

Program Complot
(Version 2018-1)

by

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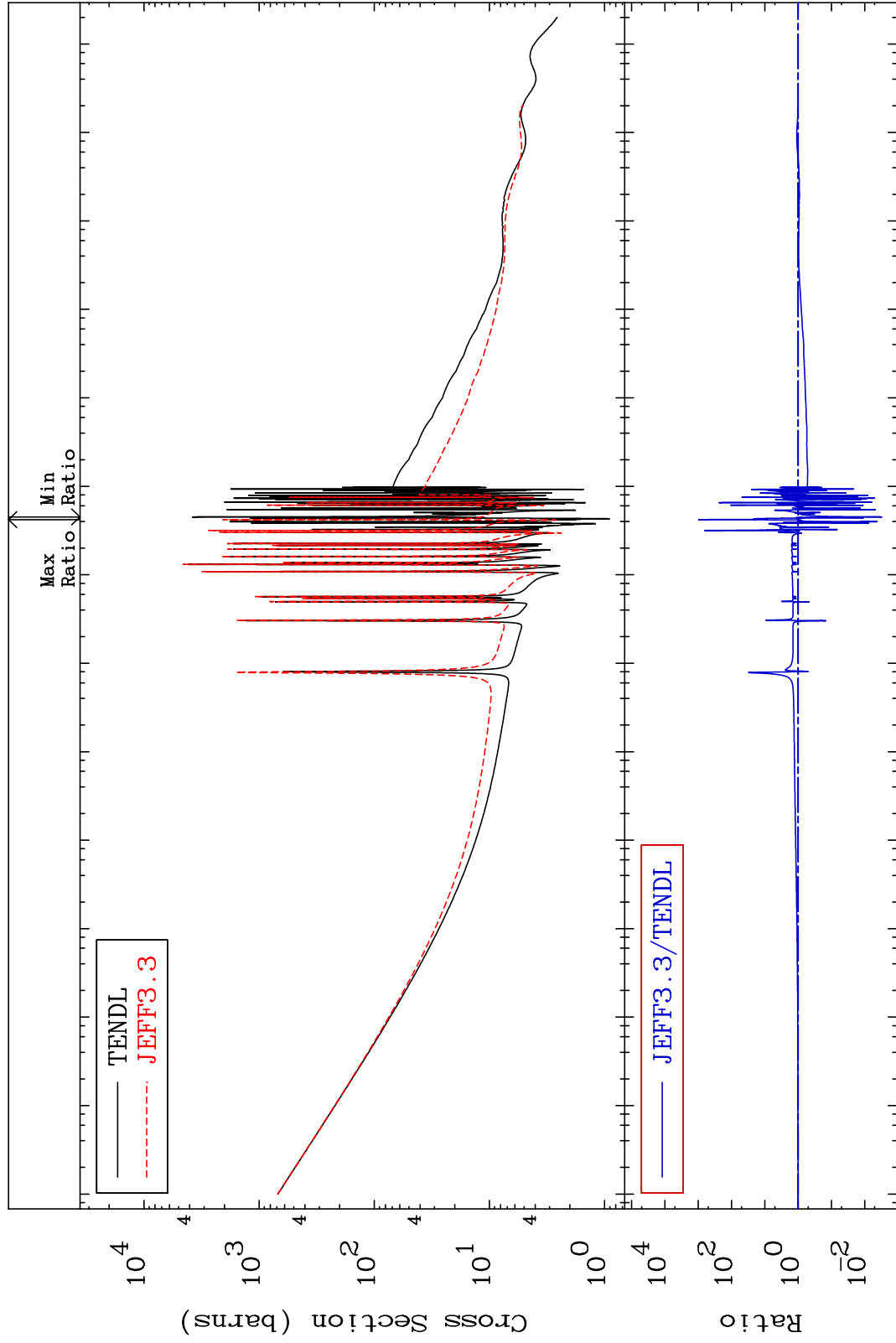
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6831

Total
Cross Section

68-Er-164
-99.69 To 9999. %



1

Incident Energy (eV)

68-Er-164

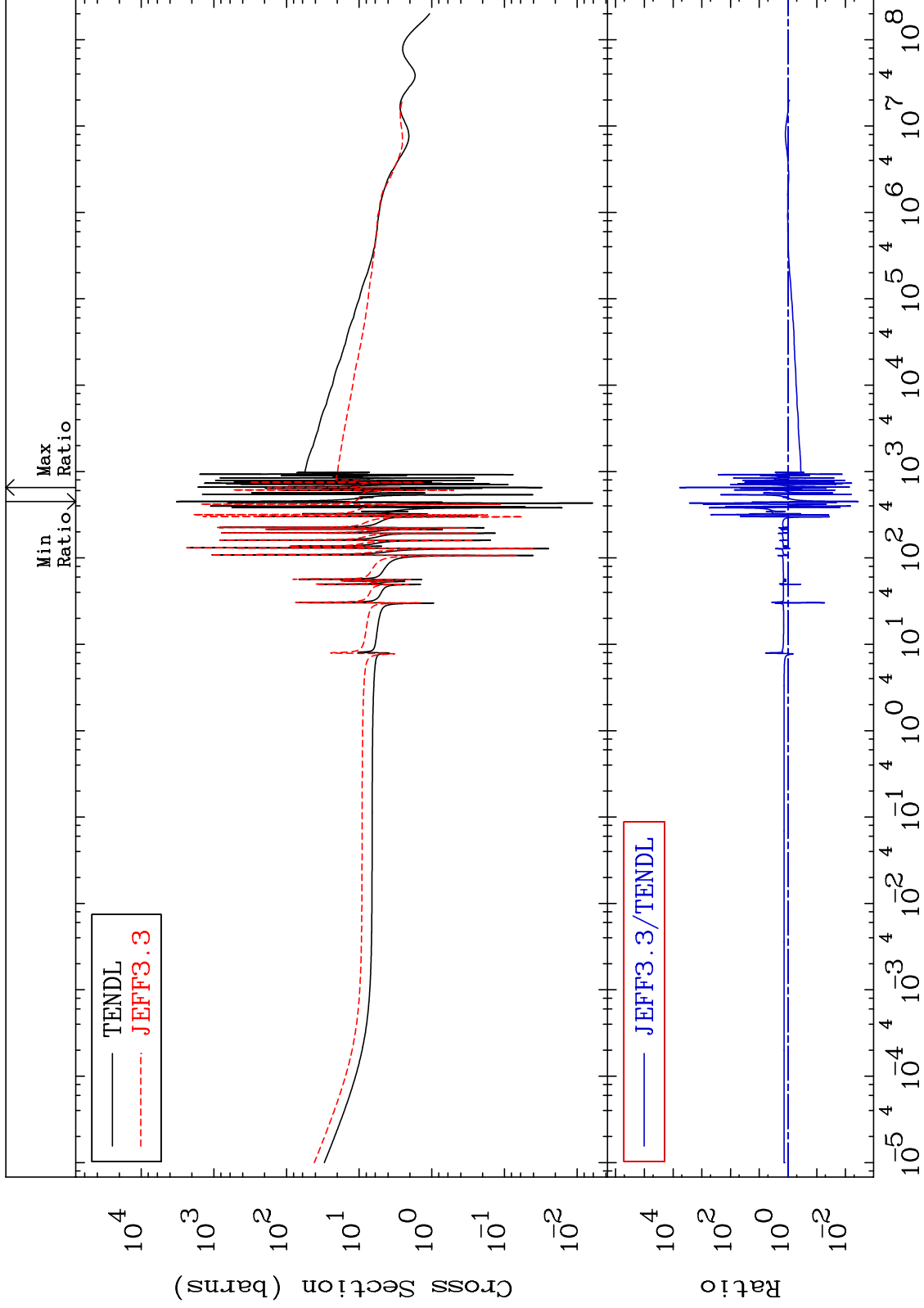
MAT 6831

Elastic

68-Er-164

Cross Section

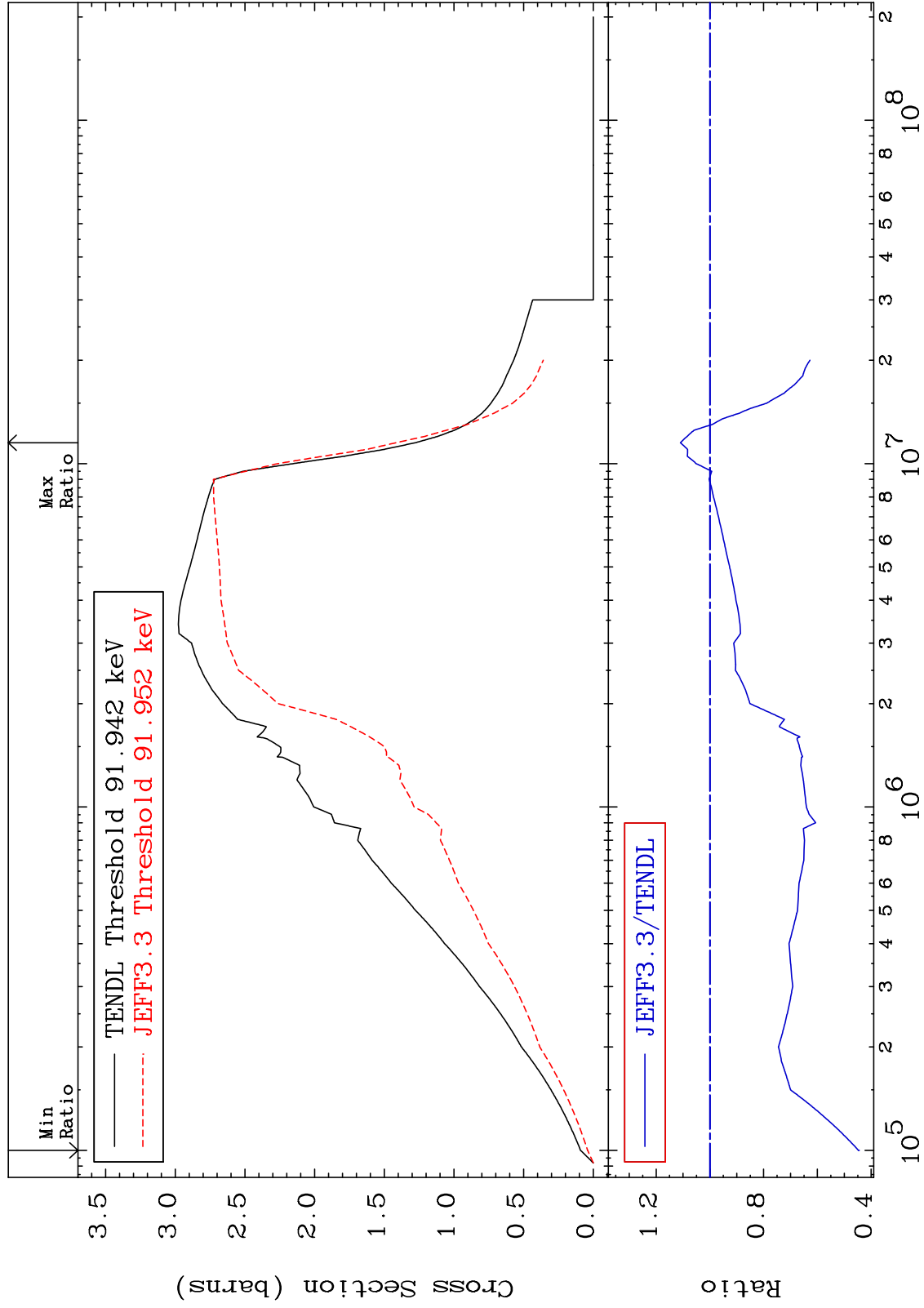
-99.64 To 9999. %



MAT 6831

Inelastic
Cross Section

68-Er-164
-55.30 To 10.96 %



Incident Energy (eV)

68-Er-164

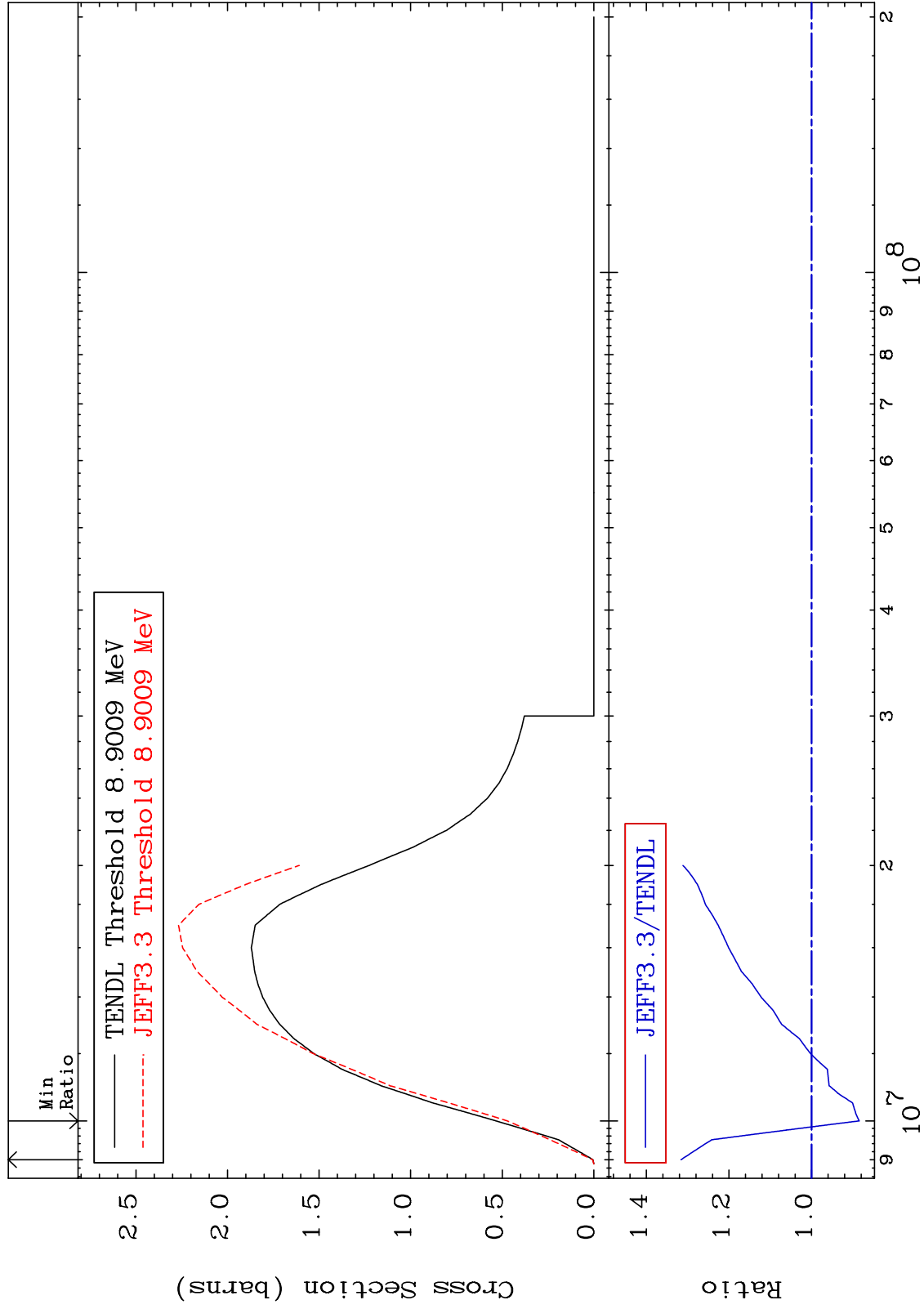
MAT 6831

(n,2n)

68-Er-164

Cross Section

-11.55 To 31.62 %



4

Incident Energy (eV)

68-Er-164

MAT 6831

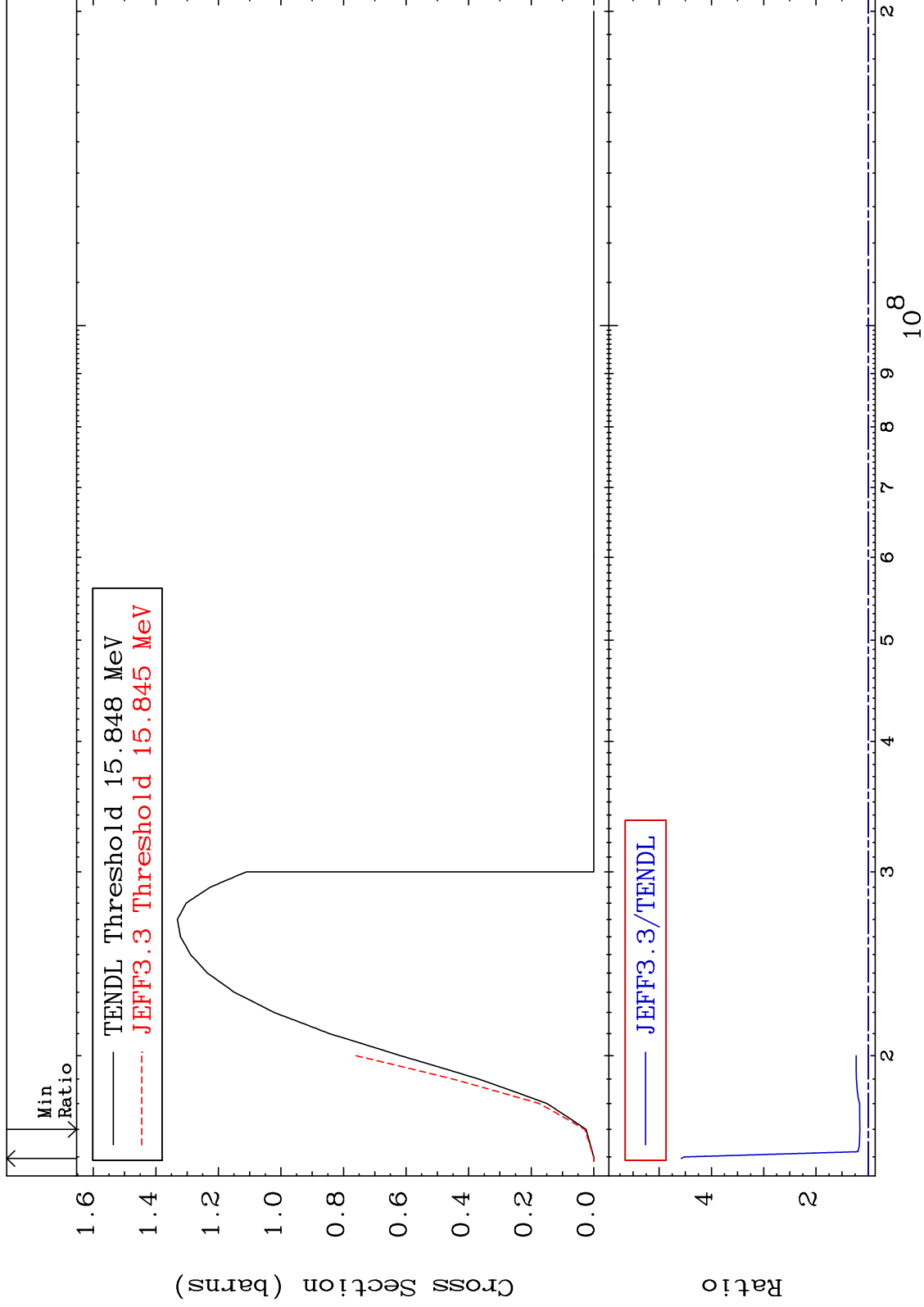
(n, 3n)

68-Er-164

Cross Section

15.82

To 357.8 %



5

Incident Energy (eV)

68-Er-164

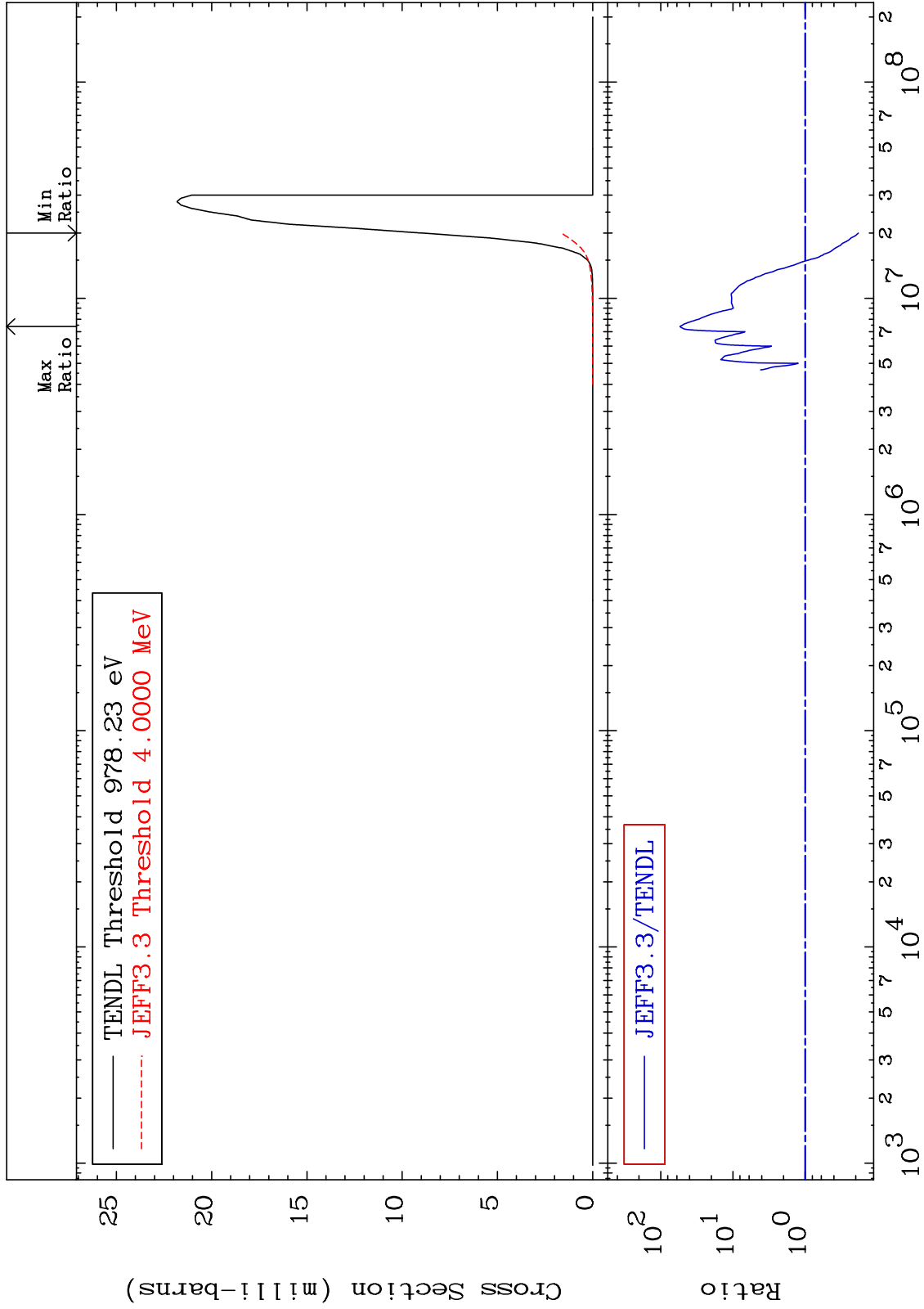
MAT 6831

(n, n') α

68-Er-164

Cross Section

-81.64 To 5313. %



6

Incident Energy (eV)

68-Er-164

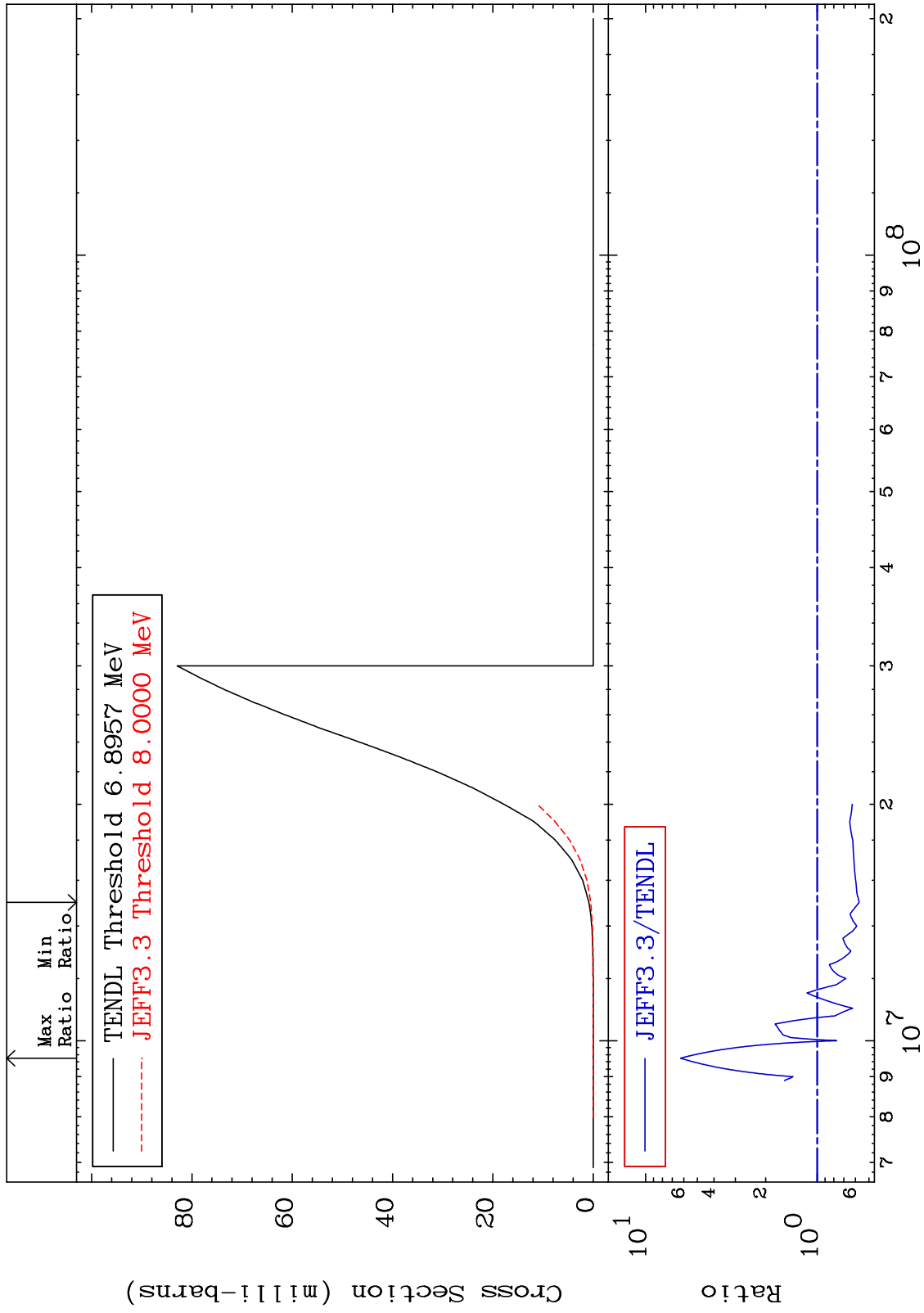
MAT 6831

(n, n') p

68-Er-164

Cross Section

-43.03 To 526.0 %



7

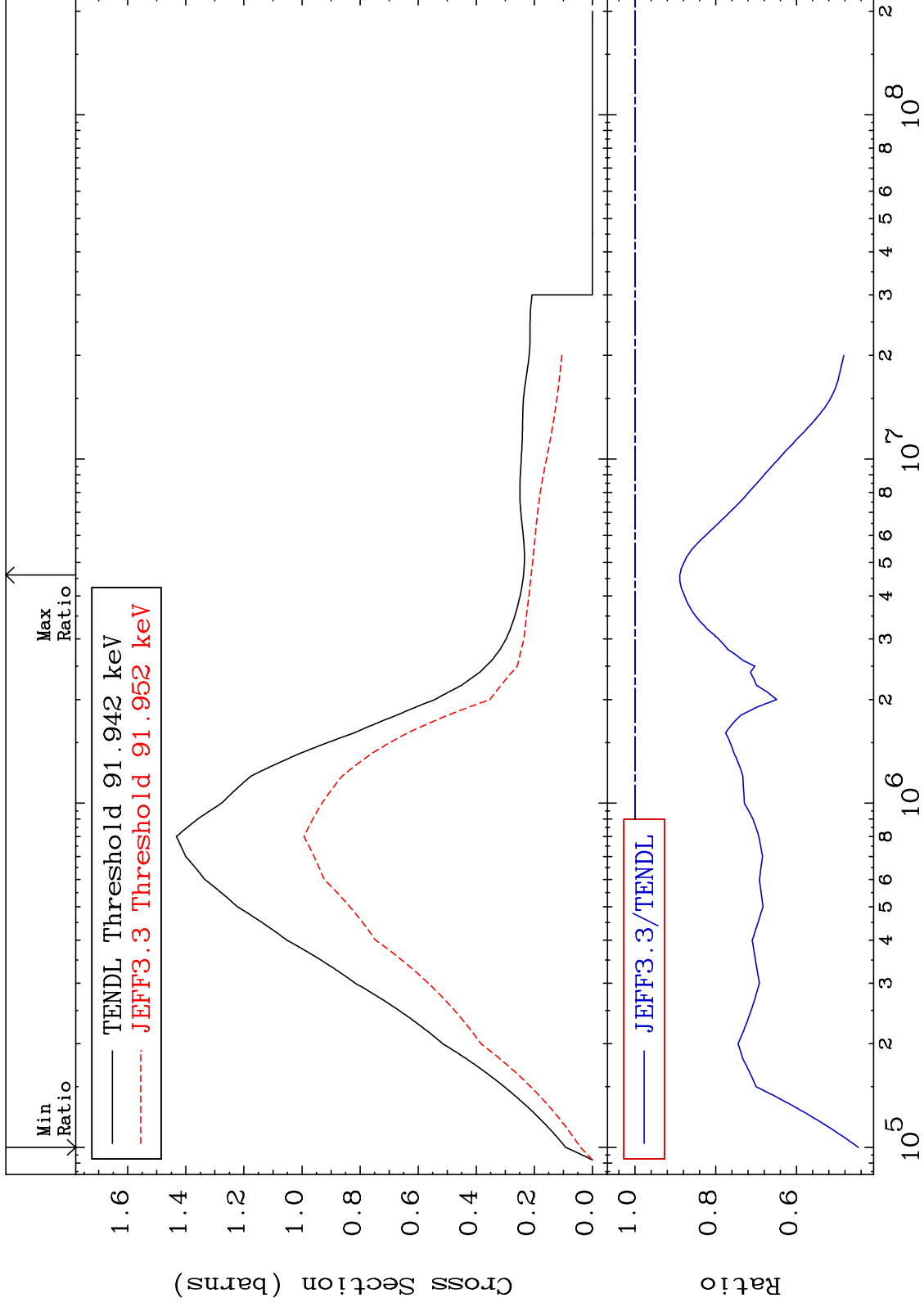
Incident Energy (eV)

68-Er-164

MAT 6831

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

68-Er-164
-55.30 To -11.10%



68-Er-164

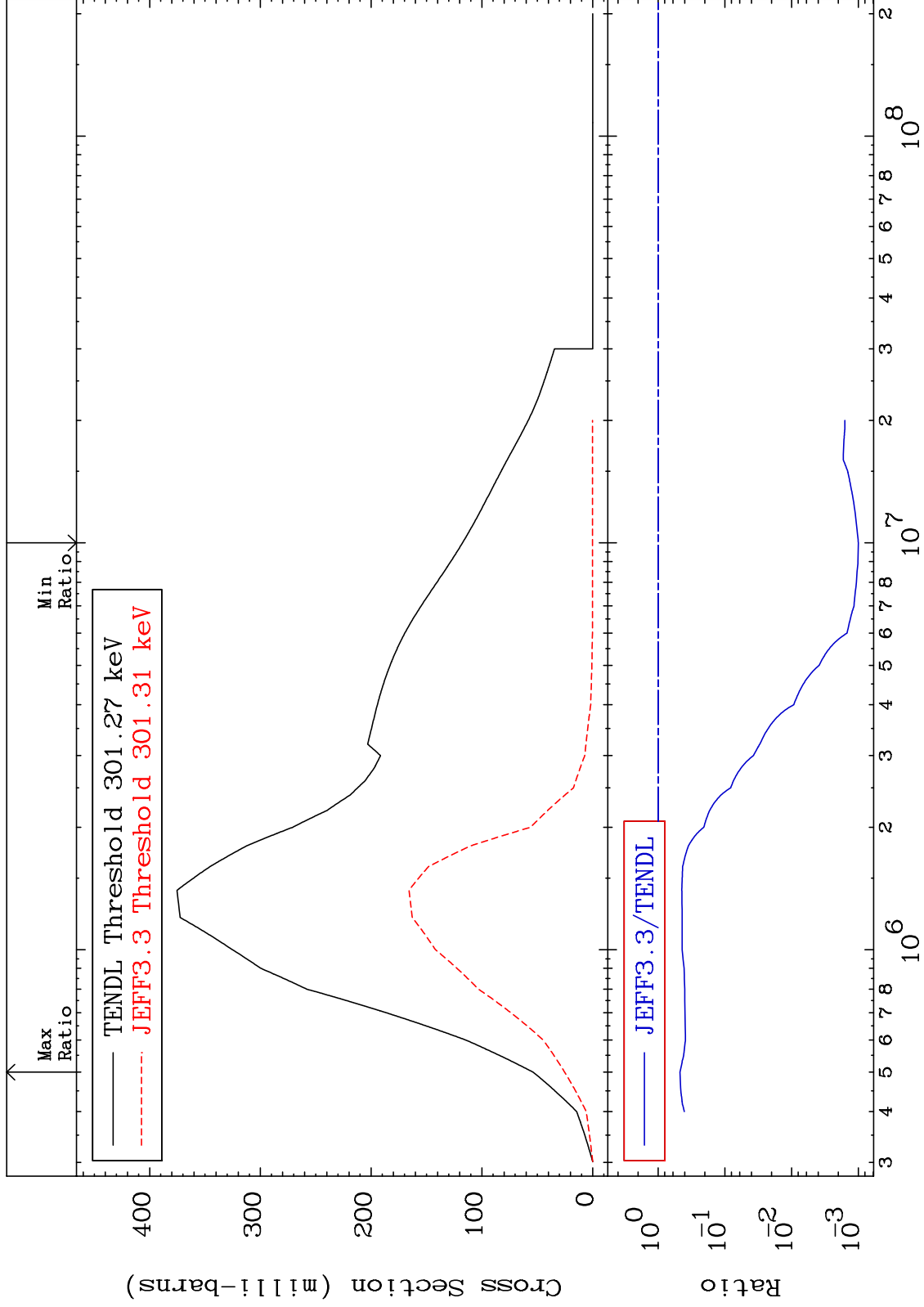
Incident Energy (eV)

8

MAT 6831

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

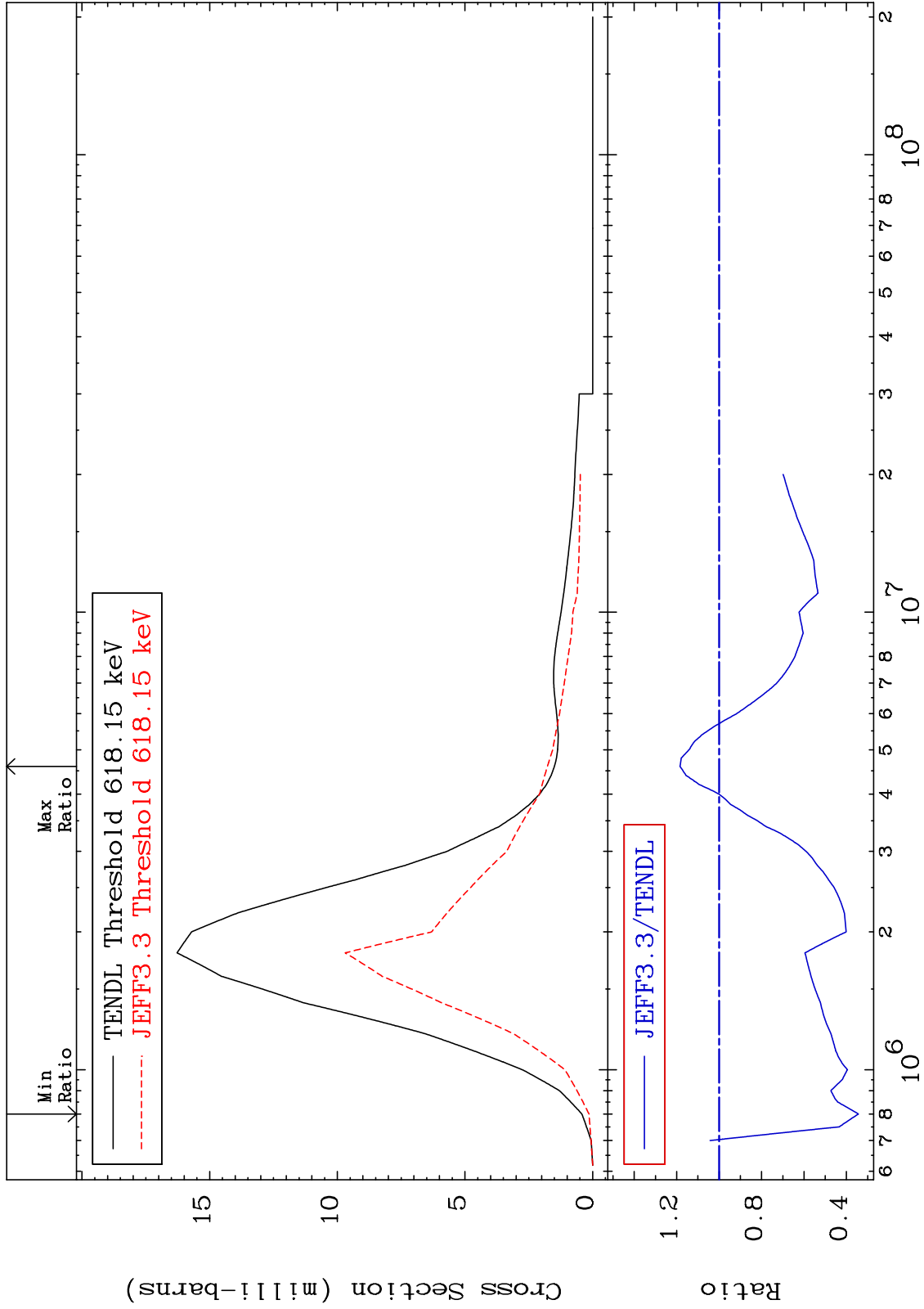
68-Er-164
-99.90 To -53.00%



MAT 6831

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

68-Er-164
-65.62 To 18.42 %



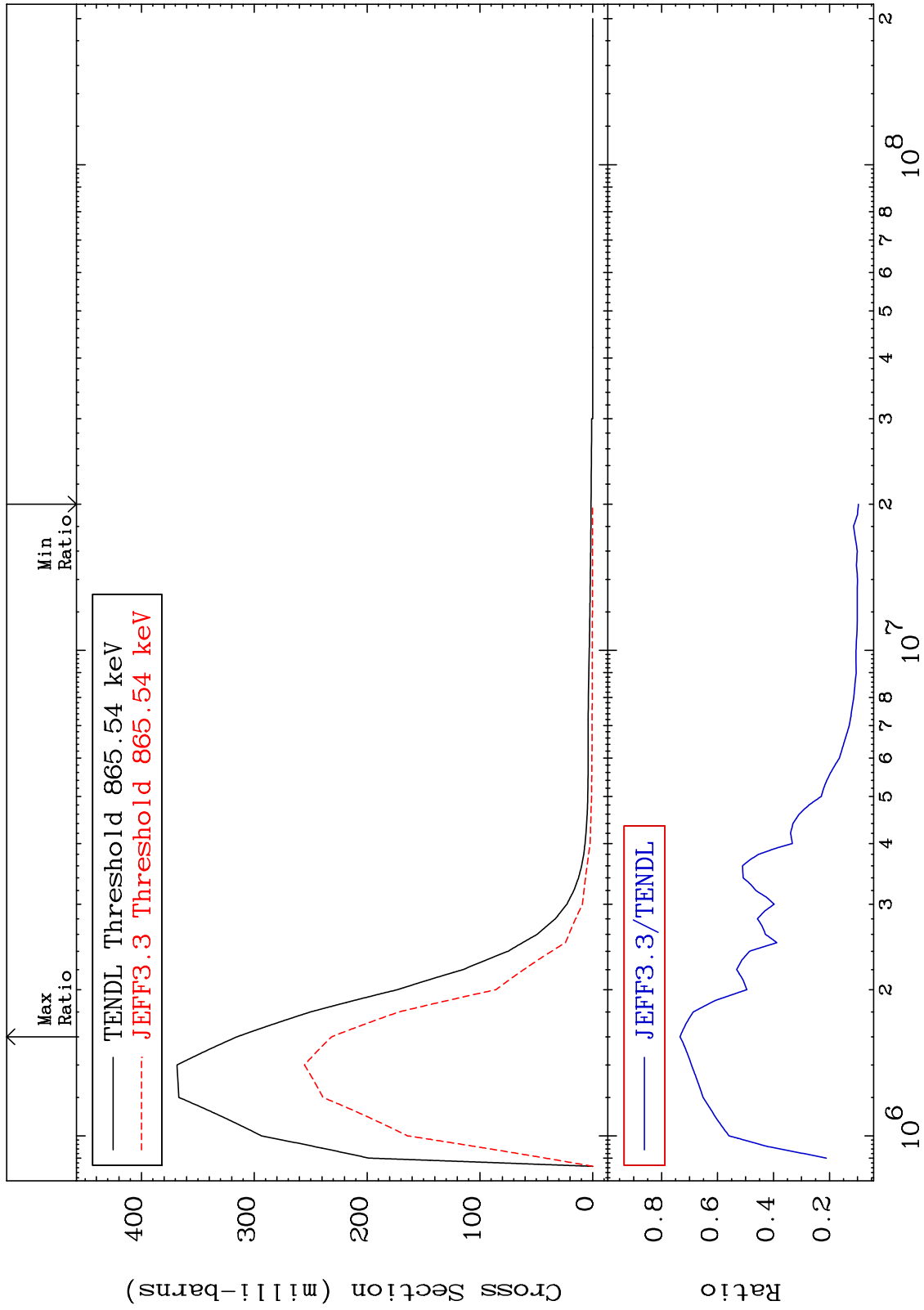
68-Er-164

Incident Energy (eV)

MAT 6831

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

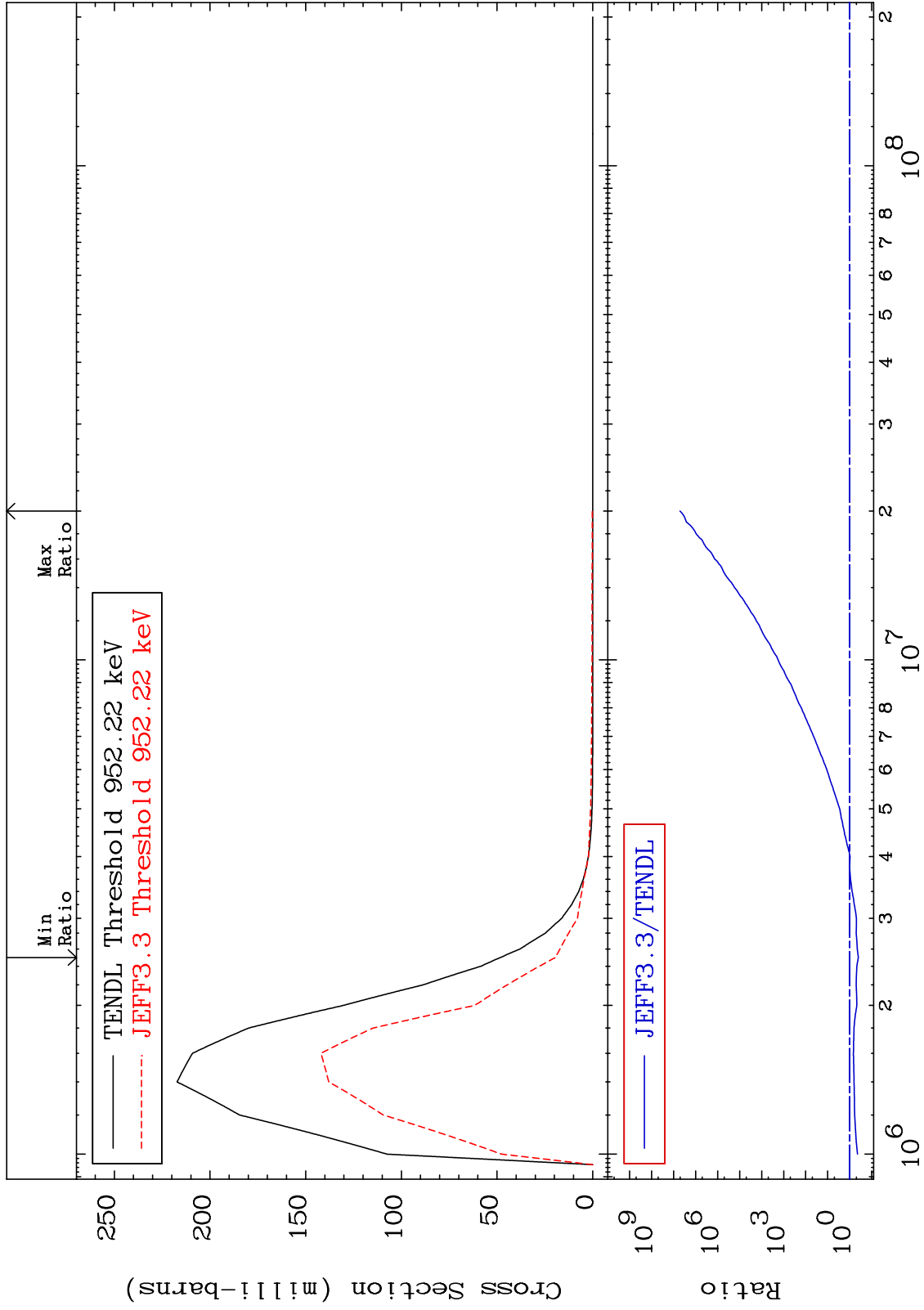
68-Er-164
-90.33 To -26.58%



MAT 6831

MT= 55 (n, n') Level
Cross Section

68-Er-164
-59.75 To 9999. %



12

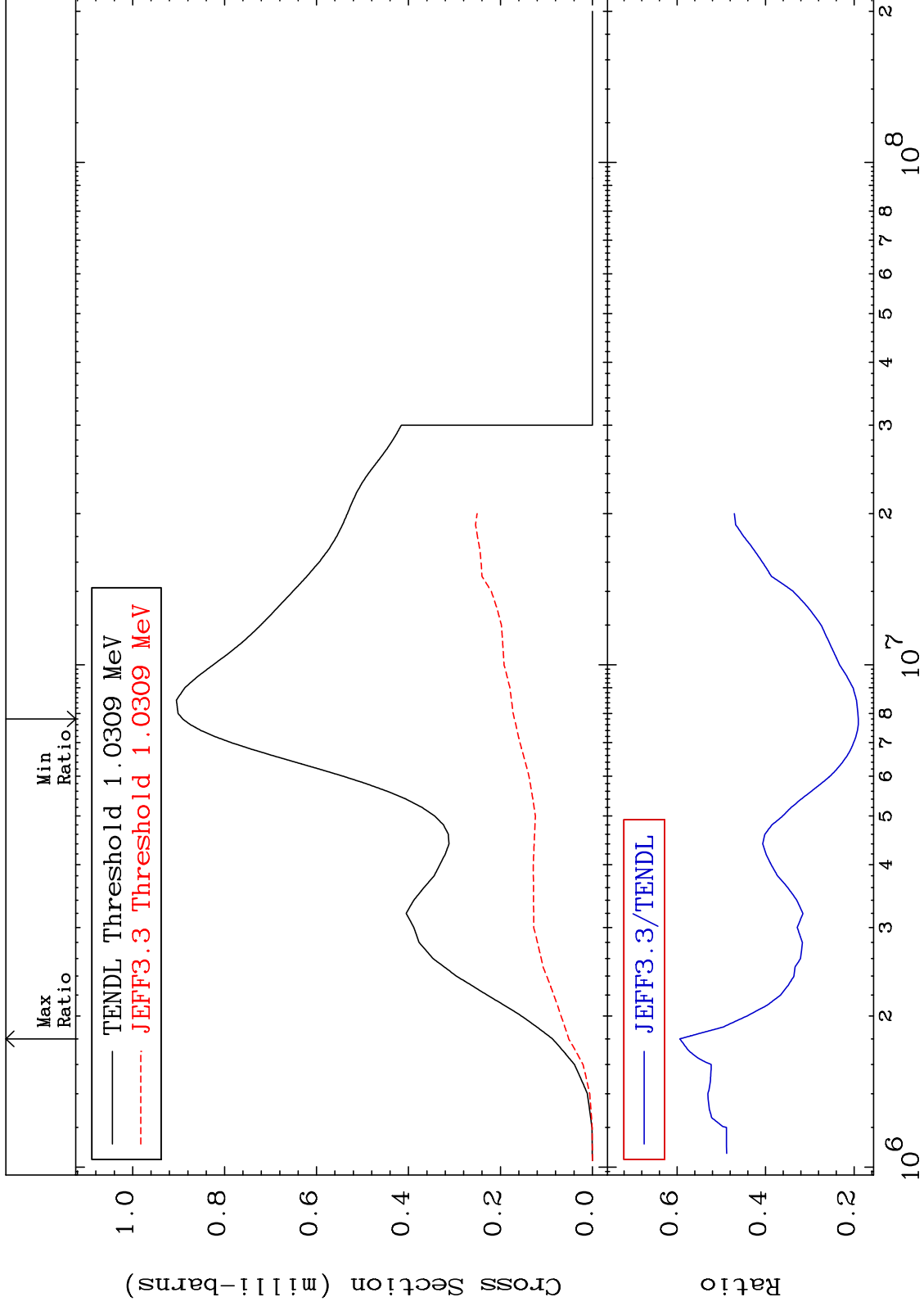
Incident Energy (eV)

68-Er-164

MAT 6831

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

68-Er-164
-80.97 To -40.61%



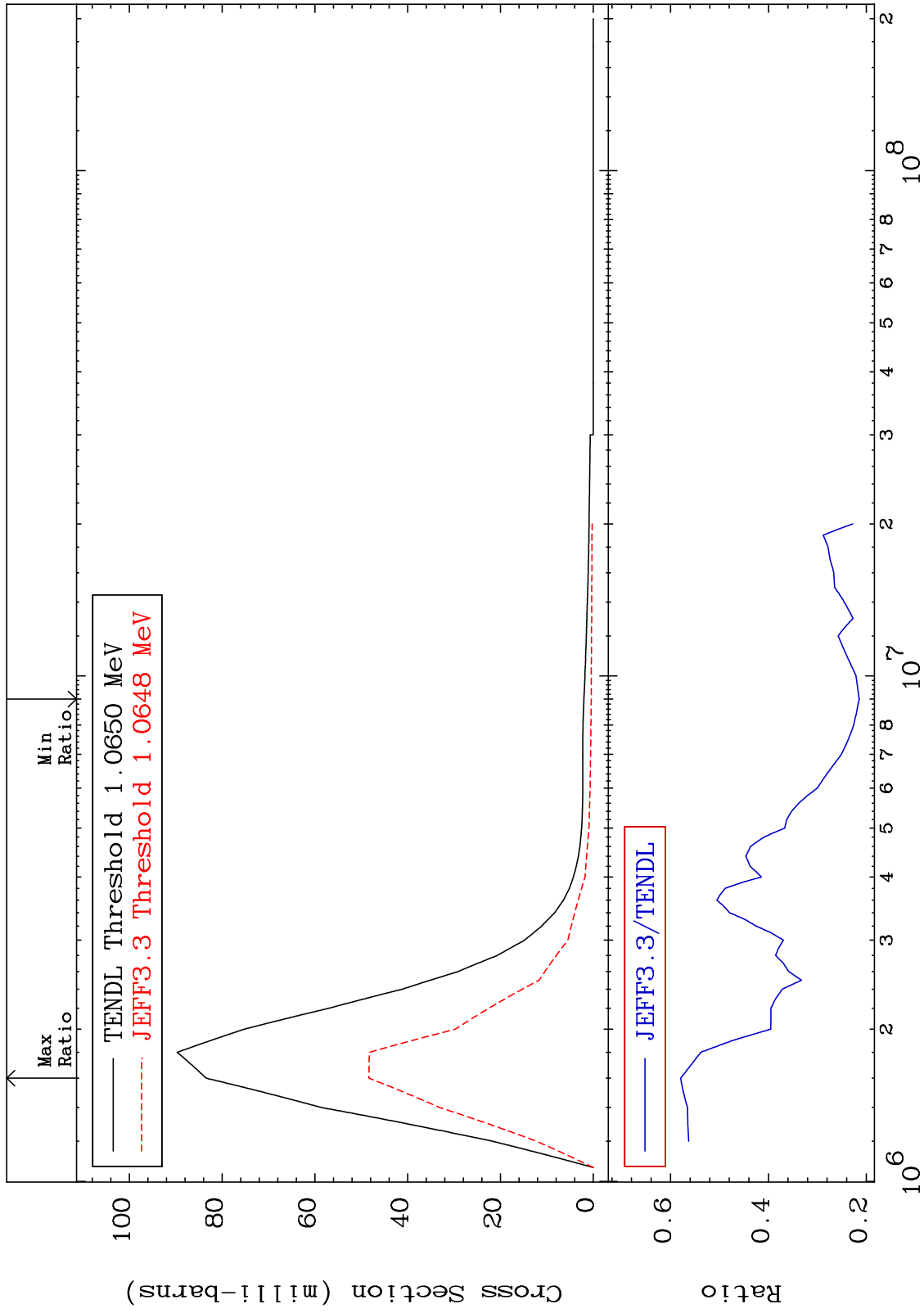
13

68-Er-164

MAT 6831

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

68-Er-164
-78.55 To -42.05%



14

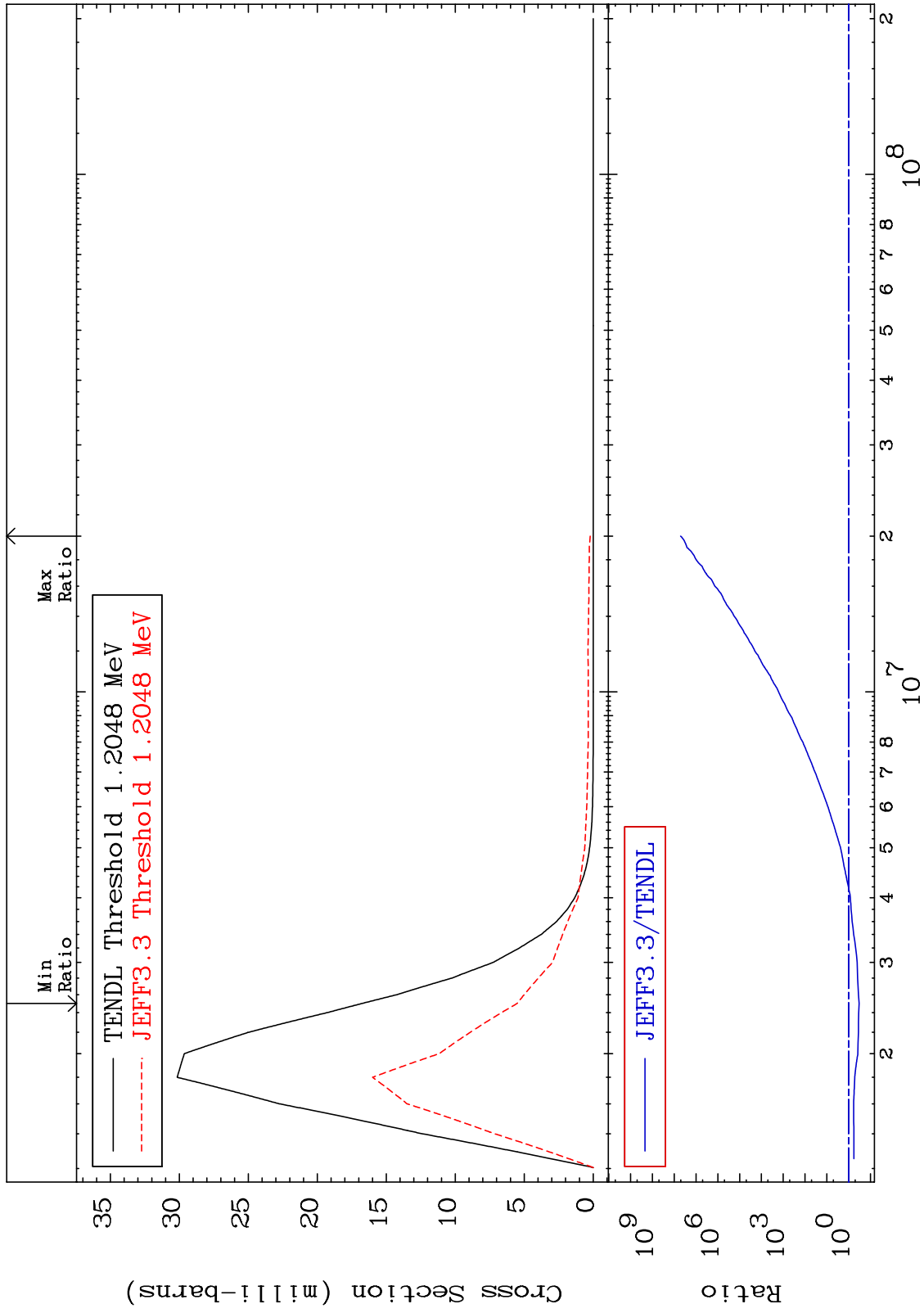
68-Er-164

68-Er-164

MAT 6831

MT= 58 (n, n') Level
Cross Section

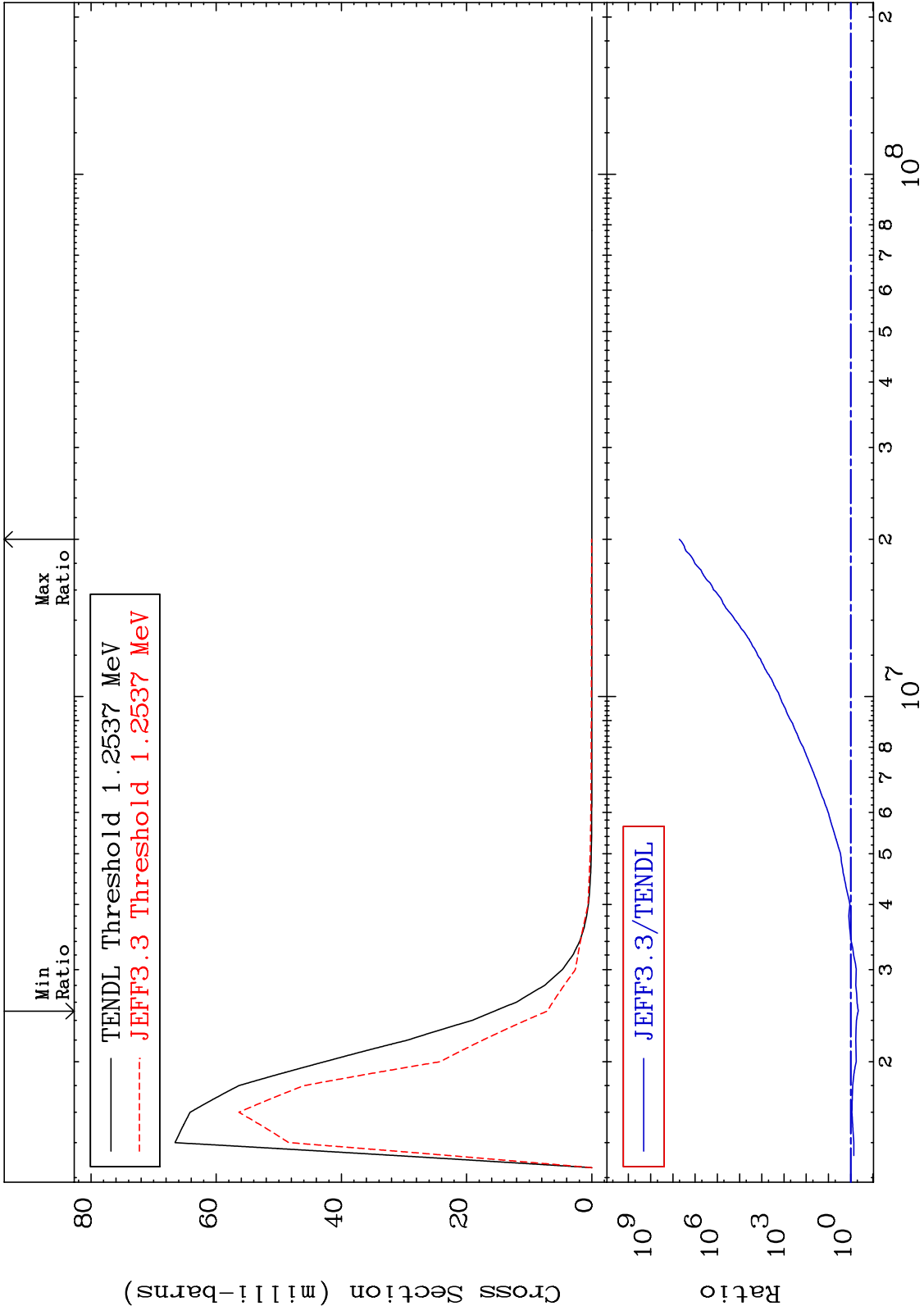
68-Er-164
-67.07 To 9999. %



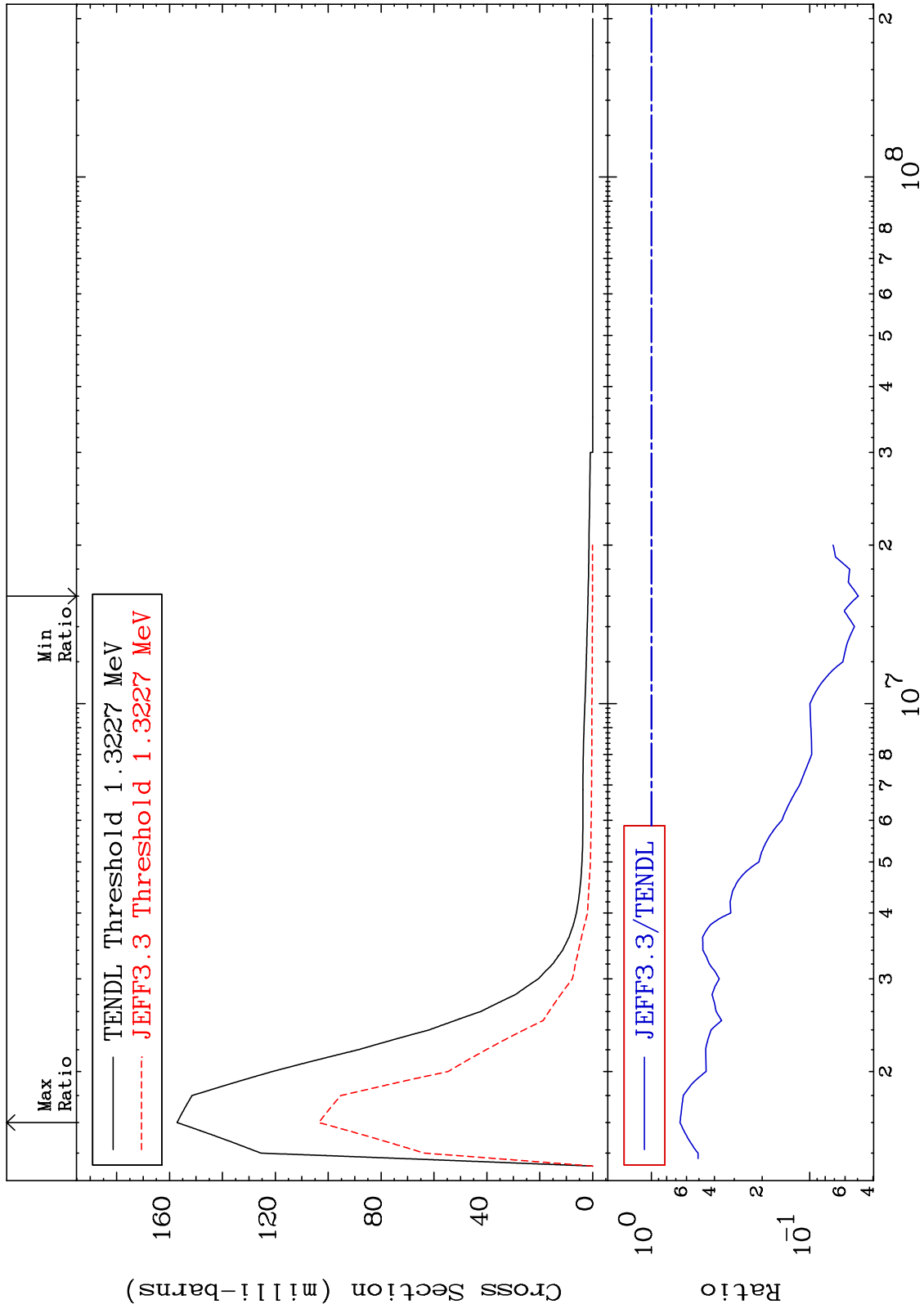
MAT 6831

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

68-Er-164
-54.29 To 9999. %



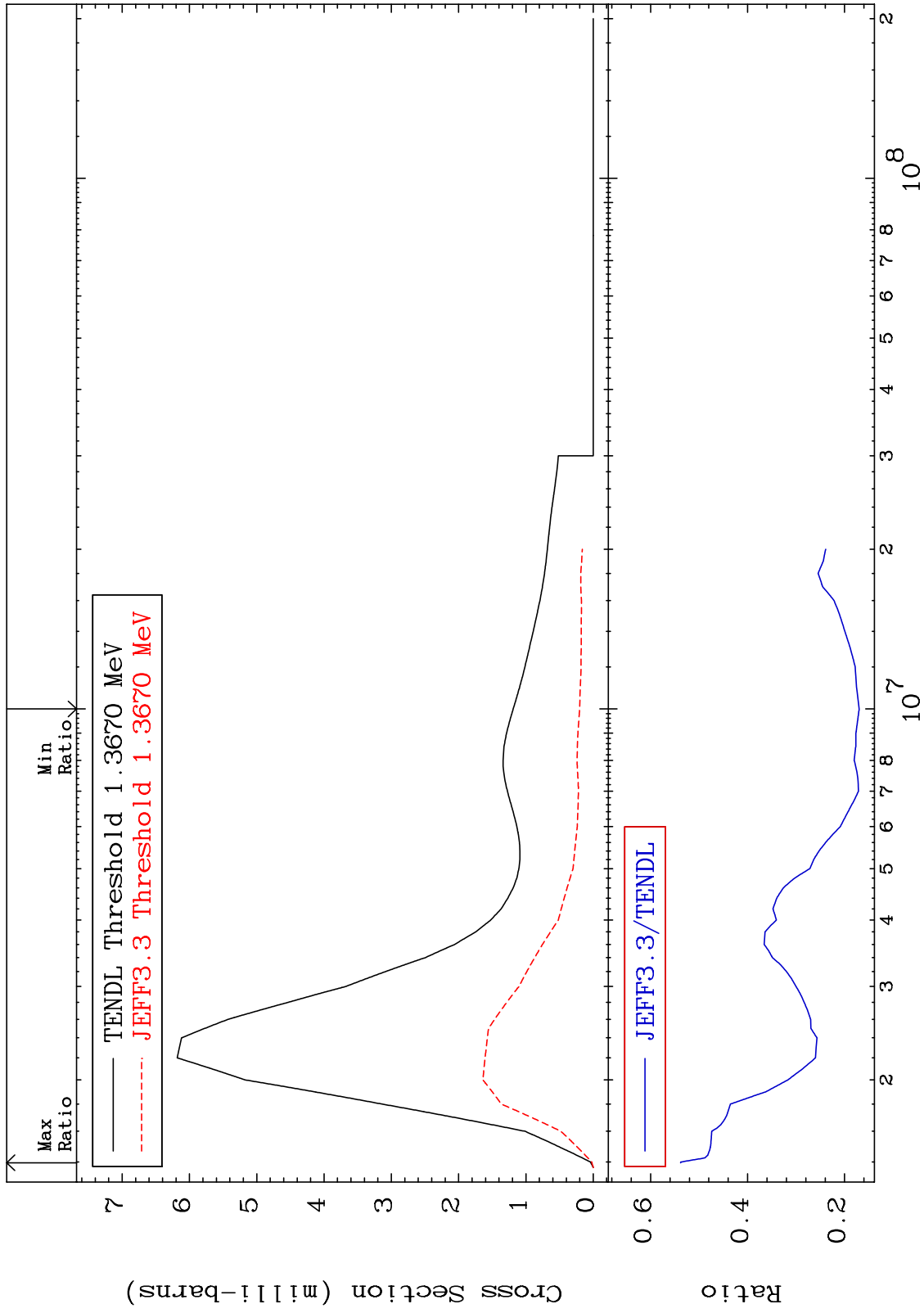
MAT 6831 MT= 60 (n,n') Level Cross Section 68-Er-164
 -95.06 To -34.10%



MAT 6831

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

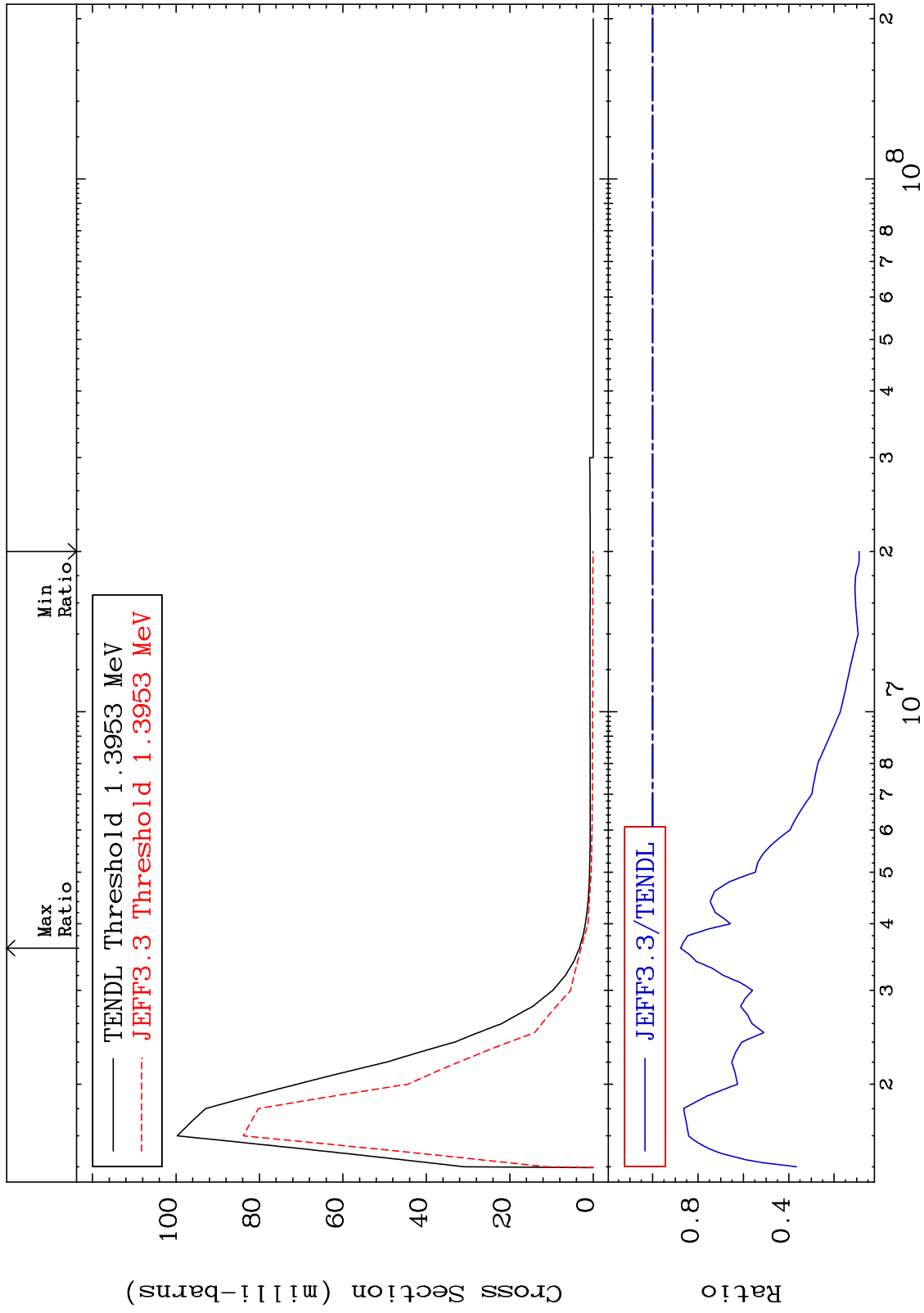
68-Er-164
-83.01 To -46.19%



MAT 6831

MT= 62 (n,n') Level
Cross Section

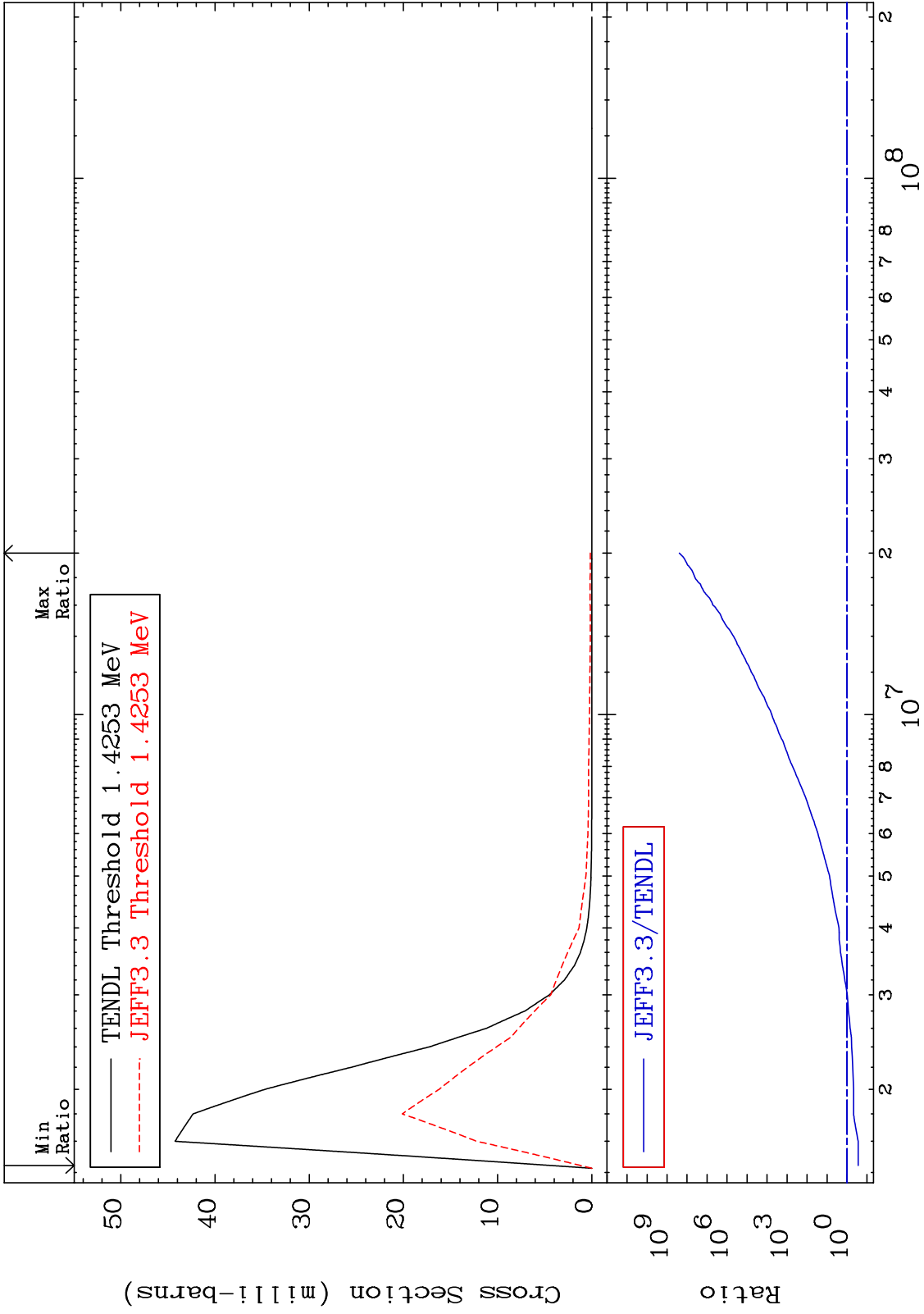
68-Er-164
-91.05 To -12.36%



MAT 6831

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

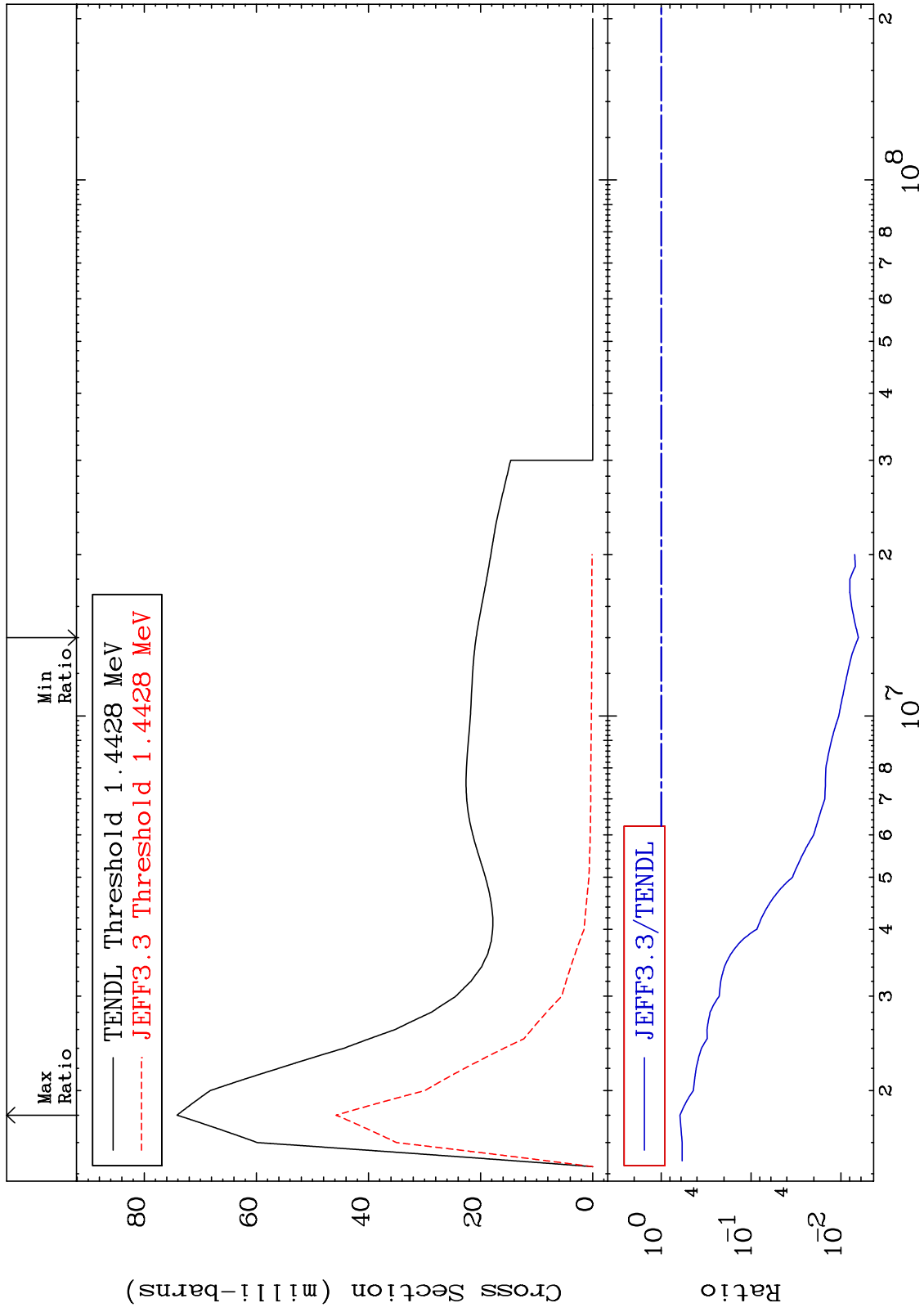
68-Er-164
-72.46 To 9999. %



MAT 6831

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

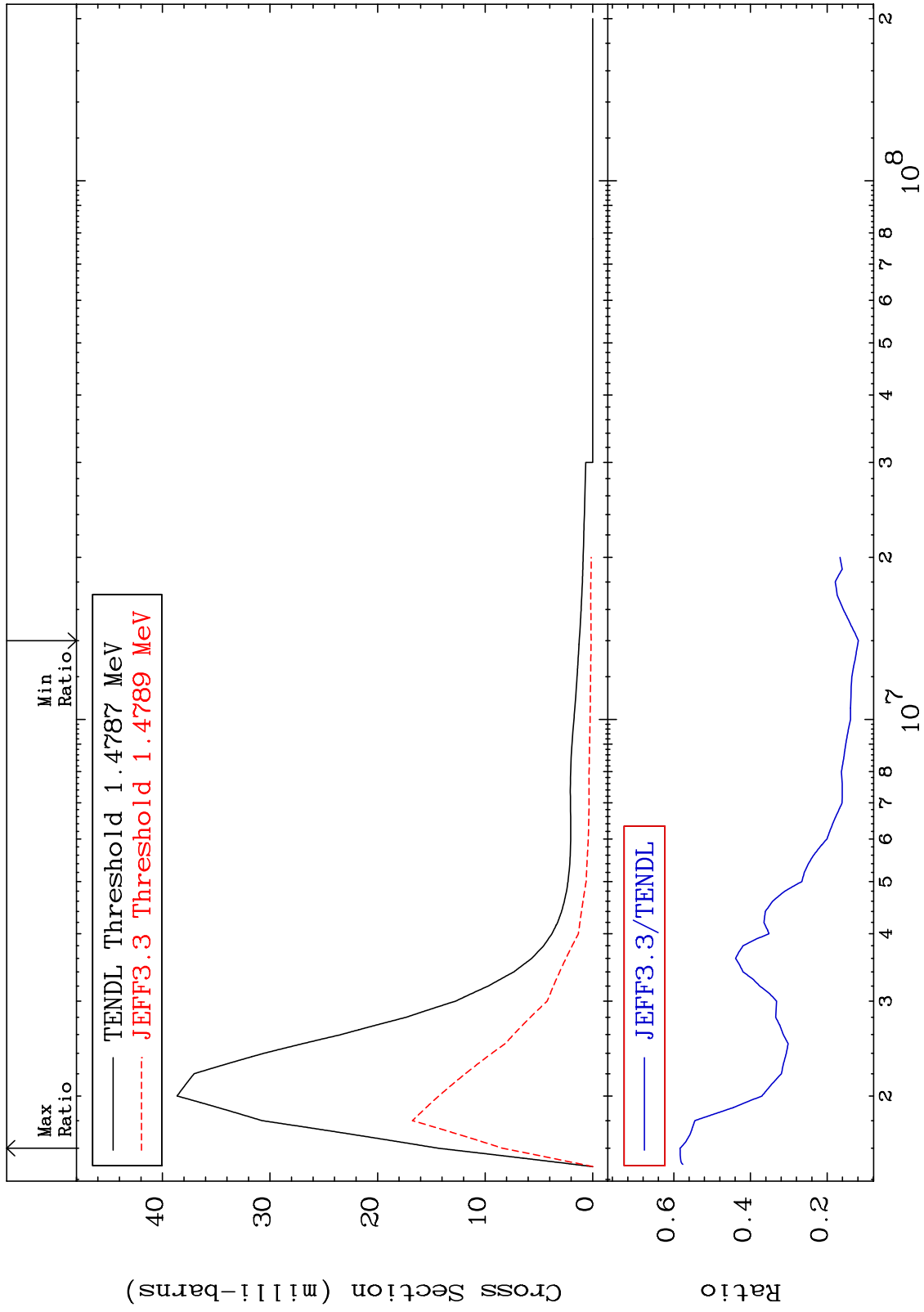
68-Er-164
-99.36 To -38.27%



MAT 6831

MT= 65 (n,n') Level
Cross Section

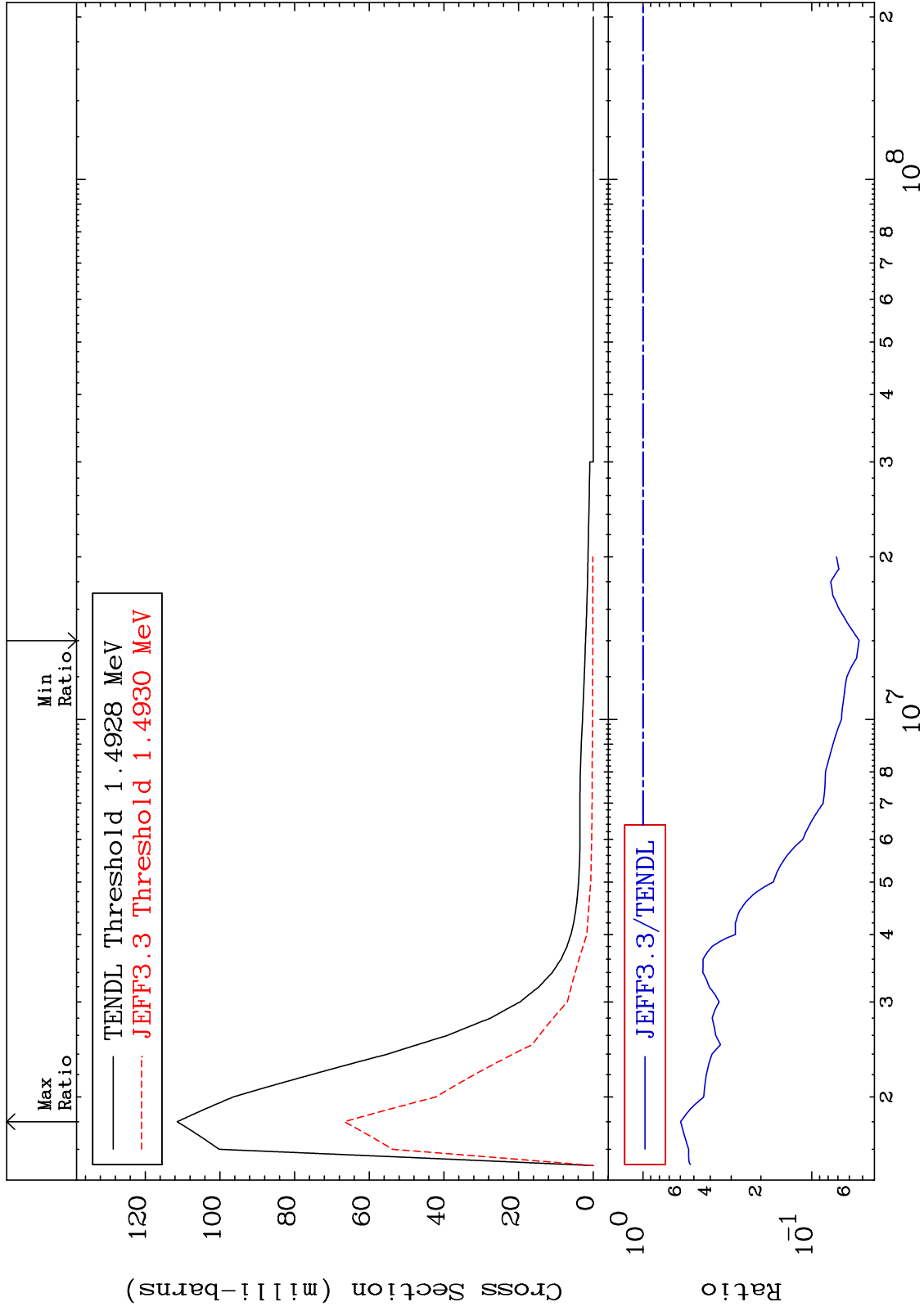
68-Er-164
-88.15 To -41.63%



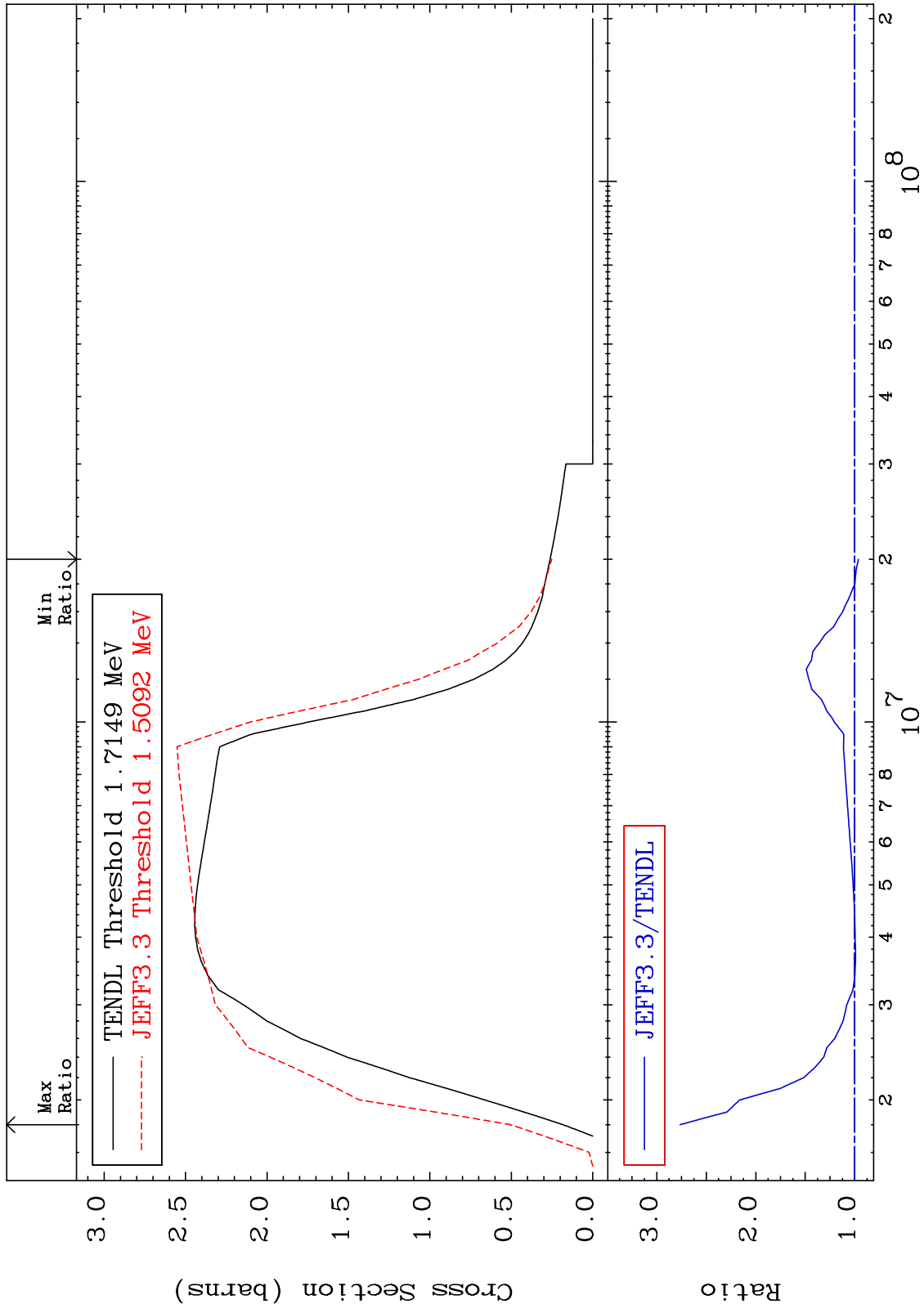
MAT 6831

MT= 66 (n,n') Level
Cross Section

68-Er-164
-94.76 To -40.15%



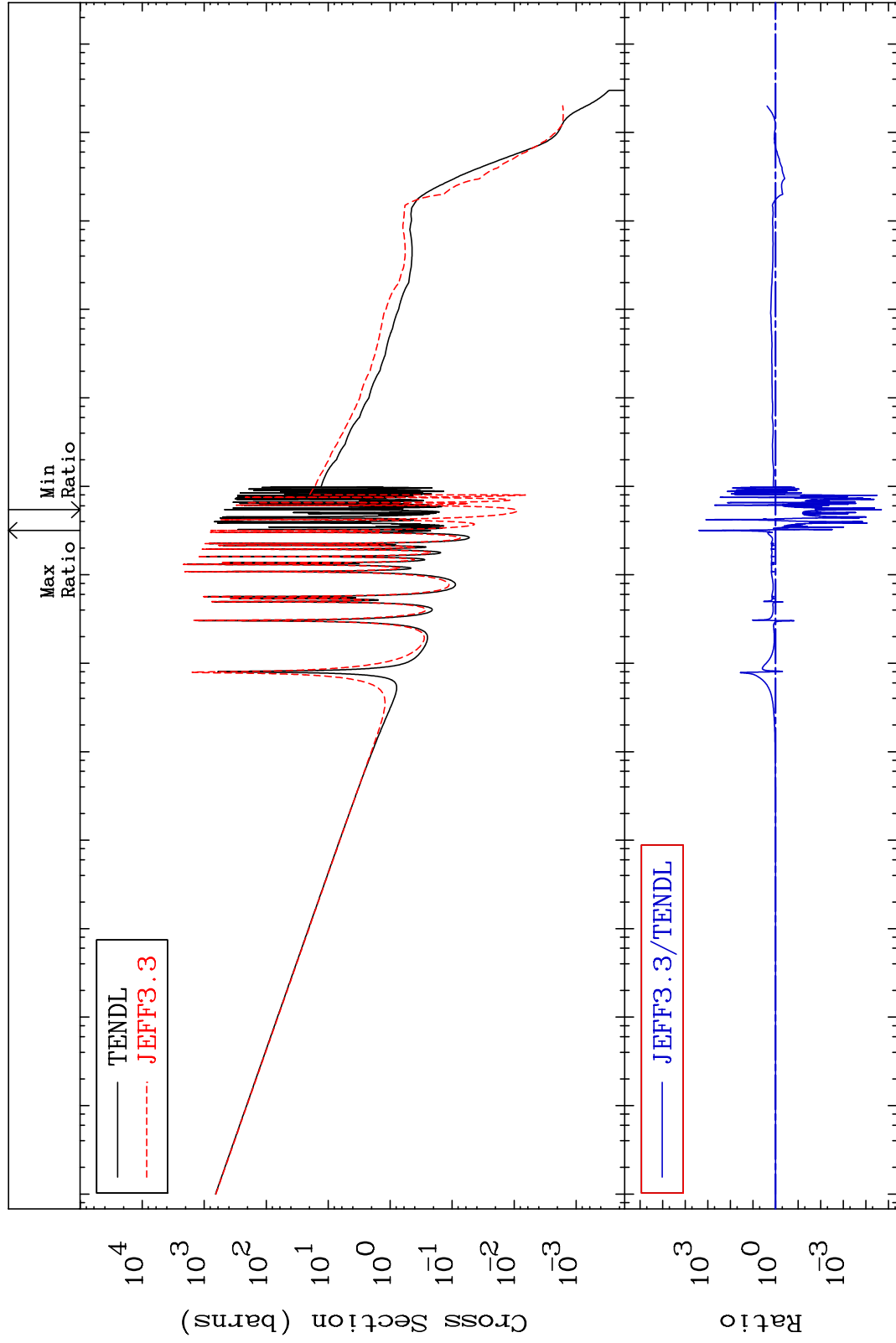
MAT 6831 (n, n') Continuum Cross Section 68-Er-164 -3.700 To 176.5 %



MAT 6831

68-Er-164

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



25

Incident Energy (eV)

68-Er-164

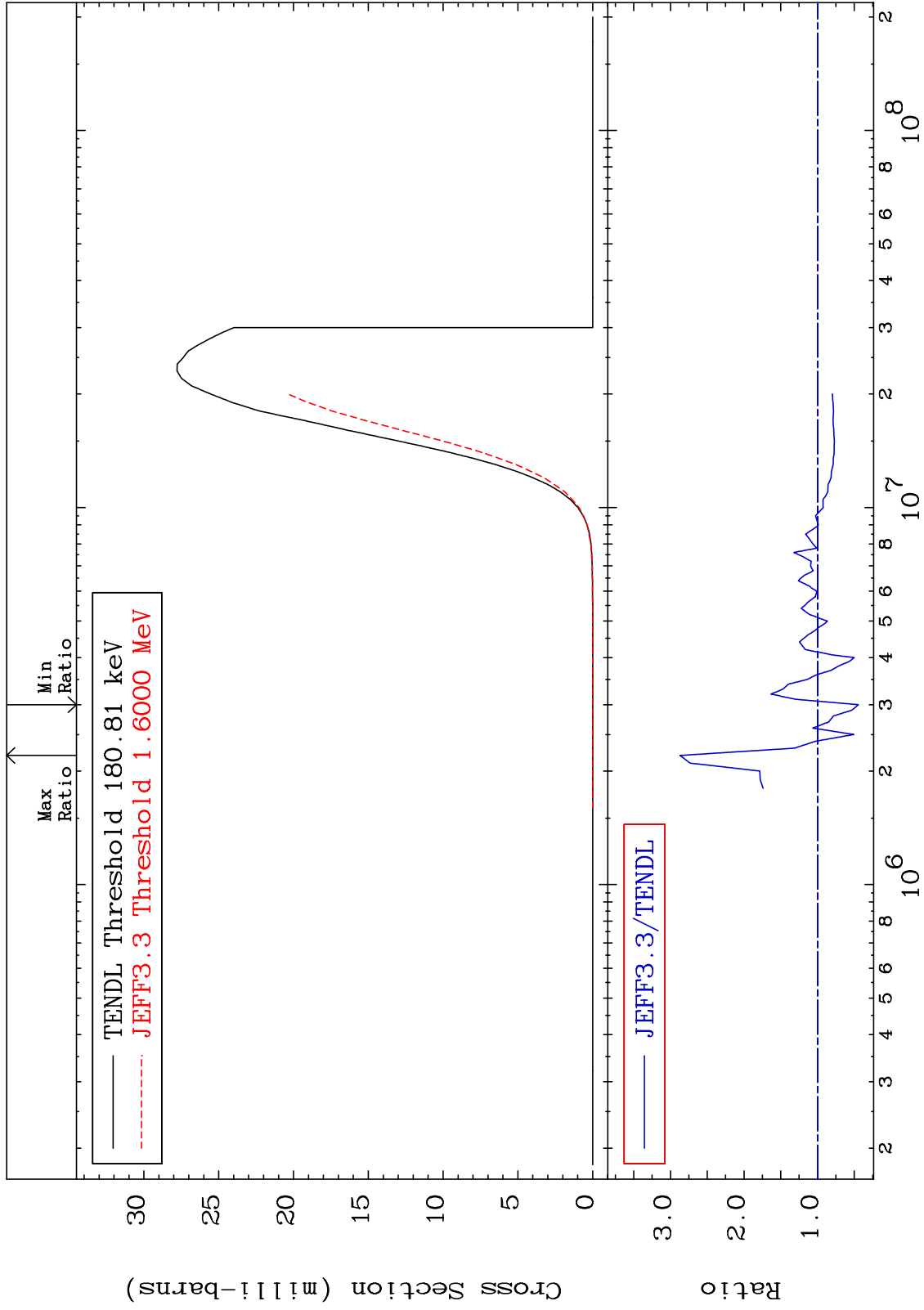
MAT 6831

(n, p)

68-Er-164

Cross Section

-55.60 To 187.0 %



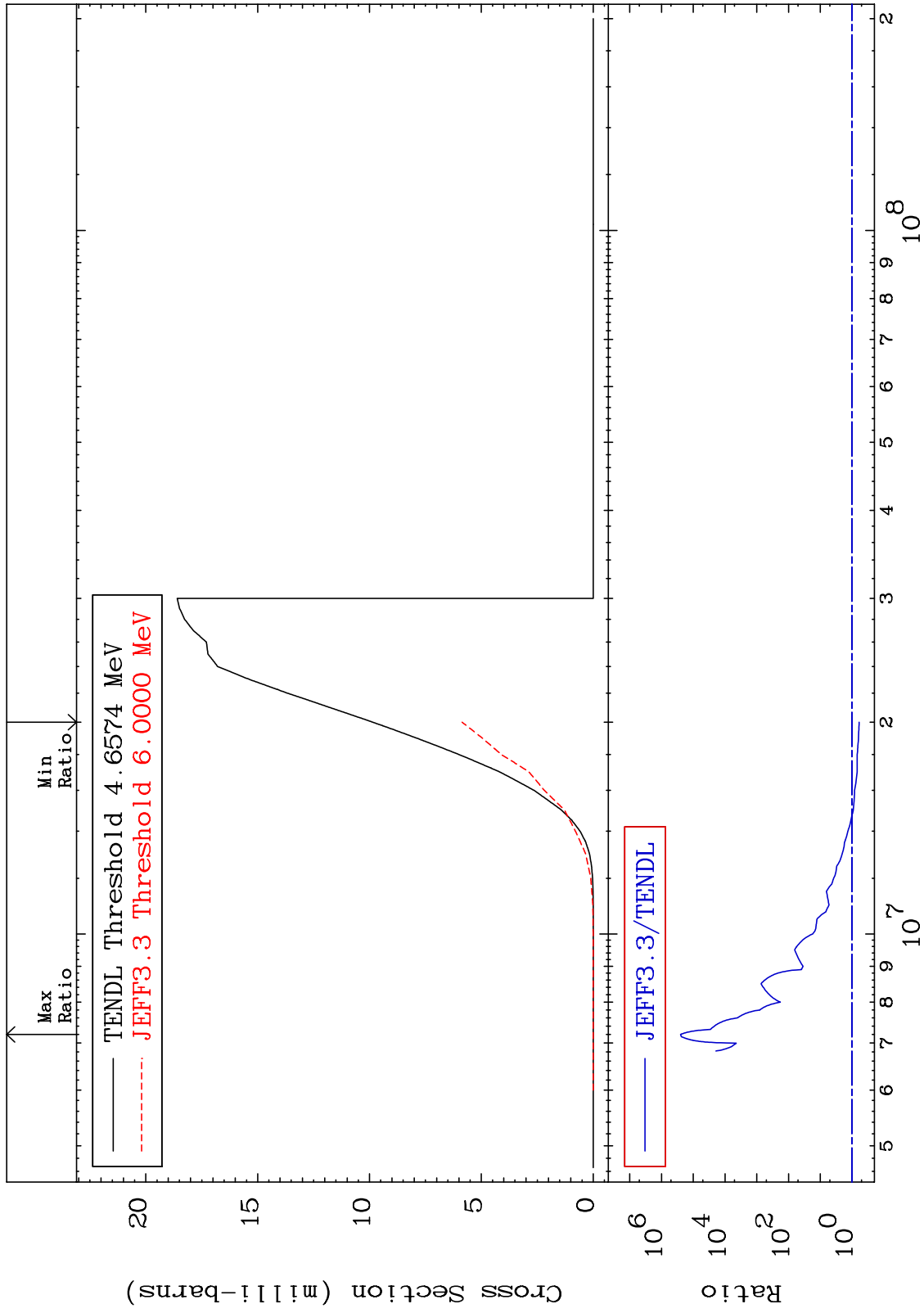
MAT 6831

(n, d)

68-Er-164

Cross Section

-40.49 To 9999. %



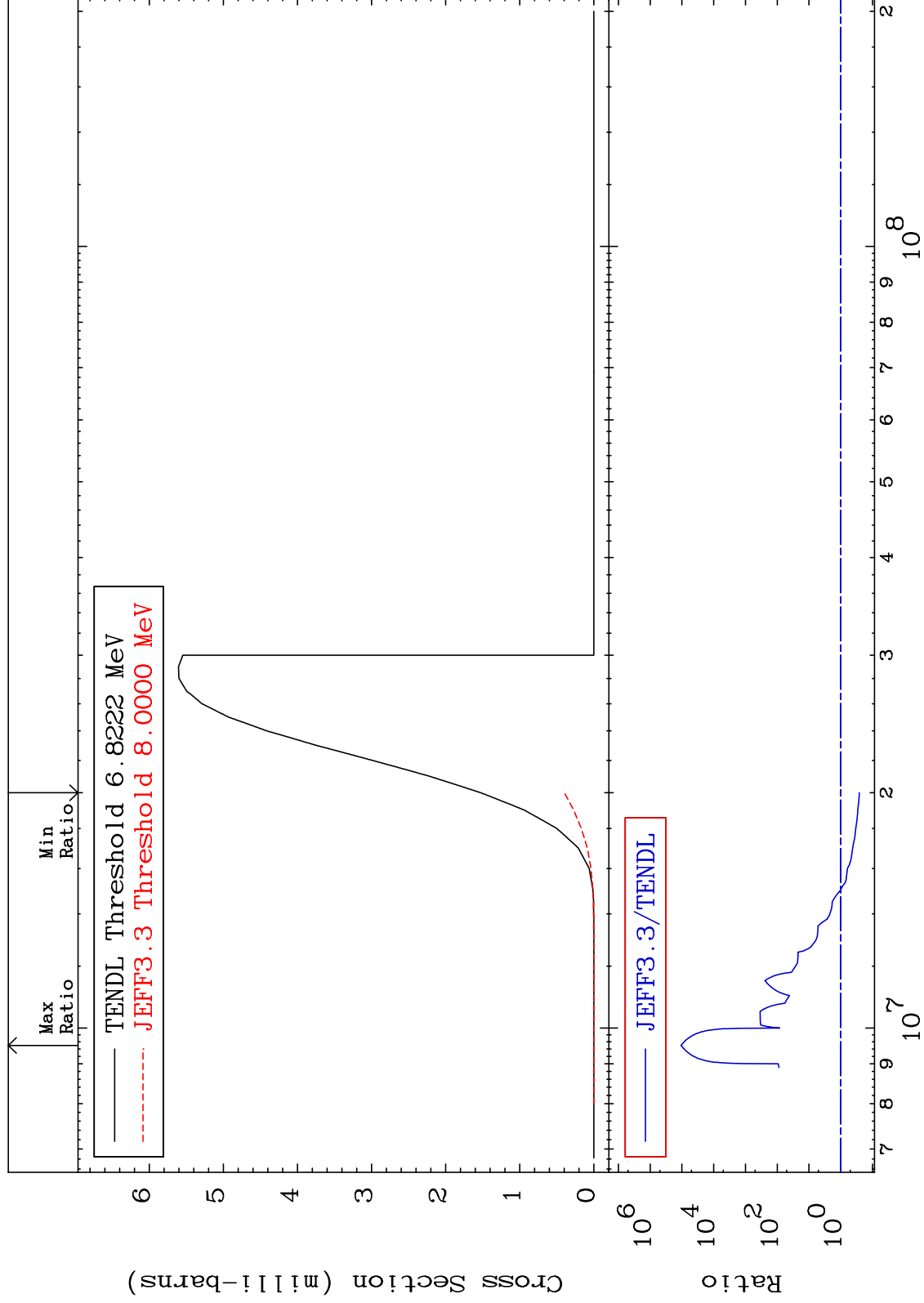
MAT 6831

(n, t)

68-Er-164

-73.97 To 9999. %

Cross Section



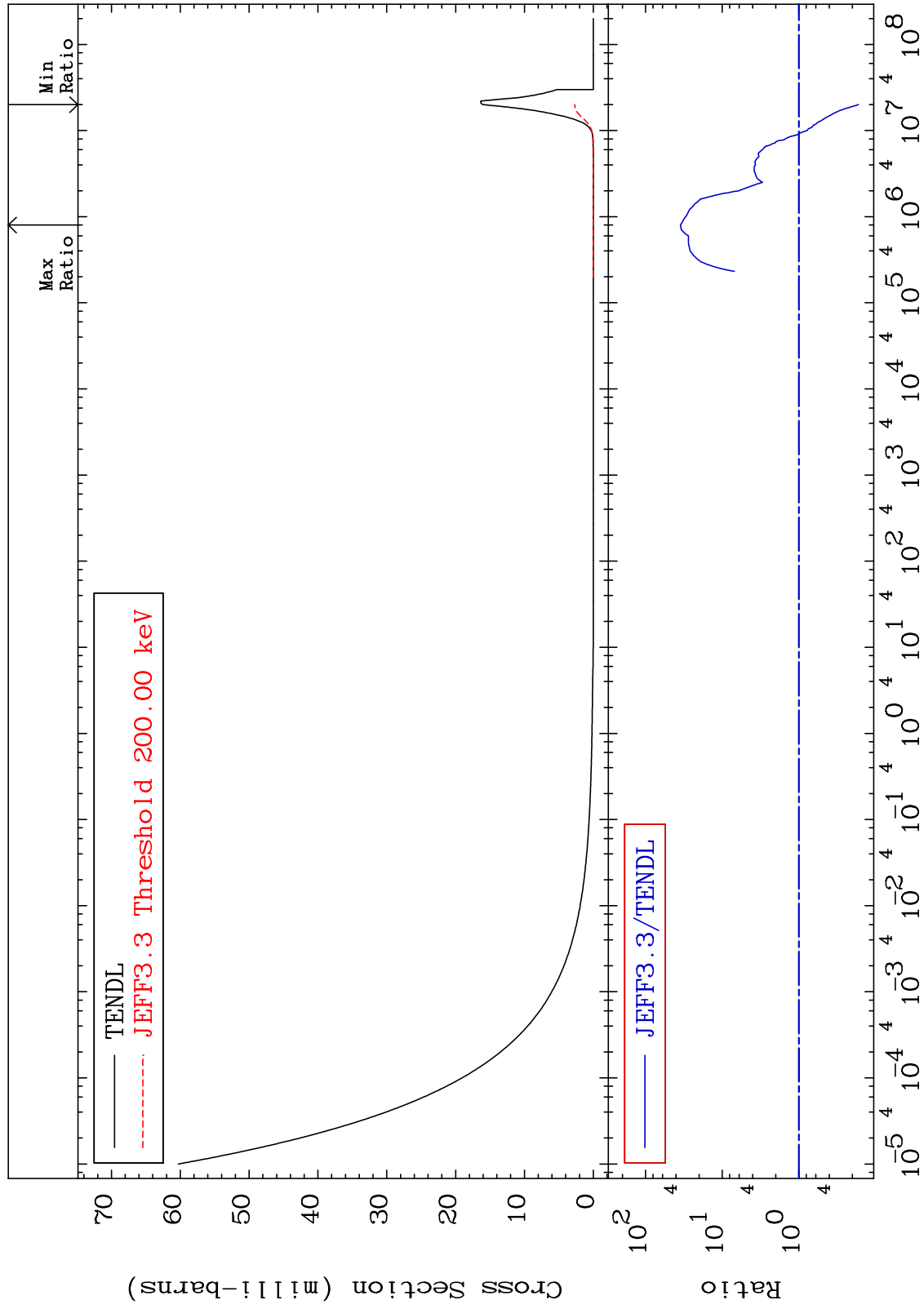
MAT 6831

(n, α)

68-Er-164

Cross Section

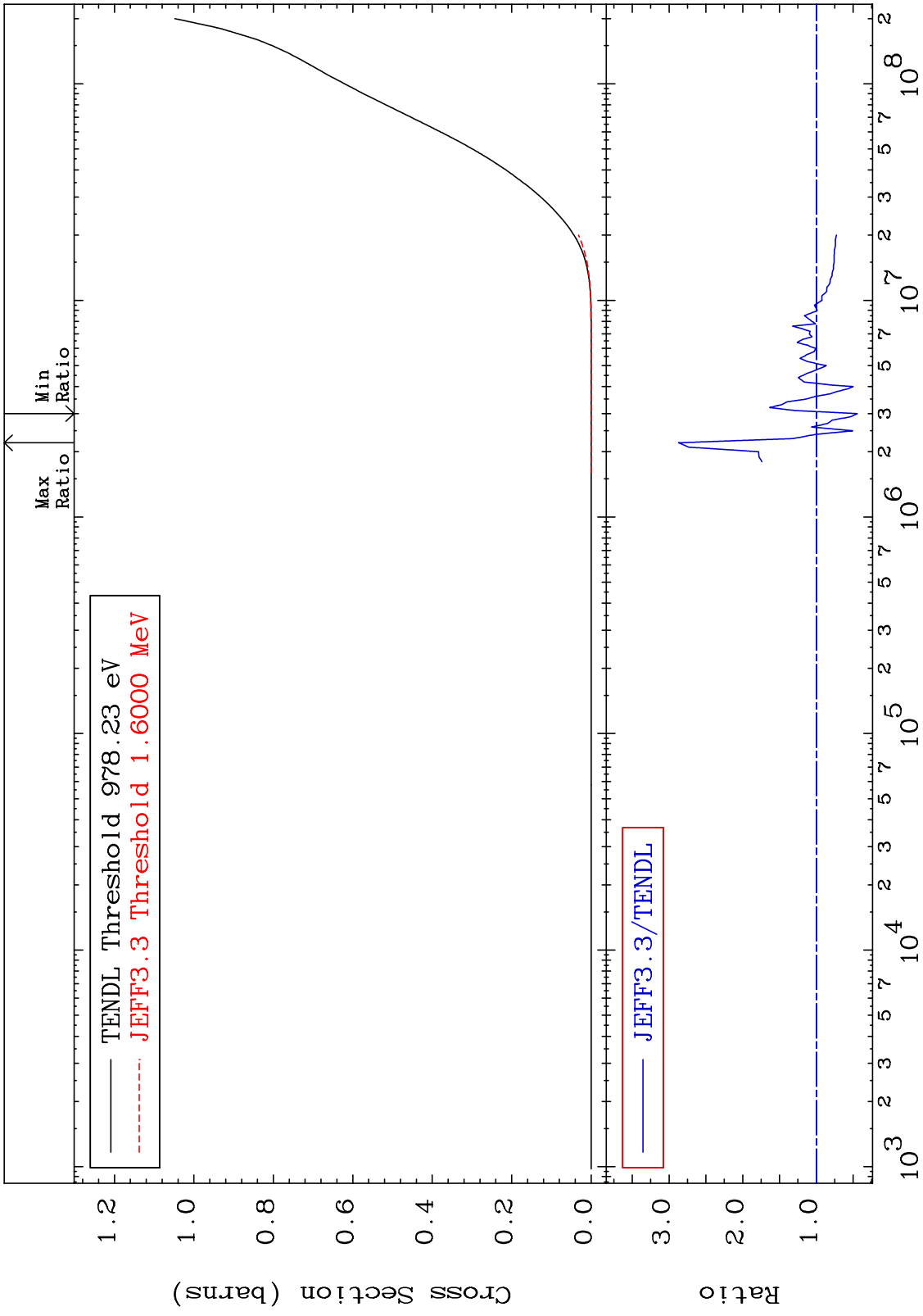
-83.38 To 3405. %



MAT 6831

Hydrogen Production
Cross Section

68-Er-164
-55.60 To 187.0 %



30

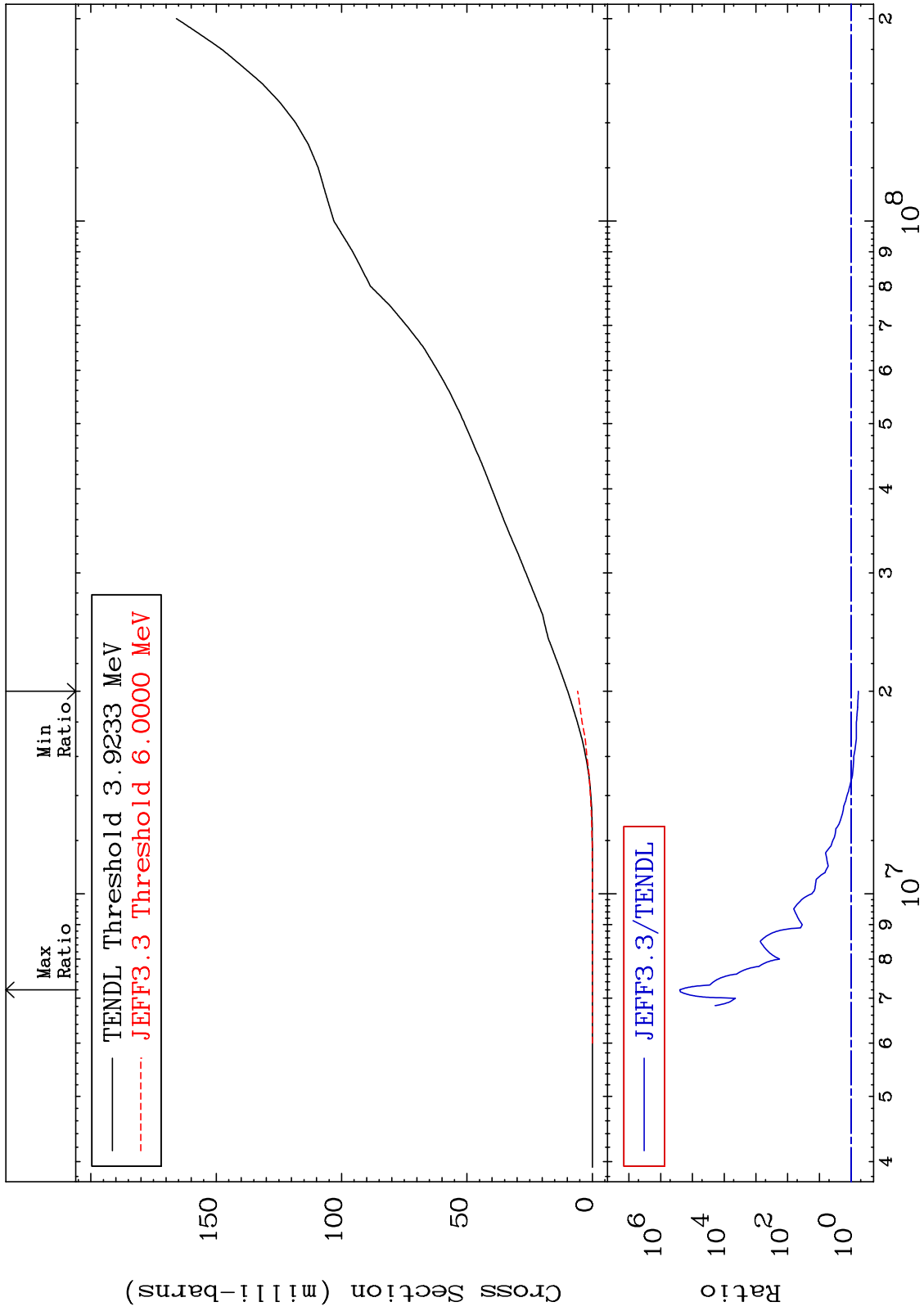
Incident Energy (eV)

68-Er-164

MAT 6831

Deuterium Production
Cross Section

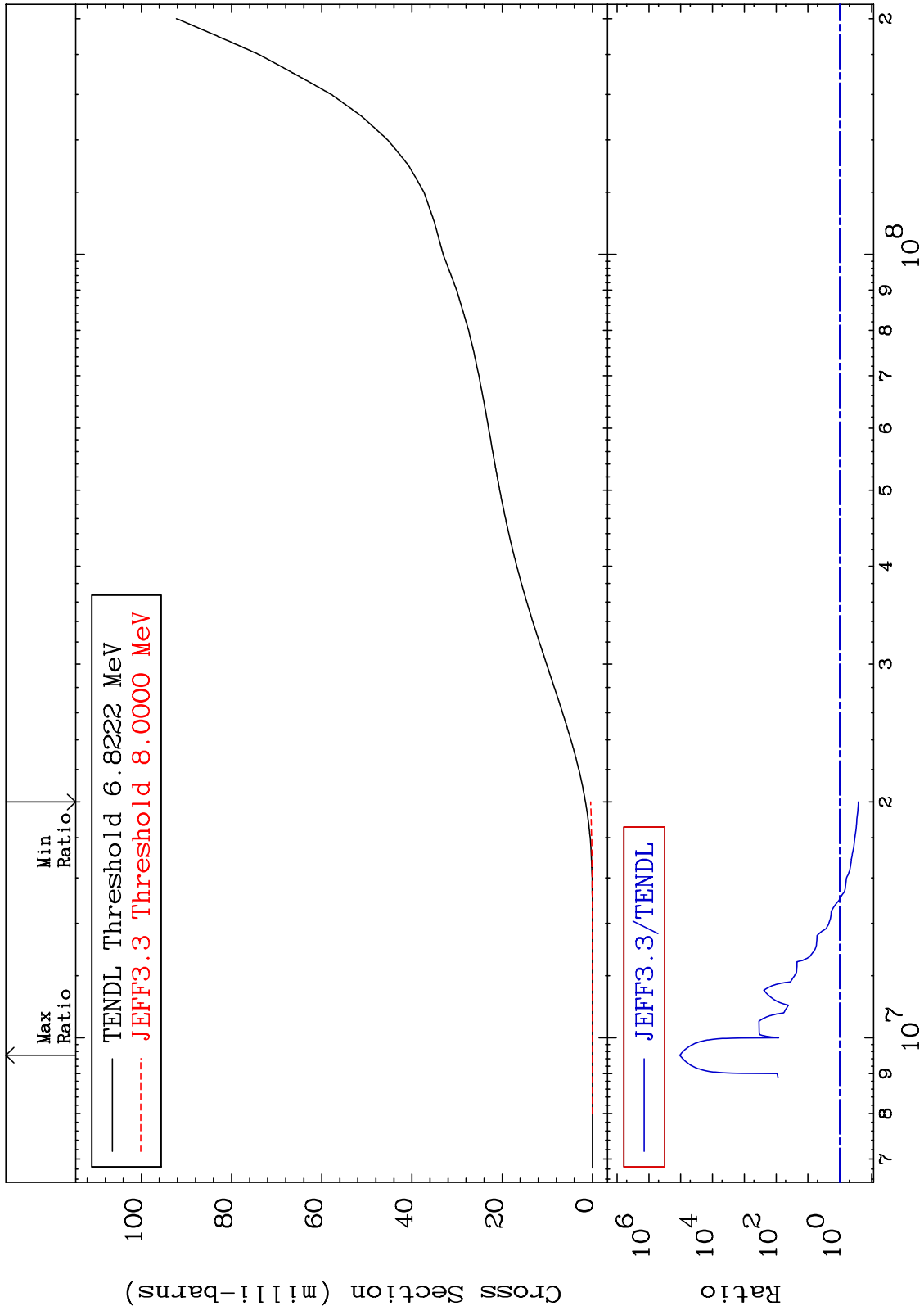
68-Er-164
-40.51 To 9999. %



MAT 6831

Tritium Production
Cross Section

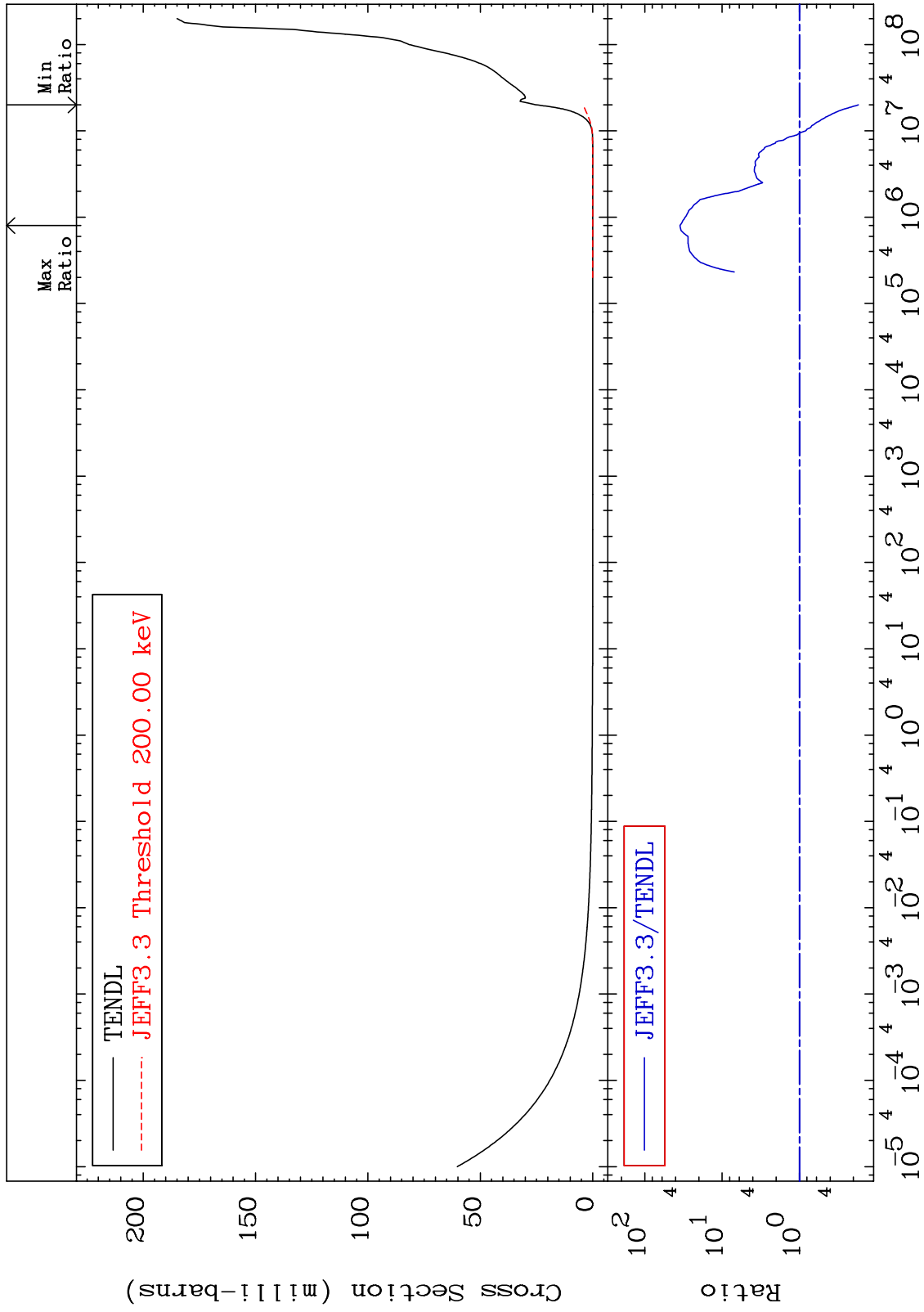
68-Er-164
-73.98 To 9999. %



MAT 6831

He-4 Production
Cross Section

68-Er-164
-82.76 To 3405. %



33

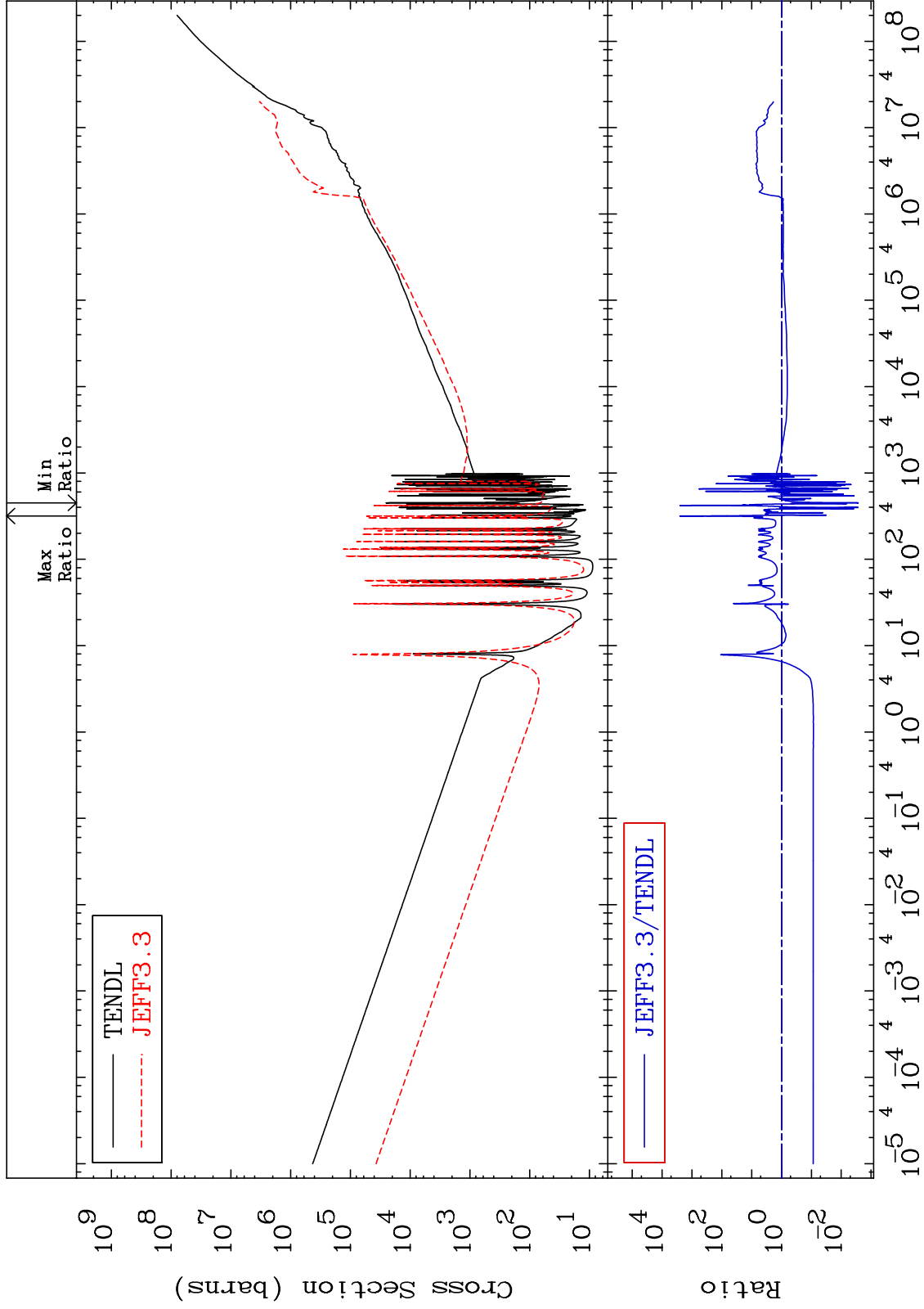
Incident Energy (eV)

68-Er-164

MAT 6831

Kerma total (eV-barns)
Cross Section

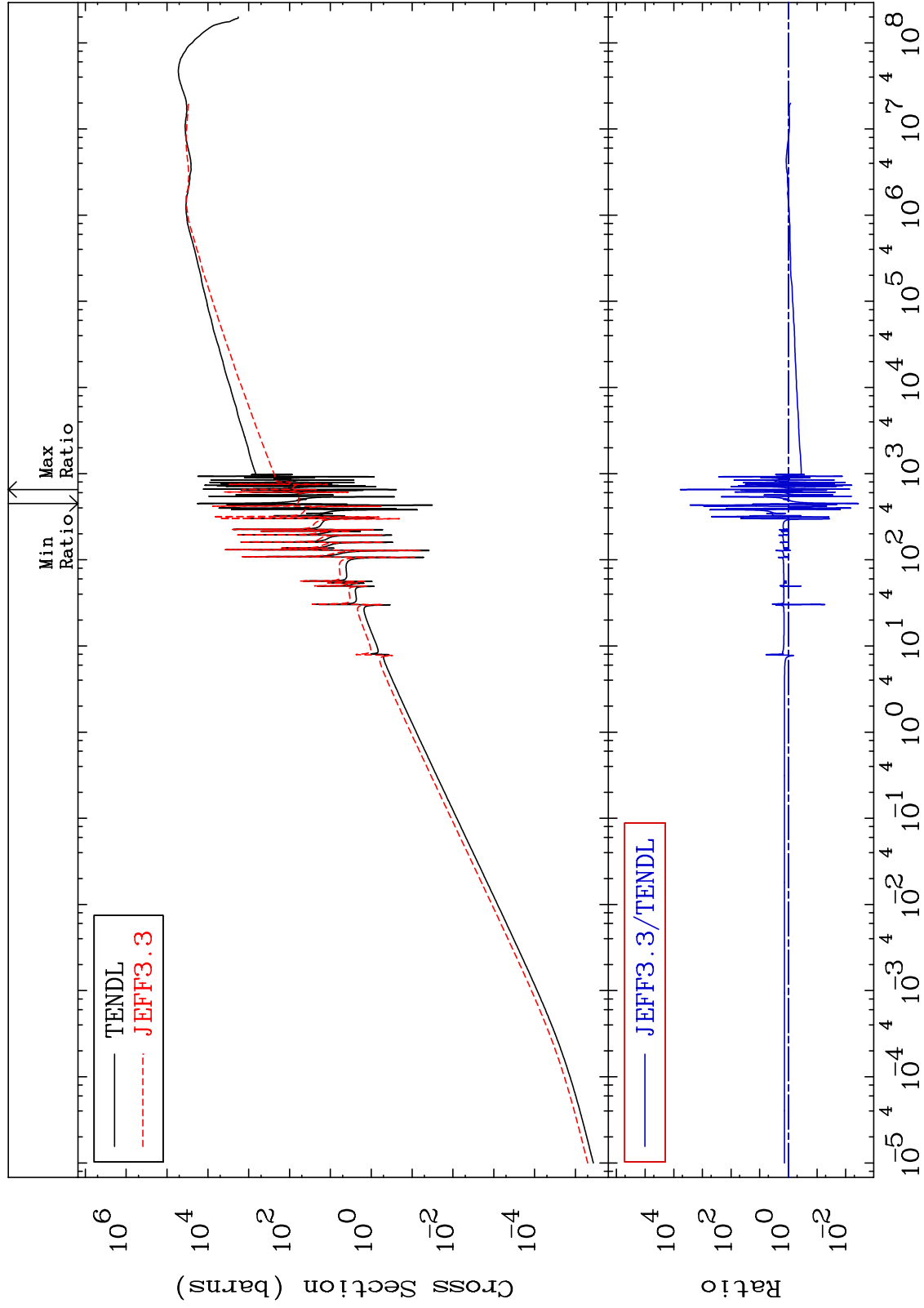
68-Er-164
-99.73 To 9999. %



MAT 6831

Kerma elastic
Cross Section

68-Er-164
-99.64 To 9999. %



35

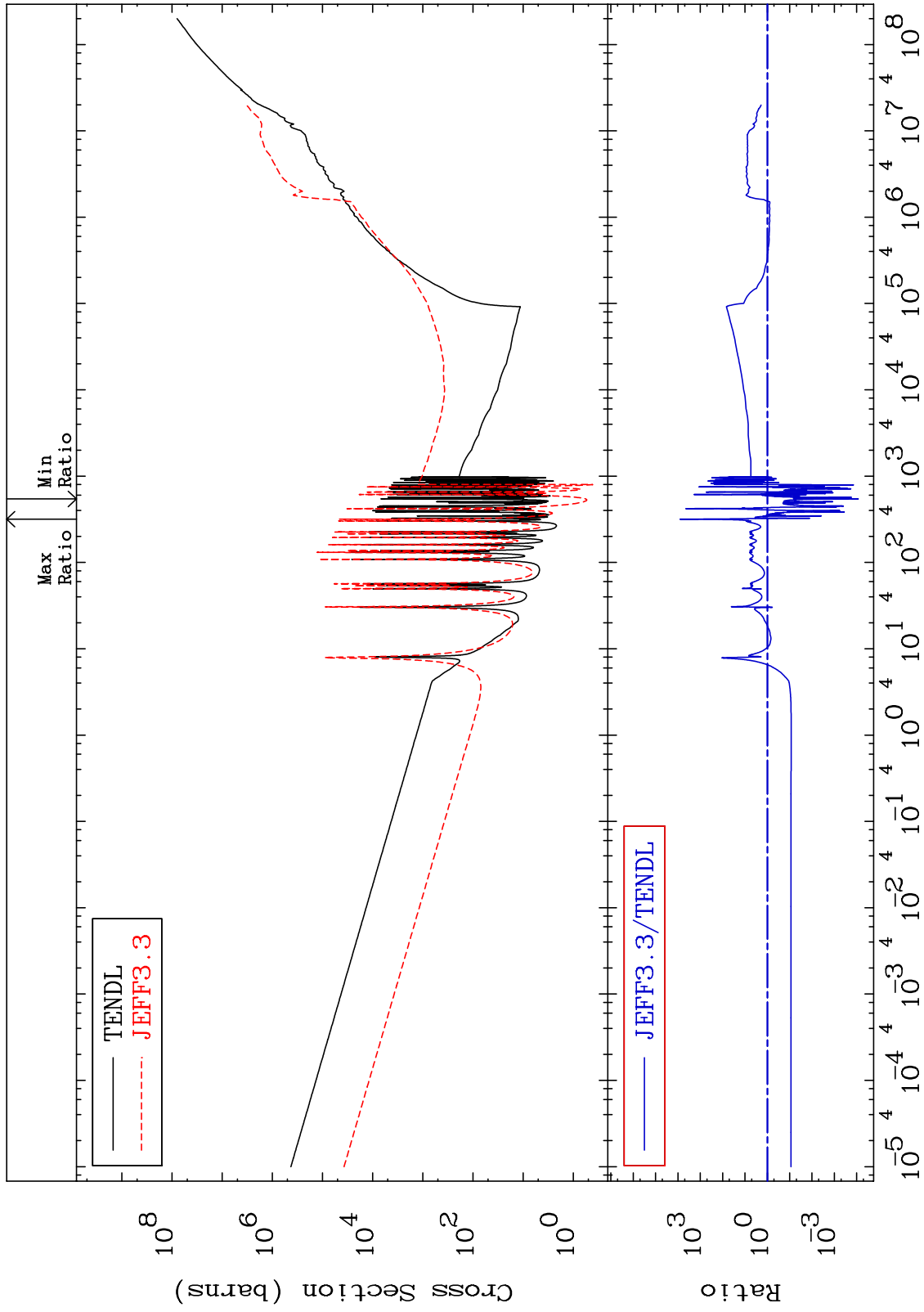
Incident Energy (eV)

68-Er-164

MAT 6831

Kerma non-elastic (all but mt2)
Cross Section

68-Er-164
-99.99 To 9999. %



36

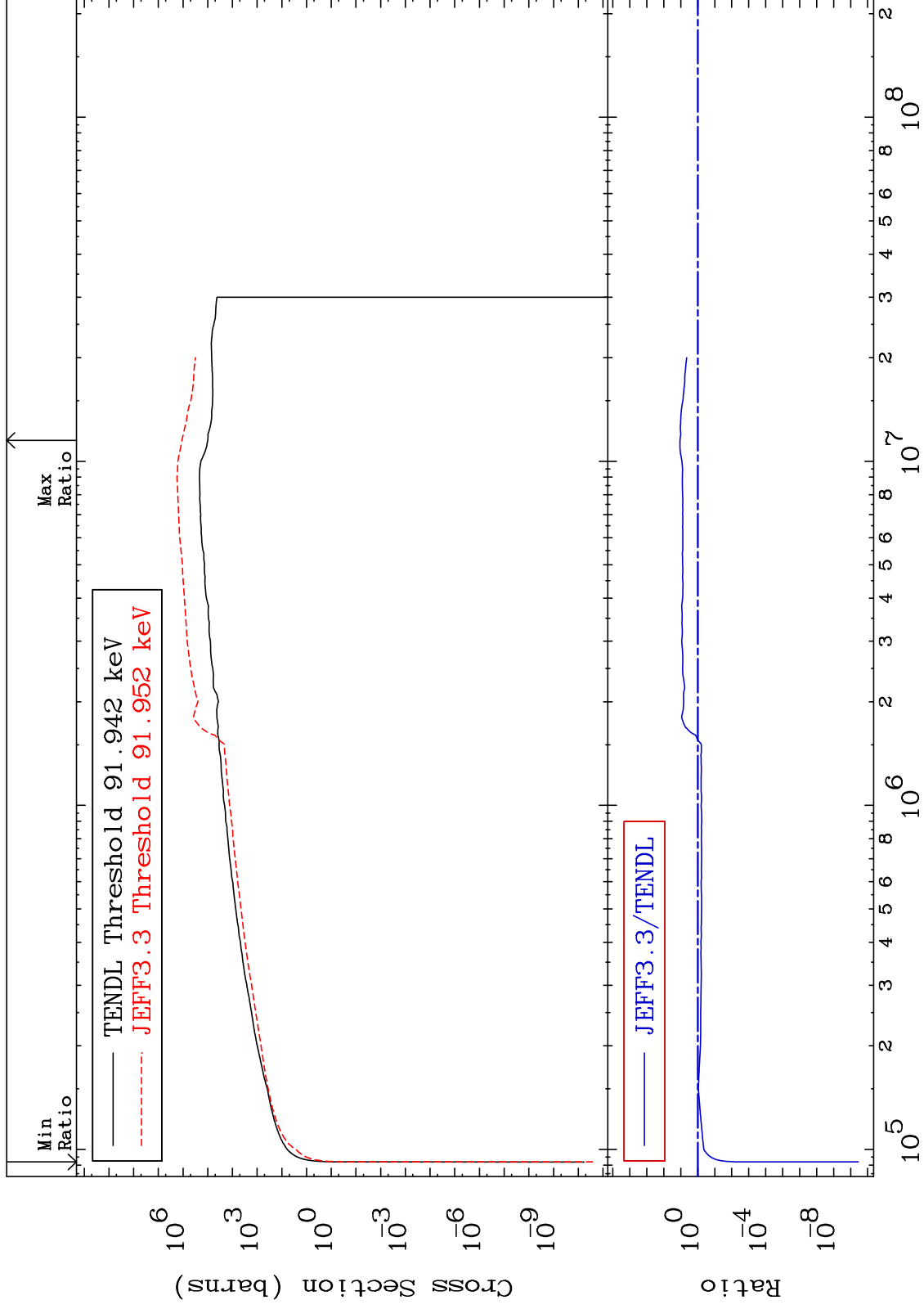
Incident Energy (eV)

68-Er-164

MAT 6831

Kerma inelastic (mt51-91)
Cross Section

68-Er-164
-100.0 To 1010. %



37

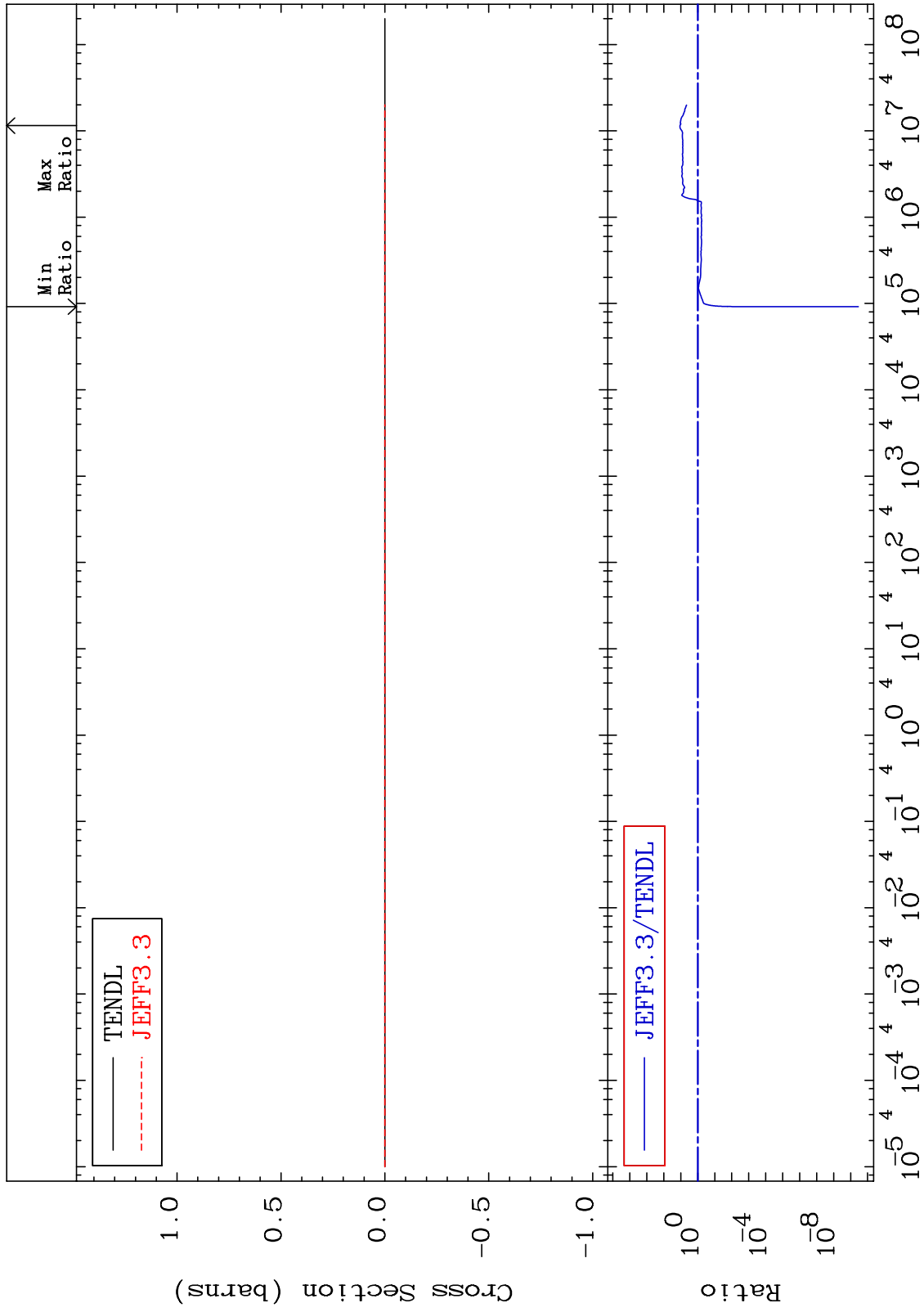
Incident Energy (eV)

68-Er-164

MAT 6831

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

68-Er-164
-100.0 To 1010. %



38

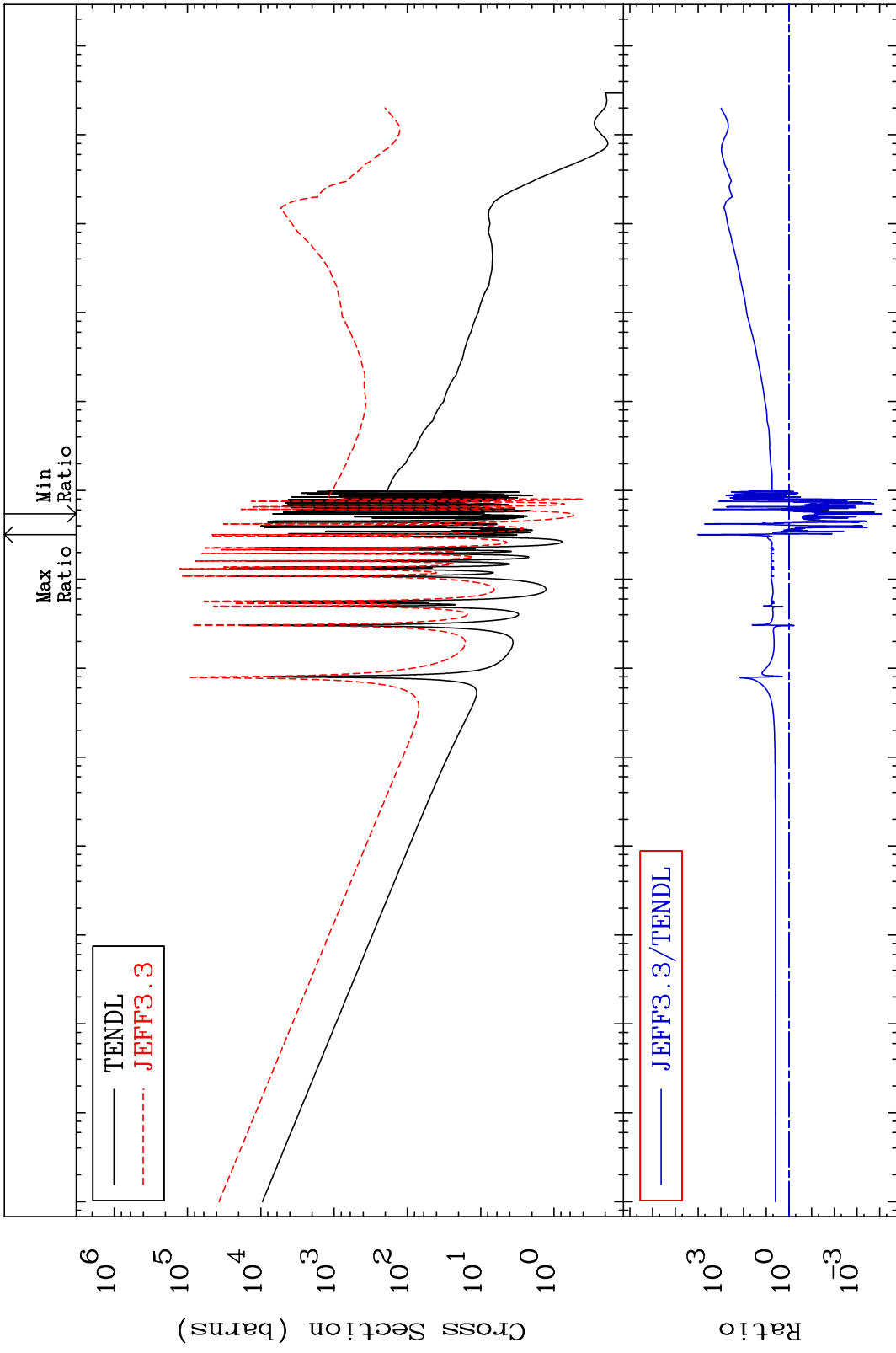
Incident Energy (eV)

68-Er-164

MAT 6831

Kerma capture (mt102)
Cross Section

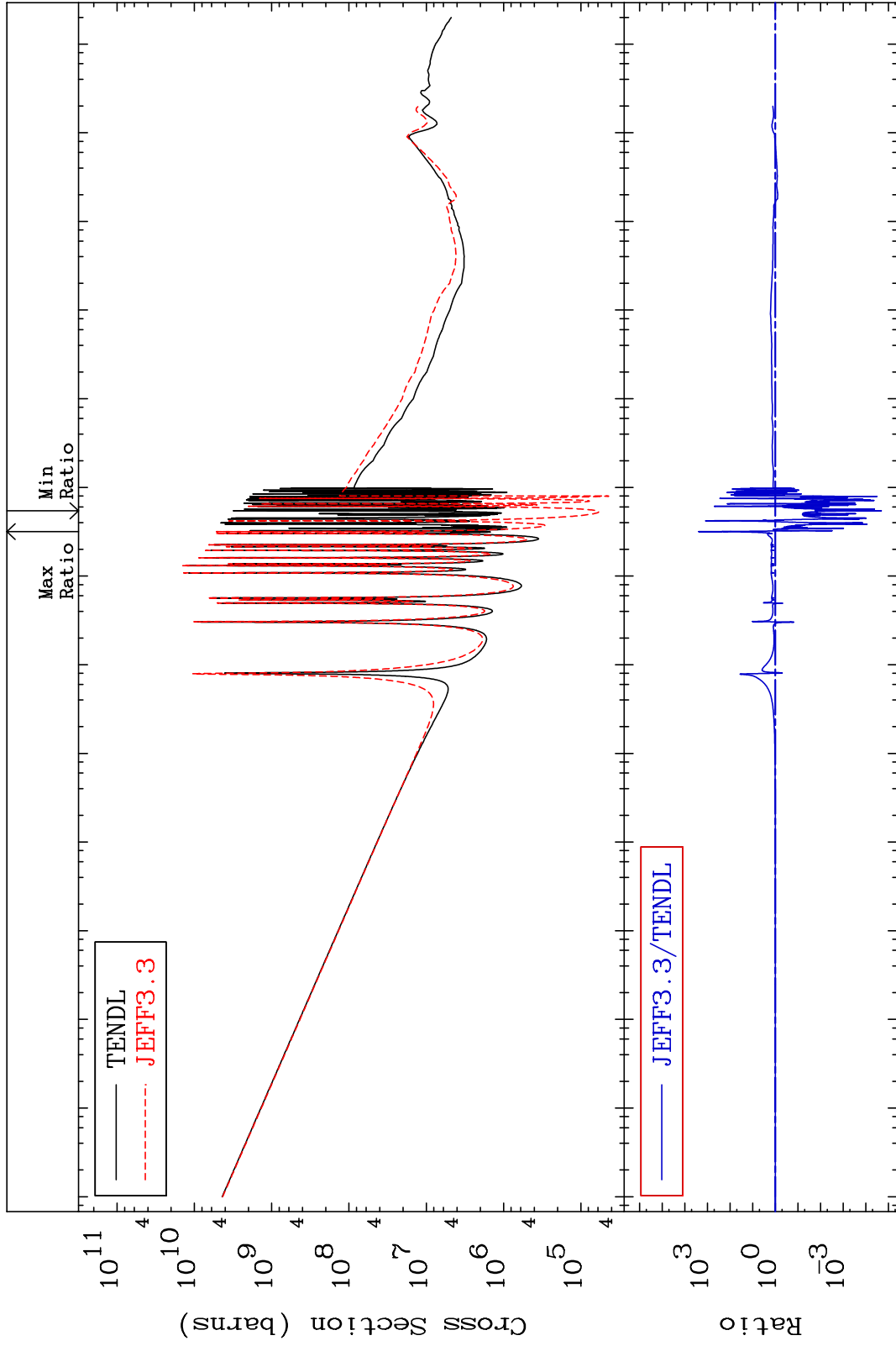
68-Er-164
-99.99 To 9999. %



MAT 6831

Total photon (eV-barns)
Cross Section

68-Er-164
-100.0 To 9999. %



40

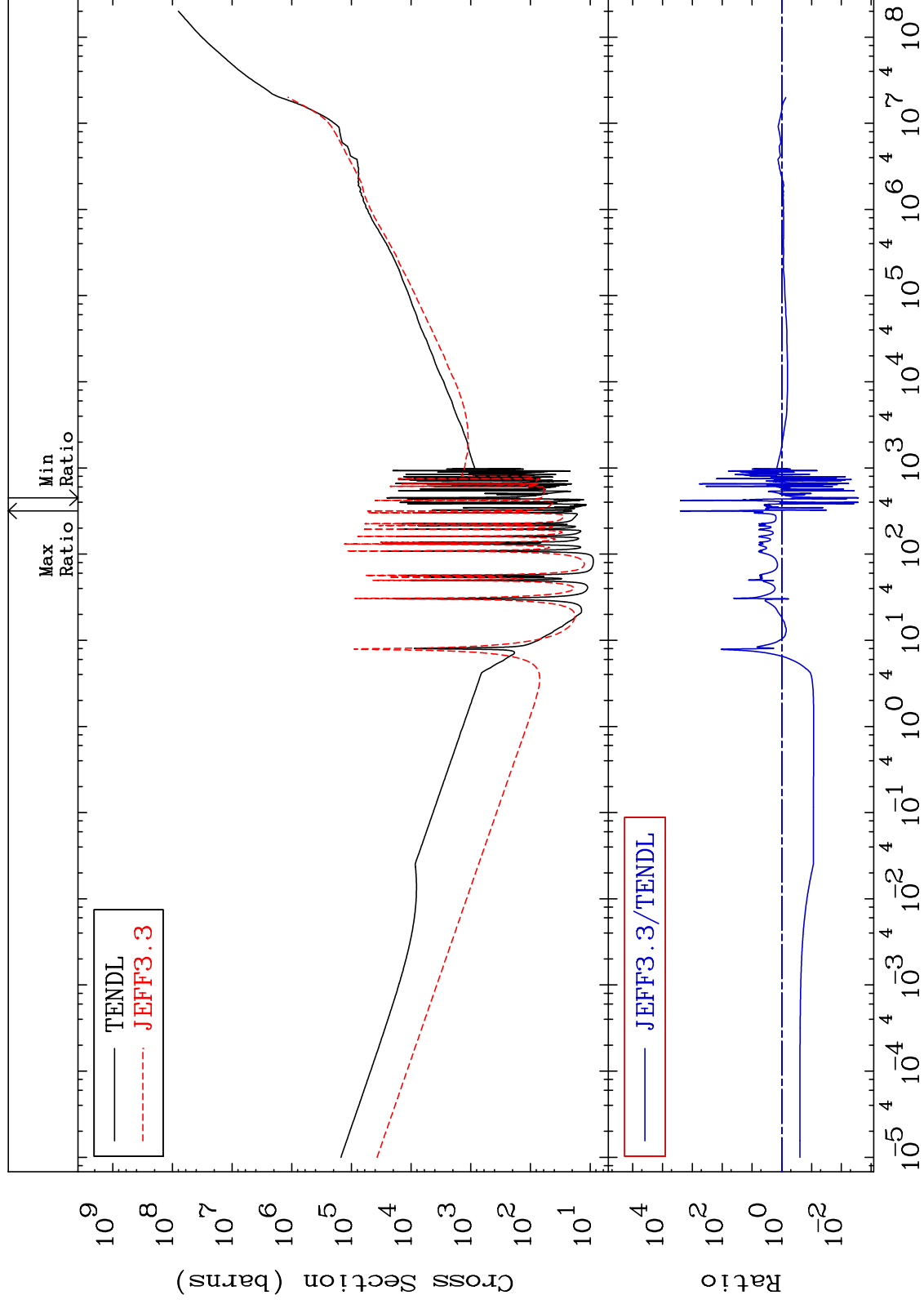
Incident Energy (eV)

68-Er-164

MAT 6831

Total kinematic kerma (high limit)
Cross Section

68-Er-164
-99.73 To 9999. %



41

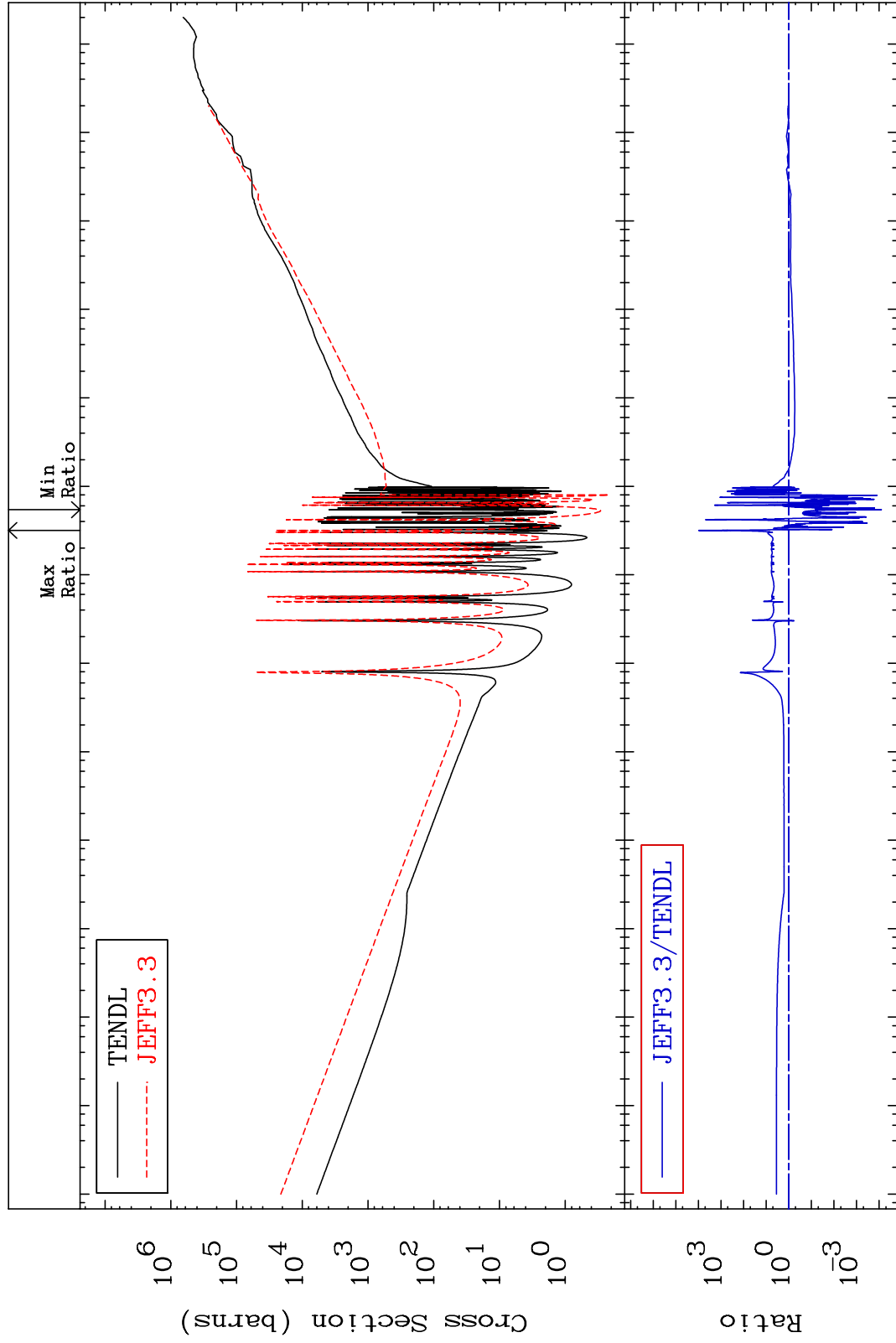
Incident Energy (eV)

68-Er-164

MAT 6831

Dpa total (eV-barns)
Cross Section

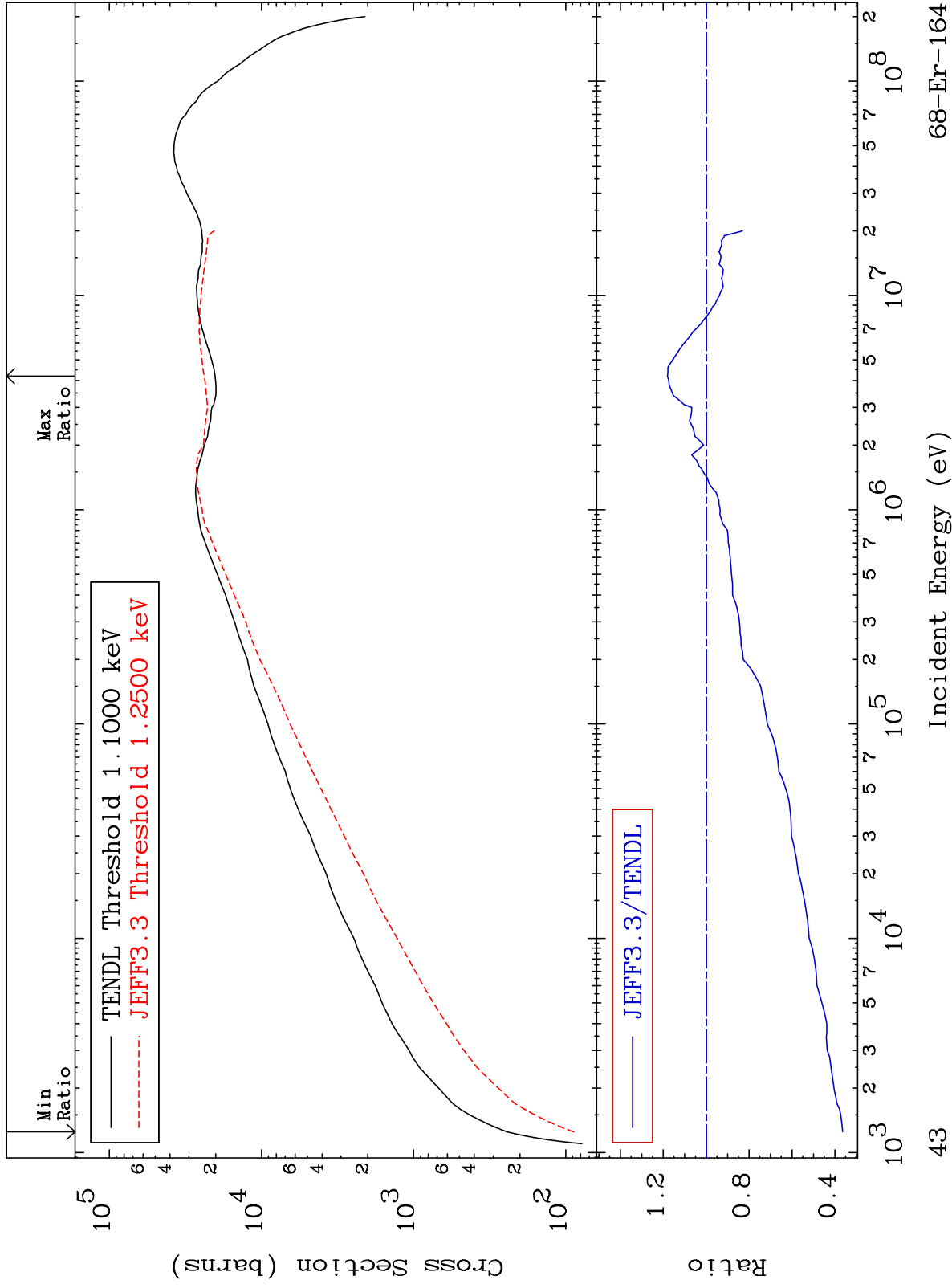
68-Er-164
-99.99 To 9999. %



MAT 6831

Dpa elastic (mt2)
Cross Section

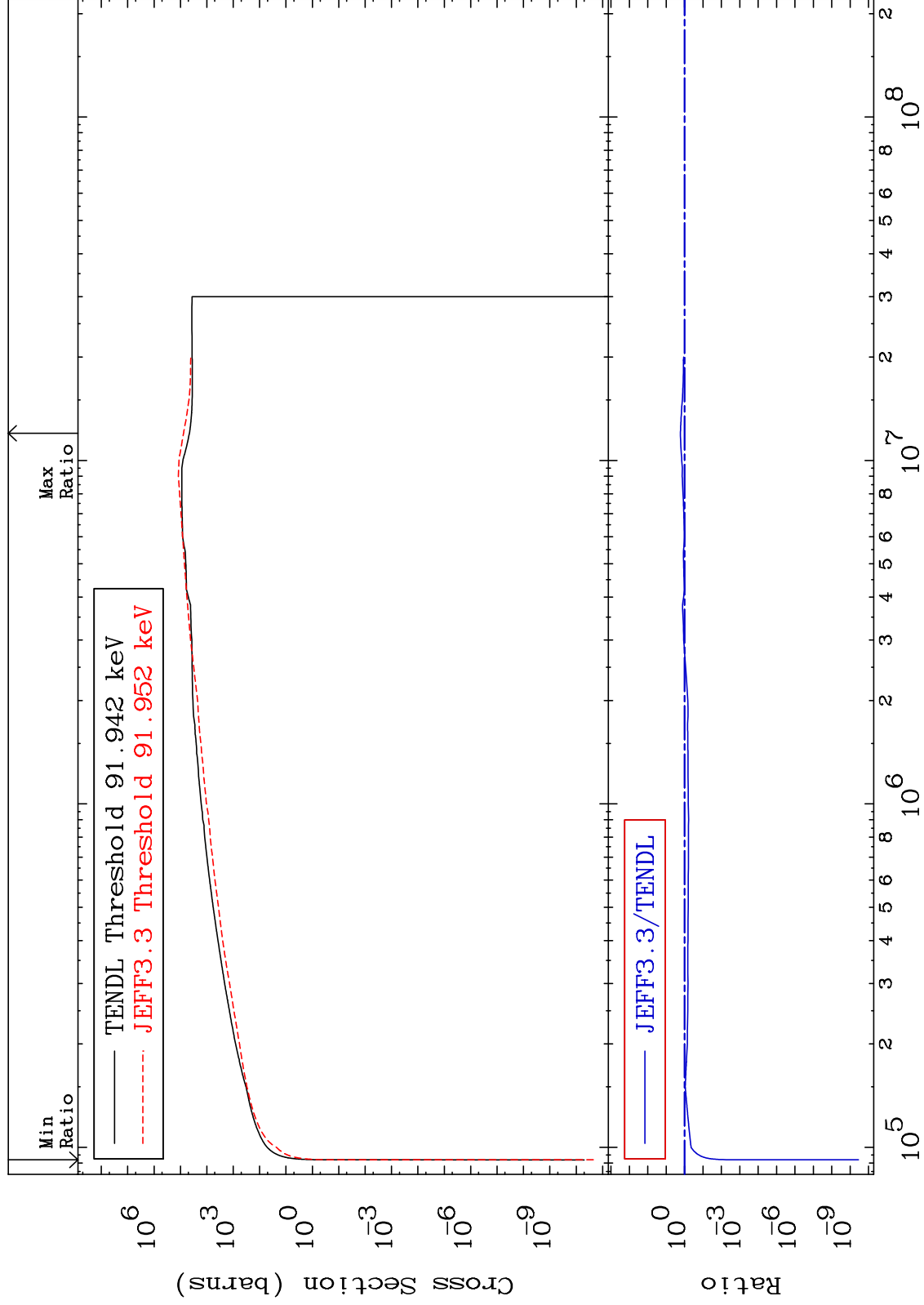
68-Er-164
-63.61 To 17.99 %



MAT 6831

Dpa inelastic (mt51-91)
Cross Section

68-Er-164
-100.0 To 67.00 %



44

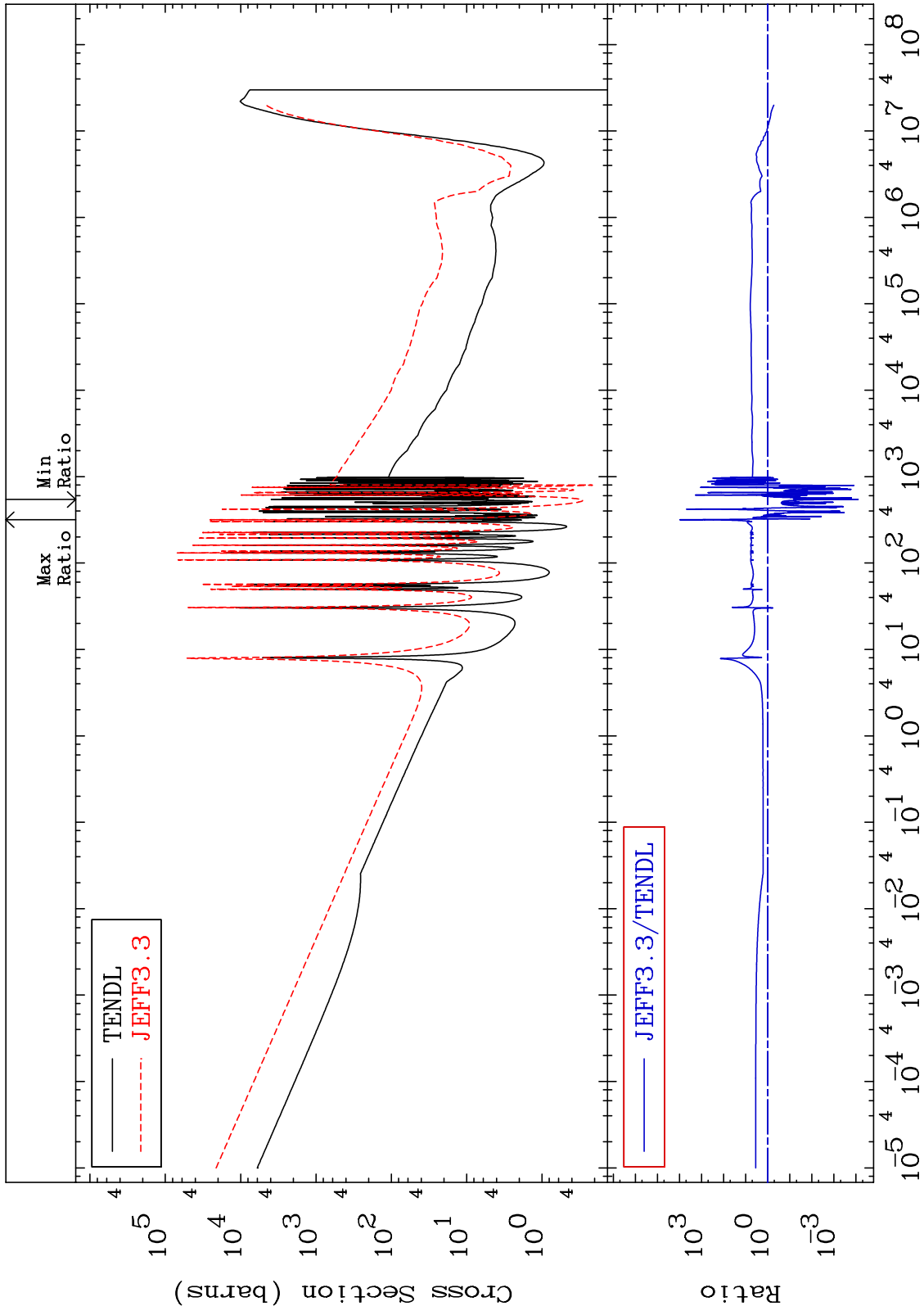
Incident Energy (eV)

68-Er-164

MAT 6831

Dpa disappearance (mt102 -120)
Cross Section

68-Er-164
-99.99 To 9999. %



45

Incident Energy (eV)

68-Er-164