

Program Complot
(Version 2021-1)

by

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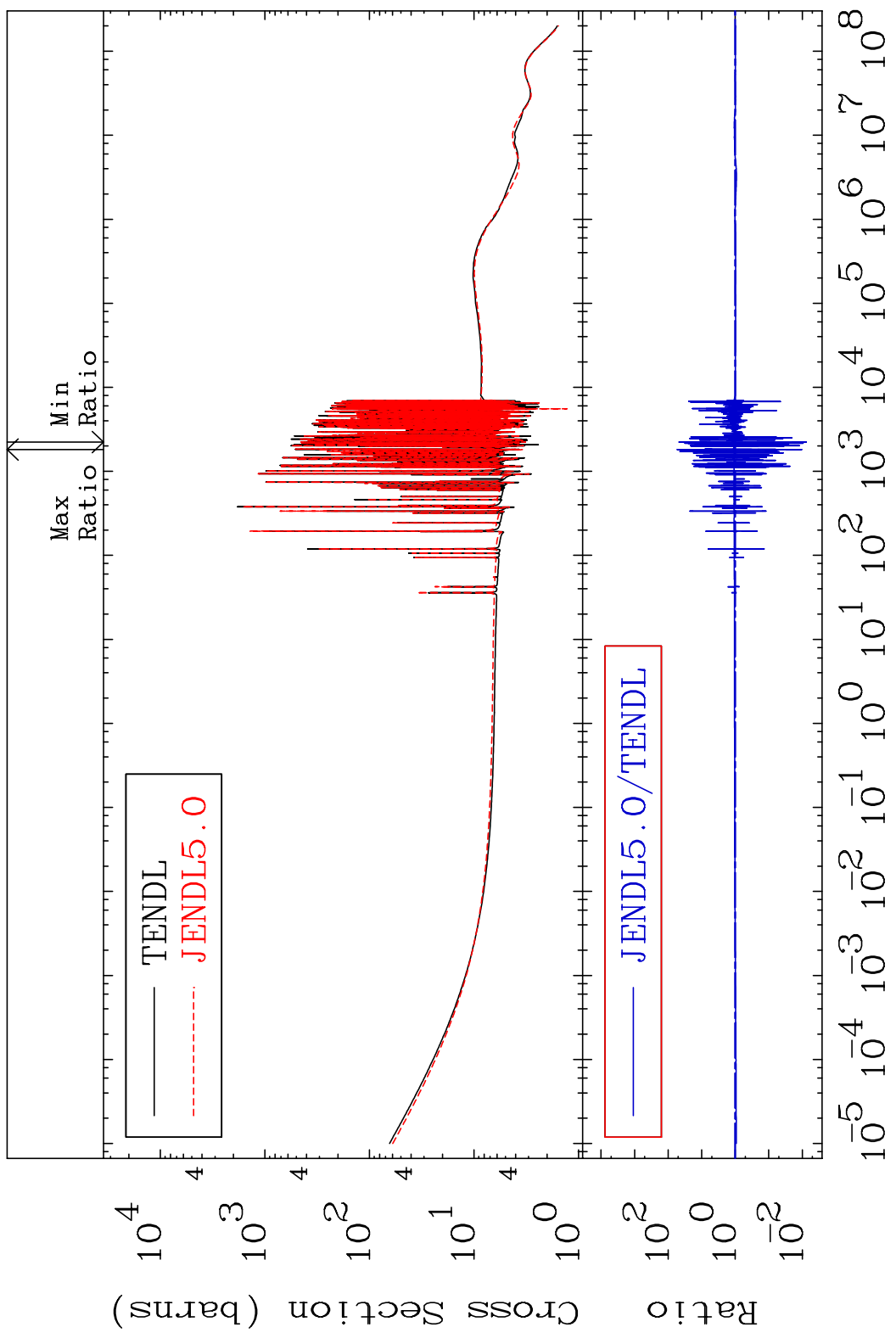
Press Mouse Button to Start

MAT 4125

Total

41-Nb-93

Cross Section -99.24 To 5266. %



1

Incident Energy (eV)

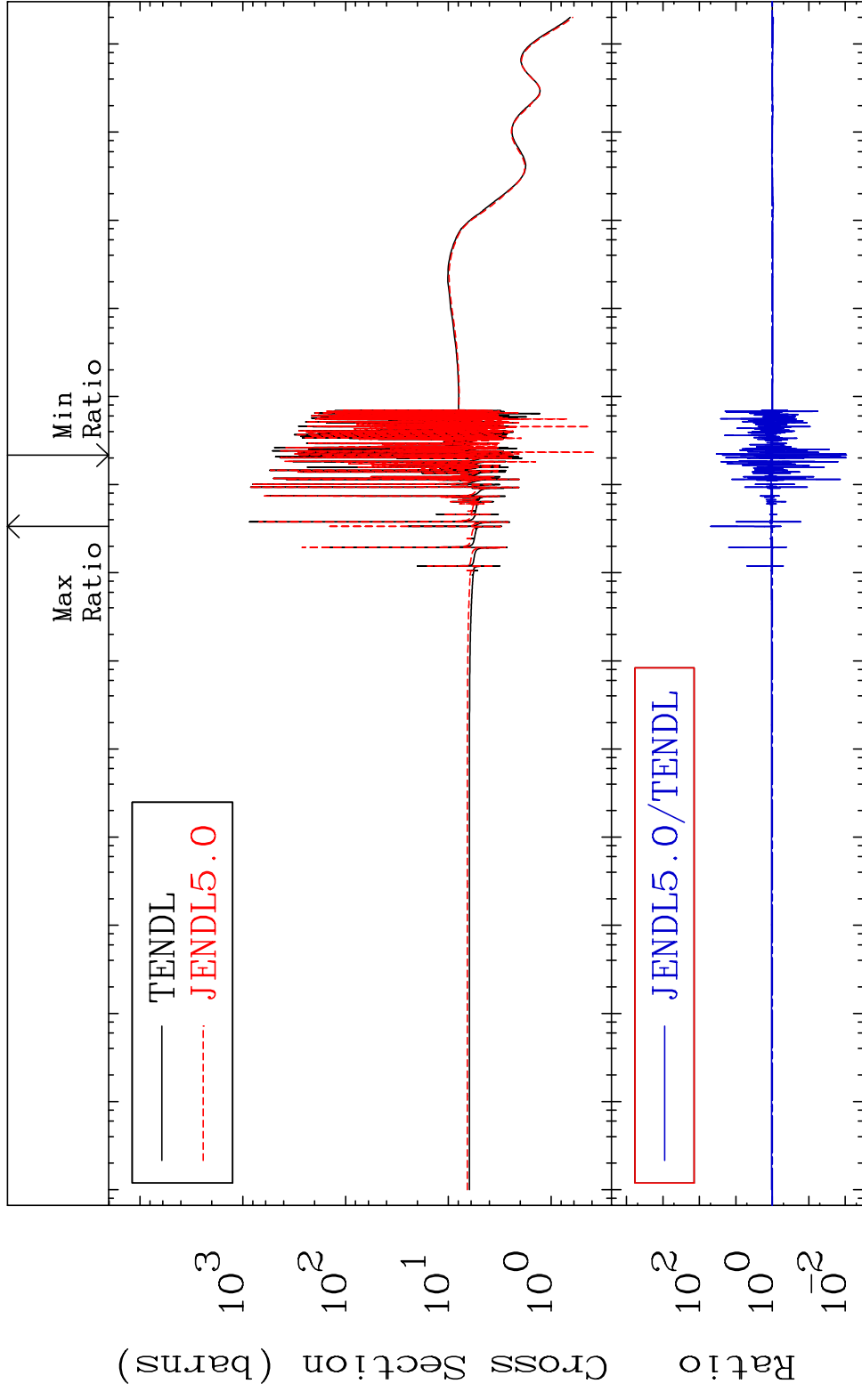
41-Nb-93

MAT 4125

Elastic

41-Nb-93

Cross Section -99.06 To 4804. %



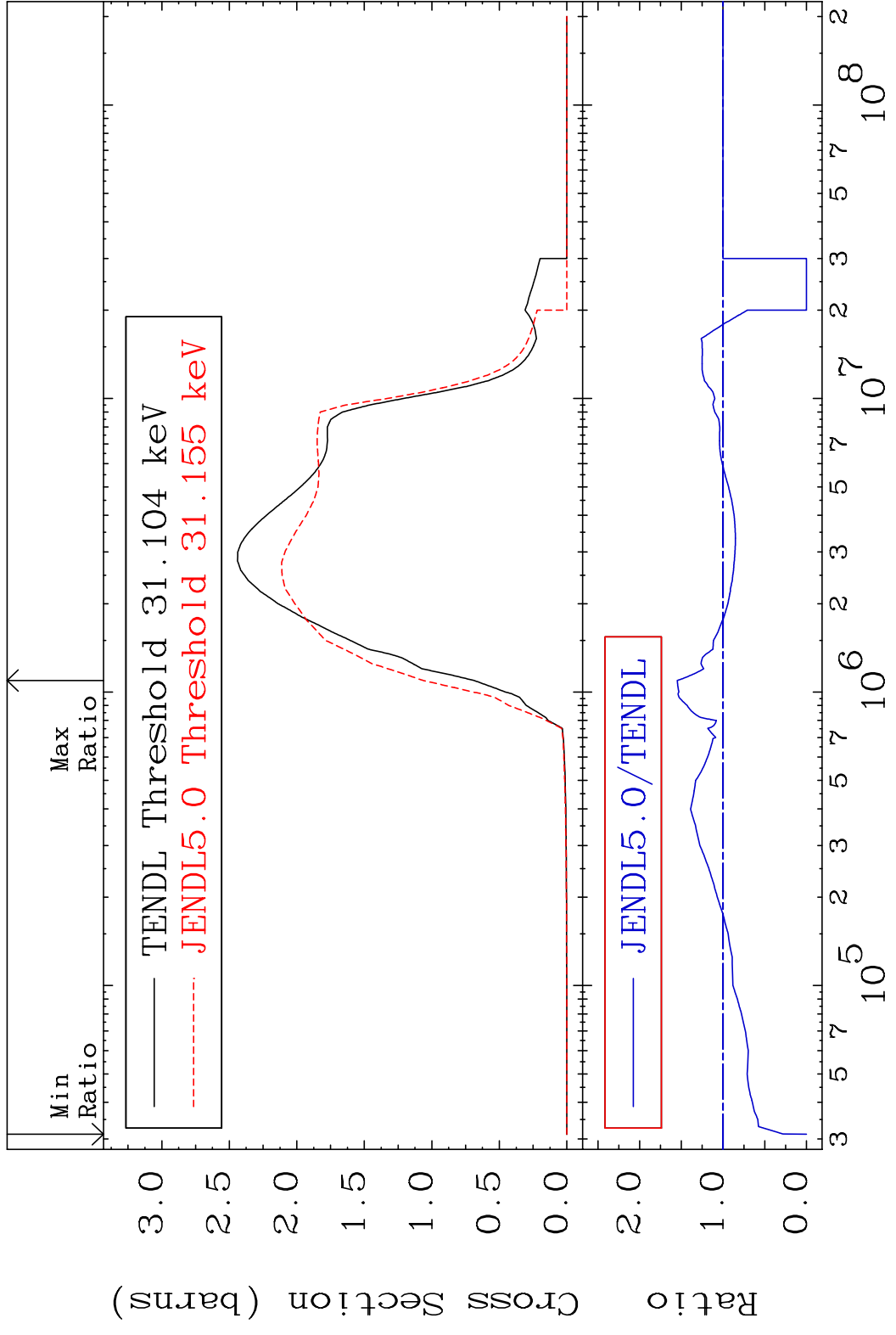
Max Ratio

Min Ratio

— TENDL
- - - JENDL5.0

JENDL5.0/TENDL

MAT 4125 Inelastic 41-Nb-93
 Cross Section -100.0 To 55.01 %

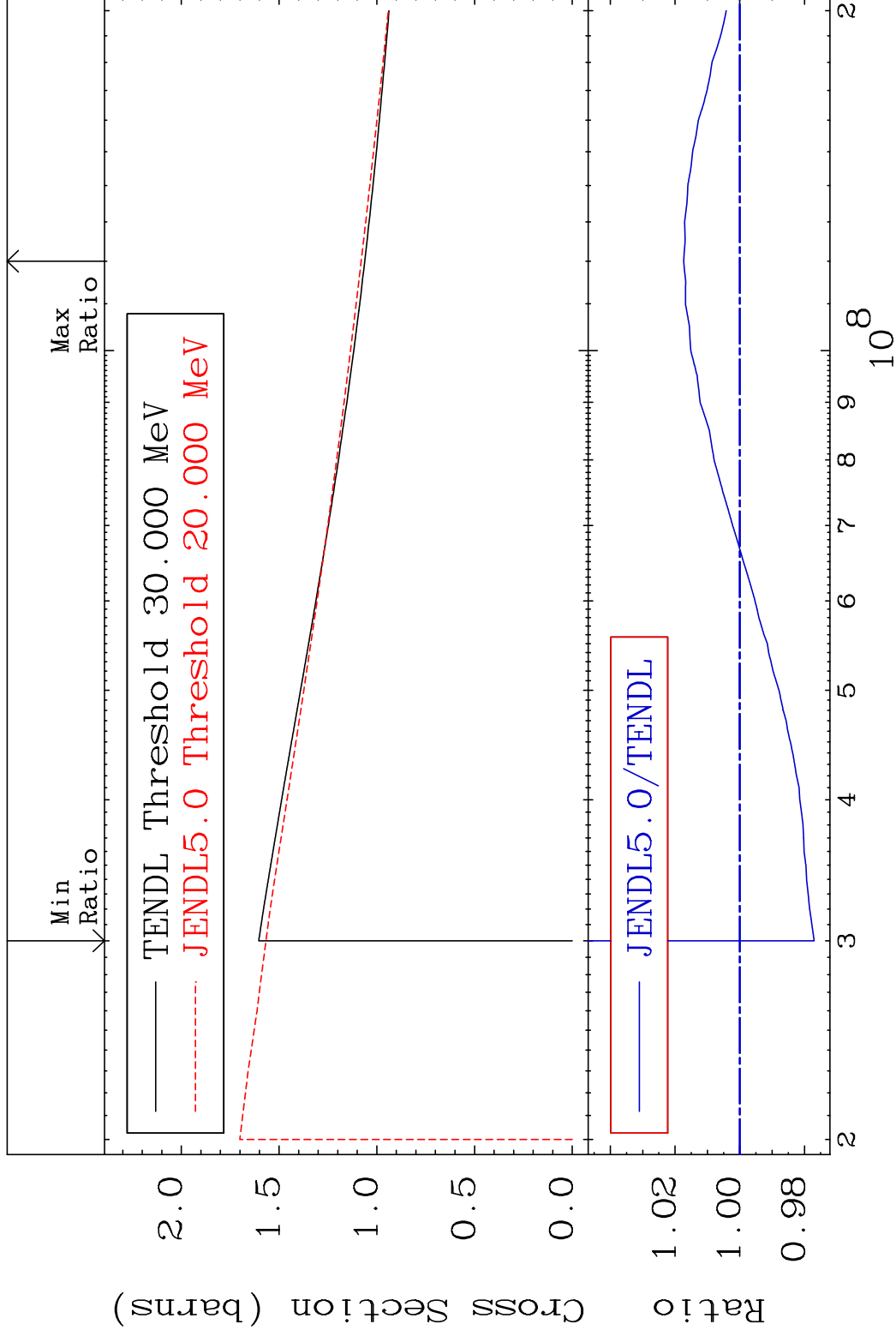


MAT 4125

(n, remainder)

41-Nb-93

Cross Section -2.298 To 1.734 %



4

Incident Energy (eV)

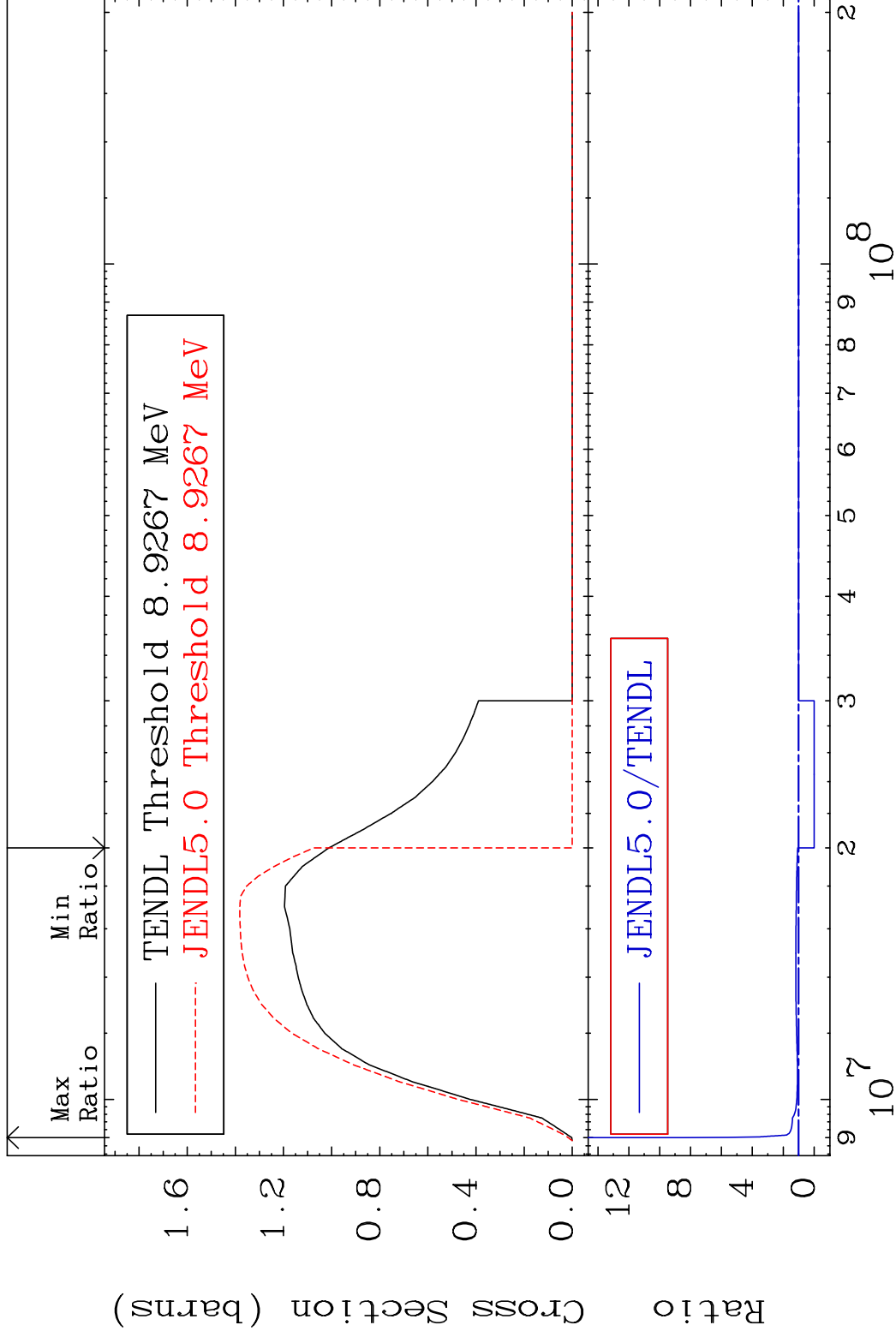
41-Nb-93

MAT 4125

(n,2n)

41-Nb-93

Cross Section -100.0 To 744.7 %



5

Incident Energy (eV)

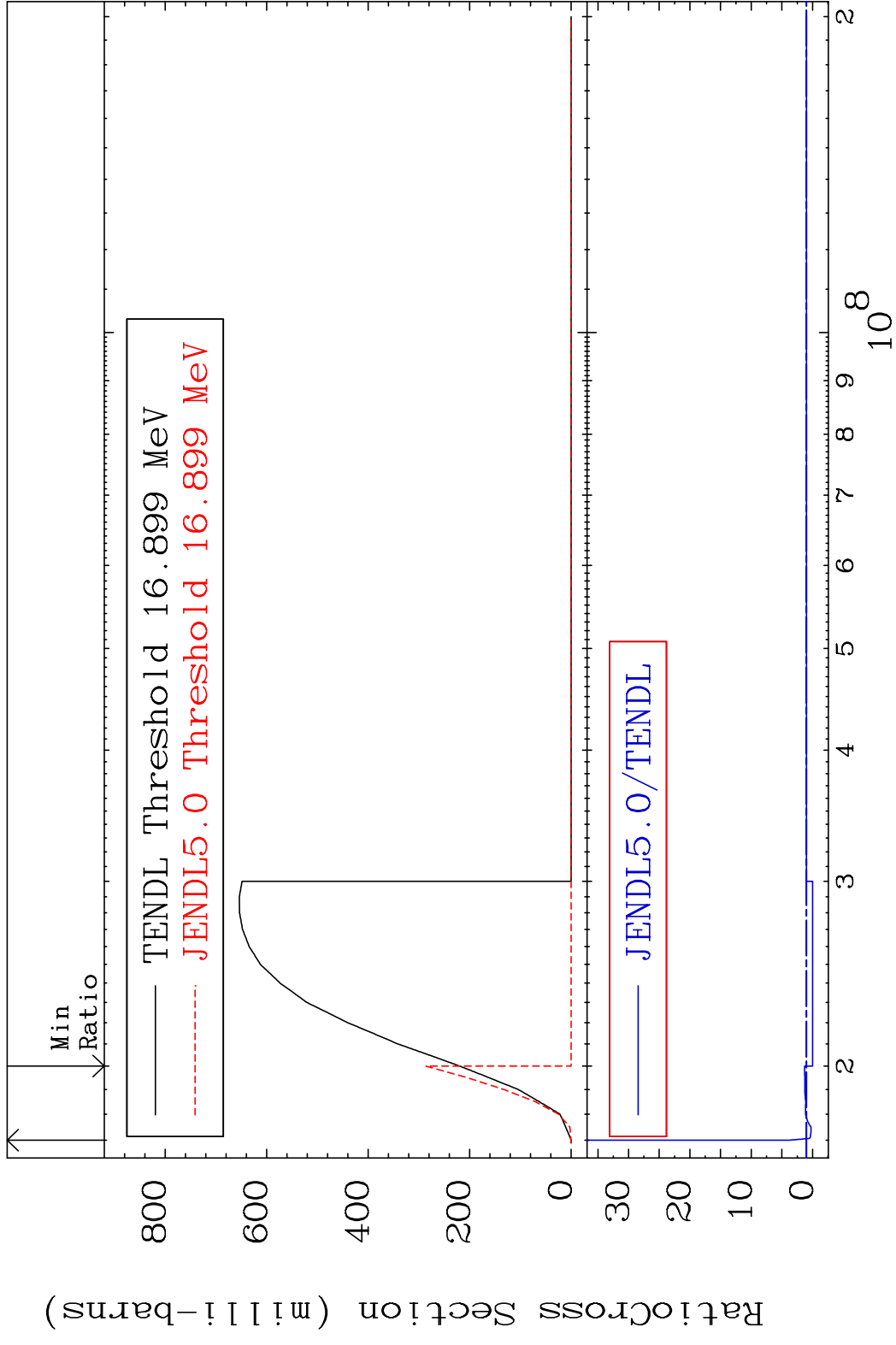
41-Nb-93

MAT 4125

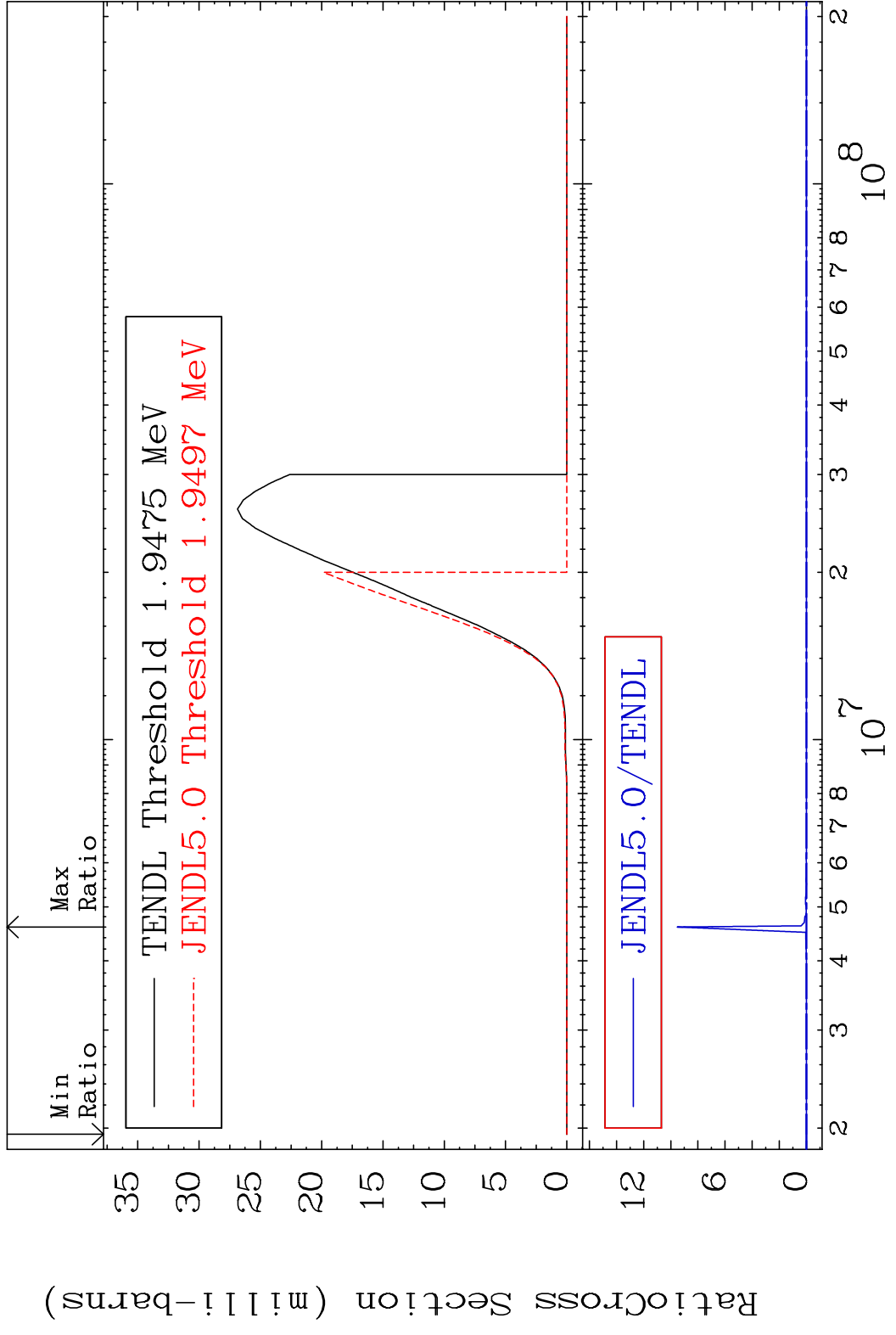
(n,3n)

41-Nb-93

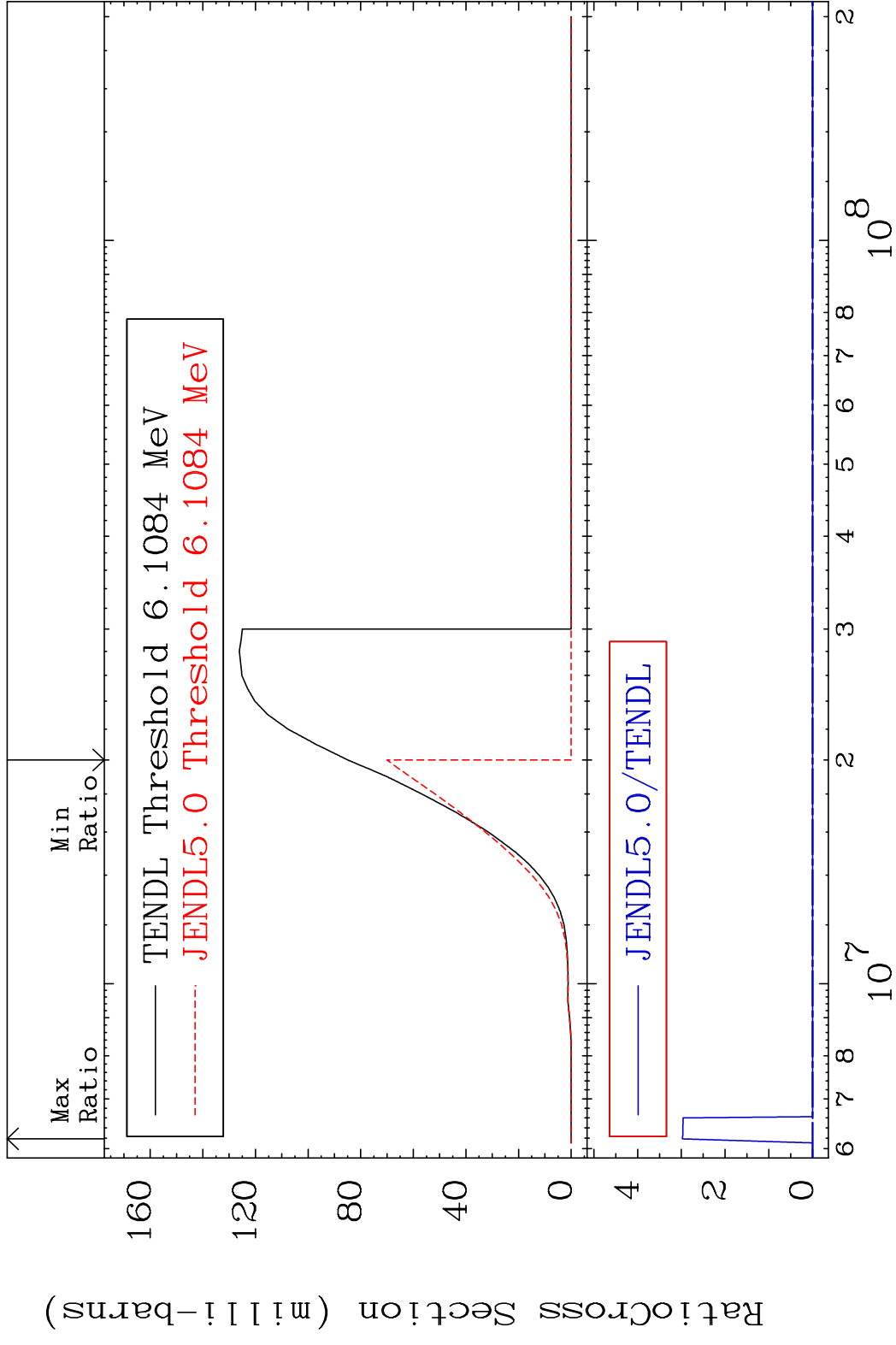
Cross Section -100.0 To 2023. %



MAT 4125 (n, n') α 41-Nb-93
 Cross Section -100.0 To 9999. %

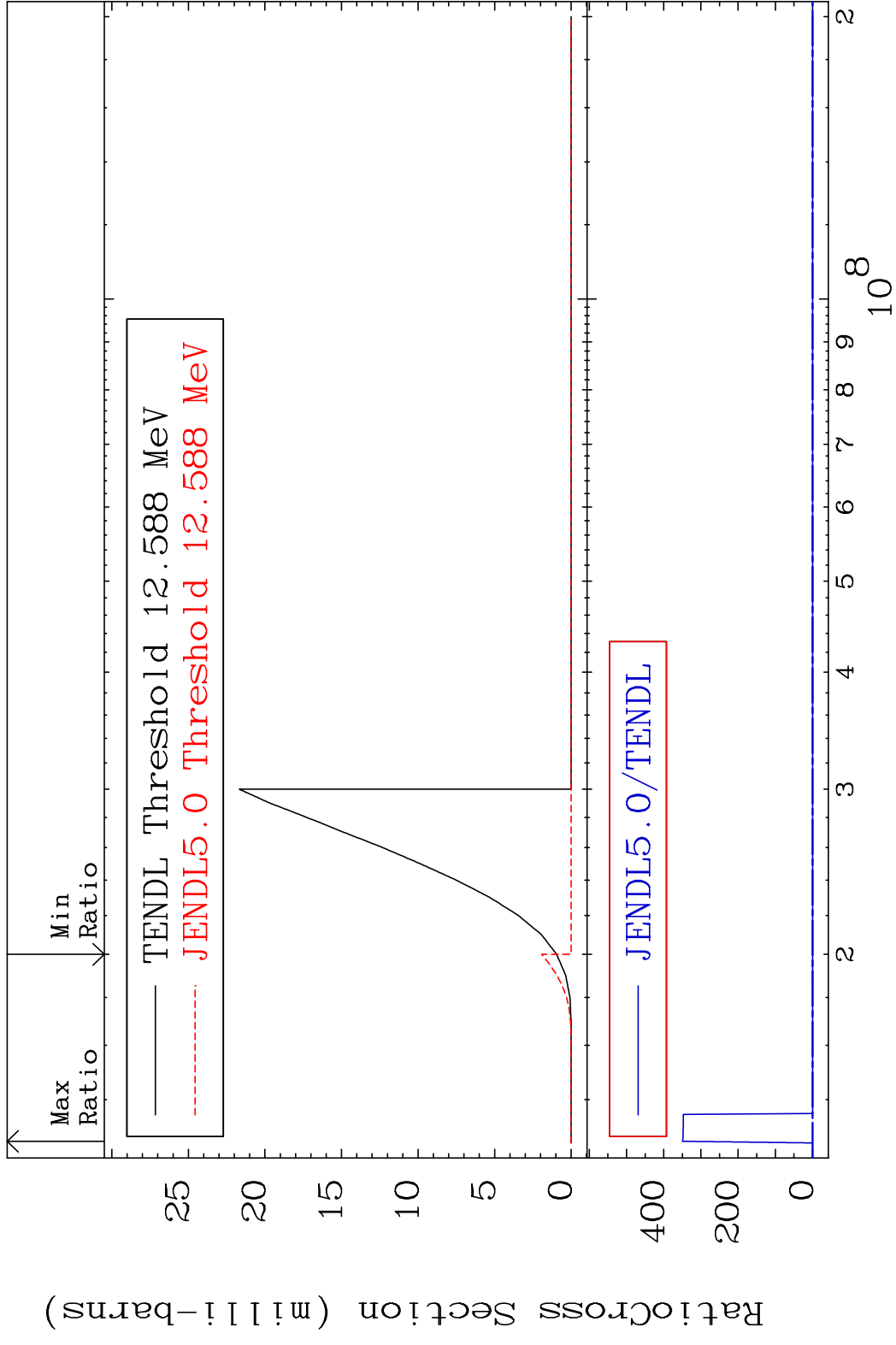


MAT 4125 (n, n') p 41-Nb-93
 Cross Section -100.0 To 9999. %

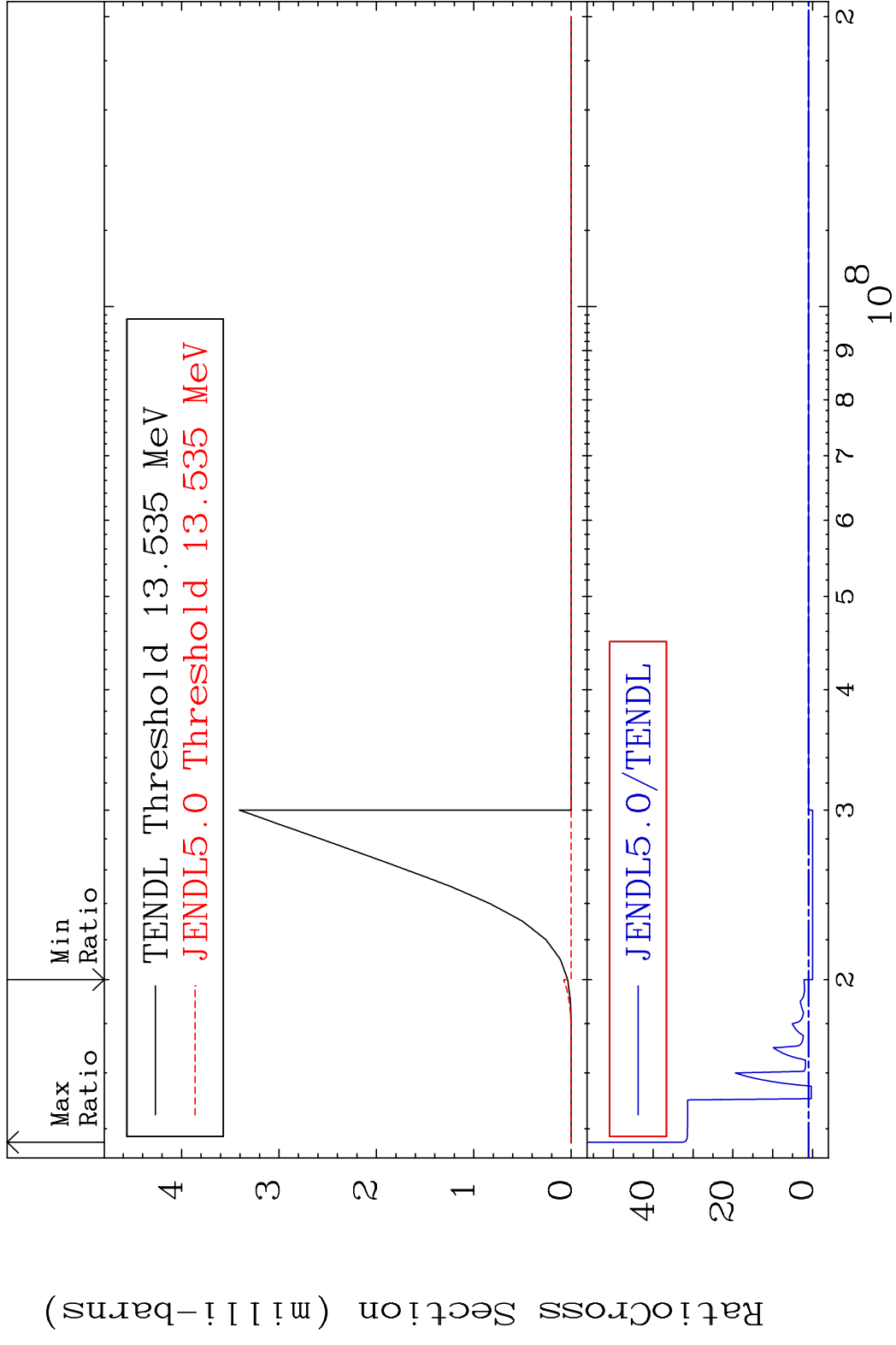


8 8 41-Nb-93

MAT 4125 (n, n') d 41-Nb-93
 Cross Section -100.0 To 9999. %

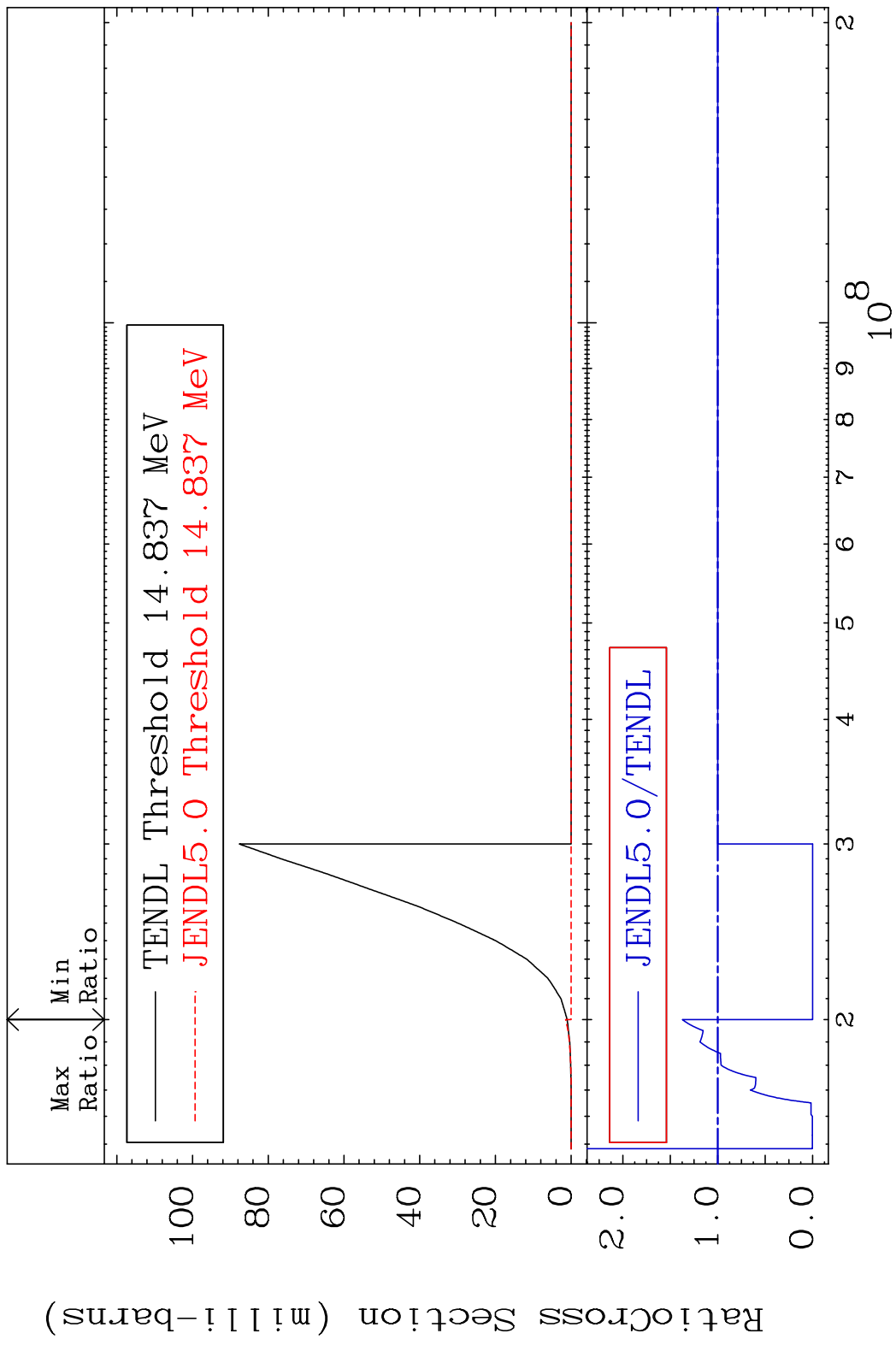


MAT 4125 (n, n') t 41-Nb-93
 Cross Section -100.0 To 3168. %

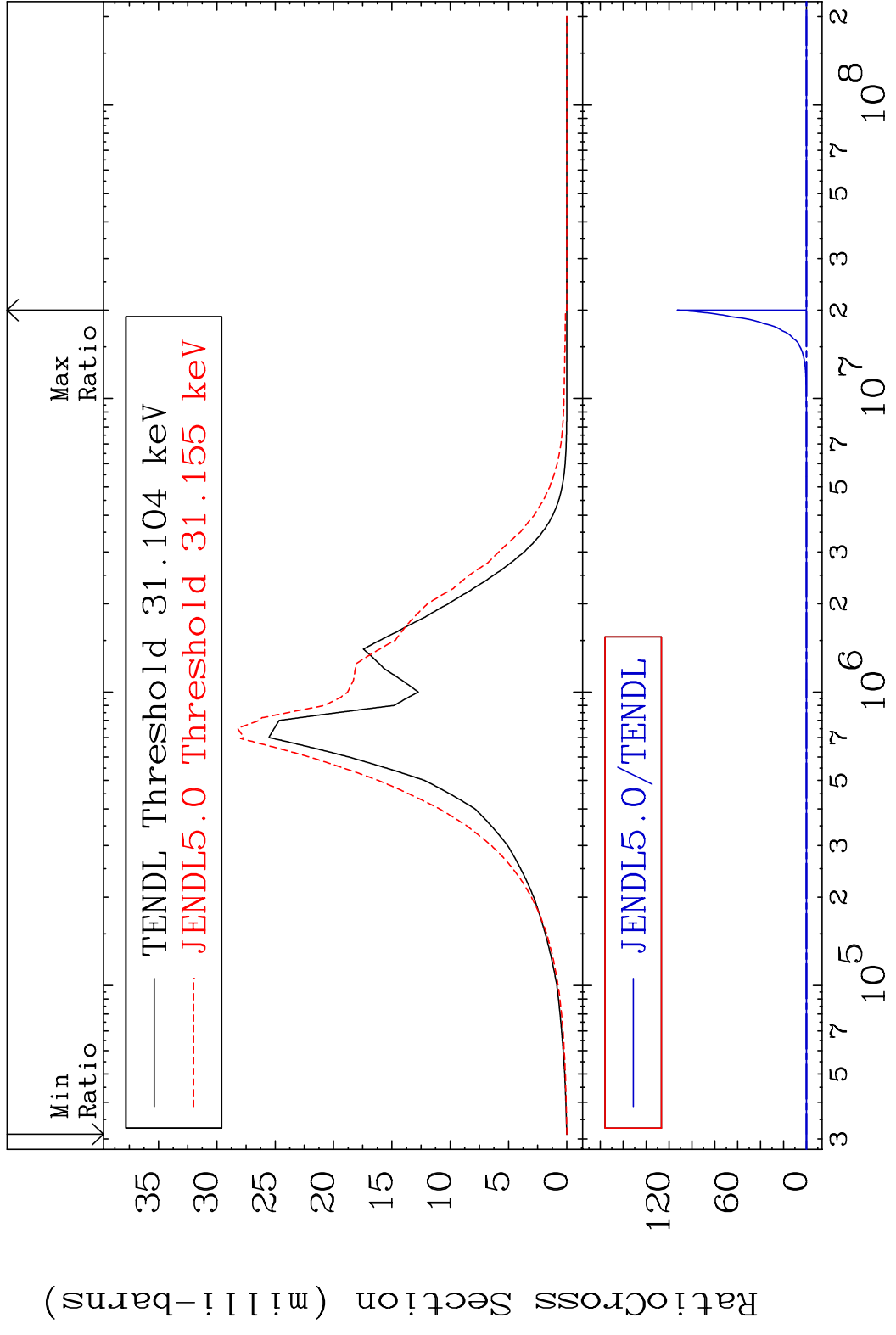


10 Incident Energy (eV) 41-Nb-93

MAT 4125 (n,2n) p 41-Nb-93
 Cross Section -100.0 To 37.28 %

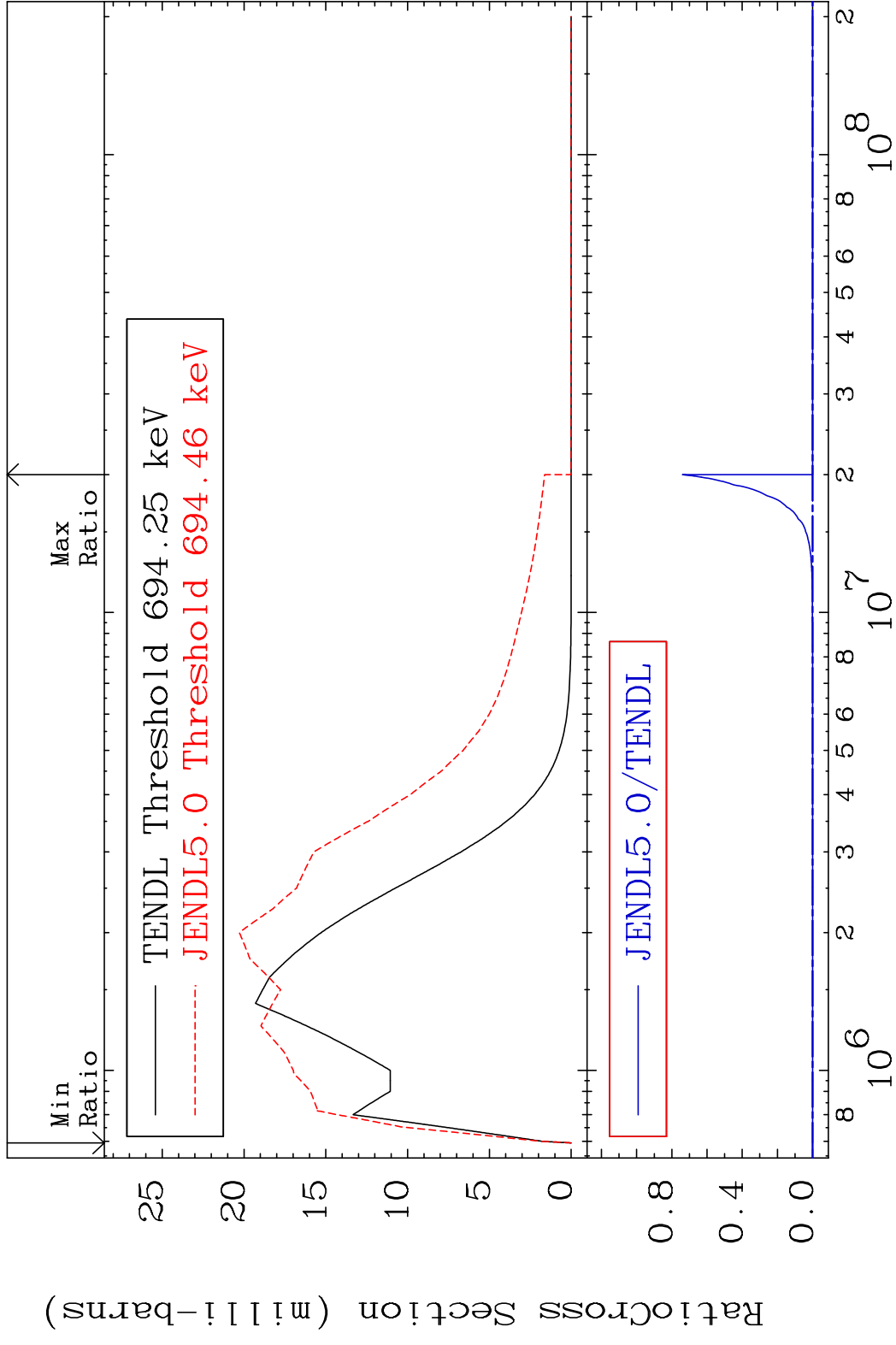


MAT 4125 MT= 51 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %

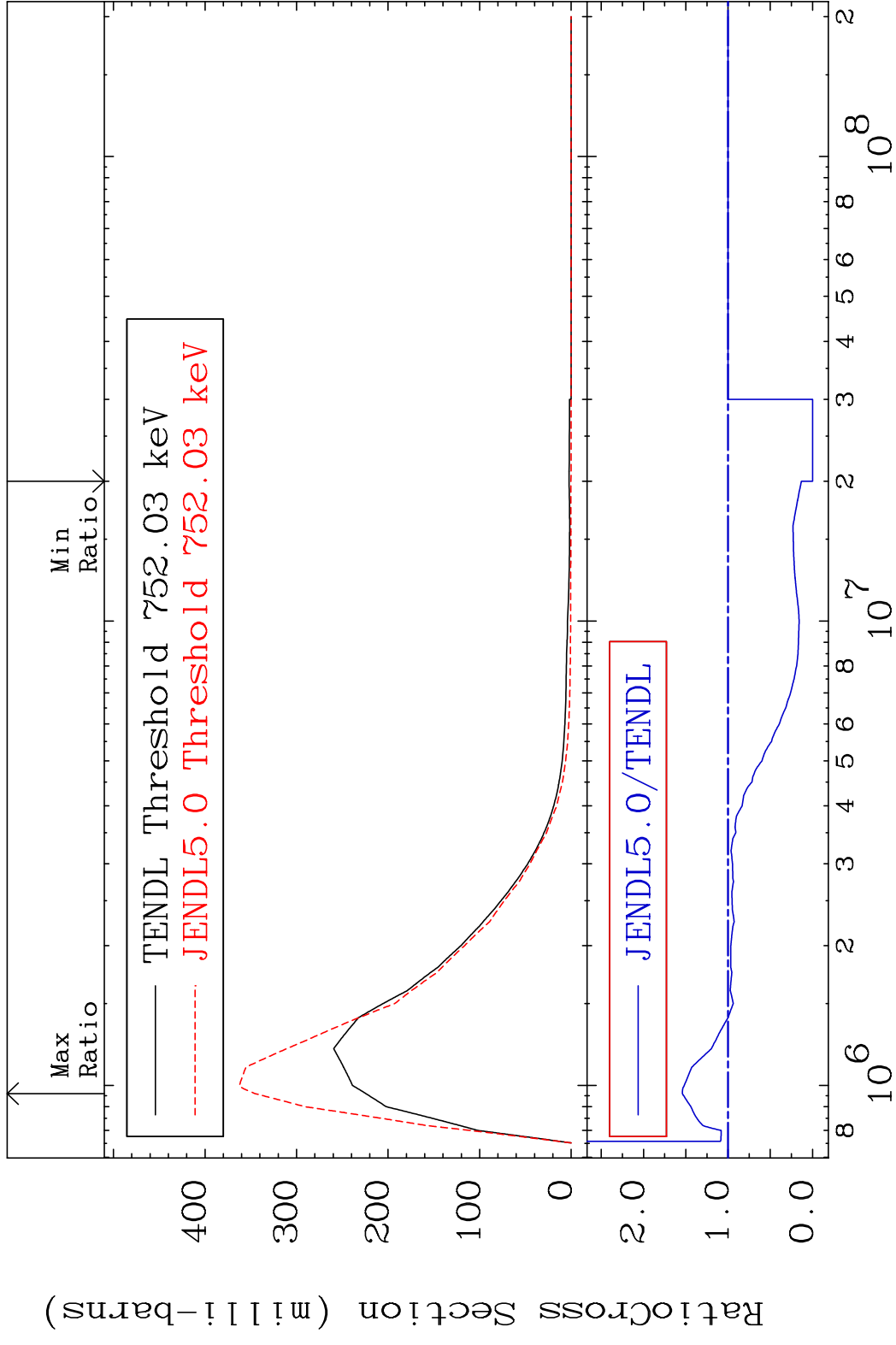


12 41-Nb-93

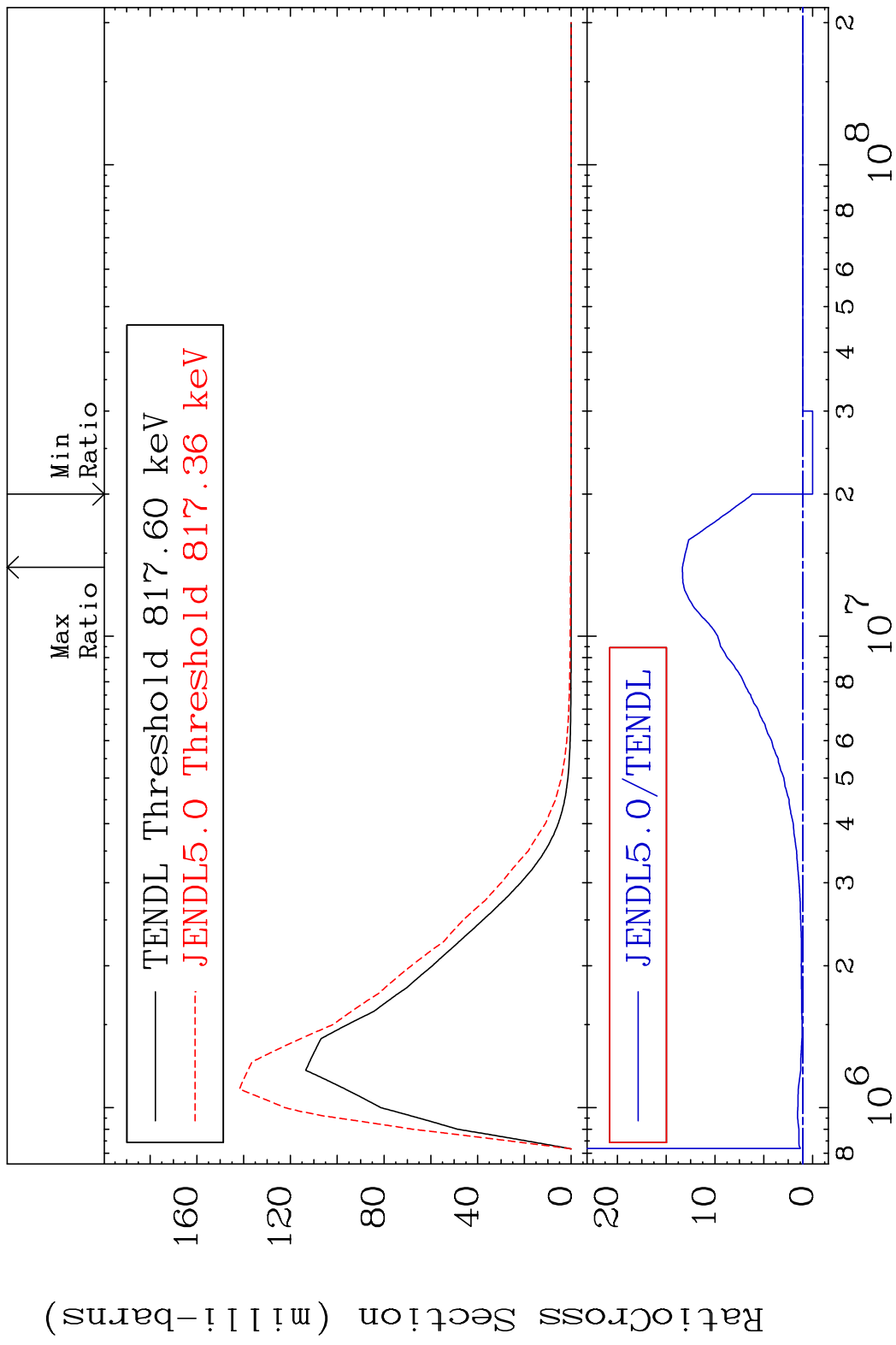
MAT 4125 MT= 52 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %



MAT 4125 MT= 53 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 54.05 %

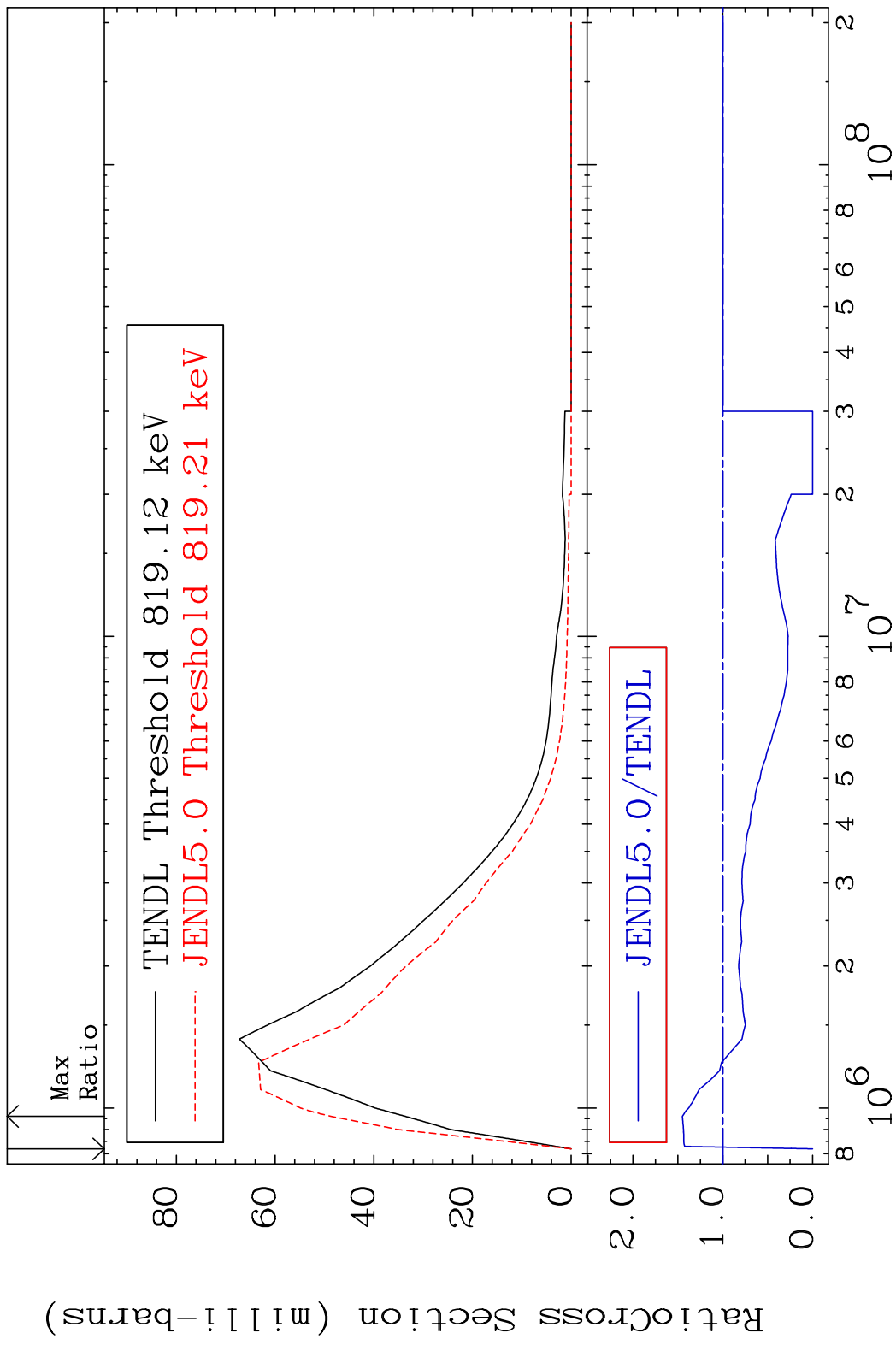


MAT 4125 MT= 54 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 1234. %



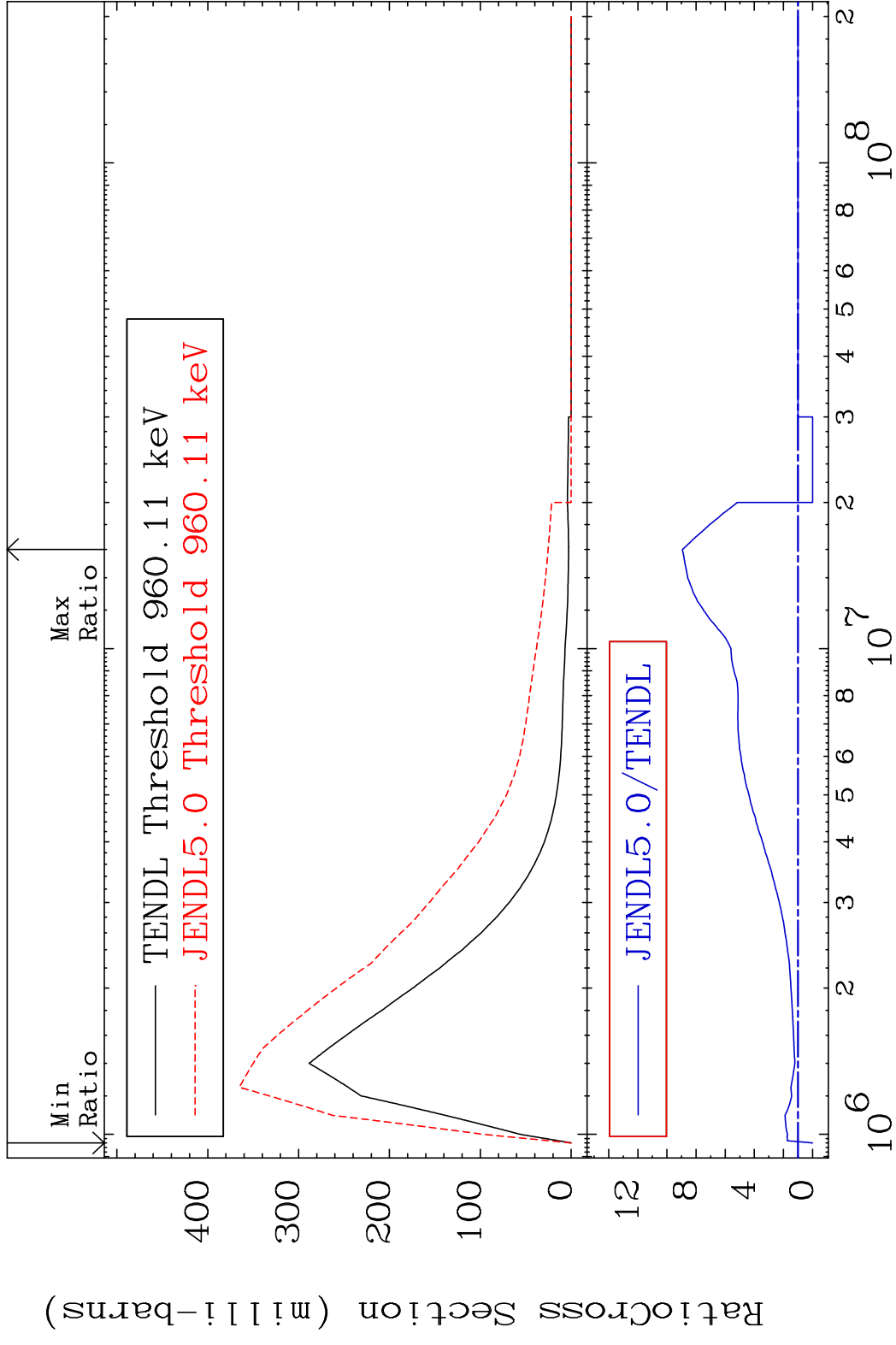
15 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 55 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 45.00 %



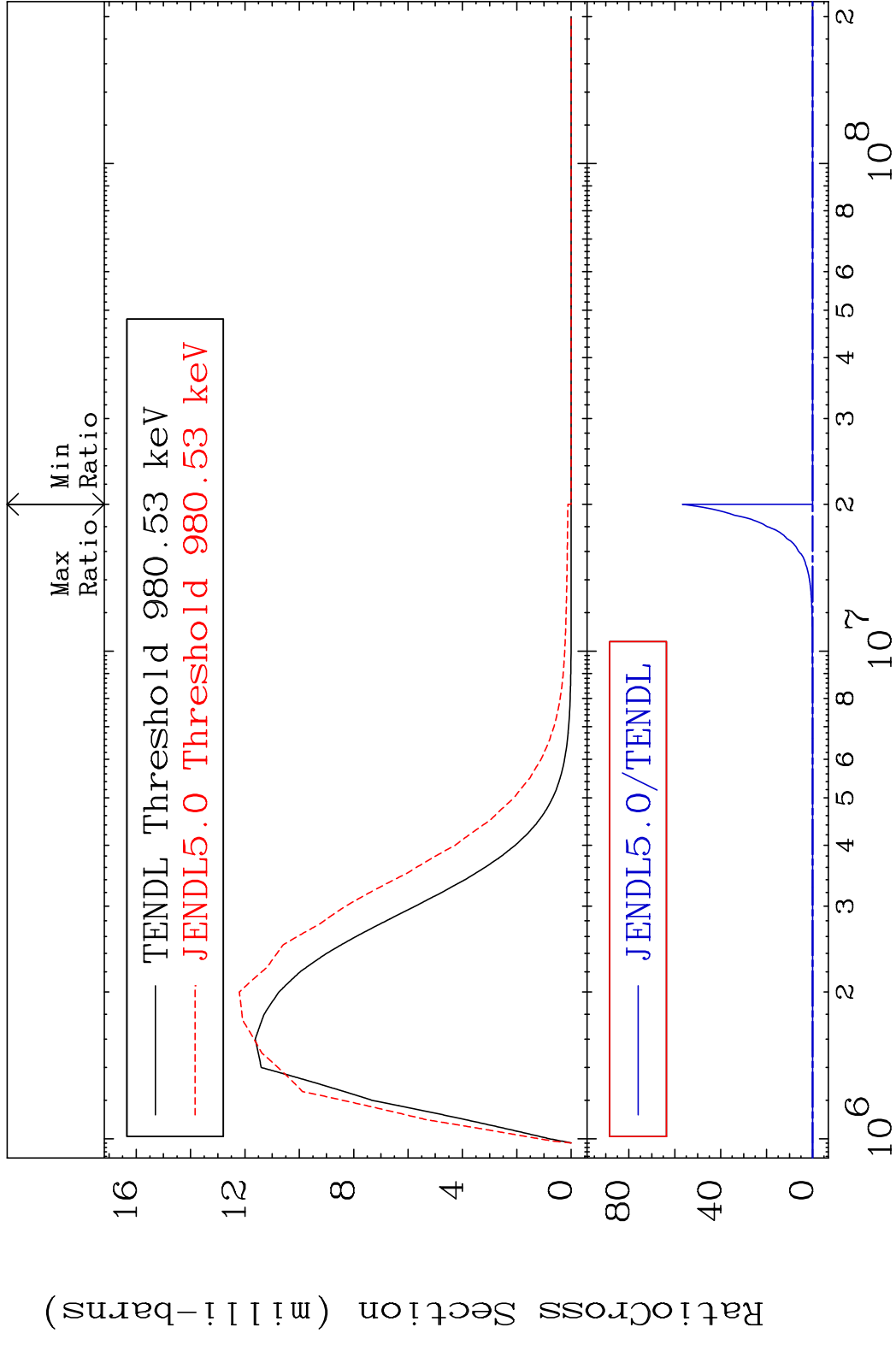
16 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 56 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 794.2 %



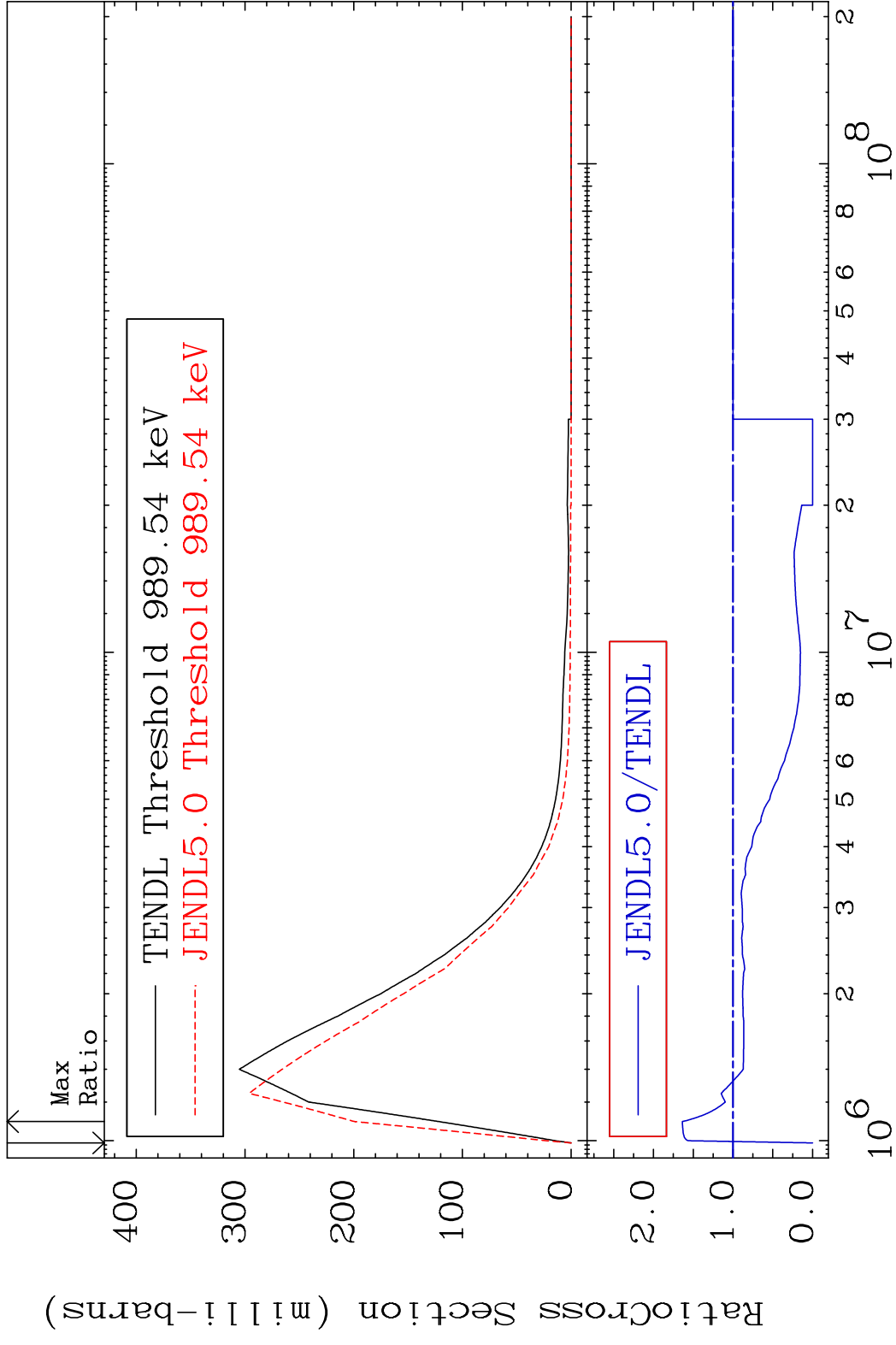
17 41-Nb-93

MAT 4125 MT= 57 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %



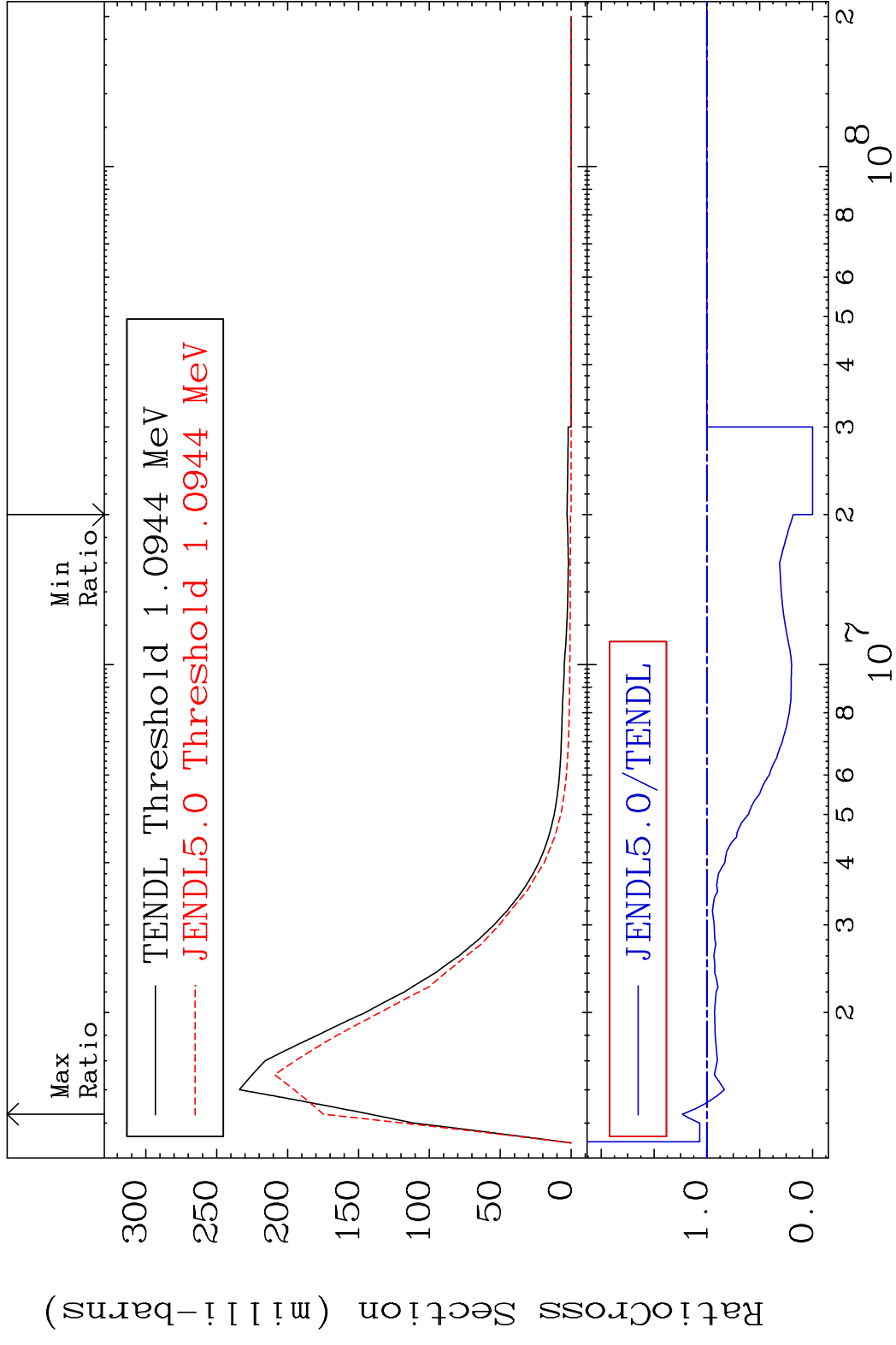
18 41-Nb-93

MAT 4125 MT= 58 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 63.71 %



19 19 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 59 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 23.22 %

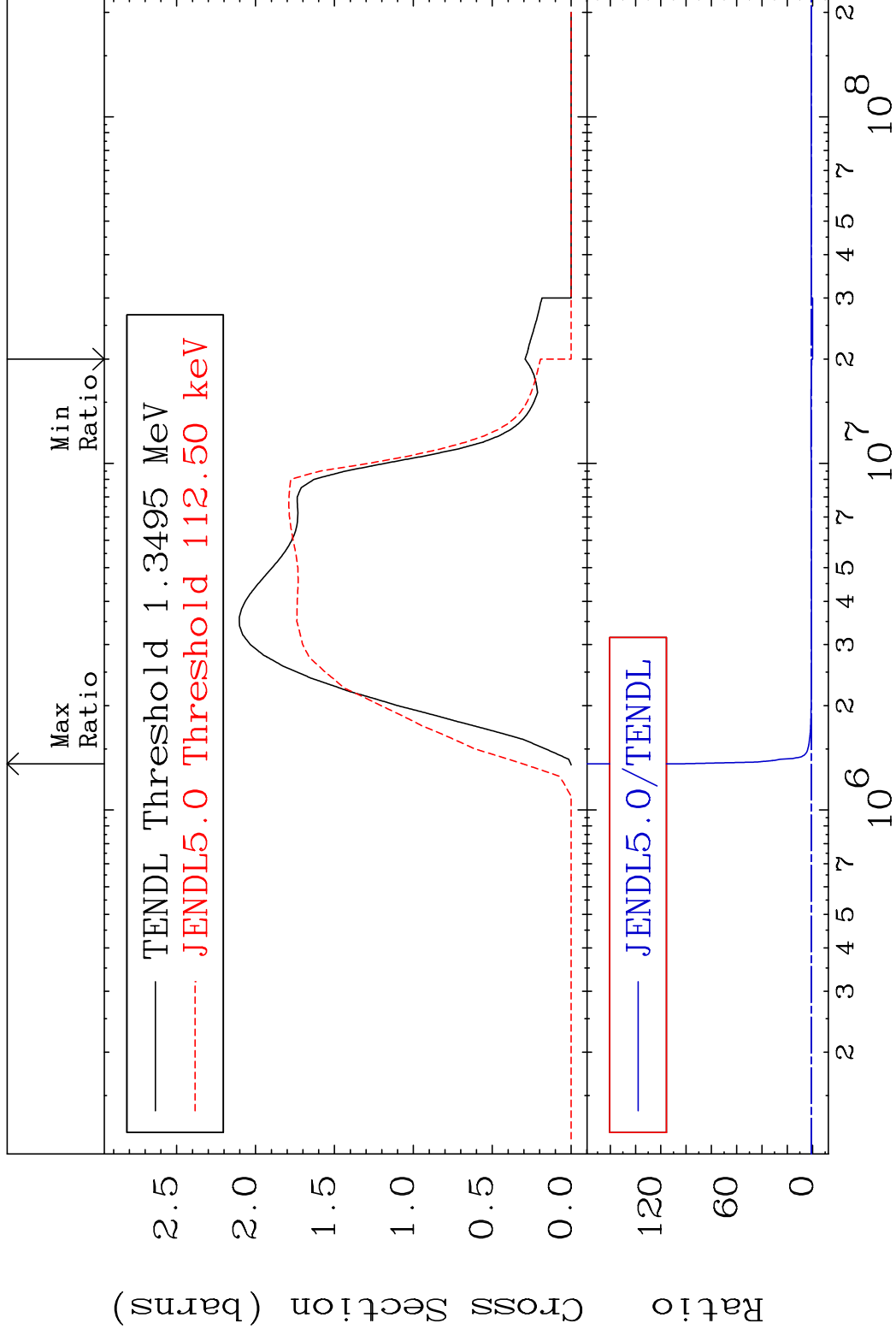


MAT 4125

(n, n') Continuum

41-Nb-93

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

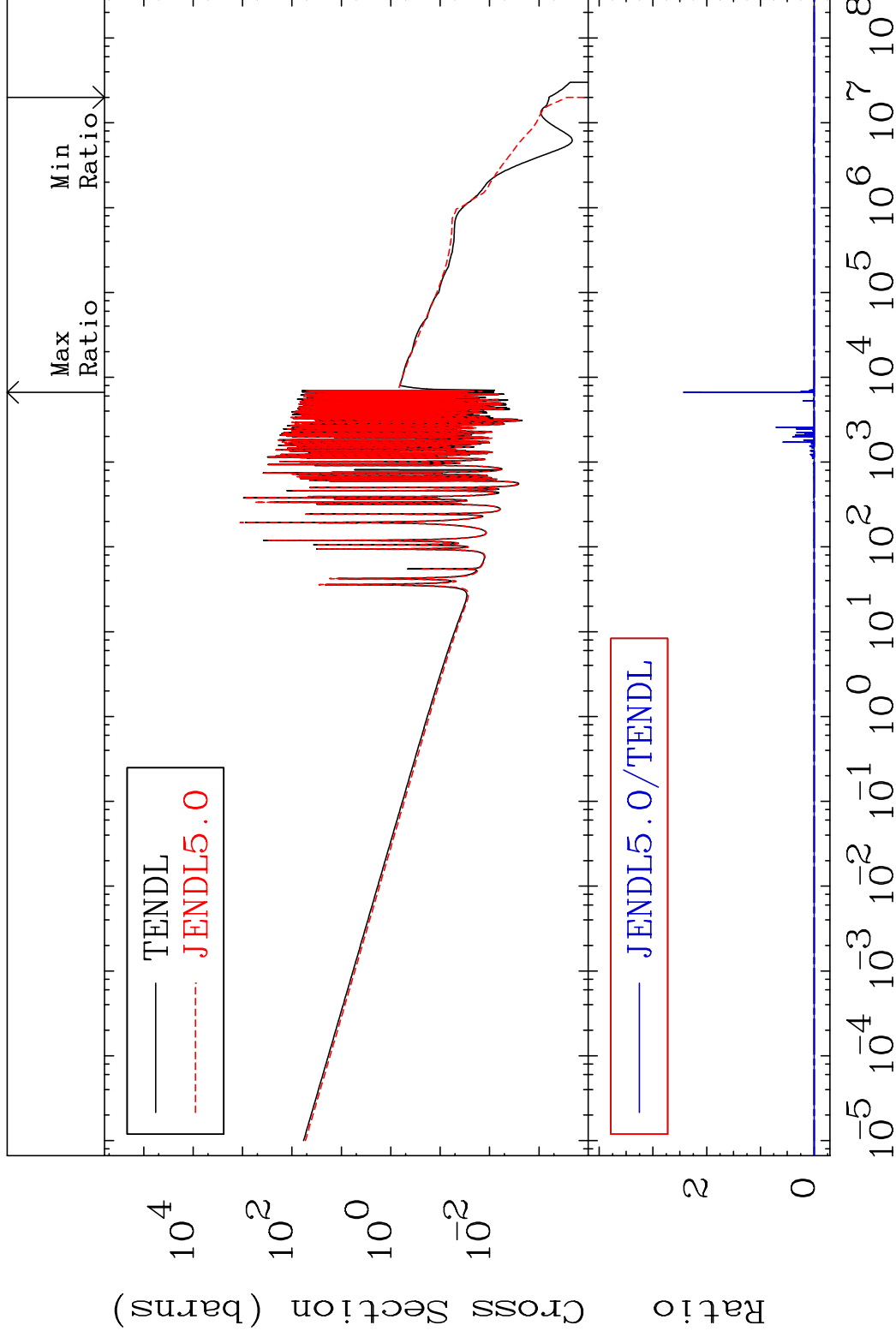
41-Nb-93

MAT 4125

(n, γ)

41-Nb-93

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

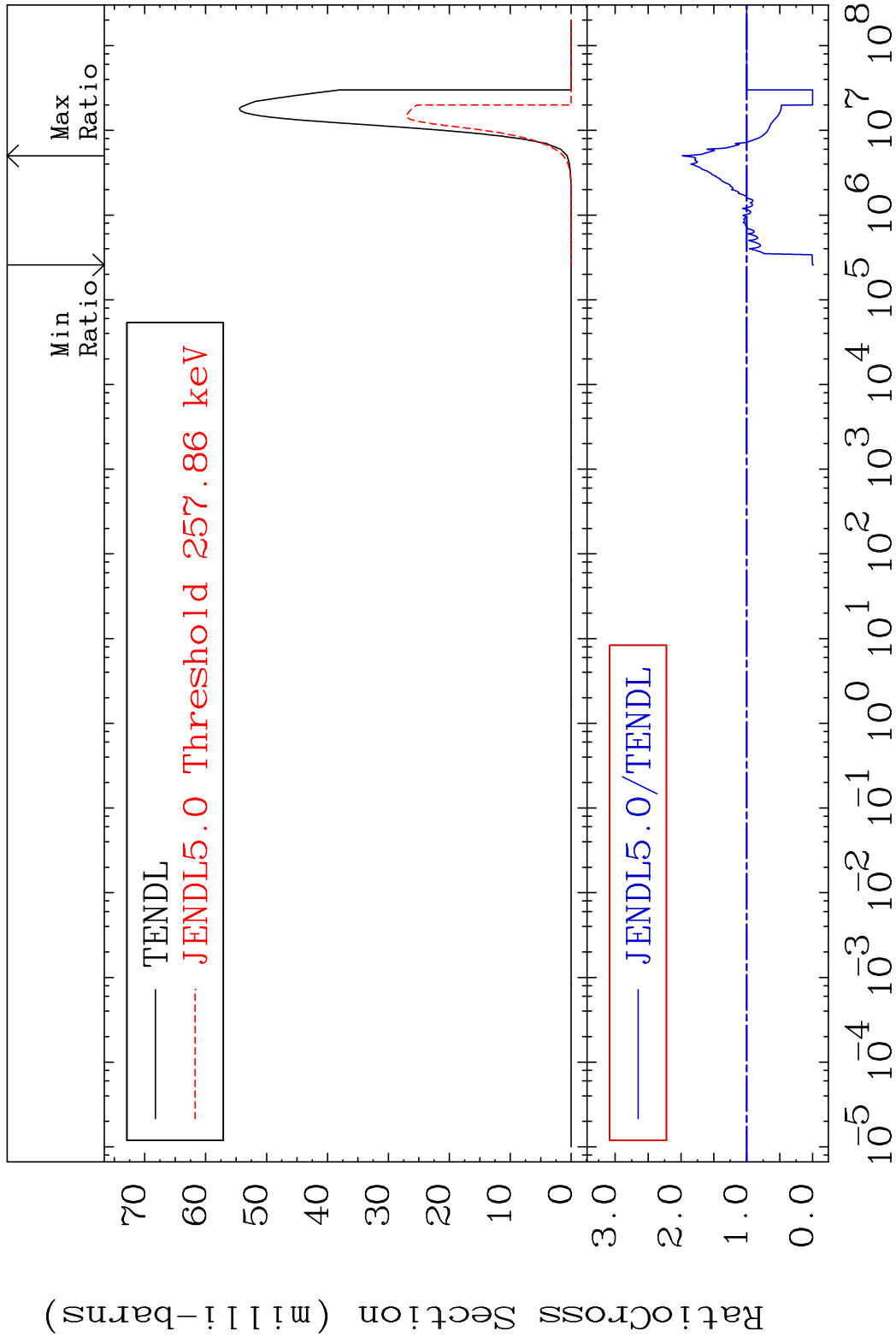
41-Nb-93

MAT 4125

(n, p)

41-Nb-93

Cross Section -100.0 To 97.93 %



23

Incident Energy (eV)

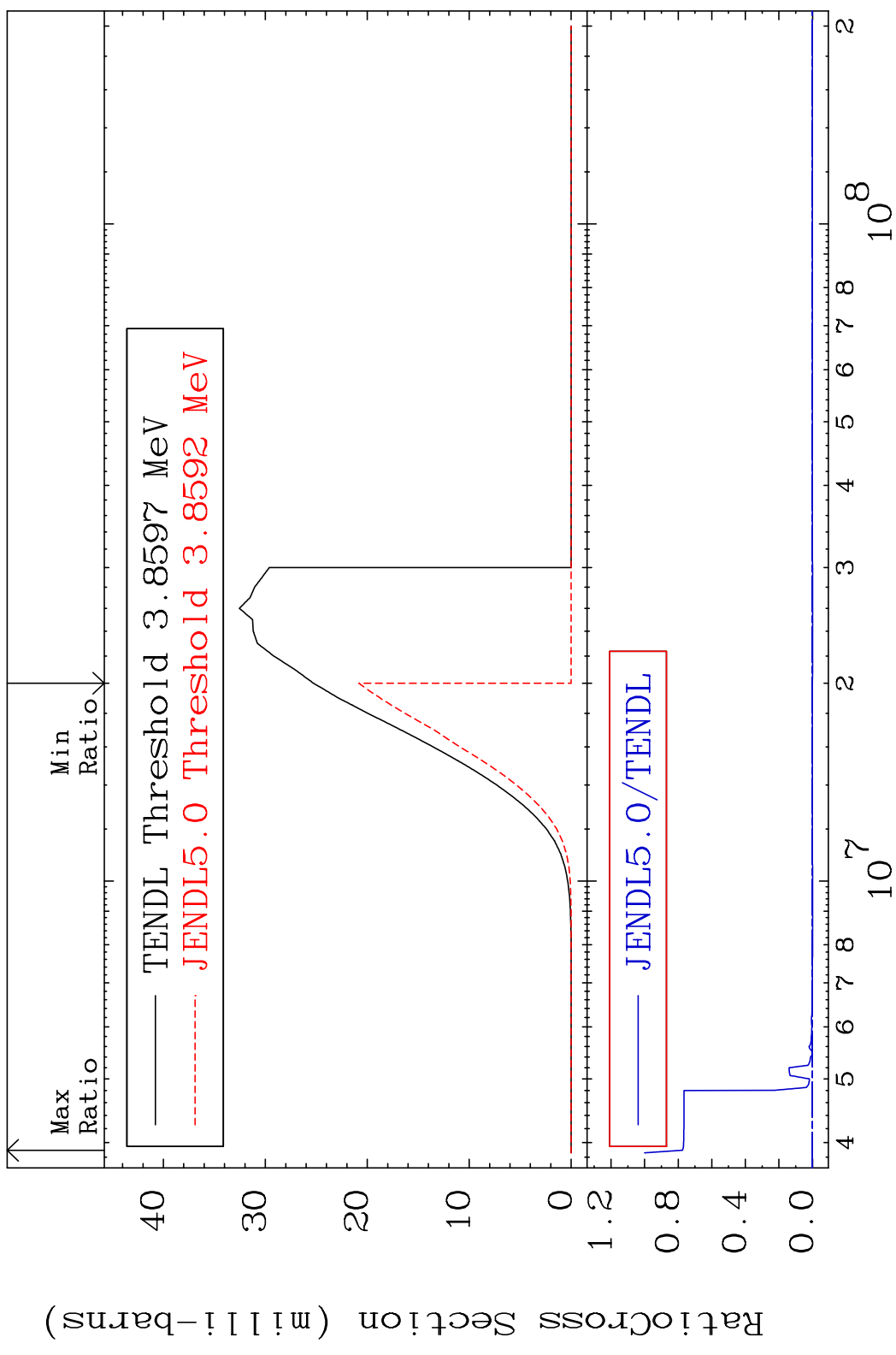
41-Nb-93

MAT 4125

(n, d)

41-Nb-93

Cross Section -100.0 To 9999. %

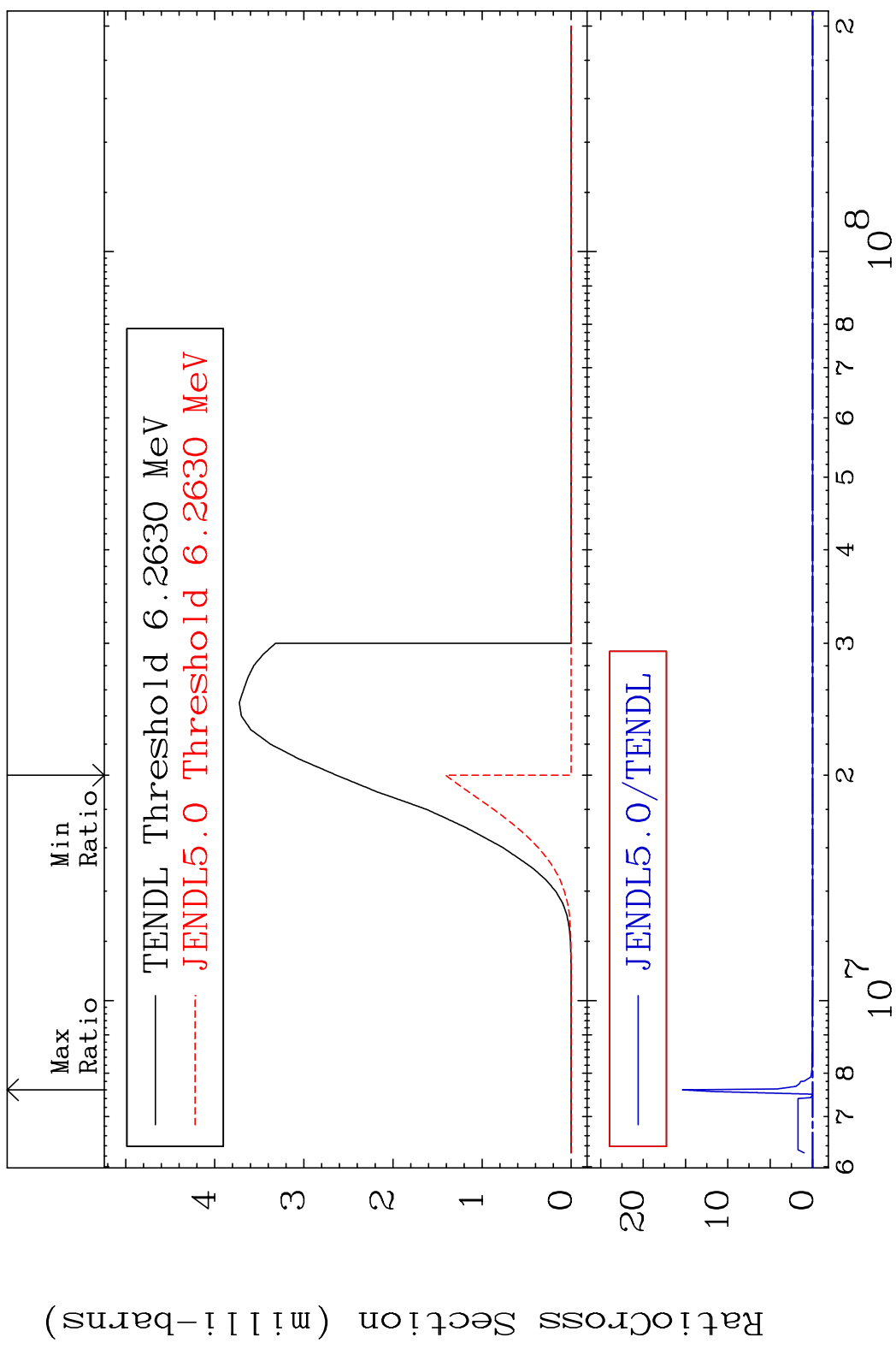


MAT 4125

(n, t)

41-Nb-93

Cross Section -100.0 To 9999. %

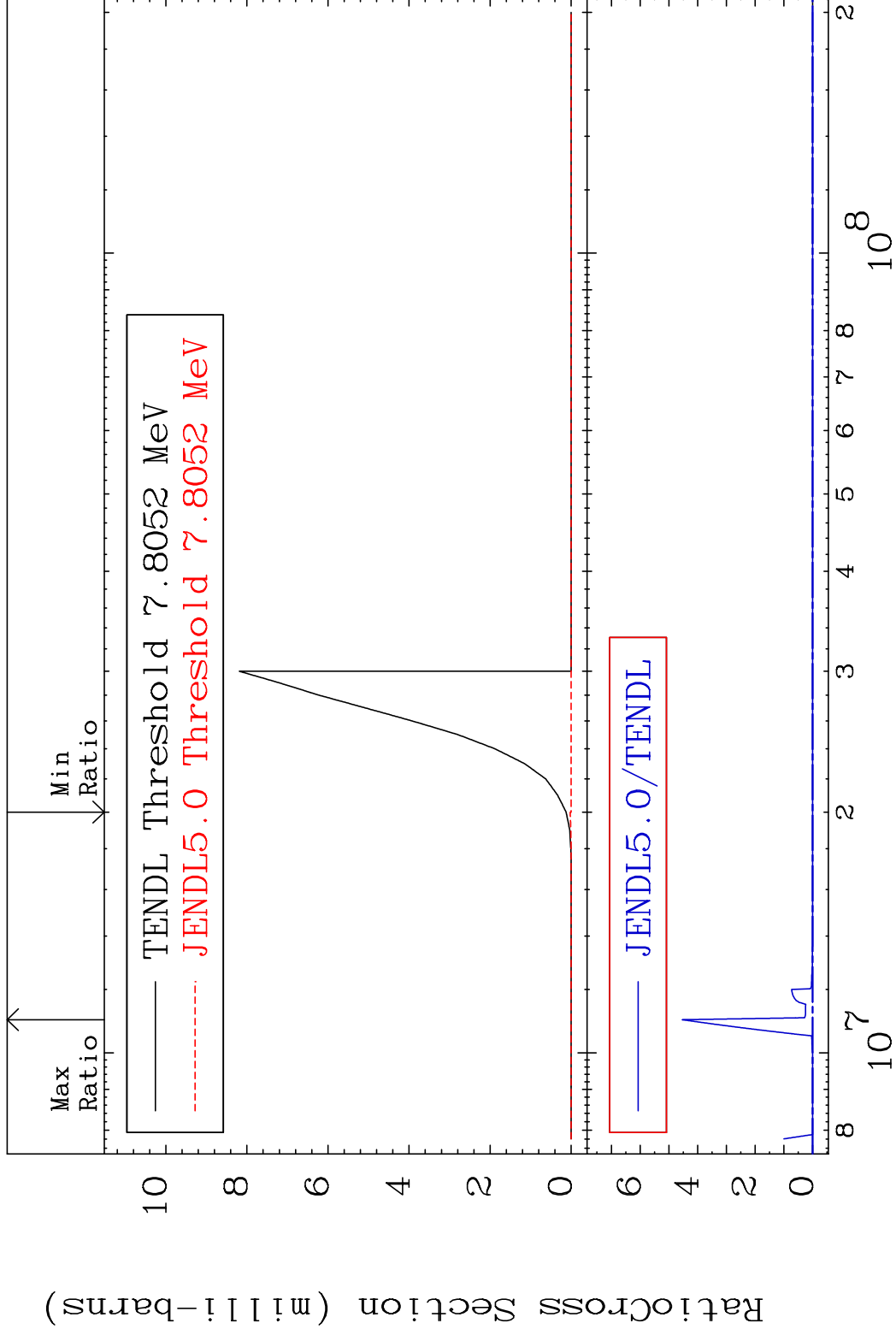


MAT 4125

(n, He-3)

41-Nb-93

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

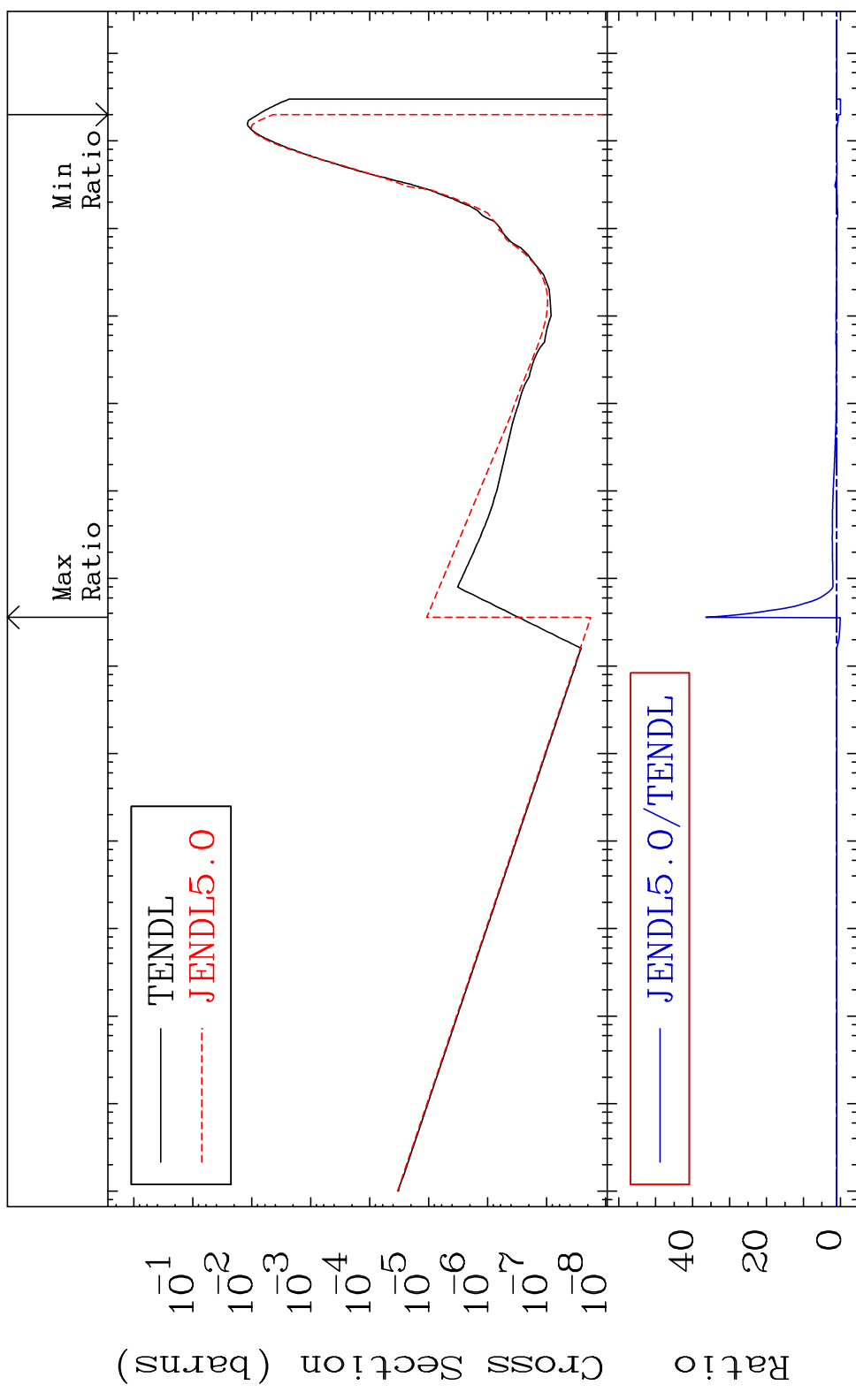
41-Nb-93

MAT 4125

(n, α)

41-Nb-93

Cross Section -100.0 To 3544. %



27

Incident Energy (eV)

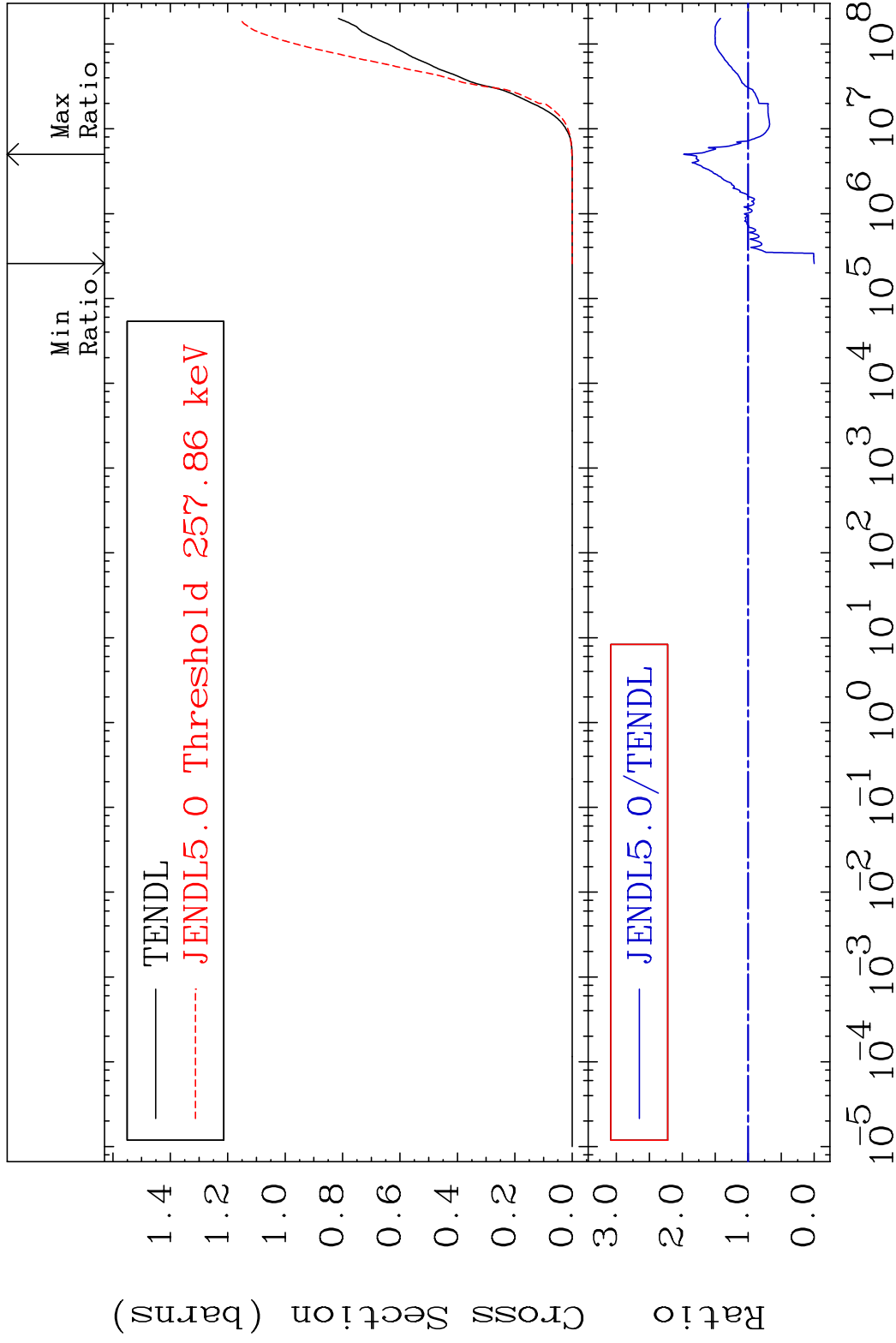
41-Nb-93

MAT 4125

Hydrogen Production

41-Nb-93

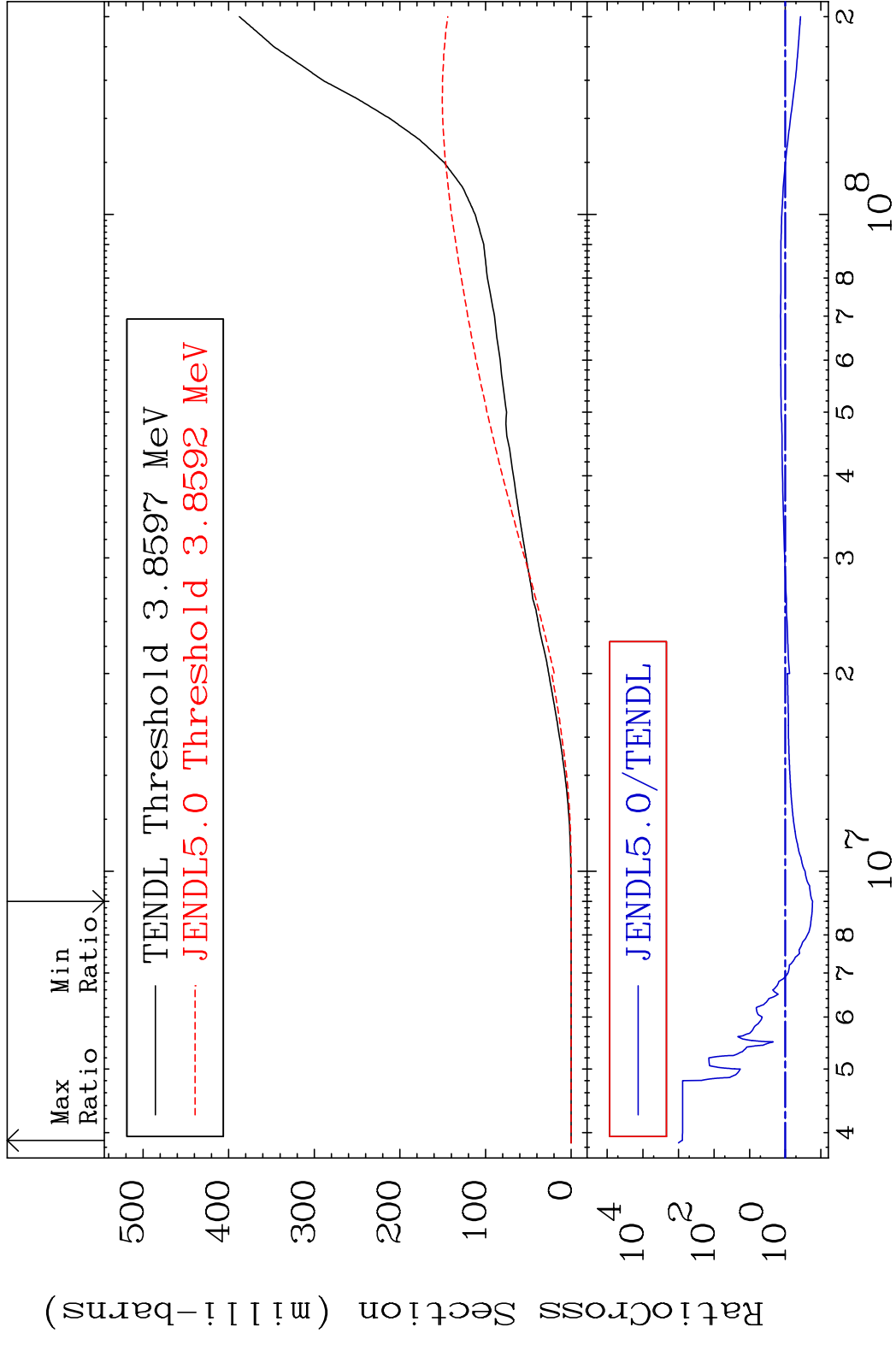
Cross Section -100.0 To 97.93 %



28

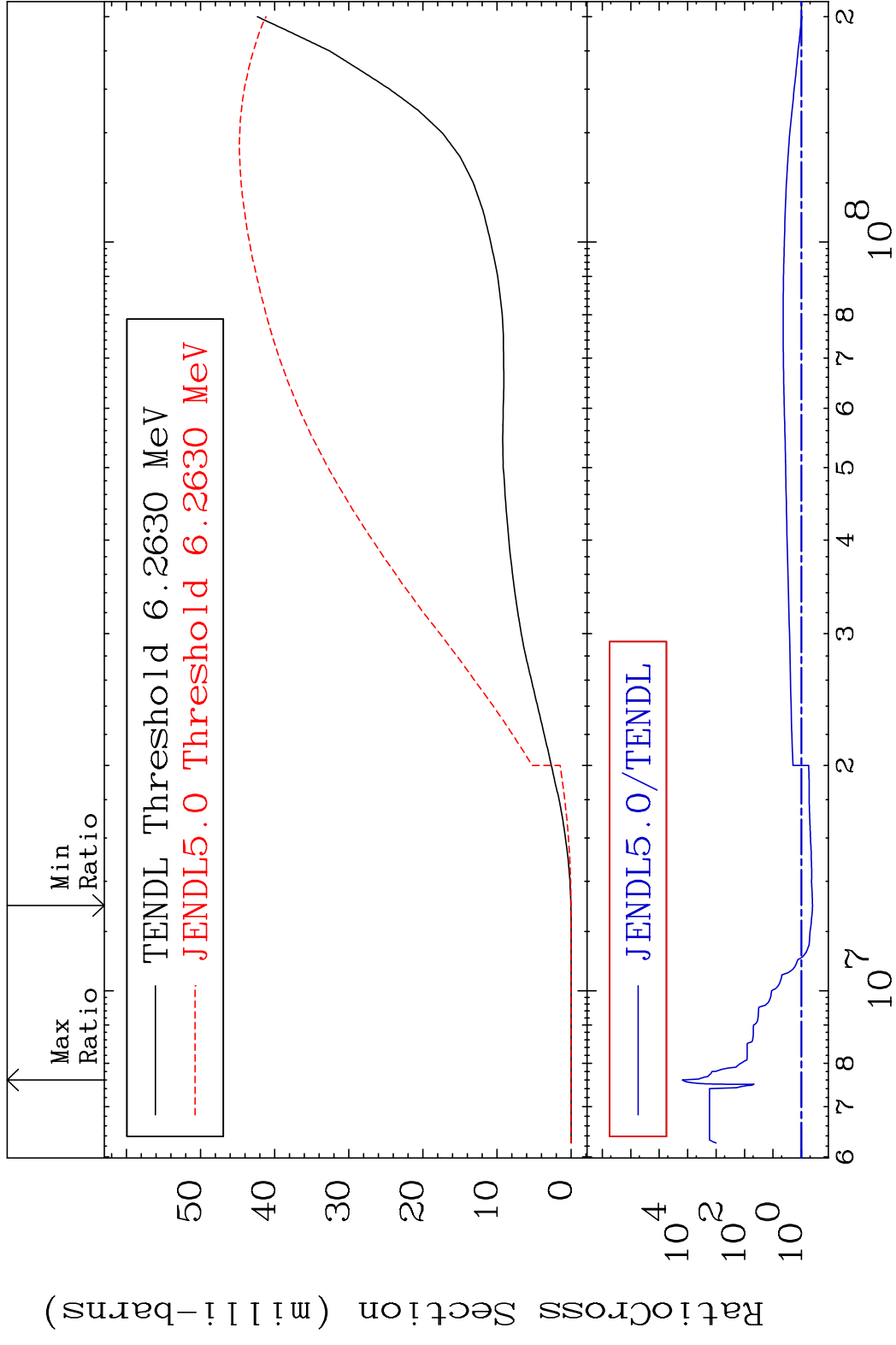
Incident Energy (eV)

41-Nb-93



MAT 4125

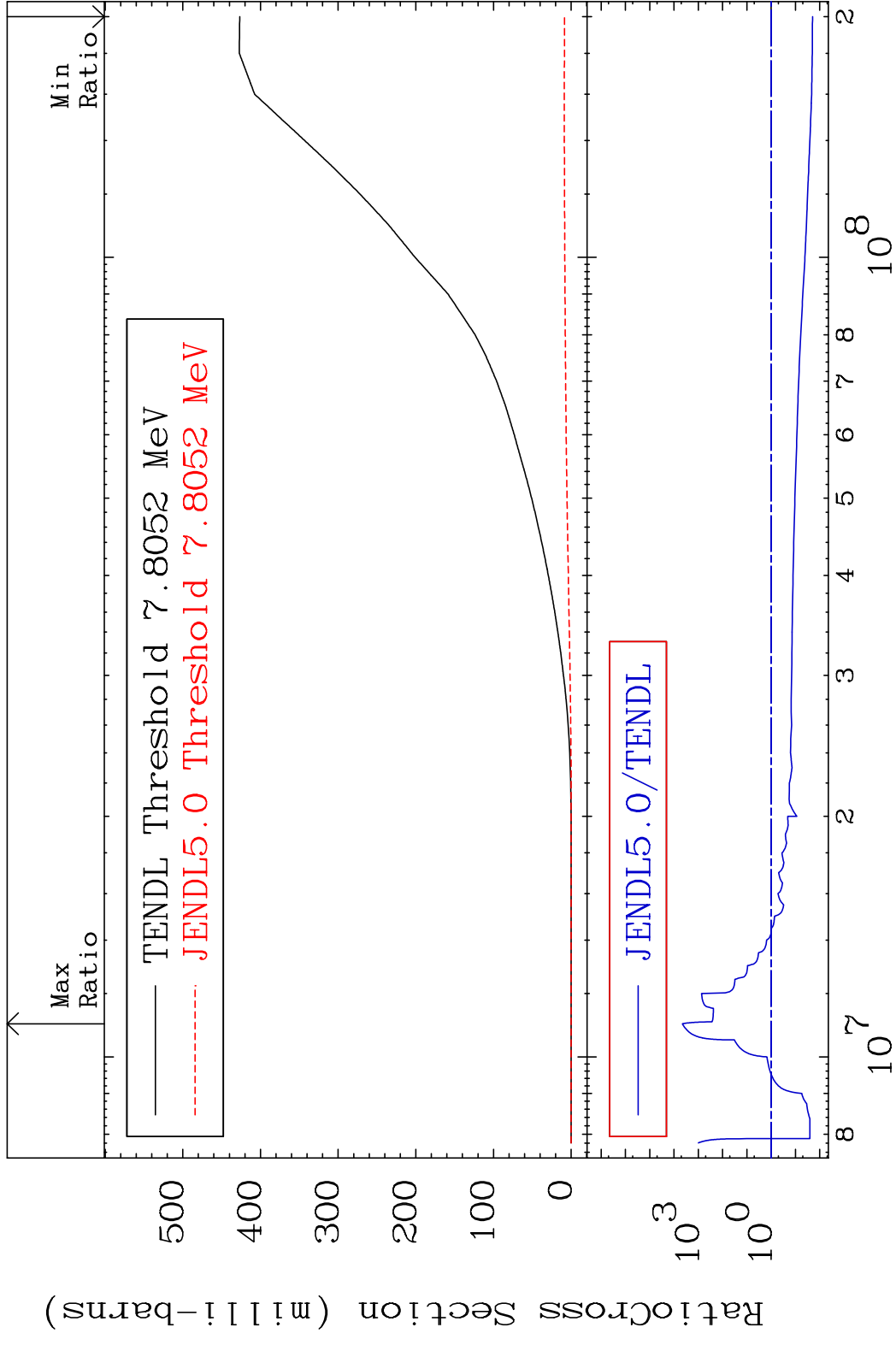
Tritium Production 41-Nb-93
Cross Section -59.31 To 9999. %



30

Incident Energy (eV) 41-Nb-93

MAT 4125 He-3 Production 41-Nb-93
 Cross Section -98.02 To 9999. %

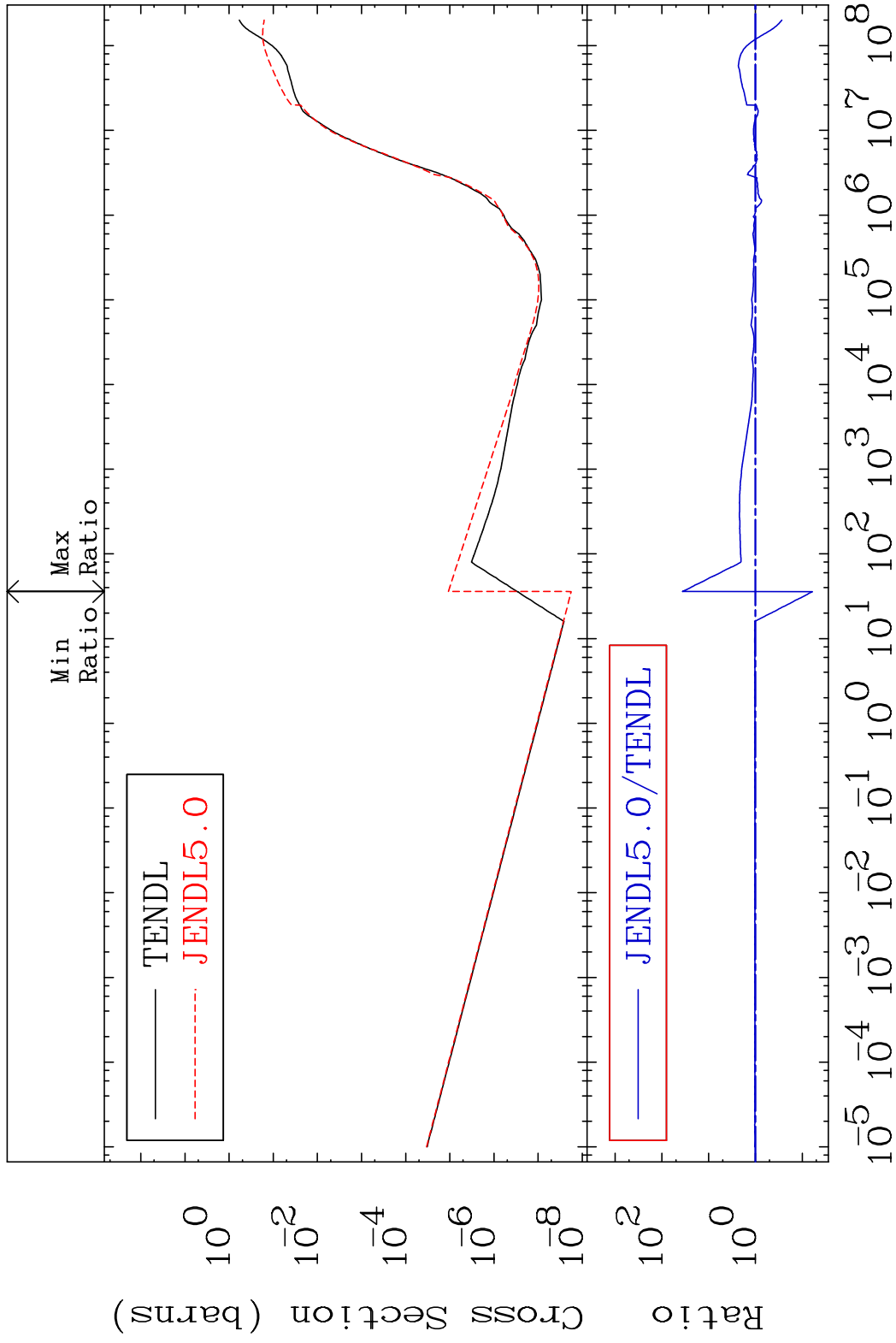


MAT 4125

He-4 Production

41-Nb-93

Cross Section -93.98 To 3544. %

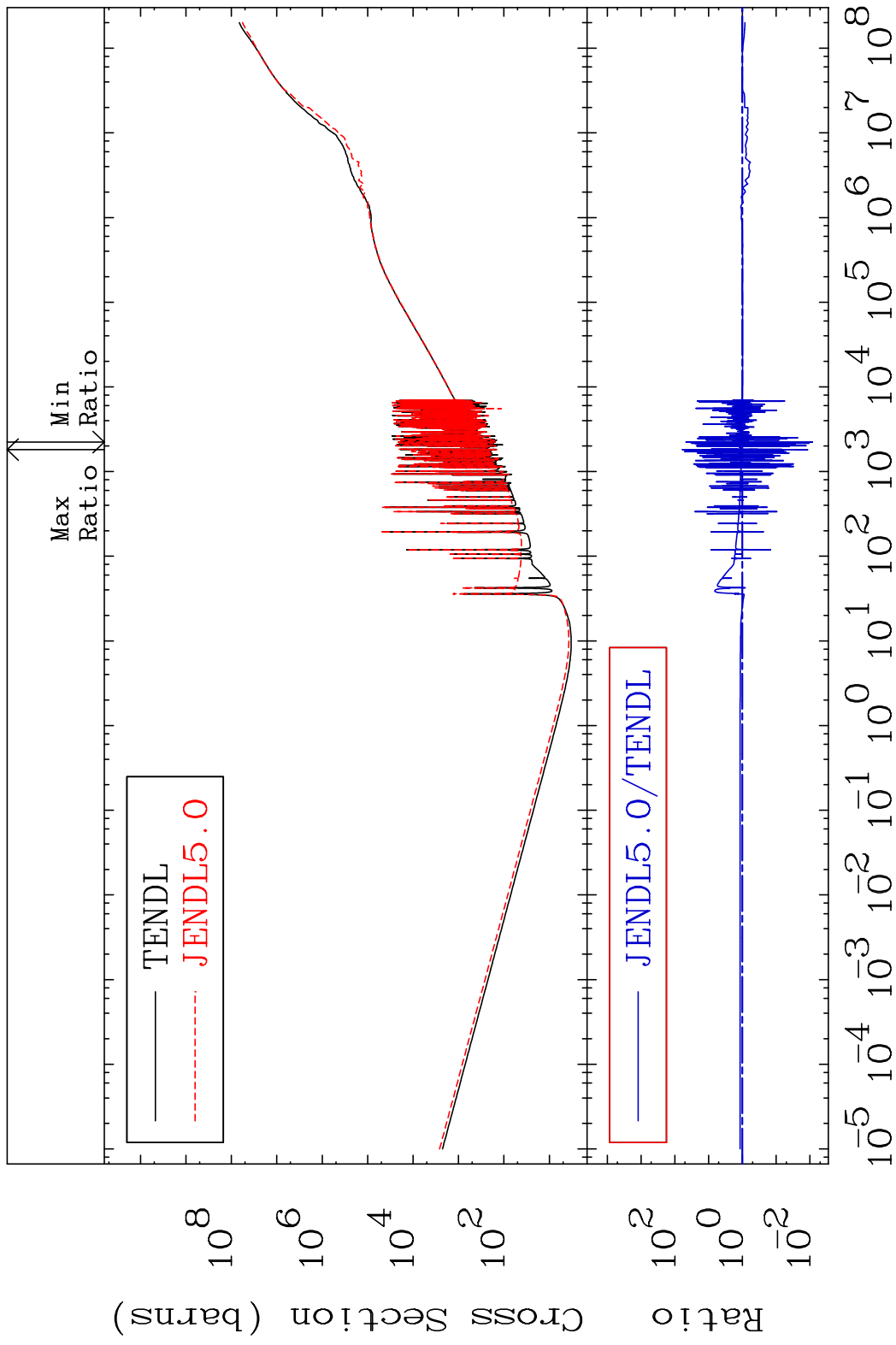


32

Incident Energy (eV)

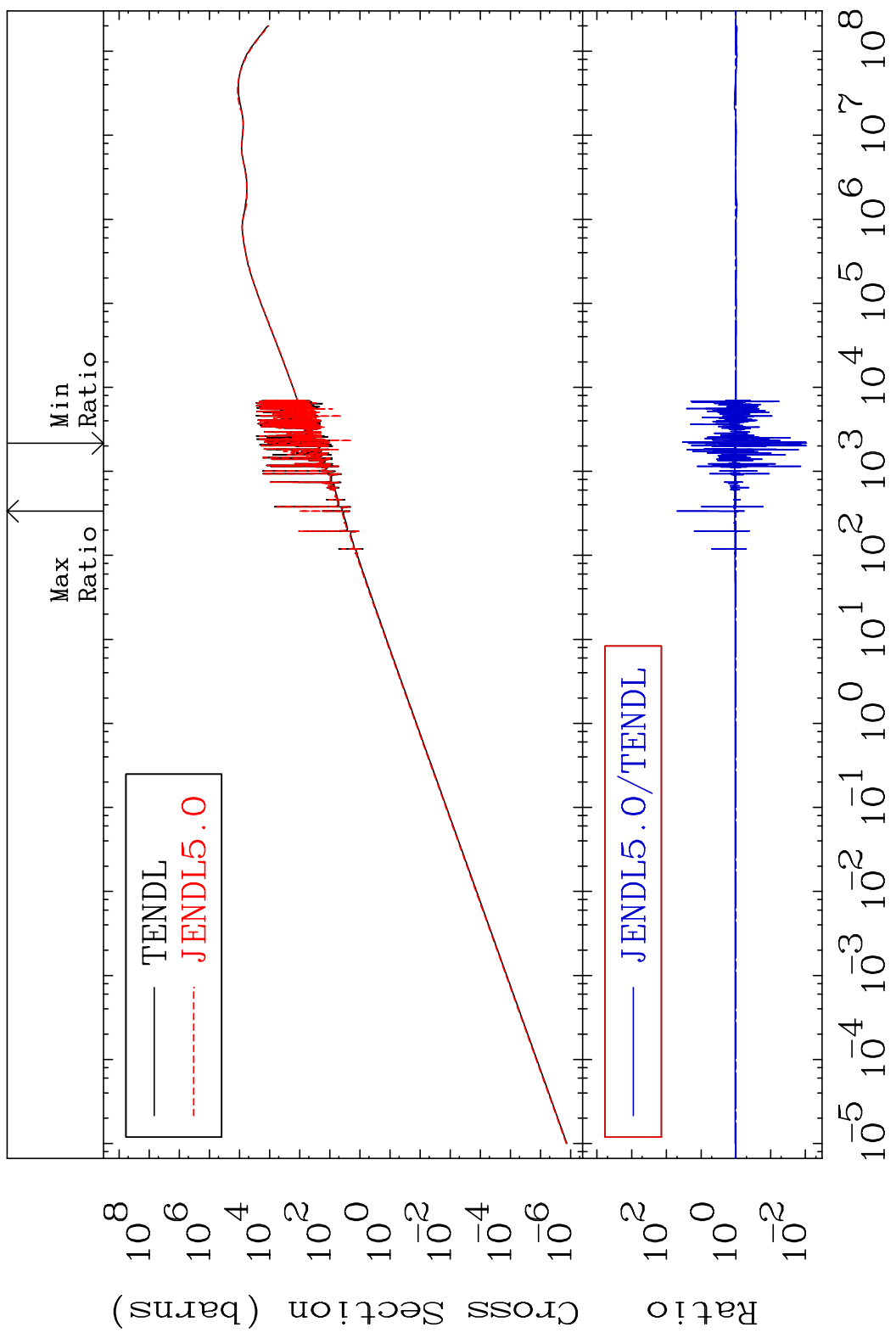
41-Nb-93

MAT 4125 Kerma total (eV-barns) 41-Nb-93
 Cross Section -99.17 To 5880. %

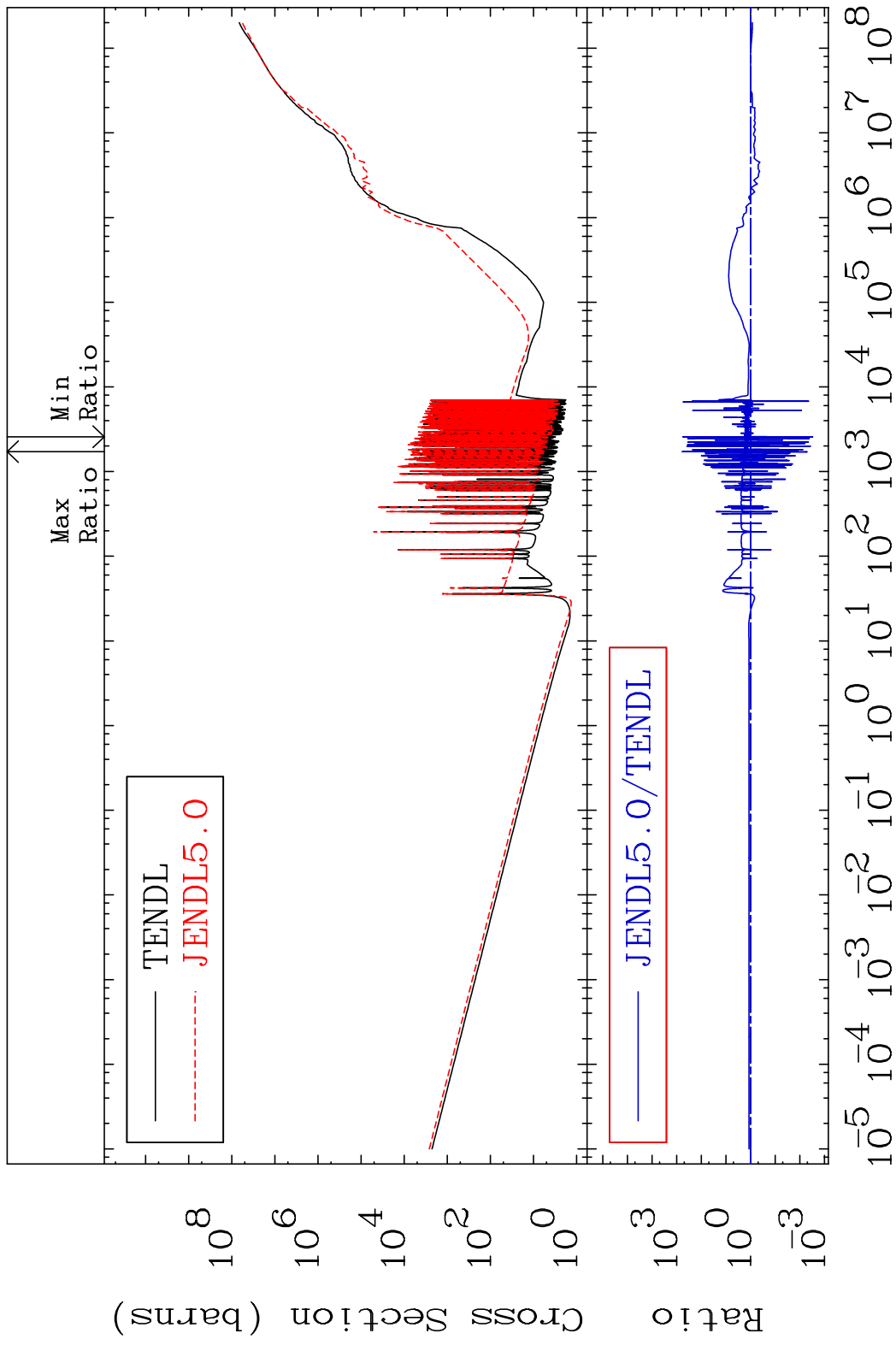


MAT 4125

Kerma elastic Cross Section -99.06 To 4804. %
41-Nb-93

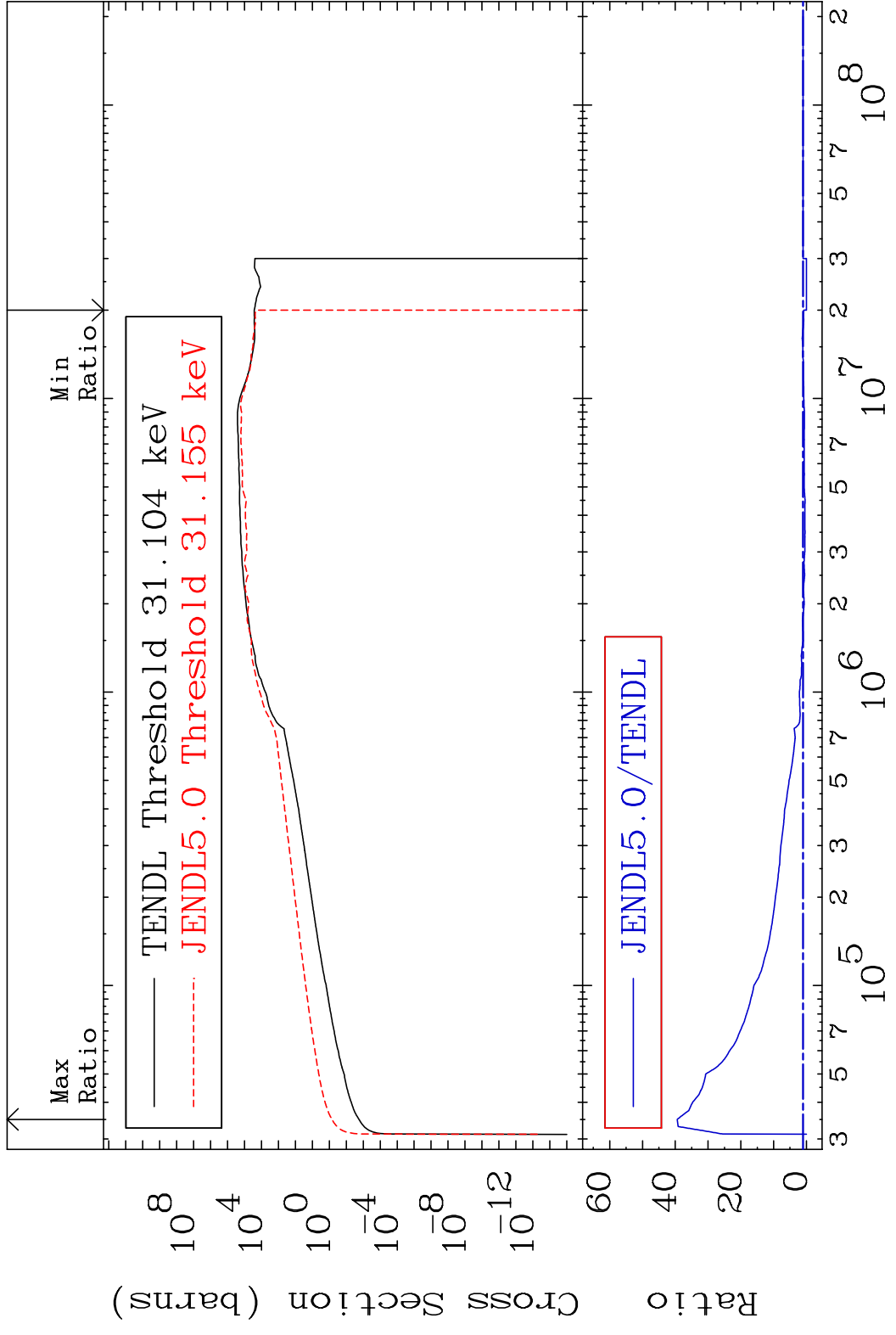


MAT 4125 Kerma non-elastic (all but mt2) 41-Nb-93
 Cross Section -99.69 To 9999. %

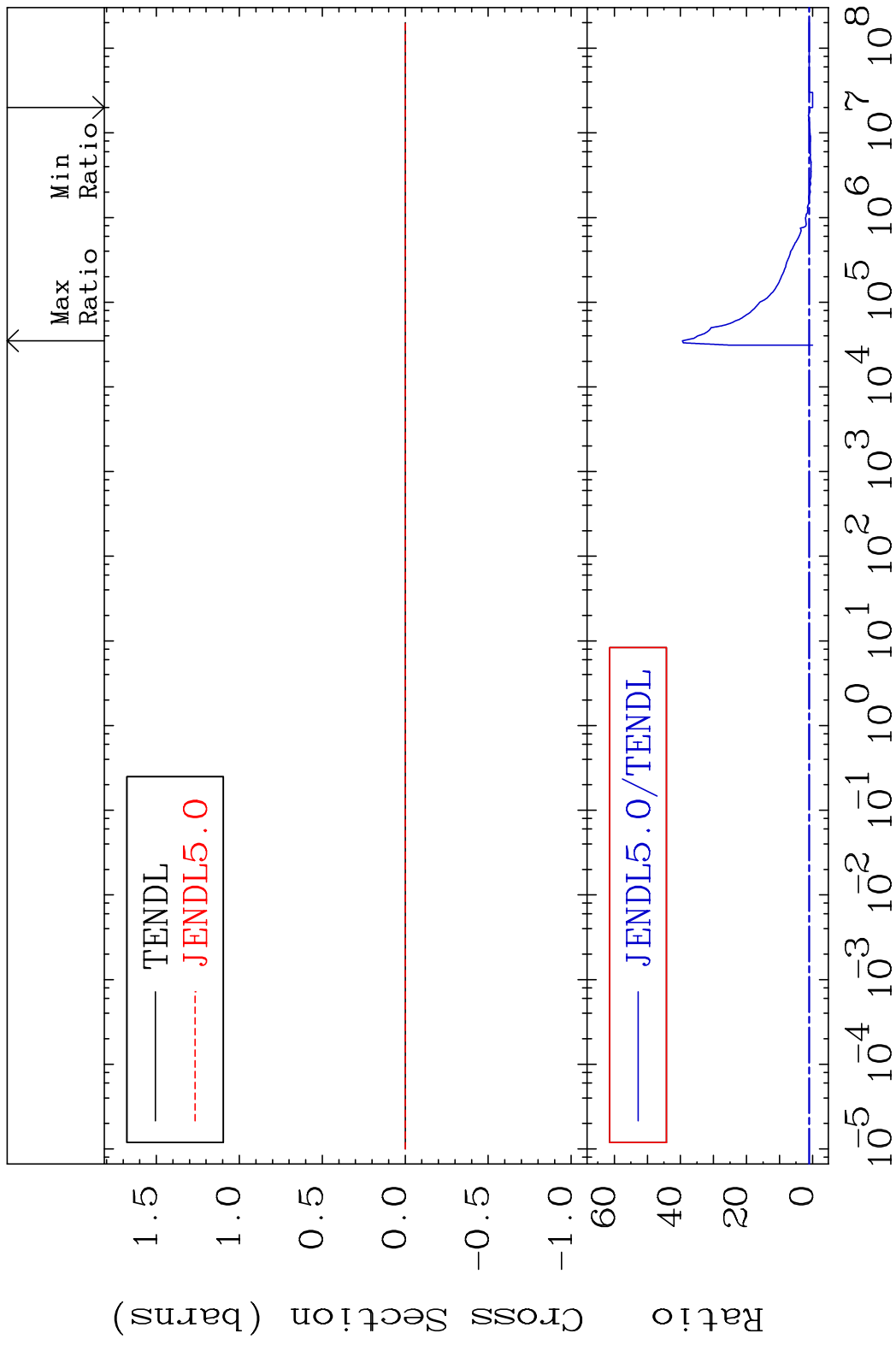


35 Incident Energy (eV) 41-Nb-93

MAT 4125 Kerma inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 3842. %



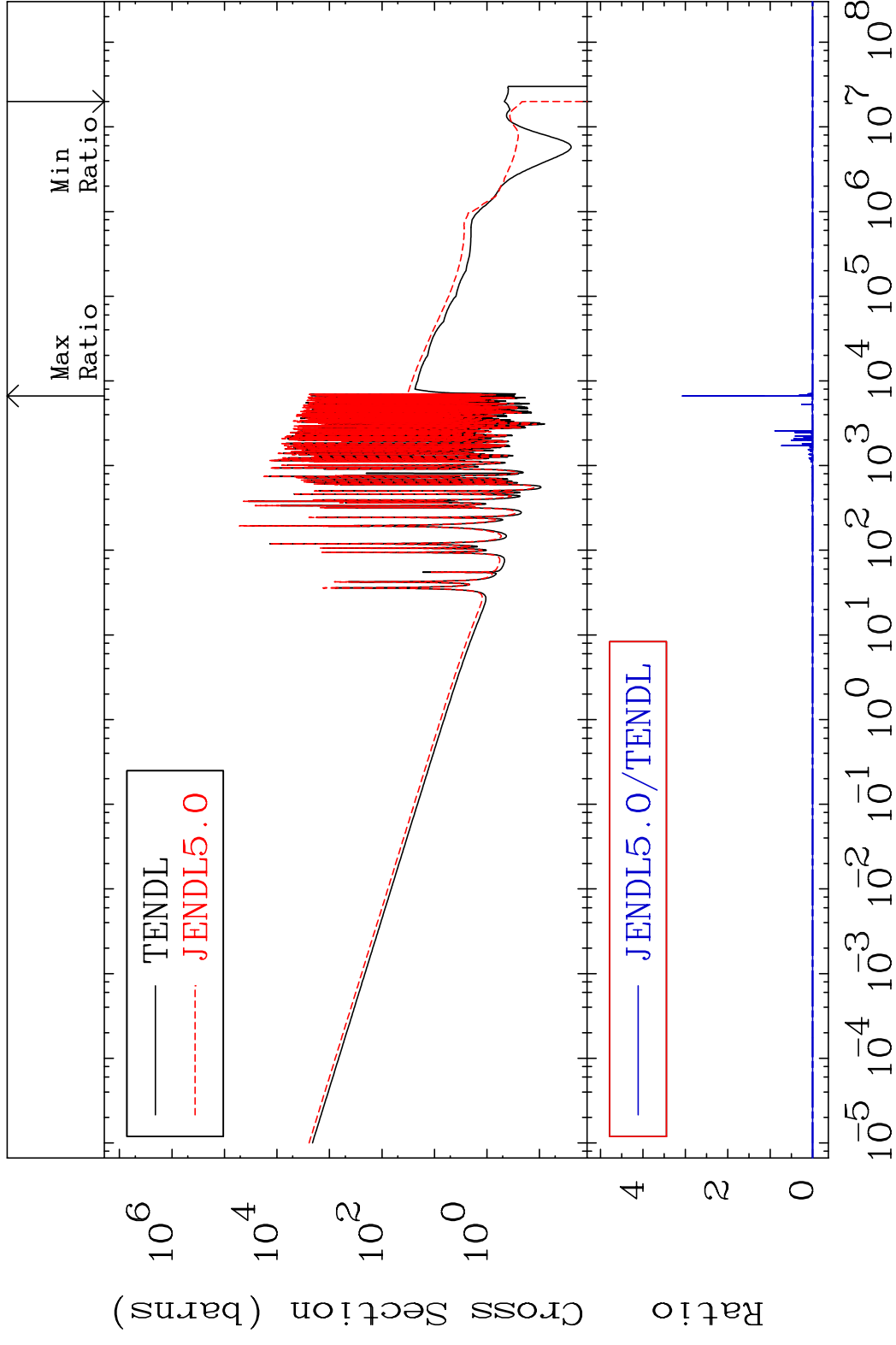
MAT 4125 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93
 Cross Section -100.0 To 3842. %



MAT 4125

Kerma capture (mt102) 41-Nb-93

Cross Section -100.0 To 9999. %

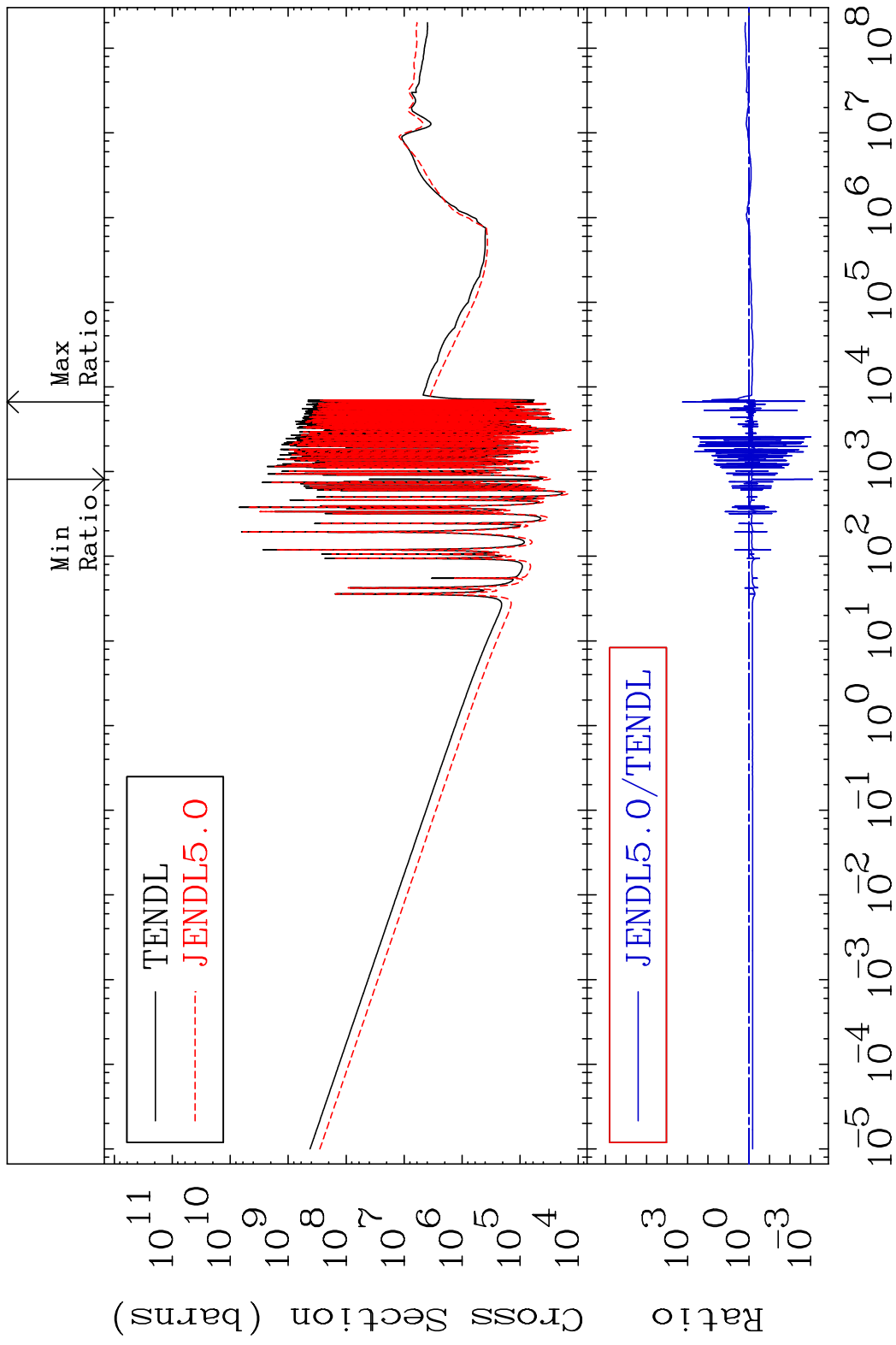


38

Incident Energy (eV)

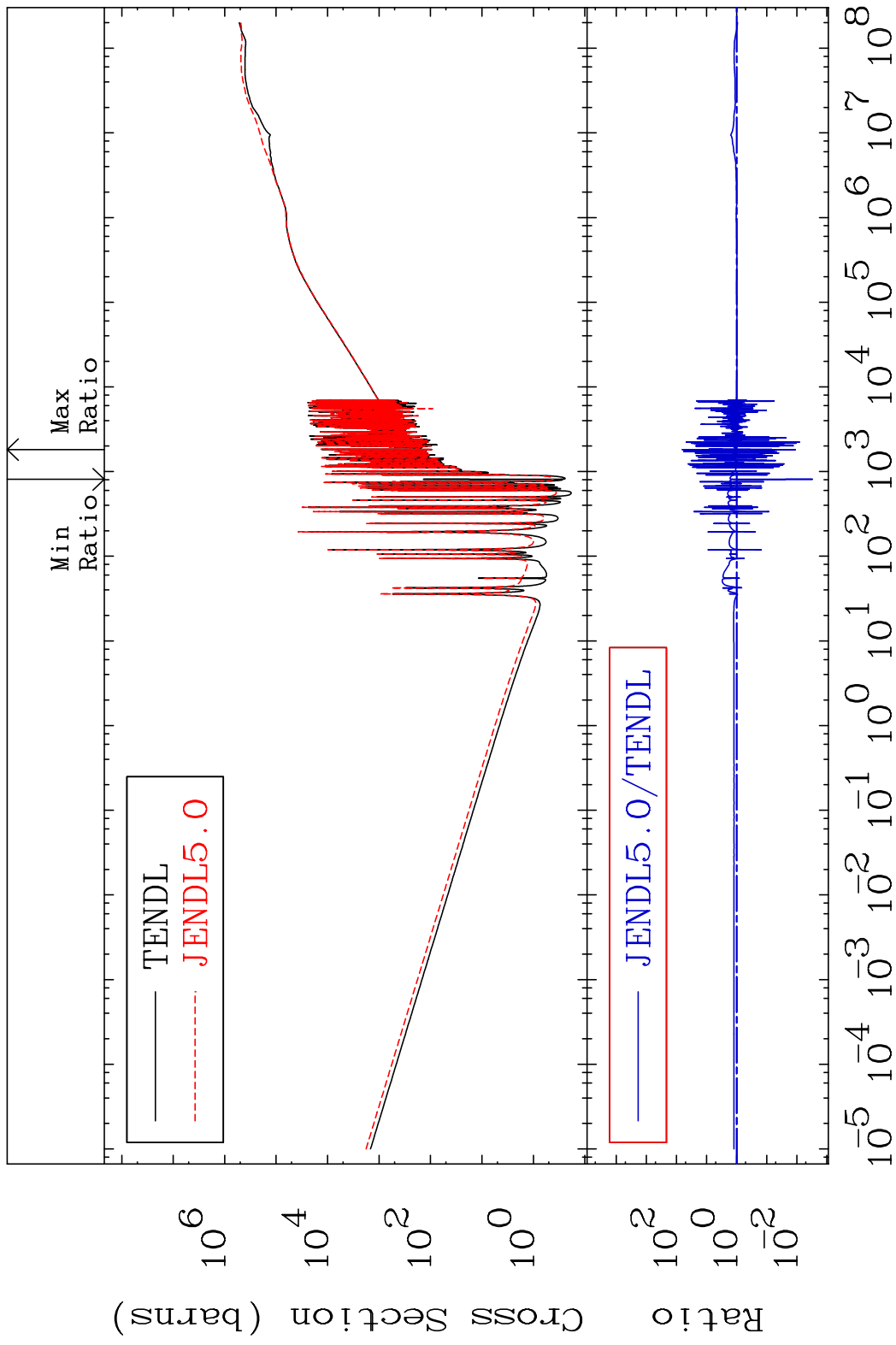
41-Nb-93

MAT 4125 Total photon (eV-barns) 41-Nb-93
 Cross Section -99.92 To 9999. %



39 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa total (eV-barns) 41-Nb-93
 Cross Section -99.70 To 6269. %



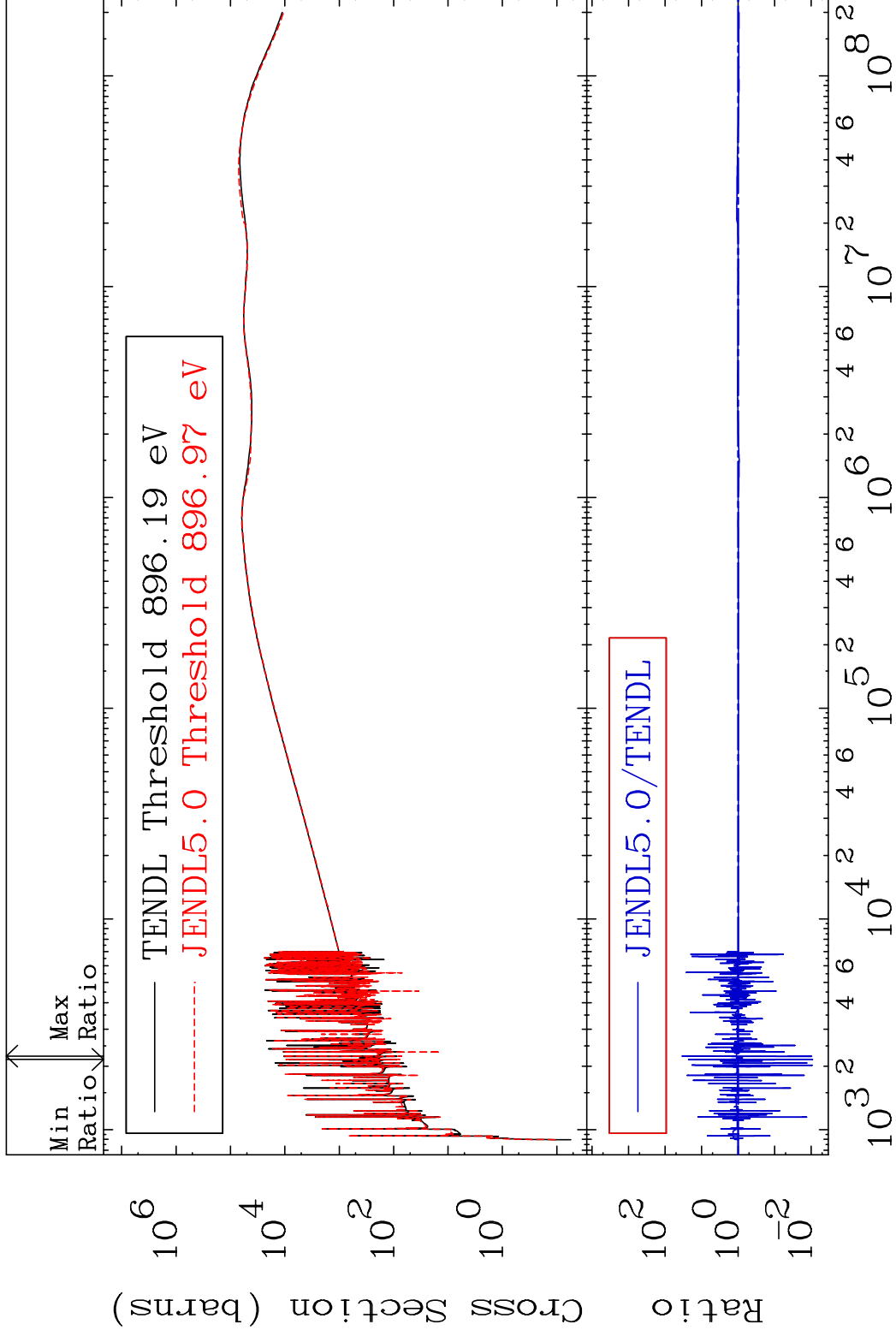
41 Incident Energy (eV) 41-Nb-93

MAT 4125

Dpa elastic (mt2)

41-Nb-93

Cross Section -99.08 To 3307. %

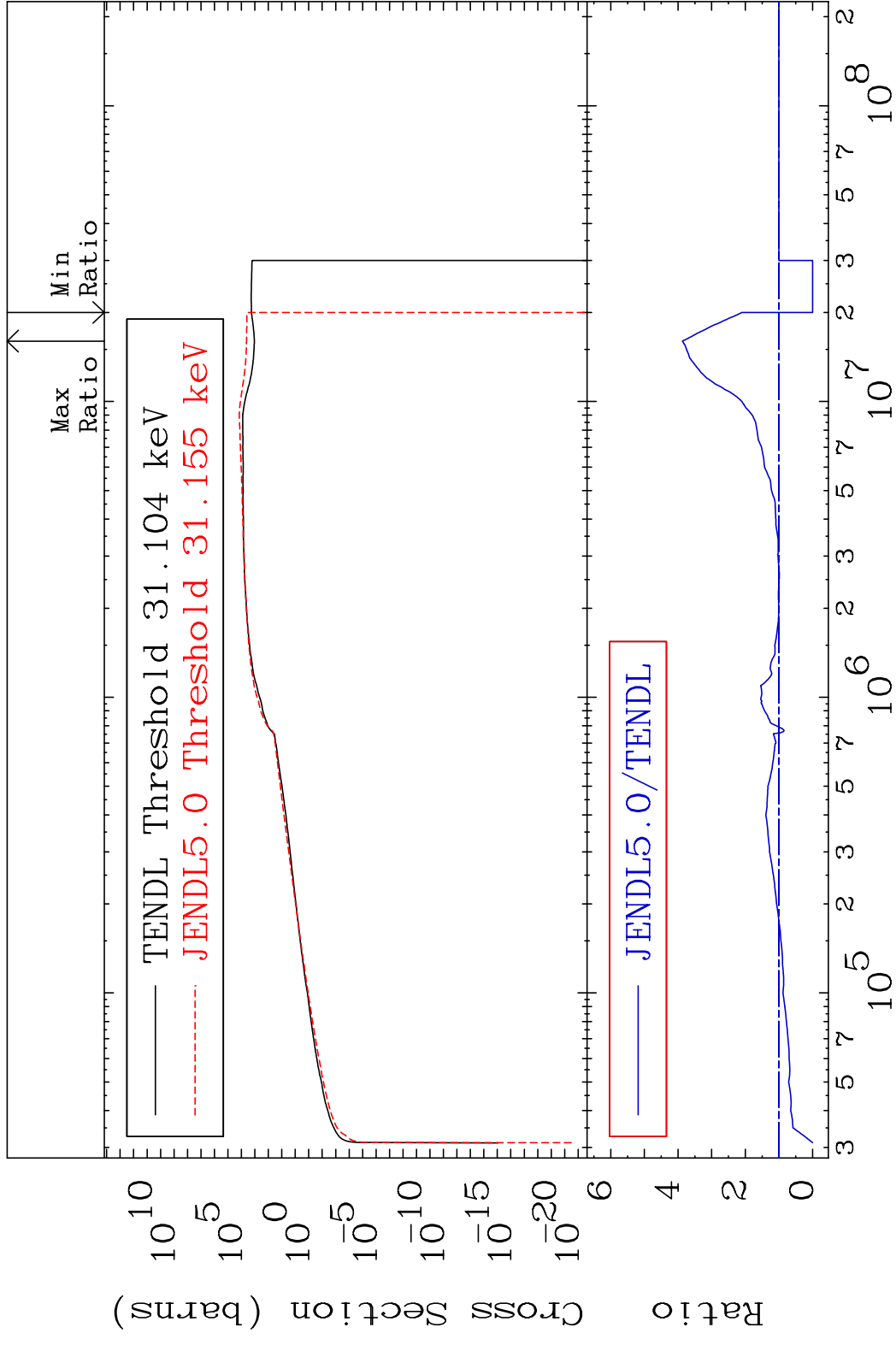


42

Incident Energy (eV)

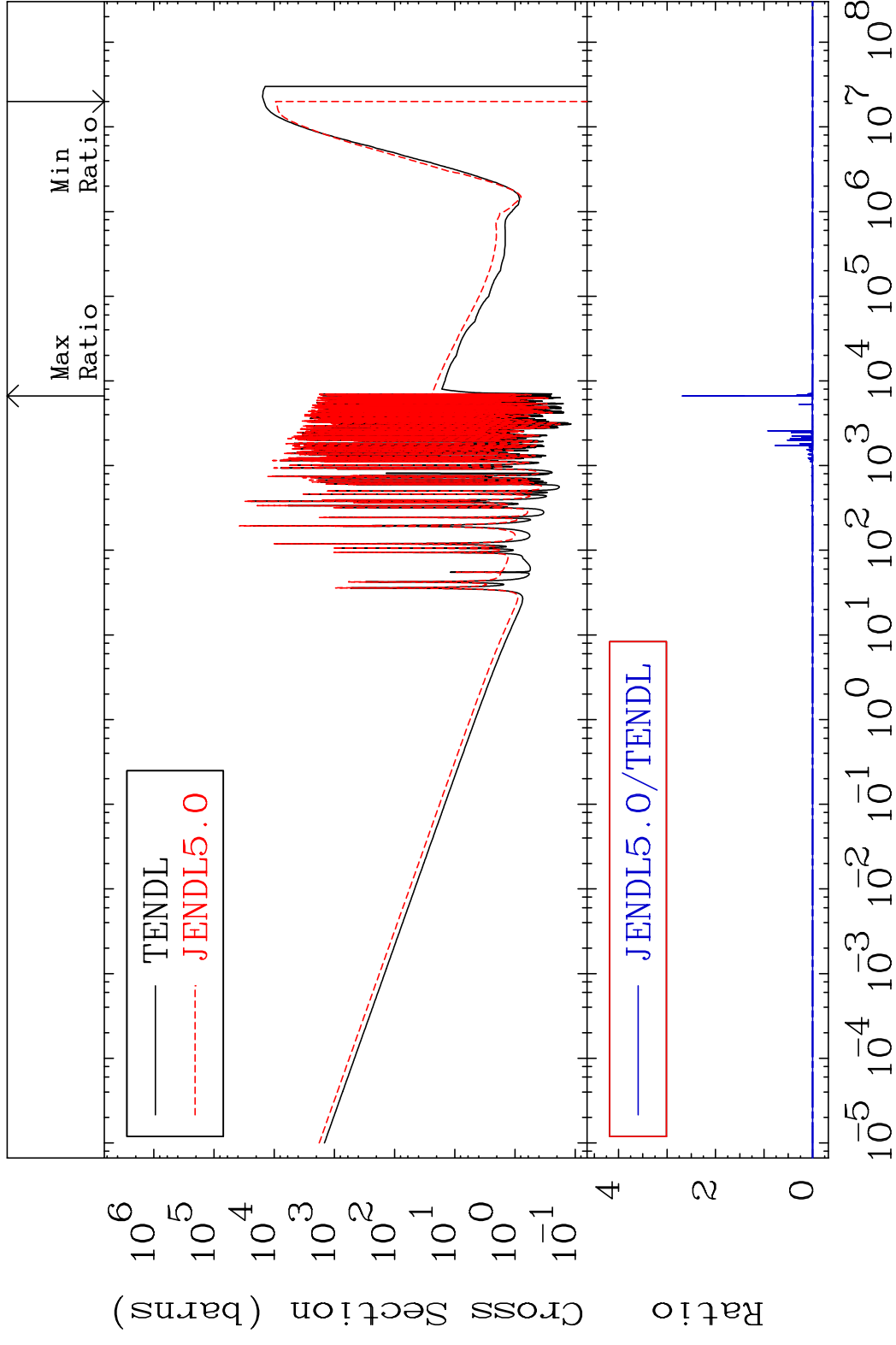
41-Nb-93

MAT 4125 Dpa inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 287.1 %



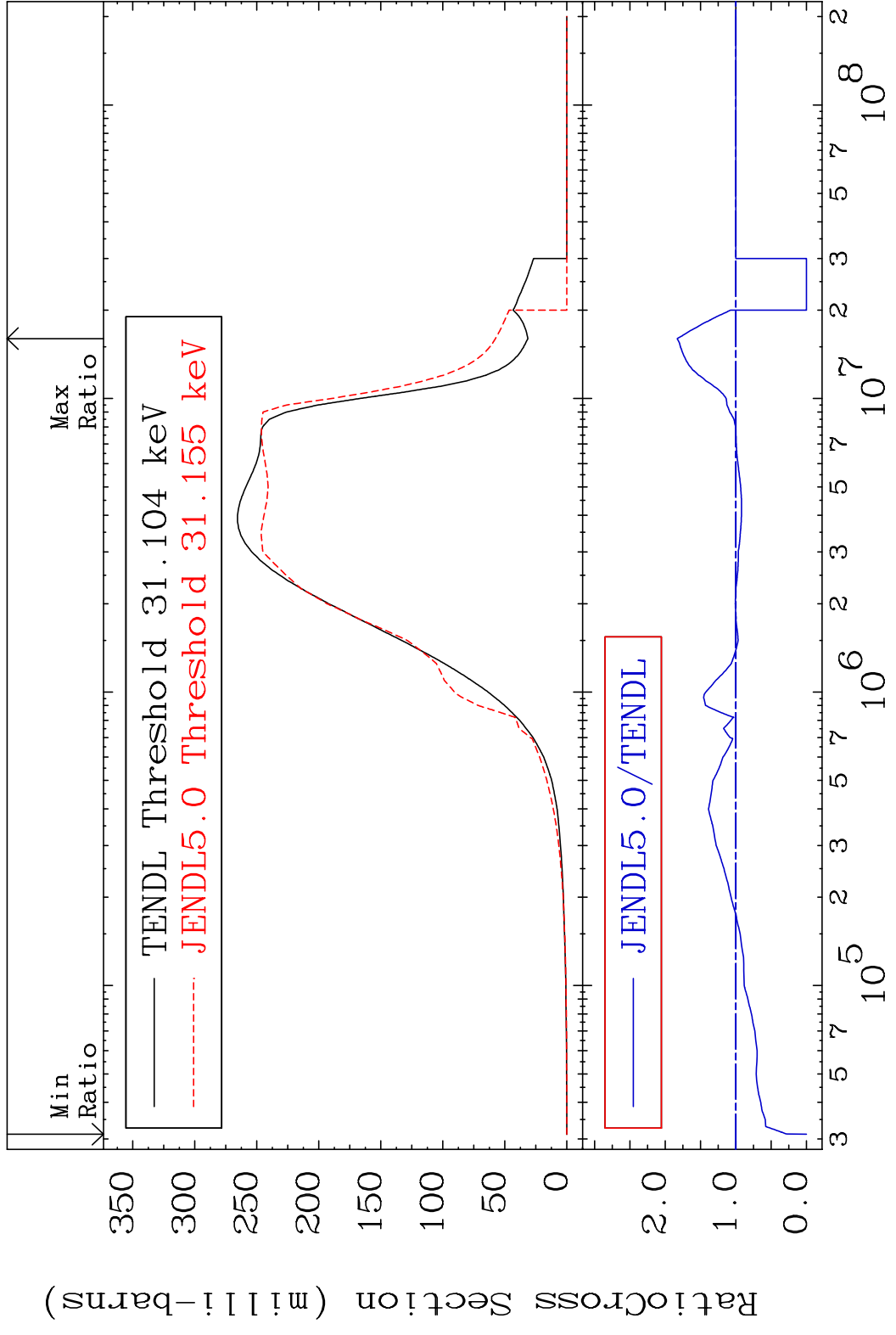
43 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa disappearance (mt102 -120) 41-Nb-93
 Cross Section -100.0 To 9999. %

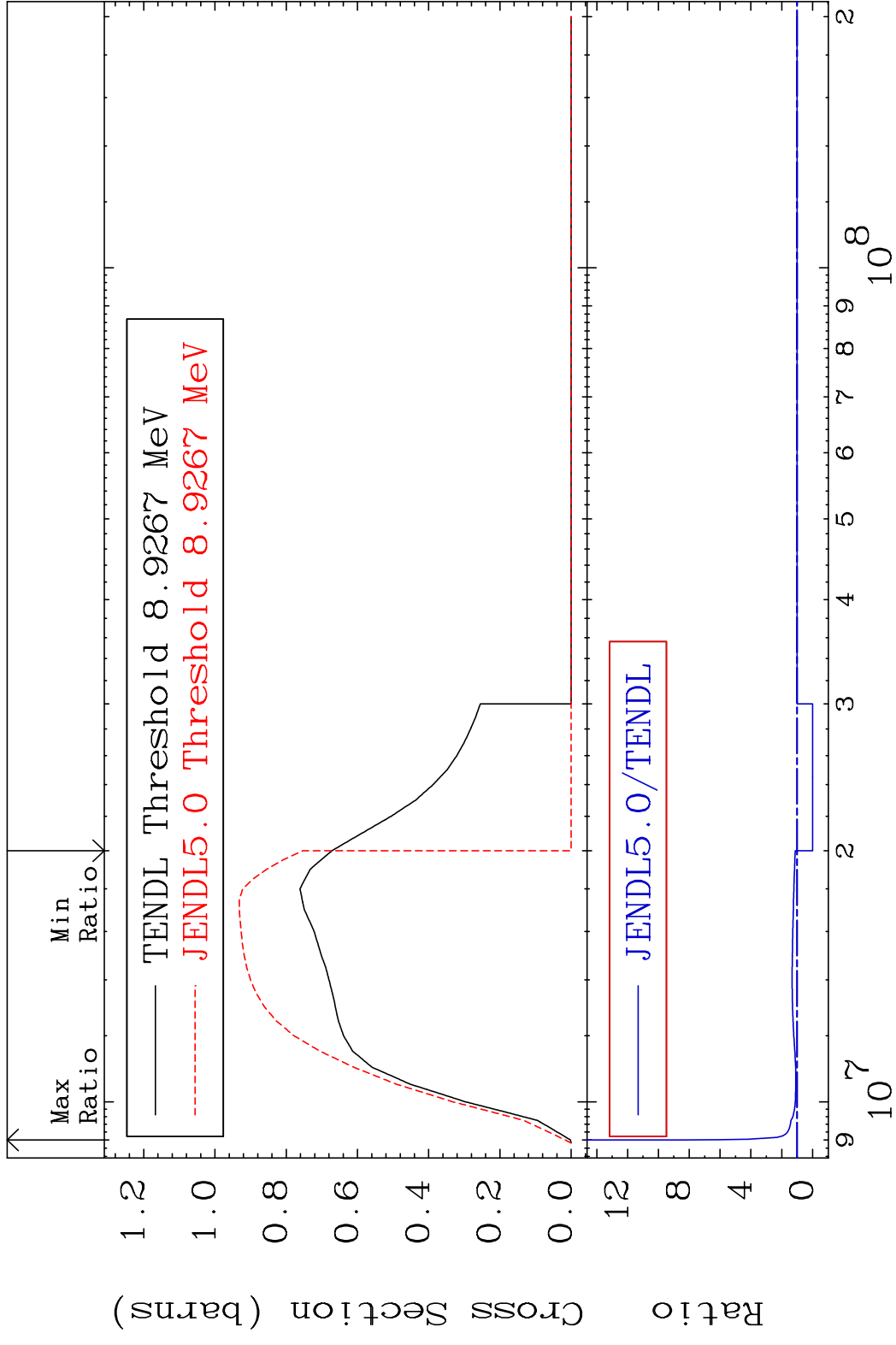


44 Incident Energy (eV) 41-Nb-93

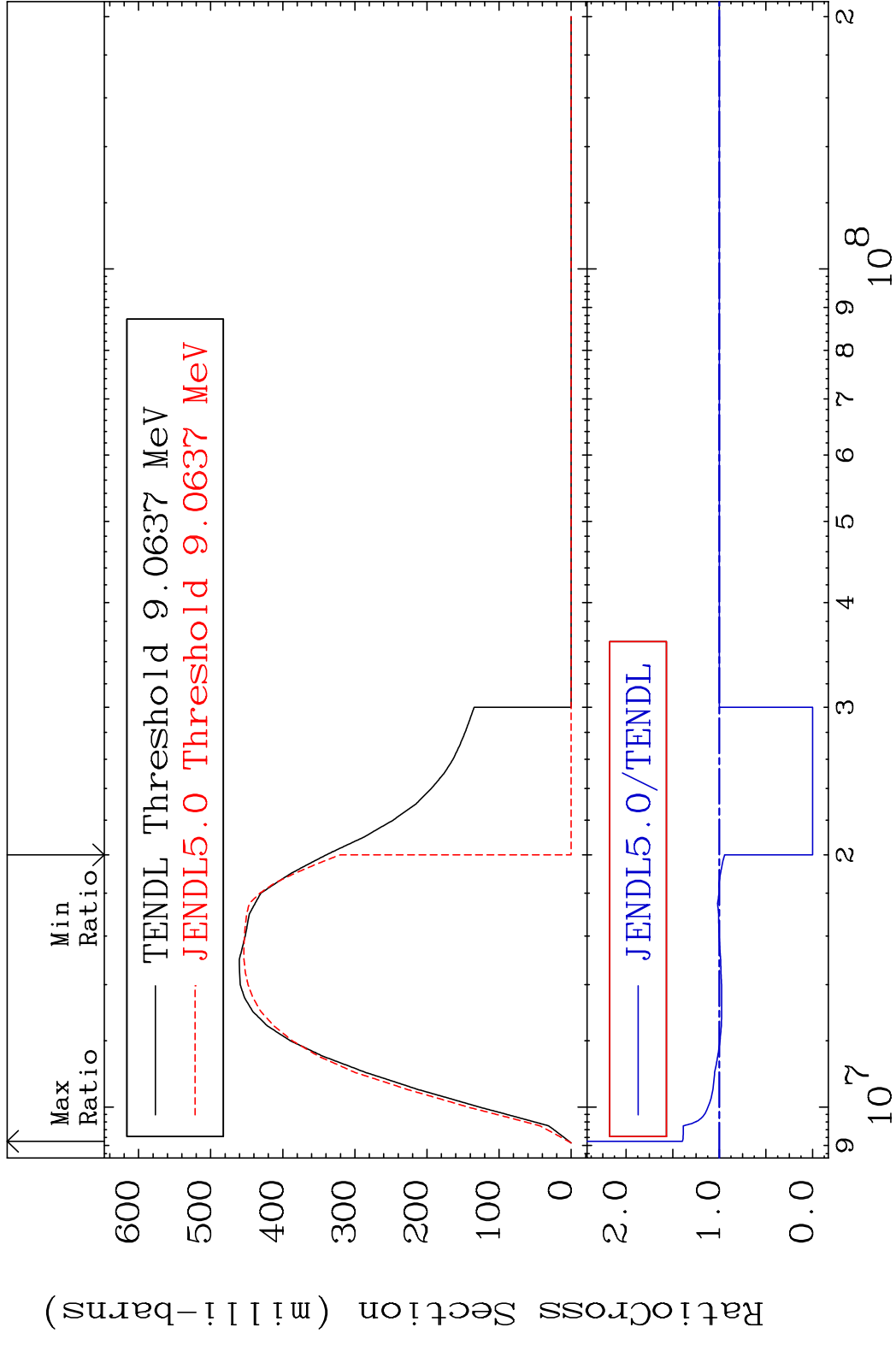
MAT 4125 Inelastic: 41-Nb-93m1 41-Nb-93
 Radionuclide Production Cross Section Ratio 82.97 %



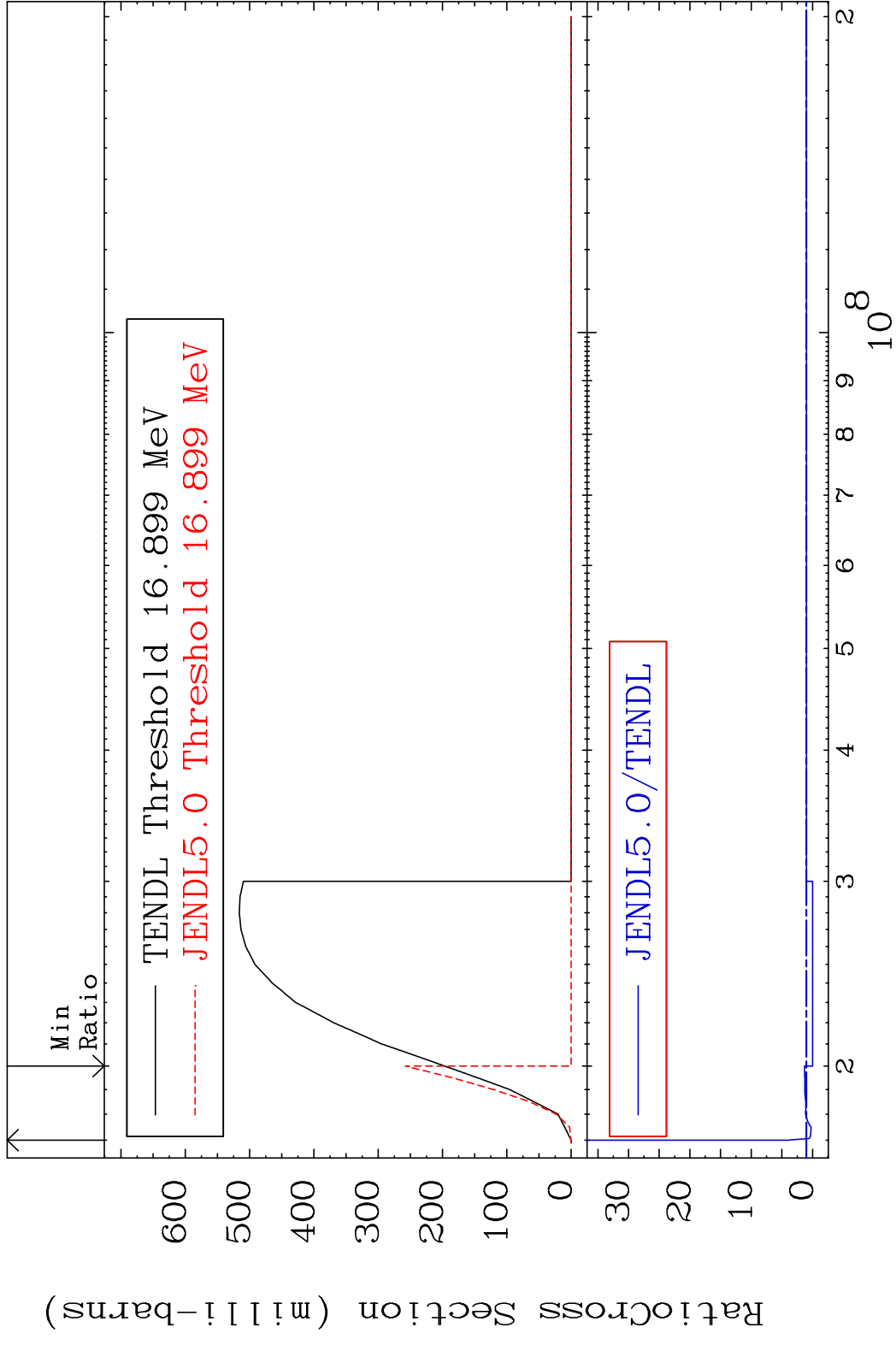
45 Incident Energy (eV) 41-Nb-93



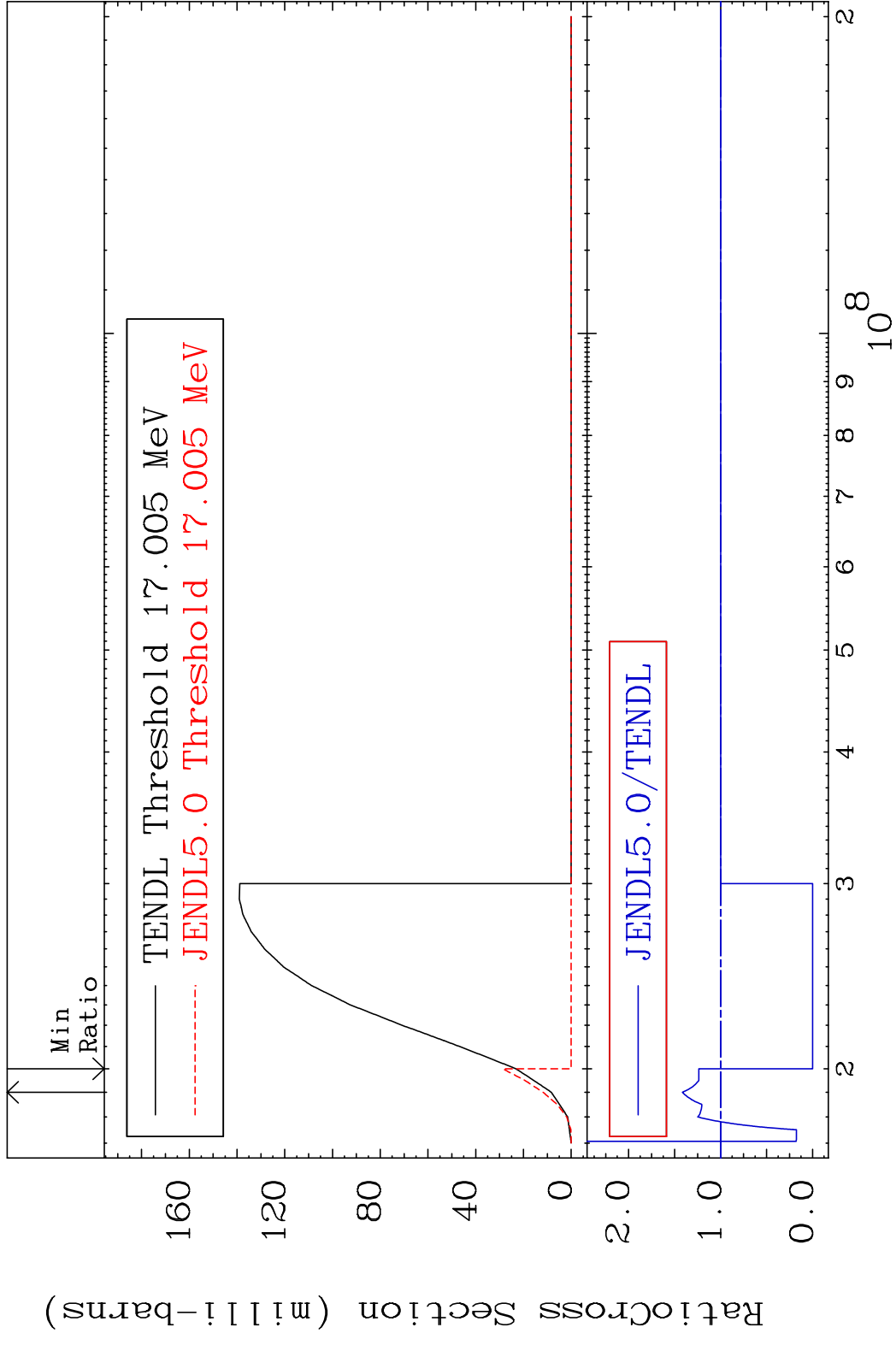
MAT 4125 (n,2n):41-Nb-92m1 41-Nb-93
 Radionuclide Production Cross Section Ratio 39.68 %



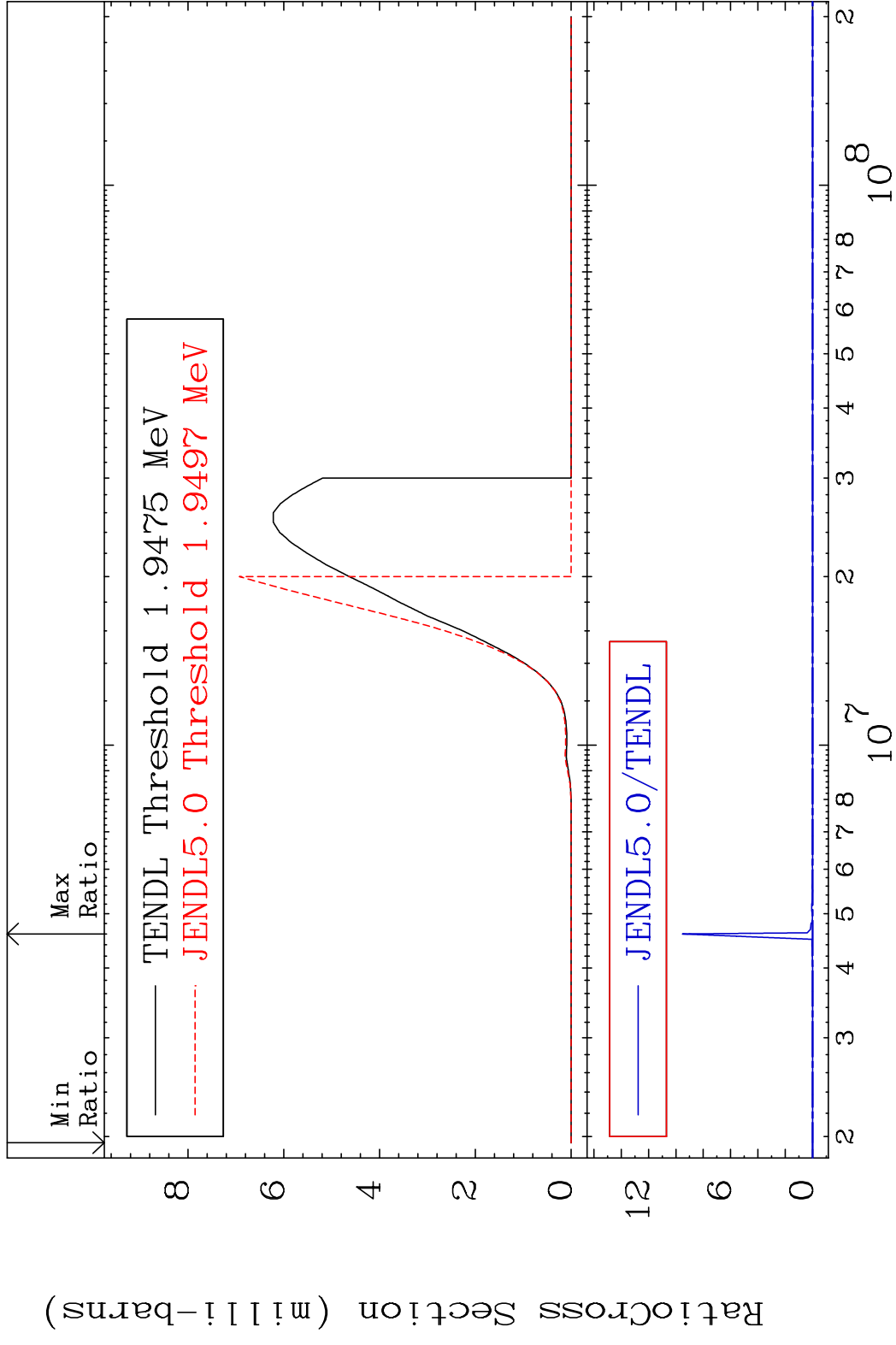
47 Incident Energy (eV) 41-Nb-93

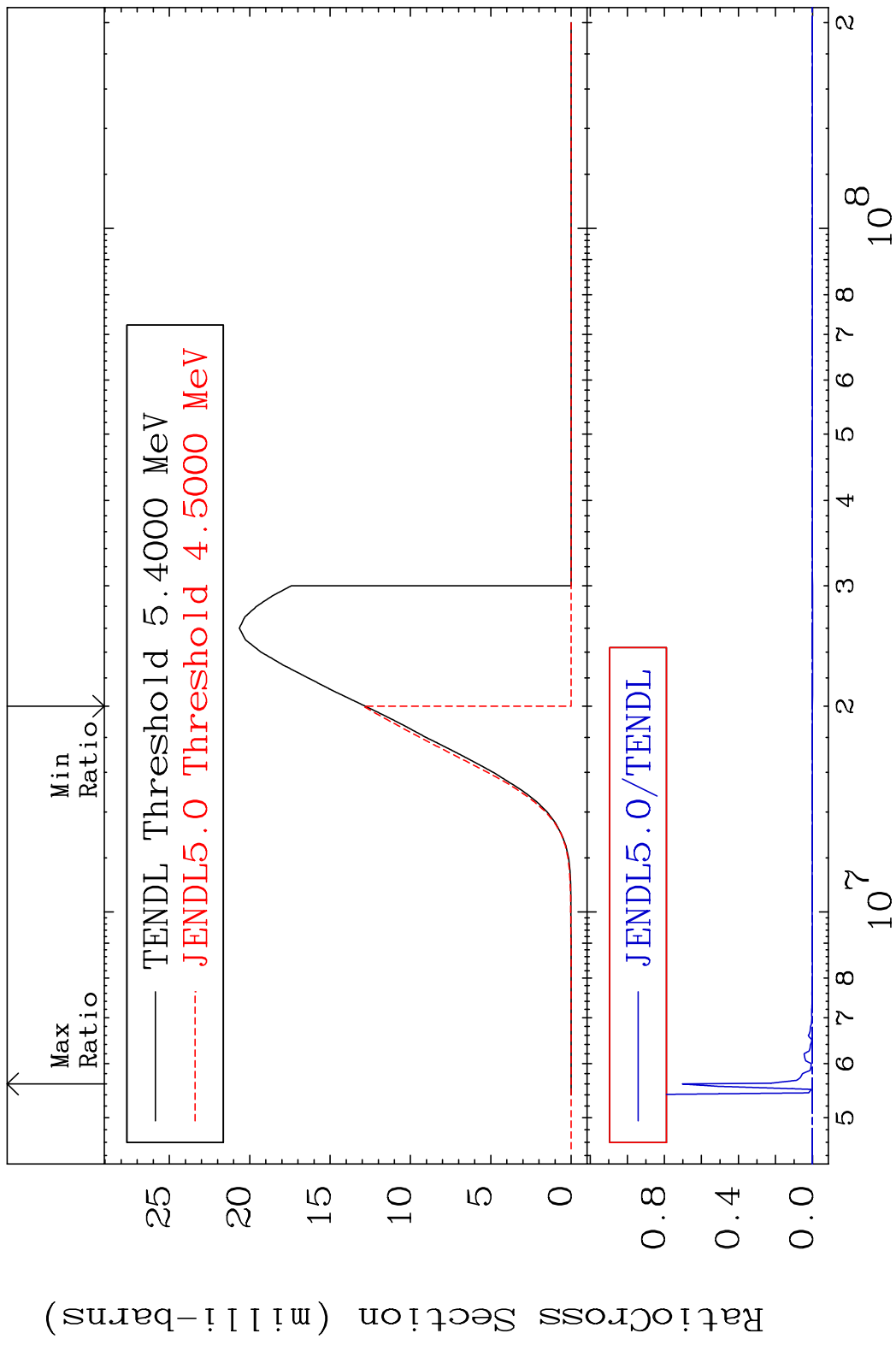


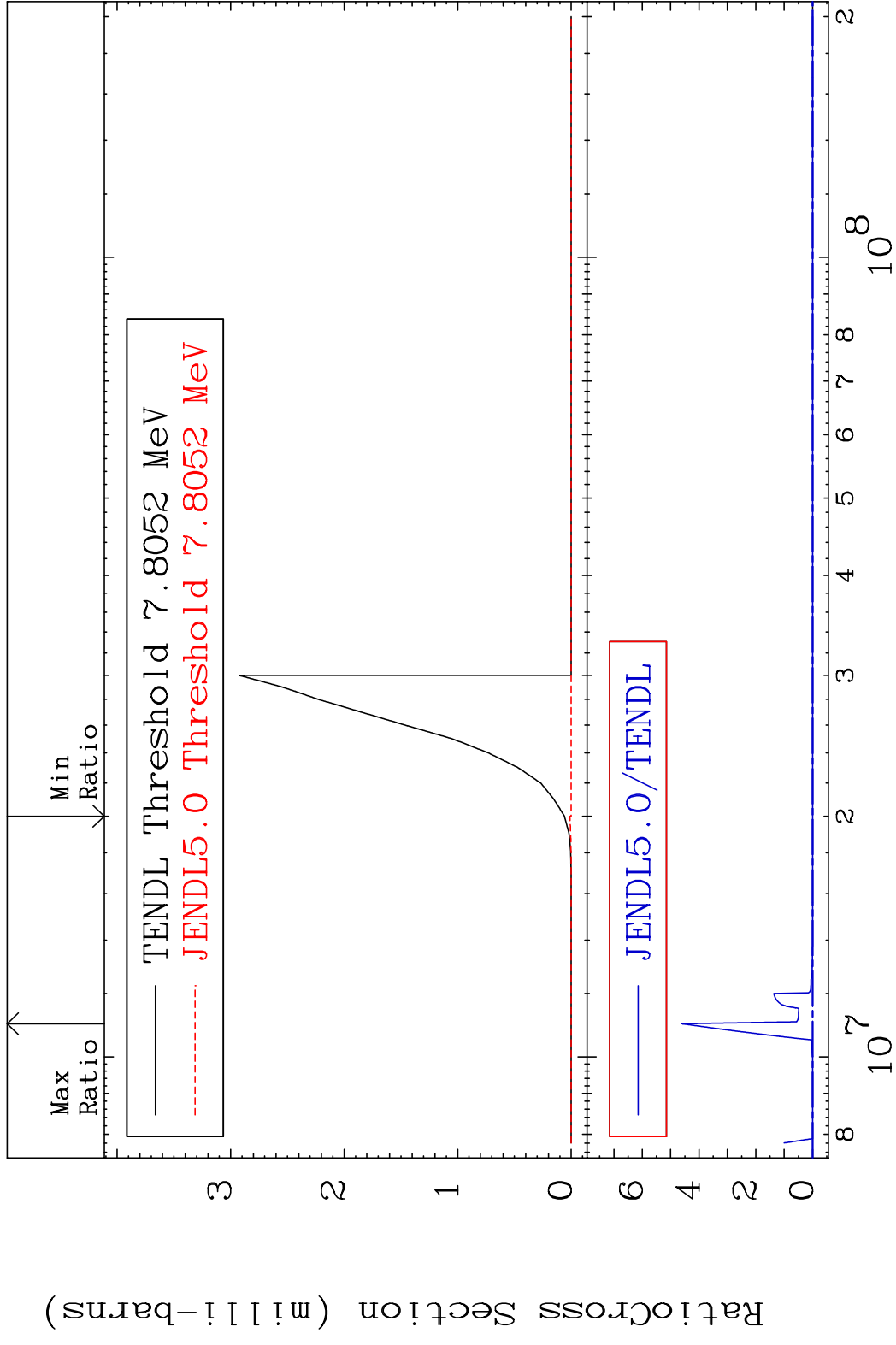
MAT 4125 (n,3n):41-Nb-91m1 41-Nb-93
 Radionuclide Production Cross Section 180.0 mb 41.61 %

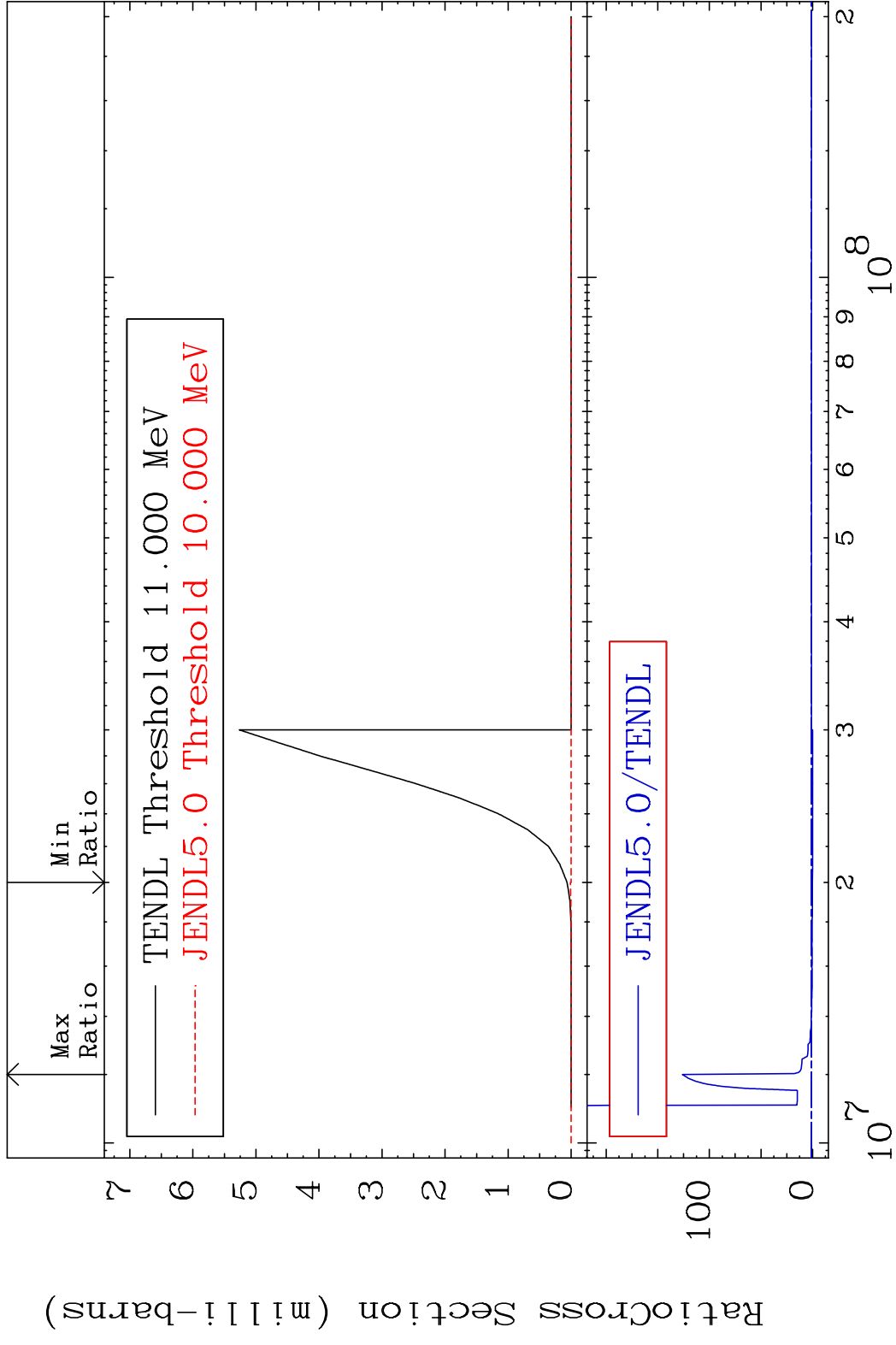


MAT 4125 (n, n') α :39-Y -89g 41-Nb-93
 Radionuclide Production Cross Section 100.00 dth 9999. %

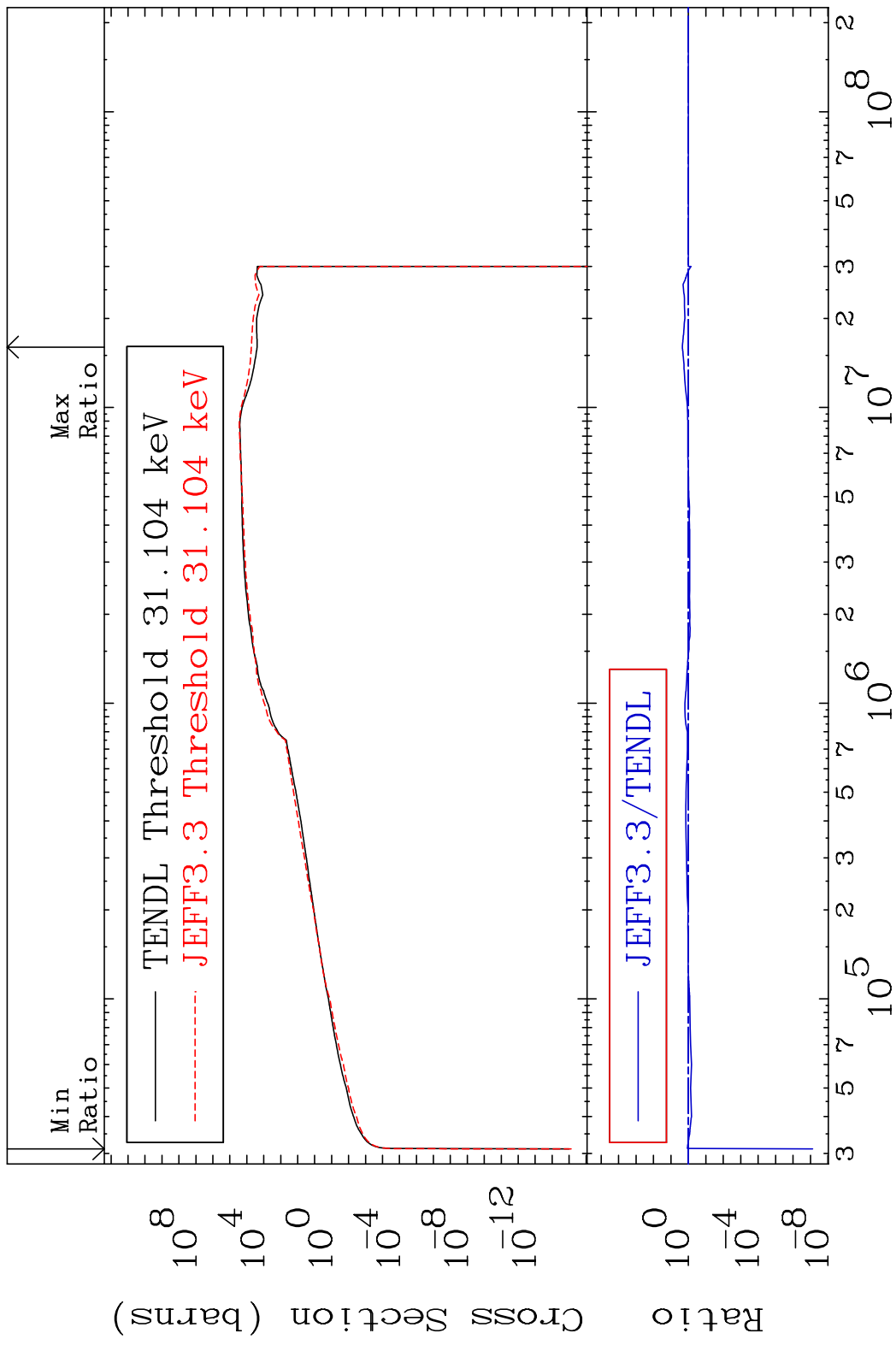




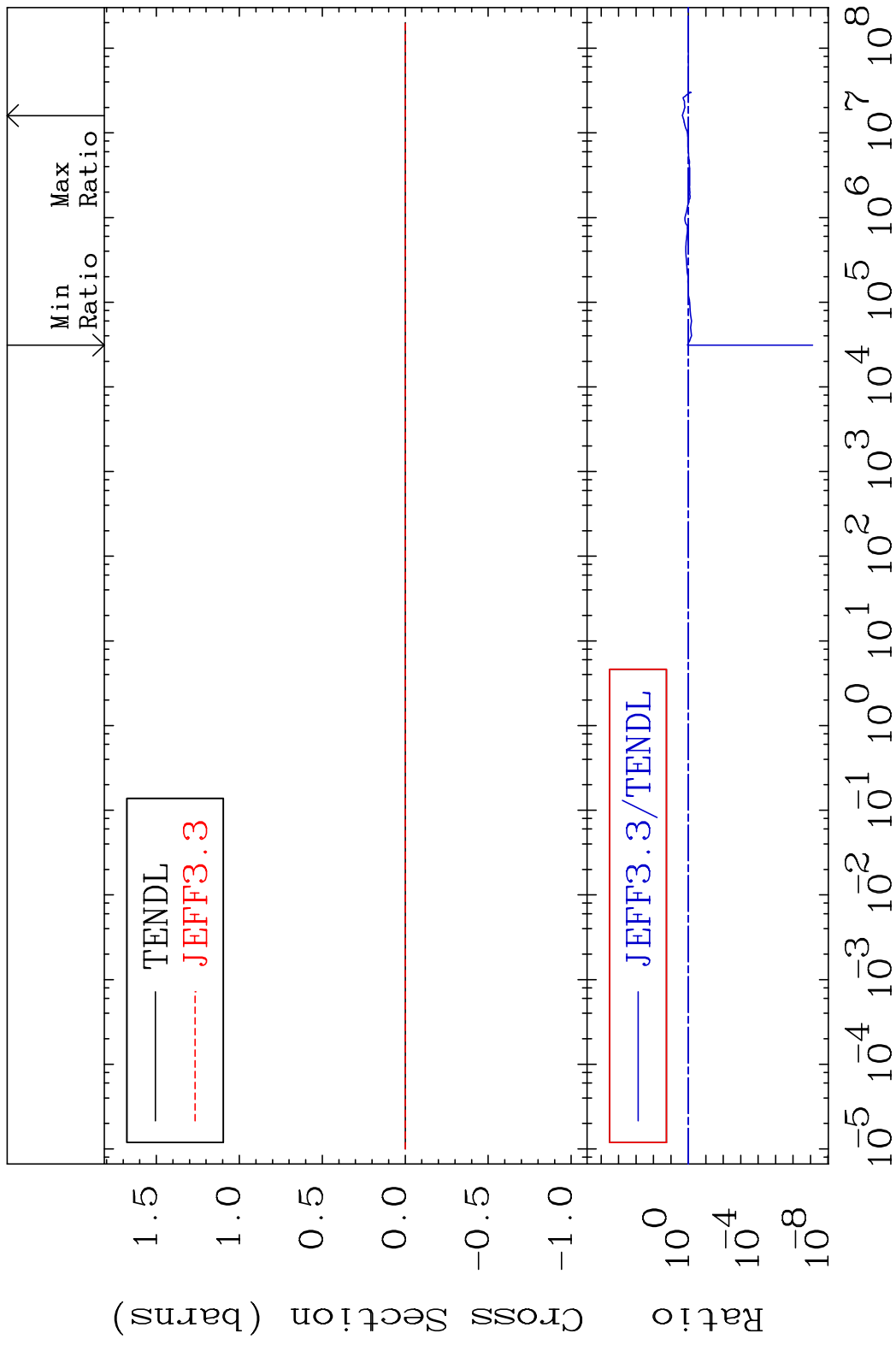




MAT 4125 Kerma inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 121.2 %



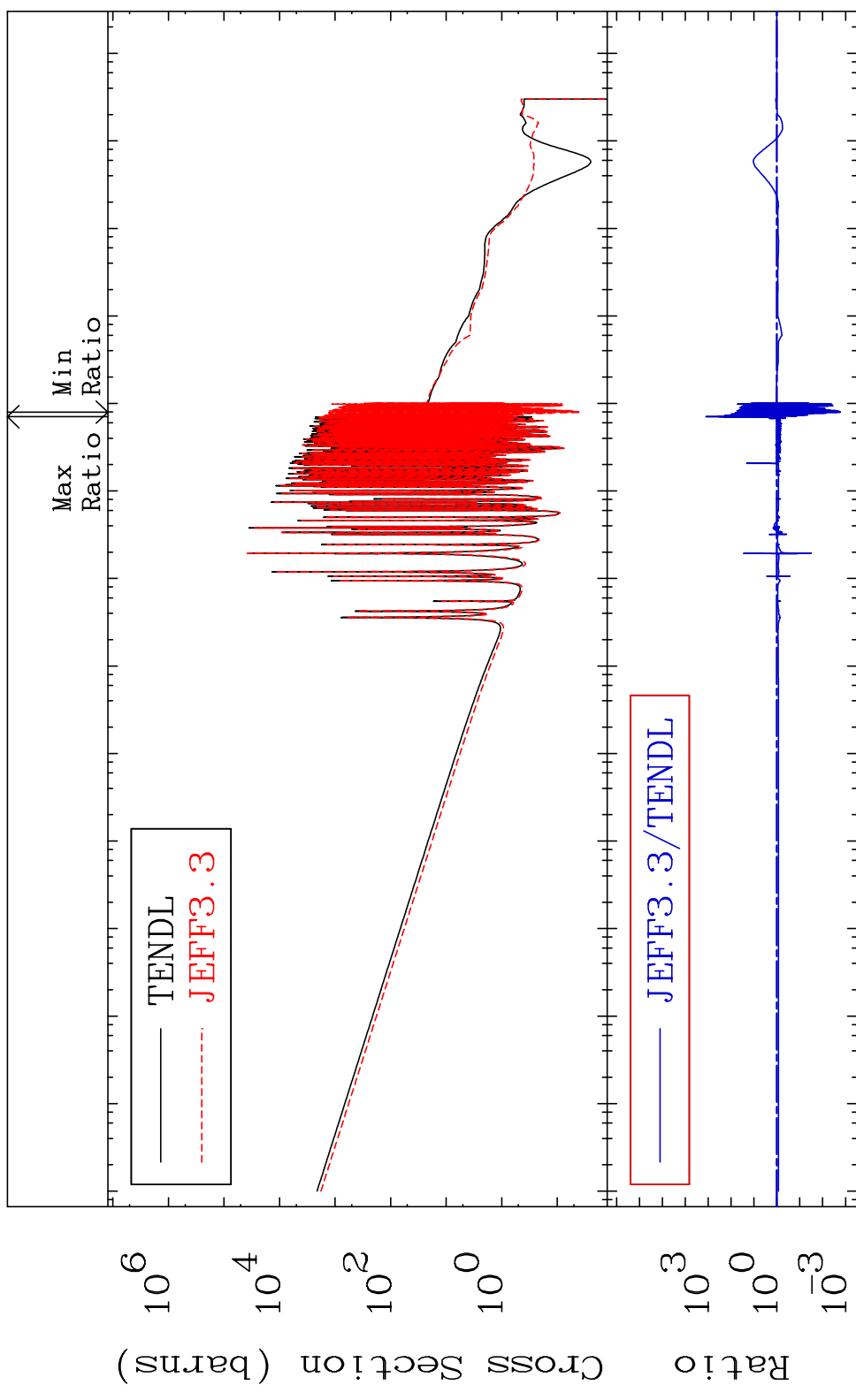
MAT 4125 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93
 Cross Section -100.0 To 121.2 %



MAT 4125

Kerma capture (mt102) 41-Nb-93

Cross Section -99.83 To 9999. %

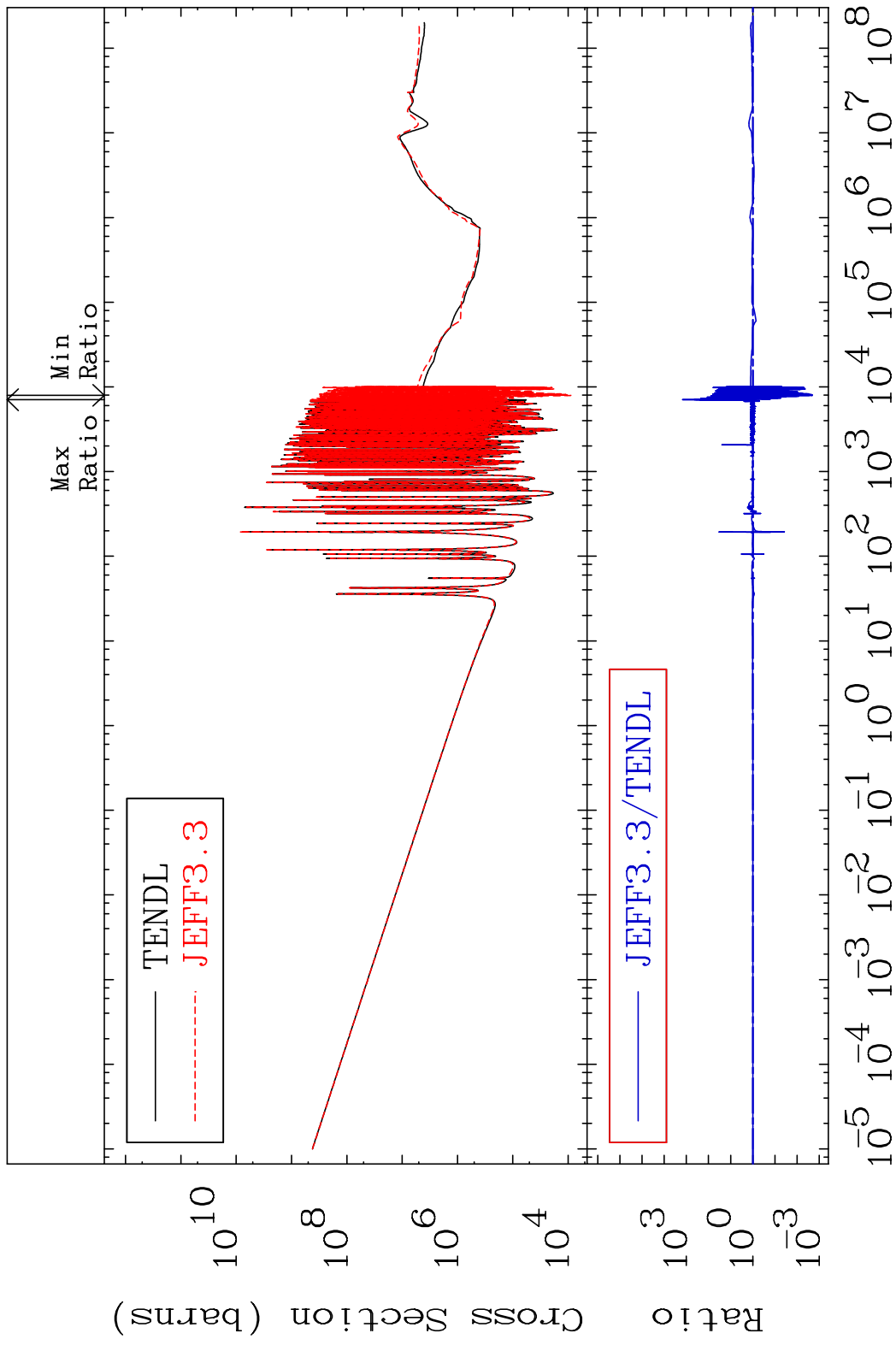


56

Incident Energy (eV)

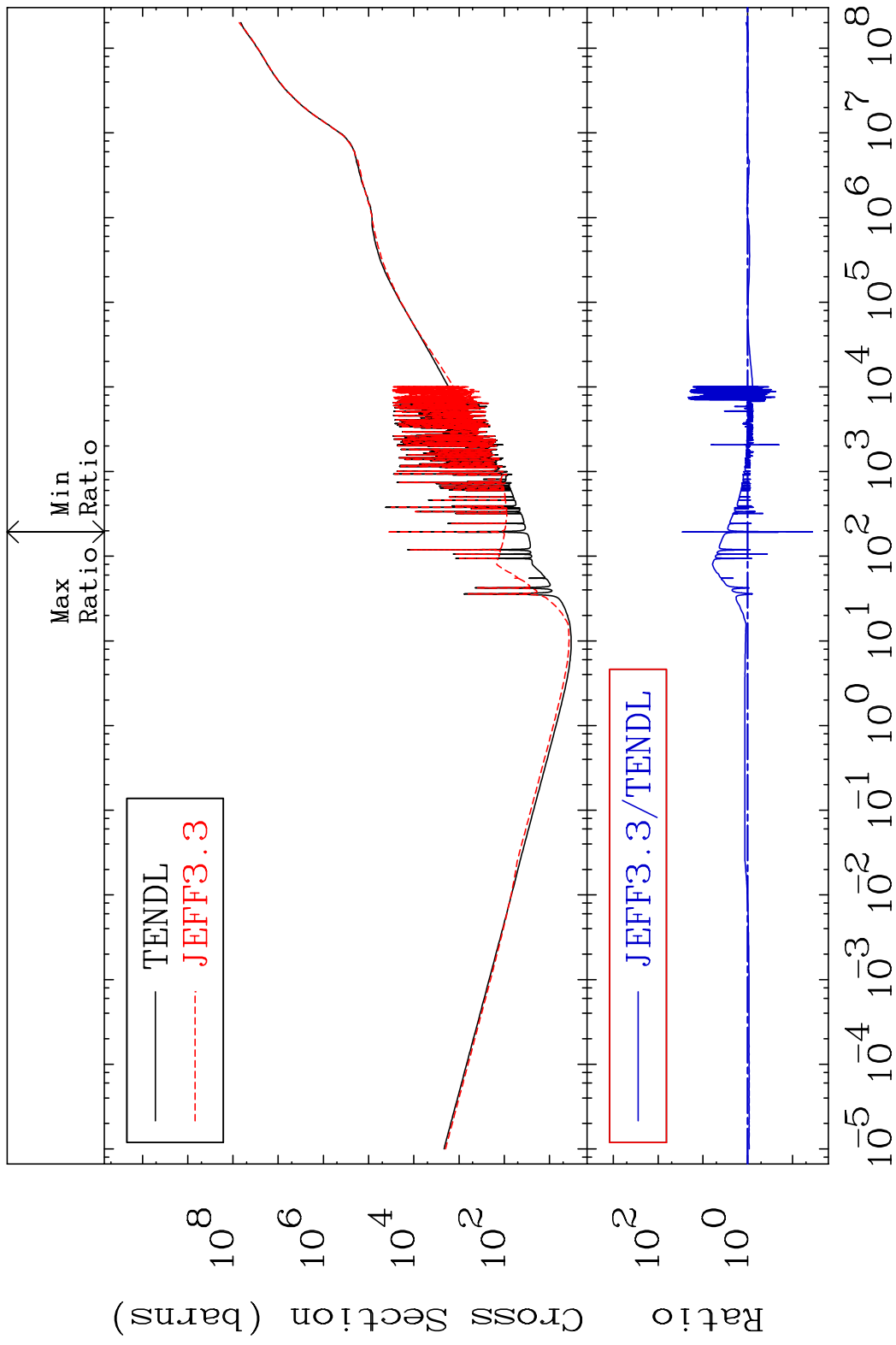
41-Nb-93

MAT 4125 Total photon (eV-barns) 41-Nb-93
 Cross Section -99.80 To 9999. %



57 Incident Energy (eV) 41-Nb-93

MAT 4125 Total kinematic kerma (high limit) 41-Nb-93
 Cross Section -96.45 To 2777. %

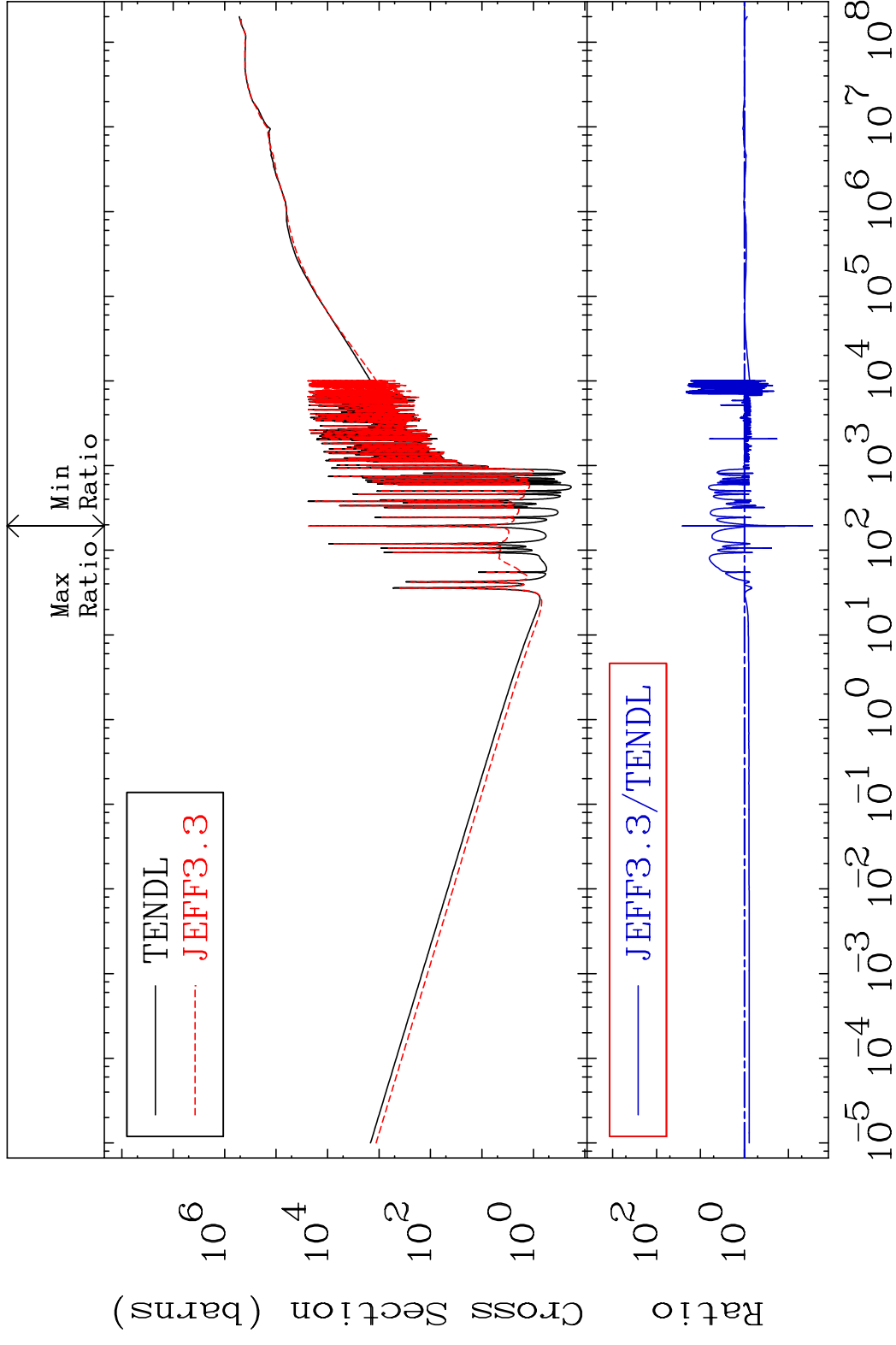


MAT 4125

Dpa total (eV-barns)

41-Nb-93

Cross Section -97.17 To 2485. %



59

Incident Energy (eV)

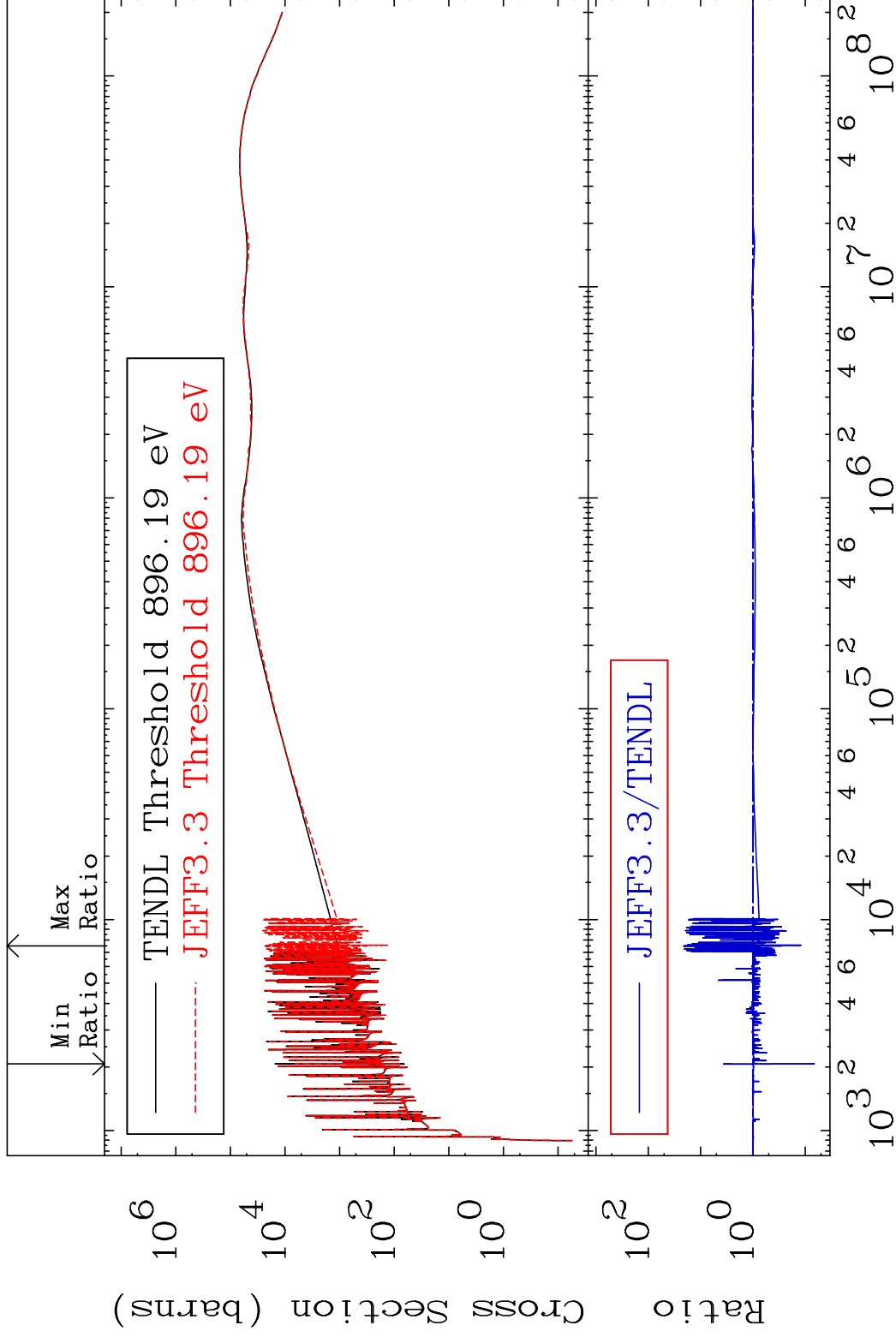
41-Nb-93

MAT 4125

Dpa elastic (mt2)

41-Nb-93

Cross Section -93.22 To 2004. %

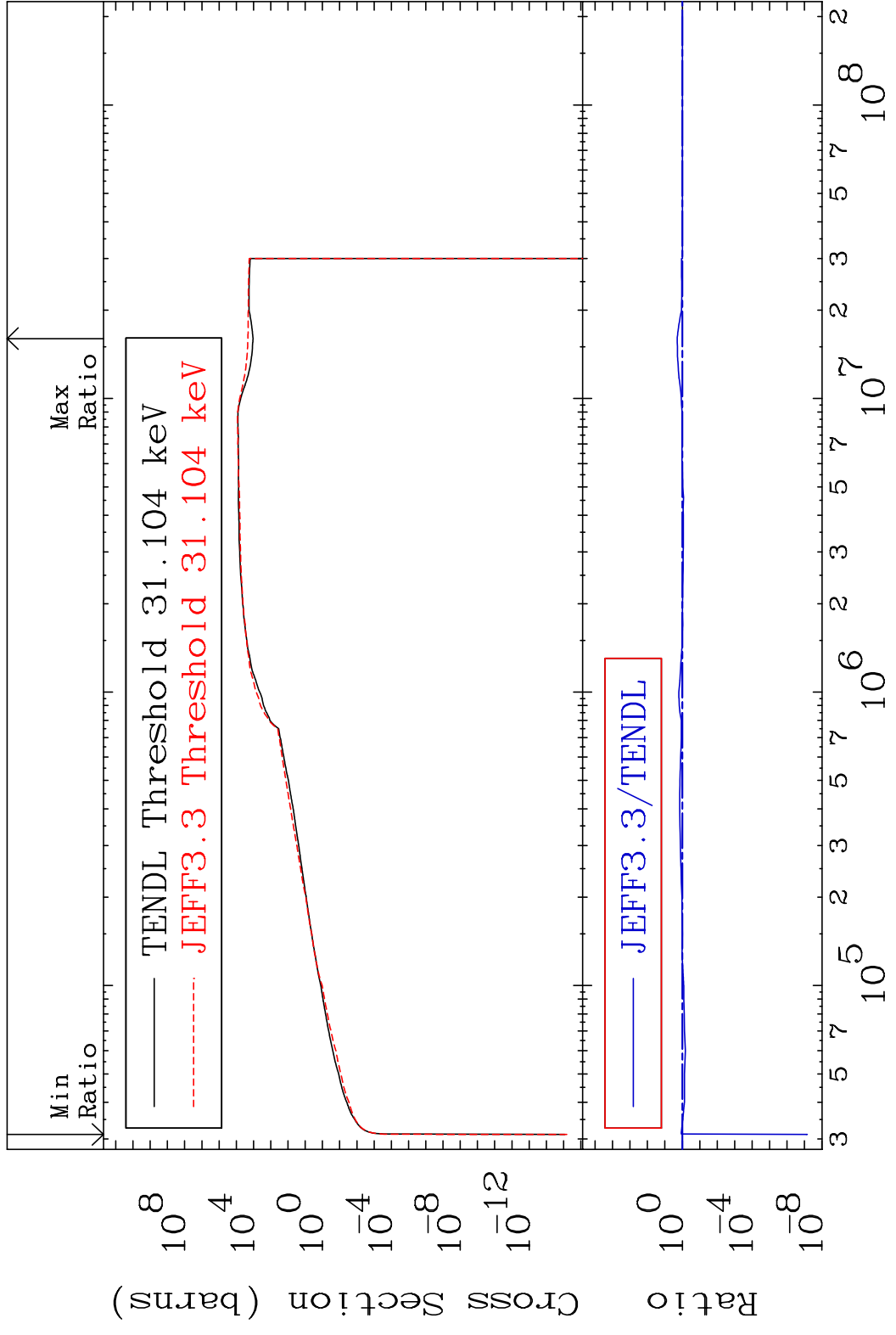


60

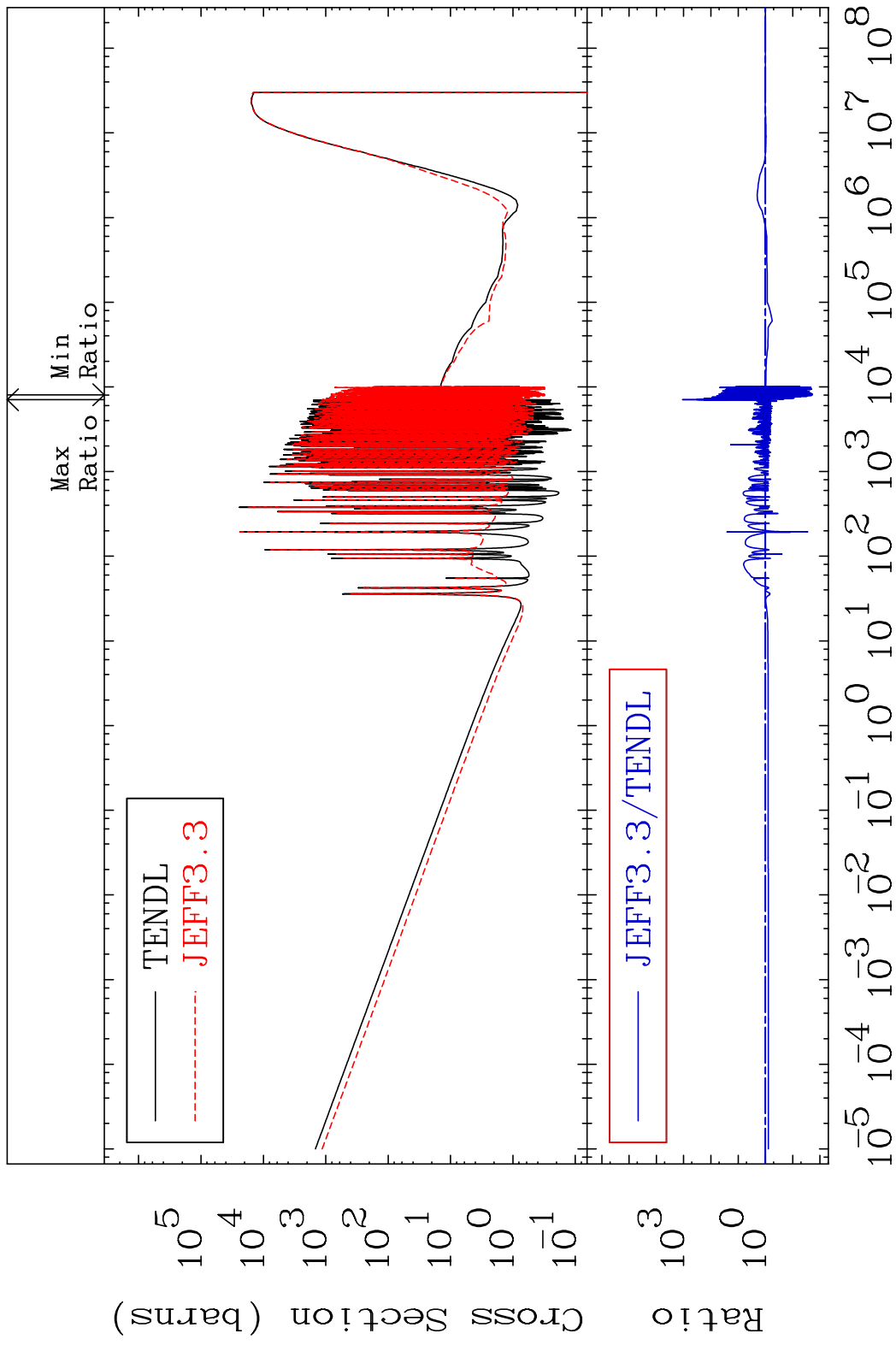
Incident Energy (eV)

41-Nb-93

MAT 4125 Dpa inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 96.79 %

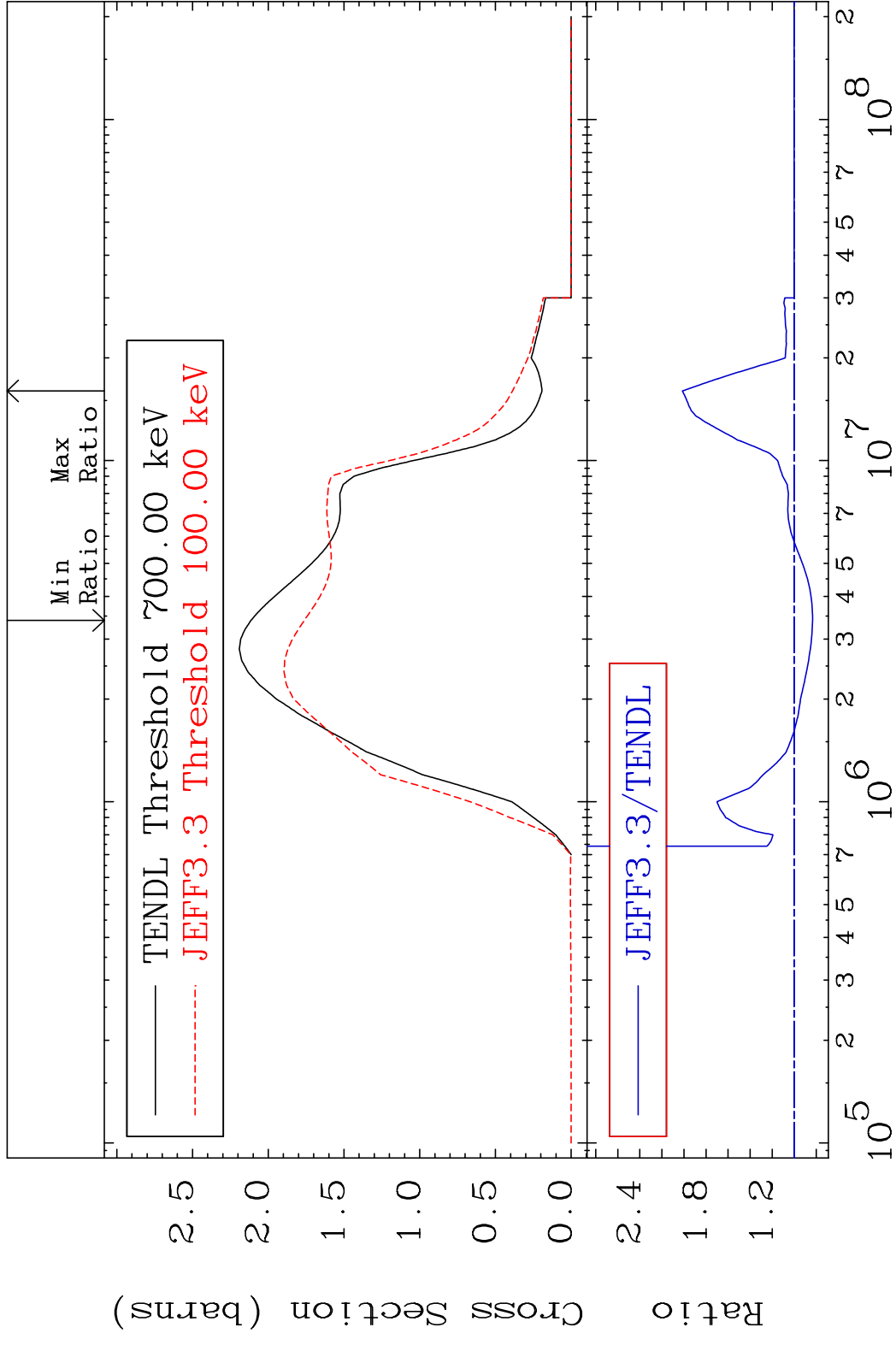


MAT 4125 Dpa disappearance (mt102 -120) 41-Nb-93
 Cross Section -98.12 To 9999. %



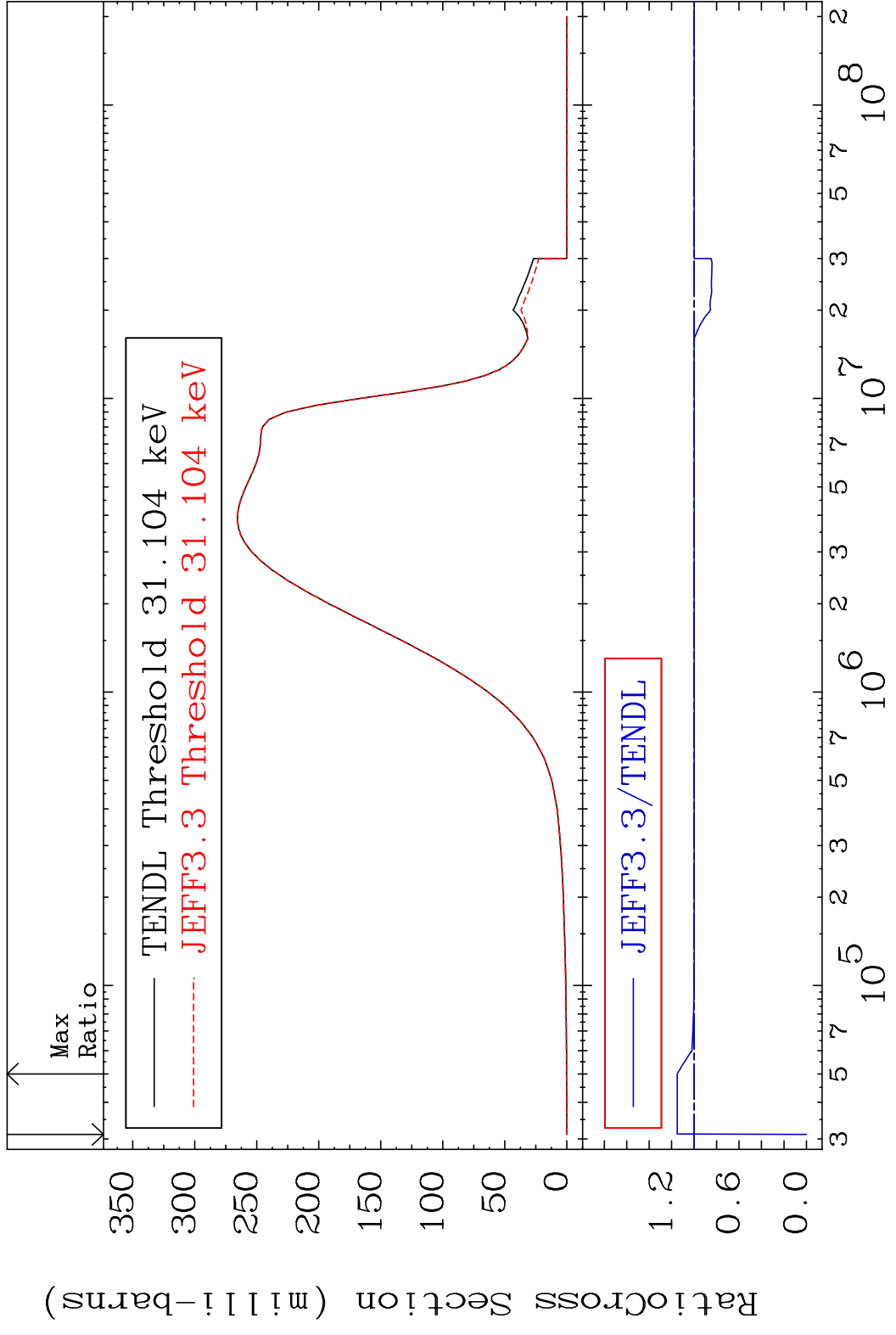
62 Incident Energy (eV) 41-Nb-93

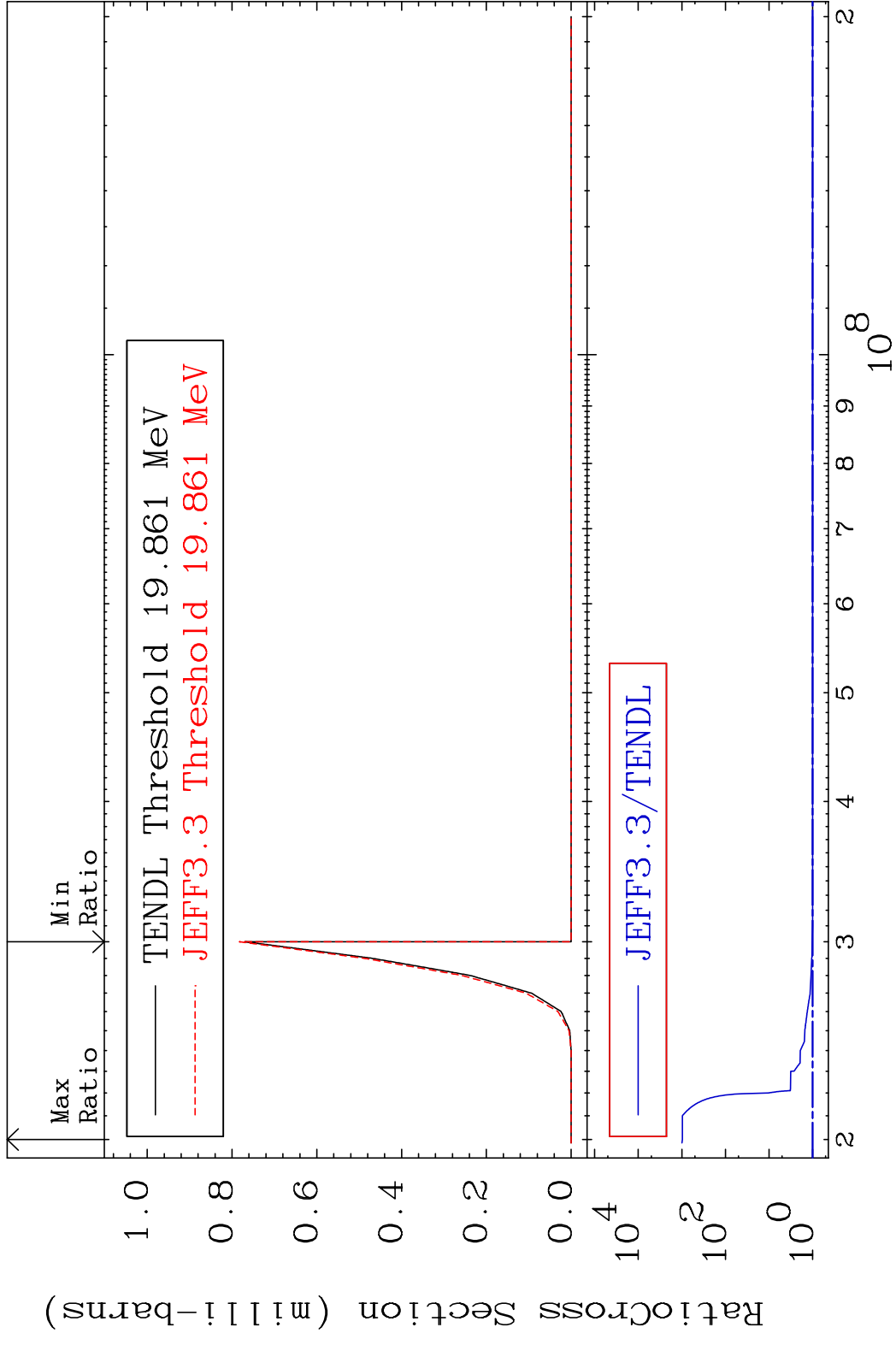
MAT 4125 Inelastic: 41-Nb-93g 41-Nb-93
 Radionuclide Production Cross Section 186.641 dno 101.4 %



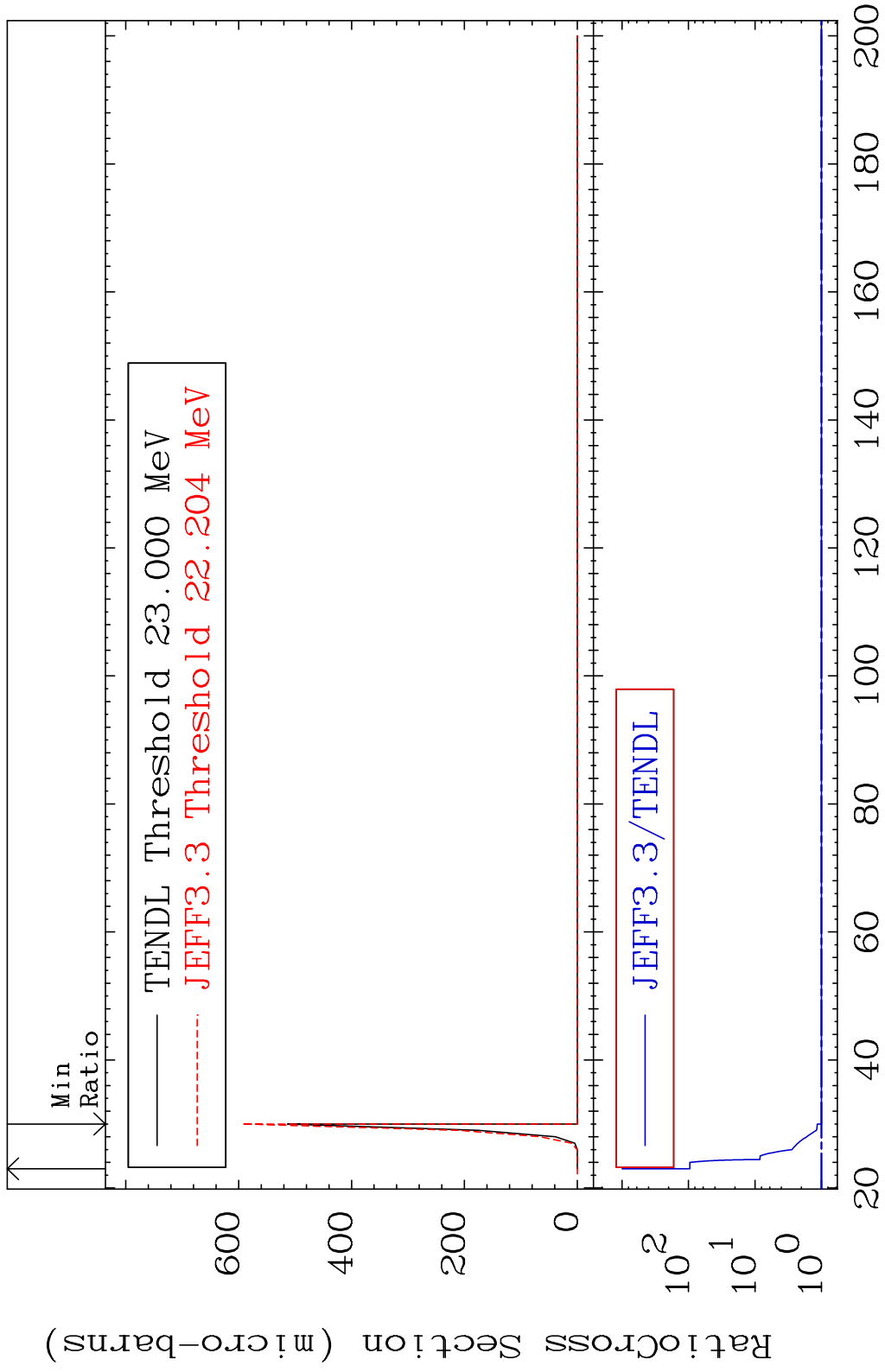
63 Incident Energy (eV) 41-Nb-93

MAT 4125 Inelastic: 41-Nb-93m1 41-Nb-93
 Radionuclide Production Cross Section 15.08 %

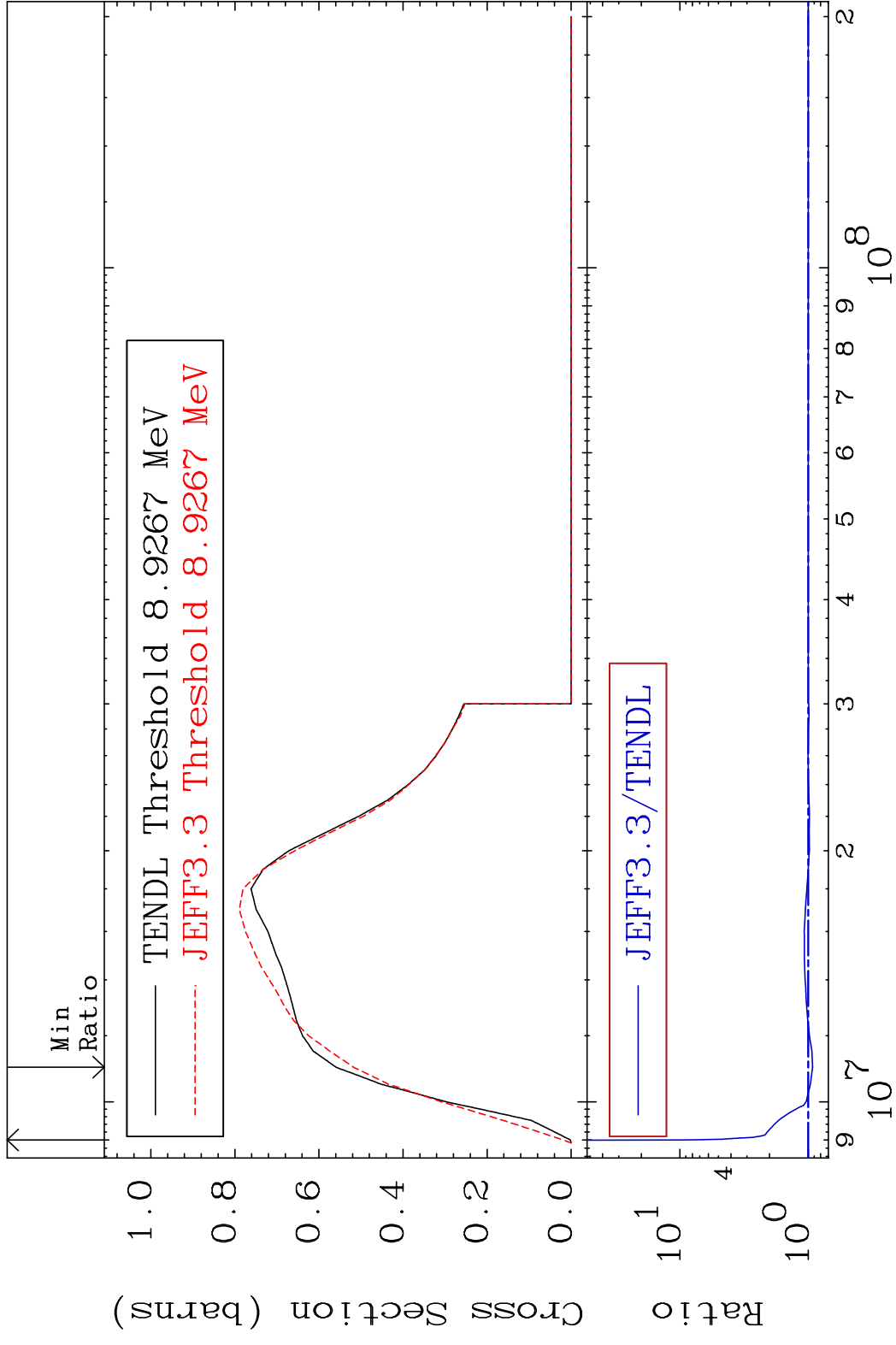




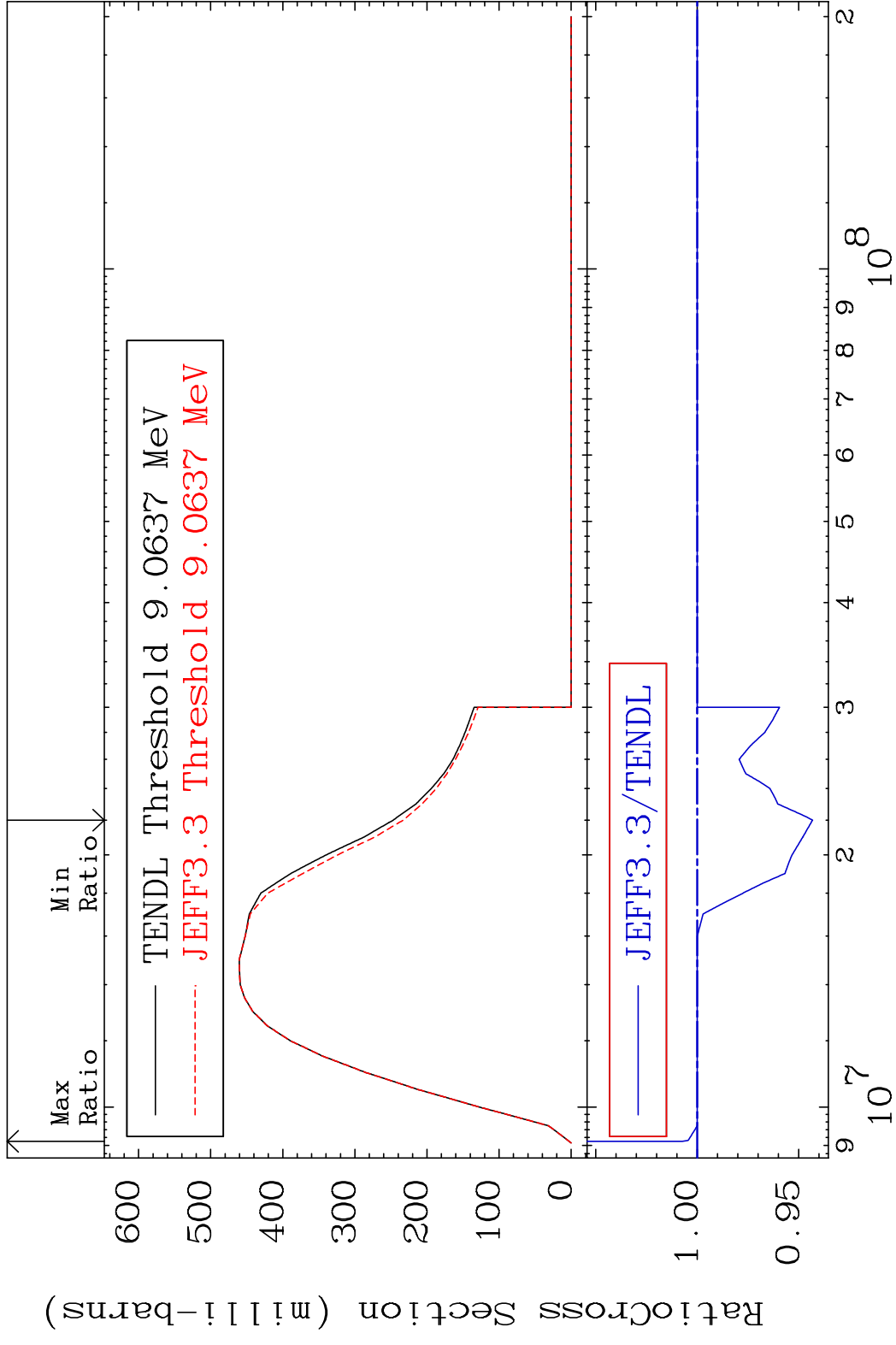
MAT 4125 (n,2n) d:40-Zr-90m3 41-Nb-93
 Radionuclide Production Cross Section 9473. %



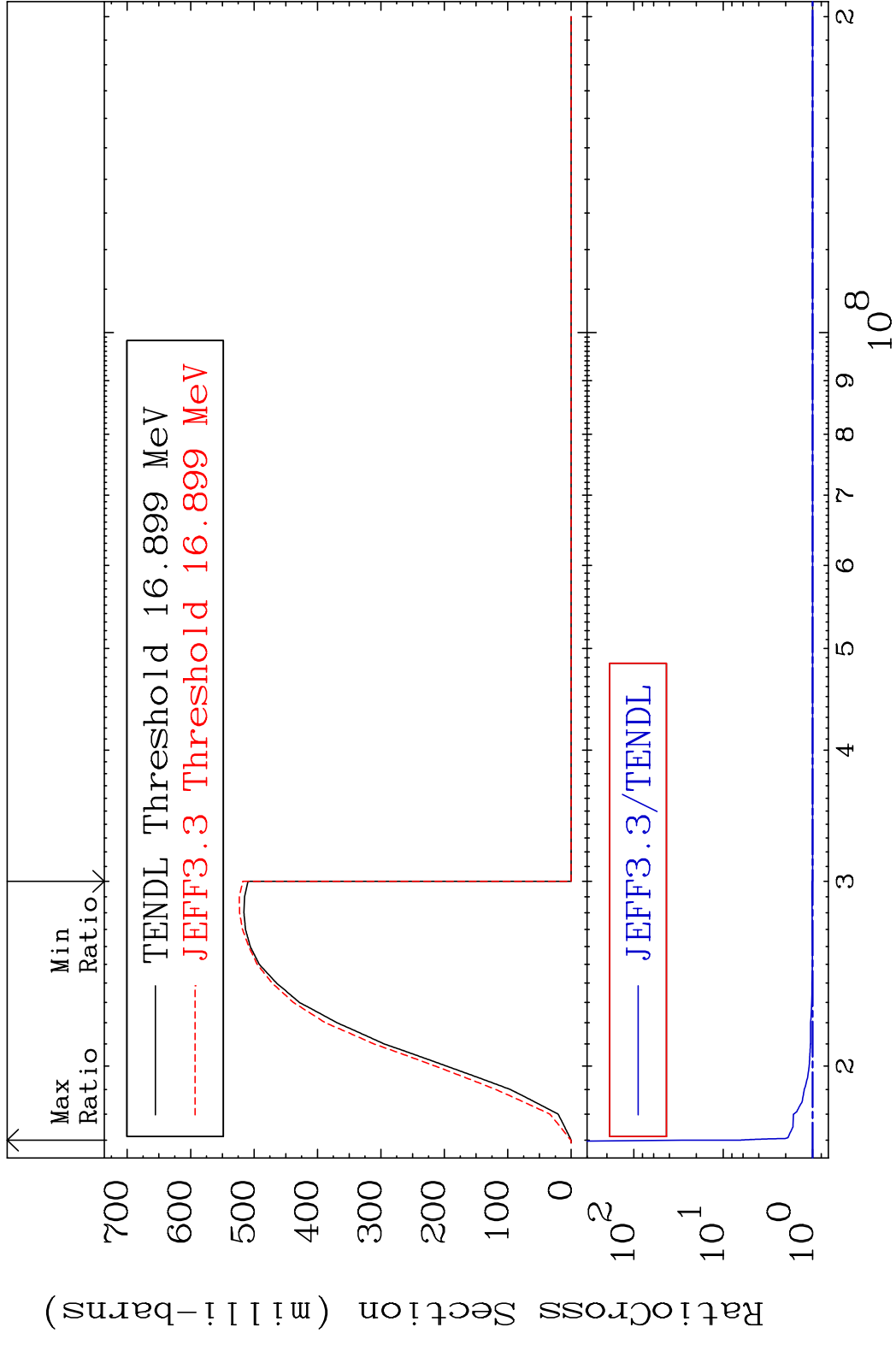
MAT 4125 (n,2n):41-Nb-92g 41-Nb-93
 Radionuclide Production Cross Section 857.0 %



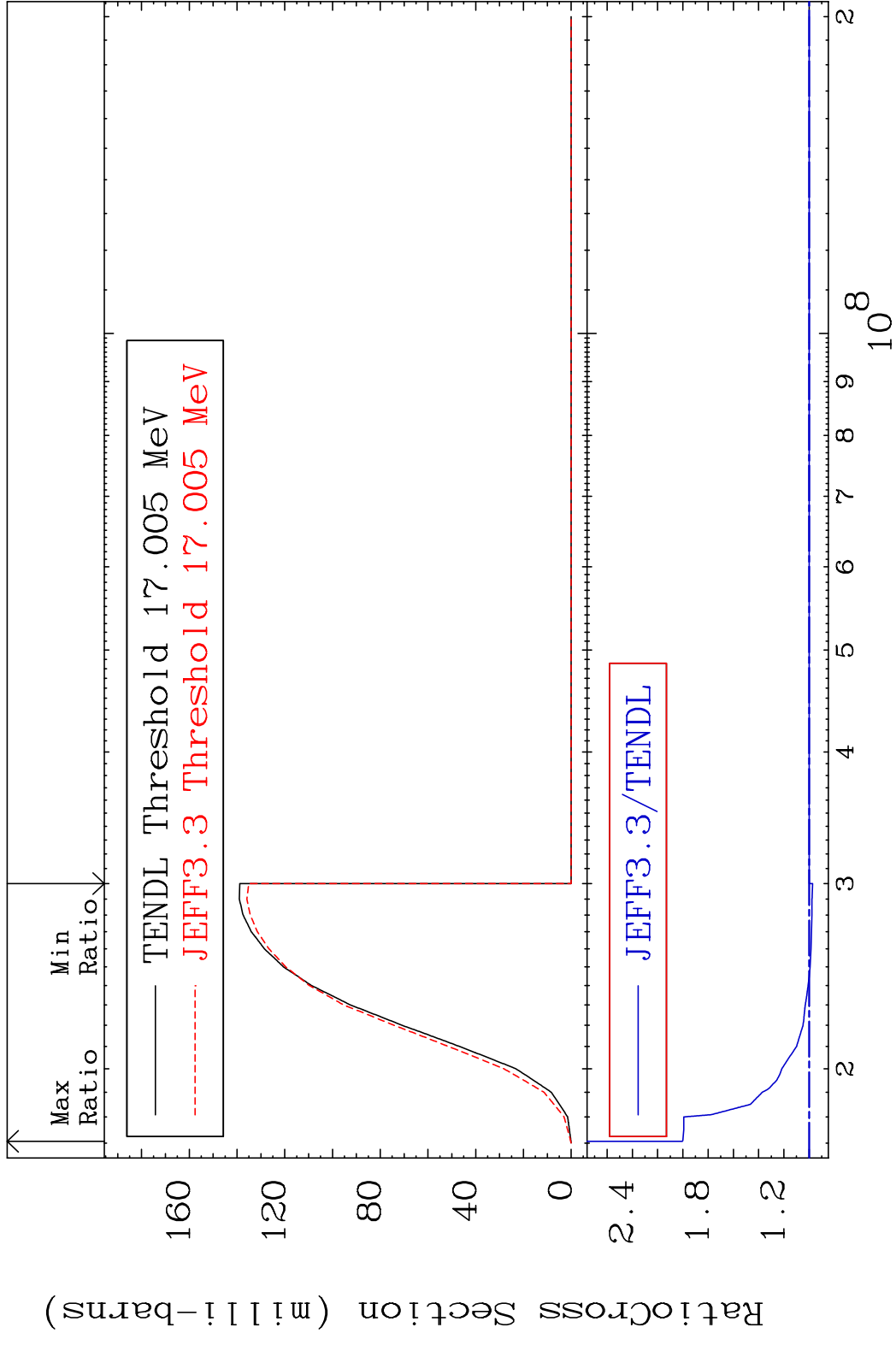
MAT 4125 (n,2n) : 41-Nb-92m1 41-Nb-93
 Radionuclide Production Cross Section 5682110 0.734 %



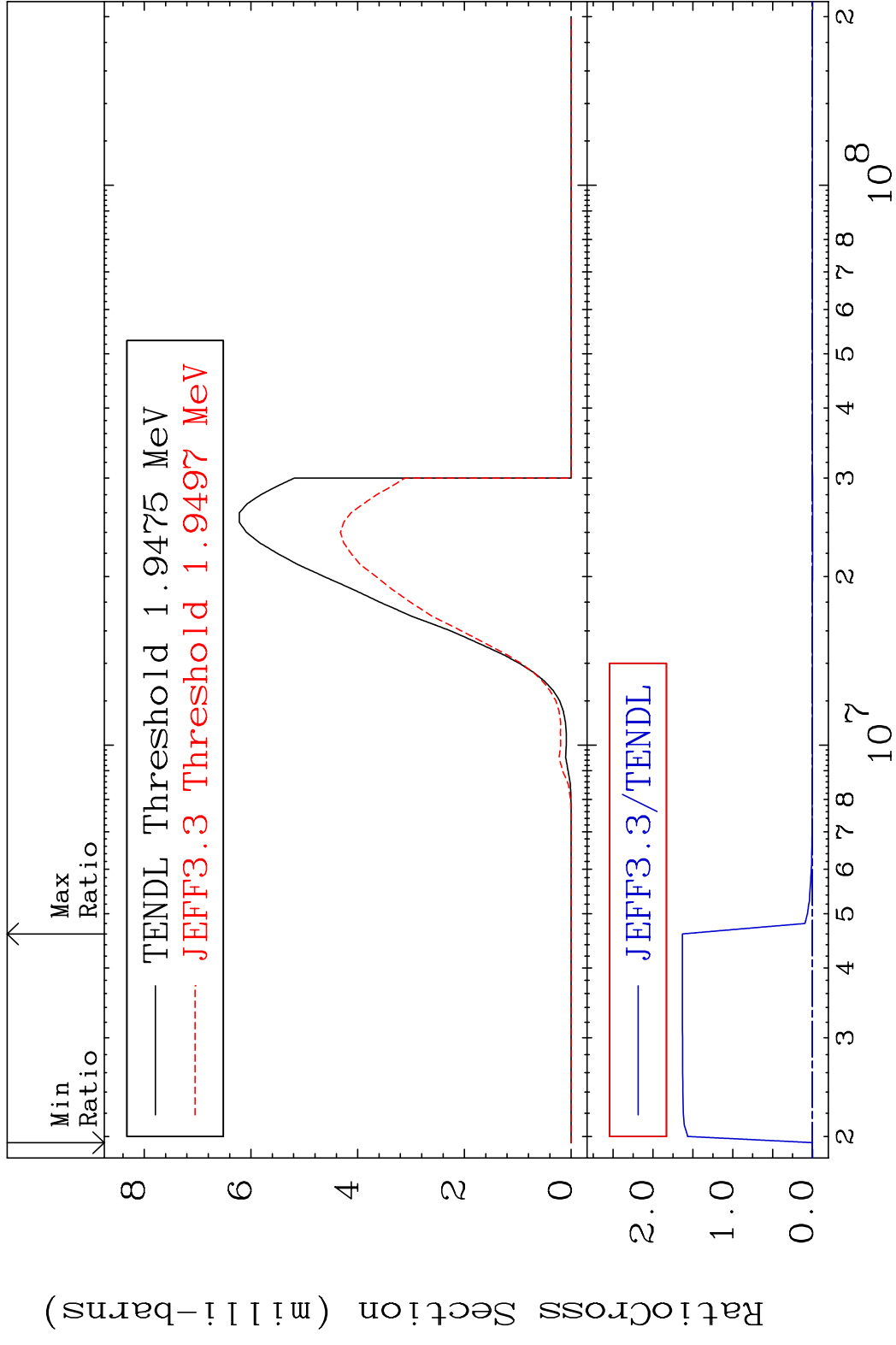
68 Incident Energy (eV) 41-Nb-93

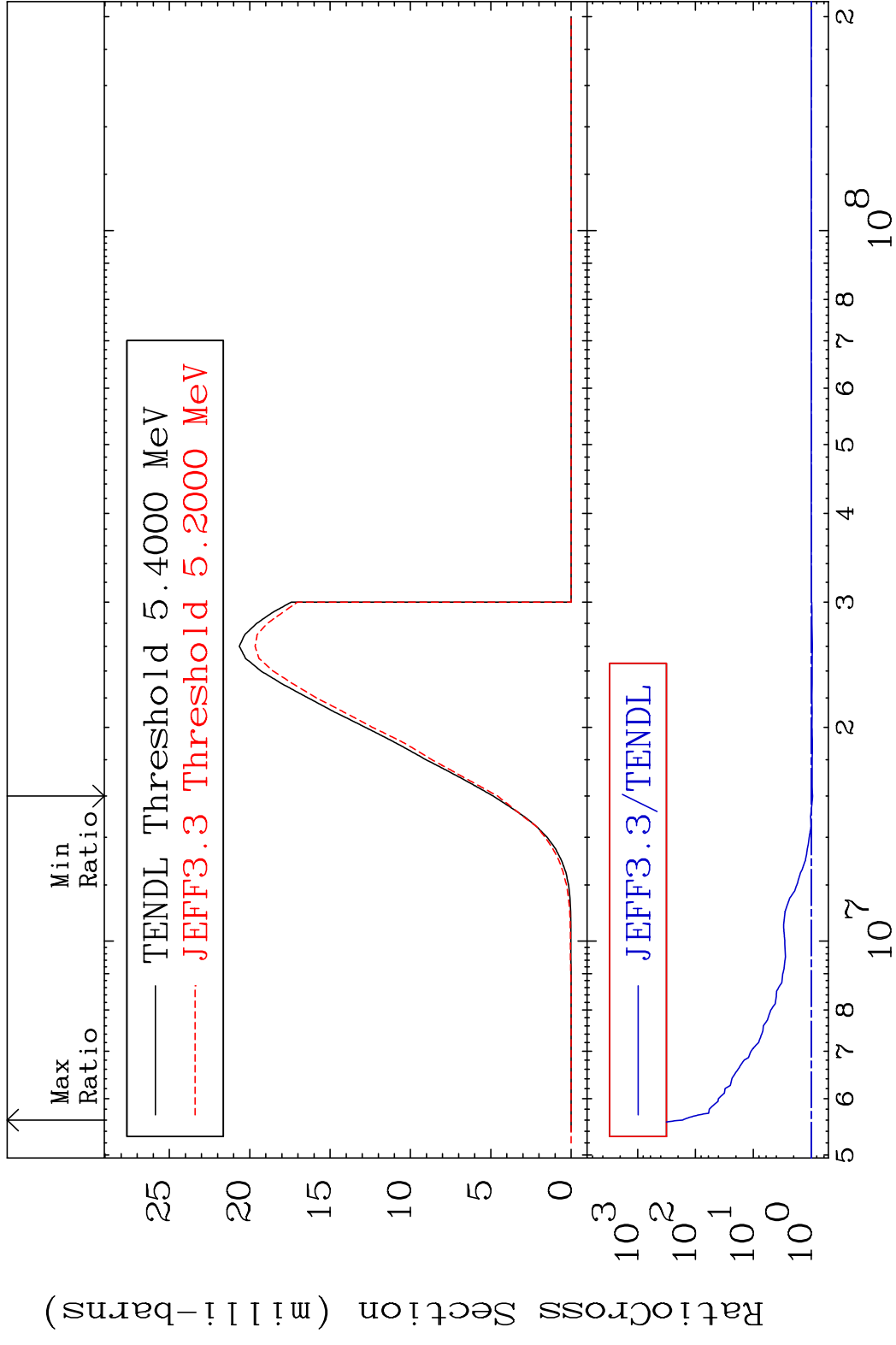


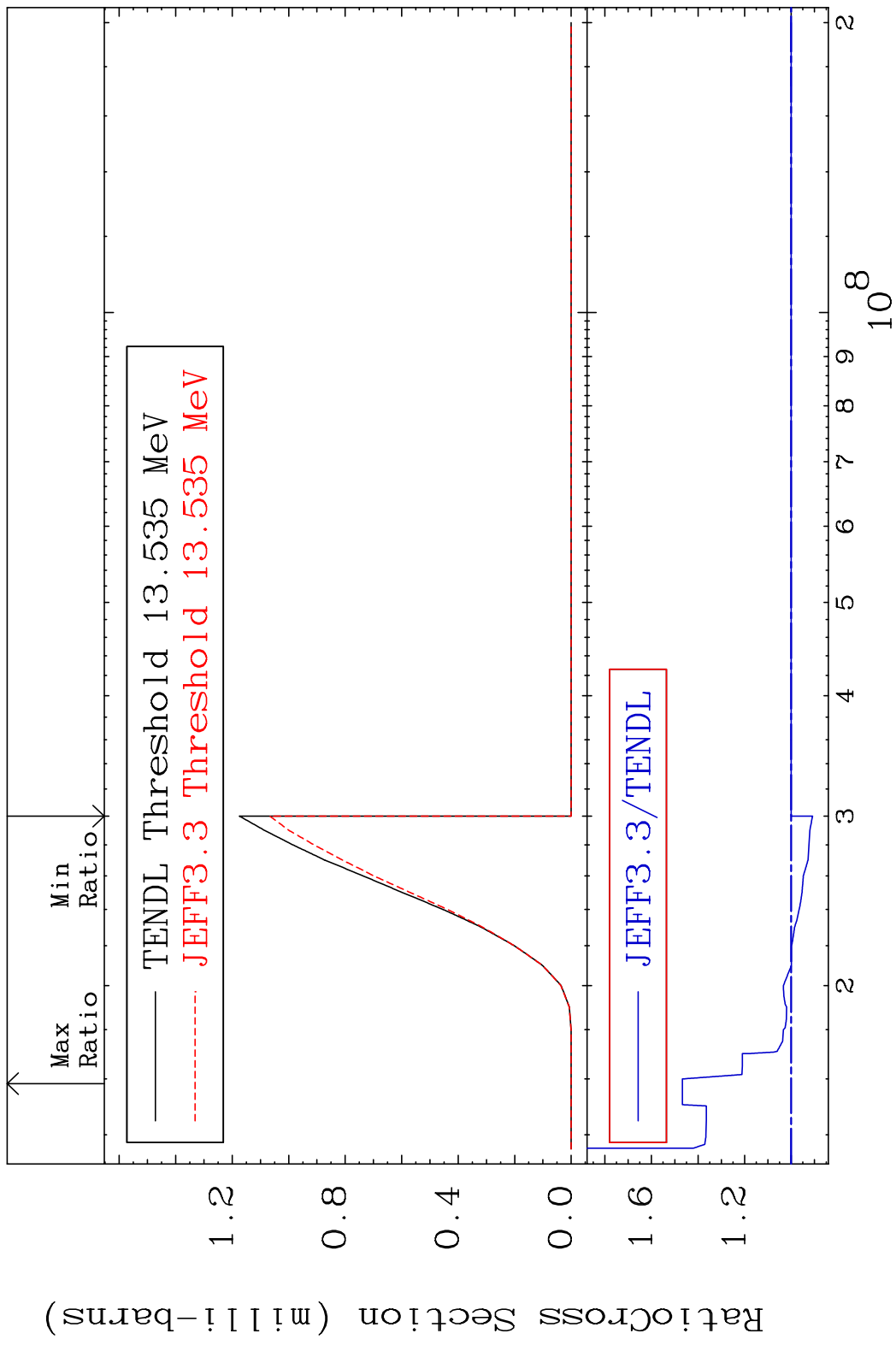
MAT 4125 (n,3n):41-Nb-91m1 41-Nb-93
 Radionuclide Production Cross Section 100.4 %

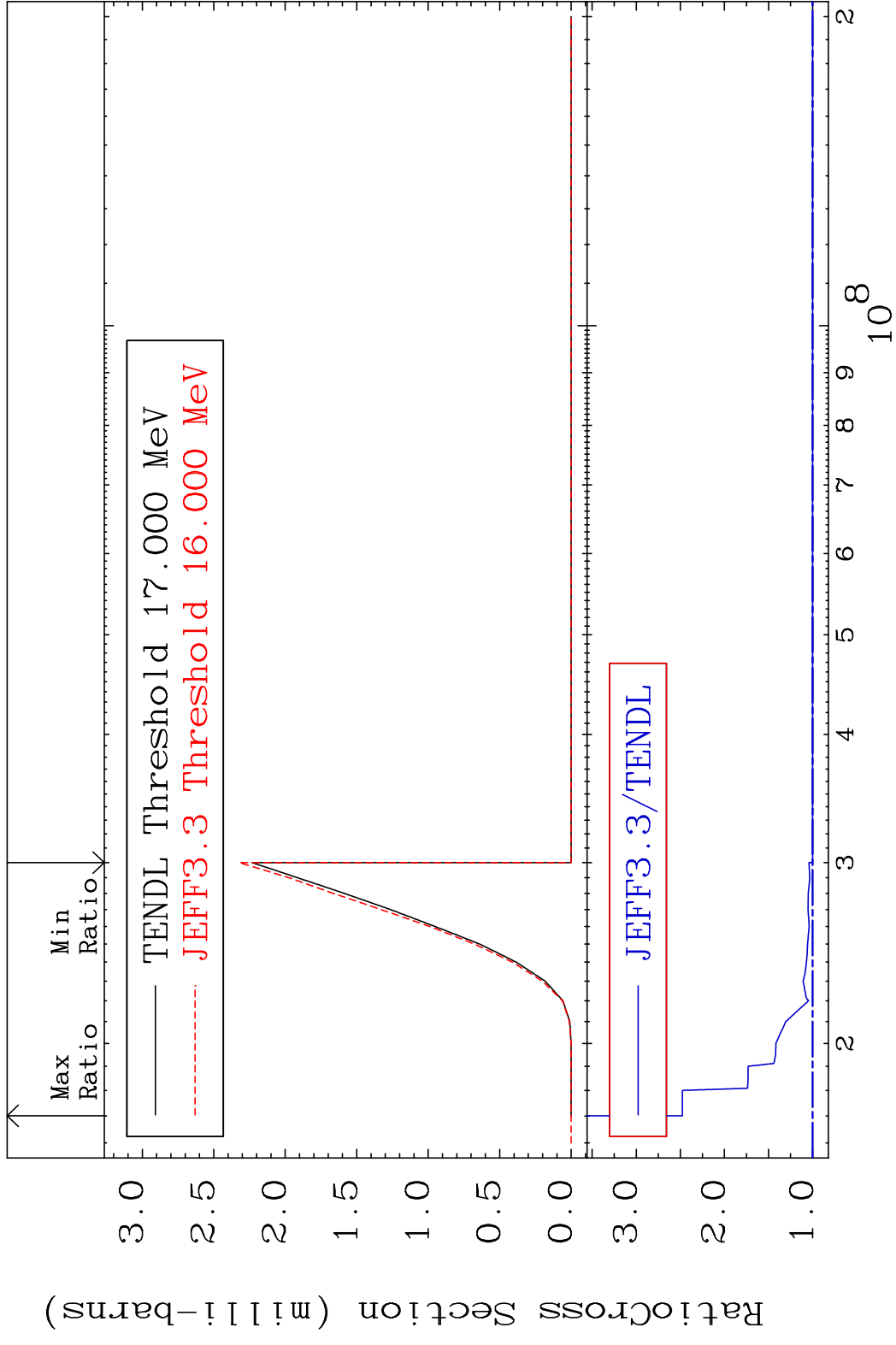


MAT 4125 (n, n') α :39-Y -89g 41-Nb-93
 Radionuclide Production Cross Section Ratio 9999. %

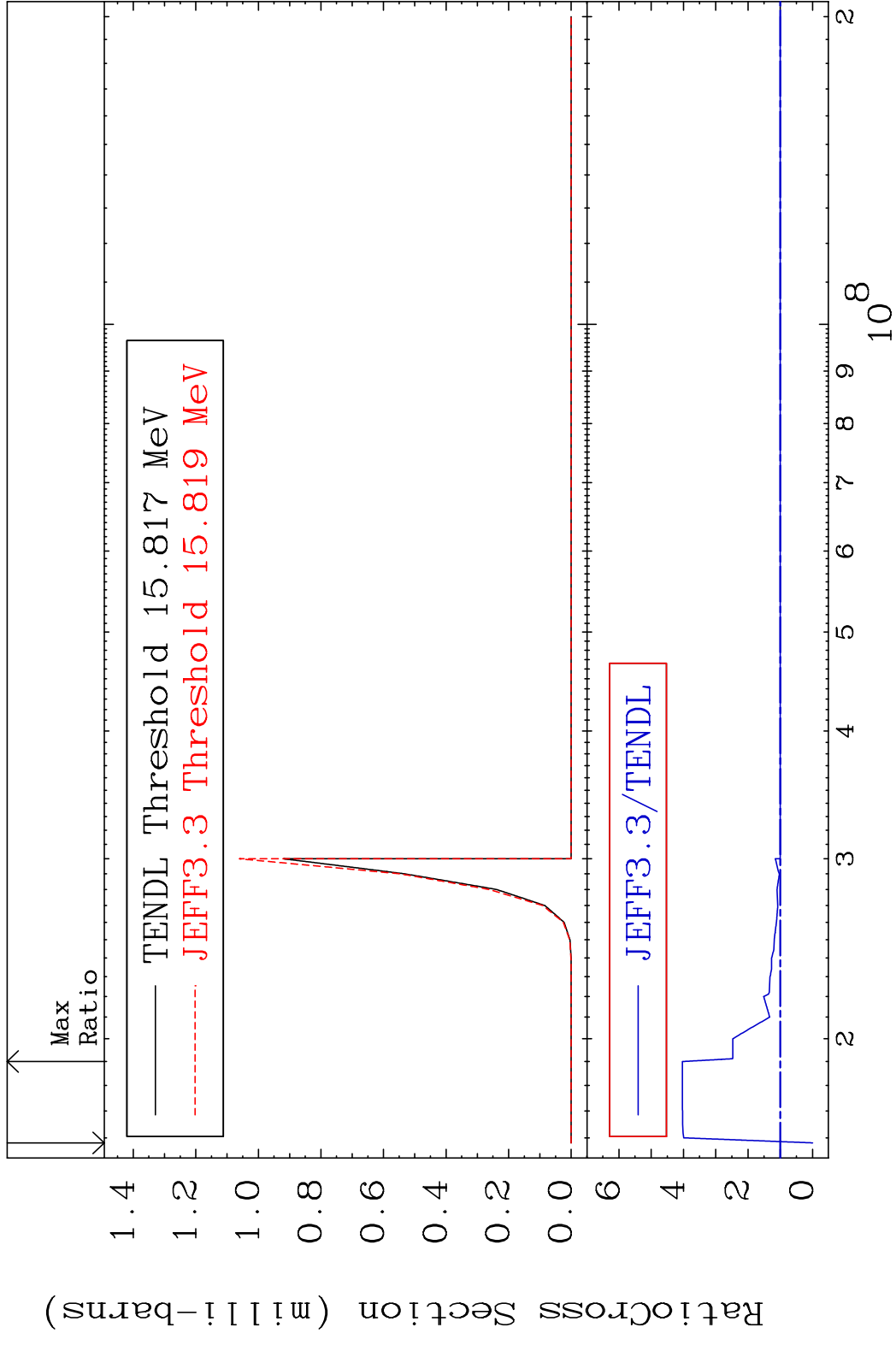


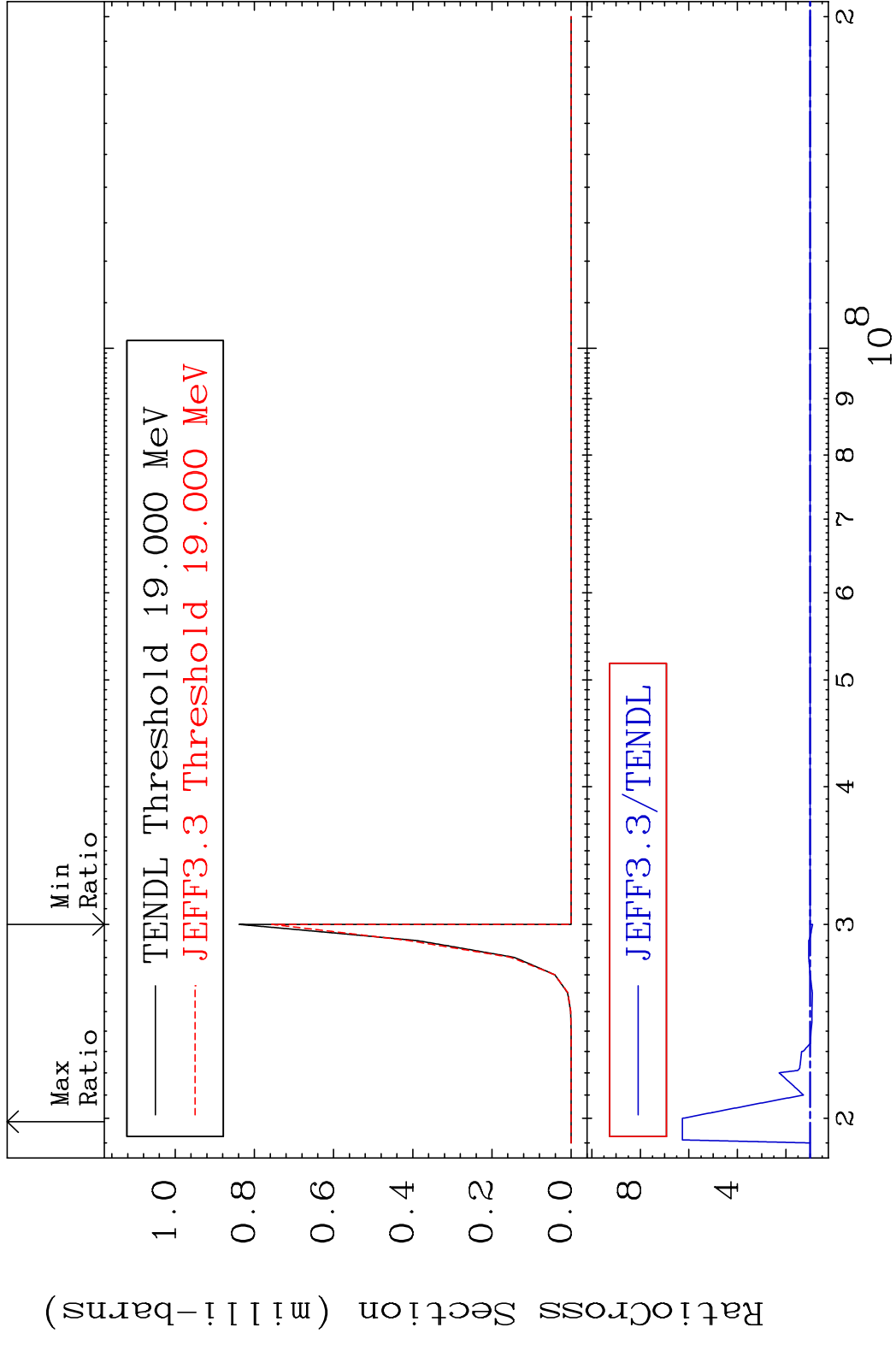


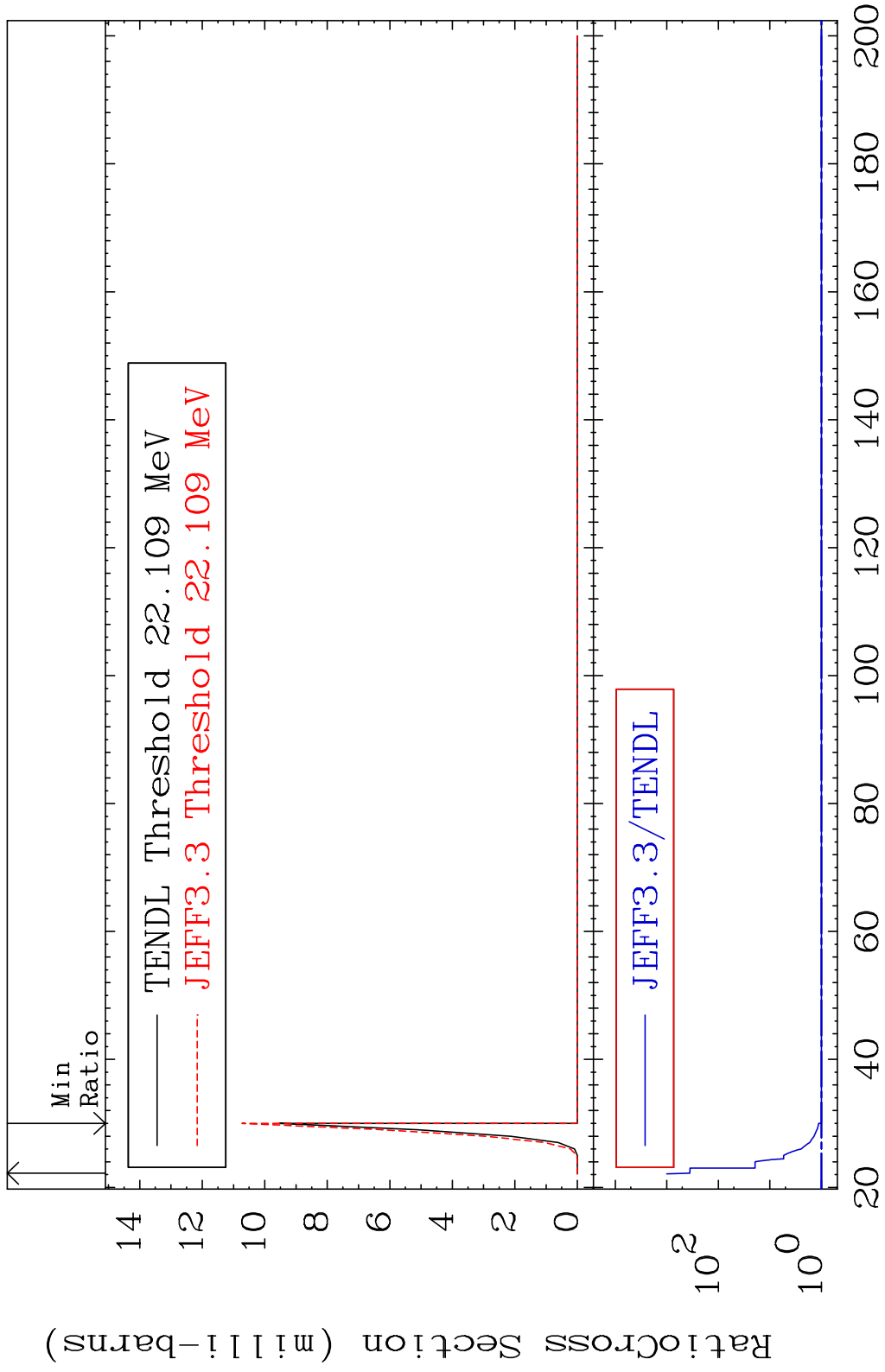


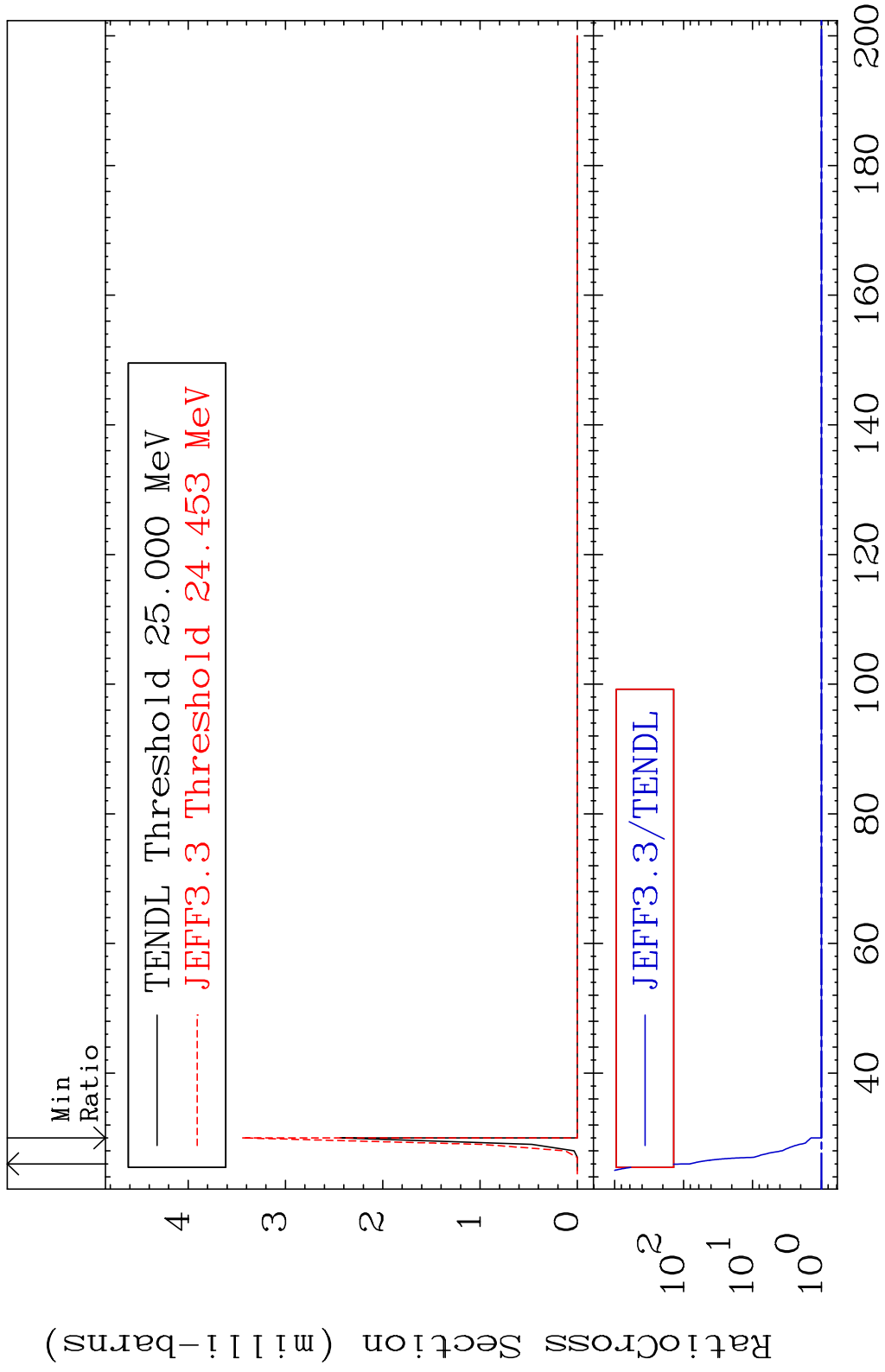


MAT 4125 (n, n') He-3:39-Y -90g 41-Nb-93
 Radionuclide Production Cross Section 180.0 dth 303.4 %

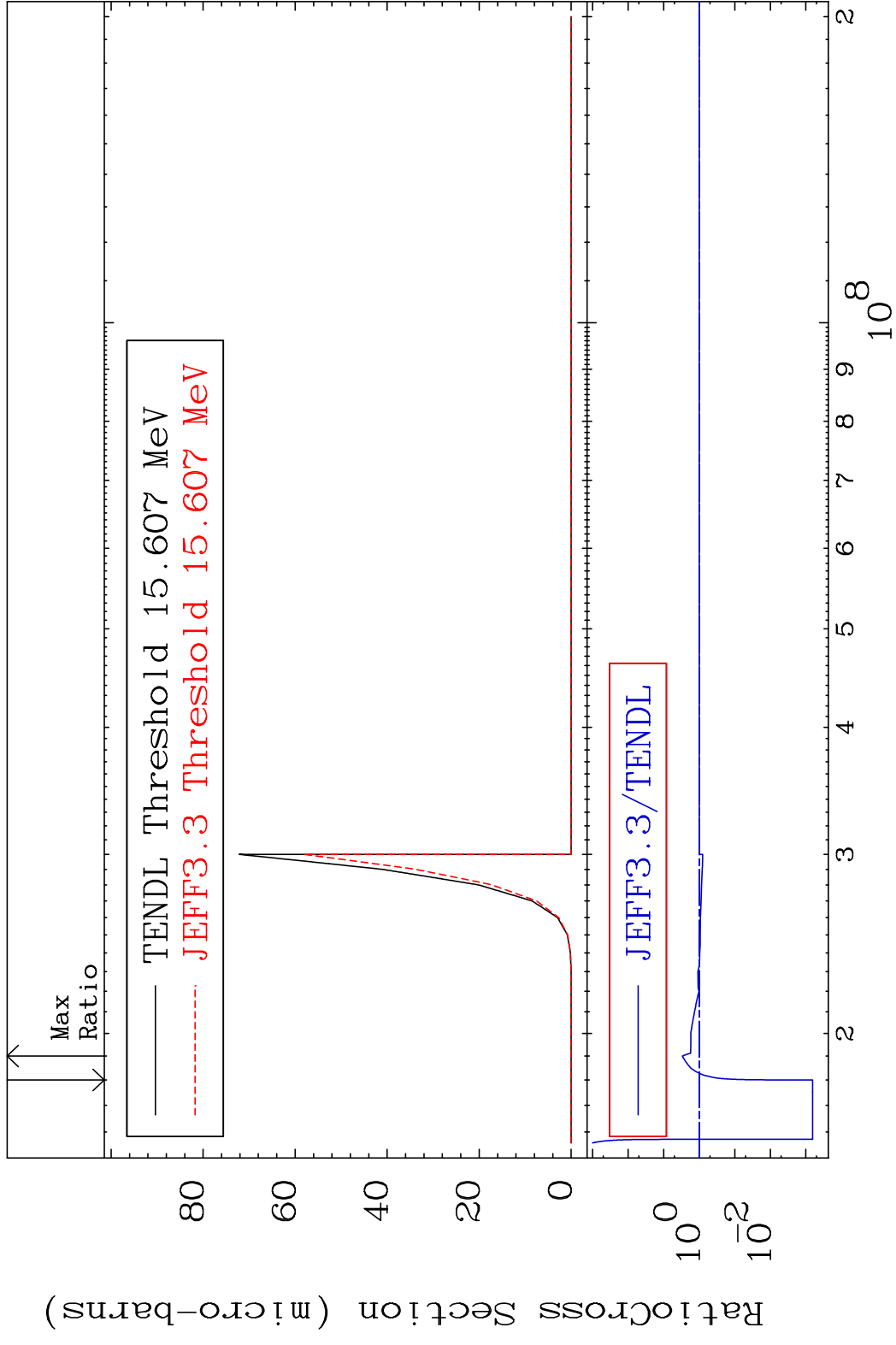




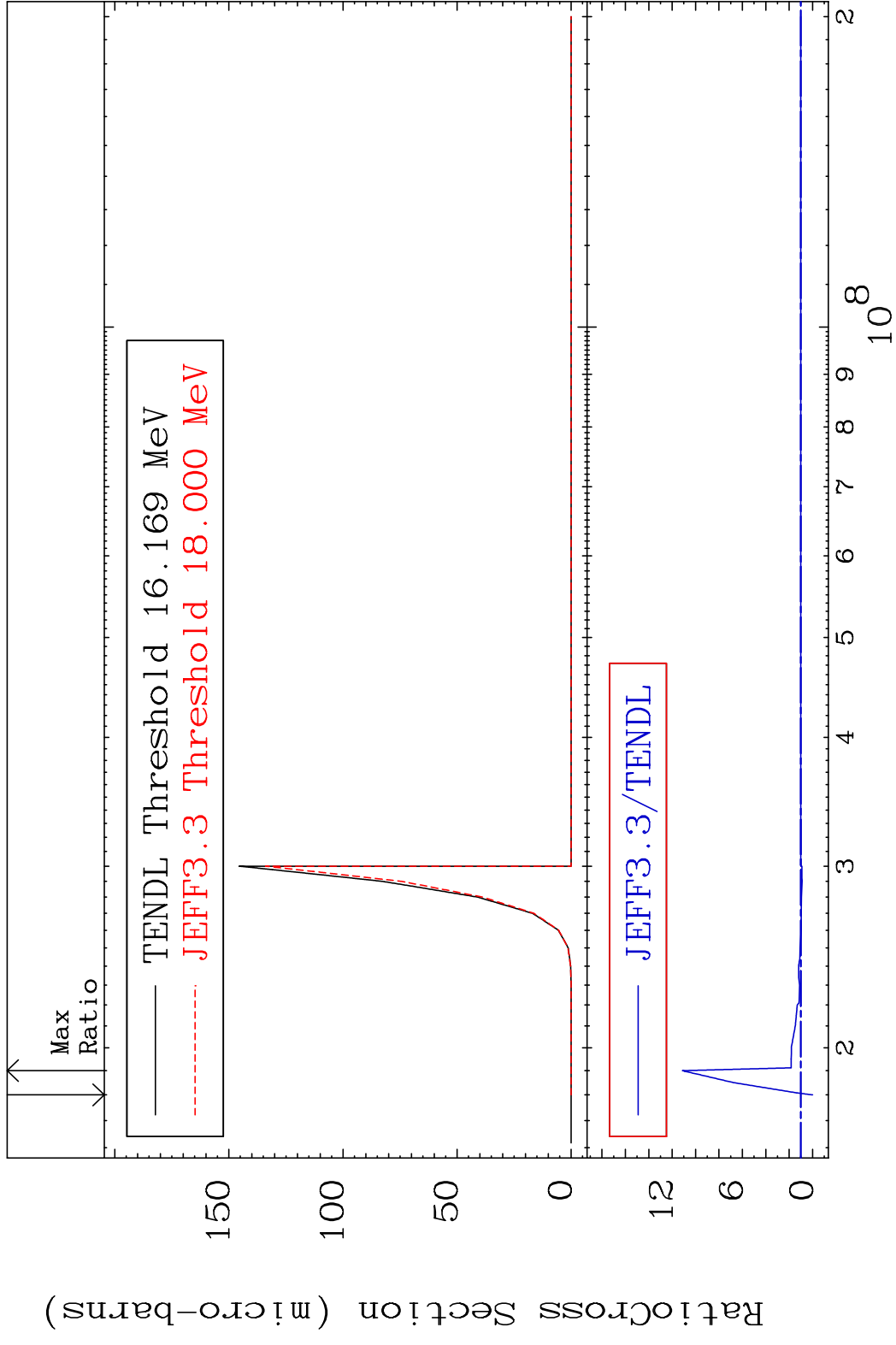


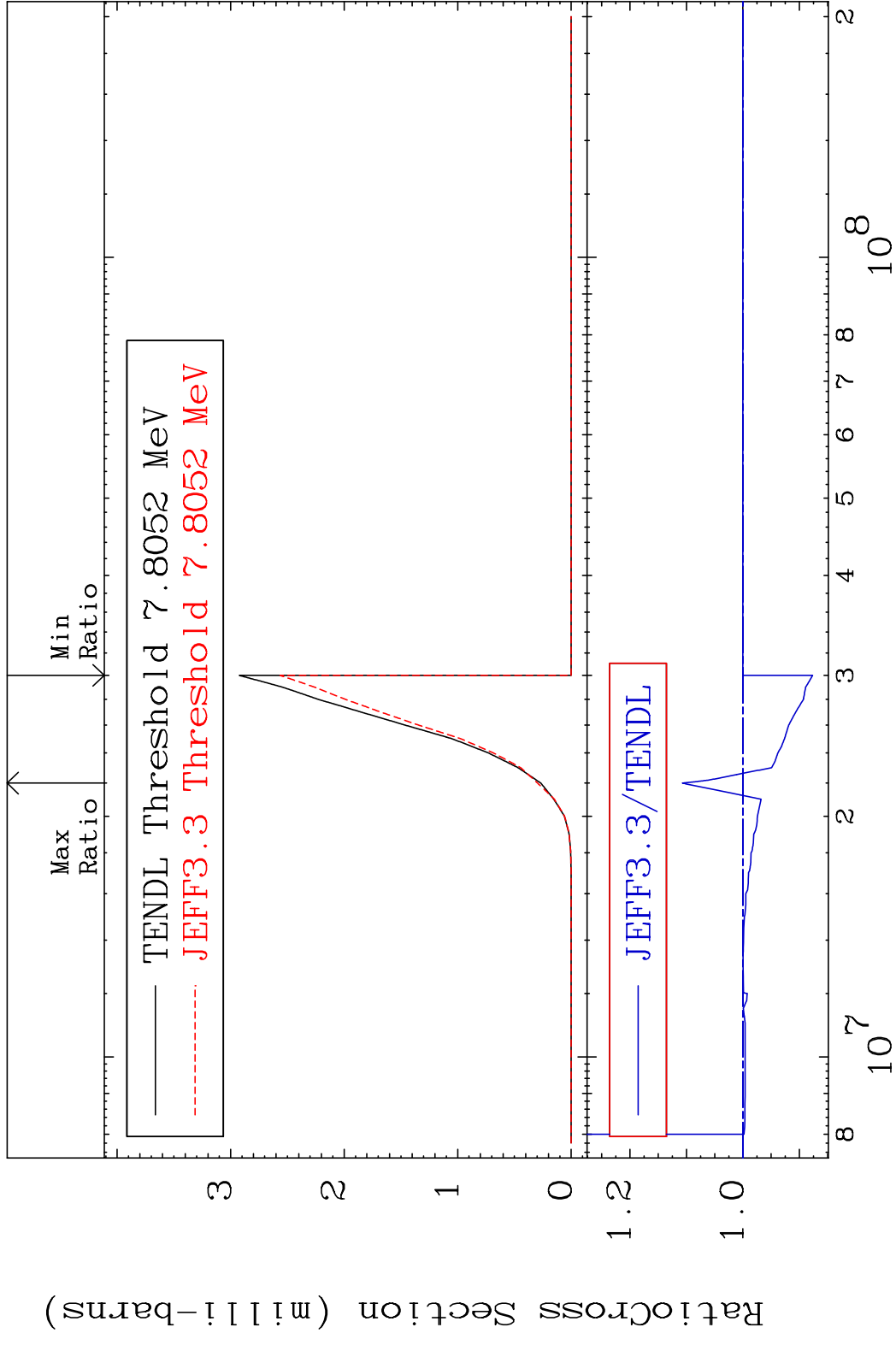


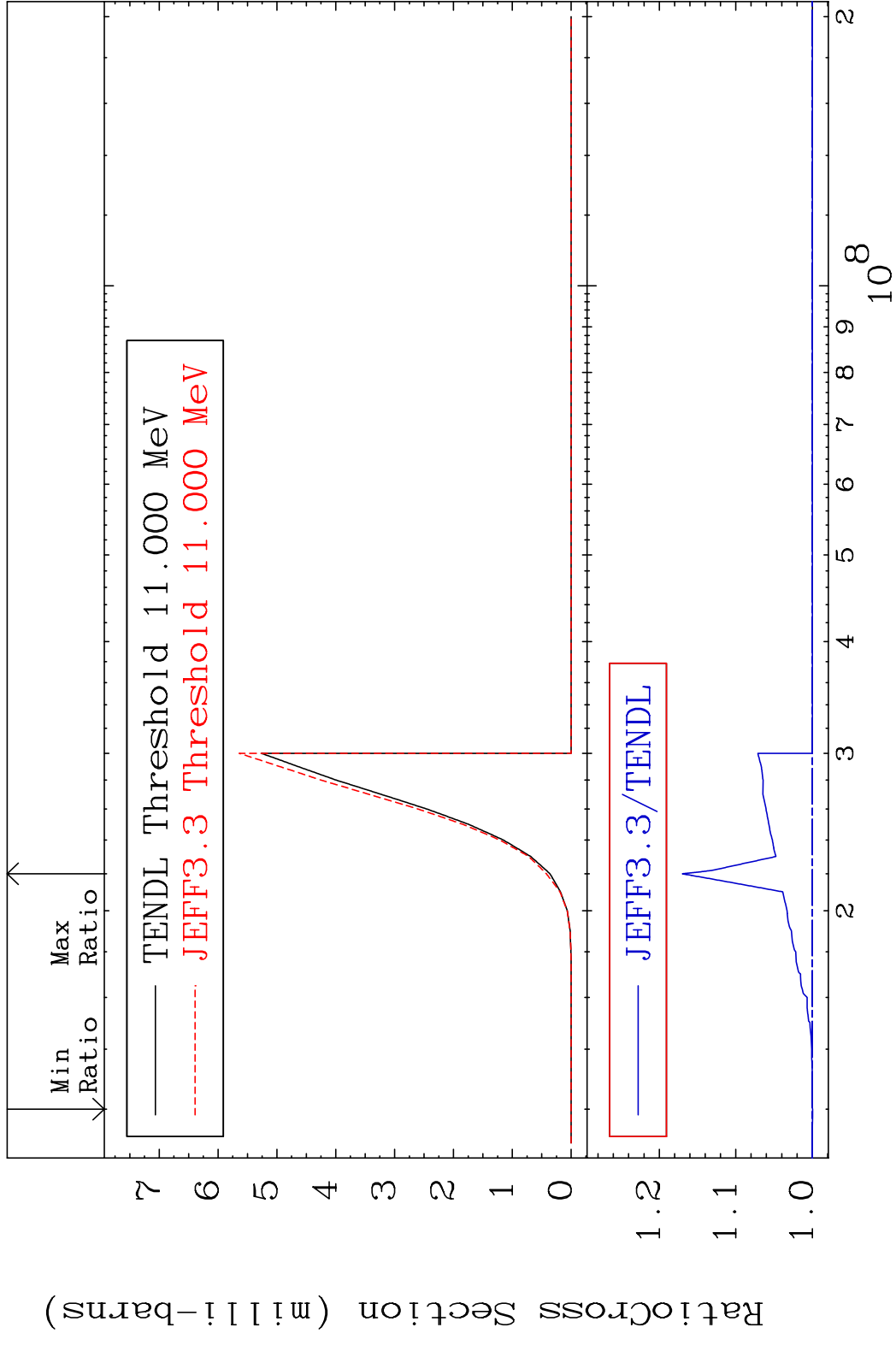
MAT 4125 (n,2n) p:39-Y -91g 41-Nb-93
 Radionuclide Production Cross Section 98.641 d to 197.9 %



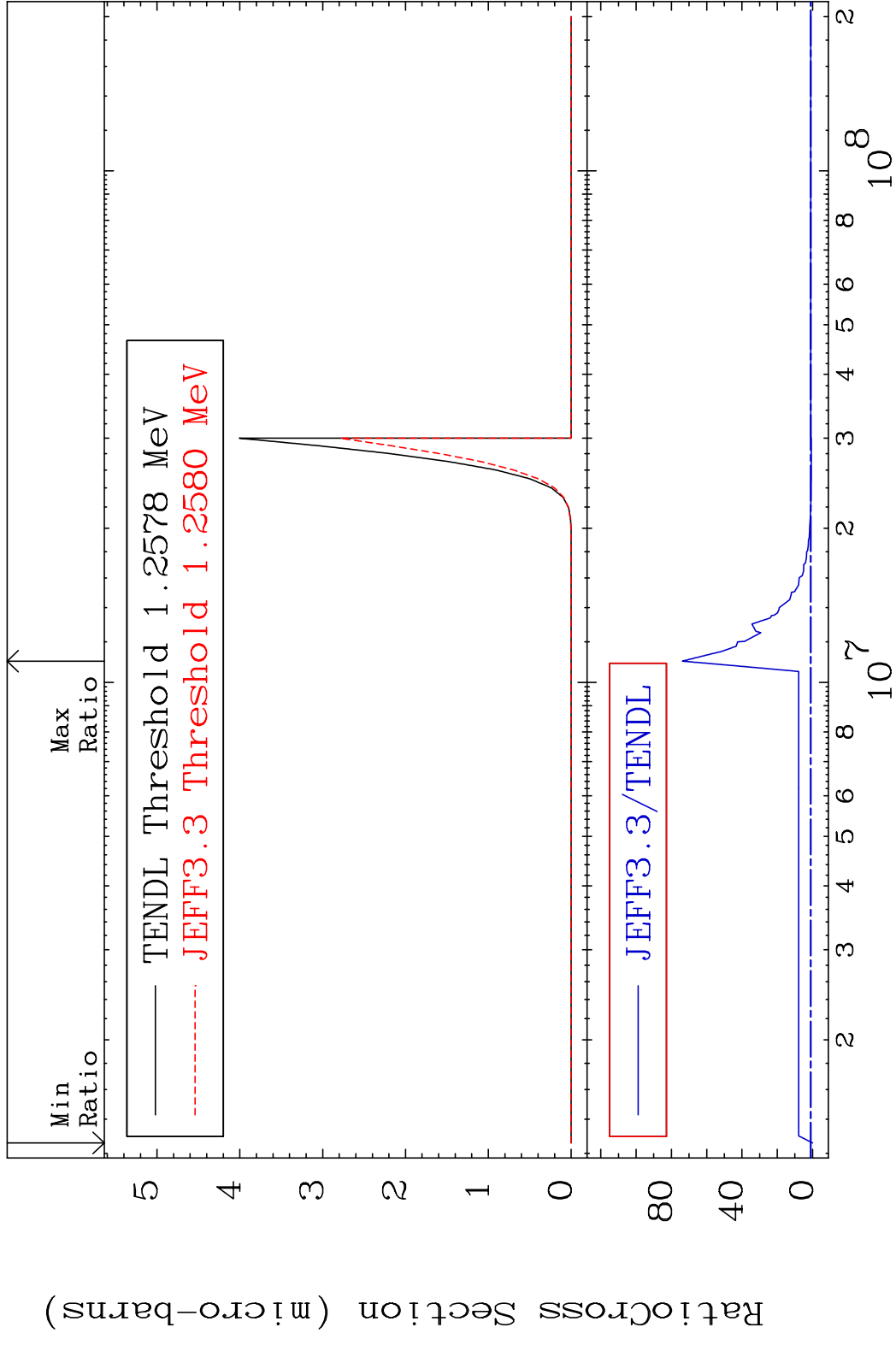
MAT 4125 (n,2n) p:39-Y -91m1 41-Nb-93
 Radionuclide Production Cross Section 1013. %

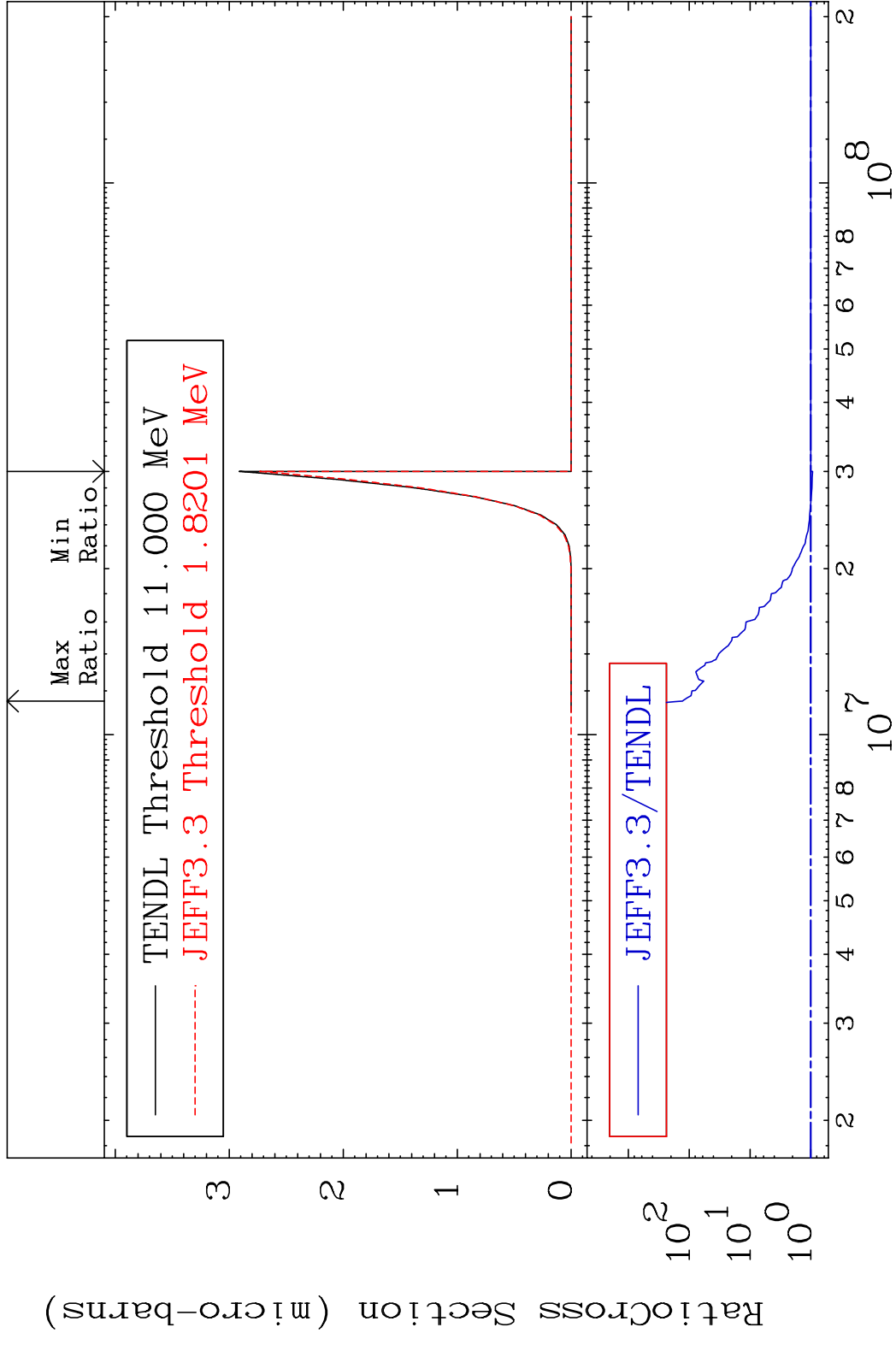


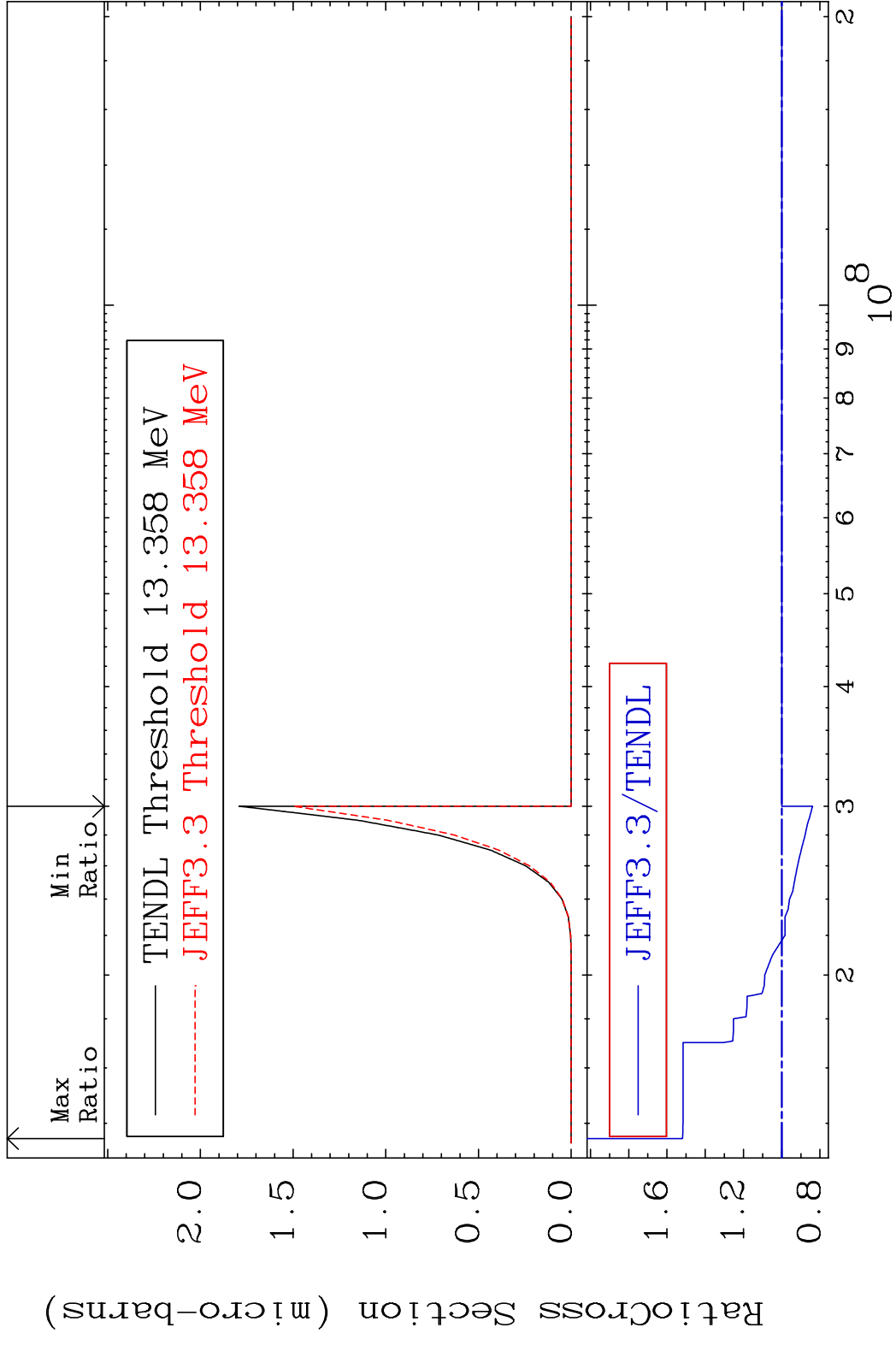


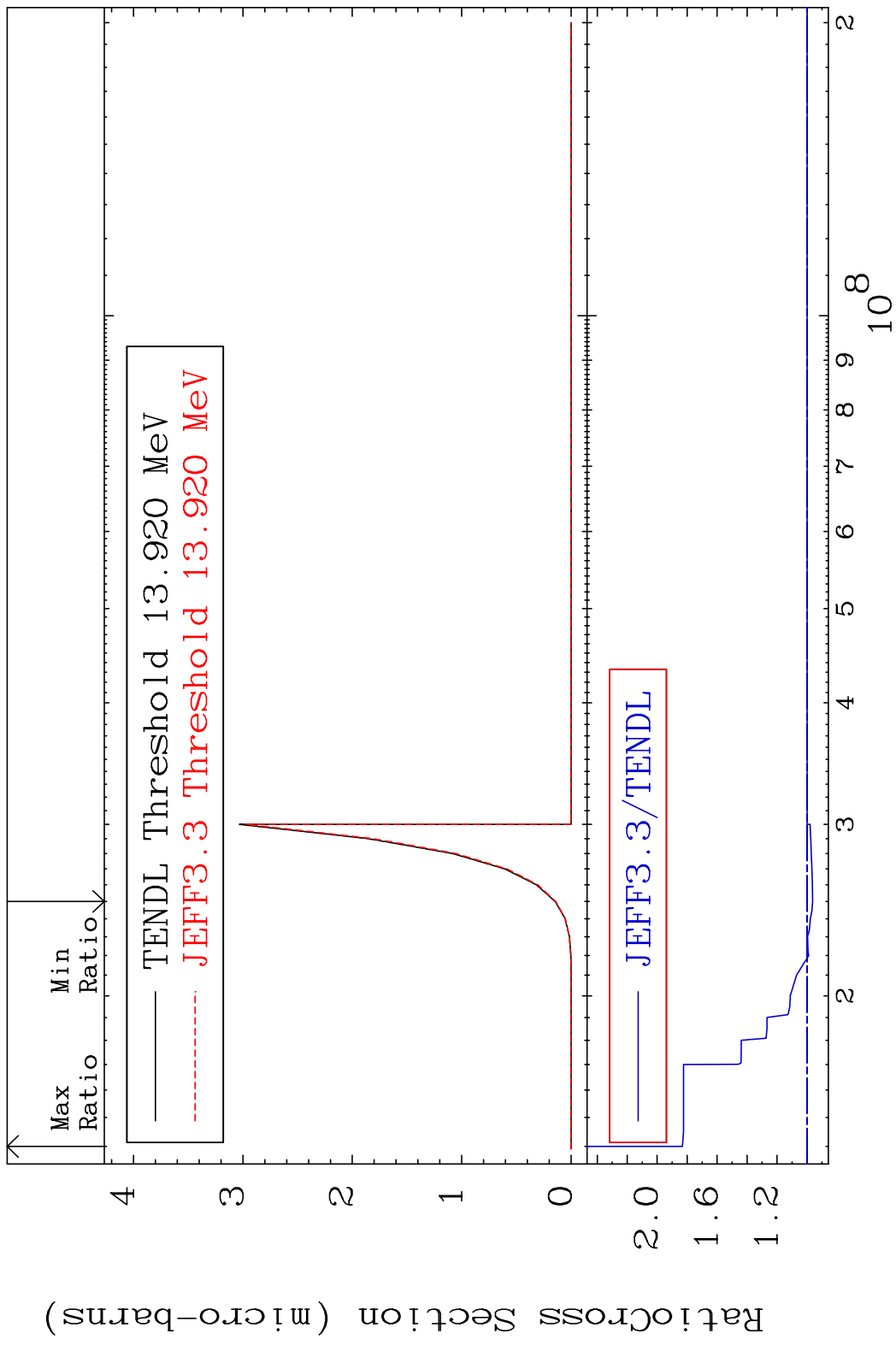


MAT 4125 (n,2α):37-Rb-86g 41-Nb-93
 Radionuclide Production Cross Section 180c01.d10 7279. %









MAT 4125 (n, p) t:39-Y -90g 41-Nb-93
 Radionuclide Production Cross Section 180.01 dth 42.40 %

