

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

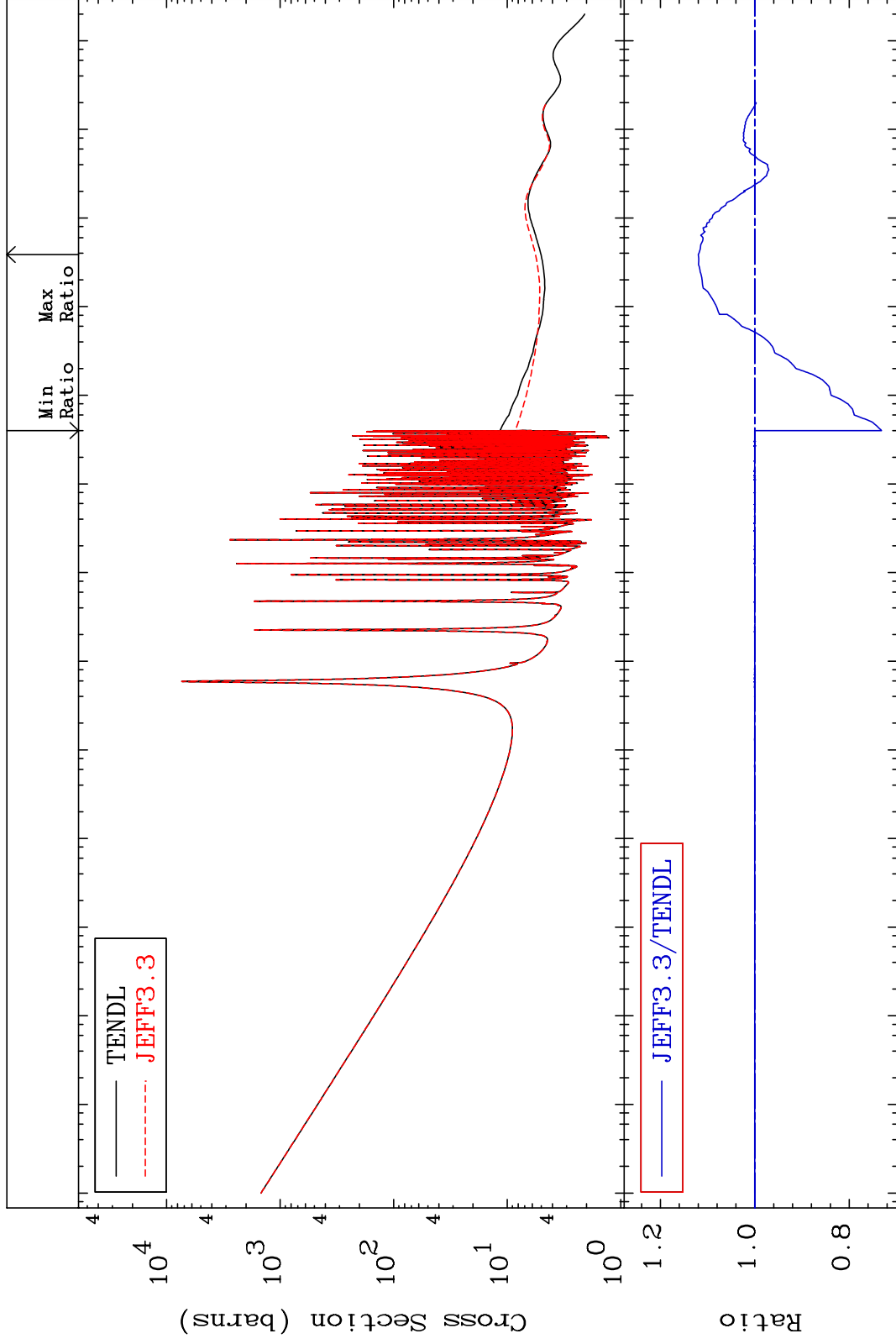
MAT 5525

Total

55-Cs-133

Cross Section

-26.84 To 11.96 %



Incident Energy (eV)

55-Cs-133

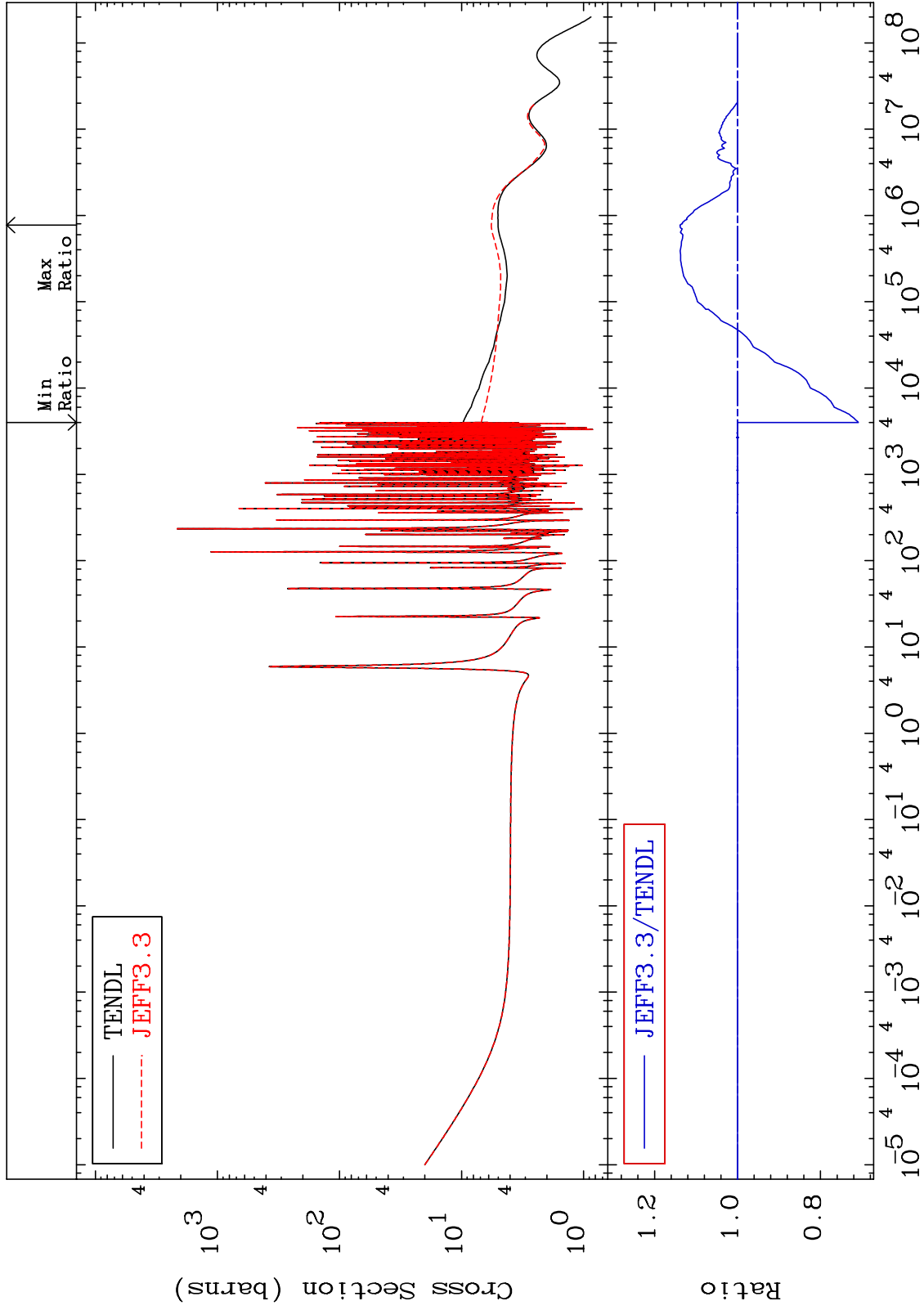
MAT 5525

Elastic

Cross Section

55-Cs-133

-29.13 To 13.86 %



2

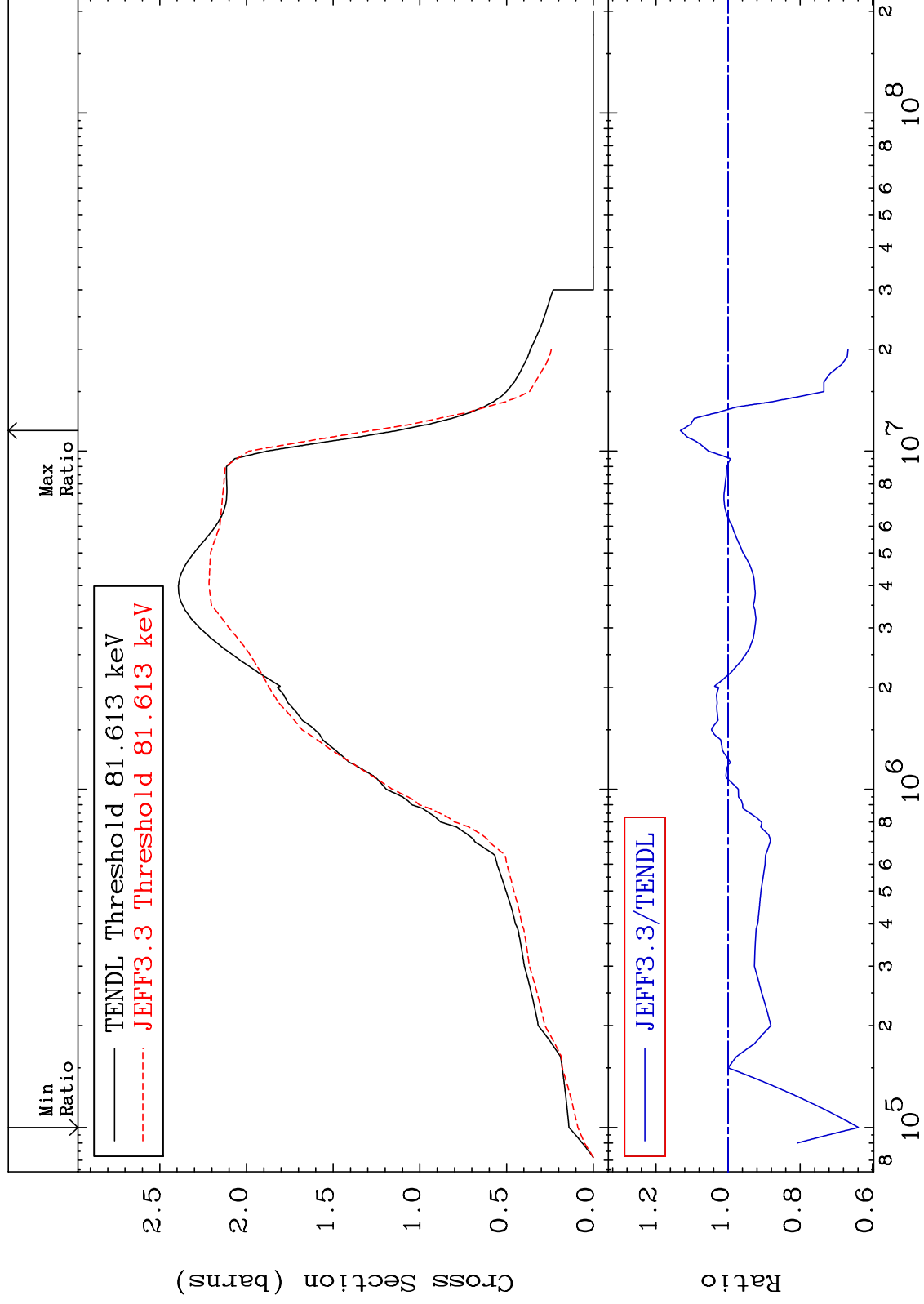
Incident Energy (eV)

55-Cs-133

MAT 5525

Inelastic
Cross Section

55-Cs-133
-36.16 To 13.19 %



3

Incident Energy (eV)

55-Cs-133

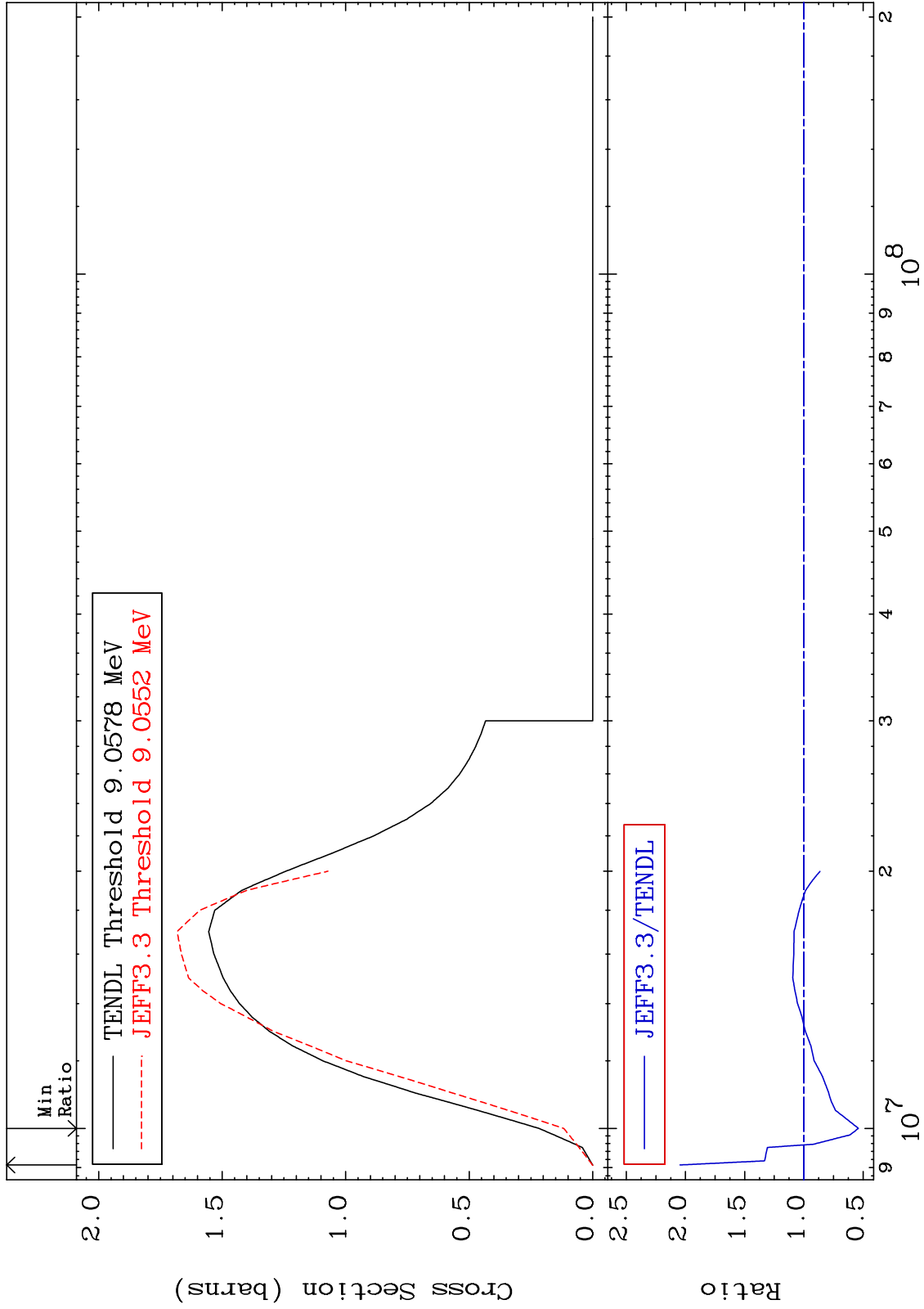
MAT 5525

(n,2n)

55-Cs-133

Cross Section

-46.07 To 104.6 %



55-Cs-133

Incident Energy (eV)

4

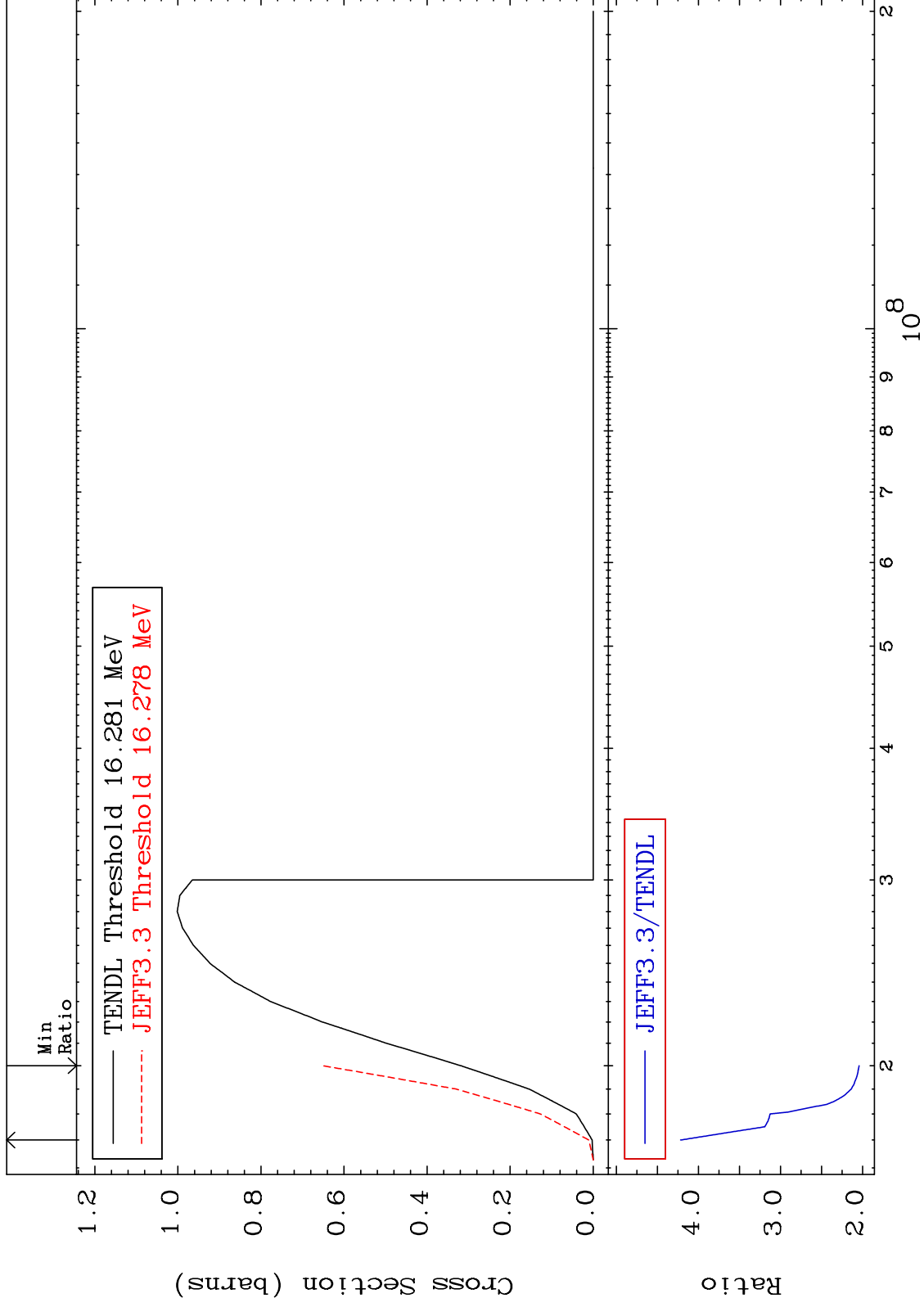
MAT 5525

(n, 3n)

55-Cs-133

Cross Section

104.2 To 321.8 %



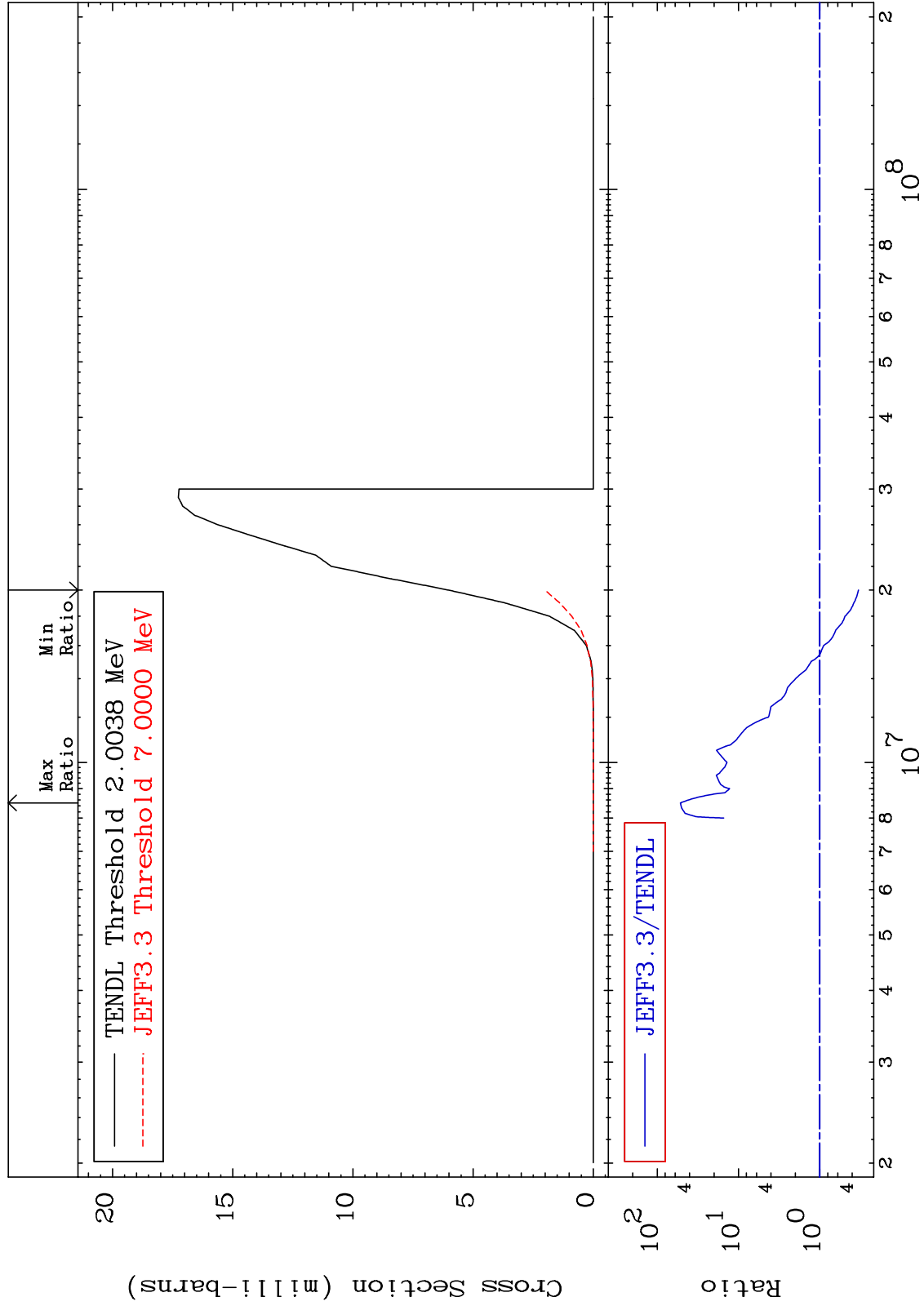
MAT 5525

(n,n') α

55-Cs-133

-66.59 To 5077. %

Cross Section



MAT 5525

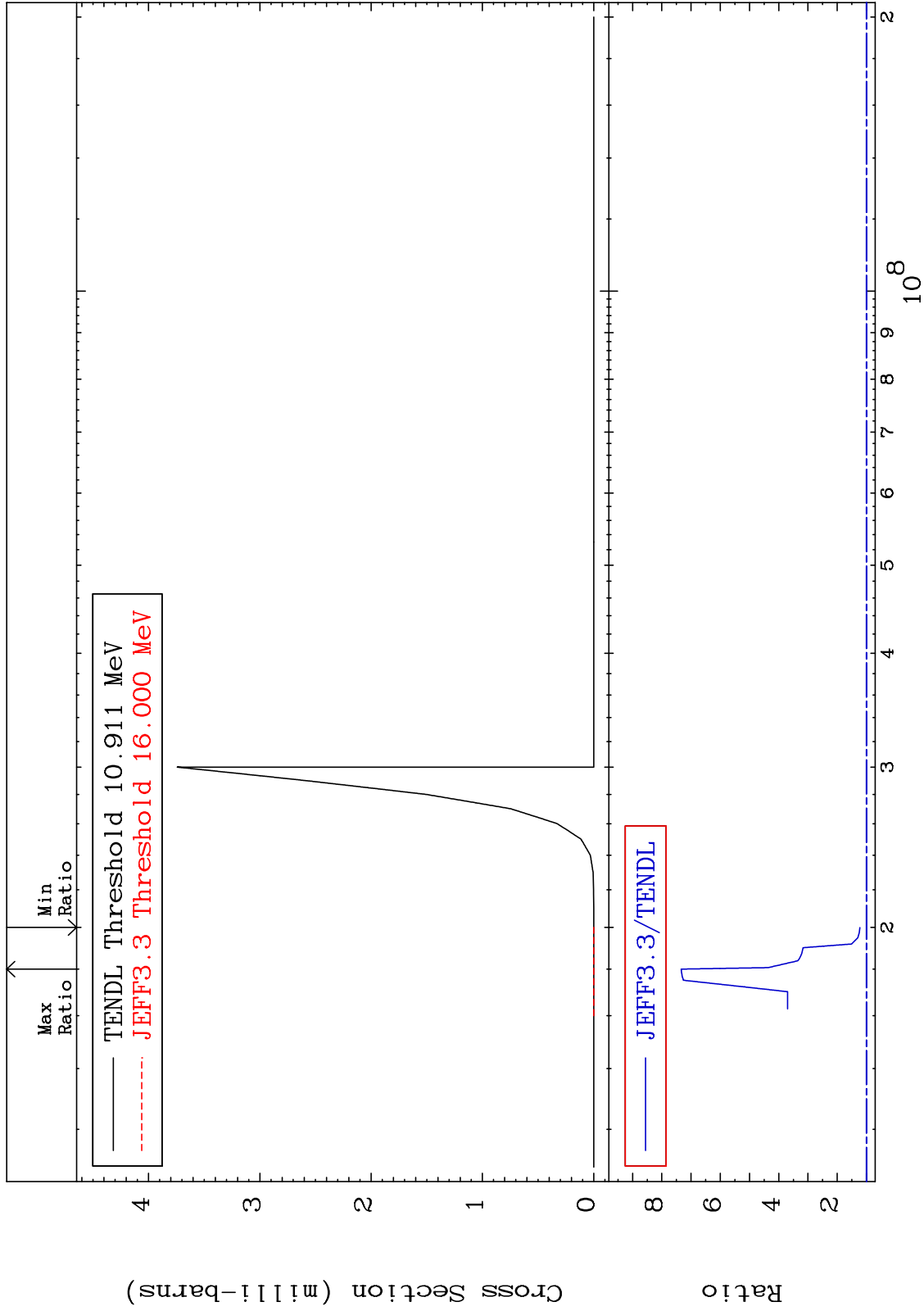
(n,2n) α

55-Cs-133

Cross Section

22.26

To 633.6 %



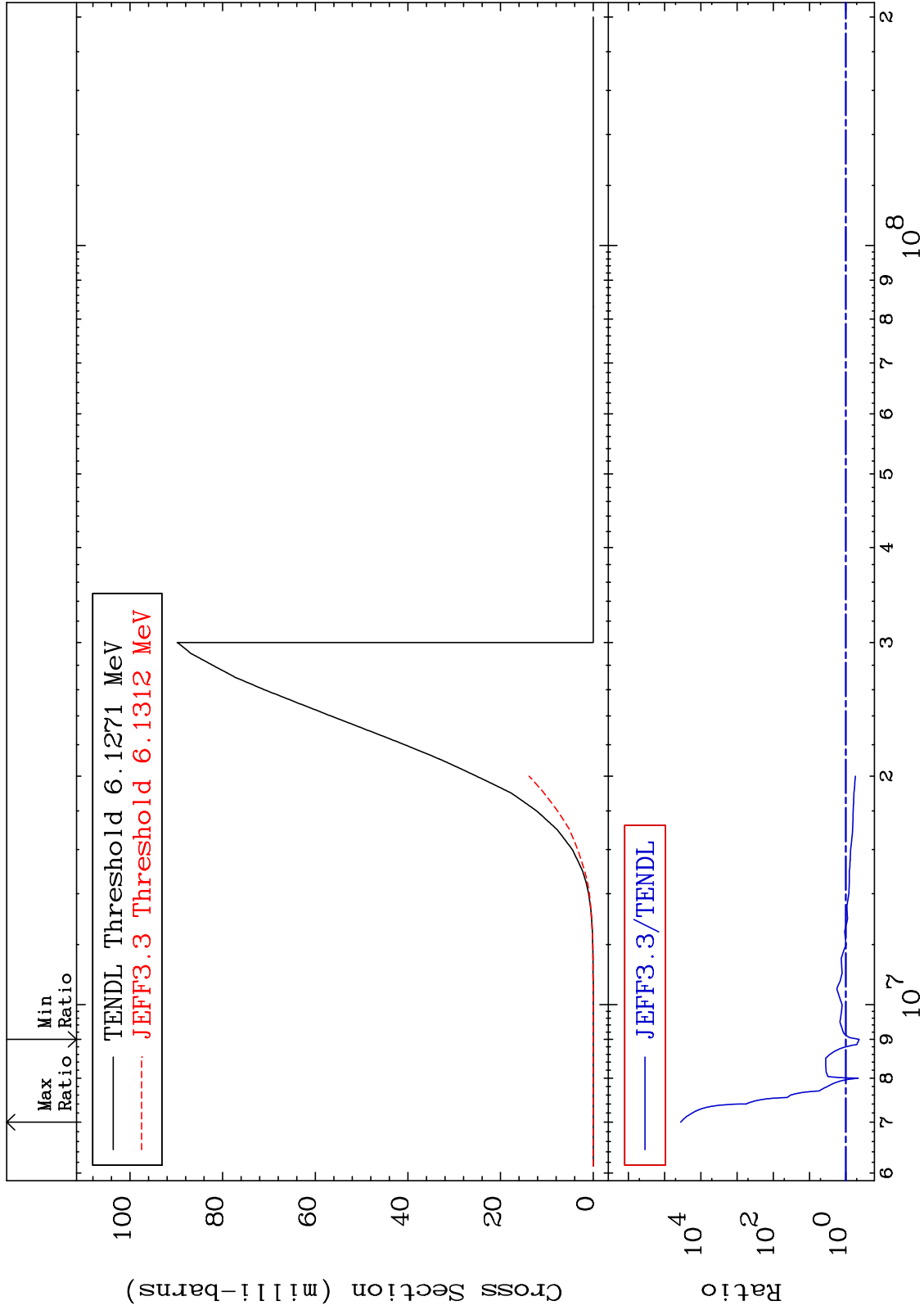
MAT 5525

(n,n') p

55-Cs-133

Cross Section

-57.01 To 9999. %



8

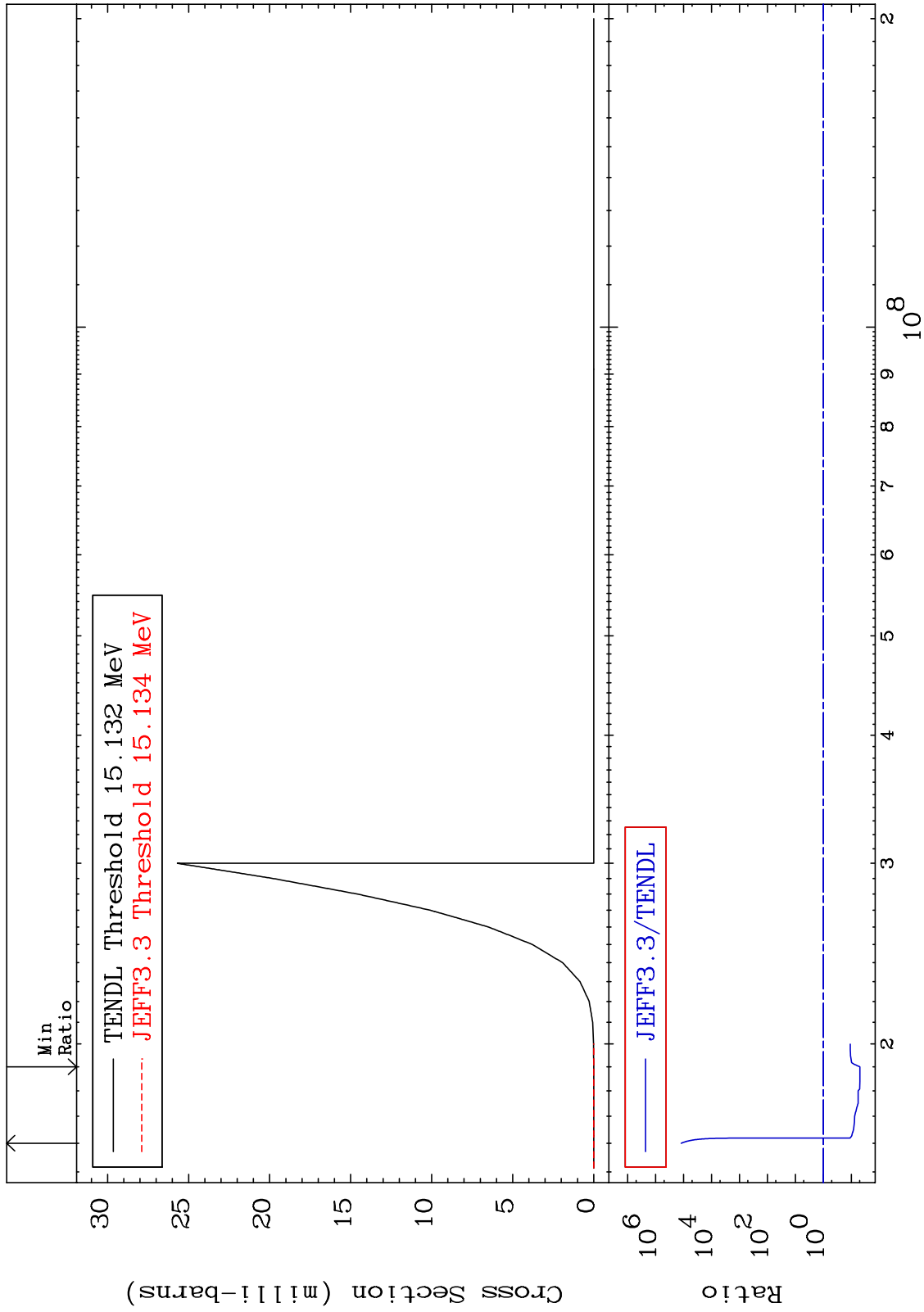
Incident Energy (eV)

55-Cs-133

MAT 5525

(n,2n) p
Cross Section

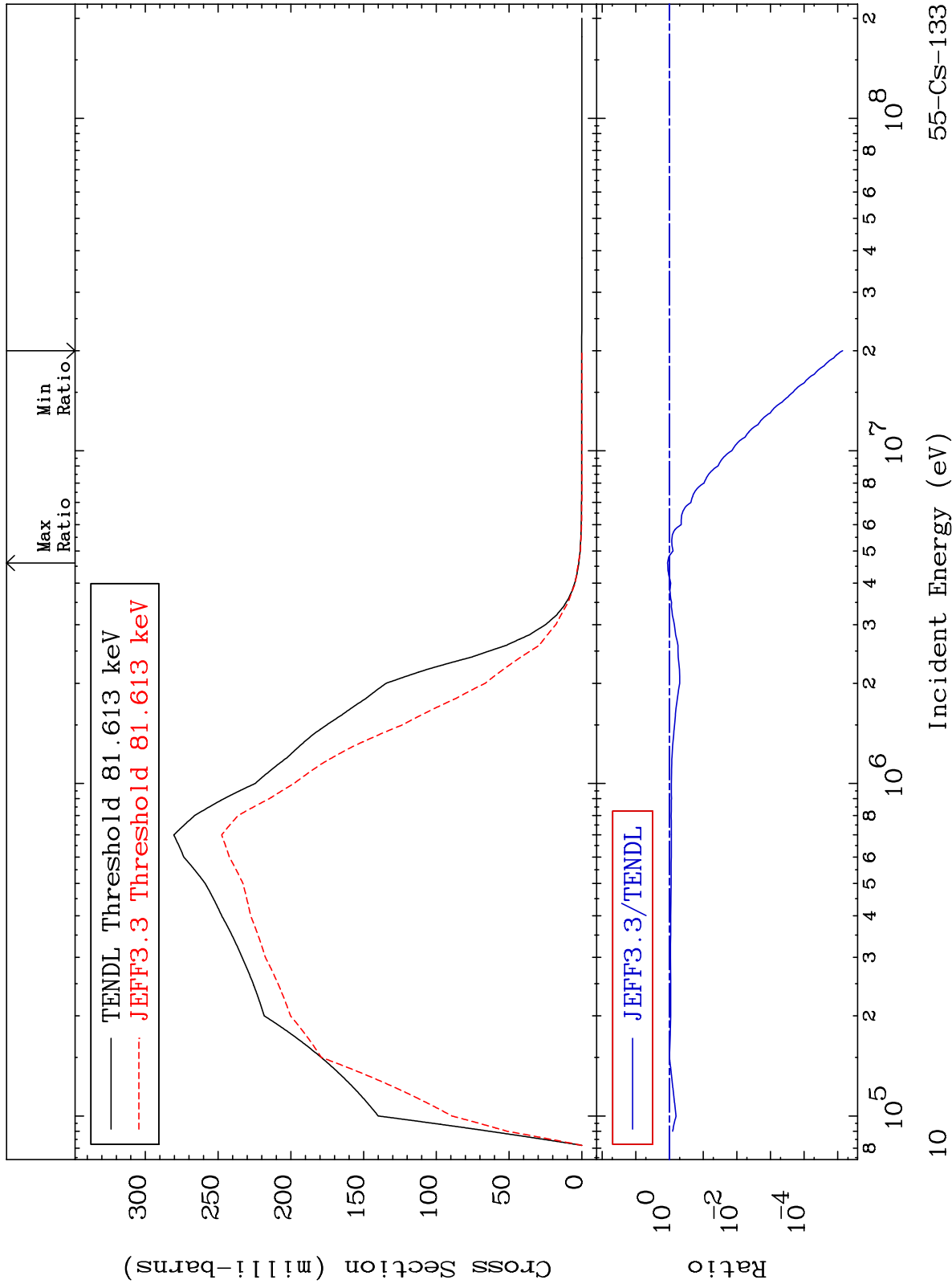
55-Cs-133
-95.10 To 9999. %



MAT 5525

MT= 51 (n,n') Level
Cross Section

55-Cs-133
-100.0 To 14.14 %

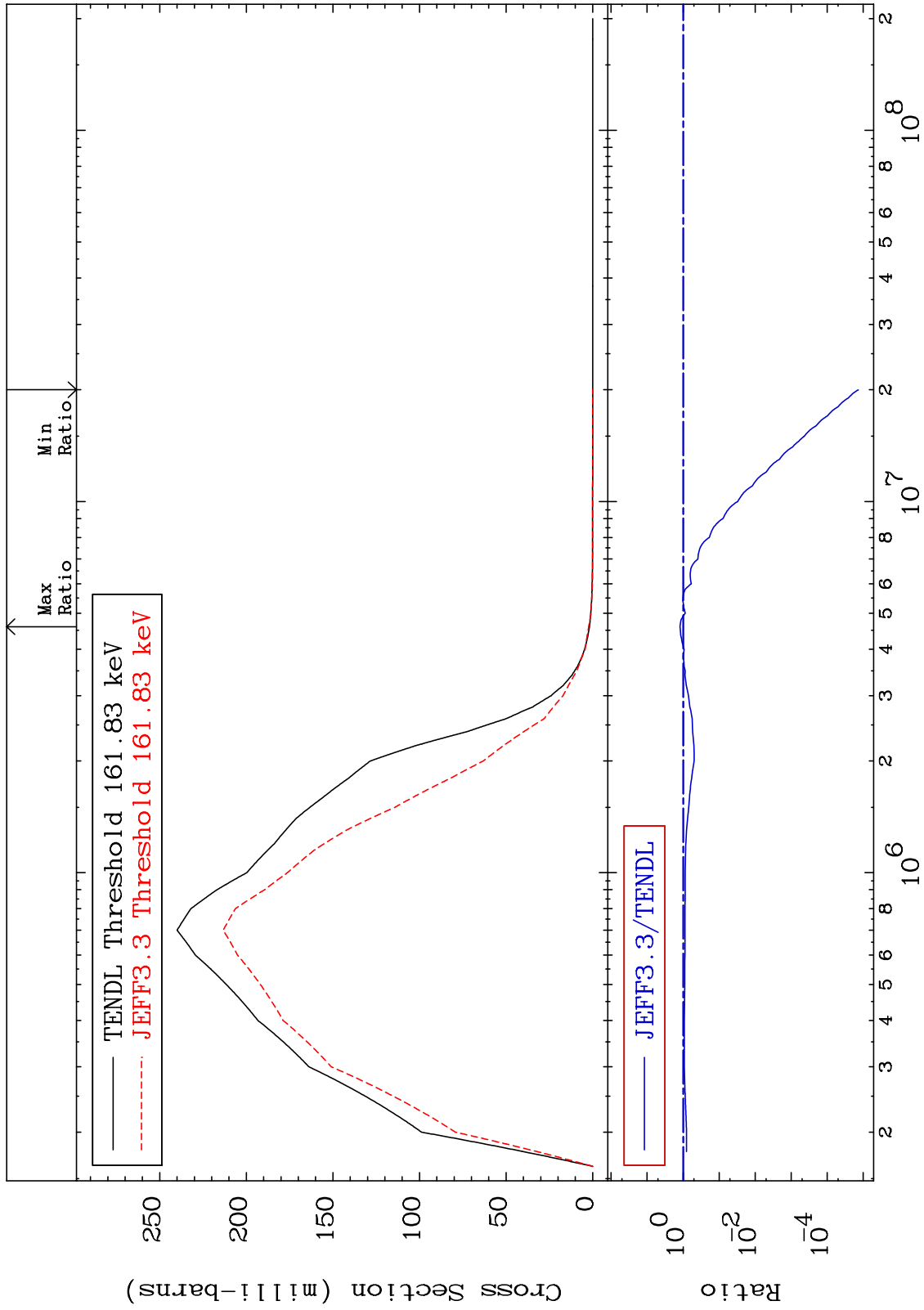


55-Cs-133

MAT 5525

MT= 52 (n, n') Level
Cross Section

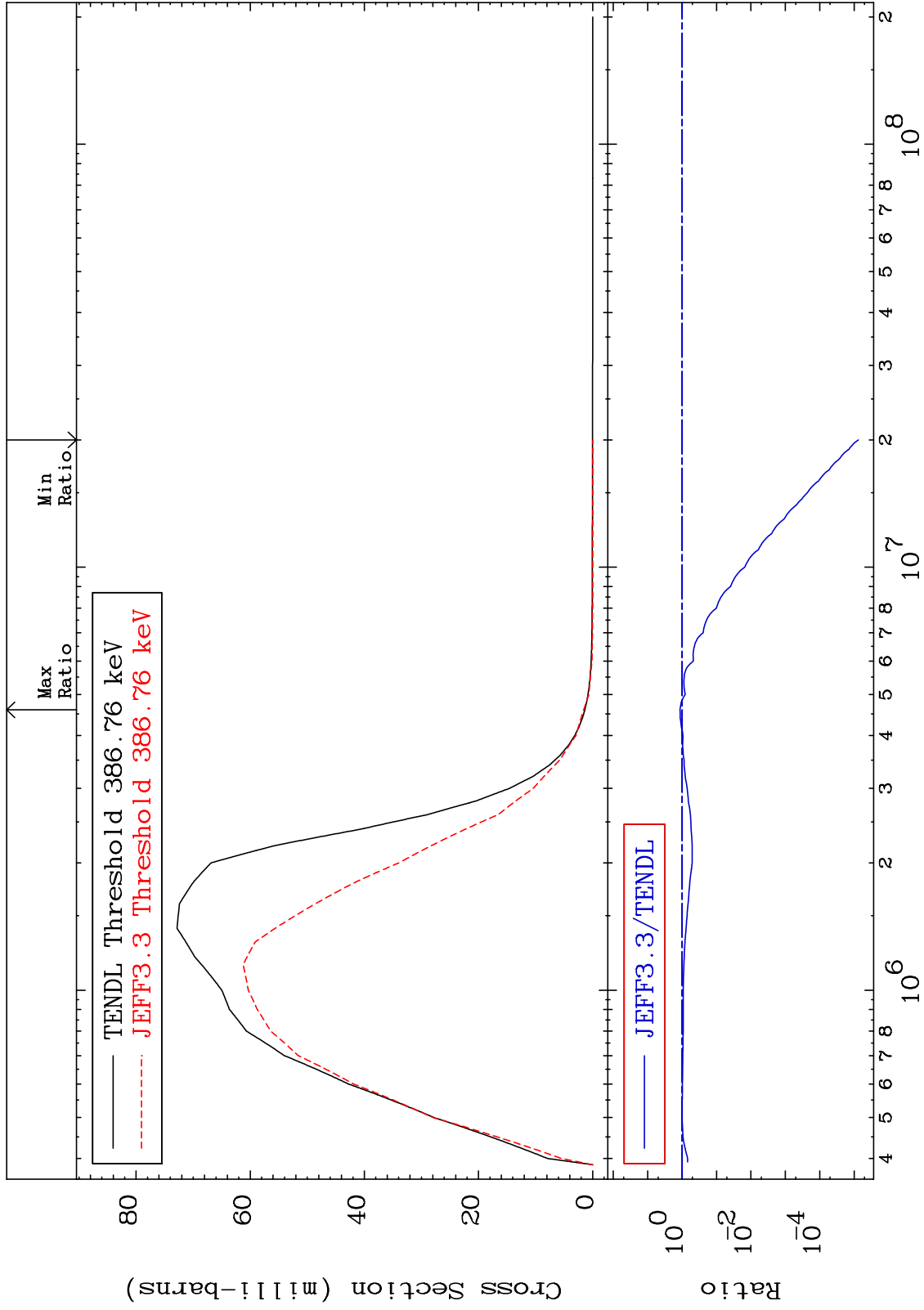
55-Cs-133
-100.0 To 21.88 %



MAT 5525

MT= 53 (n,n') Level
Cross Section

55-Cs-133
-100.0 To 14.86 %



12

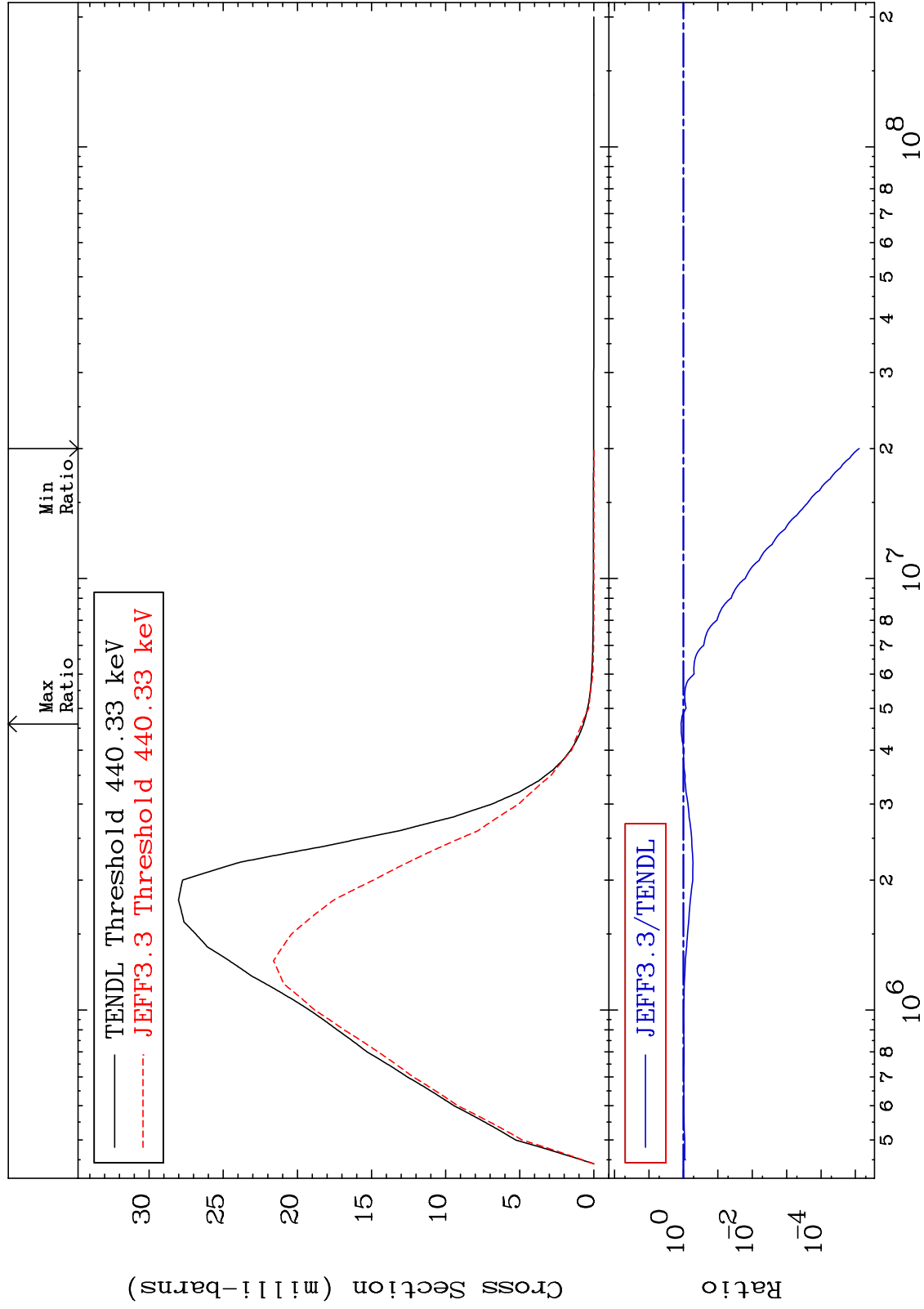
Incident Energy (eV)

55-Cs-133

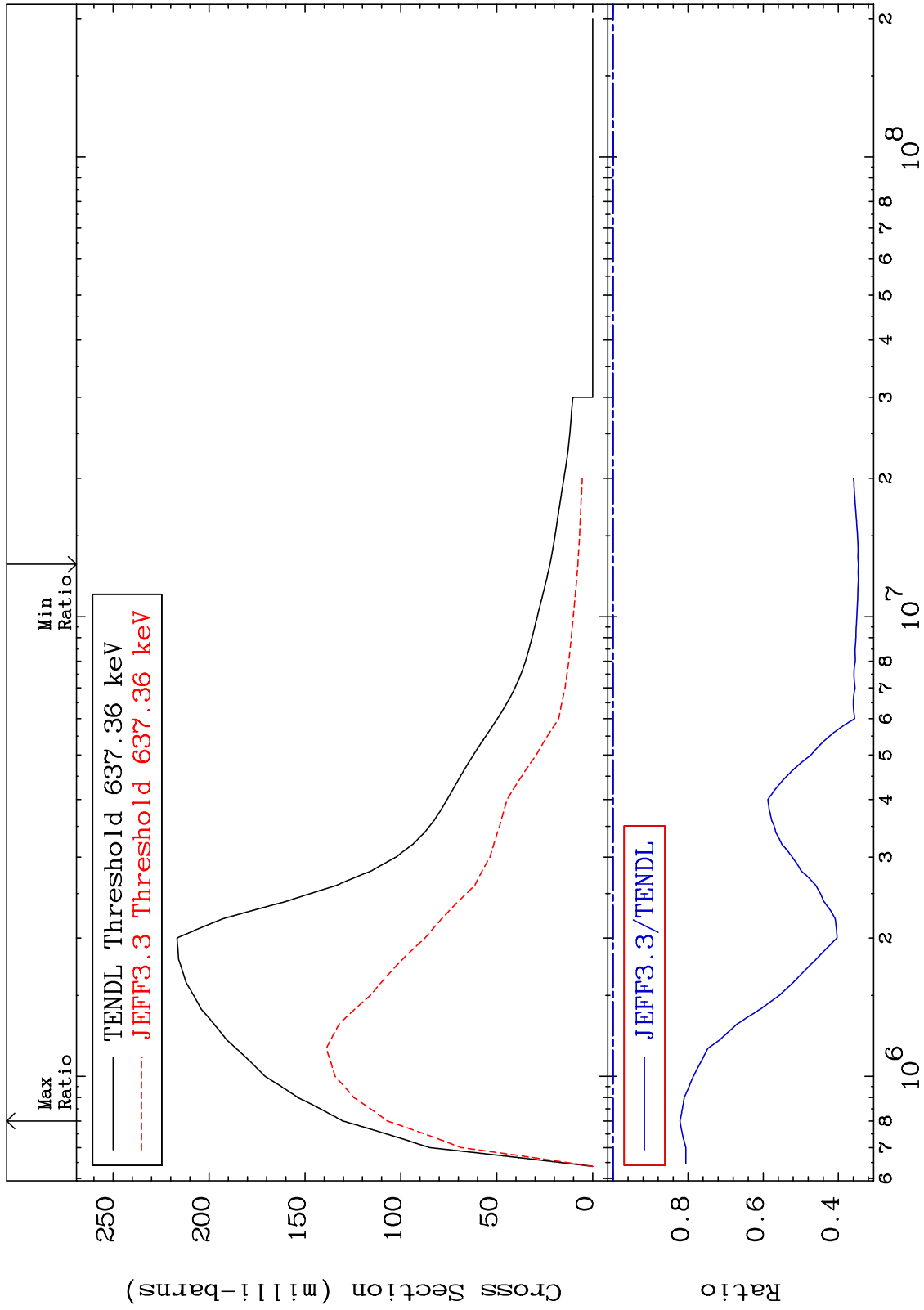
MAT 5525

MT= 54 (n, n') Level
Cross Section

55-Cs-133
-100.0 To 16.57 %



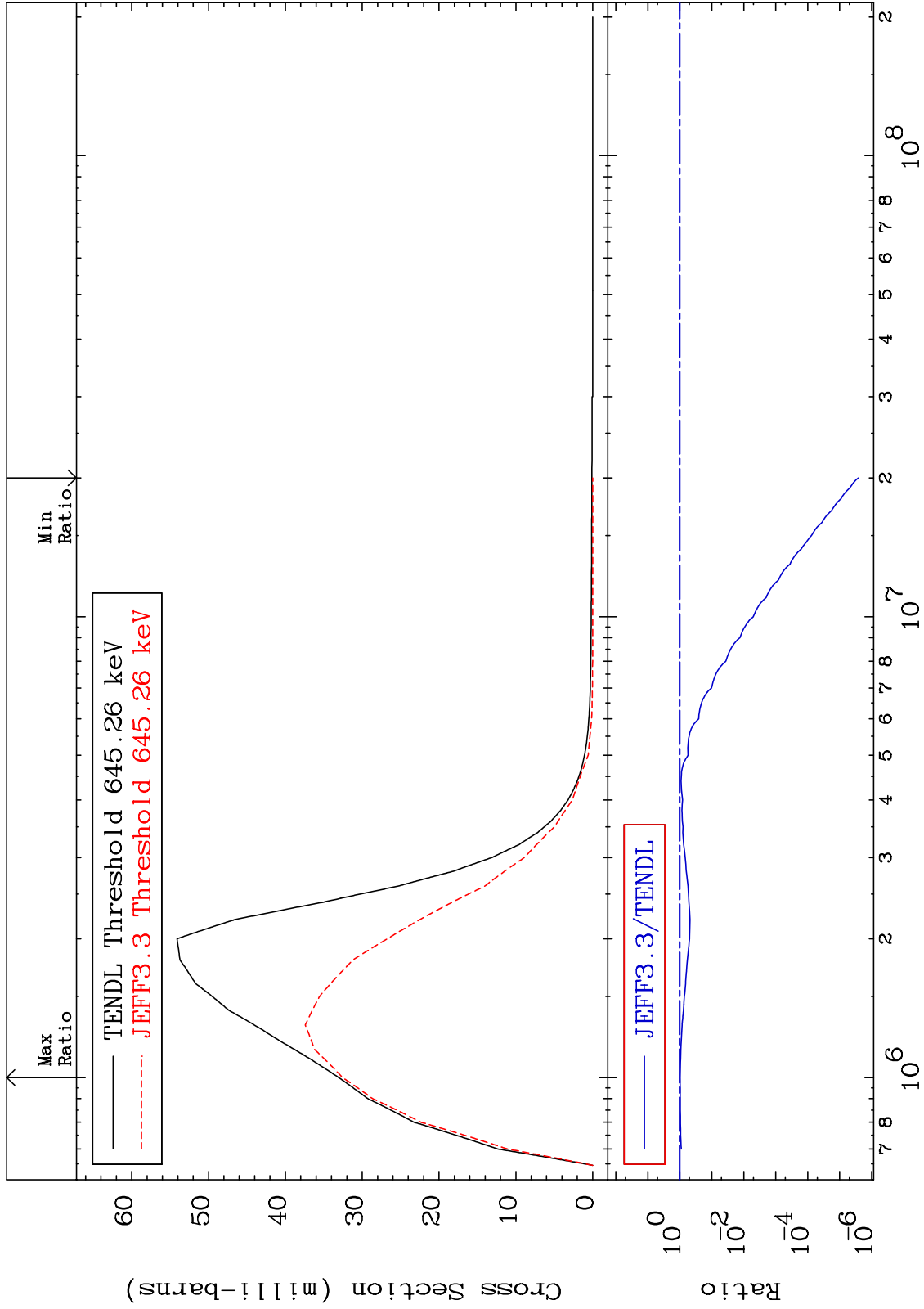
MAT 5525 MT= 55 (n,n') Level Cross Section 55-Cs-133 -65.36 To -17.85%



MAT 5525

MT= 56 (n,n') Level
Cross Section

55-Cs-133
-100.0 To -1.531%



15

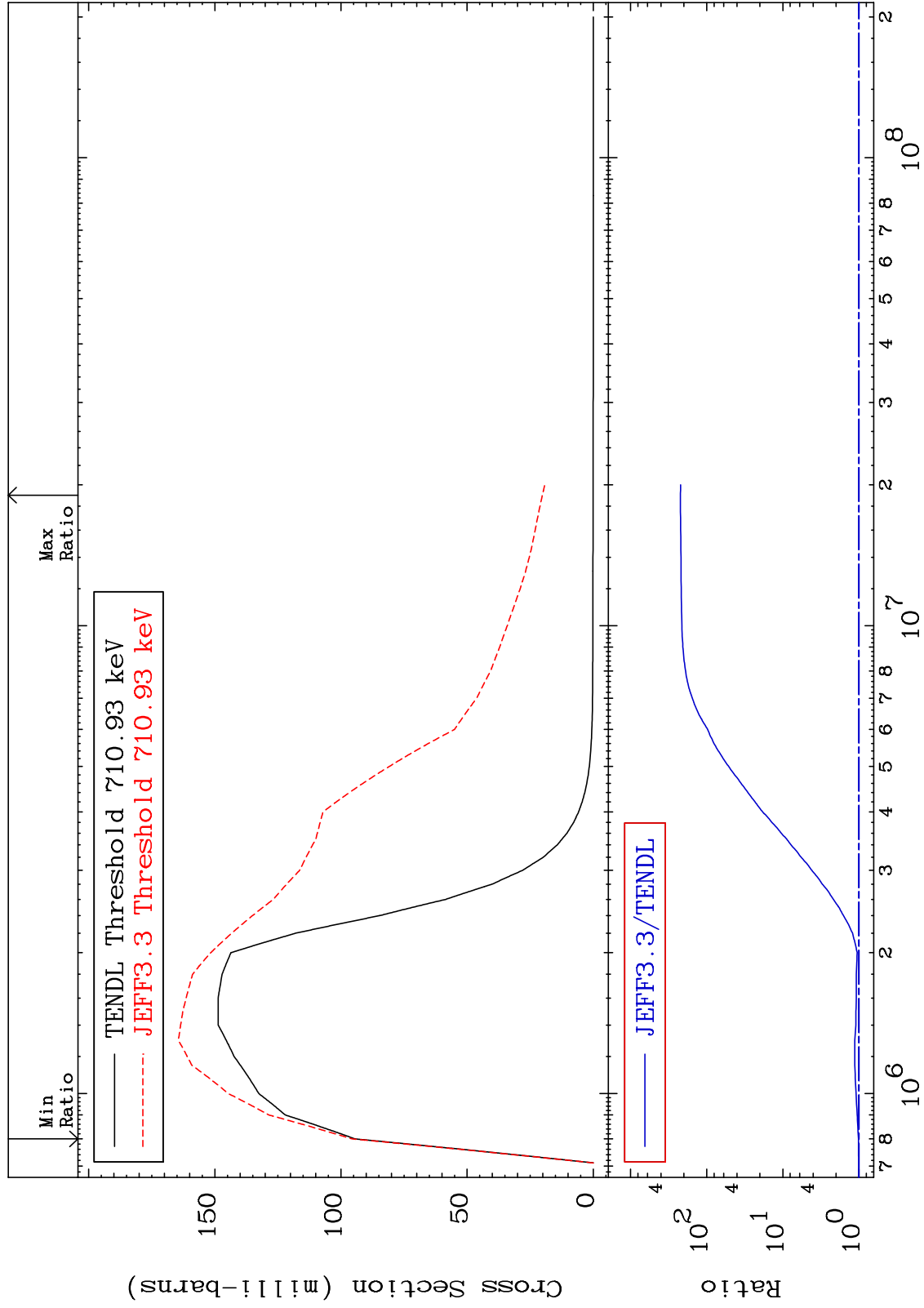
Incident Energy (eV)

55-Cs-133

MAT 5525

MT= 57 (n,n') Level
Cross Section

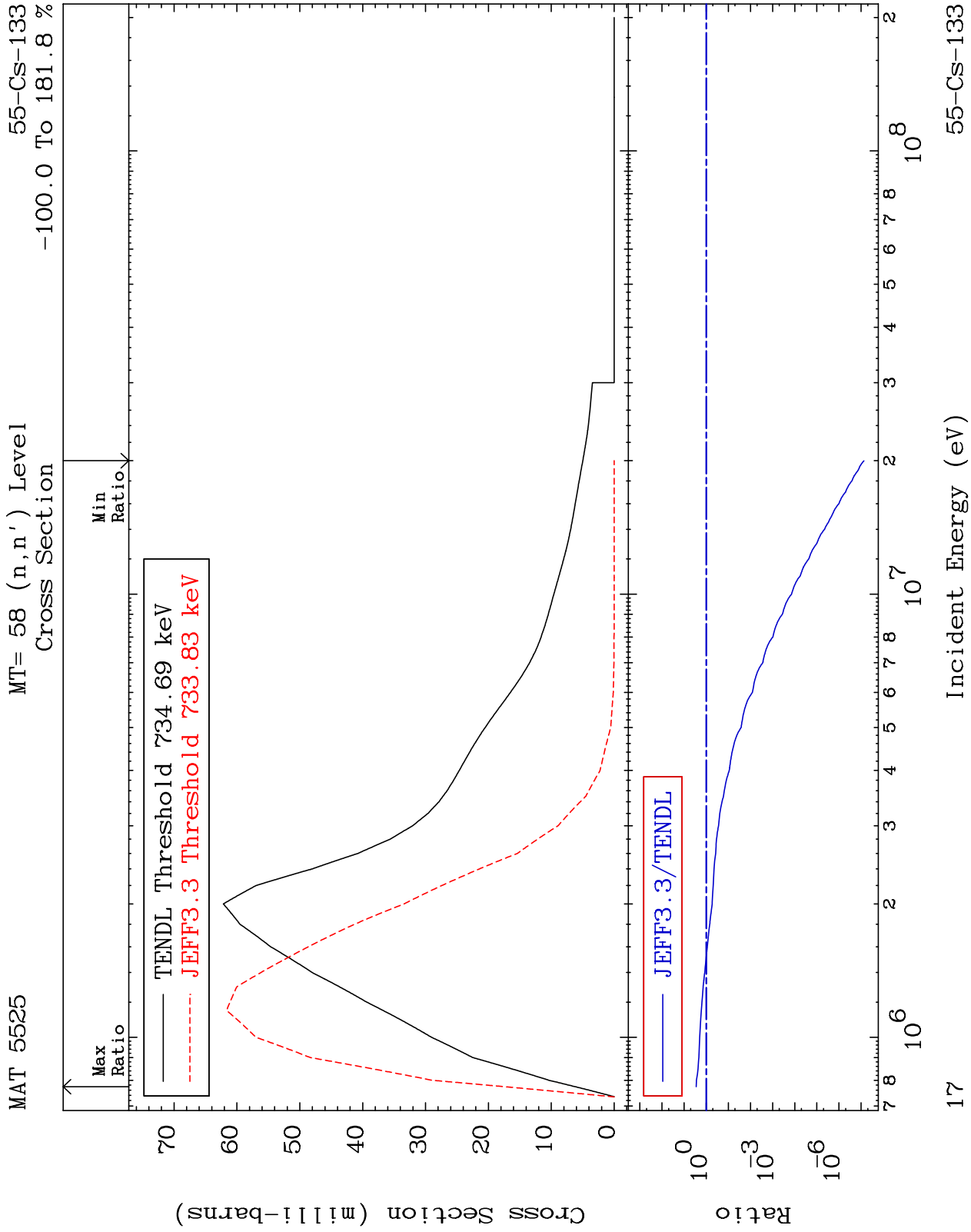
1.239 To 9999. %
55-Cs-133



16

Incident Energy (eV)

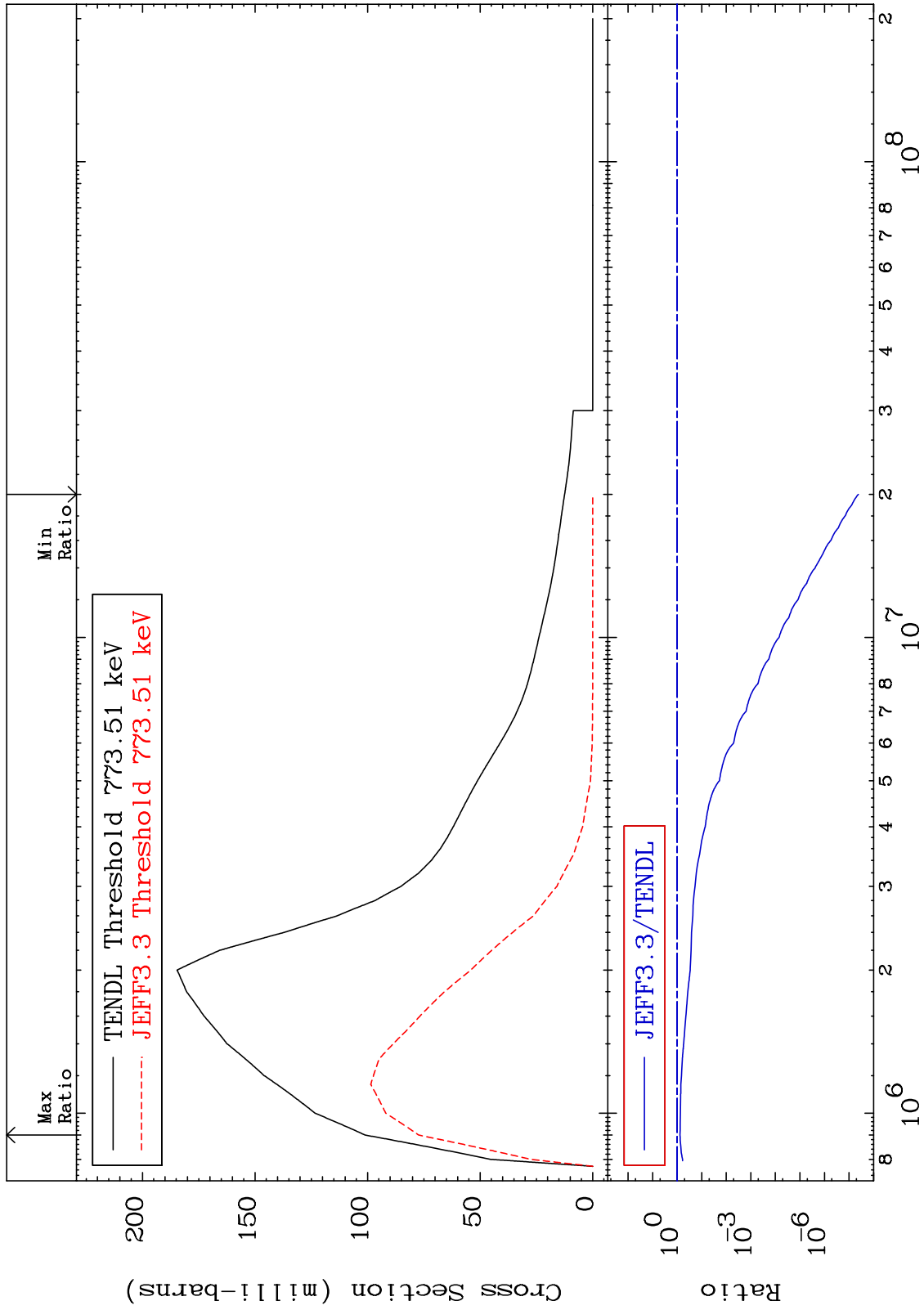
55-Cs-133



MAT 5525

MT= 59 (n,n') Level
Cross Section

55-Cs-133
-100.0 To -23.53%



18

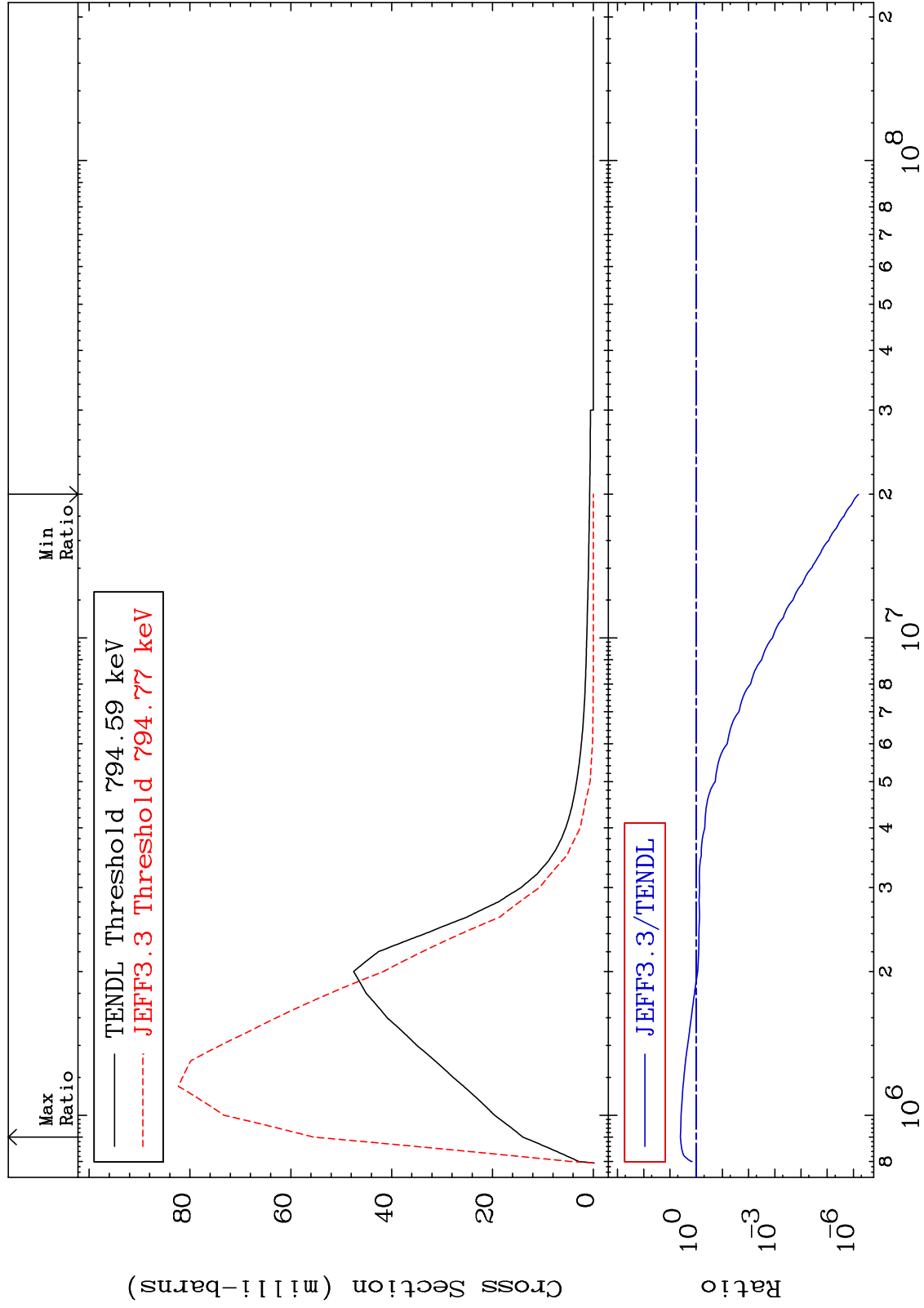
Incident Energy (eV)

55-Cs-133

MAT 5525

MT= 60 (n,n') Level
Cross Section

55-Cs-133
-100.0 To 297.2 %



19

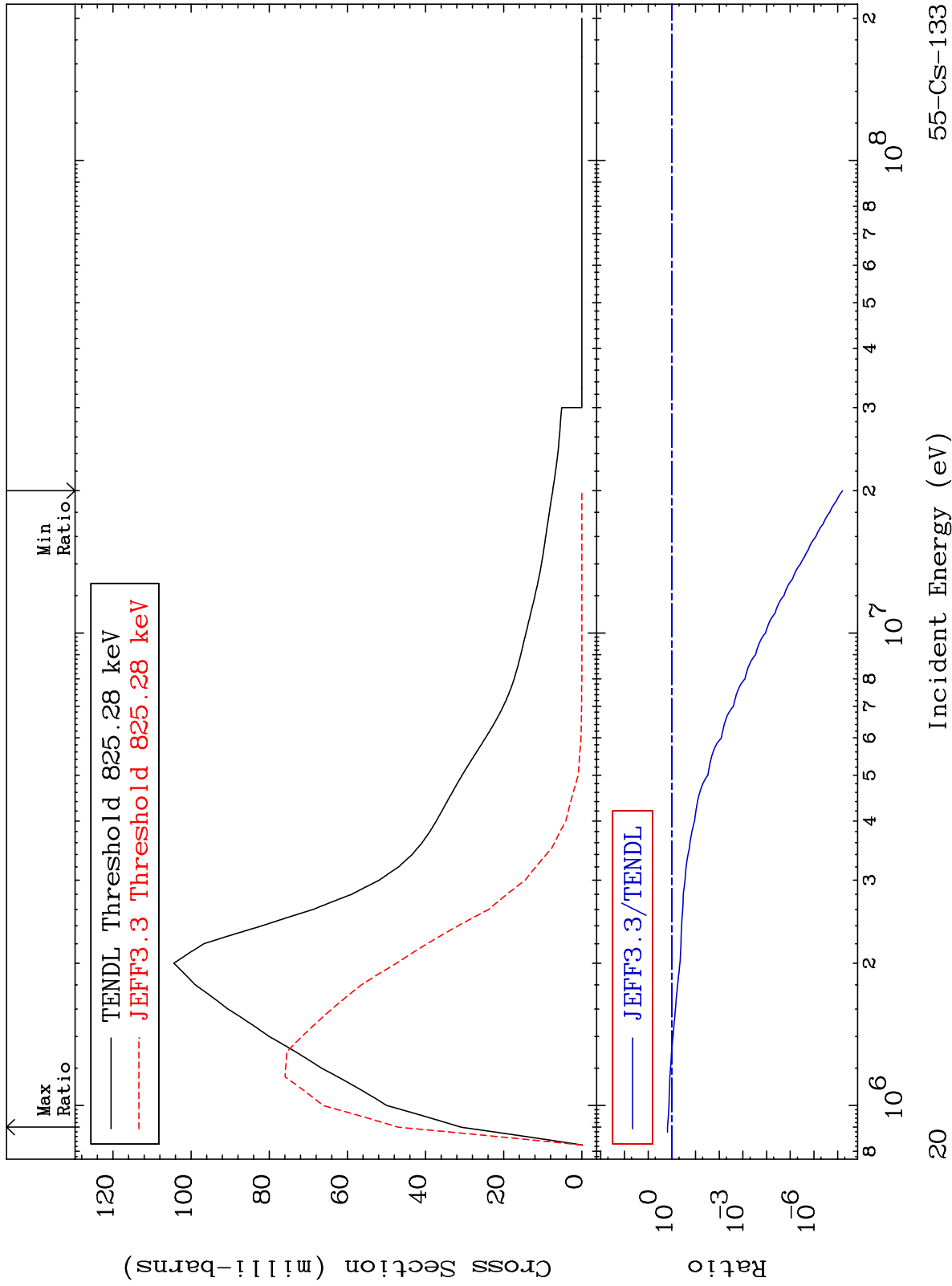
55-Cs-133

55-Cs-133

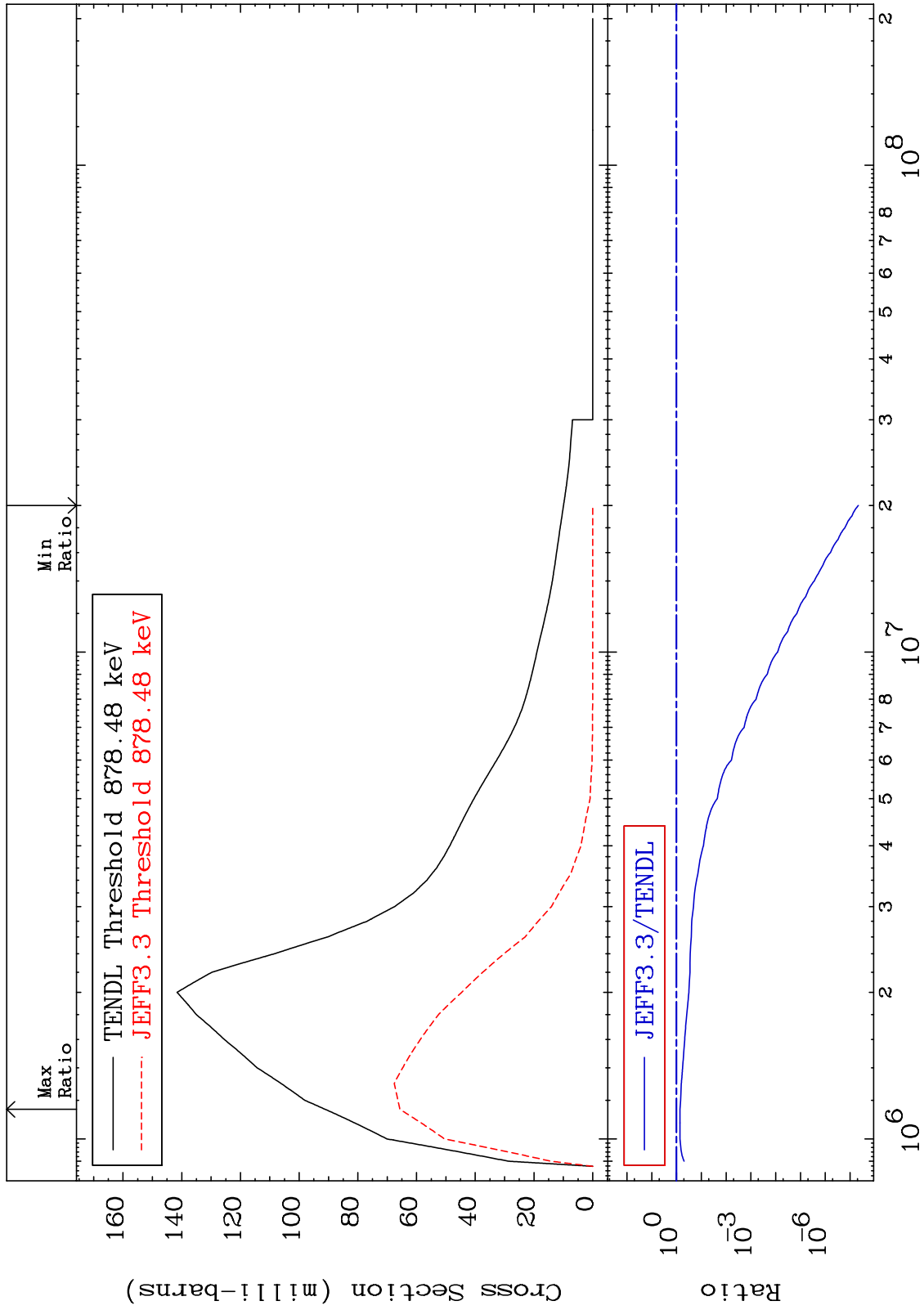
MAT 5525

MT= 61 (n,n') Level
Cross Section

55-Cs-133
-100.0 To 51.77 %



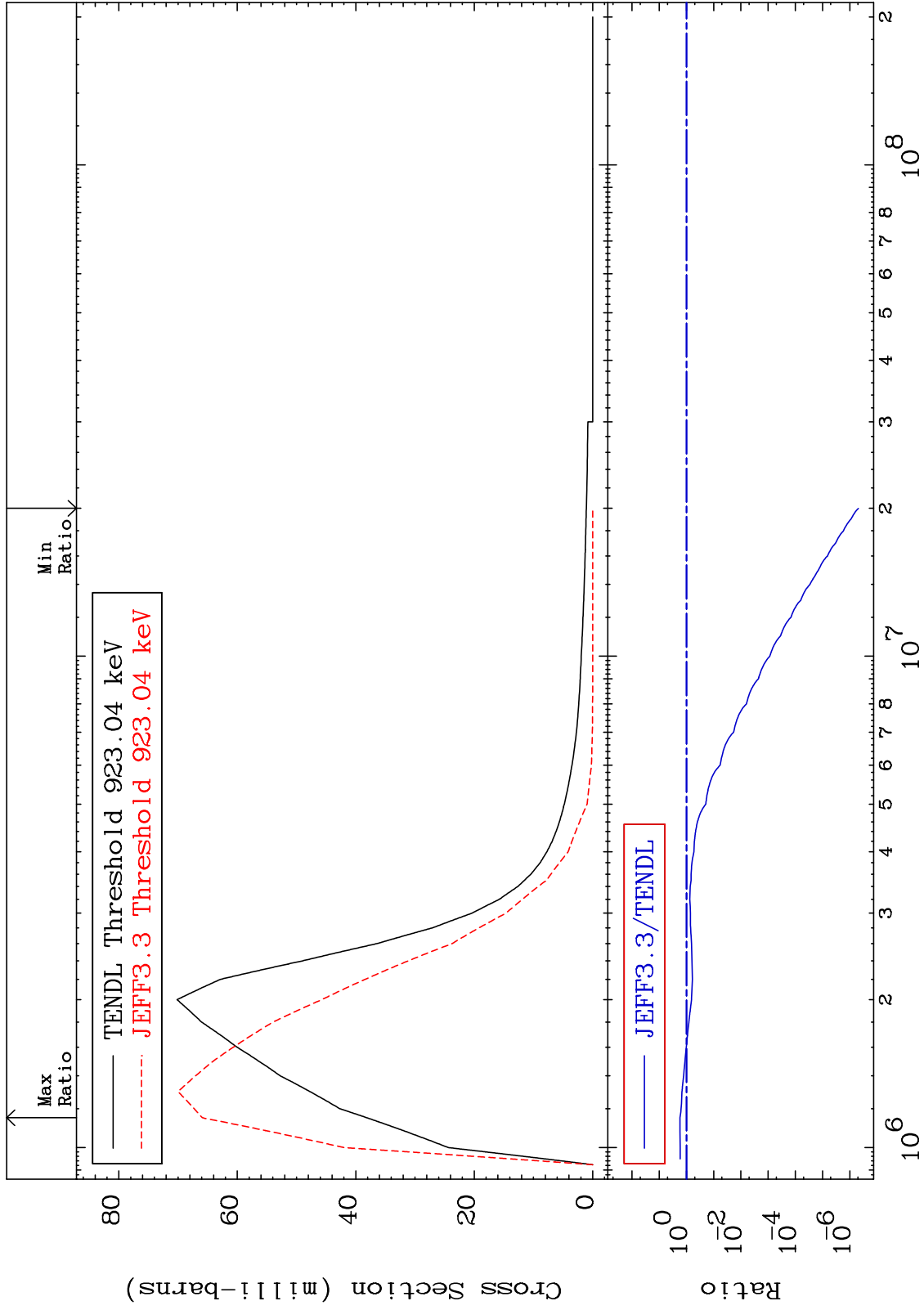
MAT 5525 MT= 62 (n, n') Level 55-Cs-133
 Cross Section -100.0 To -27.88%



MAT 5525

MT= 63 (n, n') Level
Cross Section

55-Cs-133
-100.0 To 72.92 %



22

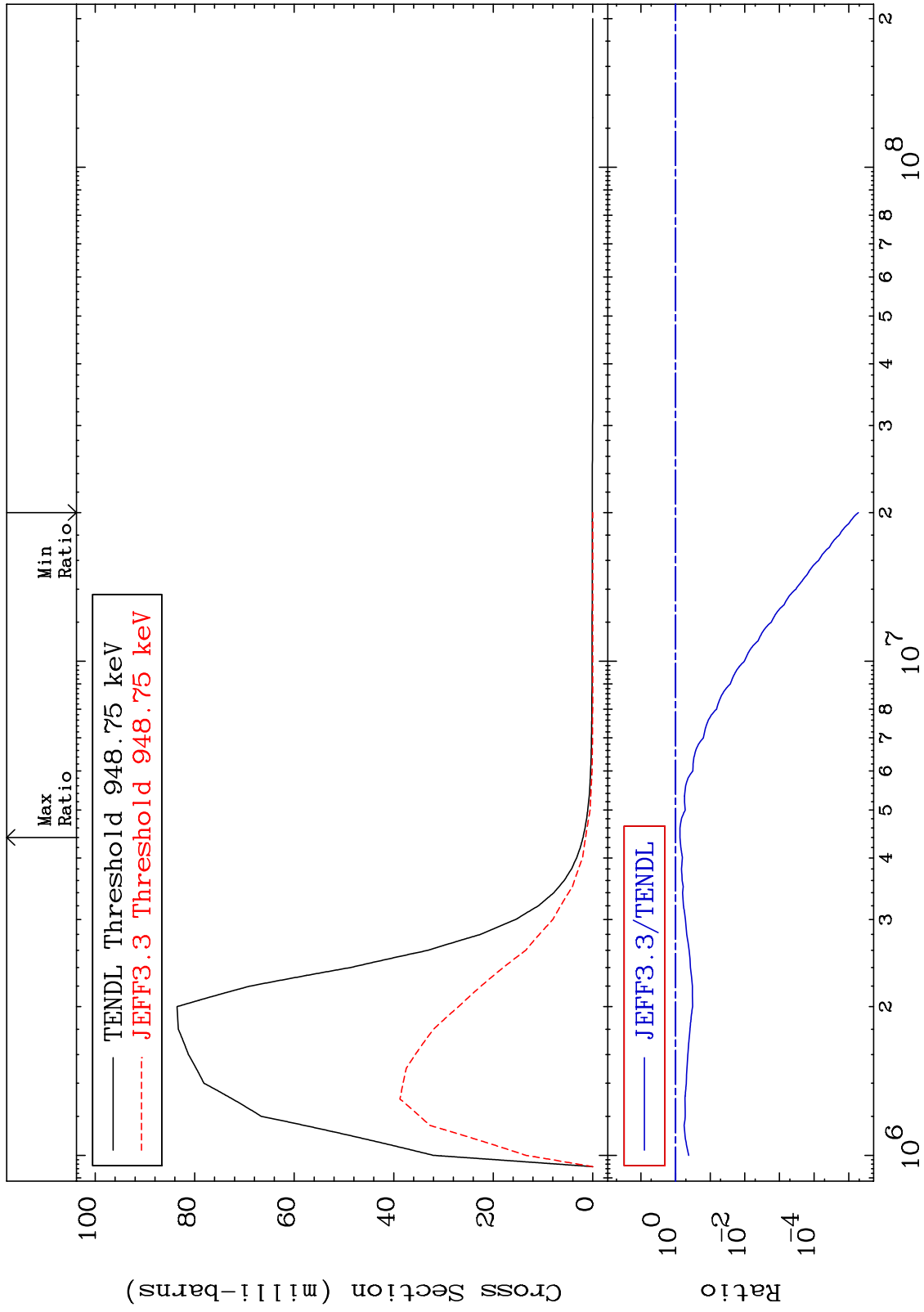
Incident Energy (eV)

55-Cs-133

MAT 5525

MT= 64 (n, n') Level
Cross Section

55-Cs-133
-100.0 To -25.97%



23

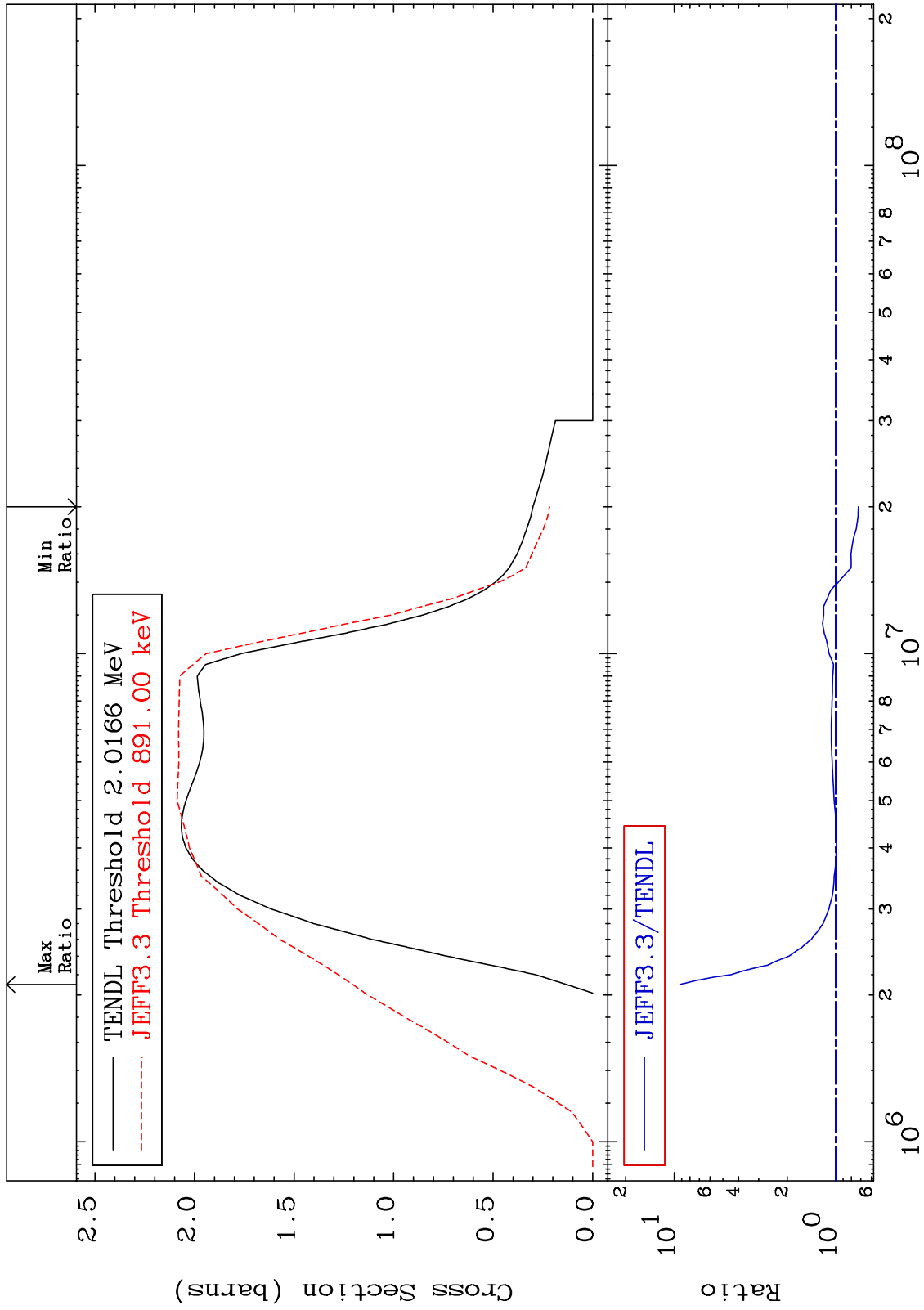
Incident Energy (eV)

55-Cs-133

MAT 5525

(n, n') Continuum
Cross Section

55-Cs-133
-27.63 To 822.0 %



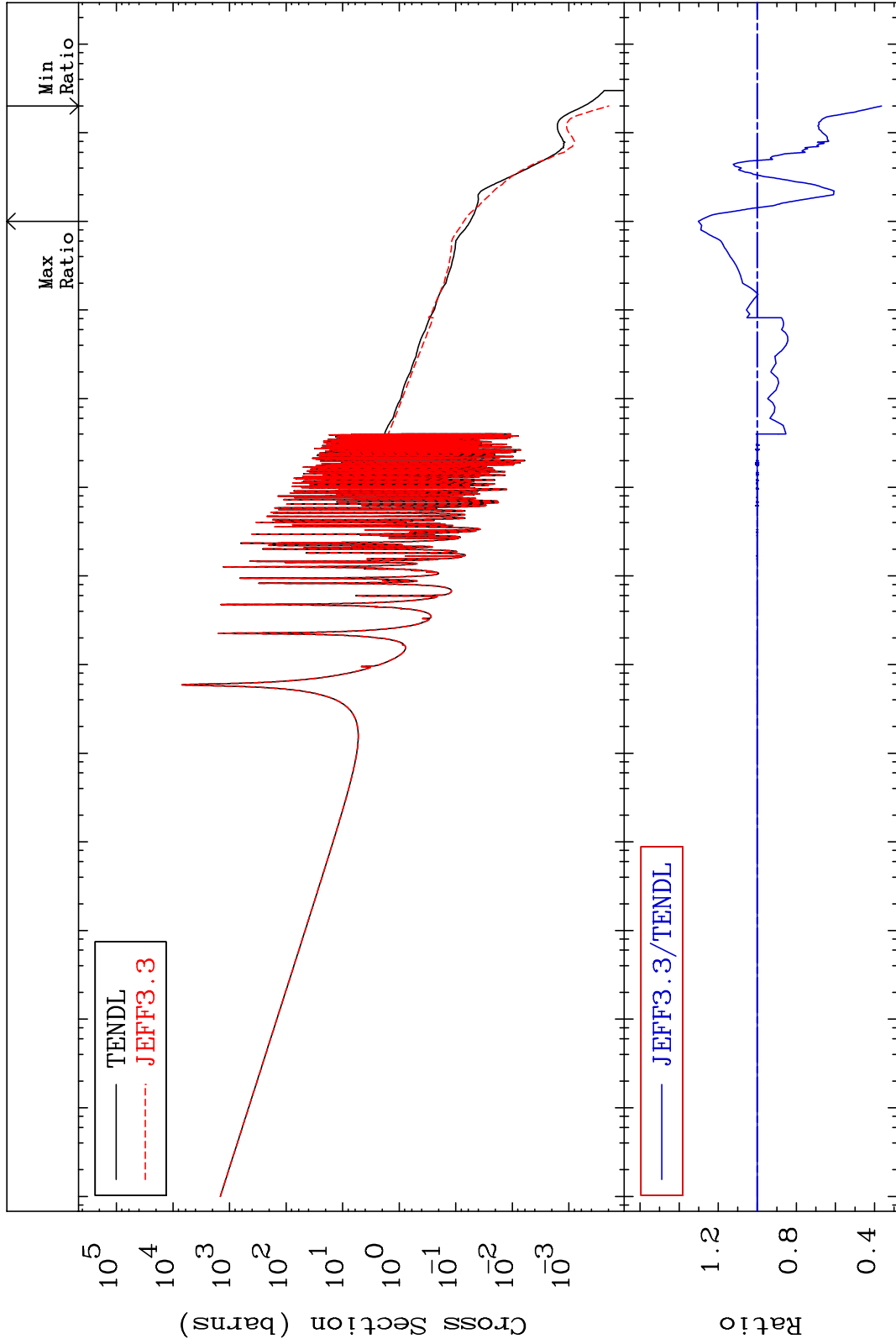
MAT 5525

(n, γ)

55-Cs-133

Cross Section

-63.61 To 30.16 %



Incident Energy (eV)

55-Cs-133

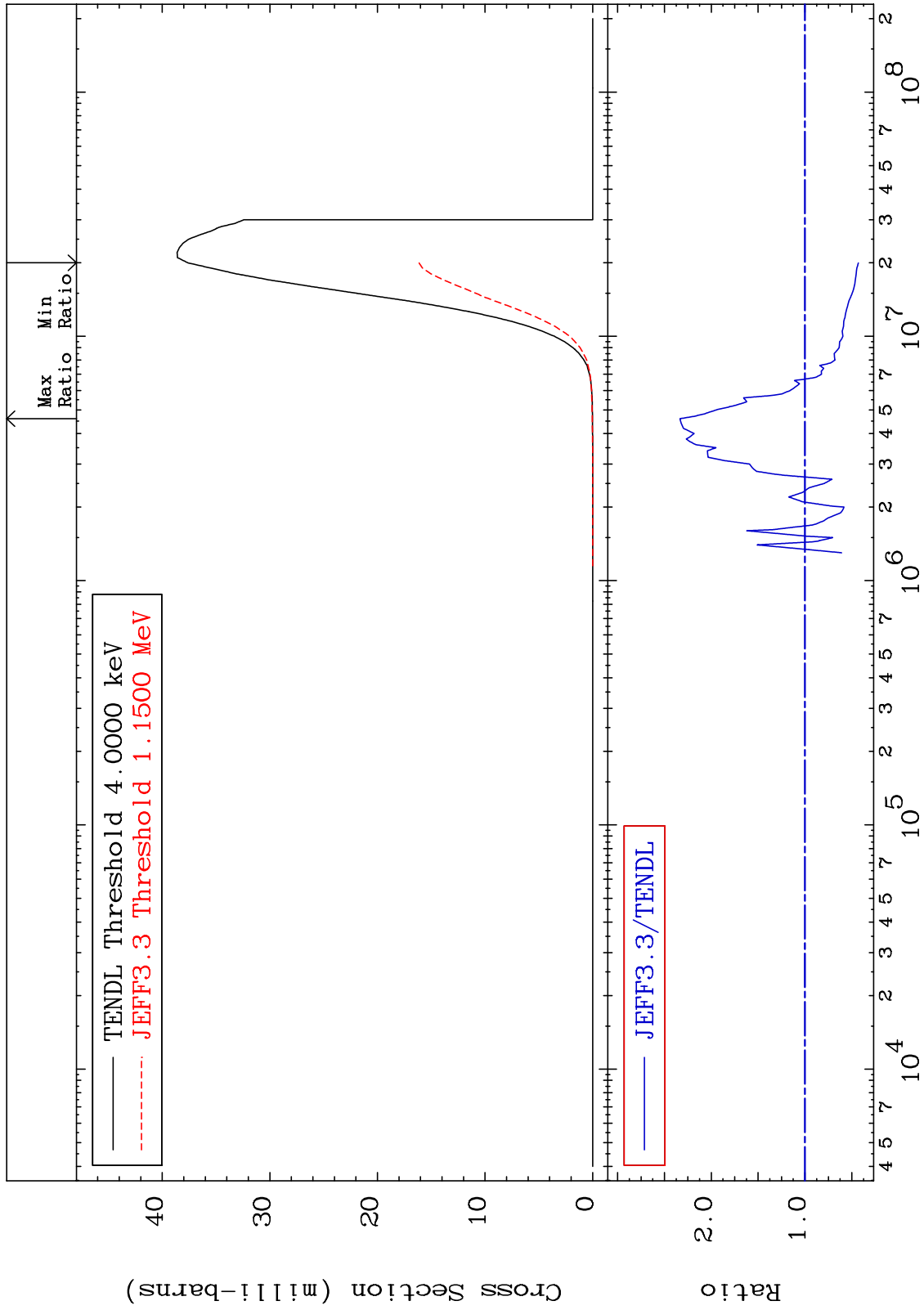
MAT 5525

(n,p)

55-Cs-133

Cross Section

-57.07 To 133.4 %



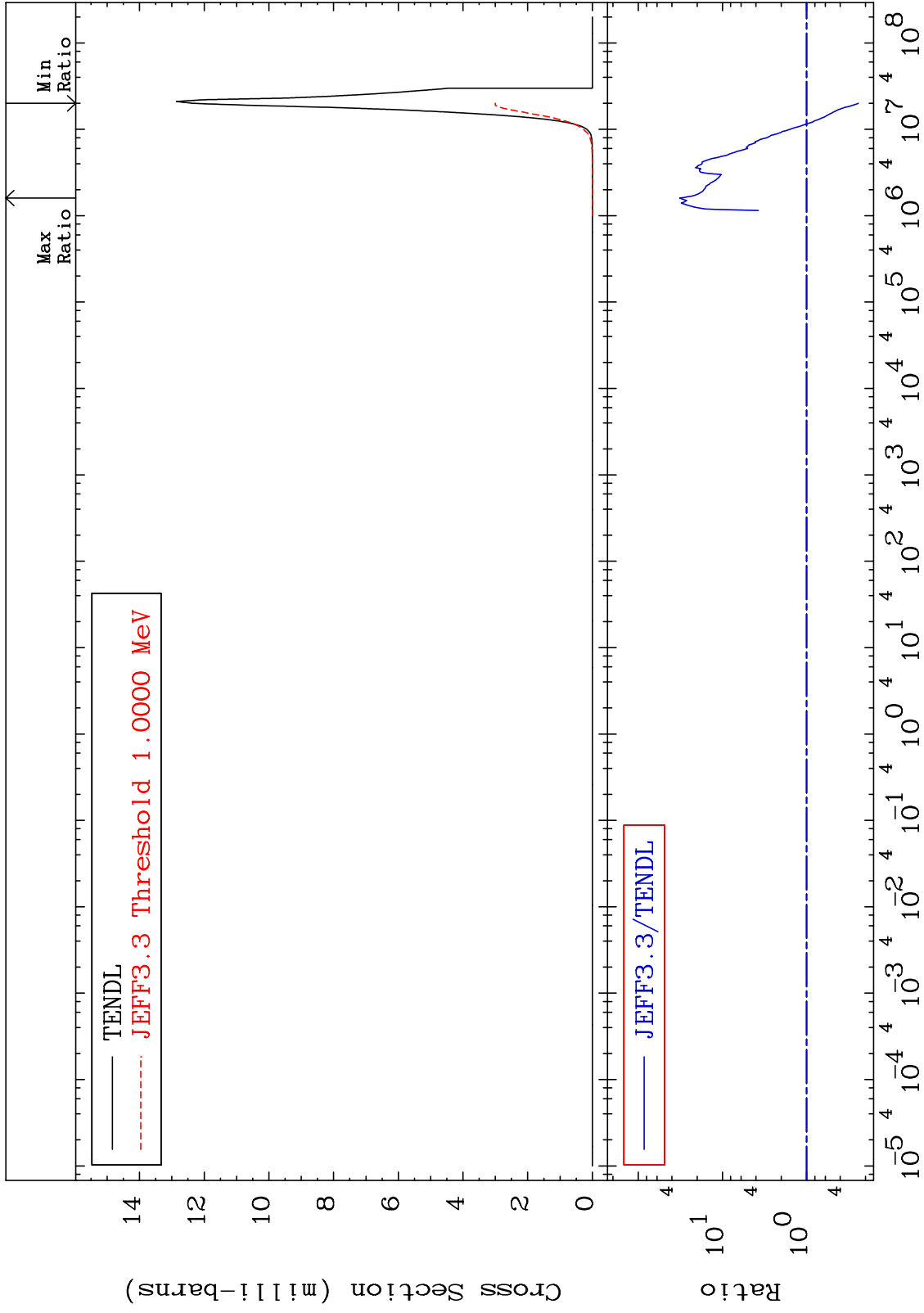
MAT 5525

(n, α)

55-Cs-133

Cross Section

-75.72 To 3116. %



— TENDL
- - - JEFF3.3 Threshold 1.0000 MeV

— JEFF3.3/TENDL

27

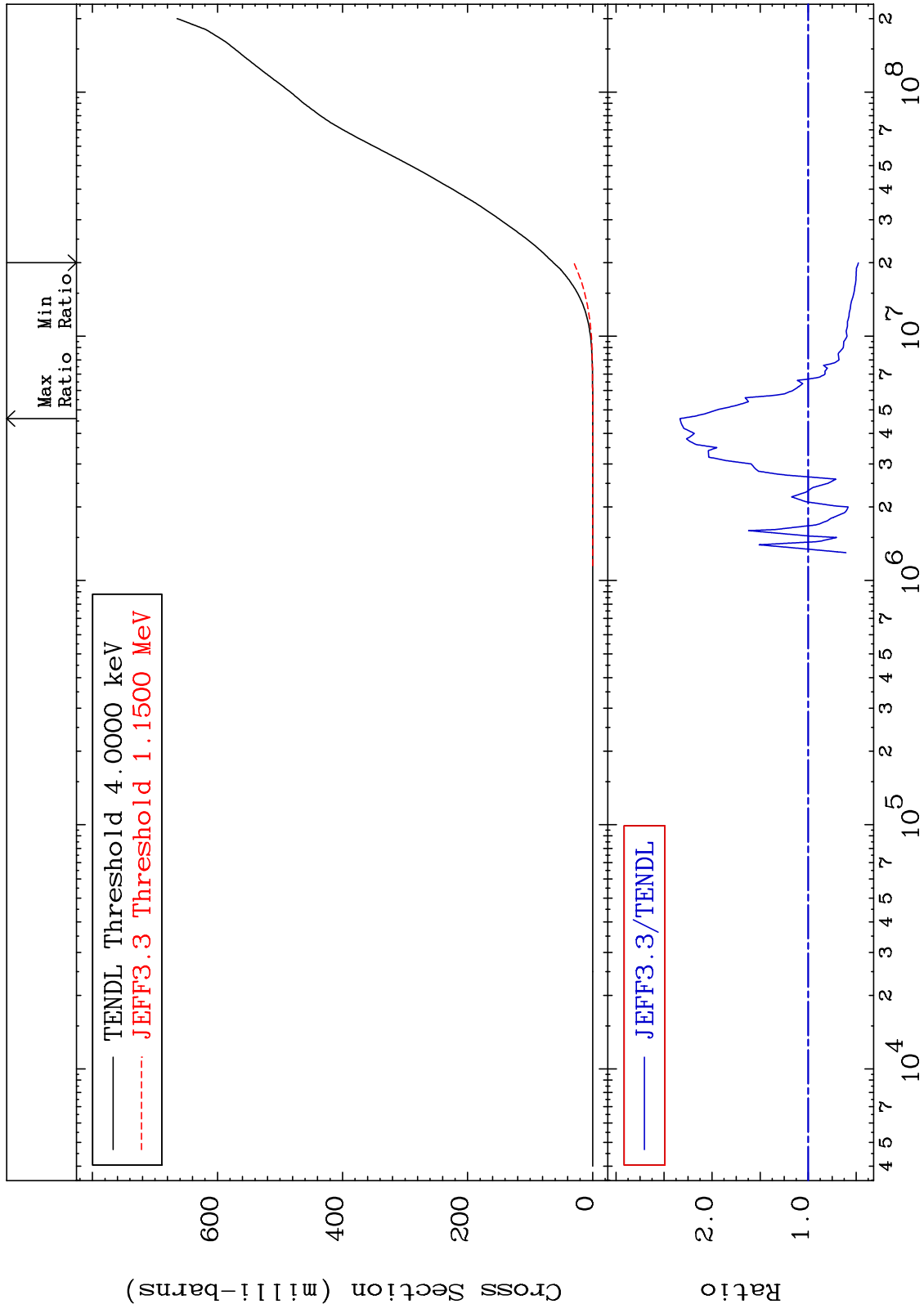
Incident Energy (eV)

55-Cs-133

MAT 5525

Hydrogen Production
Cross Section

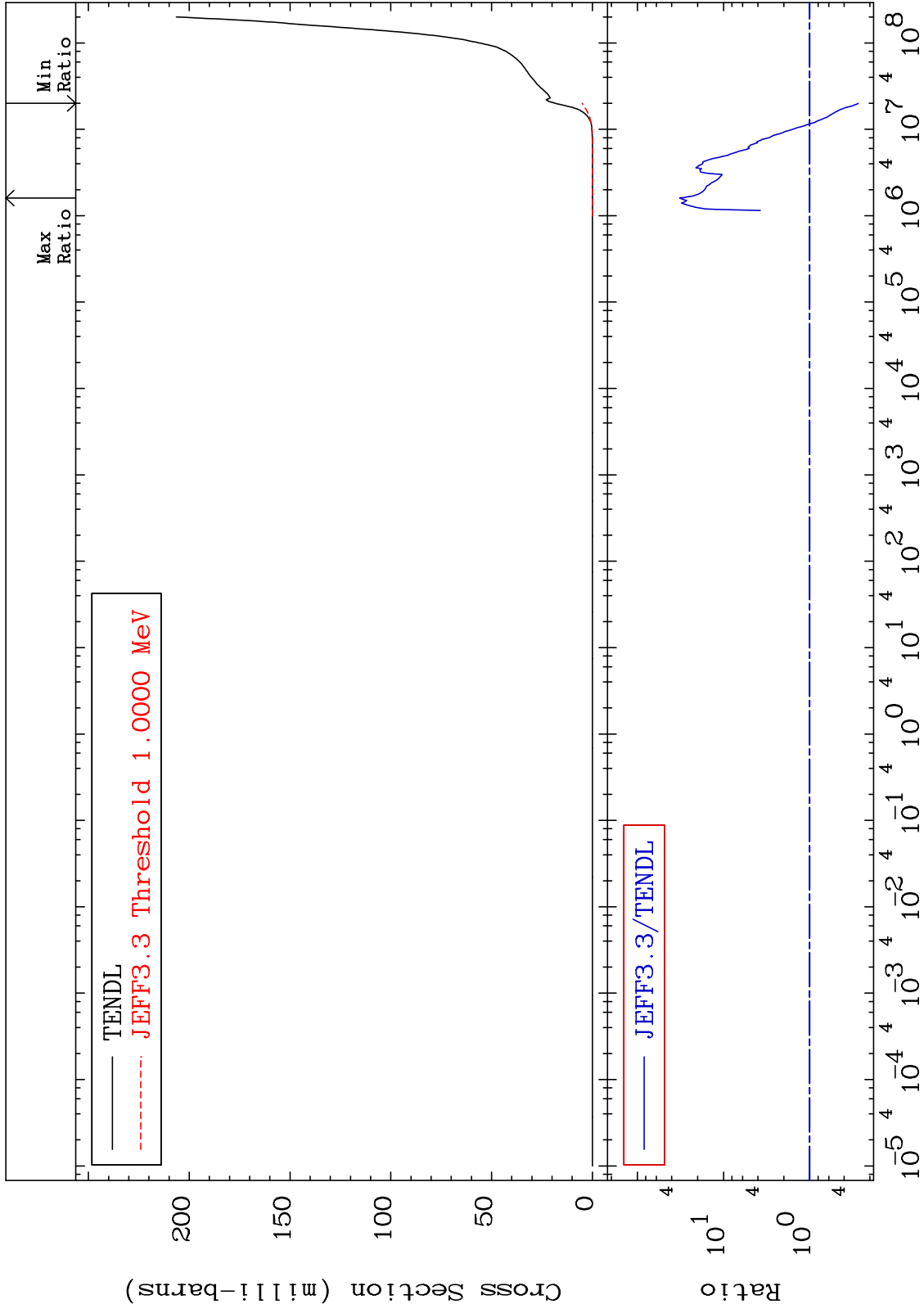
55-Cs-133
-52.30 To 133.4 %



MAT 5525

He-4 Production
Cross Section

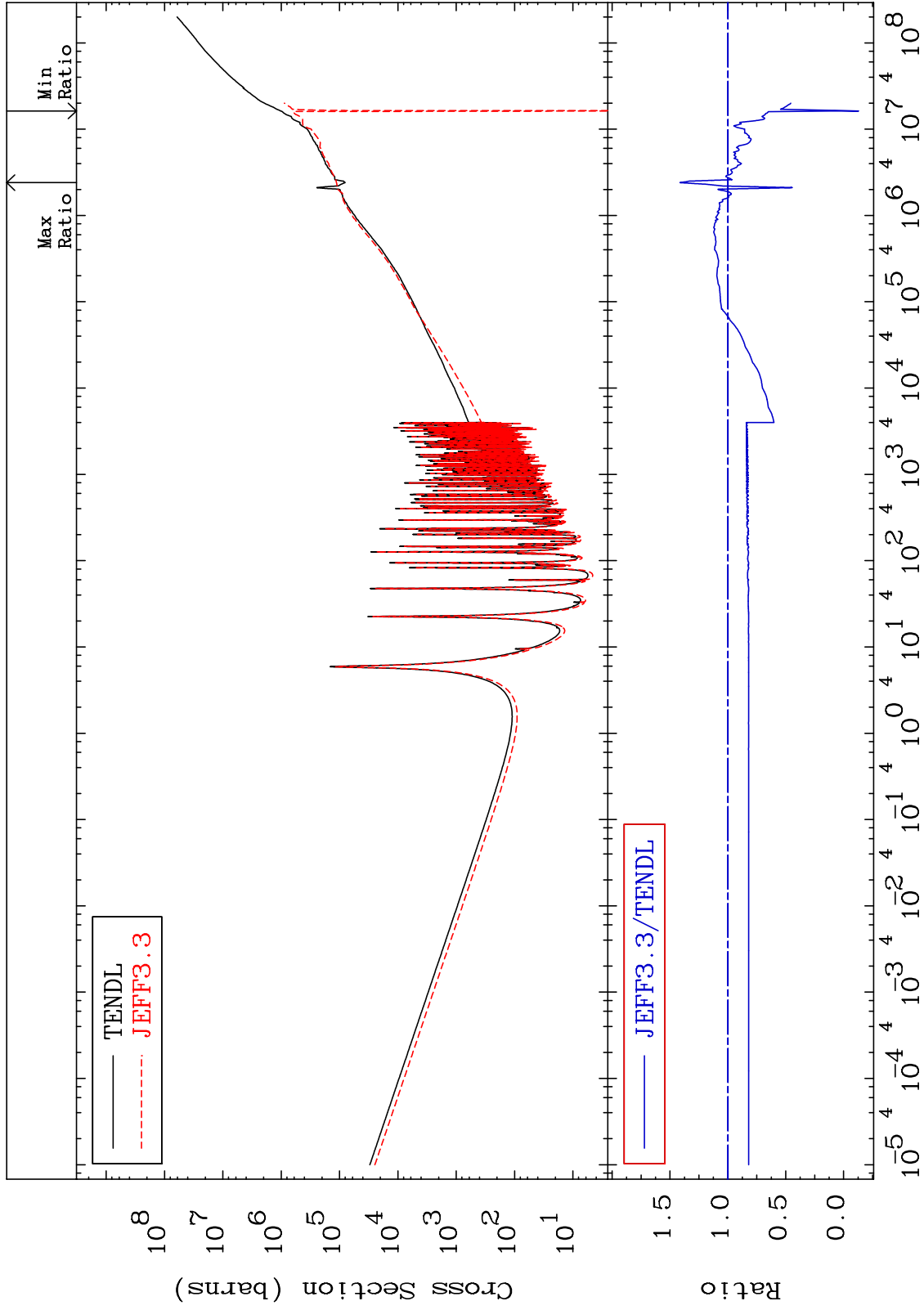
55-Cs-133
-72.72 To 3116. %



MAT 5525

Kerma total (eV-barns)
Cross Section

55-Cs-133
-112.8 To 41.36 %



30

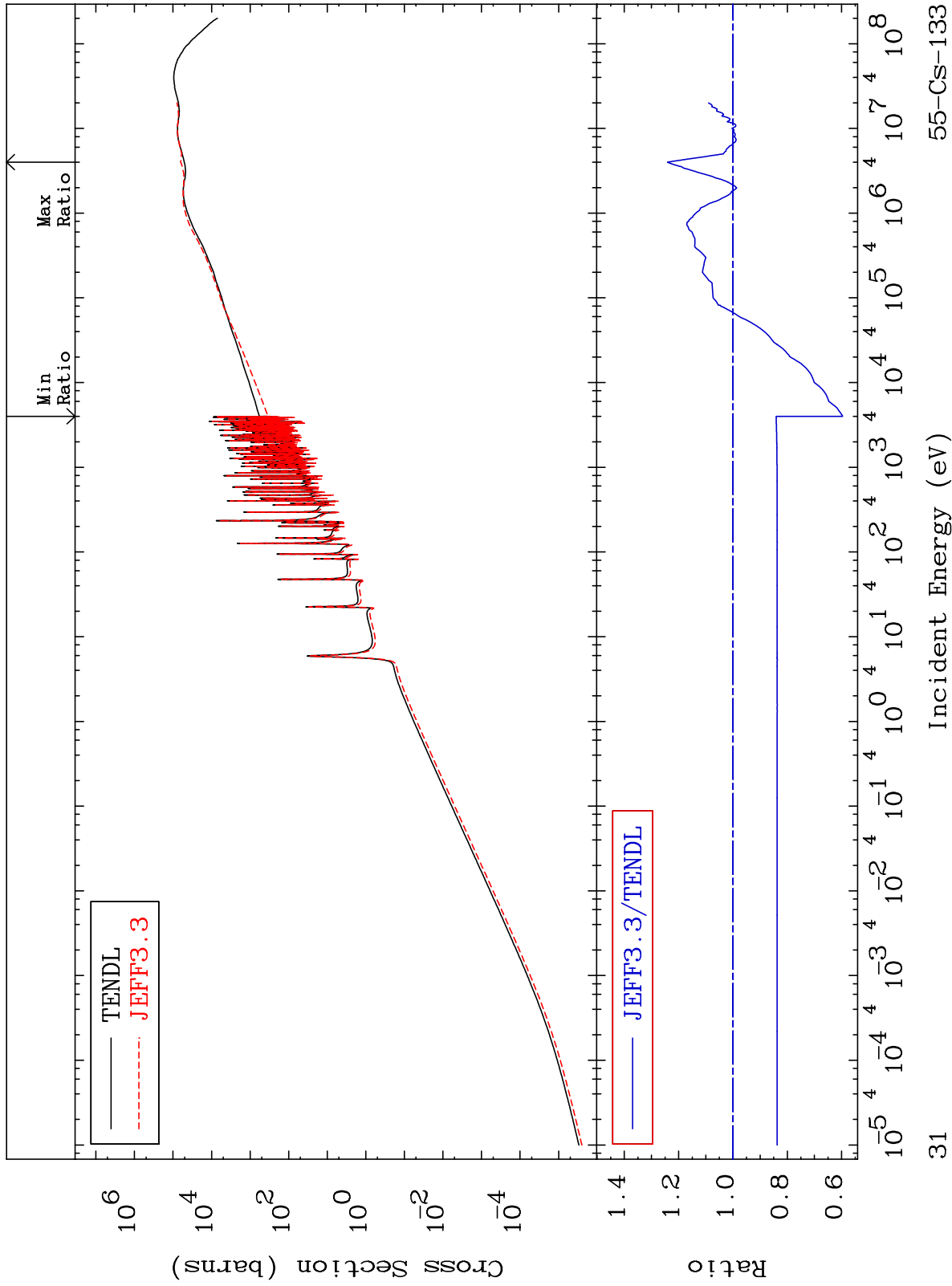
Incident Energy (eV)

55-Cs-133

MAT 5525

Kerma elastic
Cross Section

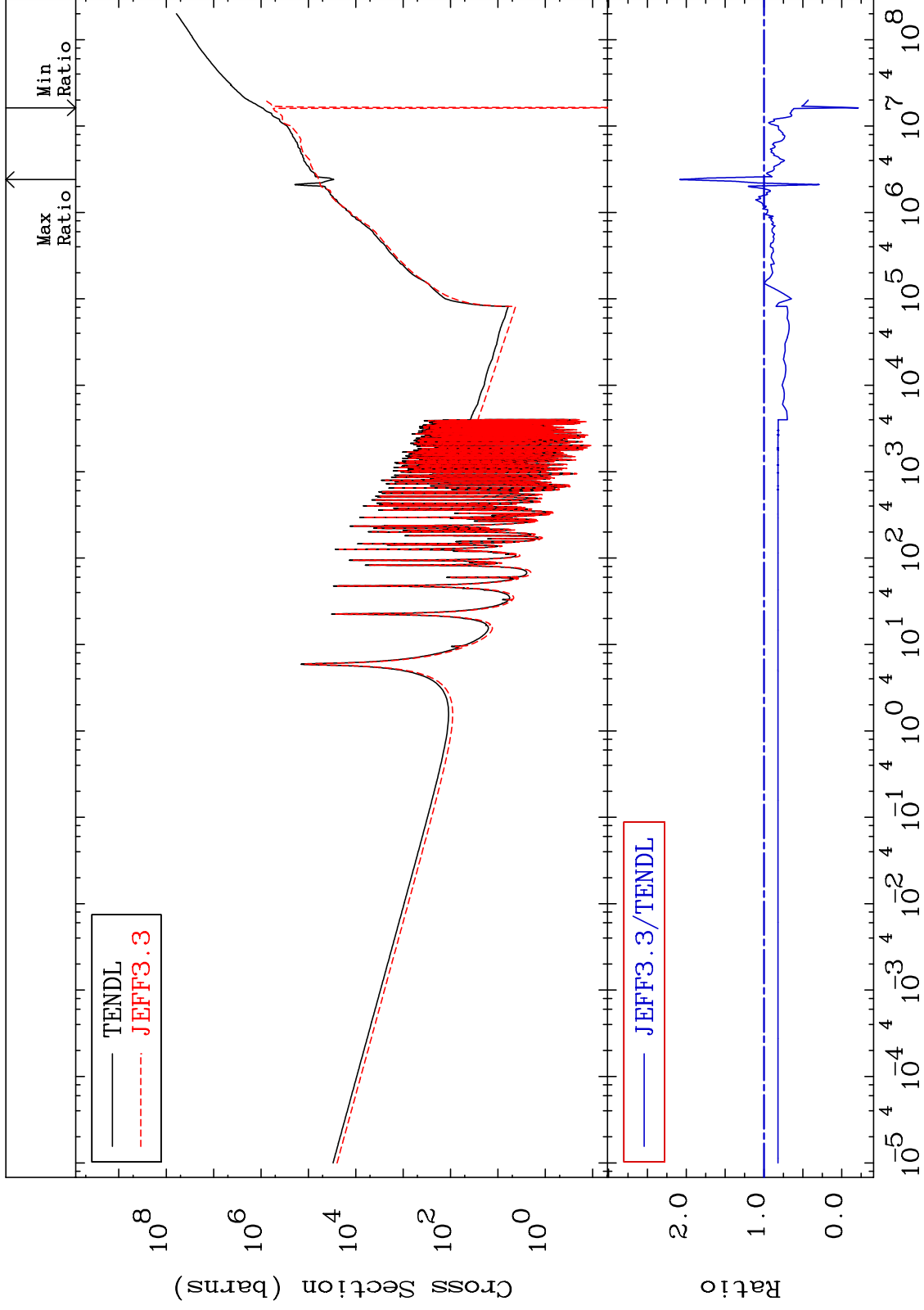
55-Cs-133
-40.39 To 24.08 %



MAT 5525

Kerma non-elastic (all but mt2)
Cross Section

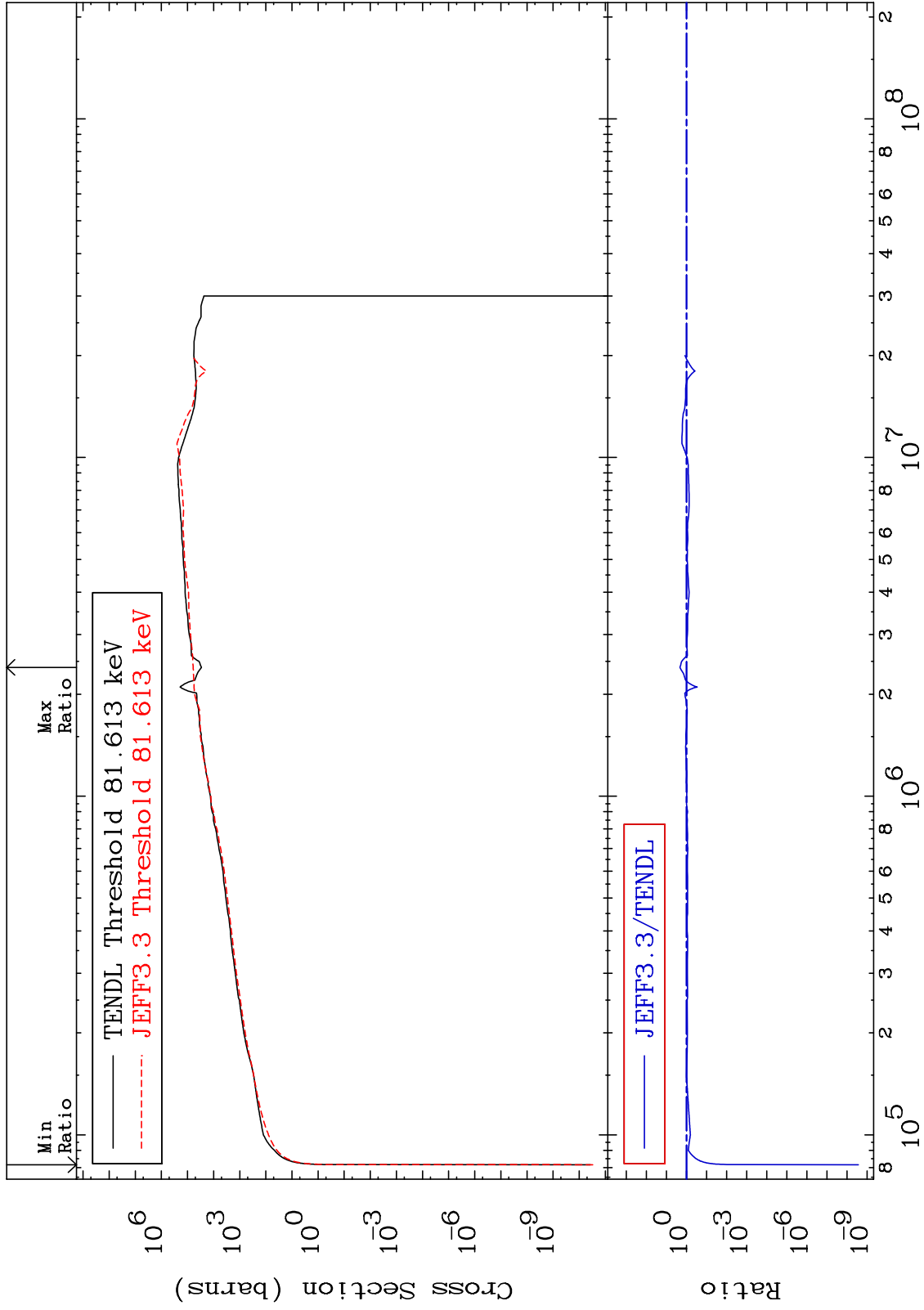
55-Cs-133
-121.4 To 108.3 %



MAT 5525

Kerma inelastic (mt51-91)
Cross Section

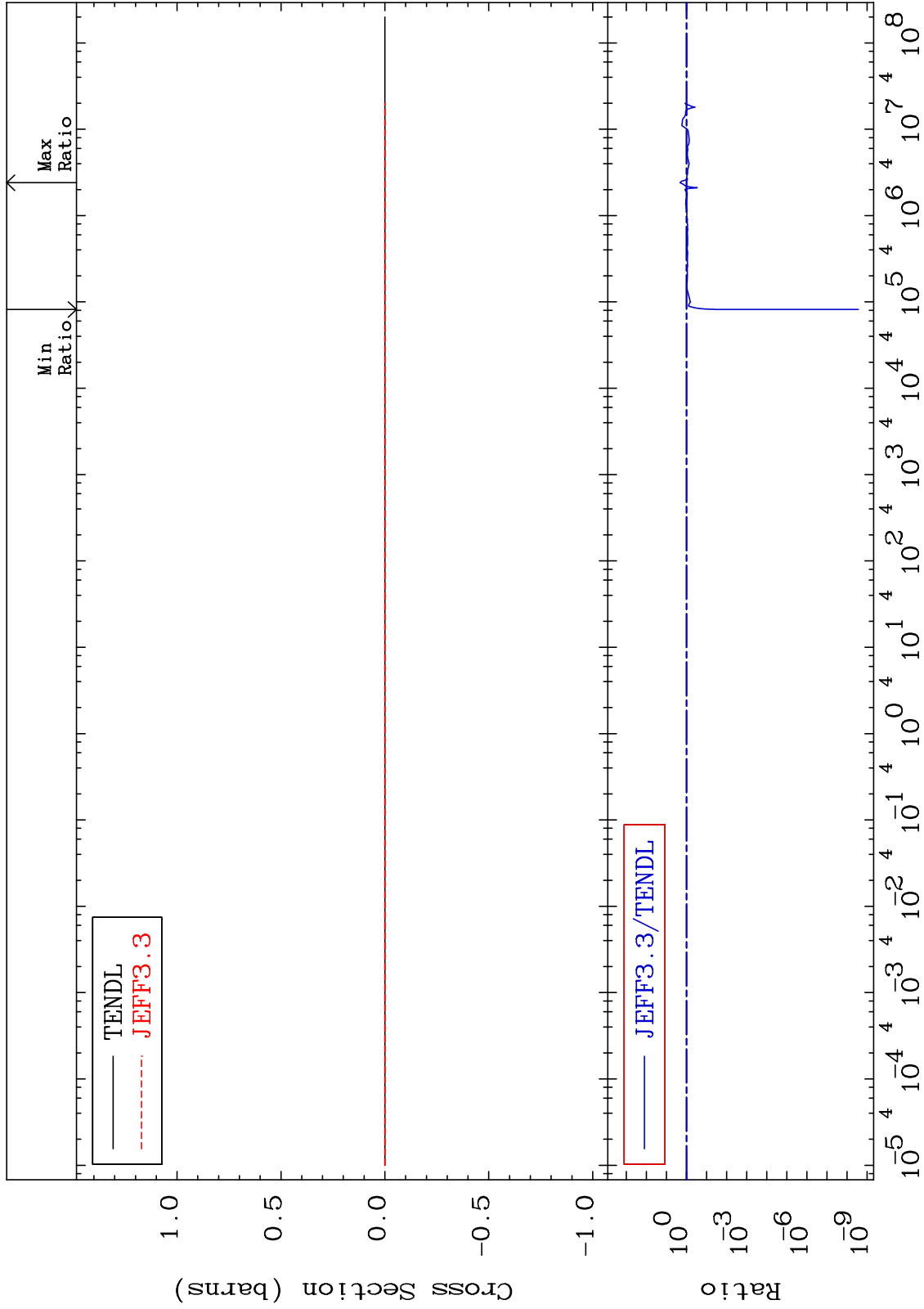
55-Cs-133
-100.0 To 108.3 %



MAT 5525

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

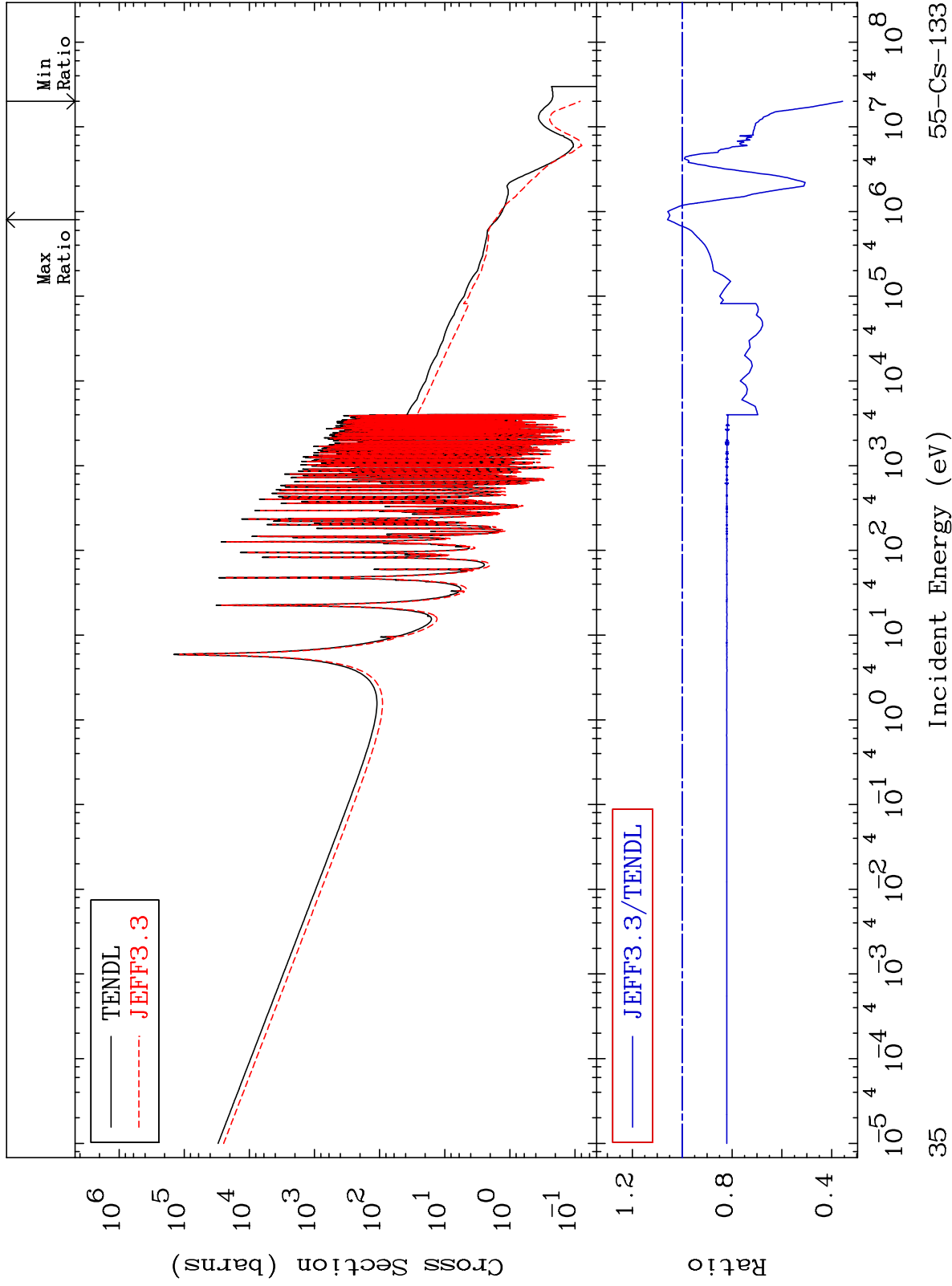
55-Cs-133
-100.0 To 108.3 %



MAT 5525

Kerma capture (mt102)
Cross Section

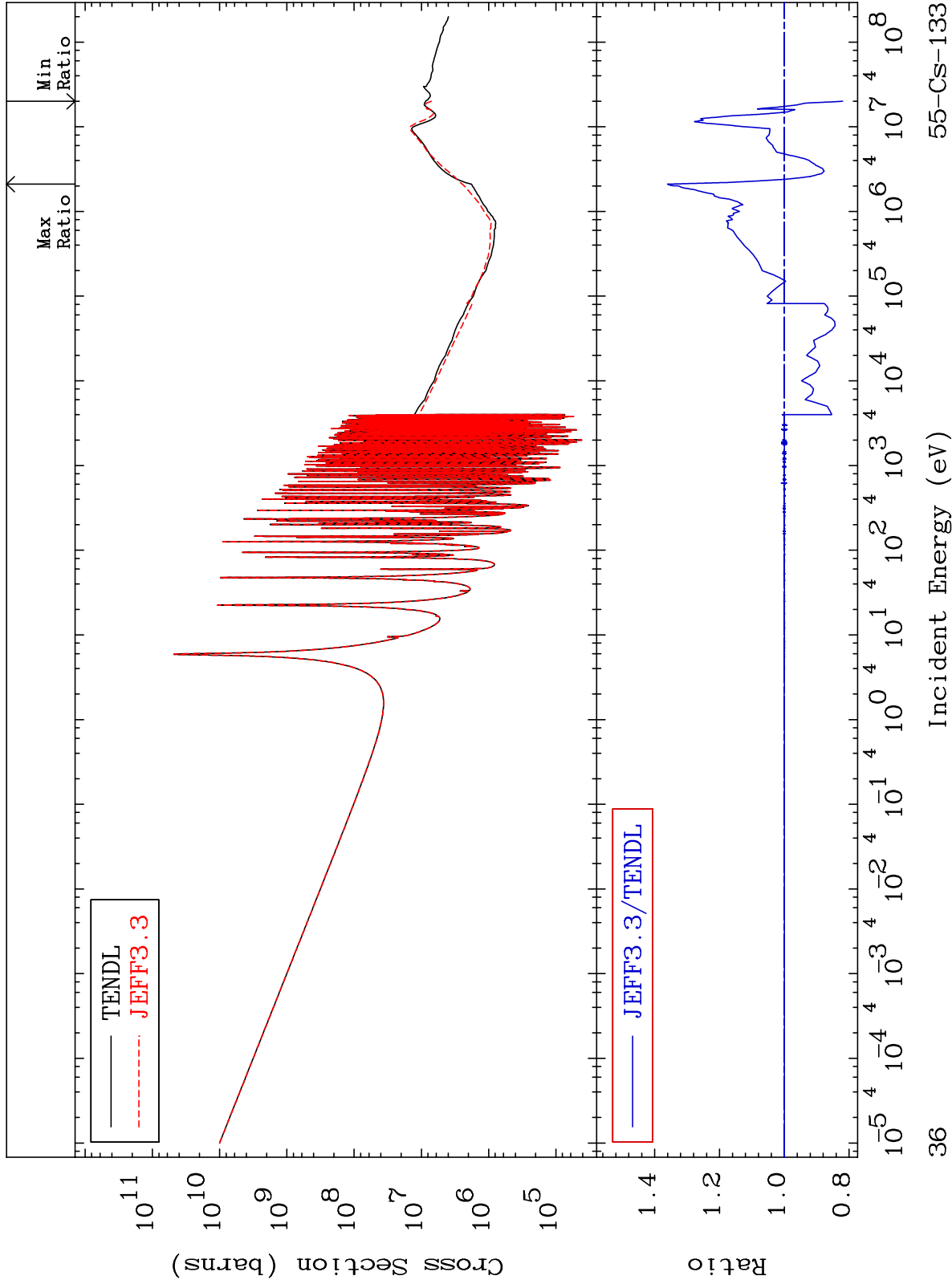
55-Cs-133
-64.37 To 5.870 %



MAT 5525

Total photon (eV-barns)
Cross Section

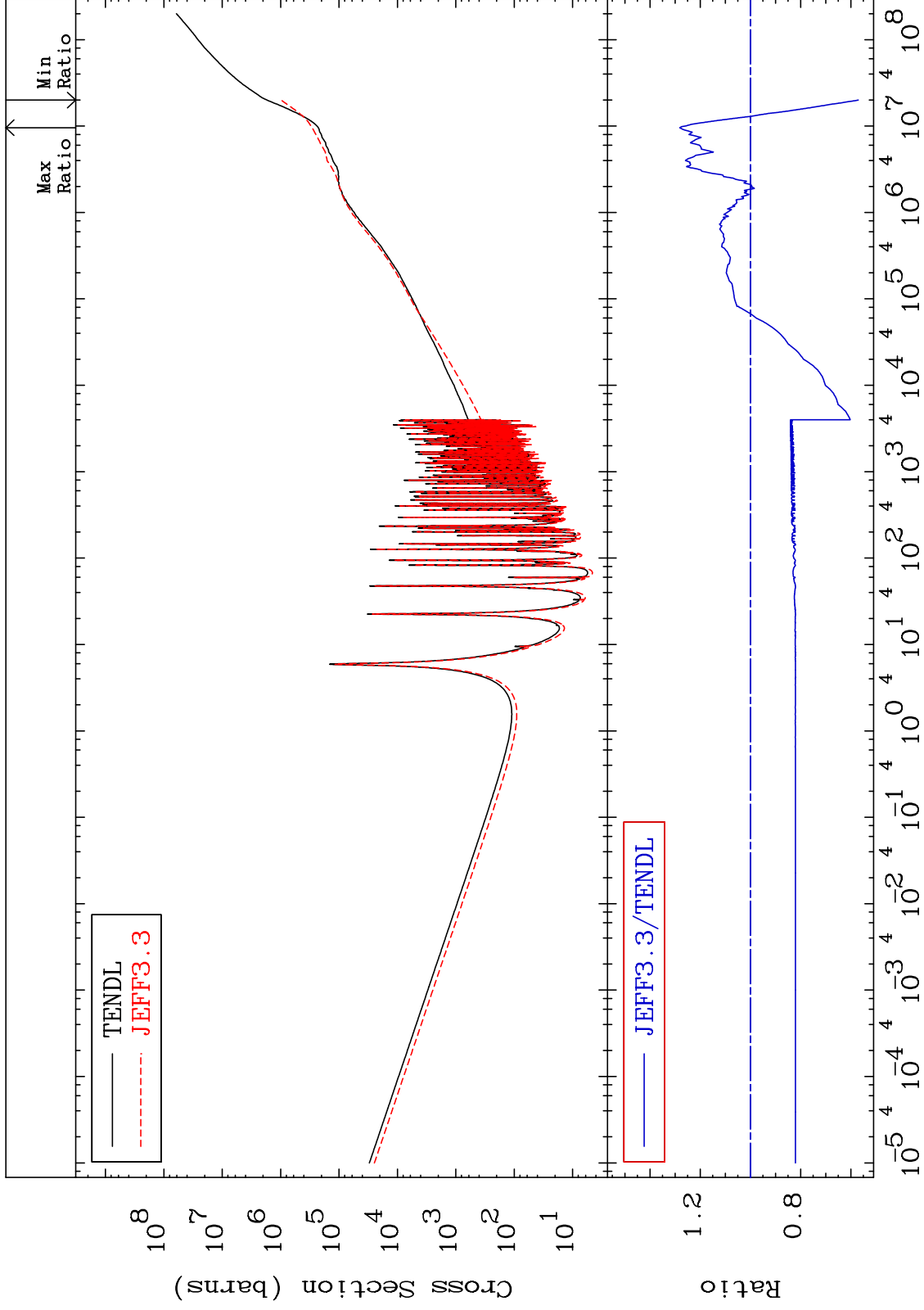
55-Cs-133
-18.02 To 36.04 %



MAT 5525

Total kinematic kerma (high limit)
Cross Section

55-Cs-133
-43.00 To 28.11 %



37

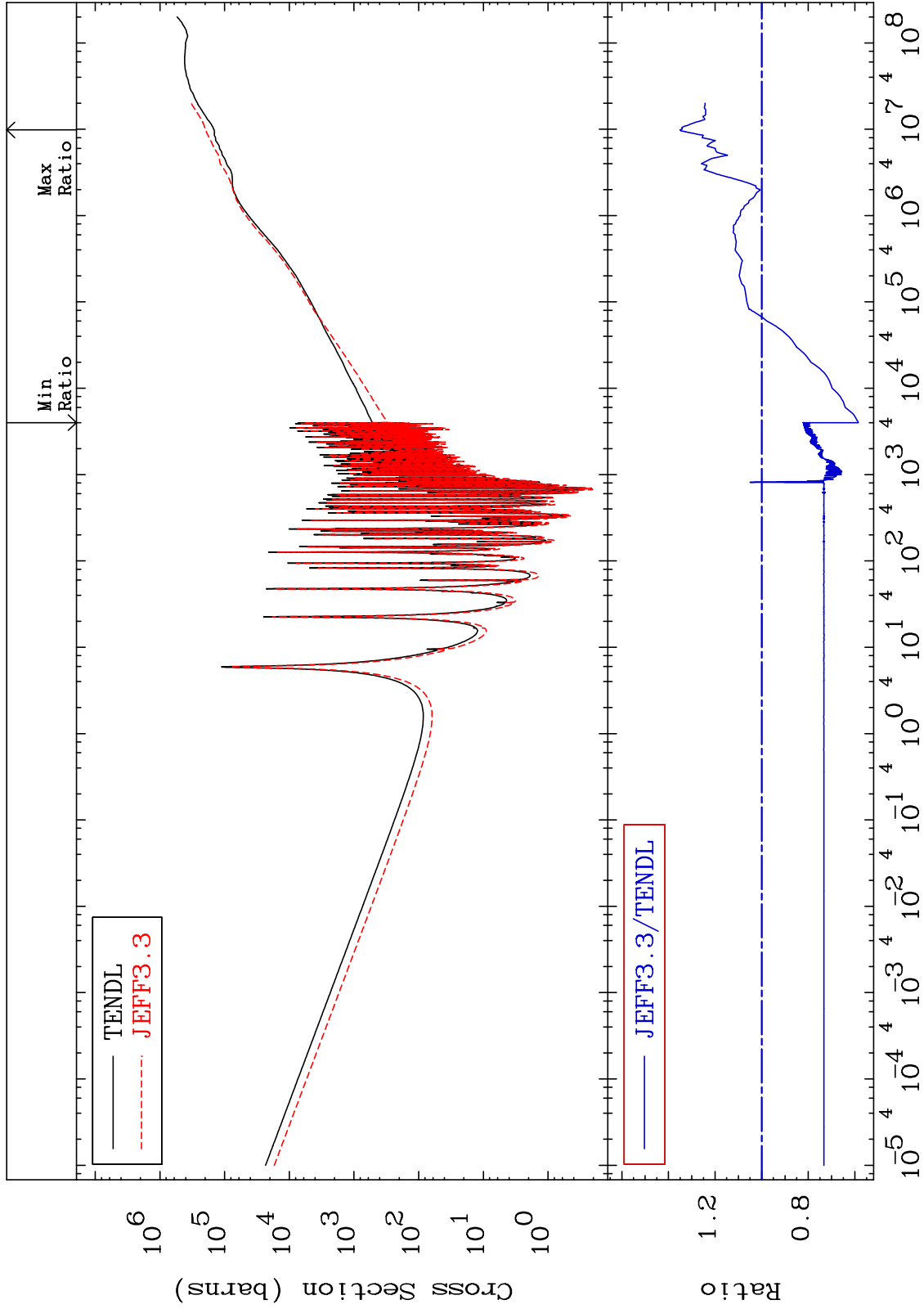
Incident Energy (eV)

55-Cs-133

MAT 5525

Dpa total (eV-barns)
Cross Section

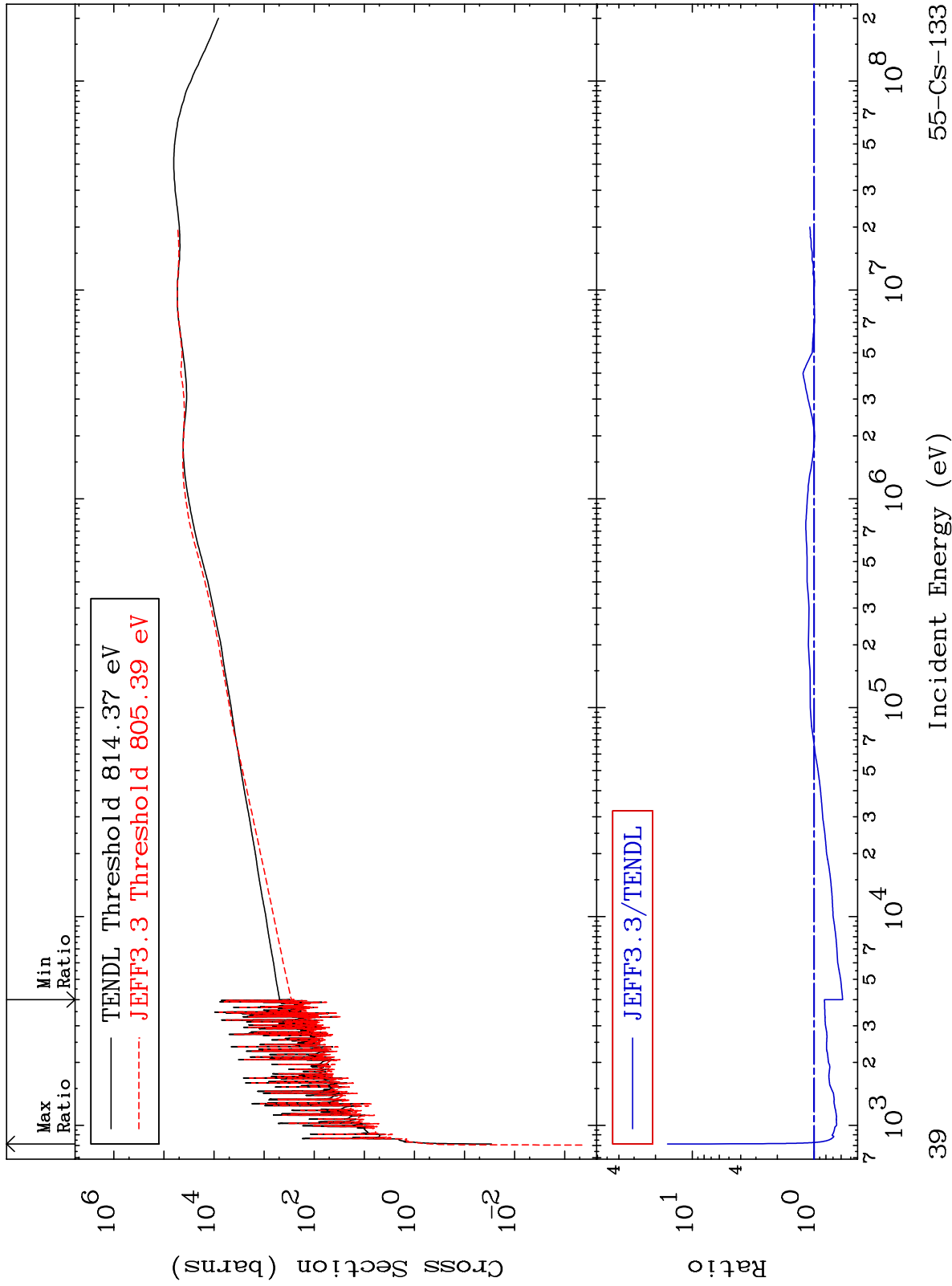
55-Cs-133
-41.50 To 35.04 %



MAT 5525

Dpa elastic (mt2)
Cross Section

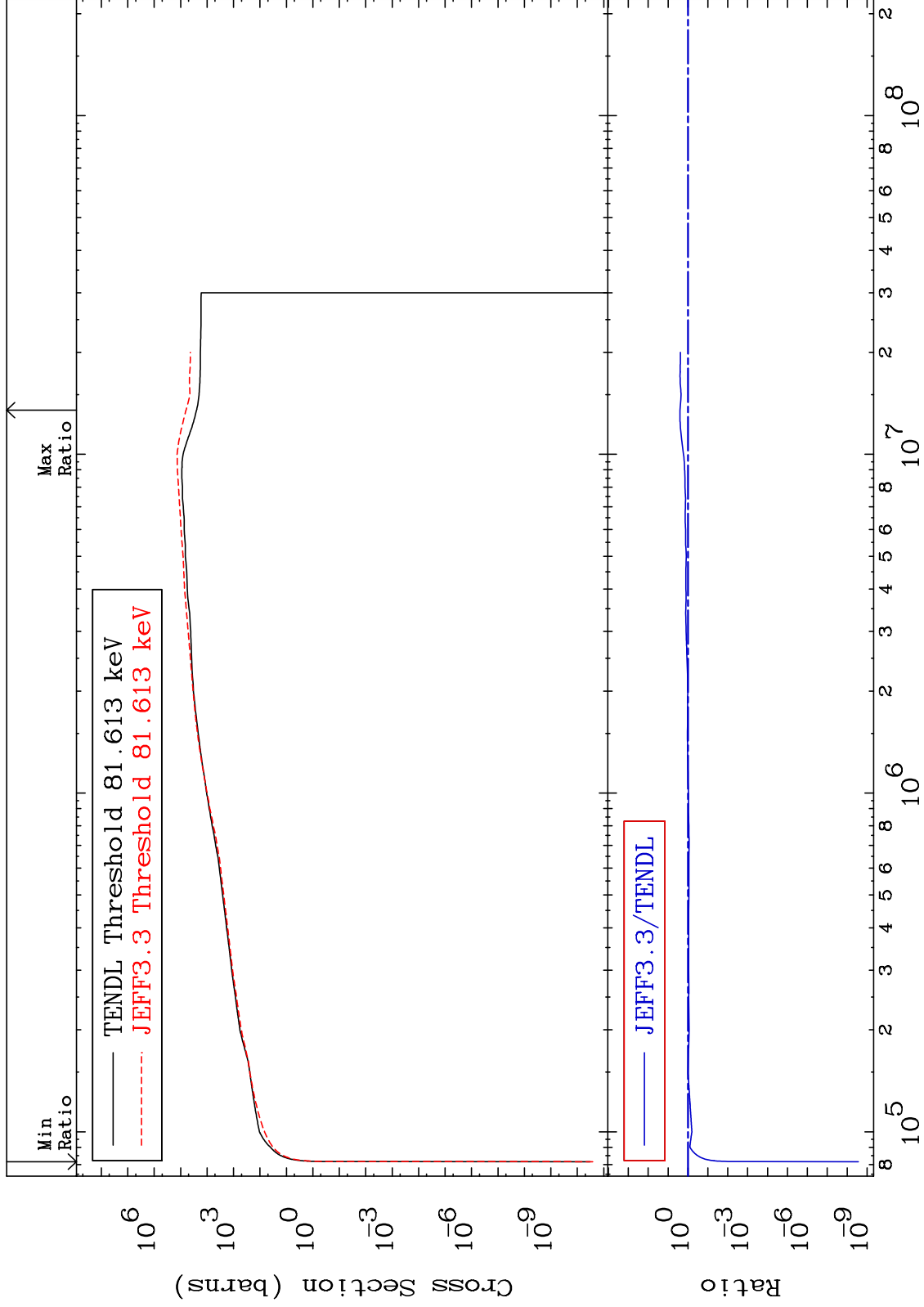
55-Cs-133
-41.72 To 1494. %



MAT 5525

Dpa inelastic (mt51-91)
Cross Section

55-Cs-133
-100.0 To 151.3 %



40

Incident Energy (eV)

55-Cs-133

MAT 5525

Dpa disappearance (mt102 -120)
Cross Section

55-Cs-133
-64.29 To 206.7 %

