

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

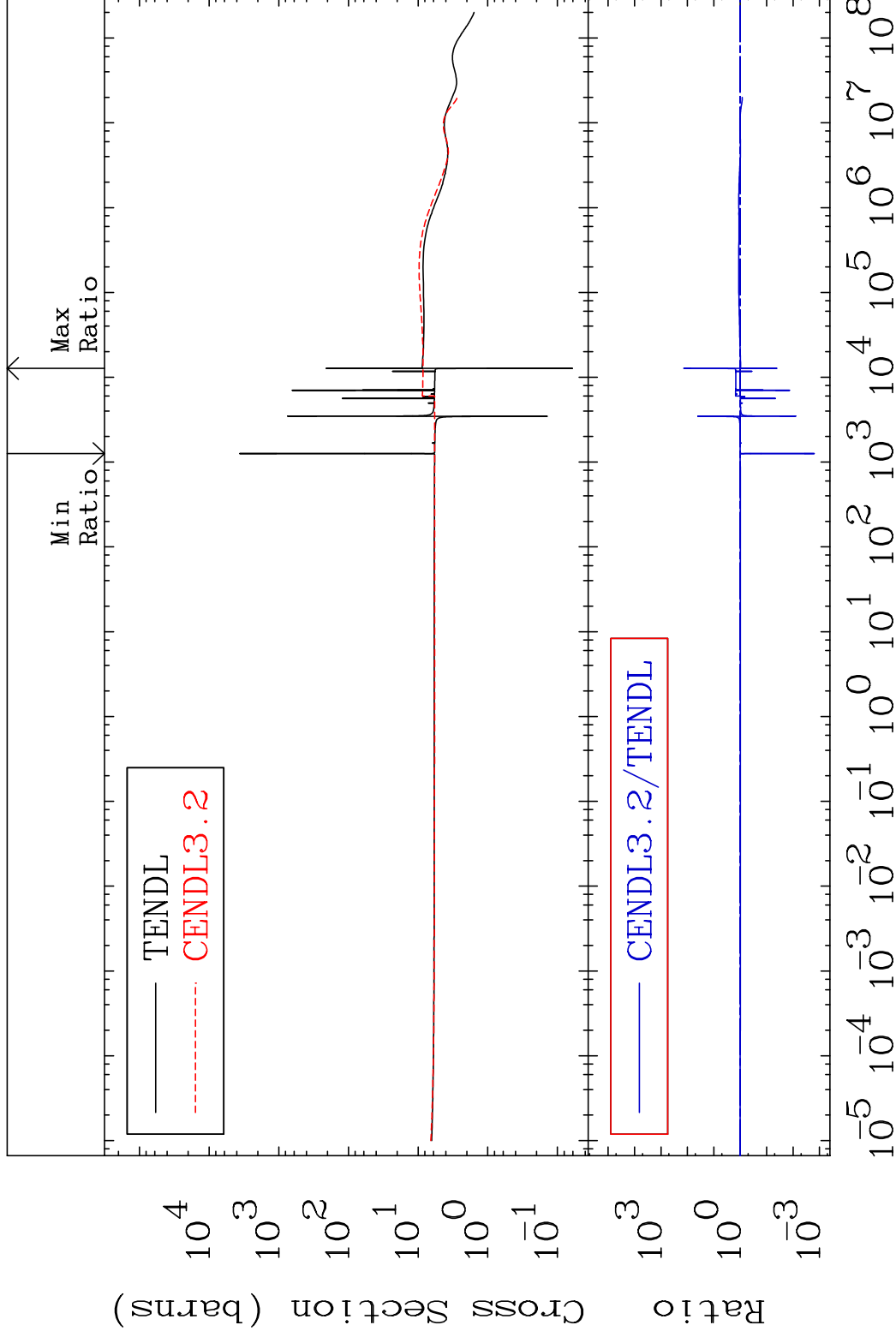
MAT 3843

Total

38-Sr-90

Cross Section

-99.84 To 9999. %



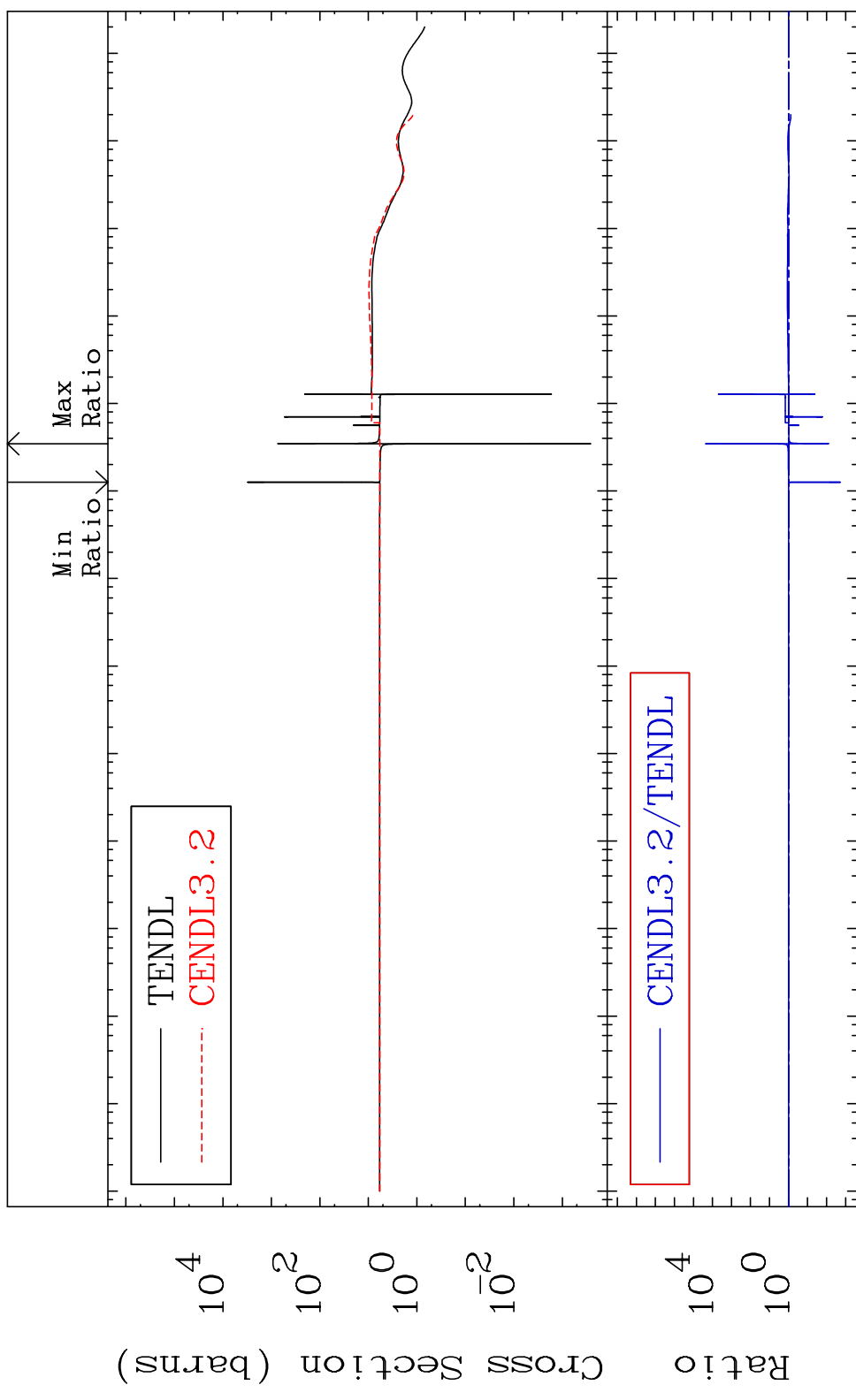
1

Incident Energy (eV)

38-Sr-90

MAT 3843

Elastic Cross Section -99.81 To 9999. % 38-Sr-90

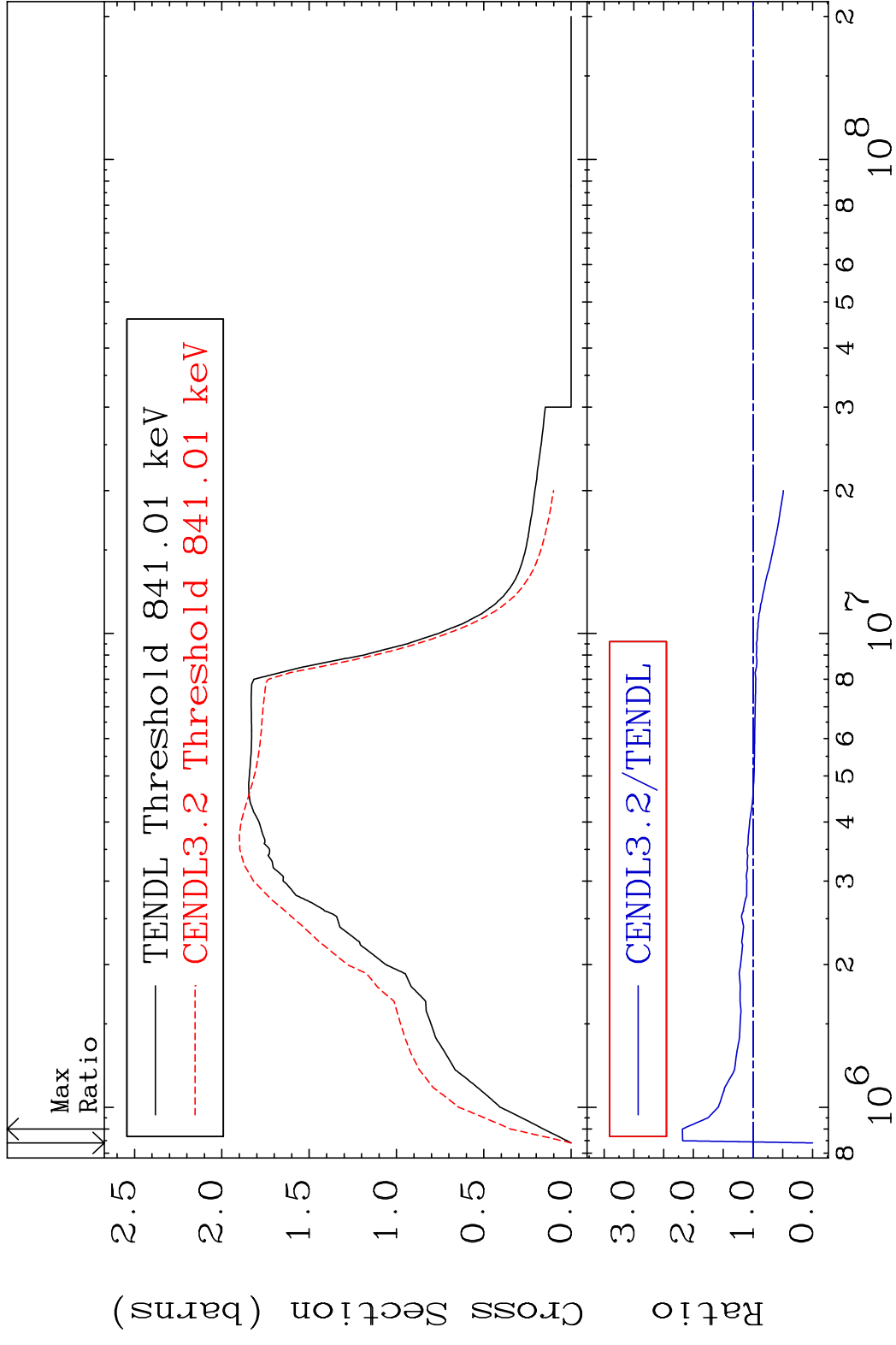


2

Incident Energy (eV)

38-Sr-90

MAT 3843 Inelastic 38-Sr-90
 Cross Section -100.0 To 118.6 %



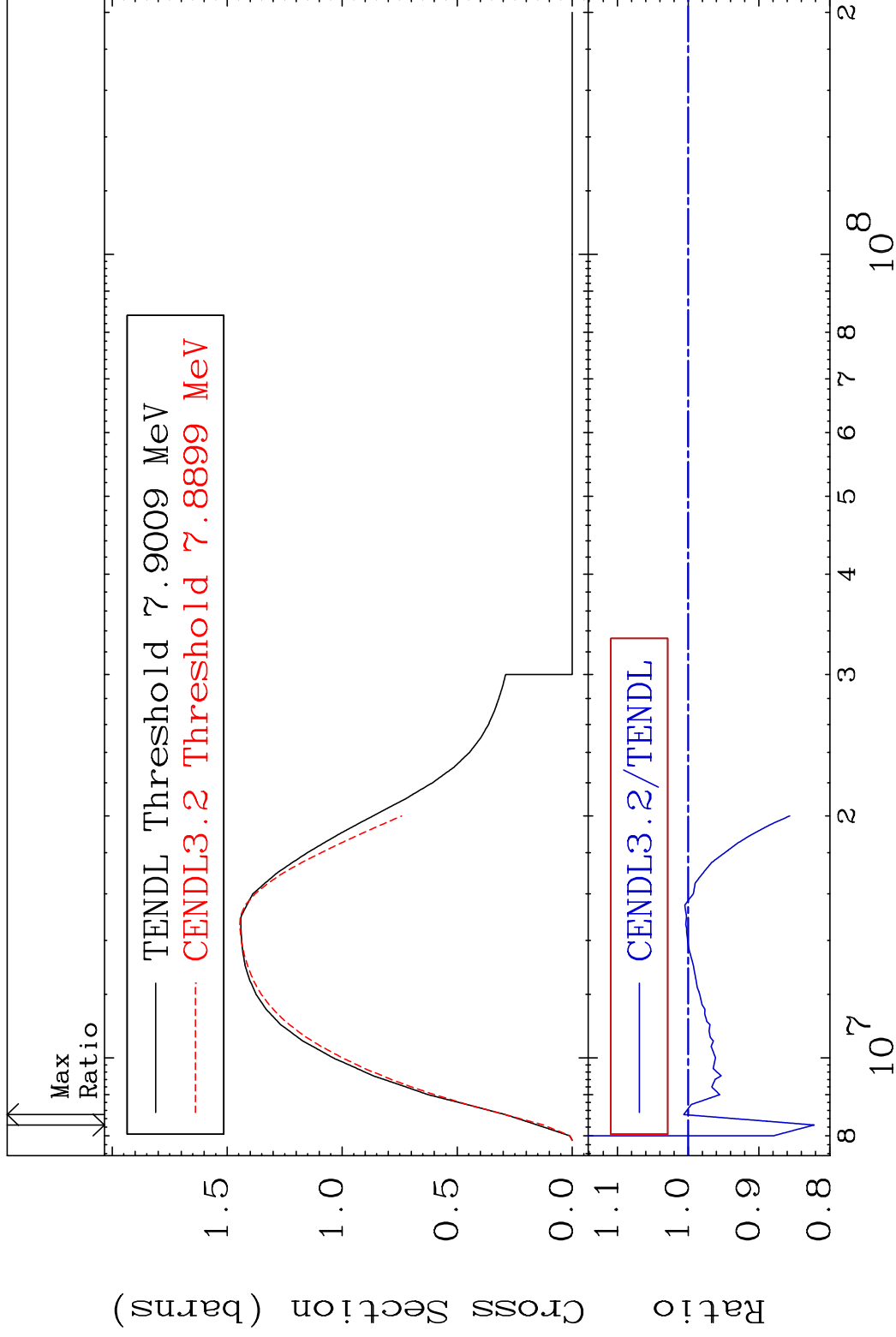
3 Incident Energy (eV) 38-Sr-90

MAT 3843

(n,2n)

38-Sr-90

Cross Section -17.79 To 0.635 %



4

Incident Energy (eV)

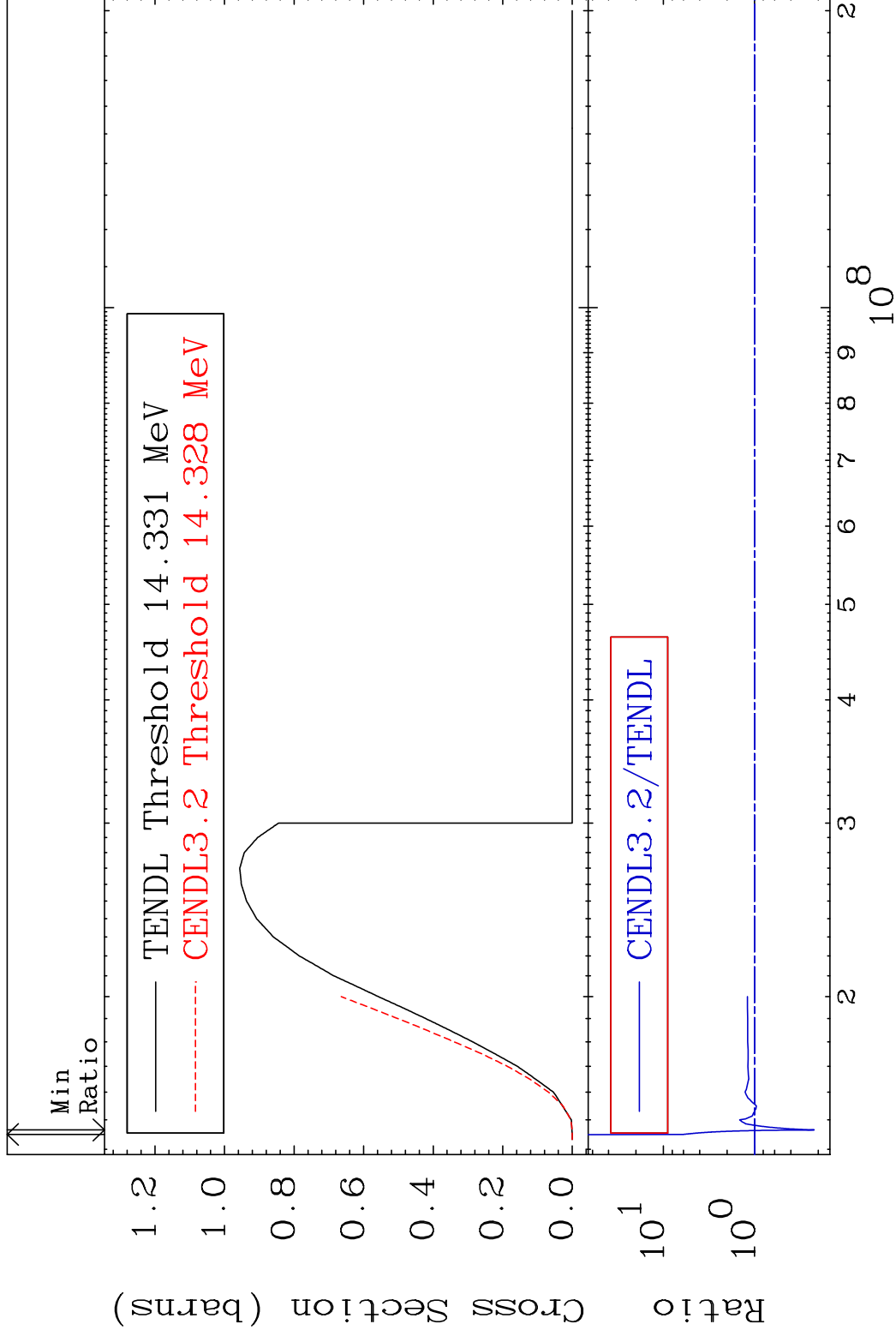
38-Sr-90

MAT 3843

(n,3n)

38-Sr-90

Cross Section -77.83 To 498.5 %



5

Incident Energy (eV)

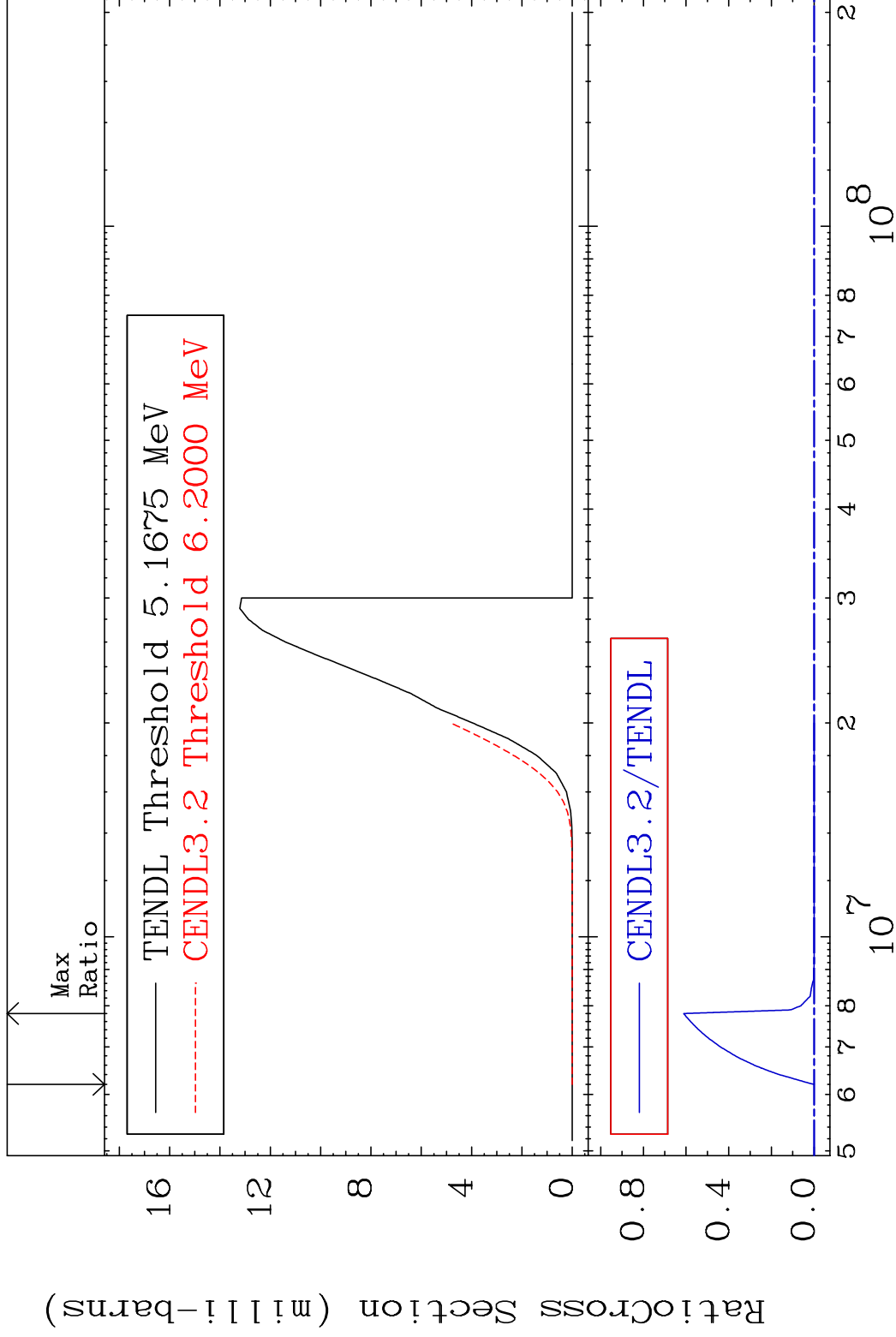
38-Sr-90

MAT 3843

(n, n') α

38-Sr-90

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

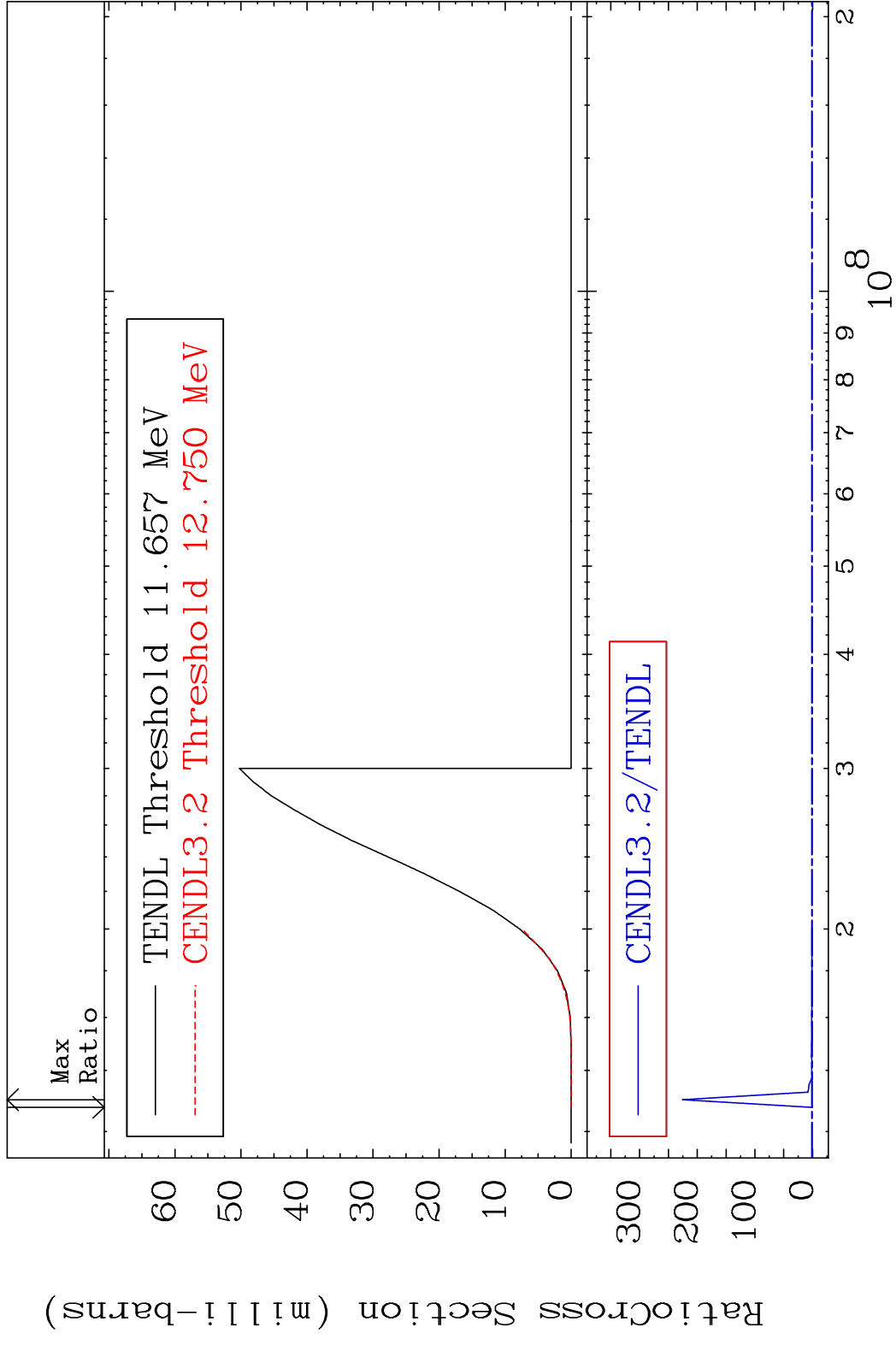
38-Sr-90

MAT 3843

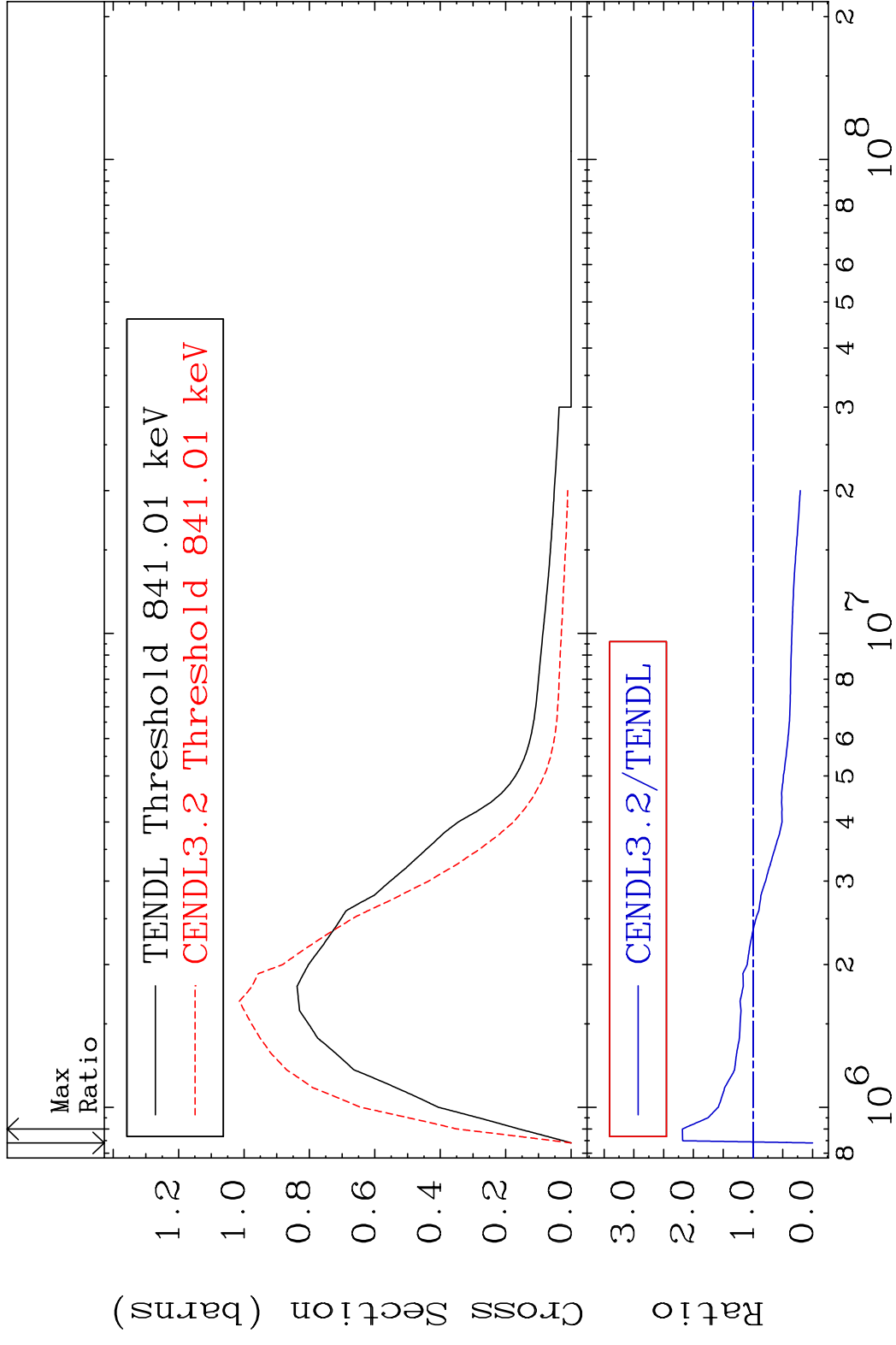
(n, n') p

38-Sr-90

Cross Section -100.0 To 9999. %

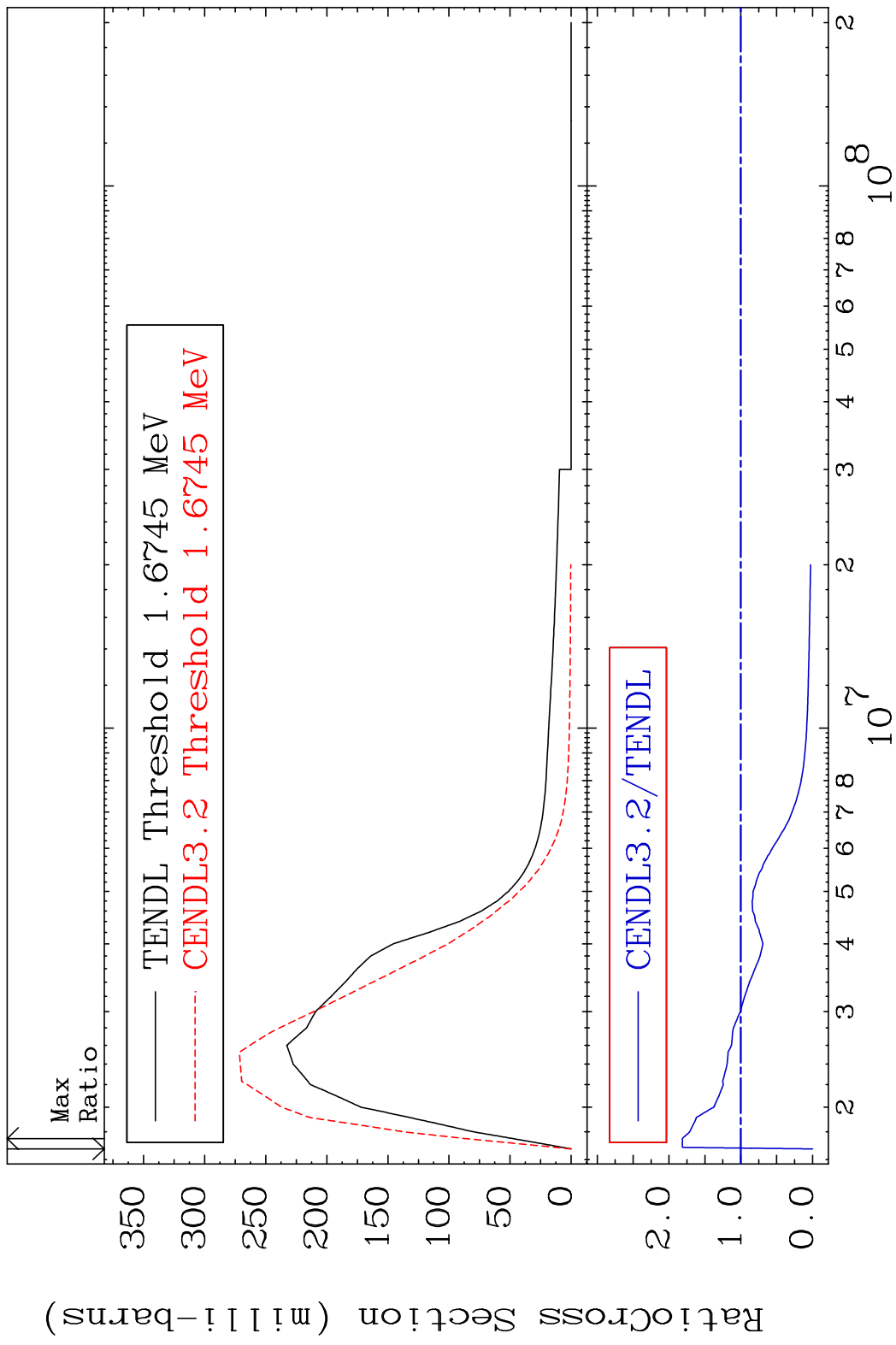


MAT 3843 MT= 51 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 118.6 %

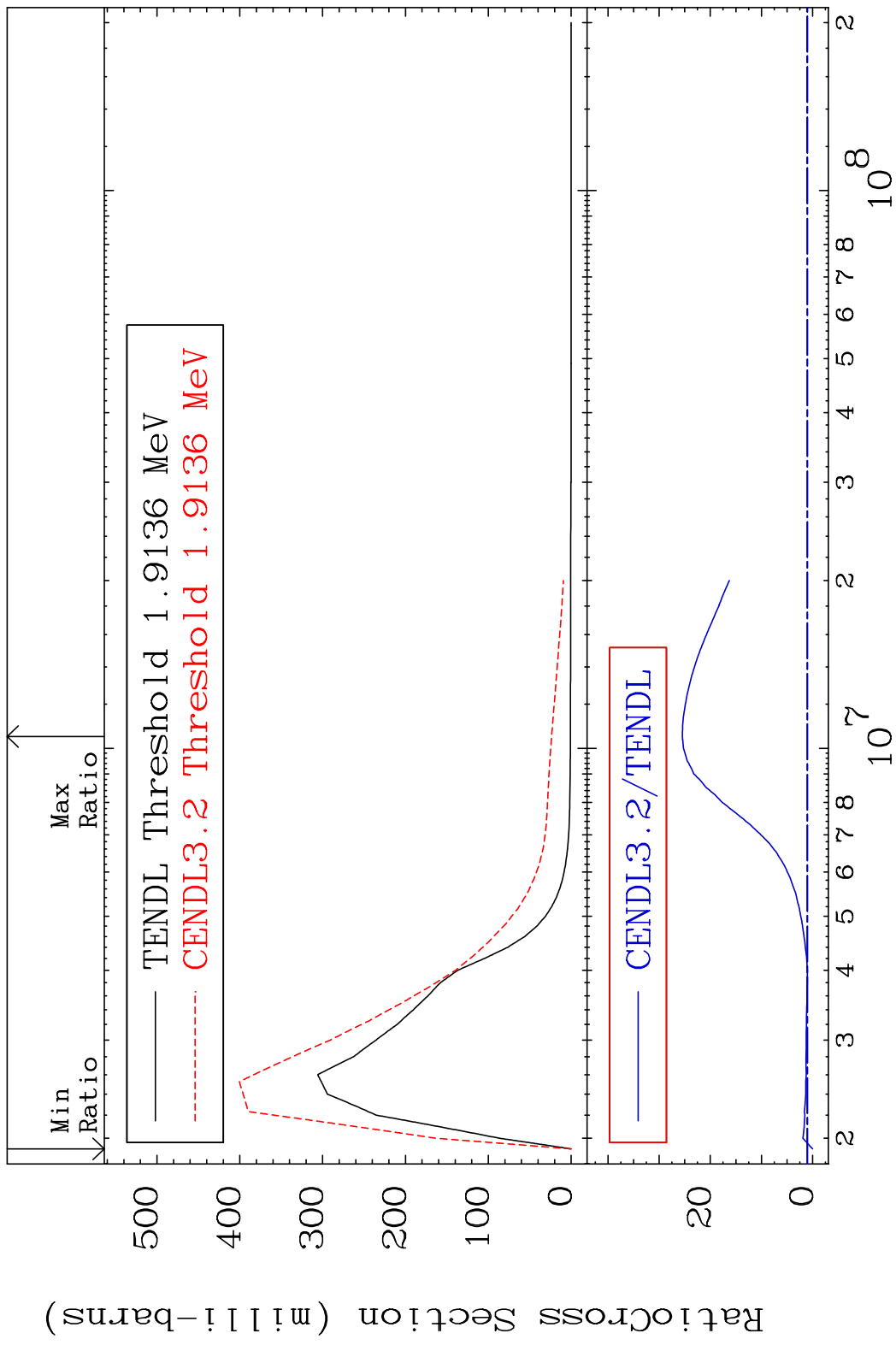


8 Incident Energy (eV) 38-Sr-90

MAT 3843 MT= 52 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 81.44 %

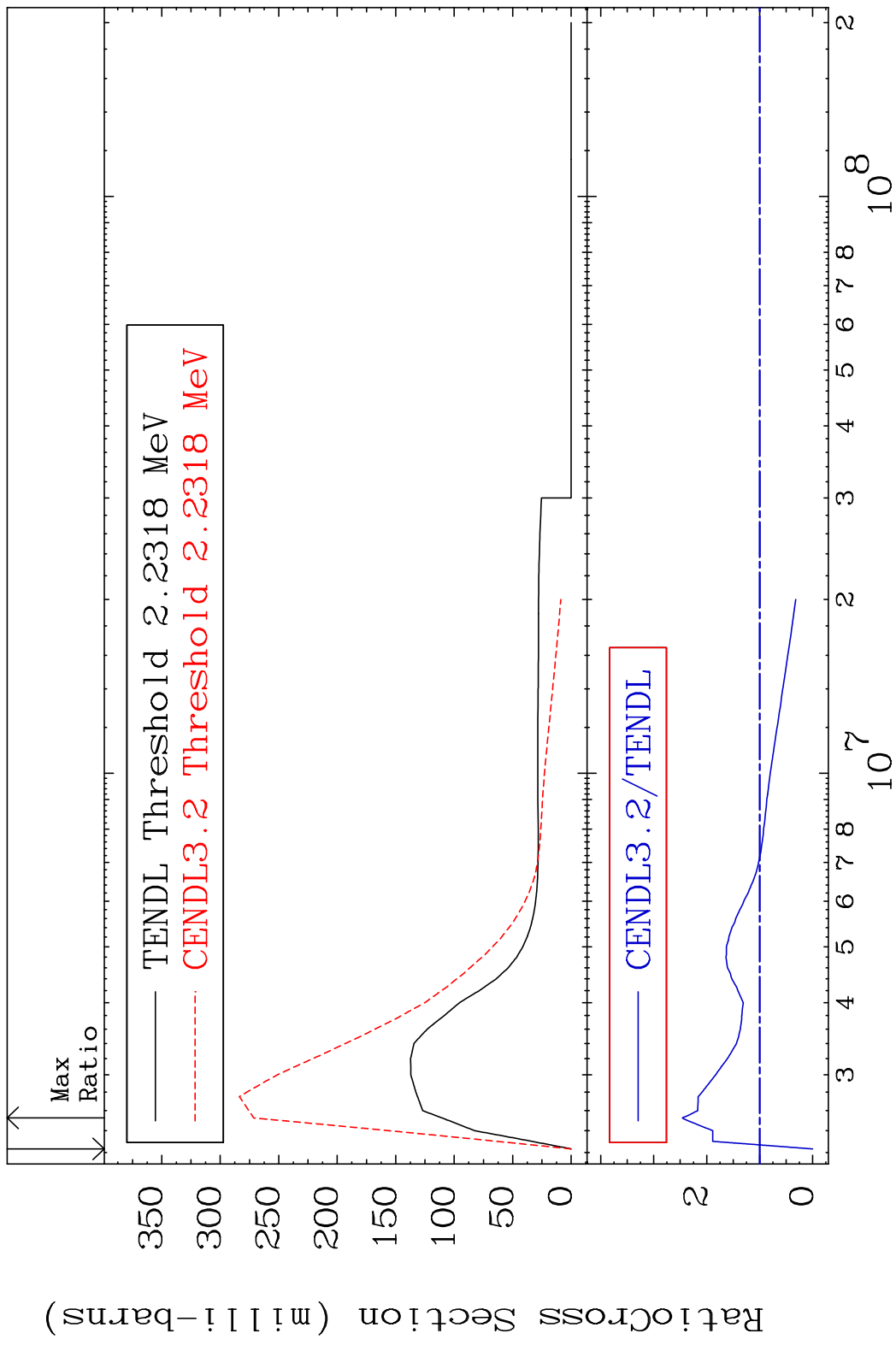


MAT 3843 MT= 53 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 2447. %

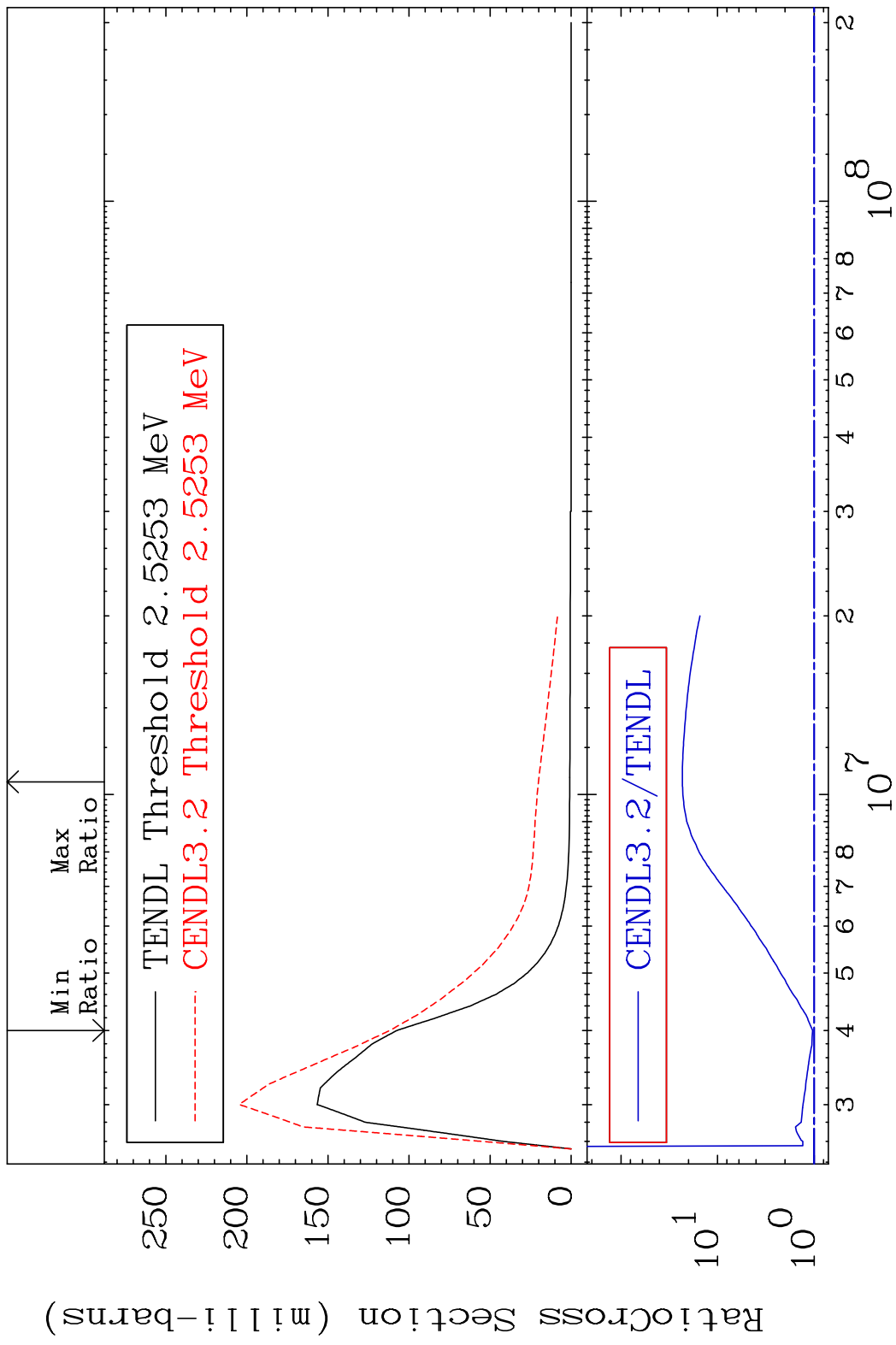


10 10 3 4 5 6 7 8 10⁸ 2 38-Sr-90

MAT 3843 MT= 54 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 146.0 %



MAT 3843 MT= 55 (n,n') Level 38-Sr-90
 Cross Section 3.969 To 2215. %

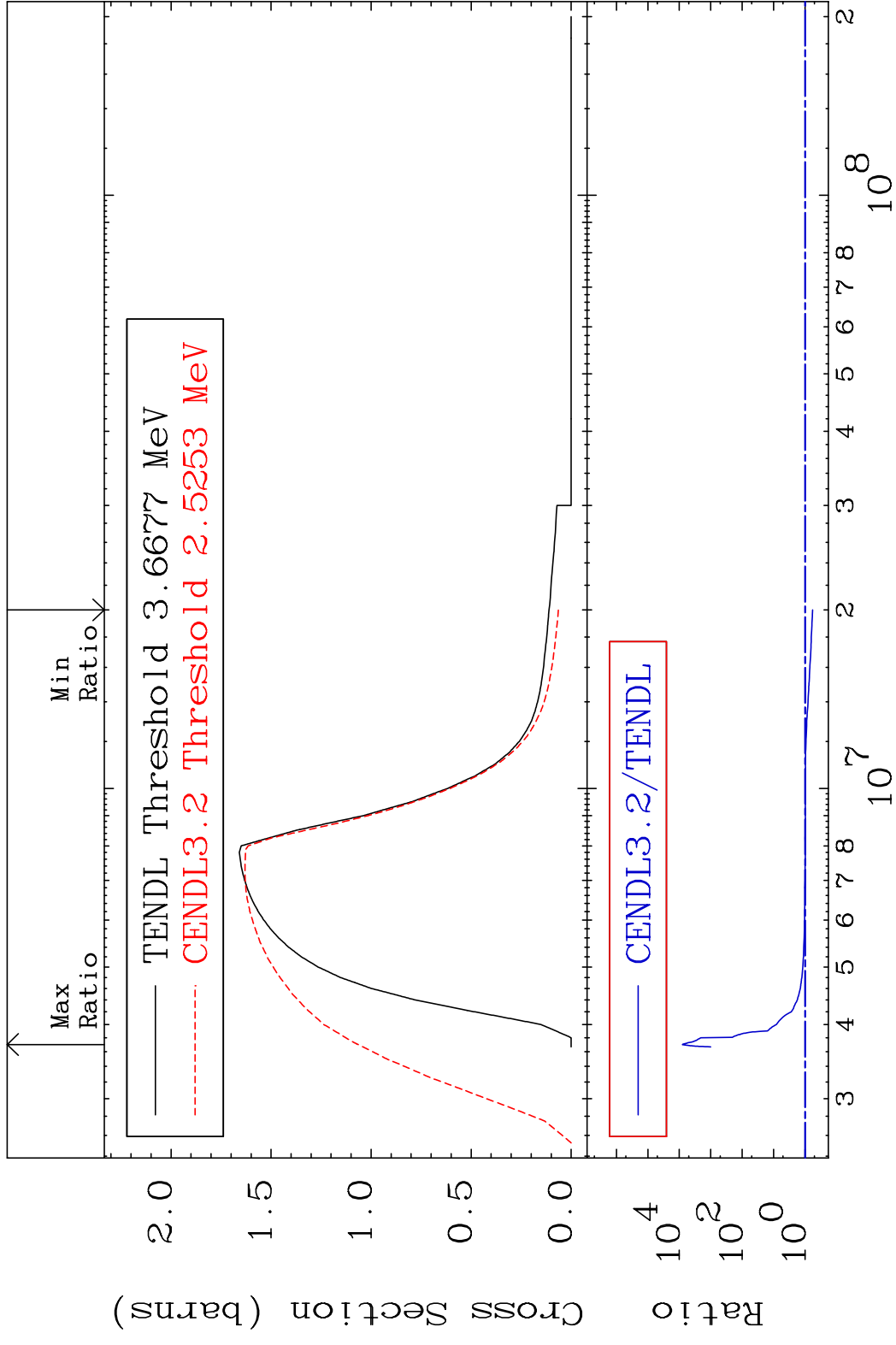


MAT 3843

(n,n') Continuum

38-Sr-90

Cross Section -42.43 To 9999. %



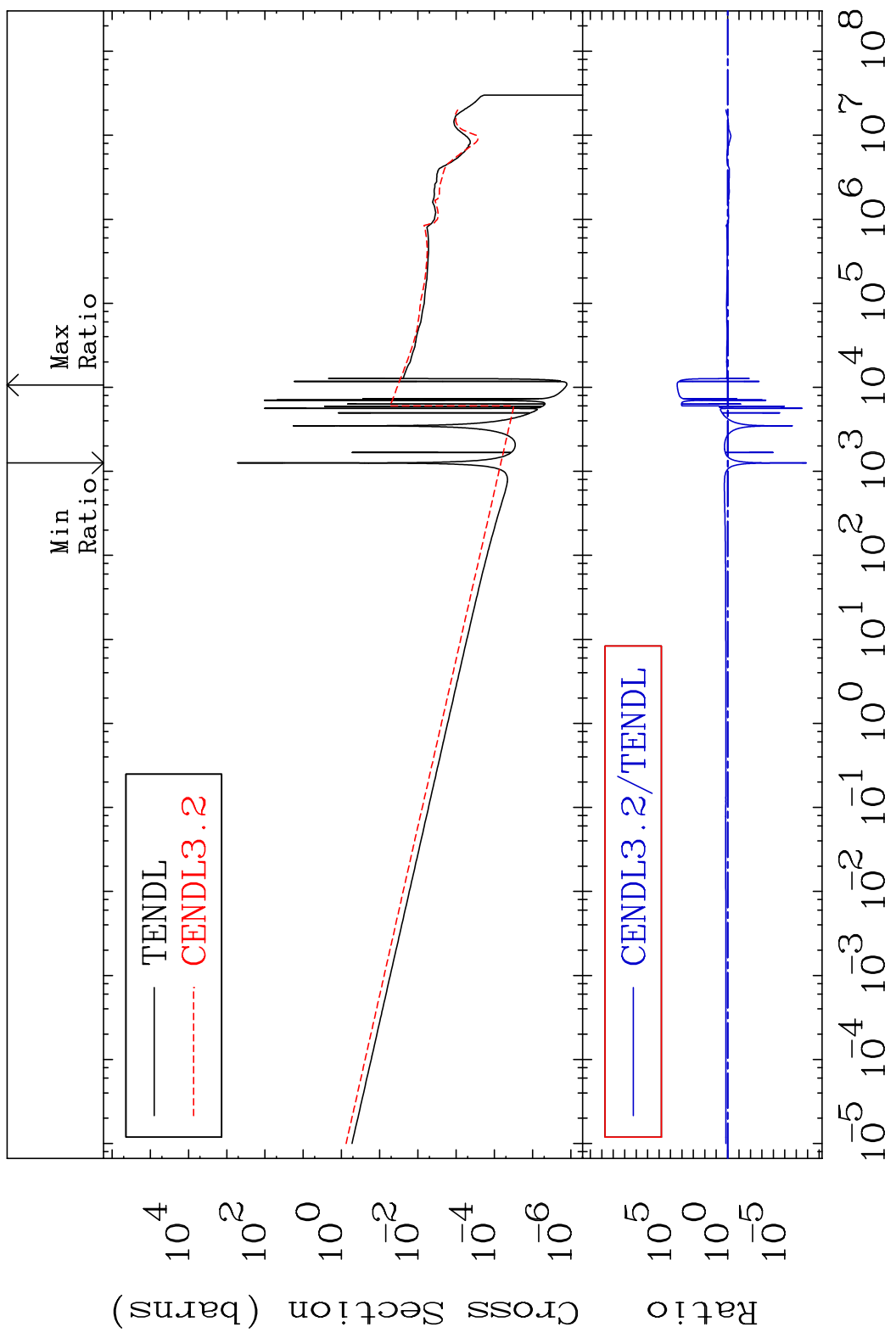
13

Incident Energy (eV)

38-Sr-90

MAT 3843

(n, γ)
Cross Section -100.0 To 9999. %
38-Sr-90



14

Incident Energy (eV)

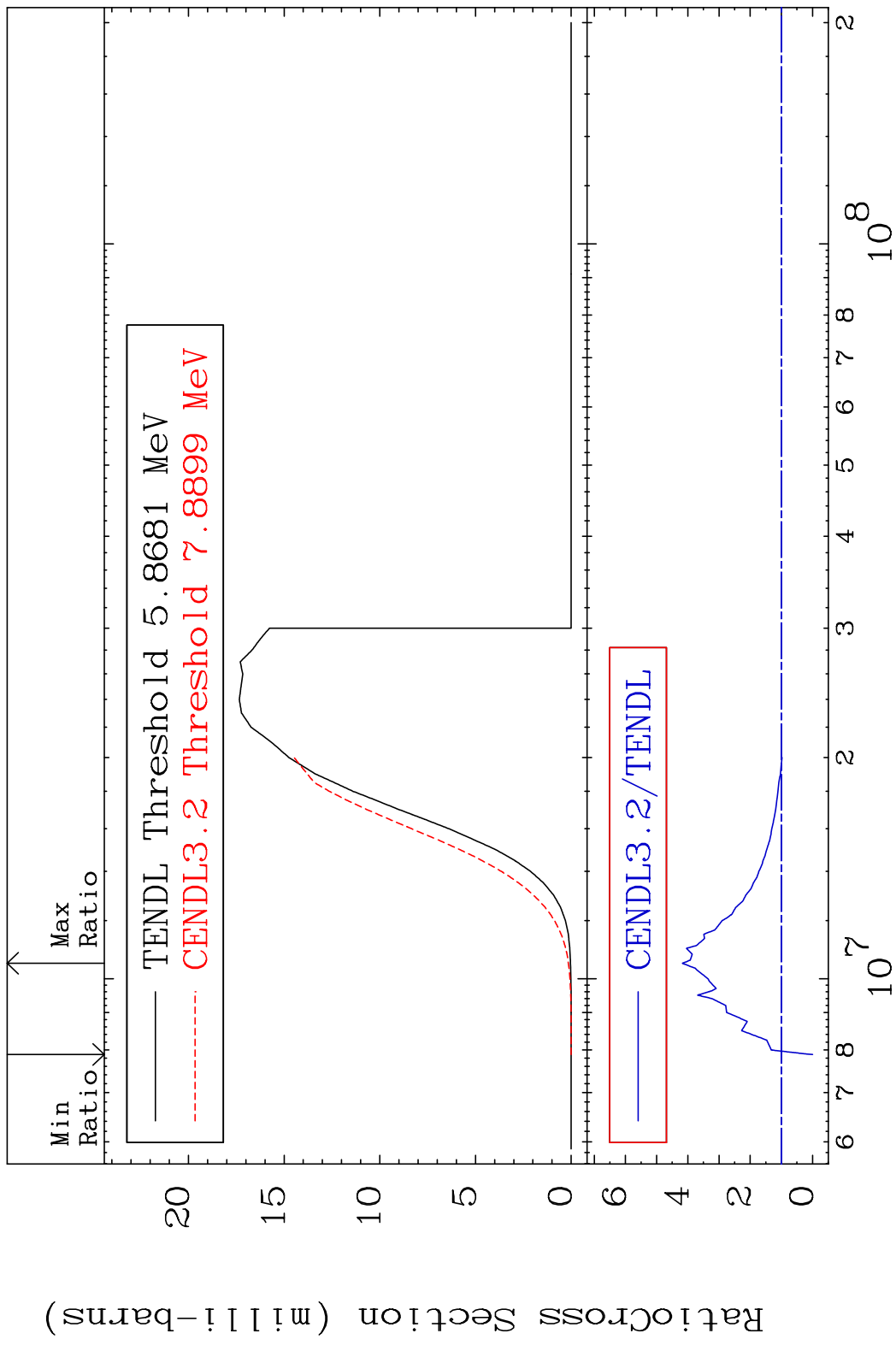
38-Sr-90

MAT 3843

(n,p)

38-Sr-90

Cross Section -100.0 To 317.5 %



15

Incident Energy (eV)

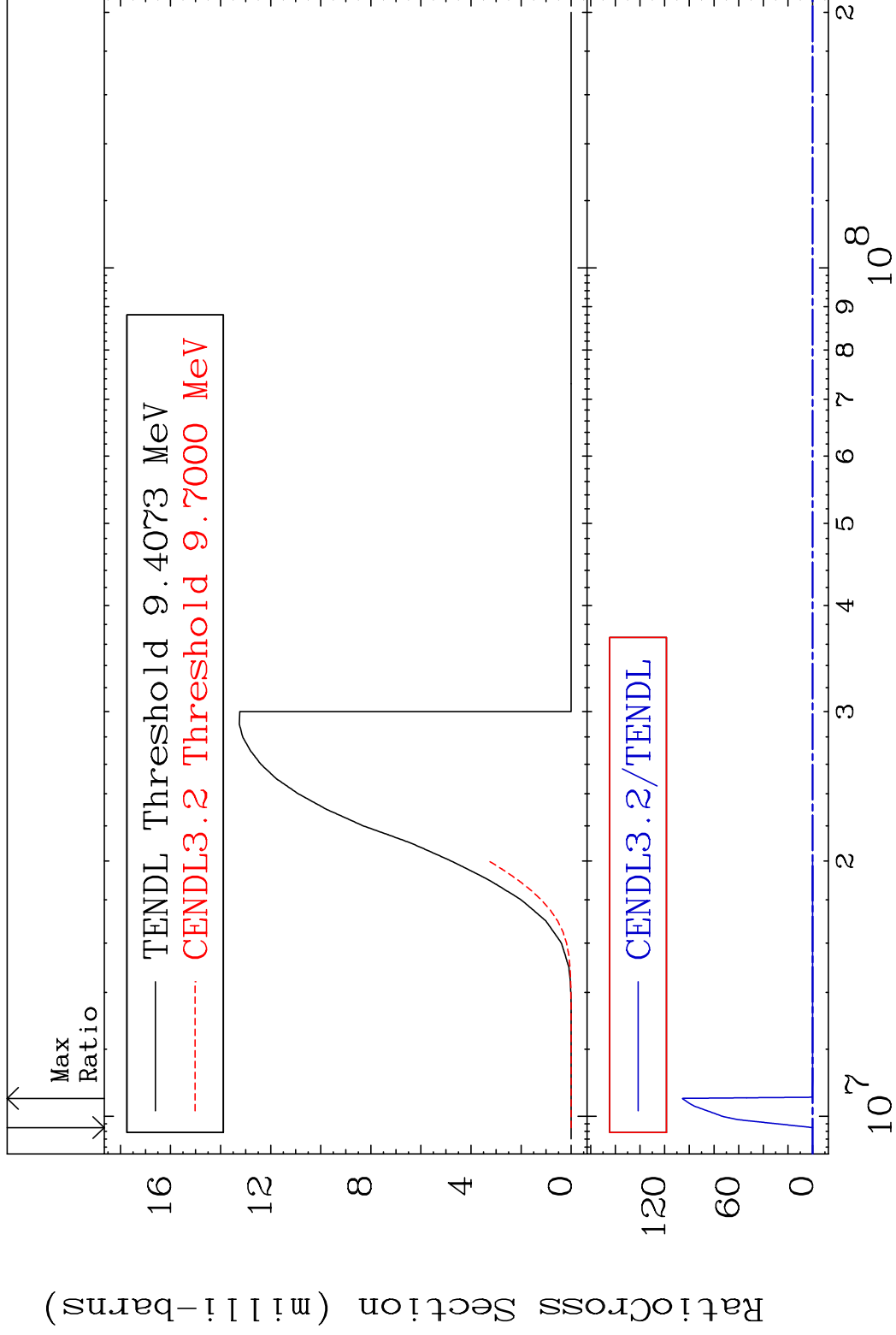
38-Sr-90

MAT 3843

(n,d)

38-Sr-90

Cross Section -100.0 To 9999. %

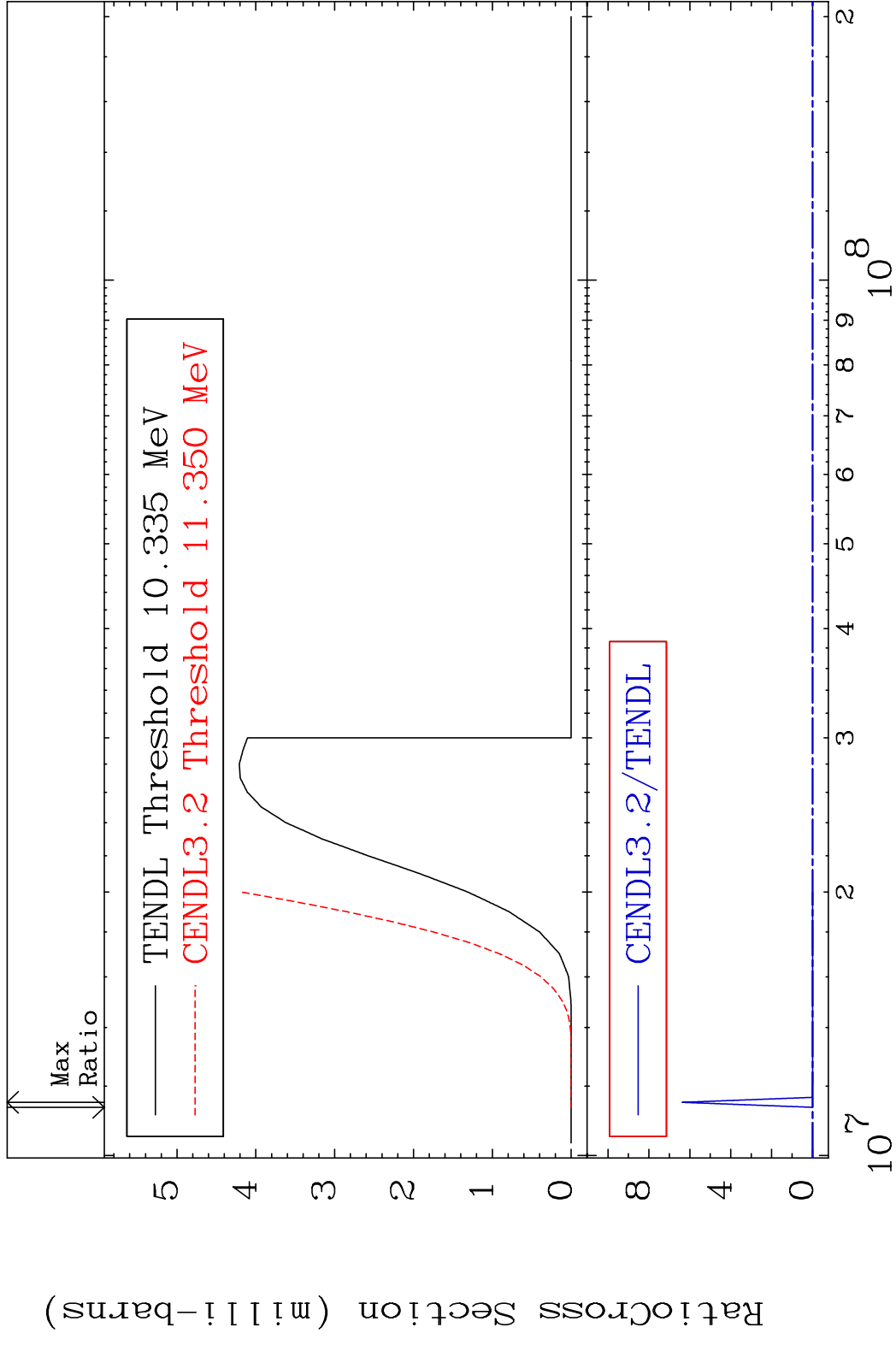


16

Incident Energy (eV)

38-Sr-90

MAT 3843 (n, t) 38-Sr-90
 Cross Section -100.0 To 9999. %



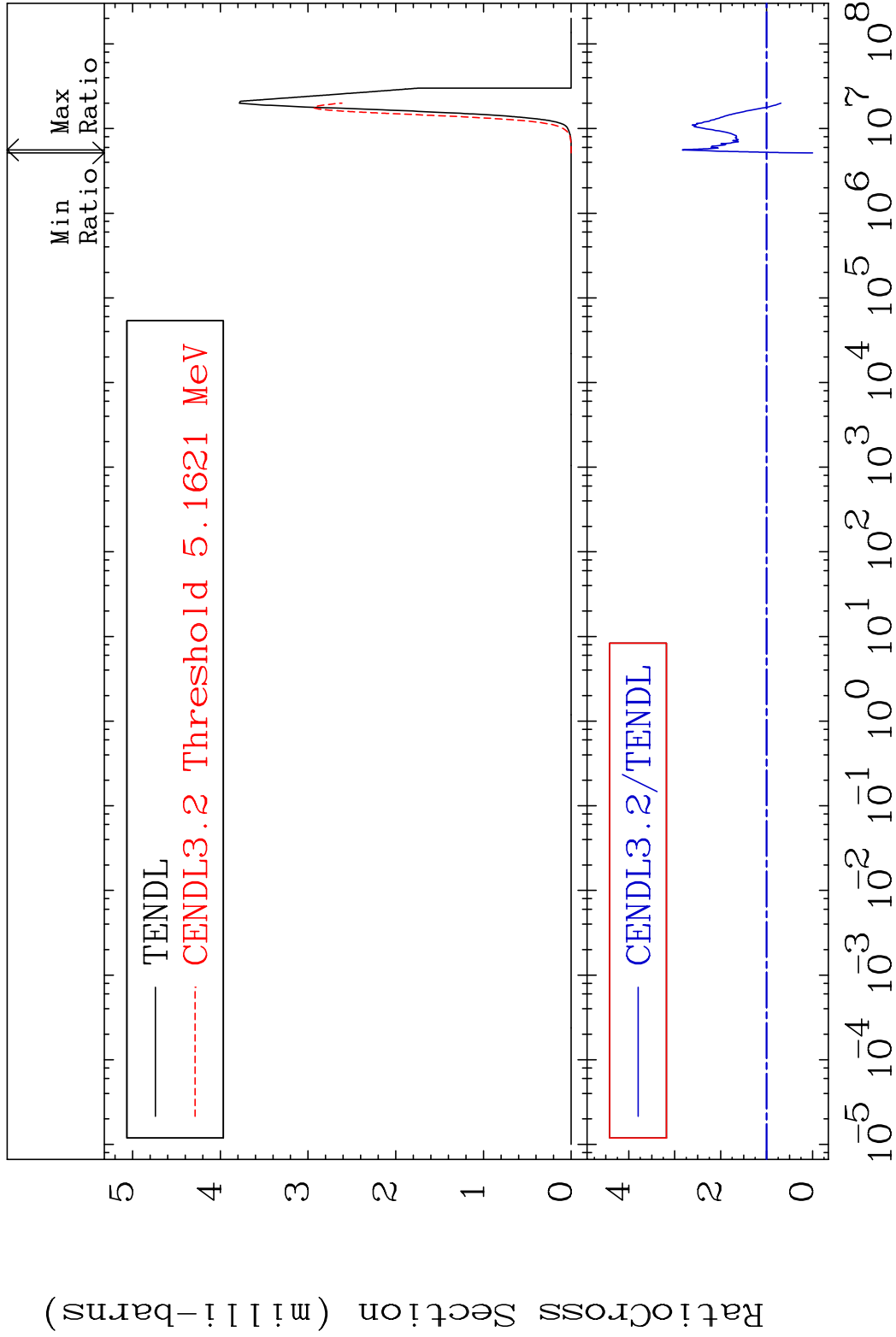
17 38-Sr-90

MAT 3843

(n, α)

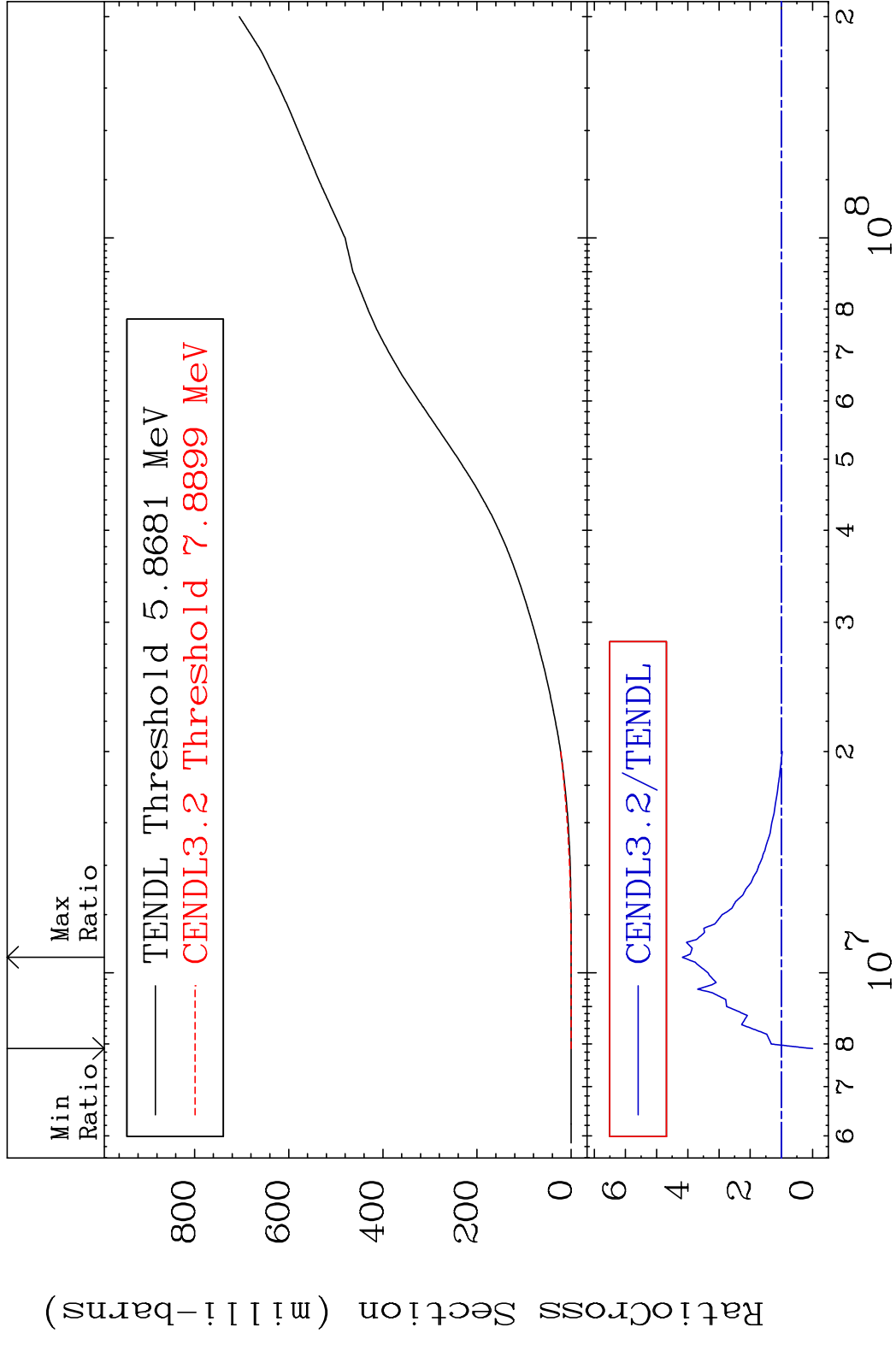
38-Sr-90

Cross Section -100.0 To 183.4 %

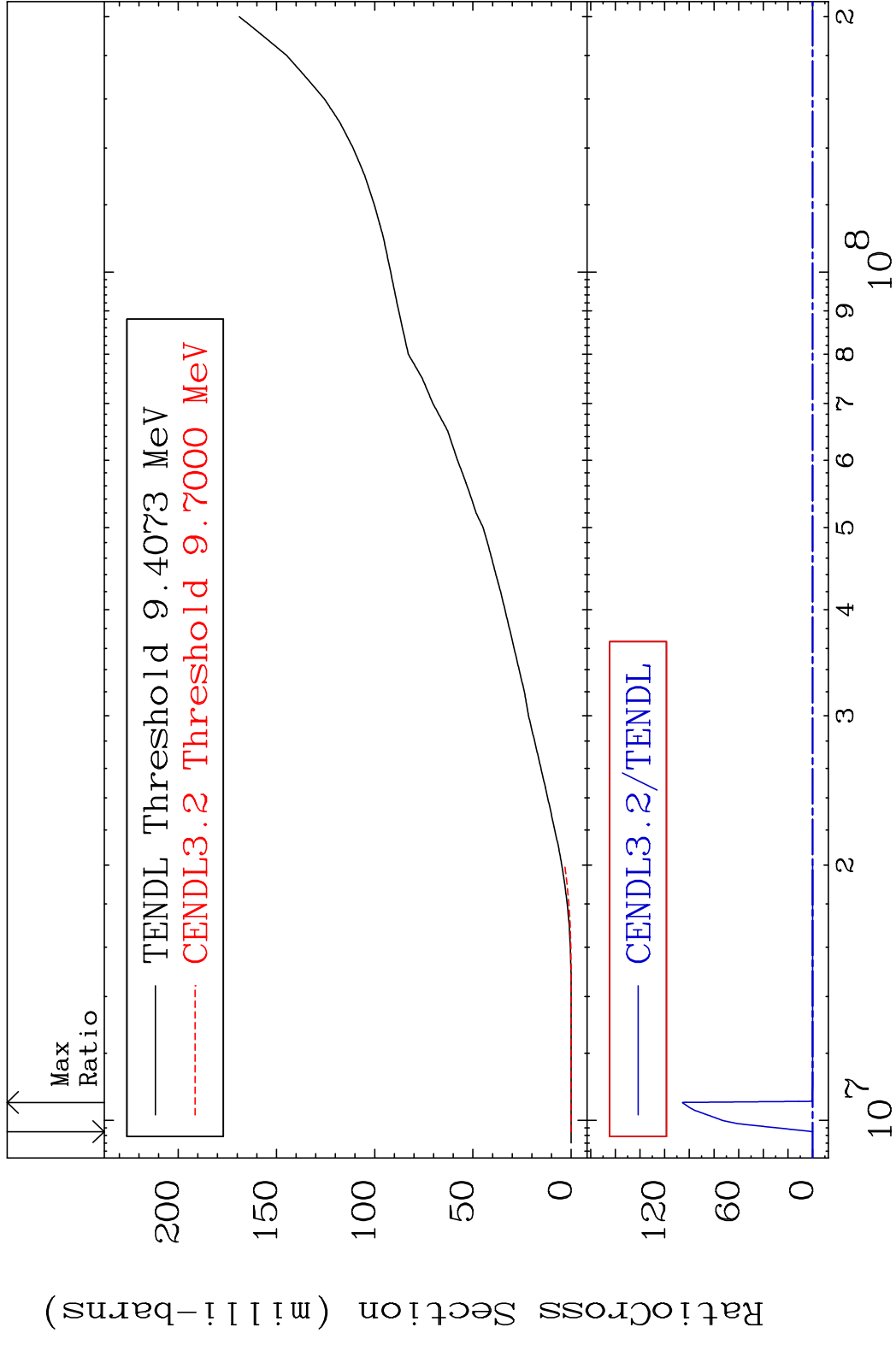


18

MAT 3843 Hydrogen Production 38-Sr-90
 Cross Section -100.0 To 317.5 %

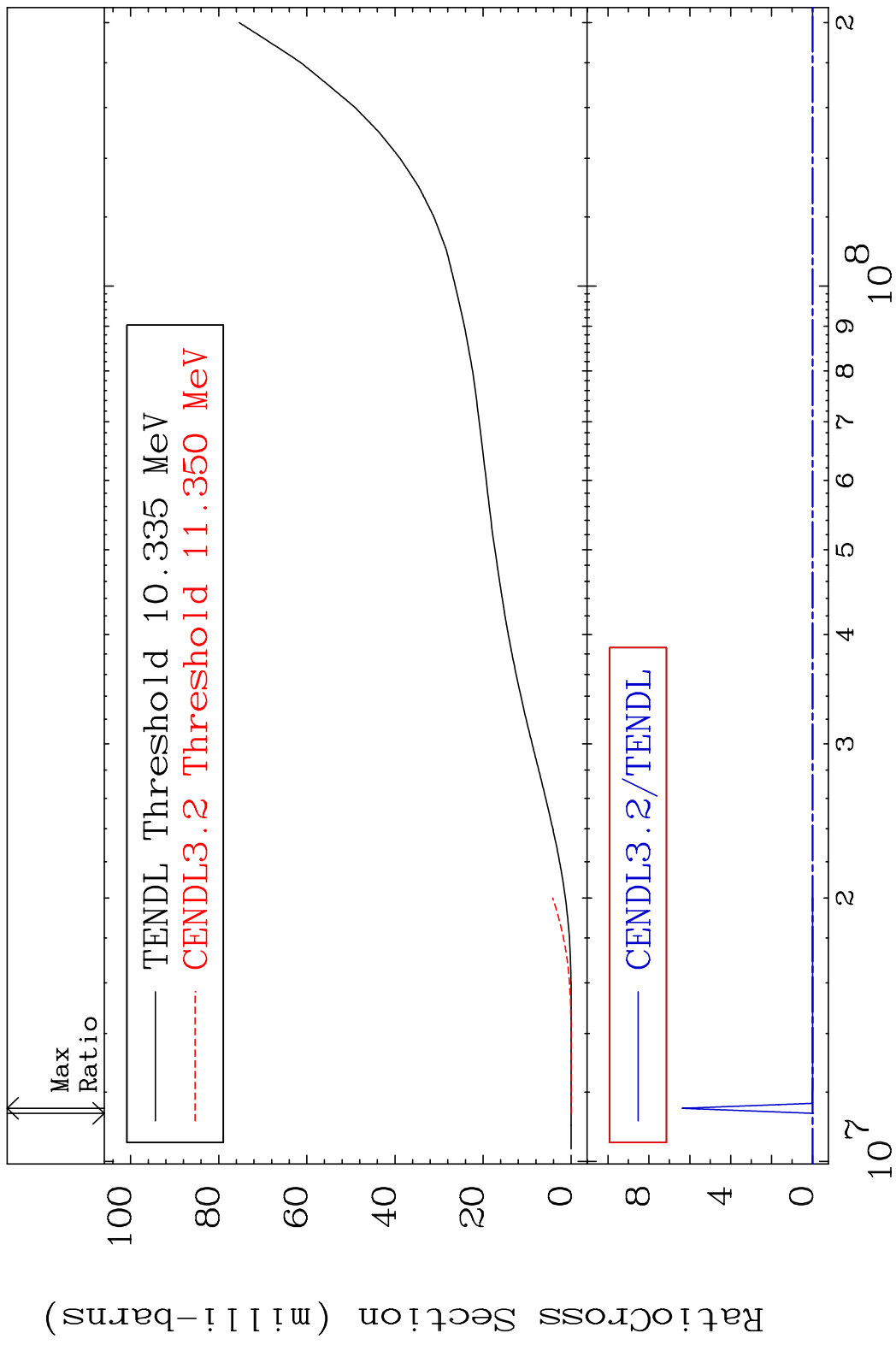


MAT 3843 Deuterium Production 38-Sr-90
Cross Section -100.0 To 9999. %



20 60 120 150 100 200 10⁷ 10⁸ 38-Sr-90

MAT 3843 Tritium Production 38-Sr-90
 Cross Section -100.0 To 9999. %



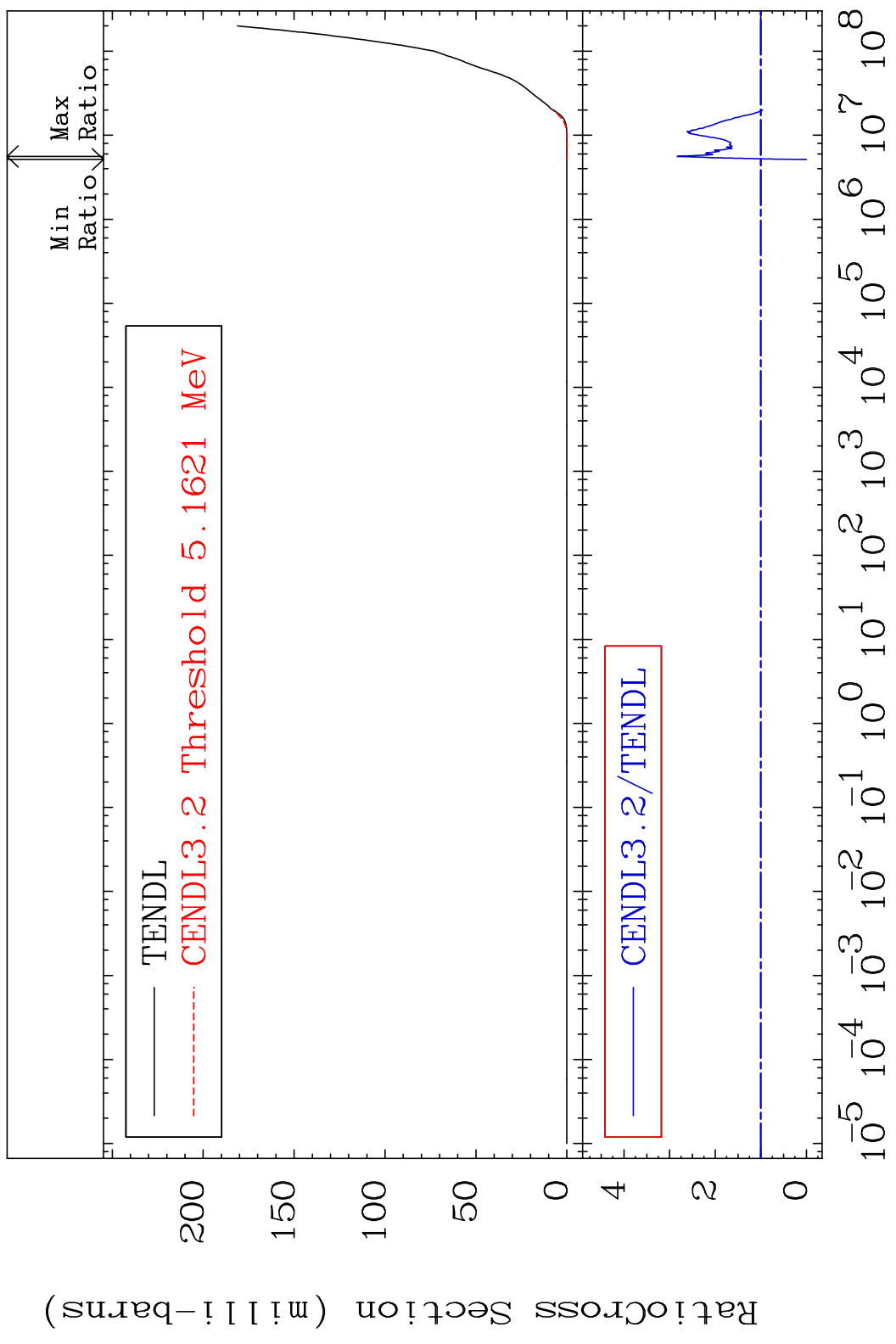
21 38-Sr-90

MAT 3843

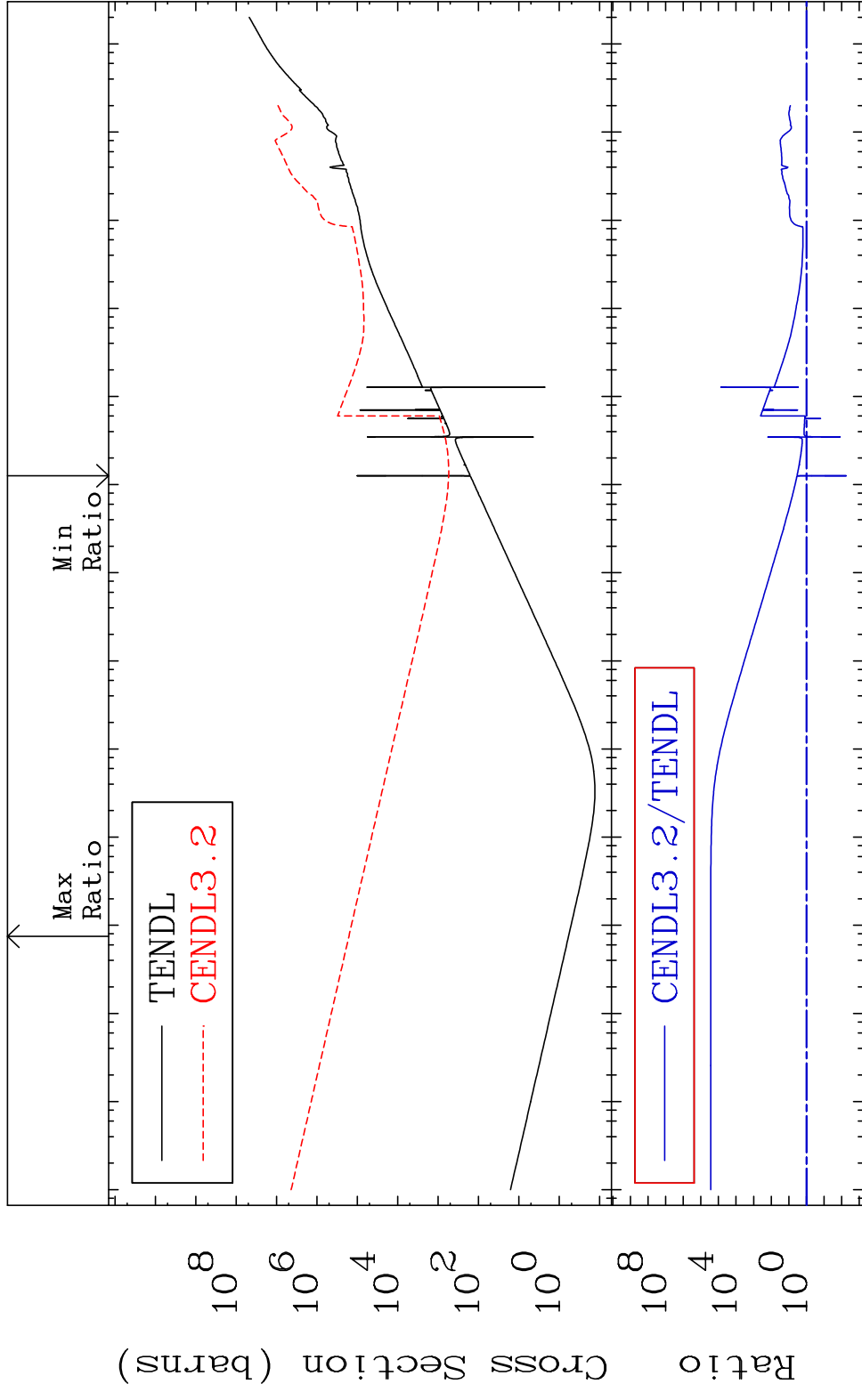
He-4 Production

38-Sr-90

Cross Section -100.0 To 183.4 %



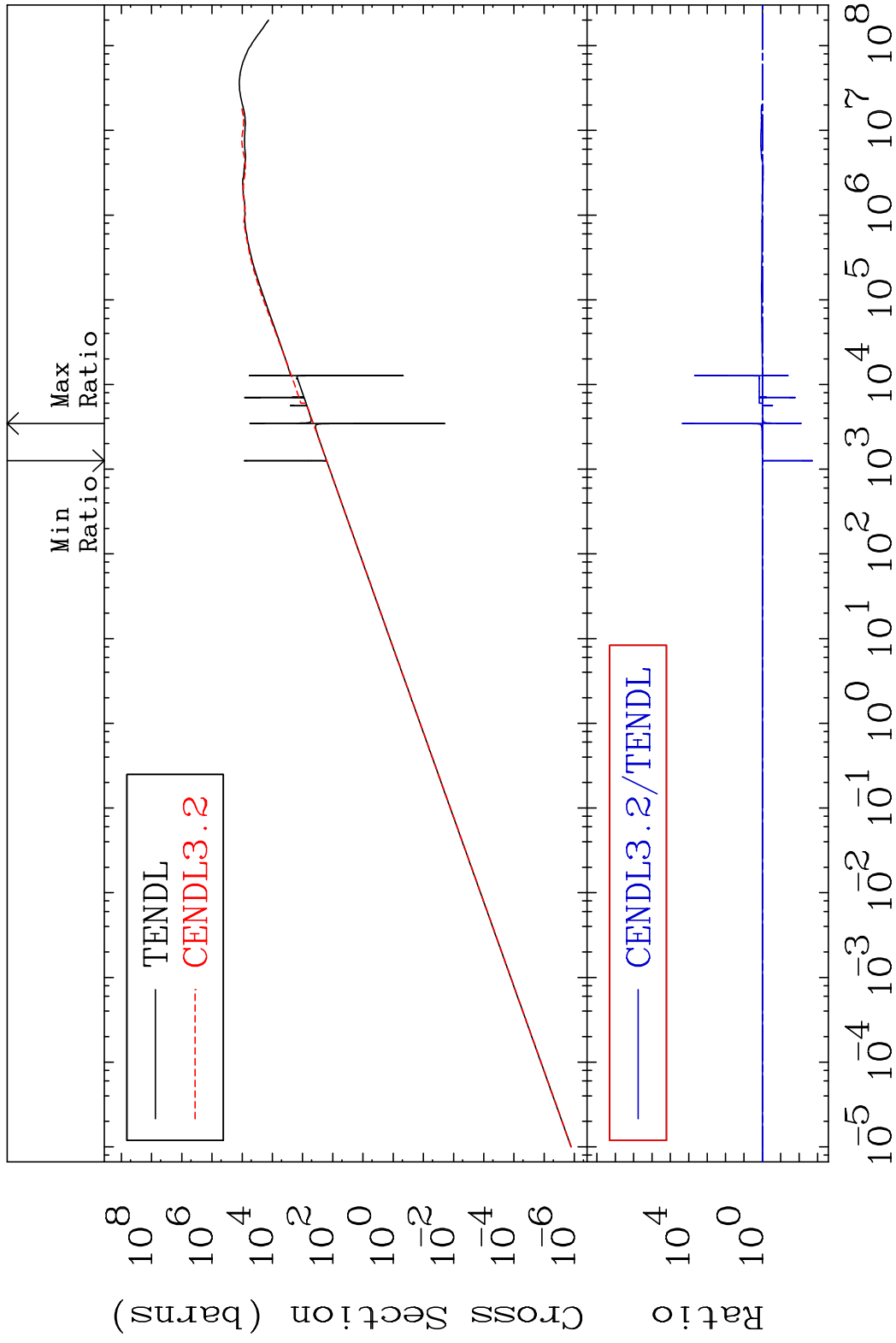
MAT 3843 Kerma total (eV-barns) 38-Sr-90
 Cross Section -99.46 To 9999. %



23 Incident Energy (eV) 38-Sr-90

MAT 3843

Kerma elastic Cross Section -99.81 To 9999. %
38-Sr-90

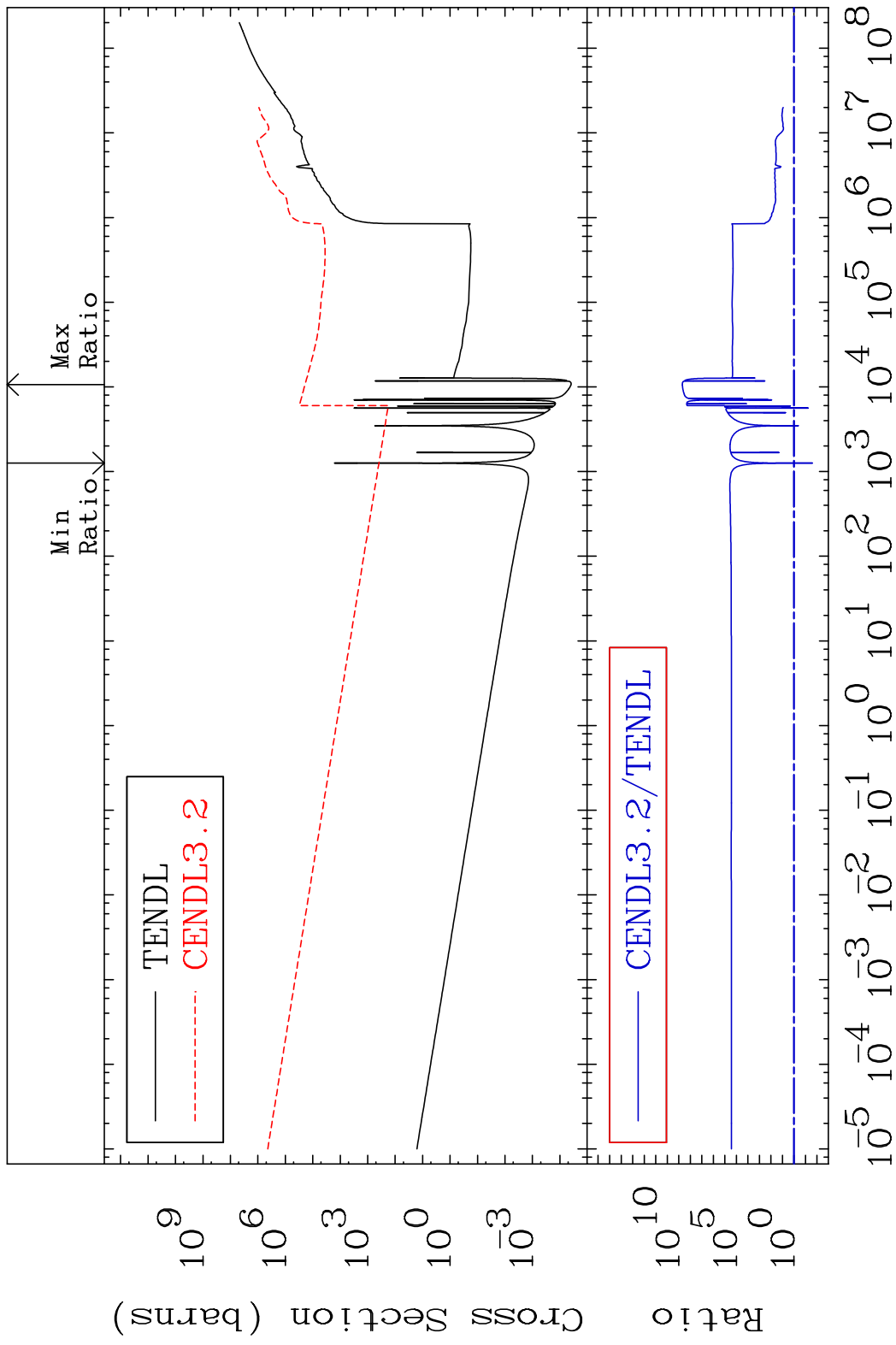


24

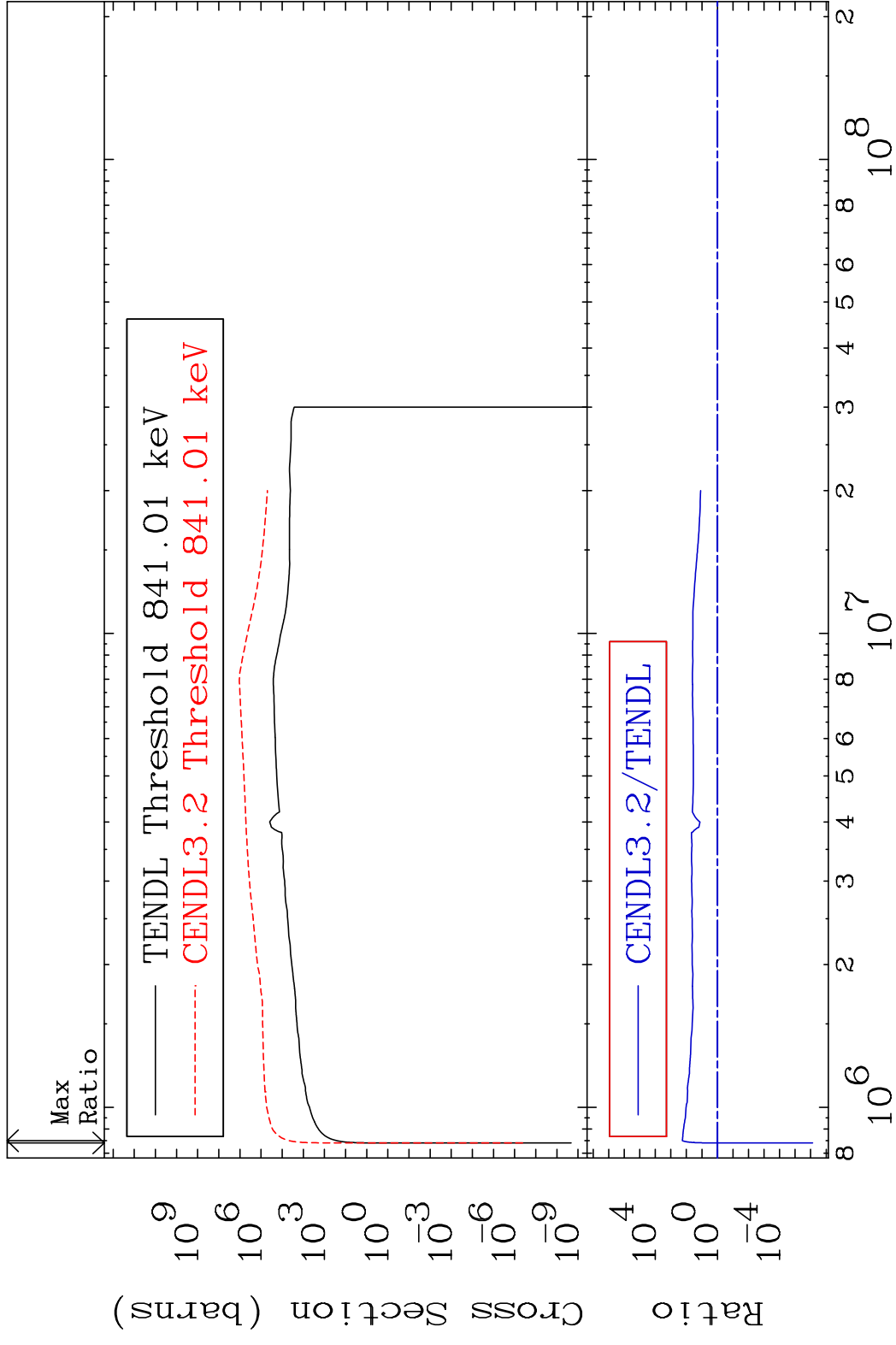
Incident Energy (eV)

38-Sr-90

MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90
 Cross Section -97.56 To 9999. %

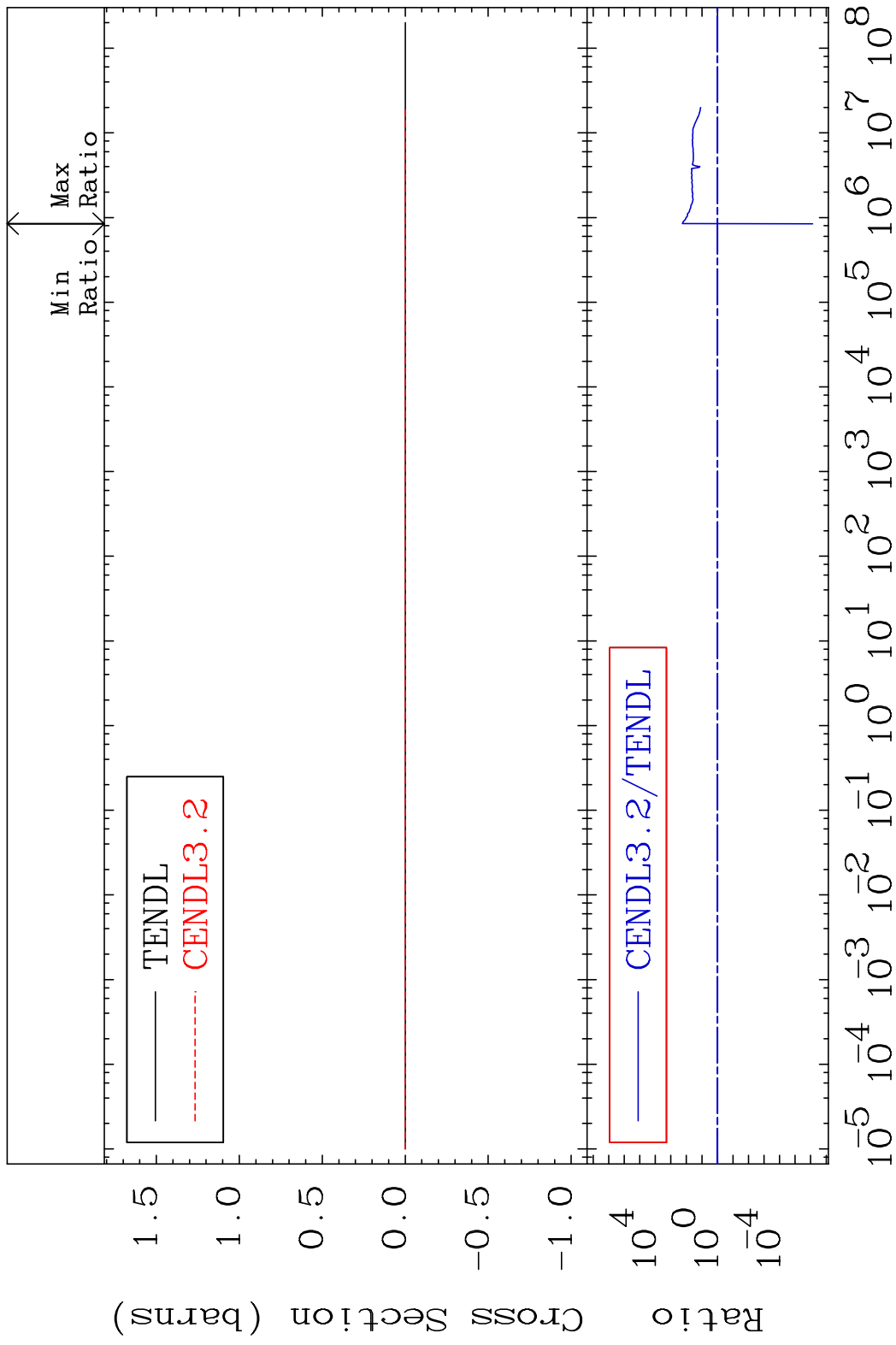


MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 9999. %



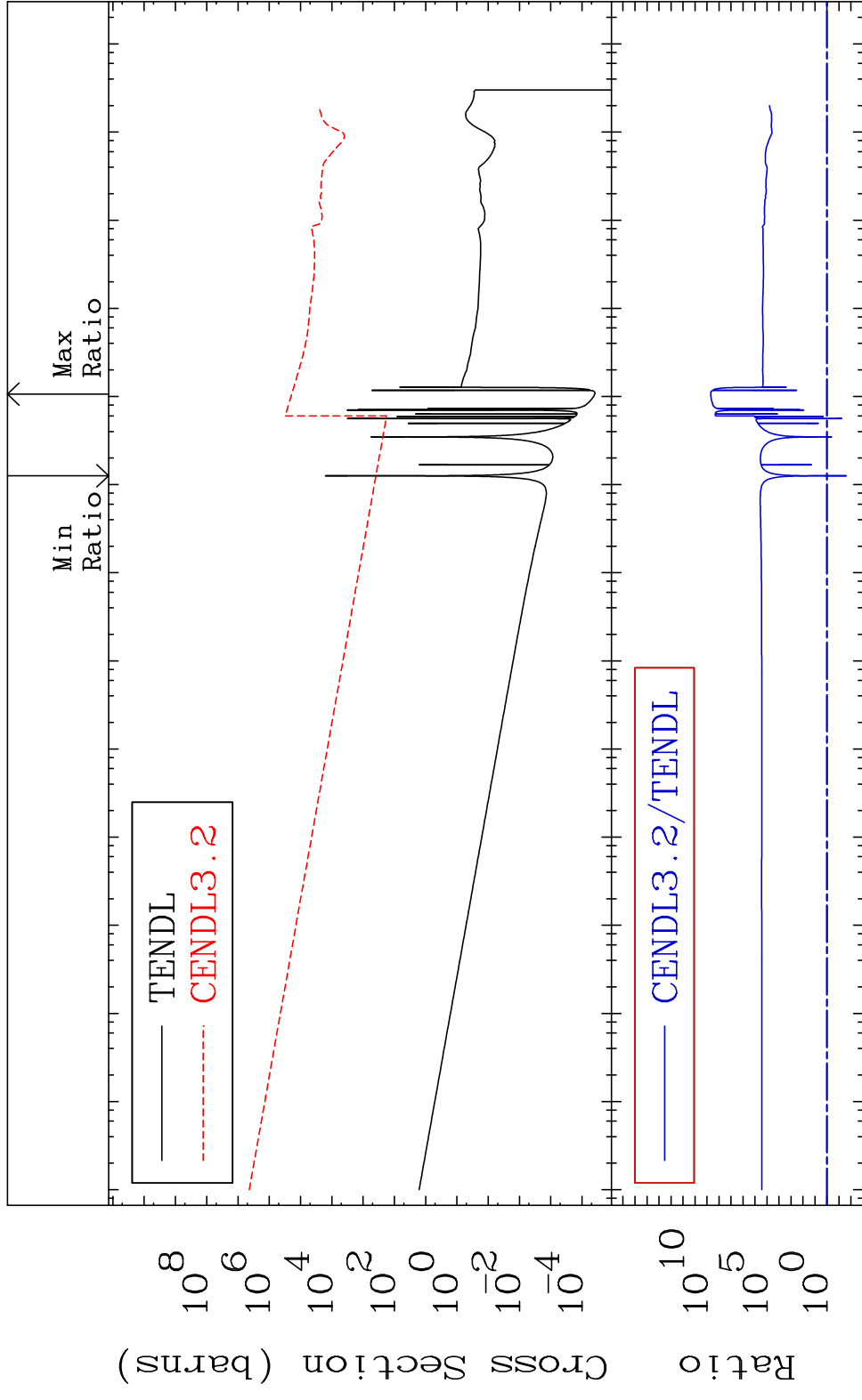
26 Incident Energy (eV) 38-Sr-90

MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90
 Cross Section -100.0 To 9999. %



MAT 3843

Kerma capture (mt102) 38-Sr-90
Cross Section -97.56 To 9999. %

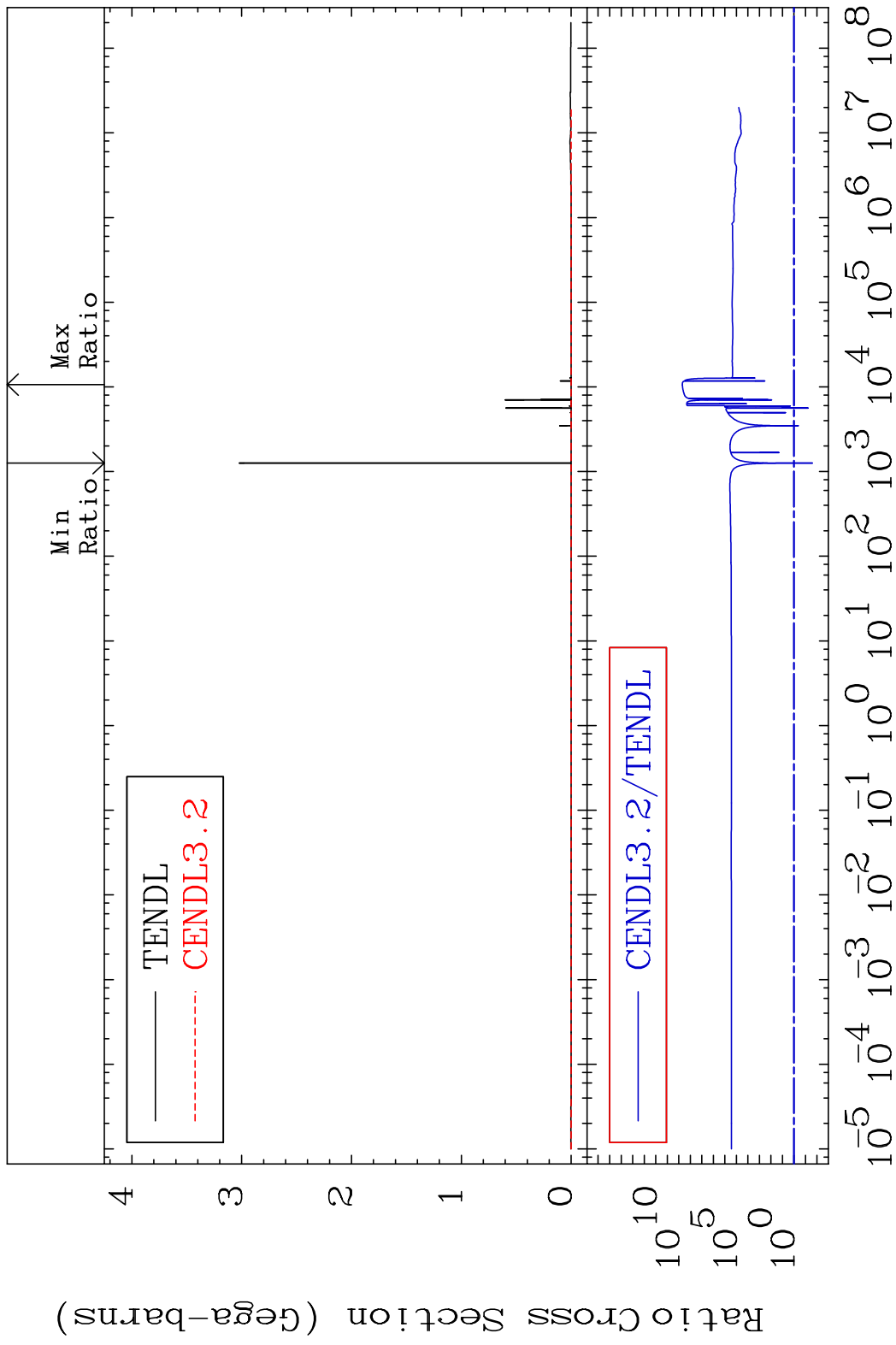


28

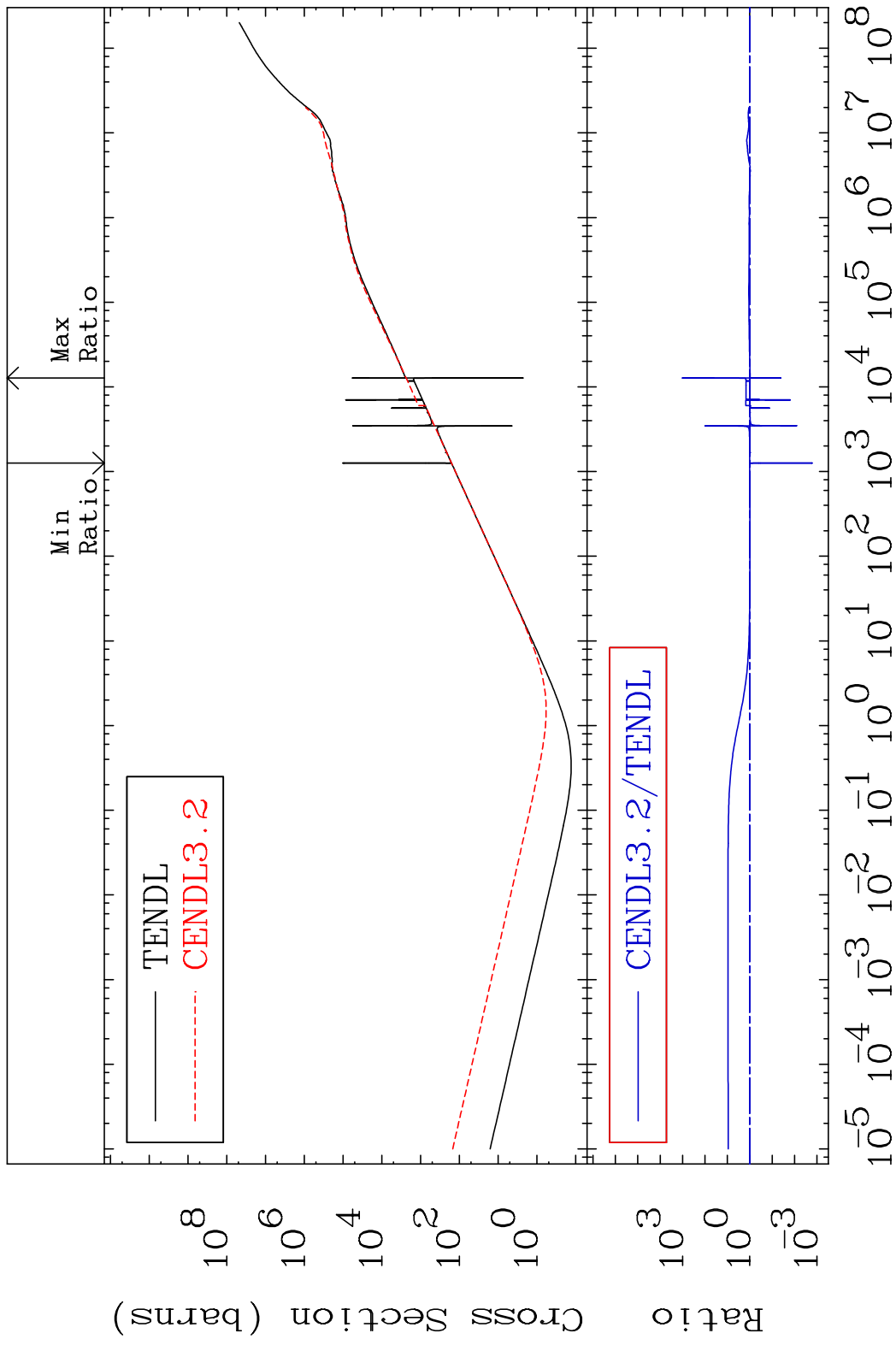
Incident Energy (eV)

38-Sr-90

MAT 3843 Total photon (eV-barns) 38-Sr-90
Cross Section -97.56 To 9999. %

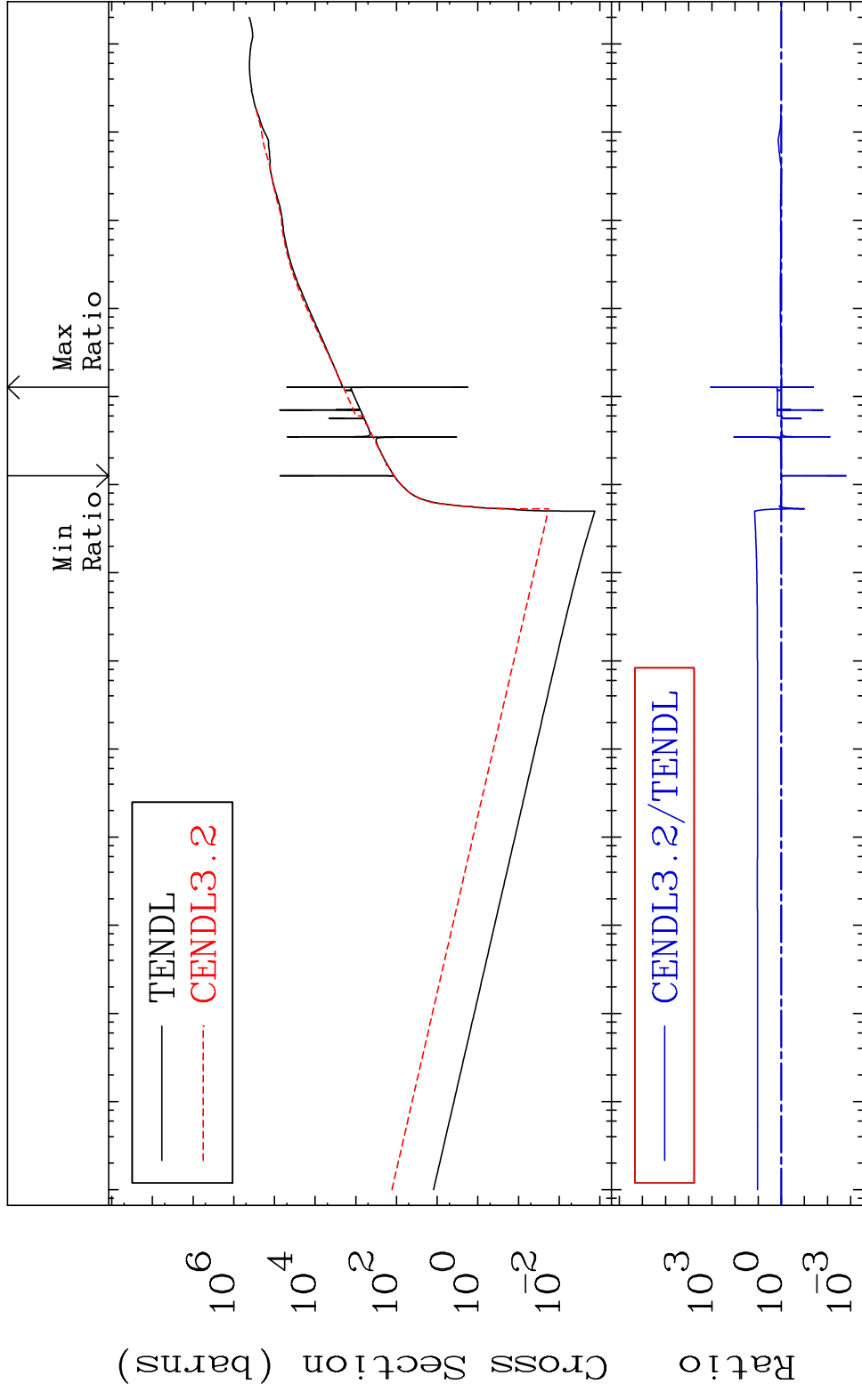


MAT 3843 Total kinematic kerma (high limit) 38-Sr-90
 Cross Section -99.84 To 9999. %



30 Incident Energy (eV) 38-Sr-90

MAT 3843 Dpa total (eV-barns) 38-Sr-90
 Cross Section -99.85 To 9999. %



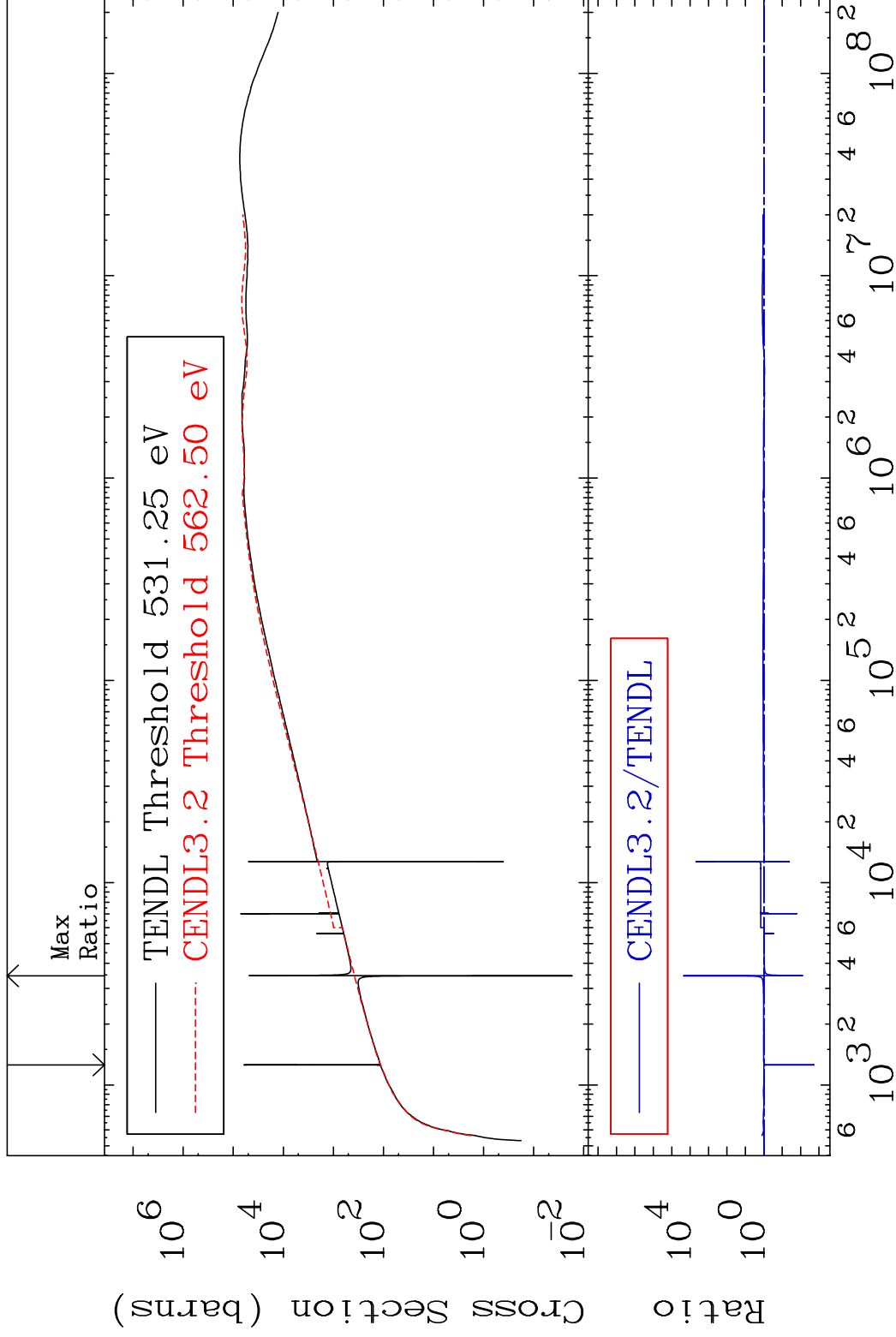
31 Incident Energy (eV) 38-Sr-90

MAT 3843

Dpa elastic (mt2)

38-Sr-90

Cross Section -99.81 To 9999. %

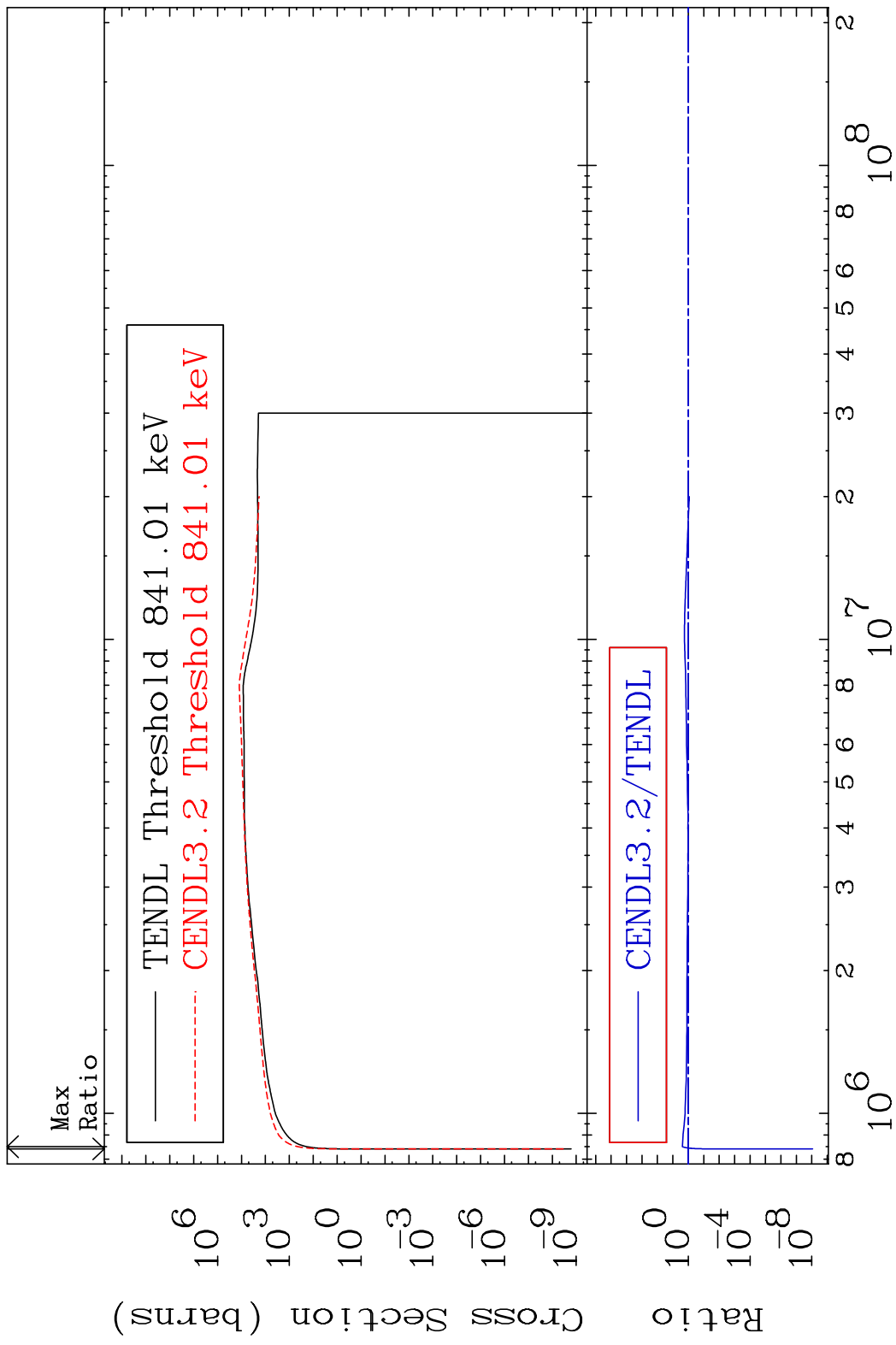


32

Incident Energy (eV)

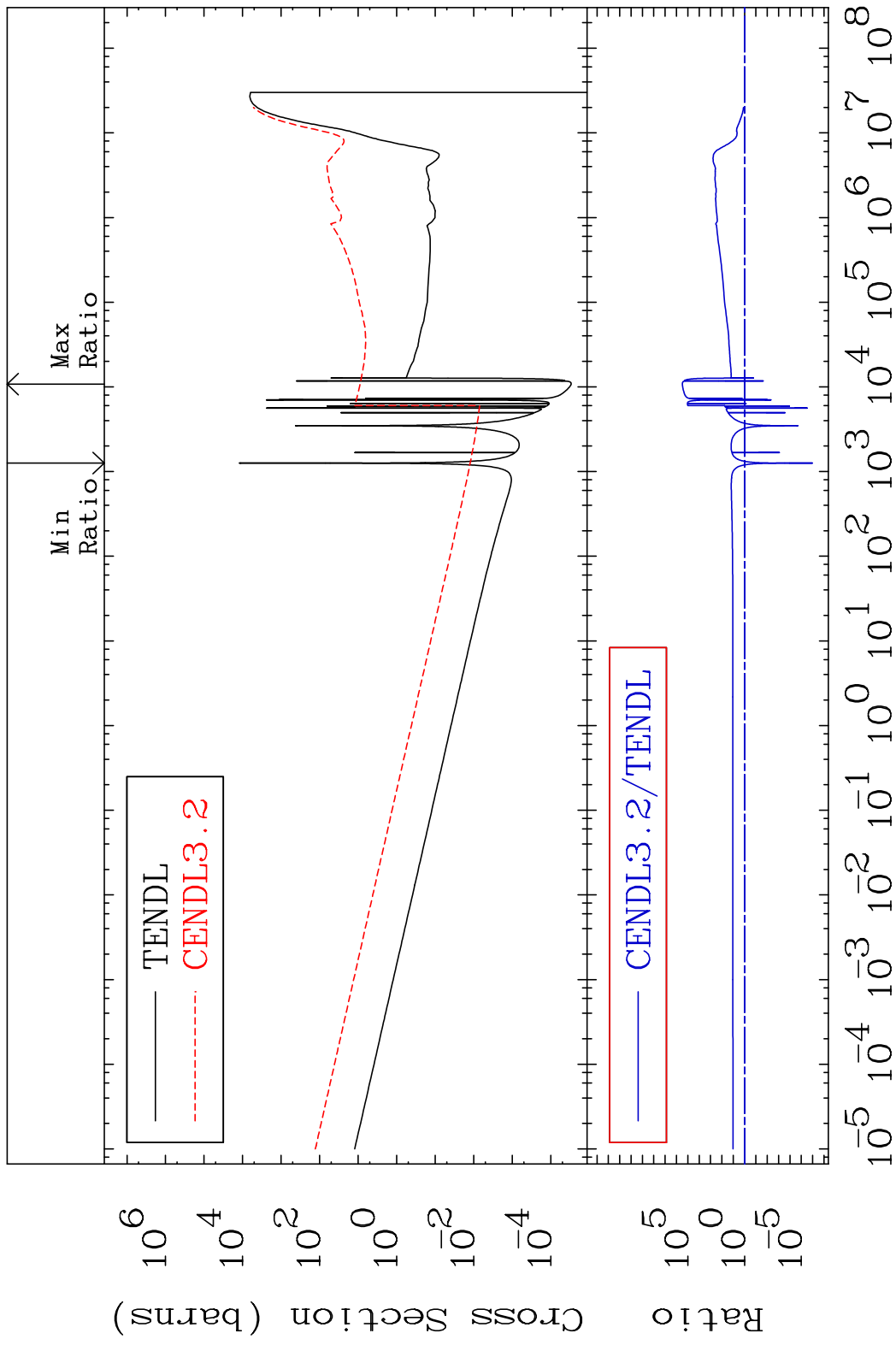
38-Sr-90

MAT 3843 Dpa inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 142.2 %



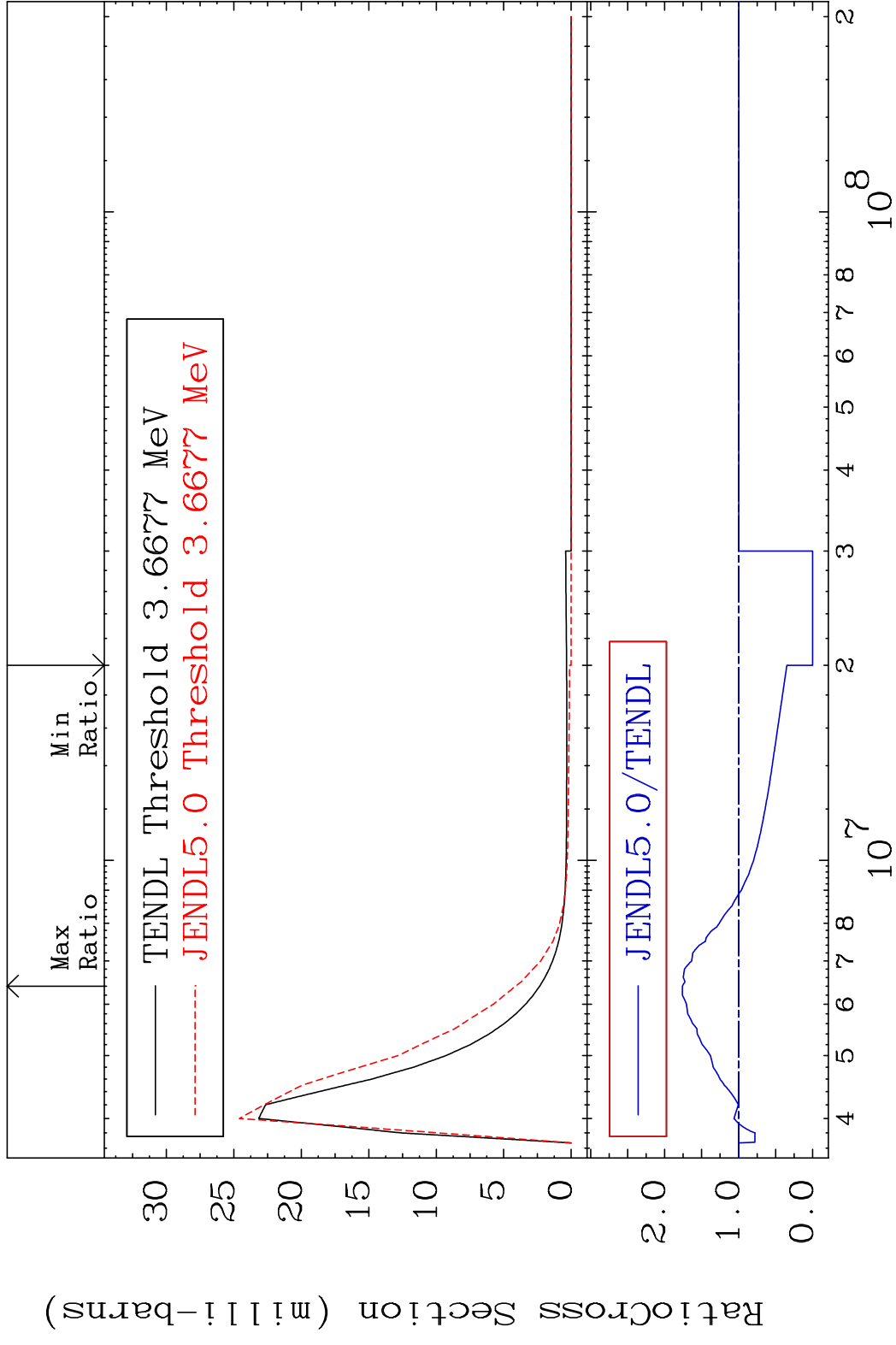
33 Incident Energy (eV) 38-Sr-90

MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90
 Cross Section -100.0 To 9999. %



34 Incident Energy (eV) 38-Sr-90

MAT 3843 MT= 76 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 76.08 %

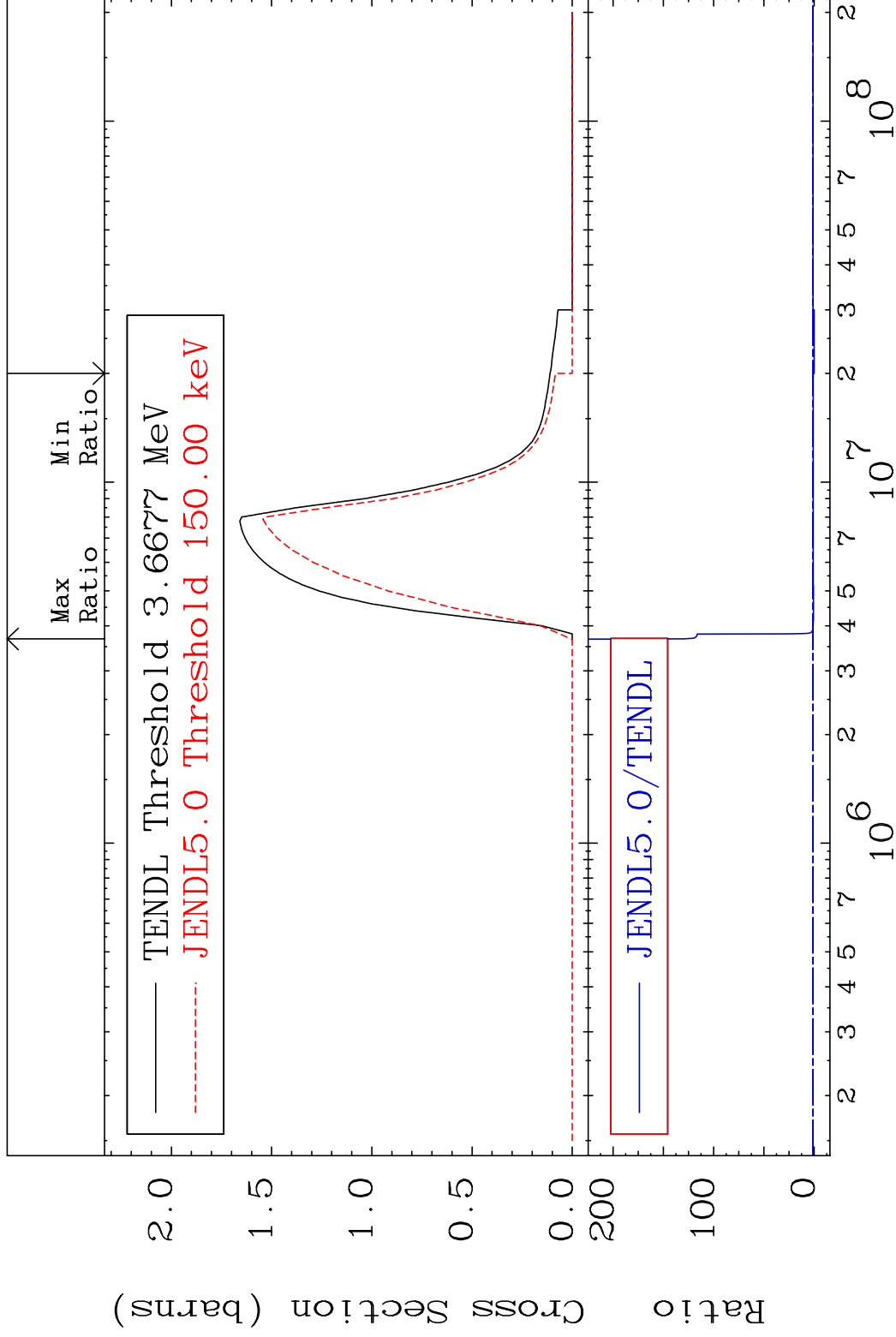


MAT 3843

(n,n') Continuum

38-Sr-90

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

38-Sr-90

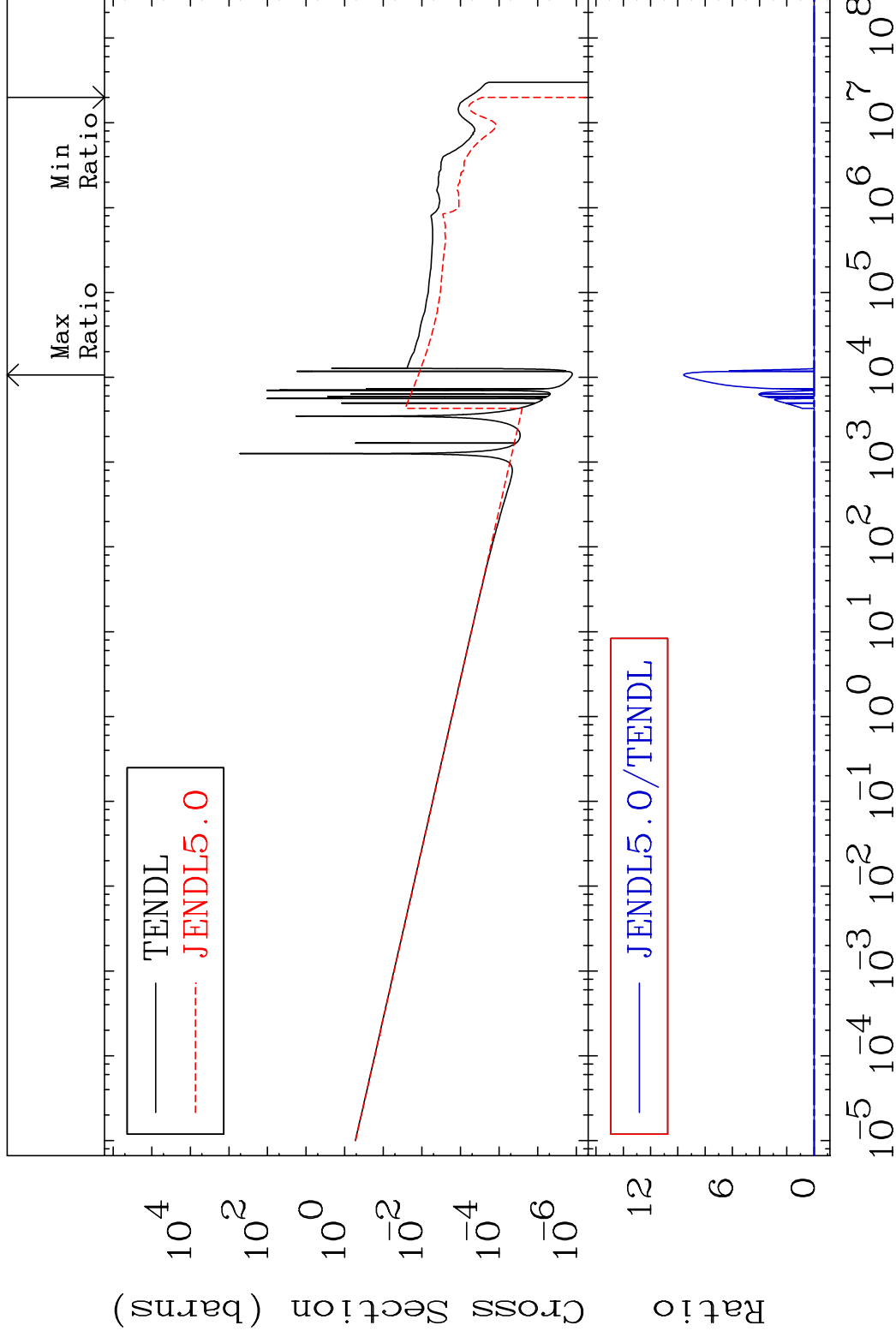
MAT 3843

(n, γ)

38-Sr-90

Cross Section

-100.0 To 9999. %



37

Incident Energy (eV)

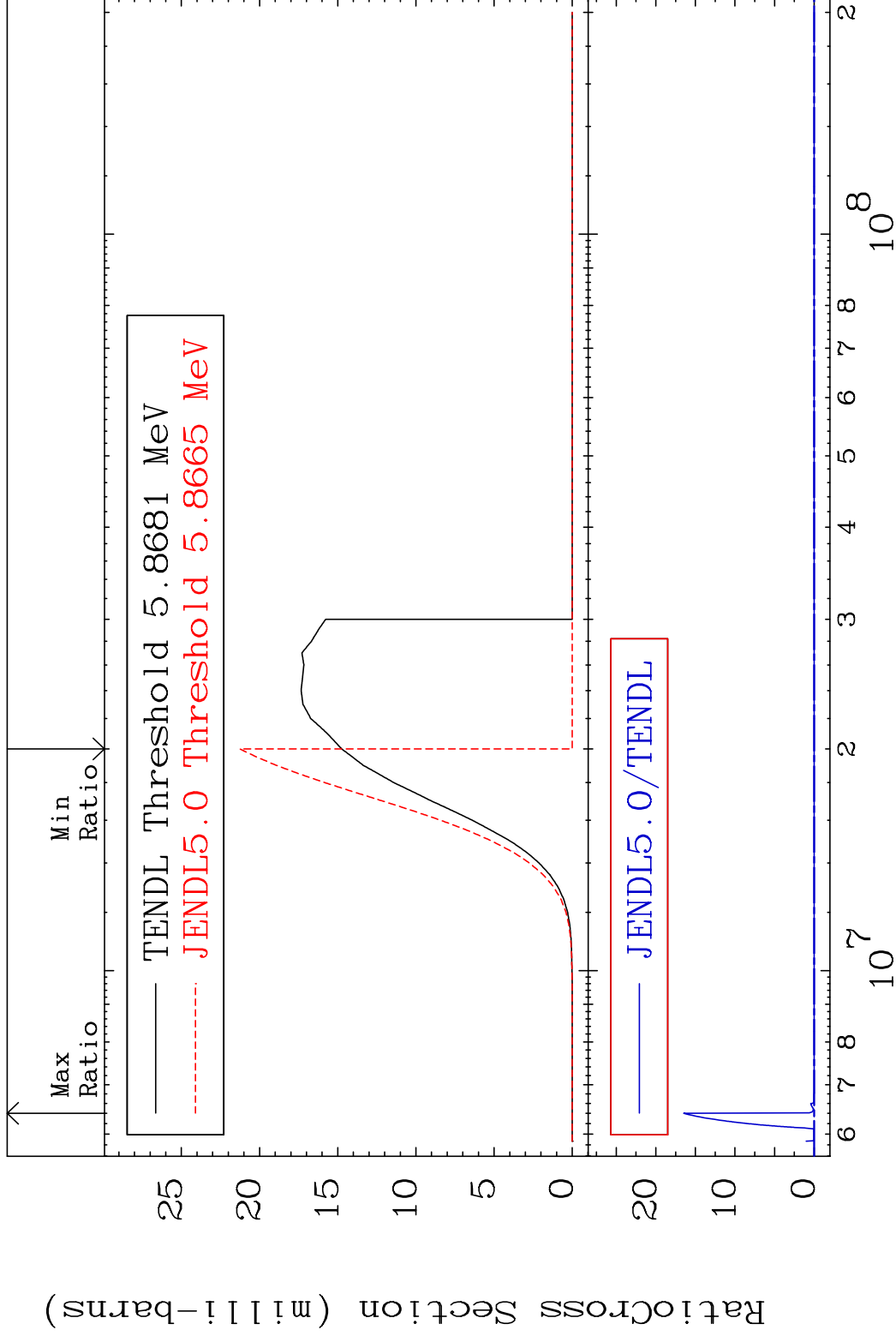
38-Sr-90

MAT 3843

(n,p)

38-Sr-90

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

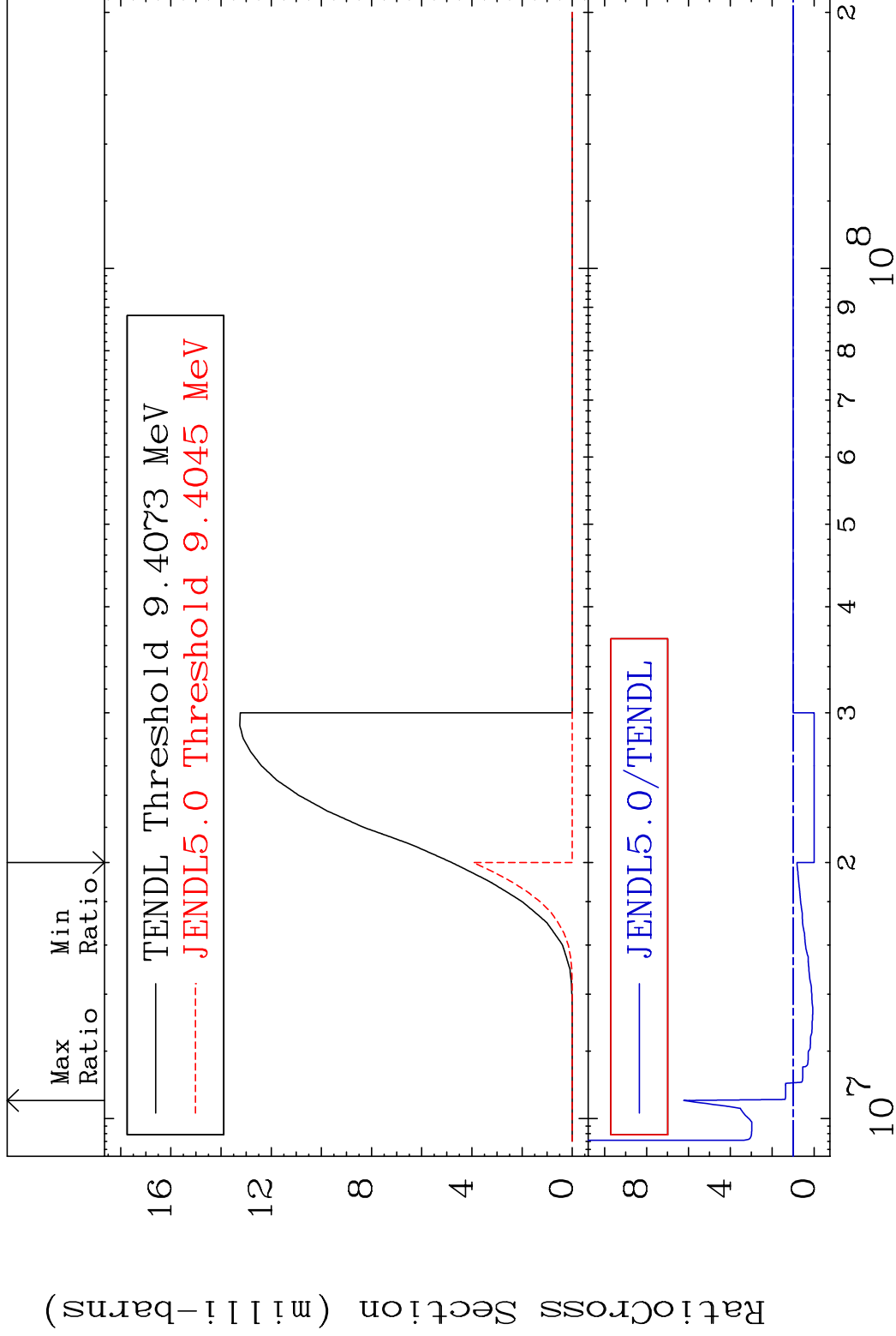
38-Sr-90

MAT 3843

(n,d)

38-Sr-90

Cross Section -100.0 To 523.0 %



39

Incident Energy (eV)

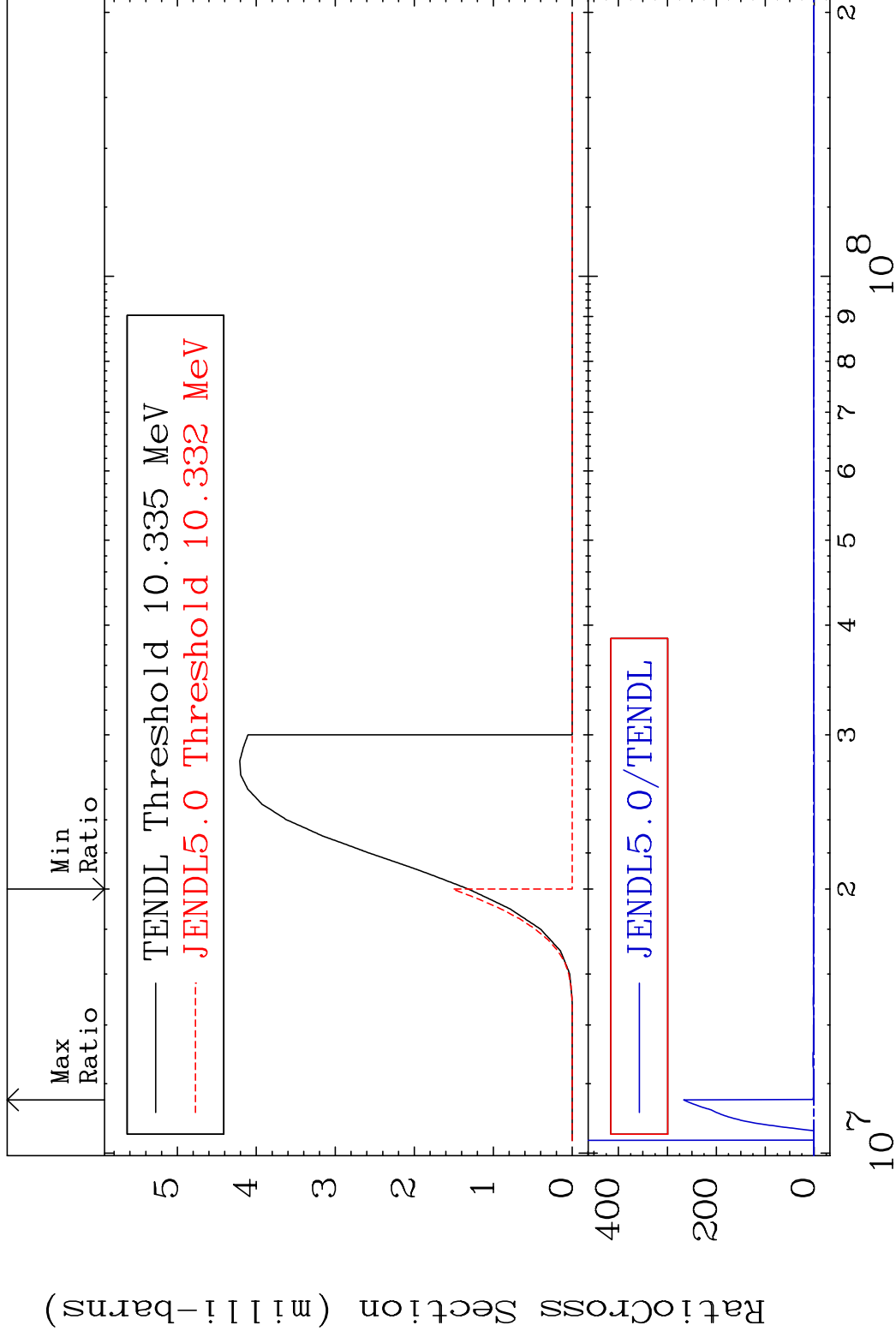
38-Sr-90

MAT 3843

(n, t)

38-Sr-90

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

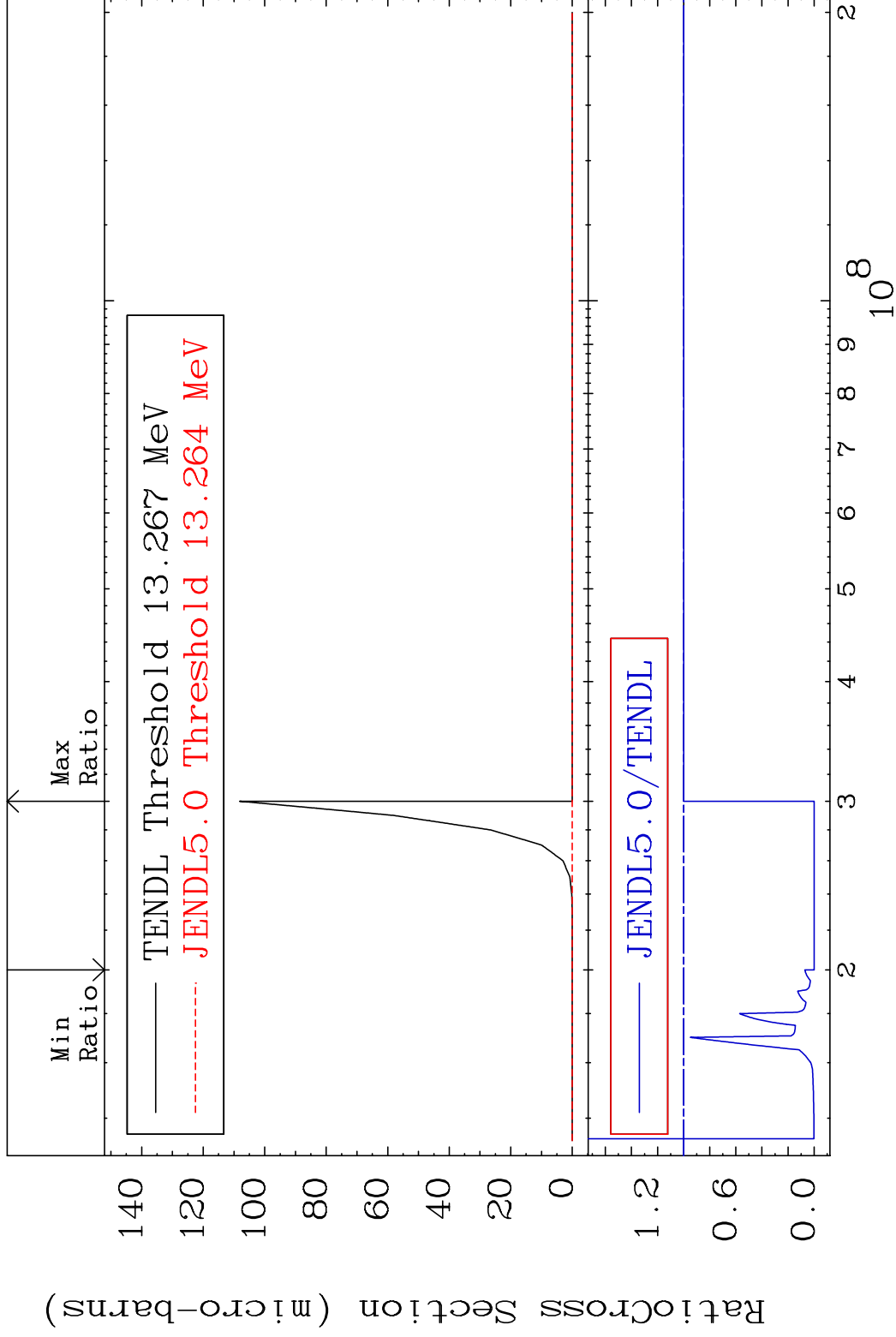
38-Sr-90

MAT 3843

(n, He-3)

38-Sr-90

Cross Section -100.0 To 0.000 %



41

Incident Energy (eV)

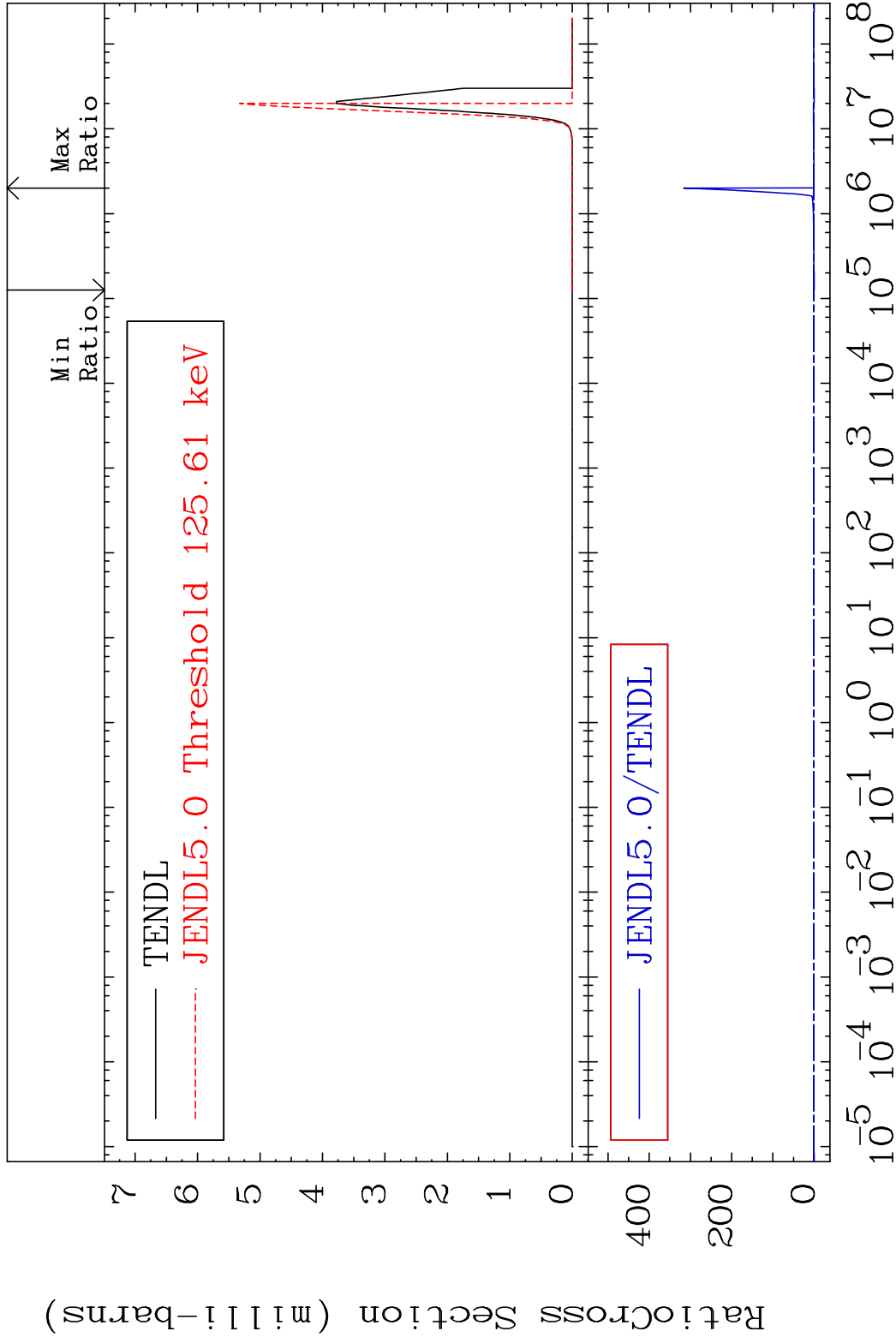
38-Sr-90

MAT 3843

(n, α)

38-Sr-90

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

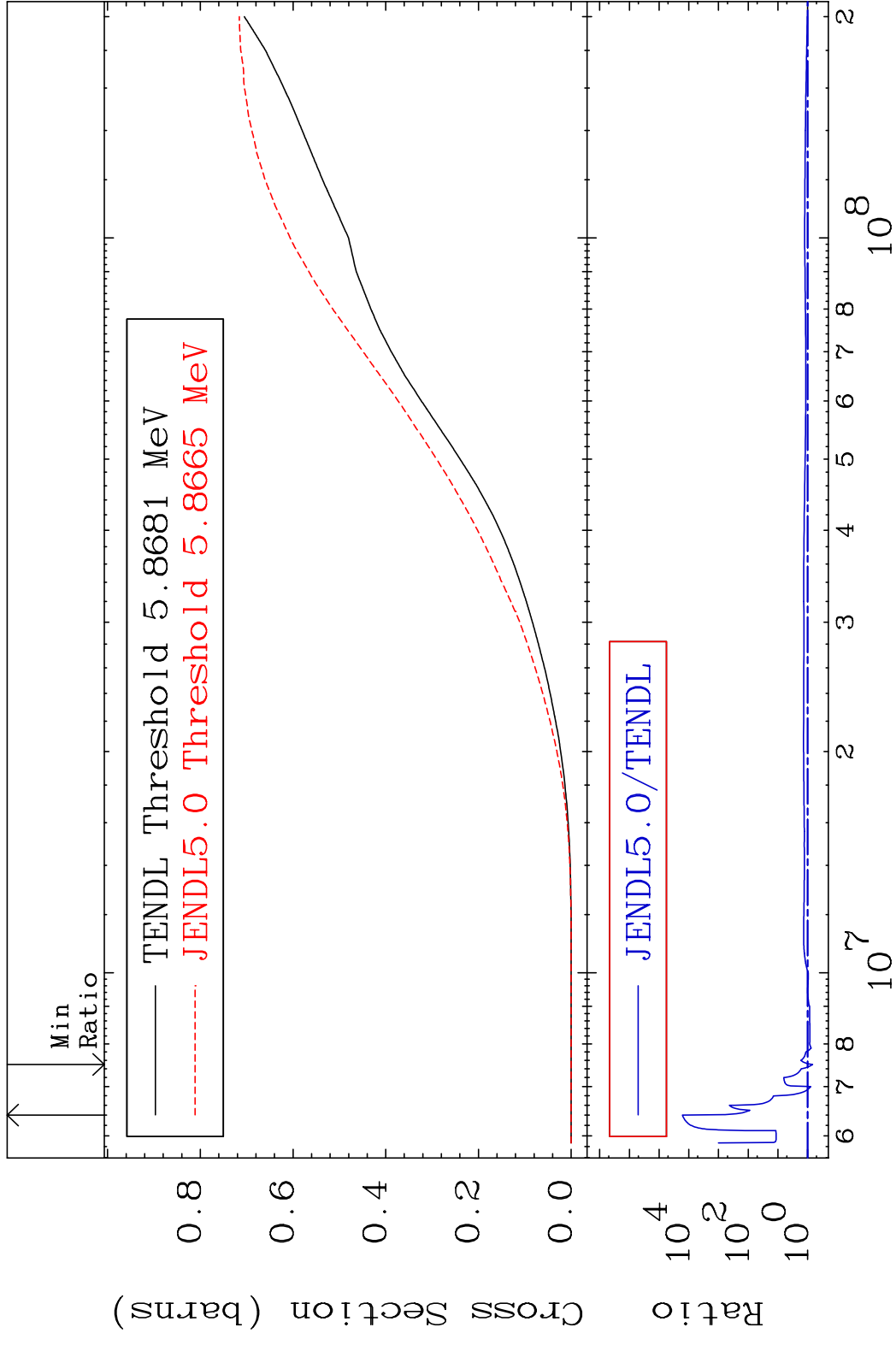
38-Sr-90

MAT 3843

Hydrogen Production

38-Sr-90

Cross Section -31.73 To 9999. %

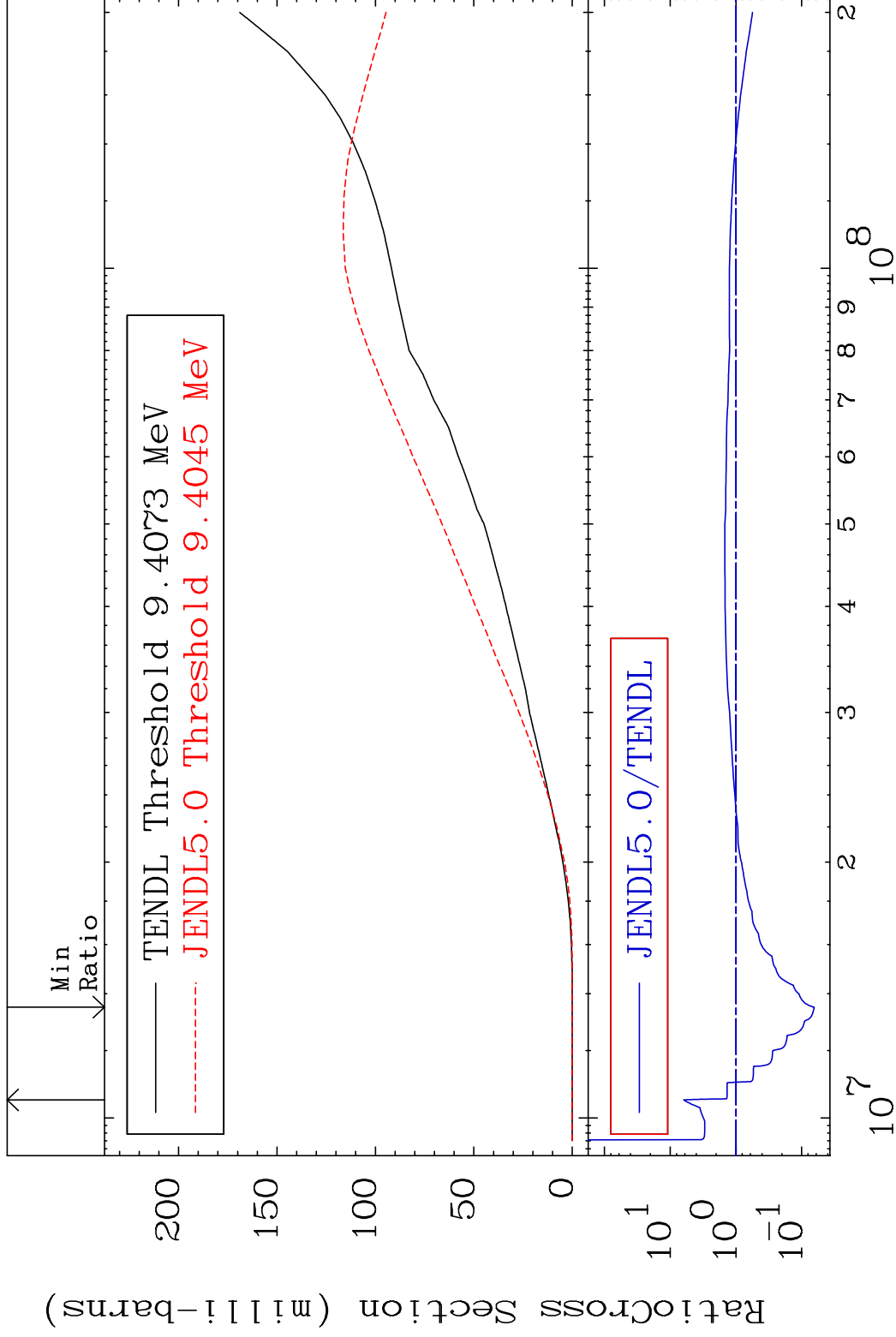


MAT 3843

Deuterium Production

38-Sr-90

Cross Section -93.52 To 523.0 %

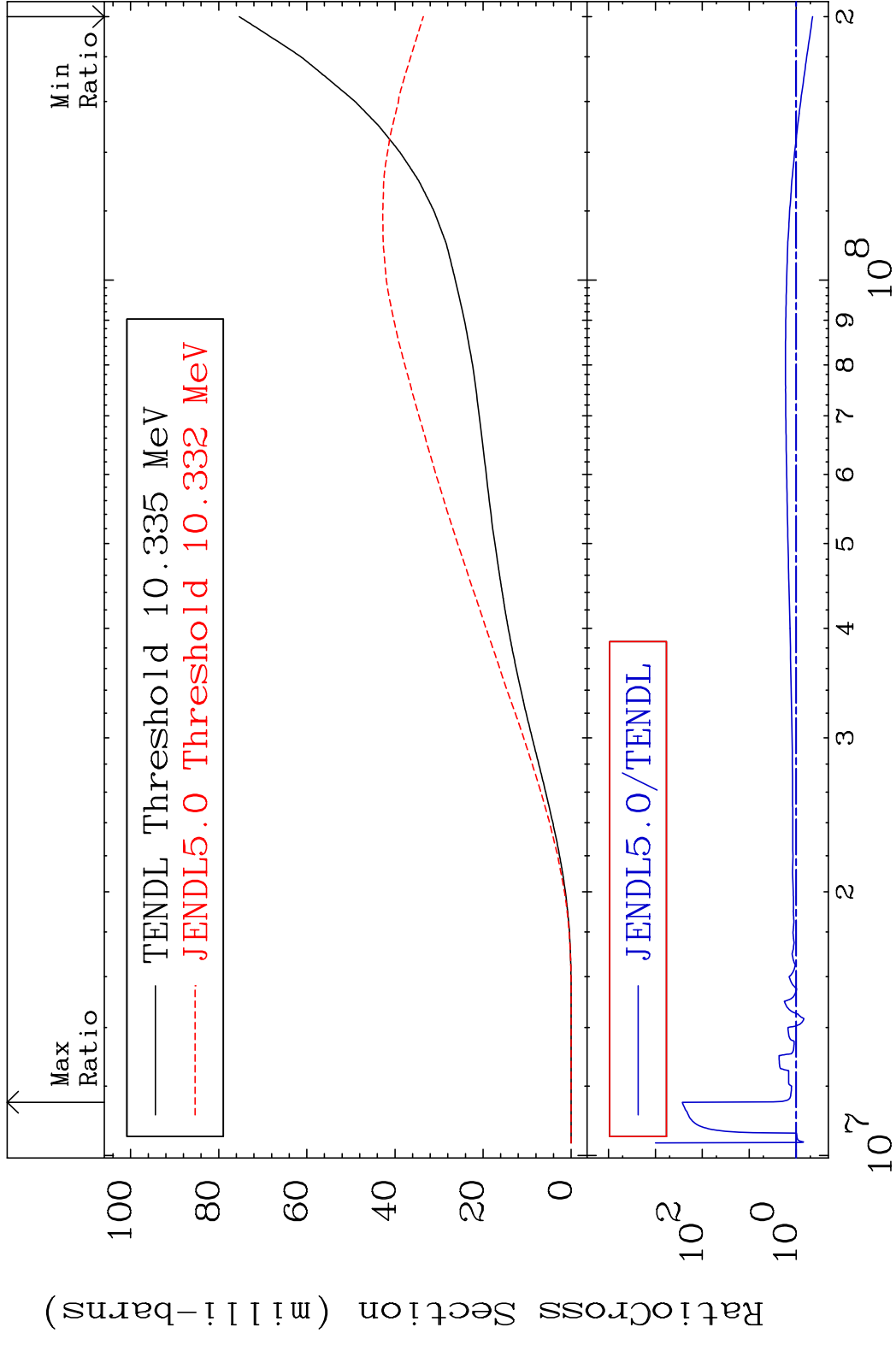


44

Incident Energy (eV)

38-Sr-90

MAT 3843 Tritium Production 38-Sr-90
 Cross Section -55.43 To 9999. %



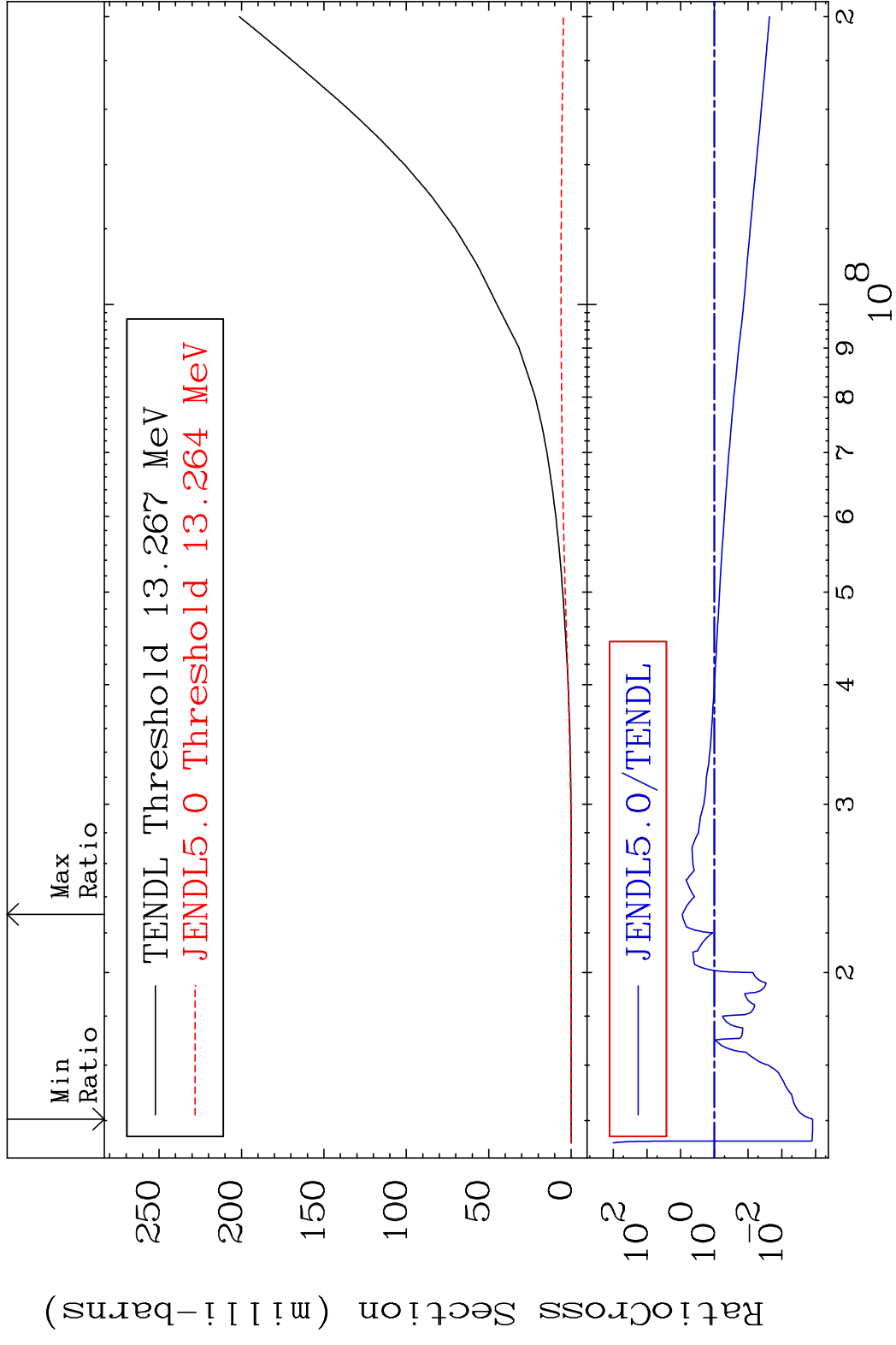
45 Incident Energy (eV) 38-Sr-90

MAT 3843

He-3 Production

38-Sr-90

Cross Section -99.88 To 790.5 %

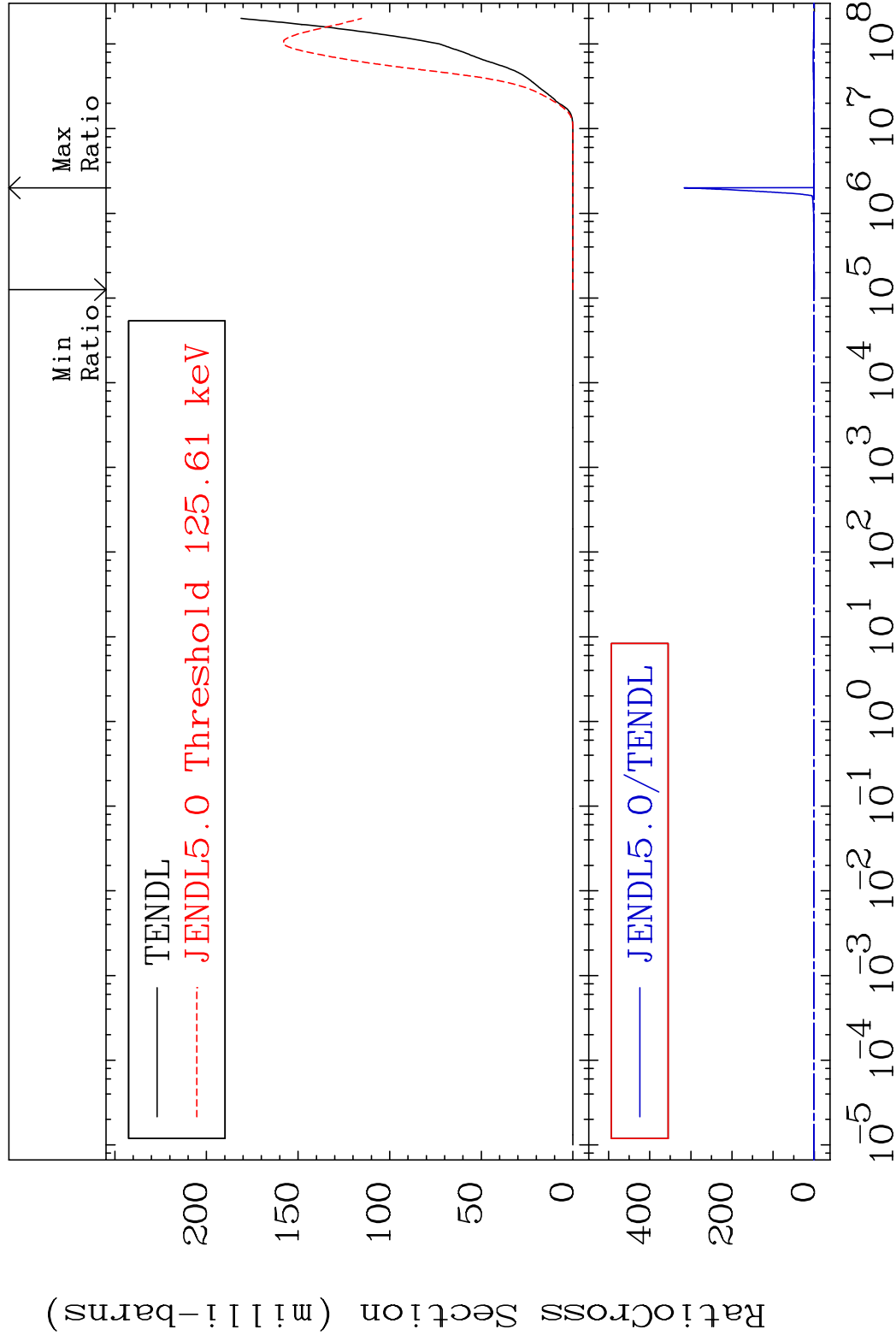


MAT 3843

He-4 Production

38-Sr-90

Cross Section -100.0 To 9999. %

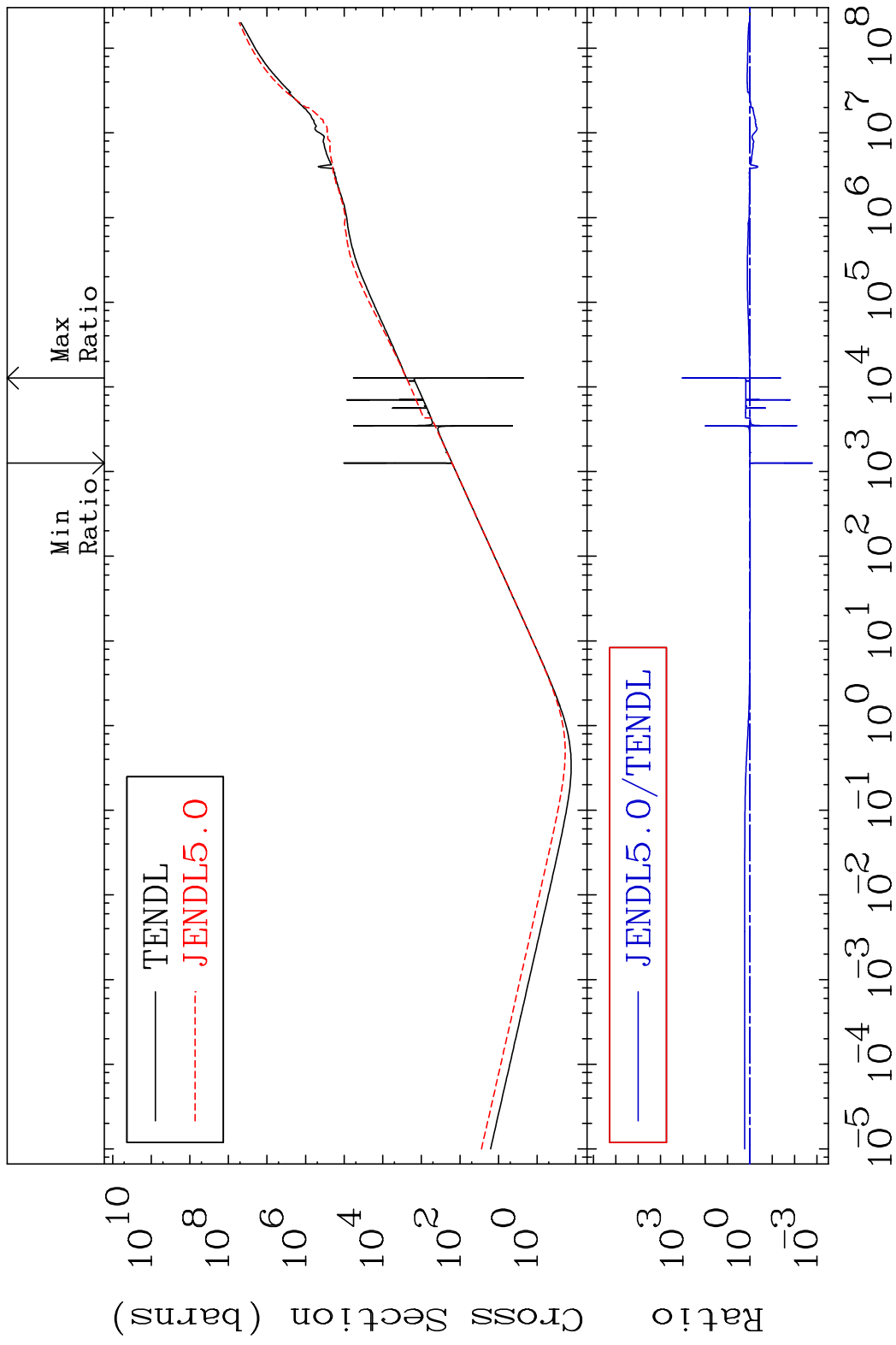


47

Incident Energy (eV)

38-Sr-90

MAT 3843 Kerma total (eV-barns) 38-Sr-90
 Cross Section -99.84 To 9999. %



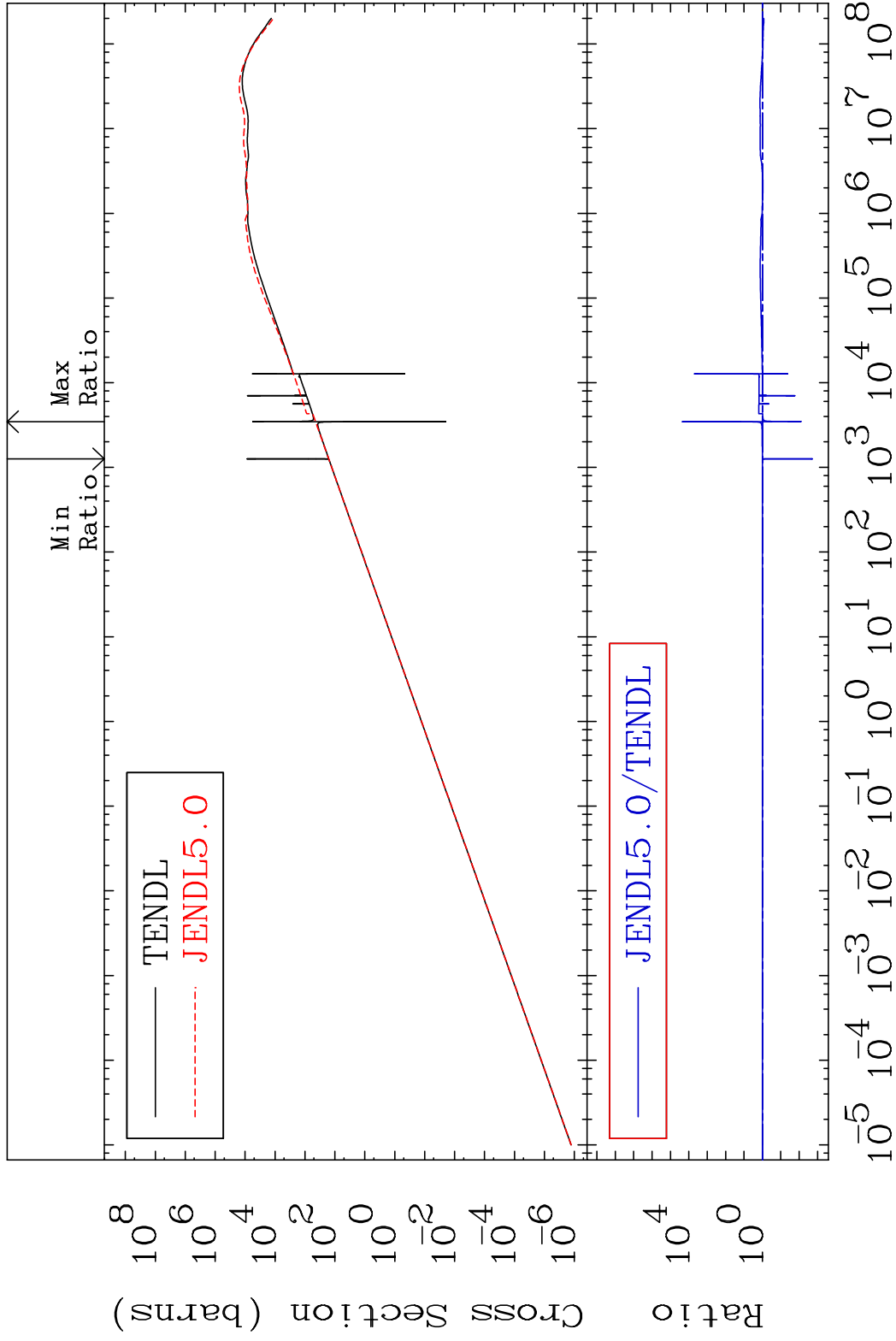
48 Incident Energy (eV) 38-Sr-90

MAT 3843

Kerma elastic

38-Sr-90

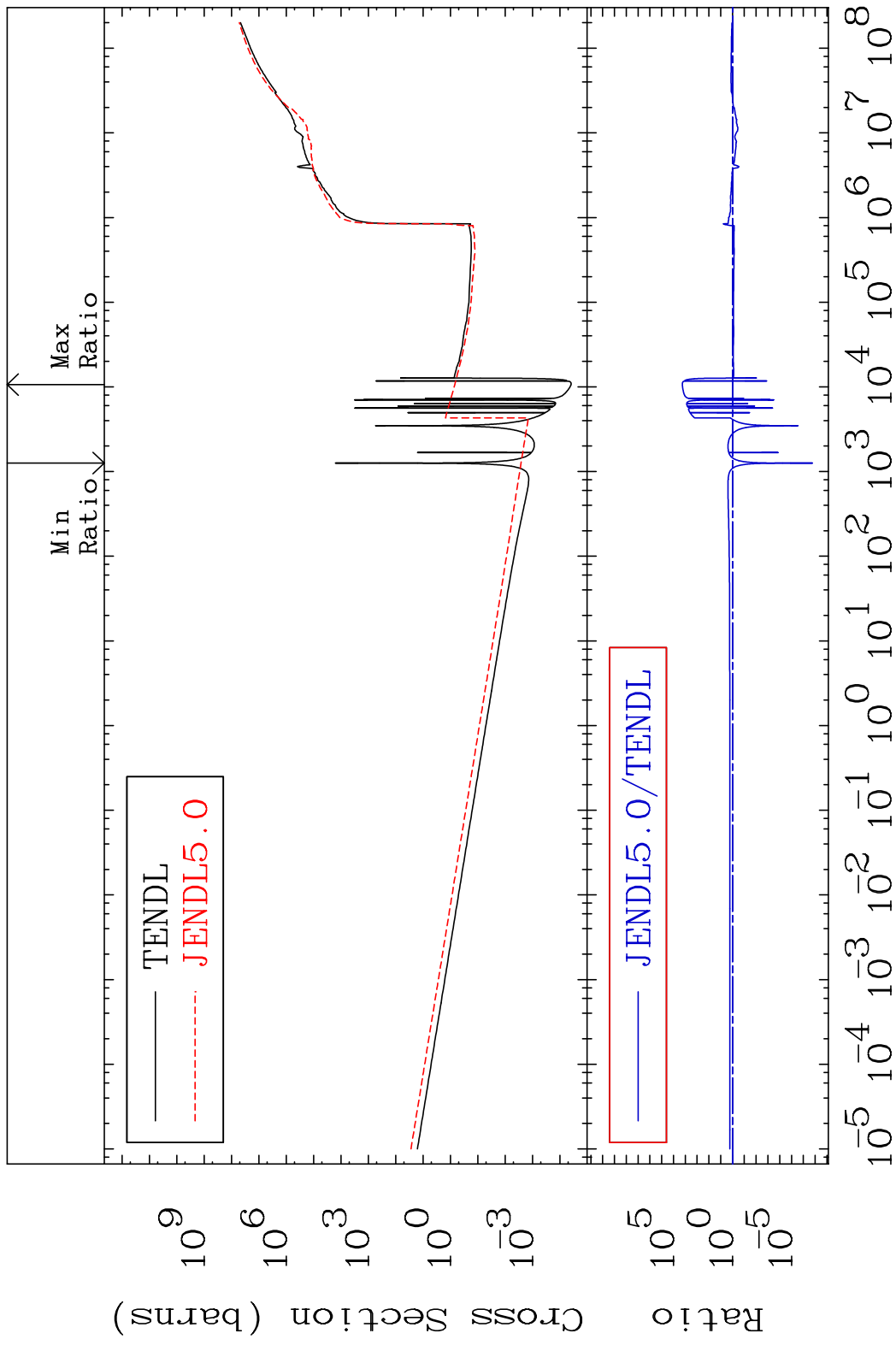
Cross Section -99.81 To 9999. %



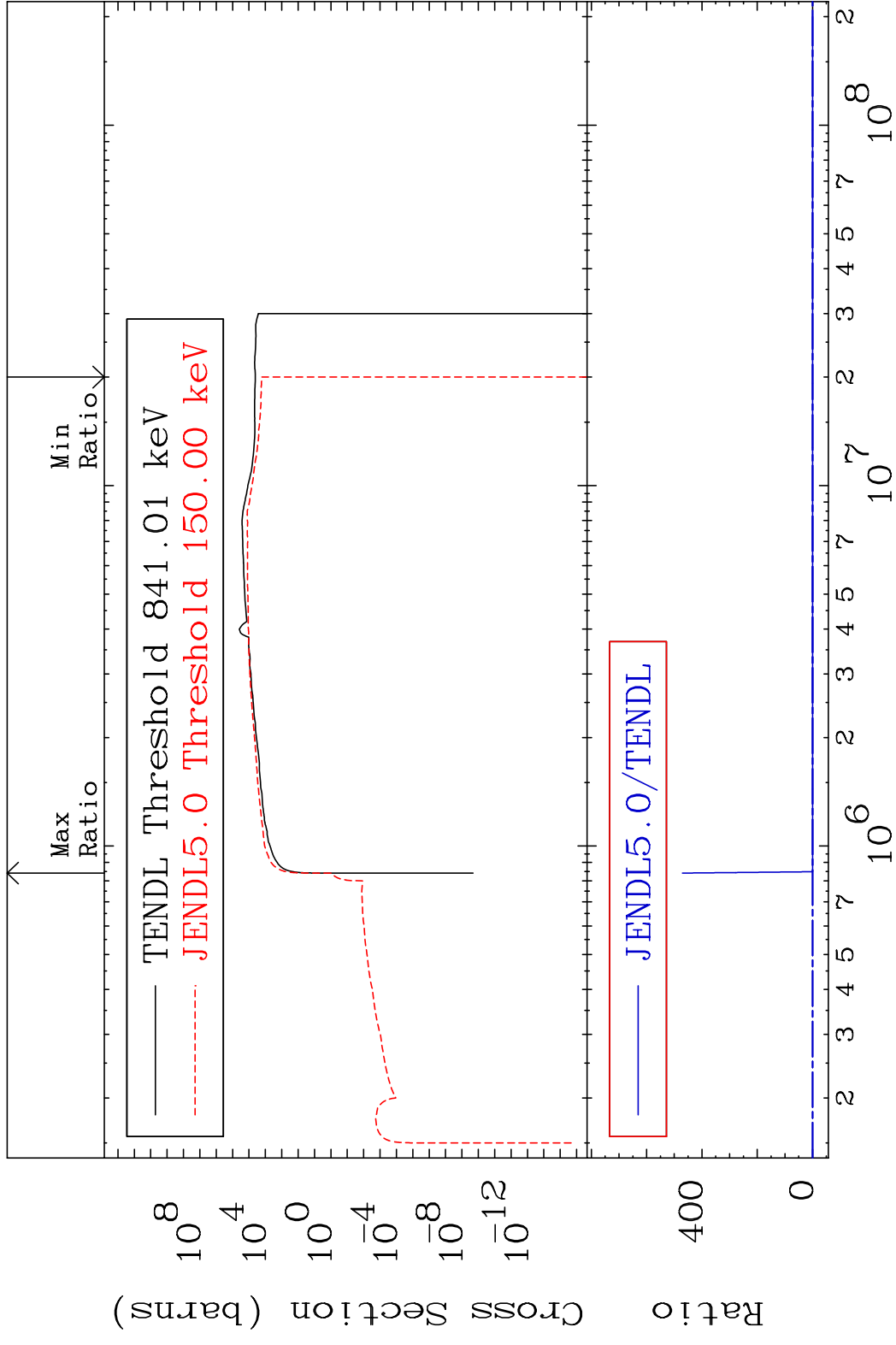
49

38-Sr-90

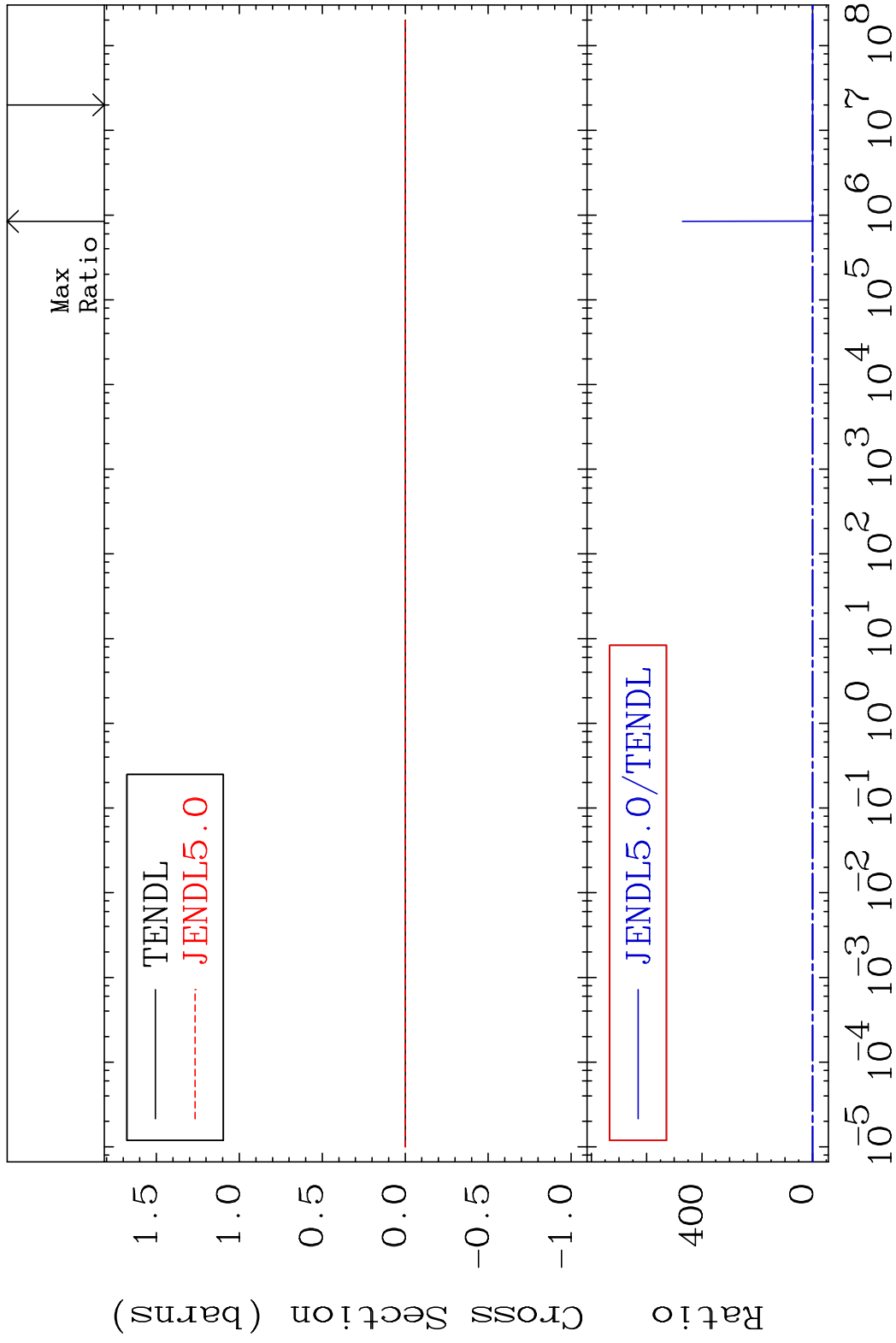
MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90
 Cross Section -100.0 To 9999. %



MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 9999. %

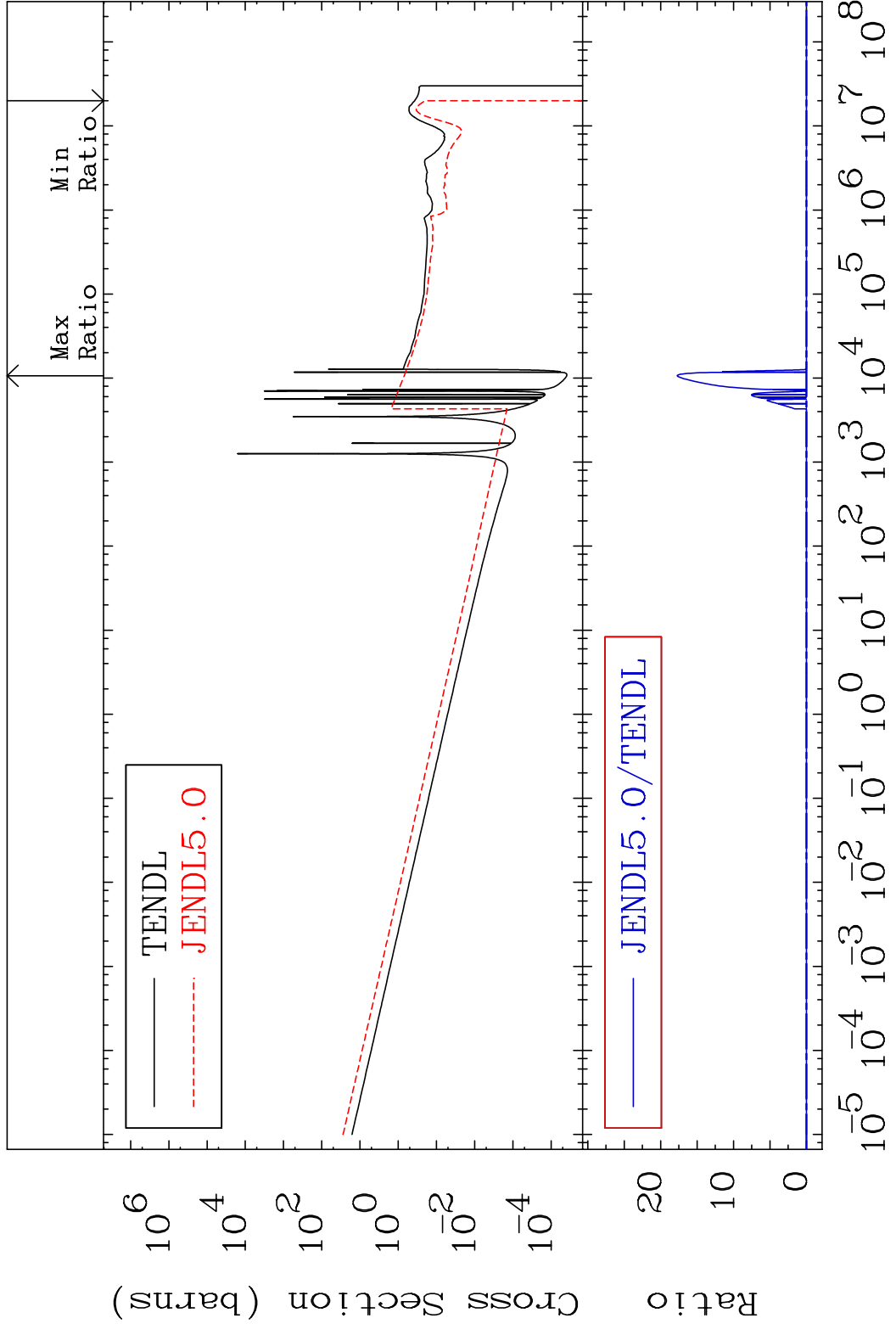


MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90
 Cross Section -100.0 To 9999. %



MAT 3843

Kerma capture (mt102) 38-Sr-90
Cross Section -100.0 To 9999. %

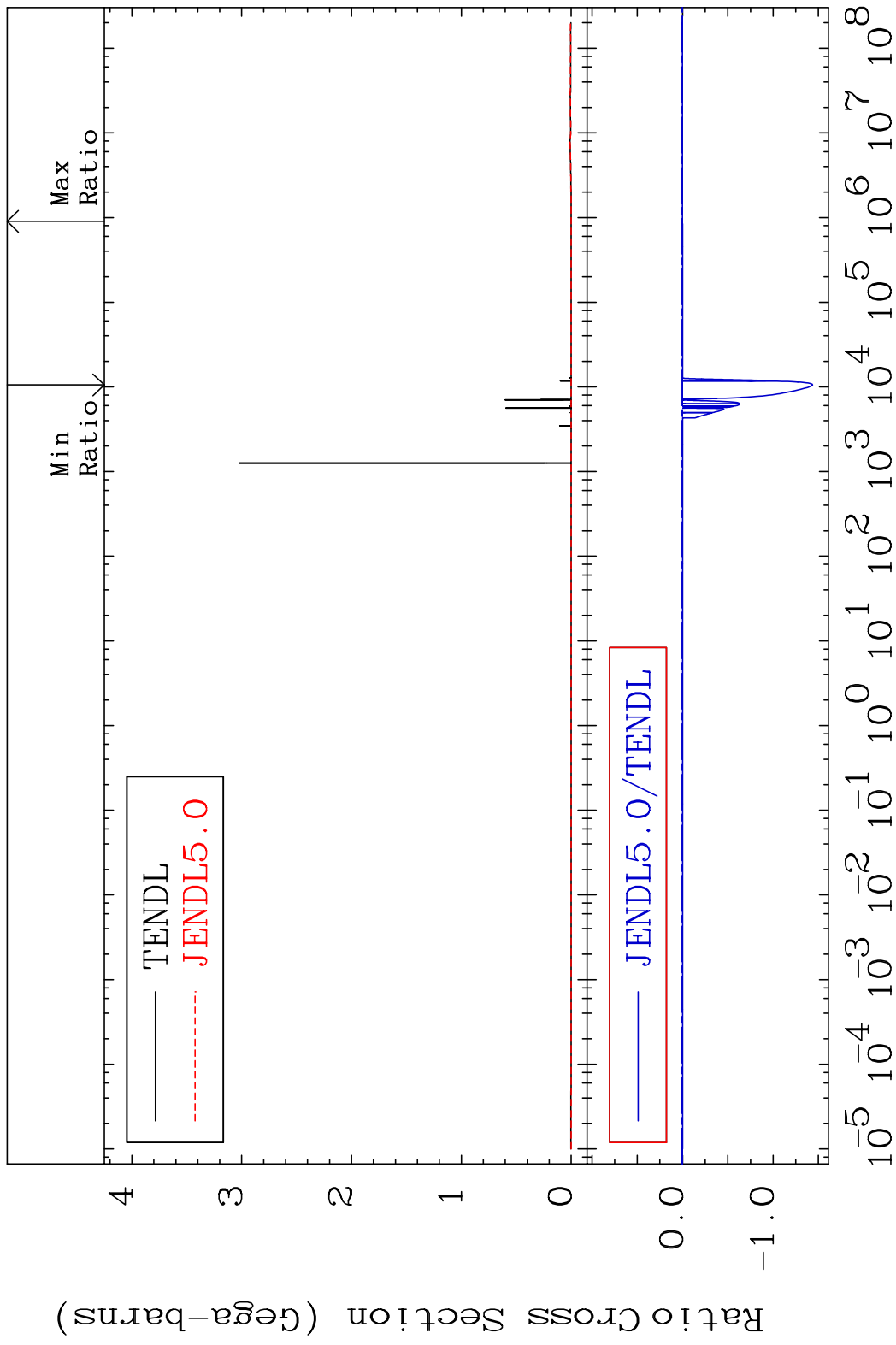


53

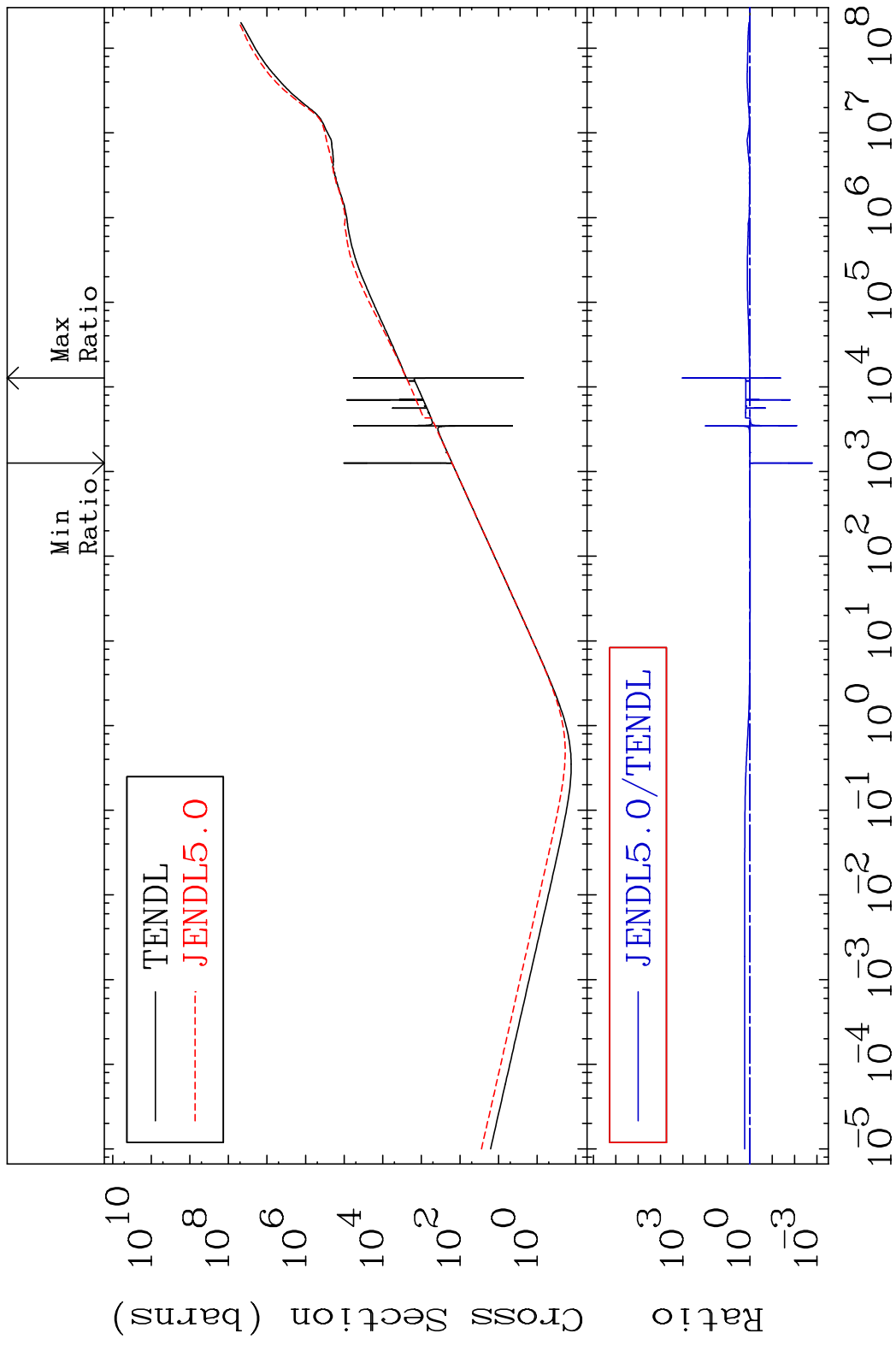
Incident Energy (eV)

38-Sr-90

MAT 3843 Total photon (eV-barns) 38-Sr-90
 Cross Section -9999. To 108.0 %



MAT 3843 Total kinematic kerma (high limit) 38-Sr-90
 Cross Section -99.84 To 9999. %

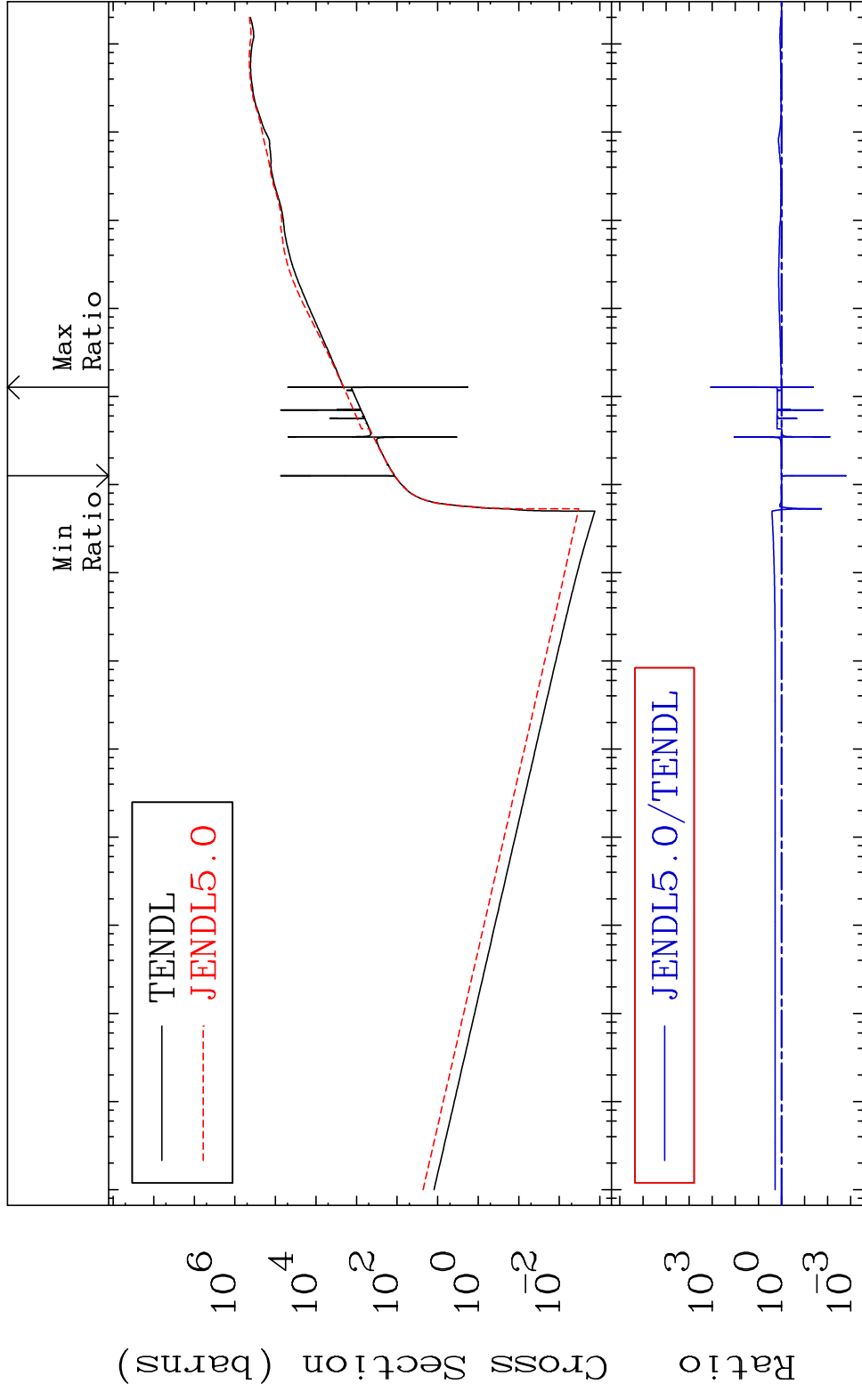


MAT 3843

Dpa total (eV-barns)

38-Sr-90

Cross Section -99.84 To 9999. %

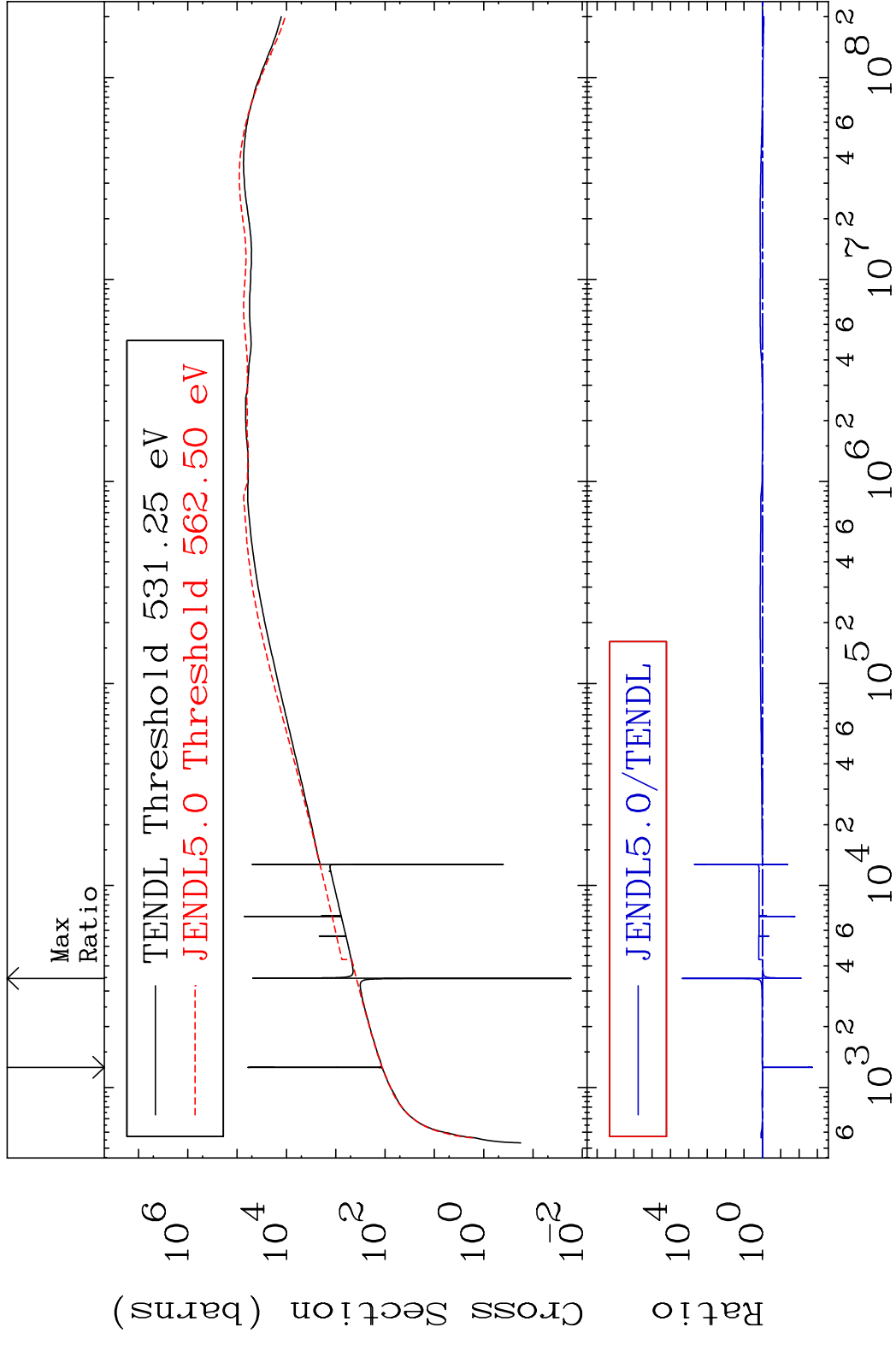


MAT 3843

Dpa elastic (mt2)

38-Sr-90

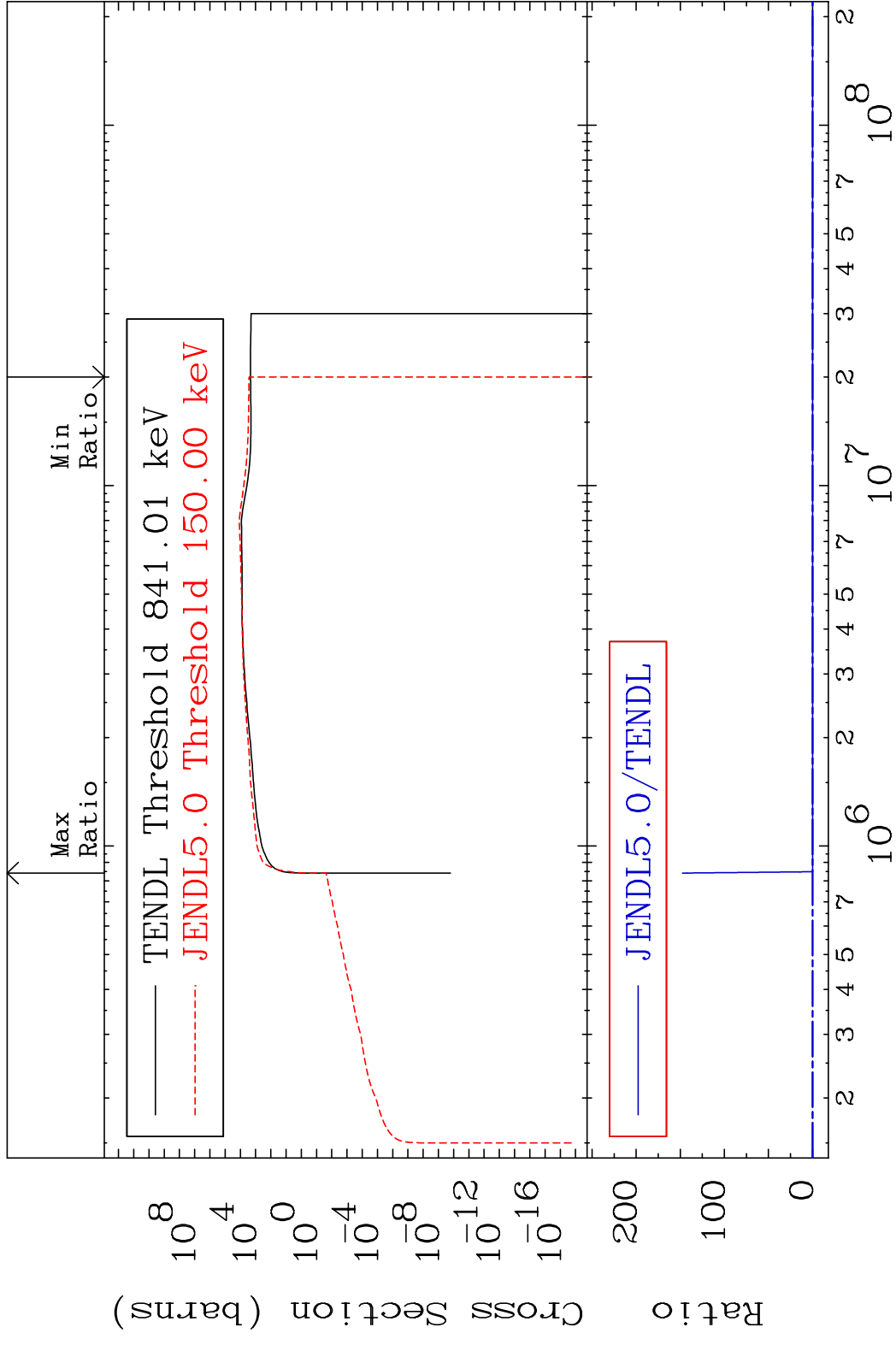
Cross Section -99.81 To 9999. %



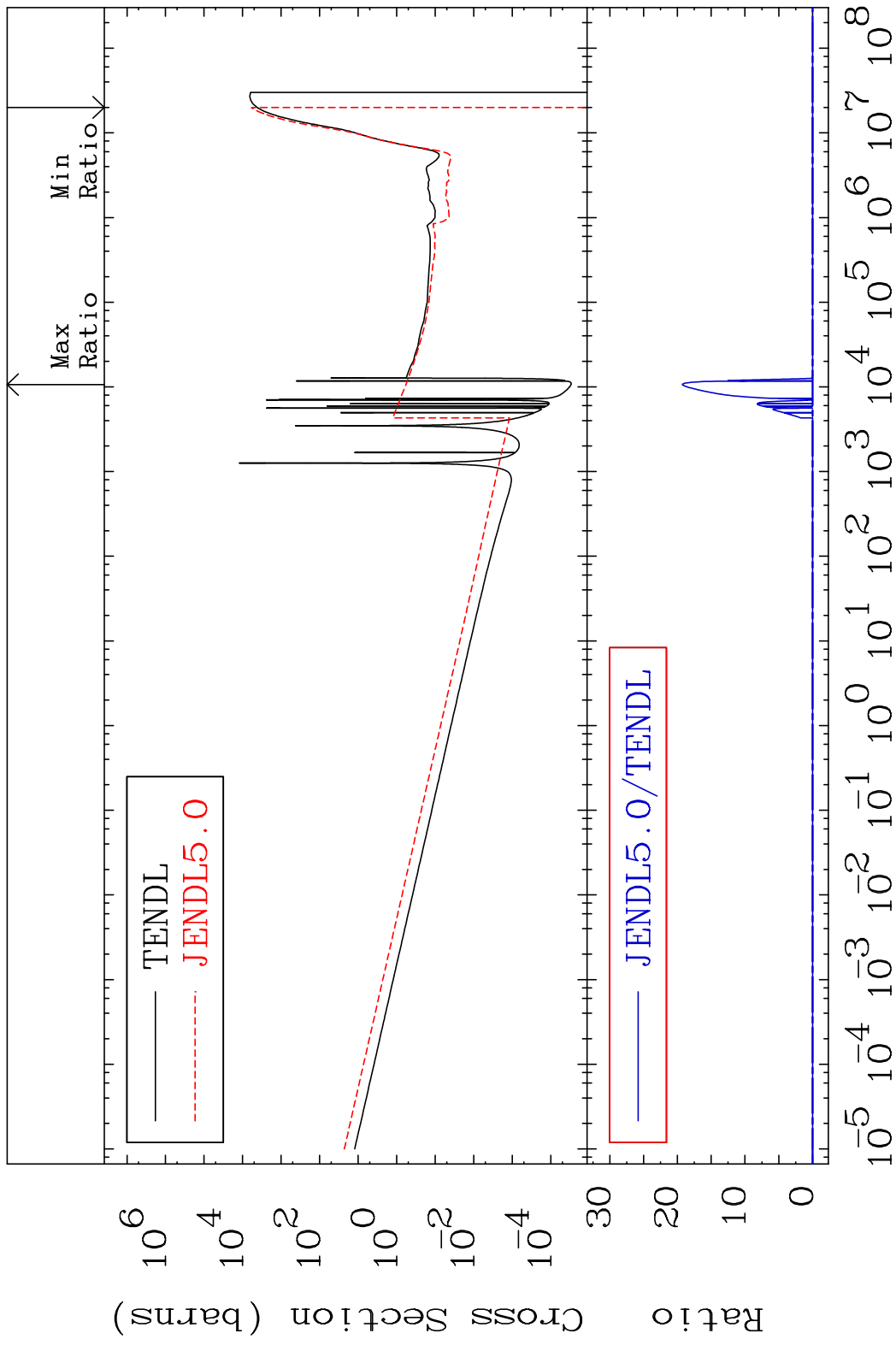
MAT 3843

Dpa inelastic (mt51-91) 38-Sr-90

Cross Section -100.0 To 9999. %

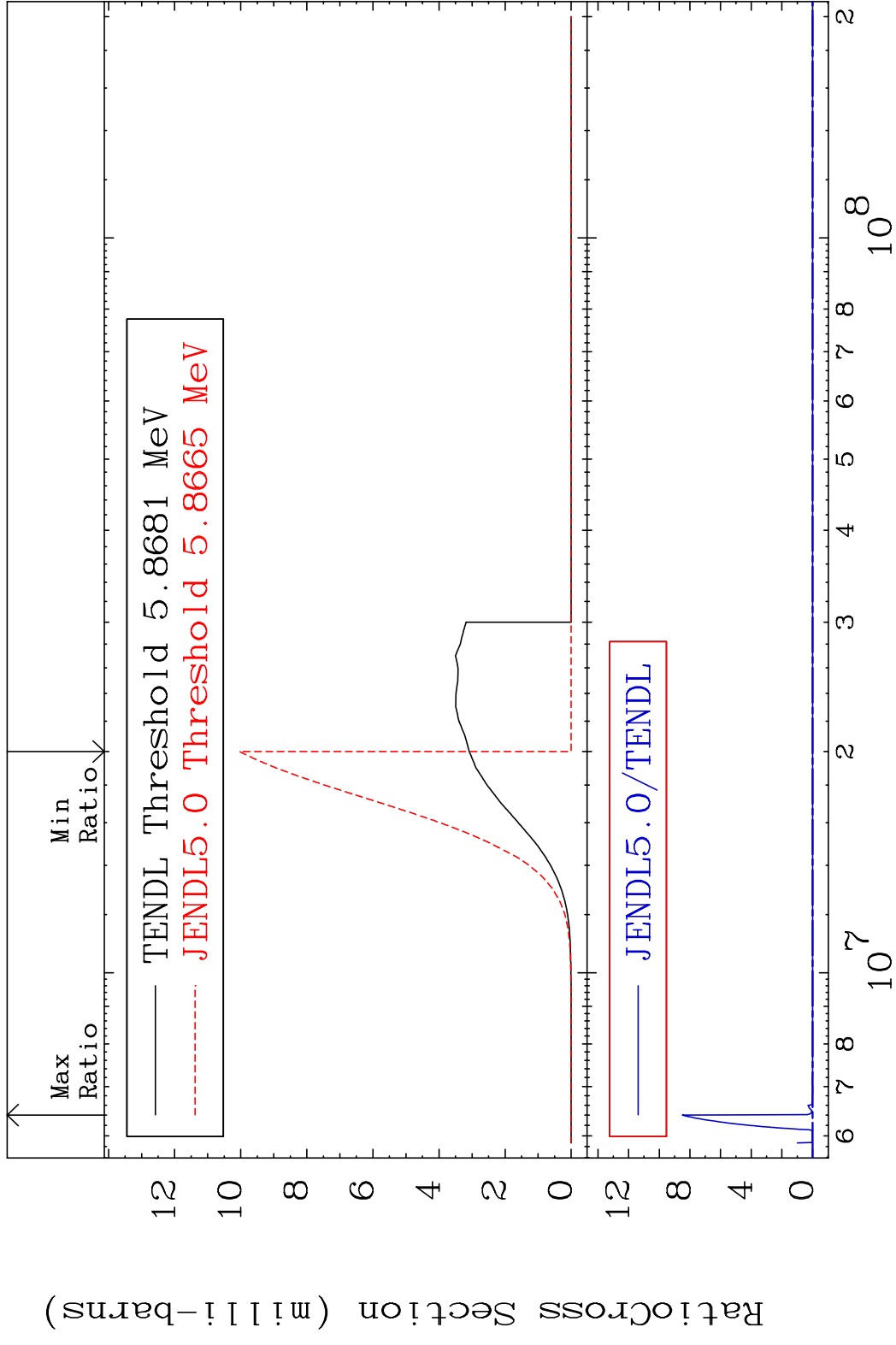


MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90
 Cross Section -100.0 To 9999. %



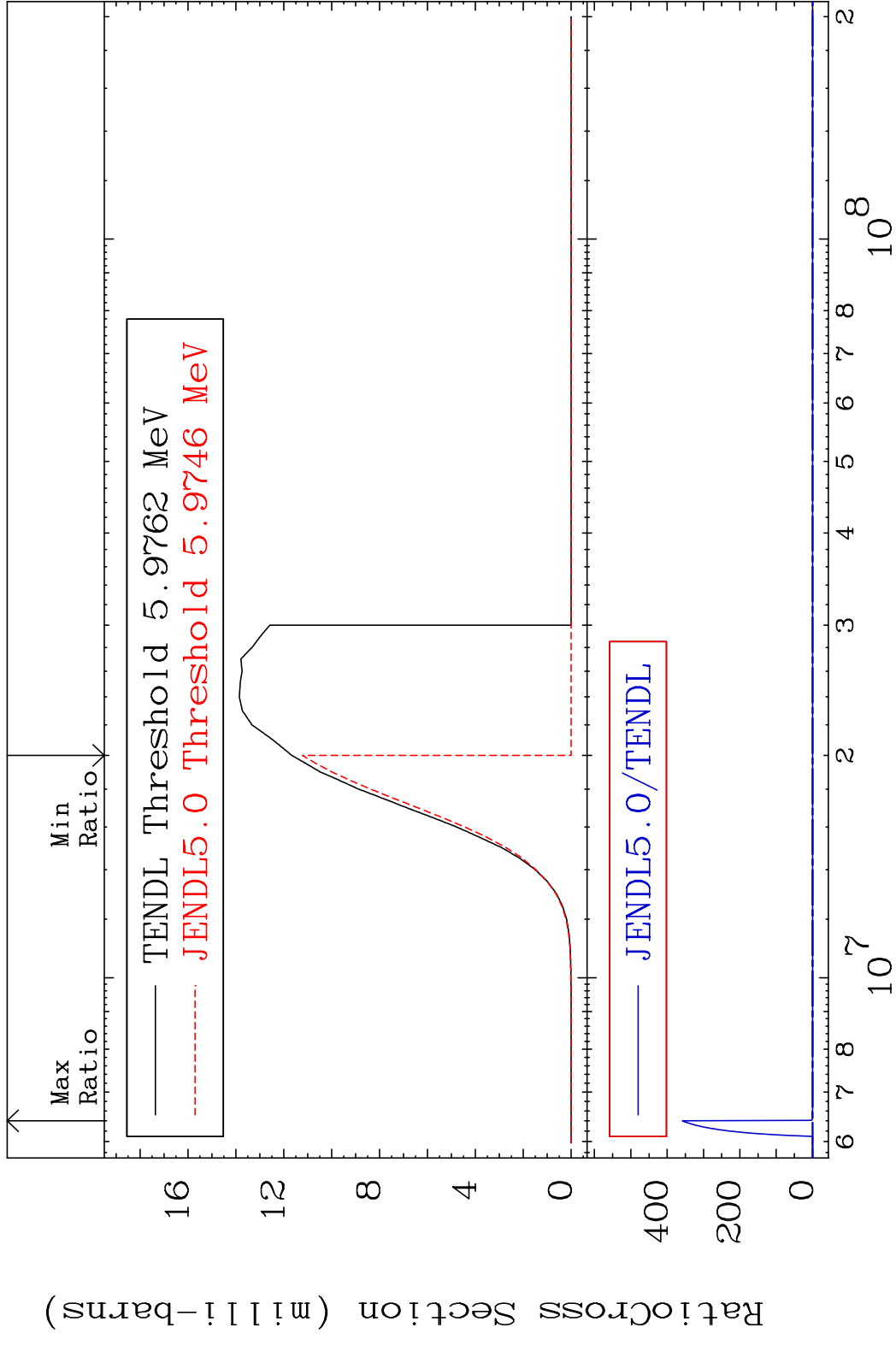
59 Incident Energy (eV) 38-Sr-90

MAT 3843 (n,p):37-Rb-90g 38-Sr-90
 Radionuclide Production Cross Section Ratio



60 Incident Energy (eV) 38-Sr-90

MAT 3843 (n,p):37-Rb-90m1 38-Sr-90
 Radionuclide Production Cross Section Ratio

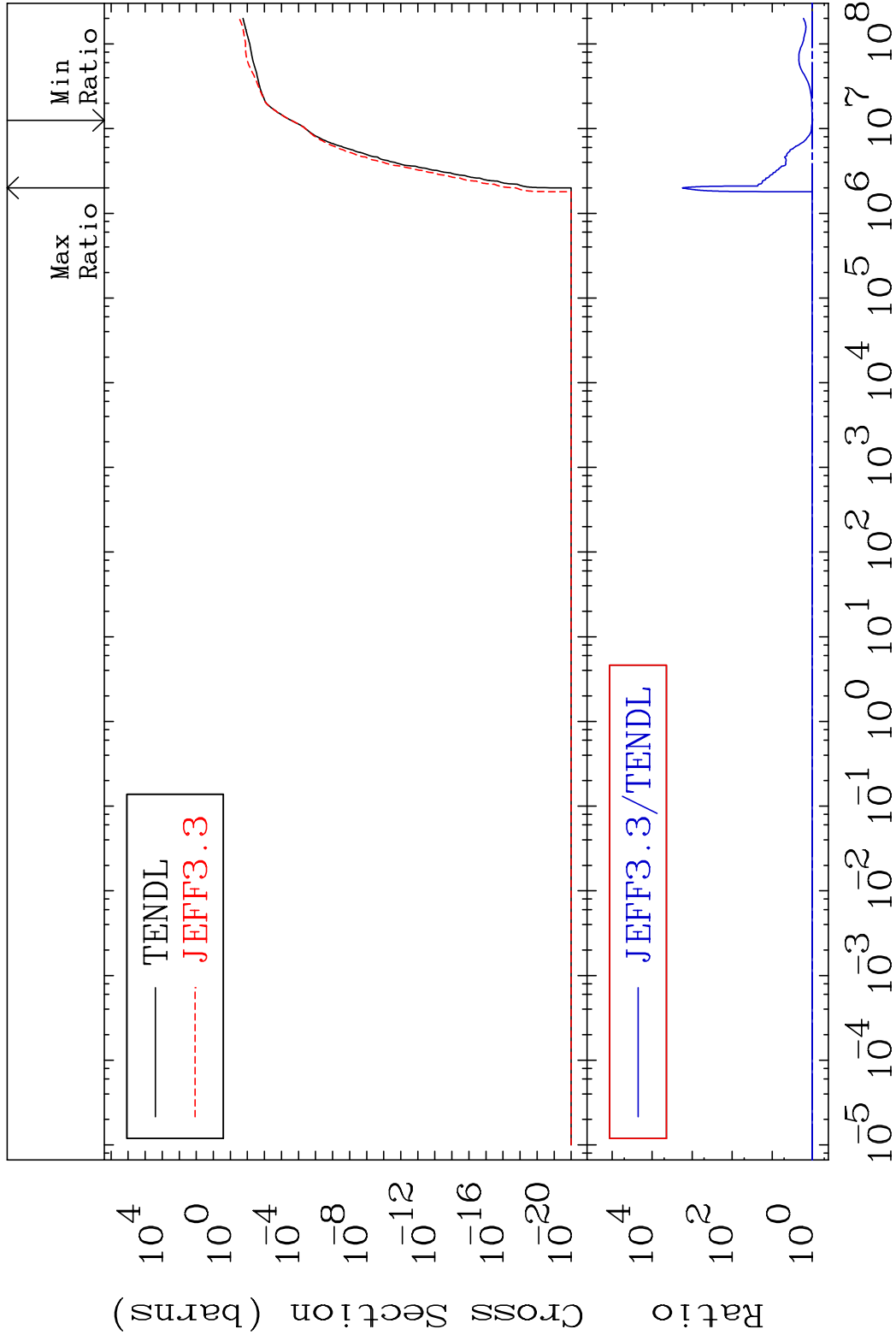


MAT 3843

He-4 Production

38-Sr-90

Cross Section -2.258 To 9999. %

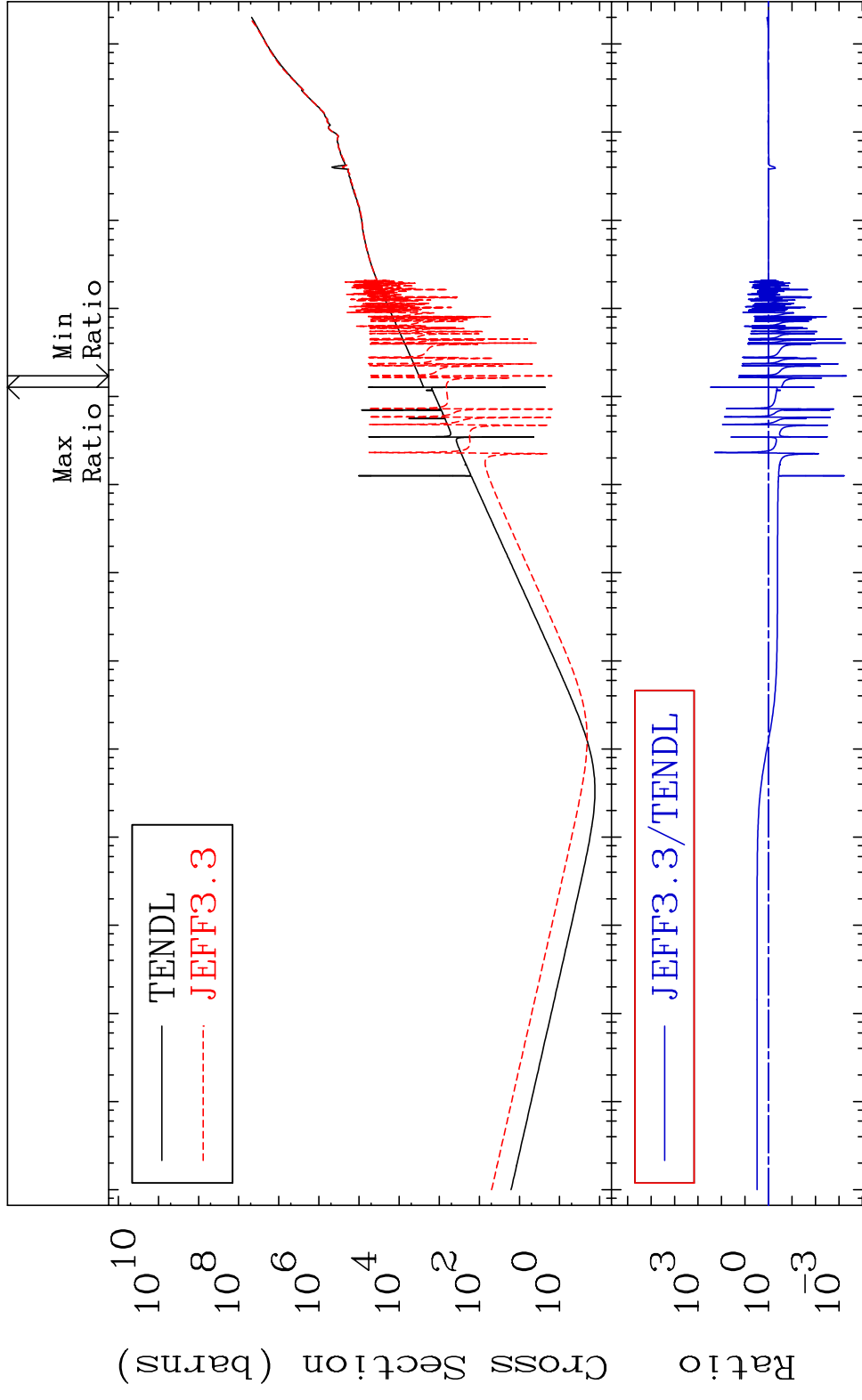


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Incident Energy (eV)

38-Sr-90

MAT 3843 Kerma total (eV-barns) 38-Sr-90
 Cross Section -99.95 To 9999. %

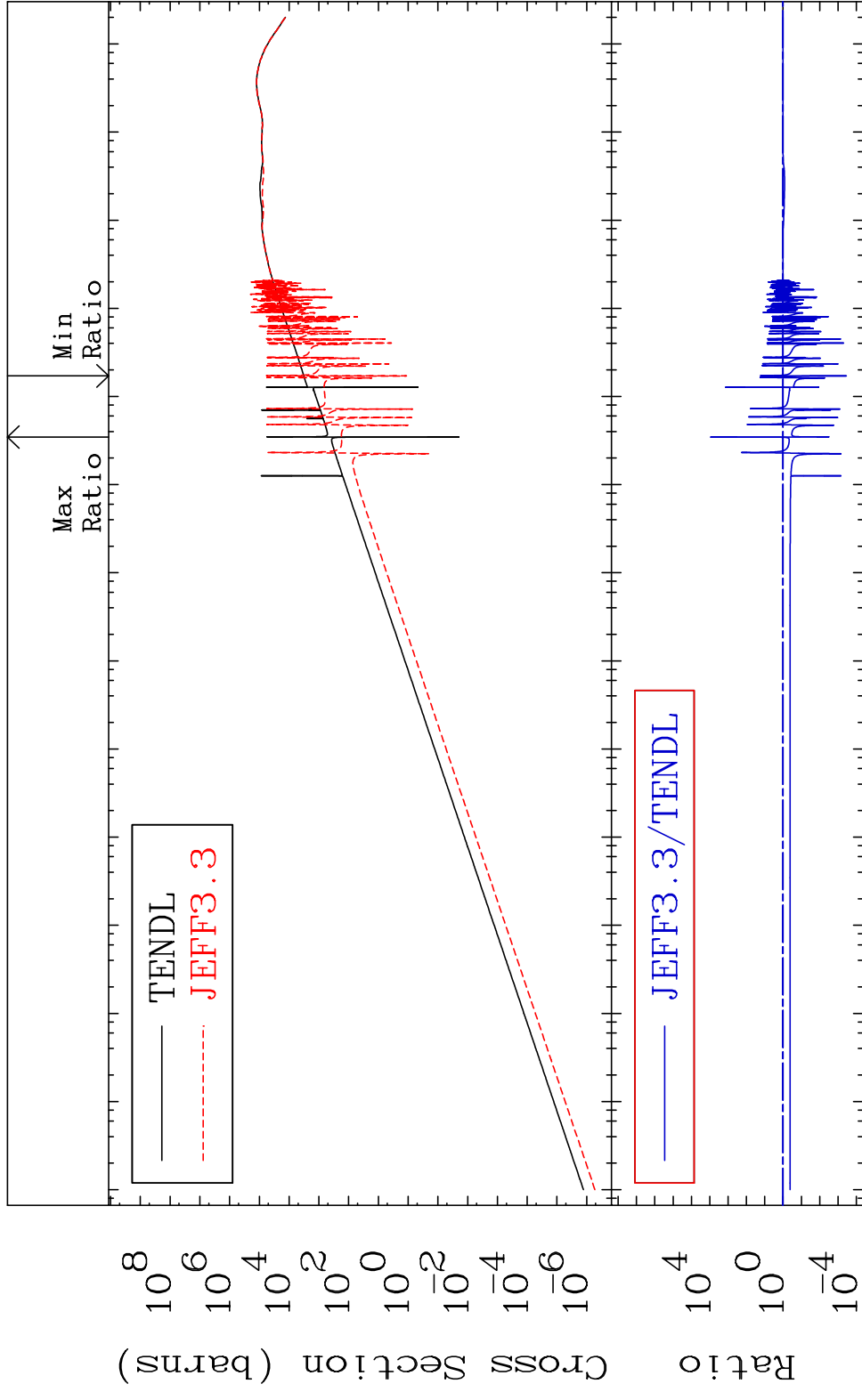


Ratio
 10^3
 10^0
 10^{-3}

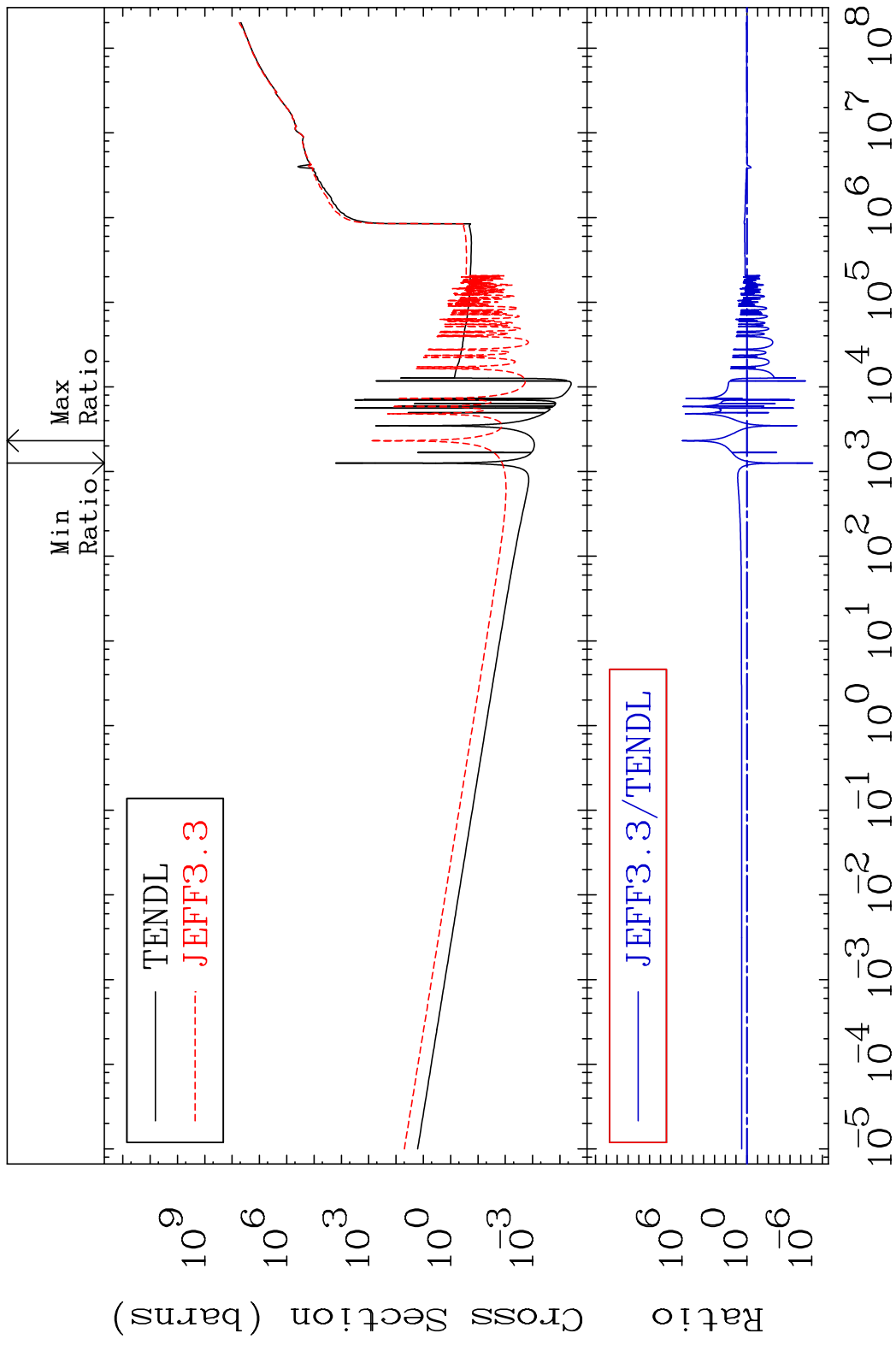
Incident Energy (eV) 38-Sr-90

MAT 3843

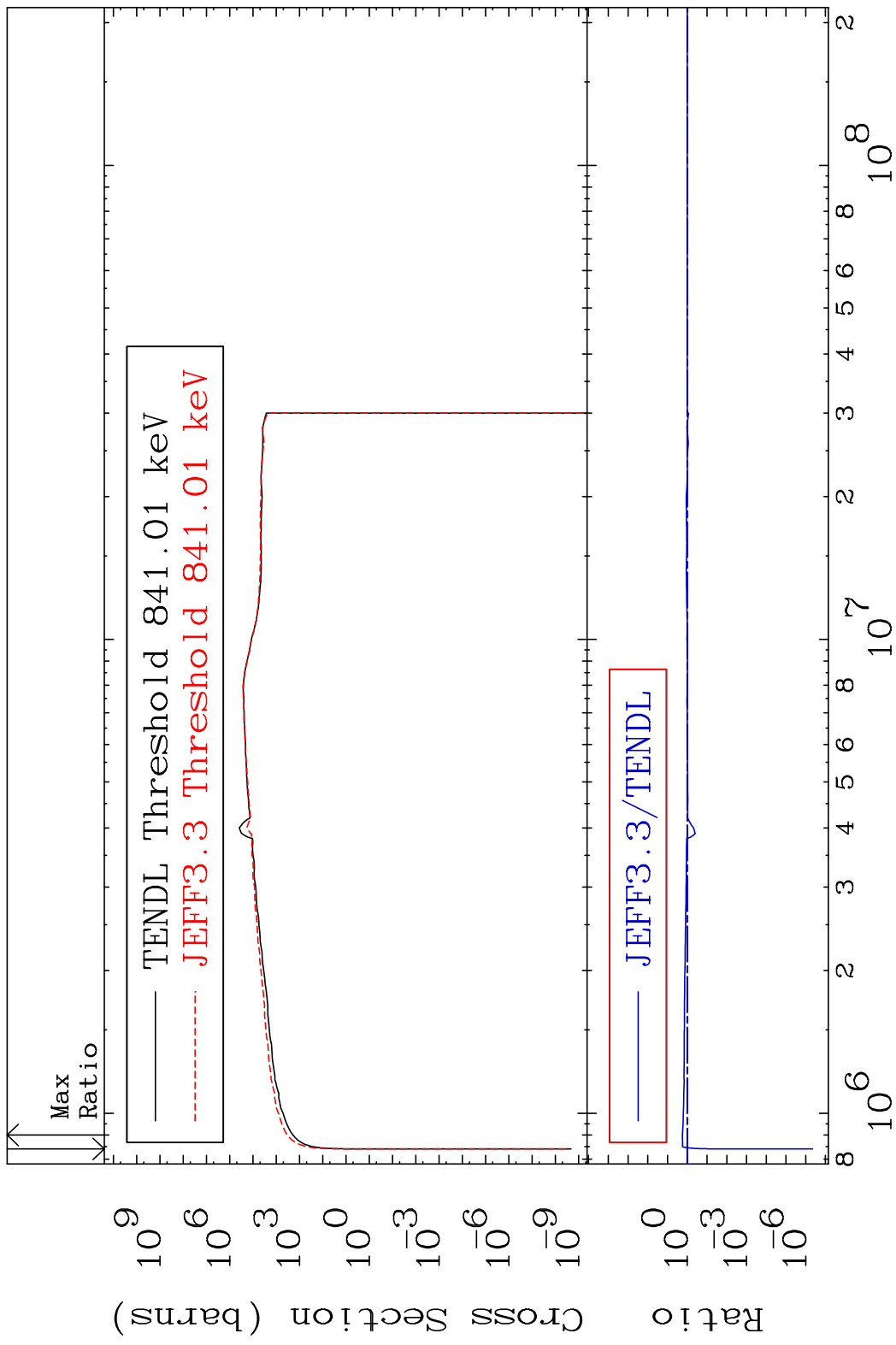
Kerma elastic Cross Section
38-Sr-90
-99.96 To 9999. %



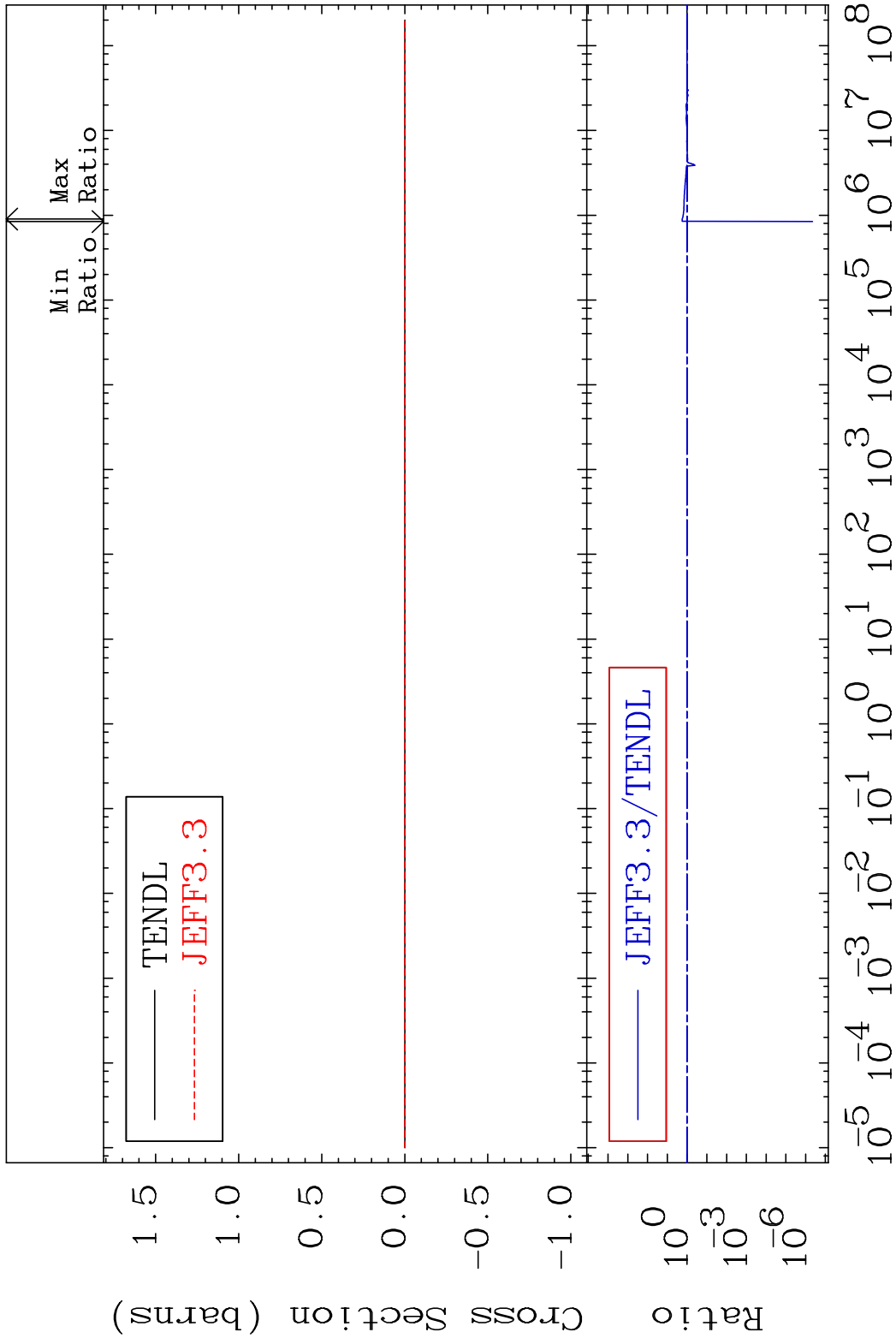
MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90
 Cross Section -100.0 To 9999. %



MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 77.11 %

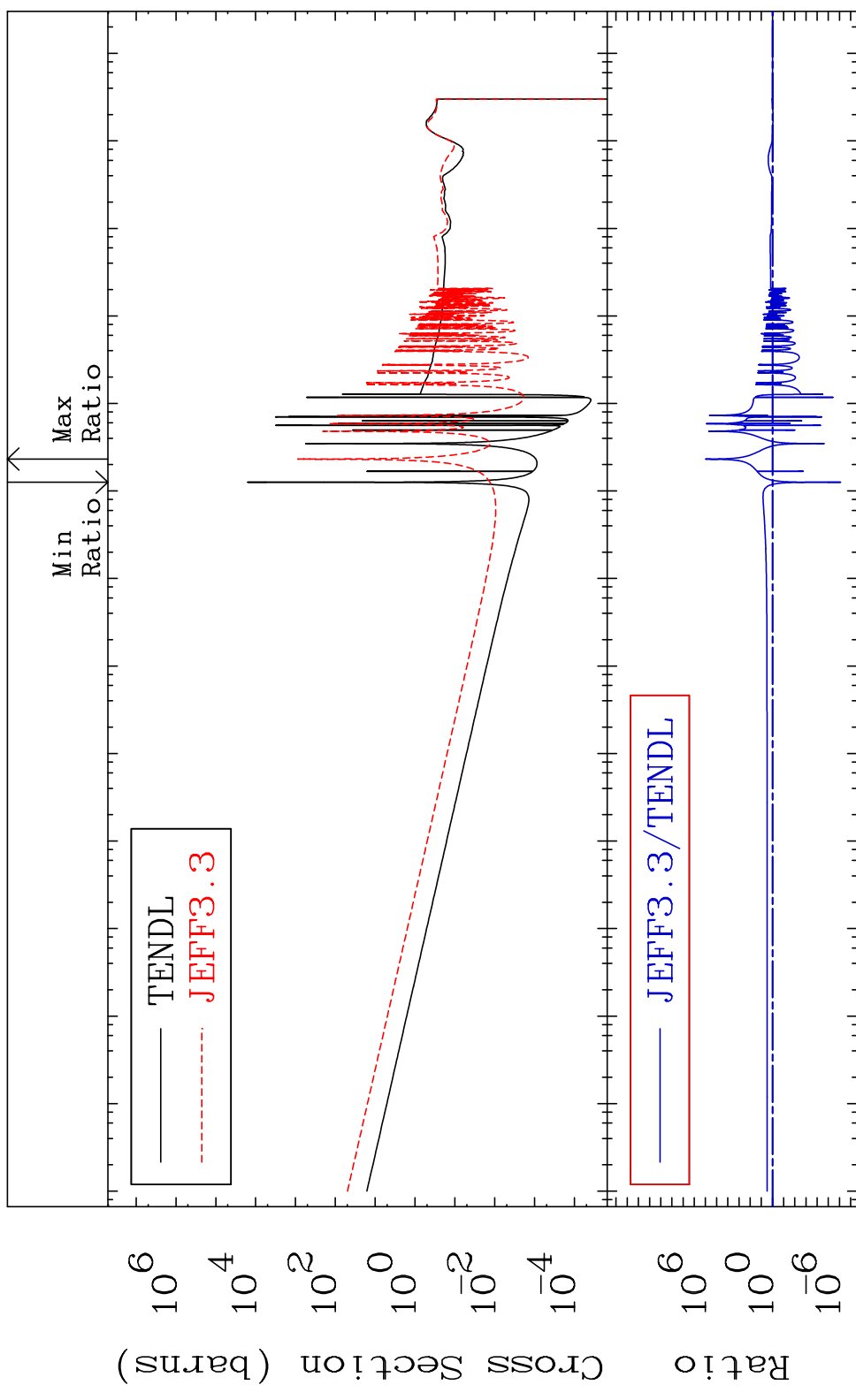


MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90
 Cross Section -100.0 To 77.11 %



MAT 3843

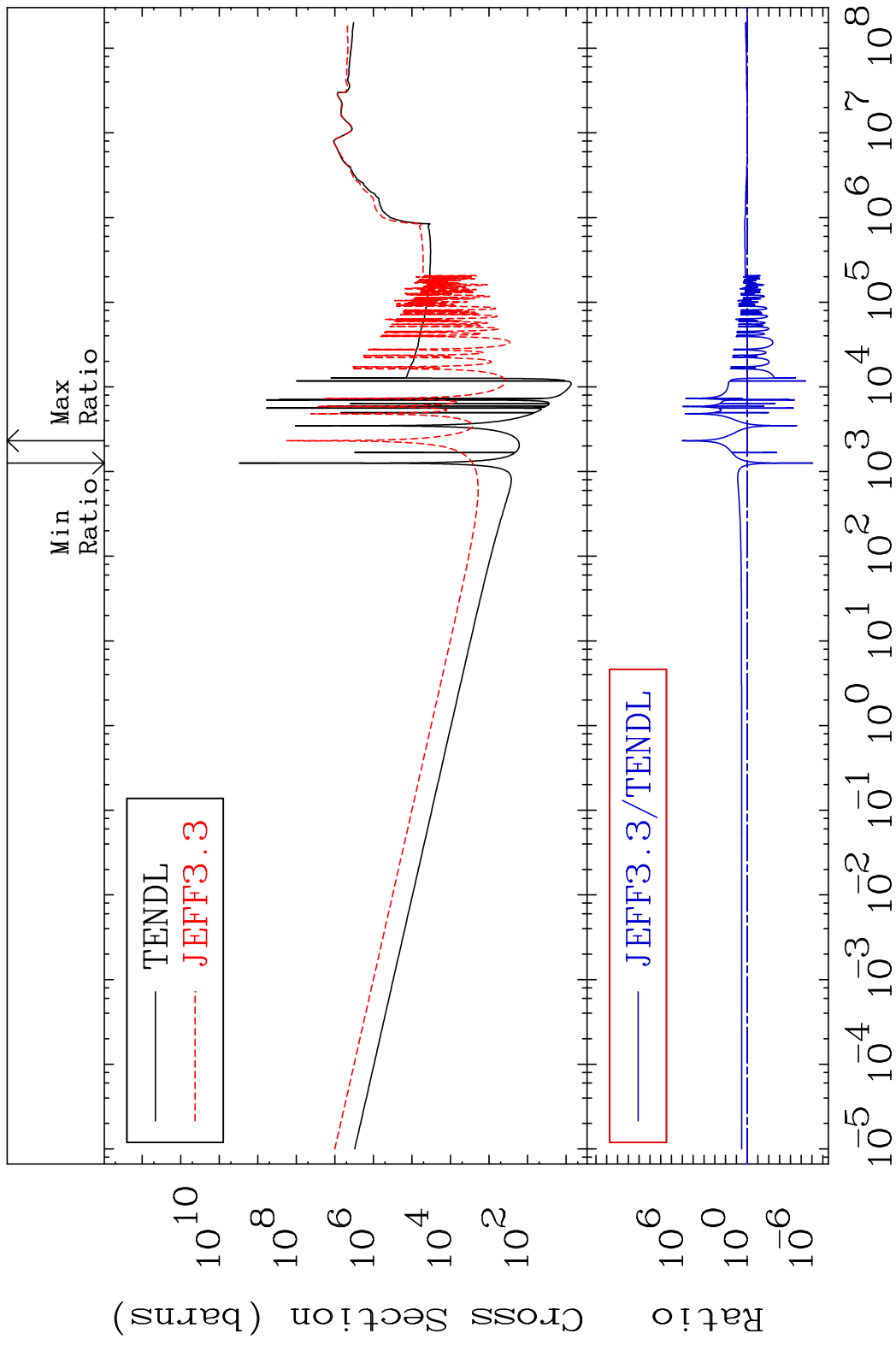
Kerma capture (mt102) 38-Sr-90
Cross Section -100.0 To 9999. %



68

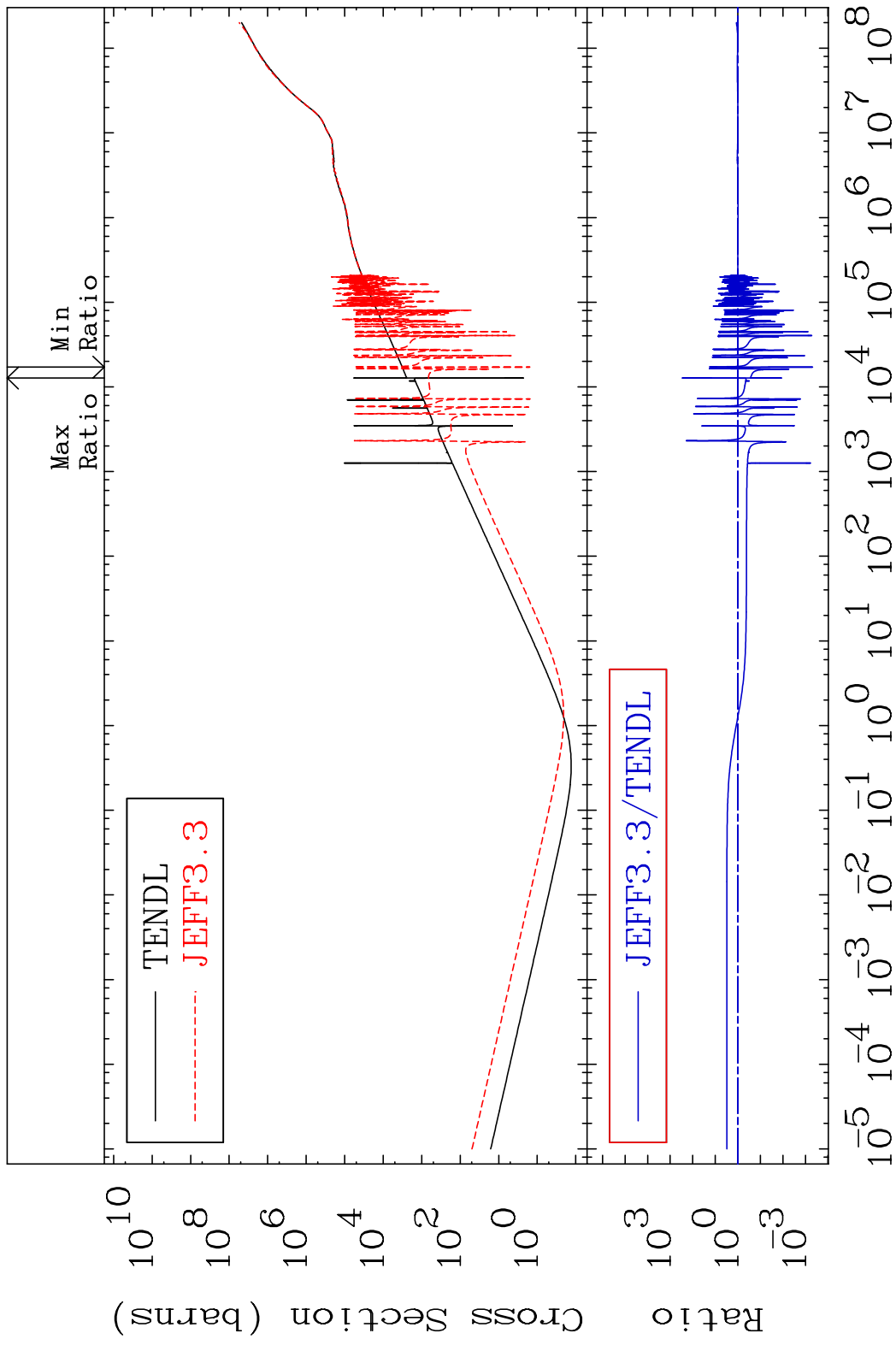
Incident Energy (eV) 38-Sr-90

MAT 3843 Total photon (eV-barns) 38-Sr-90
 Cross Section -100.0 To 9999. %



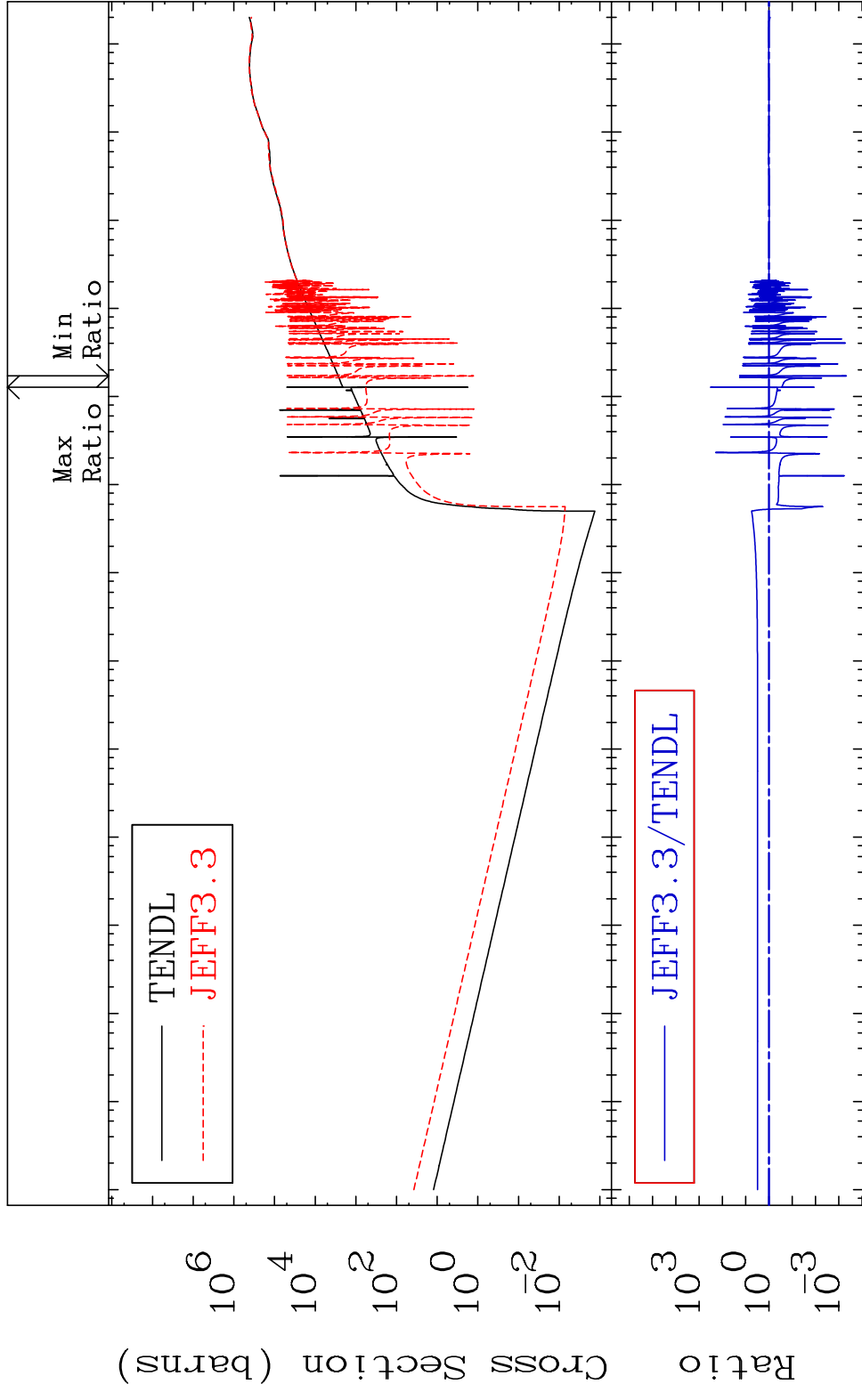
69 Incident Energy (eV) 38-Sr-90

MAT 3843 Total kinematic kerma (high limit) 38-Sr-90
 Cross Section -99.95 To 9999. %



70 Incident Energy (eV) 38-Sr-90

MAT 3843 Dpa total (eV-barns) 38-Sr-90
 Cross Section -99.95 To 9999. %



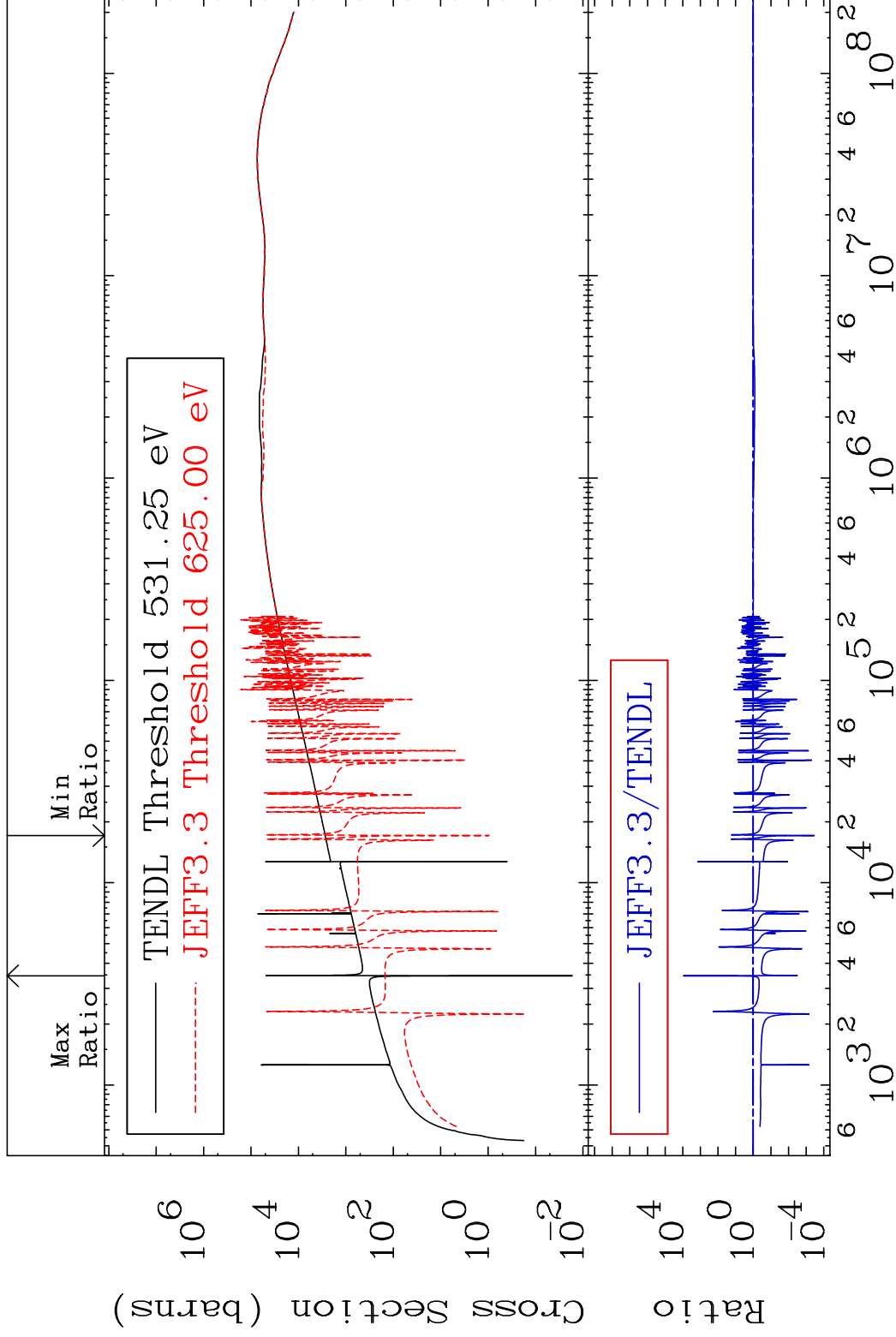
71 Incident Energy (eV) 38-Sr-90

MAT 3843

Dpa elastic (mt2)

38-Sr-90

Cross Section -99.96 To 9999. %

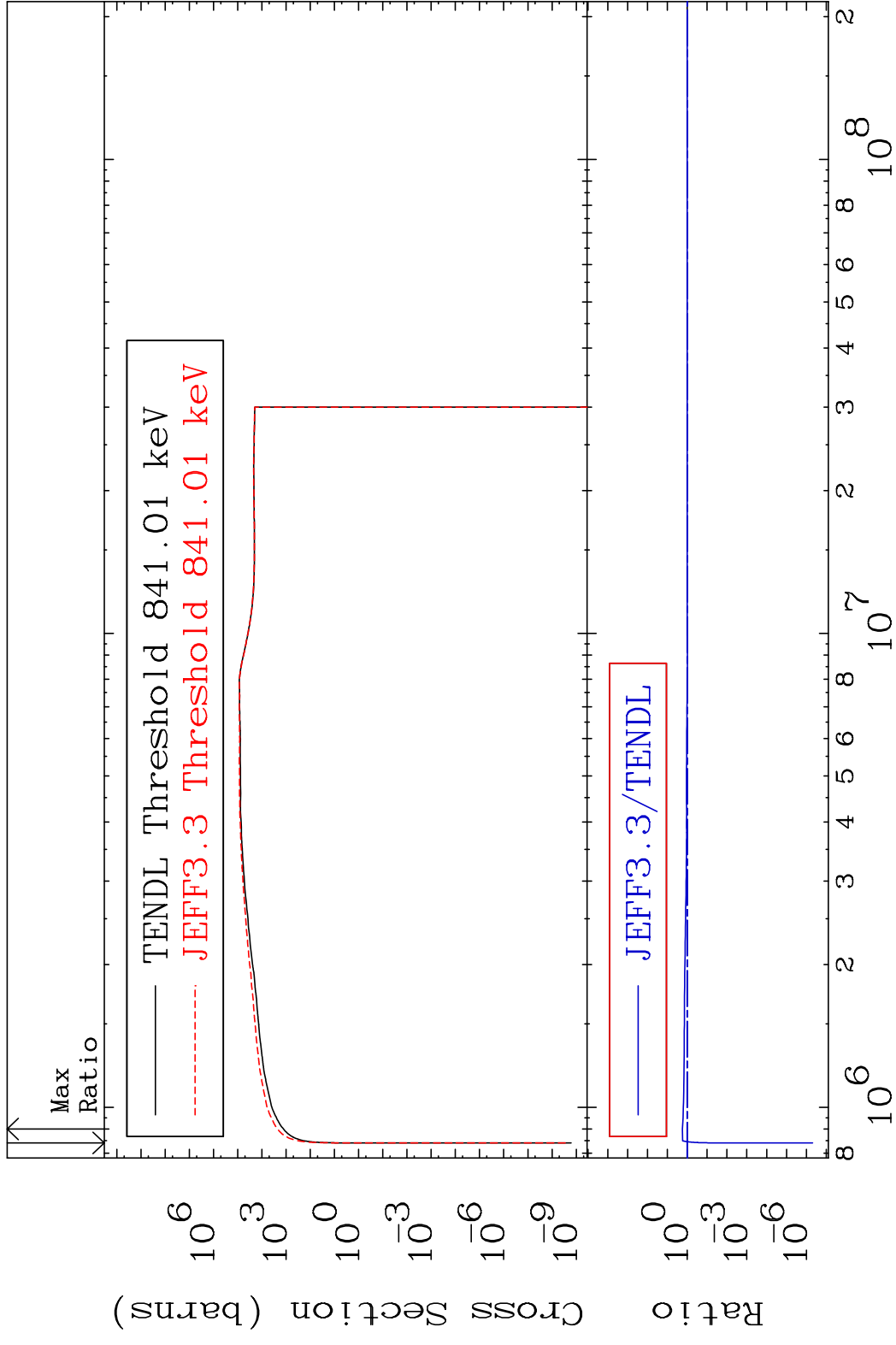


72

Incident Energy (eV)

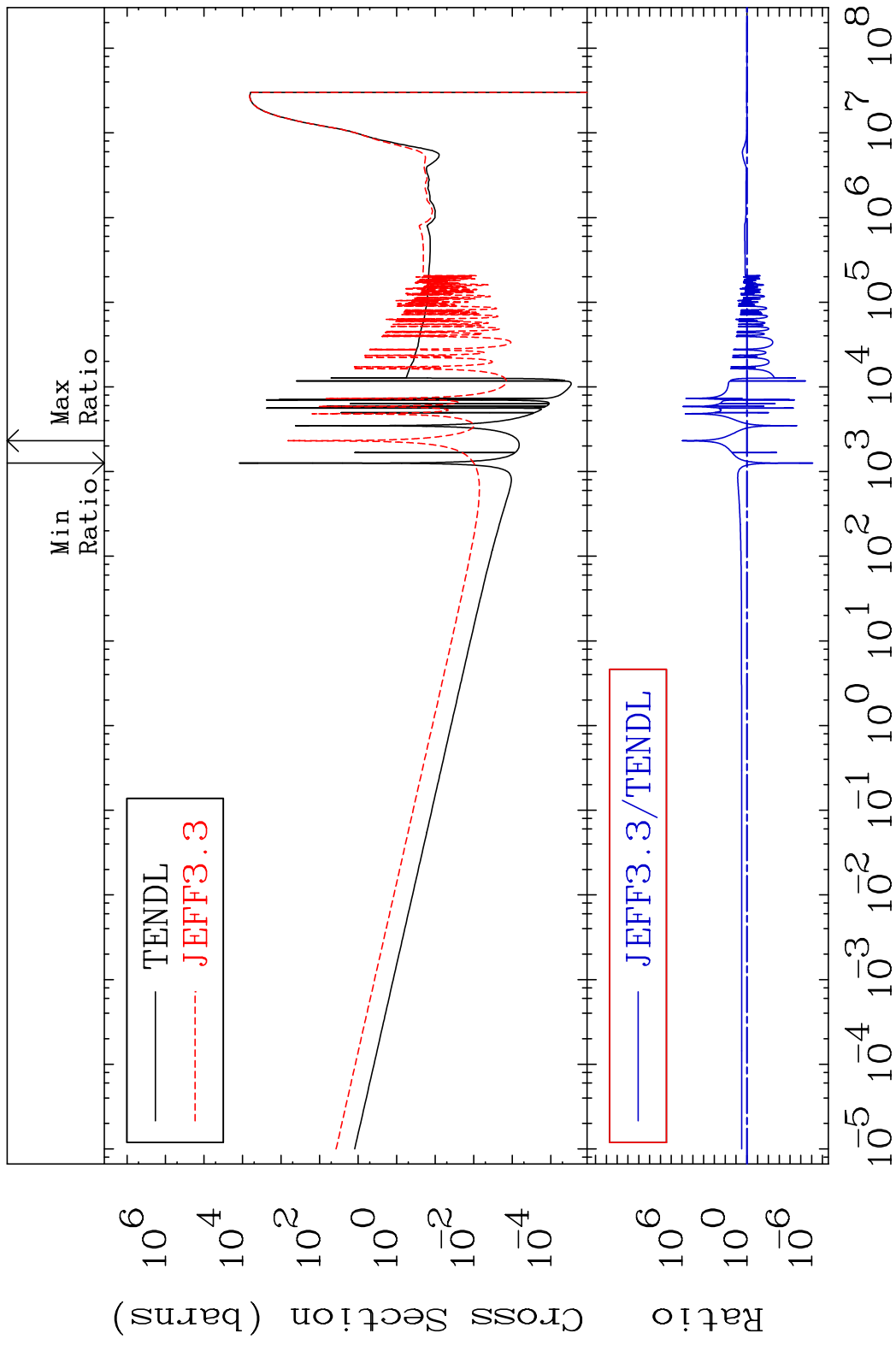
38-Sr-90

MAT 3843 Dpa inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 77.14 %



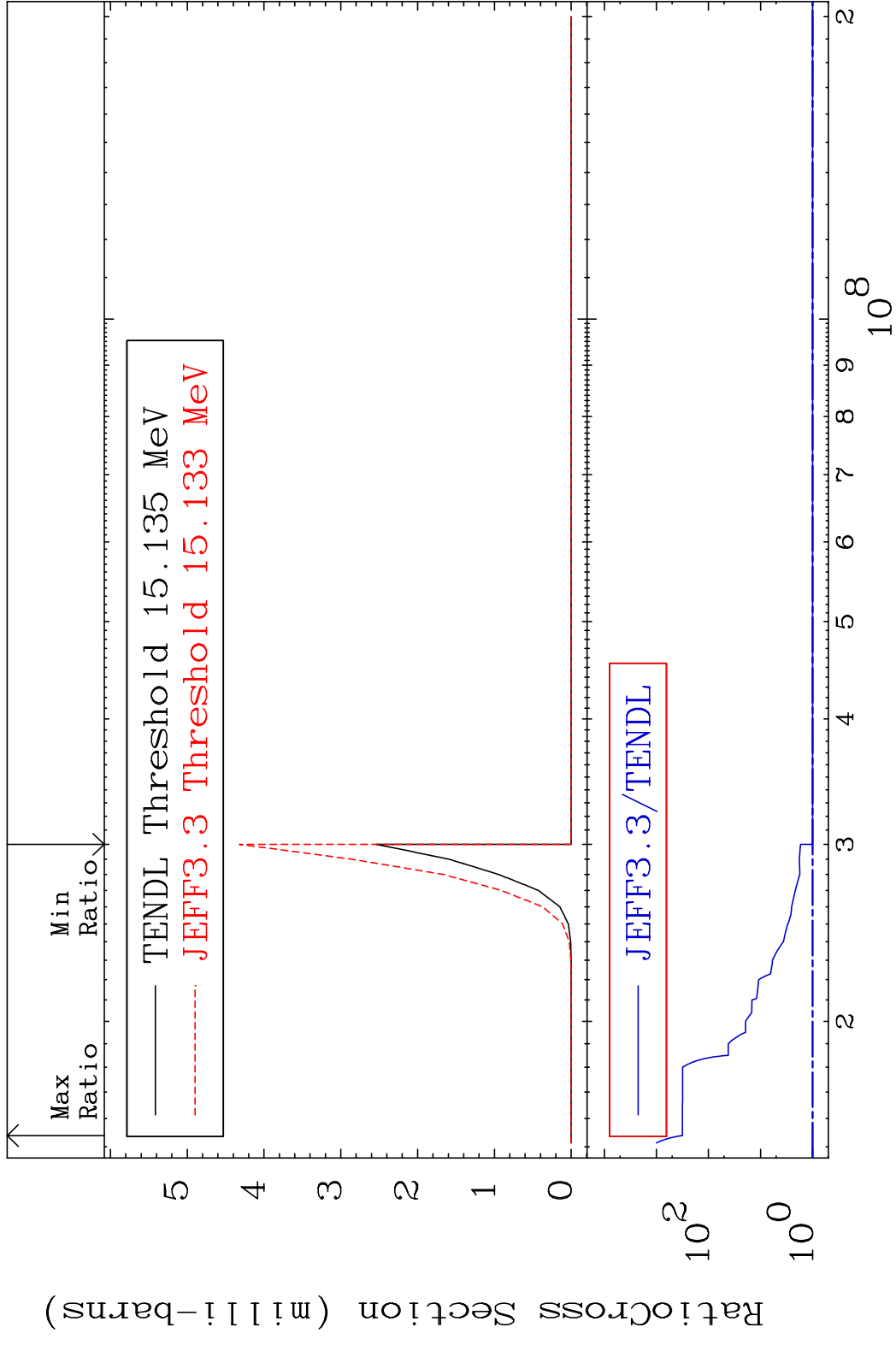
73 Incident Energy (eV) 38-Sr-90

MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90
 Cross Section -100.0 To 9999. %

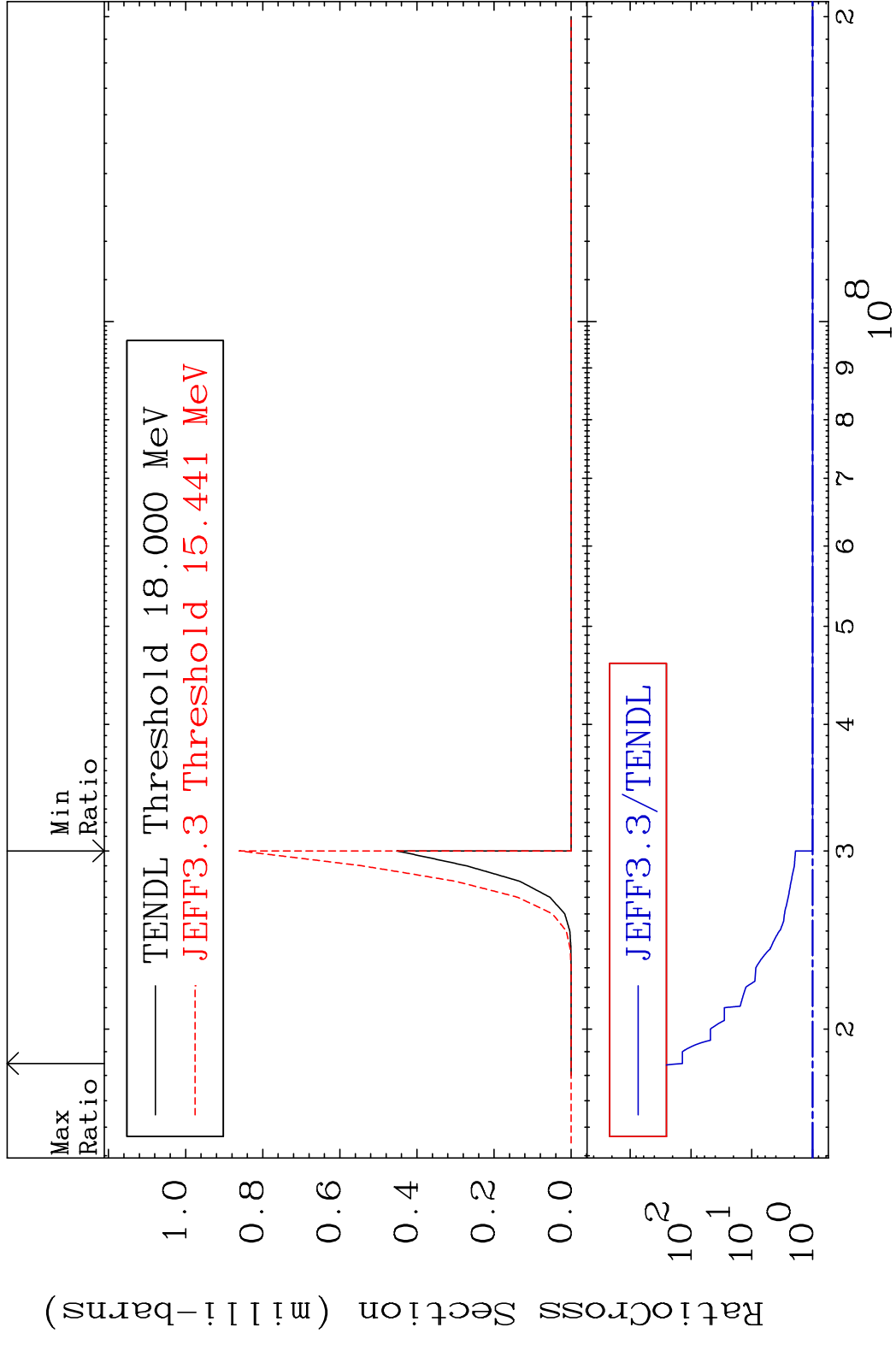


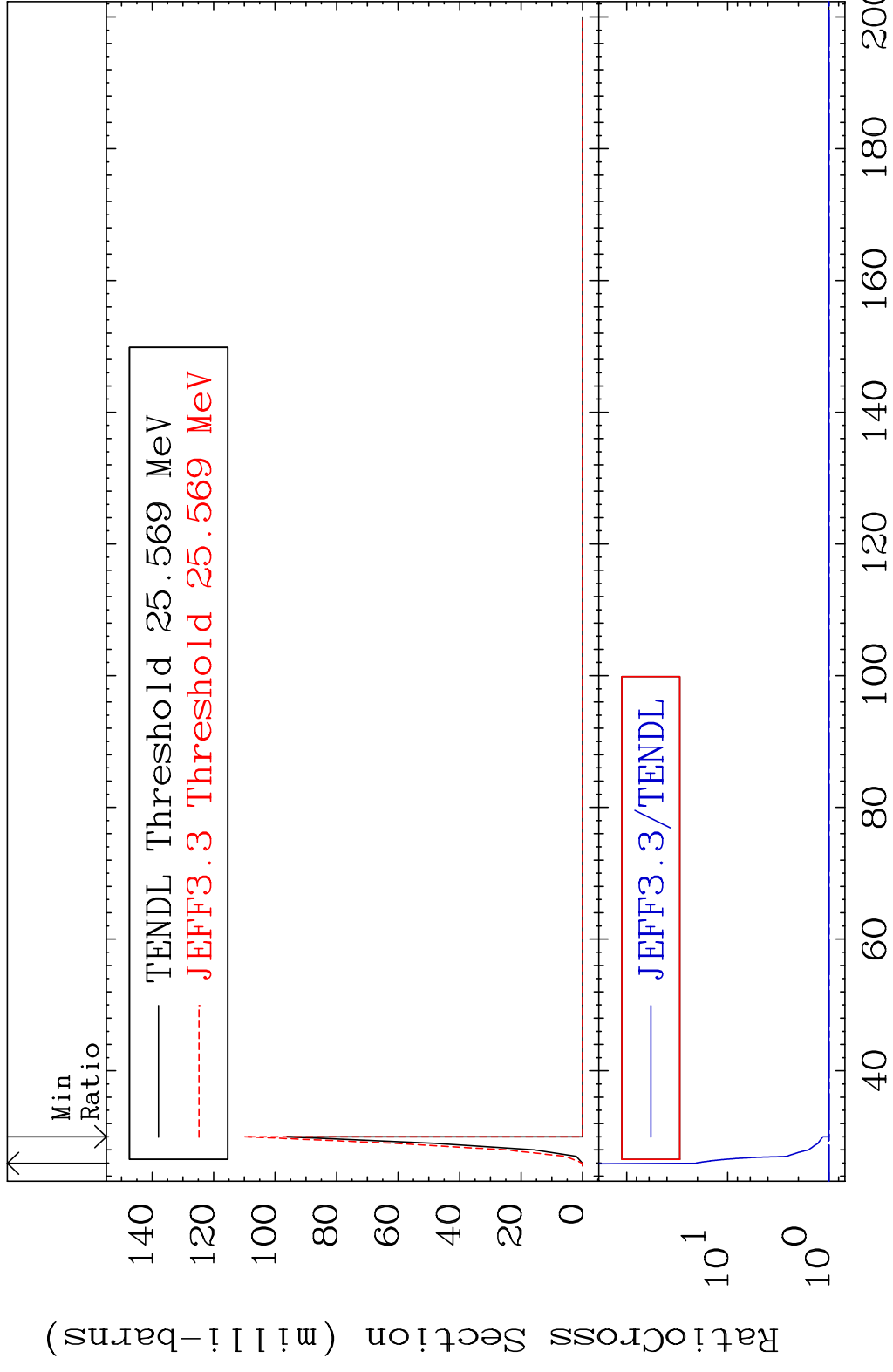
74 Incident Energy (eV) 38-Sr-90

MAT 3843 (n,2n) α :36-Kr-85g 38-Sr-90
 Radionuclide Production Cross Section 9999. %

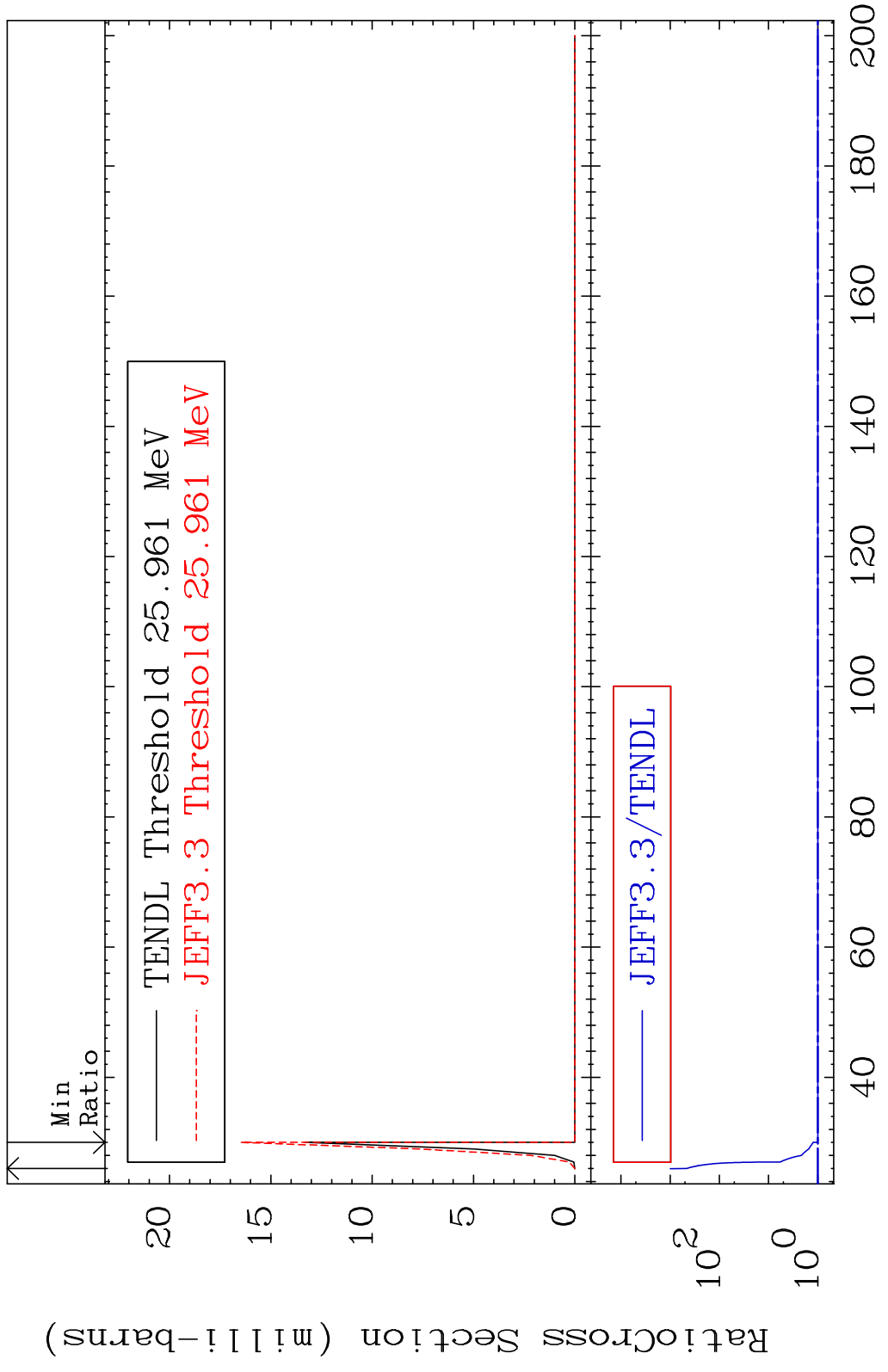


MAT 3843 (n,2n) α :36-Kr-85m1 38-Sr-90
 Radionuclide Production Cross Section 9999. %

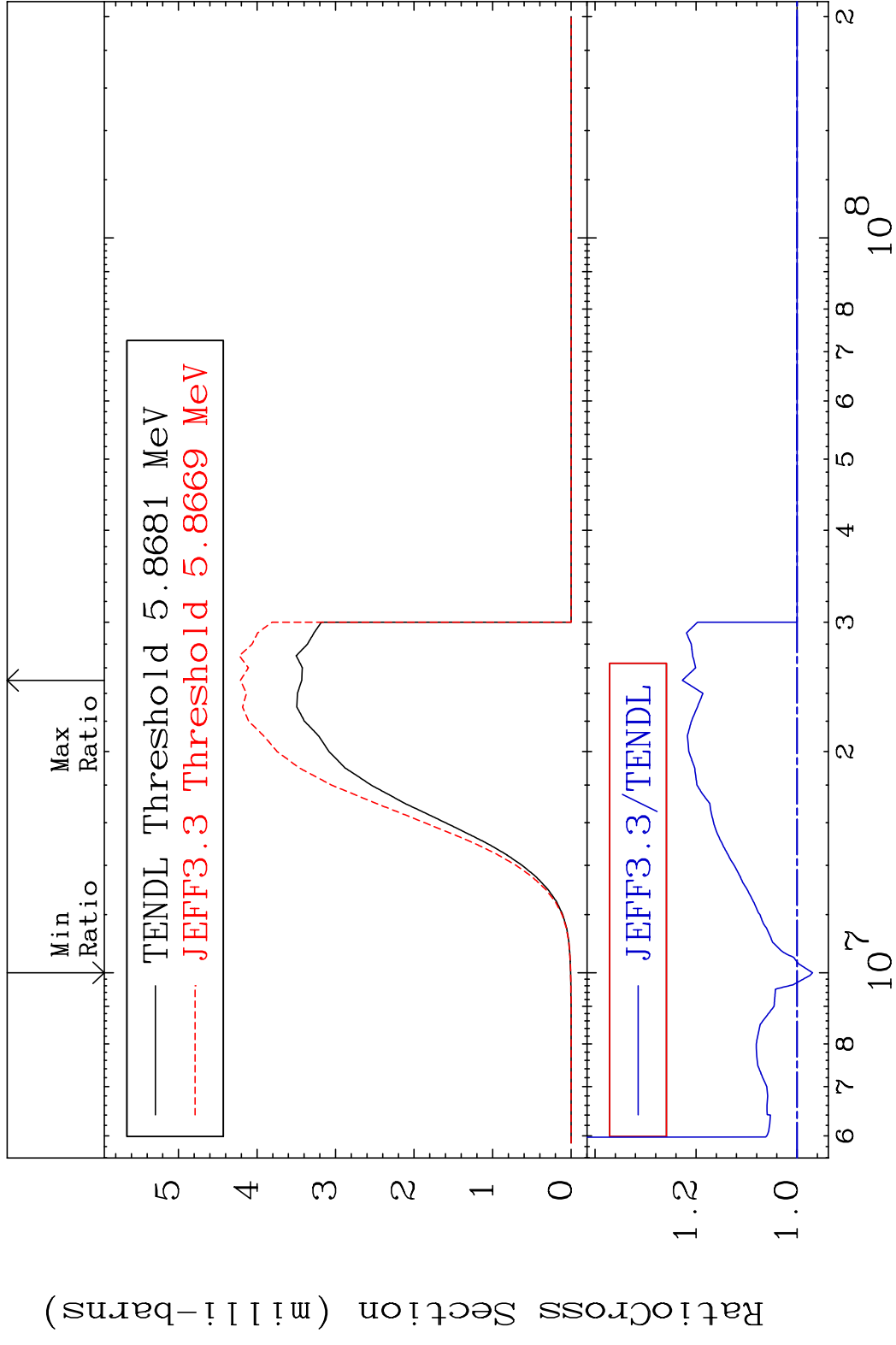




MAT 3843 (n,4n):38-Sr-87m1 38-Sr-90
 Radionuclide Production Cross Section 9999. %

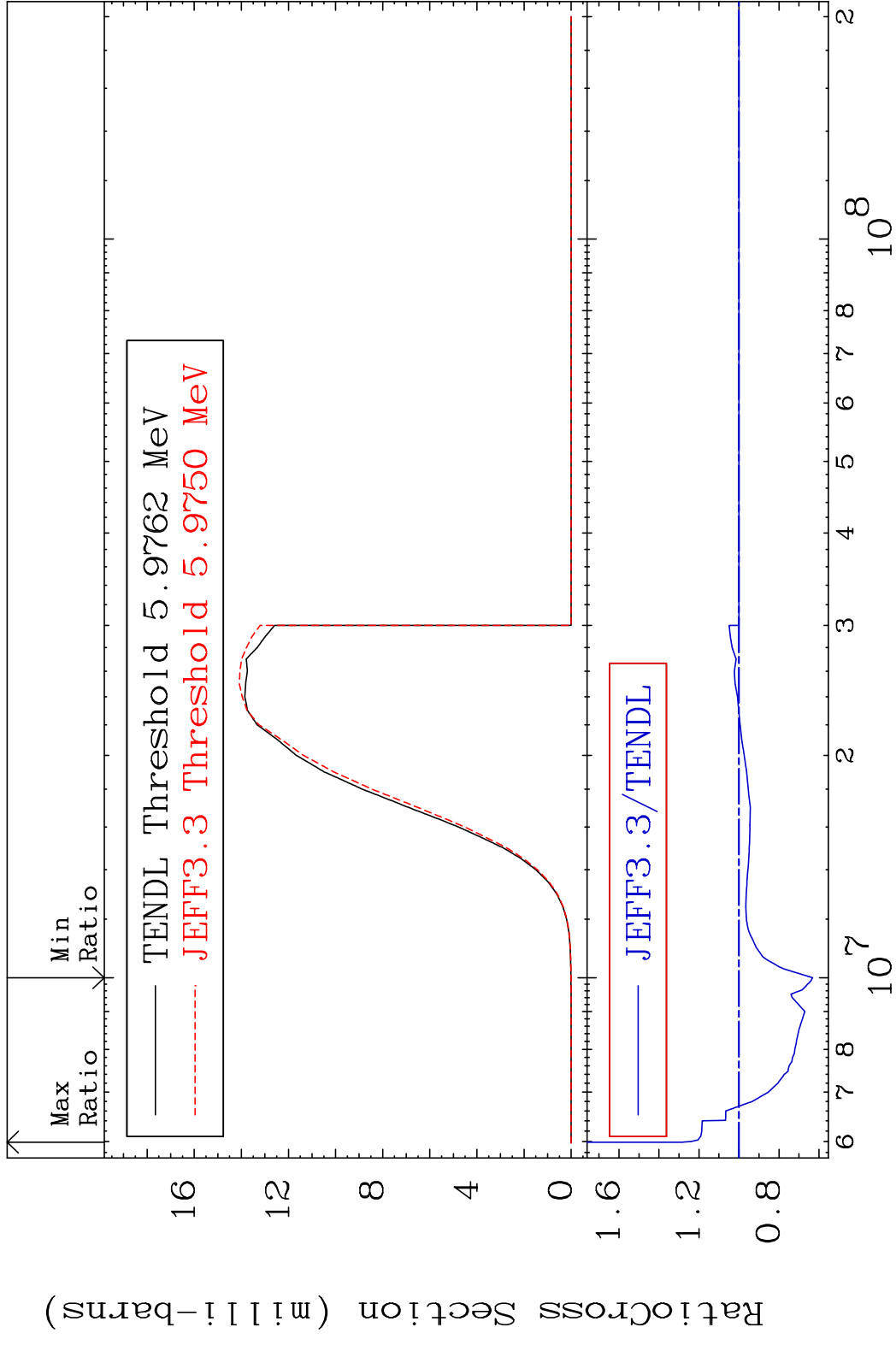


MAT 3843 (n, p): 37-Rb-90g 38-Sr-90
 Radionuclide Production Cross Section 22.72 %



79 Incident Energy (eV) 38-Sr-90

MAT 3843 (n,p):37-Rb-90m1 38-Sr-90
 Radionuclide Production Cross Section 28.31 %



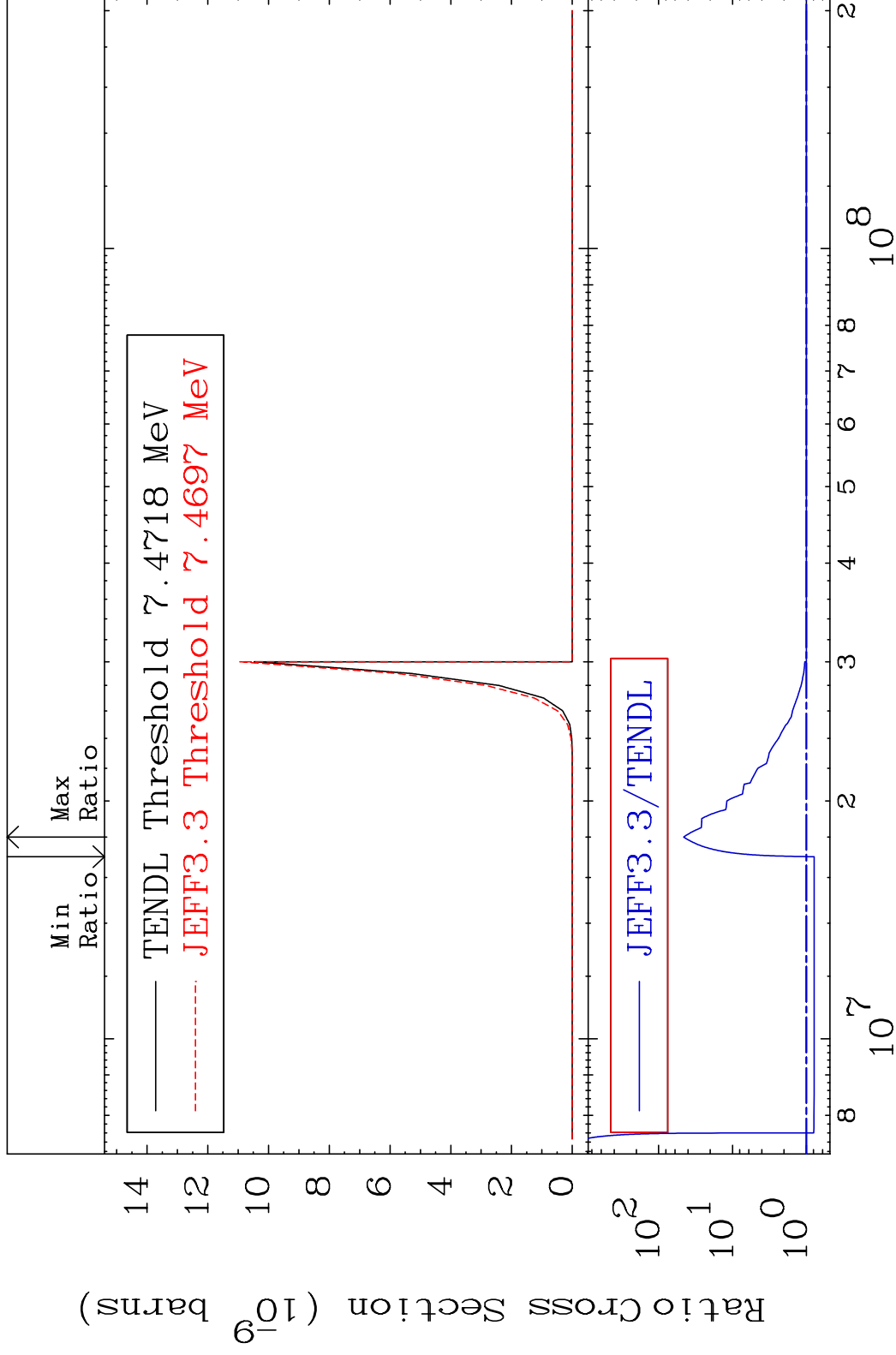
80 Incident Energy (eV) 38-Sr-90

MAT 3843

(n,2α):34-Se-83g

38-Sr-90

Radionuclide Production Cross Section 4484. %



81

Incident Energy (eV)

38-Sr-90

MAT 3843 (n,2α):34-Se-83m1 38-Sr-90
 Radionuclide Production Cross Section 9999. %

