

Program Complot
(Version 2021-1)

by

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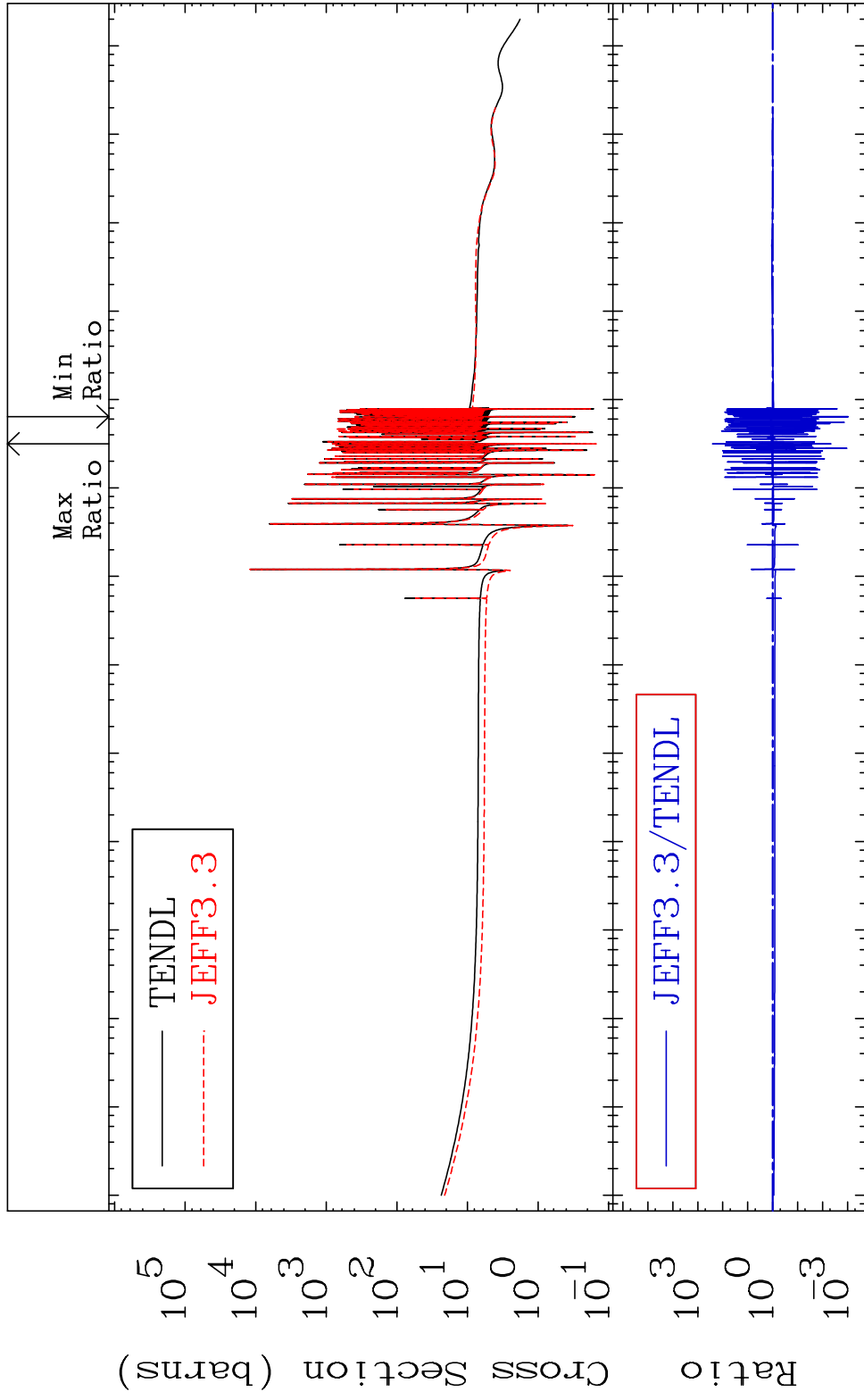
Press Mouse Button to Start

MAT 4849

Total

48-Cd-114

Cross Section -99.91 To 9999. %



1

Incident Energy (eV)

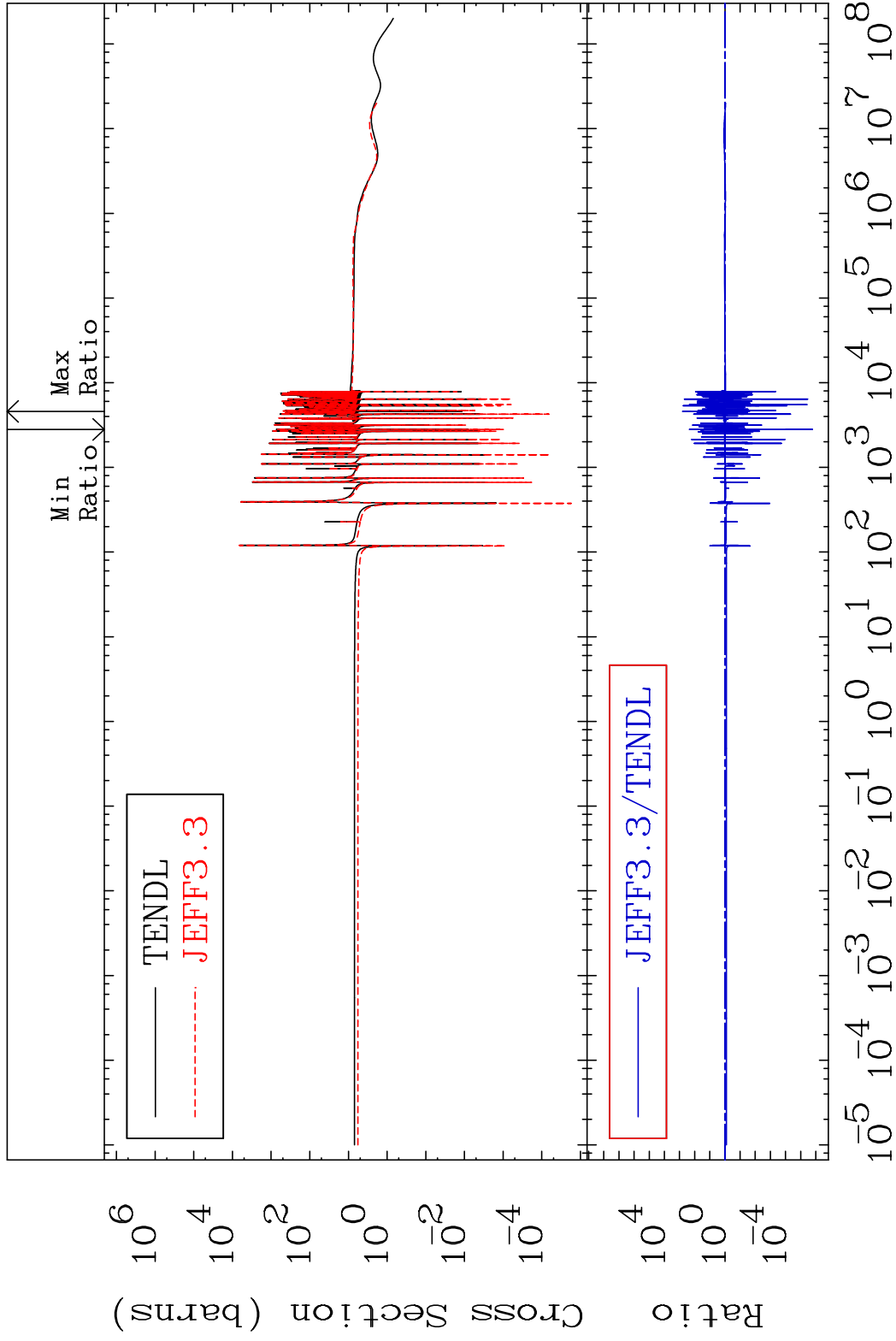
48-Cd-114

MAT 4849

Elastic

48-Cd-114

Cross Section -100.0 To 9999. %

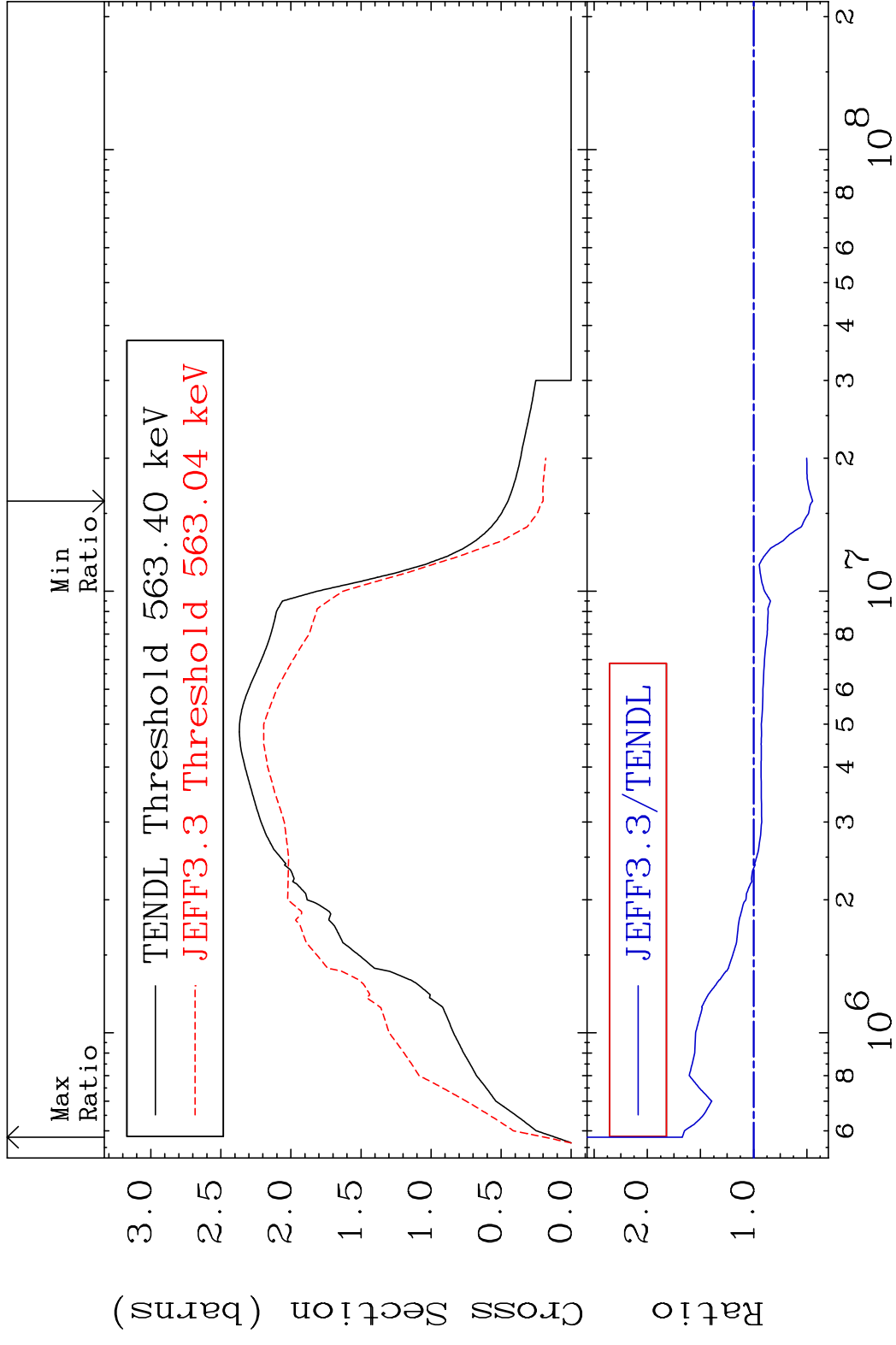


2

Incident Energy (eV)

48-Cd-114

MAT 4849 Inelastic 48-Cd-114
 Cross Section -55.39 To 67.06 %



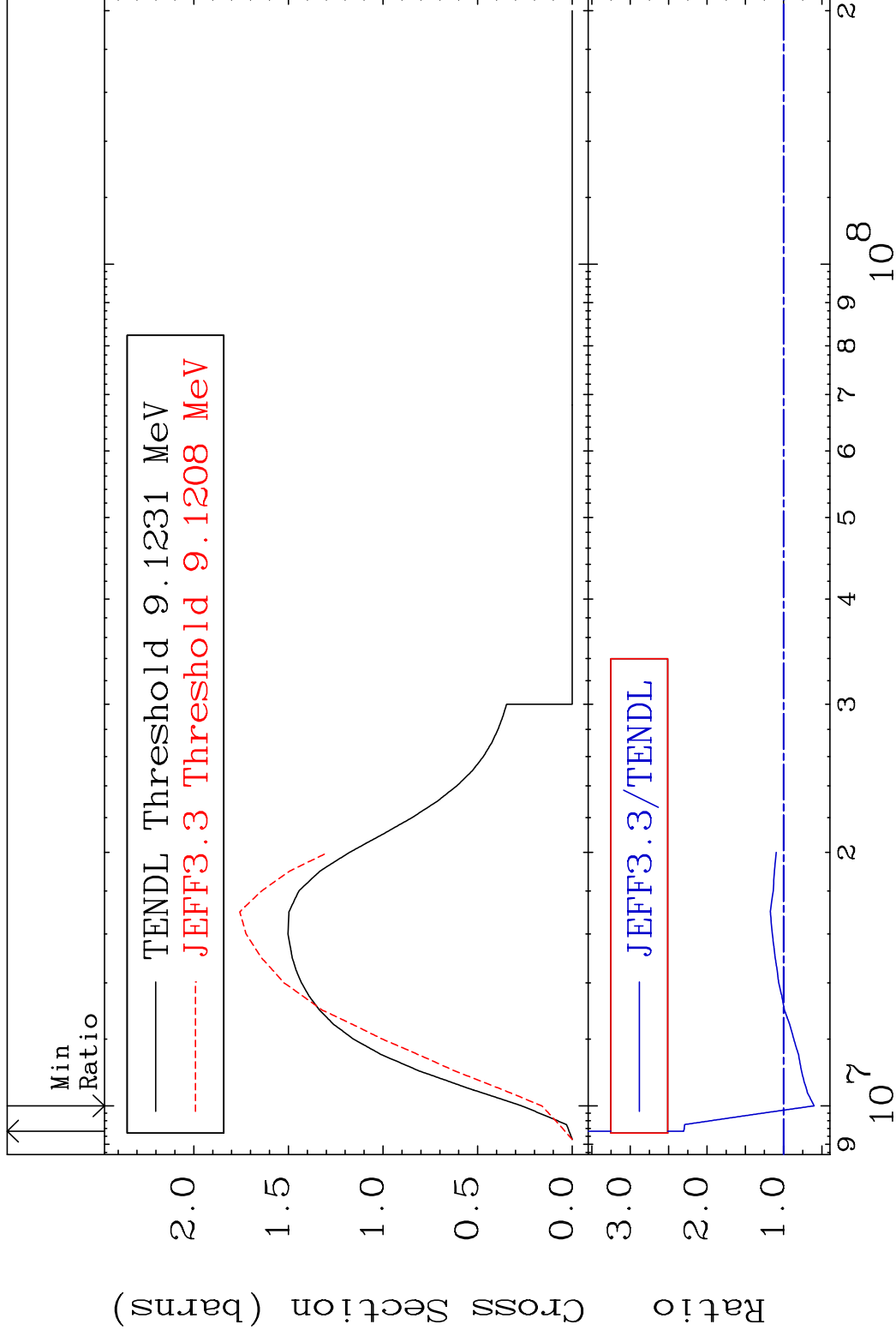
3 Incident Energy (eV) 48-Cd-114

MAT 4849

(n,2n)

48-Cd-114

Cross Section -39.71 To 130.3 %



4

Incident Energy (eV)

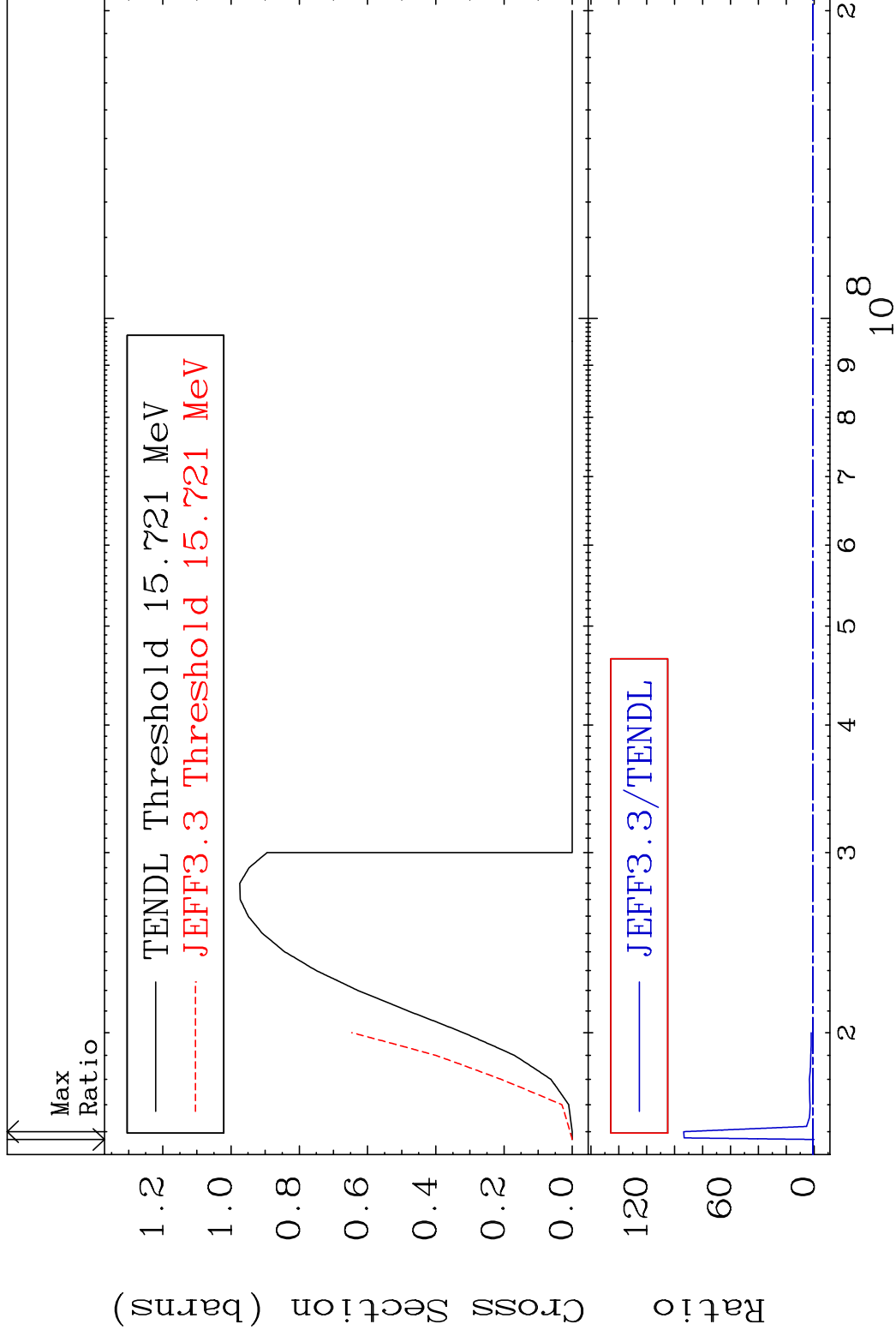
48-Cd-114

MAT 4849

(n,3n)

48-Cd-114

Cross Section -100.0 To 9255. %



5

Incident Energy (eV)

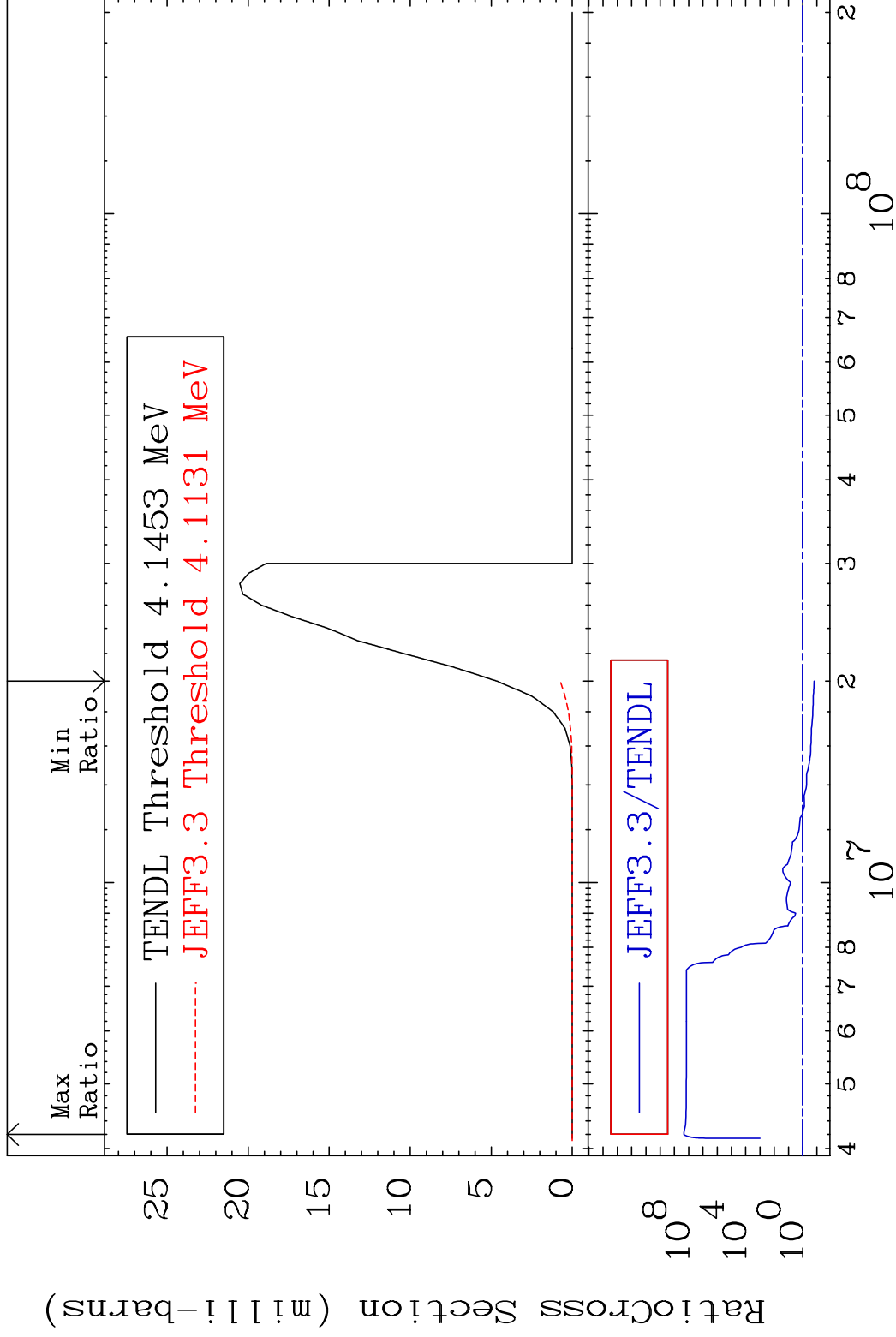
48-Cd-114

MAT 4849

(n, n') α

48-Cd-114

Cross Section -84.06 To 9999. %



6

Incident Energy (eV)

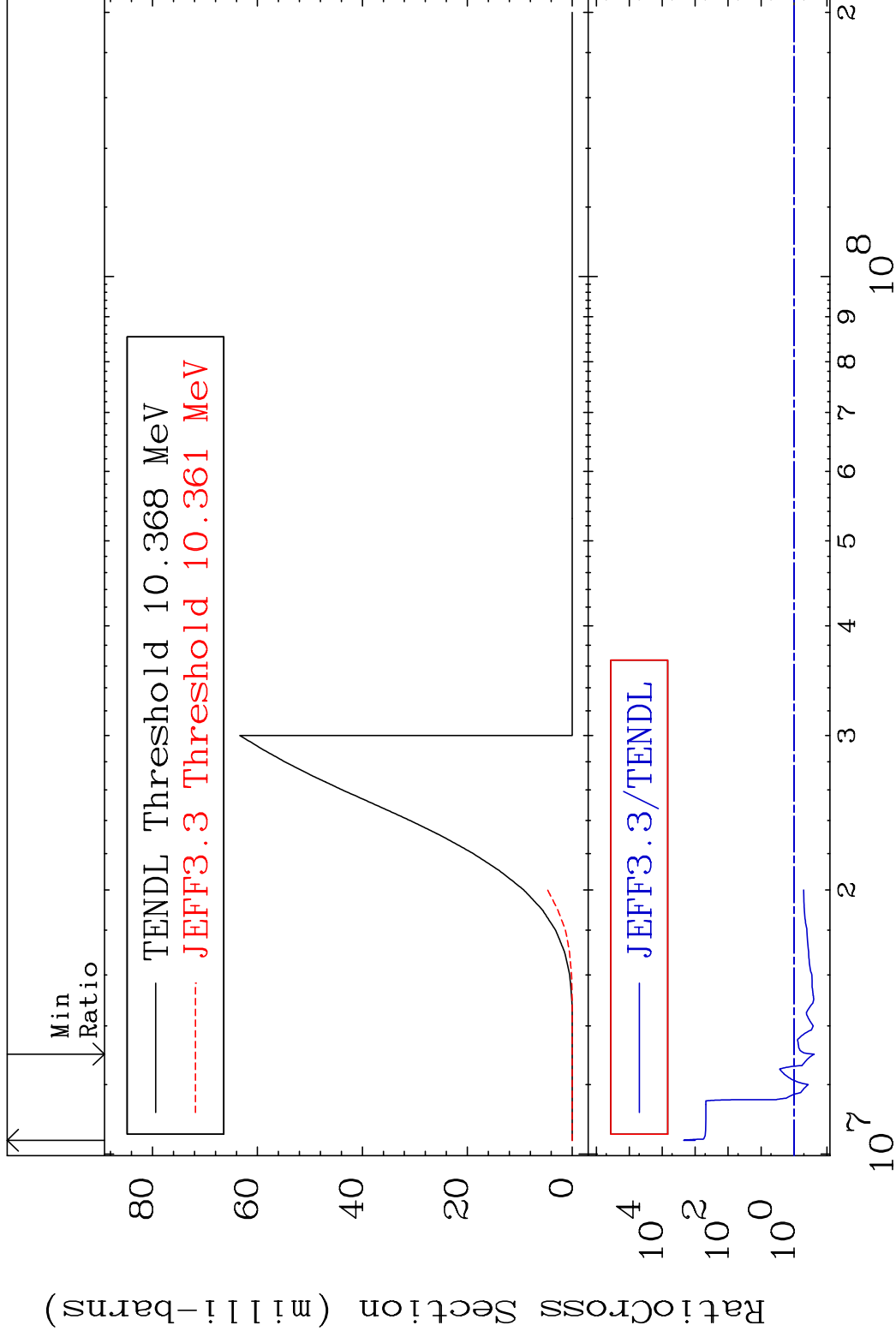
48-Cd-114

MAT 4849

(n, n') p

48-Cd-114

Cross Section -75.44 To 9999. %



7

Incident Energy (eV)

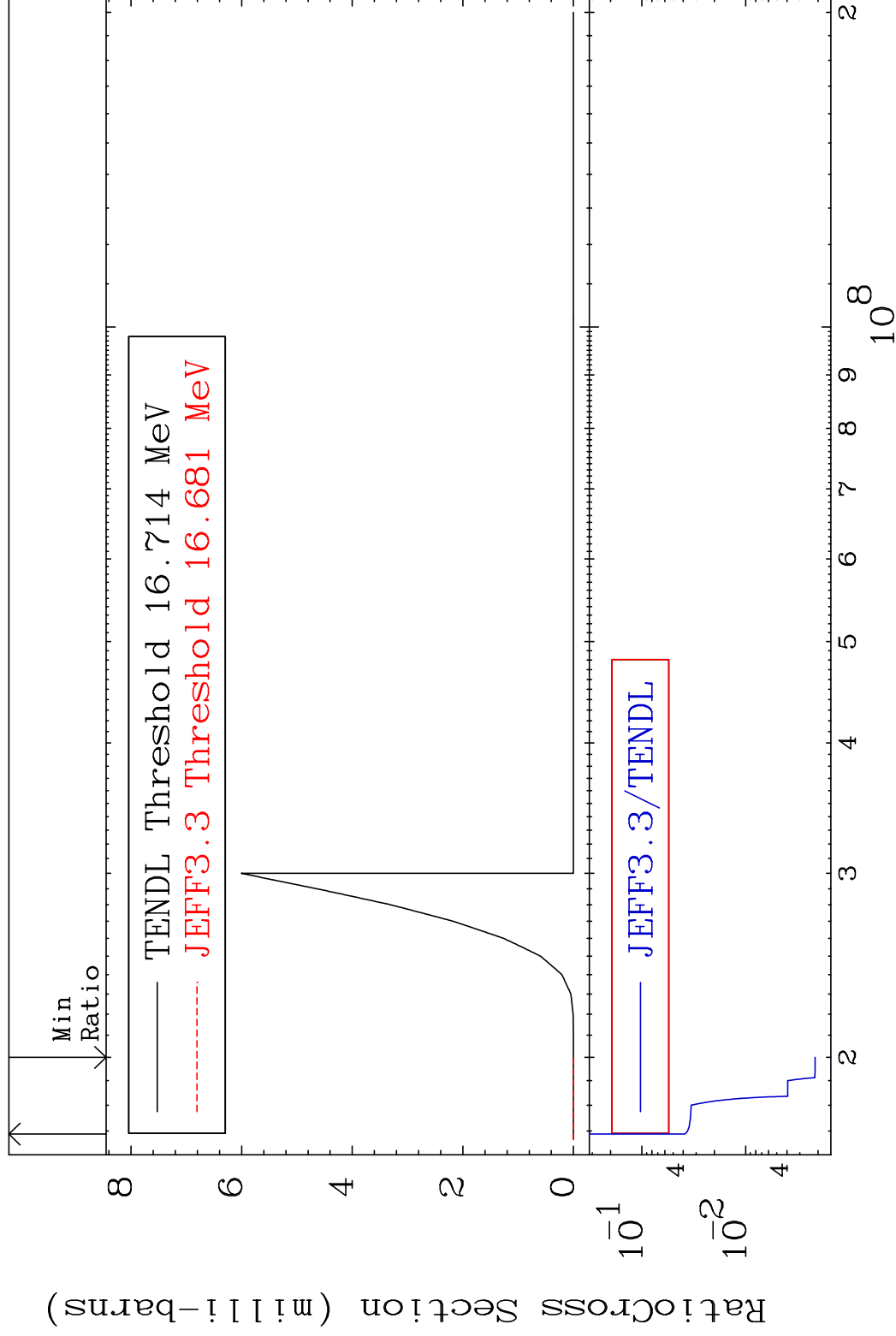
48-Cd-114

MAT 4849

(n, n') d

48-Cd-114

Cross Section -99.79 To -96.14%



8

Incident Energy (eV)

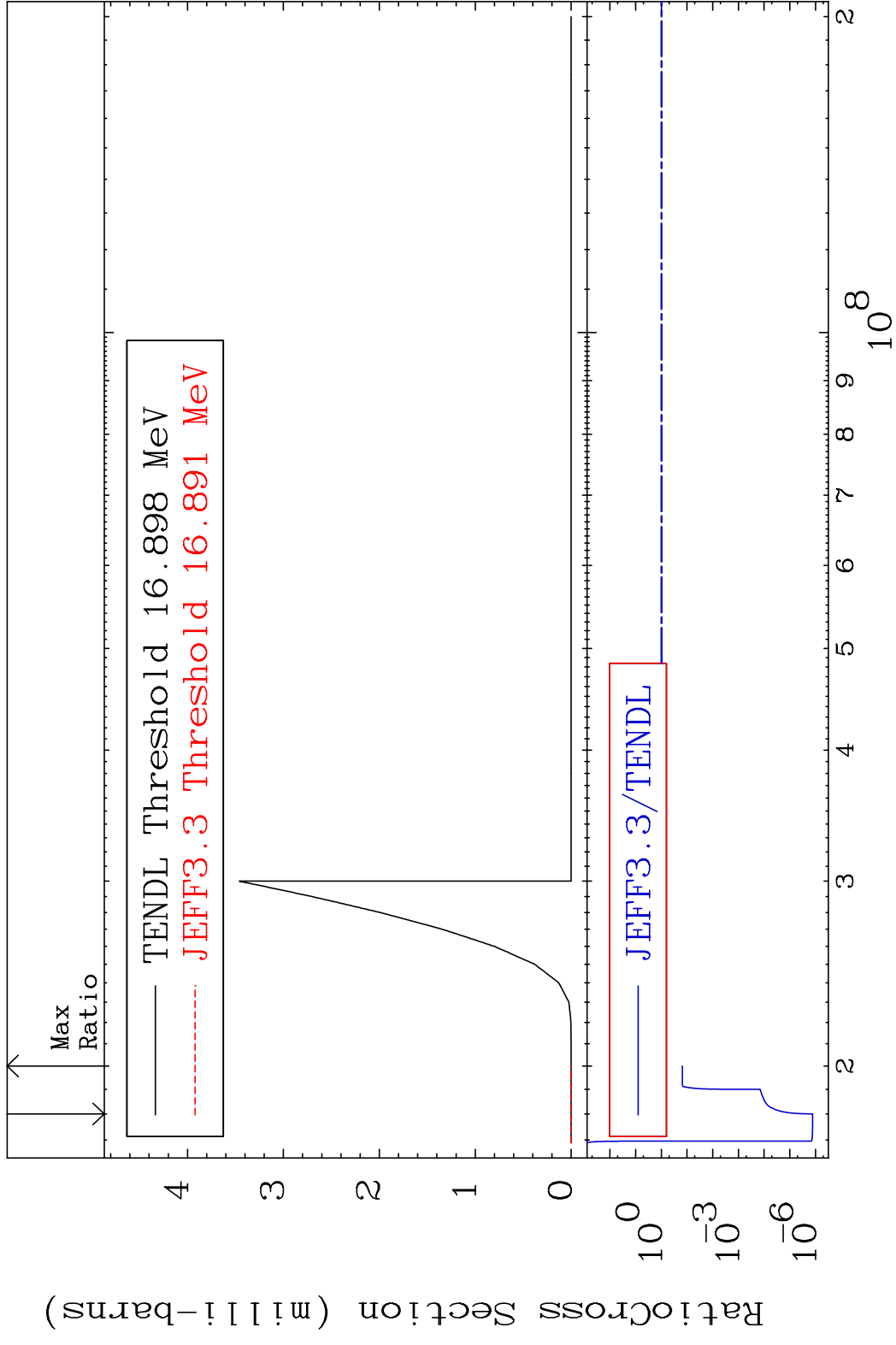
48-Cd-114

MAT 4849

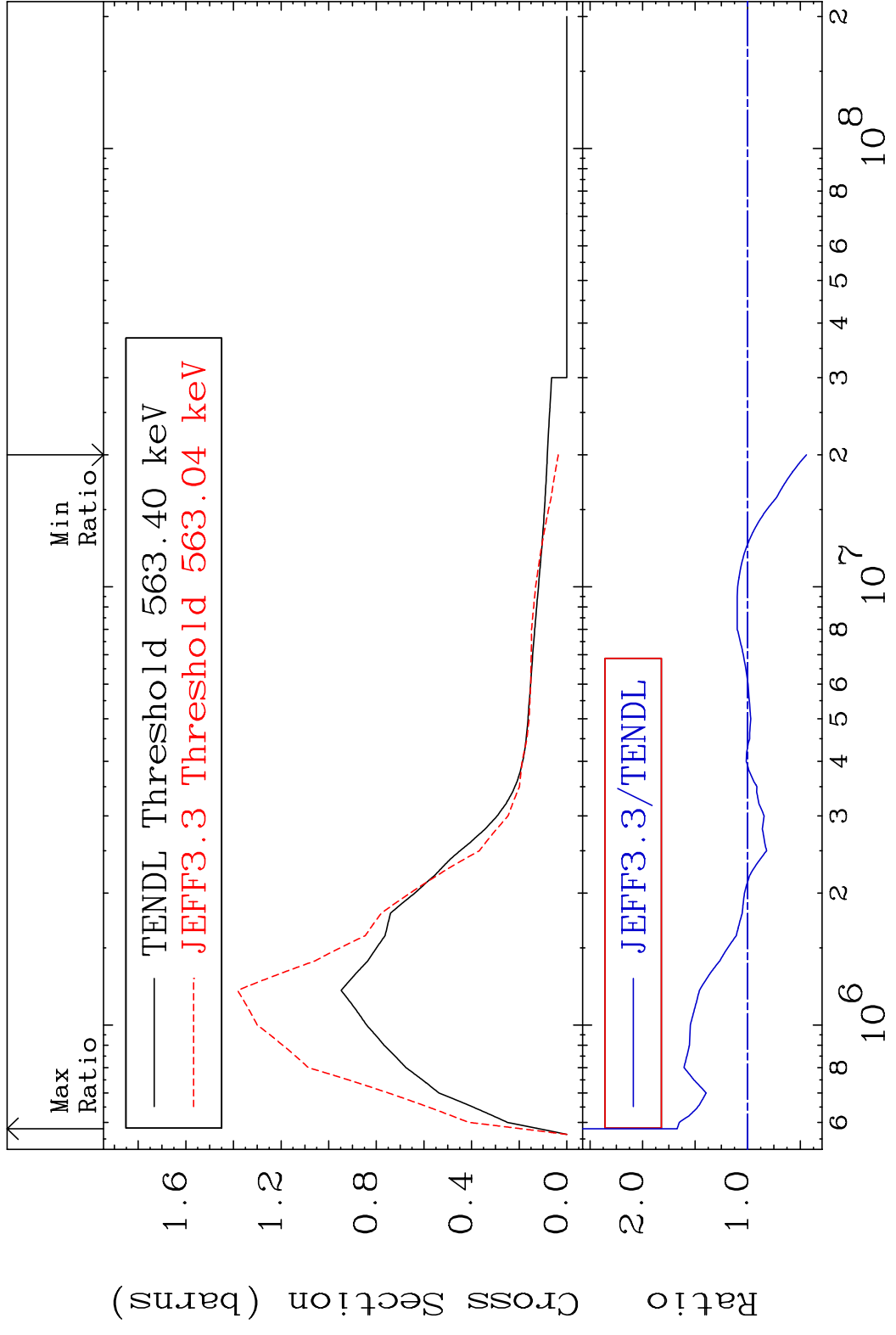
(n, n') t

48-Cd-114

Cross Section -100.0 To -84.78%

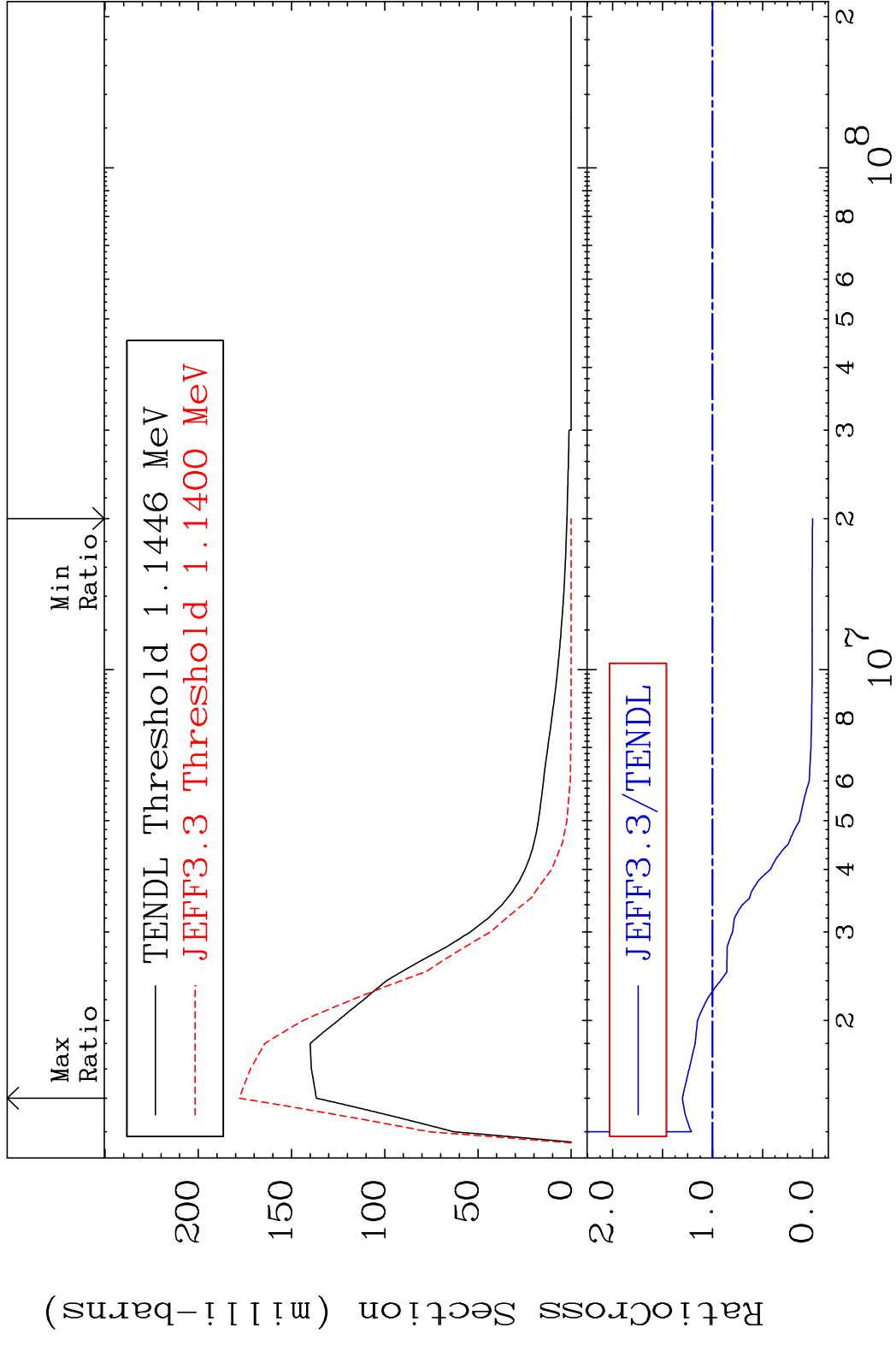


MAT 4849 MT= 51 (n, n') Level 48-Cd-114
 Cross Section -55.87 To 67.06 %

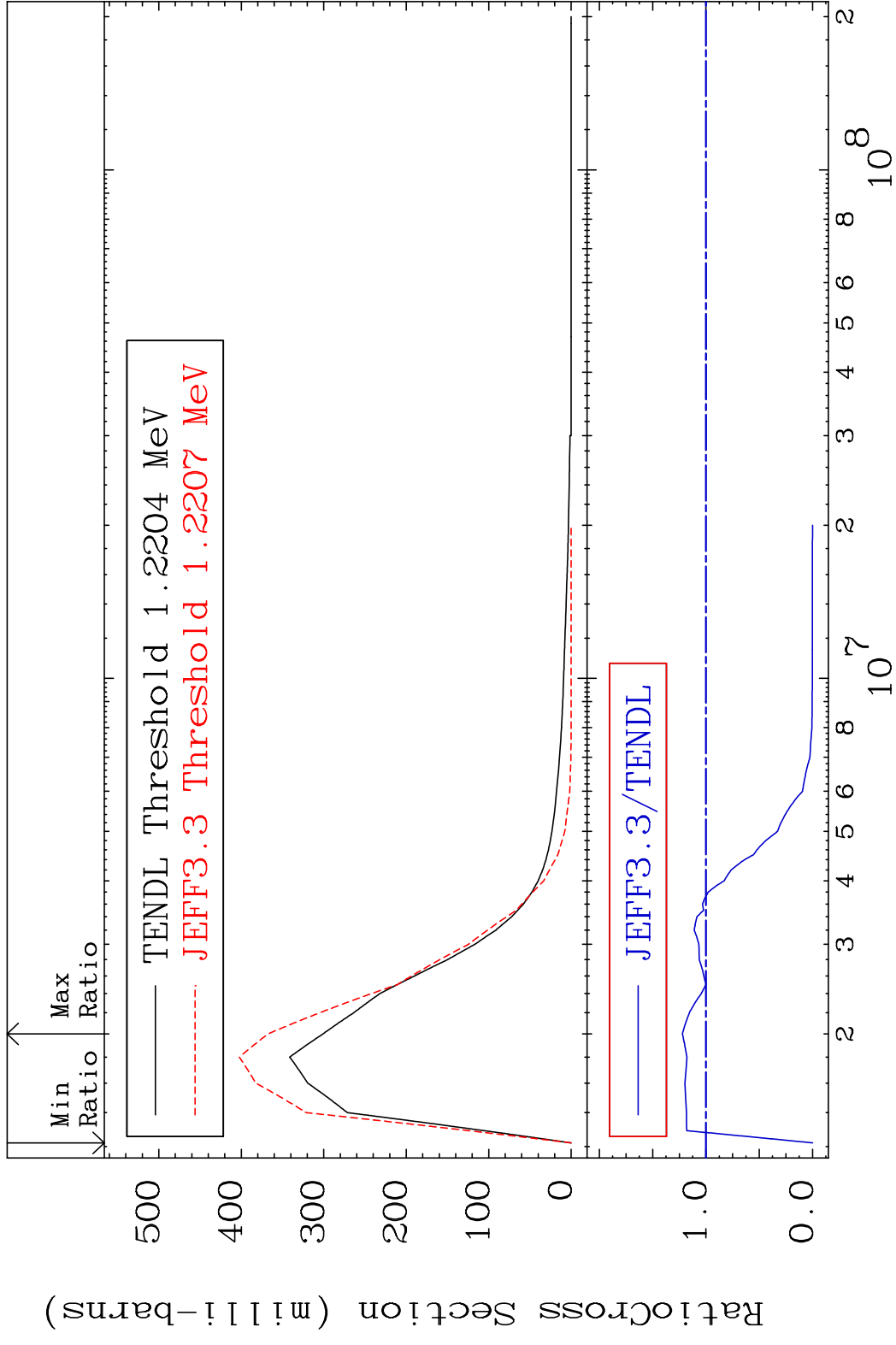


10 Incident Energy (eV) 48-Cd-114

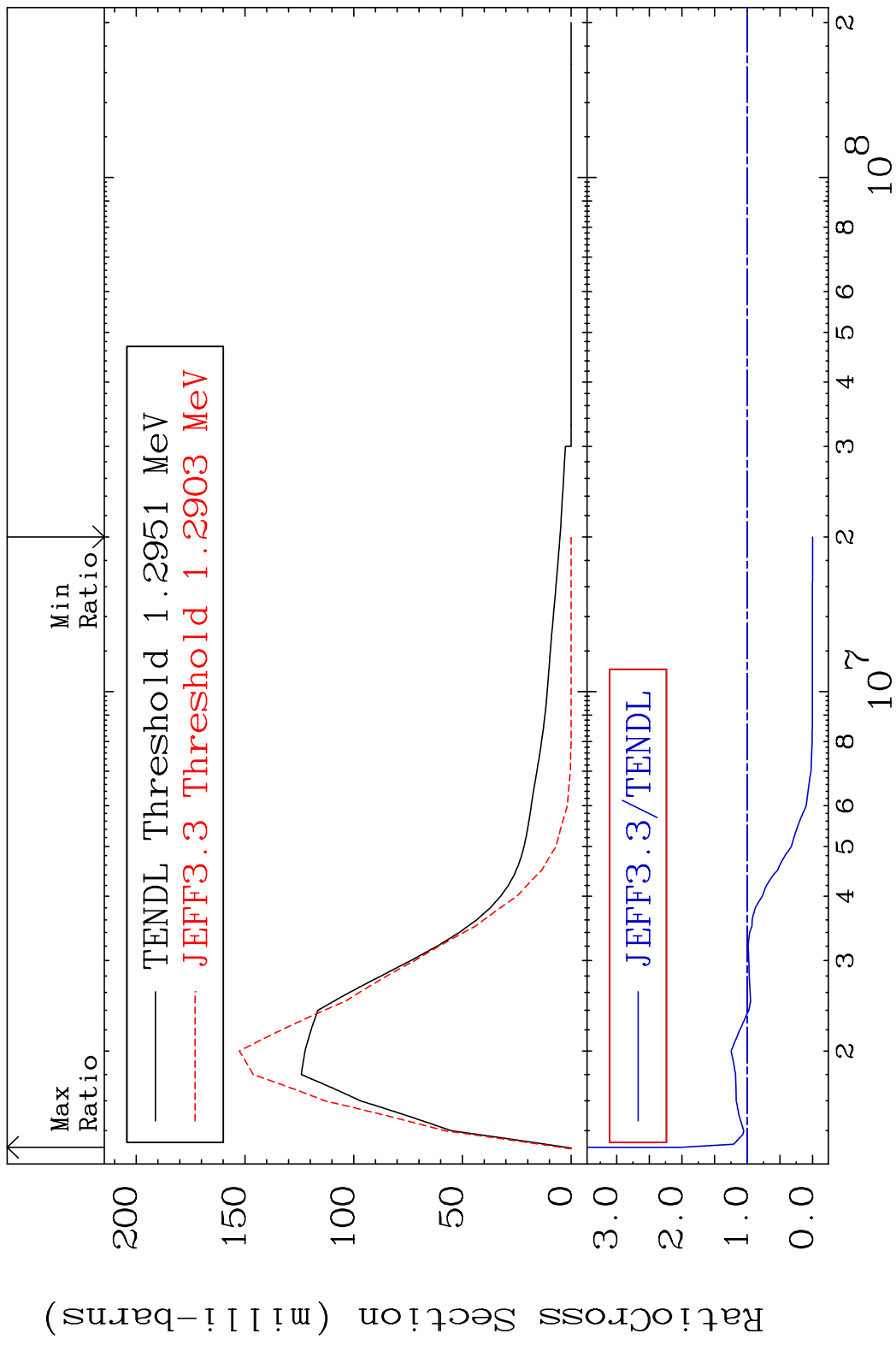
MAT 4849 MT= 52 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 30.21 %



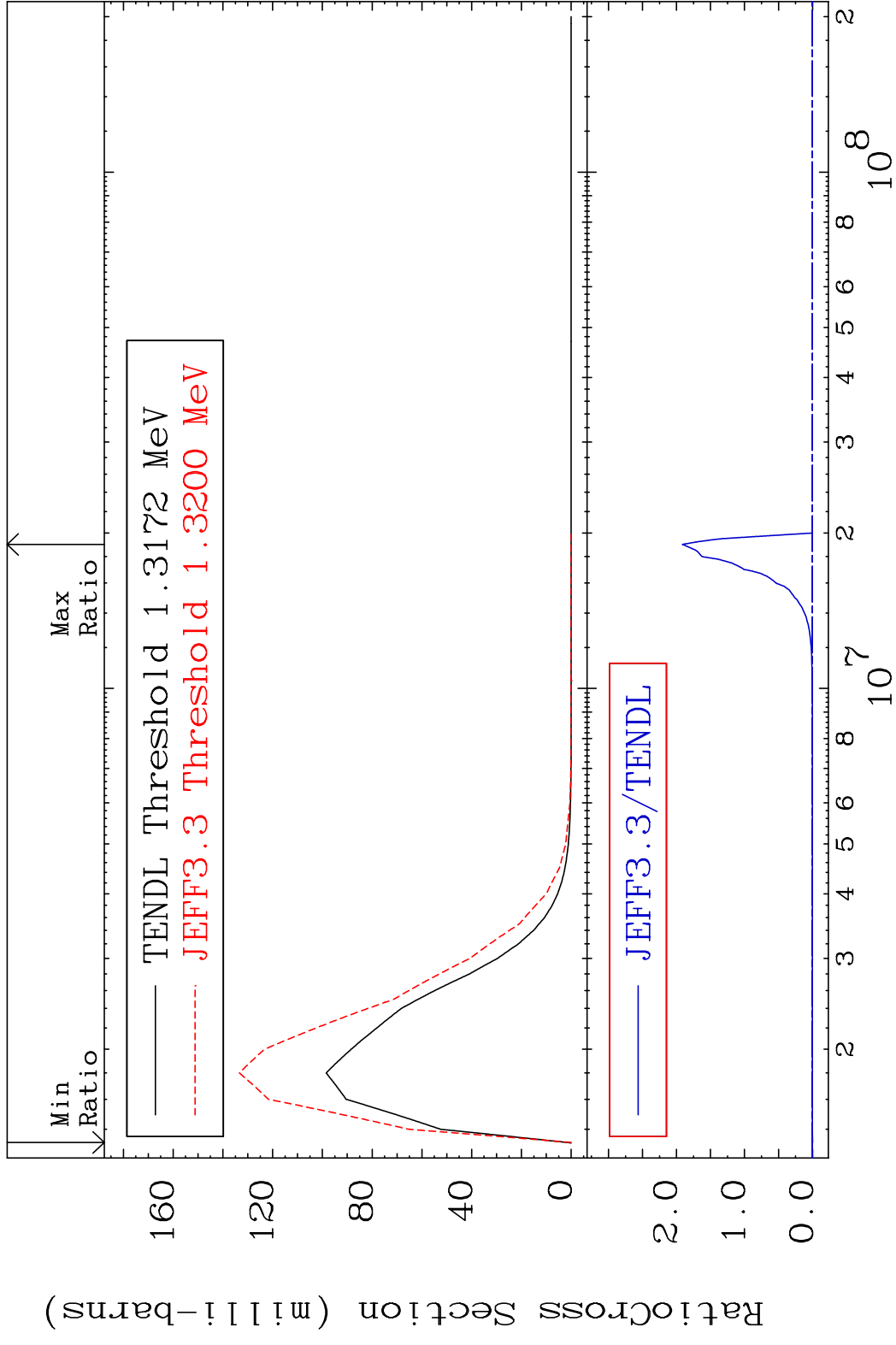
MAT 4849 MT= 53 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 22.15 %



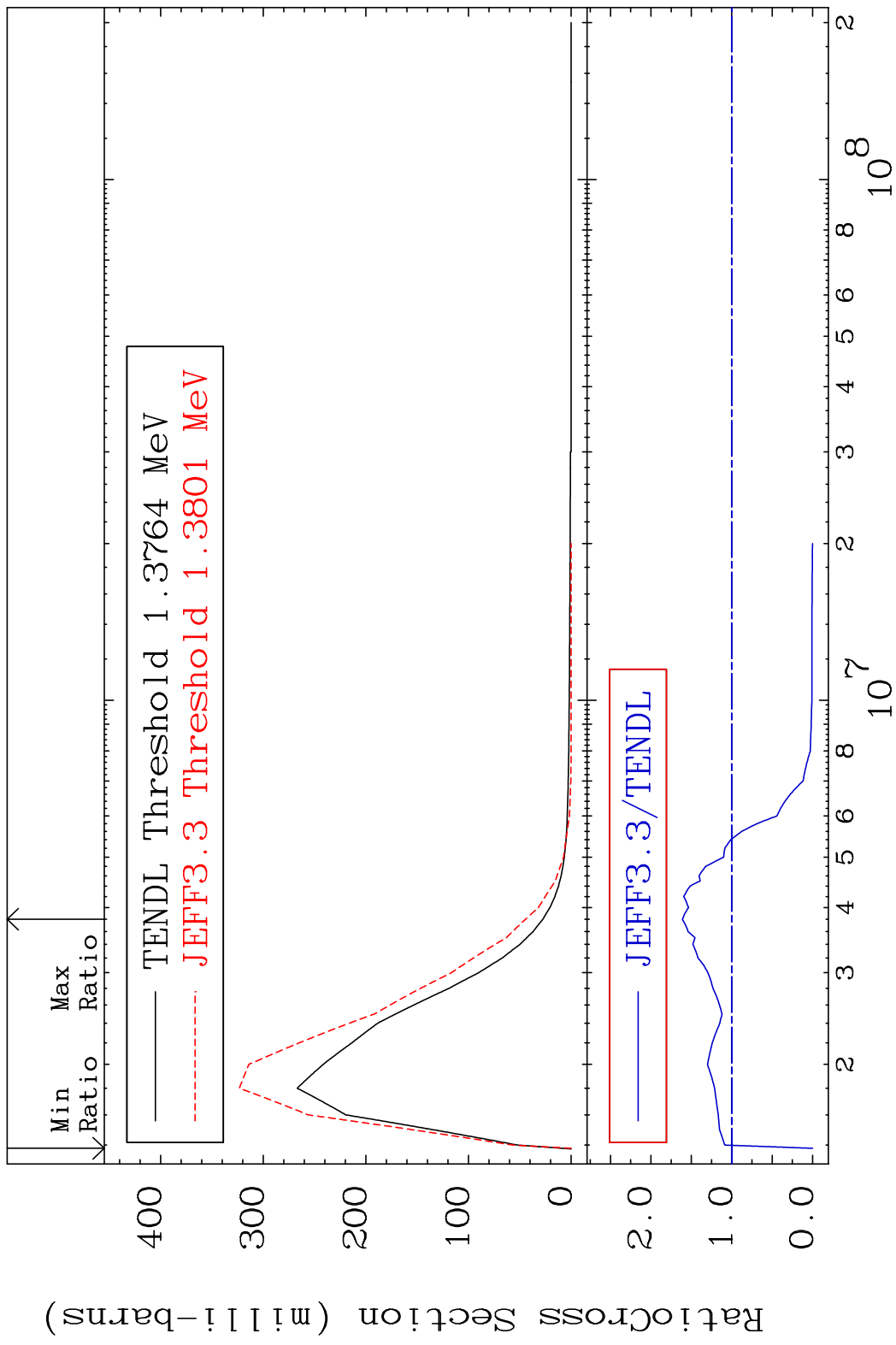
MAT 4849 MT= 54 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 99.33 %



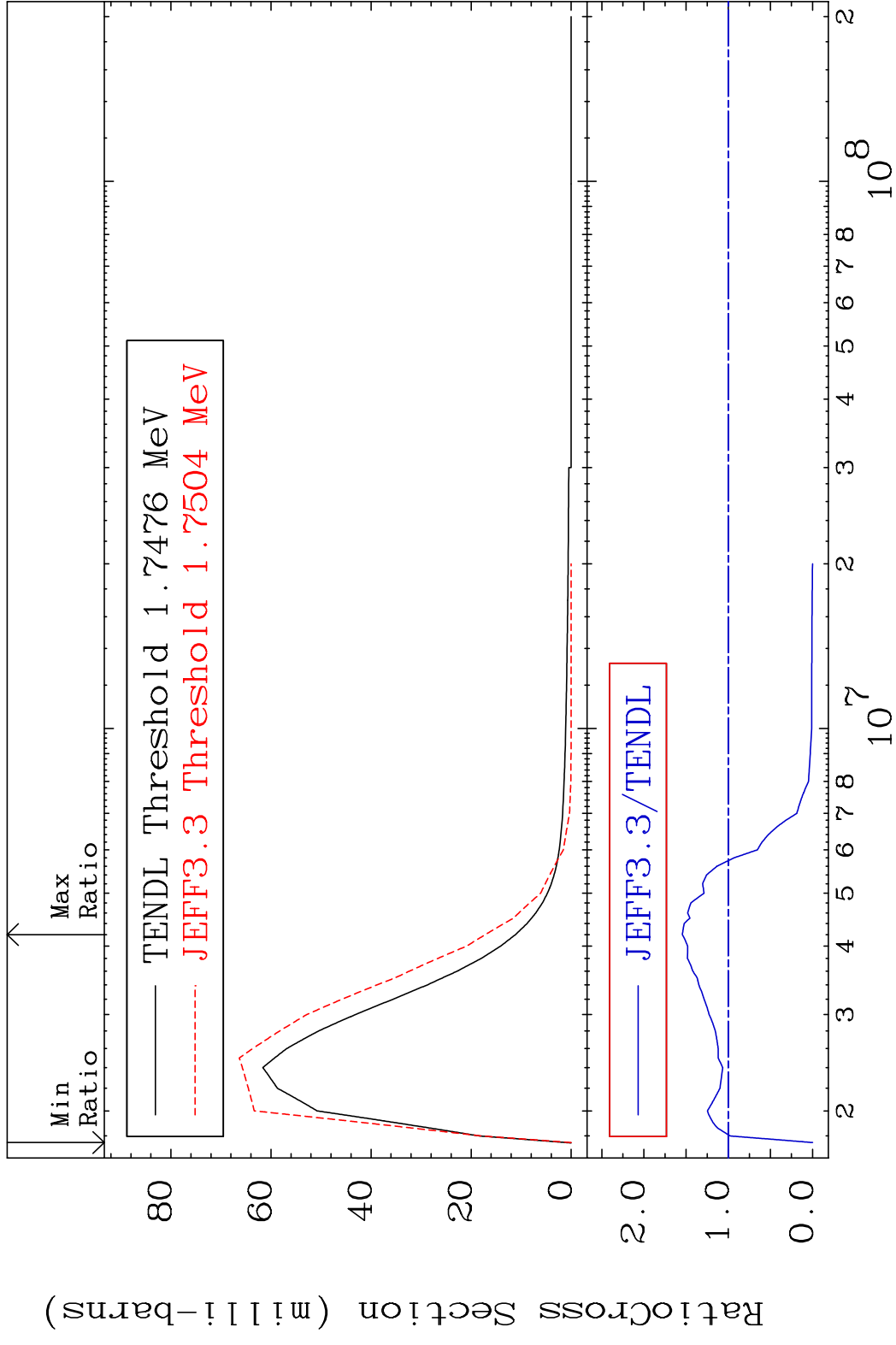
MAT 4849 MT= 55 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 9999. %



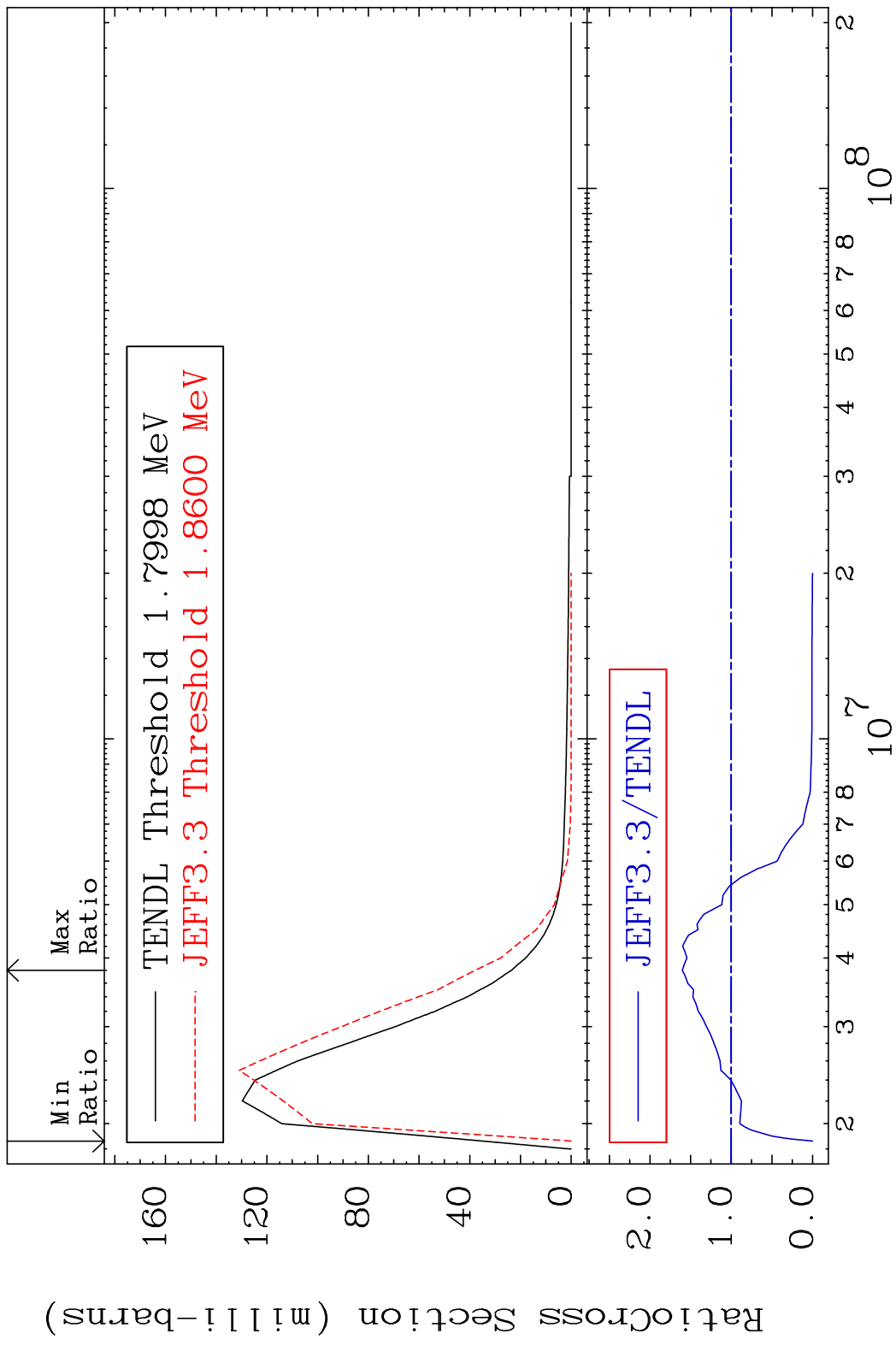
MAT 4849 MT= 56 (n,n') Level 48-Cd-114
 Cross Section -100.0 To 61.10 %



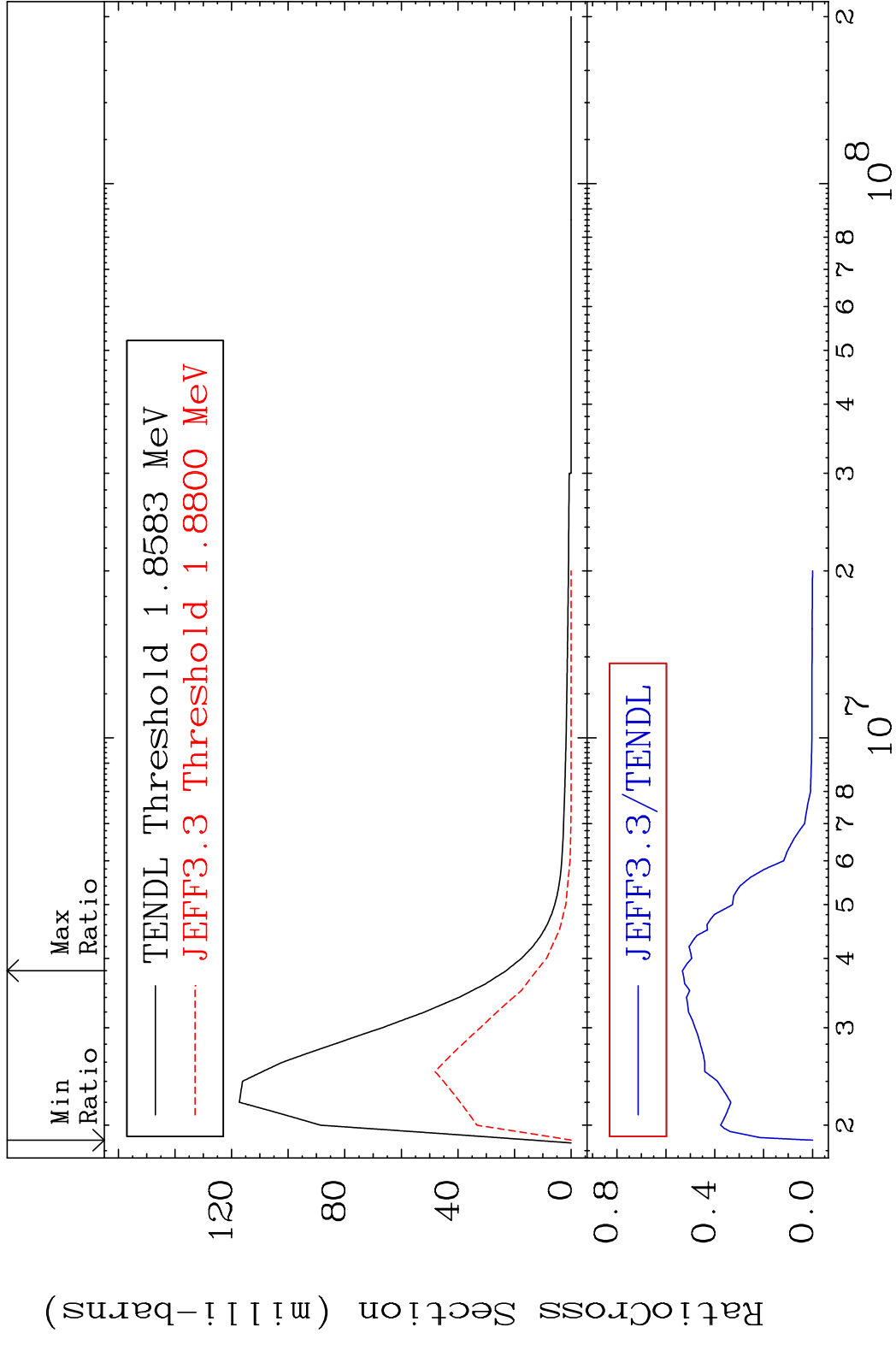
MAT 4849 MT= 57 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 54.45 %



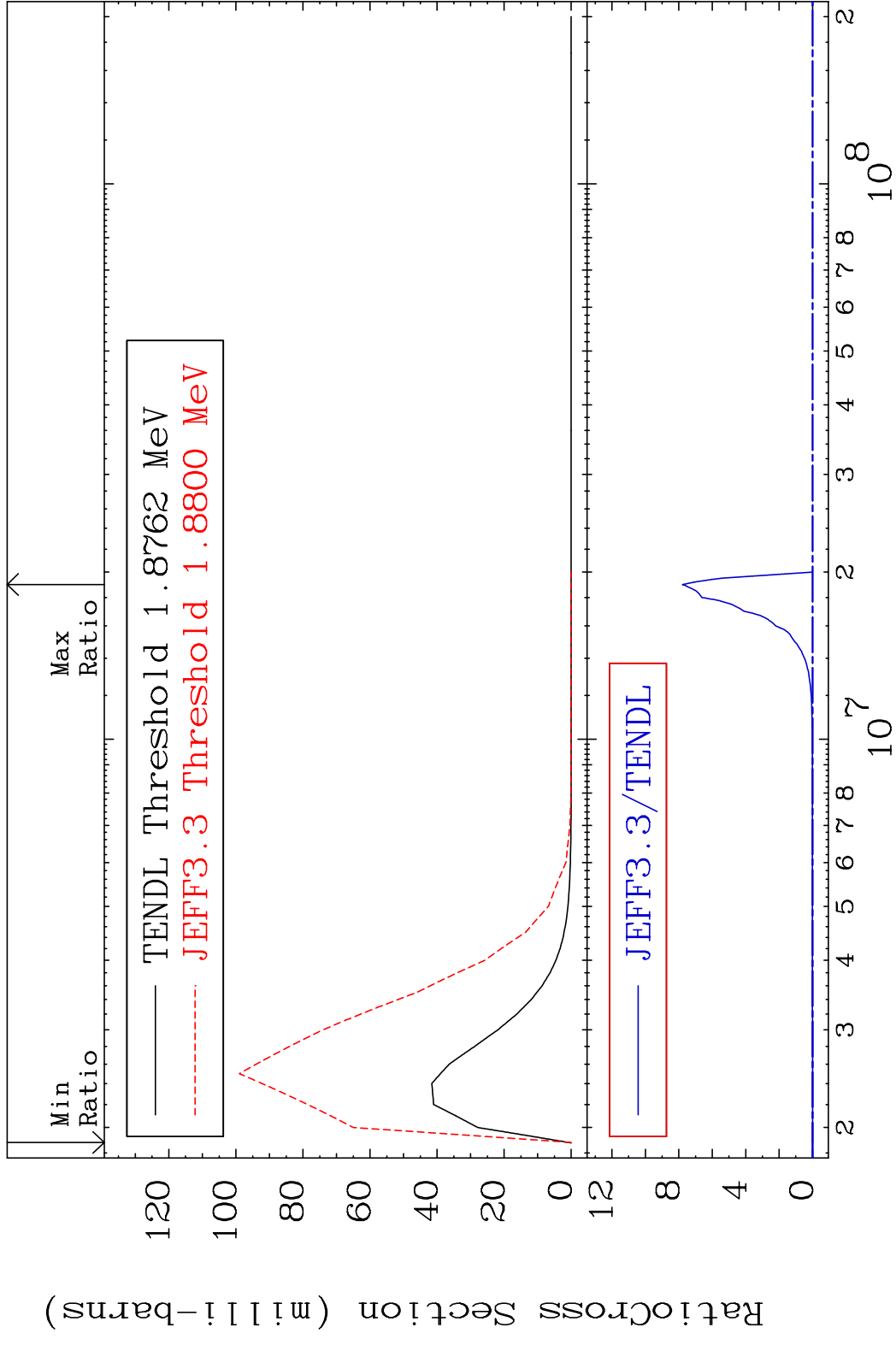
MAT 4849 MT= 58 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 60.19 %



MAT 4849 MT= 59 (n, n') Level 48-Cd-114
 Cross Section -100.0 To -46.74%



MAT 4849 MT= 60 (n, n') Level 48-Cd-114
 Cross Section -100.0 To 9999. %

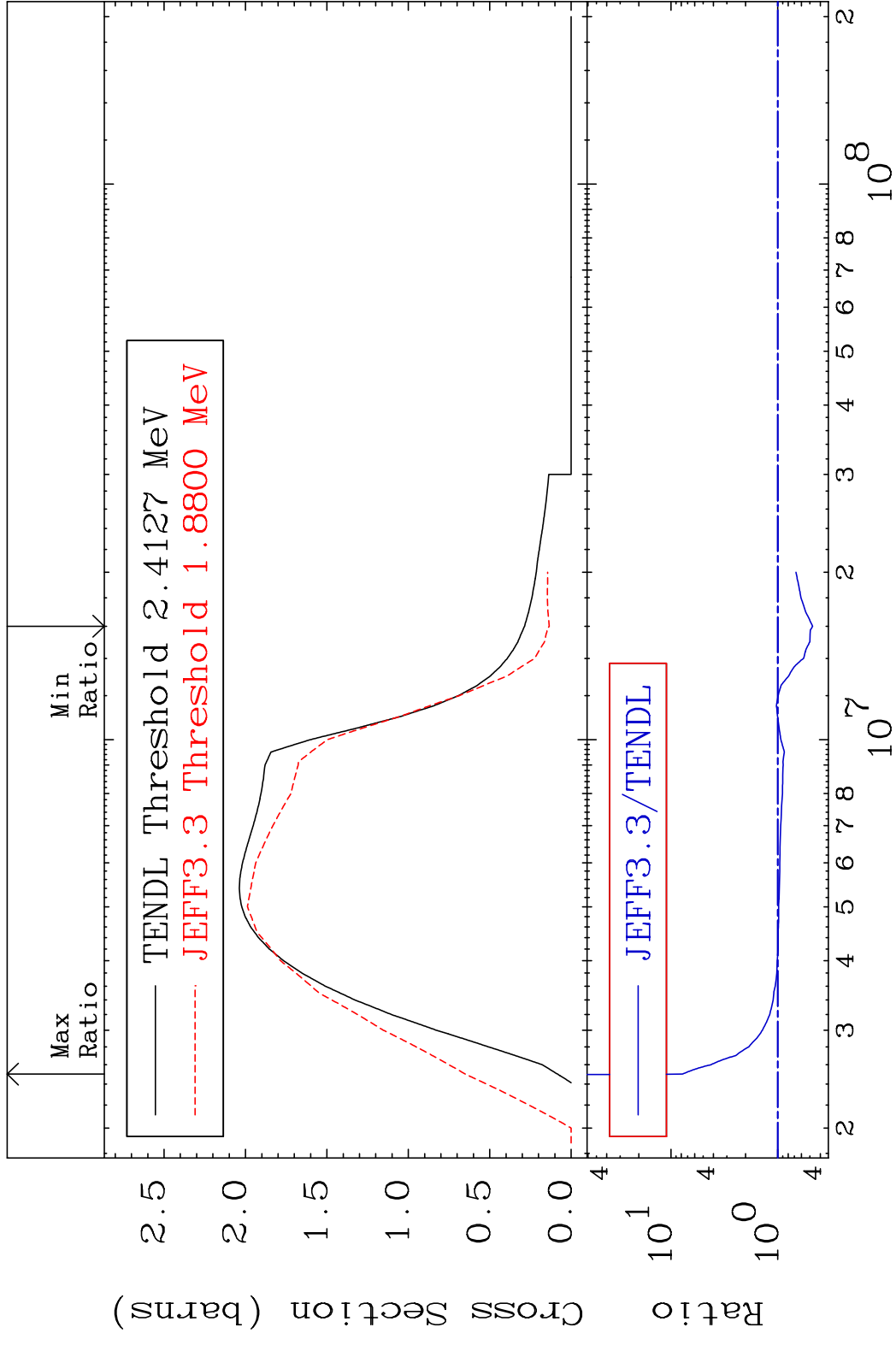


MAT 4849

(n, n') Continuum

48-Cd-114

Cross Section -52.77 To 683.1 %



20

Incident Energy (eV)

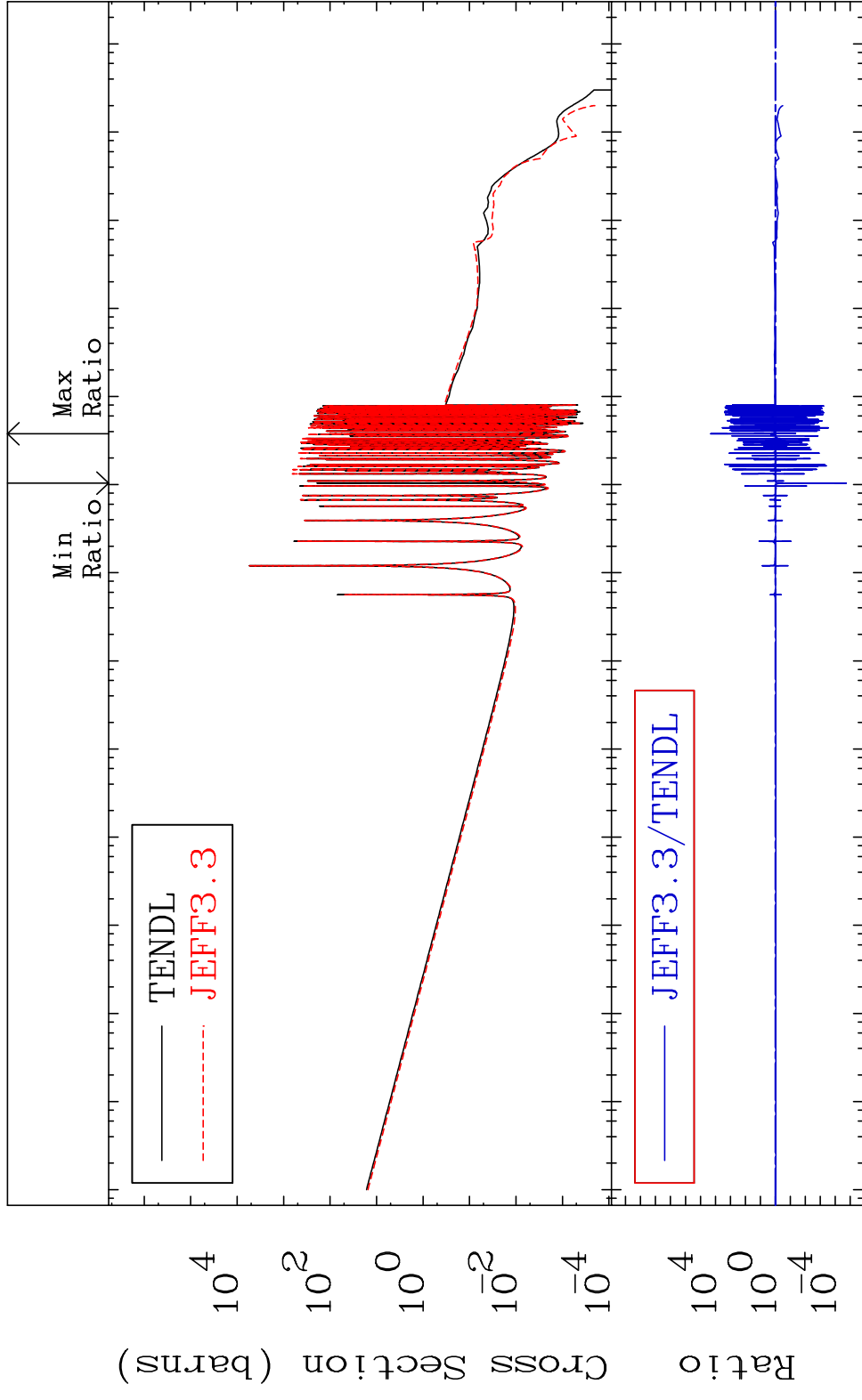
48-Cd-114

MAT 4849

48-Cd-114

(n, γ)

Cross Section -100.0 To 9999. %

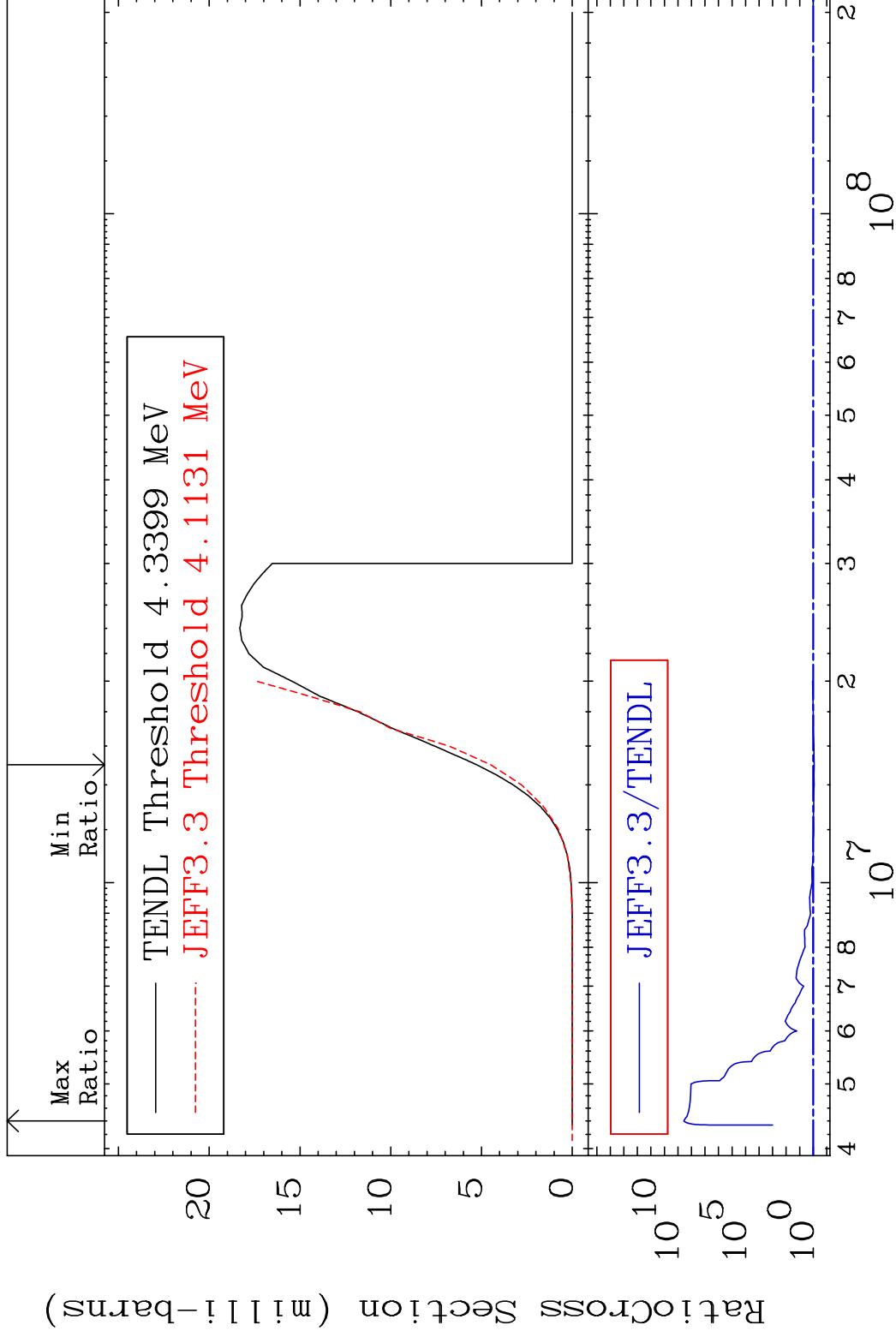


MAT 4849

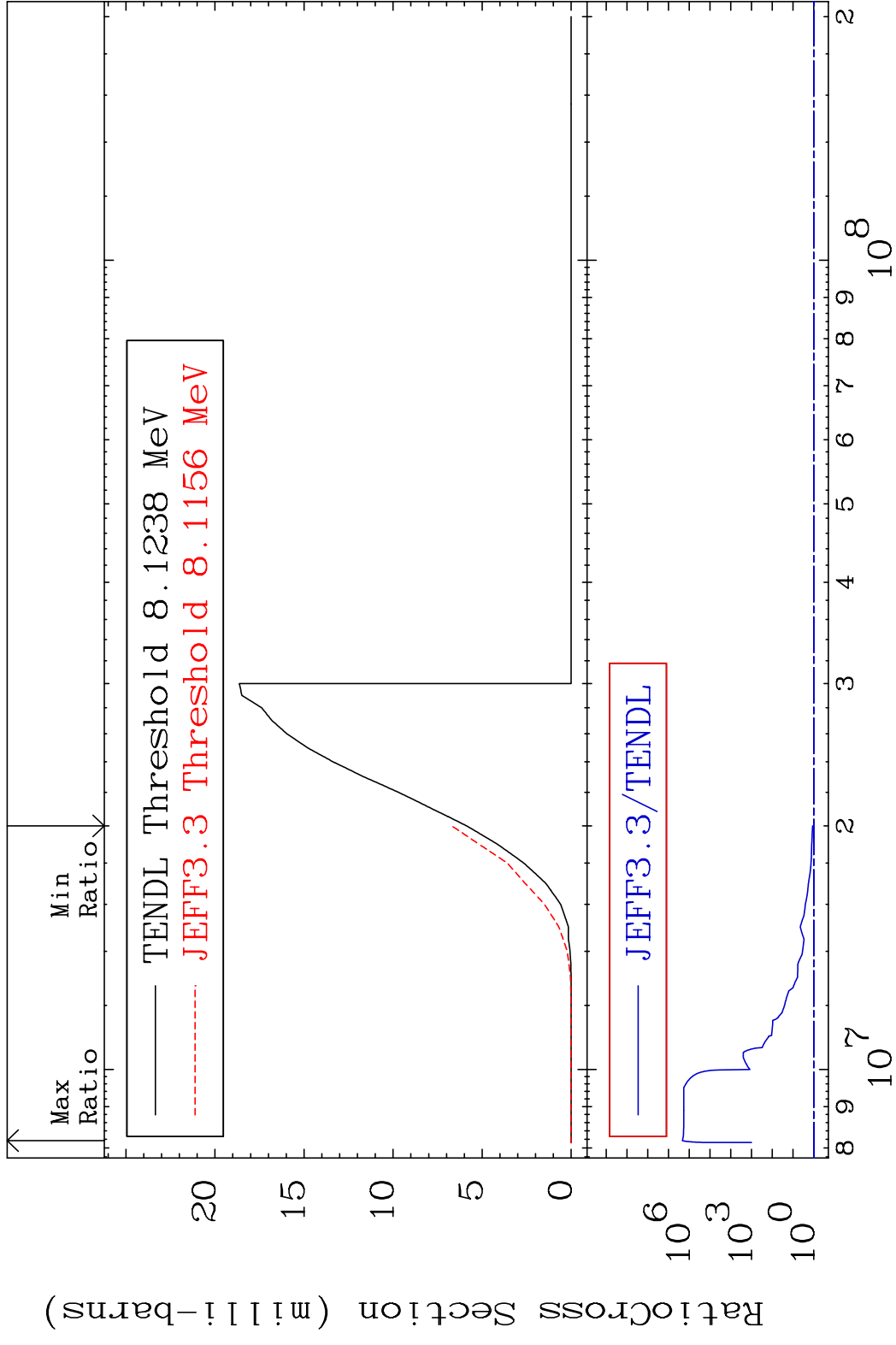
(n, p)

48-Cd-114

Cross Section -14.51 To 9999. %



MAT 4849 (n,d) 48-Cd-114
 Cross Section 14.24 To 9999. %

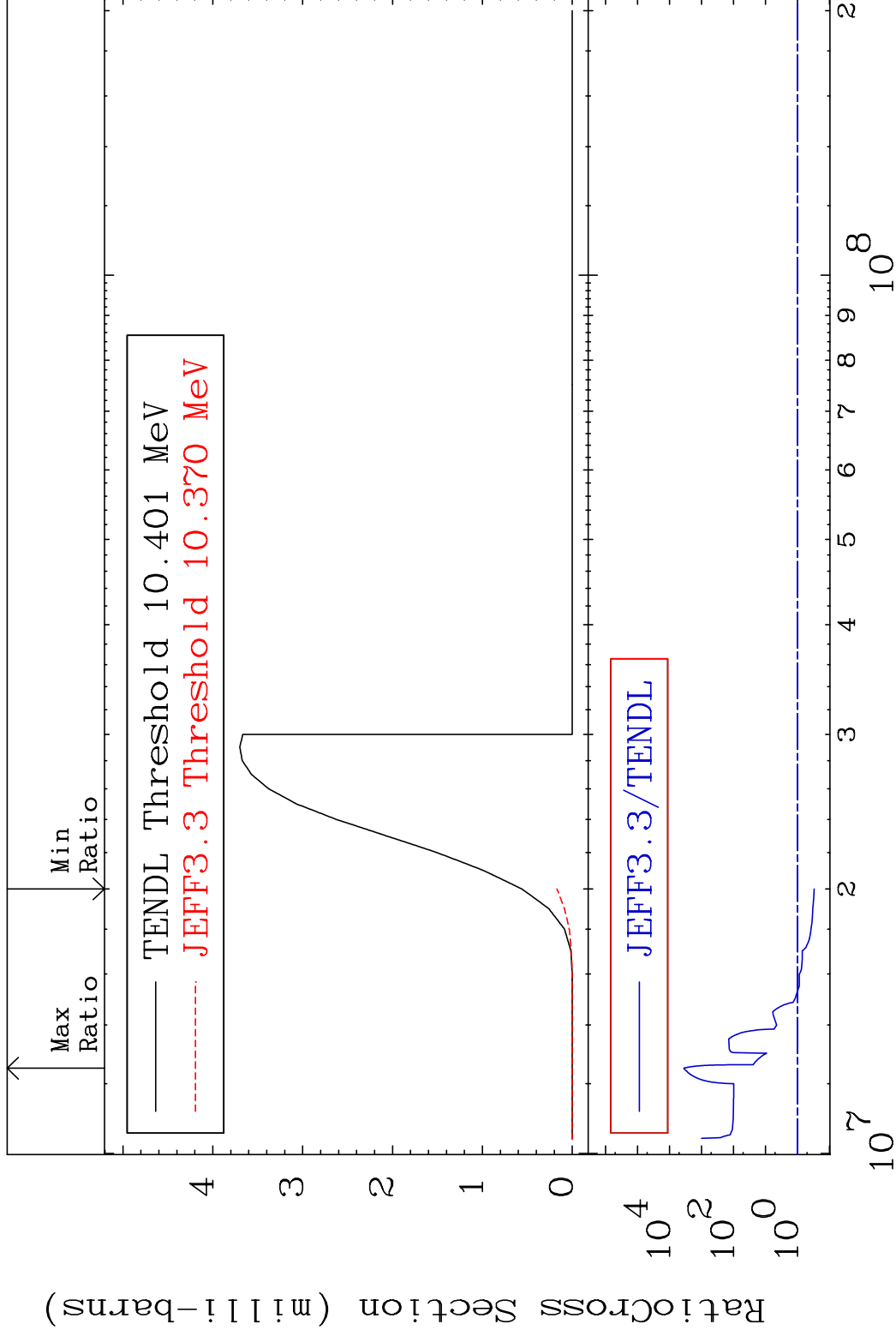


MAT 4849

(n, t)

48-Cd-114

Cross Section -69.71 To 9999. %



24

Incident Energy (eV)

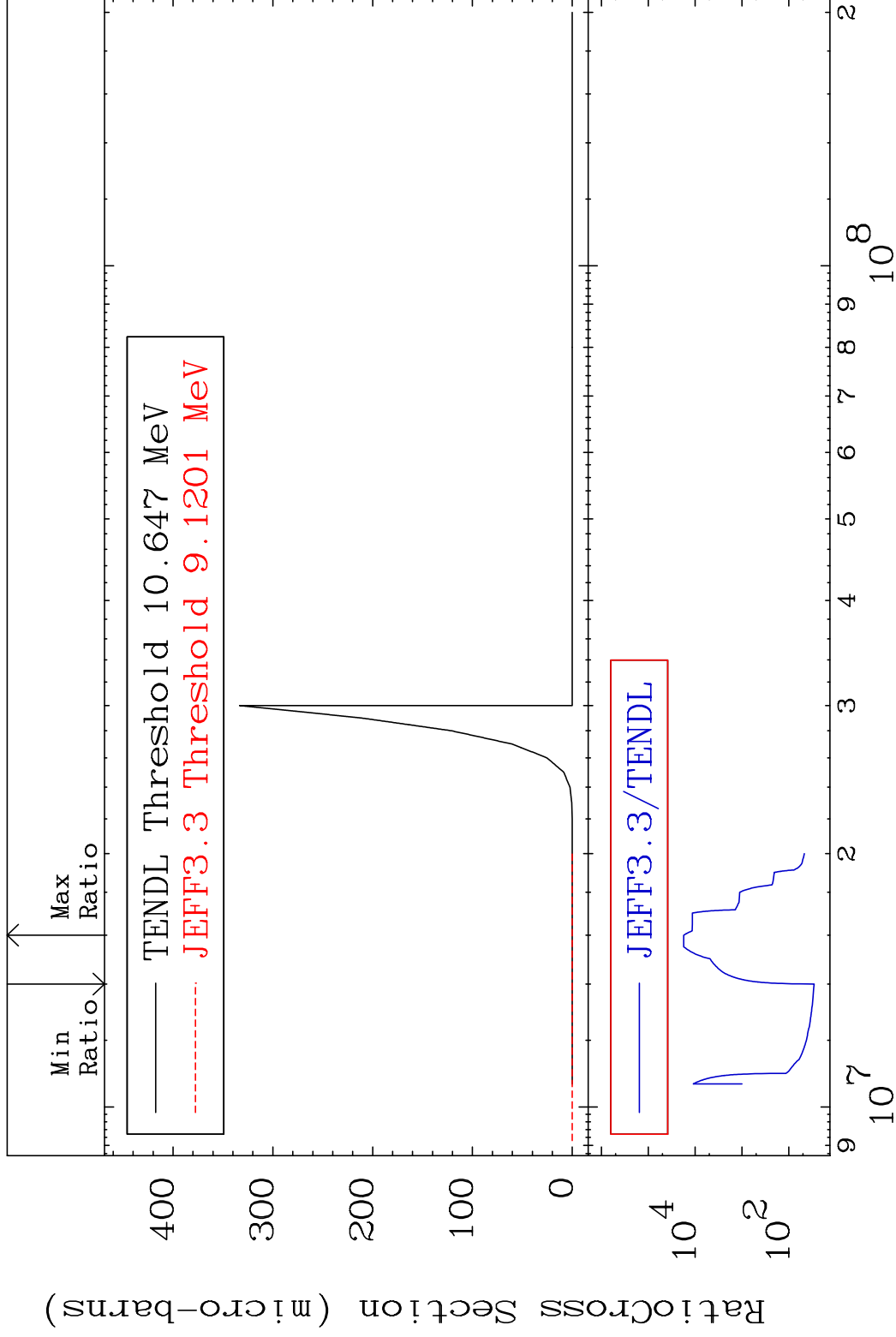
48-Cd-114

MAT 4849

(n, He-3)

48-Cd-114

Cross Section 2792. To 9999. %



25

Incident Energy (eV)

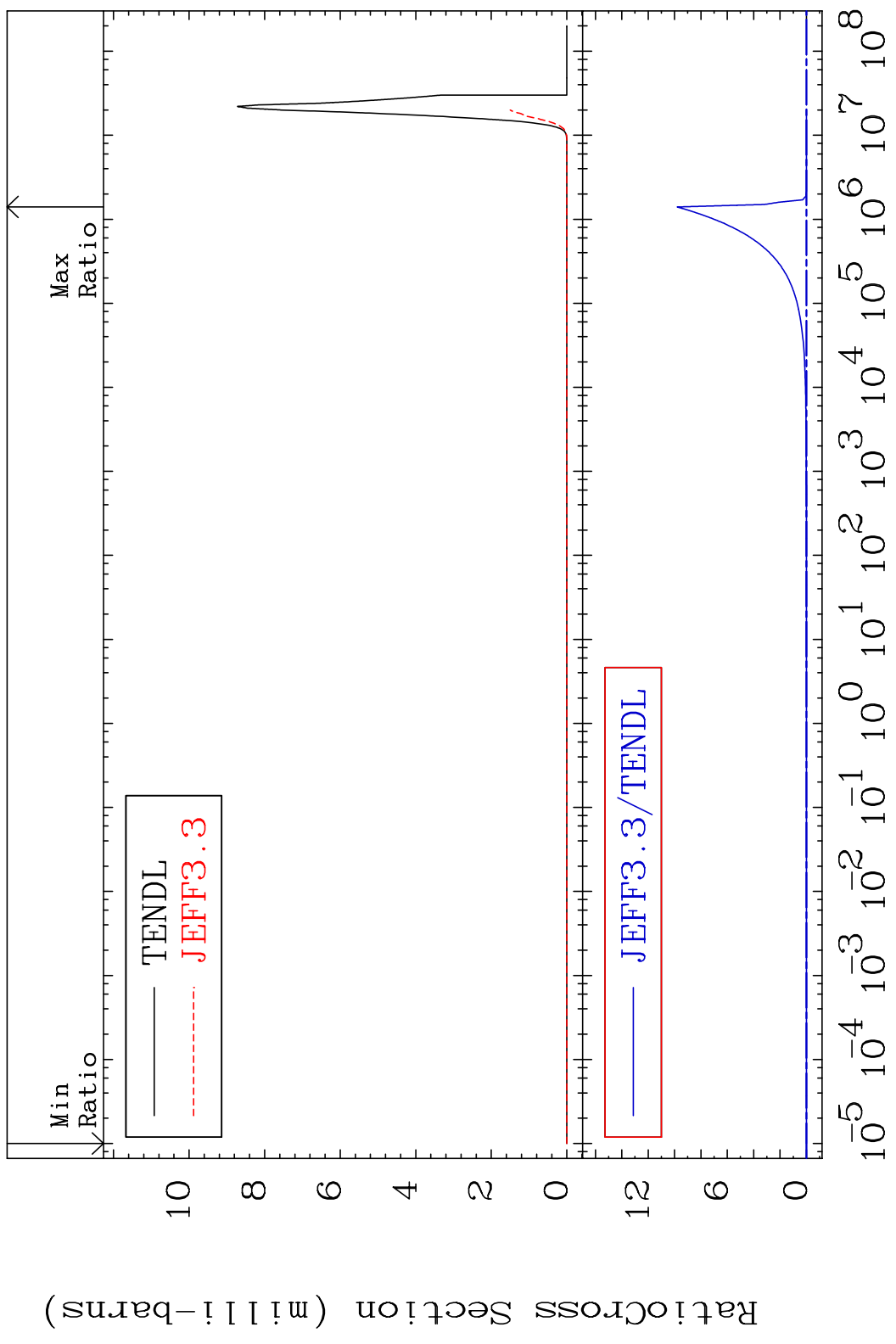
48-Cd-114

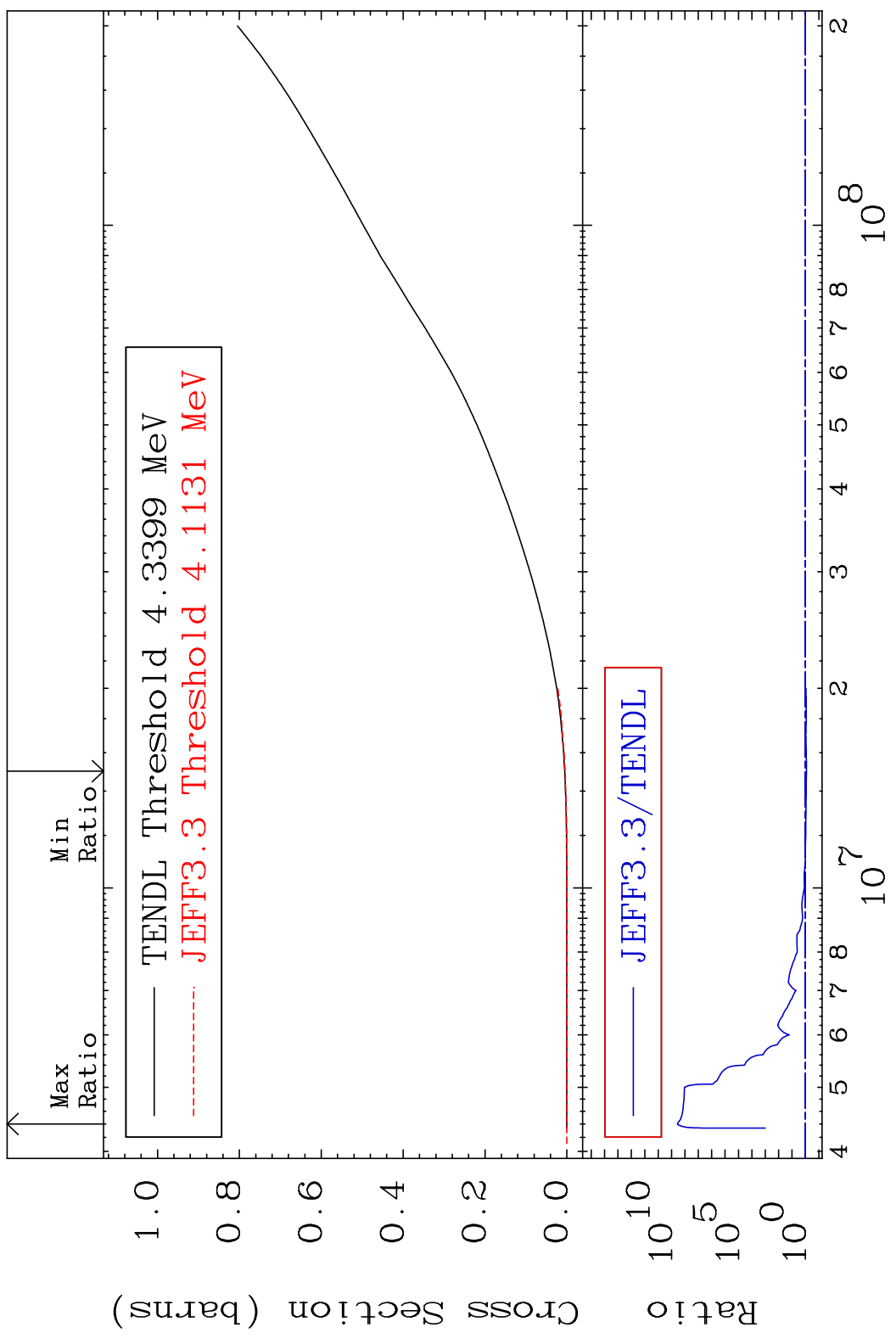
MAT 4849

(n, α)

48-Cd-114

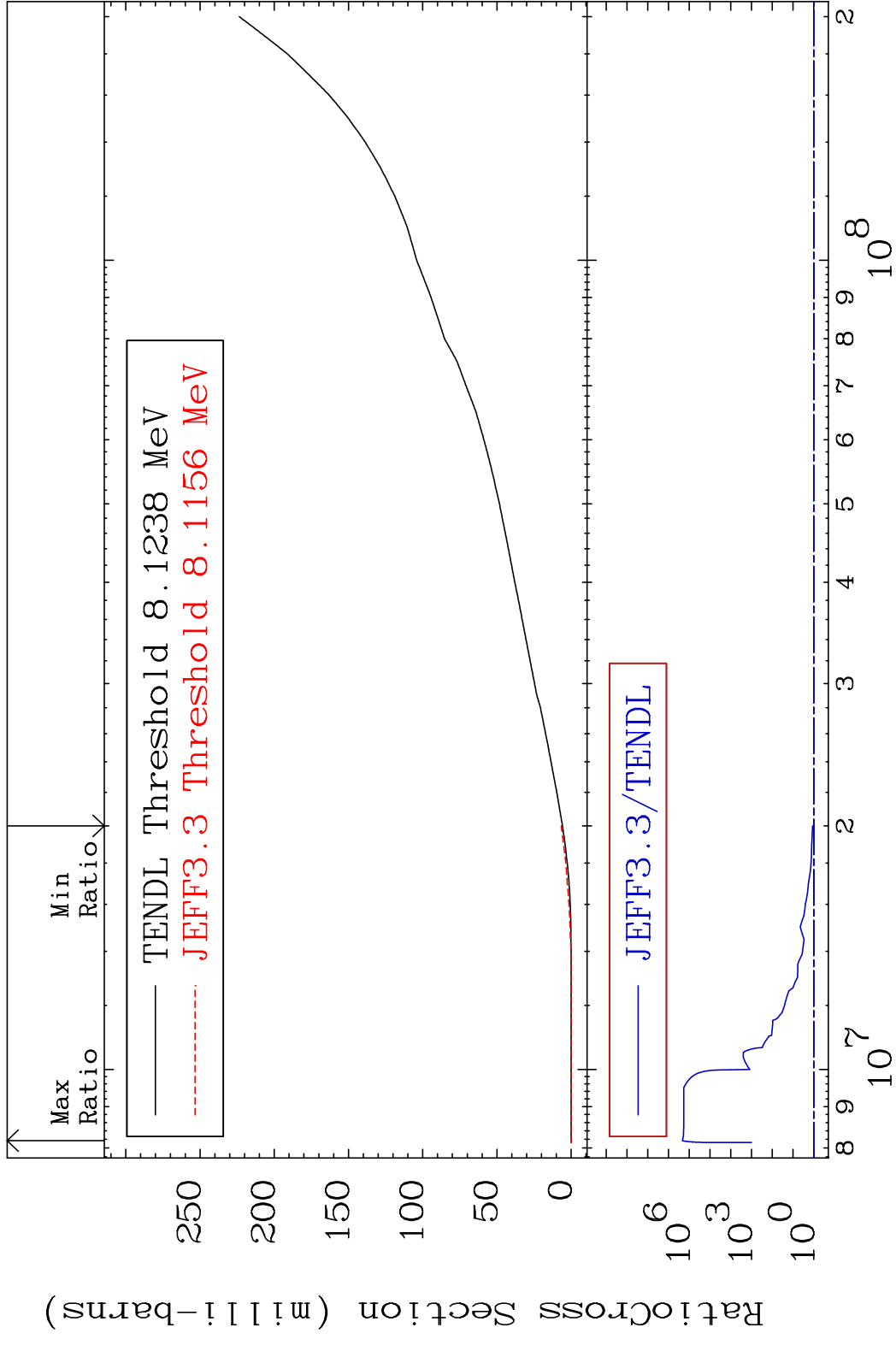
Cross Section -100.0 To 9999. %





MAT 4849

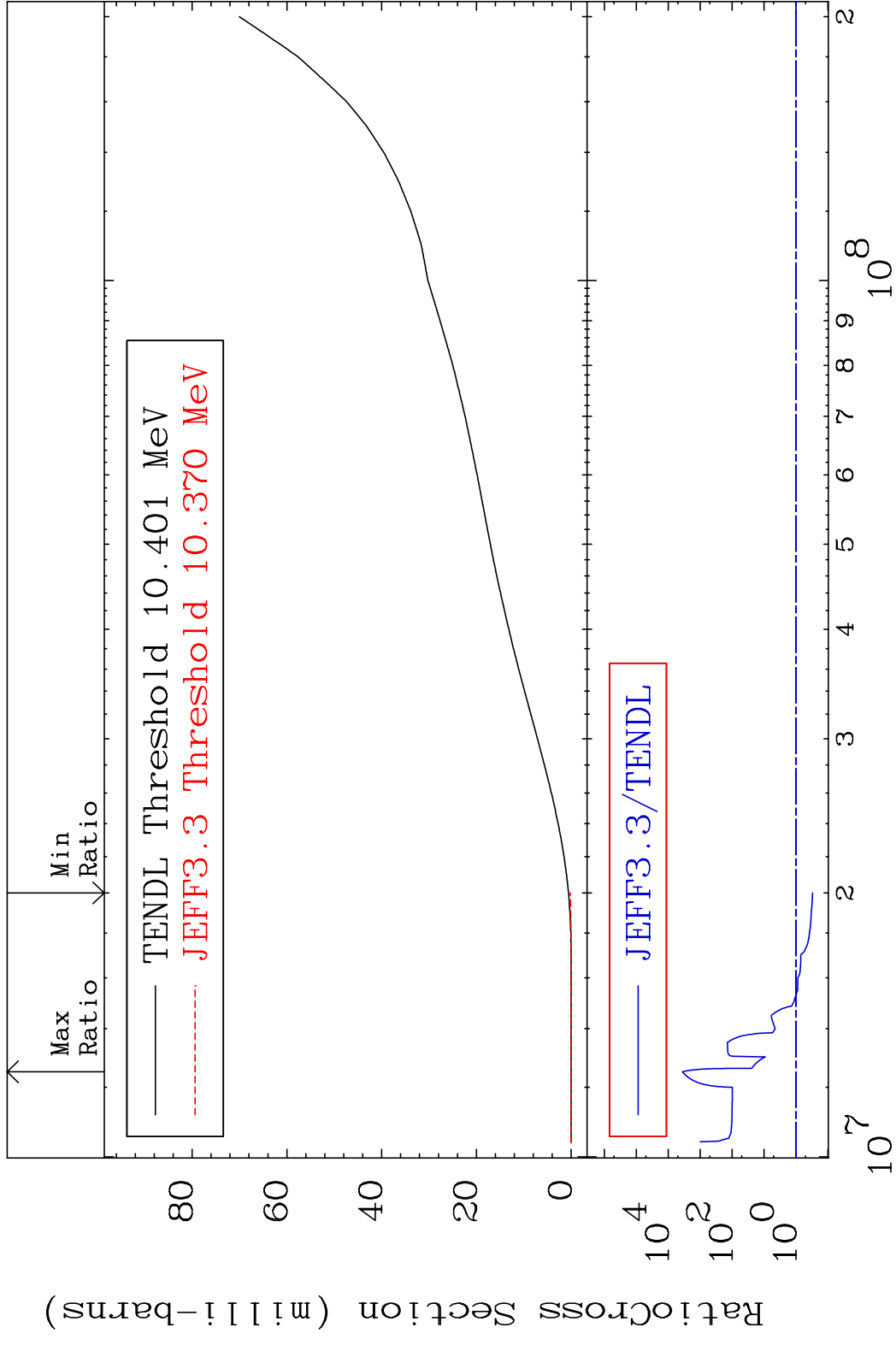
Deuterium Production 48-Cd-114
Cross Section 14.24 To 9999. %



MAT 4849

Tritium Production 48-Cd-114

Cross Section -69.71 To 9999. %



29

Incident Energy (eV)

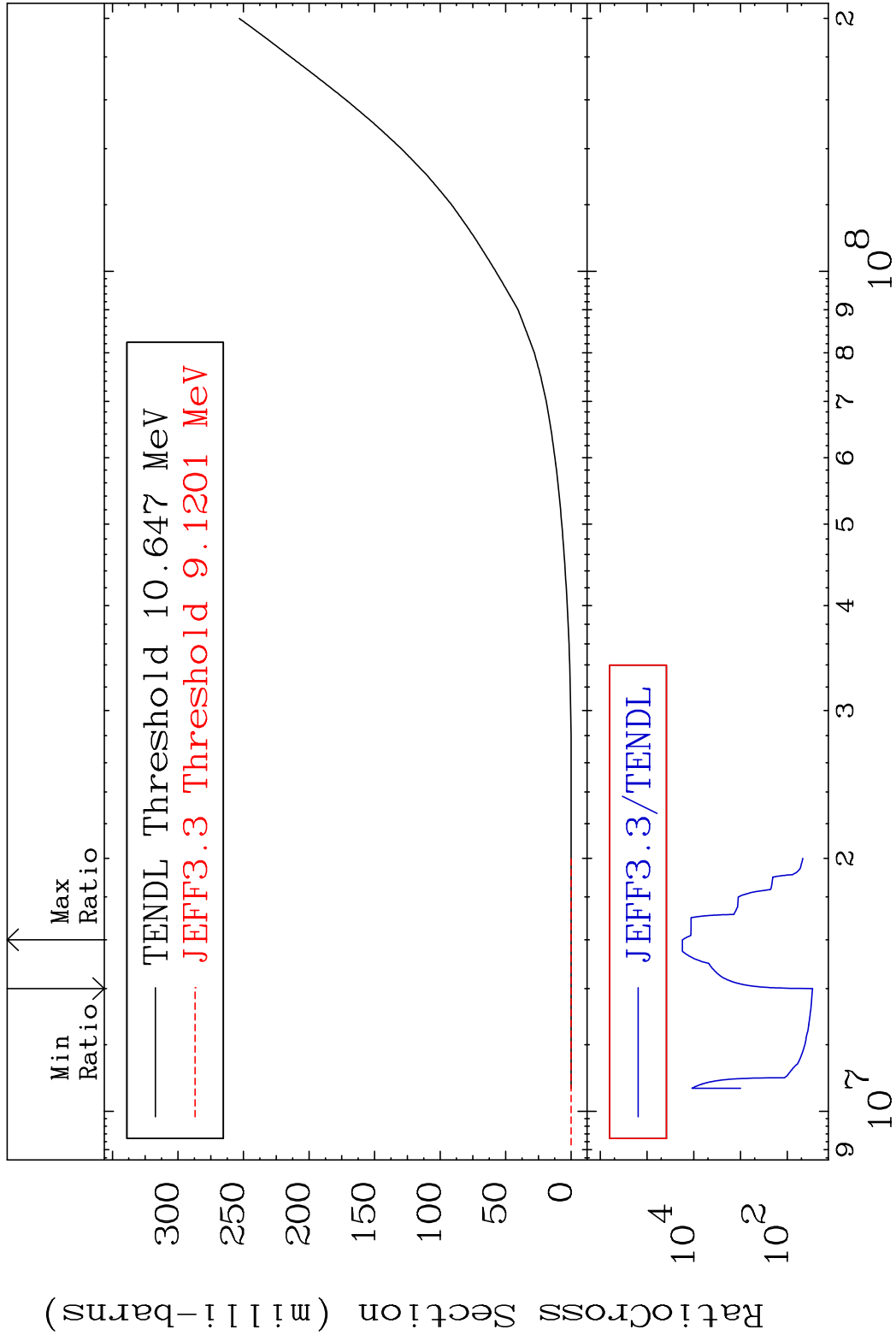
48-Cd-114

MAT 4849

He-3 Production

48-Cd-114

Cross Section 2792. To 9999. %



30

Incident Energy (eV)

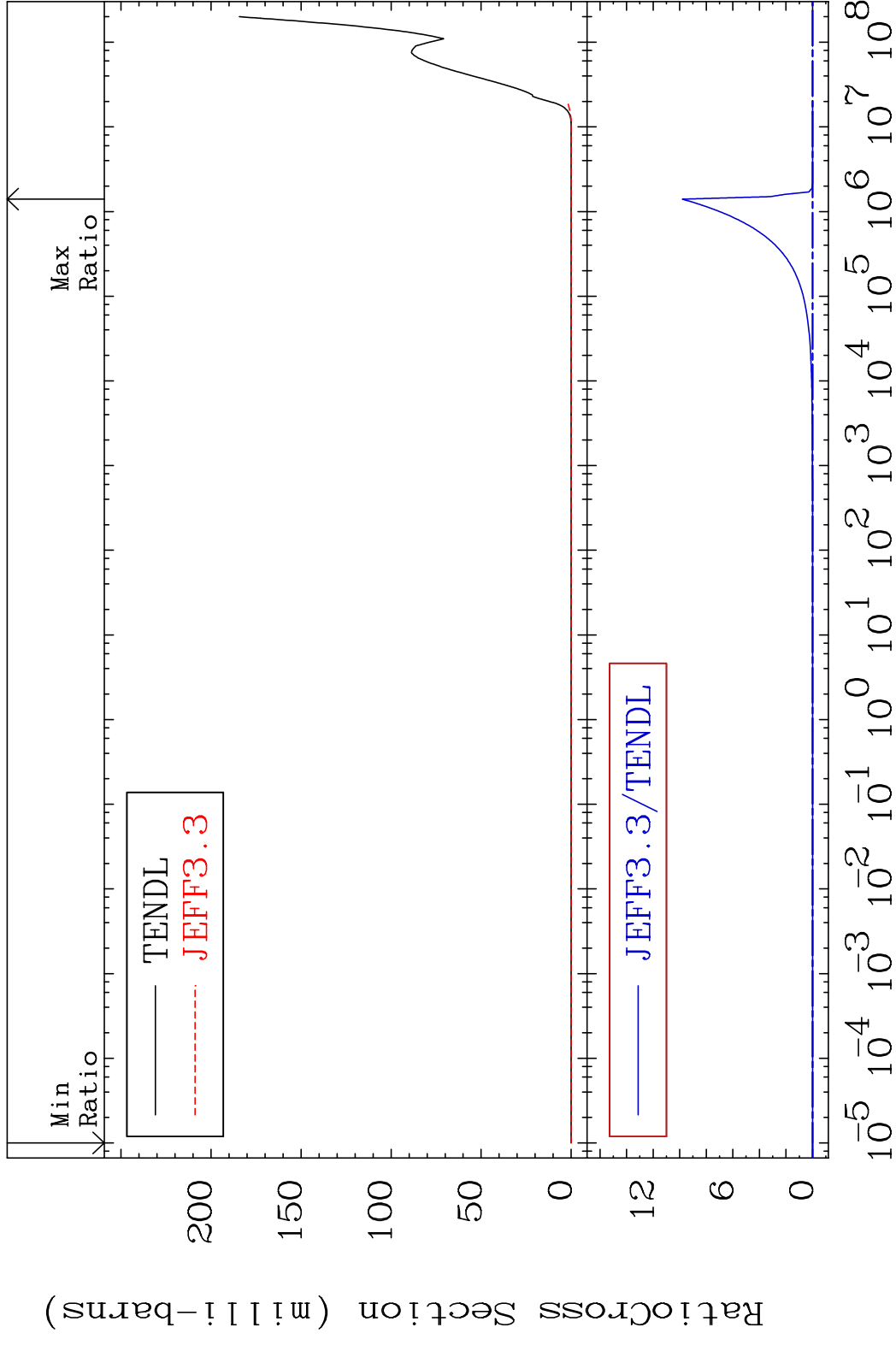
48-Cd-114

MAT 4849

He-4 Production

48-Cd-114

Cross Section -100.0 To 9999. %

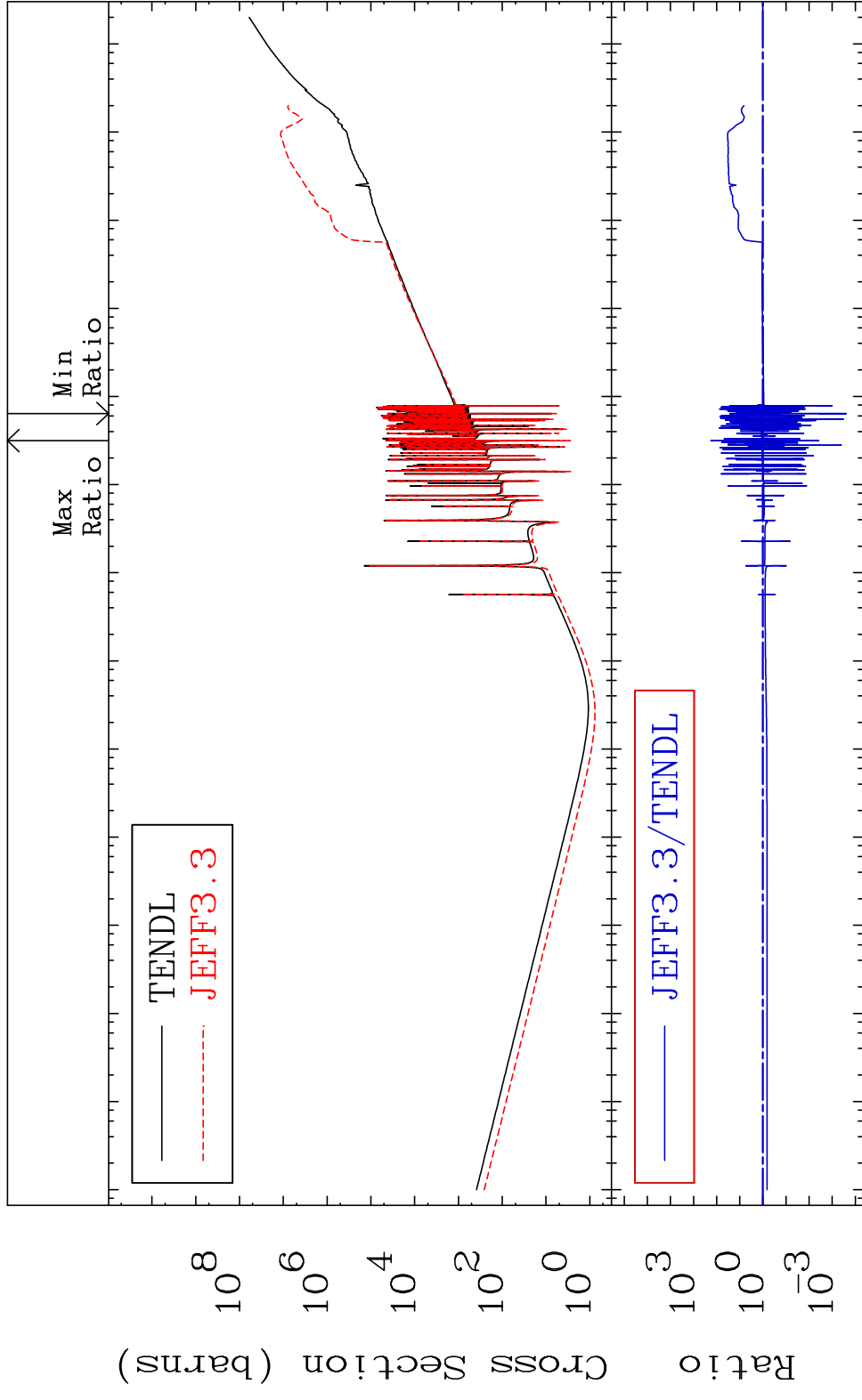


31

Incident Energy (eV)

48-Cd-114

MAT 4849 Kerma total (eV-barns) 48-Cd-114
 Cross Section -99.98 To 9999. %



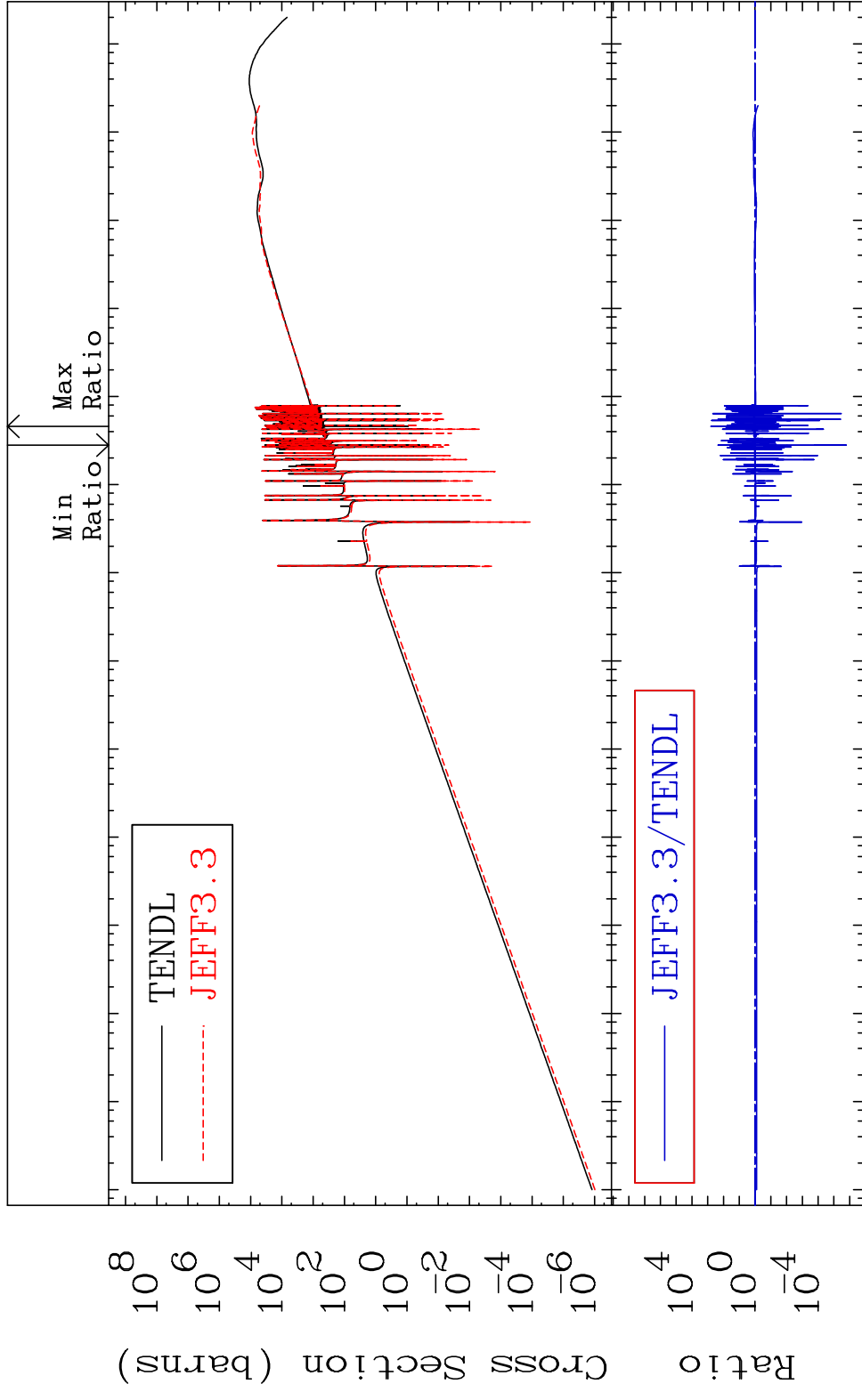
32 Incident Energy (eV) 48-Cd-114

MAT 4849

Kerma elastic

48-Cd-114

Cross Section -100.0 To 9999. %

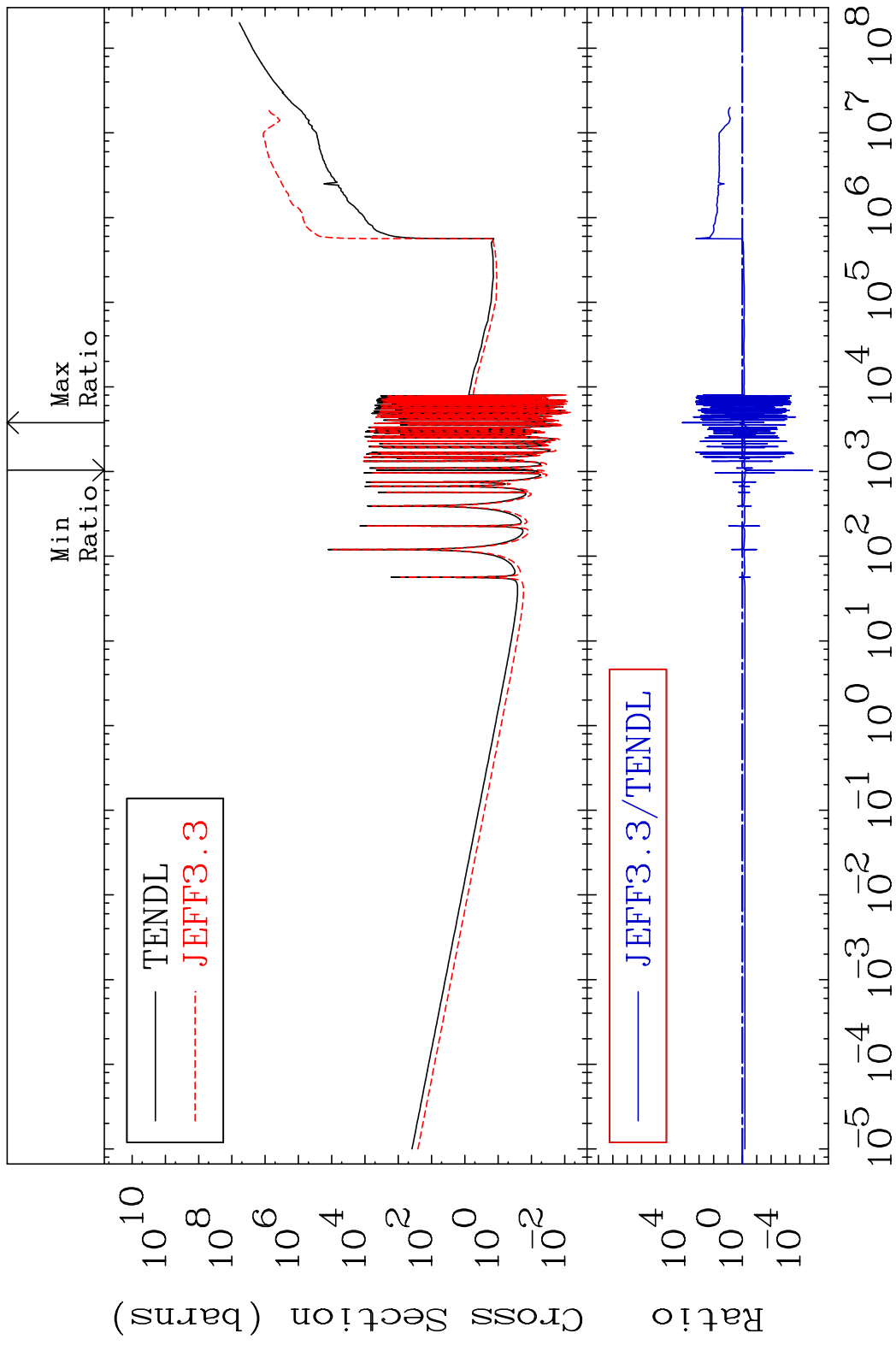


Cross Section (barns)
 10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}

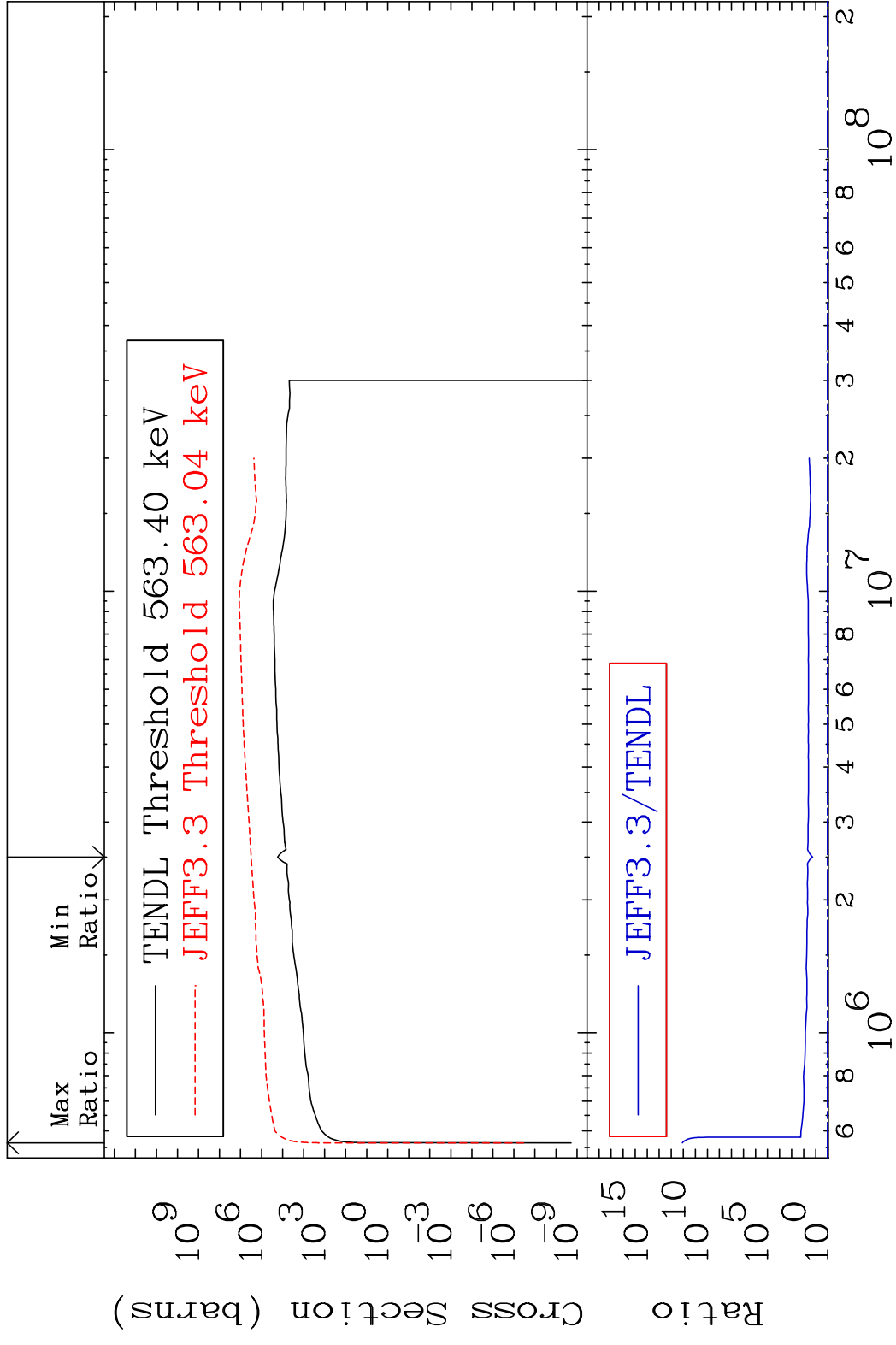
Ratio
 10^4
 10^0
 10^{-4}
 10^{-8}

Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

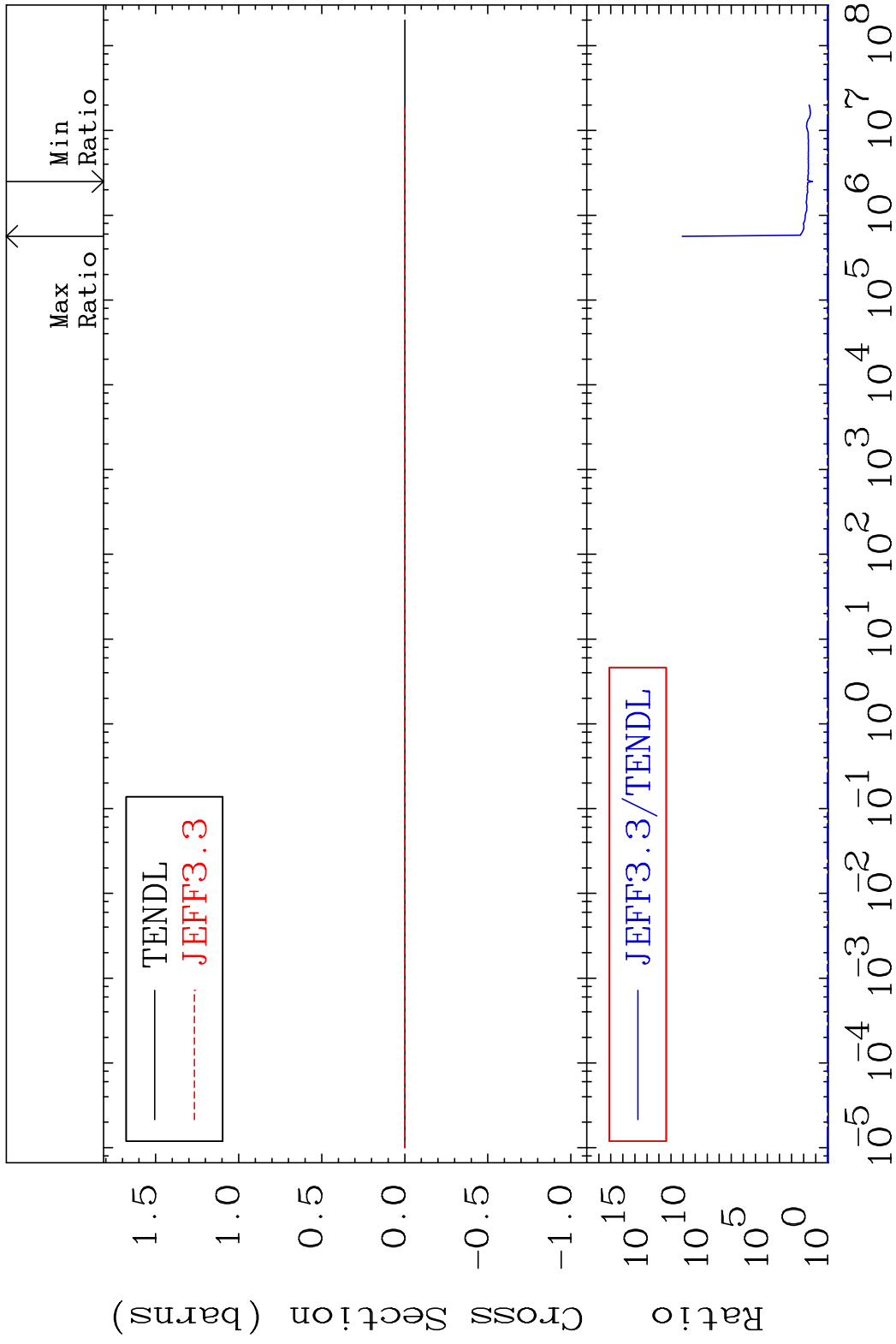
MAT 4849 Kerma non-elastic (all but mt2) 48-Cd-114
 Cross Section -100.0 To 9999. %

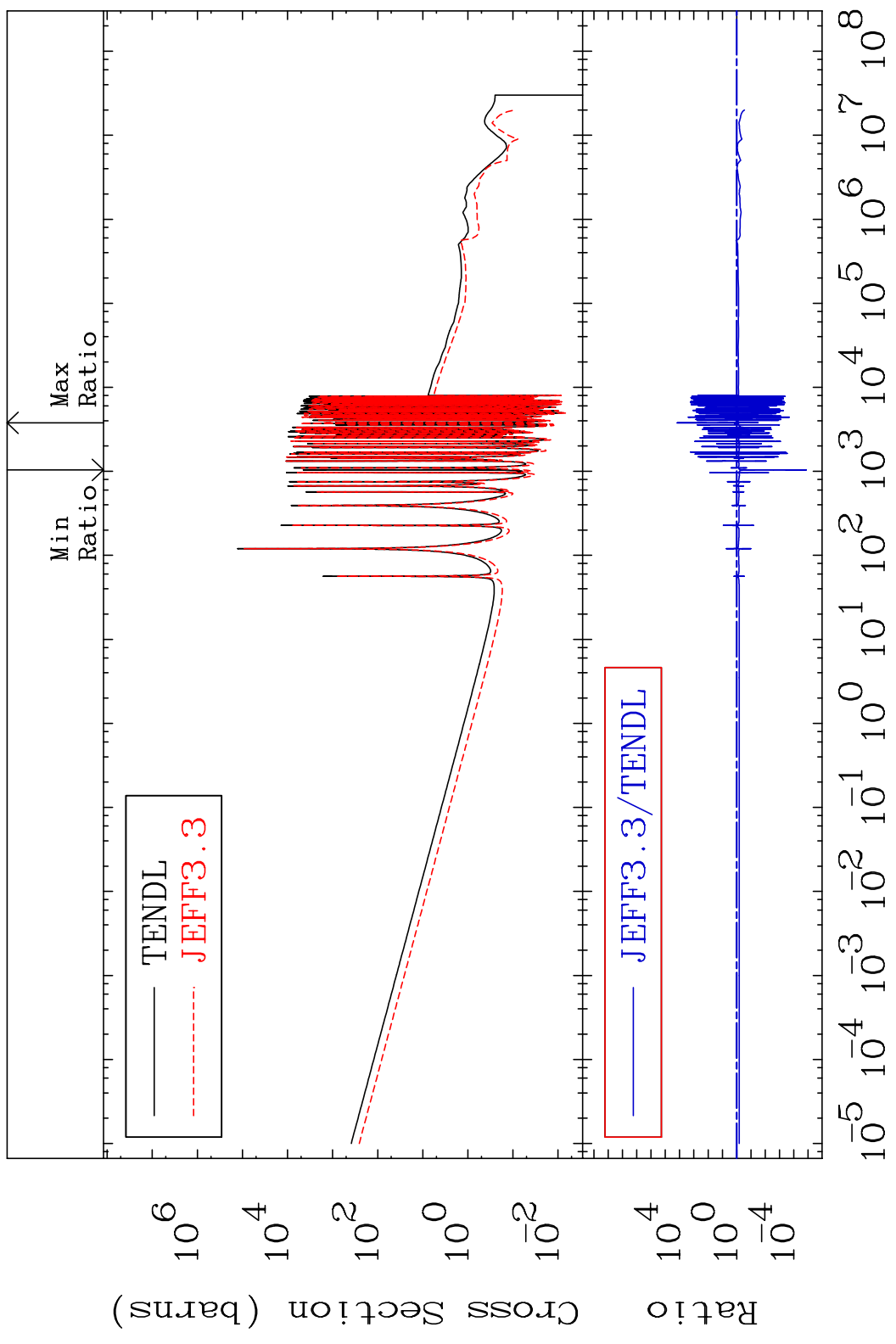


MAT 4849 Kerma inelastic (mt51-91) 48-Cd-114
 Cross Section 1722. To 9999. %

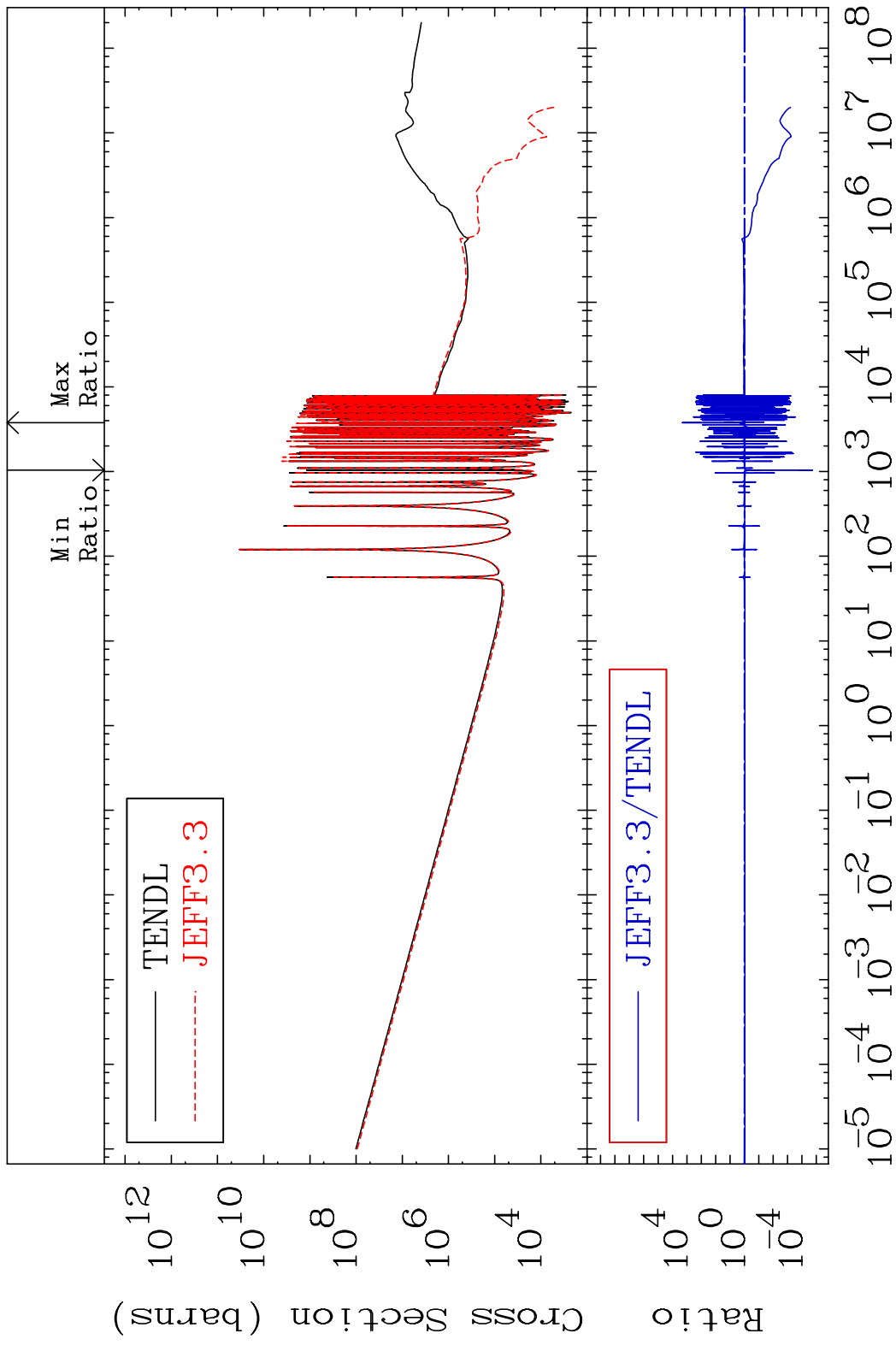


MAT 4849 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-114
 Cross Section 1722. To 9999. %

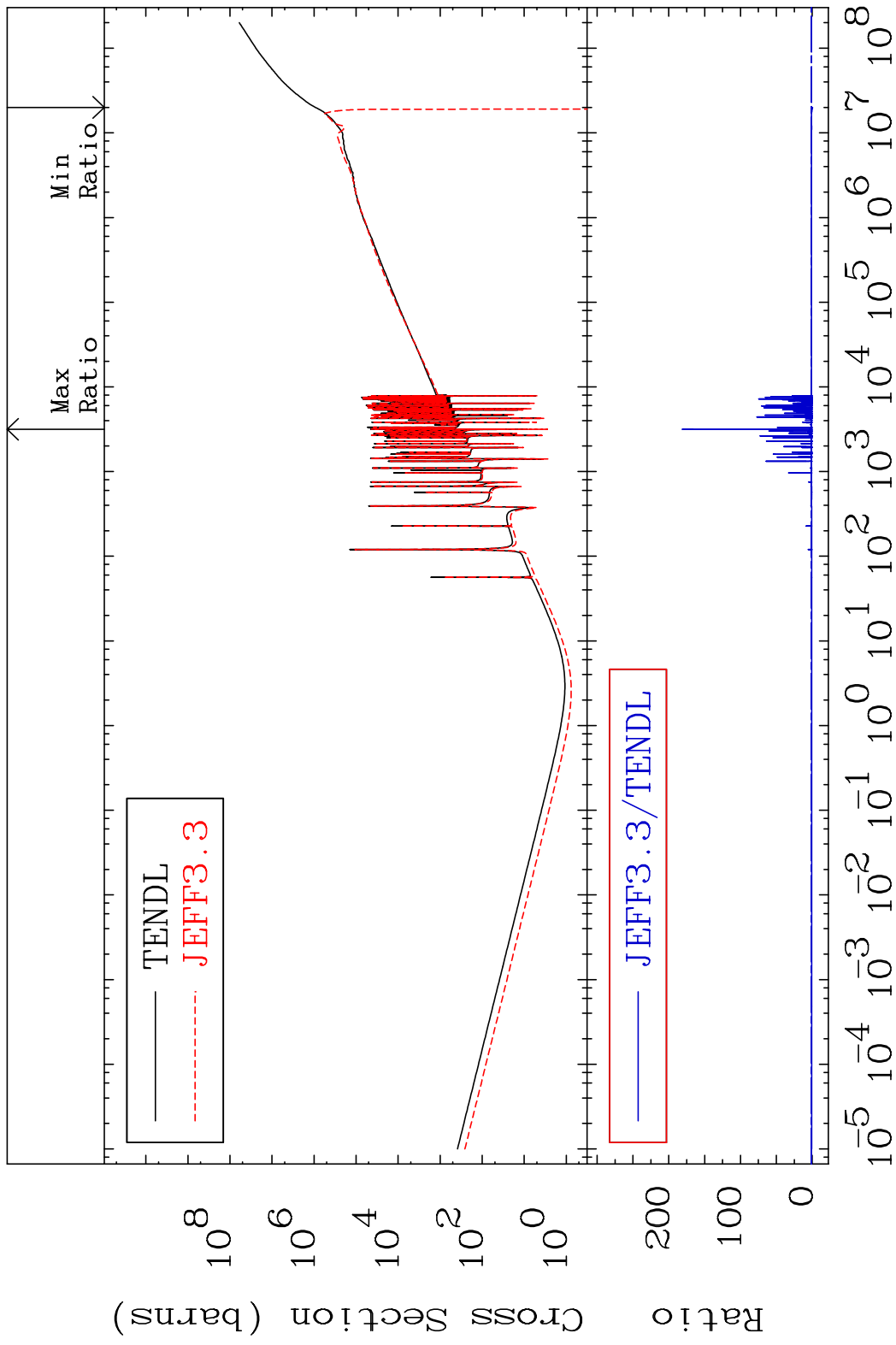




MAT 4849 Total photon (eV-barns) 48-Cd-114
 Cross Section -100.0 To 9999. %



MAT 4849 Total kinematic kerma (high limit) 48-Cd-114
 Cross Section -147.9 To 9999. %



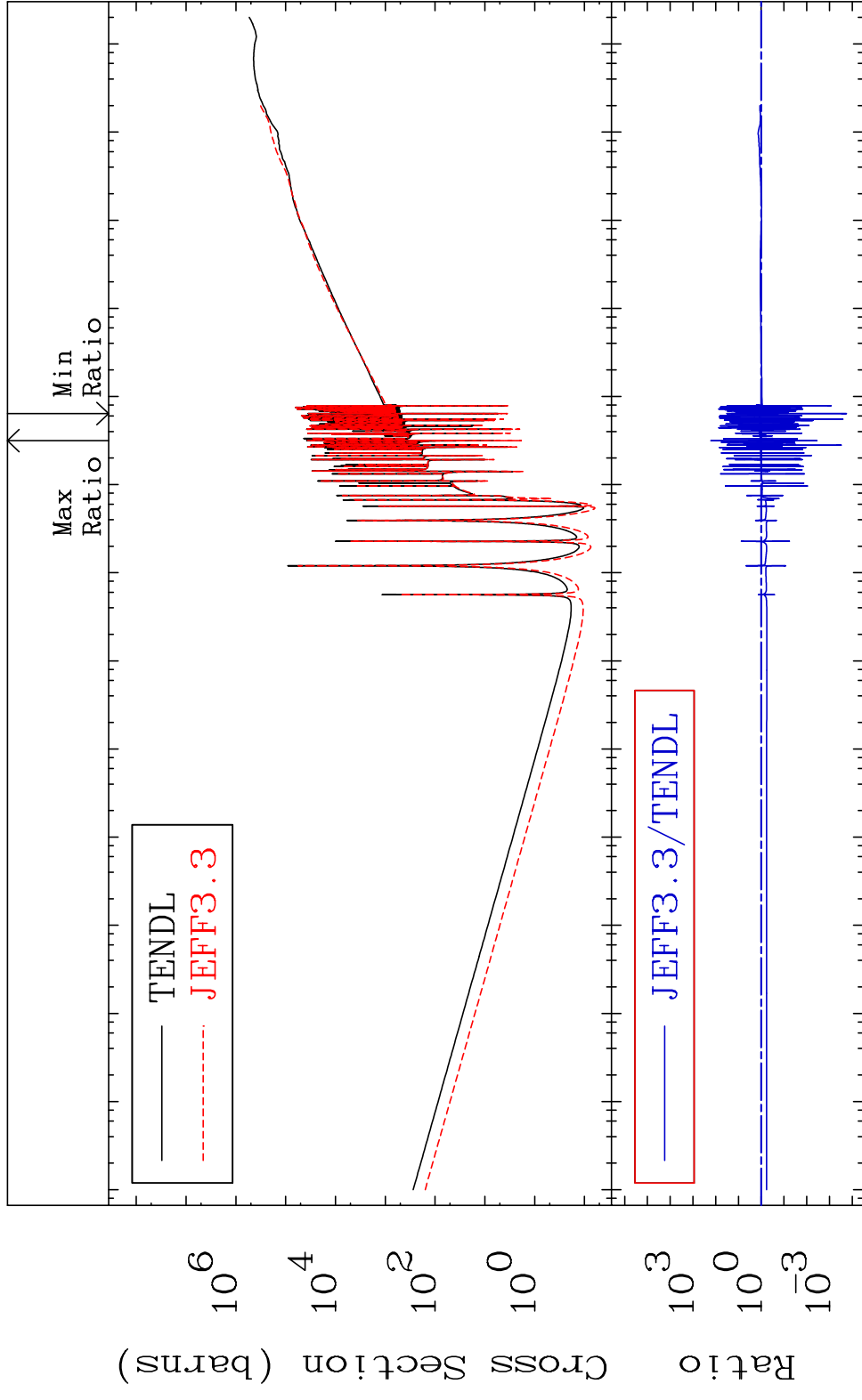
MAT 4849

Dpa total (eV-barns)

48-Cd-114

Cross Section

-99.98 To 9999. %



Ratio

40

Incident Energy (eV)

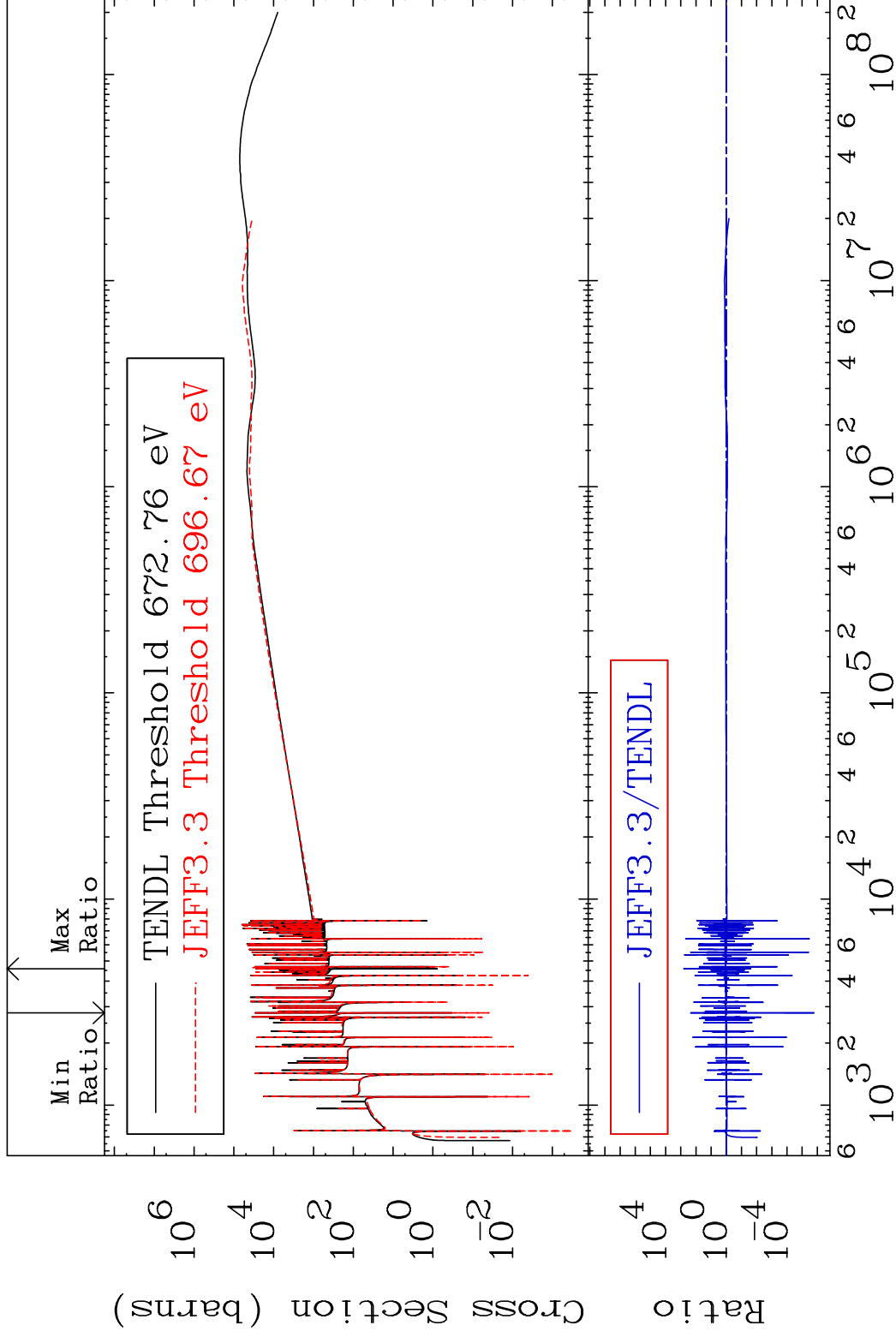
48-Cd-114

MAT 4849

Dpa elastic (mt2)

48-Cd-114

Cross Section -100.0 To 9999. %

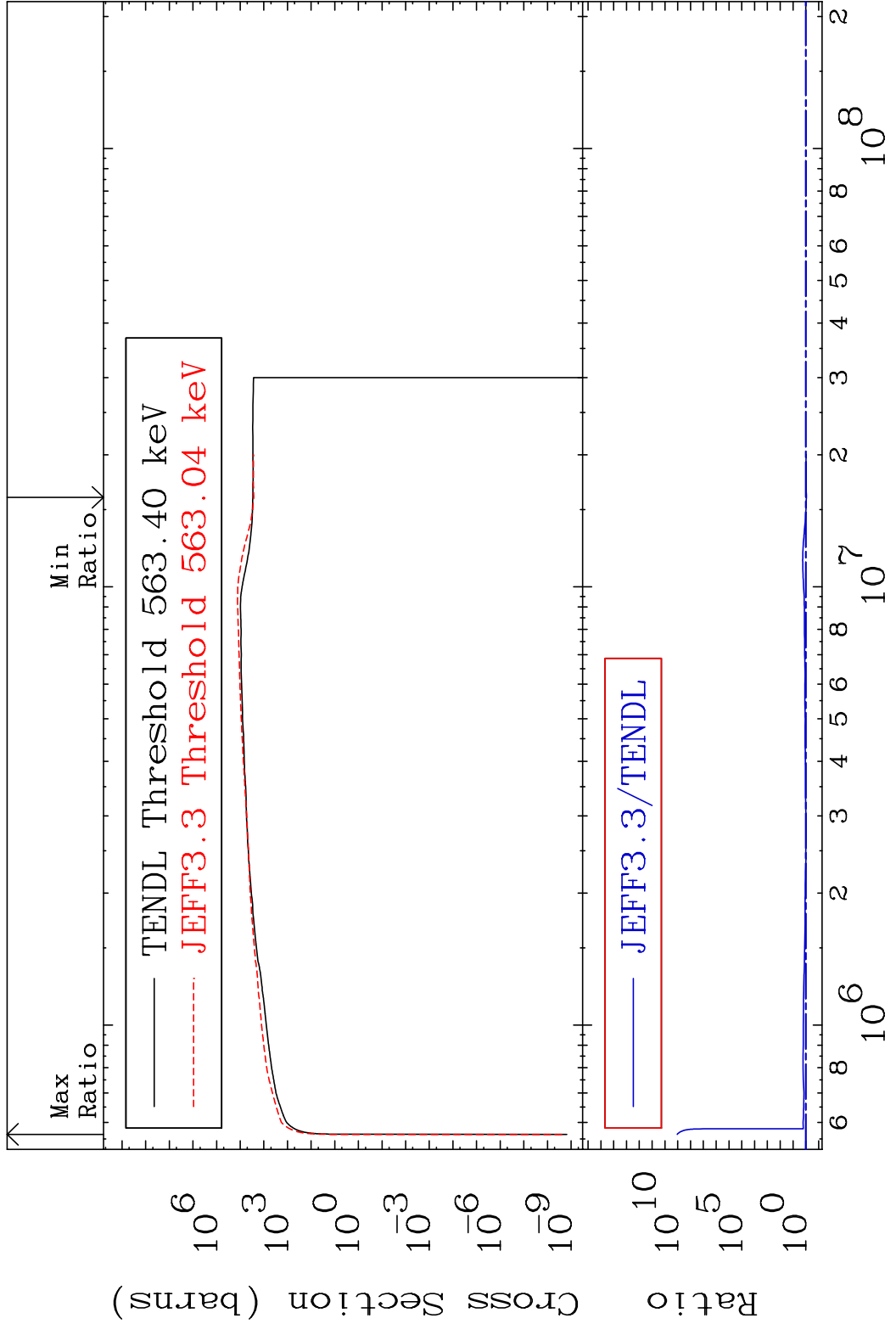


41

Incident Energy (eV)

48-Cd-114

MAT 4849 Dpa inelastic (mt51-91) 48-Cd-114
 Cross Section -9.486 To 9999. %



MAT 4849 Dpa disappearance (mt102 -120) 48-Cd-114
 Cross Section -100.0 To 9999. %

