

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

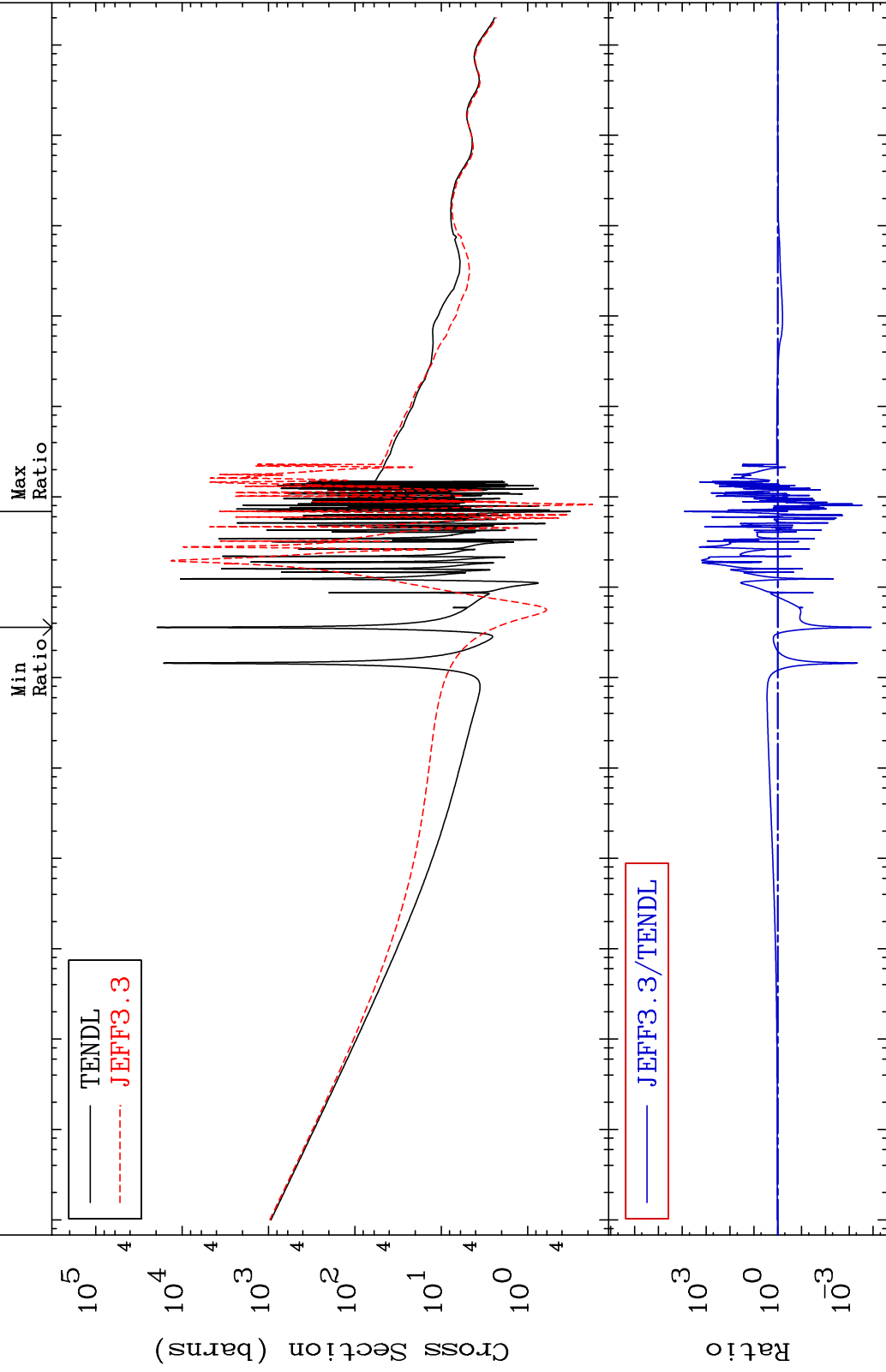
MAT 6231

Total

62-Sm-146

-99.99 To 9999. %

Cross Section



62-Sm-146

Incident Energy (eV)

1

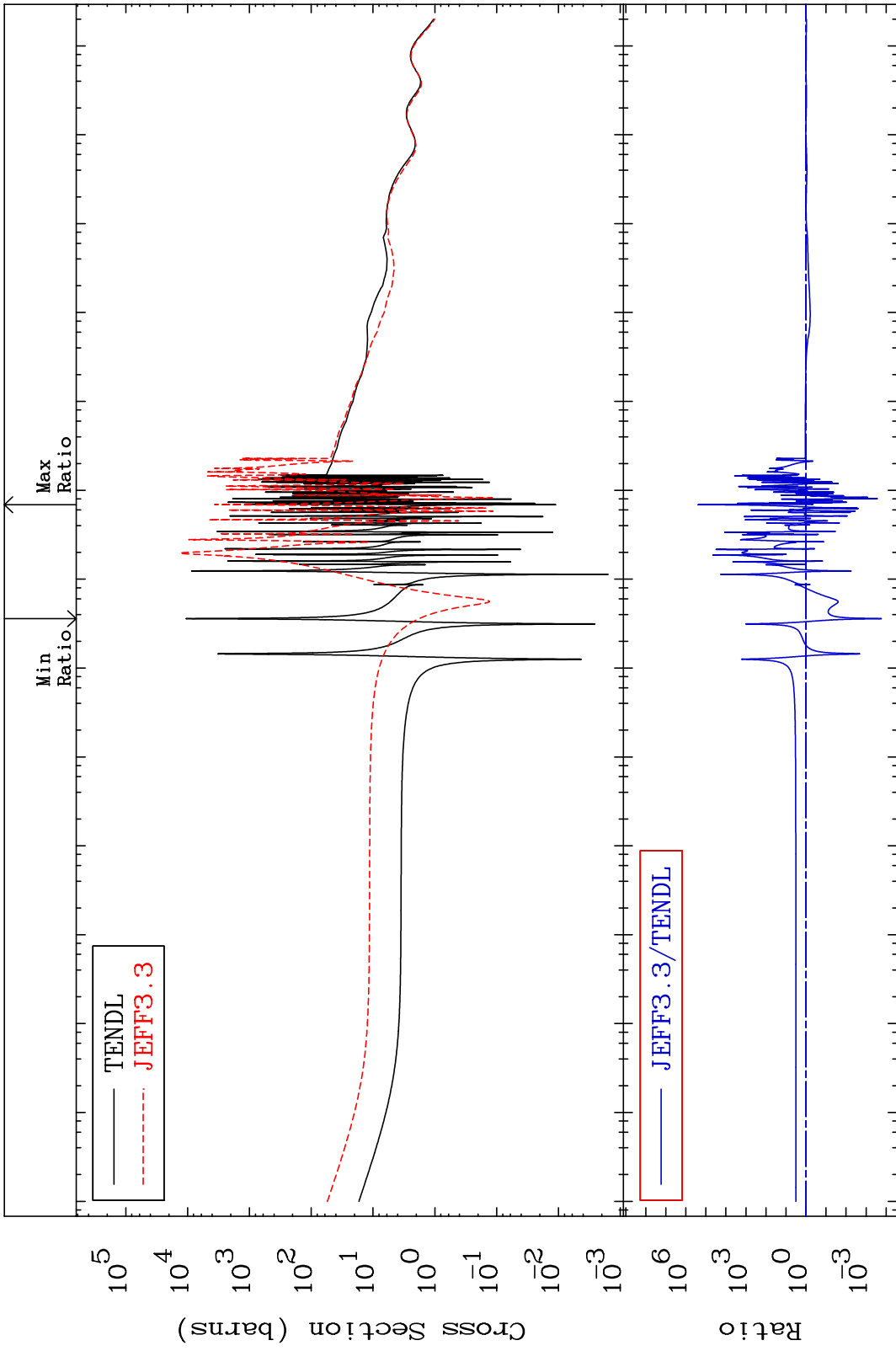
MAT 6231

Elastic

62-Sm-146

-99.98 To 9999. %

Cross Section



2

Incident Energy (eV)

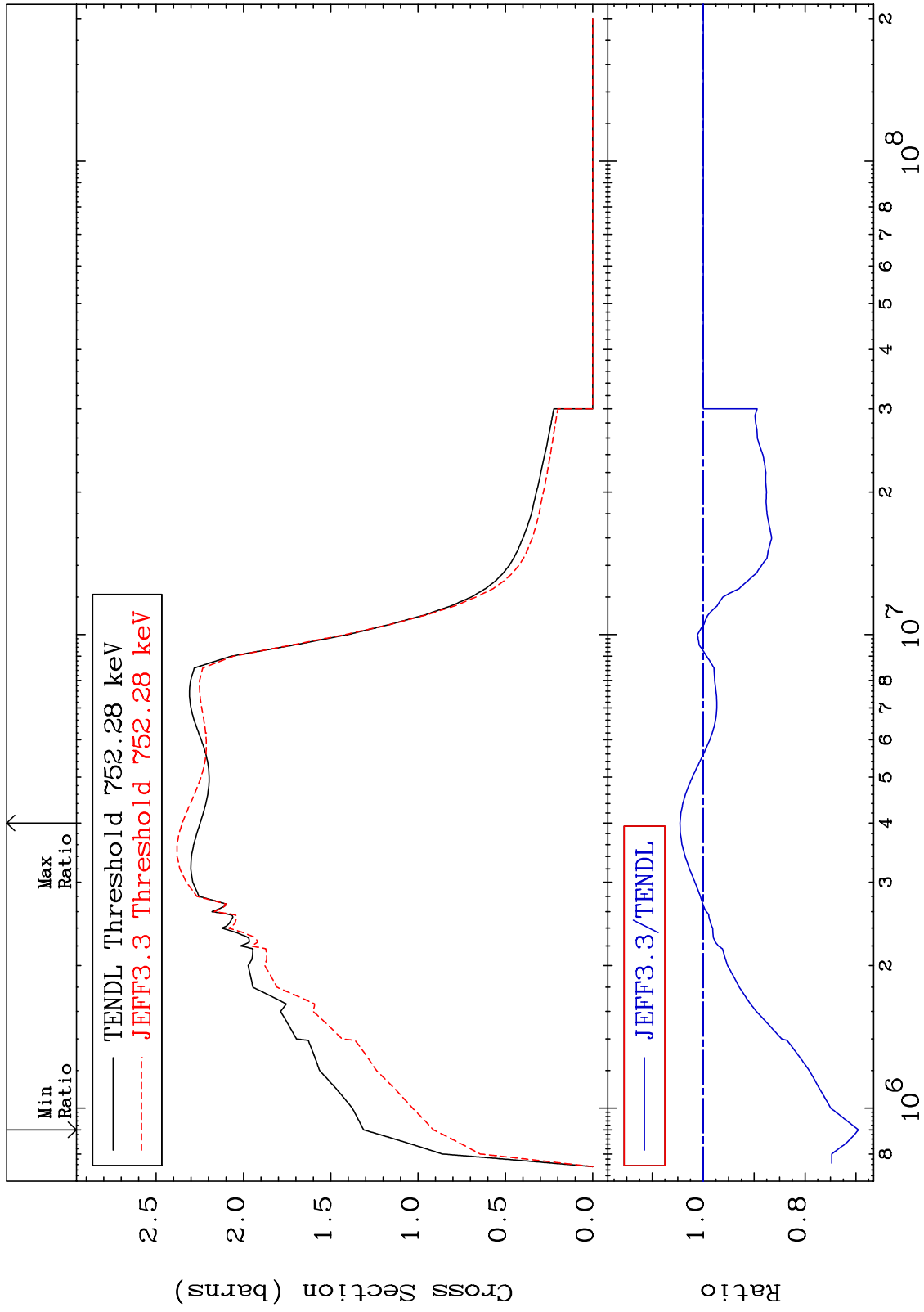
62-Sm-146

MAT 6231

Inelastic
Cross Section

62-Sm-146

-30.48 To 4.552 %



Incident Energy (eV)

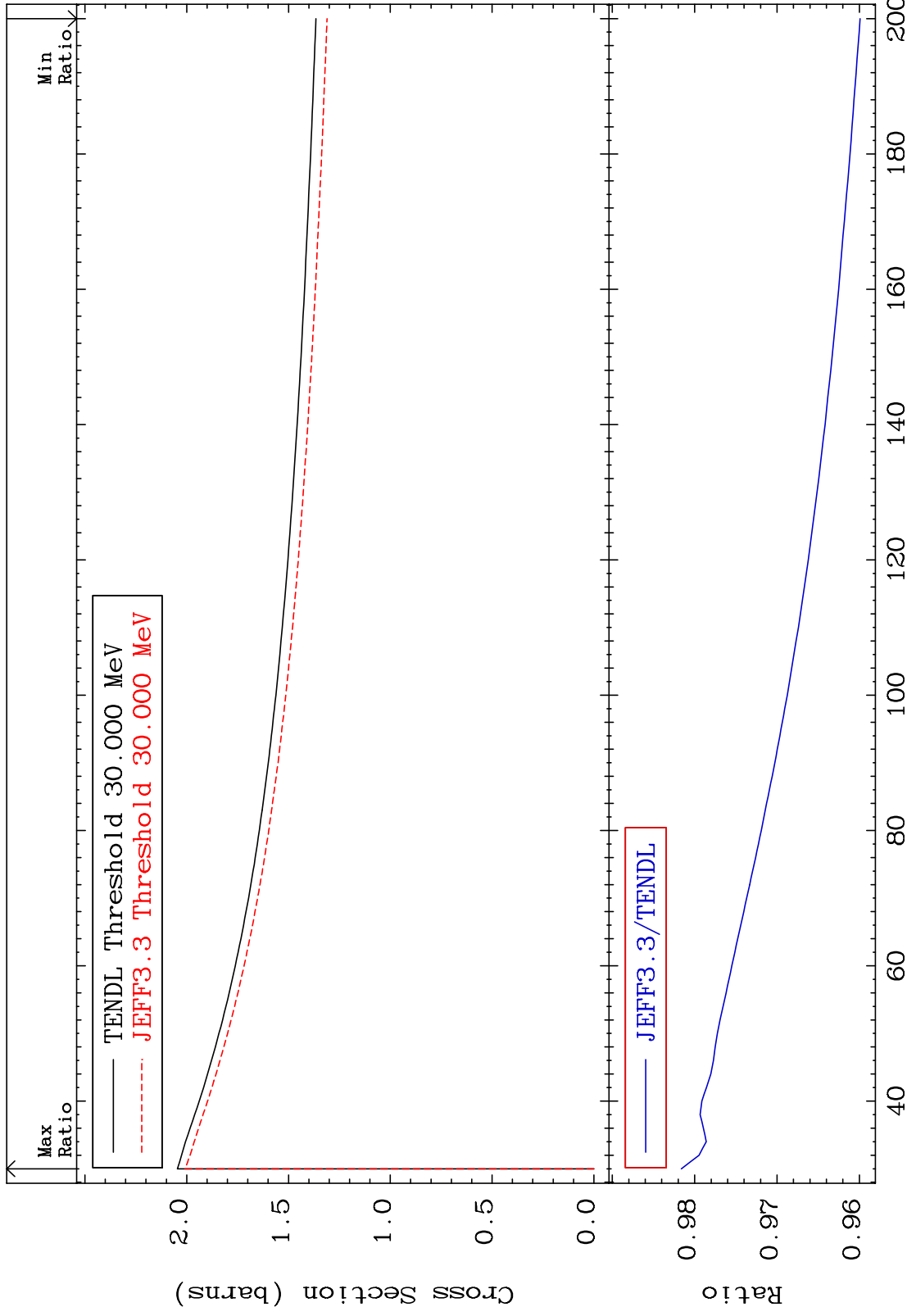
62-Sm-146

3

MAT 6231

(n, remainder)
Cross Section

62-Sm-146
-4.009 To -1.838%



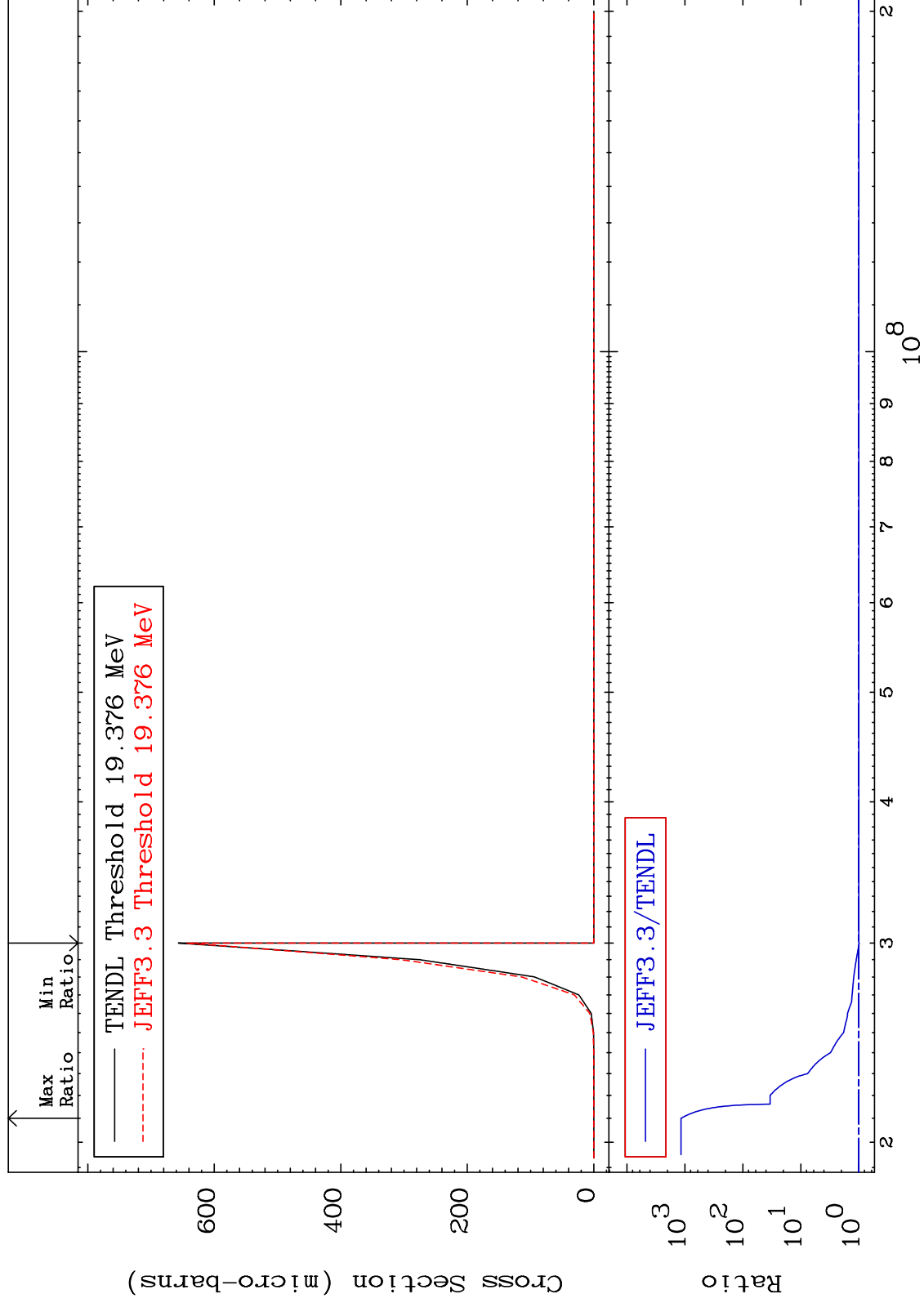
MAT 6231

(n,2n) d

62-Sm-146

Cross Section

-1.997 To 9999. %



5

Incident Energy (eV)

62-Sm-146

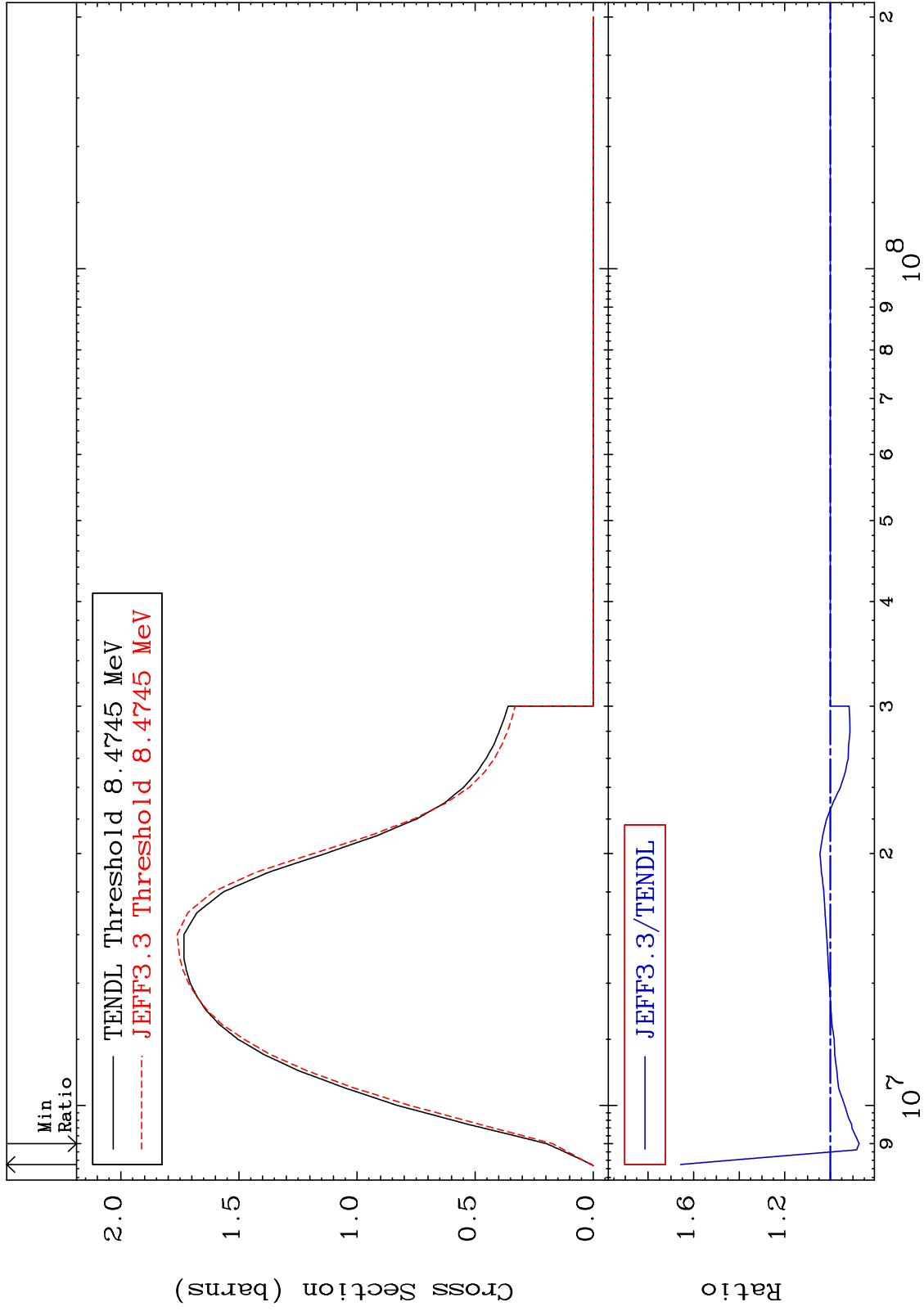
MAT 6231

(n,2n)

62-Sm-146

Cross Section

-12.68 To 65.73 %



Incident Energy (eV)

62-Sm-146

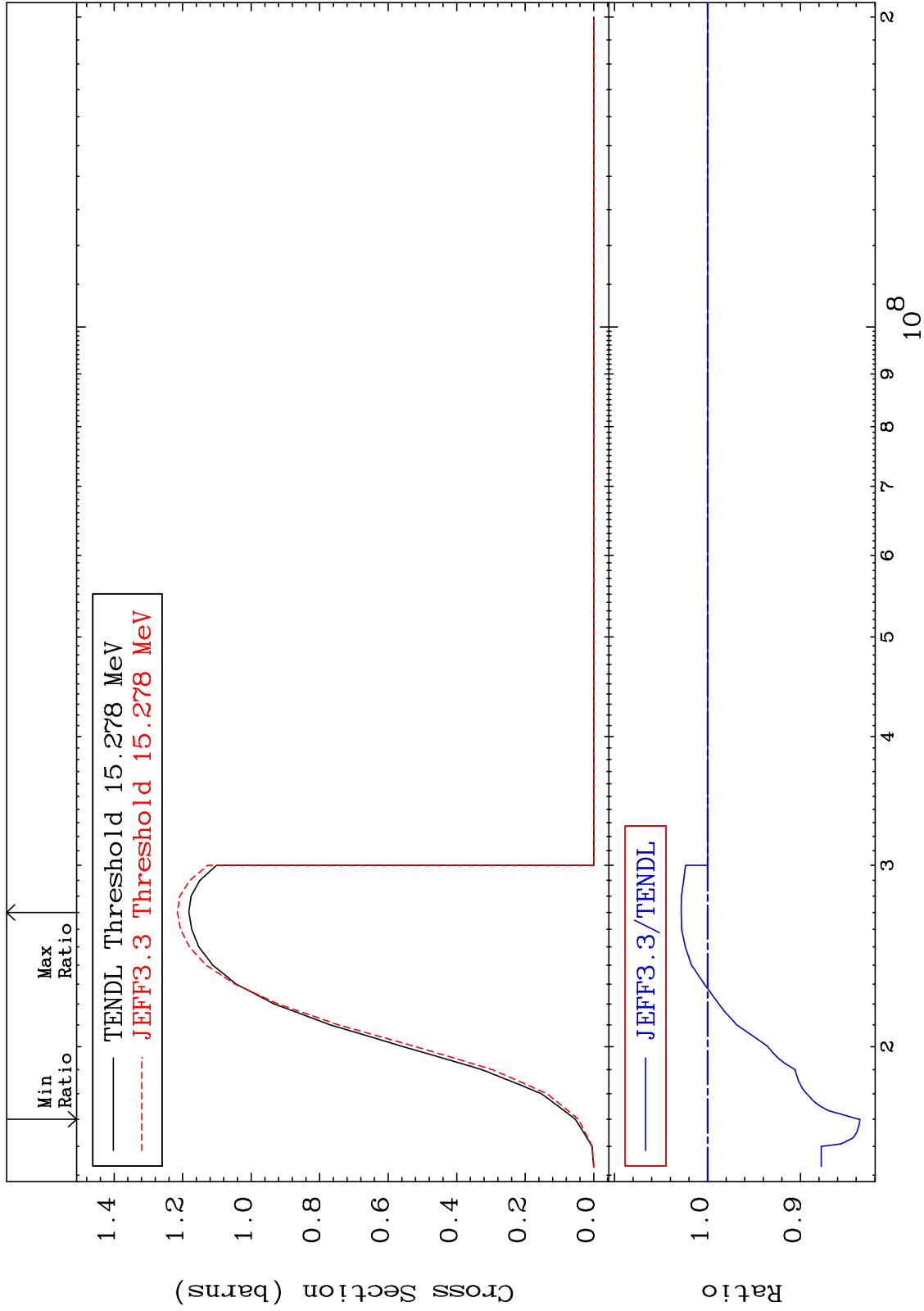
MAT 6231

(n, 3n)

62-Sm-146

Cross Section

-16.39 To 2.830 %

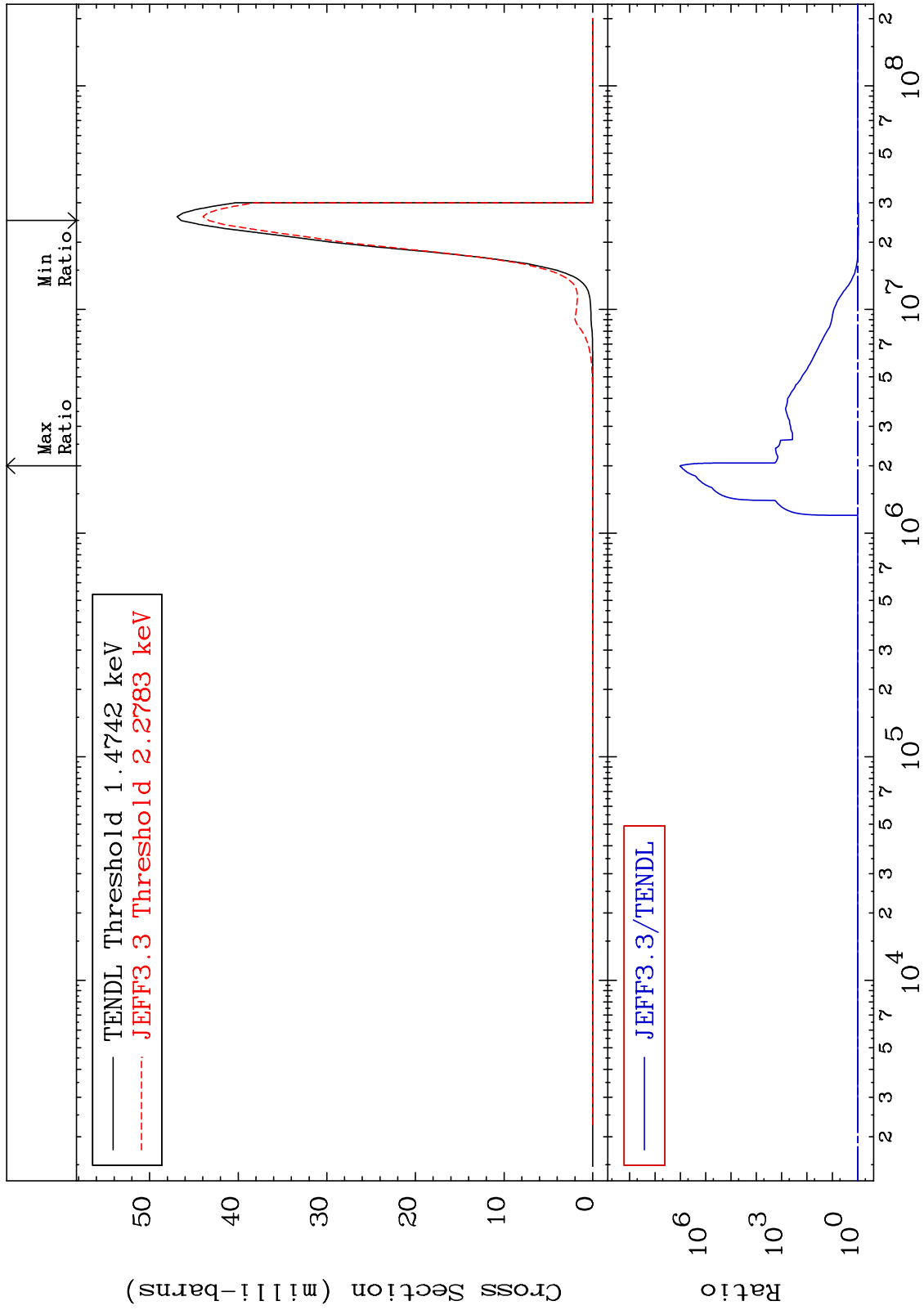


MAT 6231

(n, n') α

62-Sm-146

Cross Section
-6.706 To 9999. %



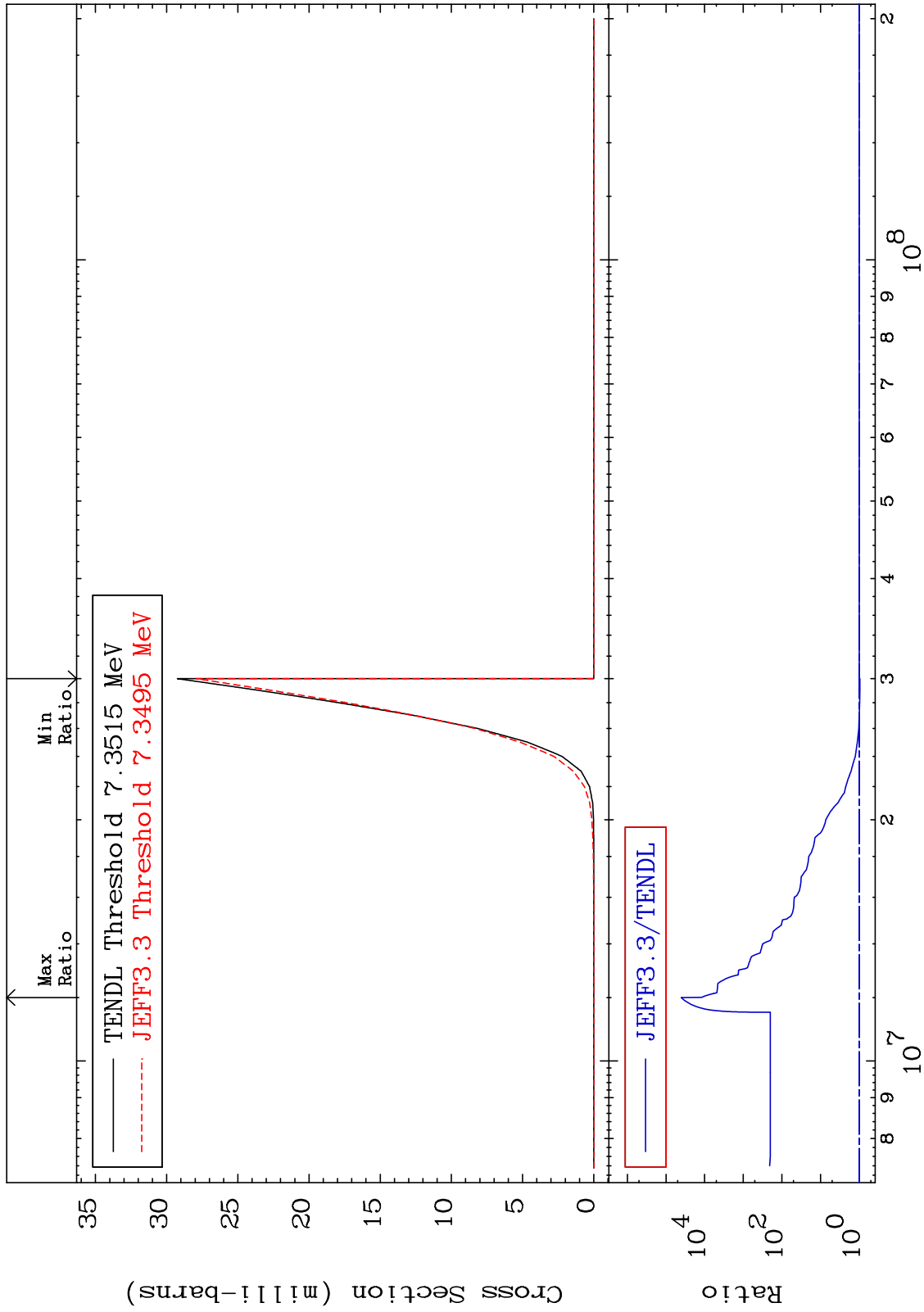
MAT 6231

(n,2n) α

62-Sm-146

-4.589 To 9999. %

Cross Section



9

Incident Energy (eV)

62-Sm-146

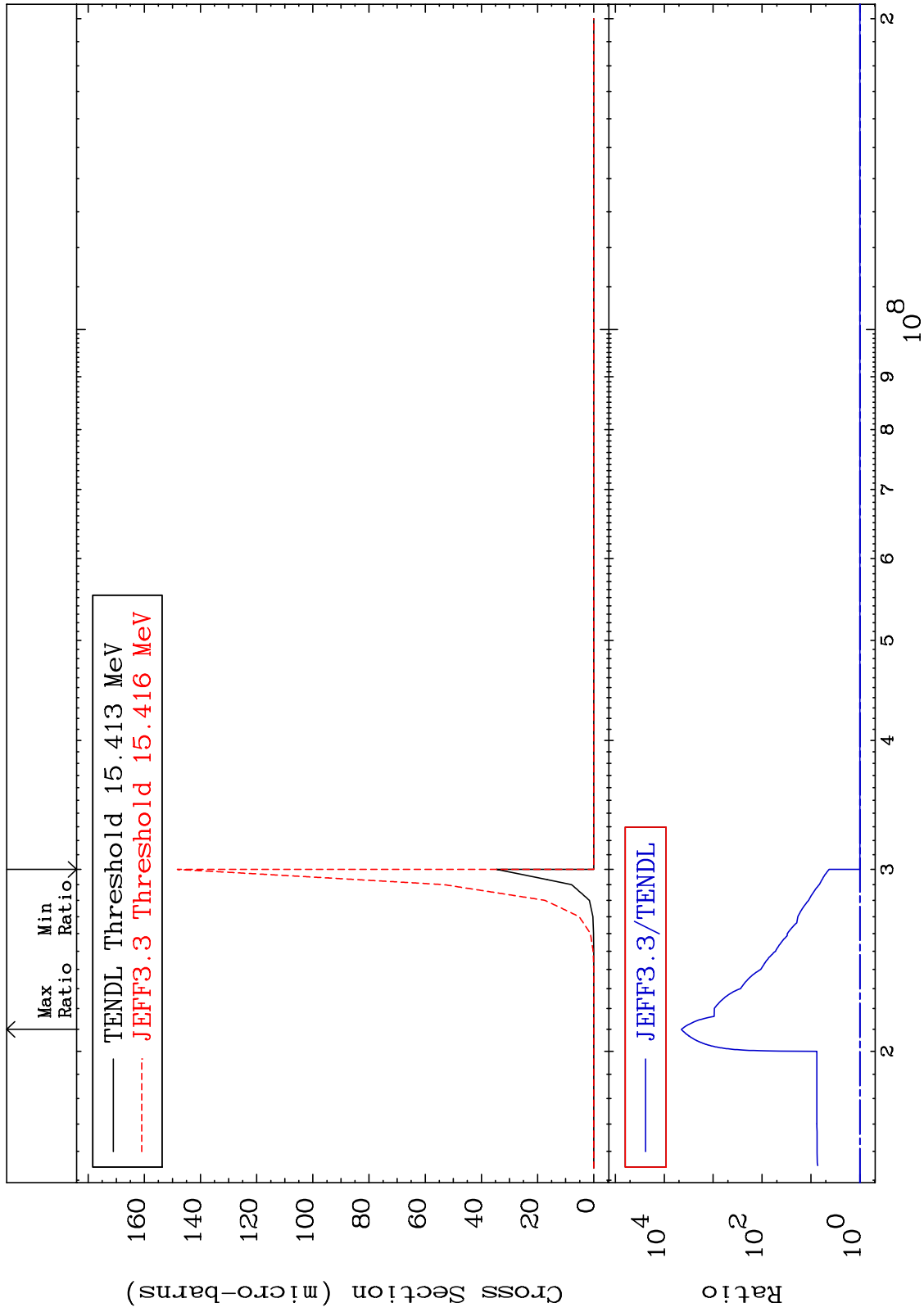
MAT 6231

(n,3n) α

62-Sm-146

Cross Section

0.000 To 9999. %



10

Incident Energy (eV)

62-Sm-146

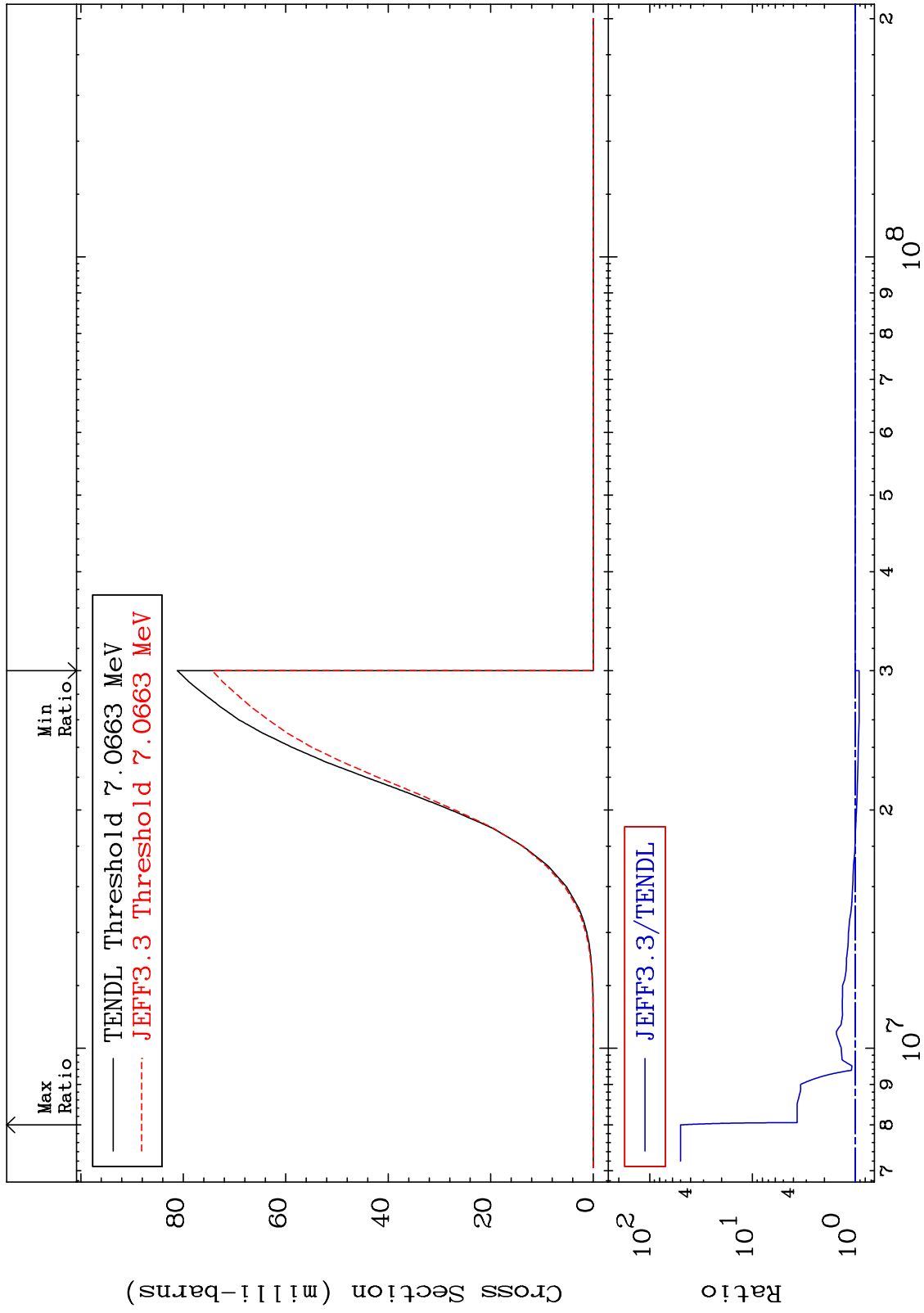
MAT 6231

(n,n') p

62-Sm-146

Cross Section

-8.409 To 4903. %



11

Incident Energy (eV)

62-Sm-146

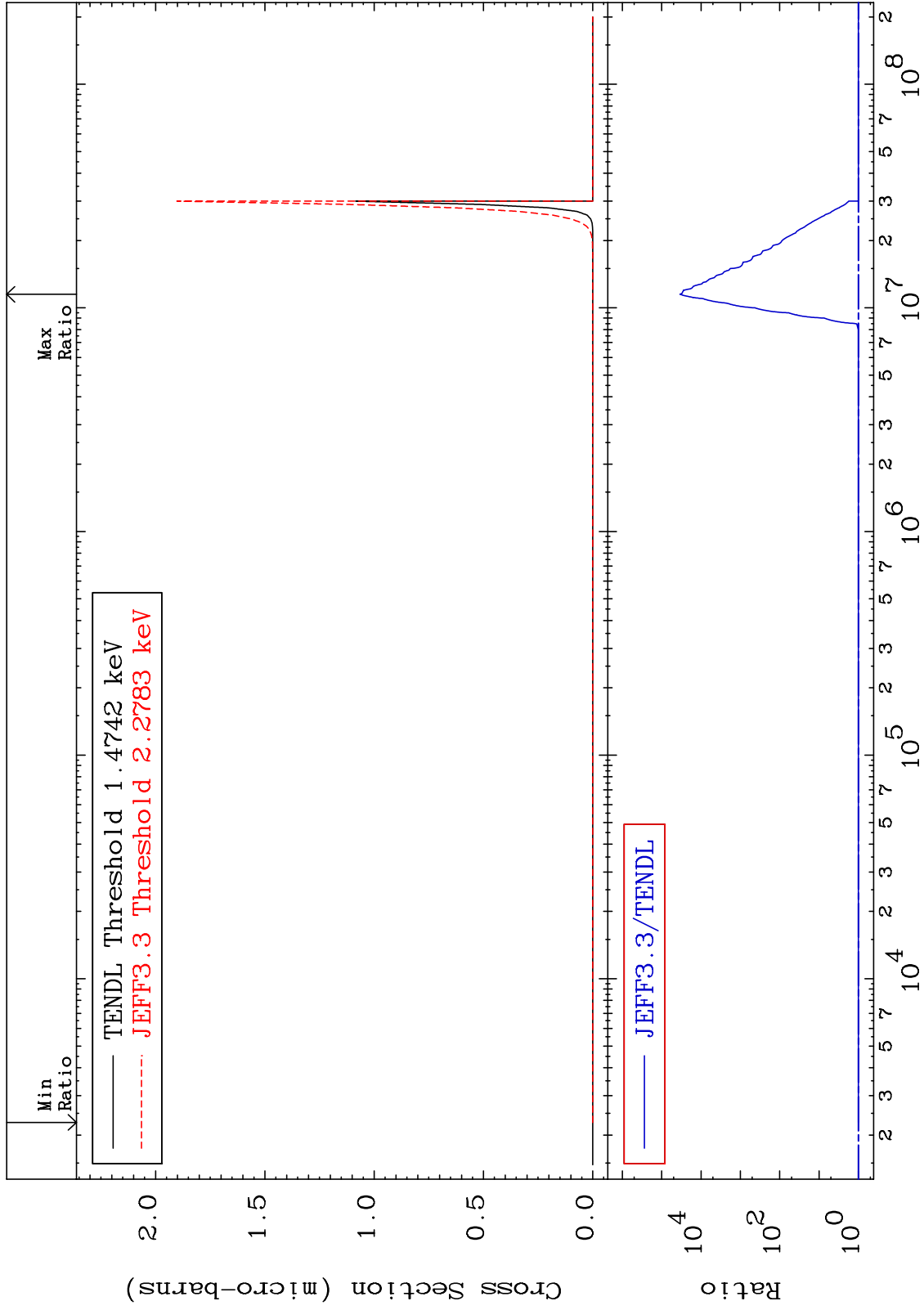
MAT 6231

(n, n') 2 α

62-Sm-146

Cross Section

0.000 To 9999. %



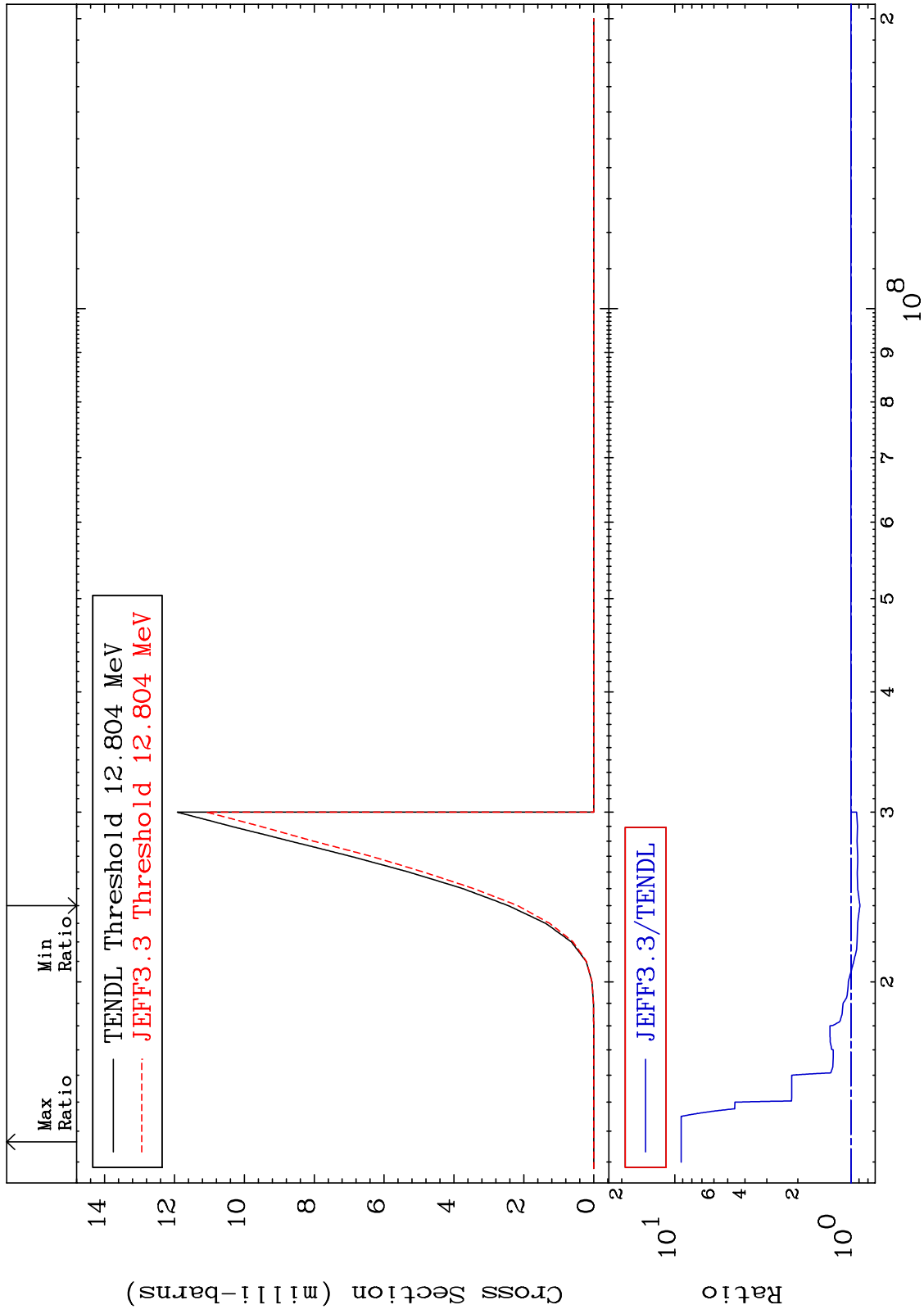
MAT 6231

(n,n') d

62-Sm-146

Cross Section

-11.04 To 818.5 %



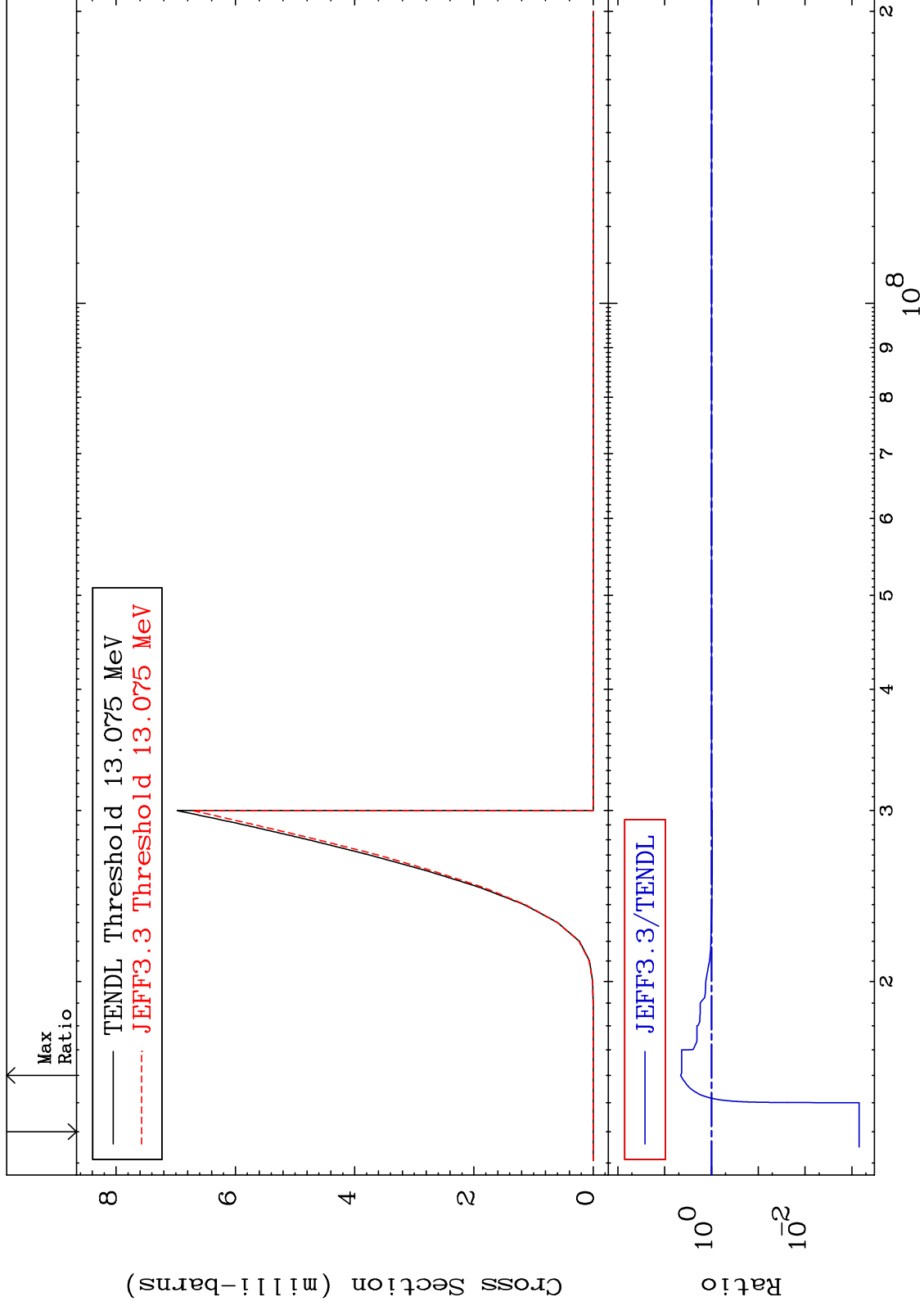
MAT 6231

(n, n') t

62-Sm-146

Cross Section

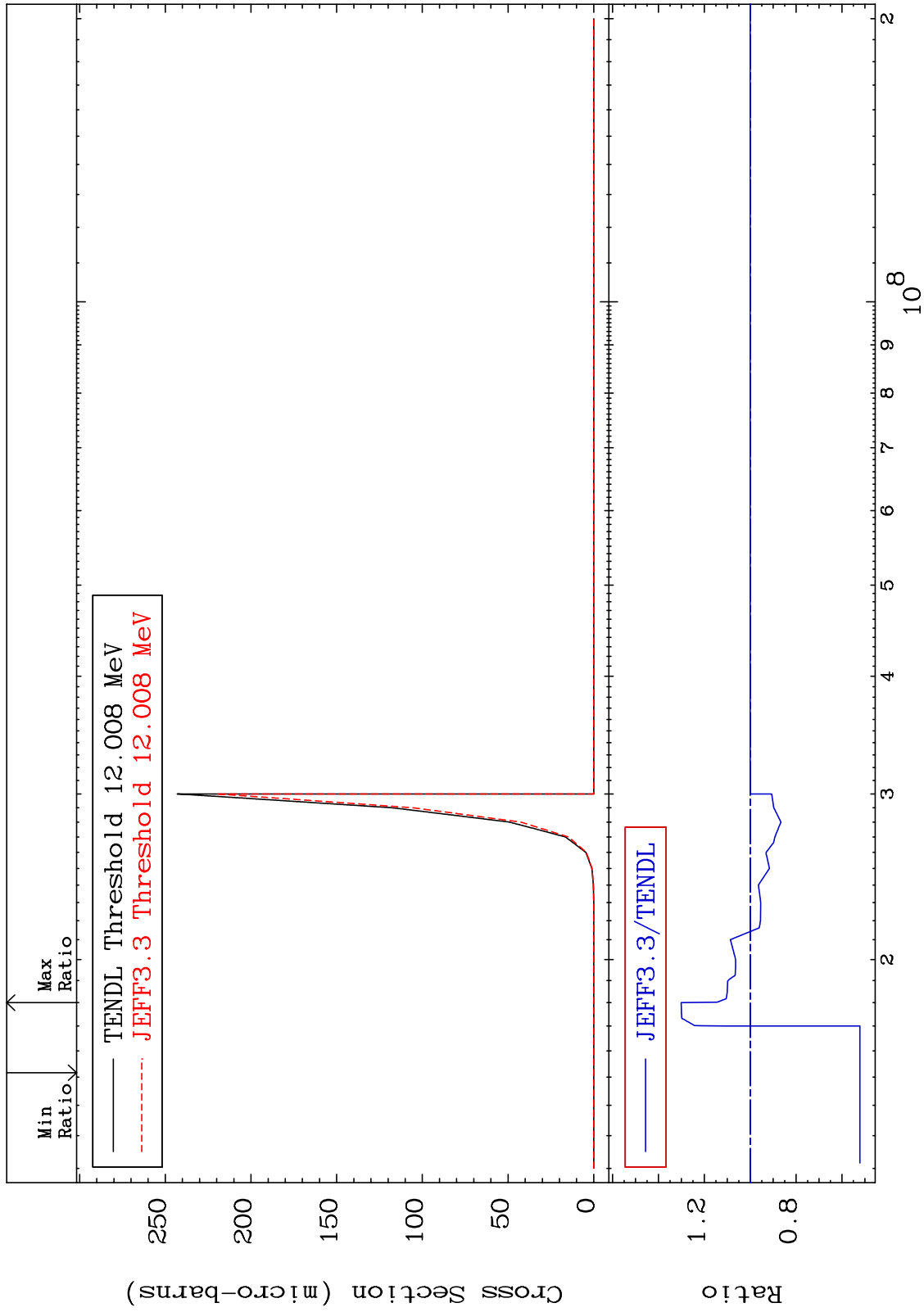
-99.93 To 356.2 %



MAT 6231

(n, n') He-3
Cross Section

62-Sm-146
-47.83 To 30.08 %



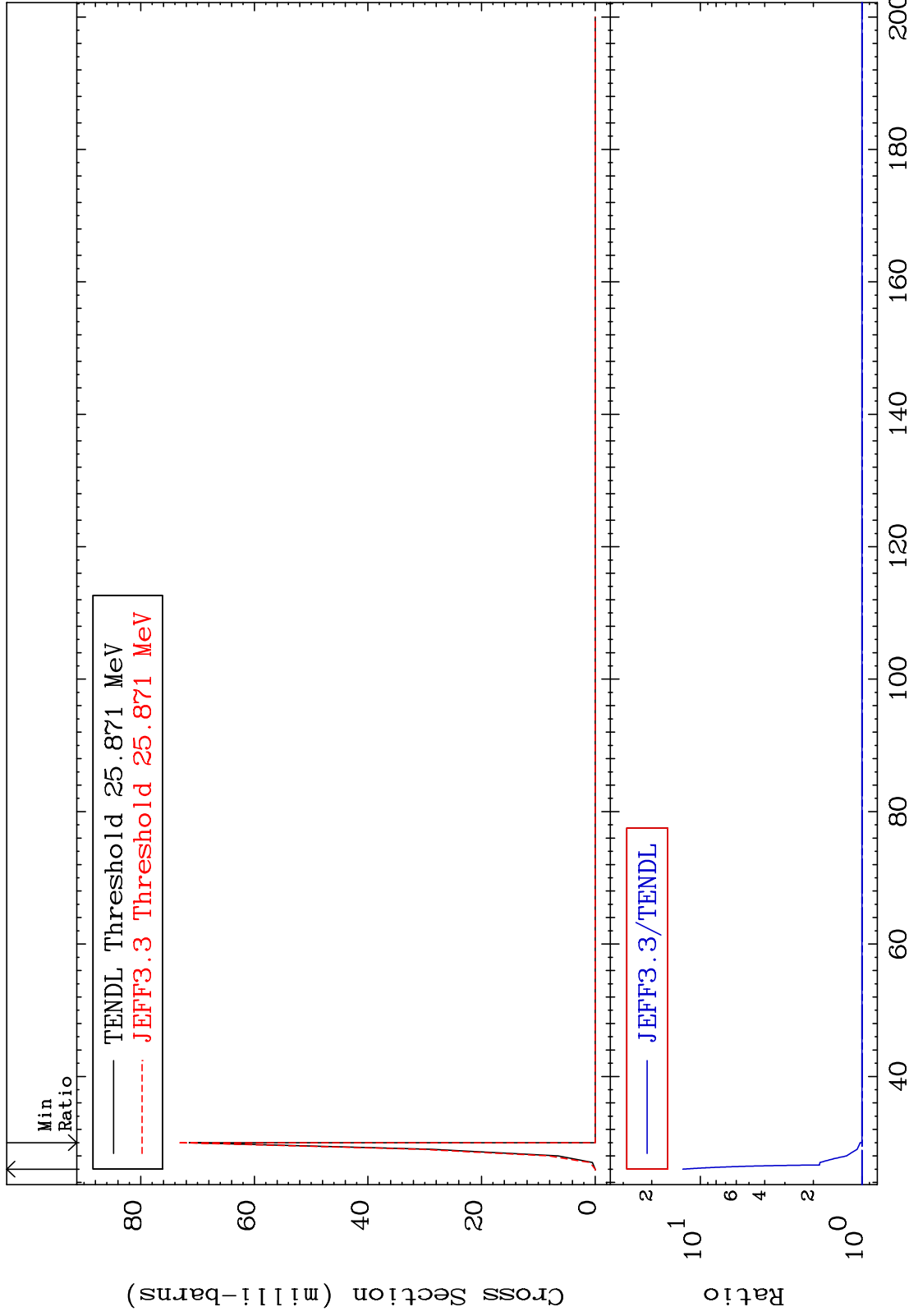
MAT 6231

(n, 4n)

62-Sm-146

Cross Section

0.000 To 1183. %



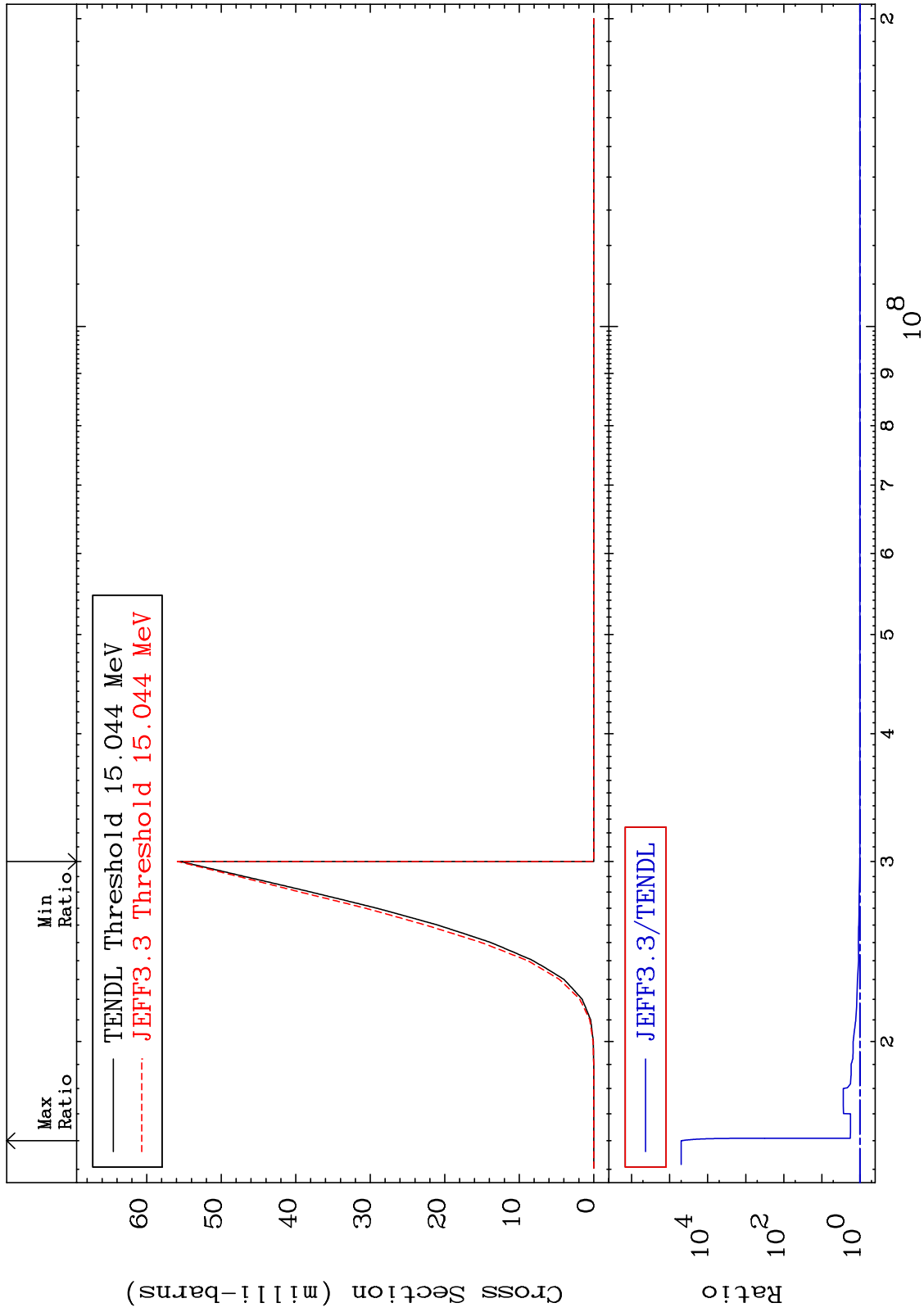
MAT 6231

(n,2n) p

62-Sm-146

Cross Section

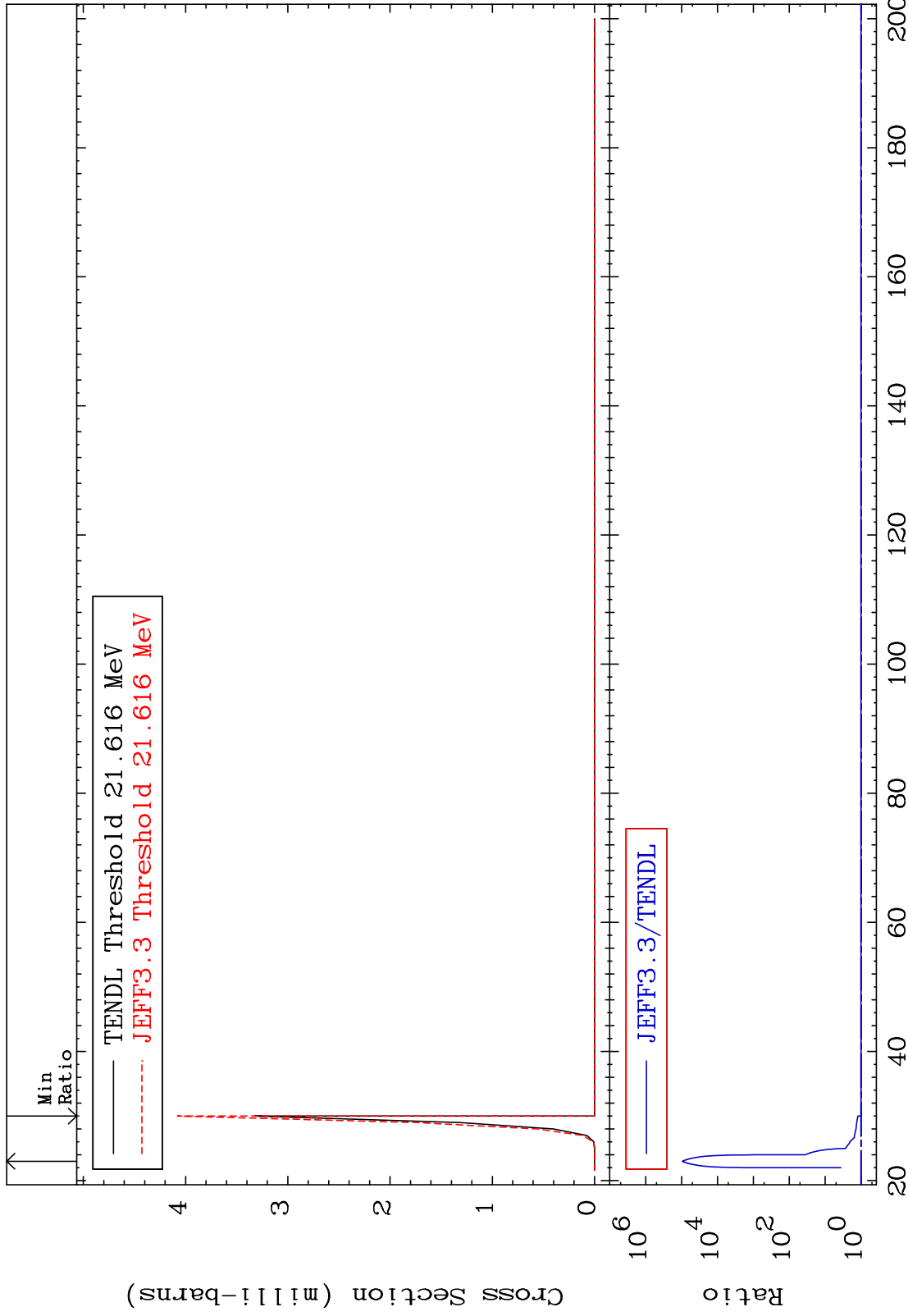
0.000 To 9999. %



MAT 6231

(n,3n) p
Cross Section

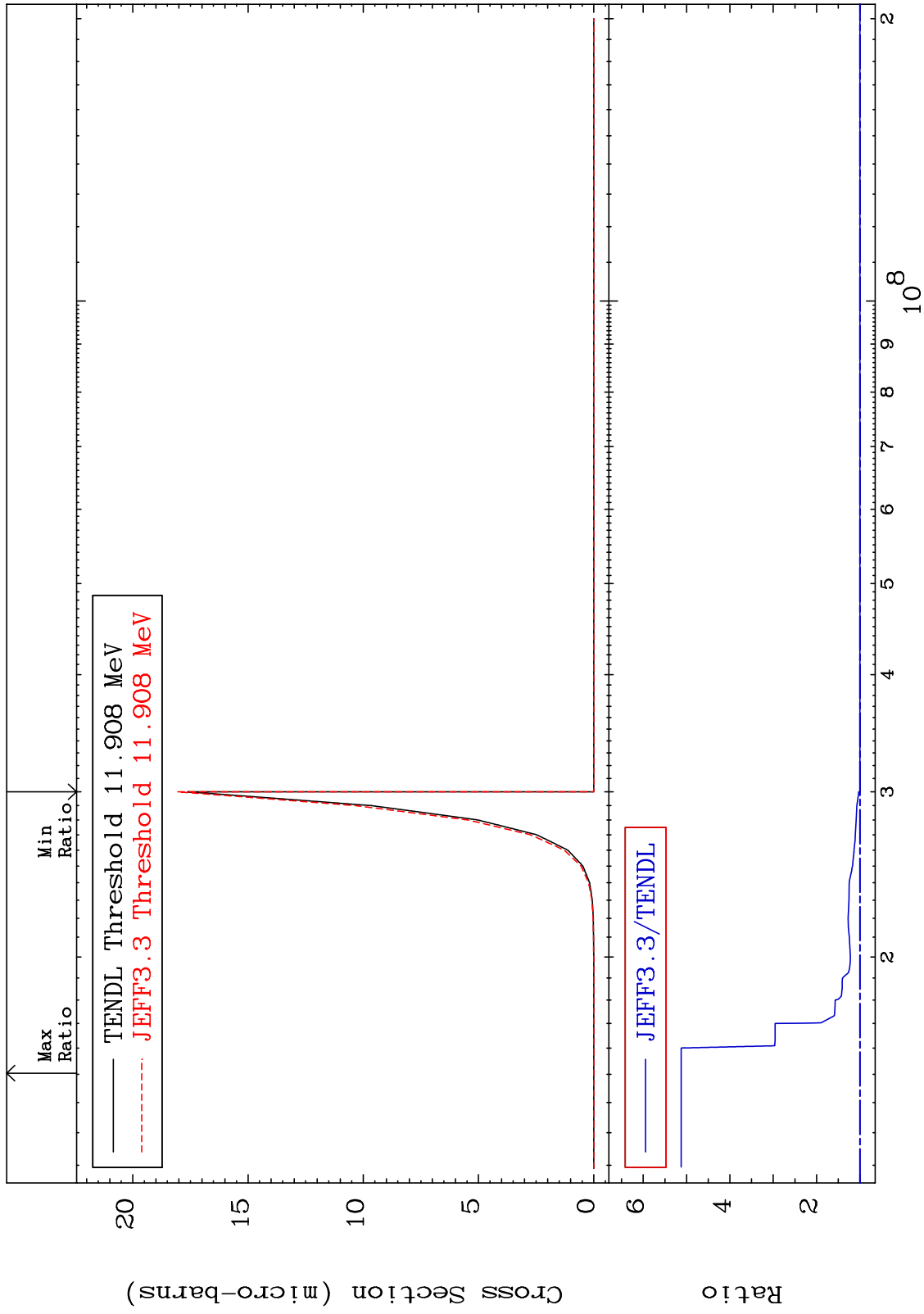
62-Sm-146
0.000 To 9999. %



MAT 6231

(n,2n) p
Cross Section

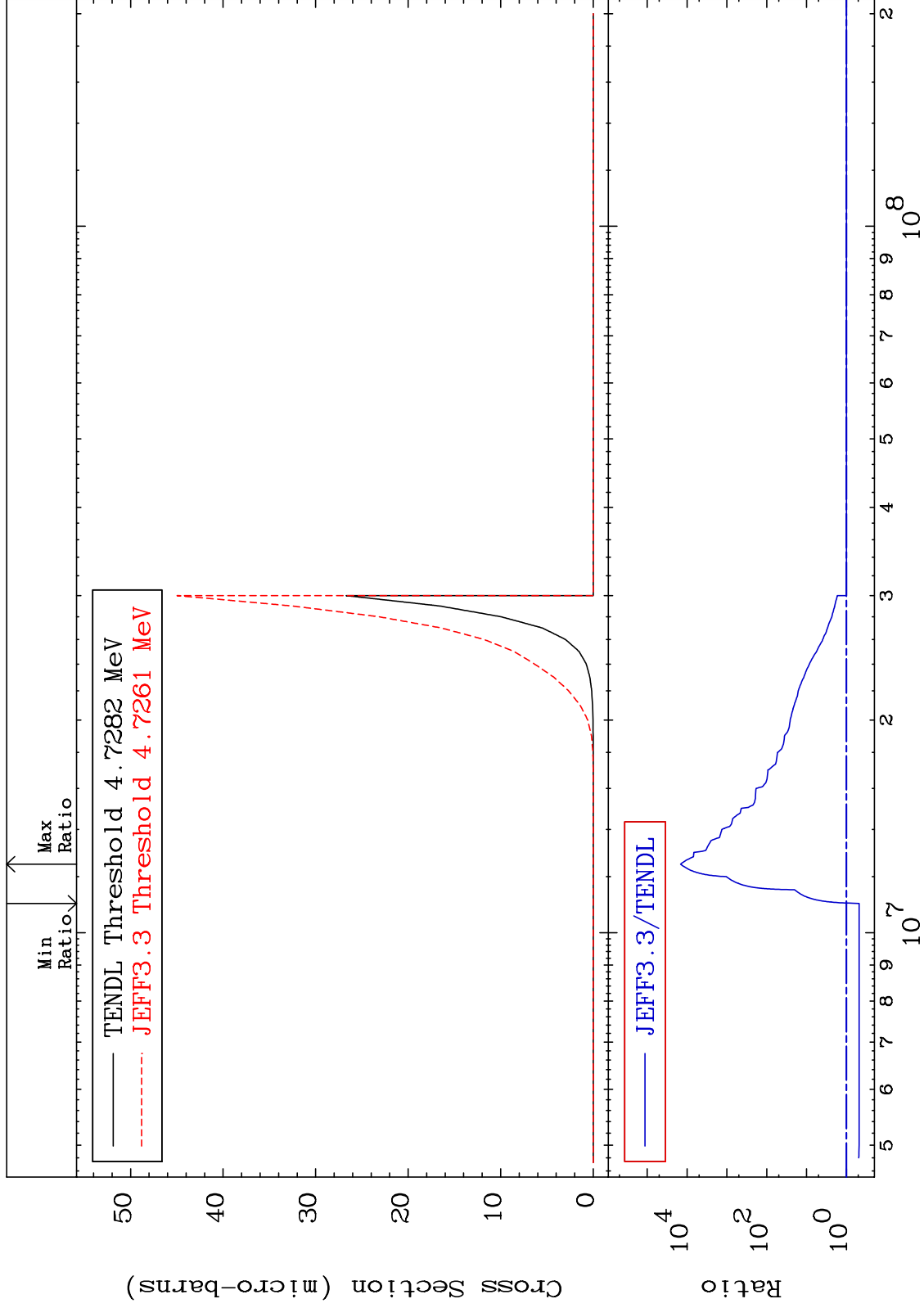
62-Sm-146
0.000 To 412.3 %



MAT 6231

(n,n') p α
Cross Section

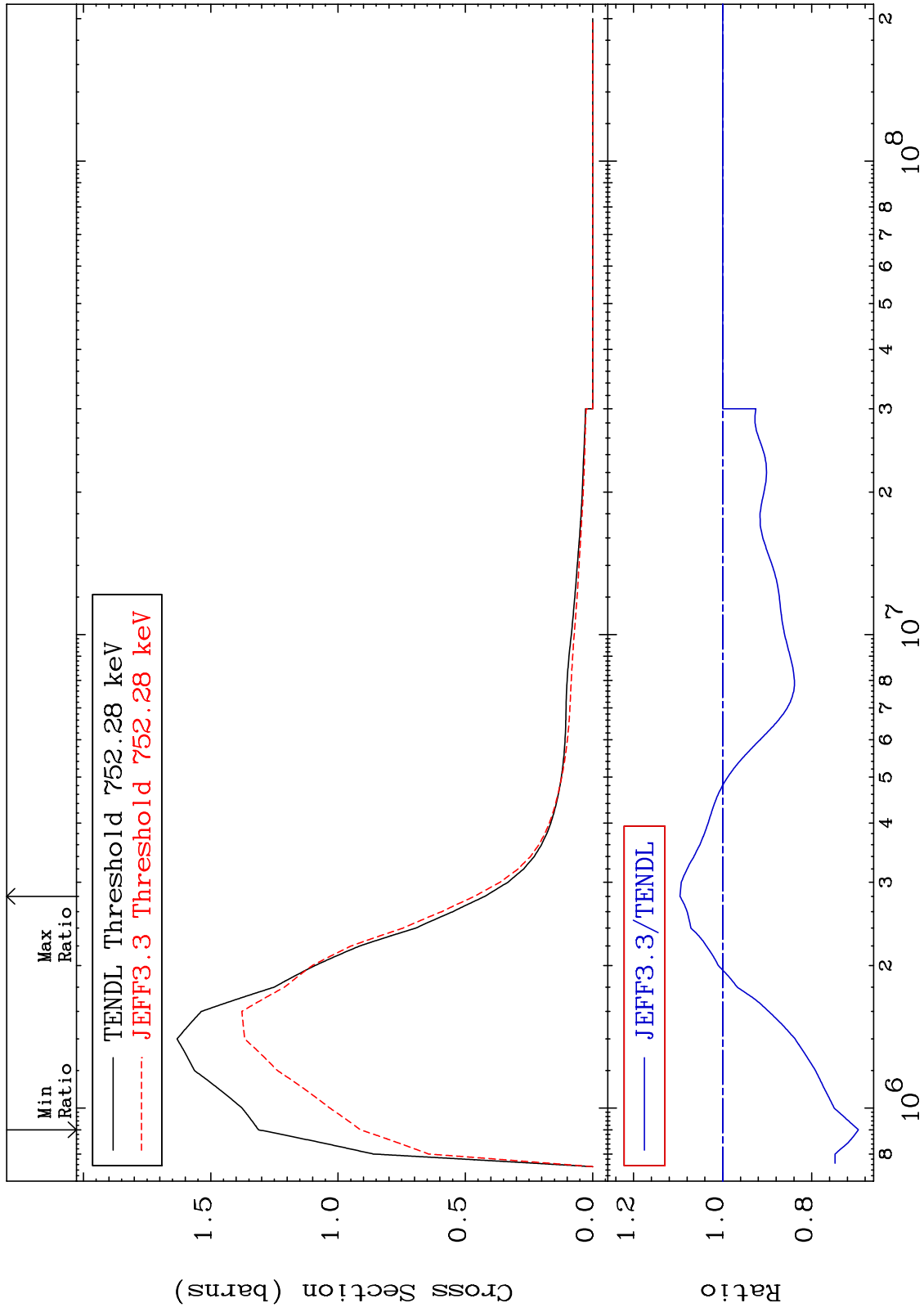
62-Sm-146
-52.33 To 9999. %



MAT 6231

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

62-Sm-146
-30.48 To 9.577 %



21

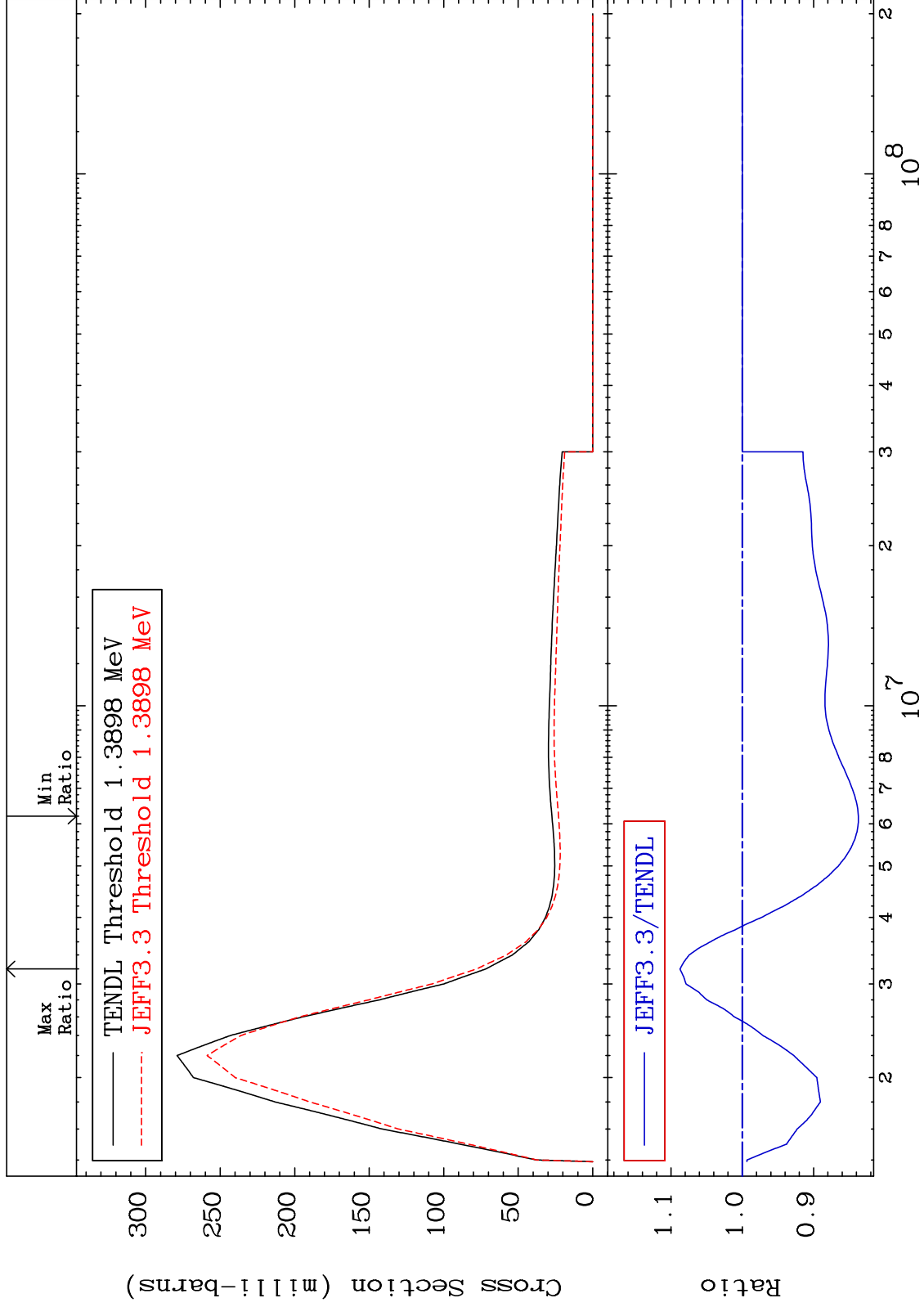
Incident Energy (eV)

62-Sm-146

MAT 6231

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

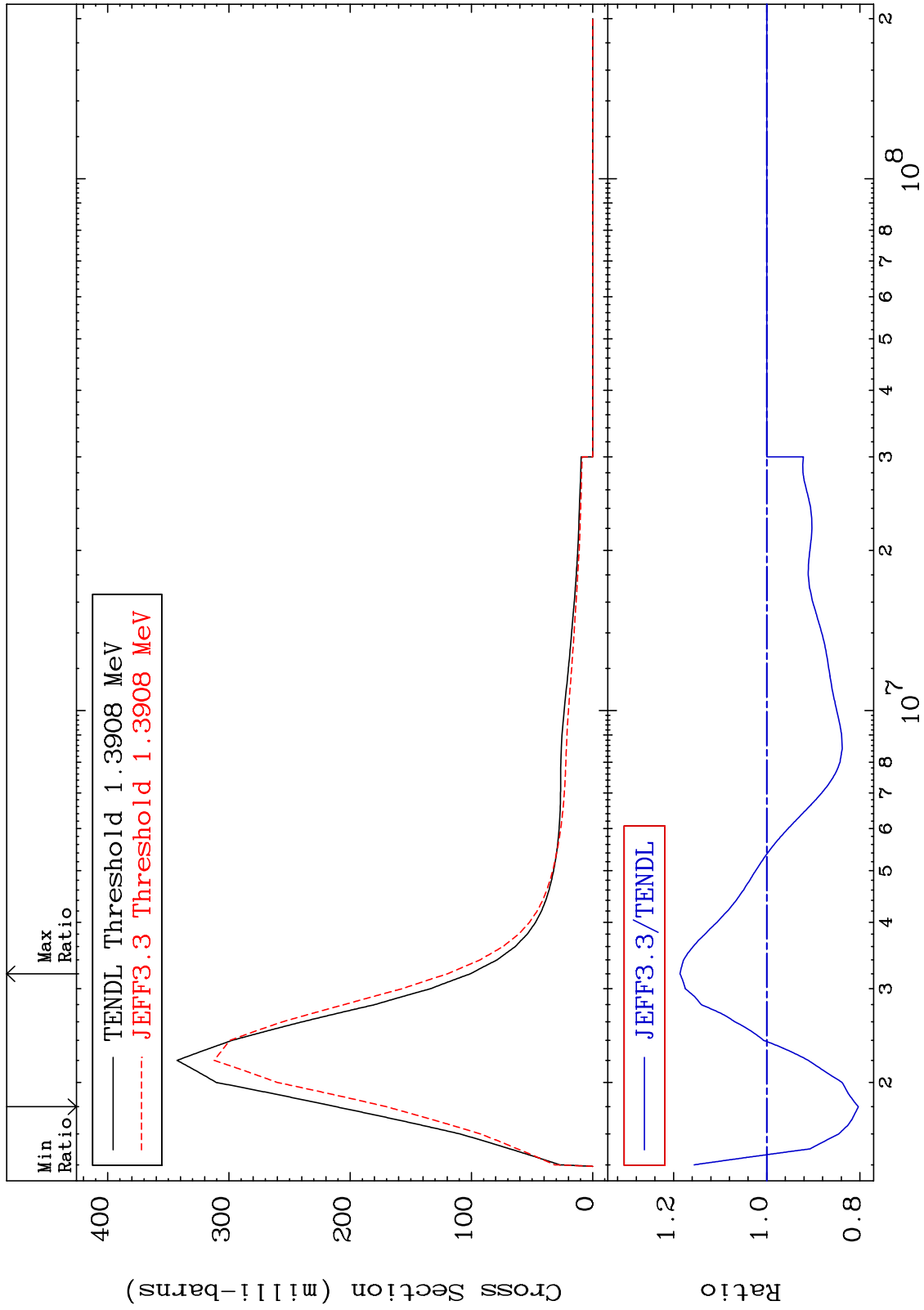
62-Sm-146
-16.28 To 8.722 %



MAT 6231

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

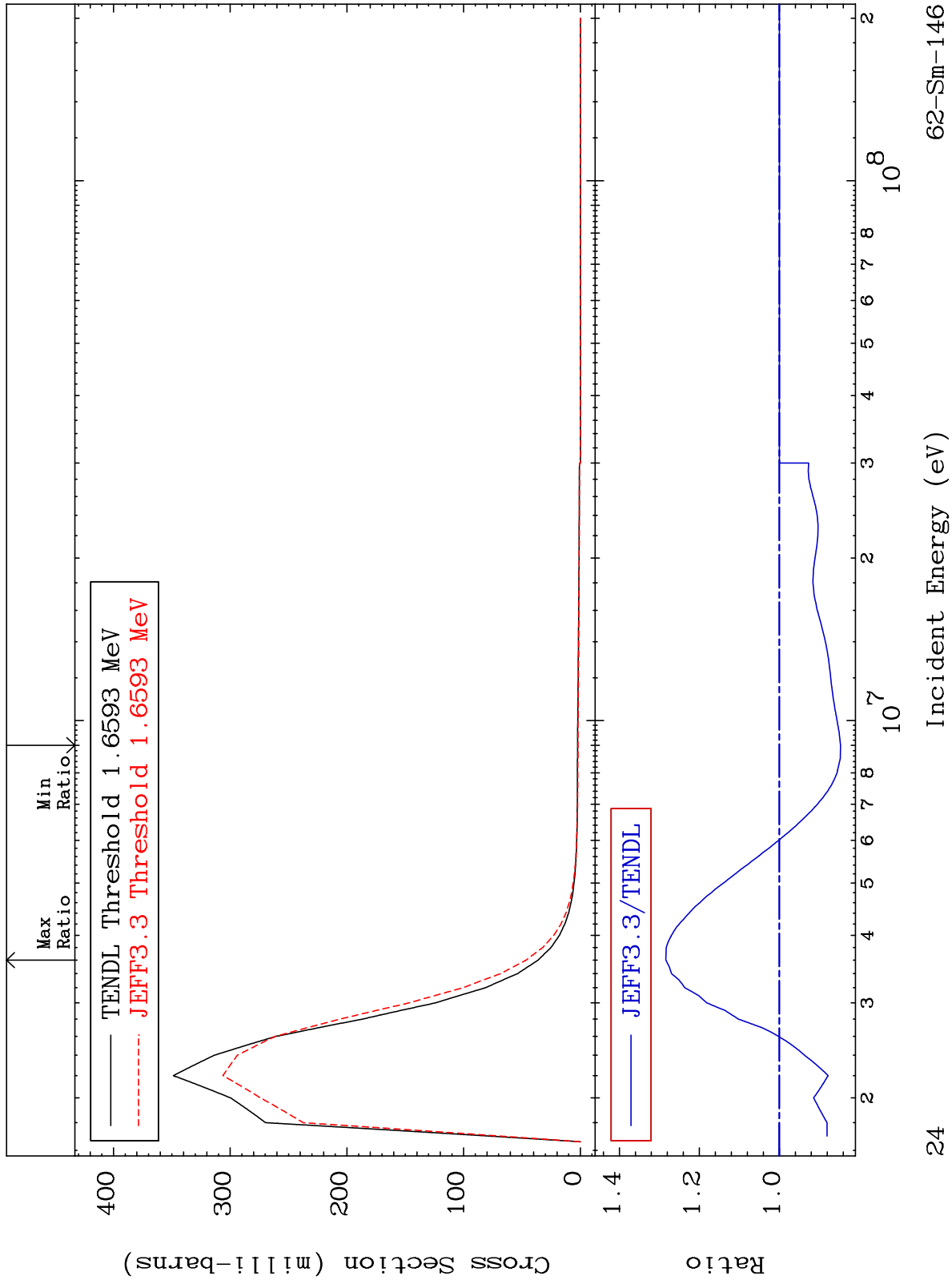
62-Sm-146
-19.68 To 18.61 %



MAT 6231

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

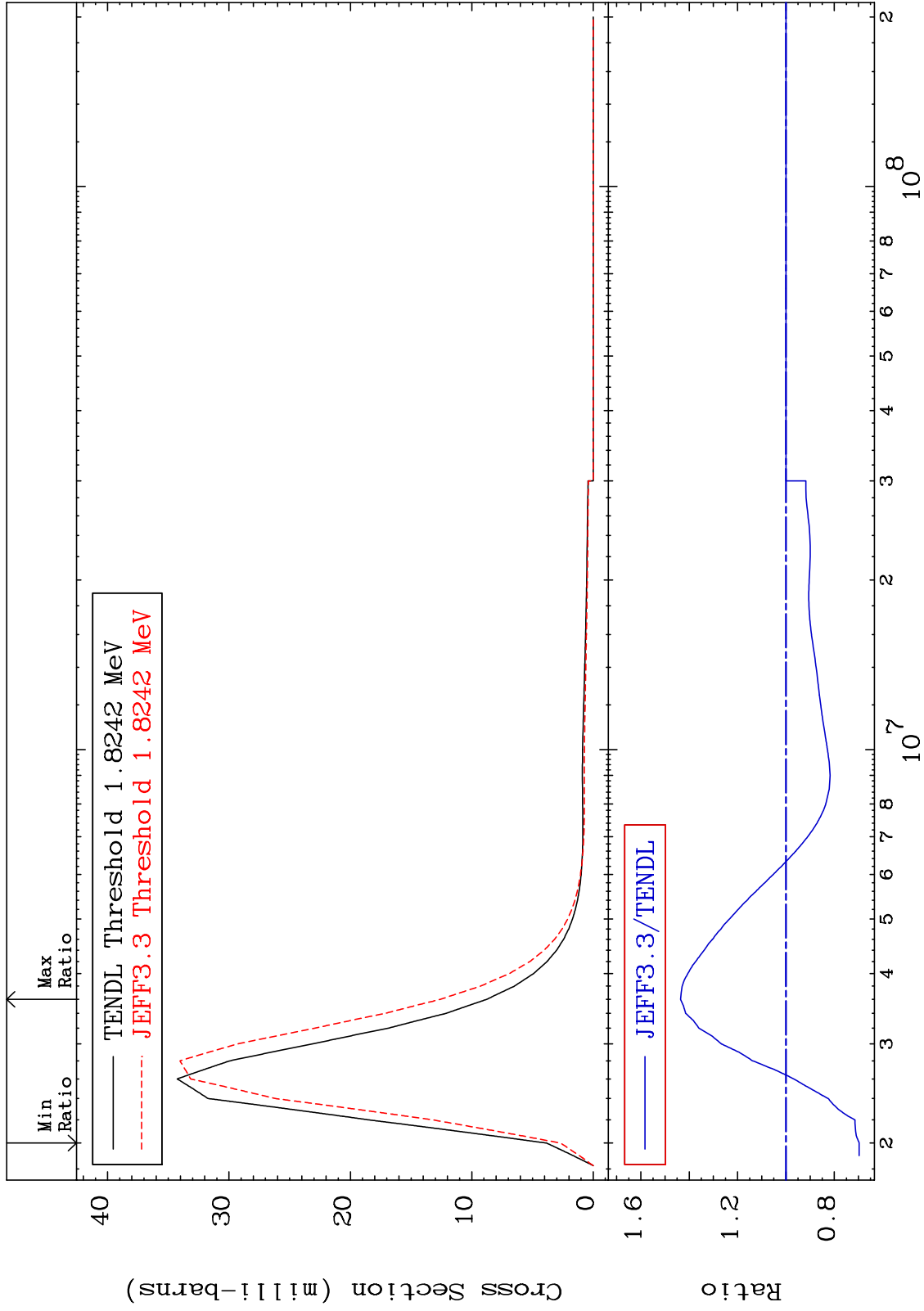
62-Sm-146
-15.30 To 28.38 %



MAT 6231

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

62-Sm-146
-30.29 To 43.56 %



25

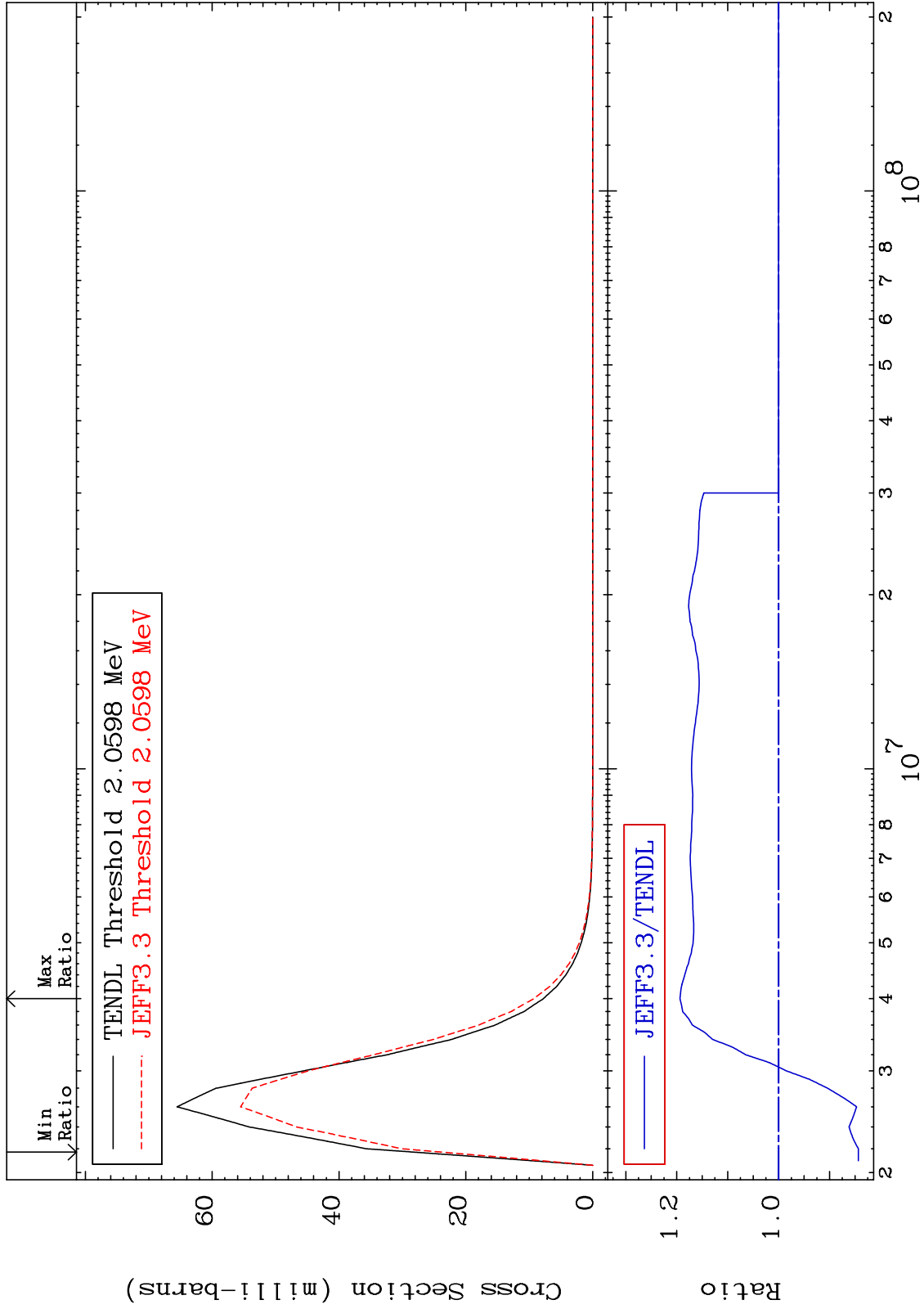
Incident Energy (eV)

62-Sm-146

MAT 6231

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

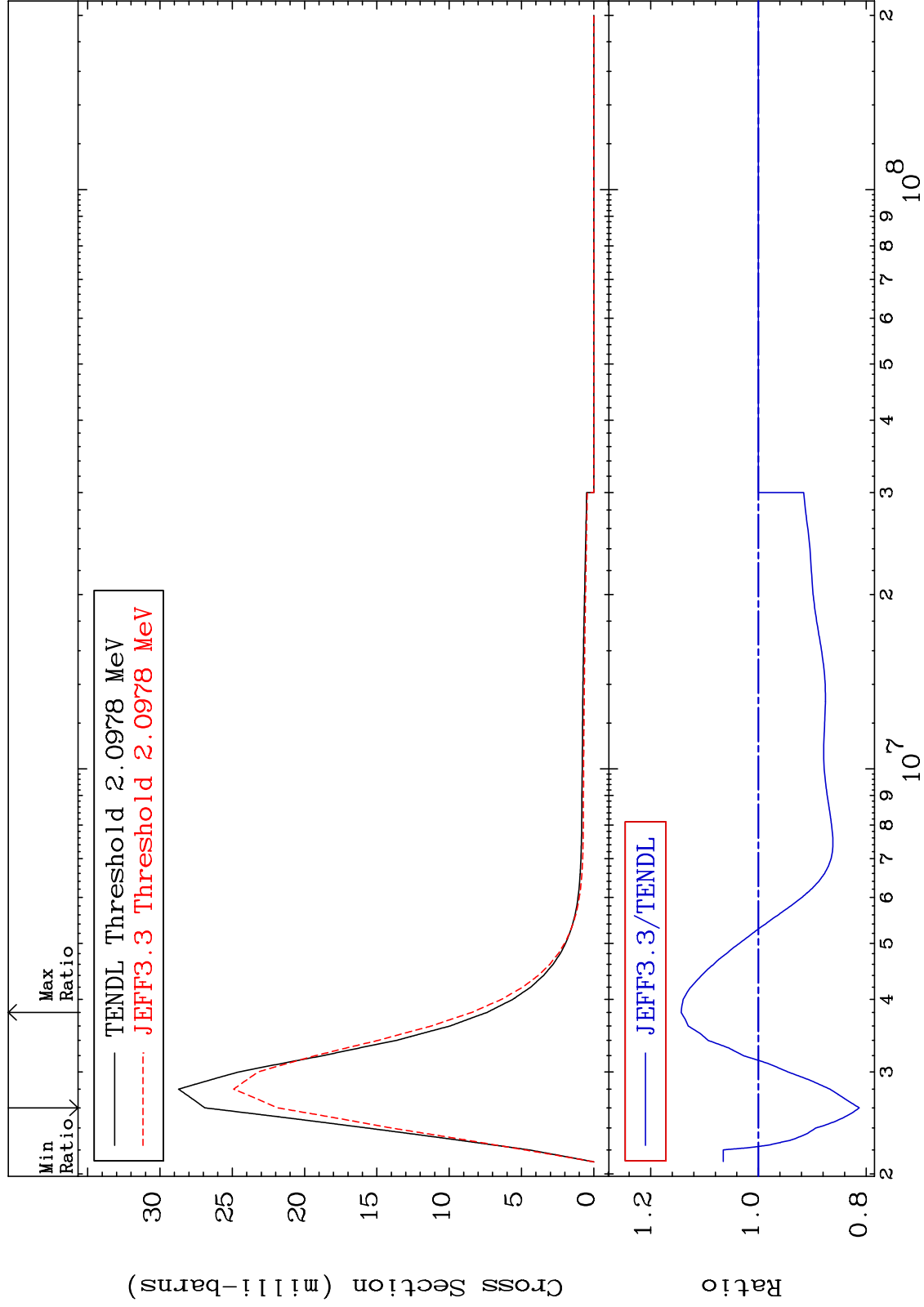
62-Sm-146
-15.66 To 19.35 %



MAT 6231

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

62-Sm-146
-18.72 To 14.36 %



27

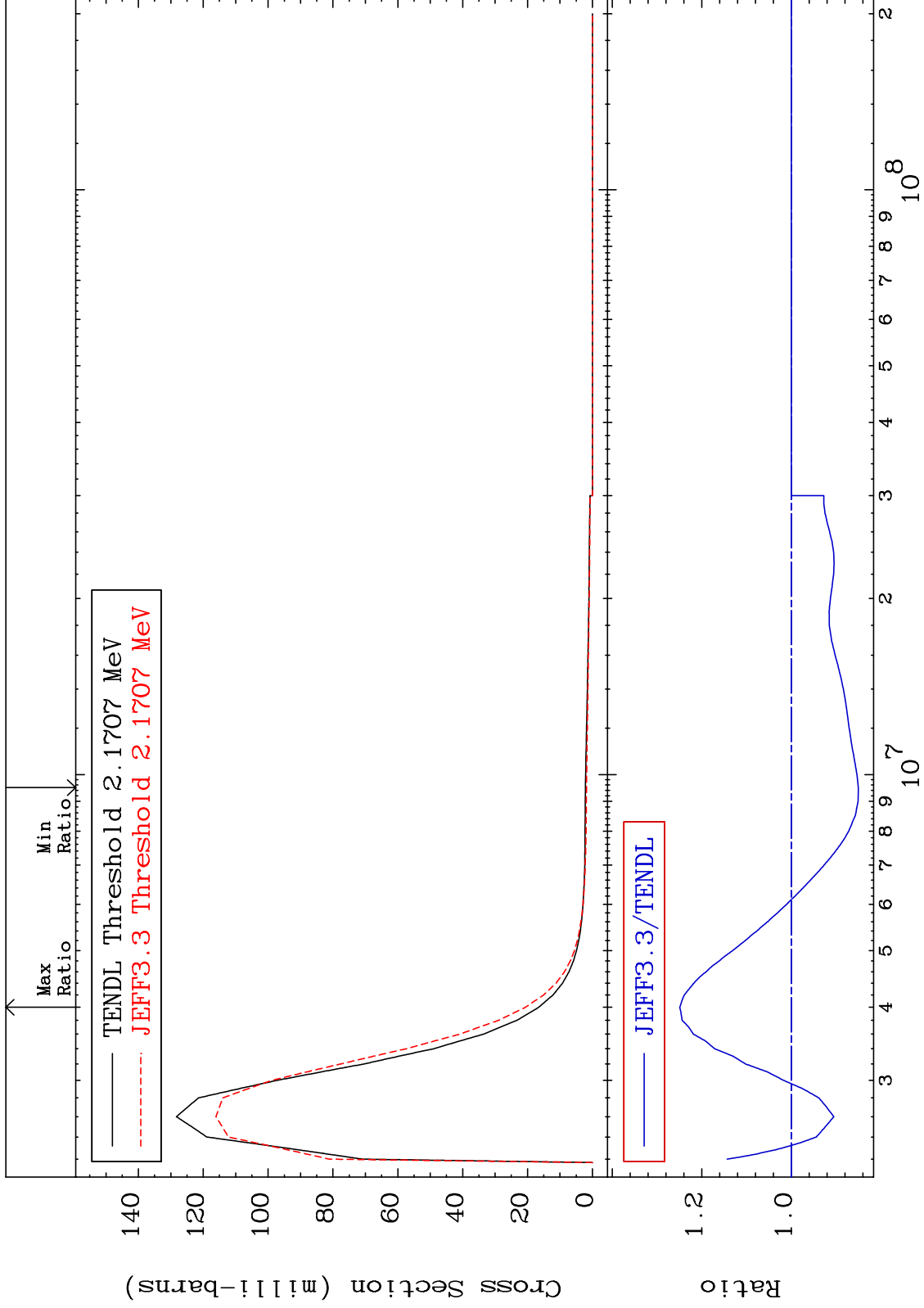
Incident Energy (eV)

62-Sm-146

MAT 6231

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

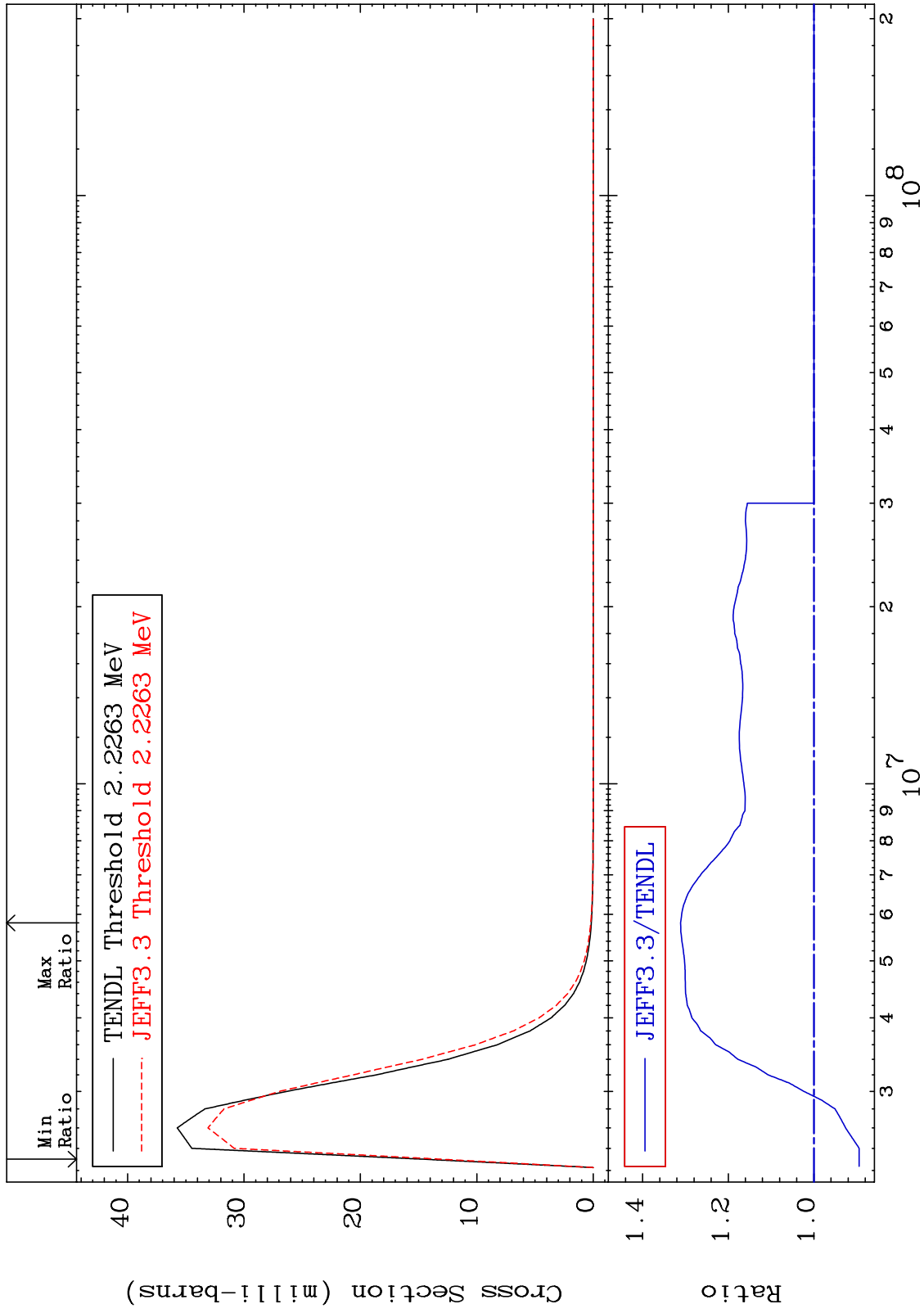
62-Sm-146
-14.99 To 24.90 %



MAT 6231

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

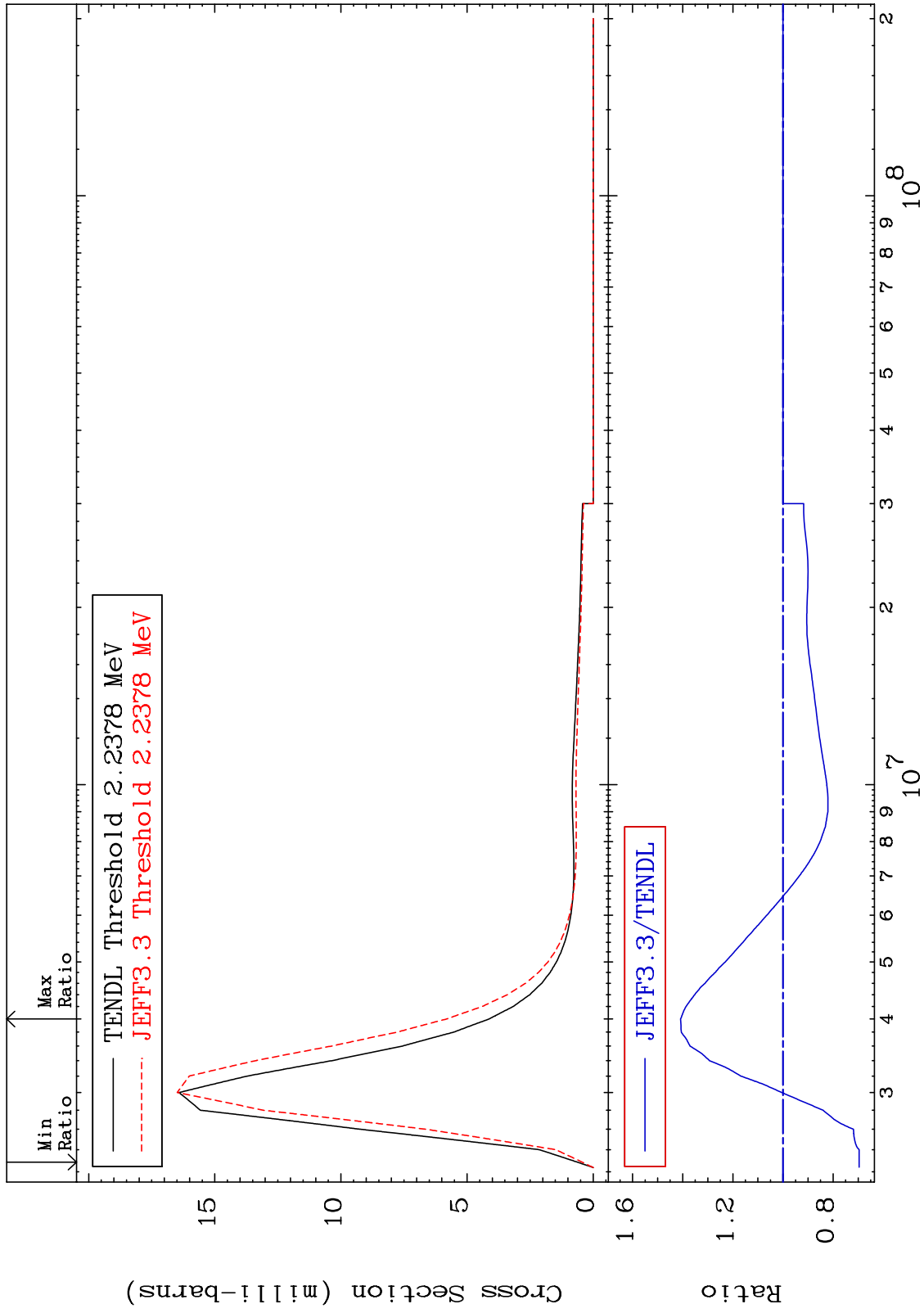
62-Sm-146
-10.56 To 31.12 %



MAT 6231

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

62-Sm-146
-30.40 To 40.84 %



30

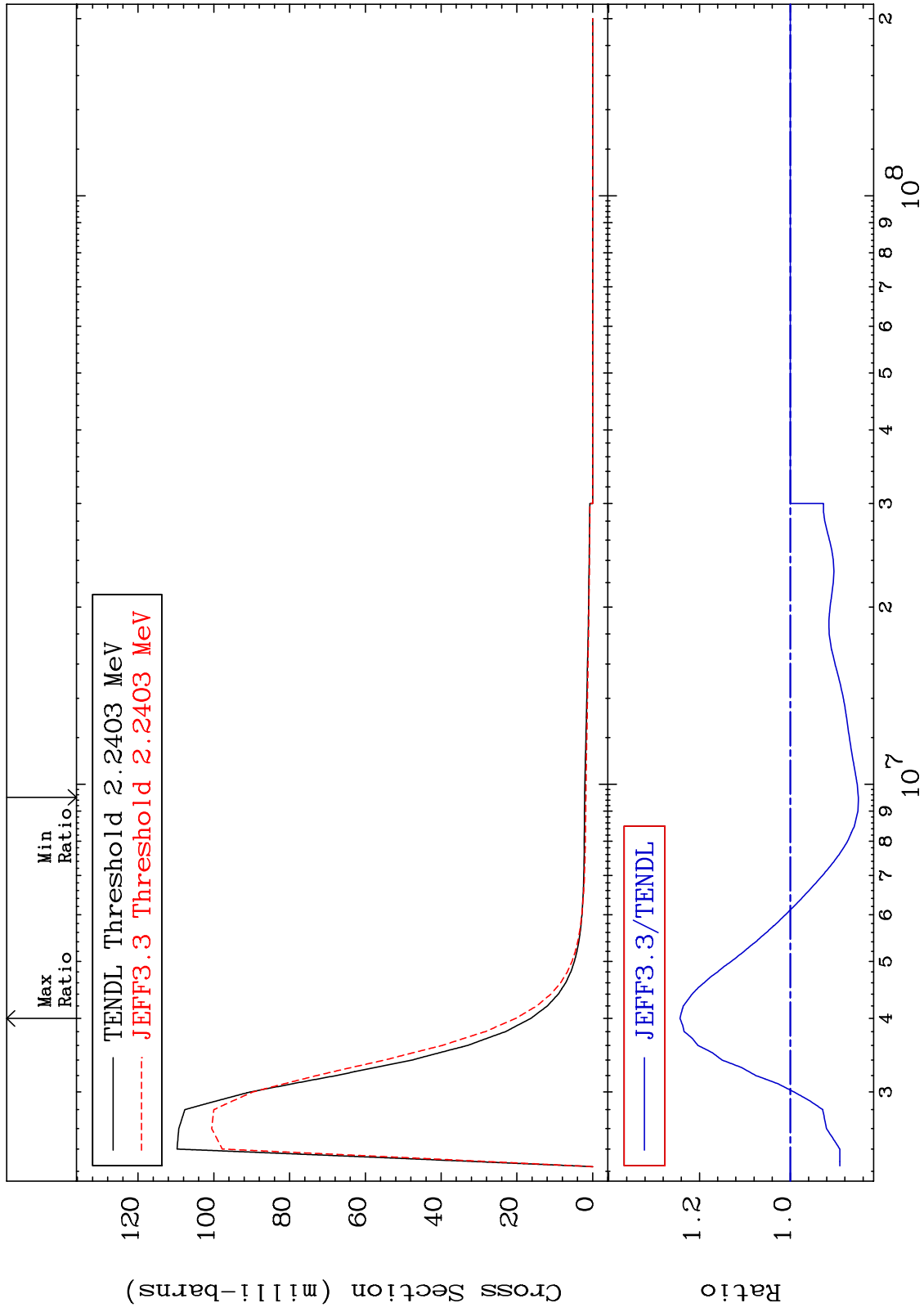
Incident Energy (eV)

62-Sm-146

MAT 6231

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

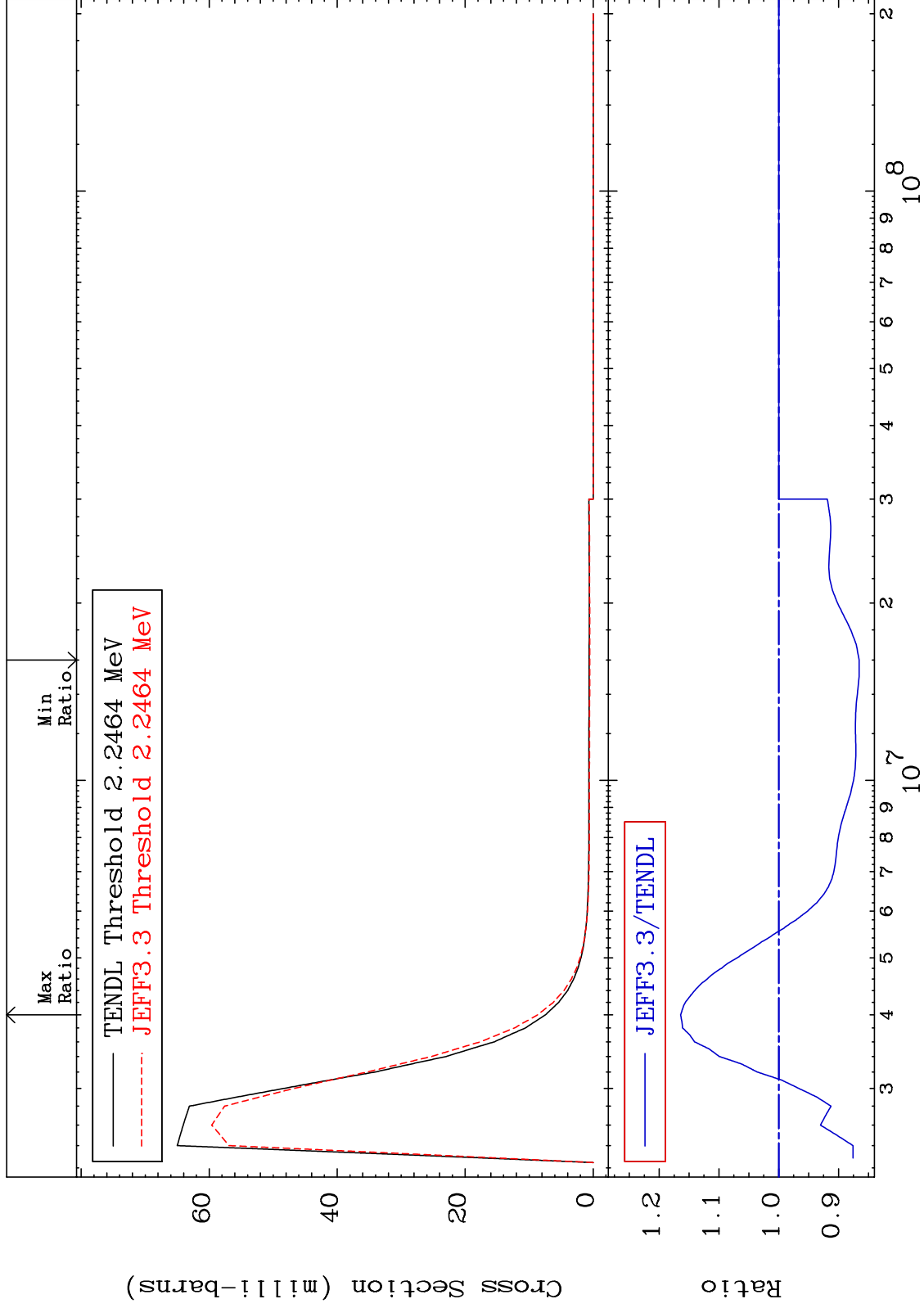
62-Sm-146
-14.97 To 24.29 %



MAT 6231

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

62-Sm-146
-13.45 To 16.41 %



32

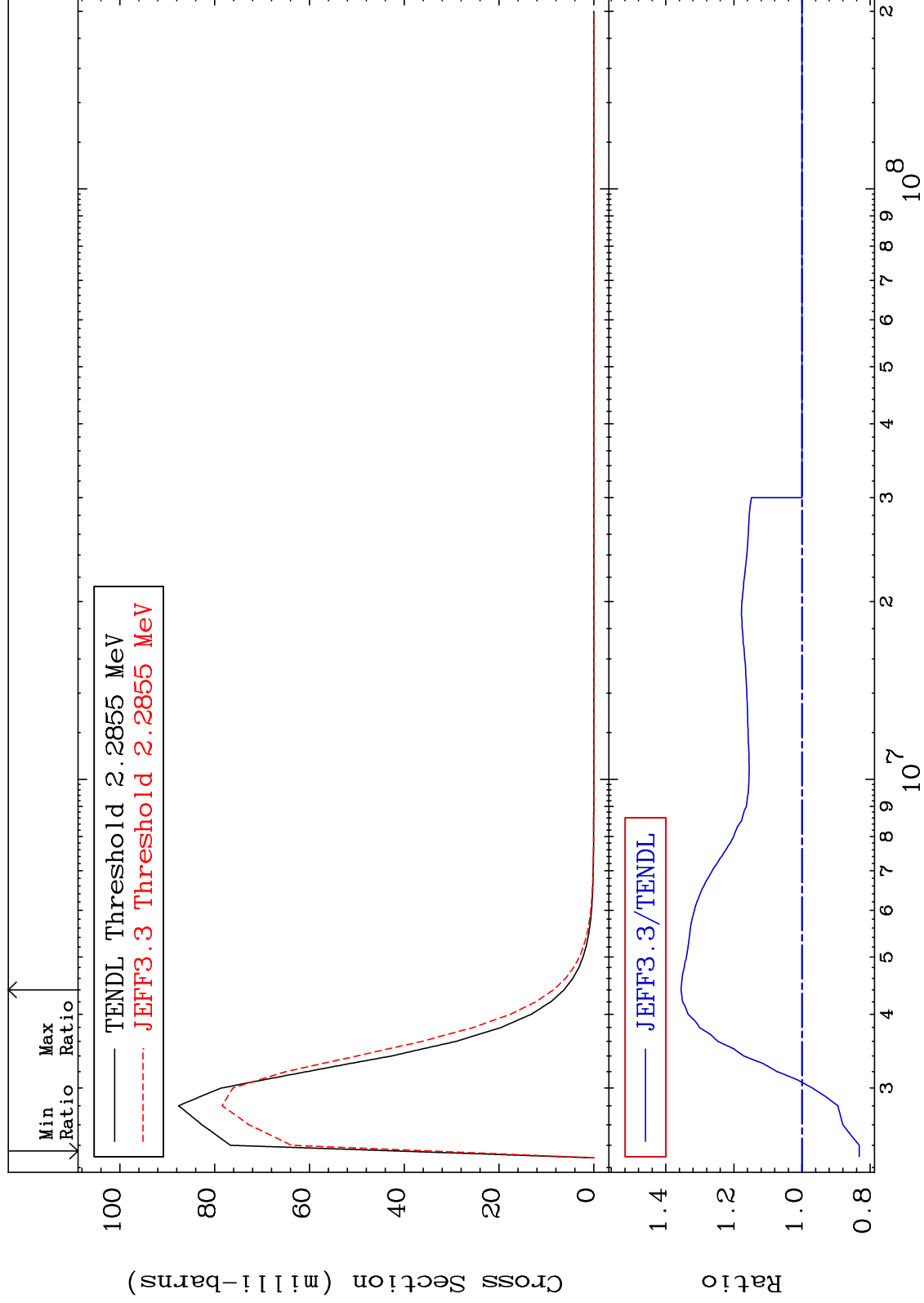
Incident Energy (eV)

62-Sm-146

MAT 6231

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

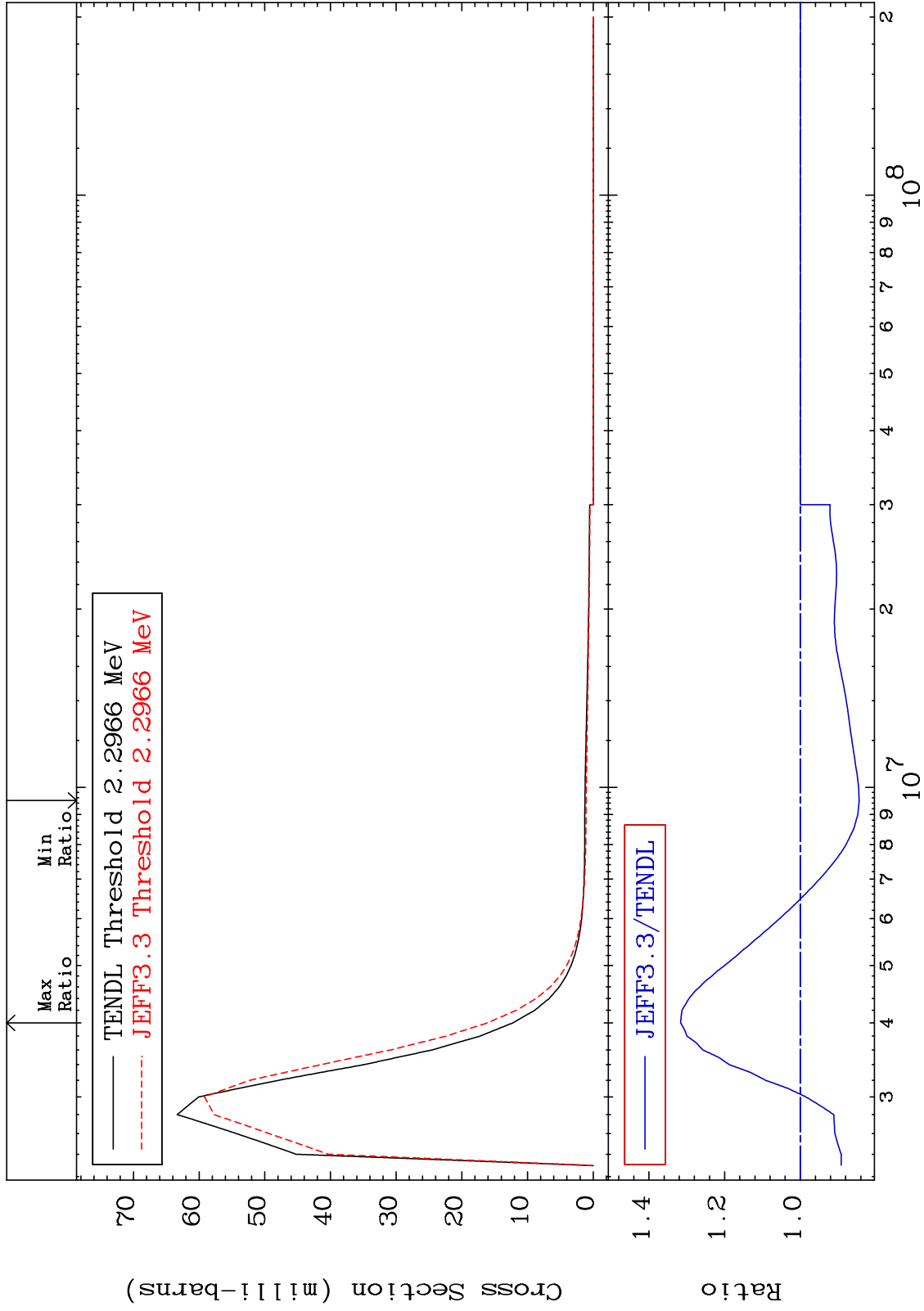
62-Sm-146
-16.81 To 35.51 %



MAT 6231

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

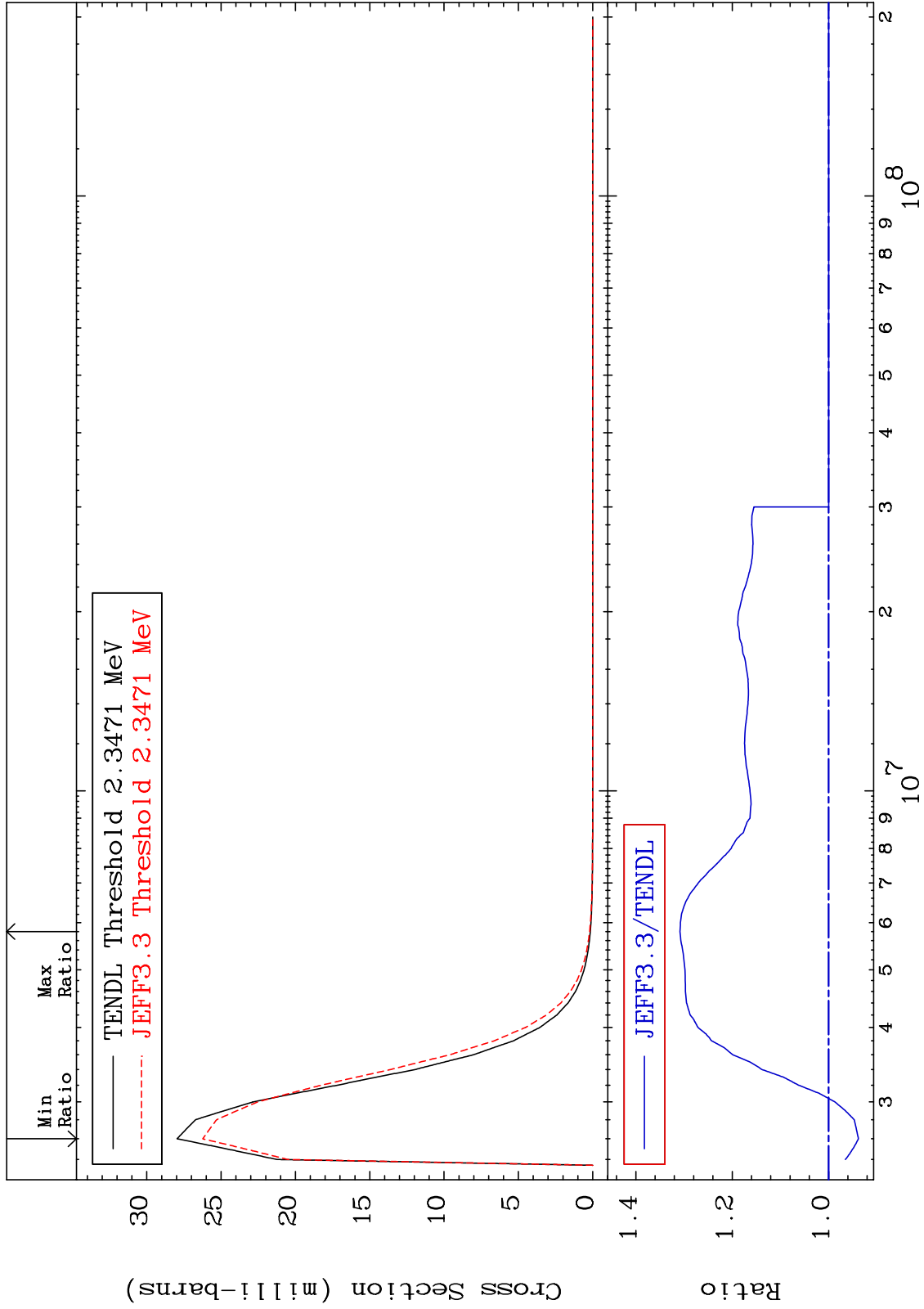
62-Sm-146
-15.56 To 31.63 %



MAT 6231

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

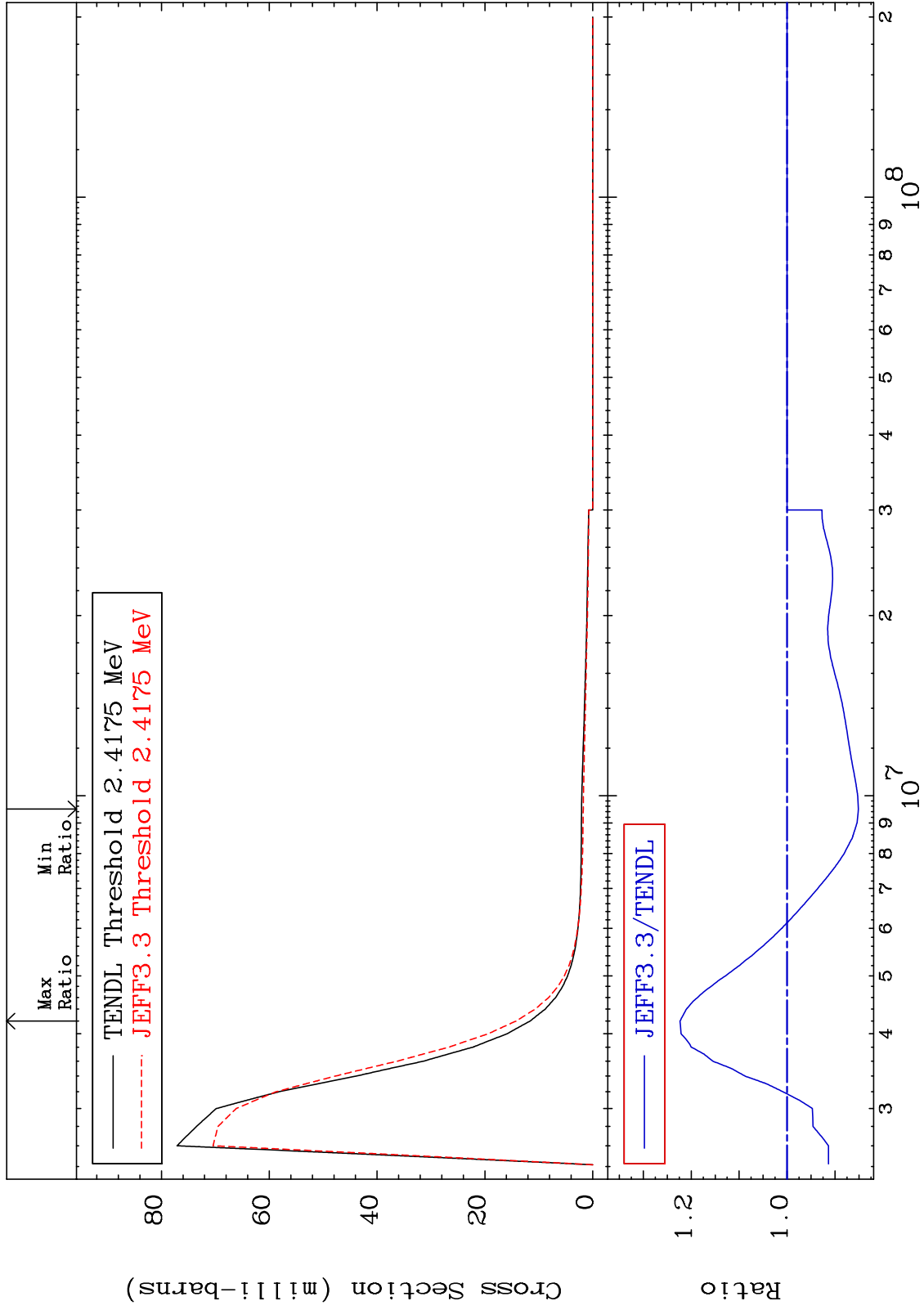
62-Sm-146
-6.186 To 30.83 %



MAT 6231

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

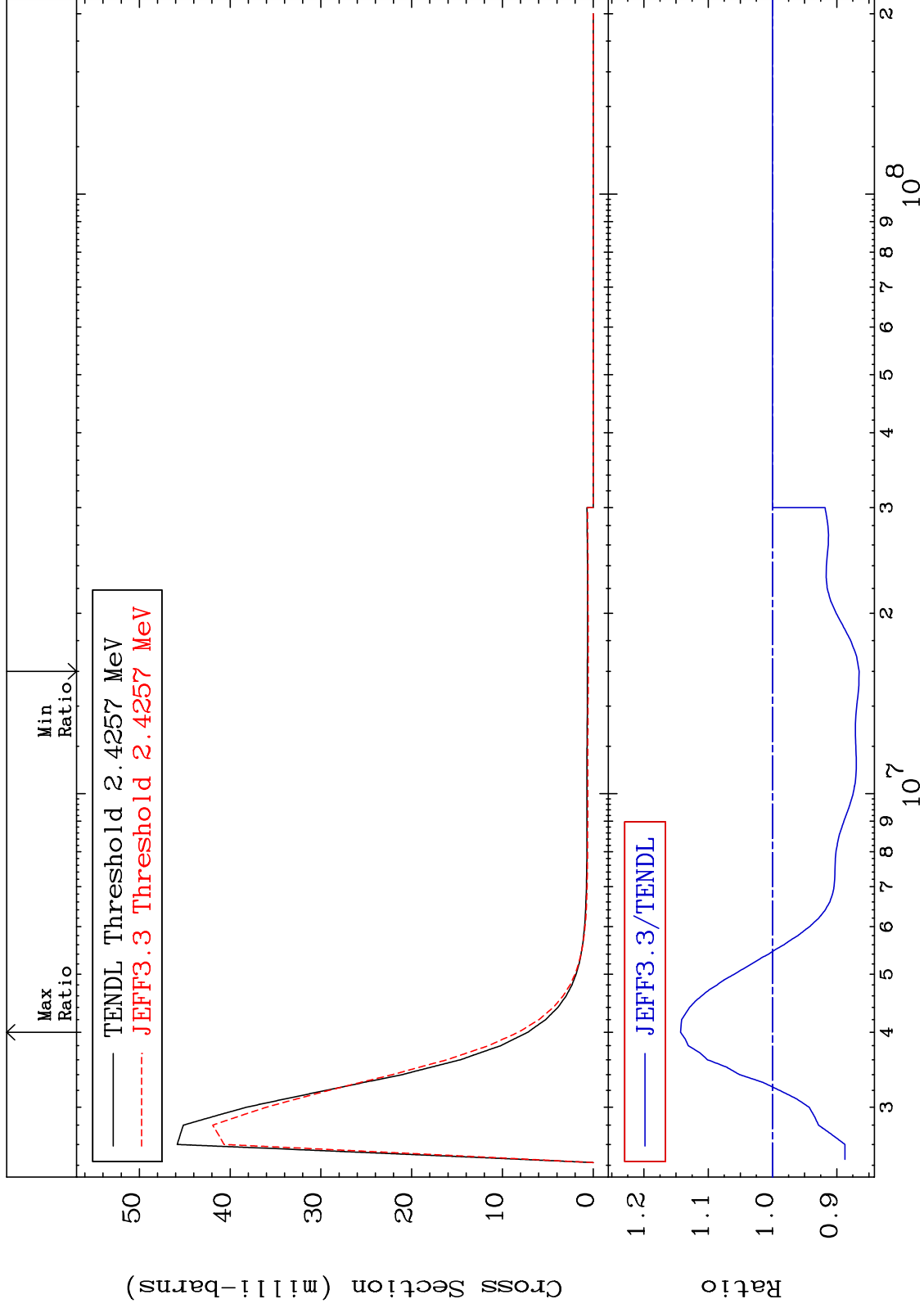
62-Sm-146
-14.88 To 22.34 %



MAT 6231

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

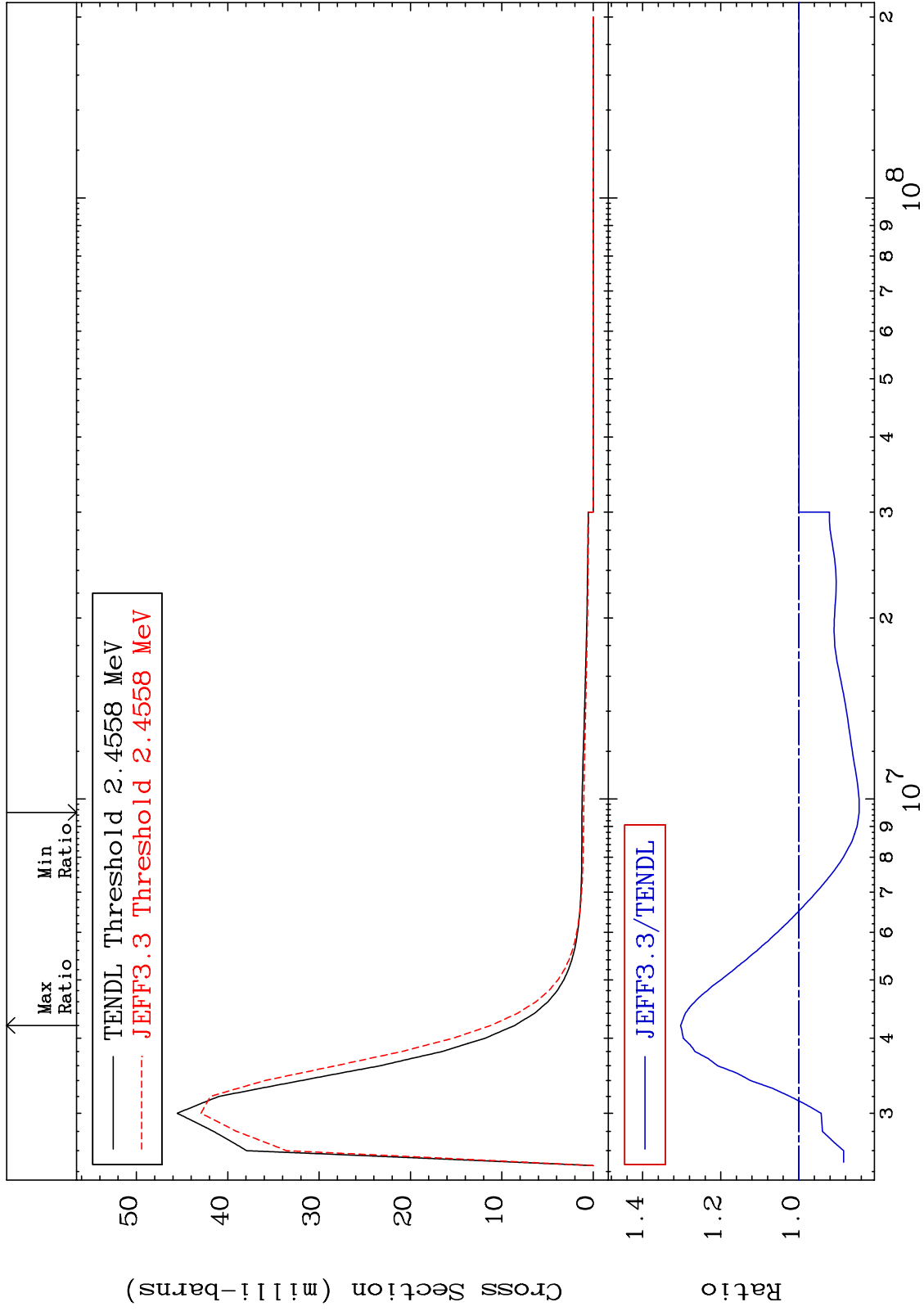
62-Sm-146
-13.49 To 14.29 %



MAT 6231

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

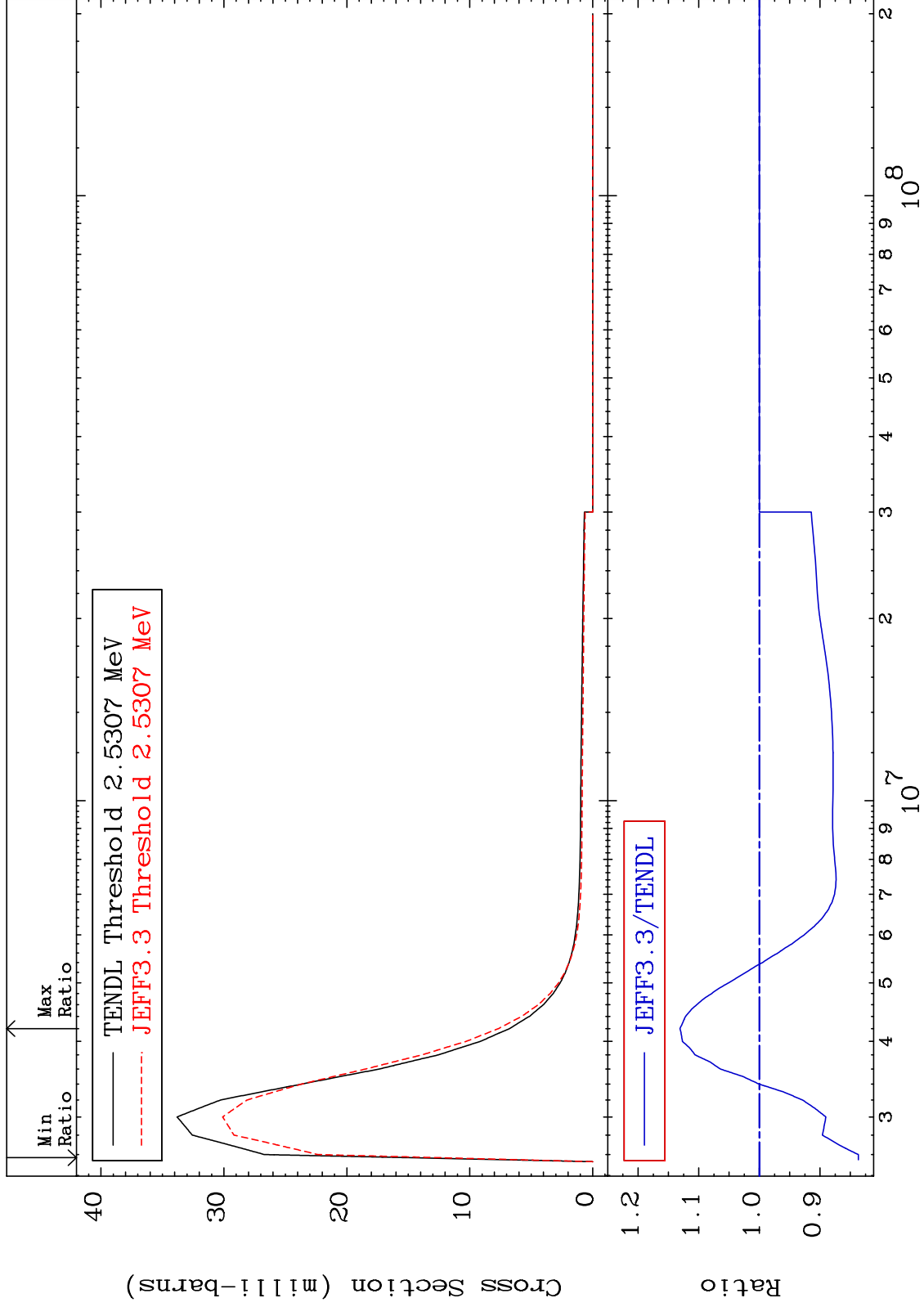
62-Sm-146
-15.45 To 30.27 %



MAT 6231

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

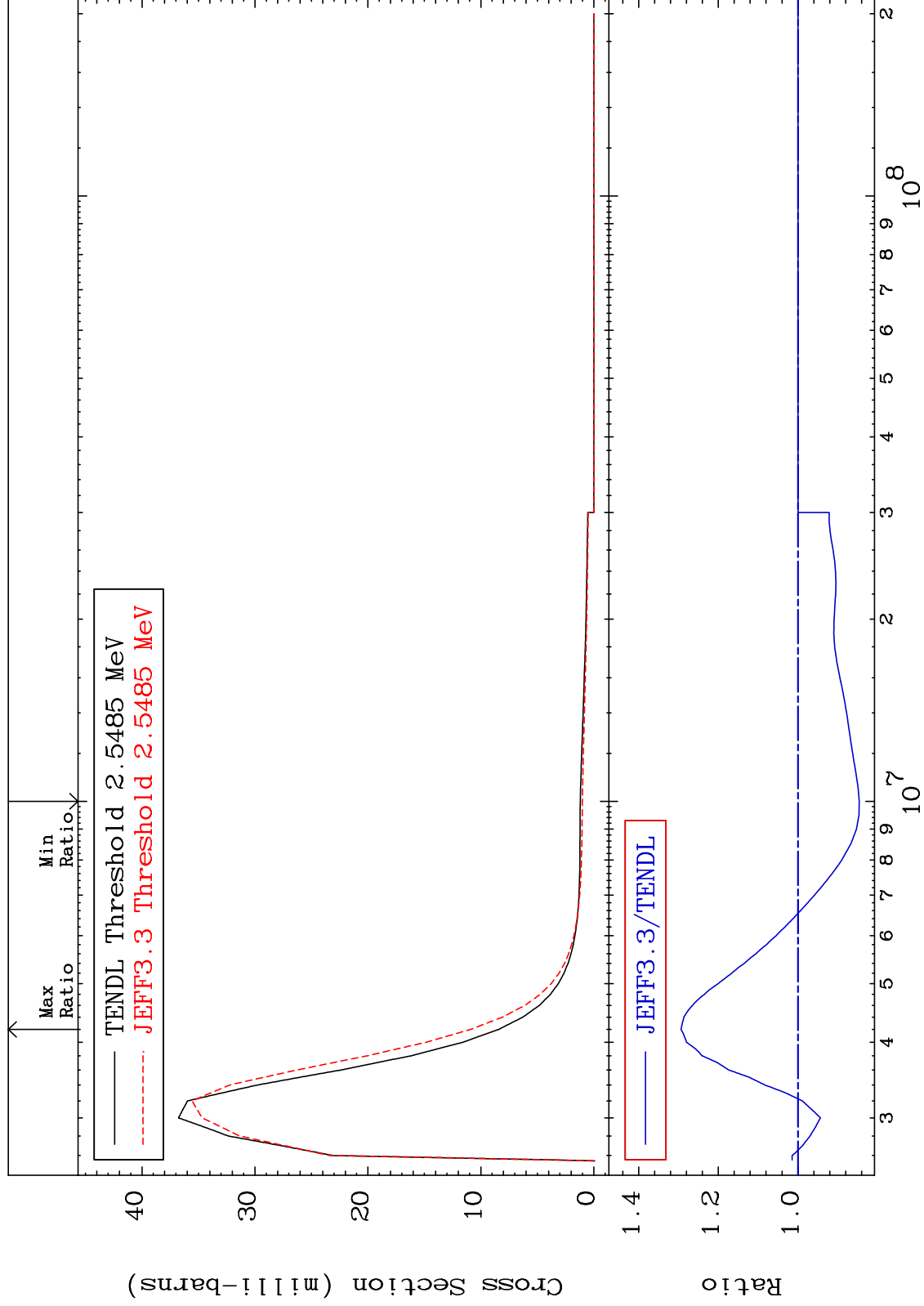
62-Sm-146
-16.33 To 13.08 %



MAT 6231

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

62-Sm-146
-15.43 To 29.37 %



40

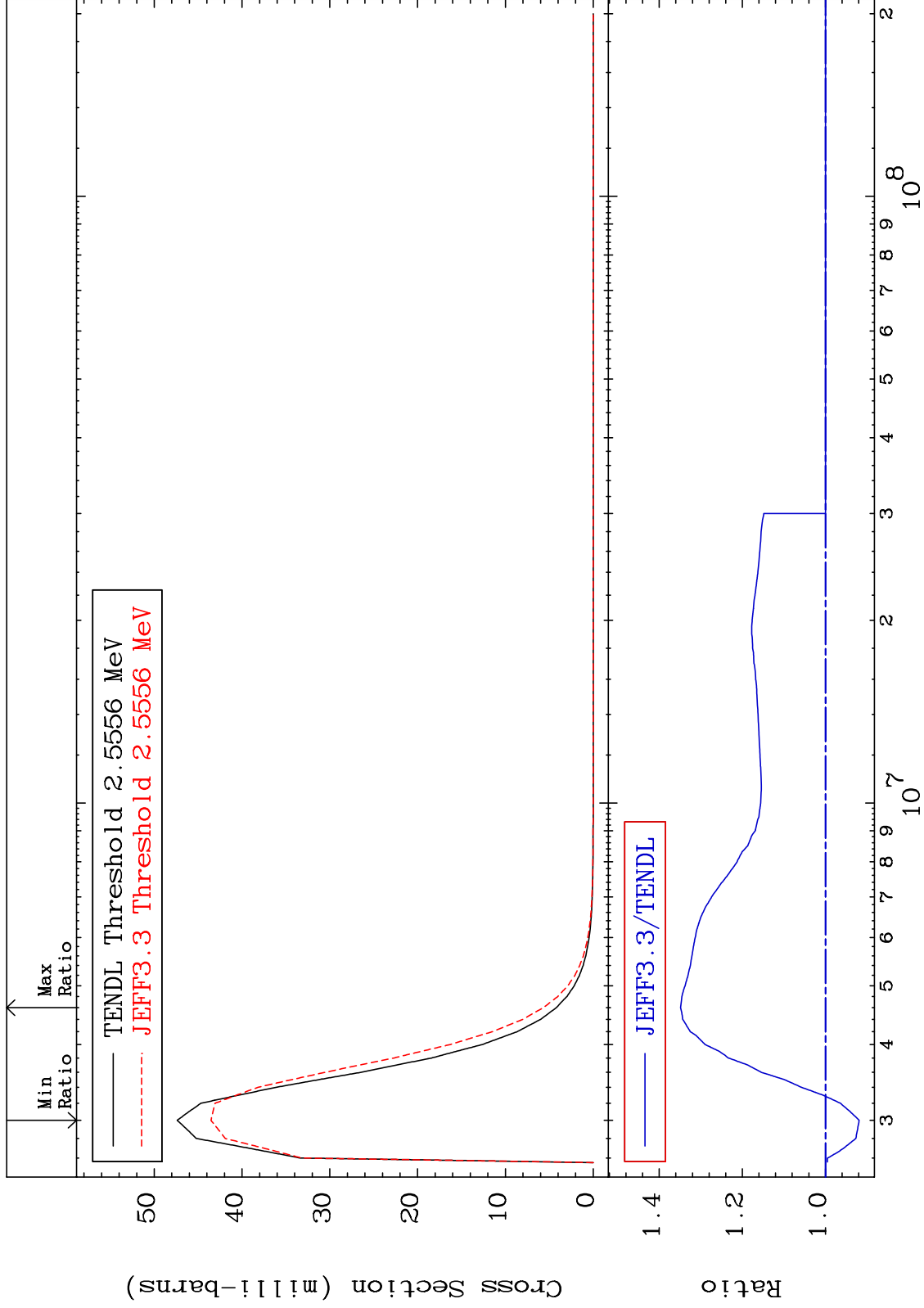
Incident Energy (eV)

62-Sm-146

MAT 6231

MT= 71 (n,n') Level
Cross Section

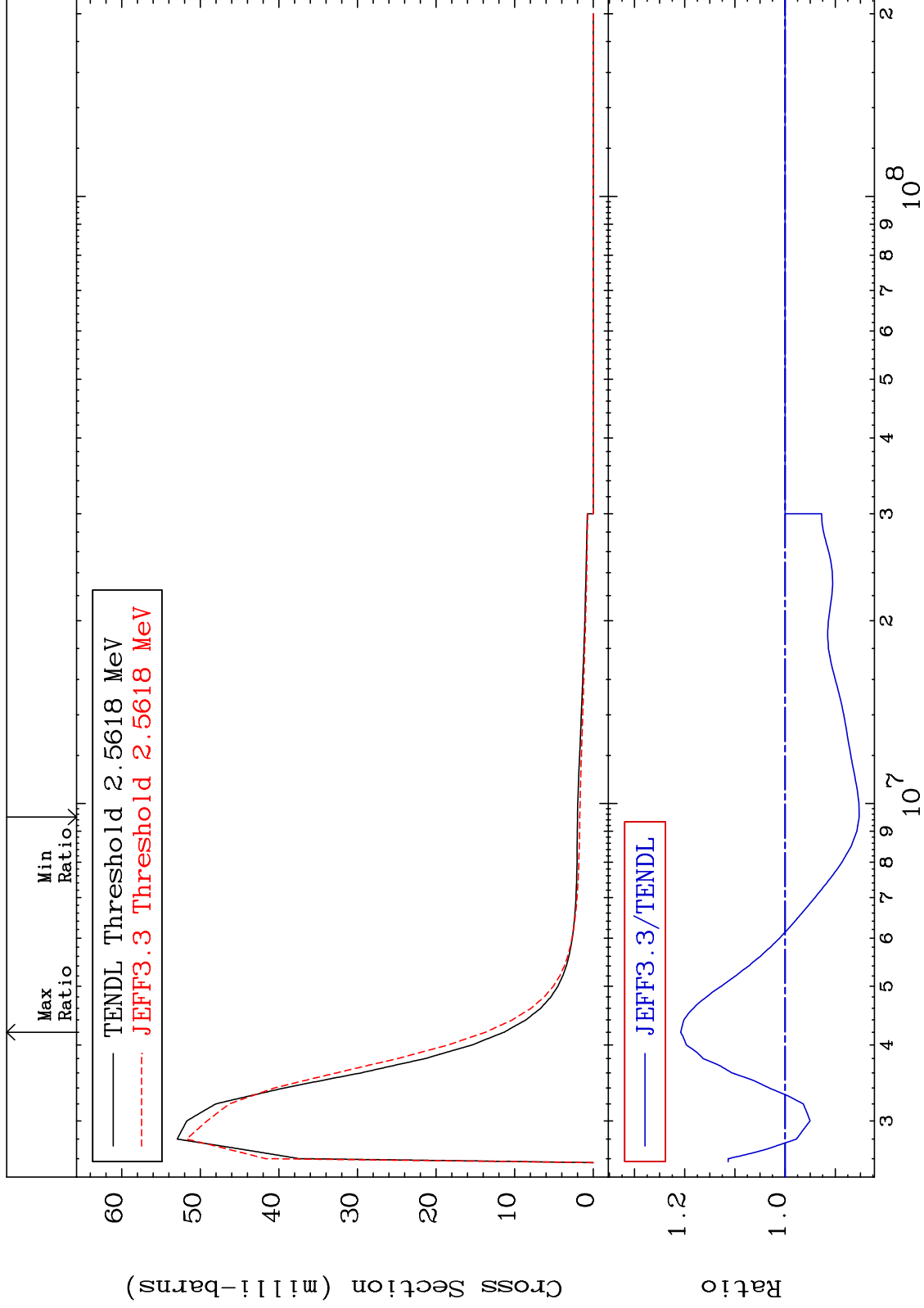
62-Sm-146
-8.110 To 34.85 %



MAT 6231

MT= 72 (n,n') Level
Cross Section

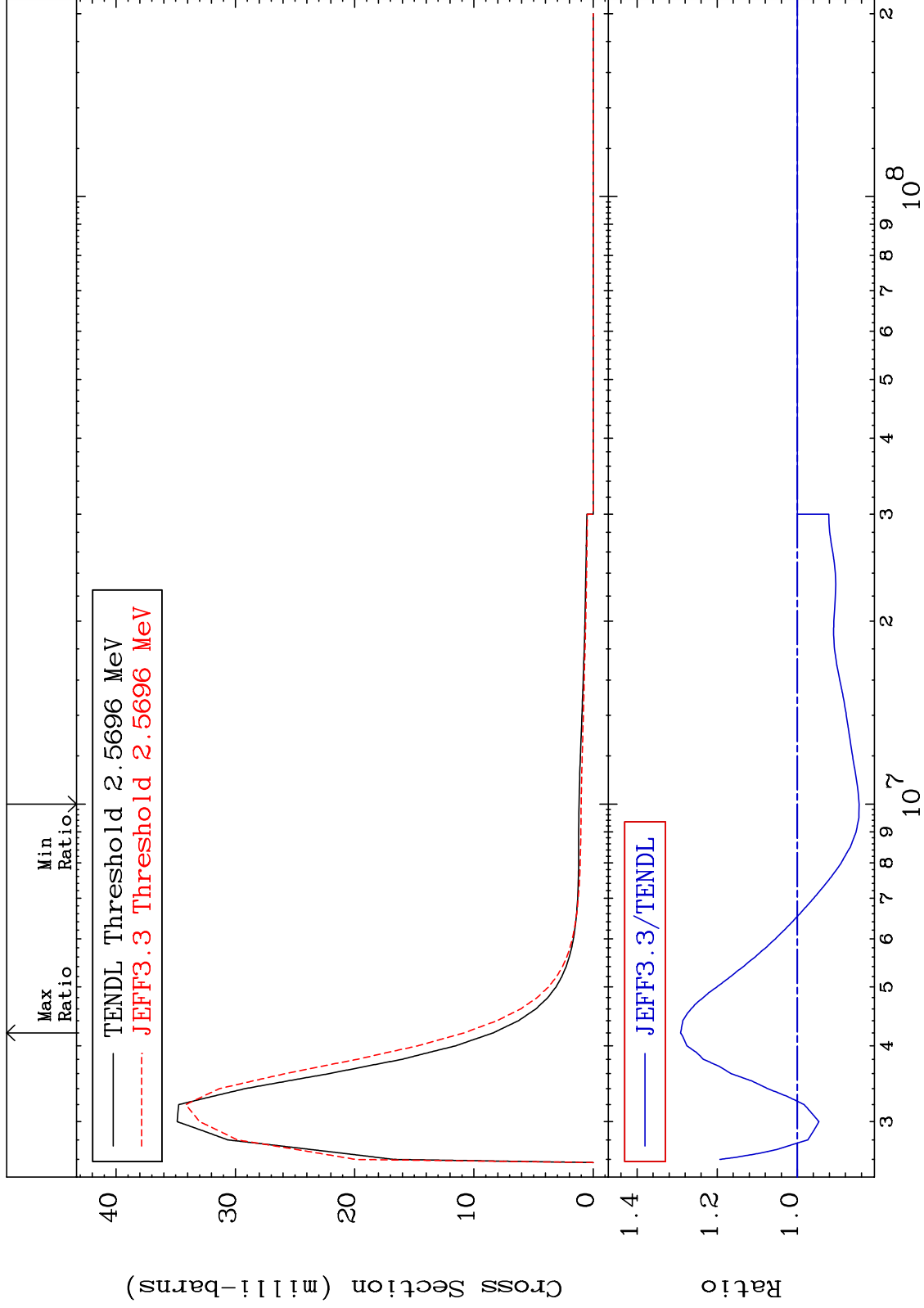
62-Sm-146
-14.77 To 20.82 %



MAT 6231

MT= 73 (n, n') Level
Cross Section

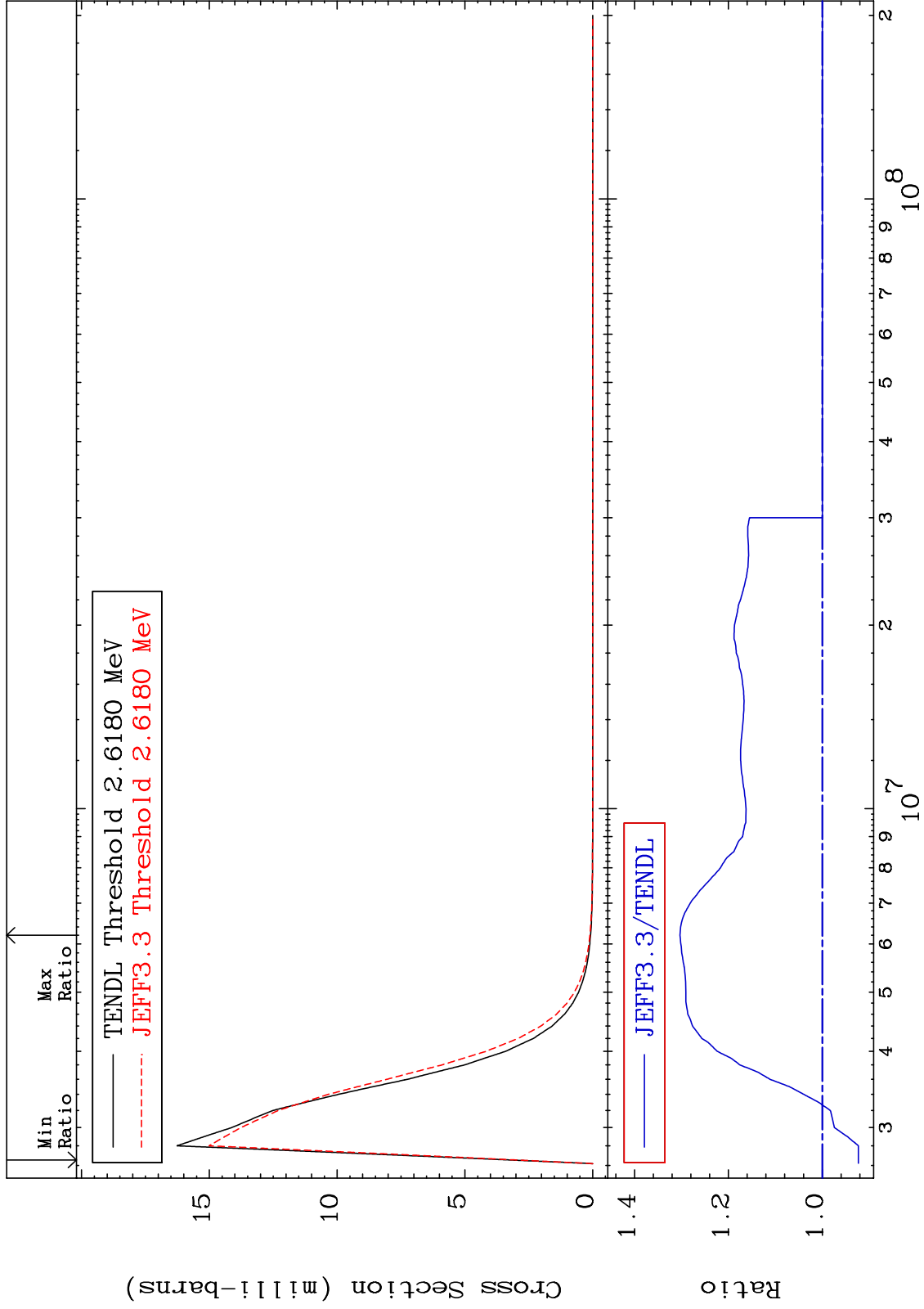
62-Sm-146
-15.42 To 29.12 %



MAT 6231

MT= 74 (n,n') Level
Cross Section

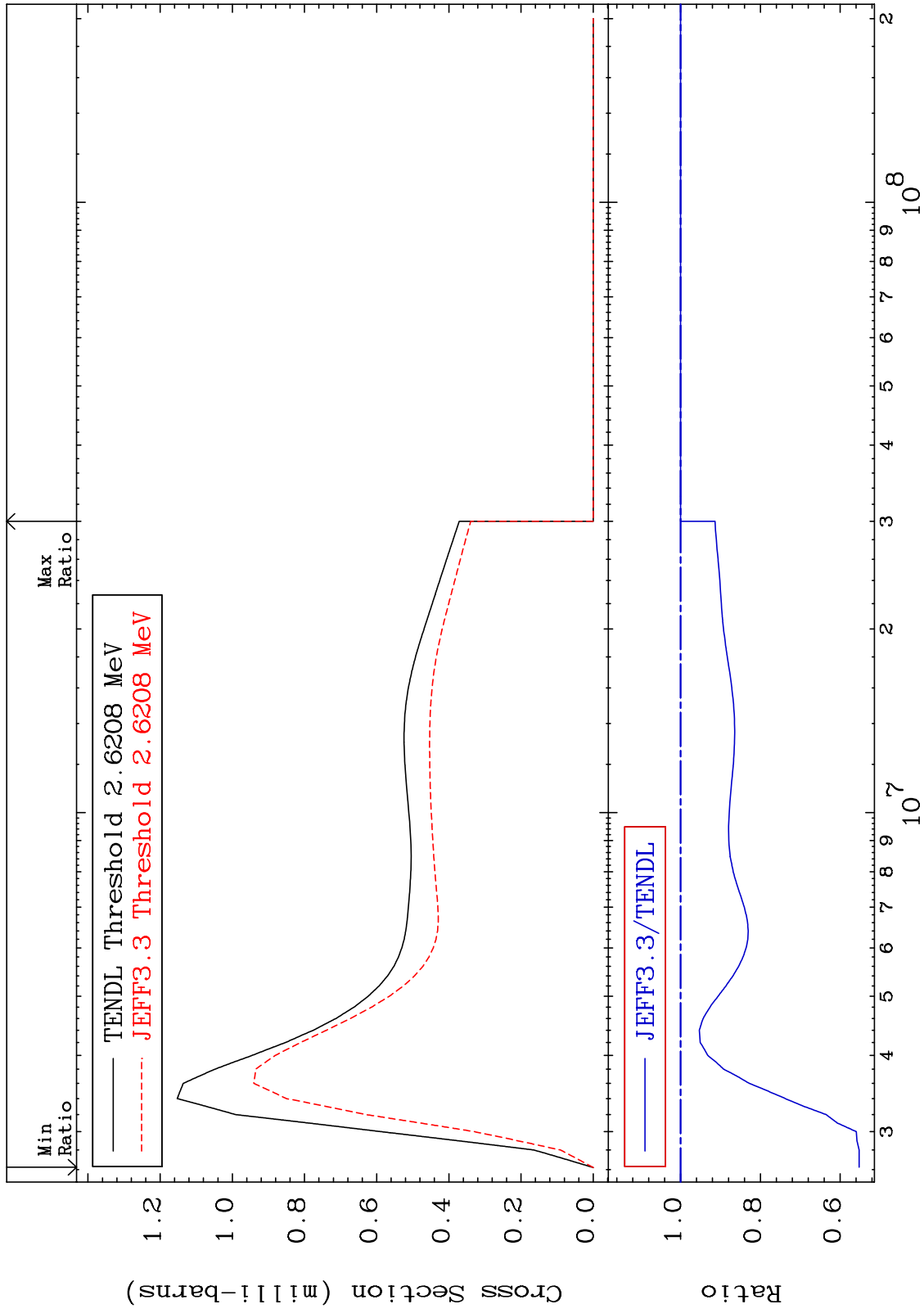
62-Sm-146
-7.691 To 30.31 %



MAT 6231

MT= 75 (n, n') Level
Cross Section

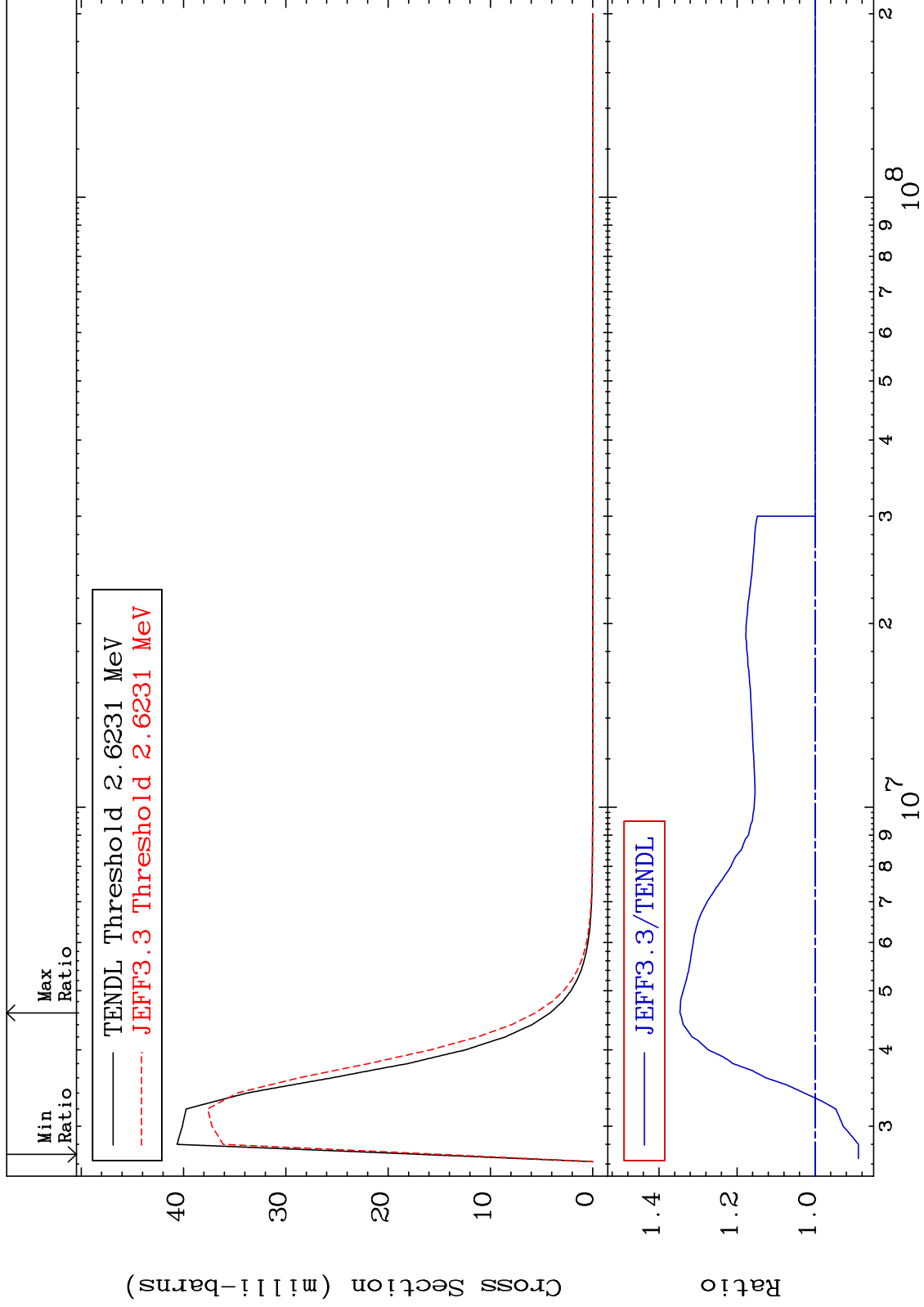
62-Sm-146
-44.76 To 0.000 %



MAT 6231

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

62-Sm-146
-11.09 To 34.62 %



46

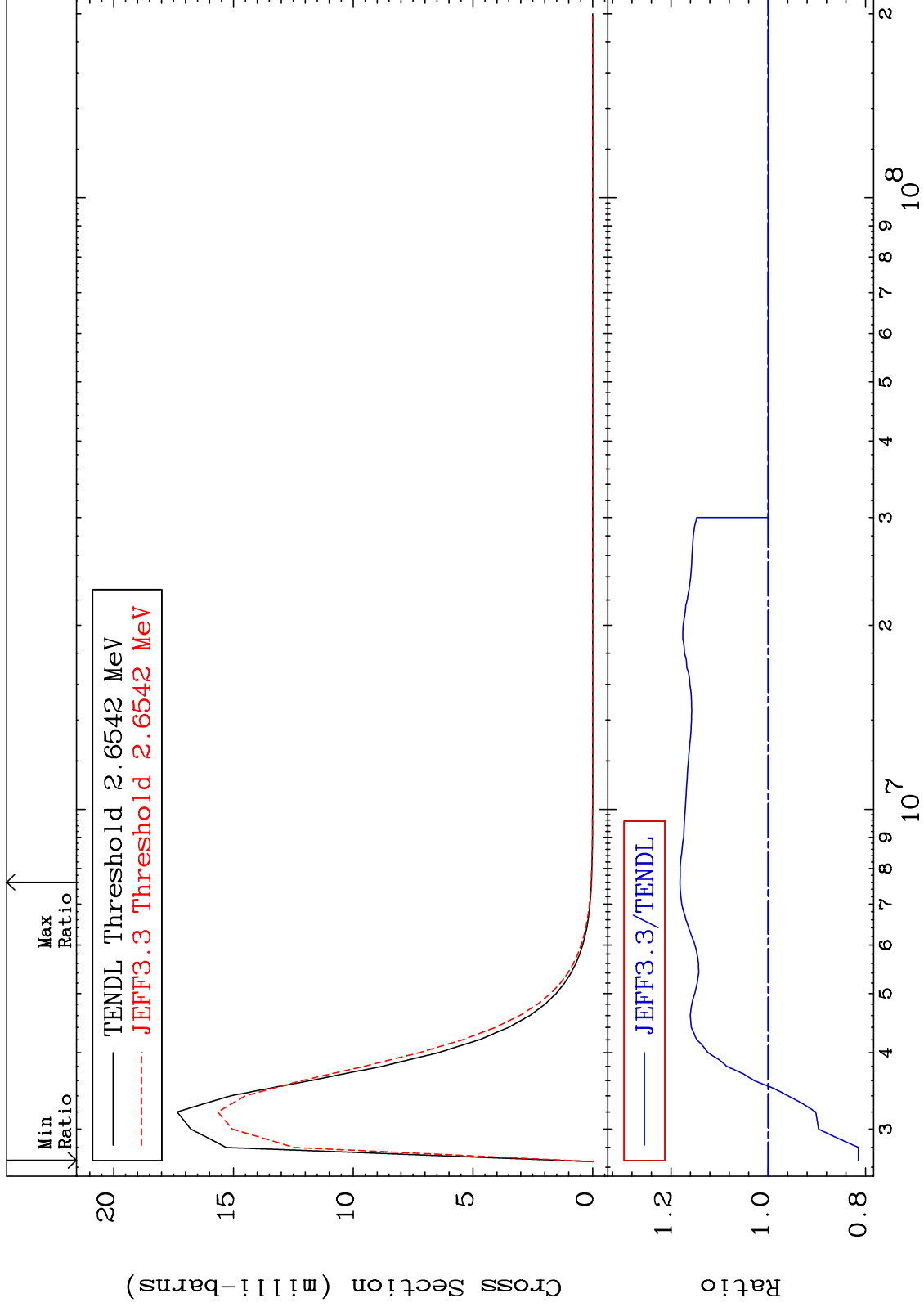
Incident Energy (eV)

62-Sm-146

MAT 6231

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

62-Sm-146
-18.55 To 18.13 %



47

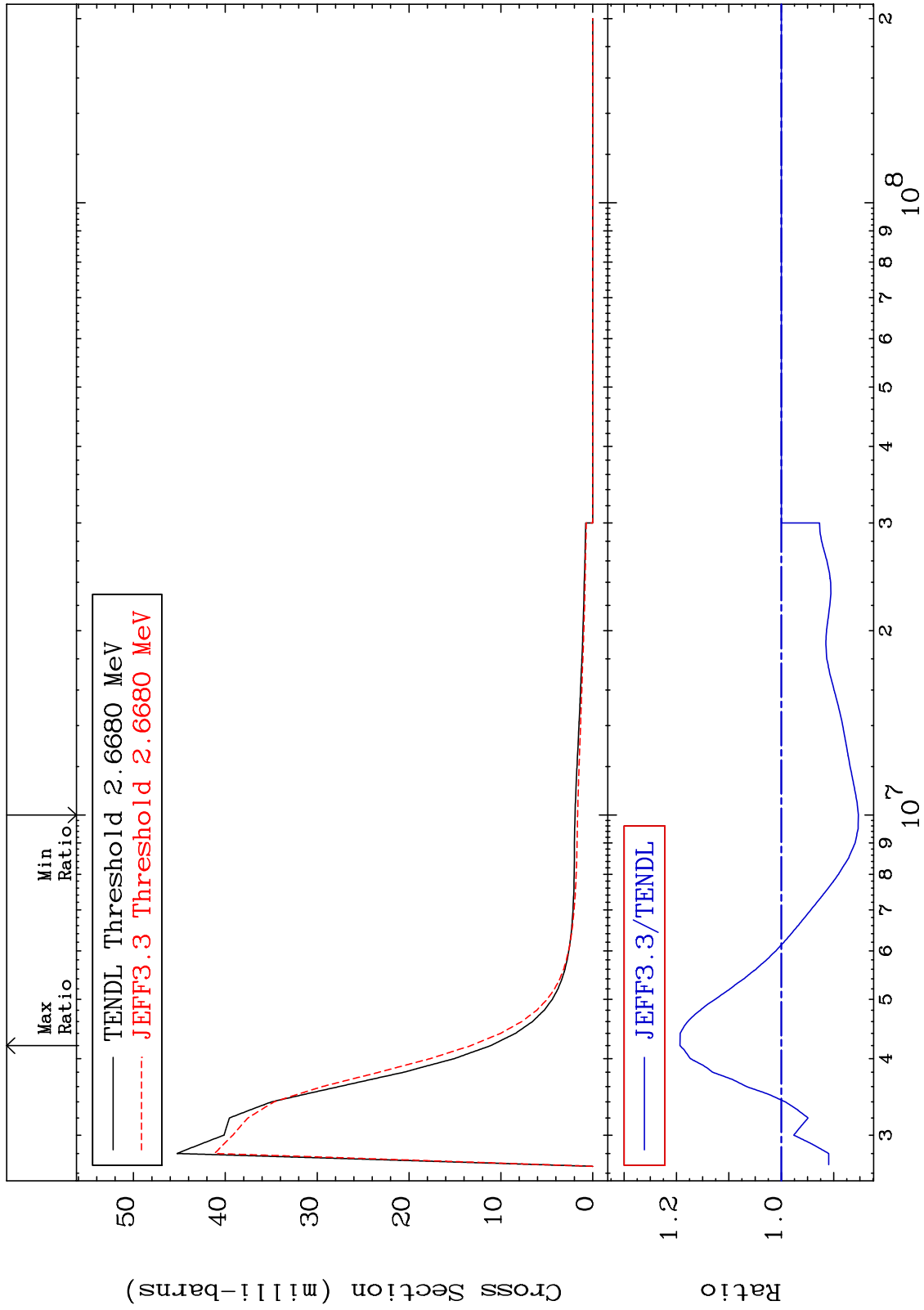
Incident Energy (eV)

62-Sm-146

MAT 6231

MT= 78 (n,n') Level
Cross Section

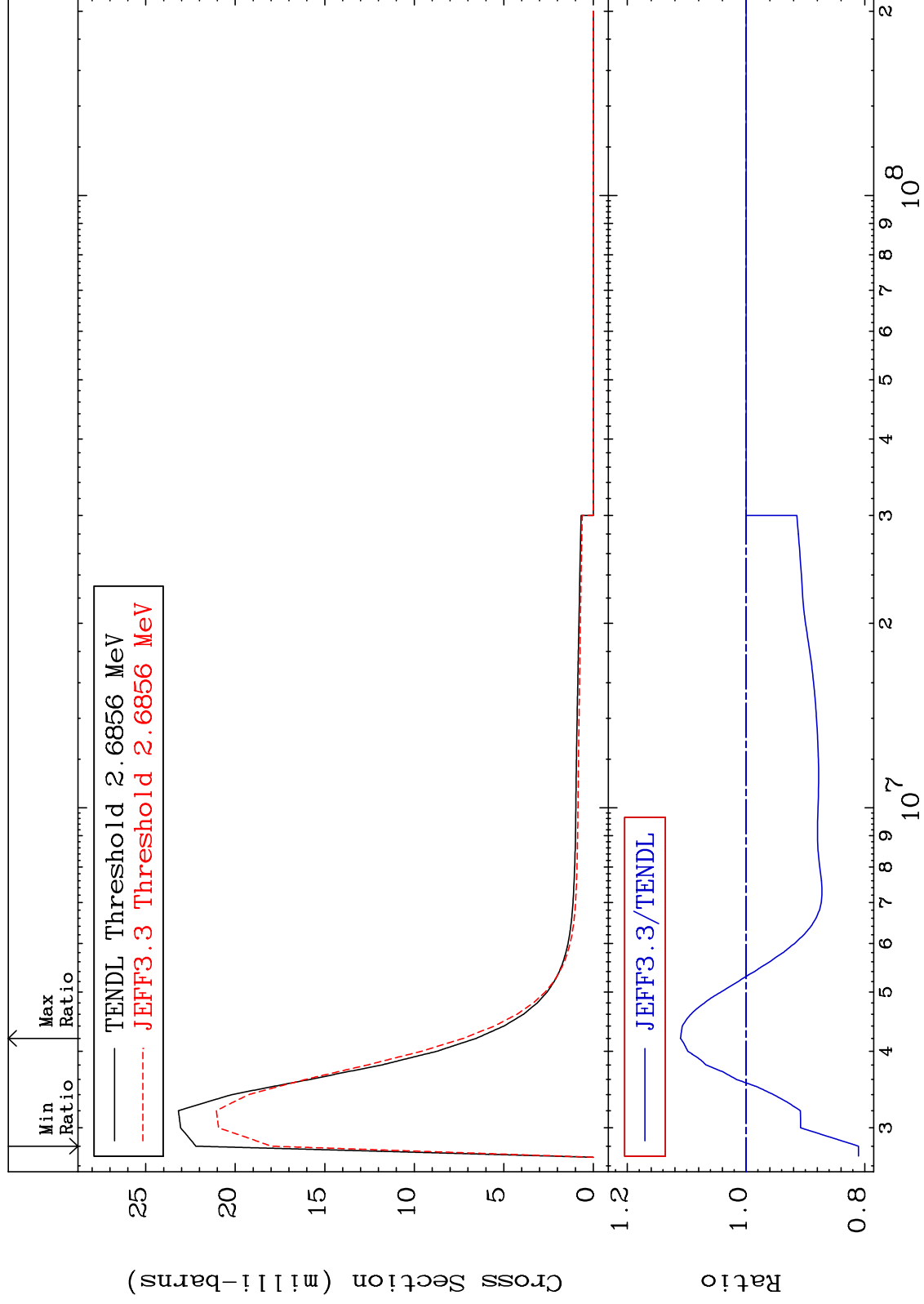
62-Sm-146
-14.71 To 19.32 %



MAT 6231

MT= 79 (n,n') Level
Cross Section

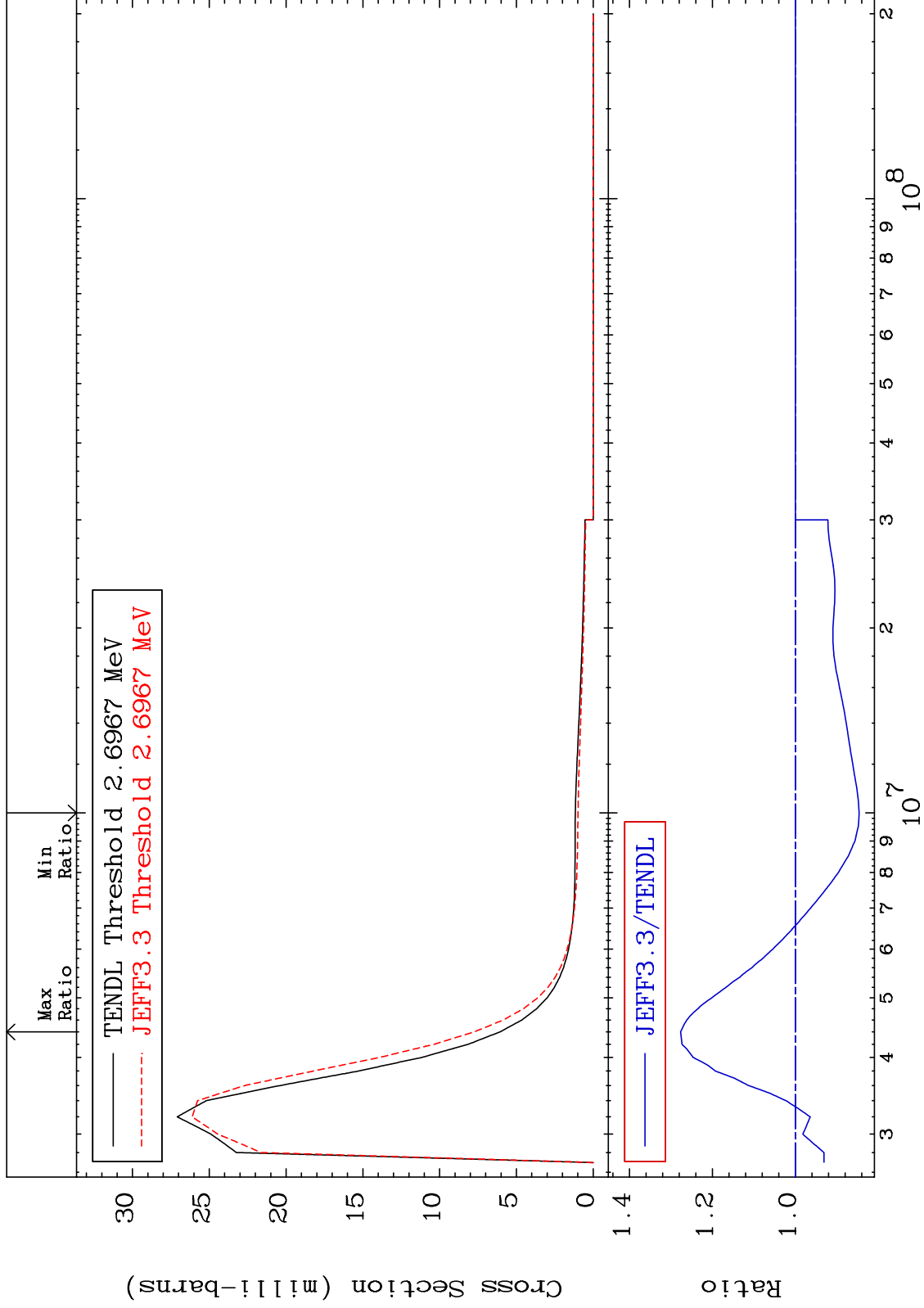
62-Sm-146
-18.96 To 11.05 %



MAT 6231

MT= 80 (n,n') Level
Cross Section

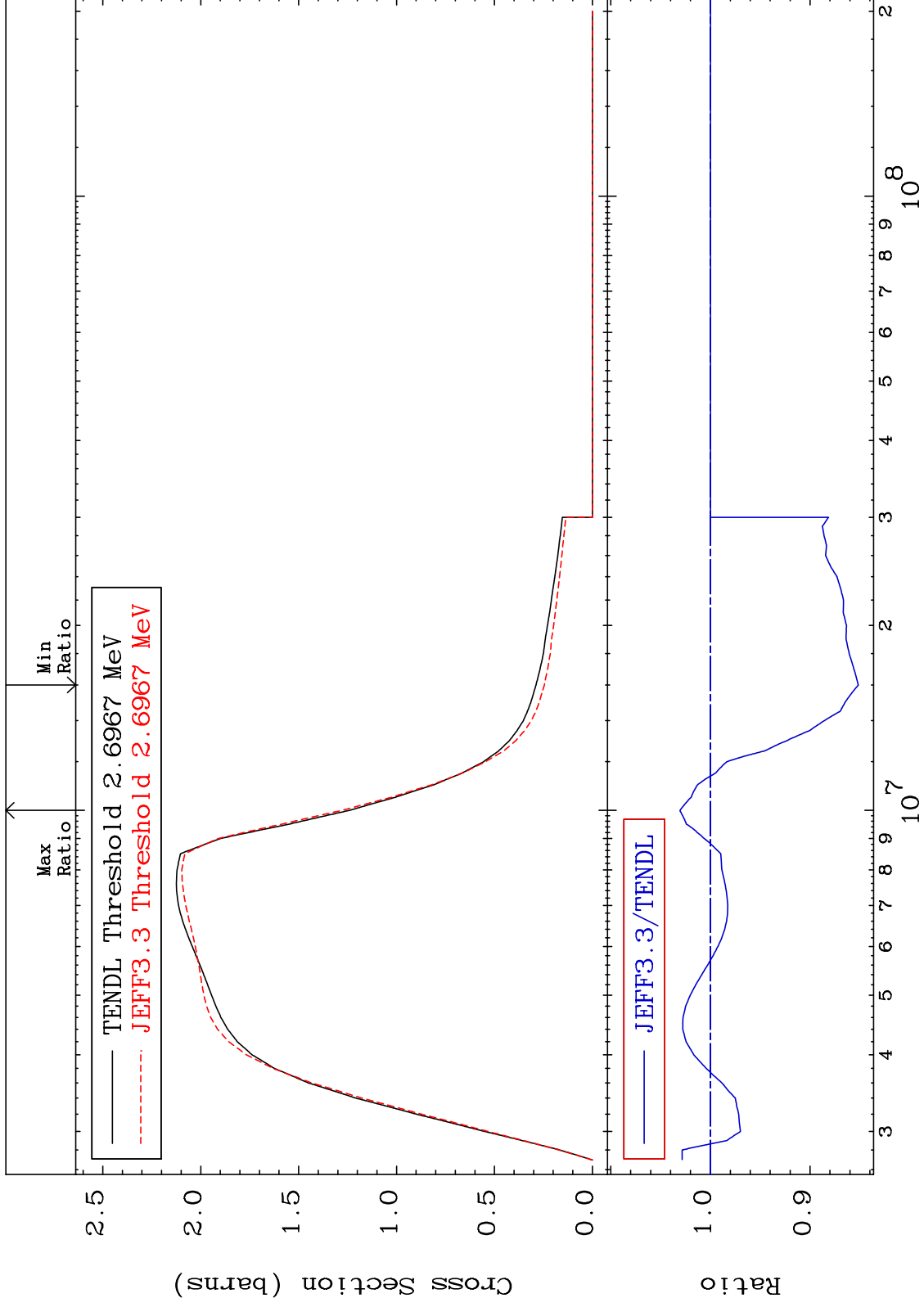
62-Sm-146
-15.39 To 27.65 %



MAT 6231

(n, n') Continuum
Cross Section

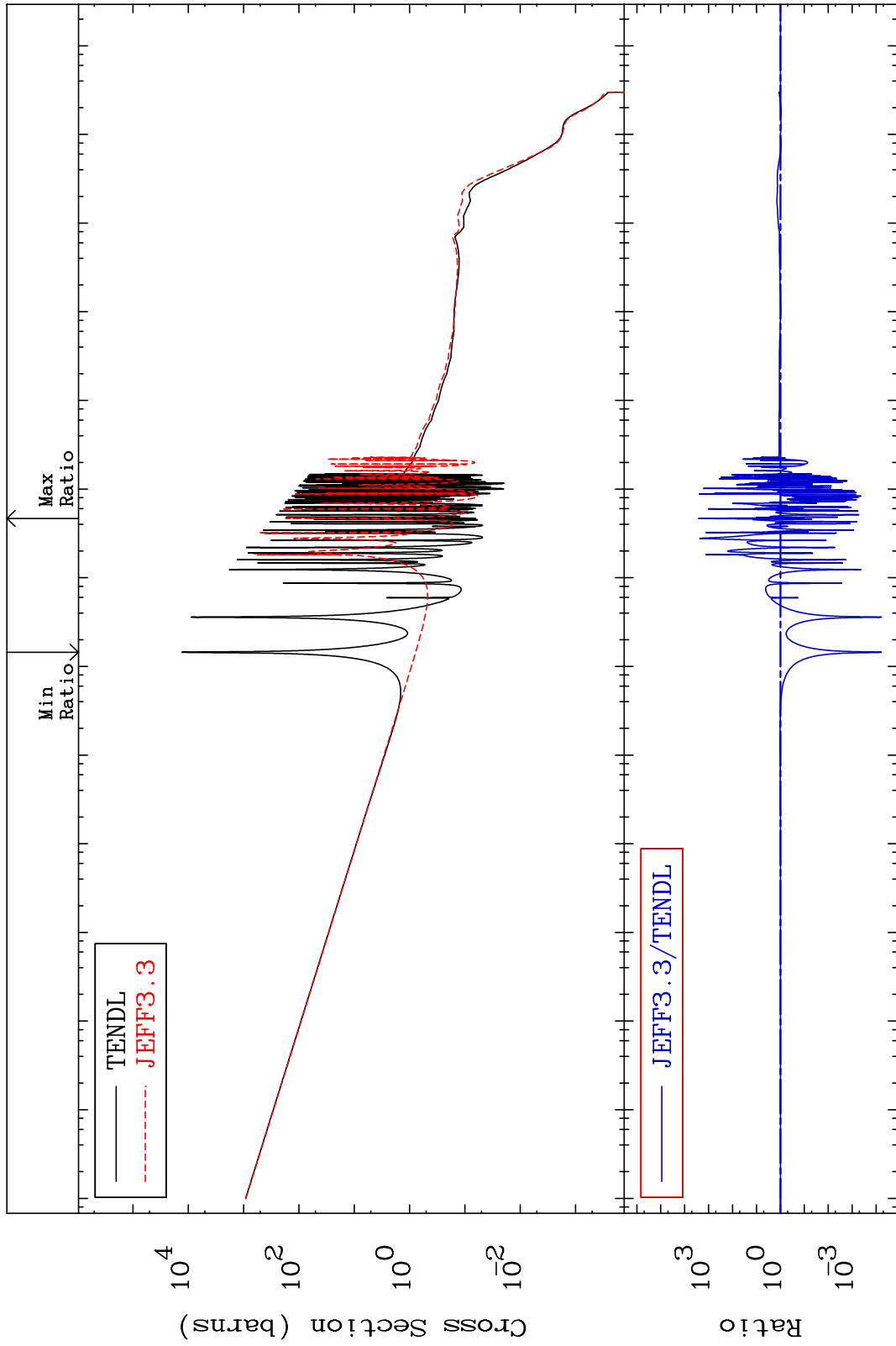
62-Sm-146
-14.84 To 3.071 %



MAT 6231

62-Sm-146
-99.99 To 9999. %

(n, γ)
Cross Section



52

Incident Energy (eV)

62-Sm-146

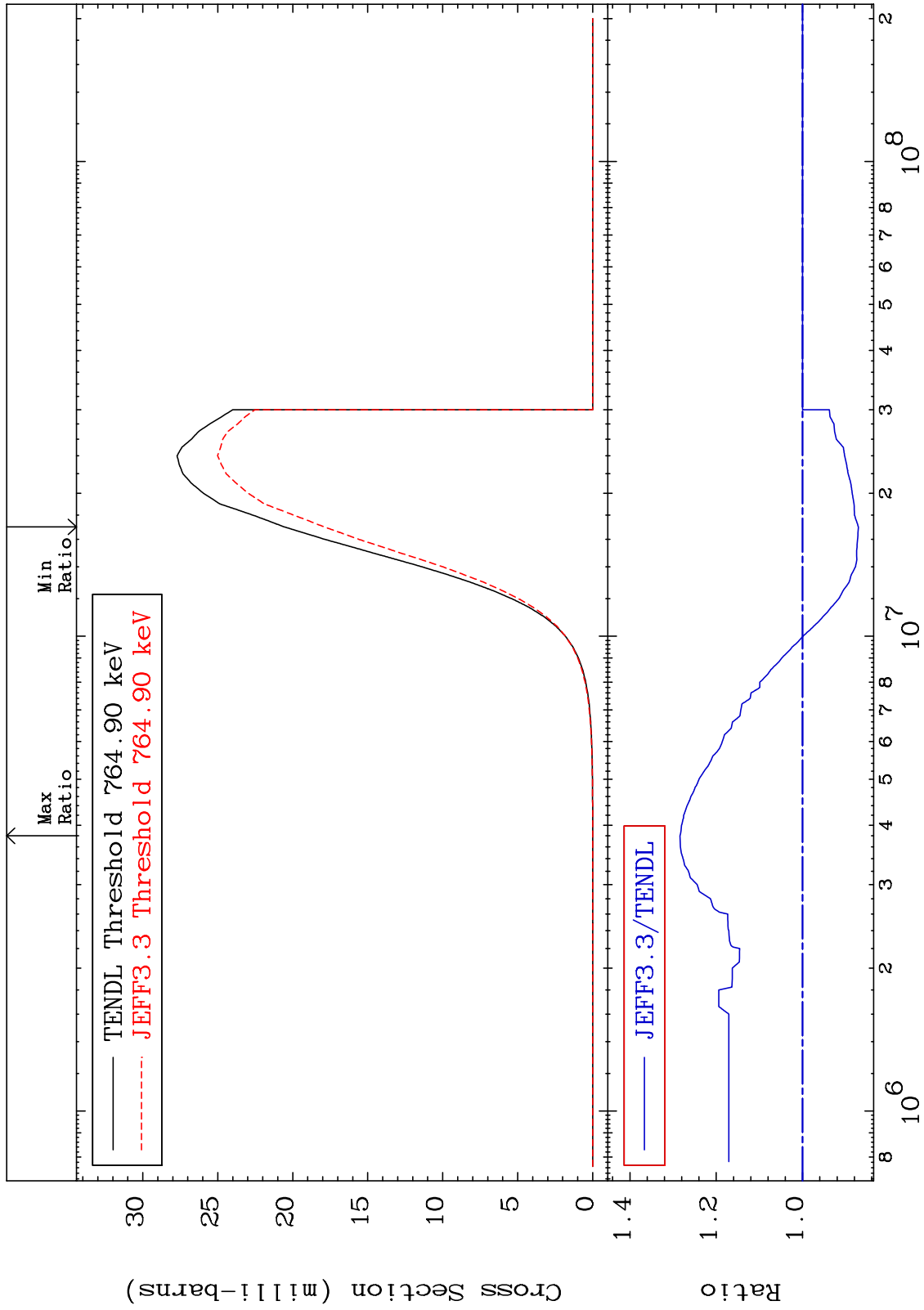
MAT 6231

(n, p)

62-Sm-146

-12.93 To 28.39 %

Cross Section



53

Incident Energy (eV)

62-Sm-146

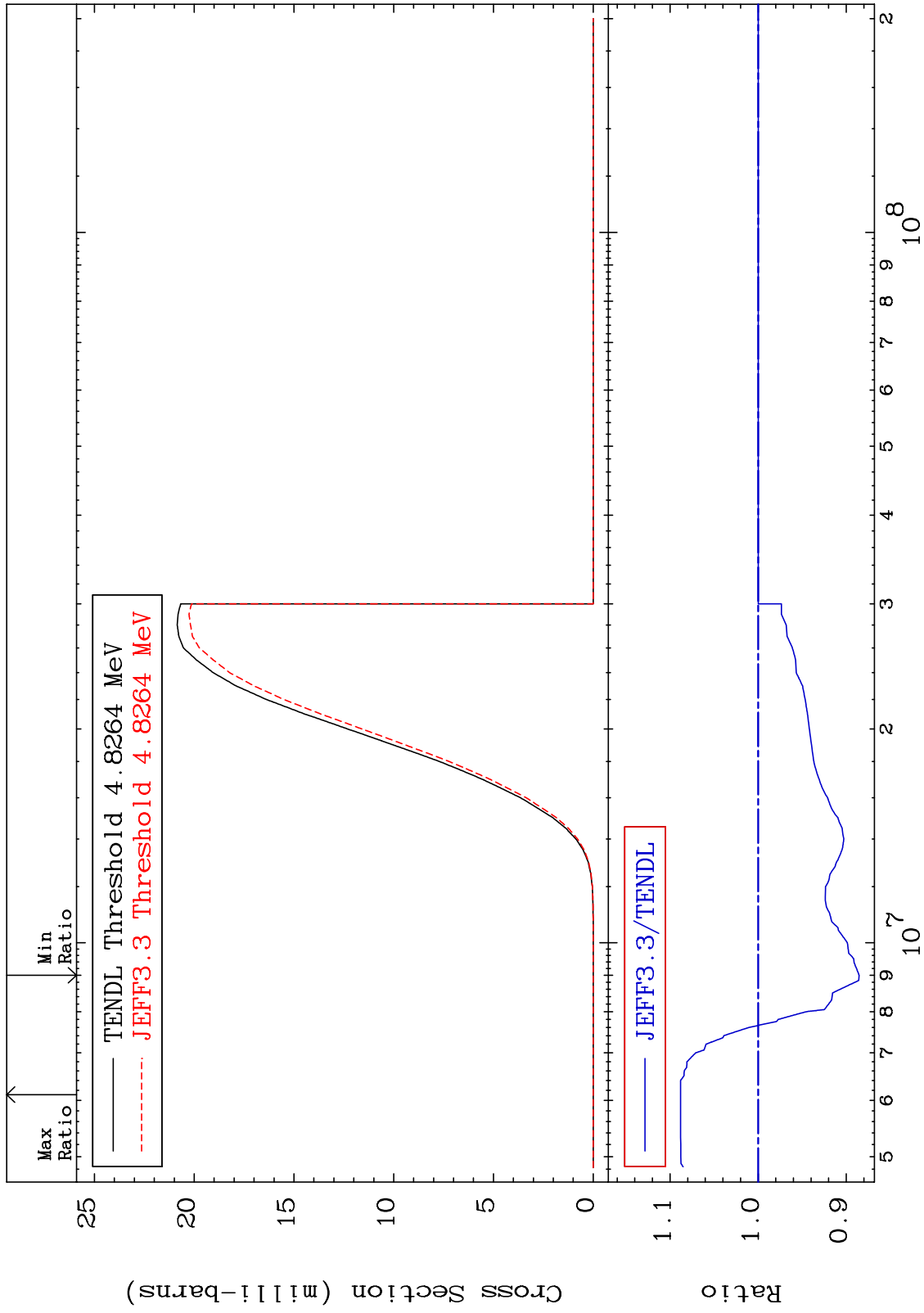
MAT 6231

(n, d)

62-Sm-146

Cross Section

-11.46 To 8.800 %



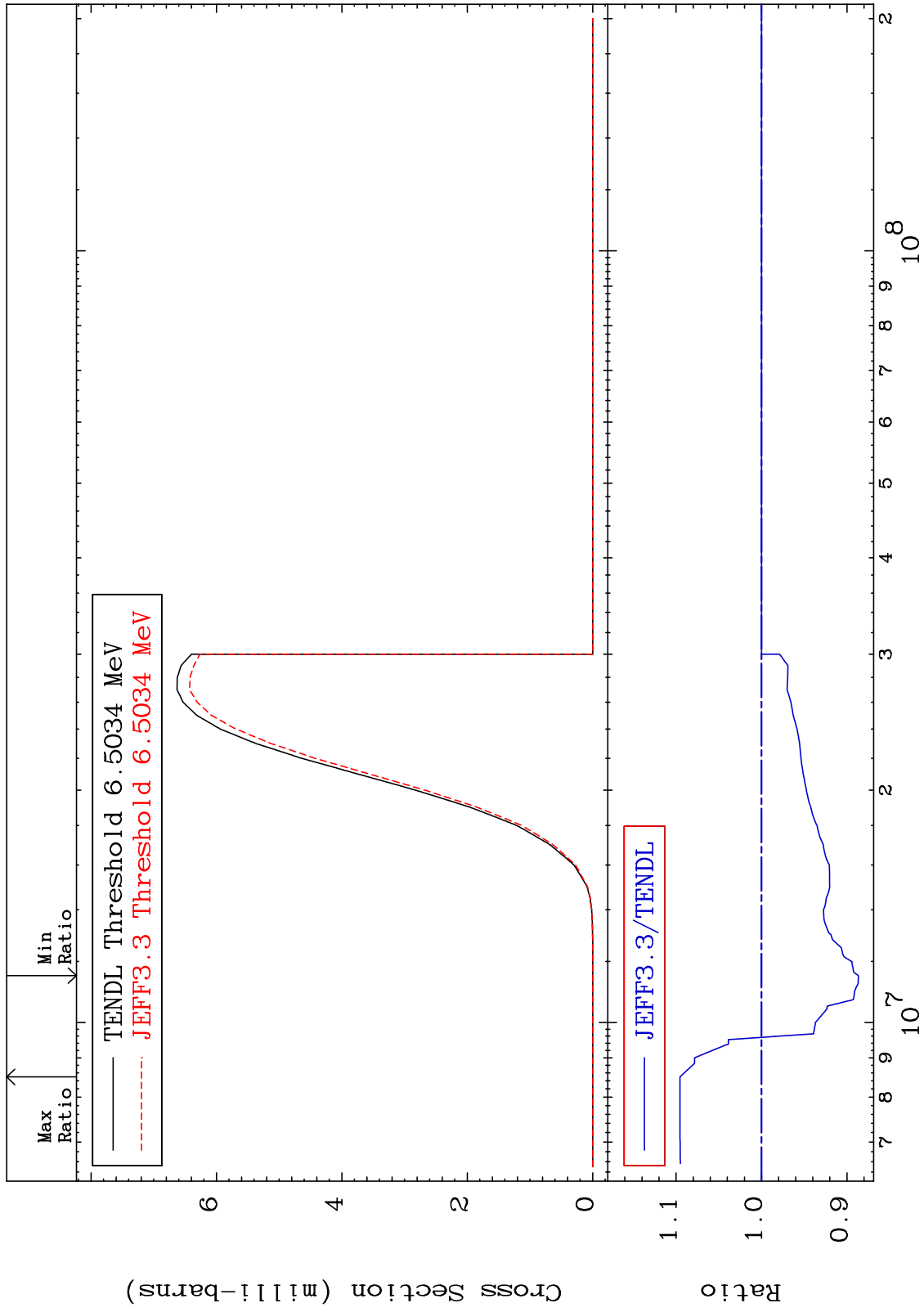
MAT 6231

(n, t)

62-Sm-146

Cross Section

-11.34 To 9.541 %



55

Incident Energy (eV)

62-Sm-146

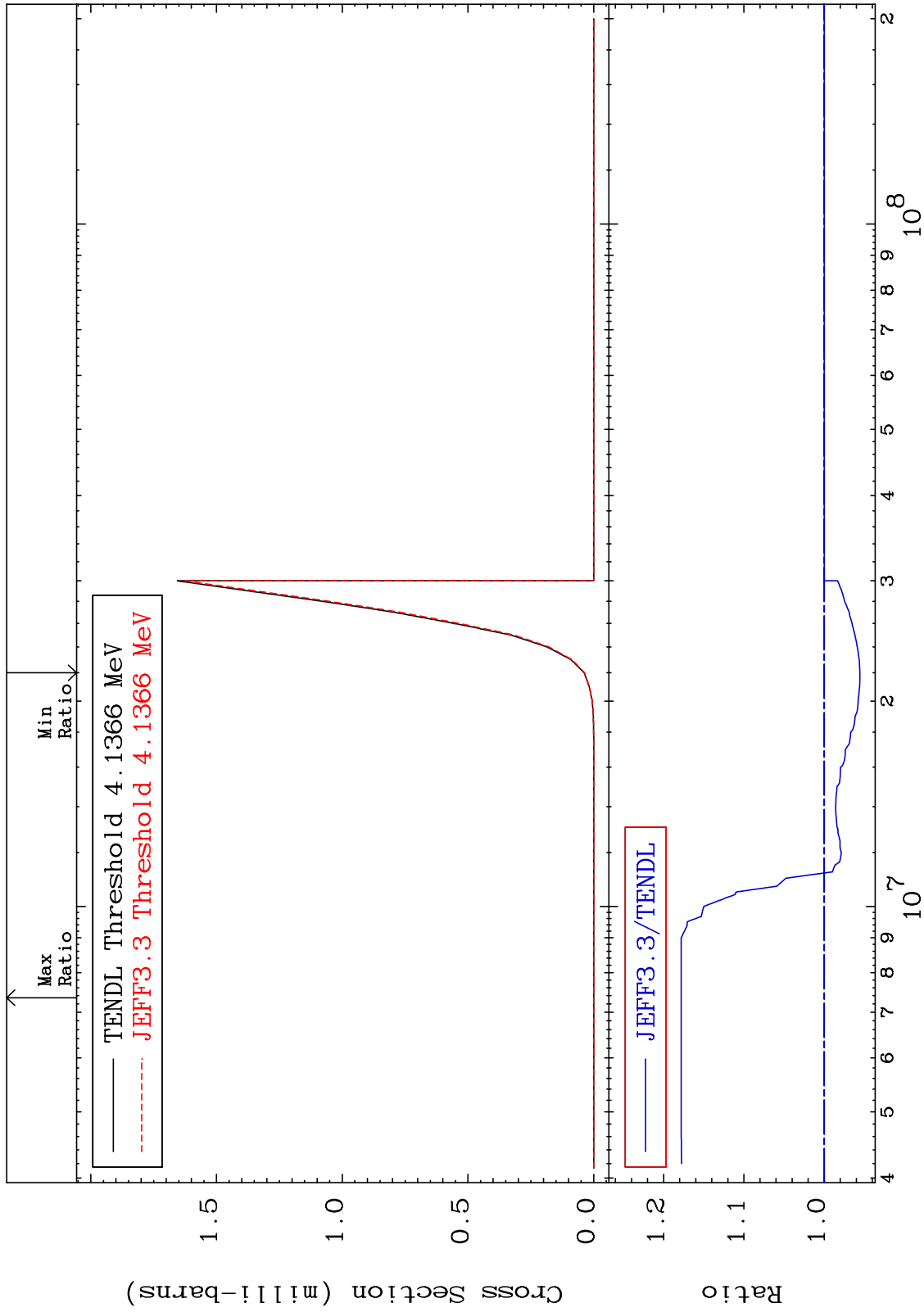
MAT 6231

(n, He-3)

62-Sm-146

-4.448 To 17.81 %

Cross Section



MAT 6231

(n, α)

62-Sm-146

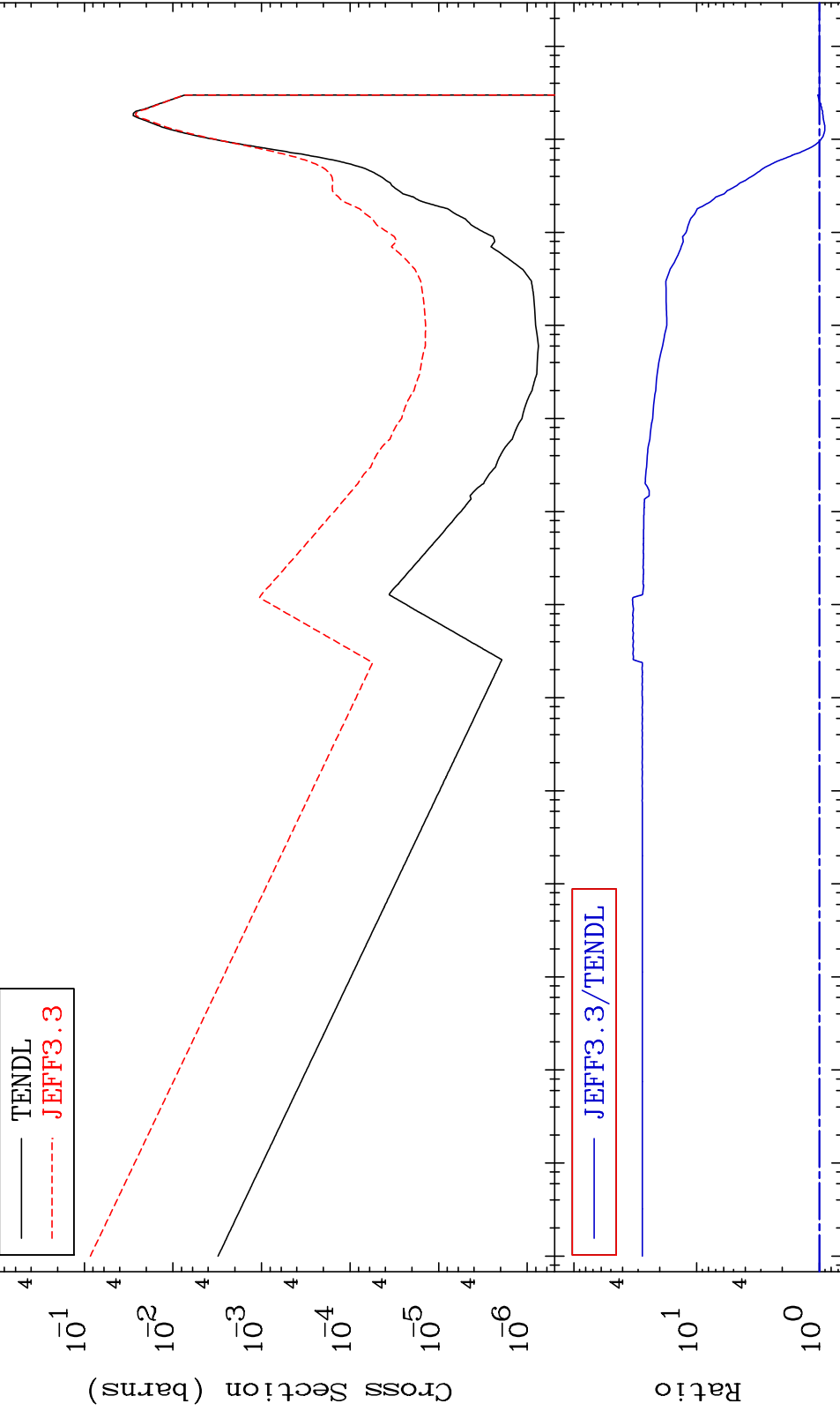
Cross Section

Max Ratio

Min Ratio

TENDL
JEFF3.3

JEFF3.3/TENDL

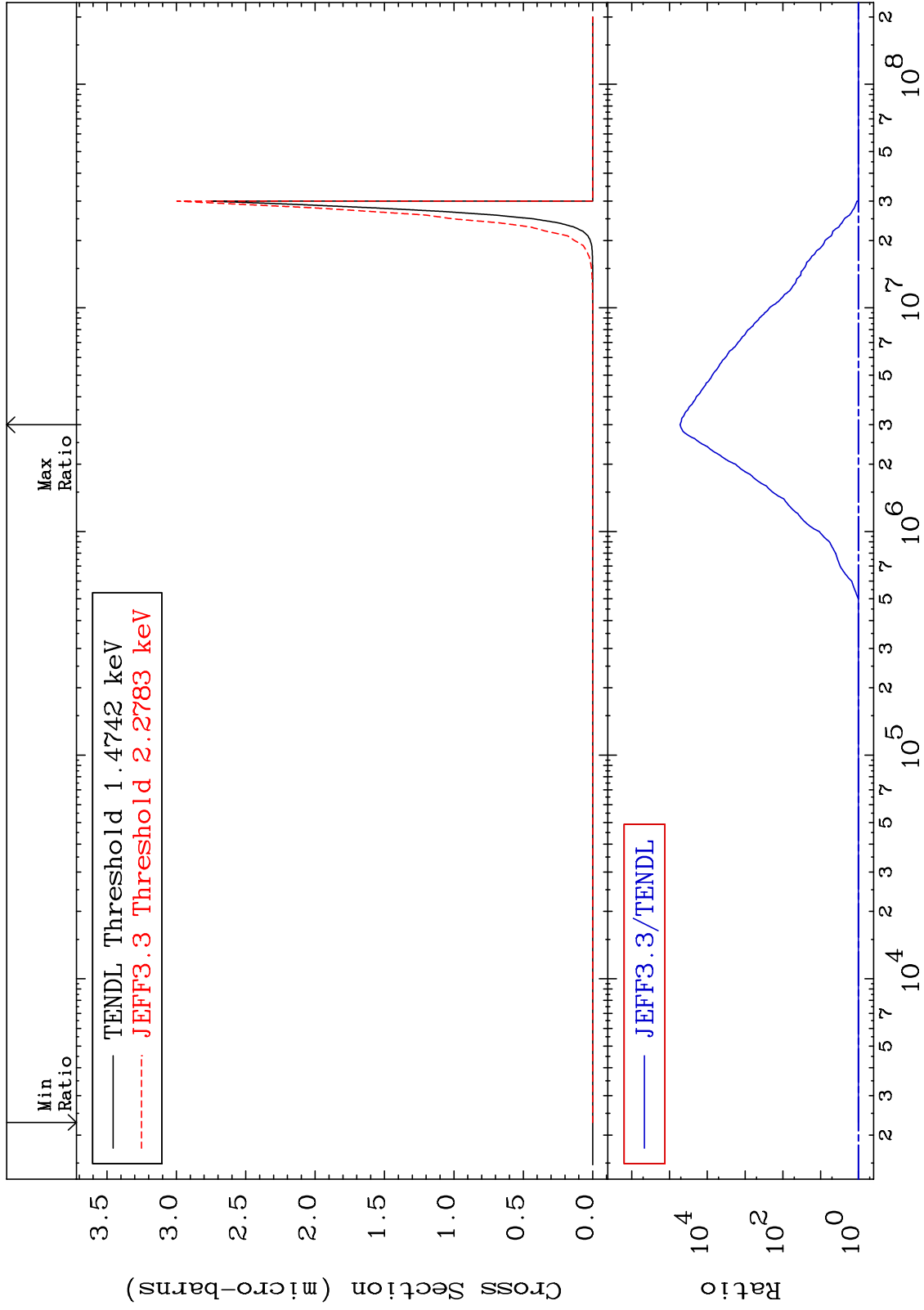


MAT 6231

(n, 2α)

62-Sm-146

Cross Section To 9999. %



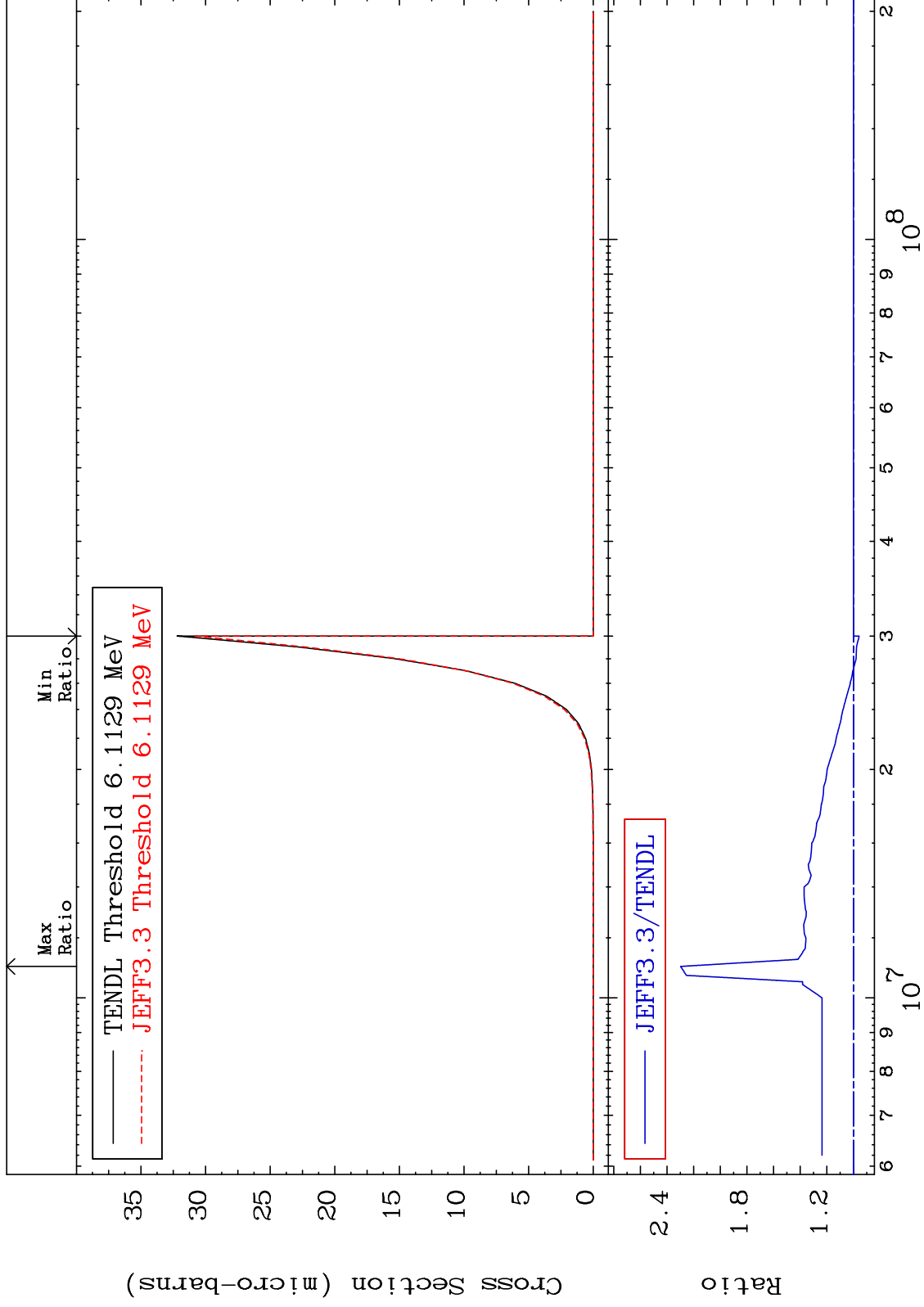
MAT 6231

(n,2p)

62-Sm-146

Cross Section

-4.309 To 129.8 %



59

Incident Energy (eV)

62-Sm-146

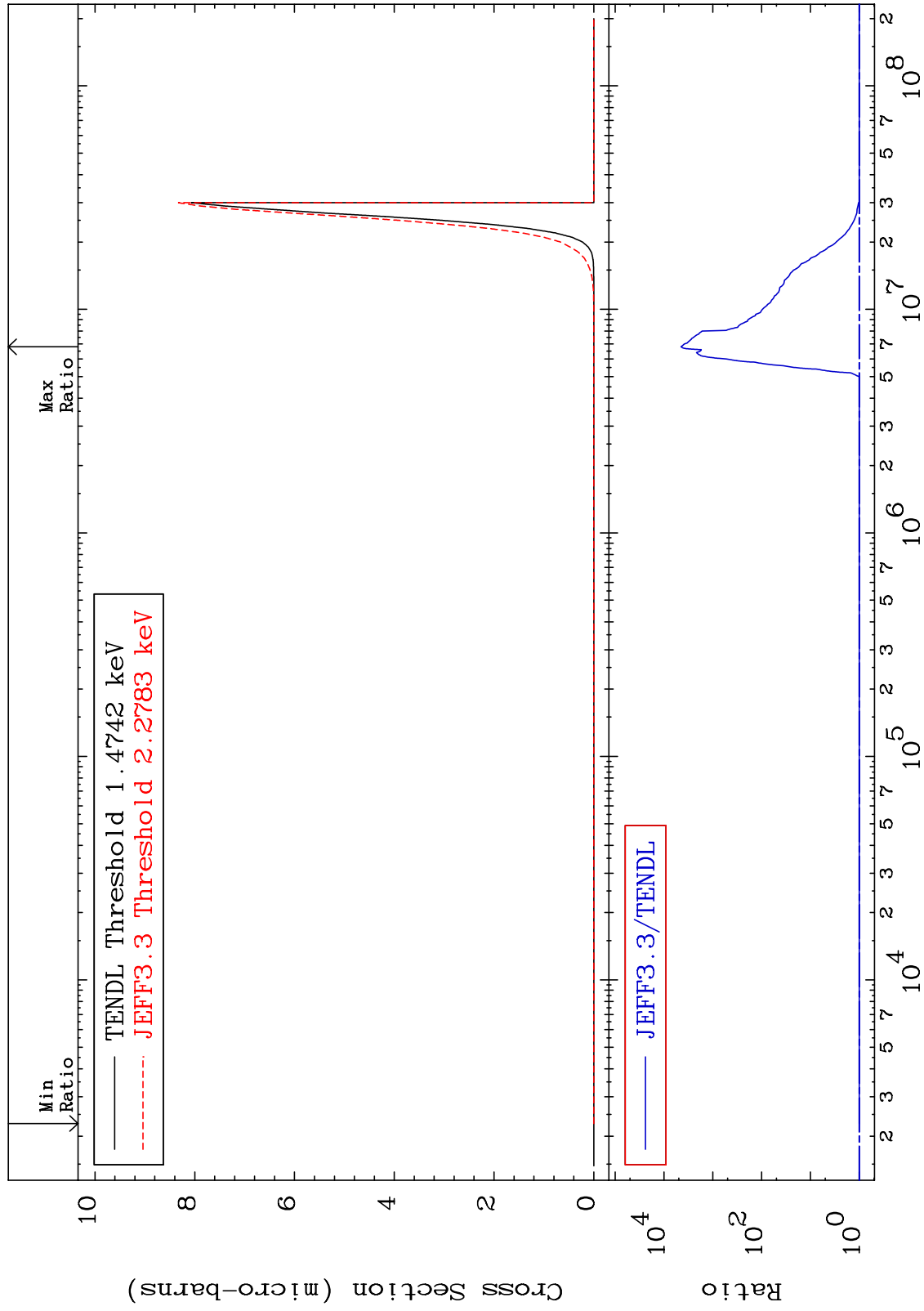
MAT 6231

(n,p) α

62-Sm-146

Cross Section

0.000 To 9999. %



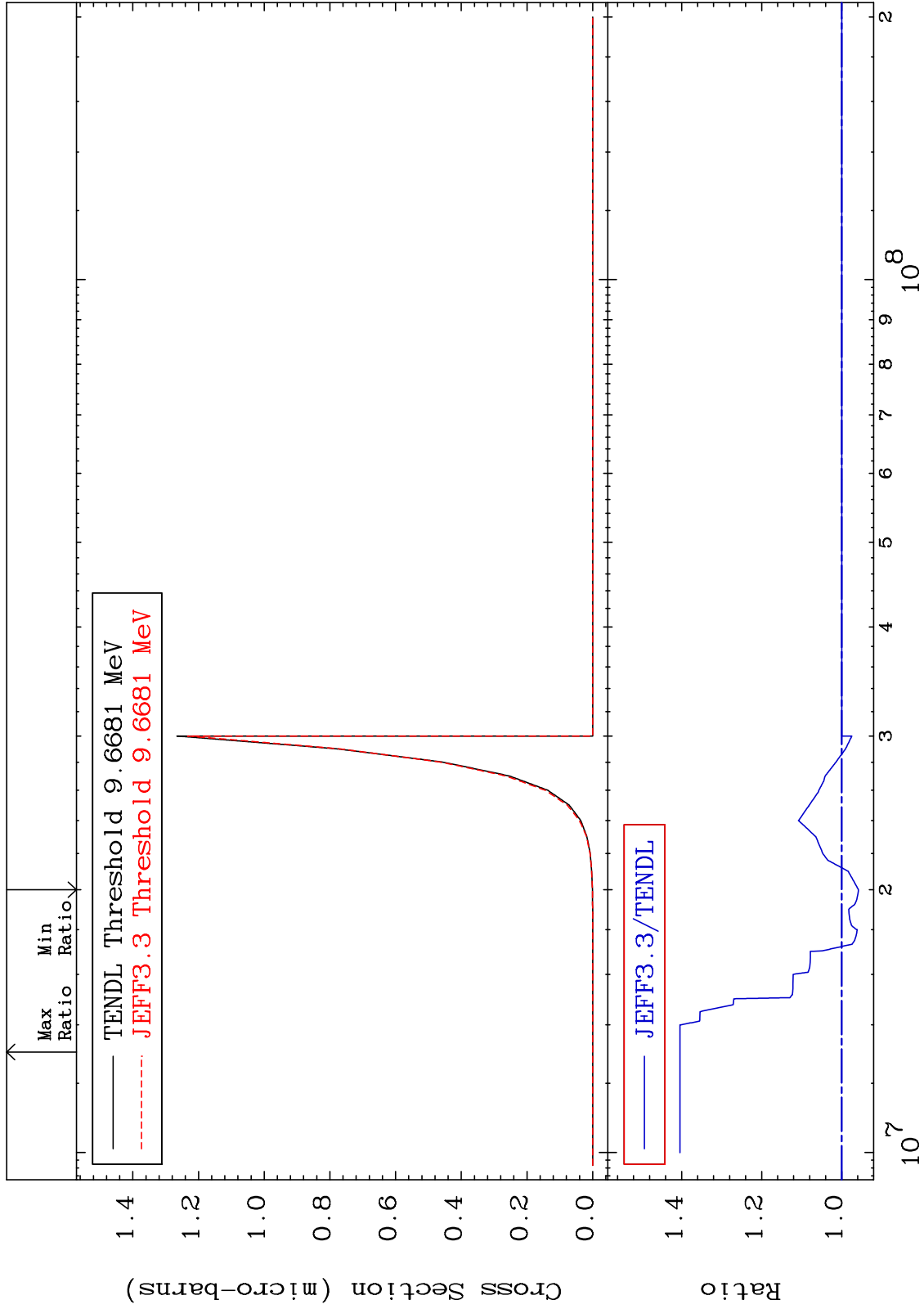
MAT 6231

(n,p) d

62-Sm-146

Cross Section

-4.176 To 40.40 %



61

Incident Energy (eV)

62-Sm-146

MAT 6231

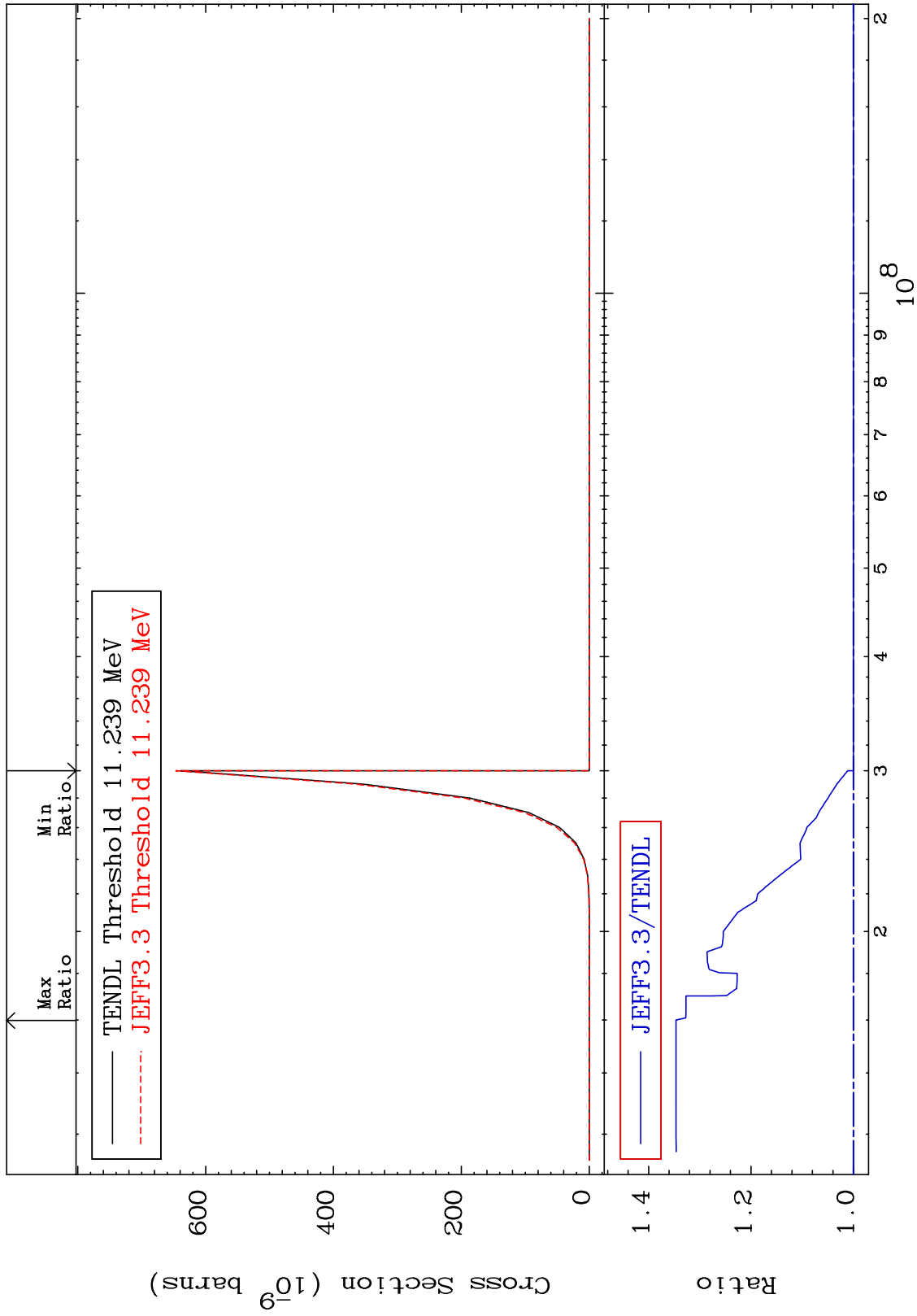
(n,p) t

62-Sm-146

Cross Section

0.000

To 34.63 %



62

Incident Energy (eV)

62-Sm-146

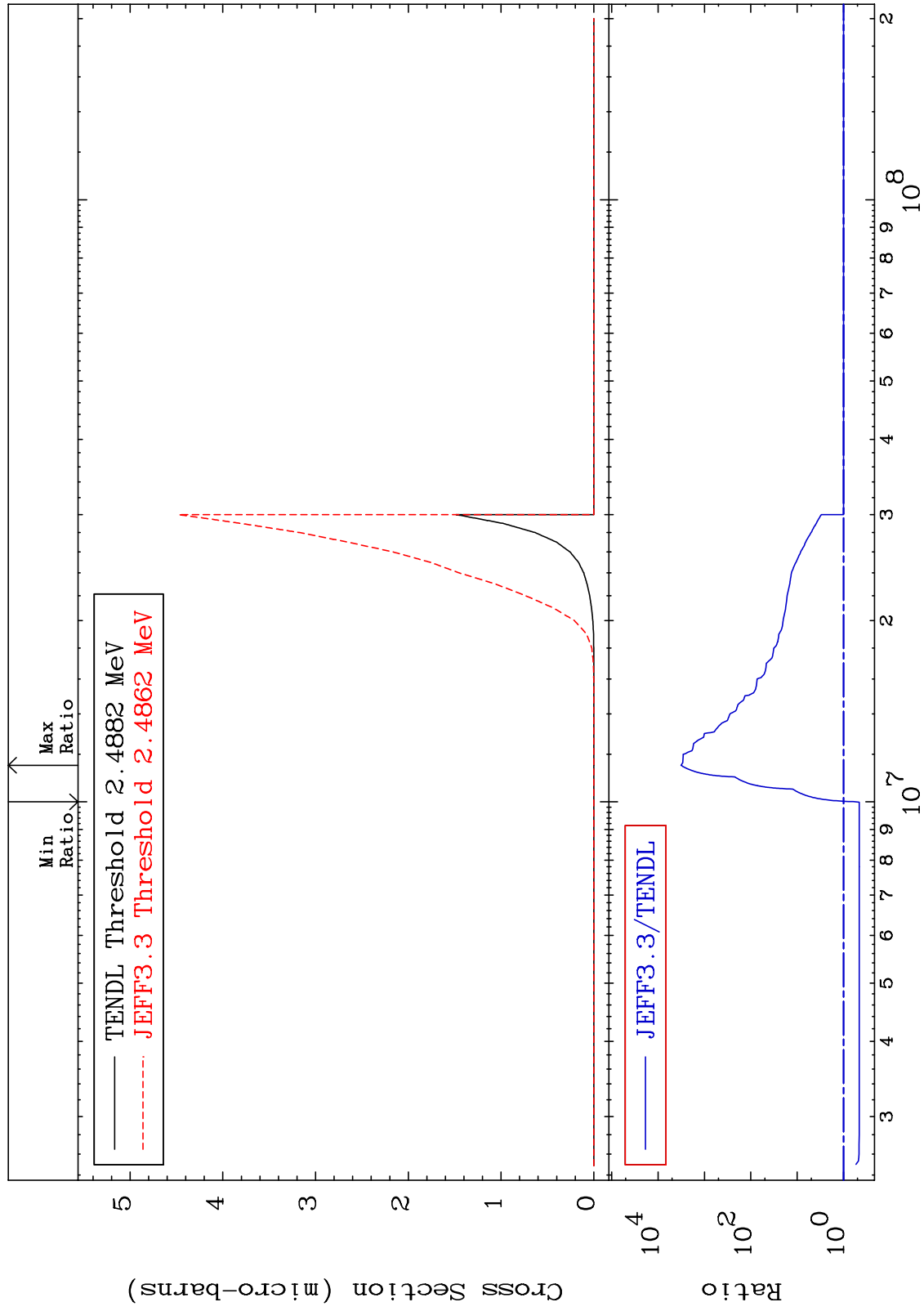
MAT 6231

(n,d) α

62-Sm-146

-54.04 To 9999. %

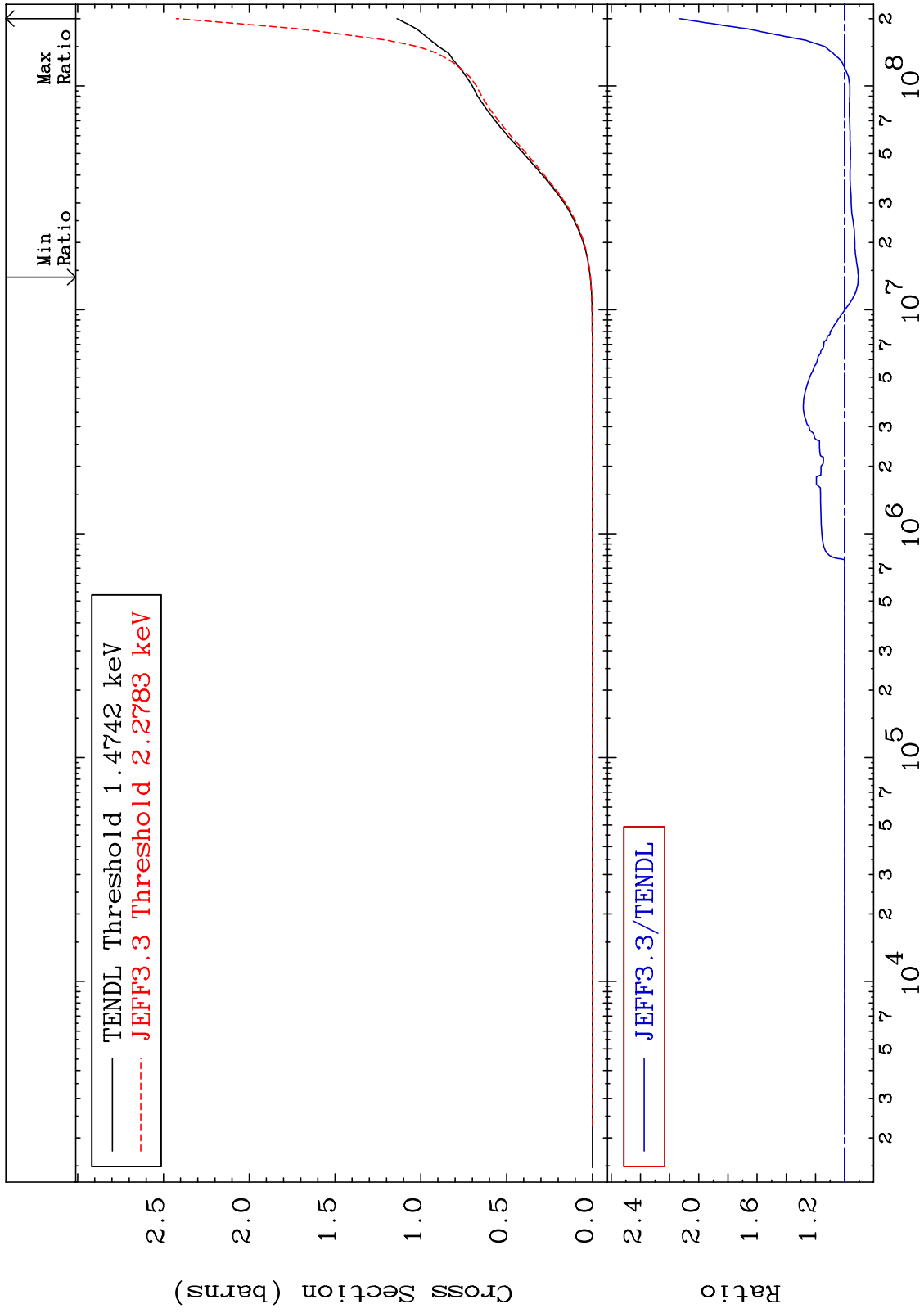
Cross Section



MAT 6231

Hydrogen Production
Cross Section

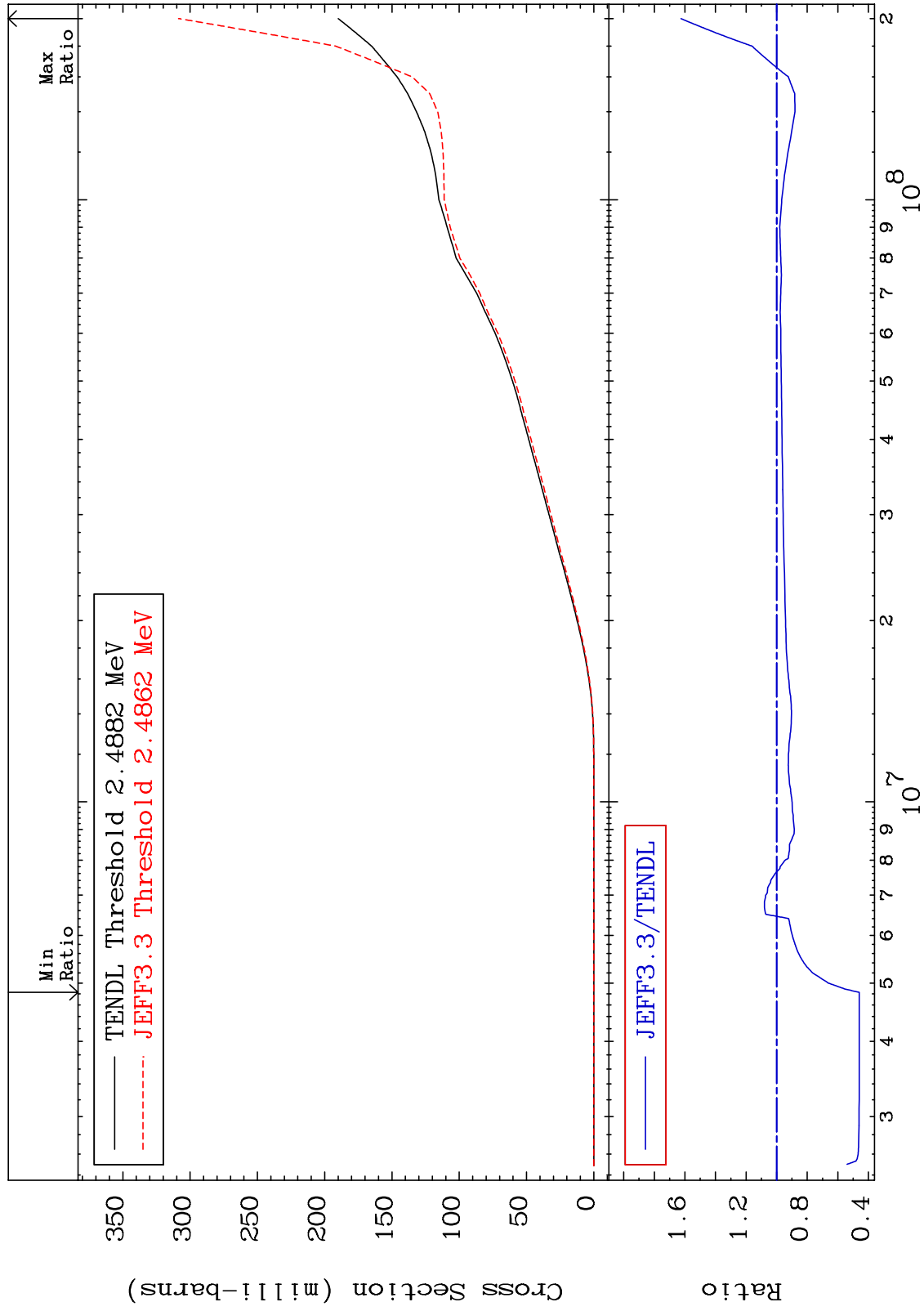
62-Sm-146
-9.392 To 113.0 %



MAT 6231

Deuterium Production
Cross Section

62-Sm-146
-54.02 To 62.51 %



65

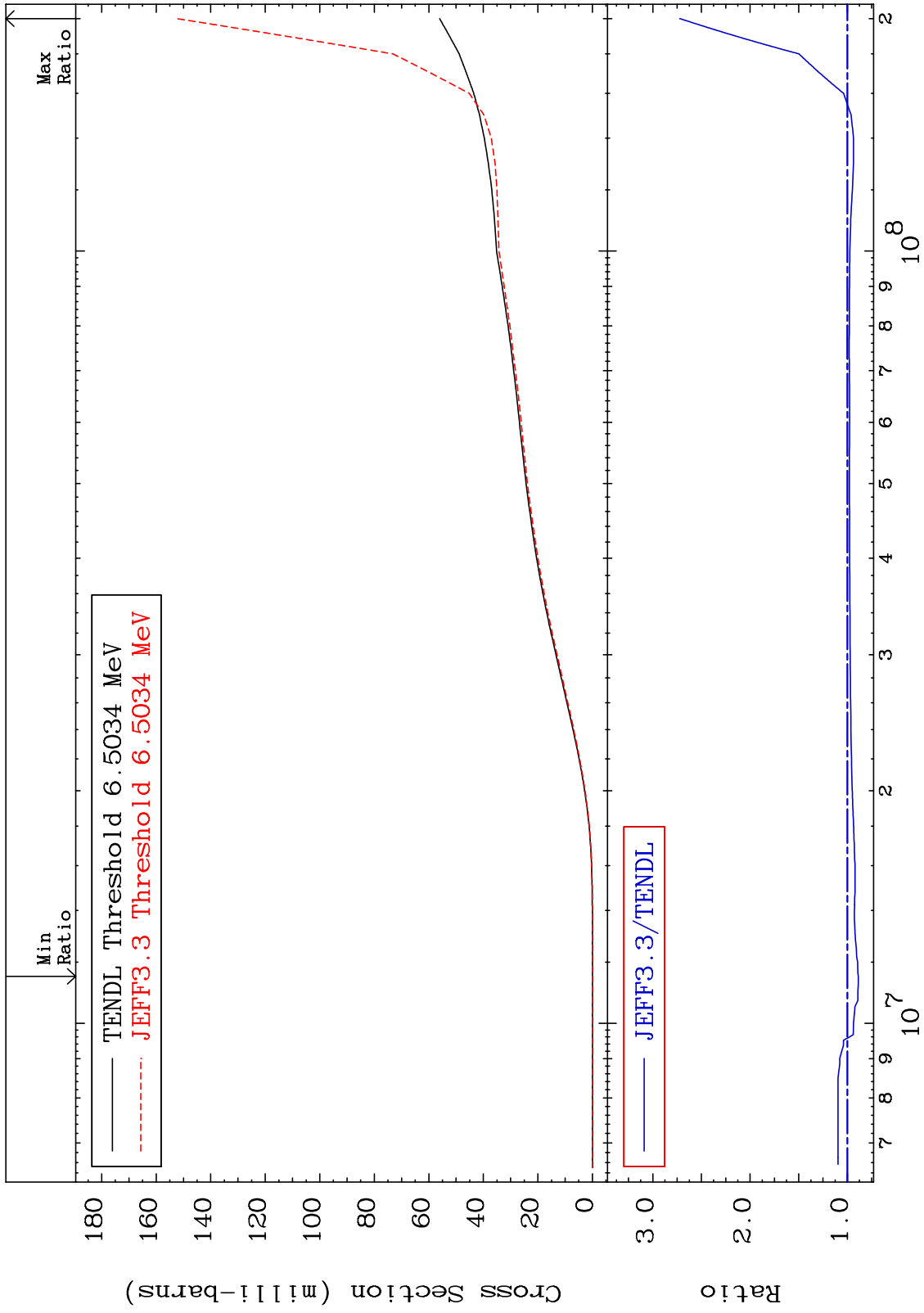
Incident Energy (eV)

62-Sm-146

MAT 6231

Tritium Production
Cross Section

$^{62}\text{Sm}-146$
-11.34 To 172.2 %



66

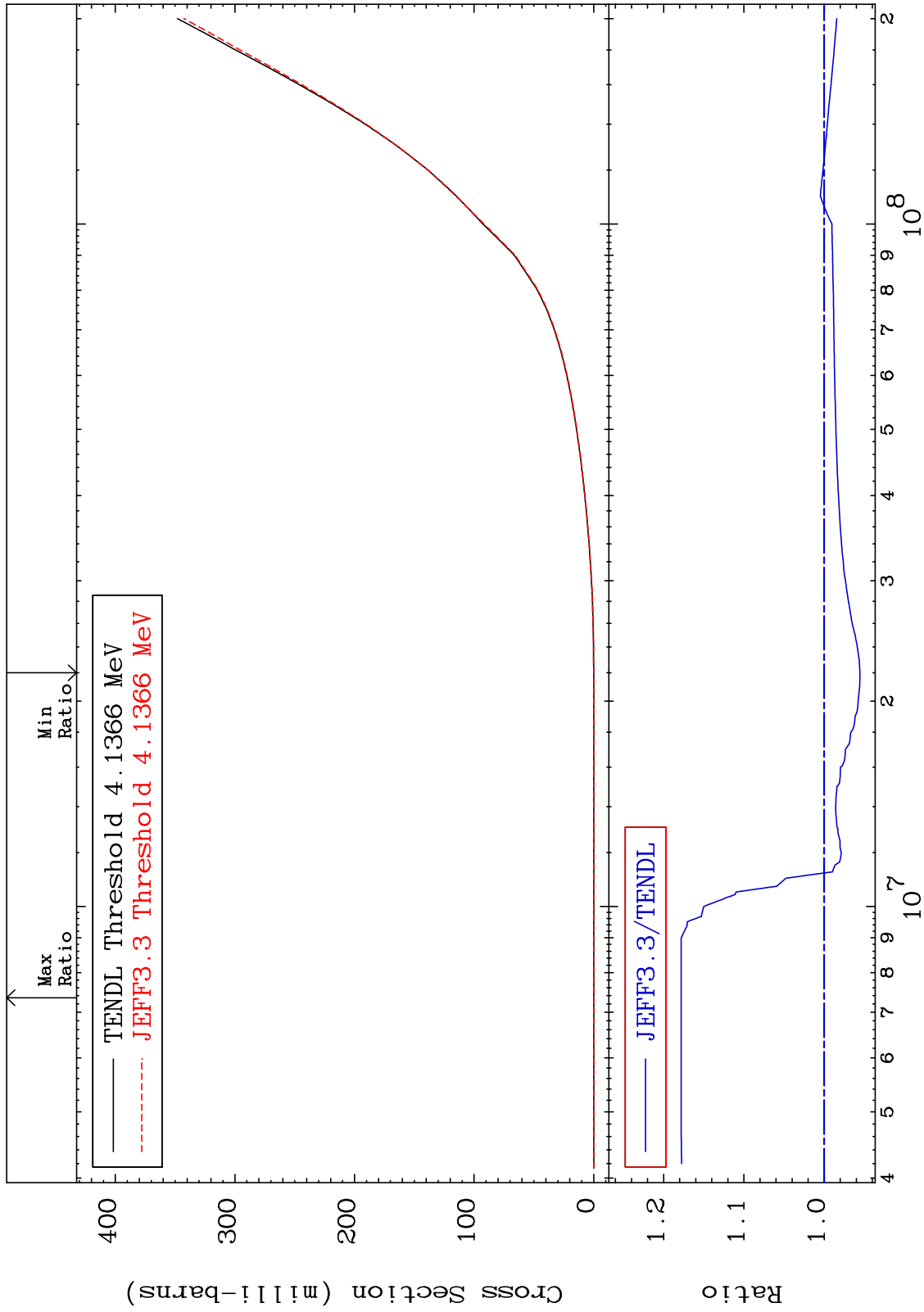
Incident Energy (eV)

$^{62}\text{Sm}-146$

MAT 6231

He-3 Production
Cross Section

62-Sm-146
-4.448 To 17.81 %



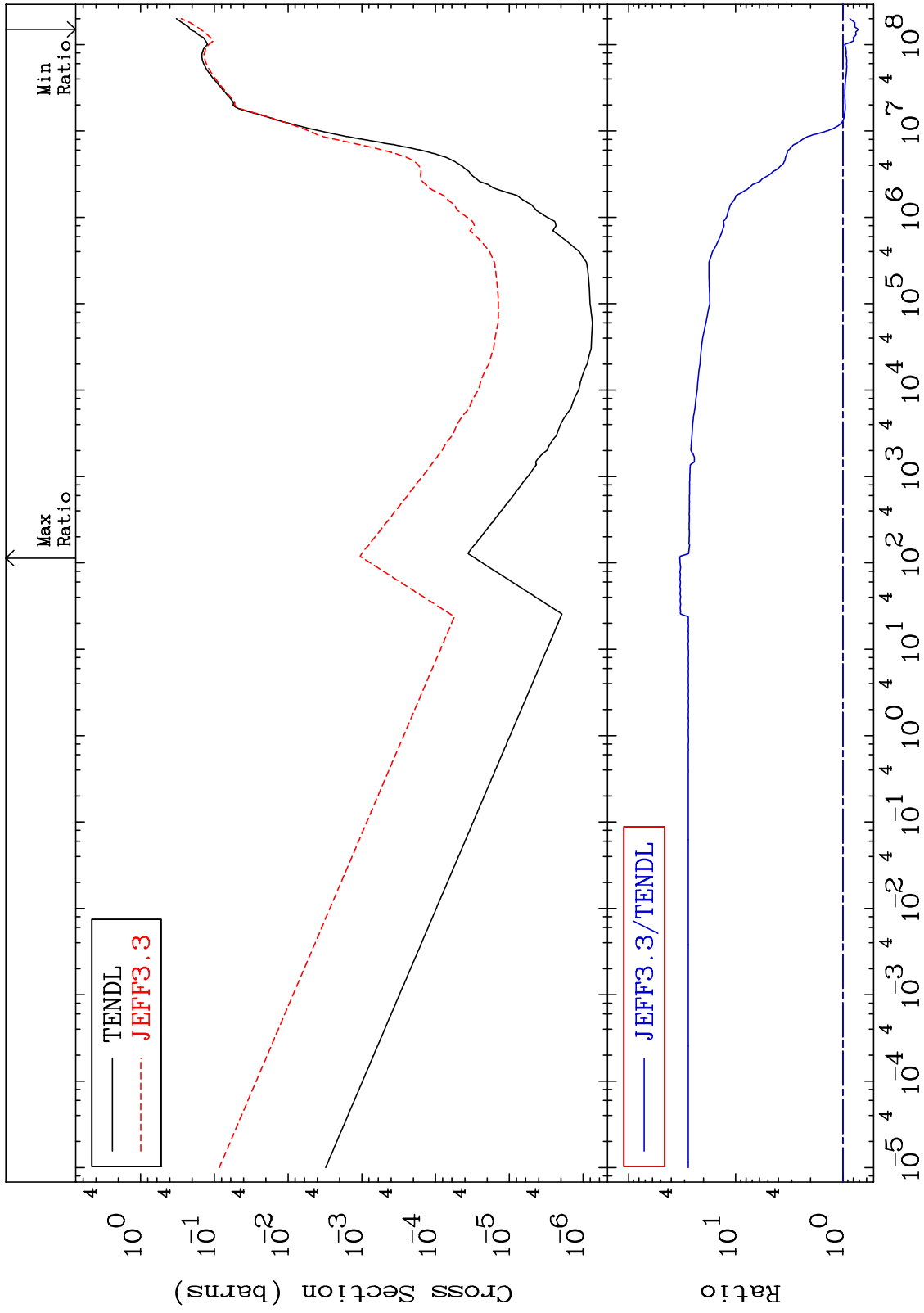
67

62-Sm-146

MAT 6231

He-4 Production
Cross Section

62-Sm-146
-28.34 To 3225. %



68

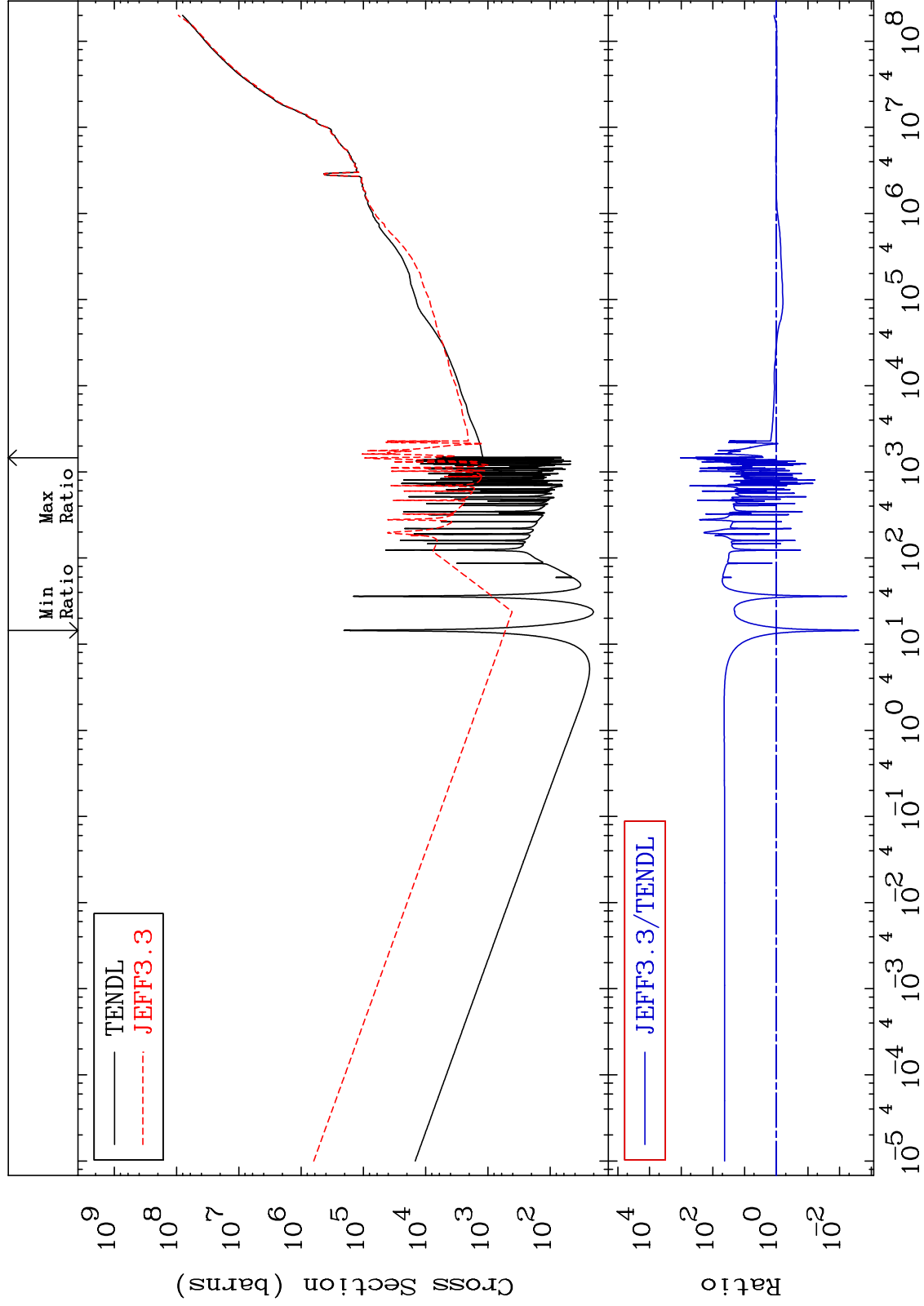
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma total (eV-barns)
Cross Section

62-Sm-146
-99.75 To 9999. %



69

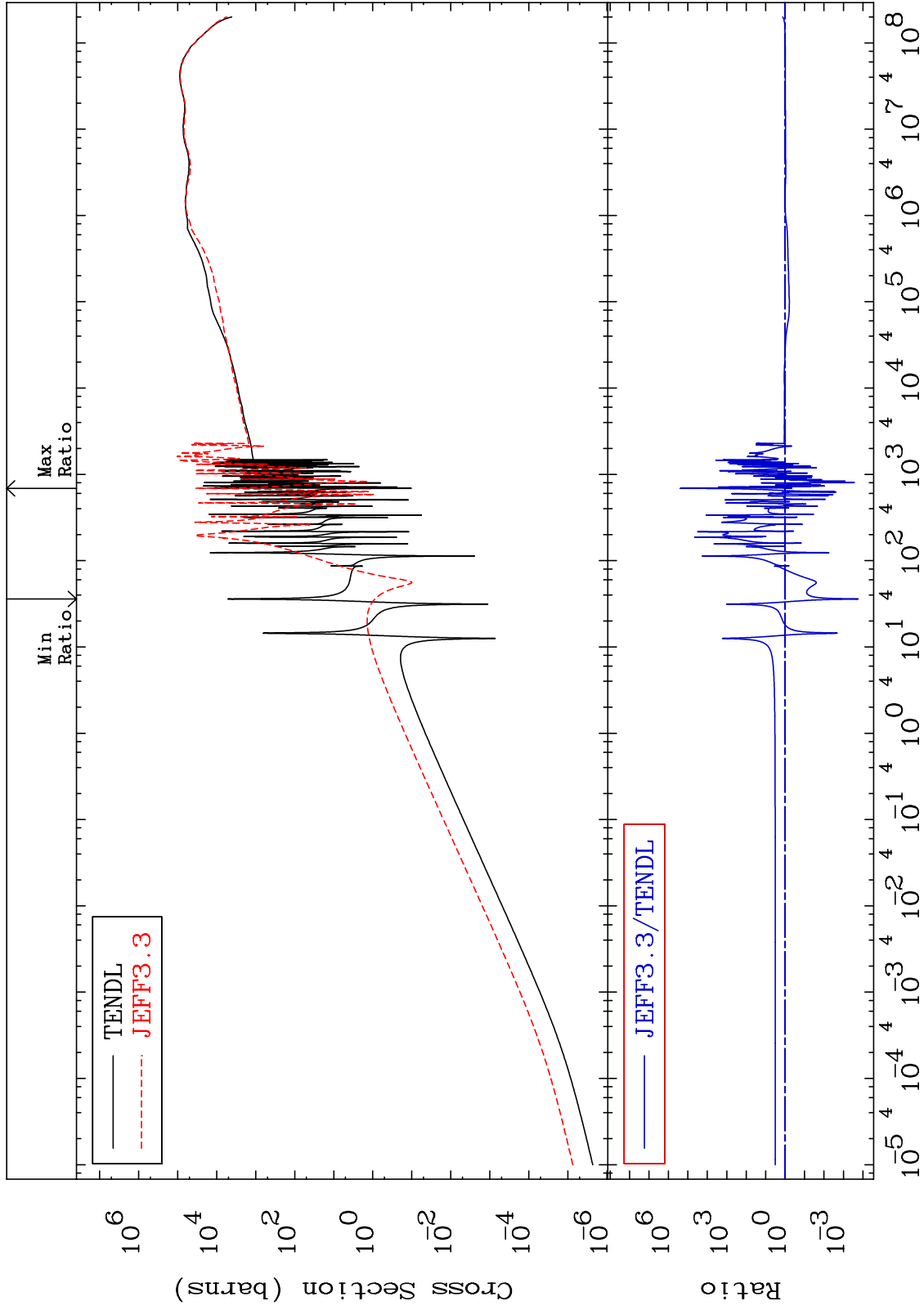
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma elastic
Cross Section

62-Sm-146
-99.98 To 9999. %



70

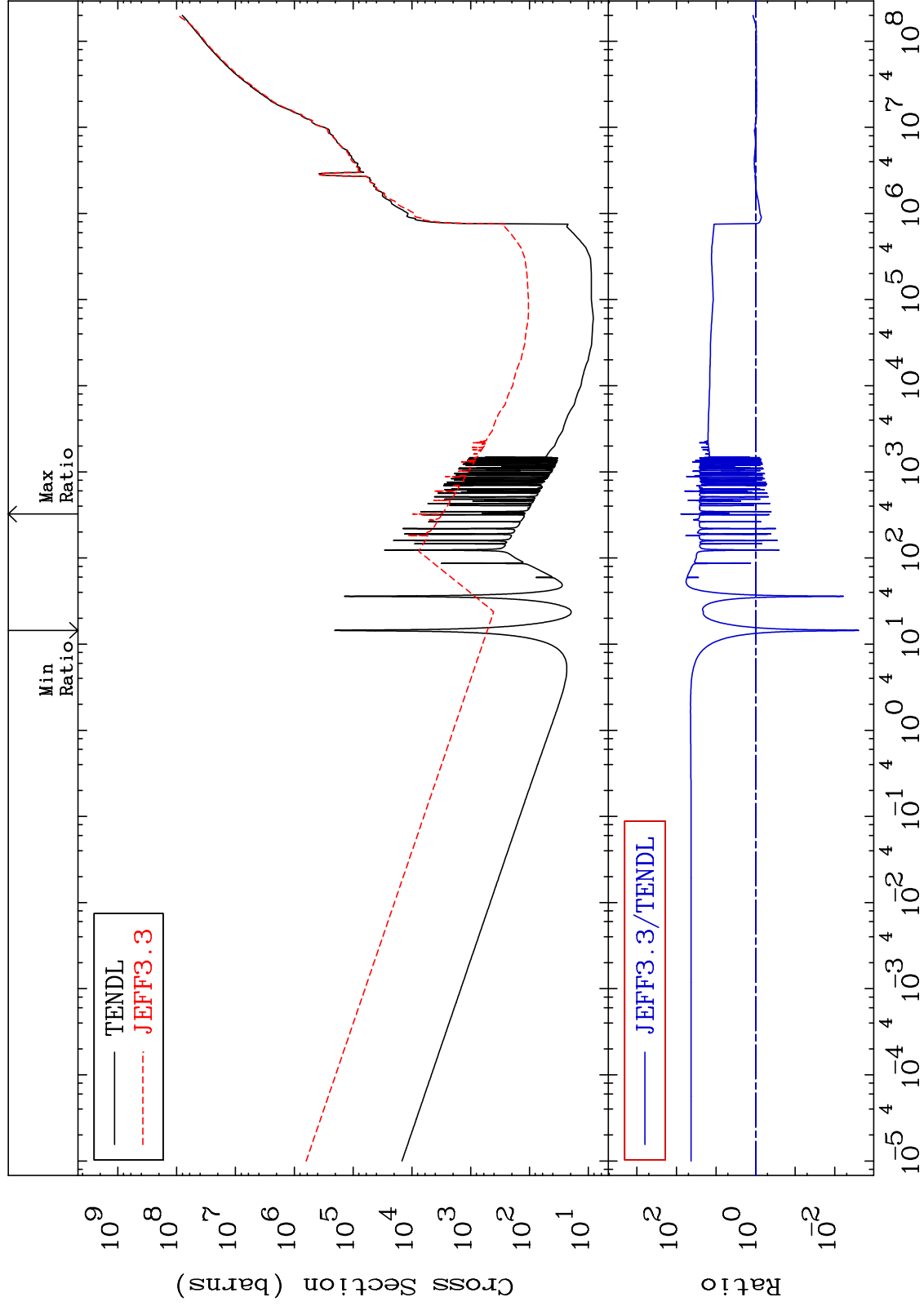
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma non-elastic (all but mt2)
Cross Section

62-Sm-146
-99.75 To 7810. %



71

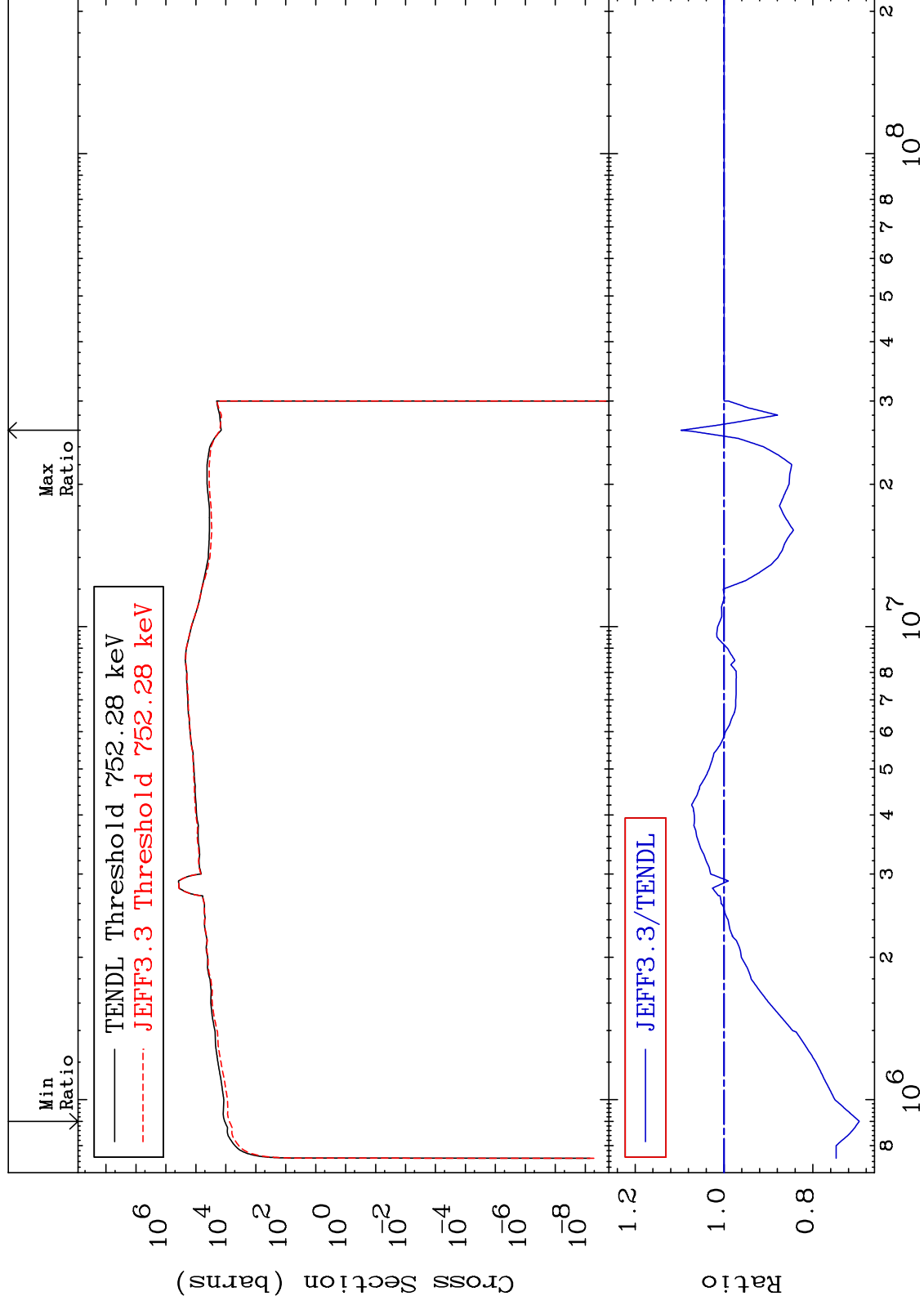
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma inelastic (mt51-91)
Cross Section

62-Sm-146
-30.44 To 9.672 %



72

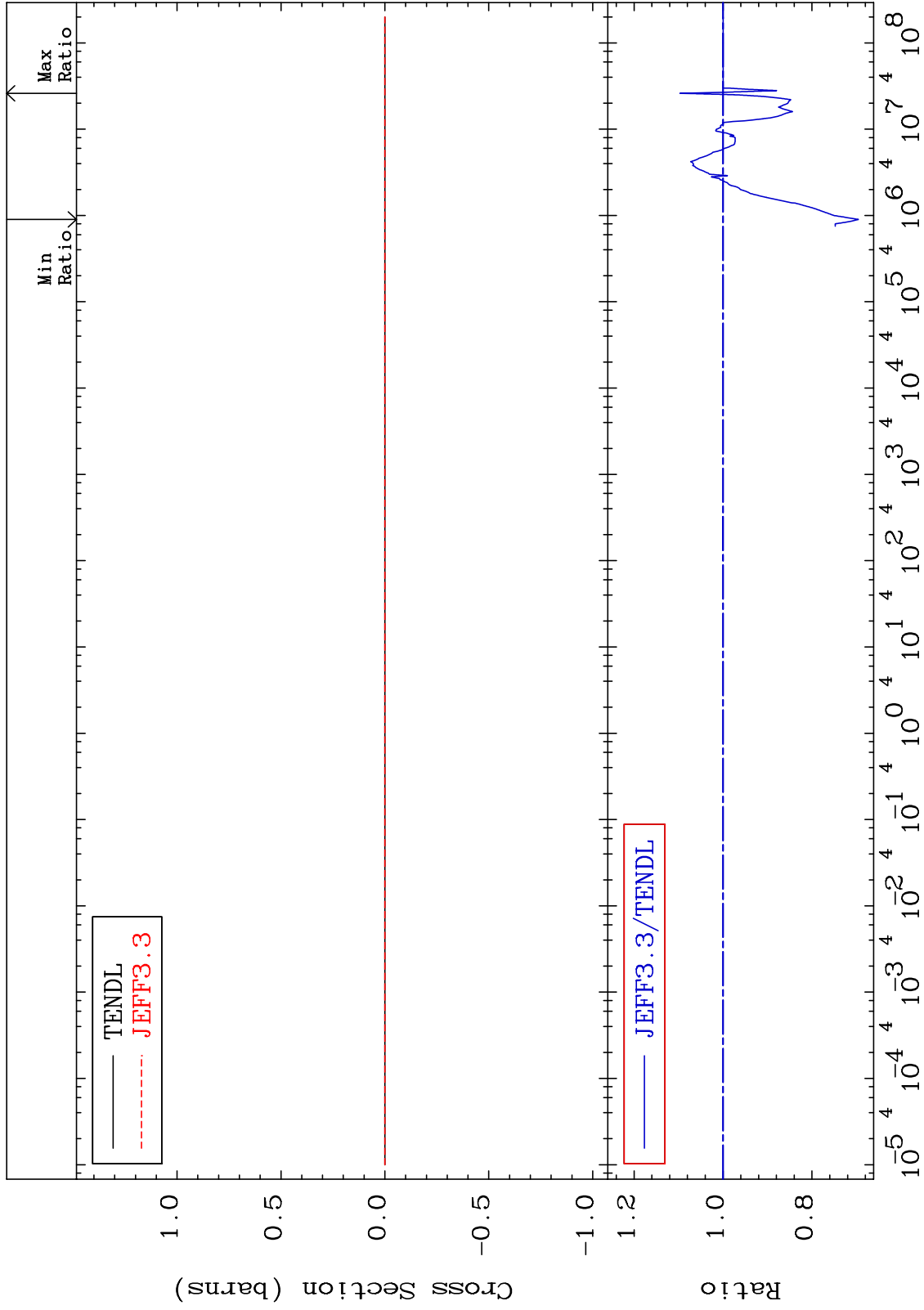
Incident Energy (eV)

62-Sm-146

MAT 6231

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

62-Sm-146
-30.44 To 9.672 %



73

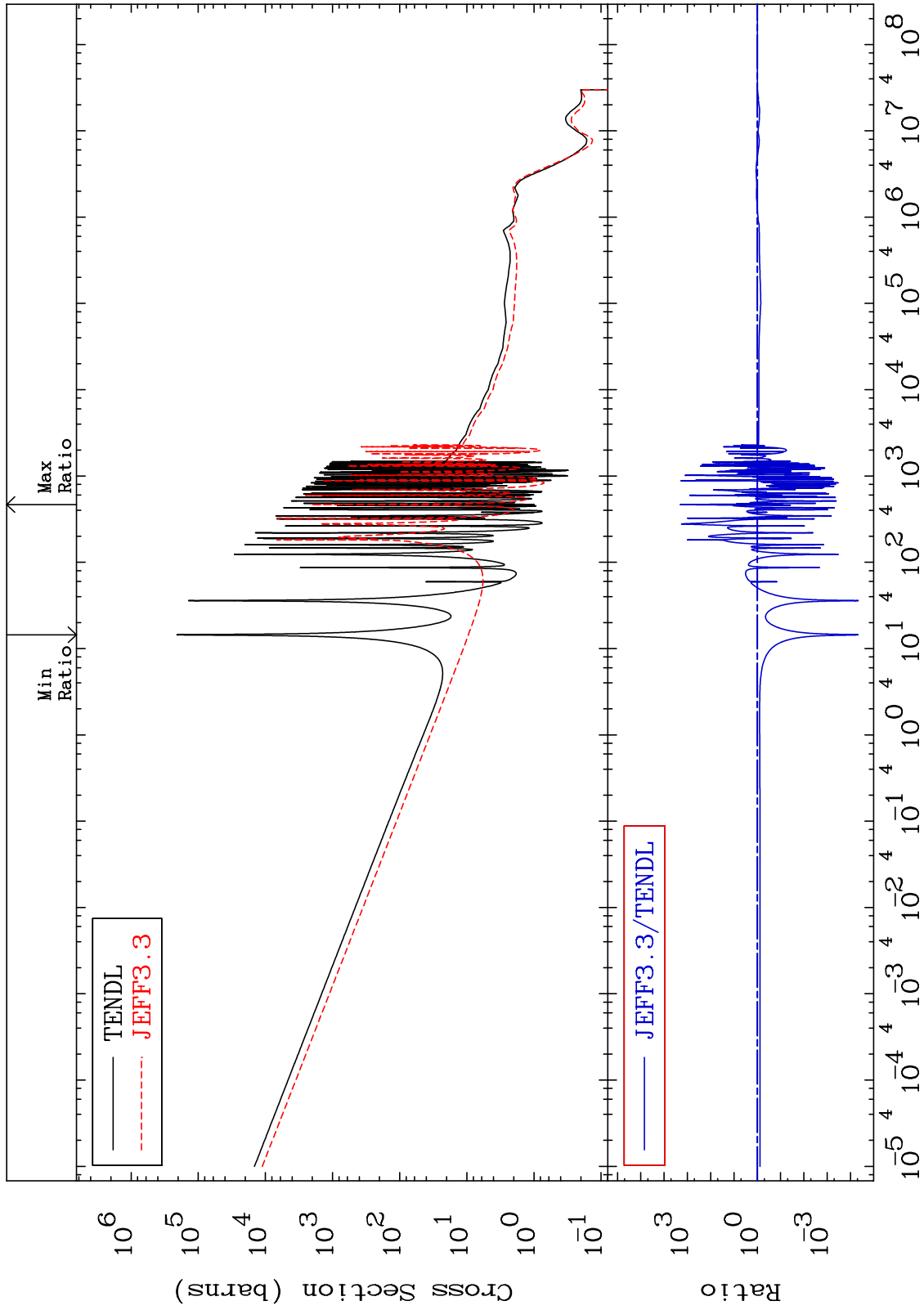
Incident Energy (eV)

62-Sm-146

MAT 6231

Kerma capture (mt102)
Cross Section

62-Sm-146
-100.0 To 9999. %



74

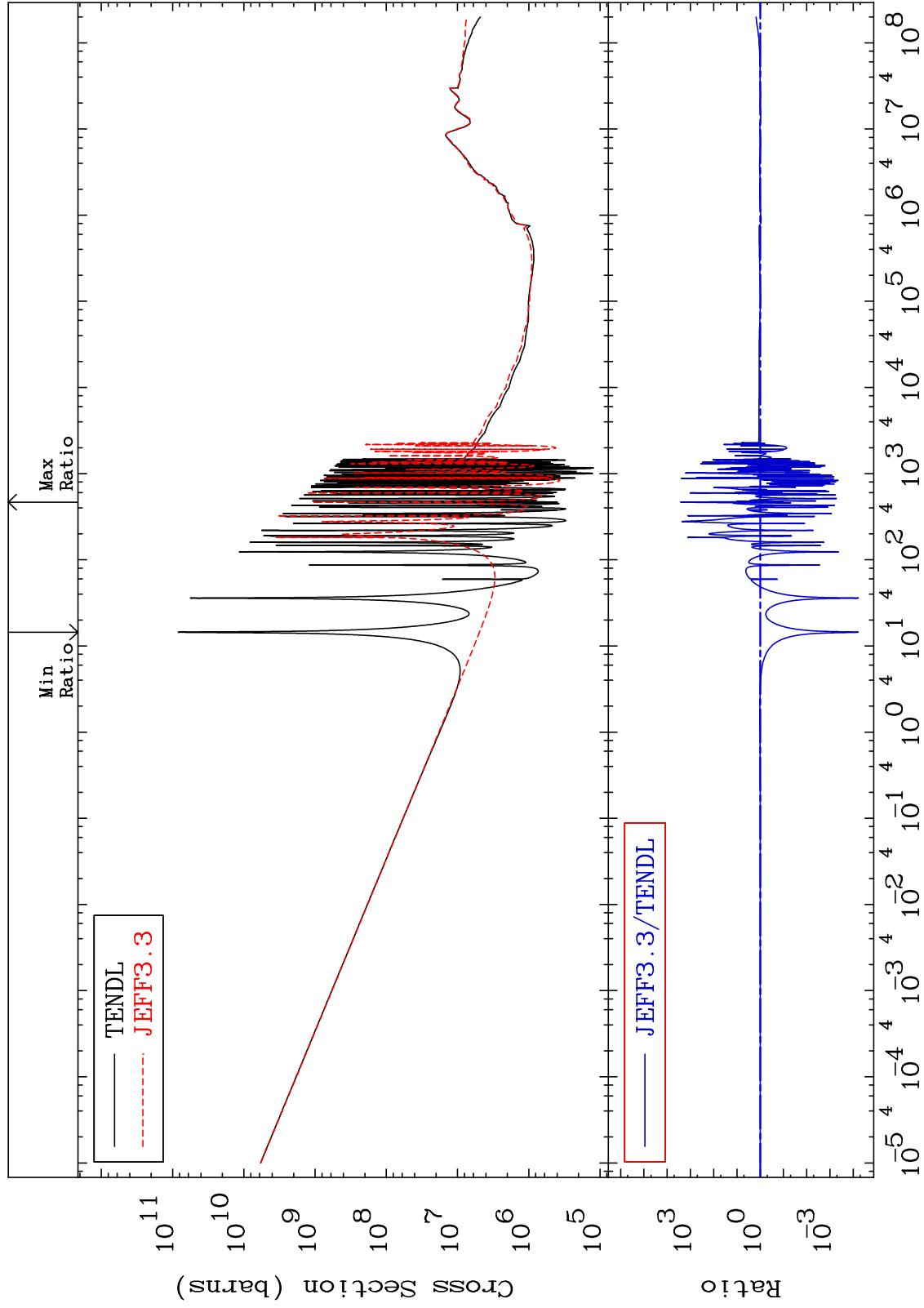
Incident Energy (eV)

62-Sm-146

MAT 6231

Total photon (eV-barns)
Cross Section

62-Sm-146
-99.99 To 9999. %



75

Incident Energy (eV)

62-Sm-146

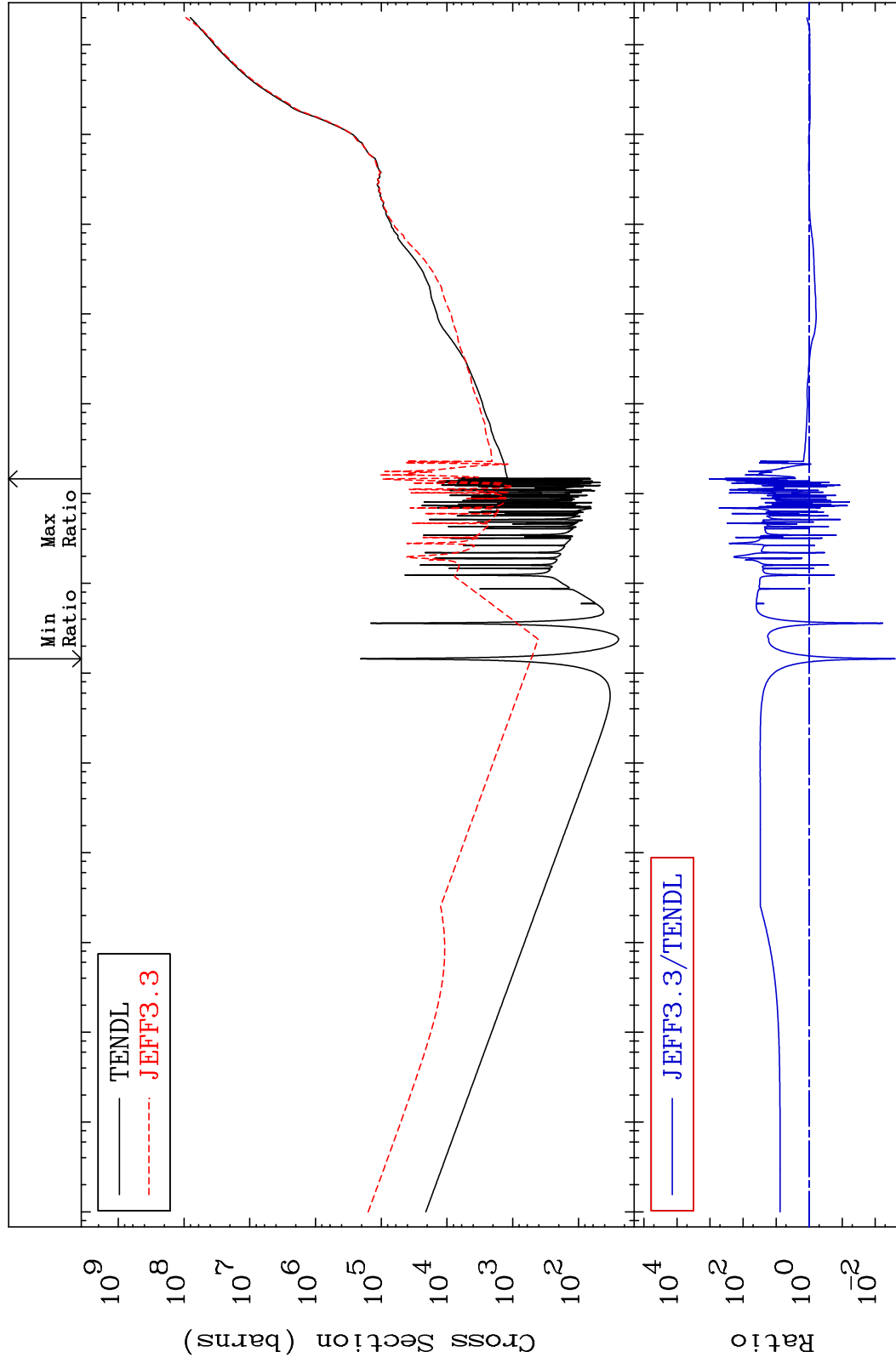
MAT 6231

Total kinematic kerma (high limit)

62-Sm-146

-99.75 To 9999. %

Cross Section



Incident Energy (eV) 62-Sm-146

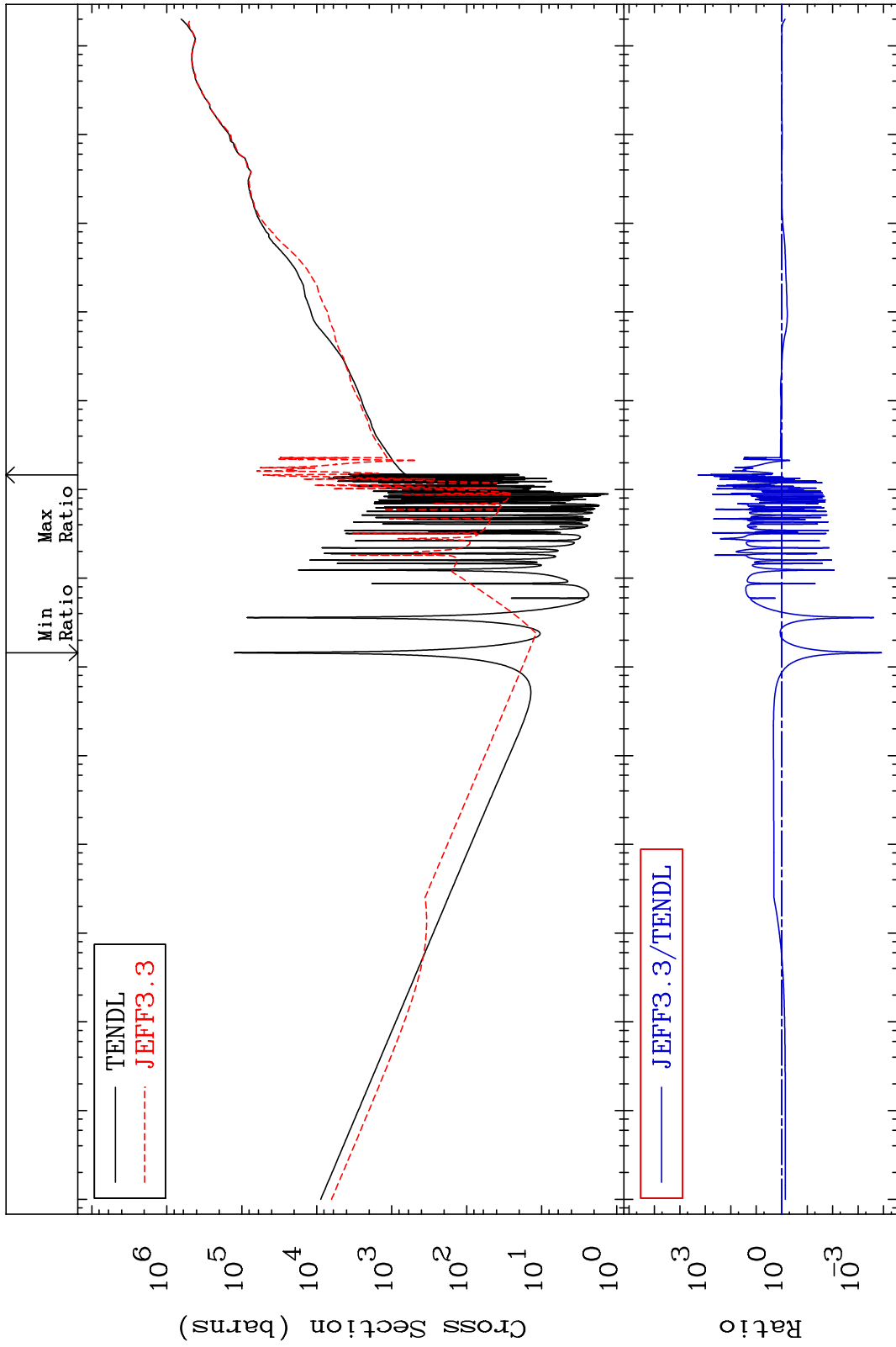
MAT 6231

Dpa total (eV-barns)

62-Sm-146

-99.99 To 9999. %

Cross Section



77

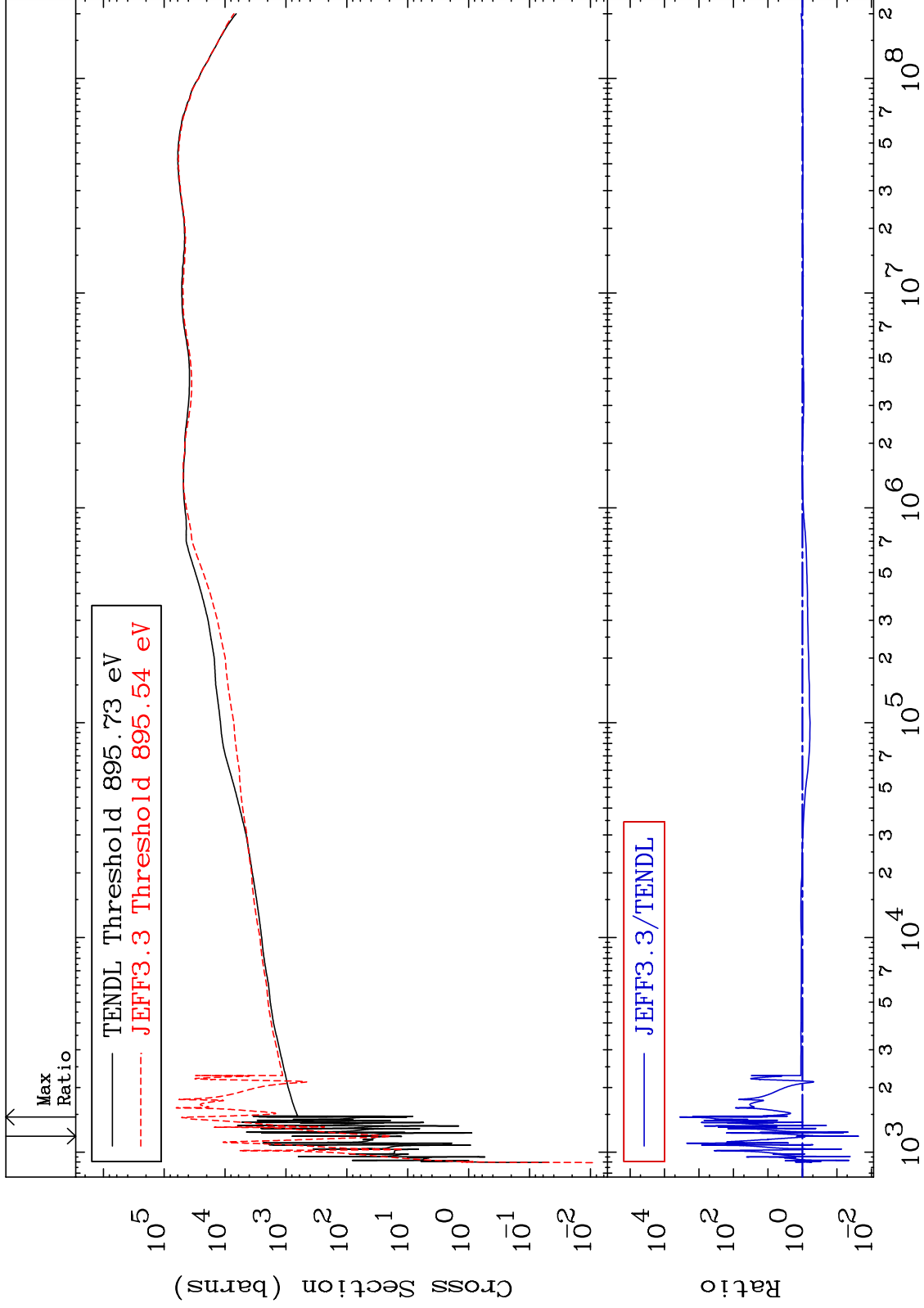
Incident Energy (eV)

62-Sm-146

MAT 6231

Dpa elastic (mt2)
Cross Section

62-Sm-146
-97.61 To 9999. %



78

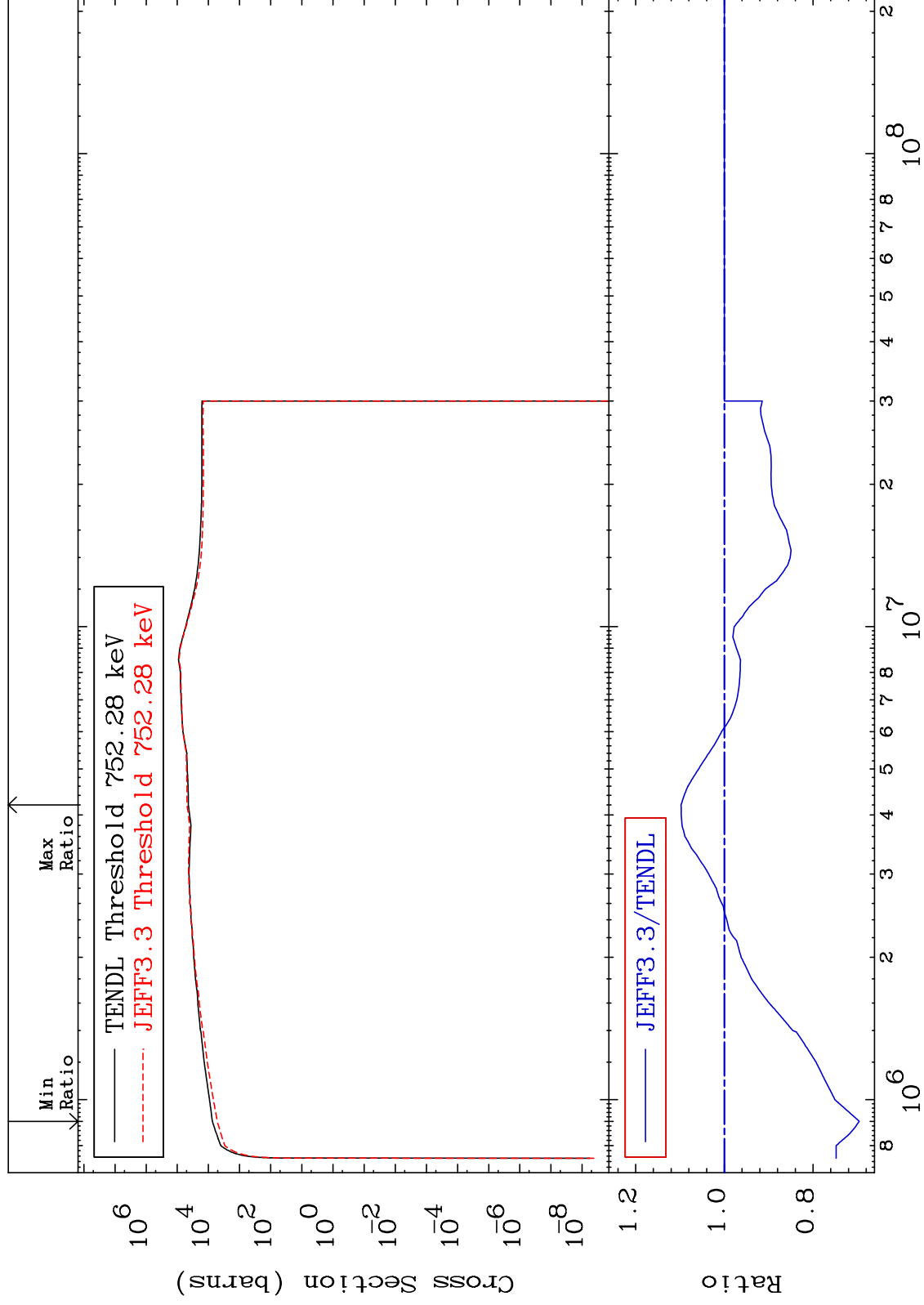
Incident Energy (eV)

62-Sm-146

MAT 6231

Dpa inelastic (mt51-91)
Cross Section

62-Sm-146
-30.43 To 9.761 %



79

Incident Energy (eV)

62-Sm-146

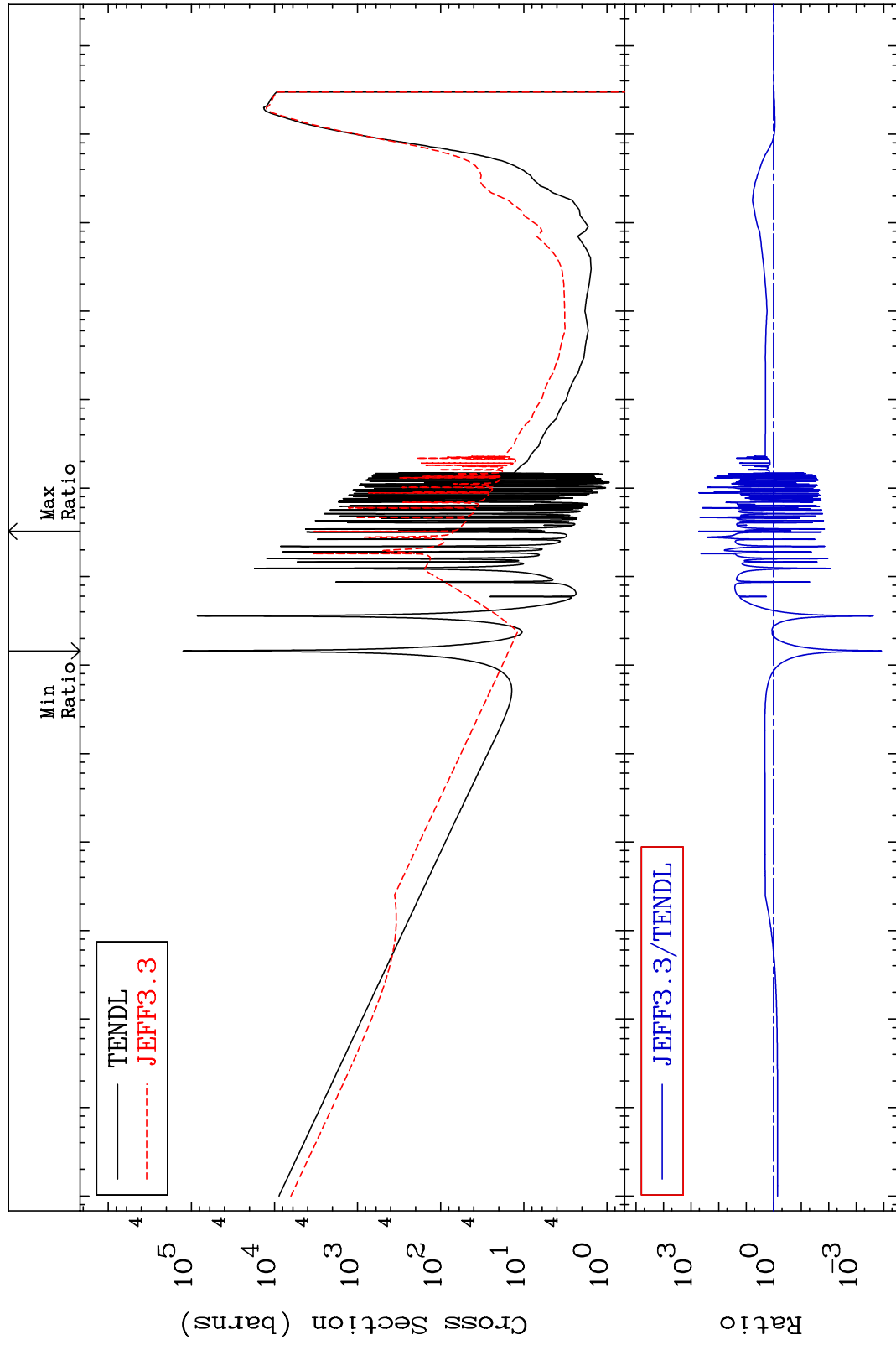
MAT 6231

Dpa disappearance (mt102 -120)

62-Sm-146

-99.99 To 9999. %

Cross Section



80

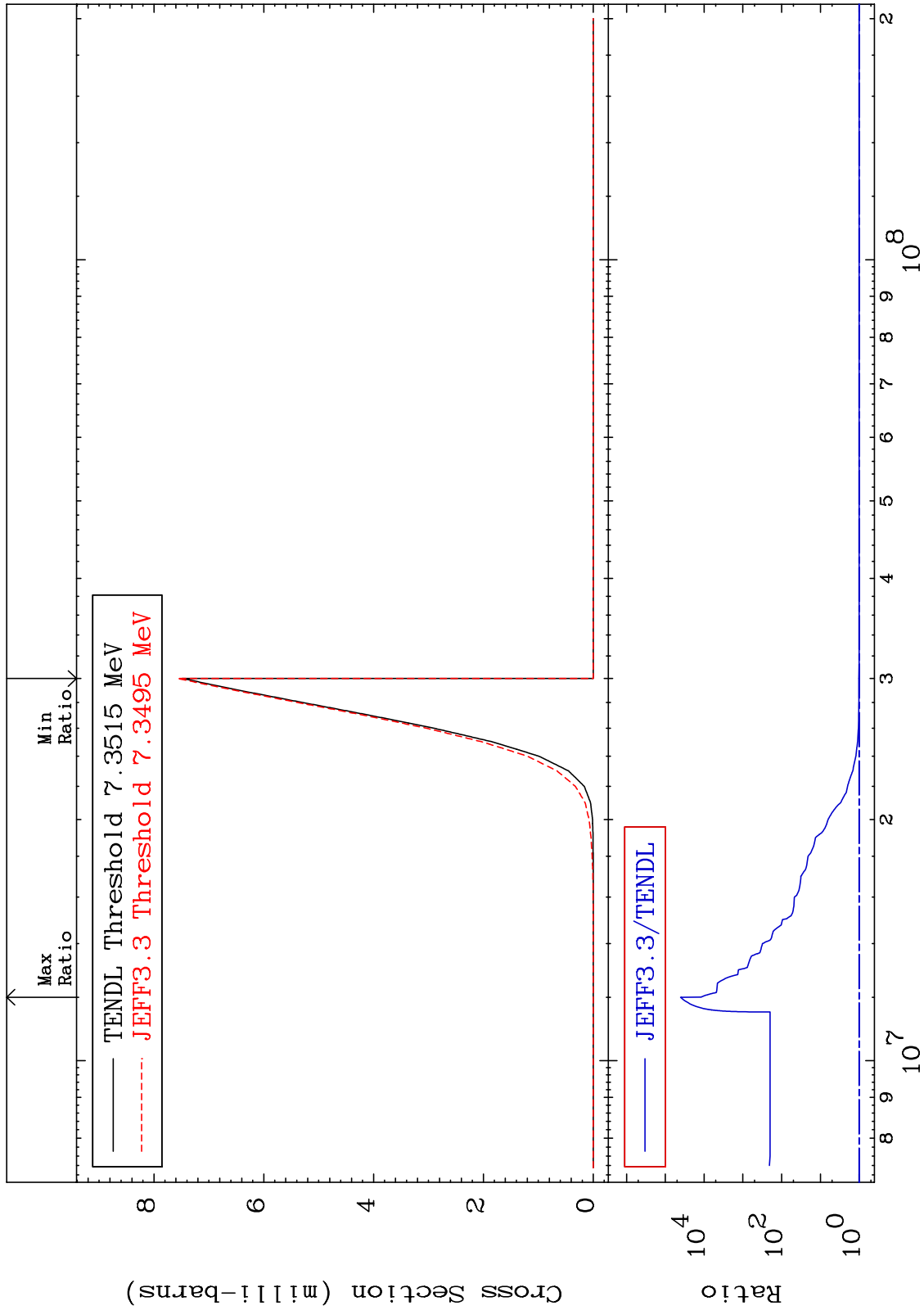
Incident Energy (eV)

62-Sm-146

MAT 6231

(n,2n) α :60-Nd-141g
Radionuclide Production Cross Section 0.000 To 9999. %

62-Sm-146



81

Incident Energy (eV)

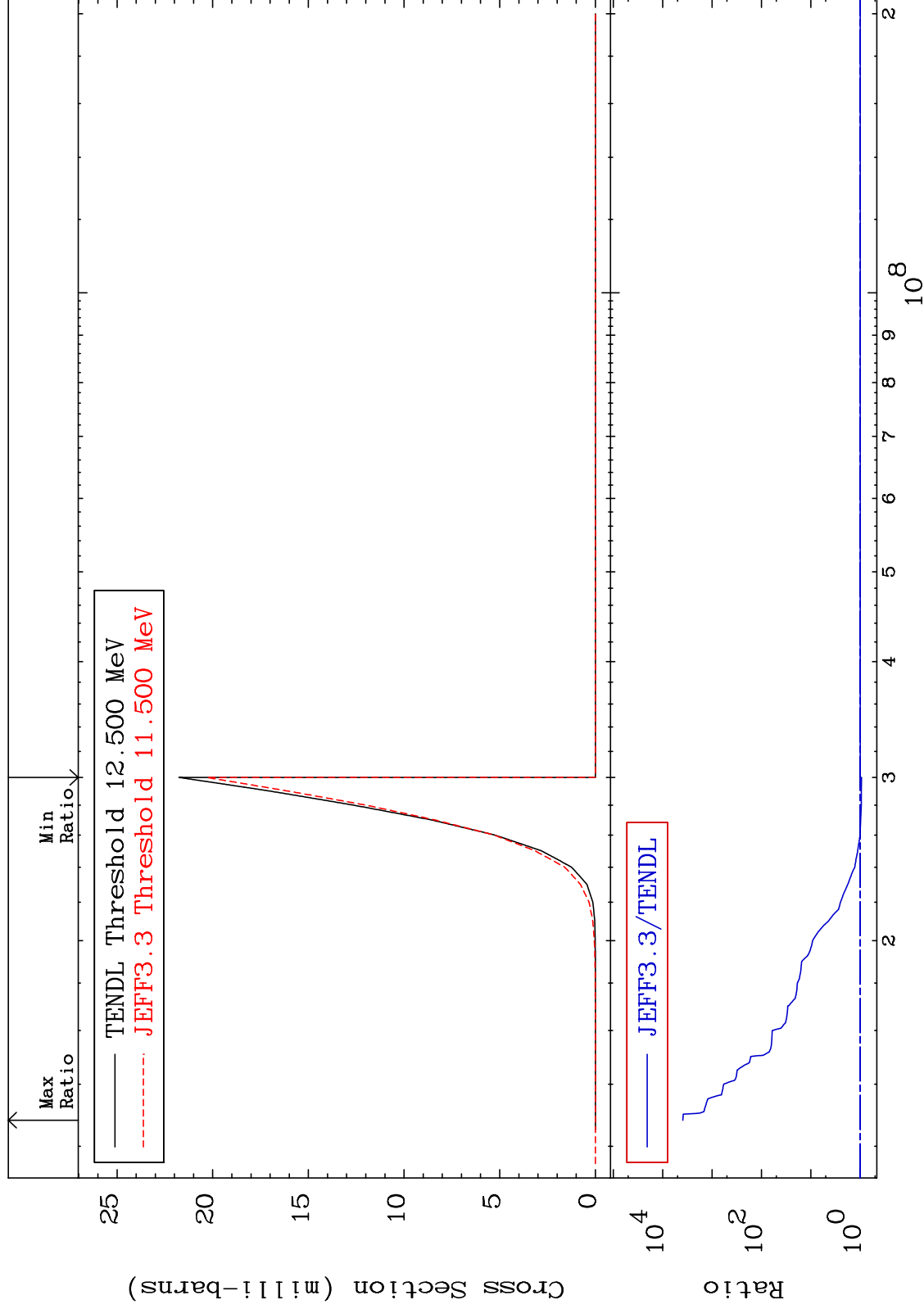
62-Sm-146

MAT 6231

(n,2n) α : 60-Nd-141m2

62-Sm-146

Radionuclide Production Cross Section -6.580 To 9999. %

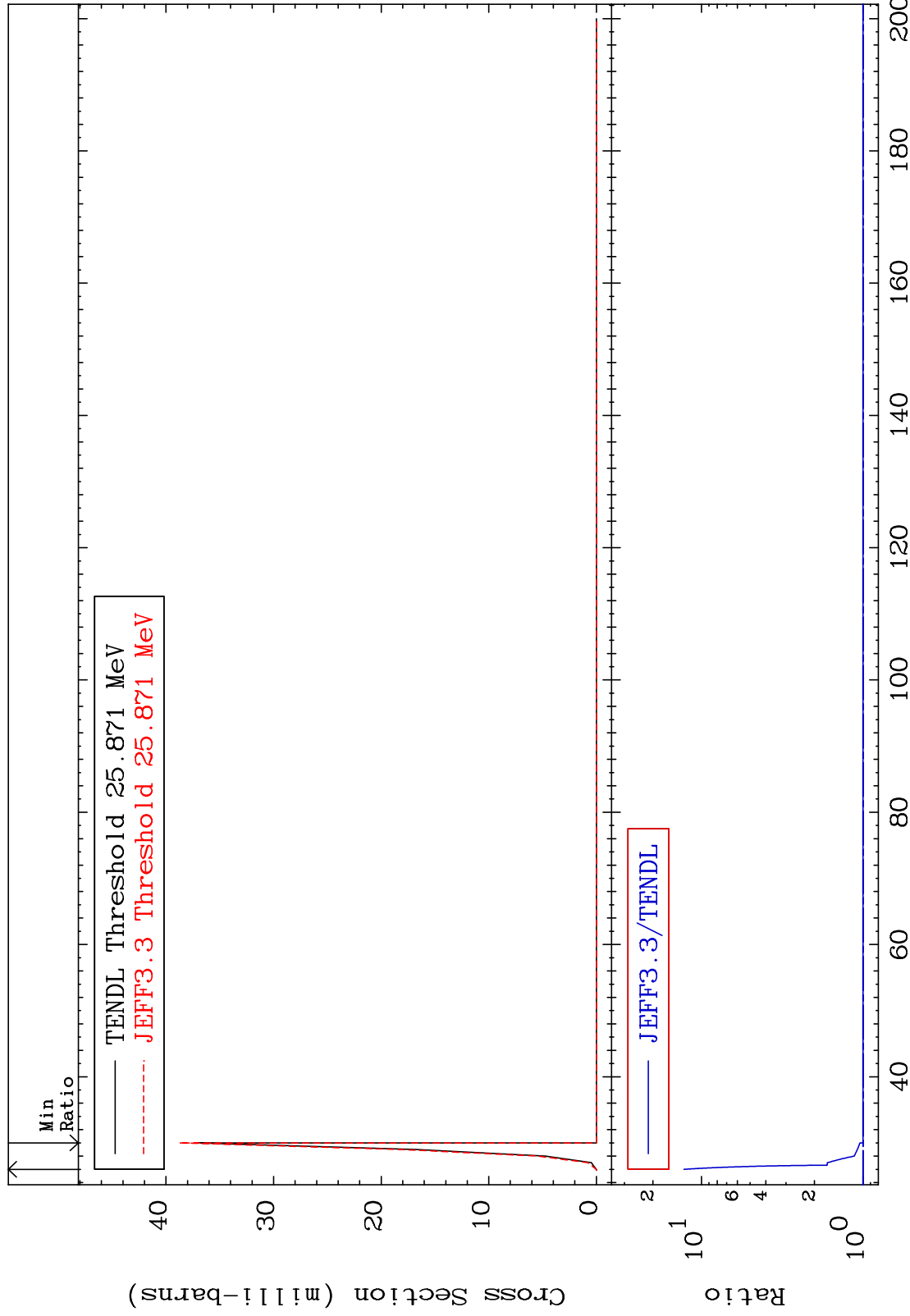


MAT 6231

(n,4n):62-Sm-143g

62-Sm-146

Radionuclide Production Cross Section 0.000 To 1183. %



MAT 6231

(n, 4n): 62-Sm-143m2

62-Sm-146

Radionuclide Production Cross Section 0.000 To 391.3 %

