

Program Complot
(Version 2021-1)

by

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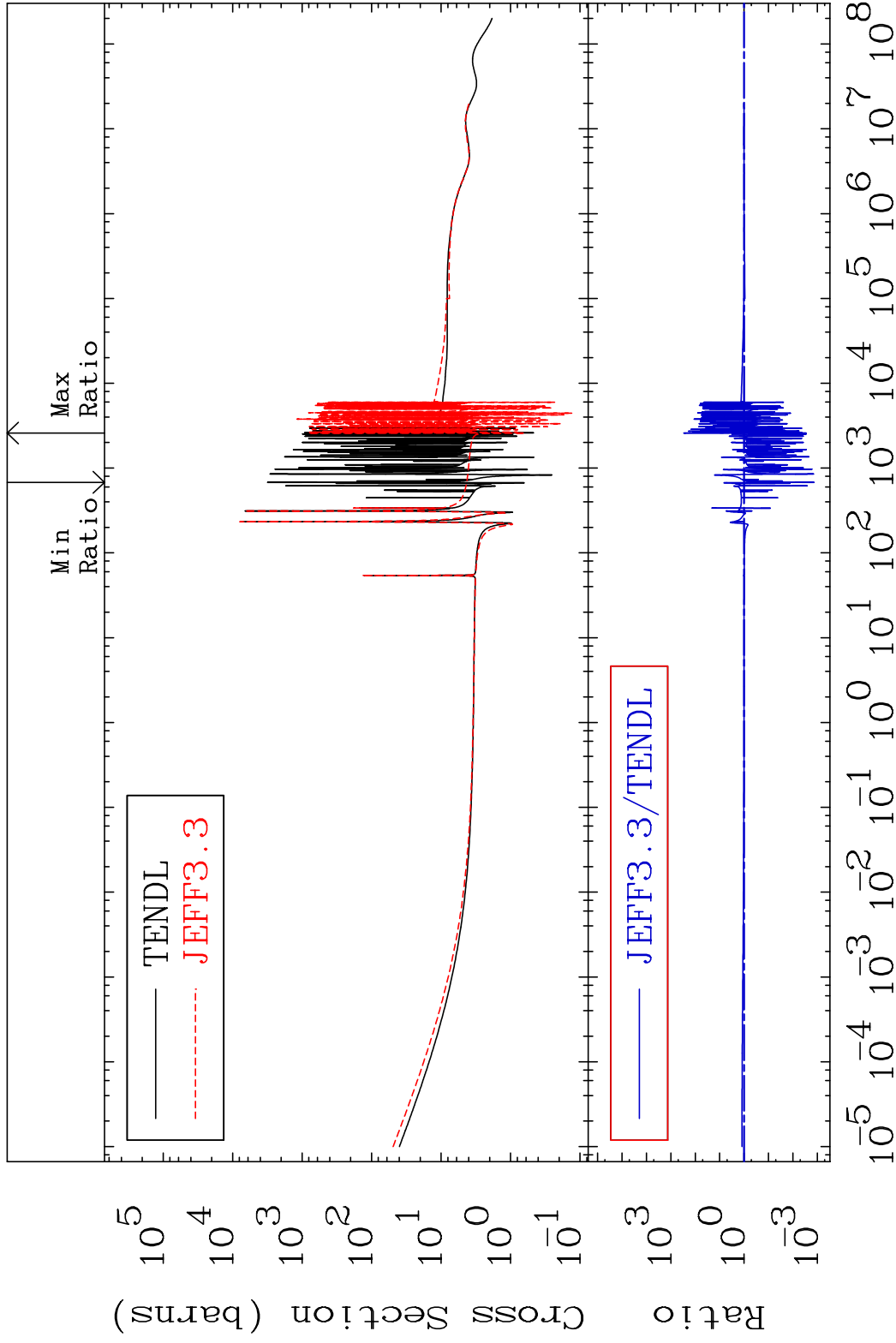
Press Mouse Button to Start

MAT 4831

Total

48-Cd-108

Cross Section -99.86 To 9999. %



1

Incident Energy (eV)

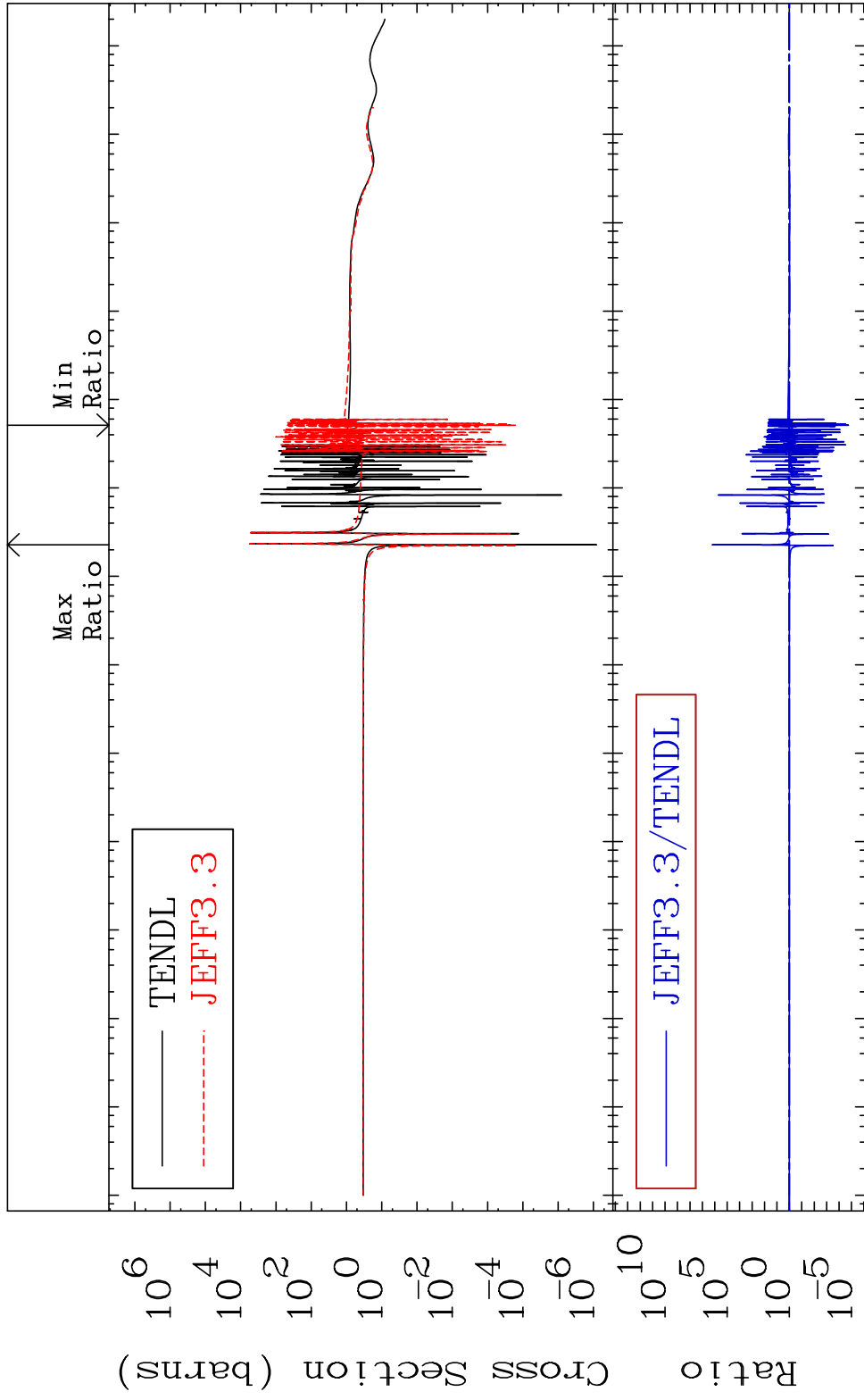
48-Cd-108

MAT 4831

Elastic

48-Cd-108

Cross Section -100.0 To 9999. %

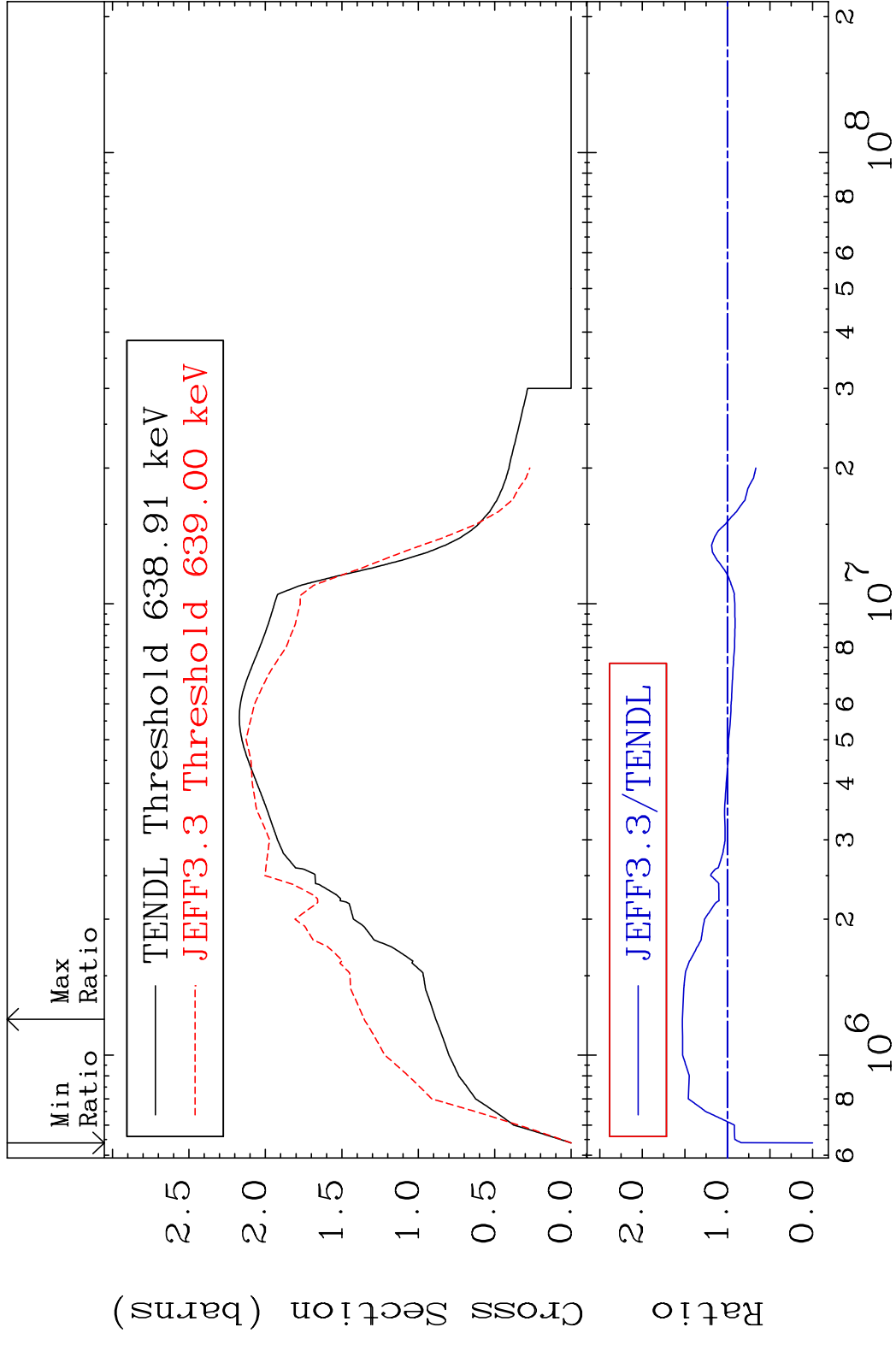


2

Incident Energy (eV)

48-Cd-108

MAT 4831 Inelastic 48-Cd-108
 Cross Section -100.0 To 52.96 %



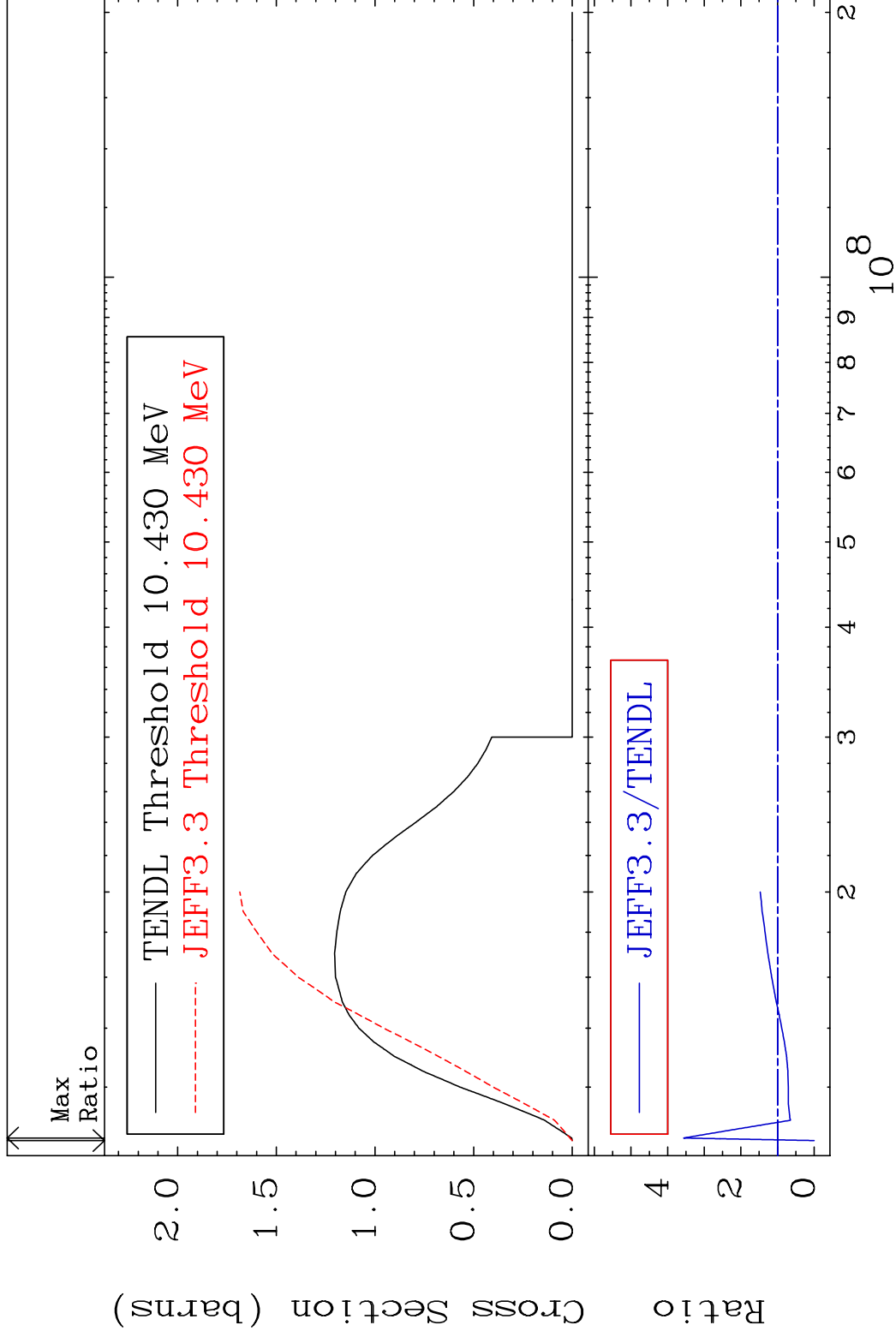
3 Incident Energy (eV) 48-Cd-108

MAT 4831

(n,2n)

48-Cd-108

Cross Section -100.0 To 256.3 %



4

Incident Energy (eV)

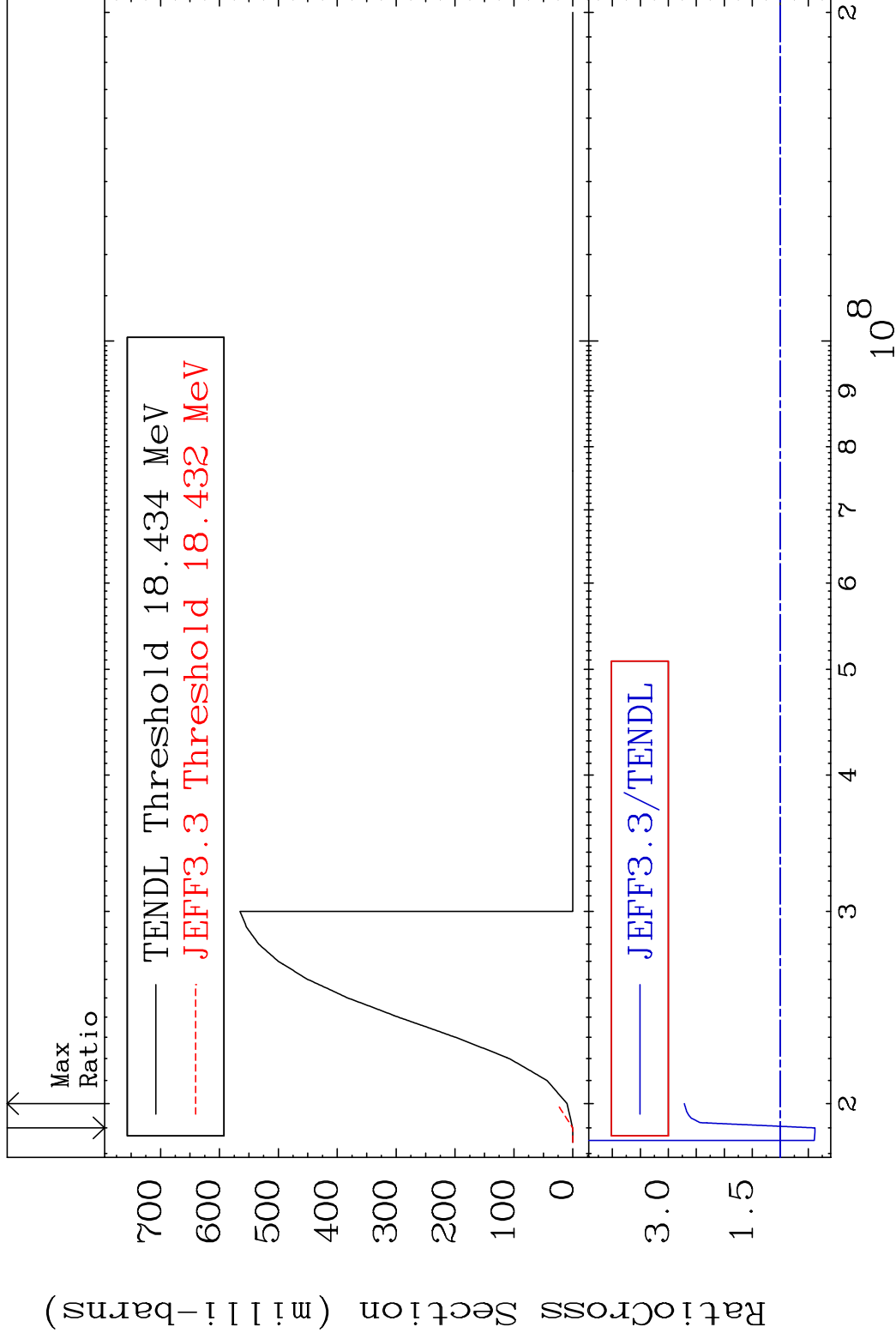
48-Cd-108

MAT 4831

(n,3n)

48-Cd-108

Cross Section -61.88 To 171.4 %



5

Incident Energy (eV)

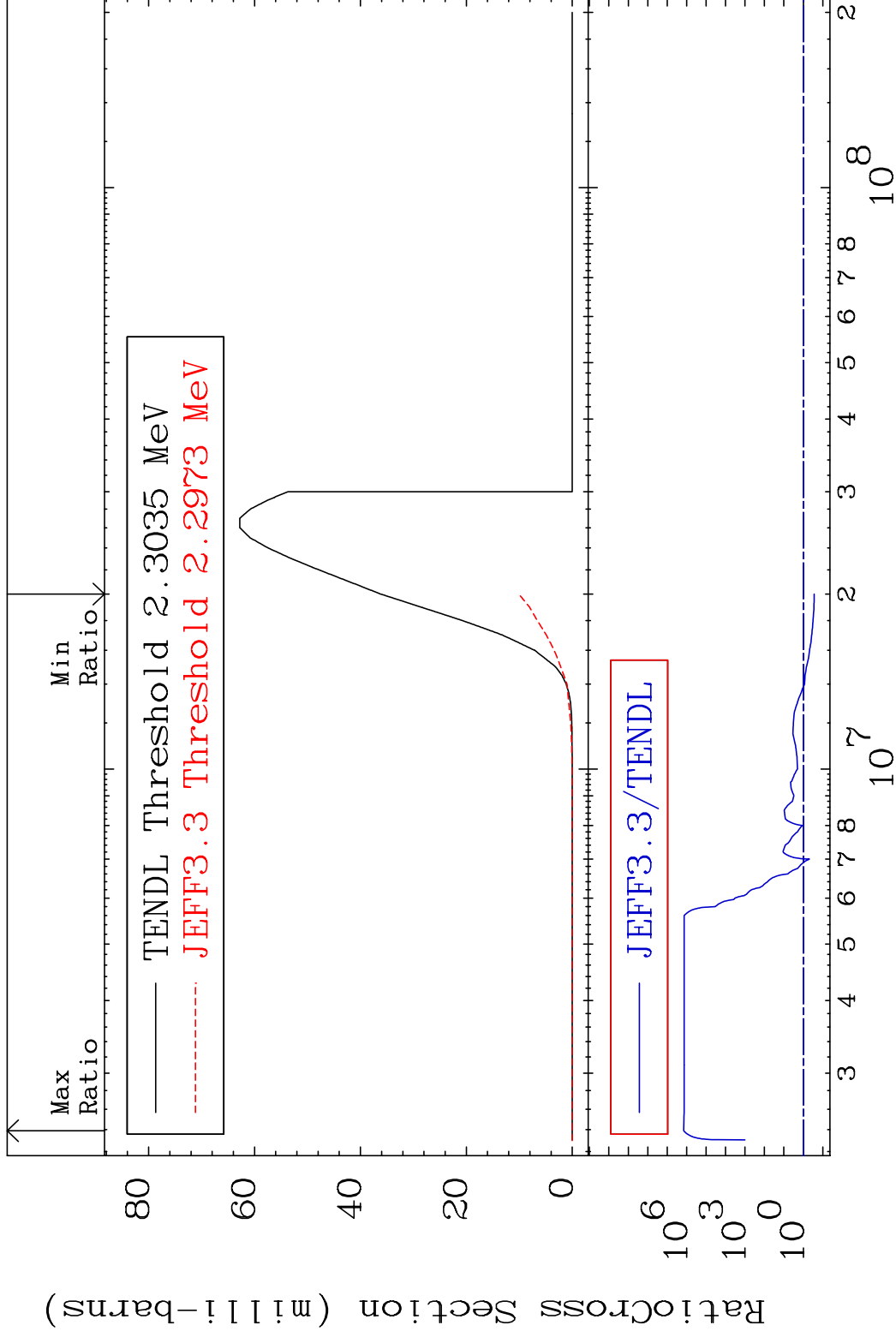
48-Cd-108

MAT 4831

(n, n') α

48-Cd-108

Cross Section -72.11 To 9999. %



6

Incident Energy (eV)

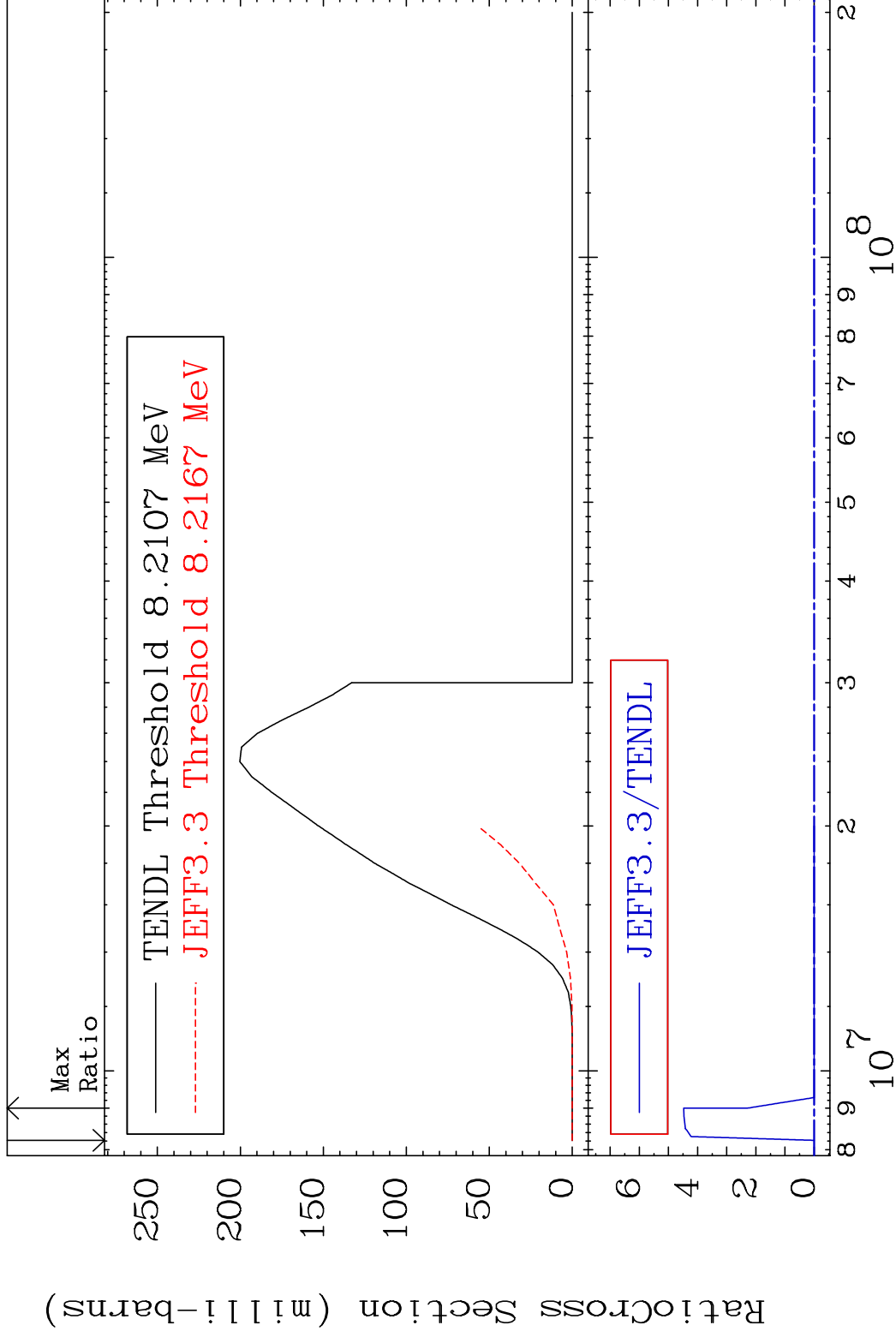
48-Cd-108

MAT 4831

(n, n') p

48-Cd-108

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

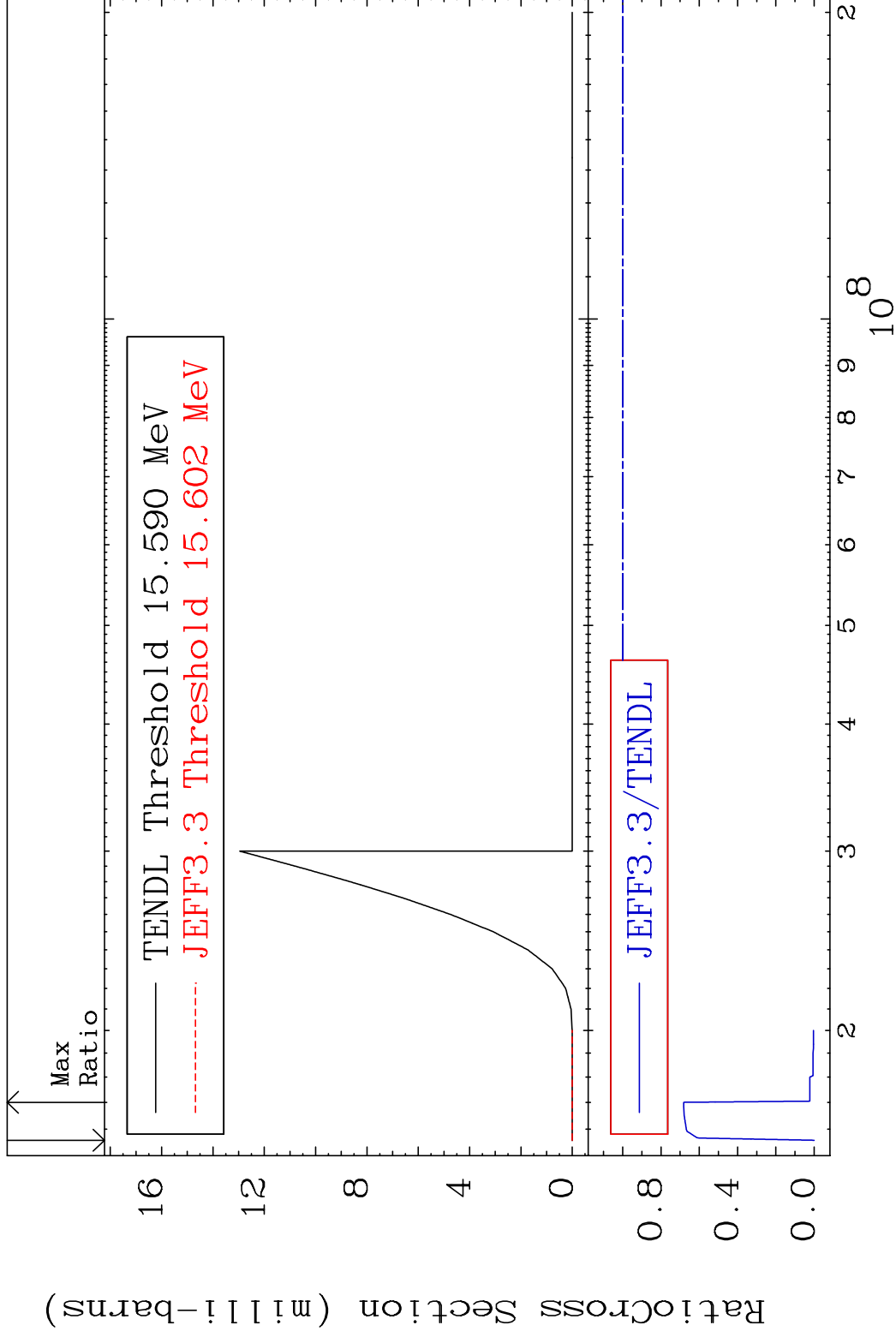
48-Cd-108

MAT 4831

(n, n') d

48-Cd-108

Cross Section -100.0 To -31.84%



8

Incident Energy (eV)

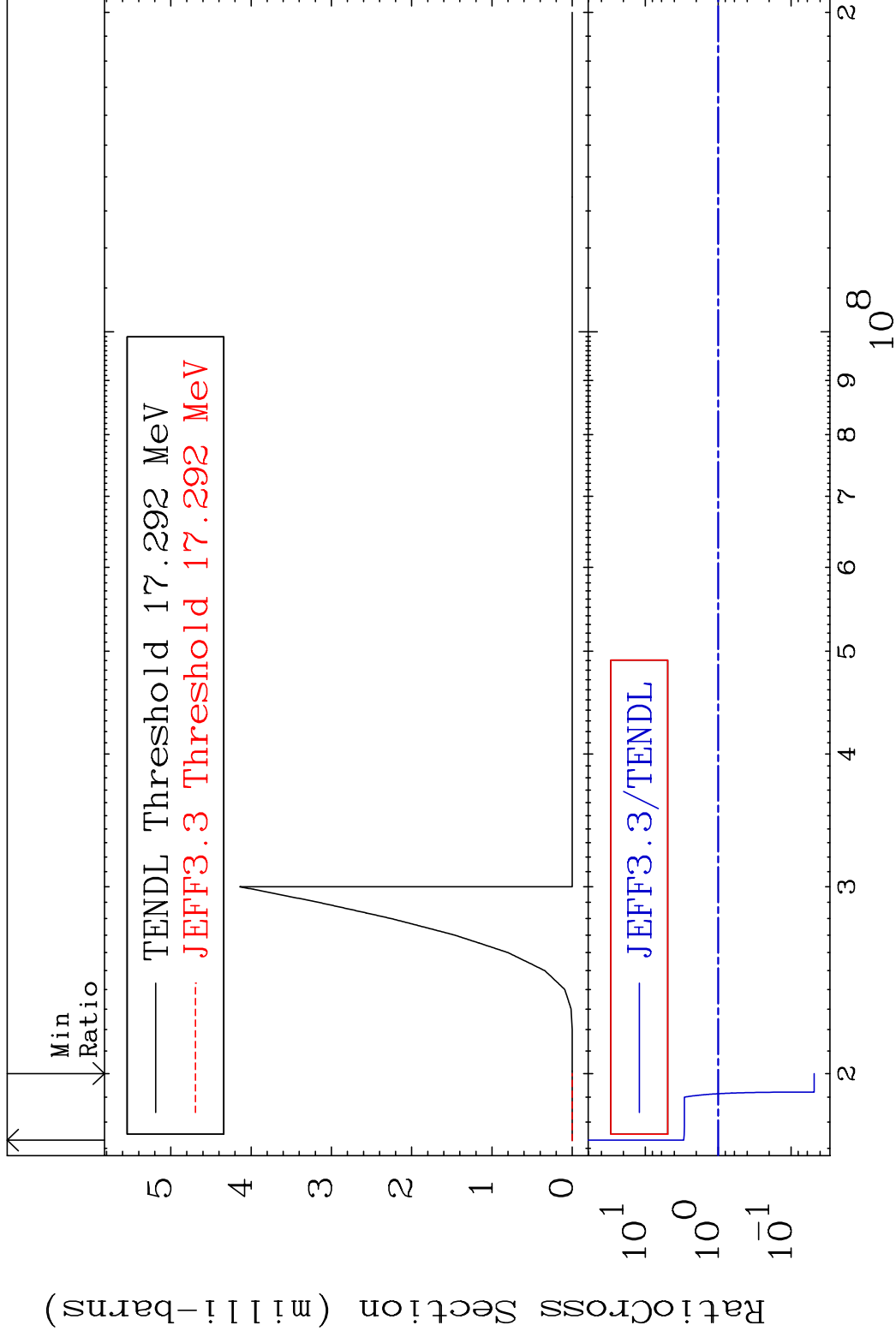
48-Cd-108

MAT 4831

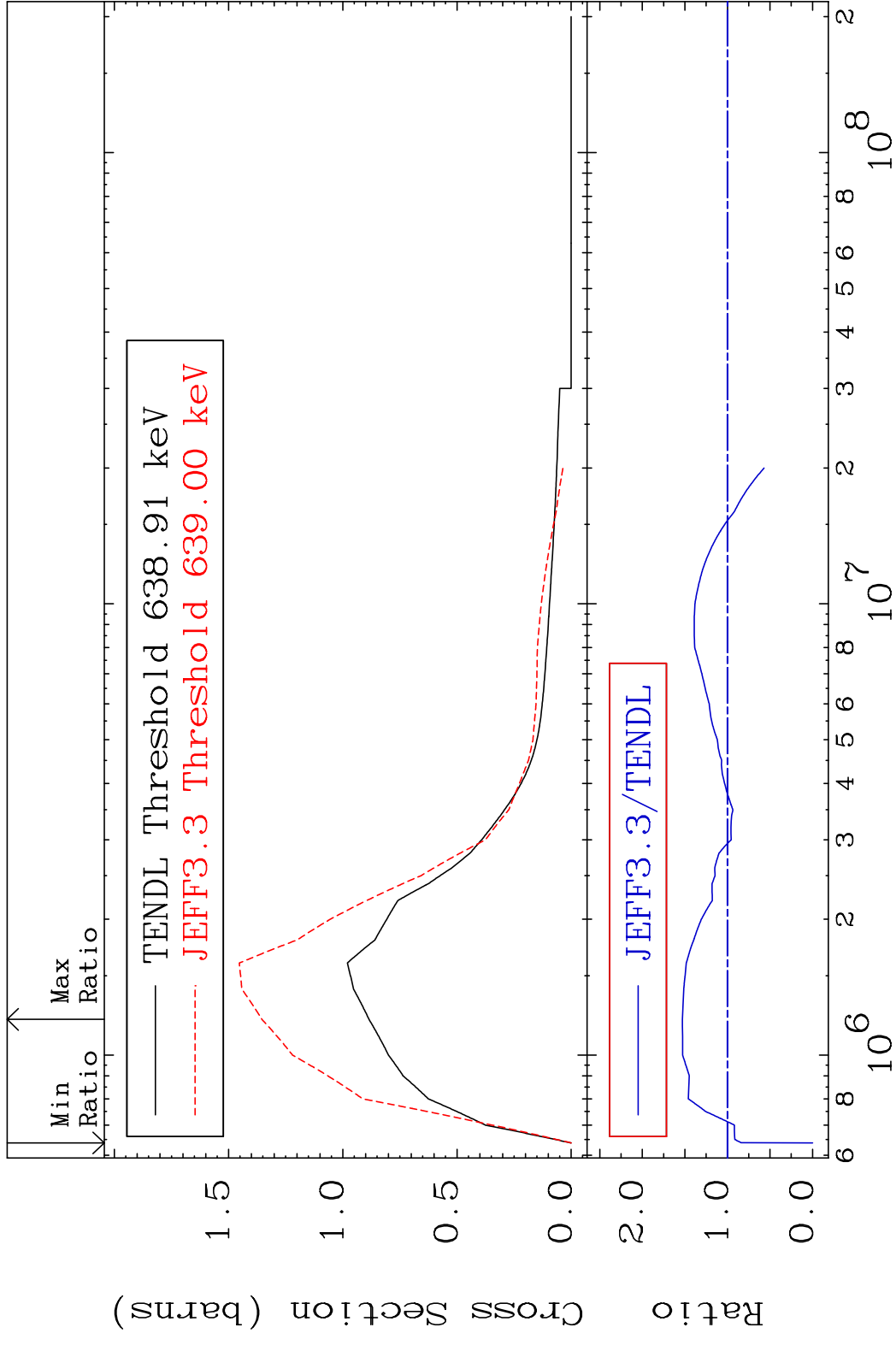
(n, n') t

48-Cd-108

Cross Section -95.15 To 198.0 %

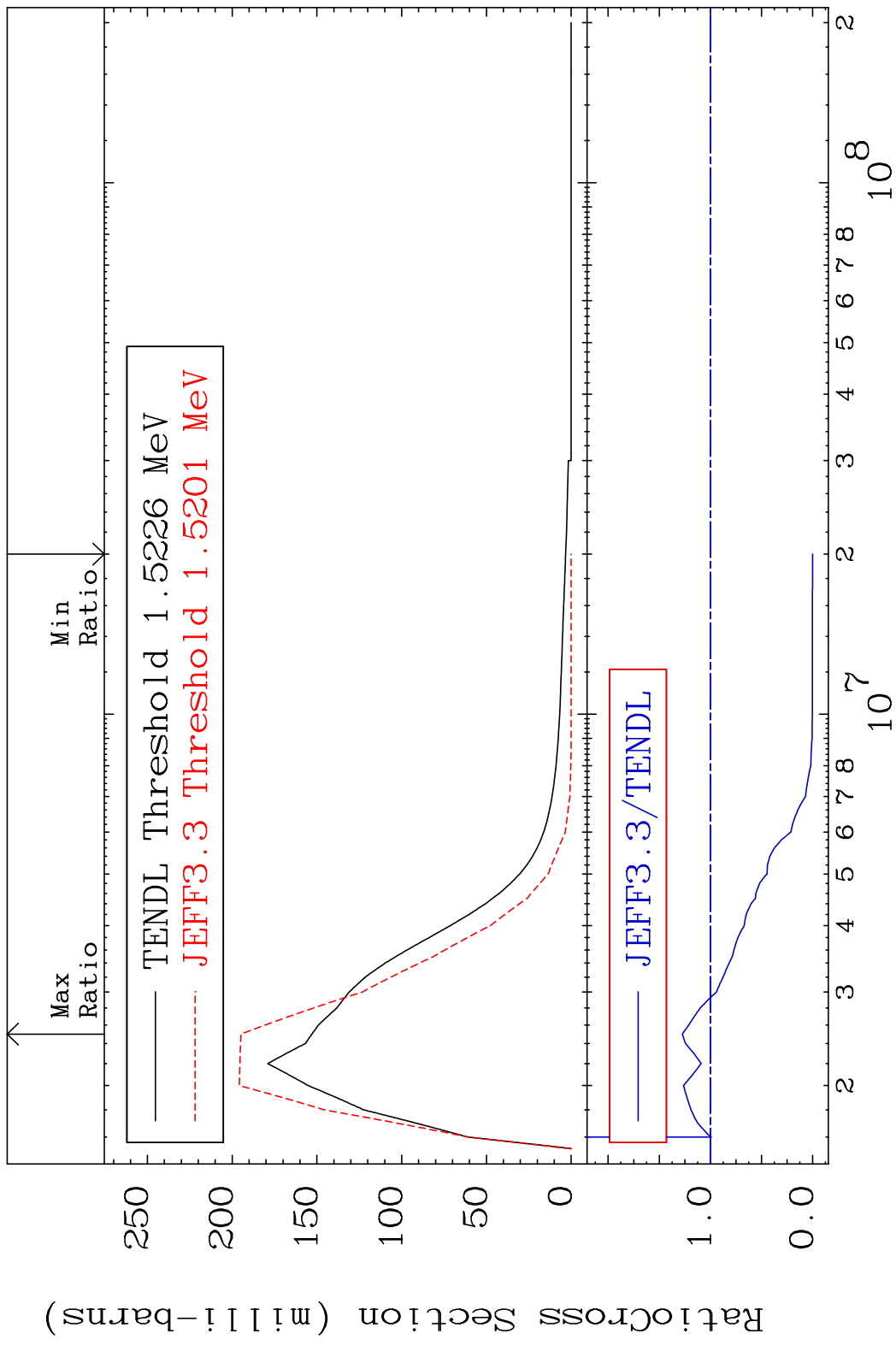


MAT 4831 MT= 51 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 52.96 %

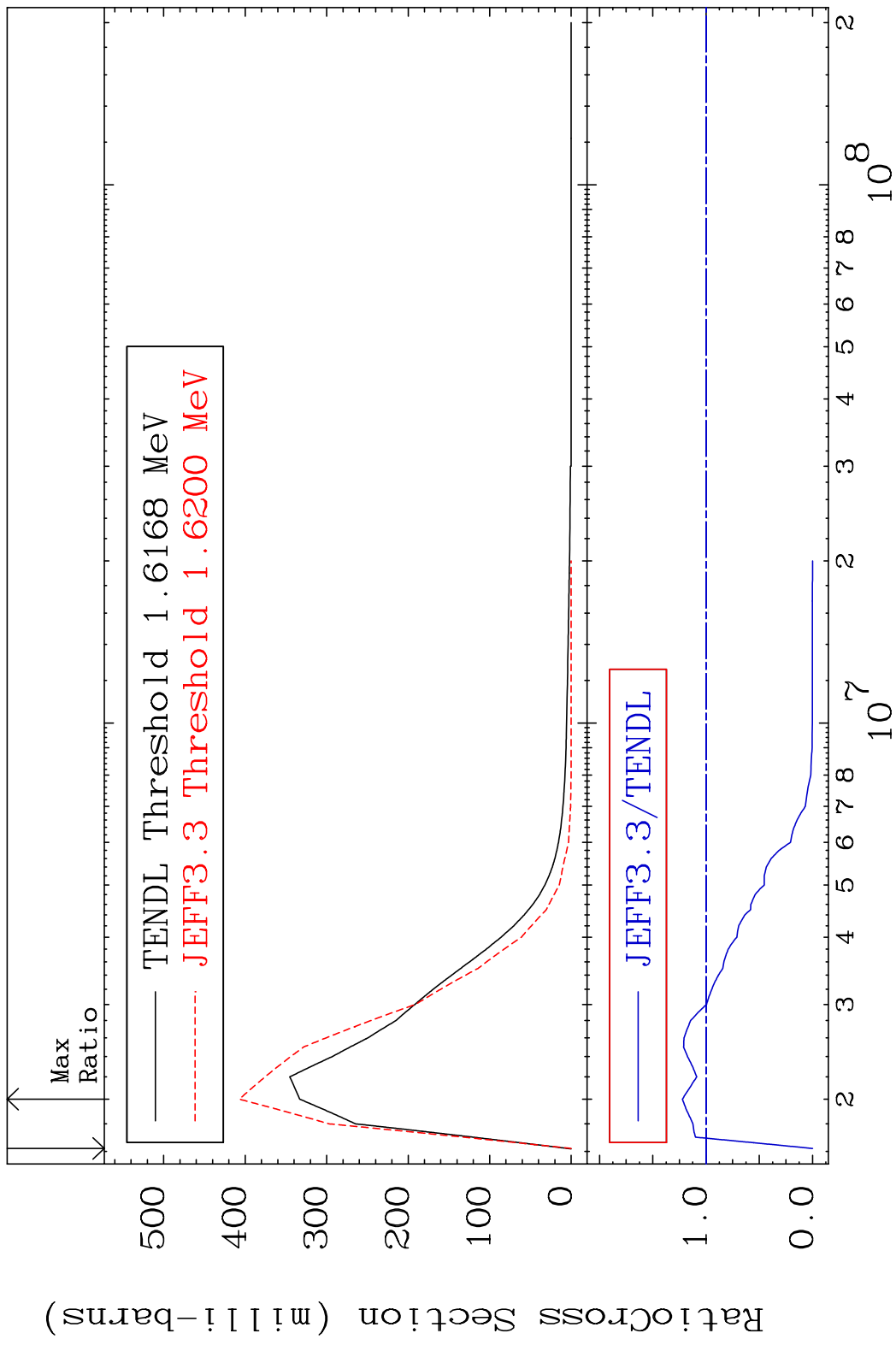


10 Incident Energy (eV) 48-Cd-108

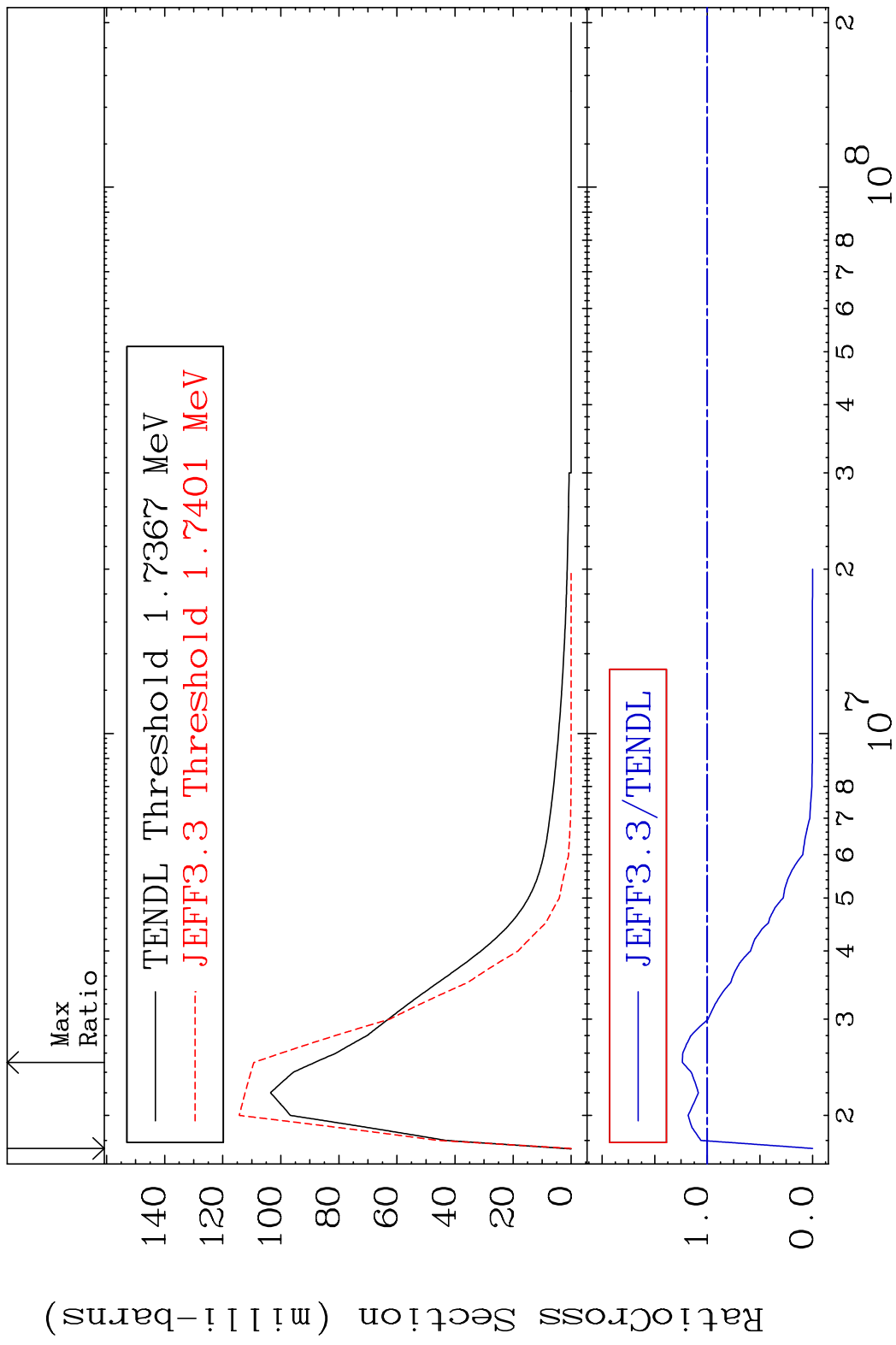
MAT 4831 MT= 52 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 27.40 %



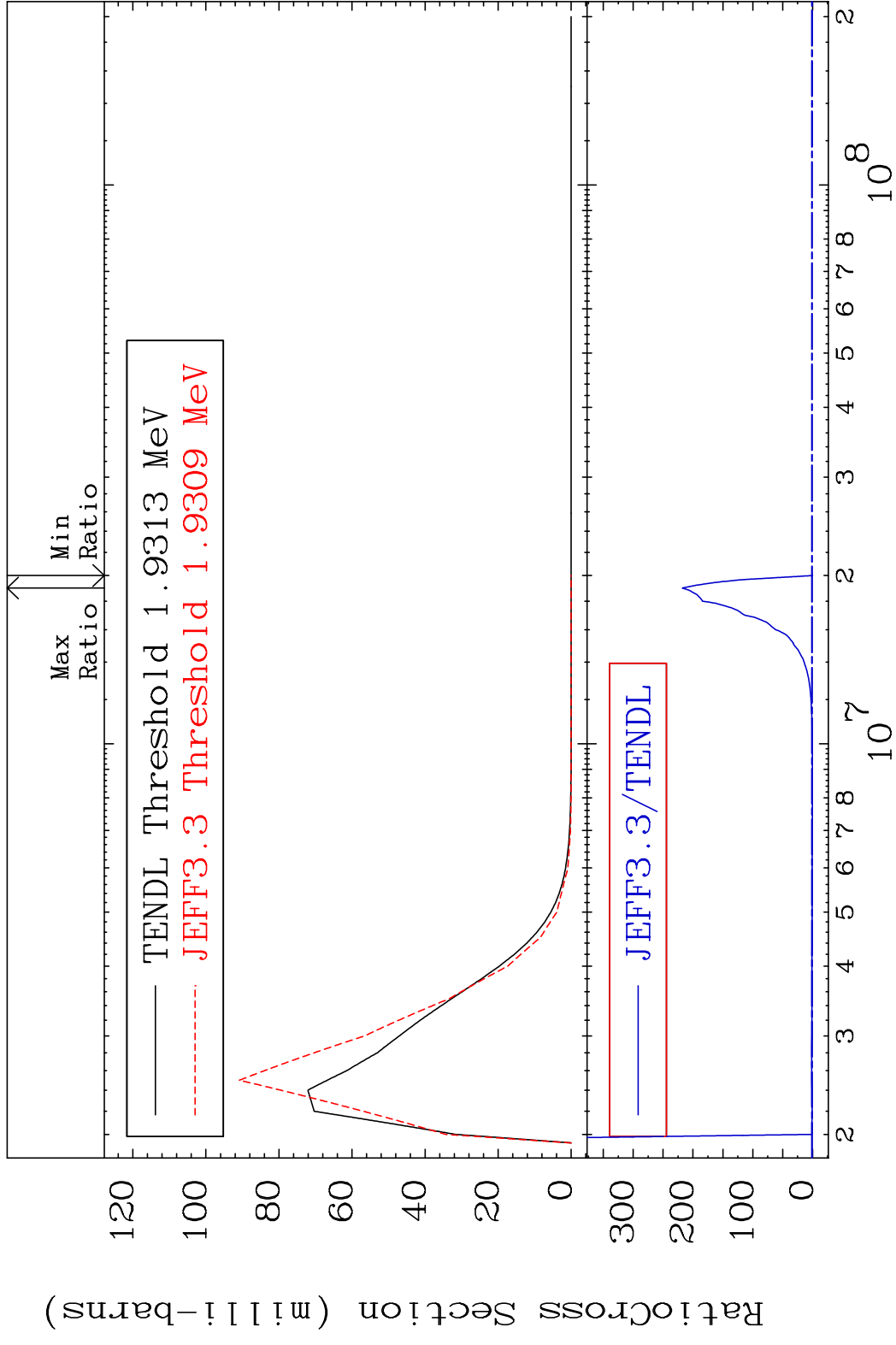
MAT 4831 MT= 53 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 22.23 %



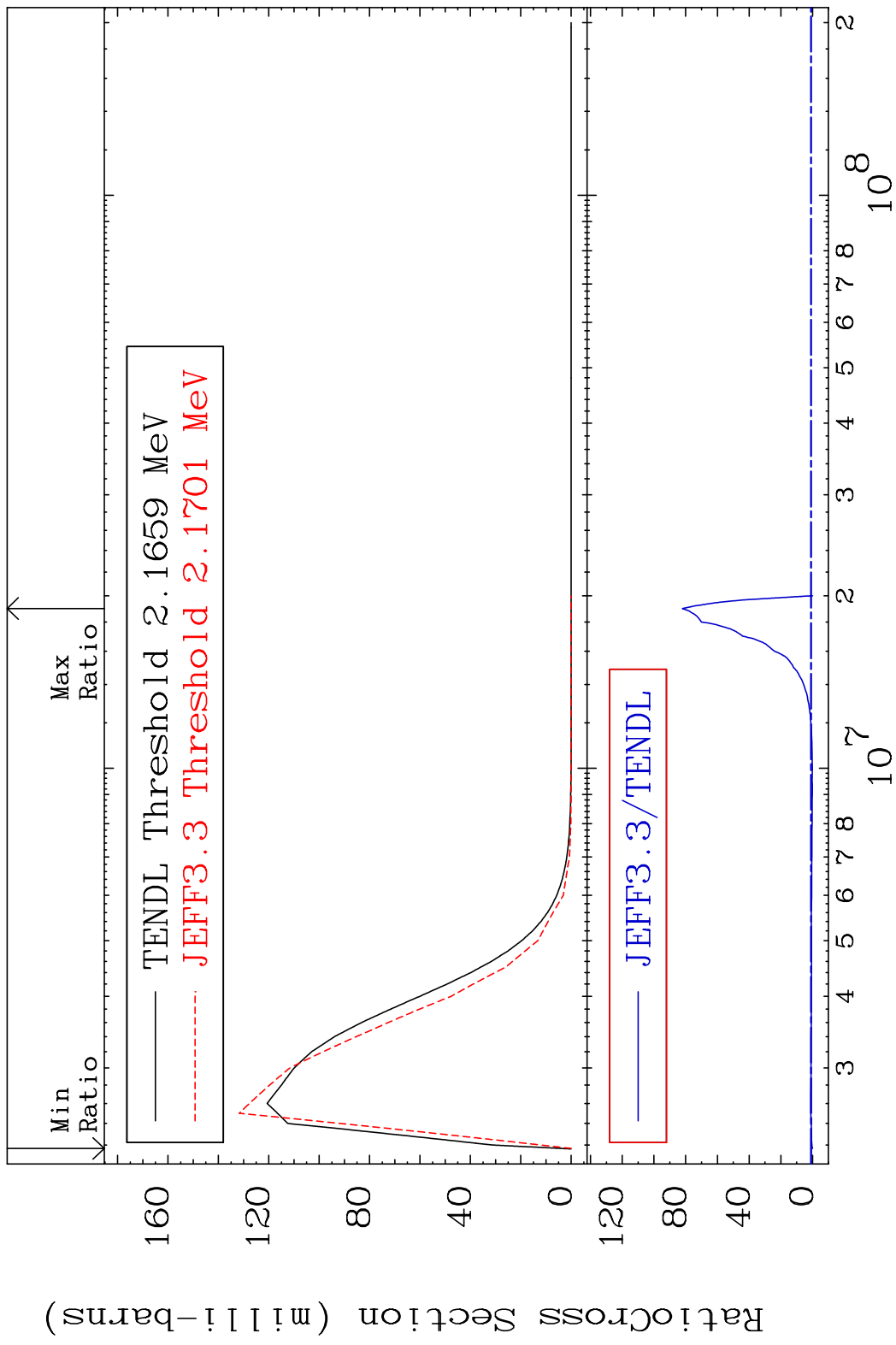
MAT 4831 MT= 54 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 23.73 %



MAT 4831 MT= 55 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831 MT= 56 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 8111. %

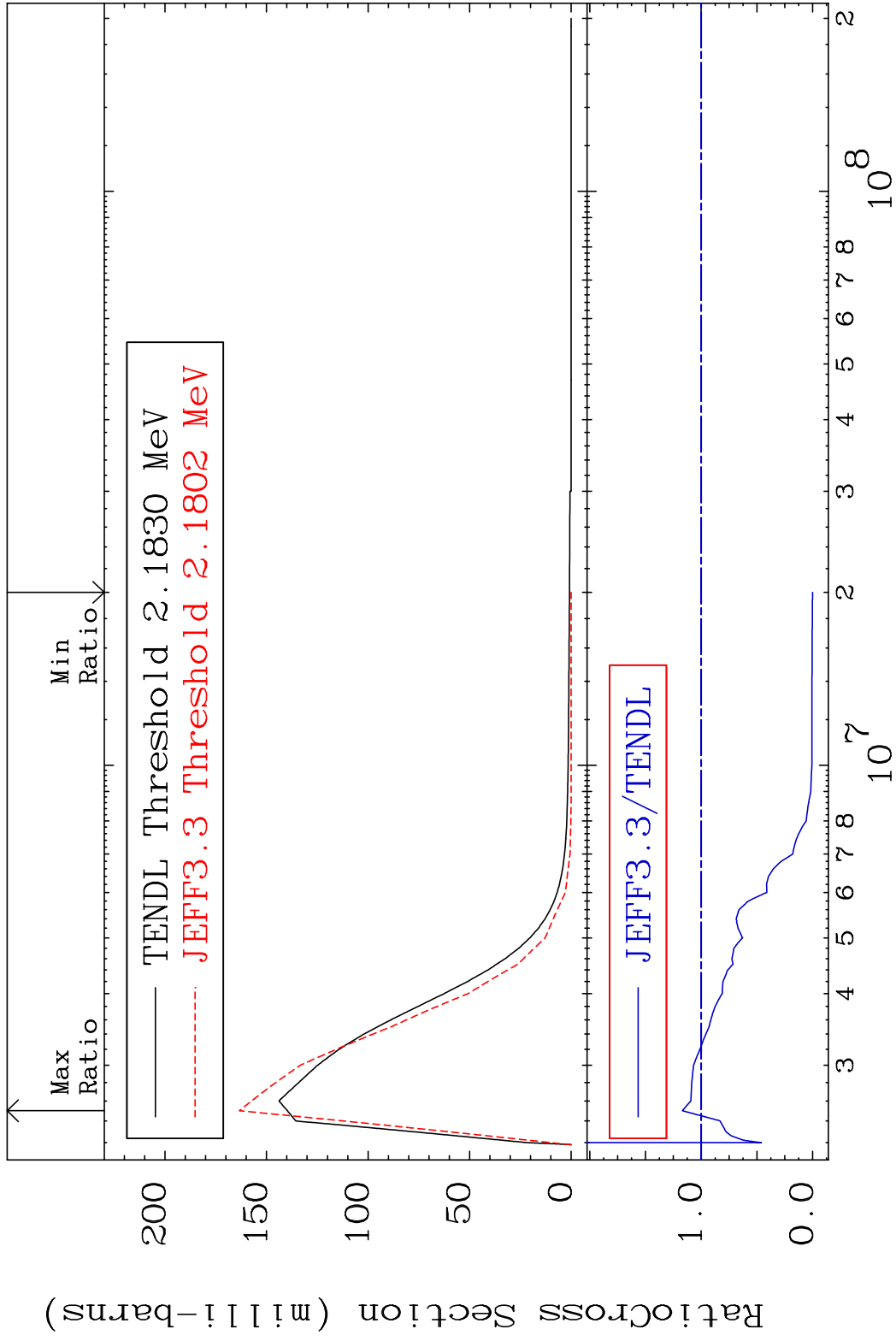


MAT 4831

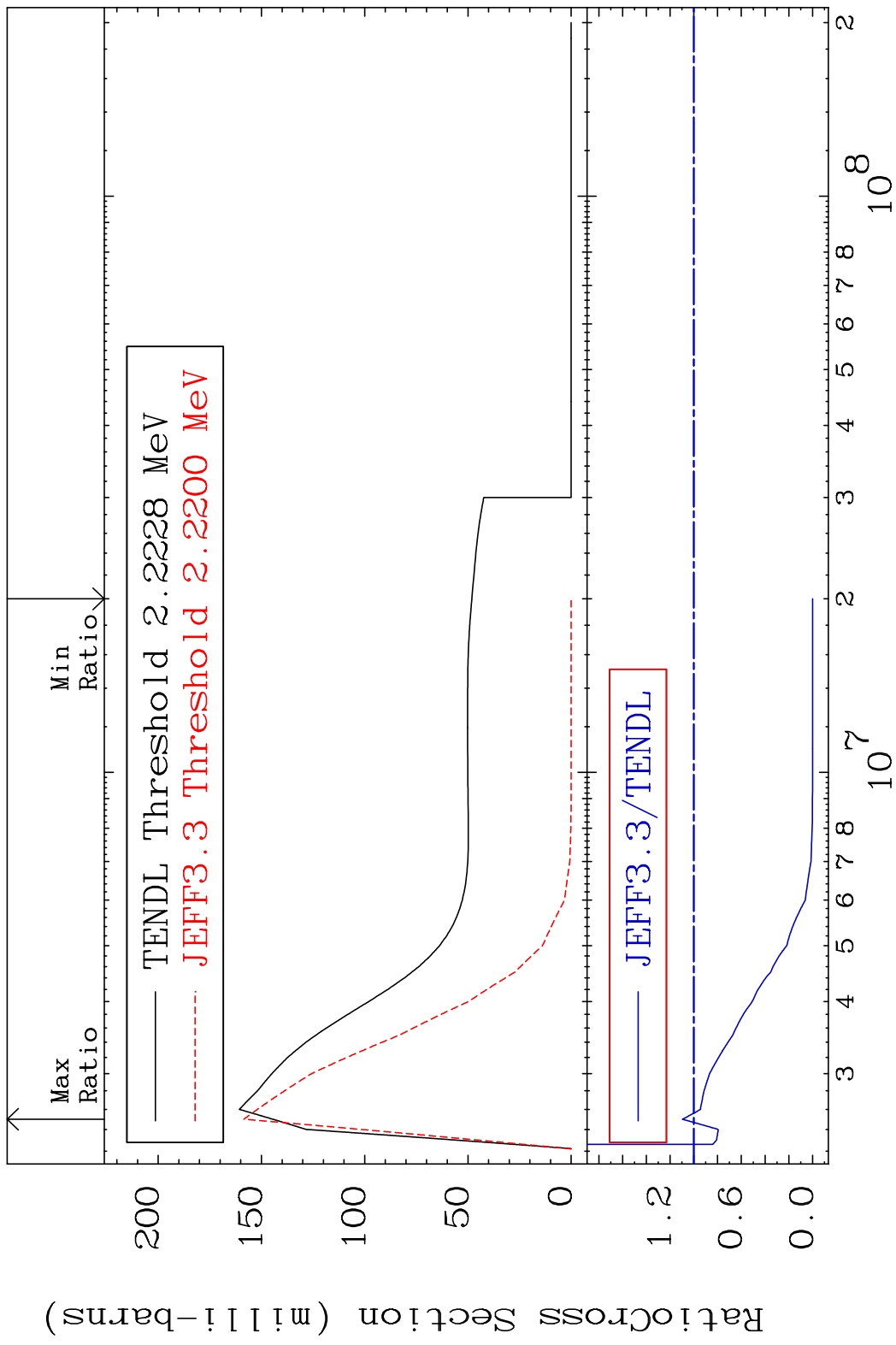
MT= 57 (n, n') Level

48-Cd-108

Cross Section -100.0 To 16.92 %

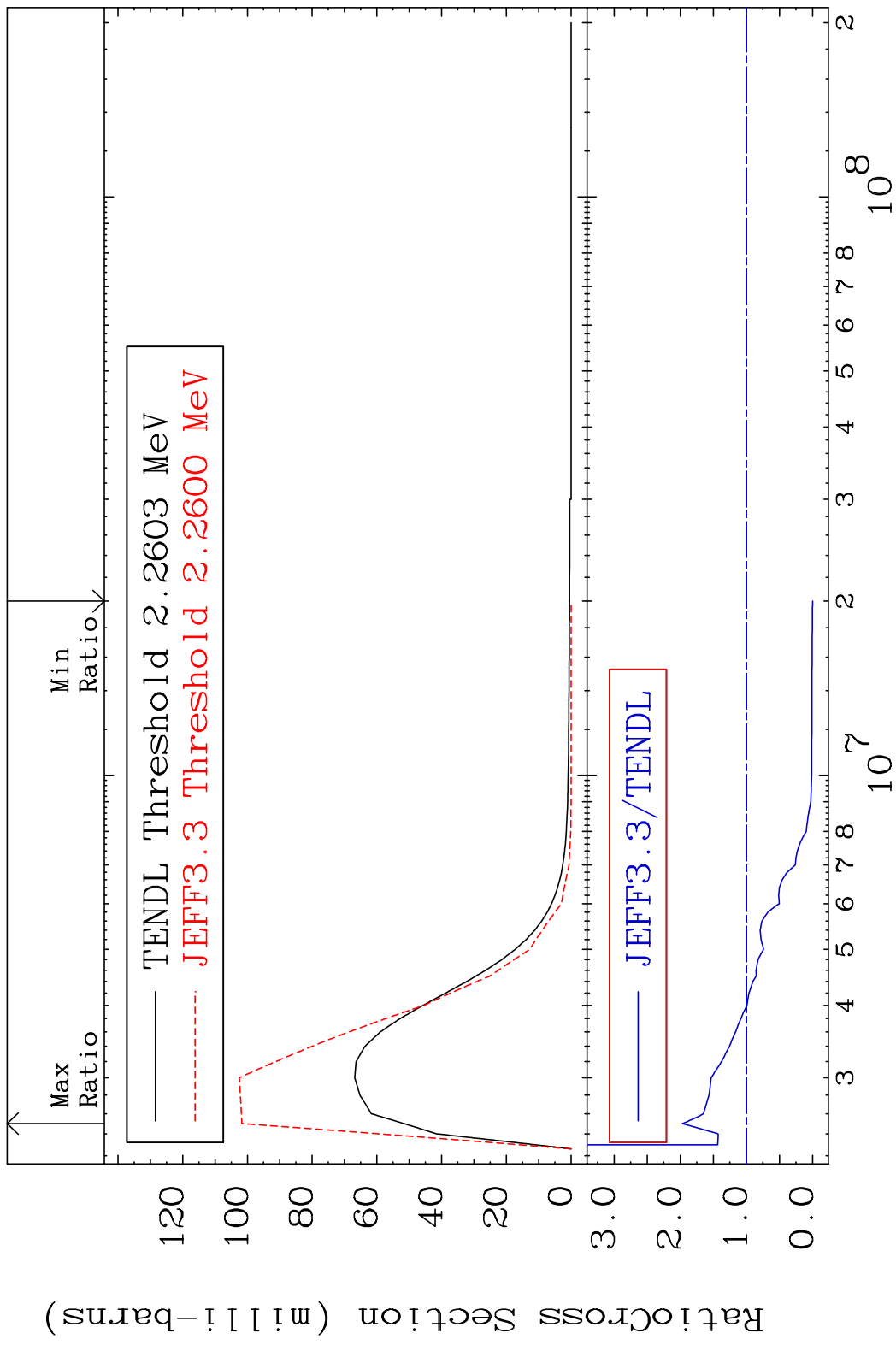


MAT 4831 MT= 58 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 9.683 %

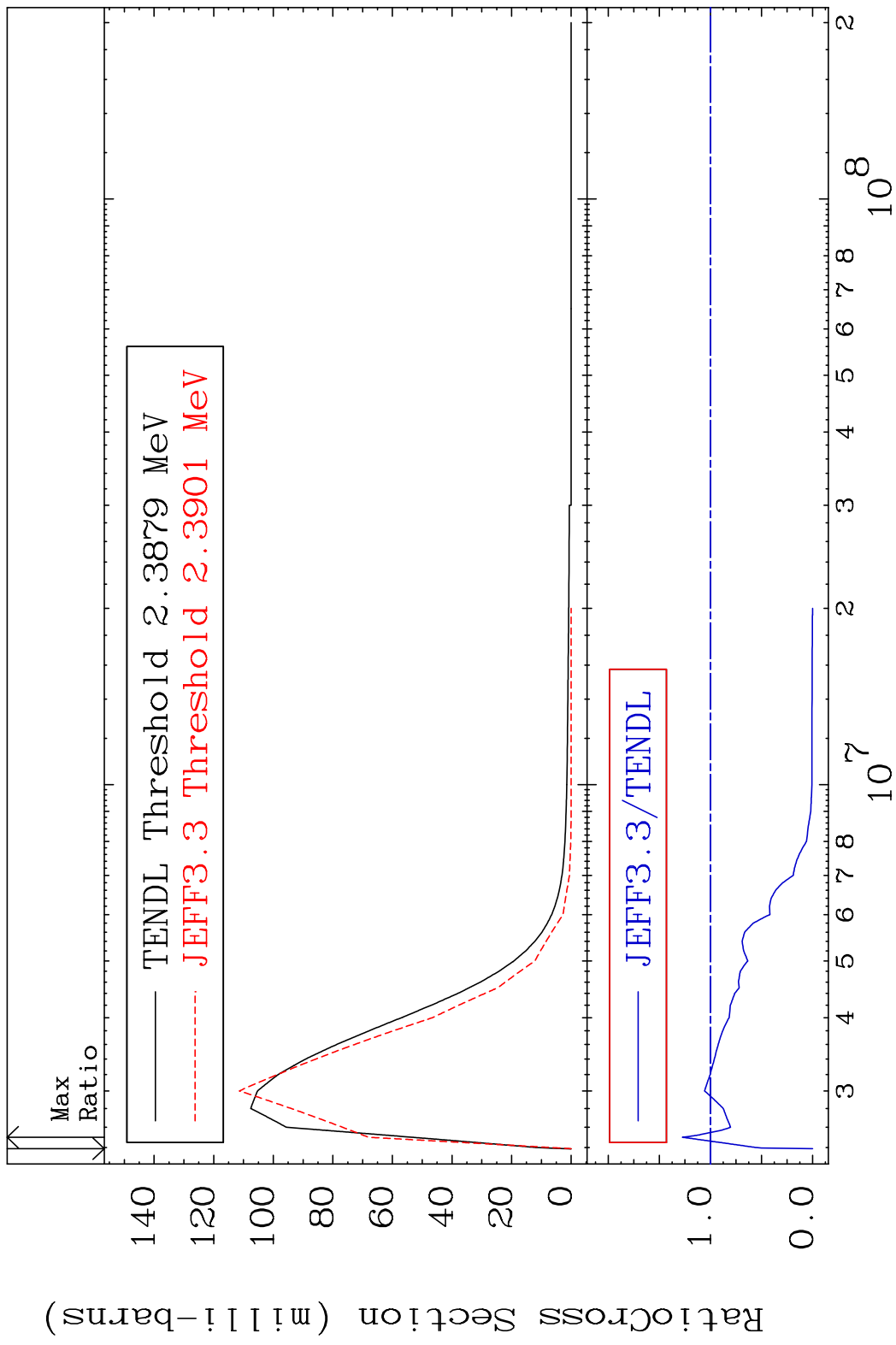


17 48-Cd-108

MAT 4831 MT= 59 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 96.89 %



MAT 4831 MT= 60 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 27.52 %

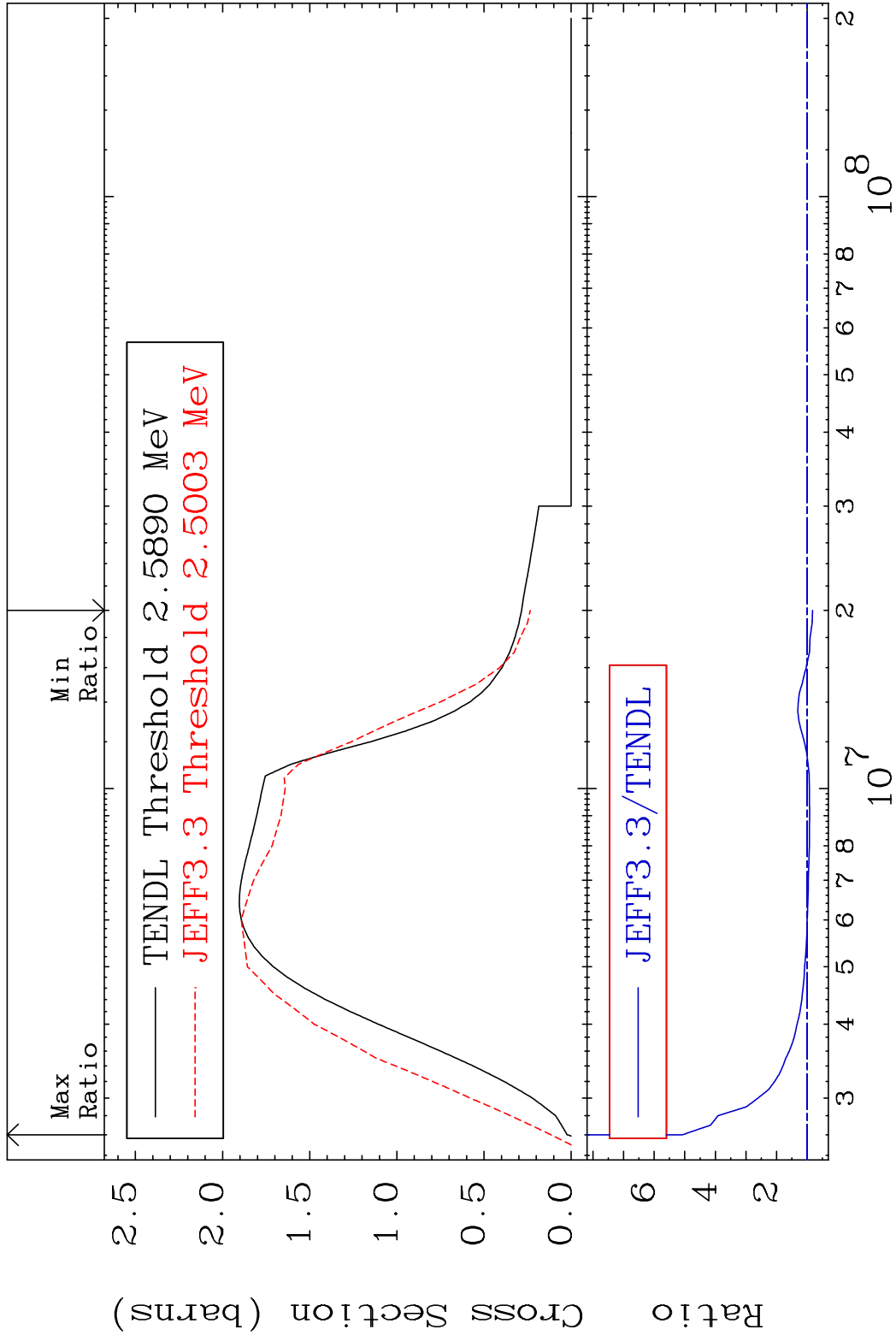


MAT 4831

(n,n') Continuum

48-Cd-108

Cross Section -17.47 To 407.9 %



20

Incident Energy (eV)

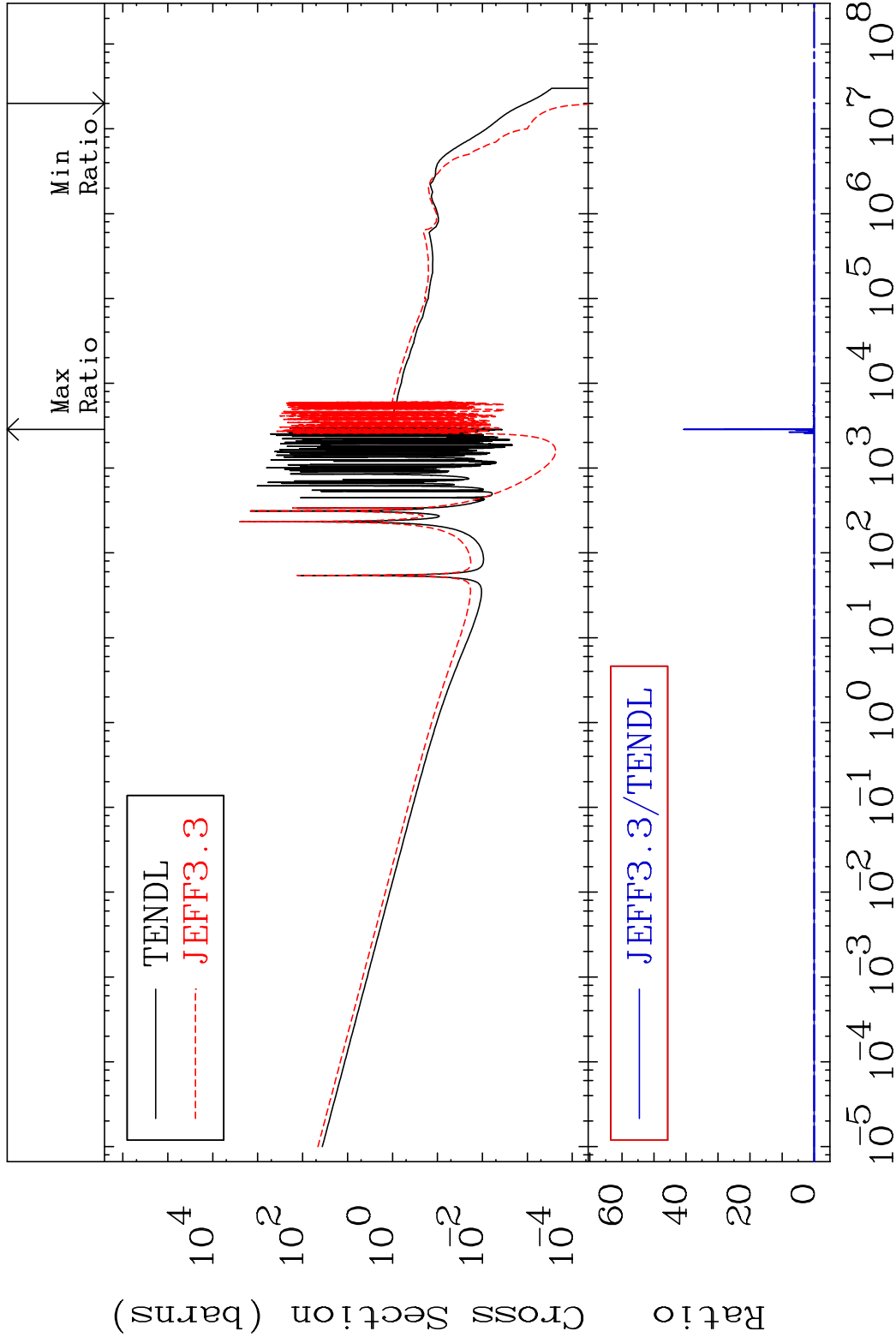
48-Cd-108

MAT 4831

(n, γ)

48-Cd-108

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

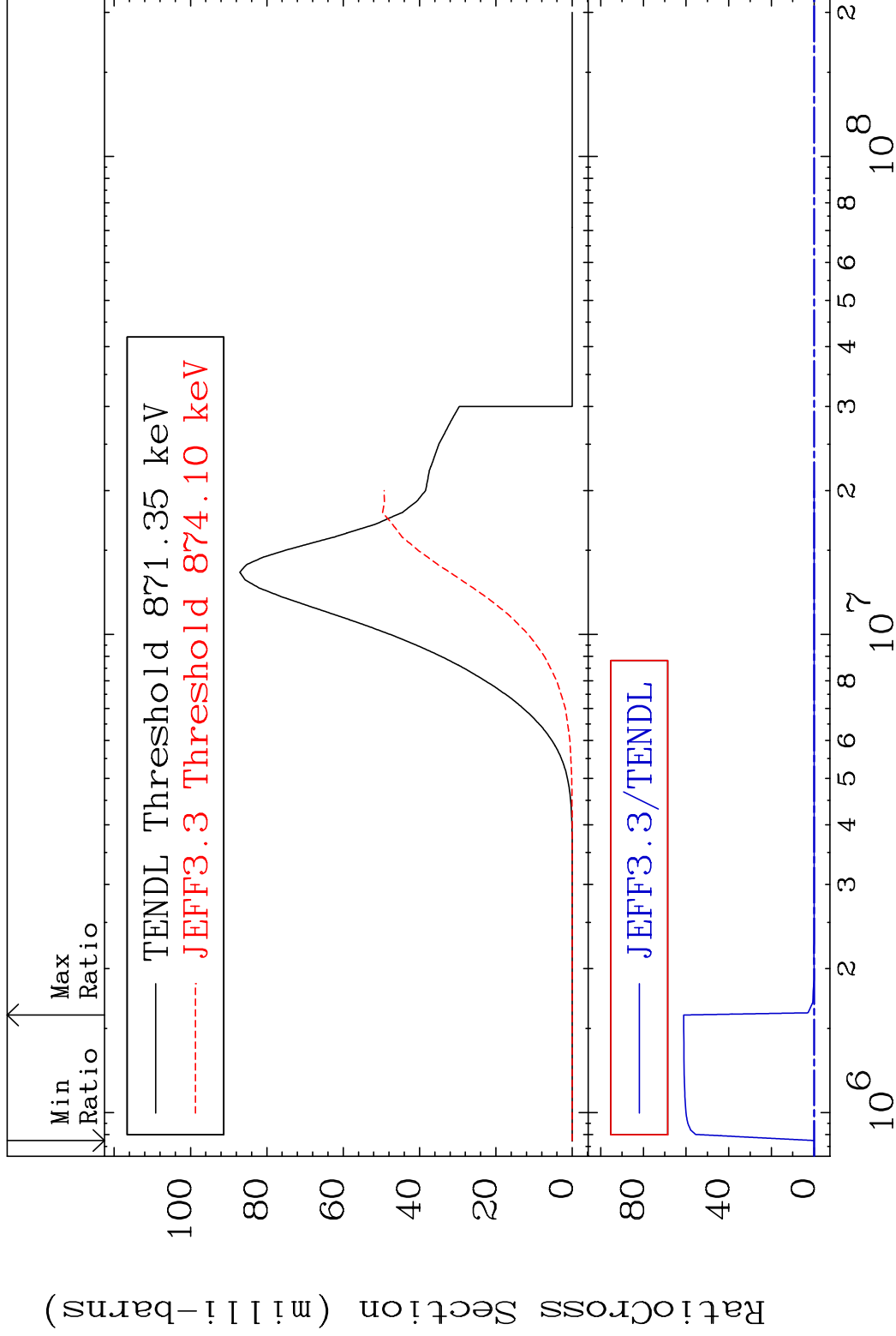
48-Cd-108

MAT 4831

(n,p)

48-Cd-108

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

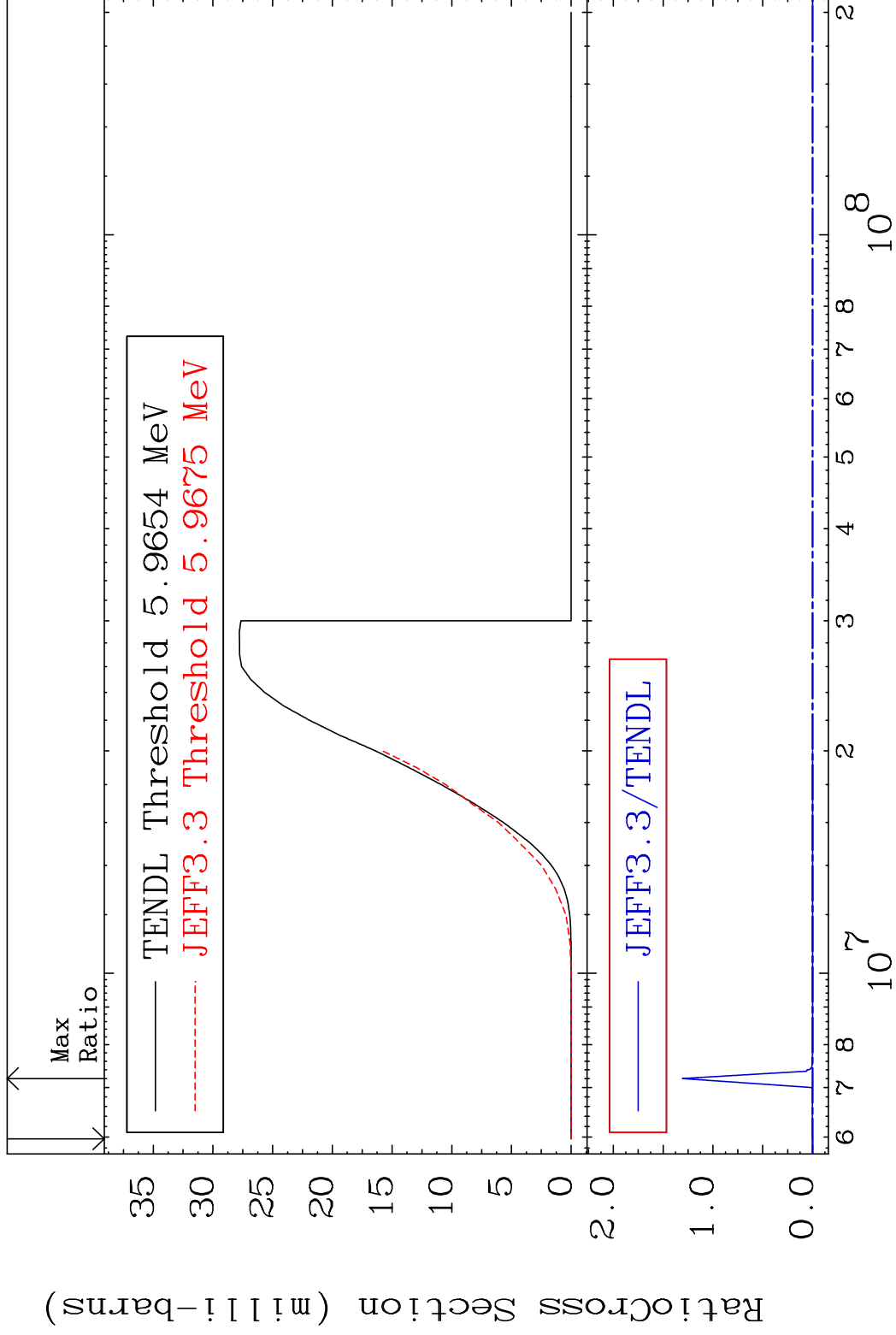
48-Cd-108

MAT 4831

(n,d)

48-Cd-108

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

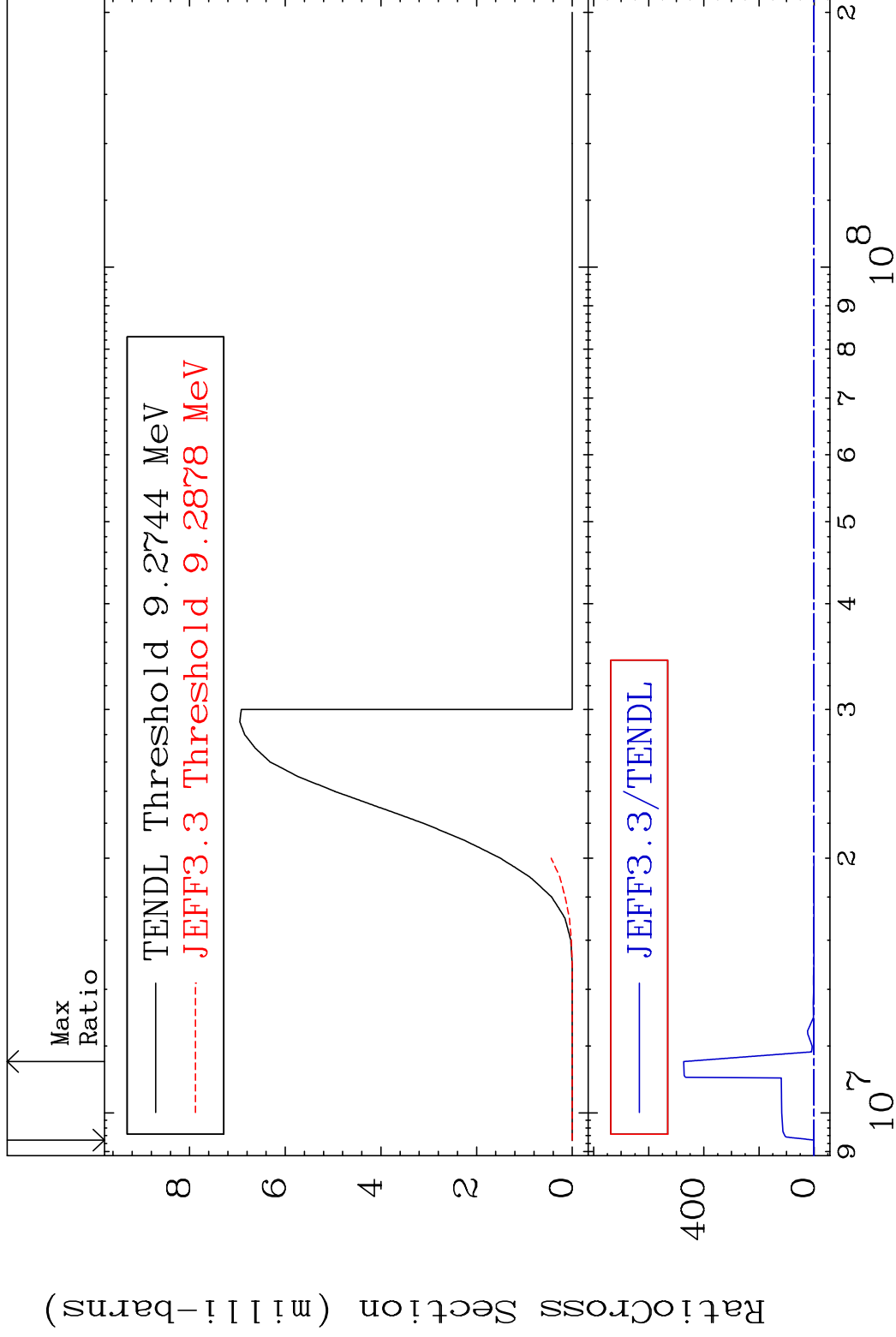
48-Cd-108

MAT 4831

(n, t)

48-Cd-108

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

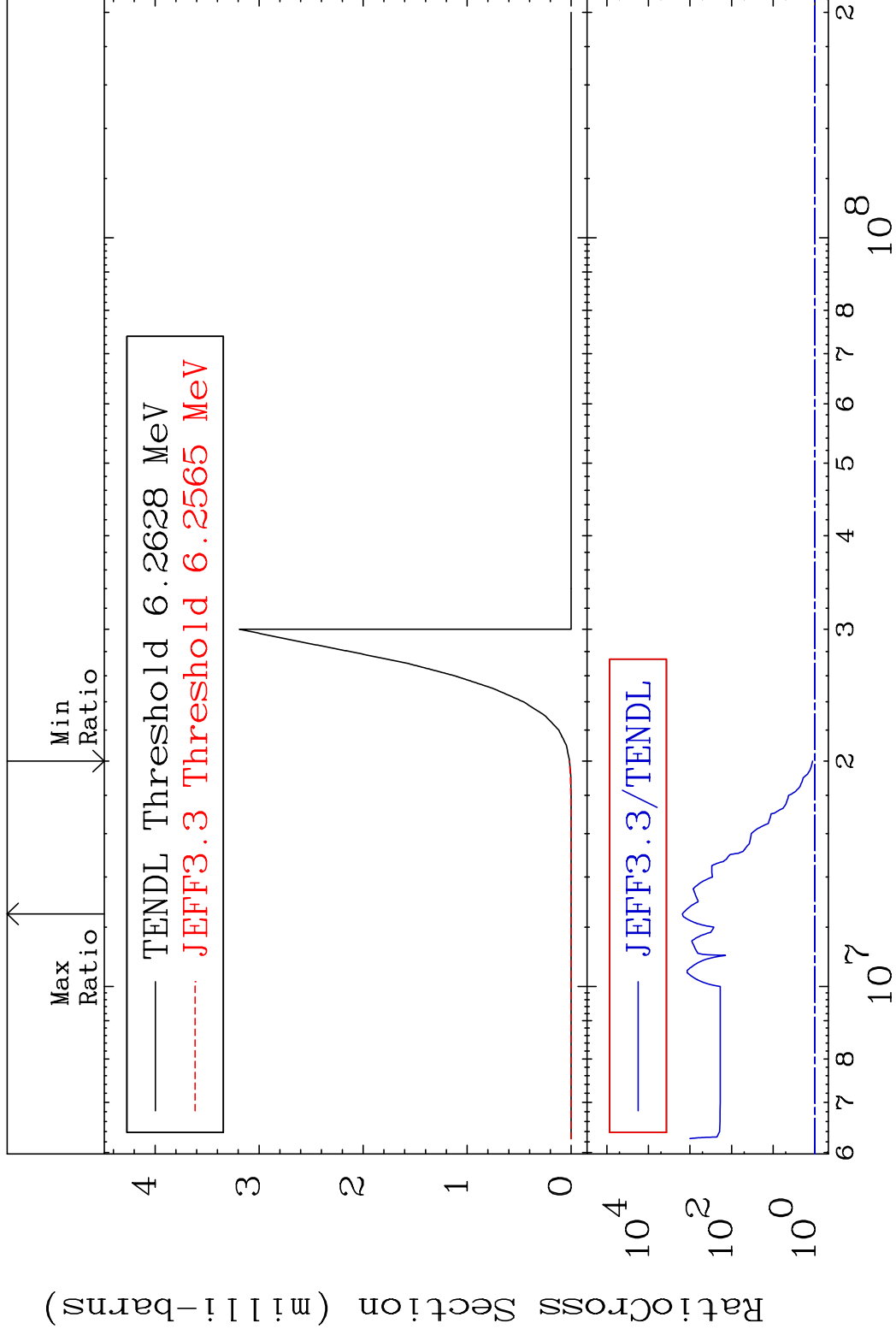
48-Cd-108

MAT 4831

(n, He-3)

48-Cd-108

Cross Section 13.49 To 9999. %



25

Incident Energy (eV)

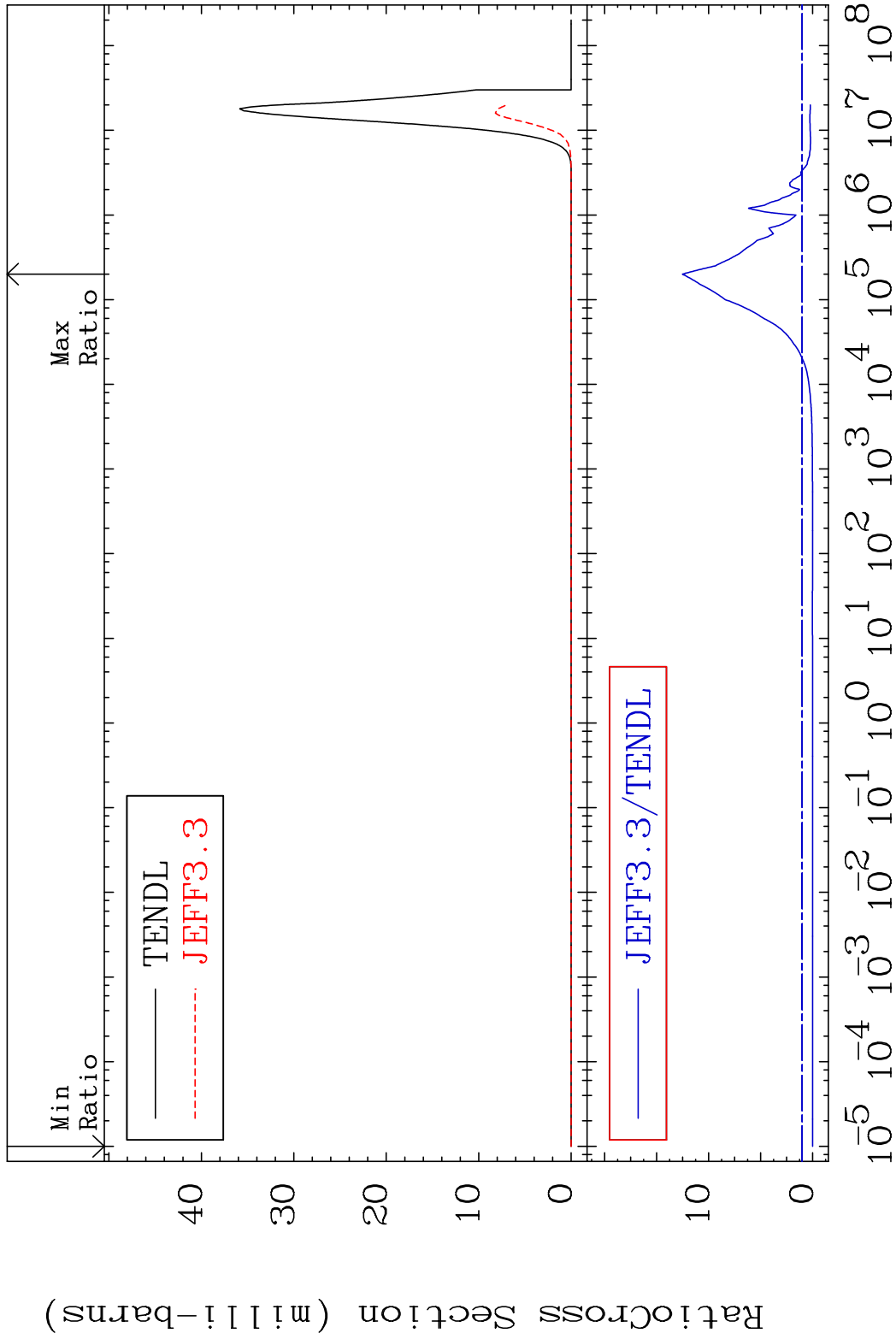
48-Cd-108

MAT 4831

(n, α)

48-Cd-108

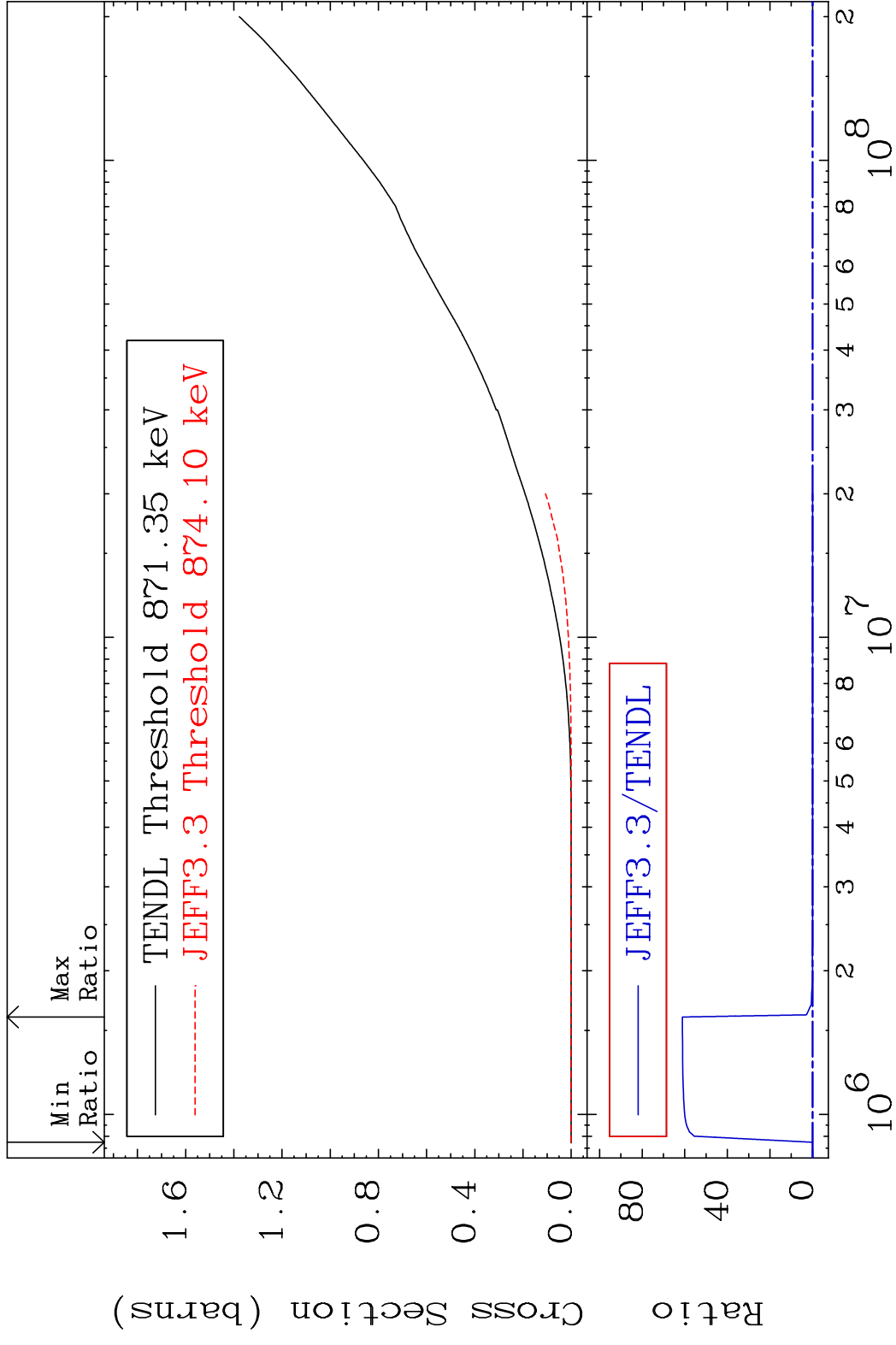
Cross Section -100.0 To 1152. %



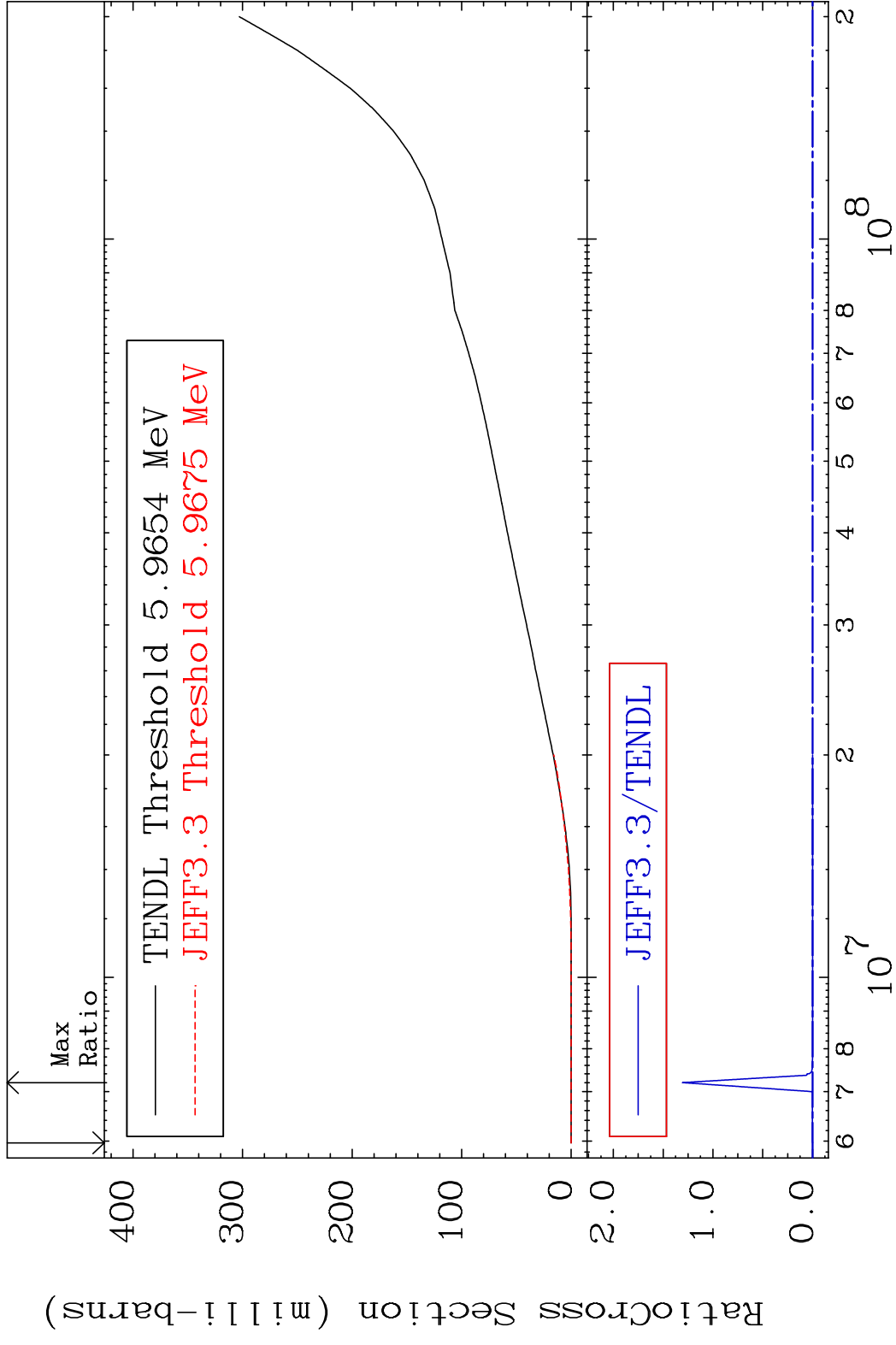
26

48-Cd-108

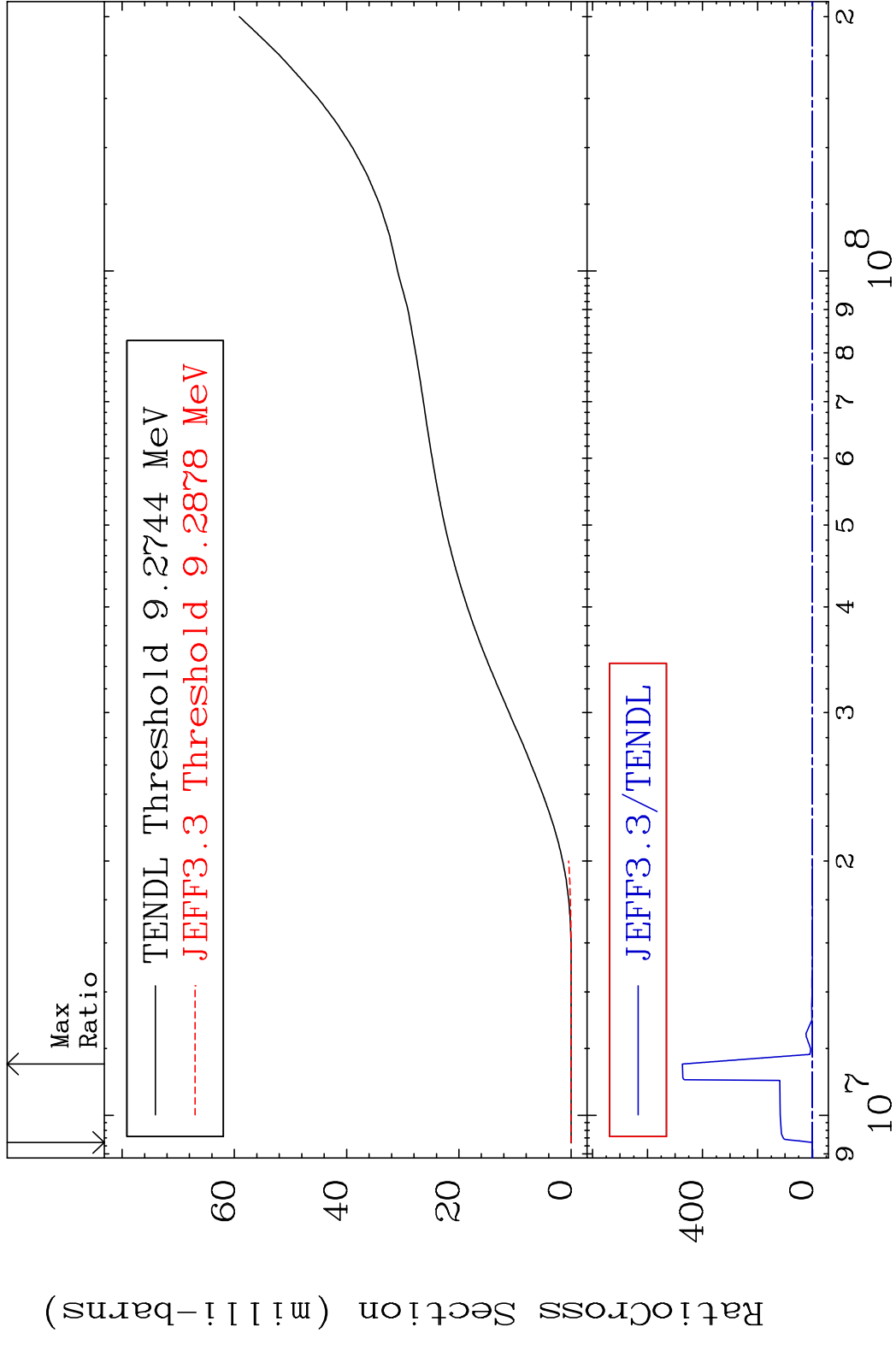
MAT 4831 Hydrogen Production 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831 Deuterium Production 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831 Tritium Production 48-Cd-108
 Cross Section -100.0 To 9999. %



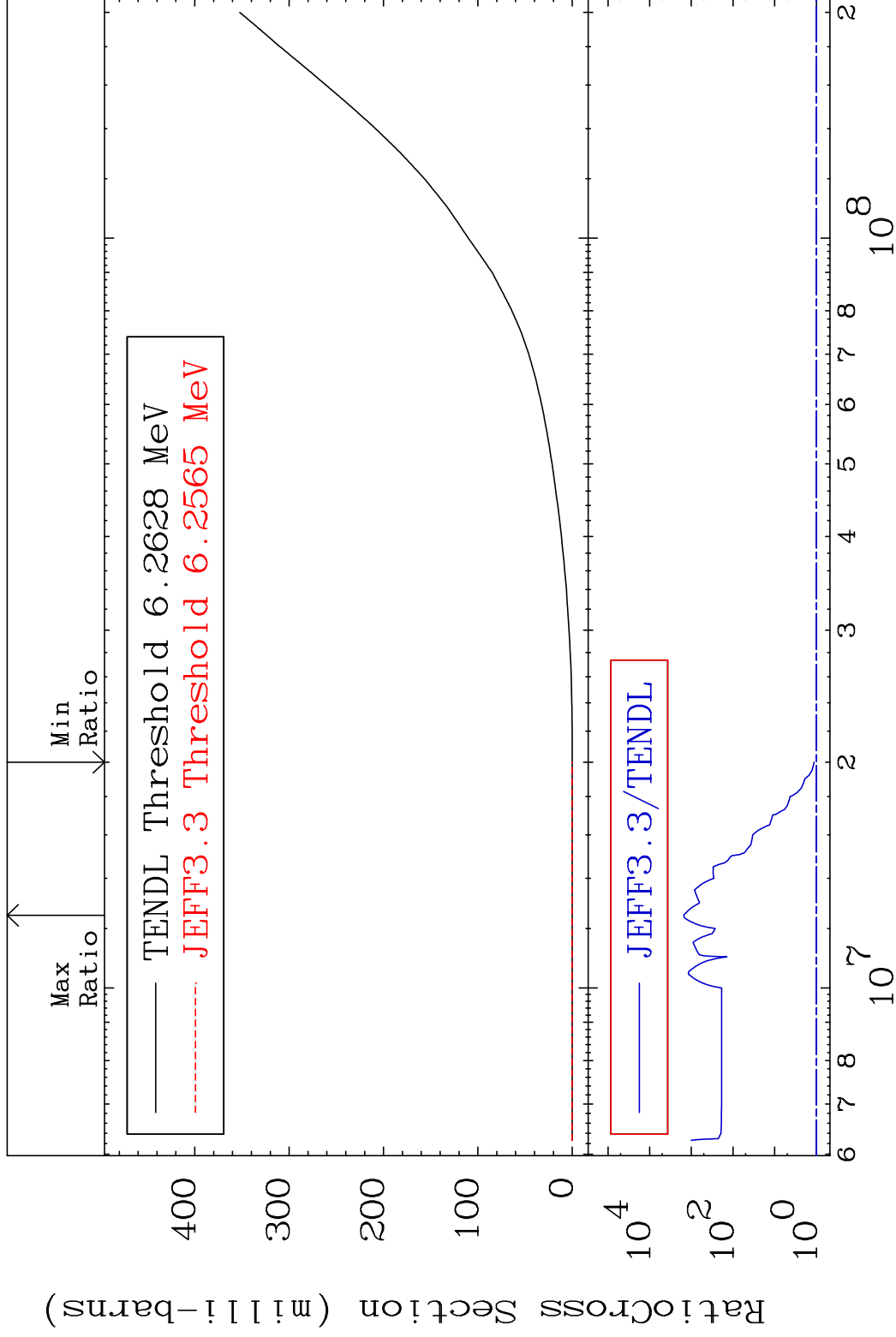
29 48-Cd-108

MAT 4831

He-3 Production

48-Cd-108

Cross Section 13.49 To 9999. %



30

Incident Energy (eV)

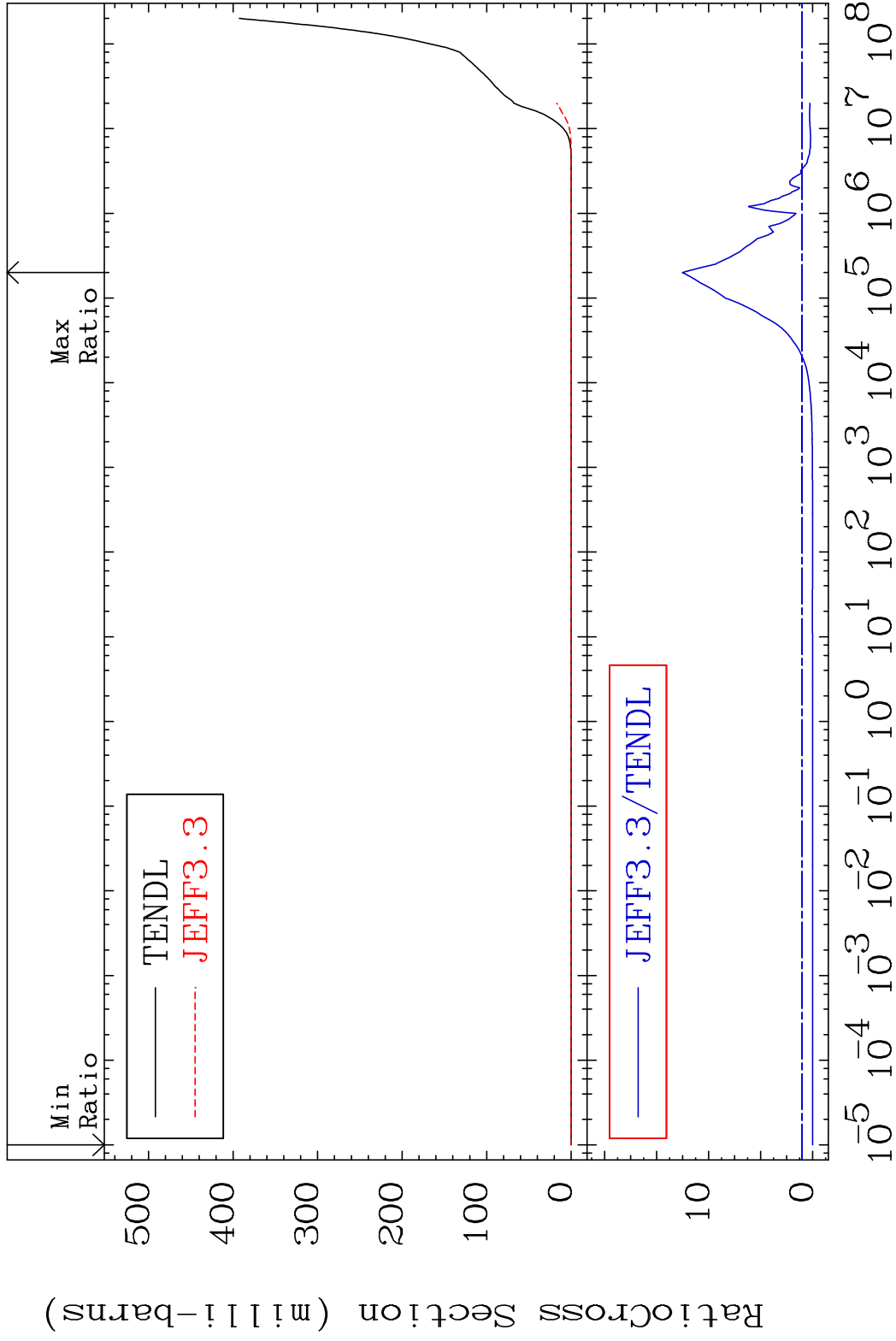
48-Cd-108

MAT 4831

He-4 Production

48-Cd-108

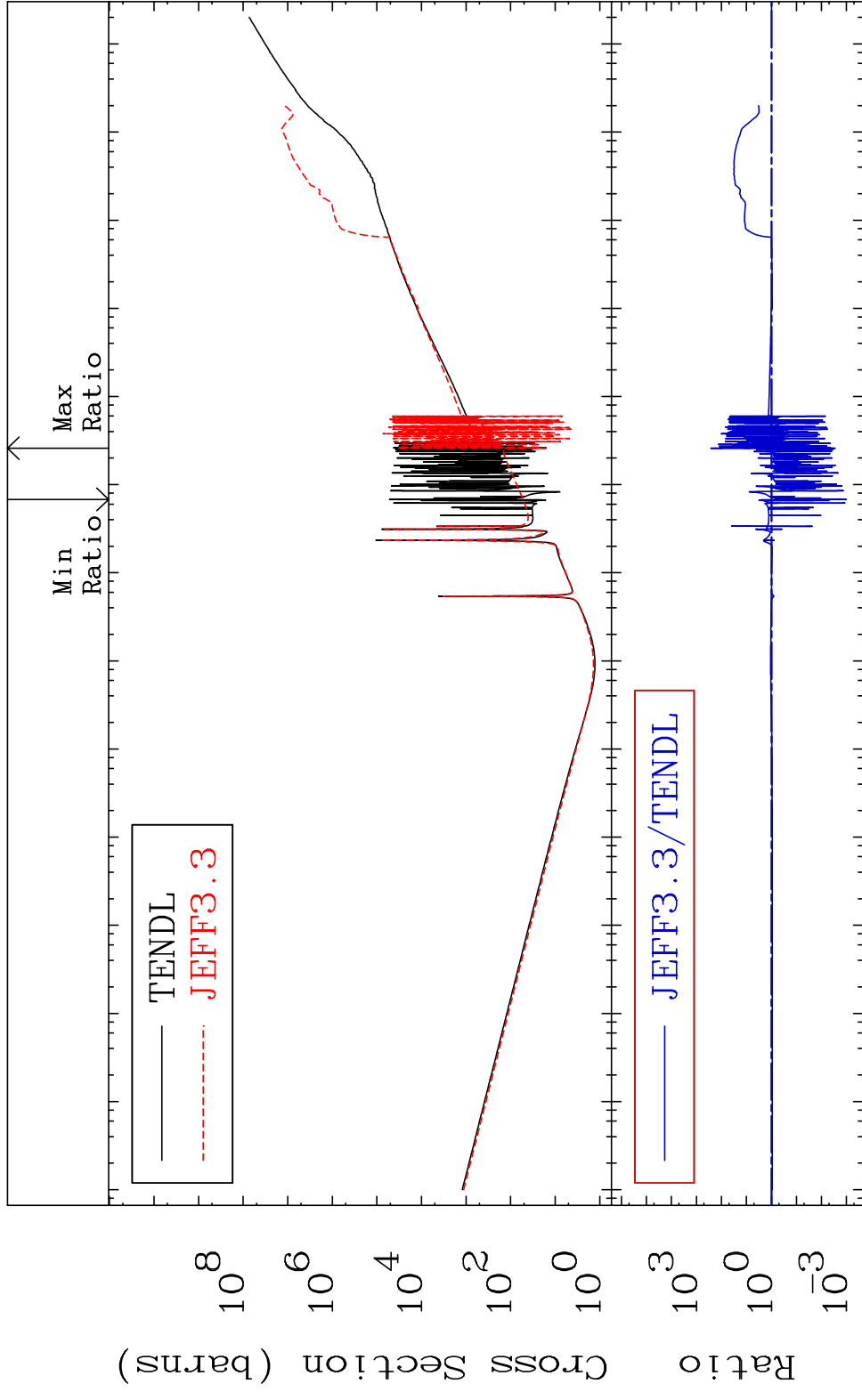
Cross Section -100.0 To 1152. %



31

48-Cd-108

MAT 4831 Kerma total (eV-barns) 48-Cd-108
 Cross Section -99.90 To 9999. %



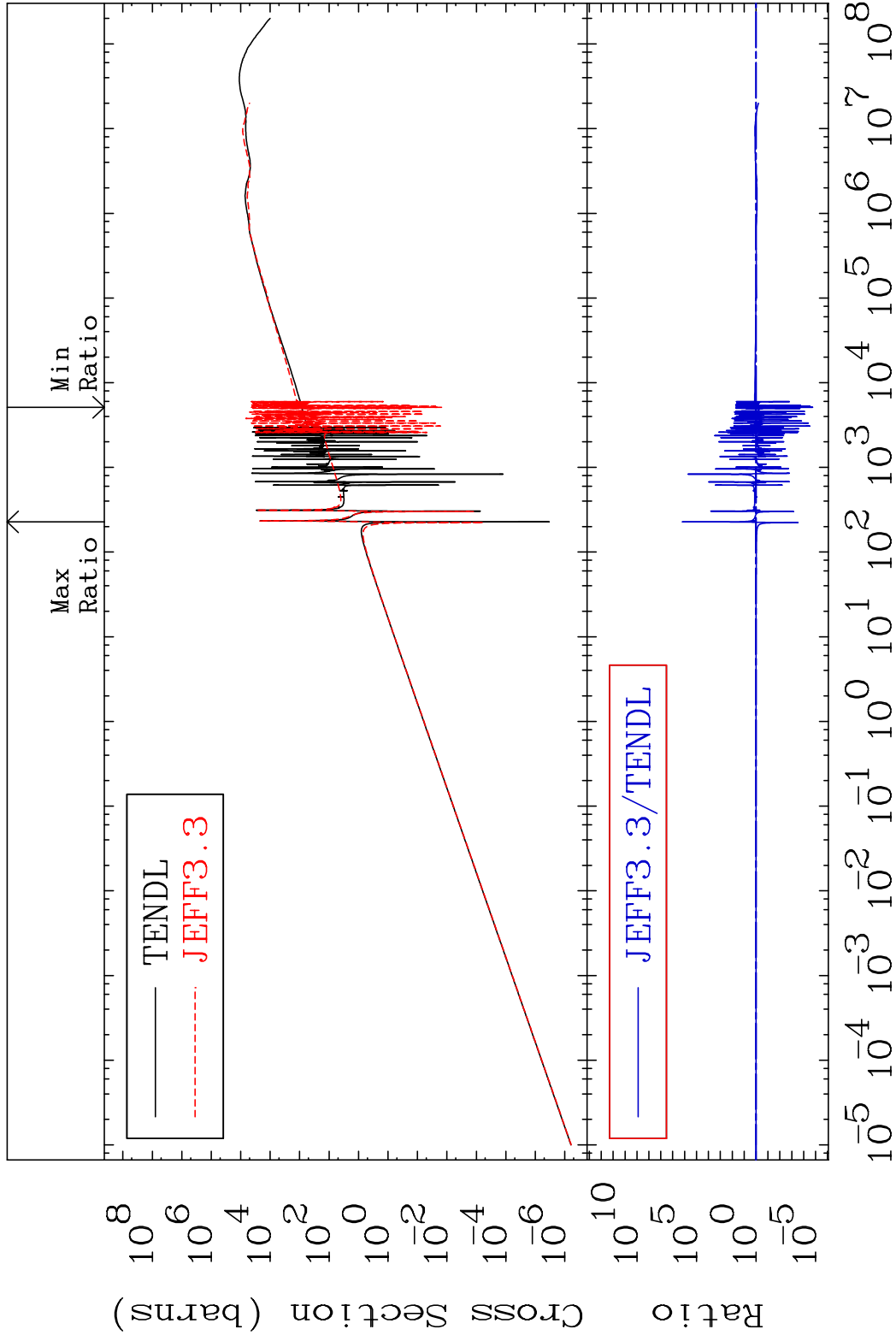
32 Incident Energy (eV) 48-Cd-108

MAT 4831

Kerma elastic

48-Cd-108

Cross Section -100.0 To 9999. %

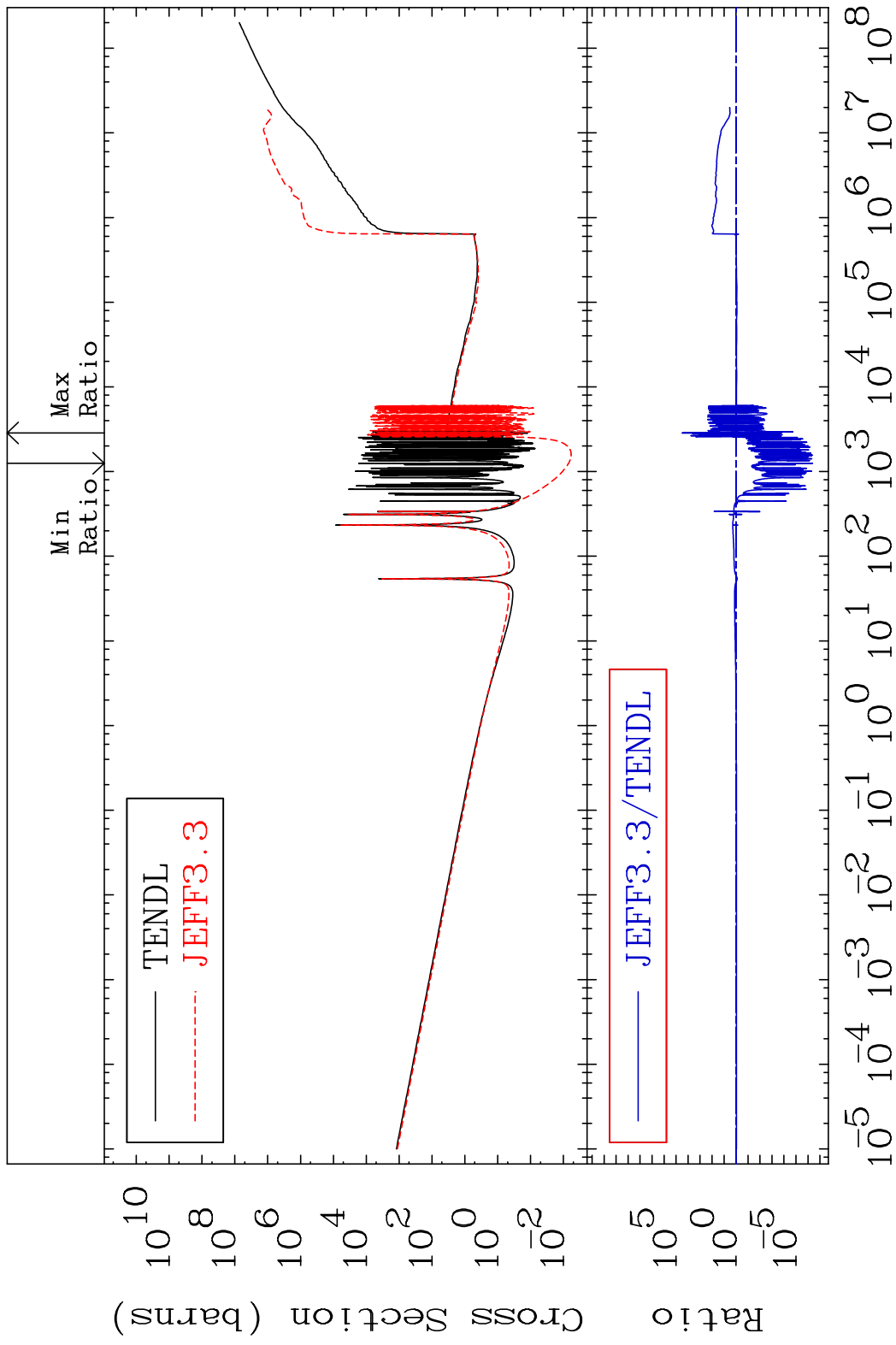


Cross Section (barns)
Ratio

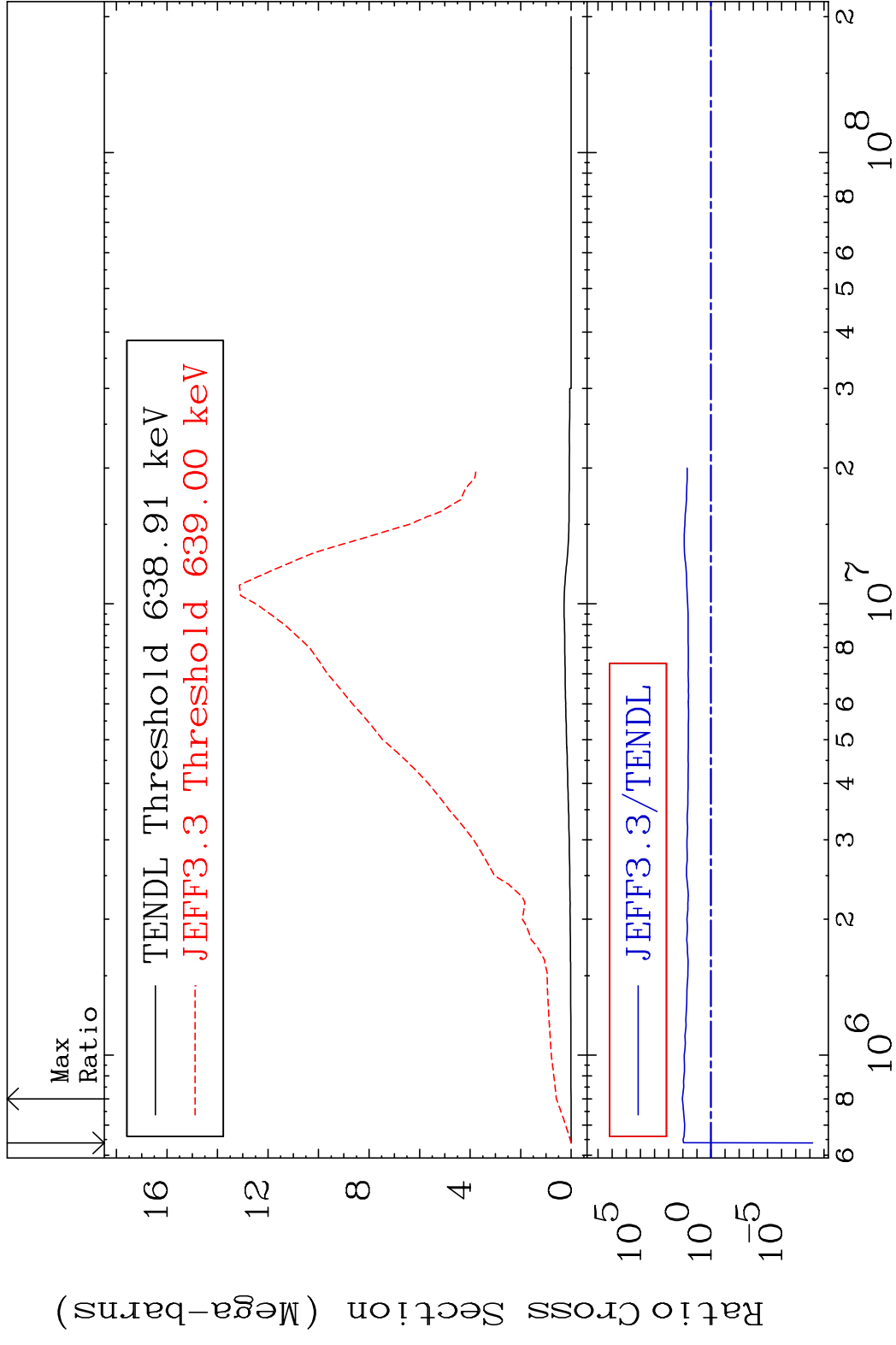
TENDL
JEFF3.3

JEFF3.3/TENDL

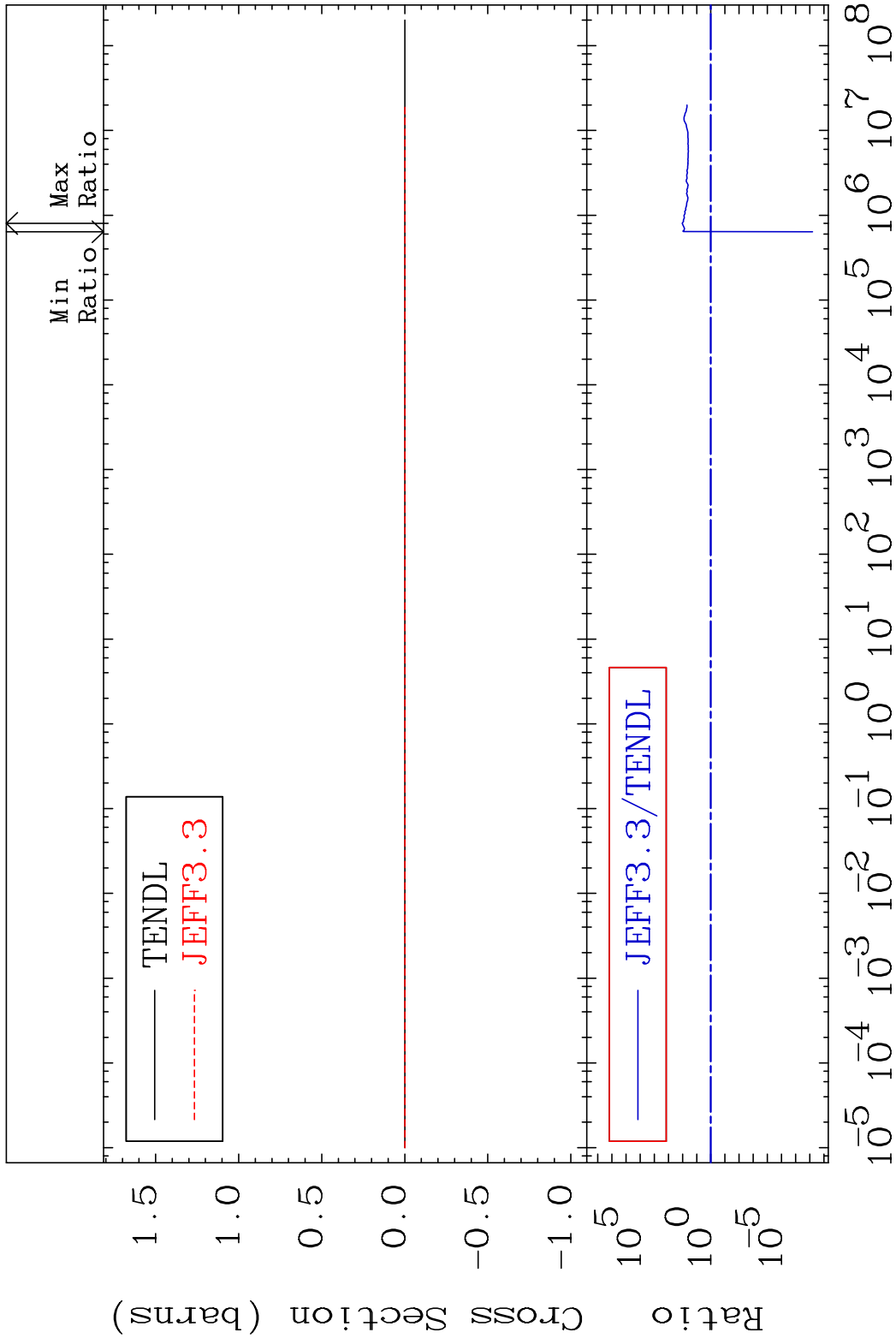
MAT 4831 Kerma non-elastic (all but mt2) 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831 Kerma inelastic (mt51-91) 48-Cd-108
 Cross Section -100.0 To 9999. %



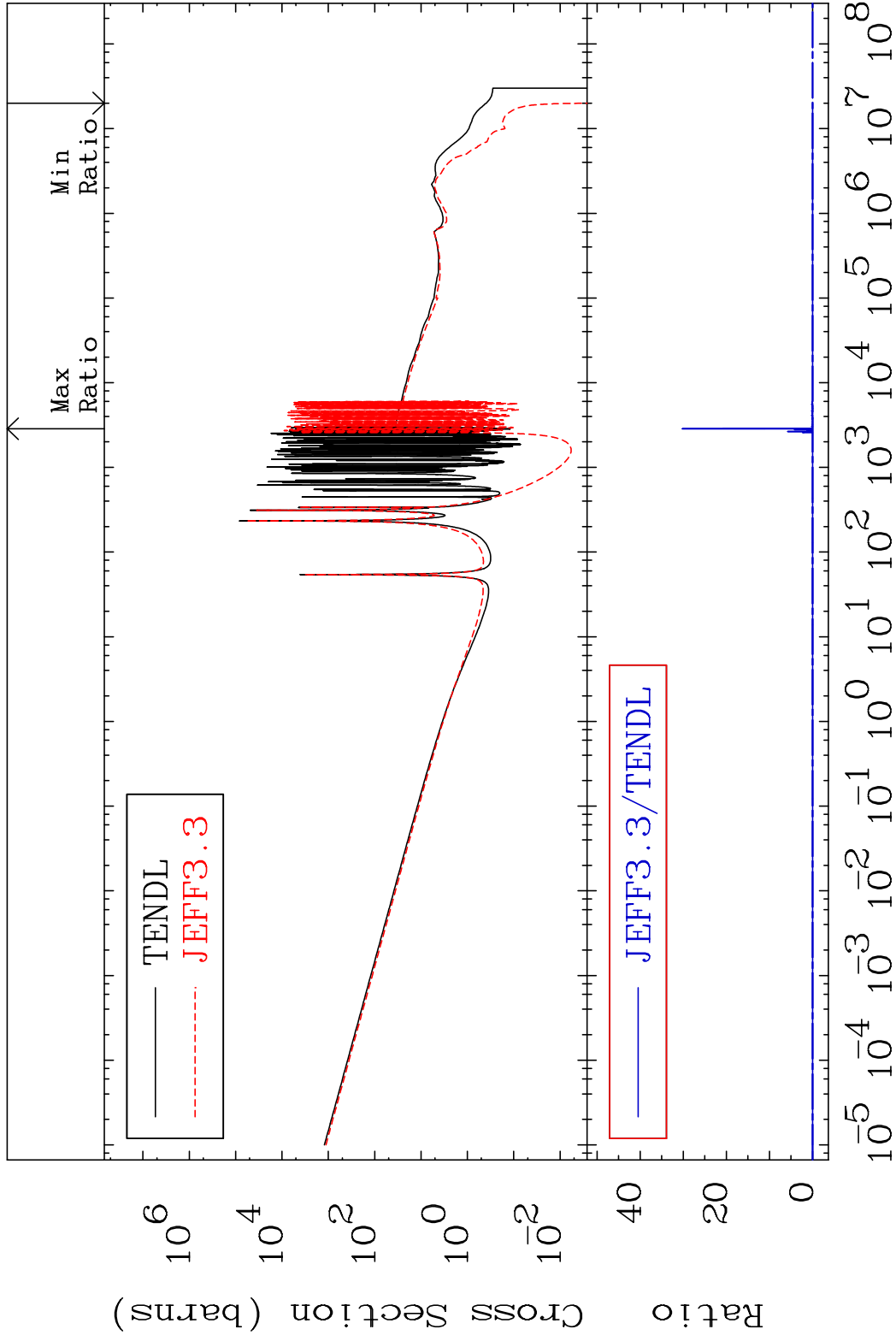
MAT 4831 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831

Kerma capture (mt102) 48-Cd-108

Cross Section -100.0 To 9999. %

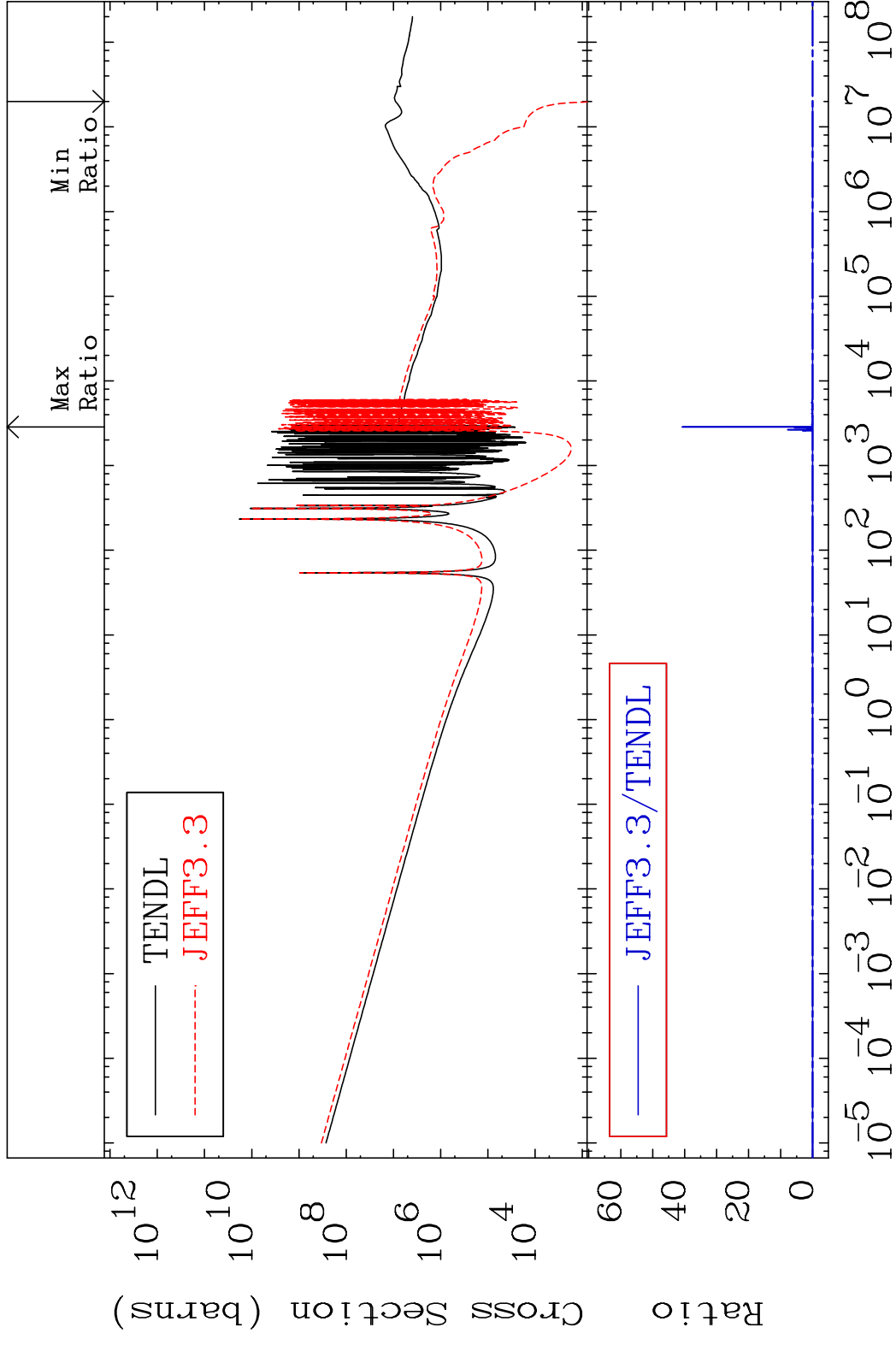


37

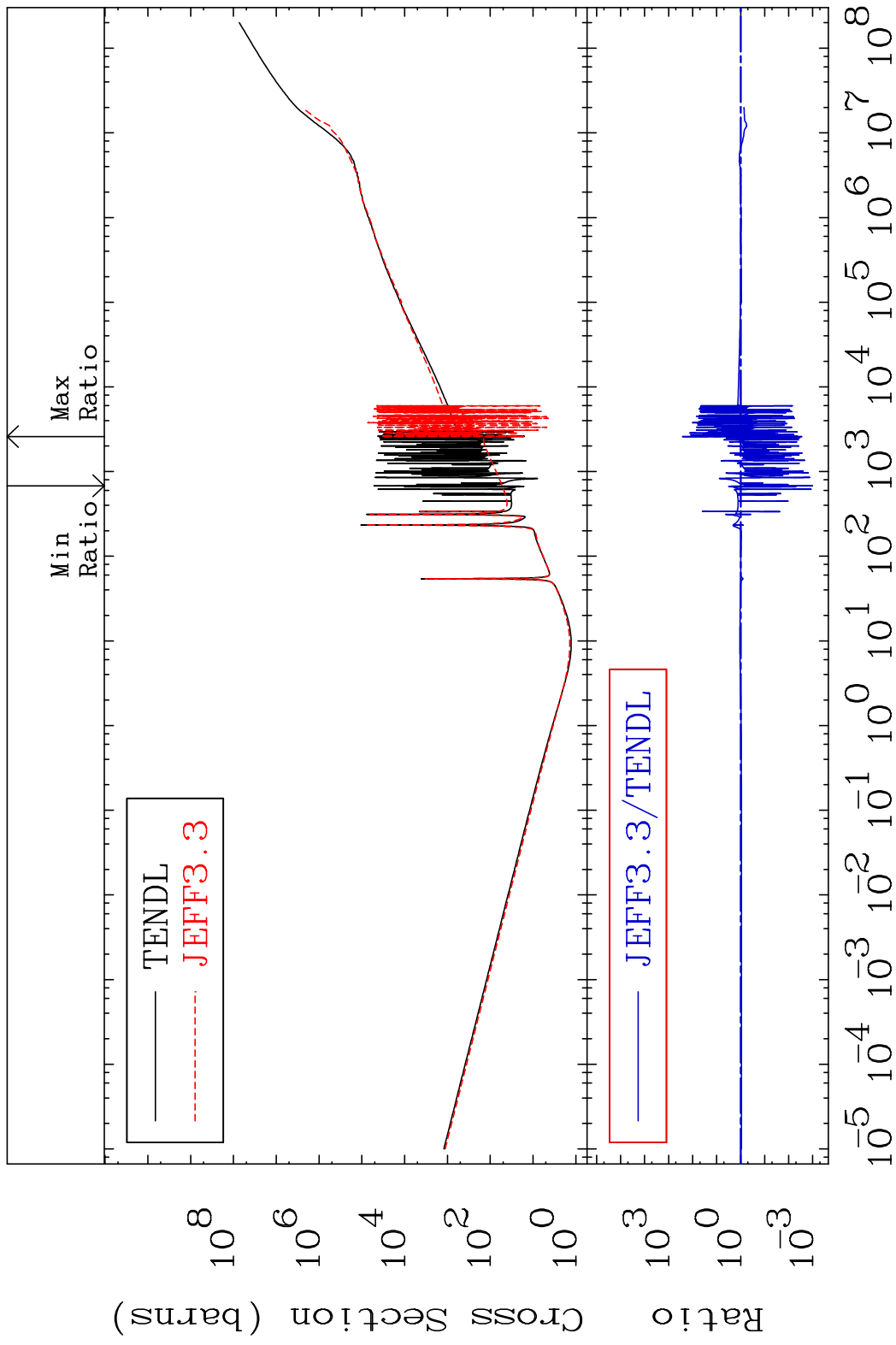
Incident Energy (eV)

48-Cd-108

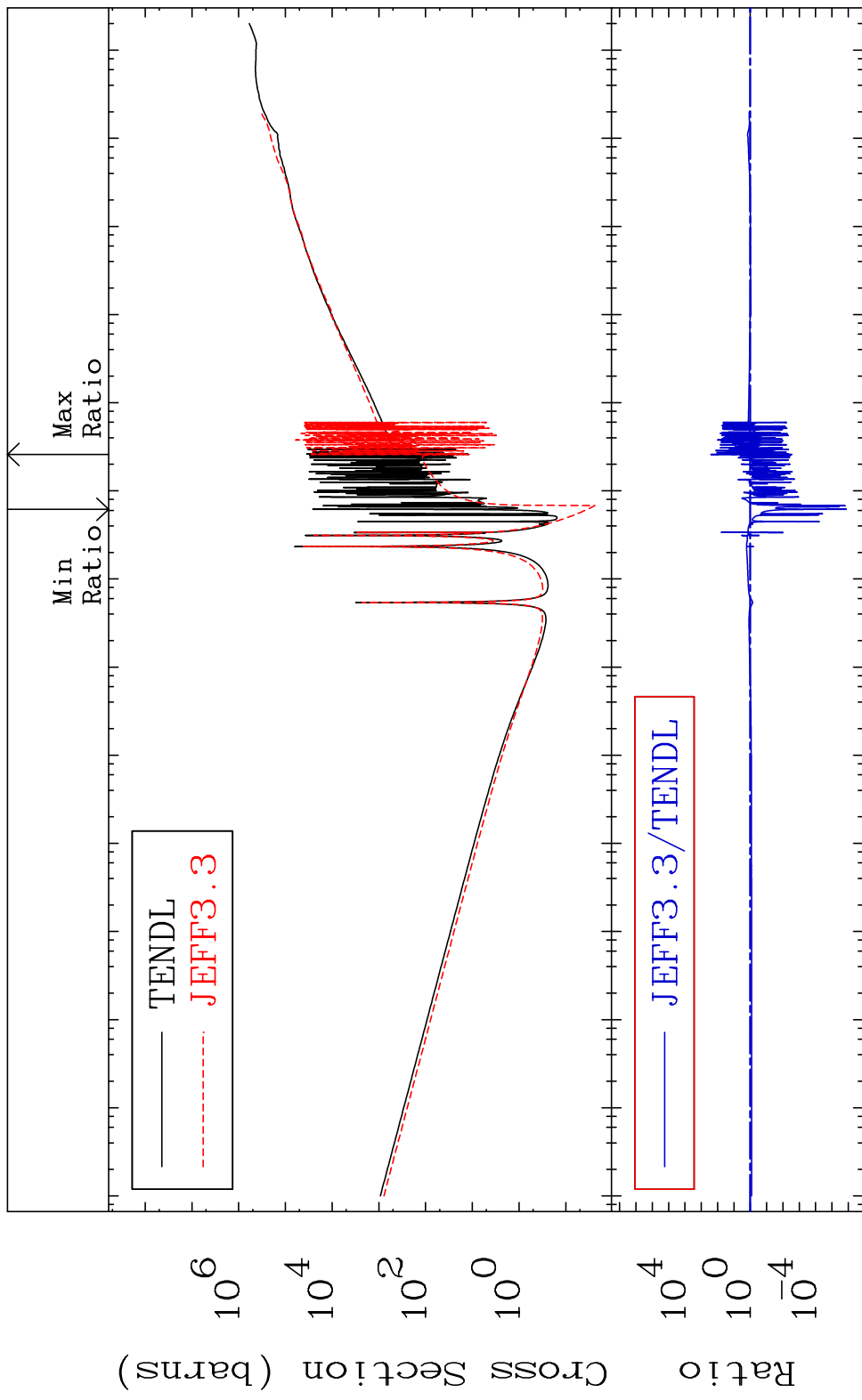
MAT 4831 Total photon (eV-barns) 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831 Total kinematic kerma (high limit) 48-Cd-108
 Cross Section -99.90 To 9999. %



MAT 4831 Dpa total (eV-barns) 48-Cd-108
 Cross Section -100.0 To 9999. %



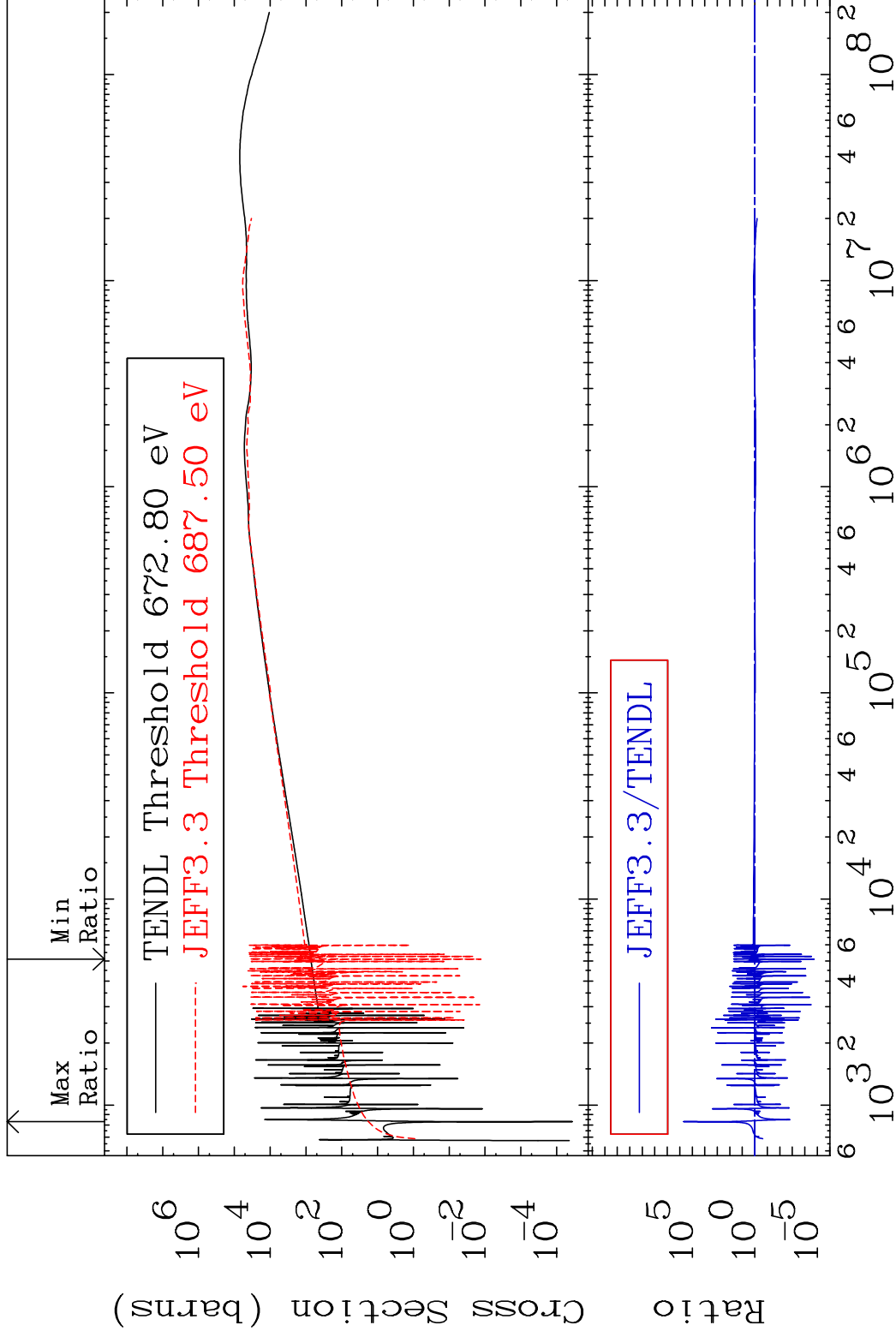
Ratio
 10⁴
 10⁰
 10⁻⁴
 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV) 48-Cd-108

MAT 4831

Dpa elastic (mt2)

48-Cd-108

Cross Section -100.0 To 9999. %

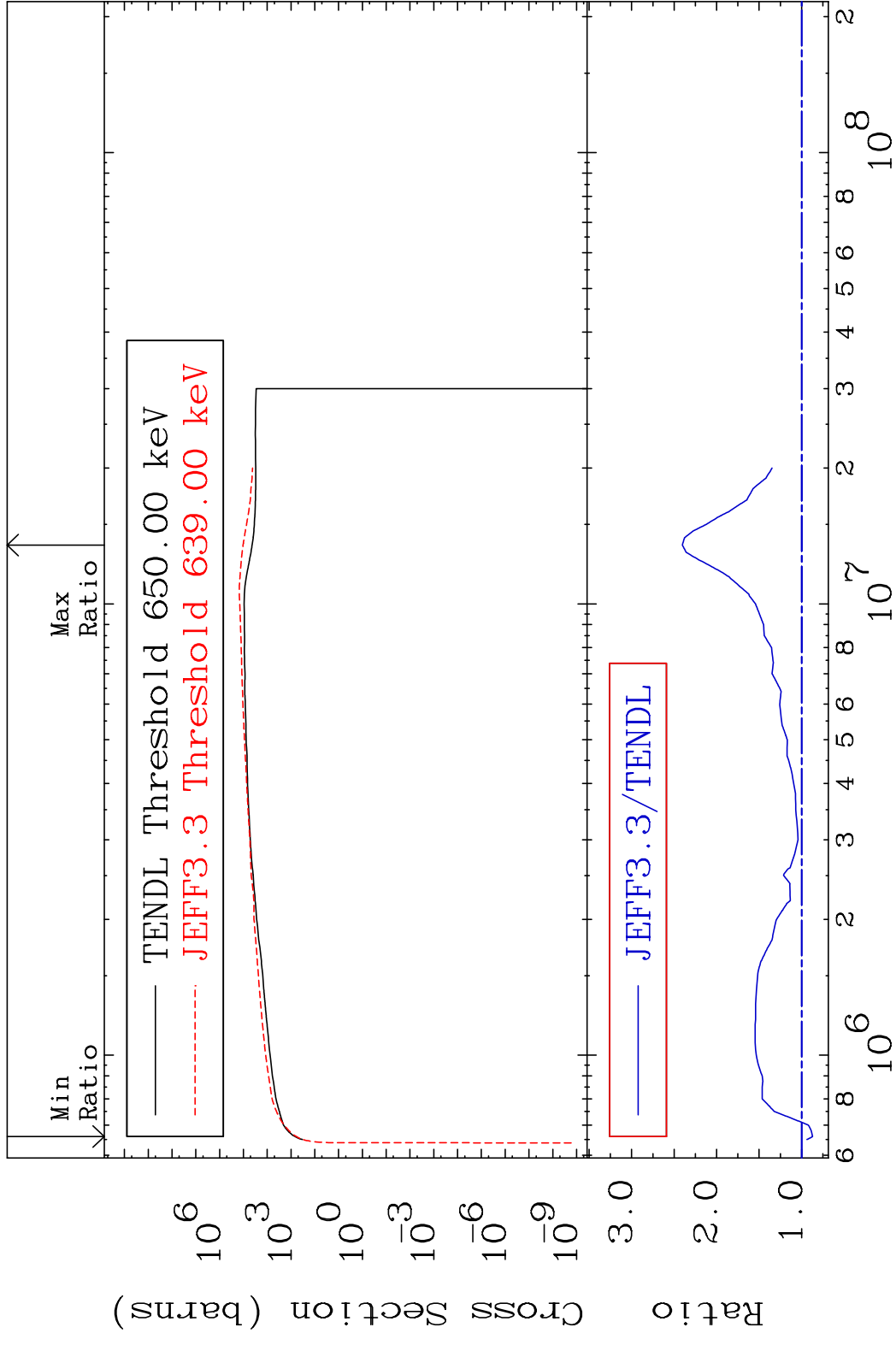


41

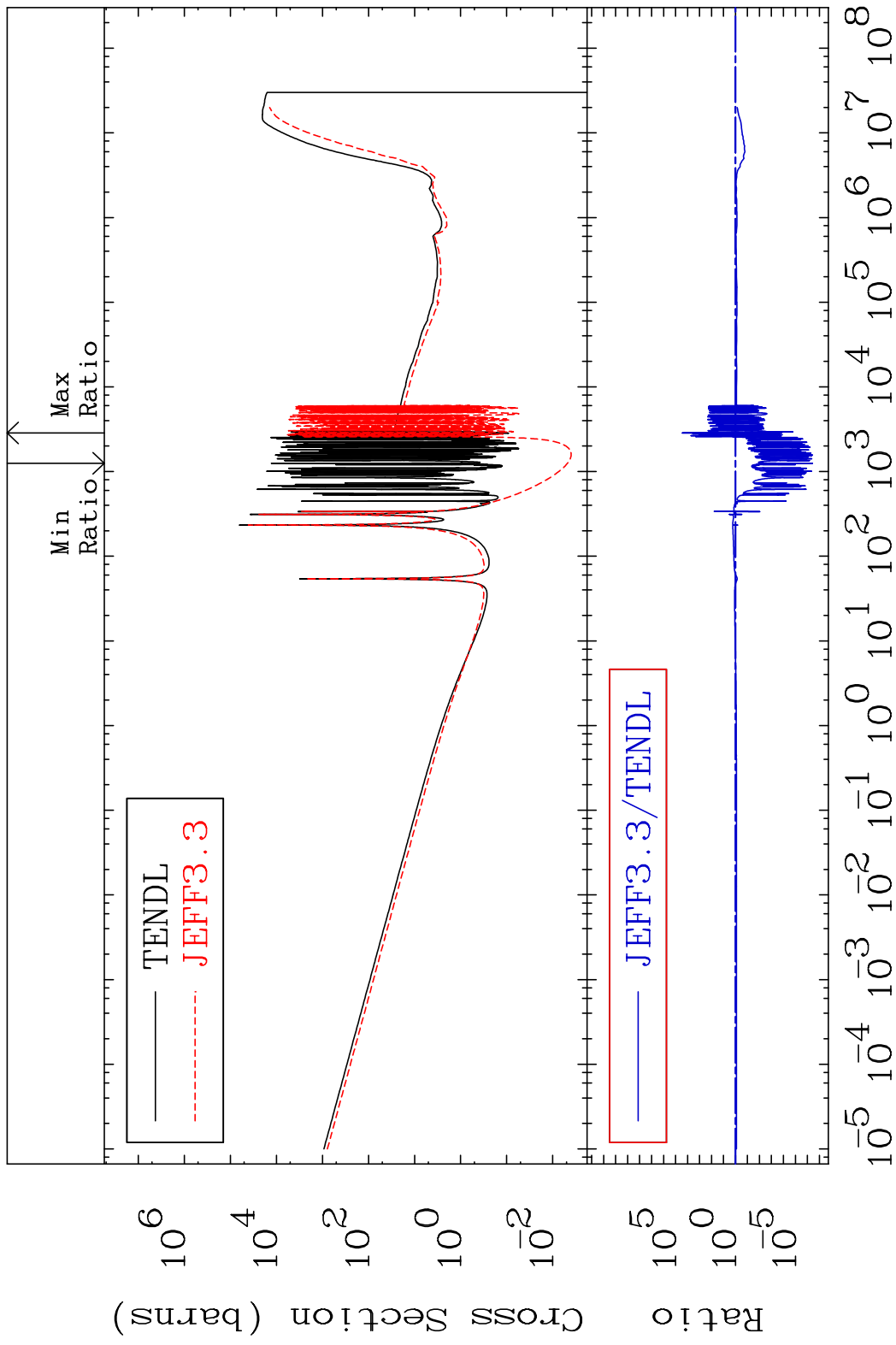
Incident Energy (eV)

48-Cd-108

MAT 4831 Dpa inelastic (mt51-91) 48-Cd-108
 Cross Section -12.87 To 140.3 %



MAT 4831 Dpa disappearance (mt102 -120) 48-Cd-108
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 48-Cd-108