

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

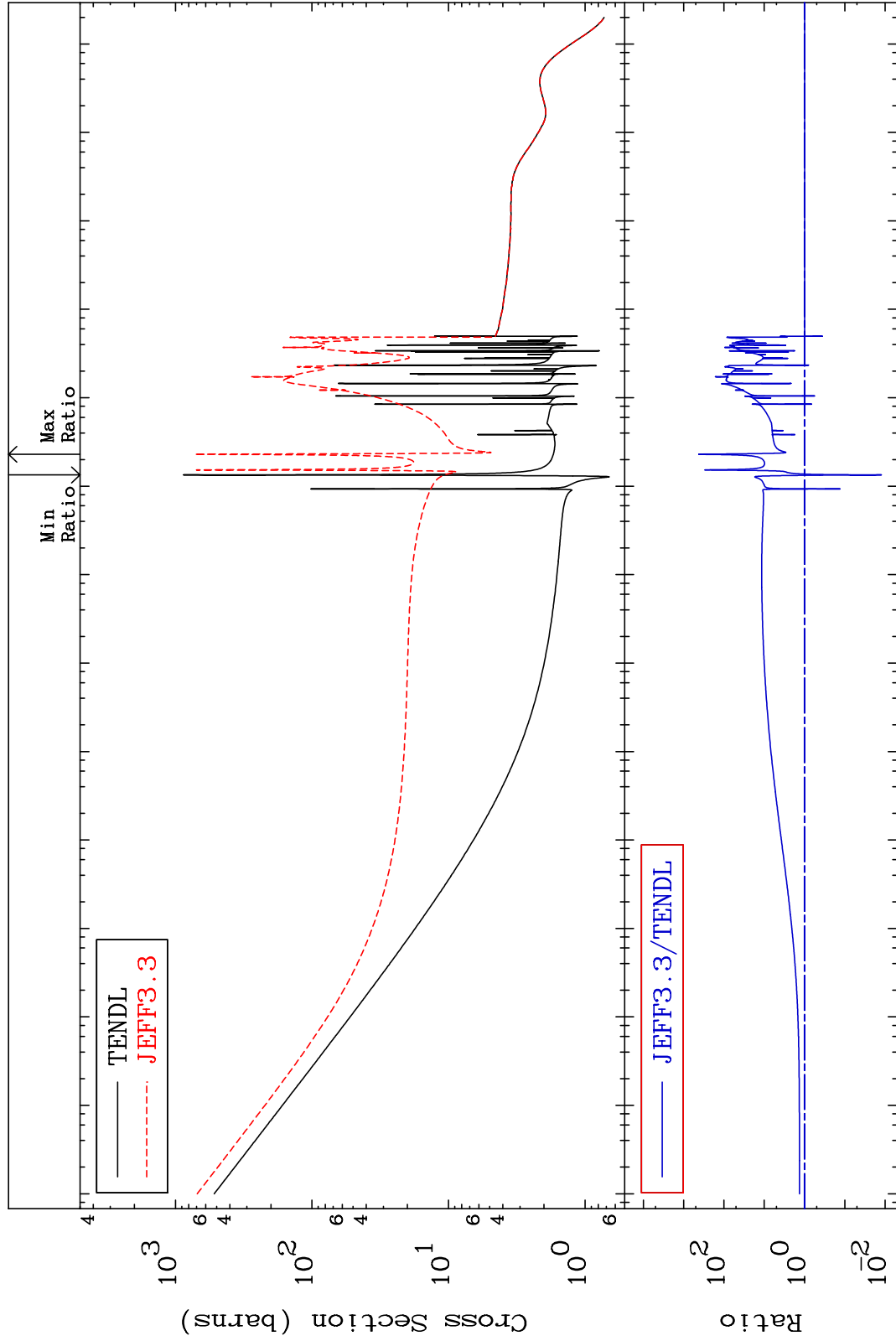
MAT 1728

Total

17-Cl-36

-98.78 To 9999. %

Cross Section



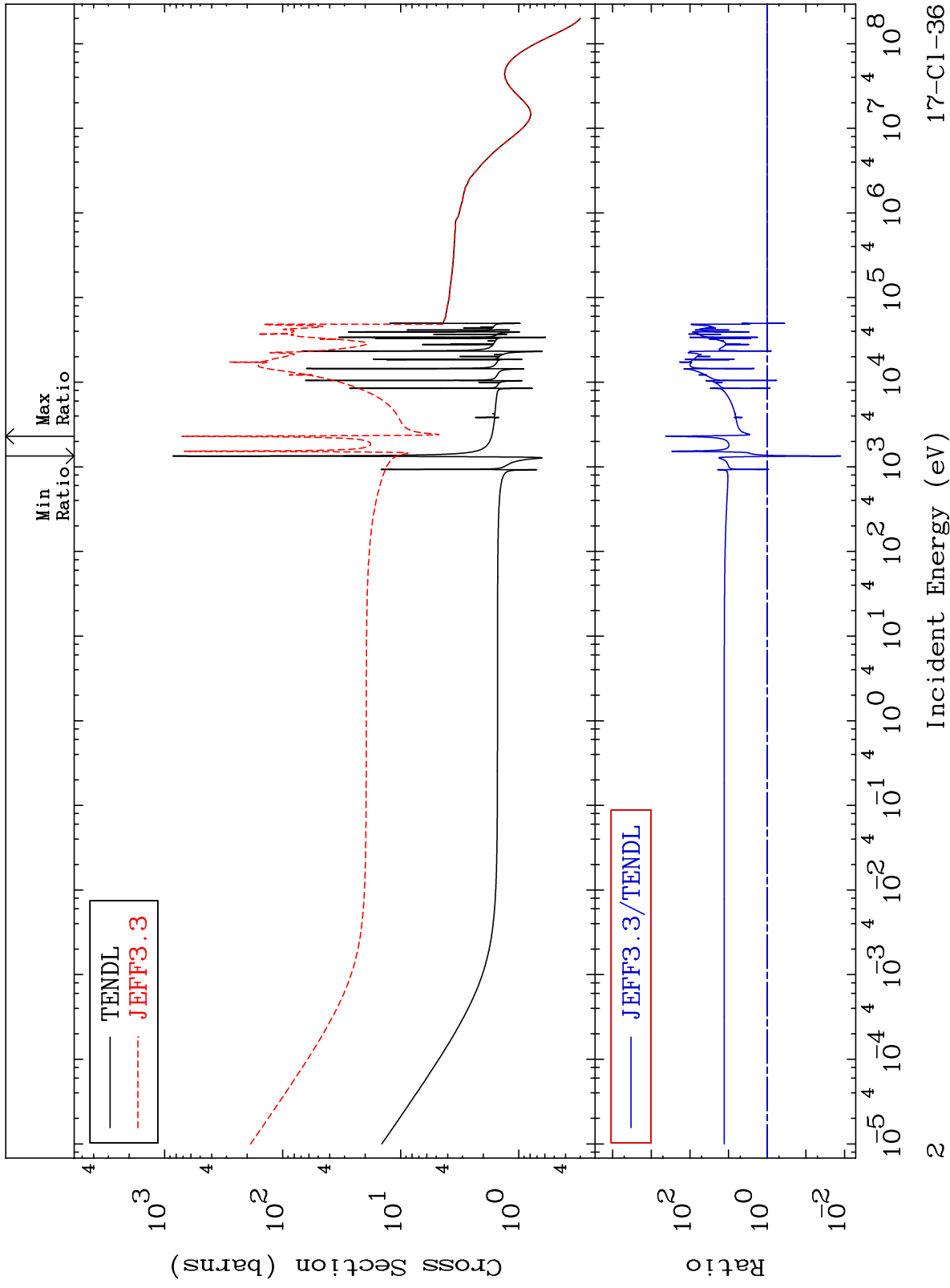
Incident Energy (eV)

17-Cl-36

MAT 1728

Elastic
Cross Section

17-Cl-36
-98.75 To 9999. %



17-Cl-36

Incident Energy (eV)

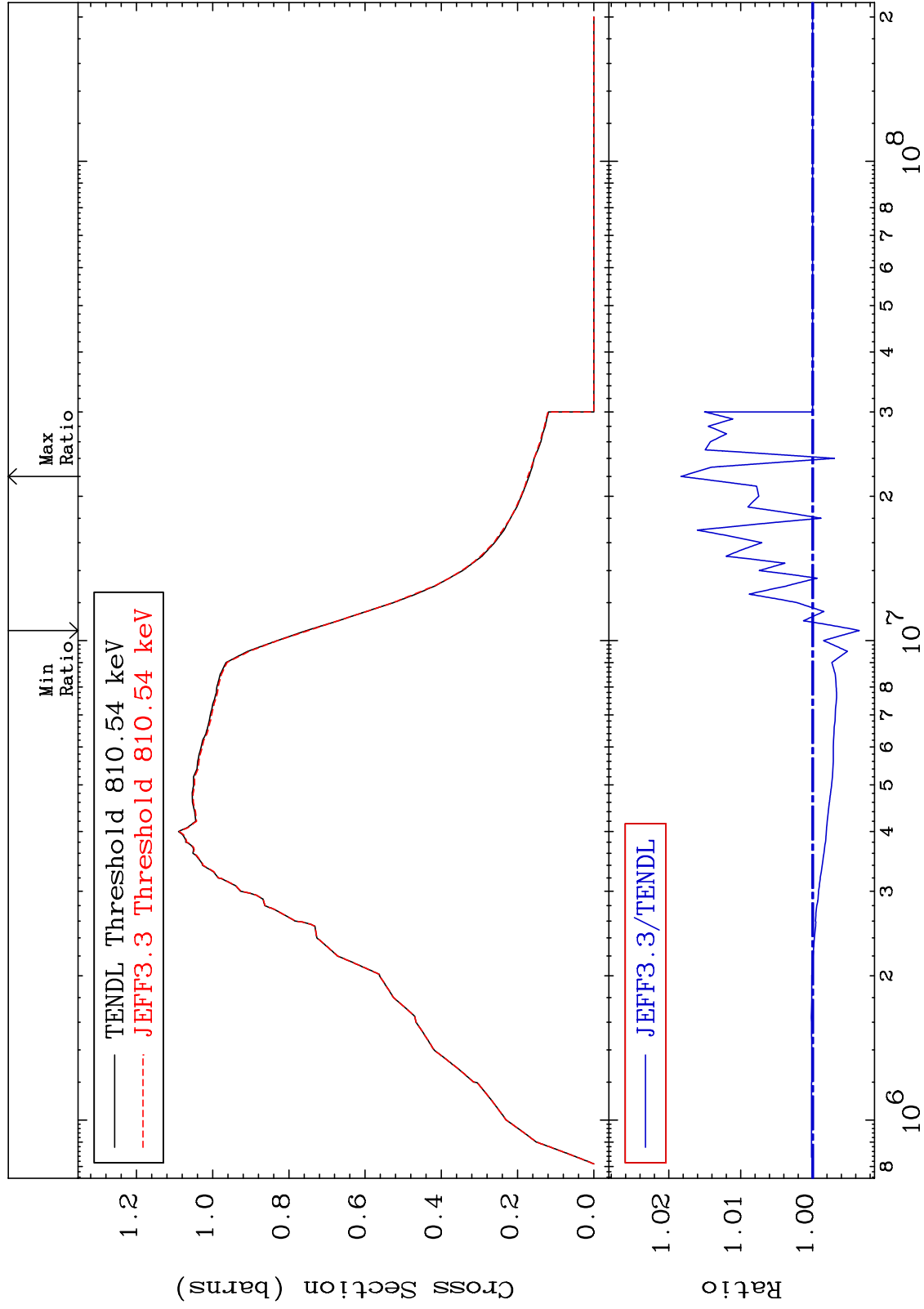
2

MAT 1728

Inelastic
Cross Section

17-Cl-36

-0.648 To 1.829 %

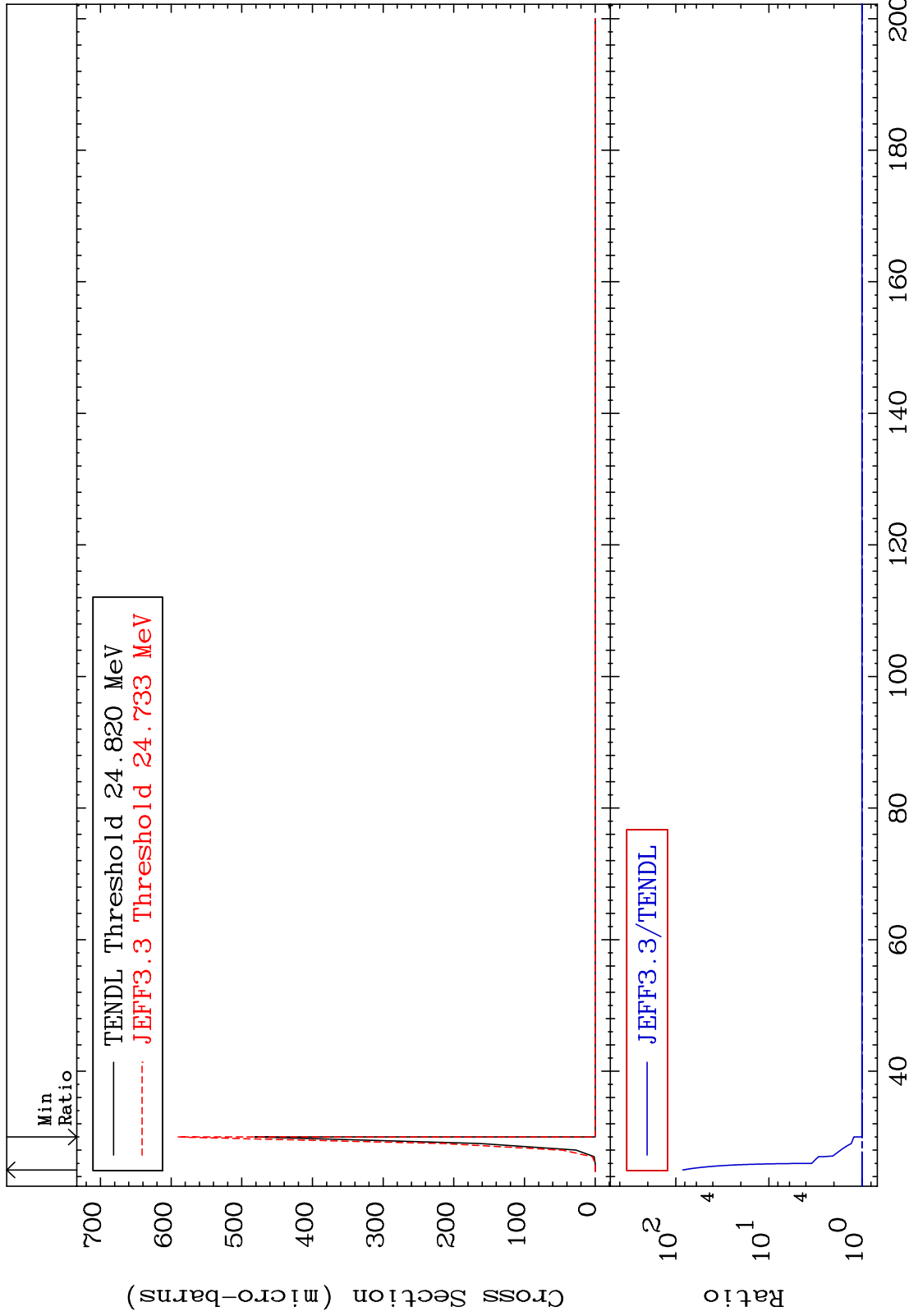


3

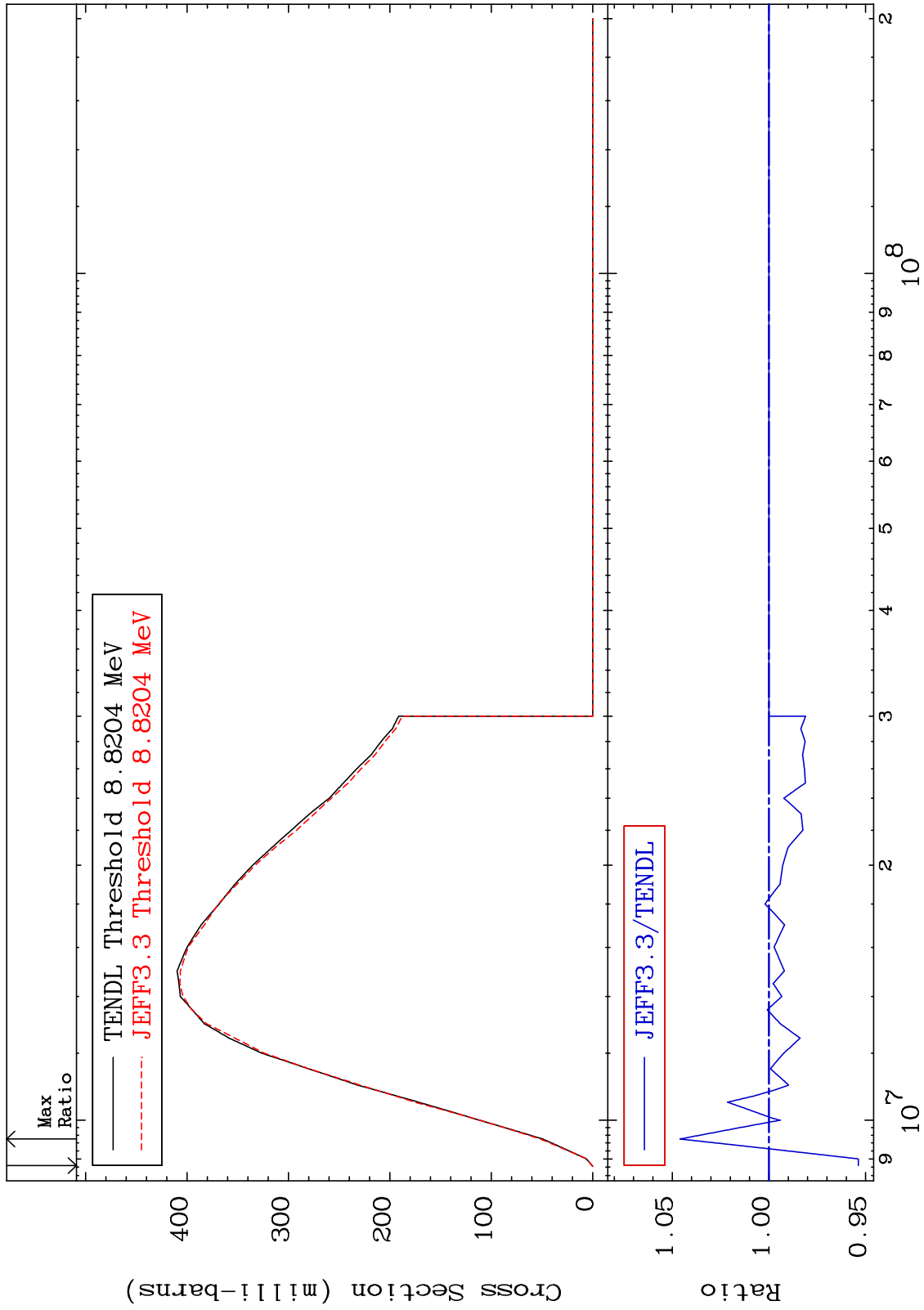
Incident Energy (eV)

17-Cl-36

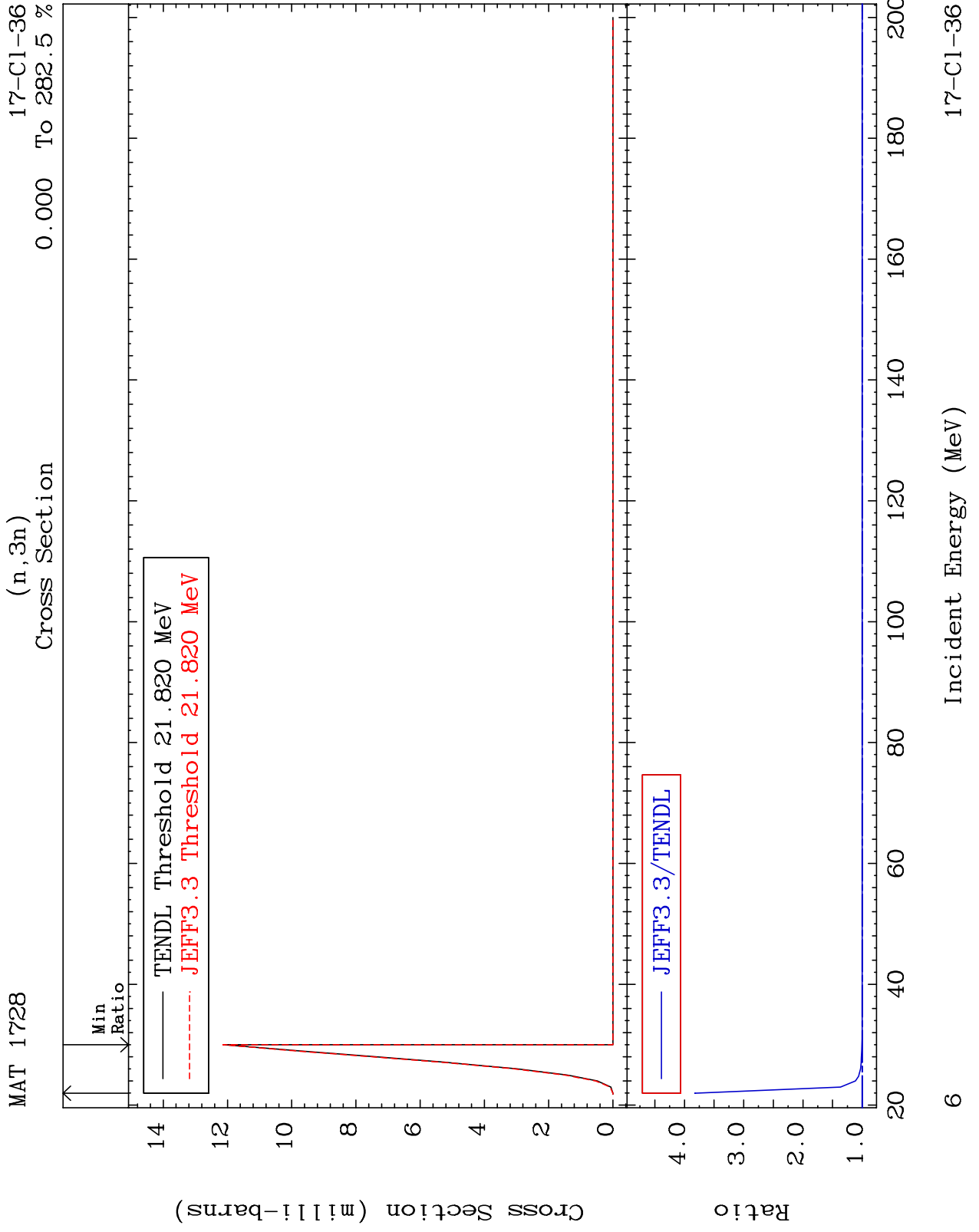
MAT 1728 (n,2n) d 17-Cl-36
Cross Section 0.000 To 8301. %



MAT 1728 (n,2n) 17-Cl-36
Cross Section -4.627 To 4.598 %



5 Incident Energy (eV) 17-Cl-36



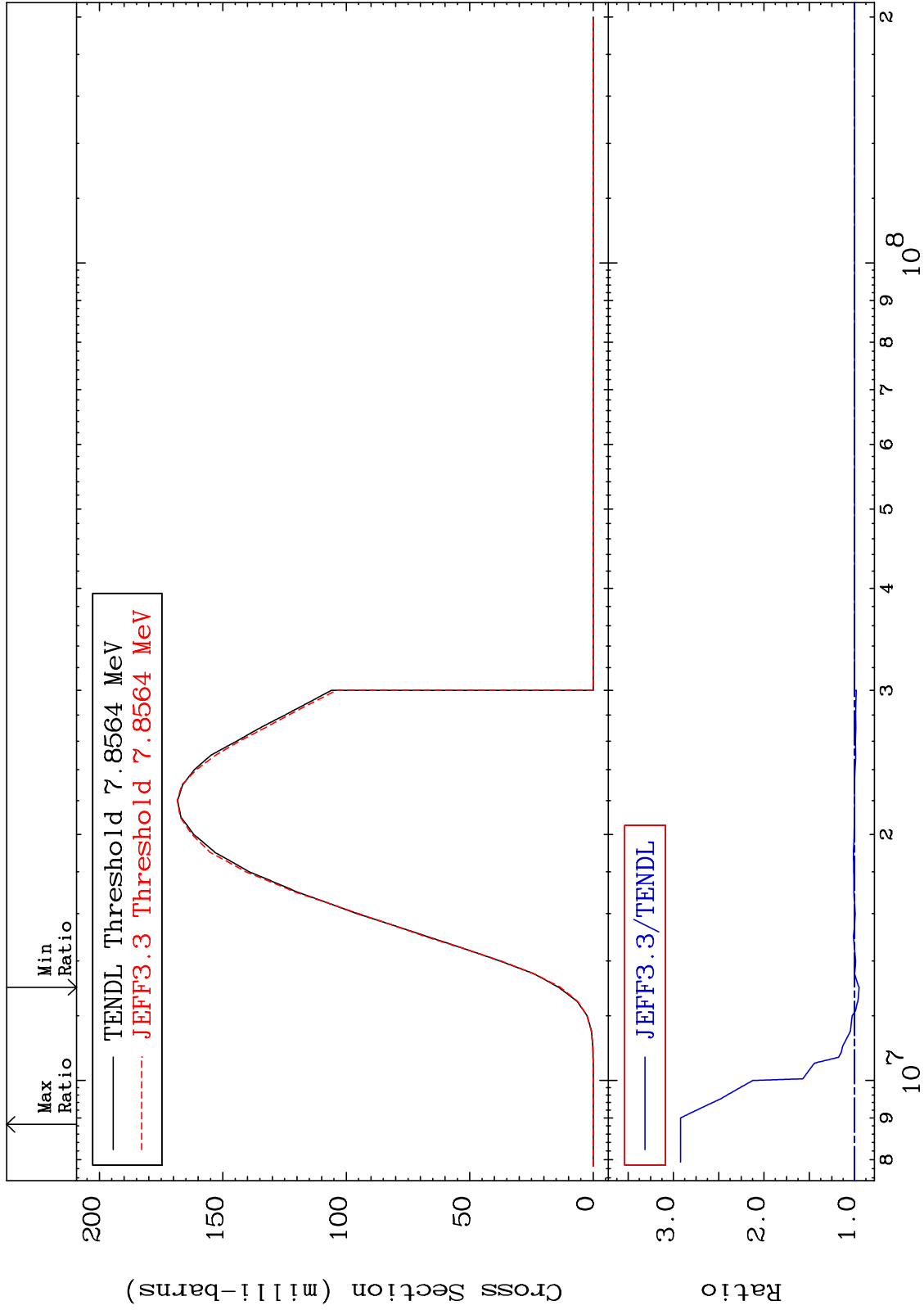
MAT 1728

(n, n') α

17-Cl-36

Cross Section

-5.052 To 192.0 %



Incident Energy (eV)

17-Cl-36

7

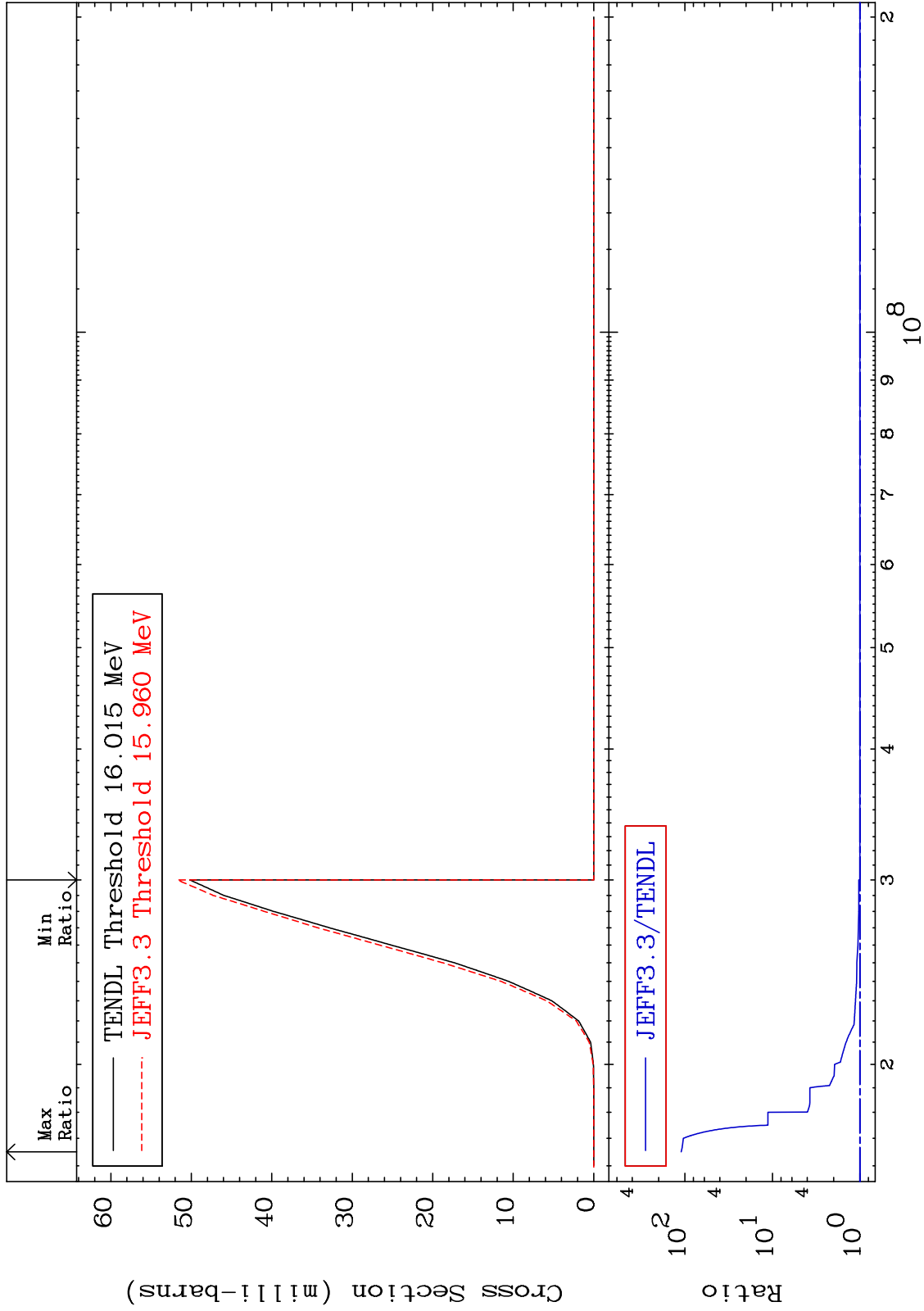
MAT 1728

(n,2n) α

17-Cl-36

Cross Section

0.000 To 9999. %



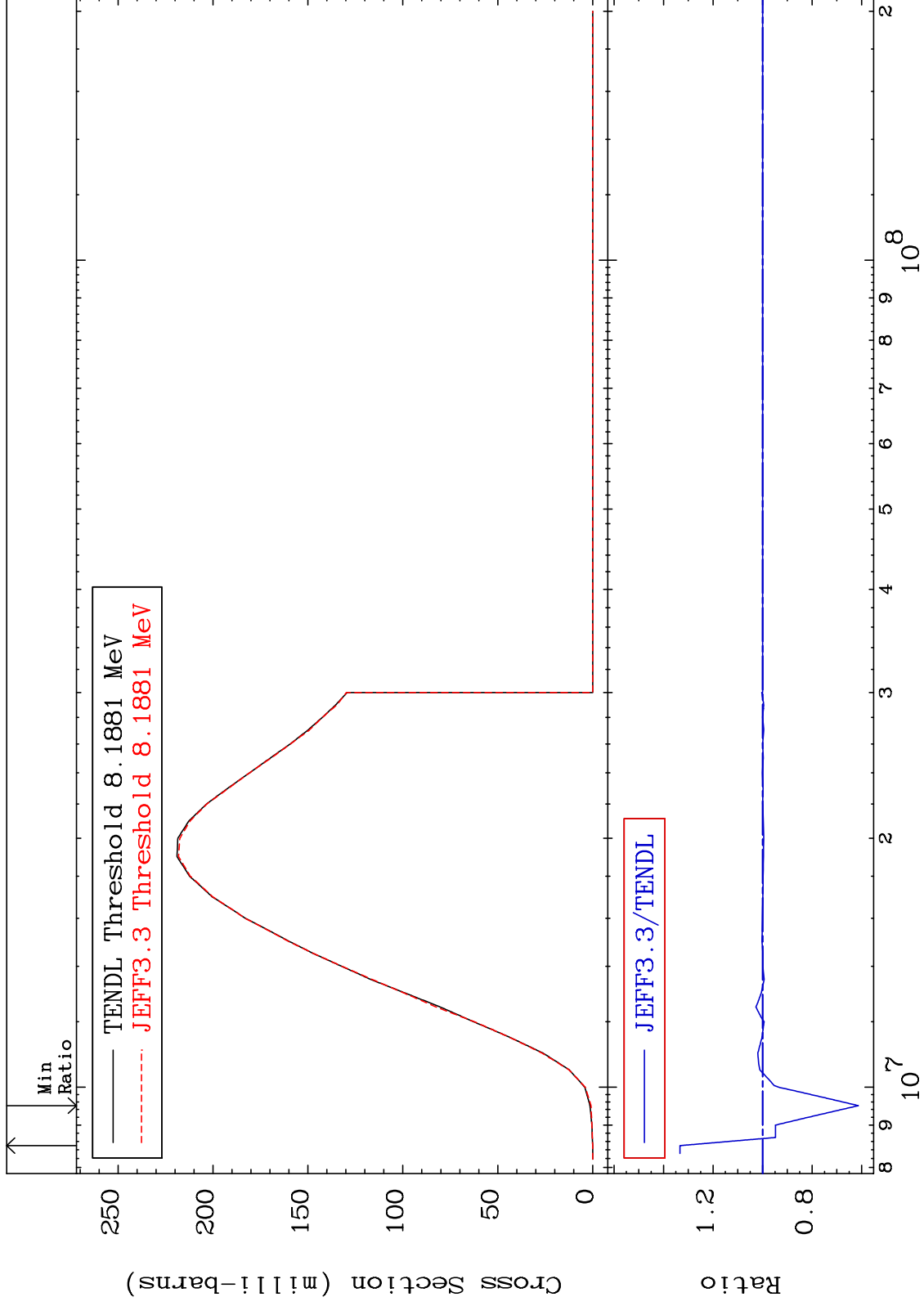
MAT 1728

(n,n') p

17-Cl-36

Cross Section

-38.71 To 33.34 %



17-Cl-36

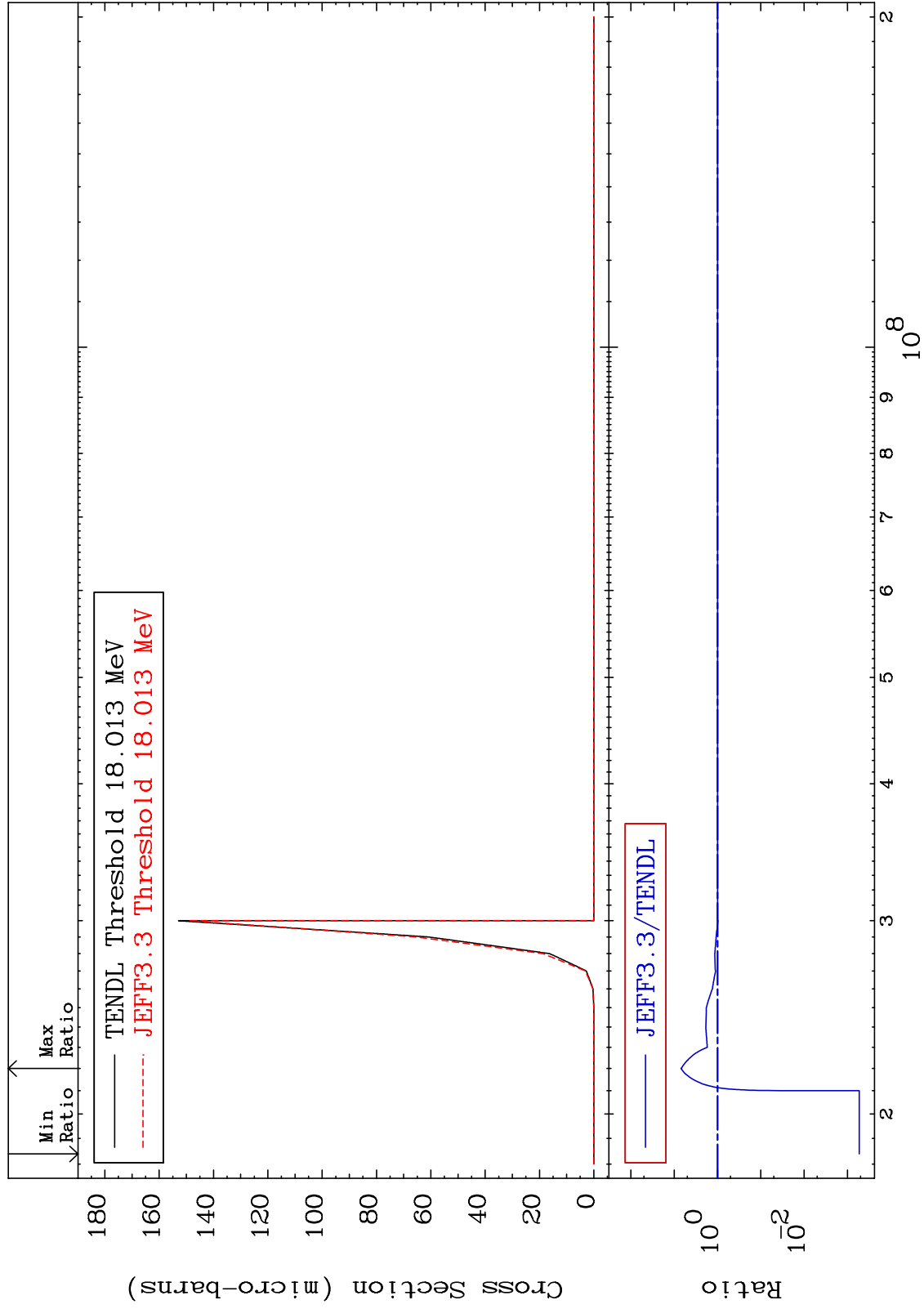
Incident Energy (eV)

9

MAT 1728

(n, n') 2α
Cross Section

17-Cl-36
-99.95 To 594.1 %



10

Incident Energy (eV)

17-Cl-36

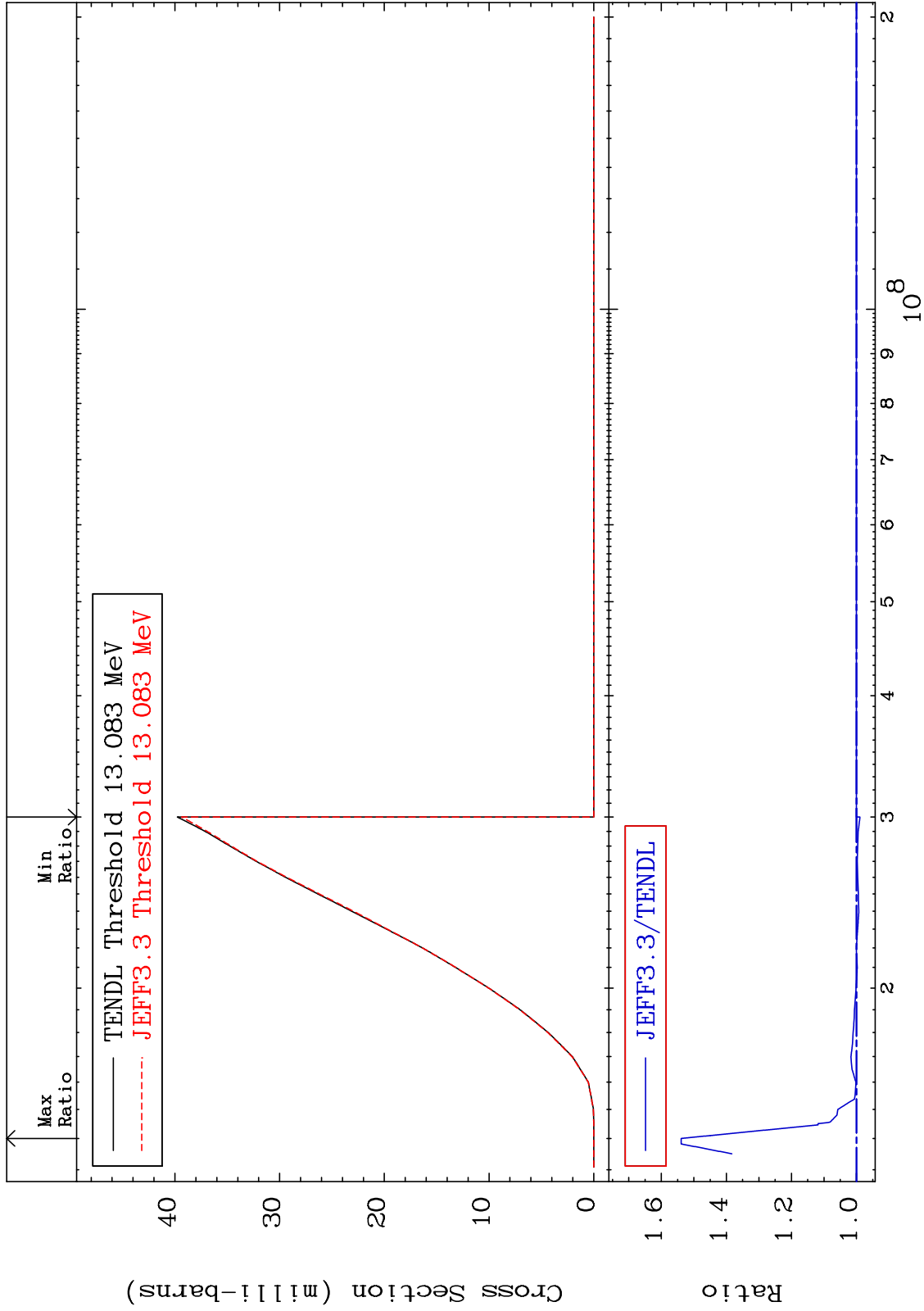
MAT 1728

(n, n') d

17-Cl-36

Cross Section

-1.059 To 53.88 %



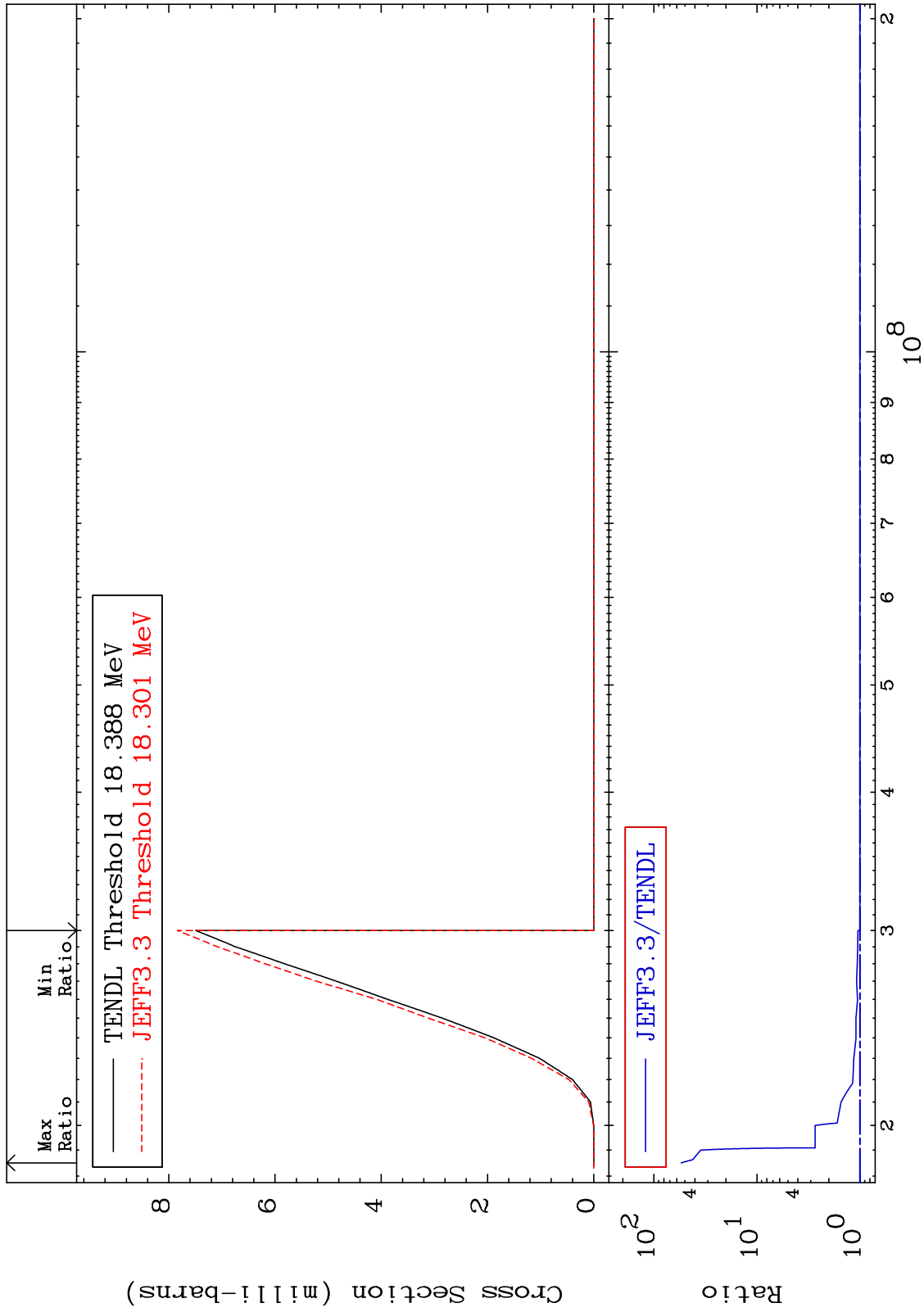
MAT 1728

(n,n') t

17-Cl-36

Cross Section

0.000 To 5328. %



12

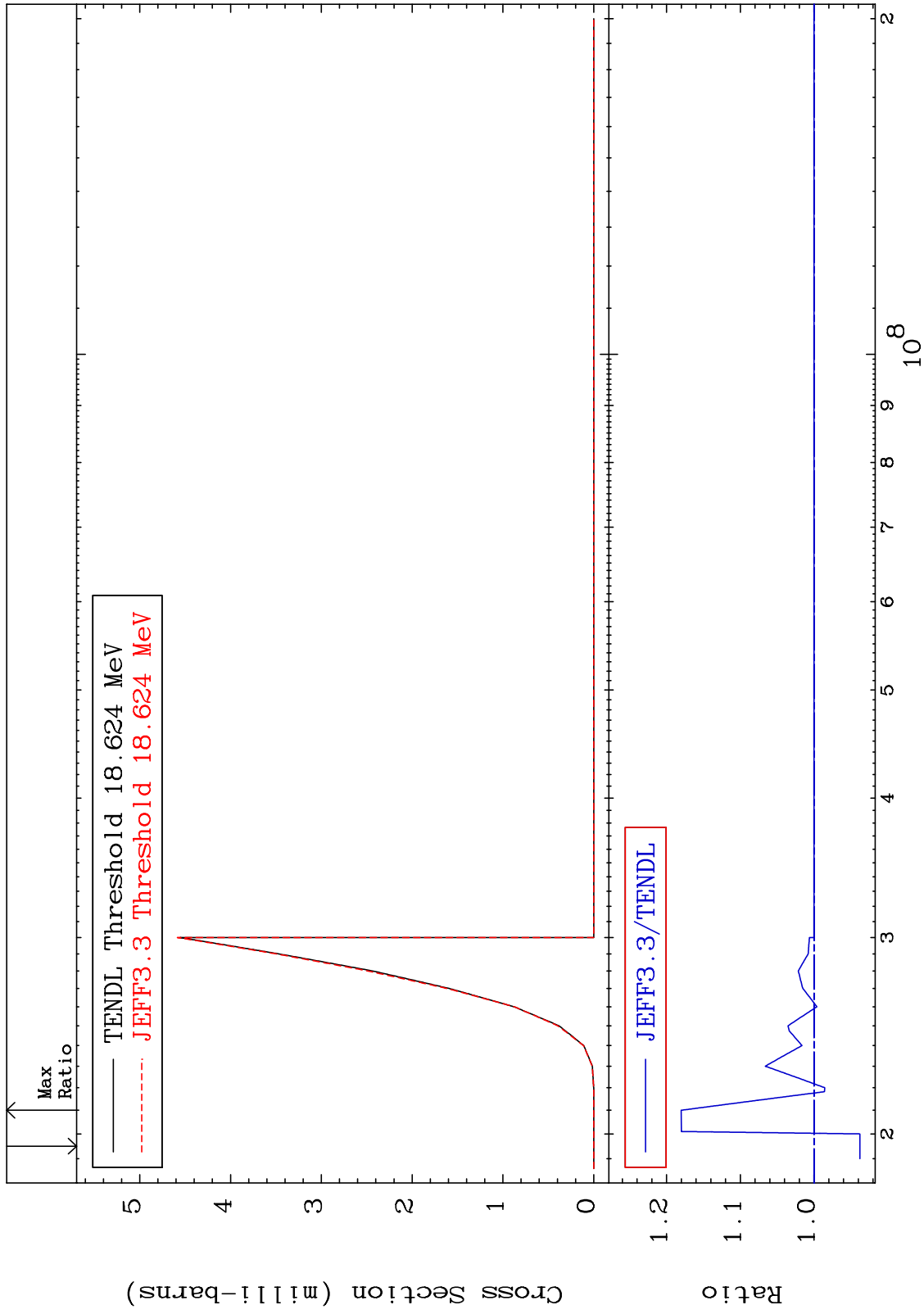
Incident Energy (eV)

17-Cl-36

MAT 1728

(n, n') He-3
Cross Section

17-Cl-36
-6.217 To 18.02 %



MAT 1728

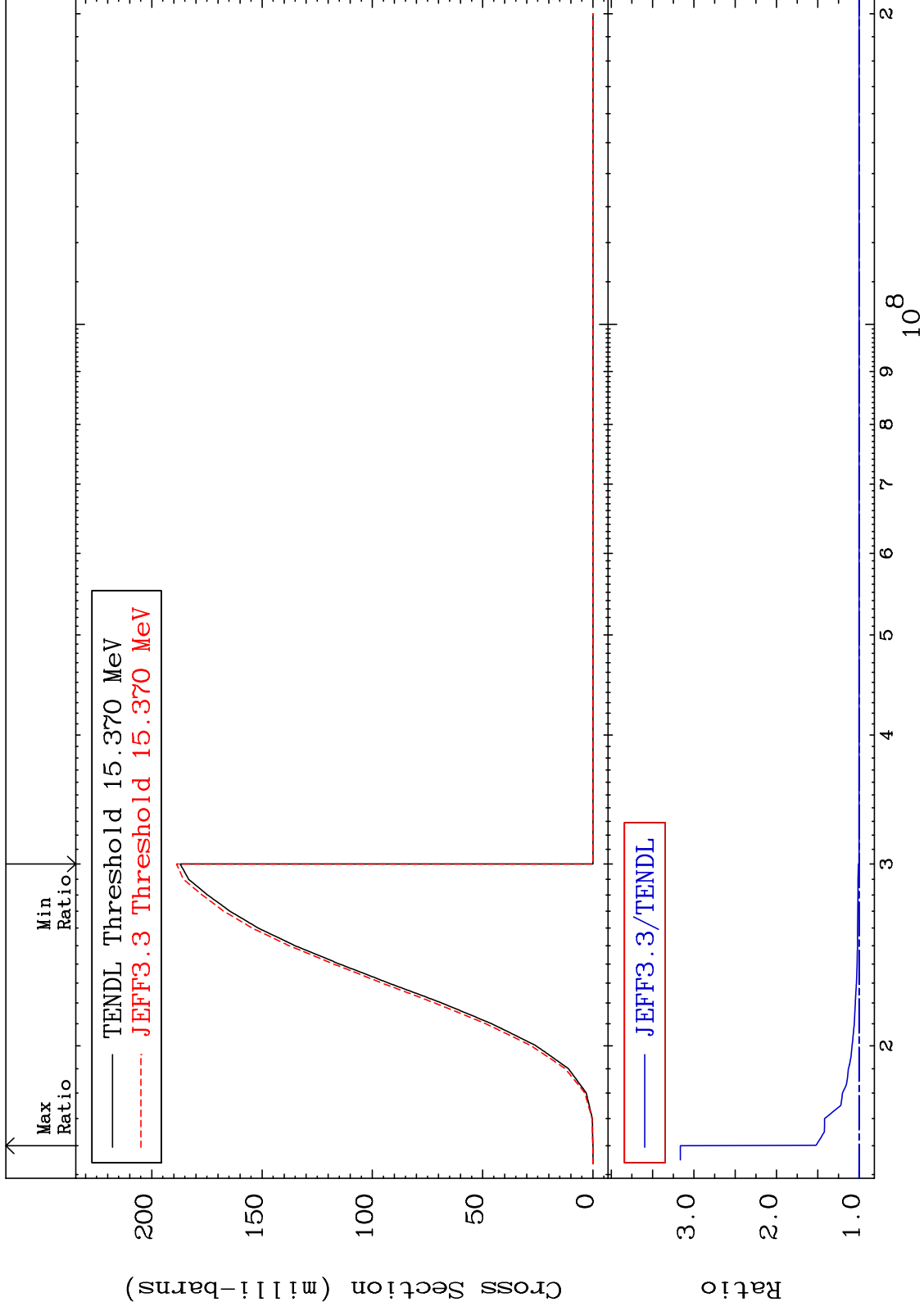
(n,2n) p

17-Cl-36

Cross Section

0.000

To 216.3 %



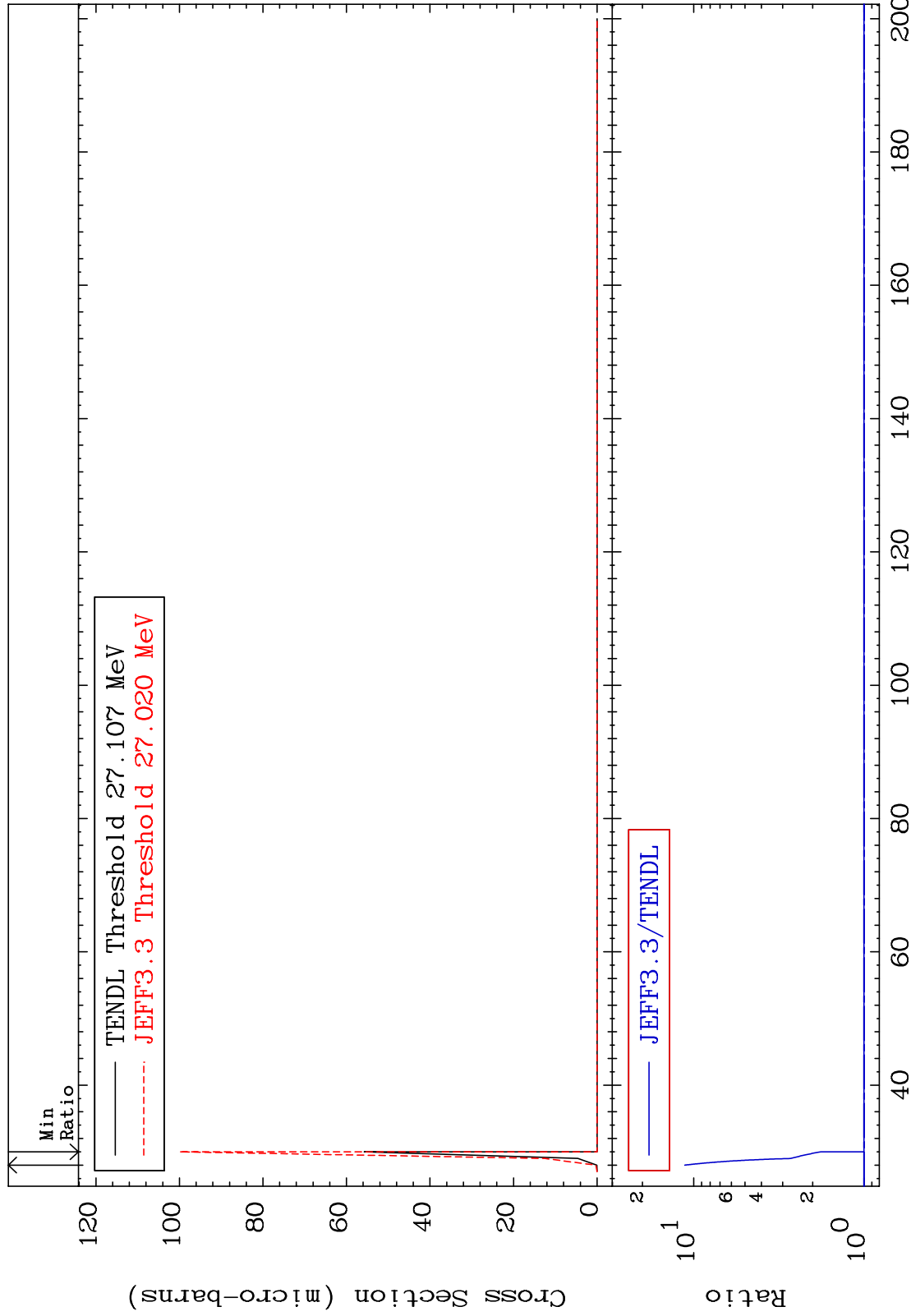
MAT 1728

(n,3n) p

17-Cl-36

Cross Section

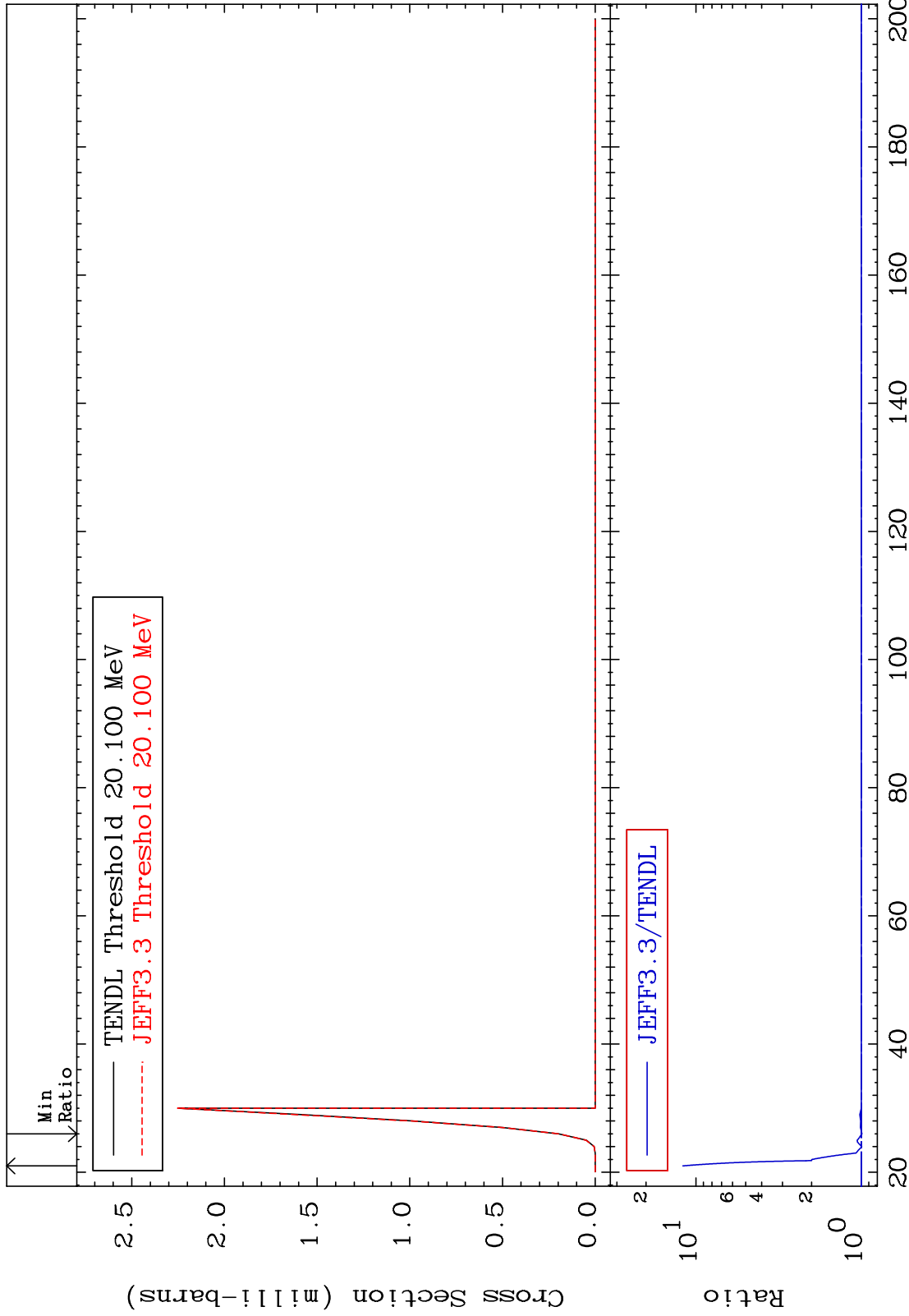
0.000 To 1028. %



MAT 1728

(n,2n) p
Cross Section

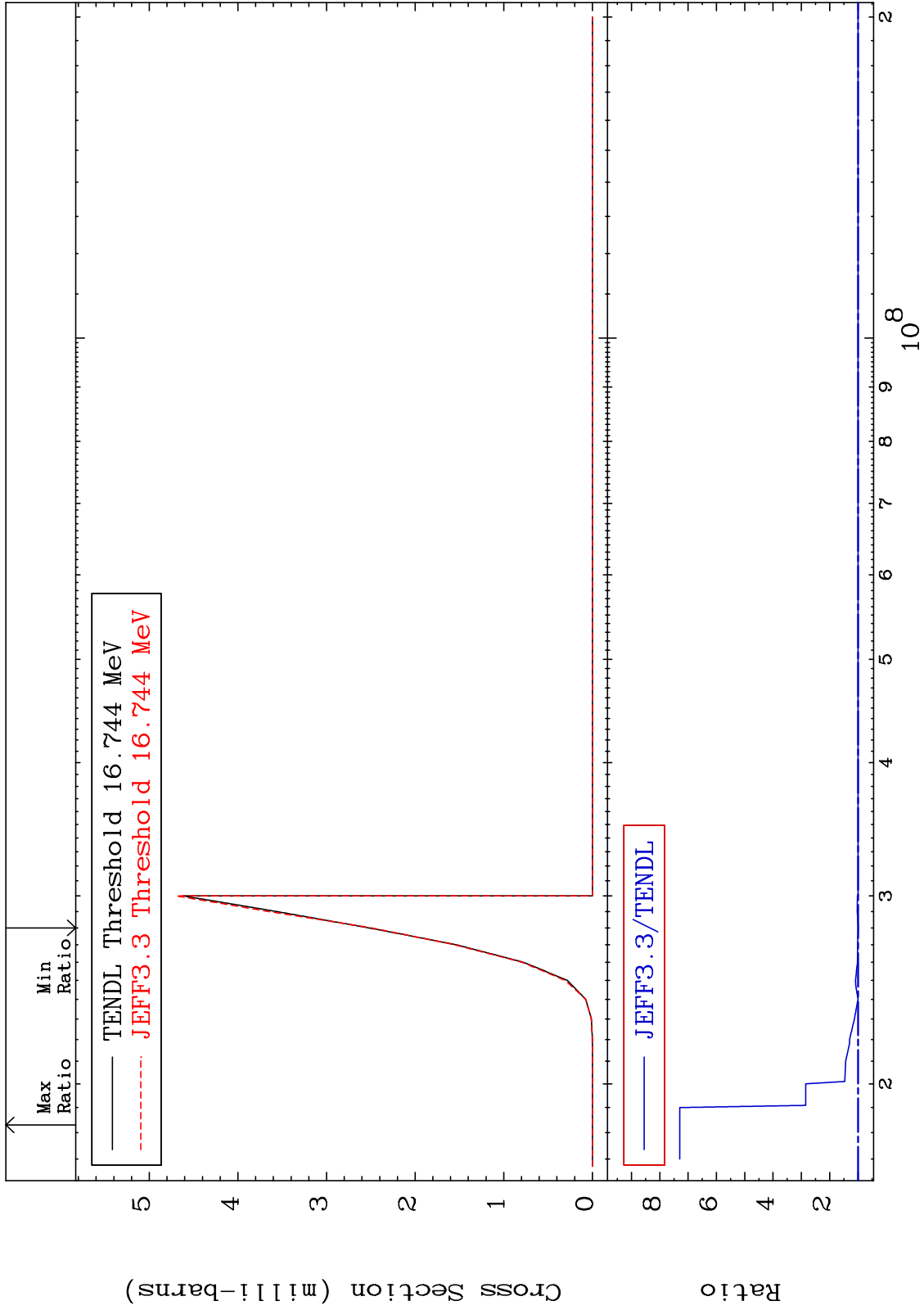
17-Cl-36
-1.021 To 1098. %



MAT 1728

(n,n') p α
Cross Section

17-Cl-36
-1.292 To 629.3 %



17

17-Cl-36

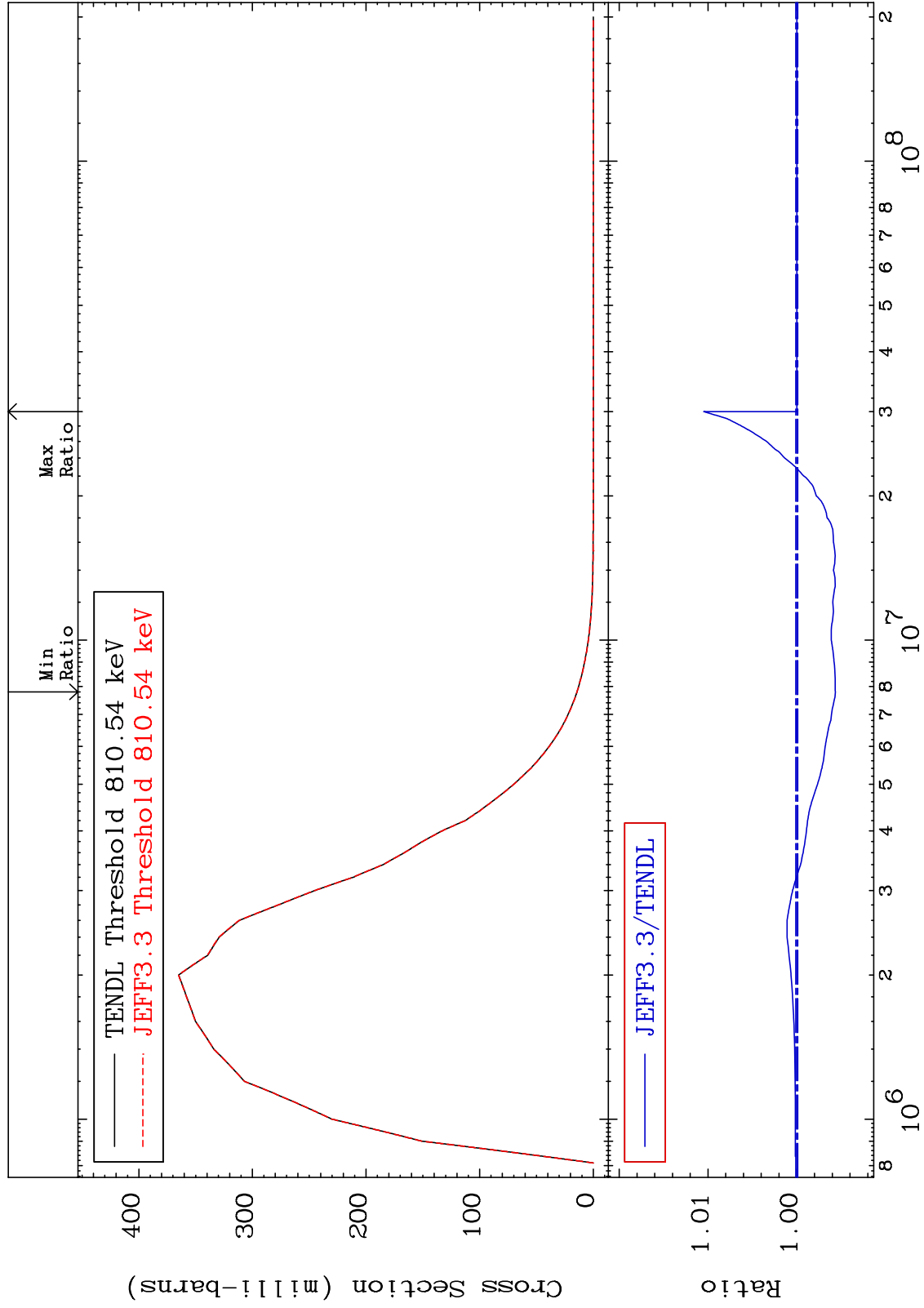
17-Cl-36

MAT 1728

MT= 51 (n,n') Level

17-Cl-36

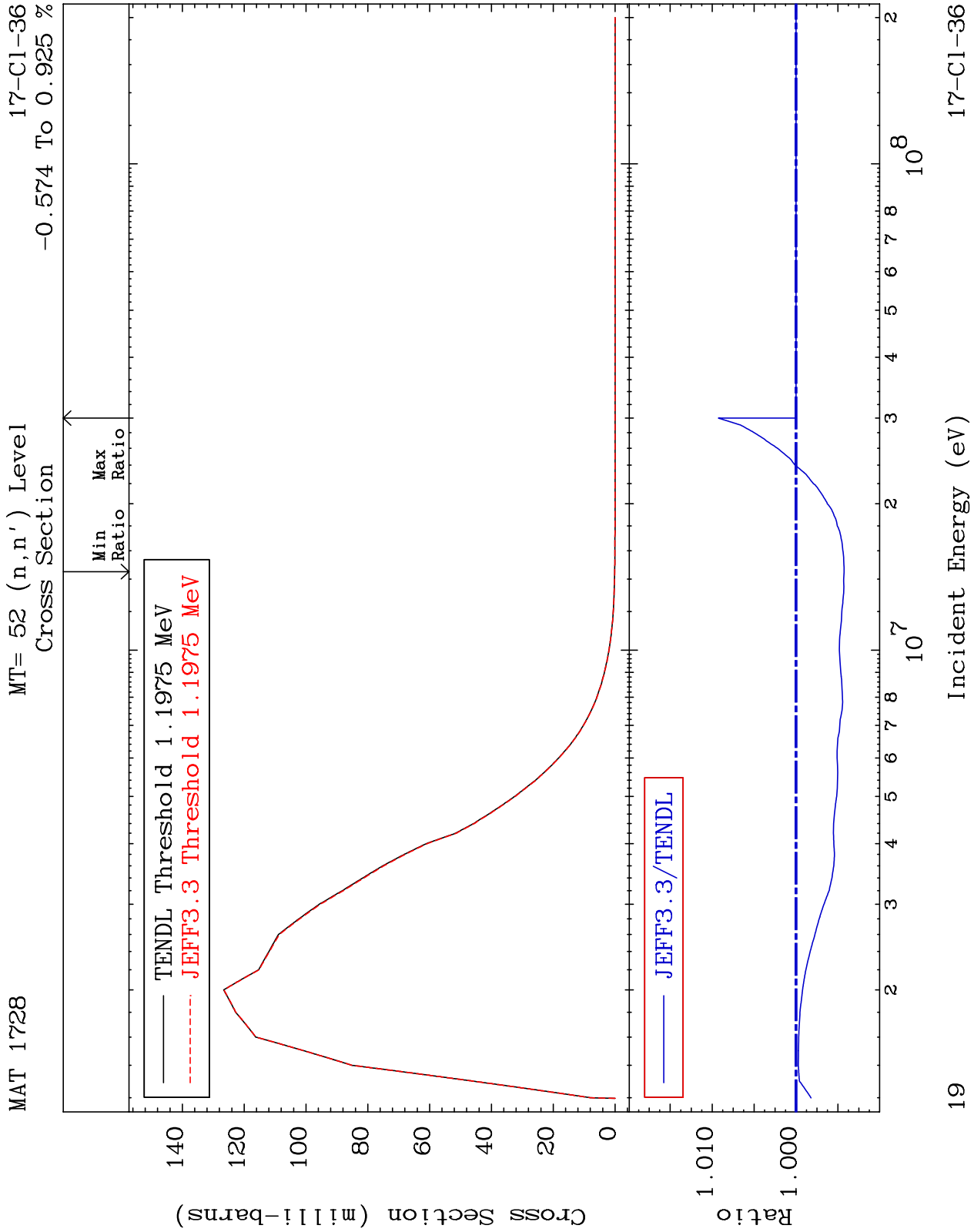
Cross Section
-0.434 To 1.049 %



18

Incident Energy (eV)

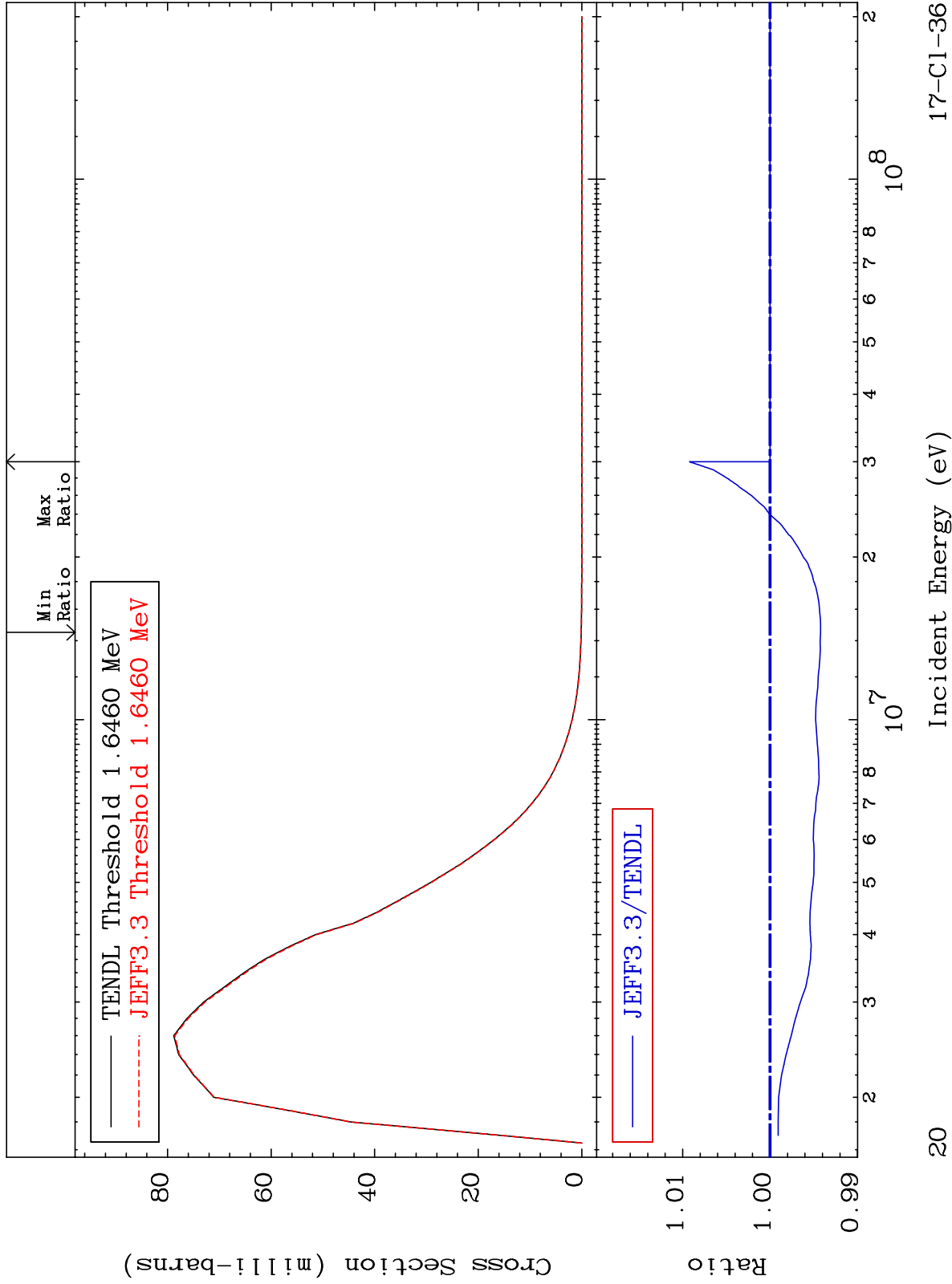
17-Cl-36



MAT 1728

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

17-Cl-36
-0.579 To 0.921 %



20

Incident Energy (eV)

17-Cl-36

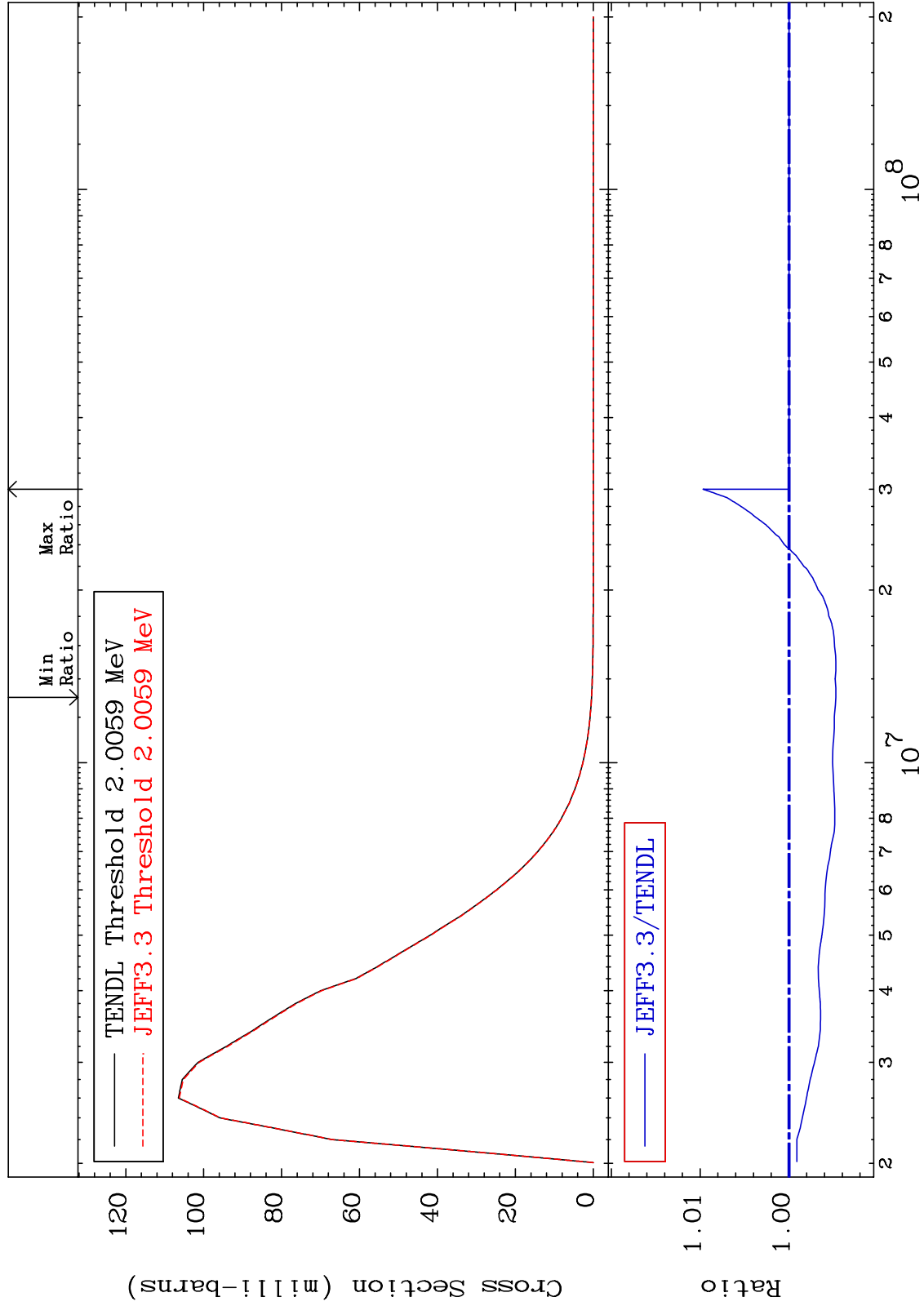
MAT 1728

MT= 54 (n,n') Level

17-Cl-36

-0.528 To 0.967 %

Cross Section



17-Cl-36

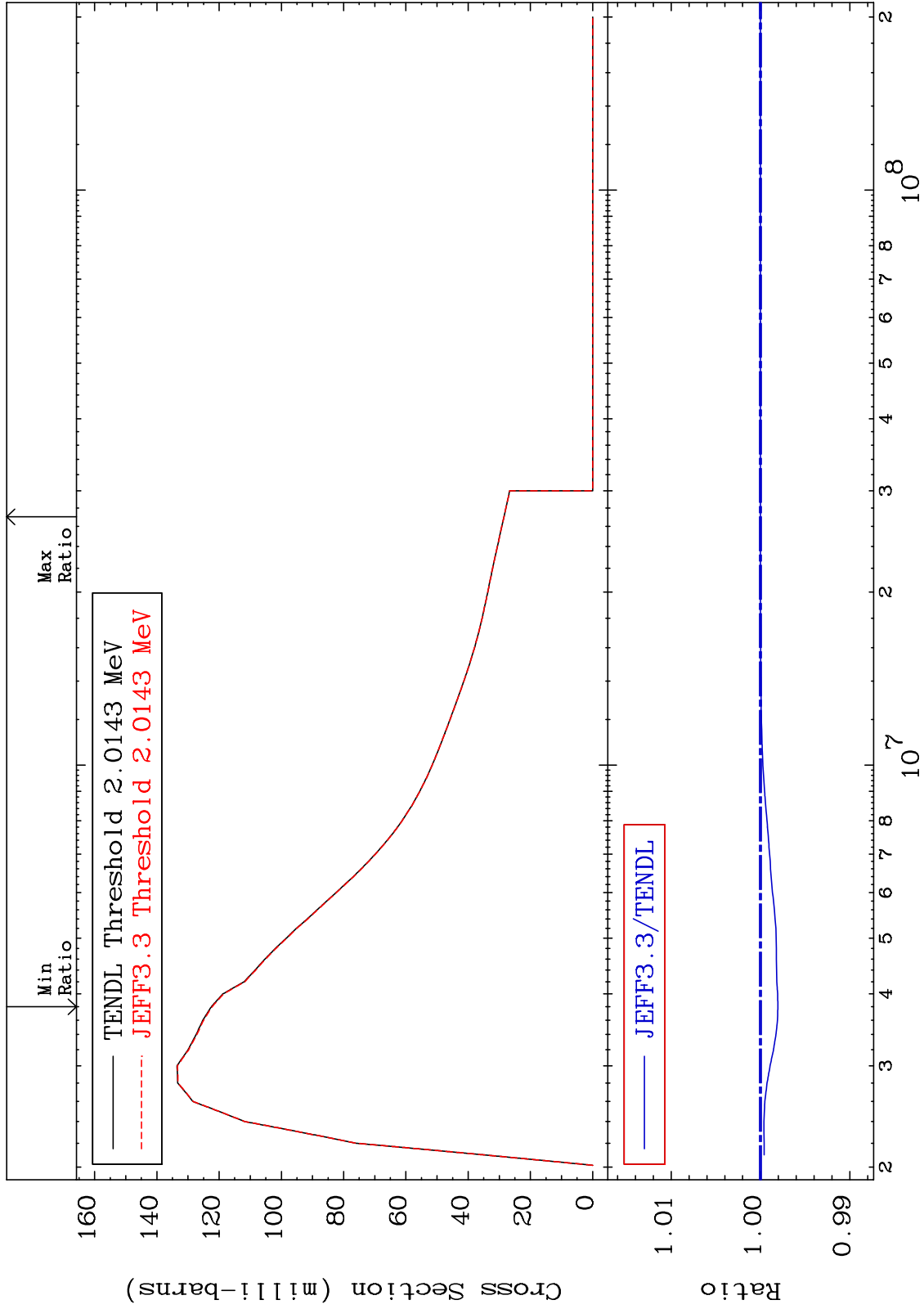
Incident Energy (eV)

21

MAT 1728

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

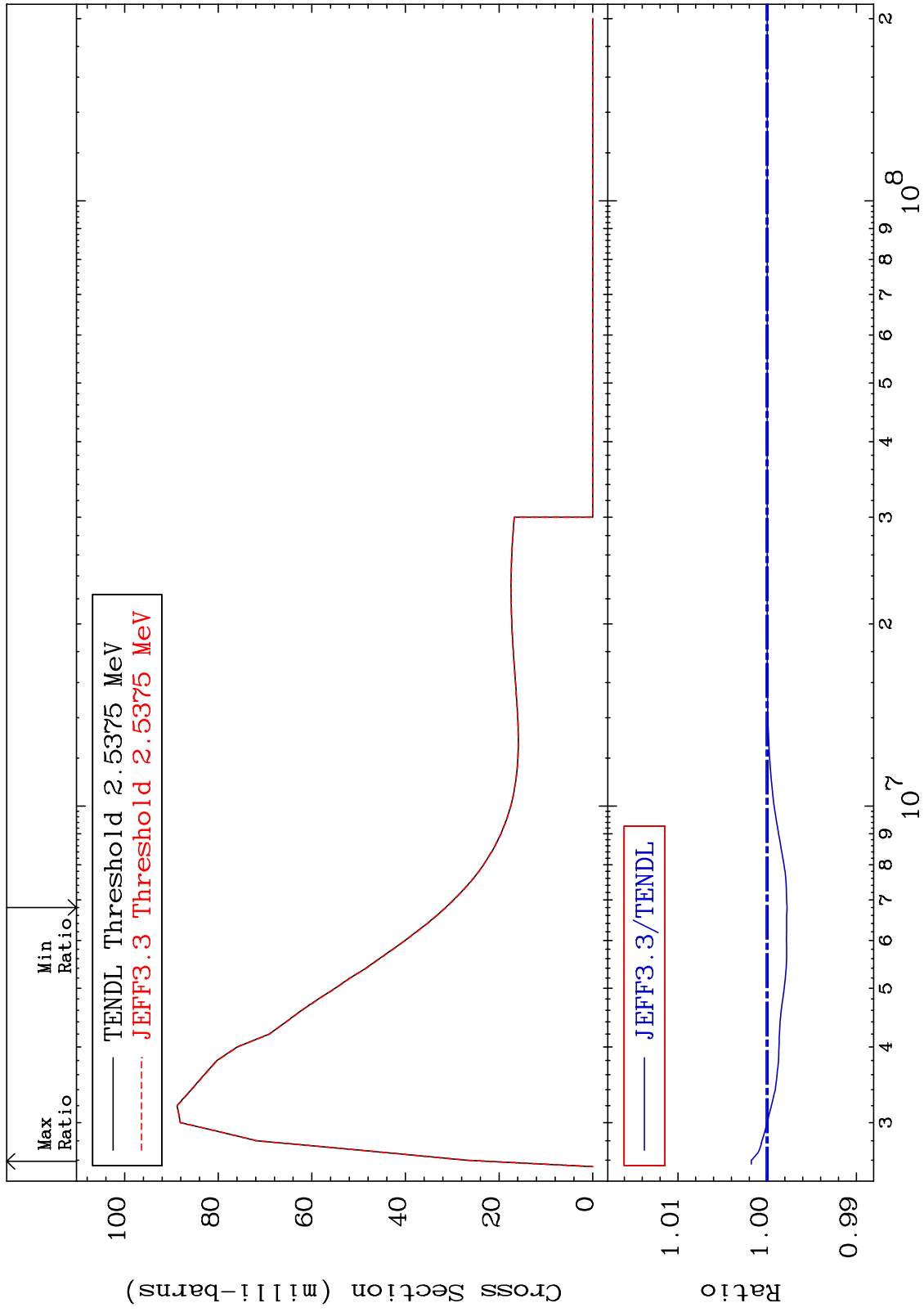
17-Cl-36
-0.195 To 0.000 %



MAT 1728

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

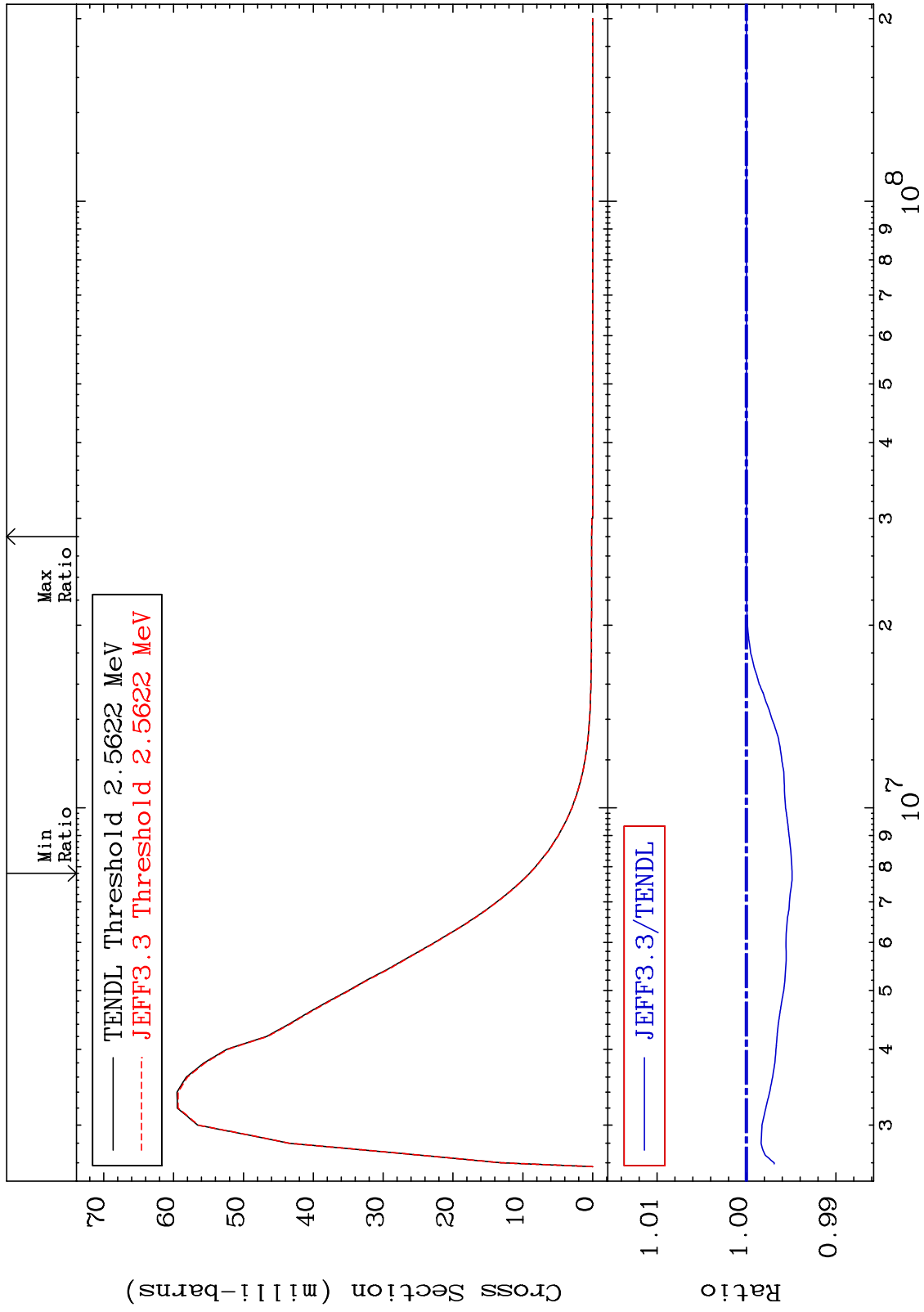
17-Cl-36
-0.224 To 0.176 %



MAT 1728

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

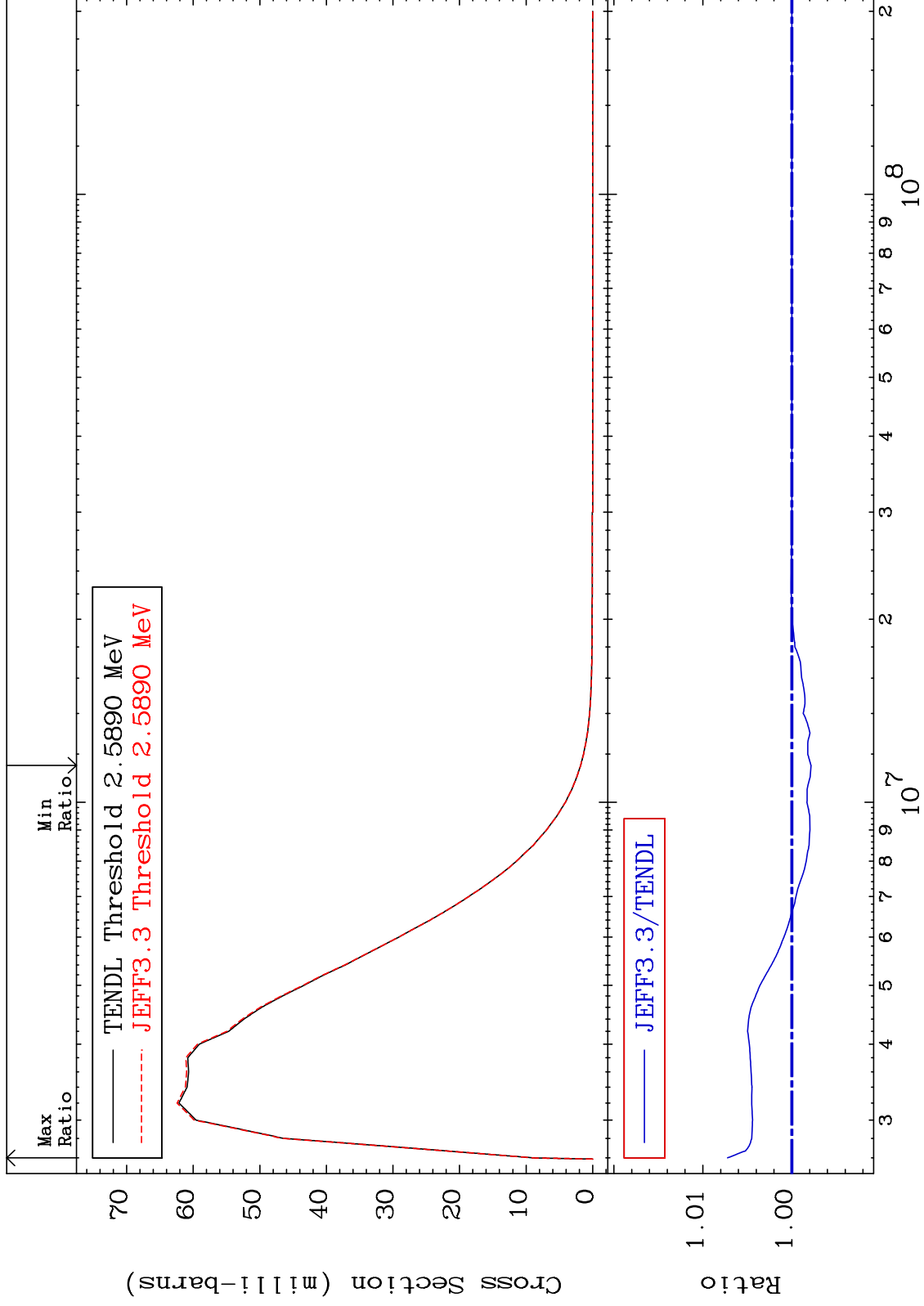
17-Cl-36
-0.512 To 0.000 %



MAT 1728

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

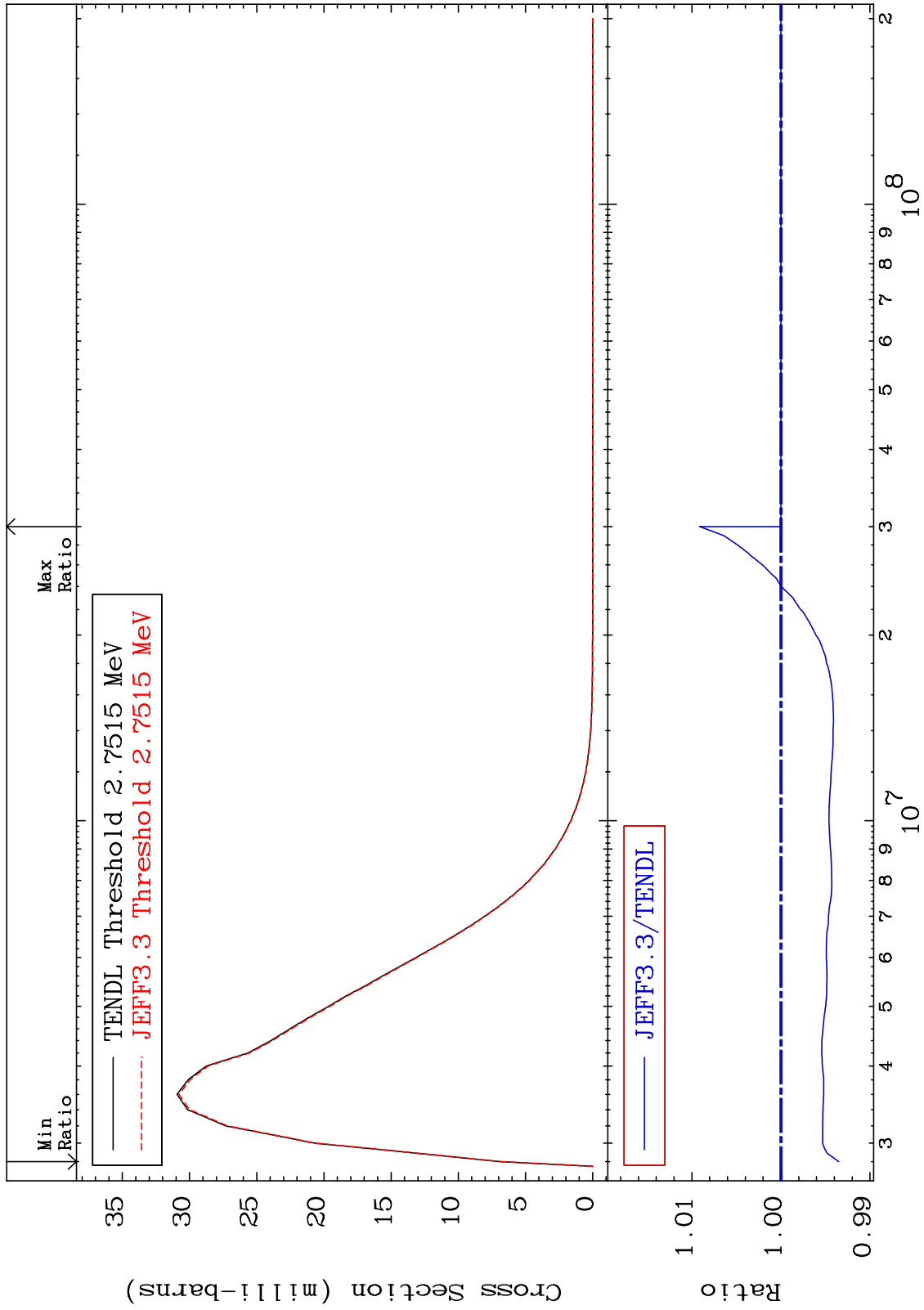
17-Cl-36
-0.215 To 0.724 %



MAT 1728

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

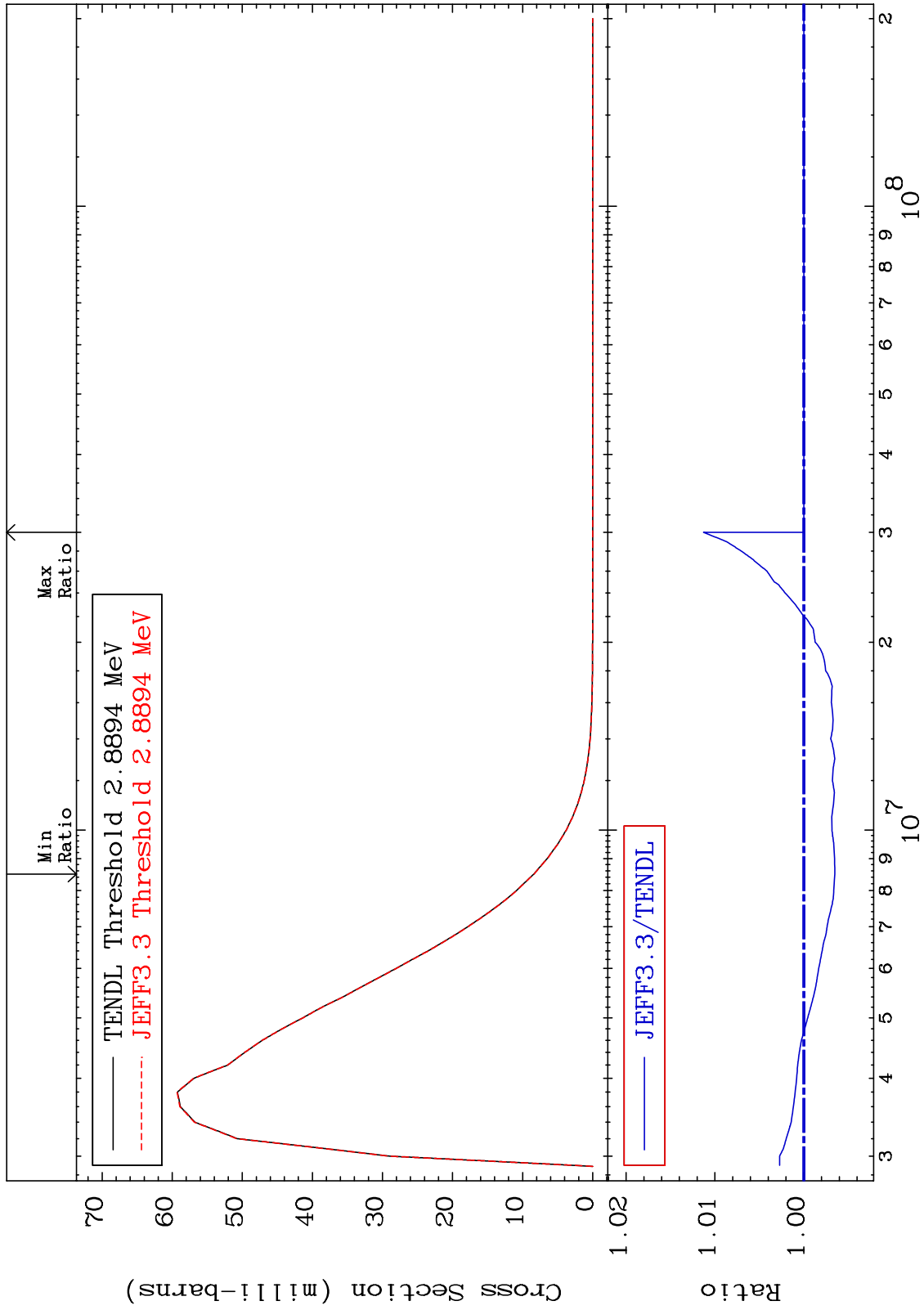
17-Cl-36
-0.649 To 0.913 %



MAT 1728

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

17-Cl-36
-0.349 To 1.128 %



27

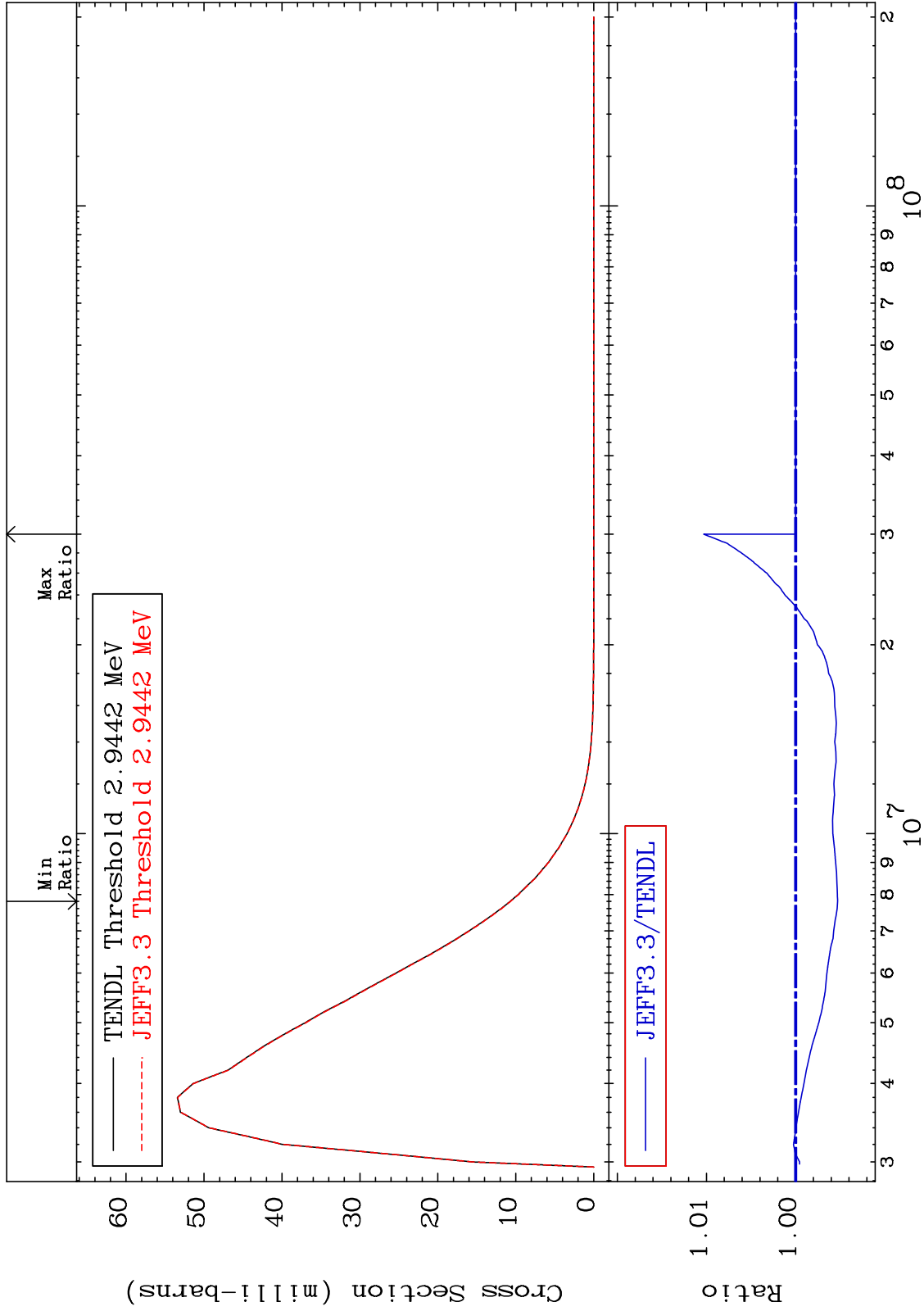
Incident Energy (eV)

17-Cl-36

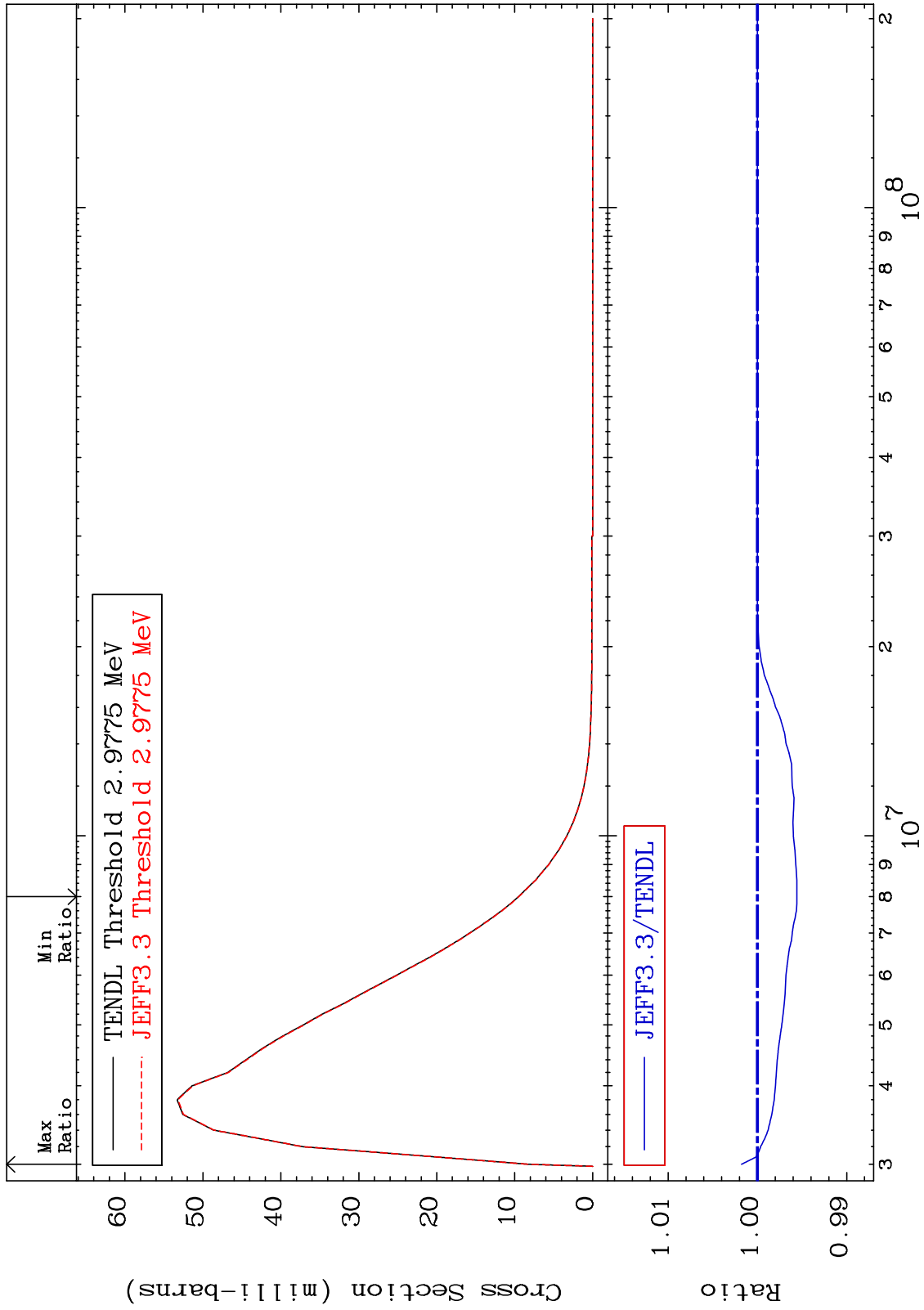
MAT 1728

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

17-Cl-36
-0.471 To 1.032 %



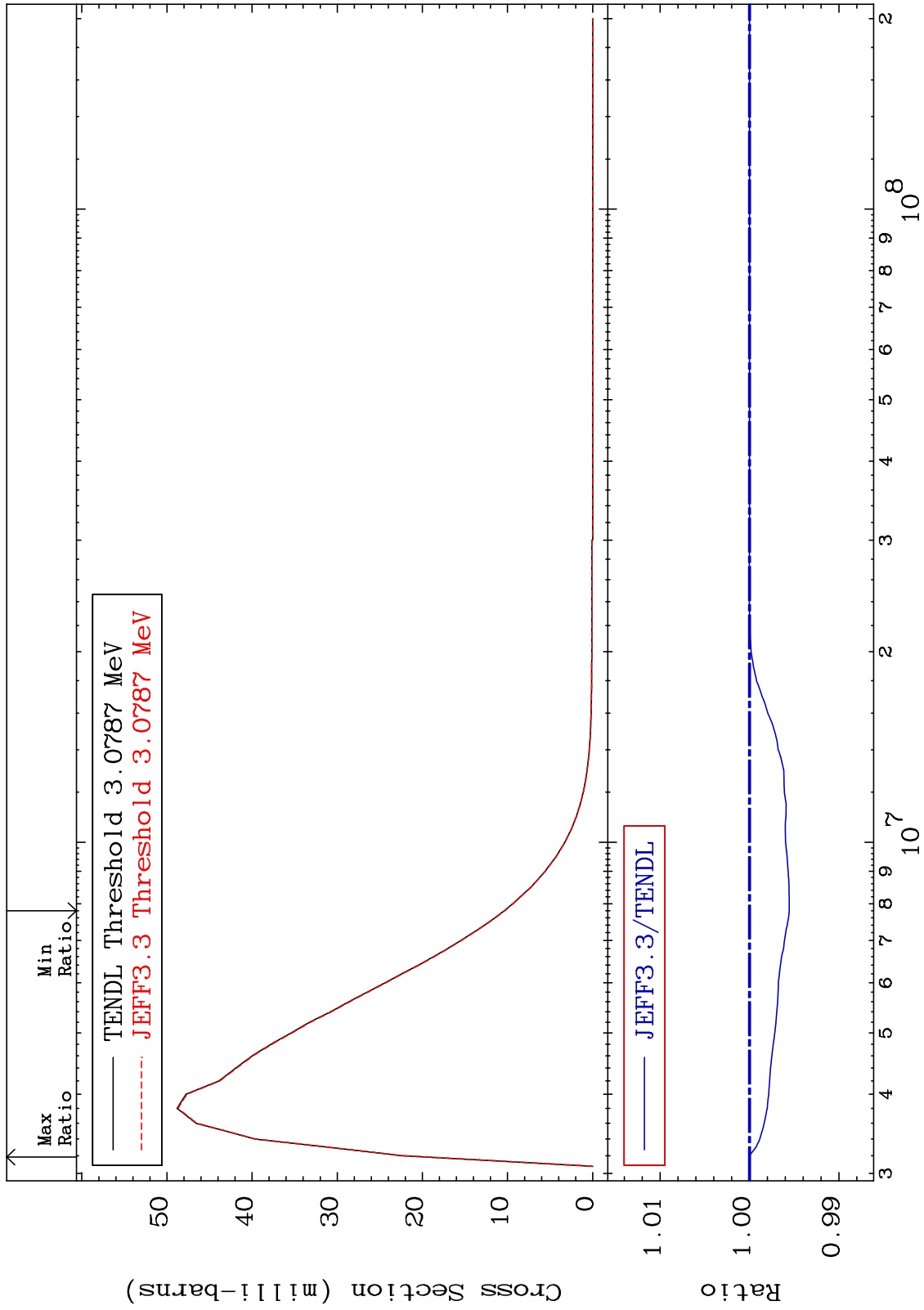
MAT 1728 MT= 62 (n, n') Level
Cross Section 17-Cl-36
-0.443 To 0.178 %



MAT 1728

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

17-Cl-36
-0.445 To 0.003 %



30

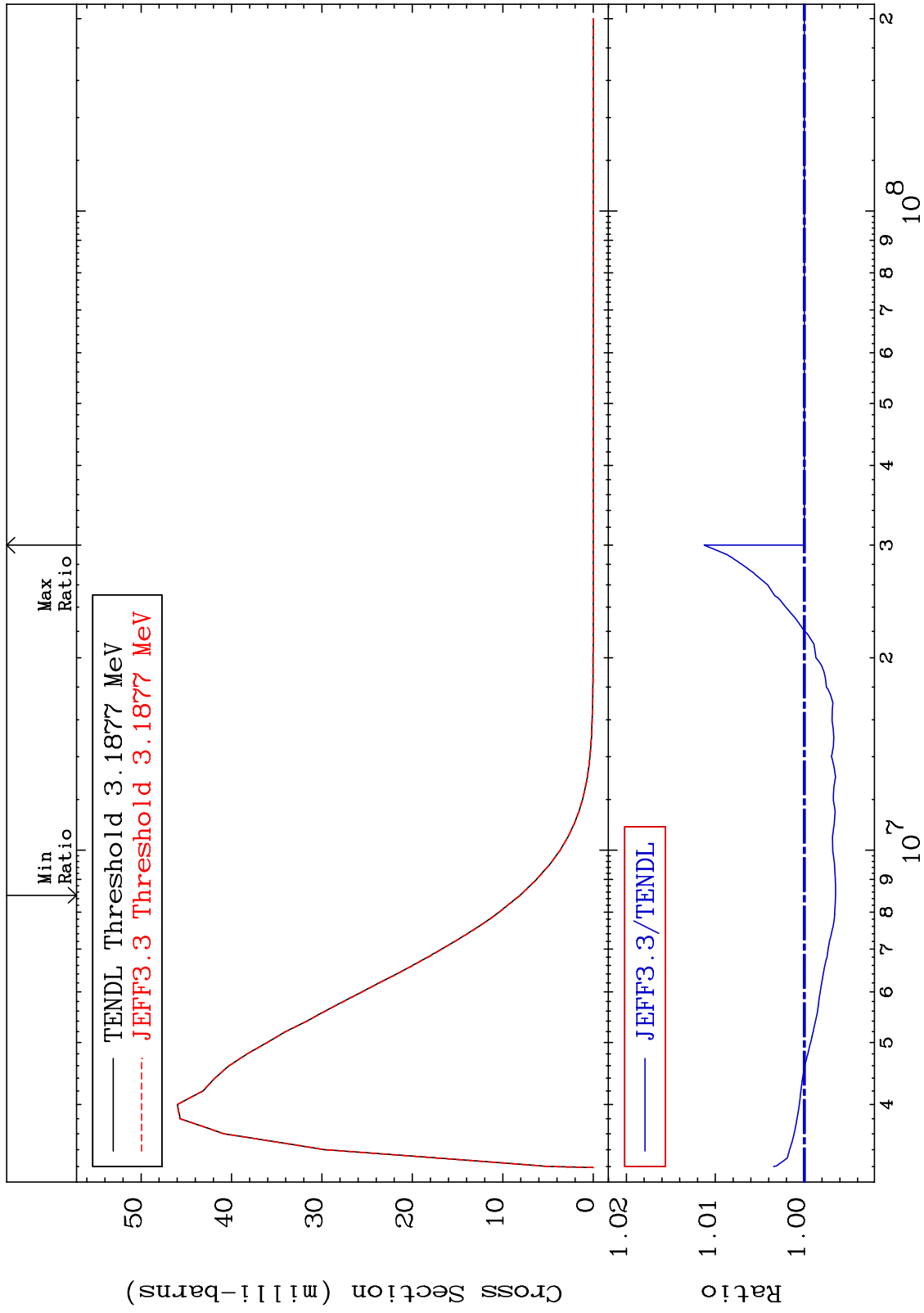
17-Cl-36

17-Cl-36

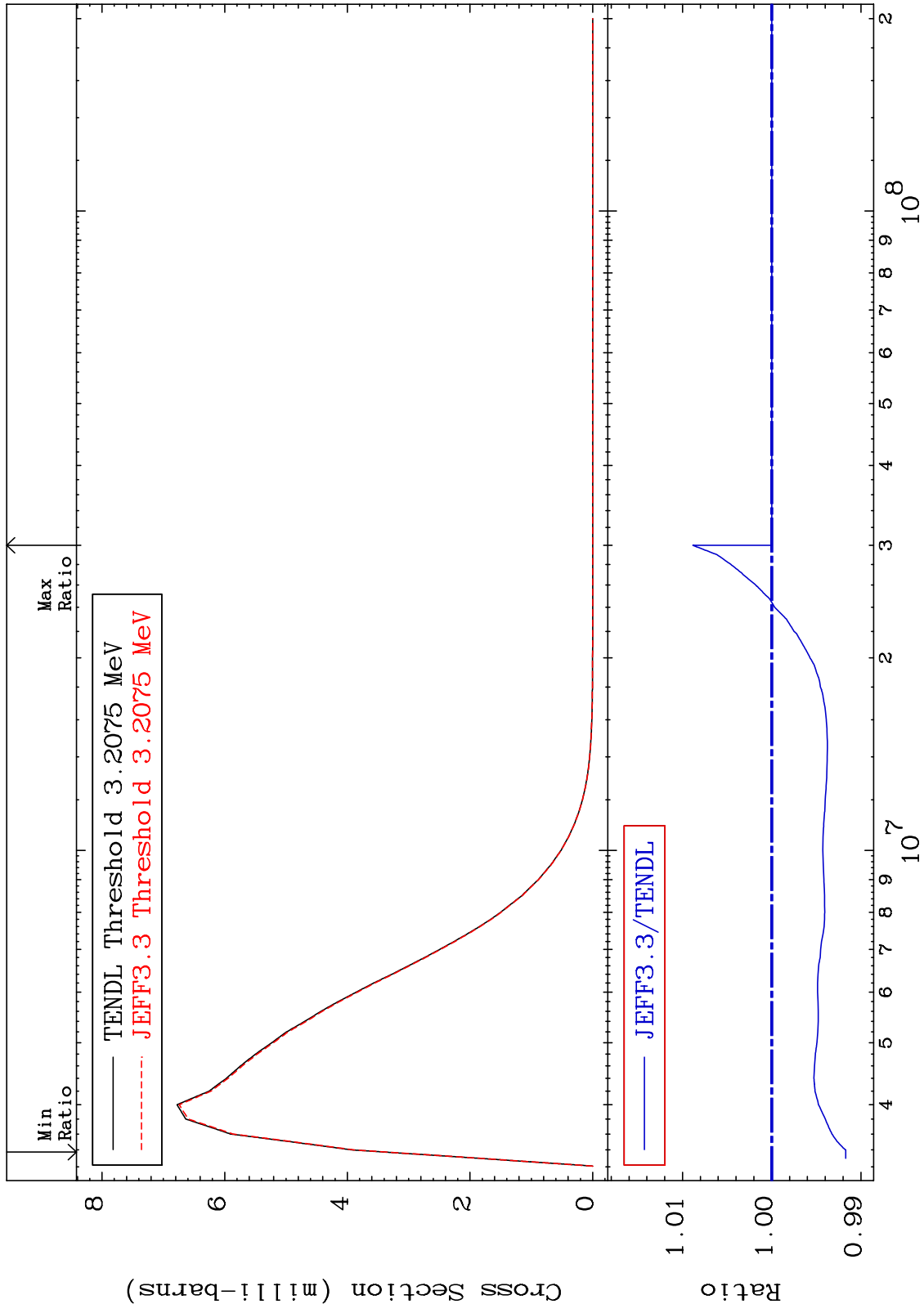
MAT 1728

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

17-Cl-36
-0.353 To 1.126 %



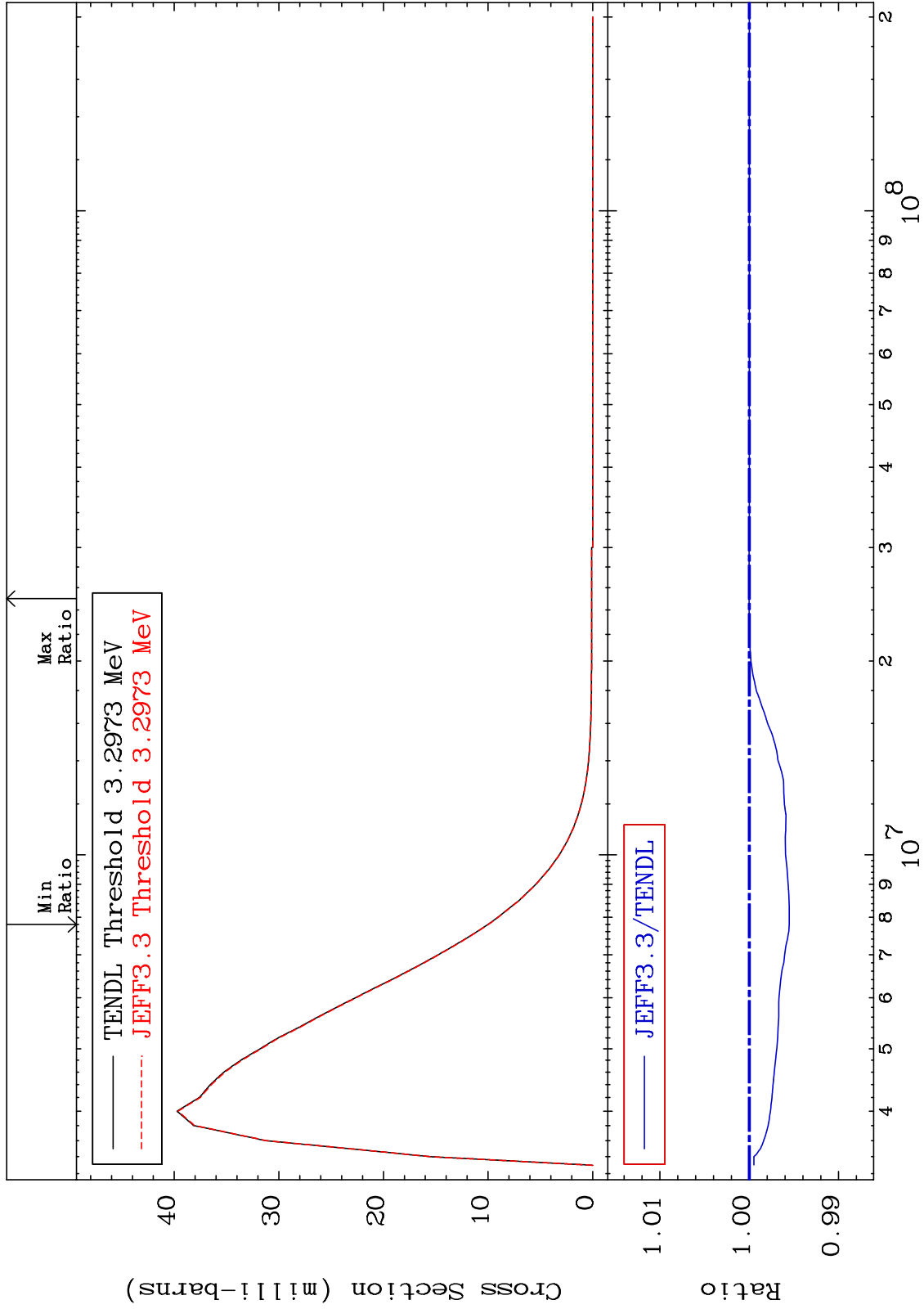
MAT 1728 MT= 65 (n, n') Level Cross Section -0.829 To 0.885 % 17-Cl-36



MAT 1728

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

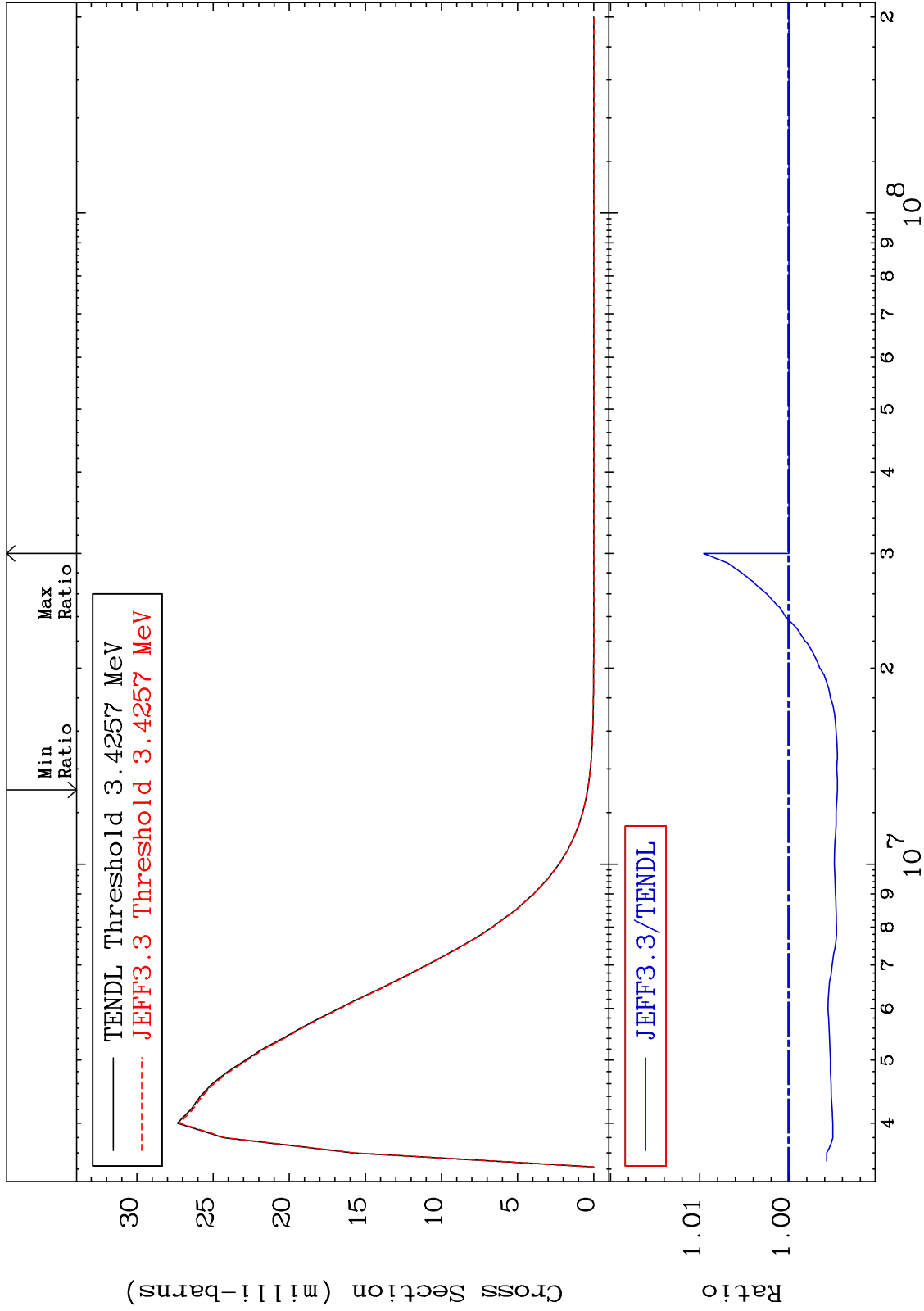
17-Cl-36
-0.448 To 0.001 %



MAT 1728

MT= 67 (n, n') Level
Cross Section

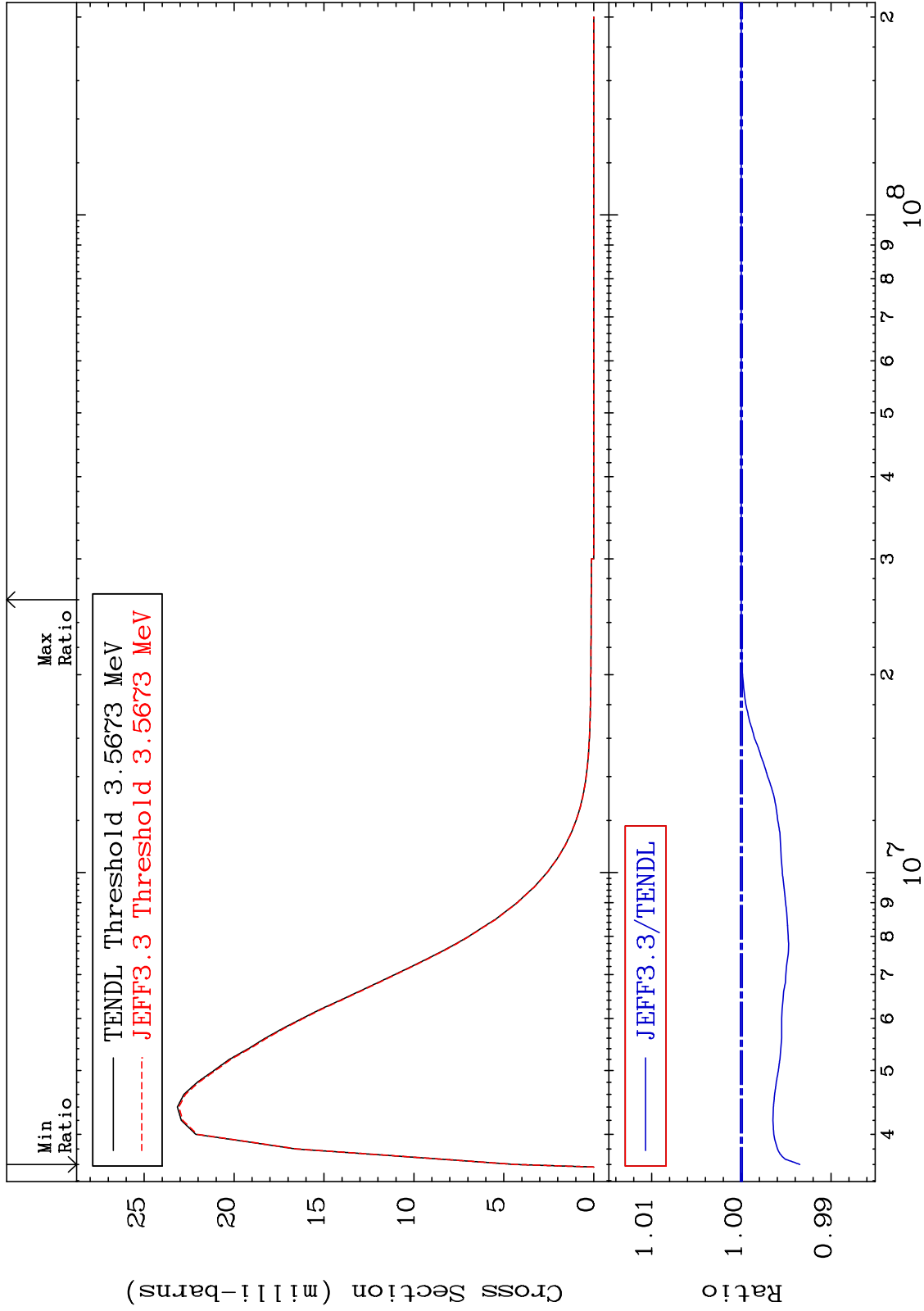
17-Cl-36
-0.544 To 0.956 %



MAT 1728

MT= 68 (n,n') Level
Cross Section

17-Cl-36
-0.653 To 0.000 %



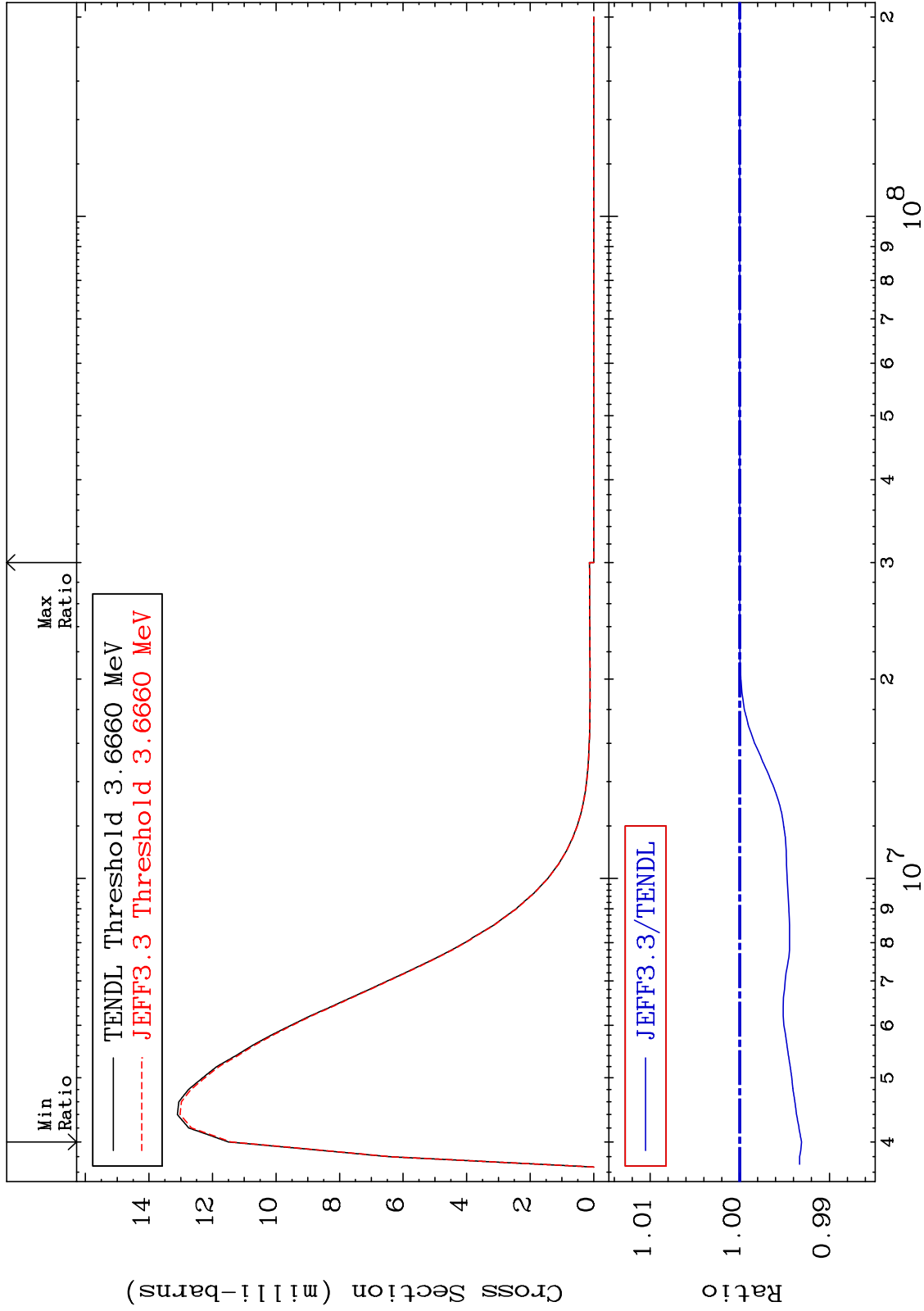
35

17-Cl-36

MAT 1728

MT= 69 (n, n') Level
Cross Section

17-Cl-36
-0.689 To 0.000 %



36

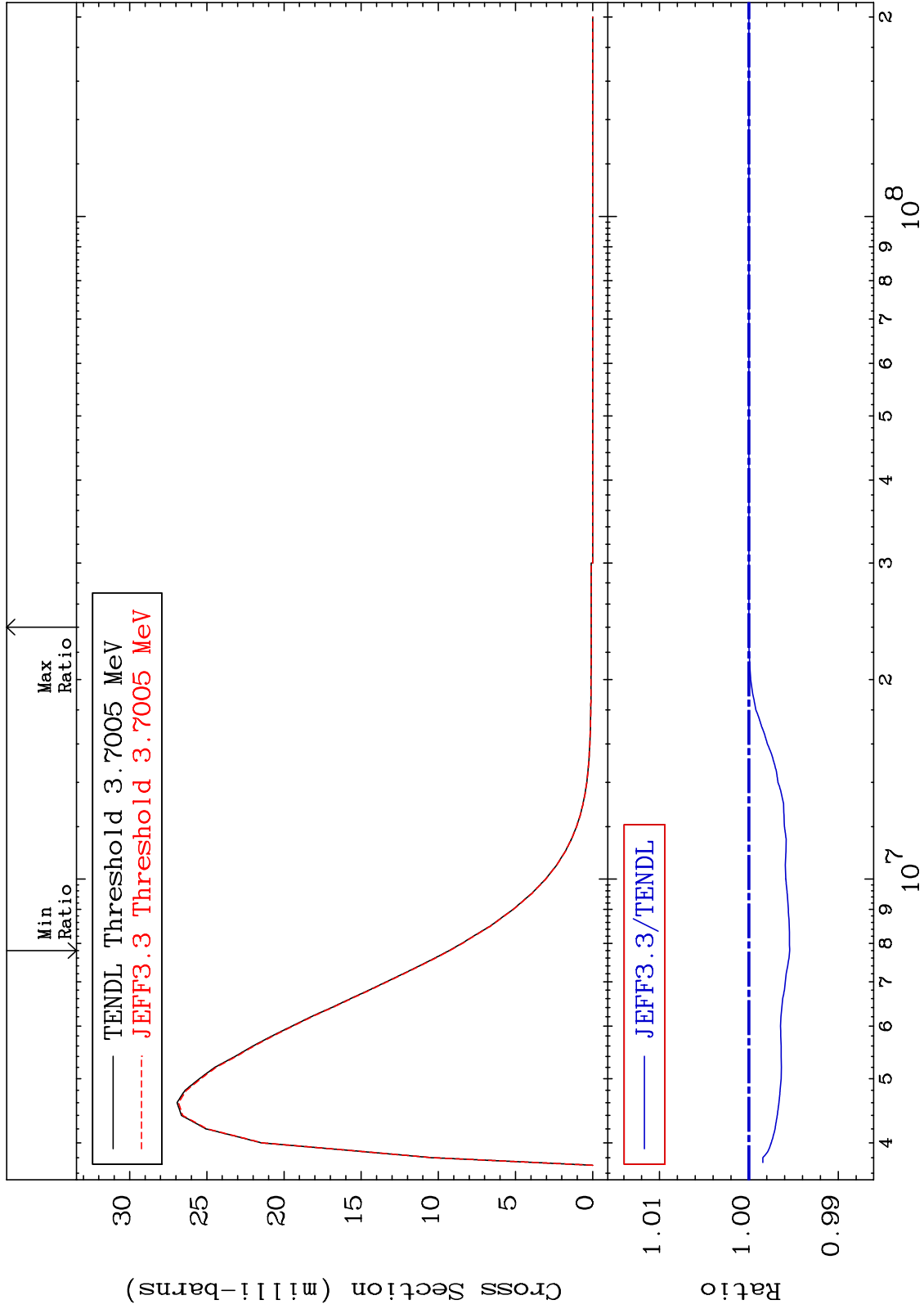
Incident Energy (eV)

17-Cl-36

MAT 1728

MT= 70 (n,n') Level
Cross Section

17-Cl-36
-0.454 To 0.001 %

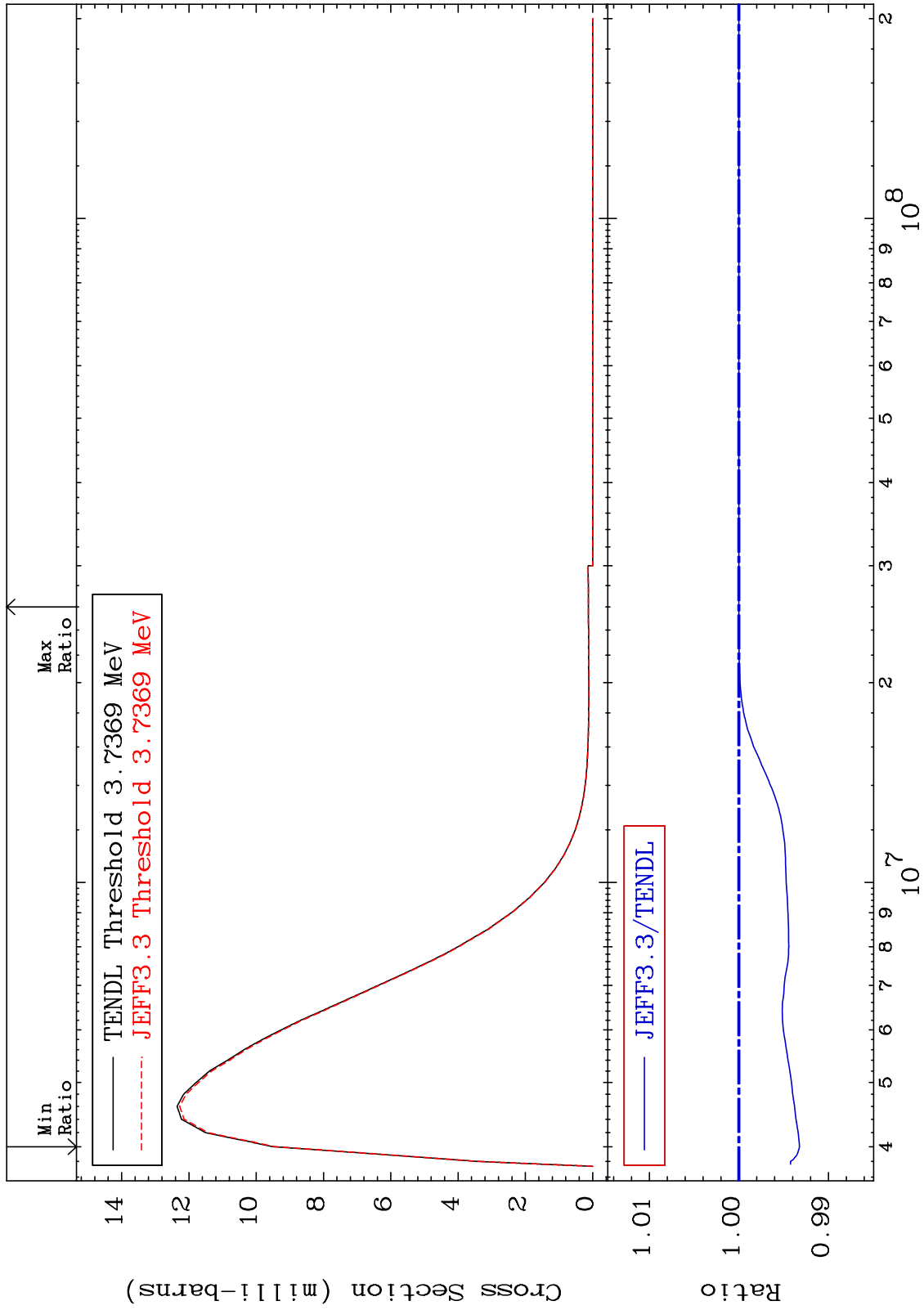


37

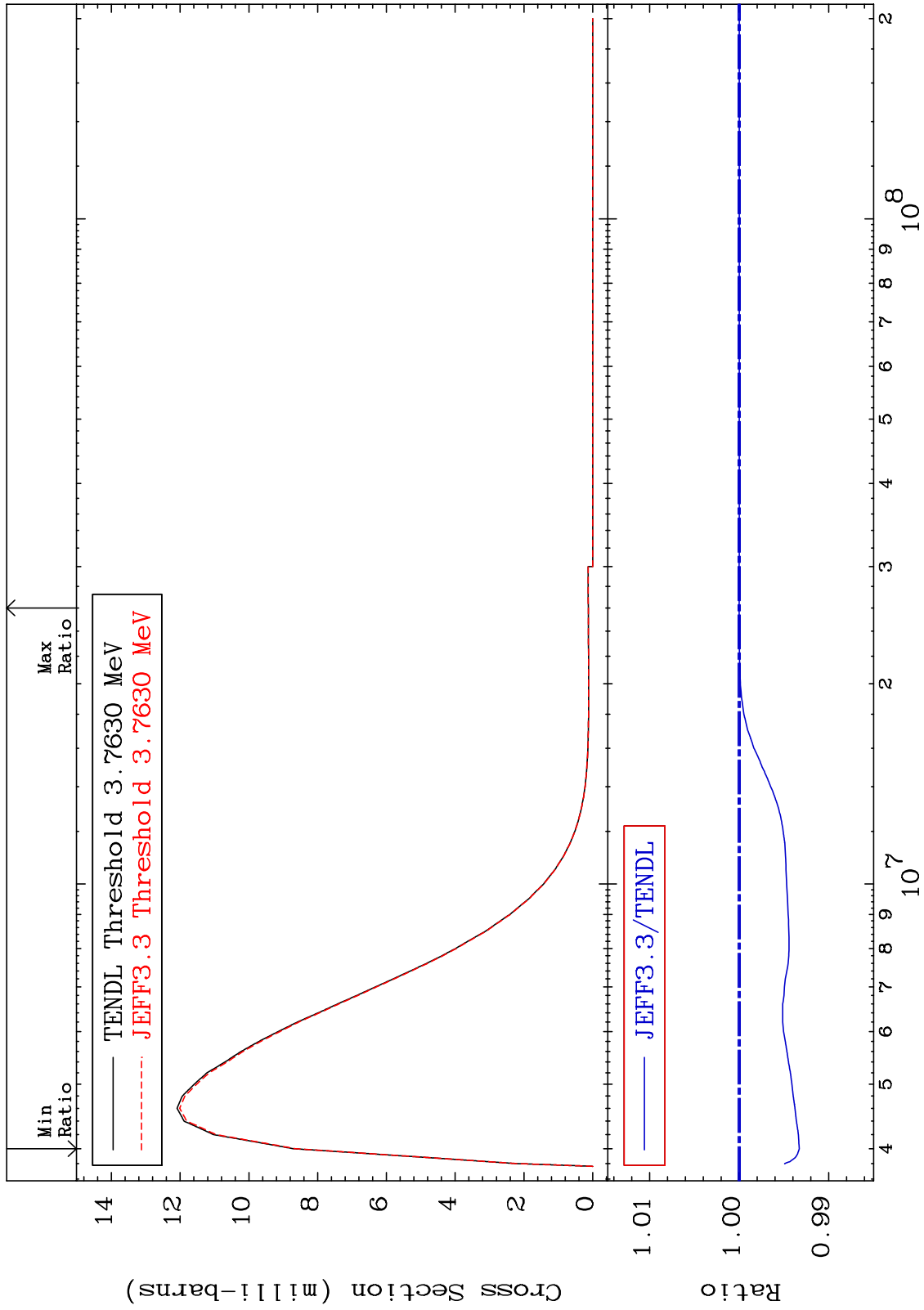
Incident Energy (eV)

17-Cl-36

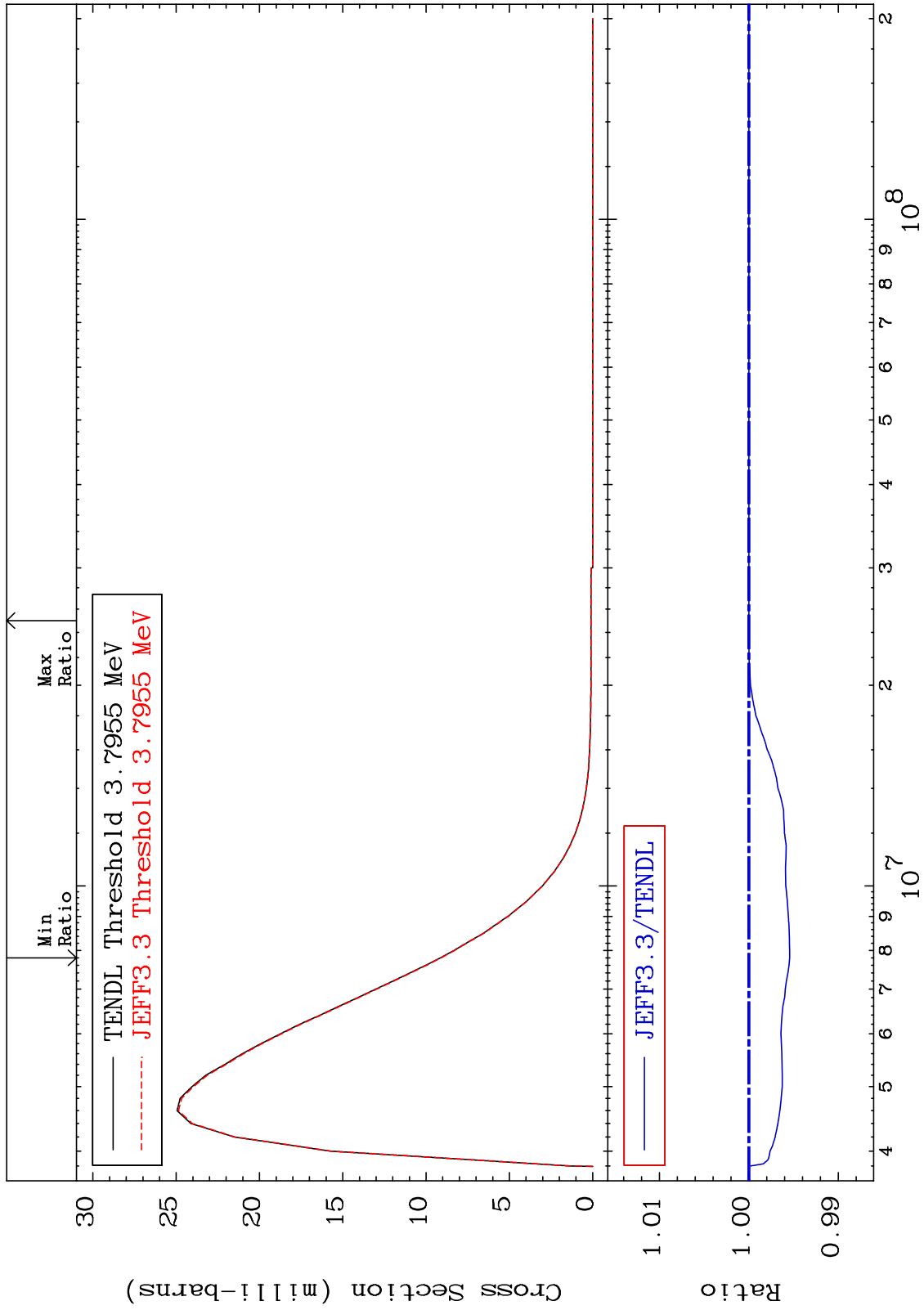
MAT 1728 MT= 71 (n,n') Level Cross Section -0.678 To 0.000 % 17-Cl-36



MAT 1728 MT= 72 (n,n') Level Cross Section 17-Cl-36
-0.672 To 0.000 %

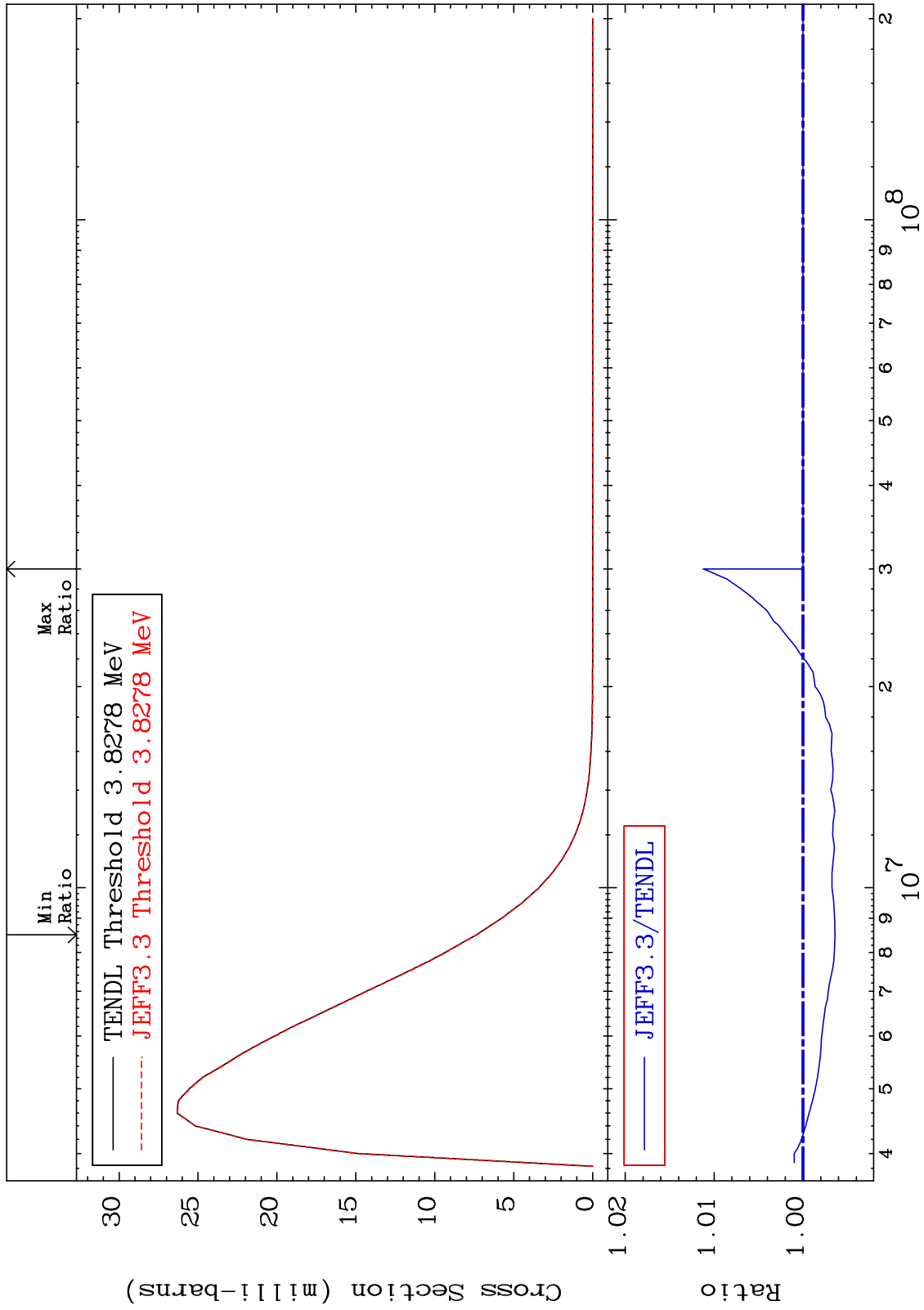


MAT 1728 MT= 73 (n,n') Level Cross Section 17-Cl-36
 -0.456 To 0.001 %

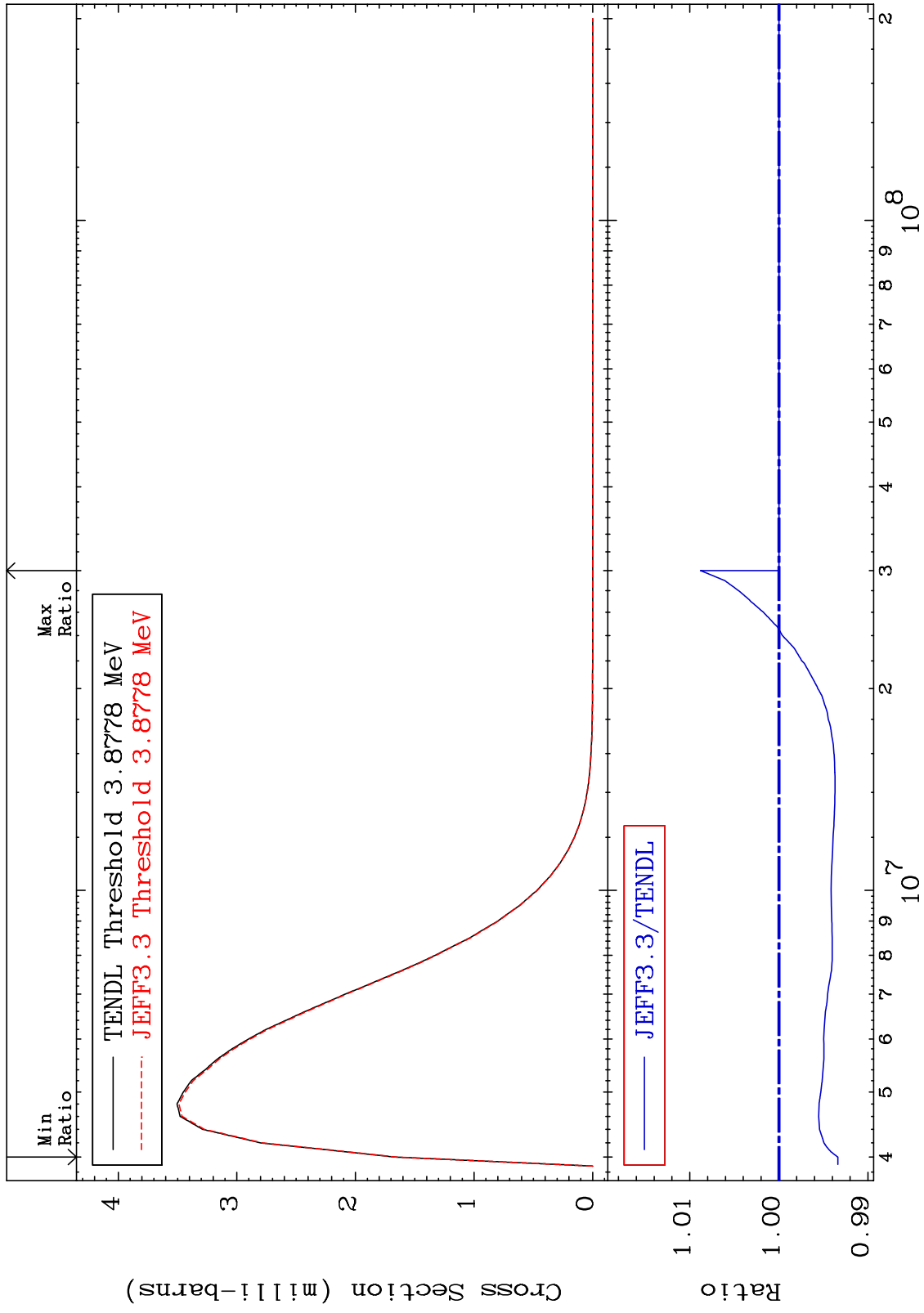


40 17-Cl-36

MAT 1728 MT= 74 (n,n') Level Cross Section 17-Cl-36
 -0.361 To 1.121 %



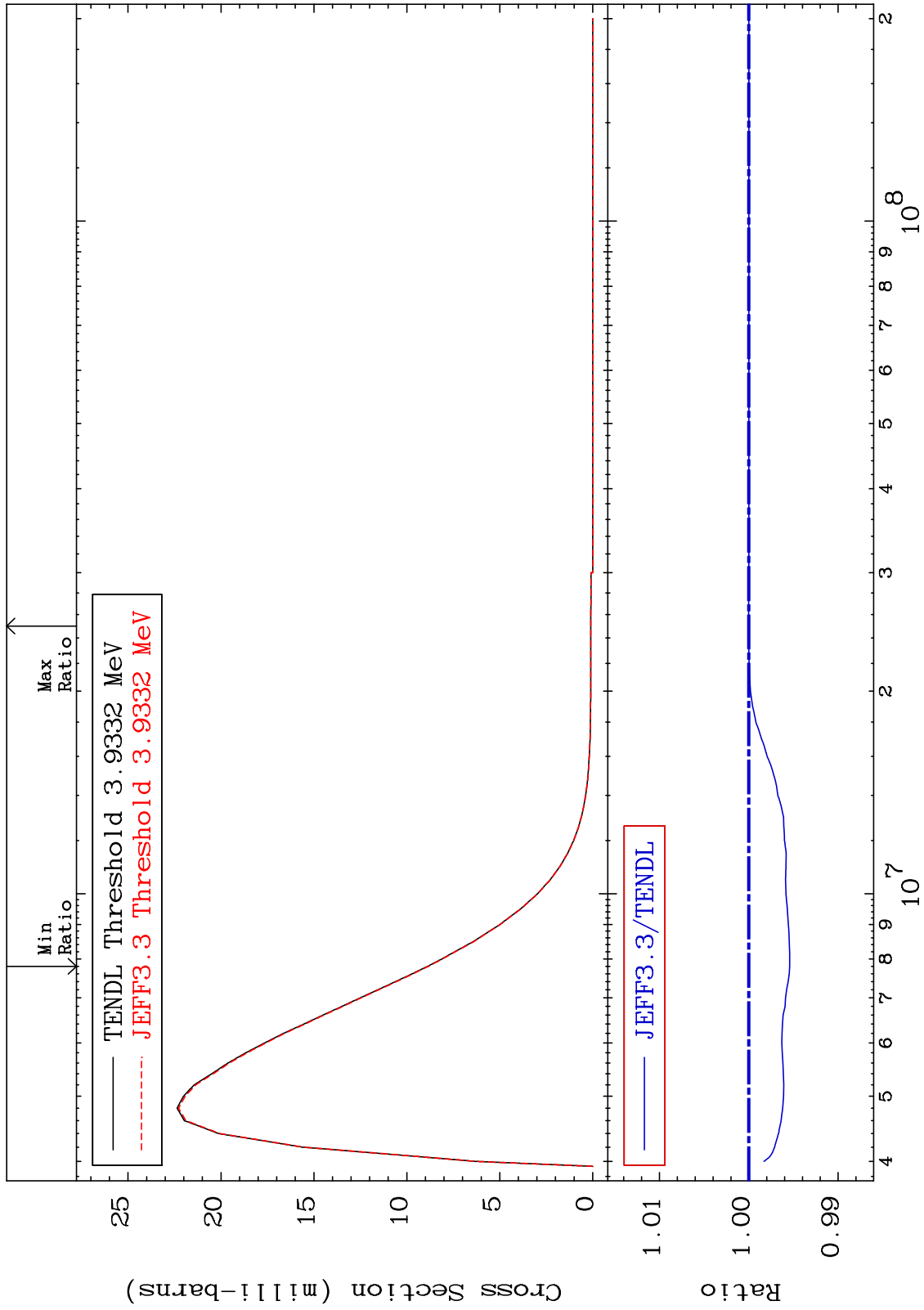
MAT 1728 MT= 75 (n,n') Level Cross Section 17-Cl-36
 -0.662 To 0.880 %



MAT 1728

MT= 76 (n,n') Level
Cross Section

17-Cl-36
-0.458 To 0.001 %



43

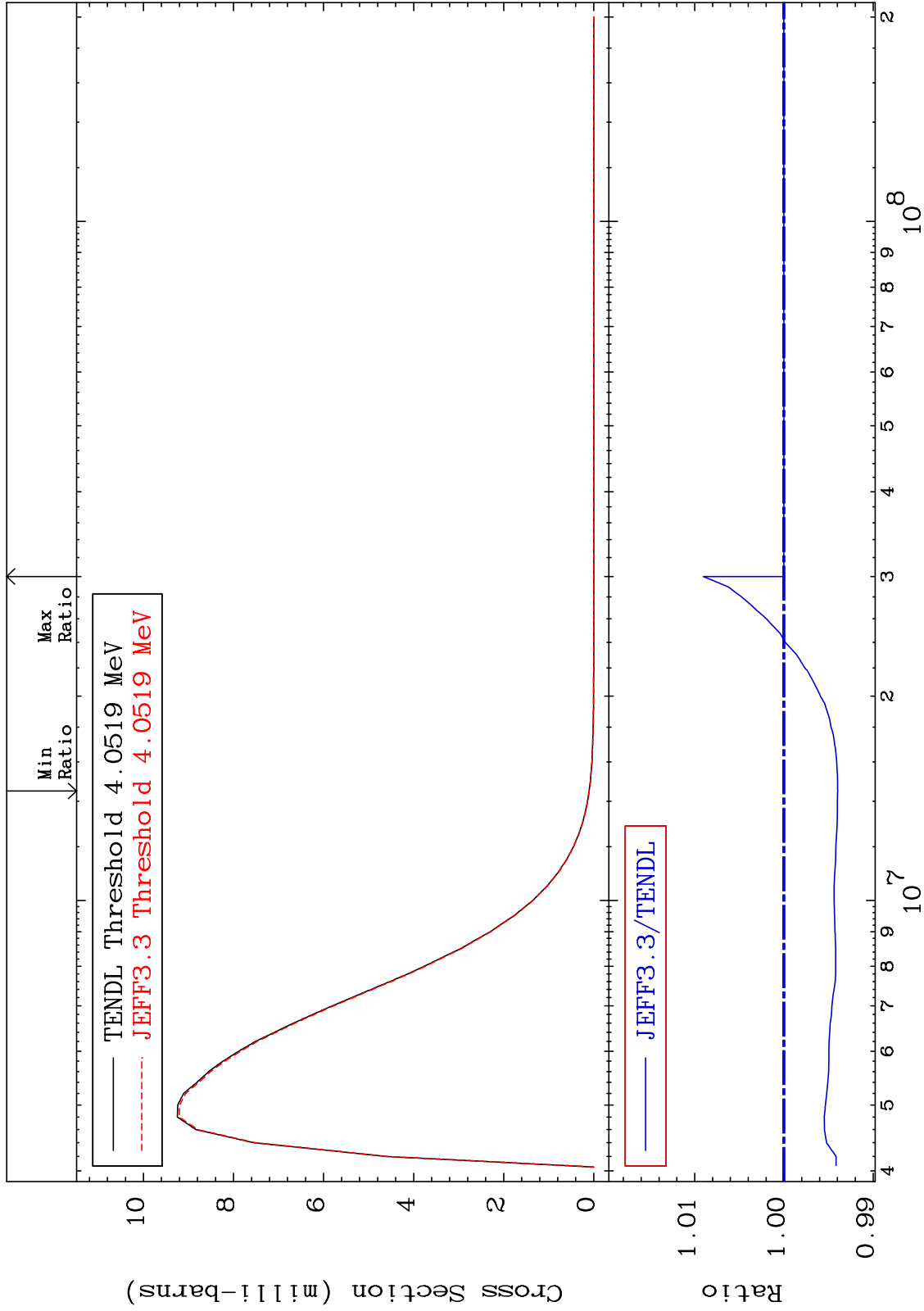
Incident Energy (eV)

17-Cl-36

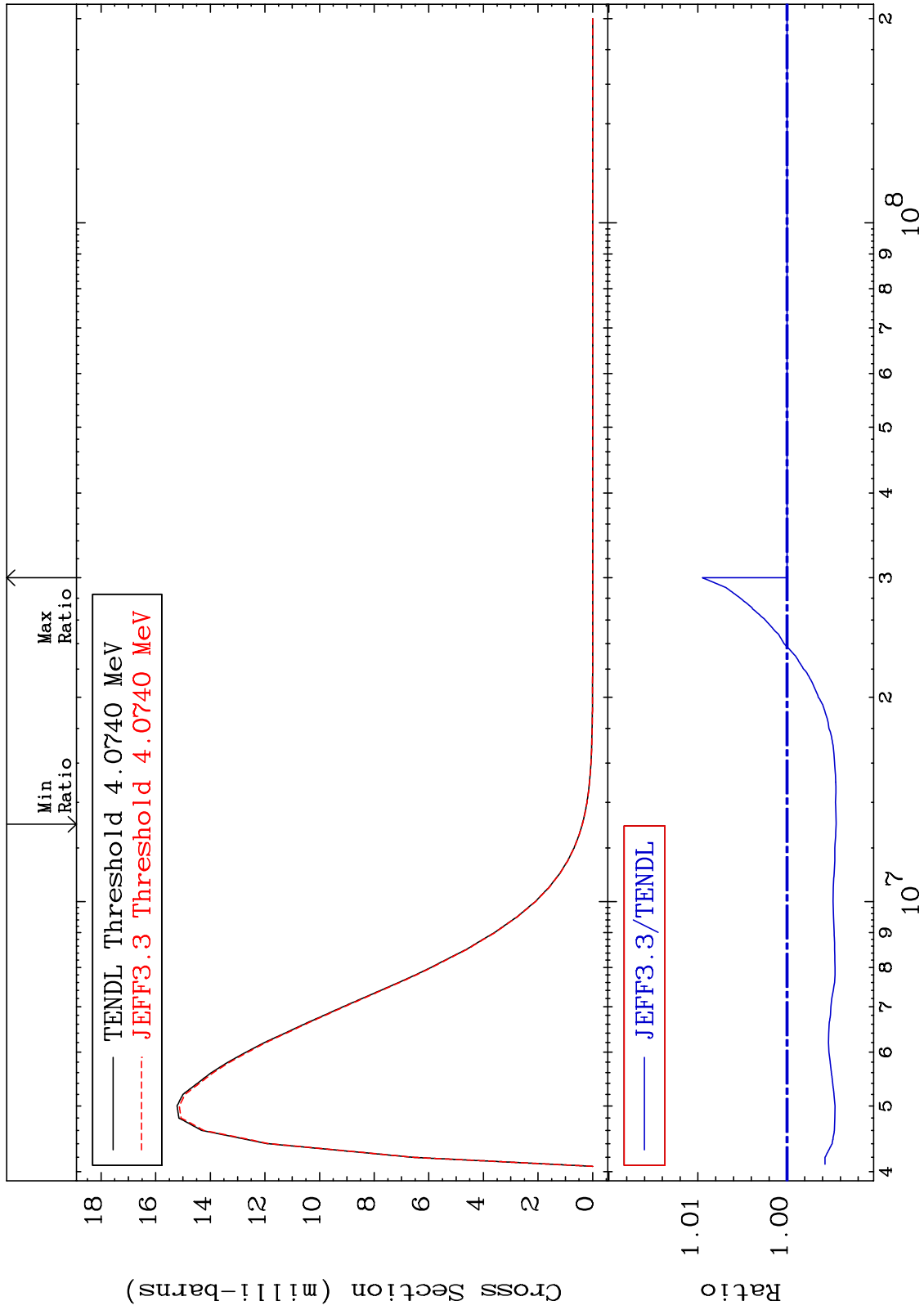
MAT 1728

MT= 77 (n, n') Level
Cross Section

17-Cl-36
-0.603 To 0.902 %



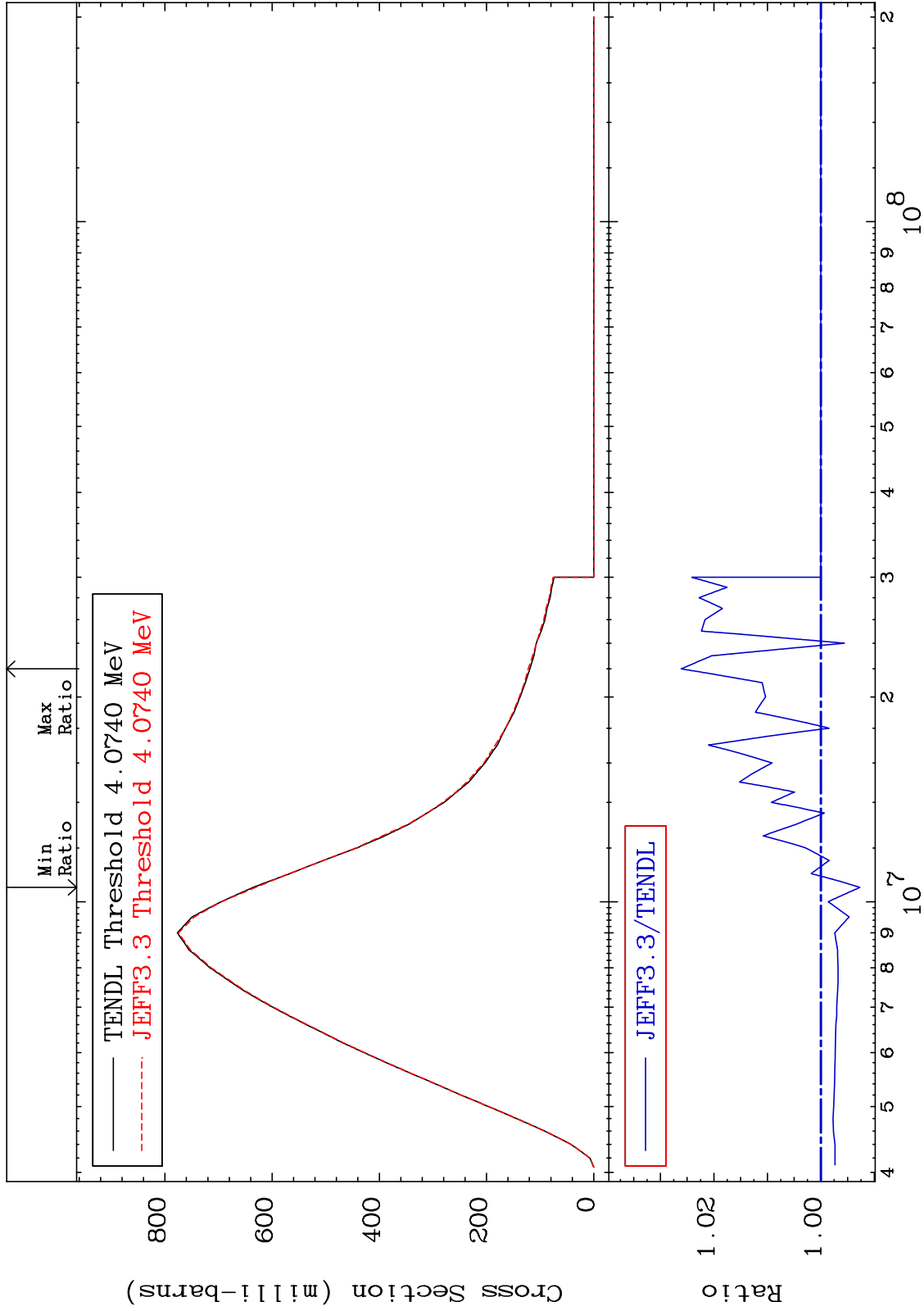
MAT 1728 MT= 78 (n,n') Level Cross Section 17-Cl-36
 -0.552 To 0.950 %



MAT 1728

(n, n') Continuum
Cross Section

17-Cl-36
-0.731 To 2.611 %



46

Incident Energy (eV)

17-Cl-36

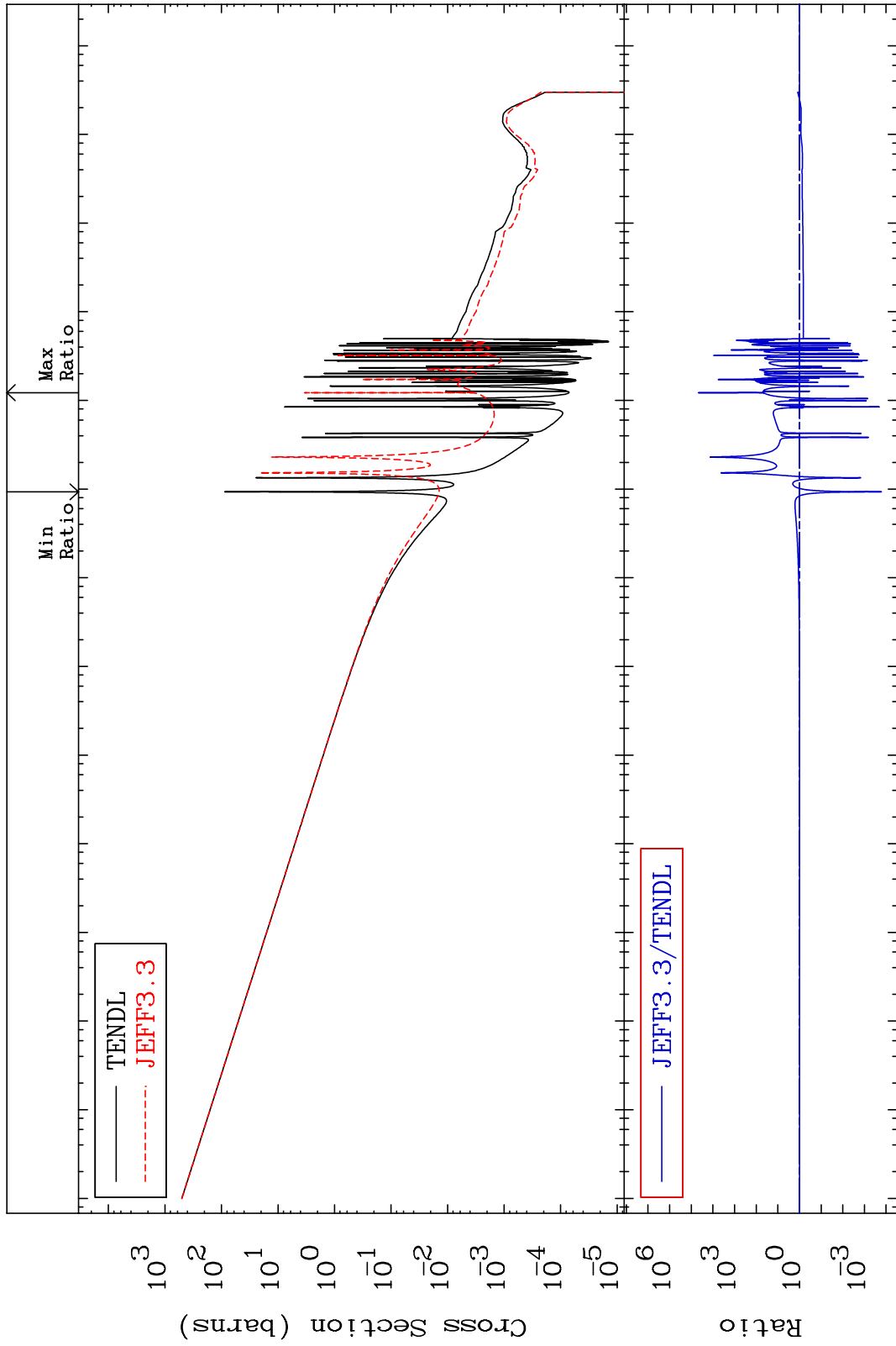
MAT 1728

(n, γ)

17-Cl-36

Cross Section

-99.98 To 9999. %



47

Incident Energy (eV)

17-Cl-36

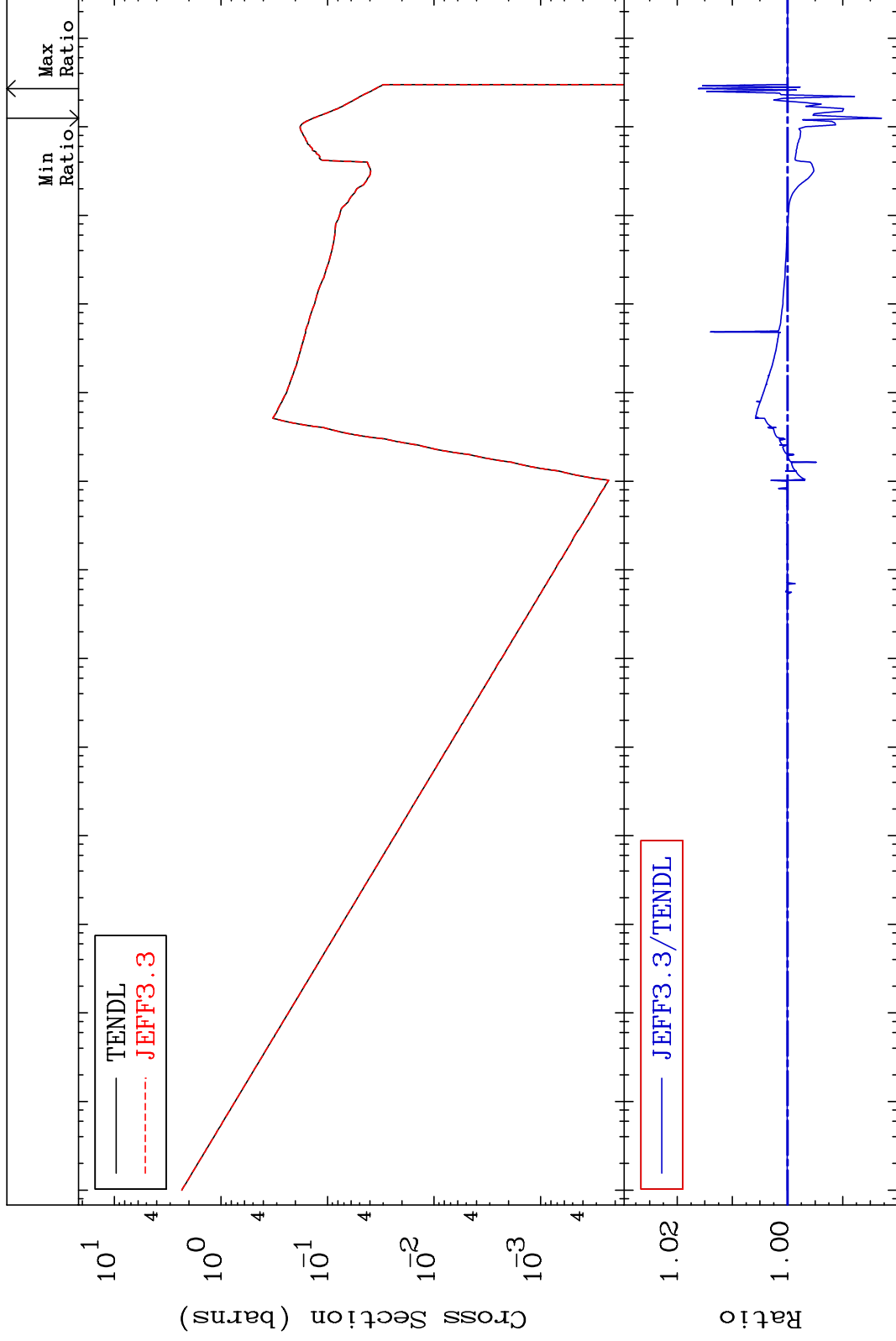
MAT 1728

(n,p)

17-Cl-36

Cross Section

-1.704 To 1.617 %

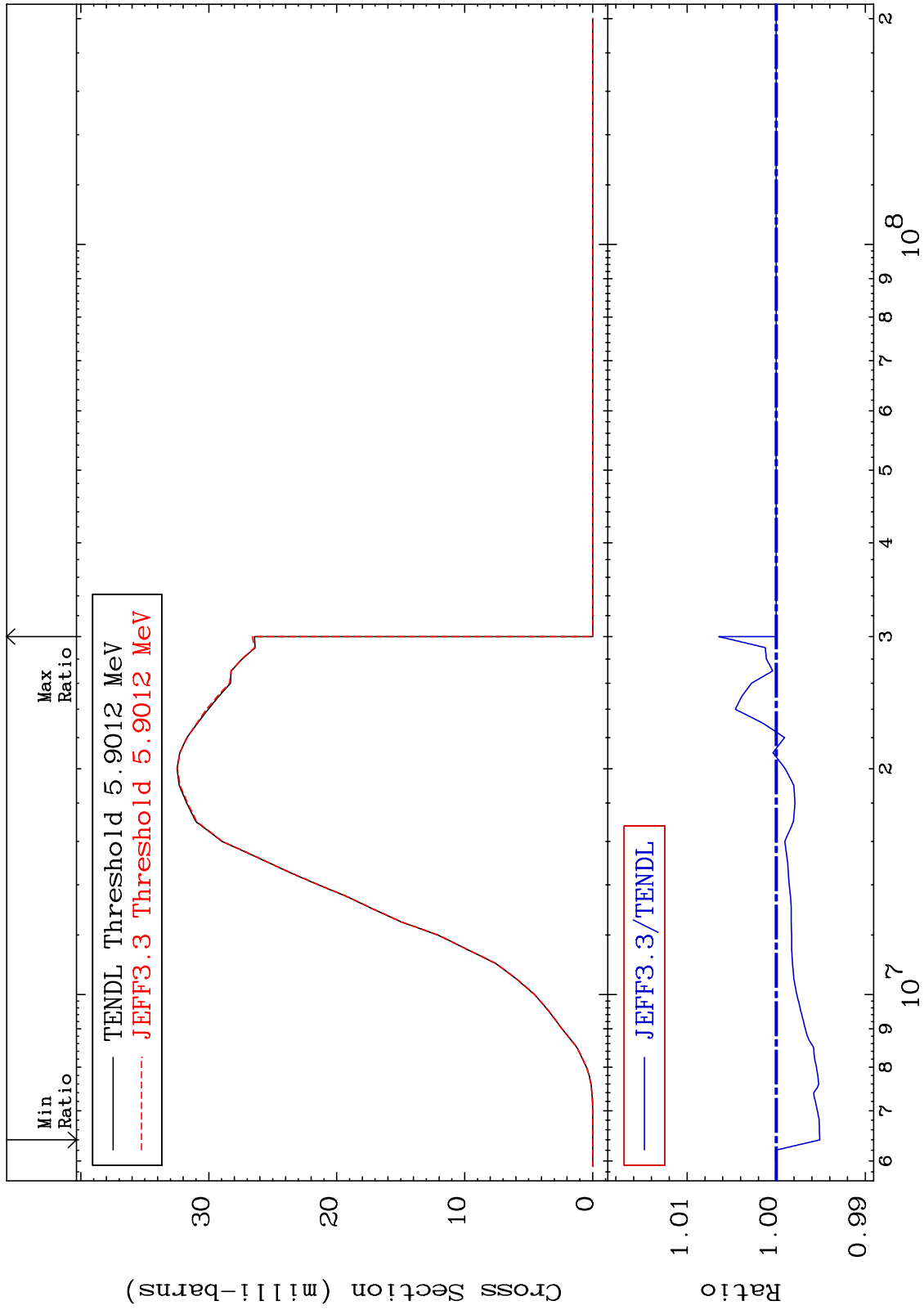


Incident Energy (eV)

17-Cl-36

48

MAT 1728 (n,d) 17-Cl-36
Cross Section -0.488 To 0.646 %



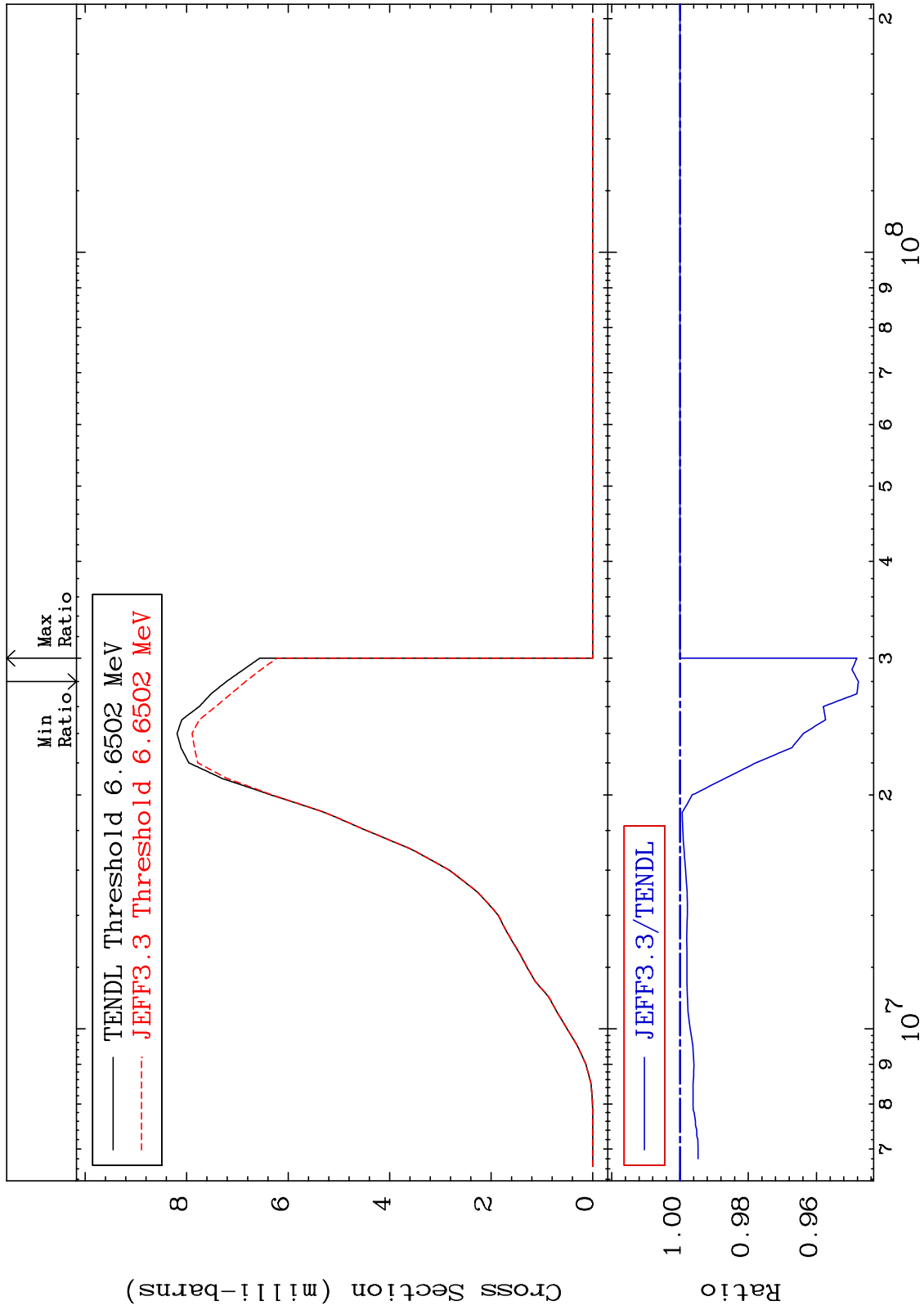
MAT 1728

(n, t)

17-Cl-36

Cross Section

-5.228 To 0.000 %



50

Incident Energy (eV)

17-Cl-36

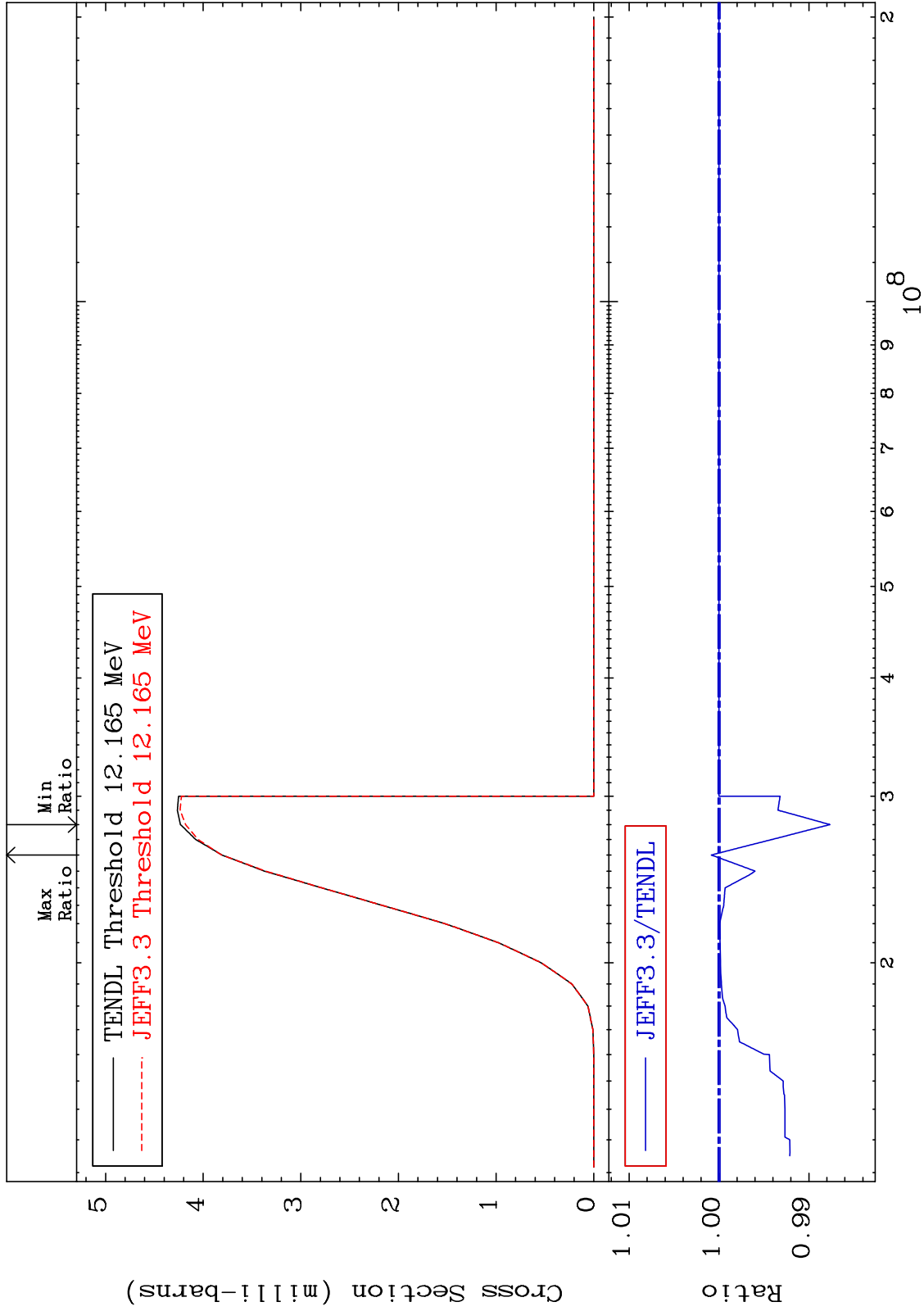
MAT 1728

(n, He-3)

17-Cl-36

Cross Section

-1.233 To 0.086 %



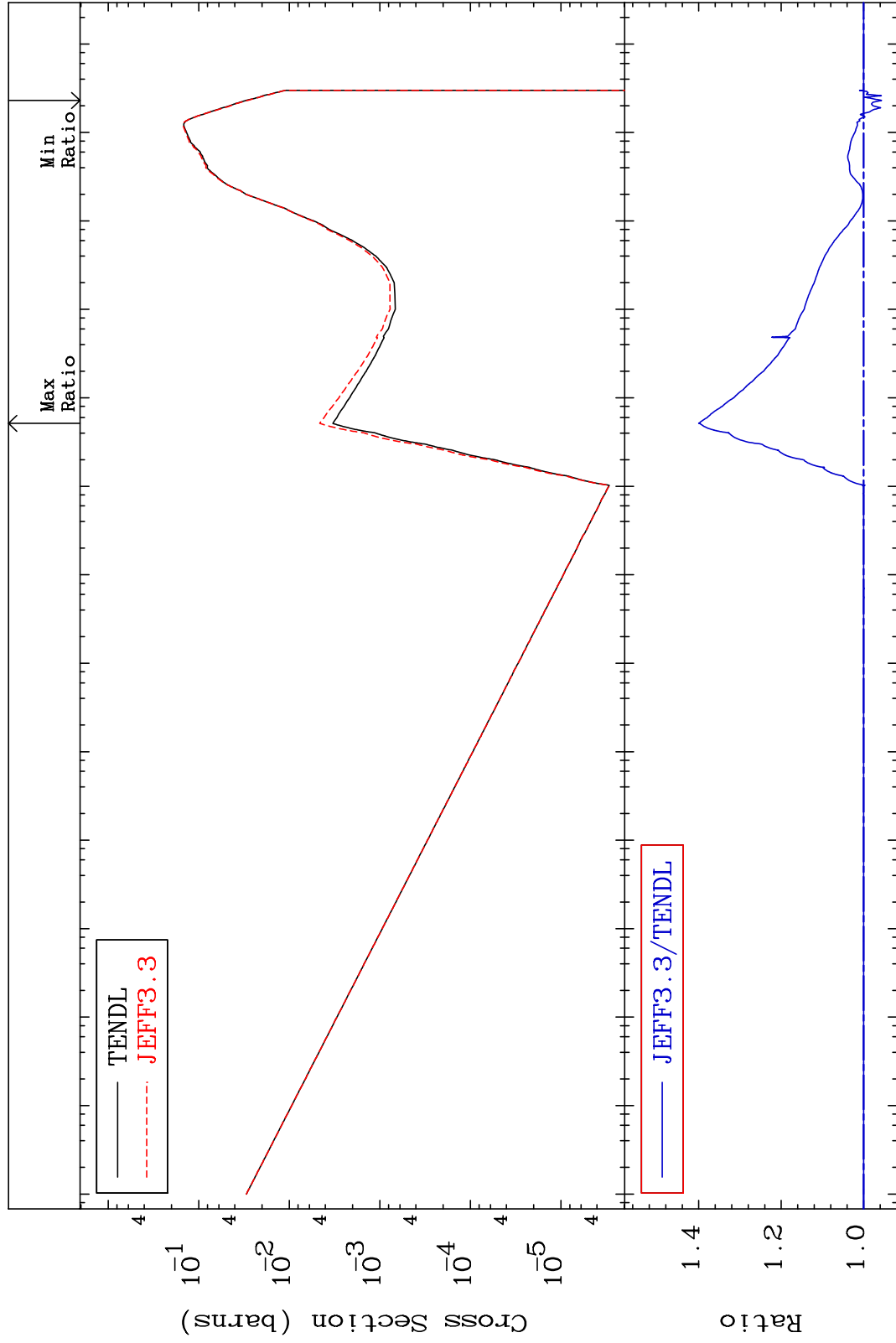
MAT 1728

(n, α)

17-Cl-36

Cross Section

-4.343 To 40.01 %



52

Incident Energy (eV)

17-Cl-36

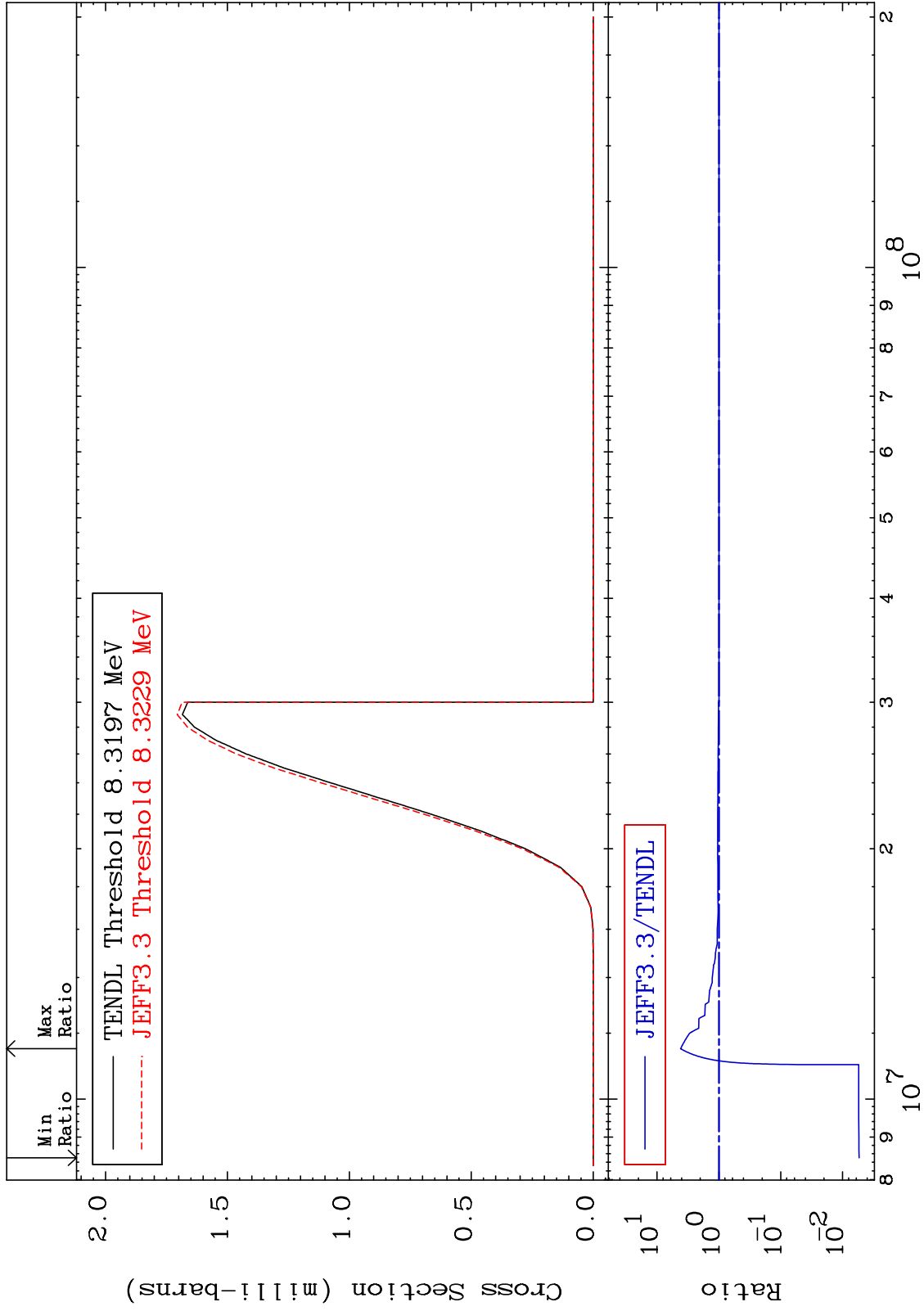
MAT 1728

(n, 2α)

17-Cl-36

Cross Section

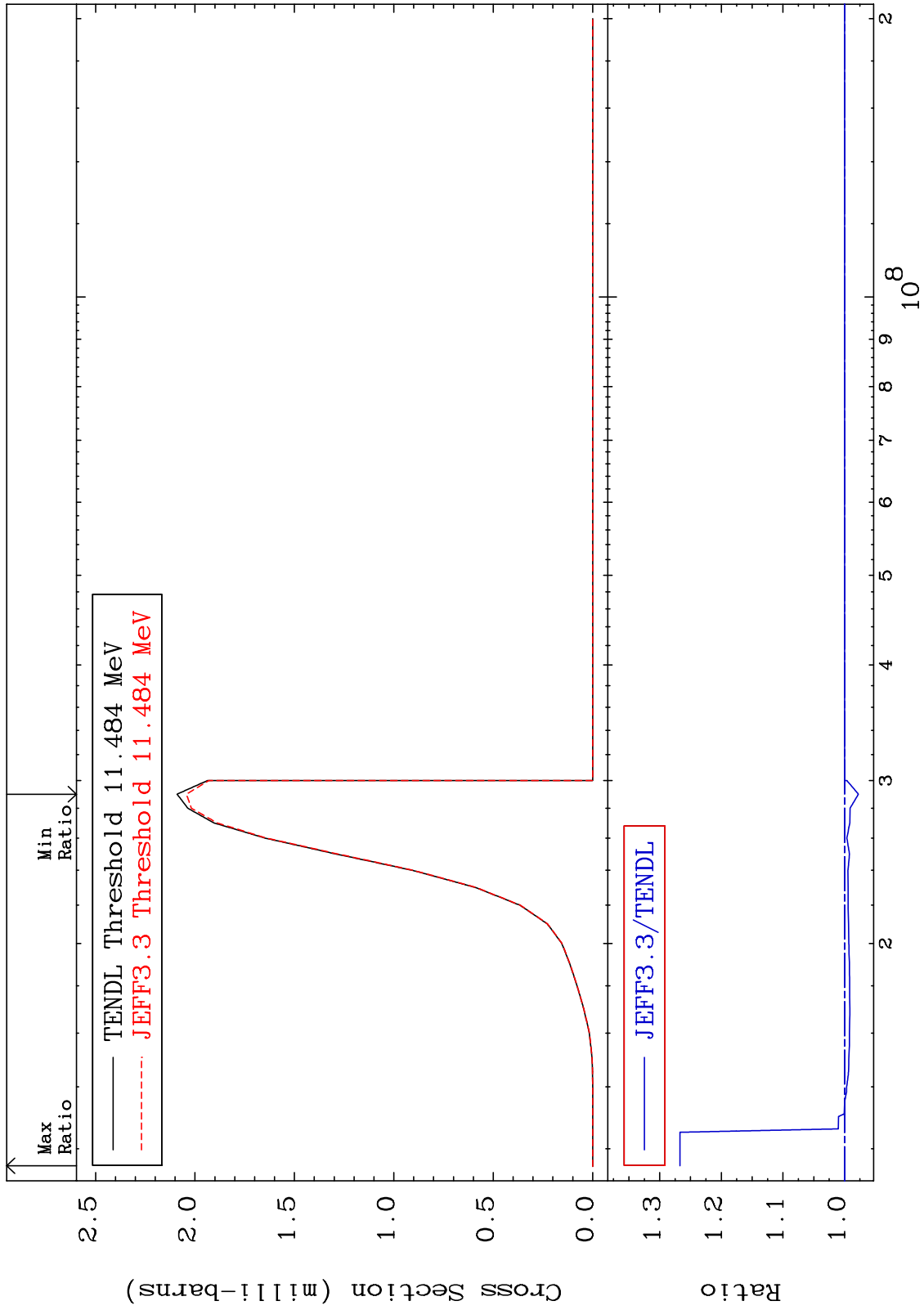
-99.46 To 315.2 %



53

Incident Energy (eV)

17-Cl-36



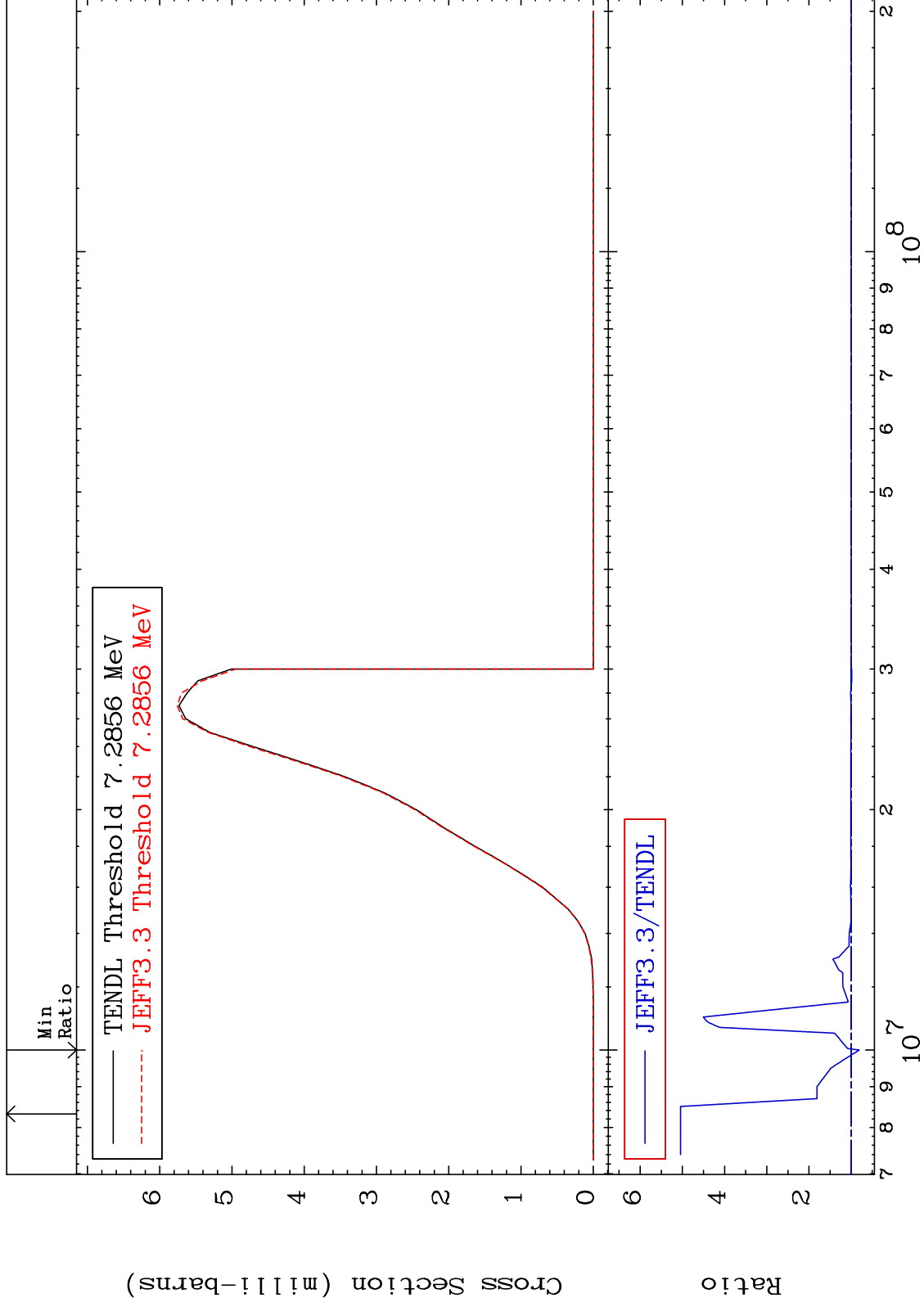
MAT 1728

(n,p) α

17-Cl-36

Cross Section

-18.89 To 404.1 %



55

17-Cl-36

17-Cl-36

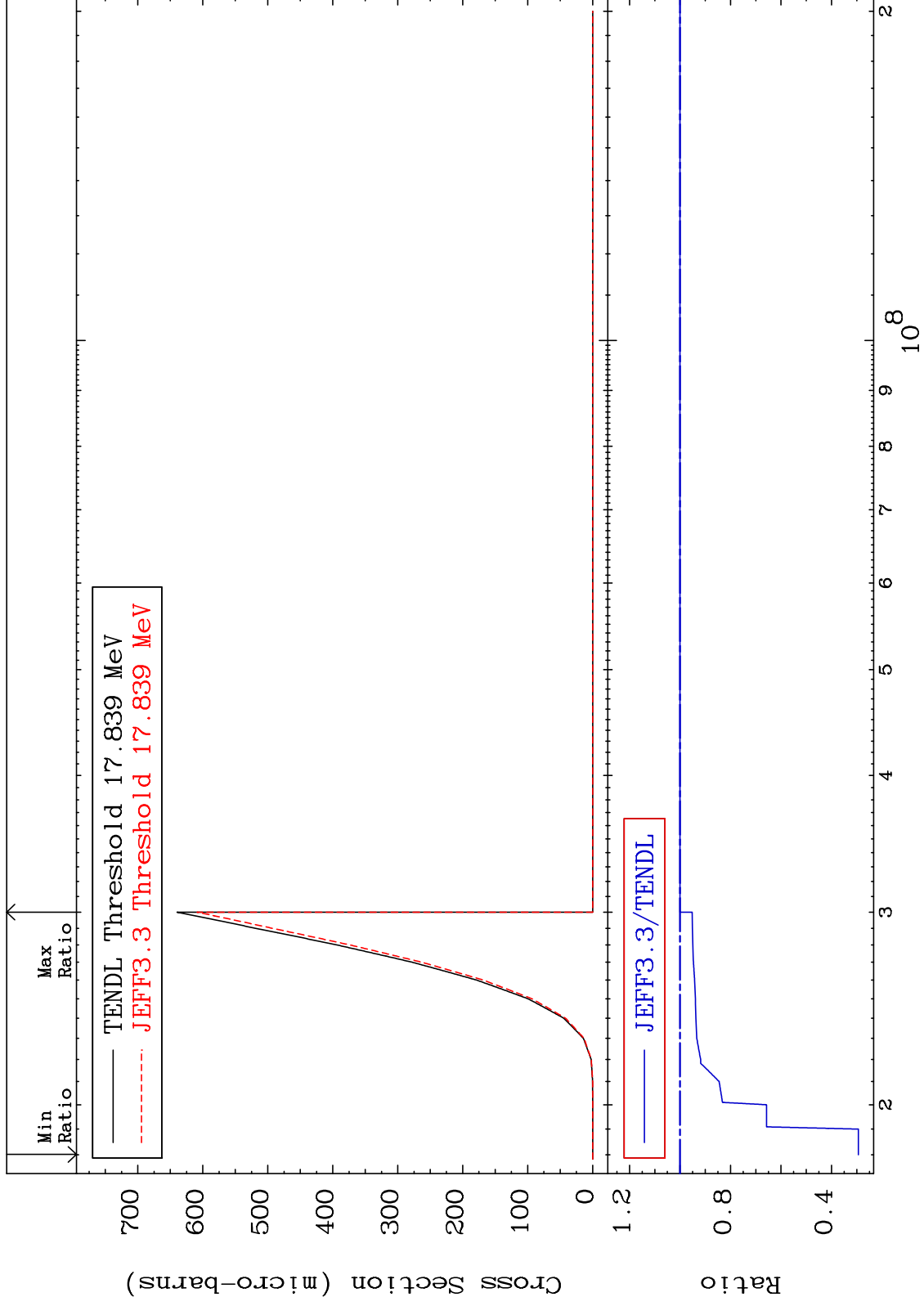
MAT 1728

(n,p) t

17-Cl-36

Cross Section

-70.65 To 0.000 %



57

Incident Energy (eV)

17-Cl-36

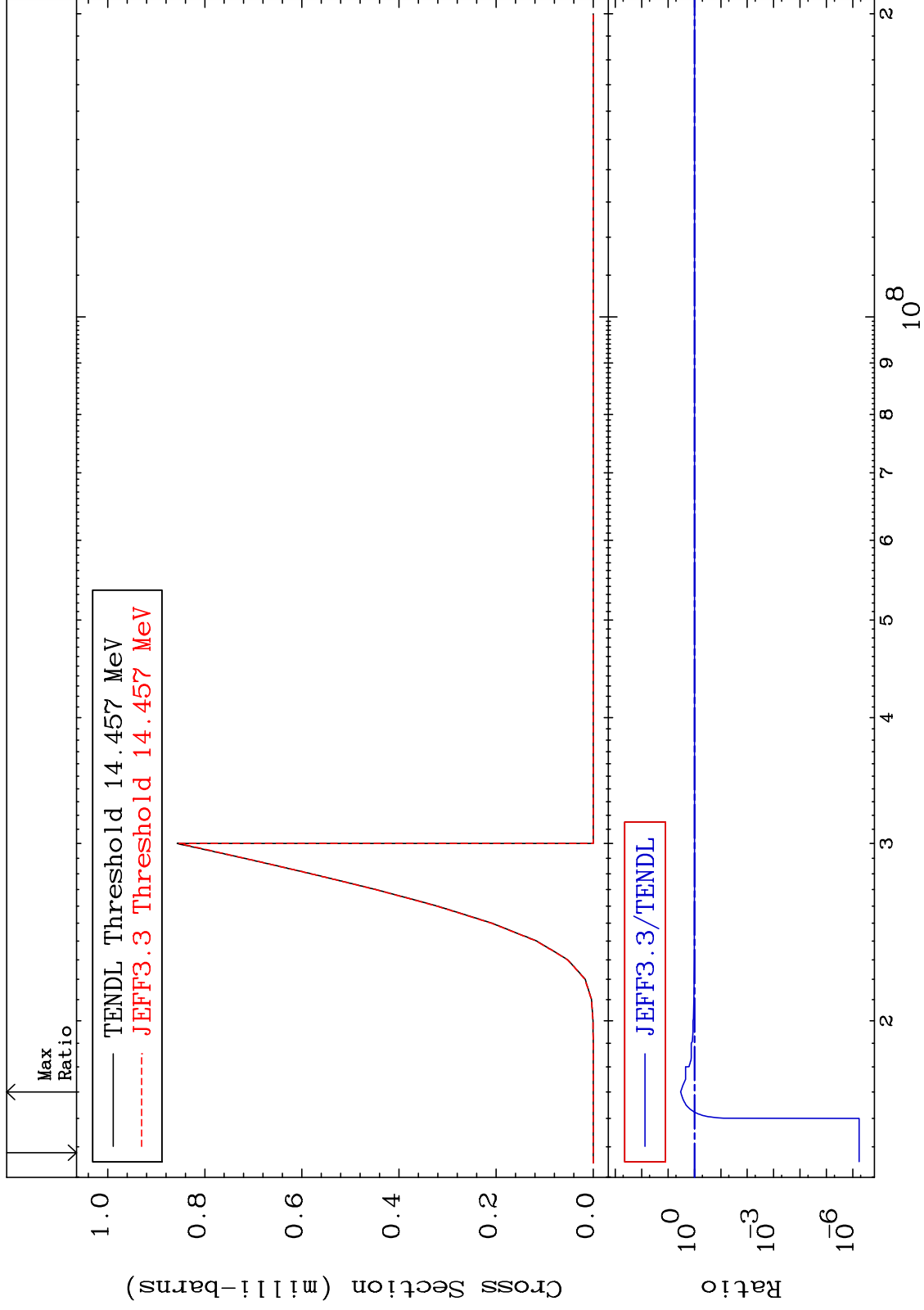
MAT 1728

(n,d) α

17-Cl-36

Cross Section

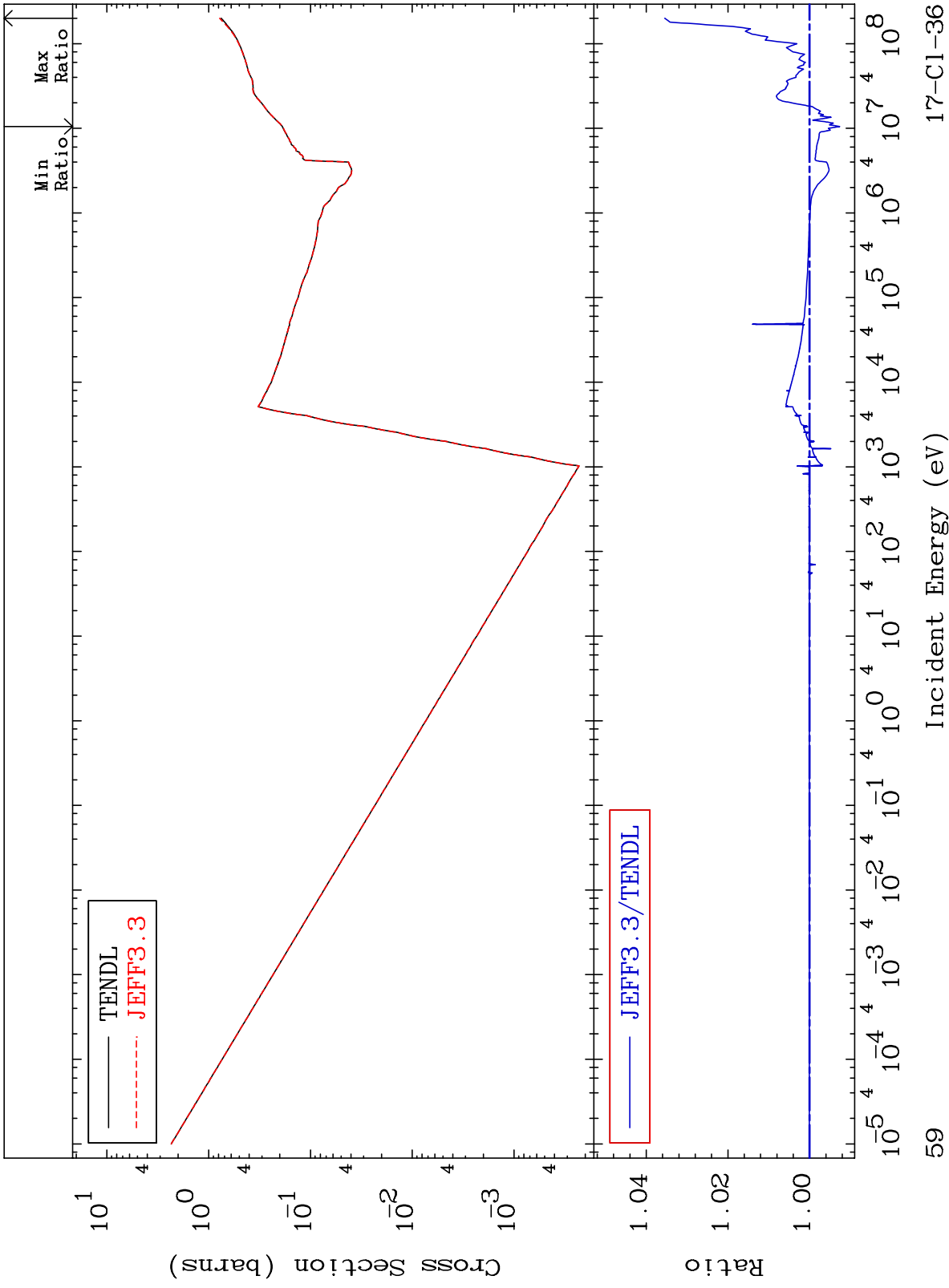
-100.0 To 234.1 %



MAT 1728

Hydrogen Production
Cross Section

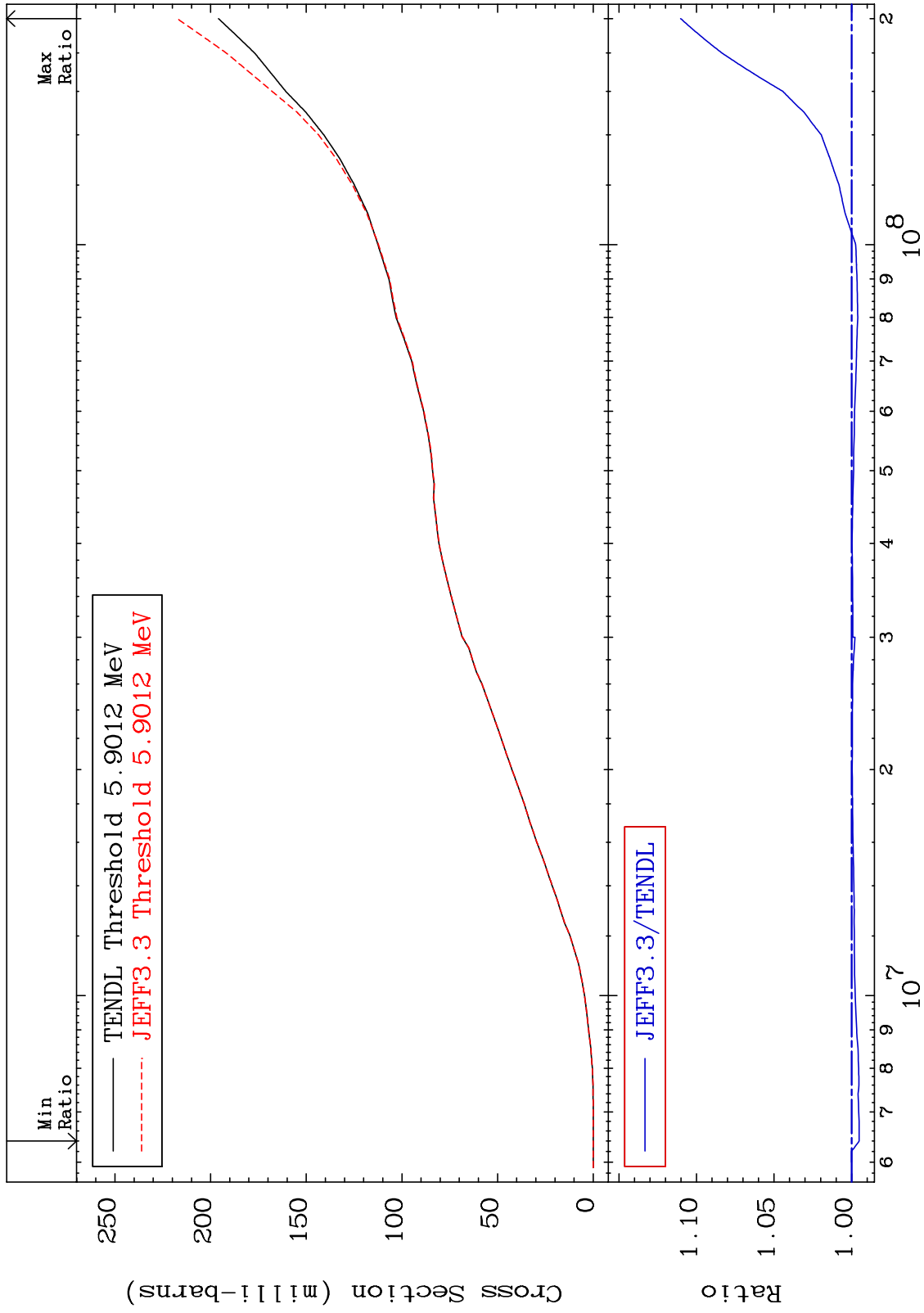
17-Cl-36
-0.738 To 3.547 %



MAT 1728

Deuterium Production
Cross Section

17-Cl-36
-0.488 To 11.03 %



60

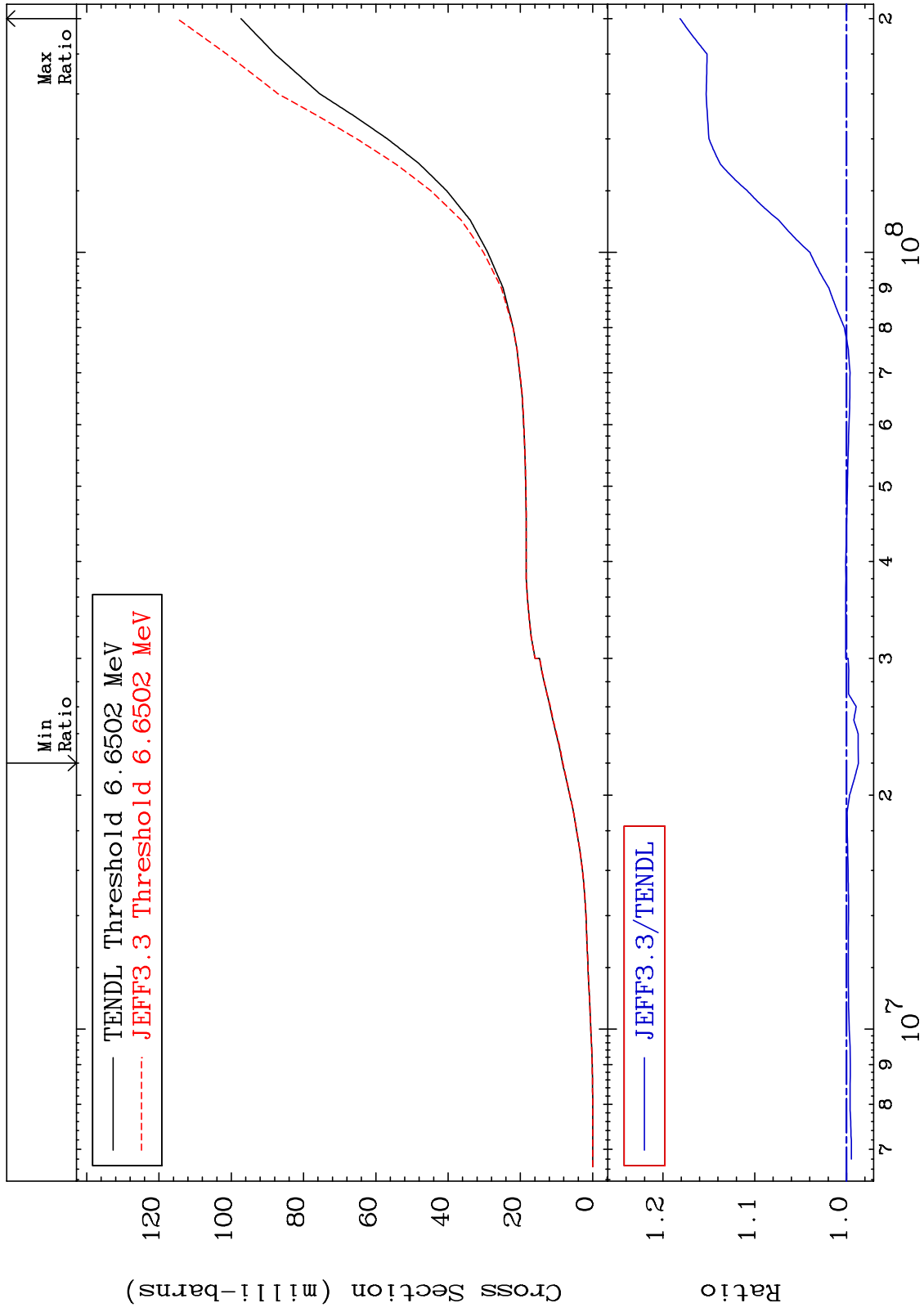
Incident Energy (eV)

17-Cl-36

MAT 1728

Tritium Production
Cross Section

17-Cl-36
-1.295 To 18.13 %



61

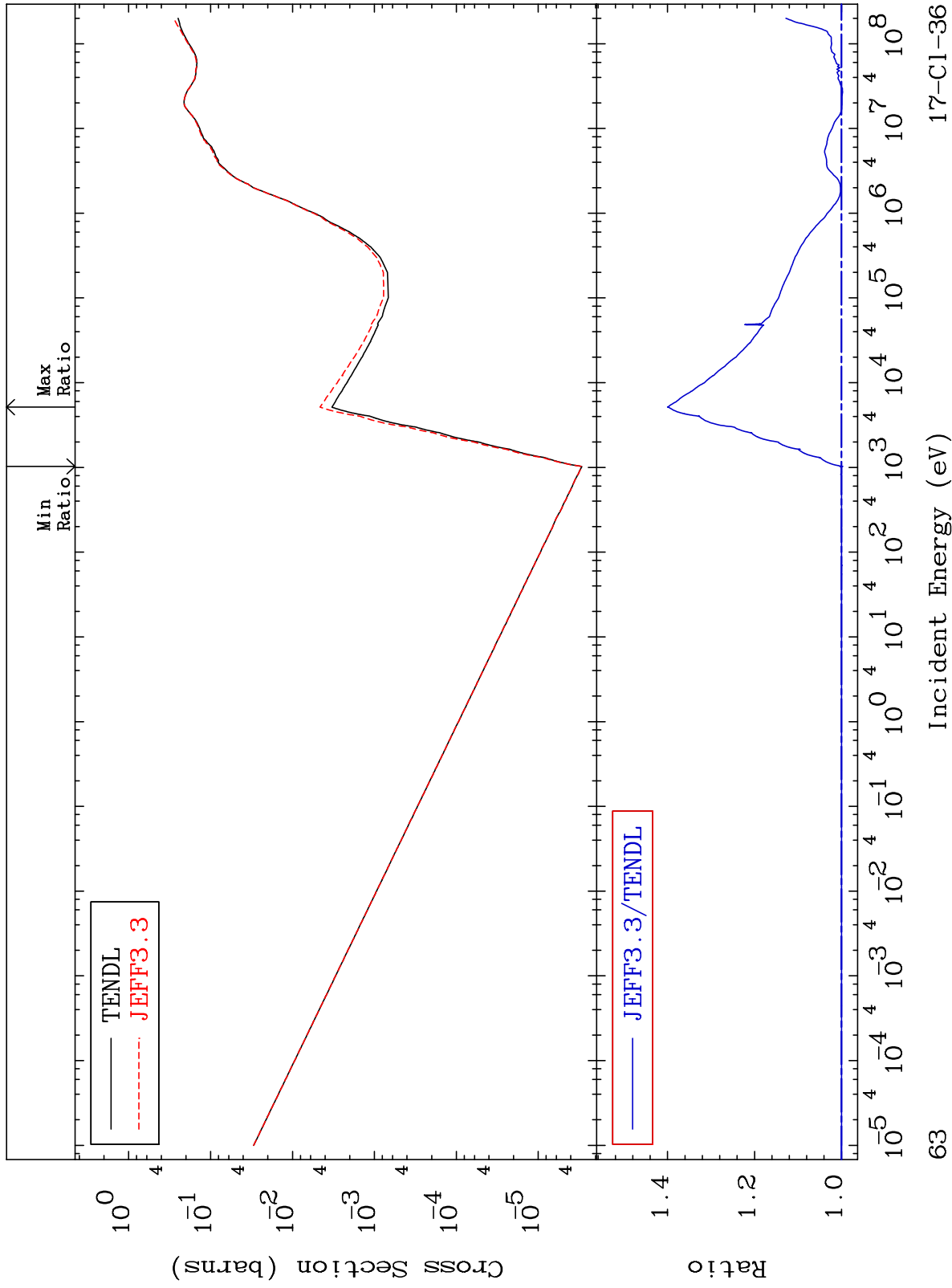
Incident Energy (eV)

17-Cl-36

MAT 1728

He-4 Production
Cross Section

17-Cl-36
-0.277 To 40.01 %



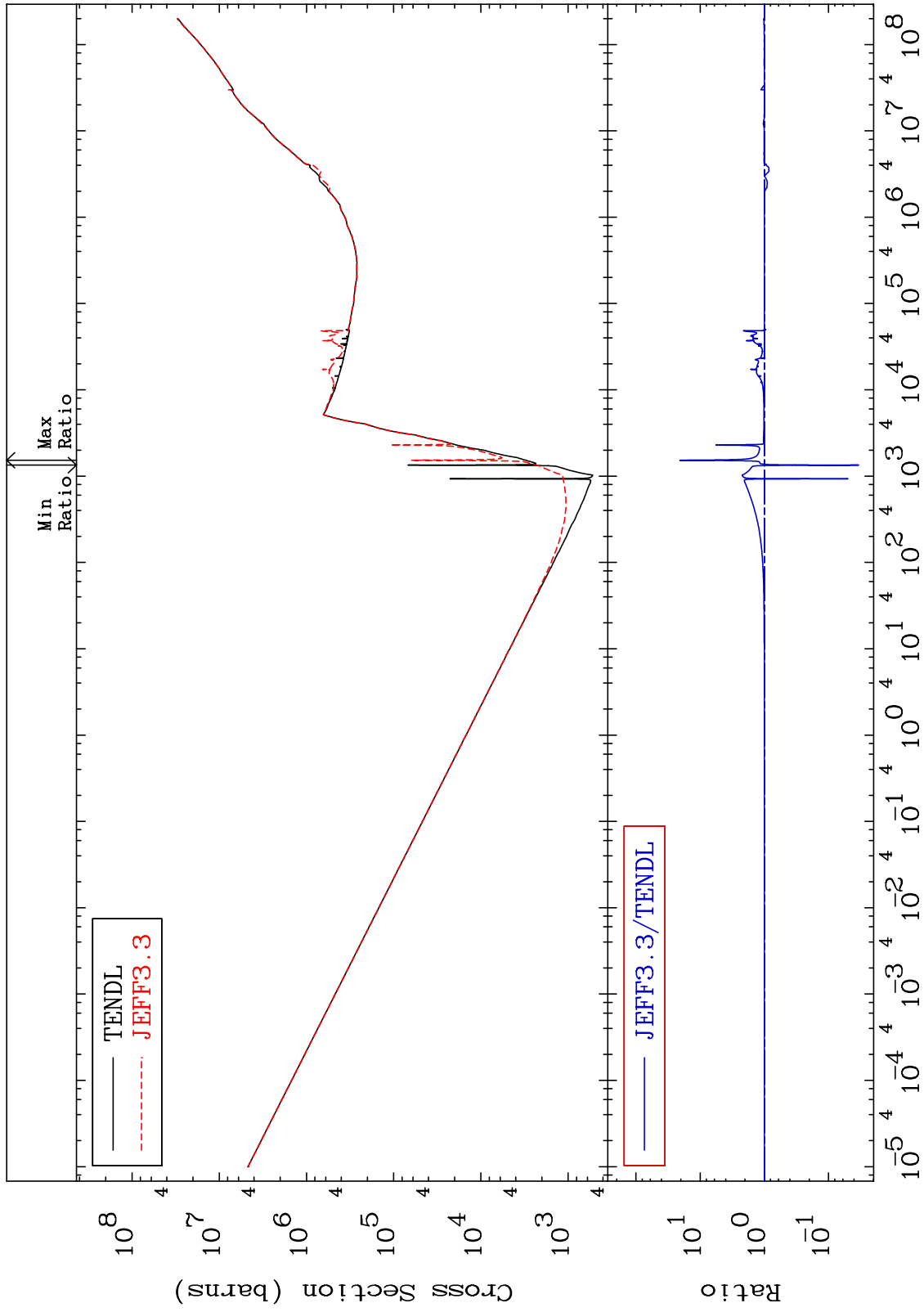
63

17-Cl-36

MAT 1728

Kerma total (eV-barns)
Cross Section

17-Cl-36
-96.57 To 1958. %



64

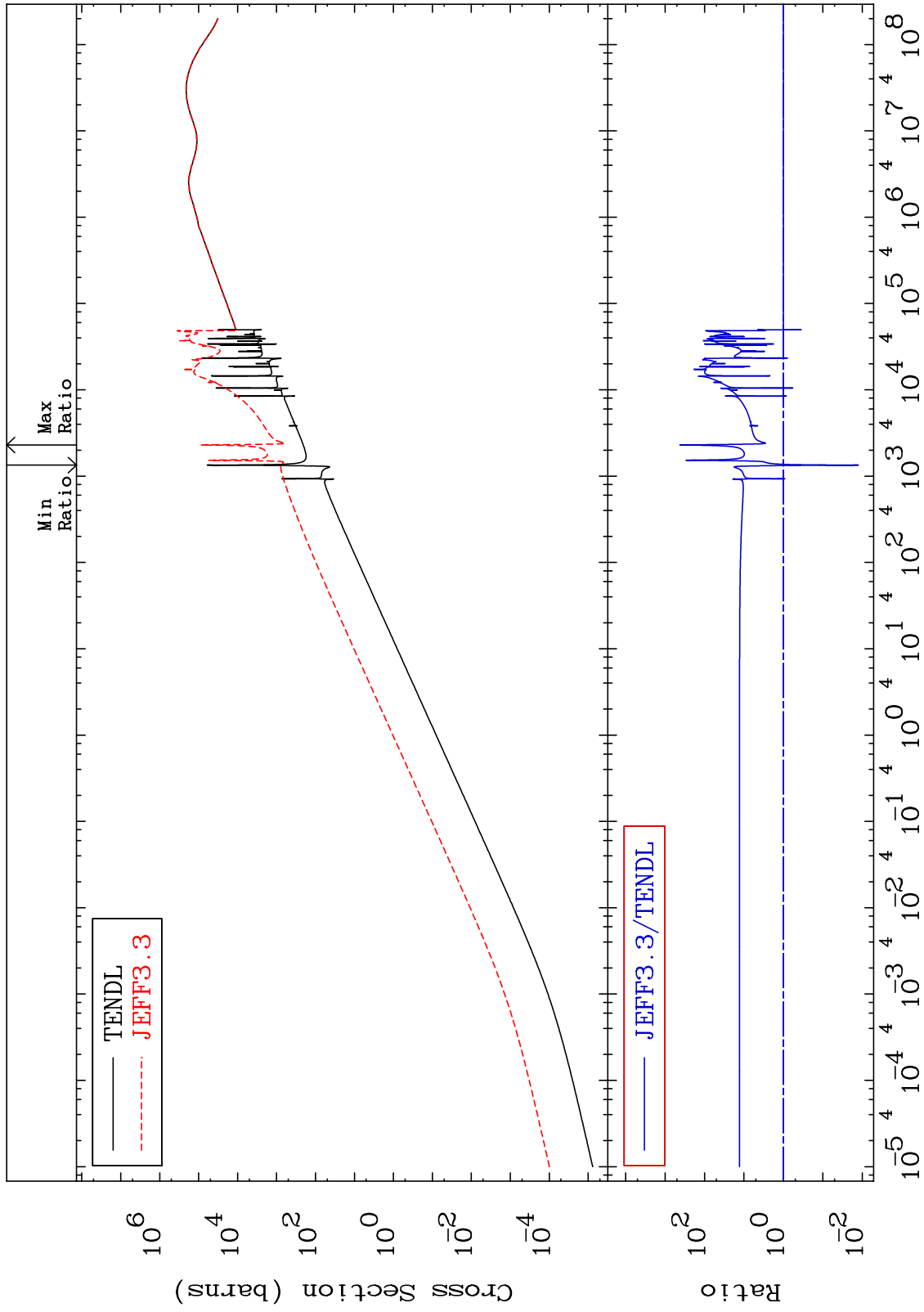
Incident Energy (eV)

17-Cl-36

MAT 1728

Kerma elastic
Cross Section

17-Cl-36
-98.75 To 9999. %



65

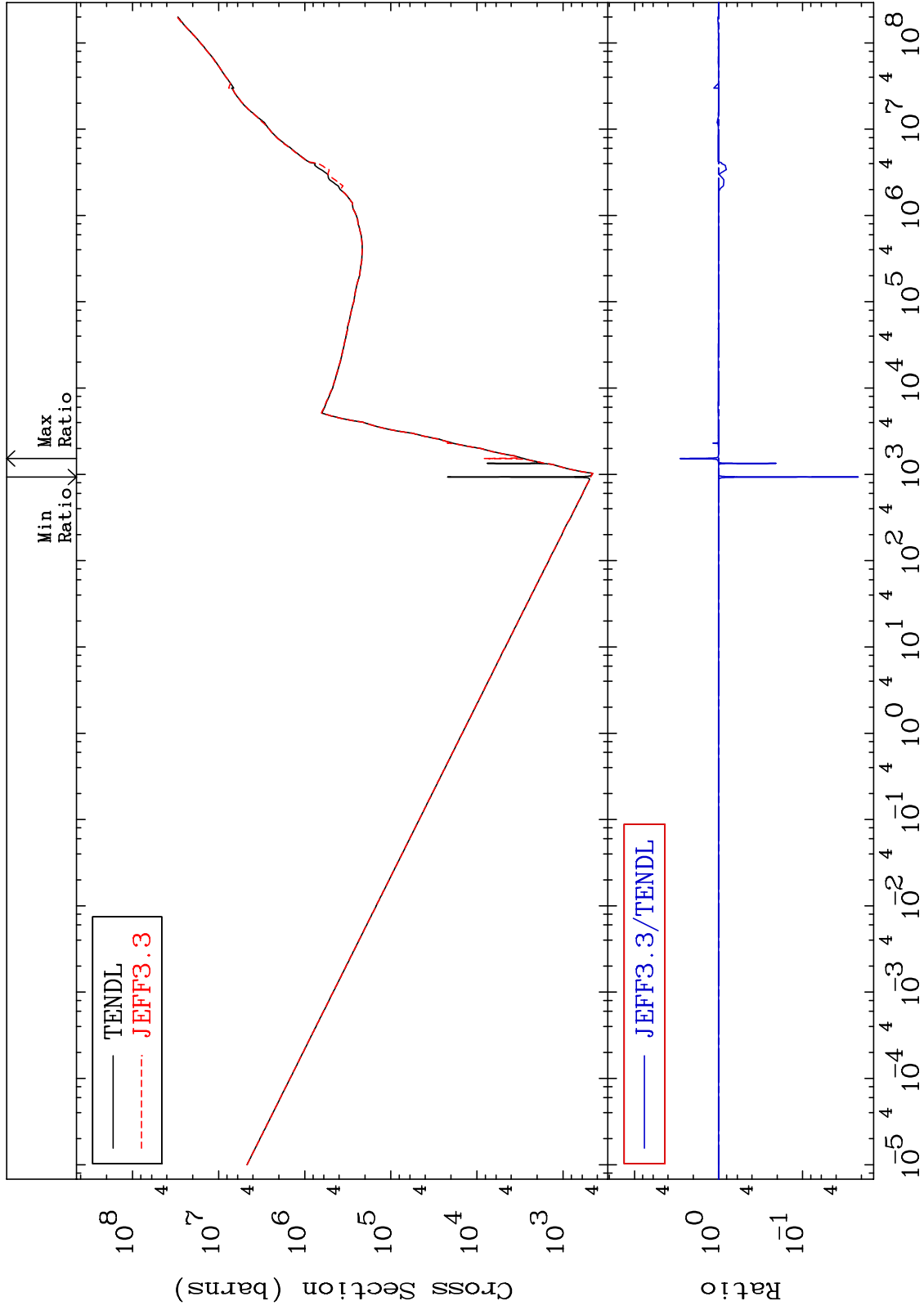
Incident Energy (eV)

17-Cl-36

MAT 1728

Kerma non-elastic (all but mt2)
Cross Section

17-Cl-36
-97.83 To 187.7 %



66

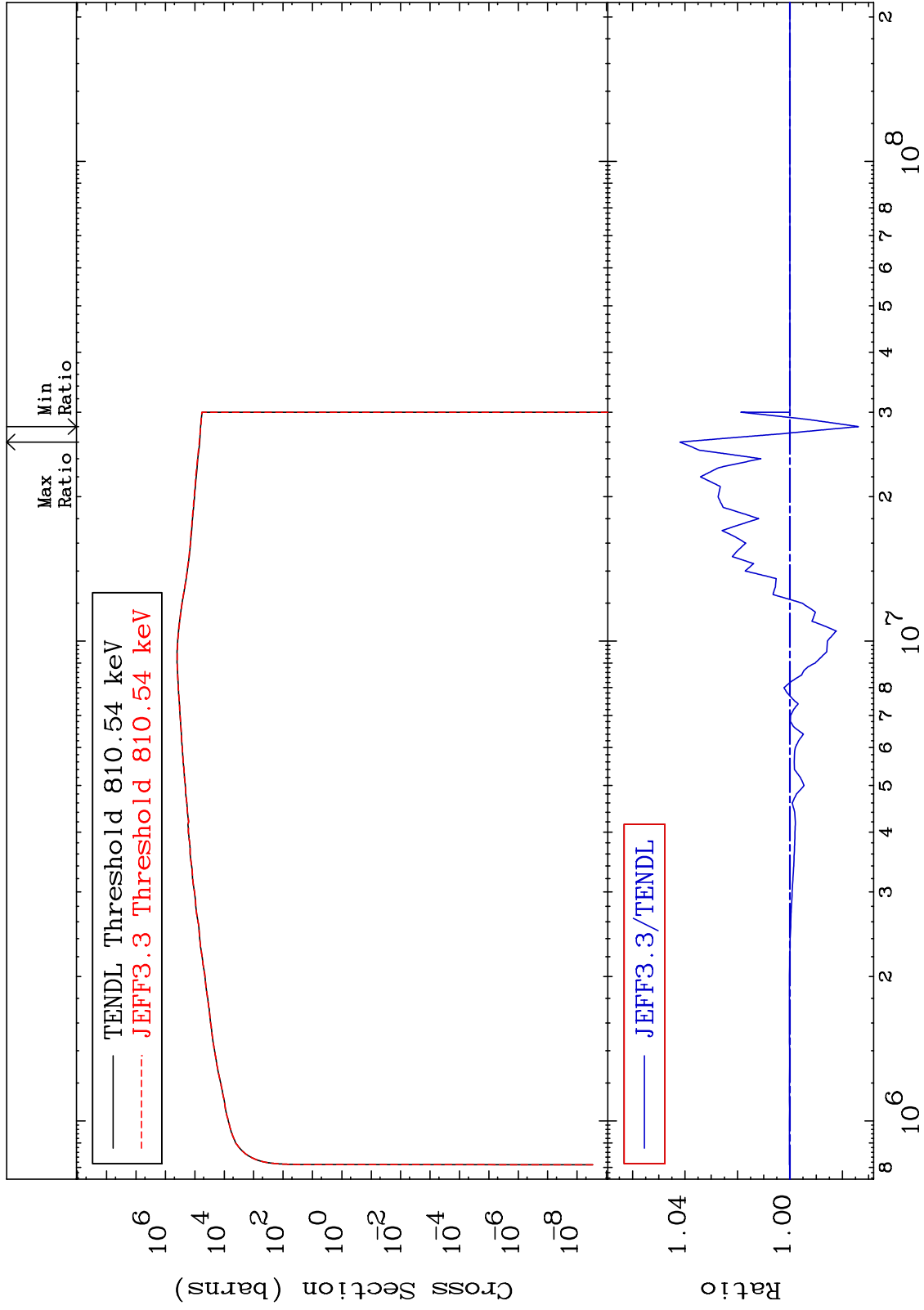
Incident Energy (eV)

17-Cl-36

MAT 1728

Kerma inelastic (mt51-91)
Cross Section

17-Cl-36
-2.610 To 4.189 %



67

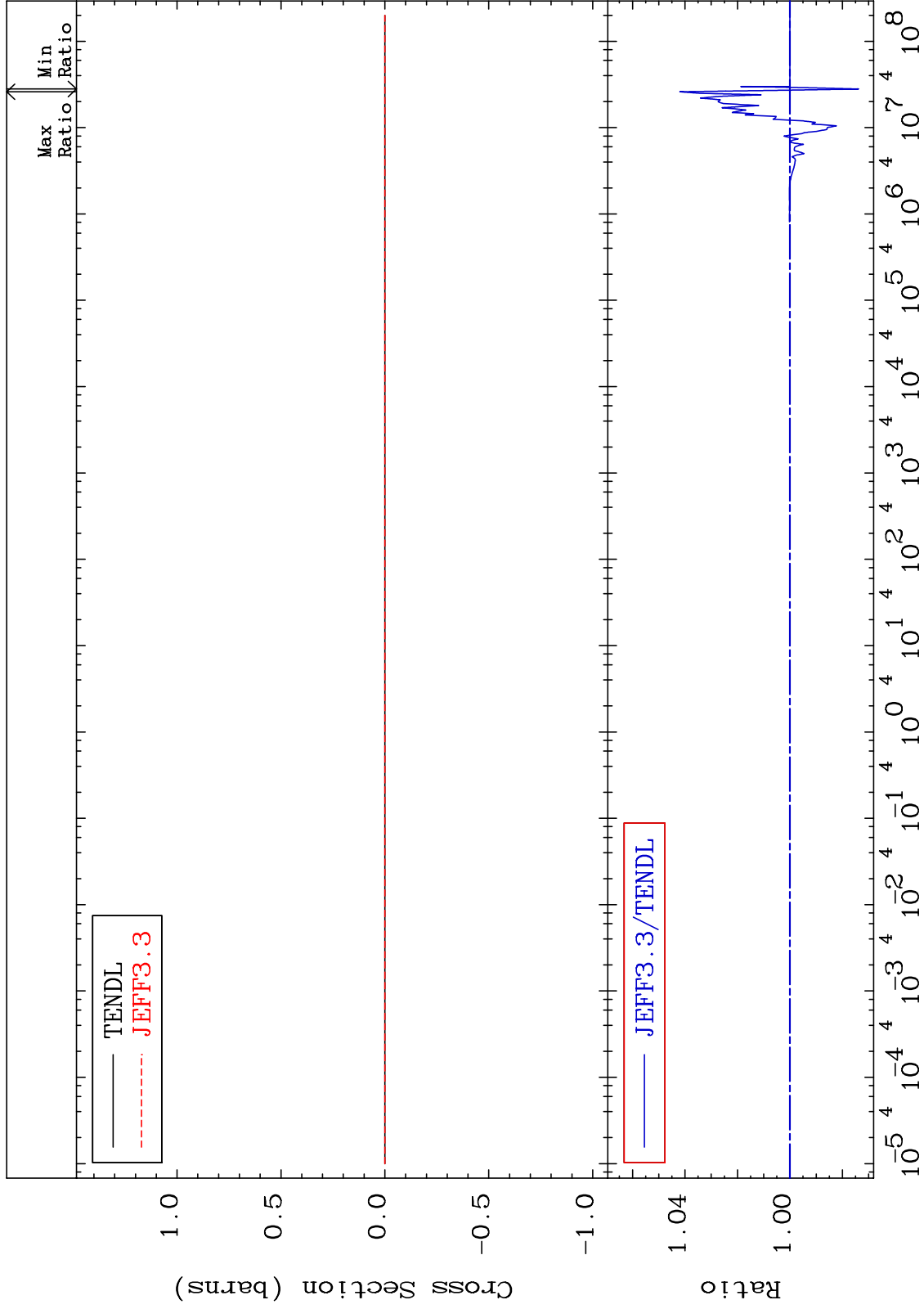
Incident Energy (eV)

17-Cl-36

MAT 1728

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

17-CI-36
-2.610 To 4.189 %



68

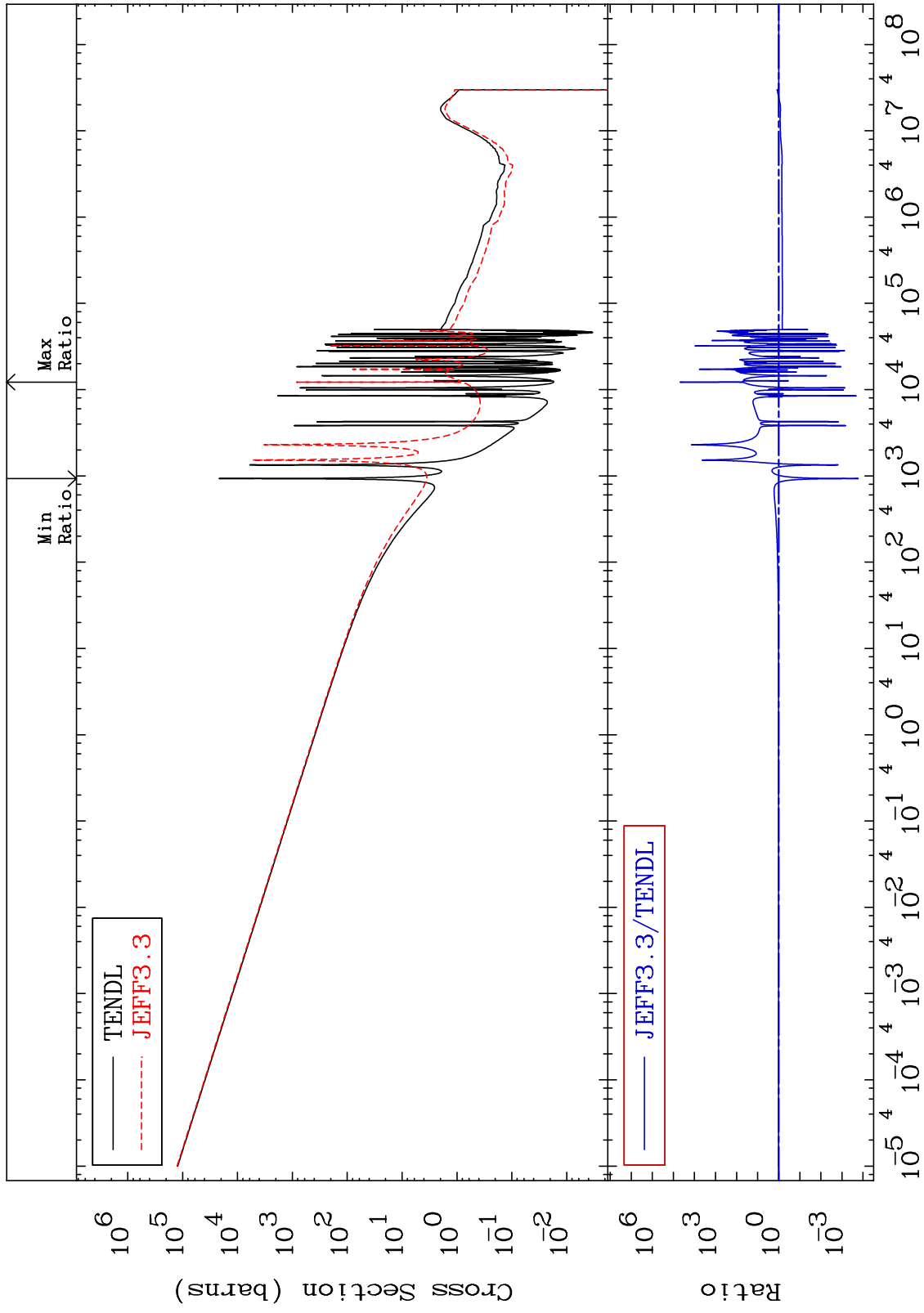
Incident Energy (eV)

17-CI-36

MAT 1728

Kerma capture (mt102)
Cross Section

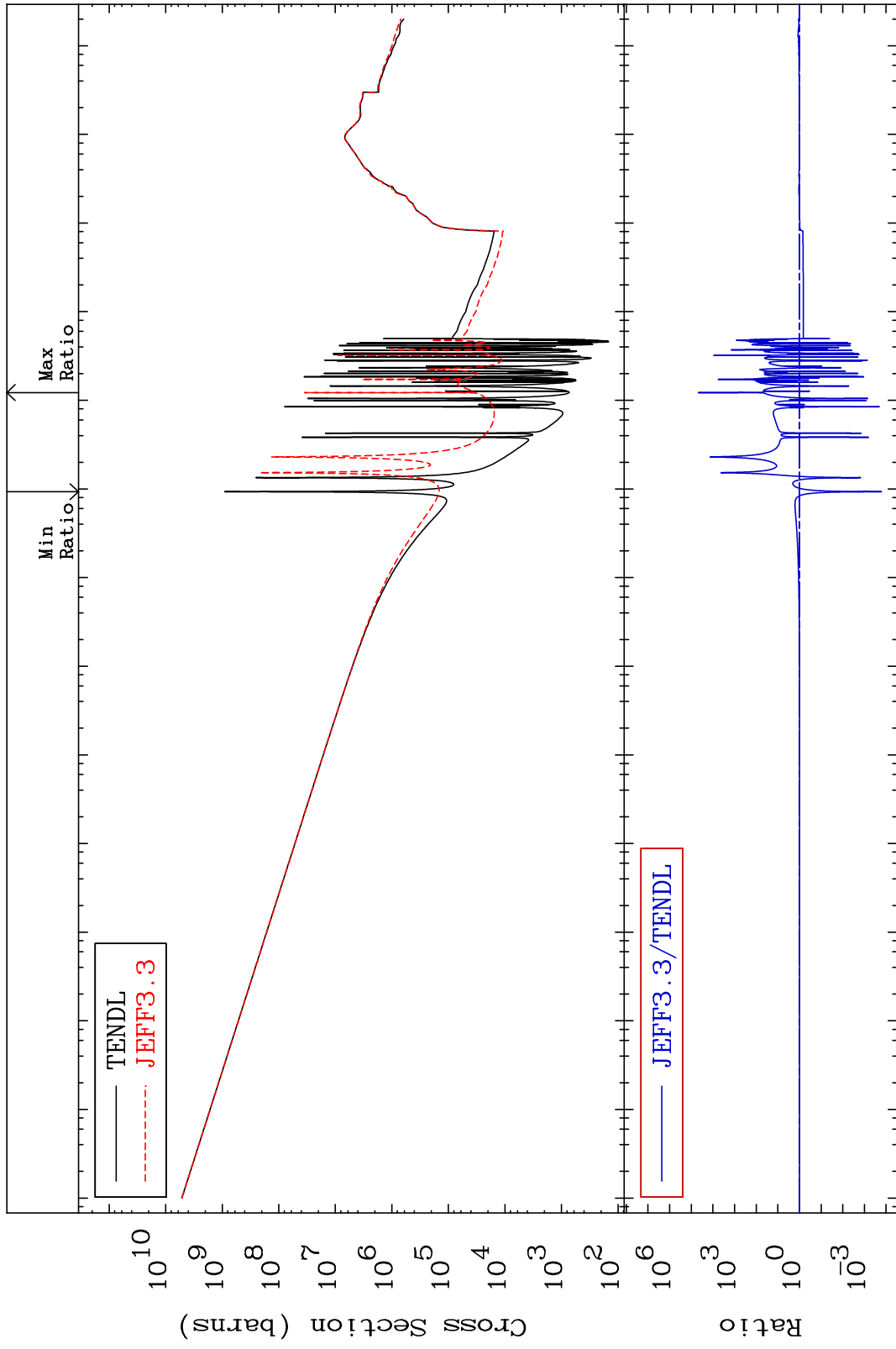
17-Cl-36
-99.98 To 9999. %



MAT 1728

Total photon (eV-barns)
Cross Section

17-Cl-36
-99.98 To 9999. %



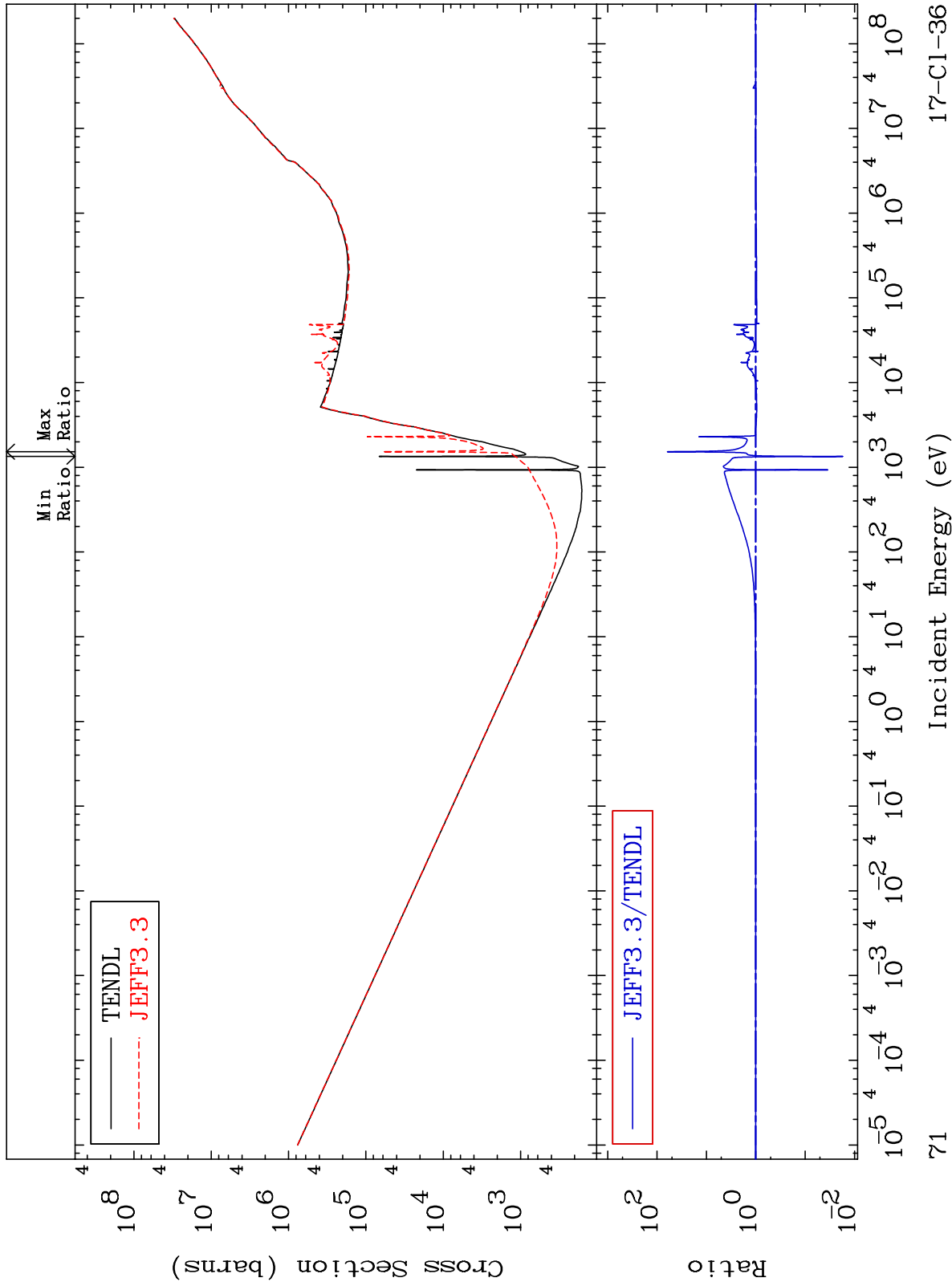
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 1728

Total kinematic kerma (high limit)
Cross Section

17-Cl-36
-98.26 To 6038. %



71

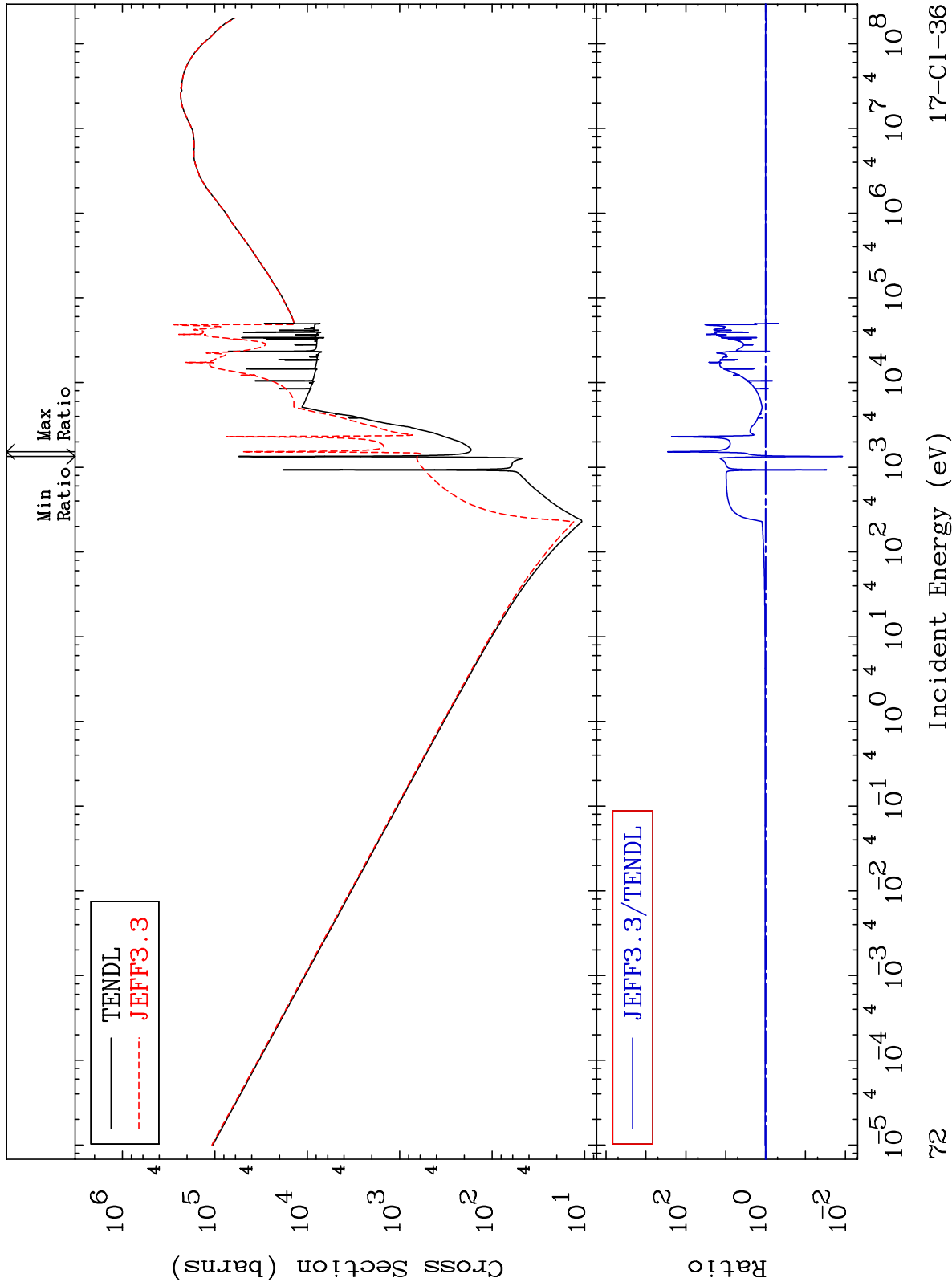
Incident Energy (eV)

17-Cl-36

MAT 1728

Dpa total (eV-barns)
Cross Section

17-Cl-36
-98.83 To 9999. %



72

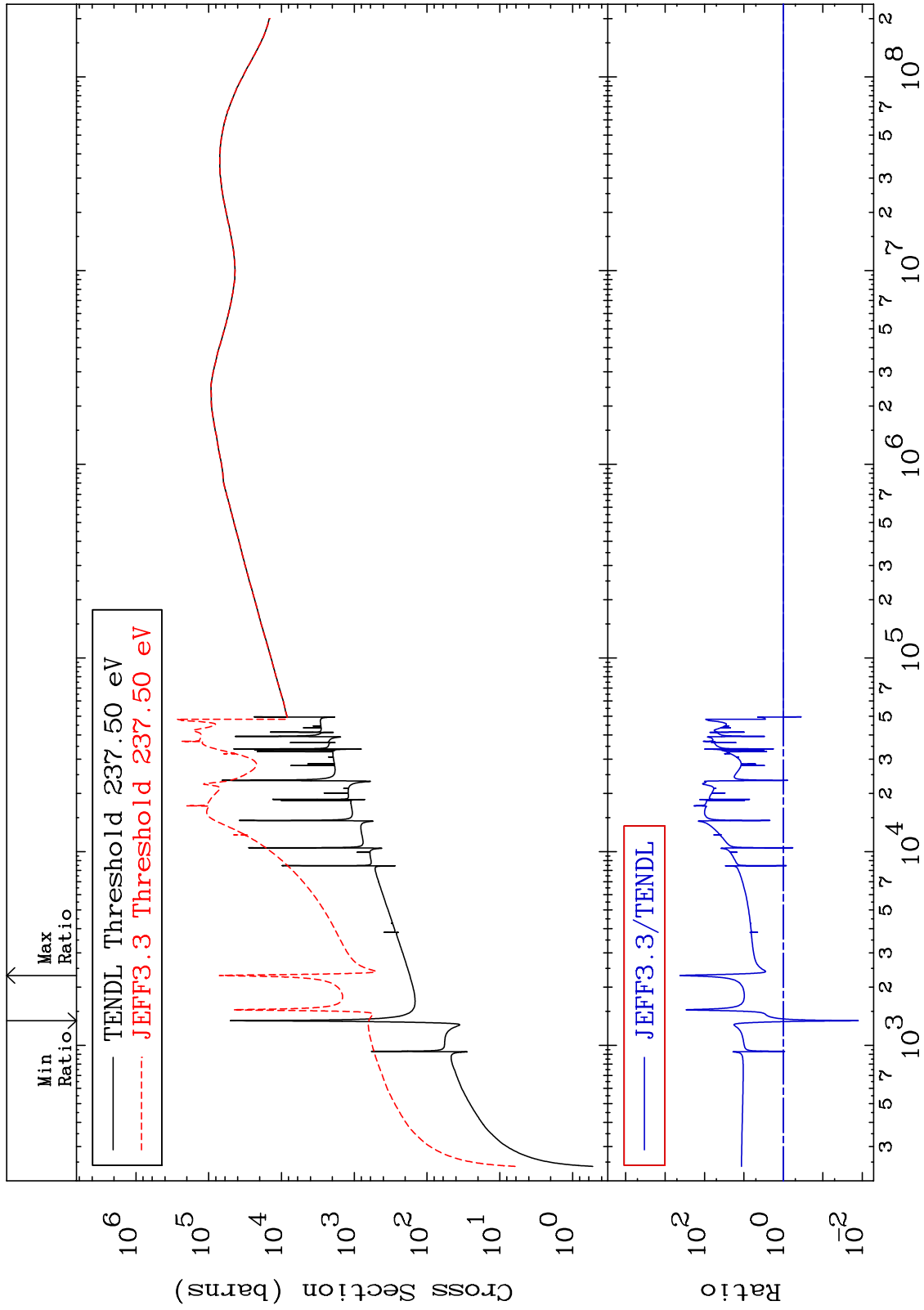
Incident Energy (eV)

17-Cl-36

MAT 1728

Dpa elastic (mt2)
Cross Section

17-CI-36
-98.75 To 9999. %



73

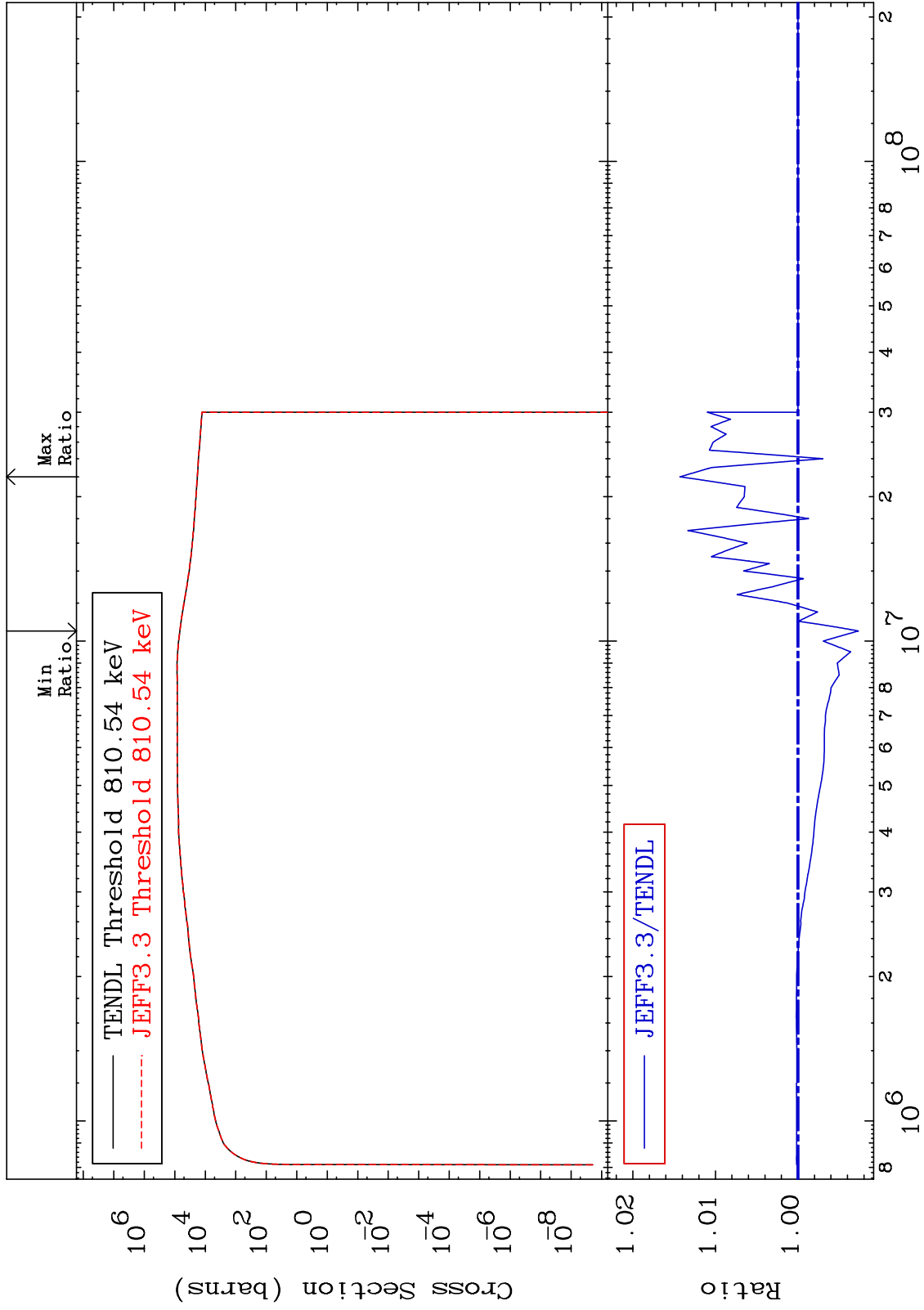
Incident Energy (eV)

17-CI-36

MAT 1728

Dpa inelastic (mt51-91)
Cross Section

17-Cl-36
-0.732 To 1.429 %



74

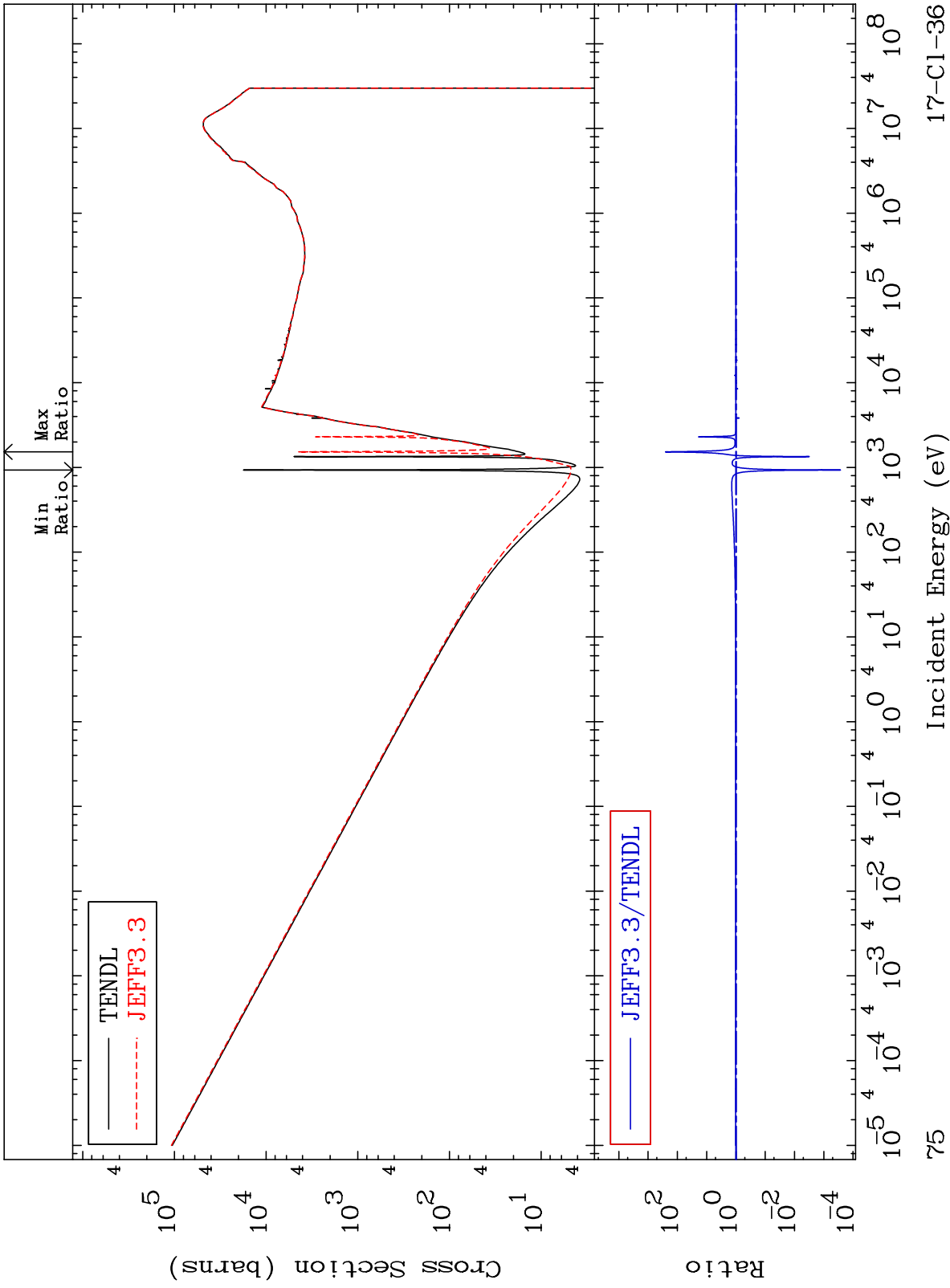
Incident Energy (eV)

17-Cl-36

MAT 1728

Dpa disappearance (mt102 -120)
Cross Section

17-CI-36
-99.97 To 9999. %



75

Incident Energy (eV)

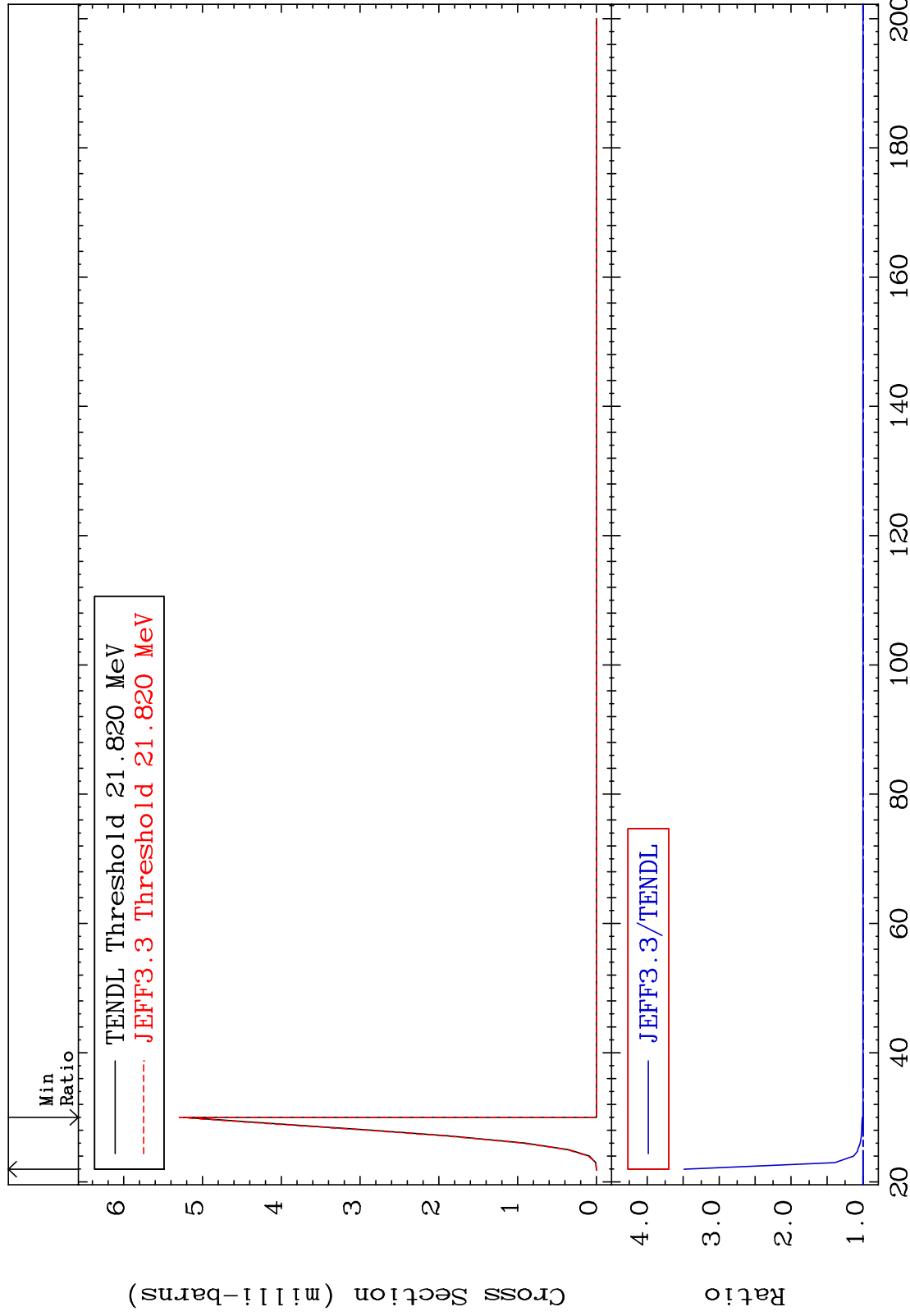
17-CI-36

MAT 1728

(n,3n) : 17-Cl-34g

17-Cl-36

Radionuclide Production Cross Section 0.000 To 248.8 %



76

Incident Energy (MeV)

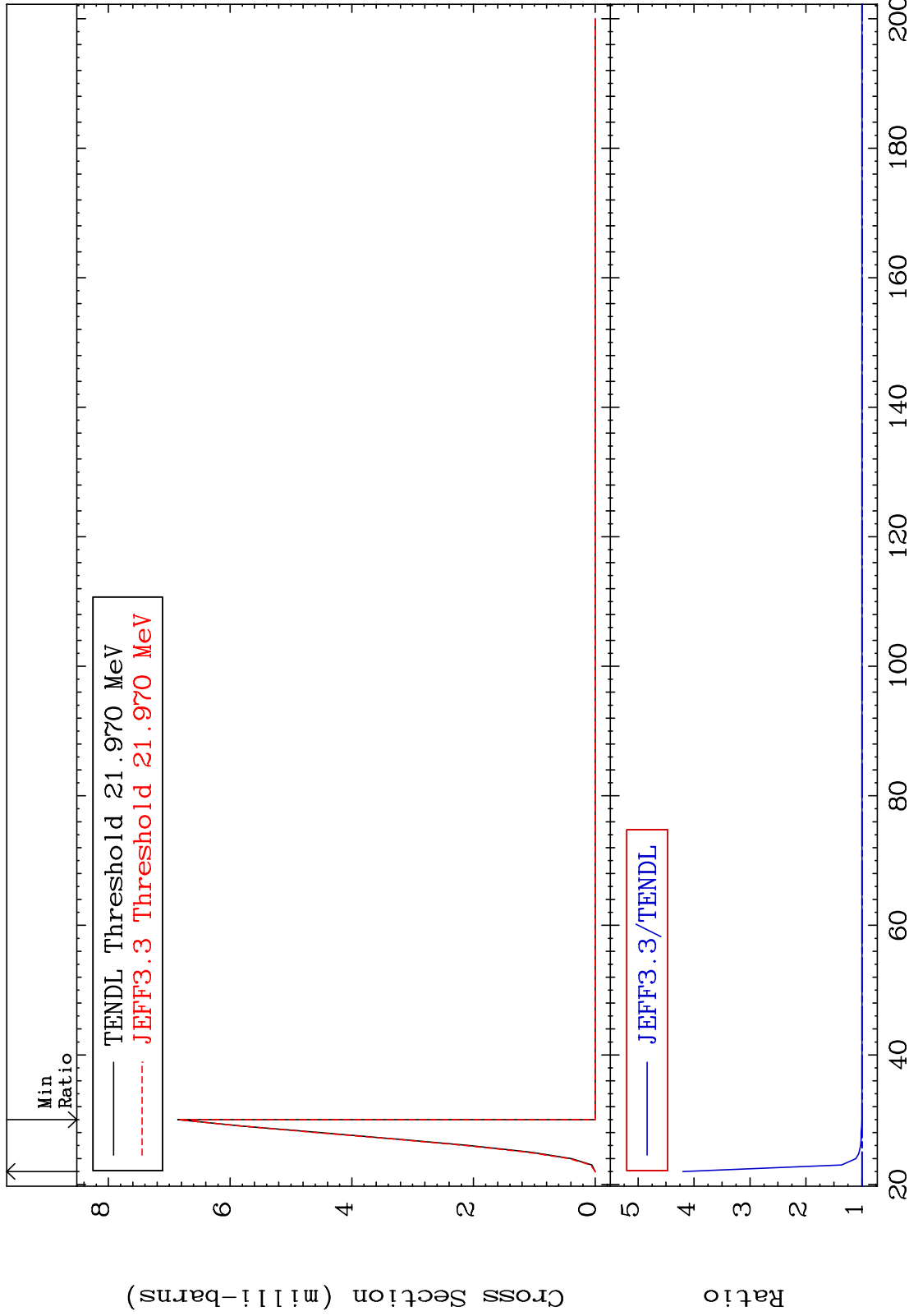
17-Cl-36

MAT 1728

(n,3n) : 17-Cl-34m1

17-Cl-36

Radionuclide Production Cross Section -0.187 To 319.9 %



77

17-Cl-36

17-Cl-36