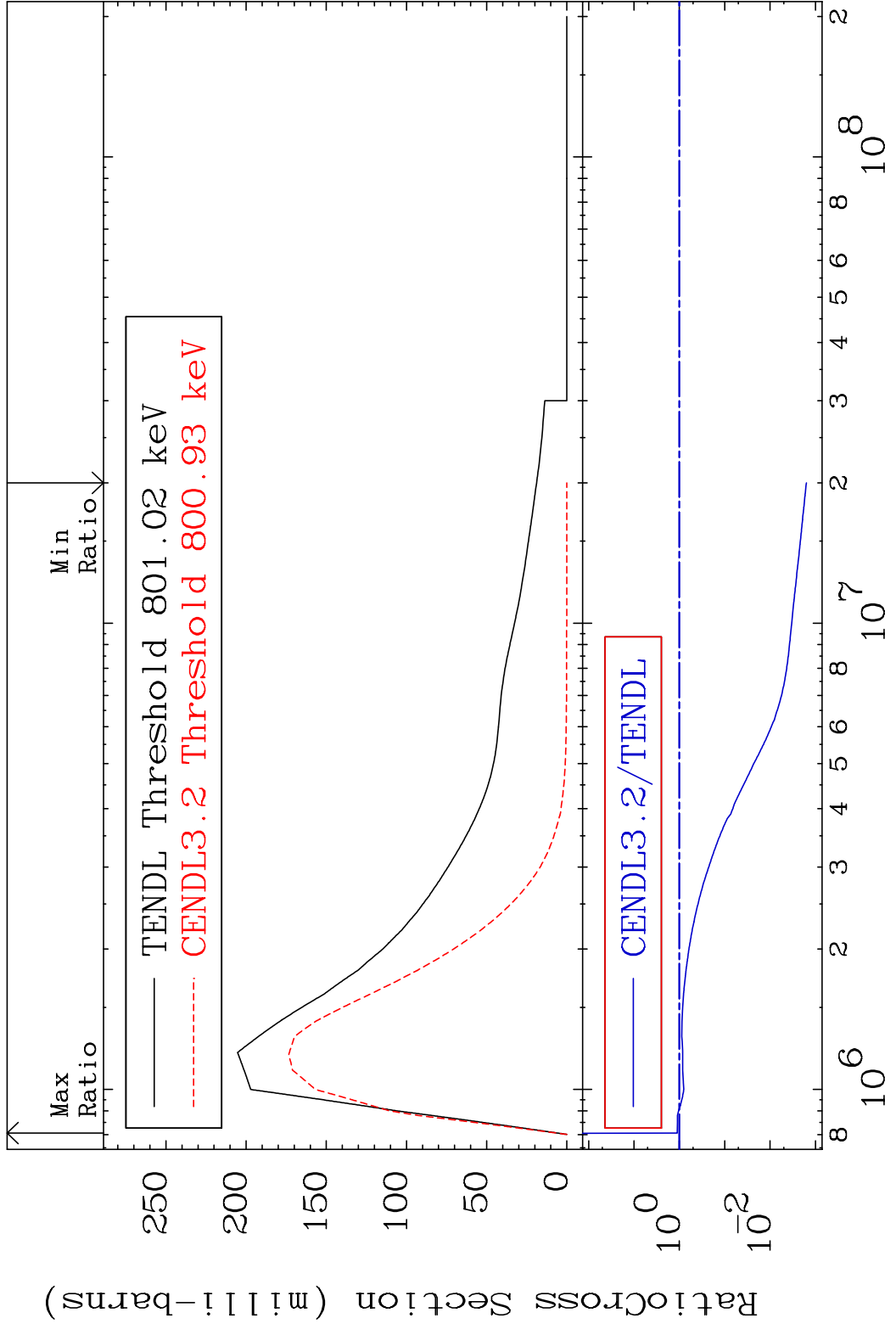
MAT 4246 MT= 60 (n, n') Level 42-Mo-99
 Cross Section -99.84 To -16.69%



MAT 4246 MT= 61 (n, n') Level 42-Mo-99
 Cross Section -19.05 To 9999. %

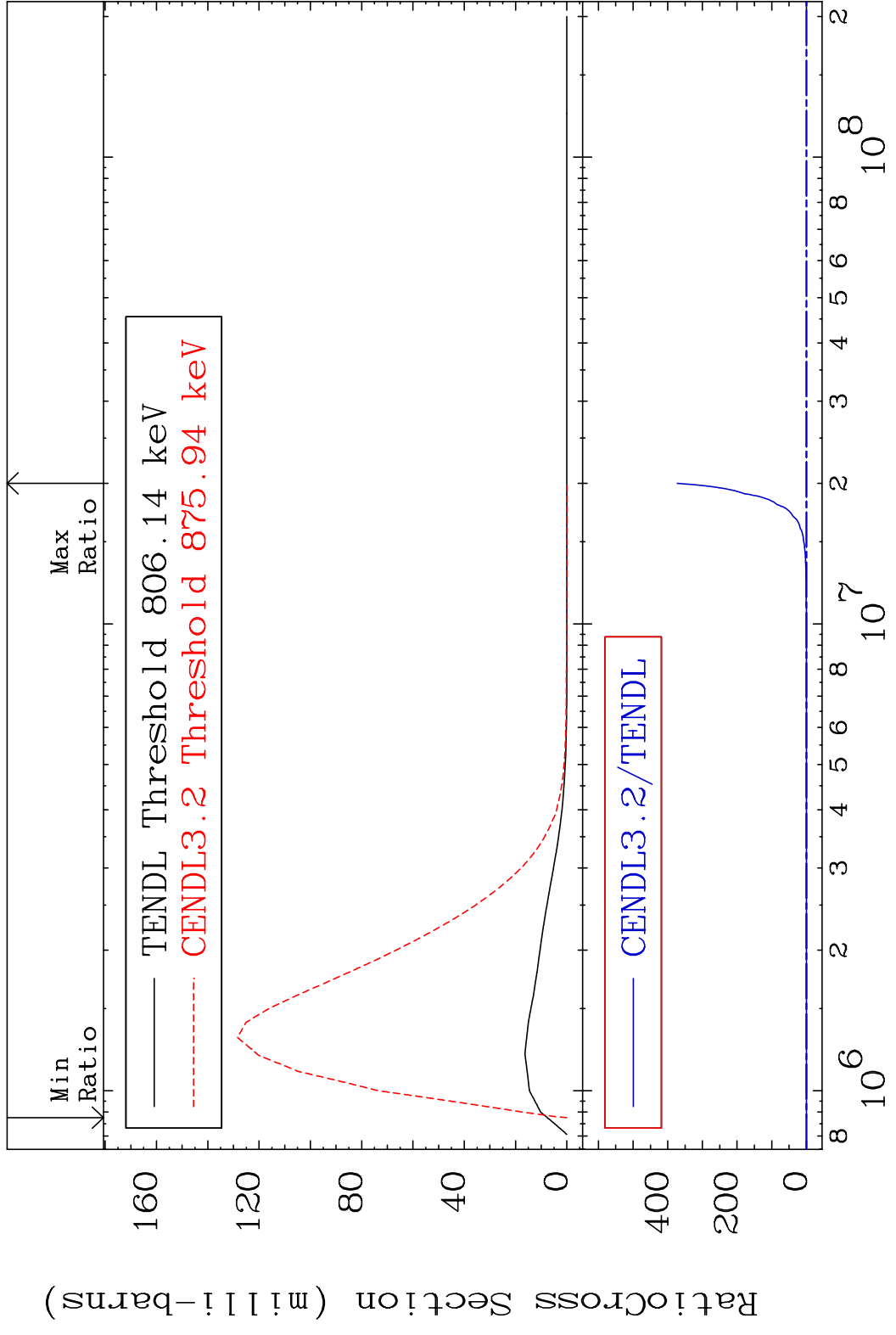


MAT 4246 MT= 62 (n, n') Level 42-Mo-99
 Cross Section -99.84 To 11.66 %

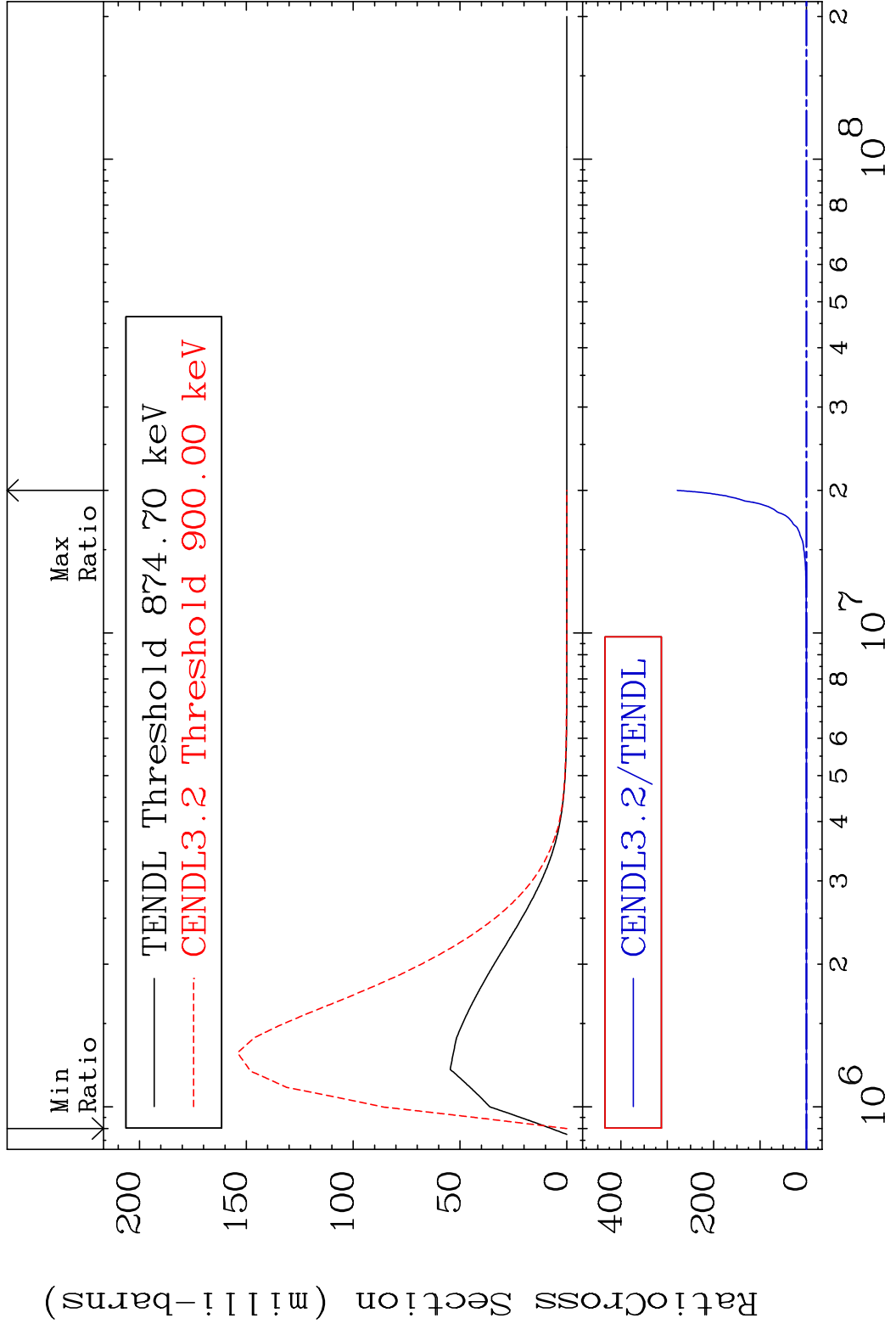


19 Incident Energy (eV) 42-Mo-99

MAT 4246 MT= 63 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



MAT 4246 MT= 64 (n, n') Level 42-Mo-99
 Cross Section -100.0 To 9999. %



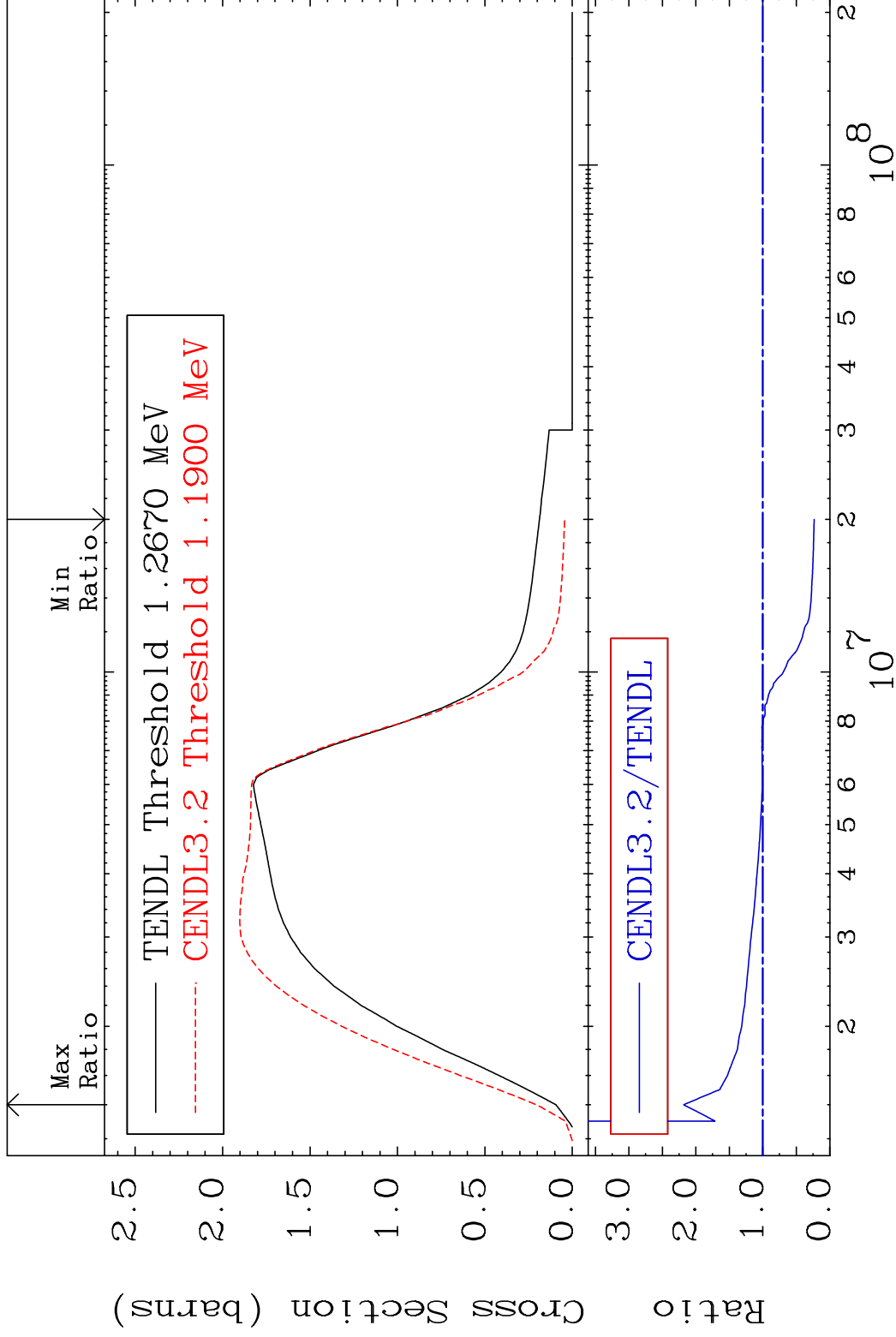
21 Incident Energy (eV) 42-Mo-99

MAT 4246

(n, n') Continuum

42-Mo-99

Cross Section -76.71 To 118.2 %

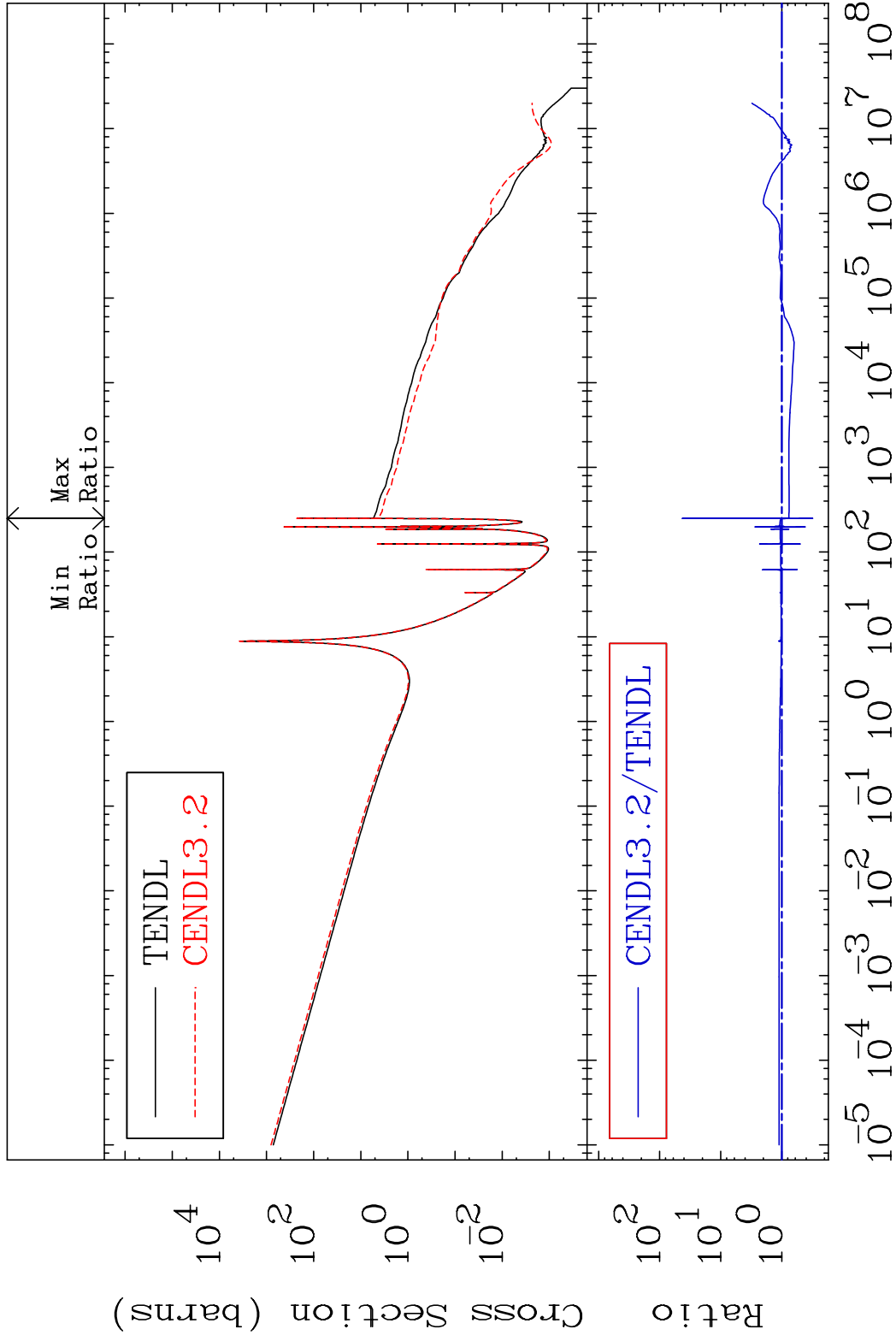


MAT 4246

(n, γ)

42-Mo-99

Cross Section -68.62 To 4155. %



23

Incident Energy (eV)

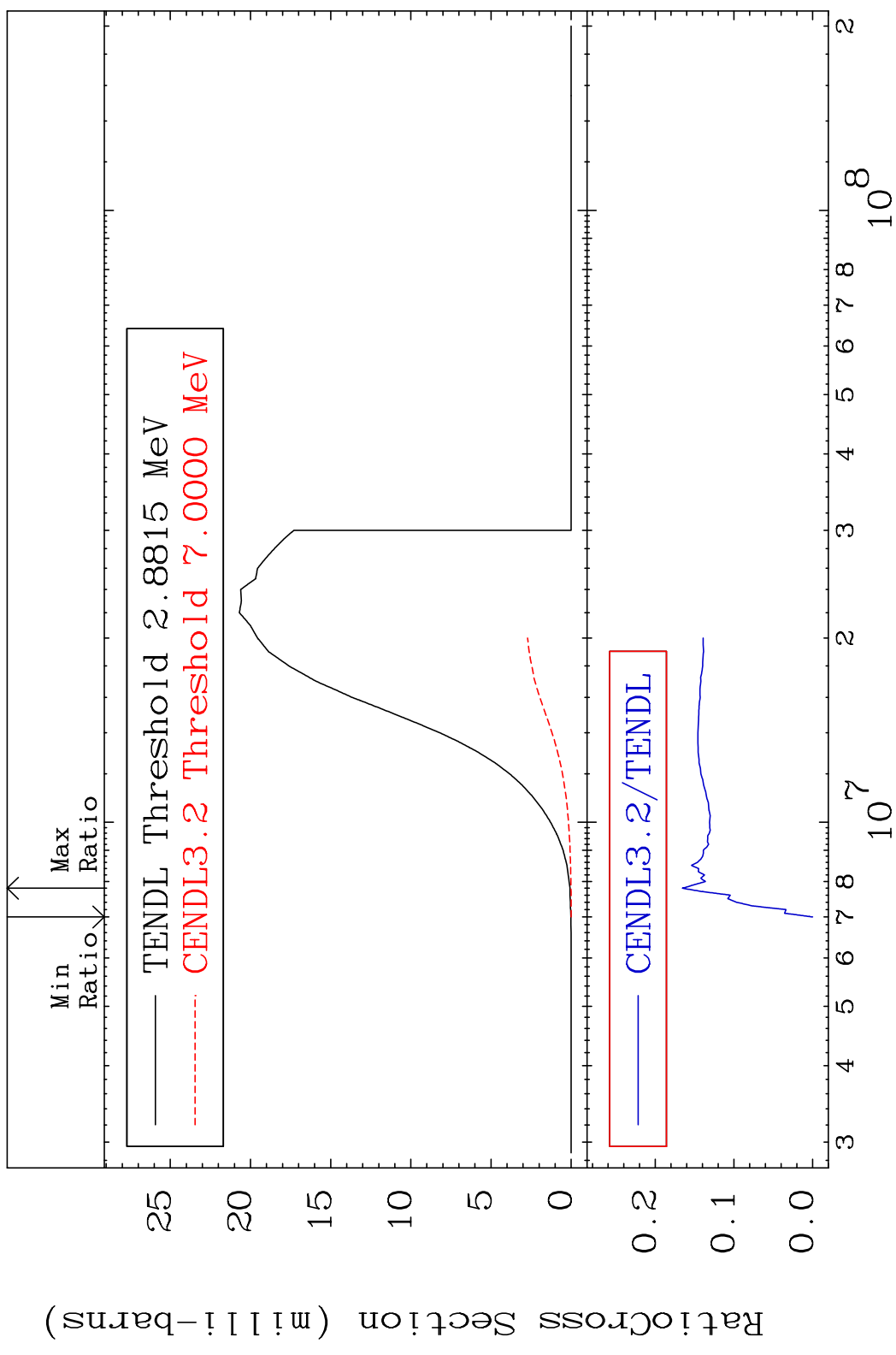
42-Mo-99

MAT 4246

(n, p)

42-Mo-99

Cross Section -100.0 To -83.44%

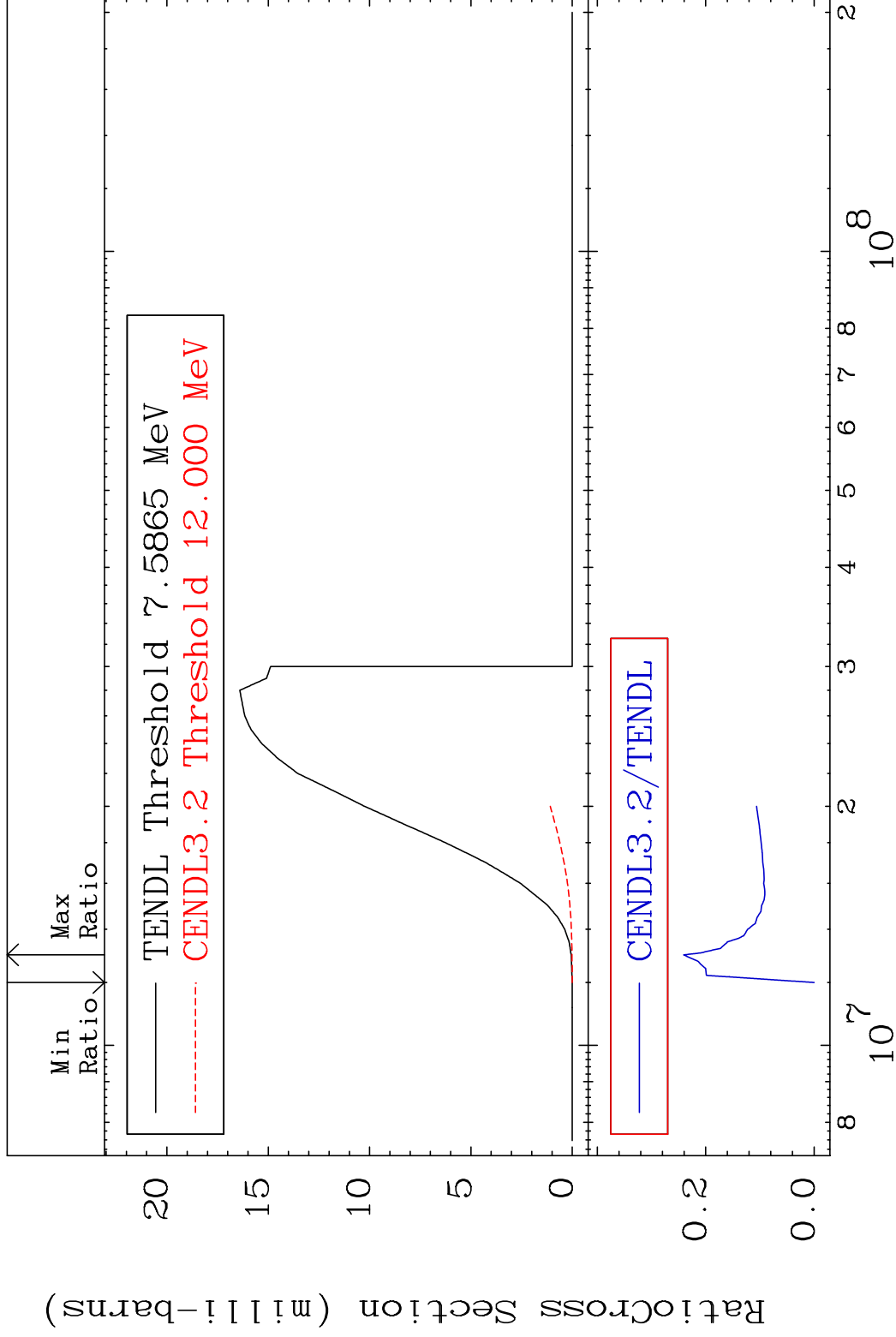


MAT 4246

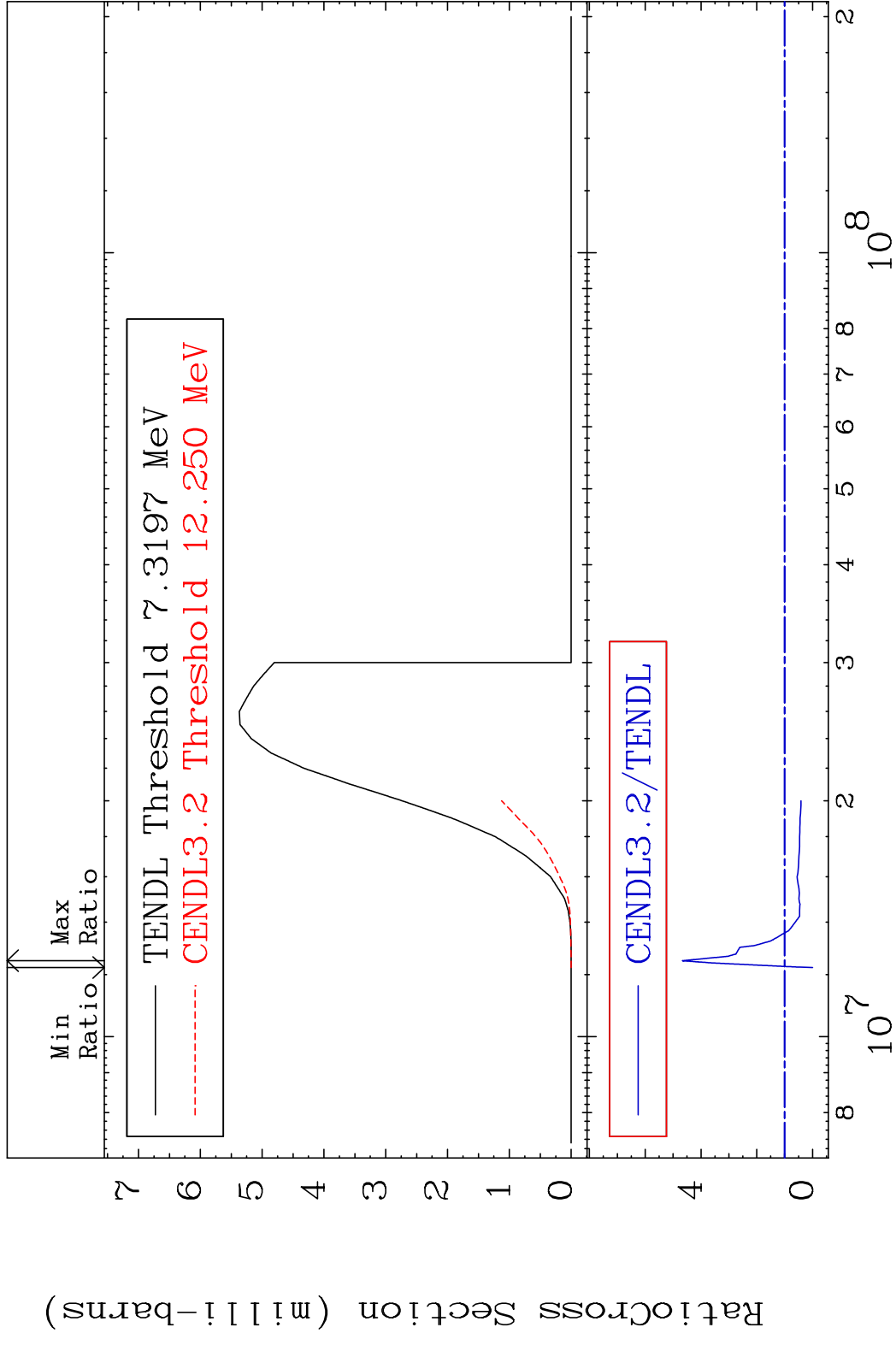
(n,d)

42-Mo-99

Cross Section -100.0 To -75.93%



MAT 4246 (n, t) 42-Mo-99
 Cross Section -100.0 To 366.8 %

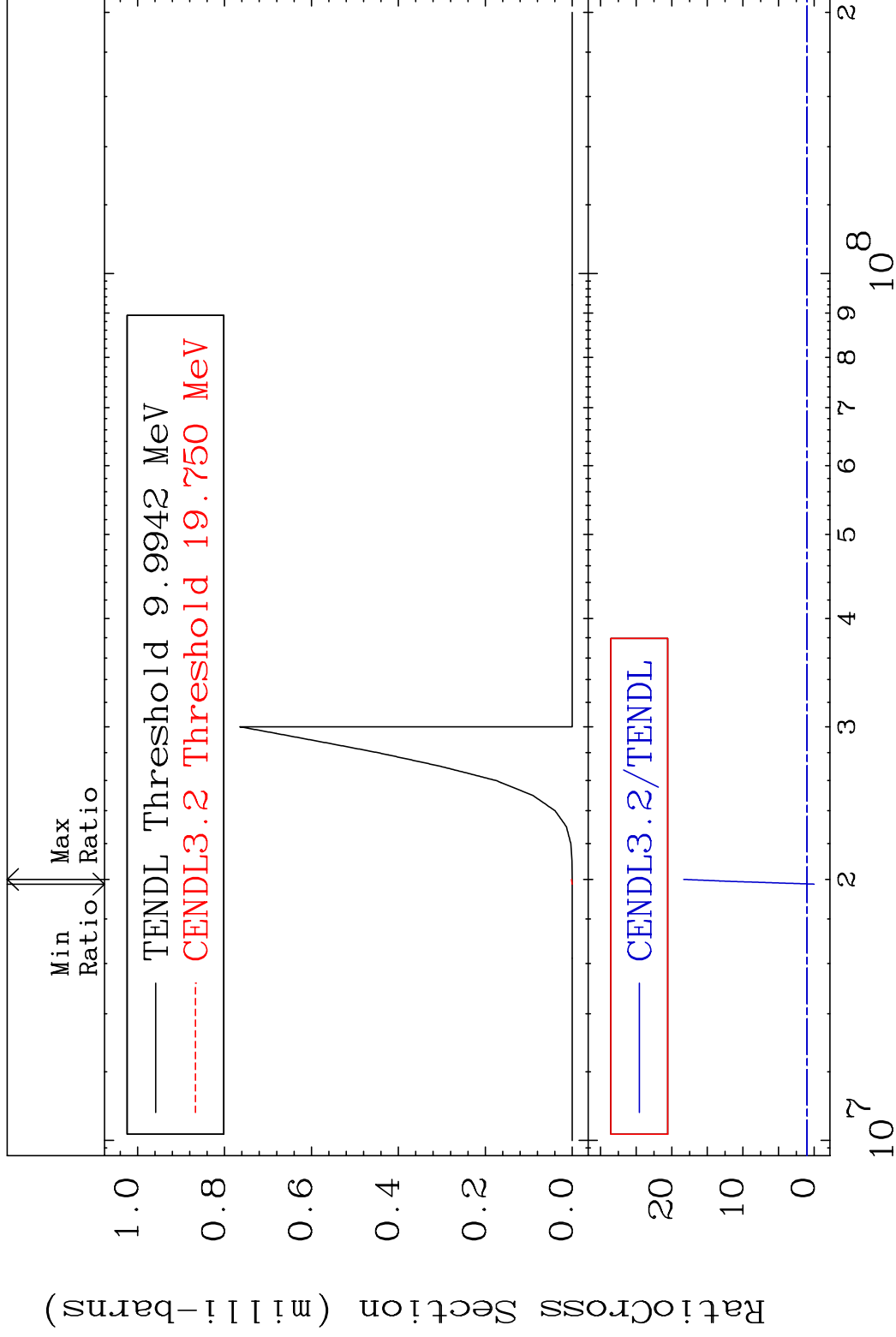


MAT 4246

(n, He-3)

42-Mo-99

Cross Section -100.0 To 1733. %



27

Incident Energy (eV)

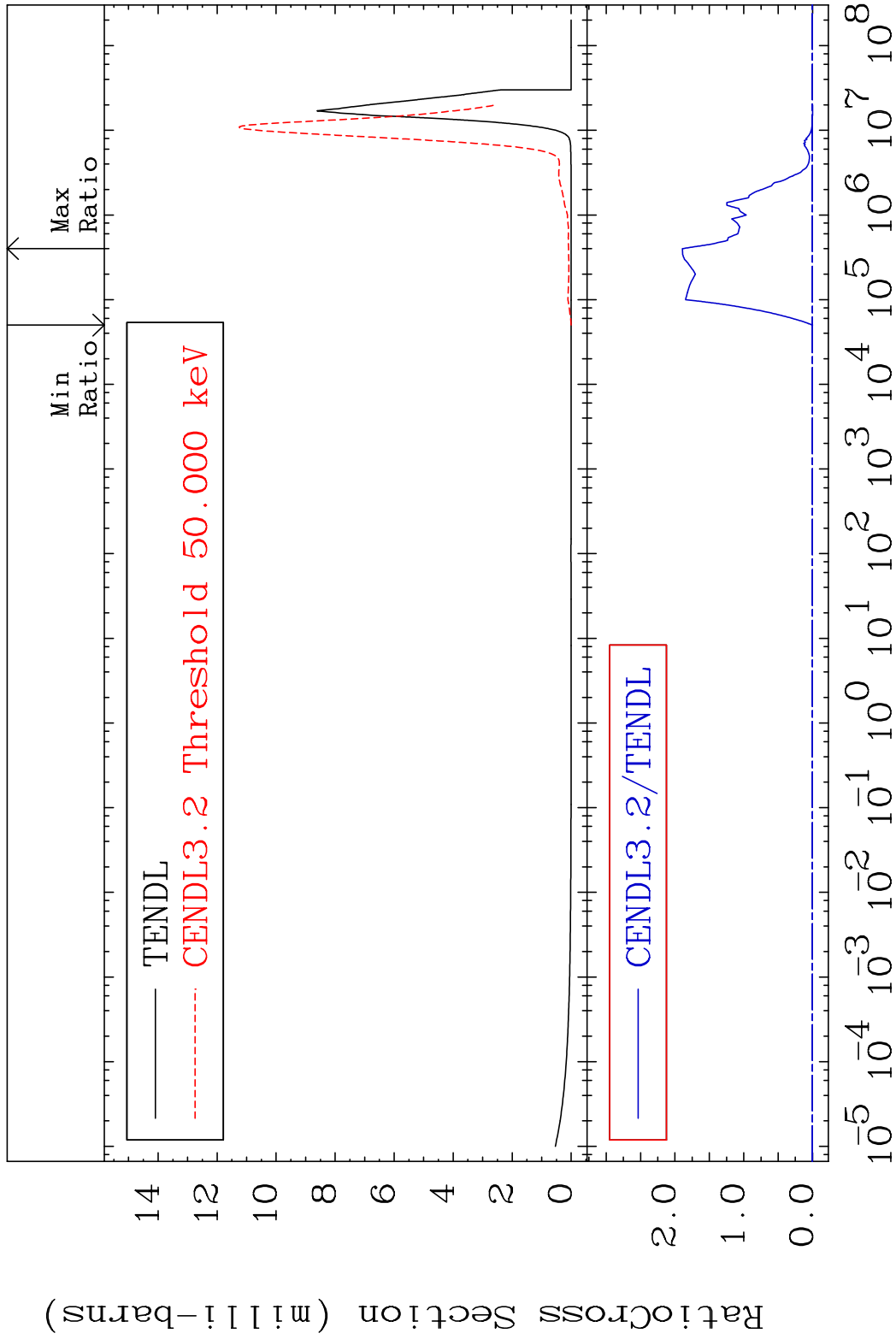
42-Mo-99

MAT 4246

(n, α)

42-Mo-99

Cross Section -100.0 To 9999. %

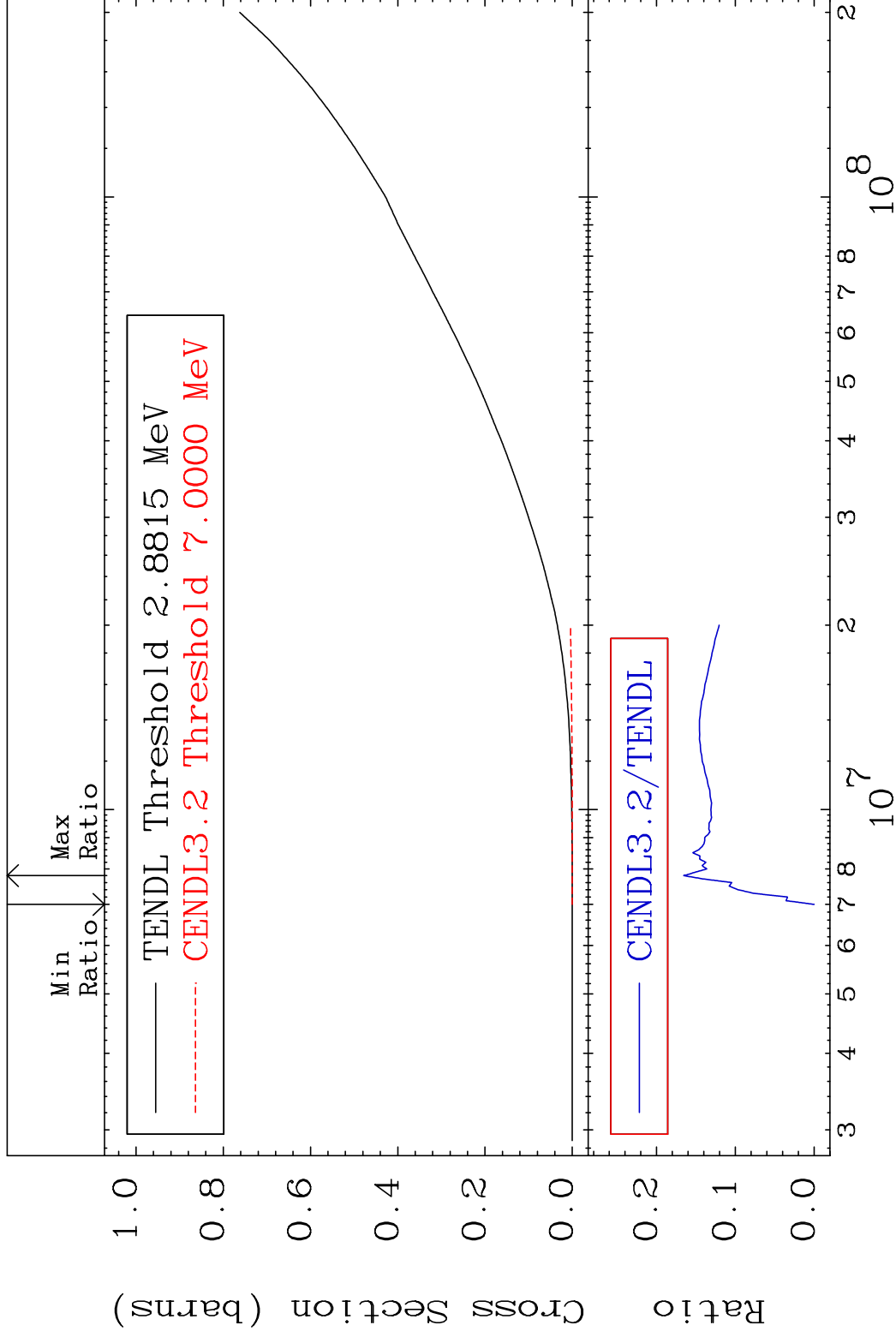


28

Incident Energy (eV)

42-Mo-99

Cross Section -100.0 To -83.44%

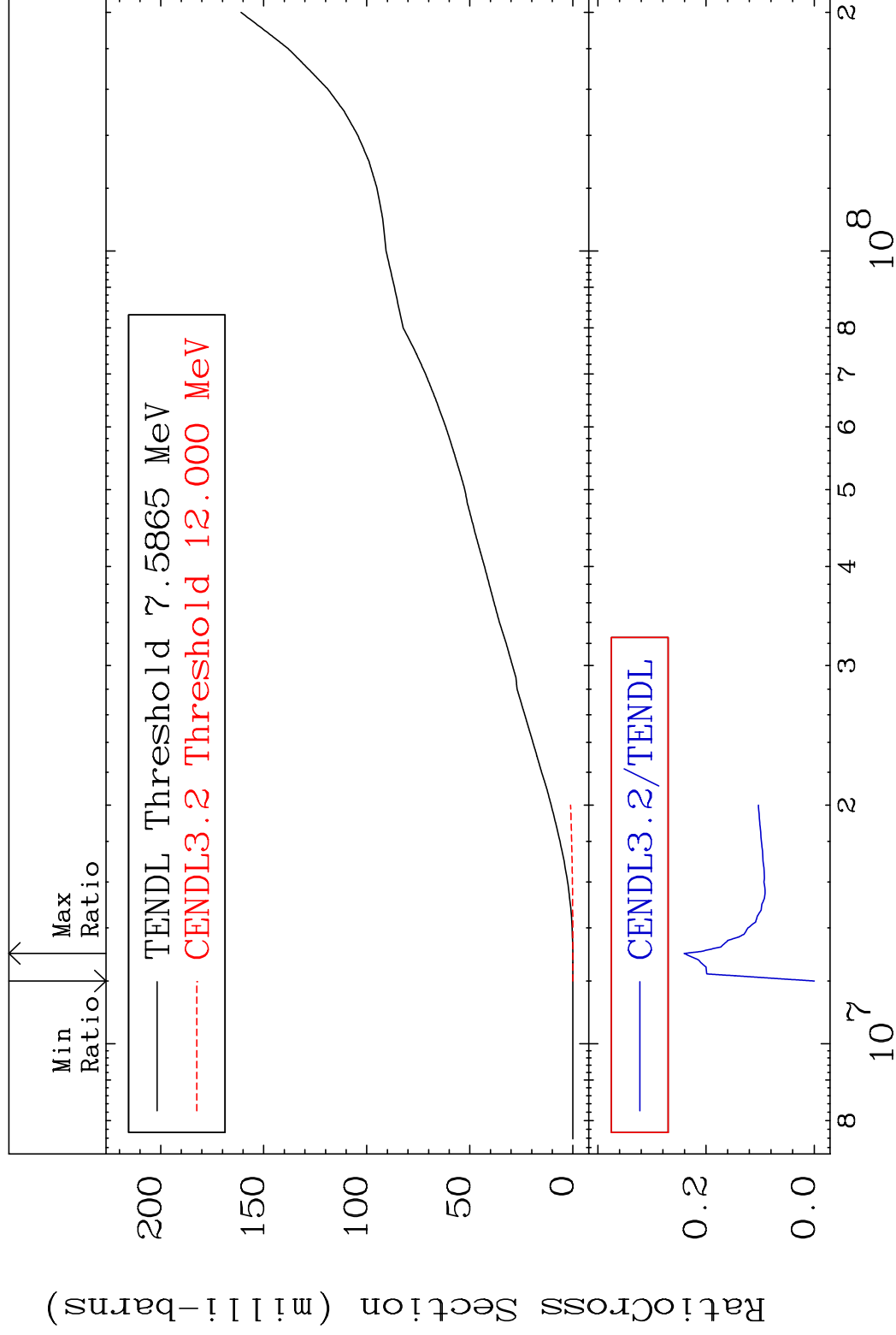


MAT 4246

Deuterium Production

42-Mo-99

Cross Section -100.0 To -75.93%



30

Incident Energy (eV)

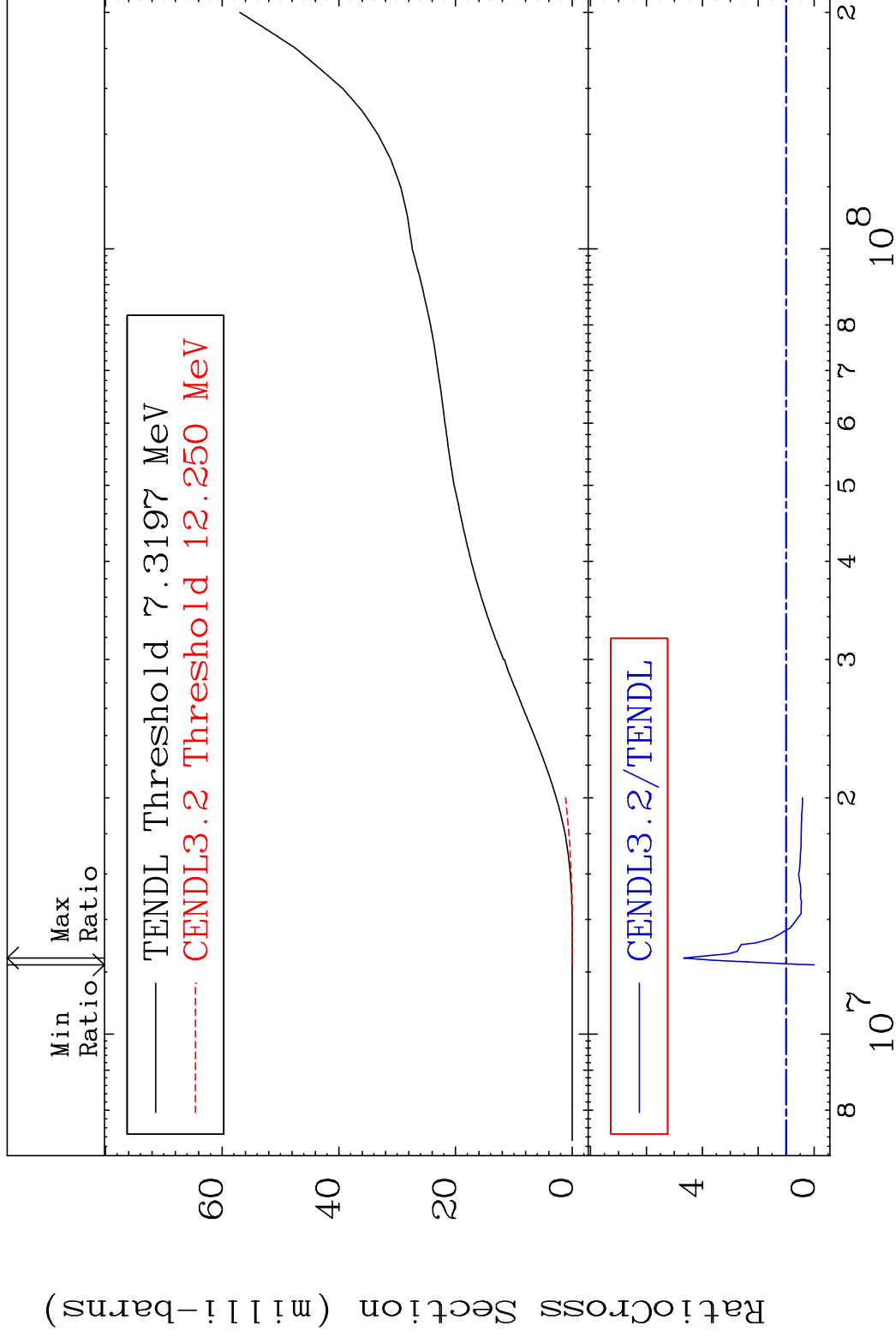
42-Mo-99

MAT 4246

Tritium Production

42-Mo-99

Cross Section -100.0 To 366.8 %



31

Incident Energy (eV)

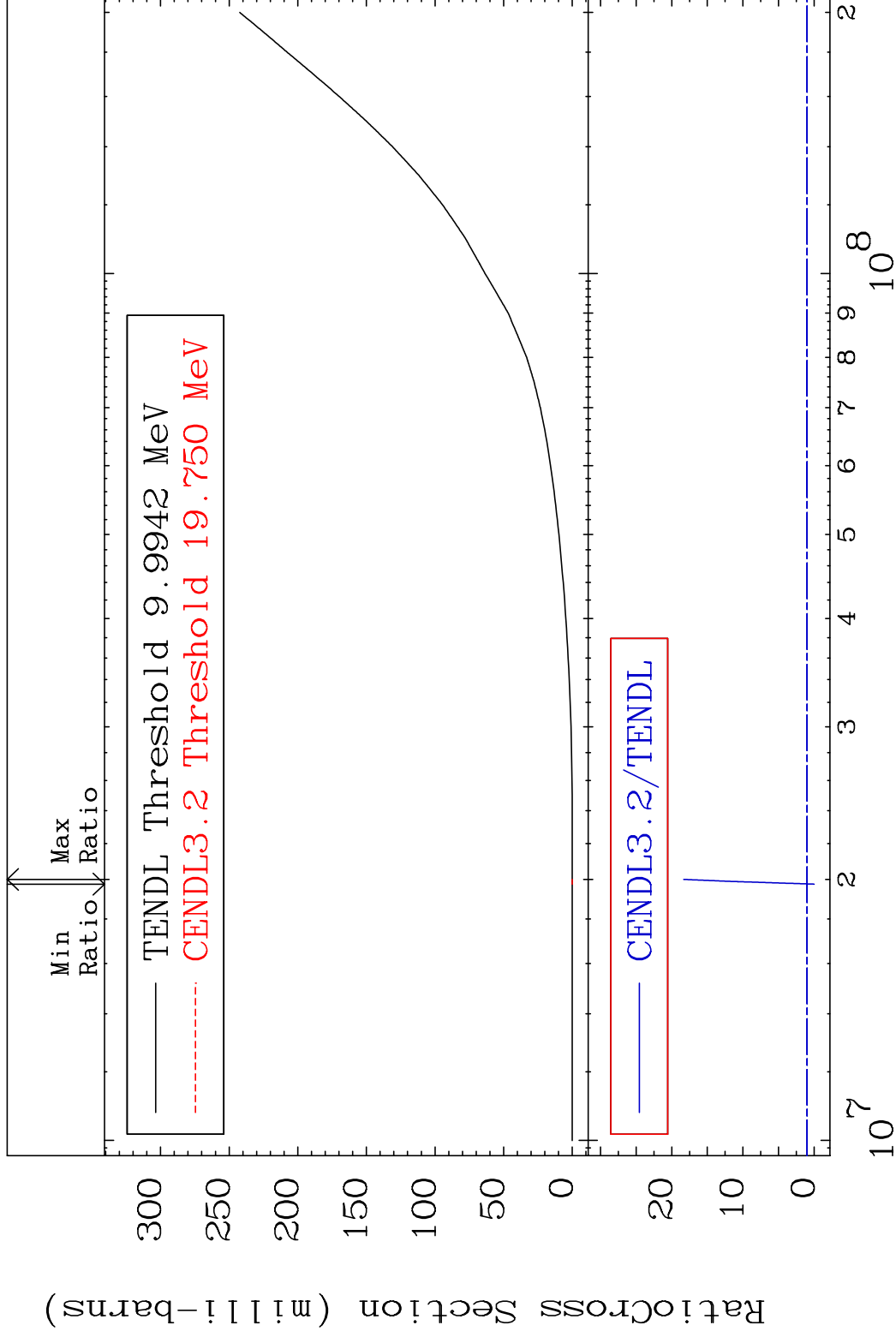
42-Mo-99

MAT 4246

He-3 Production

42-Mo-99

Cross Section -100.0 To 1733. %



32

Incident Energy (eV)

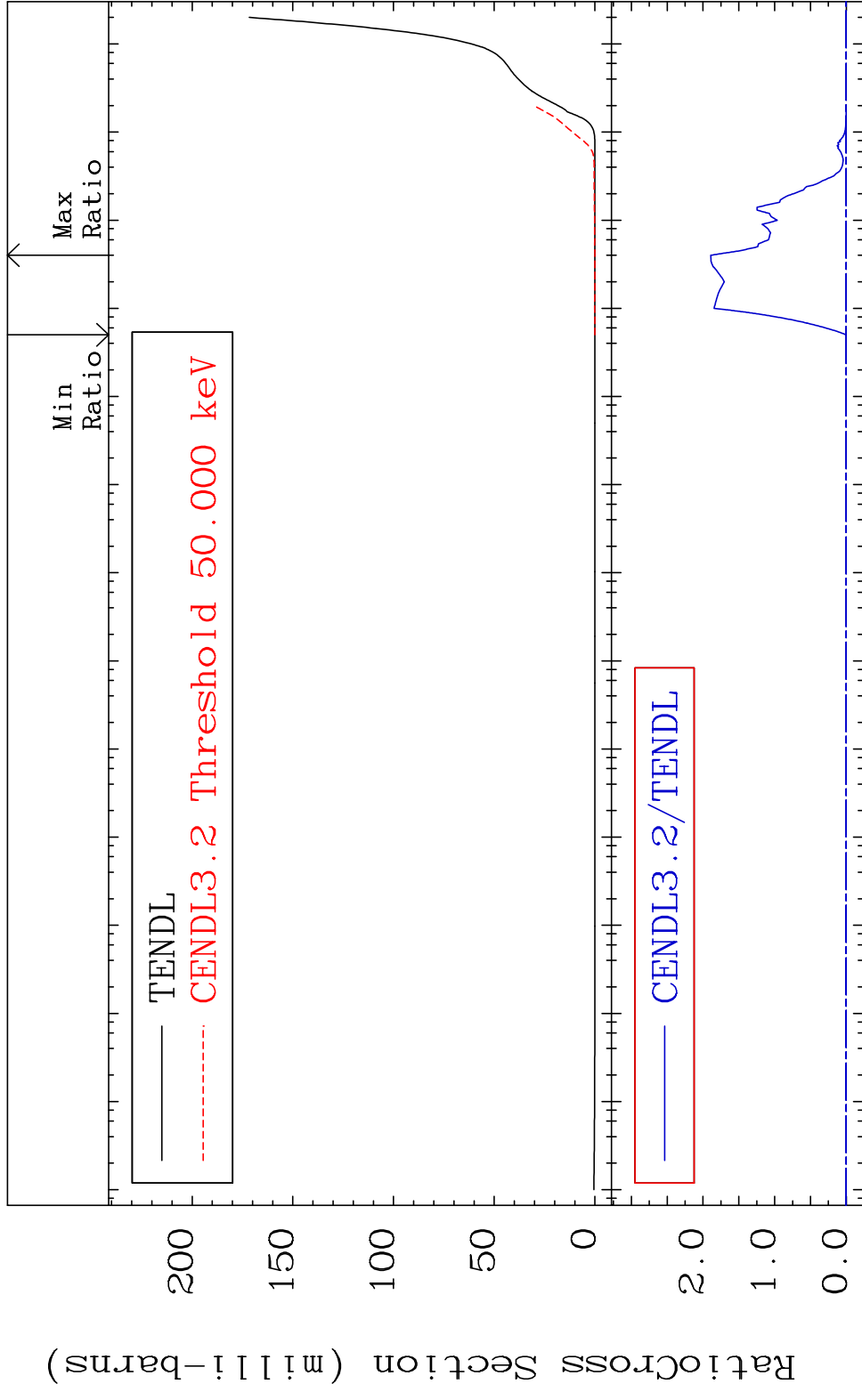
42-Mo-99

MAT 4246

He-4 Production

42-Mo-99

Cross Section -100.0 To 9999. %



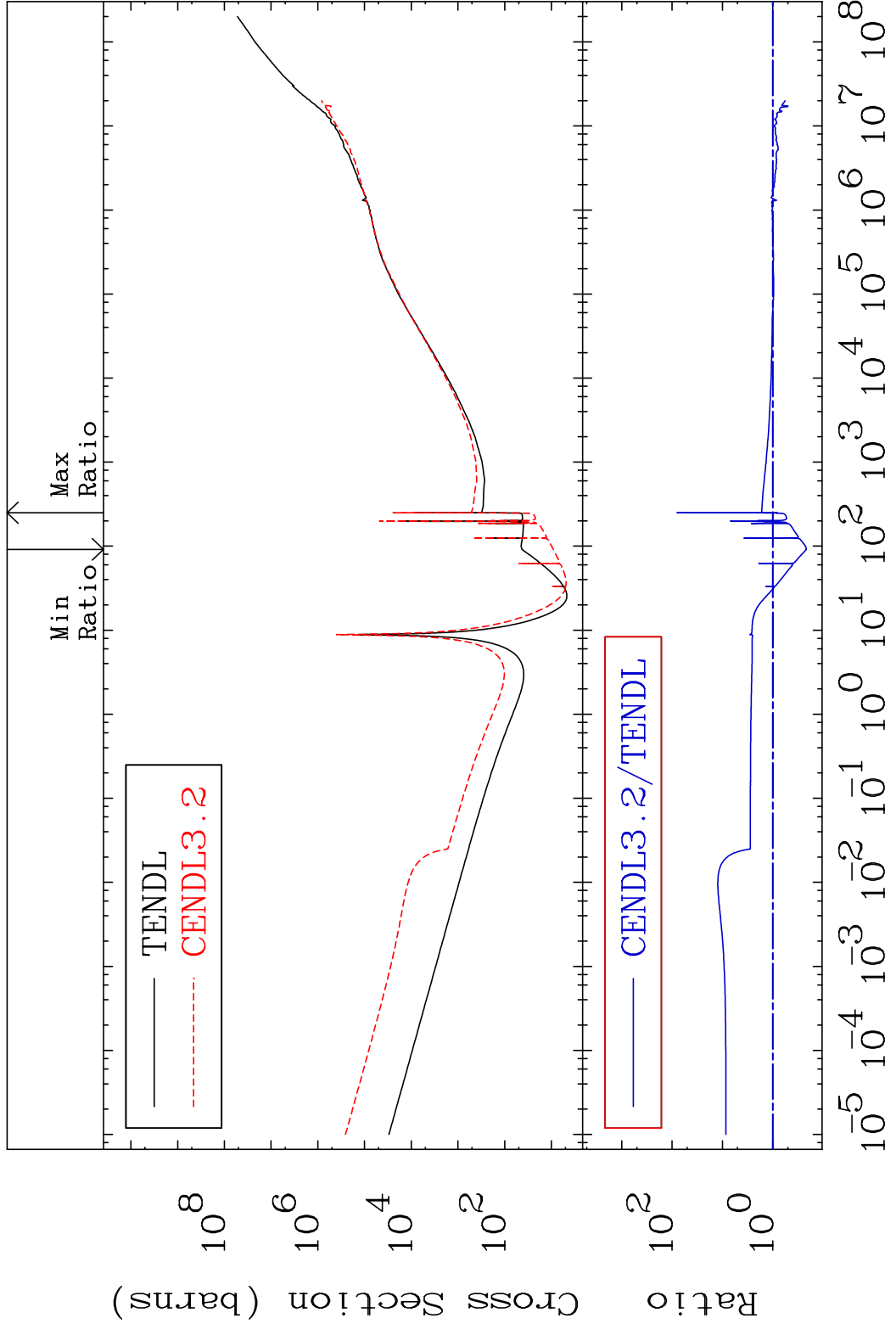
33

Incident Energy (eV)

42-Mo-99

MAT 4246

Kerma total (eV-barns) 42-Mo-99
Cross Section -78.65 To 7826. %



34

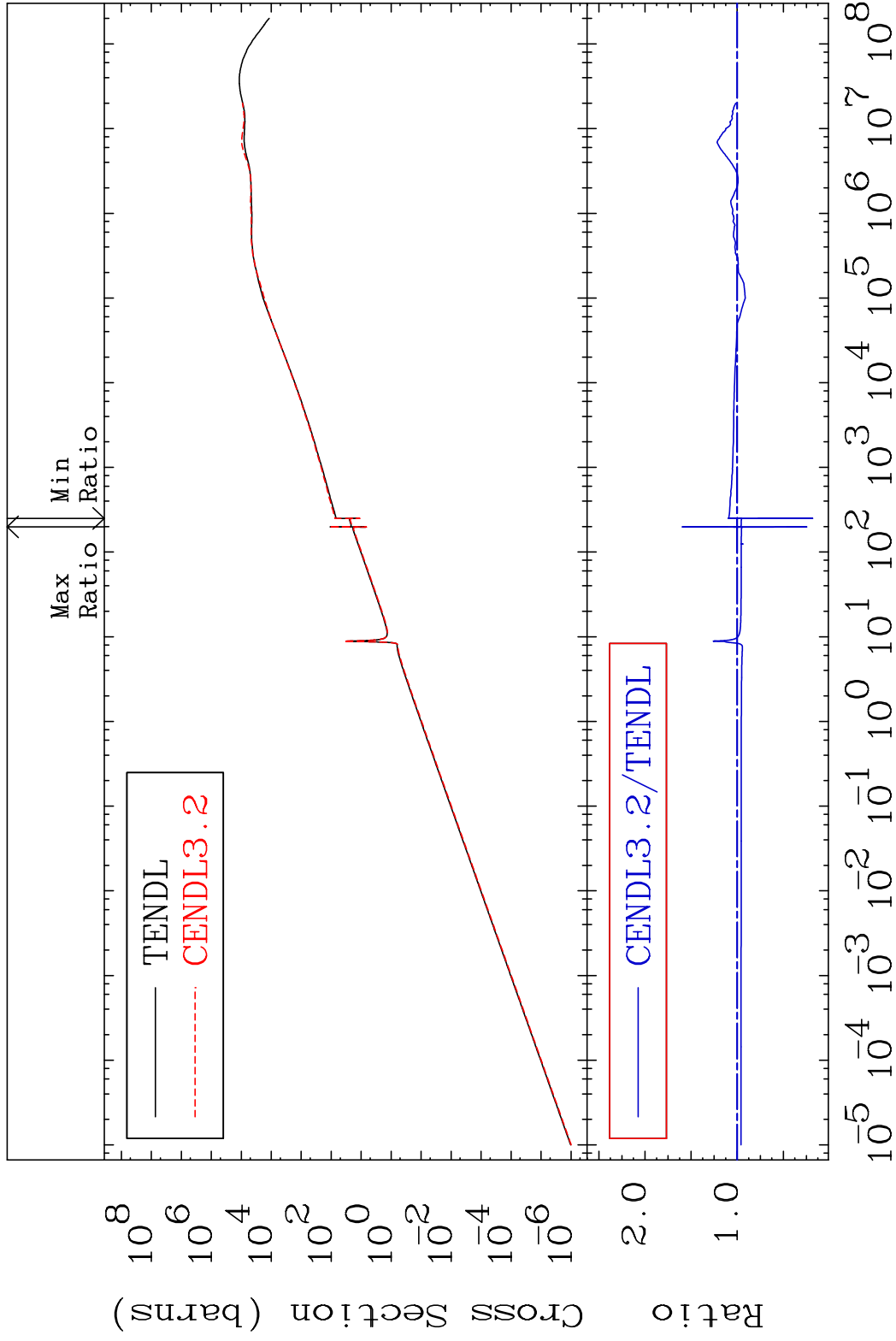
Incident Energy (eV) 42-Mo-99

MAT 4246

Kerma elastic
Cross Section

42-Mo-99

-81.65 To 59.49 %

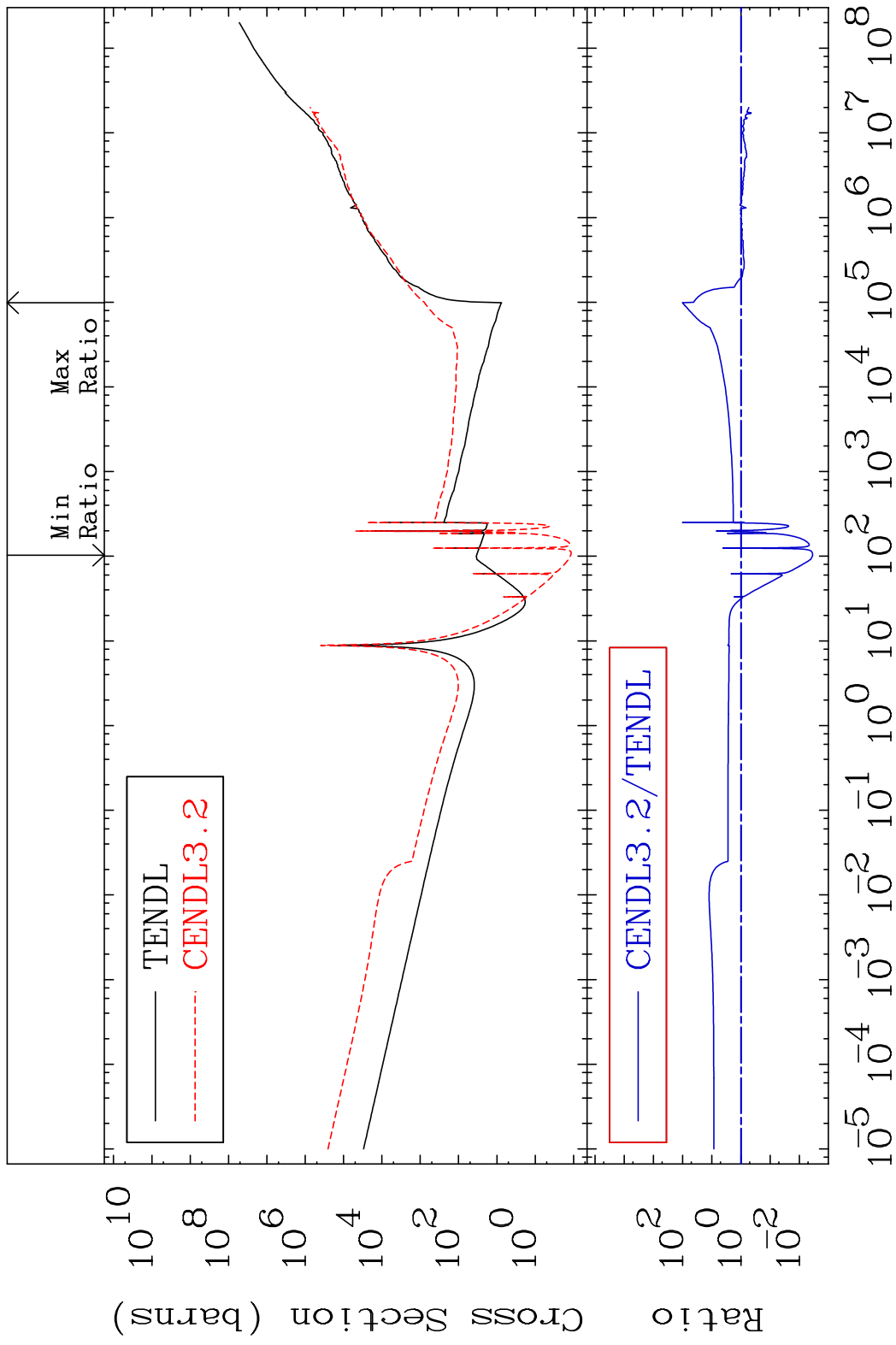


35

Incident Energy (eV)

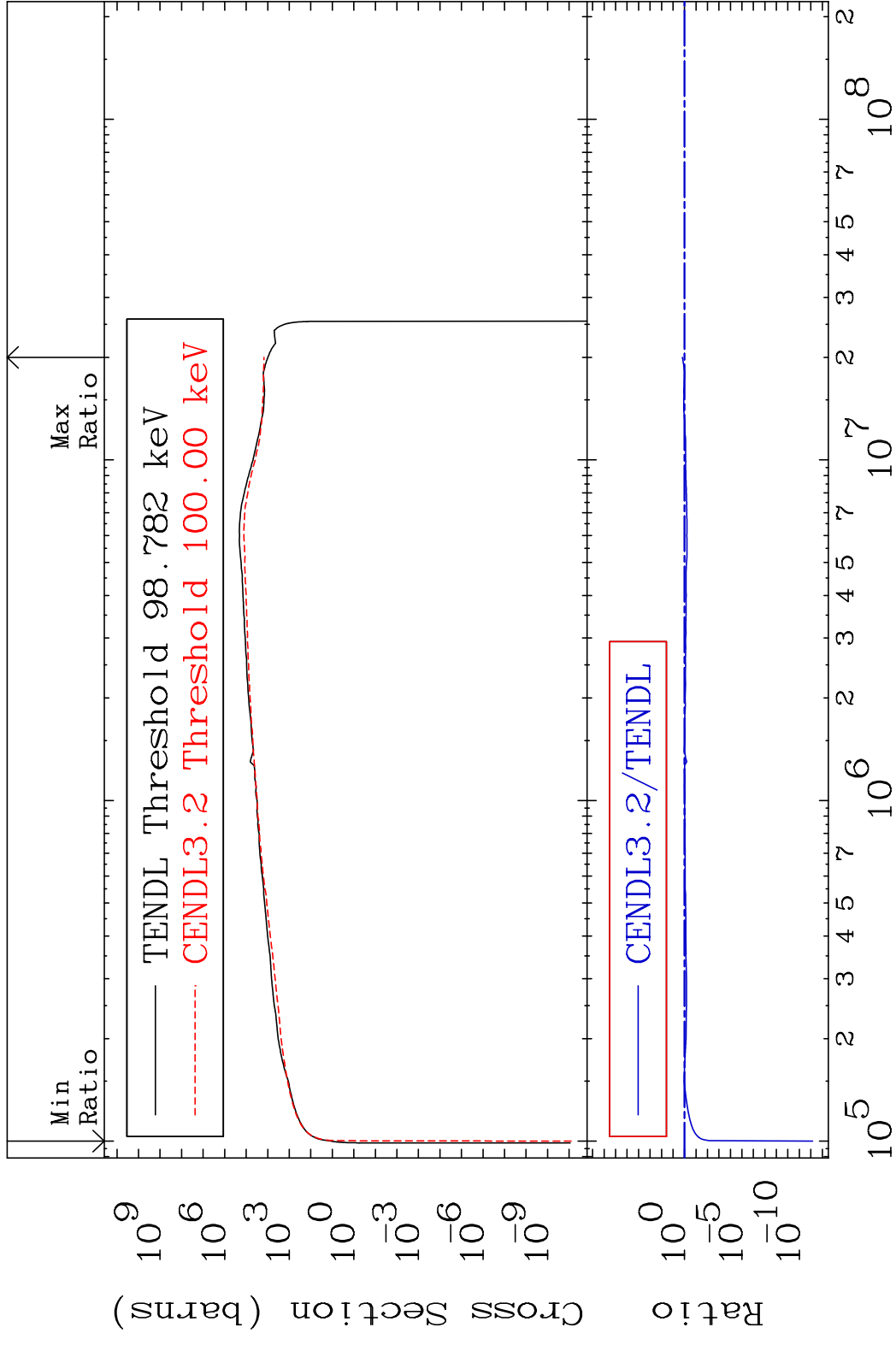
42-Mo-99

MAT 4246 Kerma non-elastic (all but mt2) 42-Mo-99
 Cross Section -99.65 To 9999. %

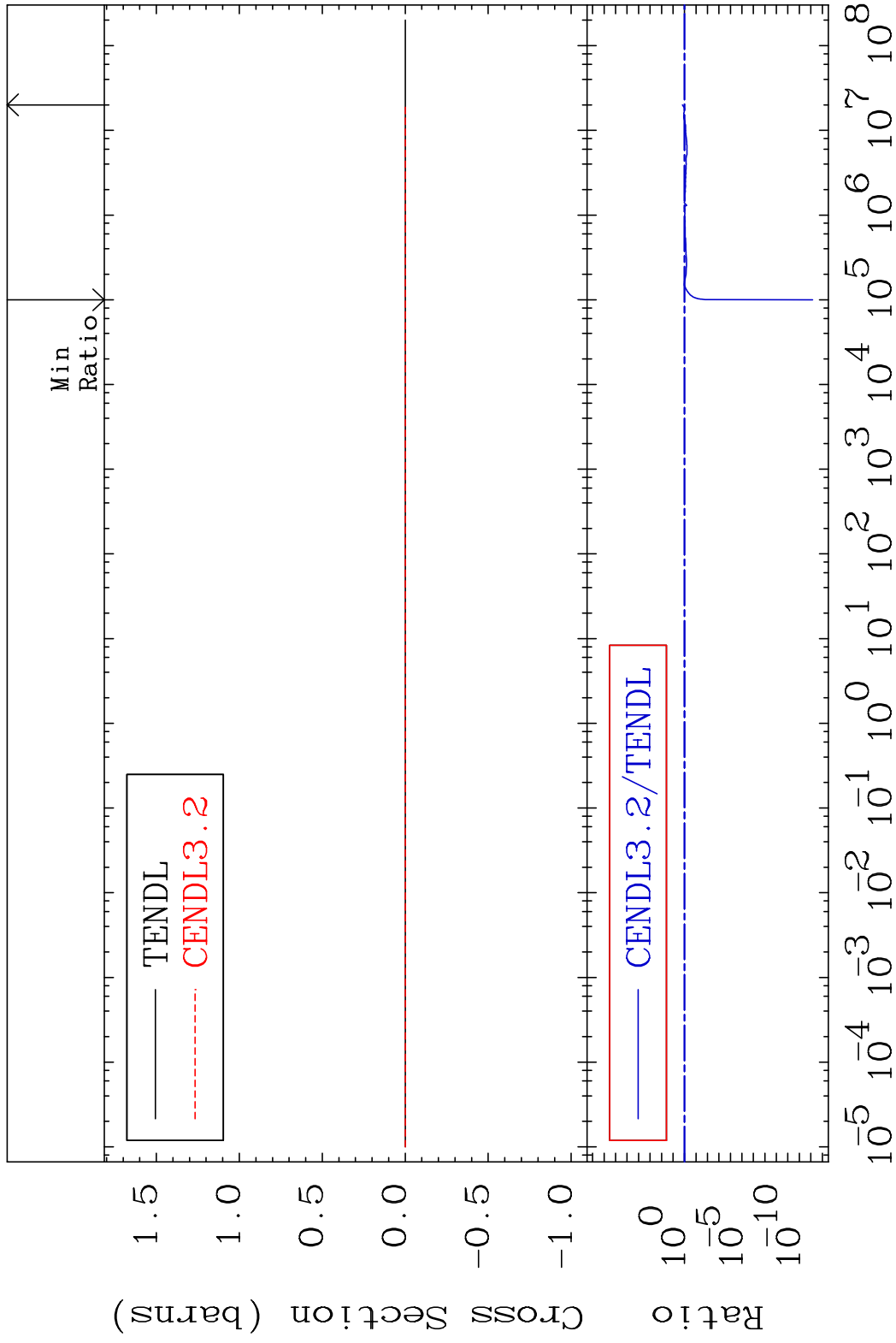


36 Incident Energy (eV) 42-Mo-99

MAT 4246 Kerma inelastic (mt51-91) 42-Mo-99
 Cross Section -100.0 To 53.52 %

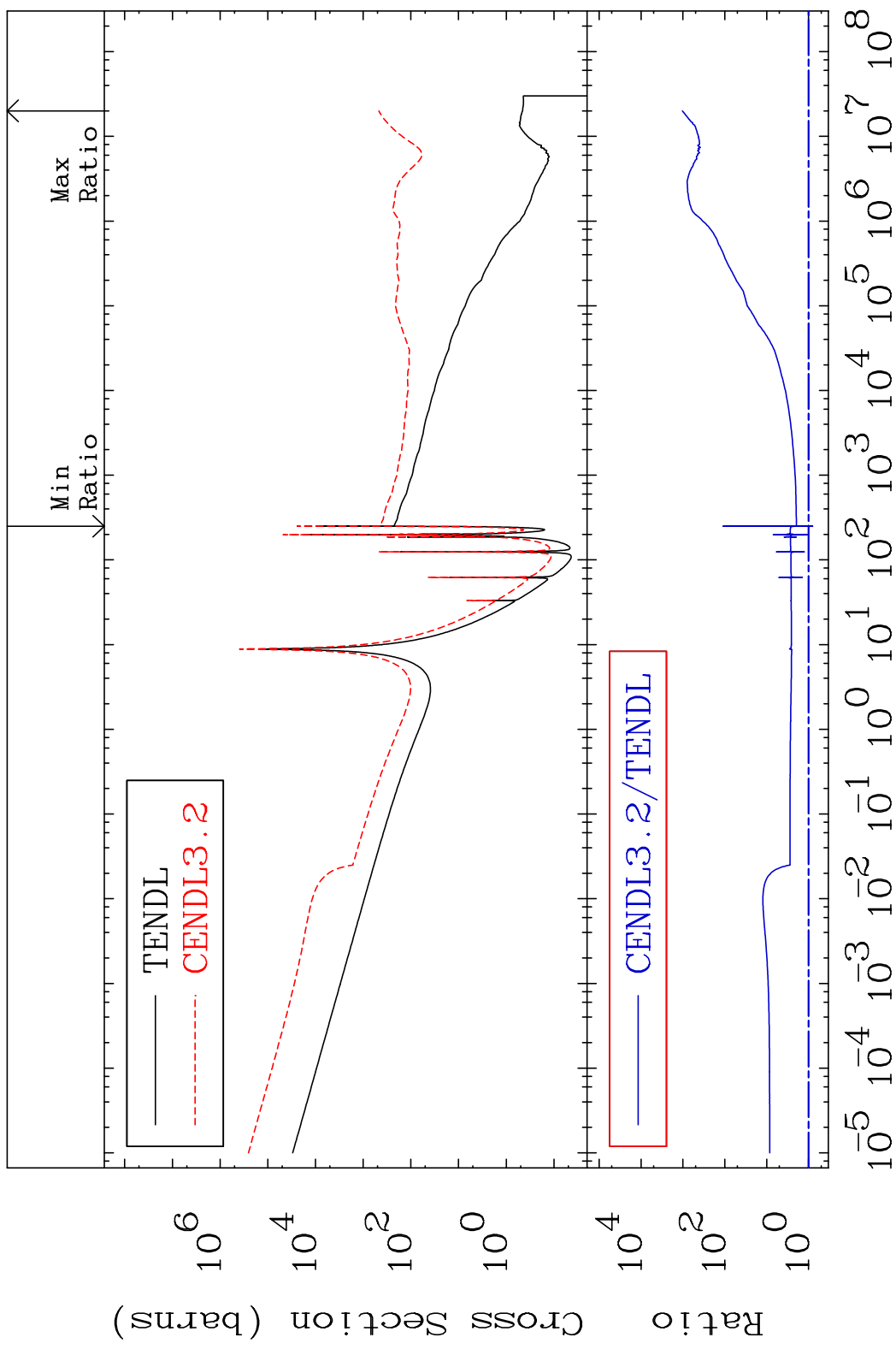


MAT 4246 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-99
 Cross Section -100.0 To 53.52 %



MAT 4246

Kerma capture (mt102) 42-Mo-99
Cross Section -19.52 To 9999. %

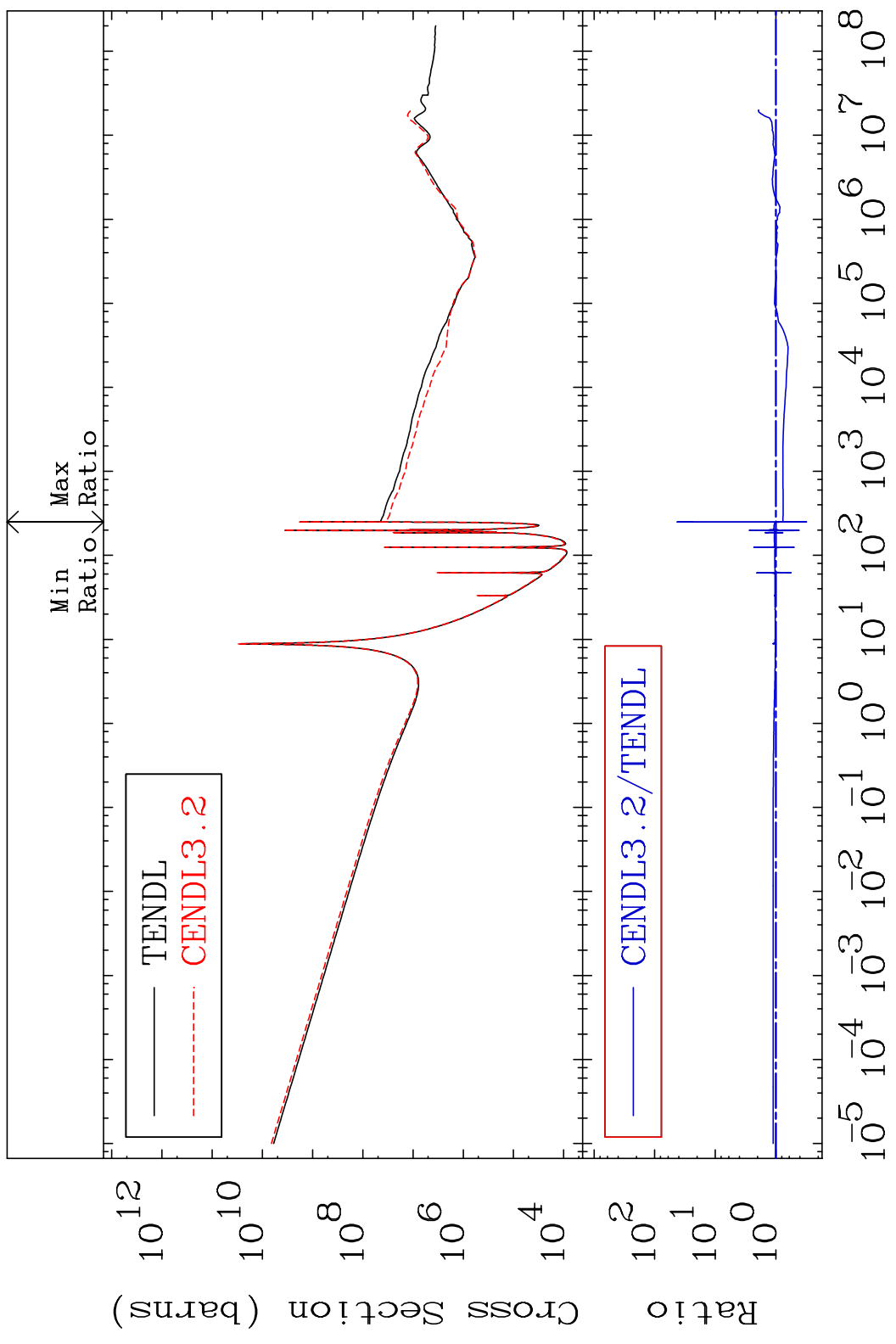


39

Incident Energy (eV) 42-Mo-99

MAT 4246

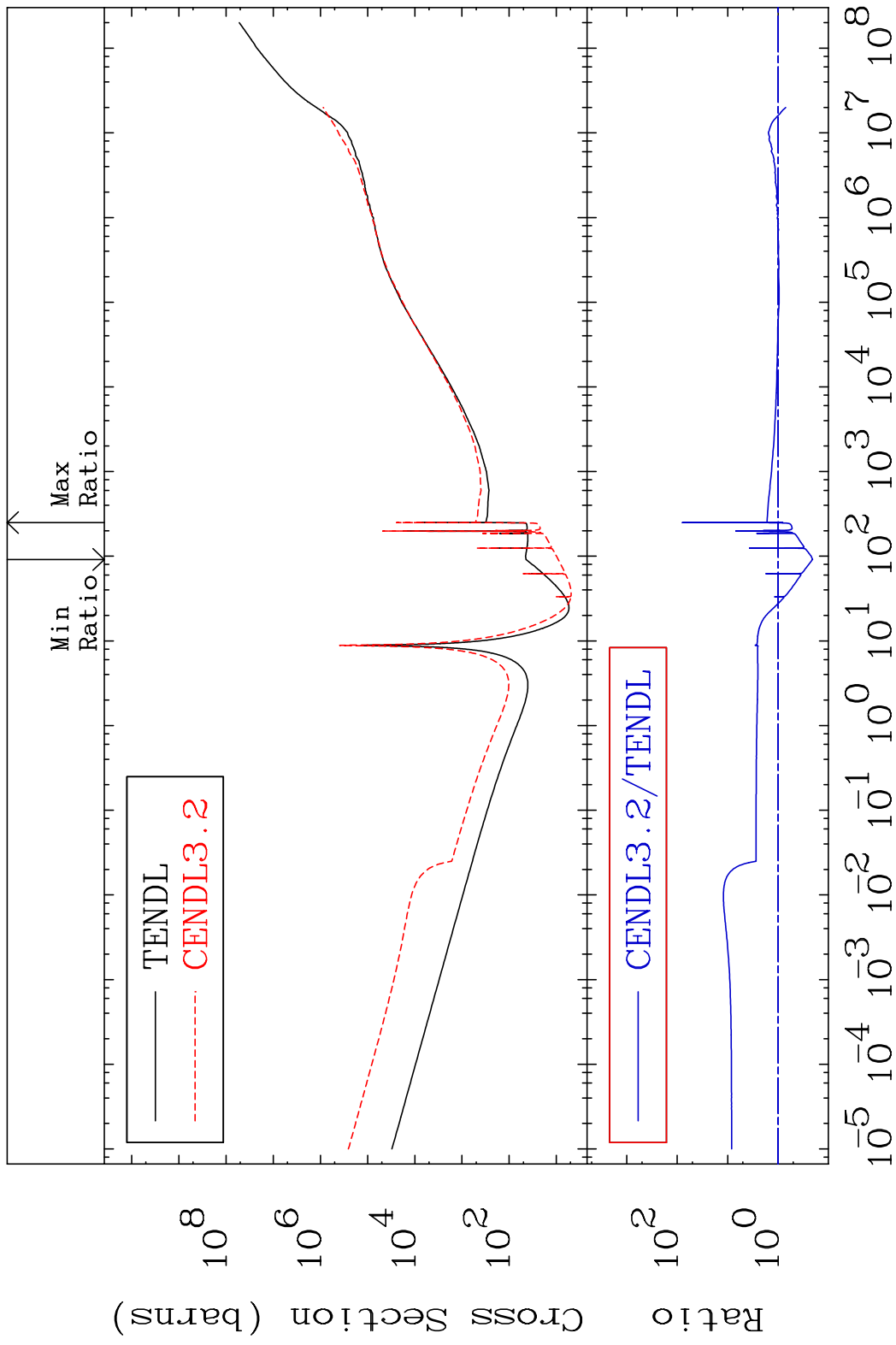
Total photon (eV-barns) 42-Mo-99
Cross Section -68.64 To 4152. %



40

Incident Energy (eV) 42-Mo-99

MAT 4246 Total kinematic kerma (high limit) 42-Mo-99
 Cross Section -79.25 To 7822. %

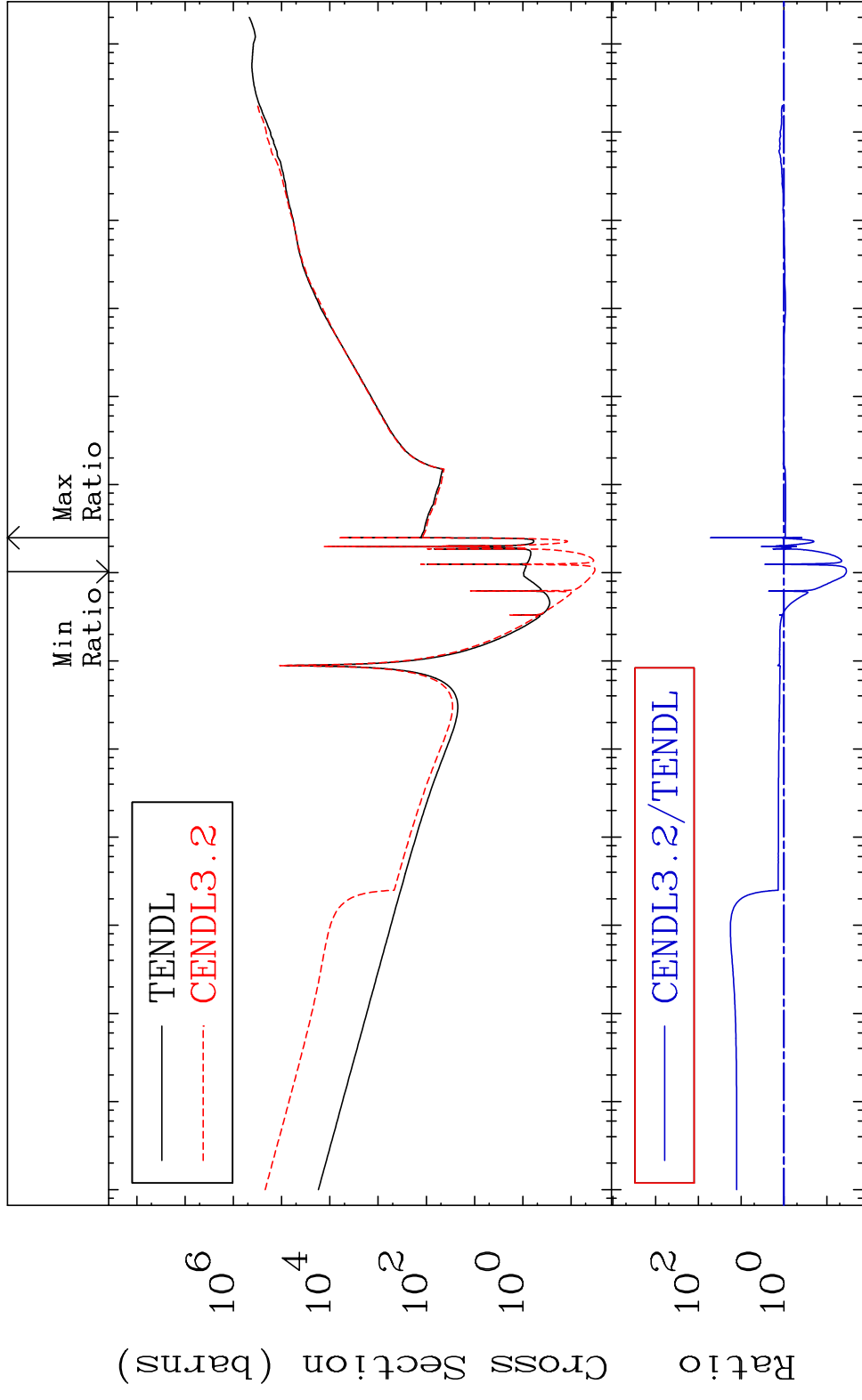


MAT 4246

Dpa total (eV-barns)

42-Mo-99

Cross Section -96.51 To 5079. %



42

Incident Energy (eV)

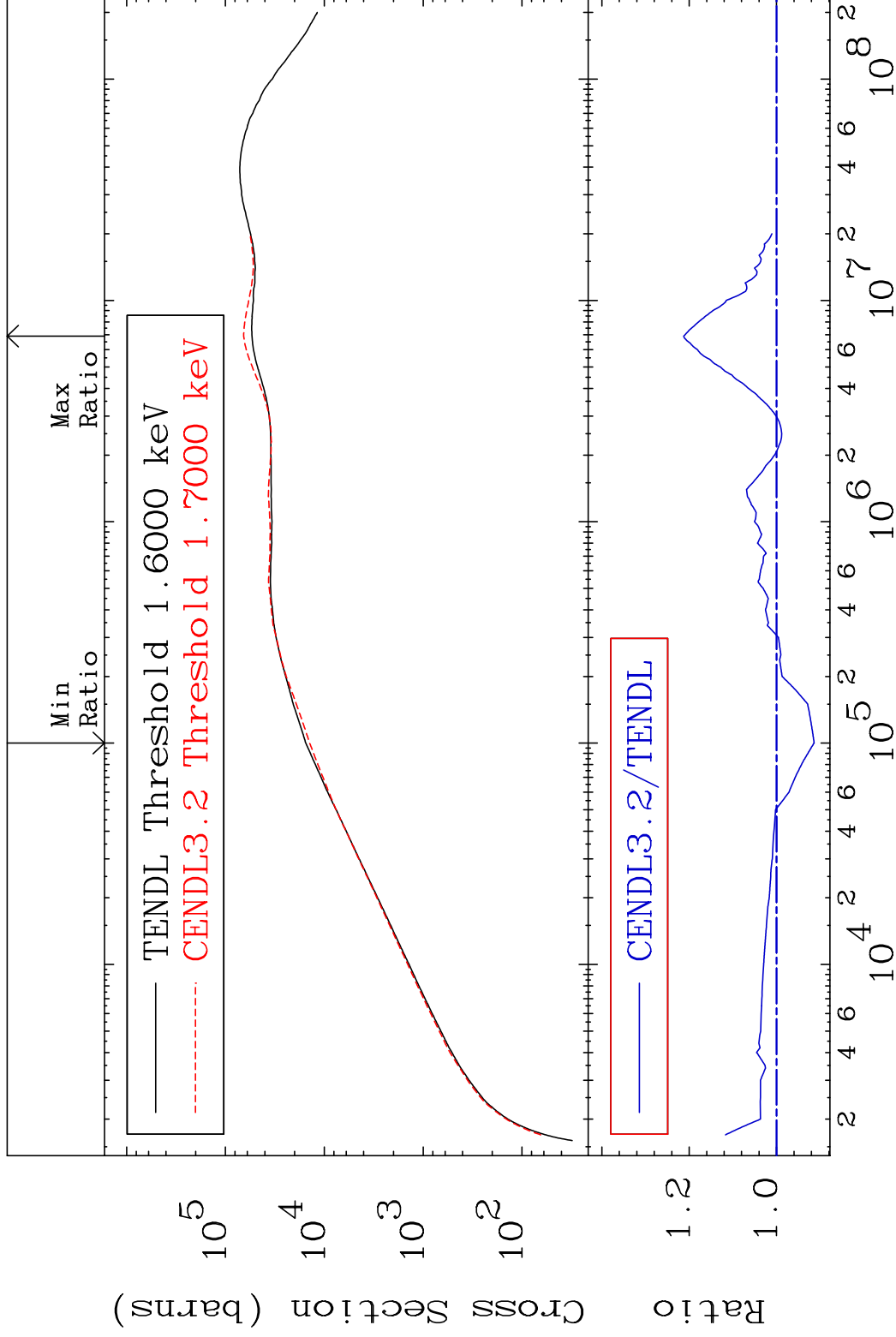
42-Mo-99

MAT 4246

Dpa elastic (mt2)

42-Mo-99

Cross Section -8.602 To 21.27 %

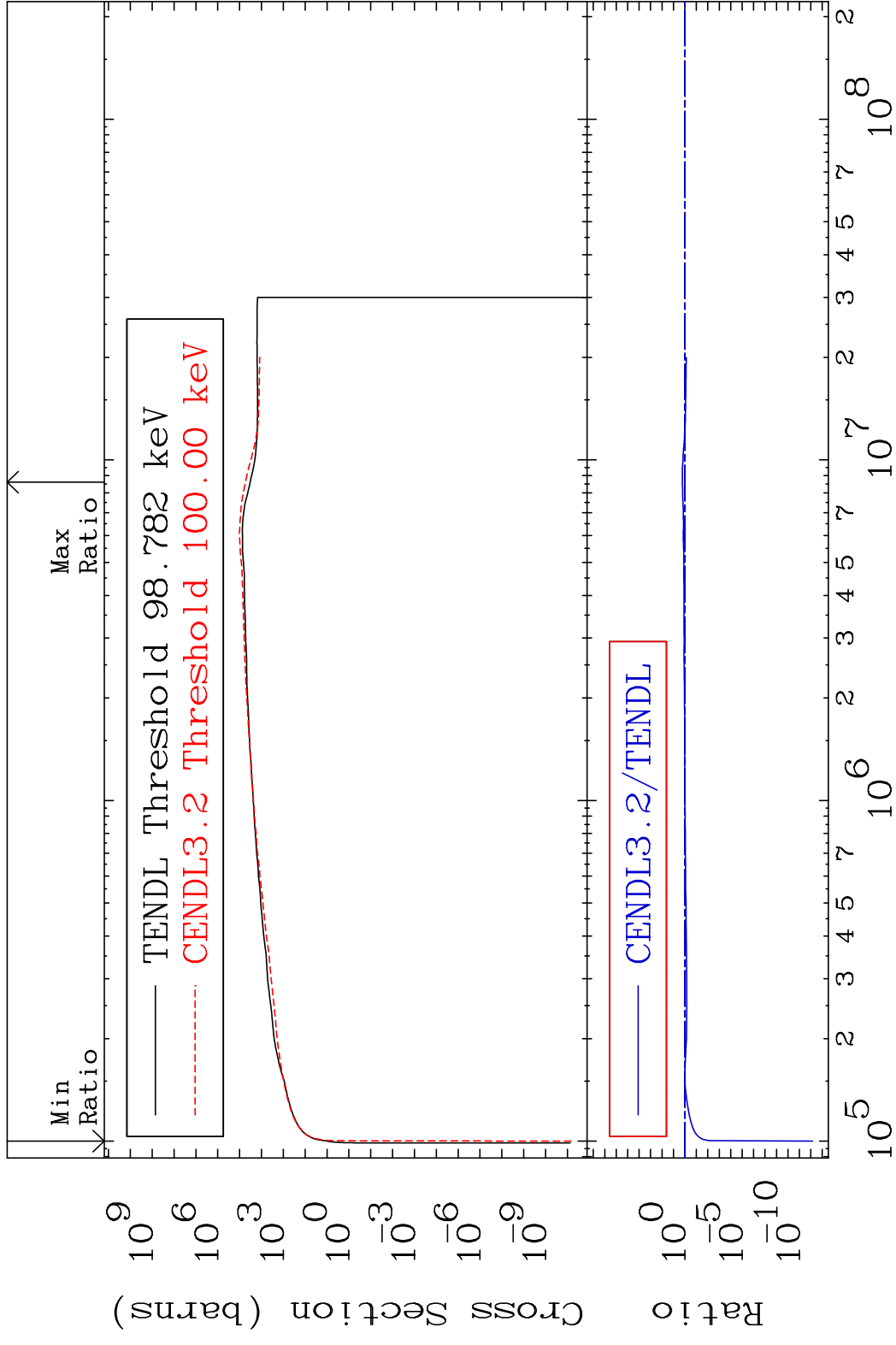


43

Incident Energy (eV)

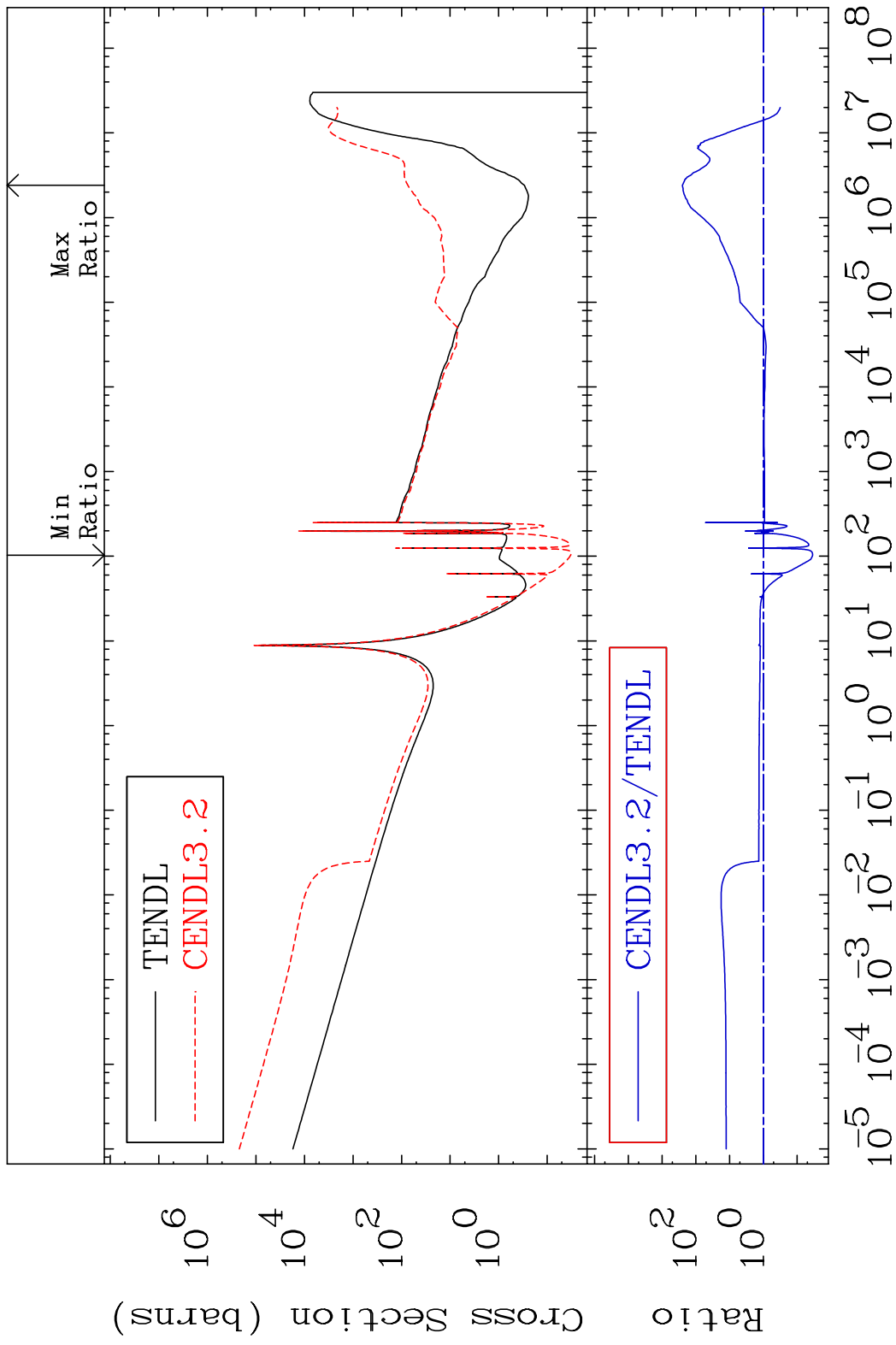
42-Mo-99

MAT 4246 Dpa inelastic (mt51-91) 42-Mo-99
 Cross Section -100.0 To 66.85 %



44 Incident Energy (eV) 42-Mo-99

MAT 4246 Dpa disappearance (mt102 -120) 42-Mo-99
 Cross Section -96.51 To 9999. %

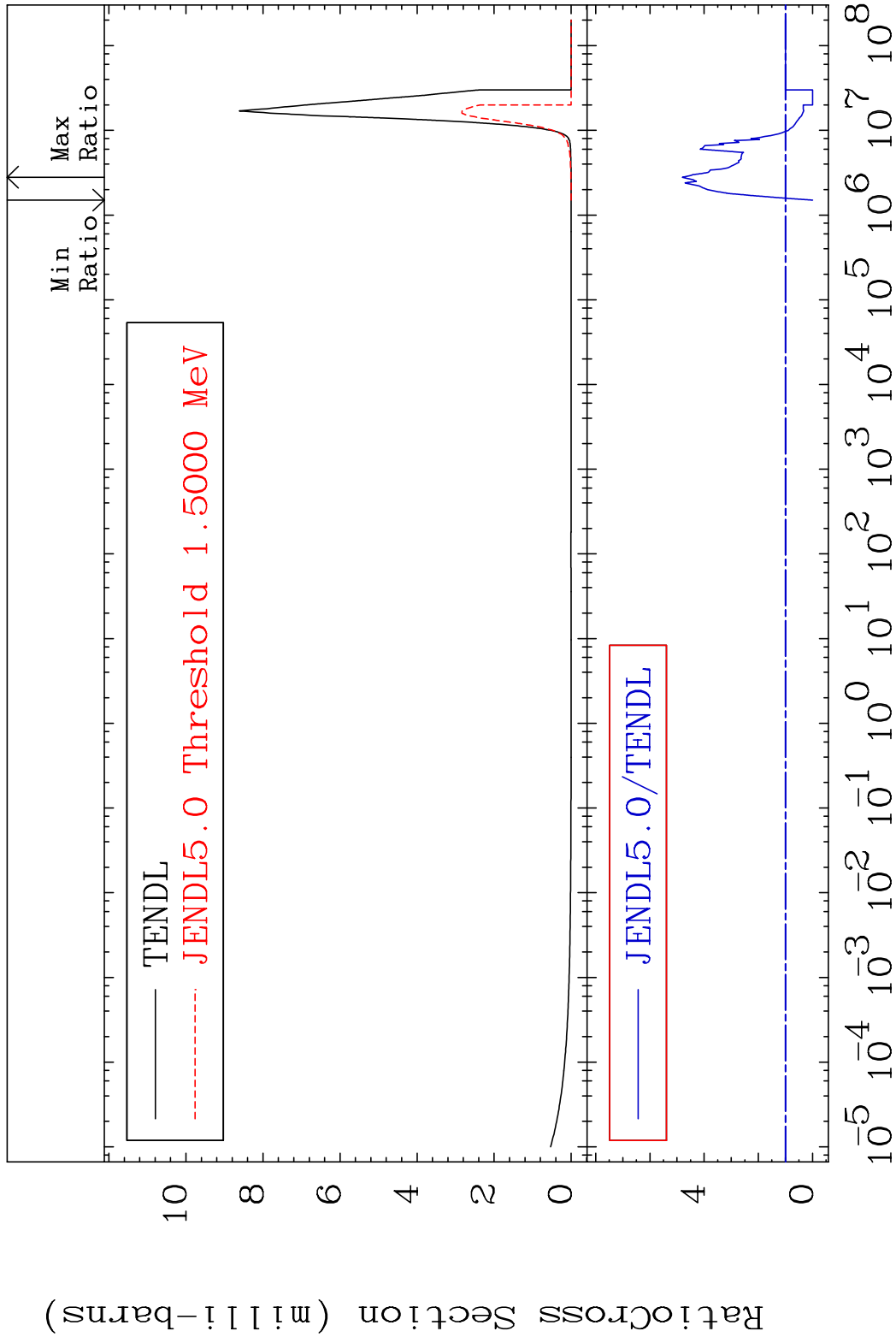


MAT 4246

(n, α)

42-Mo-99

Cross Section -100.0 To 380.3 %

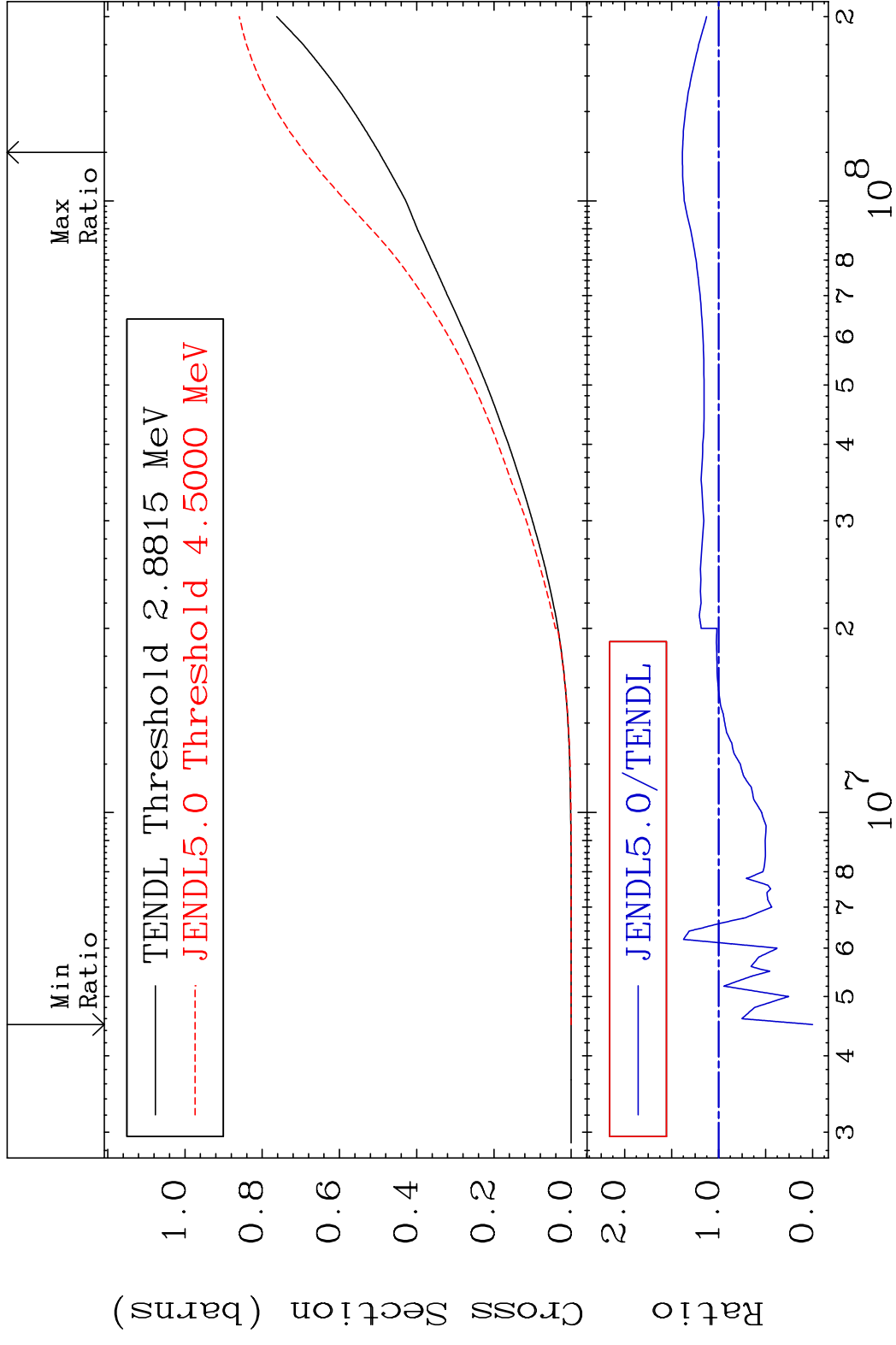


46

Incident Energy (eV)

42-Mo-99

MAT 4246 Hydrogen Production 42-Mo-99
 Cross Section -100.0 To 38.59 %

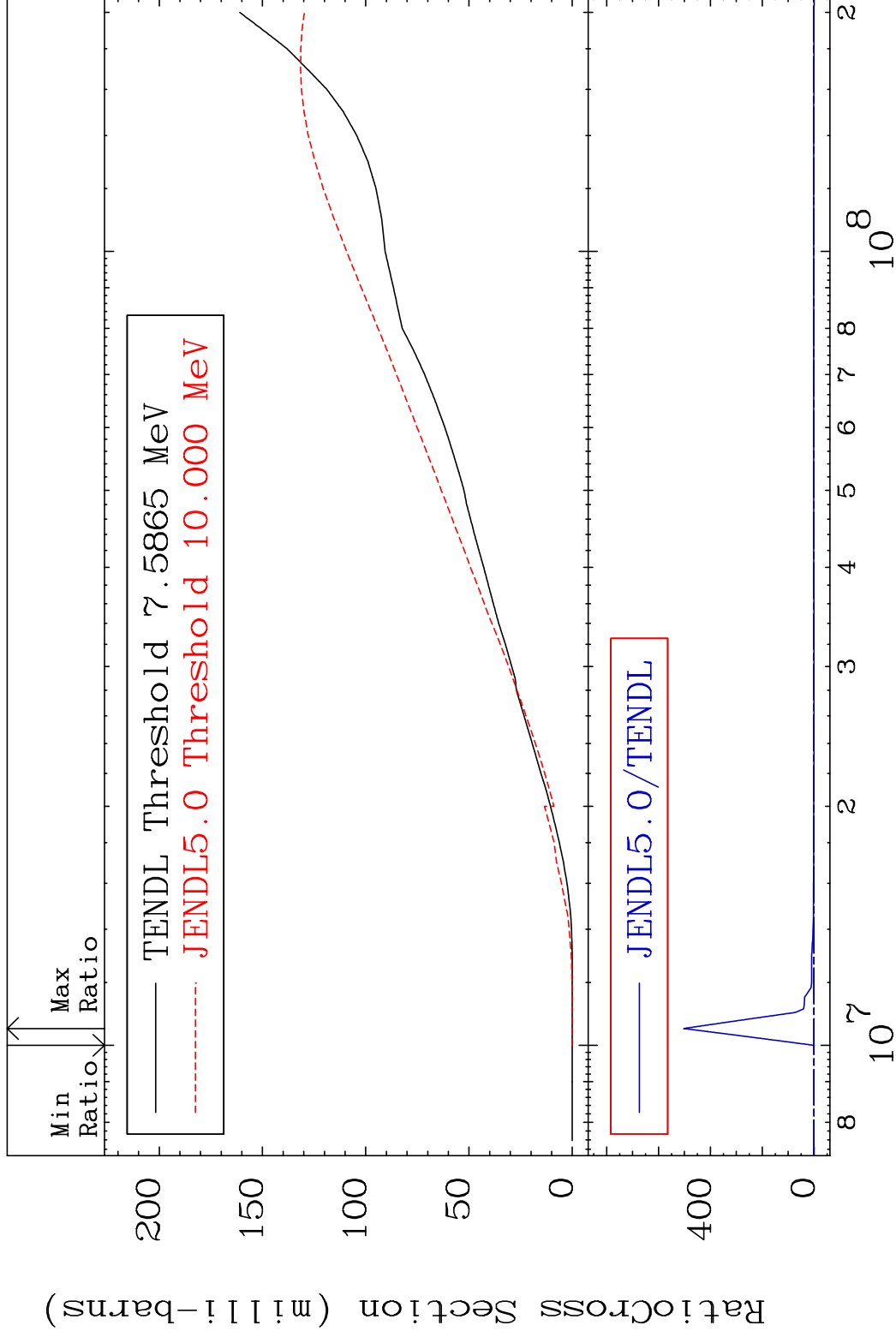


MAT 4246

Deuterium Production

42-Mo-99

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

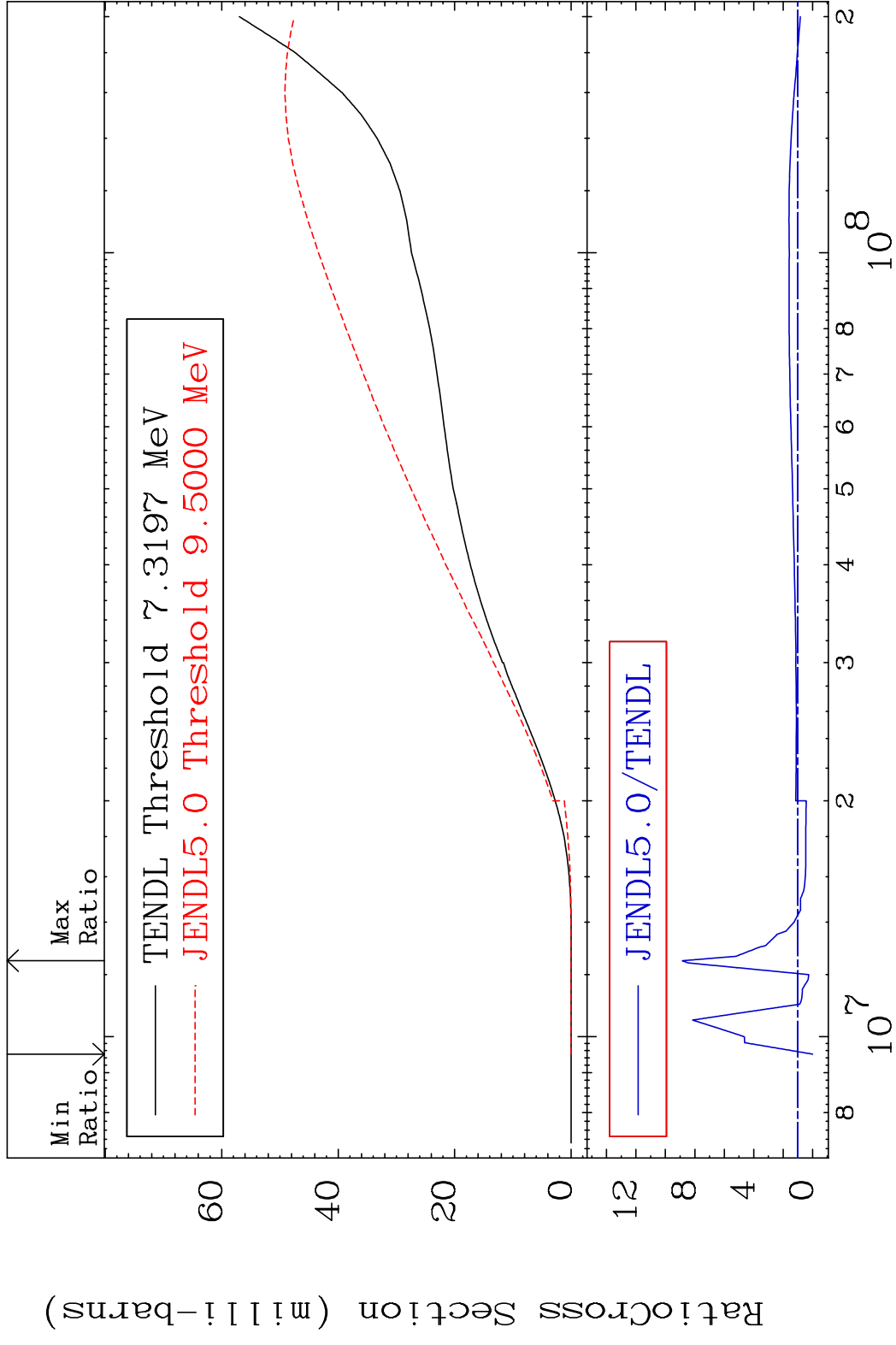
42-Mo-99

MAT 4246

Tritium Production

42-Mo-99

Cross Section -100.0 To 784.7 %



49

Incident Energy (eV)

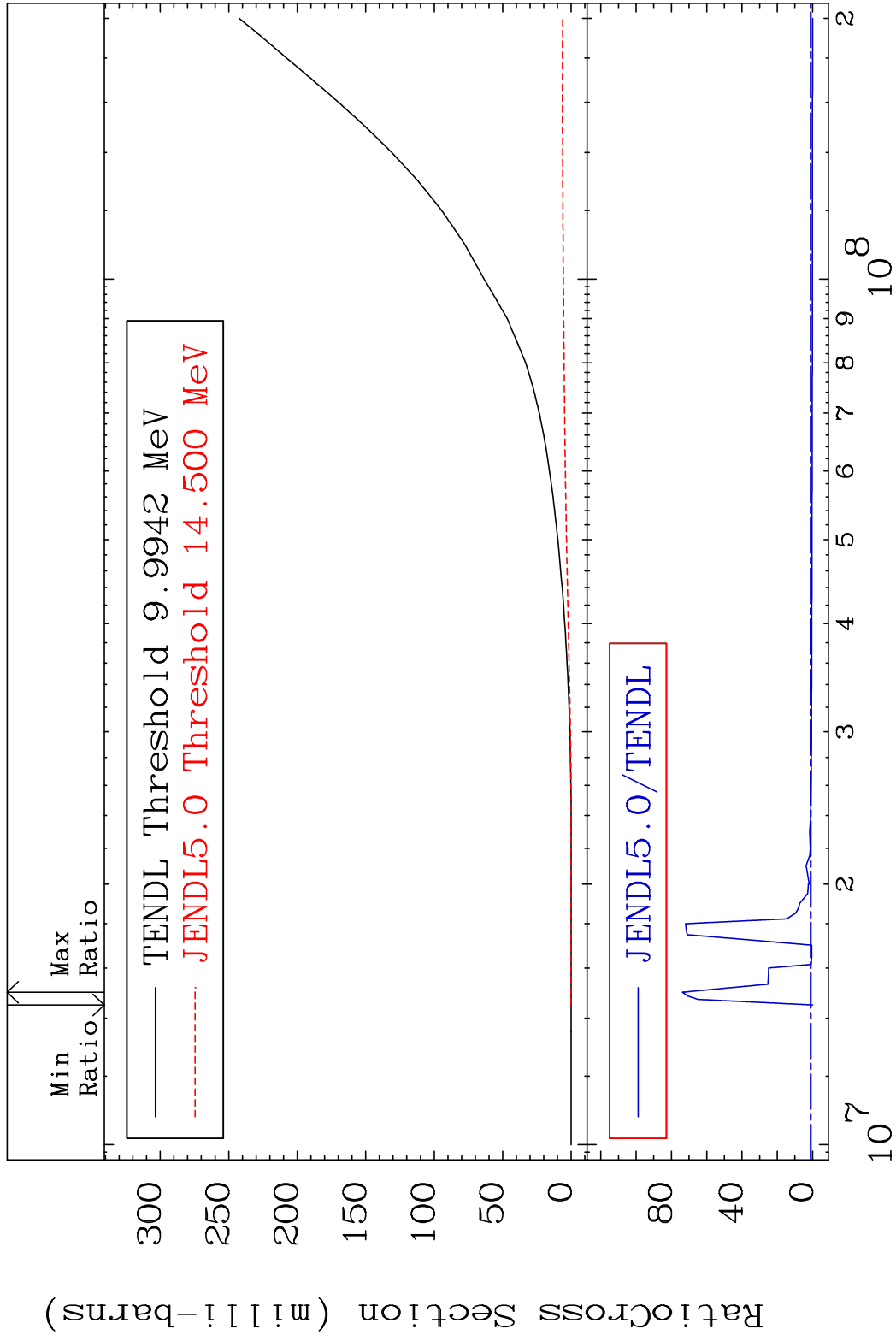
42-Mo-99

MAT 4246

He-3 Production

42-Mo-99

Cross Section -100.0 To 7280. %



50

Incident Energy (eV)

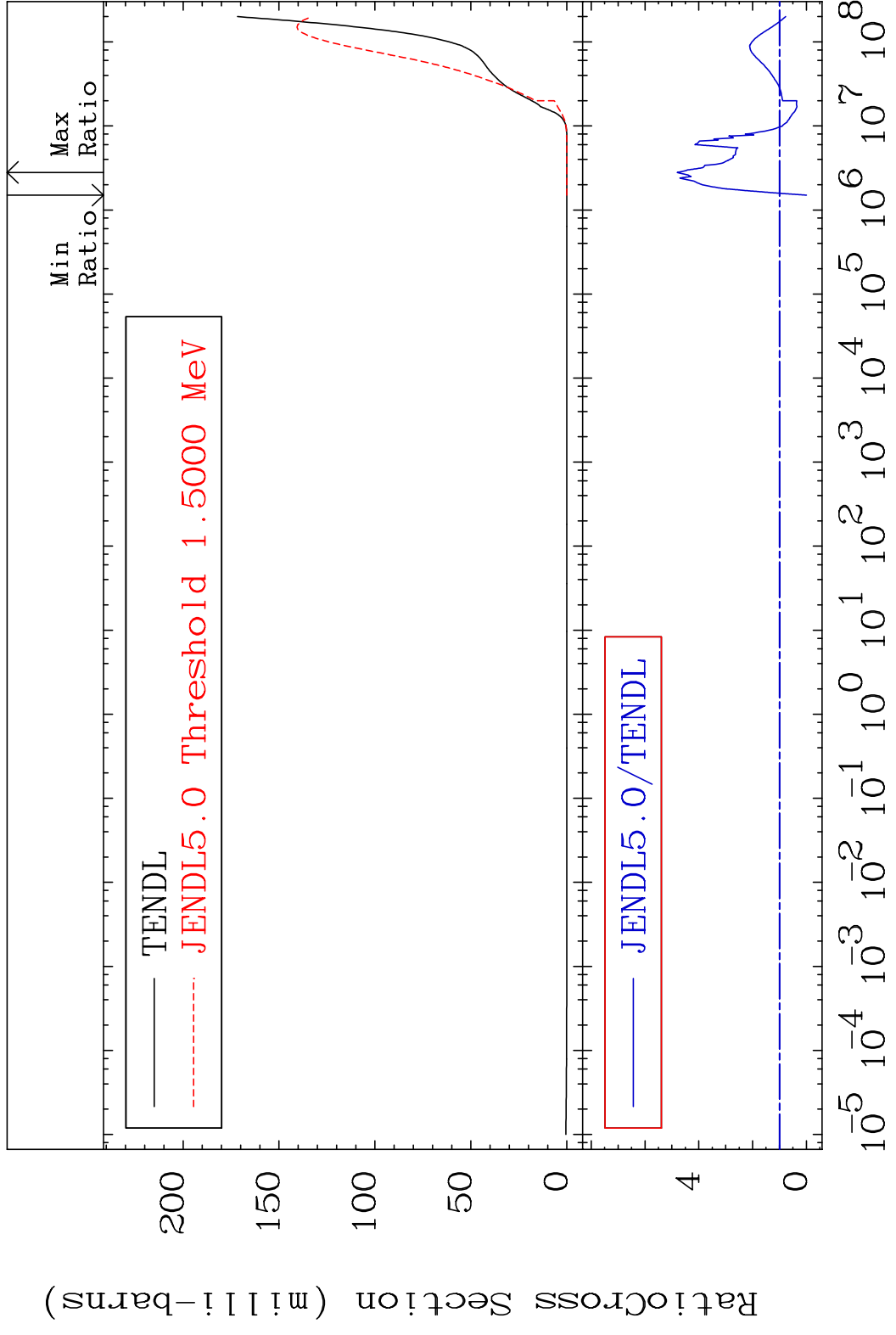
42-Mo-99

MAT 4246

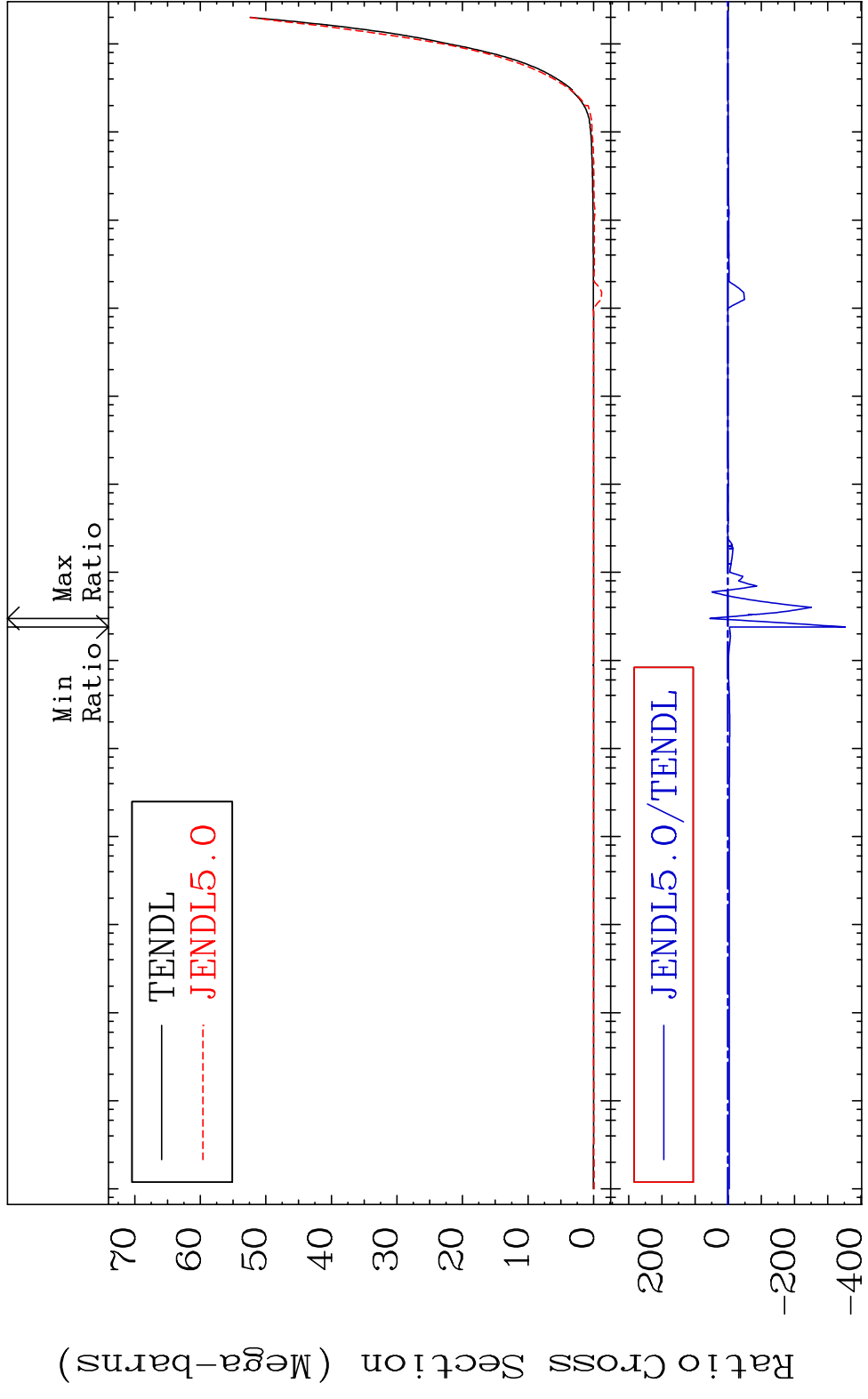
He-4 Production

42-Mo-99

Cross Section -100.0 To 380.3 %



MAT 4246 Kerma total (eV-barns) 42-Mo-99
 Cross Section -9999. To 5474. %

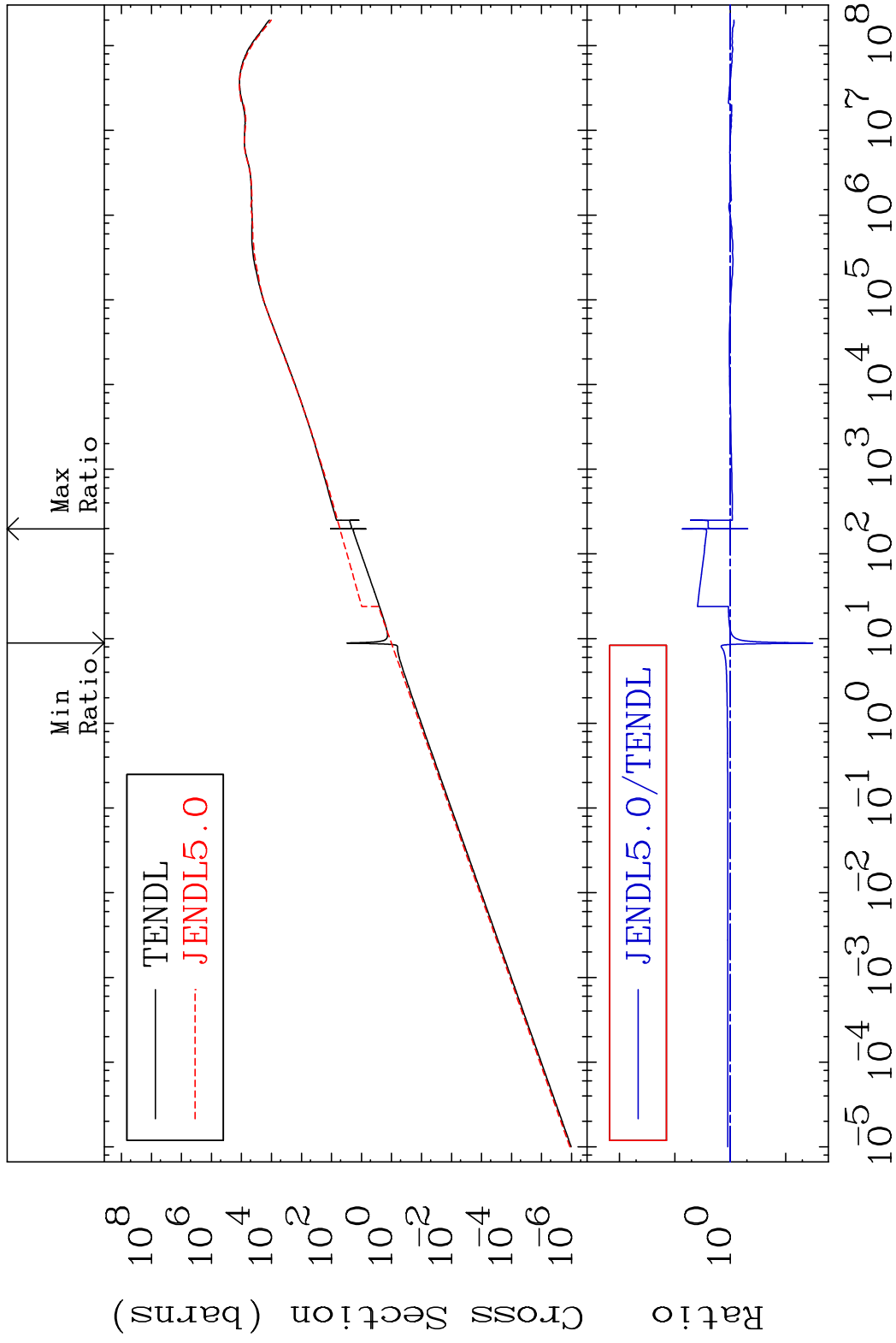


MAT 4246

Kerma elastic
Cross Section

42-Mo-99

-96.74 To 631.5 %

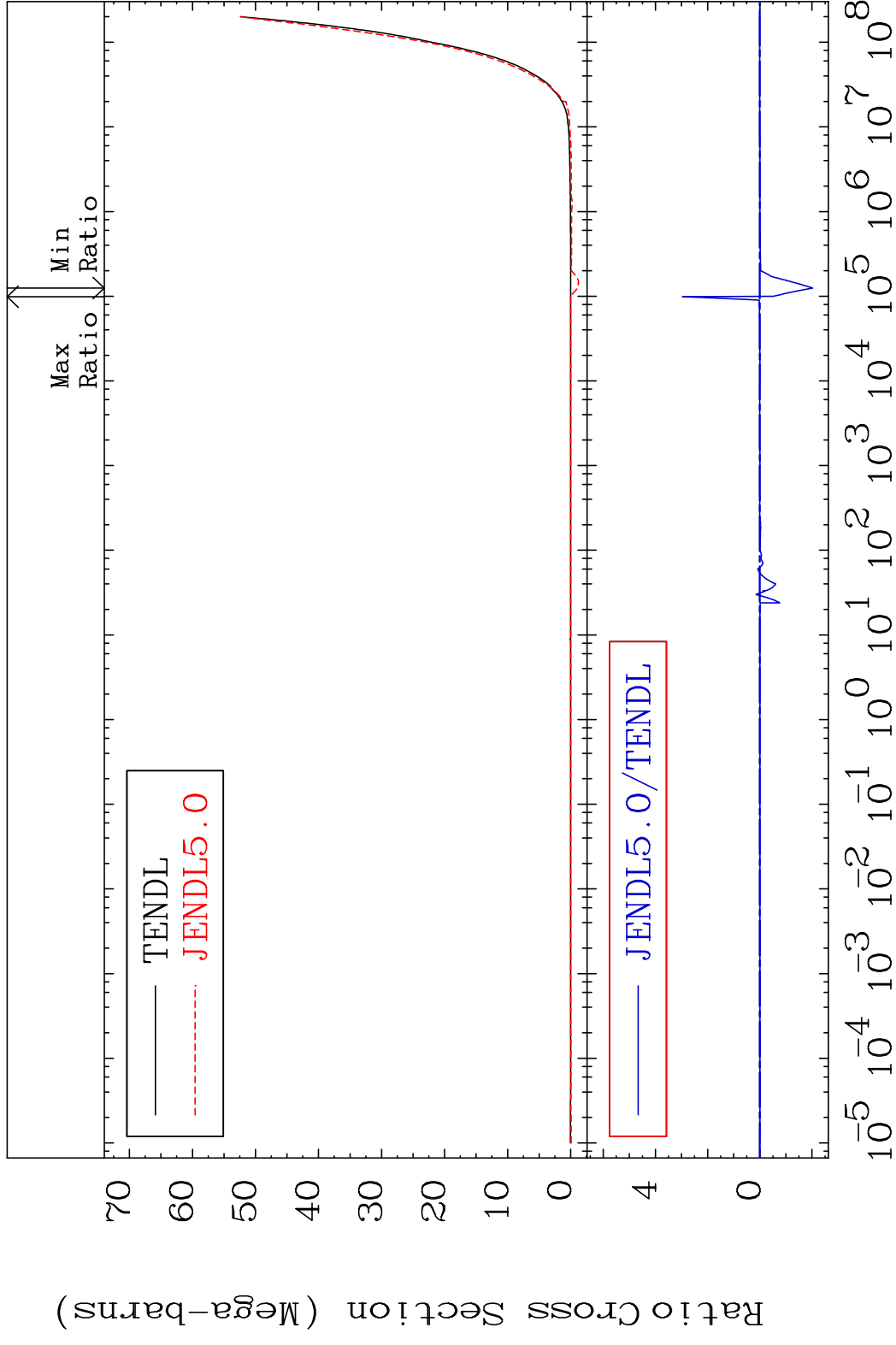


53

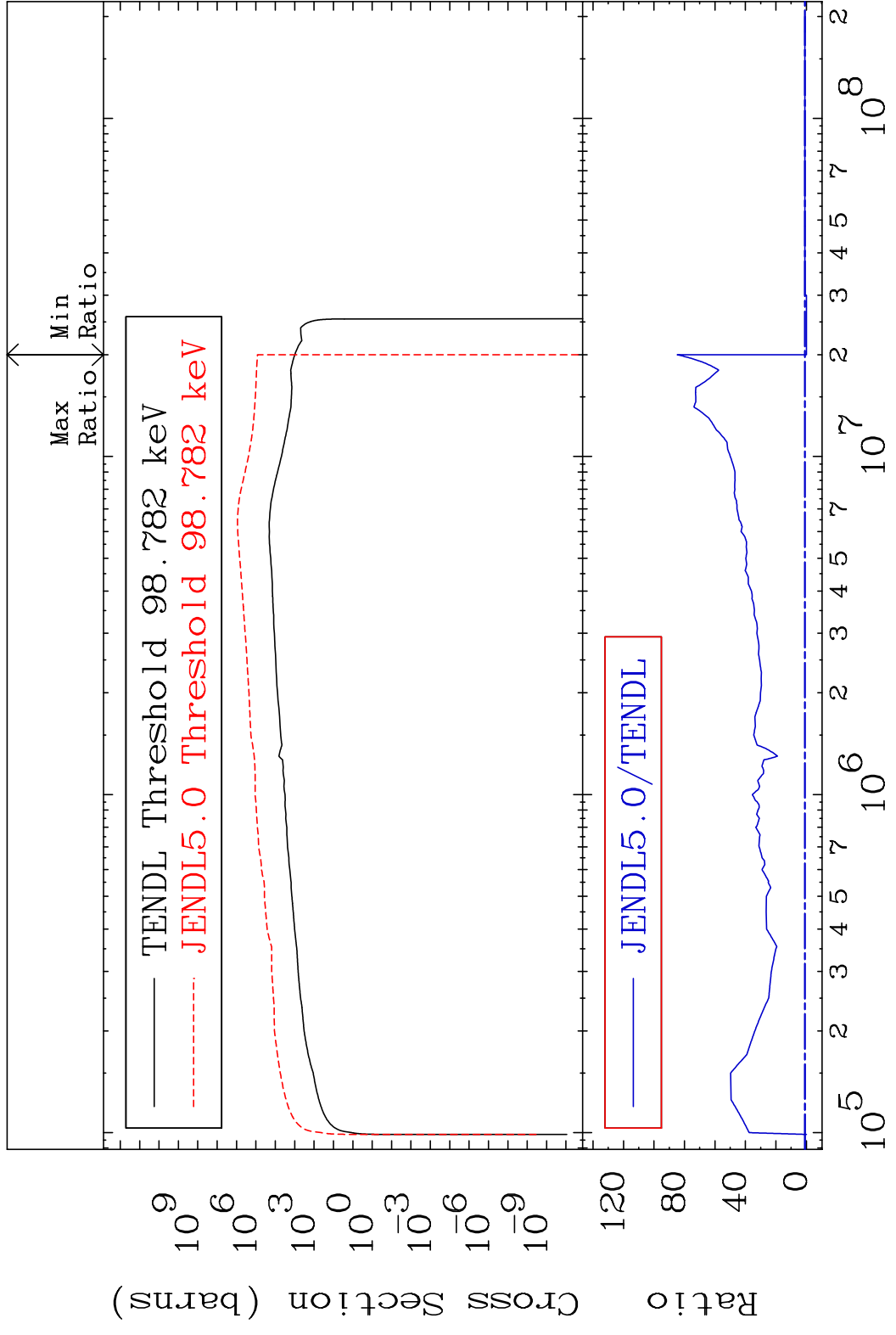
Incident Energy (eV)

42-Mo-99

MAT 4246 Kerma non-elastic (all but mt2) 42-Mo-99
 Cross Section -9999. To 9999. %

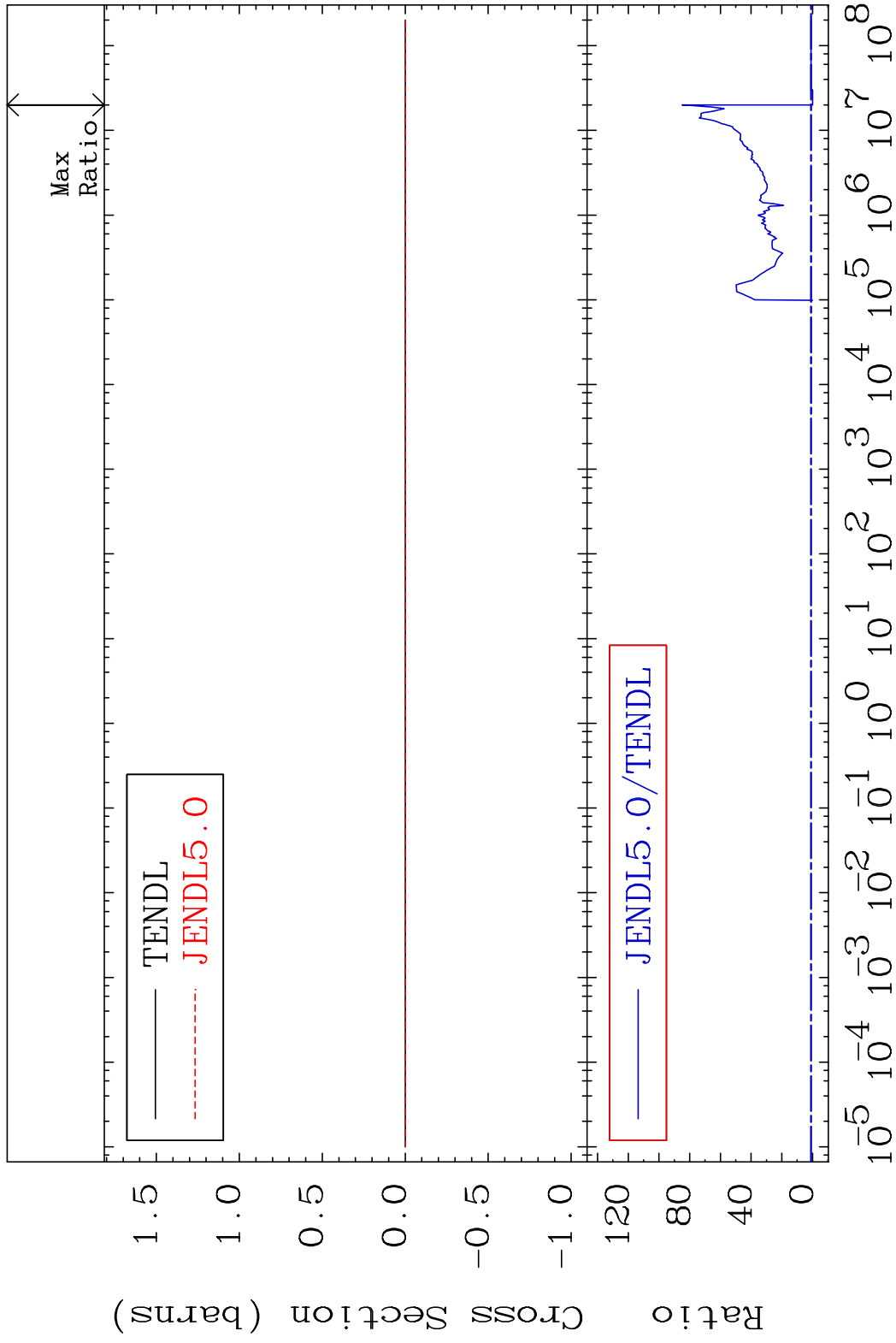


MAT 4246 Kerma inelastic (mt51-91) 42-Mo-99
 Cross Section -100.0 To 8379. %



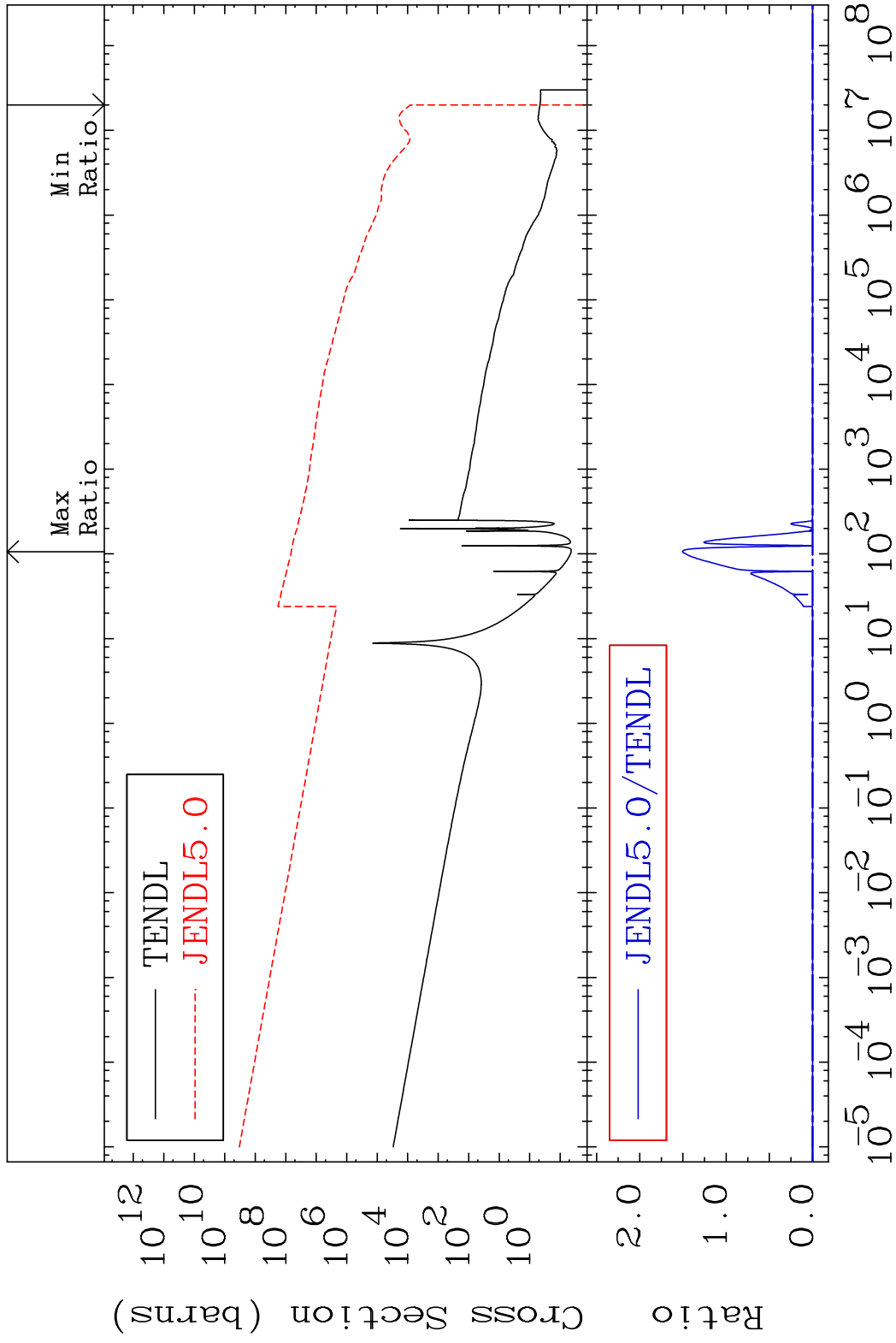
55 Incident Energy (eV) 42-Mo-99

MAT 4246 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-99
 Cross Section -100.0 To 8379. %



MAT 4246

Kerma capture (mt102) 42-Mo-99
Cross Section -100.0 To 9999. %

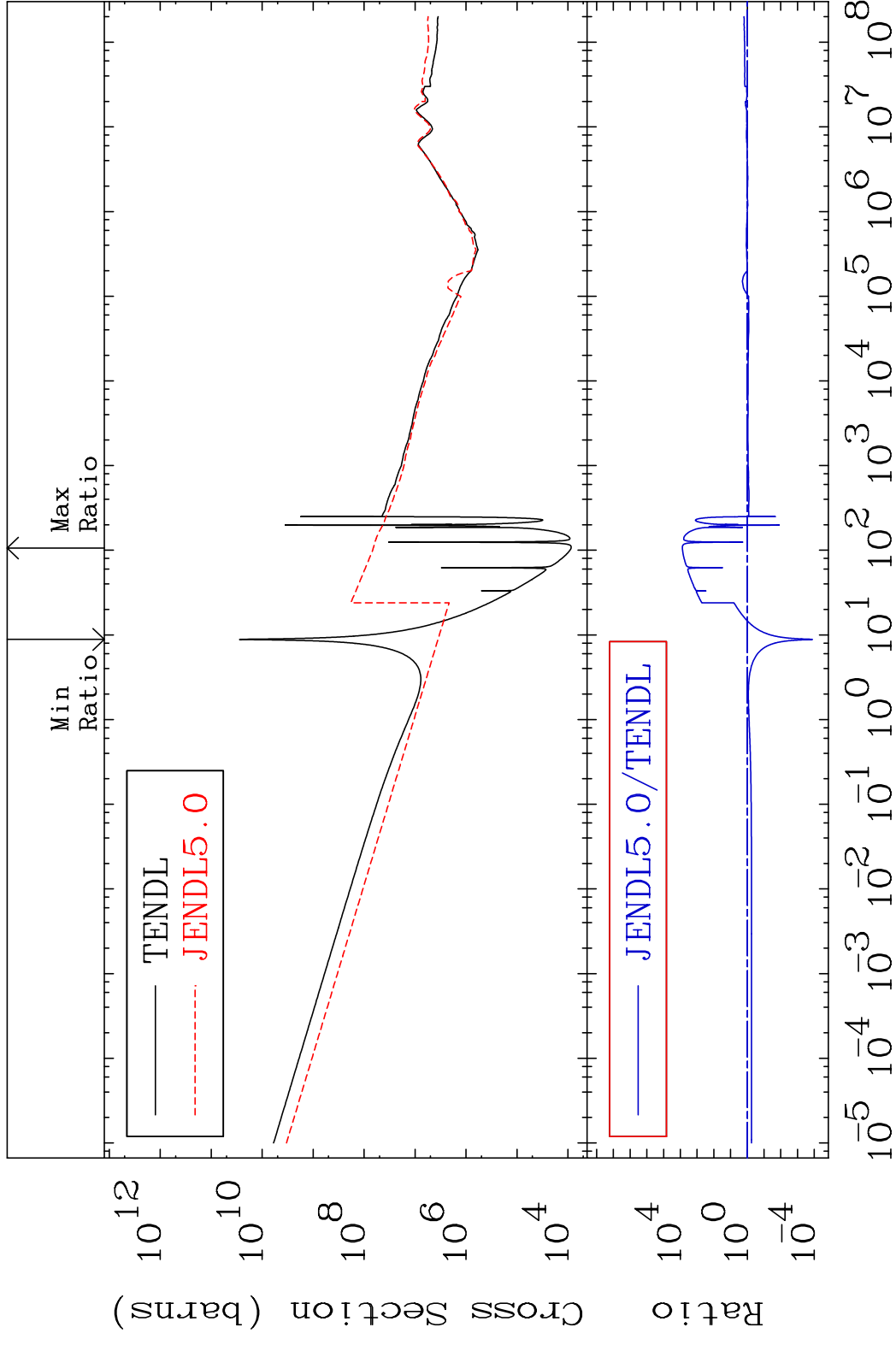


57

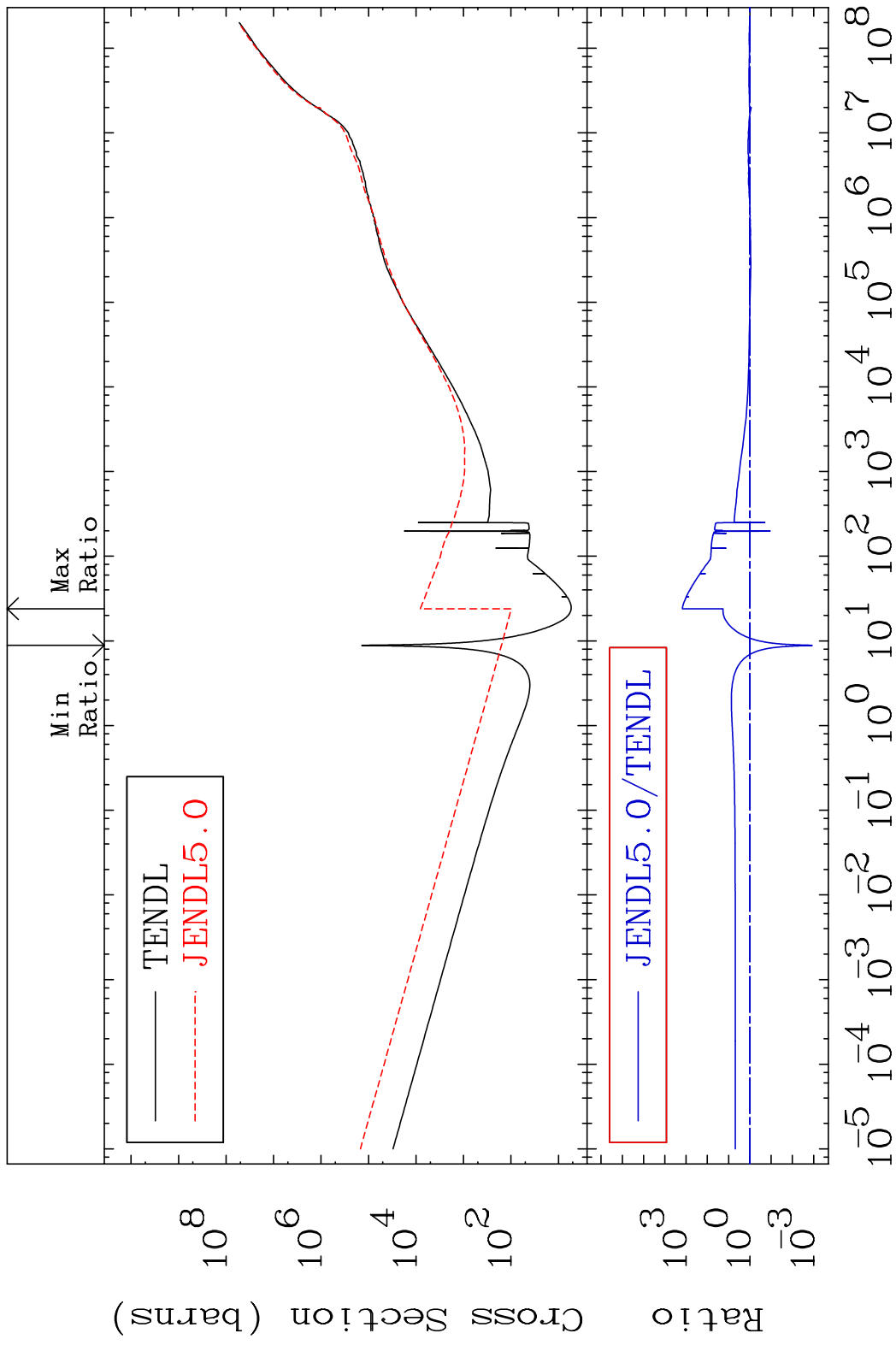
Incident Energy (eV)

42-Mo-99

MAT 4246 Total photon (eV-barns) 42-Mo-99
 Cross Section -99.99 To 9999. %



MAT 4246 Total kinematic kerma (high limit) 42-Mo-99
Cross Section -99.89 To 9999. %

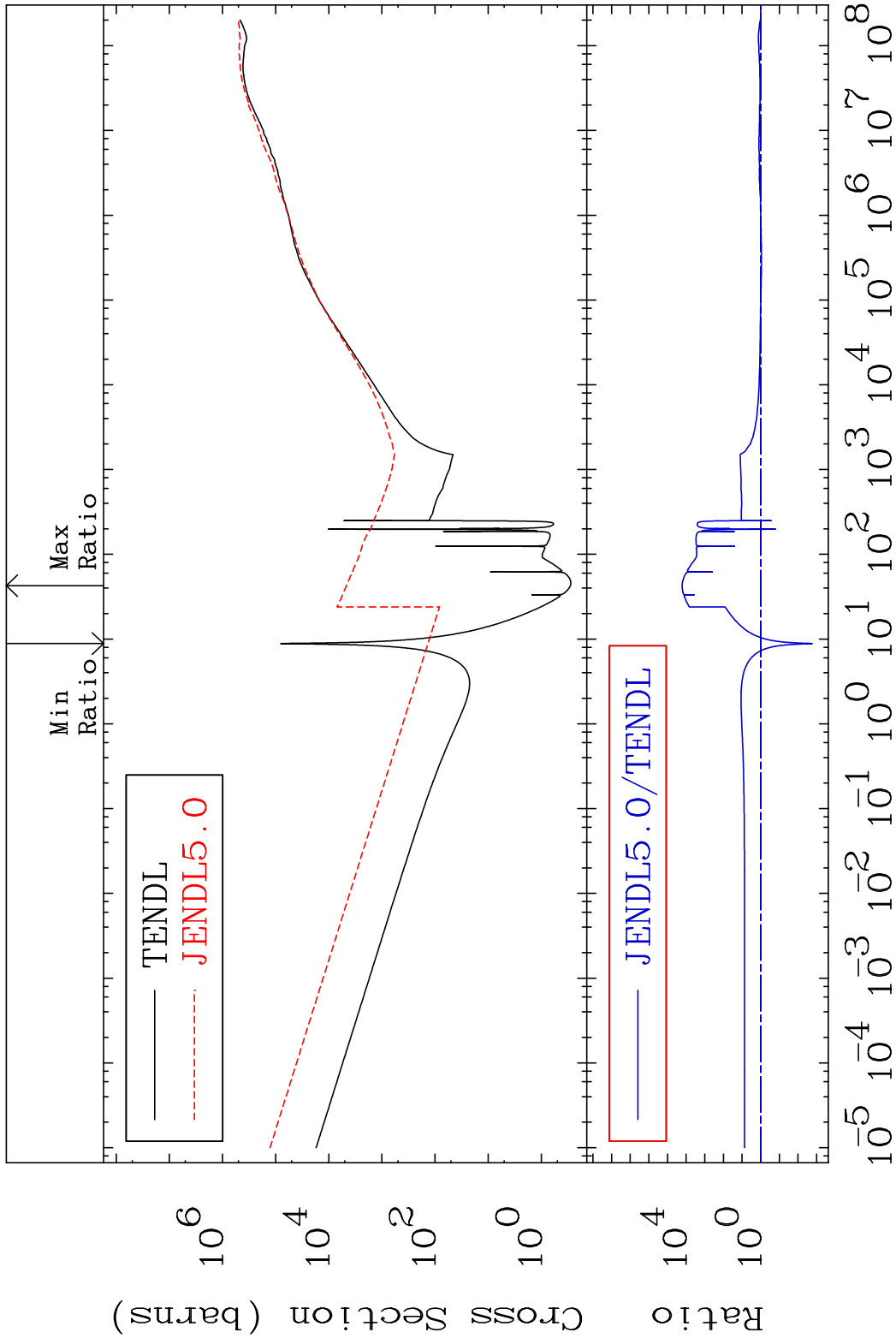


MAT 4246

Dpa total (eV-barns)

42-Mo-99

Cross Section -99.83 To 9999. %



60

Incident Energy (eV)

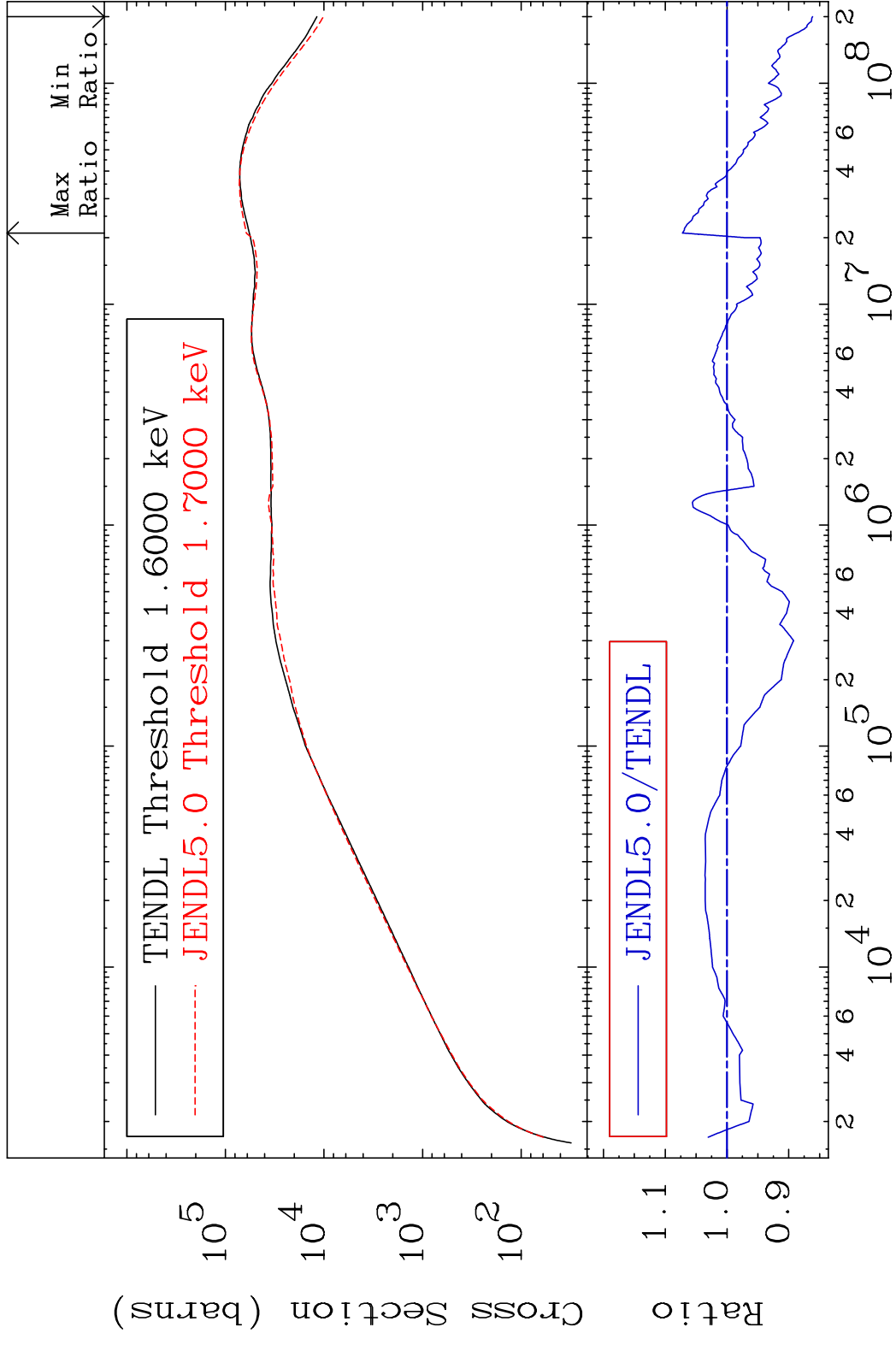
42-Mo-99

MAT 4246

Dpa elastic (mt2)

42-Mo-99

Cross Section -13.85 To 7.232 %

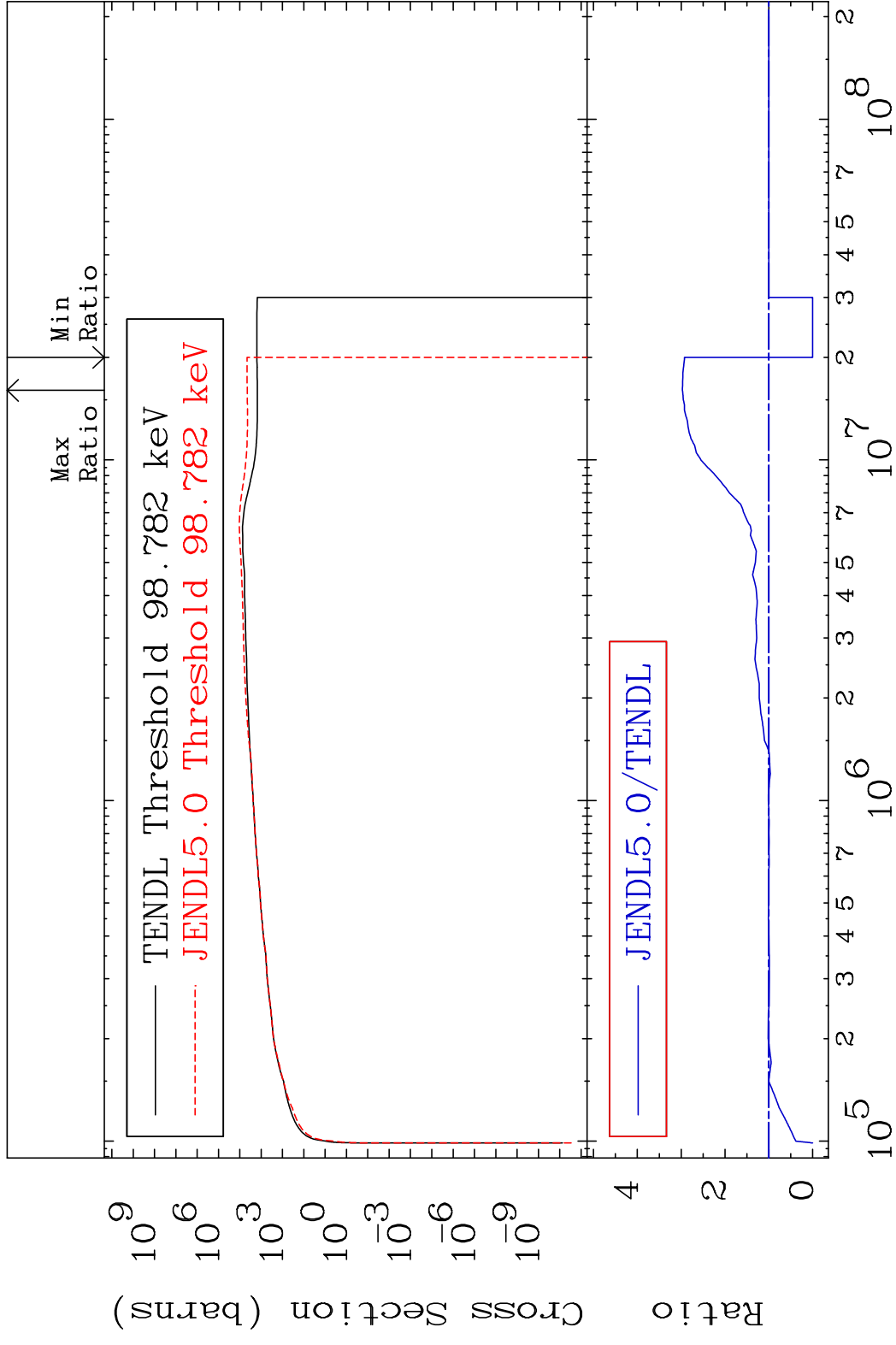


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Incident Energy (eV)

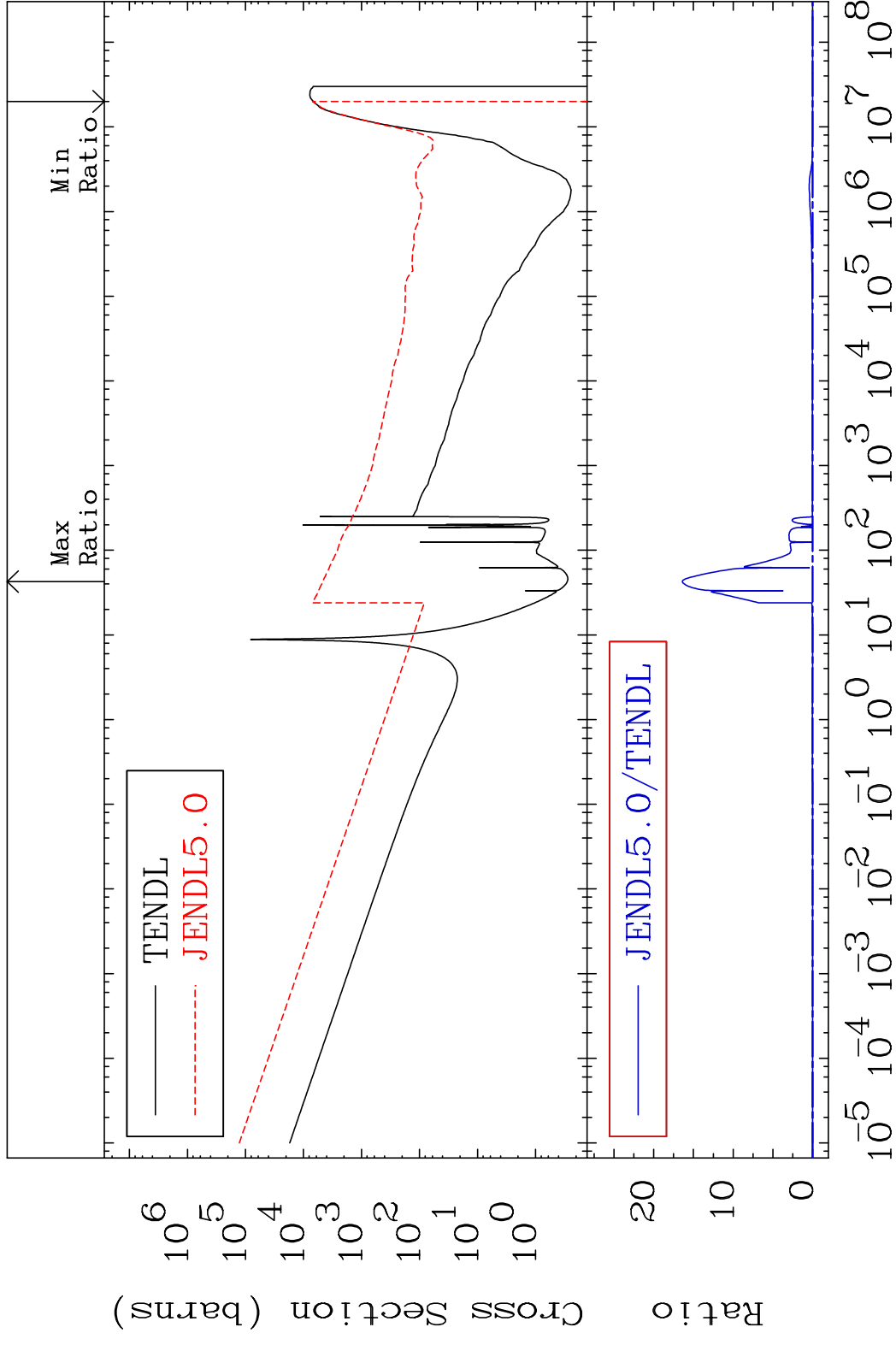
42-Mo-99

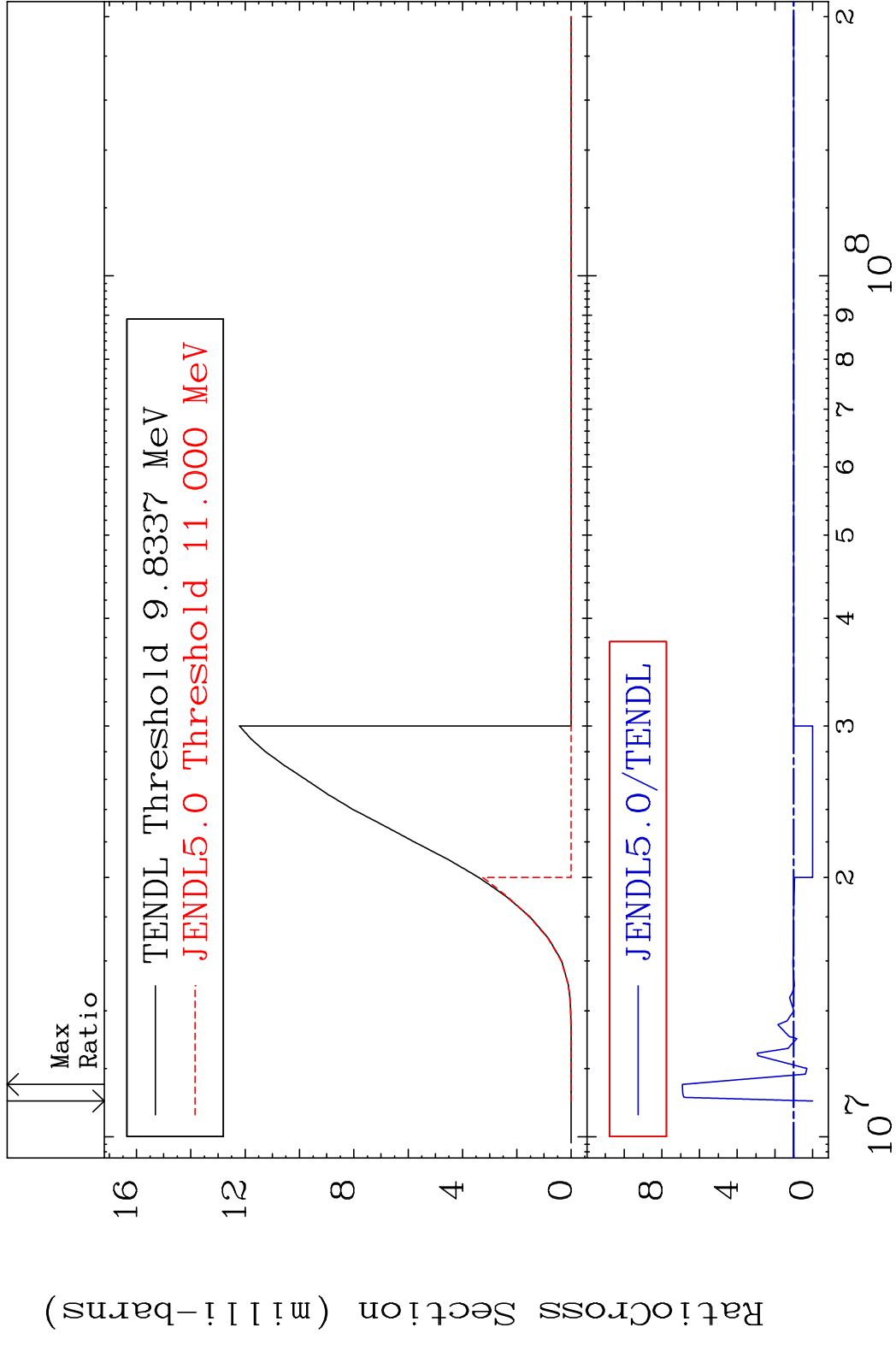
MAT 4246 Dpa inelastic (mt51-91) 42-Mo-99
 Cross Section -100.0 To 197.2 %

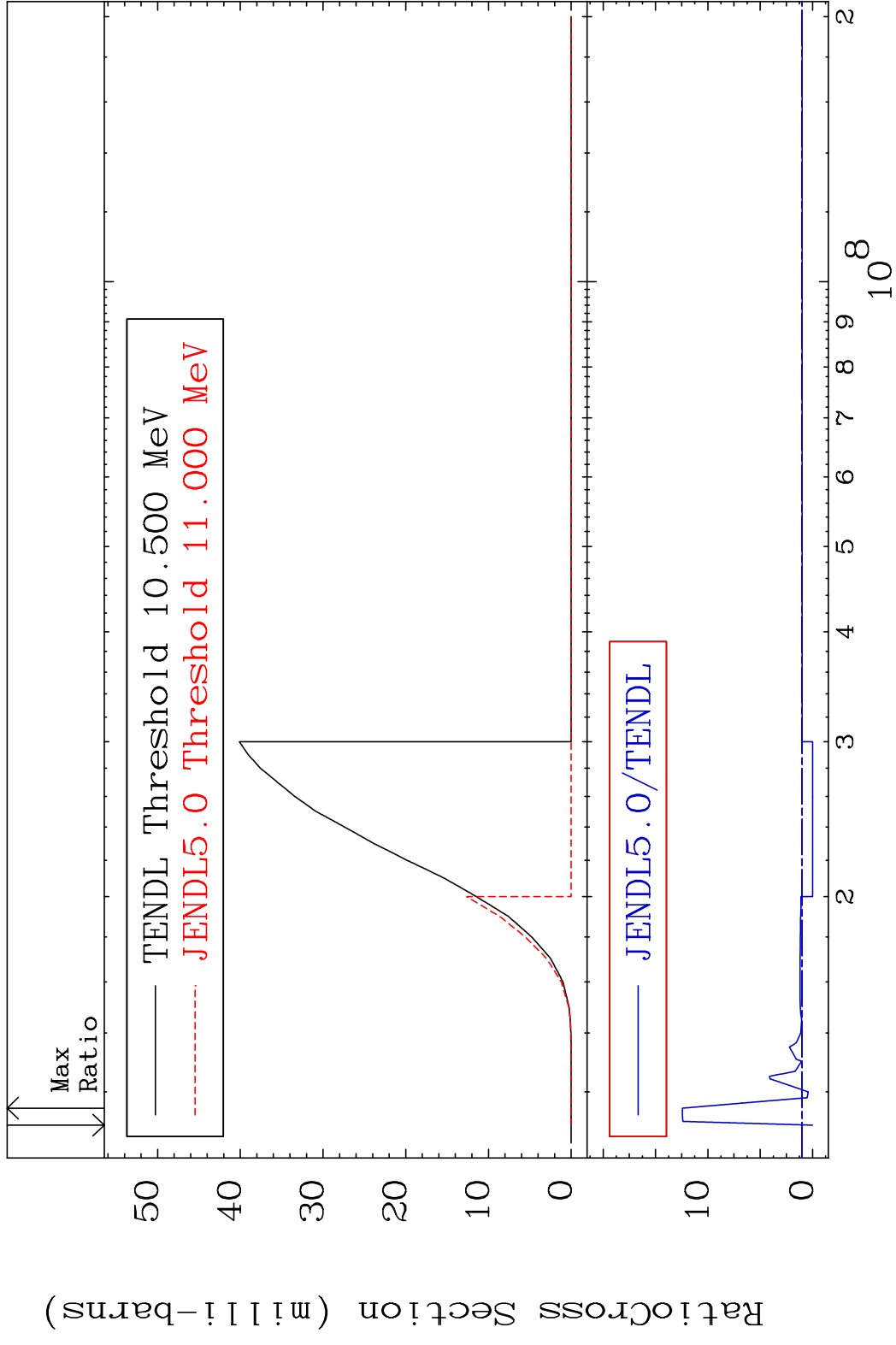


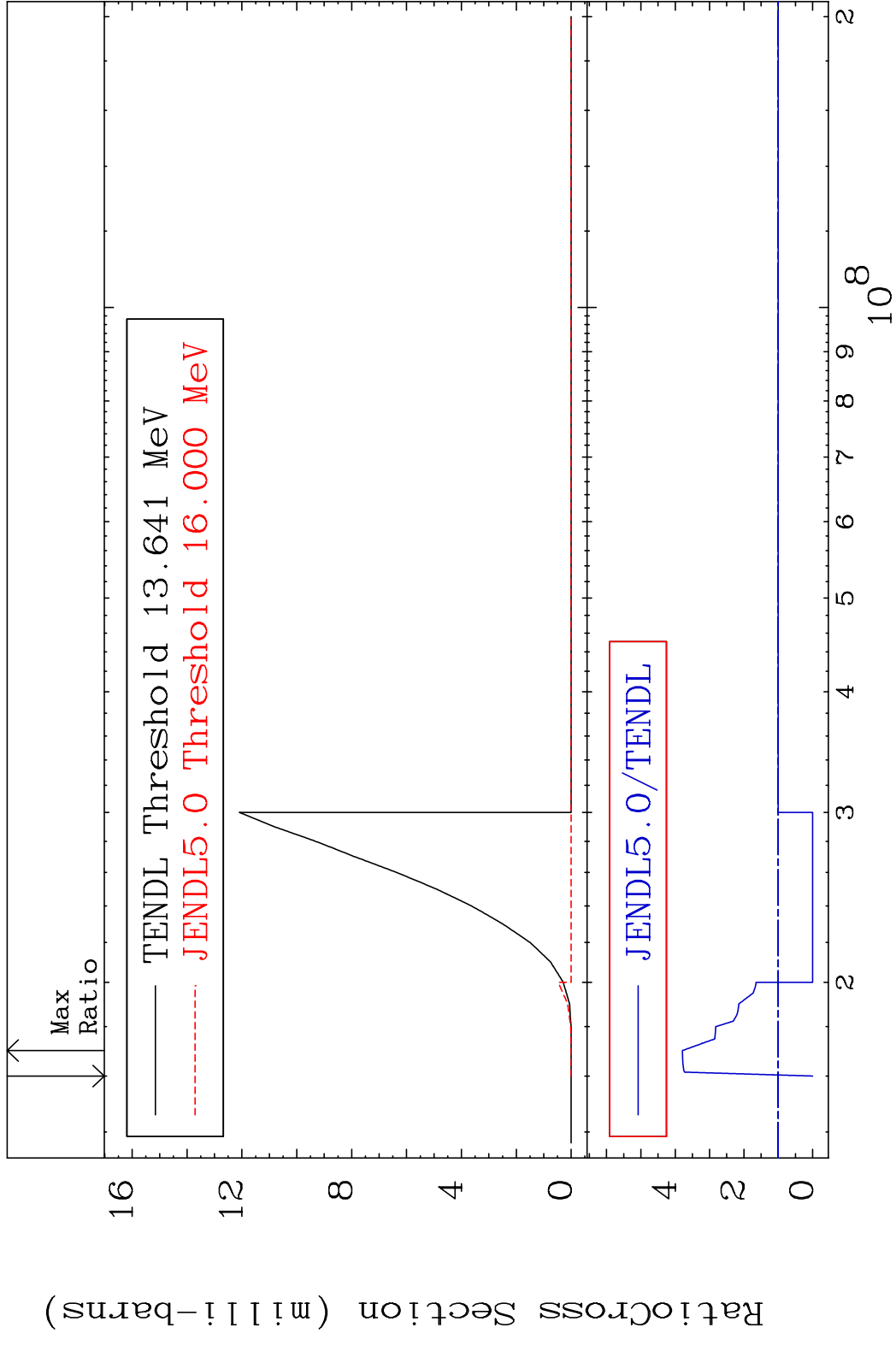
62 Incident Energy (eV) 42-Mo-99

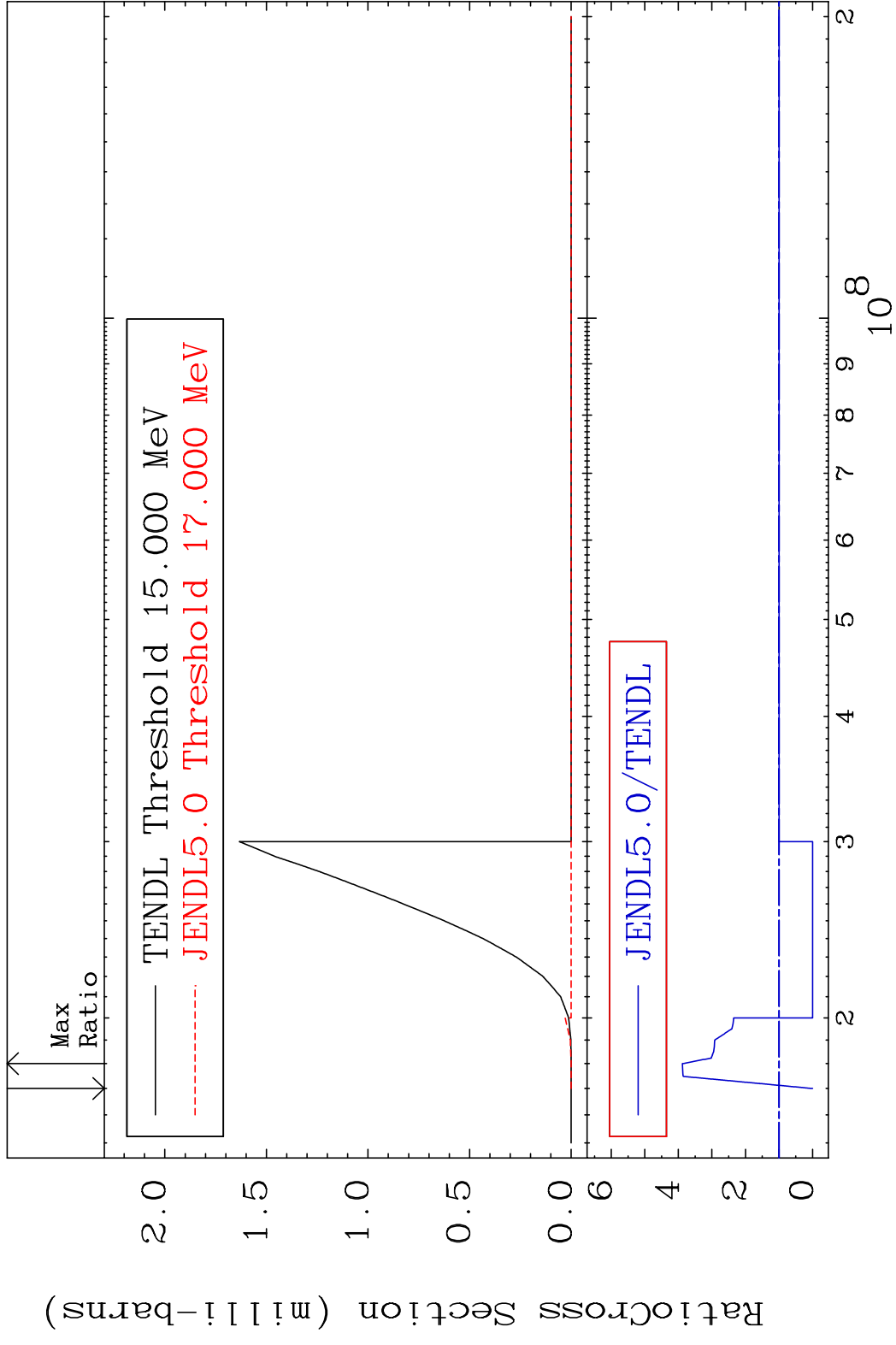
MAT 4246 Dpa disappearance (mt102 -120) 42-Mo-99
 Cross Section -100.0 To 9999. %

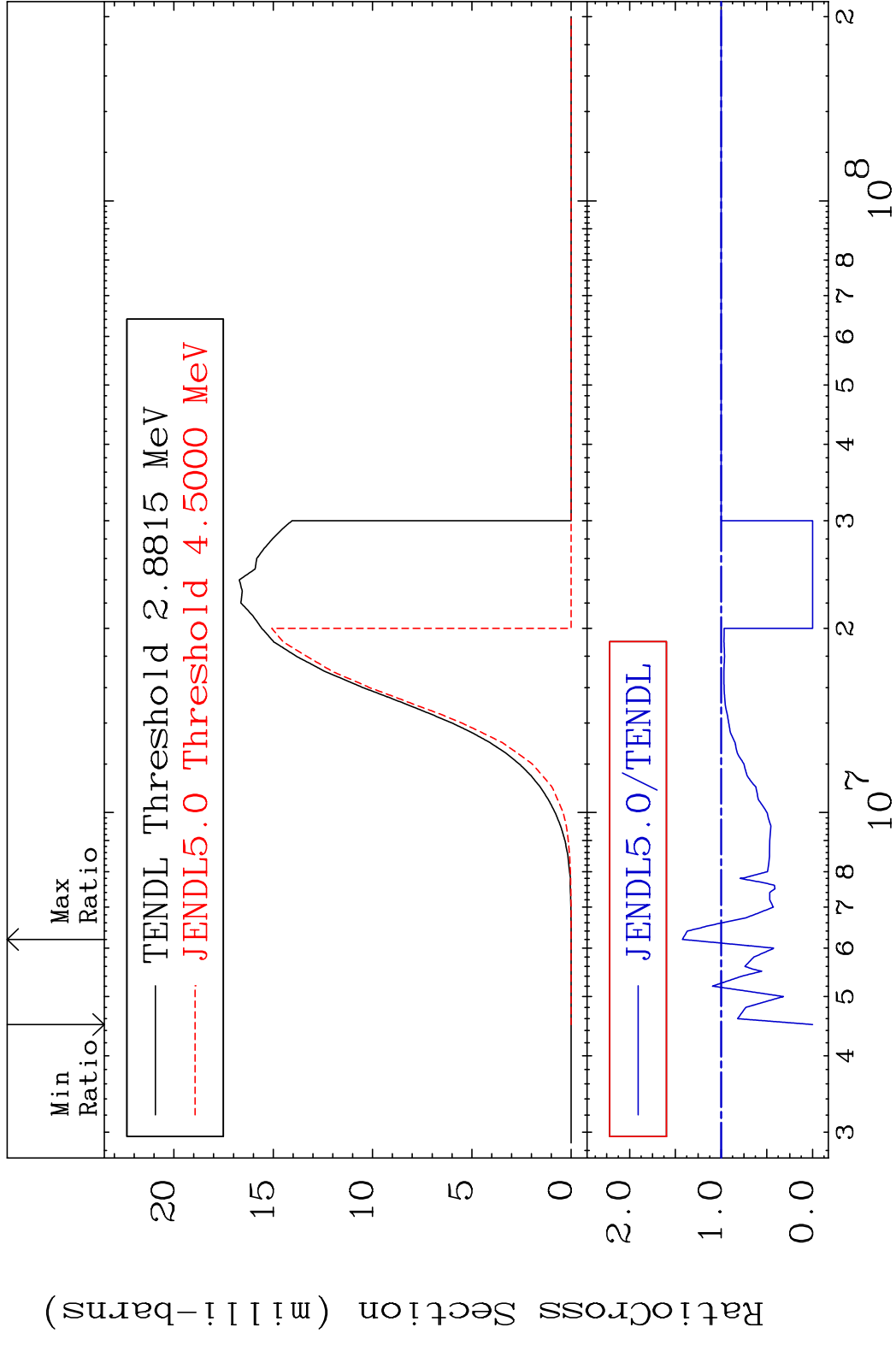




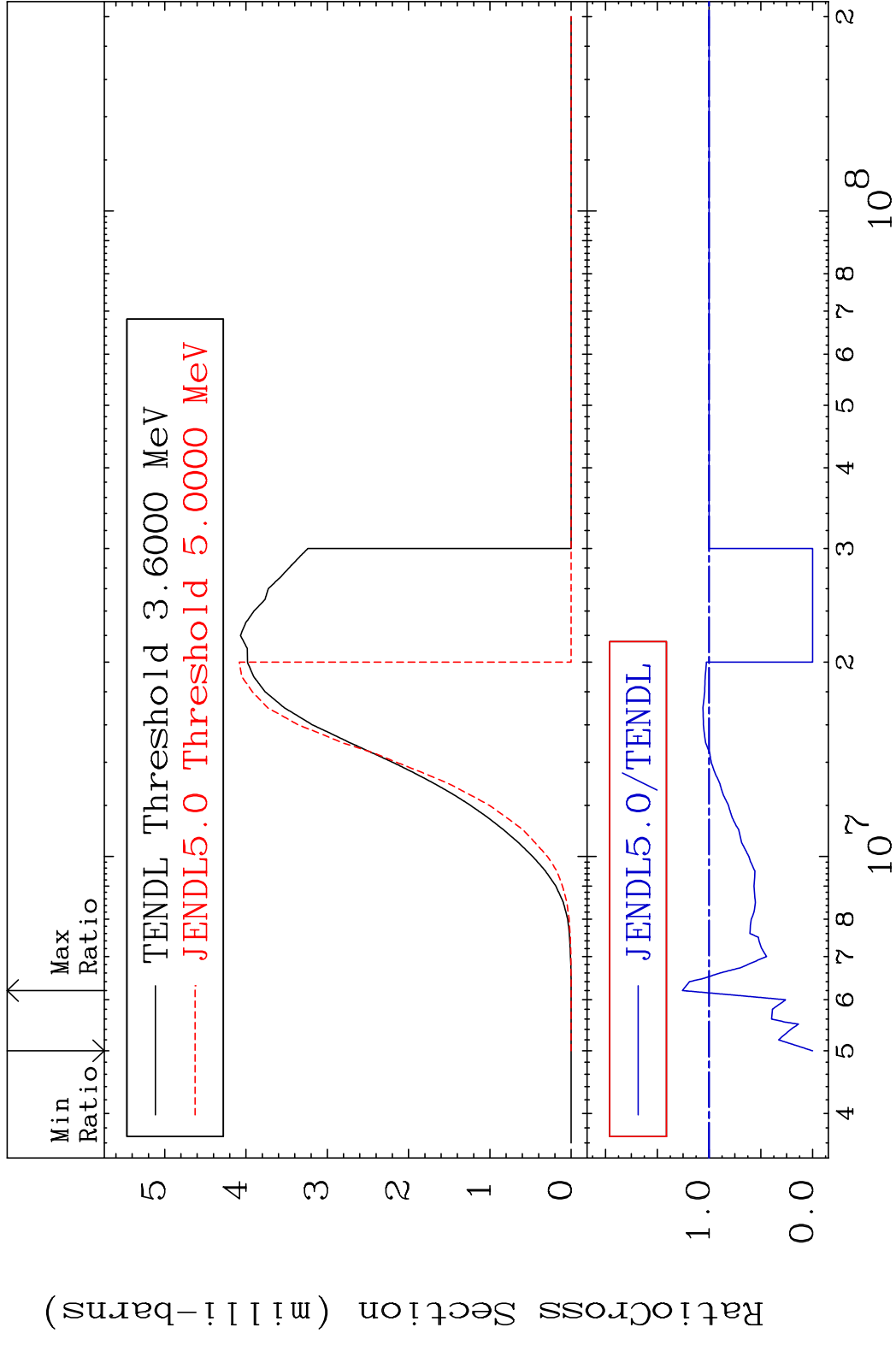




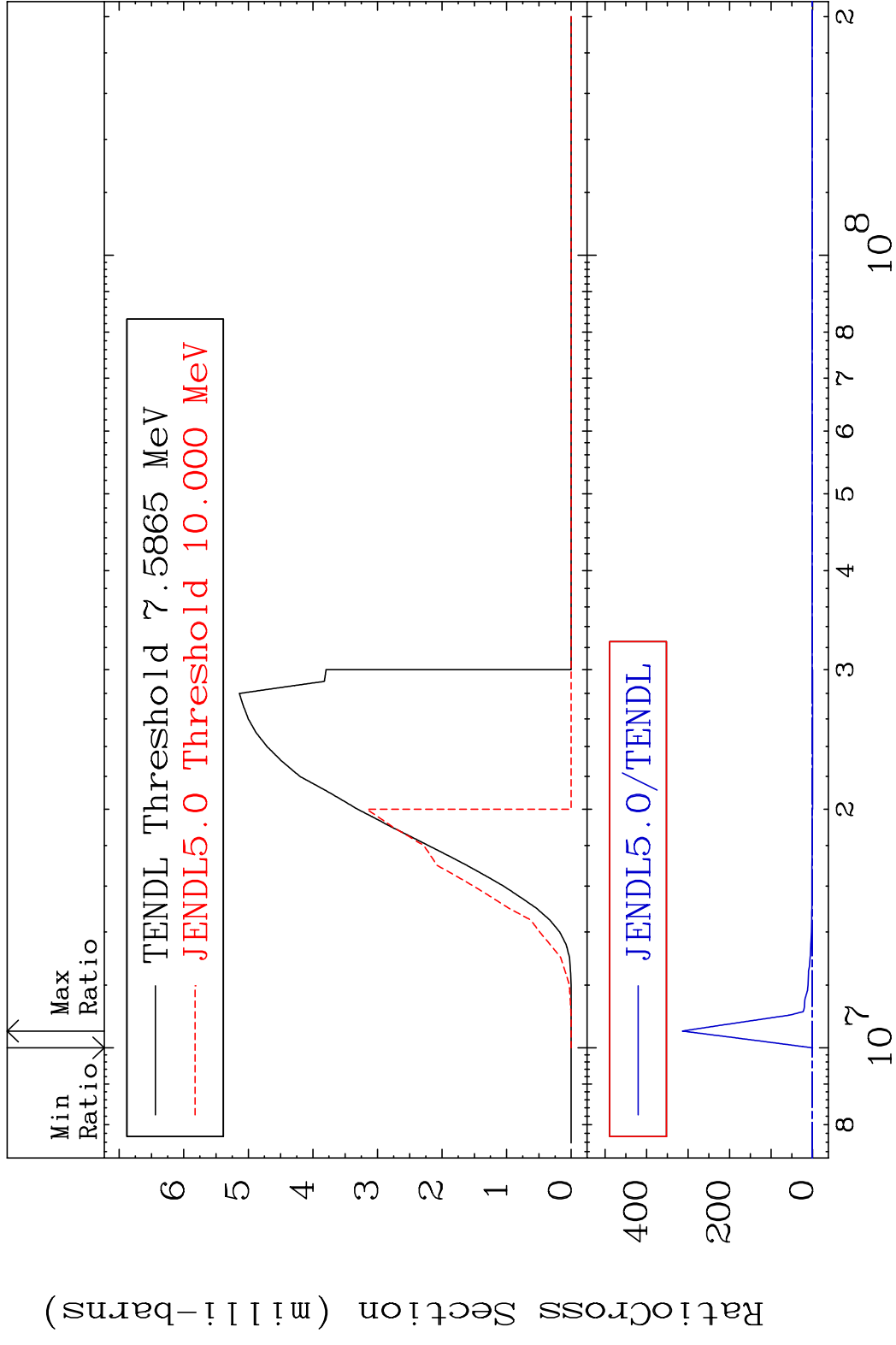




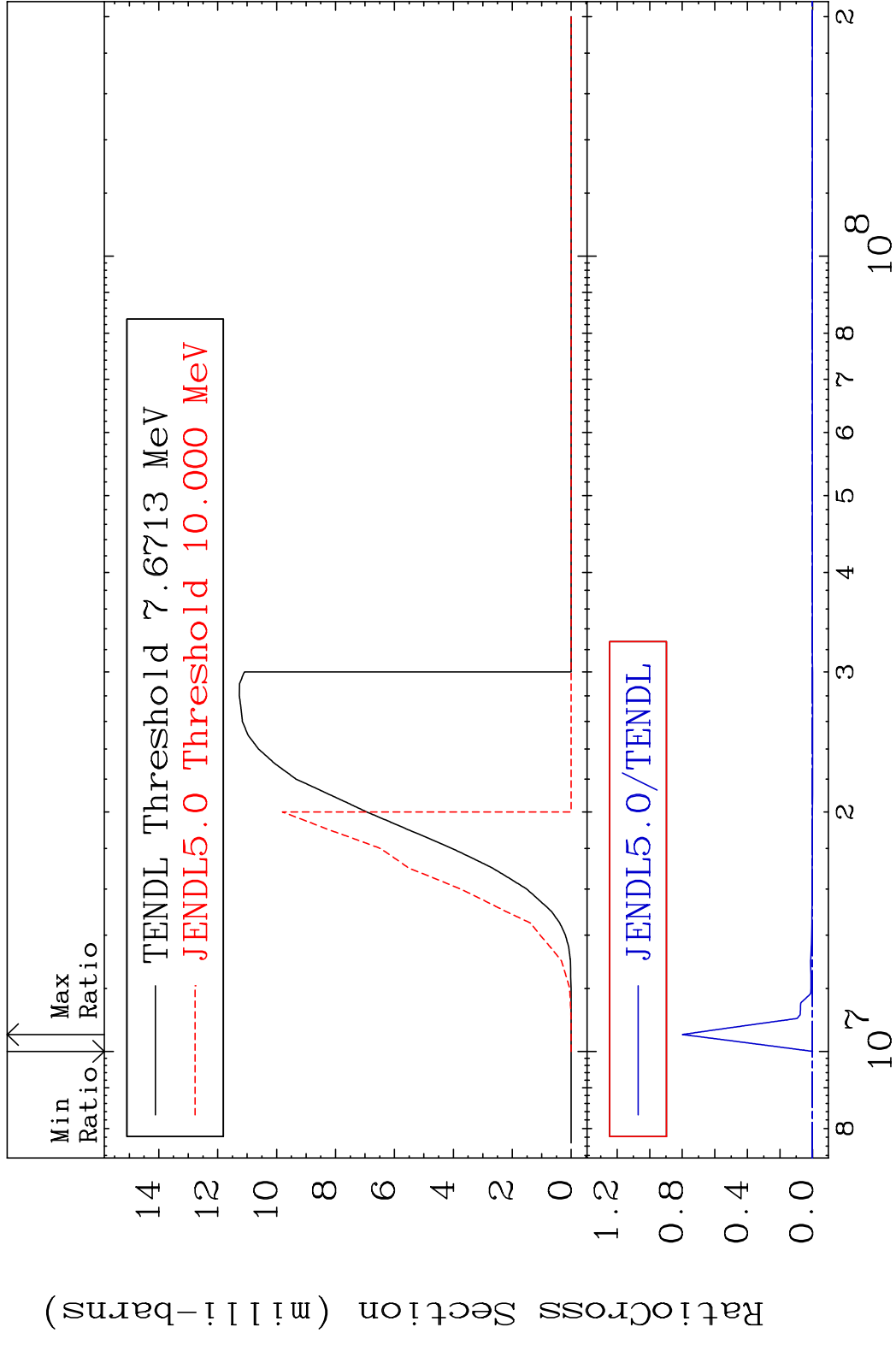
MAT 4246 (n,p):41-Nb-99m1 42-Mo-99
 Radionuclide Production Cross Section 180.01 dth 25.77 %

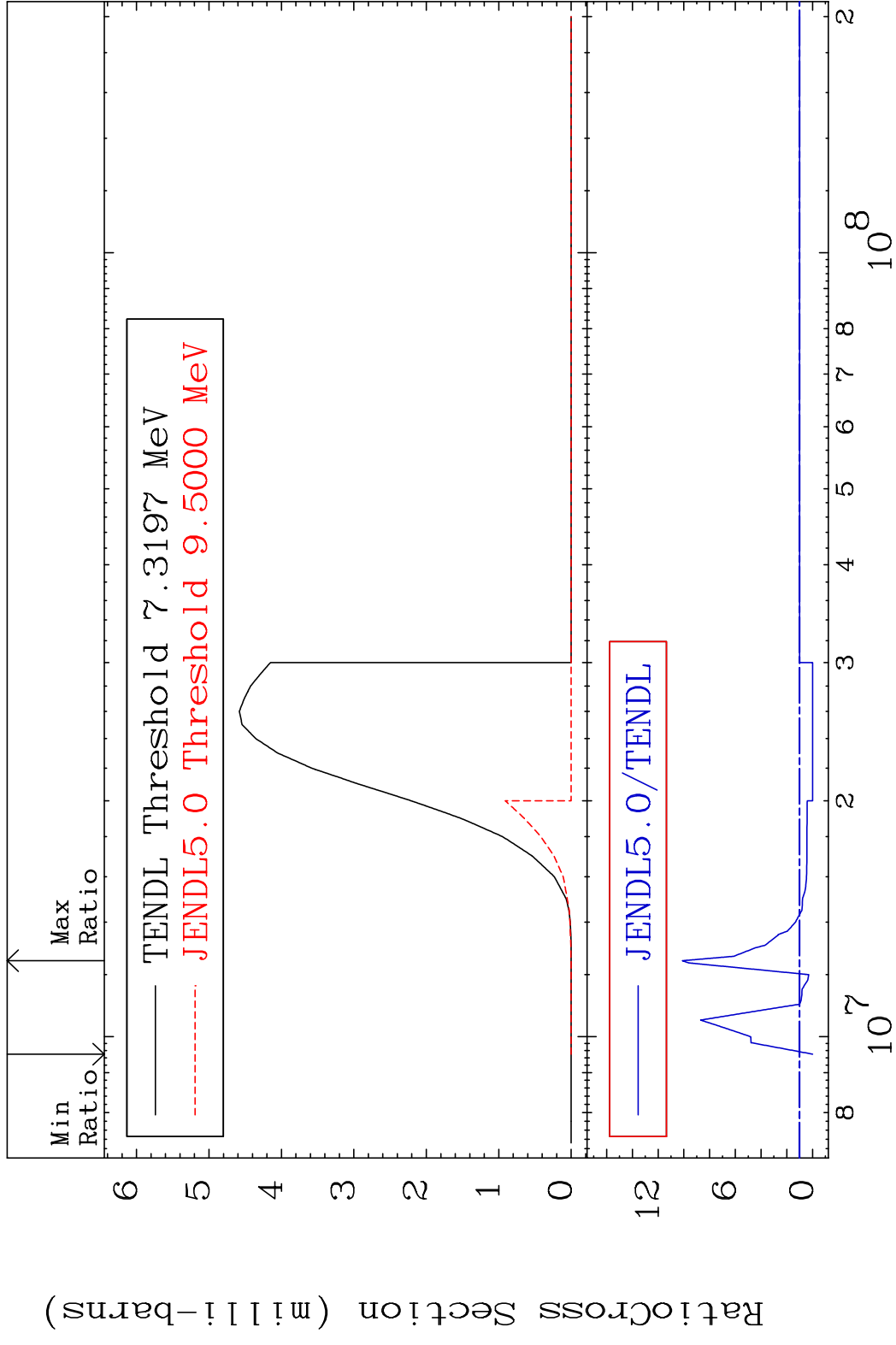


MAT 4246 (n, d): 41-Nb-98g 42-Mo-99
 Radionuclide Production Cross Section (%)

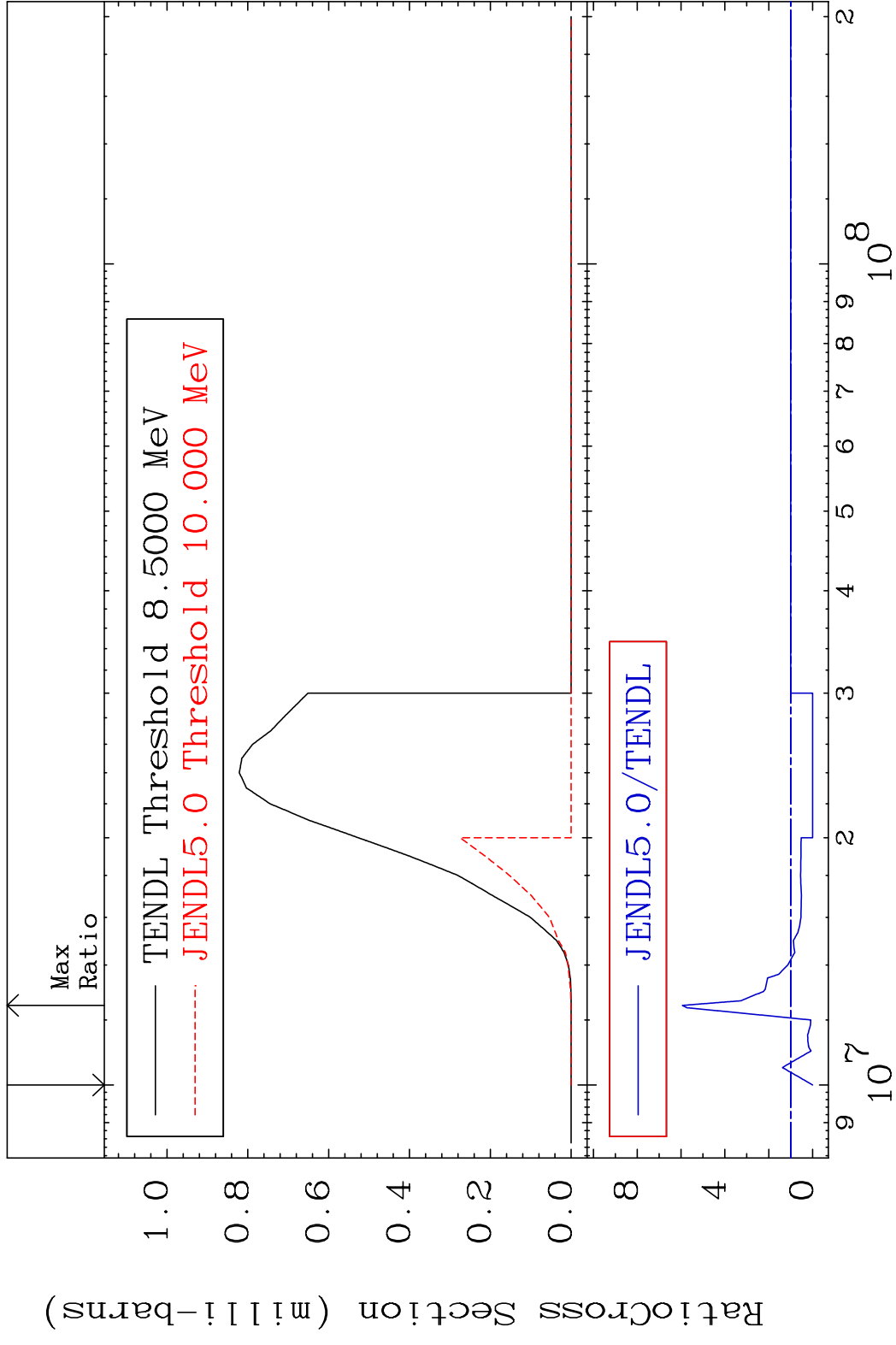


70 Incident Energy (eV) 42-Mo-99





MAT 4246 (n, t): 41-Nb-97m1 42-Mo-99
 Radionuclide Production Cross Section 180.0 mb 494.0 %

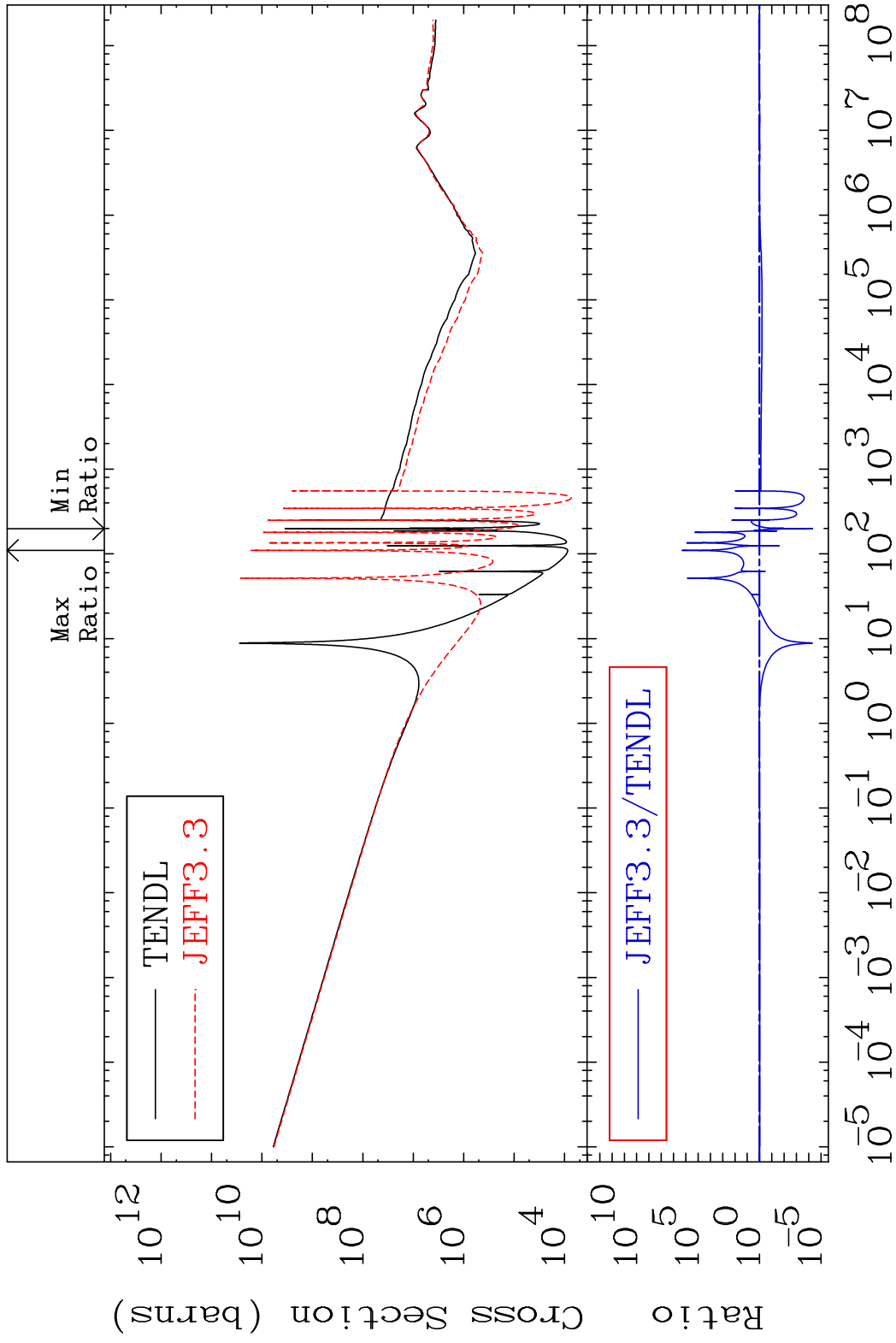


MAT 4246

Total photon (eV-barns)

42-Mo-99

Cross Section -100.0 To 9999. %

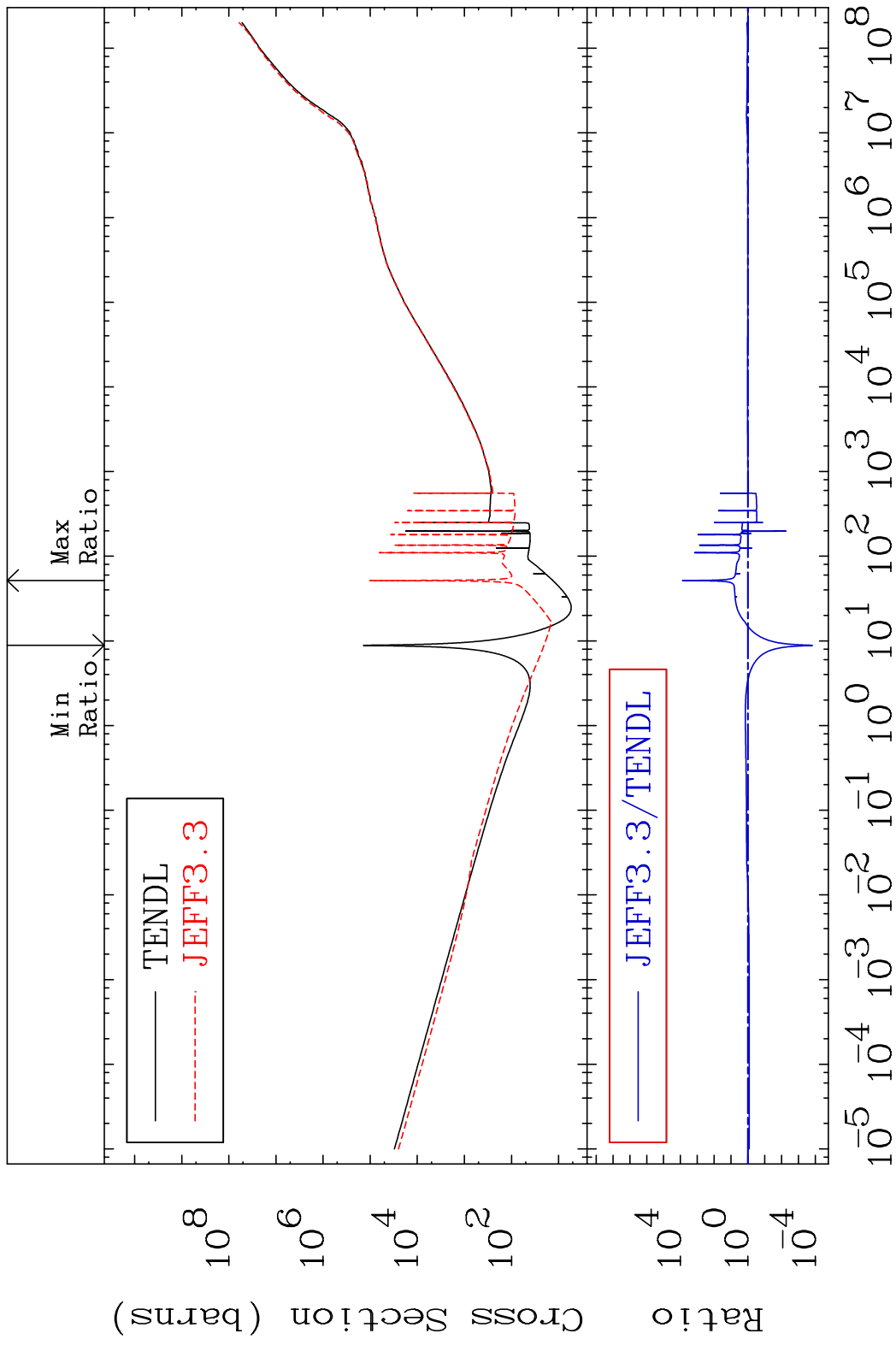


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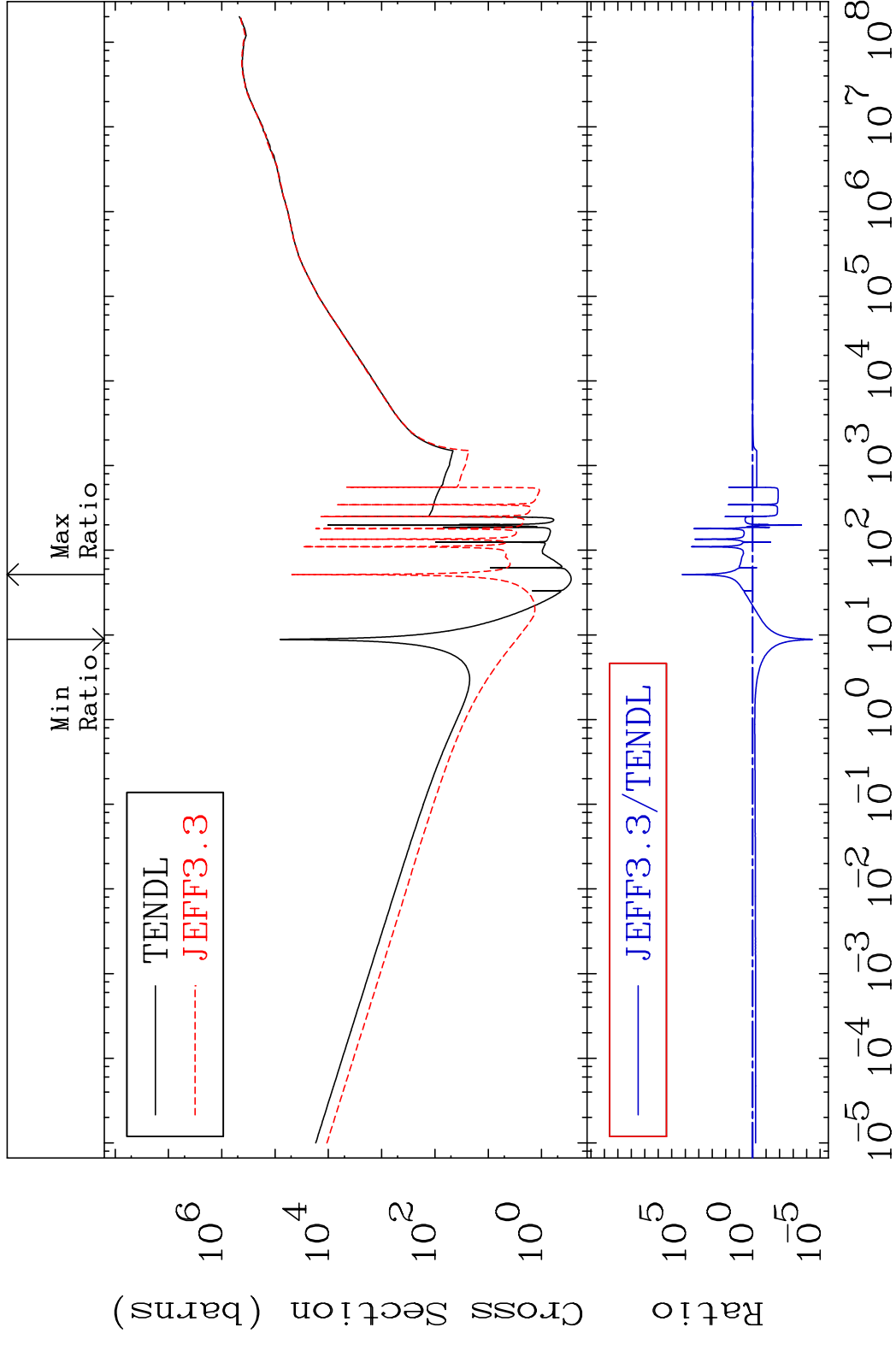
Incident Energy (eV)

42-Mo-99

MAT 4246 Total kinematic kerma (high limit) 42-Mo-99
 Cross Section -99.99 To 9999. %



MAT 4246 Dpa total (eV-barns) 42-Mo-99
 Cross Section -100.0 To 9999. %



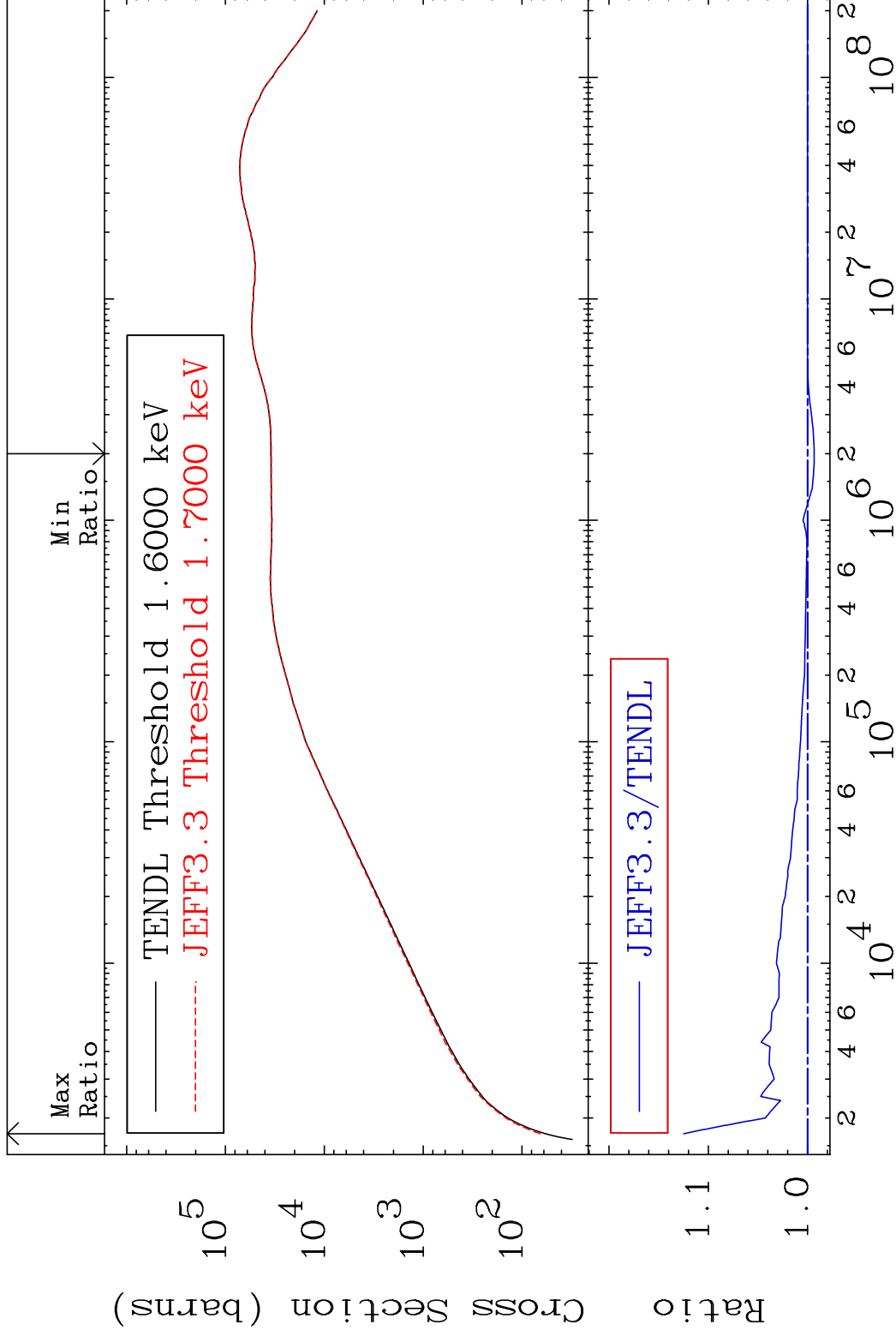
MAT 4246

Dpa elastic (mt2)

42-Mo-99

Cross Section

-0.661 To 12.48 %

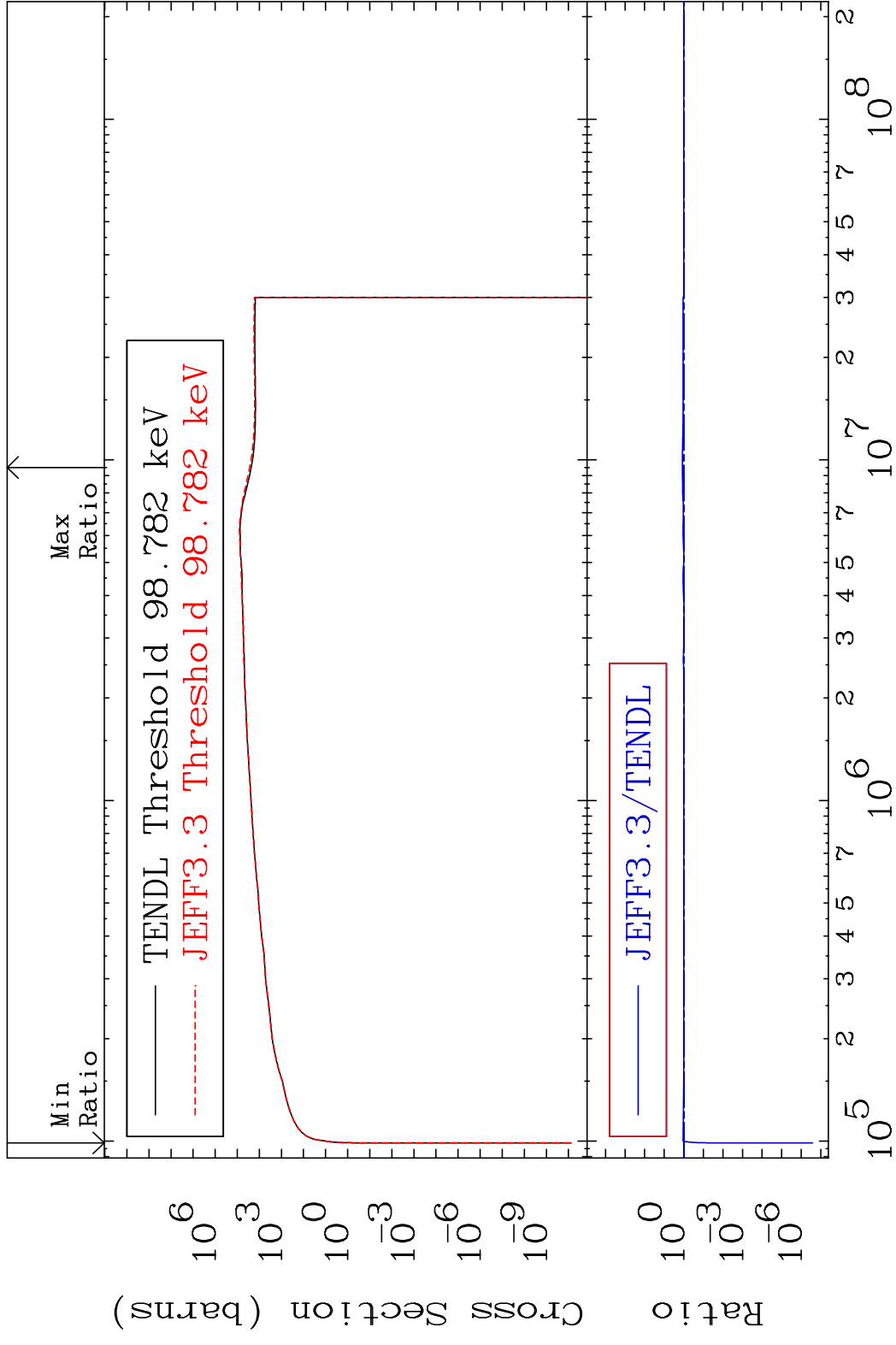


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Incident Energy (eV)

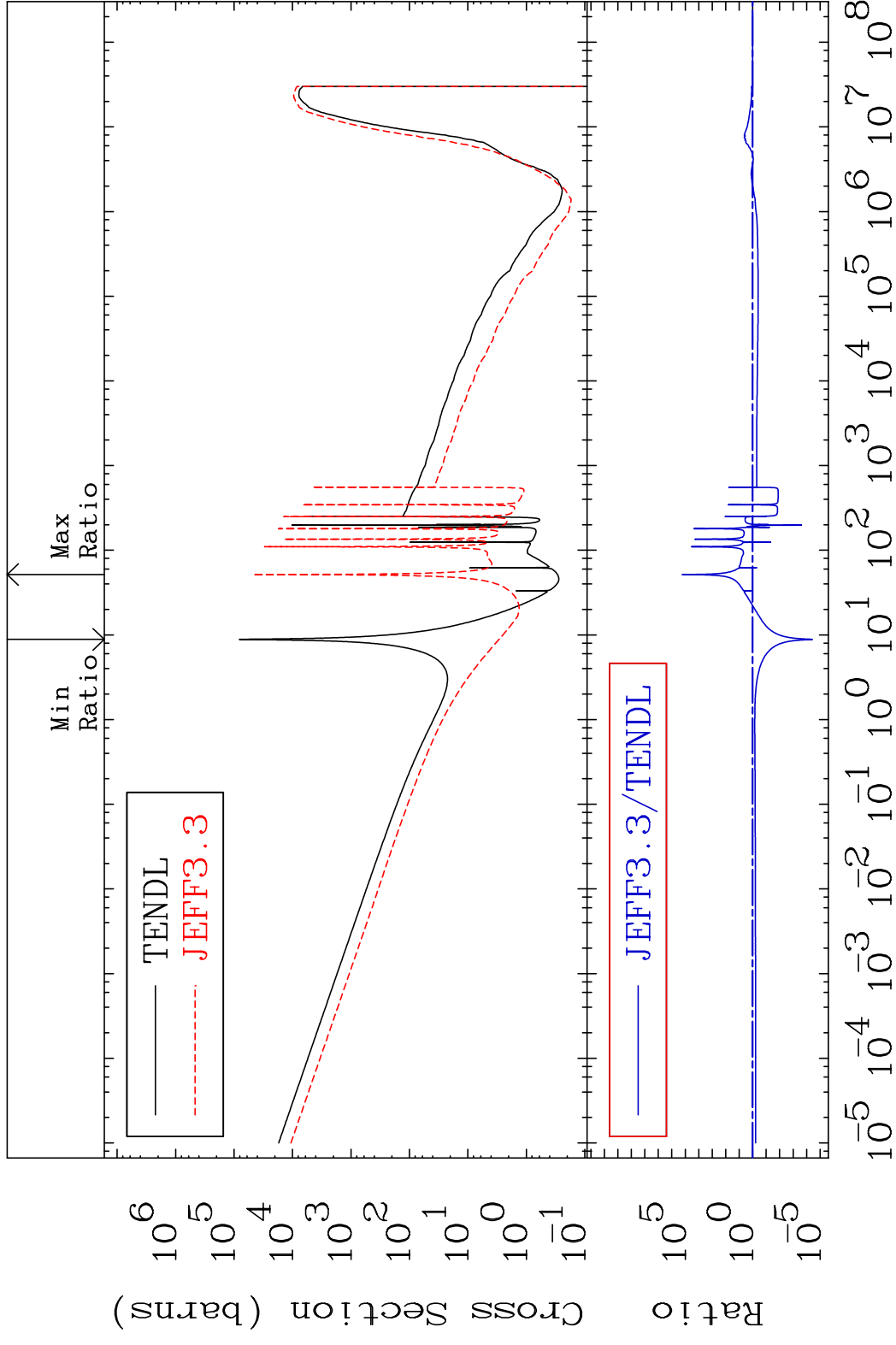
42-Mo-99

MAT 4246 Dpa inelastic (mt51-91) 42-Mo-99
 Cross Section -100.0 To 18.42 %

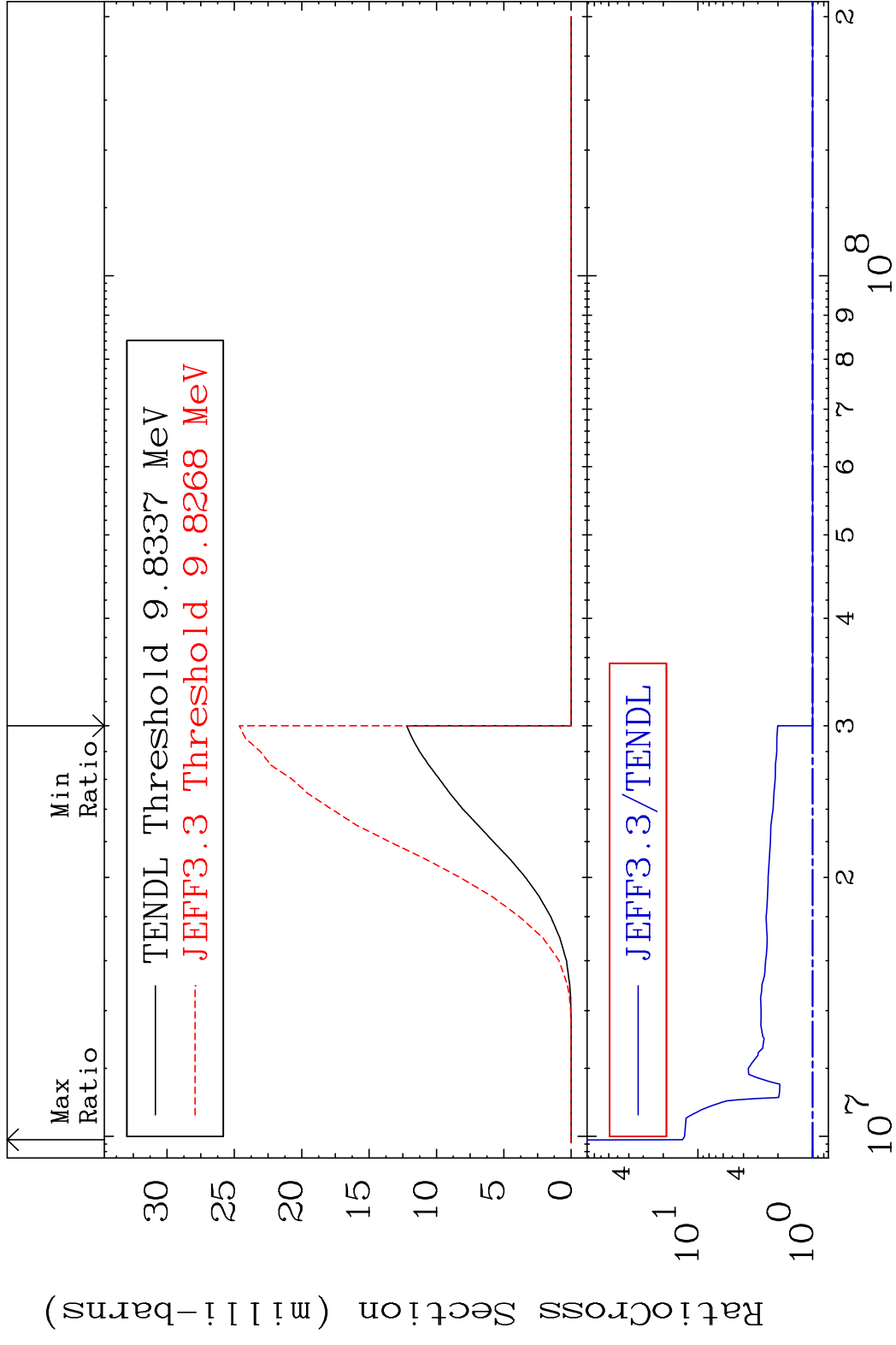


78 Incident Energy (eV) 42-Mo-99

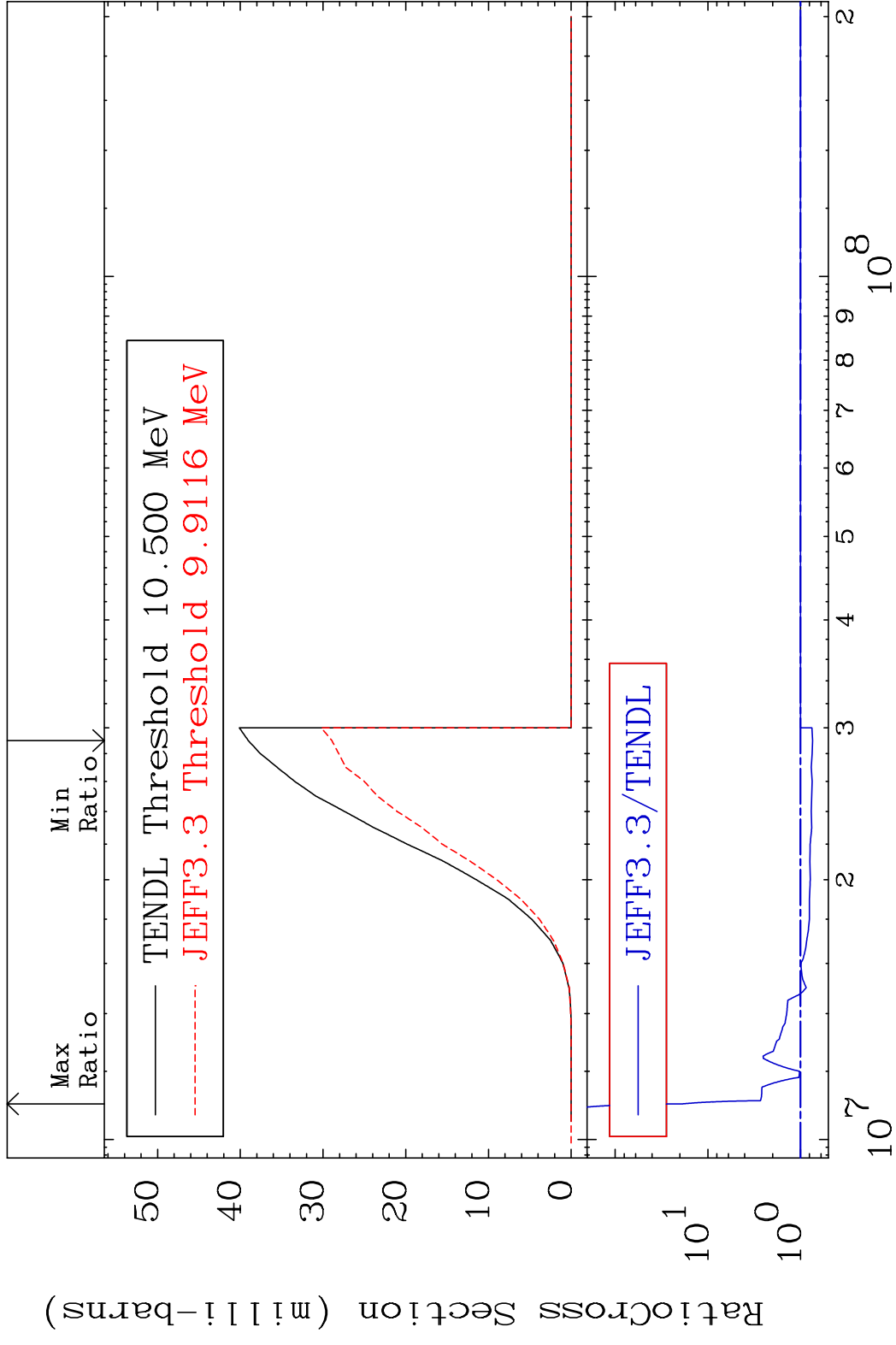
MAT 4246 Dpa disappearance (mt102 -120) 42-Mo-99
 Cross Section -100.0 To 9999. %

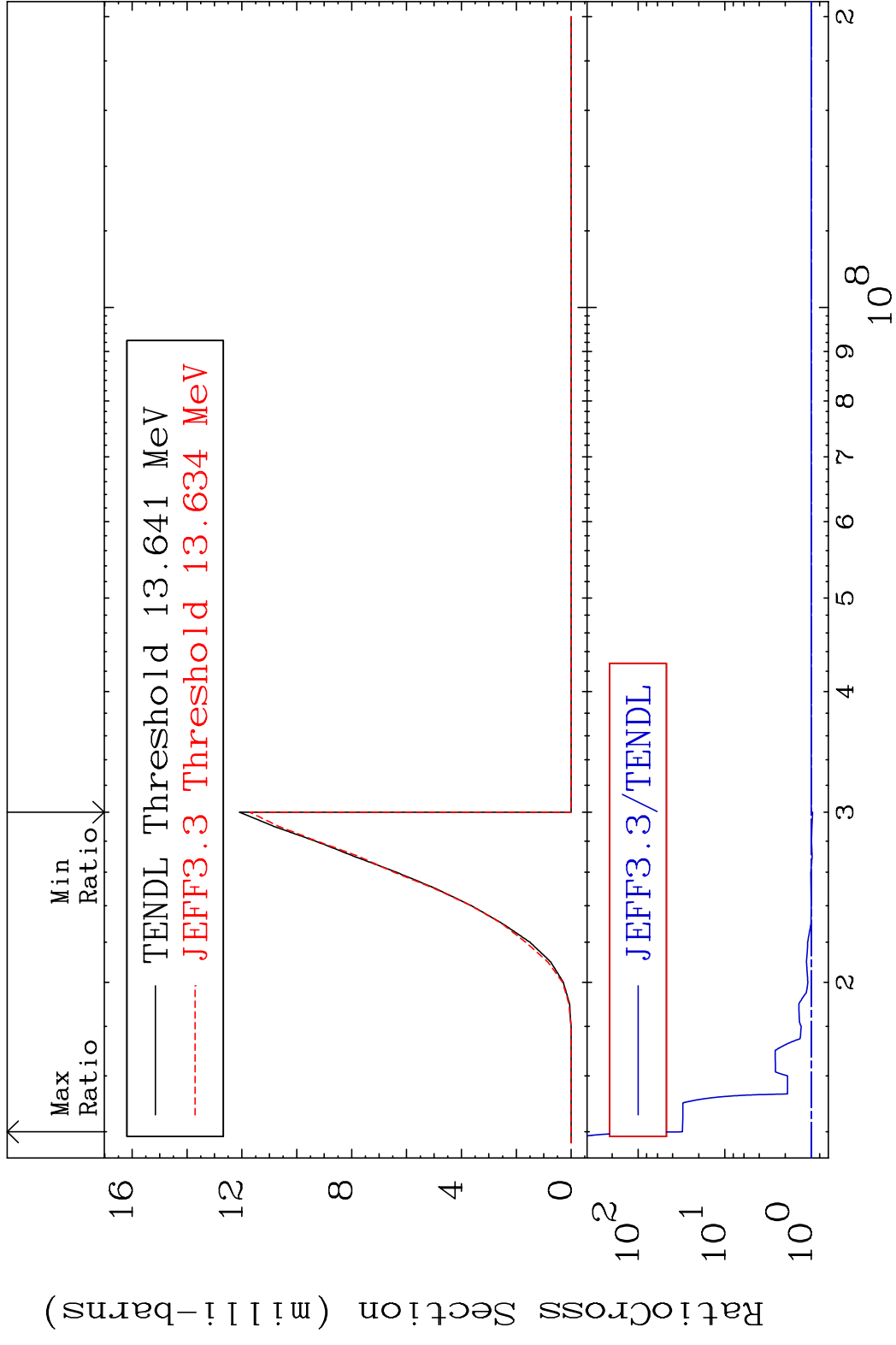


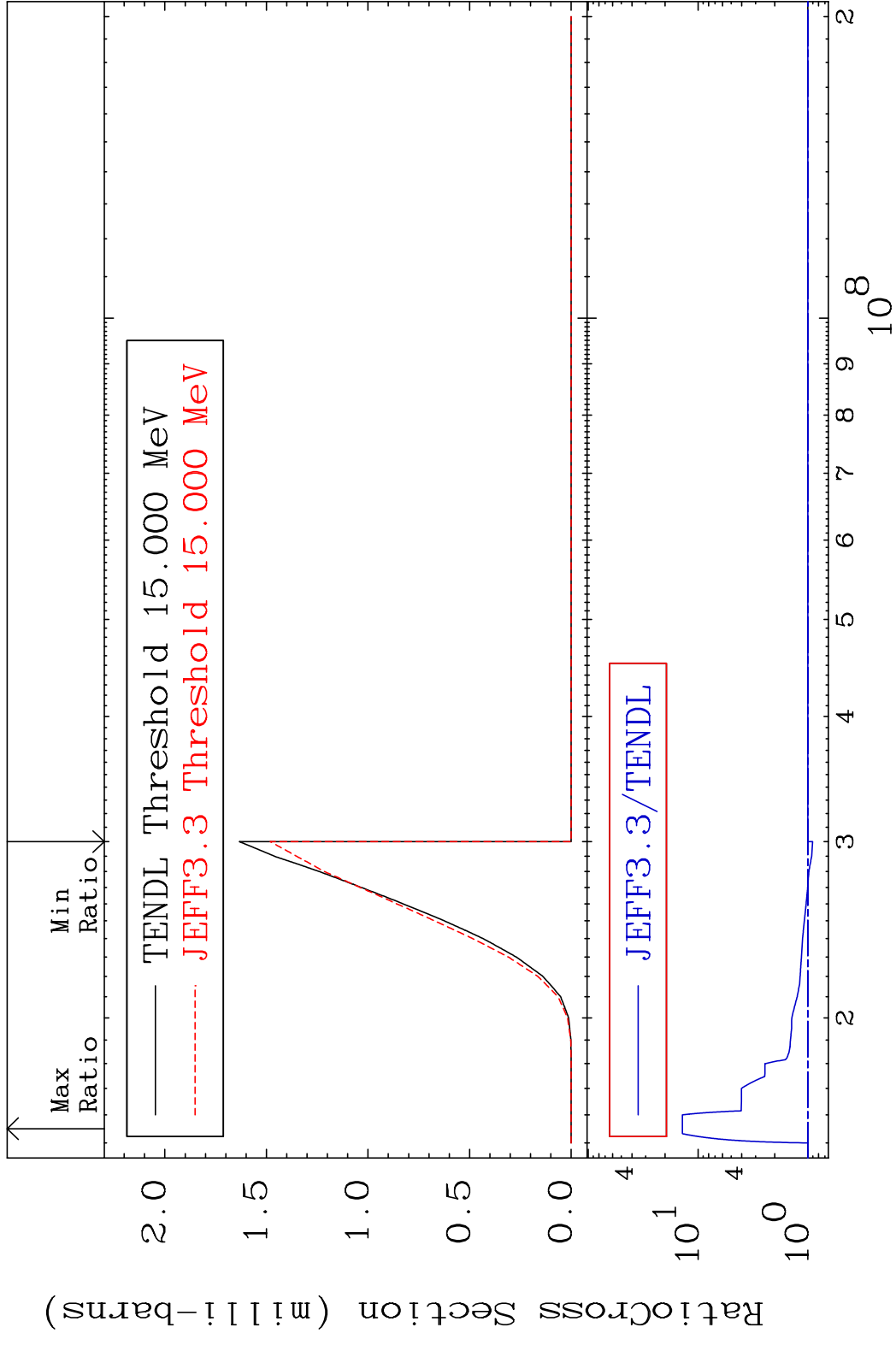
MAT 4246 (n, n') p:41-Nb-98g 42-Mo-99
 Radionuclide Production Cross Section 1265. %

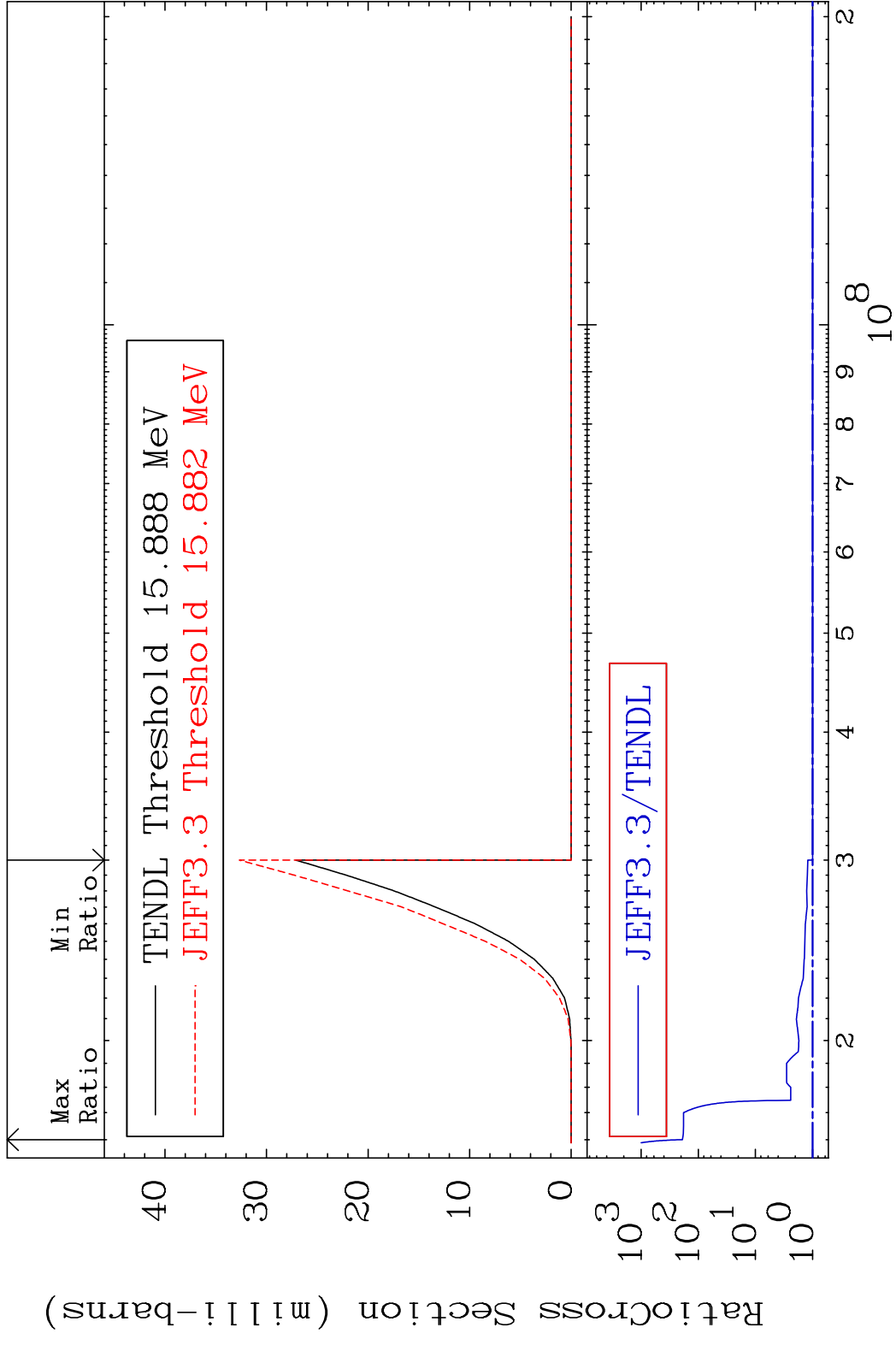


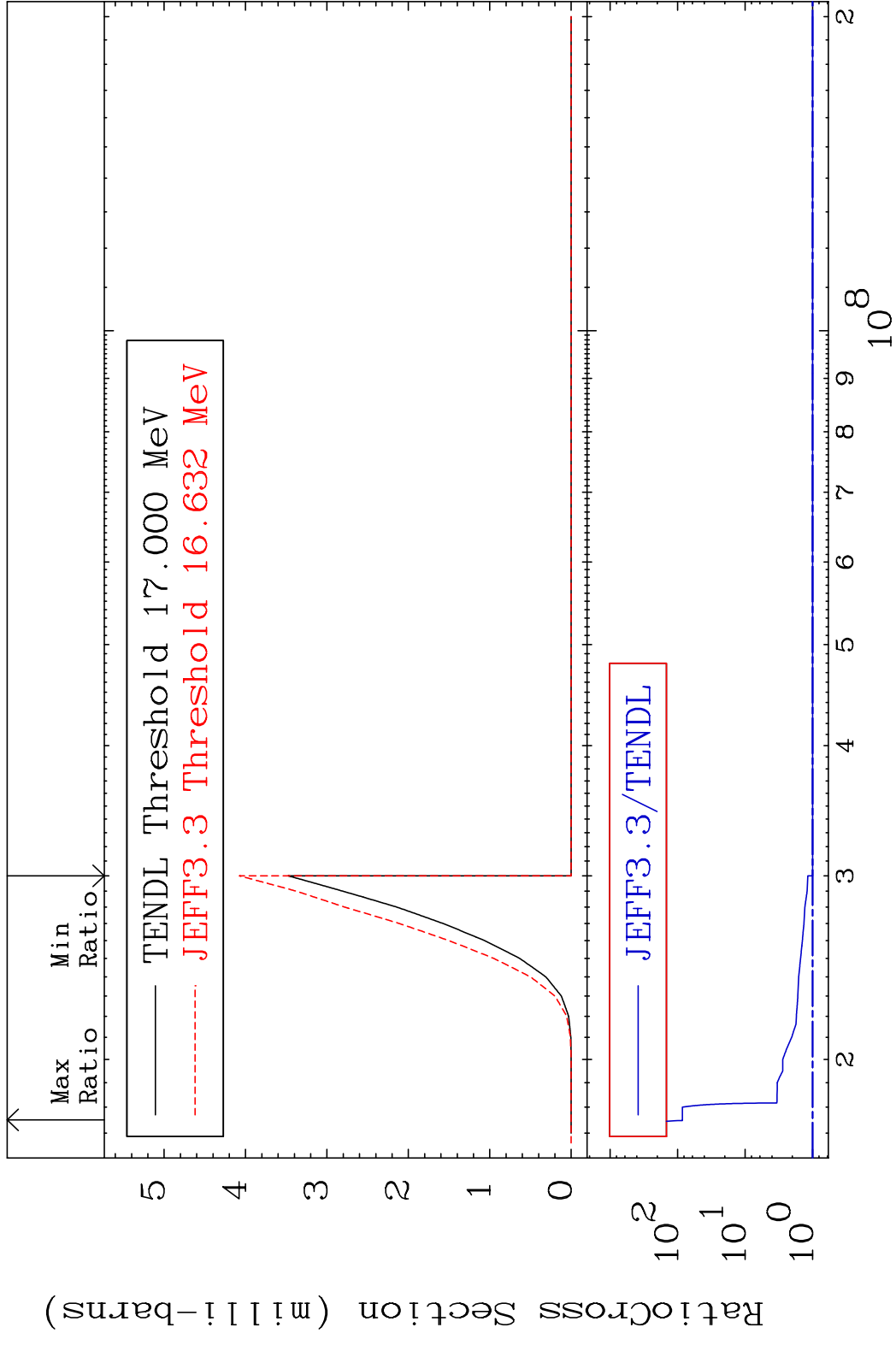
80 Incident Energy (eV) 42-Mo-99



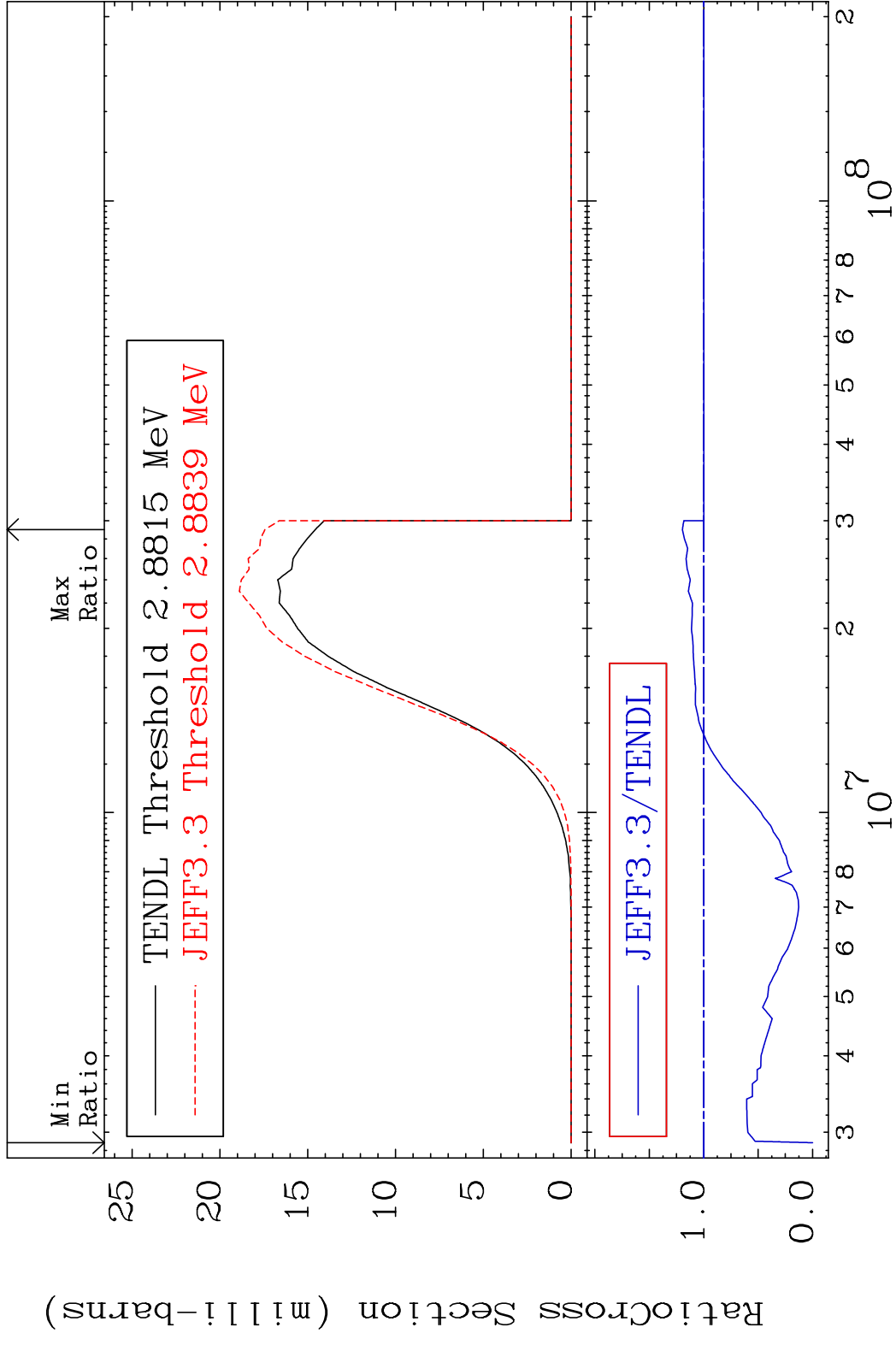


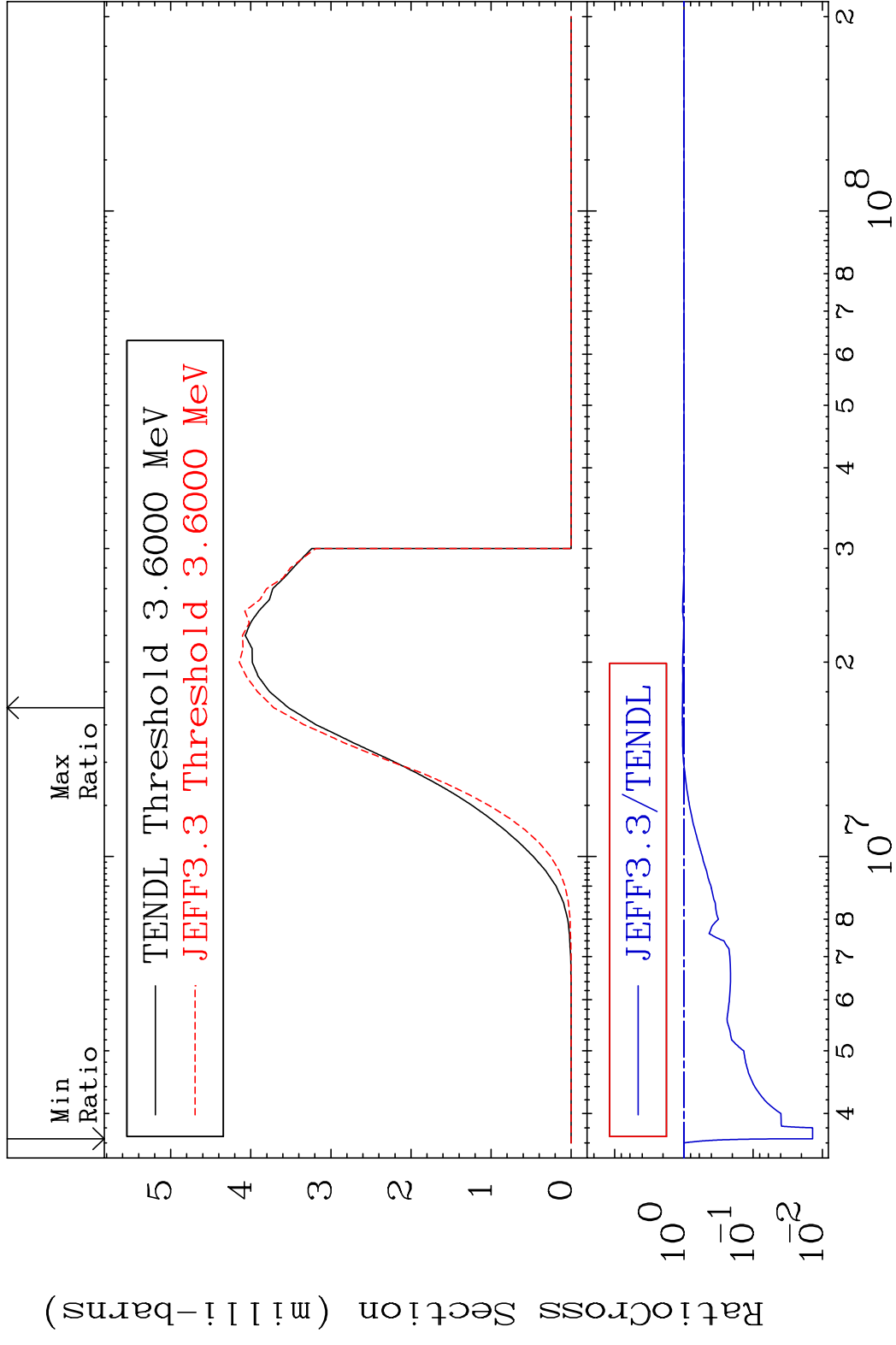




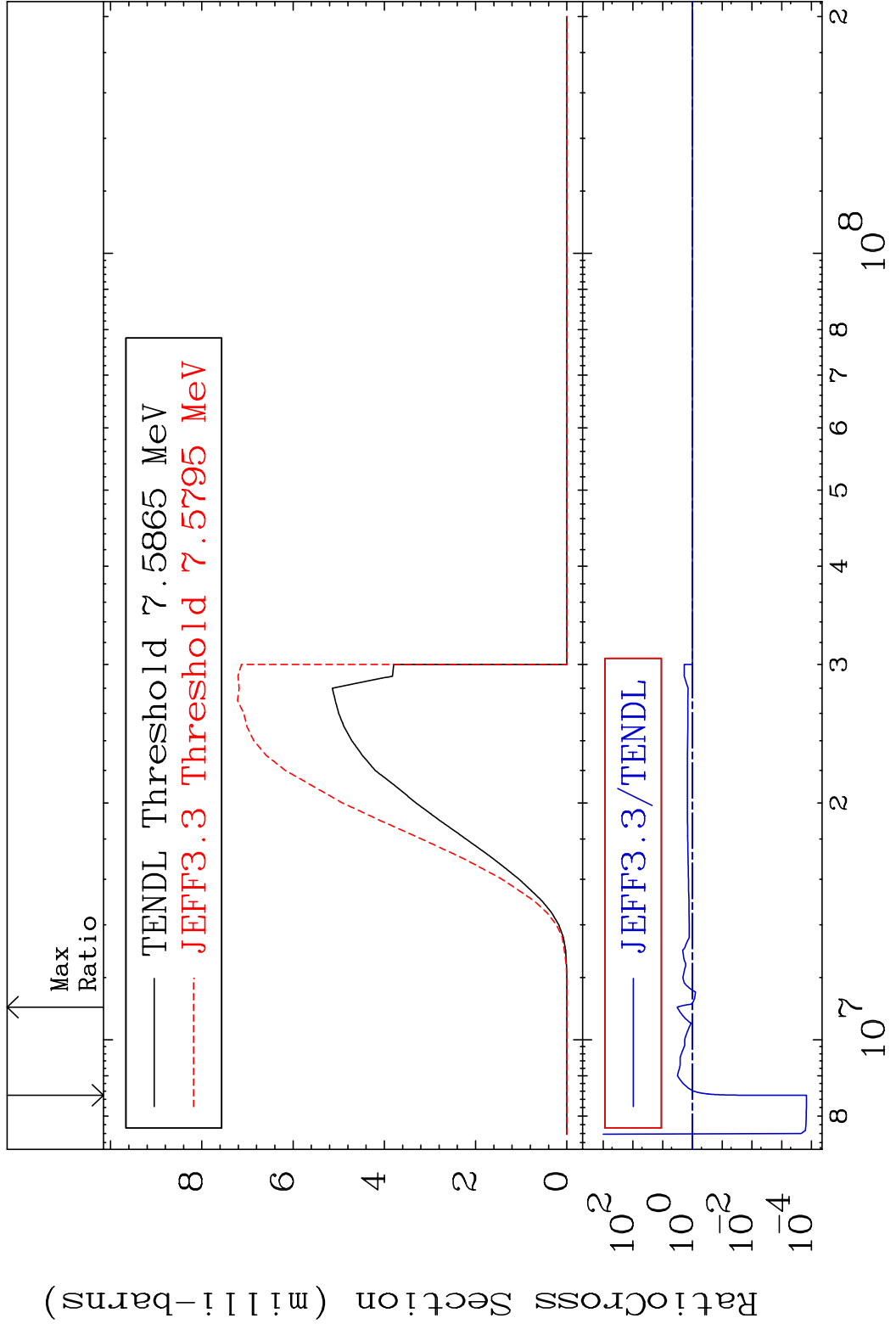


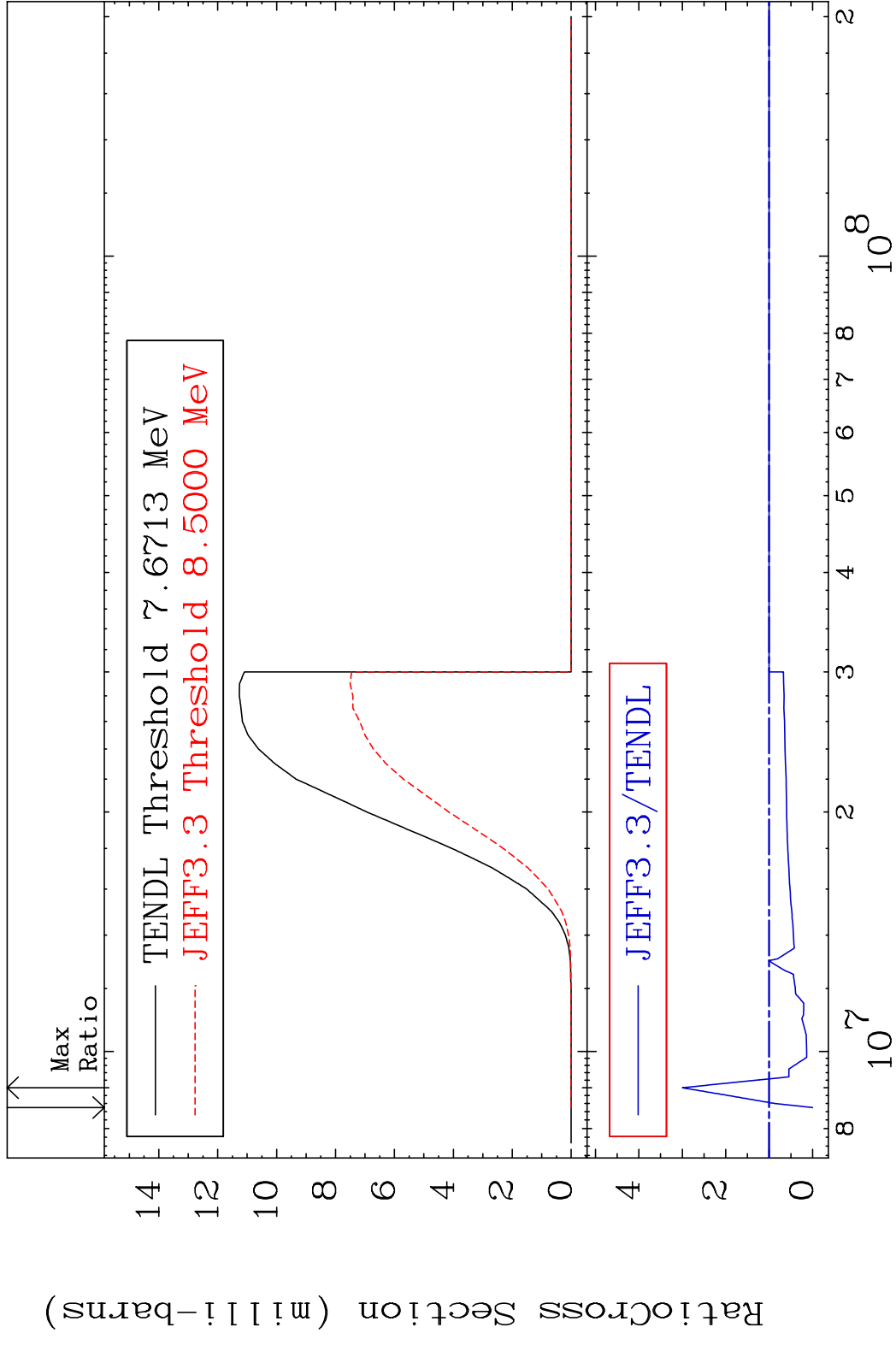
MAT 4246 (n, p) : 41-Nb-99g 42-Mo-99
 Radionuclide Production Cross Section 180.01 dth 19.63 %



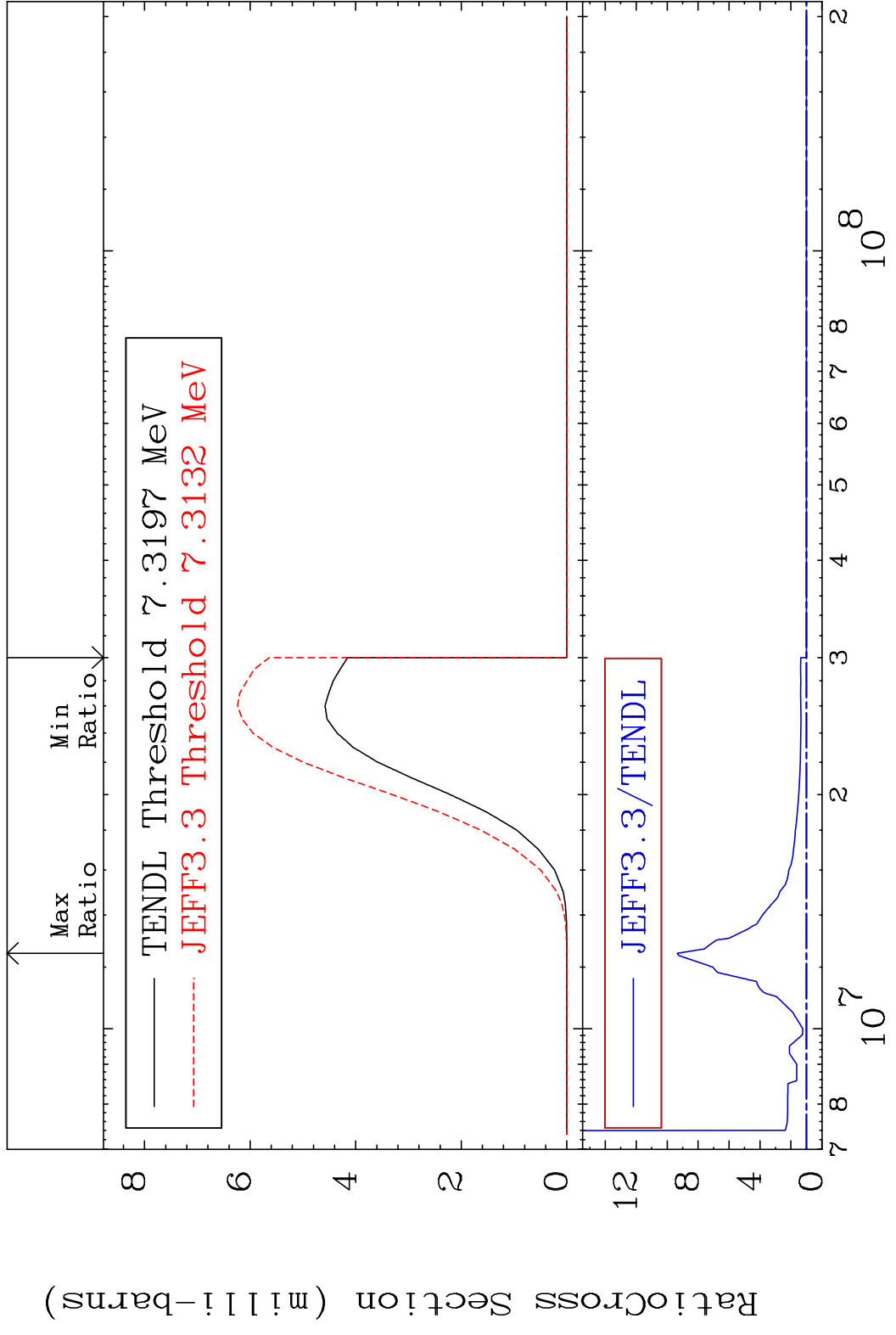


MAT 4246 (n, d): 41-Nb-98g 42-Mo-99
 Radionuclide Production Cross Section 225.7 %





MAT 4246 (n, t): 41-Nb-97g 42-Mo-99
 Radionuclide Production Cross Section 835.2 %



90 Incident Energy (eV) 42-Mo-99

