

Program Complot
(Version 2021-1)

by

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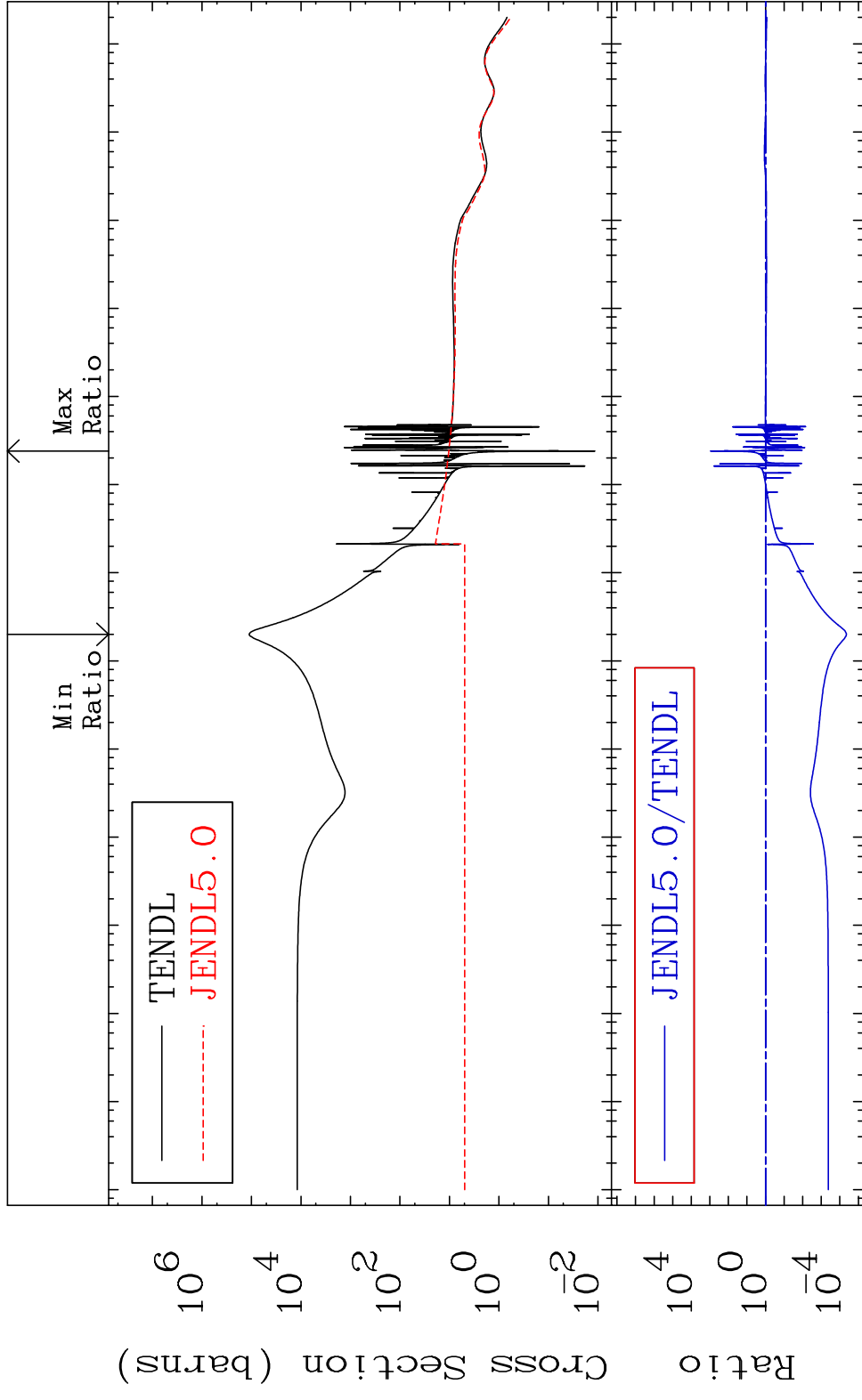
Press Mouse Button to Start

MAT 4019

40-Zr-88

Elastic

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

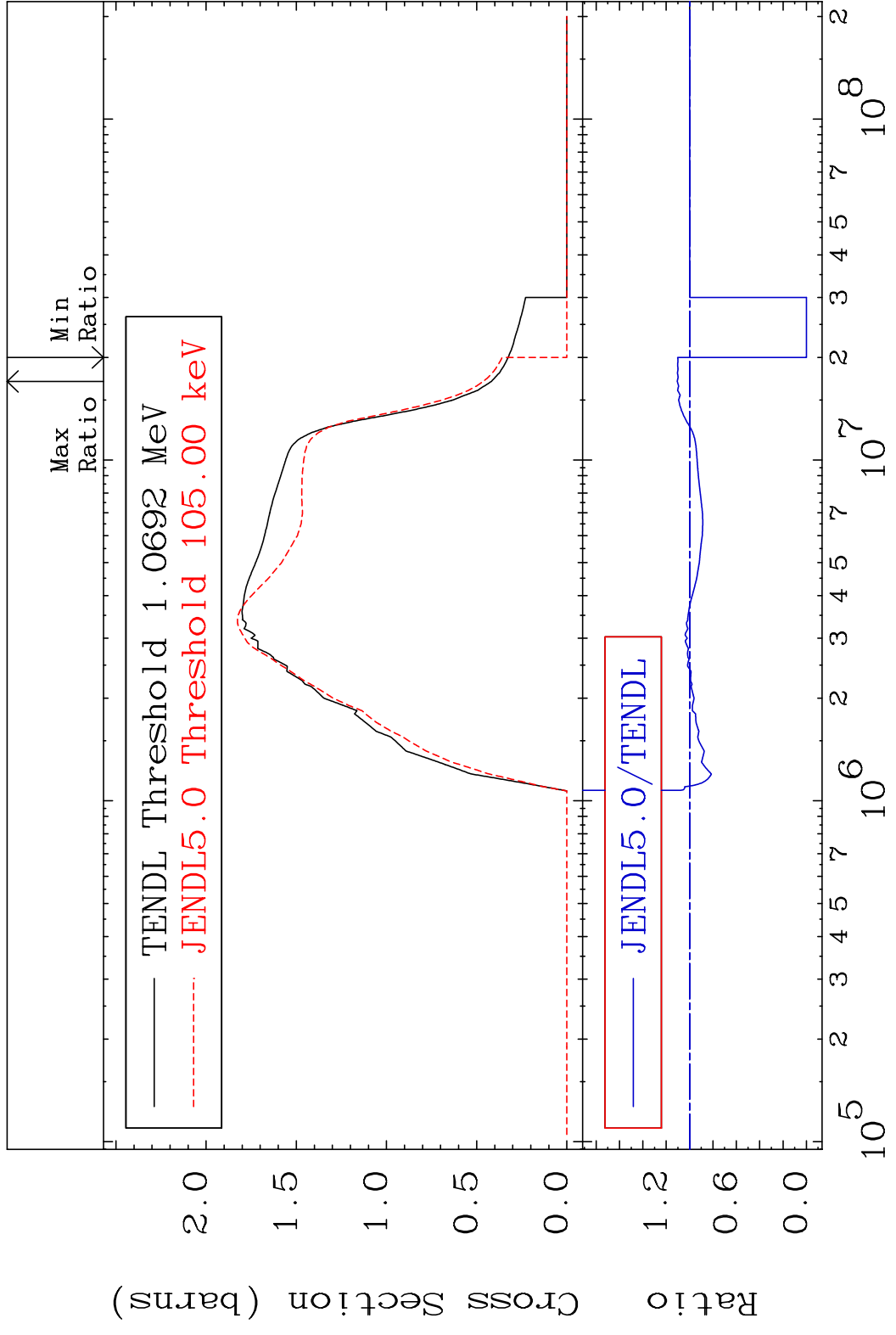
40-Zr-88

MAT 4019

Inelastic

40-Zr-88

Cross Section -100.0 To 10.62 %



3

Incident Energy (eV)

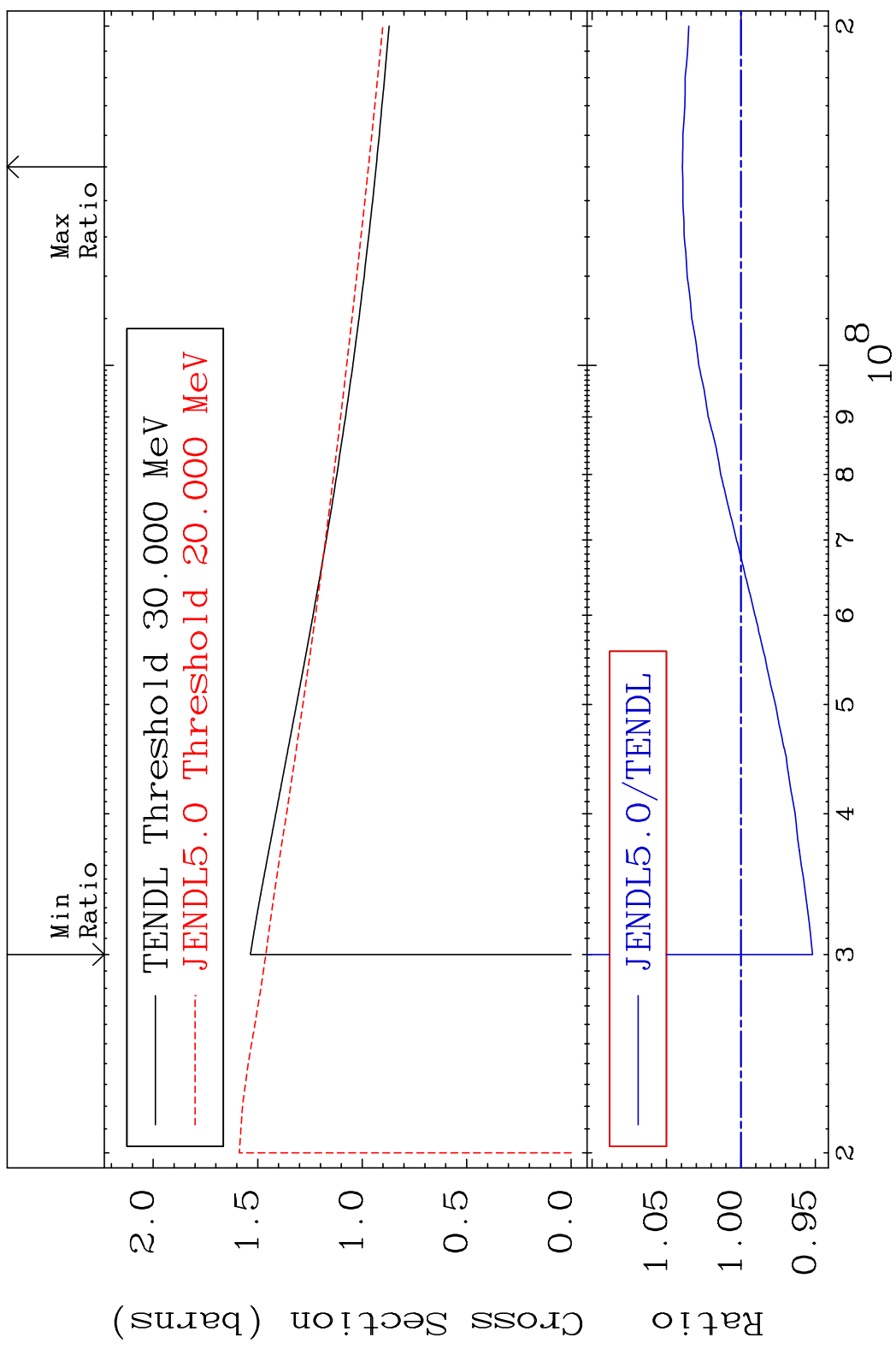
40-Zr-88

MAT 4019

(n, remainder)

40-Zr-88

Cross Section -4.818 To 3.935 %

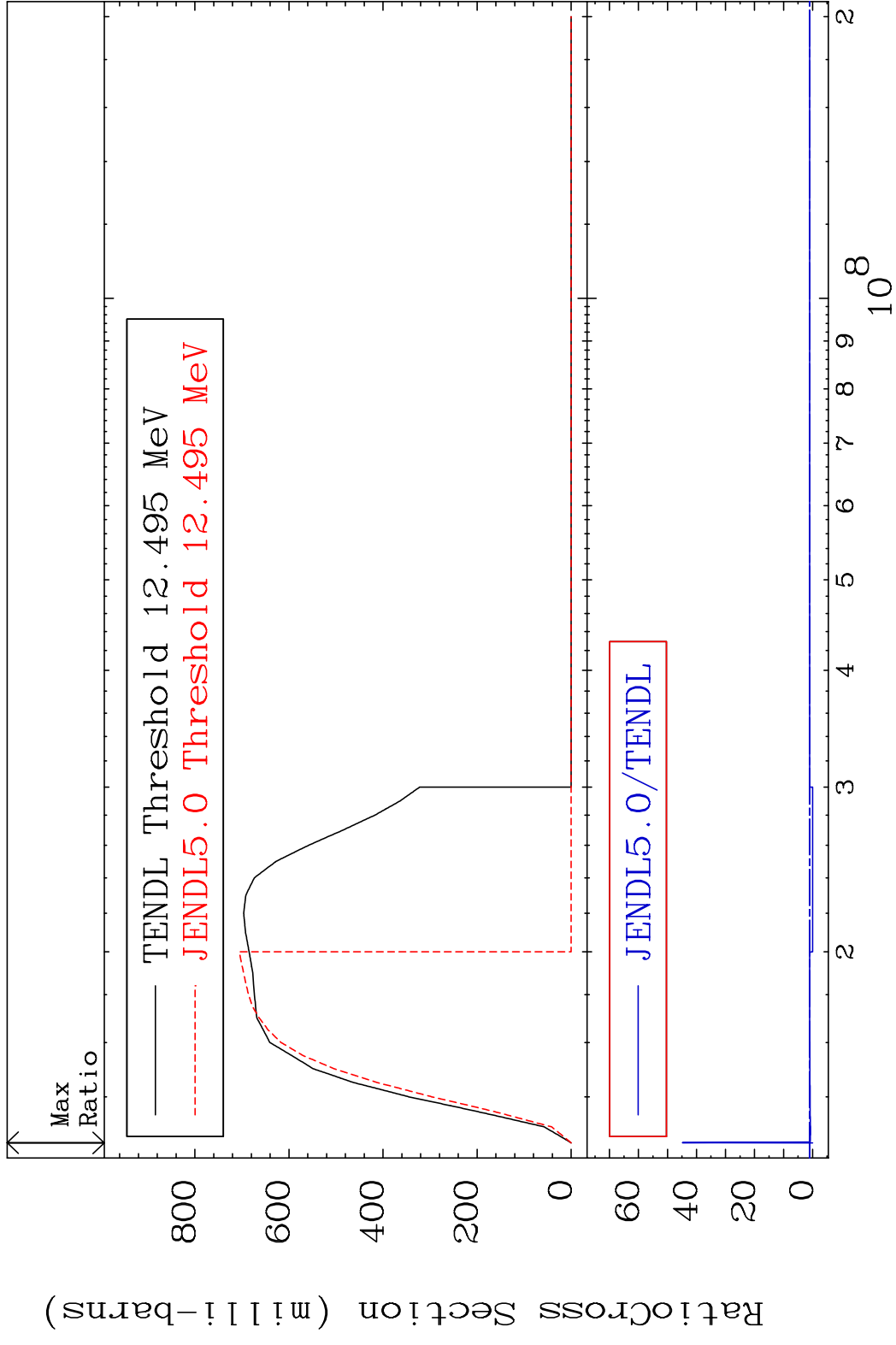


4

Incident Energy (eV)

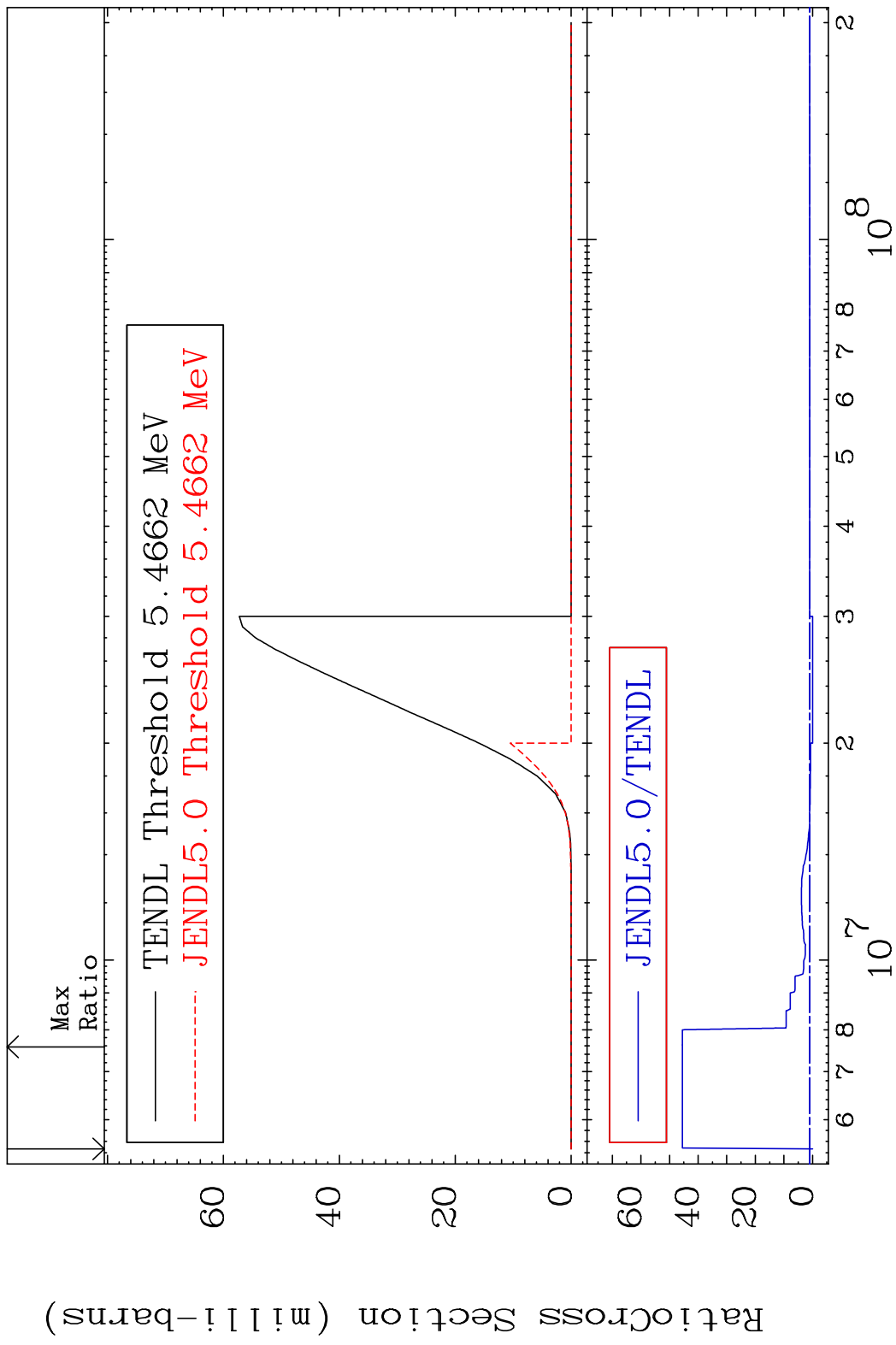
40-Zr-88

MAT 4019 (n,2n) 40-Zr-88
 Cross Section -100.0 To 4387. %



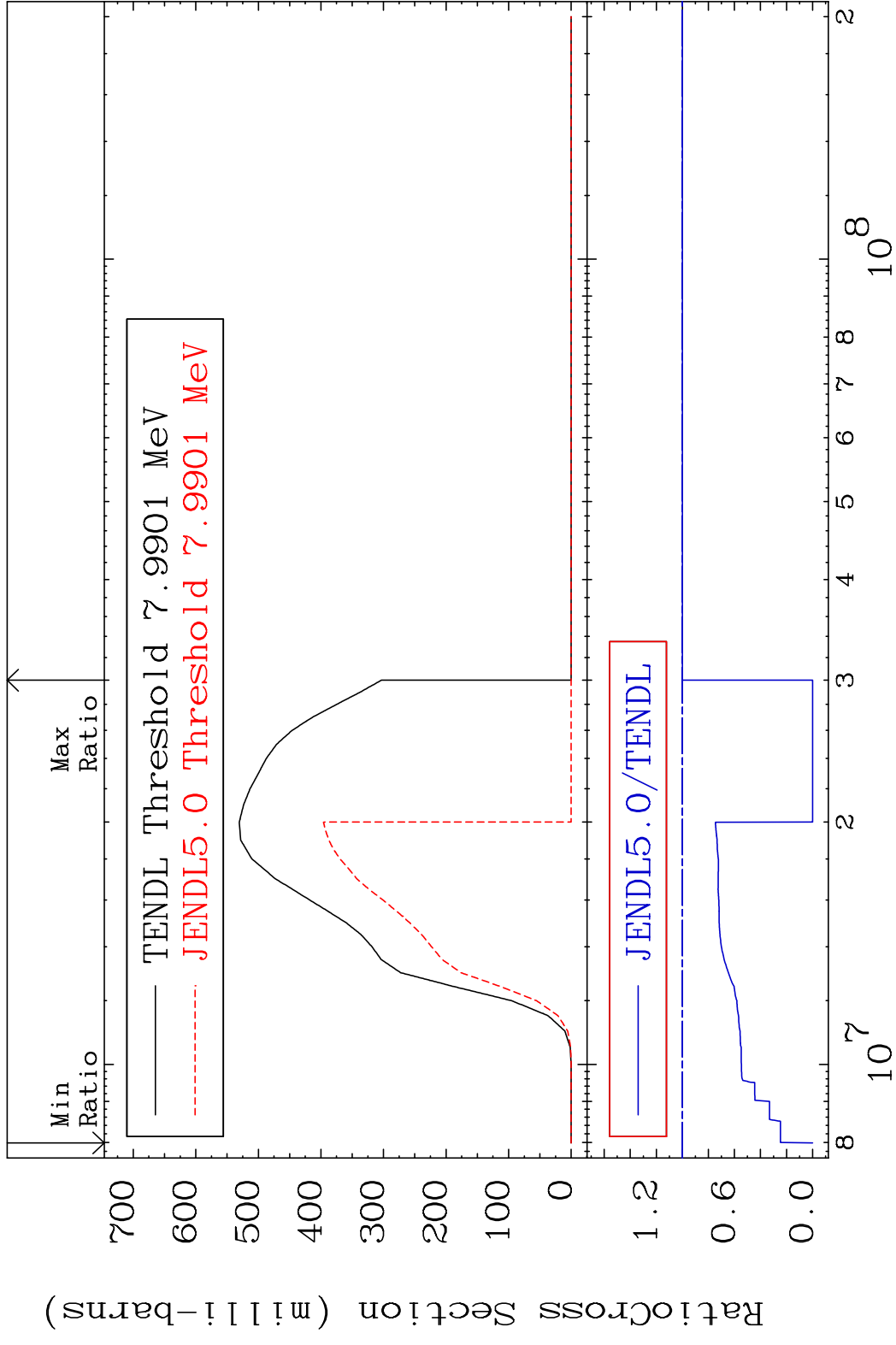
5 Incident Energy (eV) 40-Zr-88

MAT 4019 (n, n') α 40-Zr-88
 Cross Section -100.0 To 4452. %



6 6 Incident Energy (eV) 40-Zr-88

MAT 4019 (n, n') p 40-Zr-88
 Cross Section -100.0 To 0.000 %



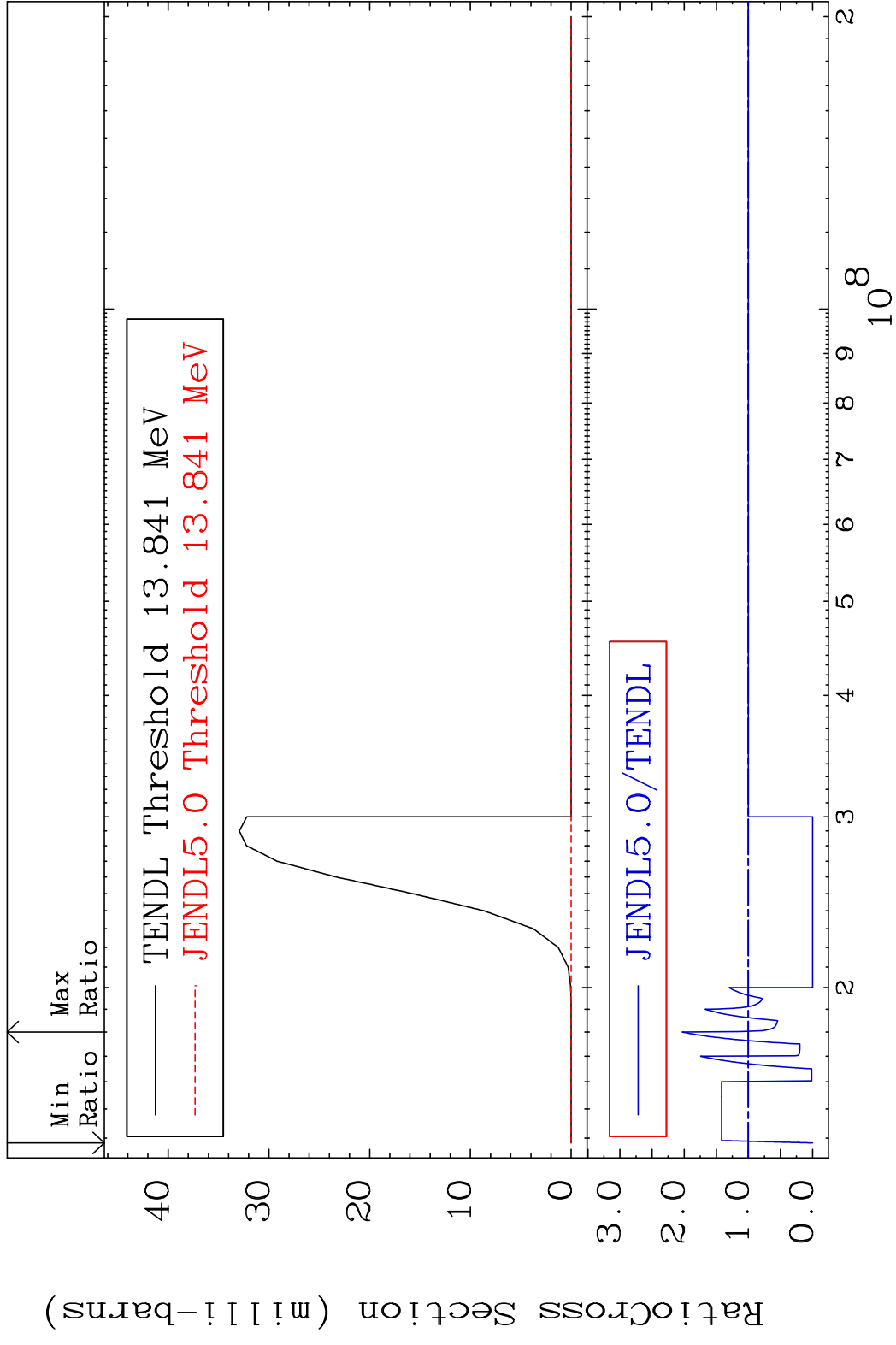
7 Incident Energy (eV) 40-Zr-88

MAT 4019

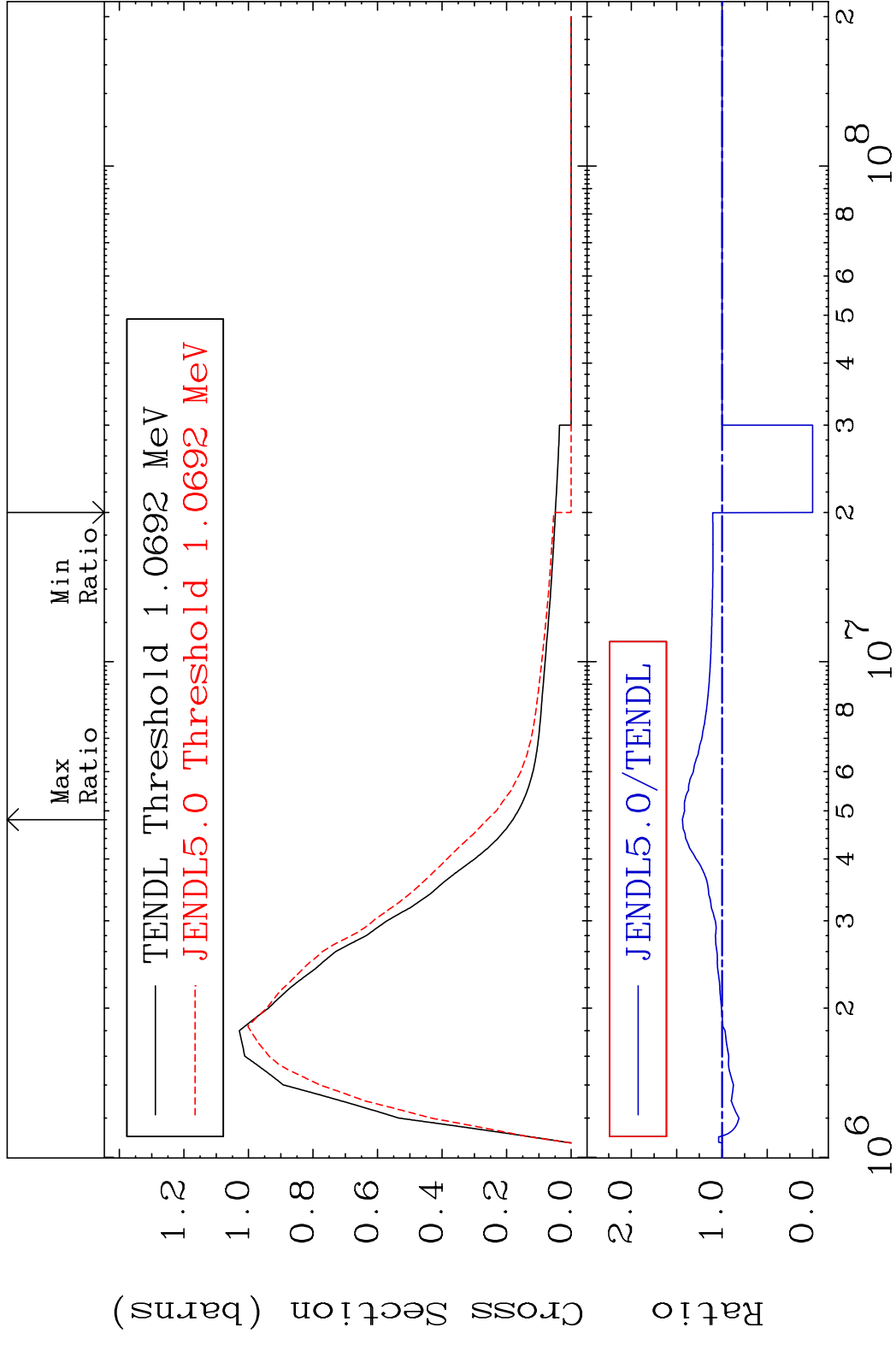
(n,2n) p

40-Zr-88

Cross Section -100.0 To 102.8 %

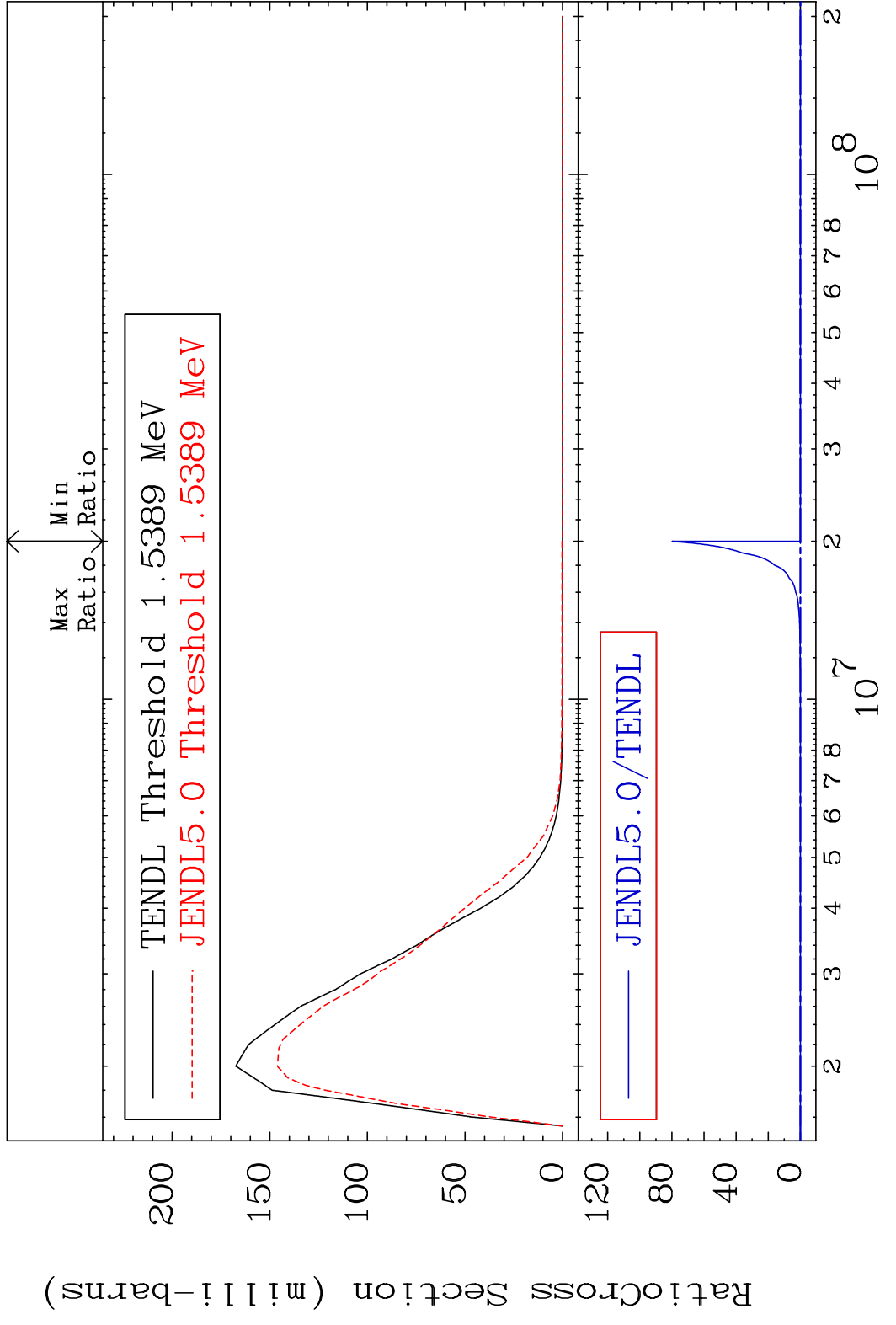


MAT 4019 MT= 51 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 43.75 %



9 Incident Energy (eV) 40-Zr-88

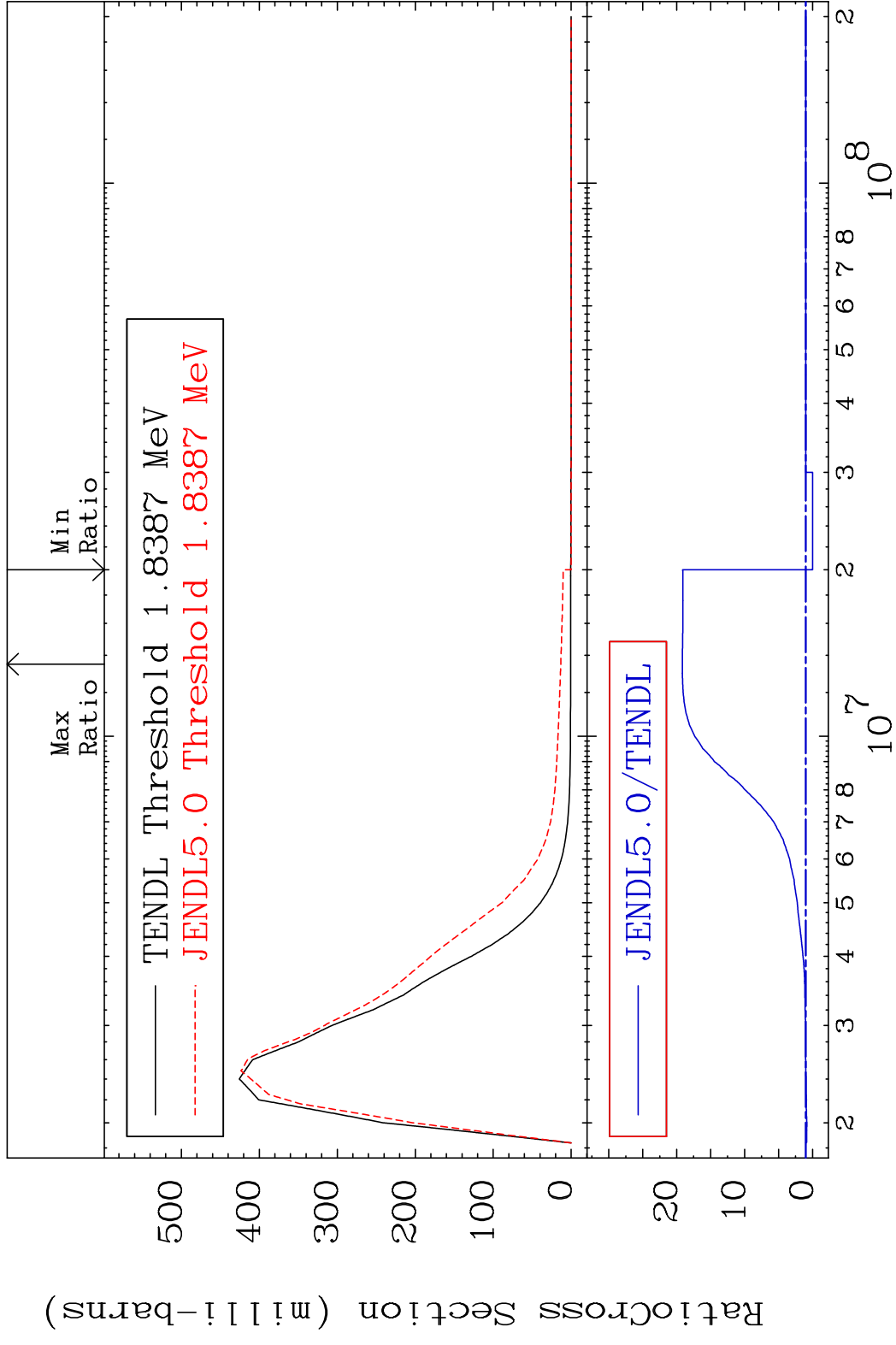
MAT 4019 MT= 52 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 9999. %



10

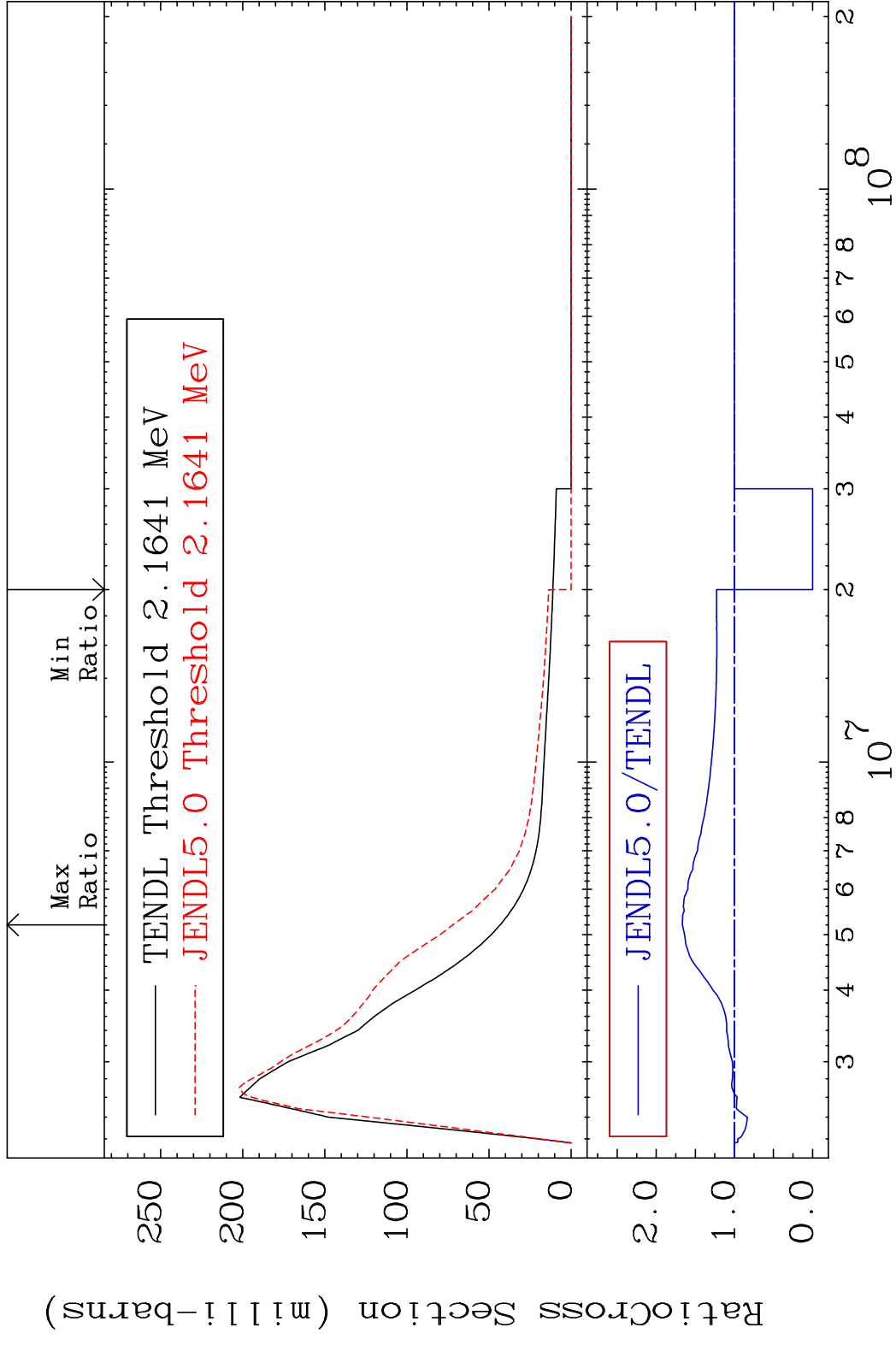
Incident Energy (eV) 40-Zr-88

MAT 4019 MT= 53 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 1817. %

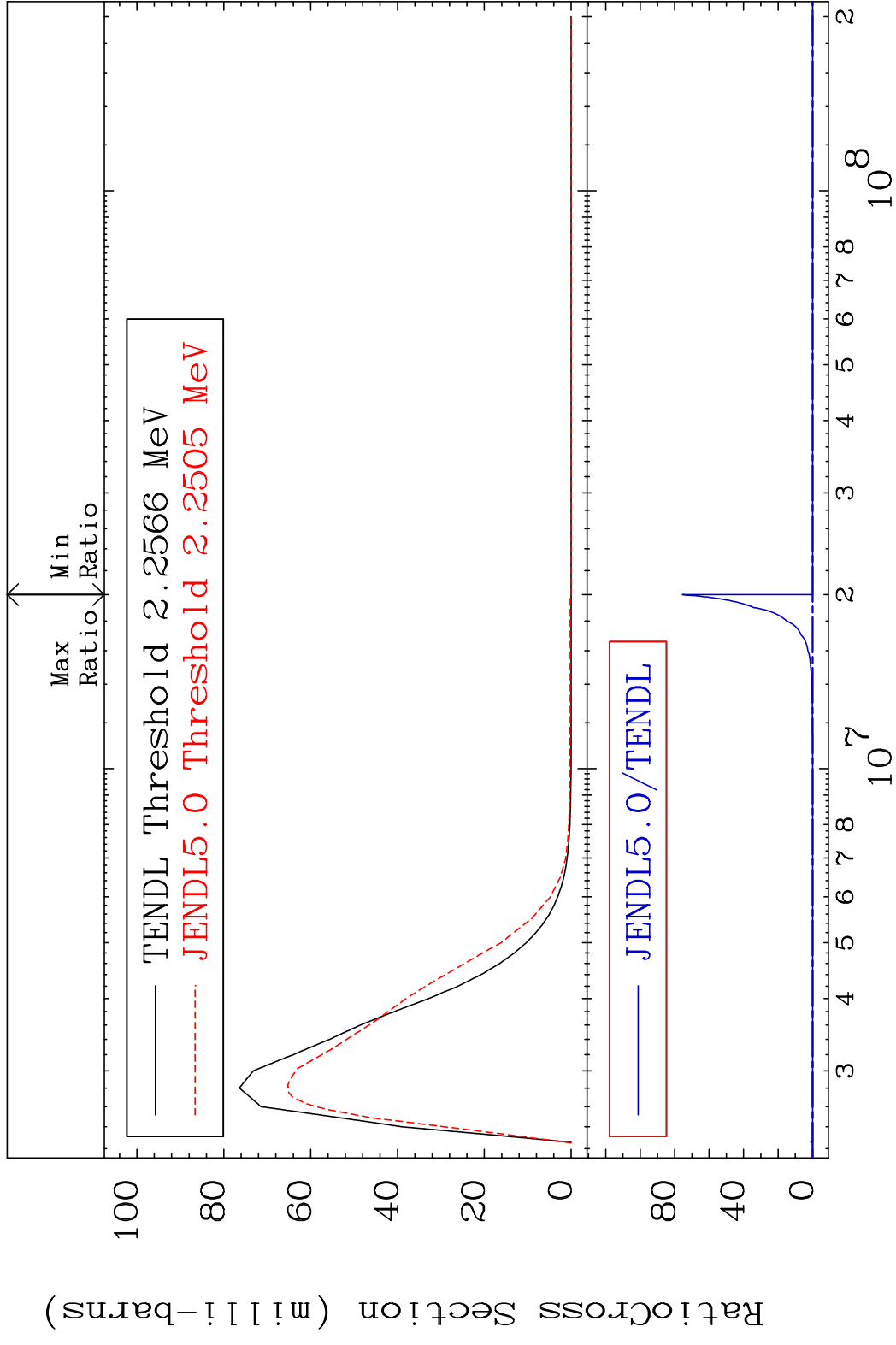


11 Incident Energy (eV) 40-Zr-88

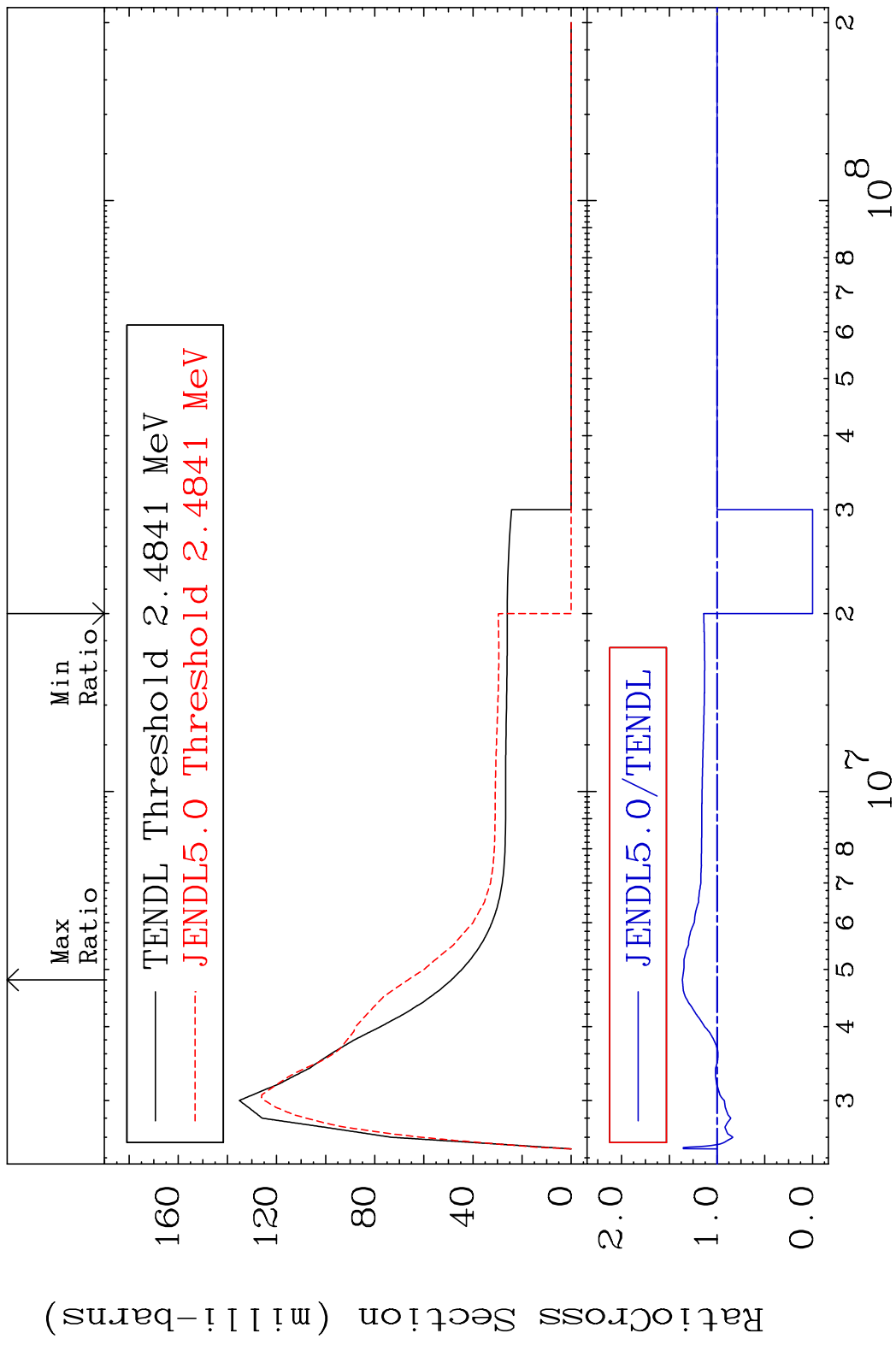
MAT 4019 MT= 54 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 66.62 %



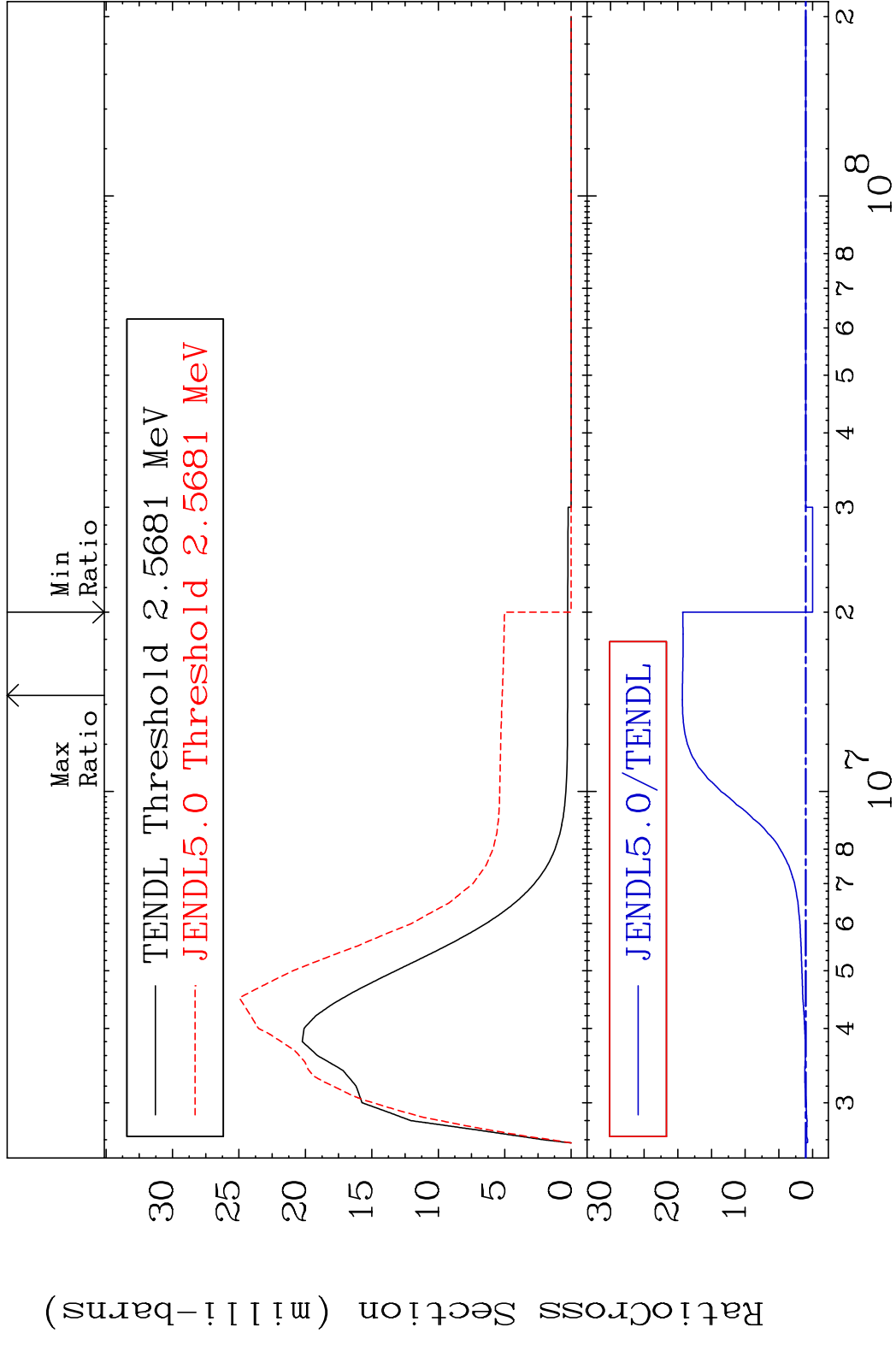
MAT 4019 MT= 55 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 9999. %



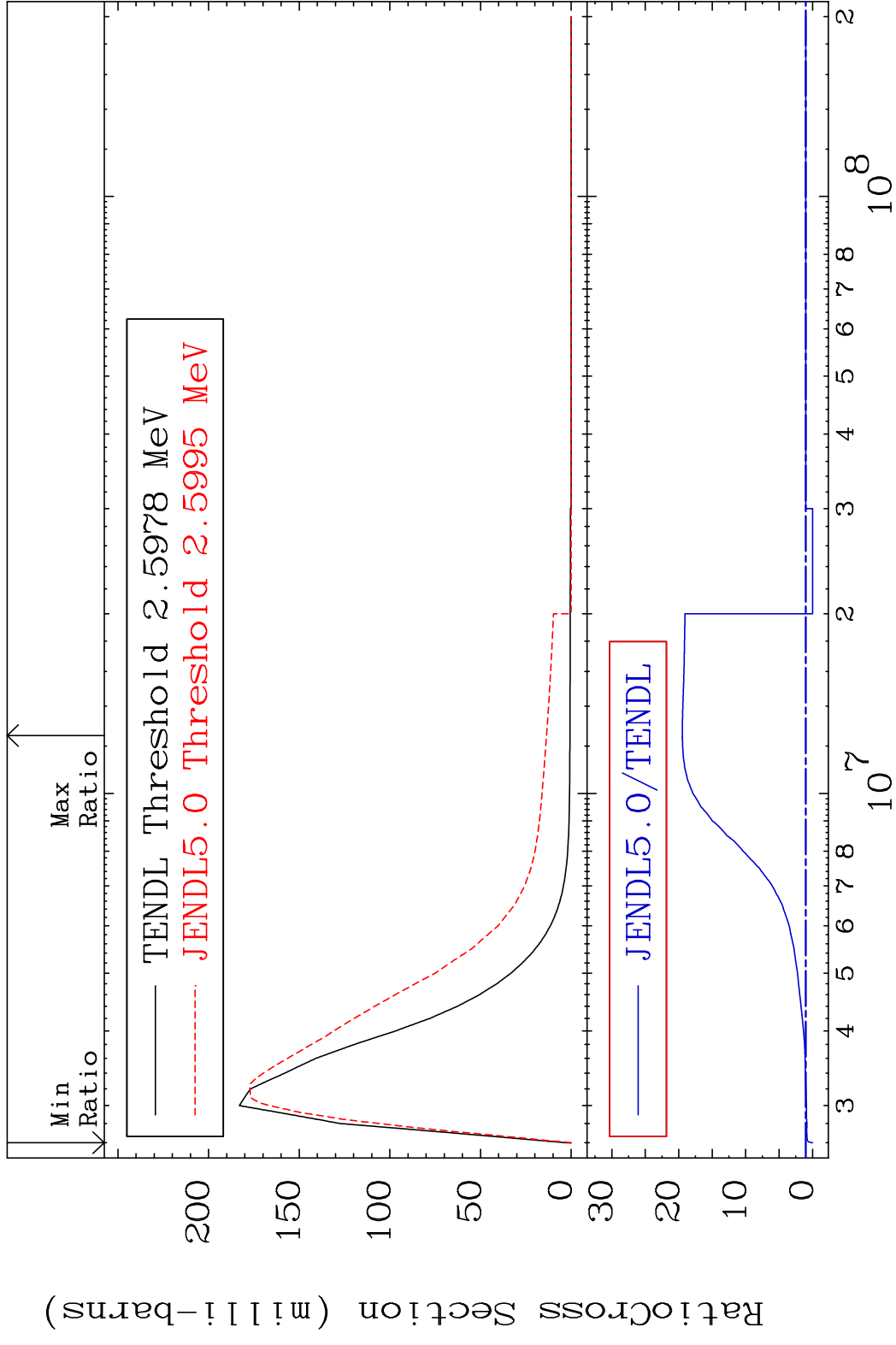
MAT 4019 MT= 56 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 36.33 %



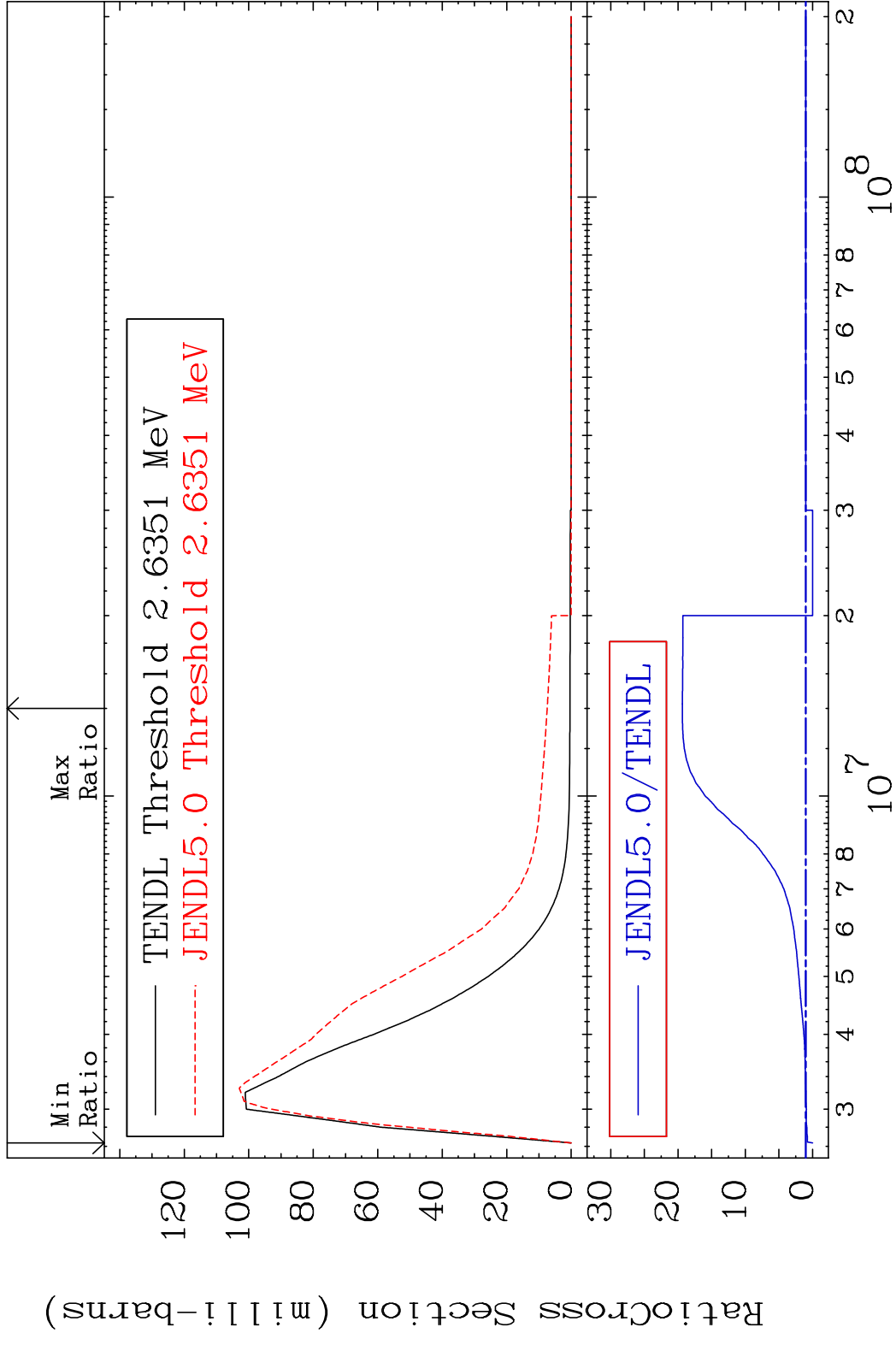
MAT 4019 MT= 57 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 1833. %



MAT 4019 MT= 58 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 1846. %

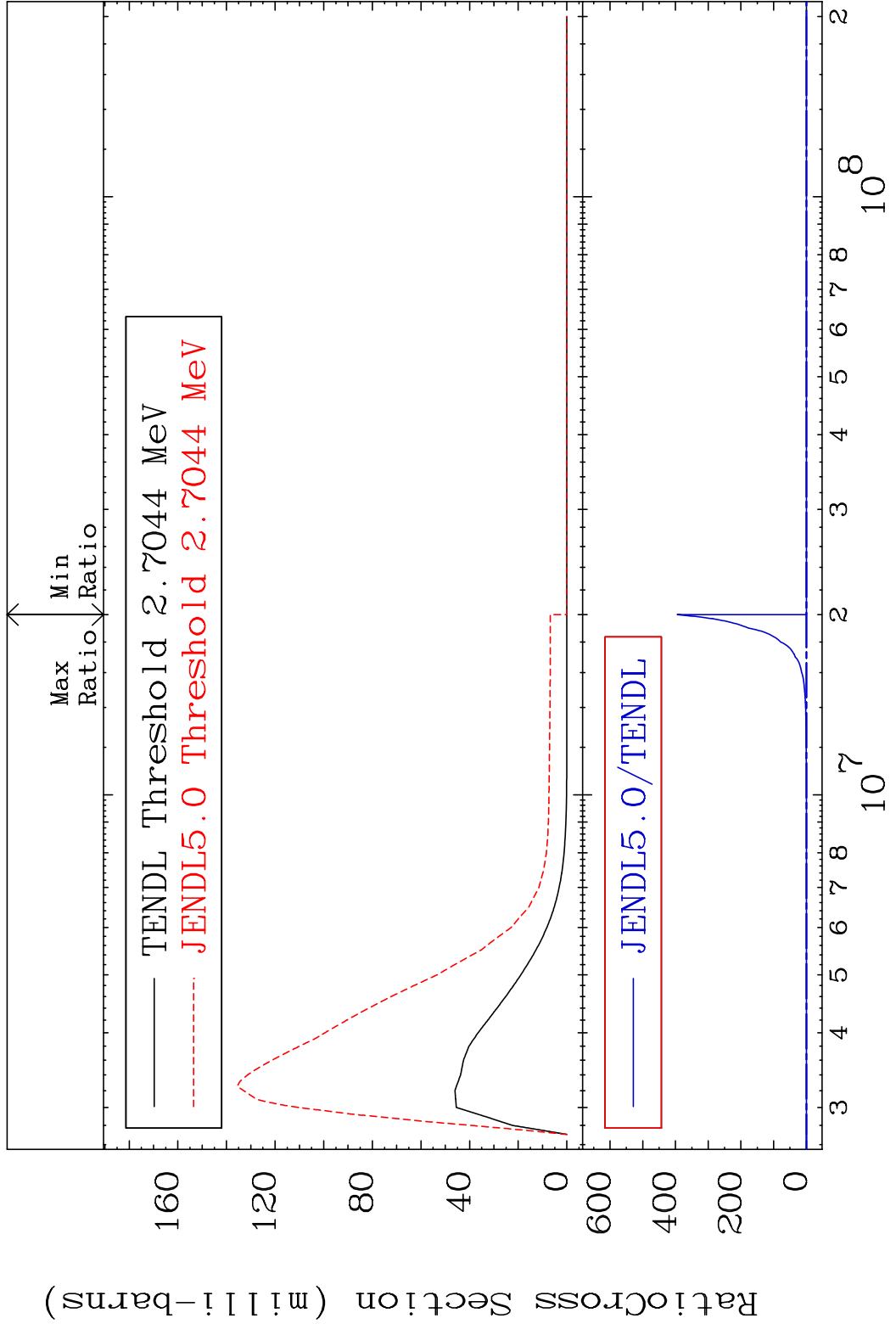


MAT 4019 MT= 59 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 1835. %

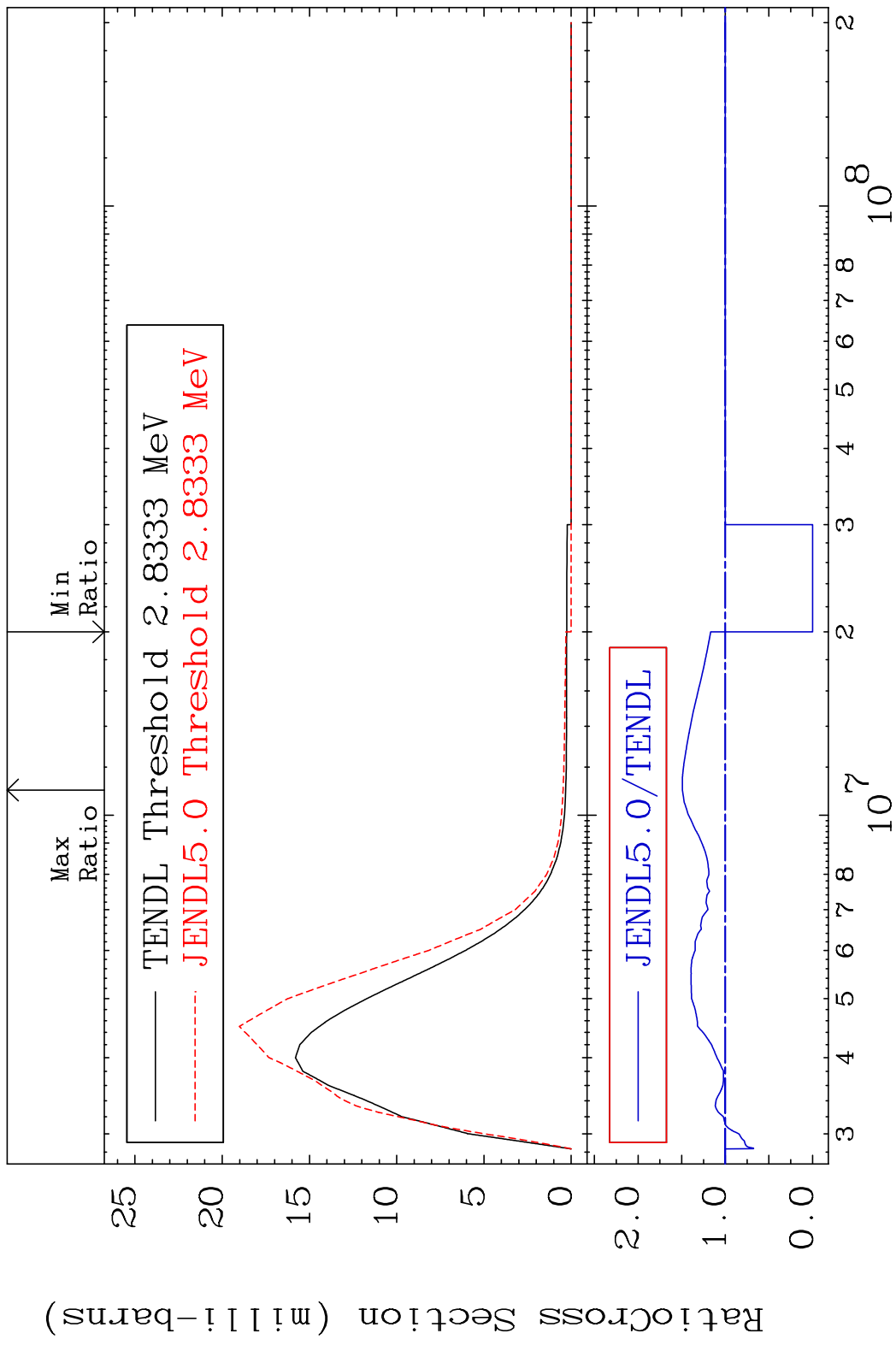


17 40-Zr-88

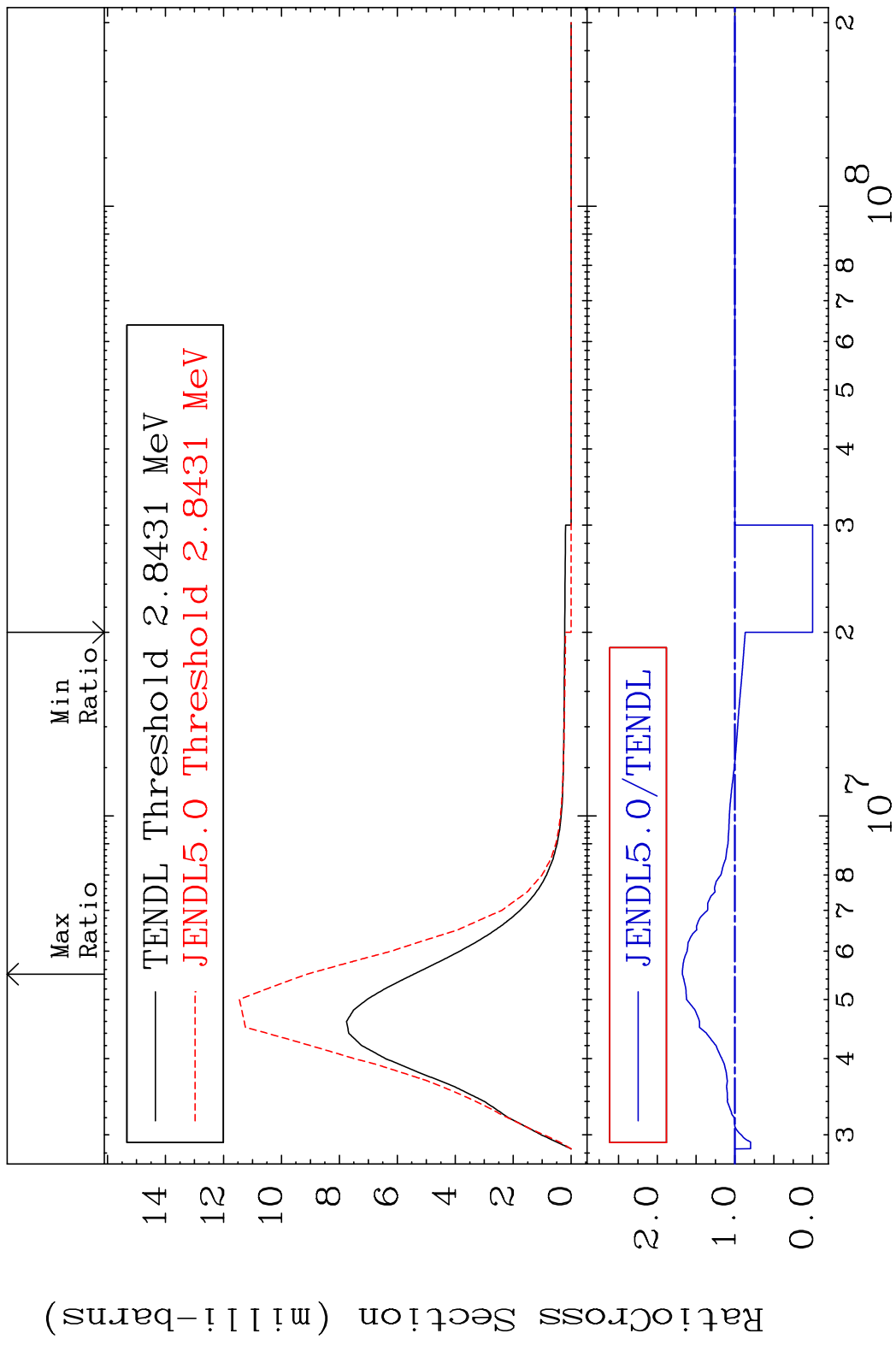
MAT 4019 MT= 60 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 9999. %



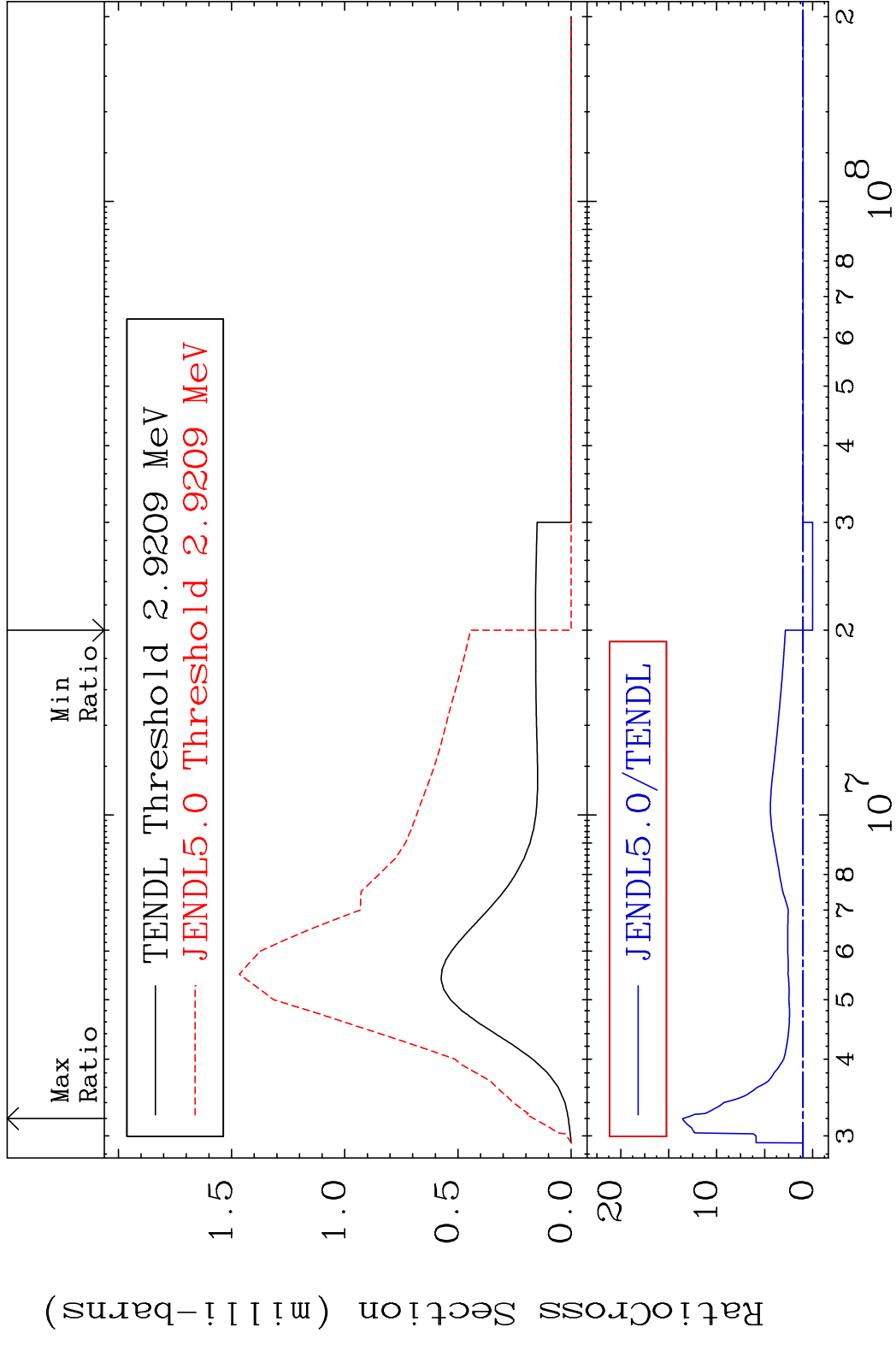
MAT 4019 MT= 61 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 49.22 %



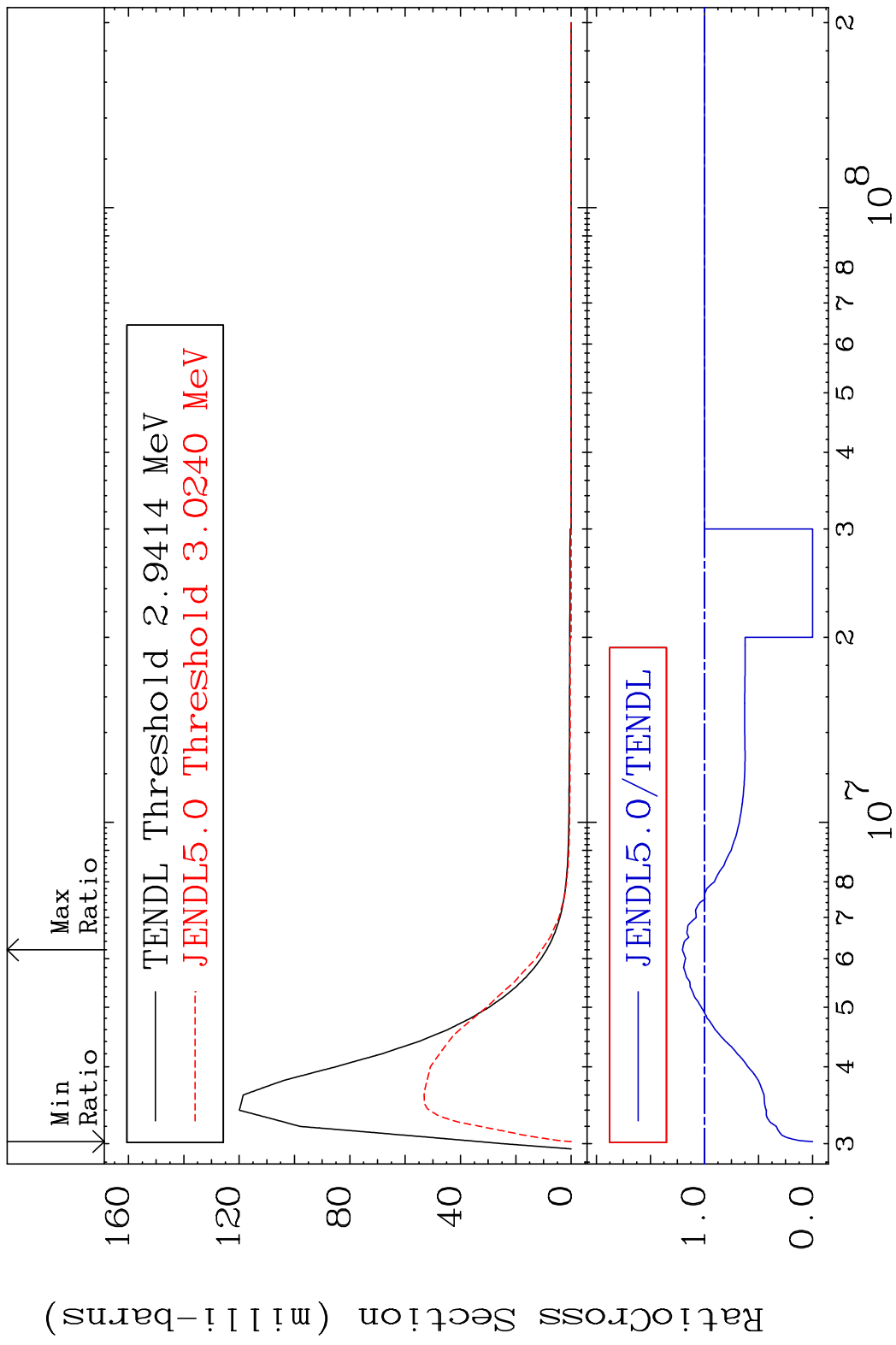
MAT 4019 MT= 62 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 67.76 %



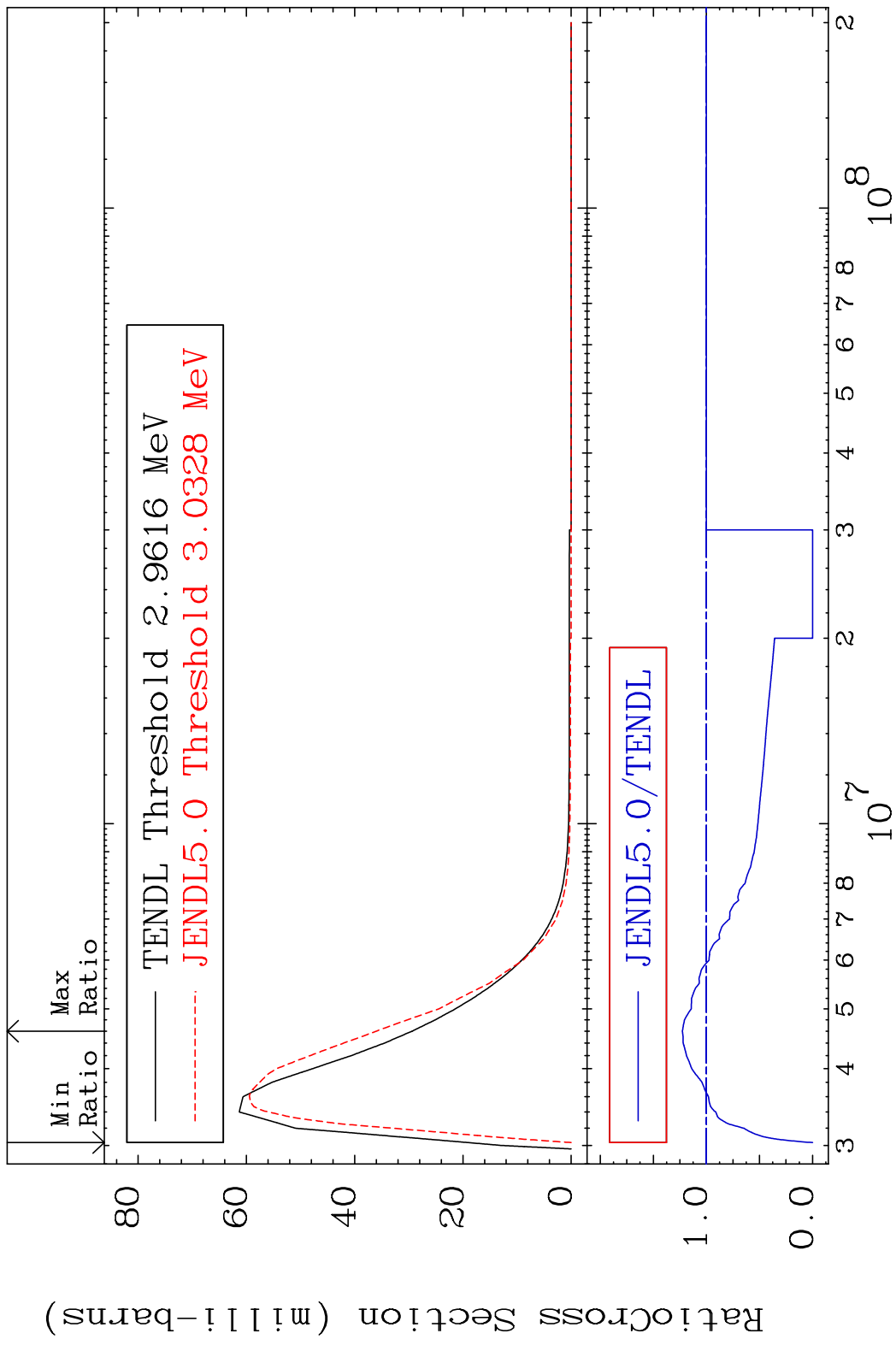
MAT 4019 MT= 63 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 1258. %



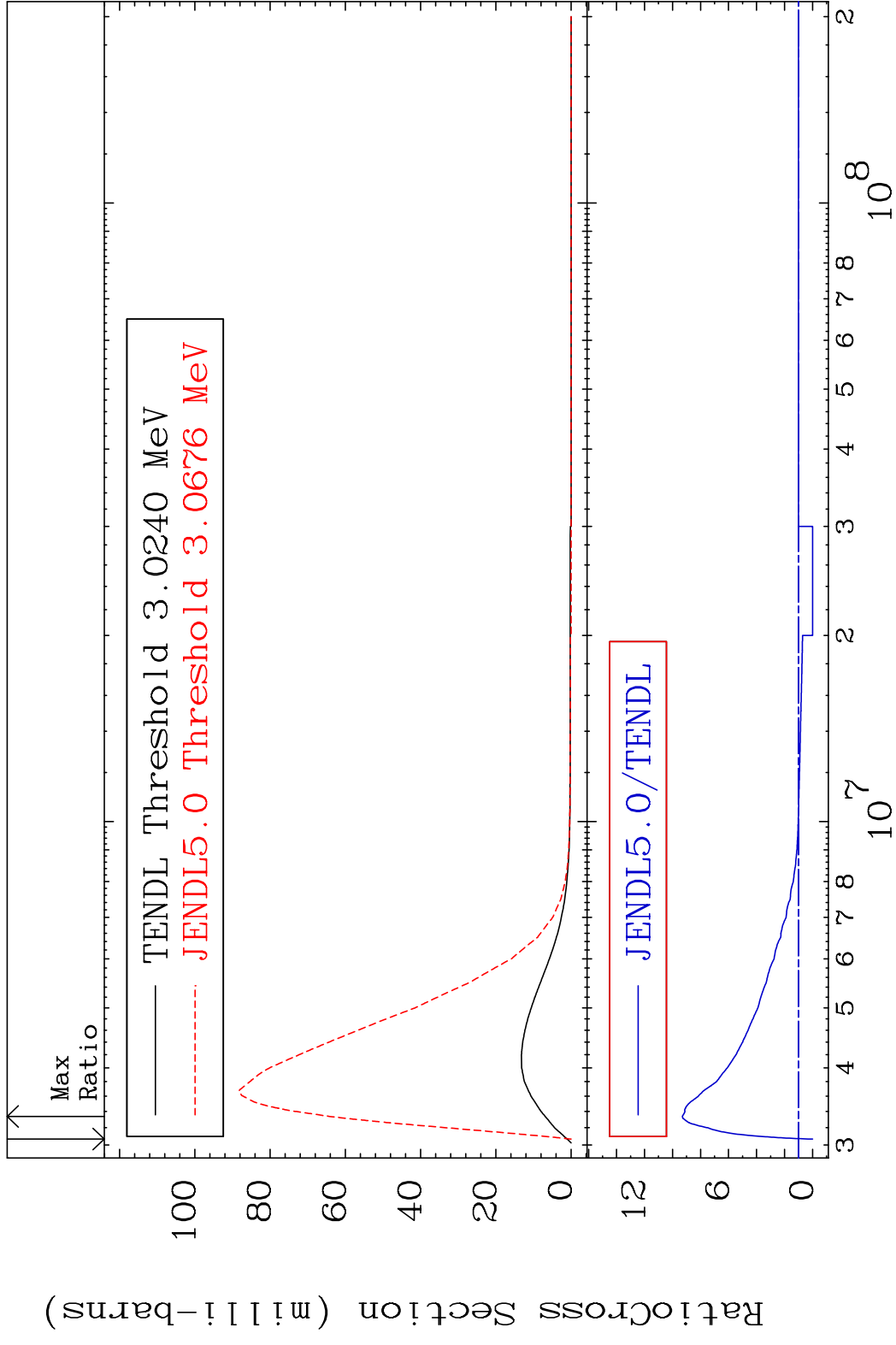
MAT 4019 MT= 64 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 20.42 %



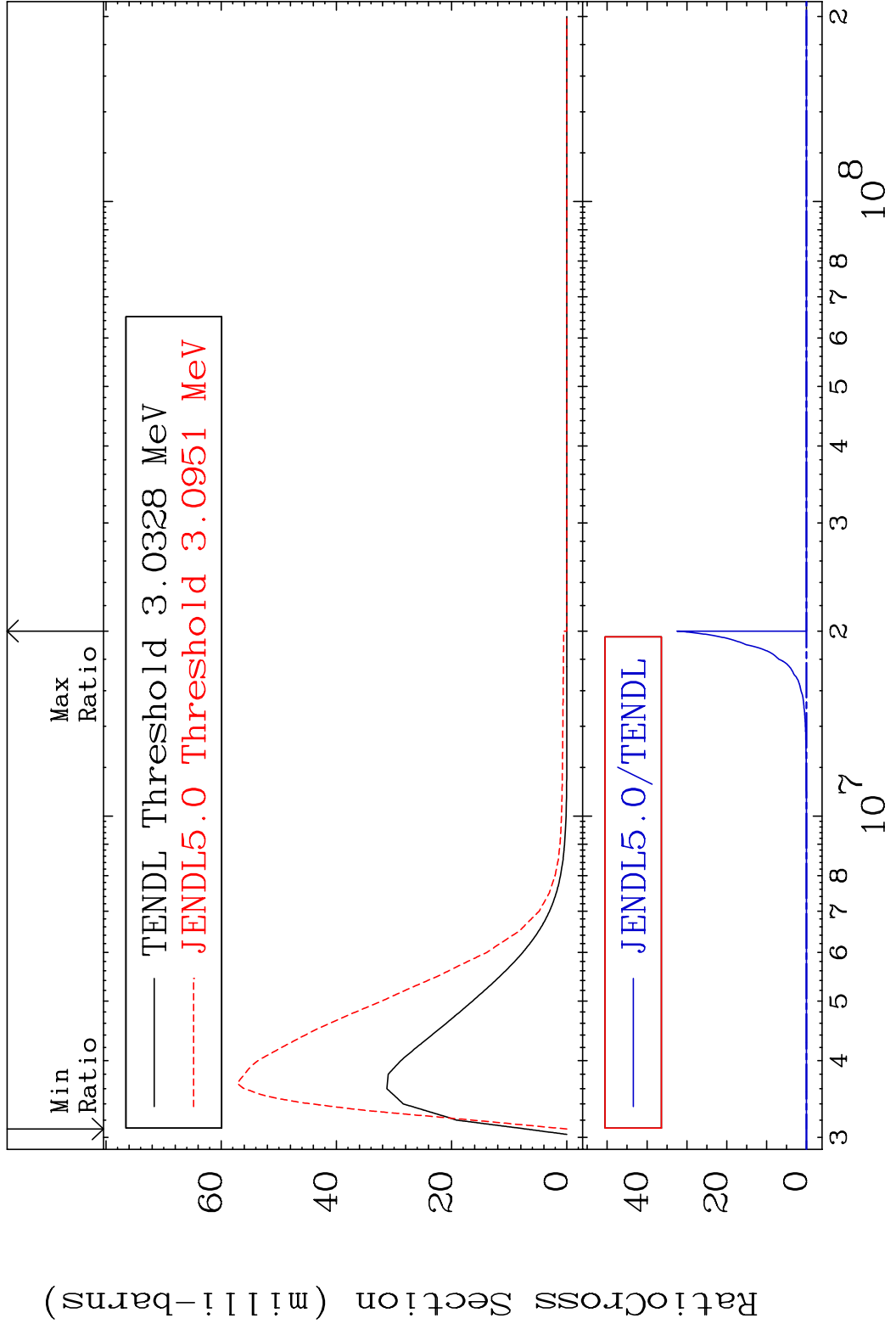
MAT 4019 MT= 65 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 22.65 %



MAT 4019 MT= 66 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 830.0 %

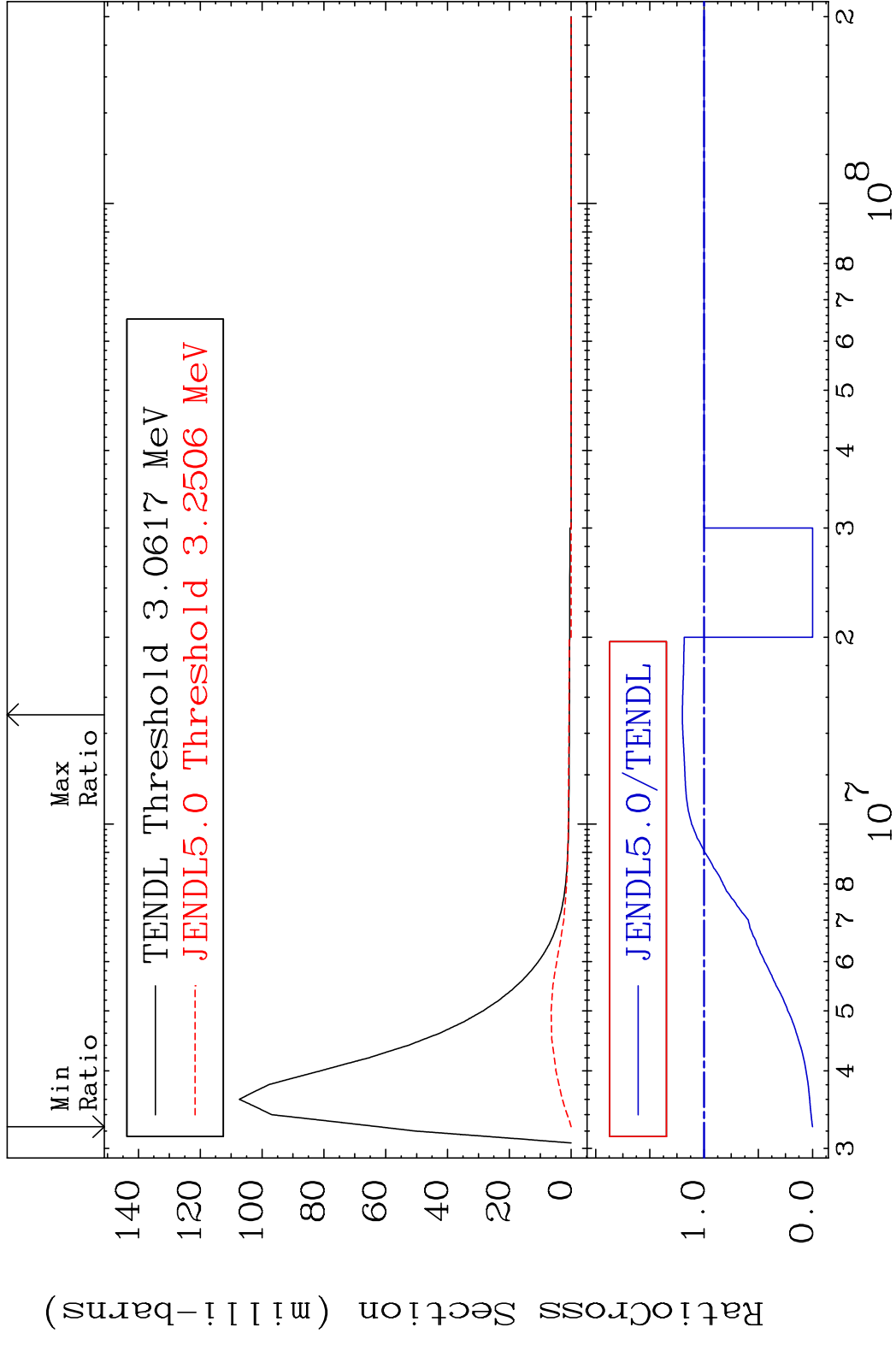


MAT 4019 MT= 67 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 9999. %

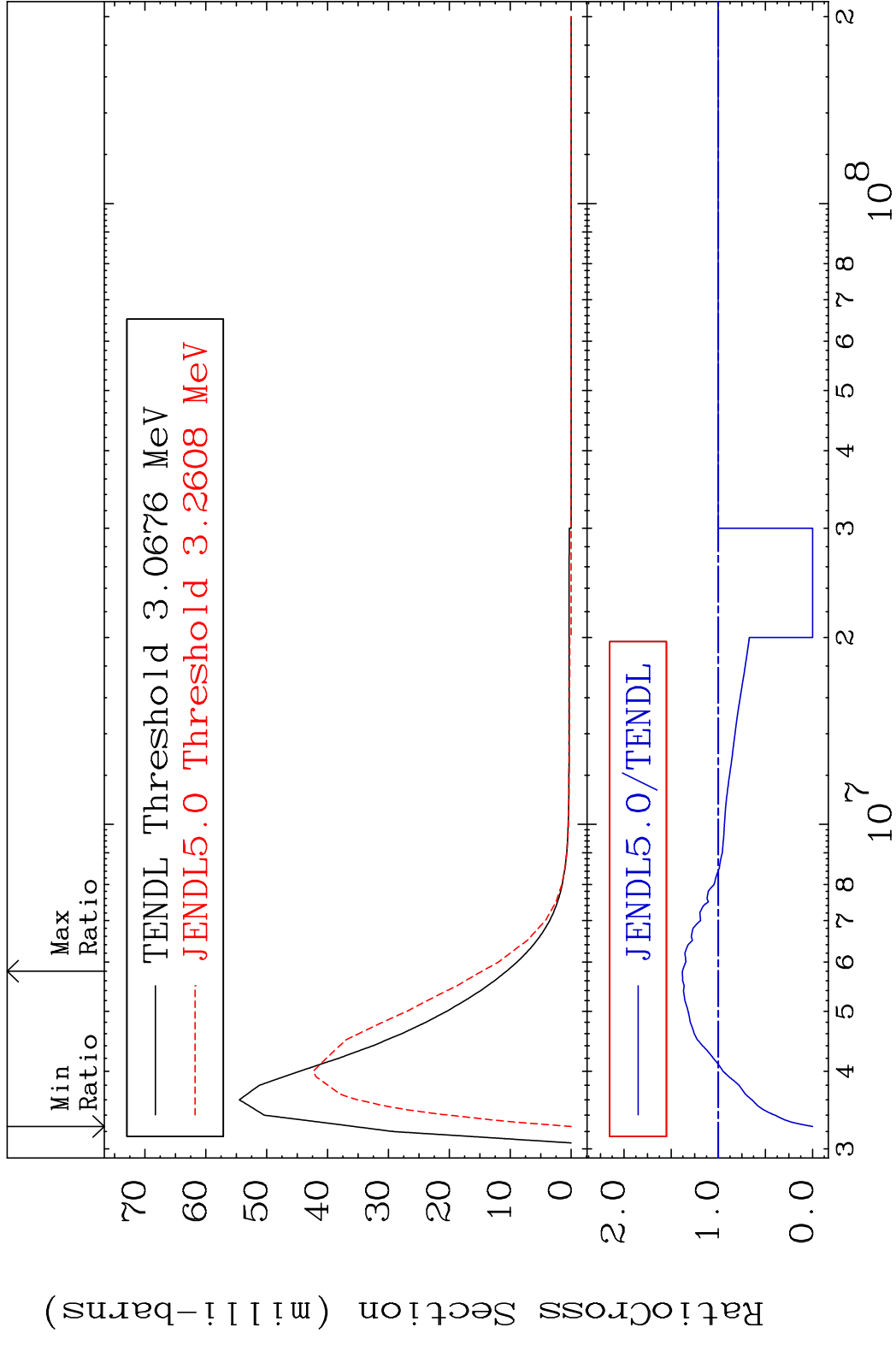


25 Incident Energy (eV) 40-Zr-88

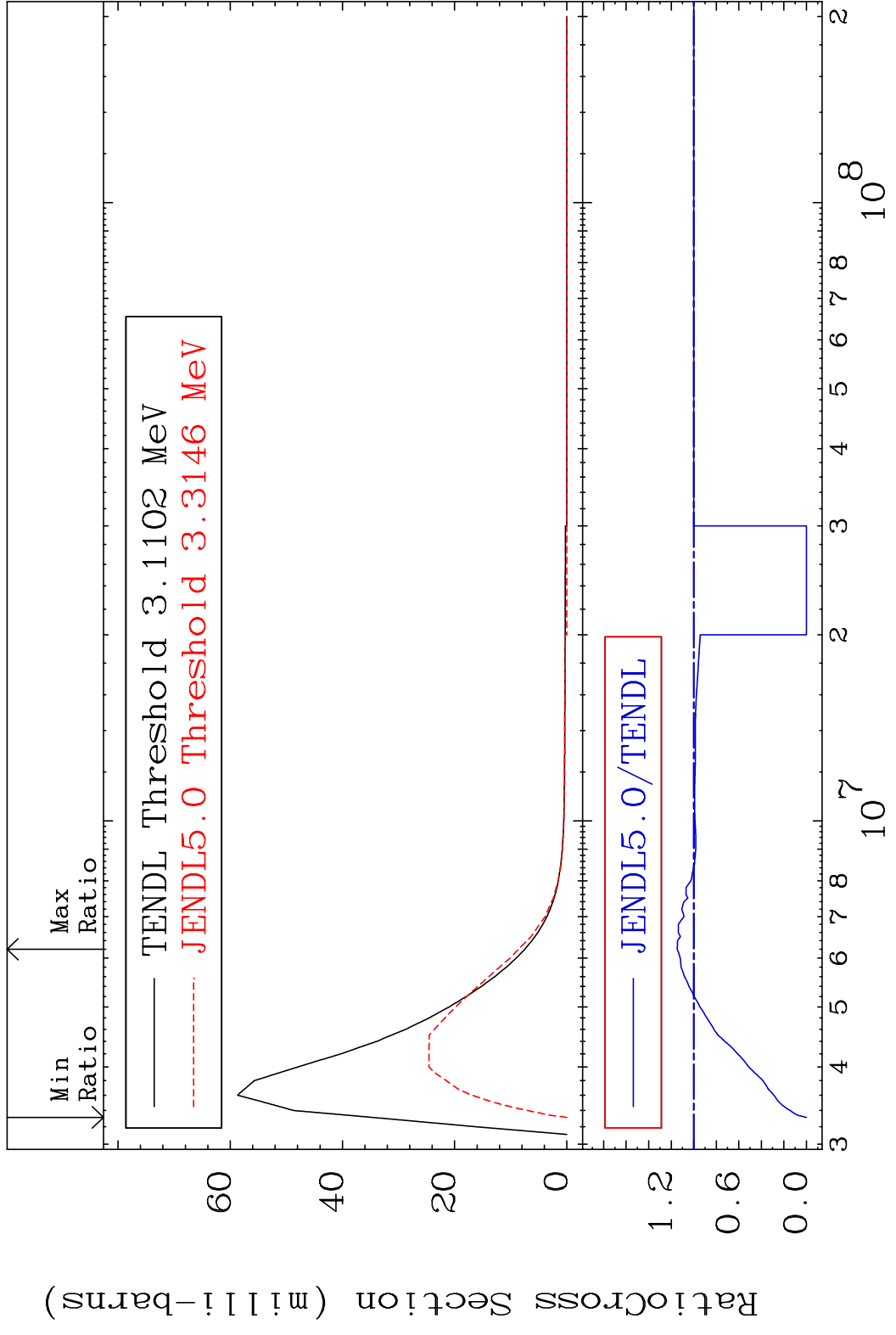
MAT 4019 MT= 68 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 20.06 %



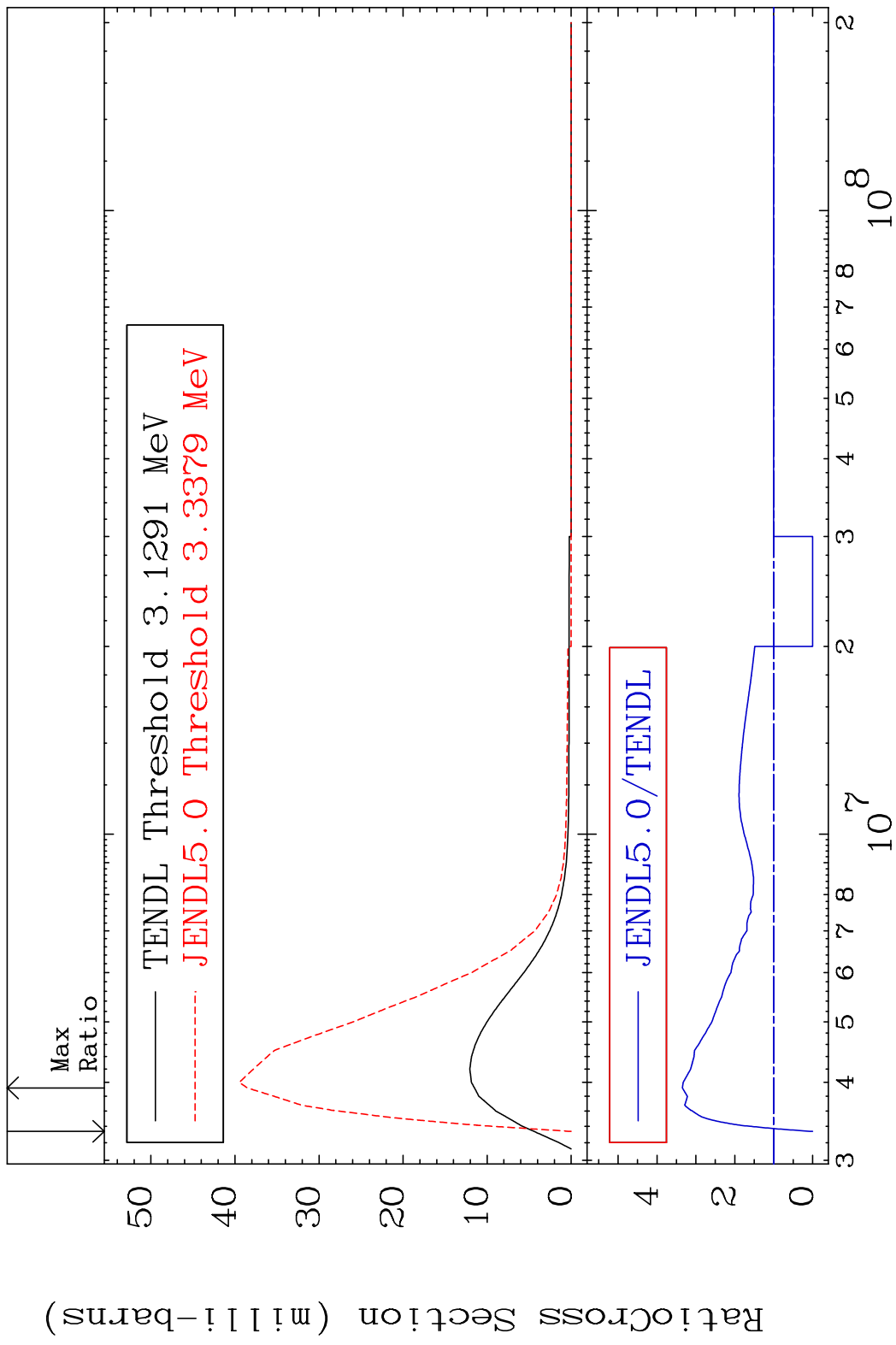
MAT 4019 MT= 69 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 38.13 %



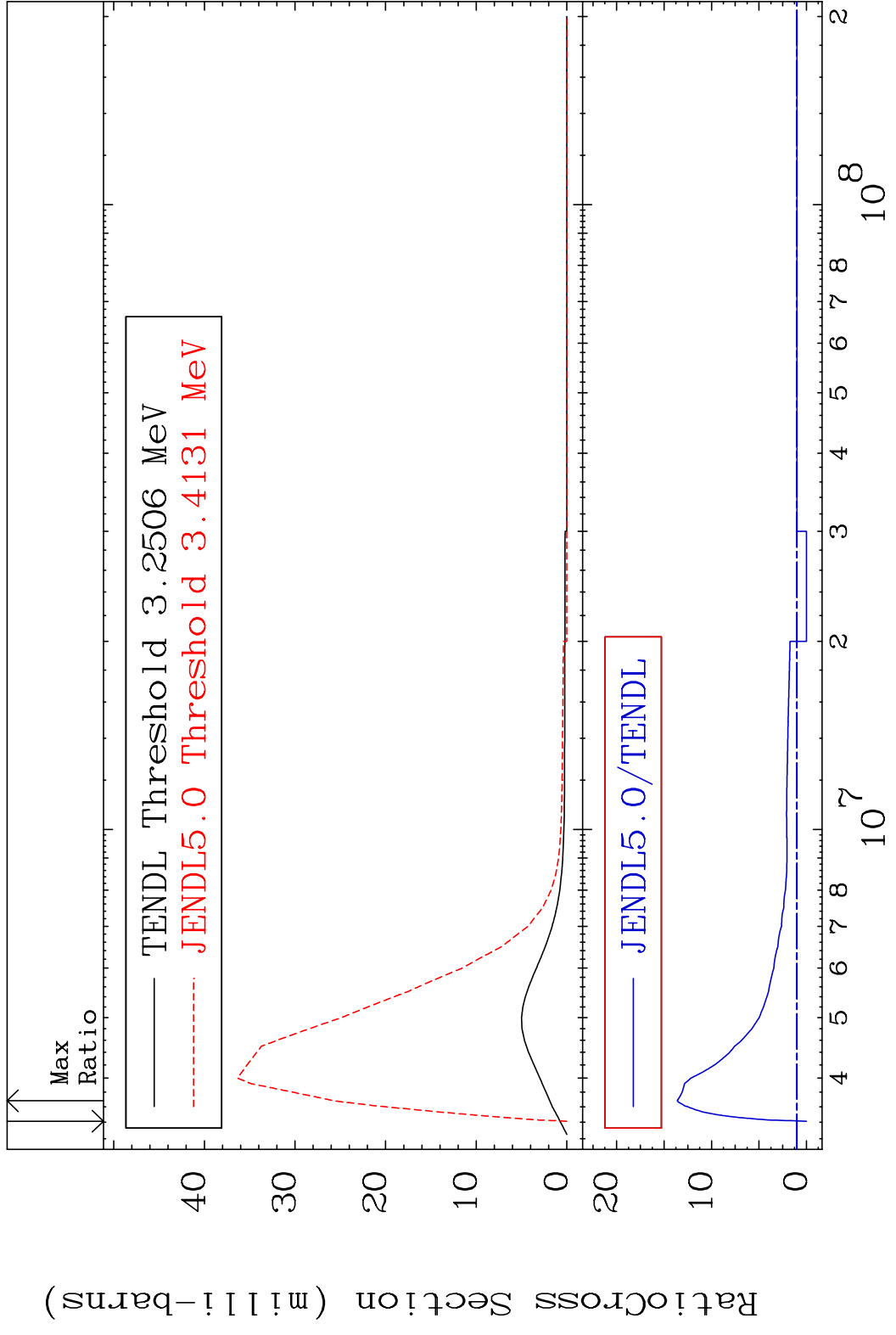
MAT 4019 MT= 70 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 14.71 %



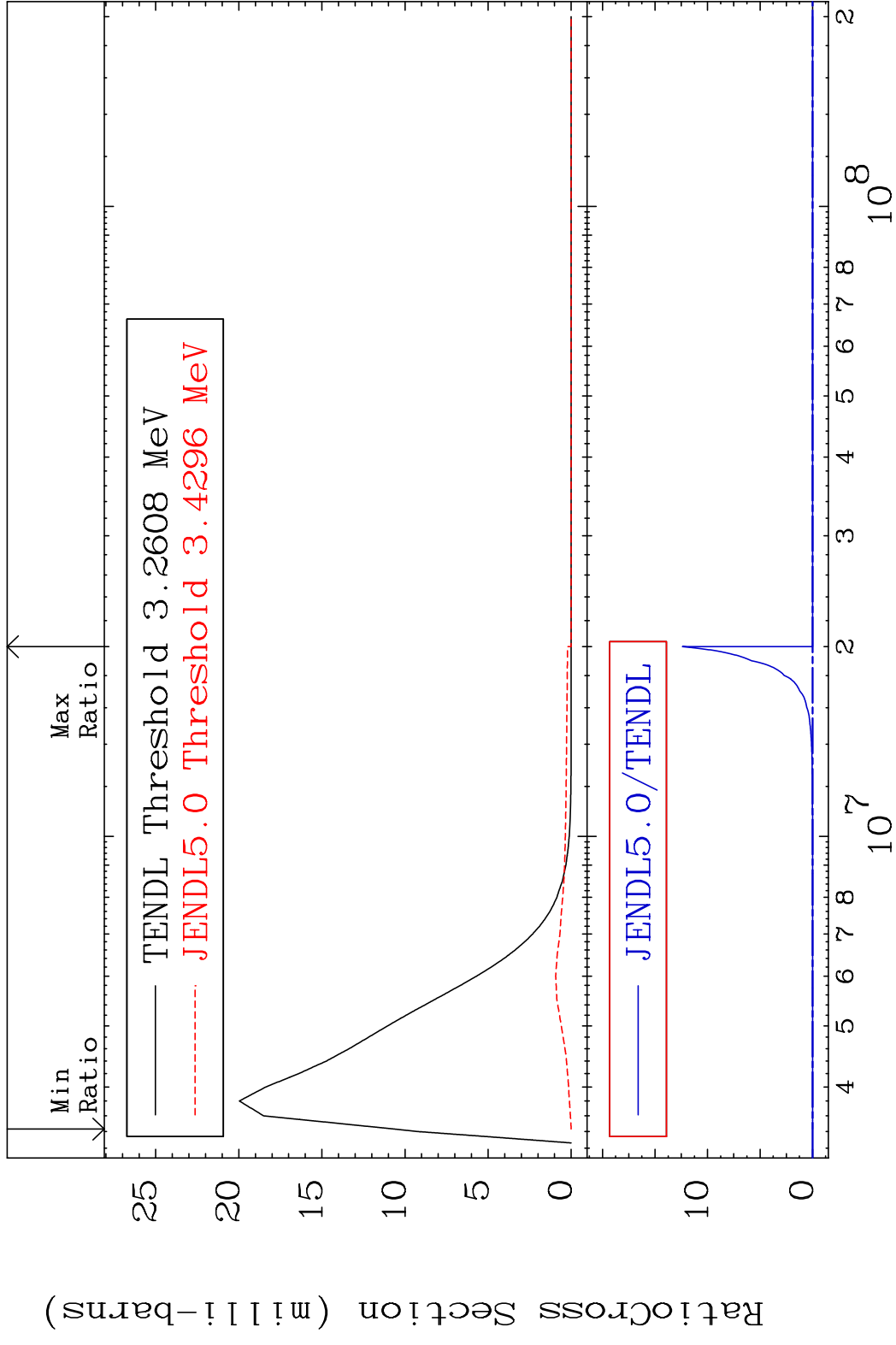
MAT 4019 MT= 71 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 234.8 %



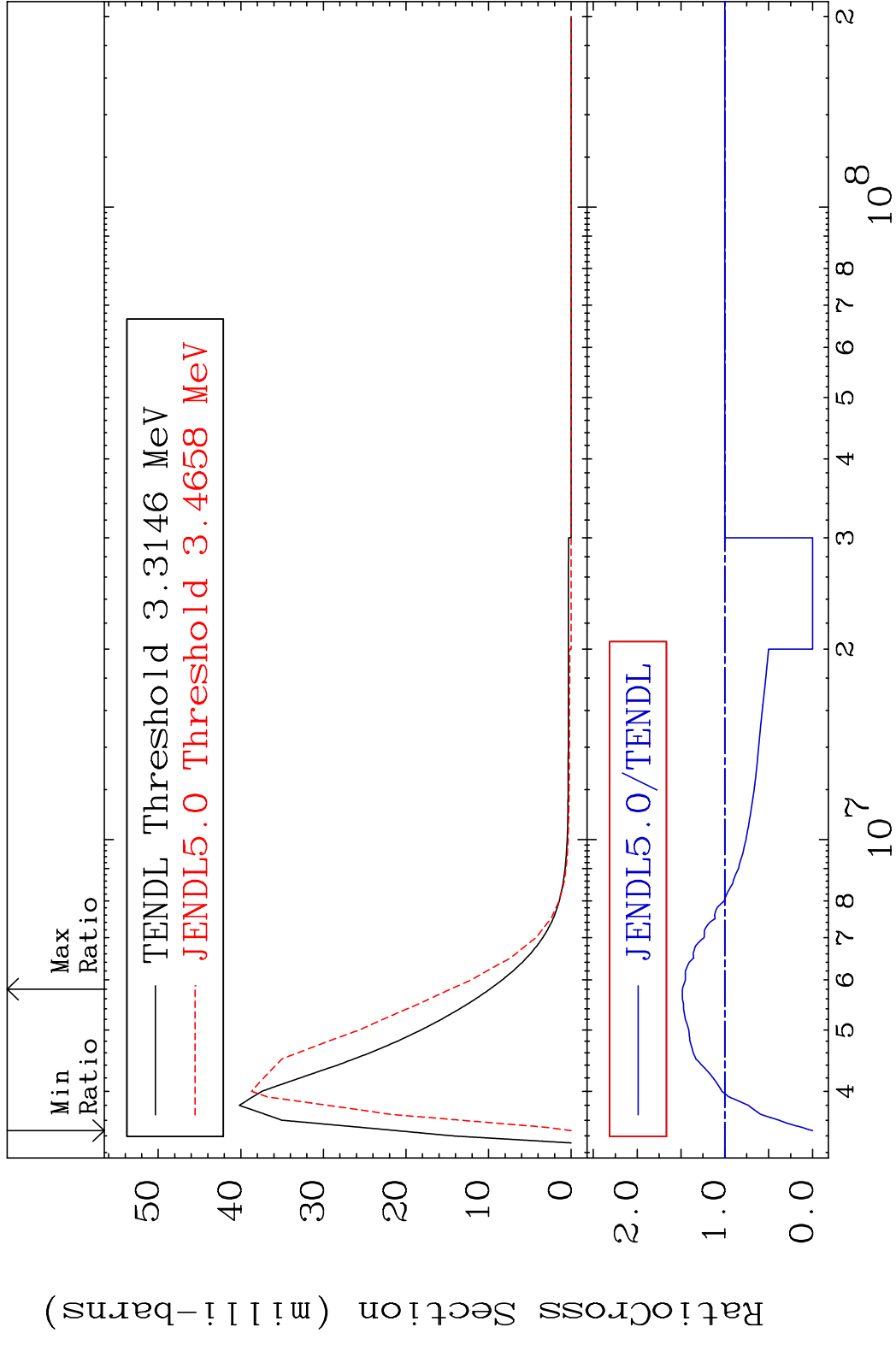
MAT 4019 MT= 72 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 1262. %



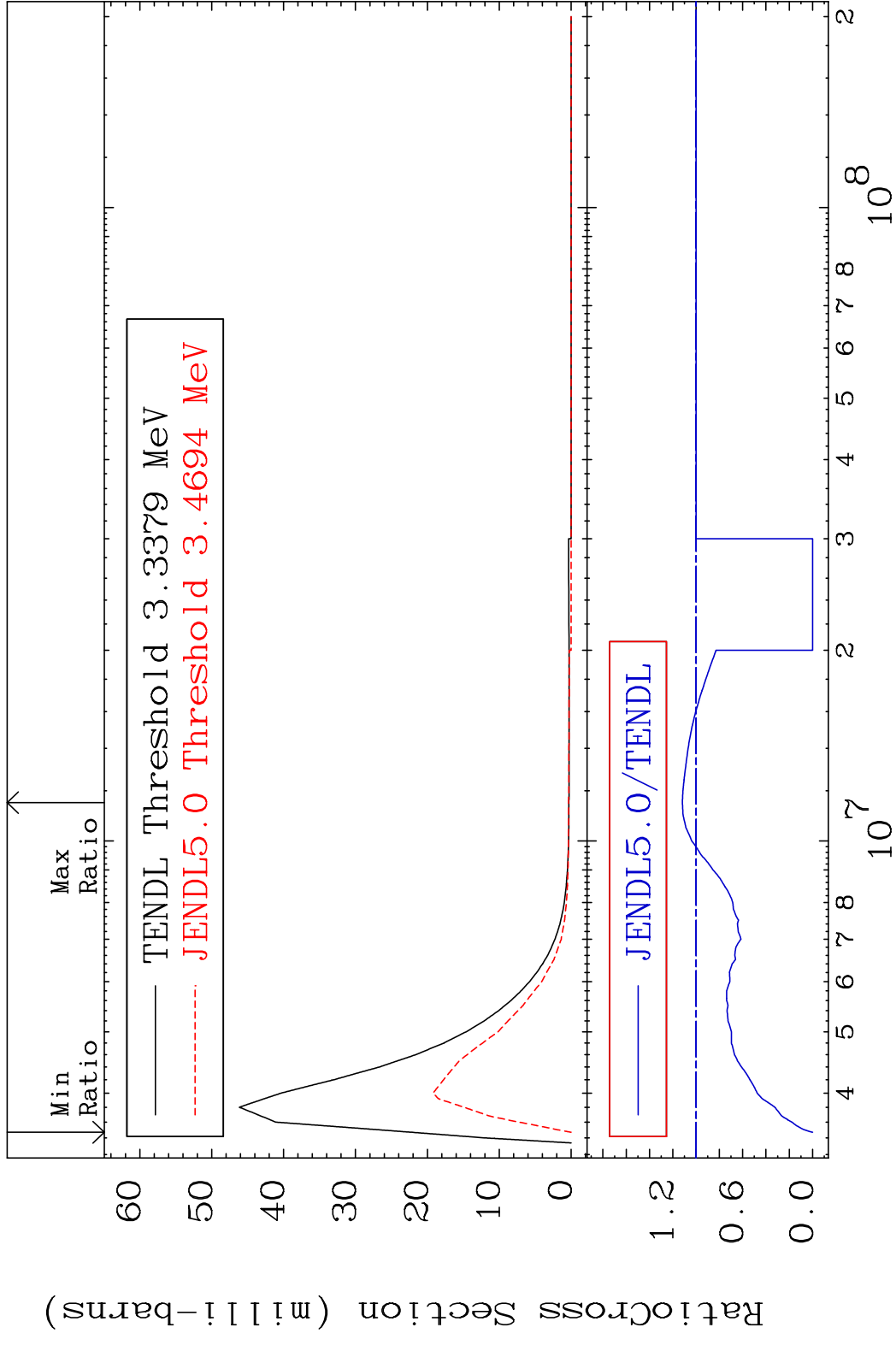
MAT 4019 MT= 73 (n, n') Level 40-Zr-88
 Cross Section -100.0 To 9999. %



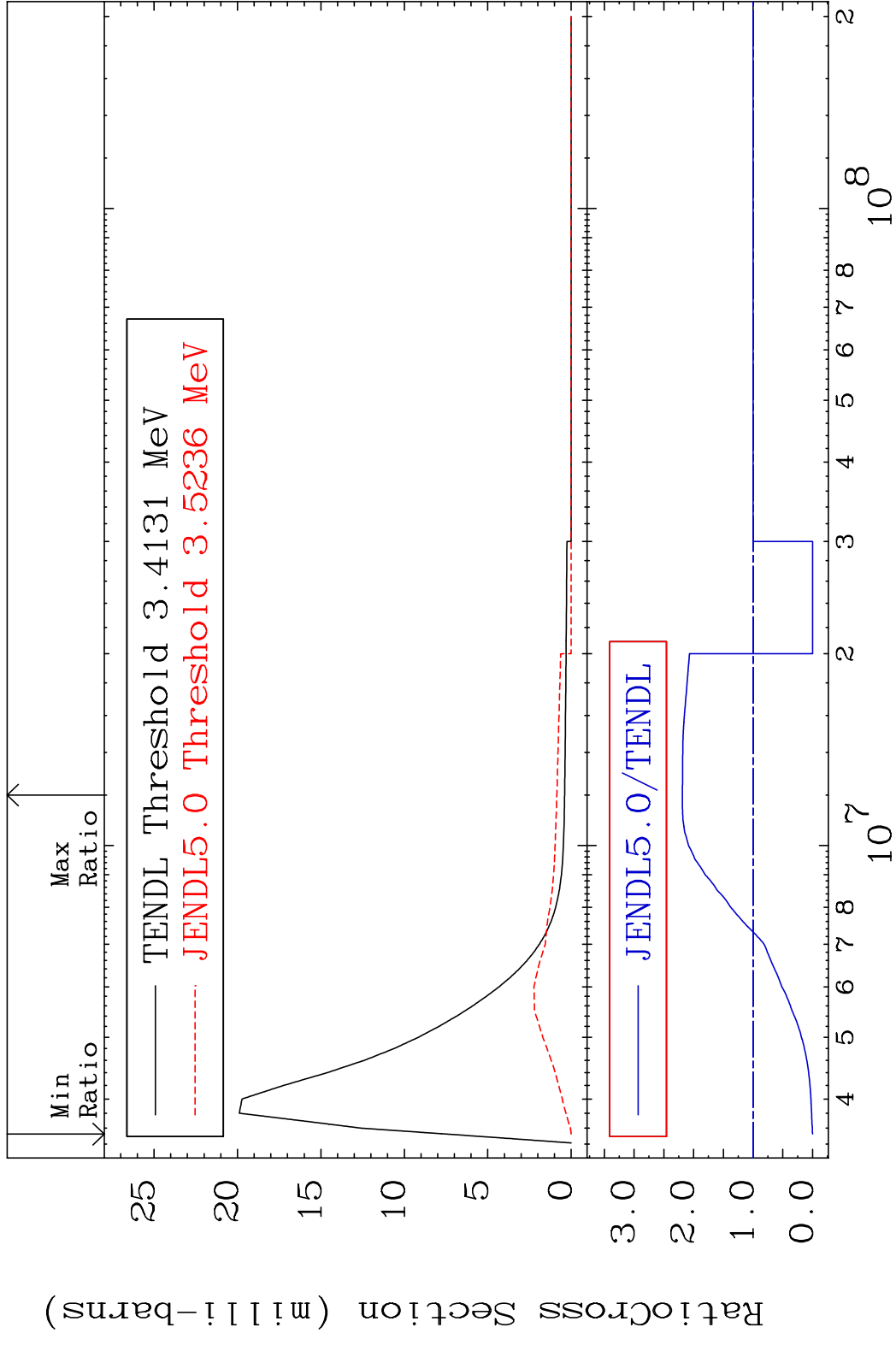
MAT 4019 MT= 74 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 48.46 %



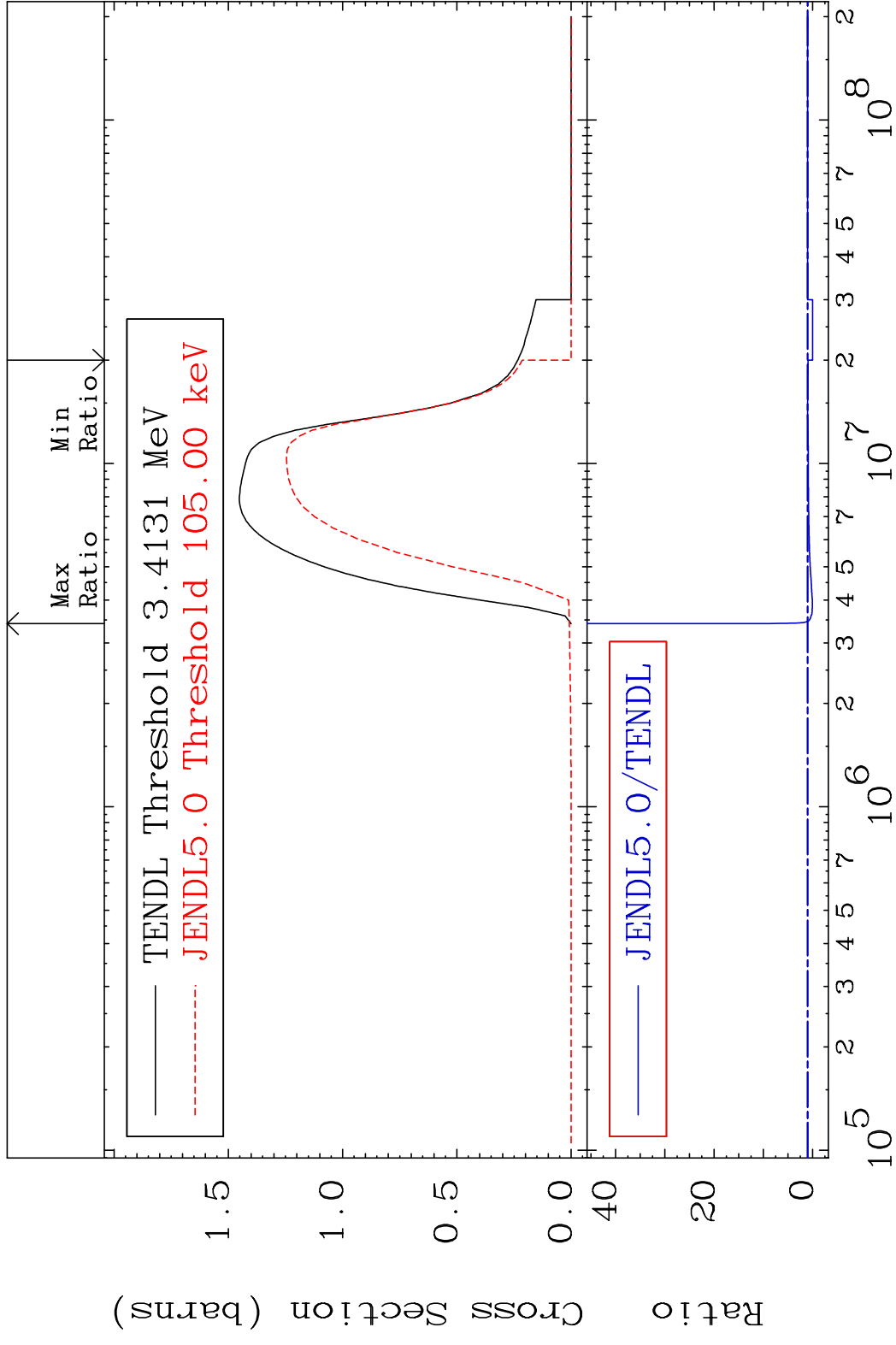
MAT 4019 MT= 75 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 11.78 %



MAT 4019 MT= 76 (n,n') Level 40-Zr-88
 Cross Section -100.0 To 118.9 %



MAT 4019 (n,n') Continuum 40-Zr-88
 Cross Section -100.0 To 2543. %



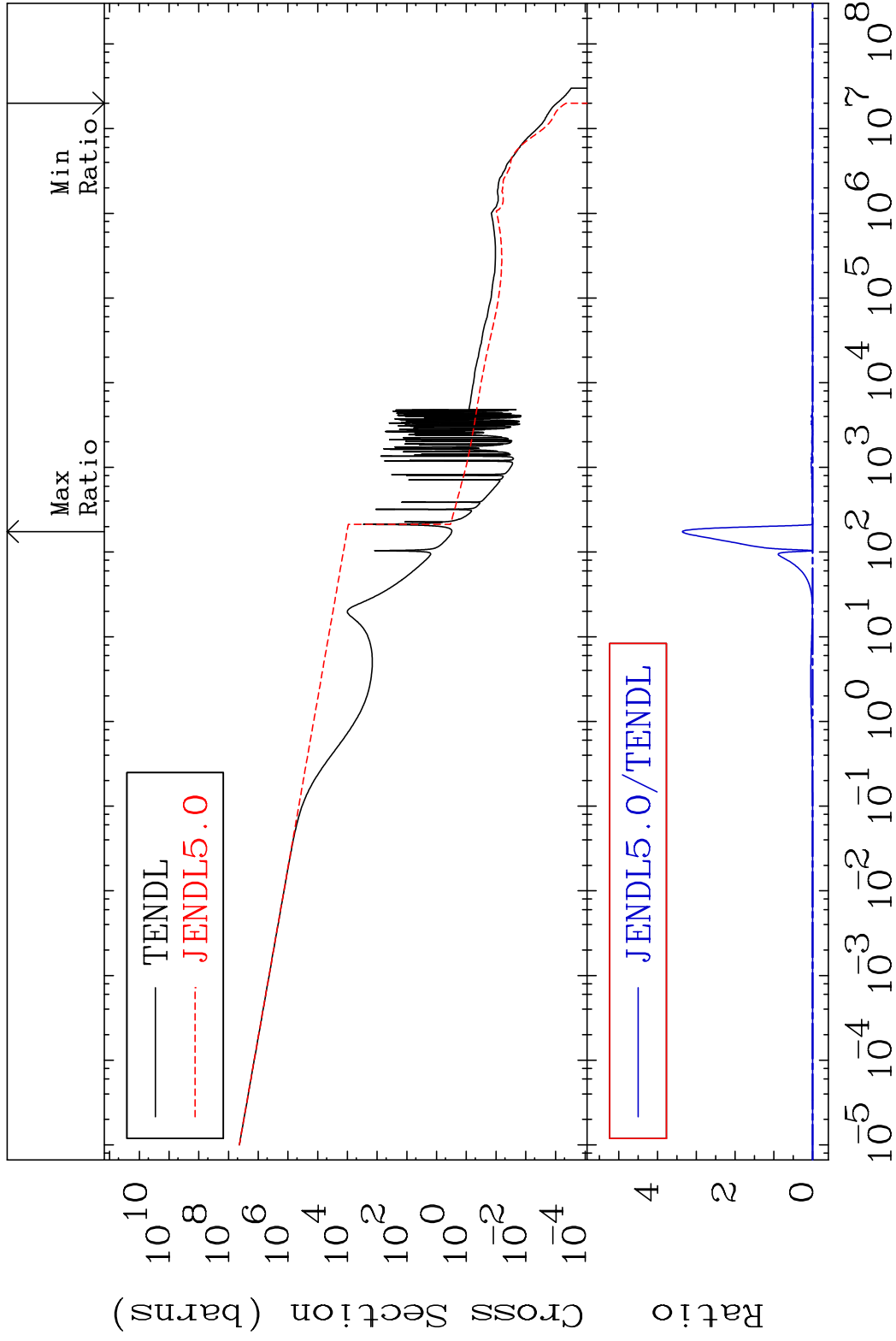
35 Incident Energy (eV) 40-Zr-88

MAT 4019

(n, γ)

40-Zr-88

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

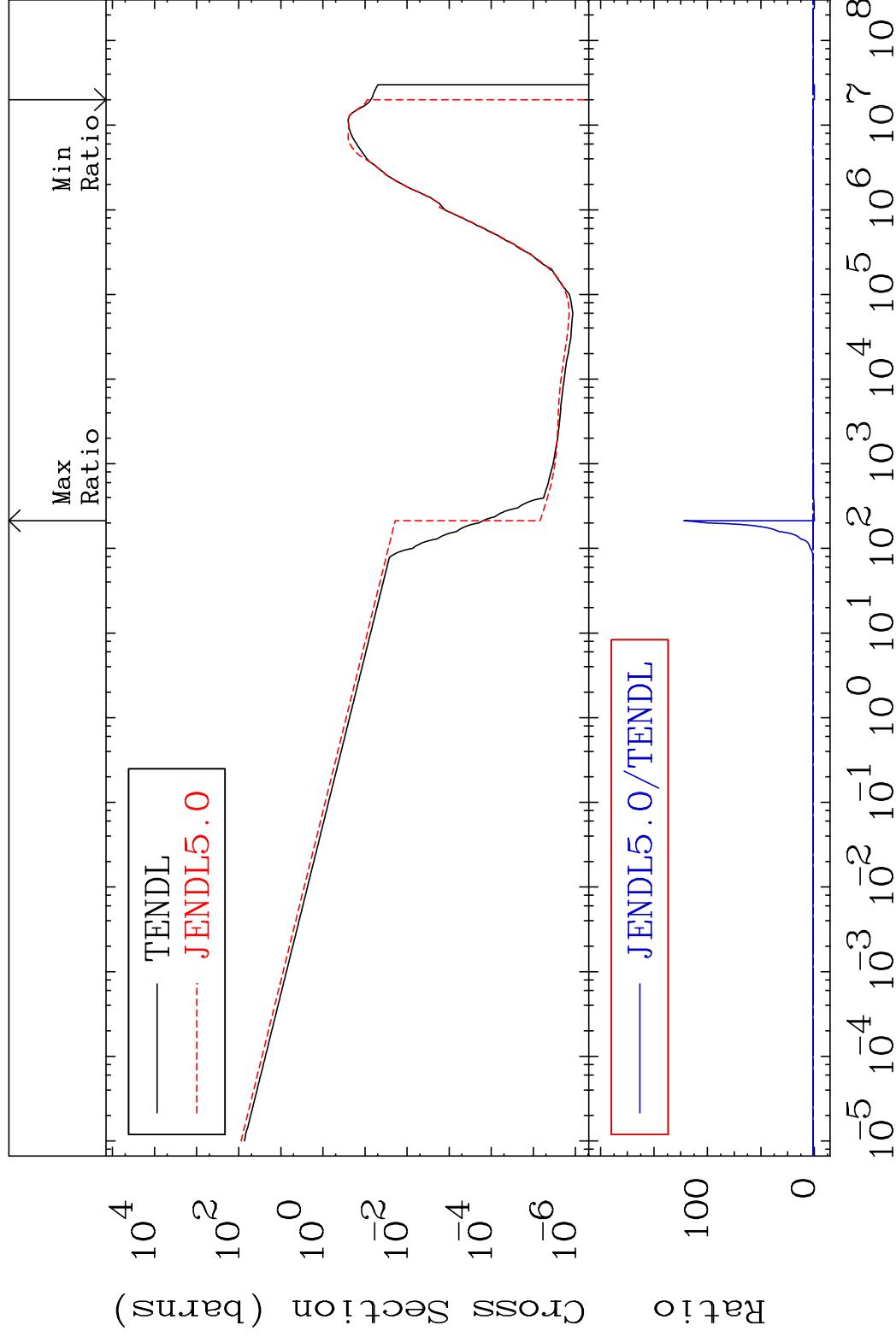
40-Zr-88

MAT 4019

(n, p)

40-Zr-88

Cross Section -100.0 To 9999. %

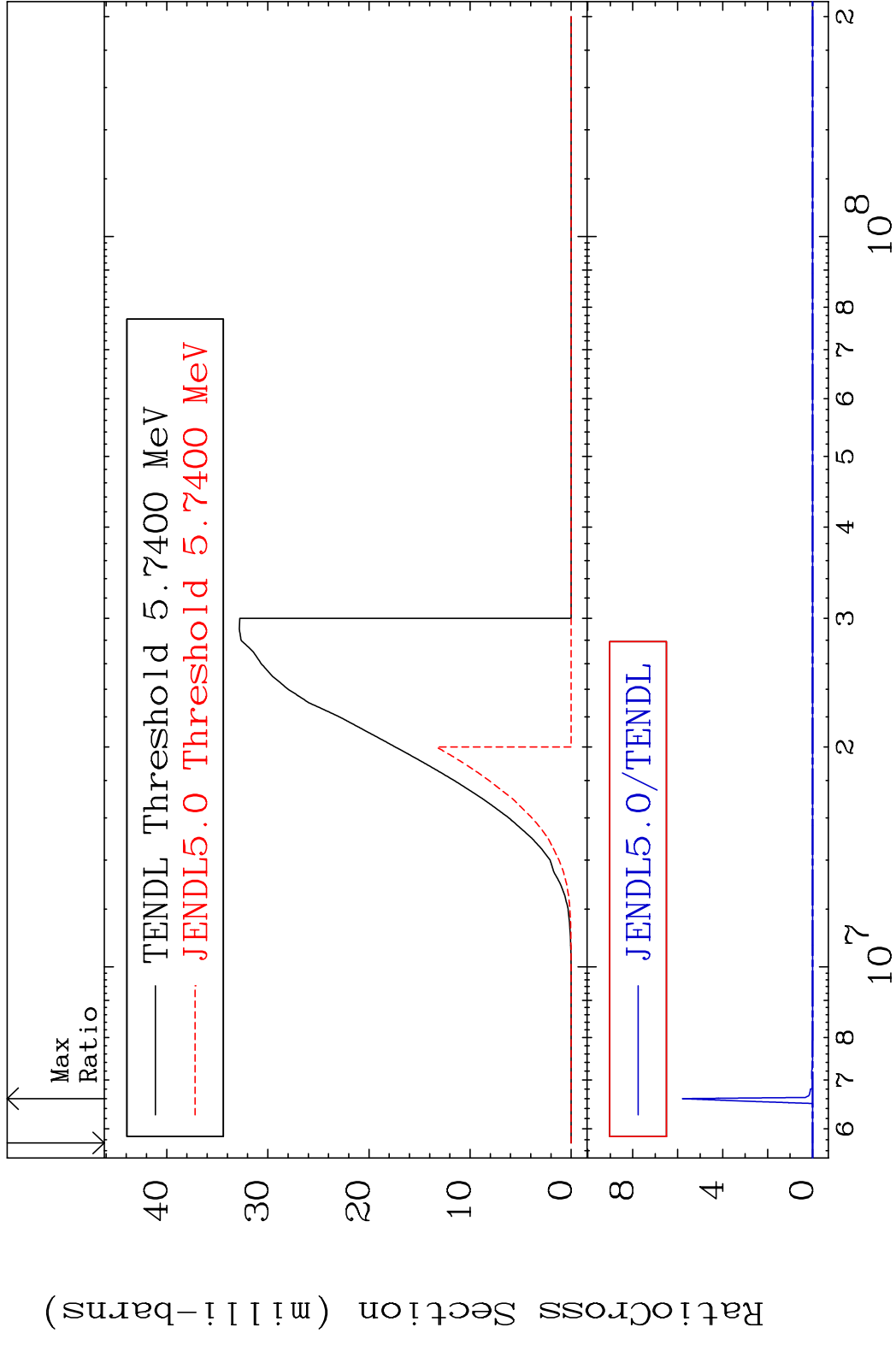


37

Incident Energy (eV)

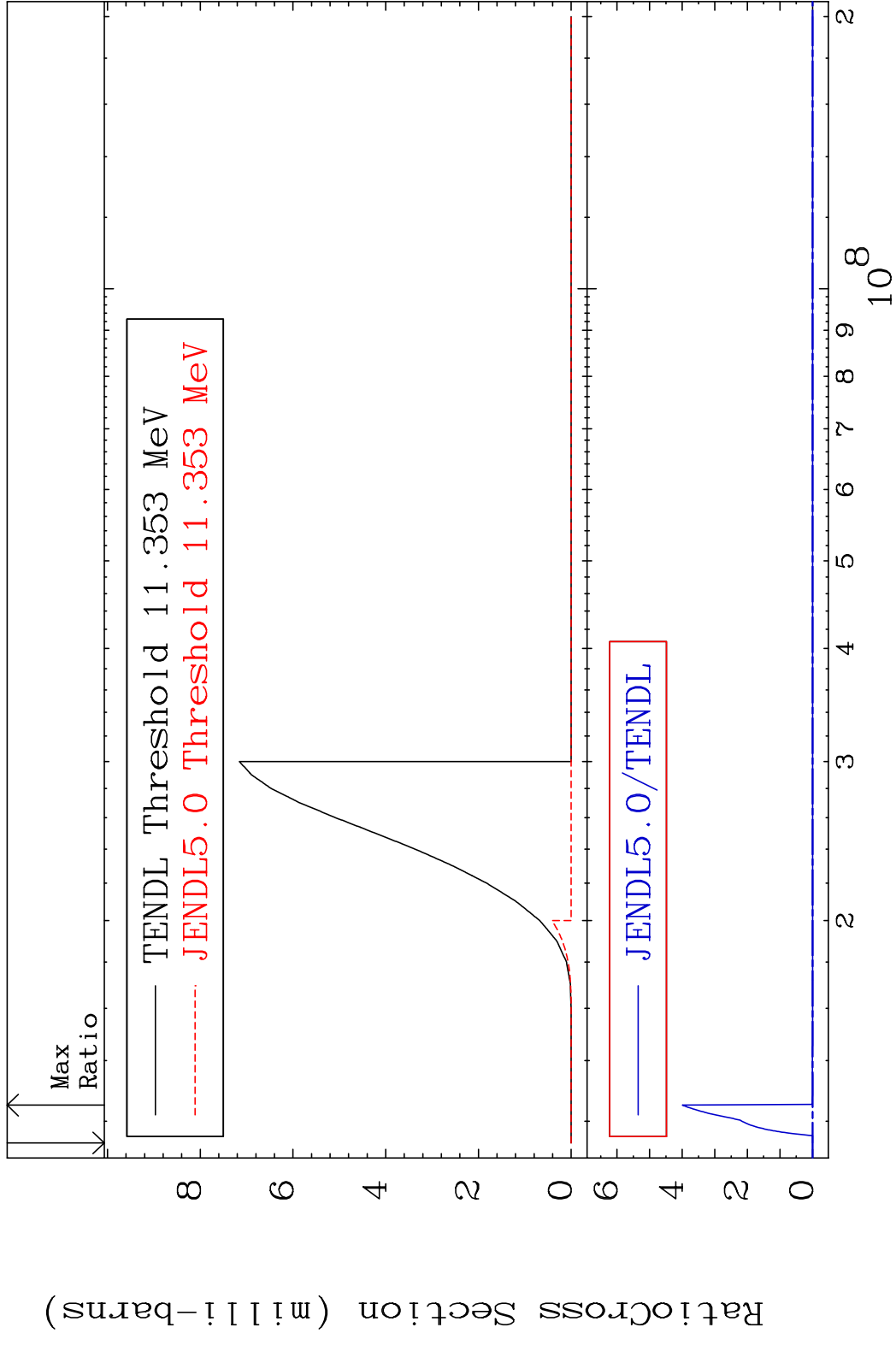
40-Zr-88

MAT 4019 (n,d) 40-Zr-88
 Cross Section -100.0 To 9999. %

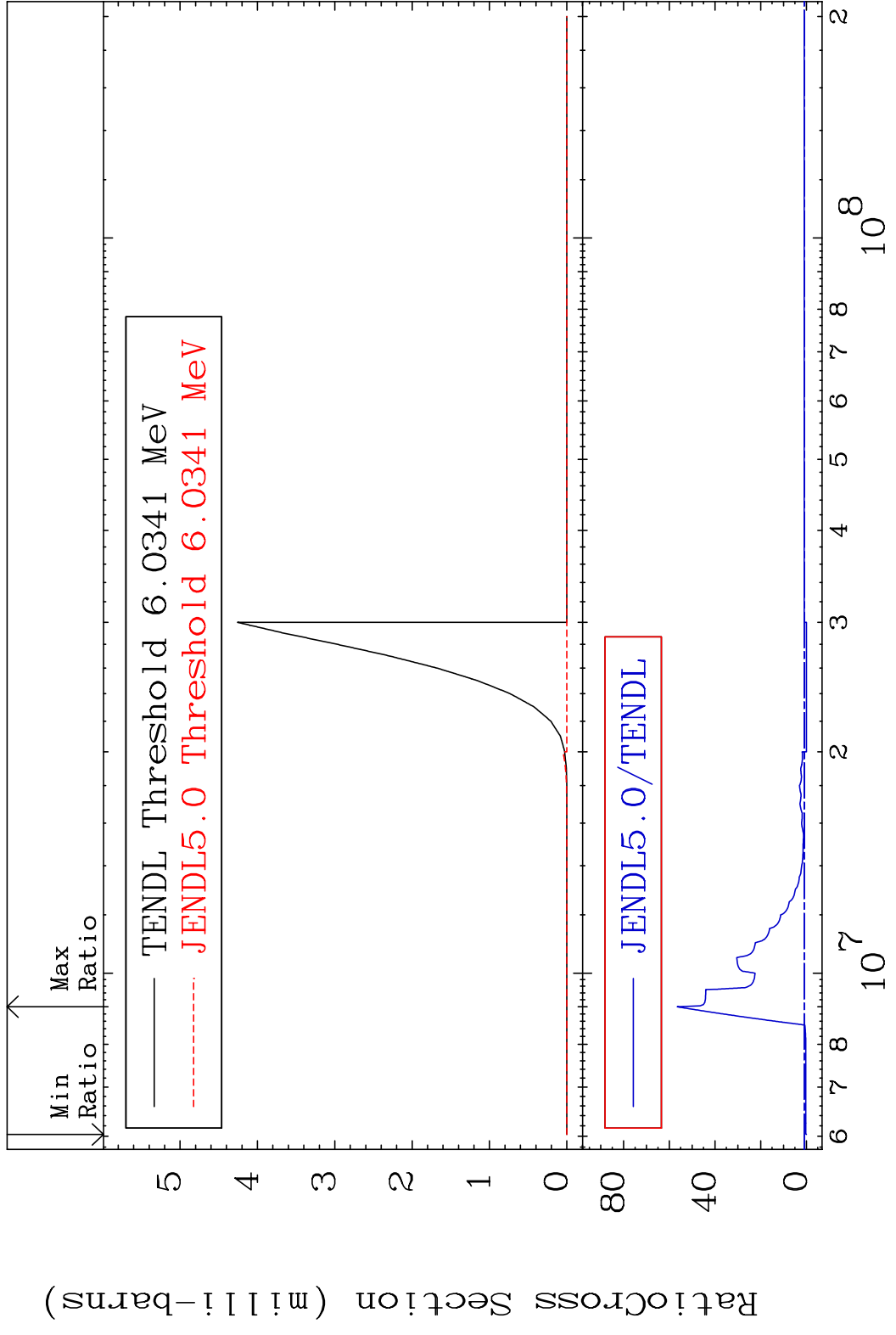


38 Incident Energy (eV) 40-Zr-88

MAT 4019 (n, t) 40-Zr-88
 Cross Section -100.0 To 9999. %



MAT 4019 (n, He-3) 40-Zr-88
 Cross Section -100.0 To 5555. %



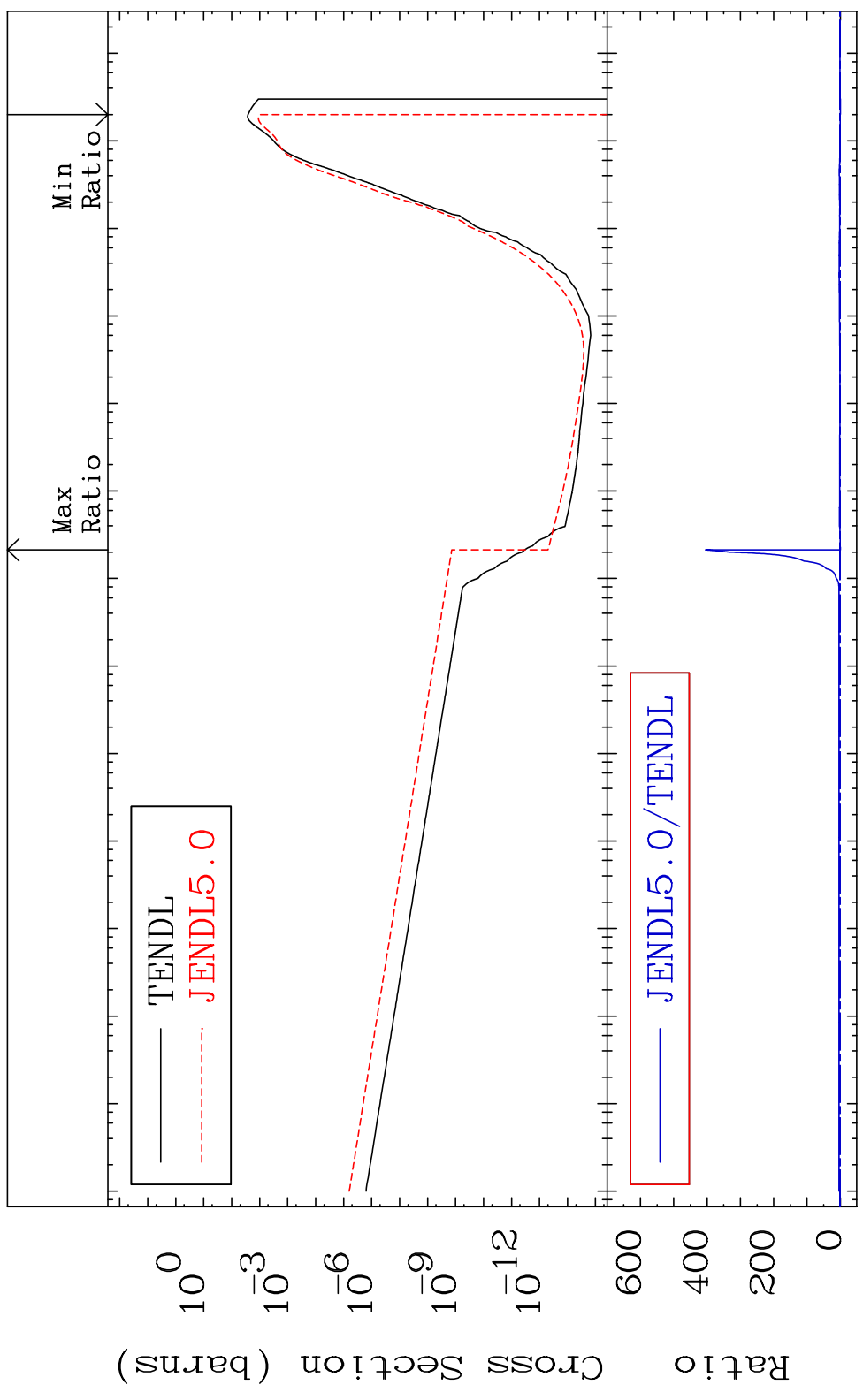
40 Incident Energy (eV) 40-Zr-88

MAT 4019

(n, α)

40-Zr-88

Cross Section -100.0 To 9999. %

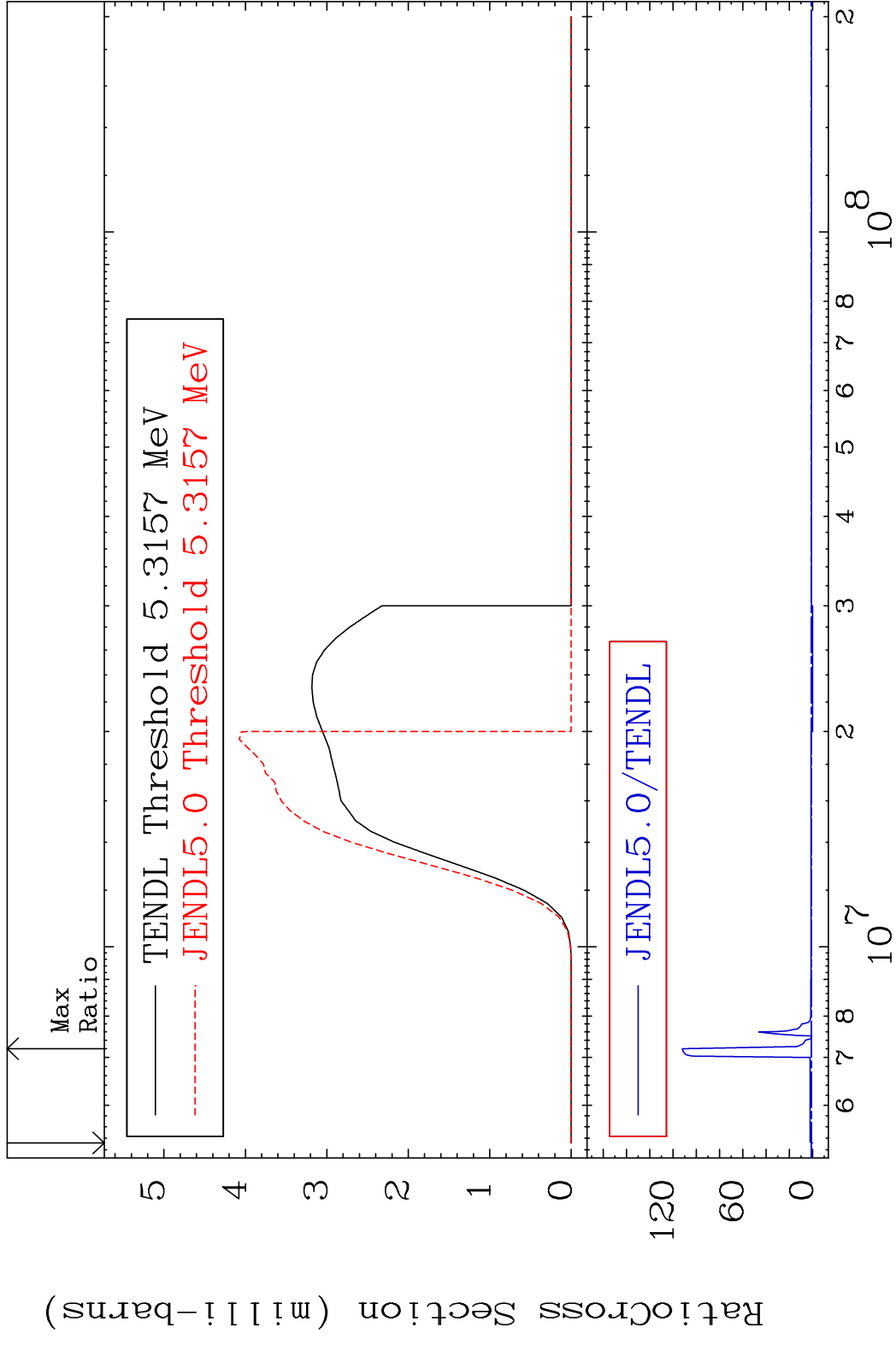


41

Incident Energy (eV)

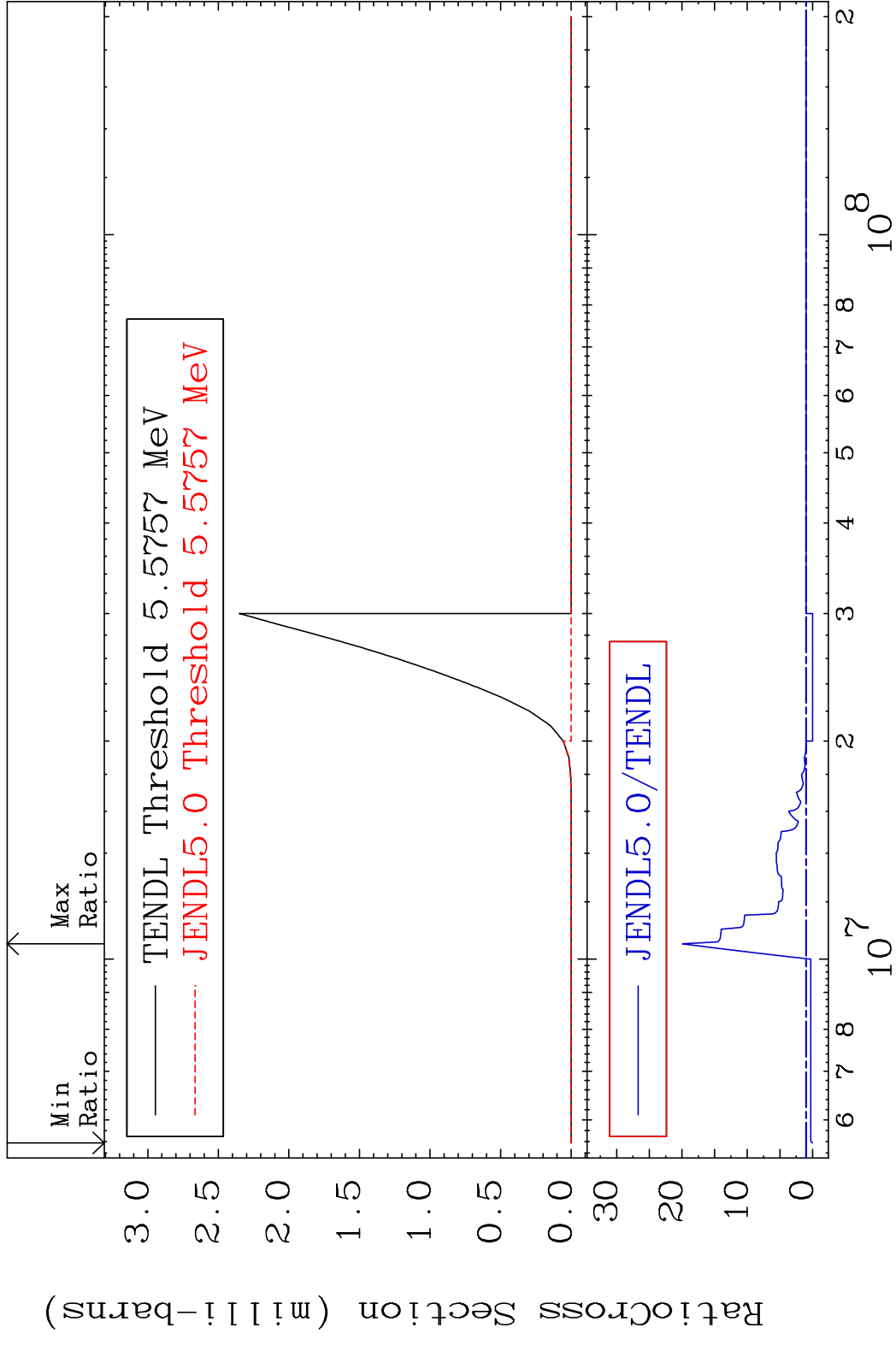
40-Zr-88

MAT 4019 (n,2p) 40-Zr-88
 Cross Section -100.0 To 9999. %



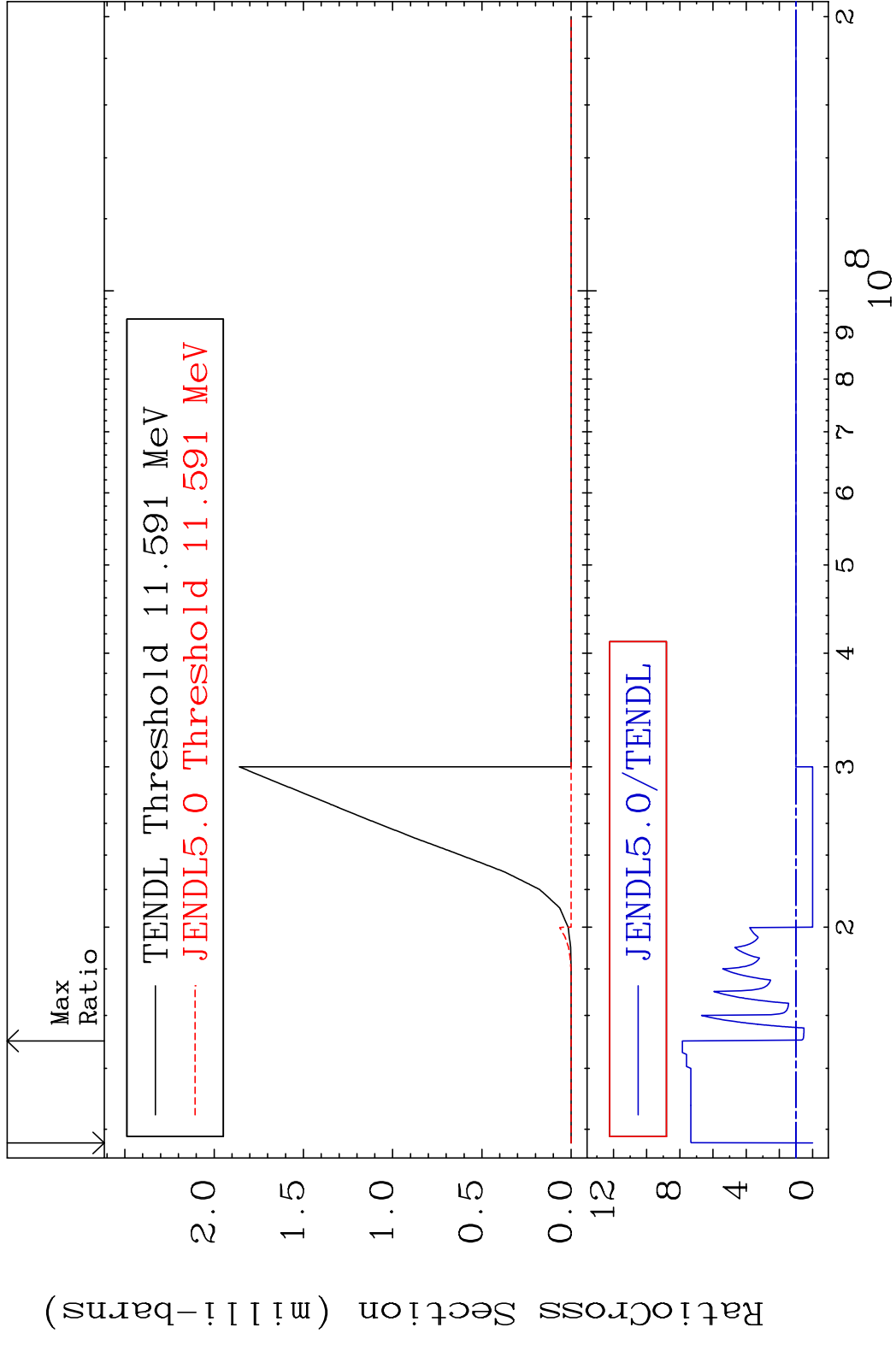
42 Incident Energy (eV) 40-Zr-88

MAT 4019 (n,p) α 40-Zr-88
 Cross Section -100.0 To 1894. %



43 Incident Energy (eV) 40-Zr-88

MAT 4019 (n,p) d 40-Zr-88
 Cross Section -100.0 To 685.0 %

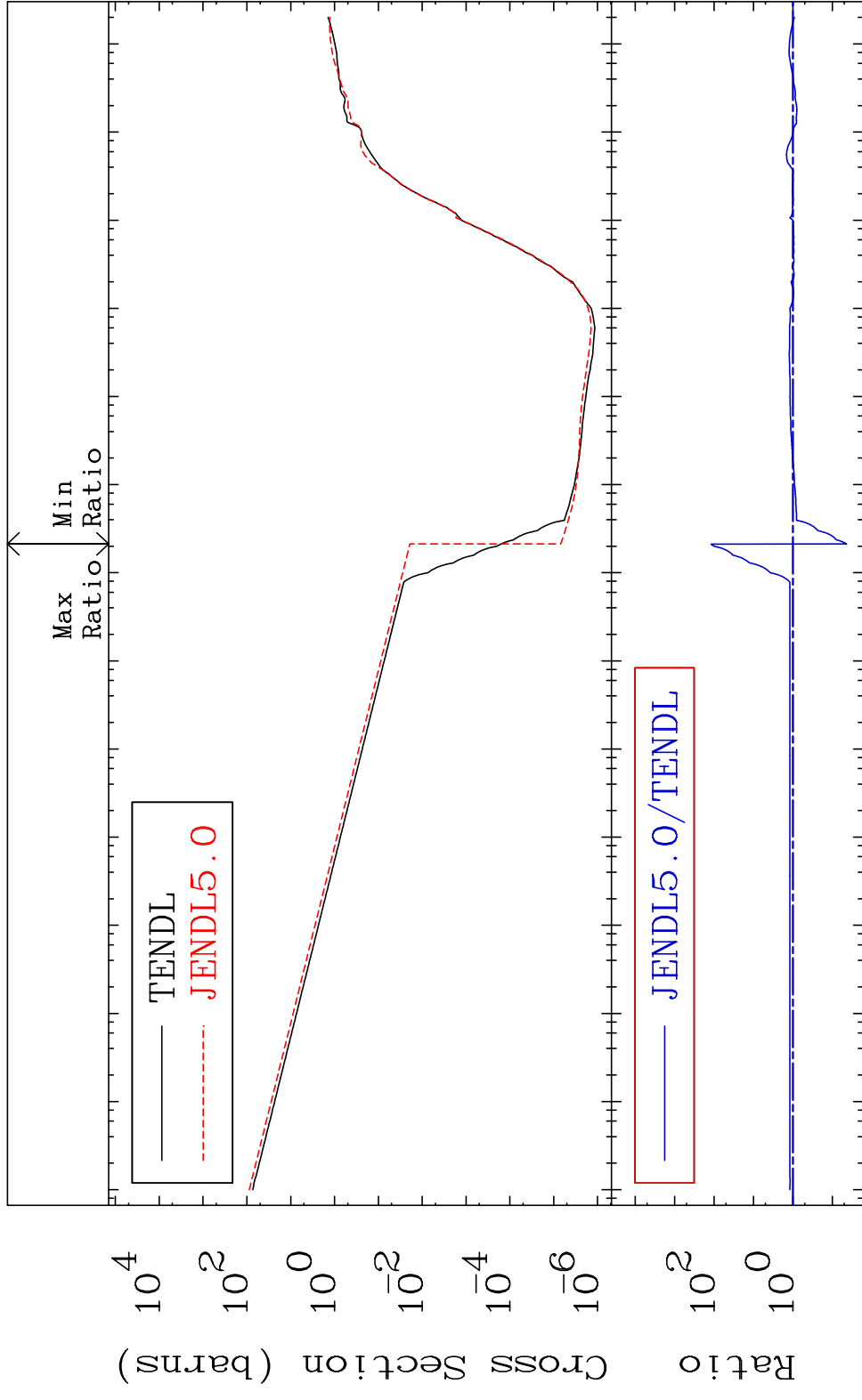


44 Incident Energy (eV) 40-Zr-88

MAT 4019

Hydrogen Production
Cross Section -95.59 To 9999. %

40-Zr-88

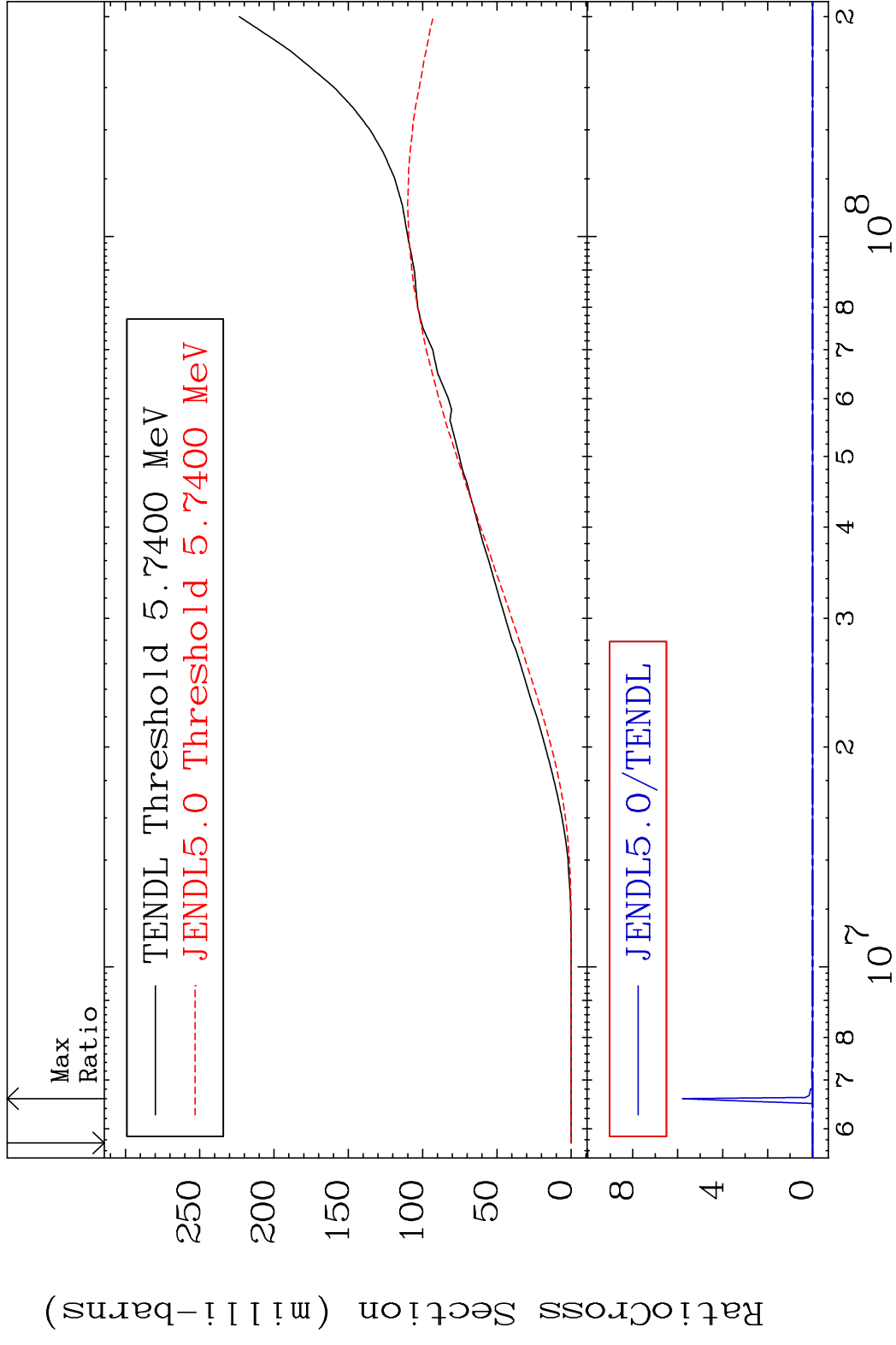


45

Incident Energy (eV)

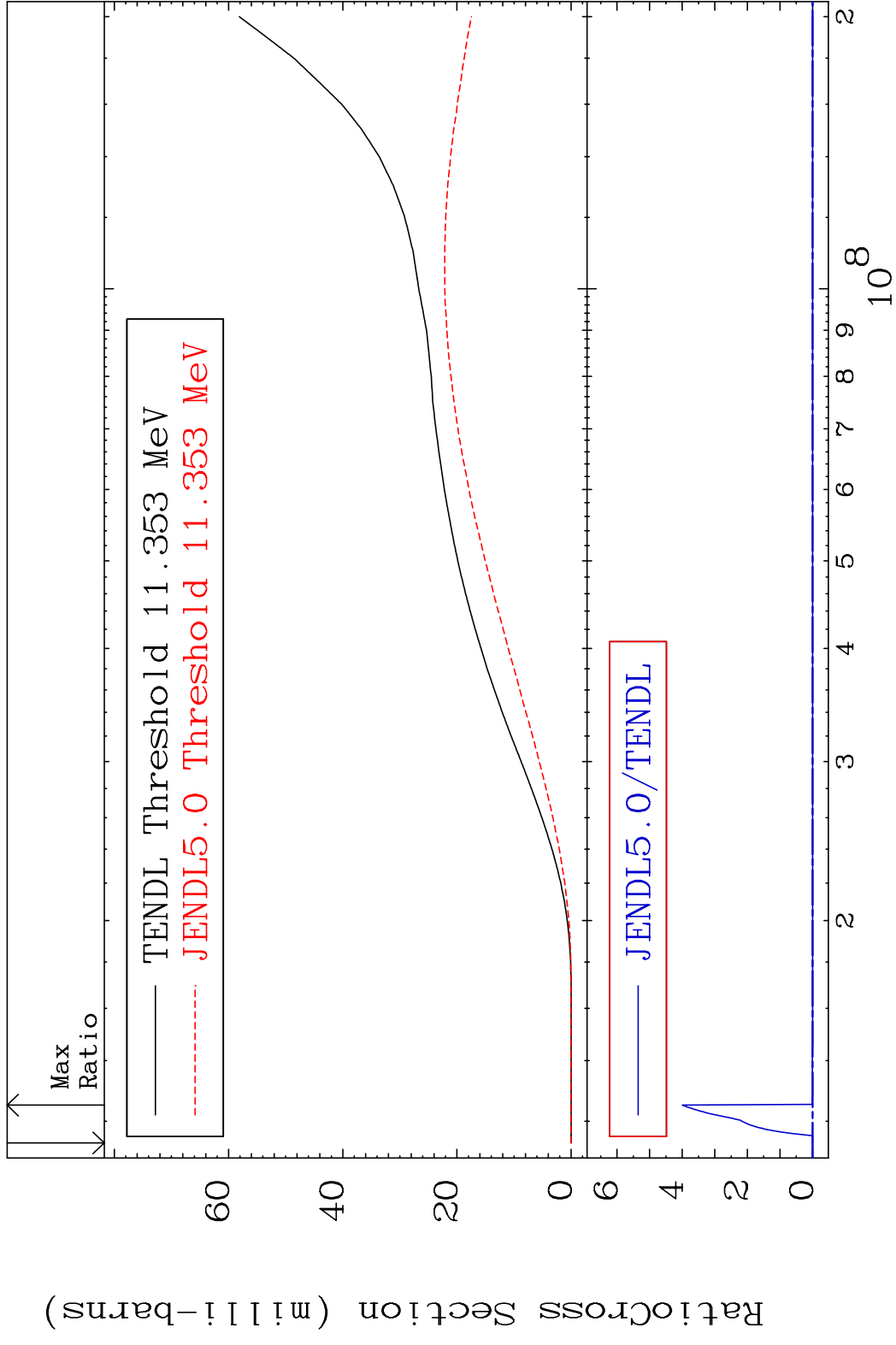
40-Zr-88

MAT 4019 Deuterium Production 40-Zr-88
 Cross Section -100.0 To 9999. %



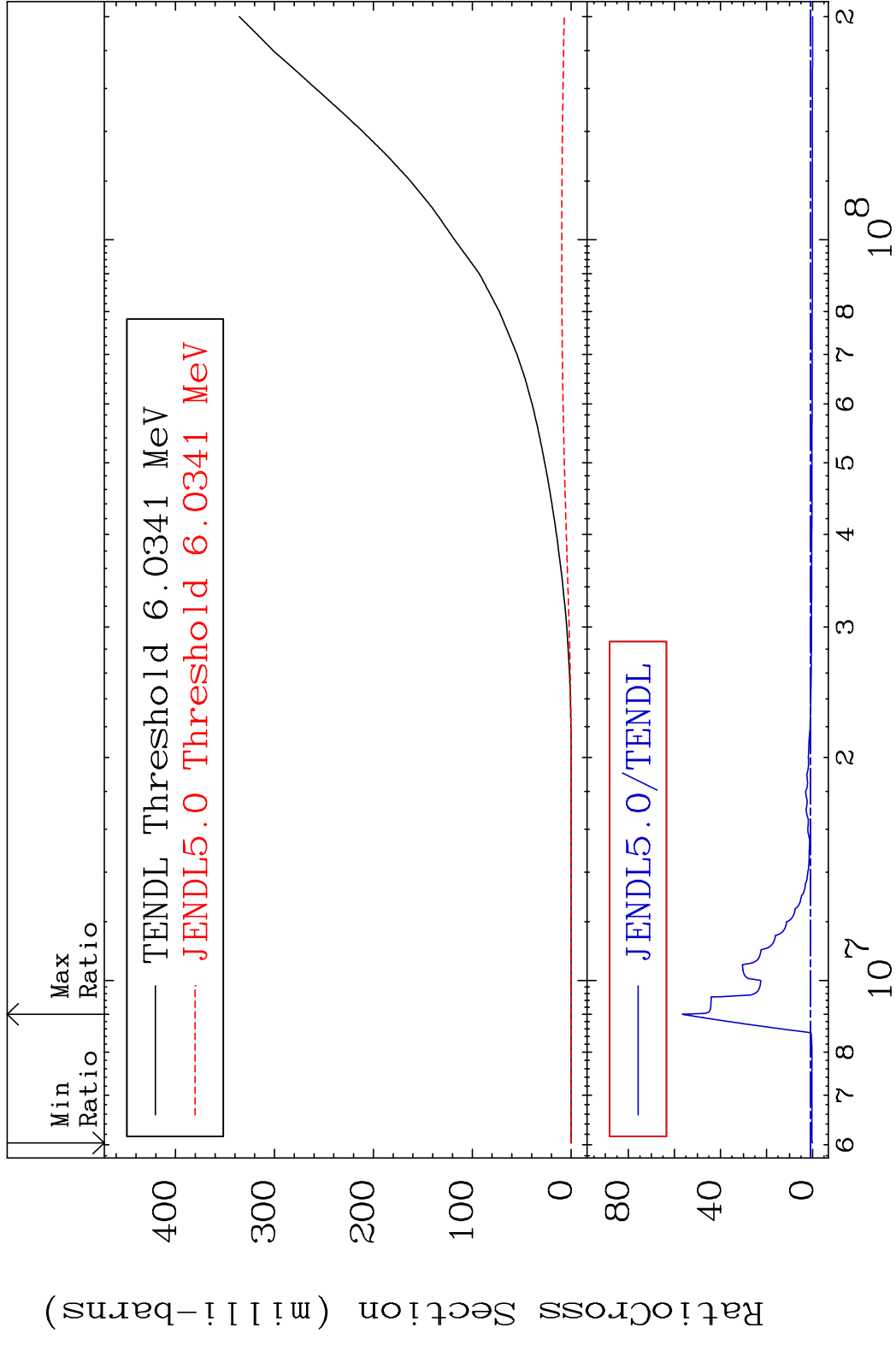
46 40-Zr-88

MAT 4019 Tritium Production 40-Zr-88
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 40-Zr-88

MAT 4019 He-3 Production 40-Zr-88
 Cross Section -100.0 To 5555. %



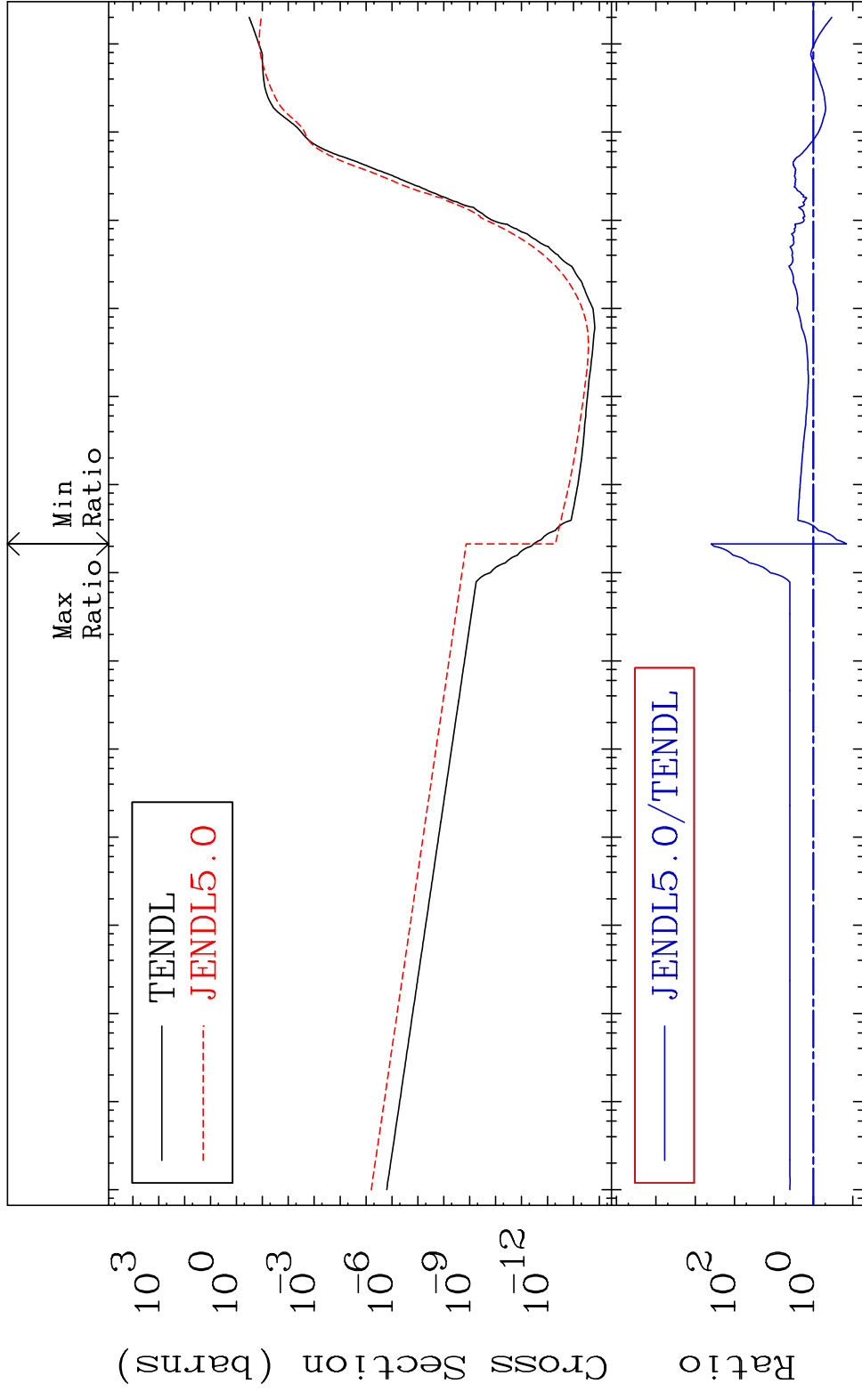
48 Incident Energy (eV) 40-Zr-88

MAT 4019

He-4 Production

40-Zr-88

Cross Section -85.39 To 9999. %

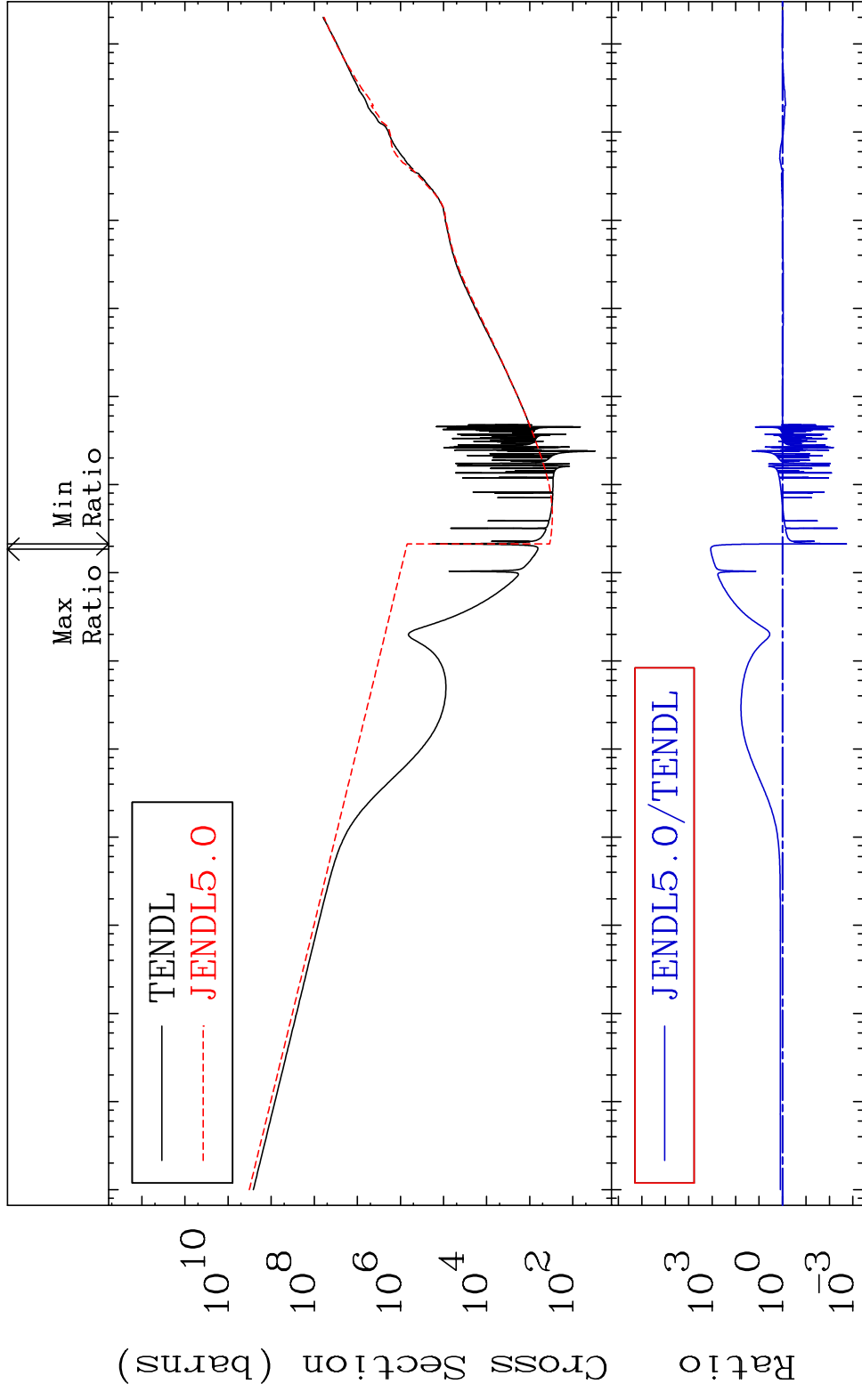


49

Incident Energy (eV)

40-Zr-88

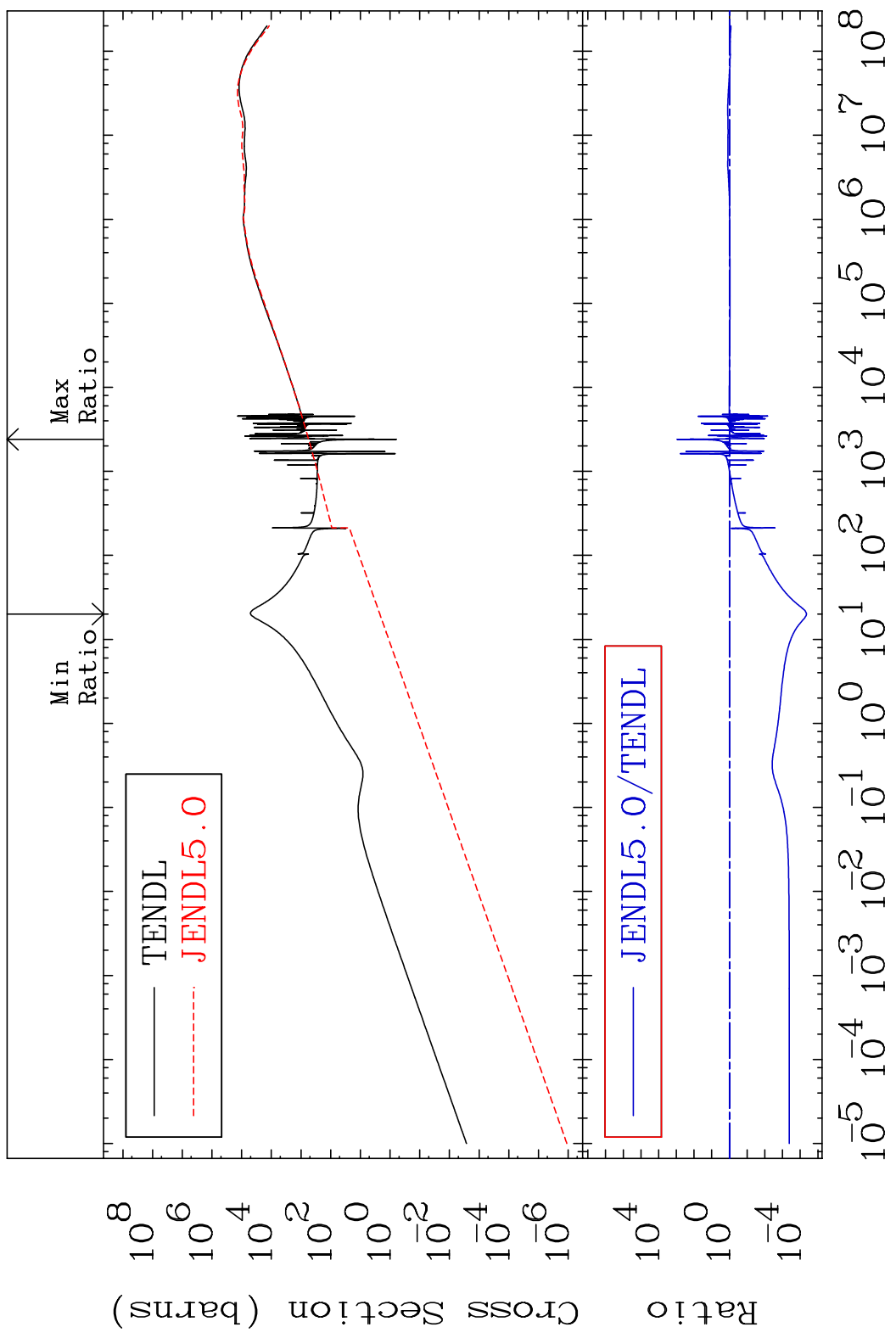
MAT 4019 Kerma total (eV-barns) 40-Zr-88
Cross Section -99.81 To 9999. %



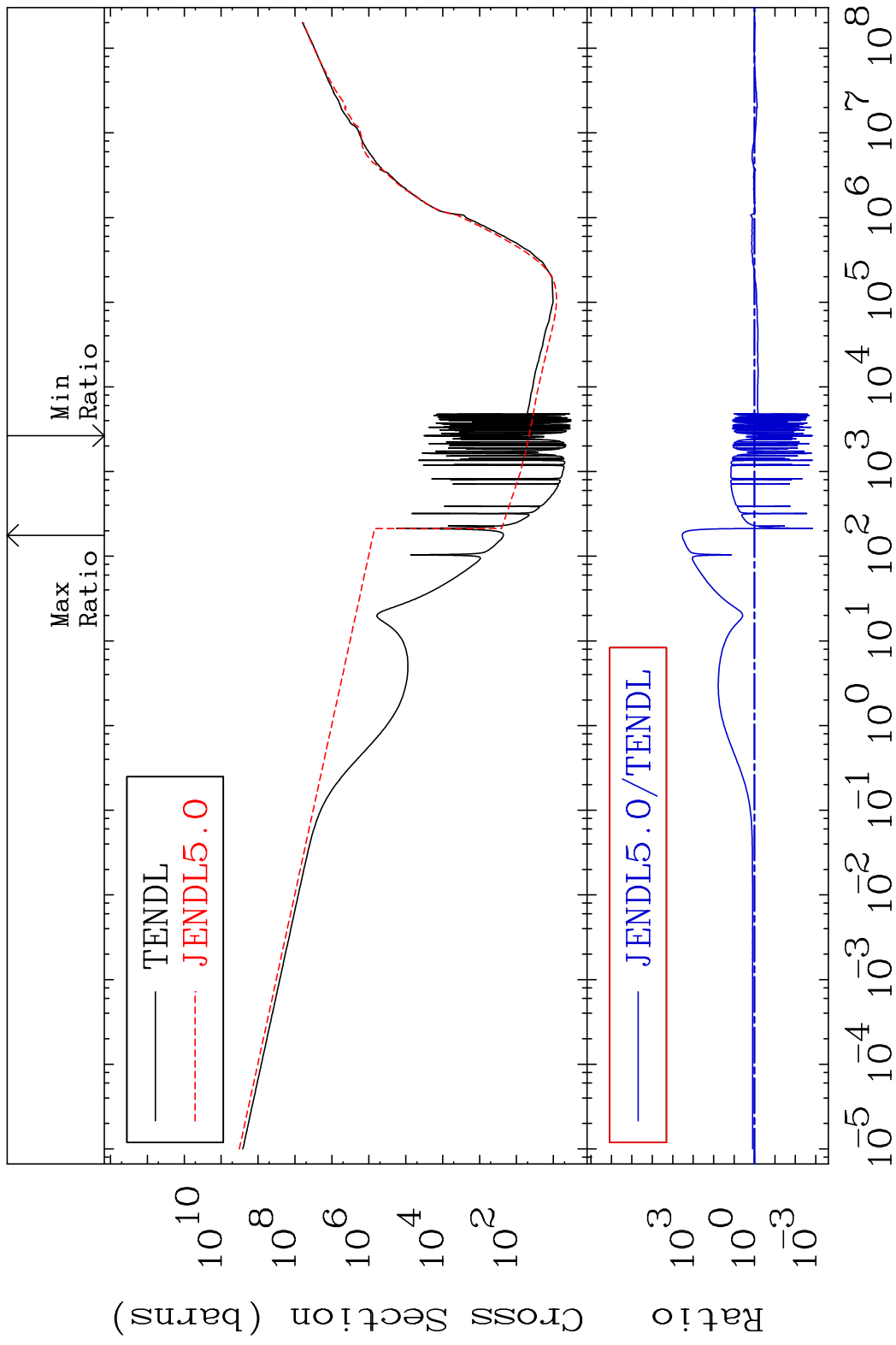
50 Incident Energy (eV) 40-Zr-88

MAT 4019

Kerma elastic Cross Section -100.0 To 9999. %
40-Zr-88

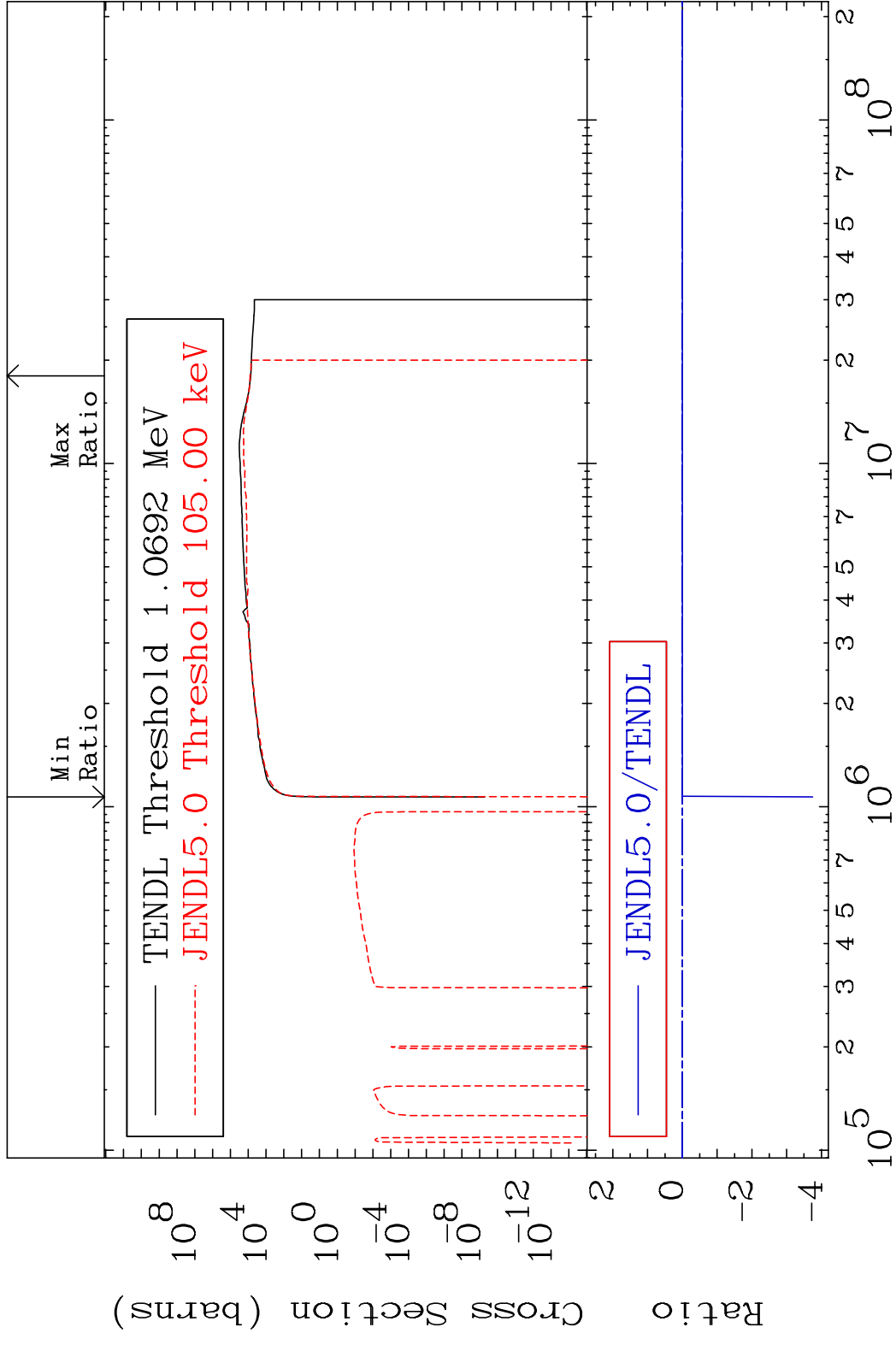


MAT 4019 Kerma non-elastic (all but mt2) 40-Zr-88
 Cross Section -99.86 To 9999. %

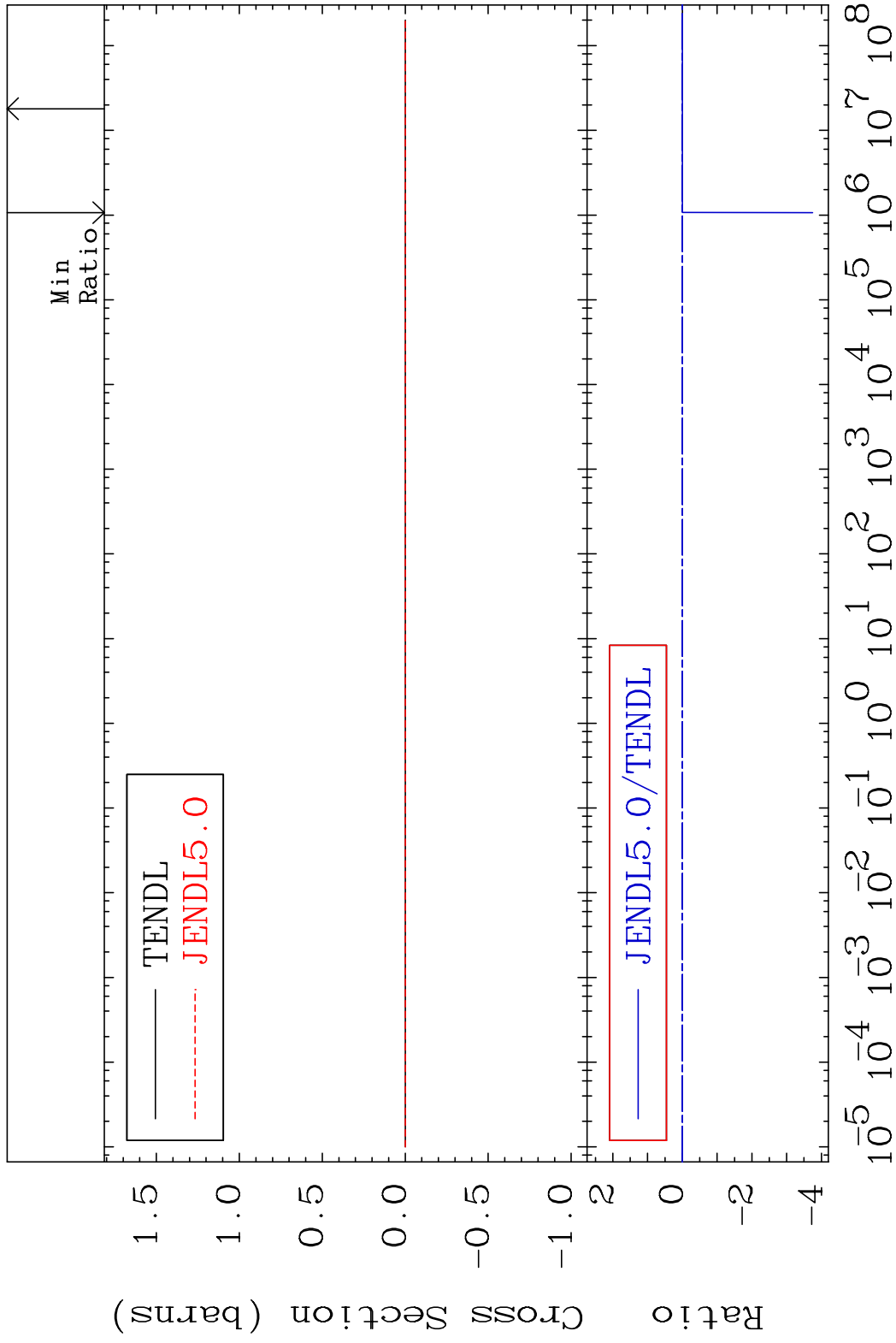


52 Incident Energy (eV) 40-Zr-88

MAT 4019 Kerma inelastic (mt51-91) 40-Zr-88
 Cross Section -9999. To 9.689 %



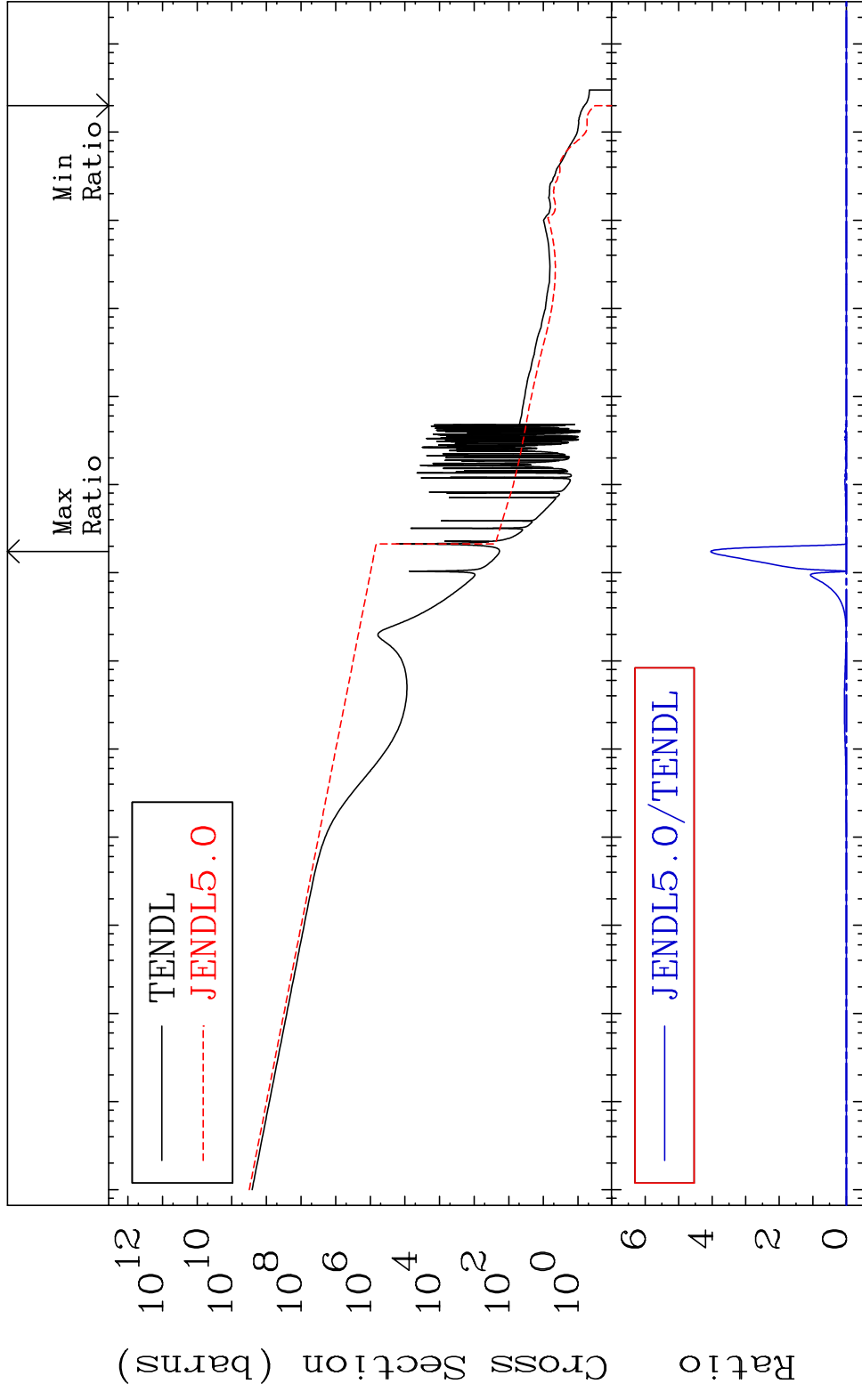
MAT 4019 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-88
 Cross Section -9999. To 9.689 %



MAT 4019

Kerma capture (mt102) 40-Zr-88

Cross Section -100.0 To 9999. %

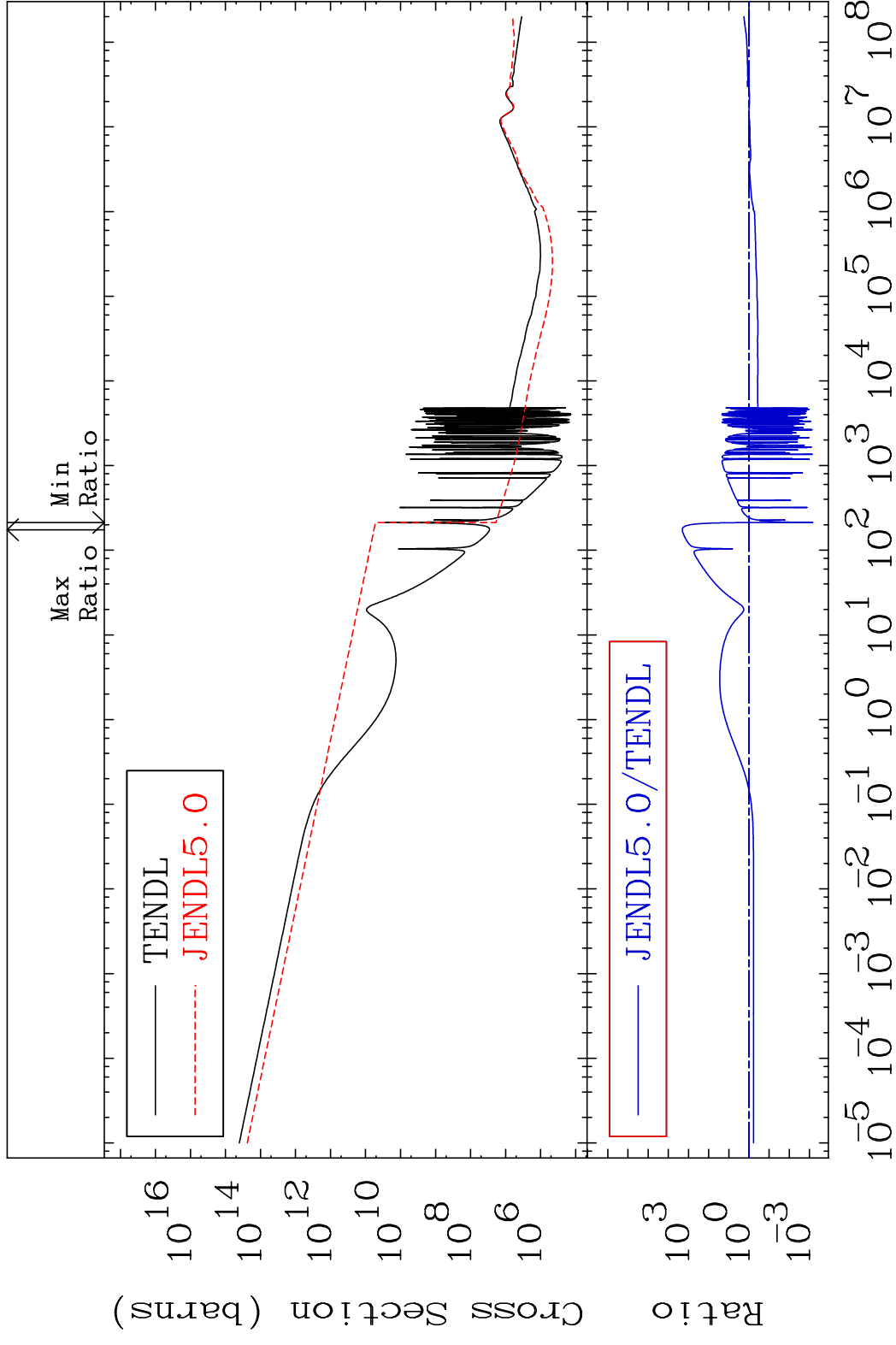


55

Incident Energy (eV)

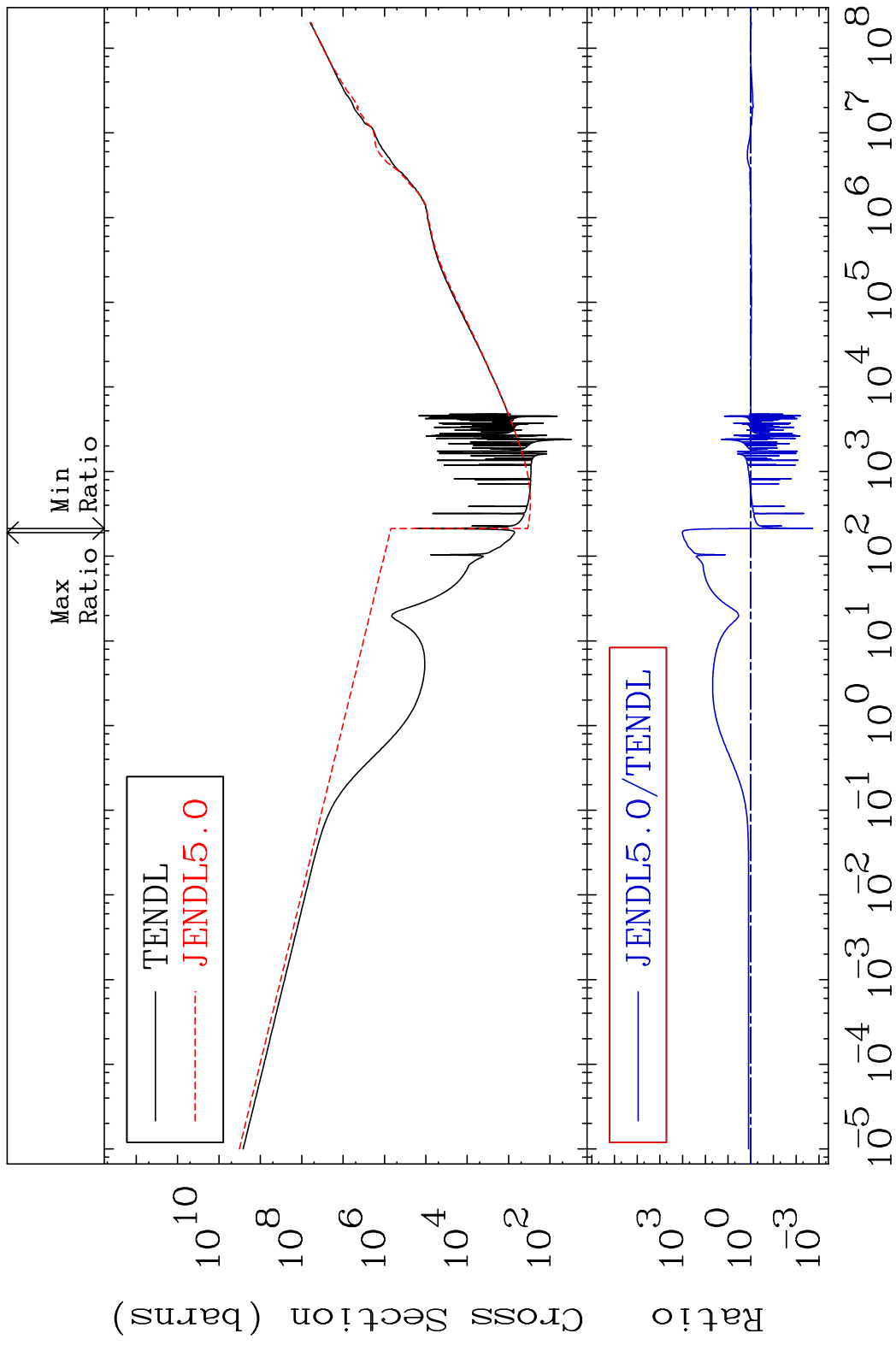
40-Zr-88

MAT 4019 Total photon (eV-barns) 40-Zr-88
 Cross Section -99.93 To 9999. %

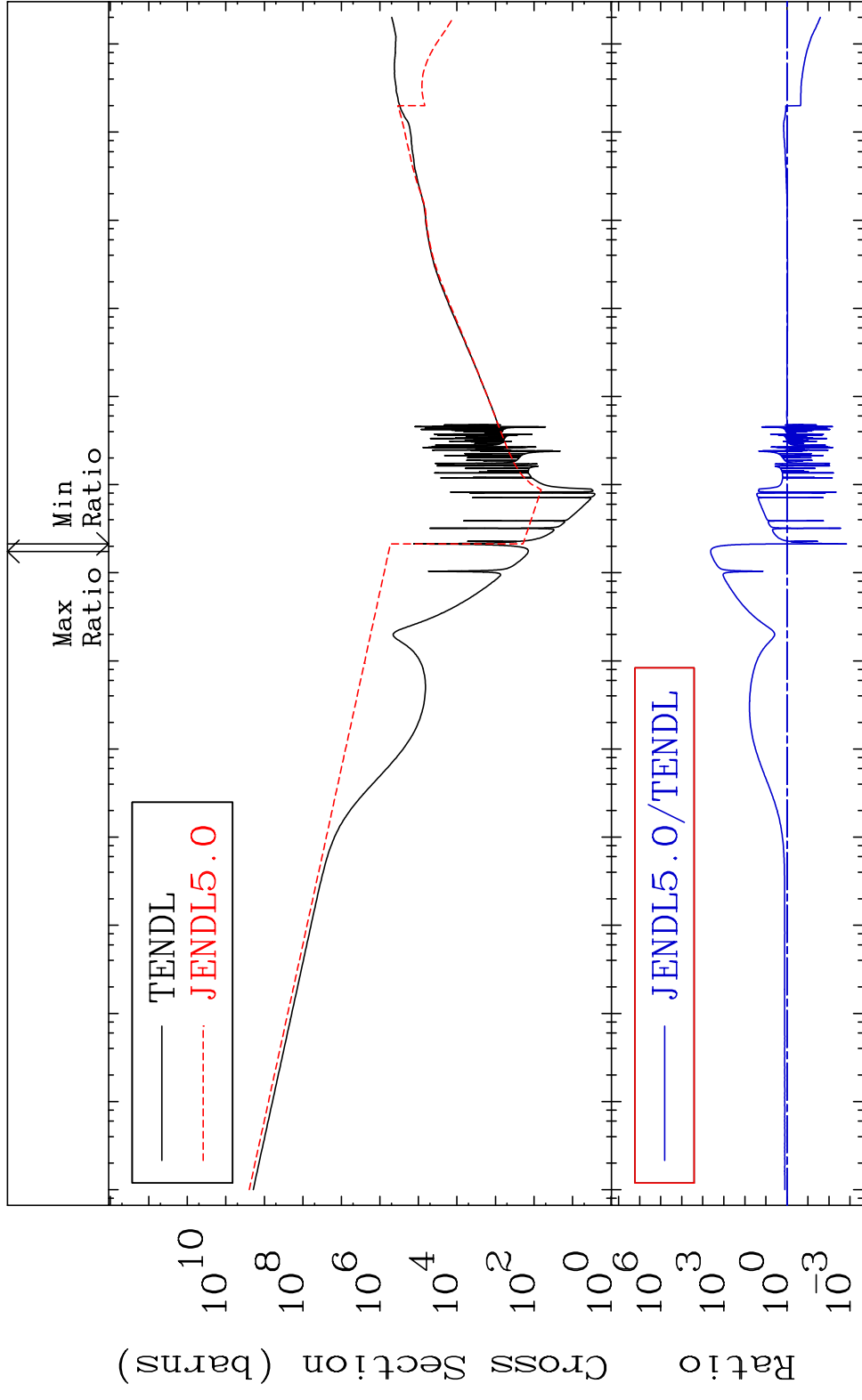


56 Incident Energy (eV) 40-Zr-88

MAT 4019 Total kinematic kerma (high limit) 40-Zr-88
 Cross Section -99.81 To 9999. %



MAT 4019 Dpa total (eV-barns) 40-Zr-88
 Cross Section -99.85 To 9999. %



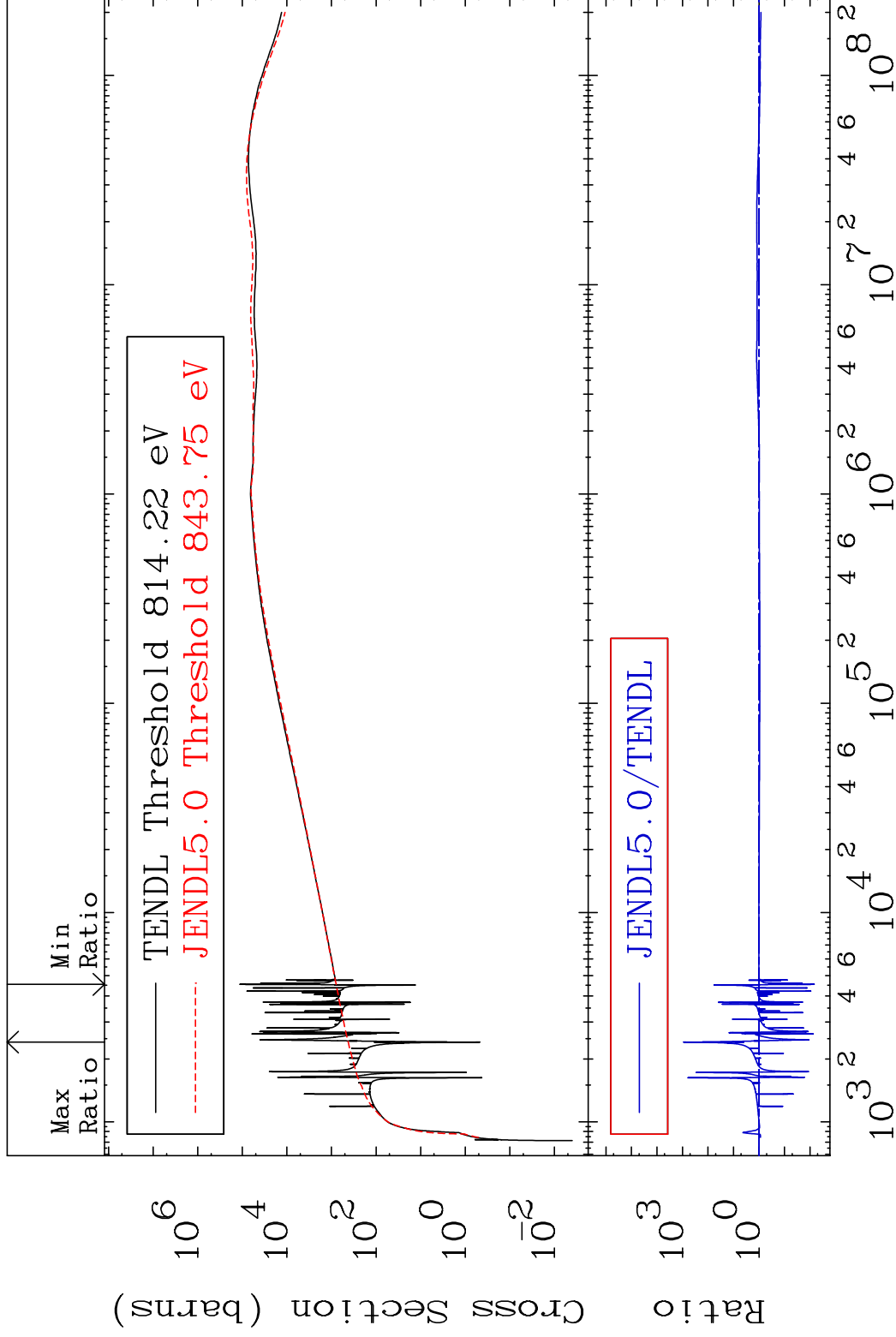
MAT 4019

Dpa elastic (mt2)

40-Zr-88

Cross Section

-99.31 To 9999. %



59

Incident Energy (eV)

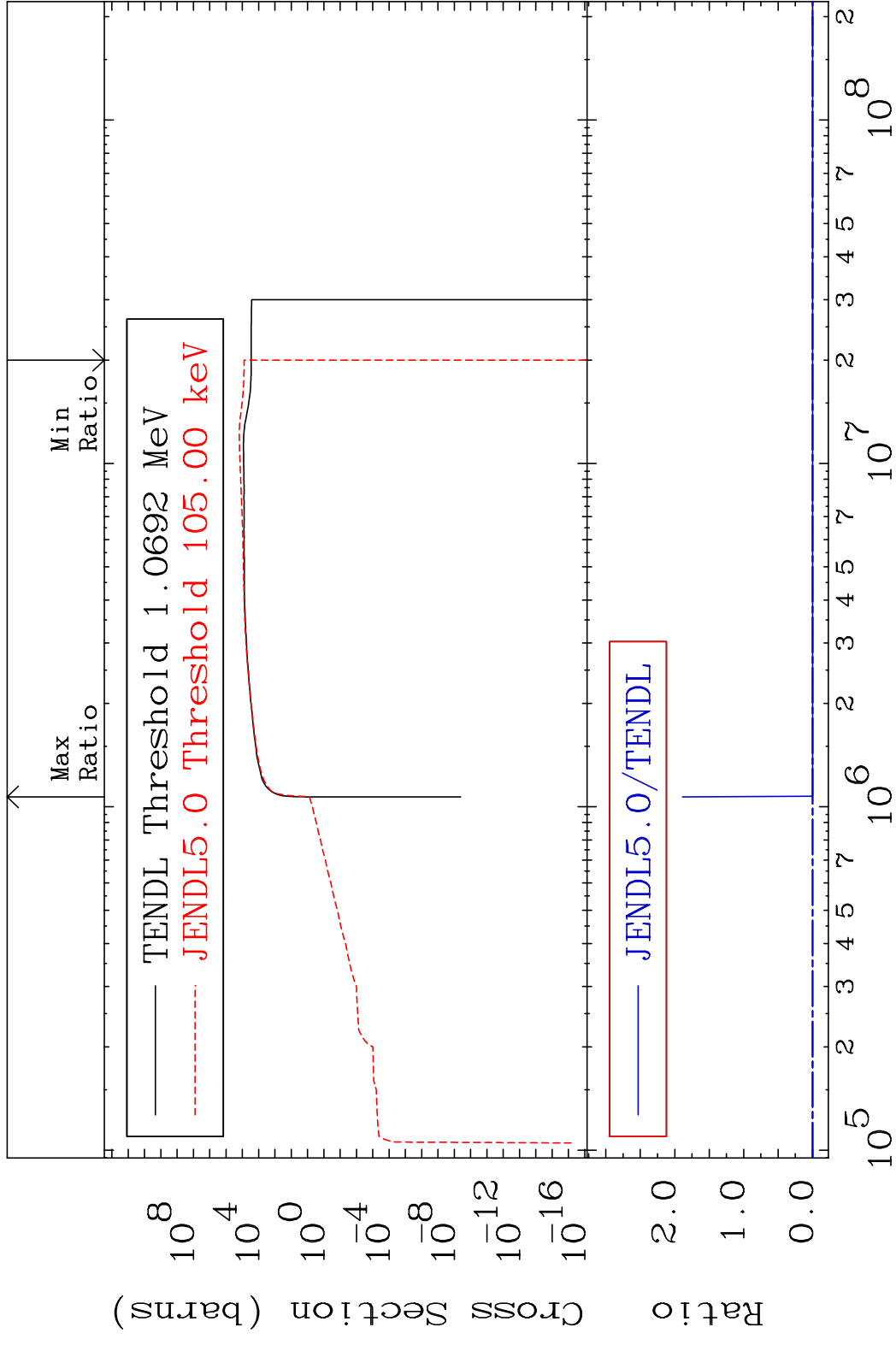
40-Zr-88

MAT 4019

Dpa inelastic (mt51-91)

40-Zr-88

Cross Section -100.0 To 9999. %

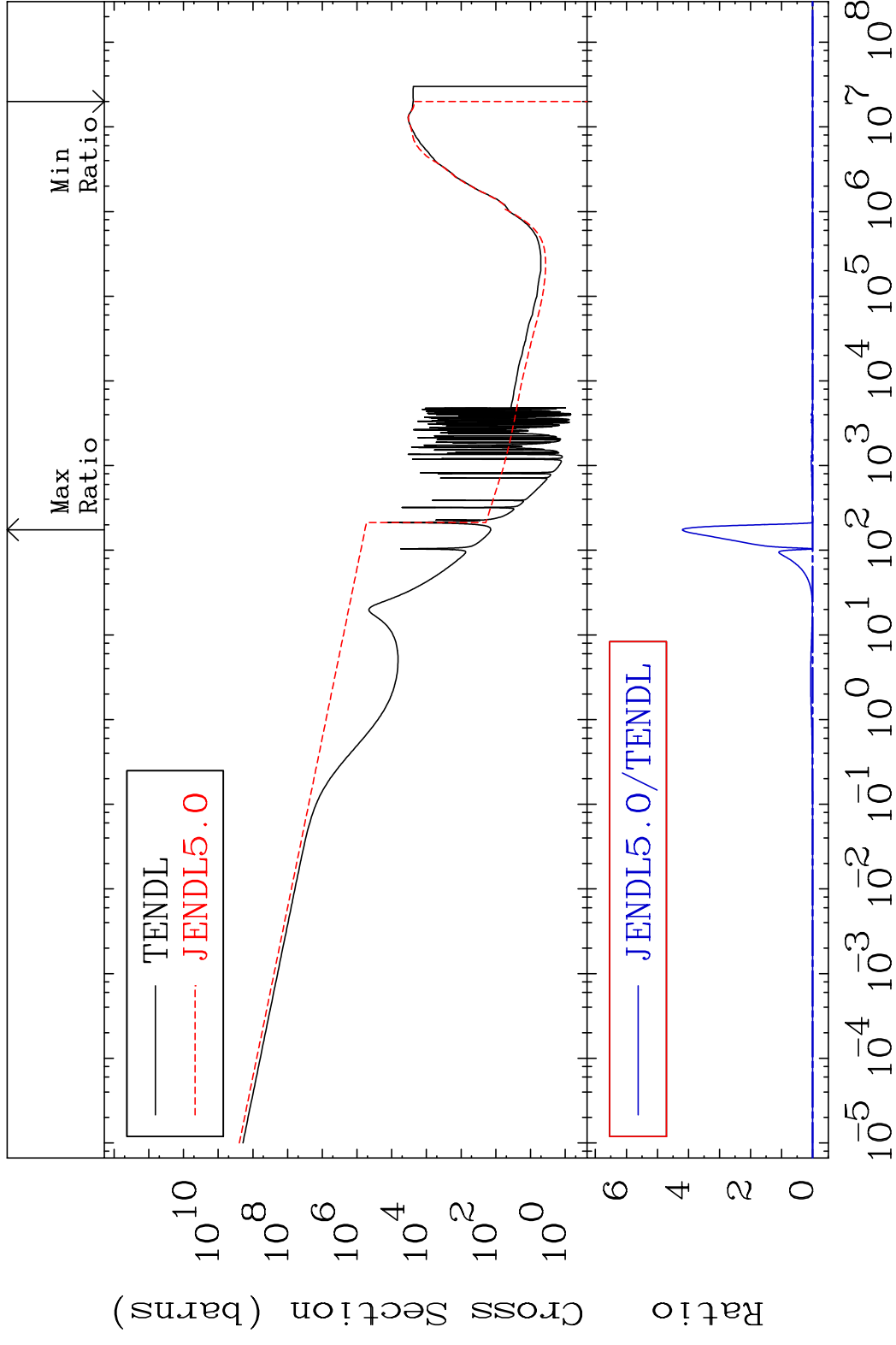


60

Incident Energy (eV)

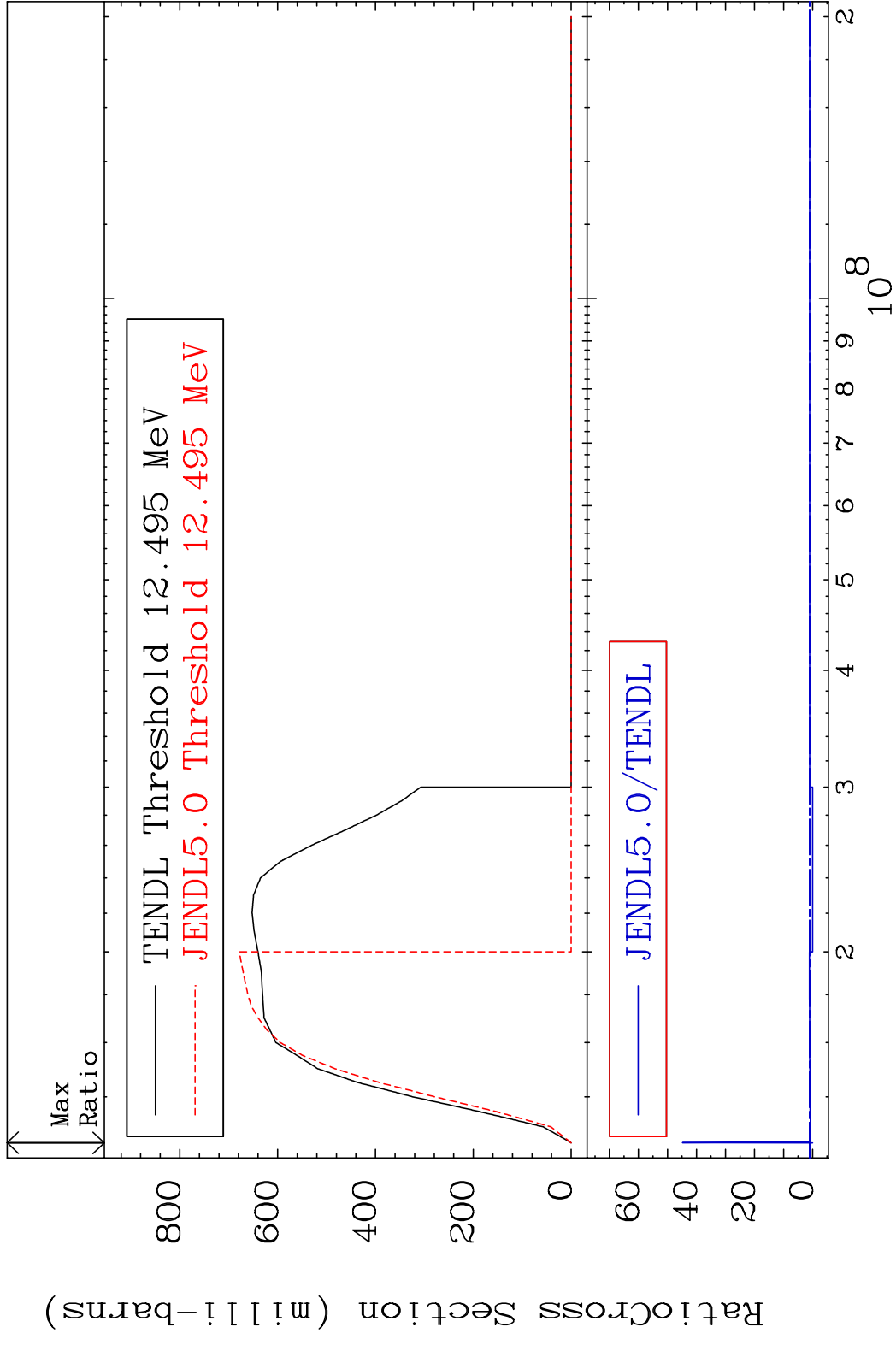
40-Zr-88

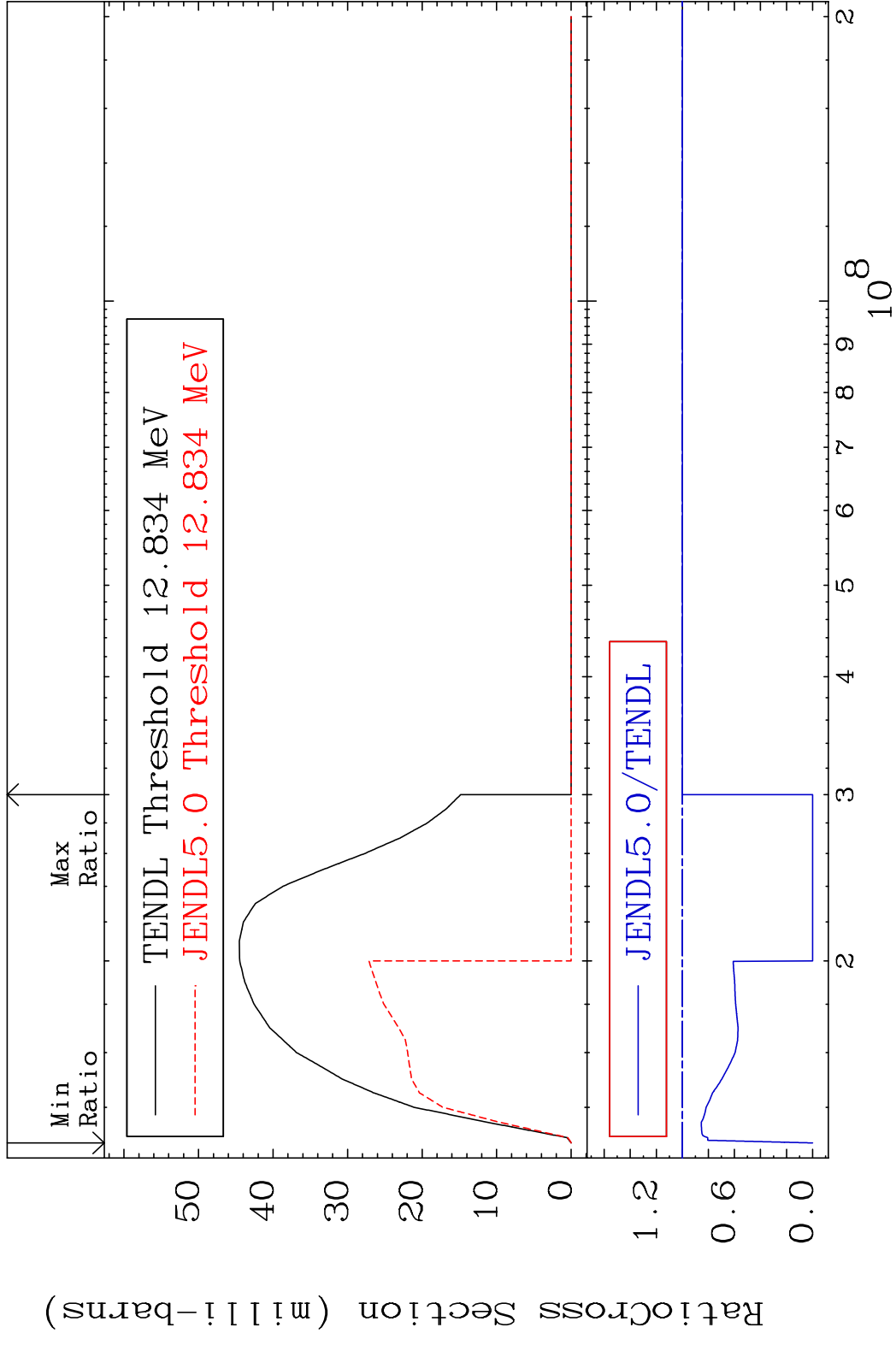
MAT 4019 Dpa disappearance (mt102 -120) 40-Zr-88
 Cross Section -100.0 To 9999. %



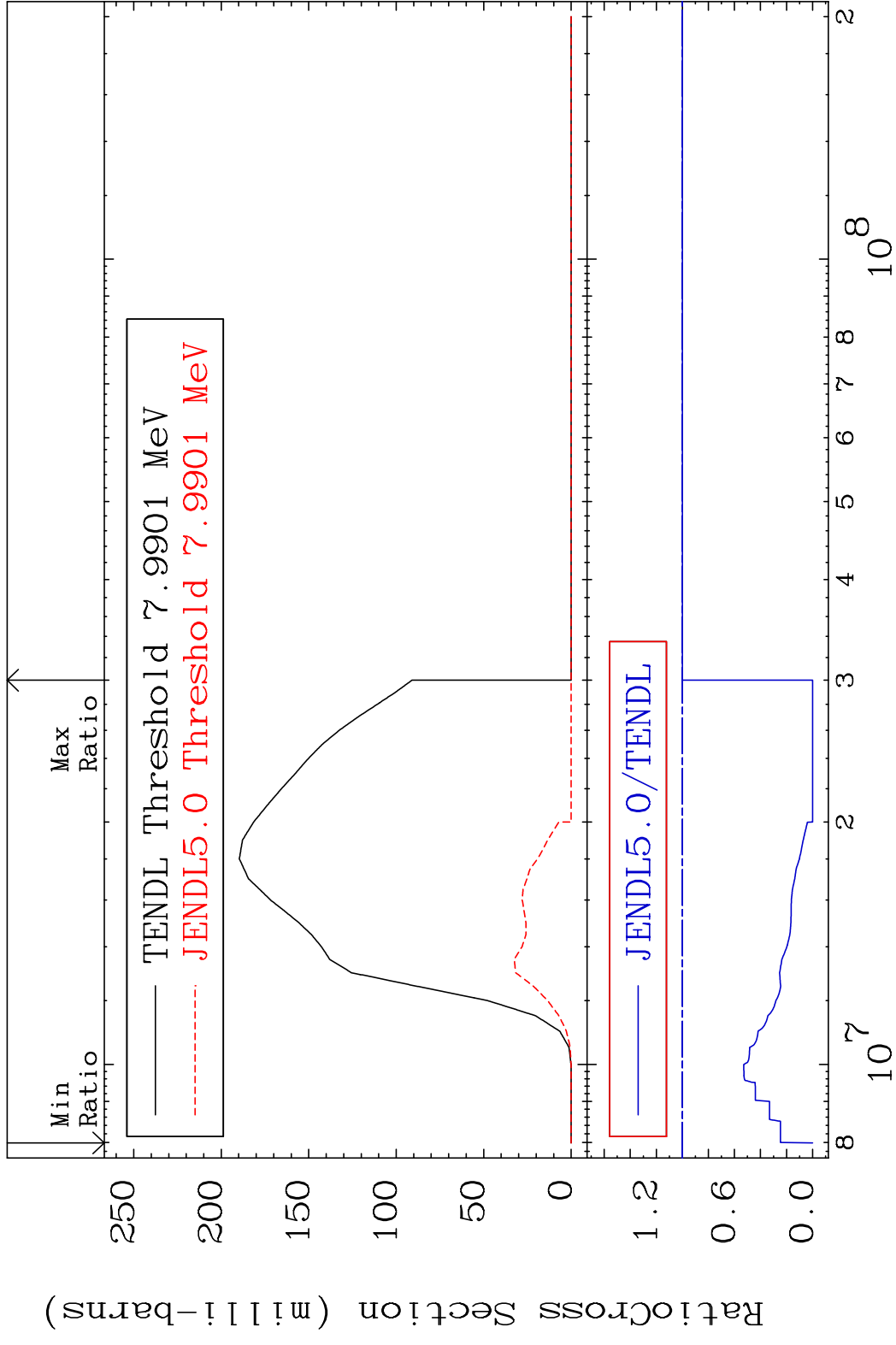
61 Incident Energy (eV) 40-Zr-88

MAT 4019 (n,2n):40-Zr-87g 40-Zr-88
 Radionuclide Production Cross Section Ratio 4387. %



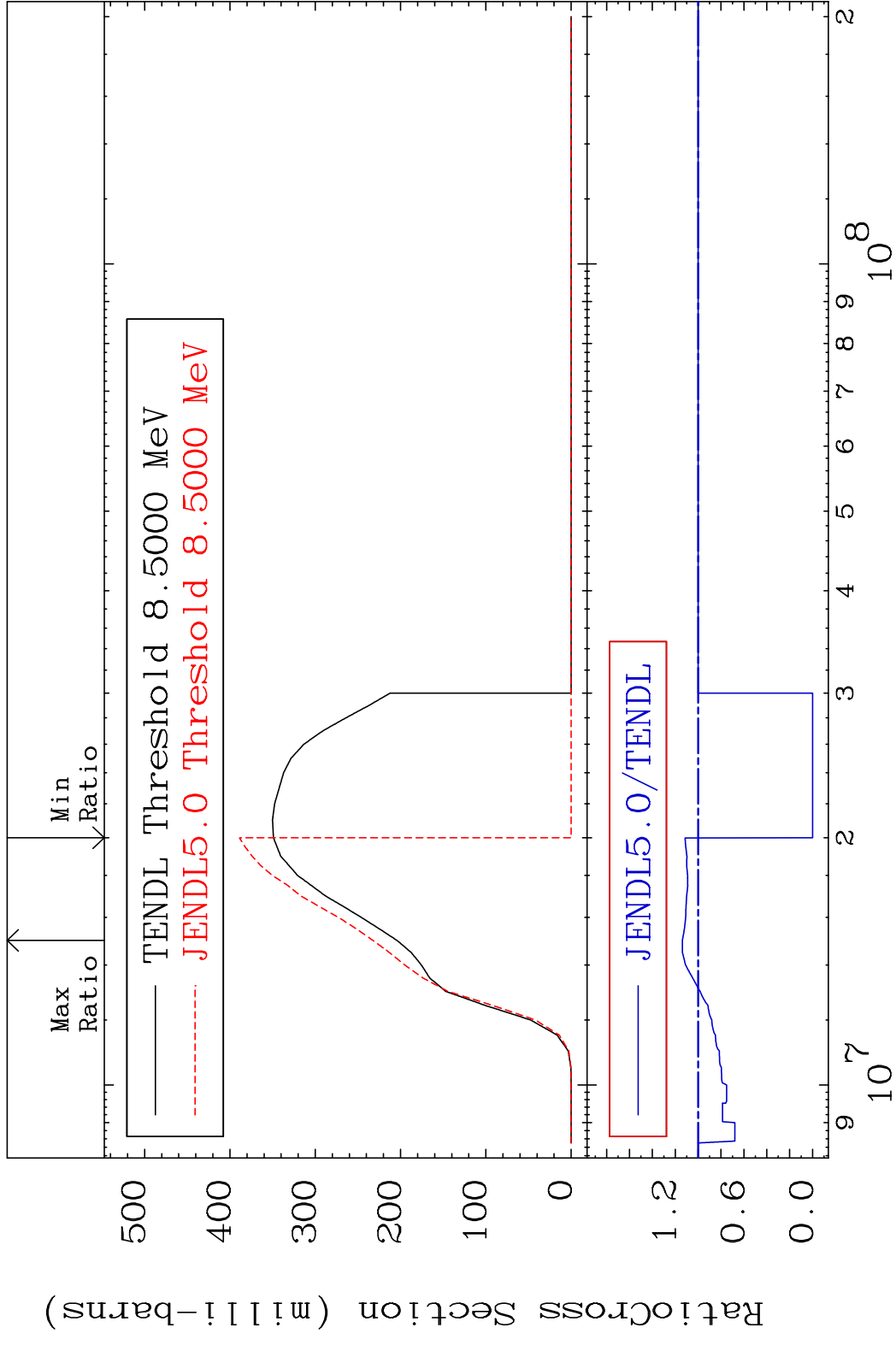


MAT 4019 (n, n') p:39-Y -87g 40-Zr-88
 Radionuclide Production Cross Section 180.01 dth 0.000 %

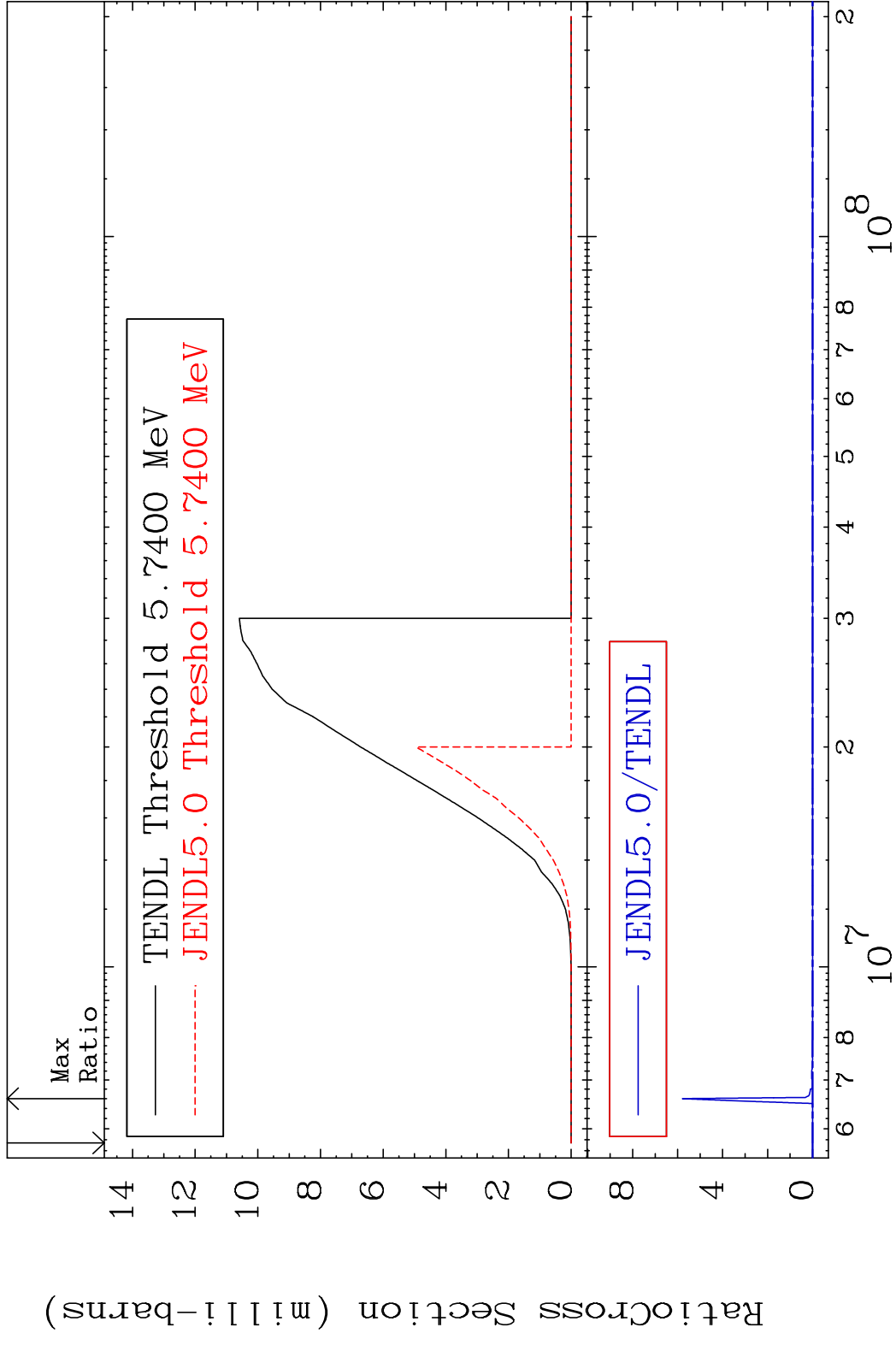


64 Incident Energy (eV) 40-Zr-88

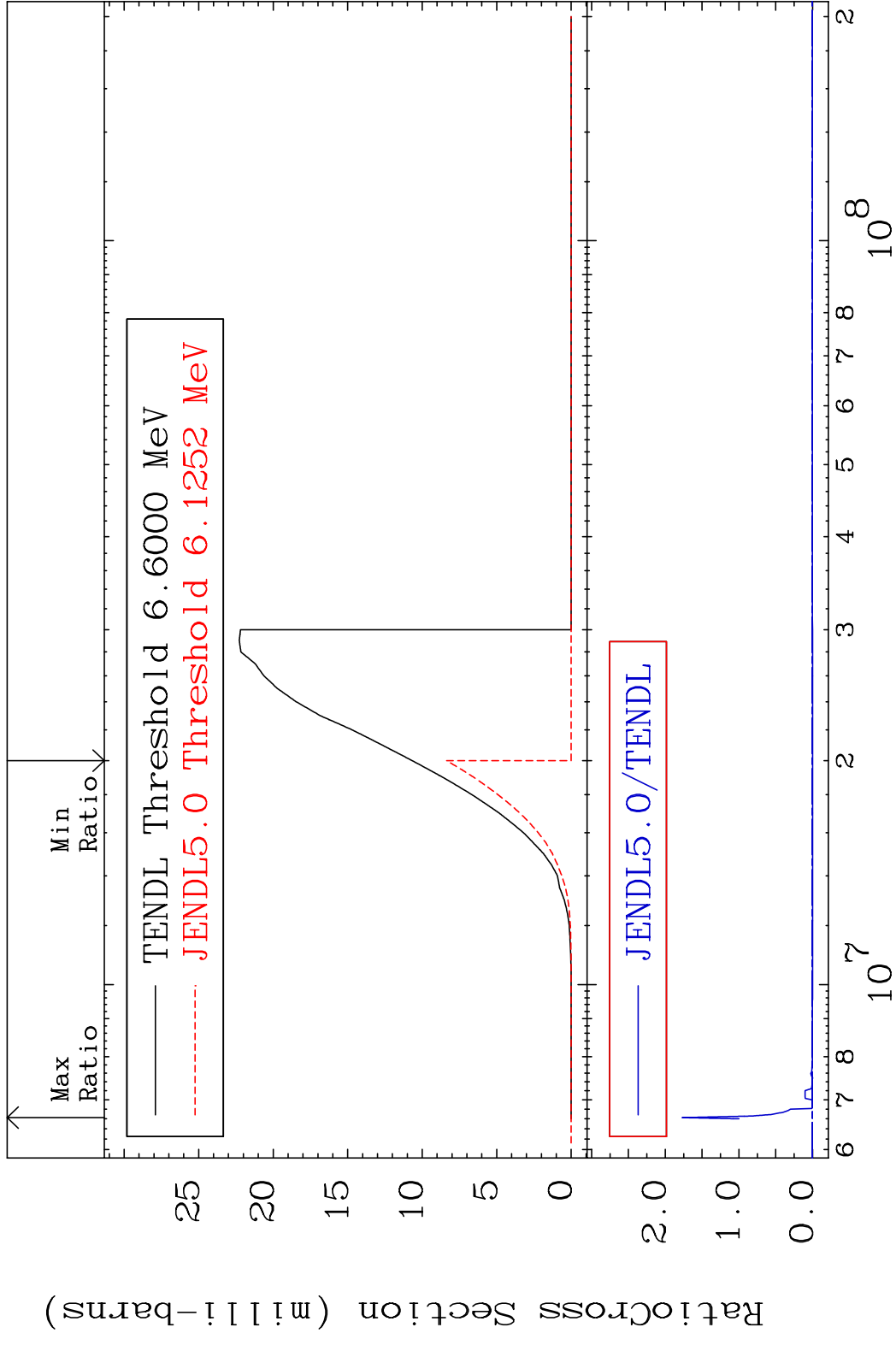
MAT 4019 (n, n') p:39-Y -87m1 40-Zr-88
 Radionuclide Production Cross Section 13.80 %



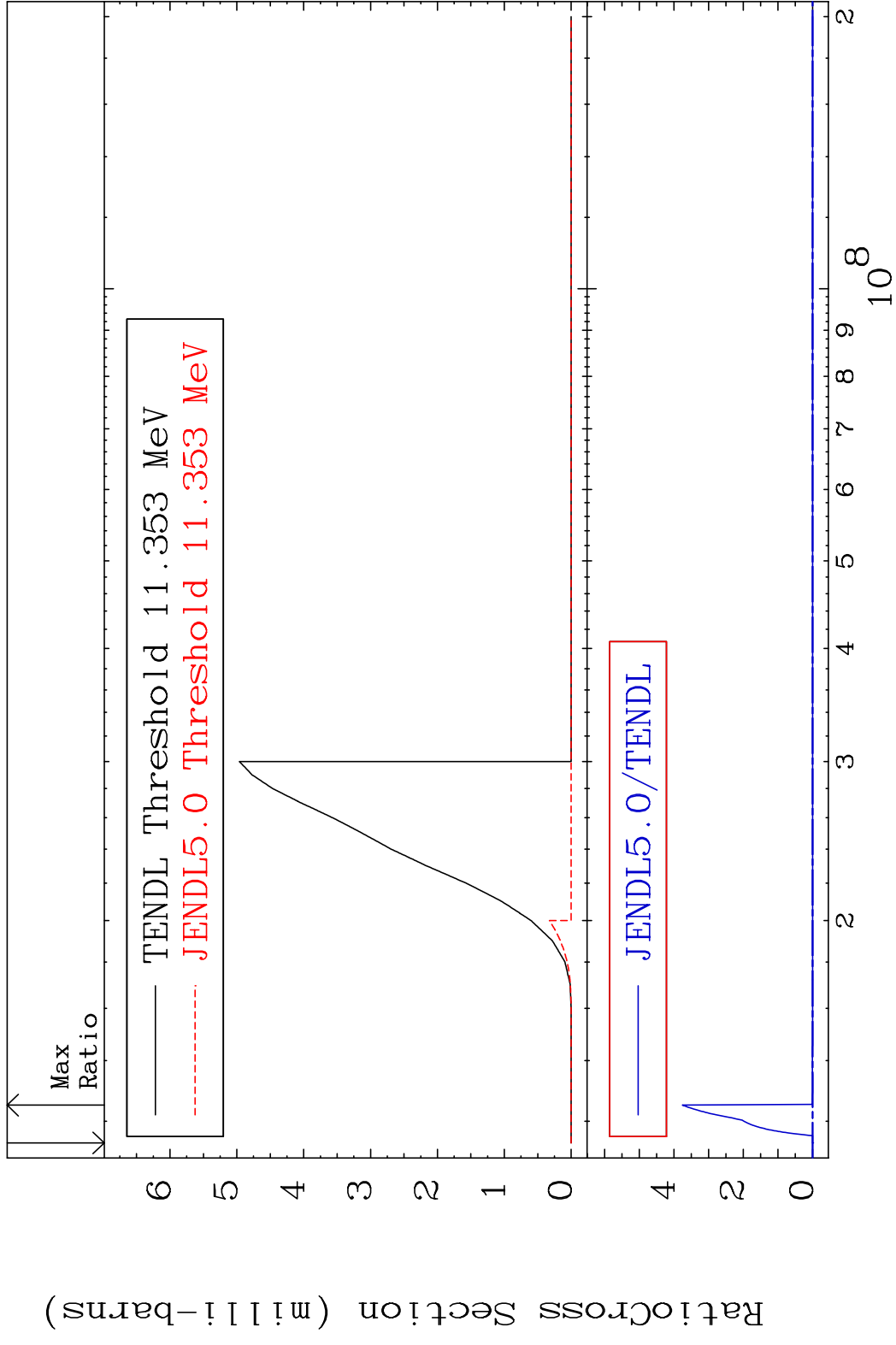
MAT 4019 (n,d):39-Y -87g 40-Zr-88
 Radionuclide Production Cross Section 100.00 dth 9999. %

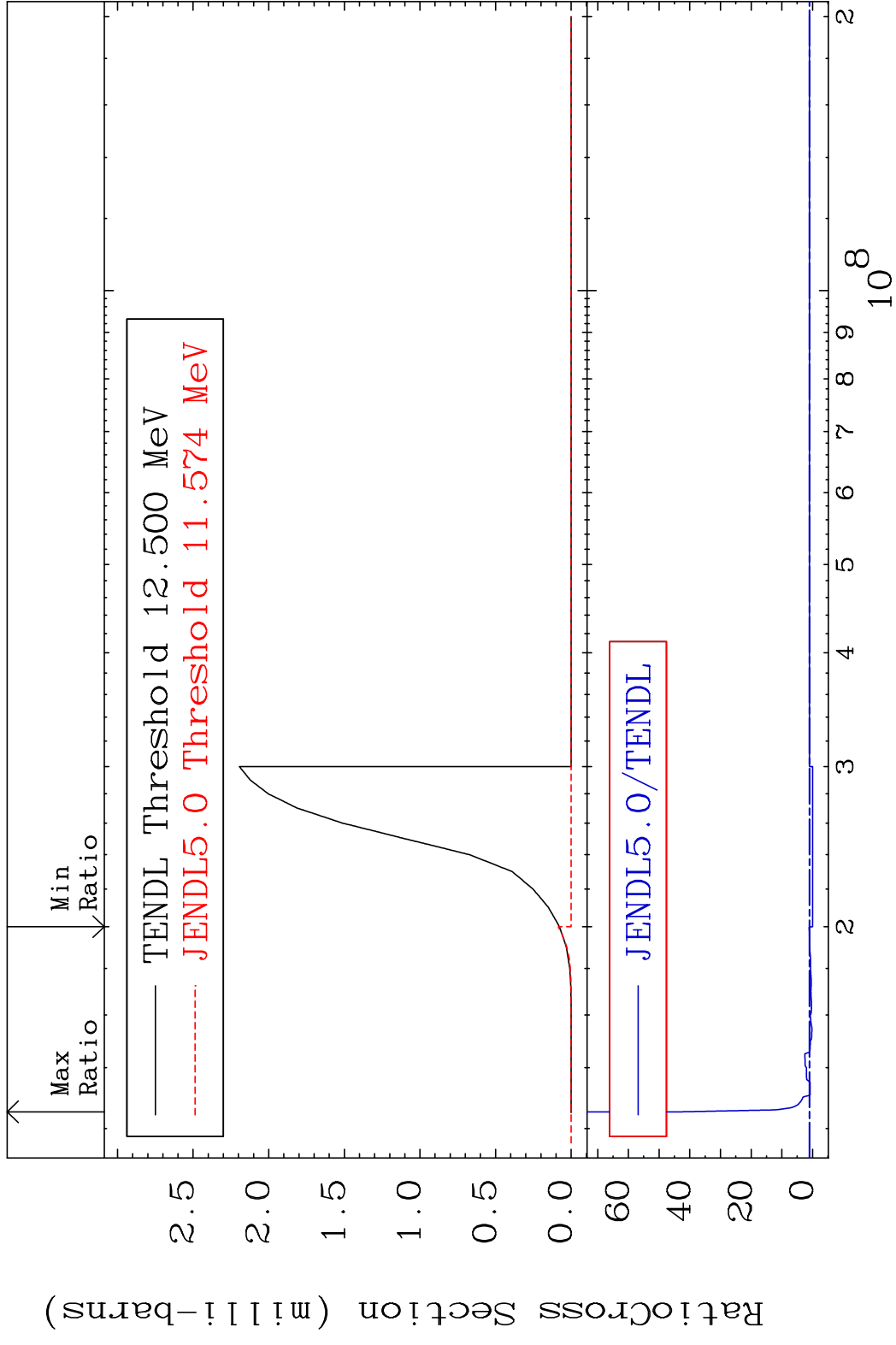


MAT 4019 (n,d):39-Y -87m1 40-Zr-88
 Radionuclide Production Cross Section to 9999. %

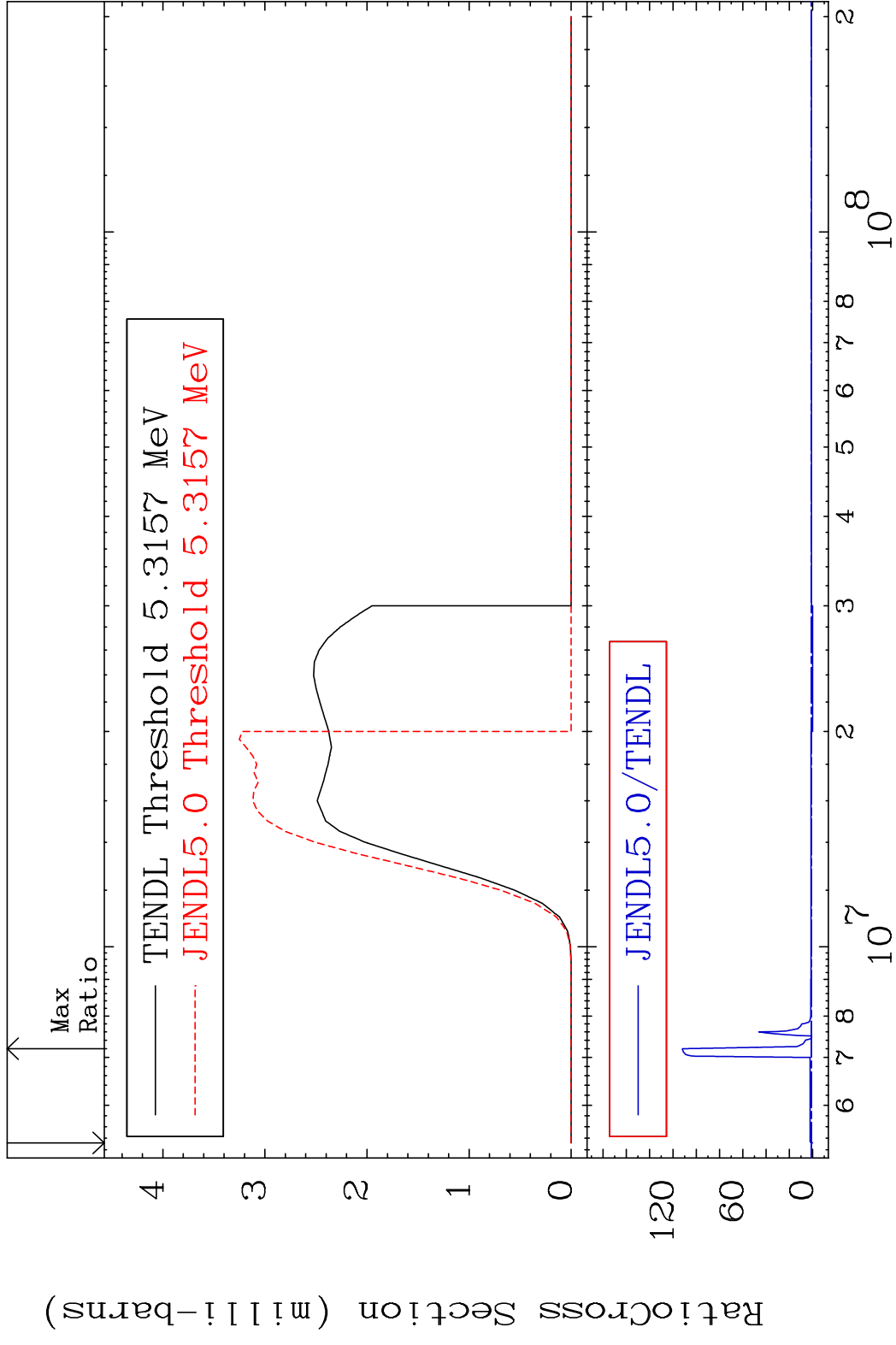


67 40-Zr-88

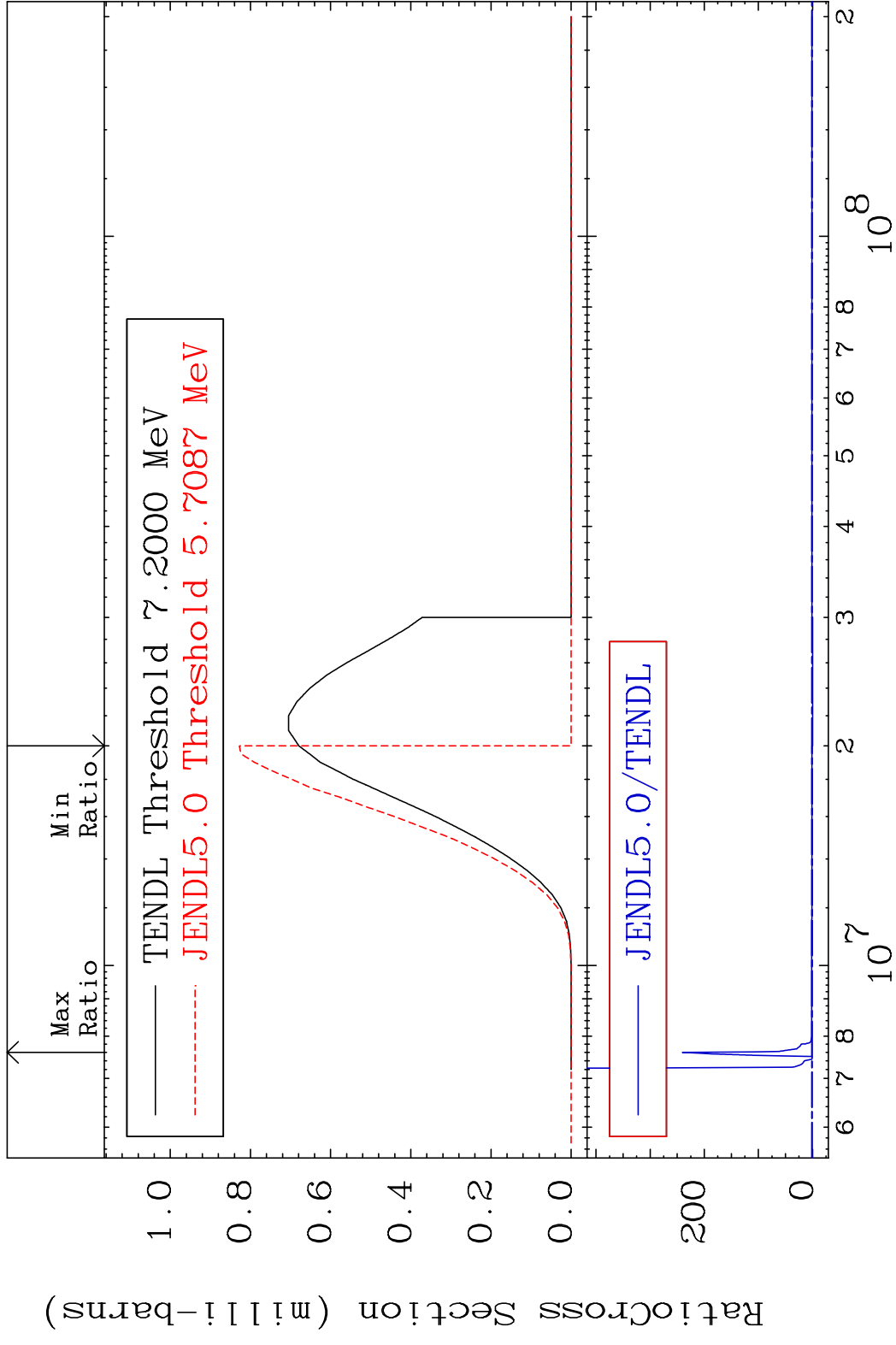


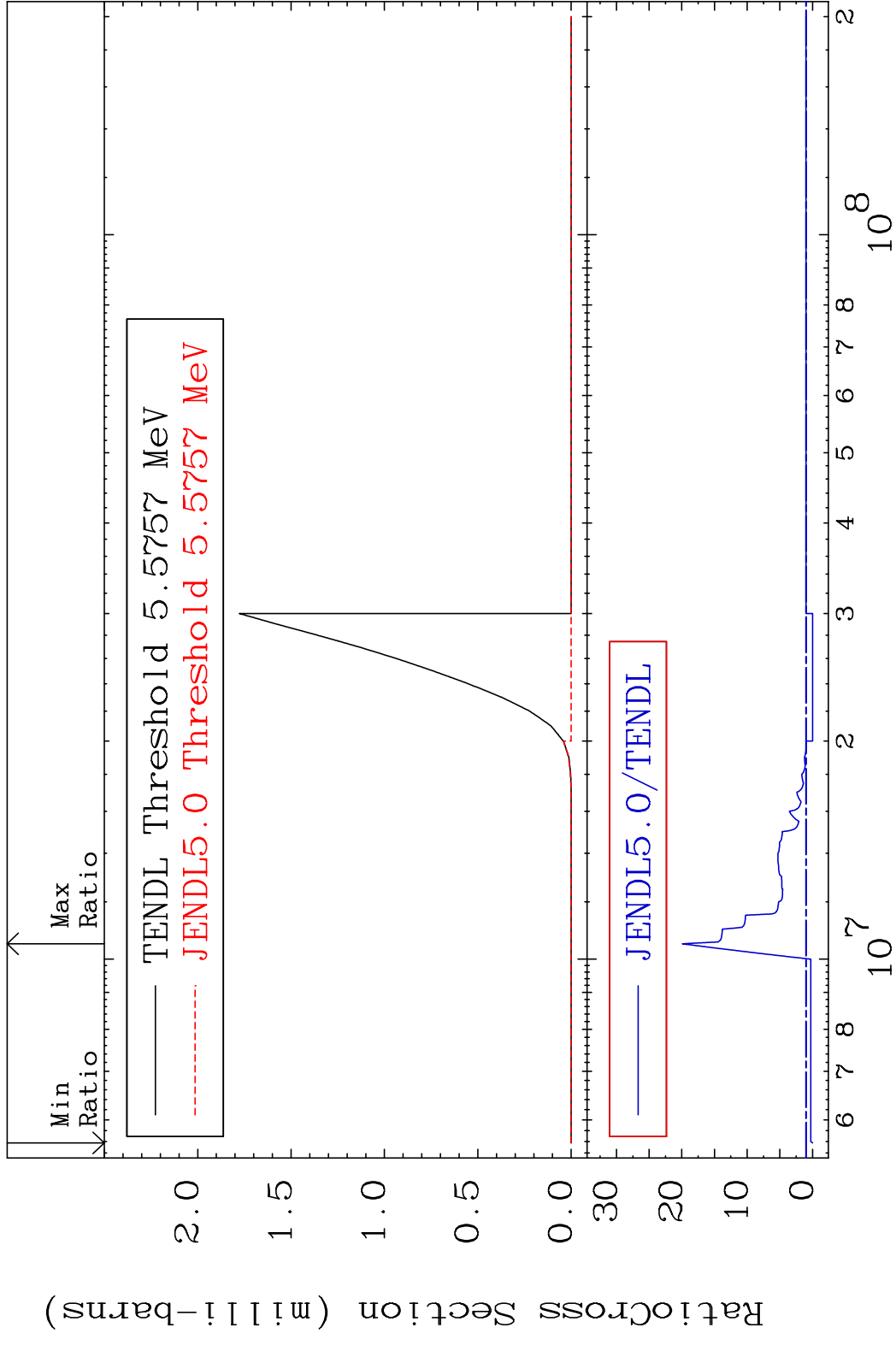


MAT 4019 (n,2p):38-Sr-87g 40-Zr-88
 Radionuclide Production Cross Section Ratio 9999. %

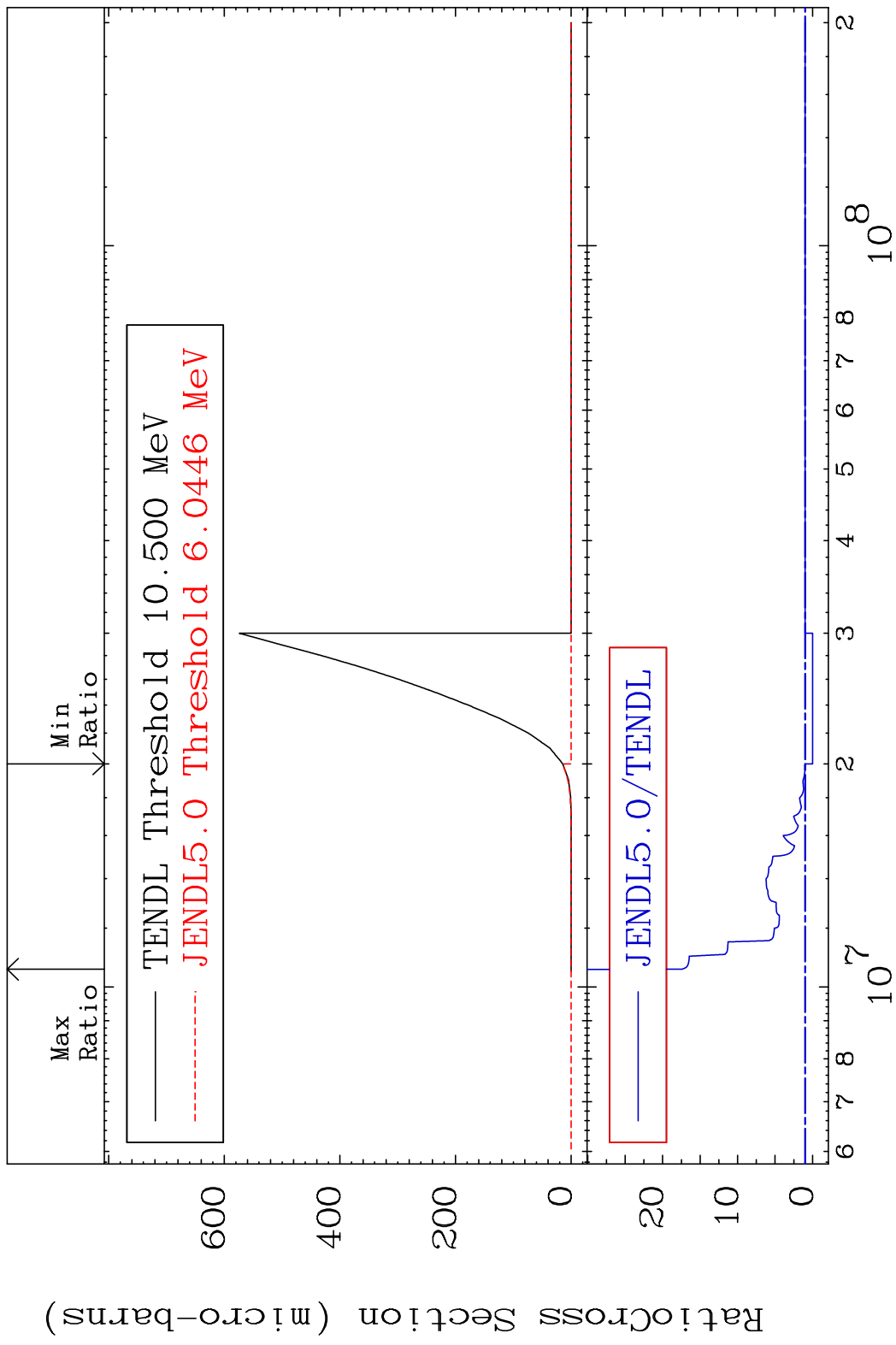


70 Incident Energy (eV) 40-Zr-88

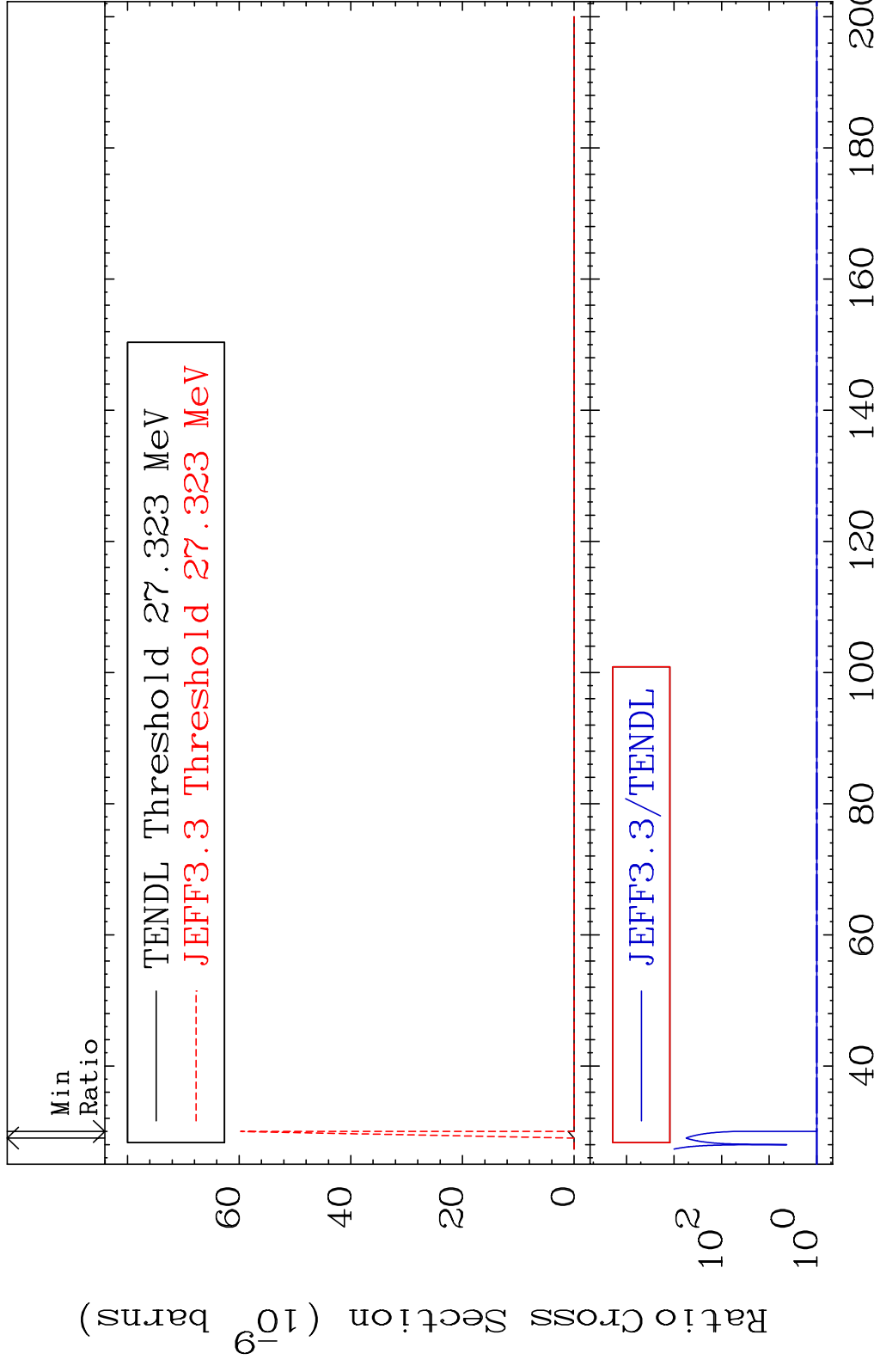




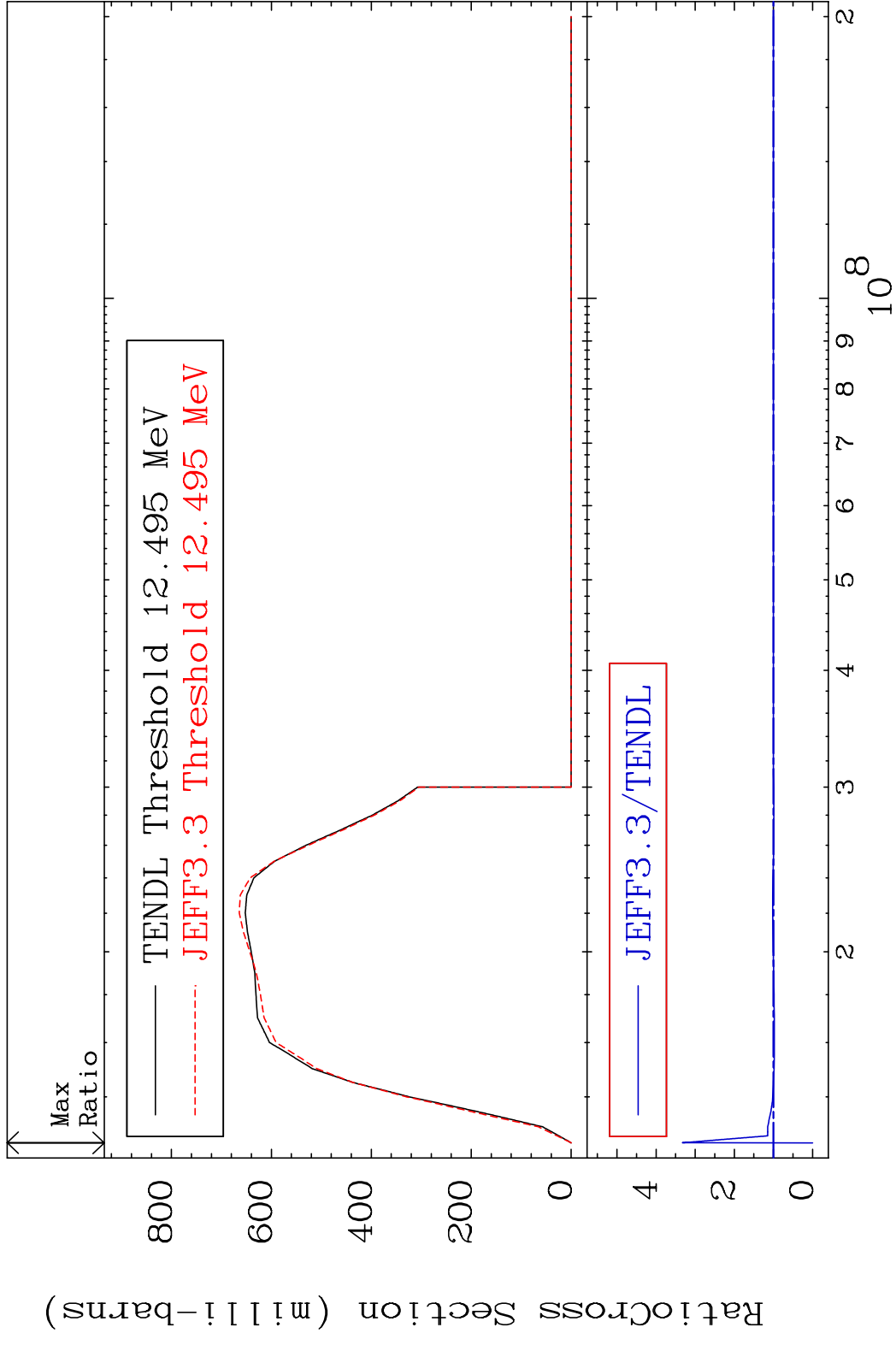
MAT 4019 (n, p) α :37-Rb-84m2 40-Zr-88
 Radionuclide Production Cross Section Ratio 1637. %



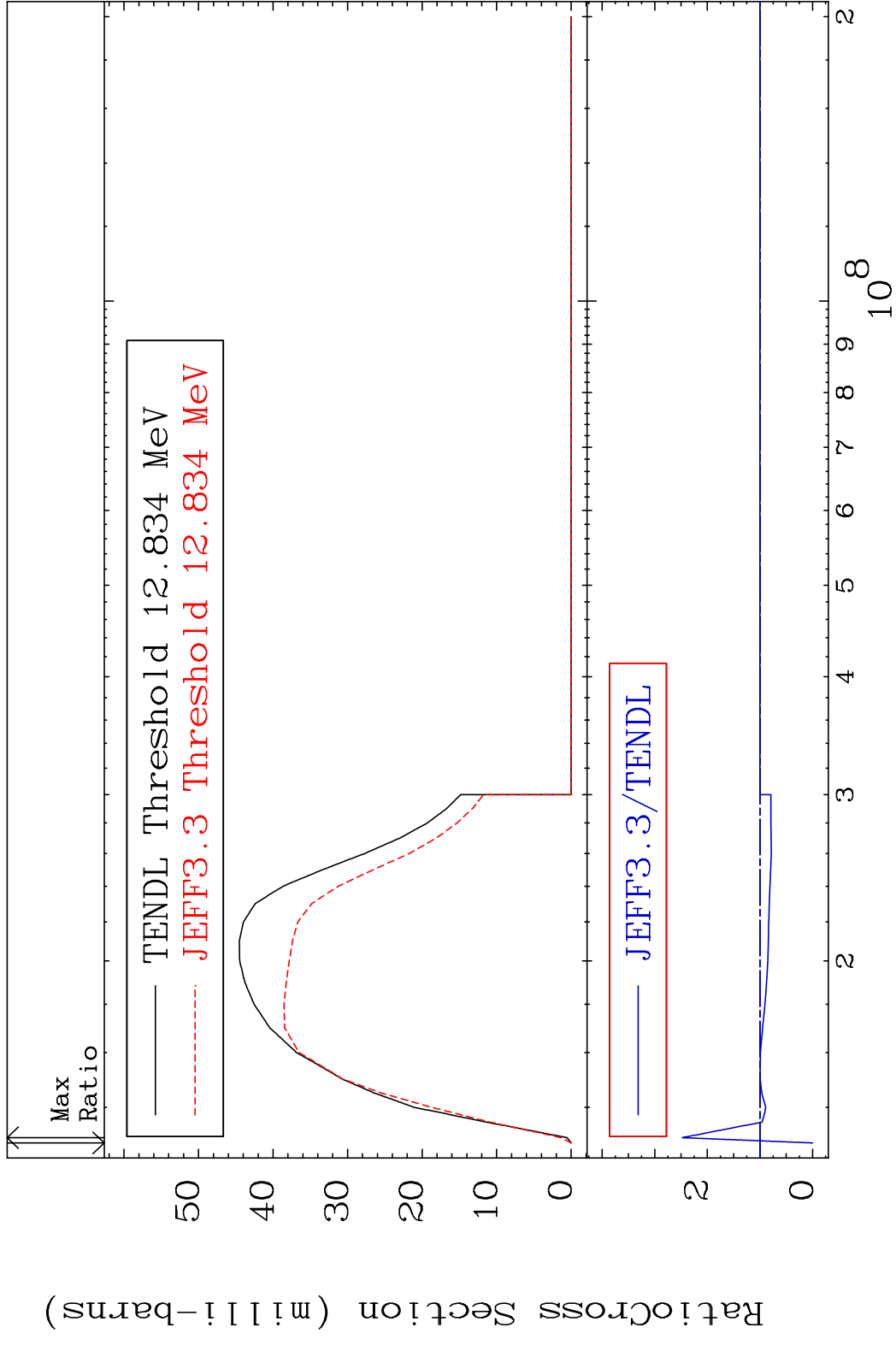
MAT 4019 (n,2n) d:39-Y -85m1 40-Zr-88
 Radionuclide Production Cross Section 9999. %



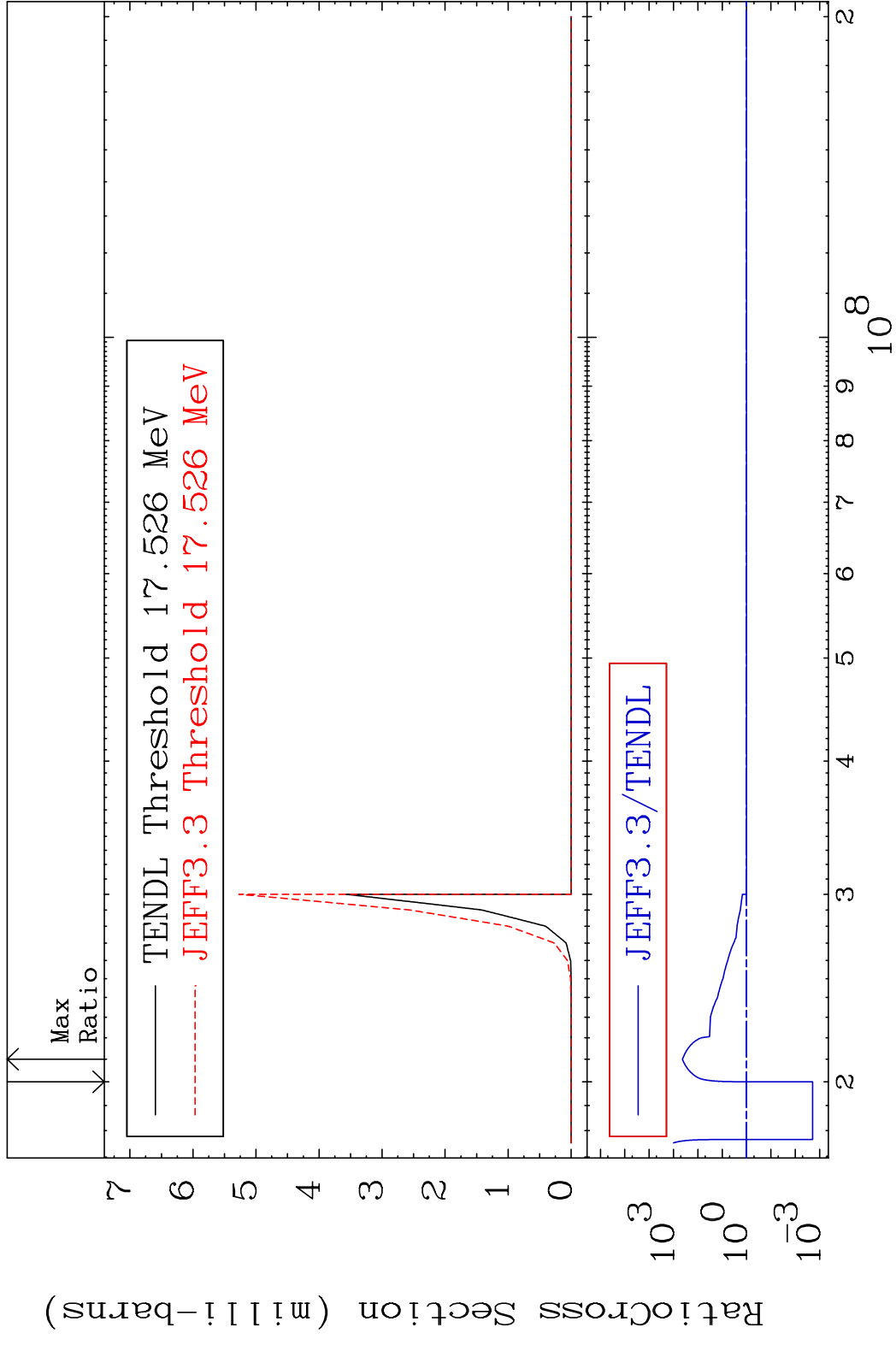
MAT 4019 (n,2n):40-Zr-87g 40-Zr-88
 Radionuclide Production Cross Section Ratio 232.8 %

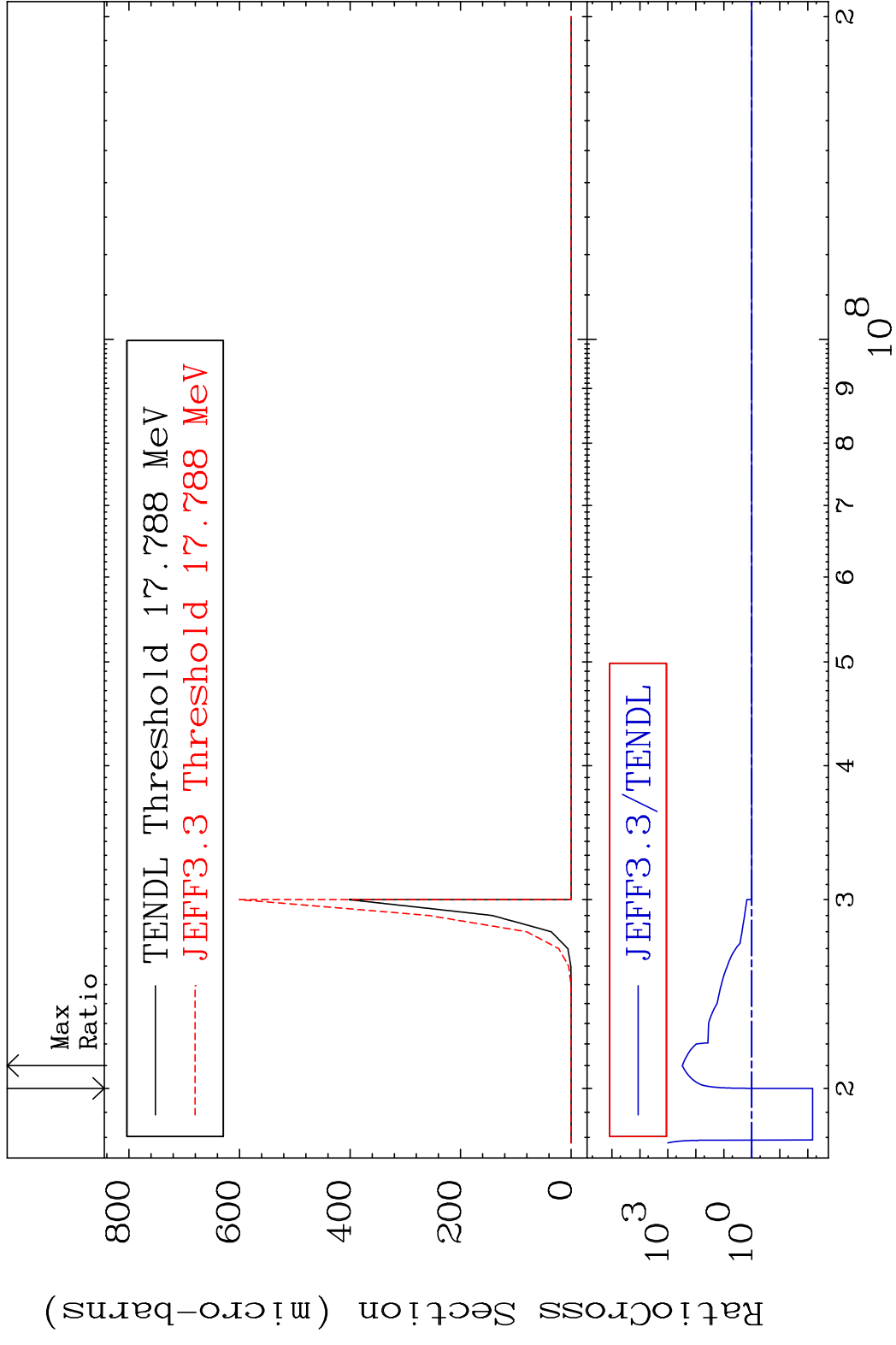


MAT 4019 (n,2n):40-Zr-87m2 40-Zr-88
 Radionuclide Production Cross Section 180.01 dno 147.5 %

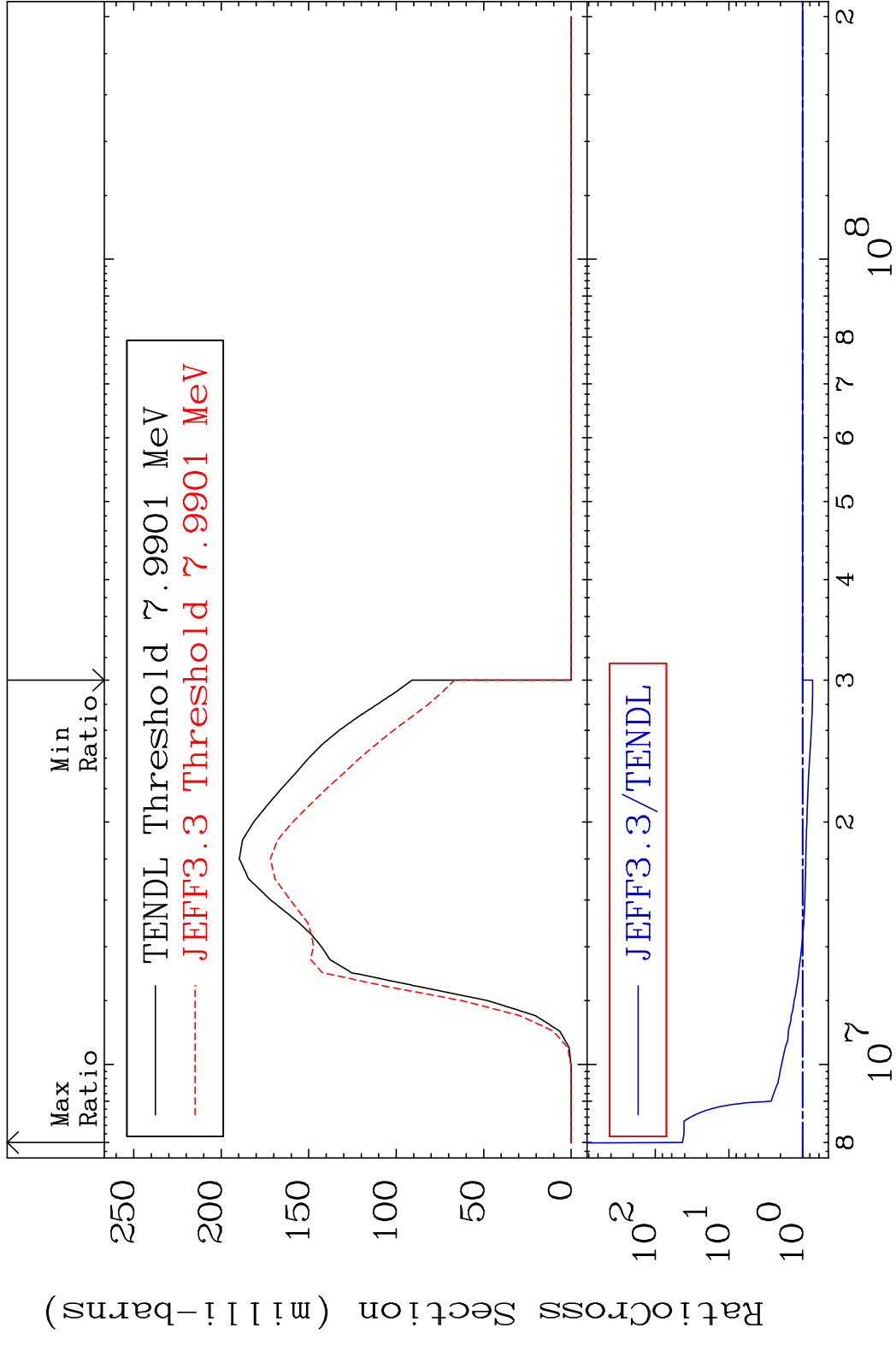


MAT 4019 (n,2n) α :38-Sr-83g 40-Zr-88
 Radionuclide Production Cross Section to 9999. %



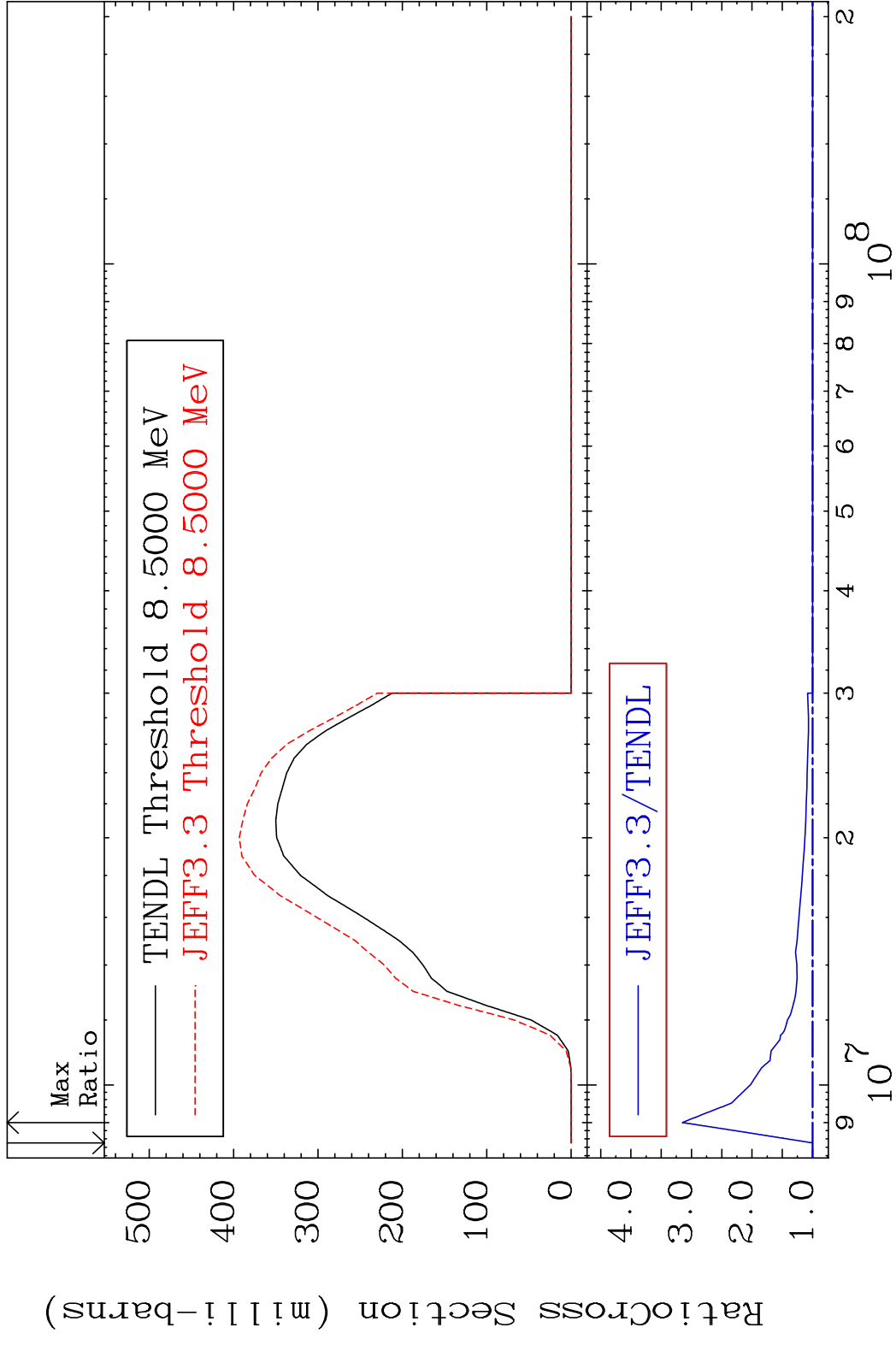


MAT 4019 (n, n') p:39-Y -87g 40-Zr-88
 Radionuclide Production Cross Section 4190. %

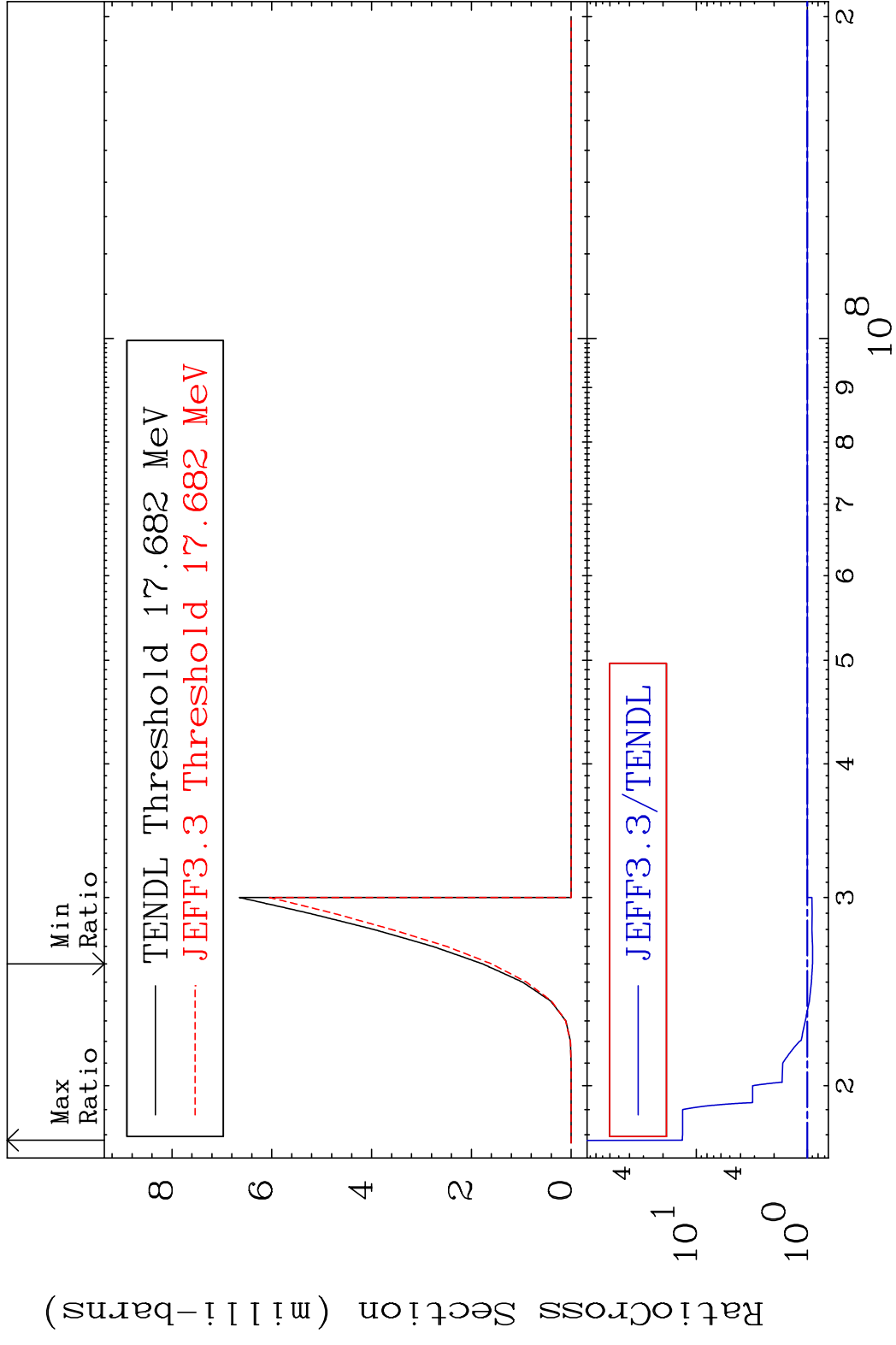


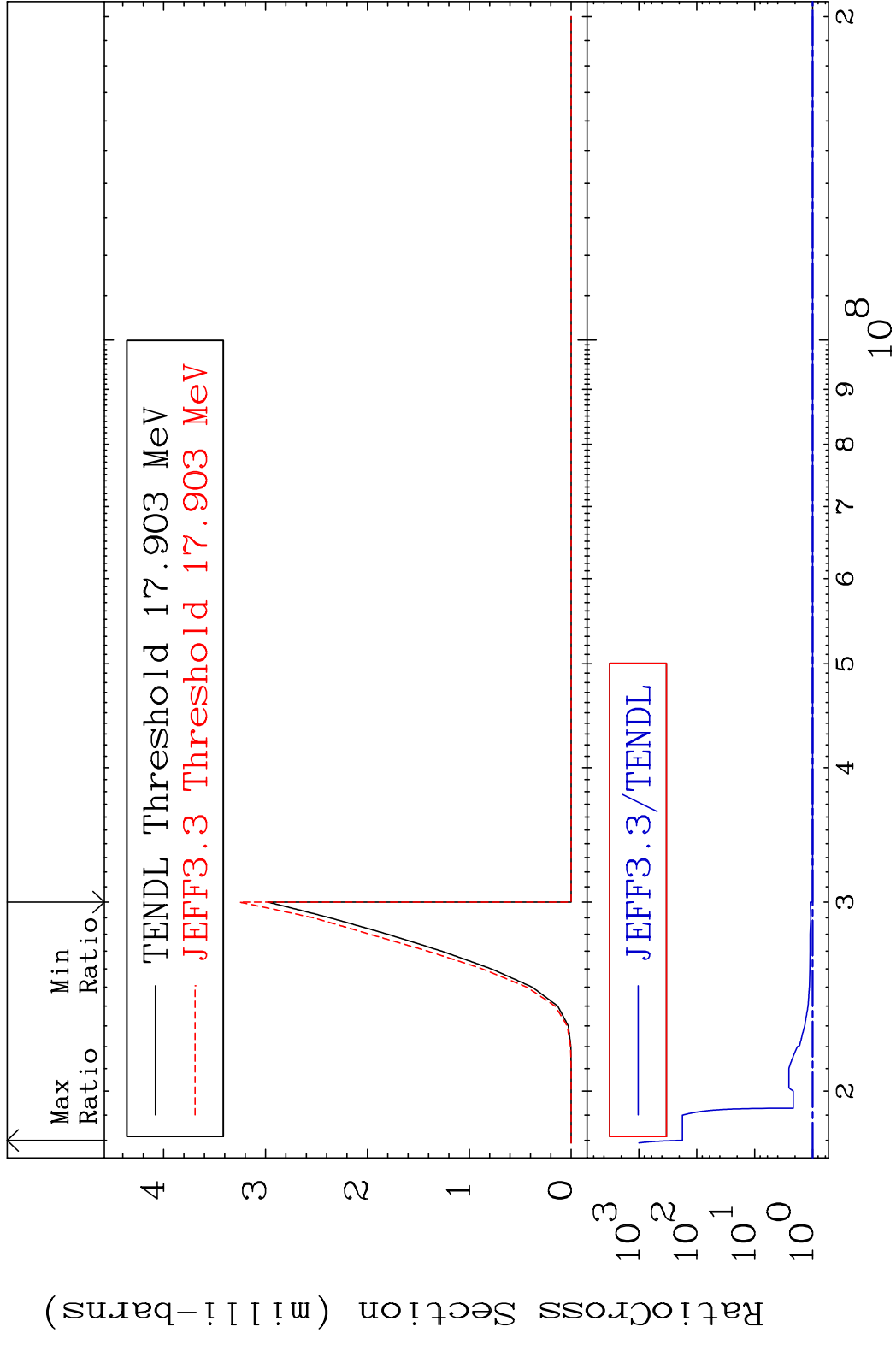
79 Incident Energy (eV) 40-Zr-88

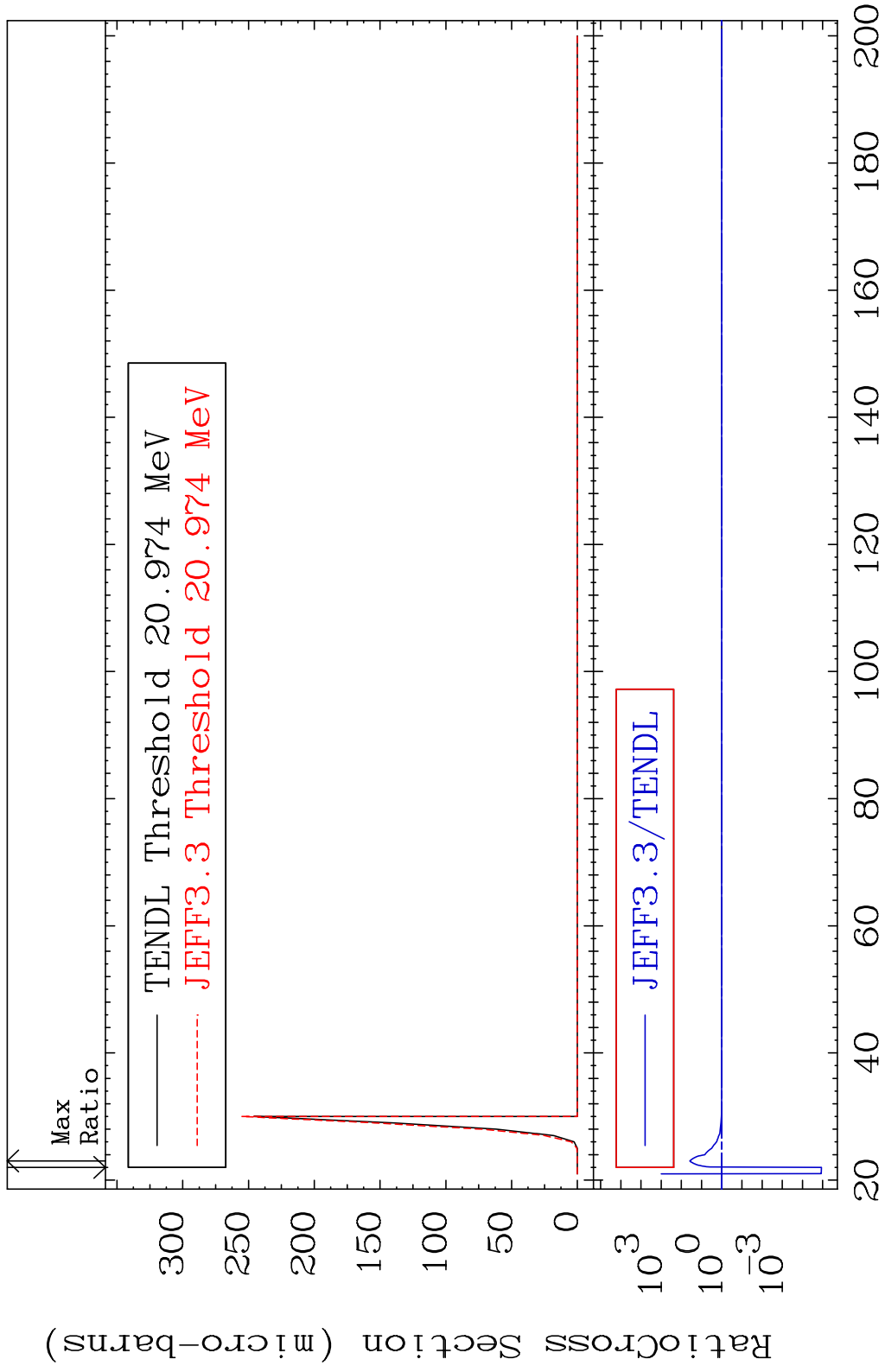
MAT 4019 (n, n') p:39-Y -87m1 40-Zr-88
 Radionuclide Production Cross Section 215.1 %

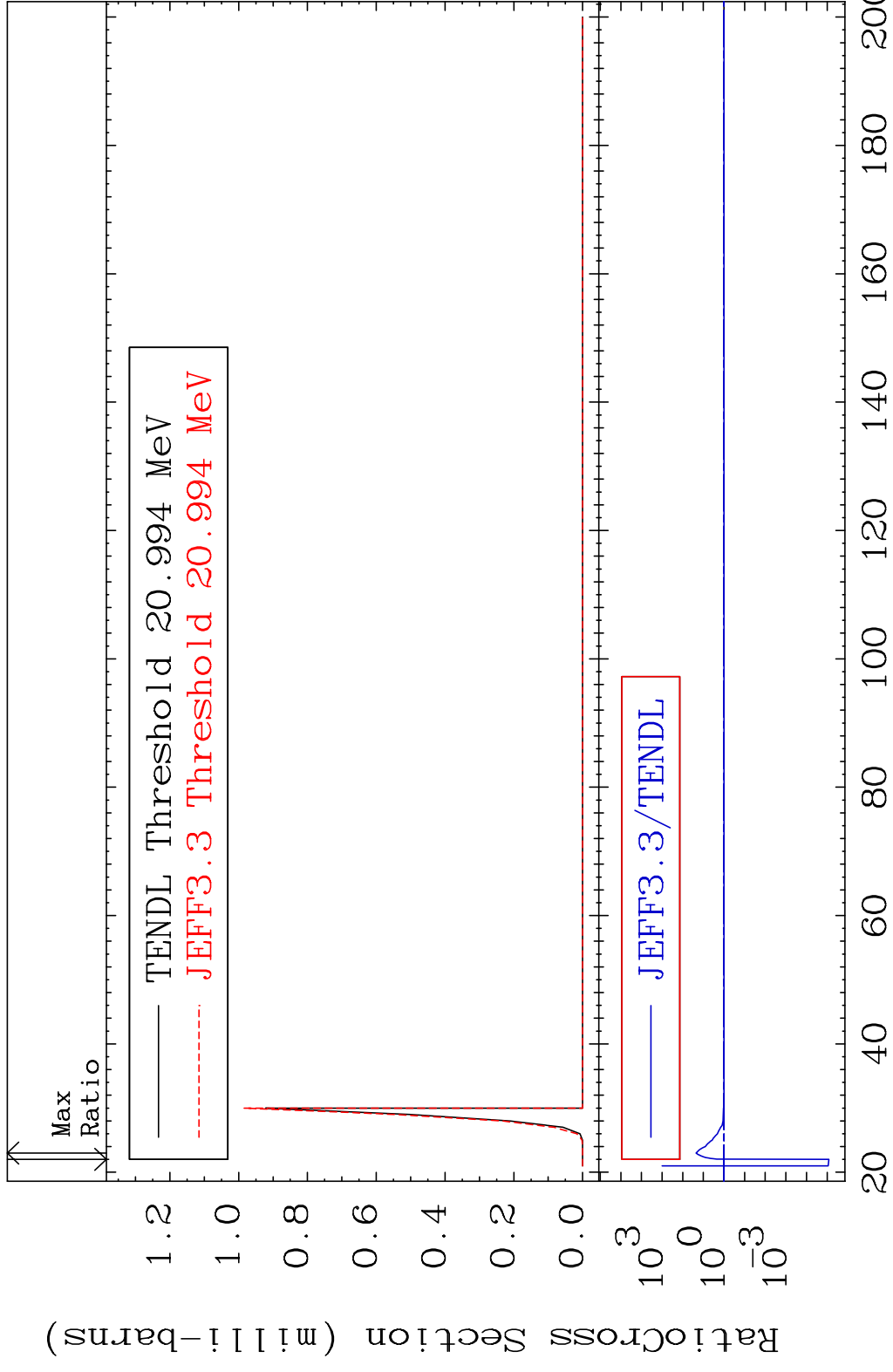


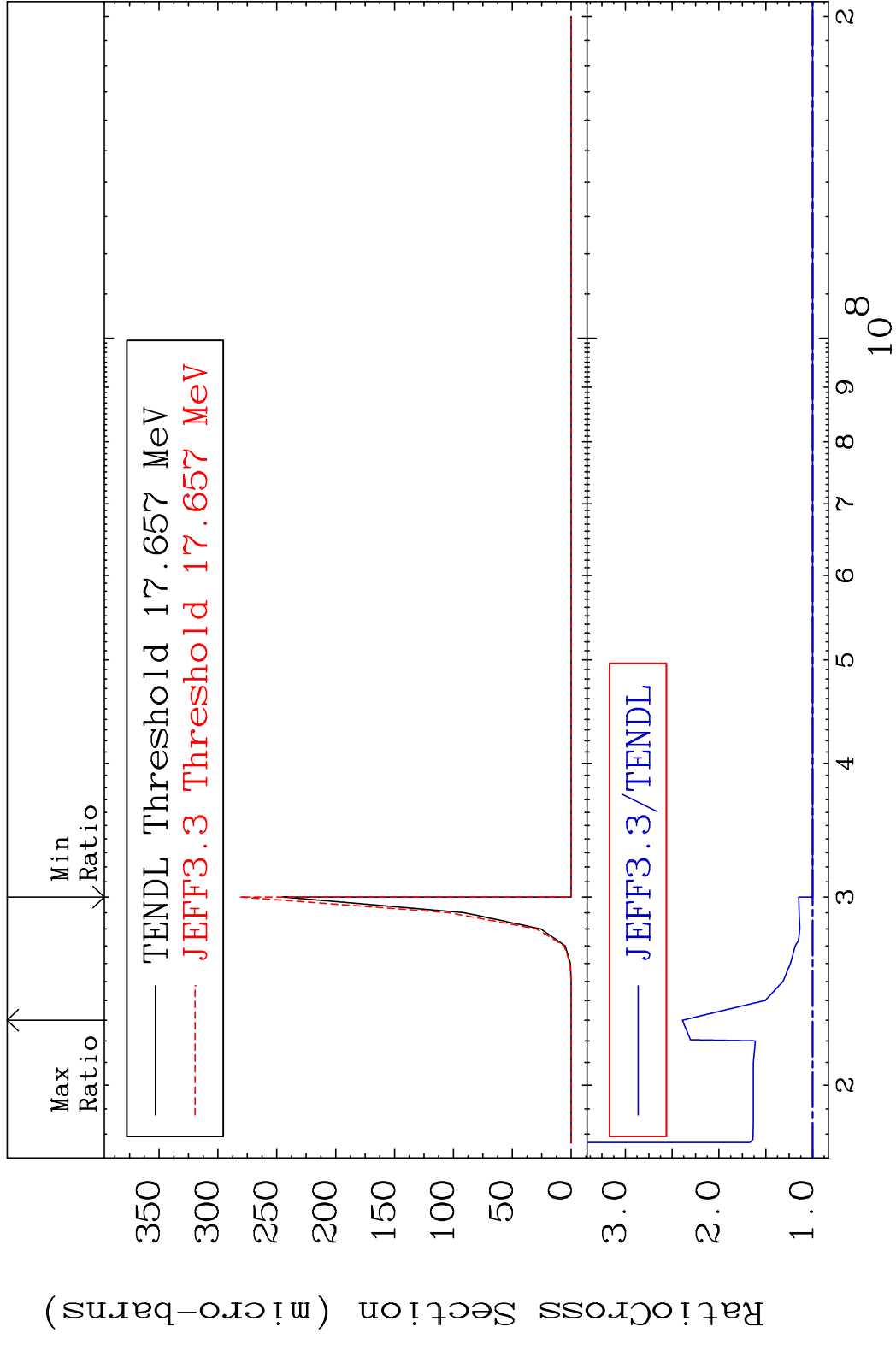
80 40-Zr-88

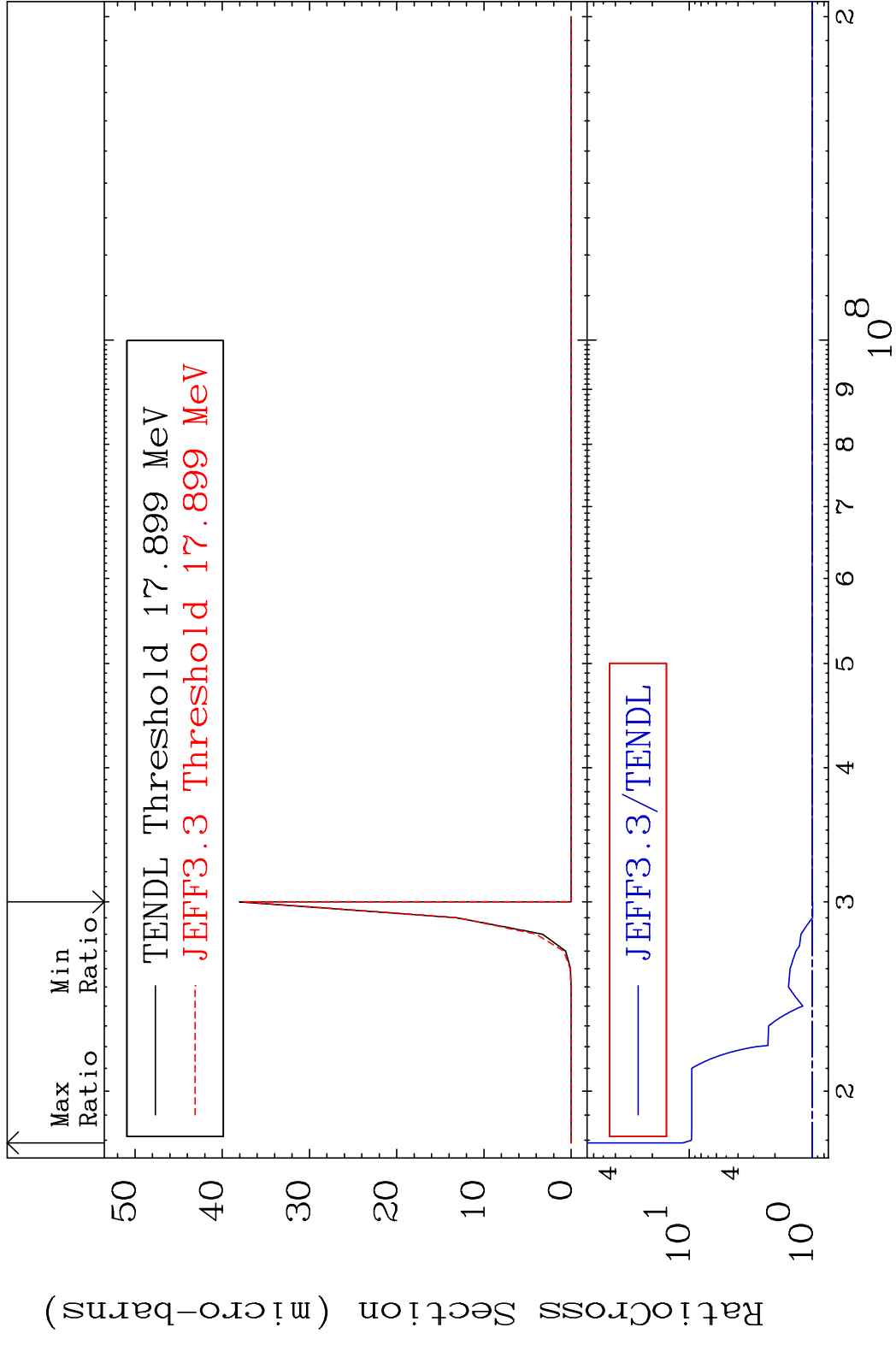


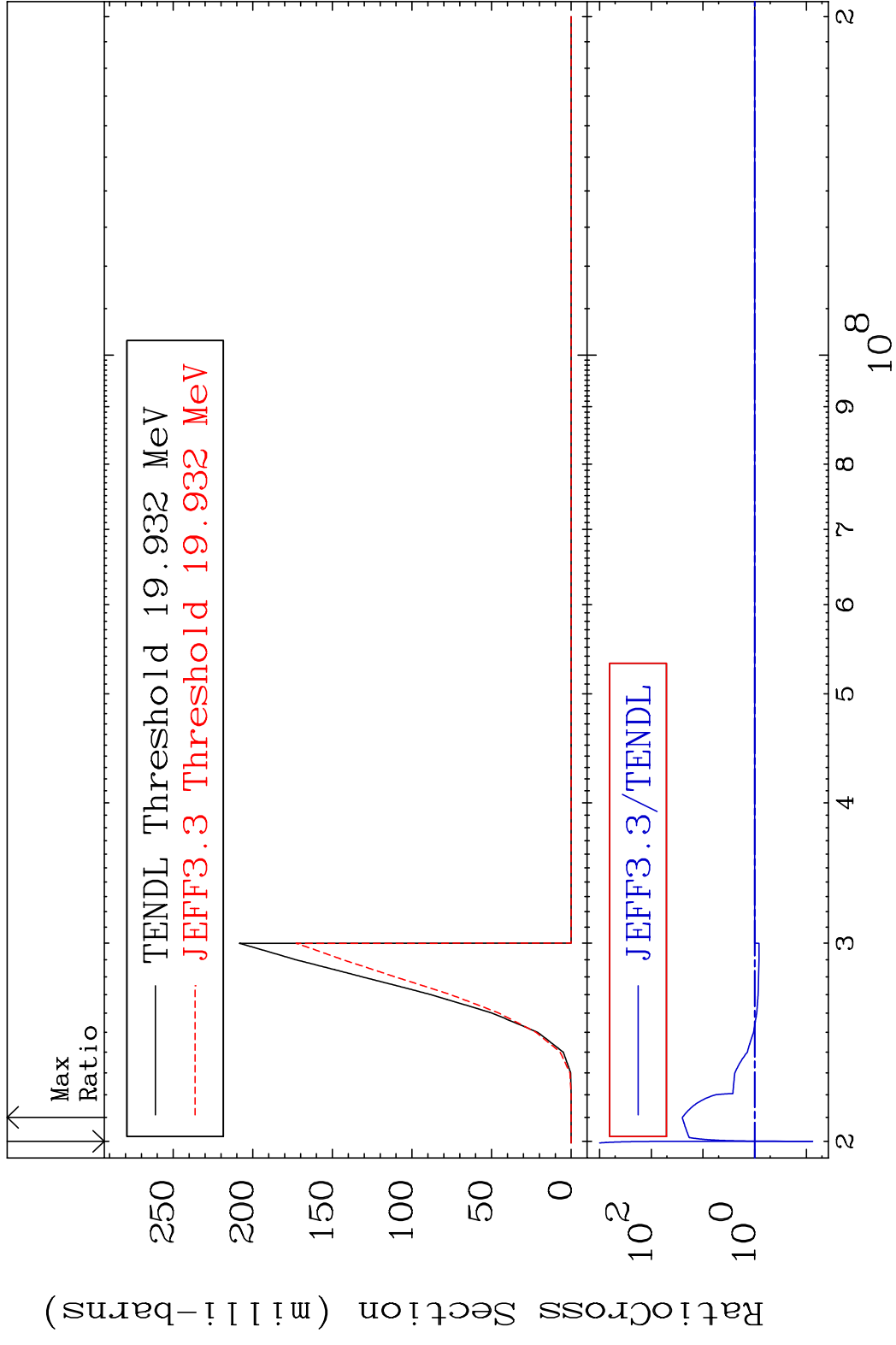


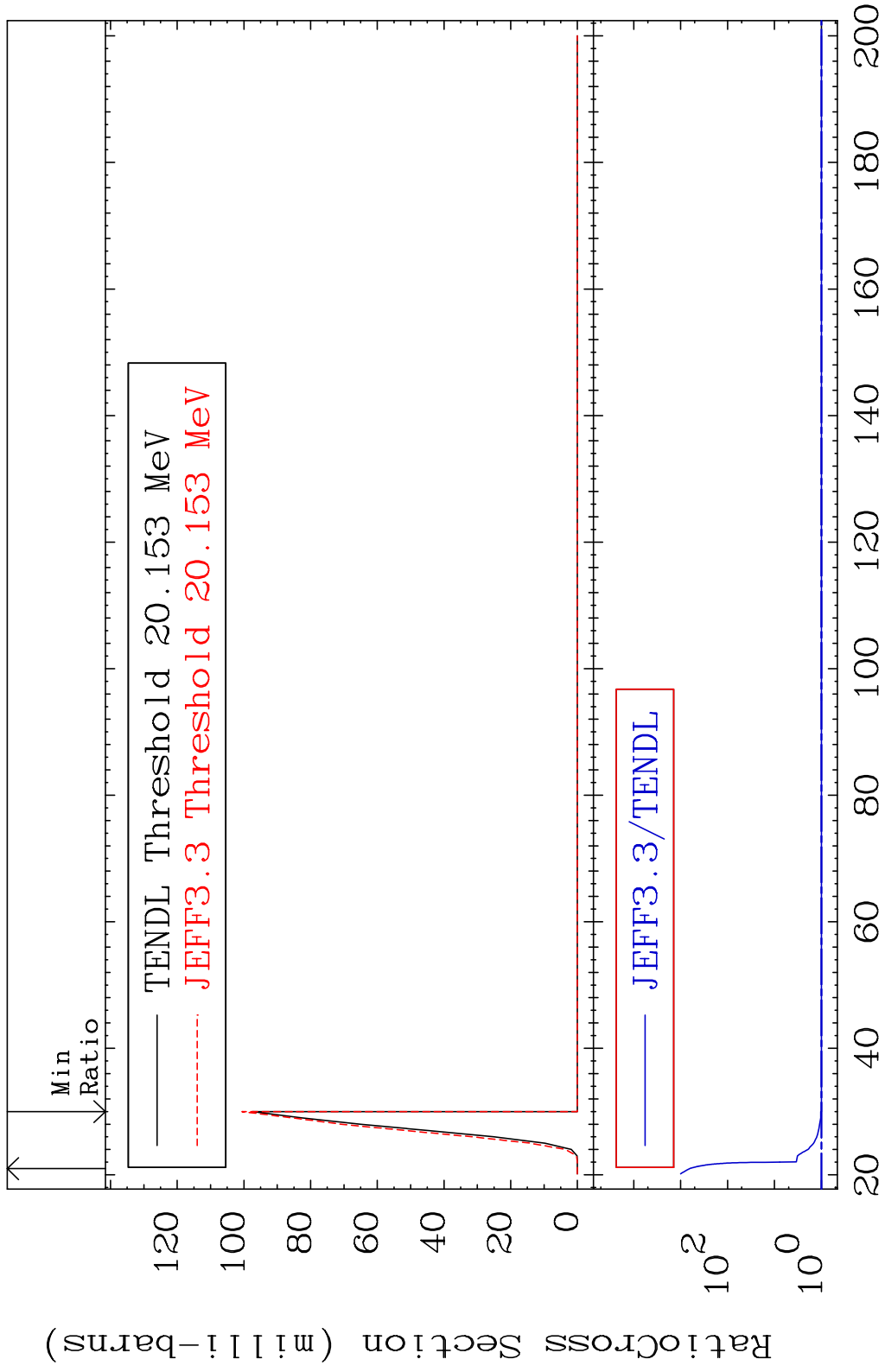




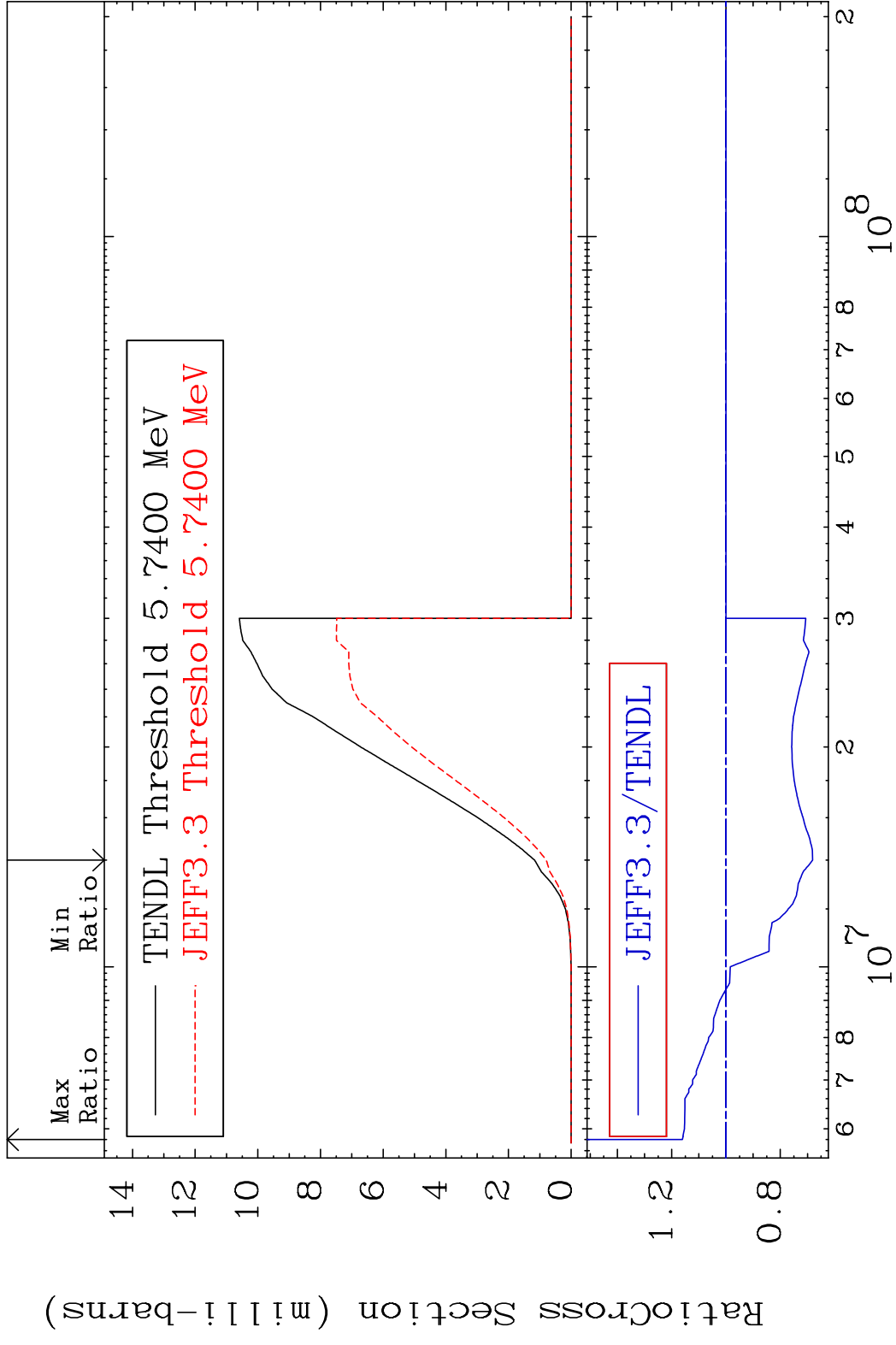




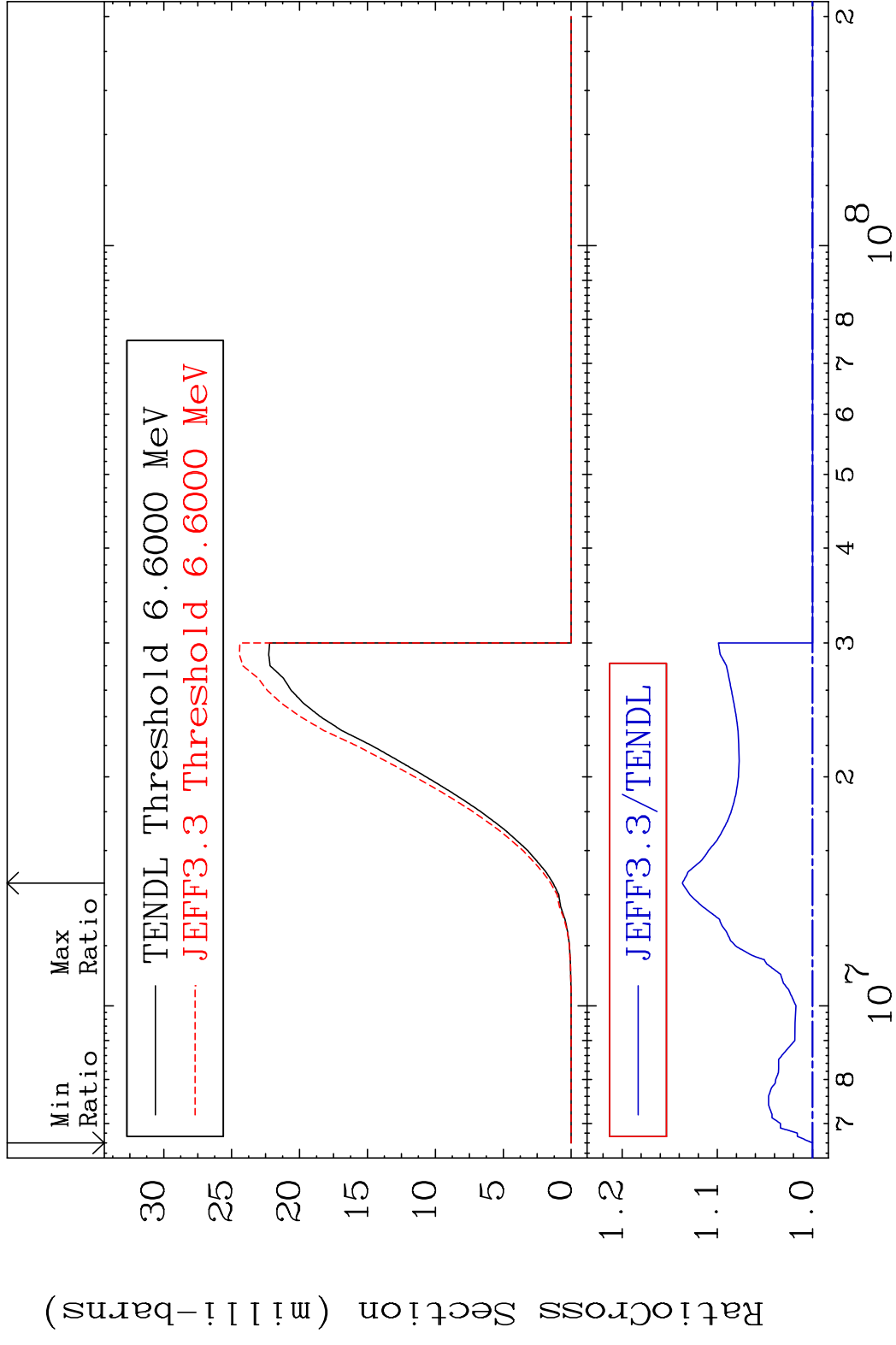




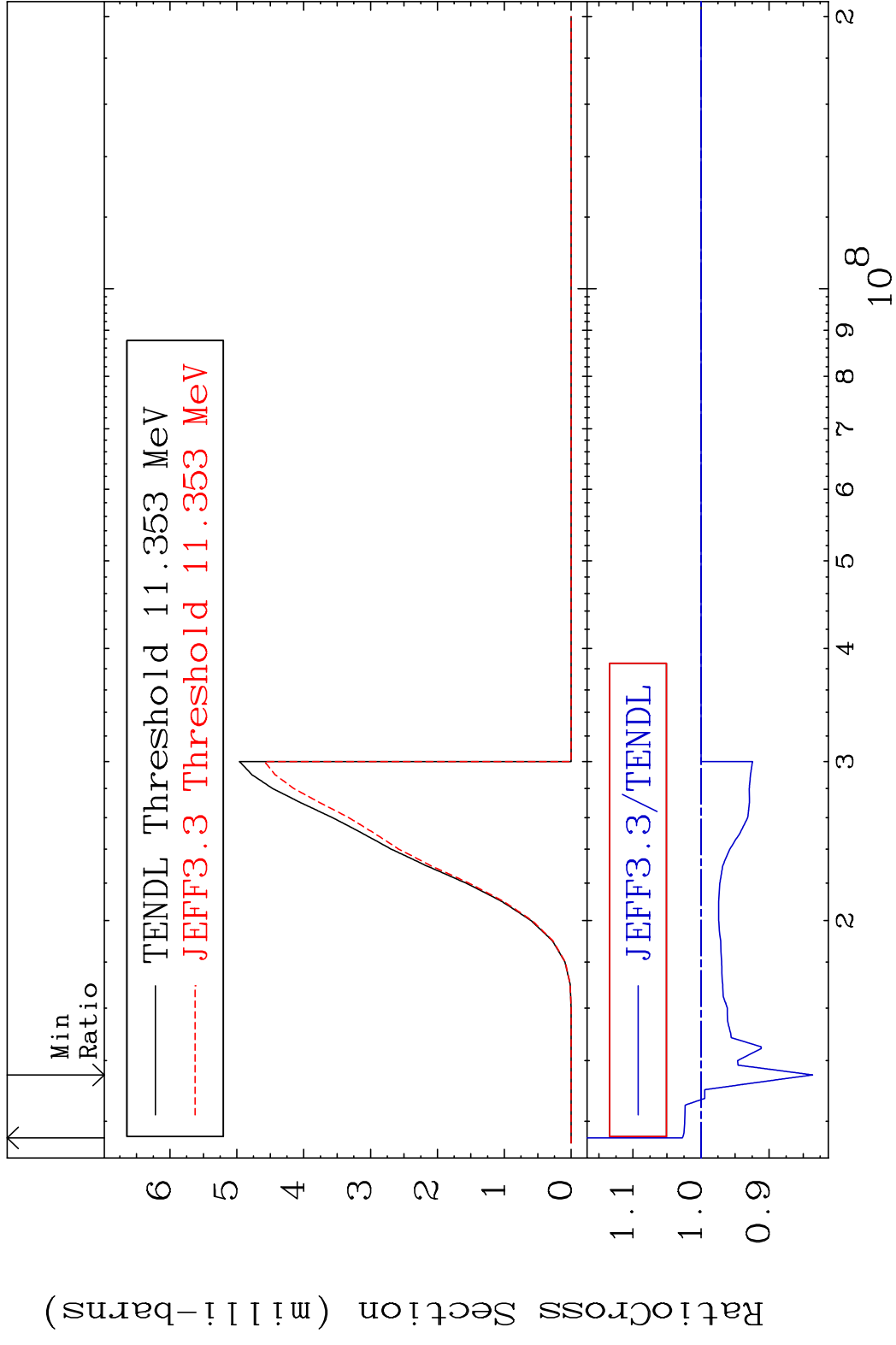
MAT 4019 (n,d):39-Y -87g 40-Zr-88
 Radionuclide Production Cross Section 16.07 %

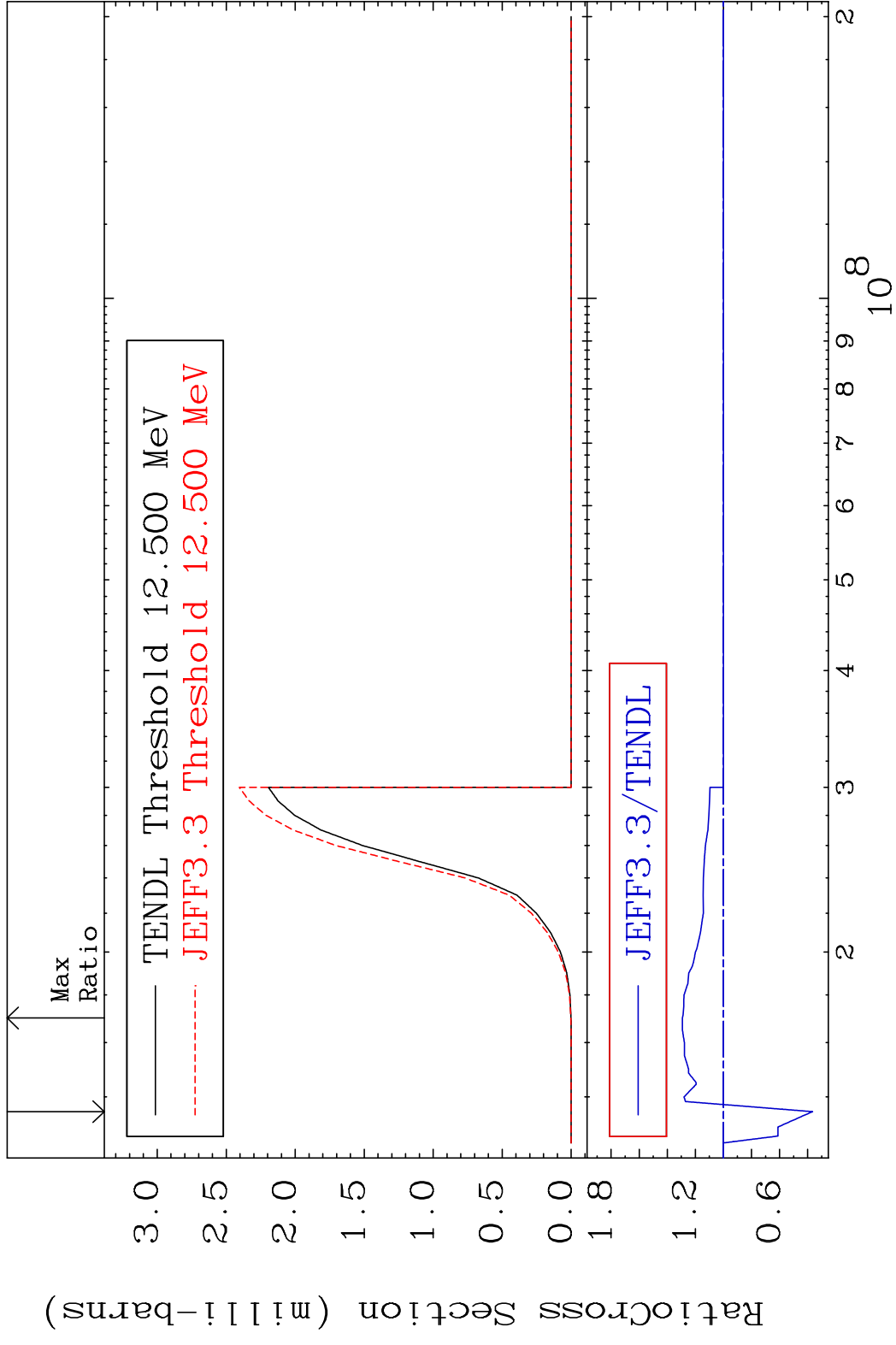


MAT 4019 (n,d):39-Y-87m1 40-Zr-88
 Radionuclide Production Cross Section 13.68 %

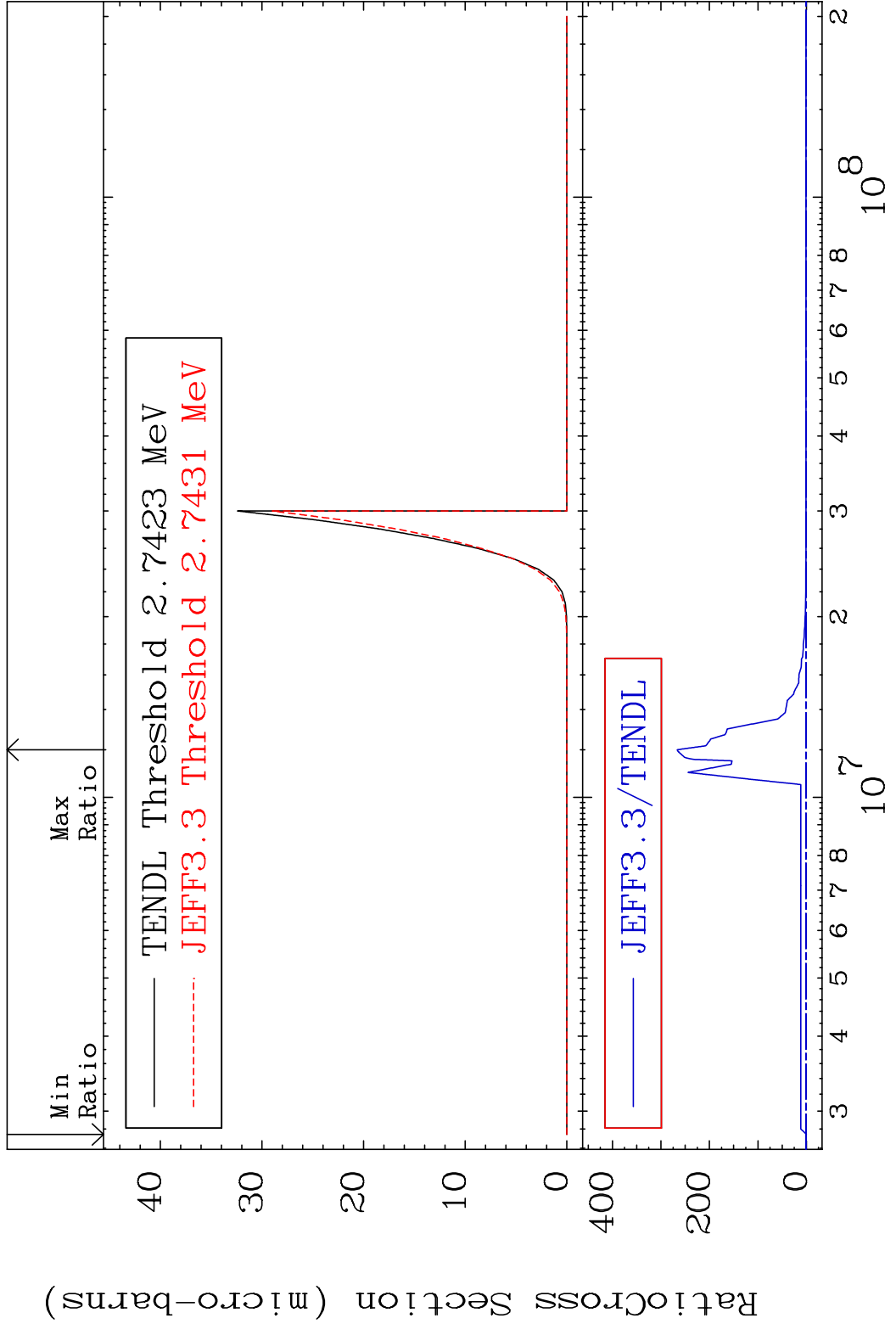


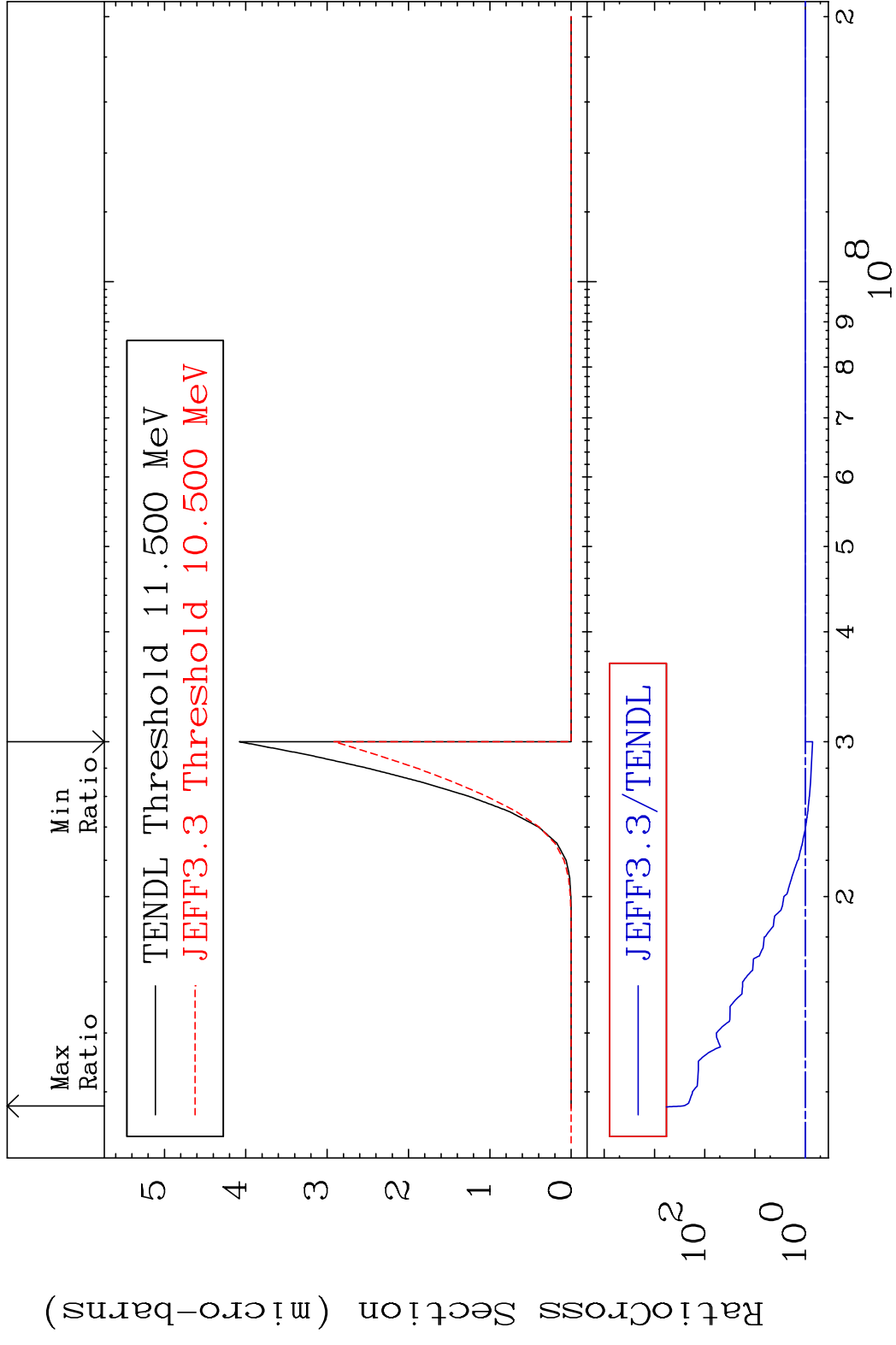
MAT 4019 (n, t):39-Y -86g 40-Zr-88
 Radionuclide Production Cross Section 186.371 dth 2.744 %



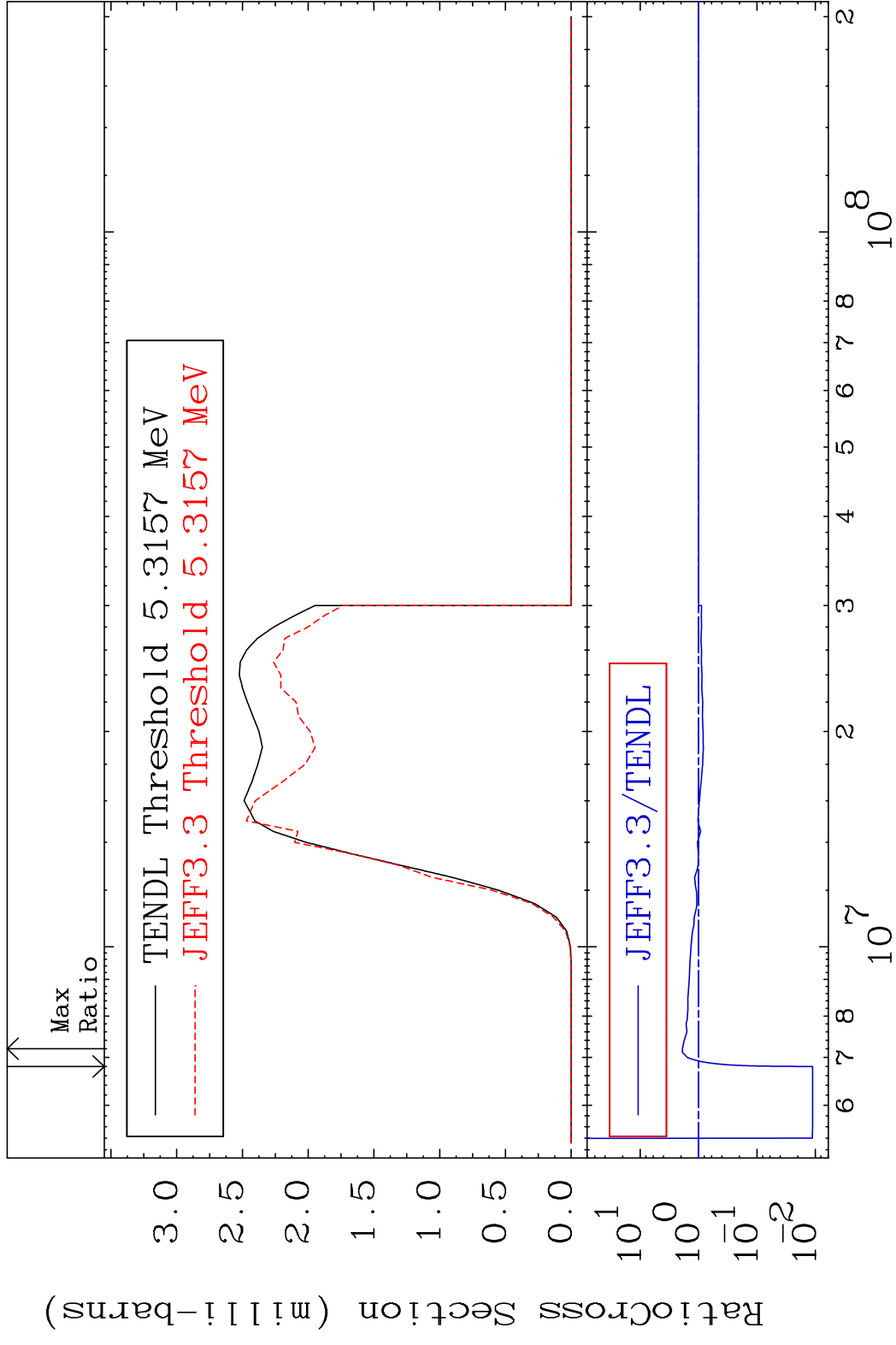


MAT 4019 (n,2α):36-Kr-81g 40-Zr-88
 Radionuclide Production Cross Section 100.00 dth 9999. %



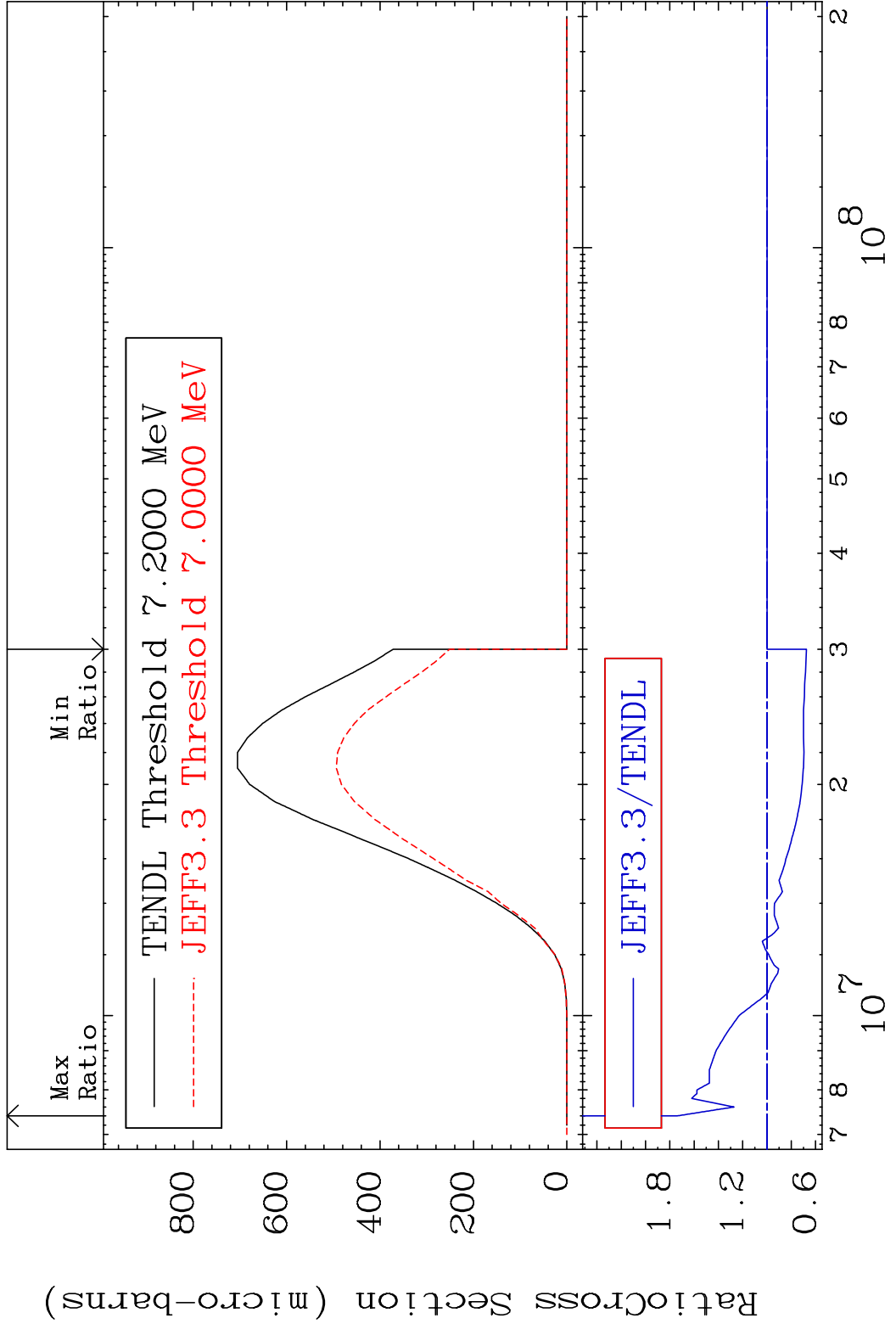


MAT 4019 (n,2p):38-Sr-87g 40-Zr-88
 Radionuclide Production Cross Section 98.69 dth 89.31 %

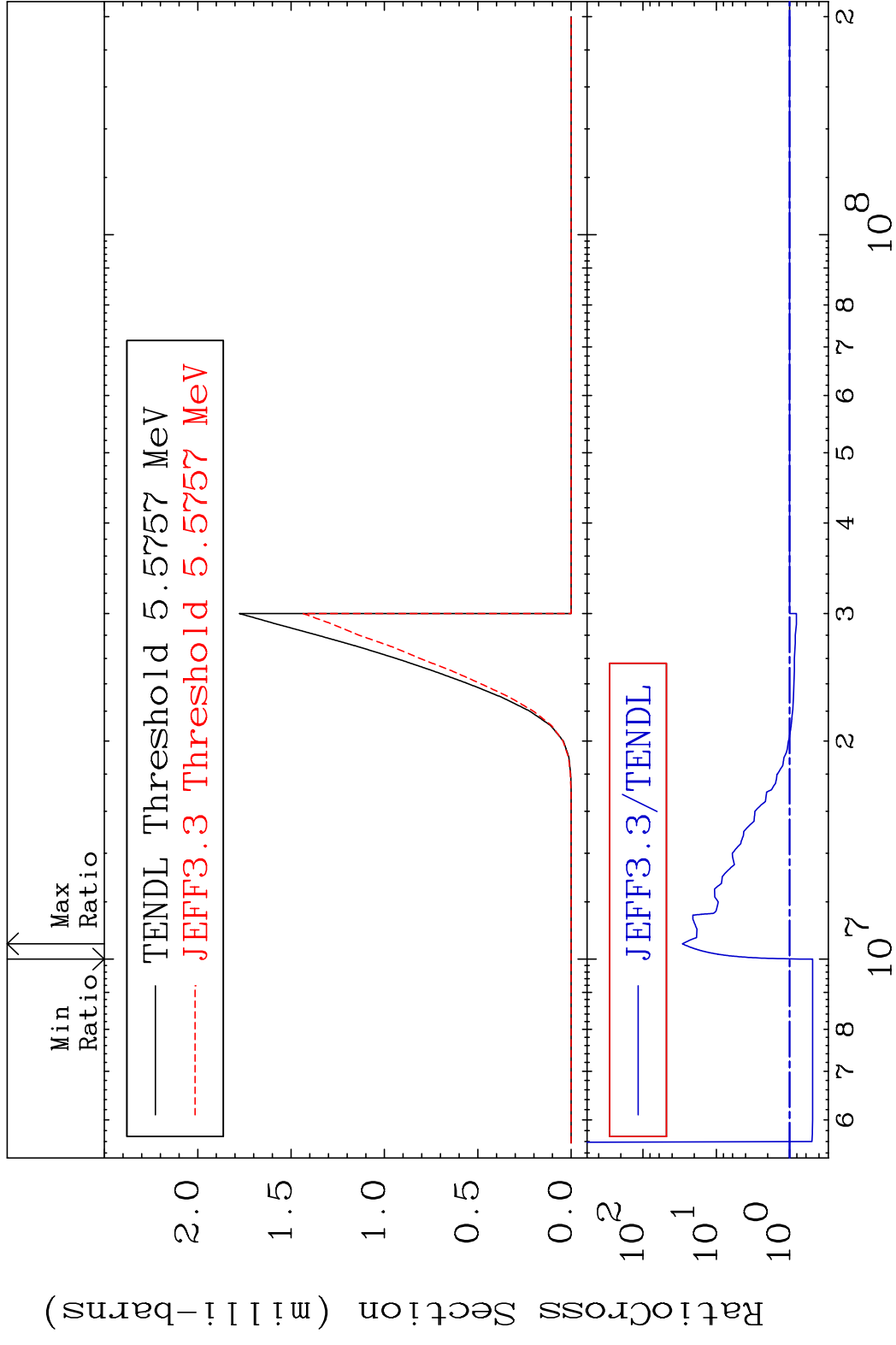


95 Incident Energy (eV) 40-Zr-88

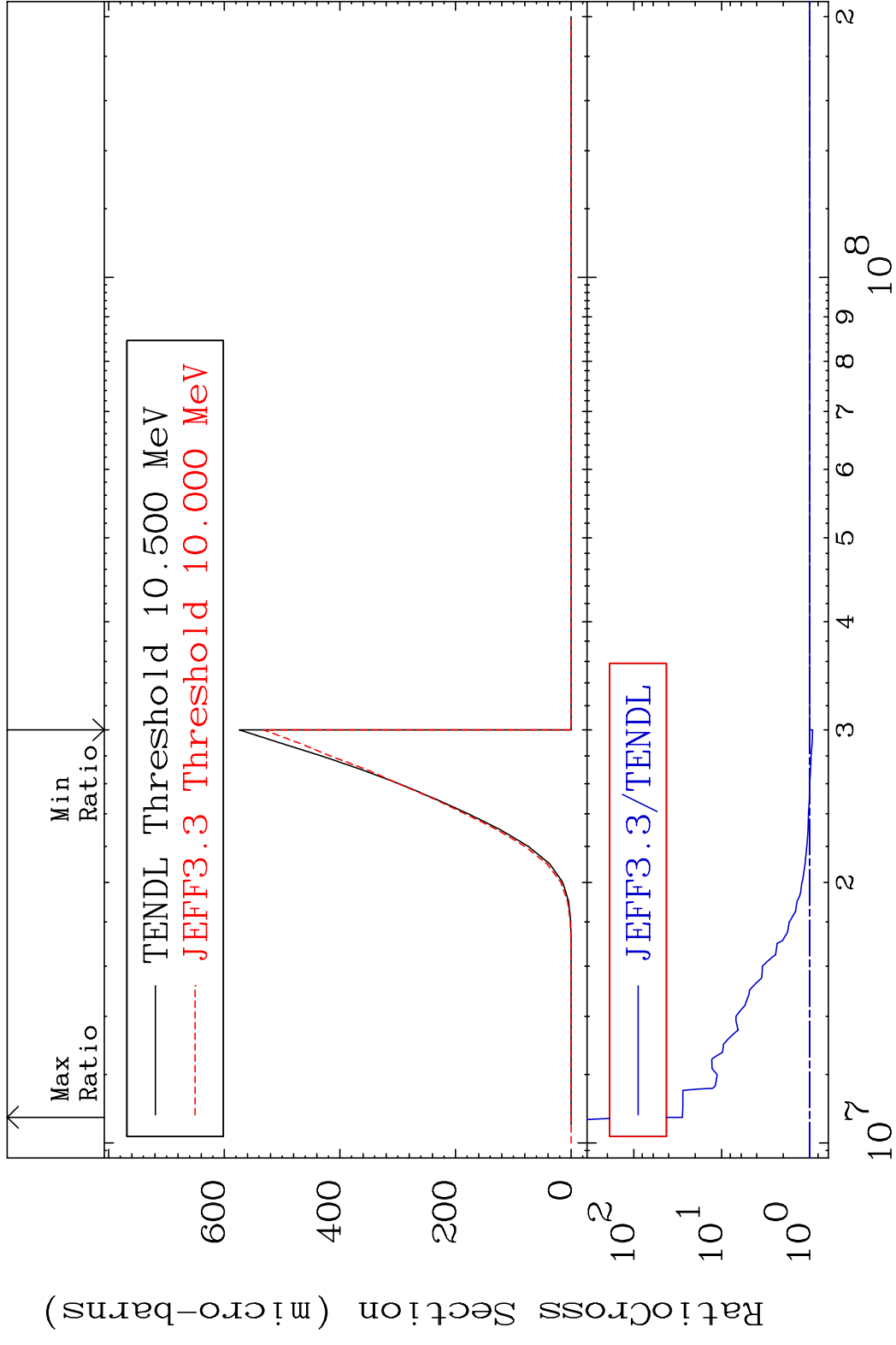
MAT 4019 (n,2p):38-Sr-87m1 40-Zr-88
 Radionuclide Production Cross Section 73.95 %



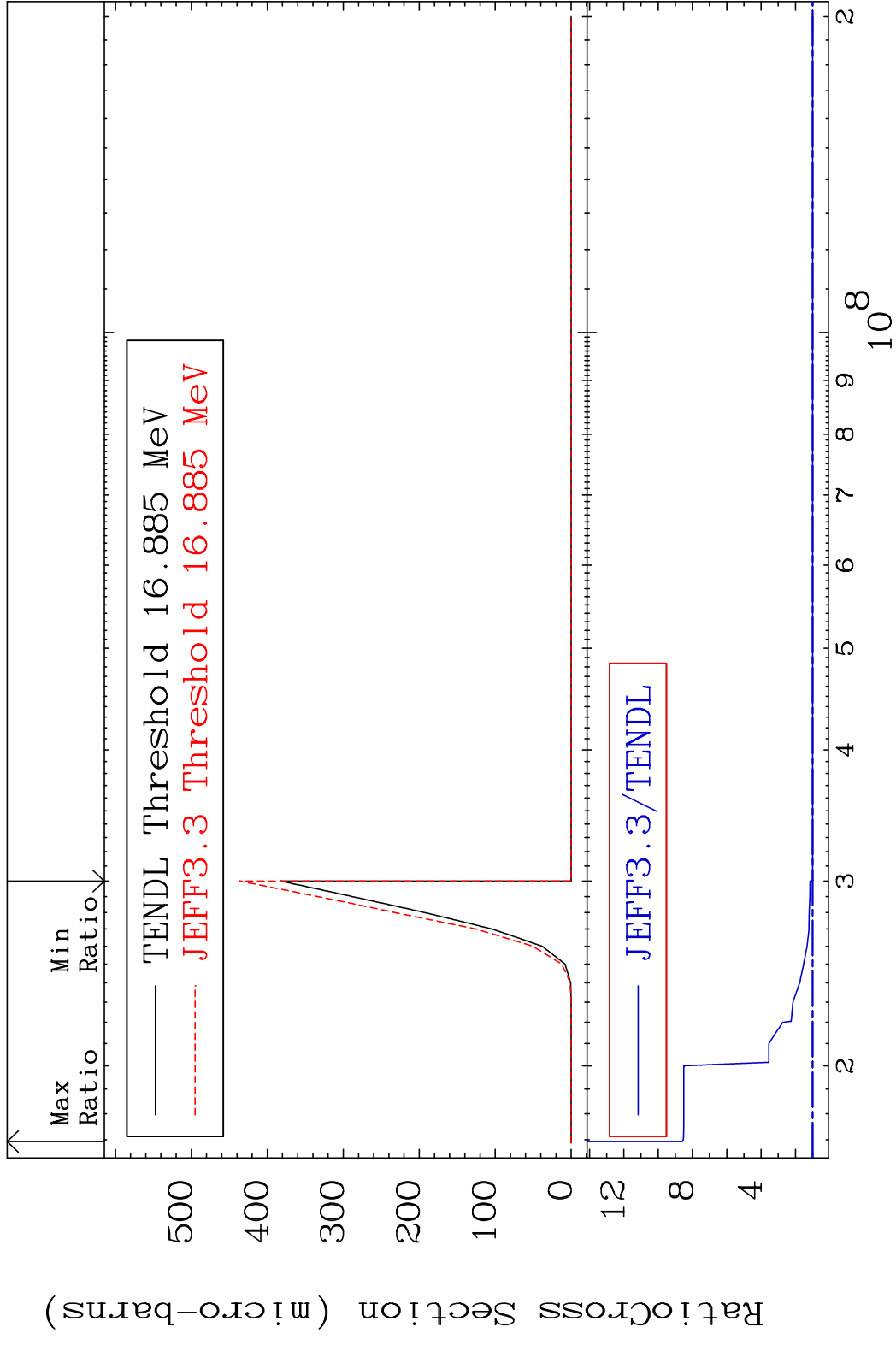
MAT 4019 (n, p) α :37-Rb-84g 40-Zr-88
 Radionuclide Production Cross Section 2796. %



97 Incident Energy (eV) 40-Zr-88



MAT 4019 (n, p) t:38-Sr-85g 40-Zr-88
 Radionuclide Production Cross Section 758.8 %



MAT 4019 (n,p) t:38-Sr-85m2 40-Zr-88
 Radionuclide Production Cross Section 15601 d10 937.7 %

