

Program Complot
(Version 2021-1)

by

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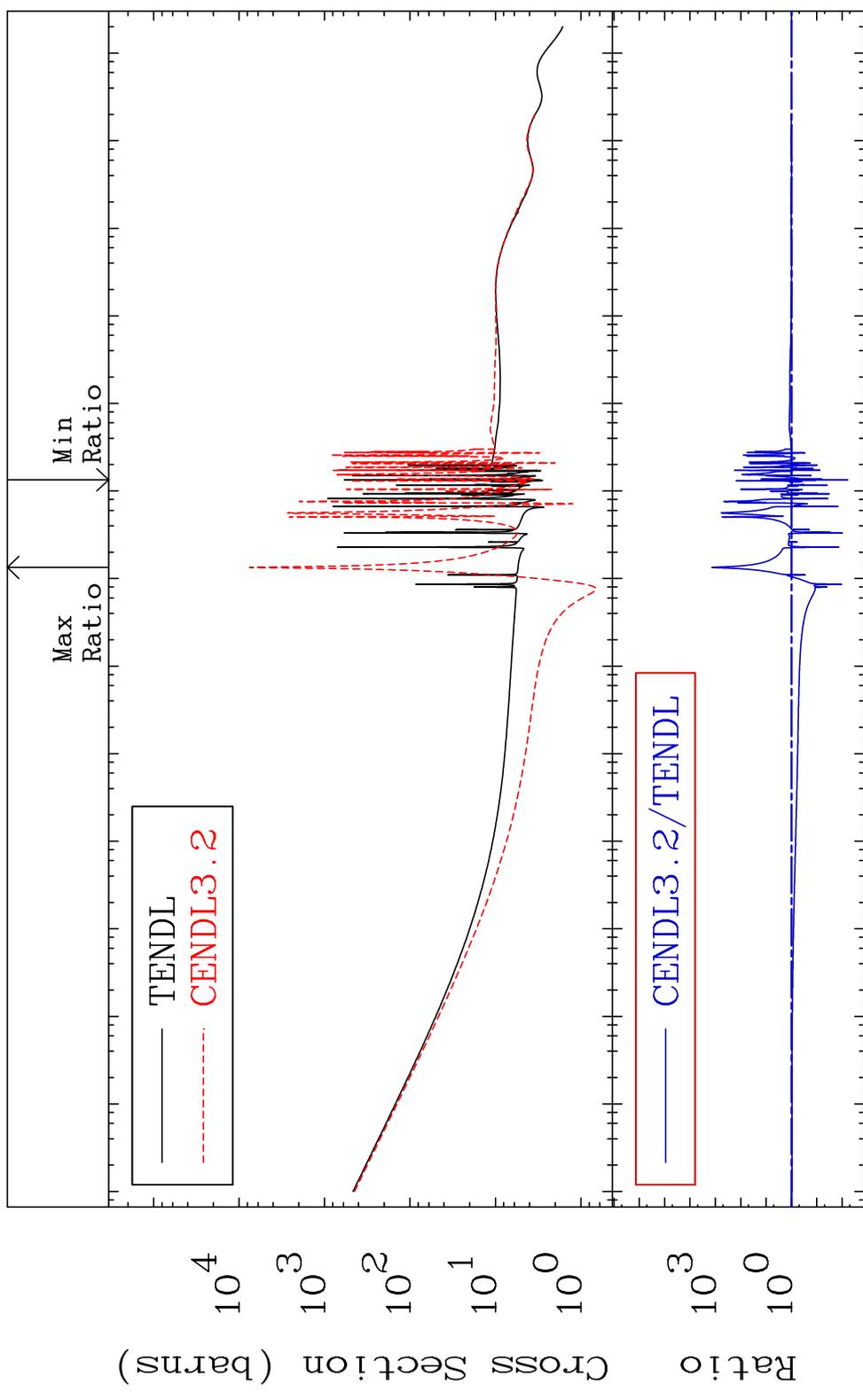
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Press Mouse Button to Start

MAT 4228

Total Cross Section -99.39 To 9999. %
42-Mo-93



10⁴
10³
10²
10¹
10⁰
10³
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

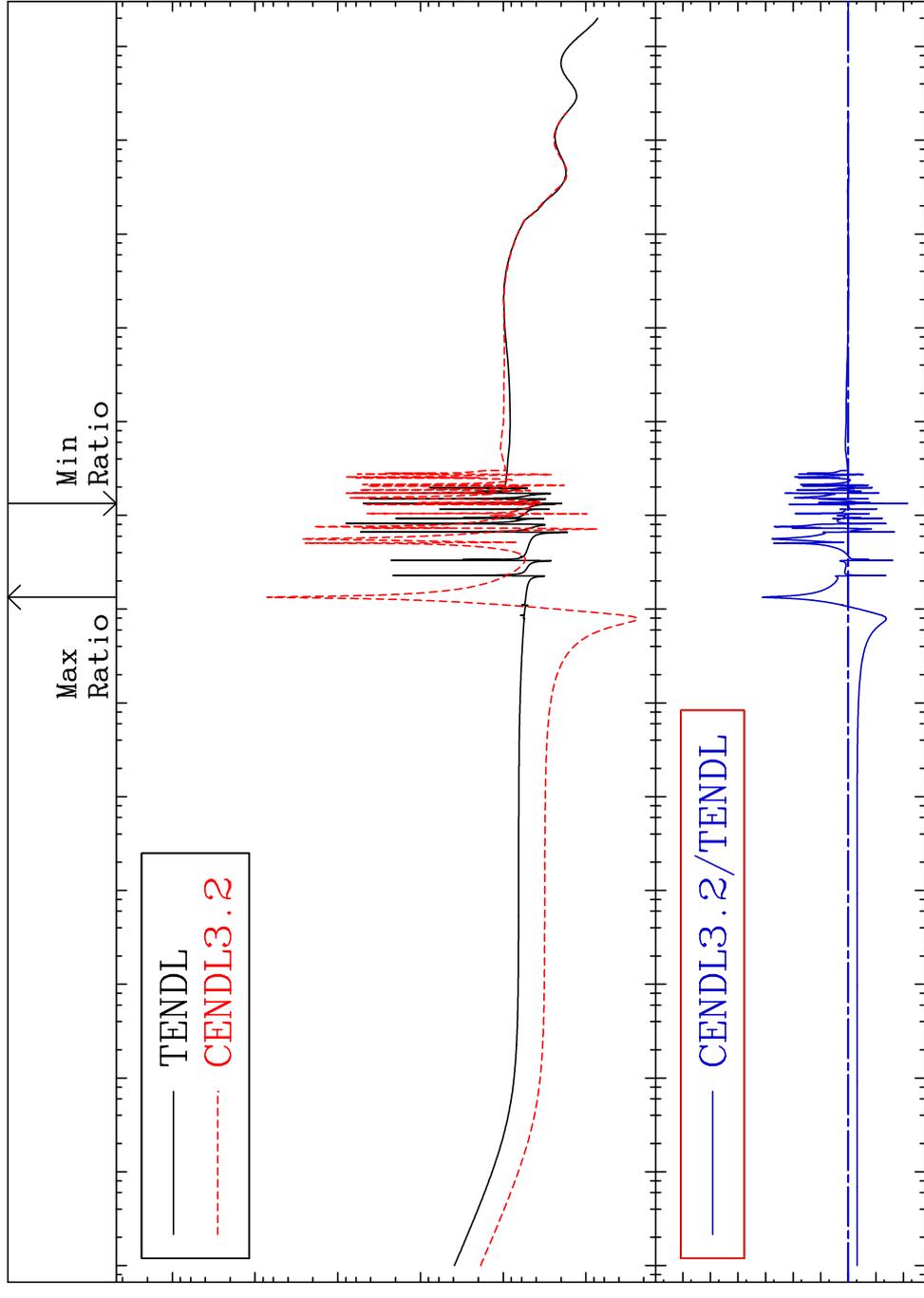
Incident Energy (eV) 42-Mo-93

MAT 4228

42-Mo-93

Elastic

Cross Section -99.29 To 9999. %



Cross Section (barns)
Ratio

Incident Energy (eV)

42-Mo-93

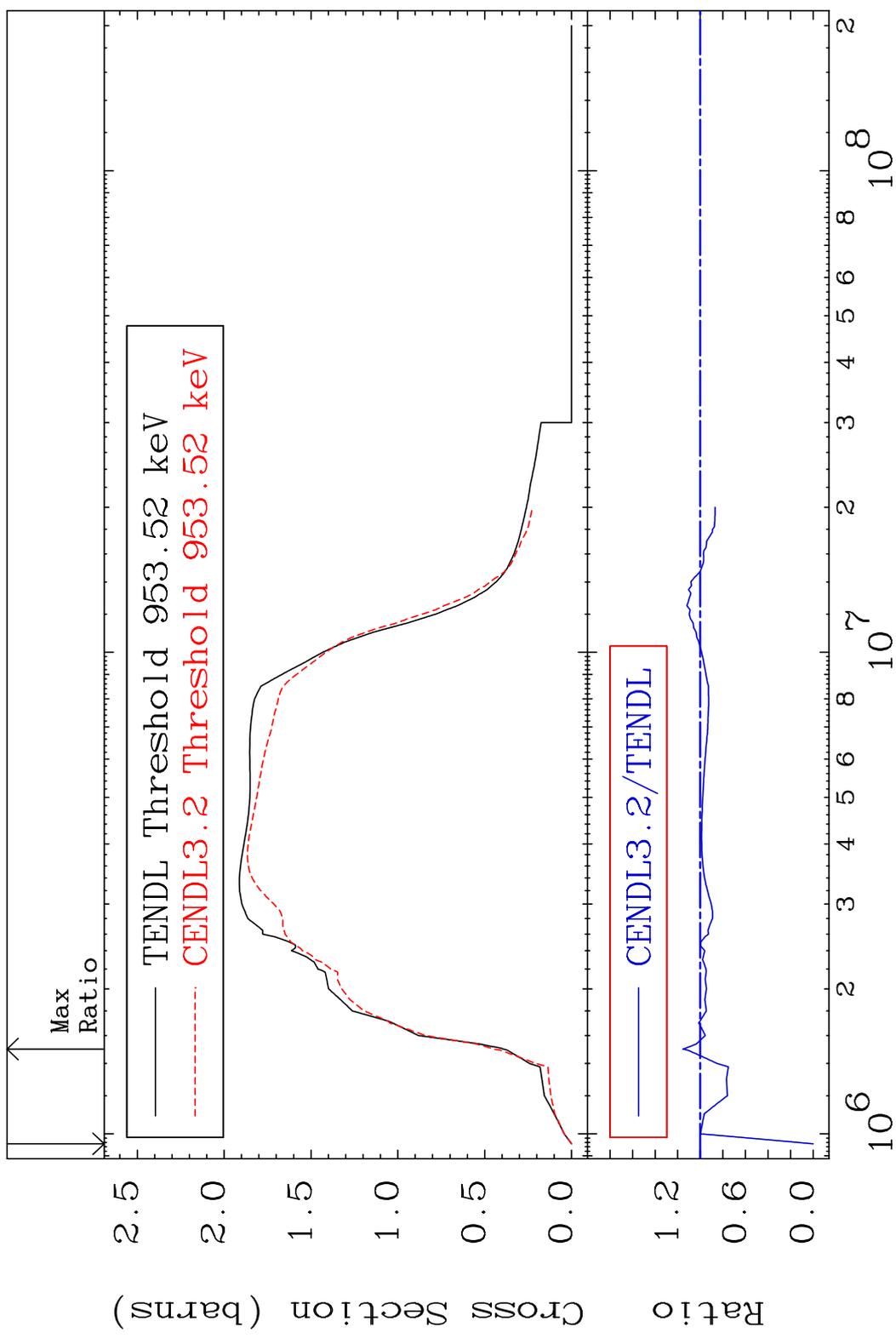
2

MAT 4228

Inelastic

42-Mo-93

Cross Section -100.0 To 15.47 %



3

Incident Energy (eV)

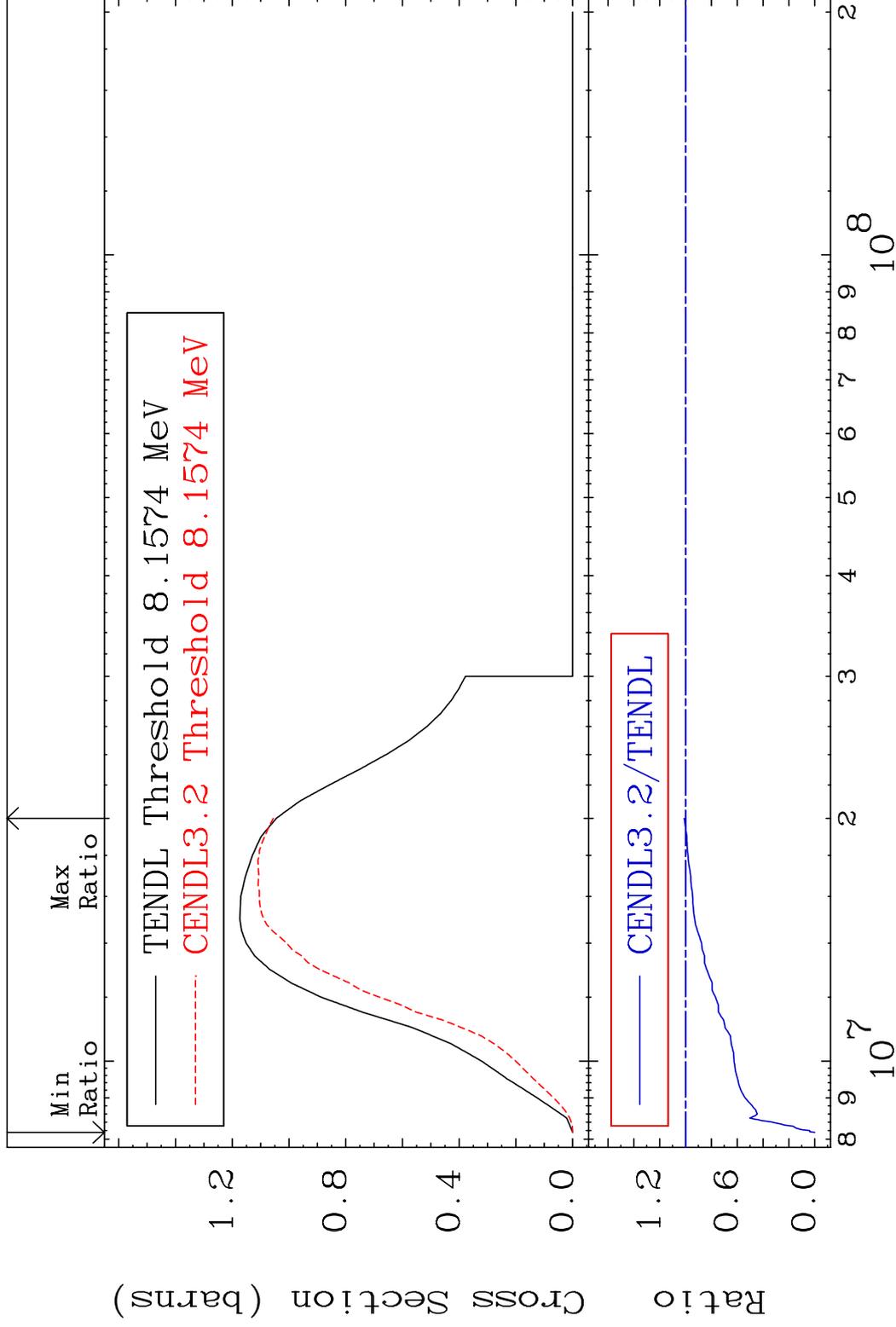
42-Mo-93

MAT 4228

(n,2n)

42-Mo-93

Cross Section -100.0 To 1.044 %



4

Incident Energy (eV)

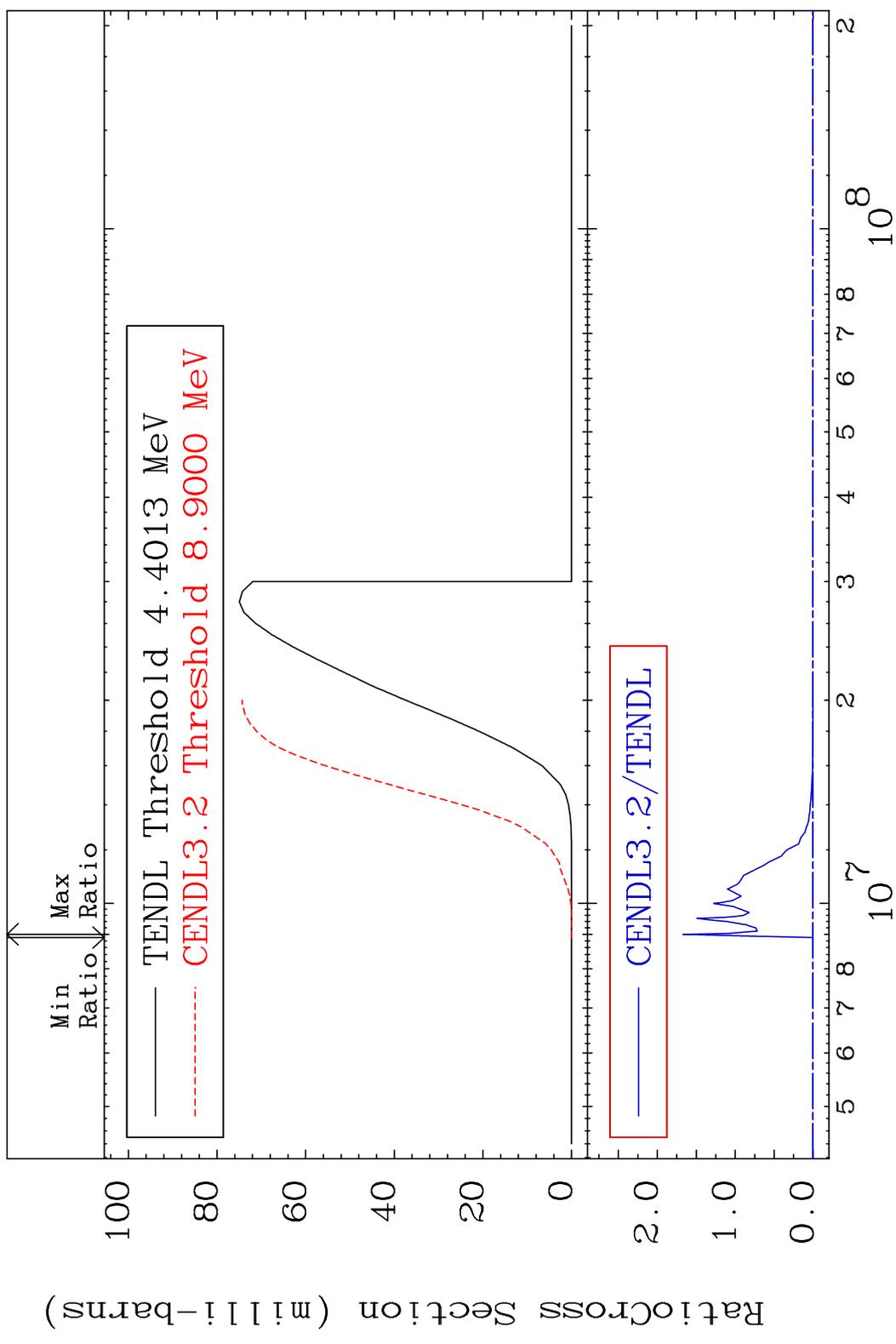
42-Mo-93

MAT 4228

(n, n') α

42-Mo-93

Cross Section -100.0 To 9999. %

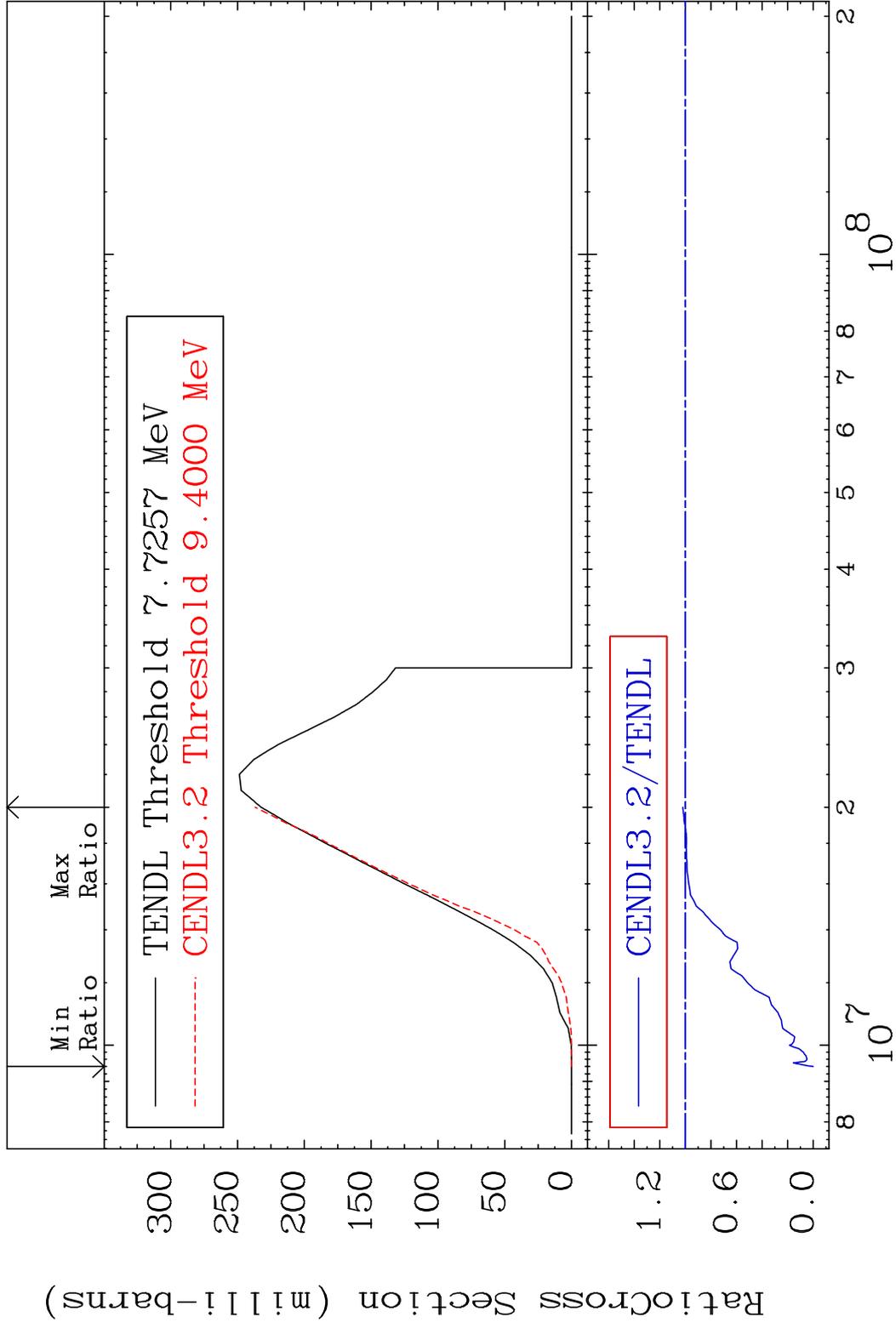


5

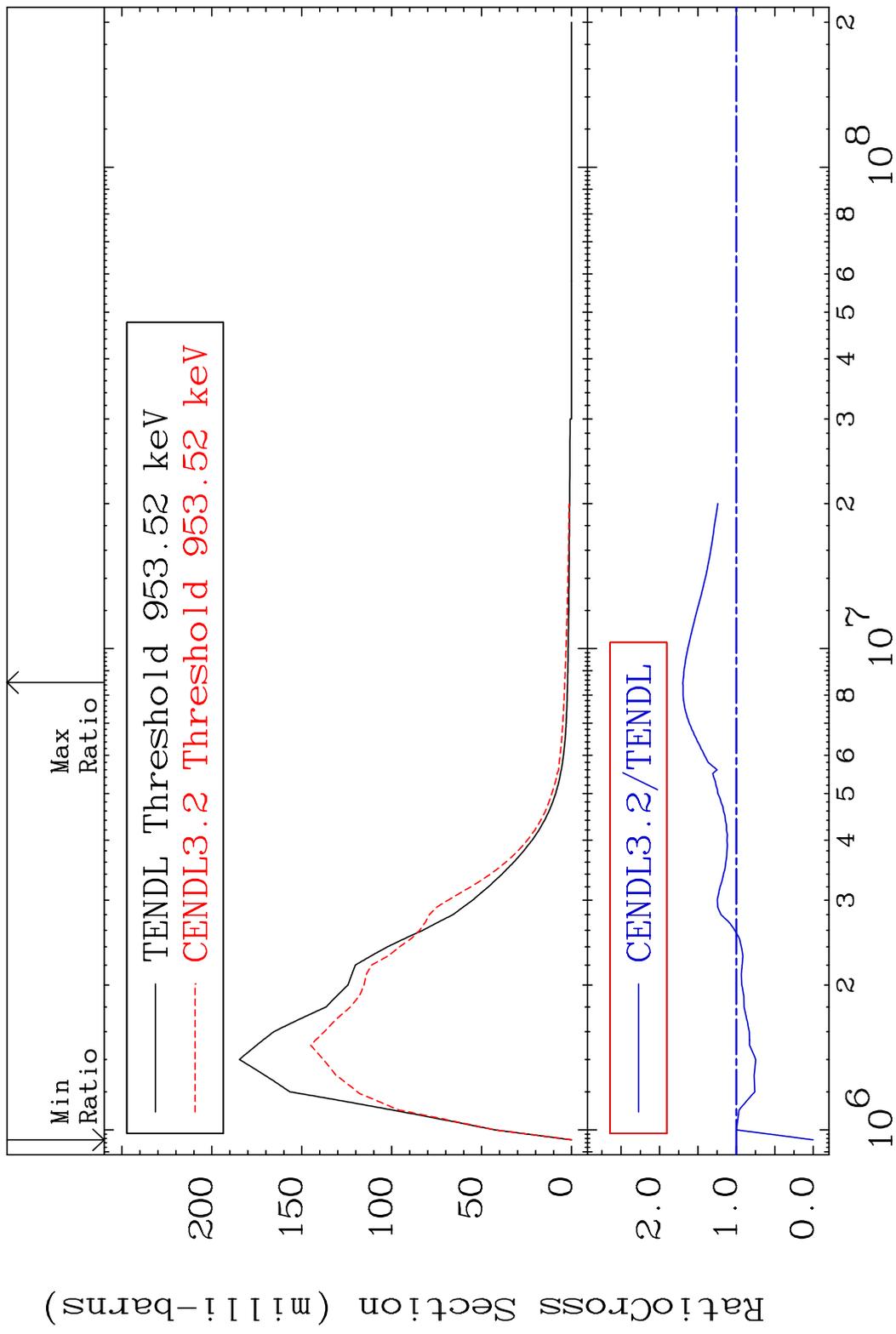
Incident Energy (eV)

42-Mo-93

MAT 4228 (n, n') p 42-Mo-93
 Cross Section -100.0 To 1.928 %

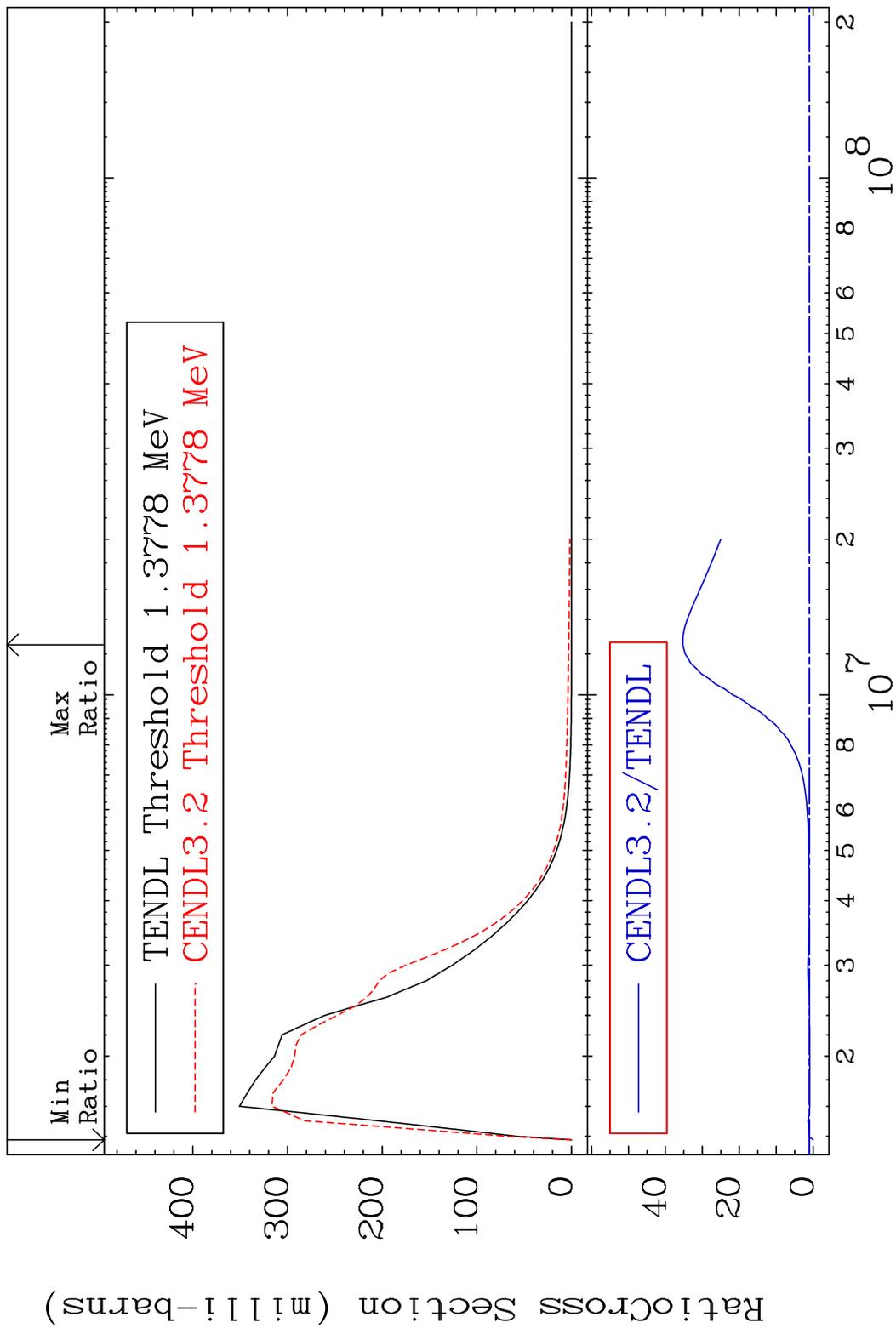


MAT 4228 MT= 51 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 69.66 %



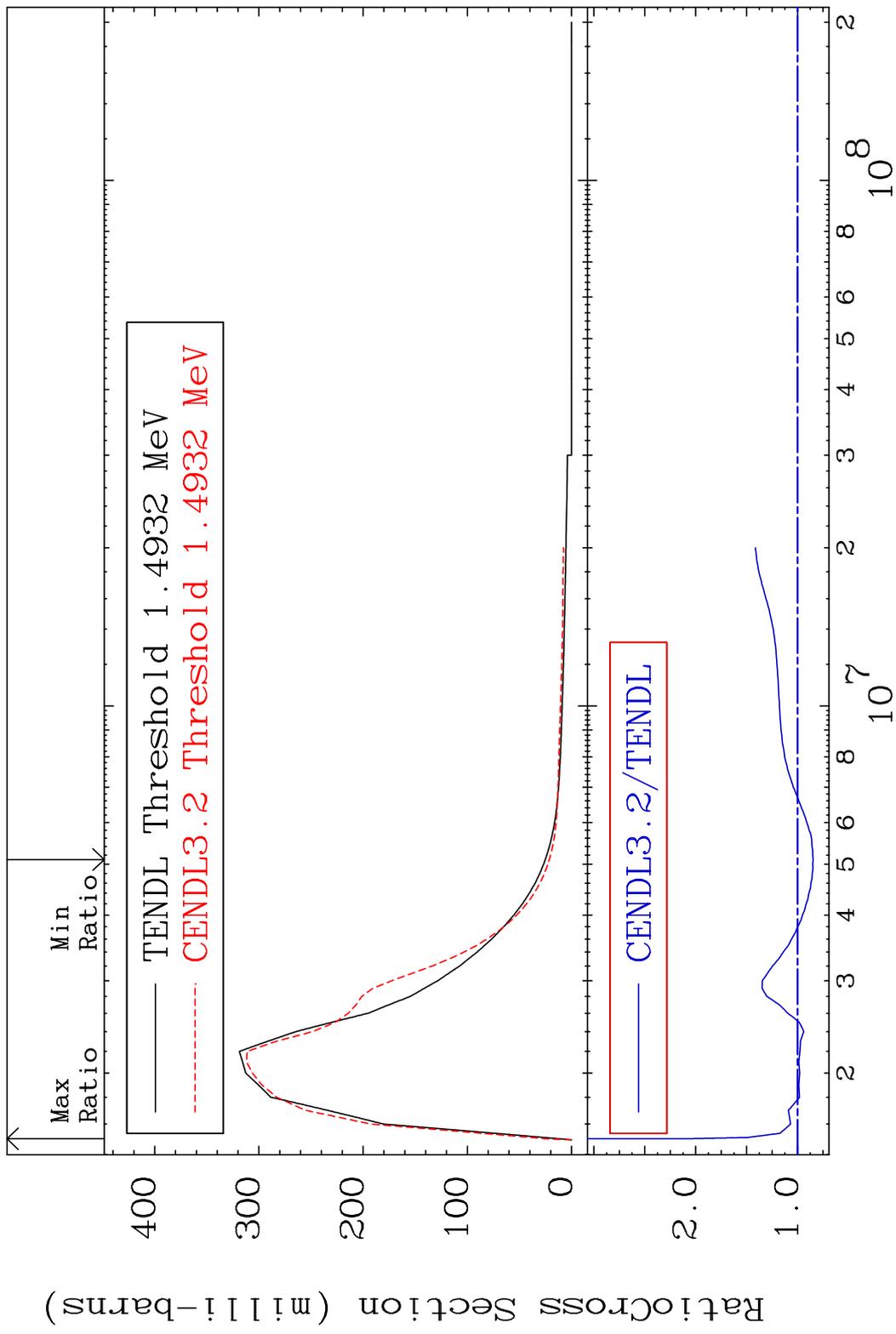
7 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 52 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 3428. %

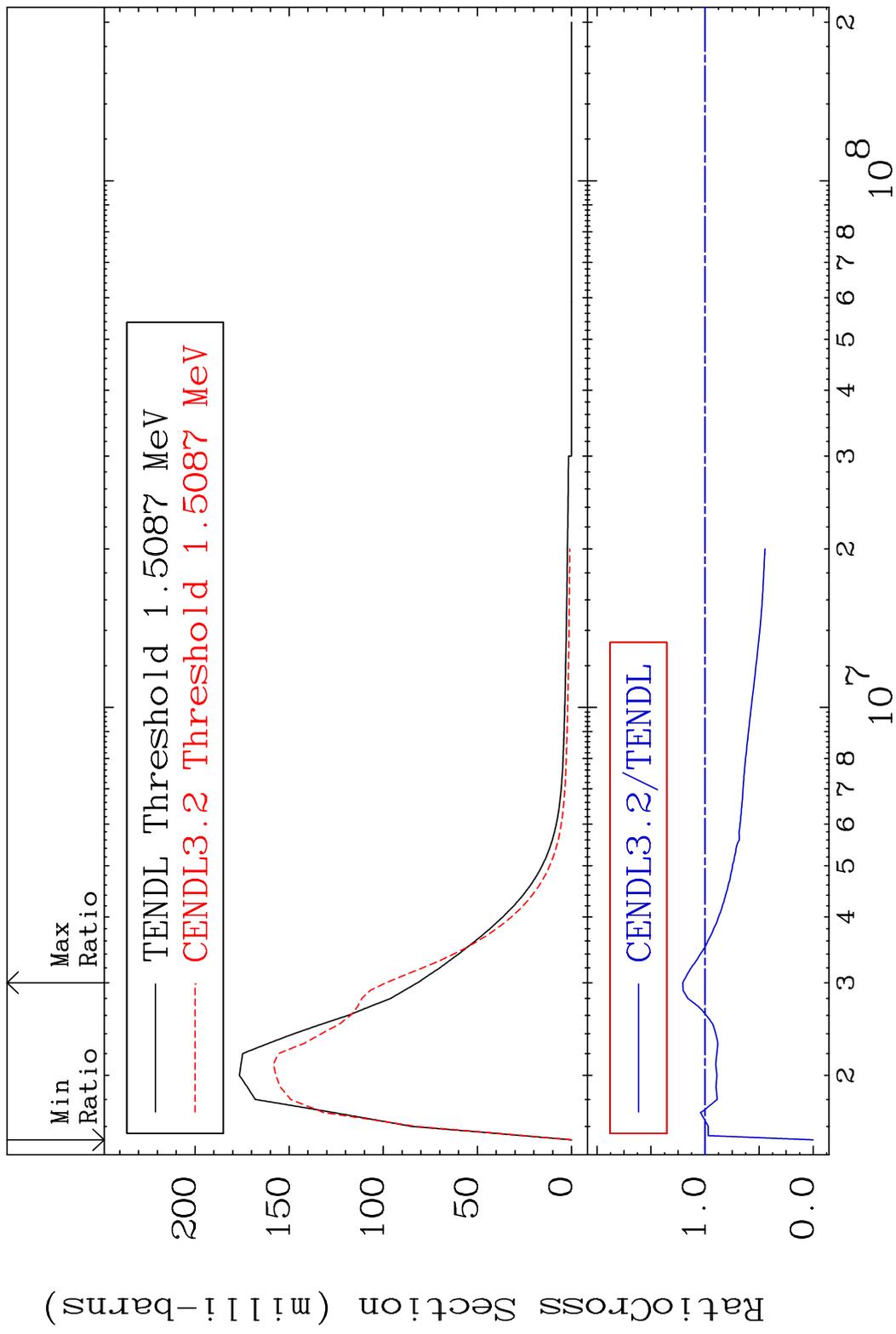


8 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 53 (n, n') Level 42-Mo-93
 Cross Section -15.26 To 112.6 %

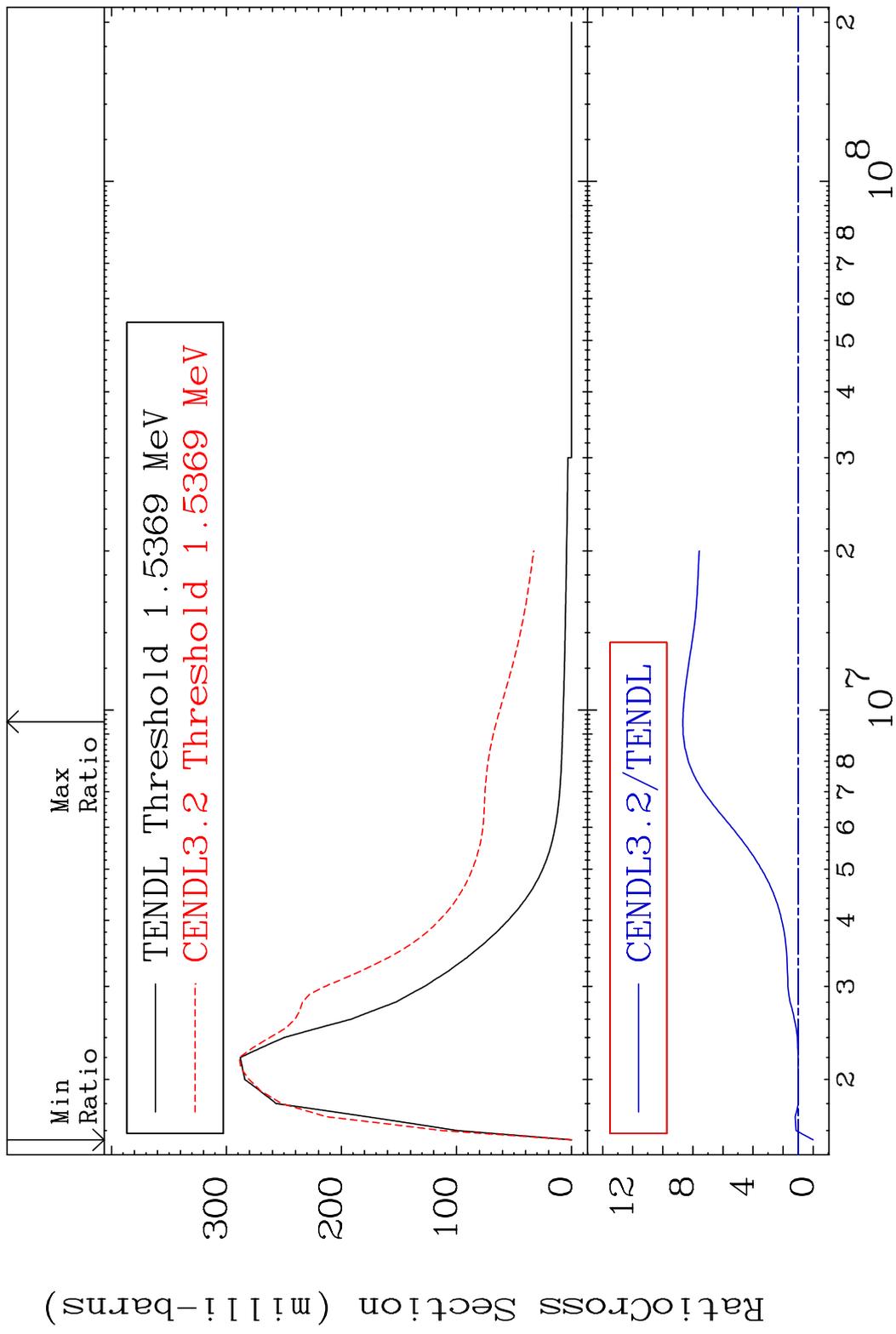


MAT 4228 MT= 54 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 20.57 %

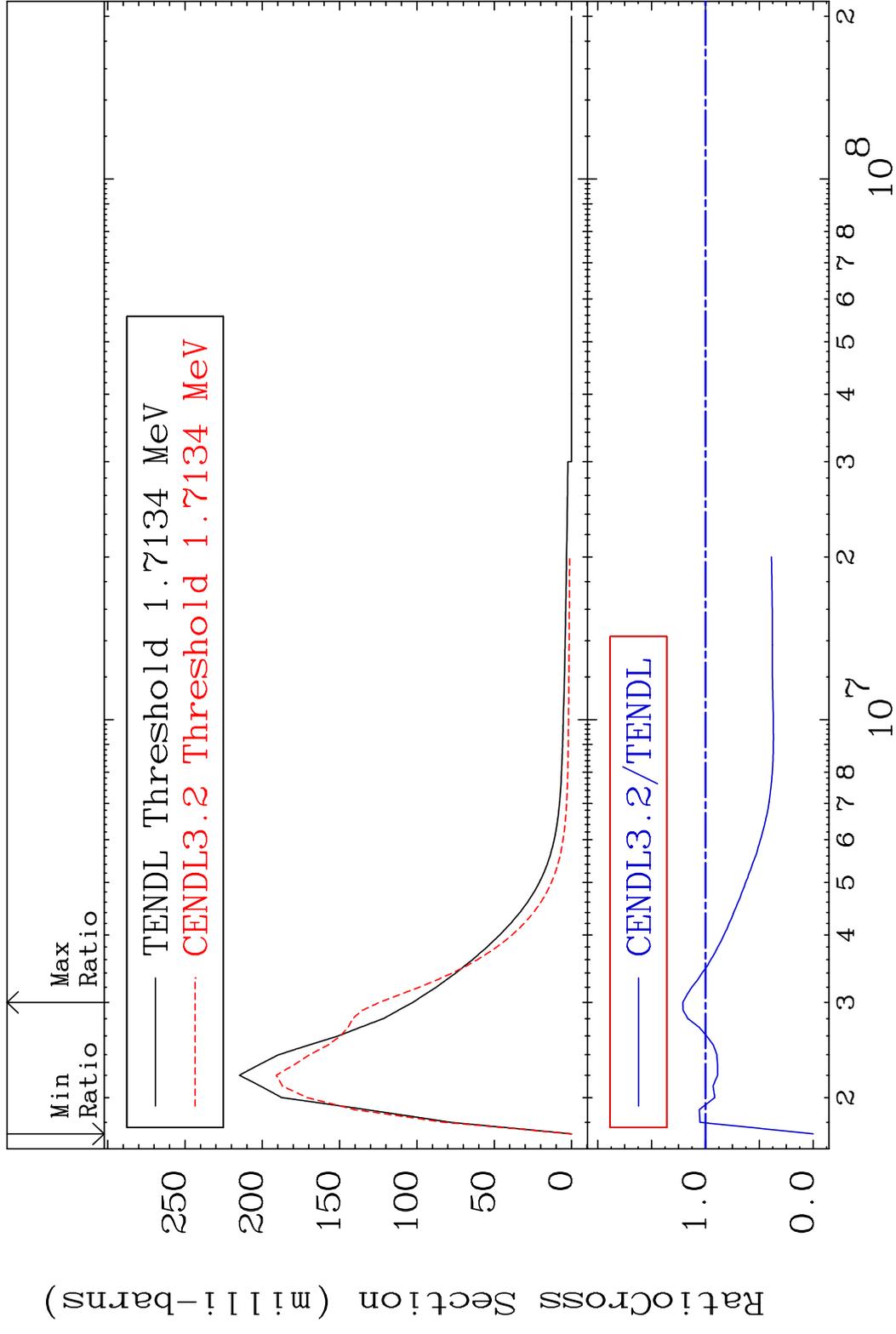


10 Incident Energy (eV) 42-Mo-93

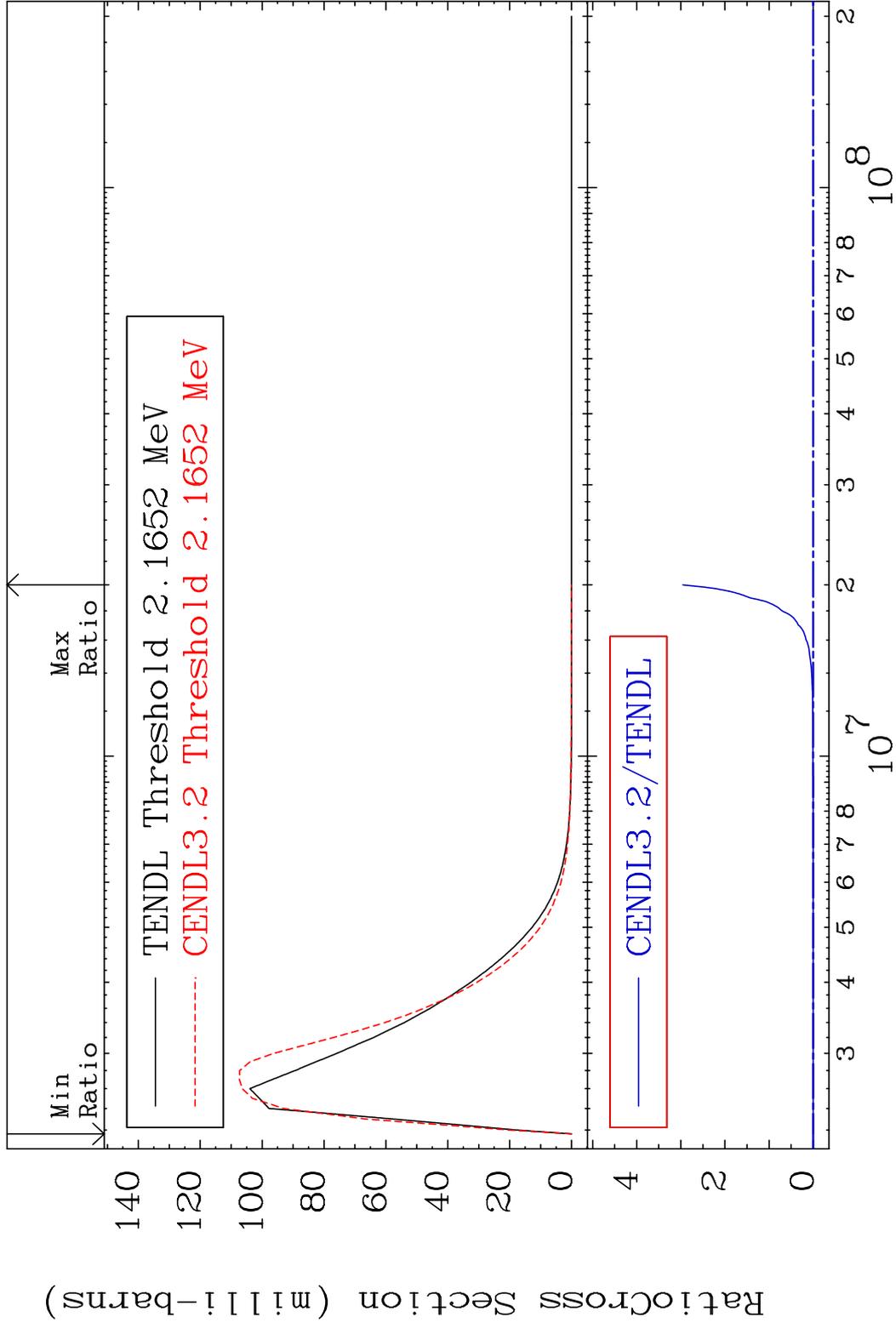
MAT 4228 MT= 55 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 766.8 %



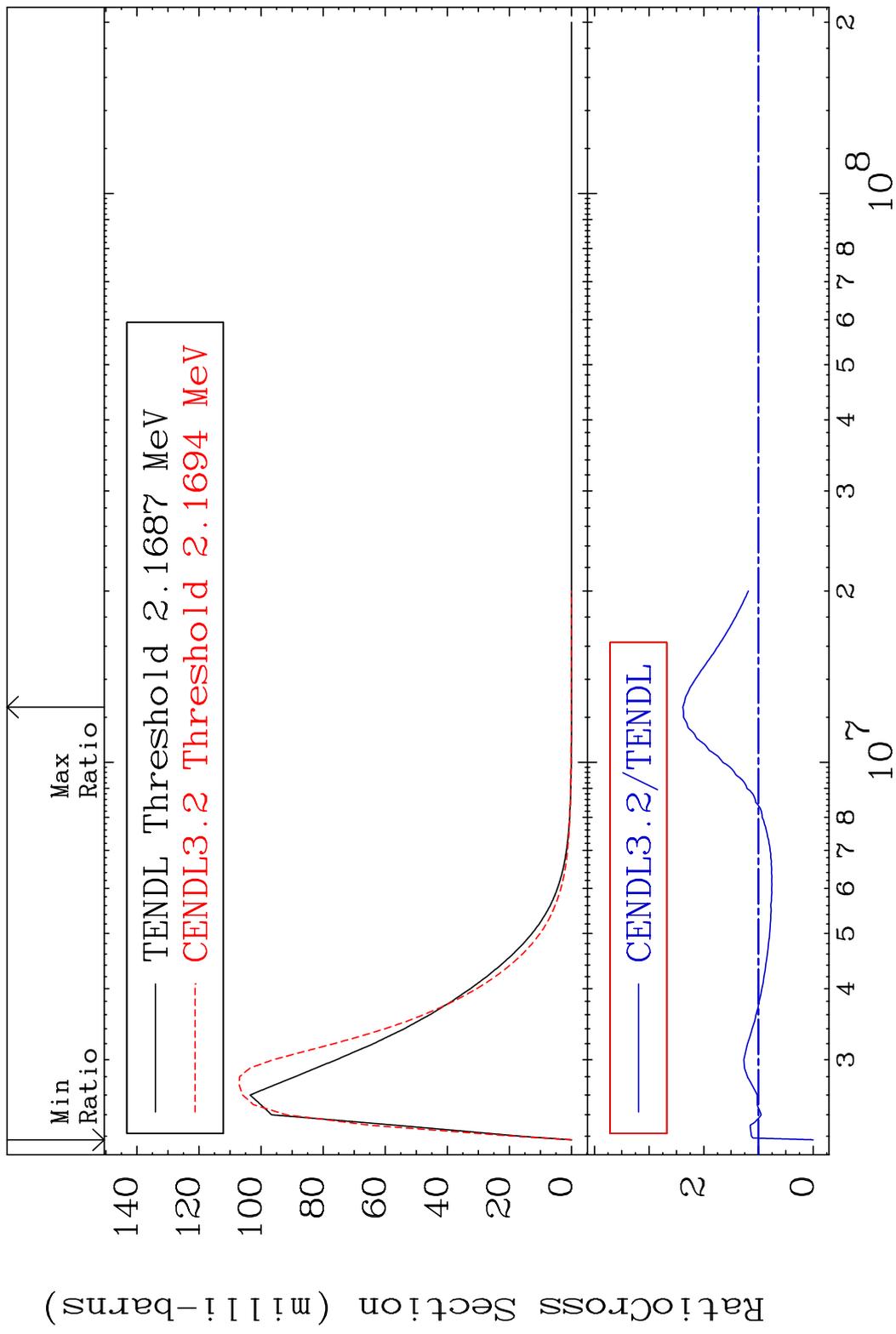
MAT 4228 MT= 56 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 20.99 %



MAT 4228 MT= 57 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %

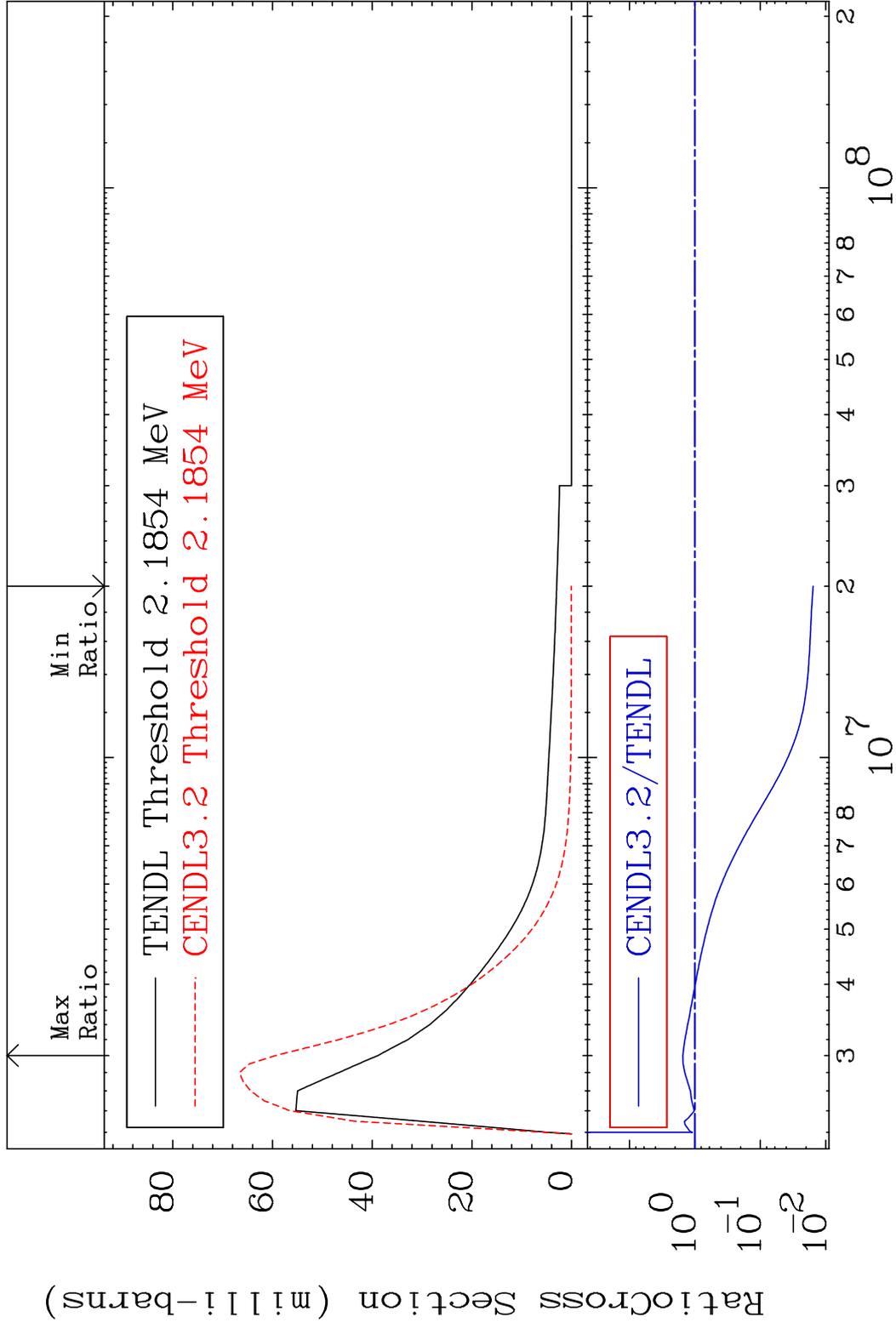


MAT 4228 MT= 58 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 138.3 %

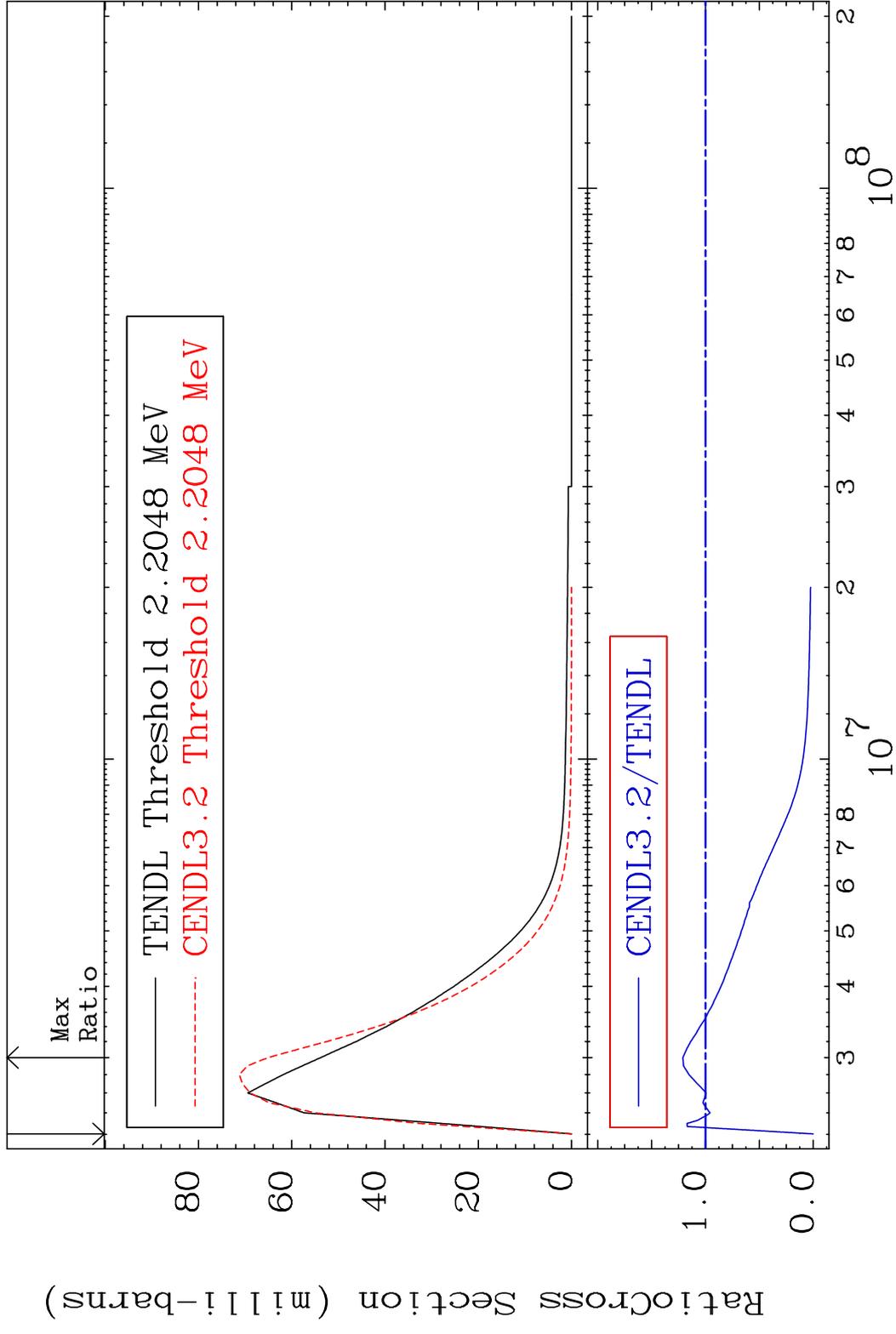


14 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 59 (n, n') Level 42-Mo-93
 Cross Section -98.44 To 52.82 %



MAT 4228 MT= 60 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 20.97 %

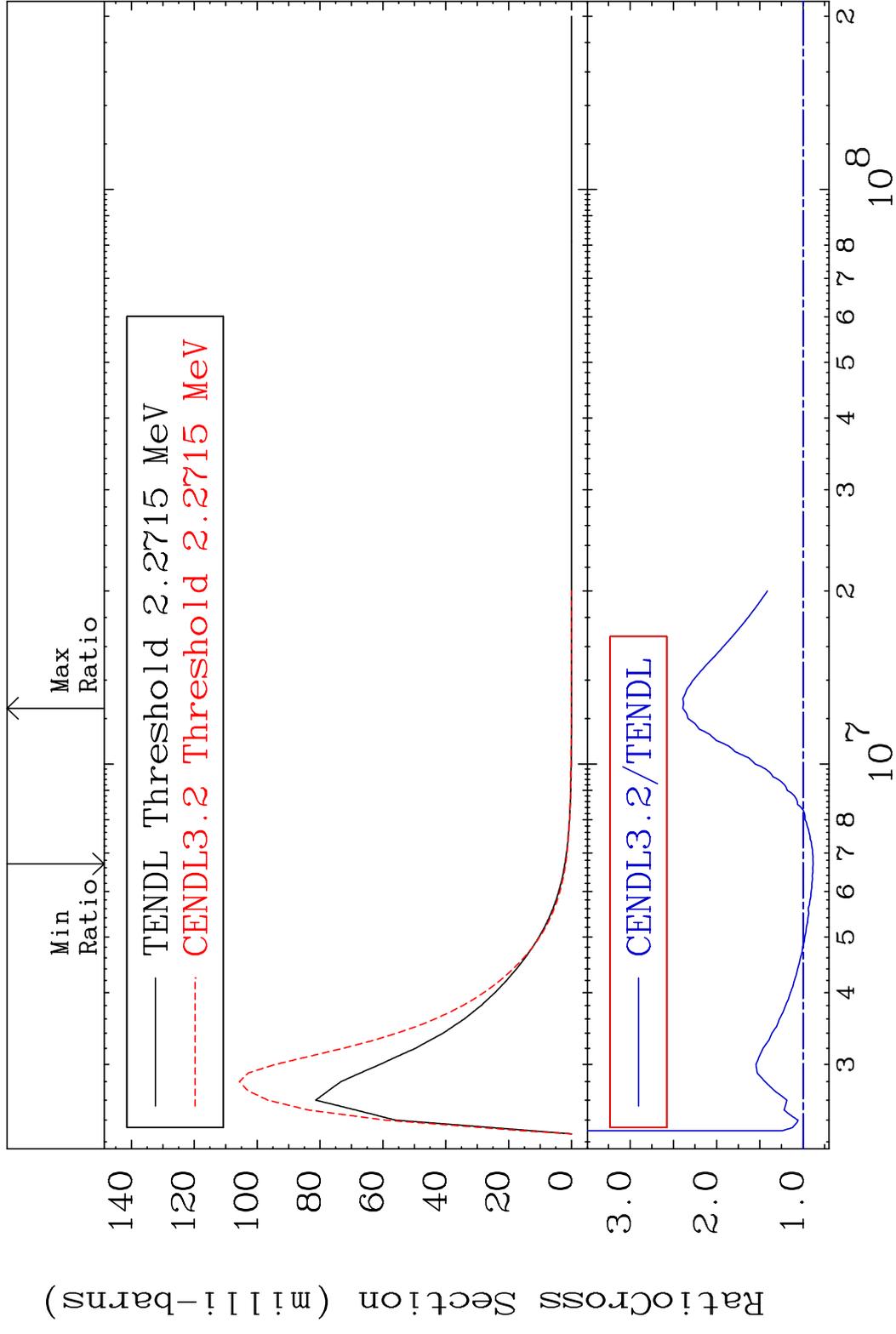


MAT 4228

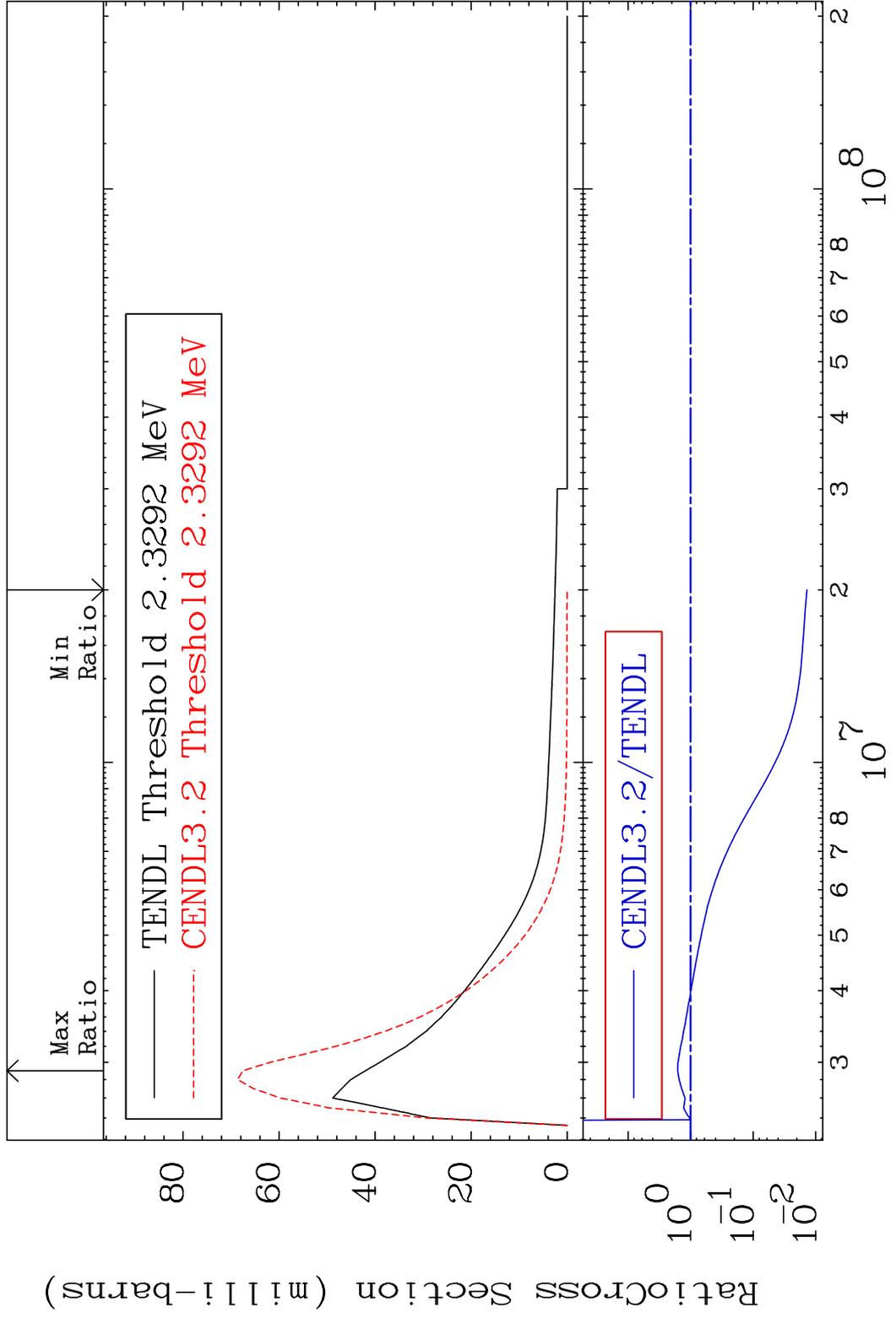
MT= 61 (n,n') Level

42-Mo-93

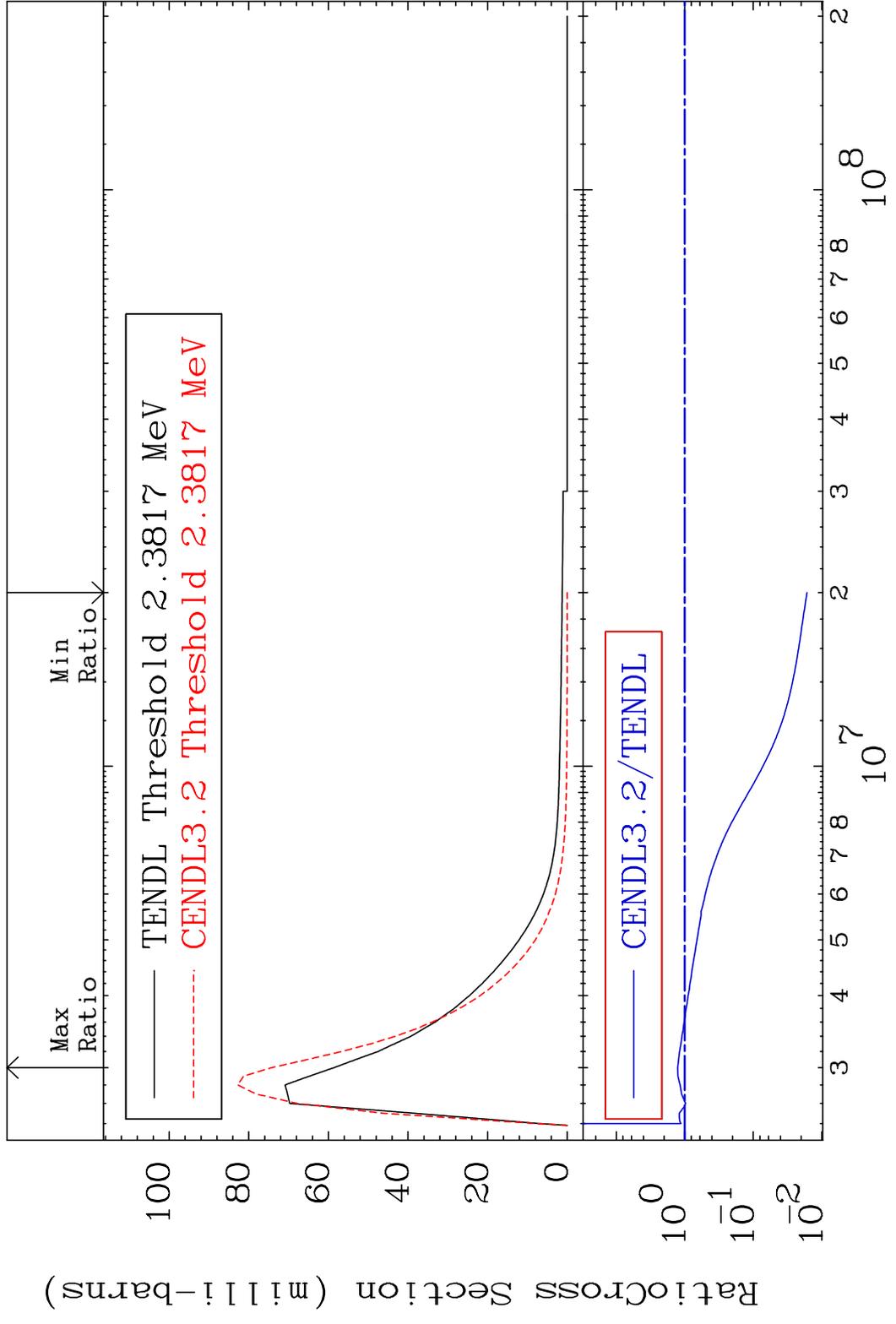
Cross Section -11.62 To 139.1 %



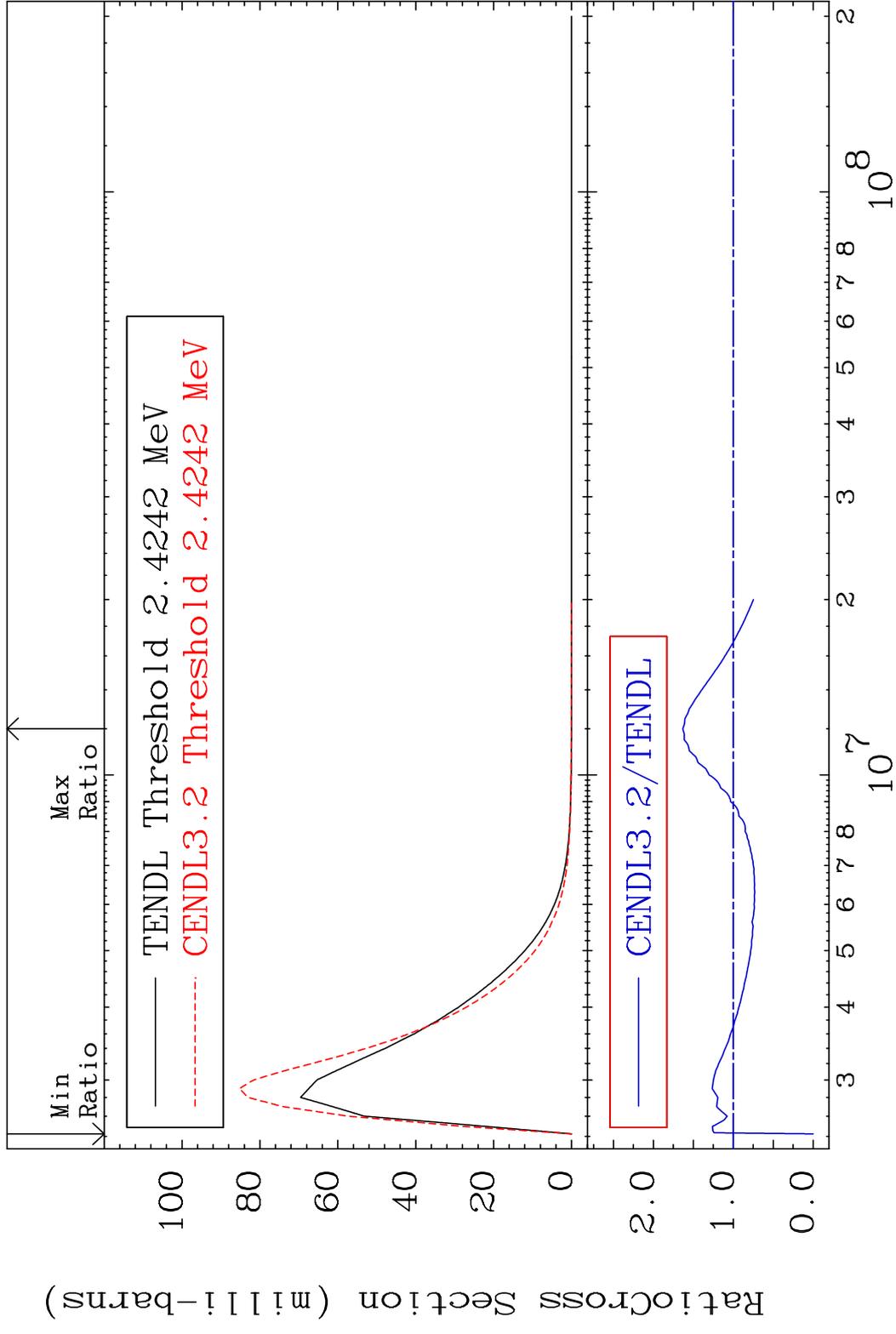
MAT 4228 MT= 62 (n,n') Level 42-Mo-93
 Cross Section -98.63 To 60.67 %



MAT 4228 MT= 63 (n, n') Level 42-Mo-93
 Cross Section -98.36 To 26.78 %



MAT 4228 MT= 64 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 63.16 %



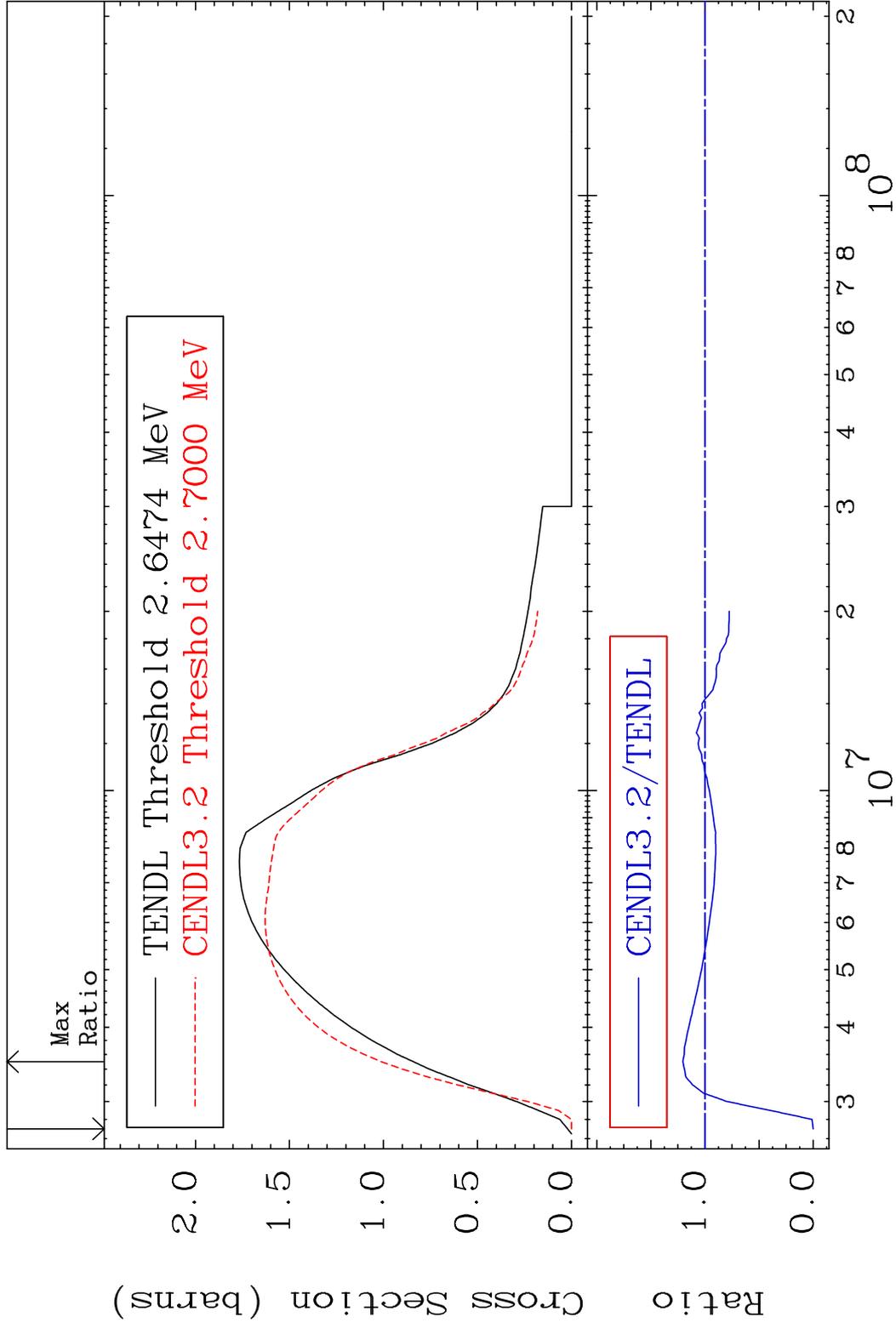
20 Incident Energy (eV) 42-Mo-93

MAT 4228

(n,n') Continuum

42-Mo-93

Cross Section -100.0 To 20.42 %



21

Incident Energy (eV)

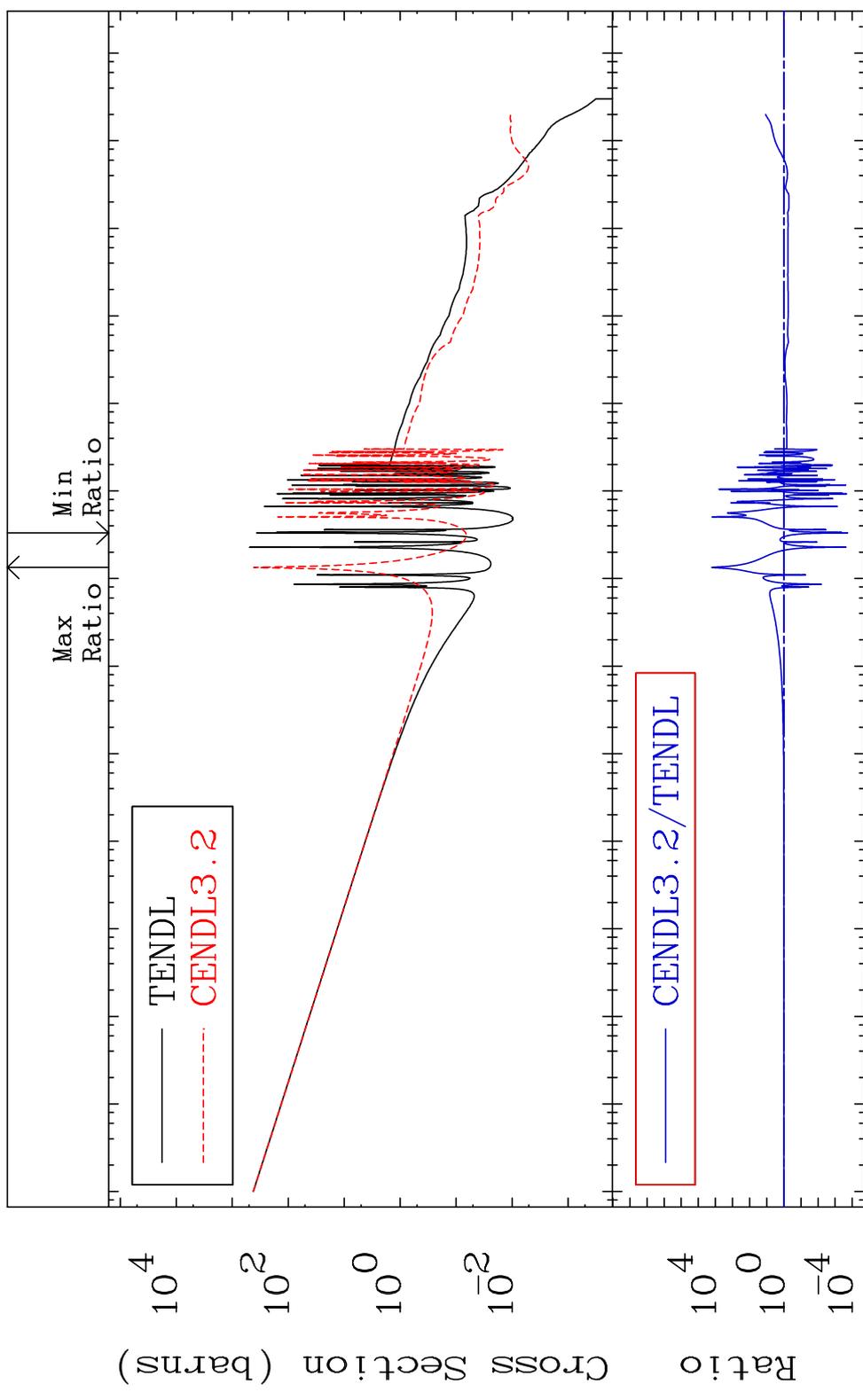
42-Mo-93

MAT 4228

(n, γ)

42-Mo-93

Cross Section -99.98 To 9999. %



22

Incident Energy (eV)

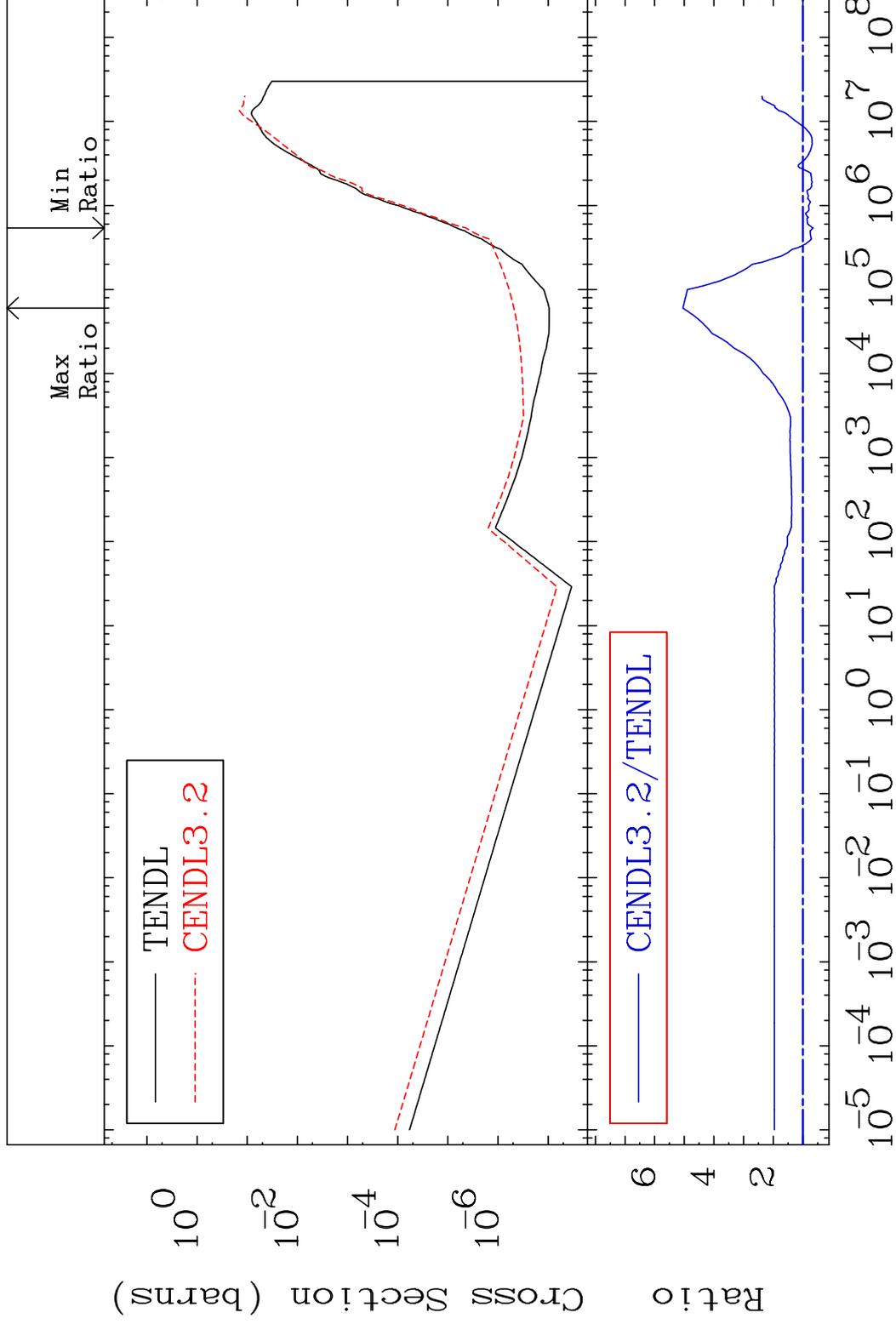
42-Mo-93

MAT 4228

(n, p)

42-Mo-93

Cross Section -34.58 To 405.0 %



23

Incident Energy (eV)

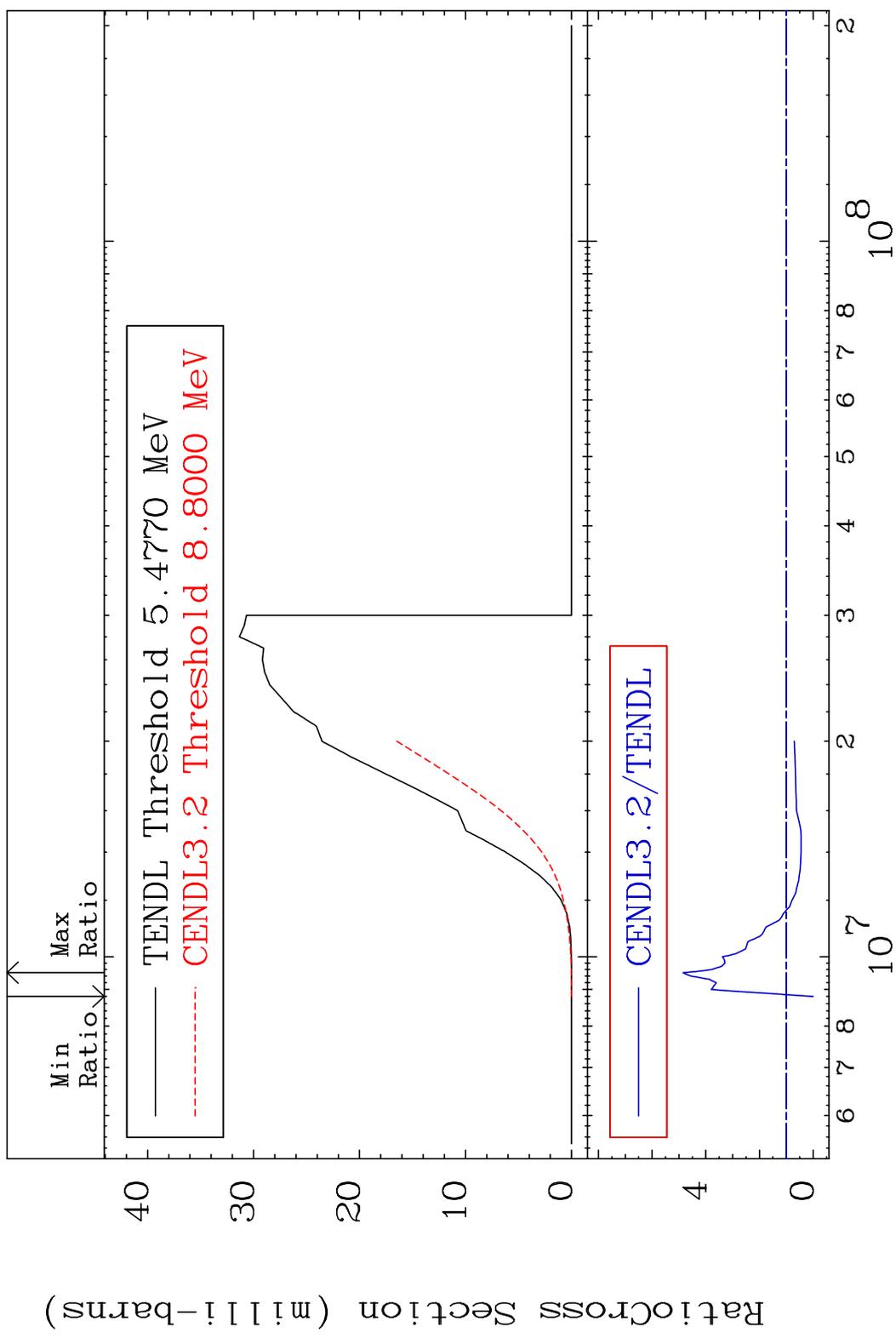
42-Mo-93

MAT 4228

(n,d)

42-Mo-93

Cross Section -100.0 To 385.5 %



24

Incident Energy (eV)

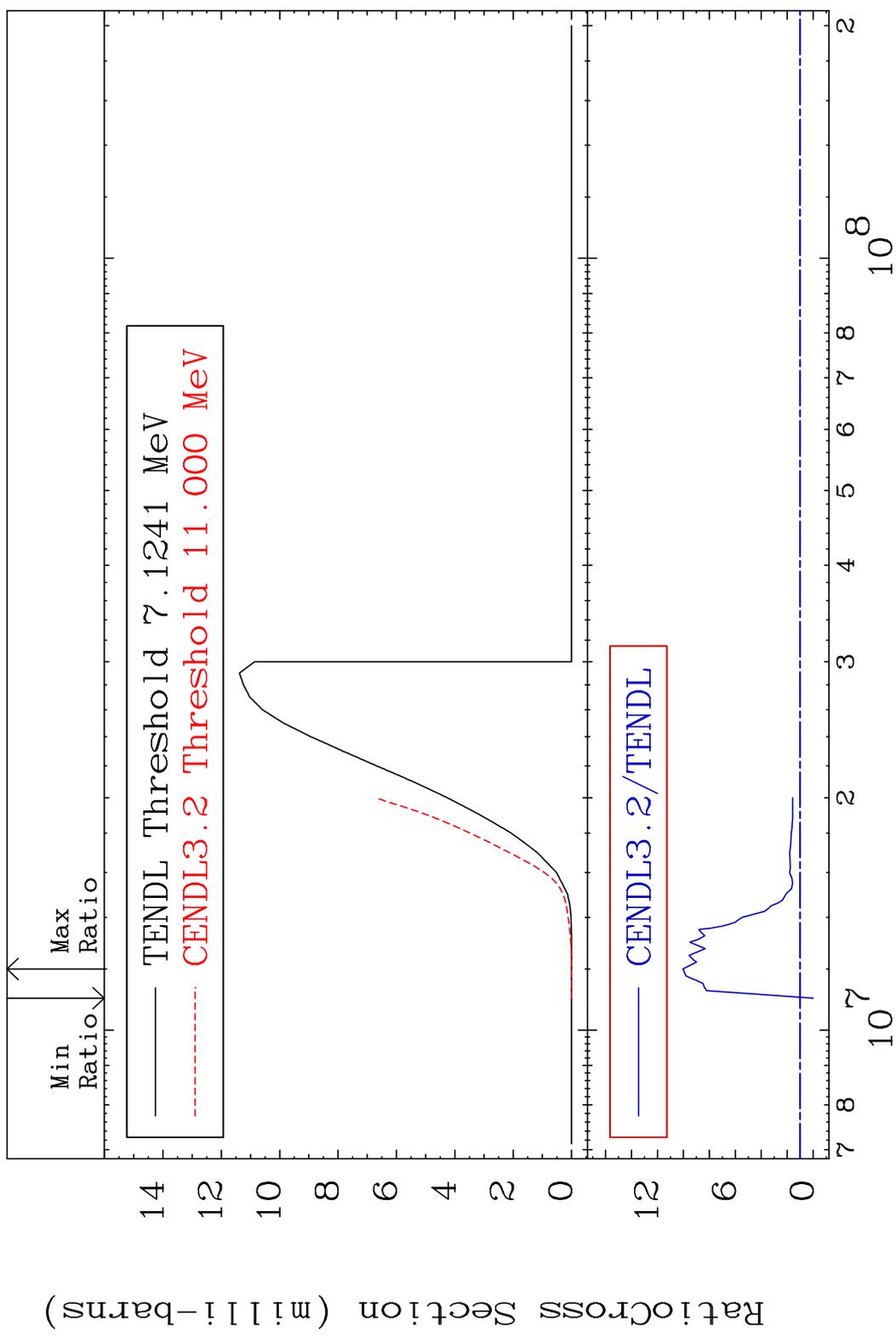
42-Mo-93

MAT 4228

(n, t)

42-Mo-93

Cross Section -100.0 To 904.6 %



25

Incident Energy (eV)

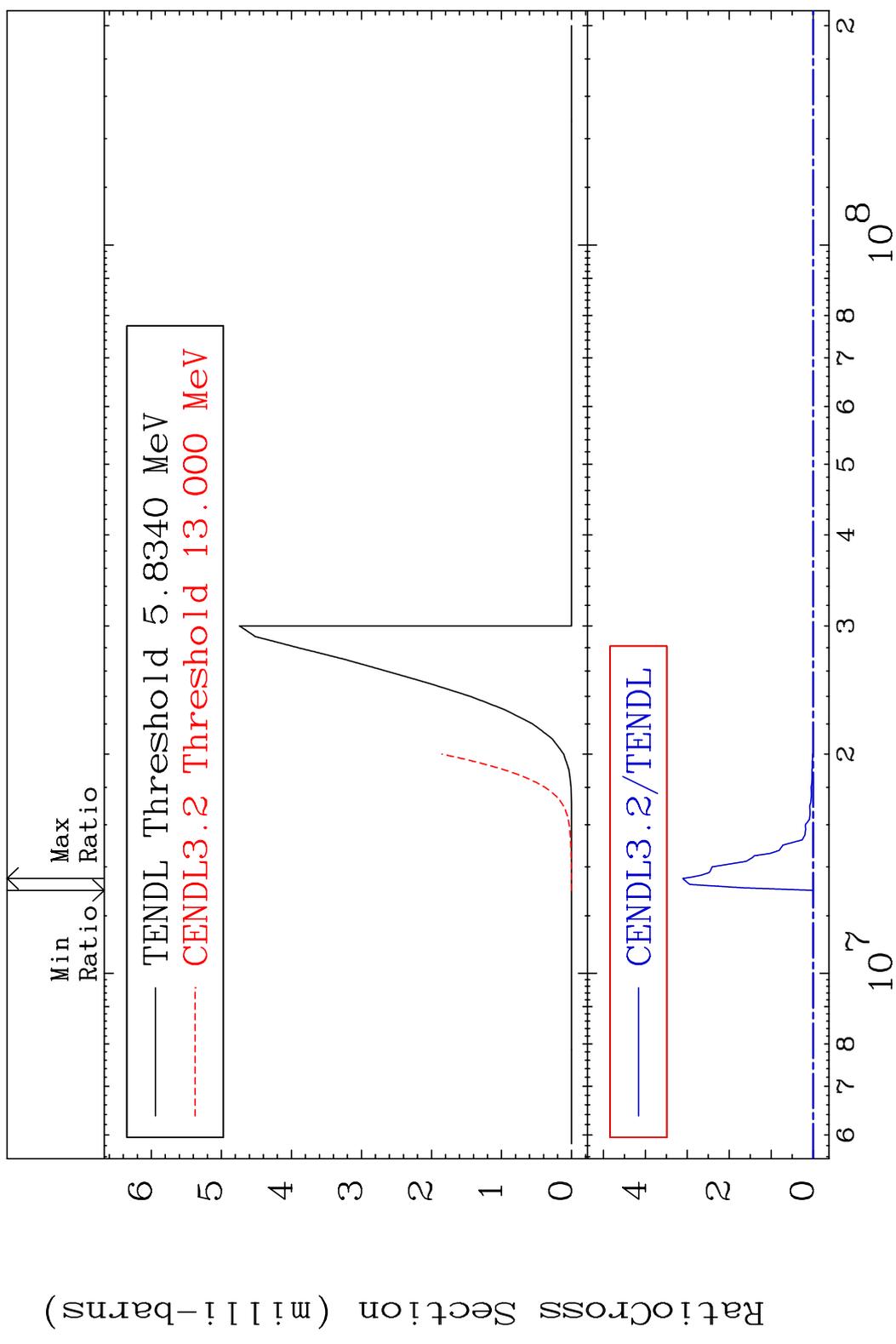
42-Mo-93

MAT 4228

(n, He-3)

42-Mo-93

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

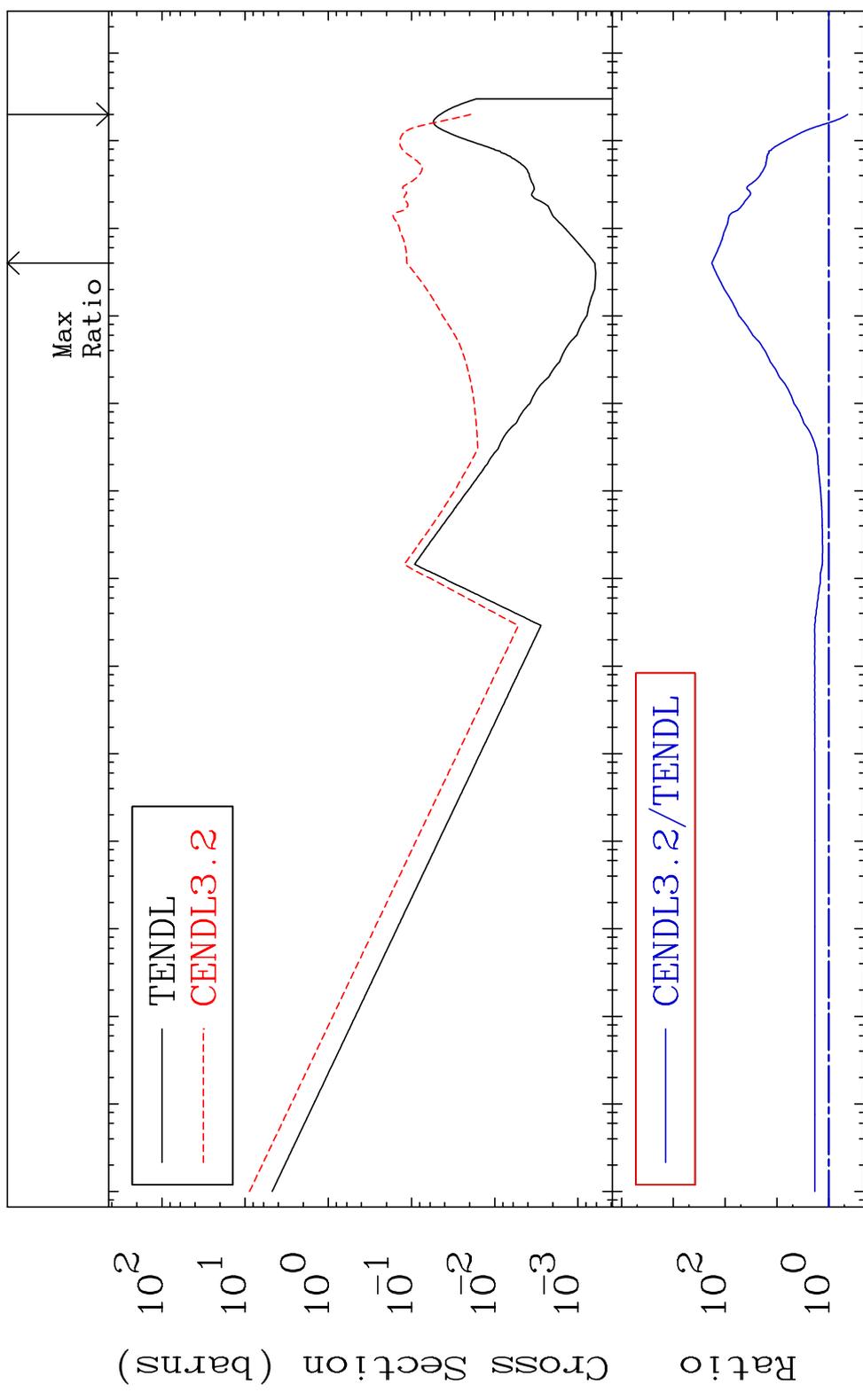
42-Mo-93

MAT 4228

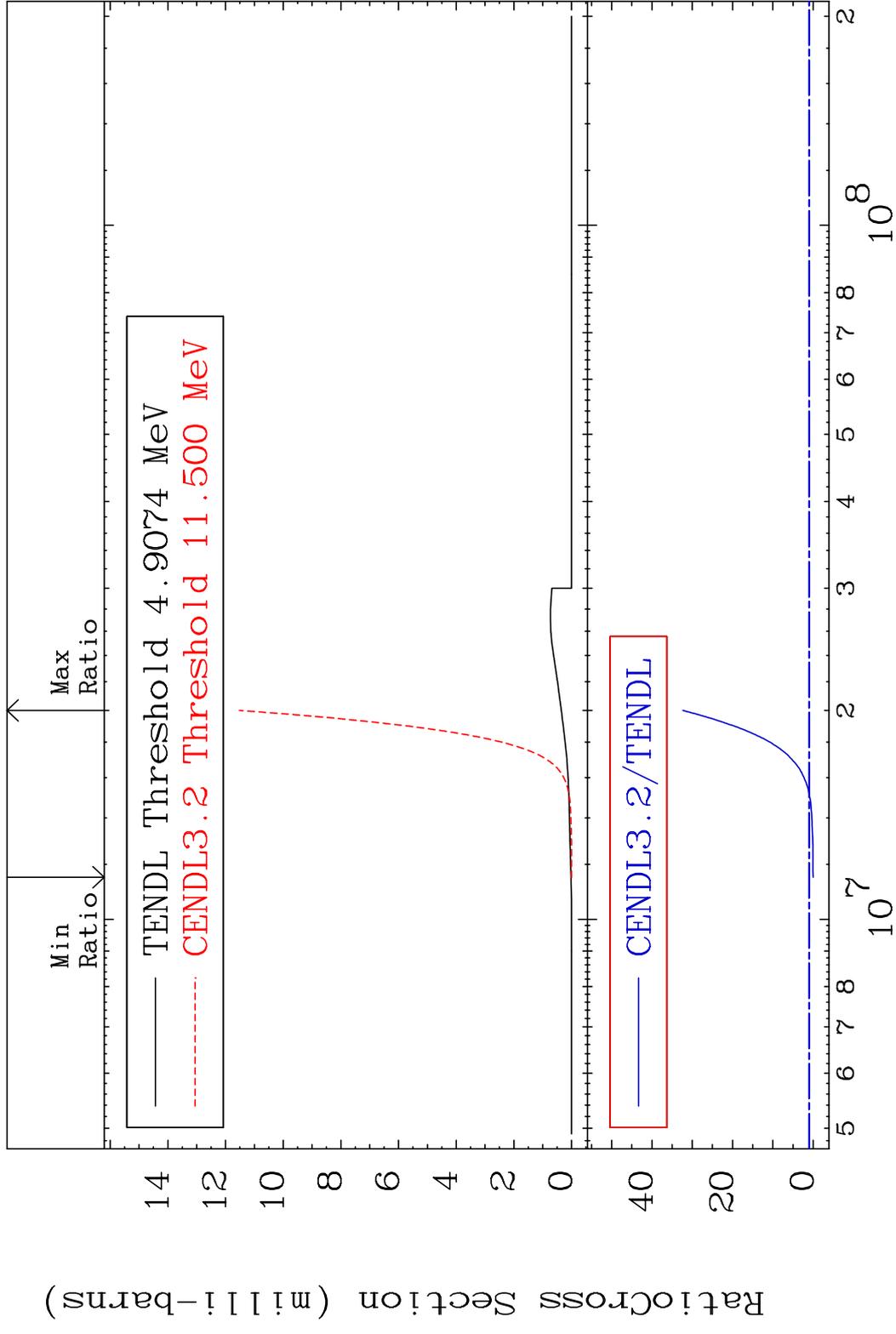
(n, α)

42-Mo-93

Cross Section -56.63 To 9999. %



MAT 4228 (n,2p) 42-Mo-93
 Cross Section -100.0 To 3134. %

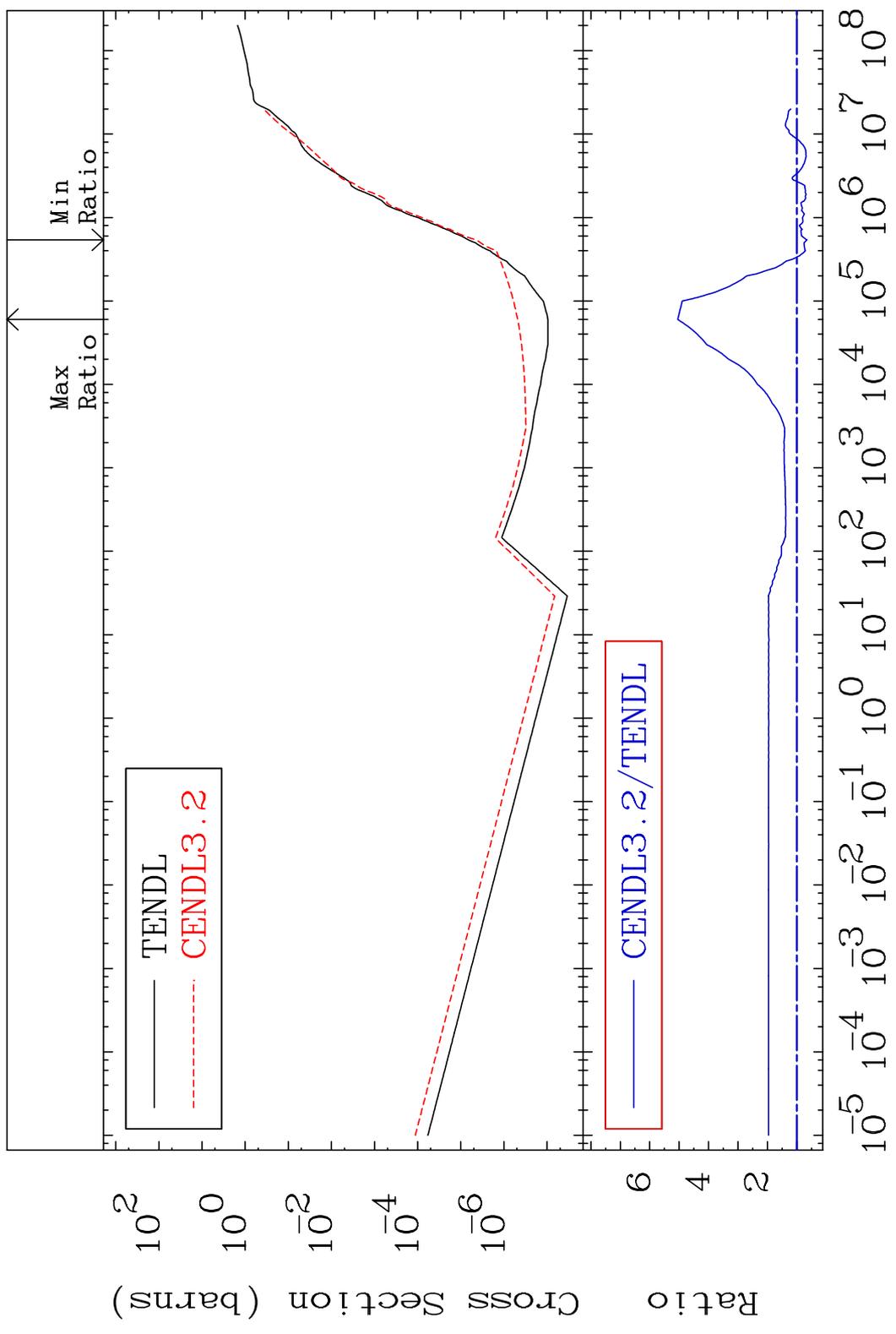


MAT 4228

Hydrogen Production

42-Mo-93

Cross Section -34.58 To 405.0 %



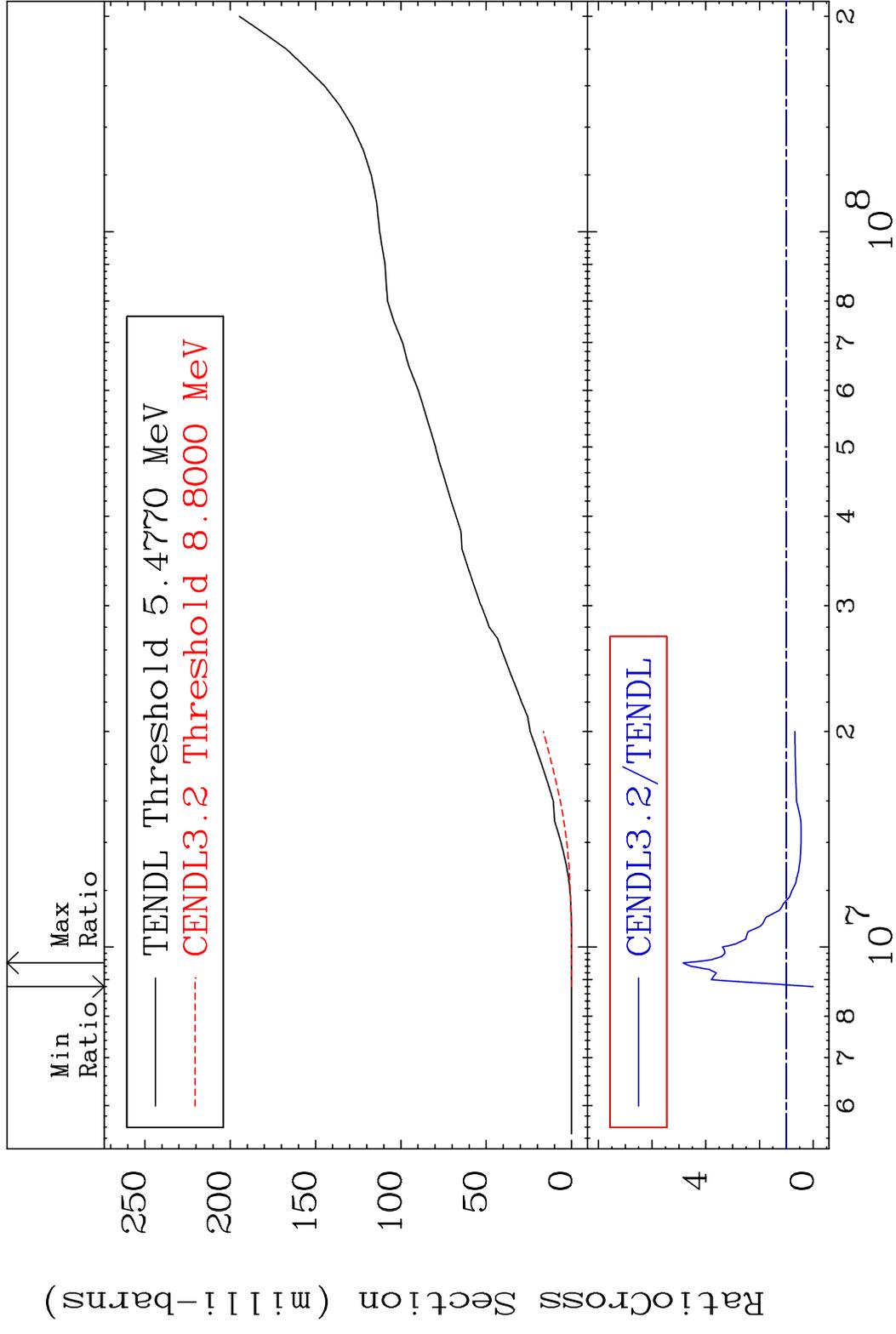
29

Incident Energy (eV)

42-Mo-93

MAT 4228

Deuterium Production 42-Mo-93
Cross Section -100.0 To 385.5 %



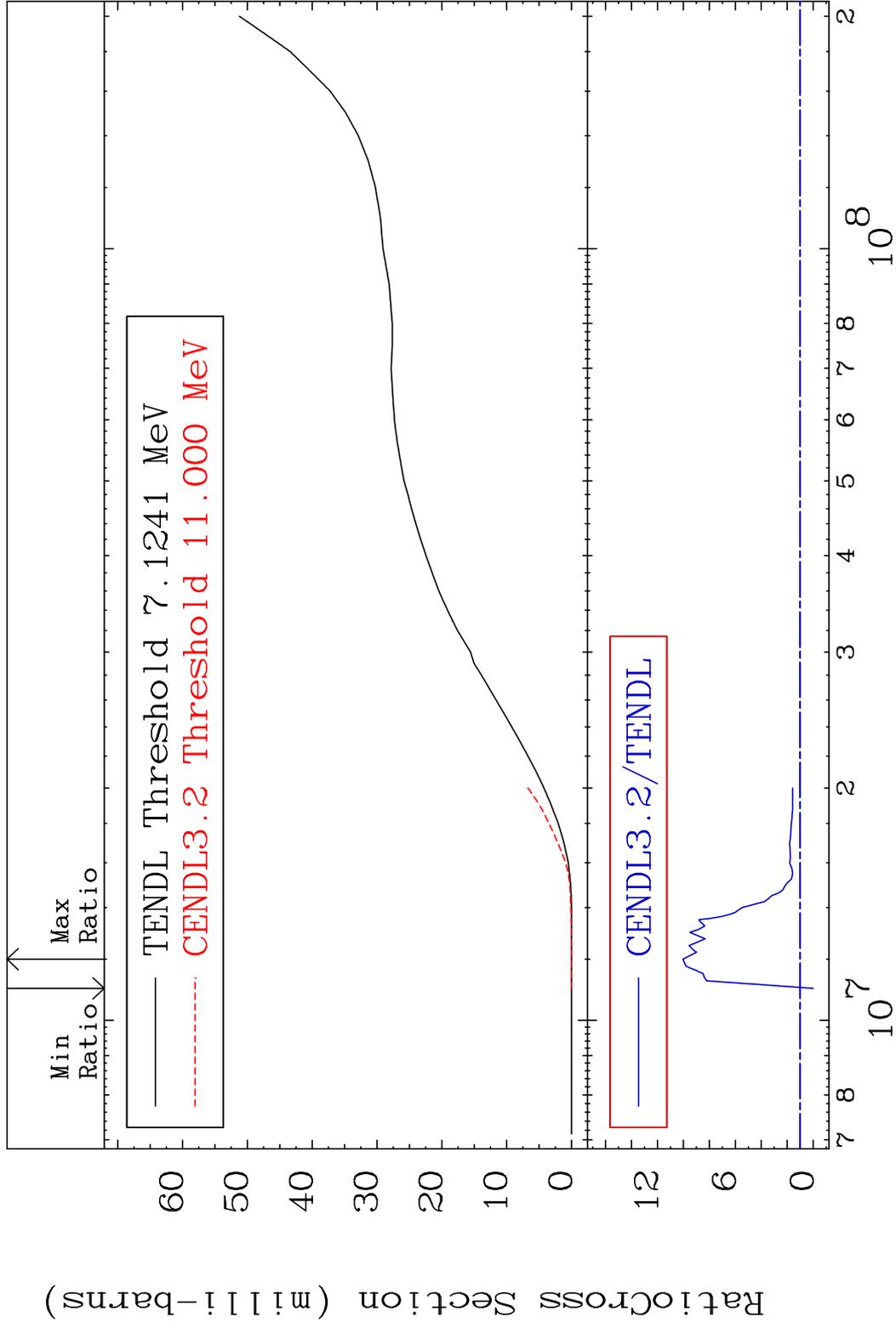
30

Incident Energy (eV)

42-Mo-93

MAT 4228

Tritium Production 42-Mo-93
Cross Section -100.0 To 904.6 %



31

Incident Energy (eV)

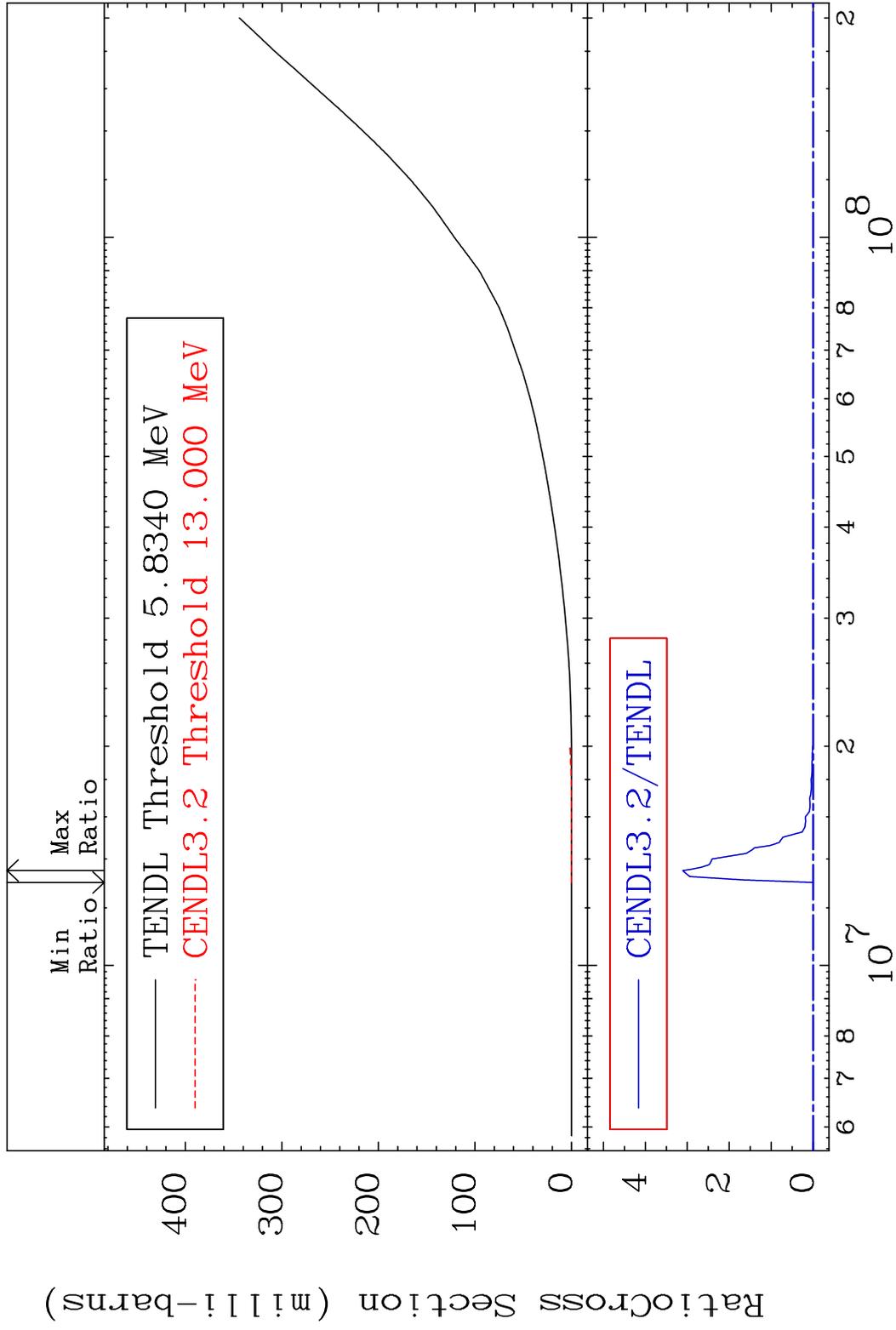
42-Mo-93

MAT 4228

He-3 Production

42-Mo-93

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

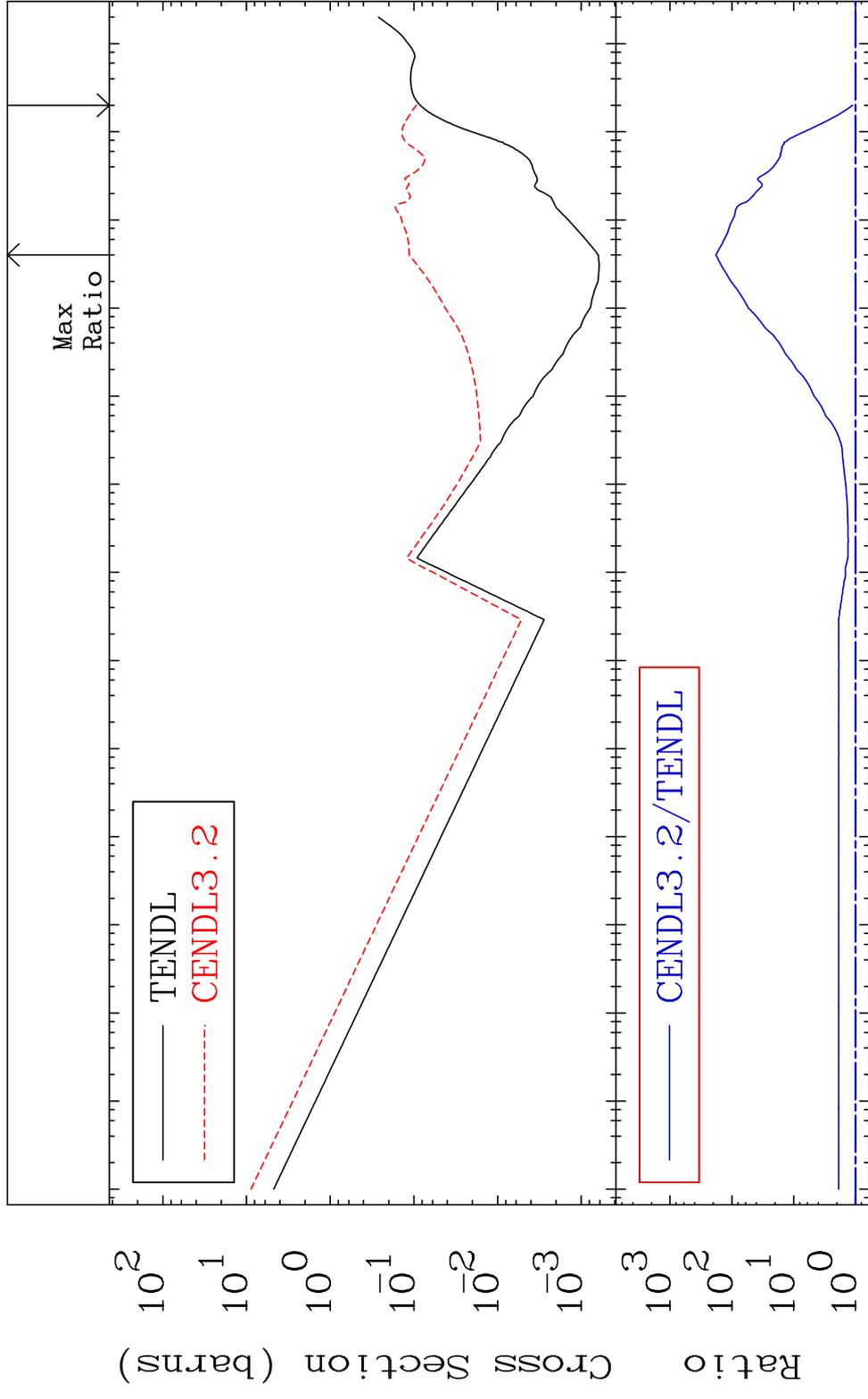
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section 11.84 To 9999. %

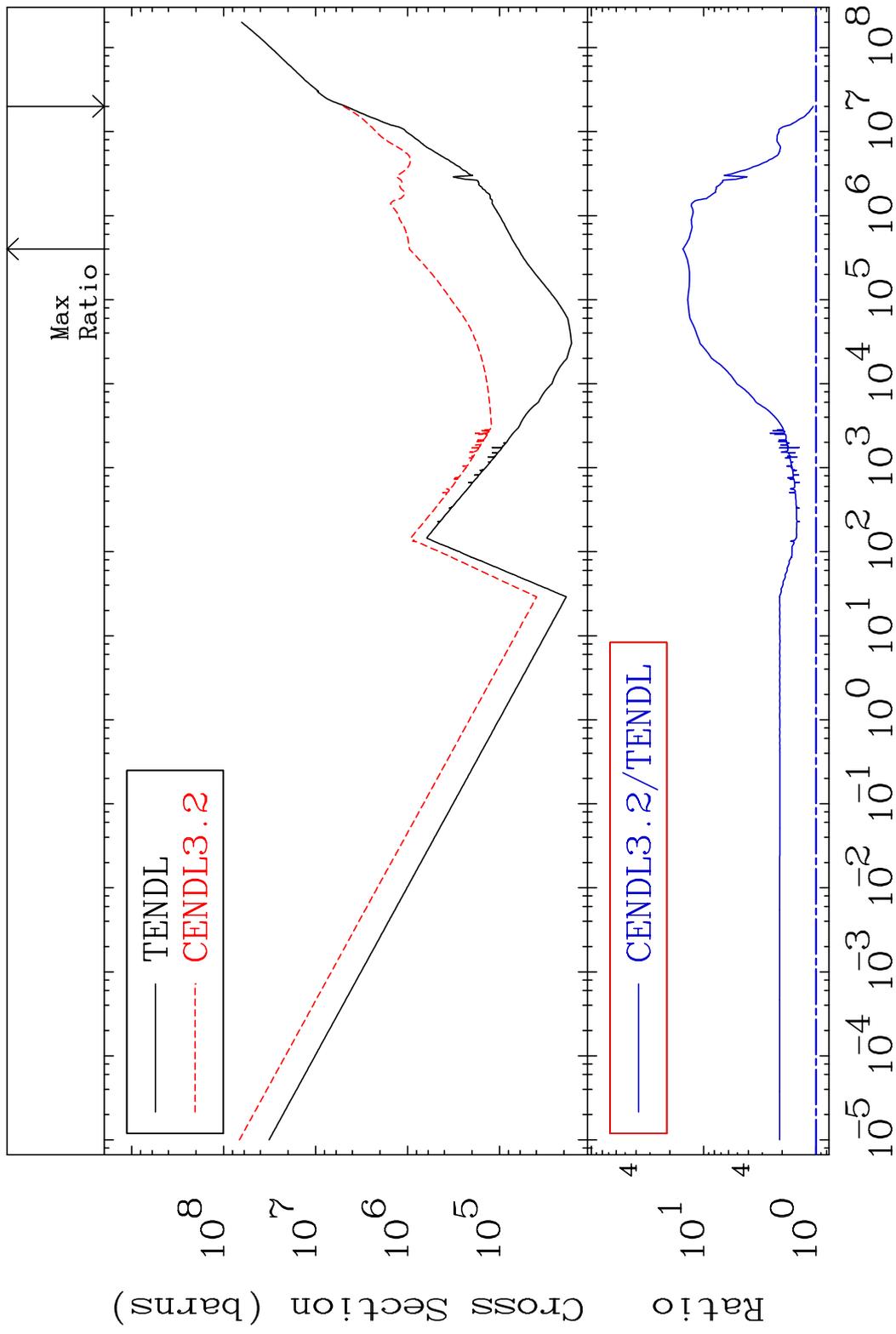


33

Incident Energy (eV)

42-Mo-93

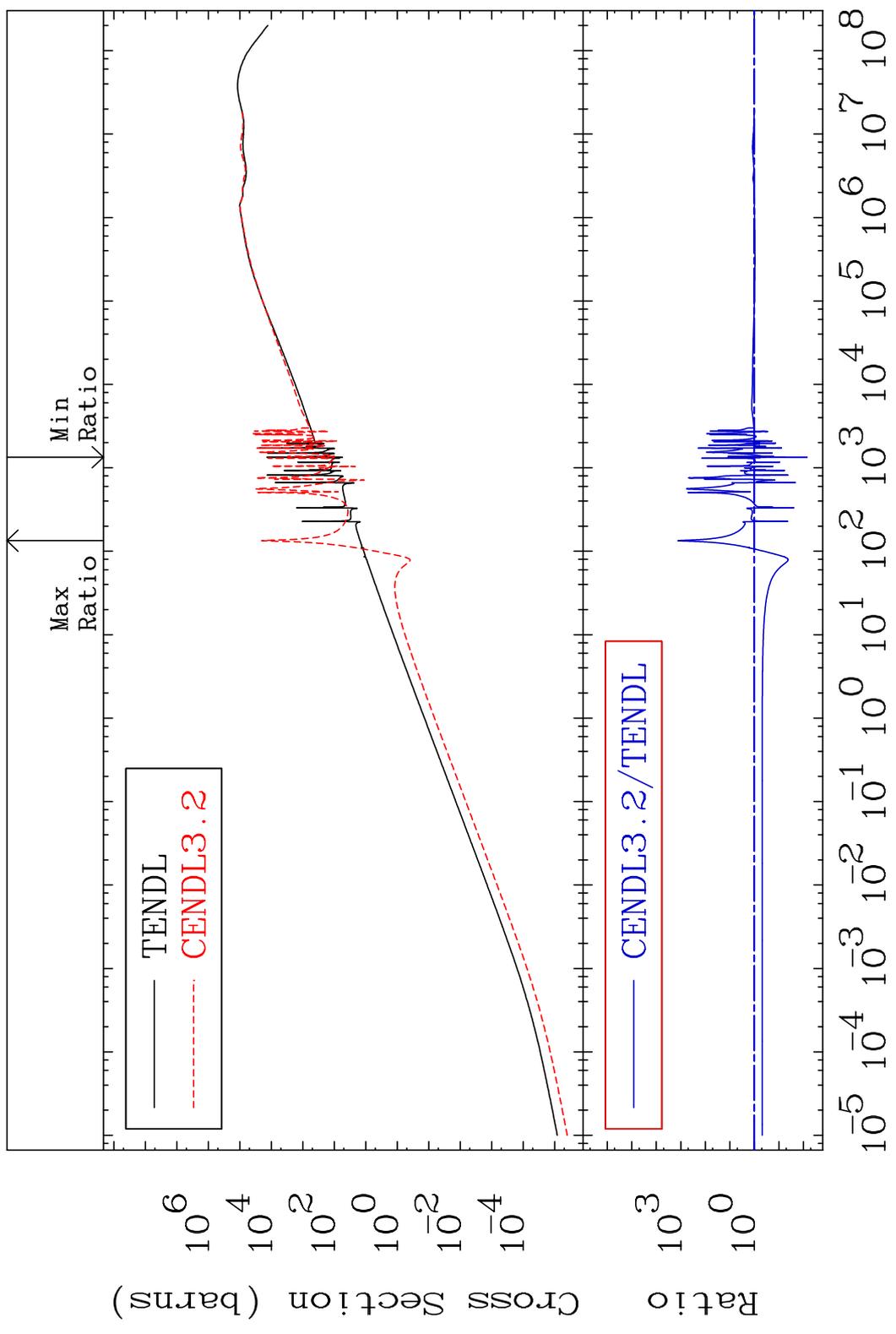
MAT 4228 Kerma total (eV-barns) 42-Mo-93
 Cross Section 5.773 To 1431. %



MAT 4228

Kerma elastic Cross Section -99.29 To 9999. %

42-Mo-93

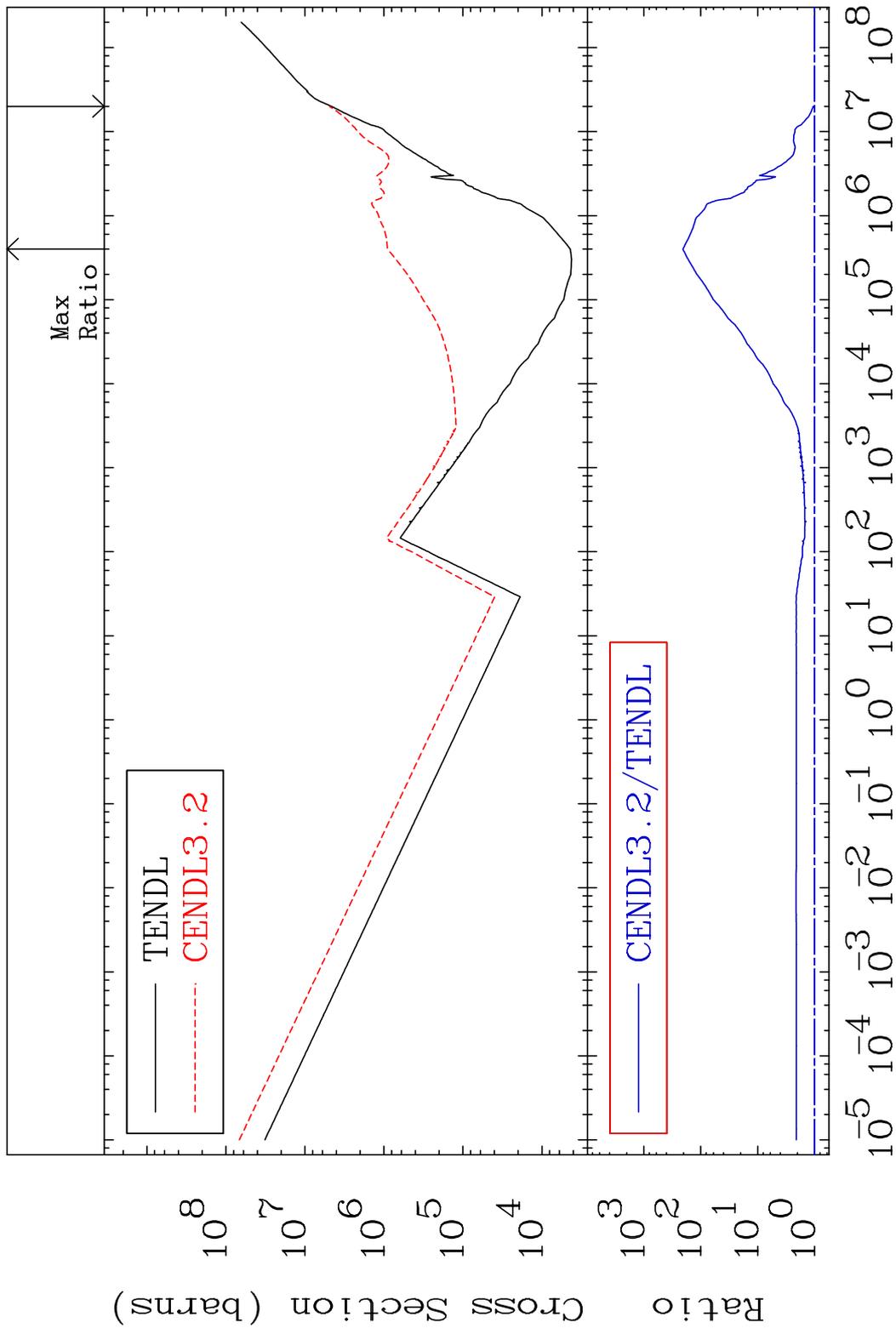


35

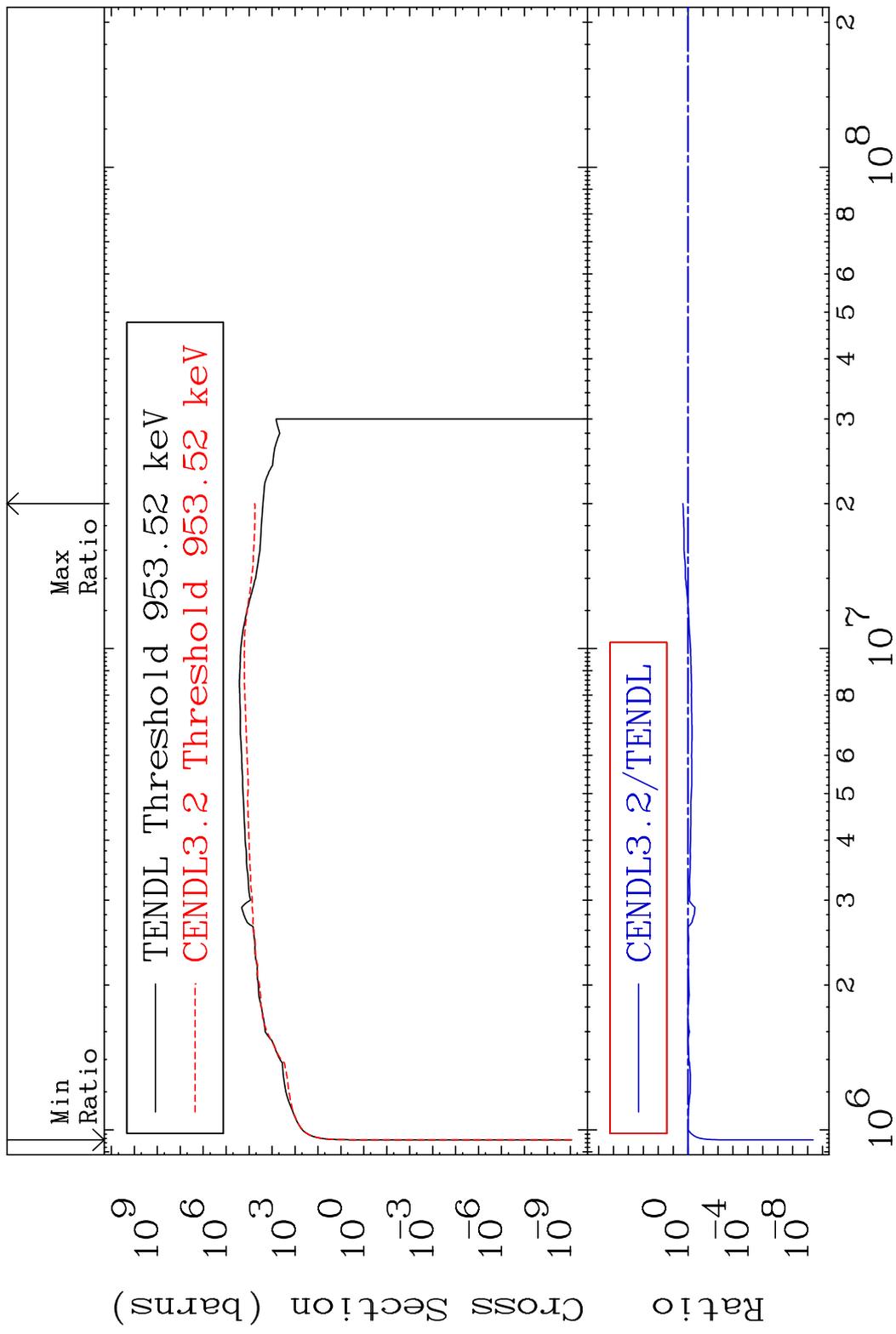
Incident Energy (eV)

42-Mo-93

MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93
 Cross Section 5.890 To 9999. %

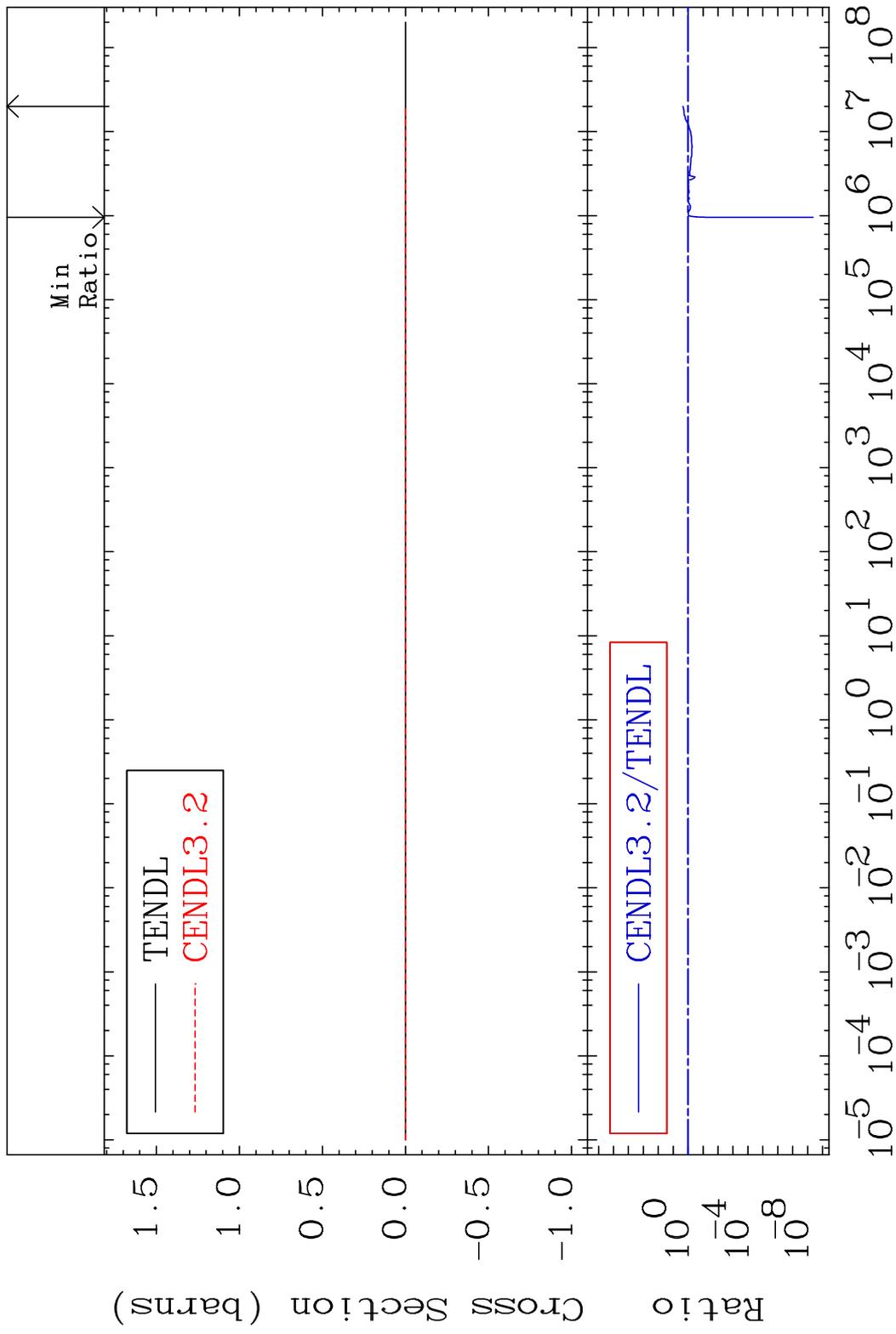


MAT 4228 Kerma inelastic (mt51-91) 42-Mo-93
 Cross Section -100.0 To 127.4 %



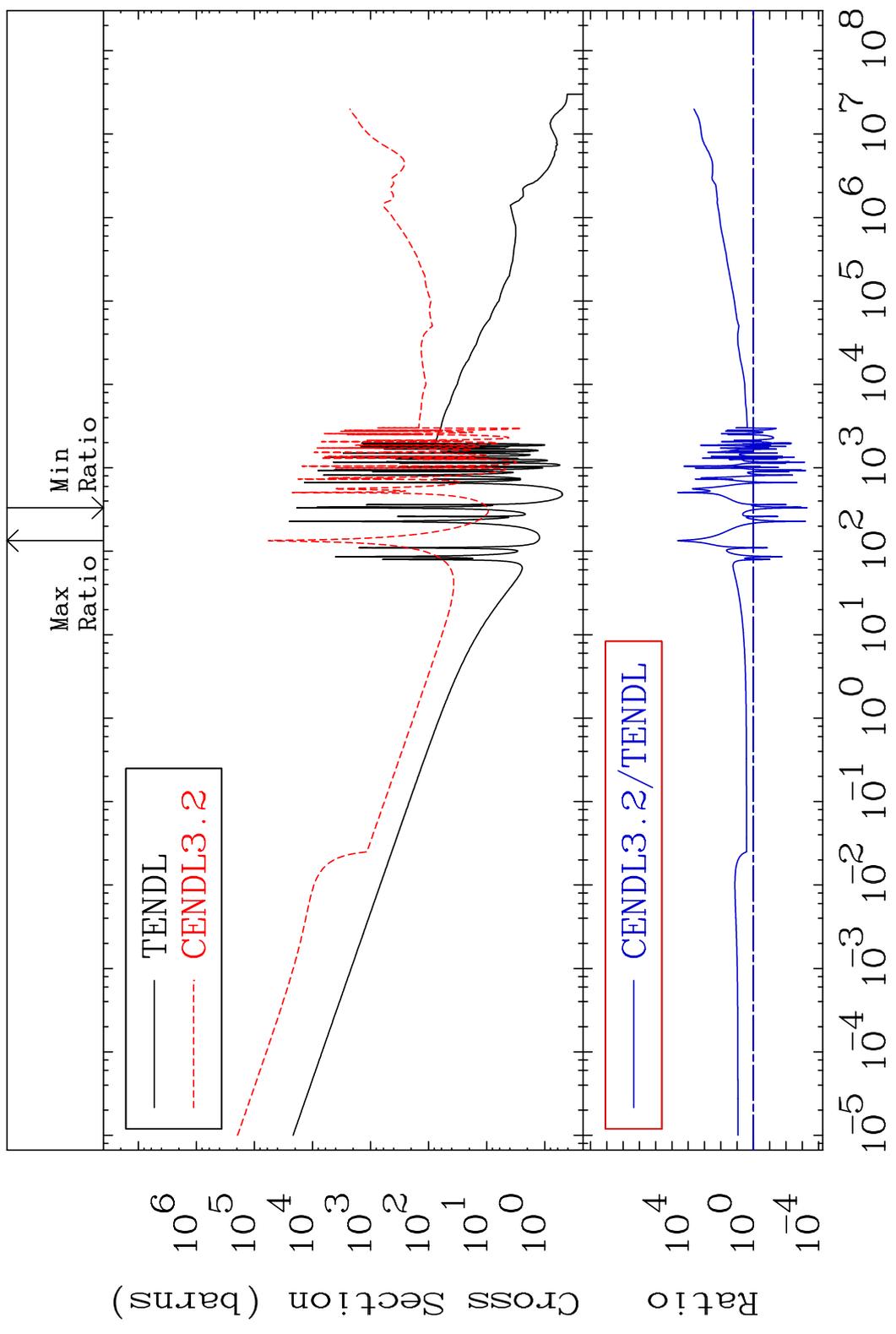
37 Incident Energy (eV) 42-Mo-93

MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93
 Cross Section -100.0 To 127.4 %



MAT 4228

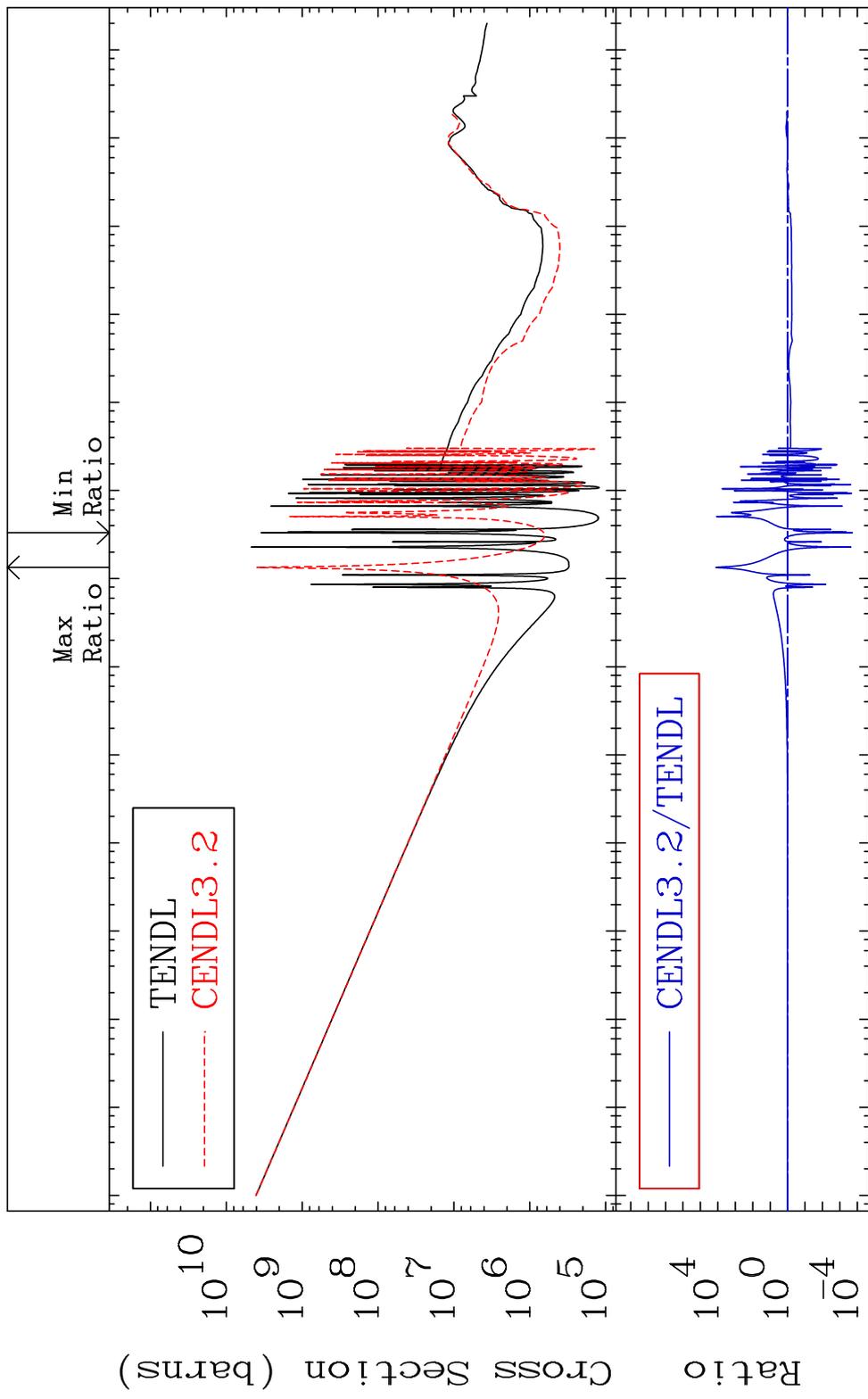
Kerma capture (mt102) 42-Mo-93
Cross Section -99.95 To 9999. %



39

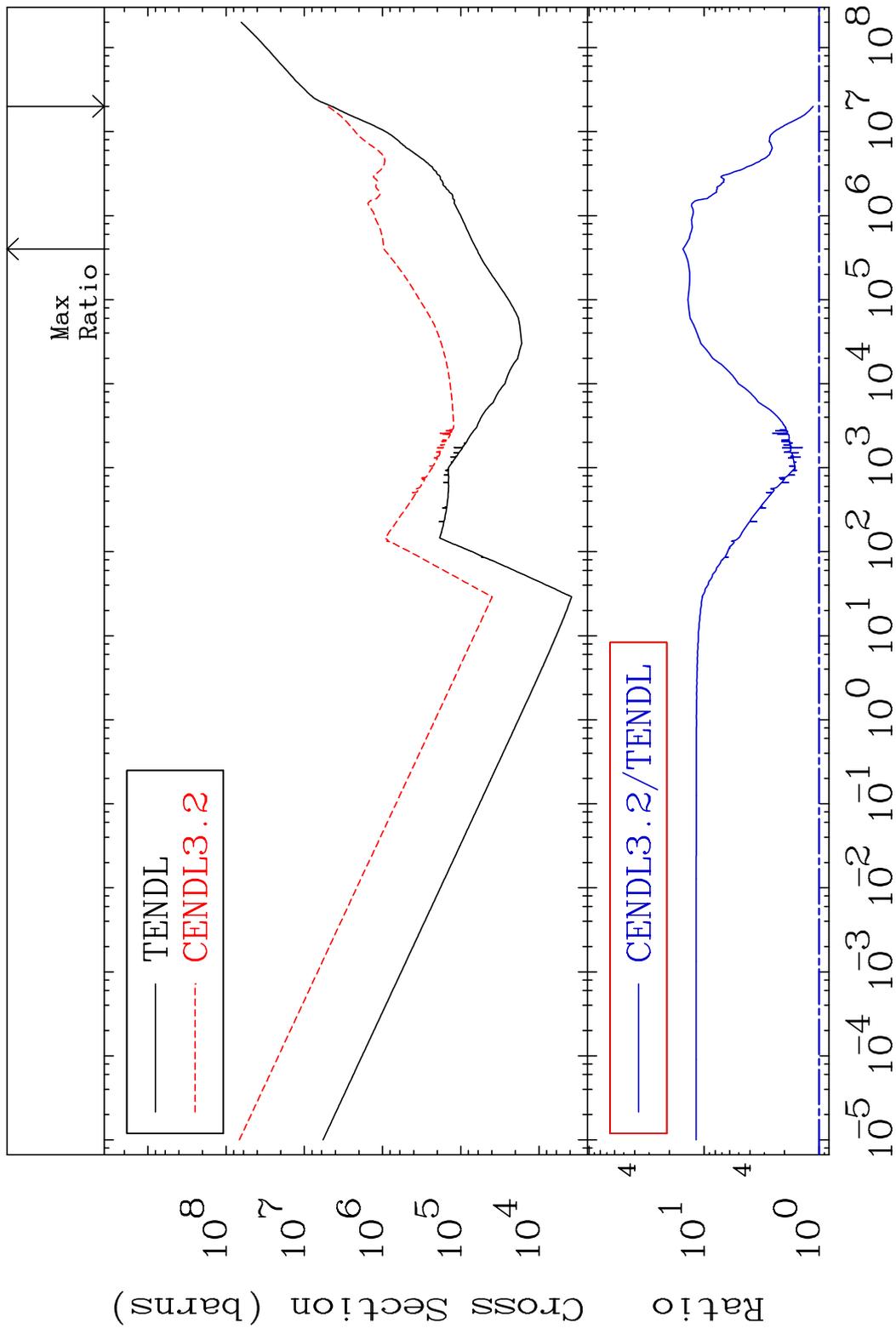
Incident Energy (eV) 42-Mo-93

MAT 4228 Total photon (eV-barns) 42-Mo-93
 Cross Section -99.98 To 9999. %



40 Incident Energy (eV) 42-Mo-93

MAT 4228 Total kinematic kerma (high limit) 42-Mo-93
 Cross Section 12.73 To 1430. %

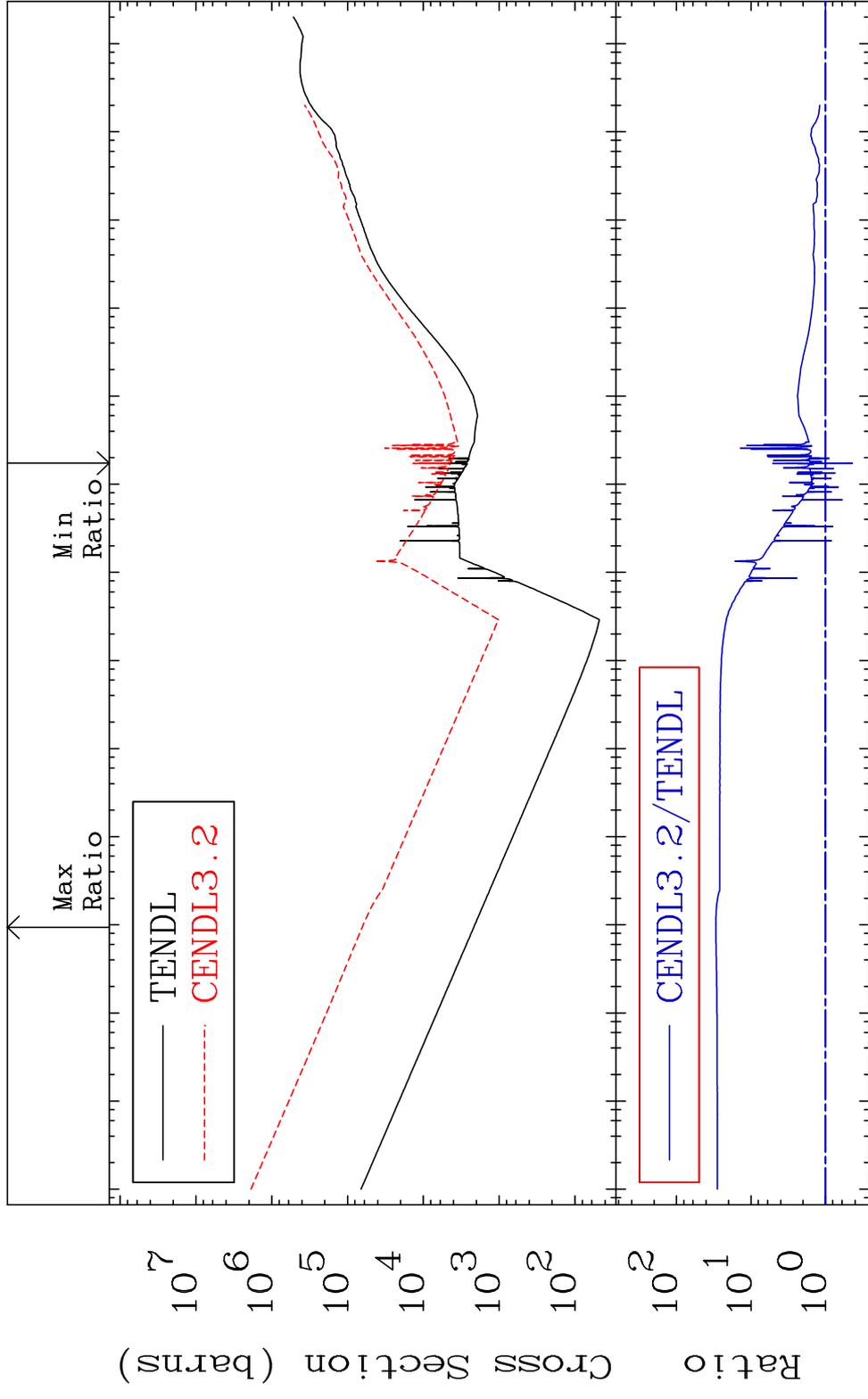


MAT 4228

Dpa total (eV-barns)

42-Mo-93

Cross Section -56.53 To 2863. %



42

Incident Energy (eV)

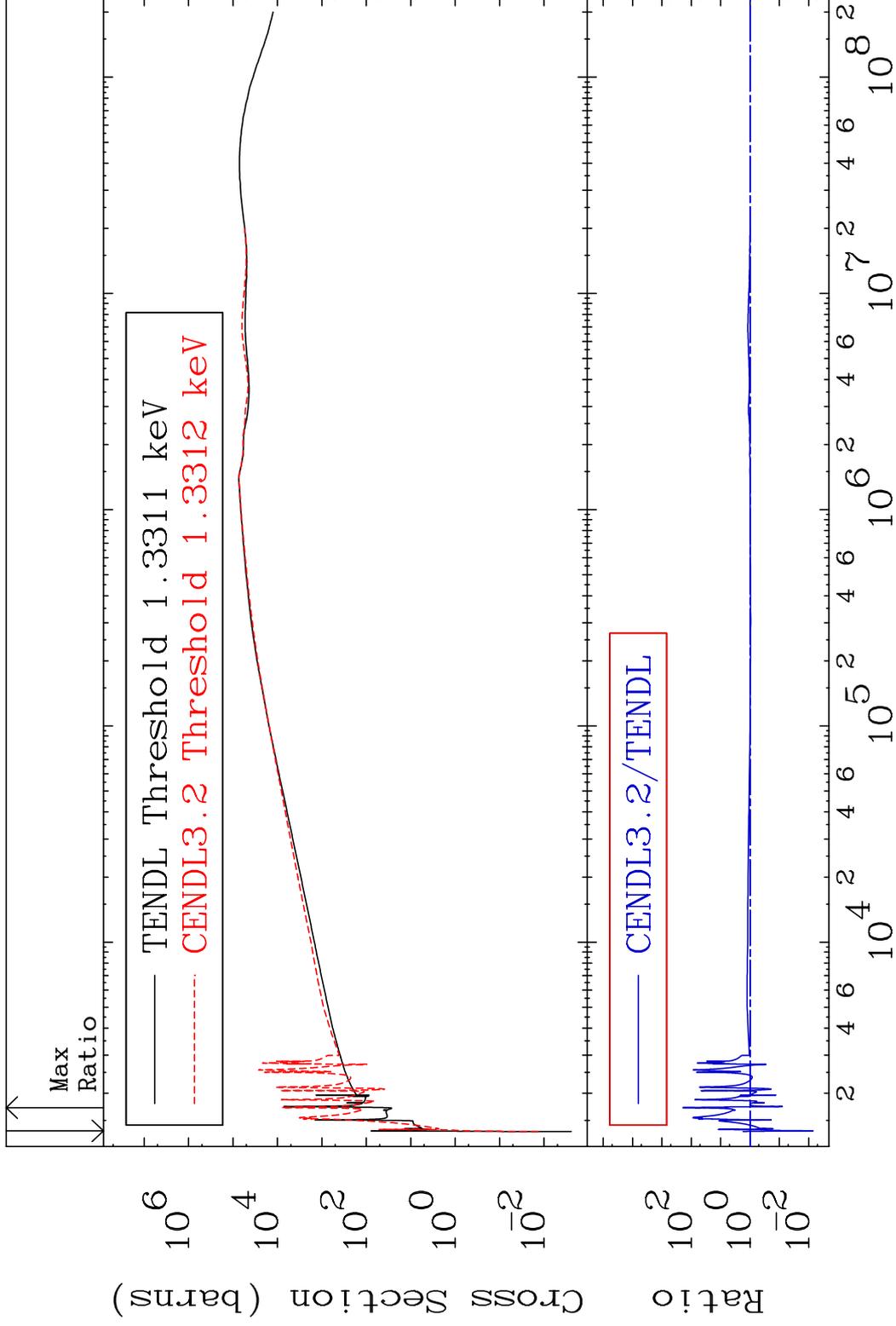
42-Mo-93

MAT 4228

Dpa elastic (mt2)

42-Mo-93

Cross Section -99.29 To 9999. %

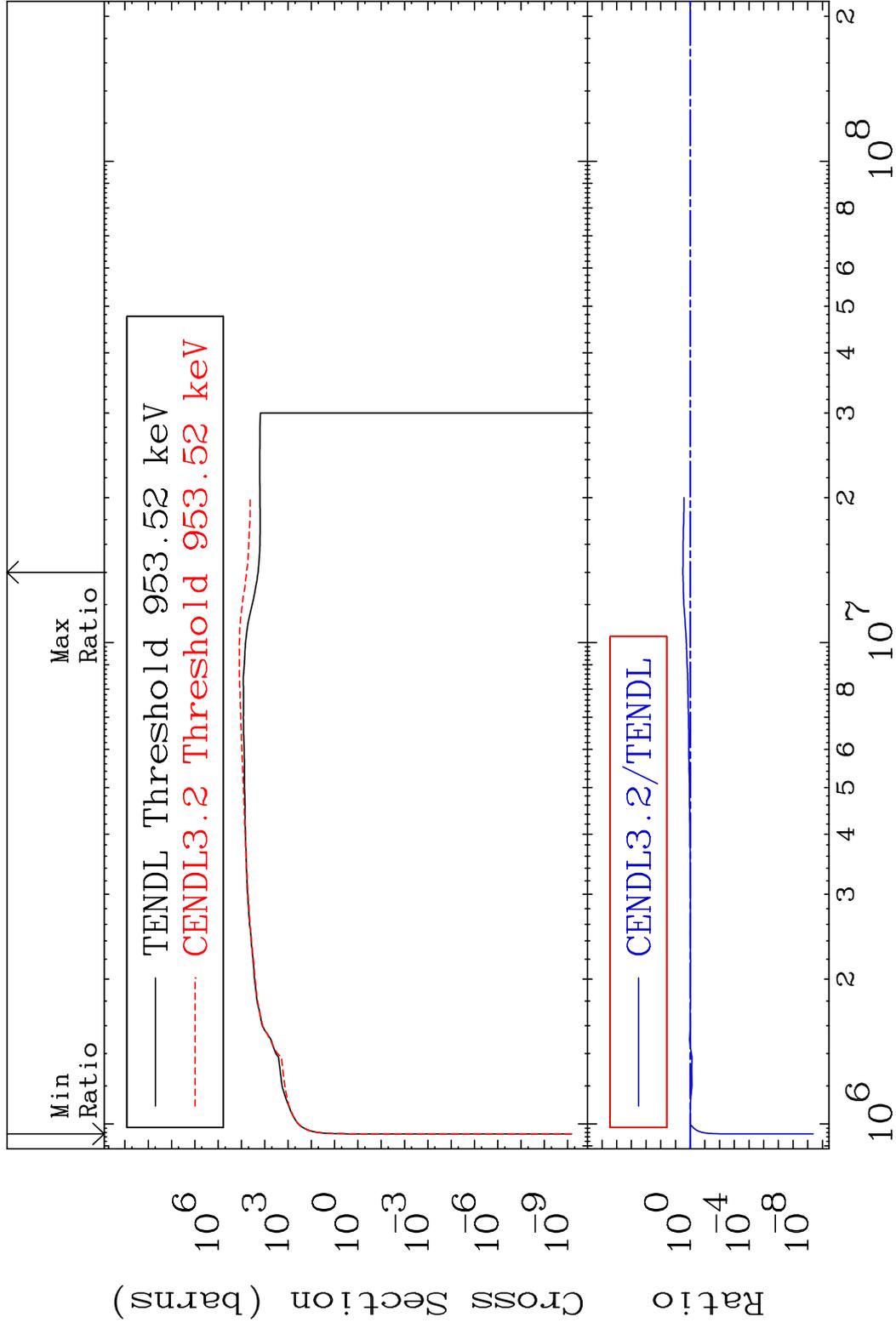


43

Incident Energy (eV)

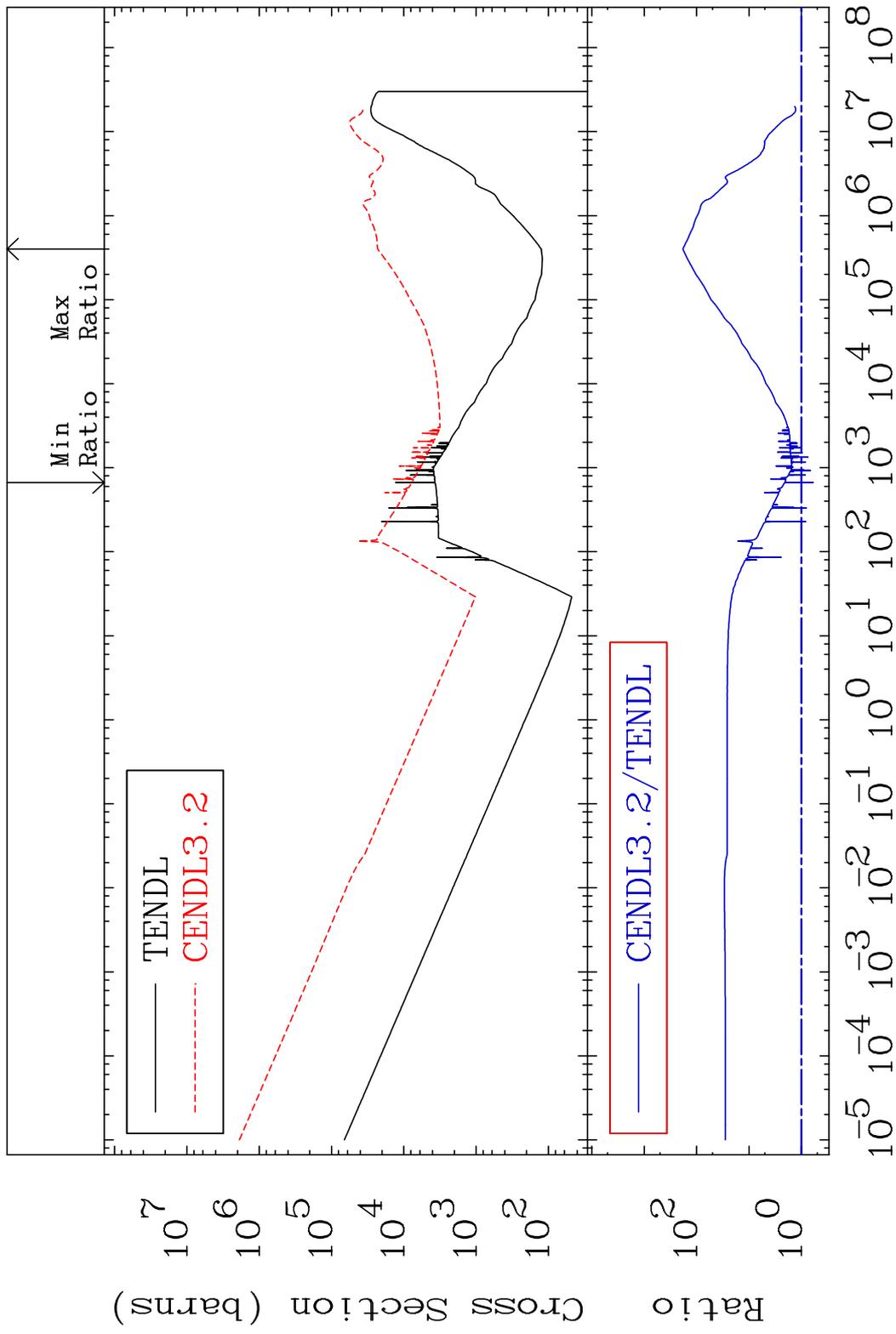
42-Mo-93

MAT 4228 Dpa inelastic (mt51-91) 42-Mo-93
 Cross Section -100.0 To 216.2 %



44 Incident Energy (eV) 42-Mo-93

MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93
 Cross Section -40.22 To 9999. %

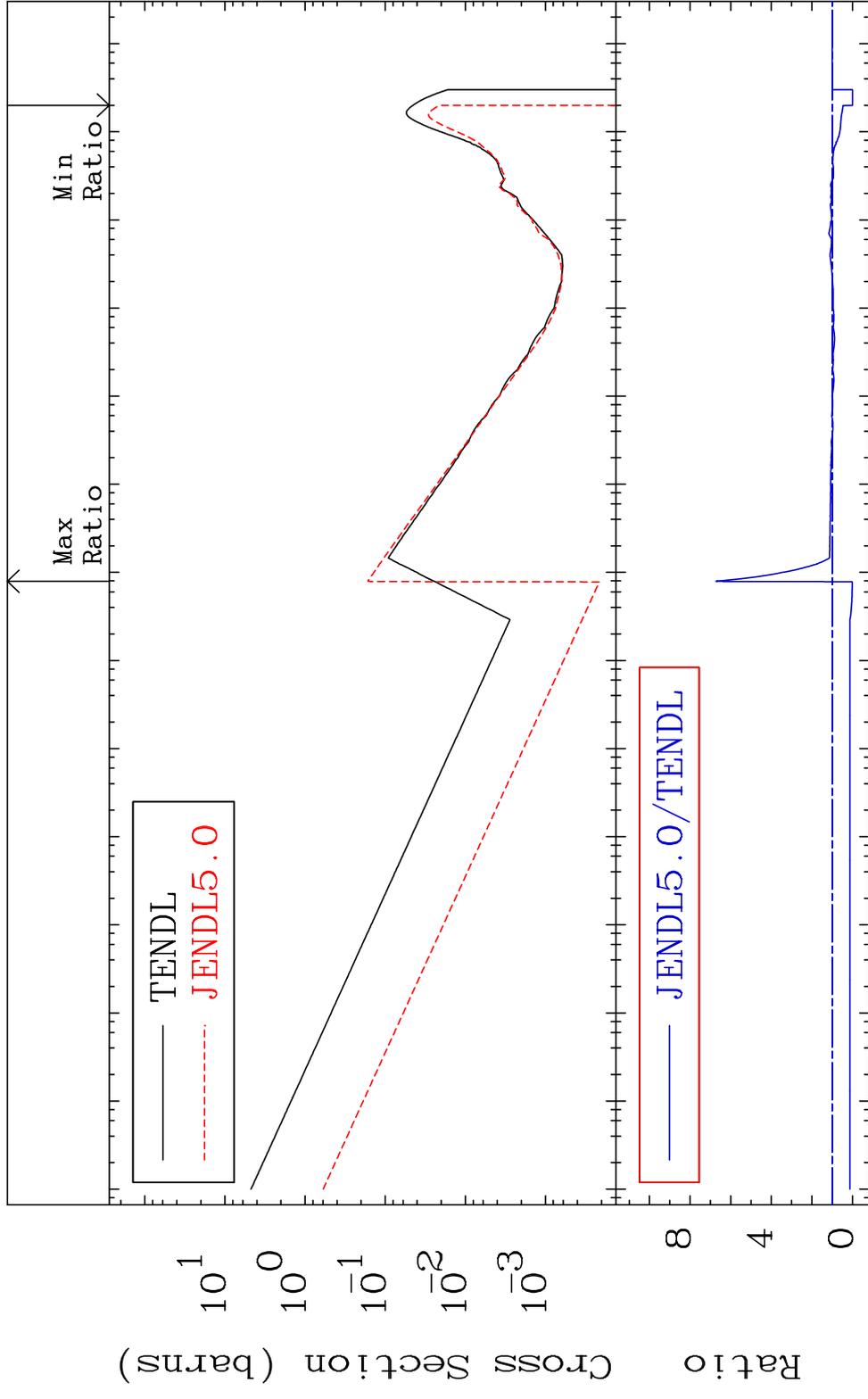


MAT 4228

42-Mo-93

(n, α)

Cross Section -100.0 To 573.0 %



46

Incident Energy (eV)

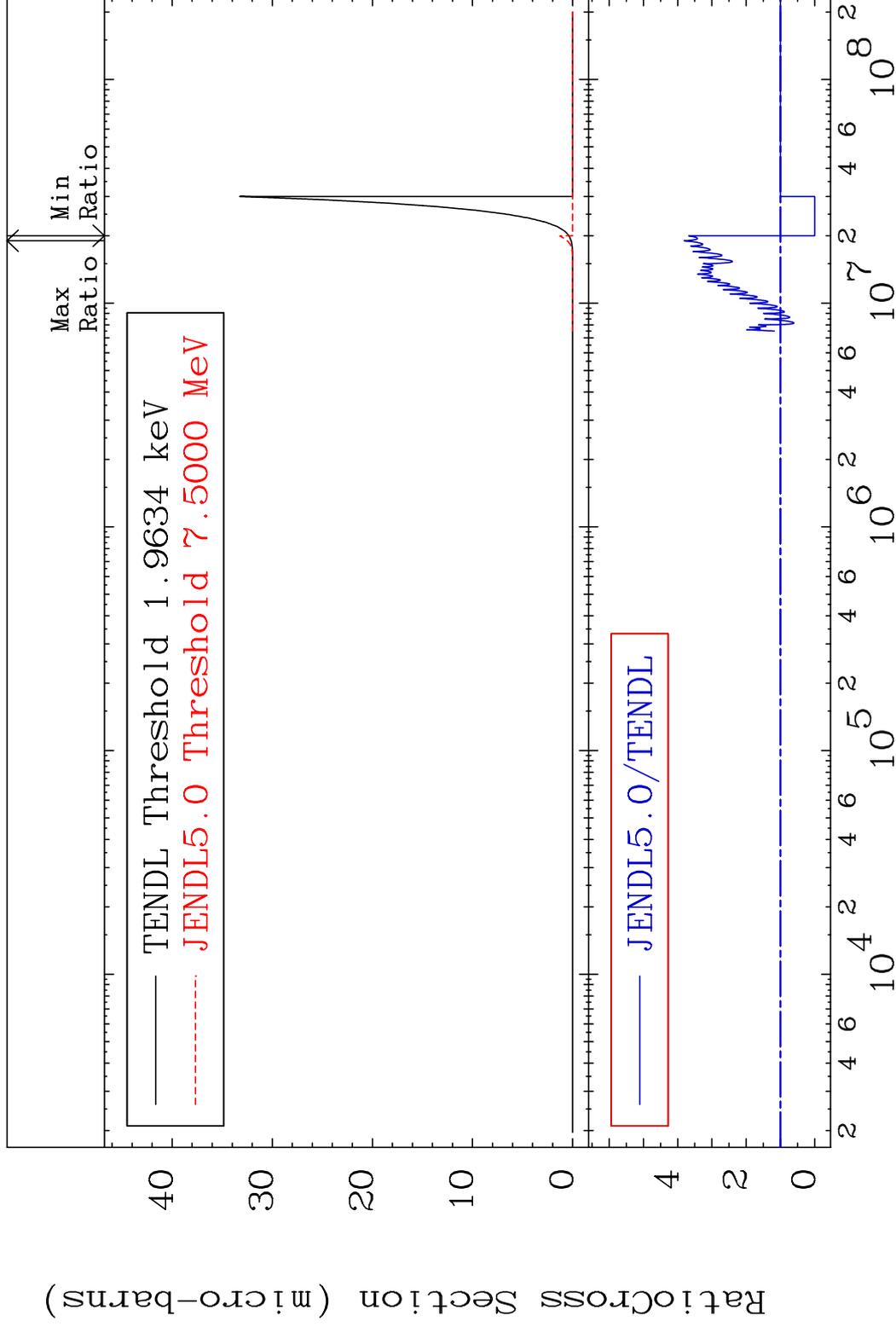
42-Mo-93

MAT 4228

(n,2α)

42-Mo-93

Cross Section -100.0 To 281.1 %

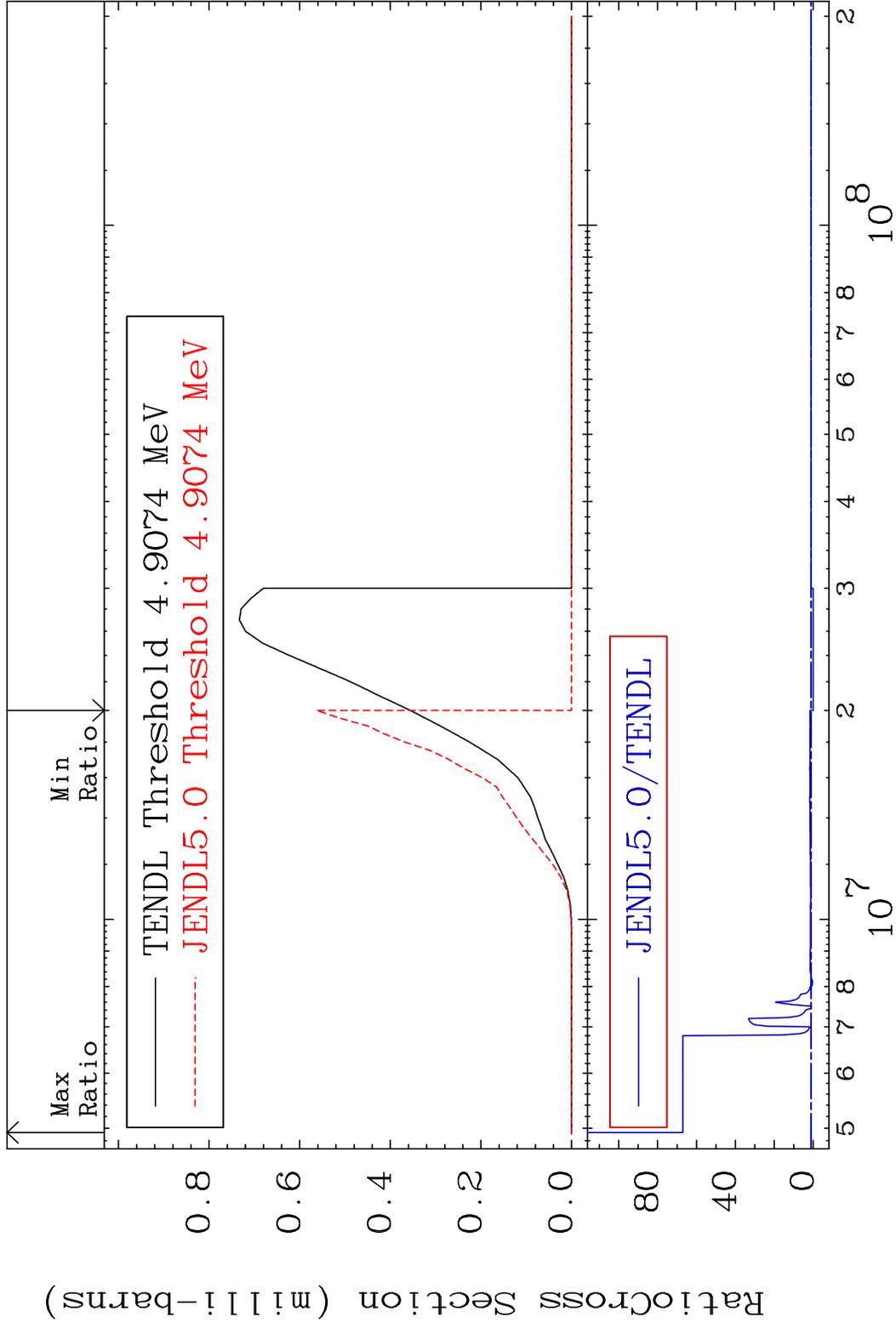


47

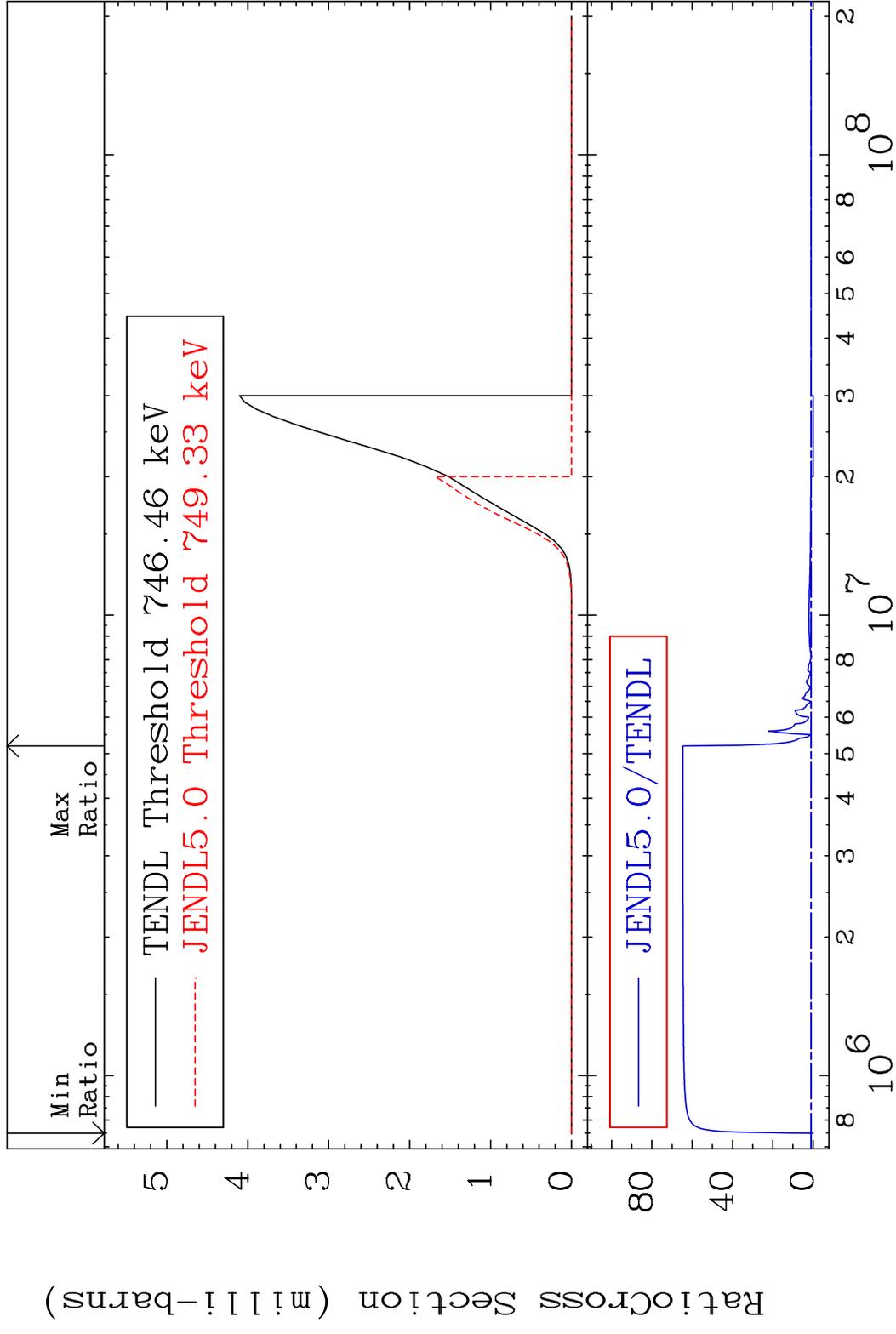
Incident Energy (eV)

42-Mo-93

MAT 4228 (n,2p) 42-Mo-93
 Cross Section -100.0 To 6604. %



MAT 4228 (n,p) α 42-Mo-93
 Cross Section -100.0 To 6365. %



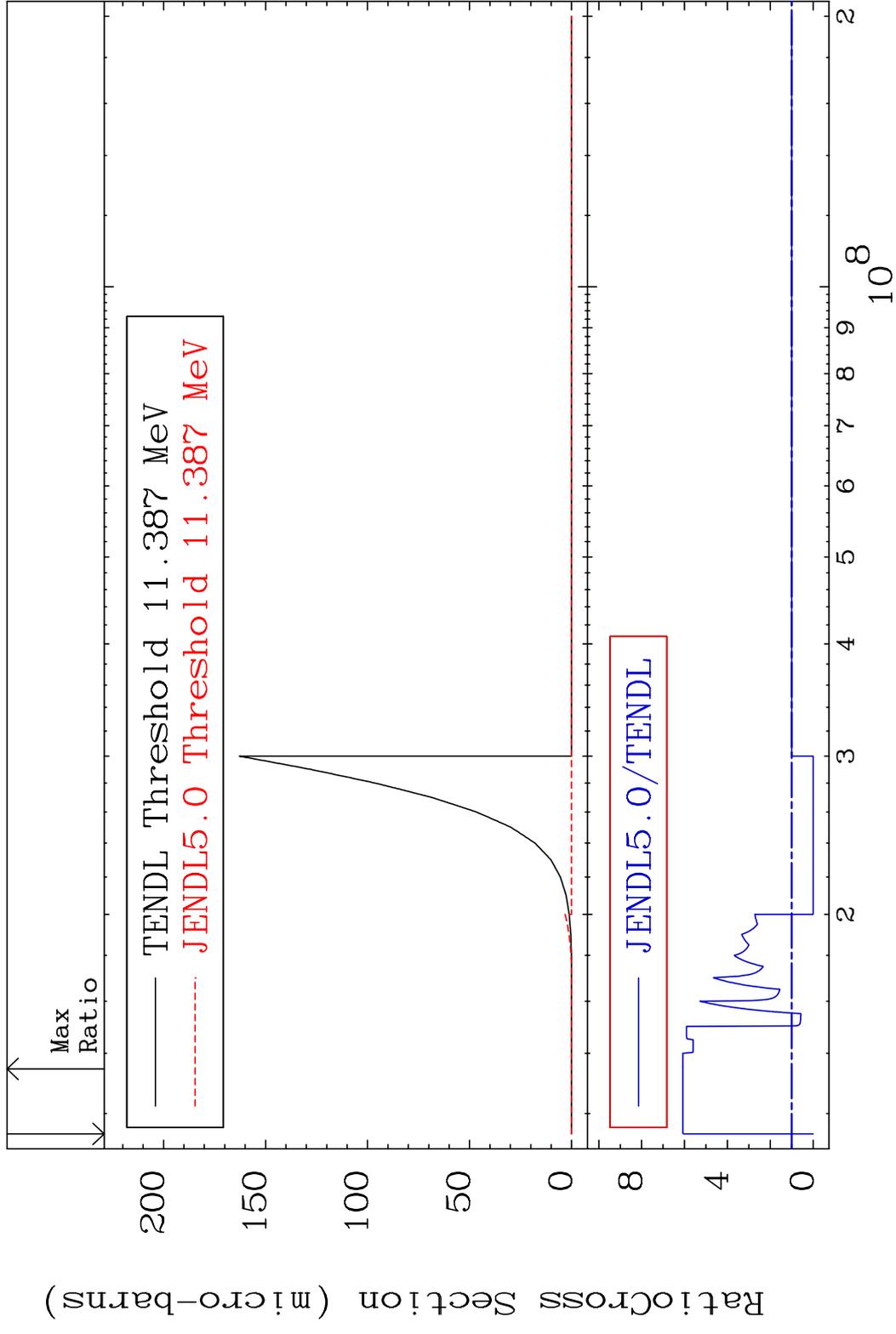
49 42-Mo-93

MAT 4228

(n,p) d

42-Mo-93

Cross Section -100.0 To 507.9 %



50

Incident Energy (eV)

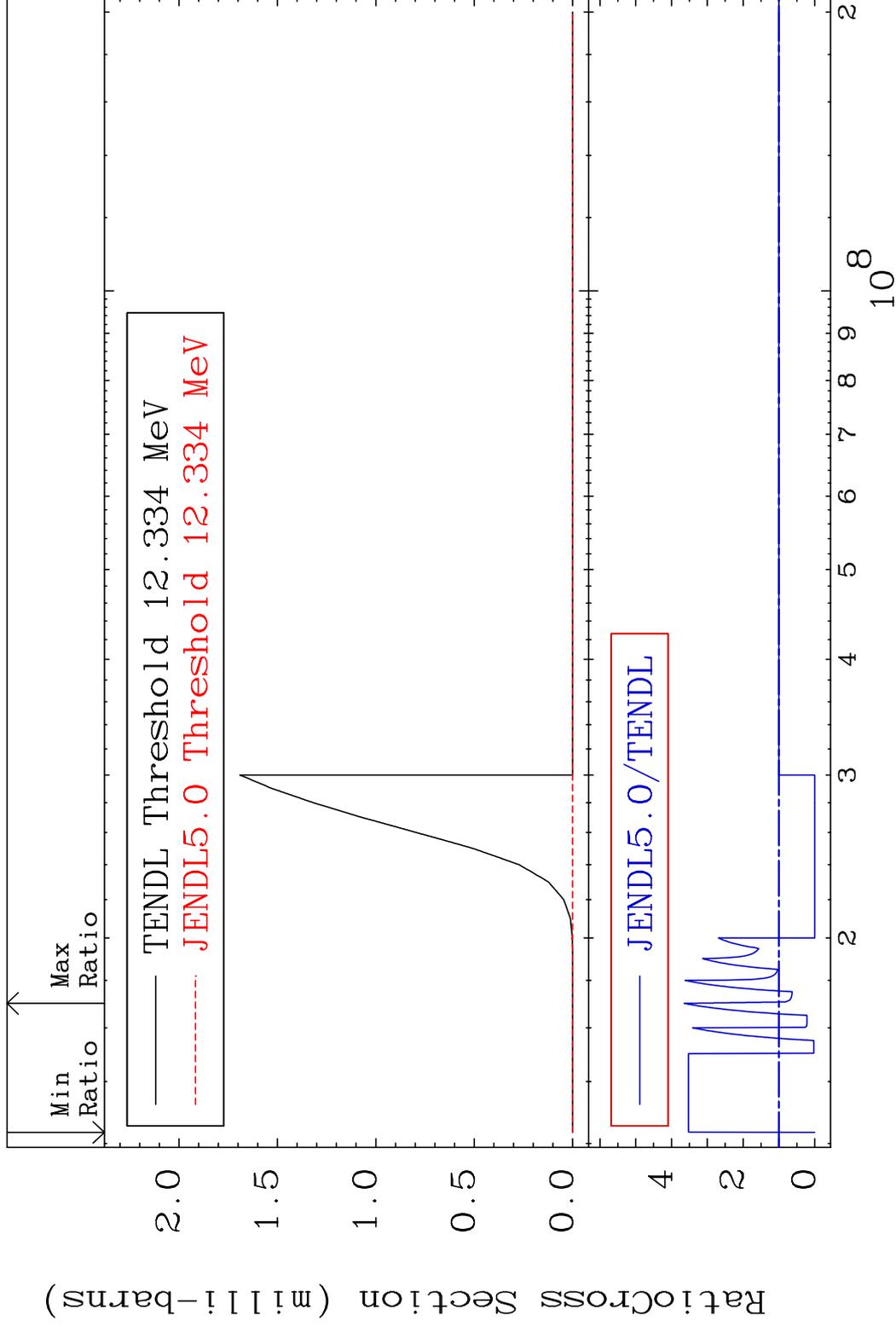
42-Mo-93

MAT 4228

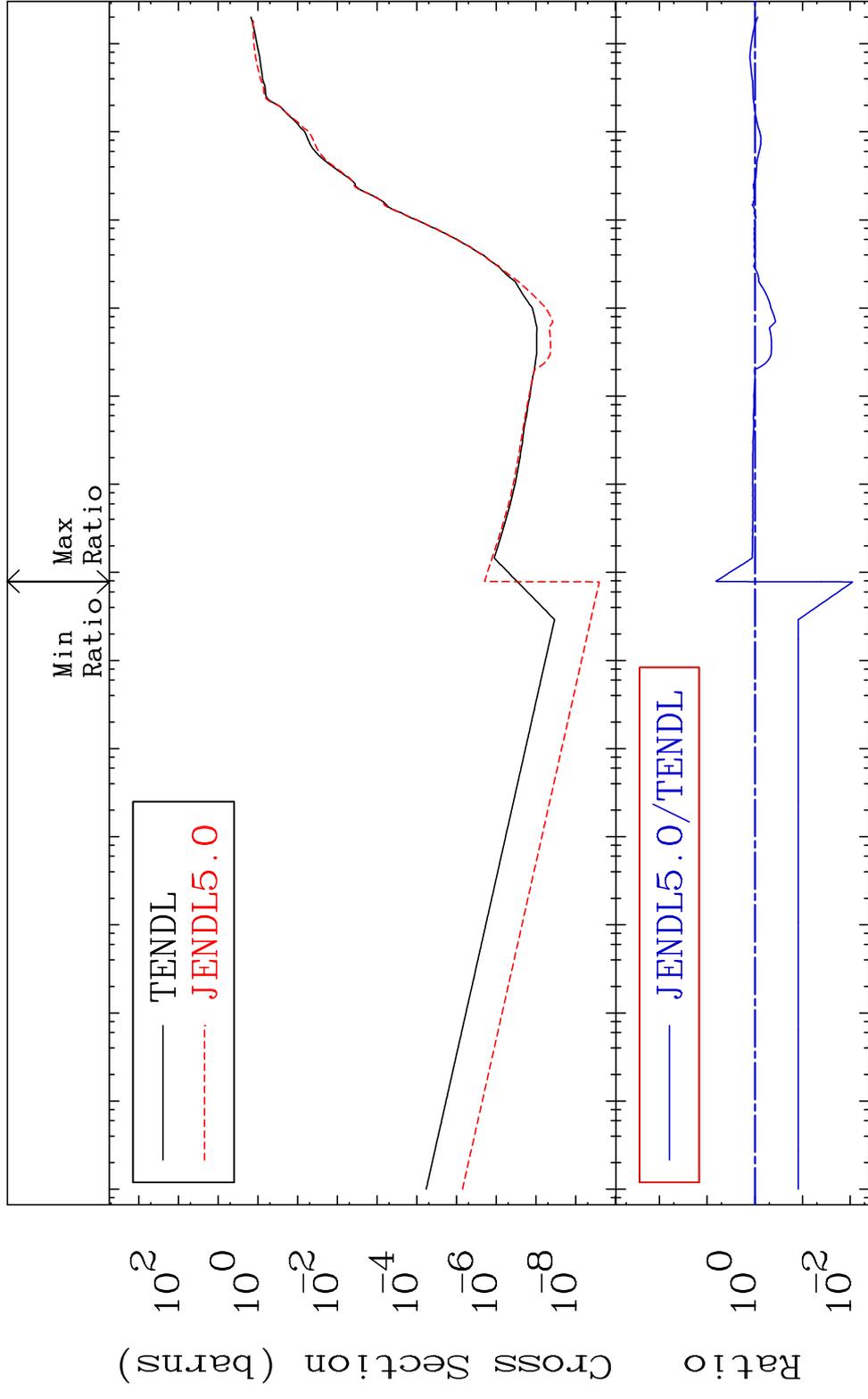
(n,p) t

42-Mo-93

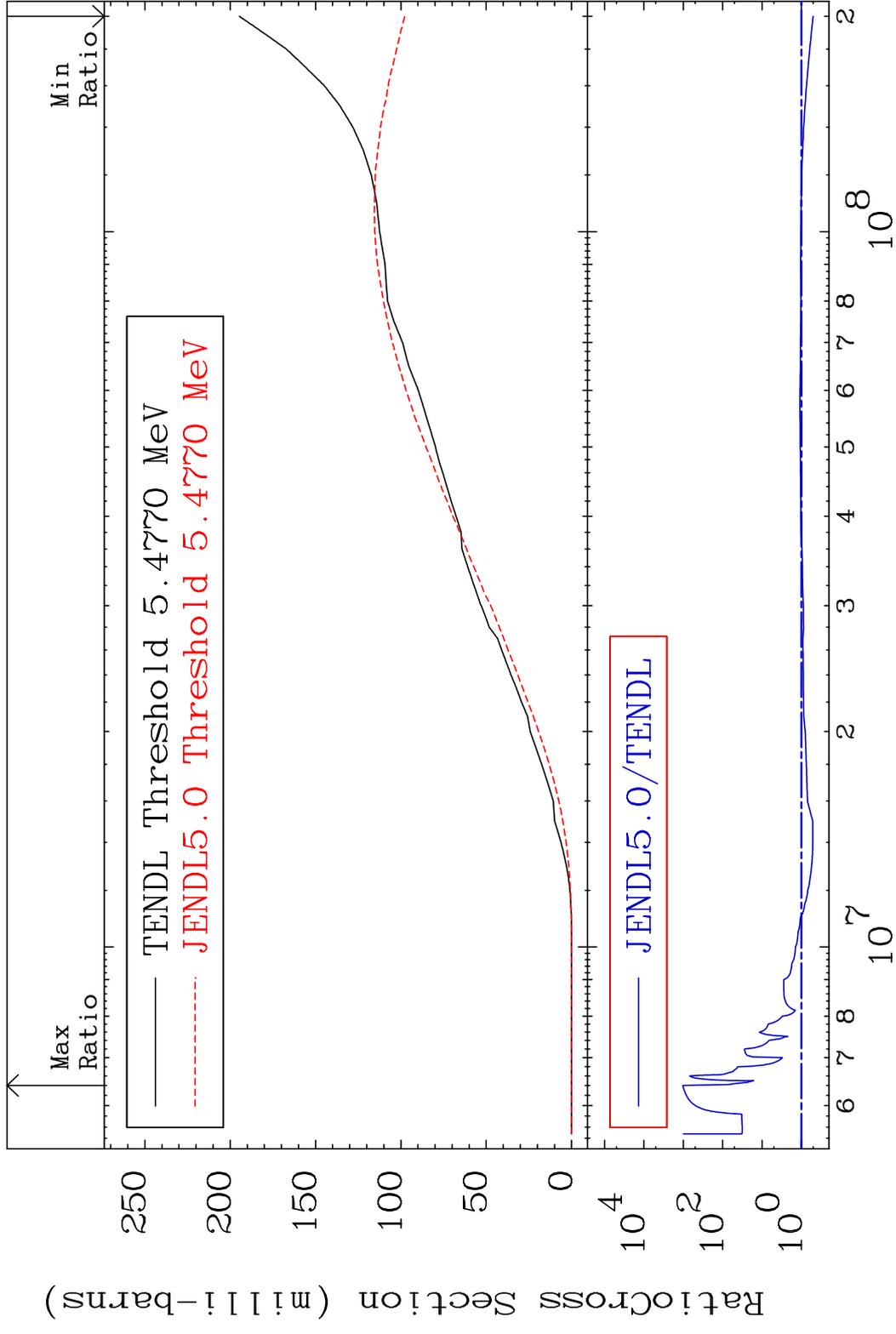
Cross Section -100.0 To 264.7 %



MAT 4228 Hydrogen Production 42-Mo-93
 Cross Section -99.11 To 556.6 %

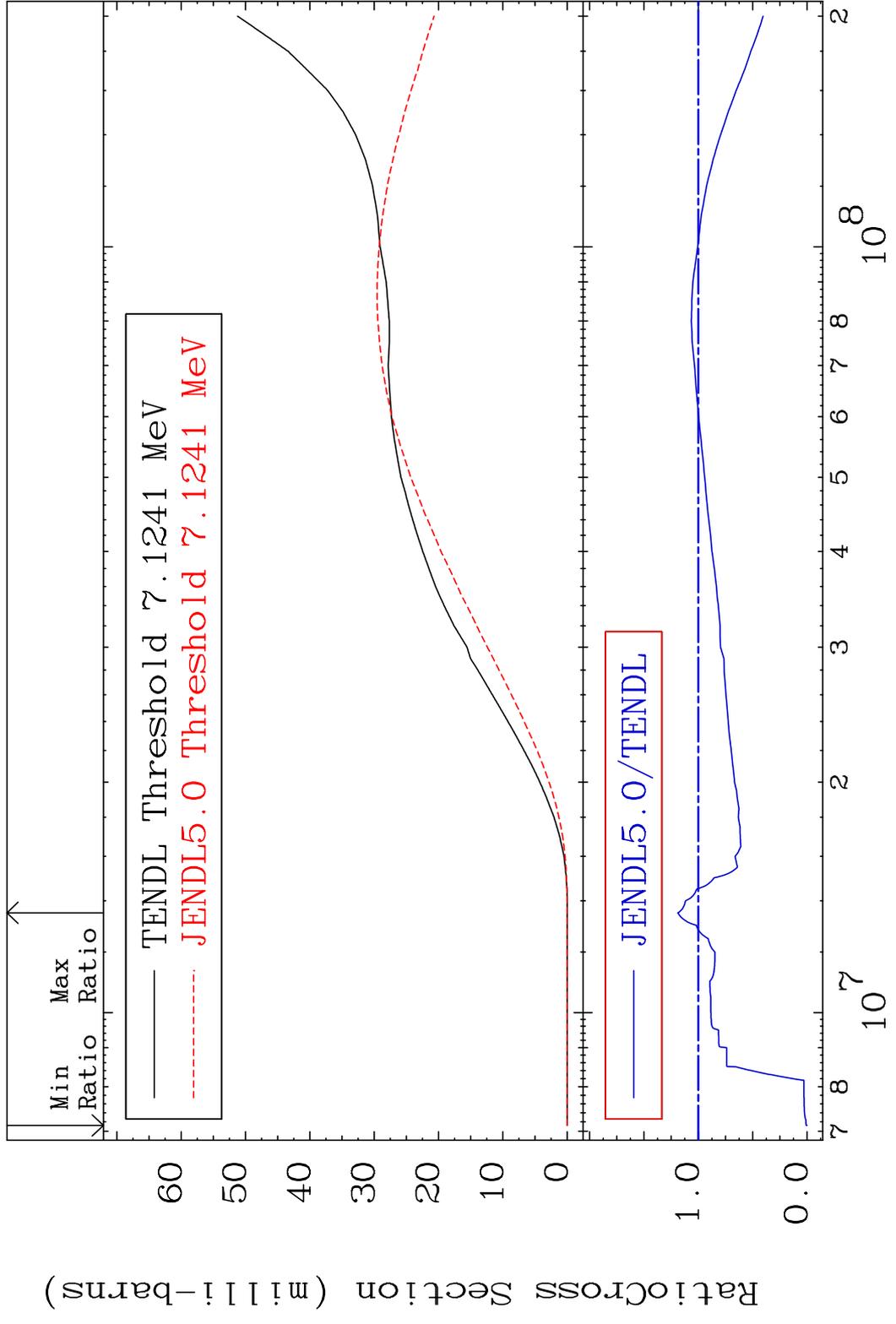


Cross Section -49.78 To 9999. %



MAT 4228

Tritium Production 42-Mo-93
Cross Section -100.0 To 18.96 %



54

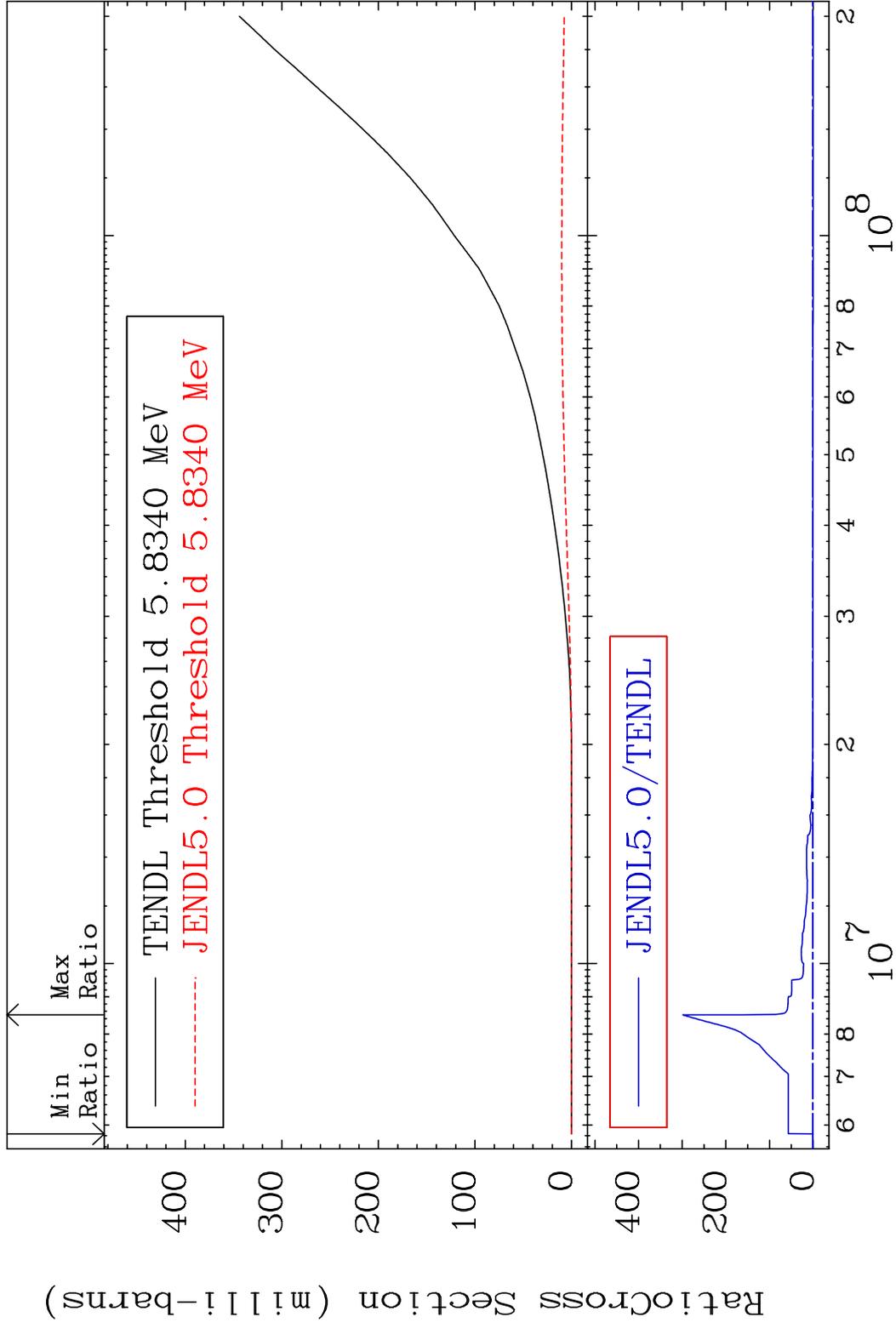
Incident Energy (eV) 42-Mo-93

MAT 4228

He-3 Production

42-Mo-93

Cross Section -100.0 To 9999. %



55

Incident Energy (eV)

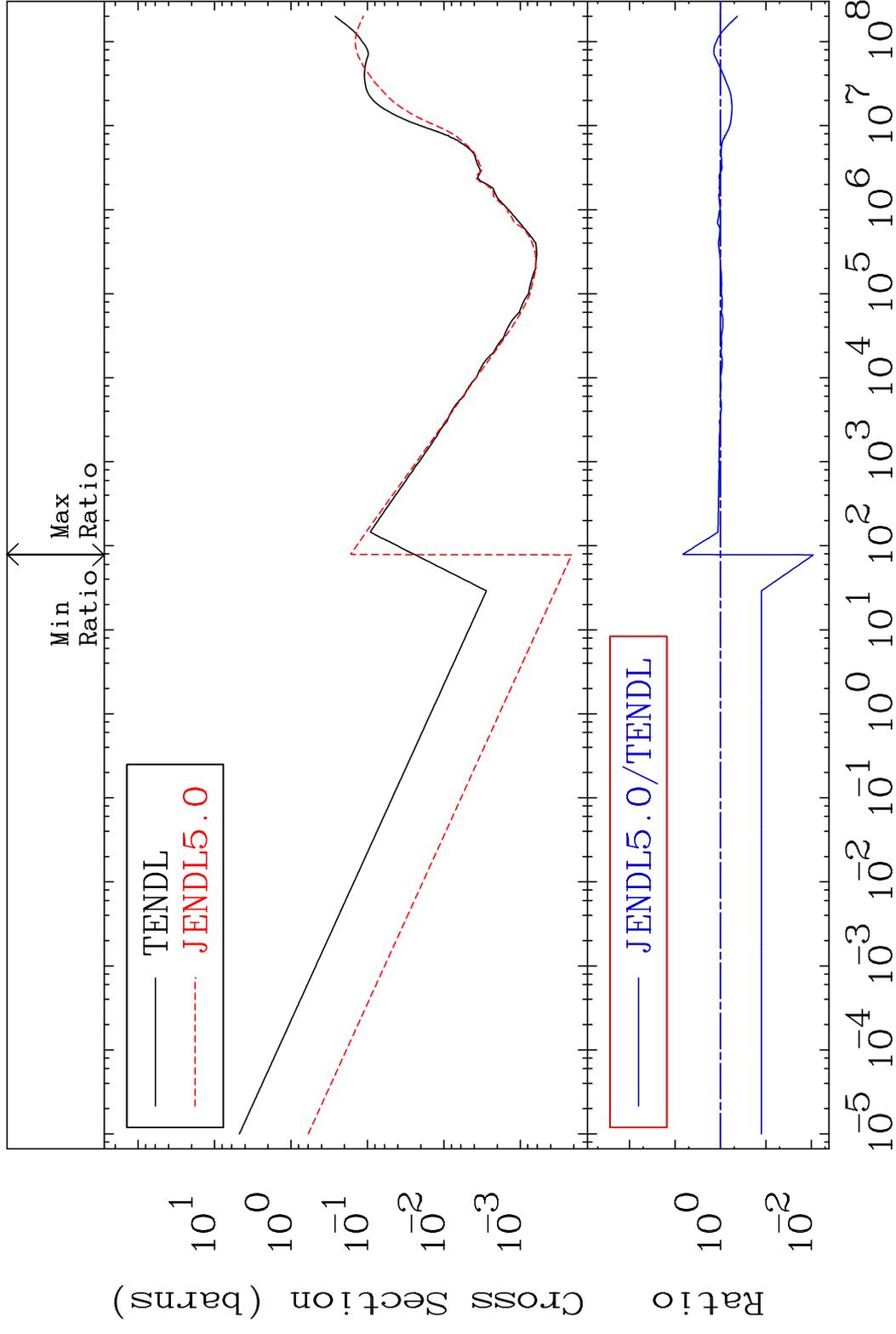
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section -99.08 To 573.0 %



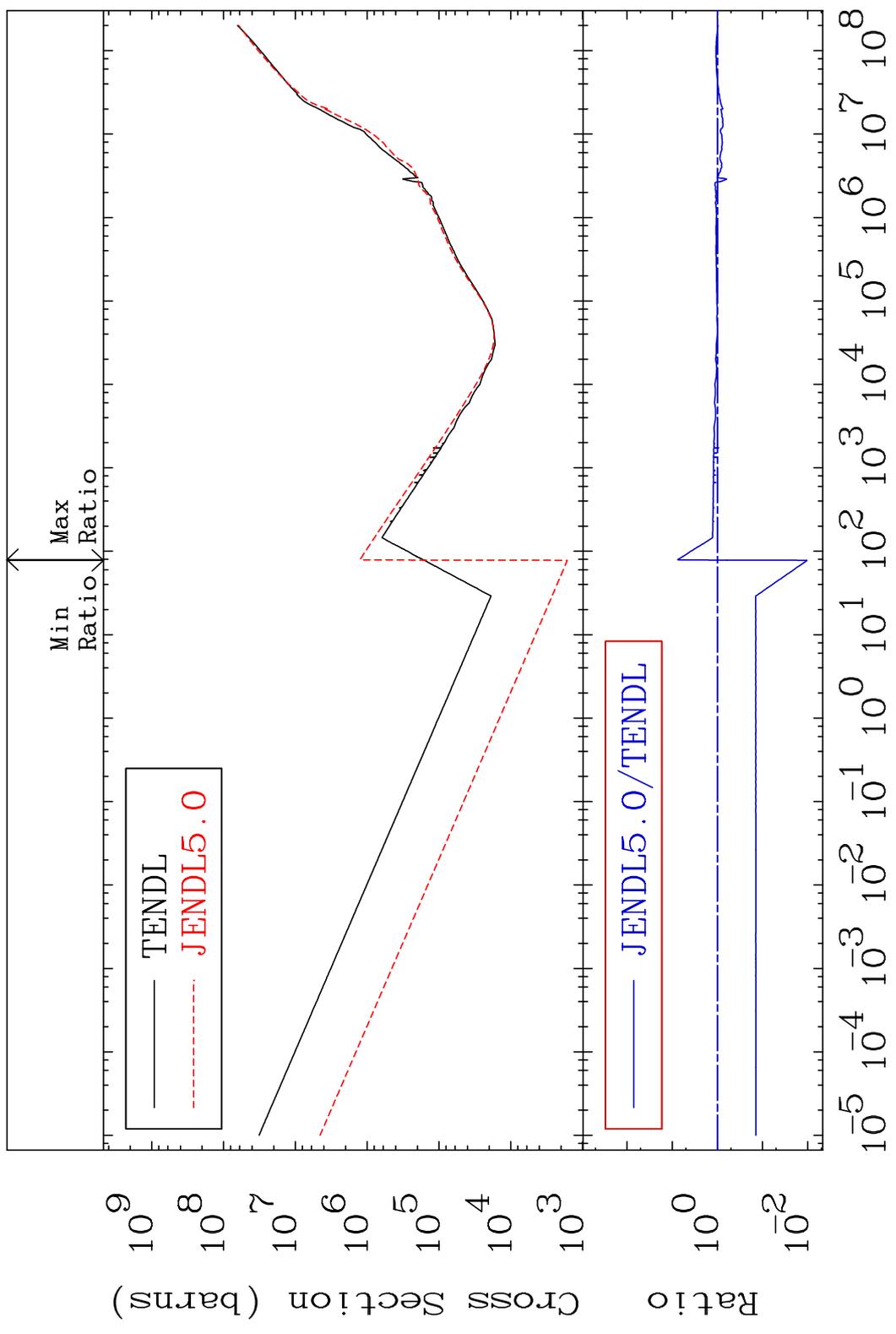
56

Incident Energy (eV)

42-Mo-93

MAT 4228

Kerma total (eV-barns) 42-Mo-93
Cross Section -98.97 To 655.1 %



57

Incident Energy (eV)

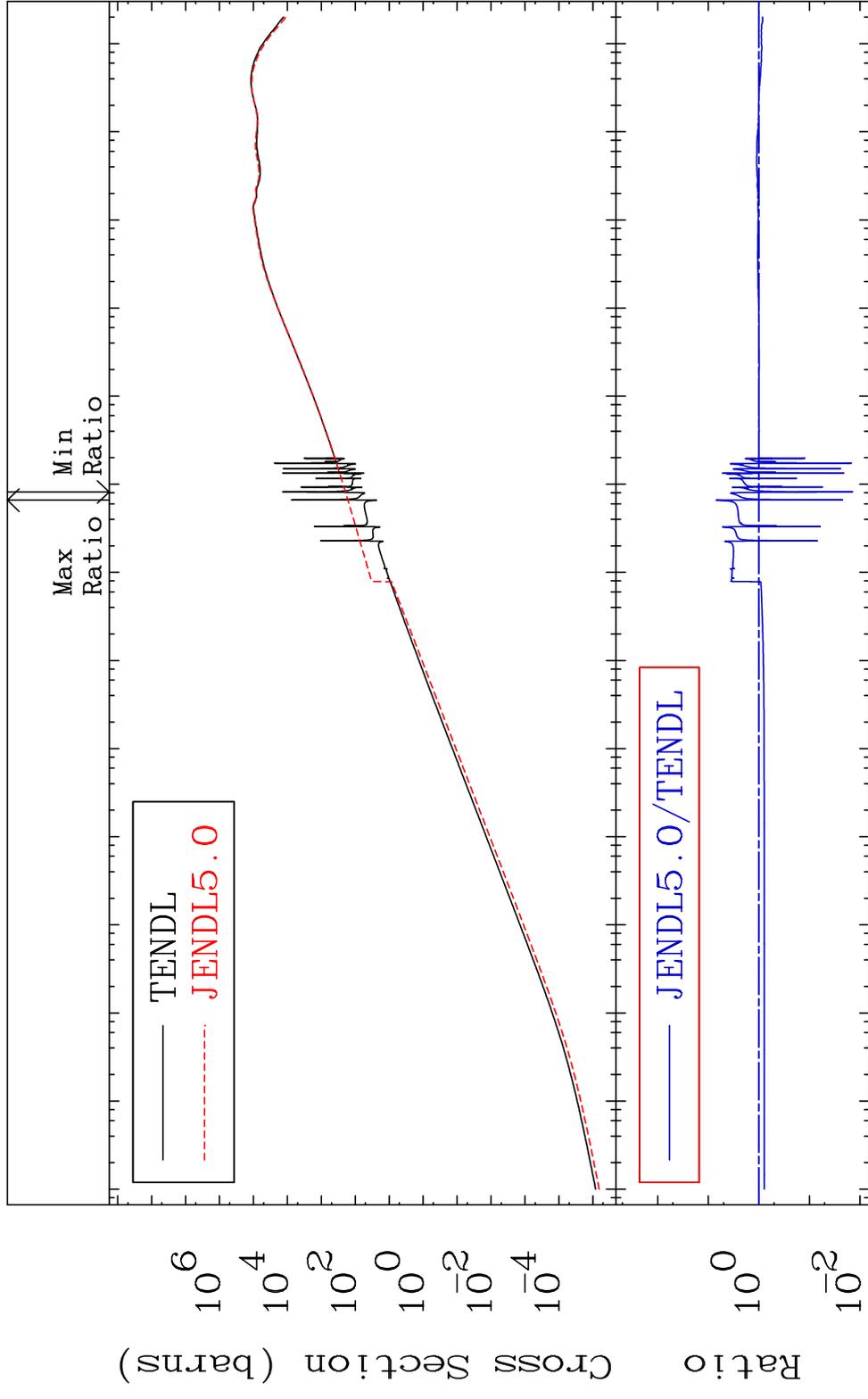
42-Mo-93

MAT 4228

Kerma elastic

42-Mo-93

Cross Section -98.59 To 606.4 %

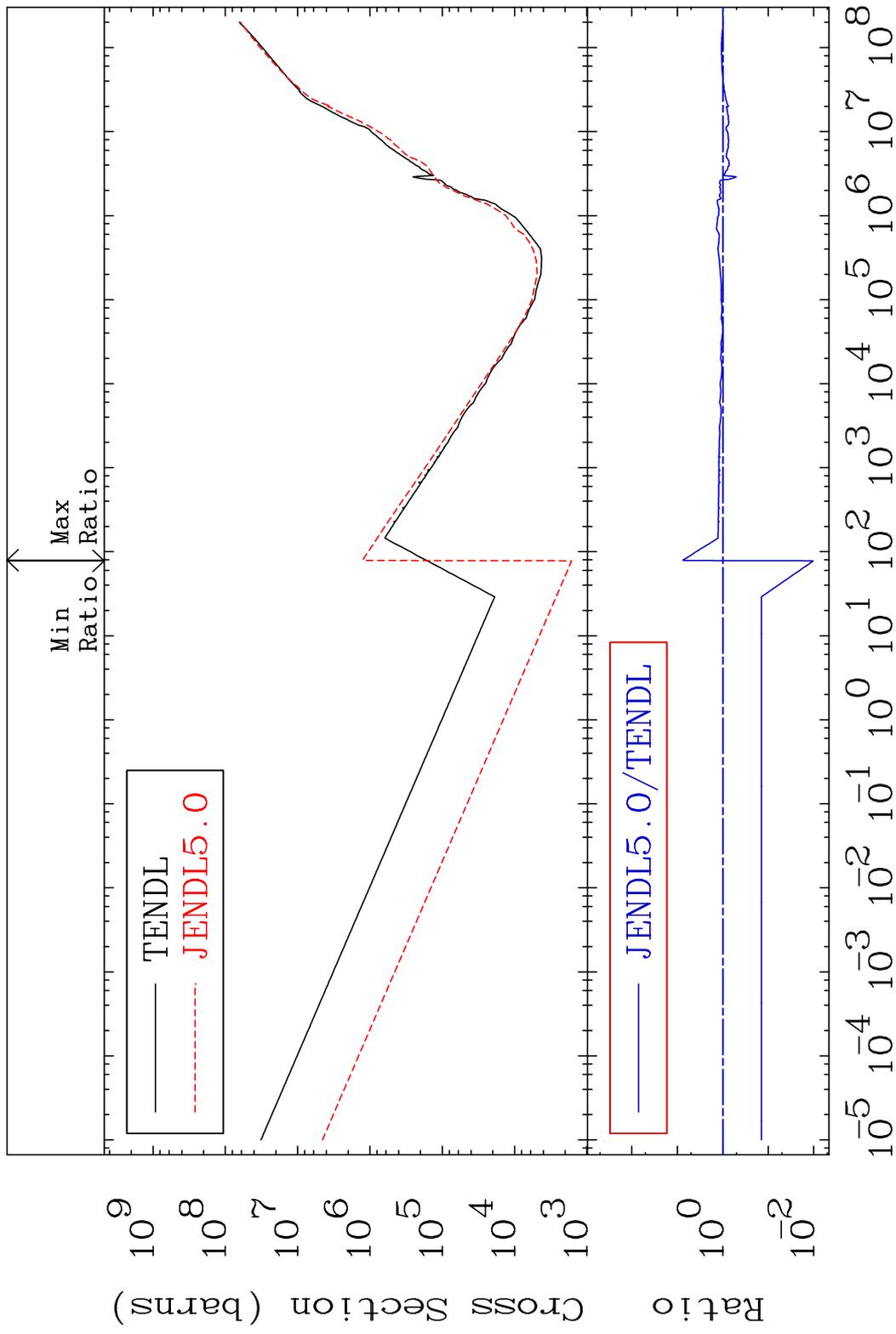


58

Incident Energy (eV)

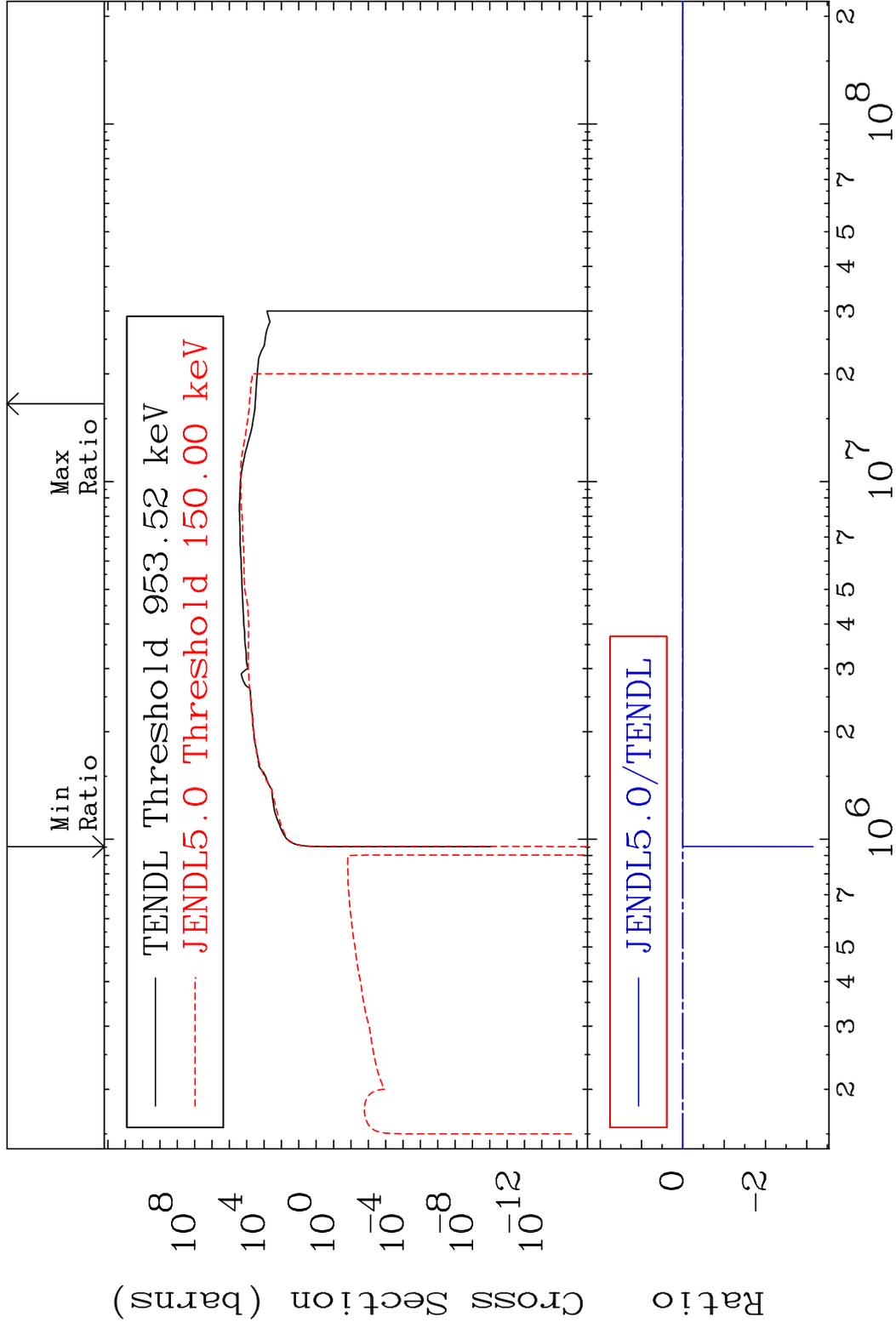
42-Mo-93

MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93
 Cross Section -98.97 To 655.1 %



MAT 4228

Kerma inelastic (mt51-91) 42-Mo-93
Cross Section -9999. To 118.3 %

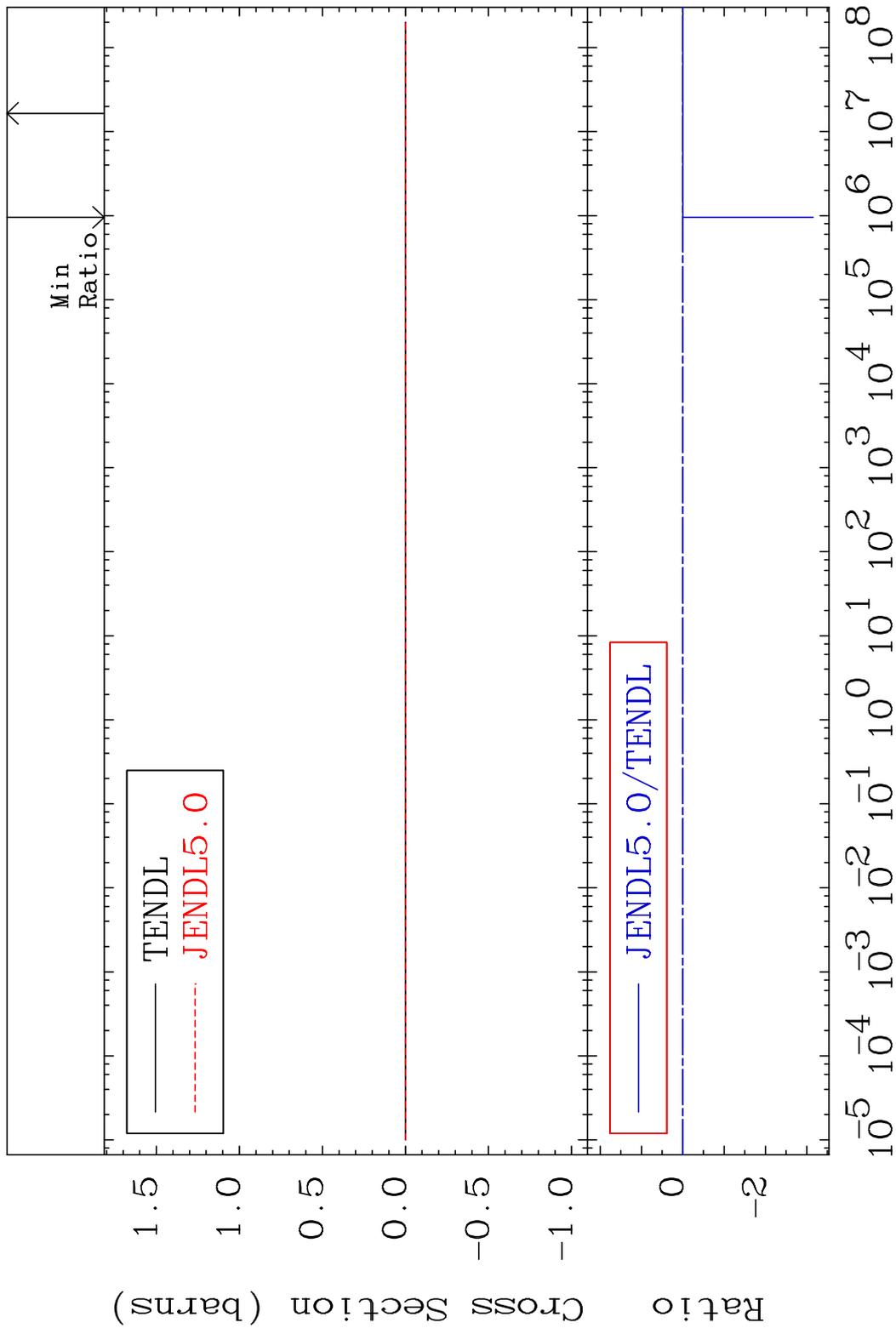


60

Incident Energy (eV)

42-Mo-93

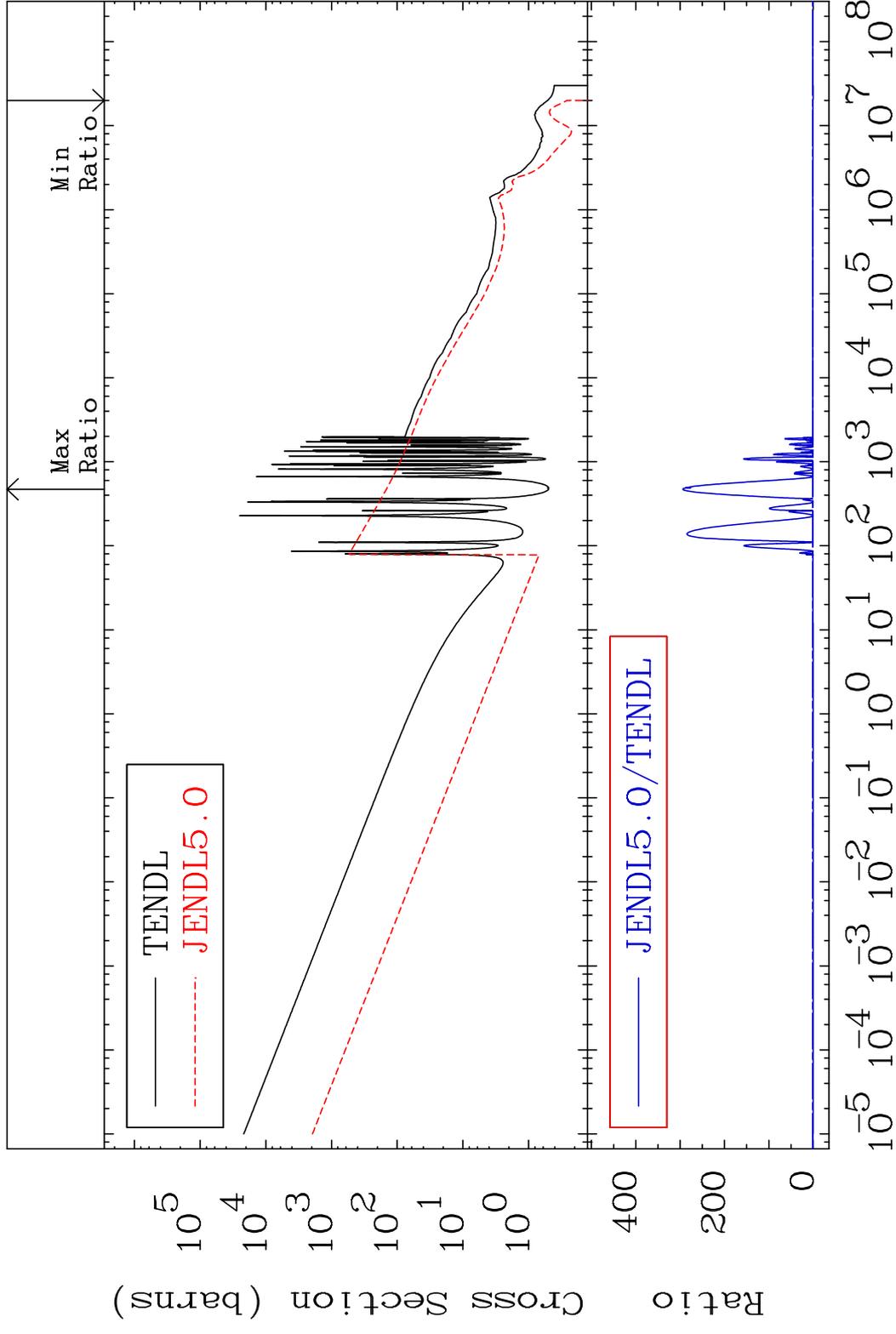
MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93
 Cross Section -9999. To 118.3 %



MAT 4228

Kerma capture (mt102) 42-Mo-93

Cross Section -100.0 To 9999. %

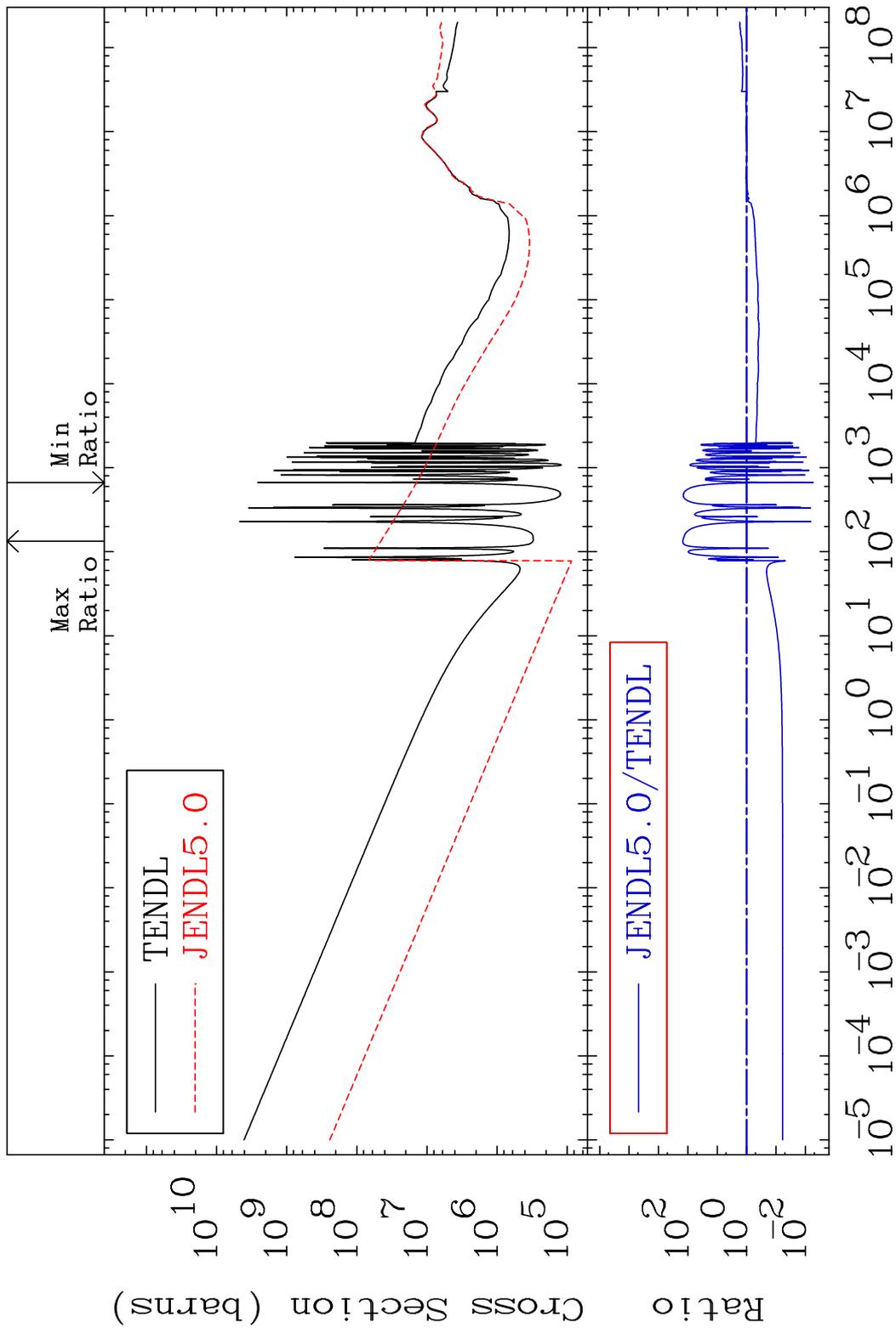


62

Incident Energy (eV)

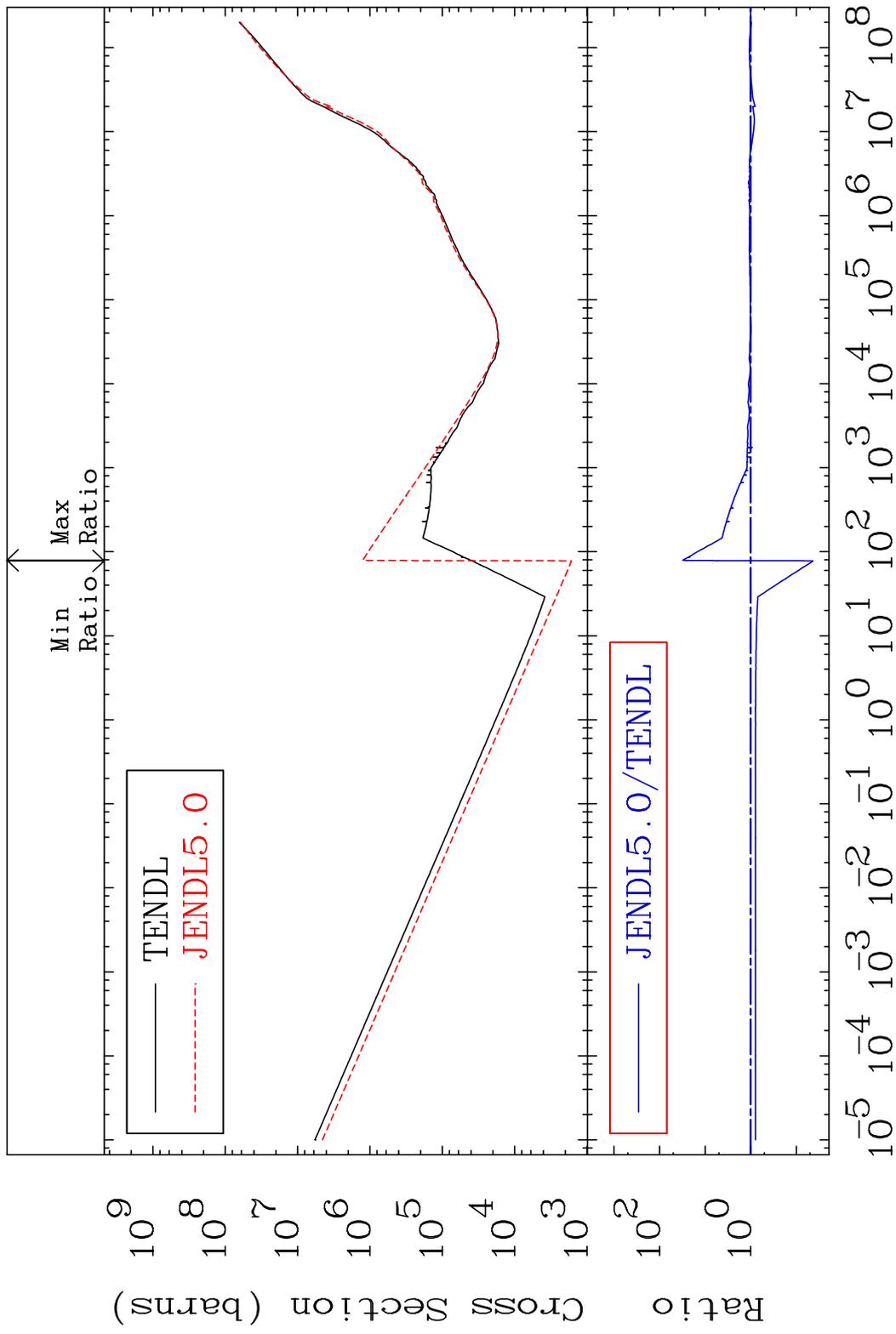
42-Mo-93

MAT 4228 Total photon (eV-barns) 42-Mo-93
 Cross Section -99.46 To 9999. %

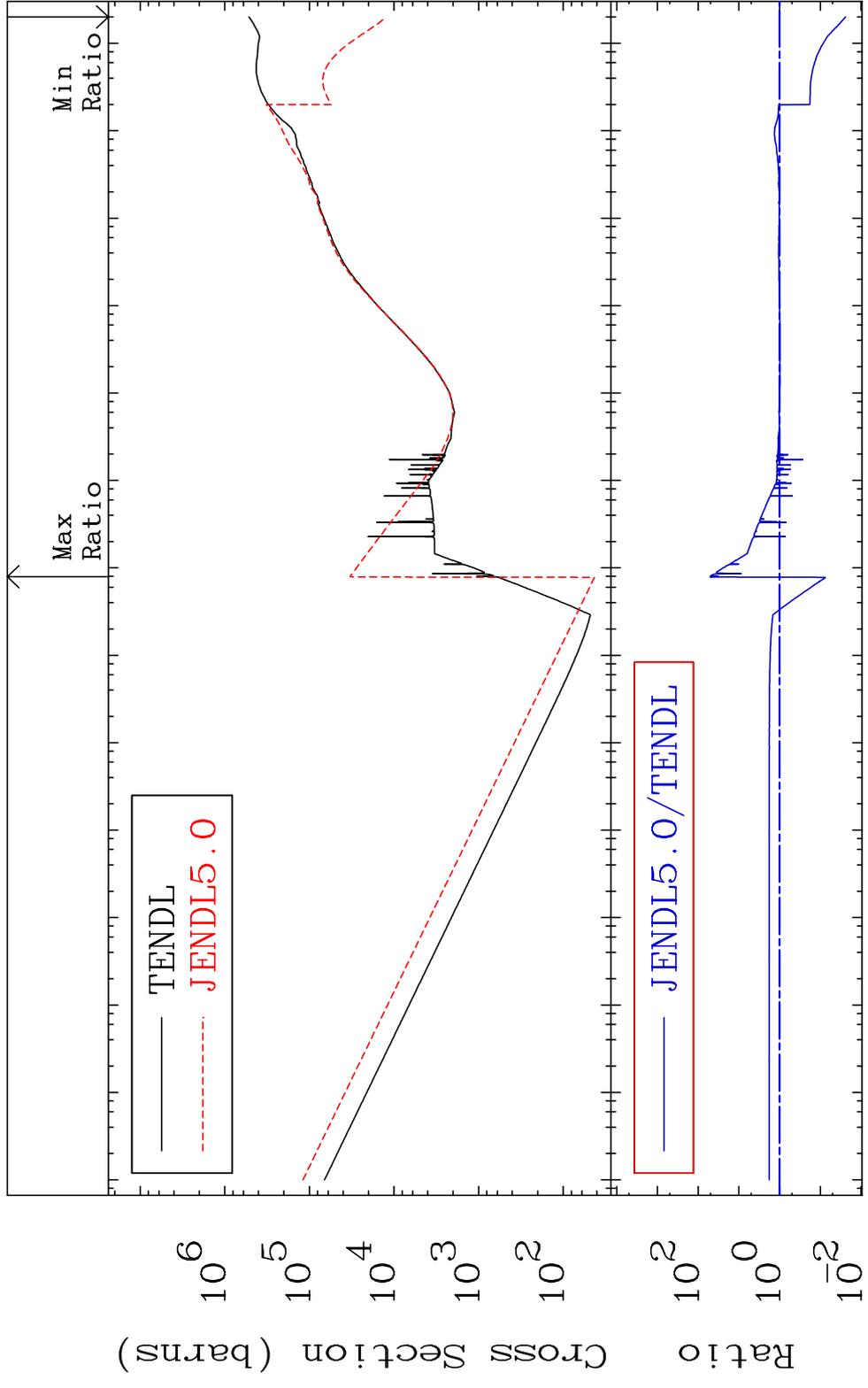


63 Incident Energy (eV) 42-Mo-93

MAT 4228 Total kinematic kerma (high limit) 42-Mo-93
 Cross Section -95.74 To 2991. %



MAT 4228 Dpa total (eV-barns) 42-Mo-93
 Cross Section -97.60 To 5015. %

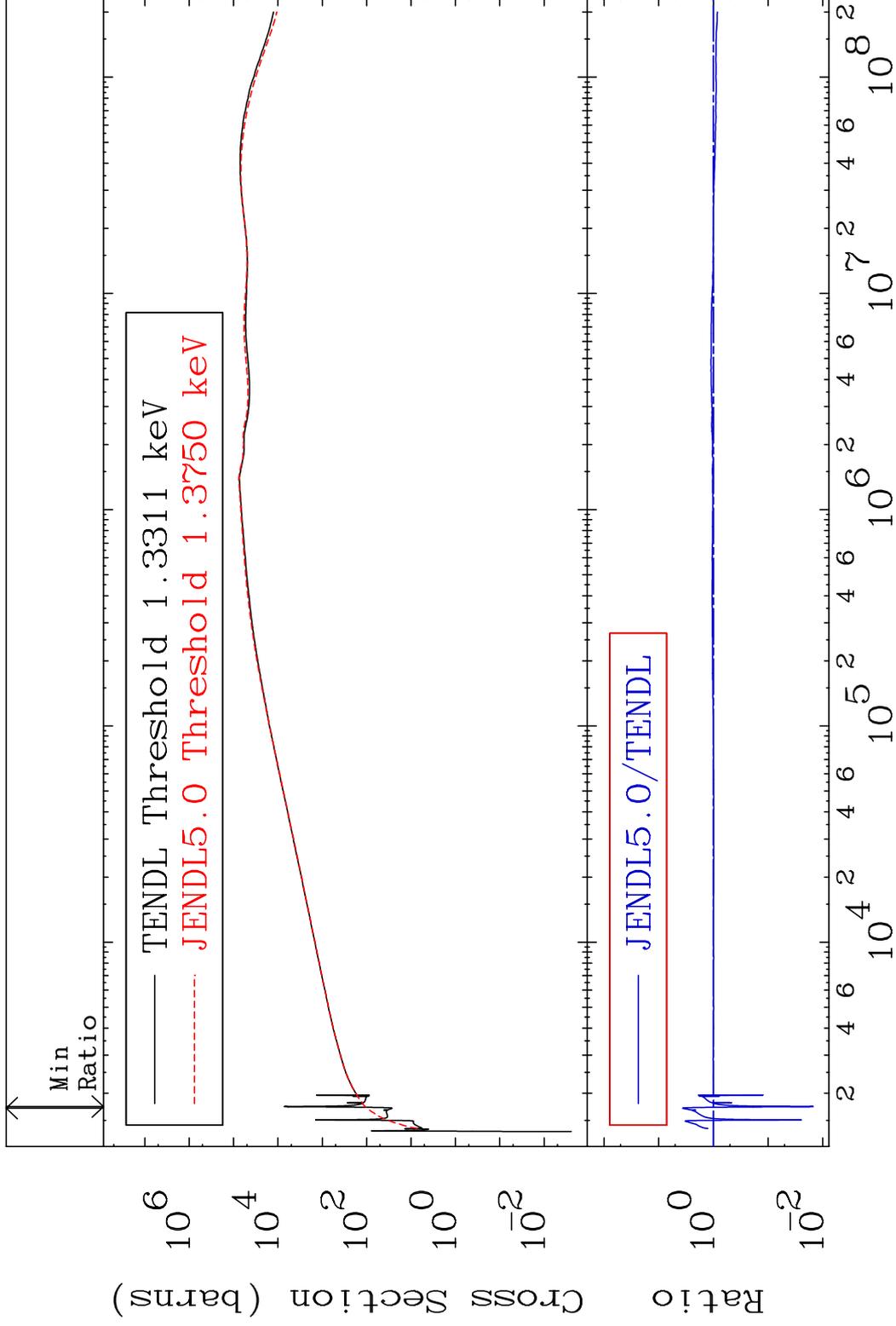


MAT 4228

Dpa elastic (mt2)

42-Mo-93

Cross Section -98.50 To 265.9 %

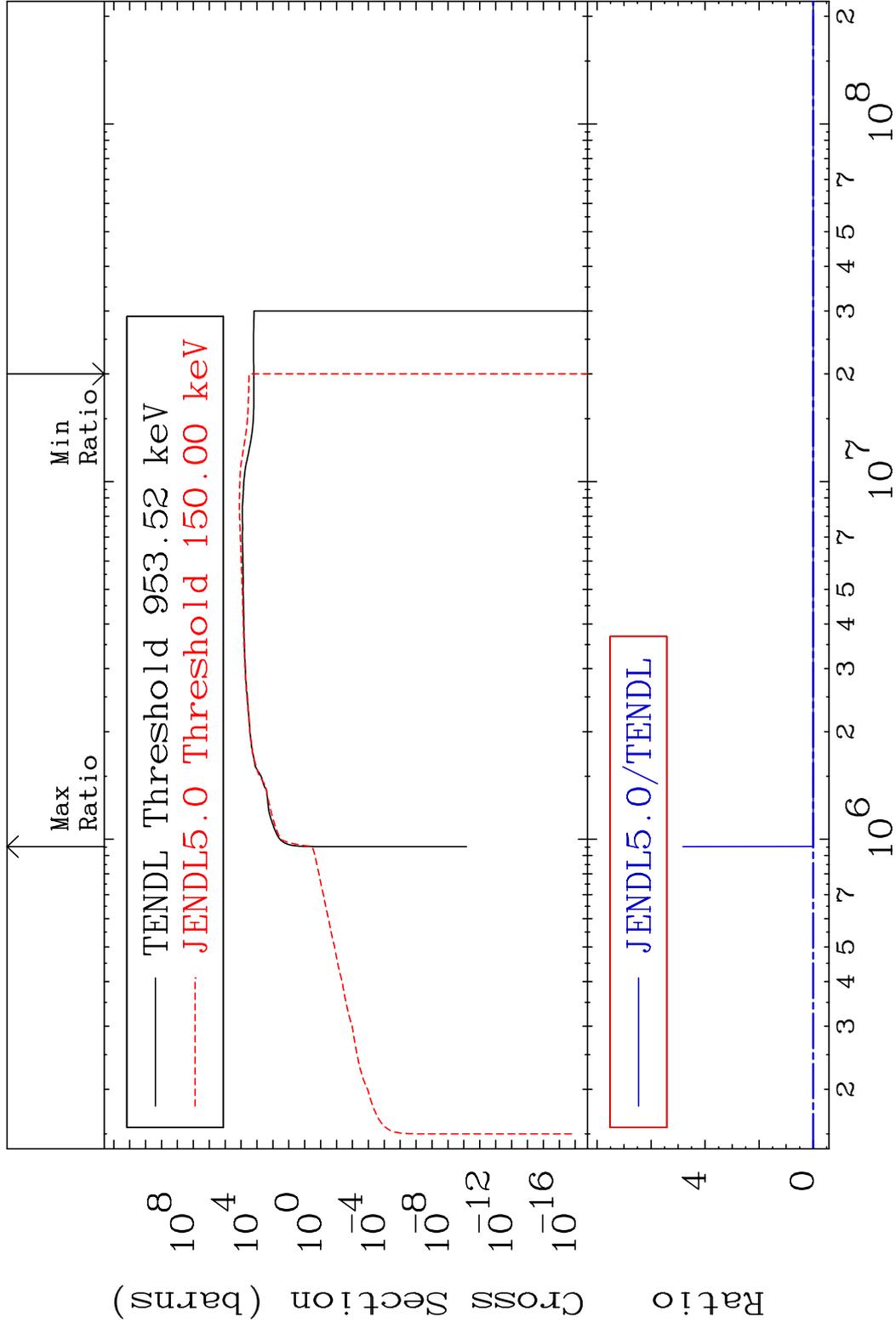


66

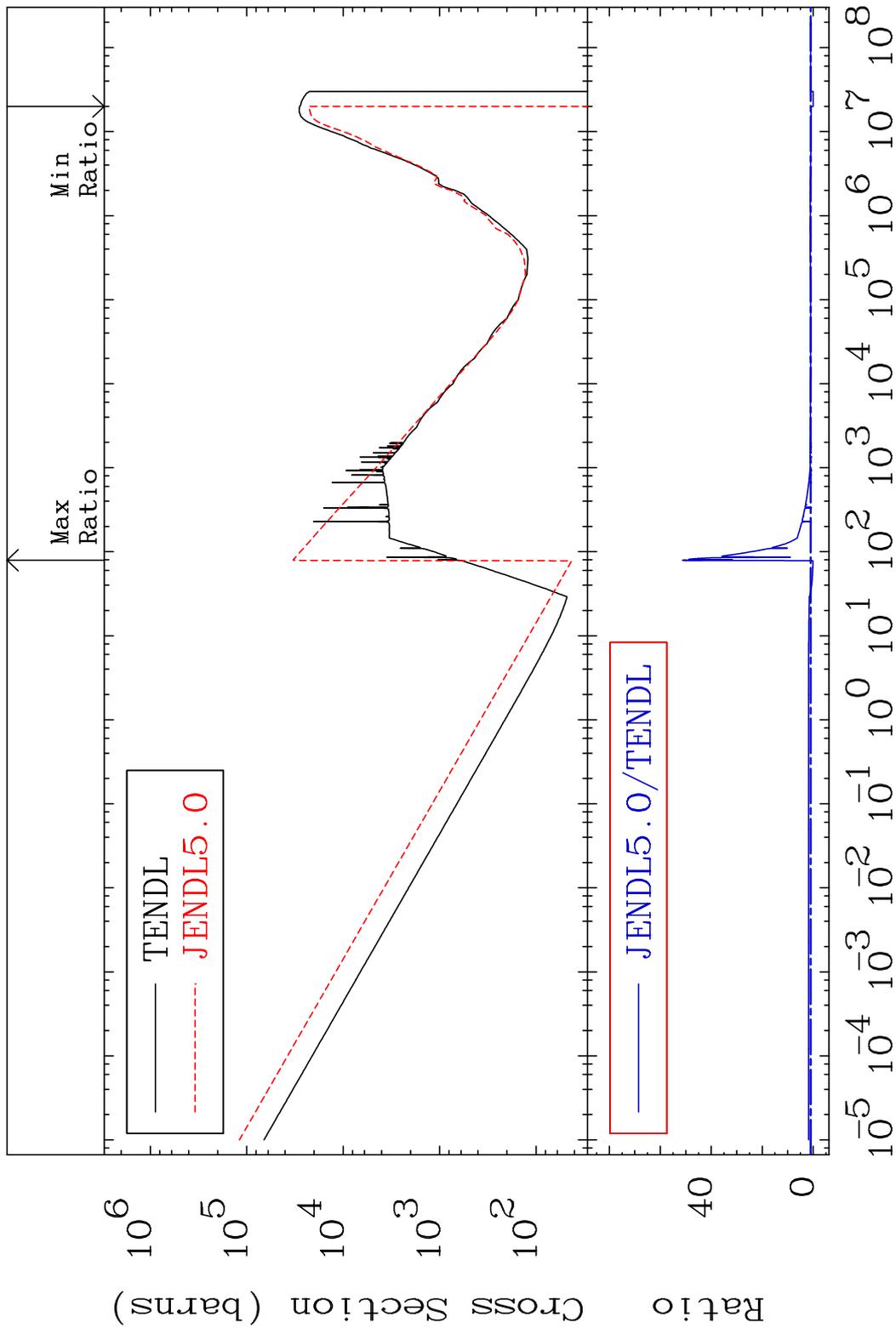
Incident Energy (eV)

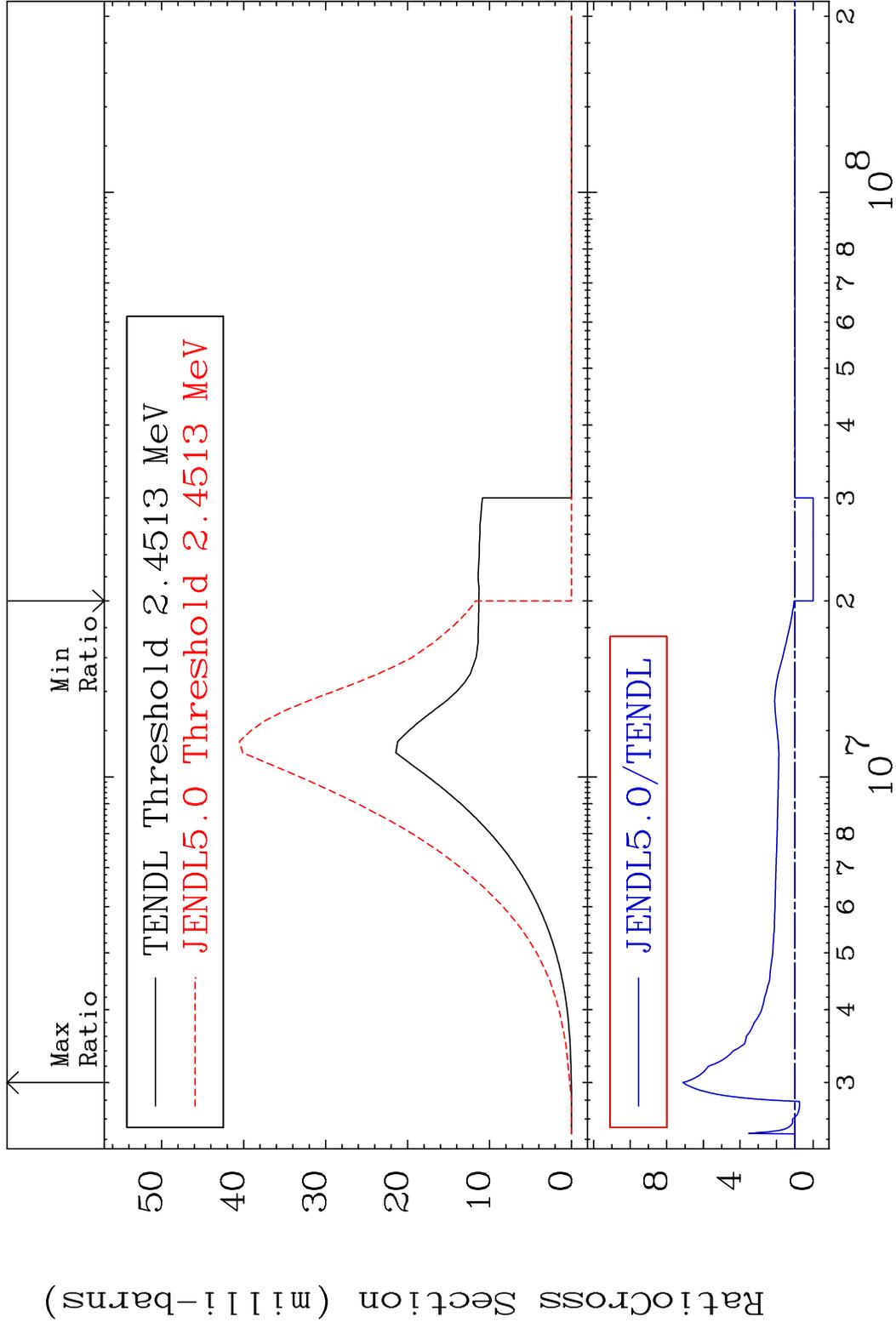
42-Mo-93

MAT 4228 Dpa inelastic (mt51-91) 42-Mo-93
 Cross Section -100.0 To 9999. %

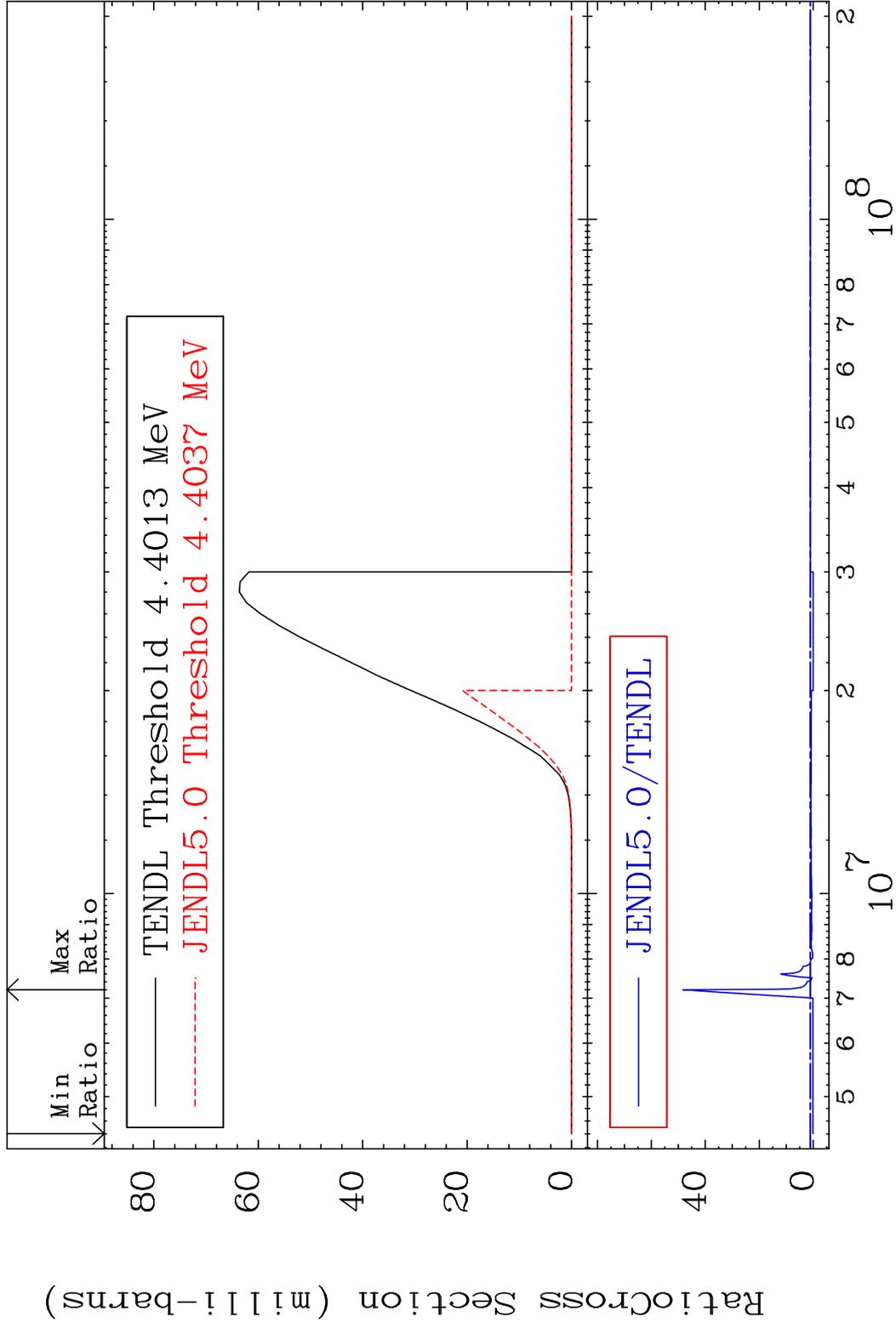


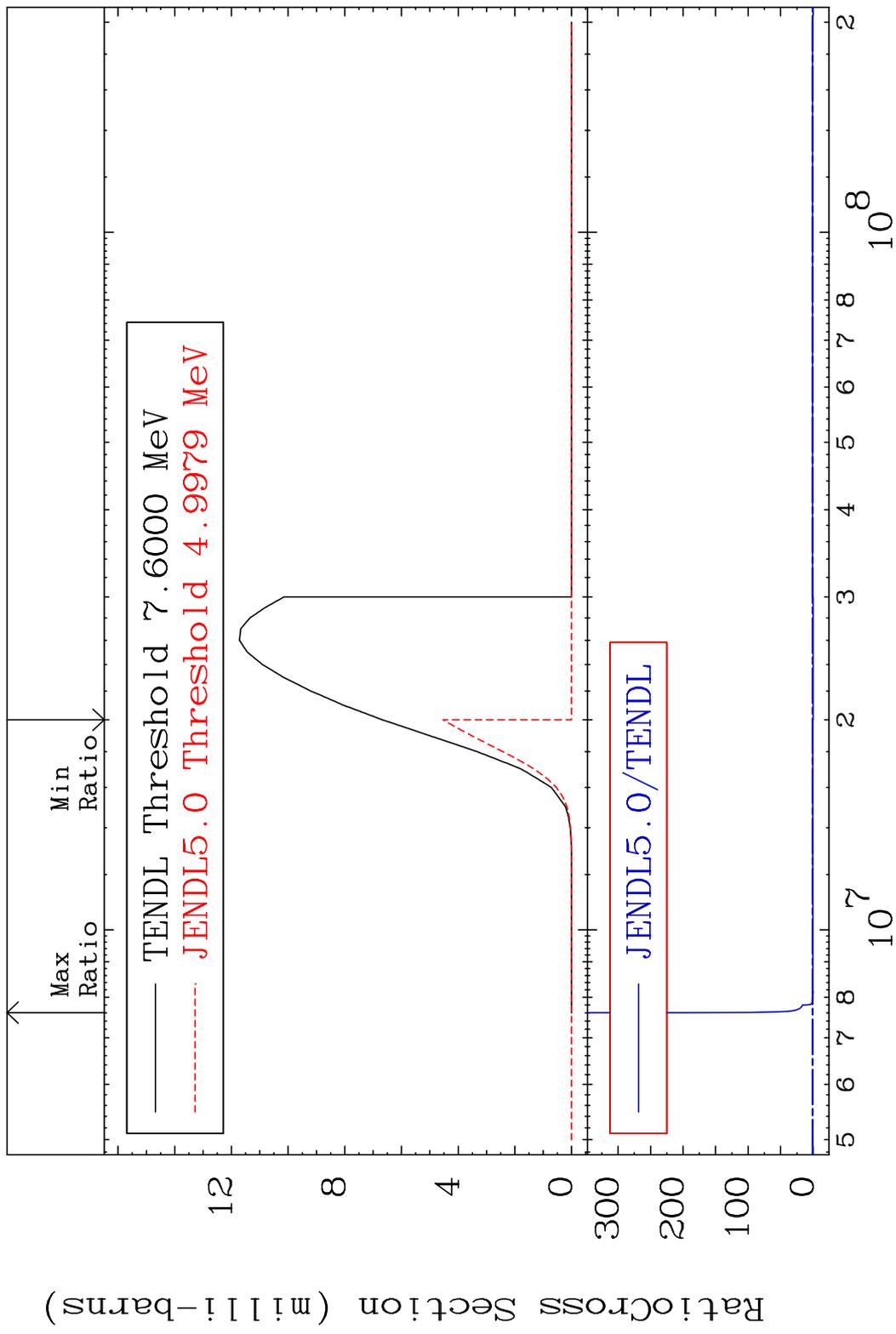
MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93
 Cross Section -100.0 To 5015. %



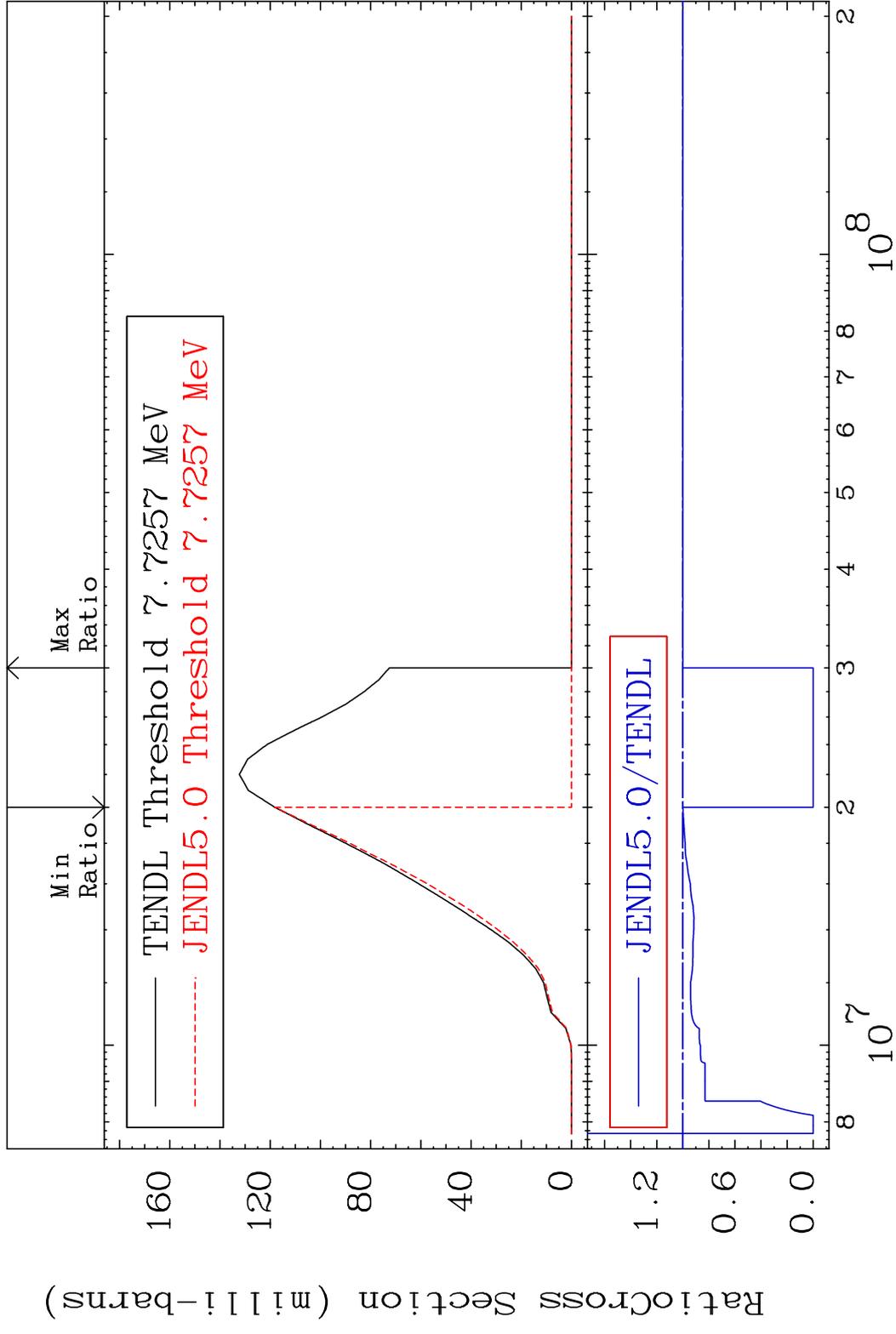


MAT 4228 (n, n') α : 40-Zr-89g 42-Mo-93
 Radionuclide Production Cross Section 1800 d to 4734. %



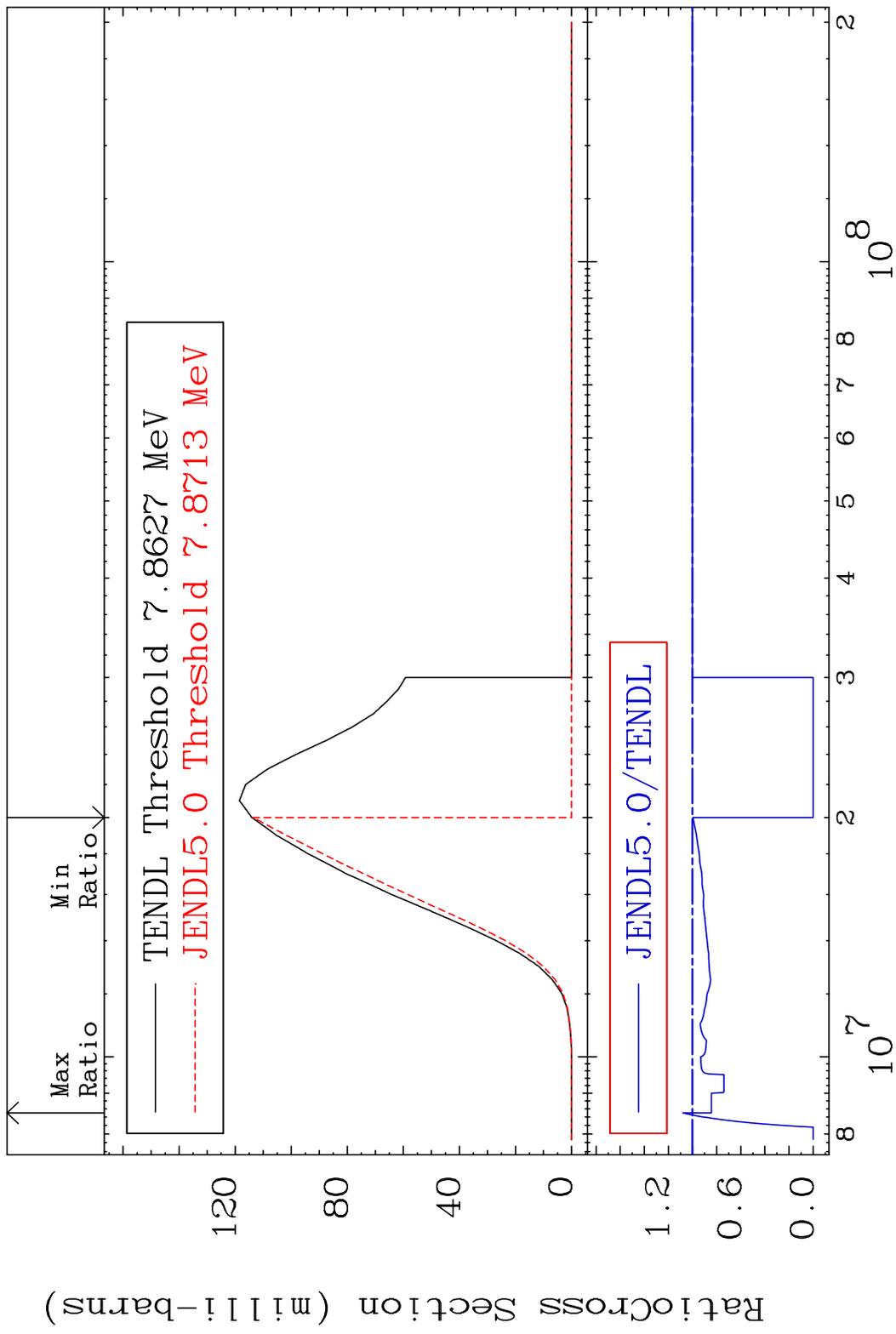


MAT 4228 (n, n') p:41-Nb-92g 42-Mo-93
 Radionuclide Production Cross Section Ratio 0.000 %

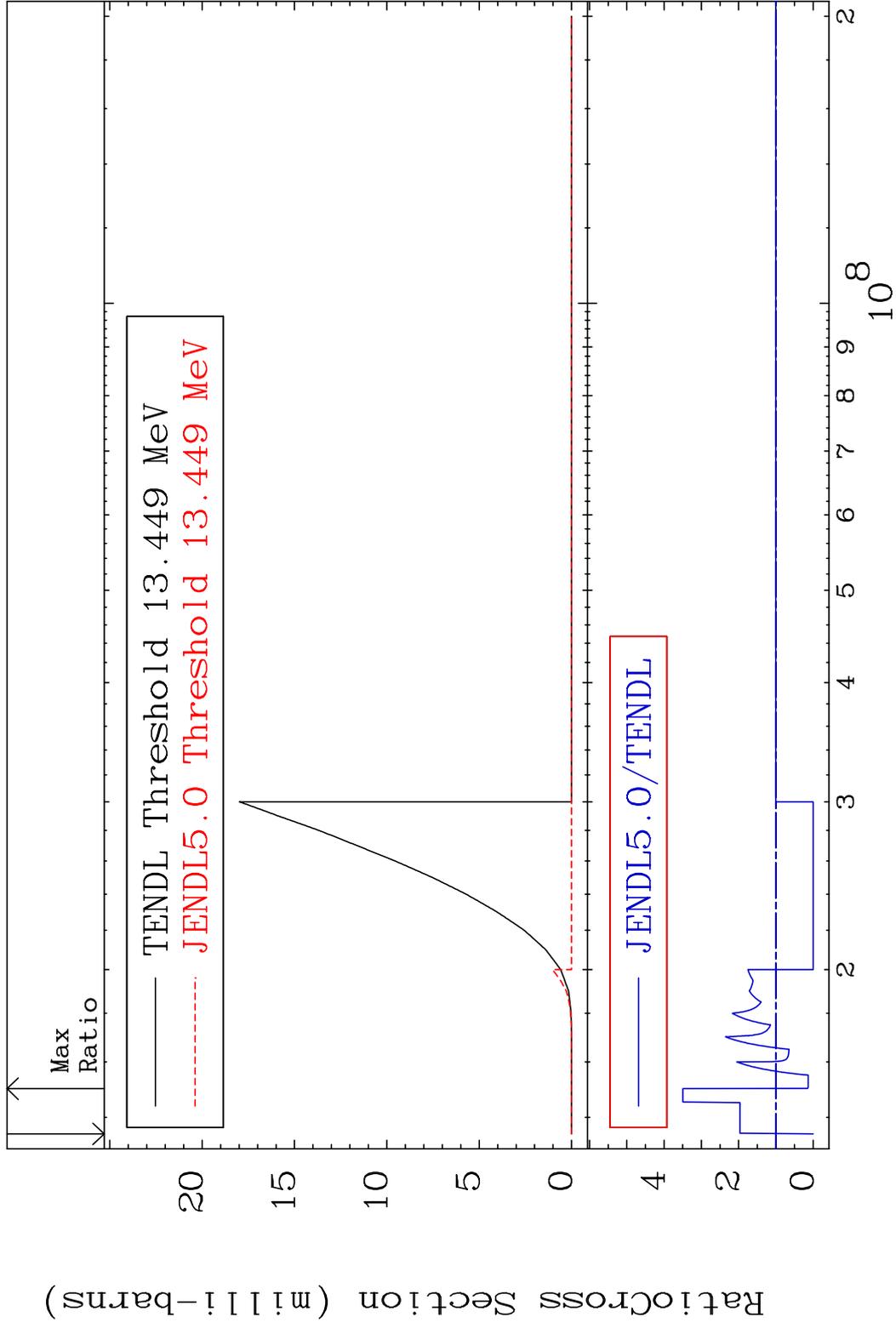


72 Incident Energy (eV) 42-Mo-93

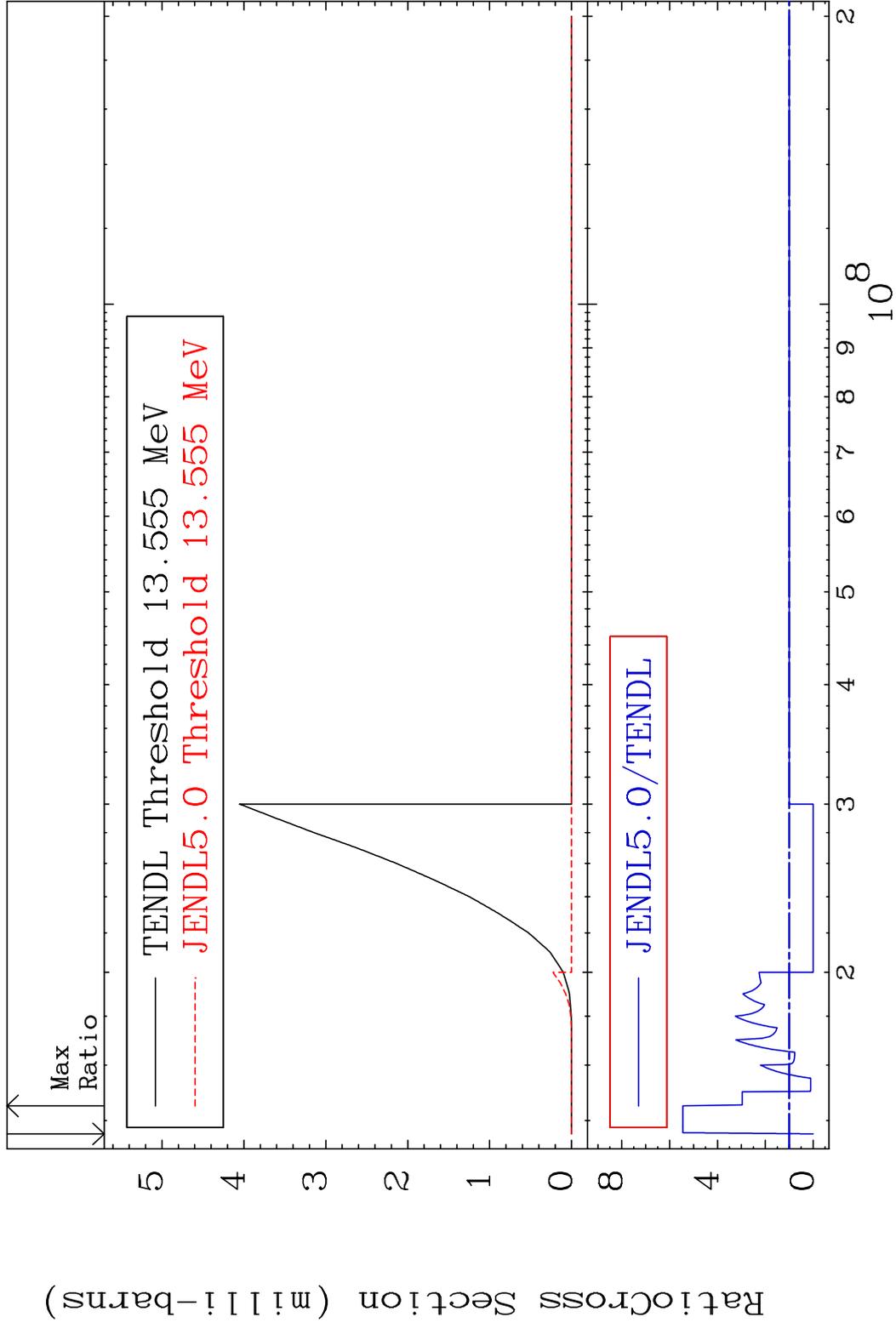
MAT 4228 (n, n') p:41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 180.0 mb 8.060 %

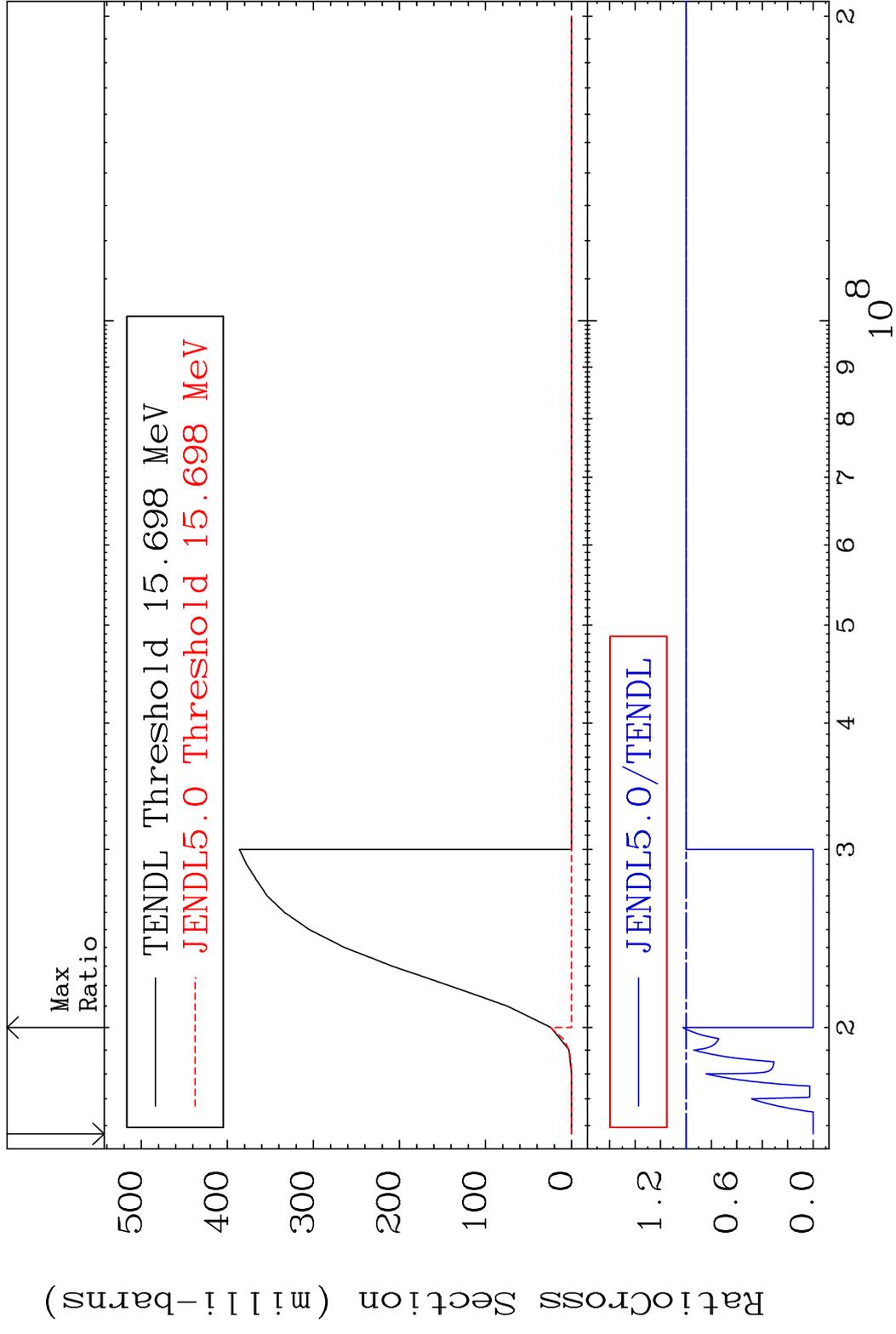


MAT 4228 (n, n') d:41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 180.01 dth 249.6 %

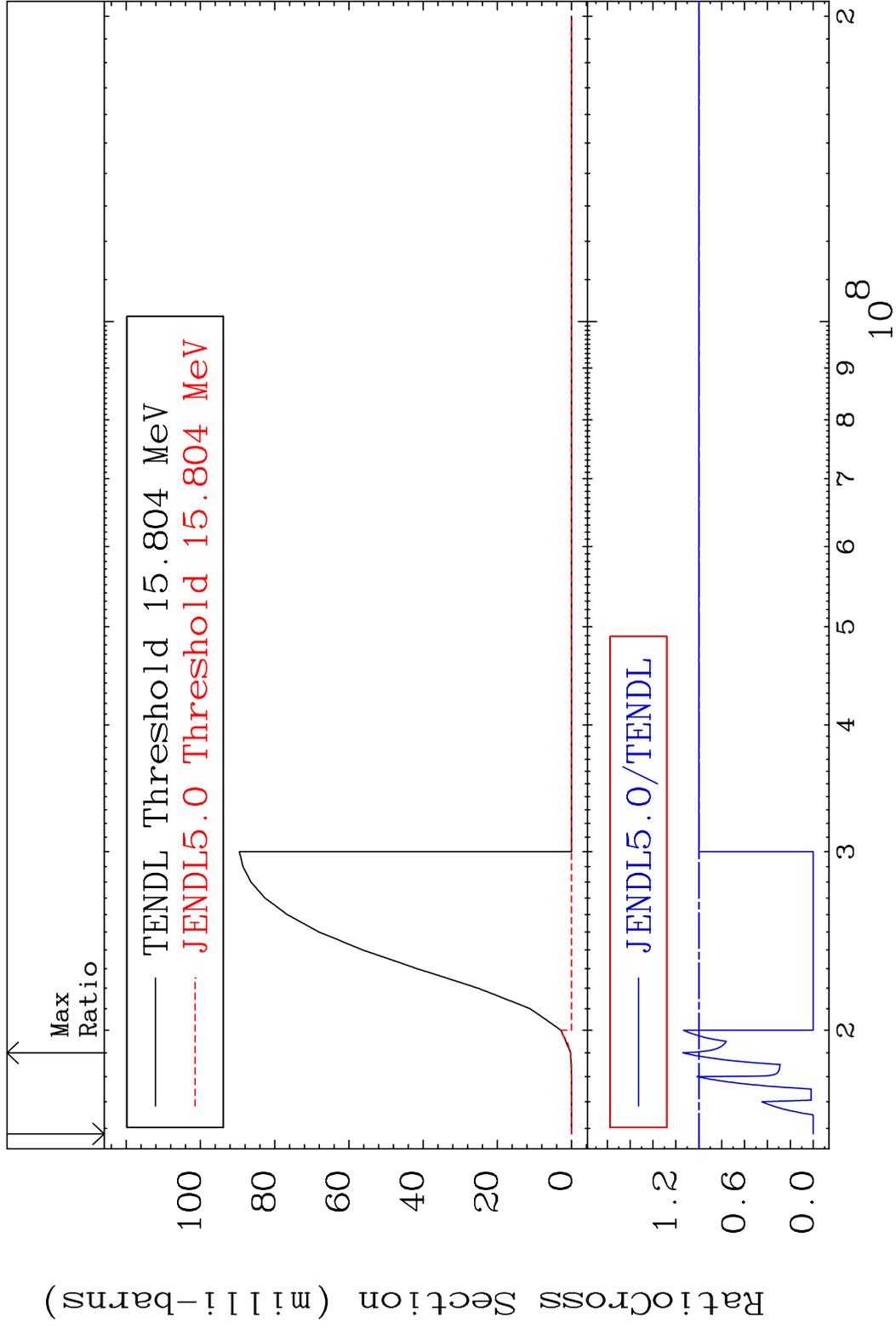


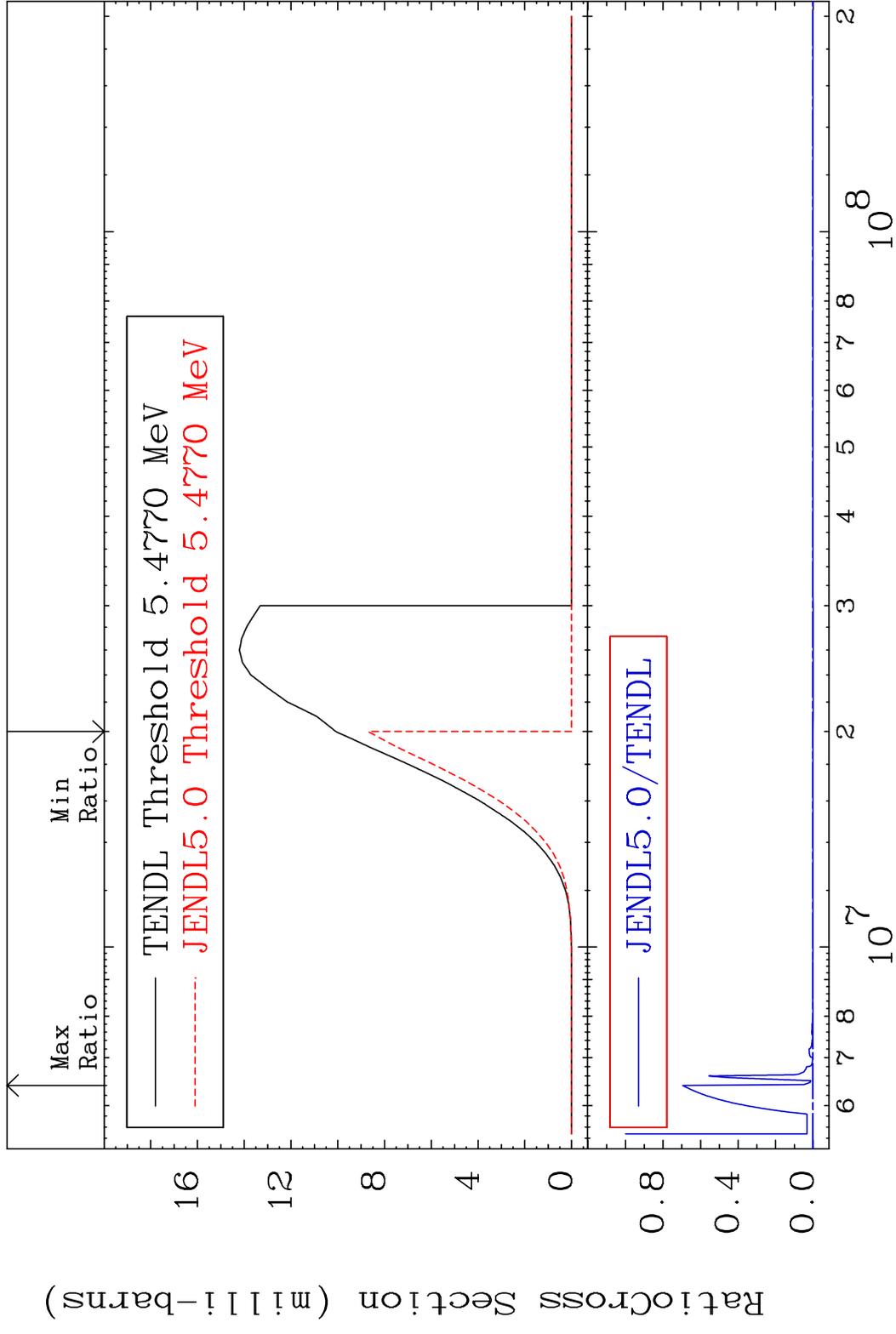
MAT 4228 (n, n') d:41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 100.0 dno 444.8 %



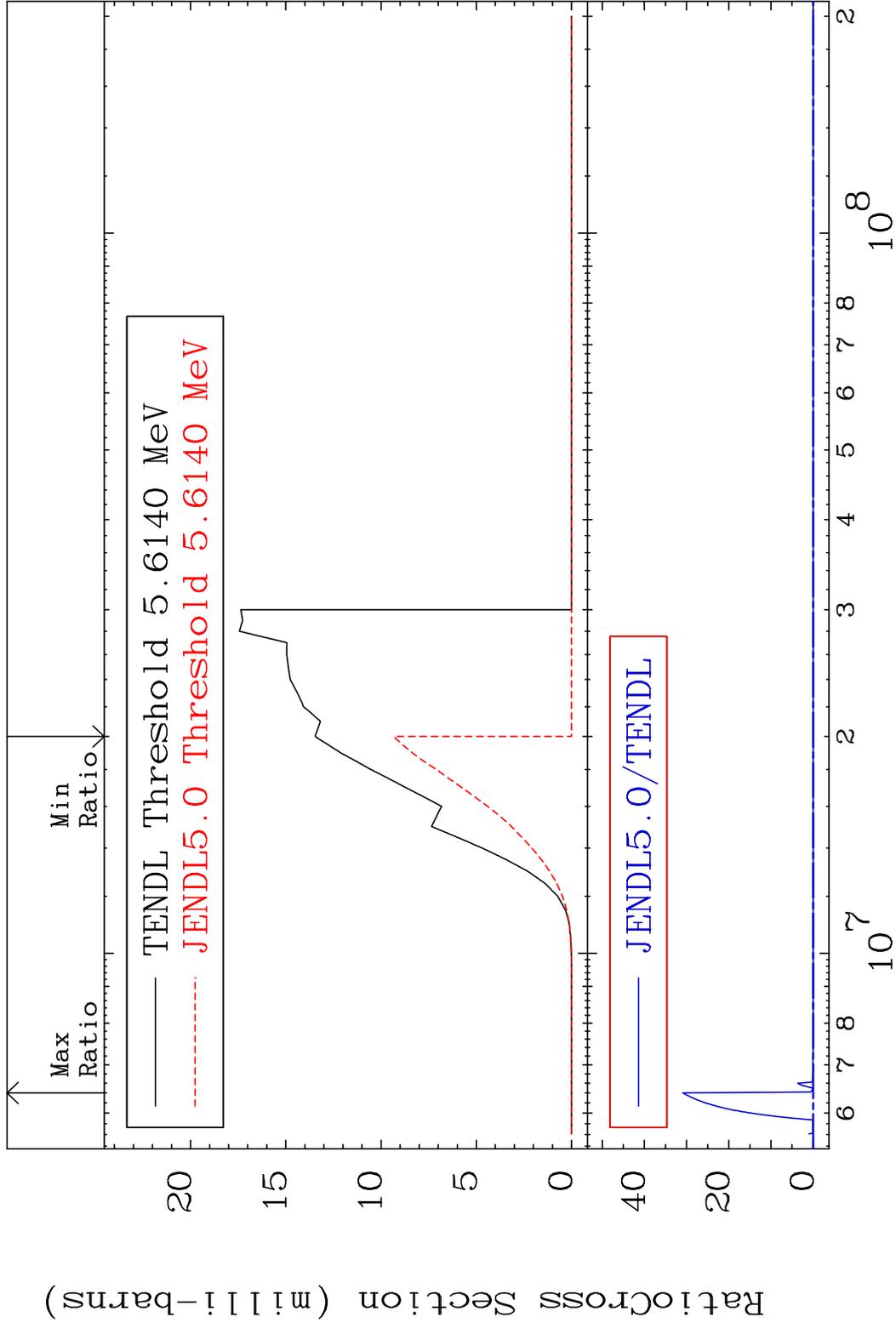


MAT 4228 (n,2n) p:41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 13.91 %

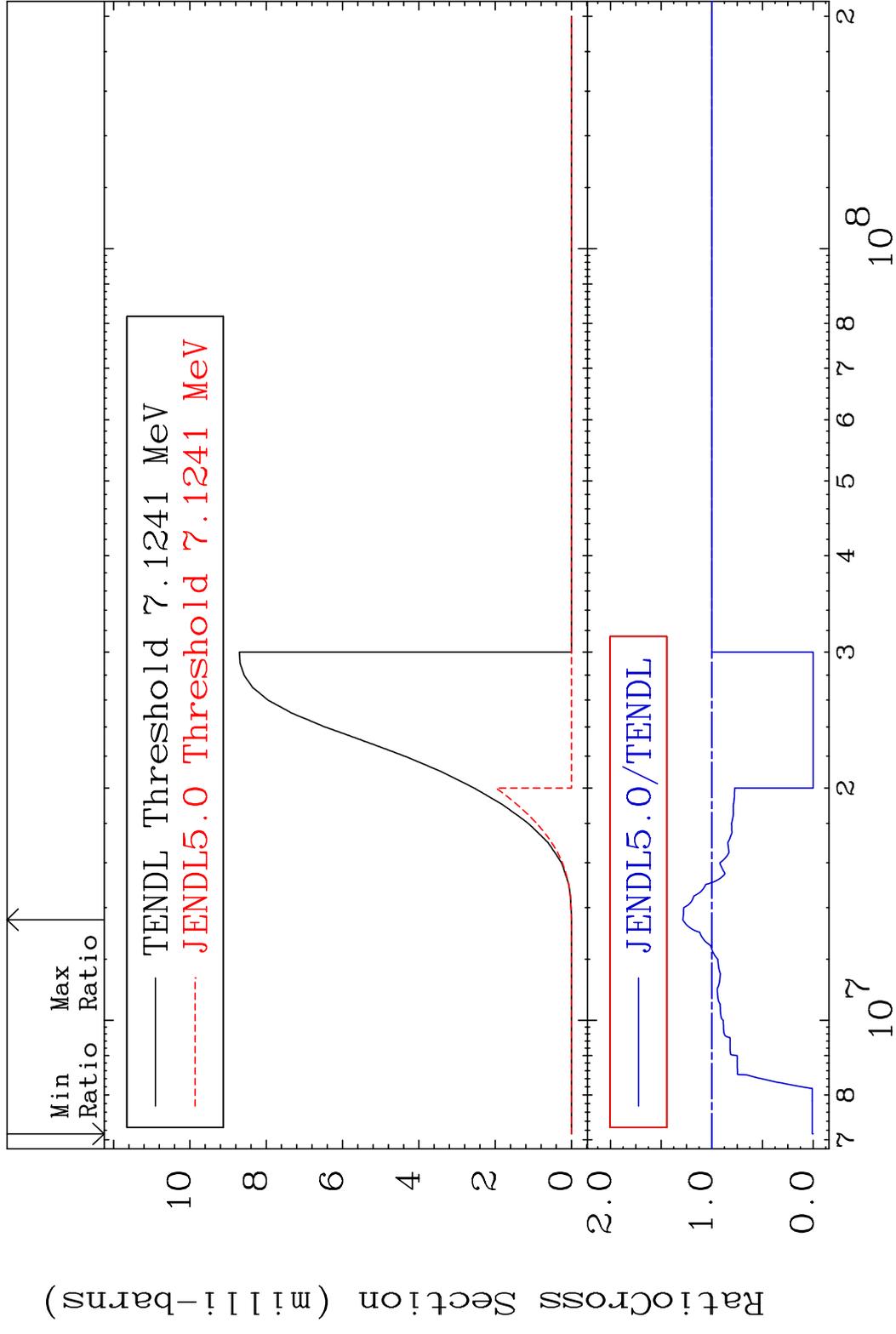




MAT 4228 (n,d):41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 10000 to 9999. %

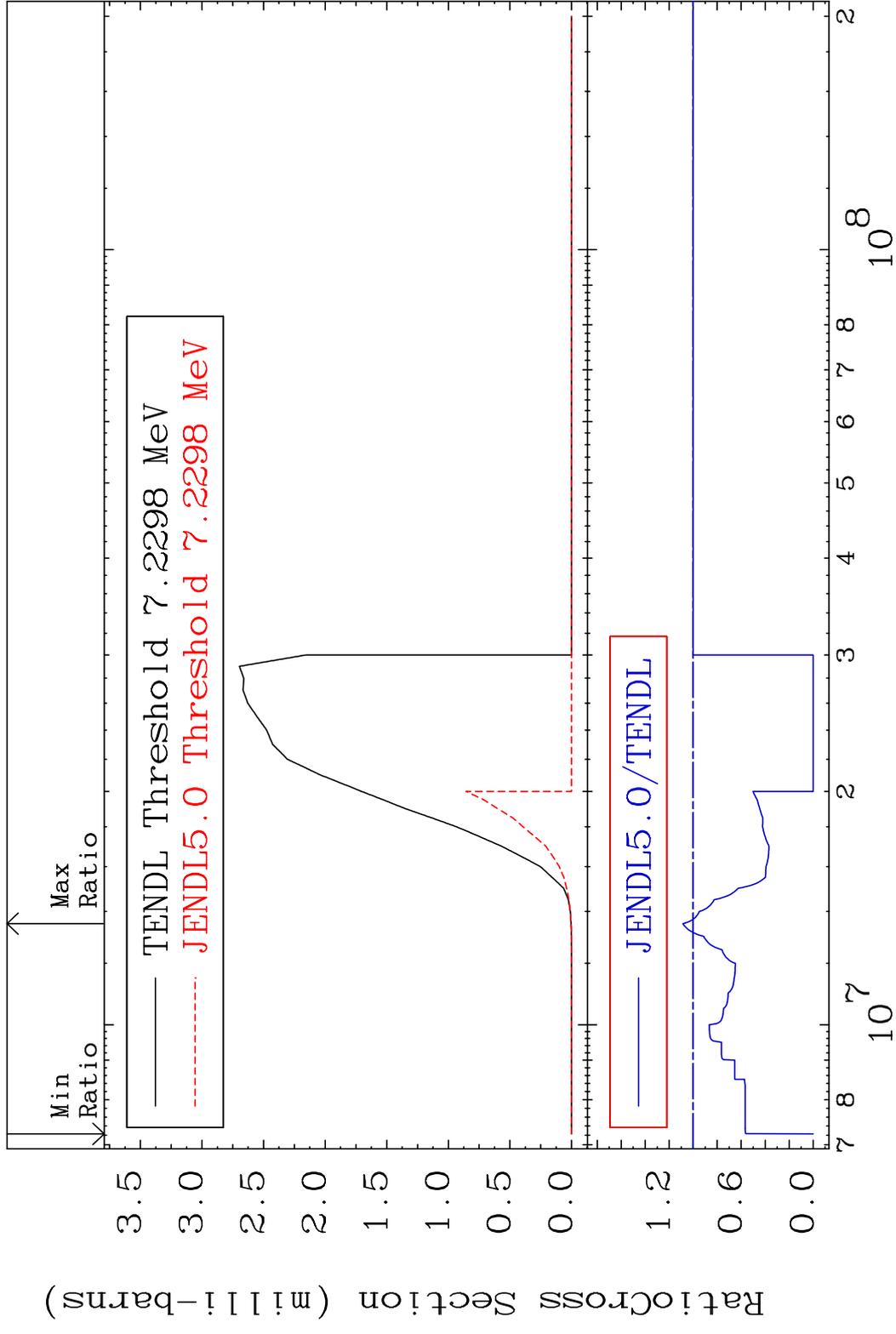


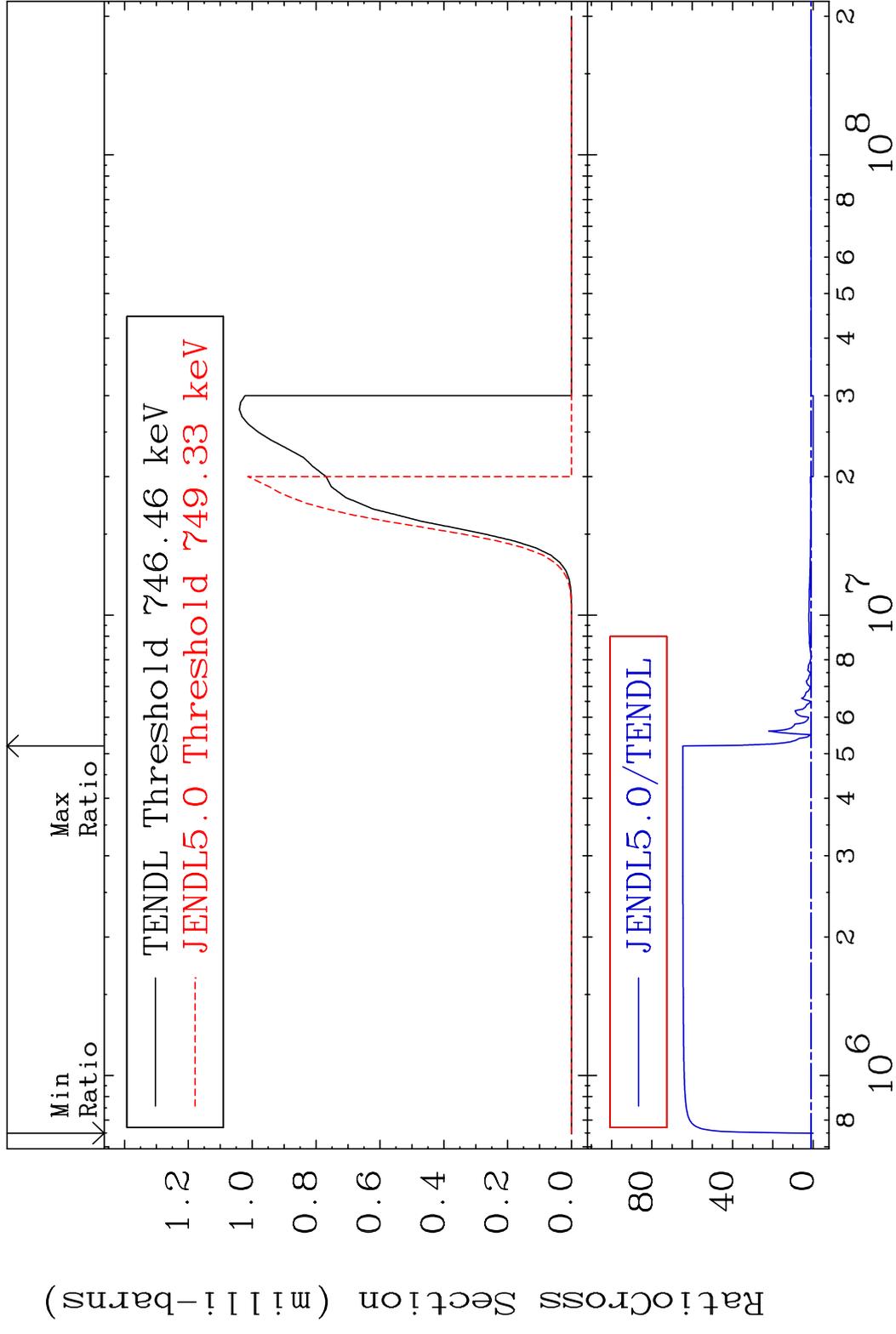
MAT 4228 (n, t): 41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 180.0 mb 28.56 %

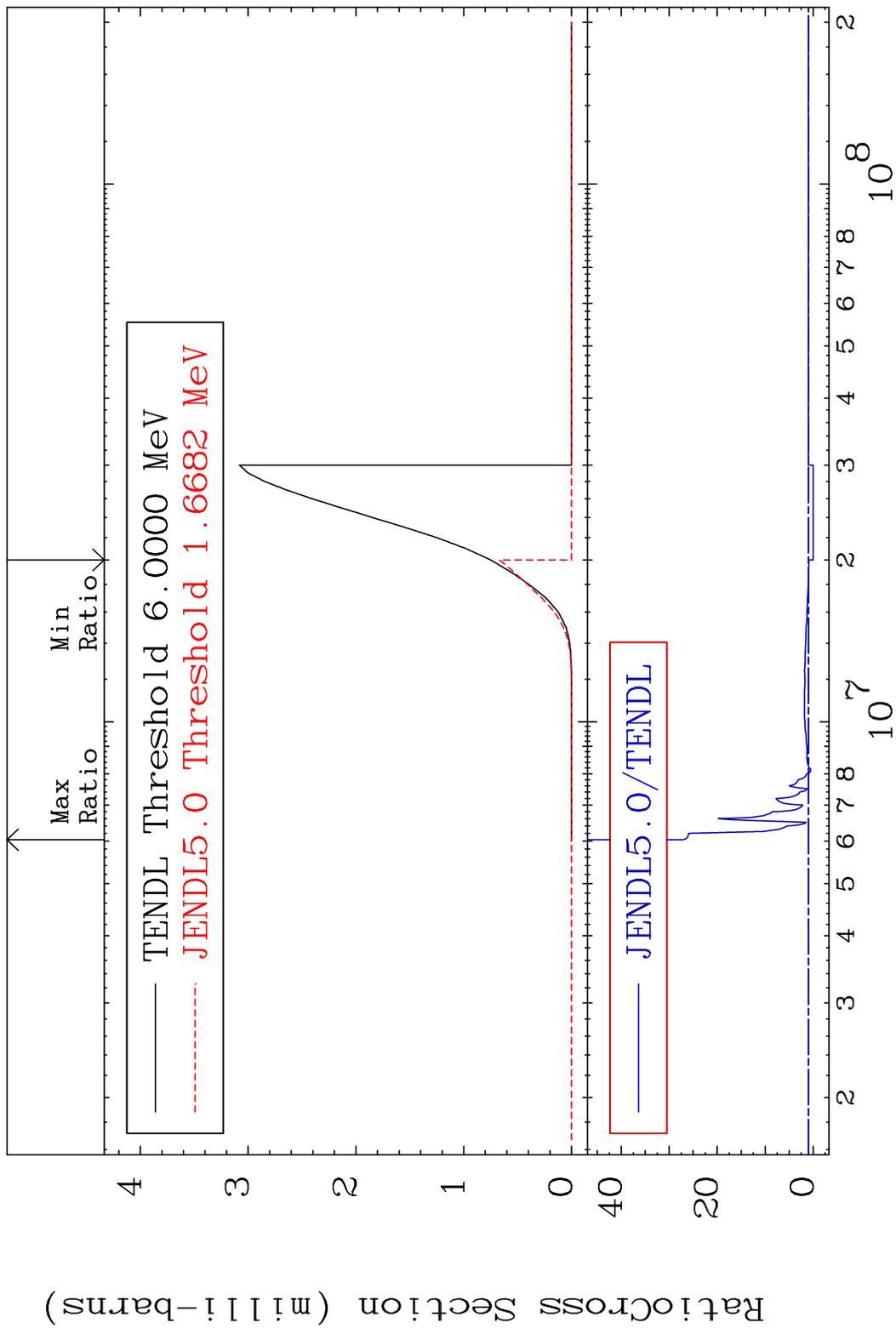


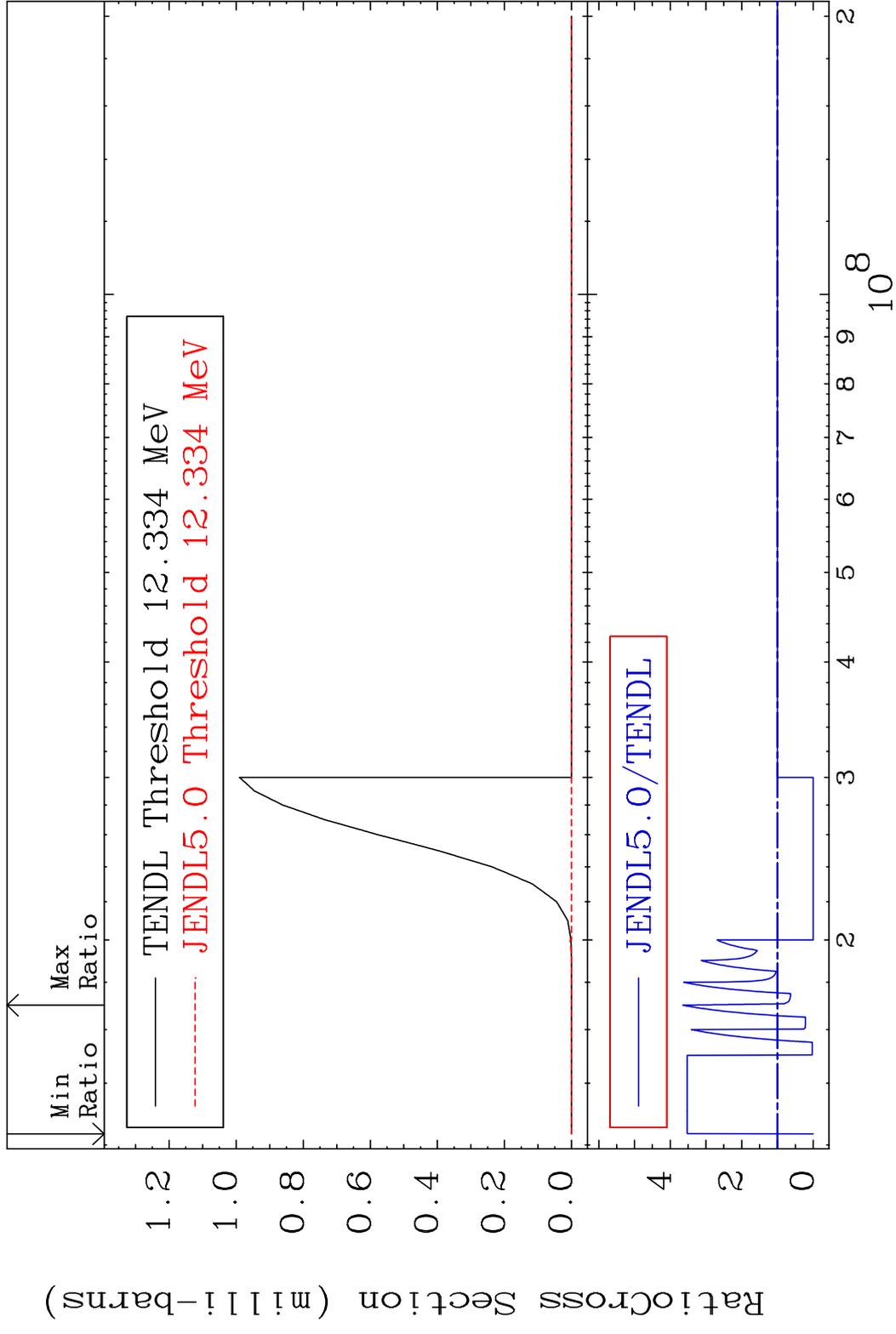
80 Incident Energy (eV) 42-Mo-93

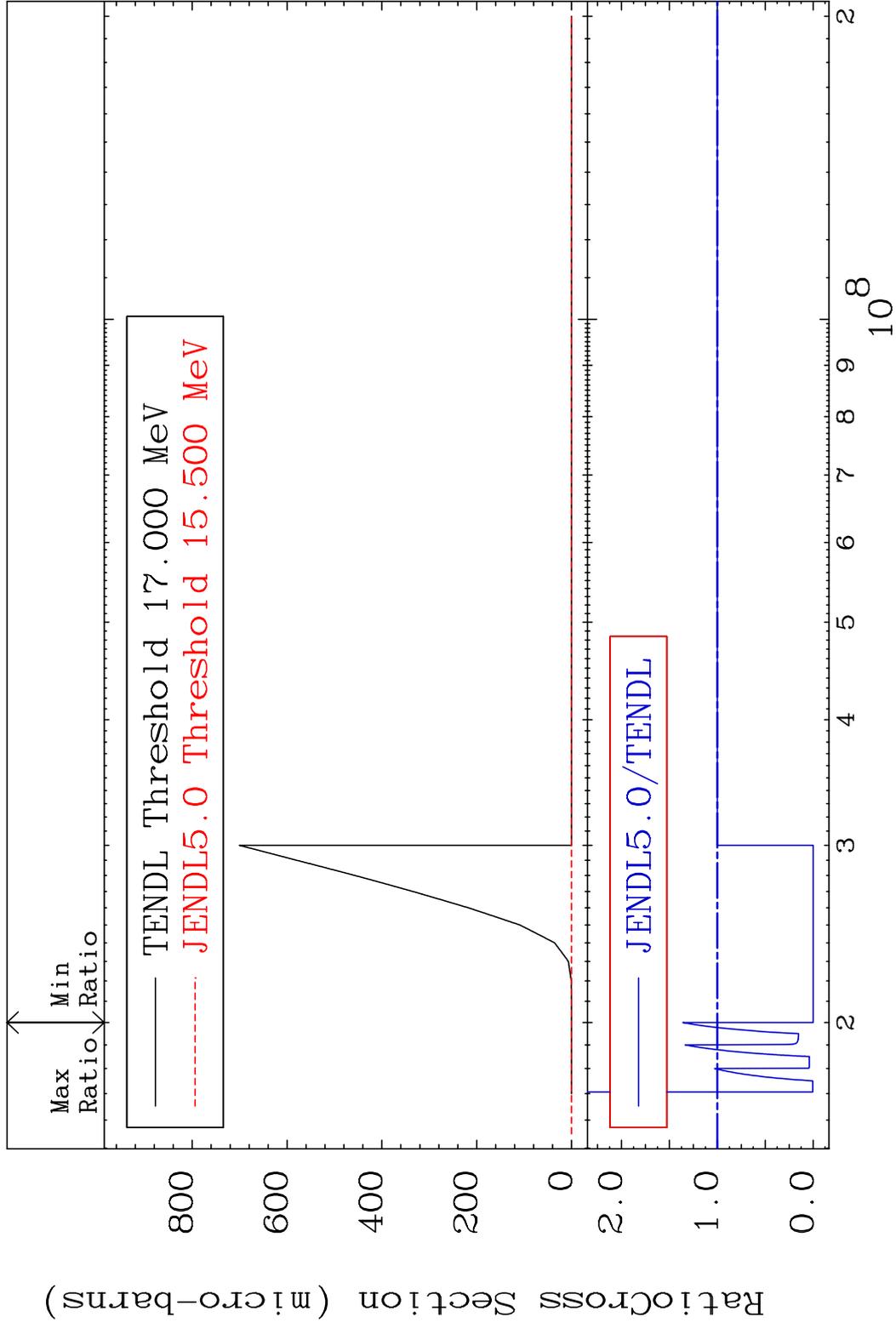
MAT 4228 (n, t): 41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 8.637 %

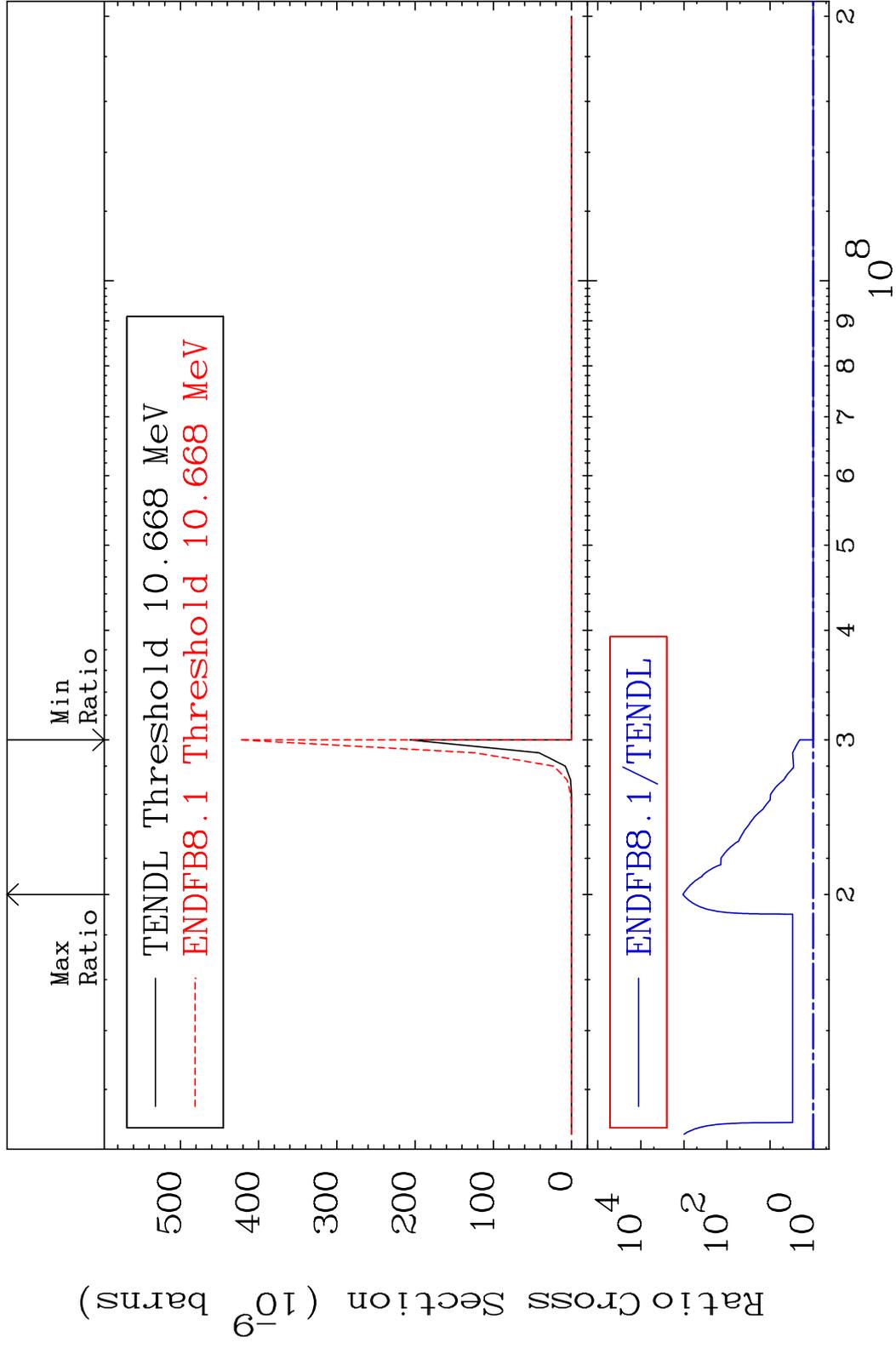


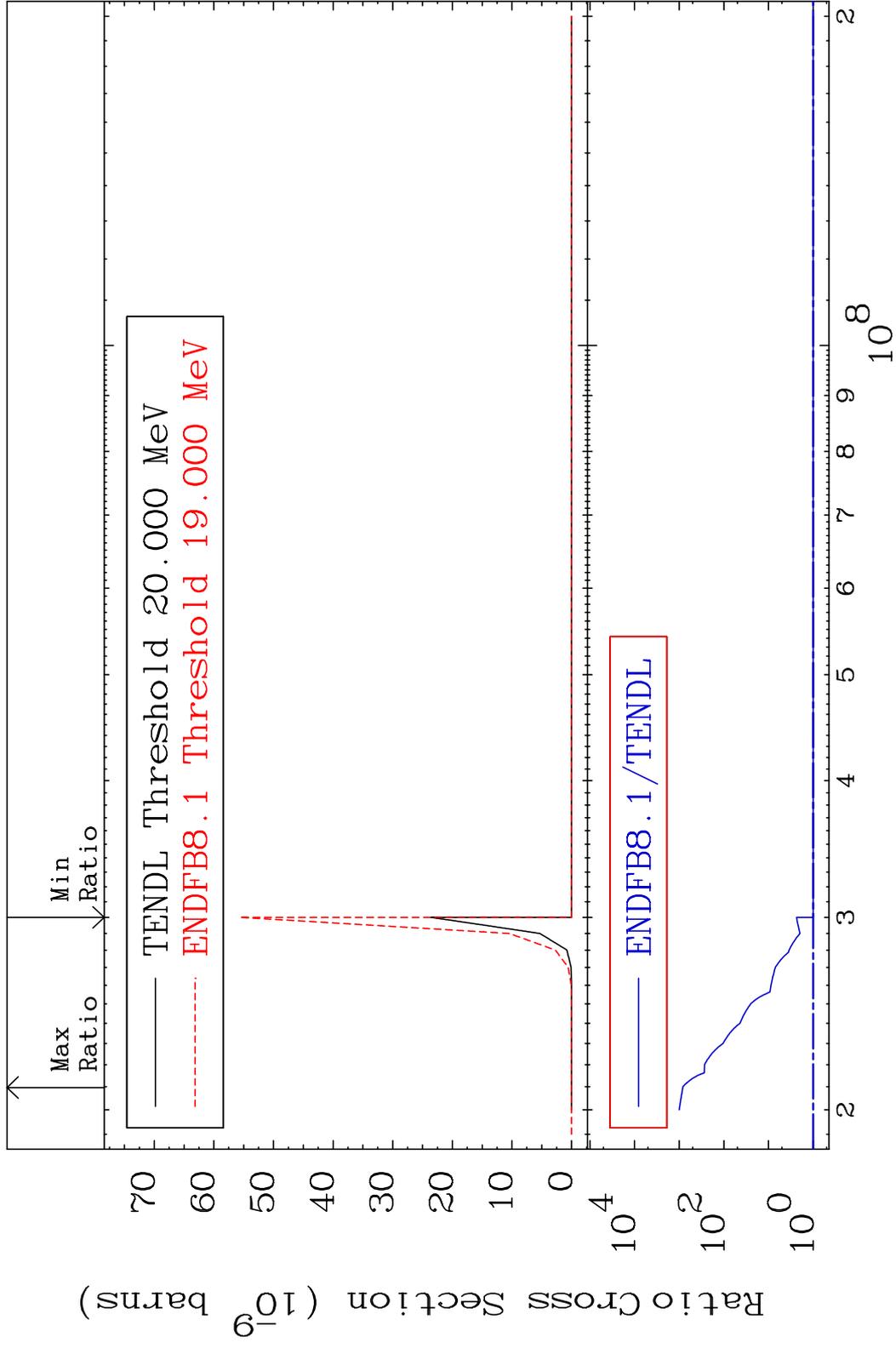


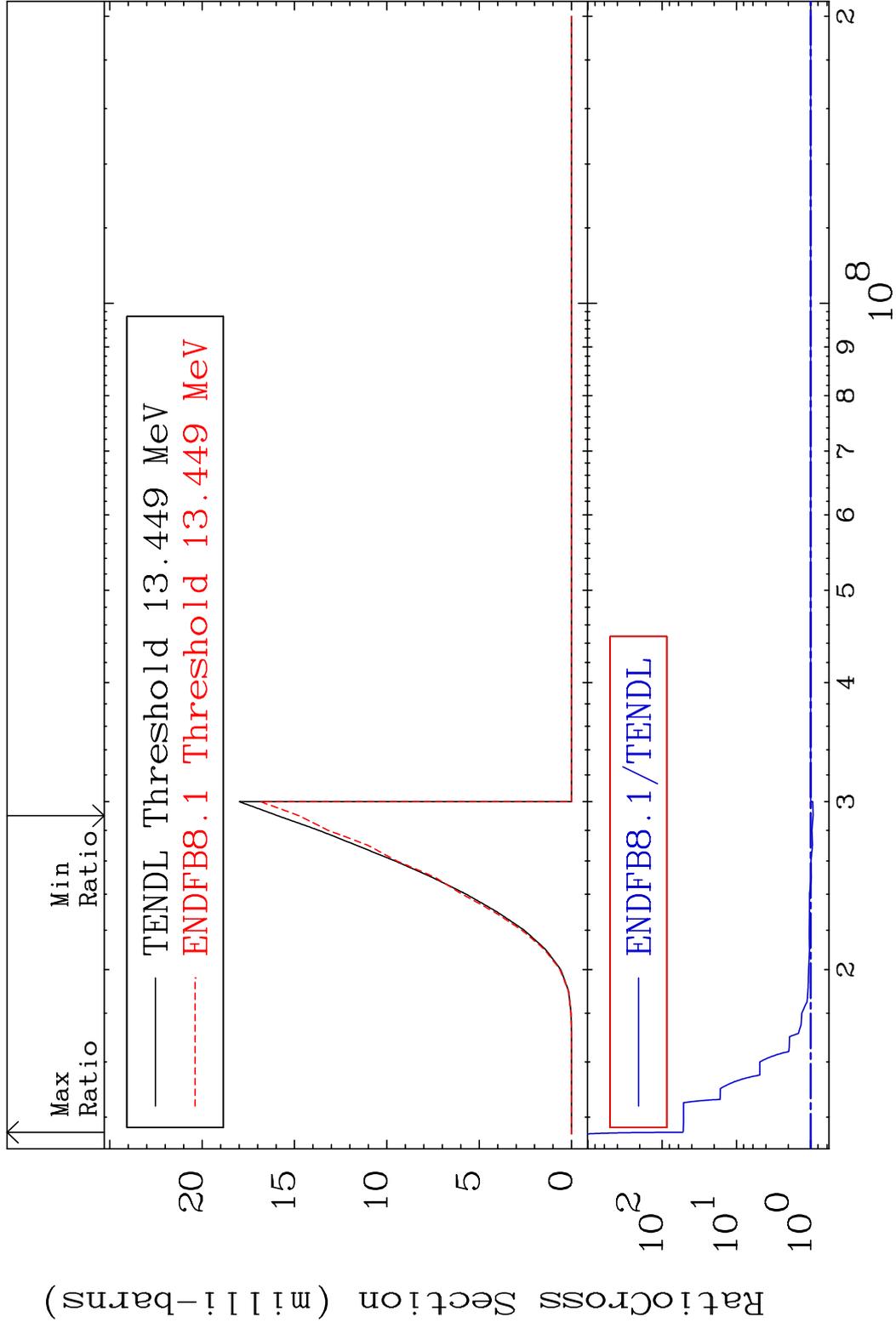


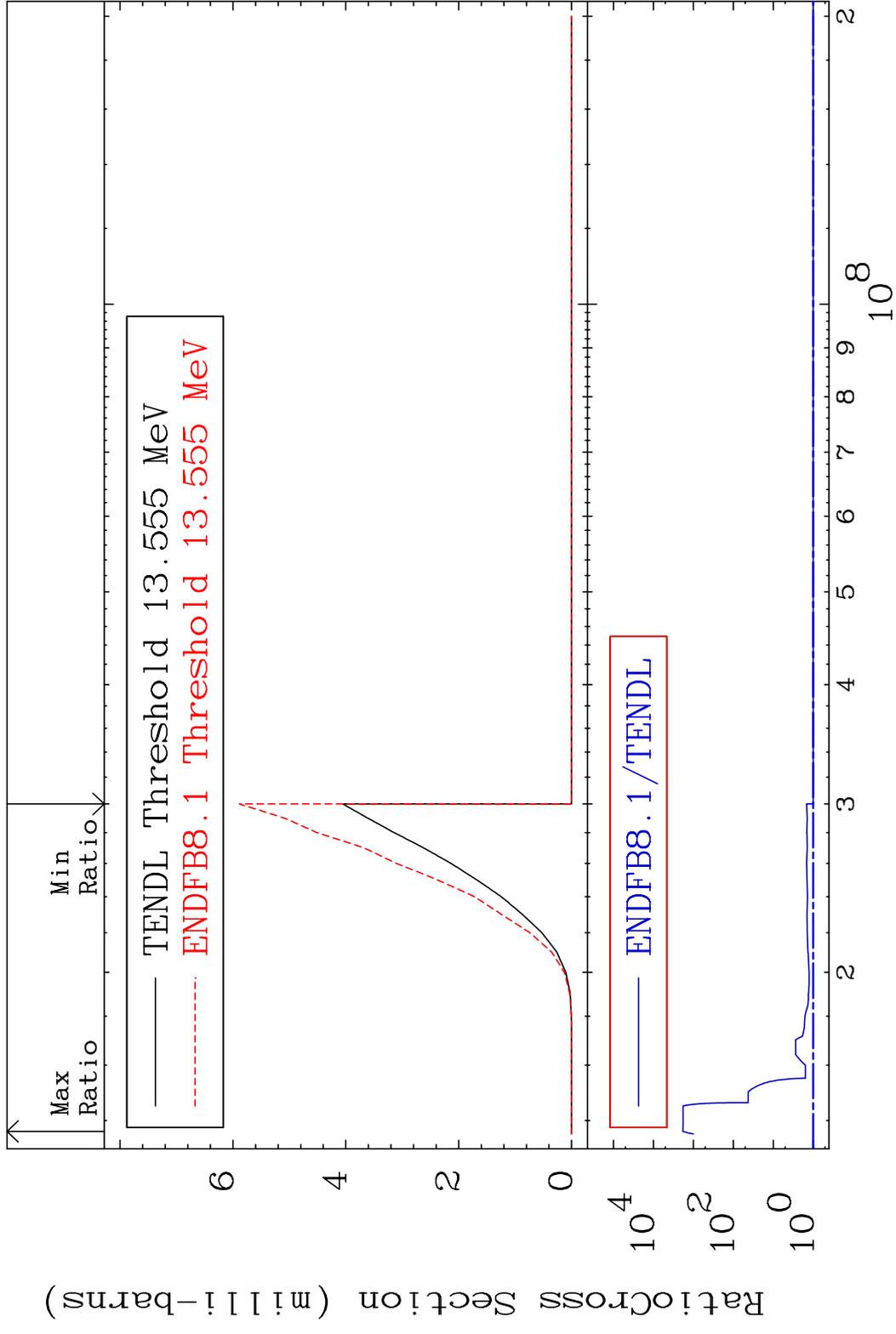




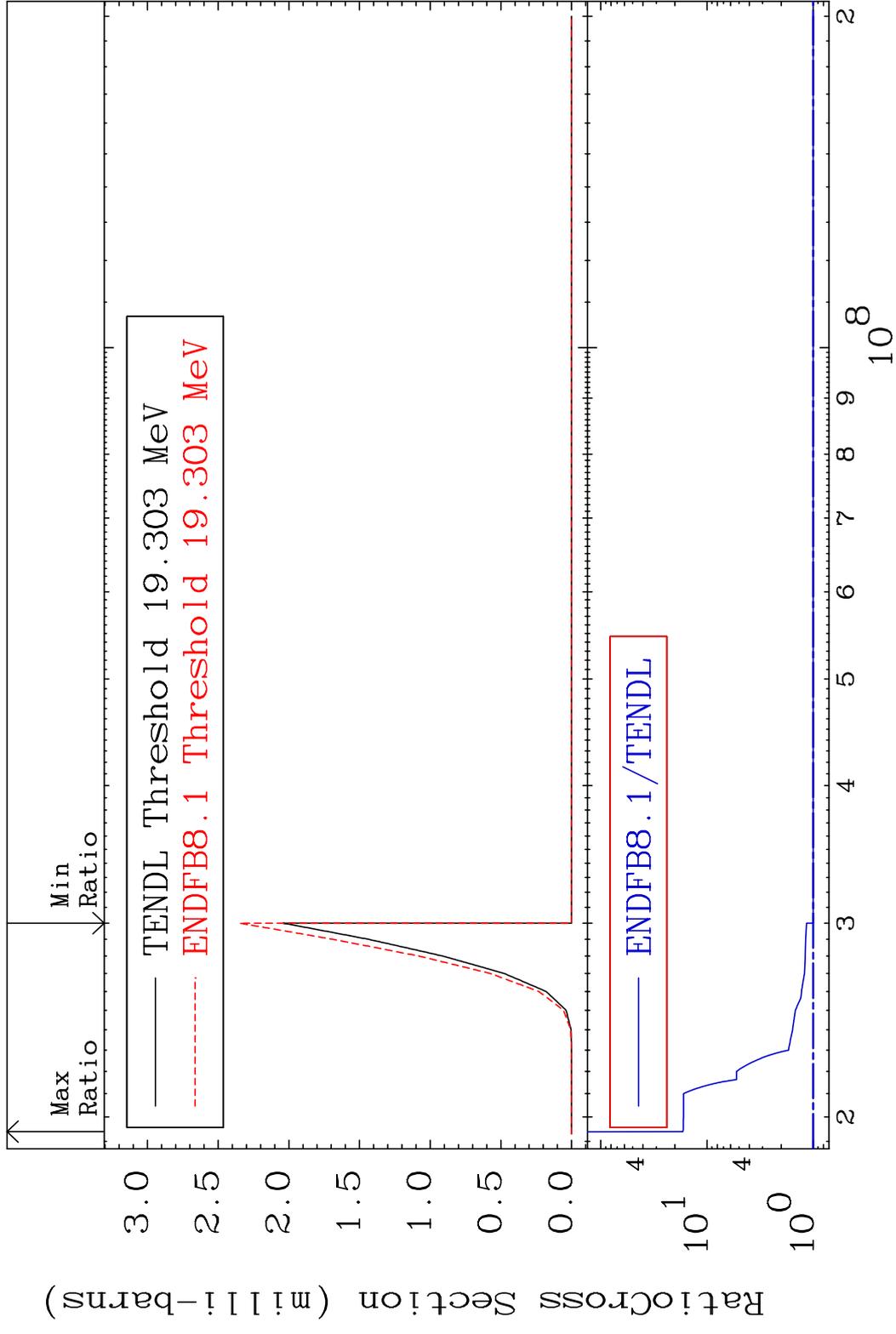


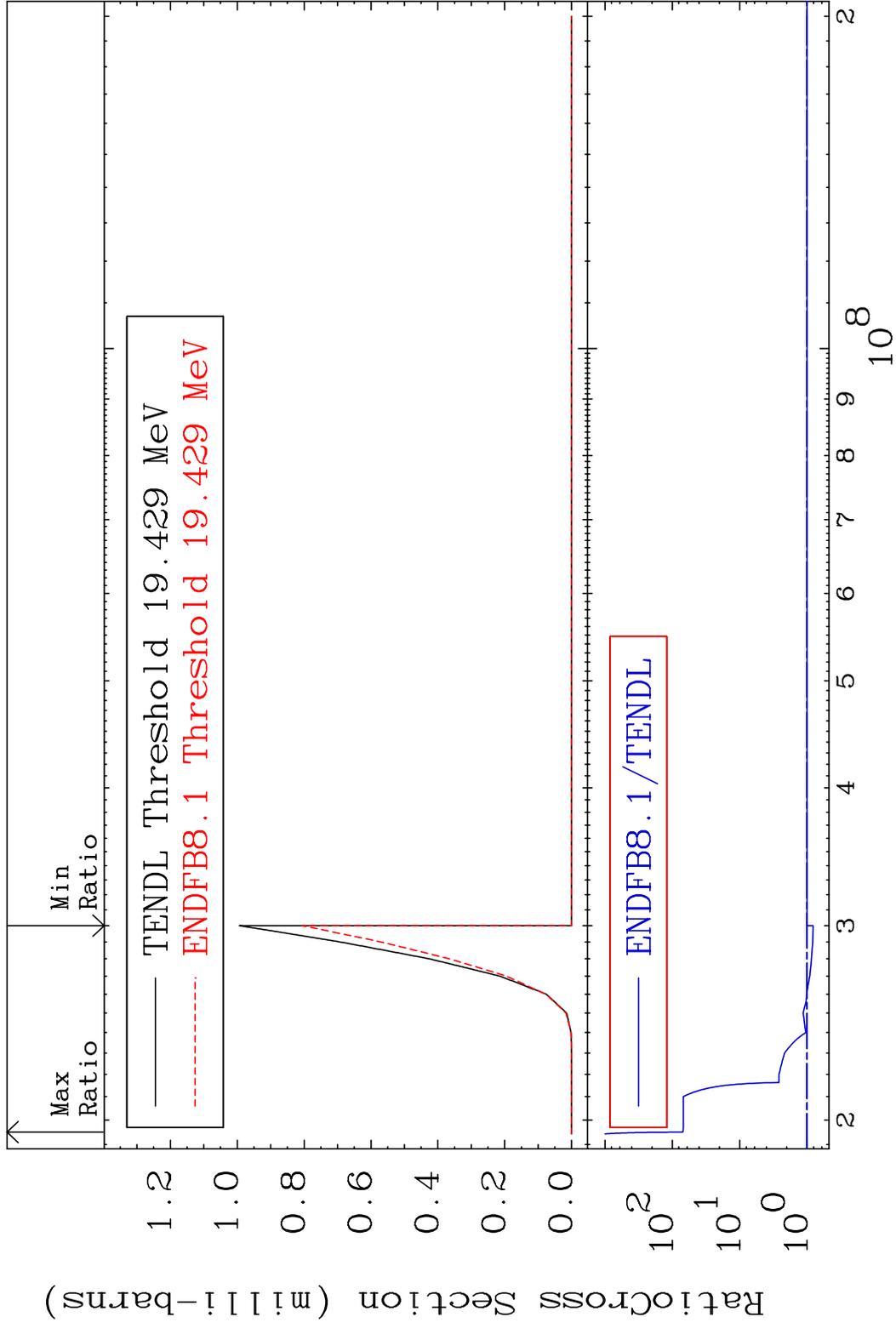


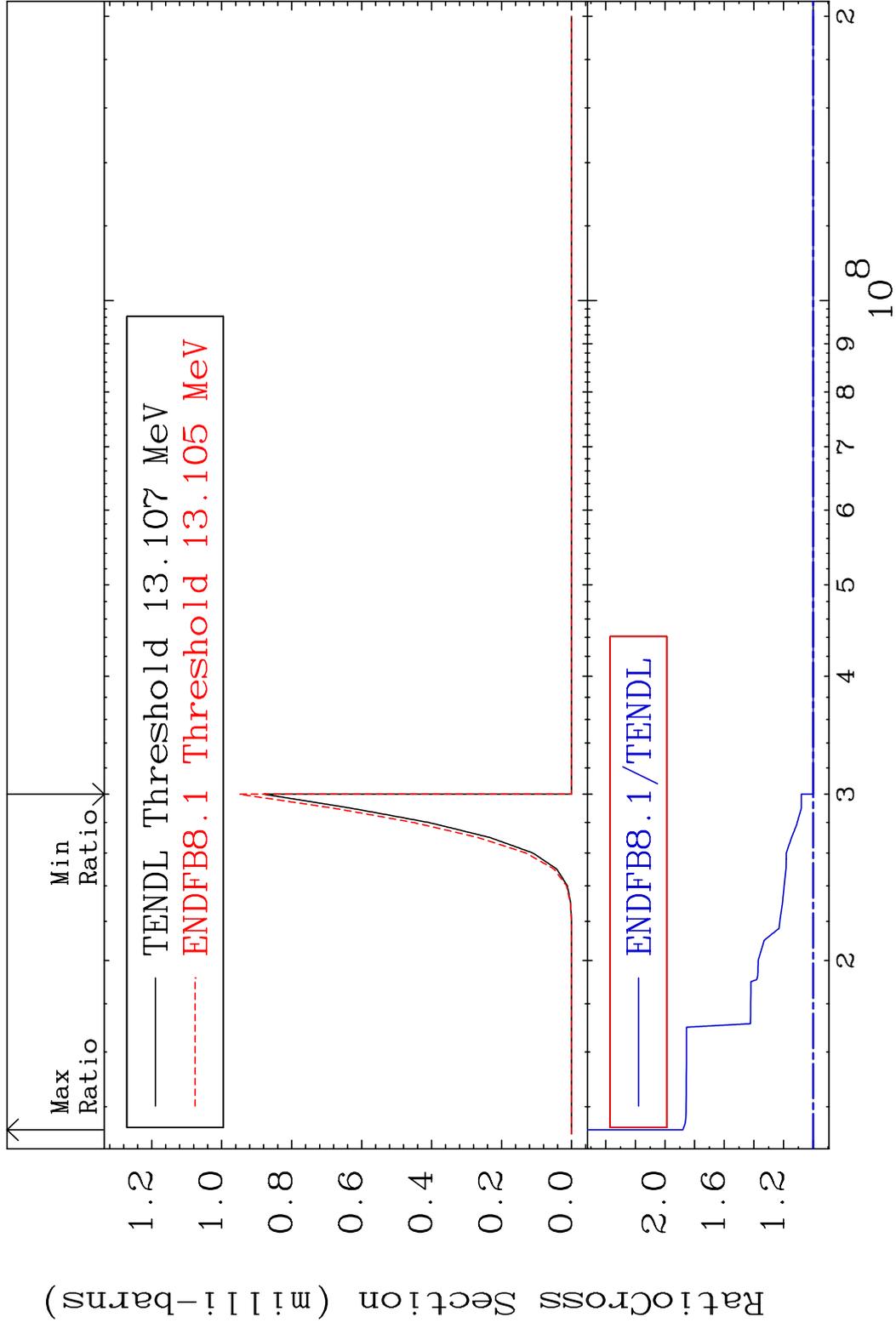




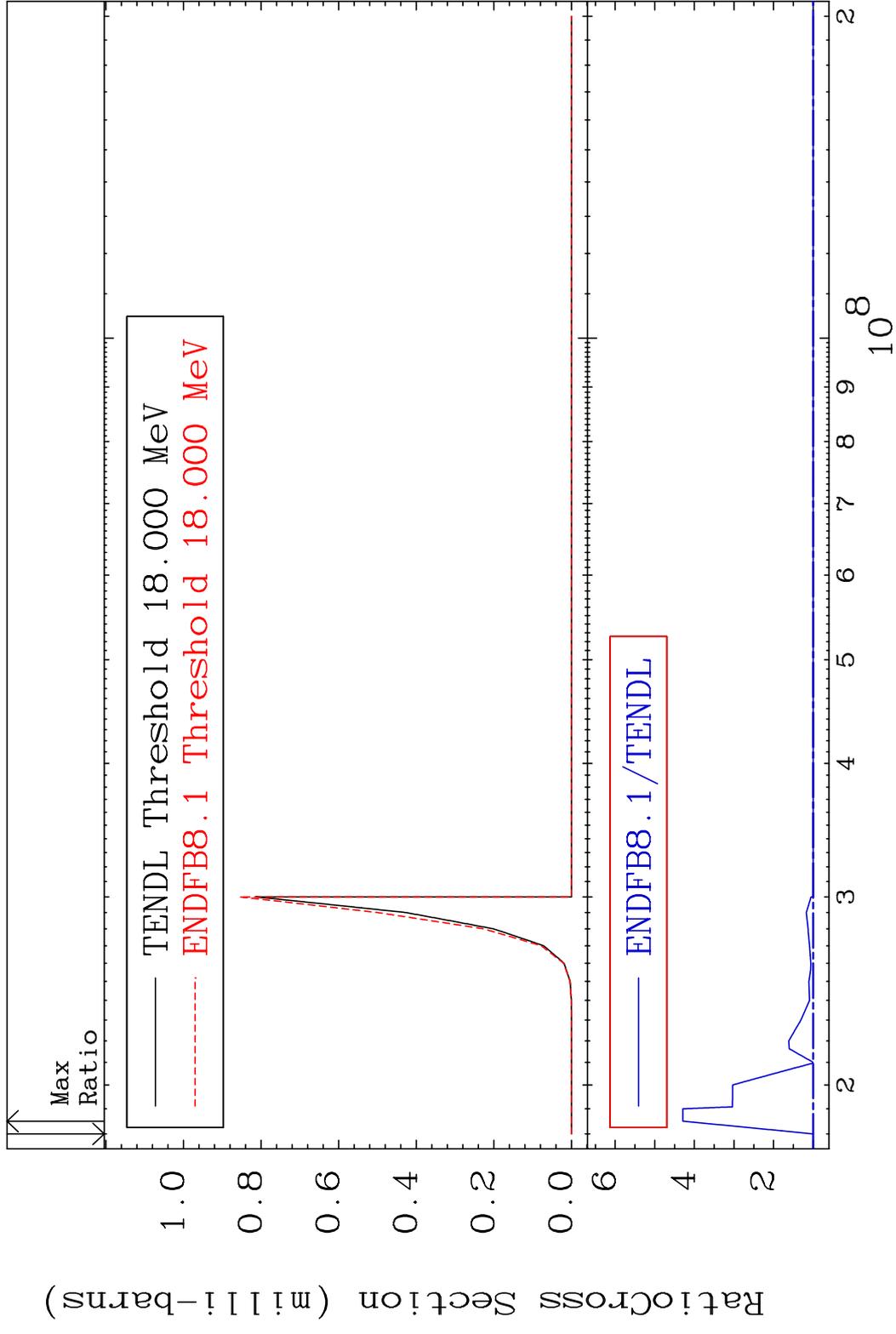
MAT 4228 (n, n') t:41-Nb-90g 42-Mo-93
 Radionuclide Production Cross Section 1587. %

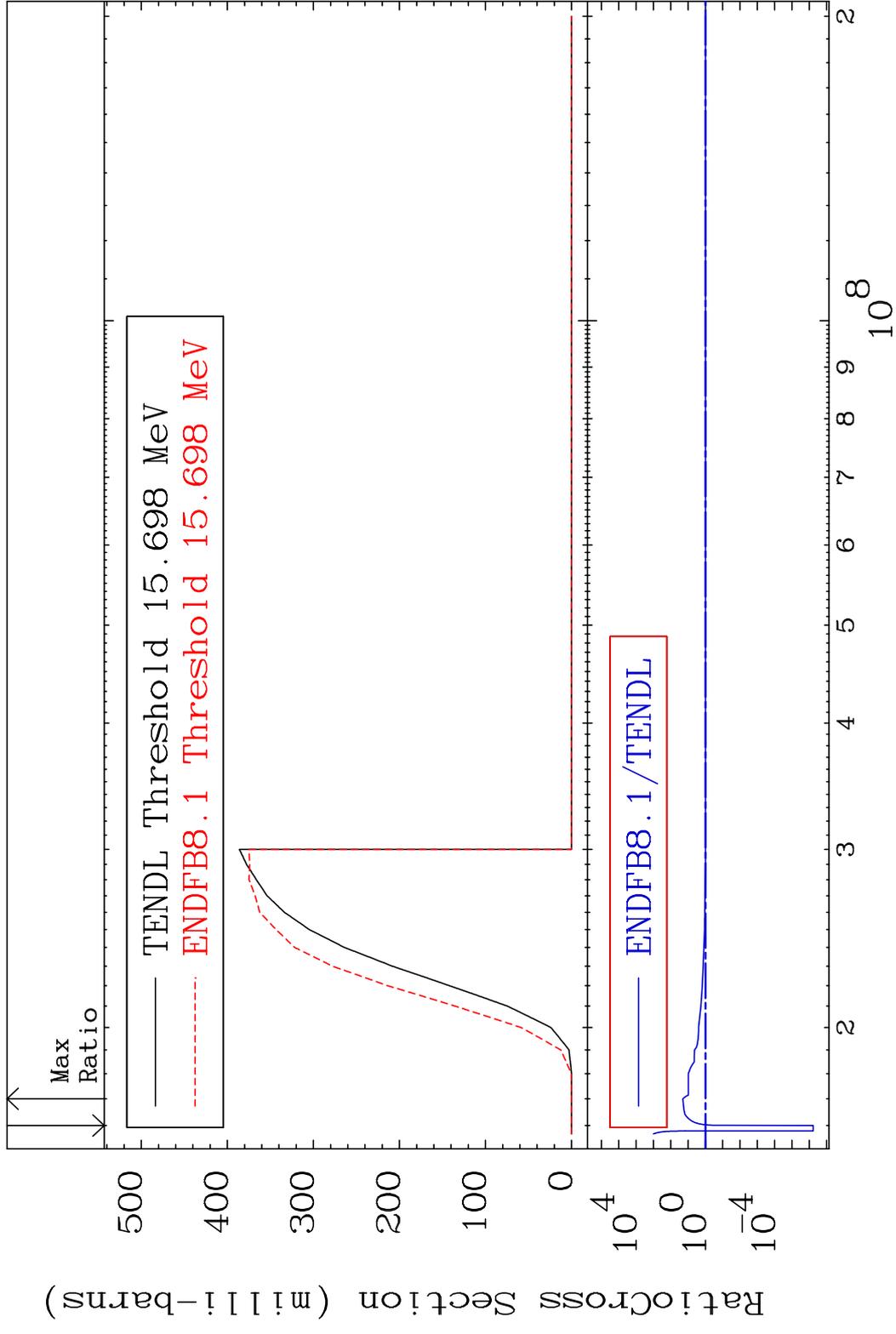




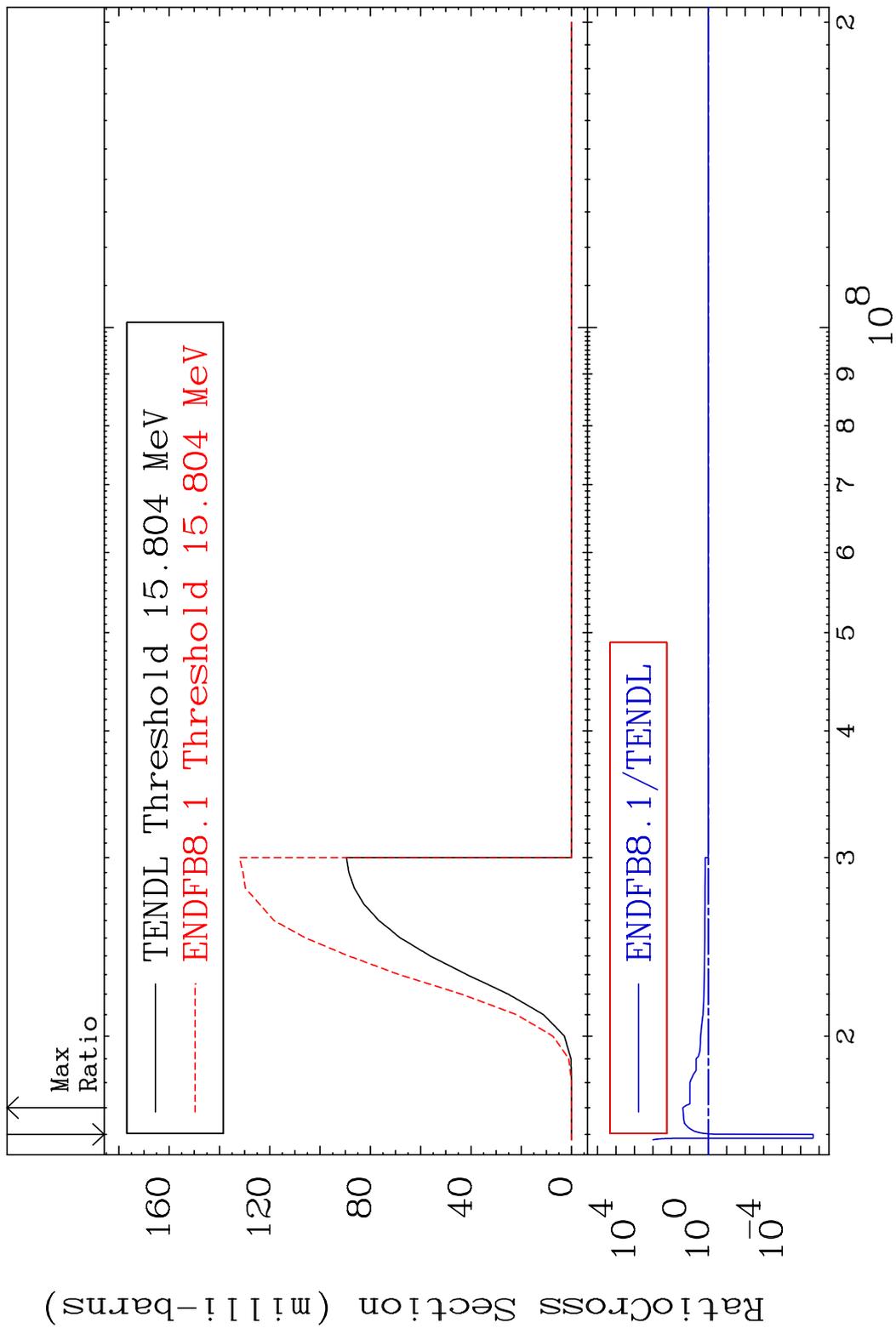


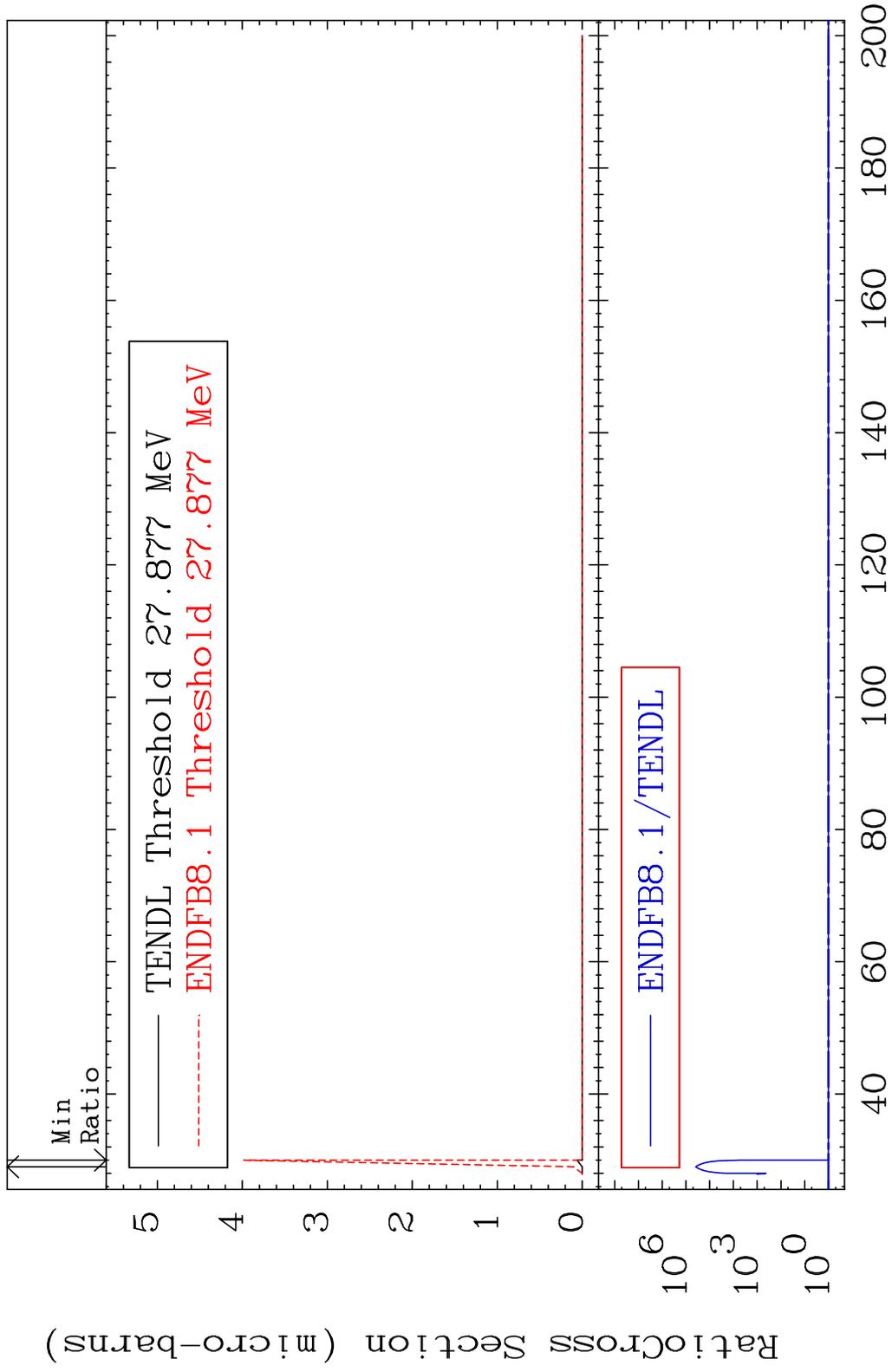
MAT 4228 (n, n') He-3:40-Zr-90m3 42-Mo-93
 Radionuclide Production Cross Section 329.1 %

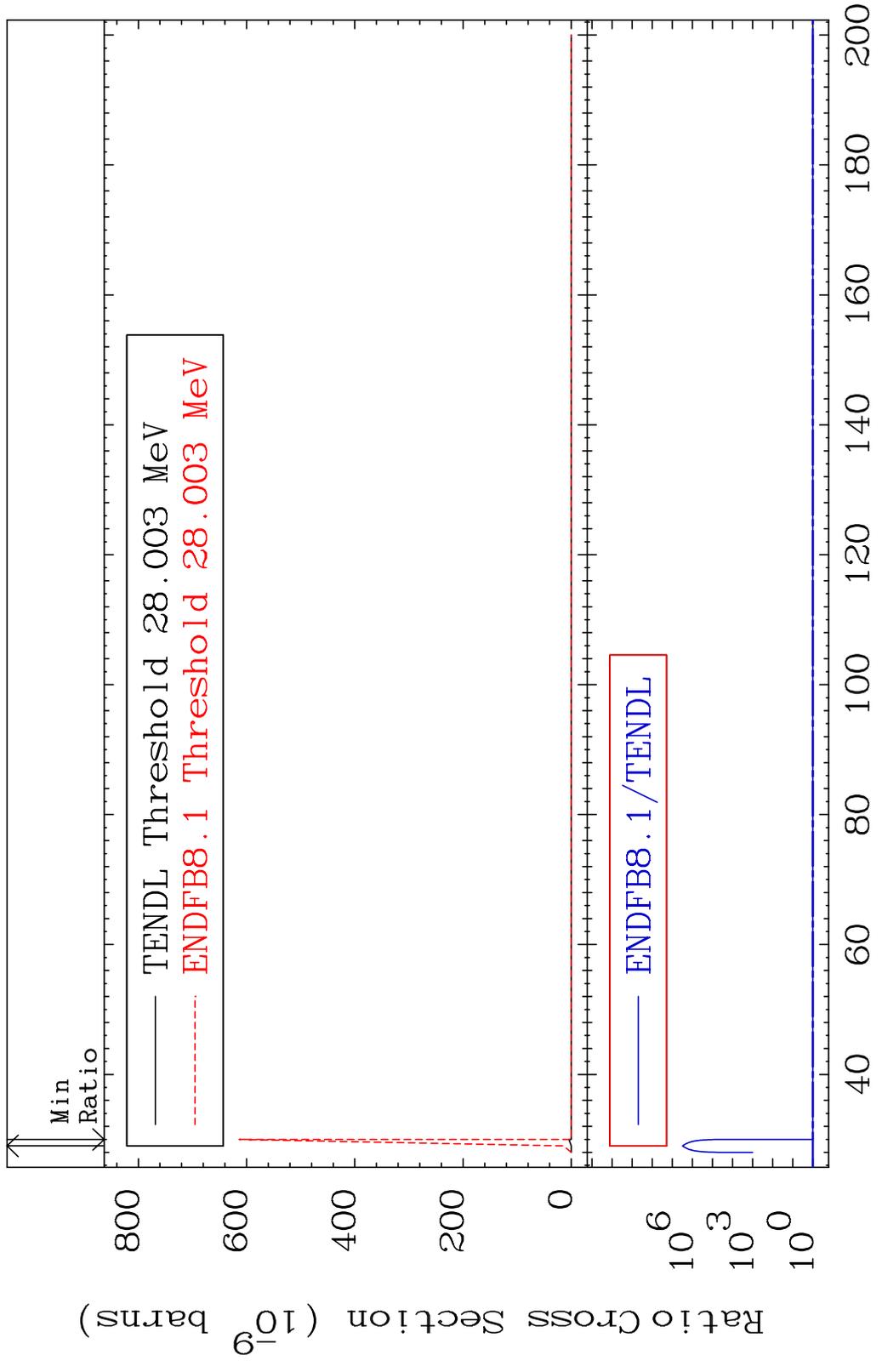


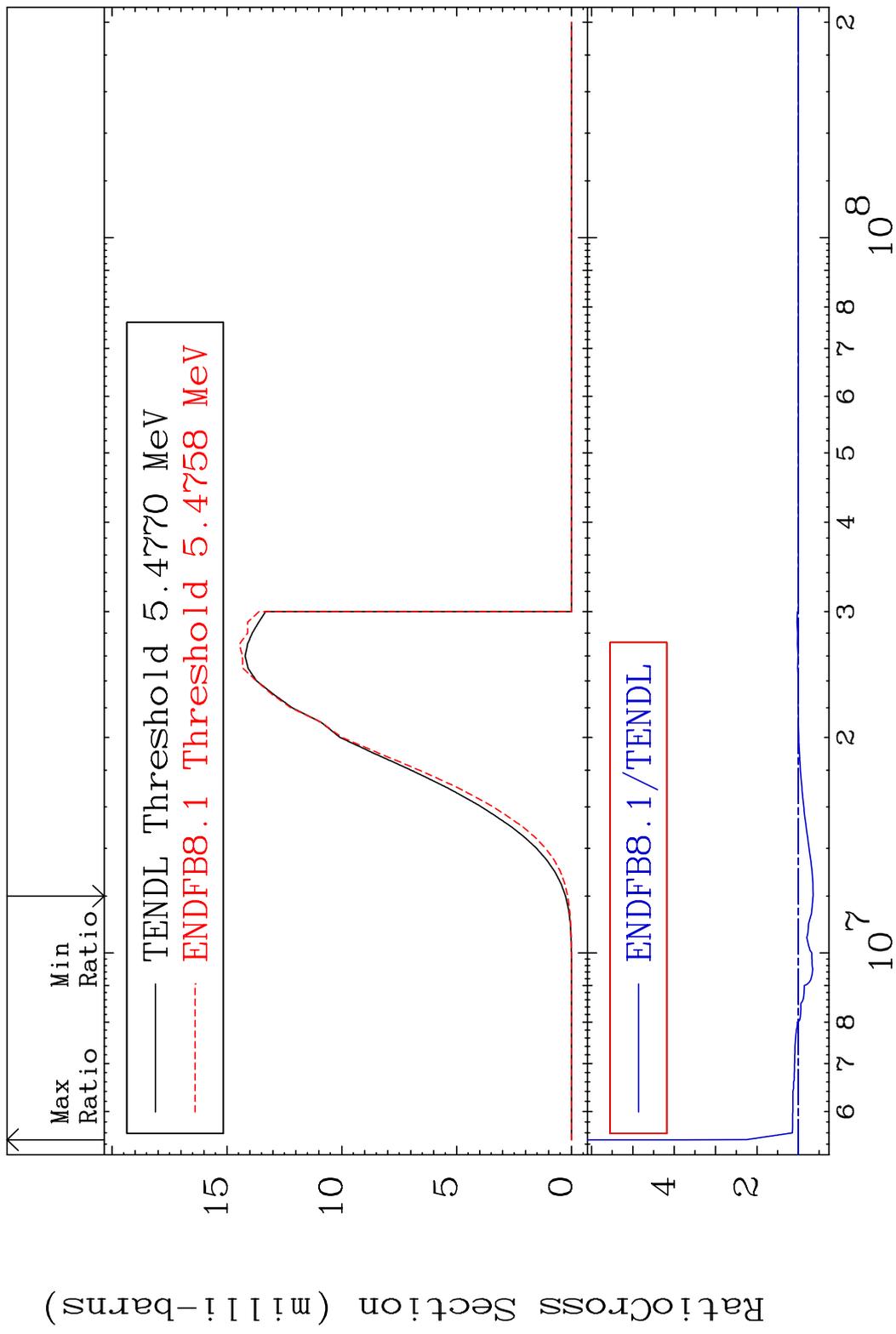


MAT 4228 (n,2n) p:41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section Ratio 2290. %

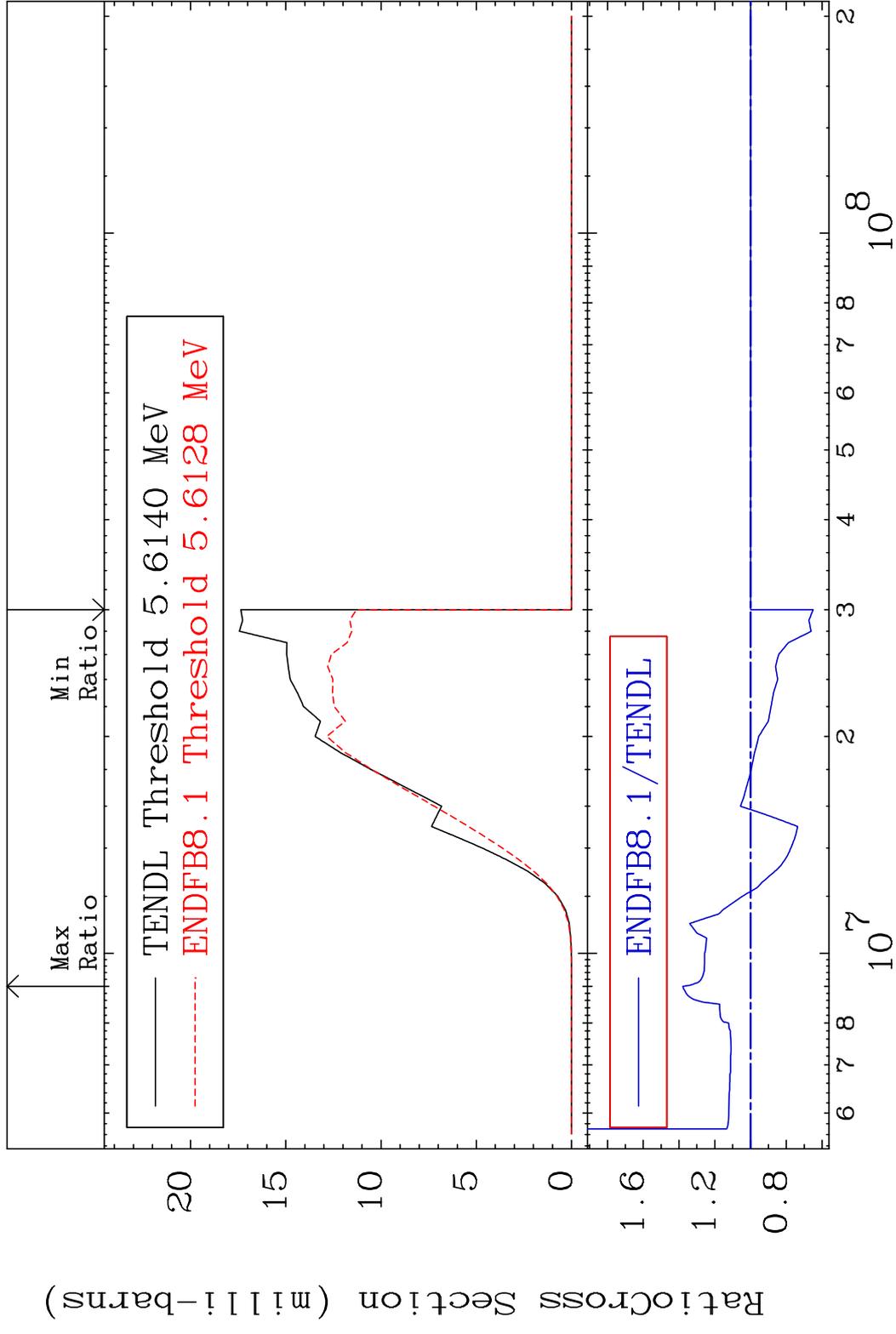




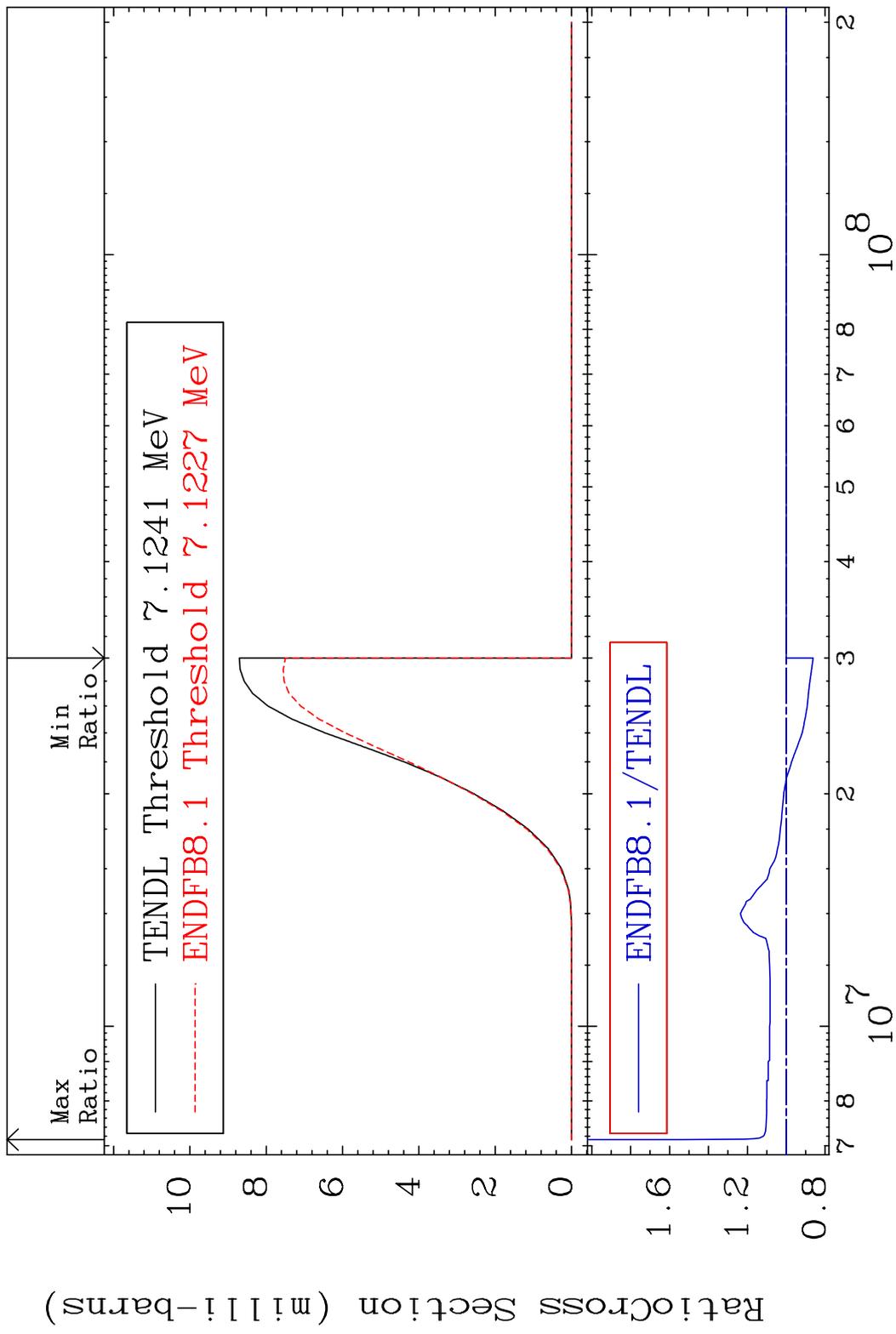




MAT 4228 (n, d) : 41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 37.86 %



MAT 4228 (n, t): 41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 53.17 %



100 Incident Energy (eV) 42-Mo-93

