

Program Complot
(Version 2021-1)

by

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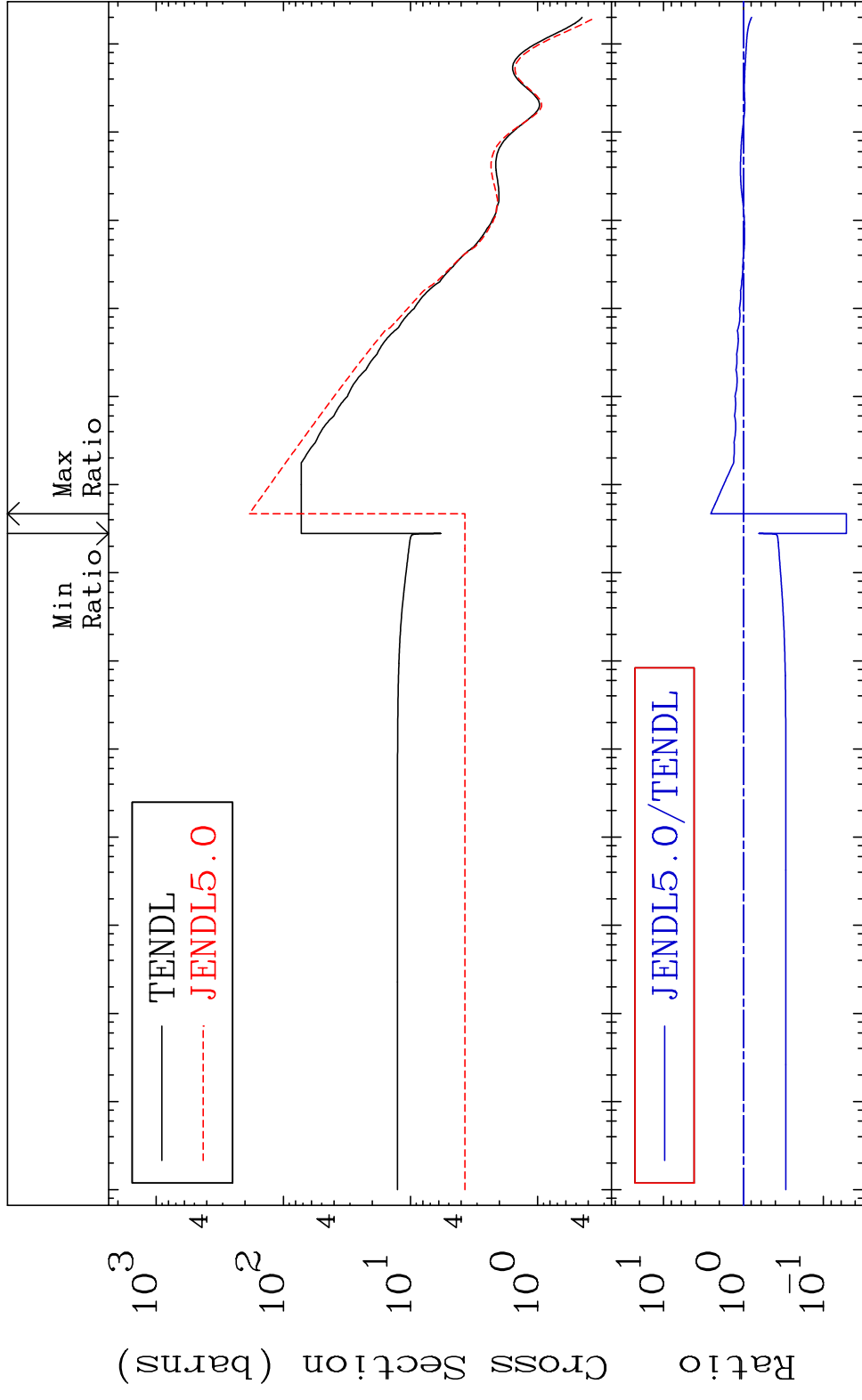
Press Mouse Button to Start

MAT 2522

Elastic

25-Mn-54

Cross Section -94.83 To 156.8 %

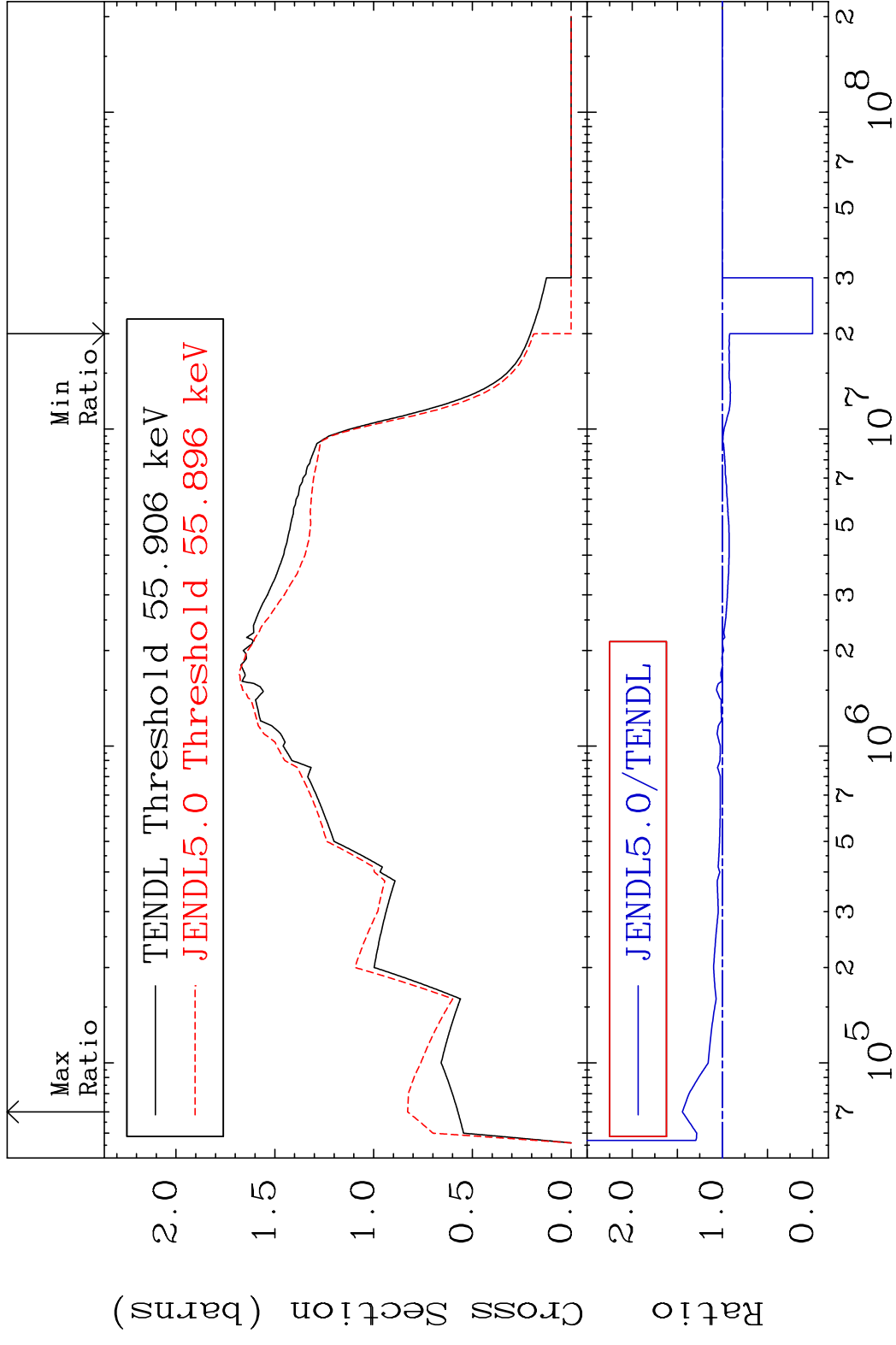


2

Incident Energy (eV)

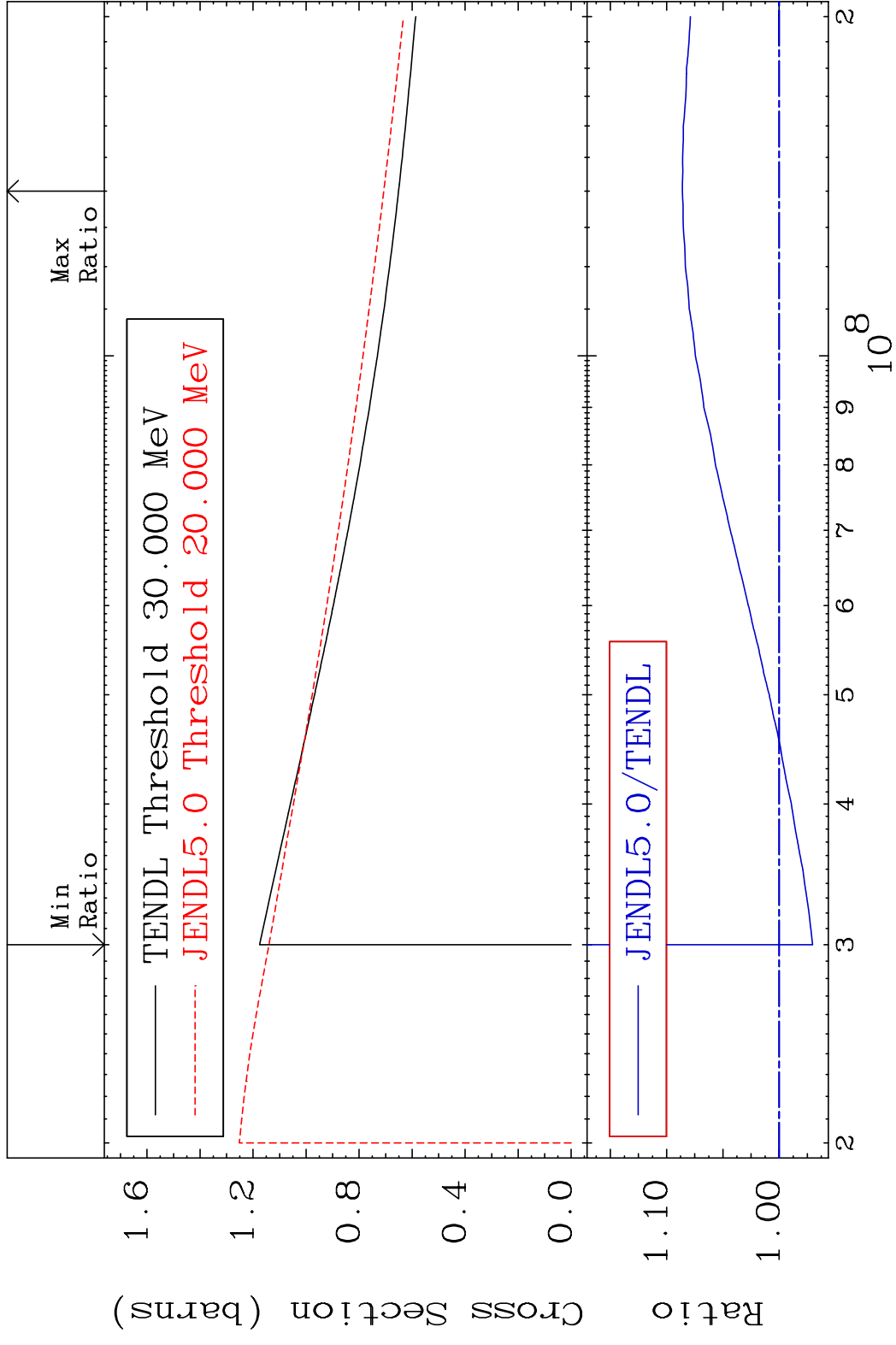
25-Mn-54

MAT 2522 Inelastic 25-Mn-54
 Cross Section -100.0 To 44.37 %



3 25-Mn-54

MAT 2522 (n, remainder) 25-Mn-54
 Cross Section -2.971 To 8.601 %



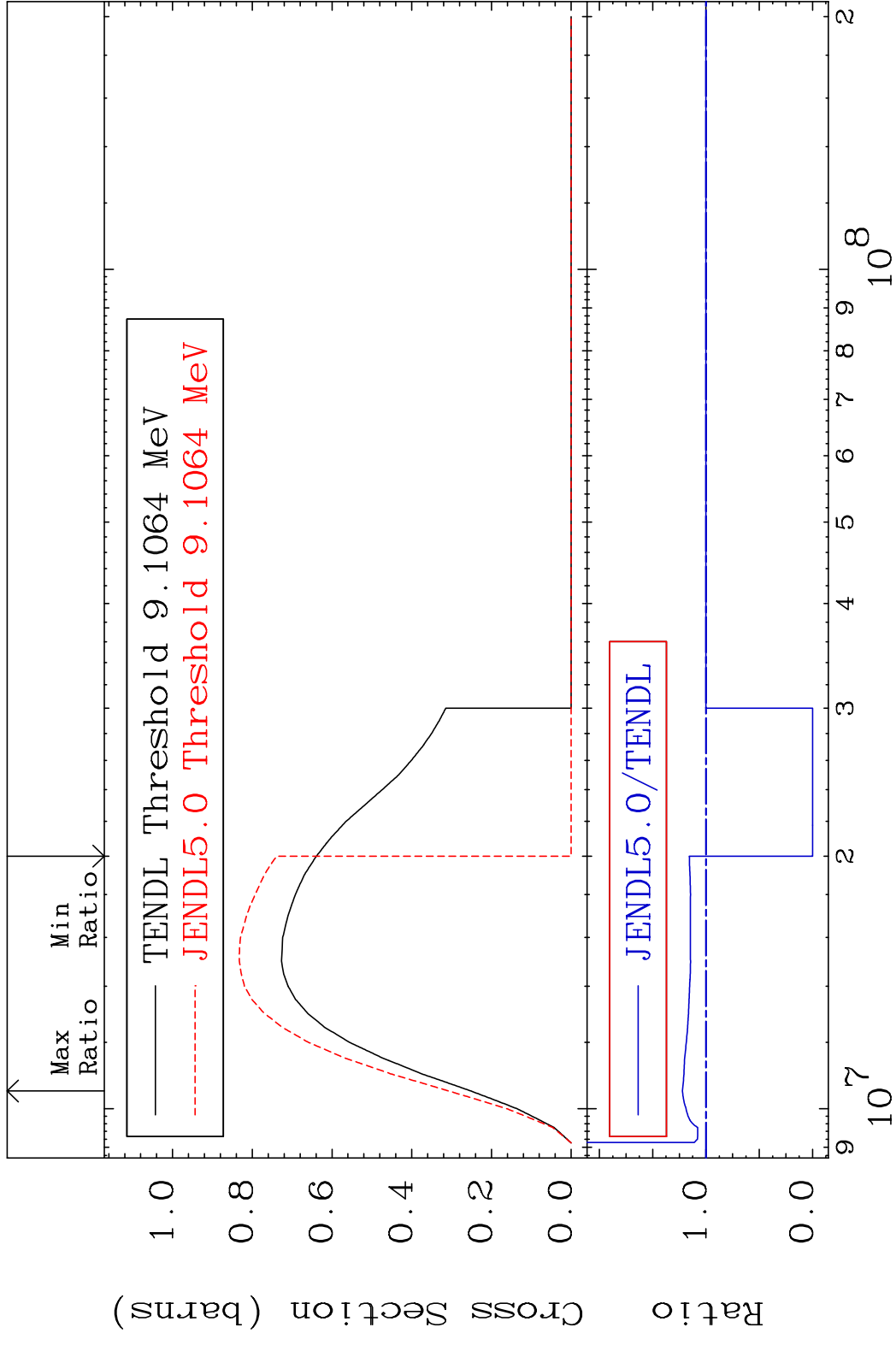
4 Incident Energy (eV) 25-Mn-54

MAT 2522

(n,2n)

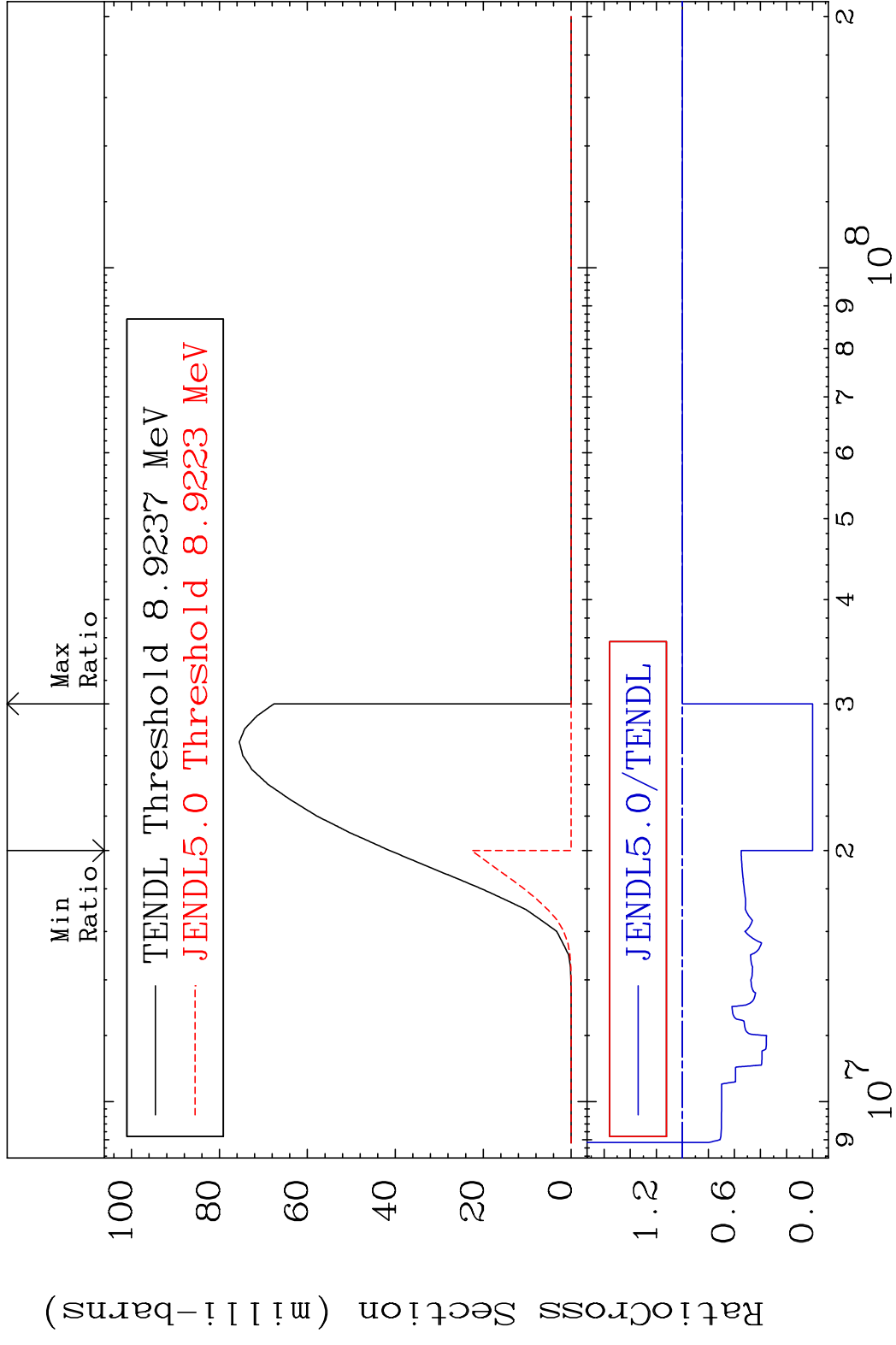
25-Mn-54

Cross Section -100.0 To 22.18 %



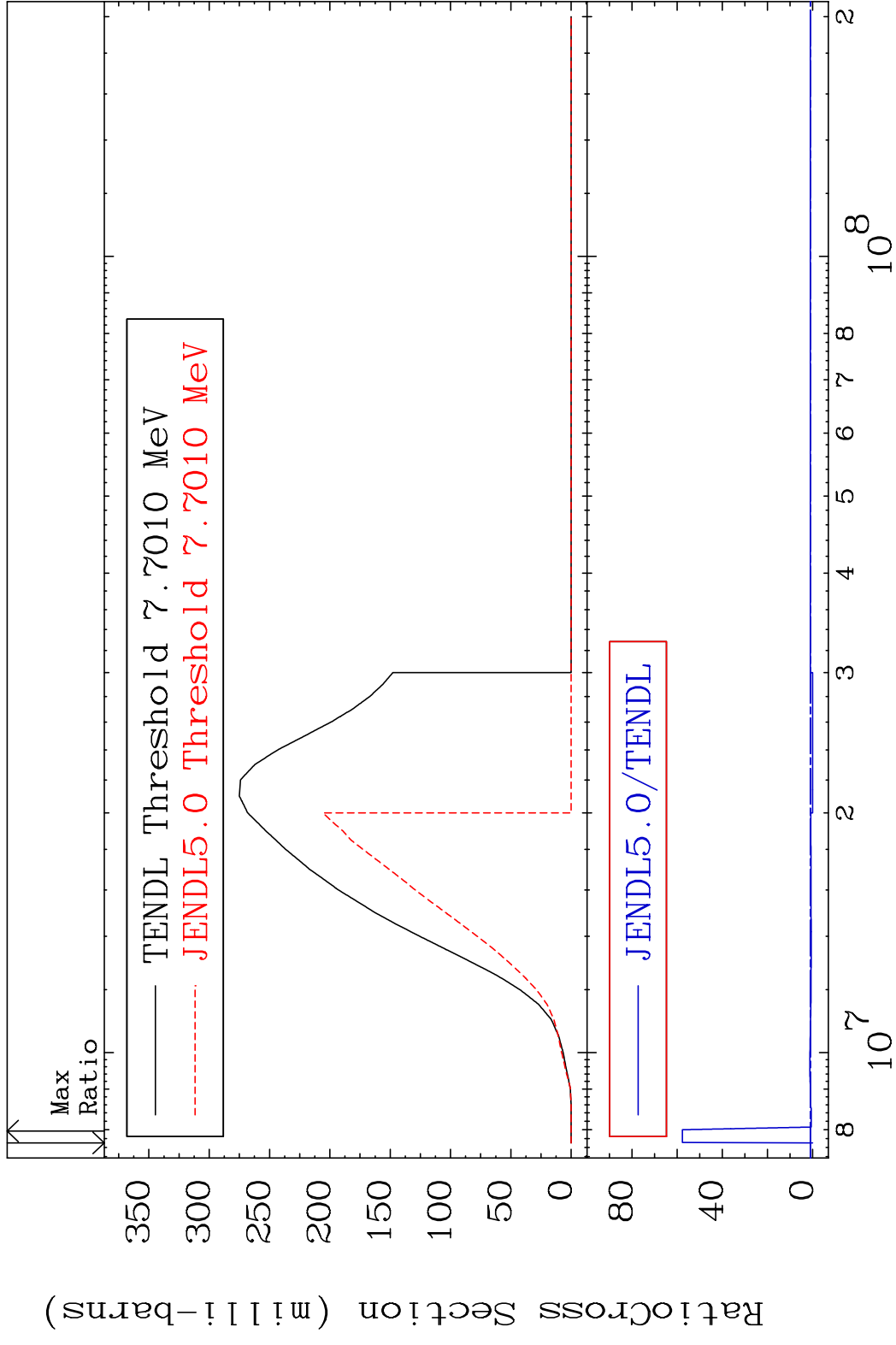
5 Incident Energy (eV) 25-Mn-54

MAT 2522 (n, n') α 25-Mn-54
 Cross Section -100.0 To 0.000 %



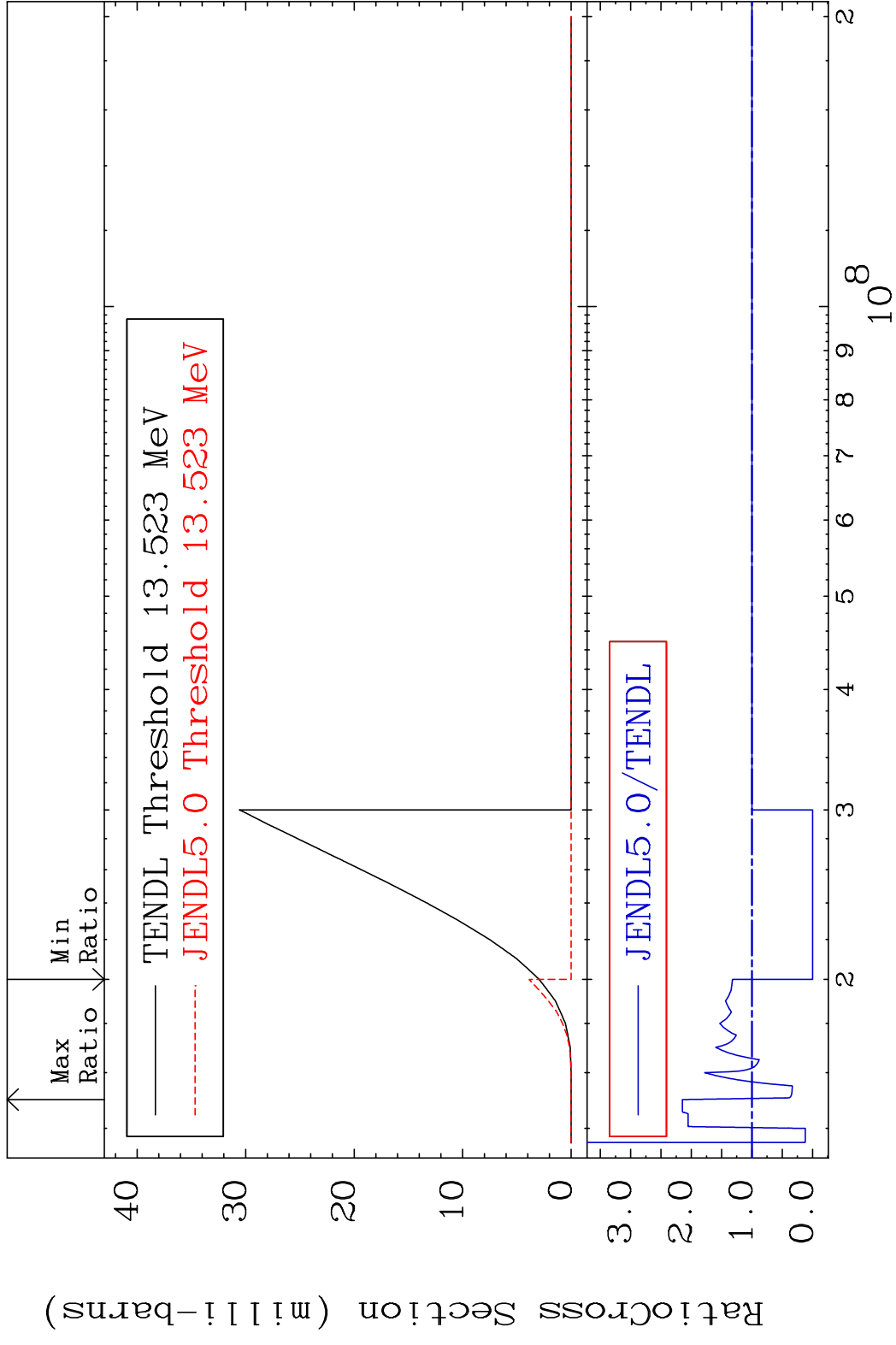
6 Incident Energy (eV) 25-Mn-54

MAT 2522 (n, n') p 25-Mn-54
 Cross Section -100.0 To 5669. %

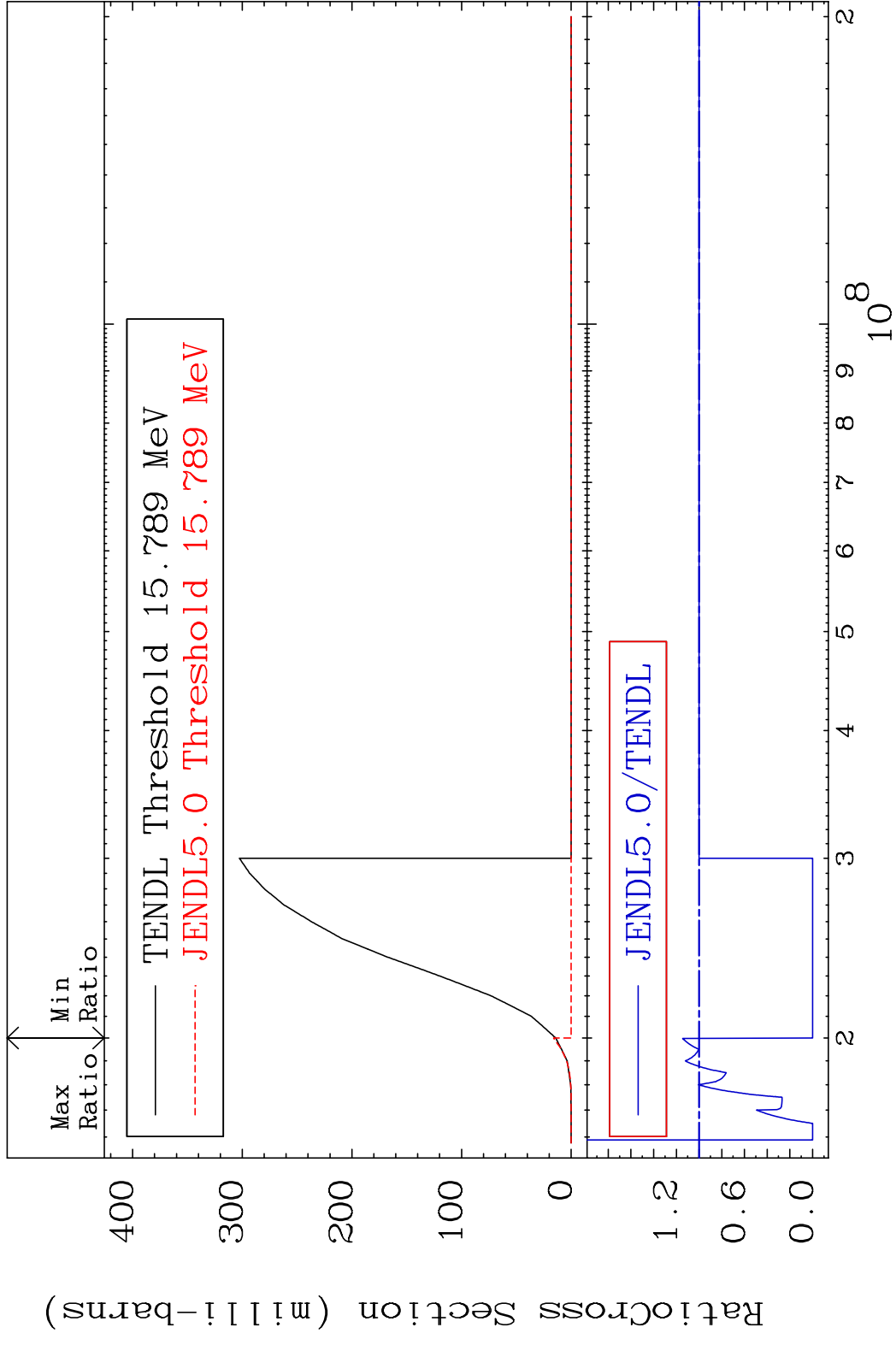


7 Incident Energy (eV) 25-Mn-54

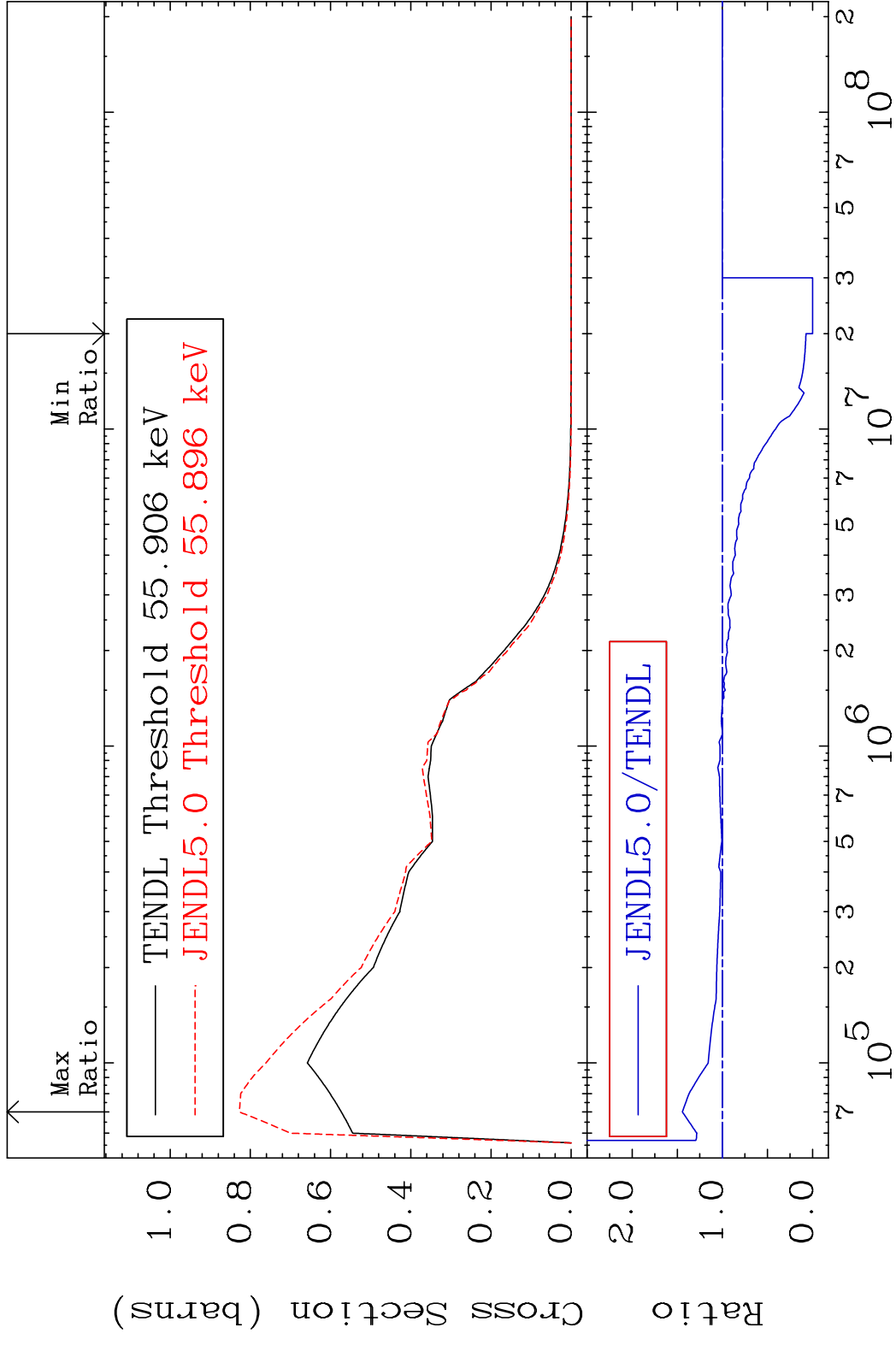
MAT 2522 (n, n') d 25-Mn-54
 Cross Section -100.0 To 114.7 %



MAT 2522 (n,2n) p 25-Mn-54
 Cross Section -100.0 To 14.71 %

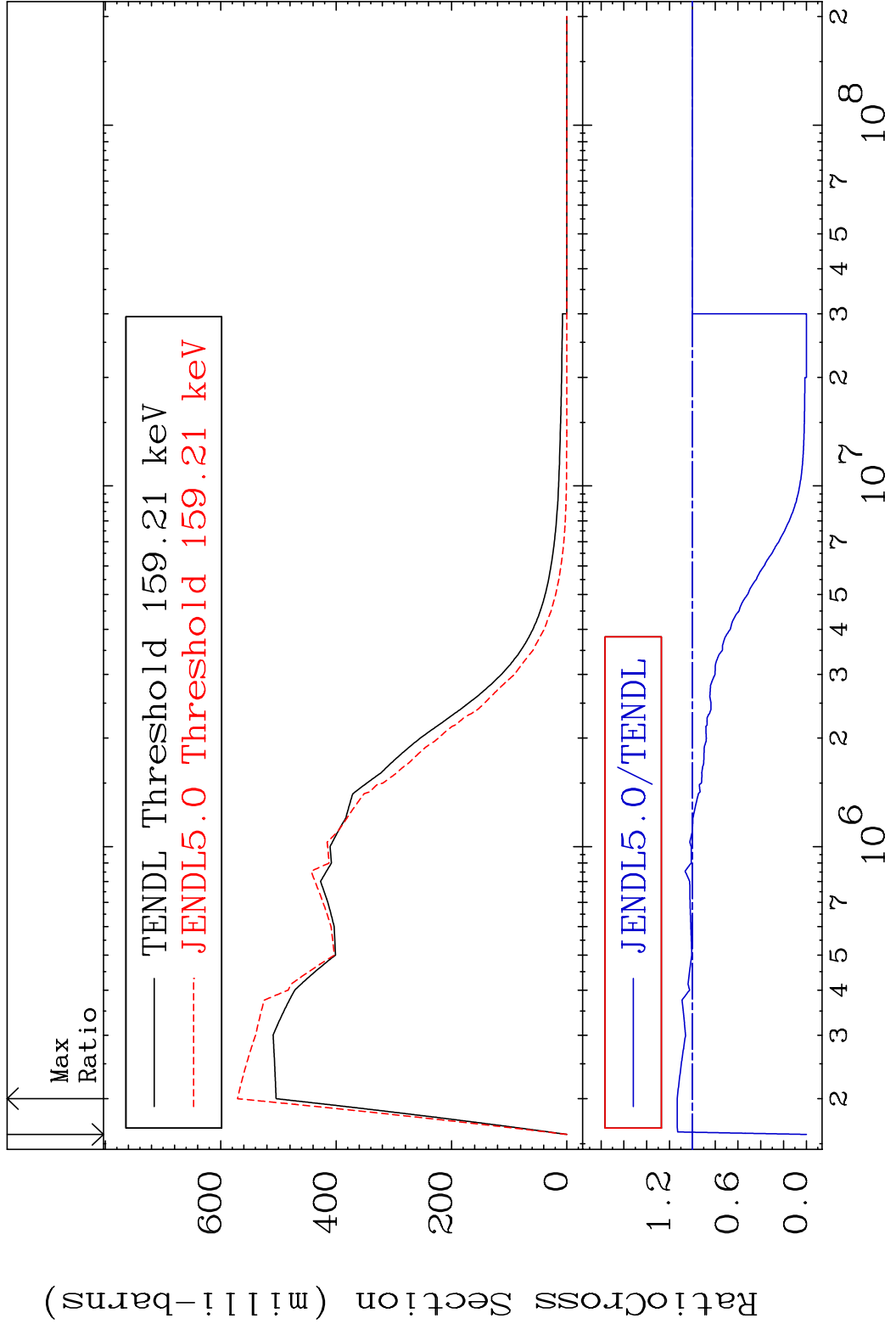


MAT 2522 MT= 51 (n,n') Level 25-Mn-54
 Cross Section -100.0 To 44.37 %

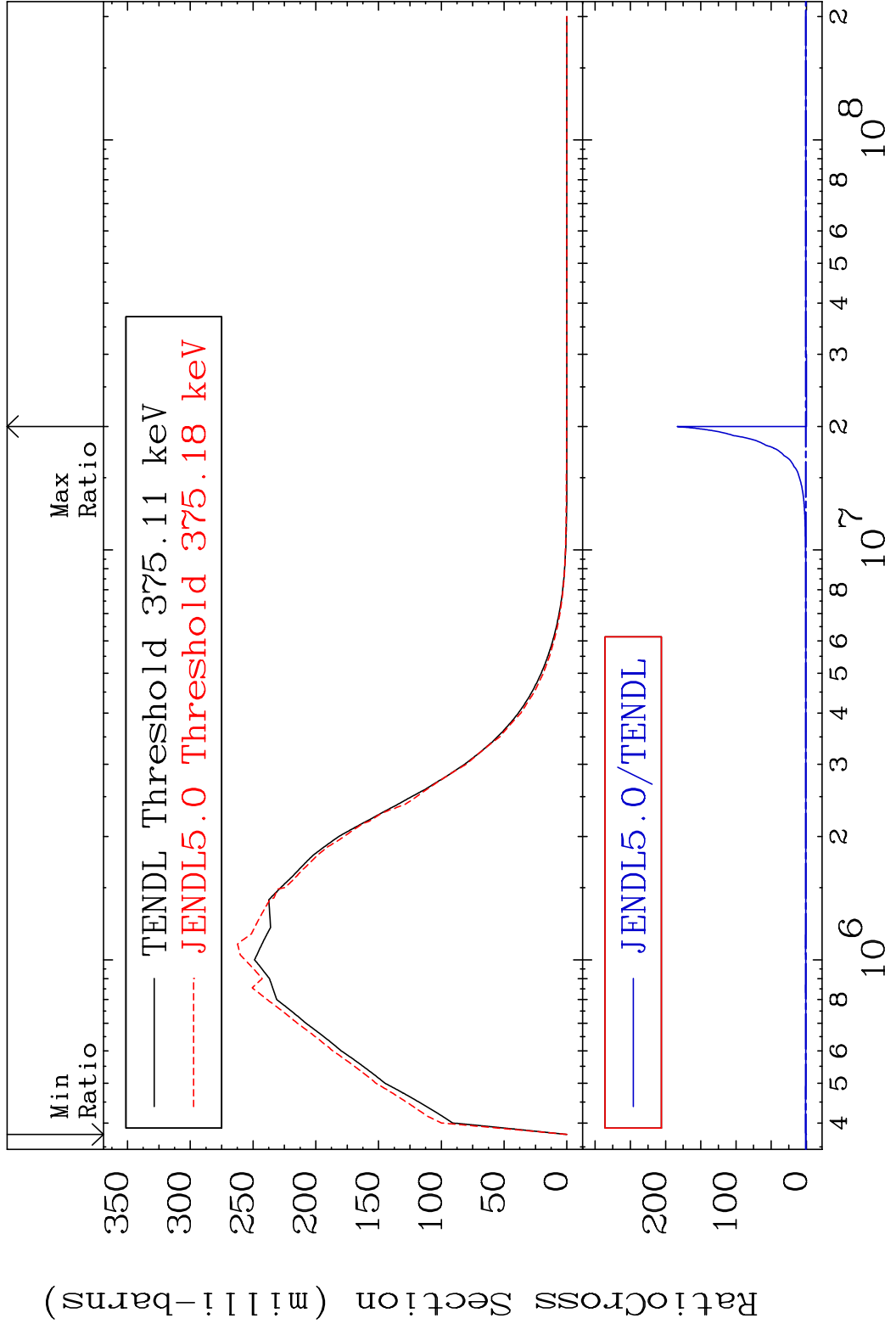


10 Incident Energy (eV) 25-Mn-54

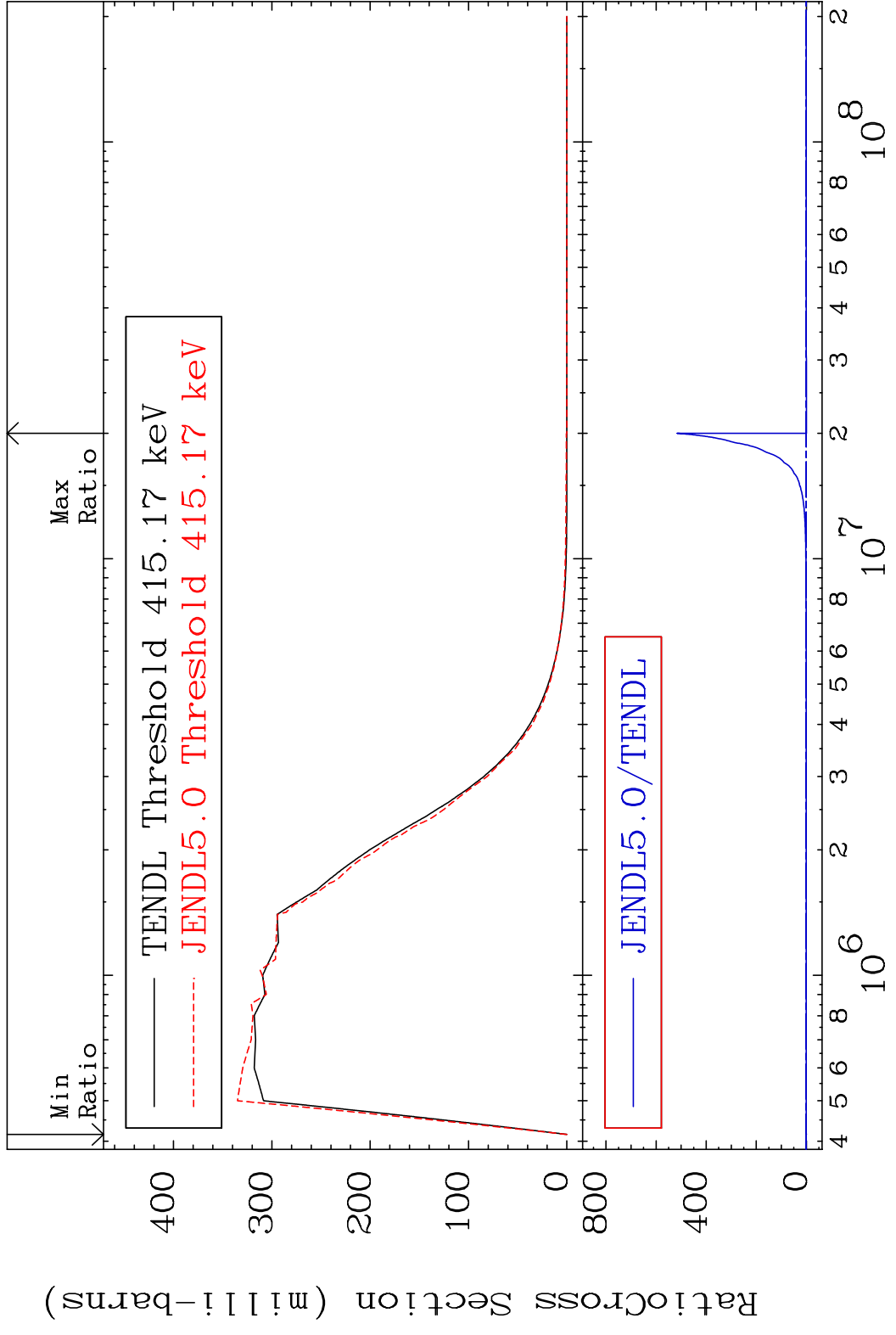
MAT 2522 MT= 52 (n,n') Level 25-Mn-54
 Cross Section -100.0 To 13.27 %



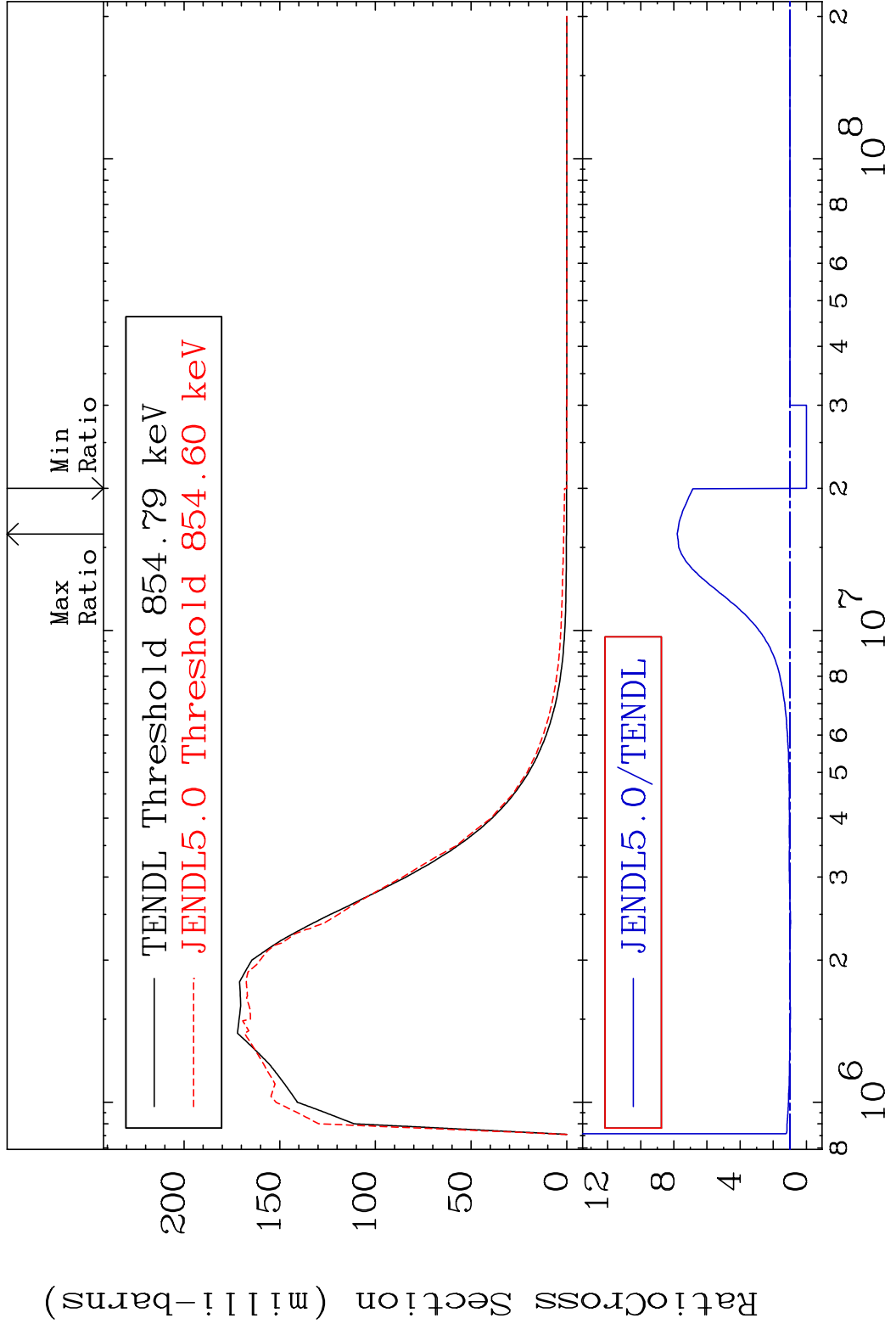
MAT 2522 MT= 53 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 MT= 54 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %

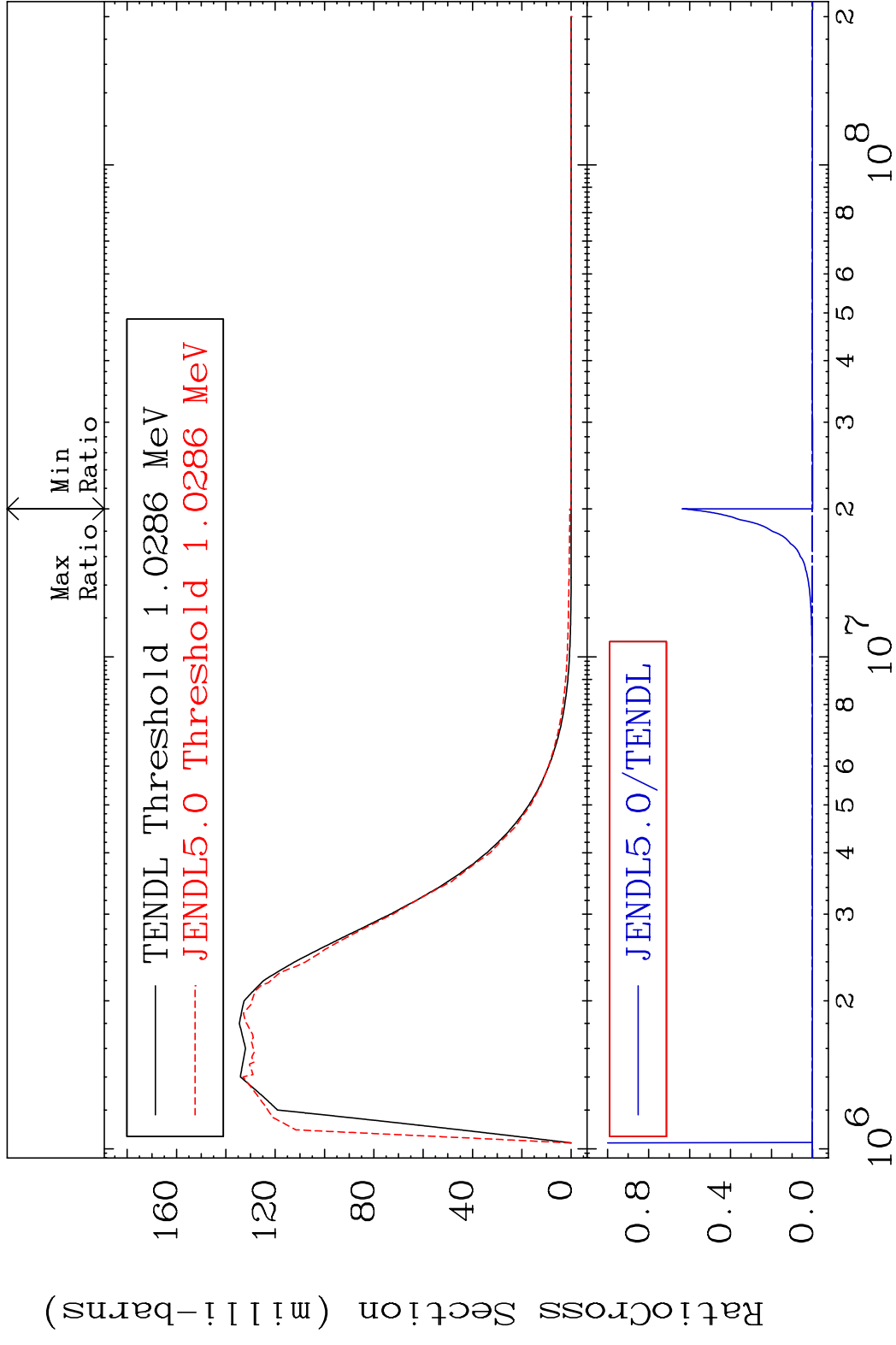


MAT 2522 MT= 55 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 679.8 %



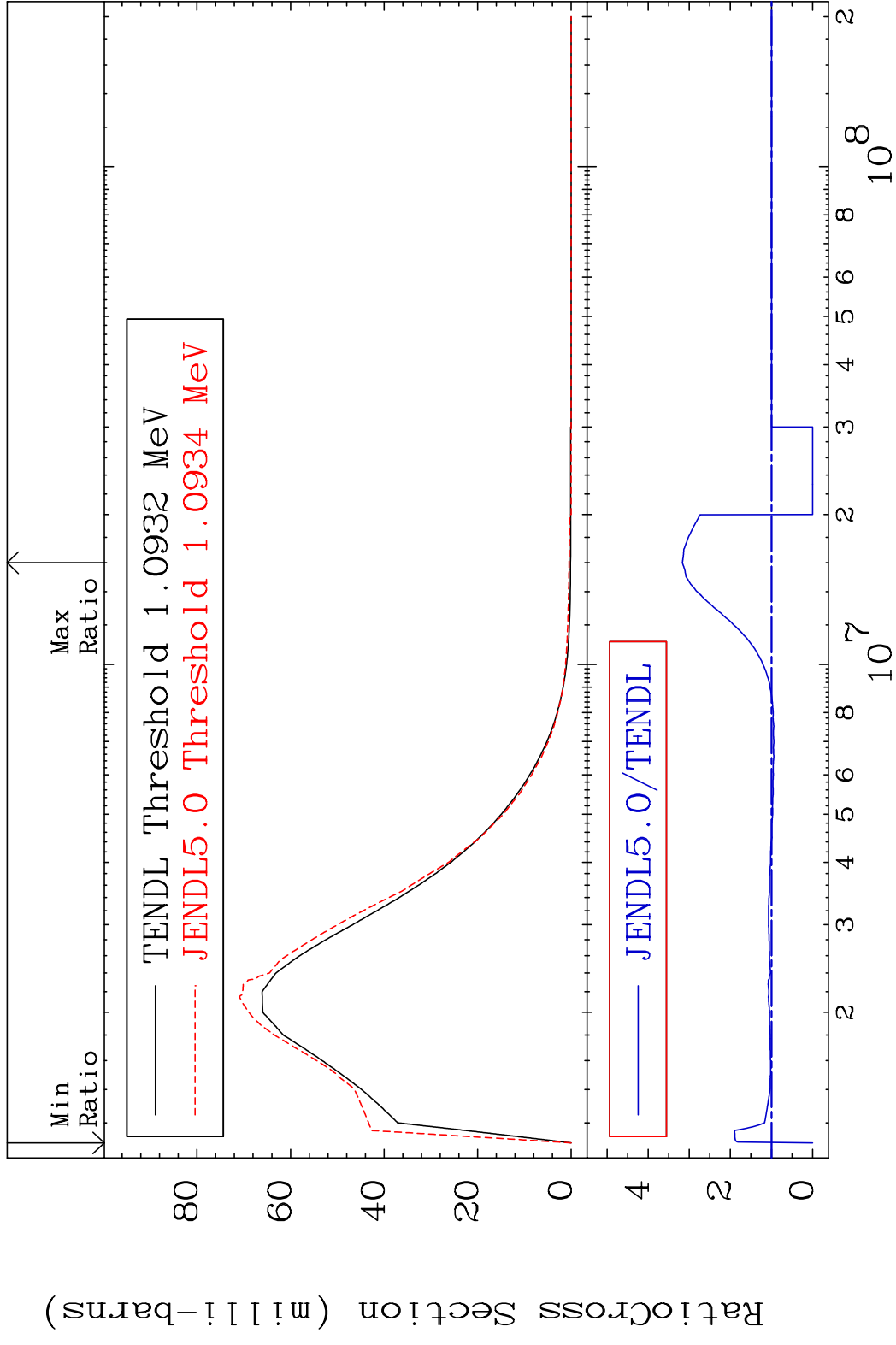
14 25-Mn-54

MAT 2522 MT= 56 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %

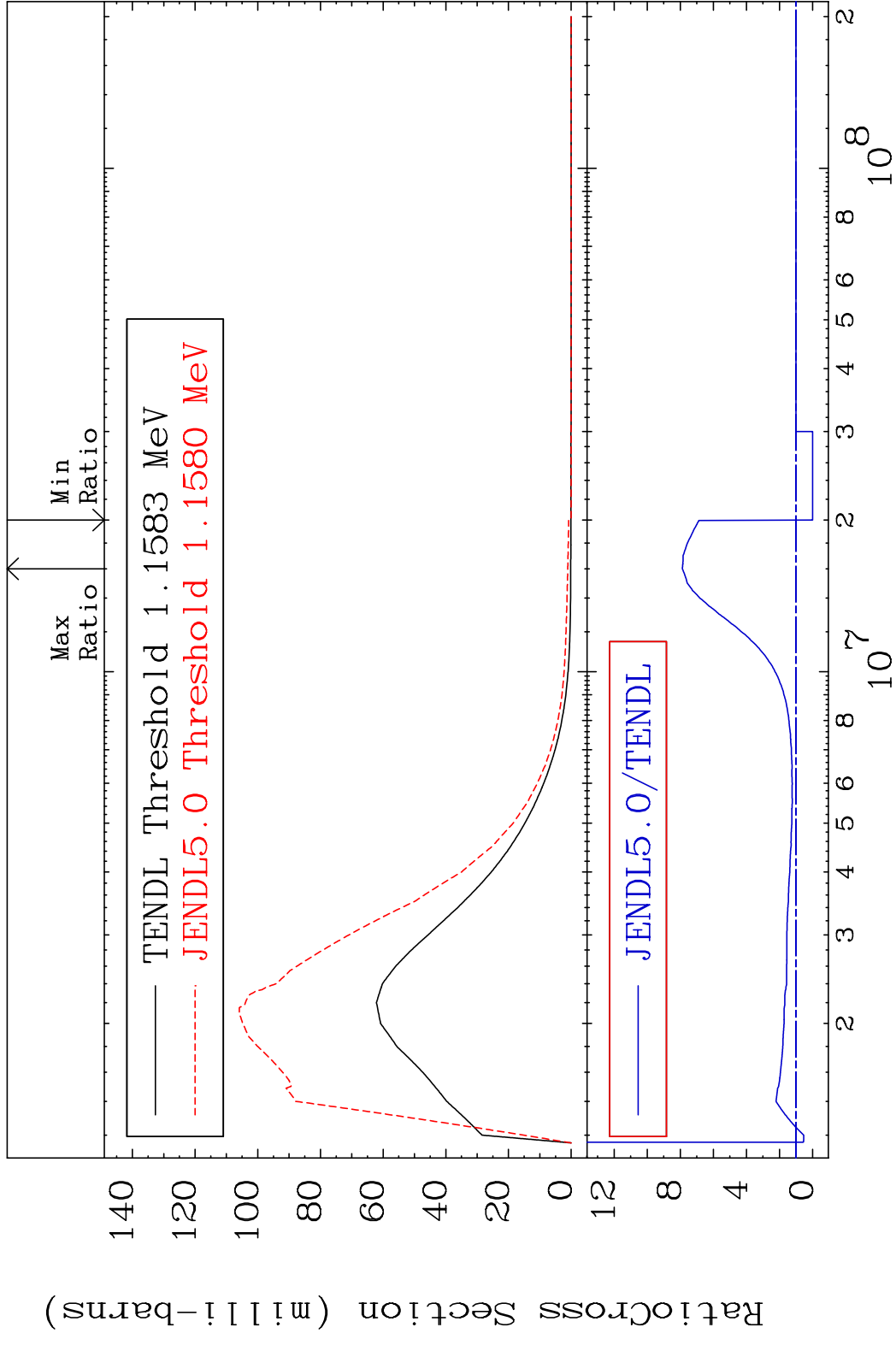


15 Incident Energy (eV) 25-Mn-54

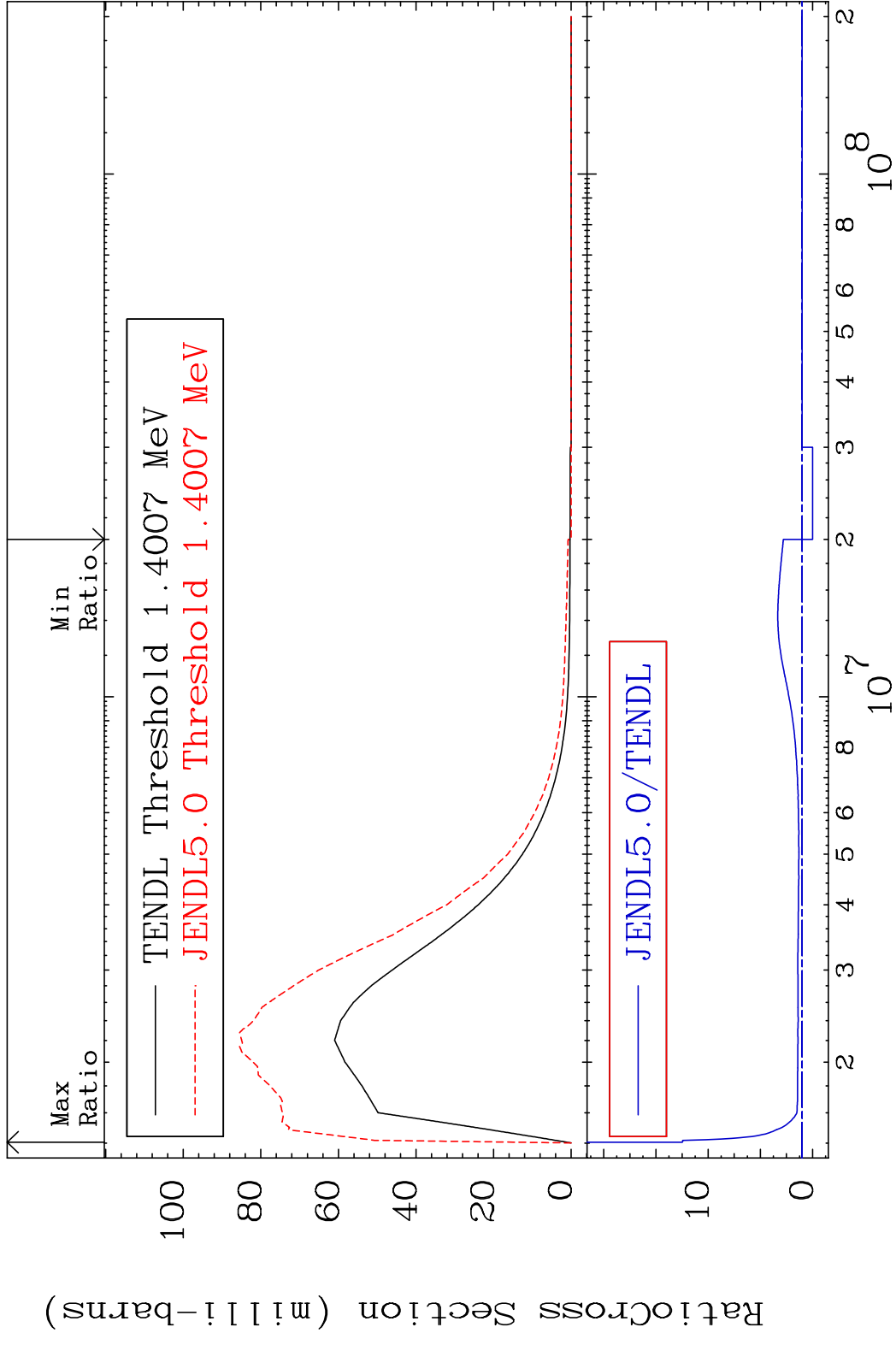
MAT 2522 MT= 57 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 216.8 %



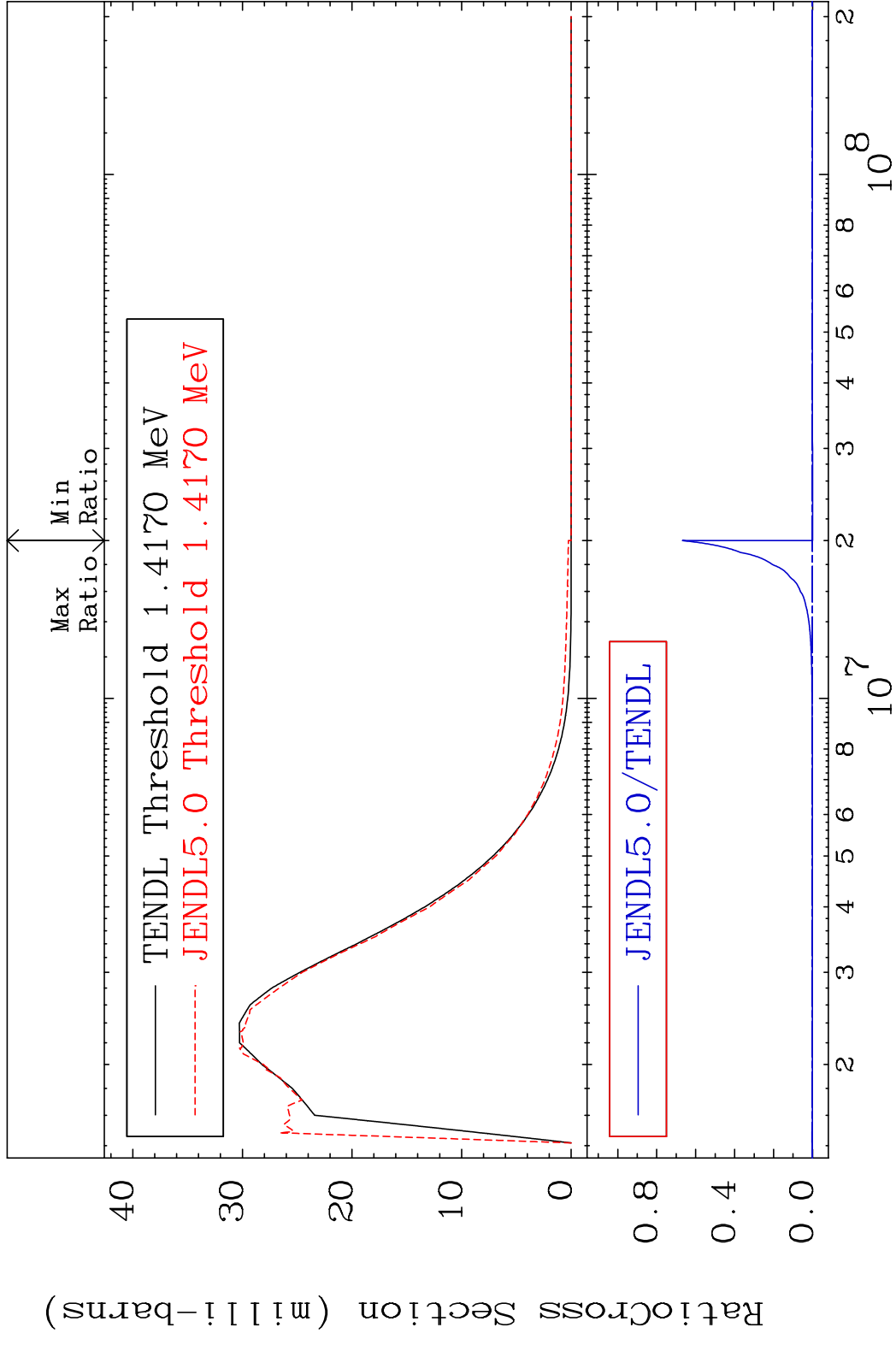
MAT 2522 MT= 58 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 687.2 %



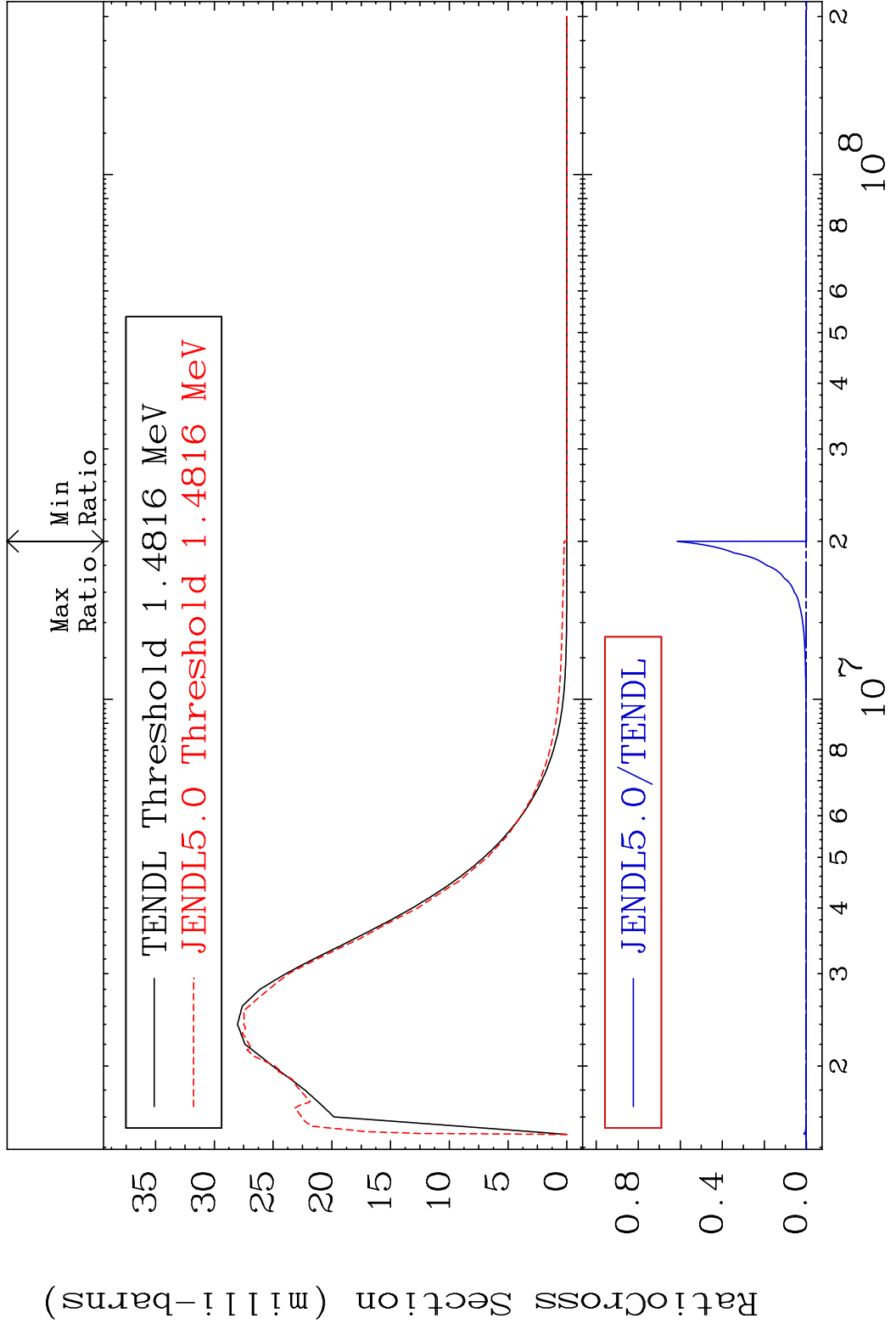
MAT 2522 MT= 59 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 1147. %



MAT 2522 MT= 60 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %

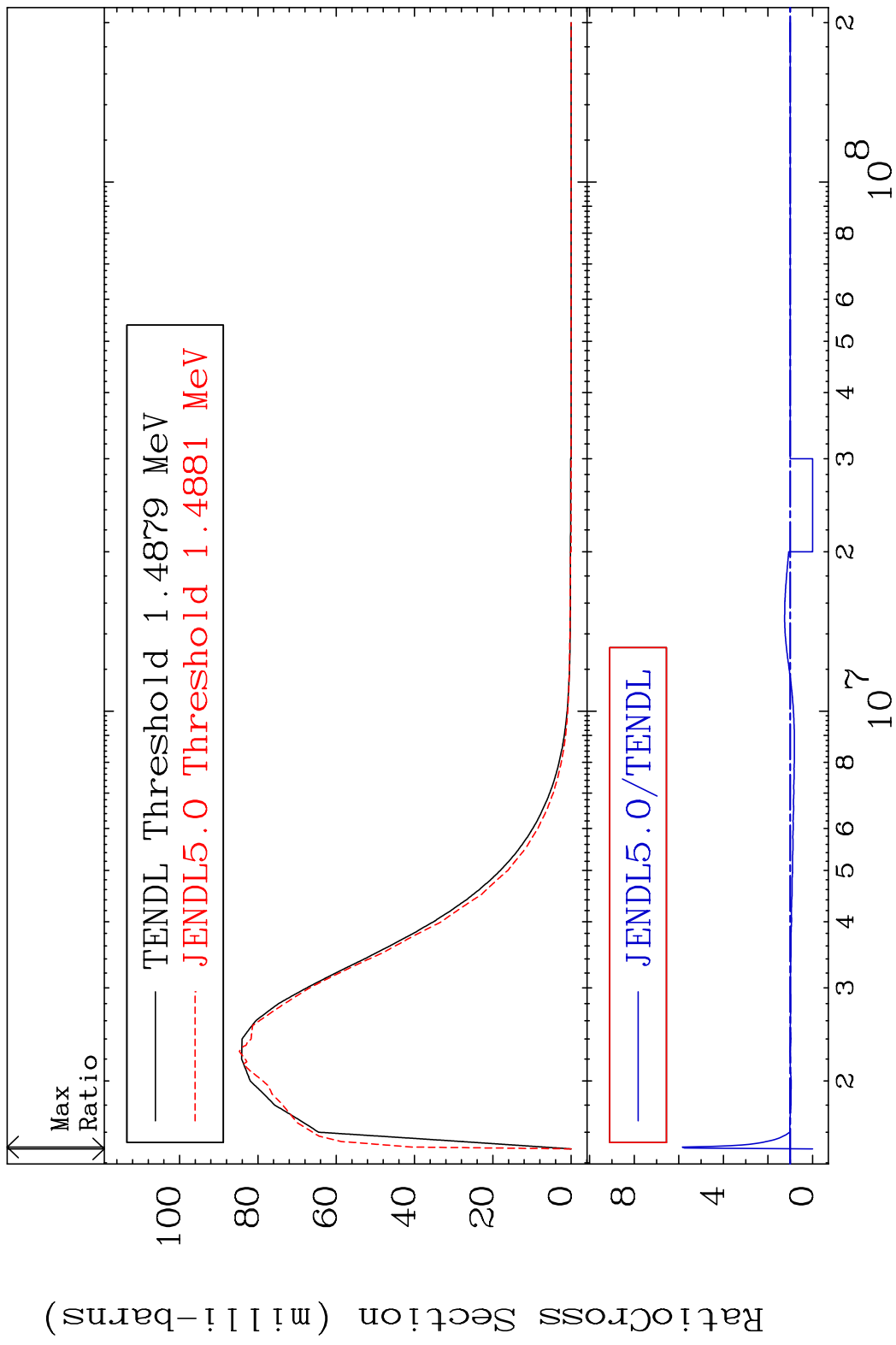


MAT 2522 MT= 61 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



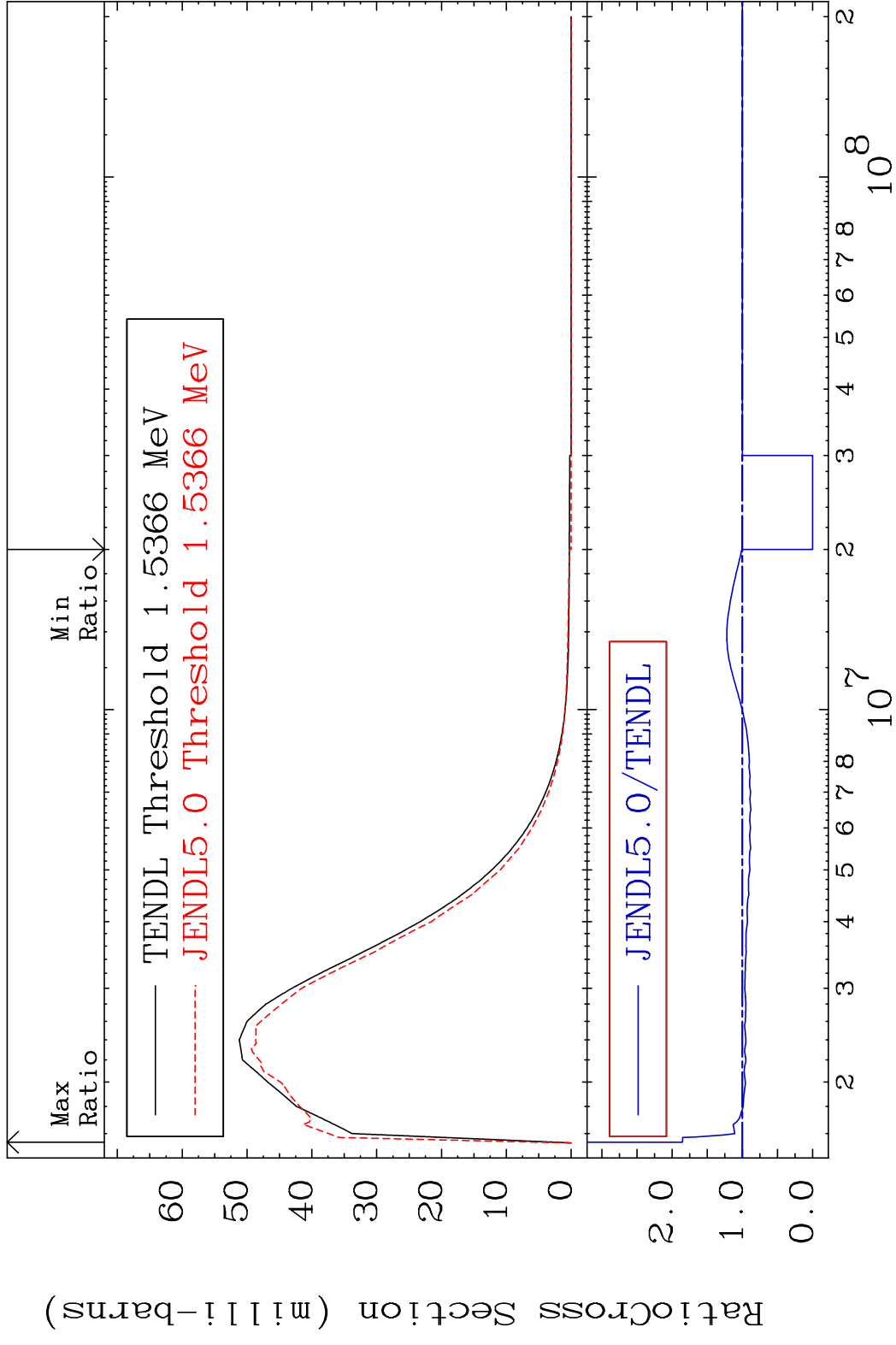
20 Incident Energy (eV) 25-Mn-54

MAT 2522 MT= 62 (n,n') Level 25-Mn-54
 Cross Section -100.0 To 484.2 %

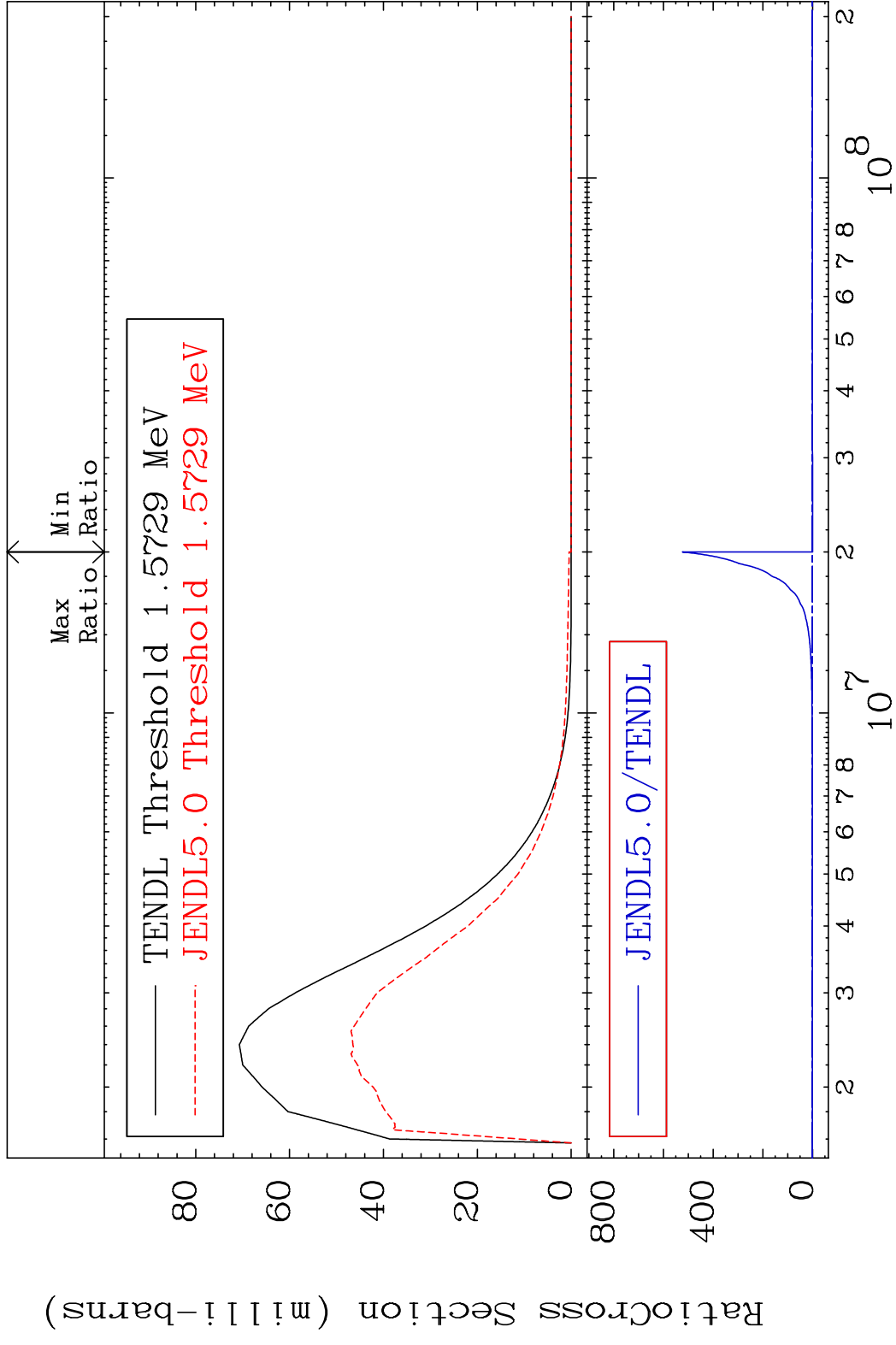


21 Incident Energy (eV) 25-Mn-54

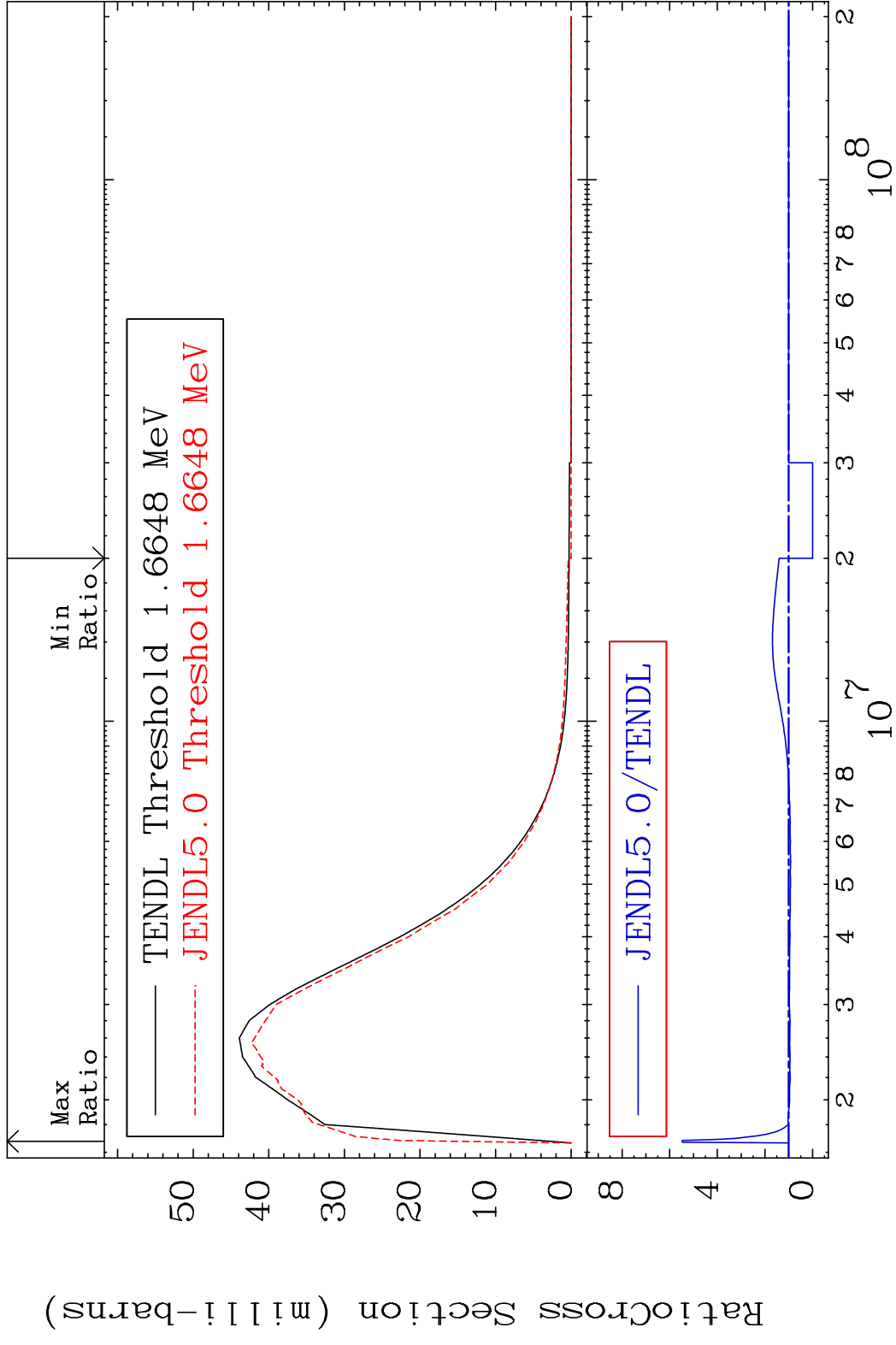
MAT 2522 MT= 63 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 85.40 %



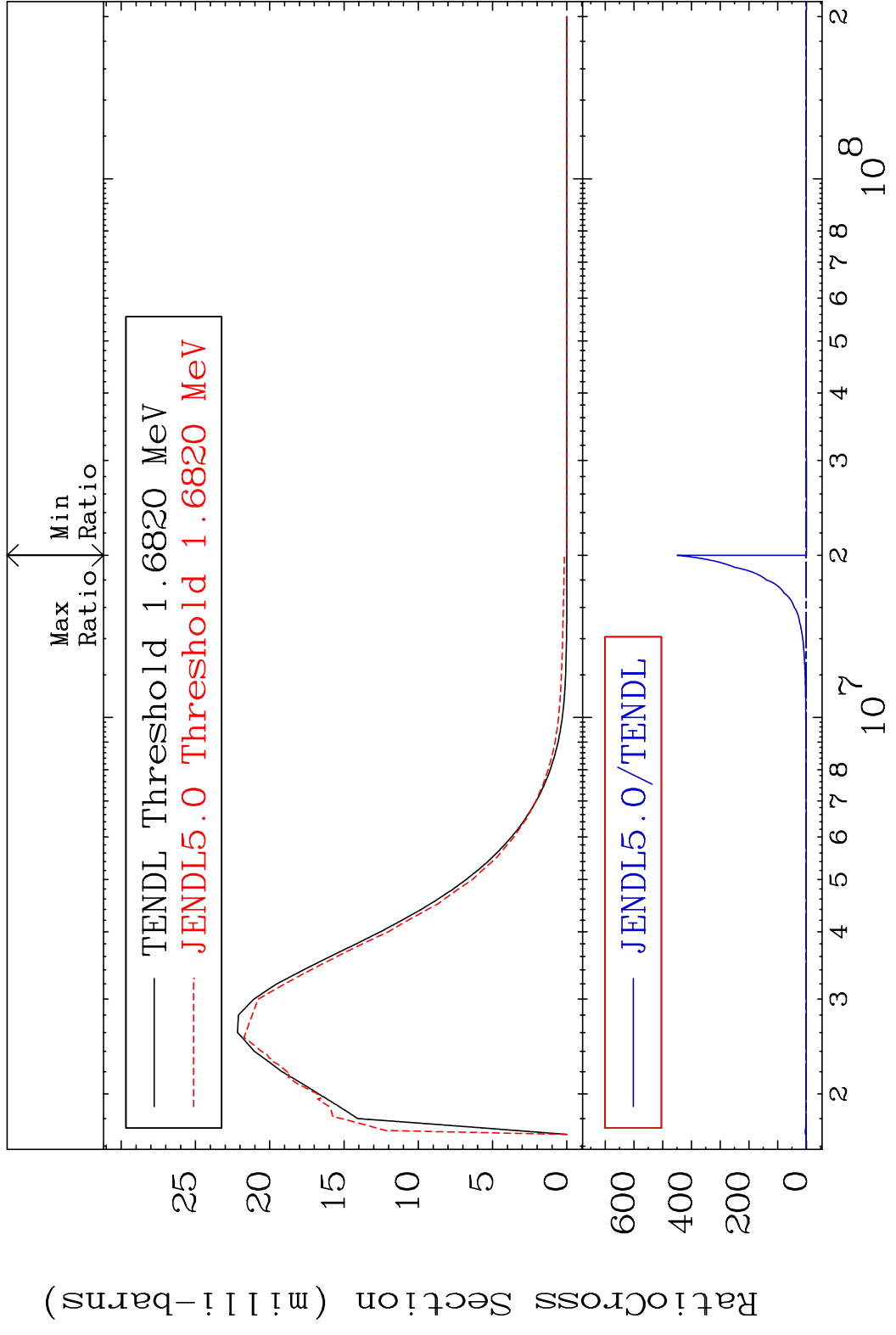
MAT 2522 MT= 64 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 MT= 65 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 446.9 %

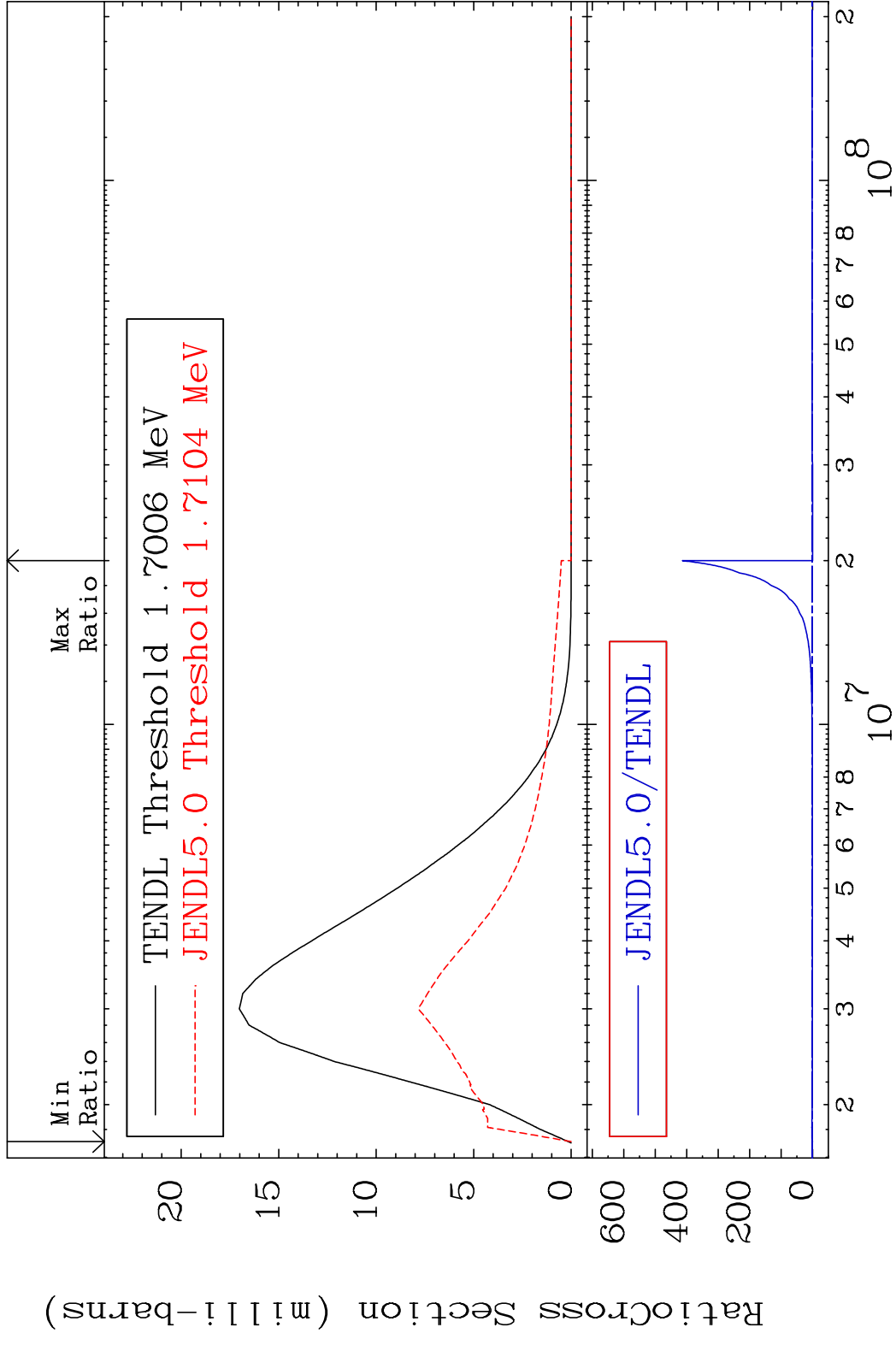


MAT 2522 MT= 66 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %

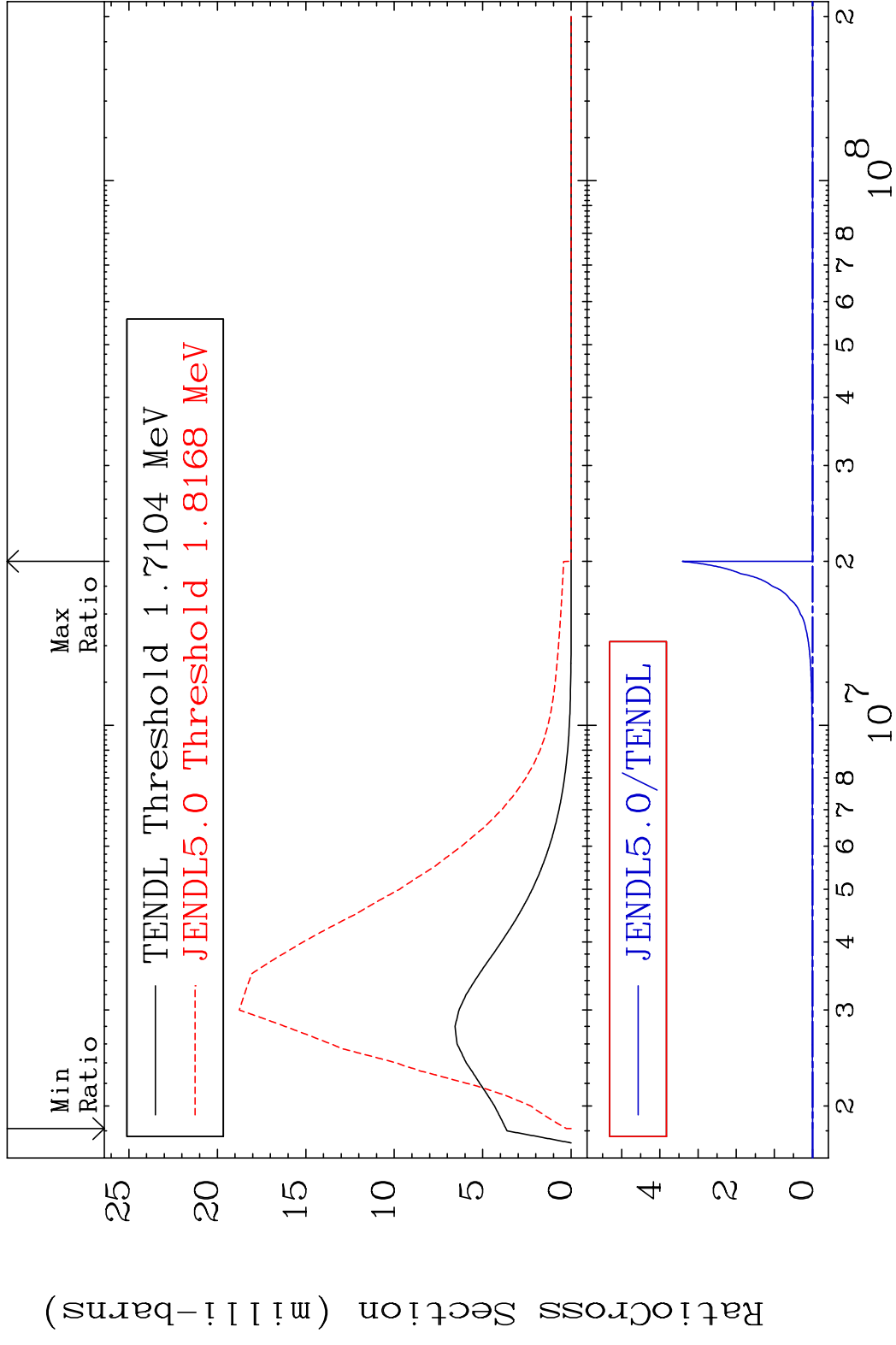


25 25-Mn-54

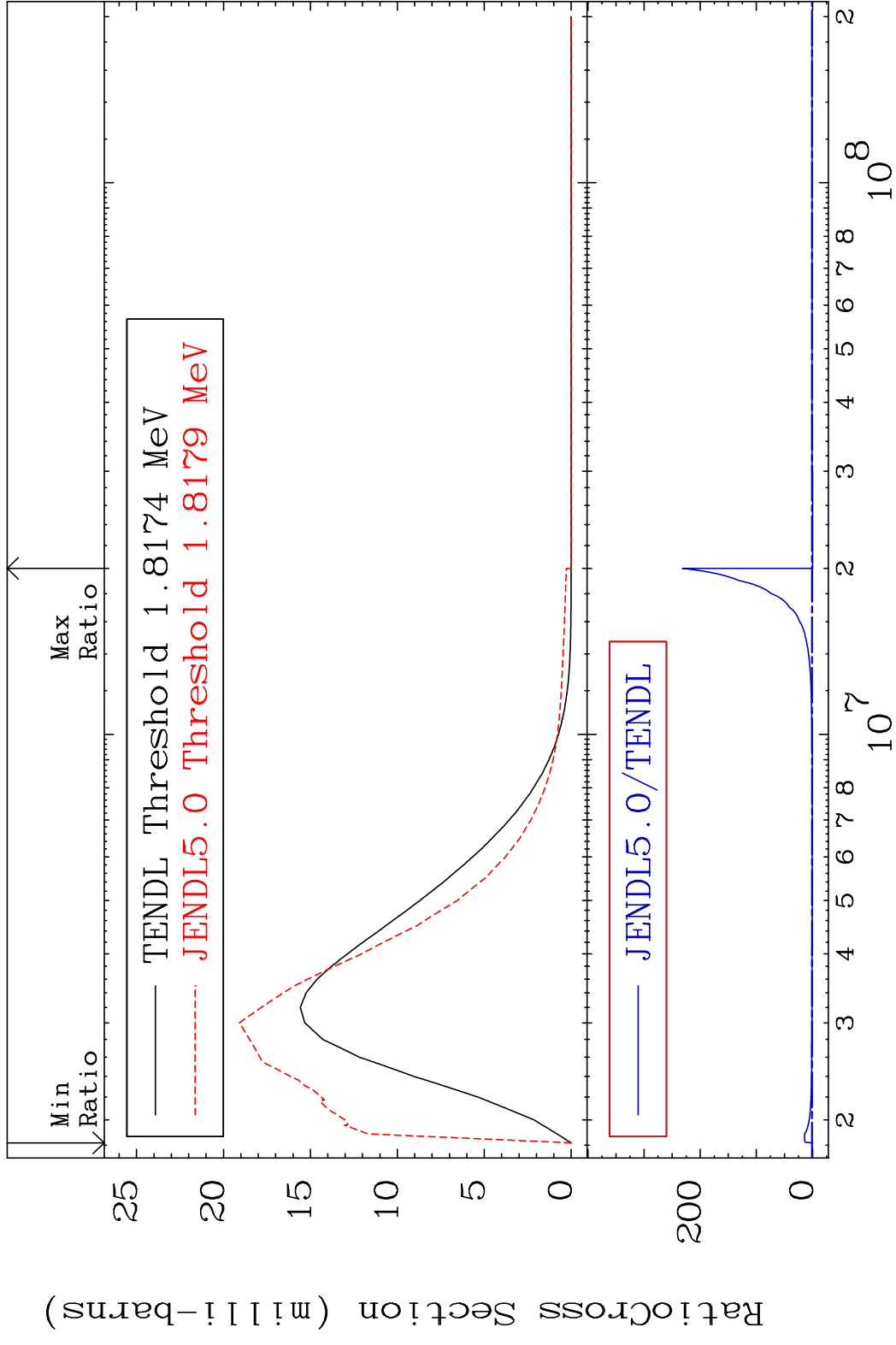
MAT 2522 MT= 67 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



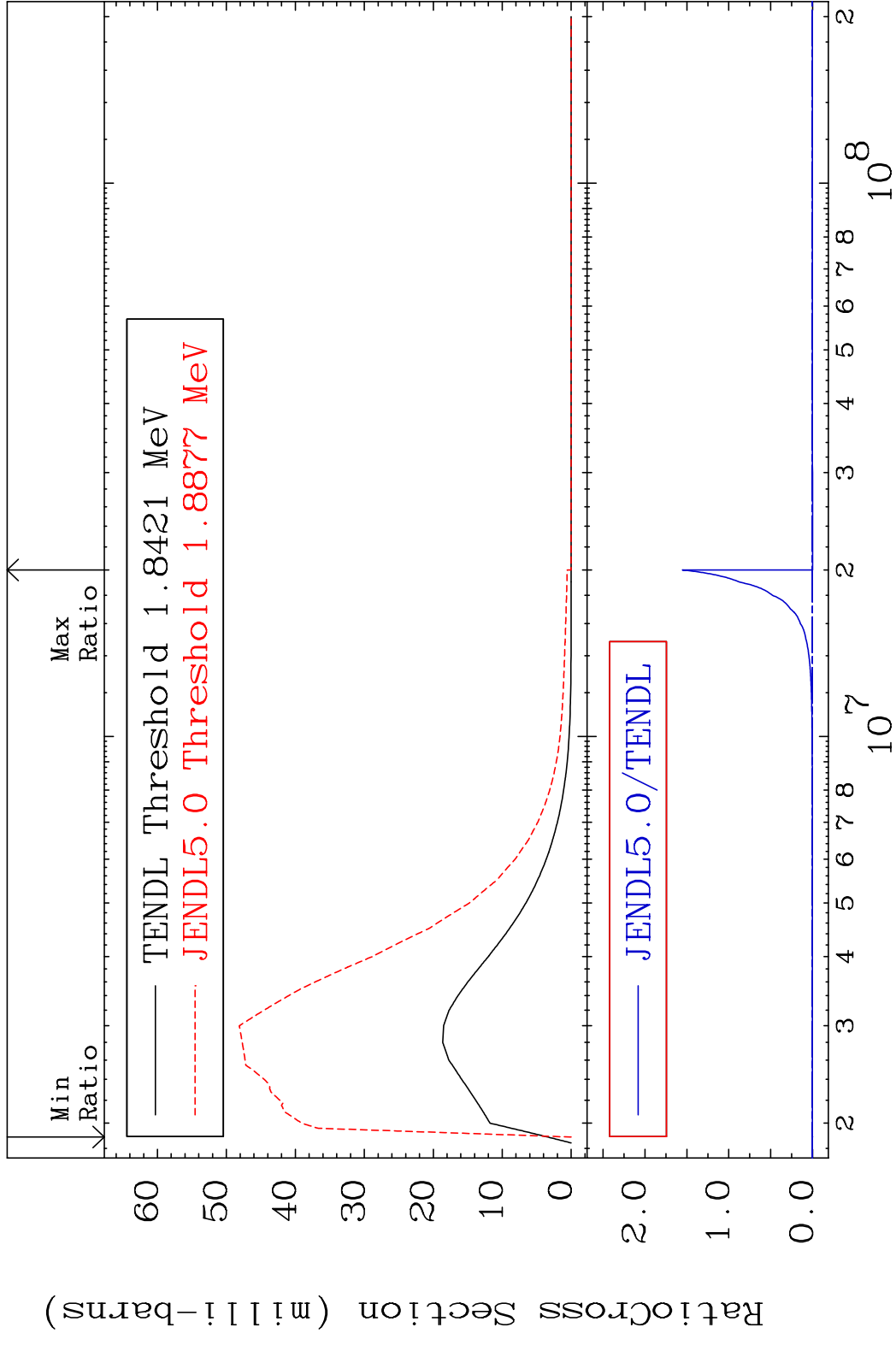
MAT 2522 MT= 68 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



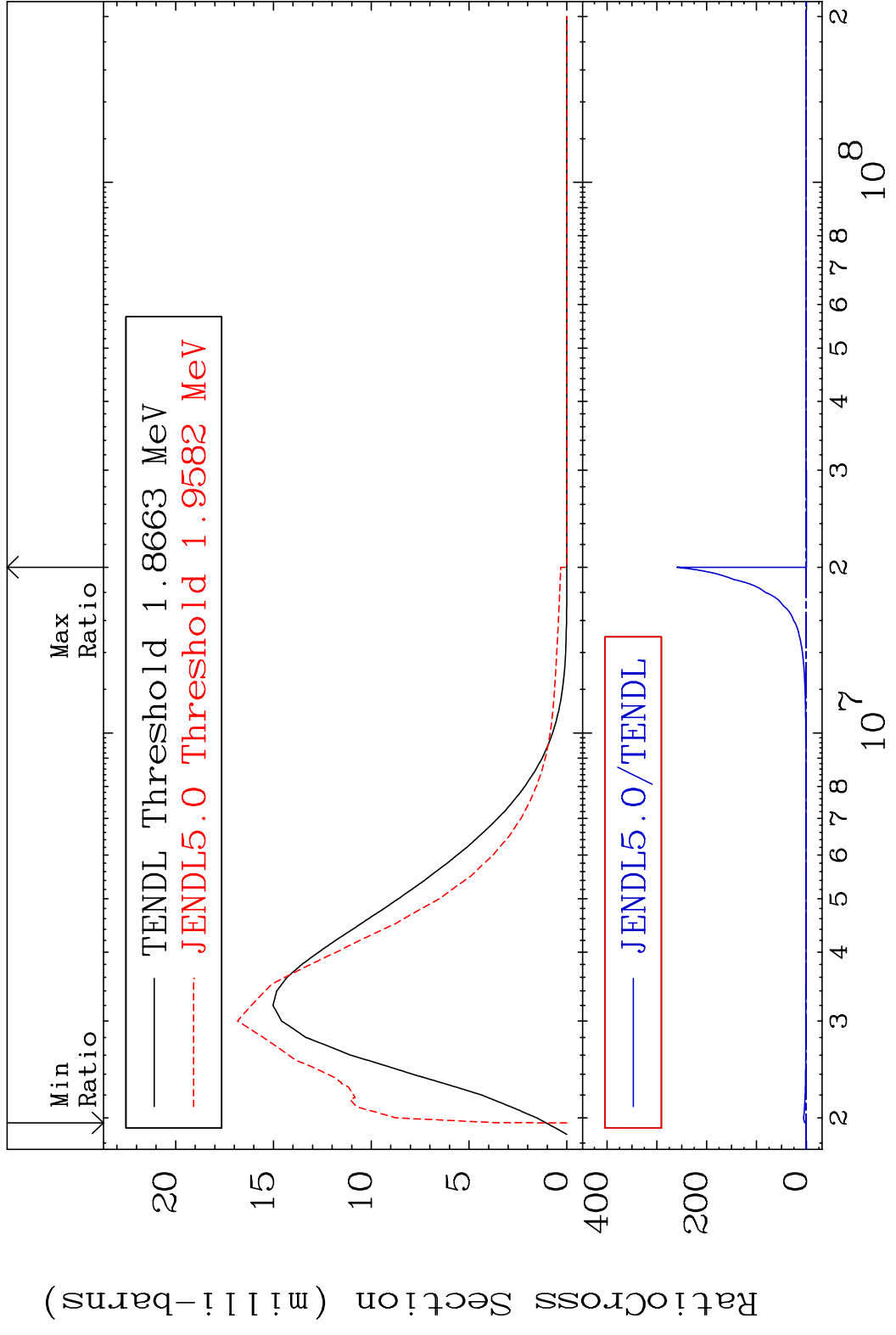
MAT 2522 MT= 69 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 MT= 70 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %

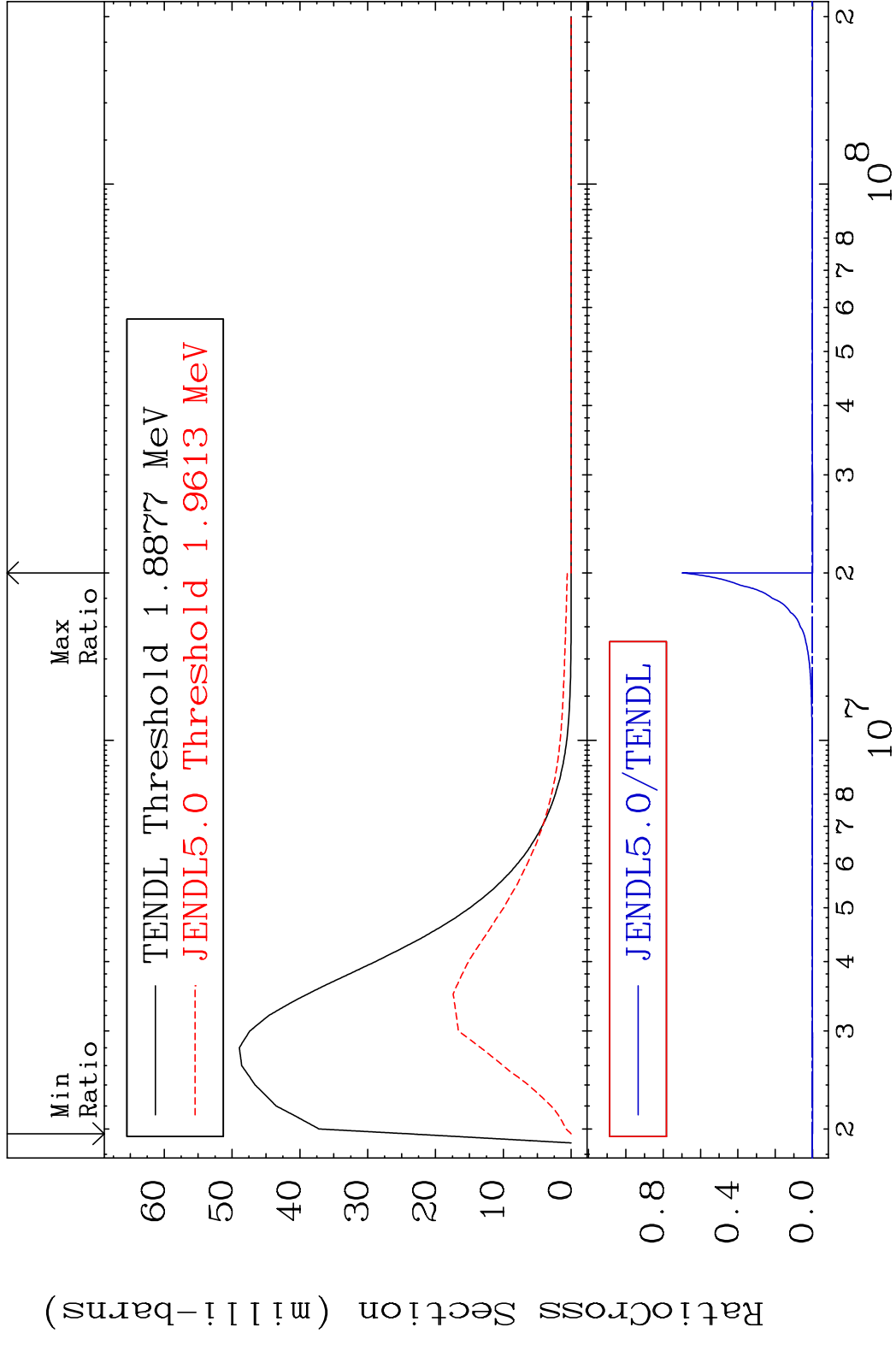


MAT 2522 MT= 71 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %

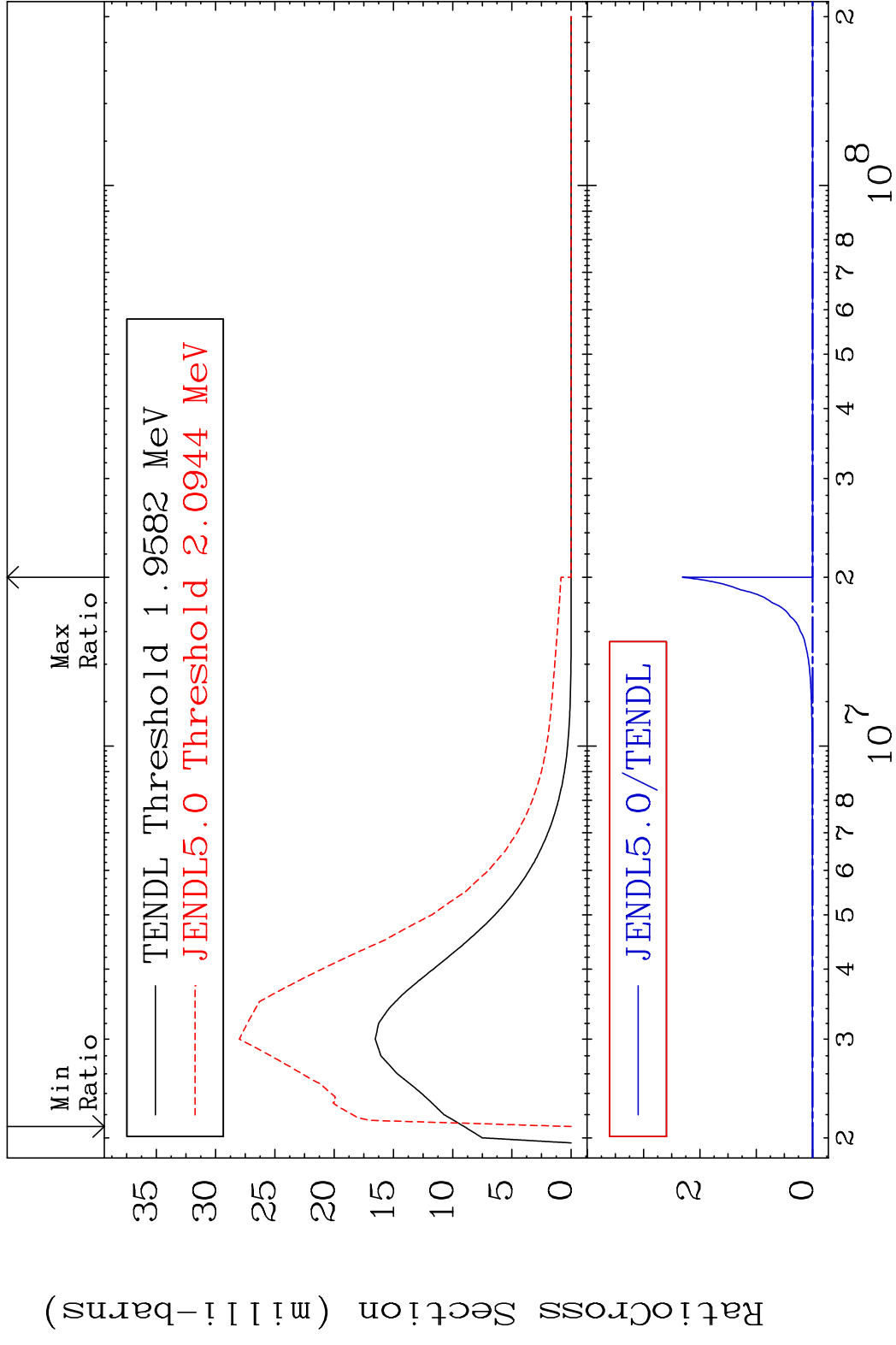


30 Incident Energy (eV) 25-Mn-54

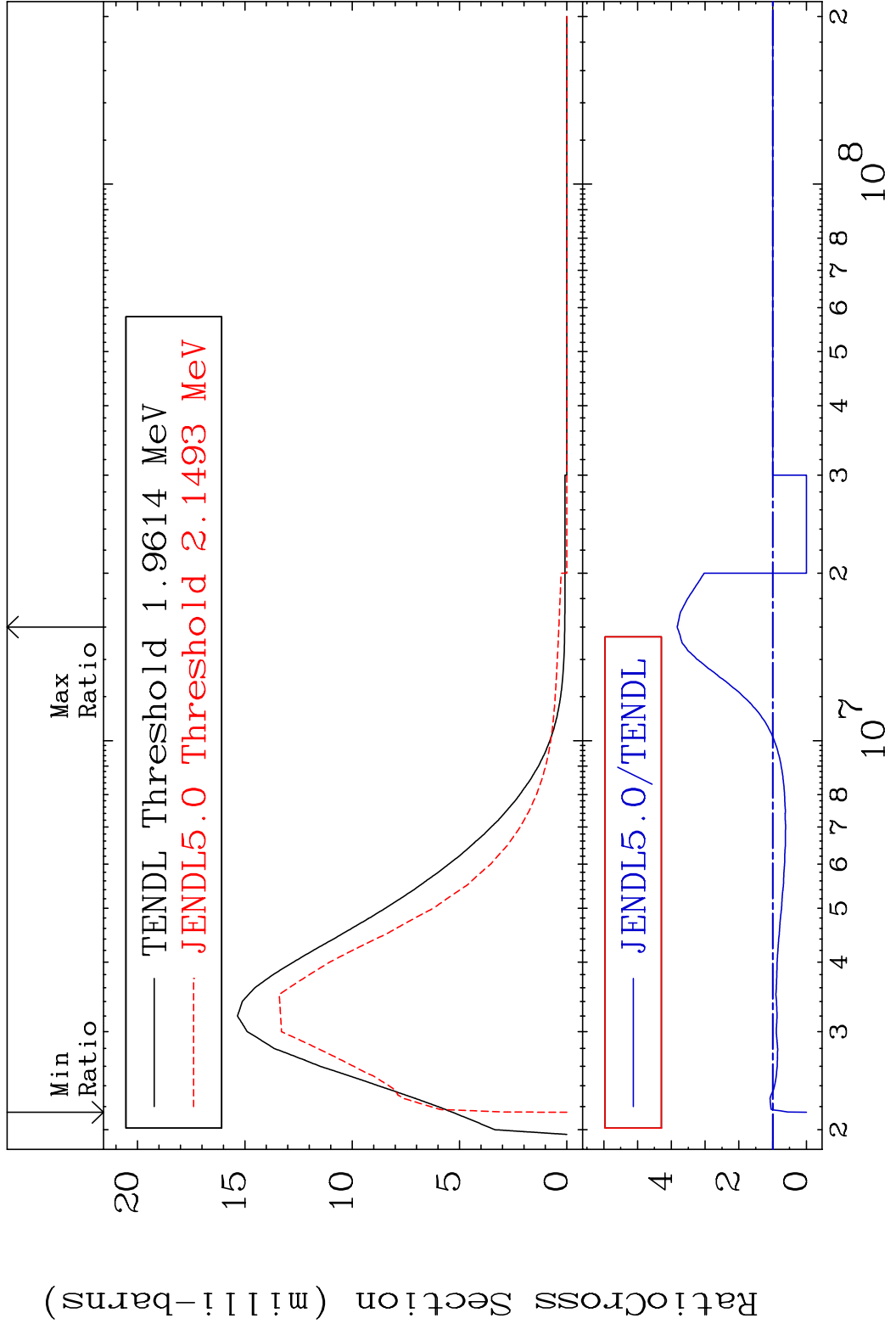
MAT 2522 MT= 72 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



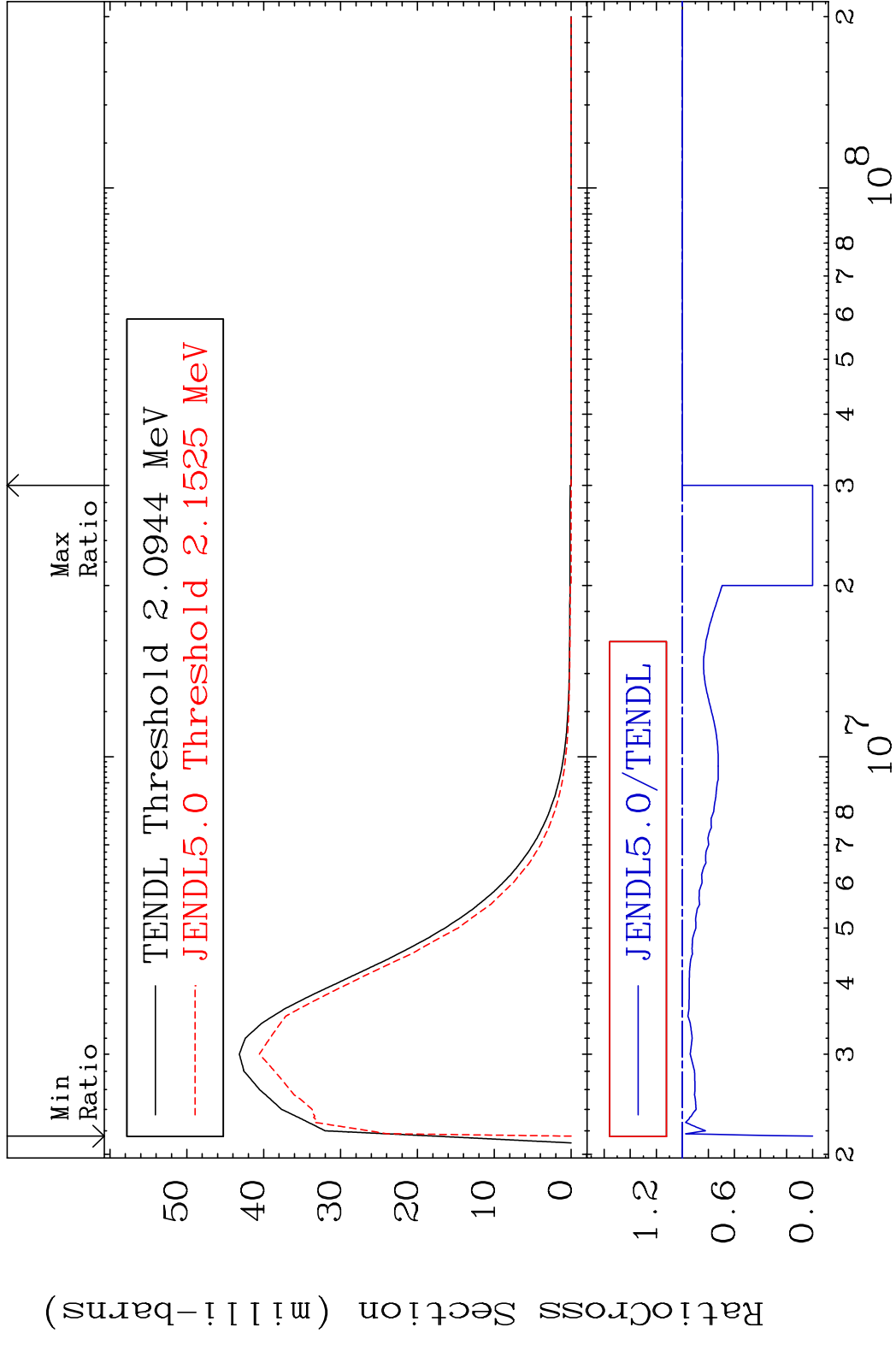
MAT 2522 MT= 73 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



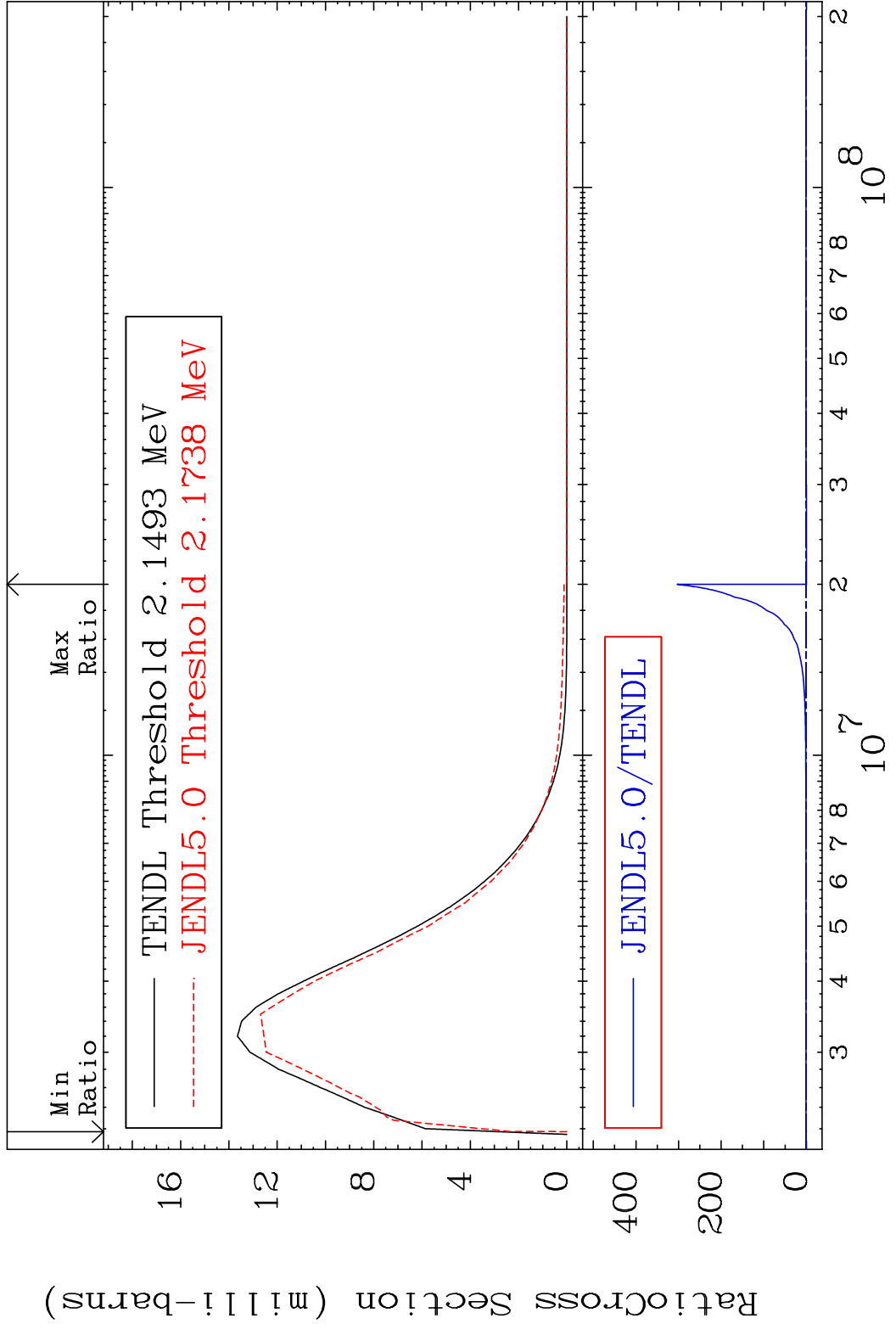
MAT 2522 MT= 74 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 282.7 %



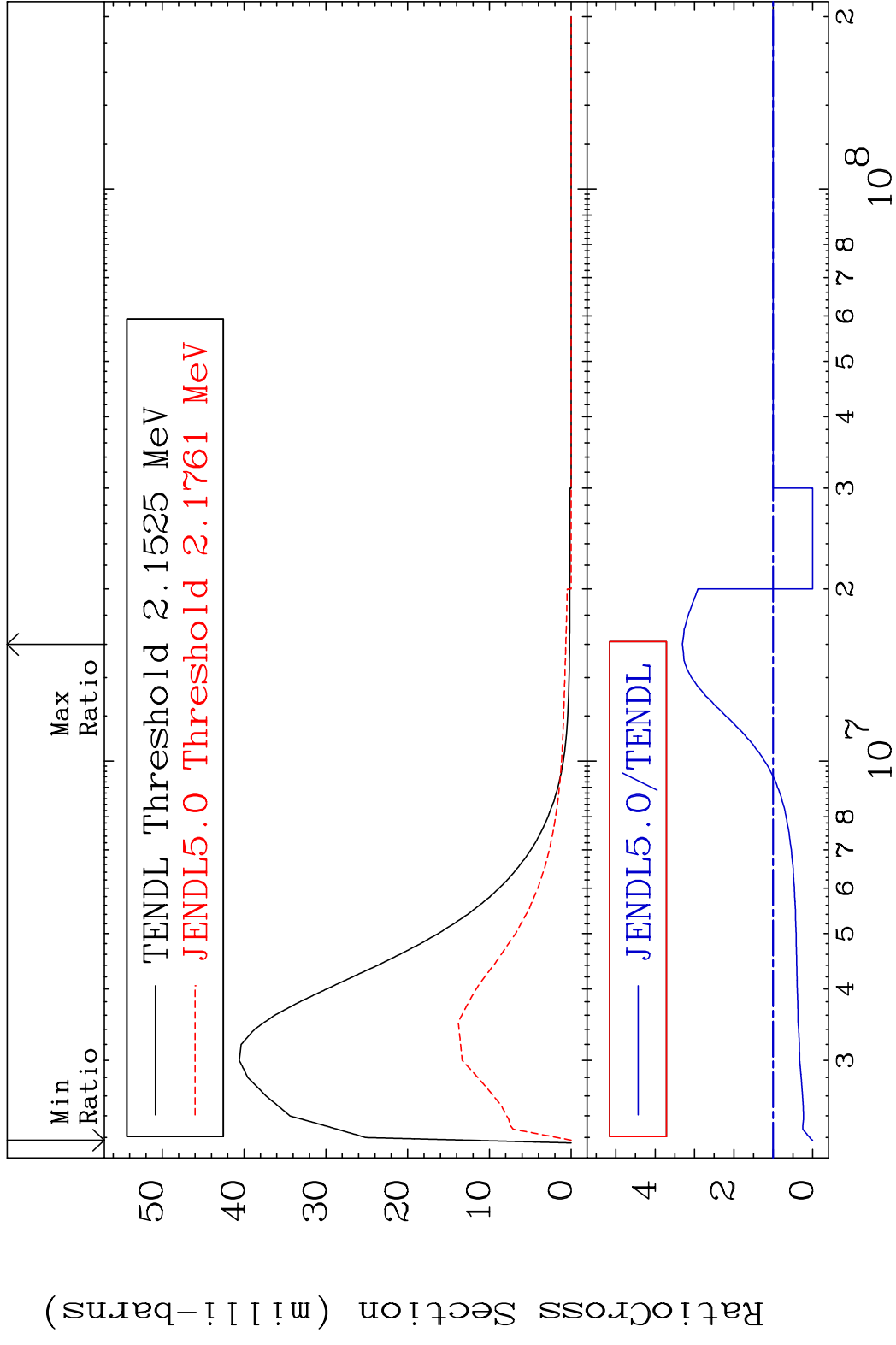
MAT 2522 MT= 75 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 0.000 %



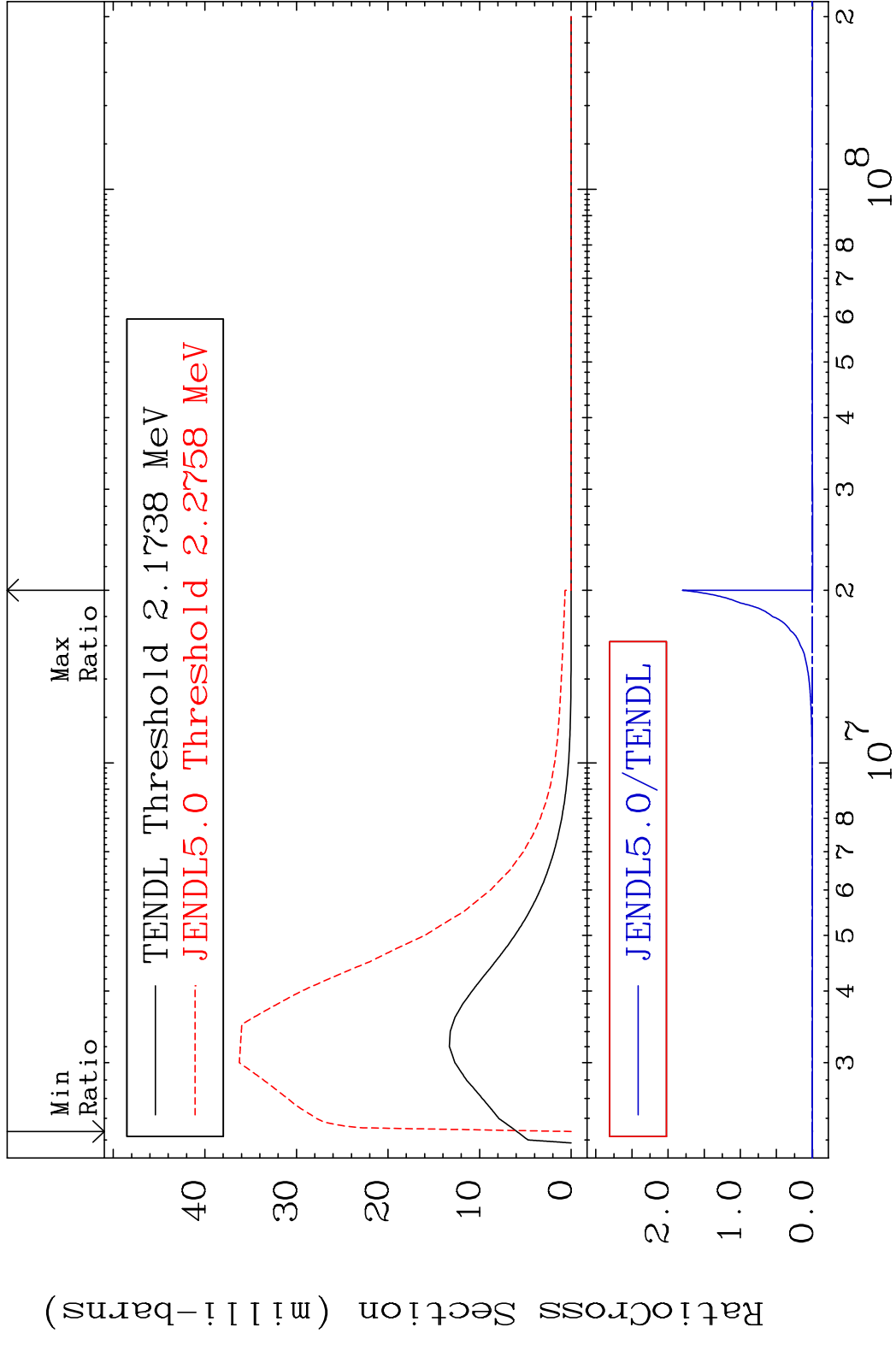
MAT 2522 MT= 76 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



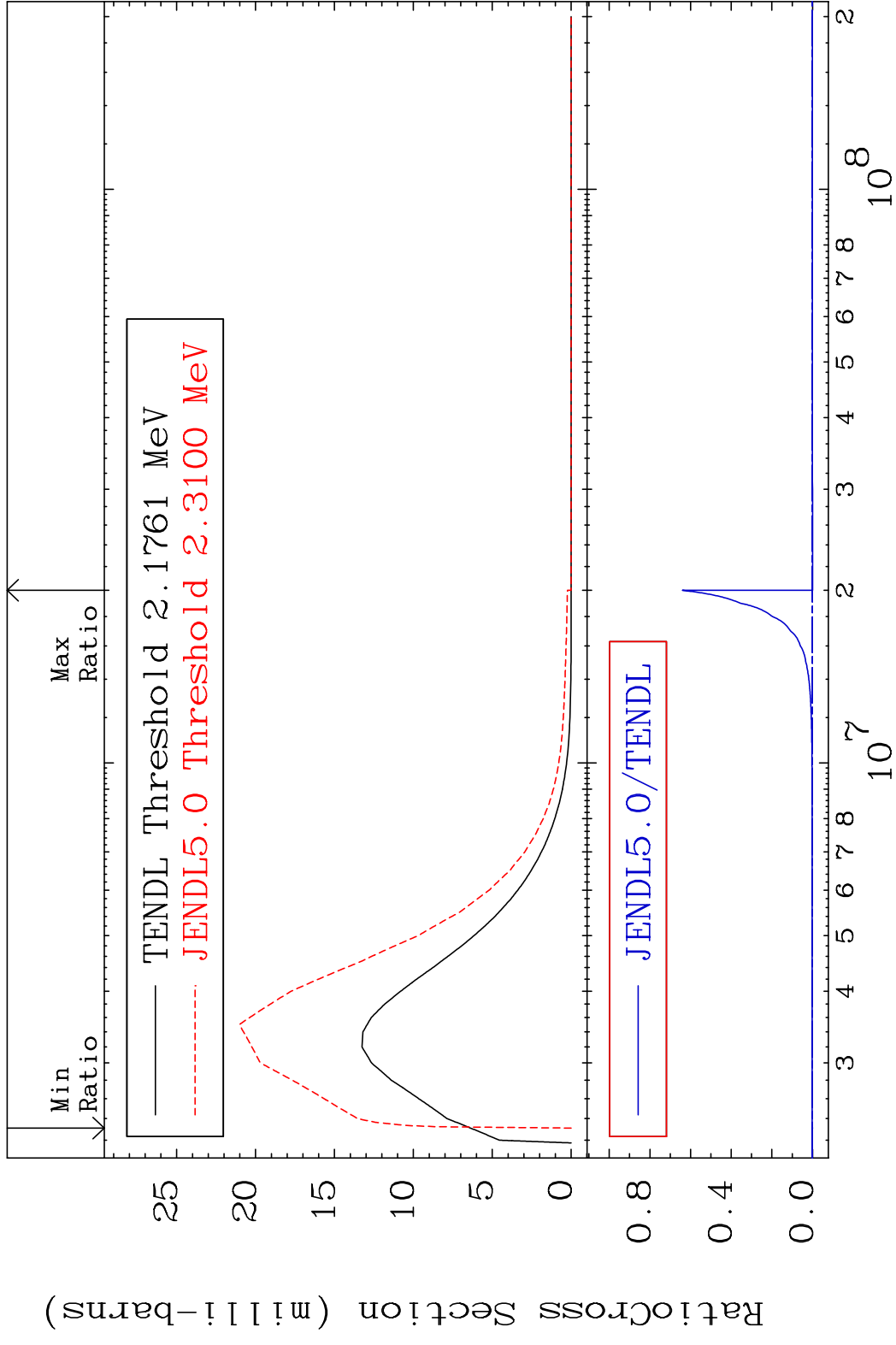
MAT 2522 MT= 77 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 230.9 %



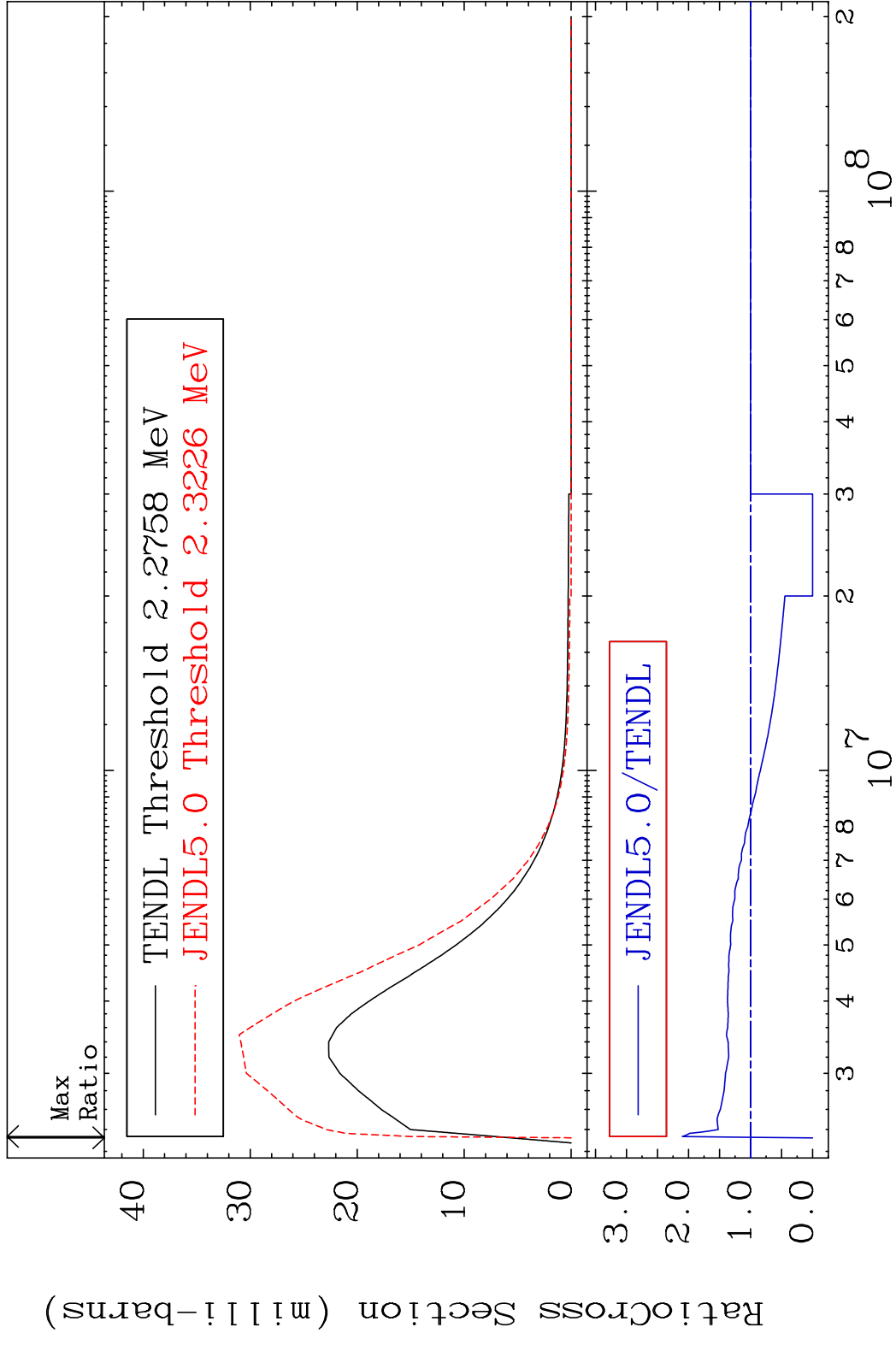
MAT 2522 MT= 78 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 MT= 79 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 MT= 80 (n, n') Level 25-Mn-54
 Cross Section -100.0 To 110.0 %

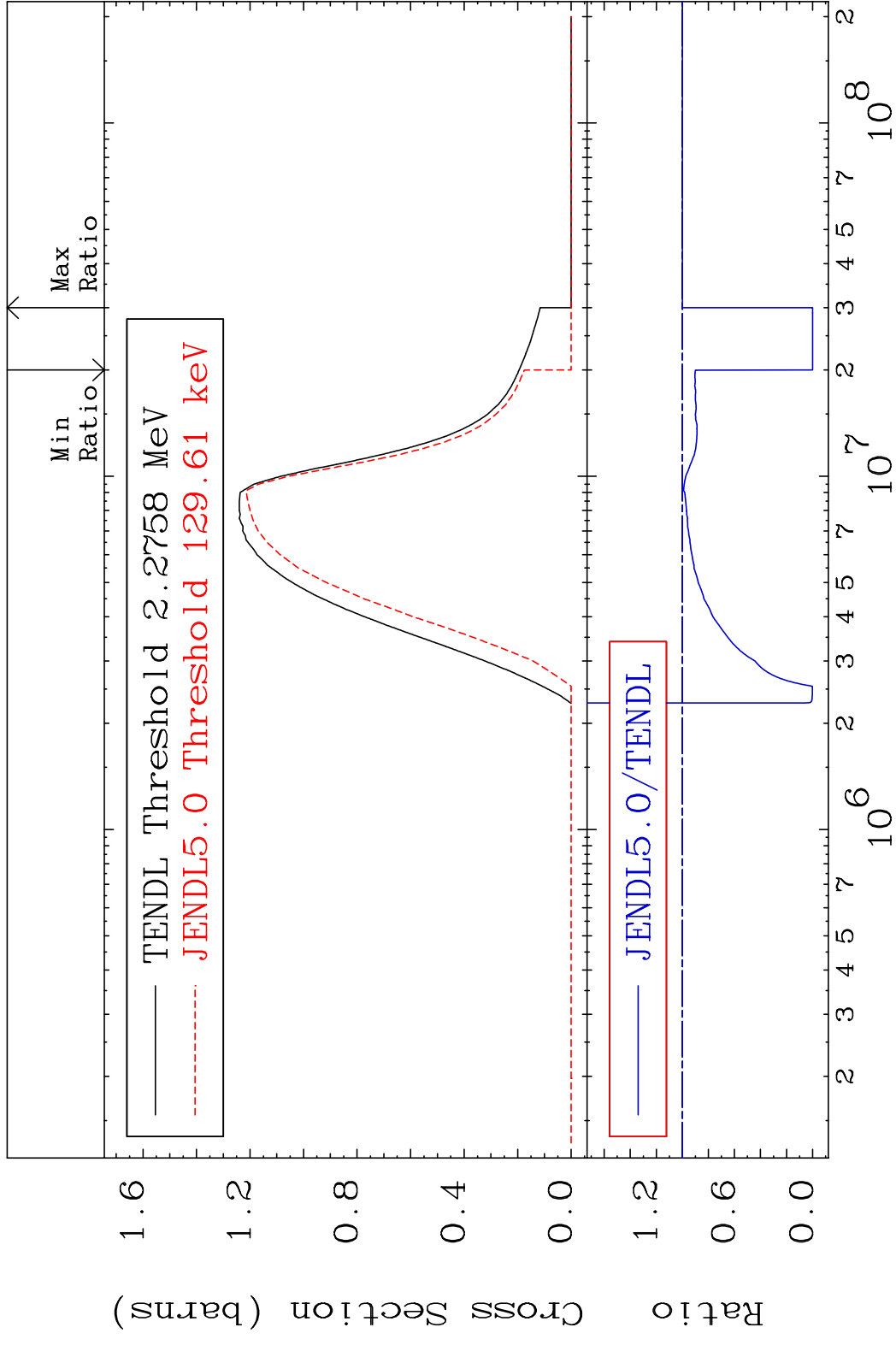


MAT 2522

(n, n') Continuum

25-Mn-54

Cross Section -100.0 To 0.000 %



40

Incident Energy (eV)

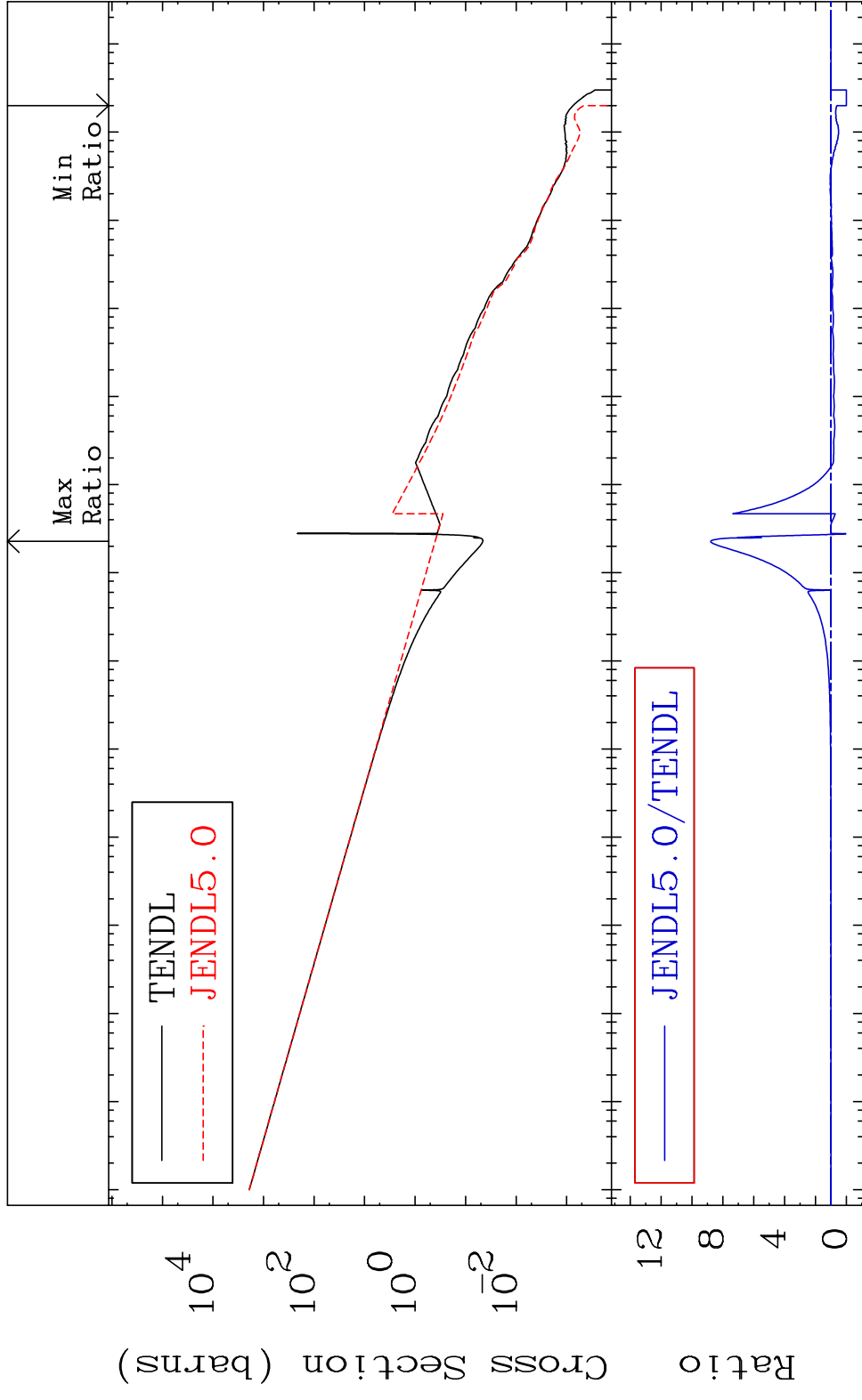
25-Mn-54

MAT 2522

(n, γ)

25-Mn-54

Cross Section -100.0 To 778.8 %



41

Incident Energy (eV)

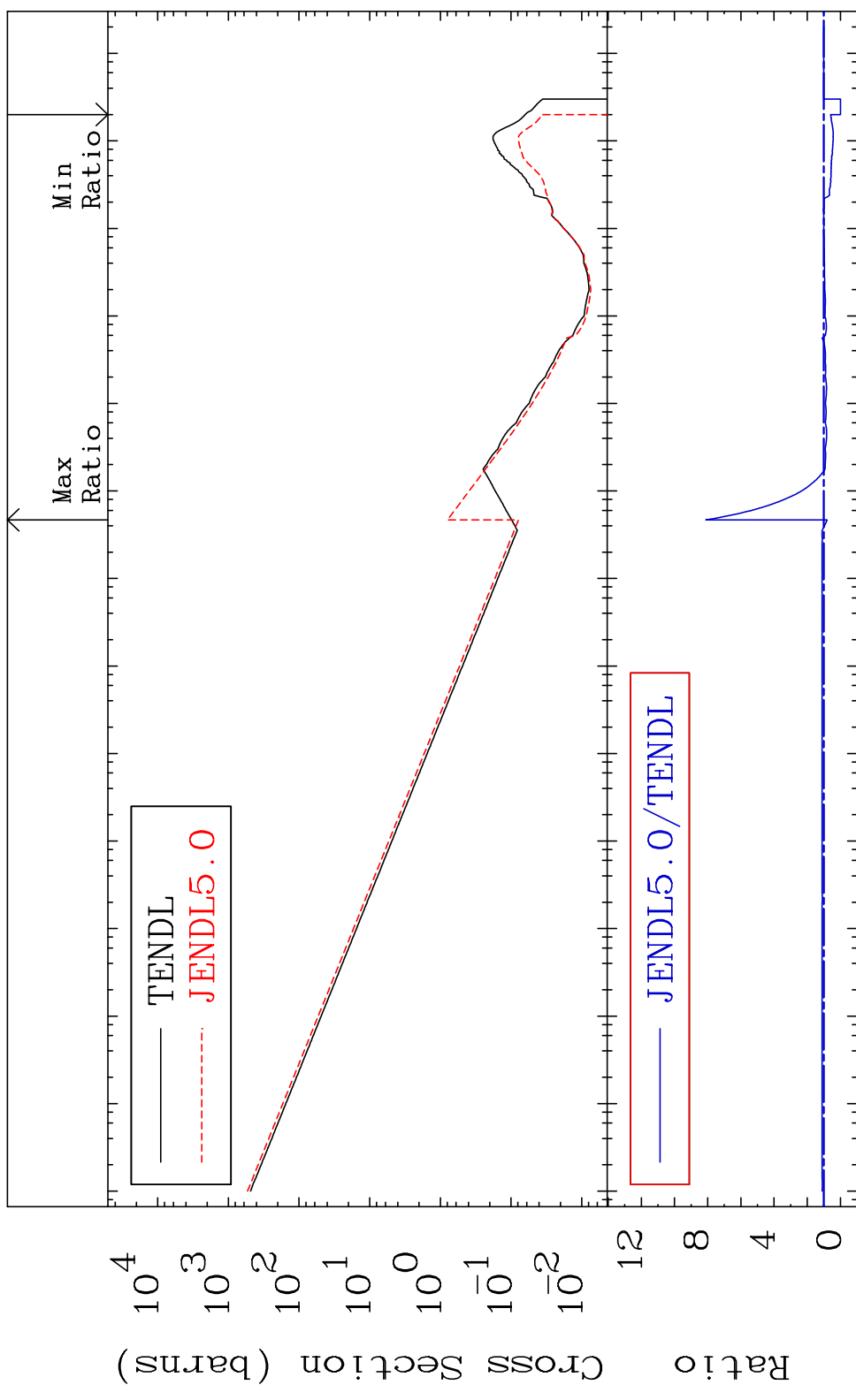
25-Mn-54

MAT 2522

(n, p)

25-Mn-54

Cross Section -100.0 To 711.6 %

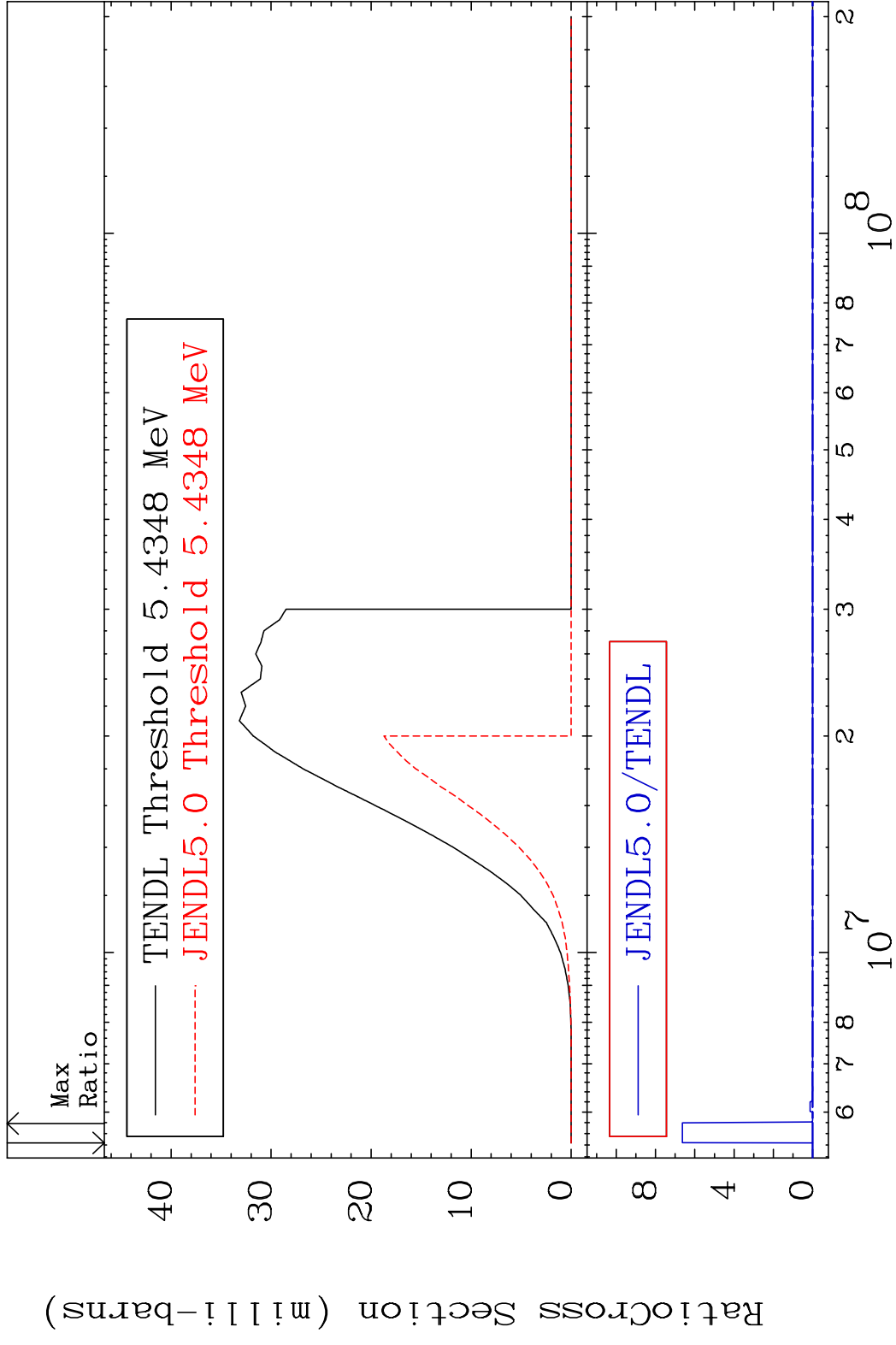


42

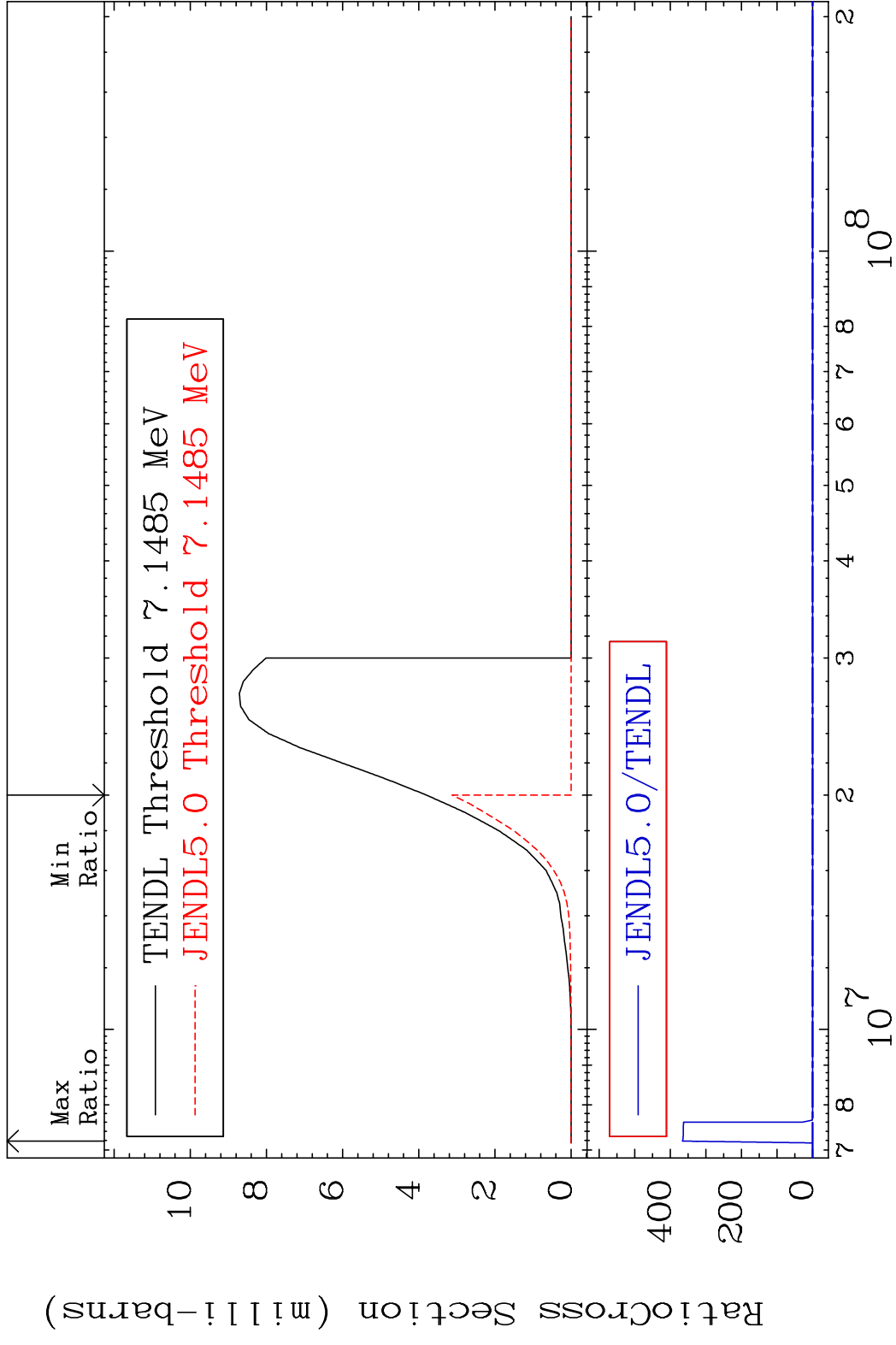
Incident Energy (eV)

25-Mn-54

MAT 2522 (n,d) 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 (n, t) 25-Mn-54
 Cross Section -100.0 To 9999. %



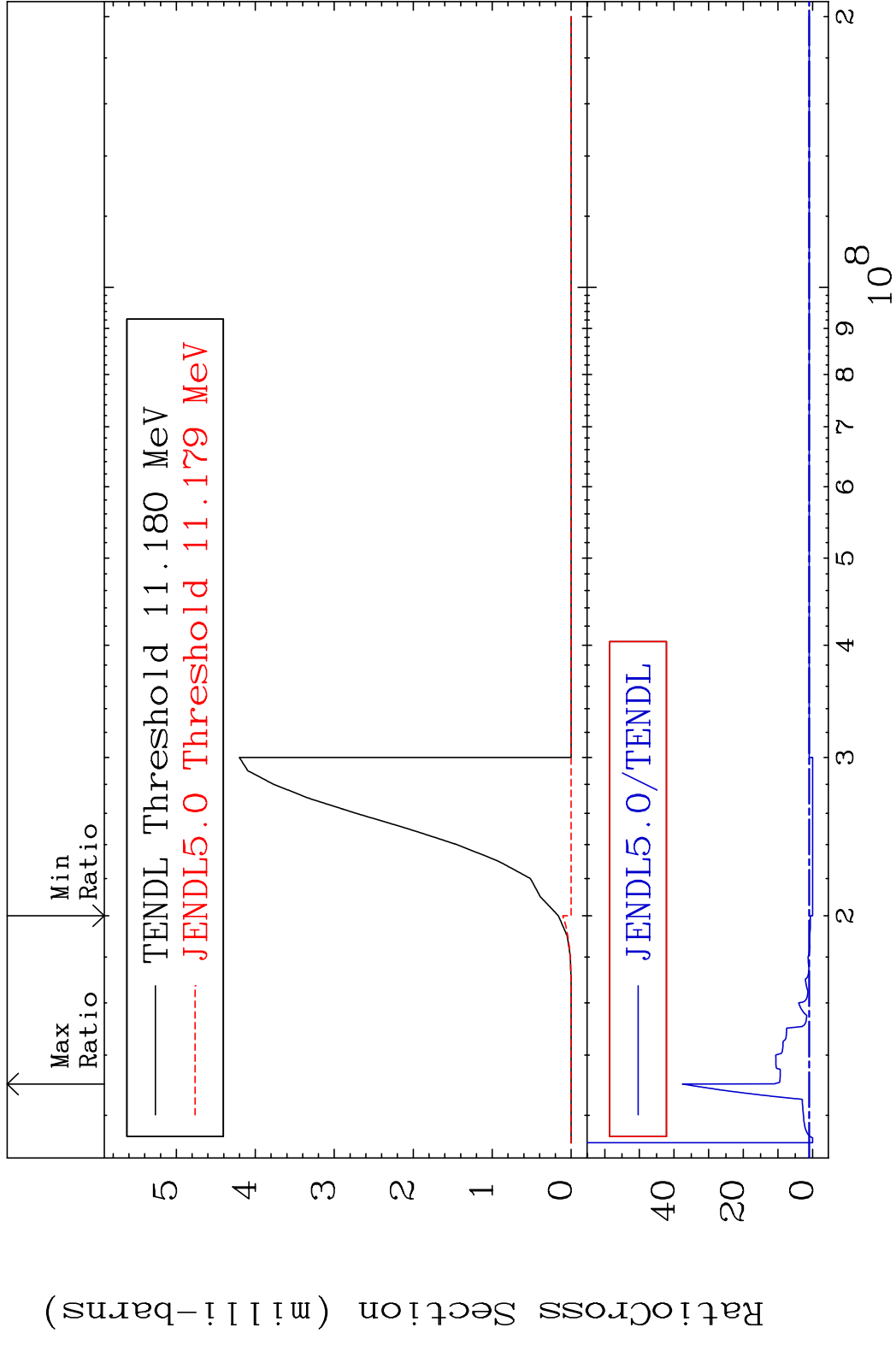
44 25-Mn-54

MAT 2522

(n, He-3)

25-Mn-54

Cross Section -100.0 To 3659. %



45

Incident Energy (eV)

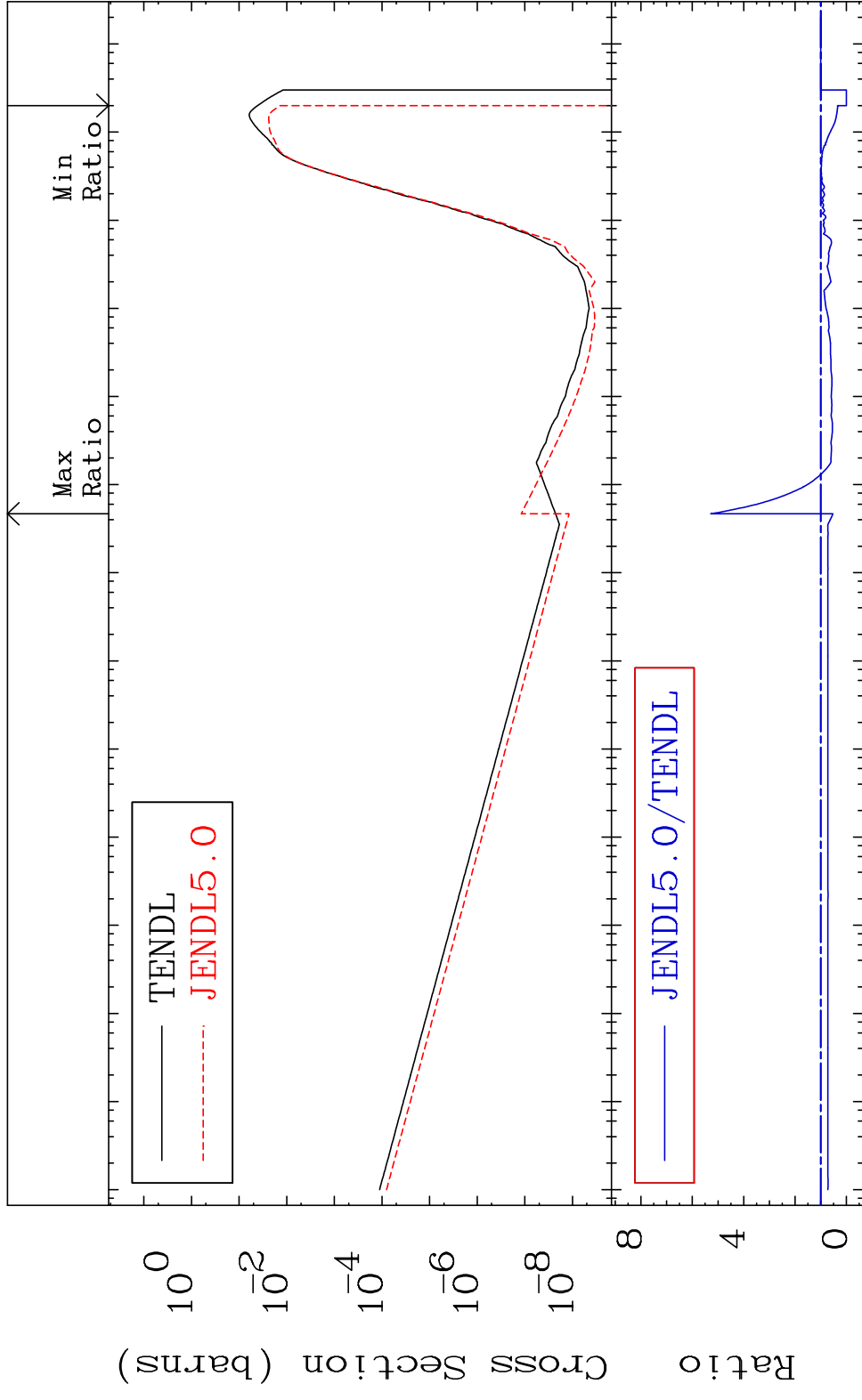
25-Mn-54

MAT 2522

(n, α)

25-Mn-54

Cross Section -100.0 To 428.4 %

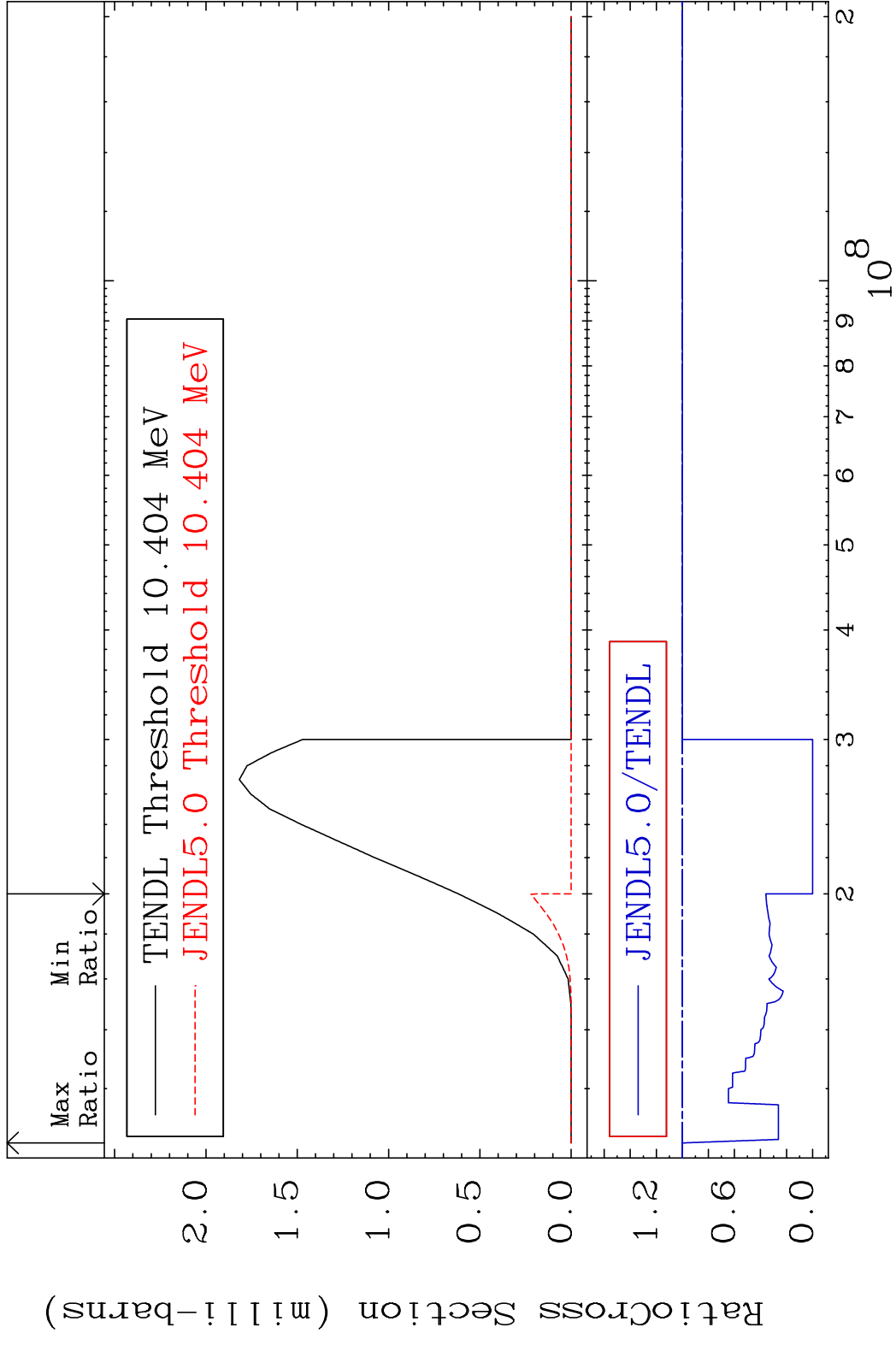


46

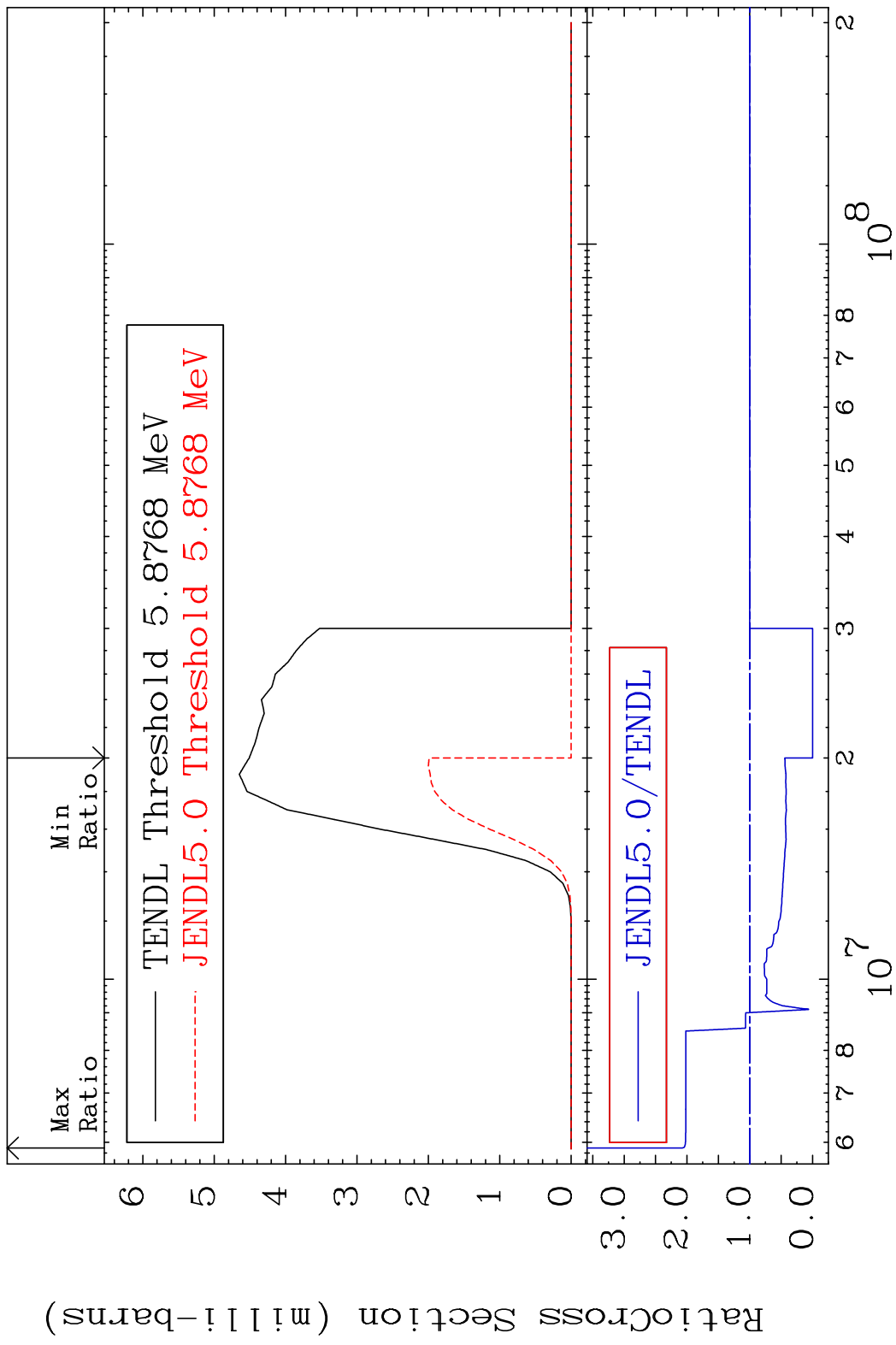
Incident Energy (eV)

25-Mn-54

MAT 2522 (n,2p) 25-Mn-54
 Cross Section -100.0 To 0.000 %



MAT 2522 (n,p) α 25-Mn-54
 Cross Section -100.0 To 107.3 %

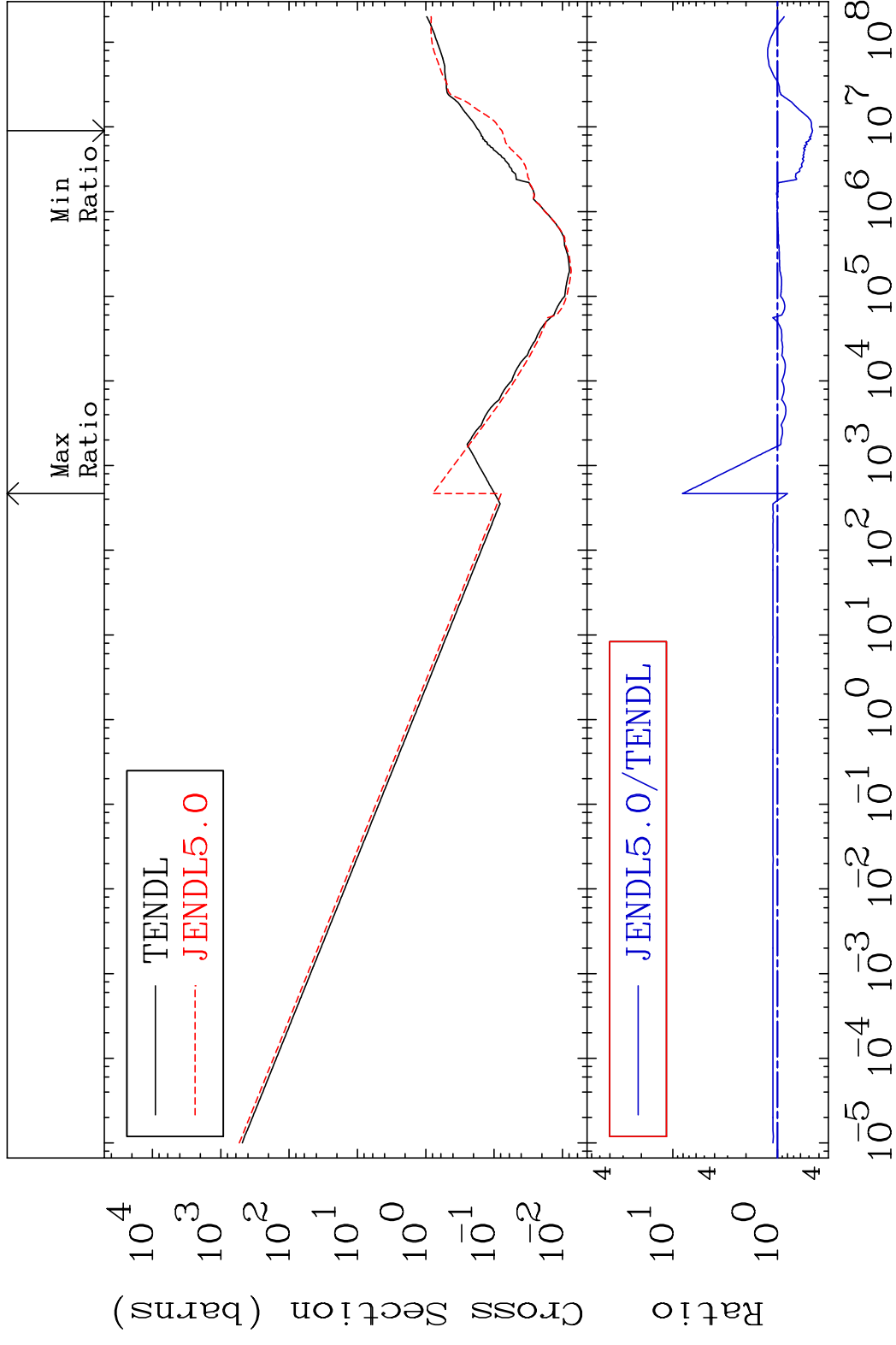


48 Incident Energy (eV) 25-Mn-54

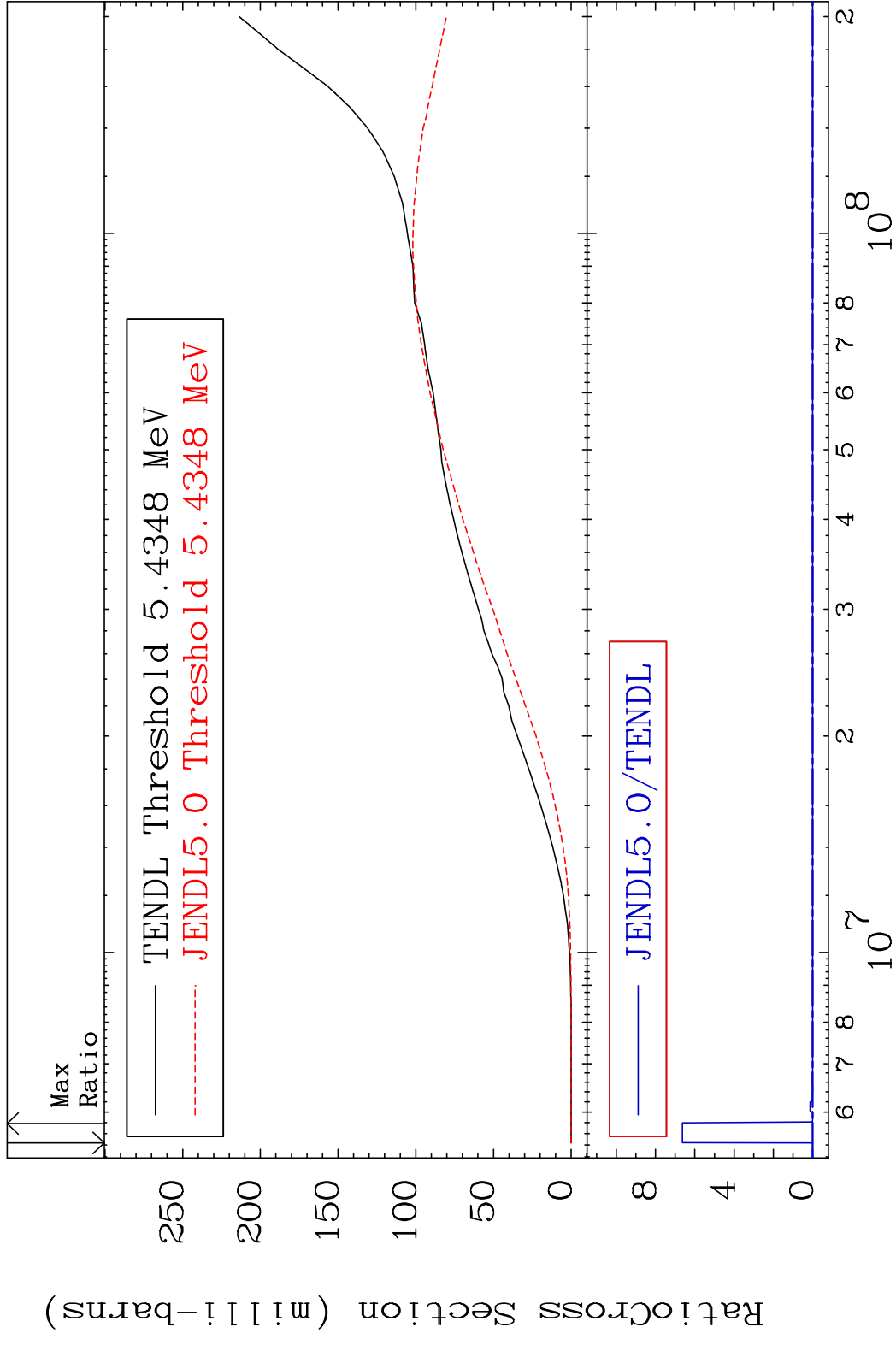
MAT 2522

Hydrogen Production
Cross Section

25-Mn-54
-53.91 To 711.6 %

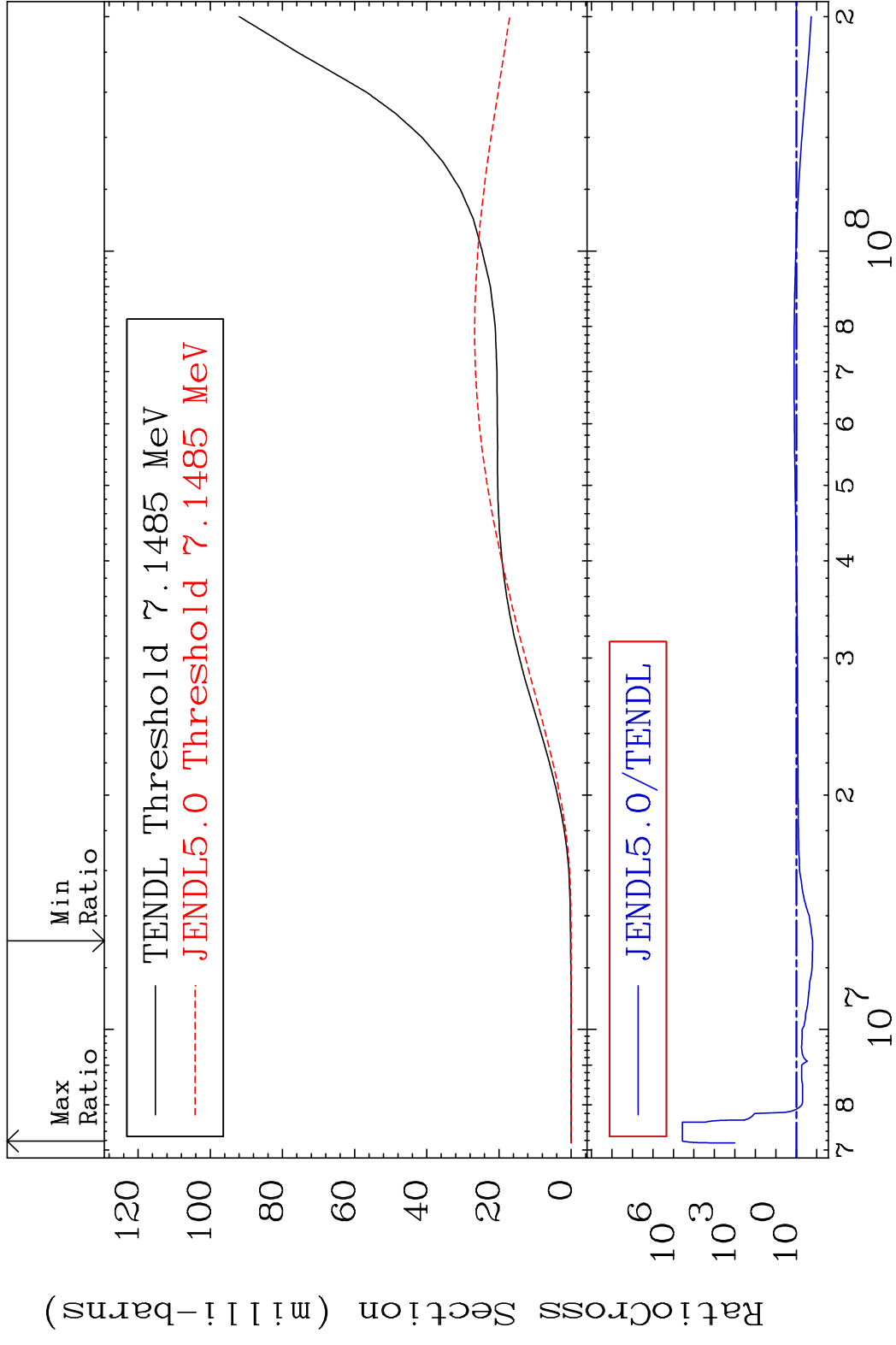


MAT 2522 Deuterium Production 25-Mn-54
 Cross Section -100.0 To 9999. %



50 25-Mn-54

MAT 2522 Tritium Production 25-Mn-54
 Cross Section -83.88 To 9999. %

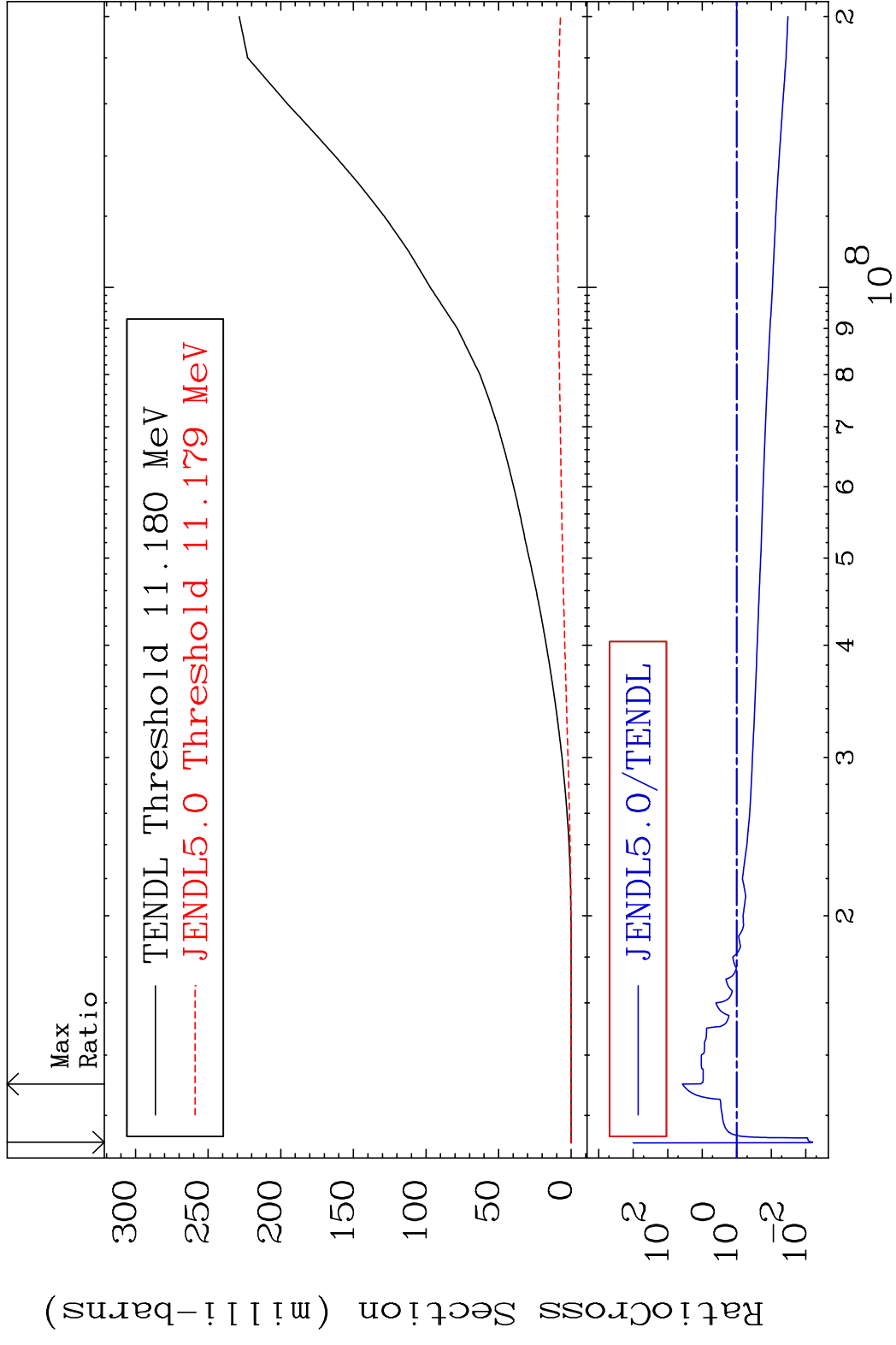


MAT 2522

He-3 Production

25-Mn-54

Cross Section -99.36 To 3659. %

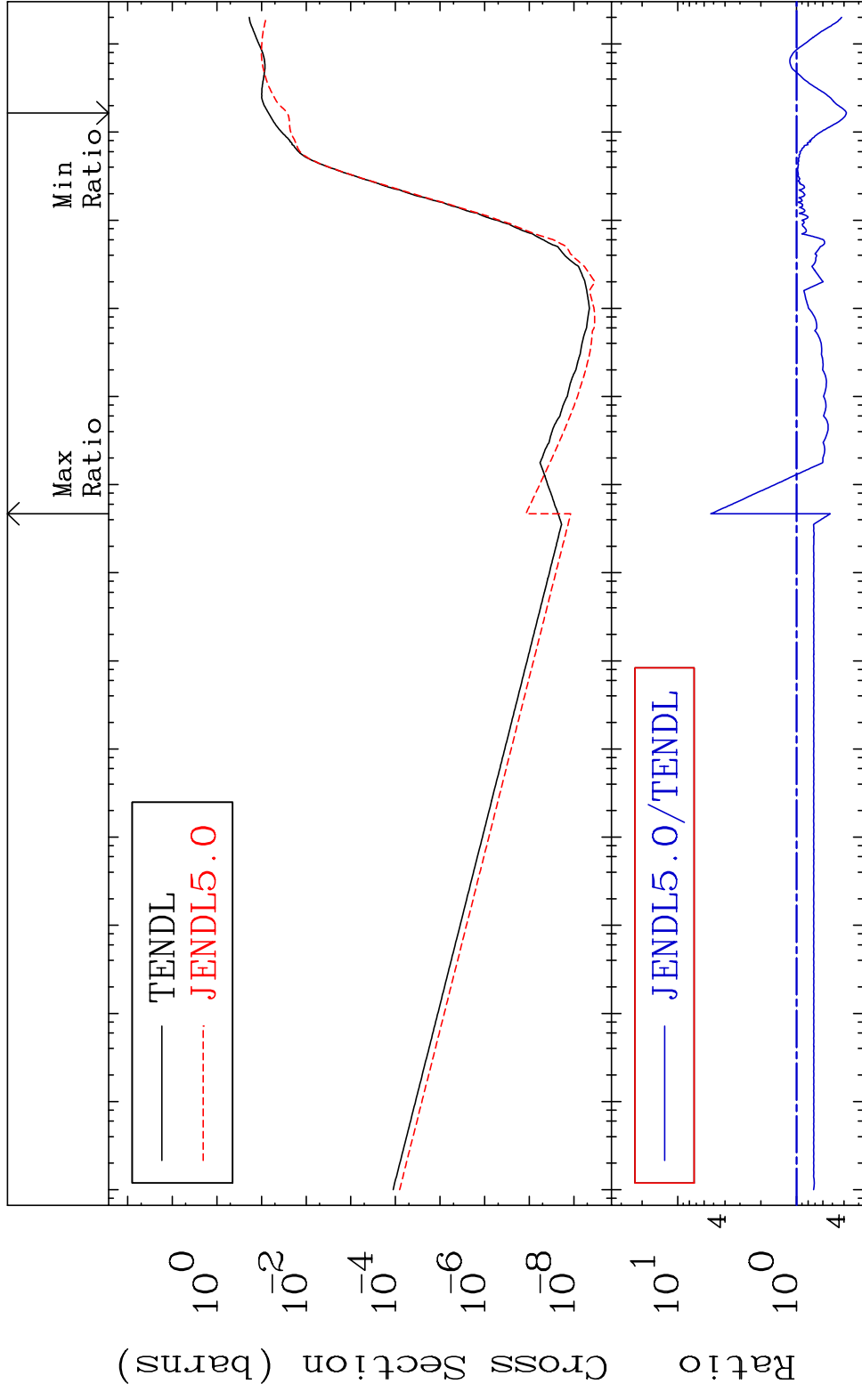


MAT 2522

He-4 Production

25-Mn-54

Cross Section -61.84 To 428.4 %

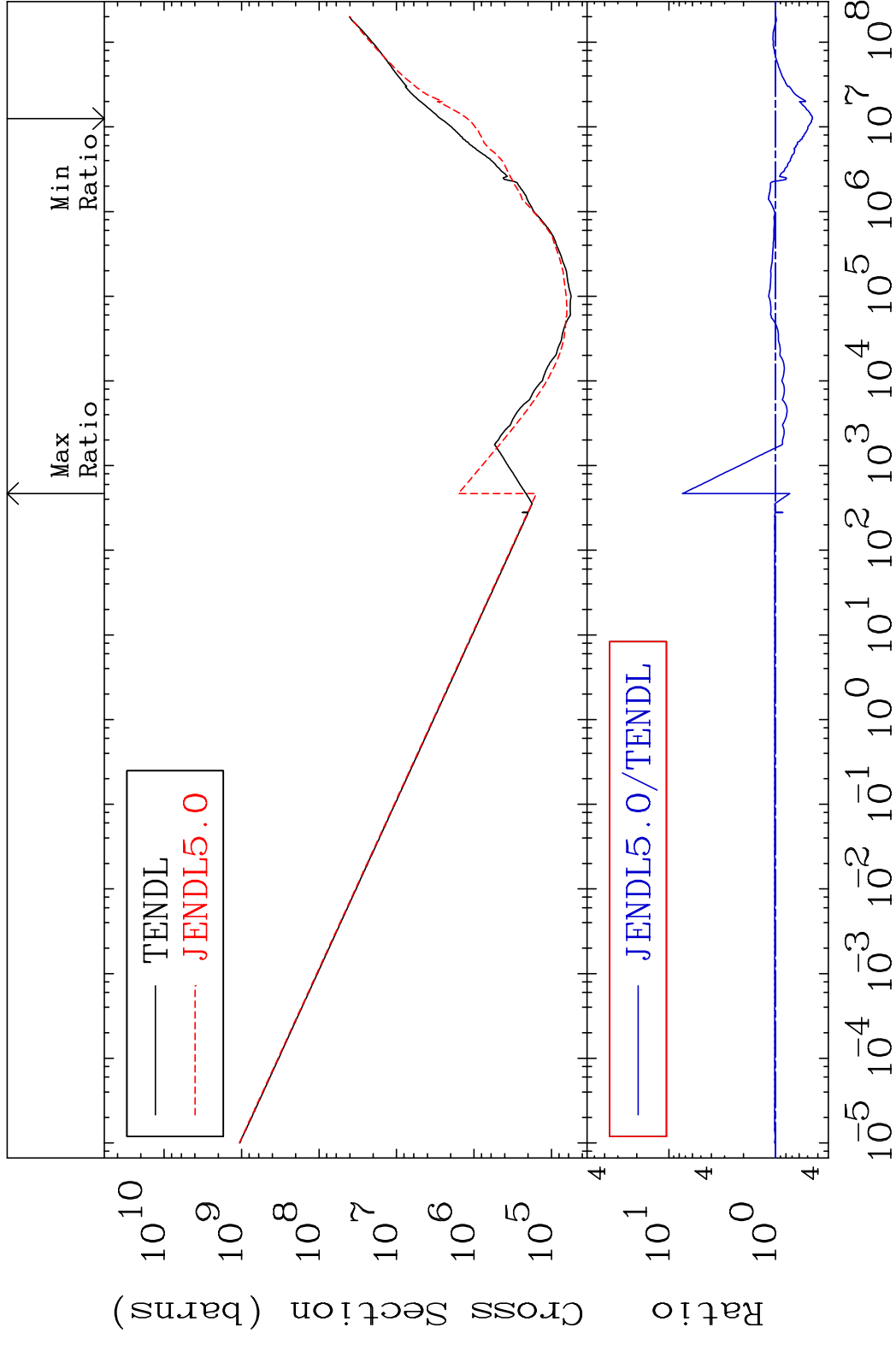


MAT 2522

Kerma total (eV-barns)

25-Mn-54

Cross Section -55.05 To 647.2 %



54

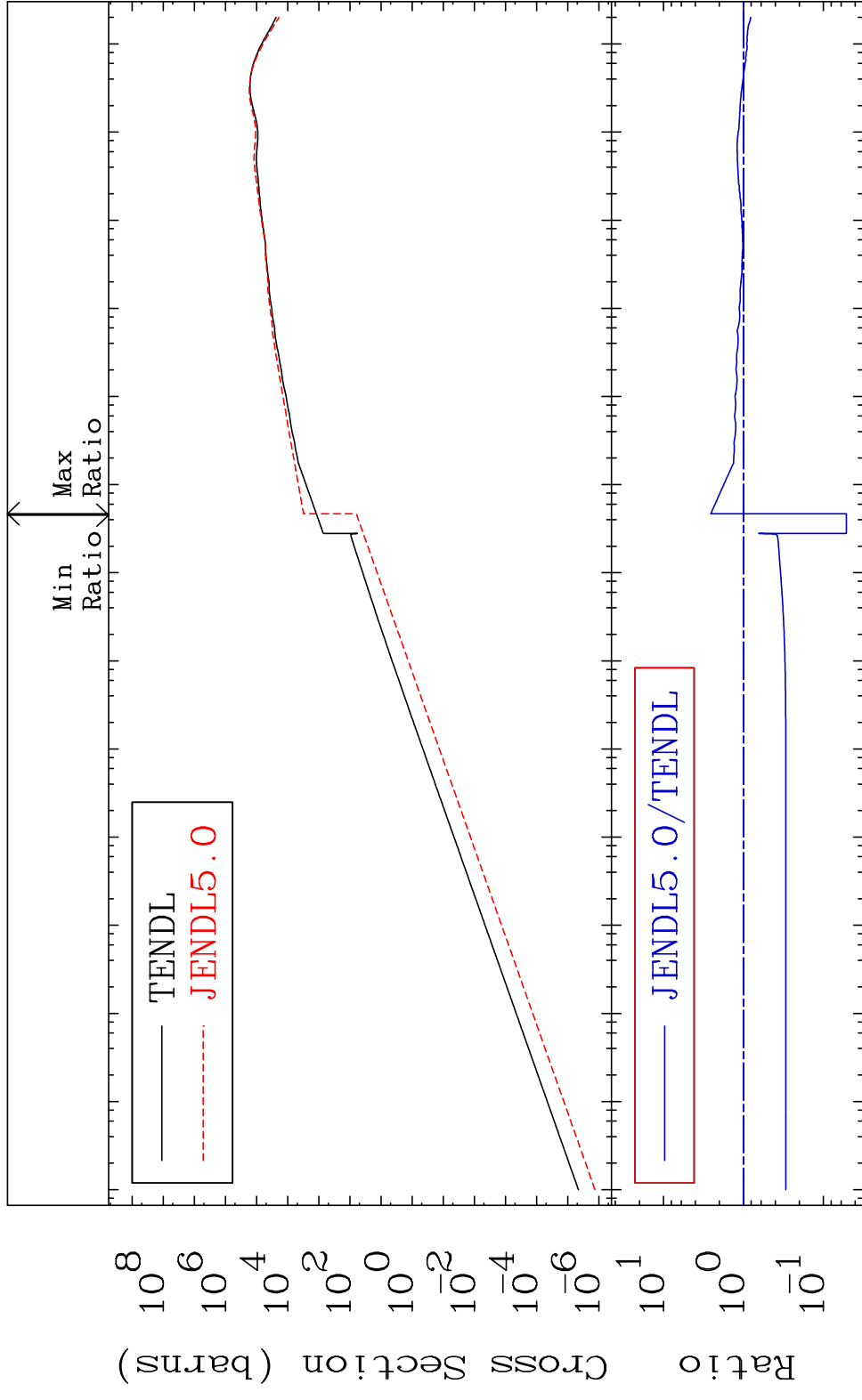
Incident Energy (eV)

25-Mn-54

MAT 2522

Kerma elastic Cross Section -94.83 To 156.8 %

25-Mn-54

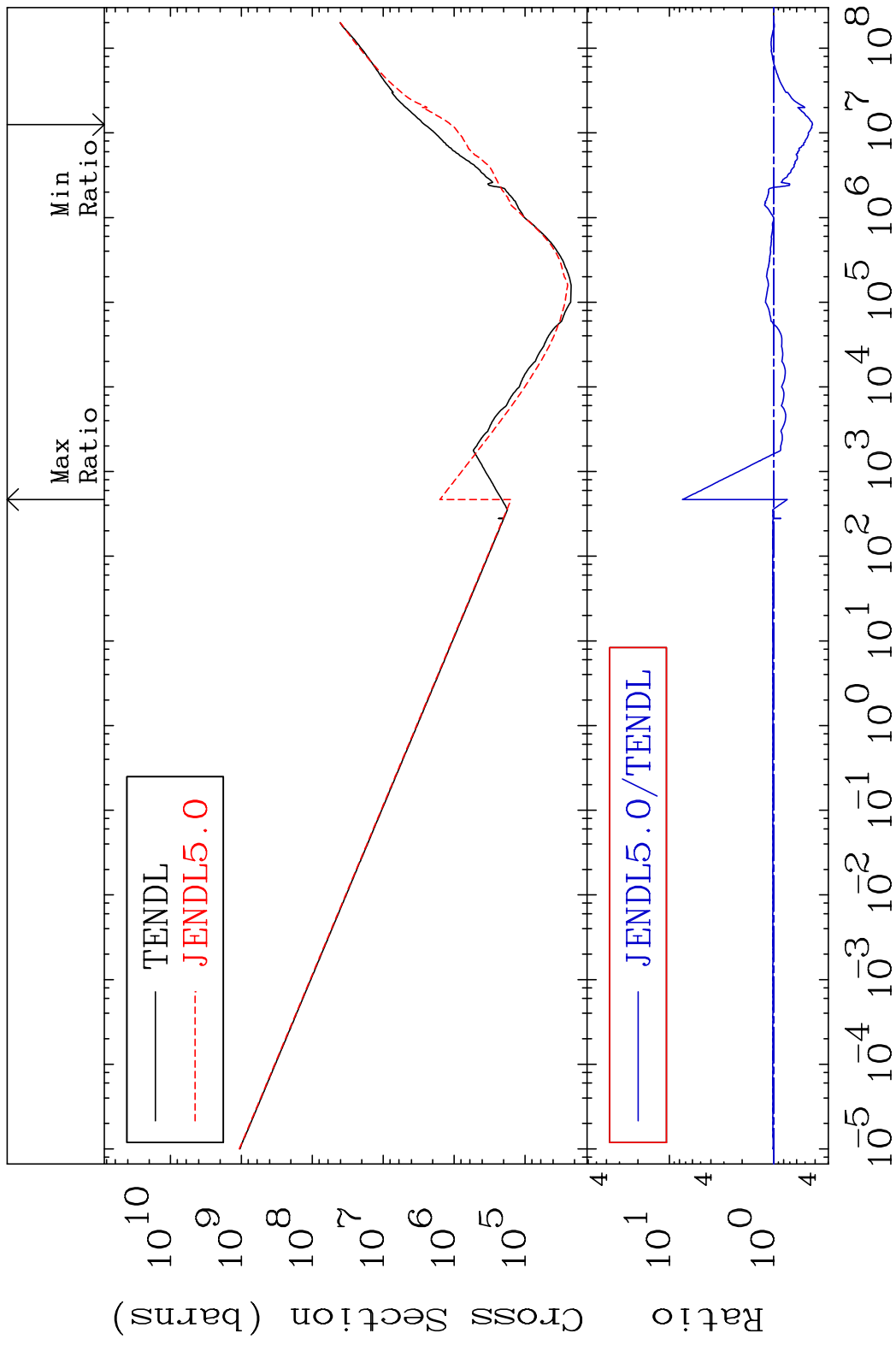


55

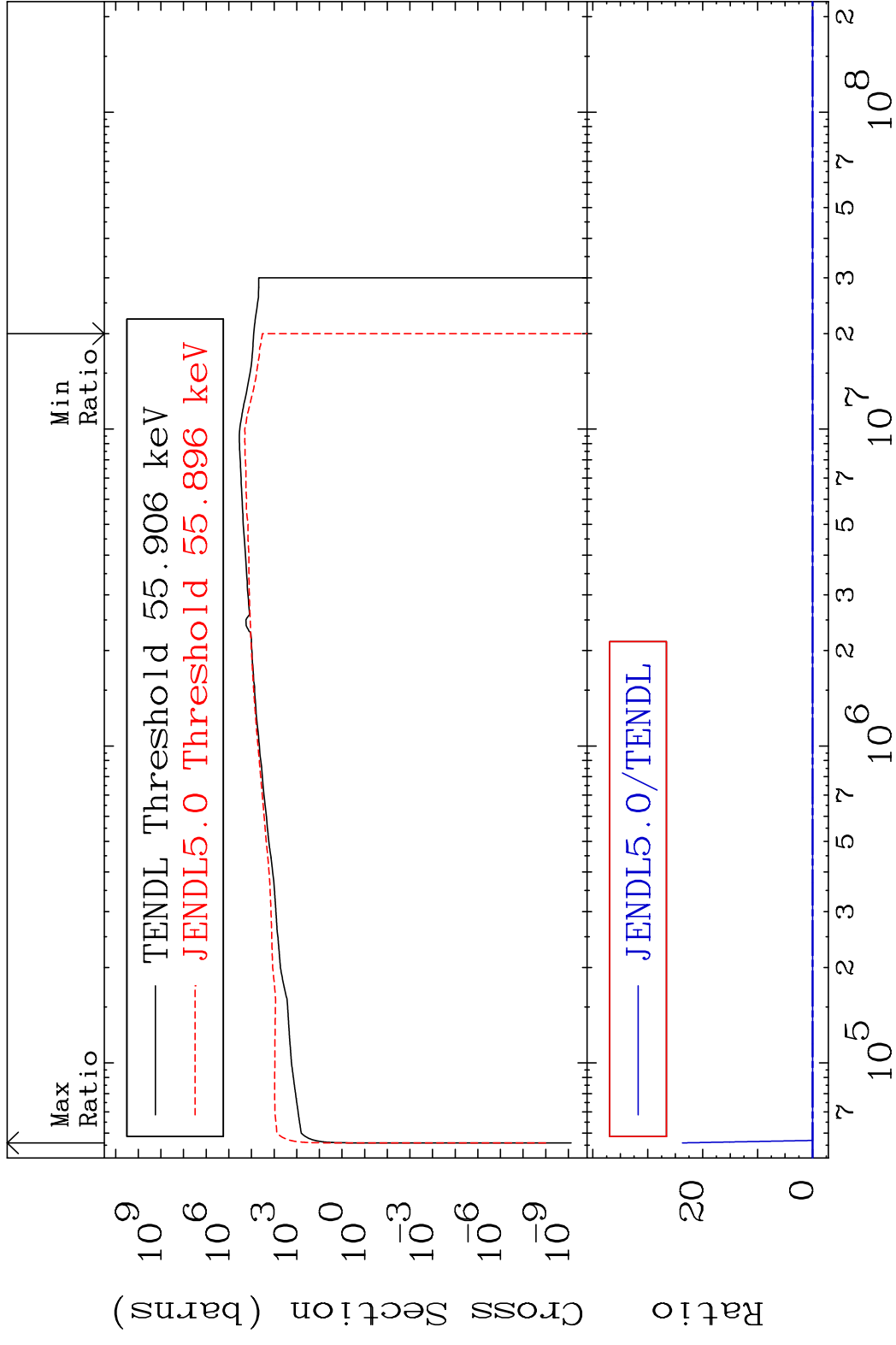
Incident Energy (eV)

25-Mn-54

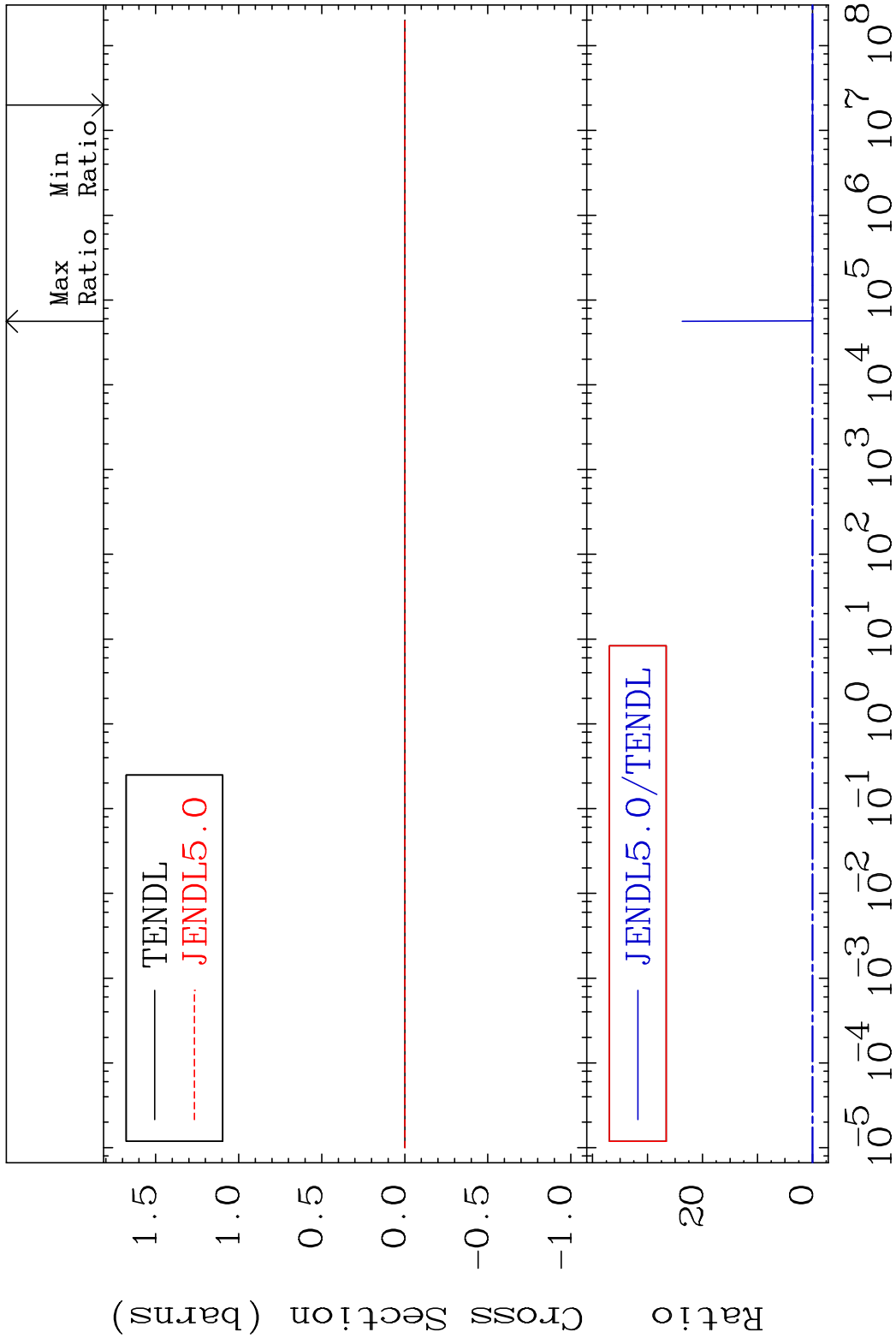
MAT 2522 Kerma non-elastic (all but mt2) 25-Mn-54
 Cross Section -57.67 To 650.0 %



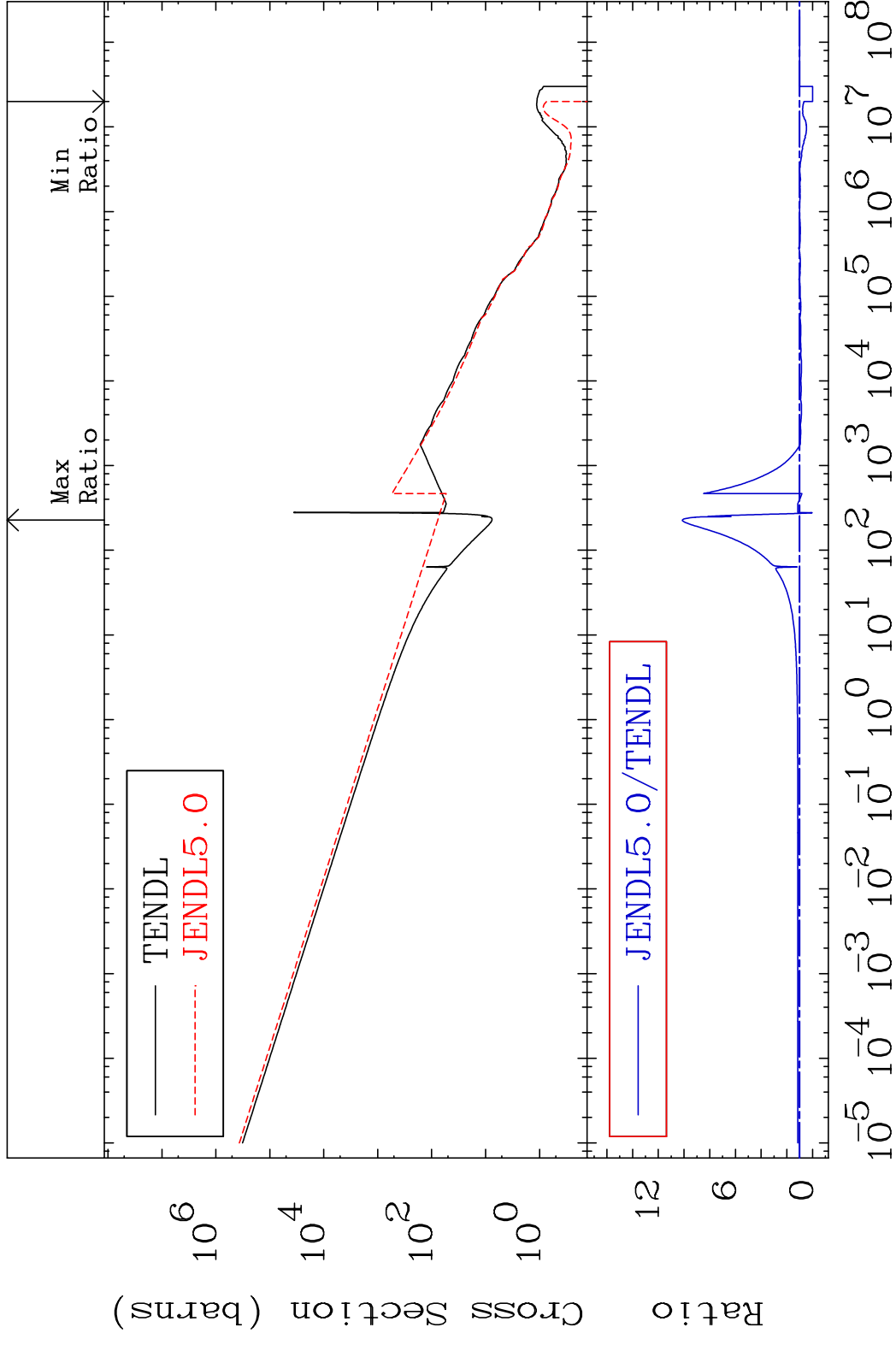
MAT 2522 Kerma inelastic (mt51-91) 25-Mn-54
 Cross Section -100.0 To 9999. %



MAT 2522 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-54
 Cross Section -100.0 To 9999. %

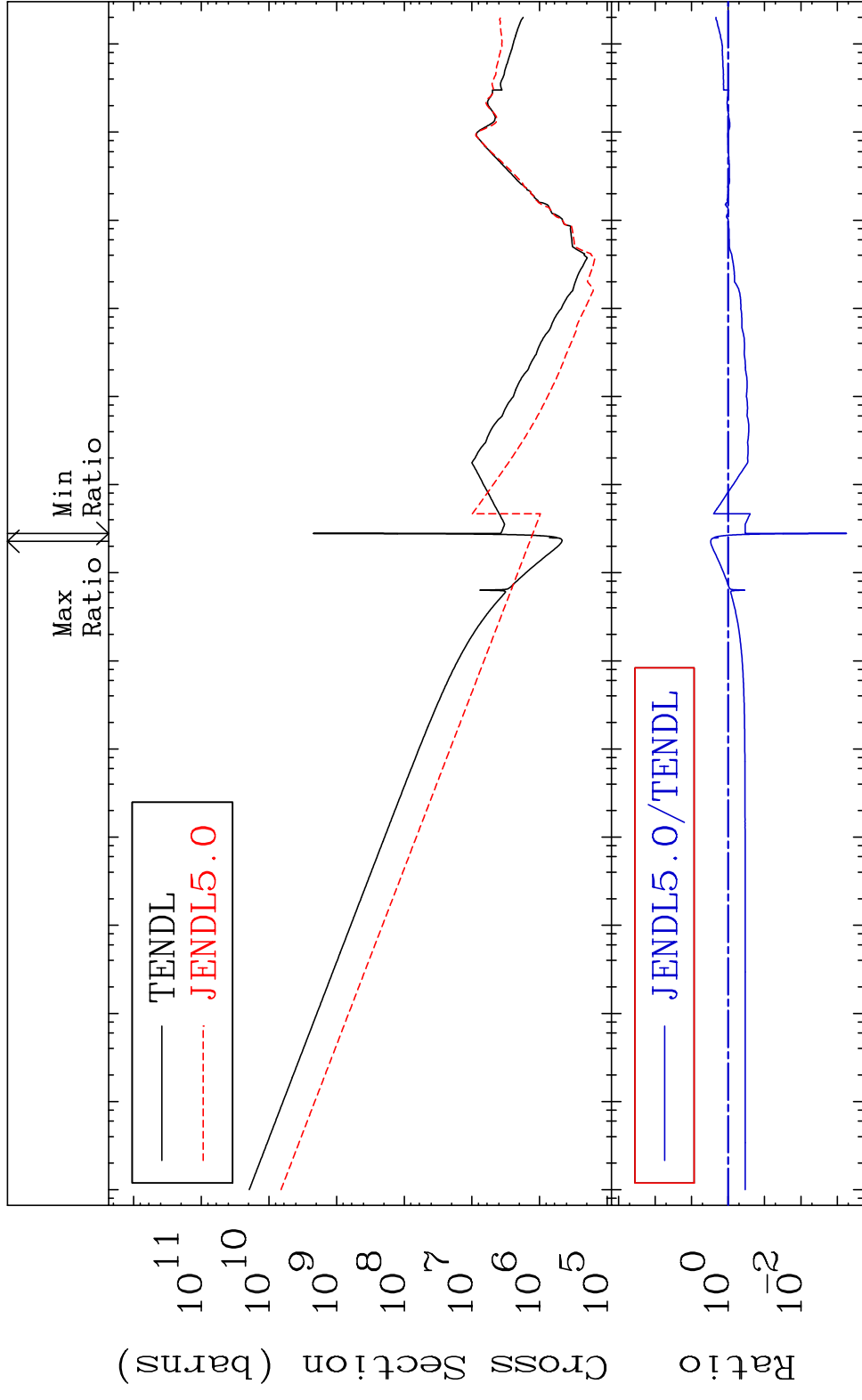


MAT 2522 Kerma capture (mt102) 25-Mn-54
 Cross Section -100.0 To 913.0 %



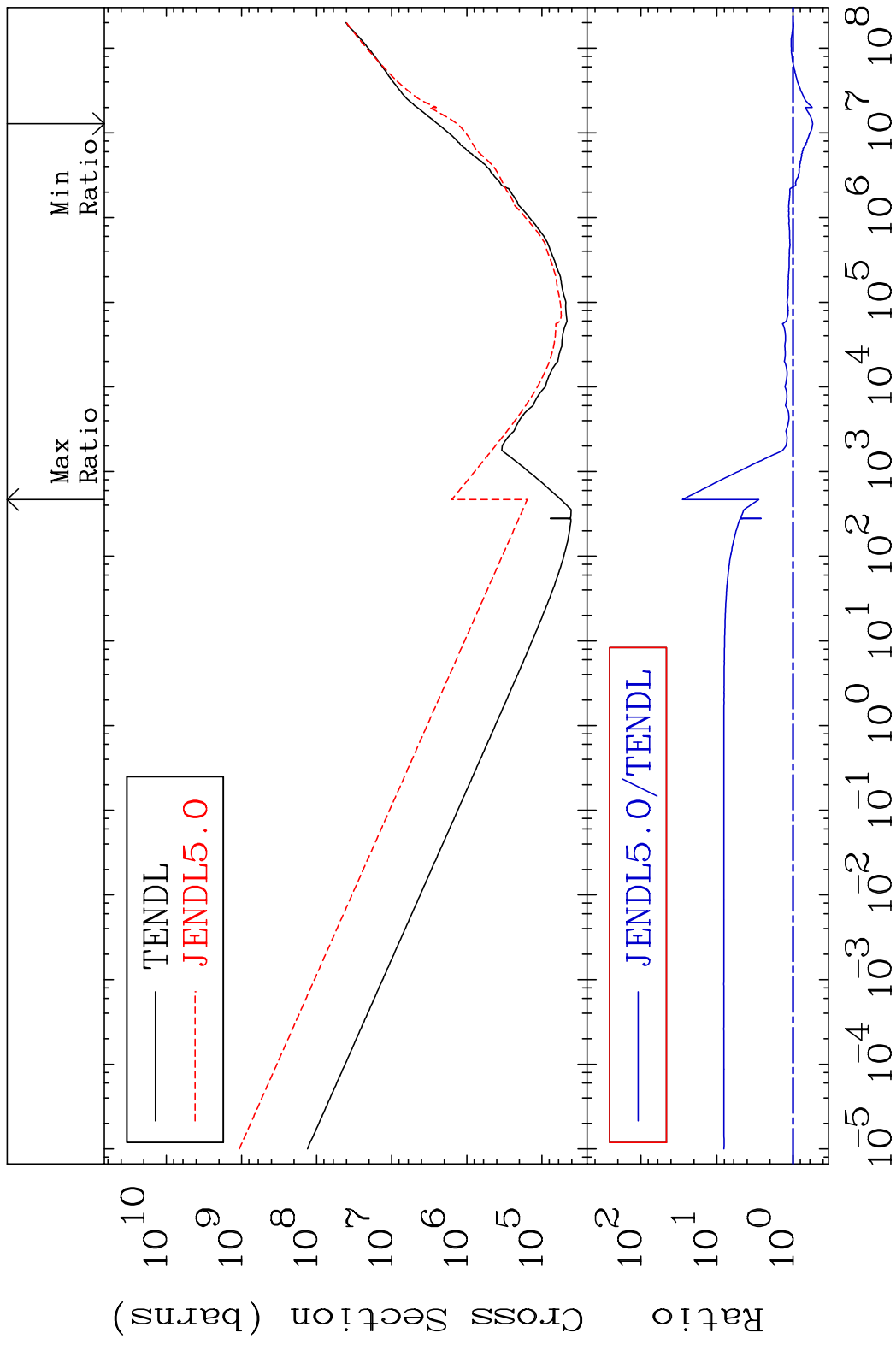
59 Incident Energy (eV) 25-Mn-54

MAT 2522 Total photon (eV-barns) 25-Mn-54
 Cross Section -99.94 To 198.1 %



60 Incident Energy (eV) 25-Mn-54

MAT 2522 Total kinematic kerma (high limit) 25-Mn-54
 Cross Section -44.87 To 2744. %

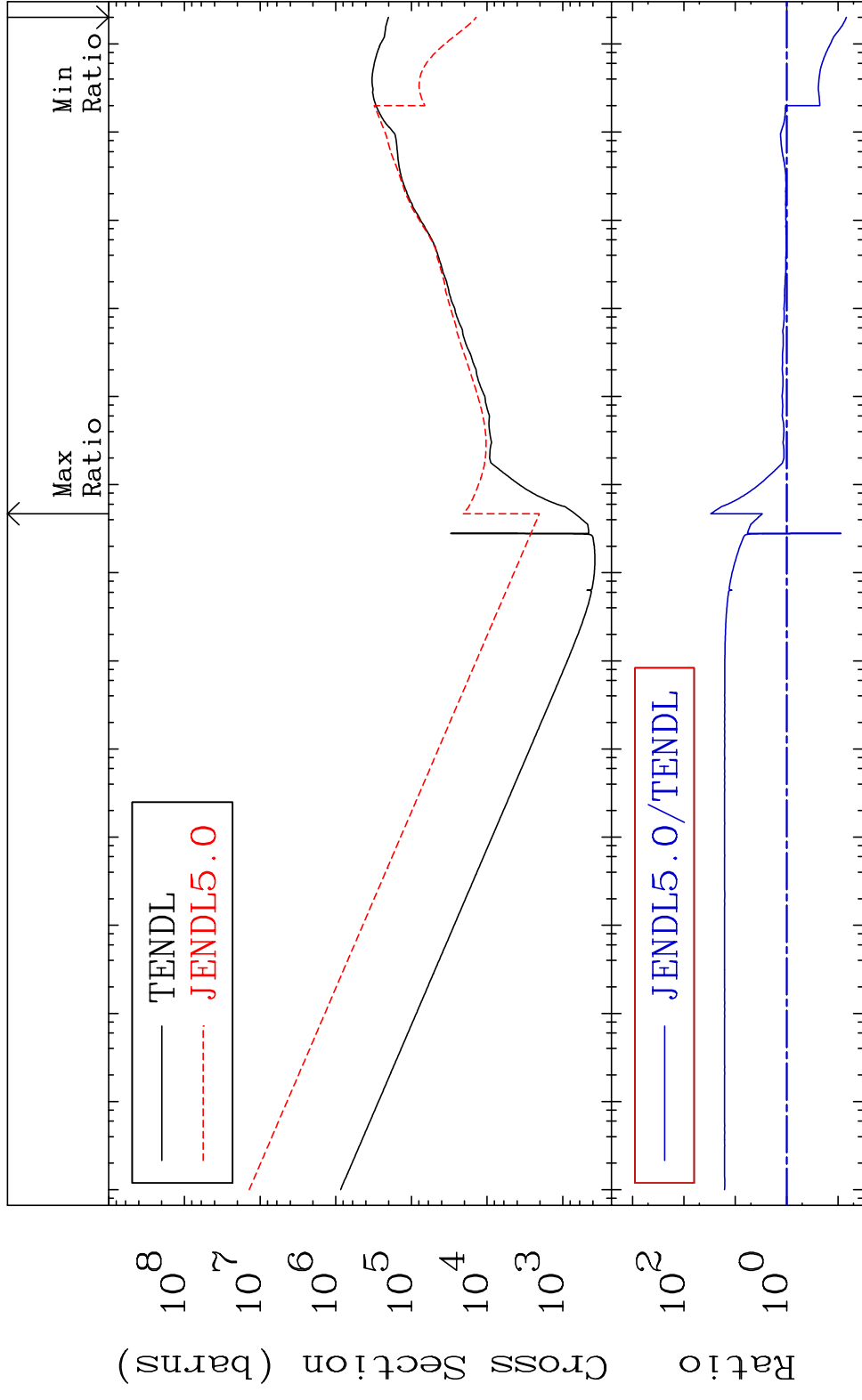


MAT 2522

Dpa total (eV-barns)

25-Mn-54

Cross Section -93.09 To 2913. %



62

Incident Energy (eV)

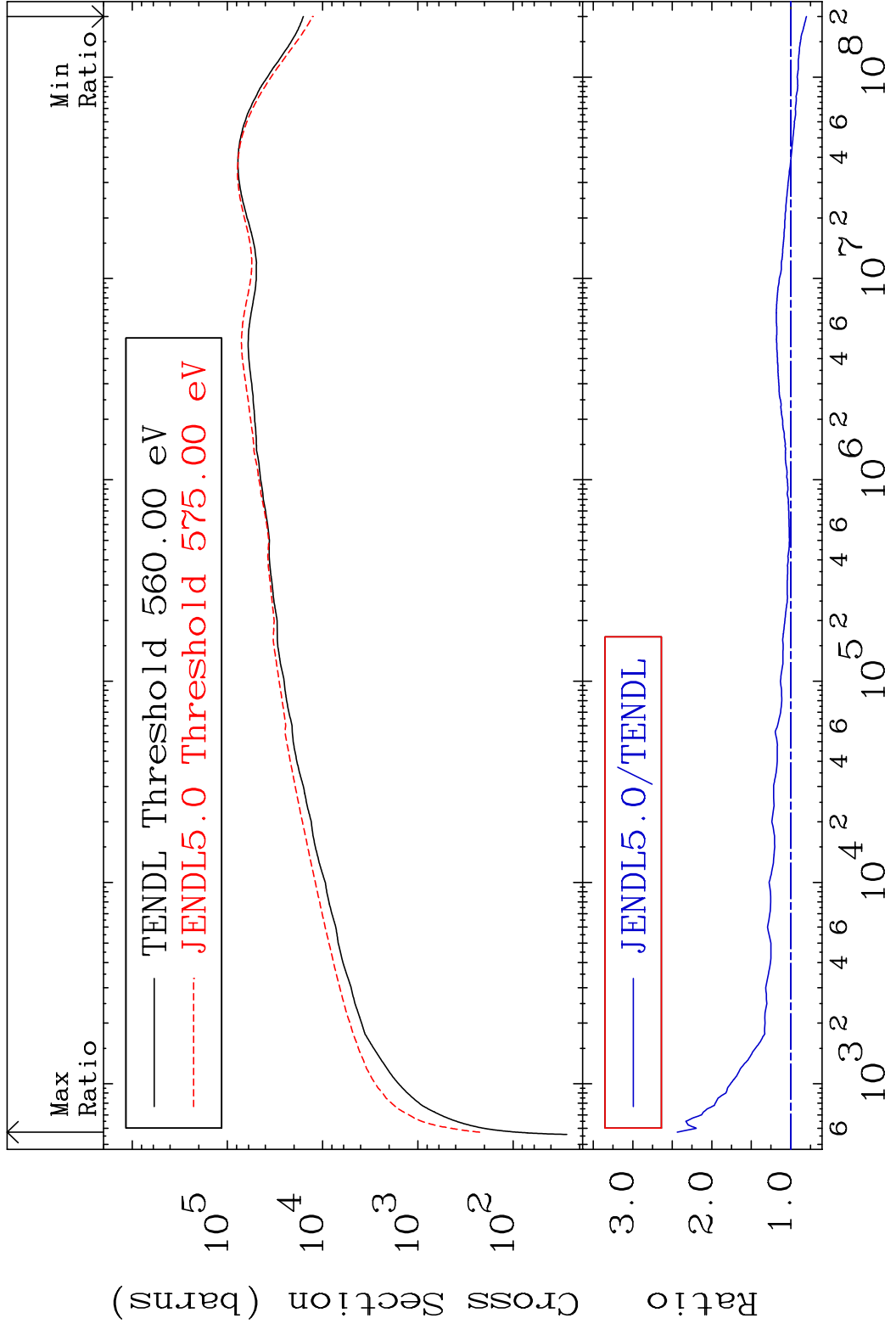
25-Mn-54

MAT 2522

Dpa elastic (mt2)

25-Mn-54

Cross Section -19.82 To 143.8 %

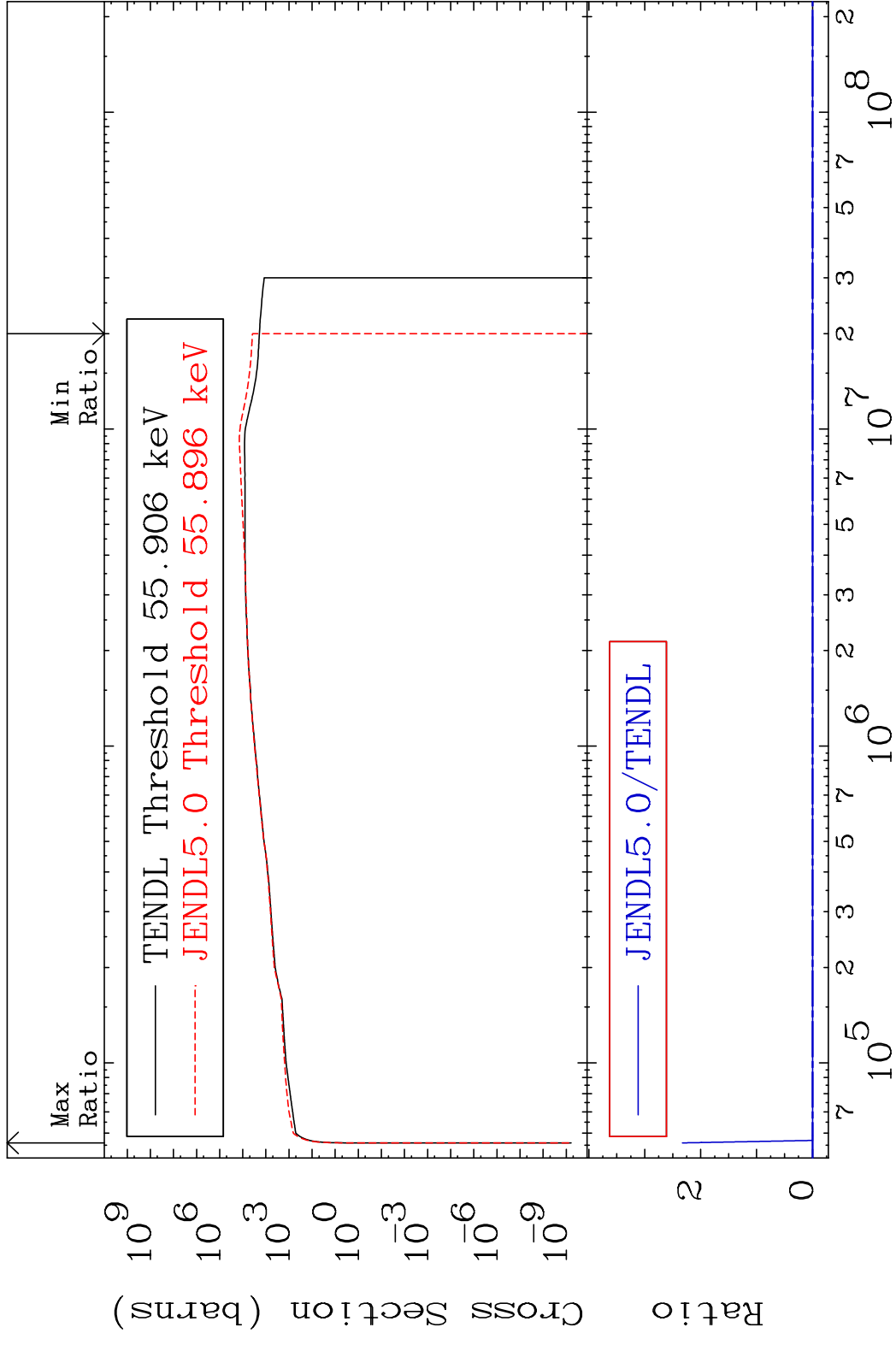


63

Incident Energy (eV)

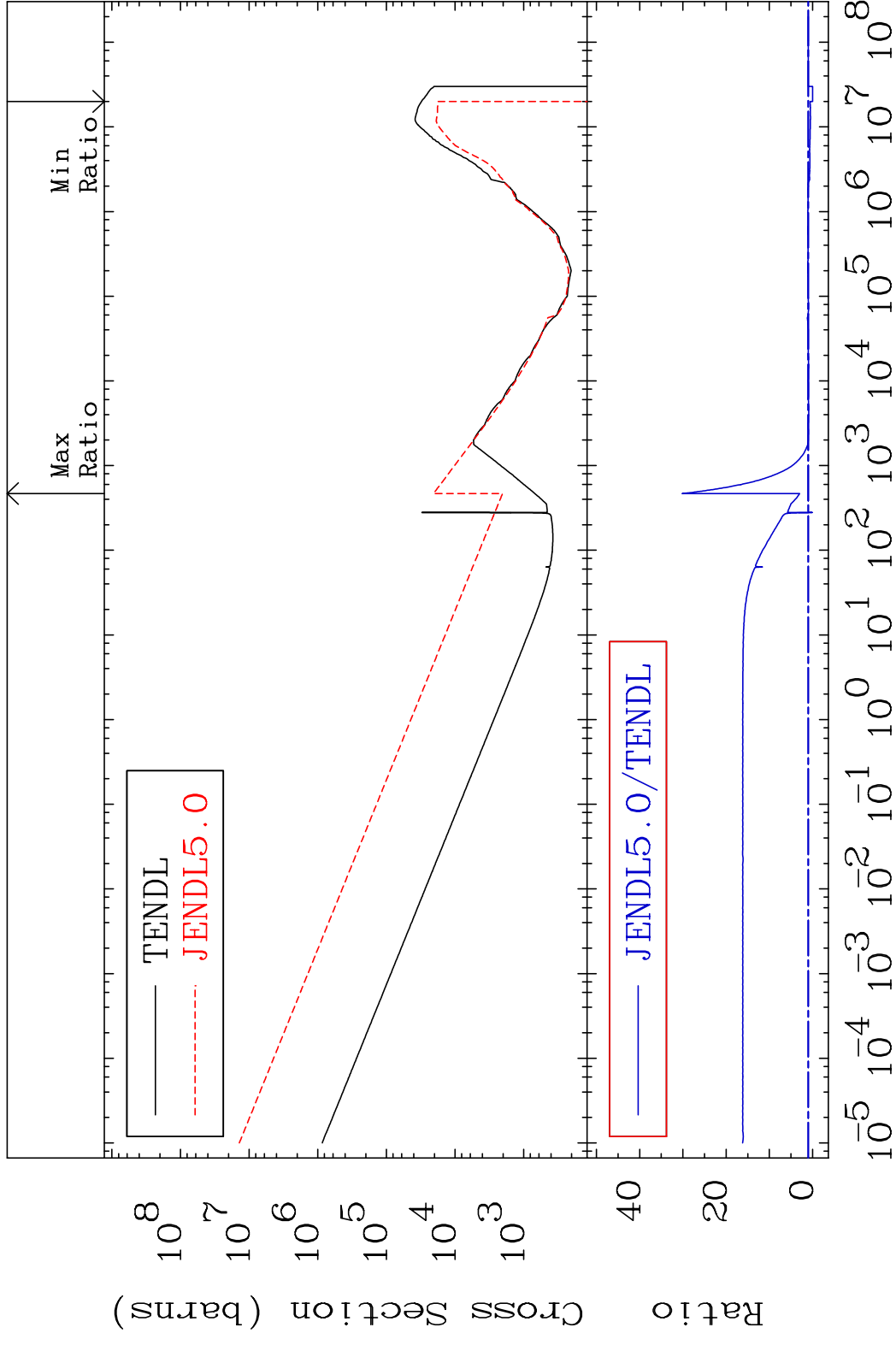
25-Mn-54

MAT 2522 Dpa inelastic (mt51-91) 25-Mn-54
 Cross Section -100.0 To 9999. %



64 Incident Energy (eV) 25-Mn-54

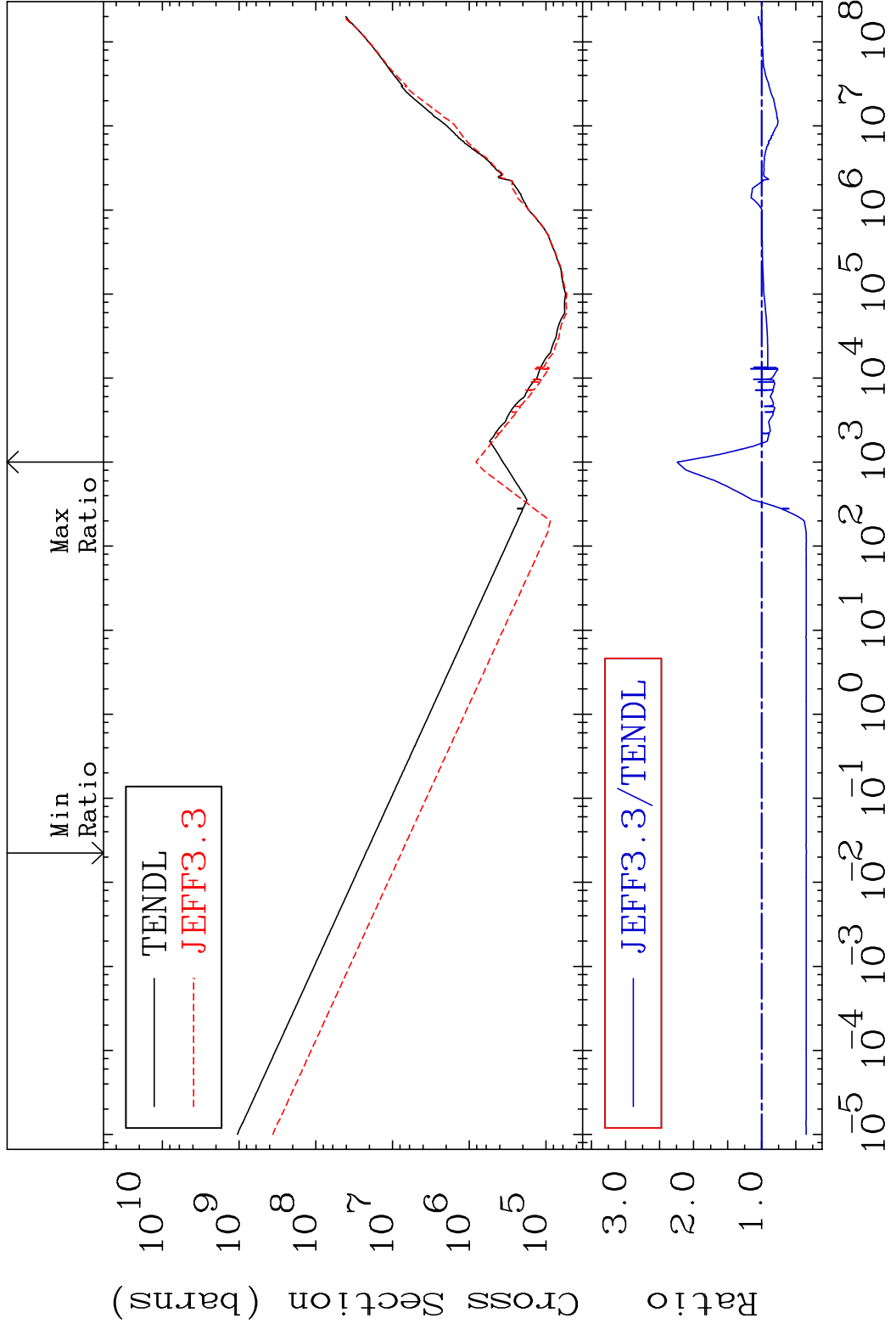
MAT 2522 Dpa disappearance (mt102 -120) 25-Mn-54
 Cross Section -100.0 To 2913. %



65 Incident Energy (eV) 25-Mn-54

MAT 2522

Kerma total (eV-barns) 25-Mn-54
Cross Section -65.69 To 124.1 %



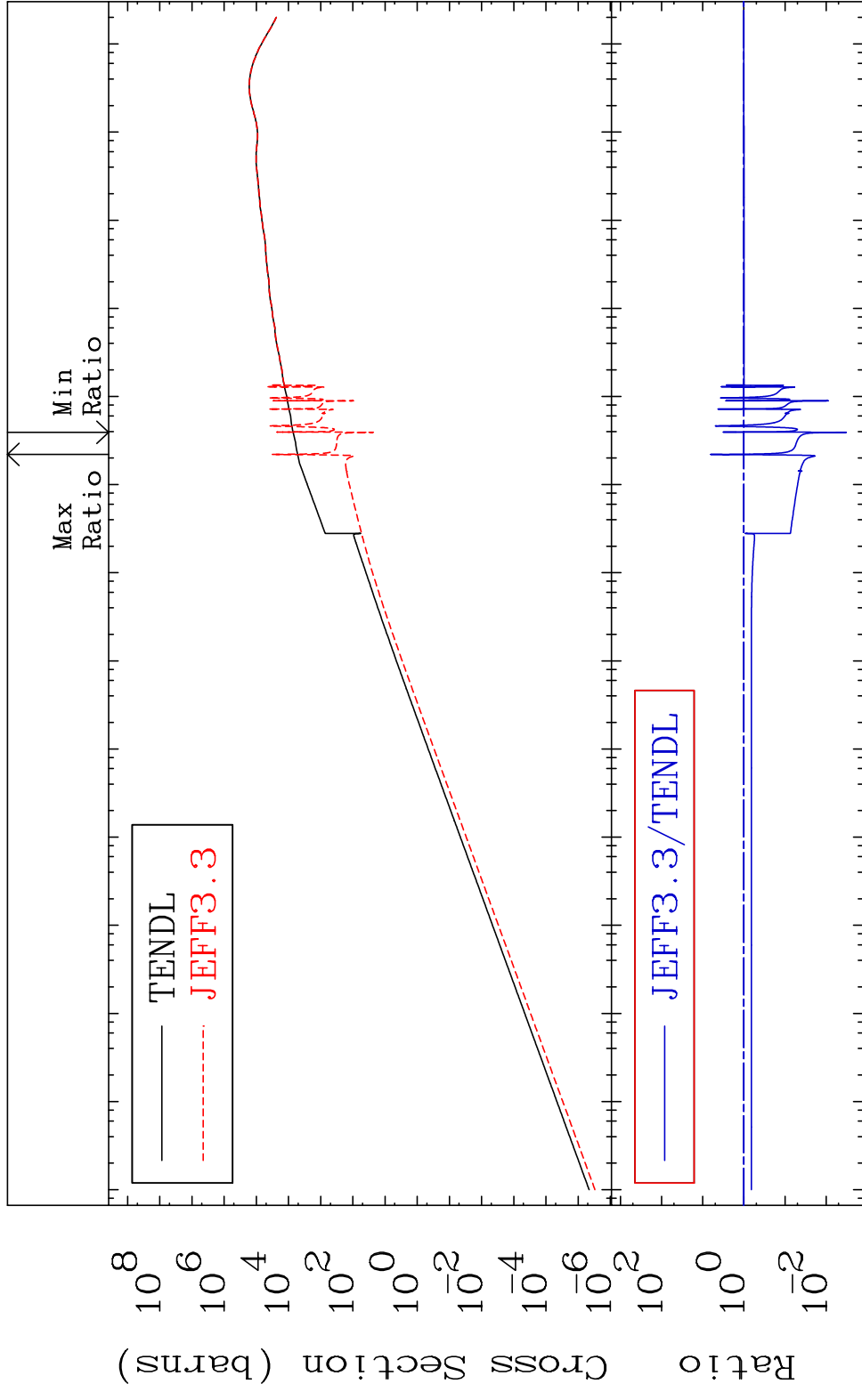
66

Incident Energy (eV)

25-Mn-54

MAT 2522

Kerma elastic Cross Section -99.68 To 540.9 %
25-Mn-54

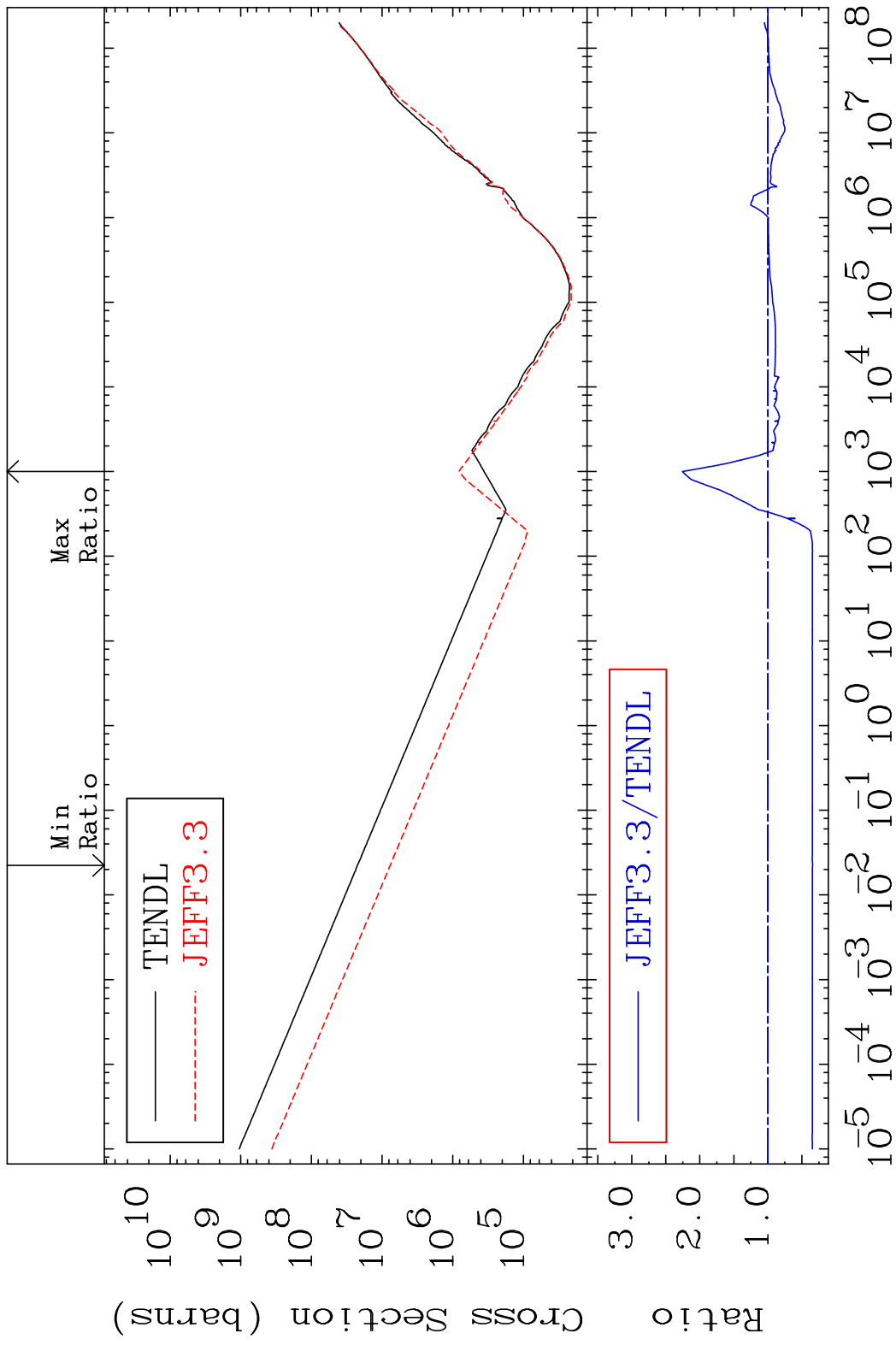


67

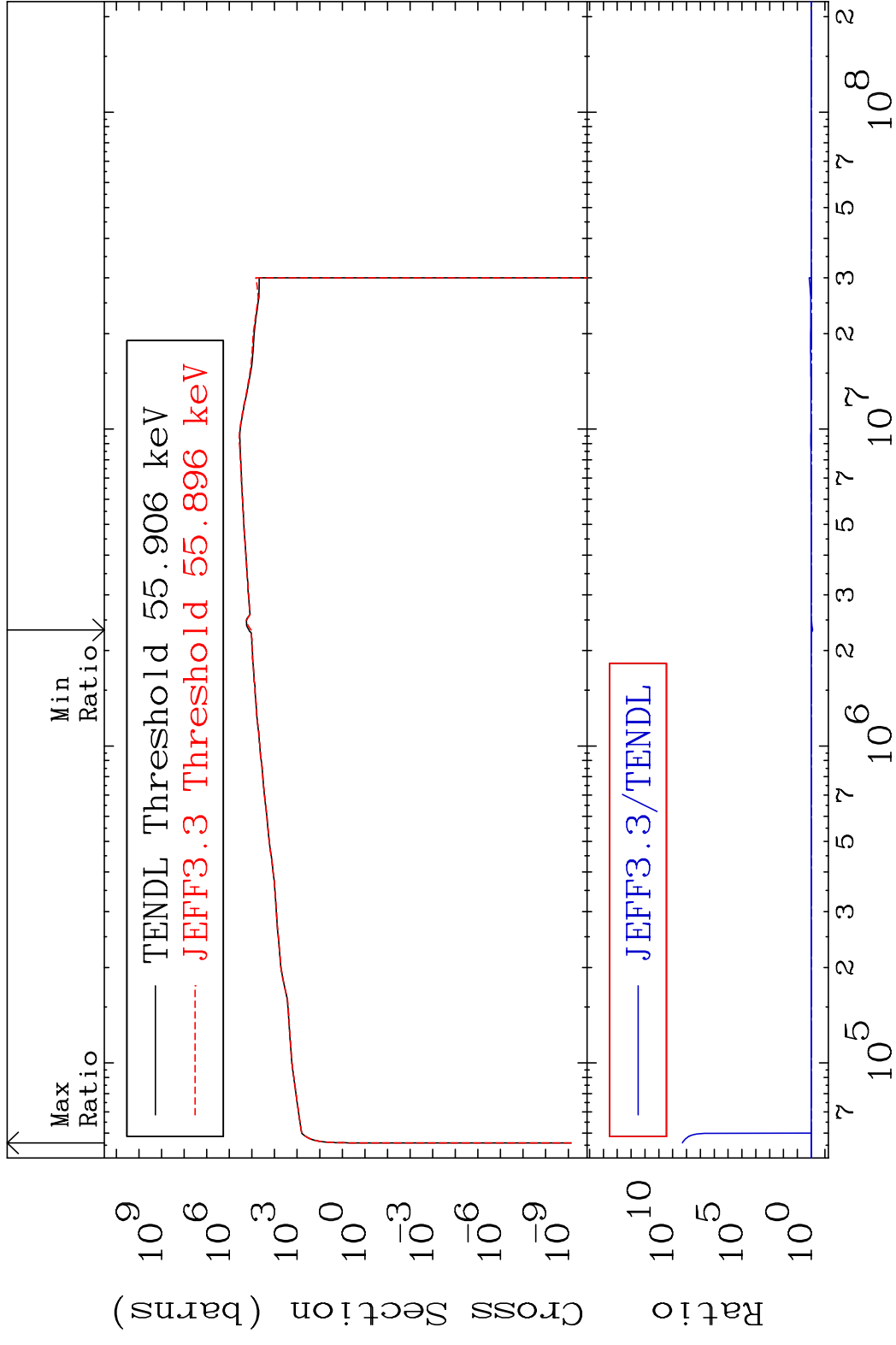
Incident Energy (eV)

25-Mn-54

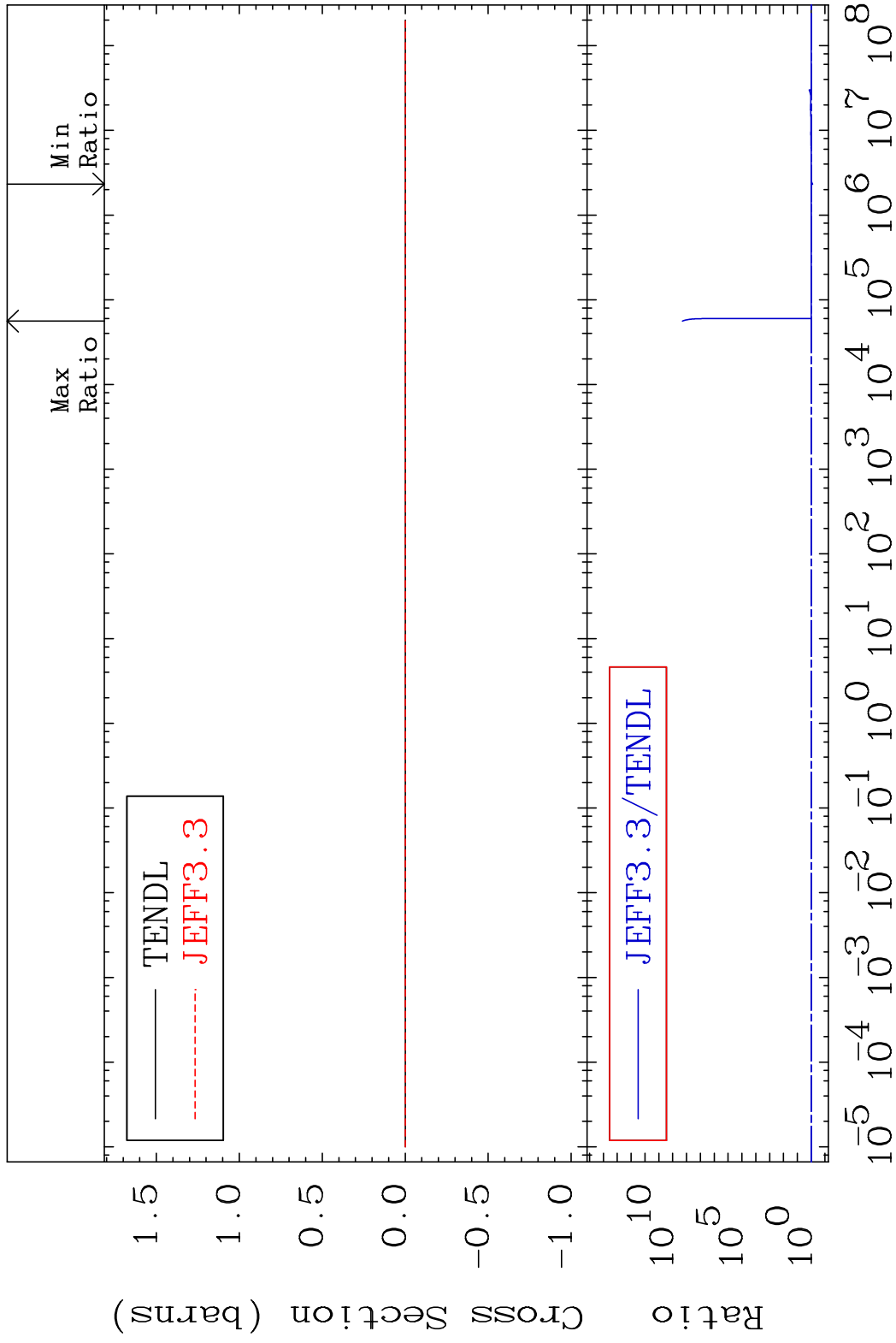
MAT 2522 Kerma non-elastic (all but mt2) 25-Mn-54
 Cross Section -65.69 To 125.7 %



MAT 2522 Kerma inelastic (mt51-91) 25-Mn-54
 Cross Section -20.44 To 9999. %

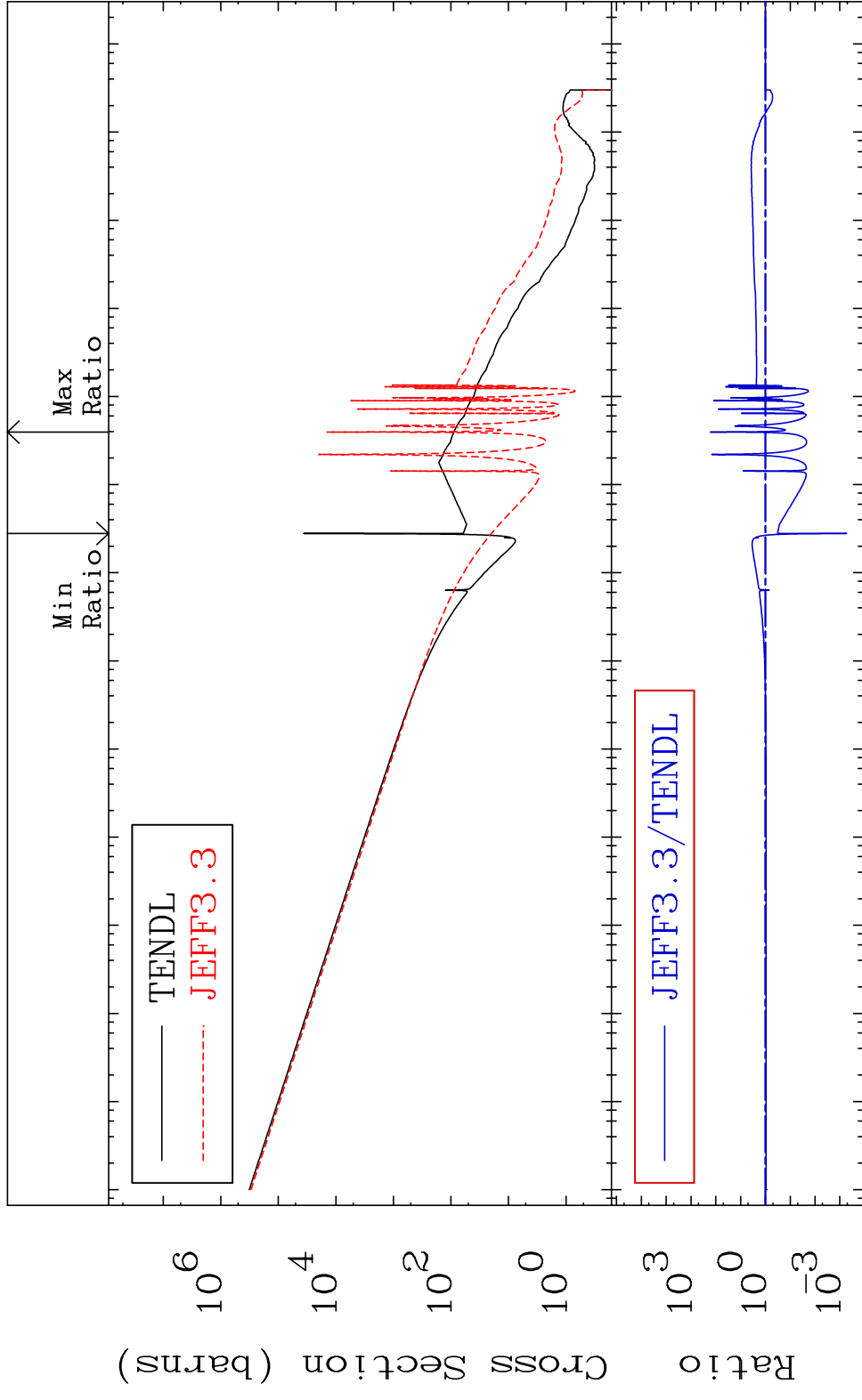


MAT 2522 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-54
 Cross Section -20.44 To 9999. %



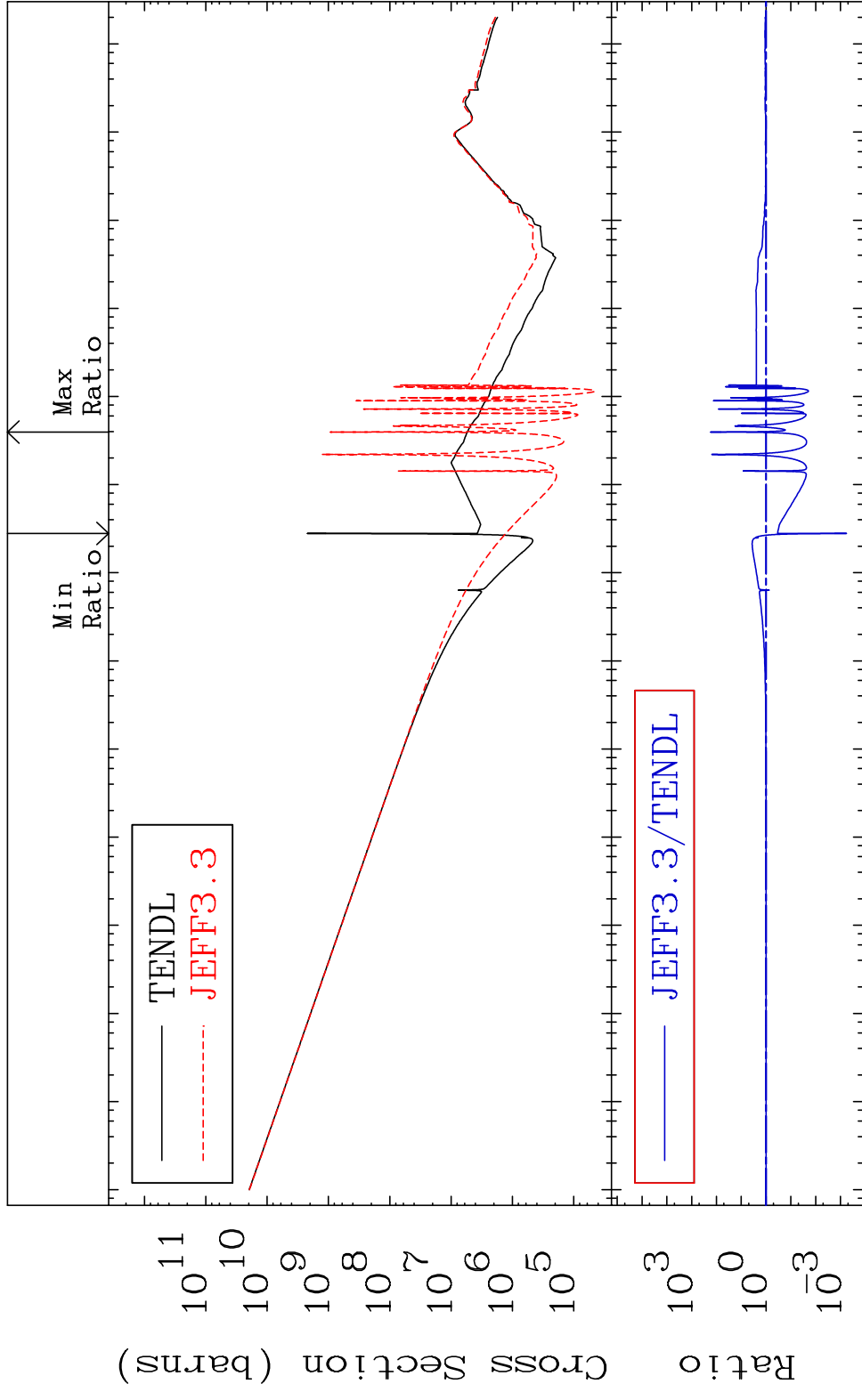
70 Incident Energy (eV) 25-Mn-54

MAT 2522 Kerma capture (mt102) 25-Mn-54
 Cross Section -99.95 To 9999. %



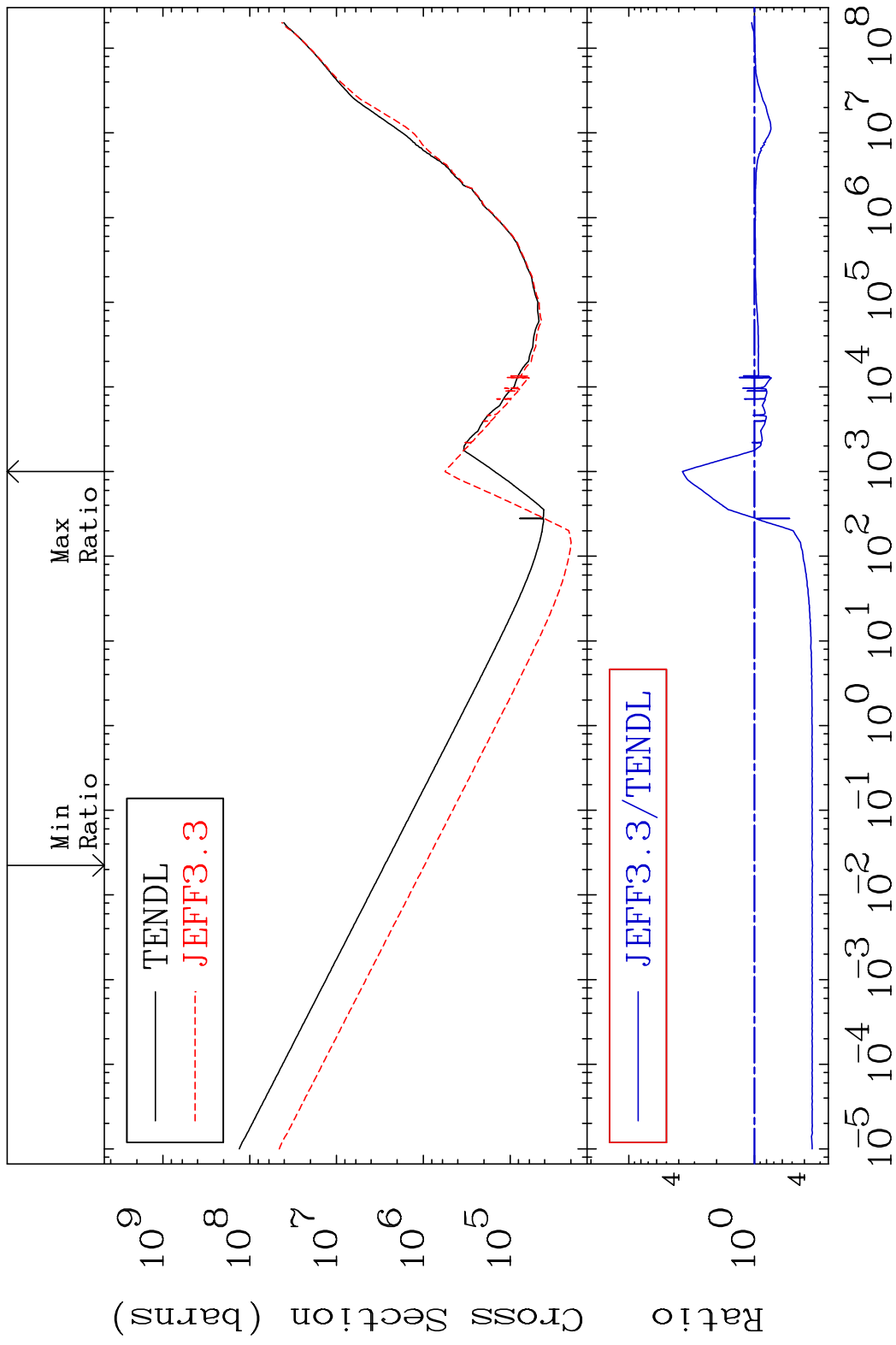
71 Incident Energy (eV) 25-Mn-54

MAT 2522 Total photon (eV-barns) 25-Mn-54
 Cross Section -99.94 To 9999. %



72 Incident Energy (eV) 25-Mn-54

MAT 2522 Total kinematic kerma (high limit) 25-Mn-54
 Cross Section -65.57 To 274.1 %

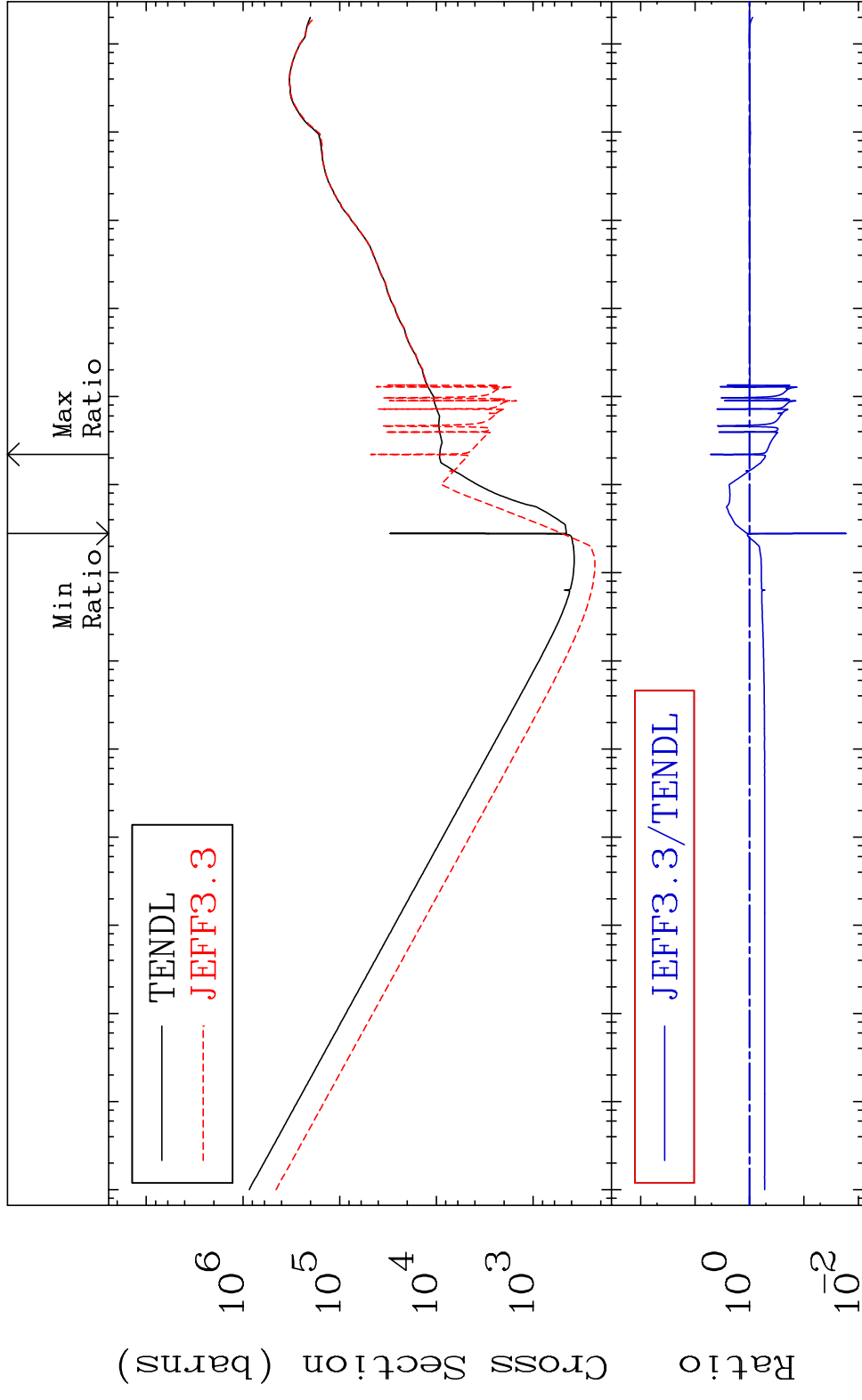


MAT 2522

Dpa total (eV-barns)

25-Mn-54

Cross Section -98.34 To 416.1 %



74

Incident Energy (eV)

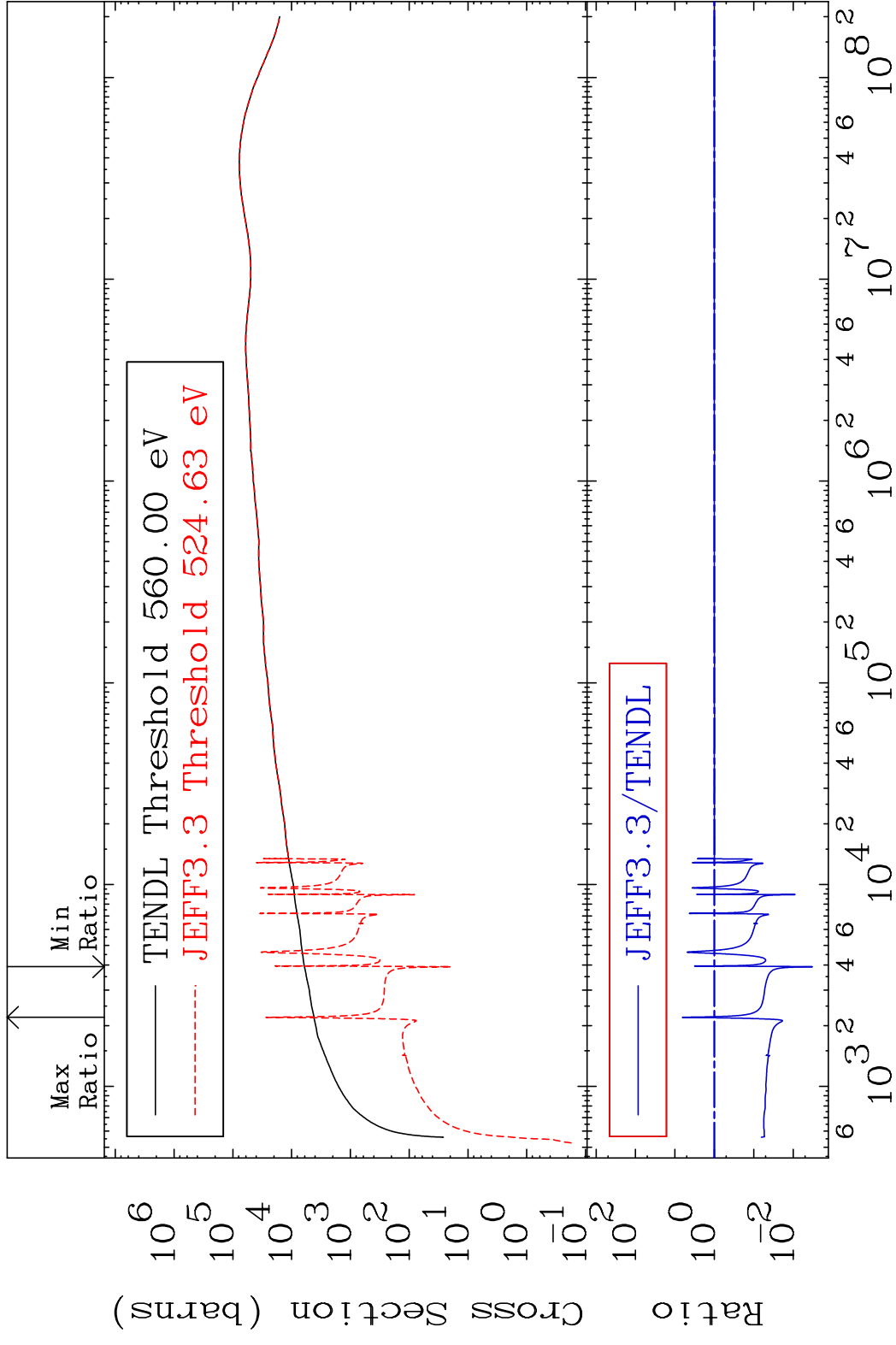
25-Mn-54

MAT 2522

Dpa elastic (mt2)

25-Mn-54

Cross Section -99.68 To 547.1 %

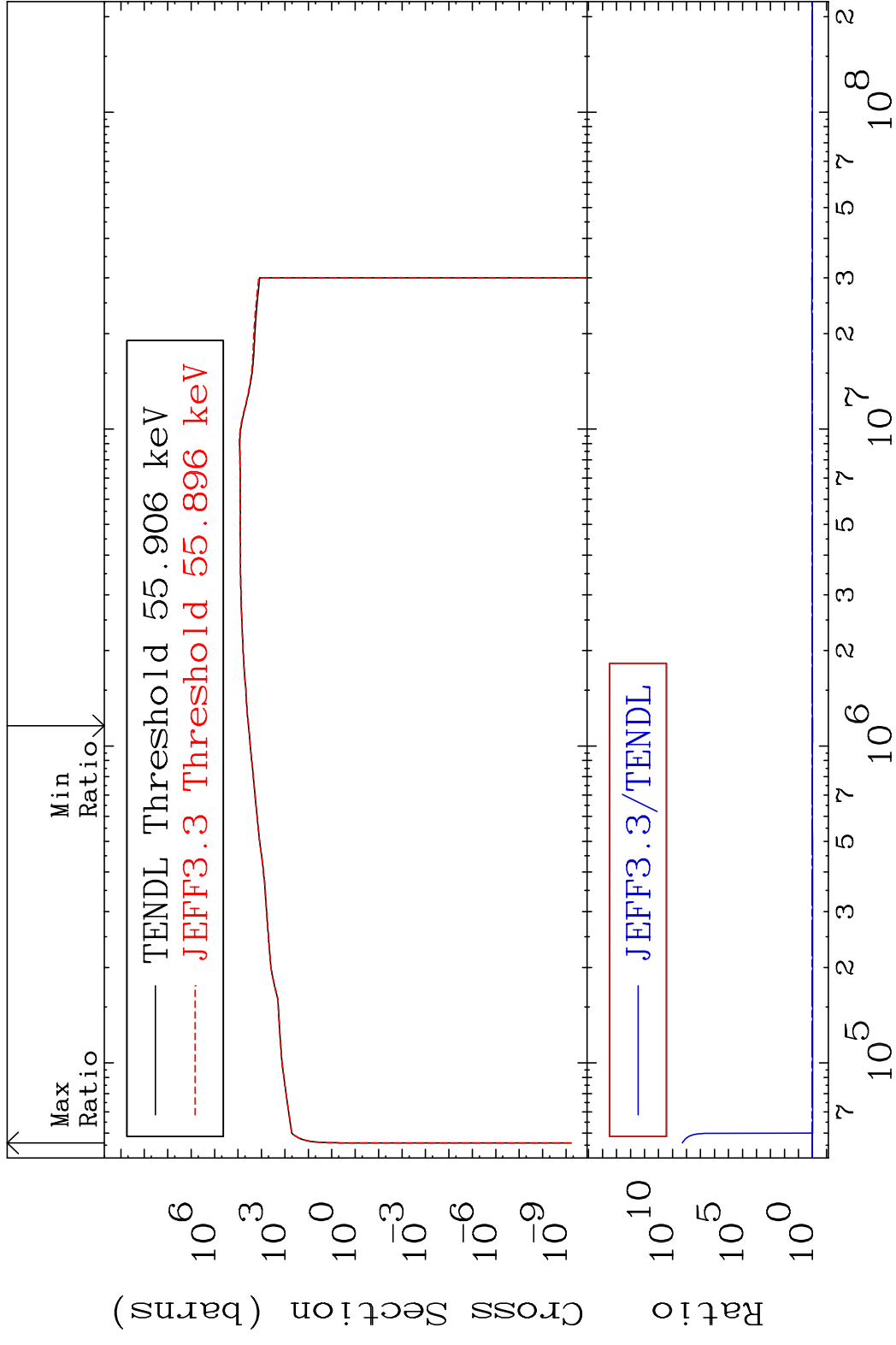


75

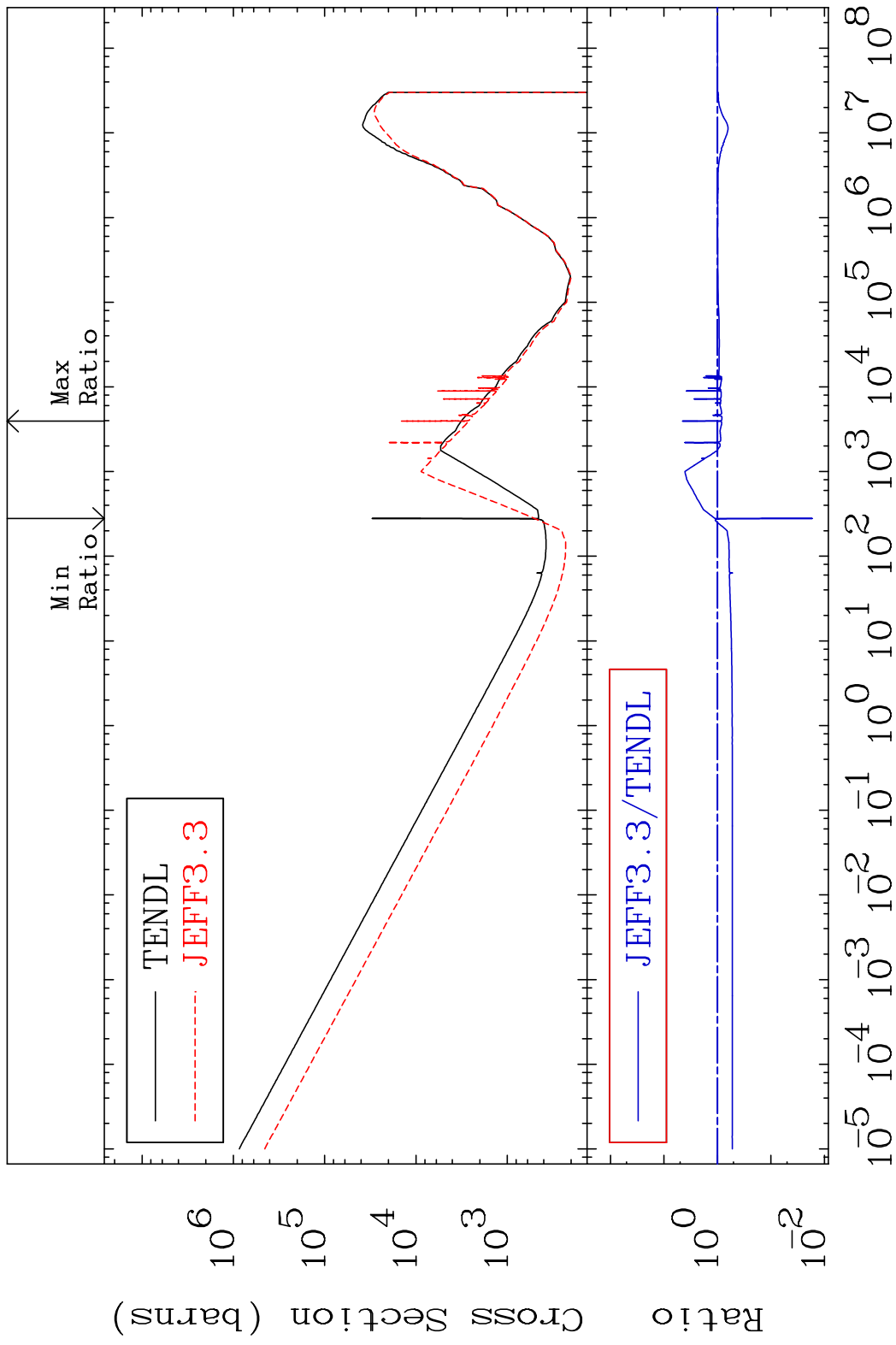
Incident Energy (eV)

25-Mn-54

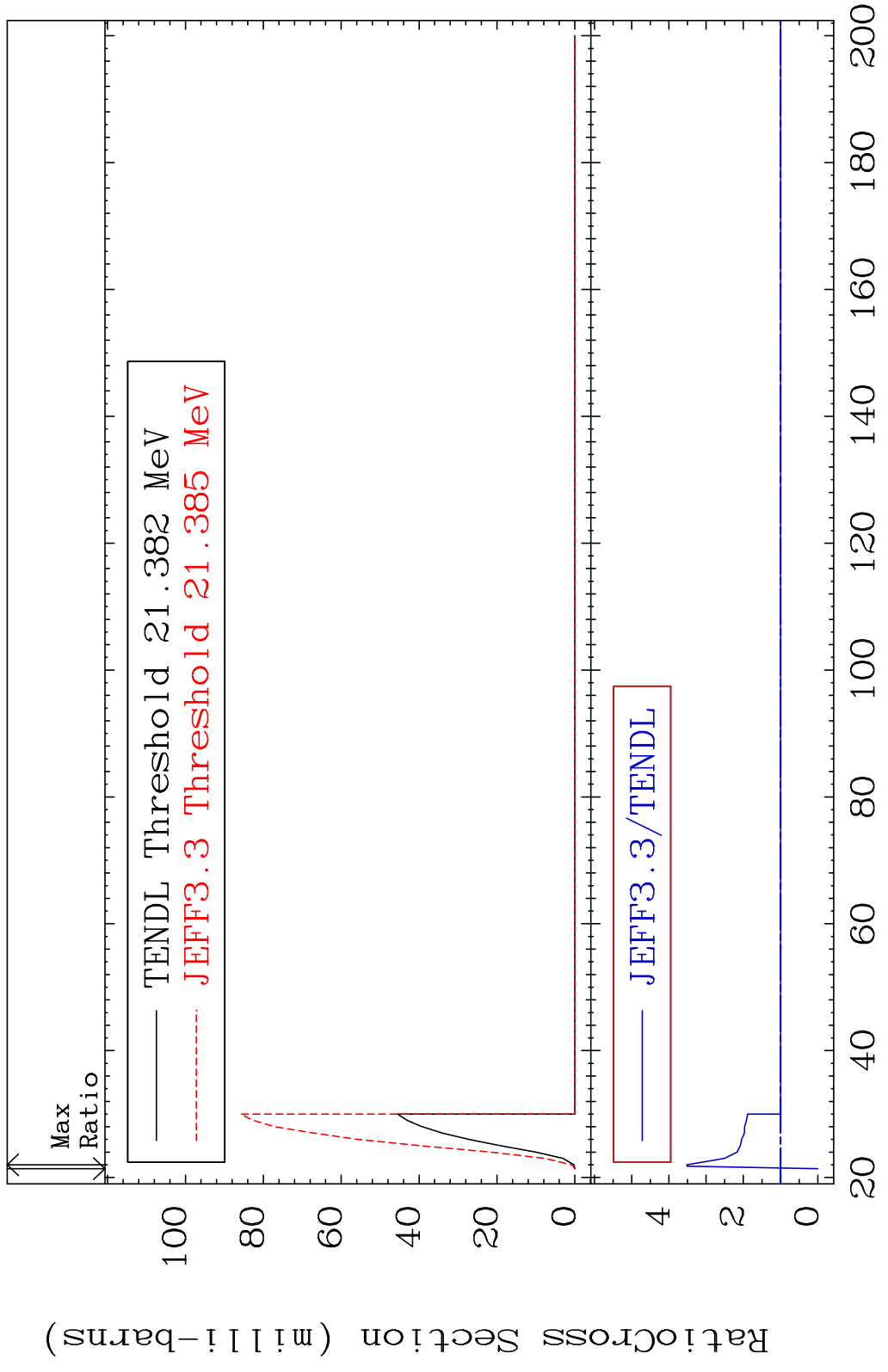
MAT 2522 Dpa inelastic (mt51-91) 25-Mn-54
 Cross Section -1.597 To 9999. %



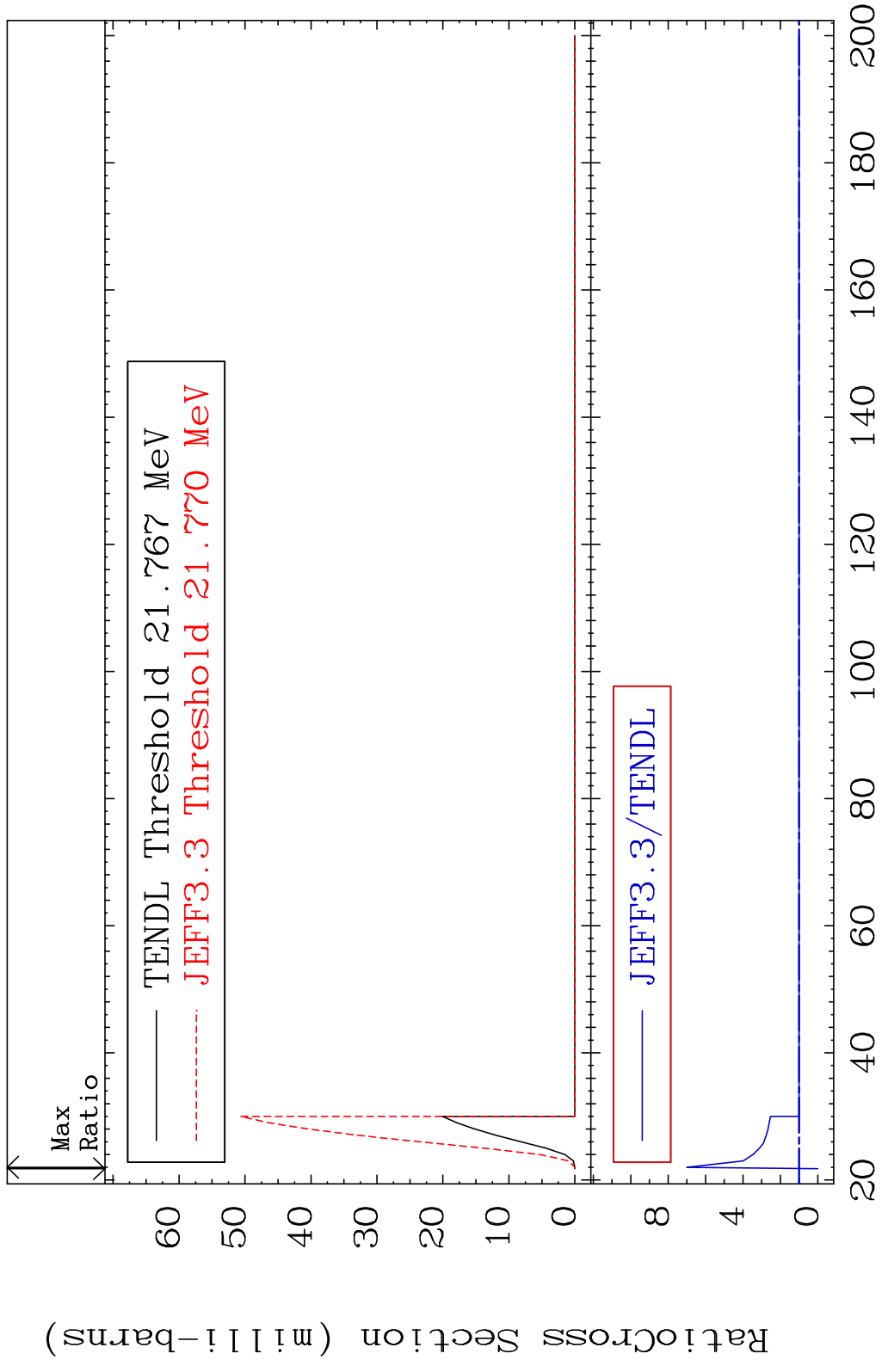
MAT 2522 Dpa disappearance (mt102 -120) 25-Mn-54
 Cross Section -98.34 To 353.1 %



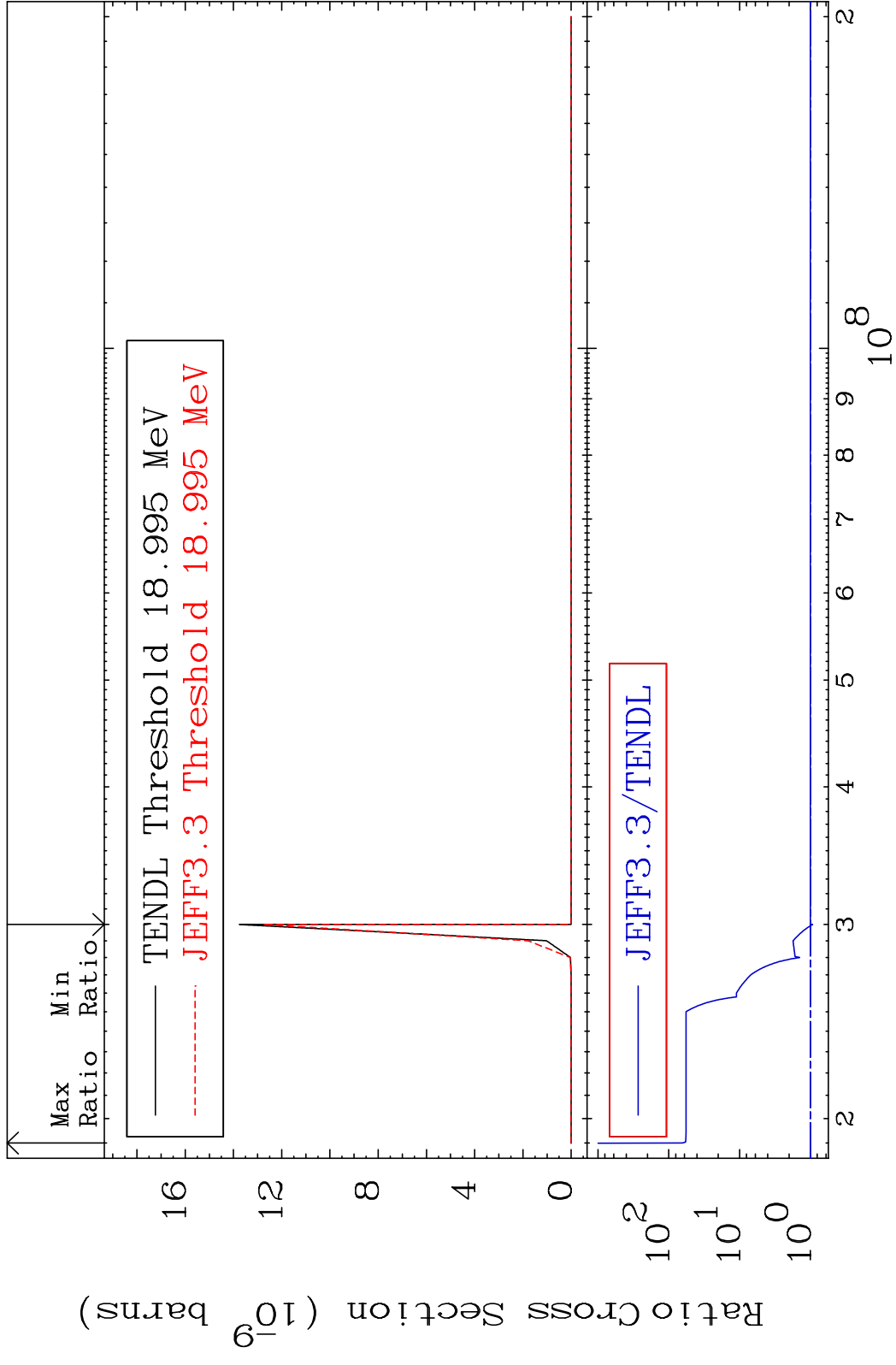
MAT 2522 (n,3n):25-Mn-52g 25-Mn-54
 Radionuclide Production Cross Section 180.01 dth 252.1 %



MAT 2522 (n, 3n) : 25-Mn-52m1 25-Mn-54
 Radionuclide Production Cross Section 1800 d to 600.7 %



MAT 2522 (n, n') $2\alpha:21-Sc-46g$ 25-Mn-54
 Radionuclide Production Cross Section Ratio 6337. %



80 Incident Energy (eV) 25-Mn-54

