

Program Complot
(Version 2021-1)

by

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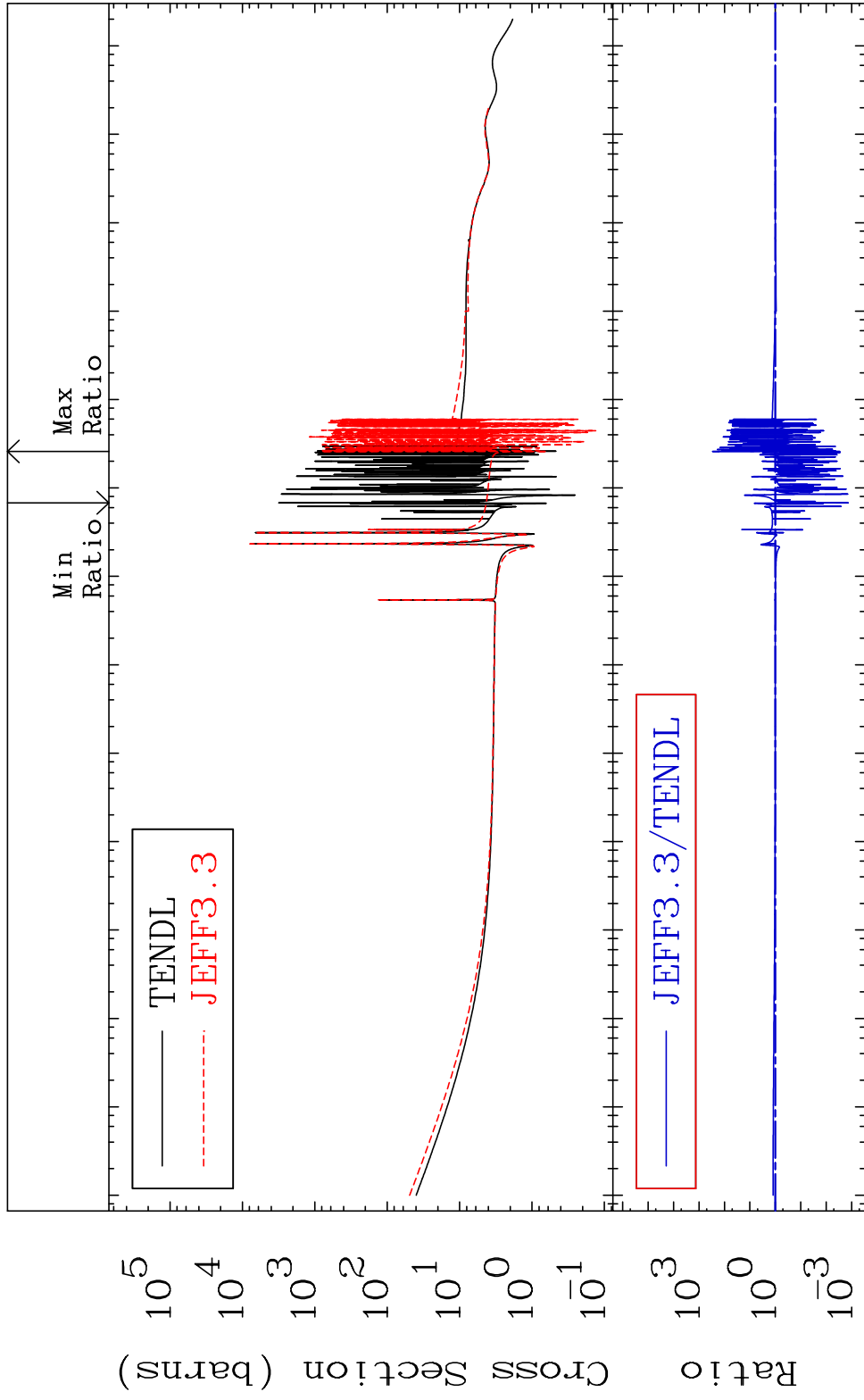
Press Mouse Button to Start

MAT 4831

Total

48-Cd-108

Cross Section -99.86 To 9999. %



1

Incident Energy (eV)

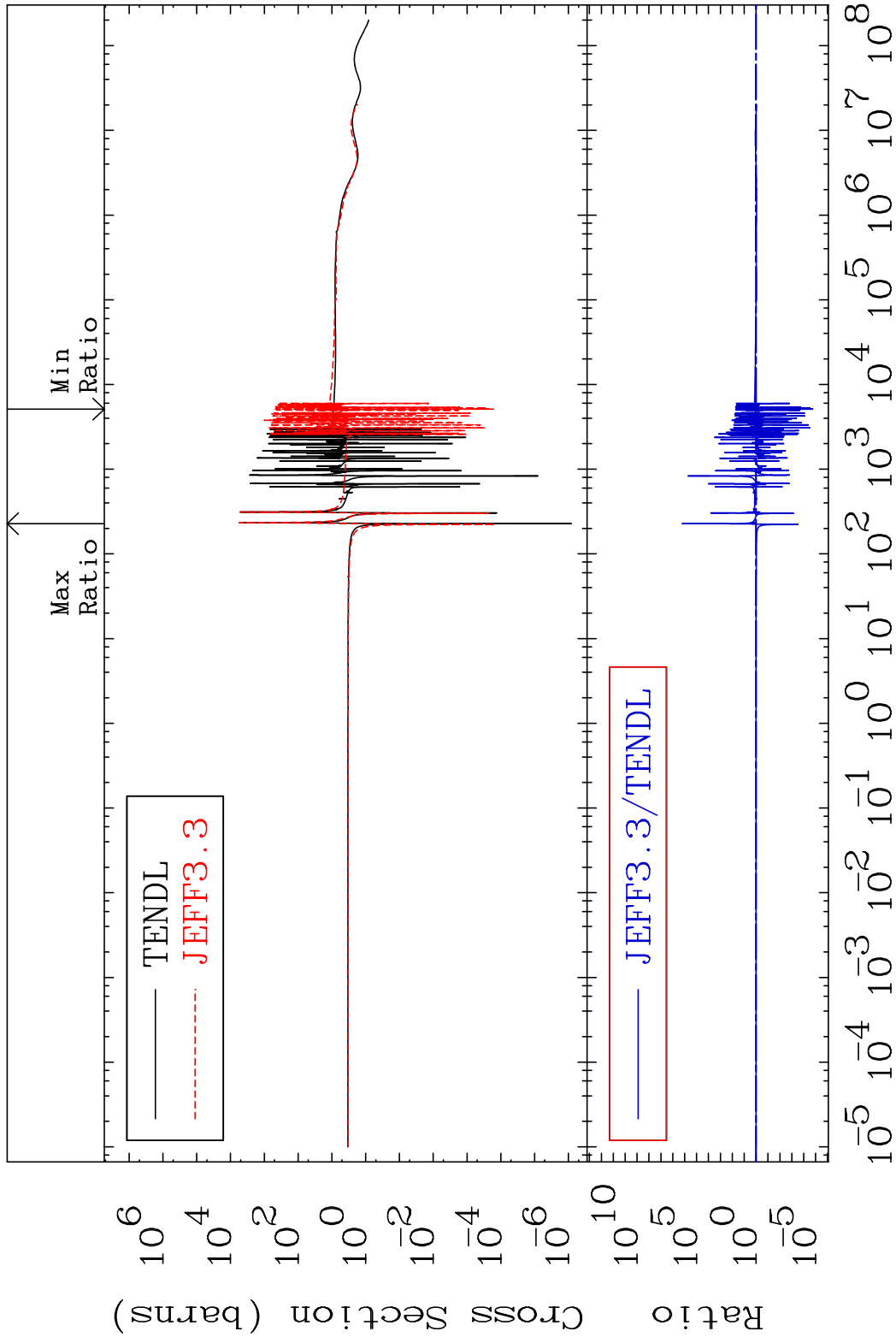
48-Cd-108

MAT 4831

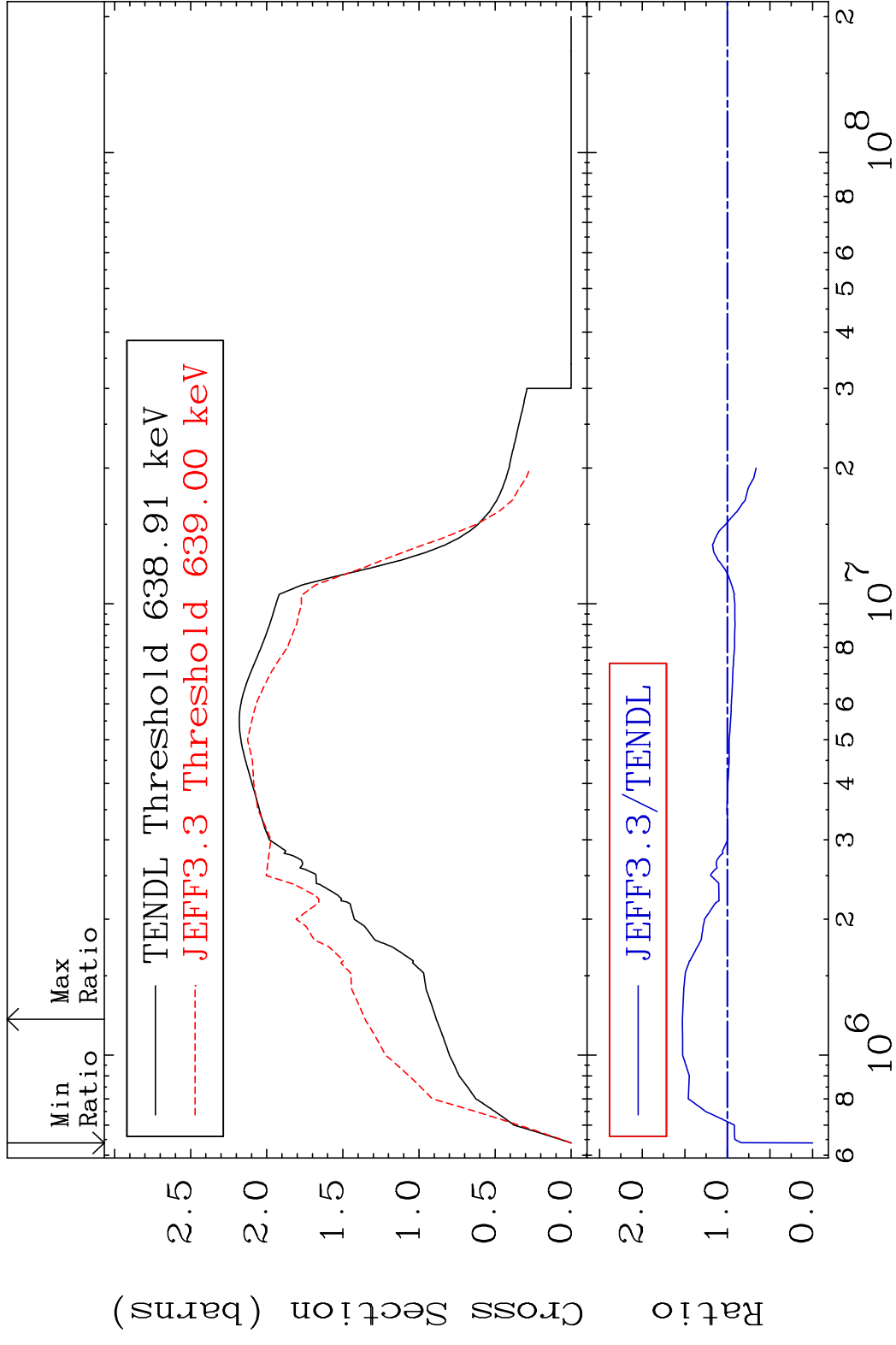
Elastic

48-Cd-108

Cross Section -100.0 To 9999. %



MAT 4831 Inelastic 48-Cd-108
 Cross Section -100.0 To 52.88 %



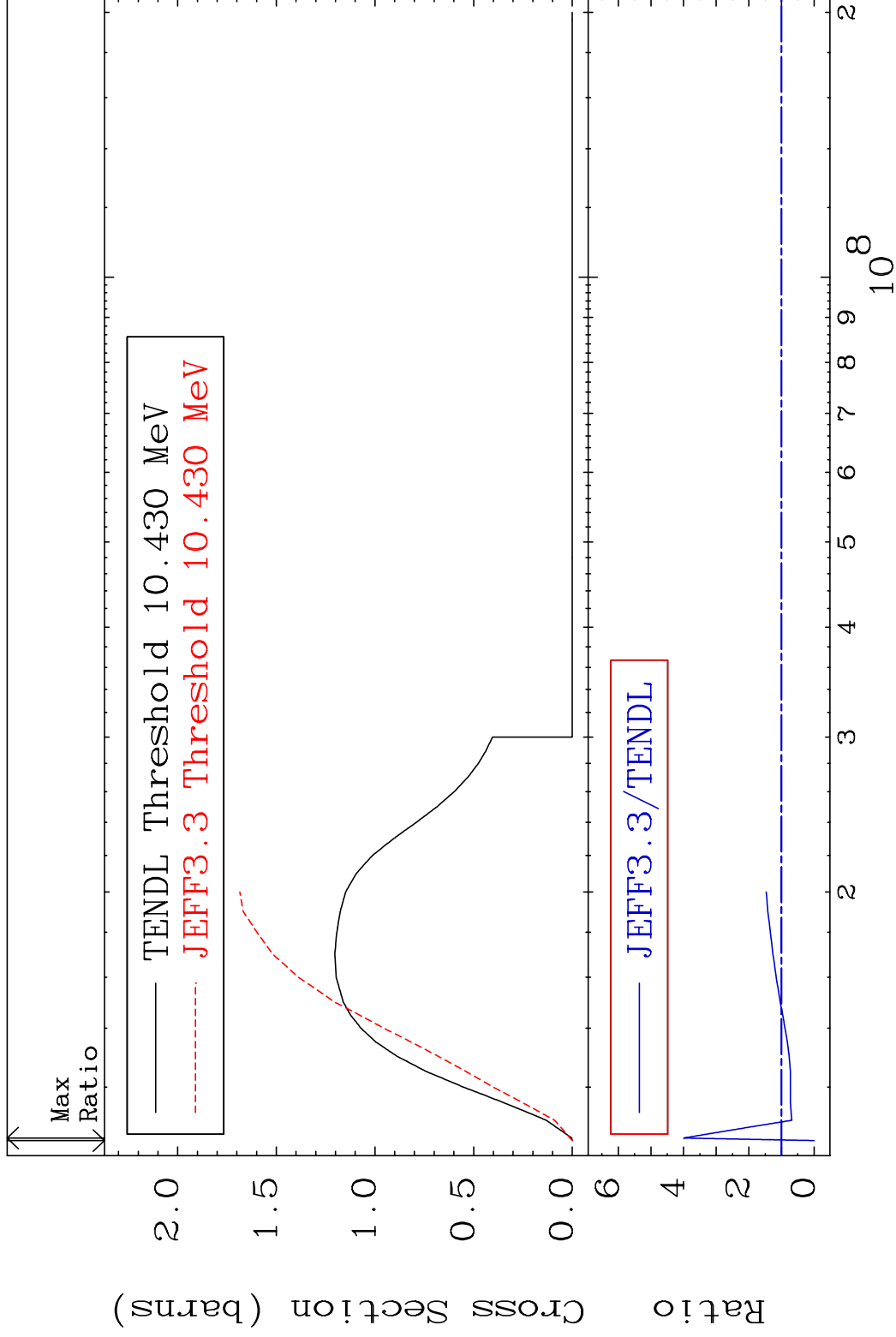
3 Incident Energy (eV) 48-Cd-108

MAT 4831

(n,2n)

48-Cd-108

Cross Section -100.0 To 299.7 %



4

Incident Energy (eV)

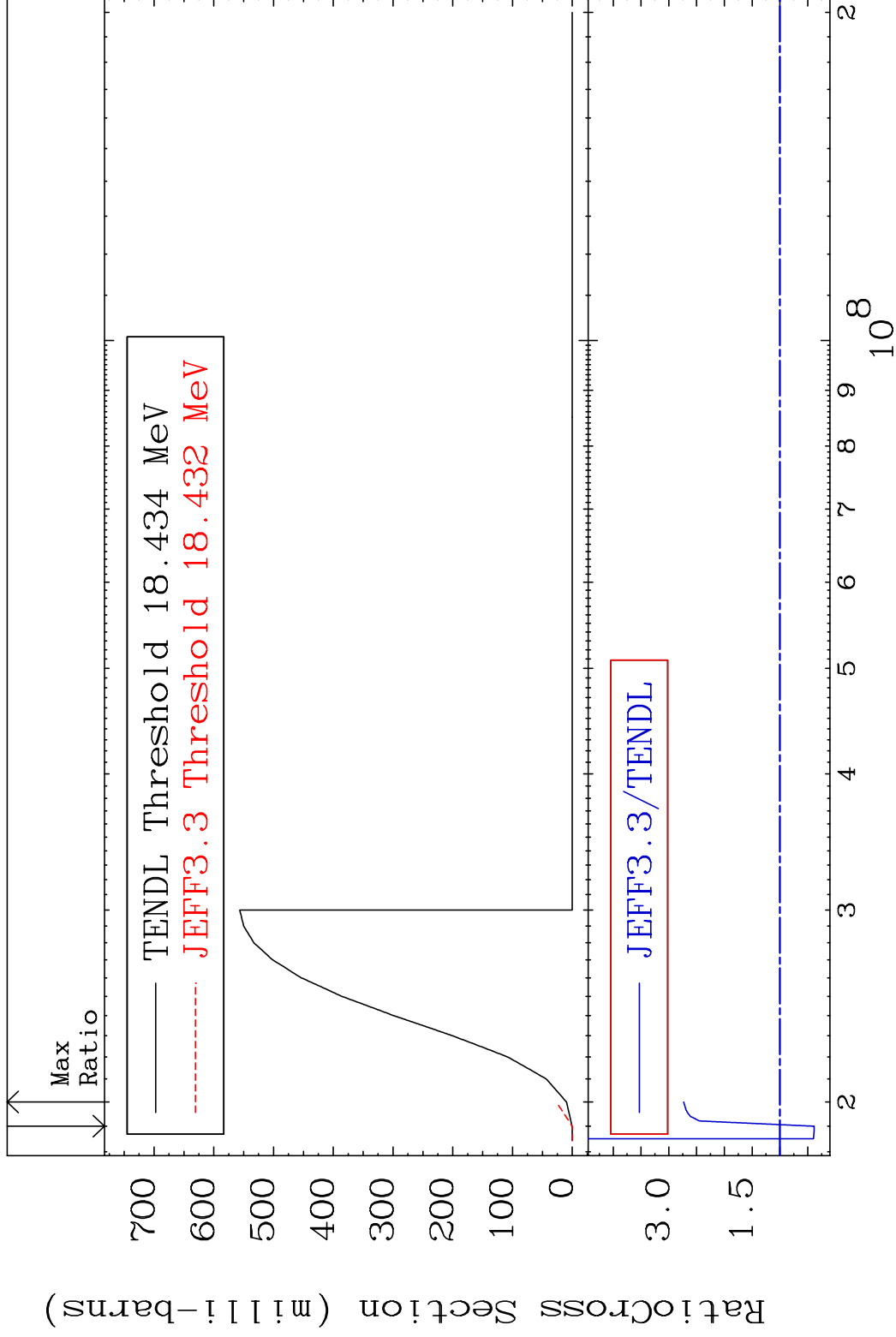
48-Cd-108

MAT 4831

(n,3n)

48-Cd-108

Cross Section -61.47 To 173.3 %



5

Incident Energy (eV)

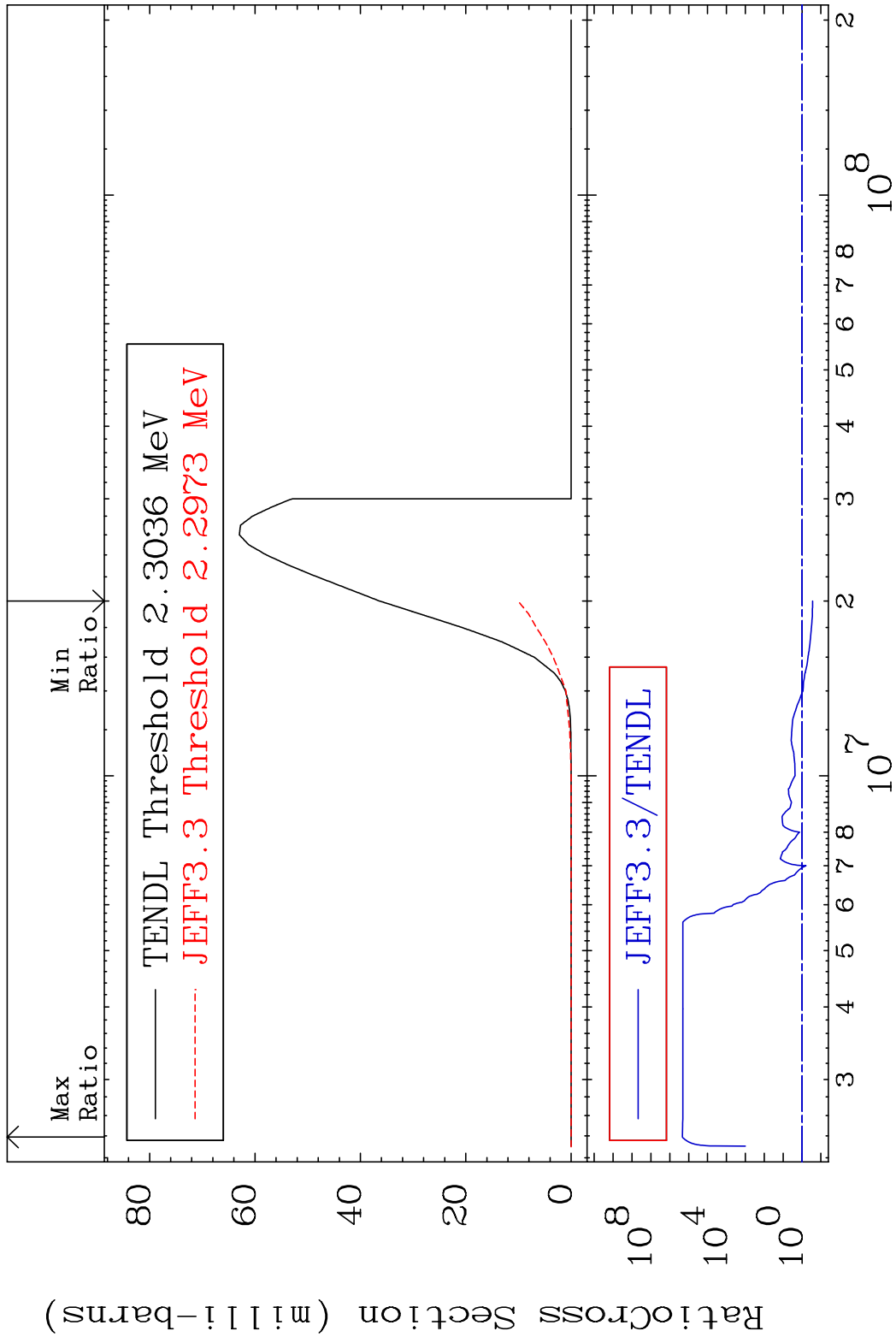
48-Cd-108

MAT 4831

(n, n') α

48-Cd-108

Cross Section -72.26 To 9999. %



6

Incident Energy (eV)

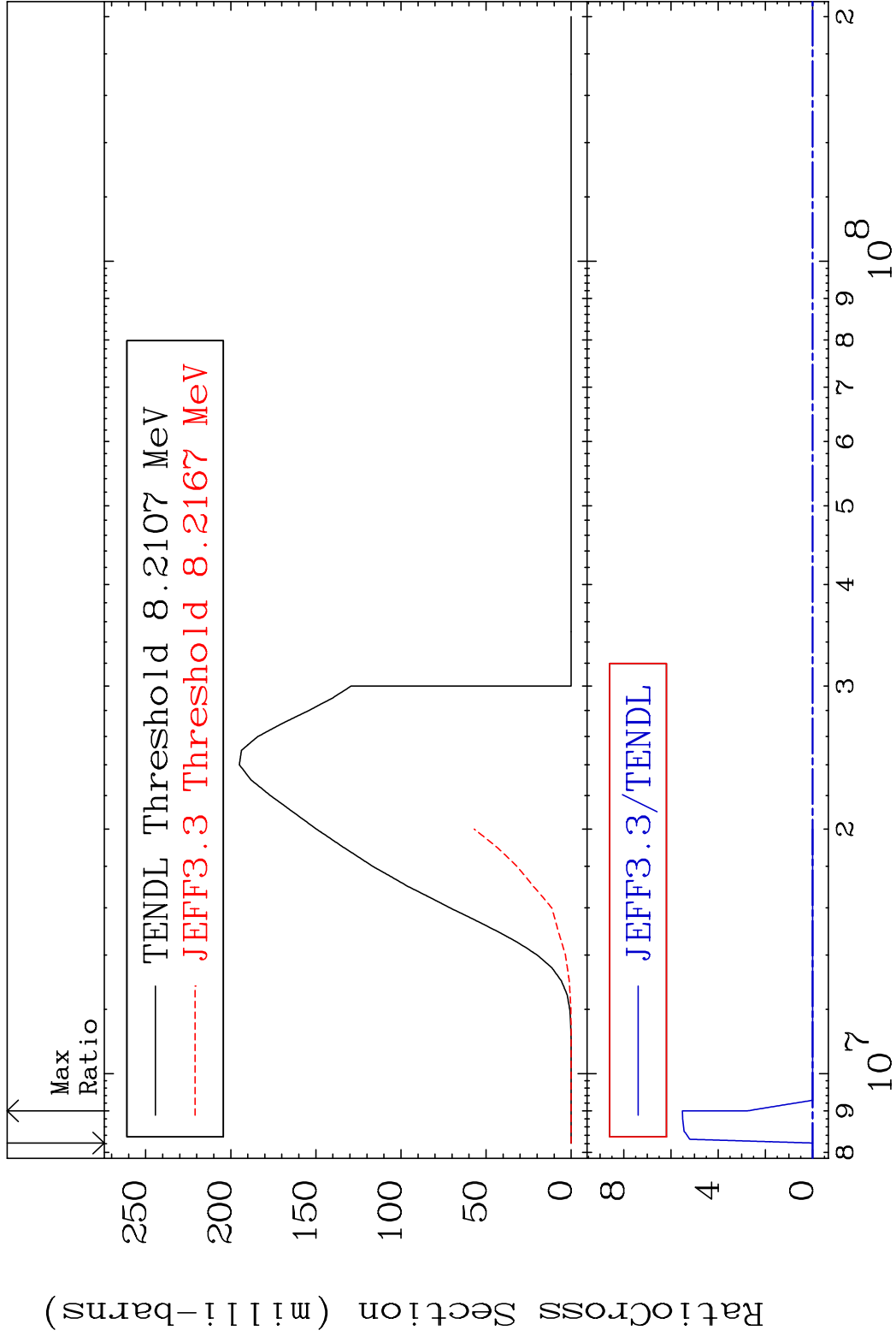
48-Cd-108

MAT 4831

(n, n') p

48-Cd-108

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

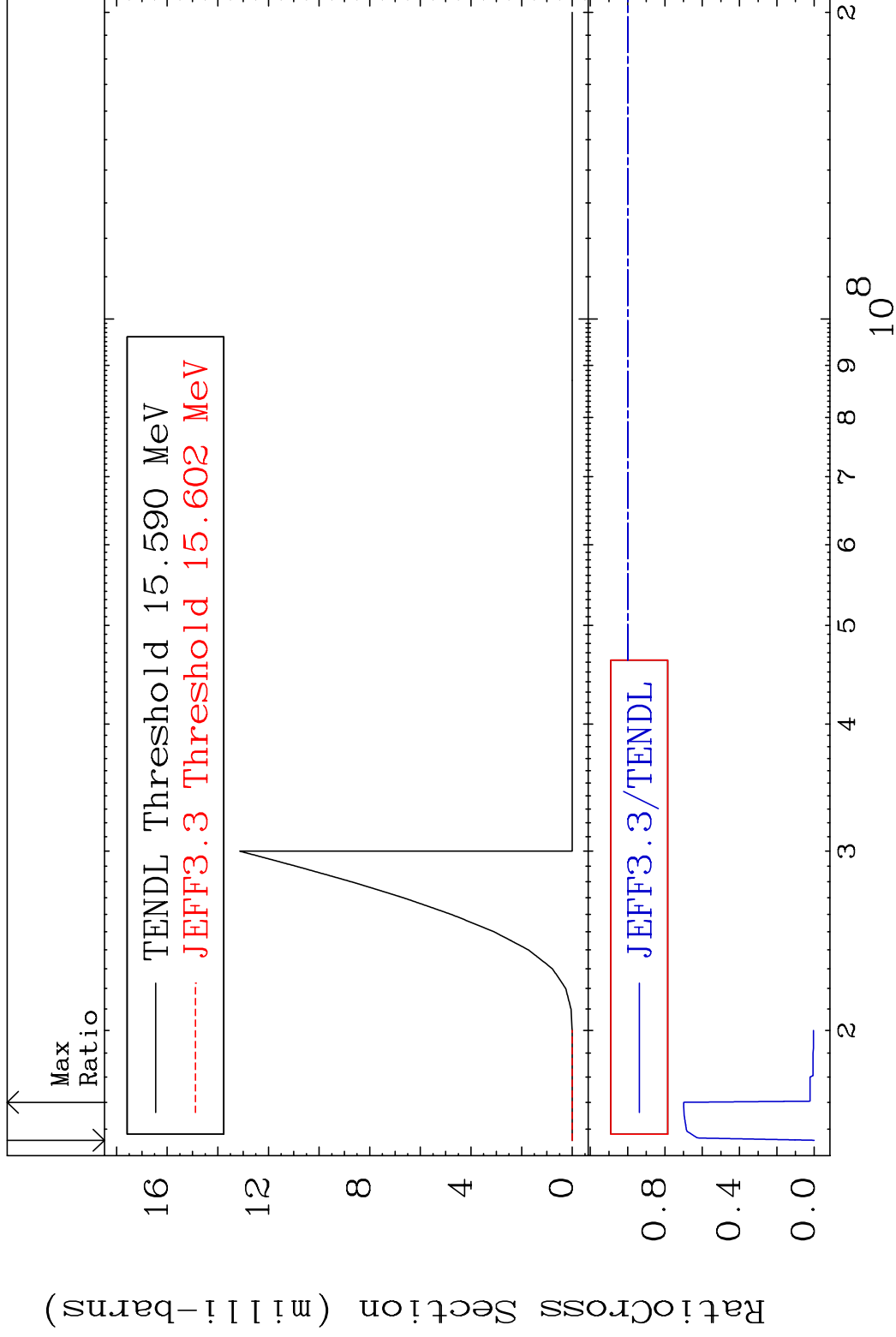
48-Cd-108

MAT 4831

(n, n') d

48-Cd-108

Cross Section -100.0 To -30.05%



8

Incident Energy (eV)

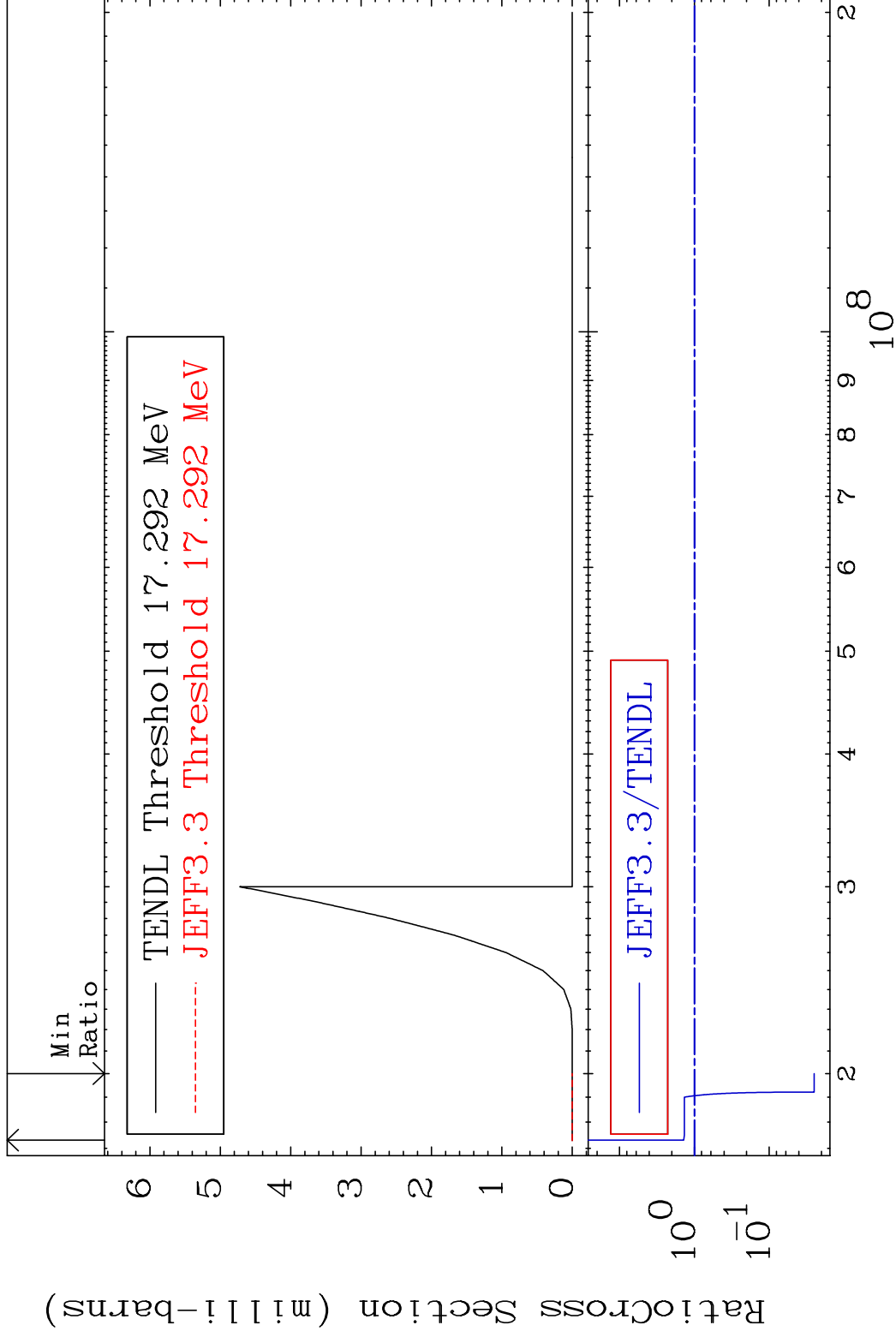
48-Cd-108

MAT 4831

(n, n') t

48-Cd-108

Cross Section -97.49 To 38.94 %

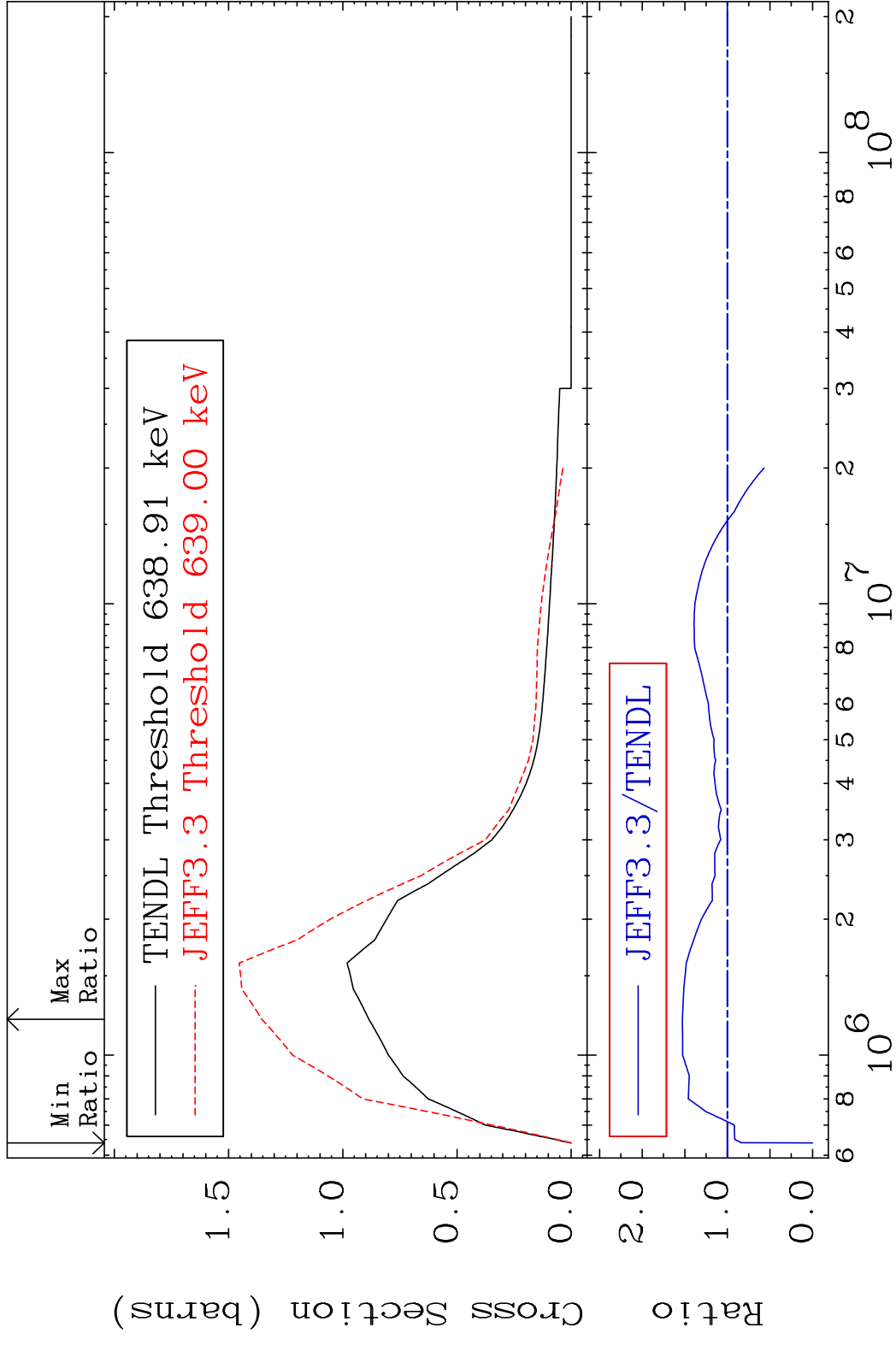


9

Incident Energy (eV)

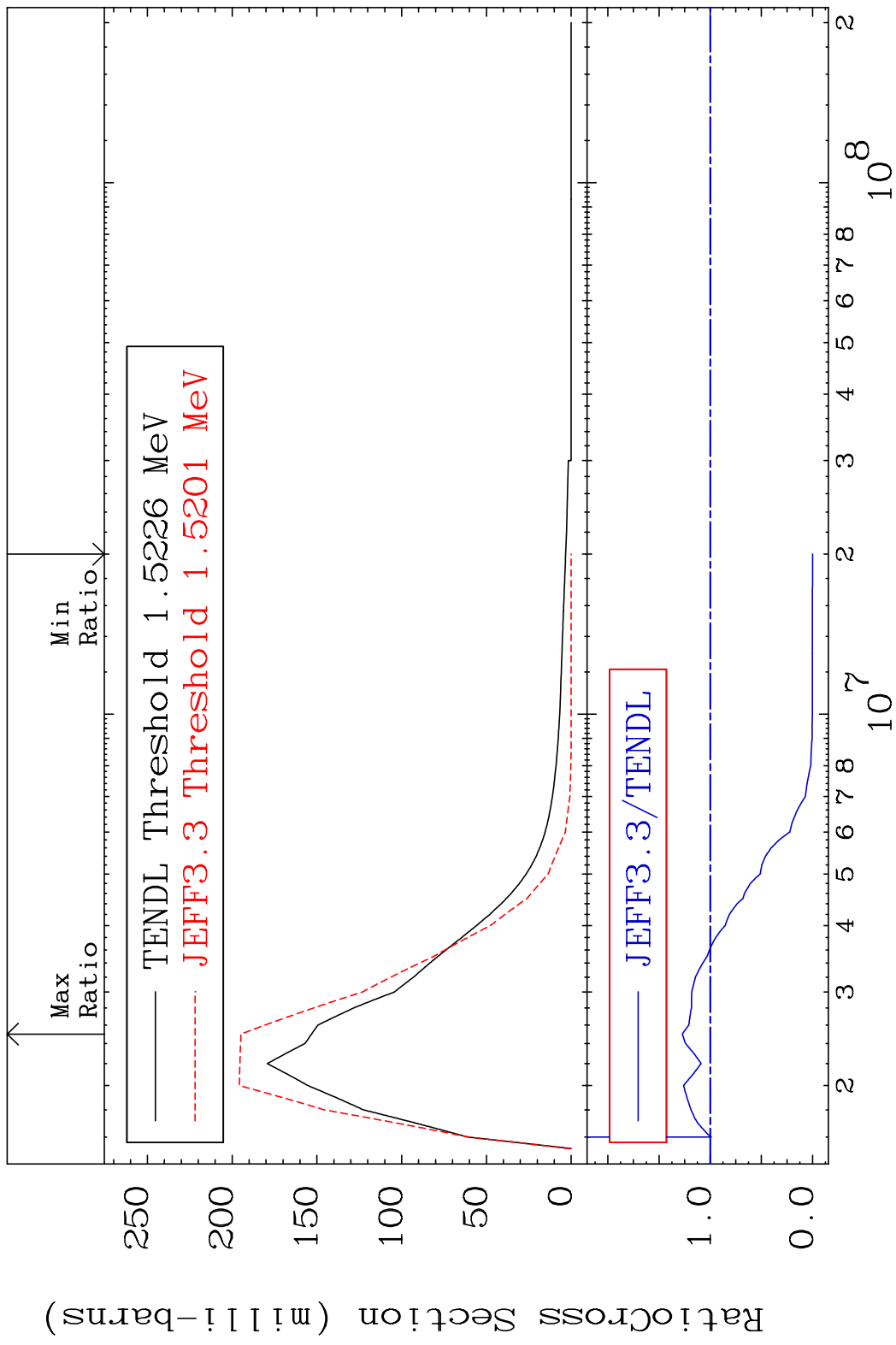
48-Cd-108

MAT 4831 MT= 51 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 52.88 %

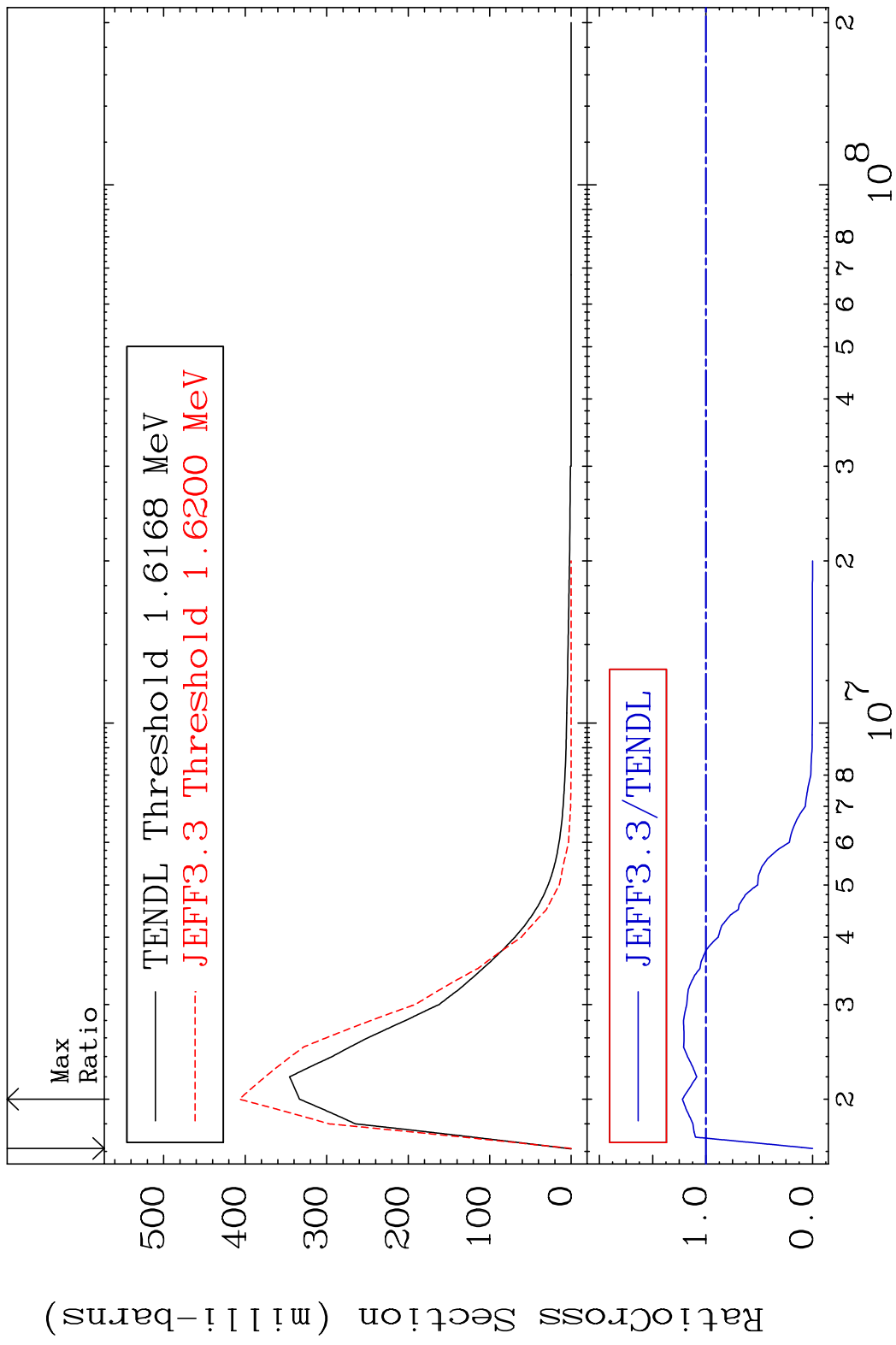


10 Incident Energy (eV) 48-Cd-108

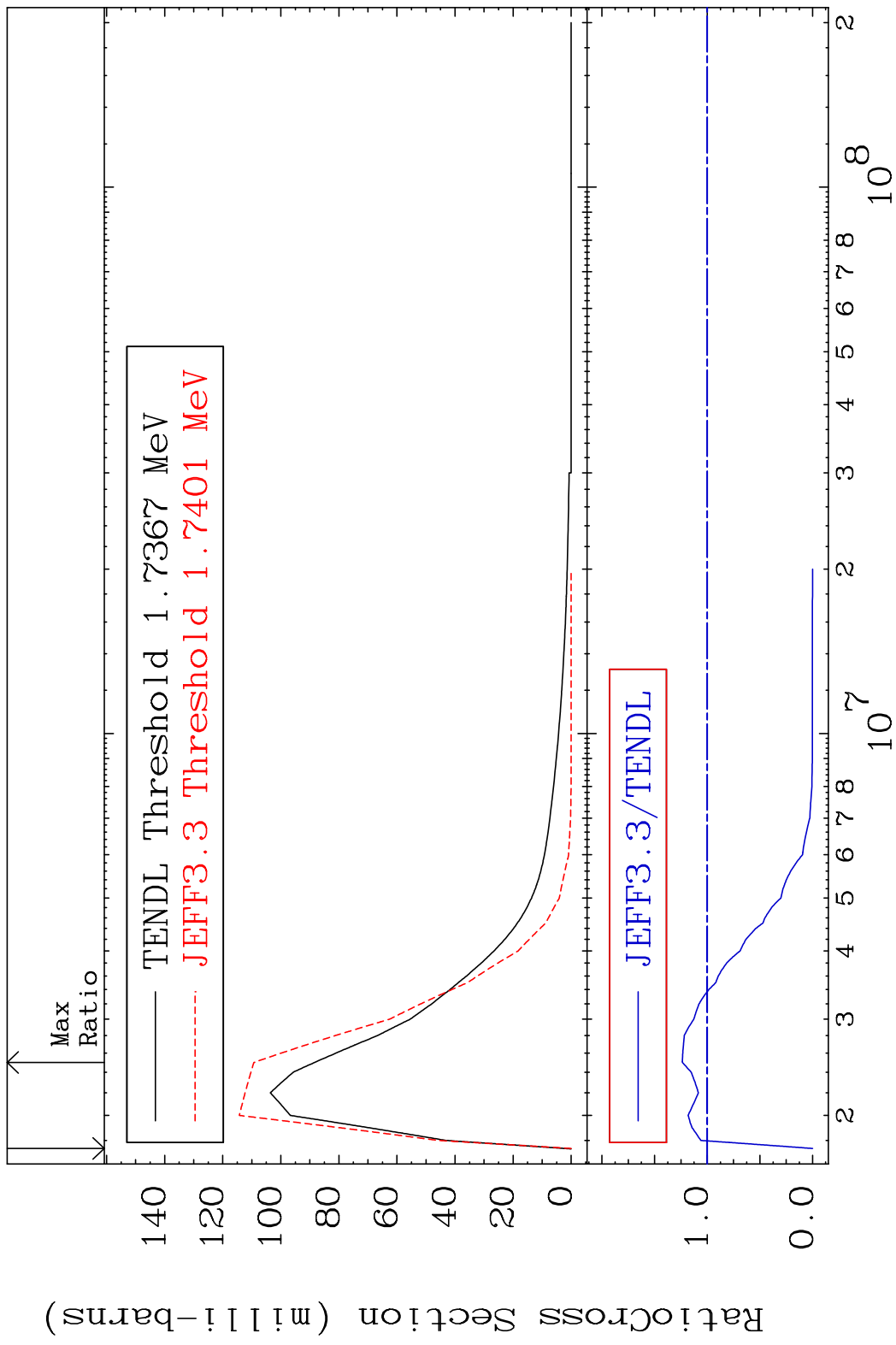
MAT 4831 MT= 52 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 27.22 %



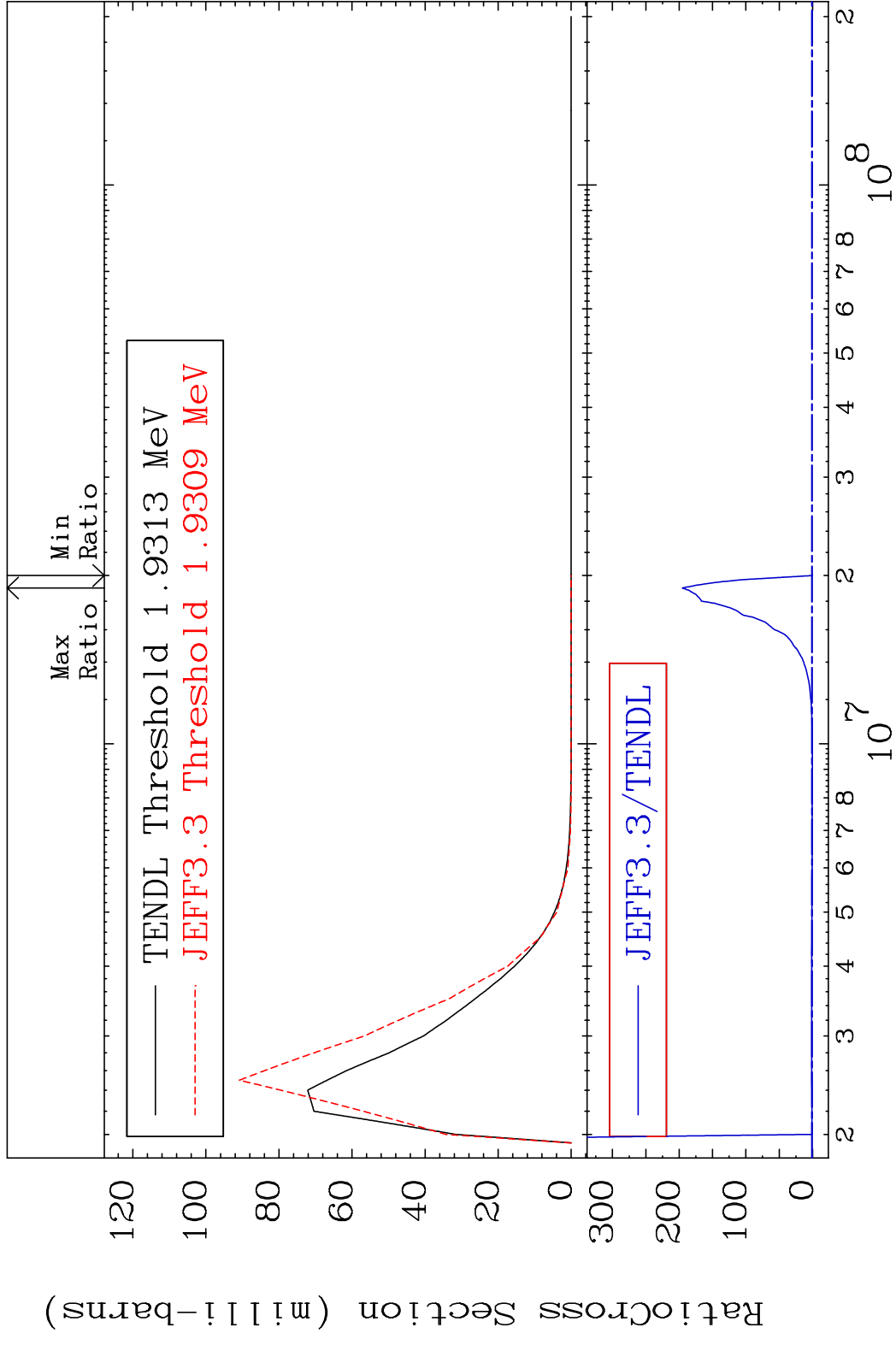
MAT 4831 MT= 53 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 22.14 %



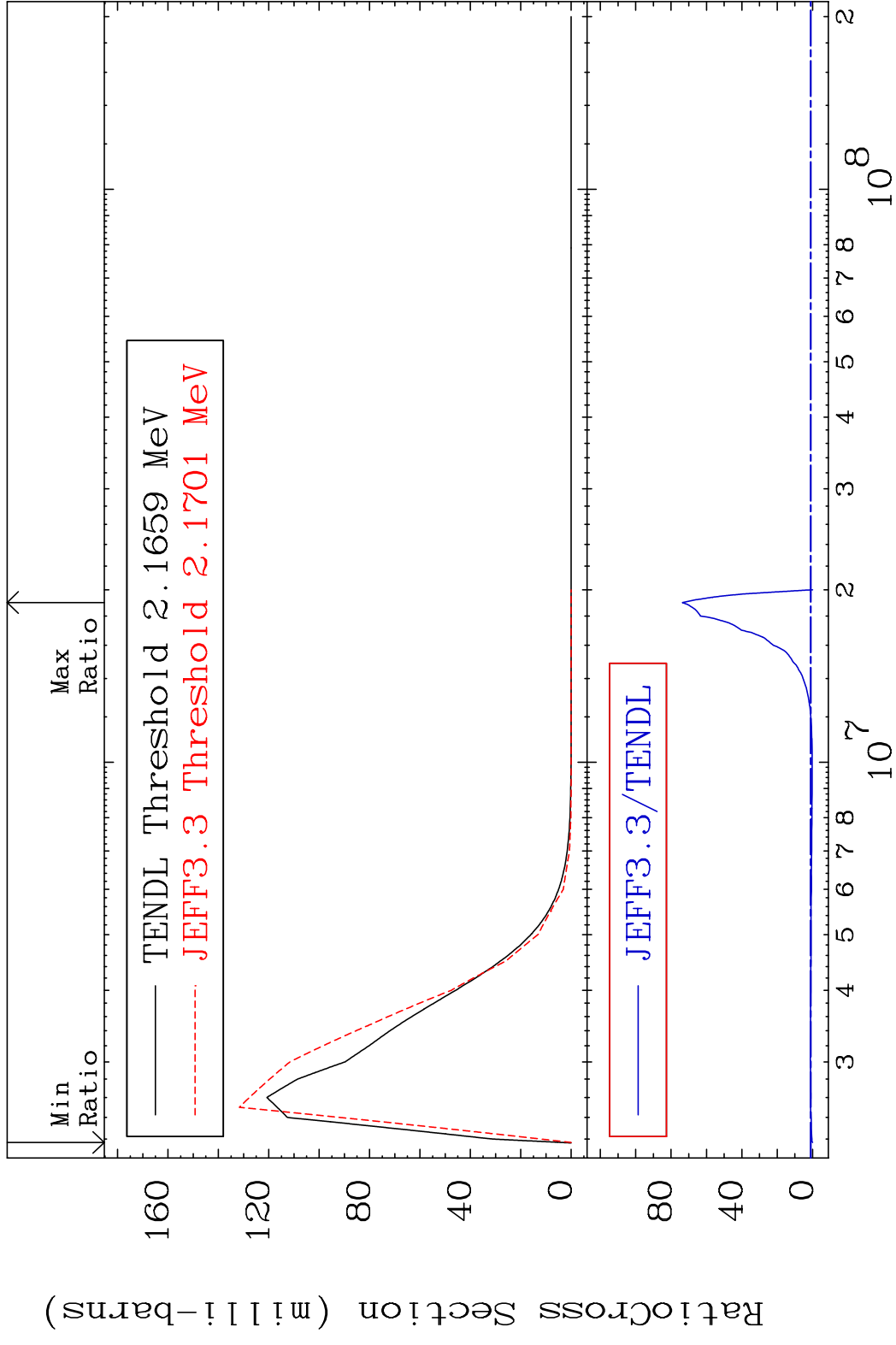
MAT 4831 MT= 54 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 23.65 %



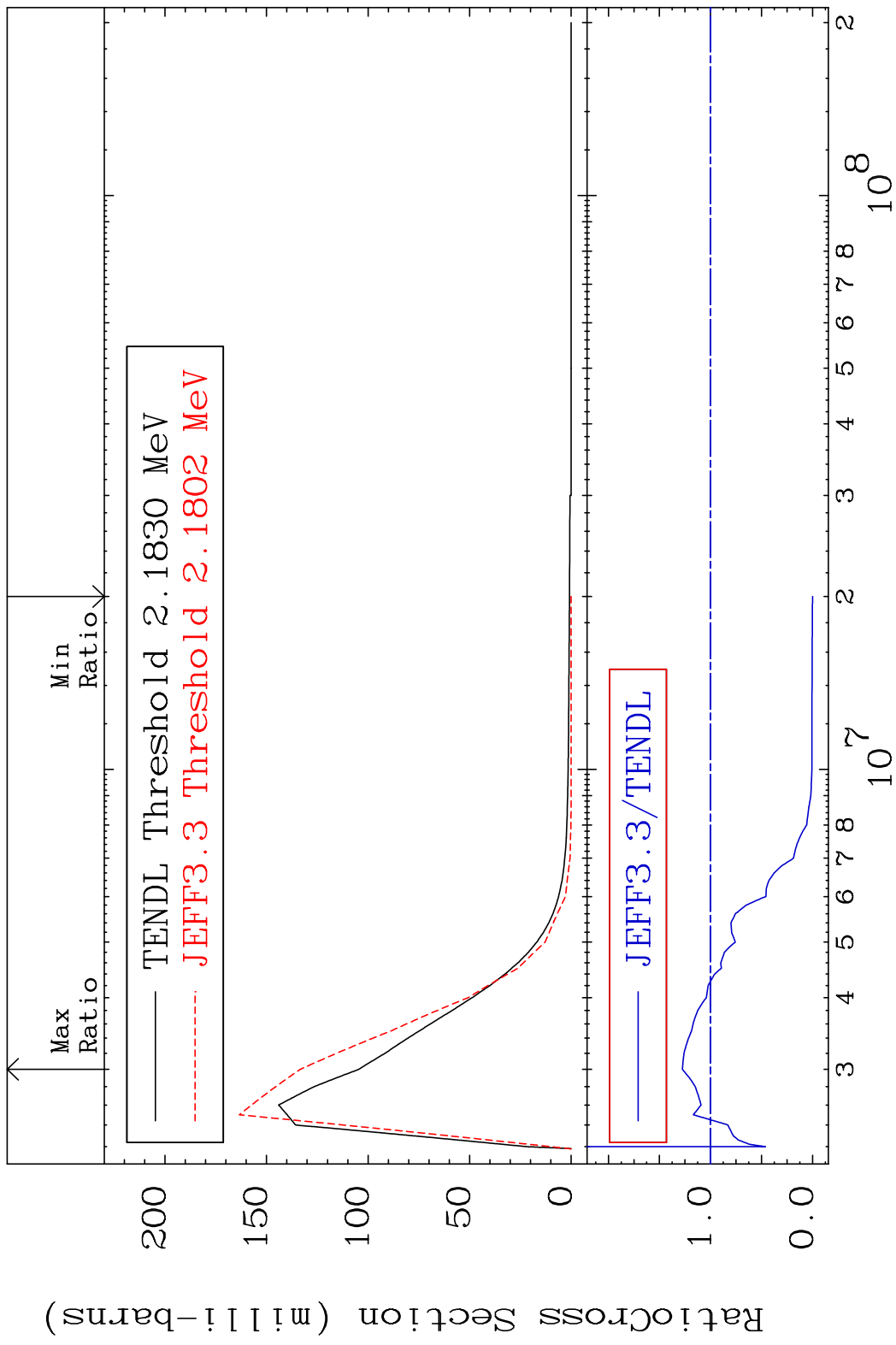
MAT 4831 MT= 55 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 9999. %



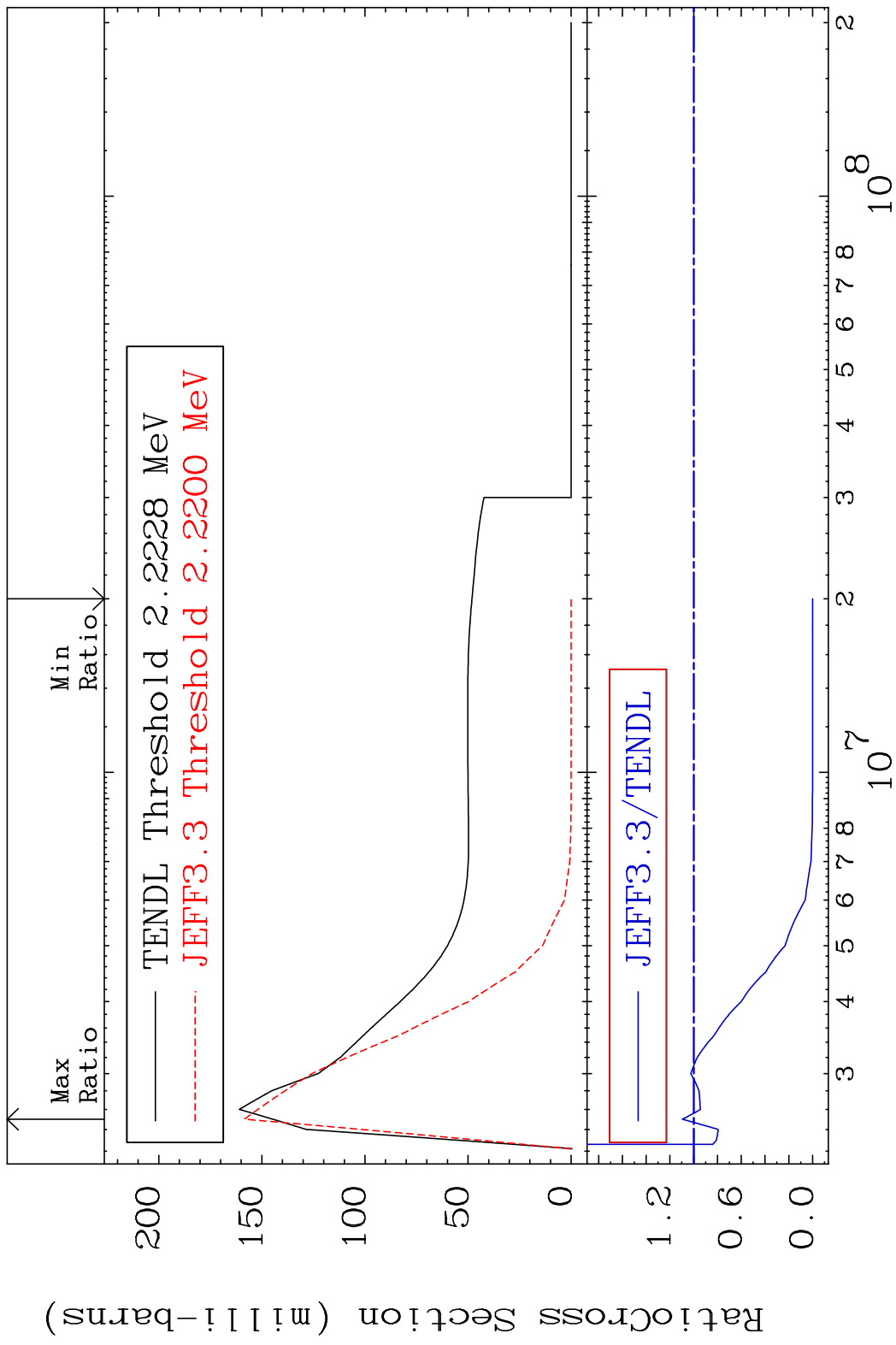
MAT 4831 MT= 56 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 7263. %



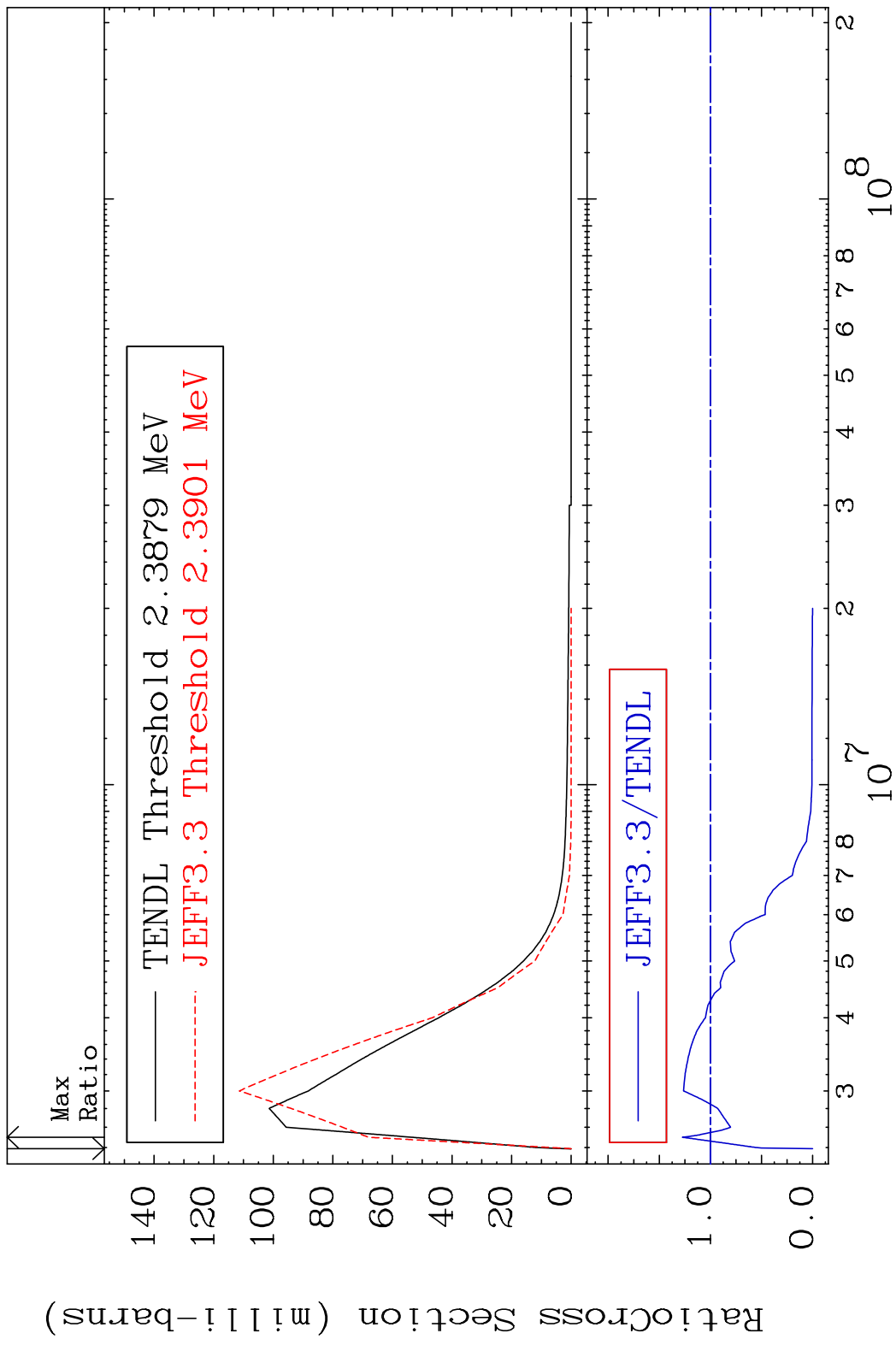
MAT 4831 MT= 57 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 27.57 %



MAT 4831 MT= 58 (n, n') Level 48-Cd-108
 Cross Section -100.0 To 9.537 %



MAT 4831 MT= 60 (n,n') Level 48-Cd-108
 Cross Section -100.0 To 27.40 %

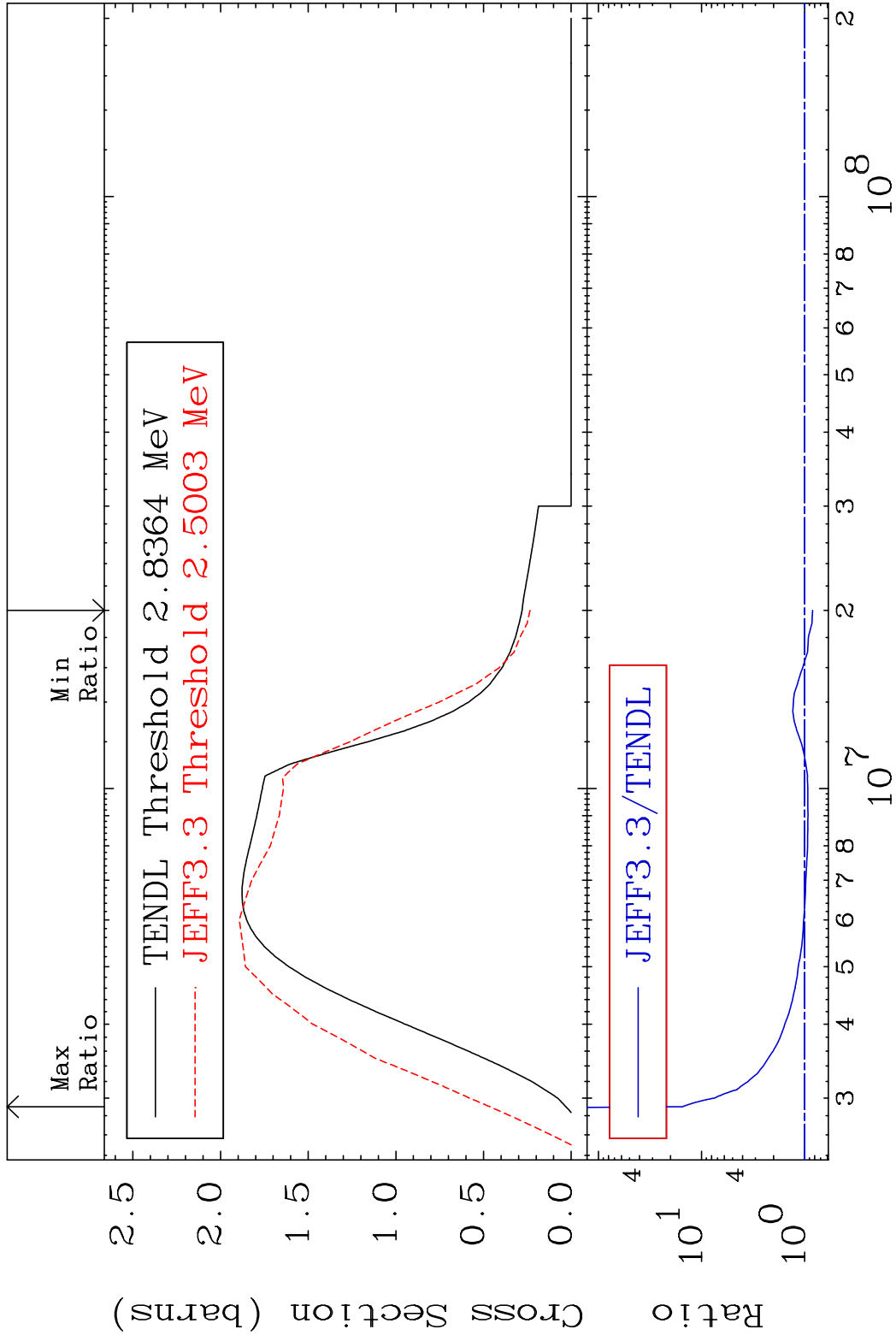


MAT 4831

(n, n') Continuum

48-Cd-108

Cross Section -16.23 To 1437. %



20

Incident Energy (eV)

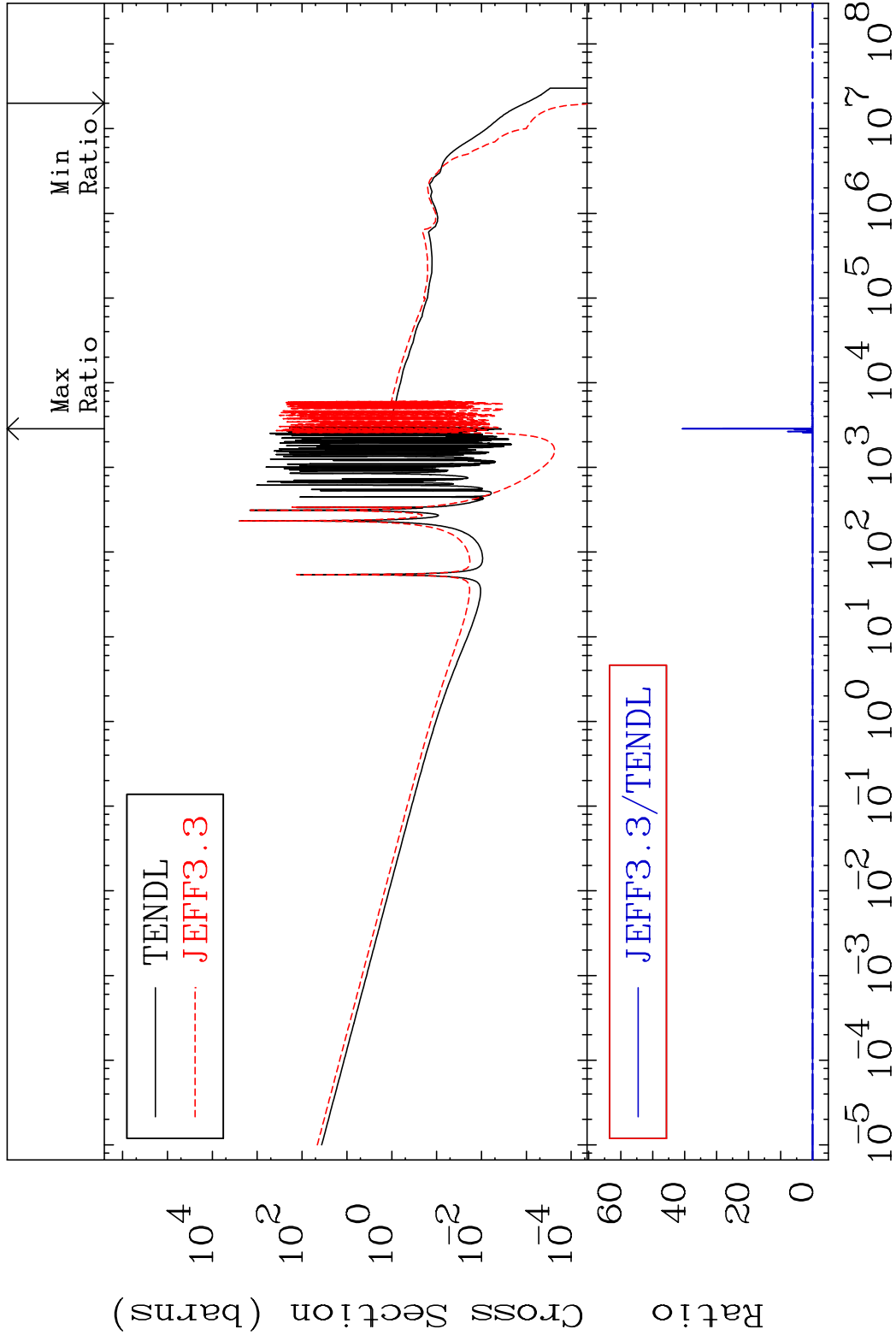
48-Cd-108

MAT 4831

(n, γ)

48-Cd-108

Cross Section -100.0 To 9999. %



Max Ratio

Min Ratio

TENDL
JEFF3.3

JEFF3.3/TENDL

21

Incident Energy (eV)

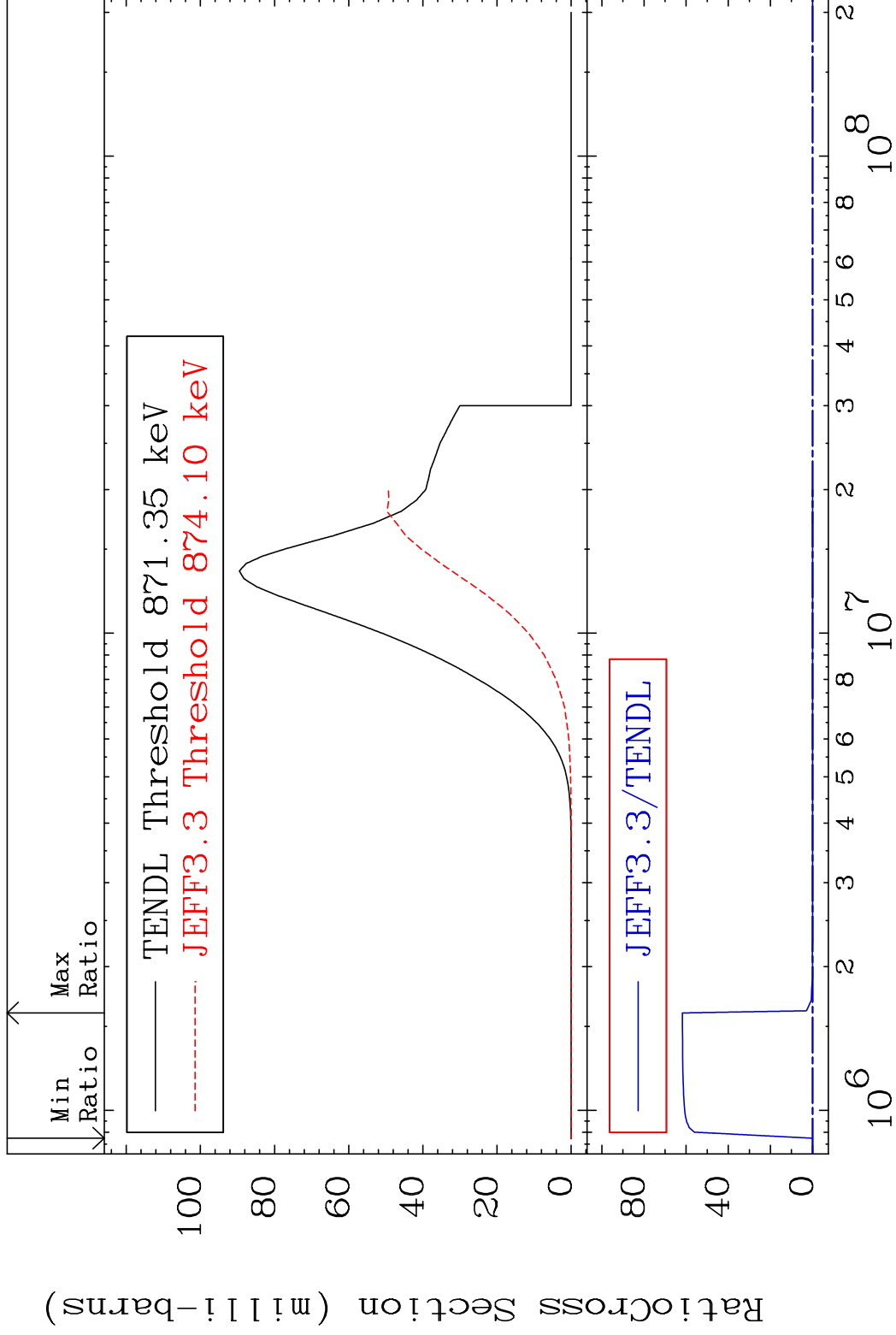
48-Cd-108

MAT 4831

(n,p)

48-Cd-108

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

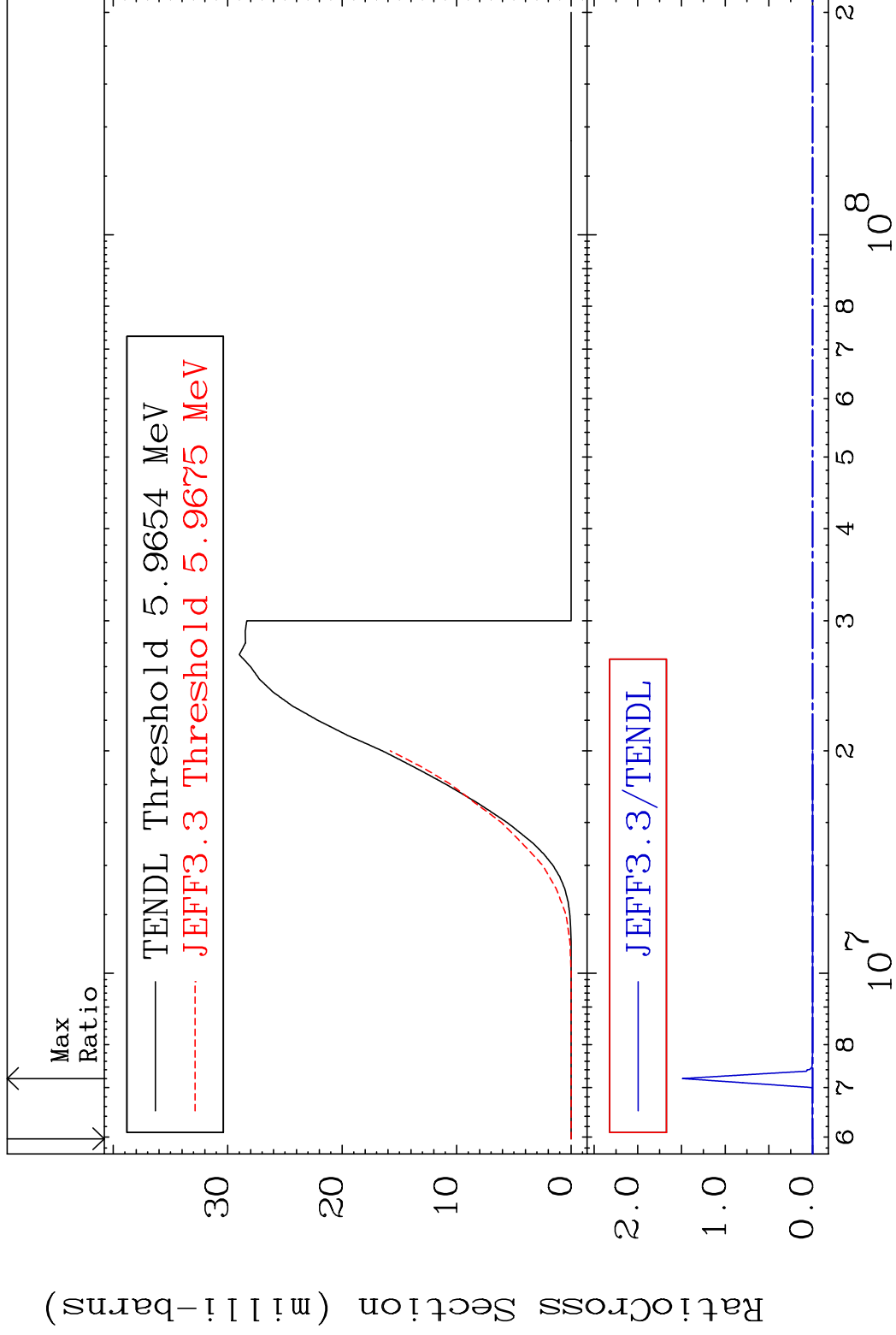
48-Cd-108

MAT 4831

(n,d)

48-Cd-108

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

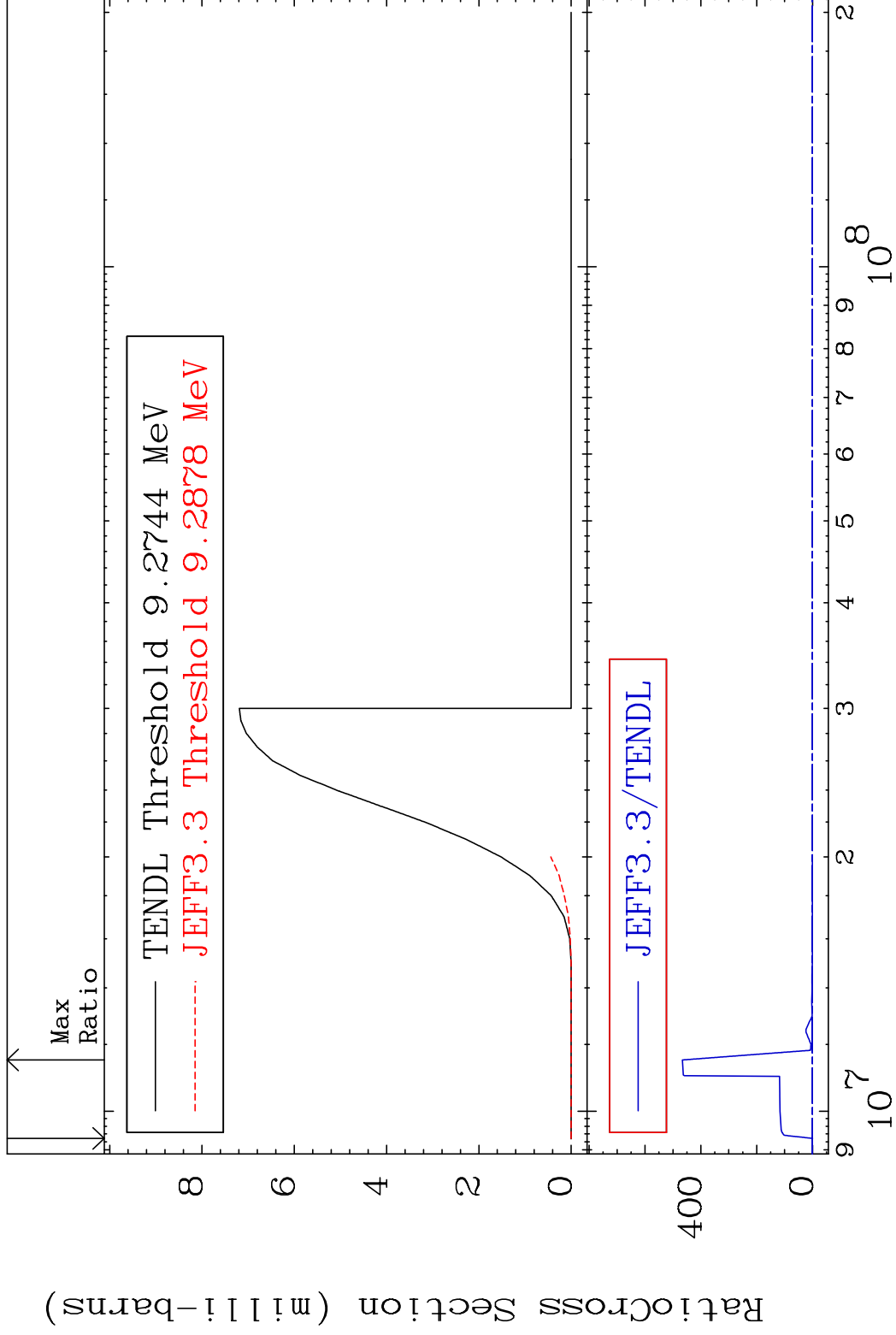
48-Cd-108

MAT 4831

(n, t)

48-Cd-108

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

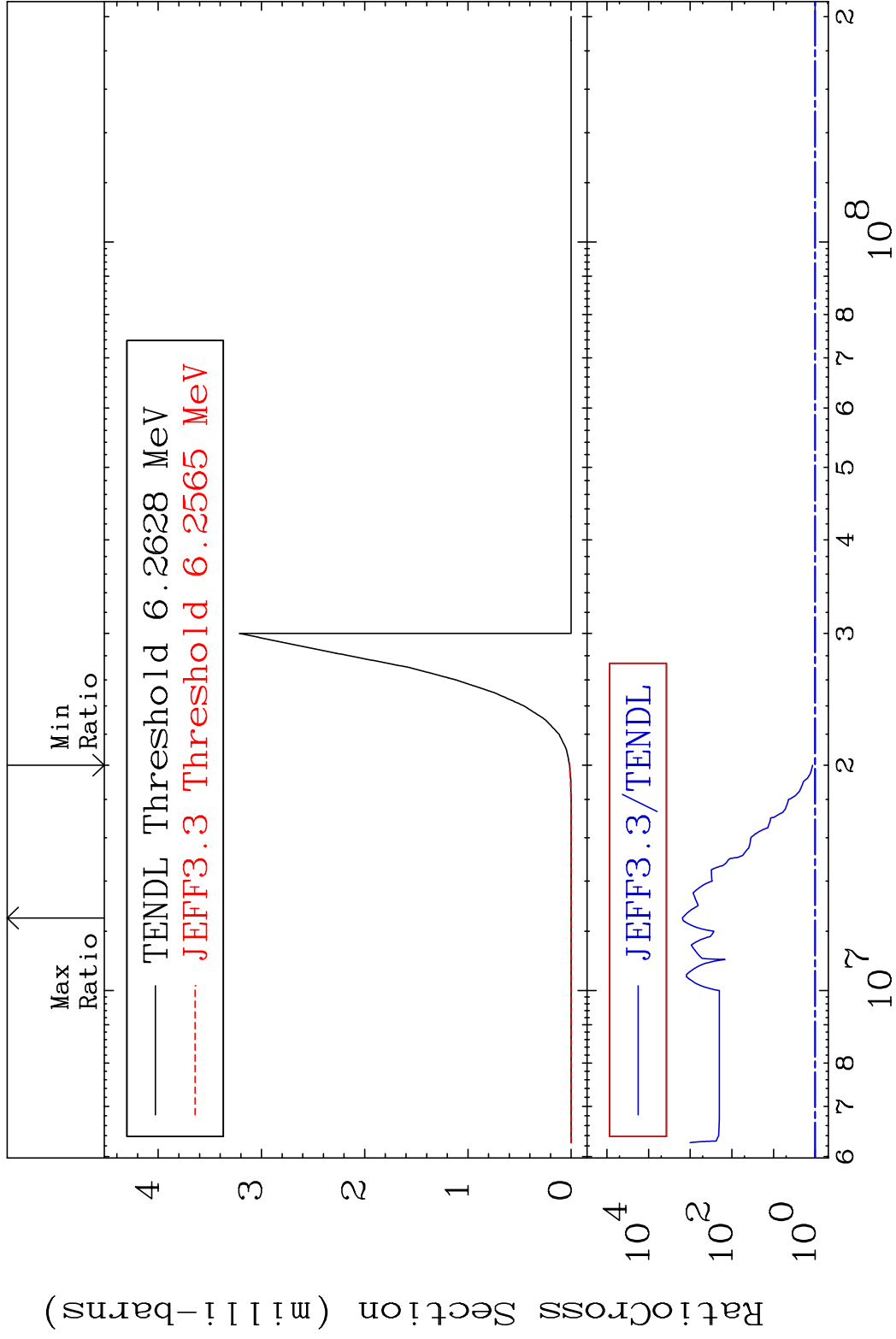
48-Cd-108

MAT 4831

(n, He-3)

48-Cd-108

Cross Section 15.46 To 9999. %



25

Incident Energy (eV)

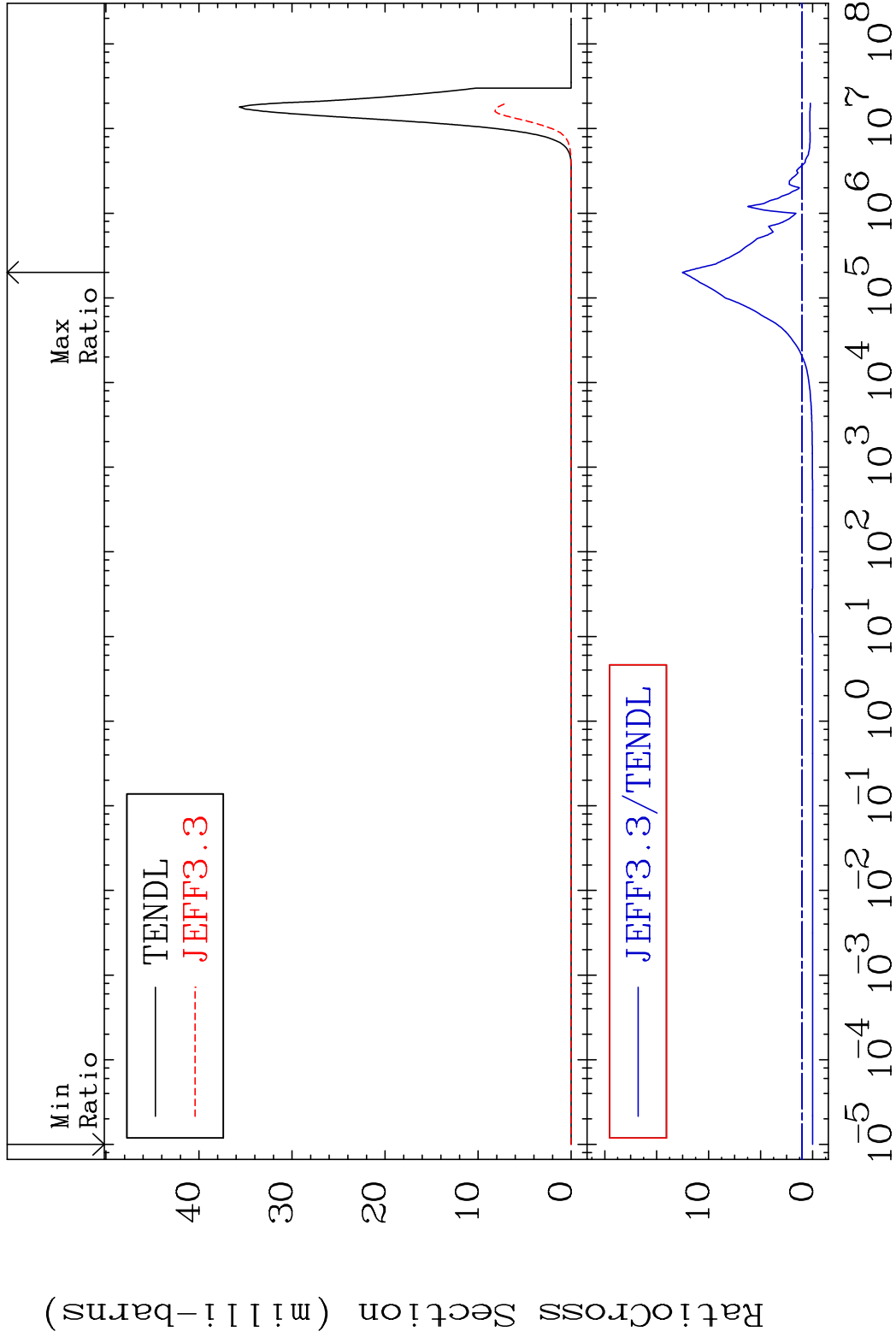
48-Cd-108

MAT 4831

(n, α)

48-Cd-108

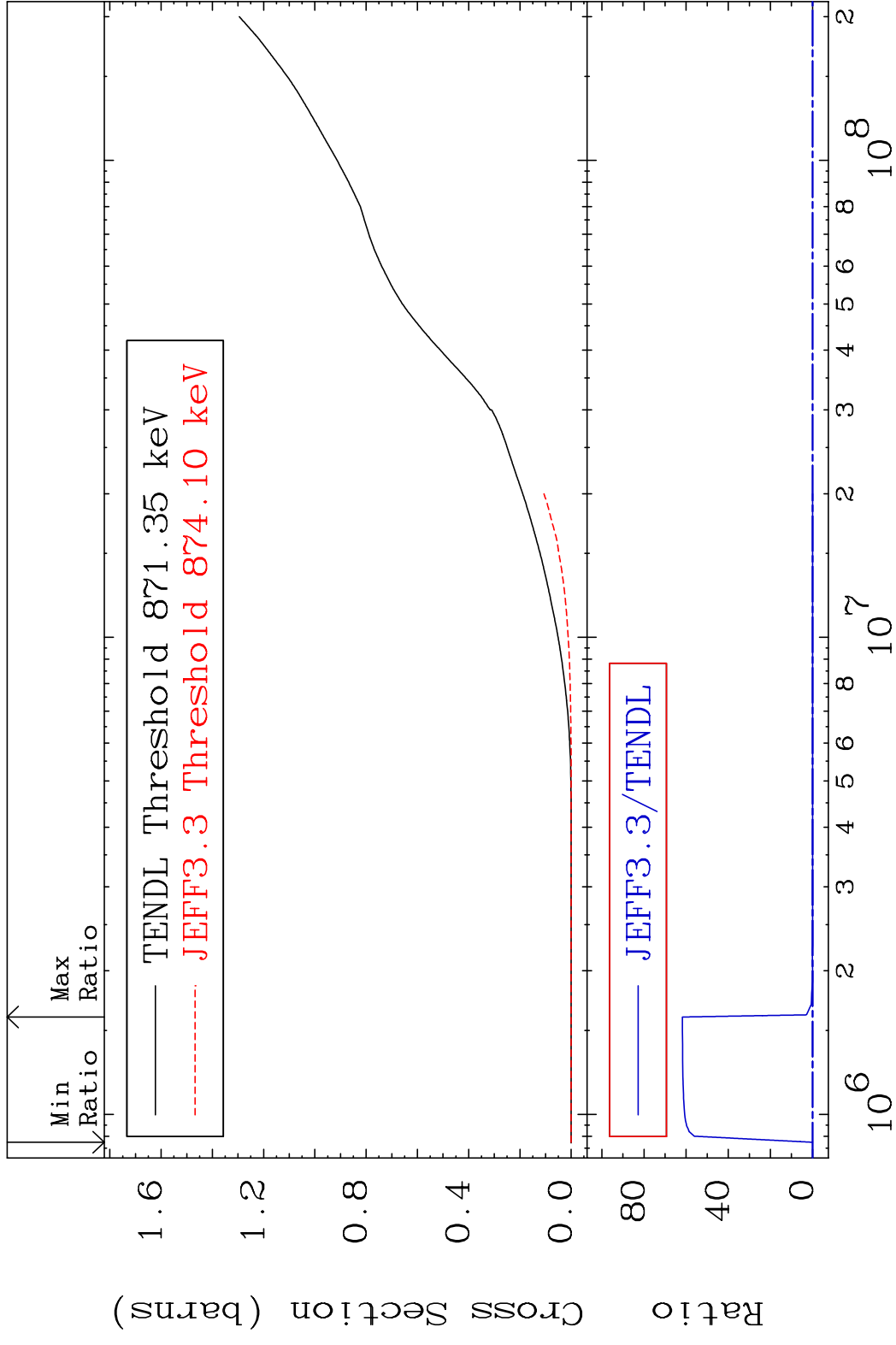
Cross Section -100.0 To 1153. %



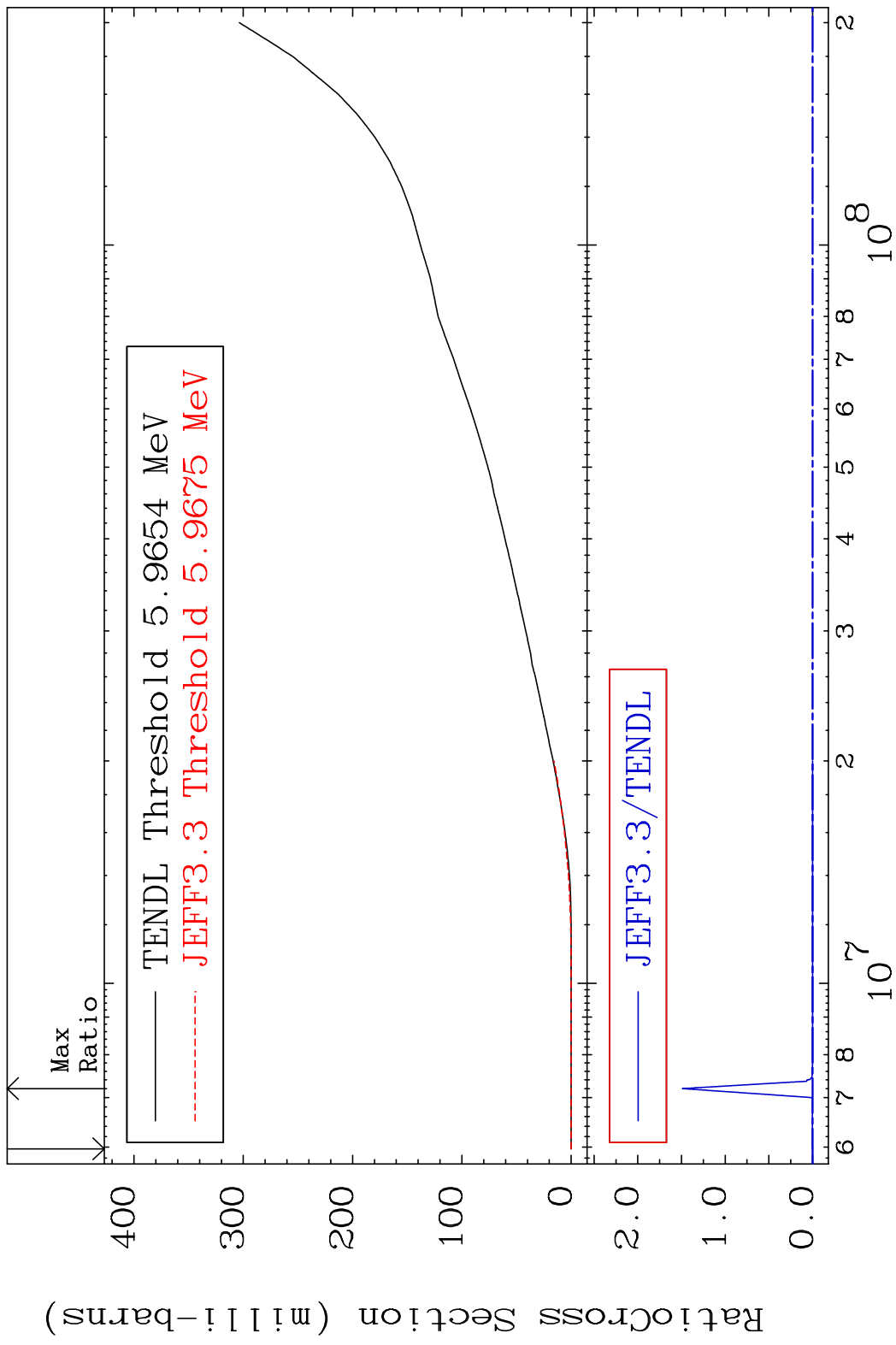
26

48-Cd-108

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

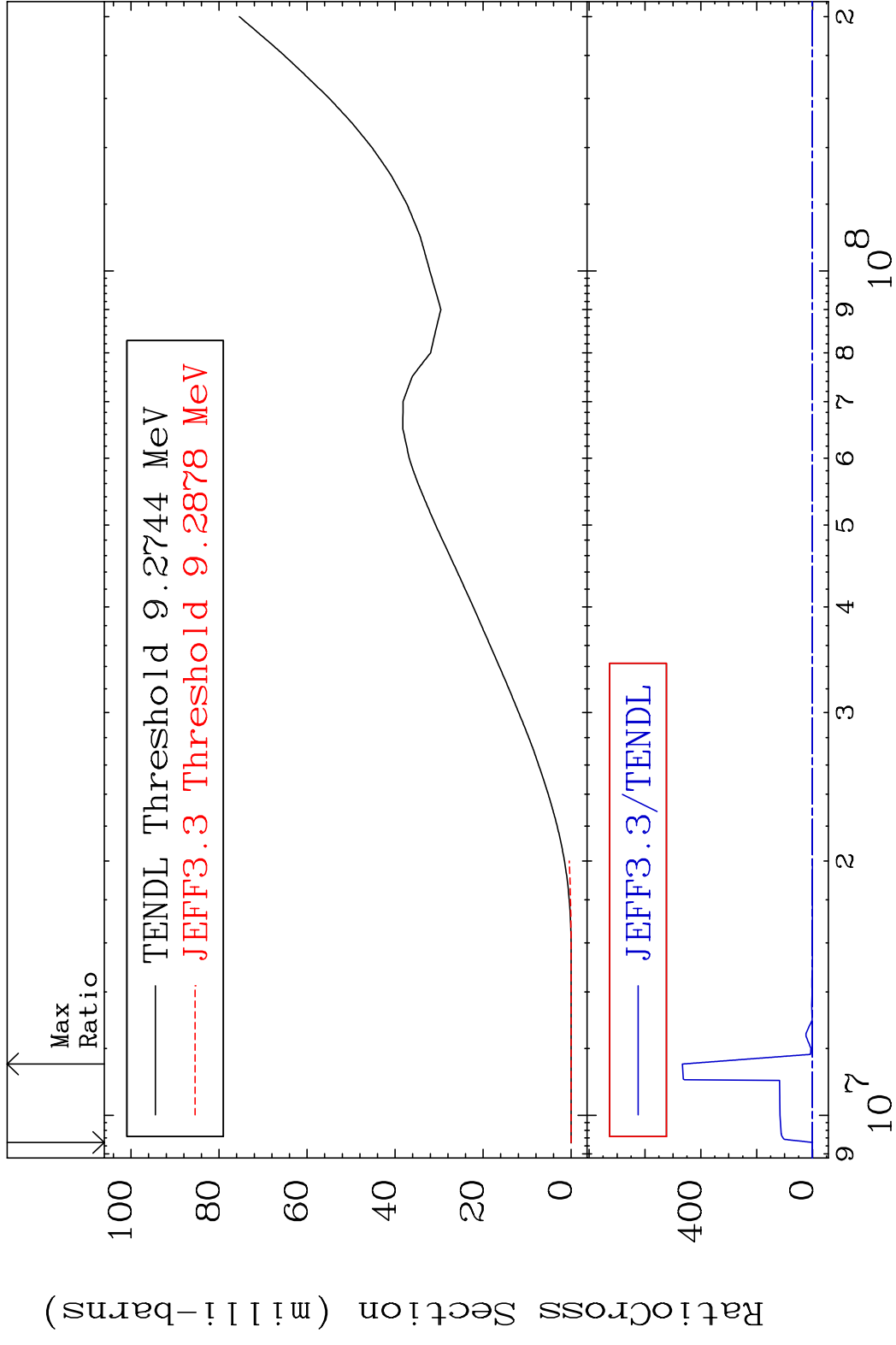


MAT 4831 Deuterium Production 48-Cd-108
 Cross Section -100.0 To 9999. %



28 Incident Energy (eV) 48-Cd-108

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



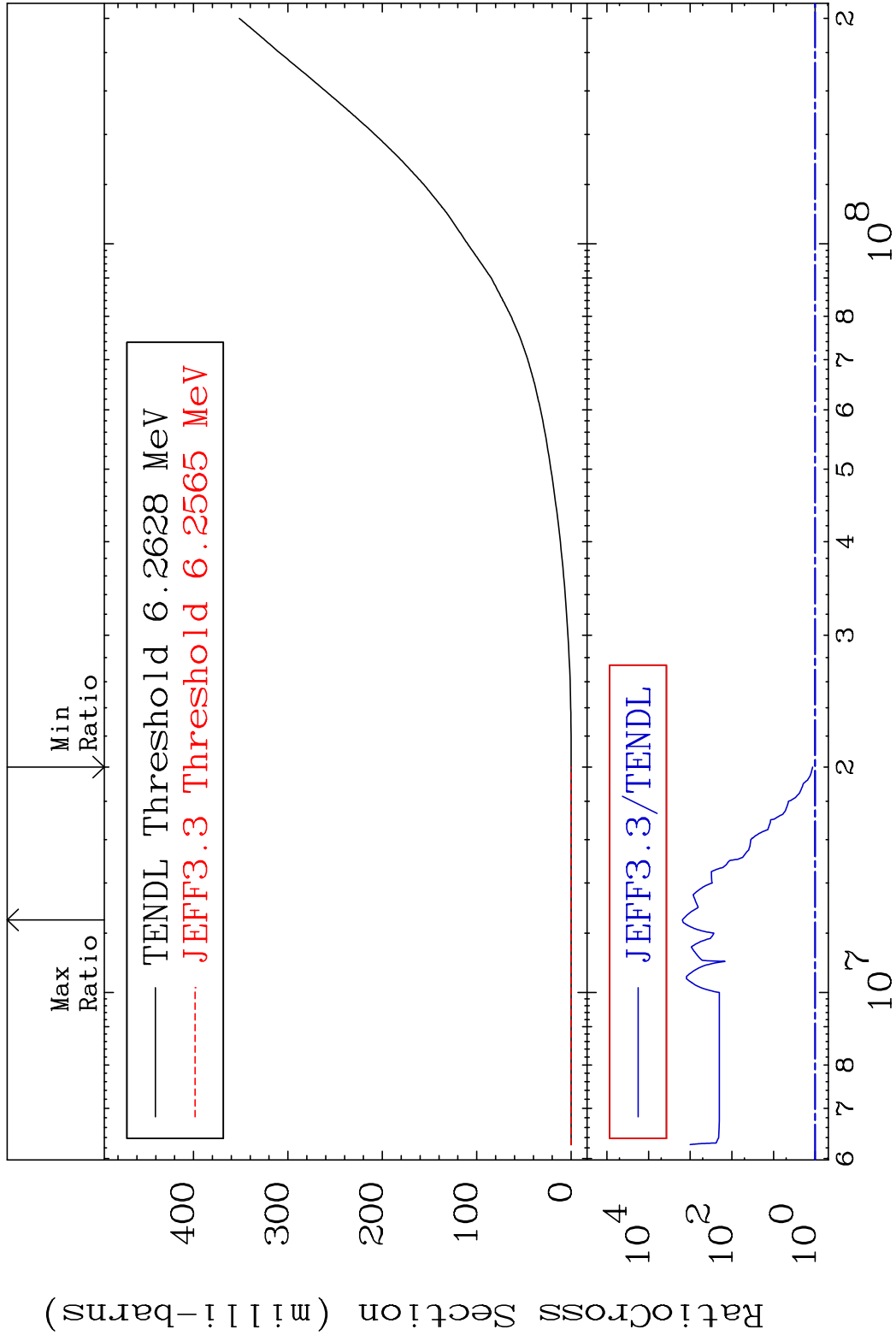
29 Incident Energy (eV) 48-Cd-108

MAT 4831

He-3 Production

48-Cd-108

Cross Section 15.46 To 9999. %



30

Incident Energy (eV)

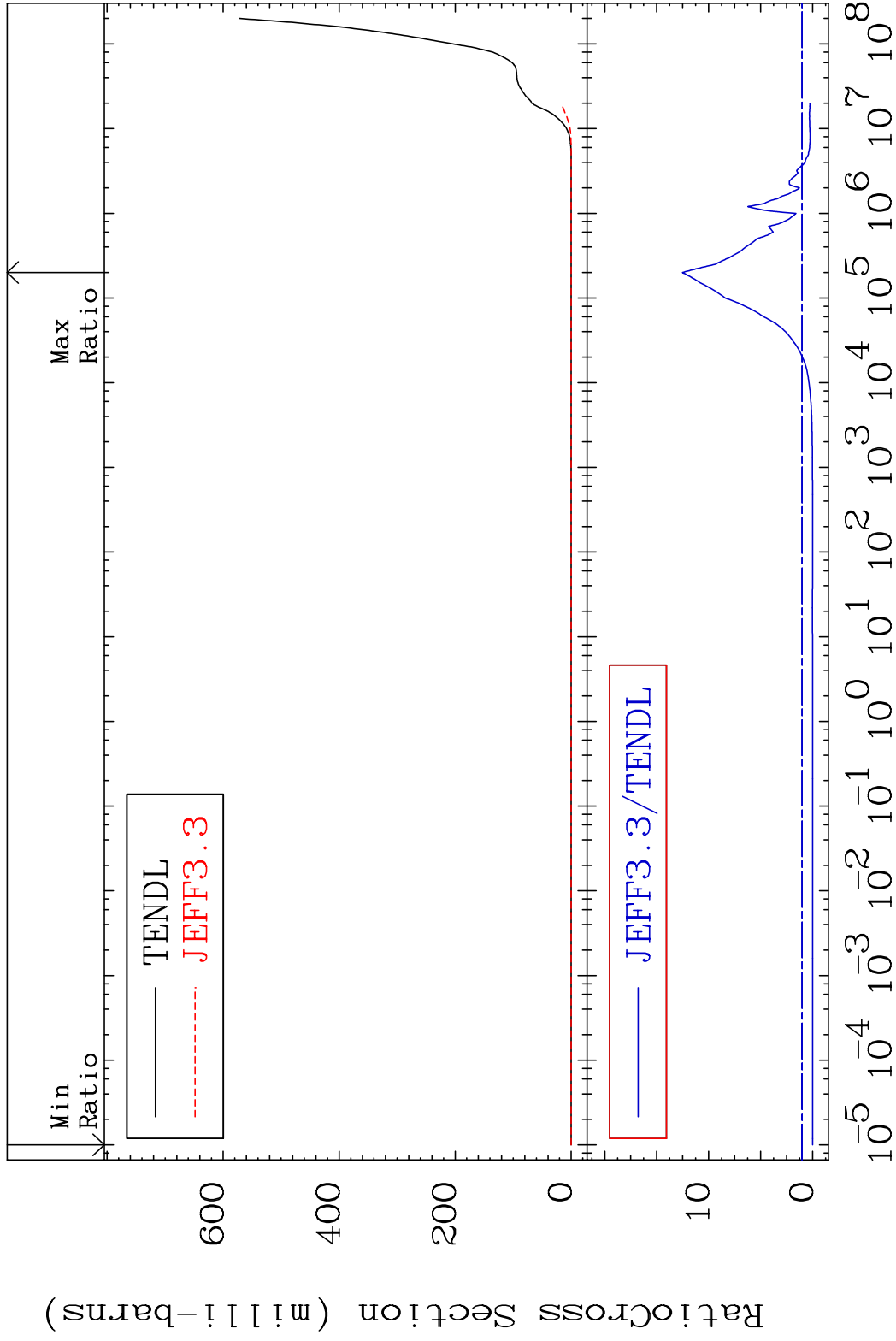
48-Cd-108

MAT 4831

He-4 Production

48-Cd-108

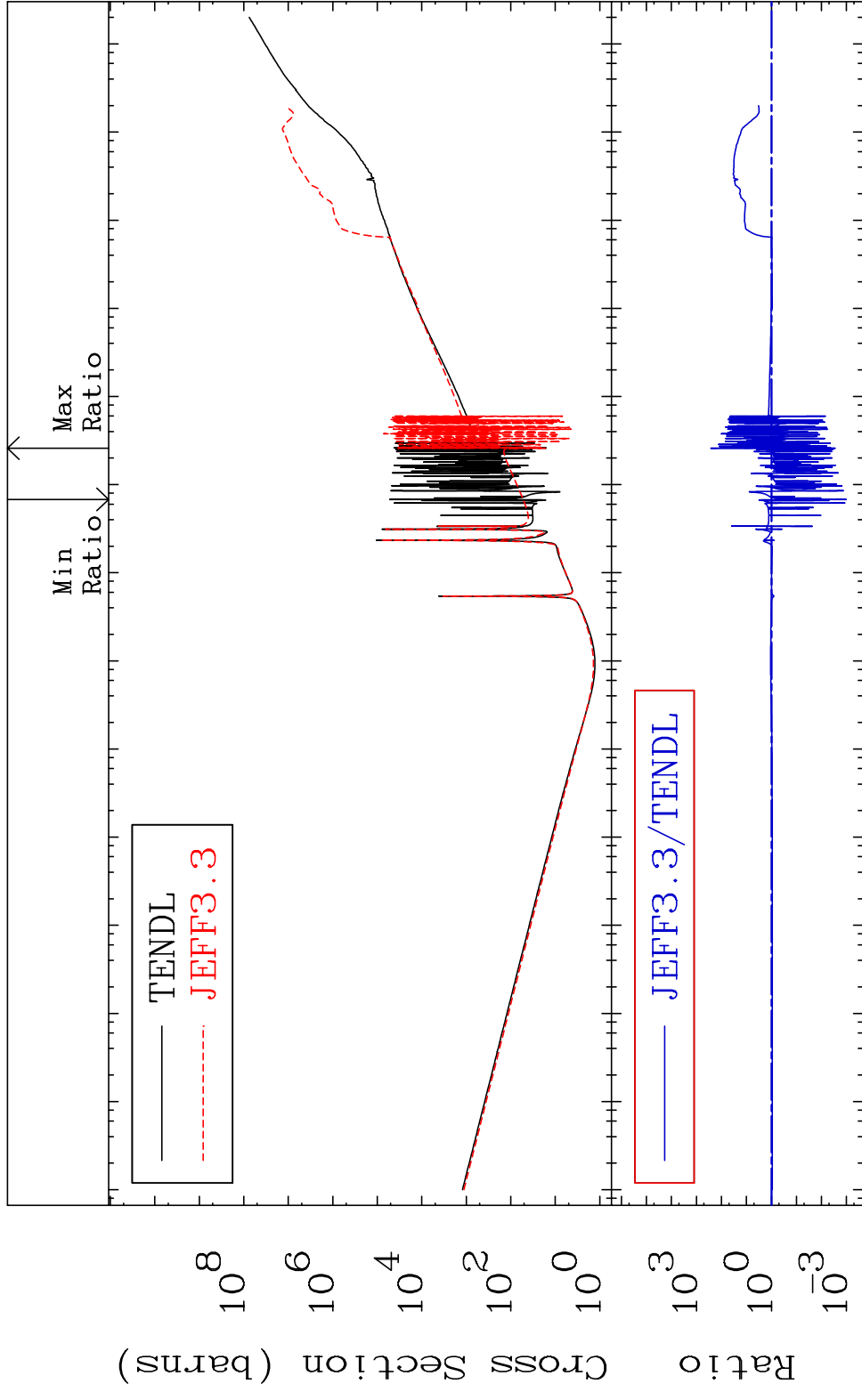
Cross Section -100.0 To 1153. %



31

48-Cd-108

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



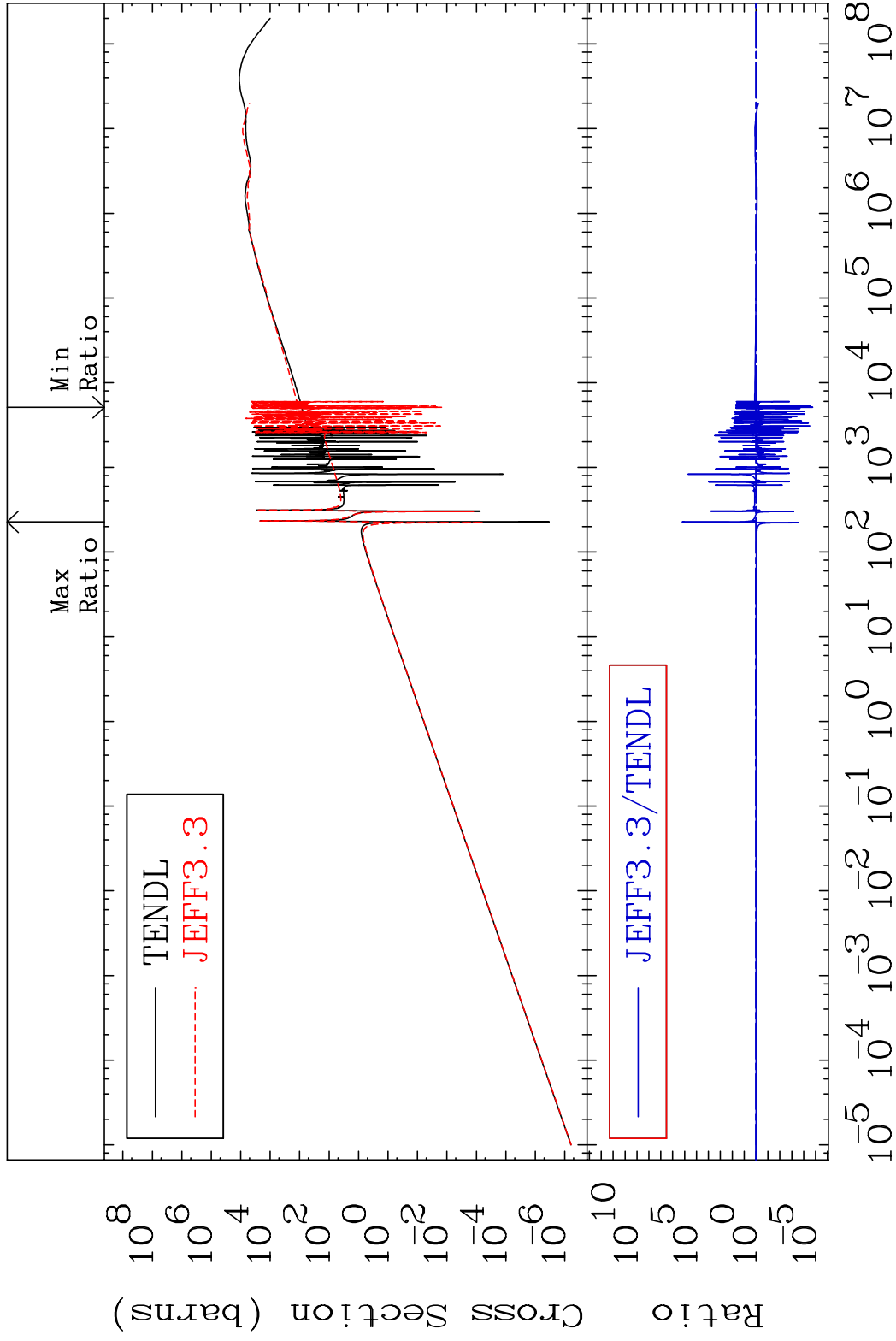
32 Incident Energy (eV) 48-Cd-108

MAT 4831

Kerma elastic

48-Cd-108

Cross Section -100.0 To 9999. %

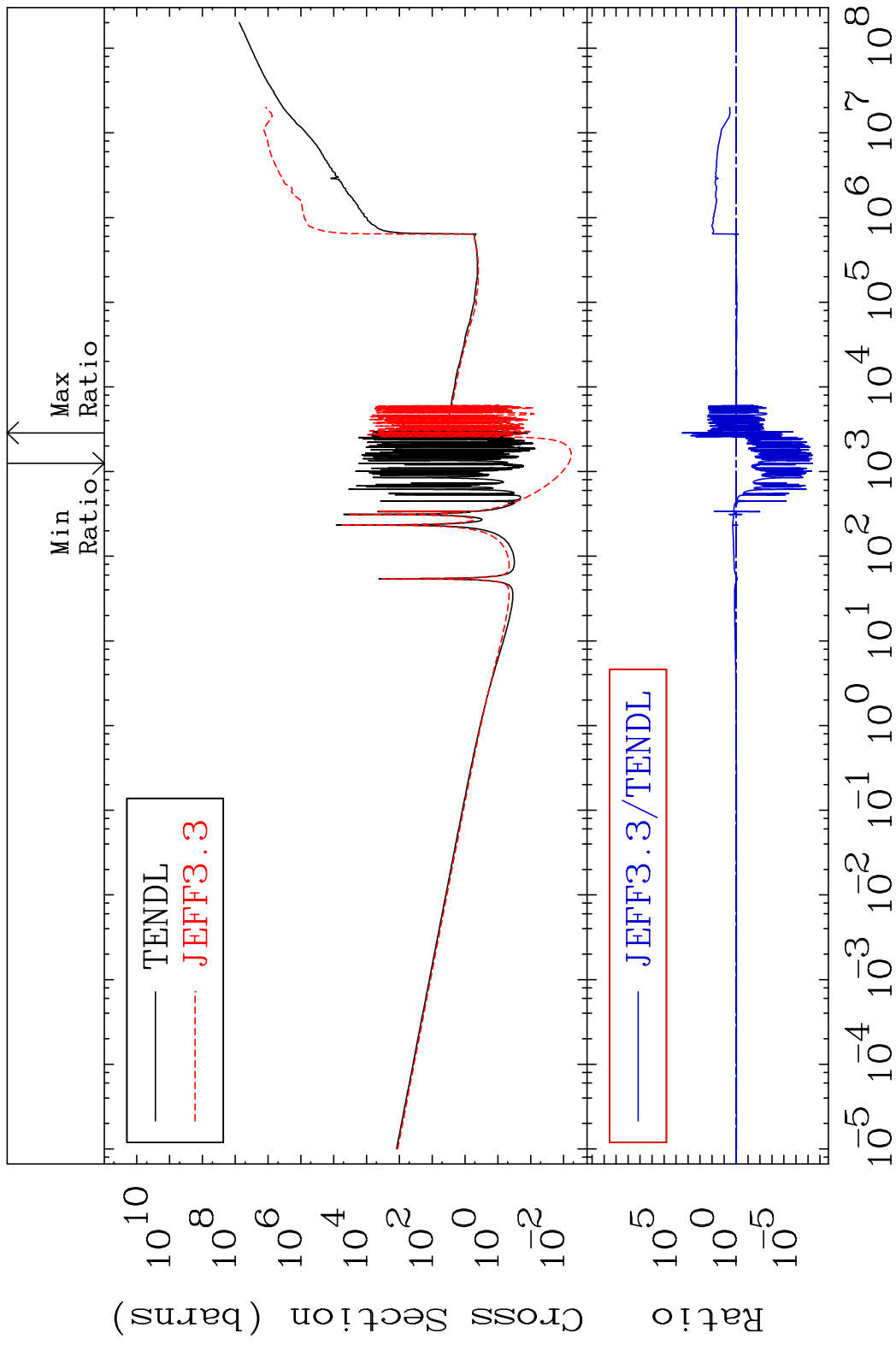


33

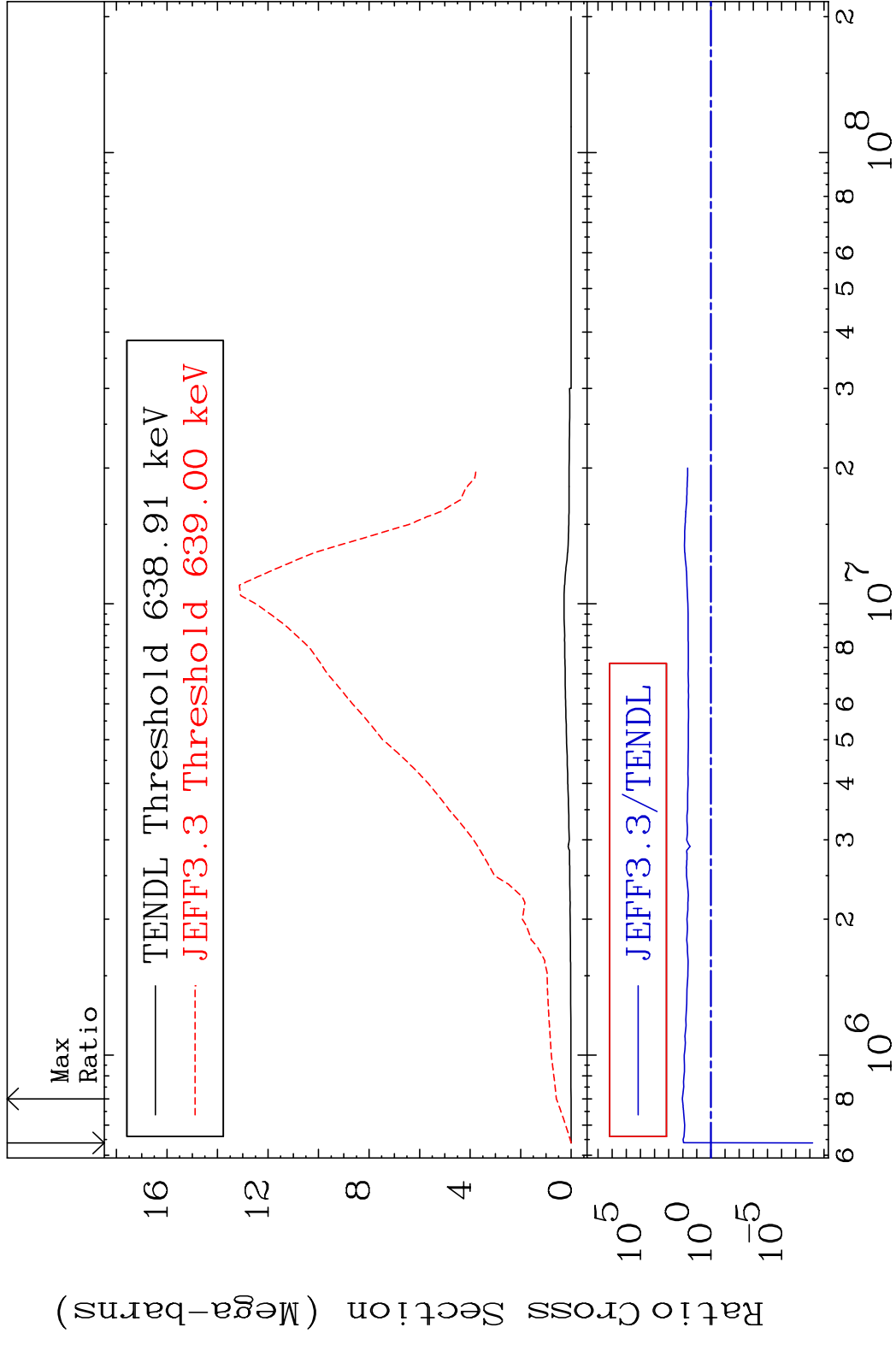
Incident Energy (eV)

48-Cd-108

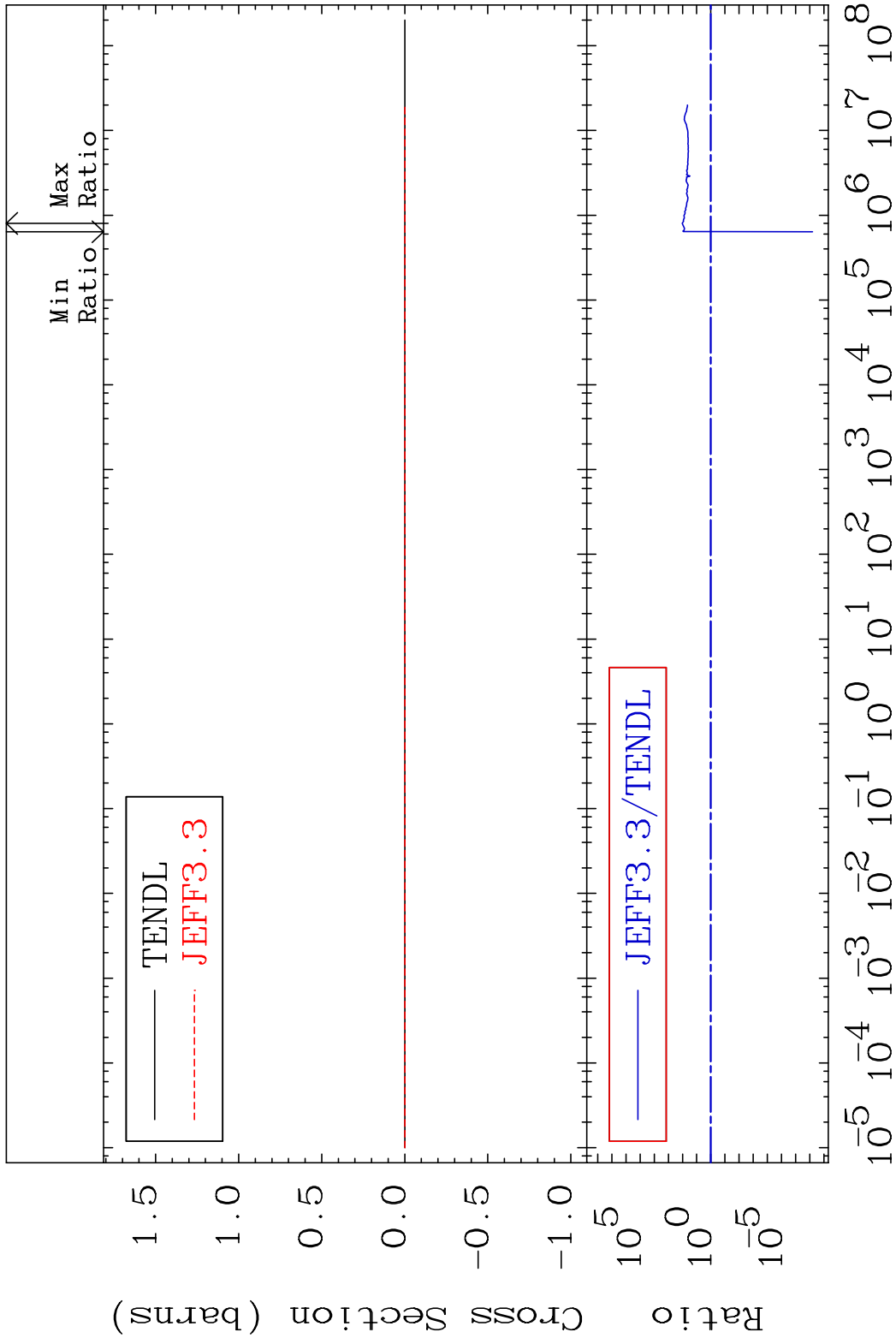
MAT 4831 Kerma non-elastic (all but mt2) 48-Cd-108
 Cross Section -100.0 To 9999. %



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



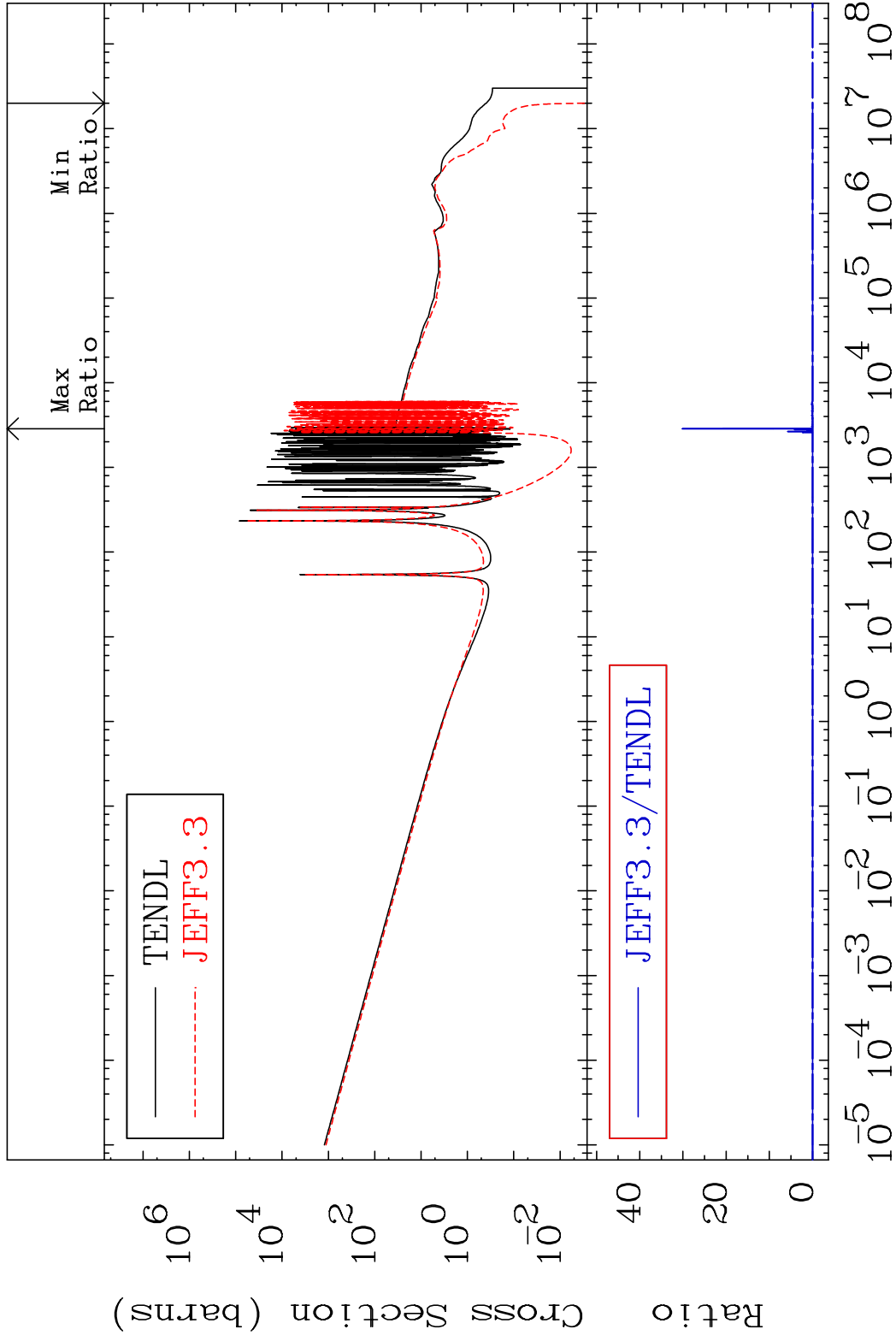
MAT 4831 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-108
 Cross Section -100.0 To 9999. %



MAT 4831

Kerma capture (mt102) 48-Cd-108

Cross Section -100.0 To 9999. %

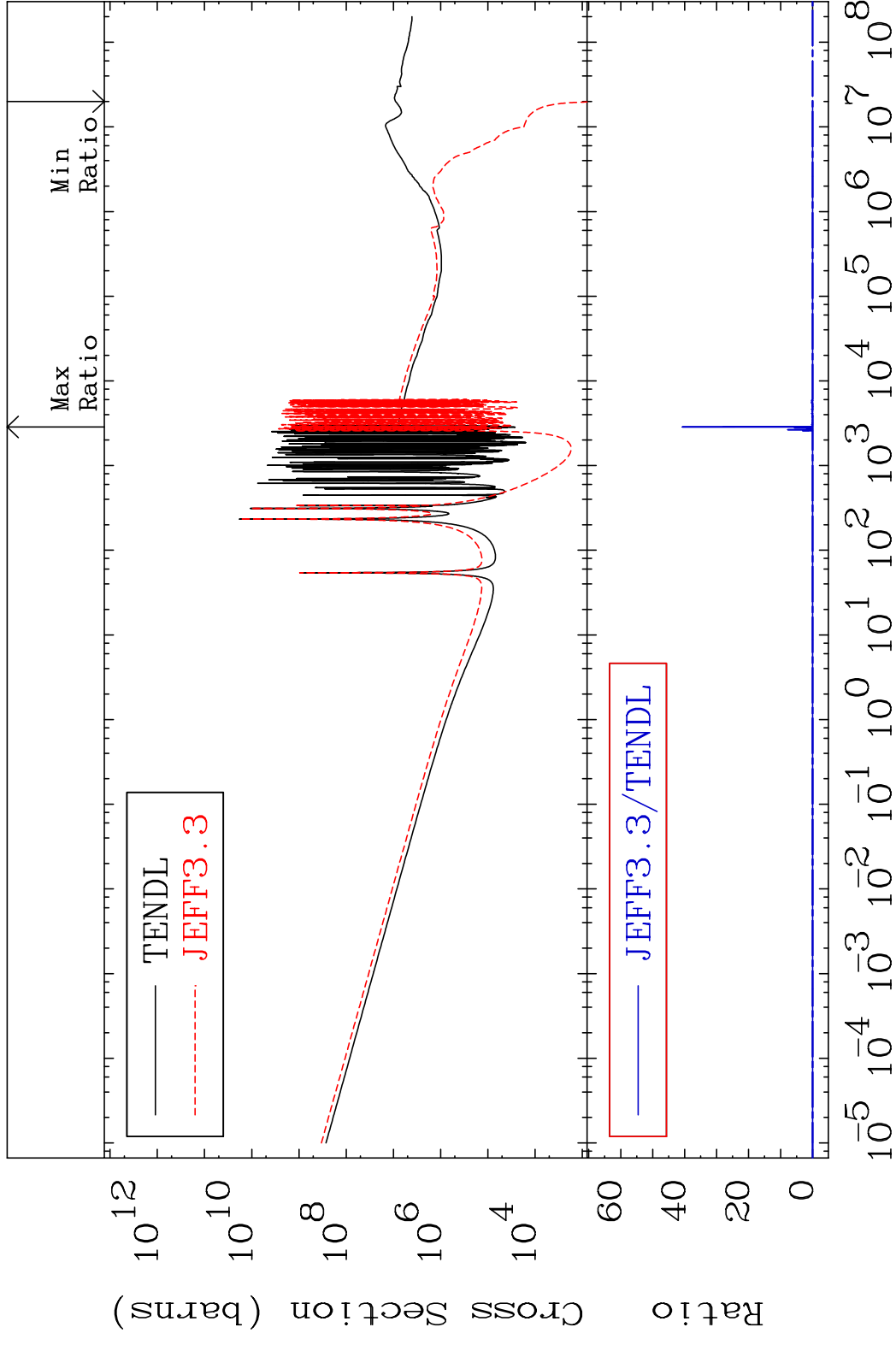


37

Incident Energy (eV)

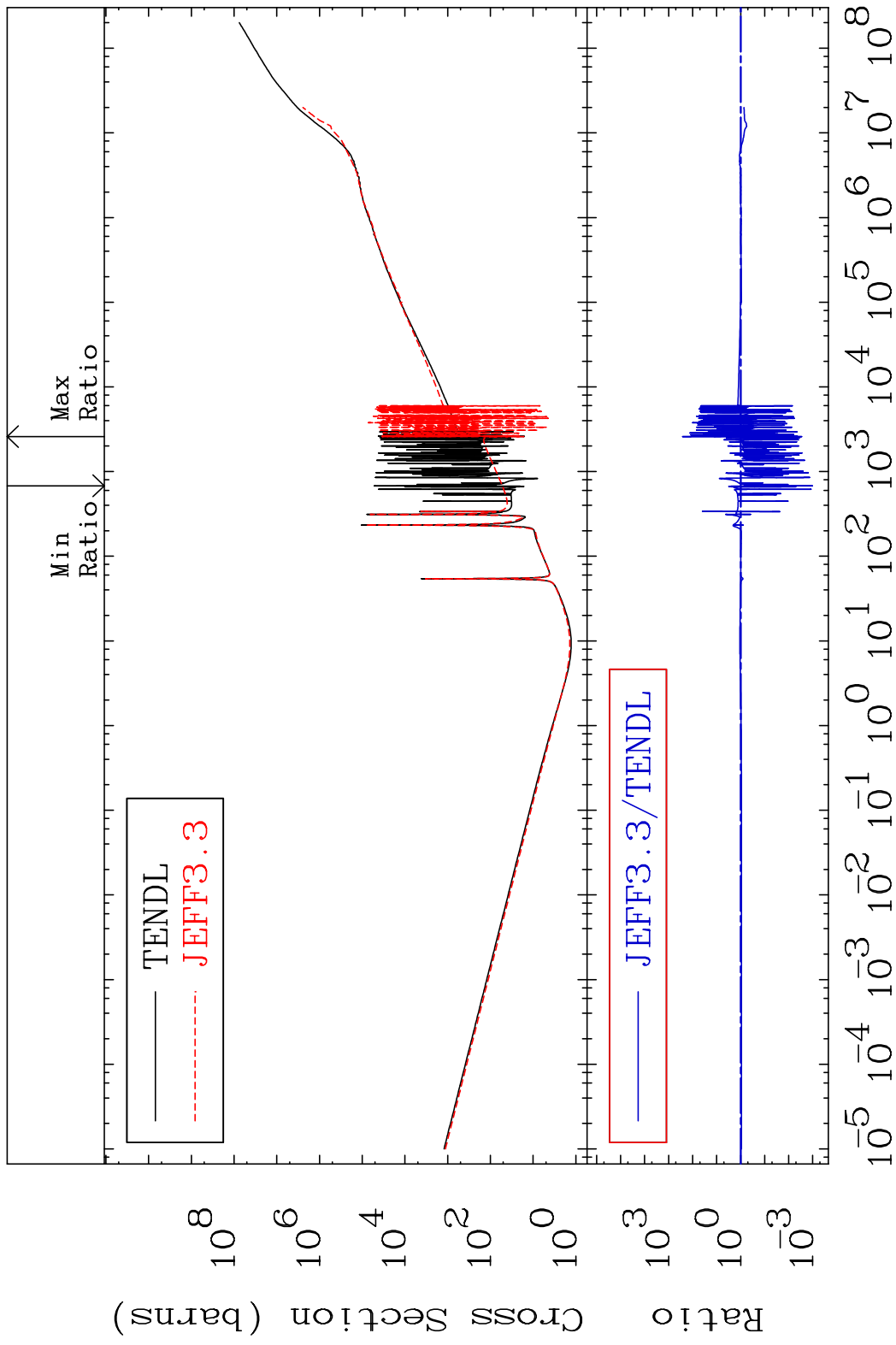
48-Cd-108

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

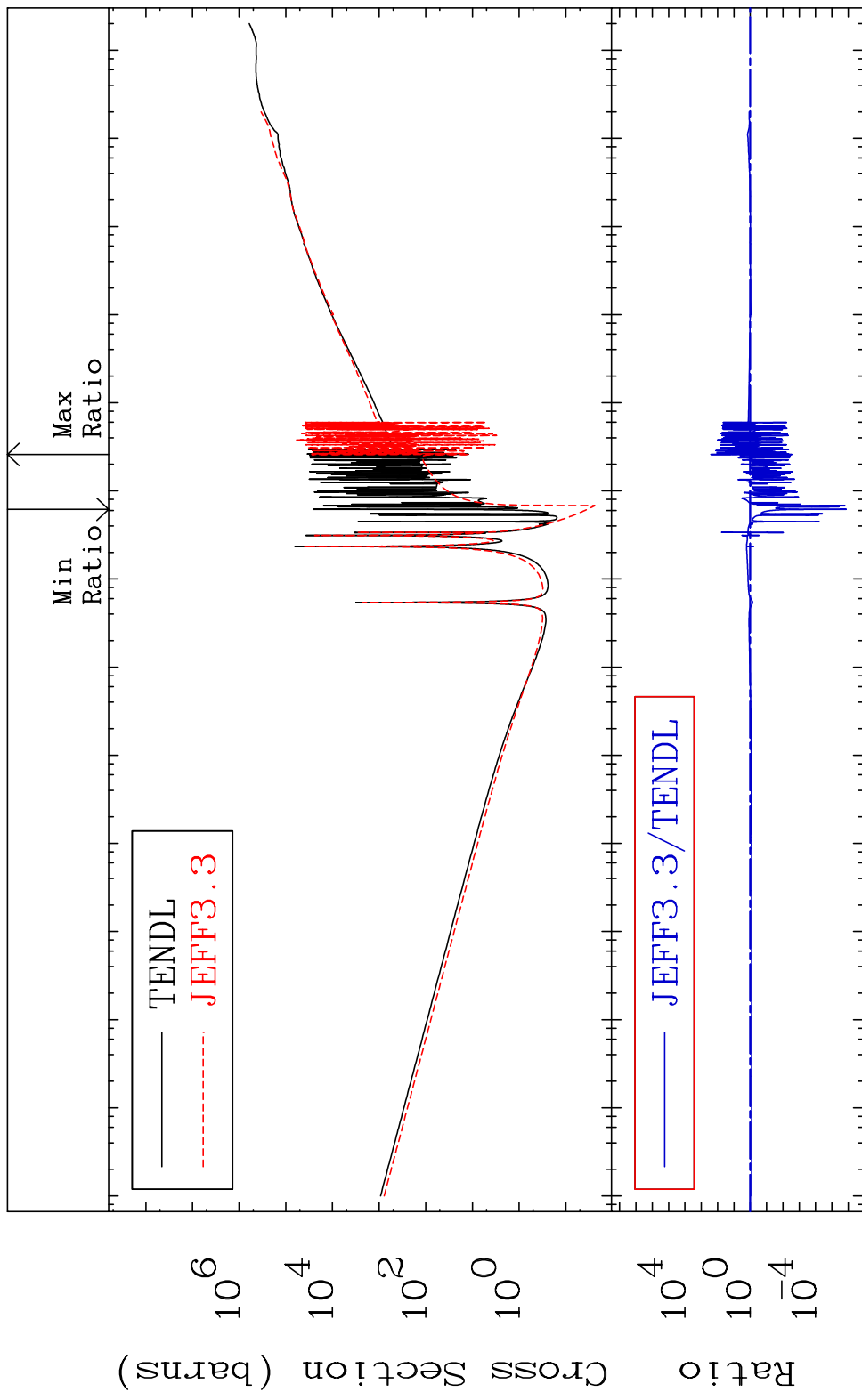


38 Incident Energy (eV) 48-Cd-108

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. %



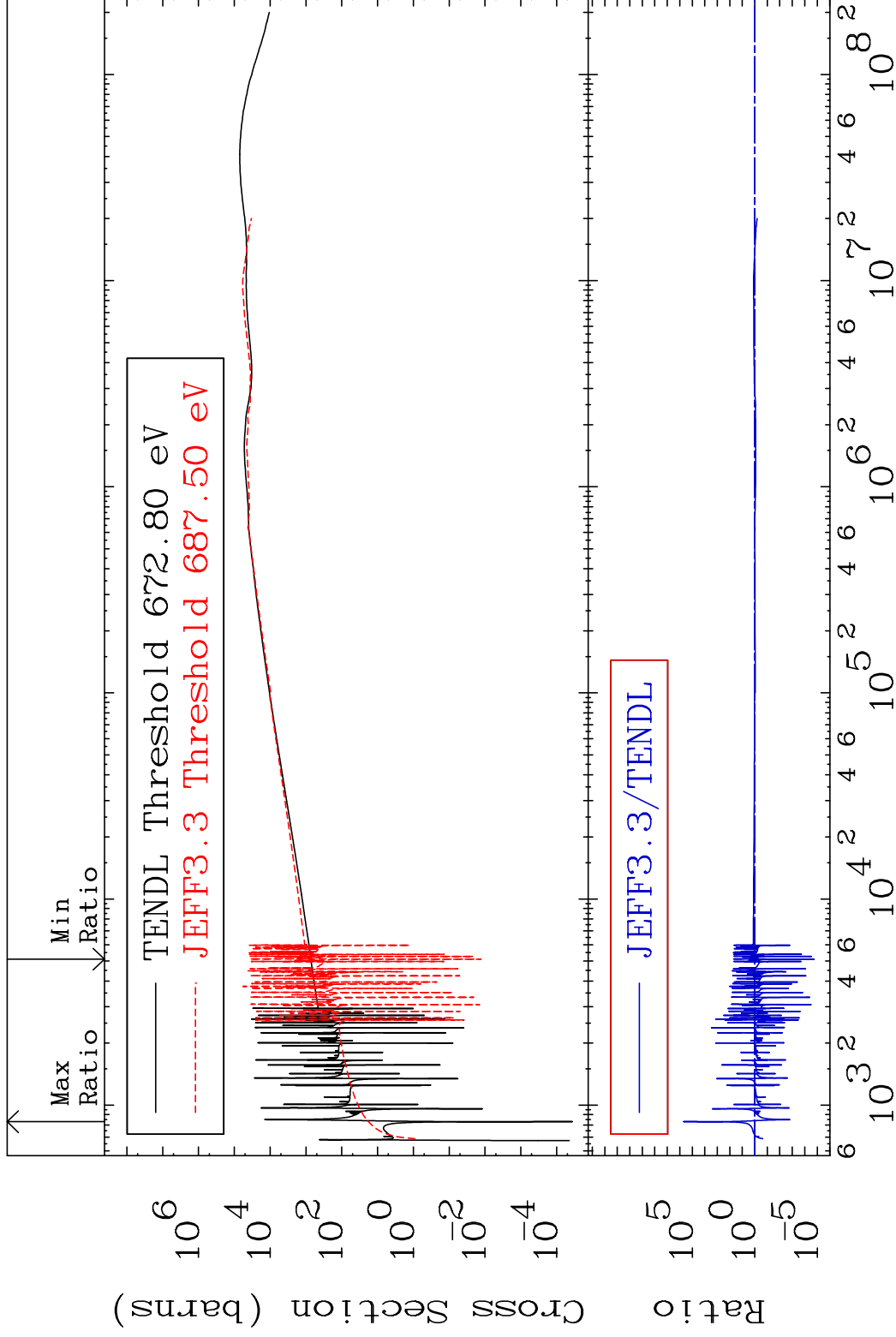
40 Incident Energy (eV) 48-Cd-108

MAT 4831

Dpa elastic (mt2)

48-Cd-108

Cross Section -100.0 To 9999. %

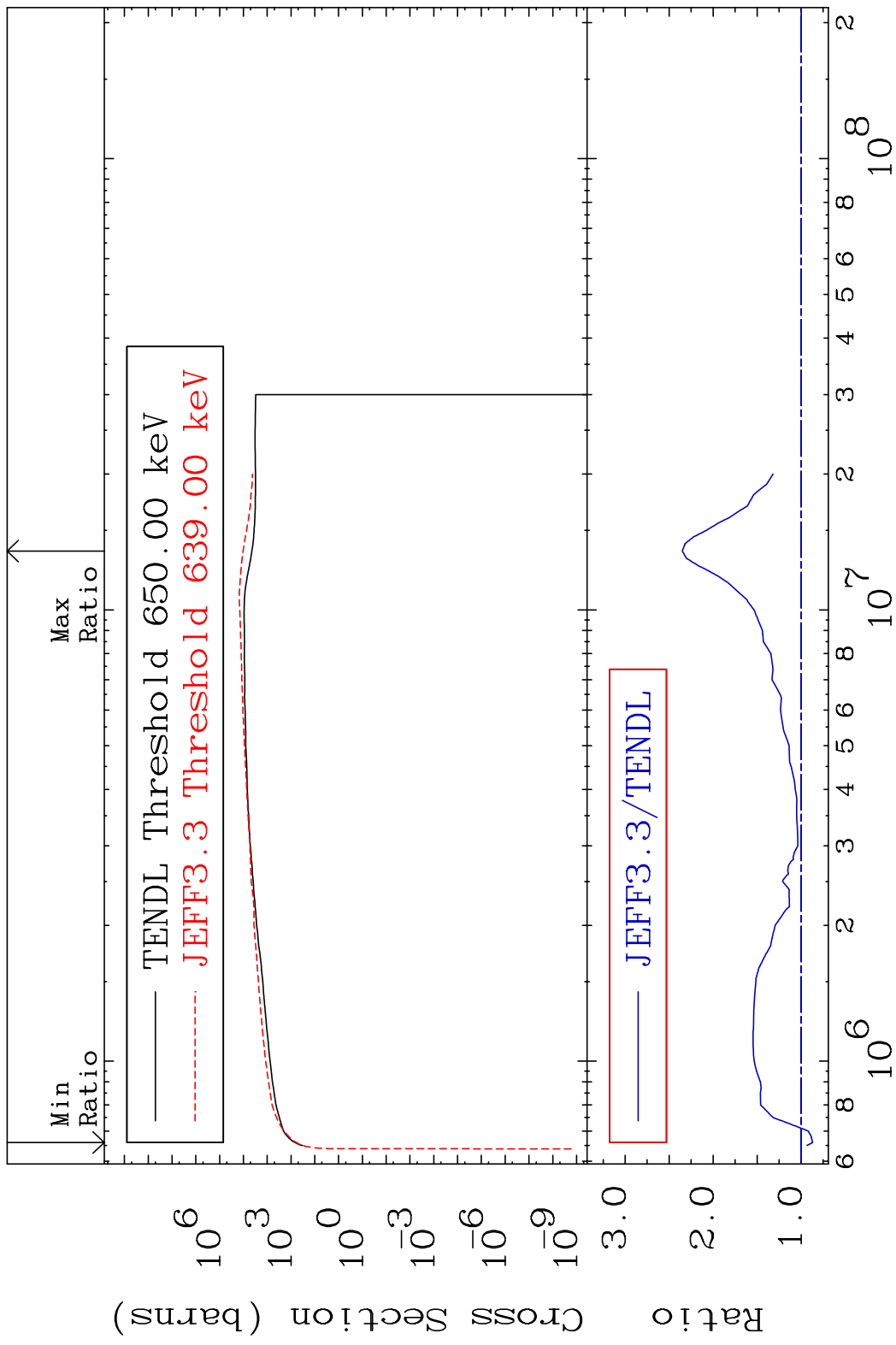


41

Incident Energy (eV)

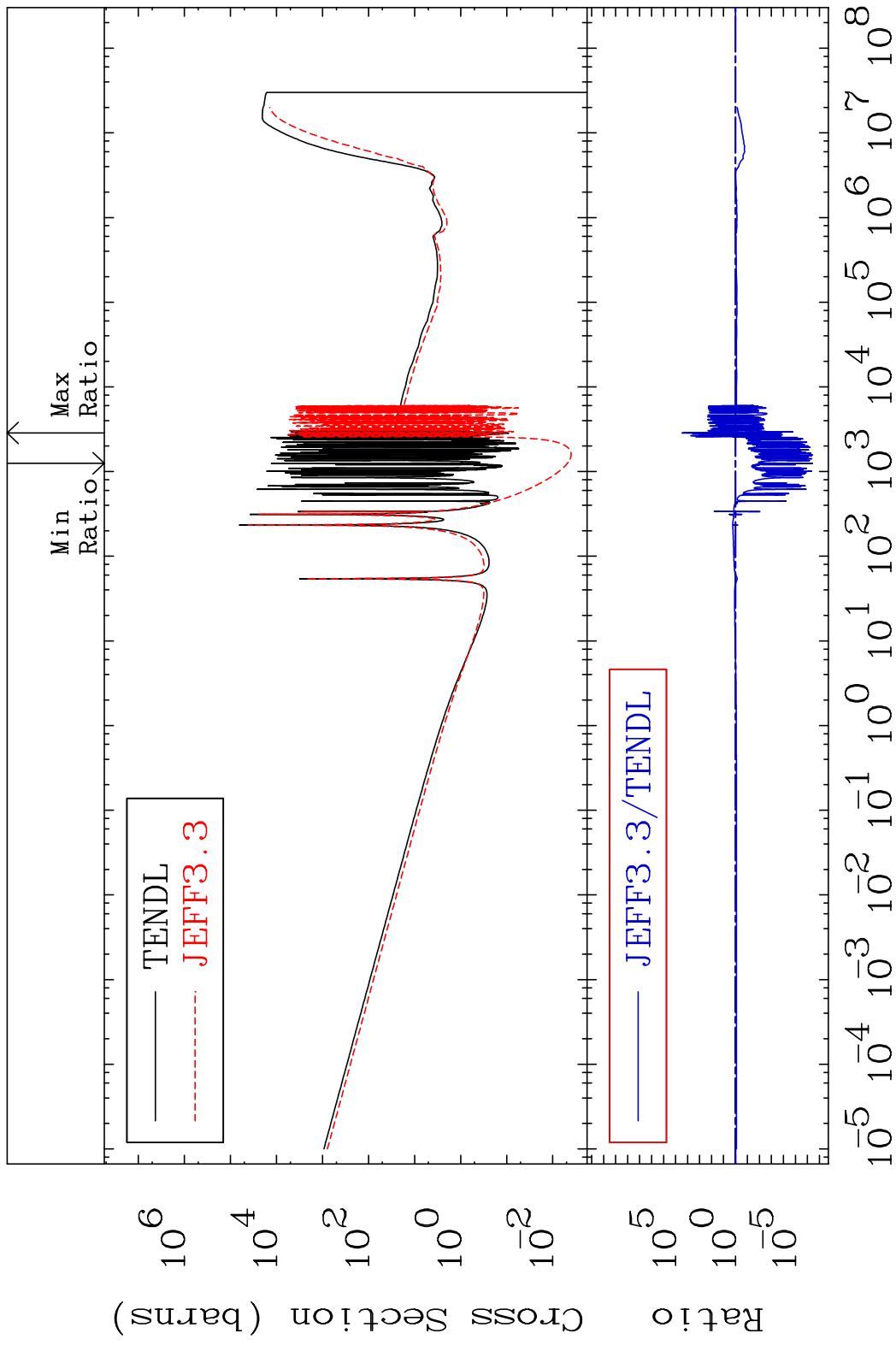
48-Cd-108

MAT 4831 Dpa inelastic (mt51-91) 48-Cd-108
 Cross Section -12.93 To 135.0 %



42 Incident Energy (eV) 48-Cd-108

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



43 Incident Energy (eV) 48-Cd-108