

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

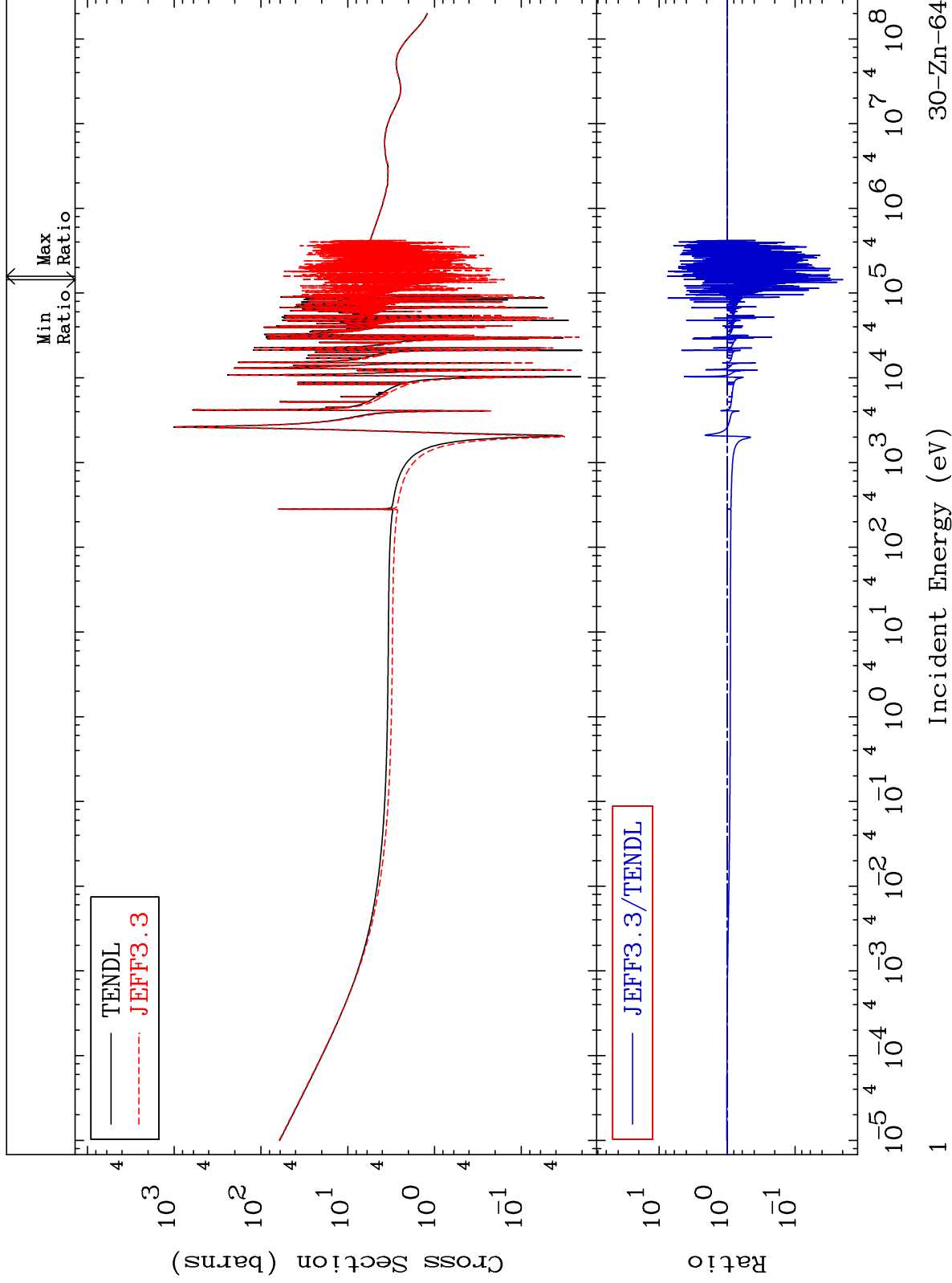
MAT 3025

Total

Cross Section

30-Zn-64

-98.00 To 654.1 %



30-Zn-64

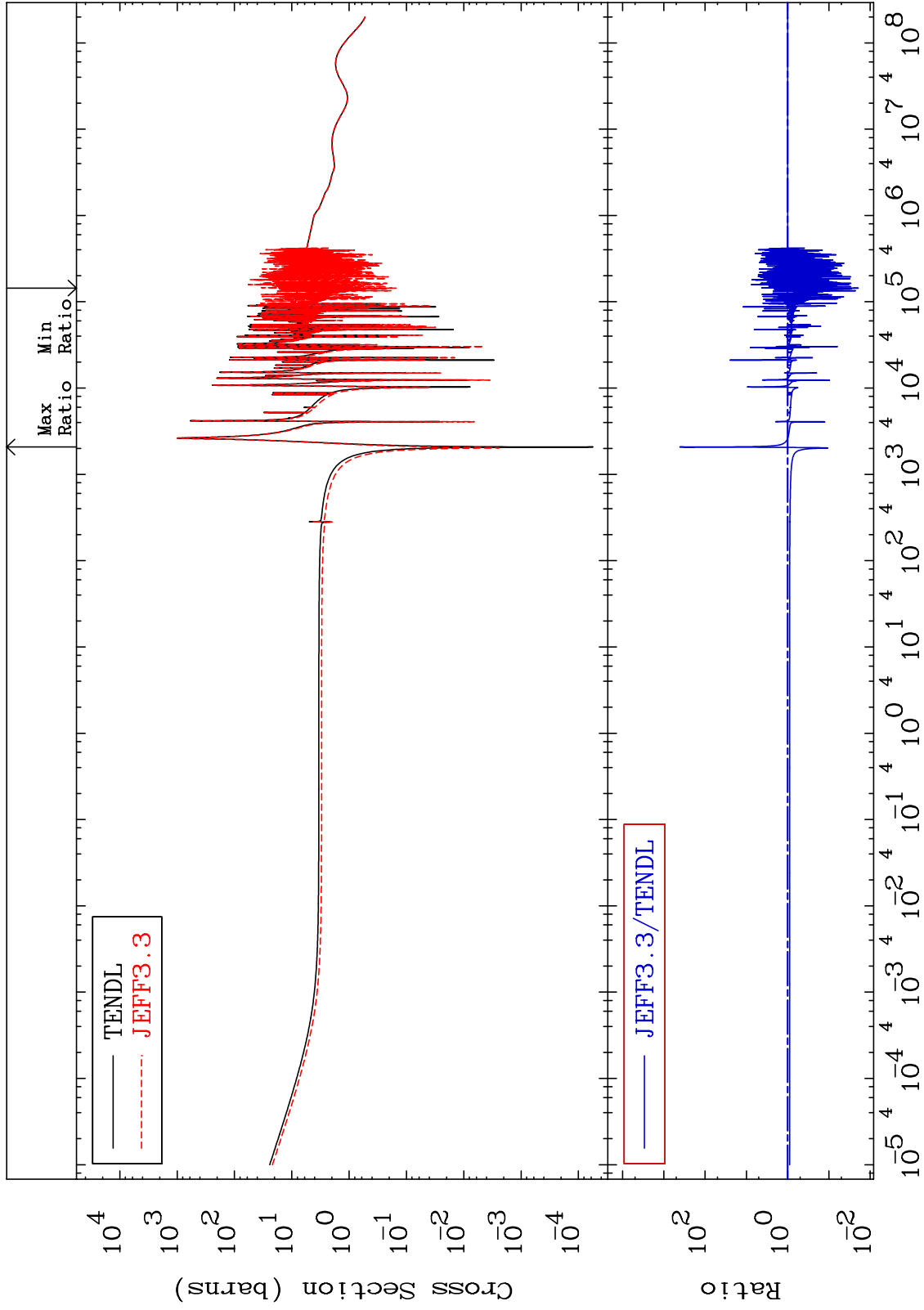
MAT 3025

Elastic

Cross Section

30-Zn-64

-98.08 To 9999. %



2

Incident Energy (eV)

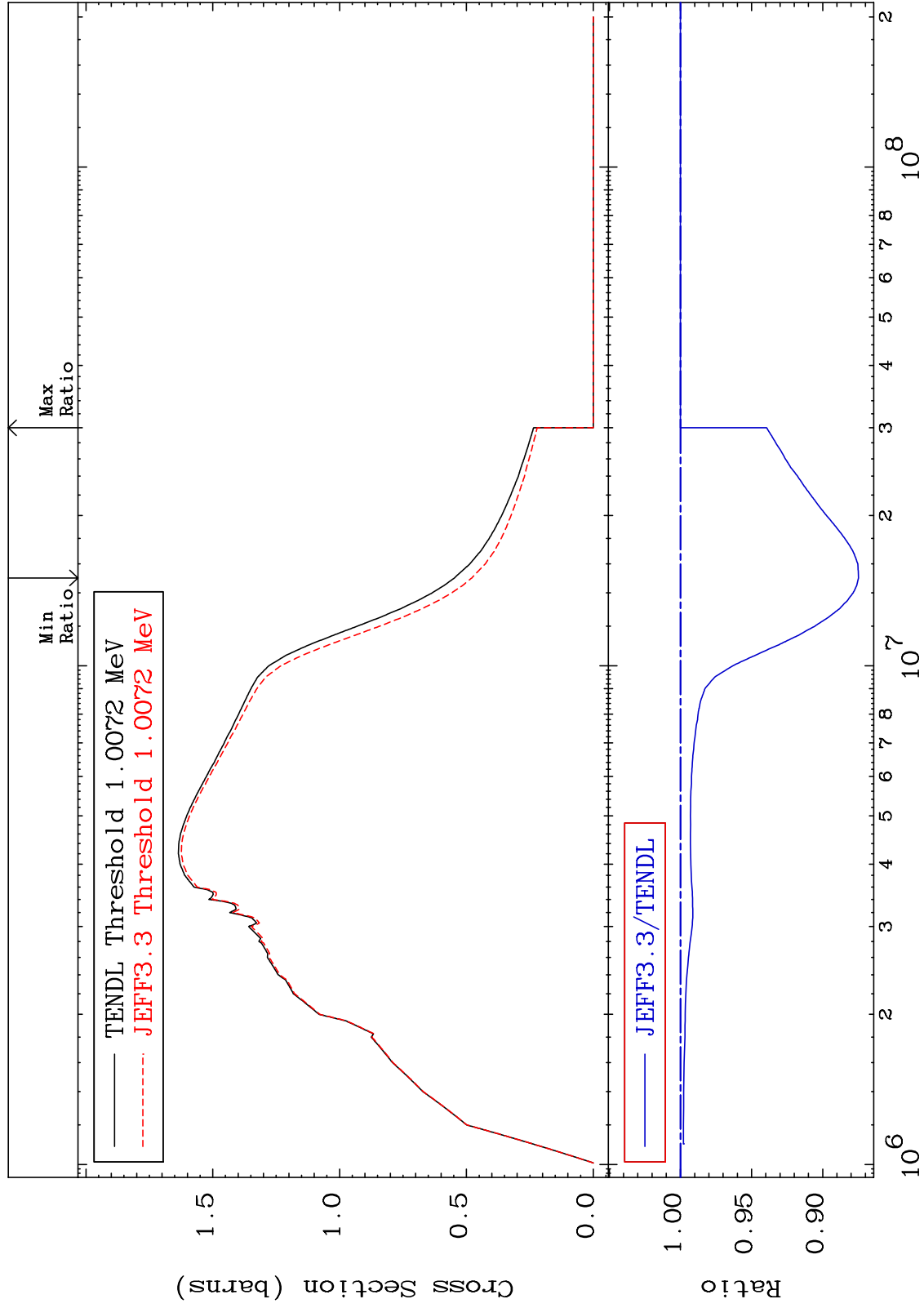
30-Zn-64

MAT 3025

Inelastic
Cross Section

30-Zn-64

-12.52 To 0.000 %



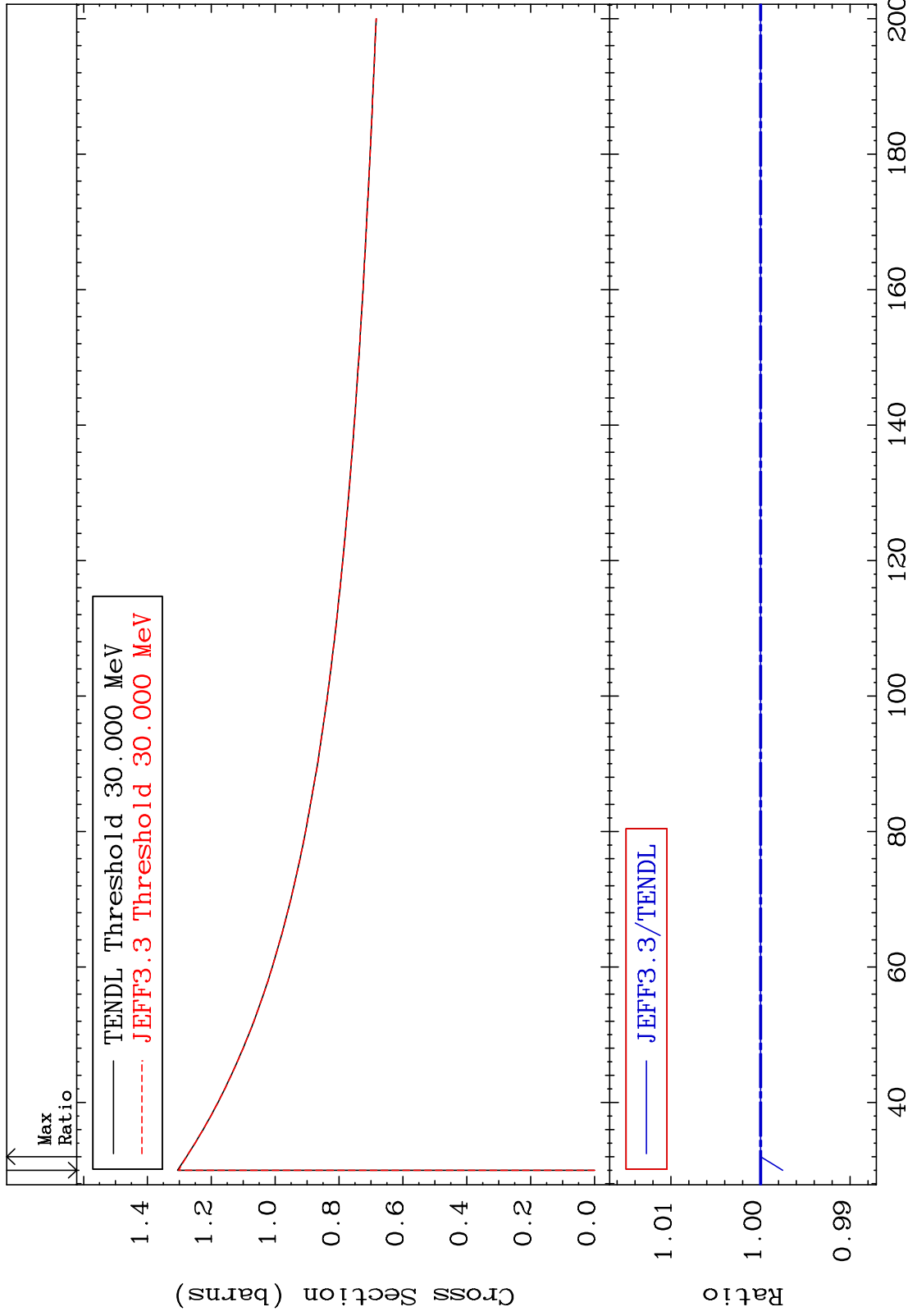
Incident Energy (eV)

30-Zn-64

MAT 3025

(n, remainder)
Cross Section

30-Zn-64
-0.247 To 0.000 %



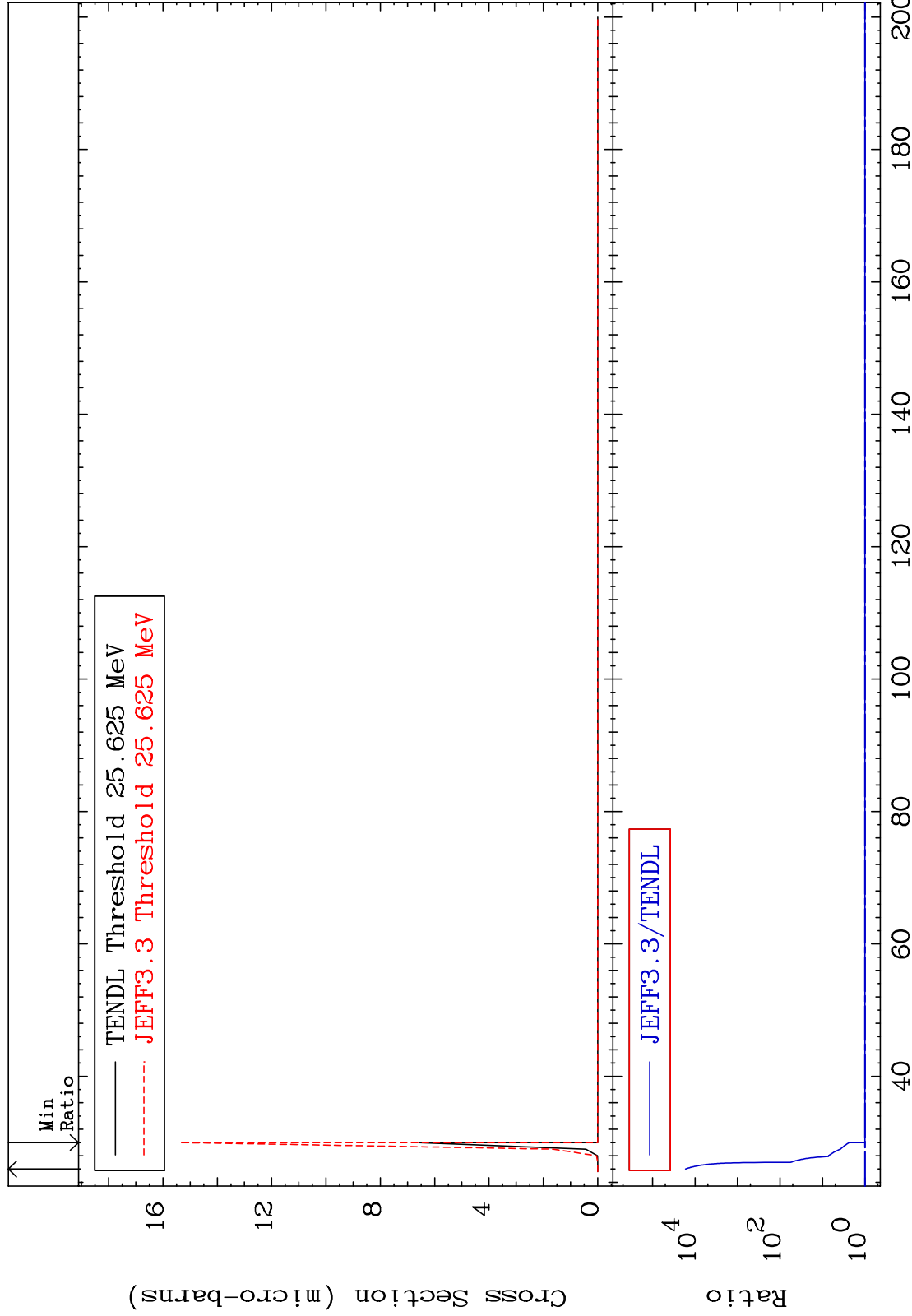
MAT 3025

(n,2n) d

30-Zn-64

Cross Section

0.000 To 9999. %



Incident Energy (MeV)

30-Zn-64

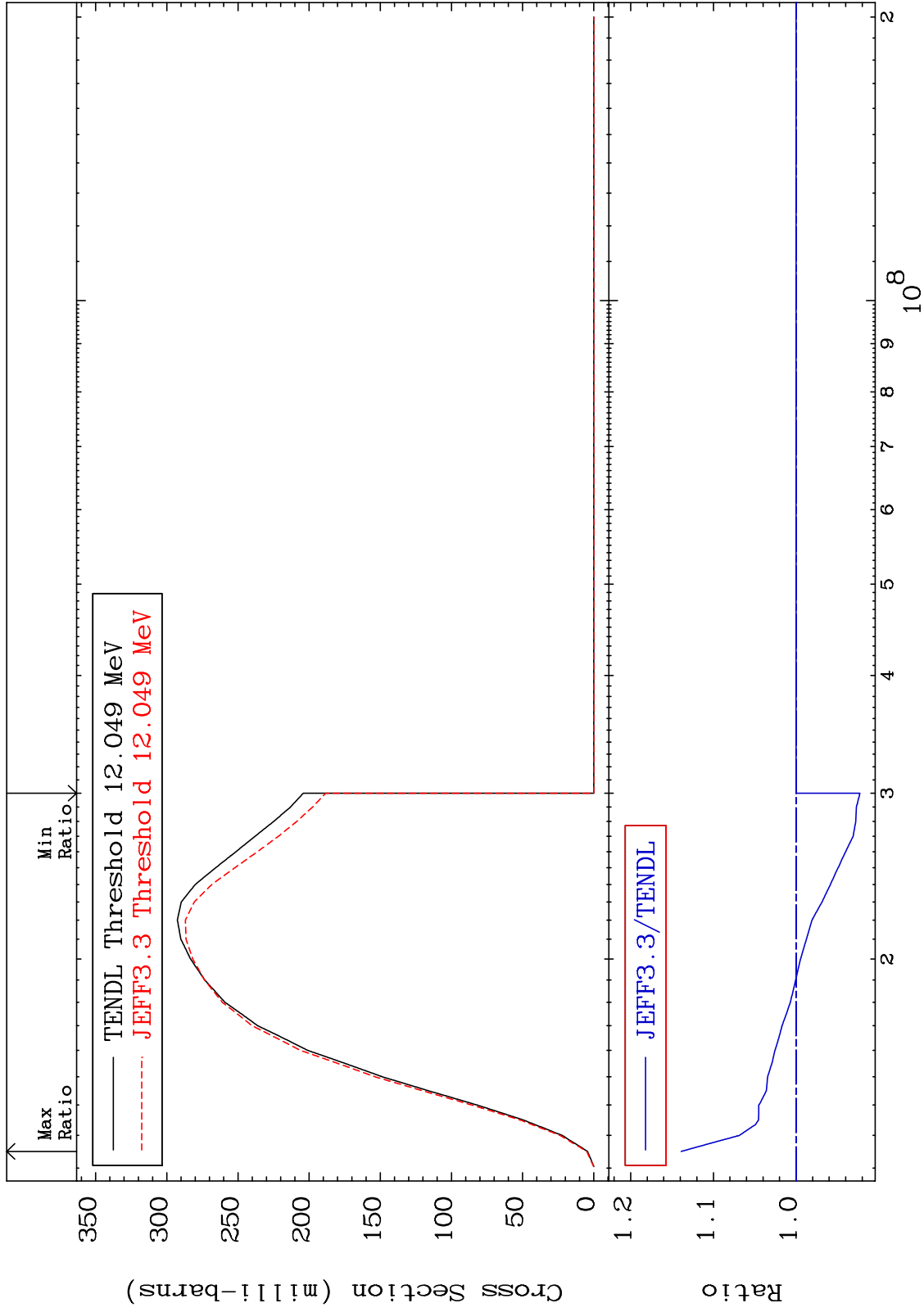
MAT 3025

(n, 2n)

30-Zn-64

Cross Section

-7.721 To 13.89 %



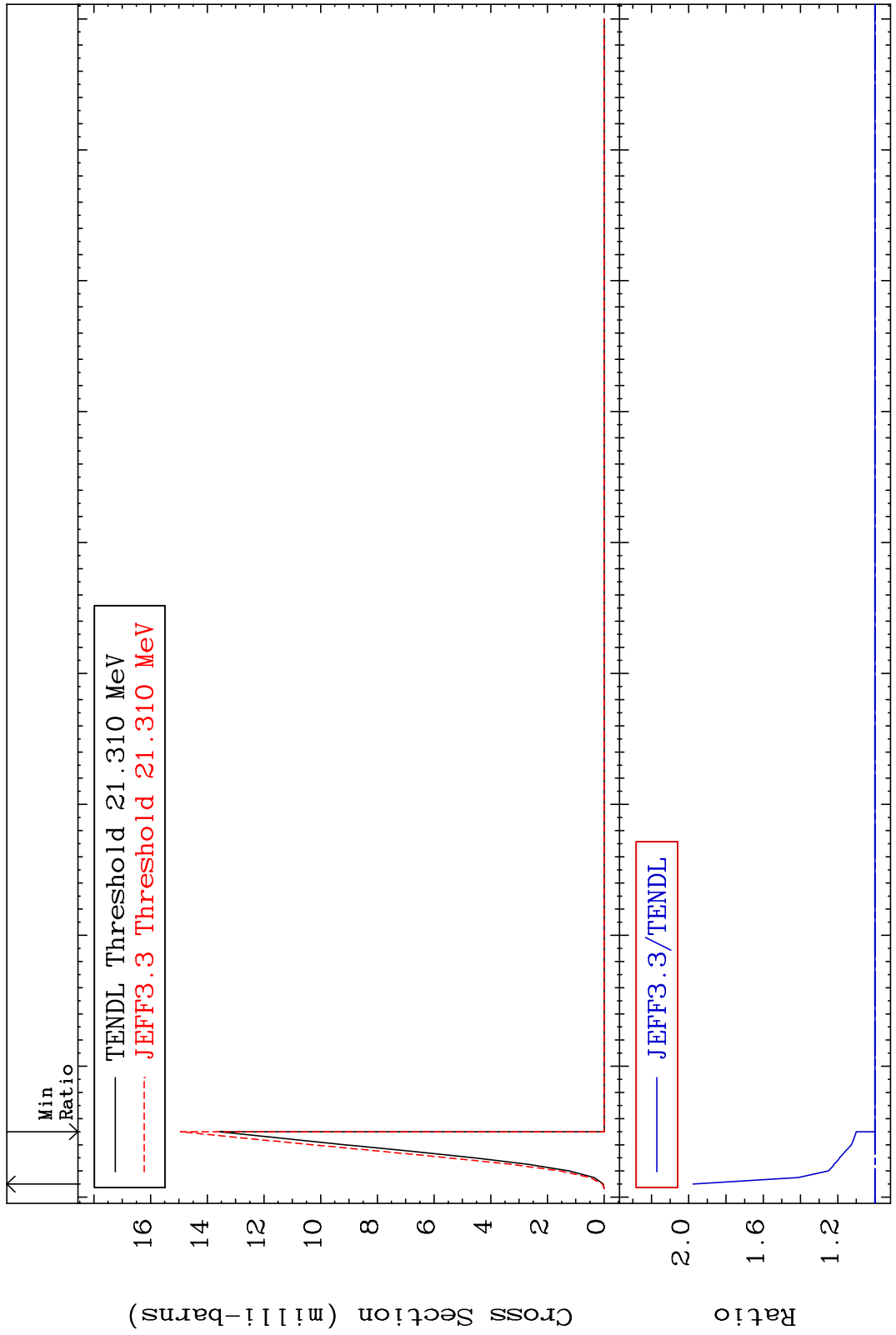
MAT 3025

(n, 3n)

³⁰Zn-64

Cross Section

0.000 To 97.63 %



³⁰Zn-64

Incident Energy (MeV)

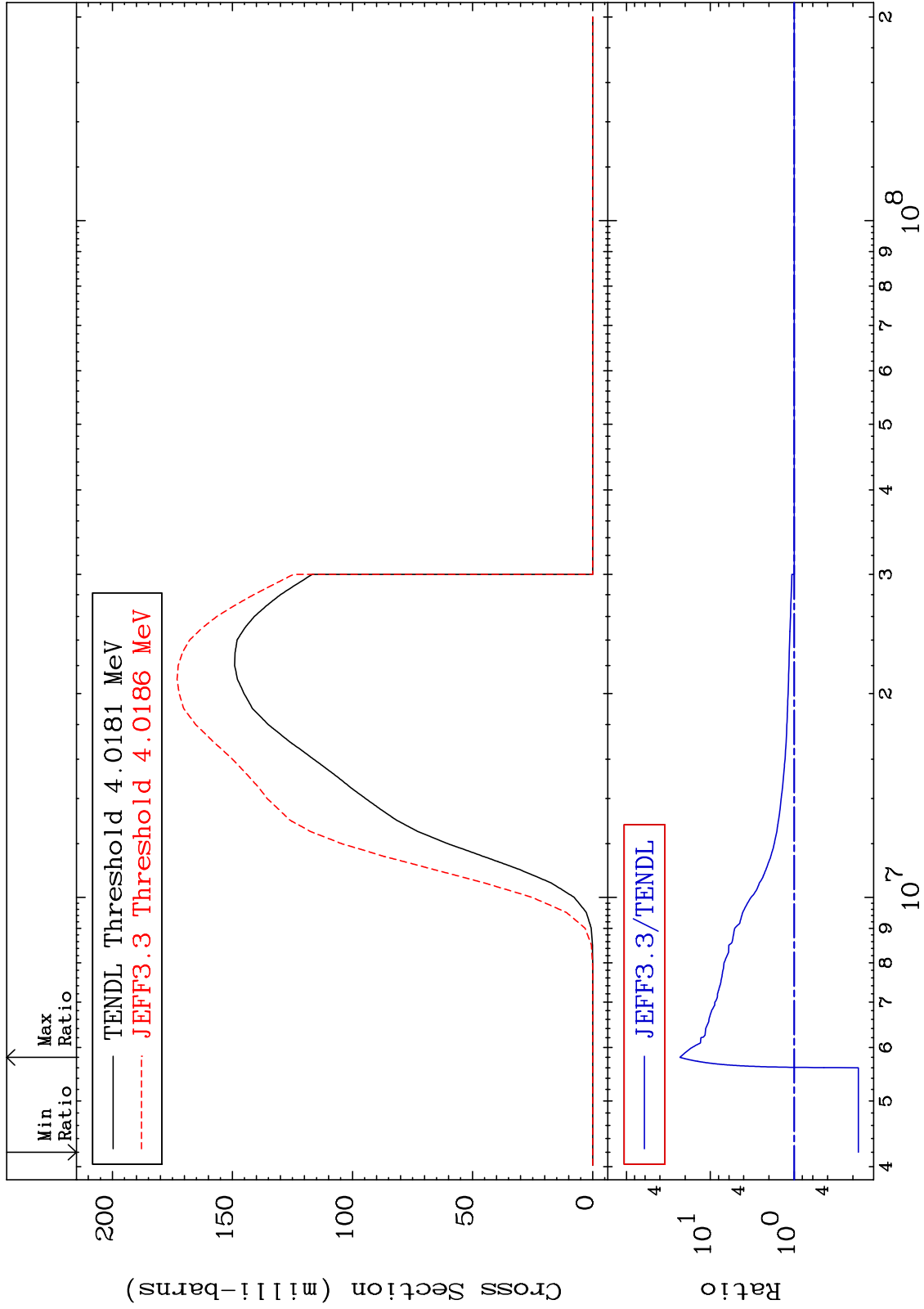
MAT 3025

(n,n') α

30-Zn-64

Cross Section

-82.79 To 2198. %



Incident Energy (eV)

30-Zn-64

8

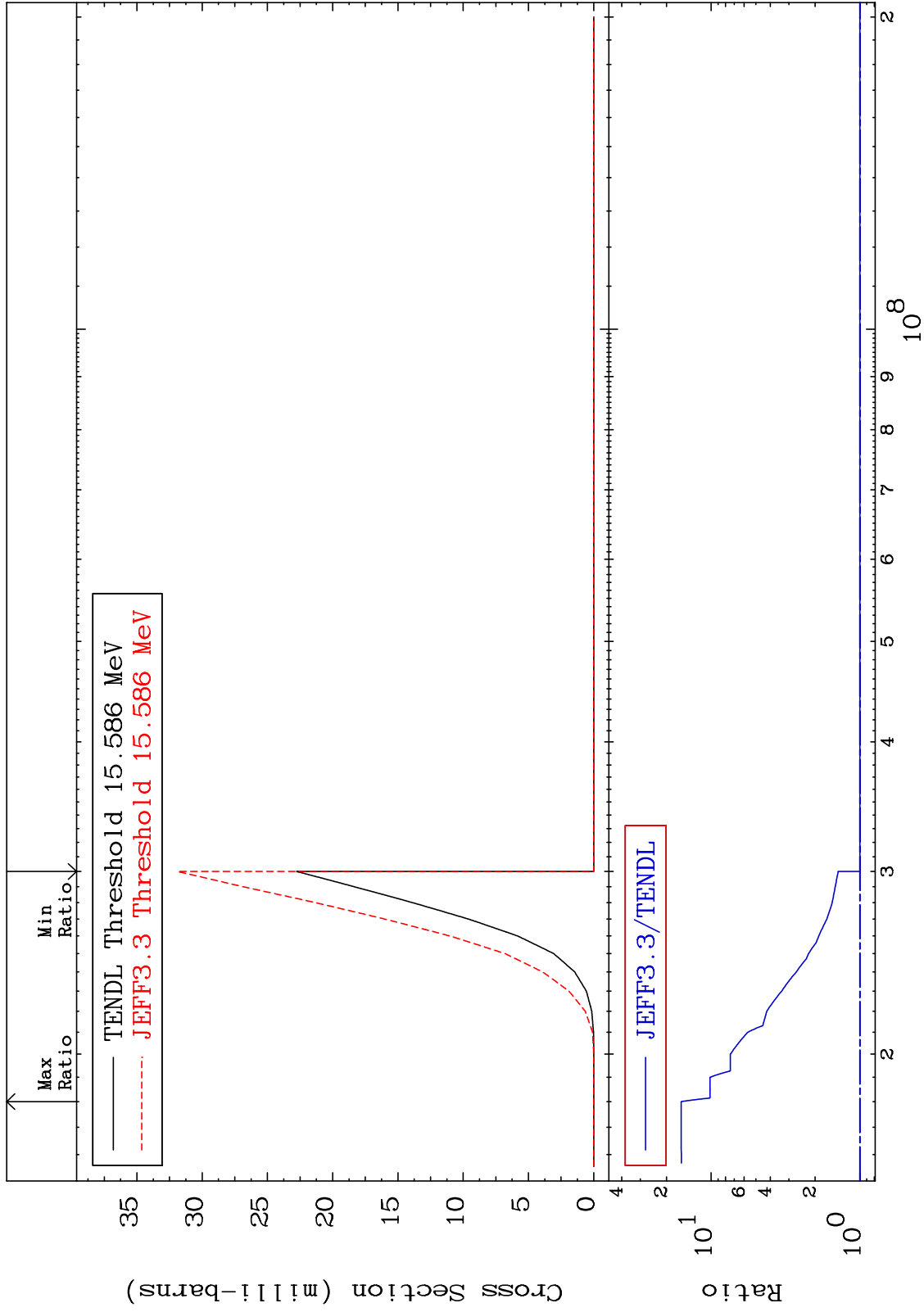
MAT 3025

(n,2n) α

30-Zn-64

Cross Section

0.000 To 1490. %



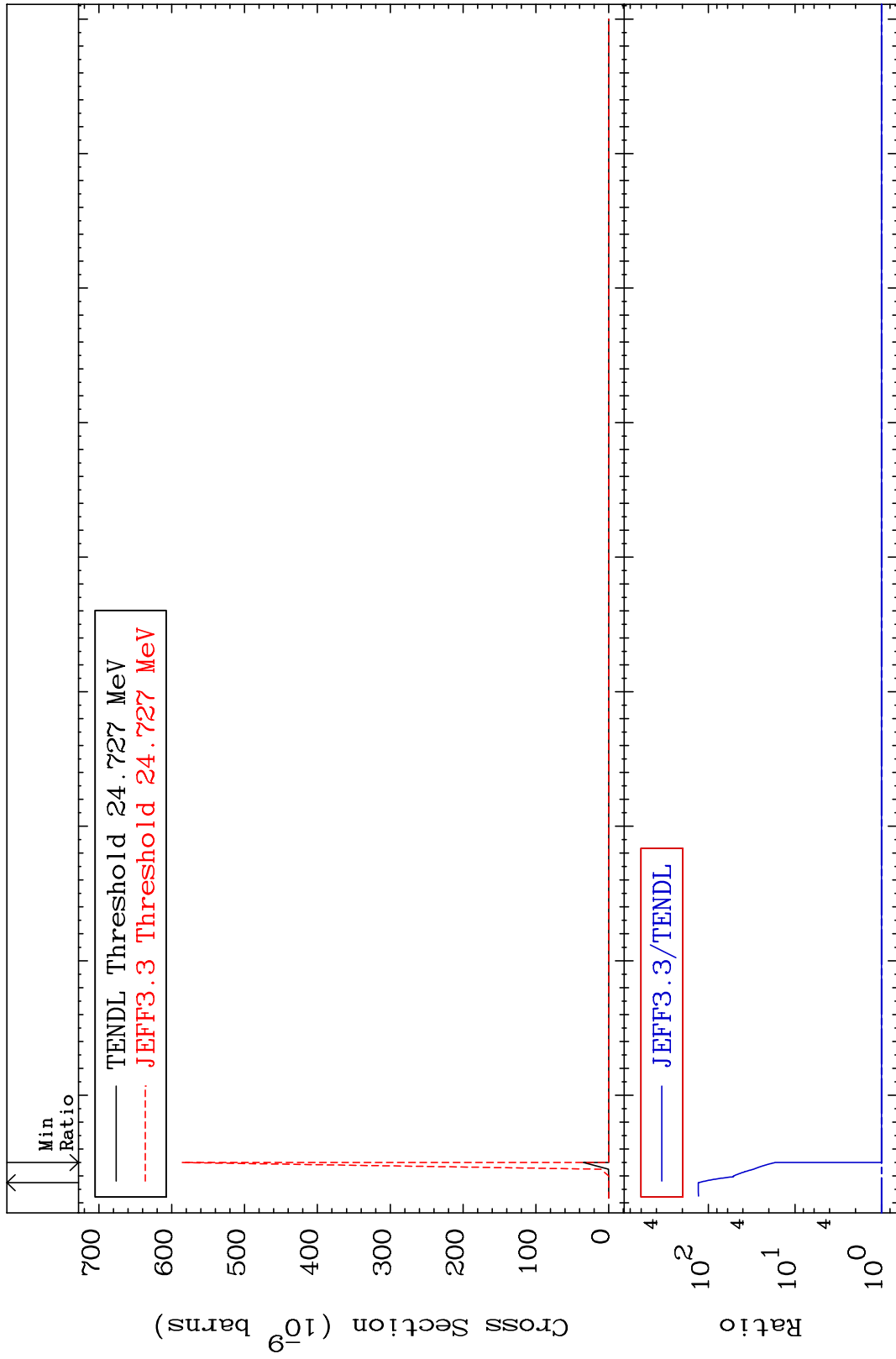
MAT 3025

(n,3n) α

30-Zn-64

Cross Section

0.000 To 9999. %



Incident Energy (MeV)

30-Zn-64

10

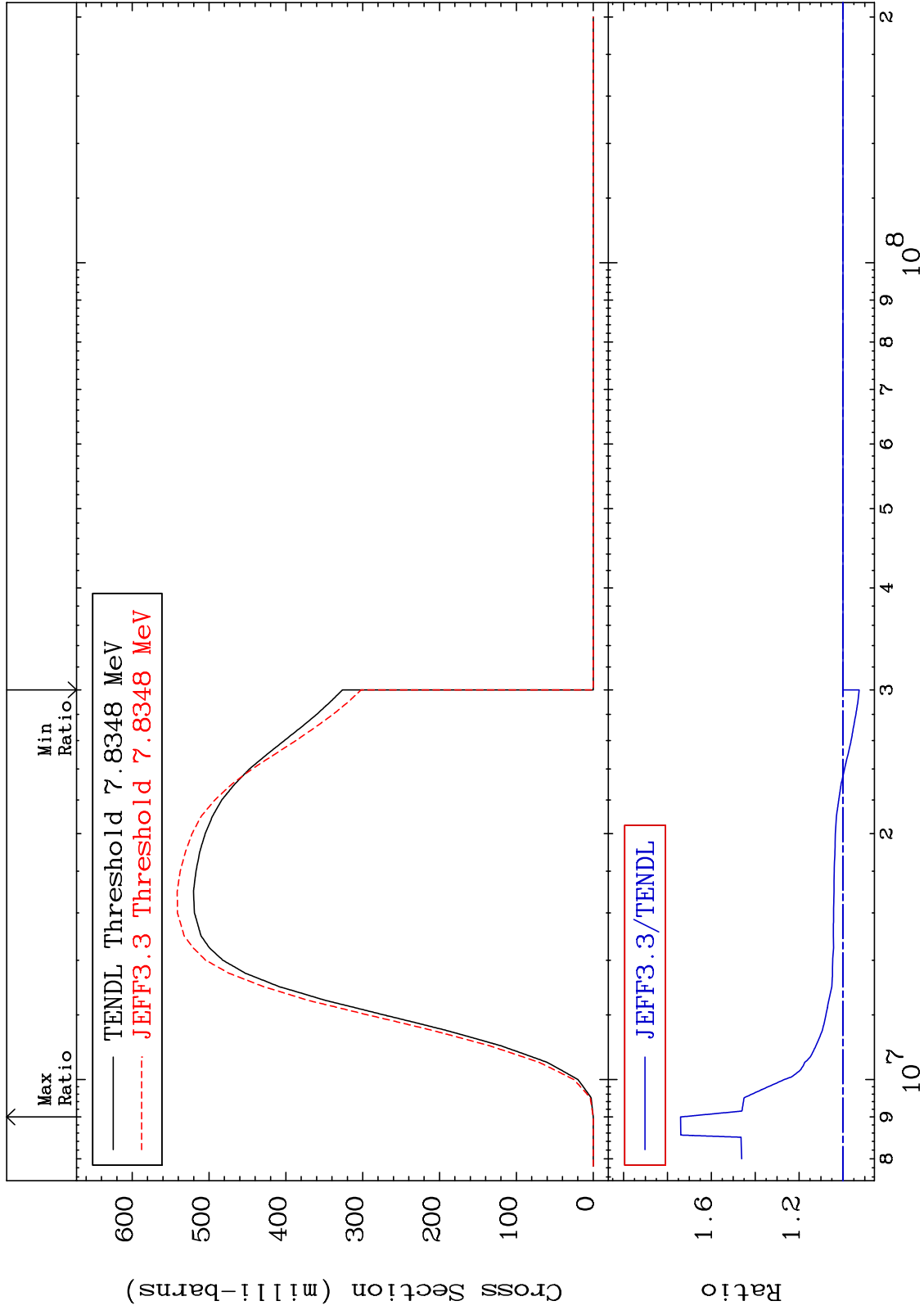
MAT 3025

(n,n') p

30-Zn-64

Cross Section

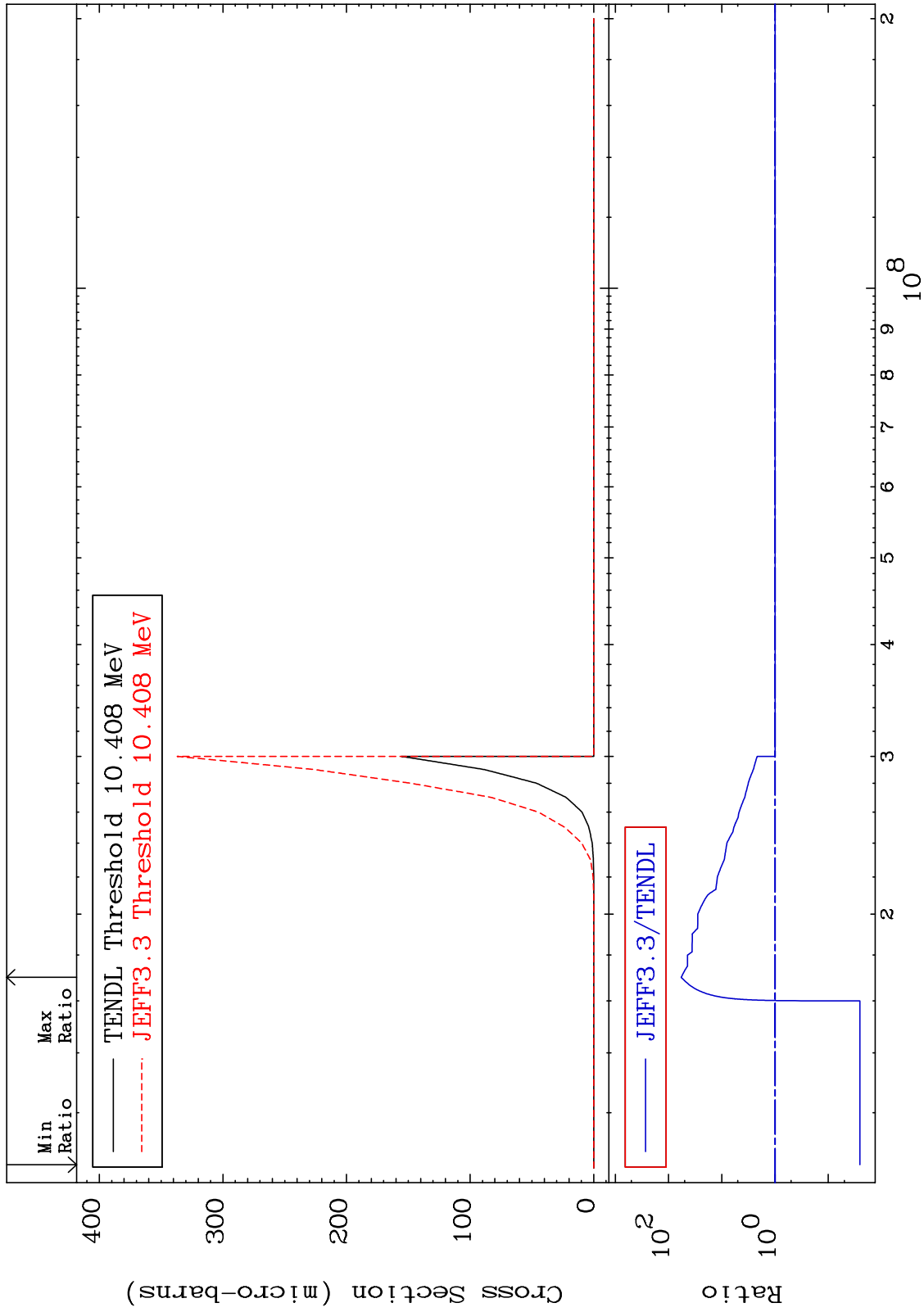
-7.435 To 73.97 %



MAT 3025

(n,n') 2α
Cross Section

$^{30}\text{Zn-64}$
-97.46 To 5684. %



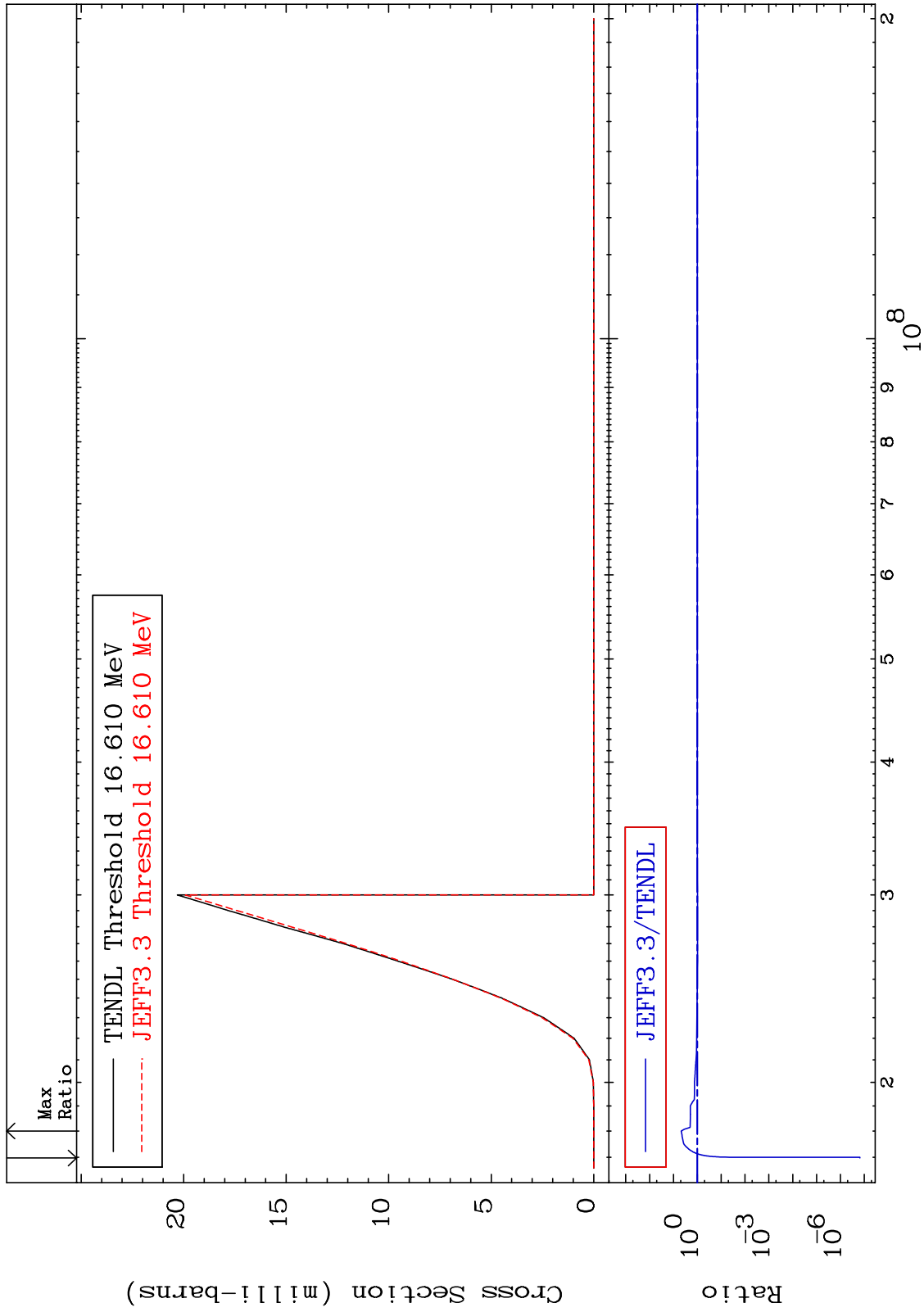
MAT 3025

(n, n') d

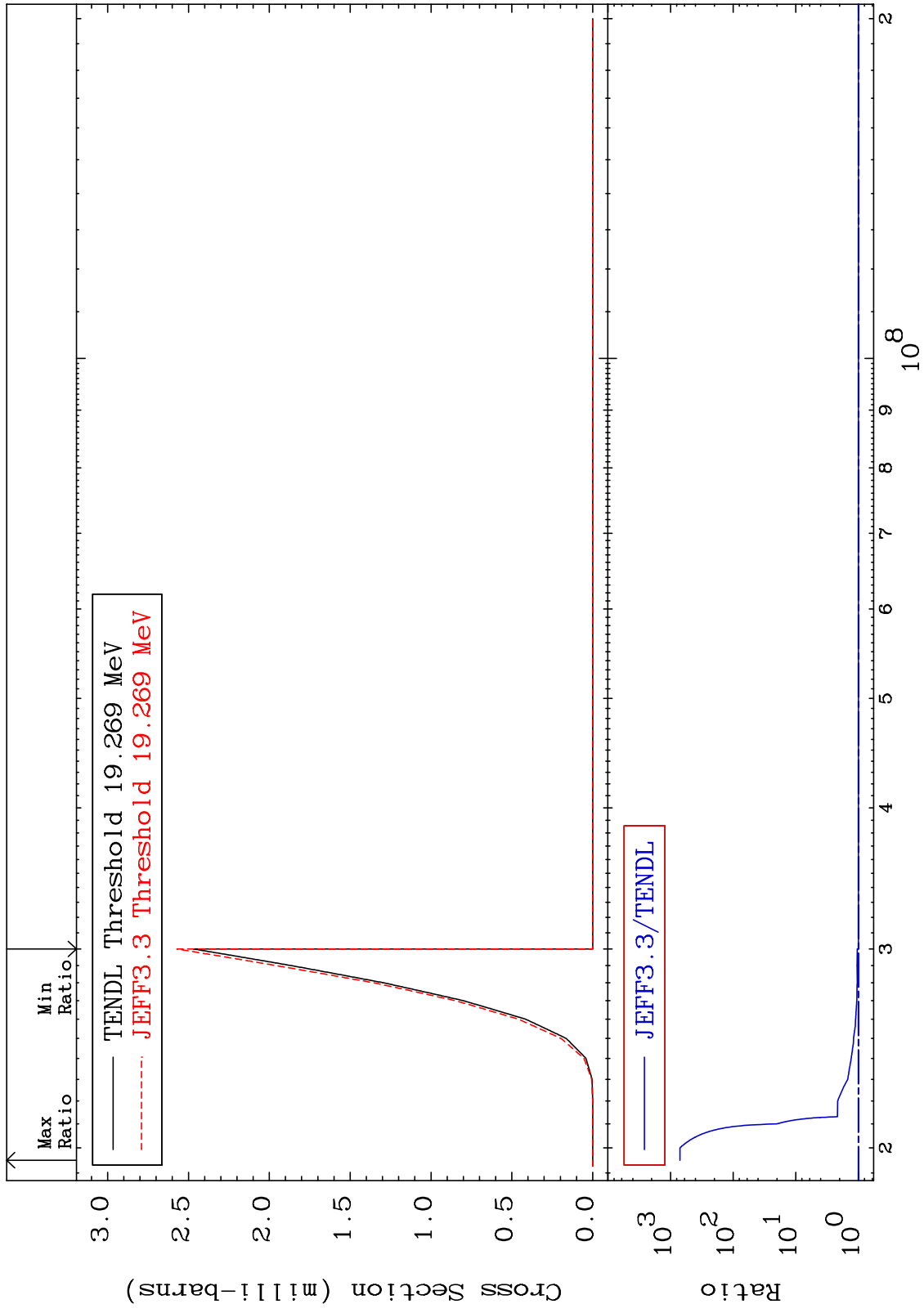
30-Zn-64

Cross Section

-100.0 To 372.5 %



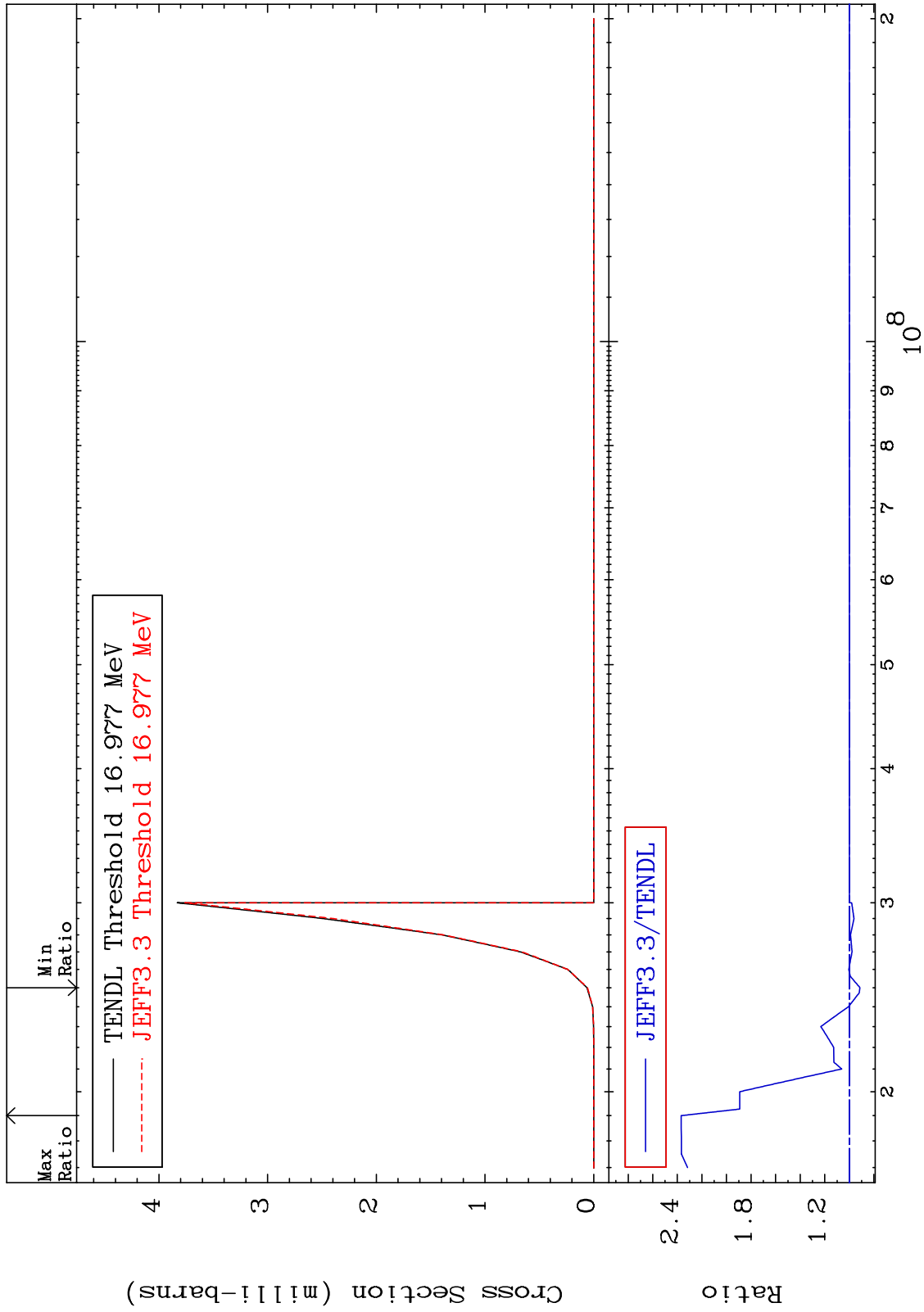
MAT 3025 (n,n') t 30-Zn-64
 Cross Section 0.000 To 9999. %



MAT 3025

(n, n') He-3
Cross Section

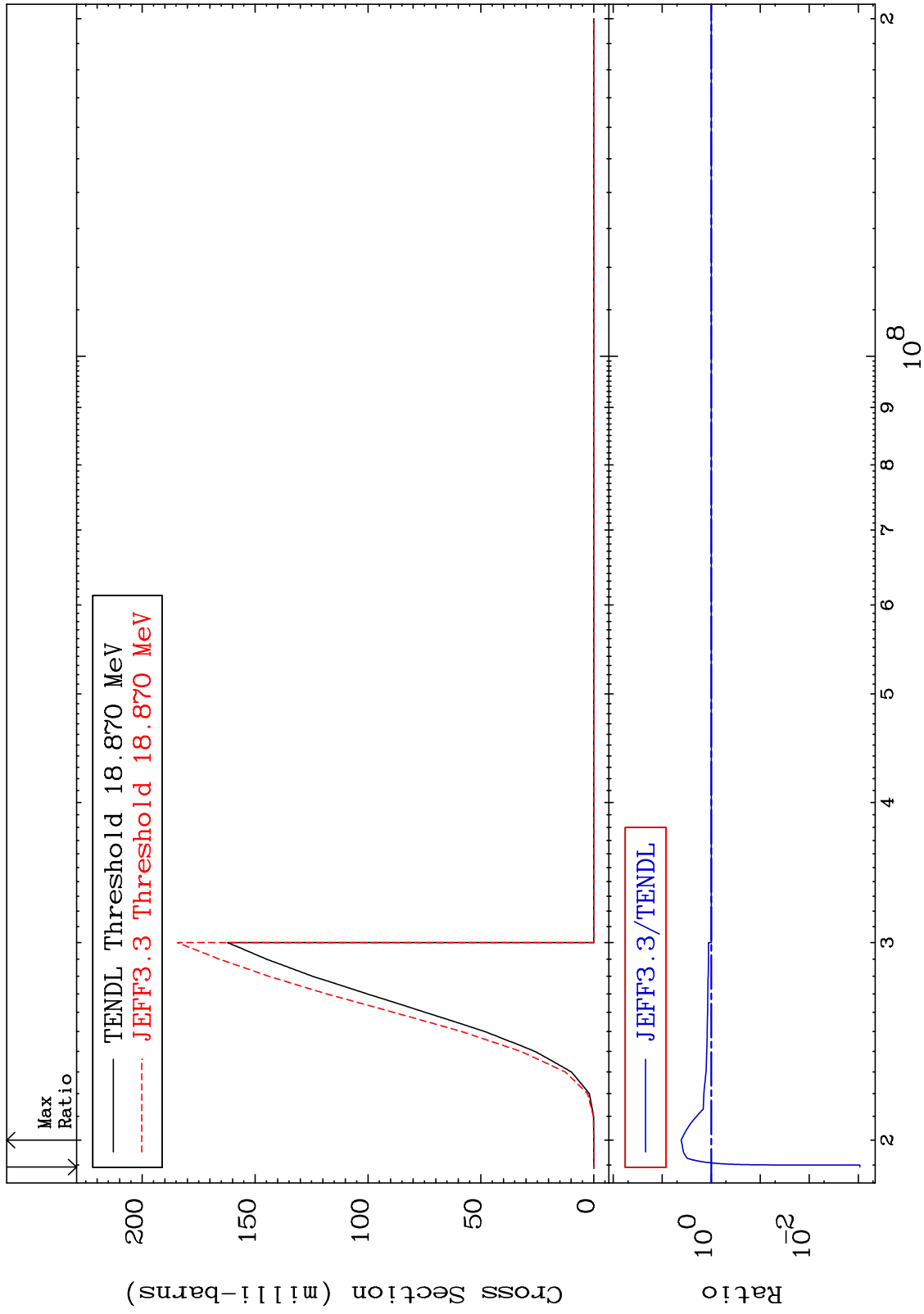
30-Zn-64
-8.573 To 136.8 %



MAT 3025

(n,2n) p
Cross Section

30-Zn-64
-99.91 To 309.8 %



MAT 3025

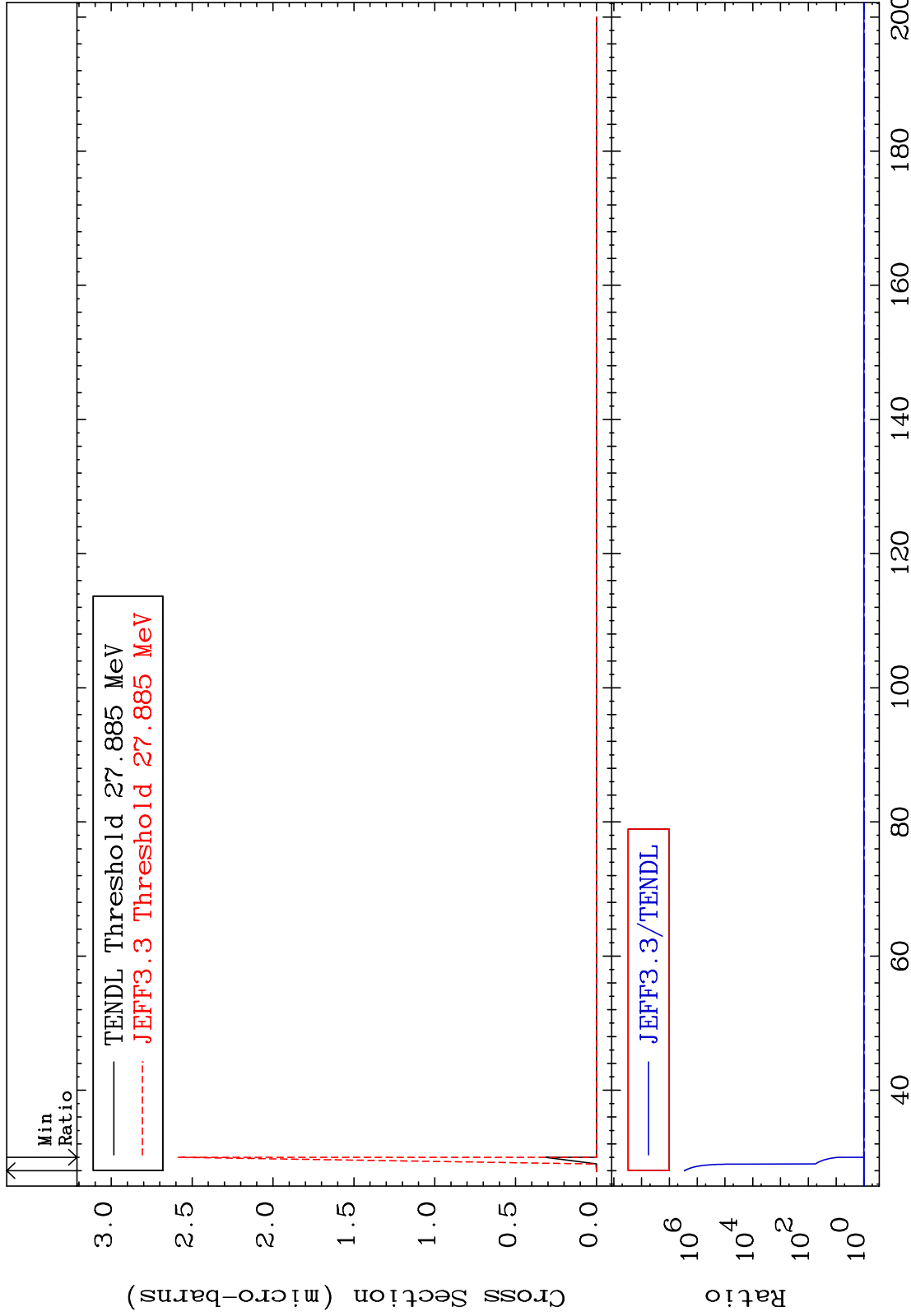
(n,3n) p

30-Zn-64

Cross Section

0.000

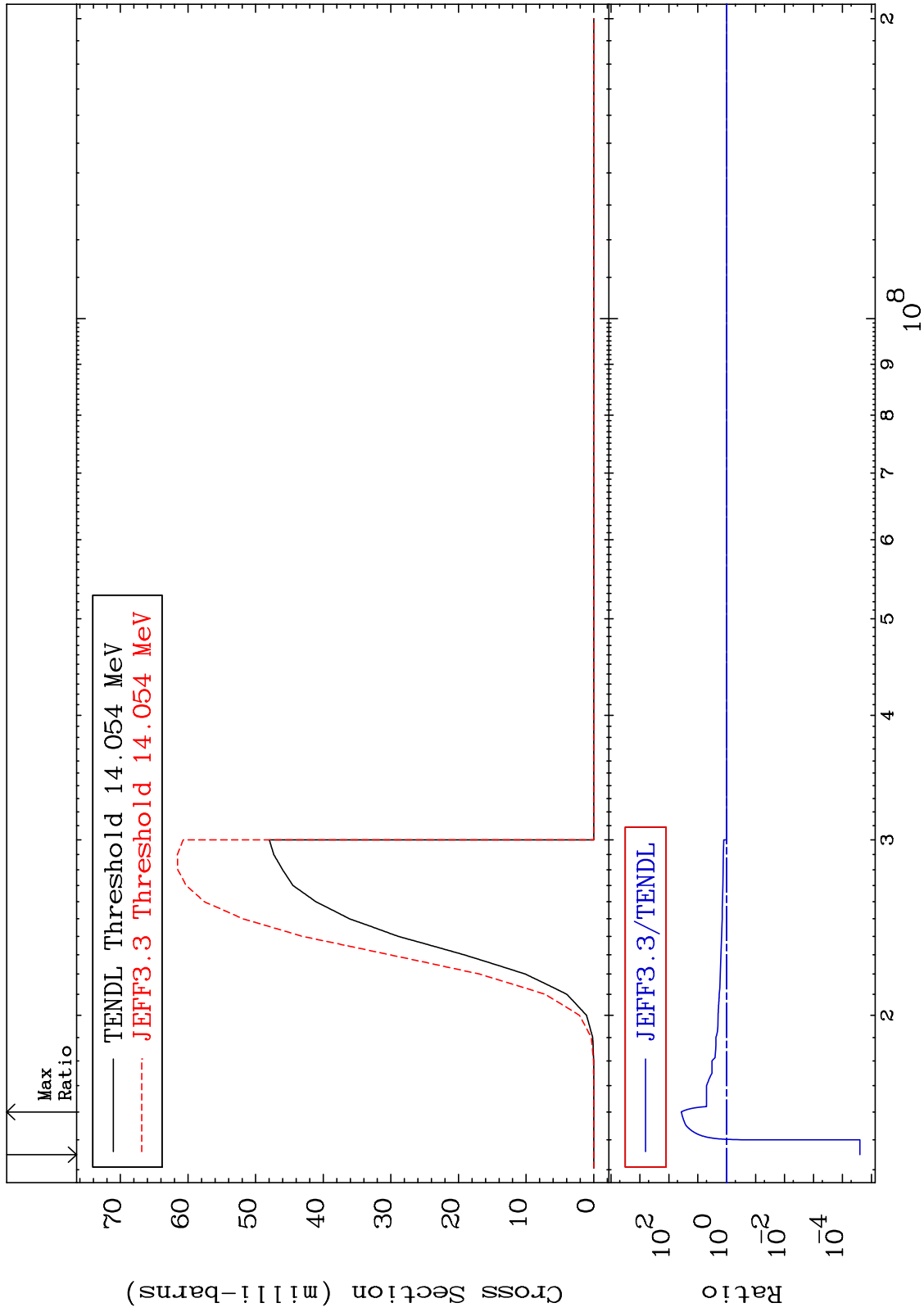
To 9999. %



MAT 3025

(n,2n) p
Cross Section

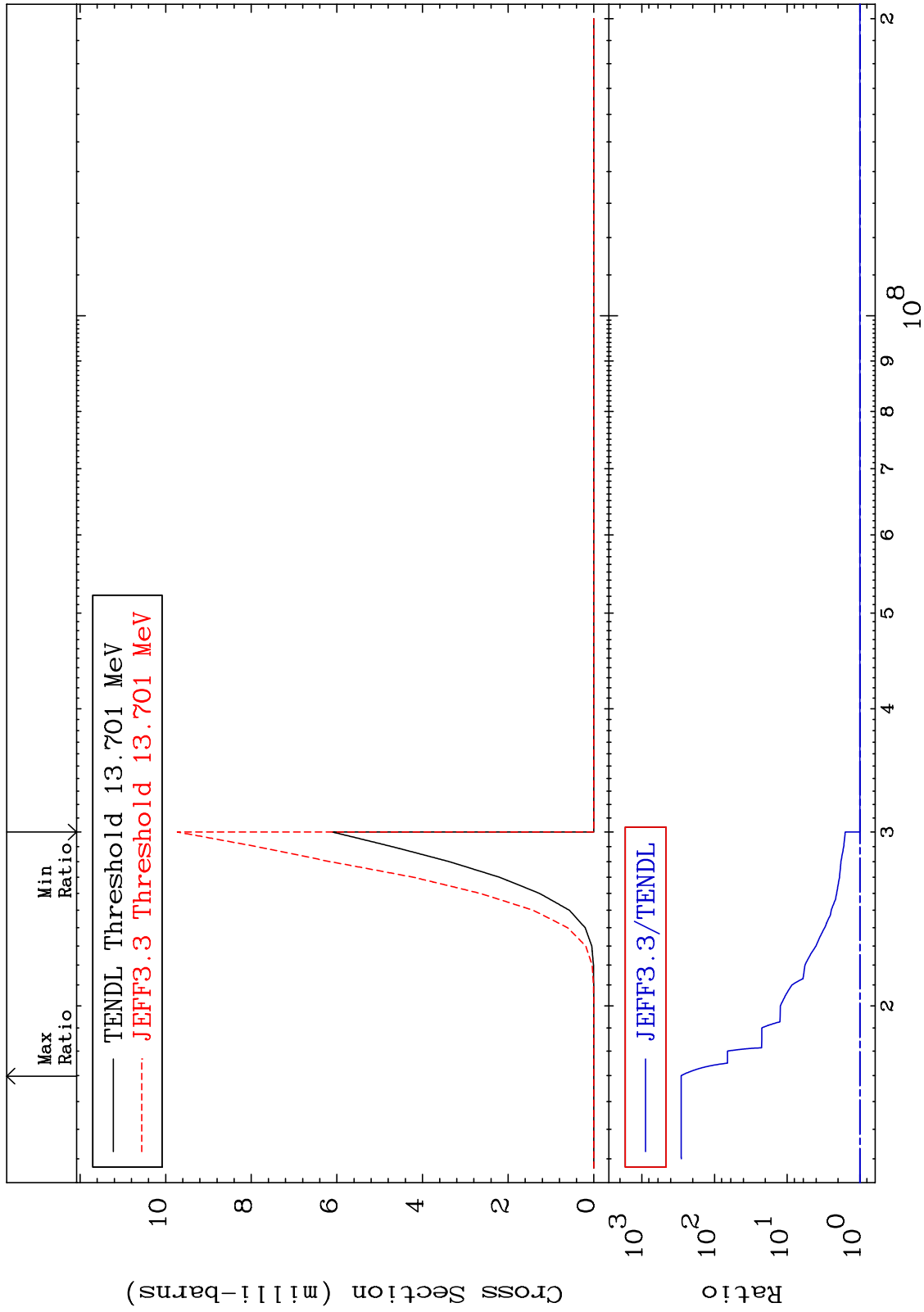
30-Zn-64
-100.0 To 3626. %



MAT 3025

(n, n') p α
Cross Section

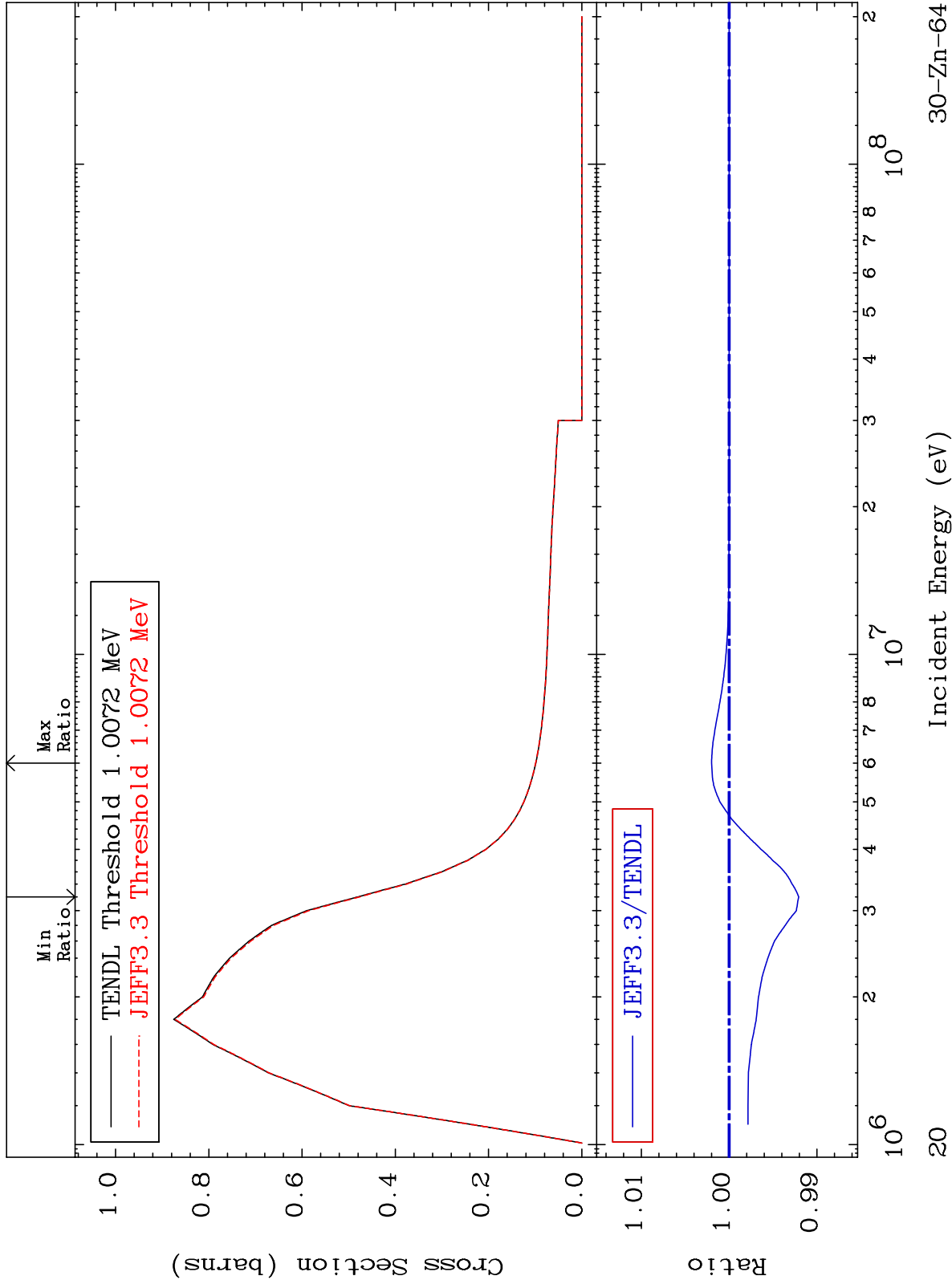
30-Zn-64
0.000 To 9999. %



MAT 3025

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

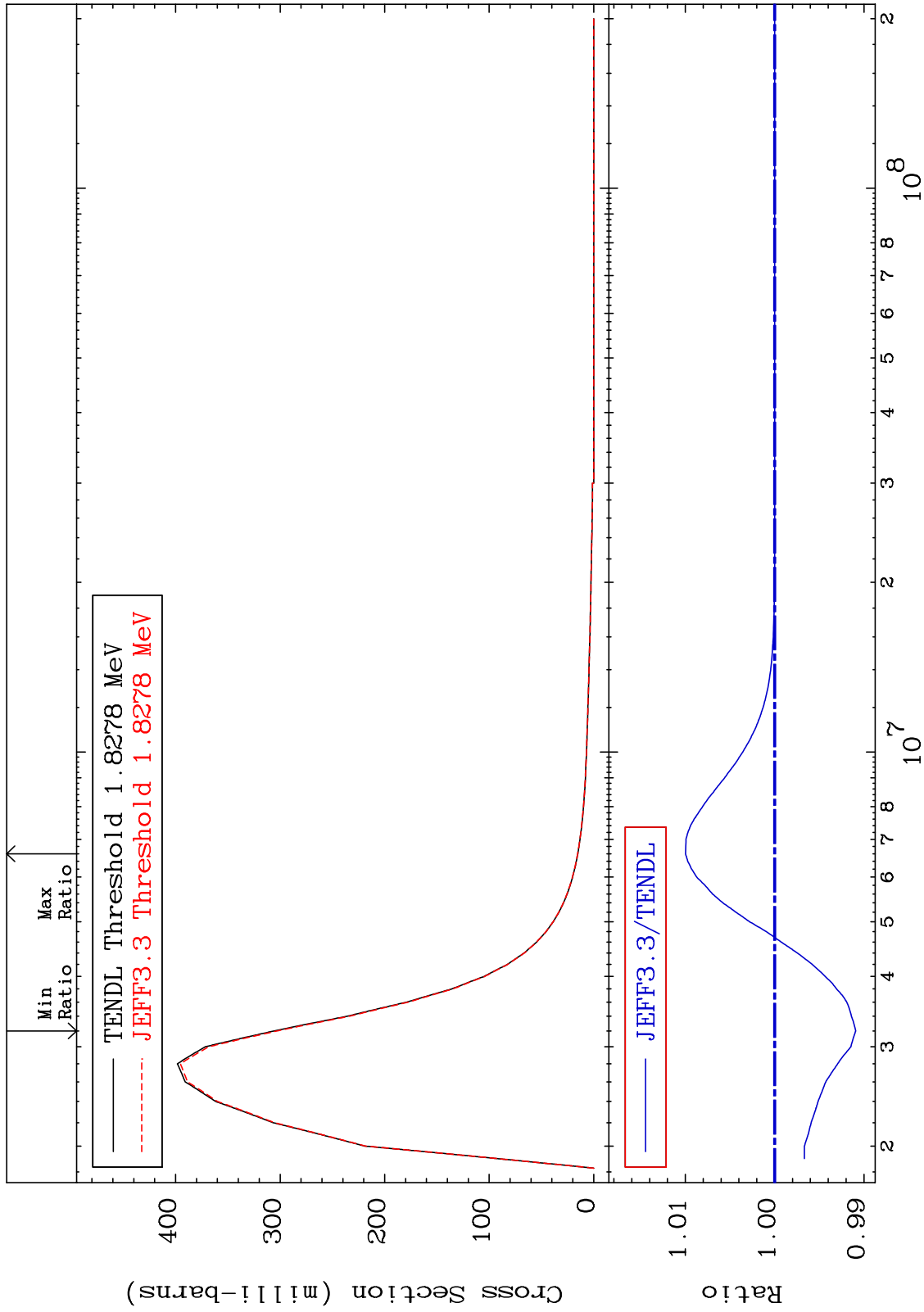
30-Zn-64
-0.793 To 0.200 %



MAT 3025

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

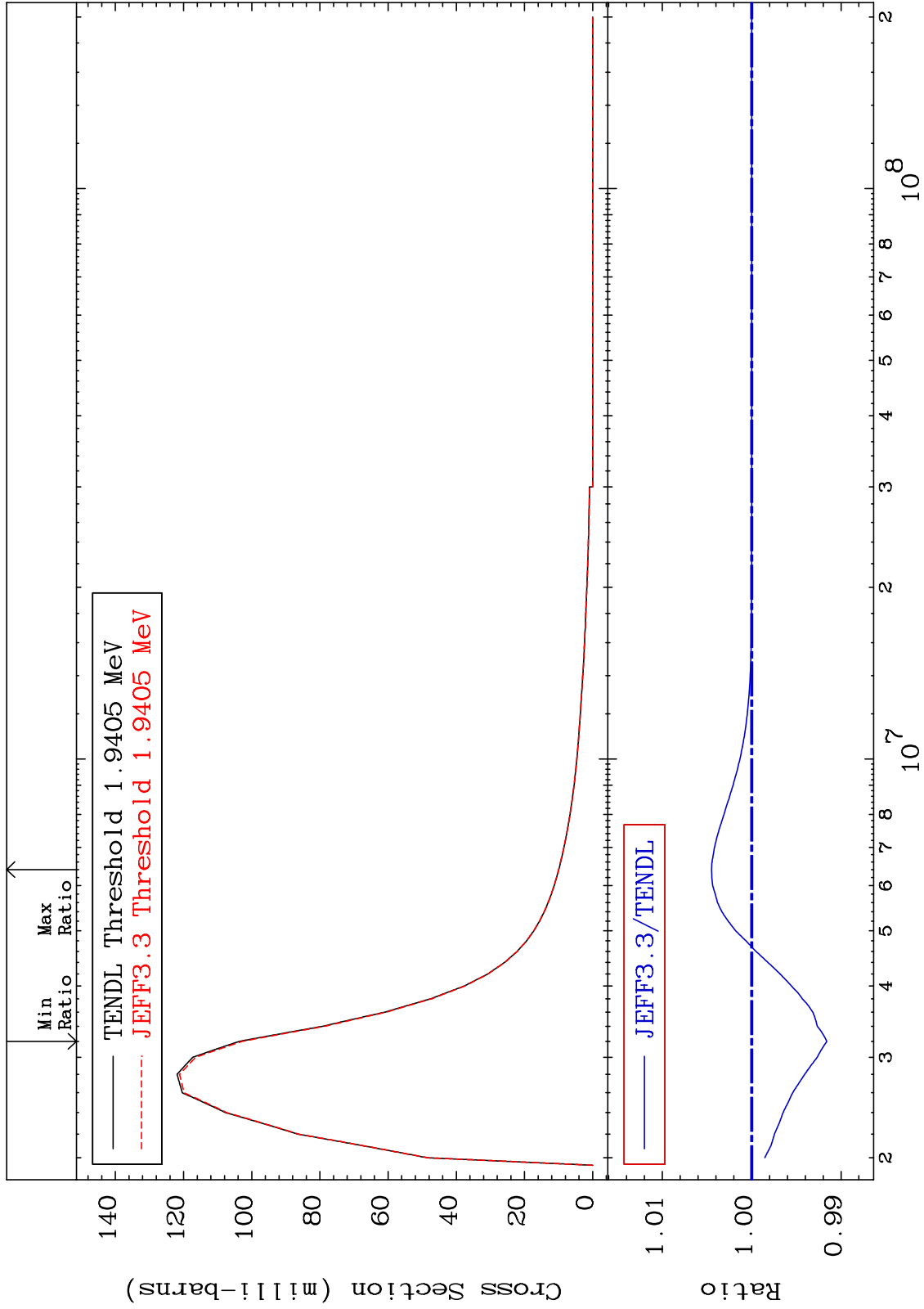
30-Zn-64
-0.908 To 0.999 %



MAT 3025

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

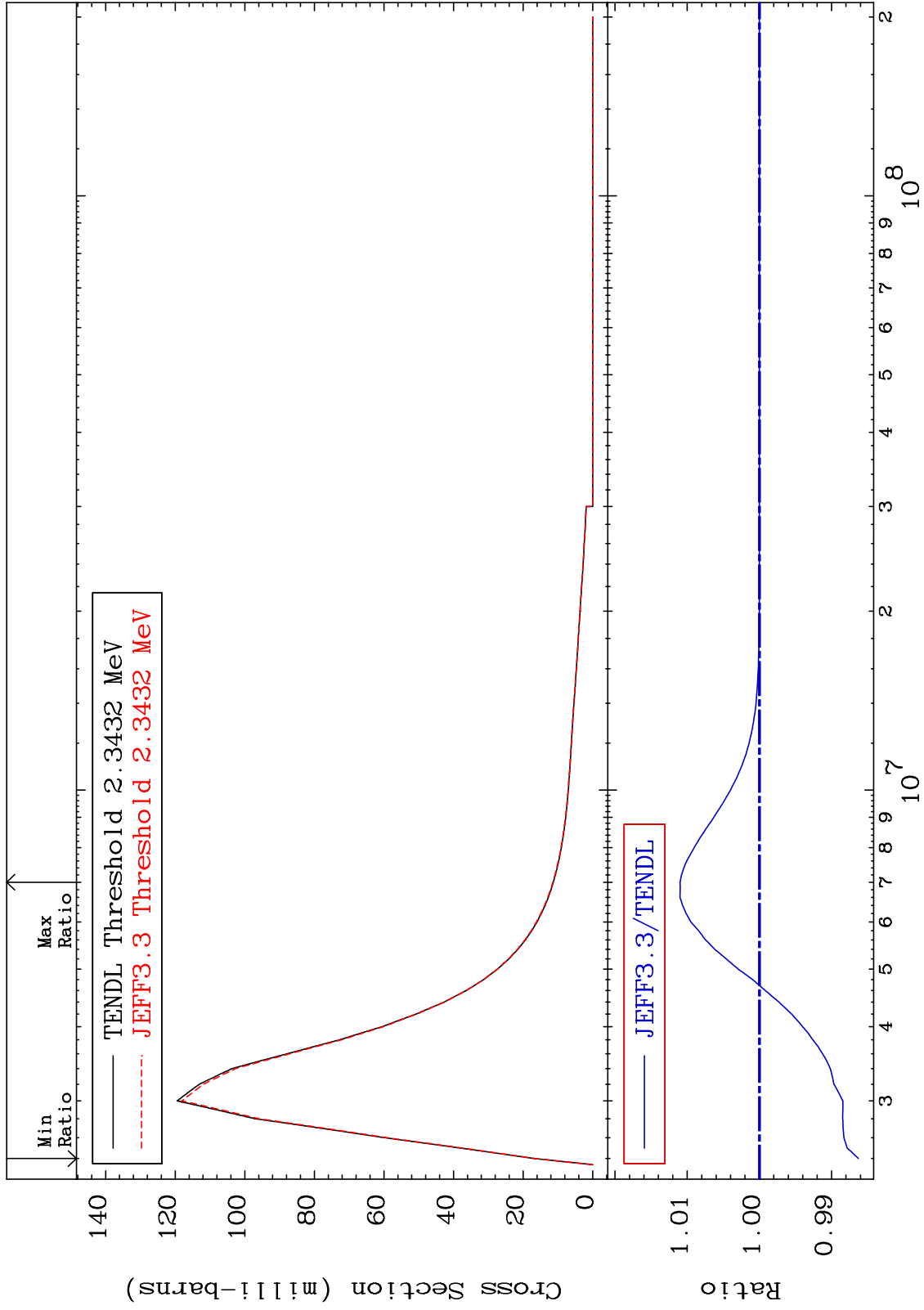
30-Zn-64
-0.841 To 0.448 %



MAT 3025

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

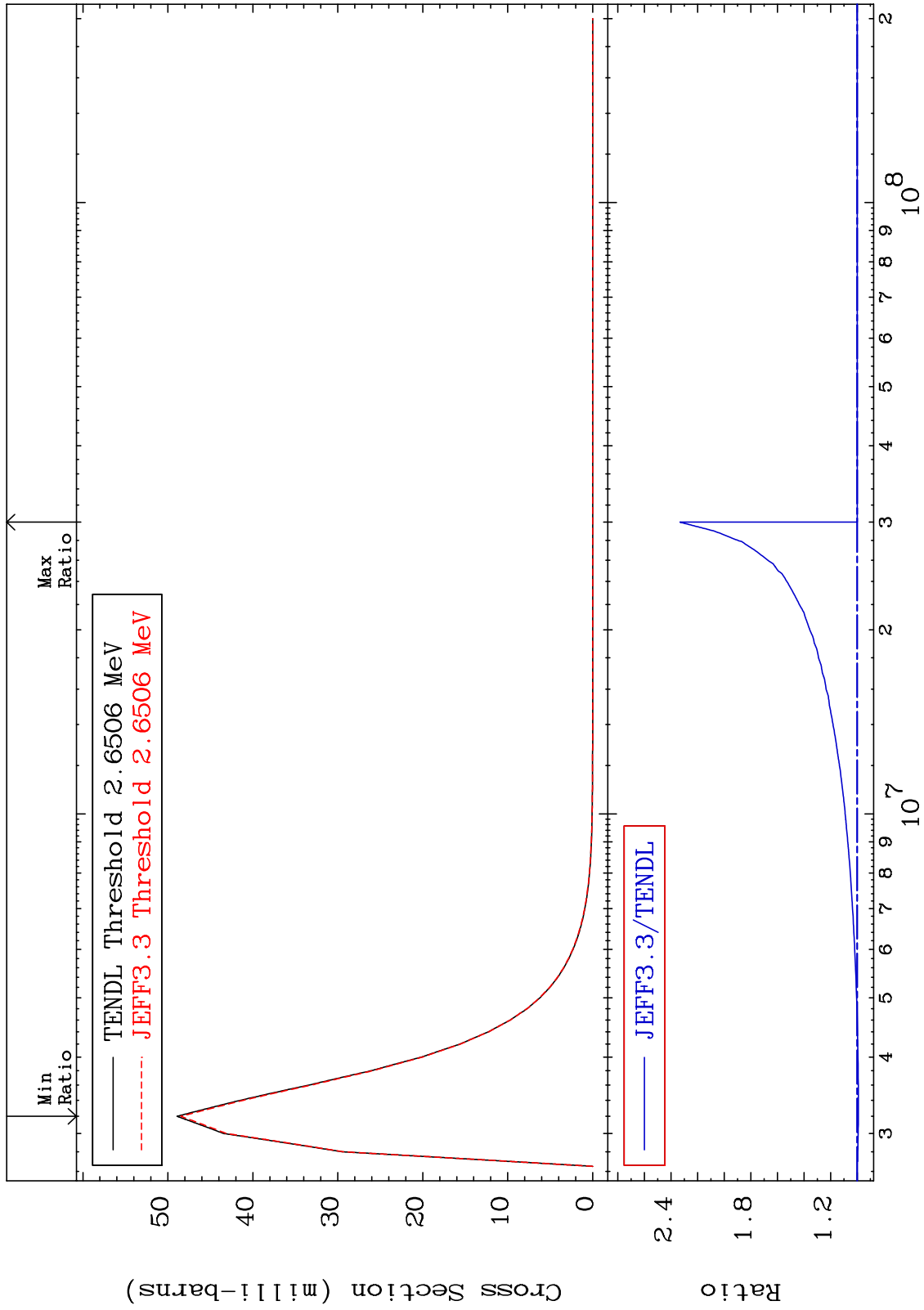
30-Zn-64
-1.372 To 1.100 %



MAT 3025

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

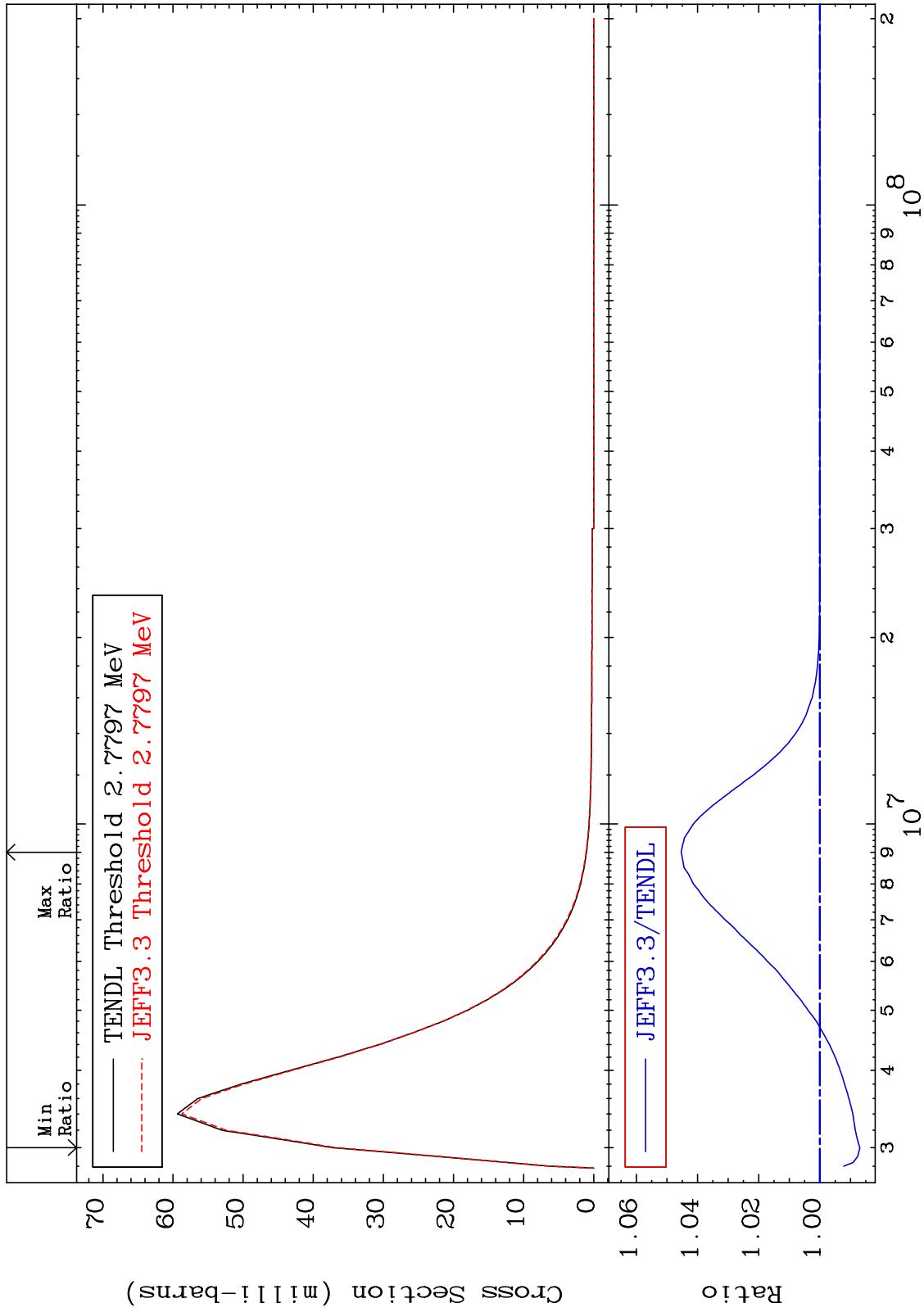
30-Zn-64
-0.933 To 133.3 %



MAT 3025

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

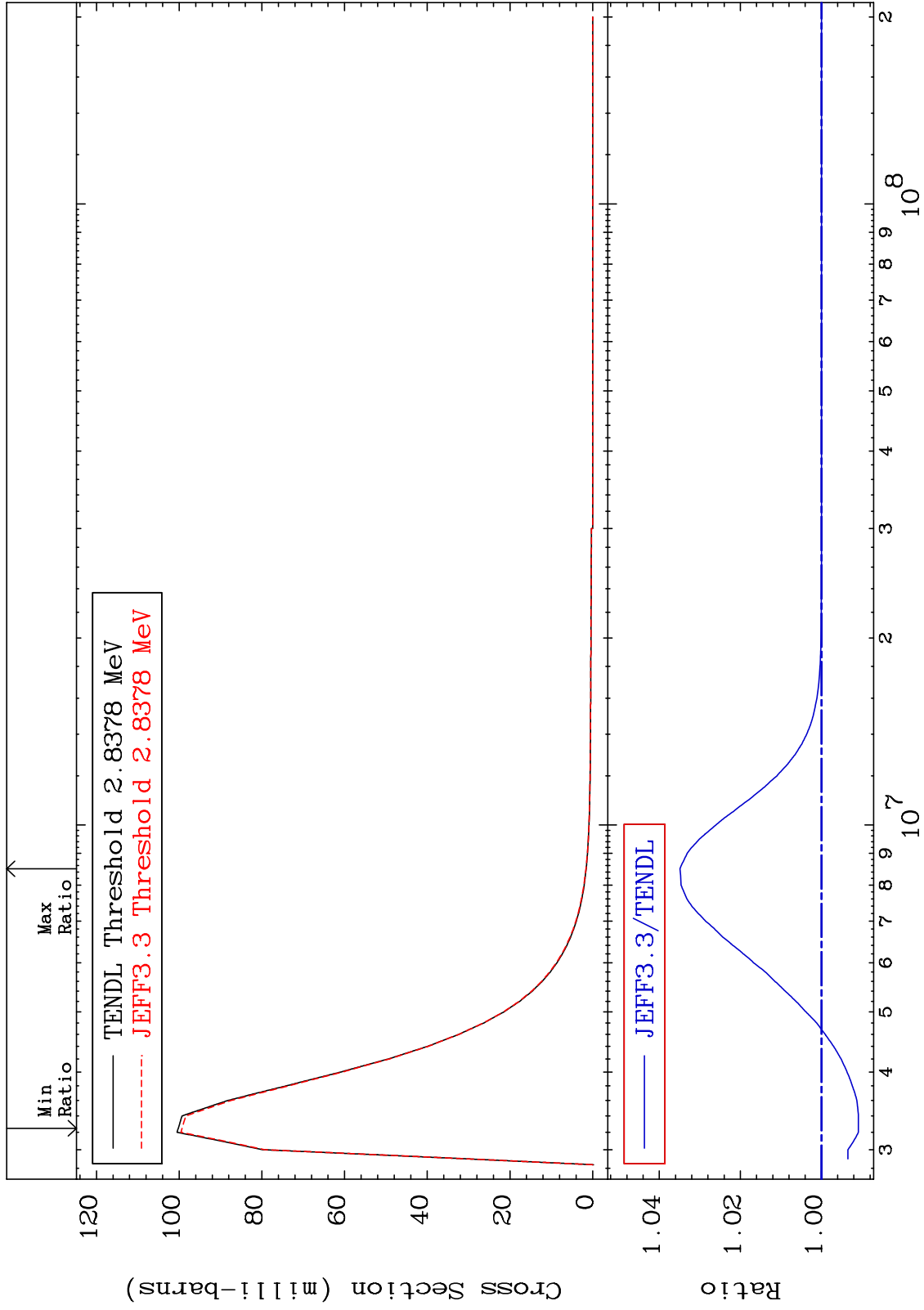
30-Zn-64
-1.309 To 4.531 %



MAT 3025

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

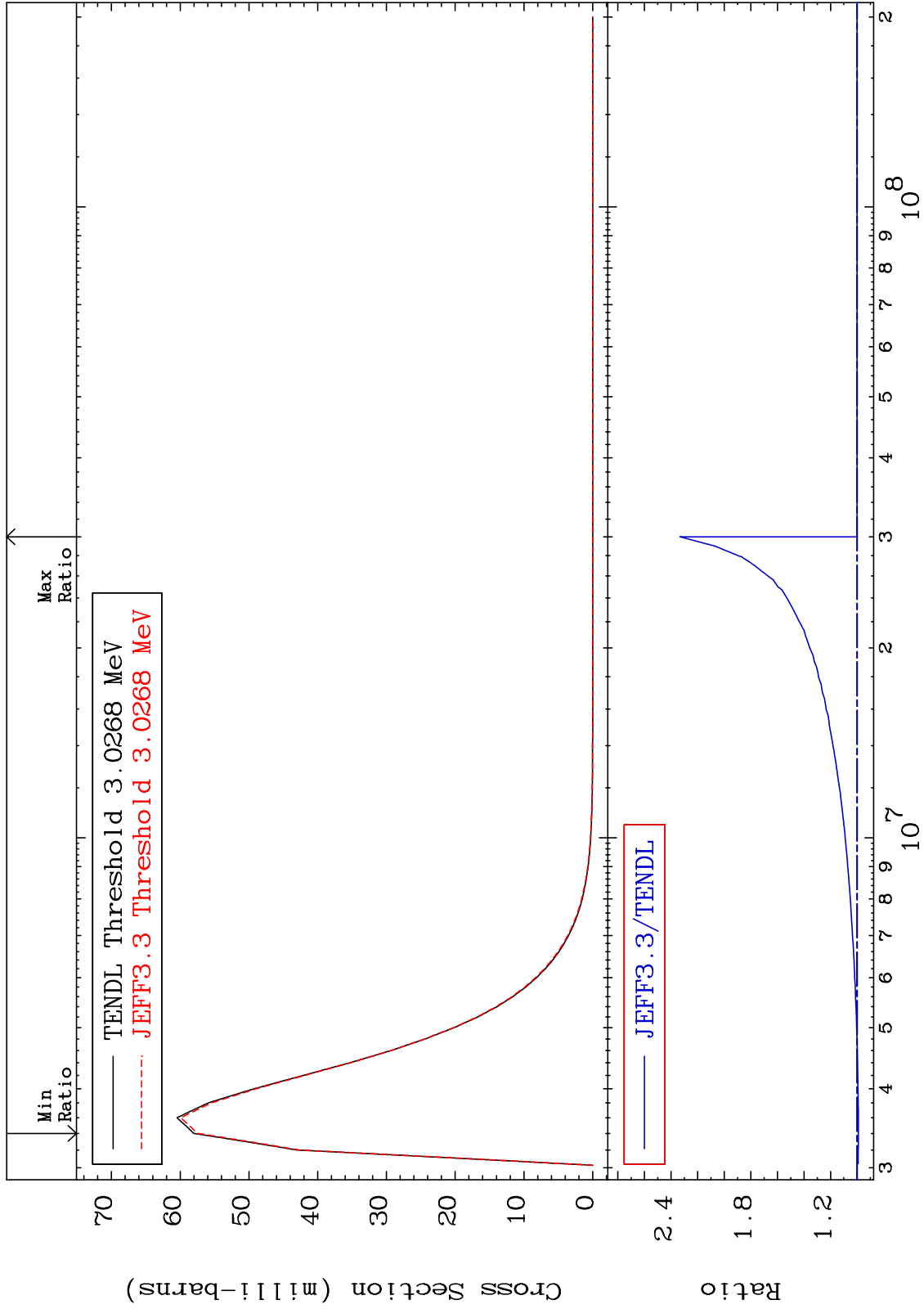
30-Zn-64
-0.912 To 3.489 %



MAT 3025

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

30-Zn-64
-0.947 To 133.2 %



27

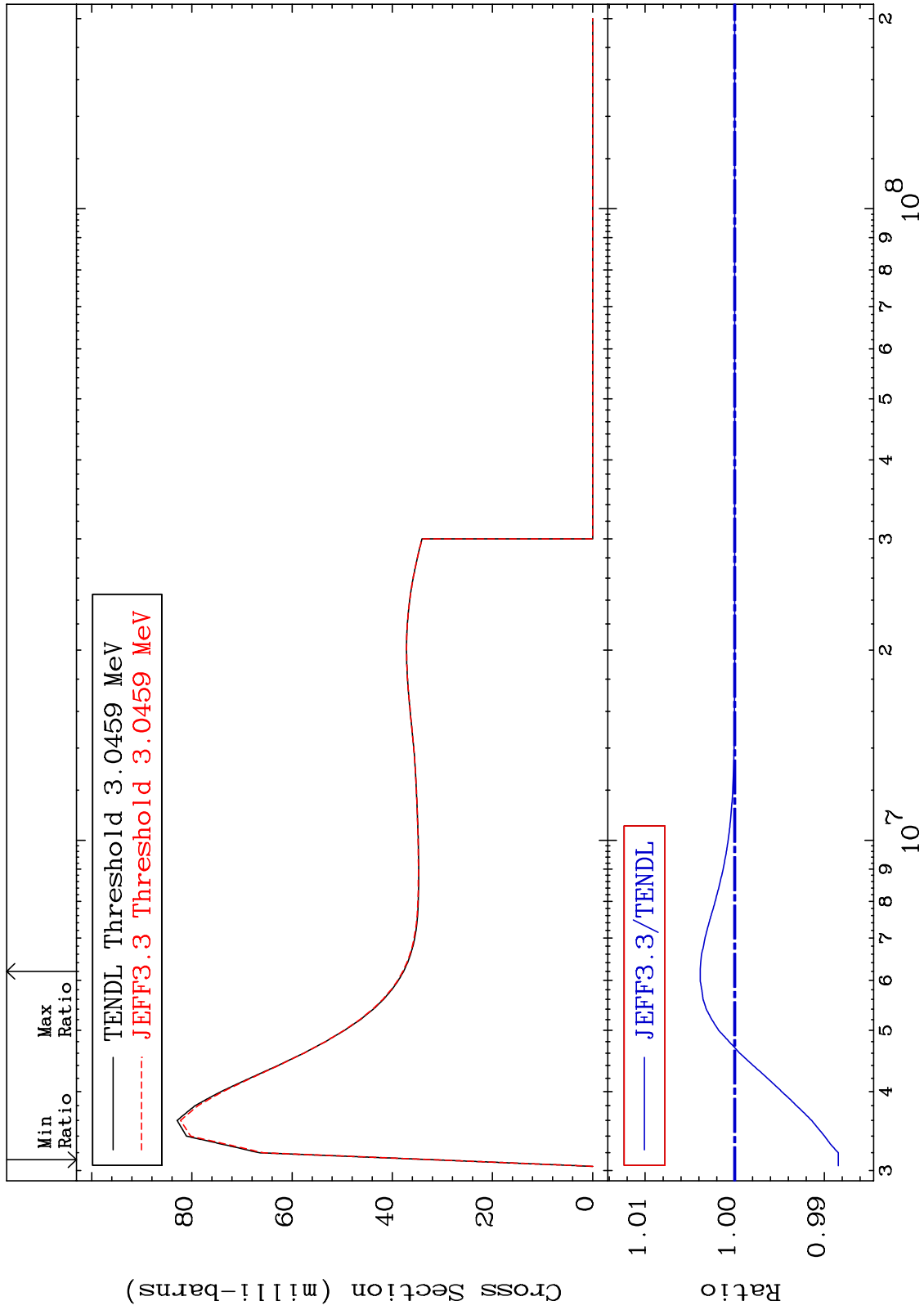
30-Zn-64

30-Zn-64

MAT 3025

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

30-Zn-64
-1.157 To 0.386 %



28

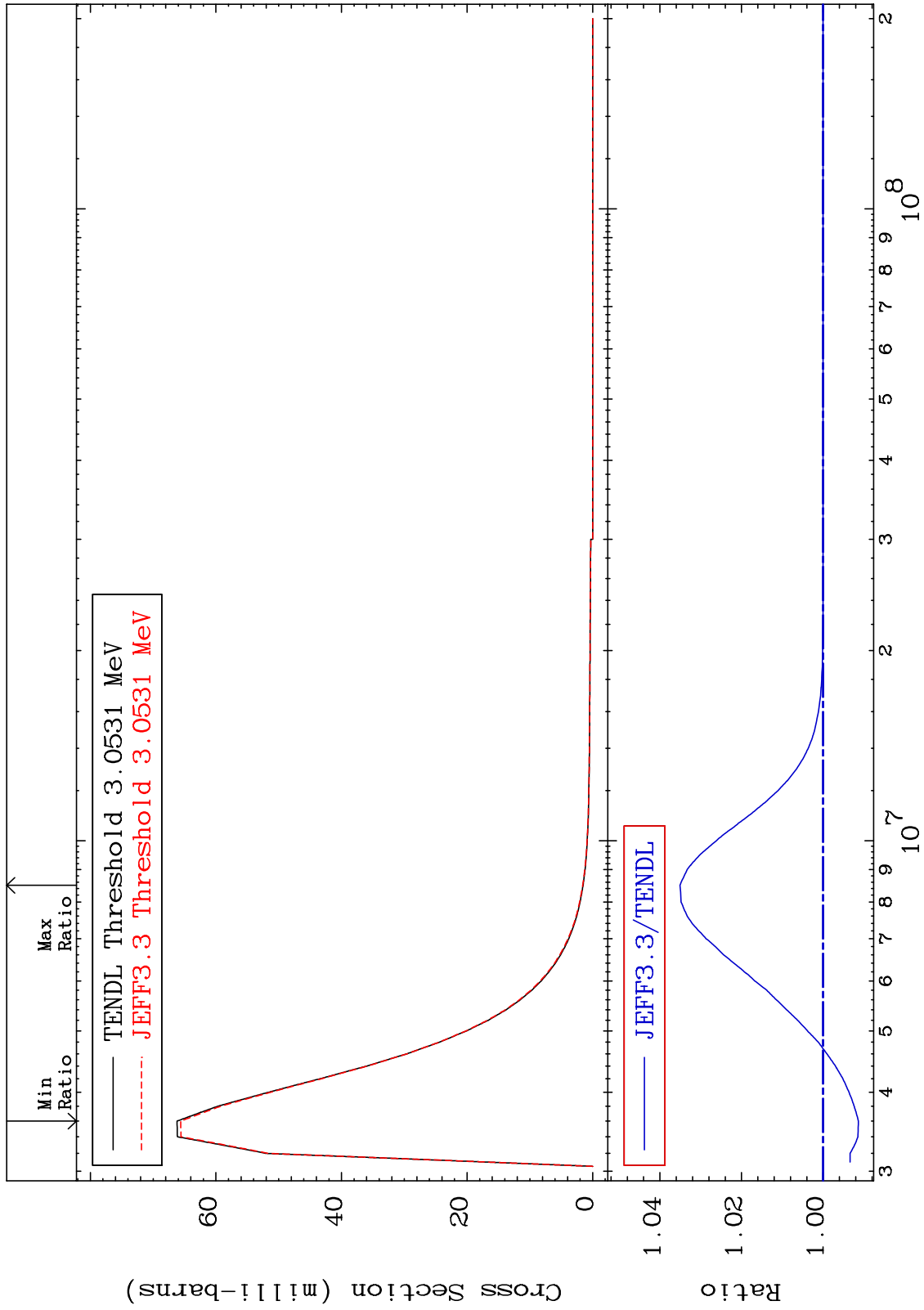
Incident Energy (eV)

30-Zn-64

MAT 3025

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

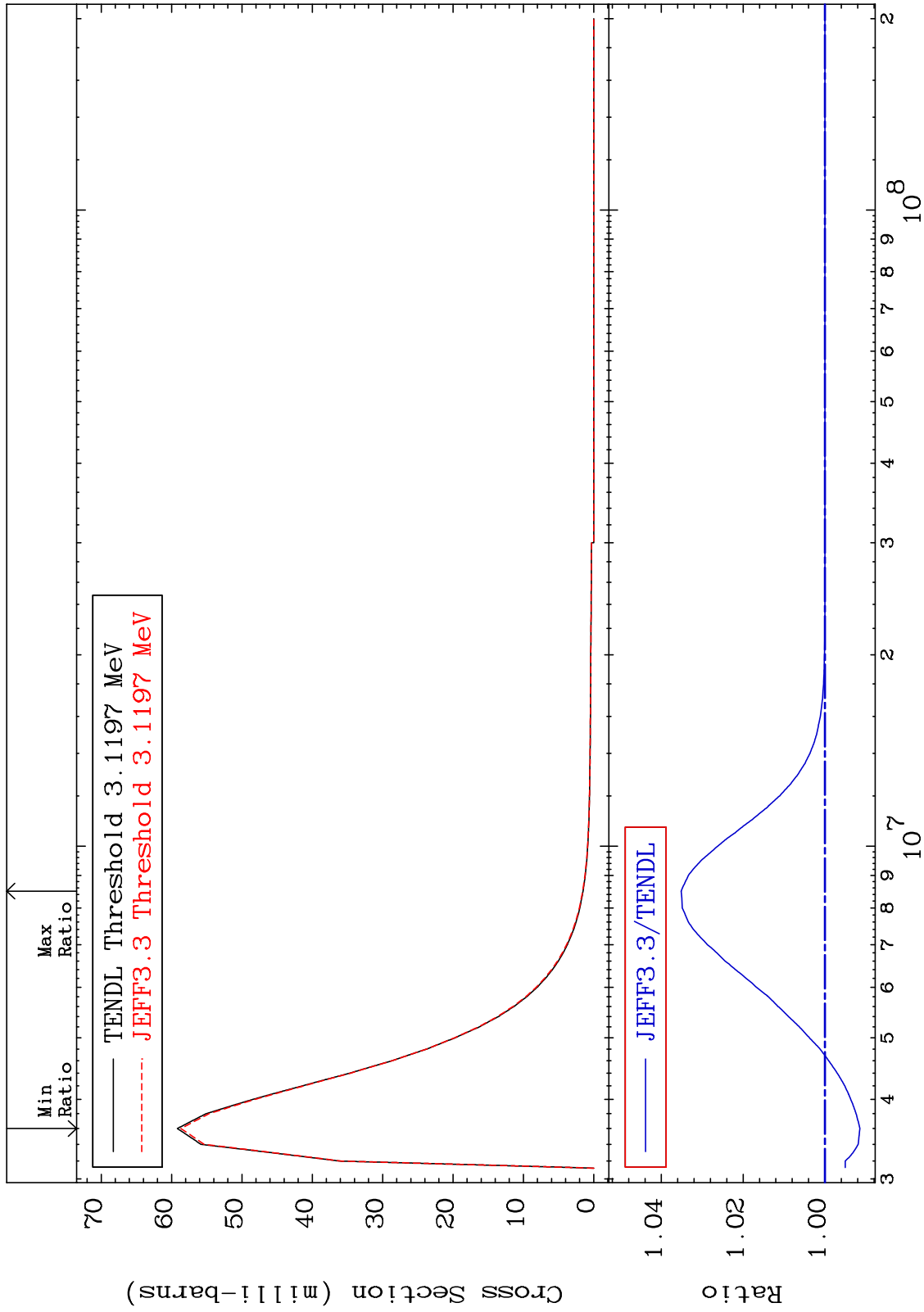
30-Zn-64
-0.866 To 3.508 %



MAT 3025

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

30-Zn-64
-0.856 To 3.515 %



30

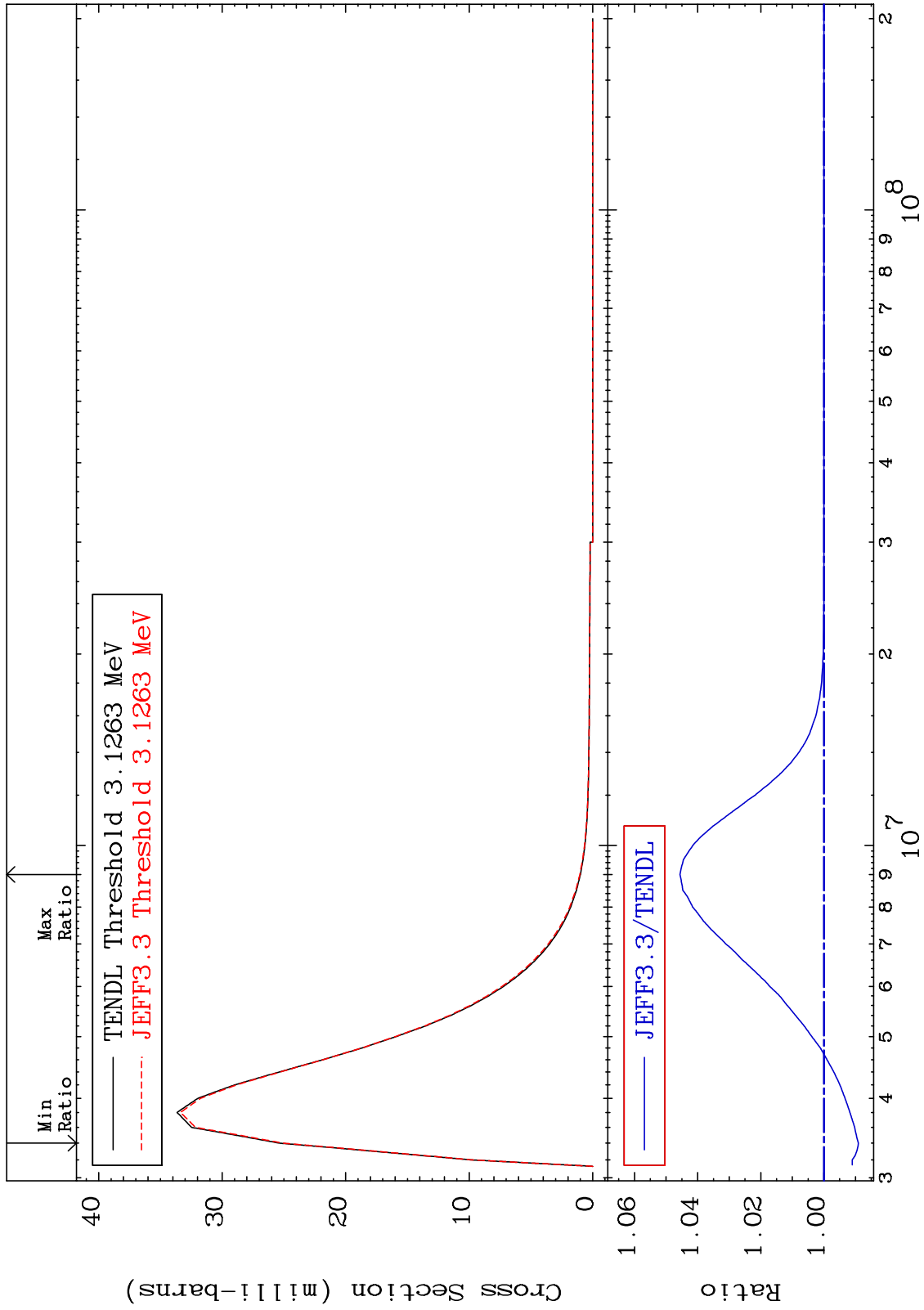
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-1.092 To 4.558 %



31

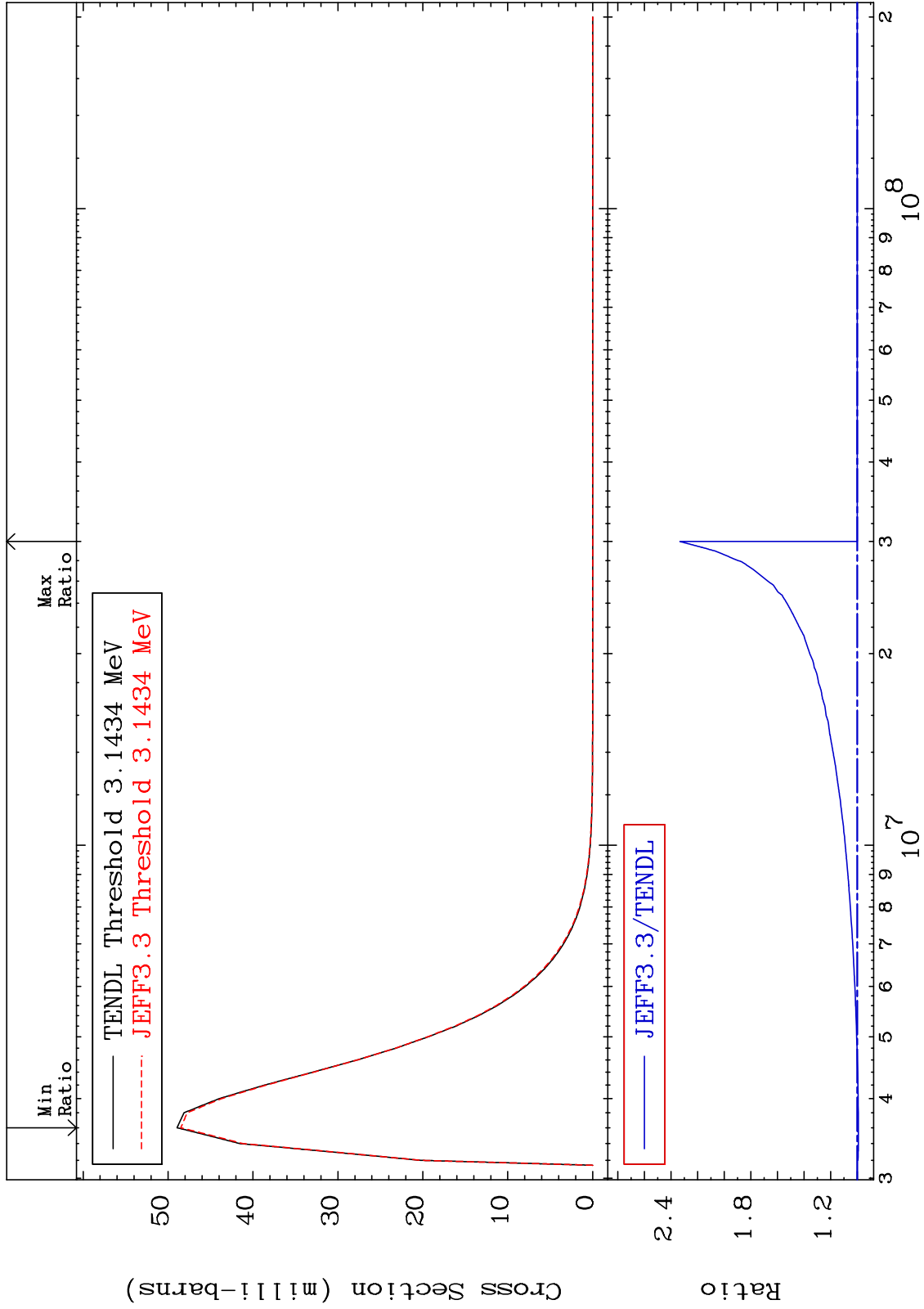
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-0.894 To 133.2 %



32

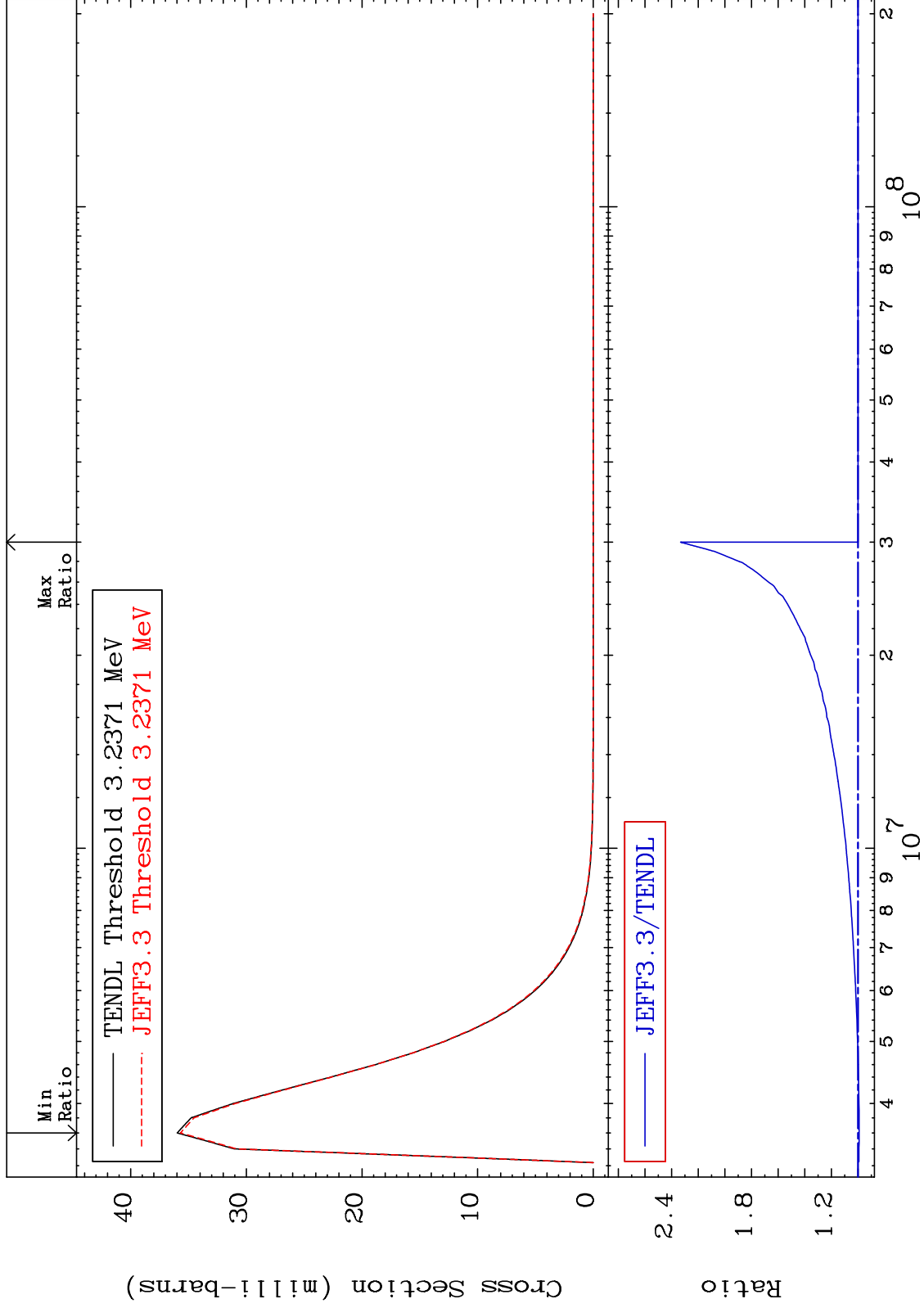
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-0.798 To 133.3 %



33

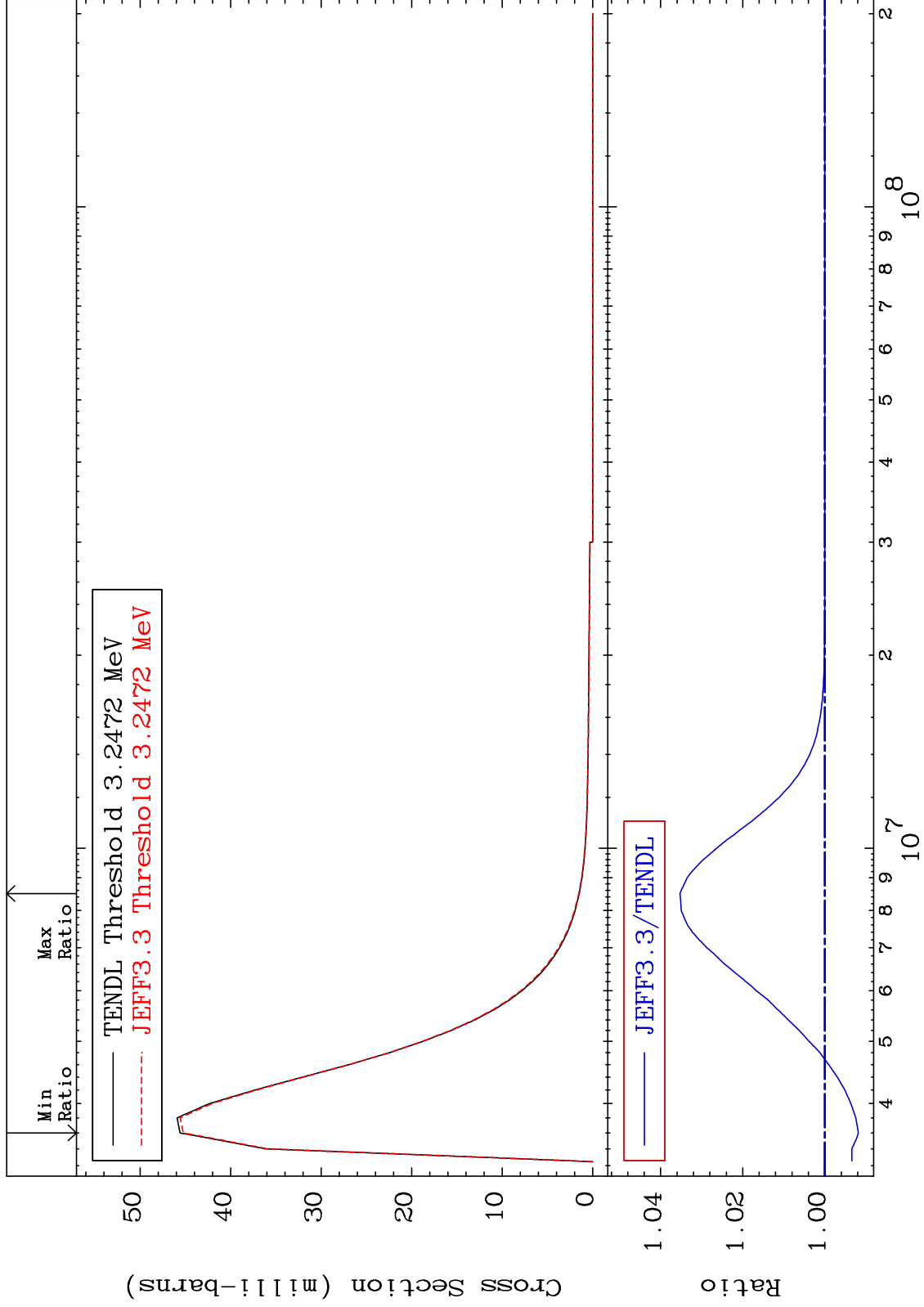
Incident Energy (eV)

30-Zn-64

MAT 3025

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

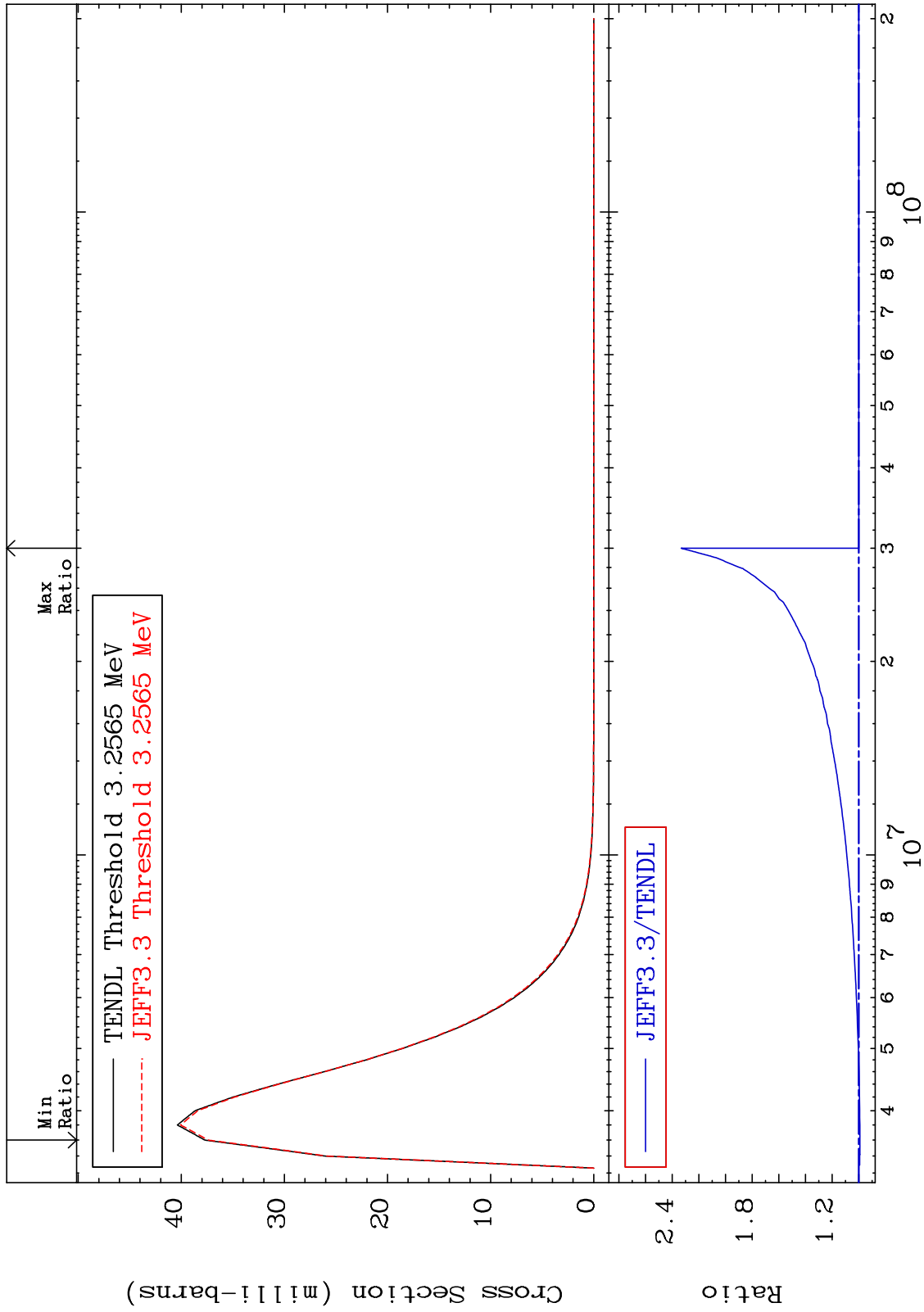
30-Zn-64
-0.818 To 3.527 %



MAT 3025

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

30-Zn-64
-0.866 To 133.3 %



35

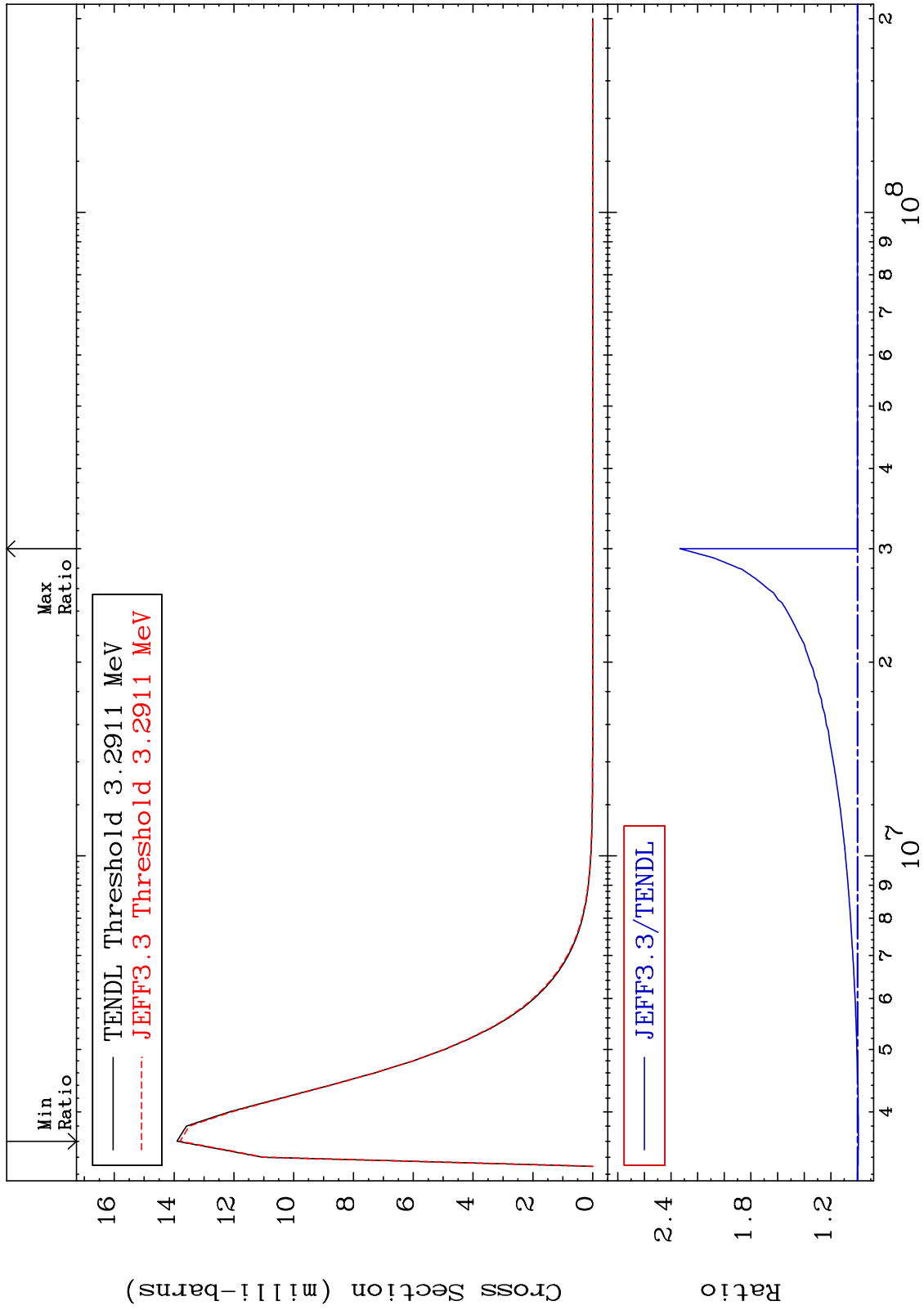
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-0.727 To 133.3 %



36

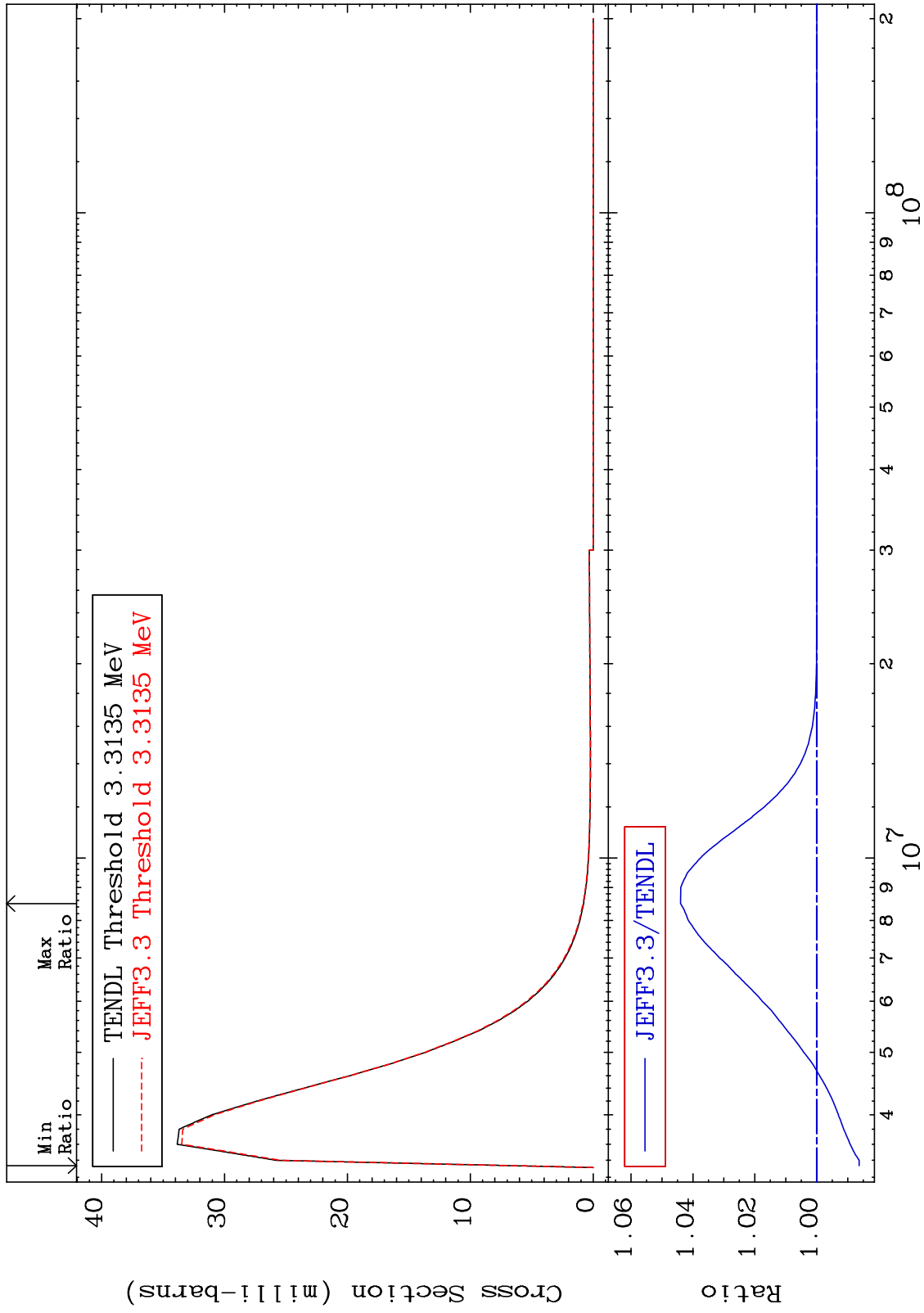
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-1.369 To 4.397 %



37

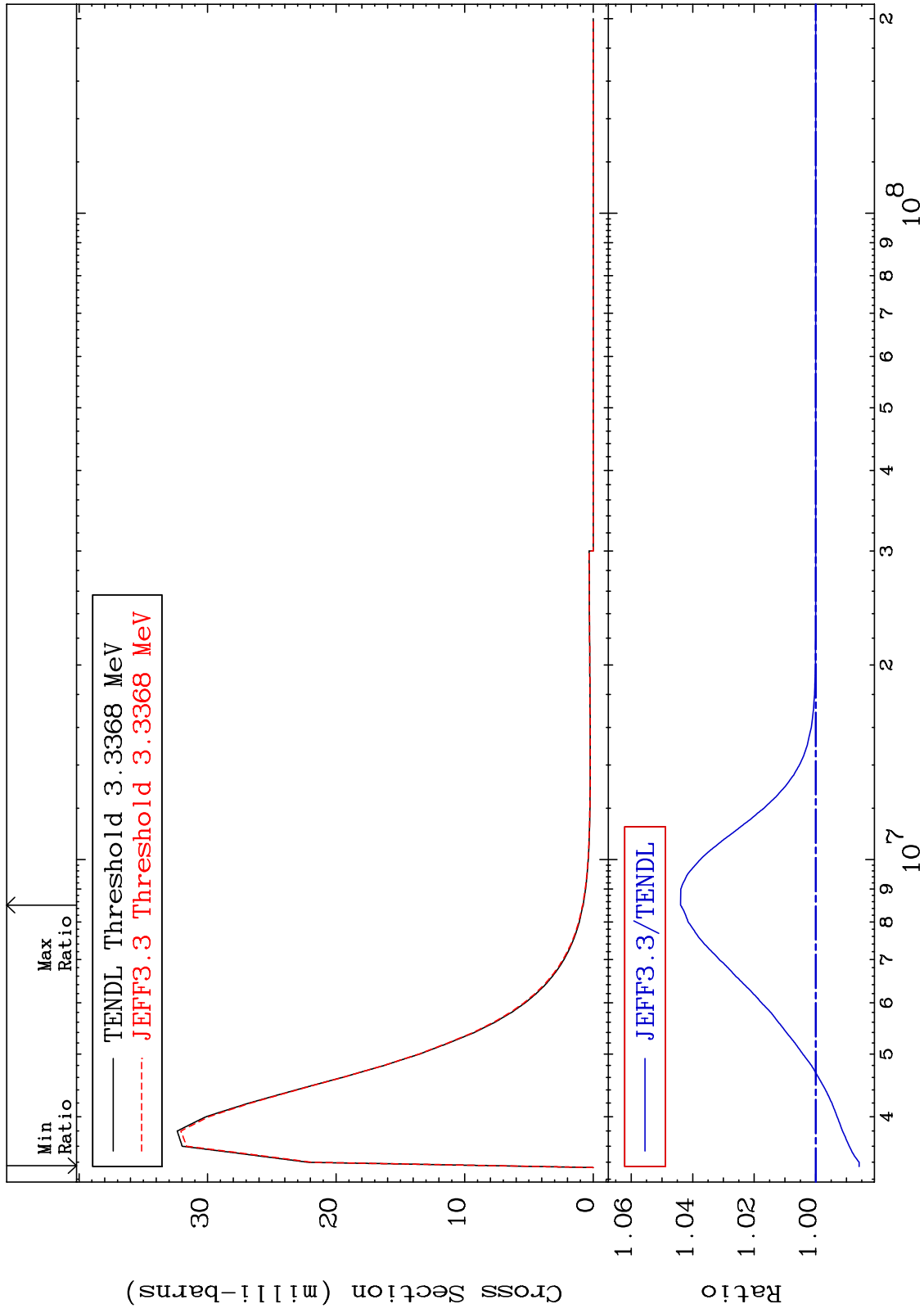
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-1.413 To 4.392 %



38

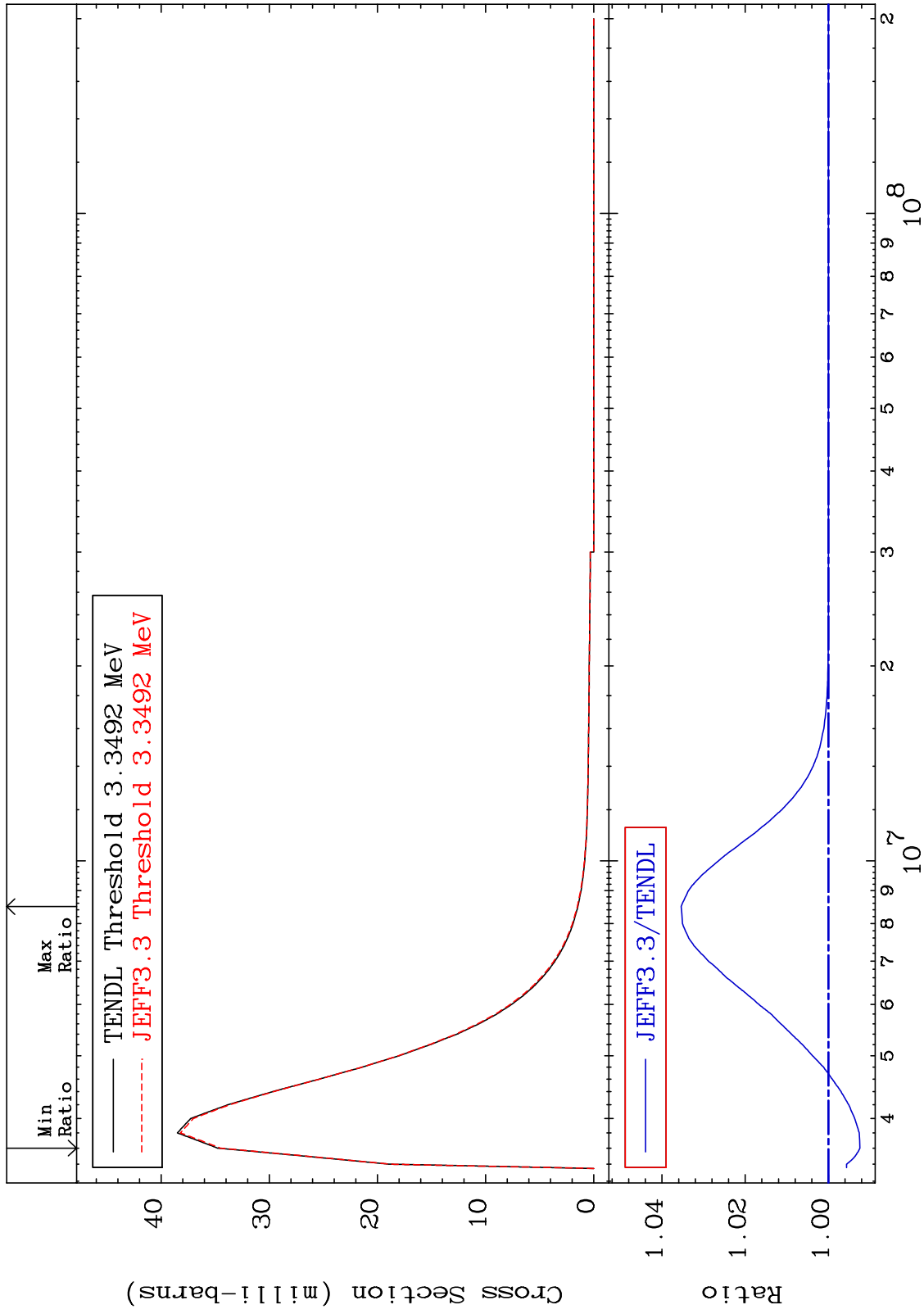
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-0.757 To 3.539 %



39

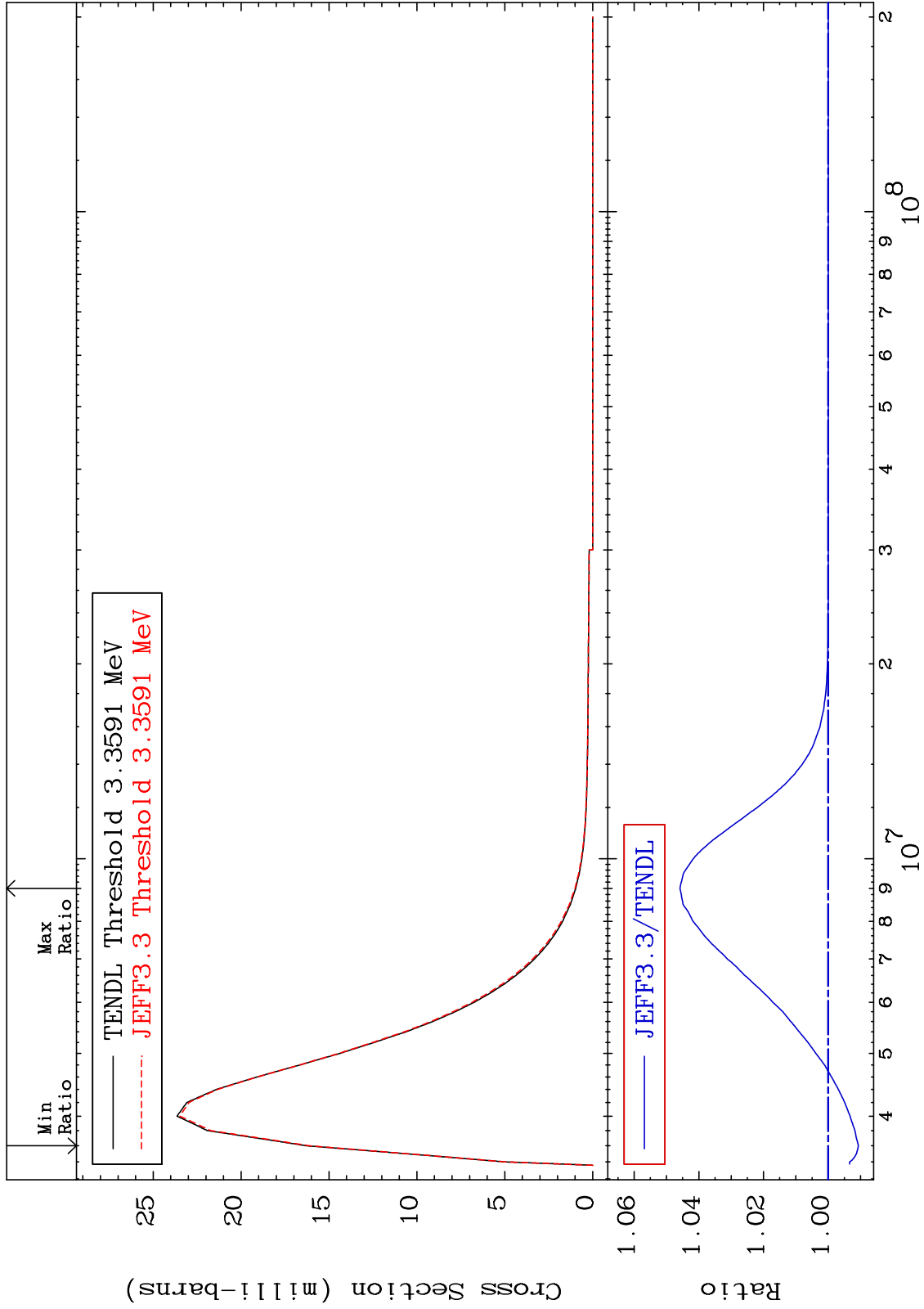
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-0.934 To 4.582 %



40

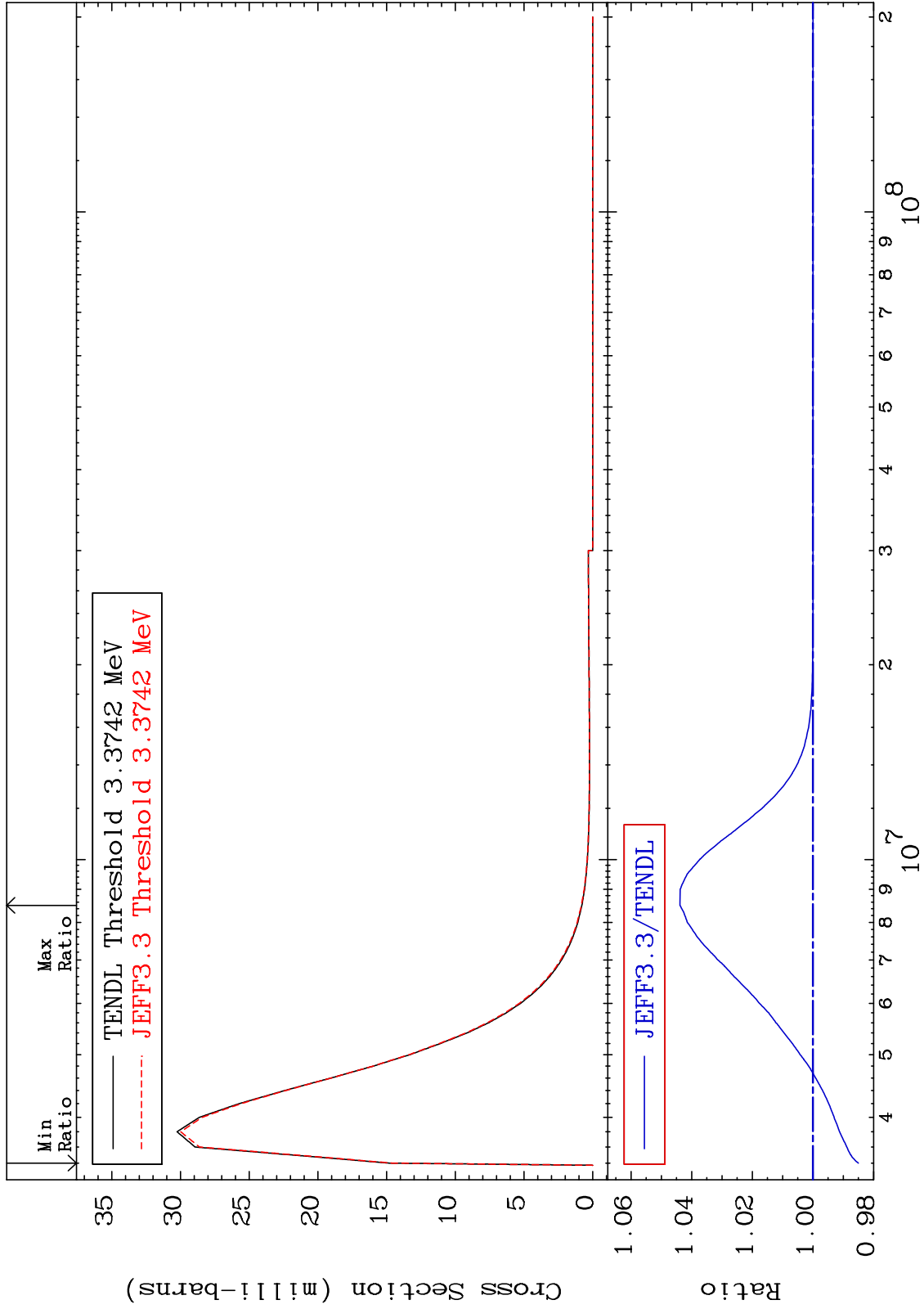
Incident Energy (eV)

30-Zn-64

MAT 3025

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

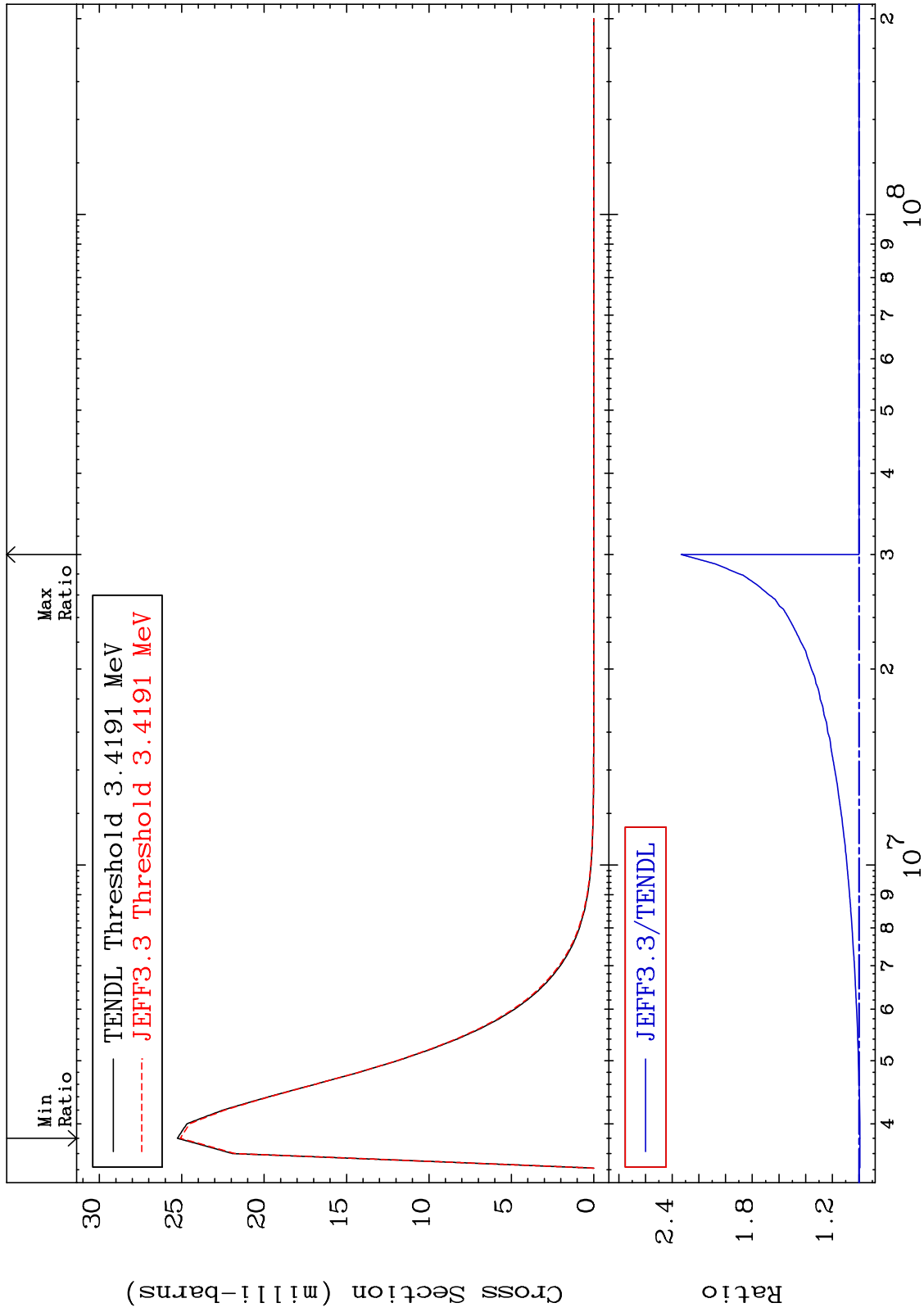
30-Zn-64
-1.500 To 4.384 %



MAT 3025

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

30-Zn-64
-0.710 To 133.3 %



42

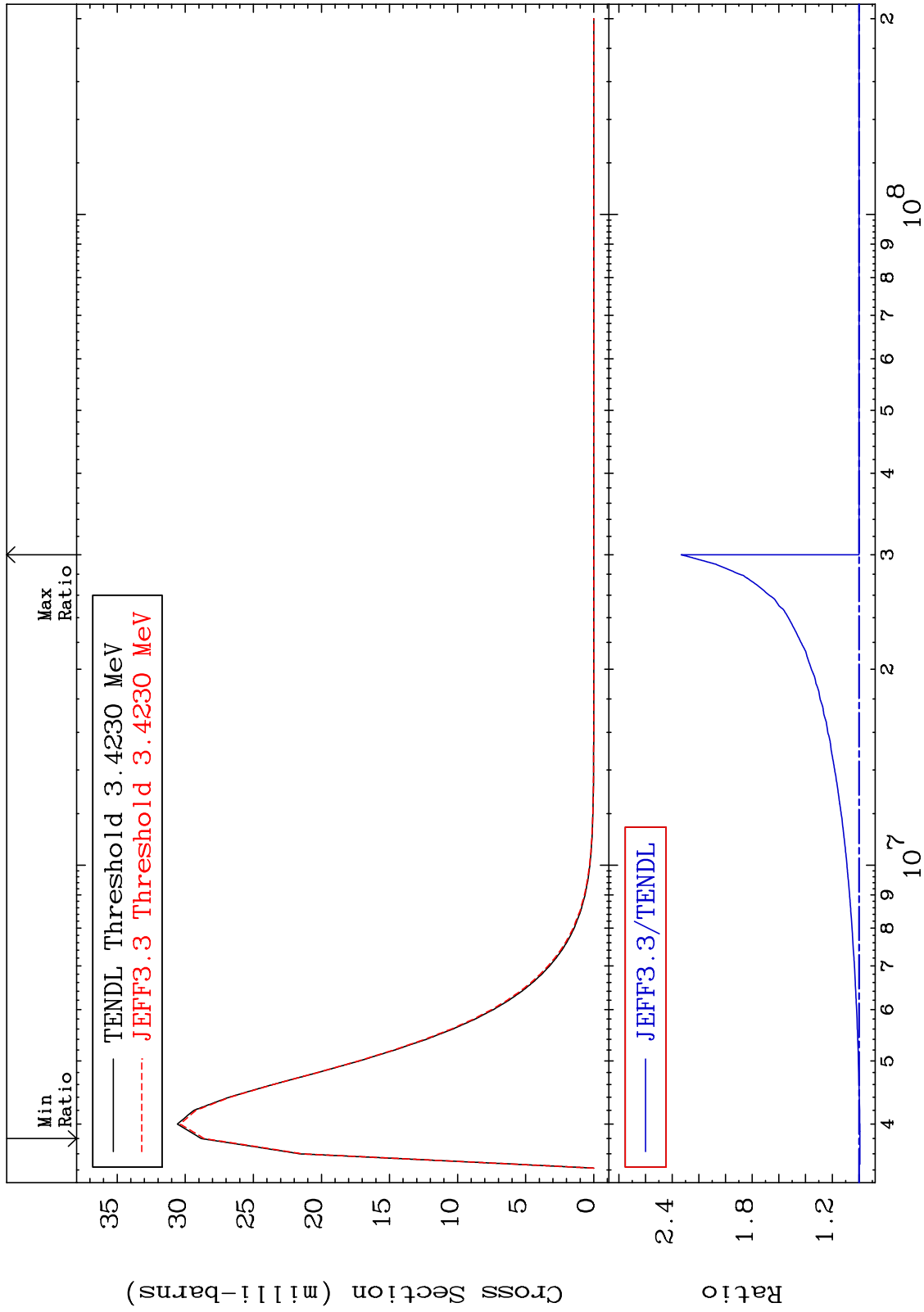
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-0.757 To 133.2 %



43

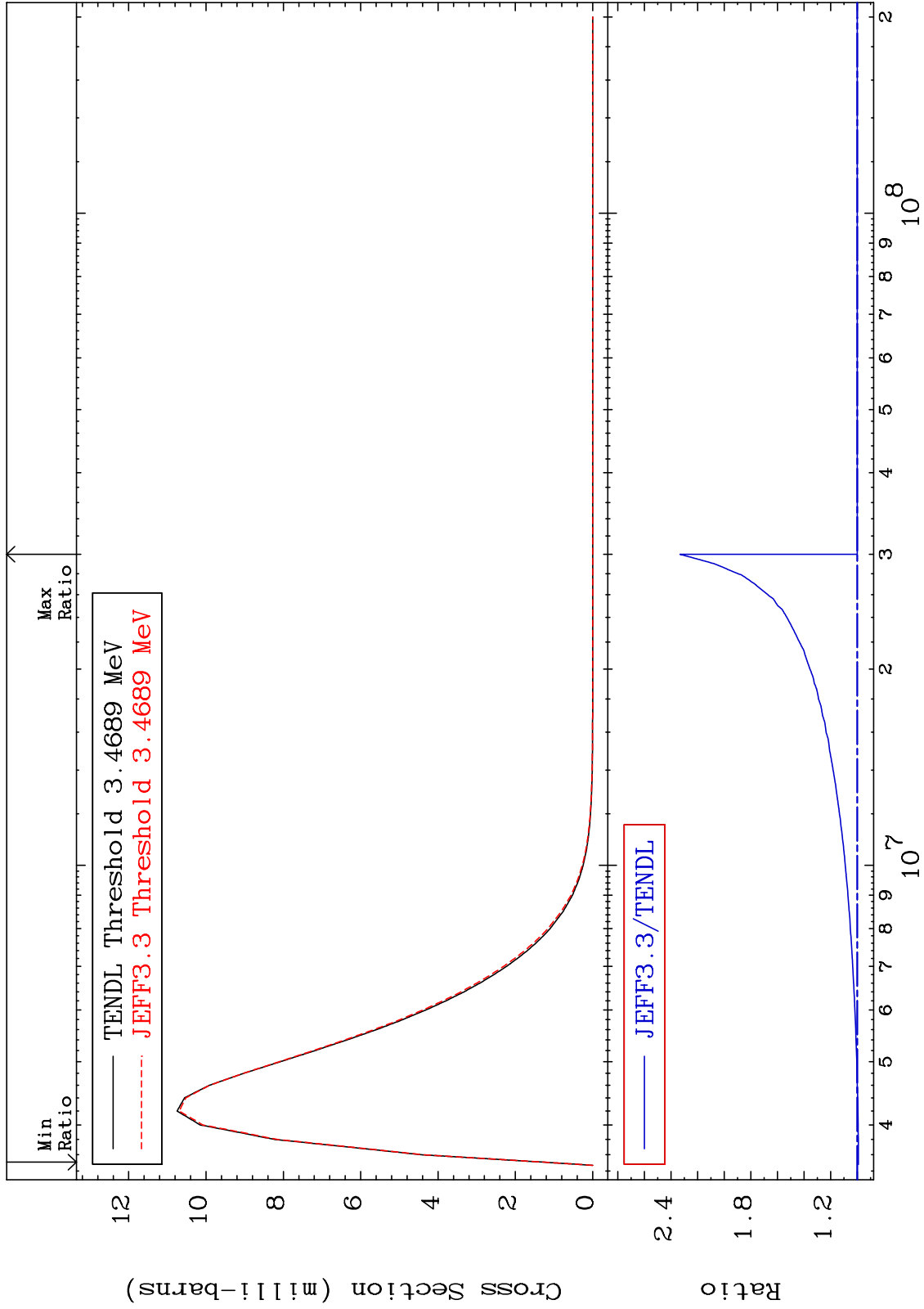
Incident Energy (eV)

30-Zn-64

MAT 3025

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

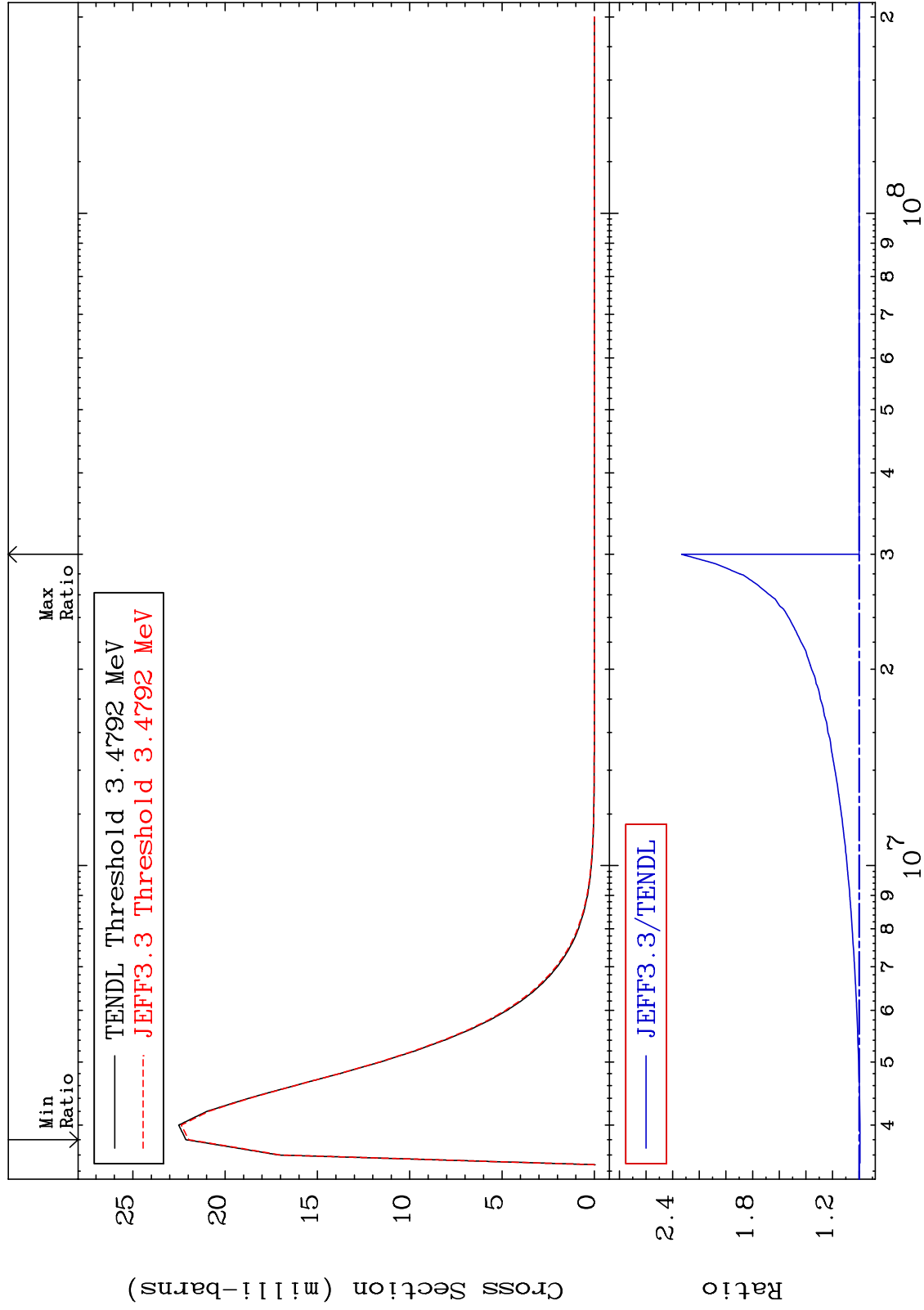
30-Zn-64
-0.882 To 133.2 %



MAT 3025

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

30-Zn-64
-0.690 To 133.3 %



45

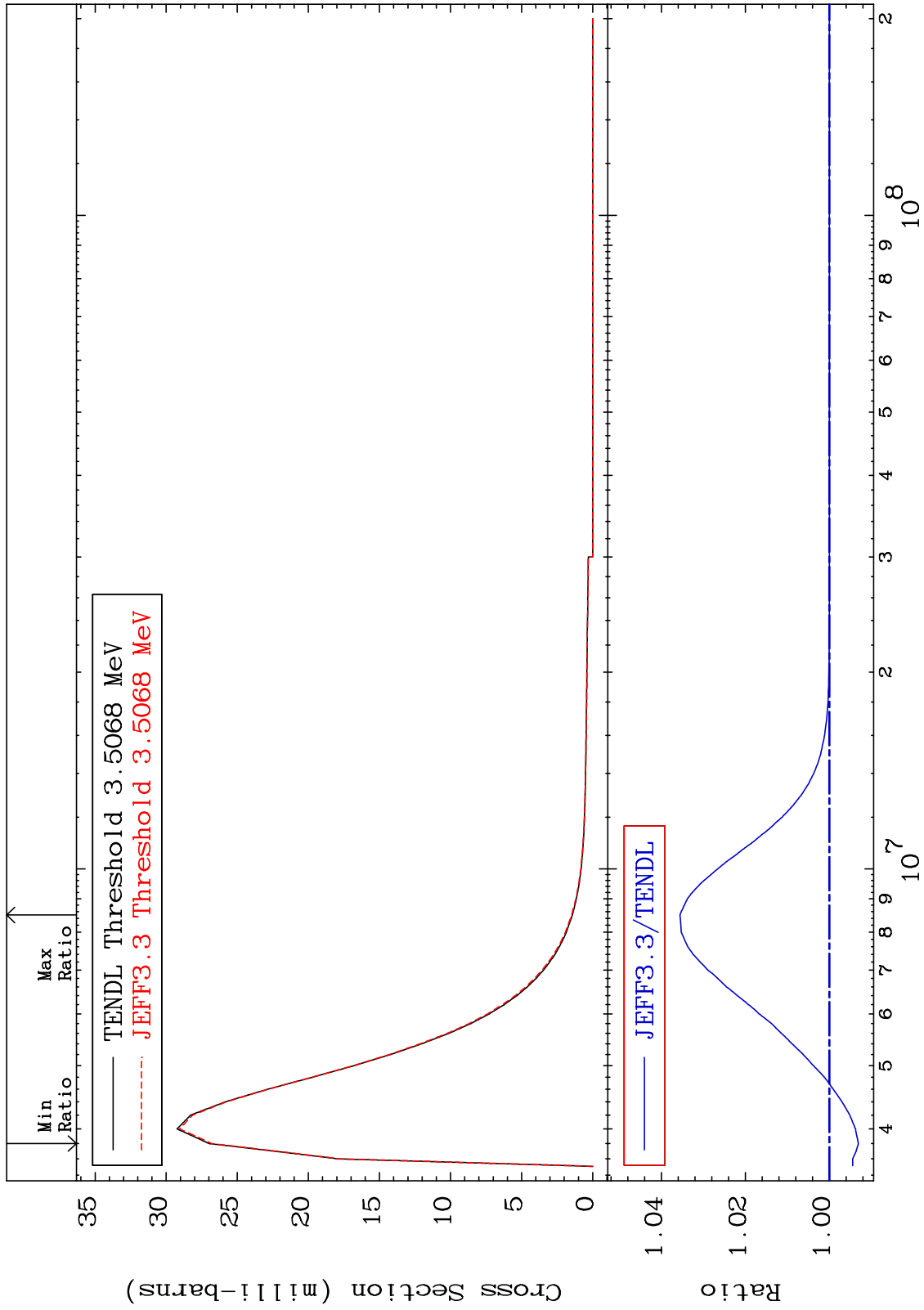
Incident Energy (eV)

30-Zn-64

MAT 3025

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

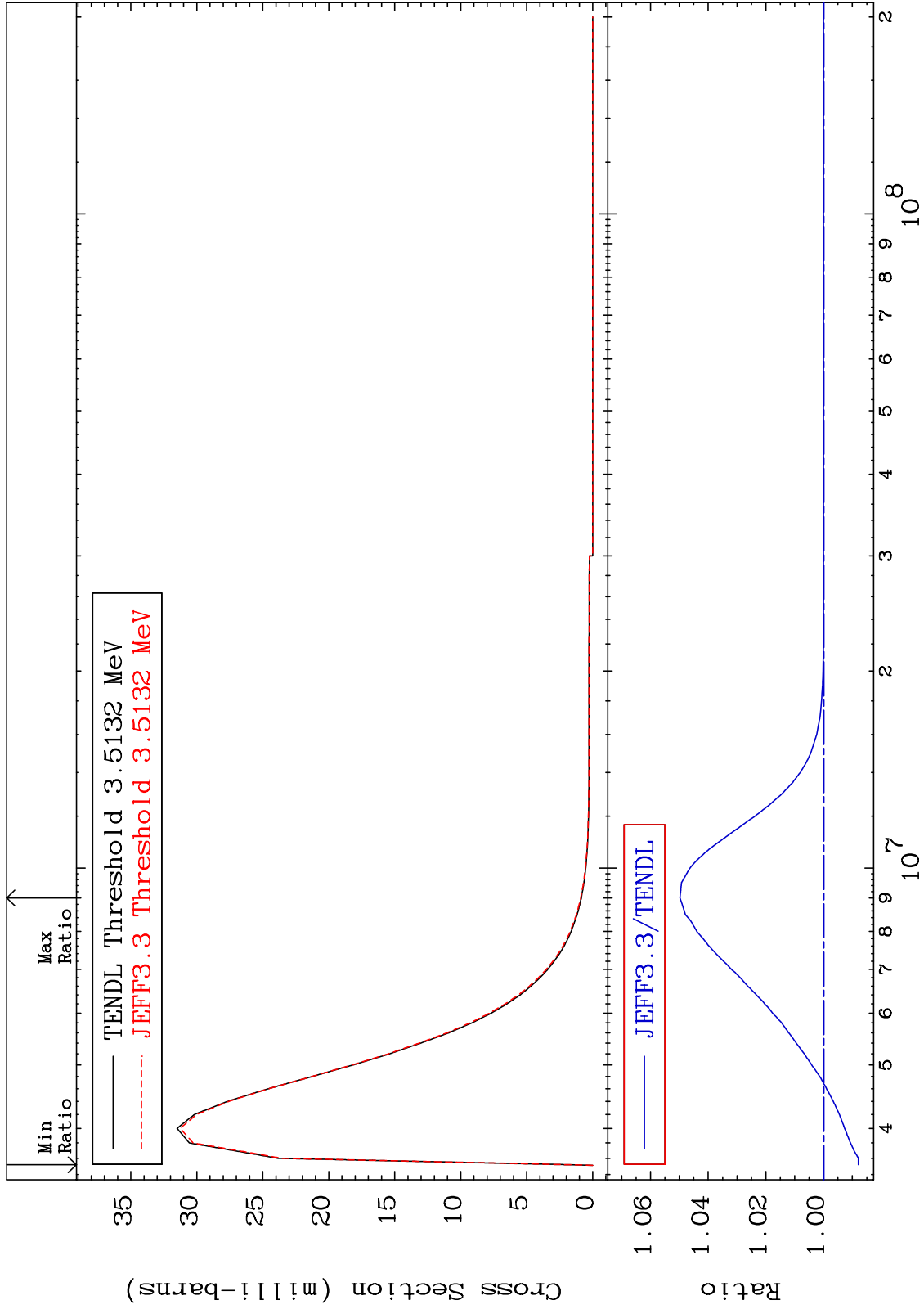
30-Zn-64
-0.692 To 3.558 %



MAT 3025

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

30-Zn-64
-1.210 To 4.977 %



47

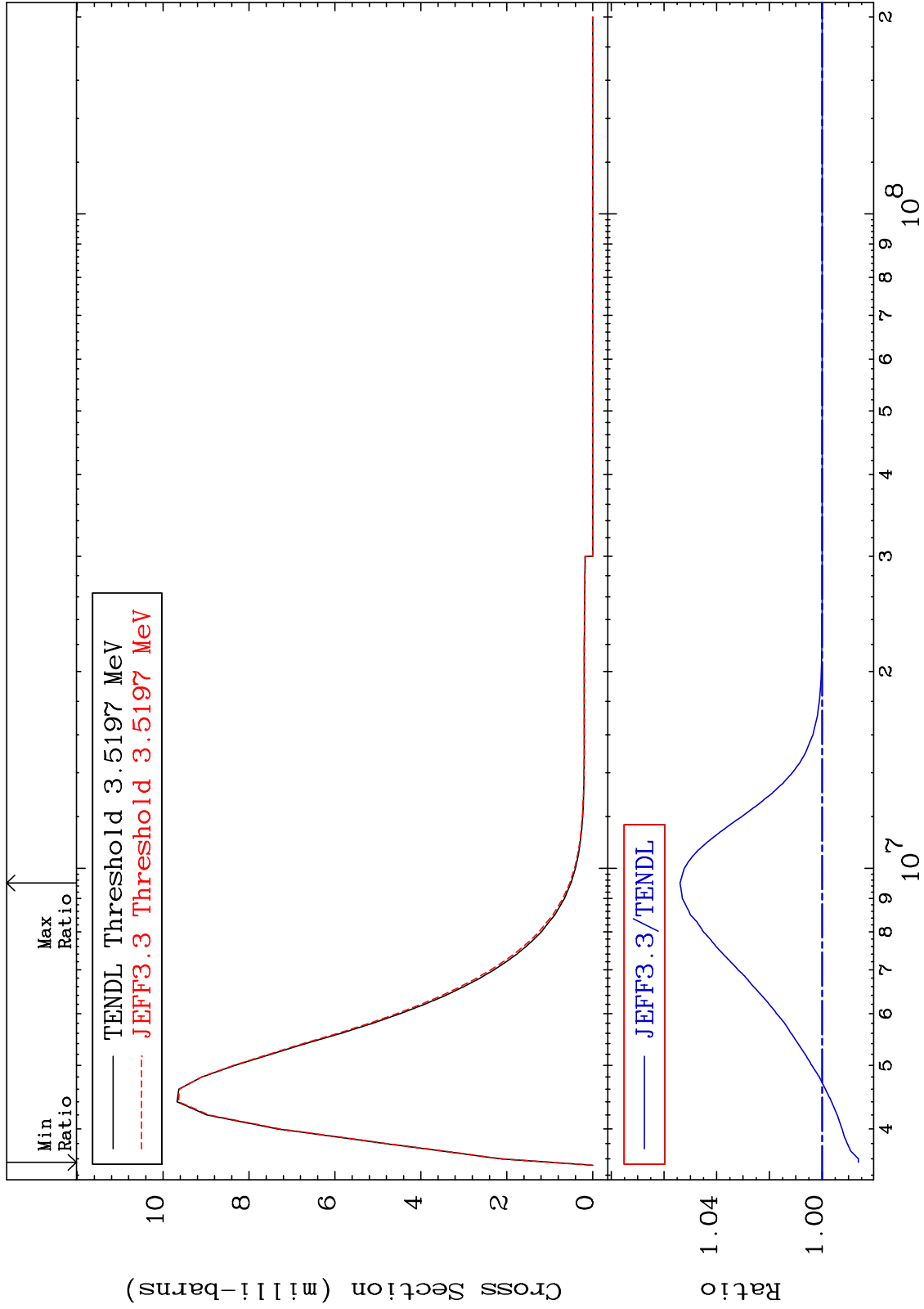
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-1.377 To 5.392 %



48

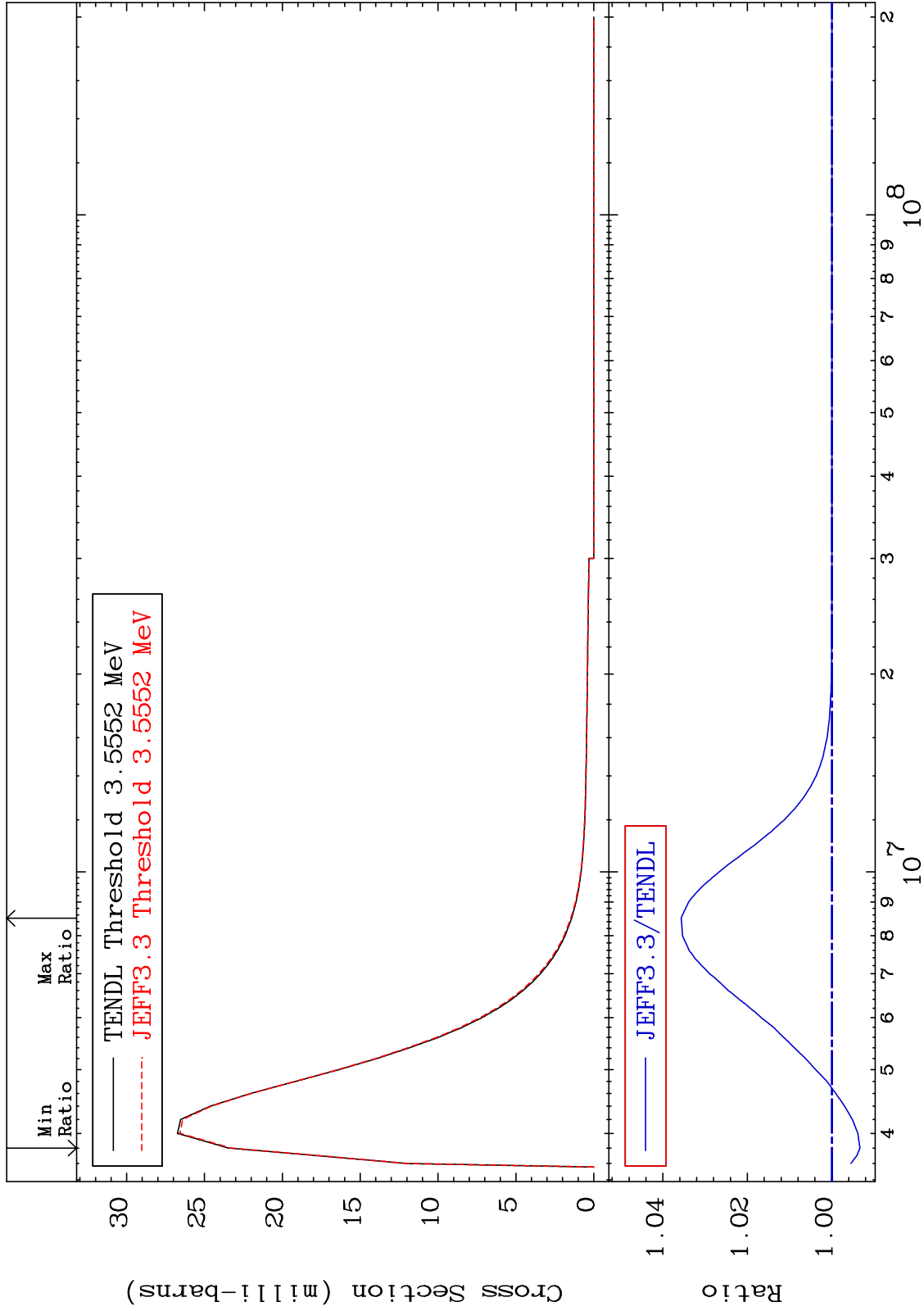
Incident Energy (eV)

30-Zn-64

MAT 3025

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

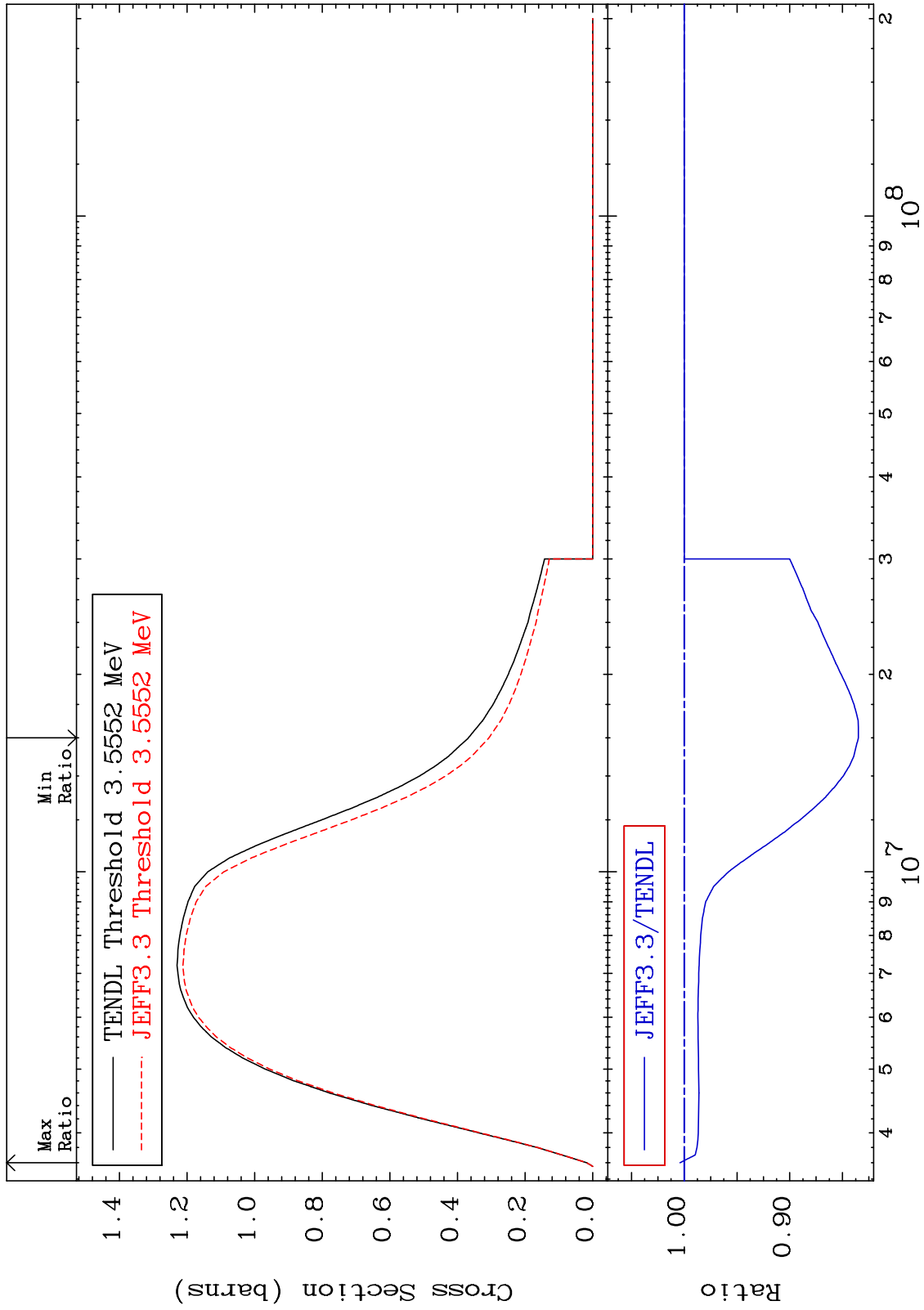
30-Zn-64
-0.665 To 3.565 %



MAT 3025

(n, n') Continuum
Cross Section

30-Zn-64
-16.51 To 0.401 %



50

Incident Energy (eV)

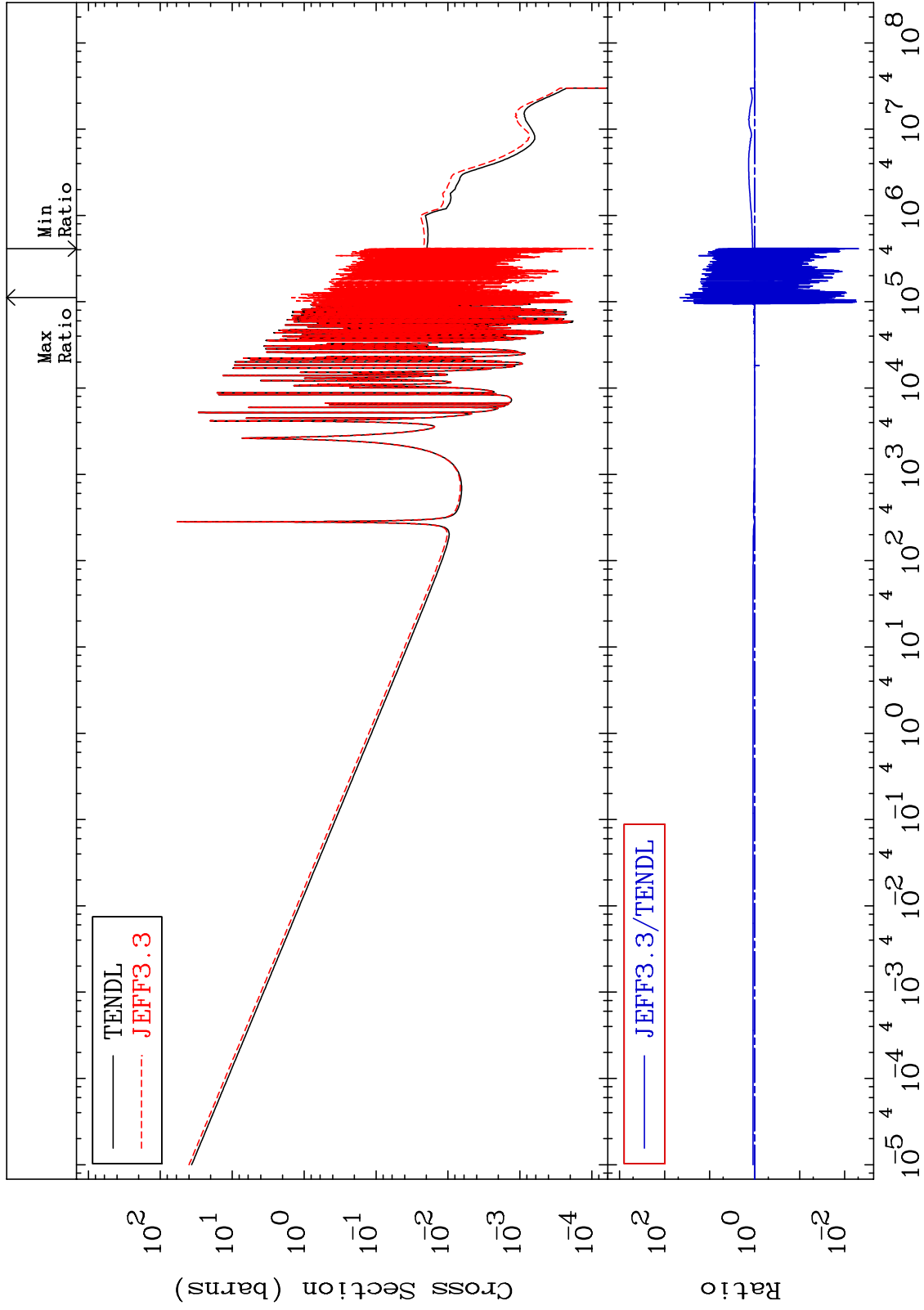
30-Zn-64

MAT 3025

(n, γ)
Cross Section

30-Zn-64

-99.51 To 4447. %



51

Incident Energy (eV)

30-Zn-64

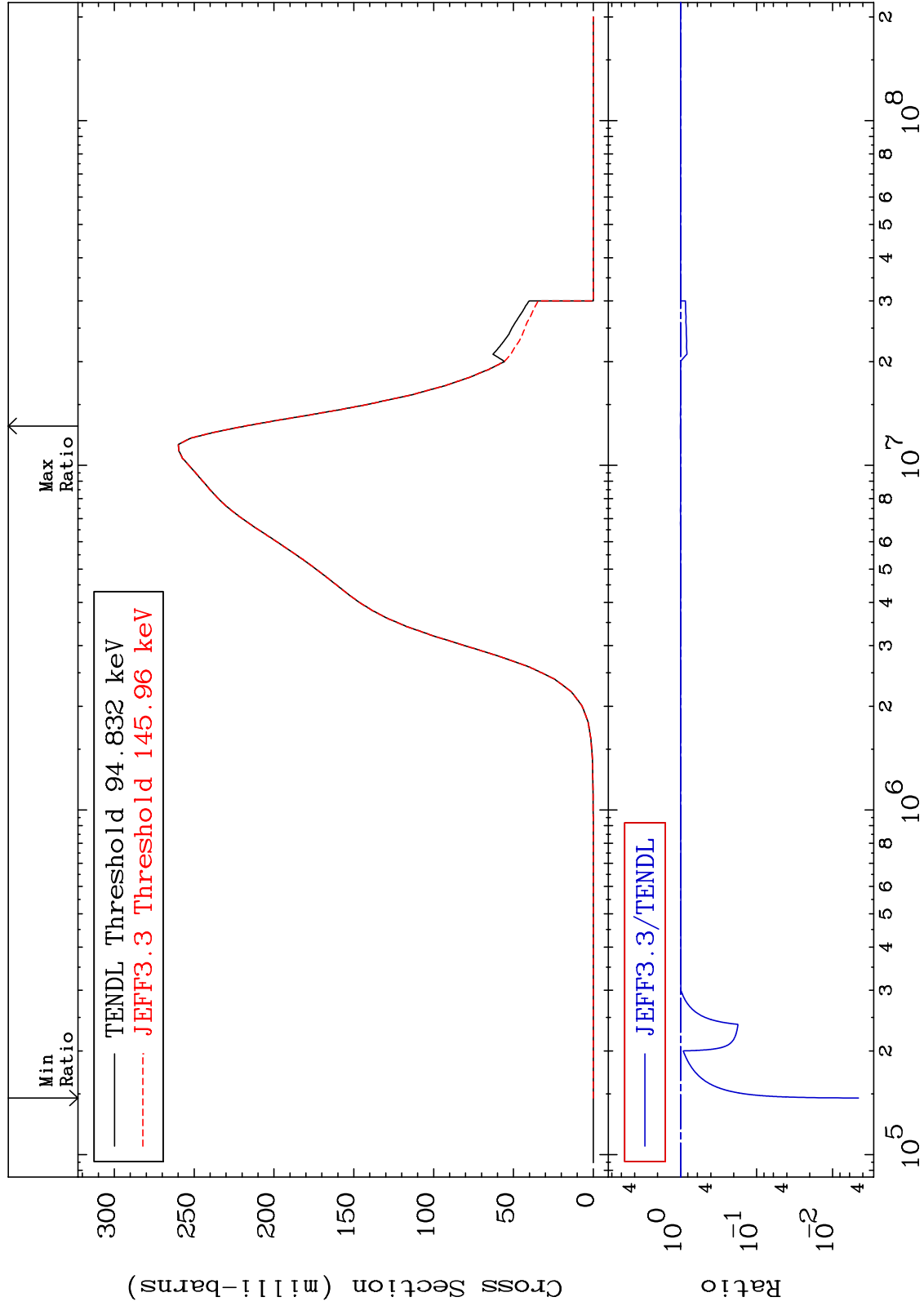
MAT 3025

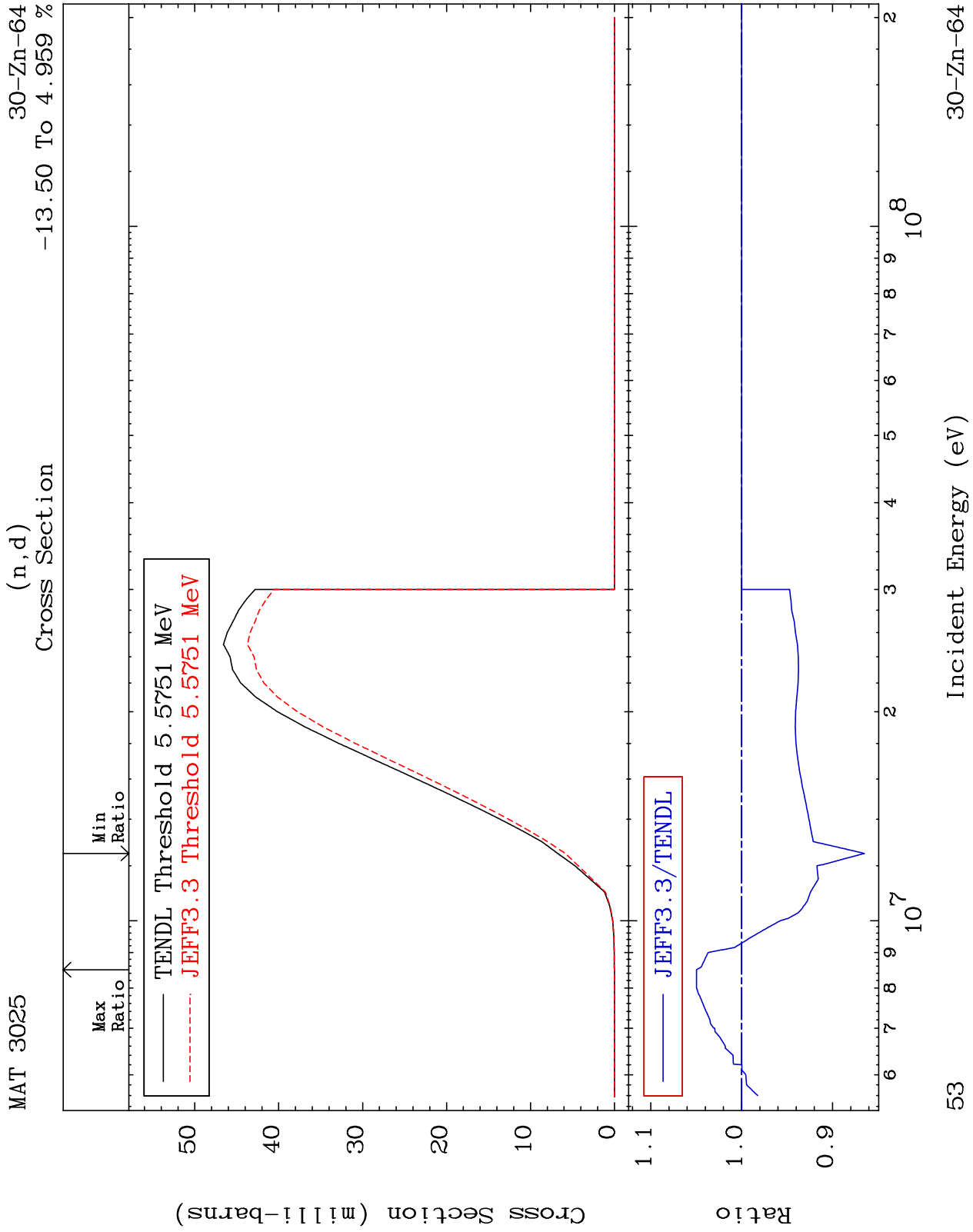
(n,p)

30-Zn-64

Cross Section

-99.54 To 0.195 %





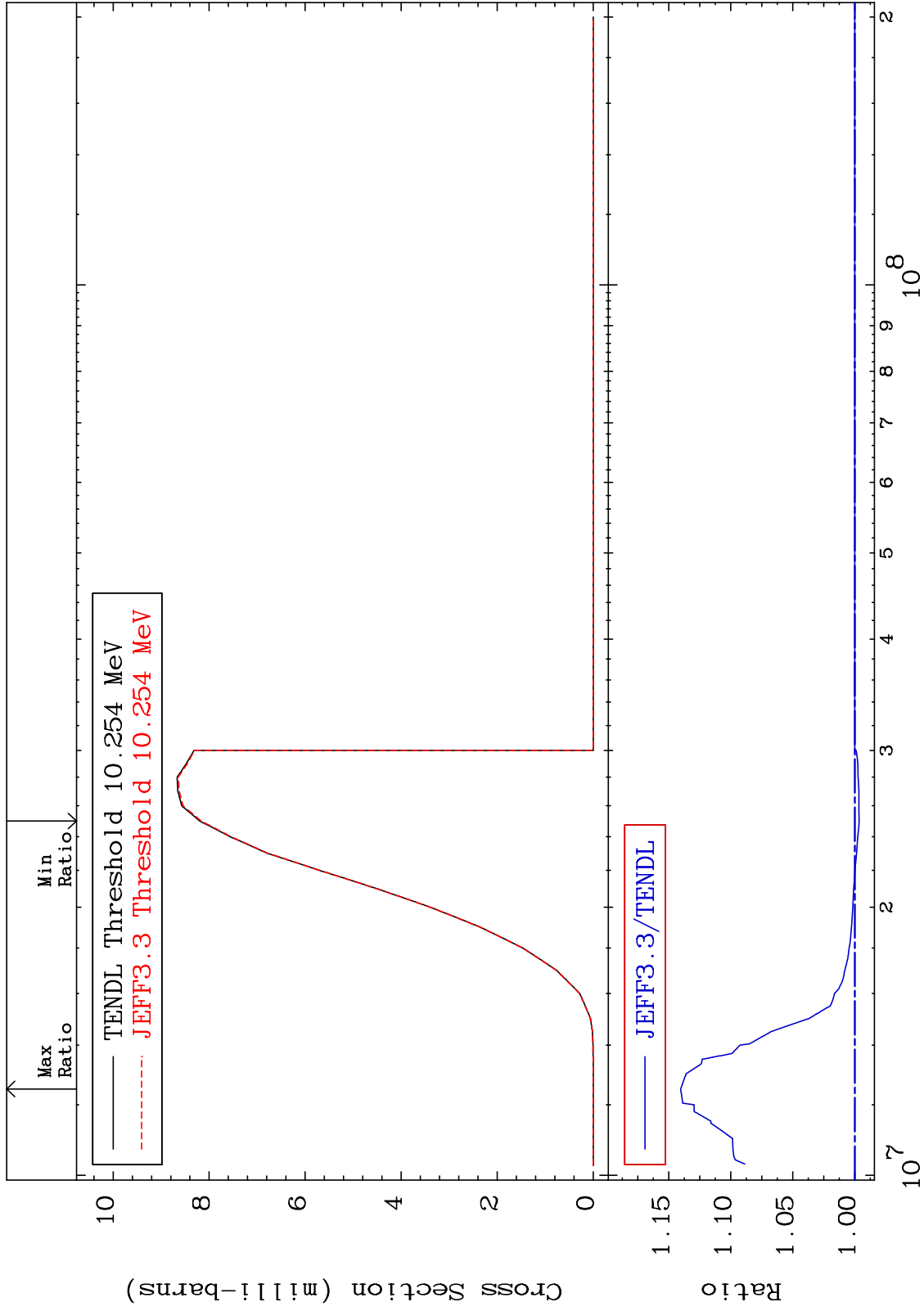
MAT 3025

(n, t)

30-Zn-64

Cross Section

-0.353 To 14.04 %



54

Incident Energy (eV)

30-Zn-64

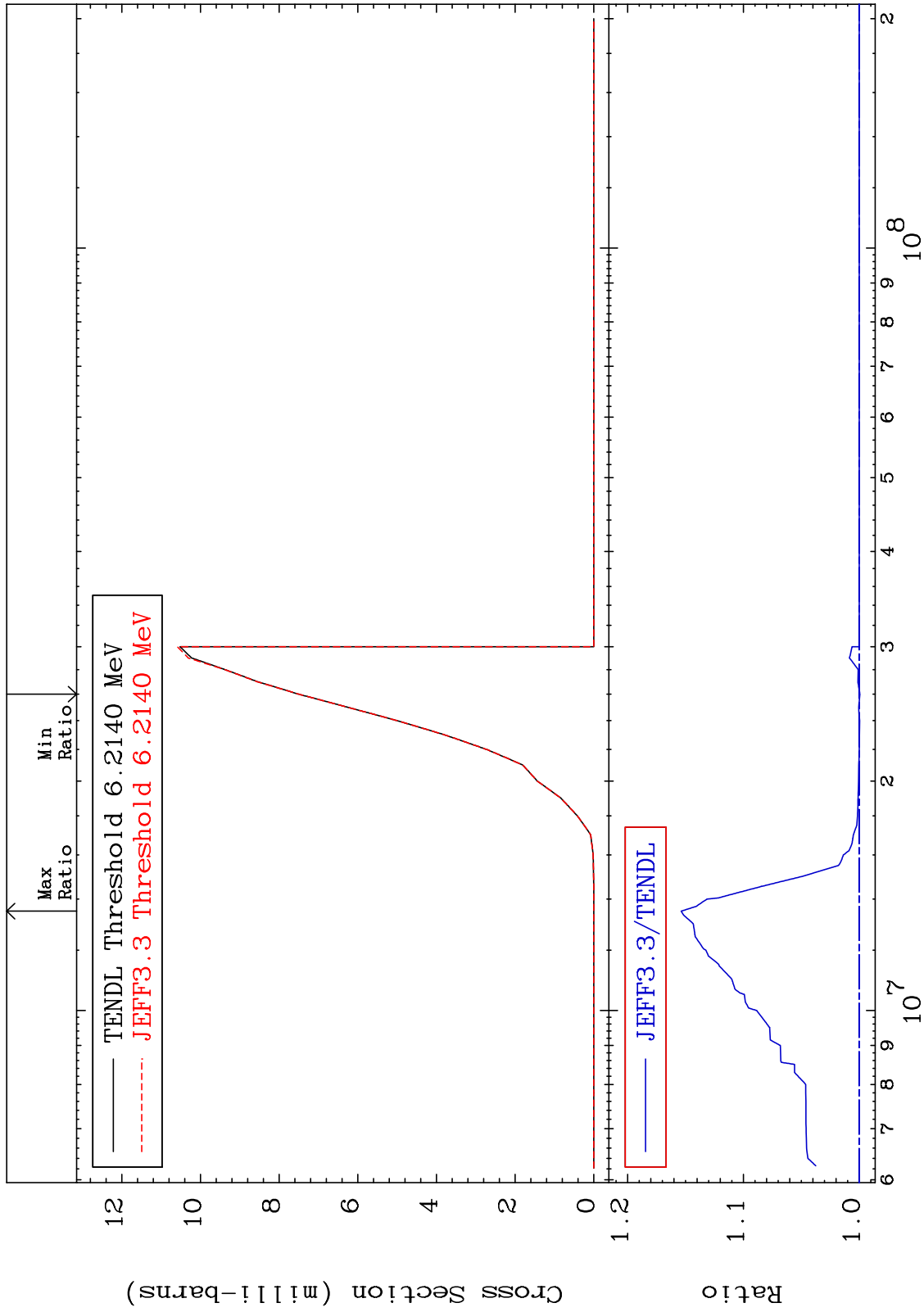
MAT 3025

(n, He-3)

30-Zn-64

Cross Section

-0.063 To 15.37 %



55

Incident Energy (eV)

30-Zn-64

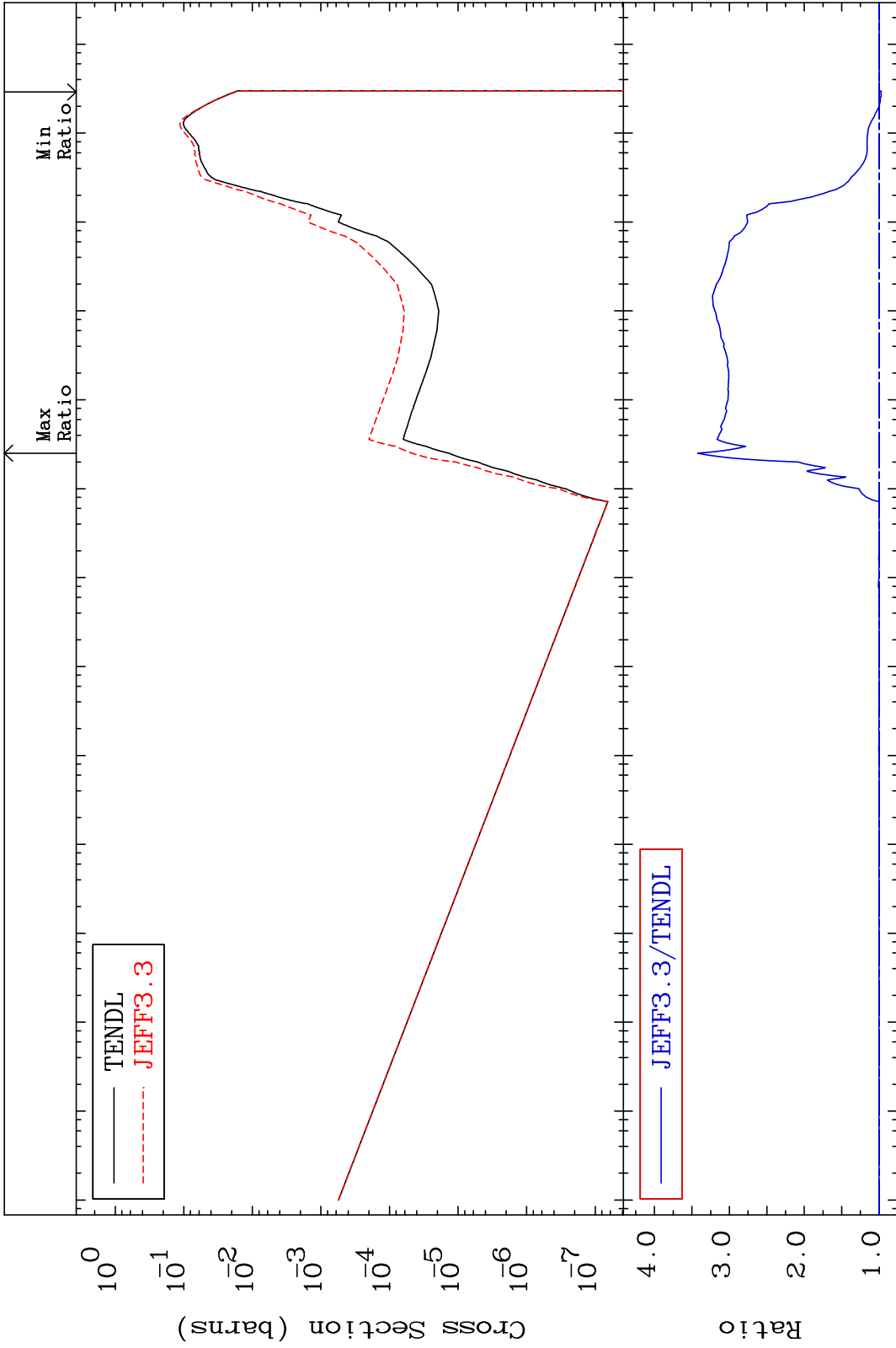
MAT 3025

(n, α)

30-Zn-64

Cross Section

-3.197 To 242.2 %



30-Zn-64

Incident Energy (eV)

56

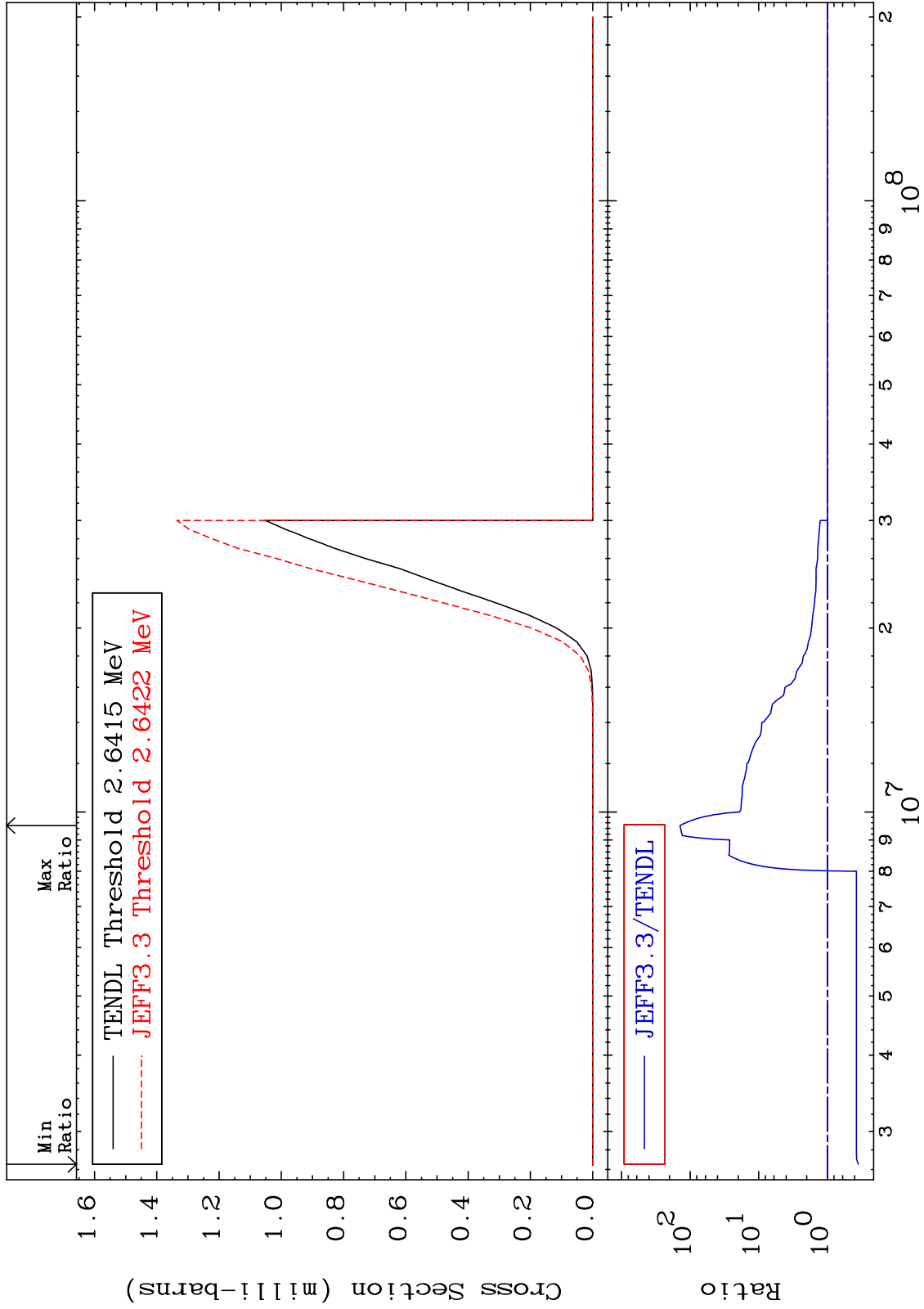
MAT 3025

(n, 2α)

30-Zn-64

Cross Section

-64.70 To 9999. %



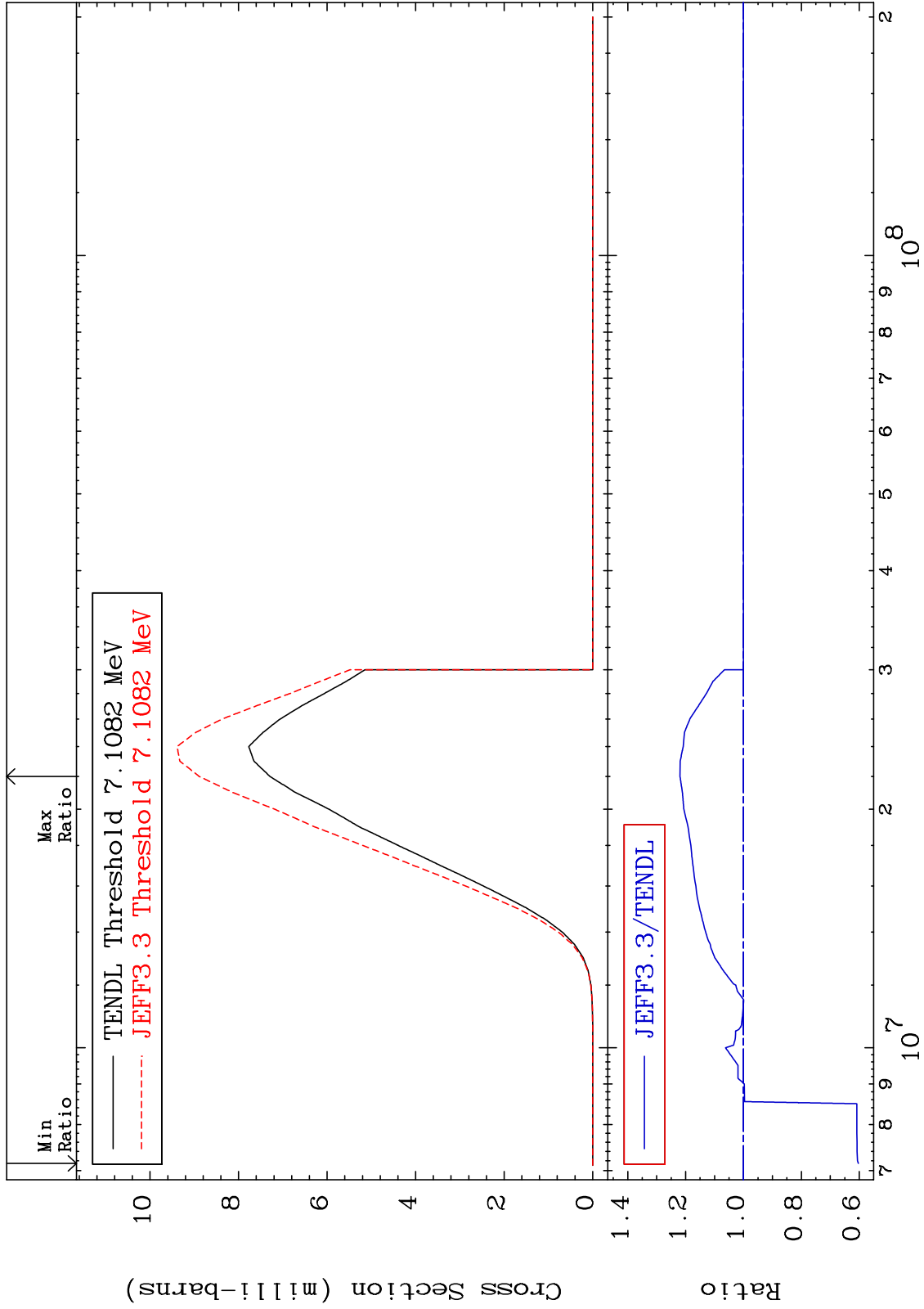
MAT 3025

(n,2p)

30-Zn-64

Cross Section

-39.72 To 21.93 %



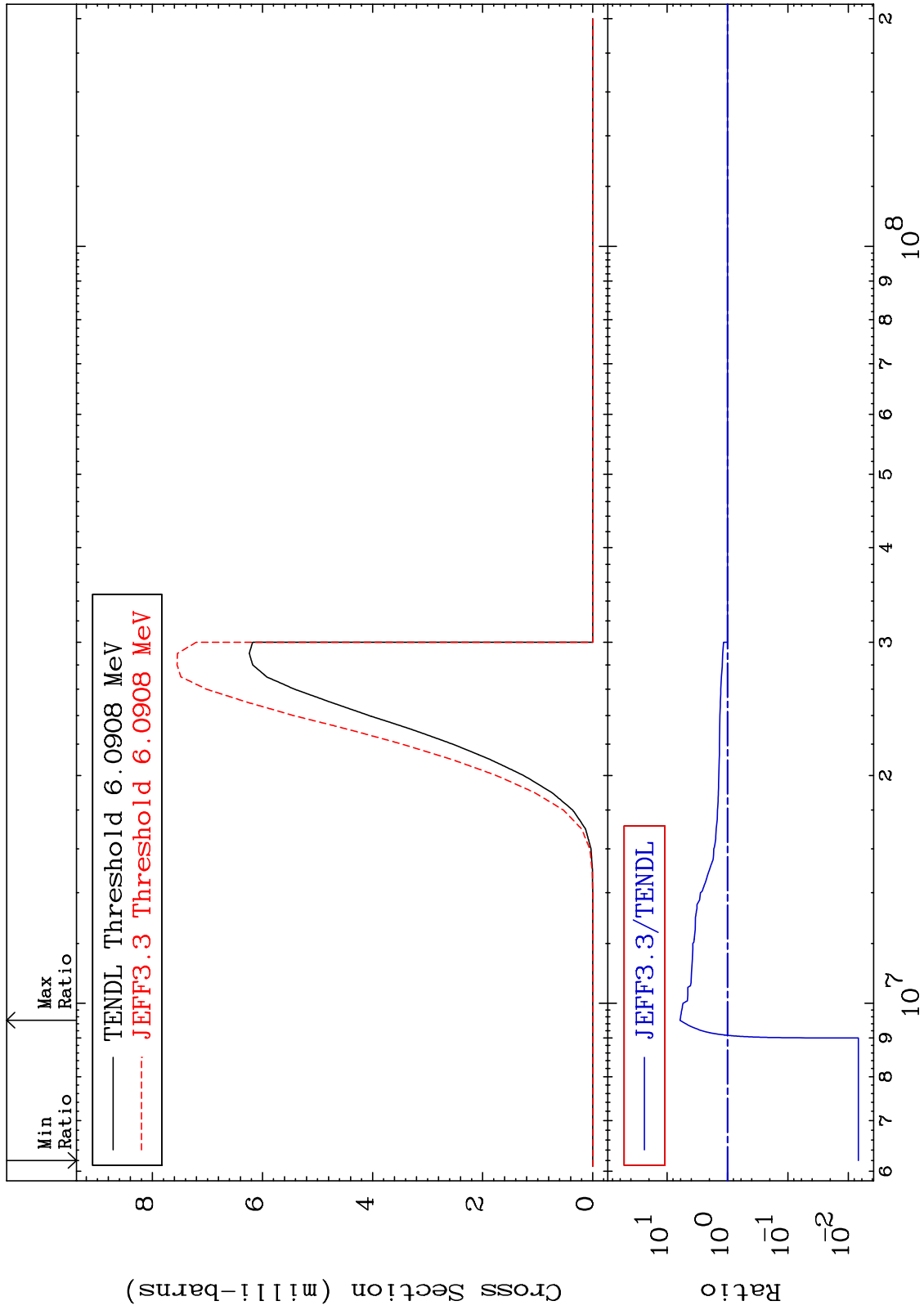
MAT 3025

(n,p) α

30-Zn-64

Cross Section

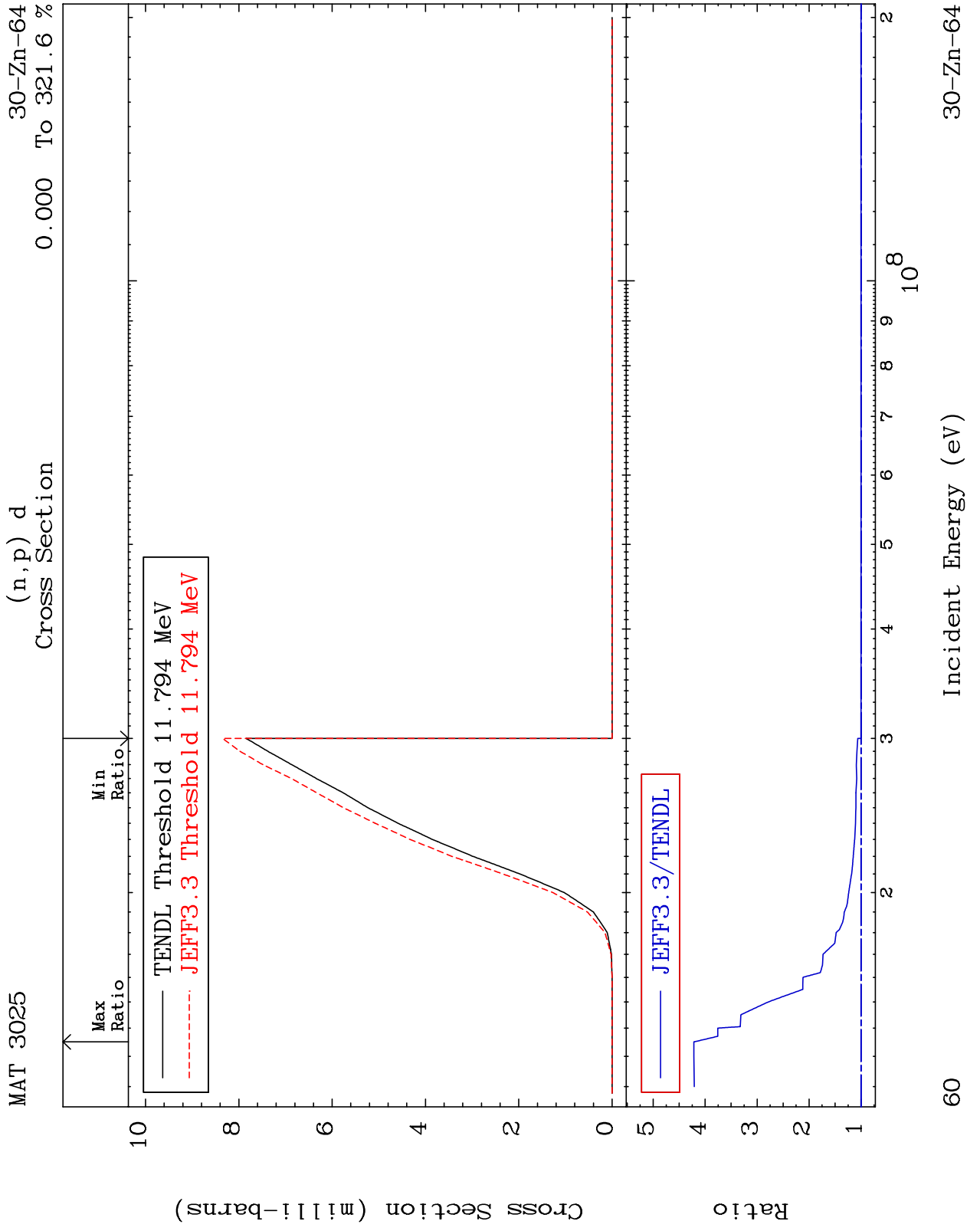
-99.32 To 513.1 %



59

Incident Energy (eV)

30-Zn-64



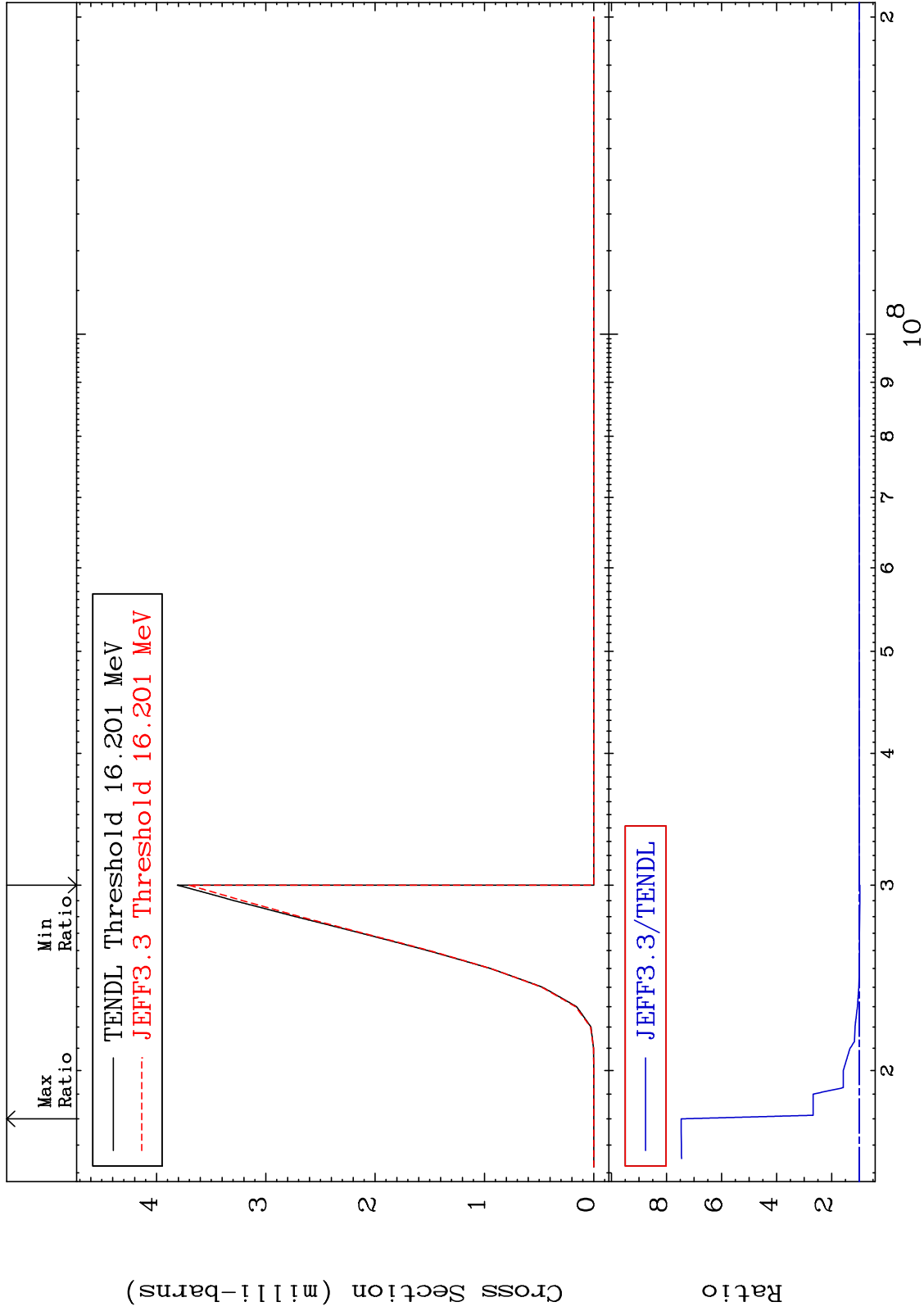
MAT 3025

(n,p) t

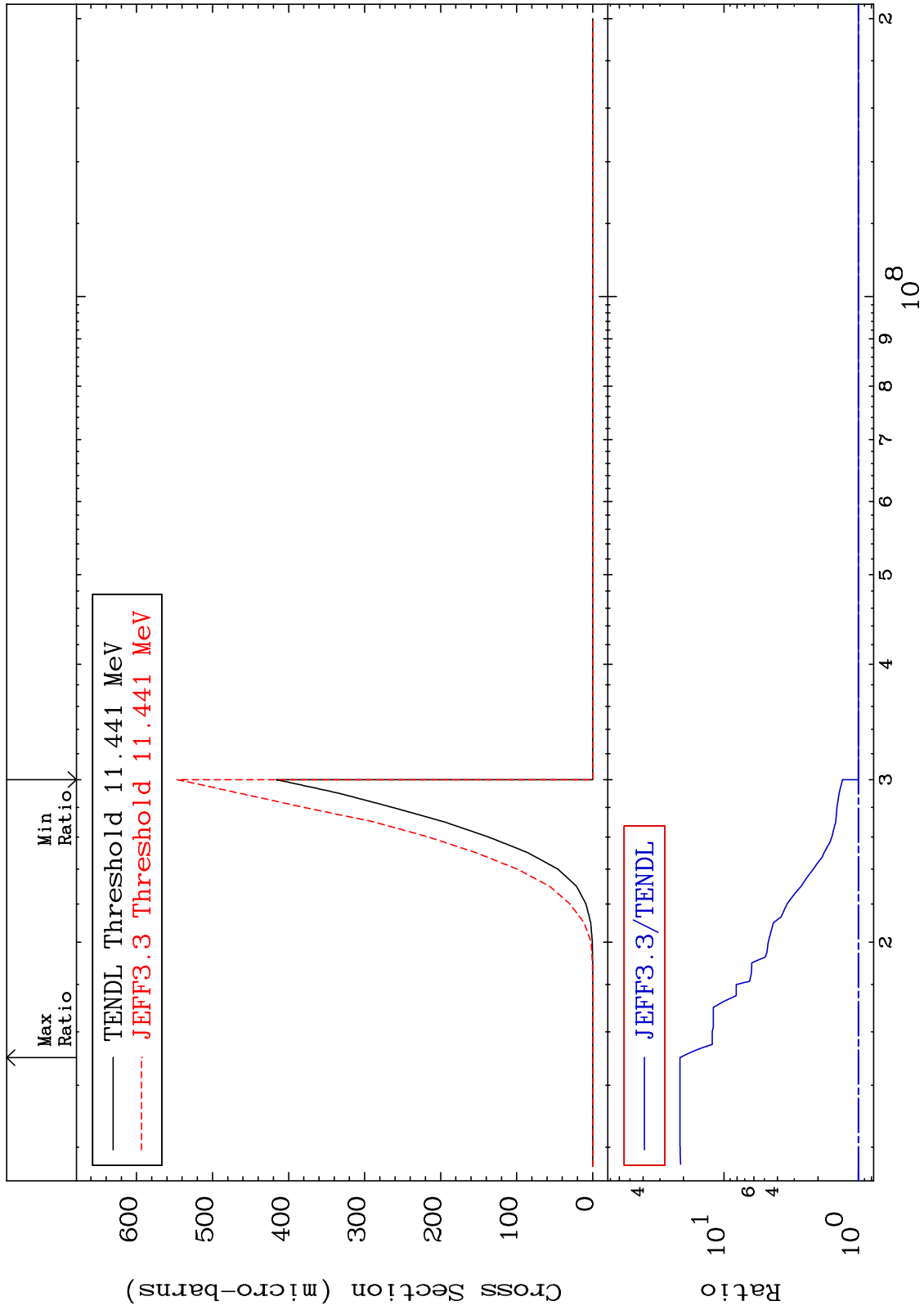
30-Zn-64

Cross Section

-2.698 To 646.3 %



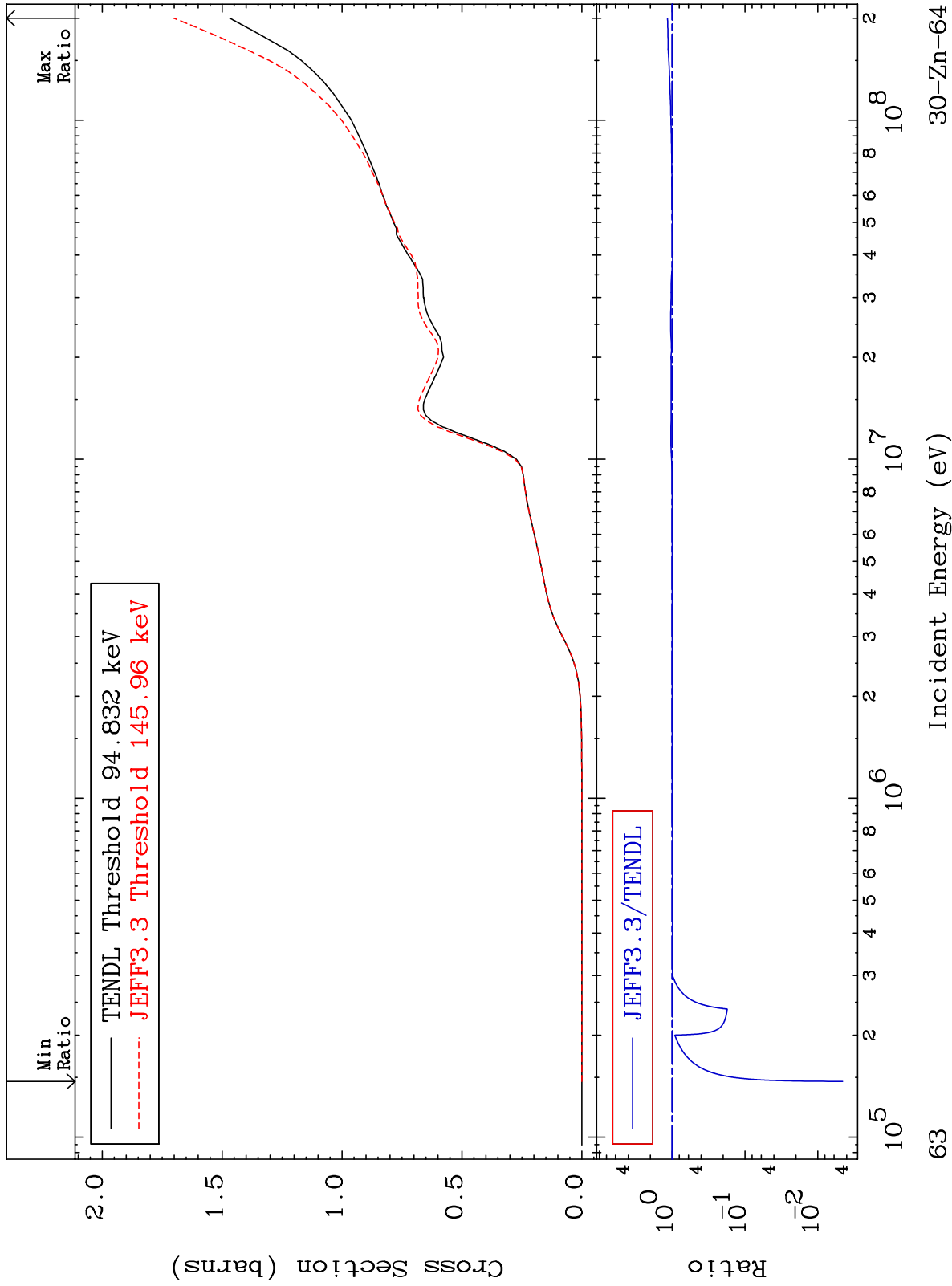
MAT 3025 $(n,d) \alpha$ Cross Section 30-Zn-64 To 2024. %



MAT 3025

Hydrogen Production
Cross Section

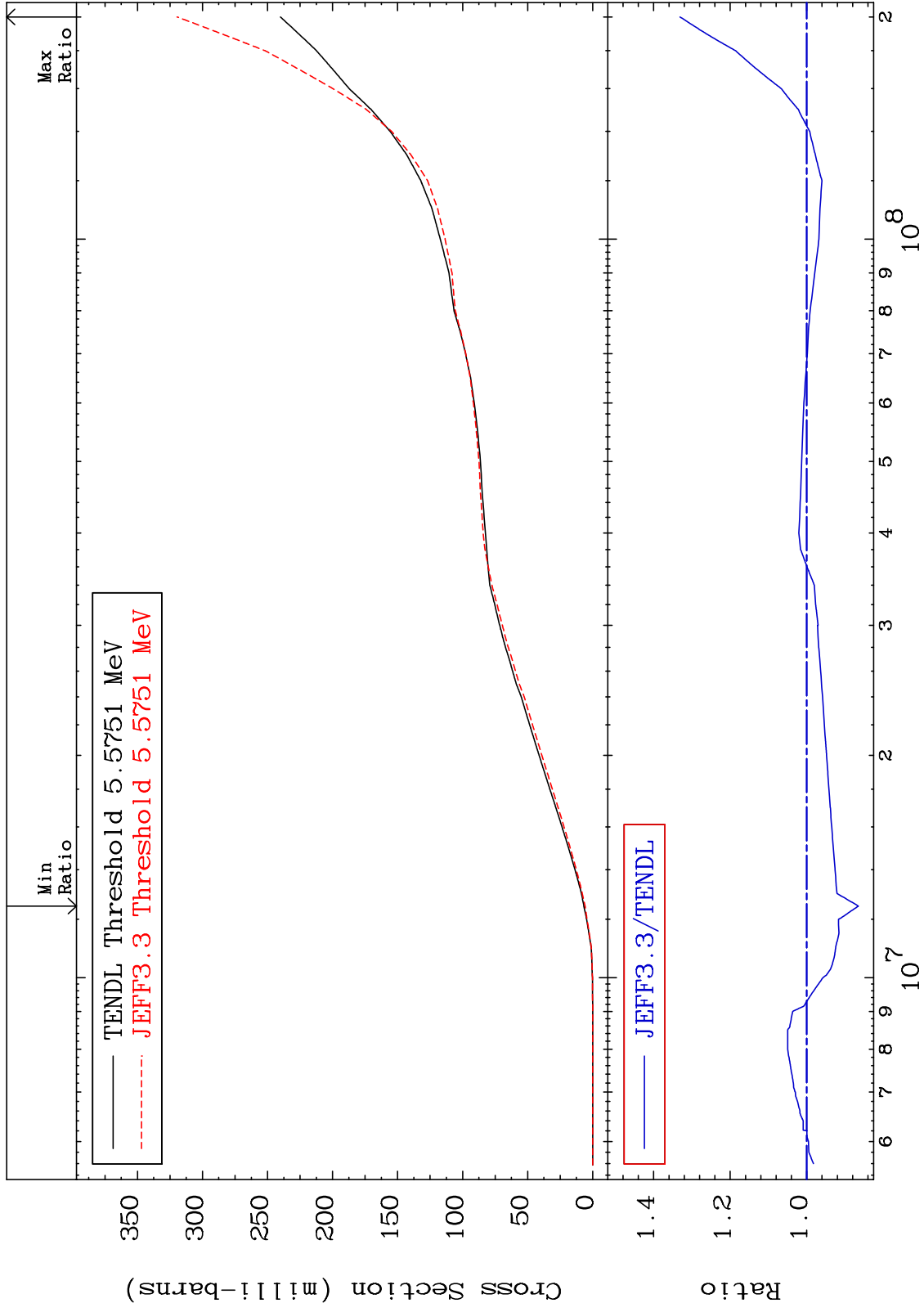
30-Zn-64
-99.54 To 15.87 %



MAT 3025

Deuterium Production
Cross Section

30-Zn-64
-13.50 To 33.11 %



64

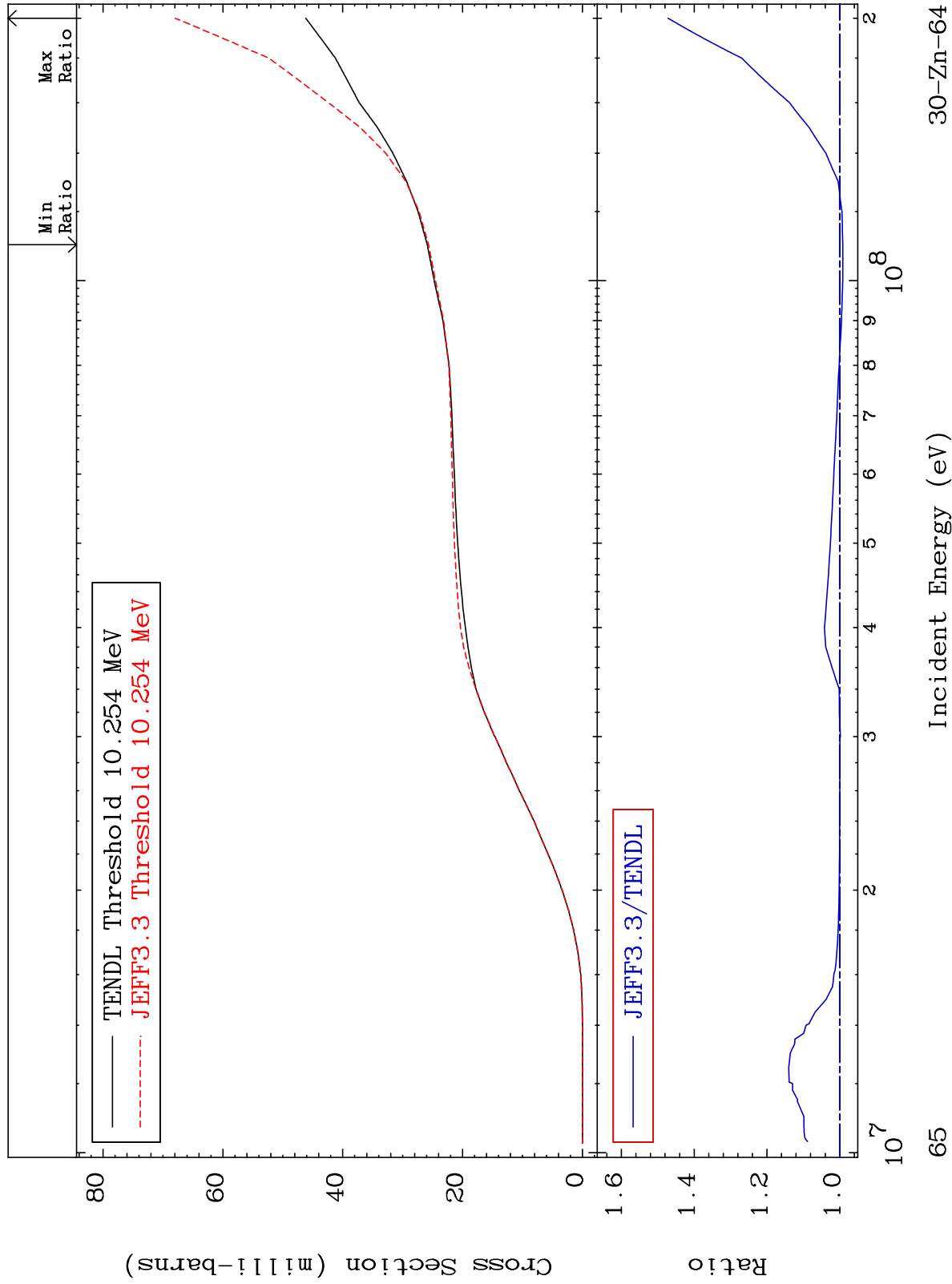
Incident Energy (eV)

30-Zn-64

MAT 3025

Tritium Production
Cross Section

30-Zn-64
-0.856 To 47.19 %



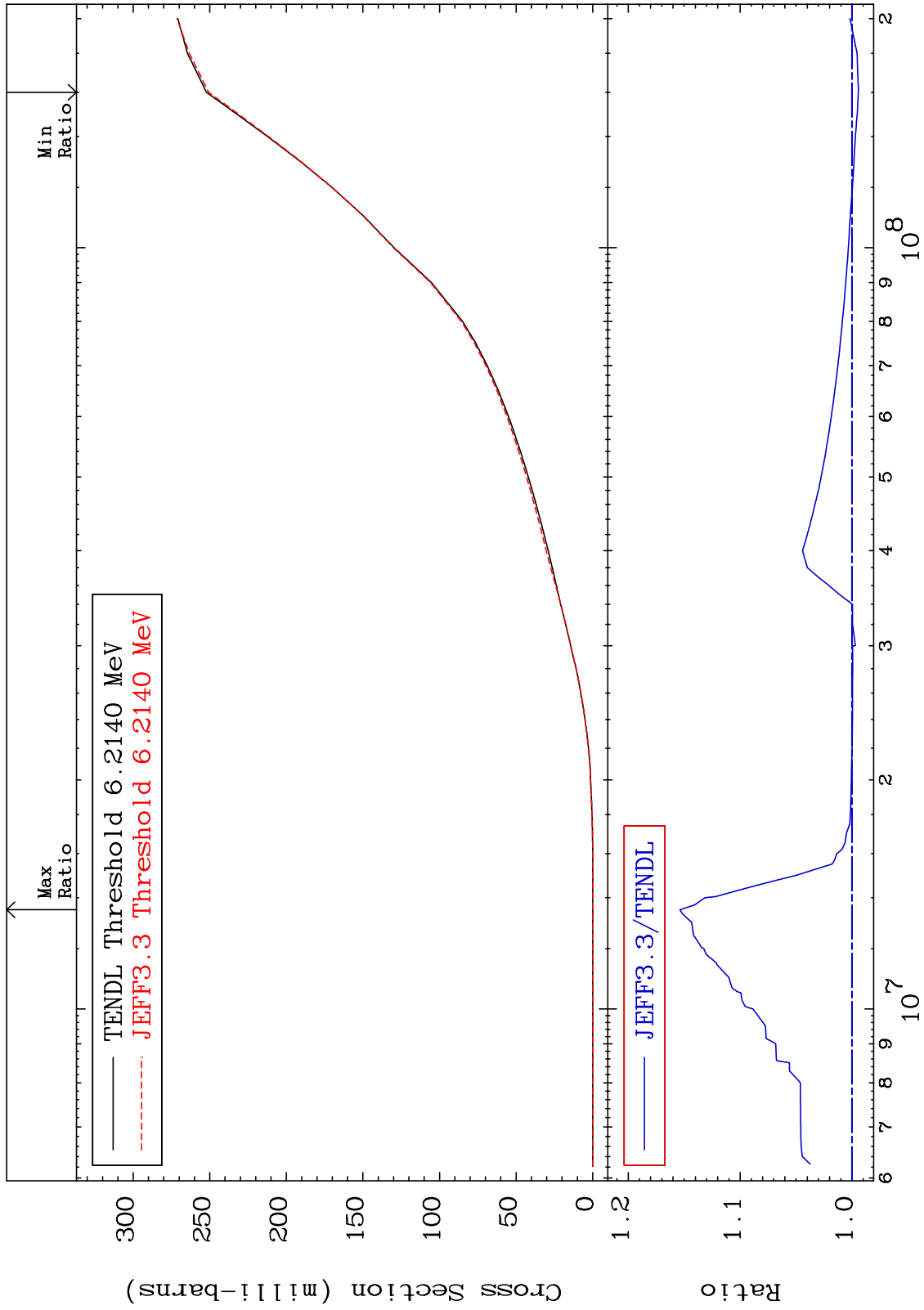
65

30-Zn-64

MAT 3025

He-3 Production
Cross Section

30-Zn-64
-0.570 To 15.37 %



66

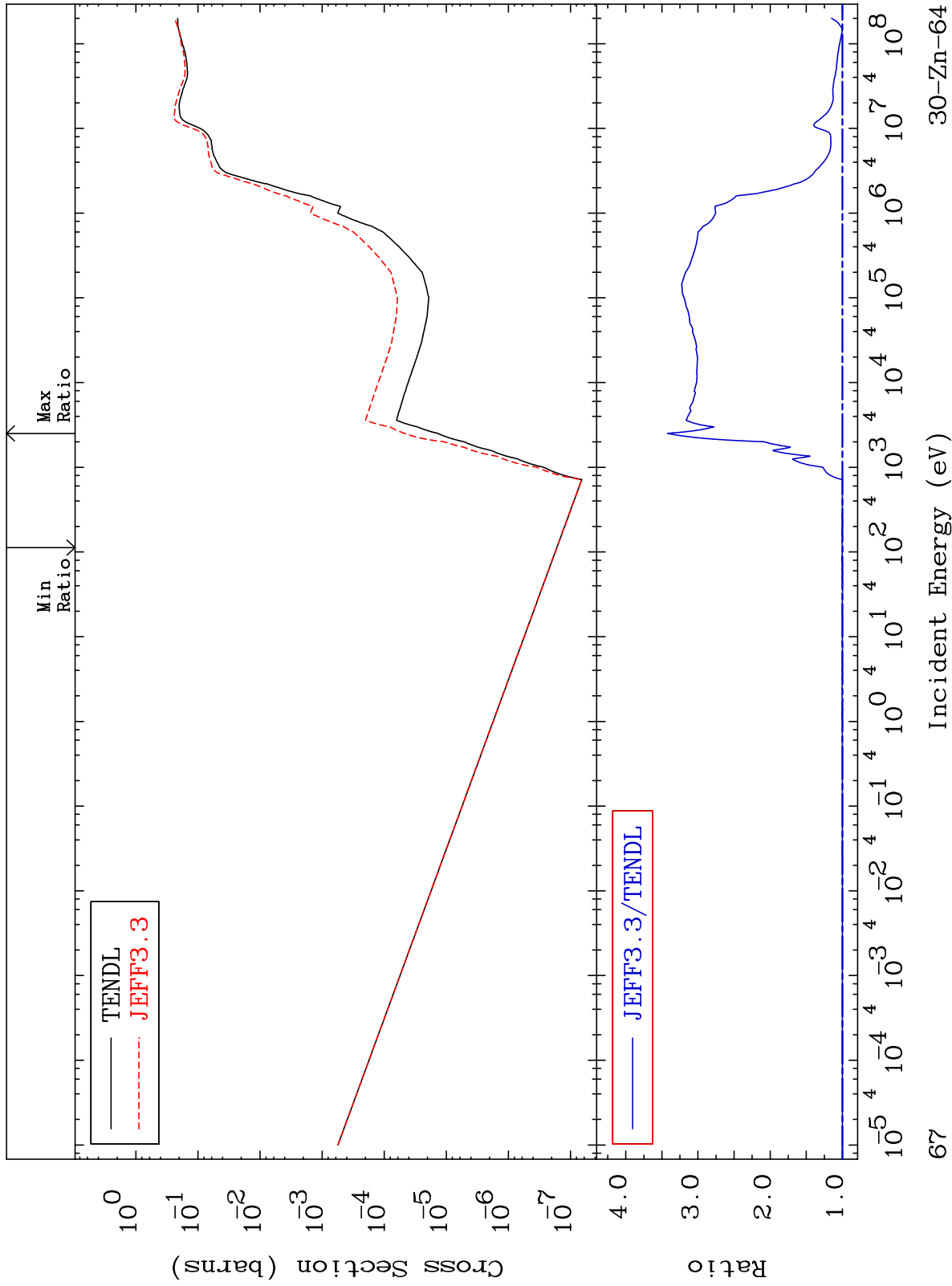
Incident Energy (eV)

30-Zn-64

MAT 3025

He-4 Production
Cross Section

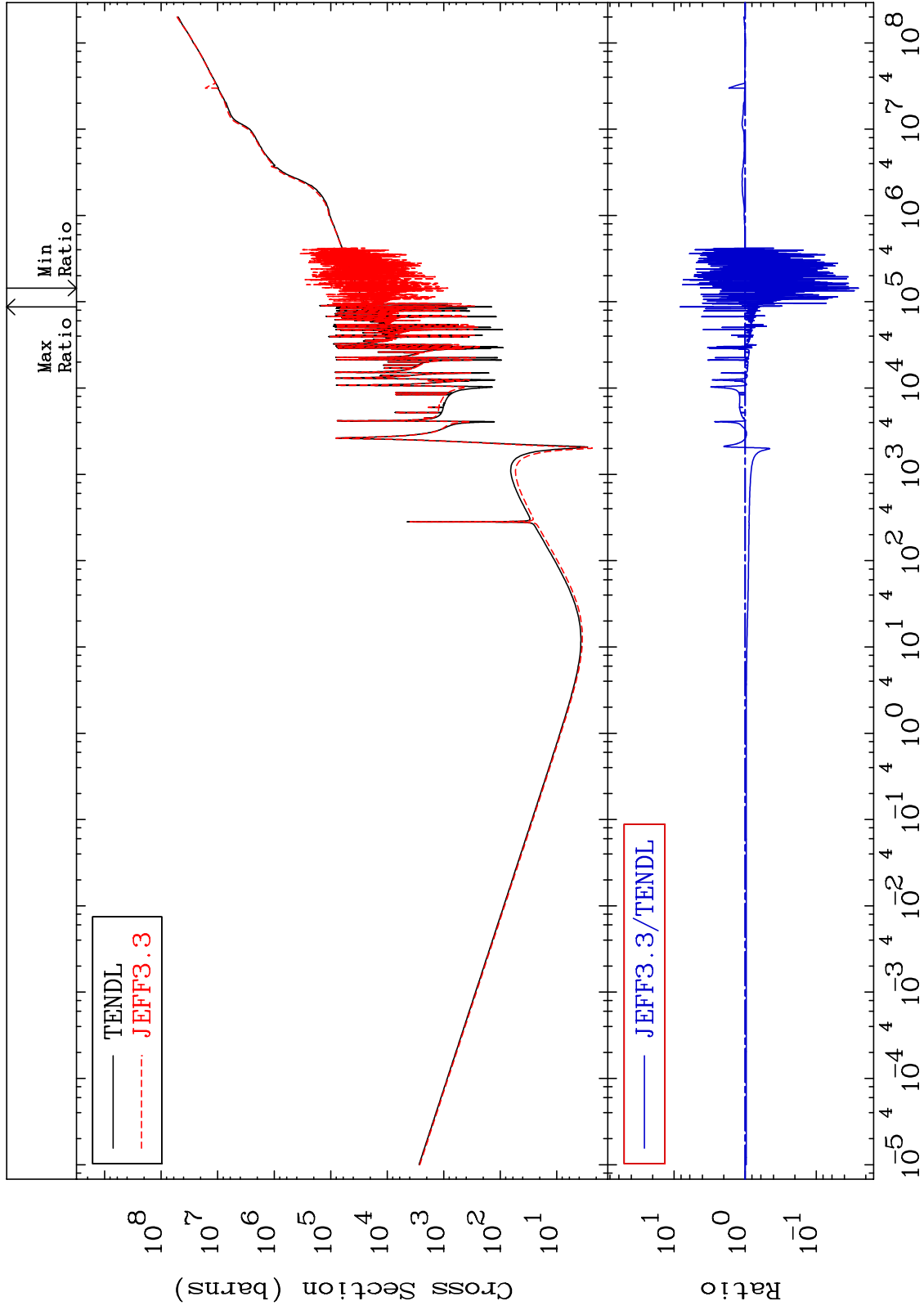
30-Zn-64
-0.388 To 242.2 %



MAT 3025

Kerma total (eV-barns)
Cross Section

30-Zn-64
-97.46 To 725.4 %



68

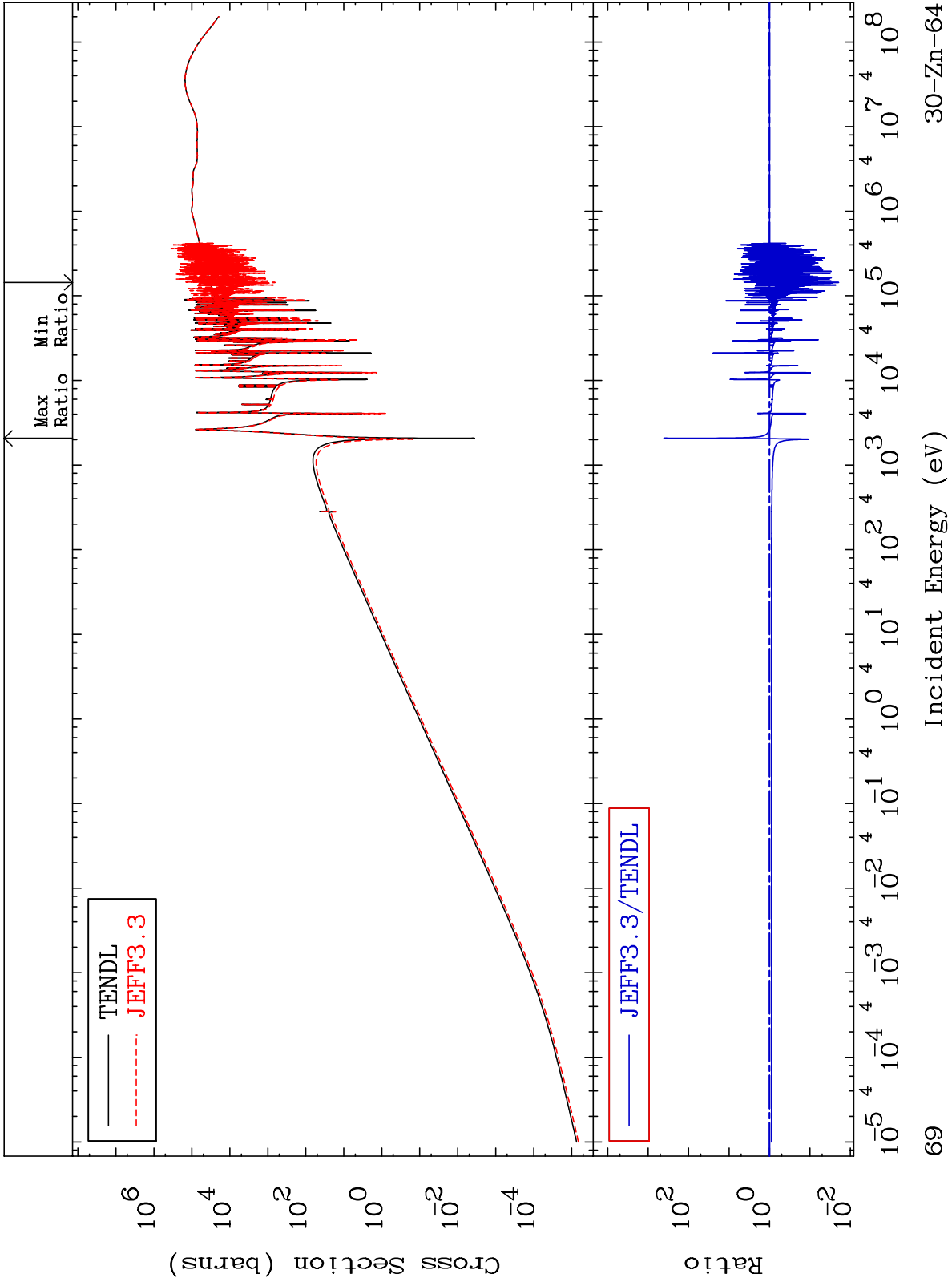
Incident Energy (eV)

30-Zn-64

MAT 3025

Kerma elastic
Cross Section

30-Zn-64
-98.08 To 9999. %

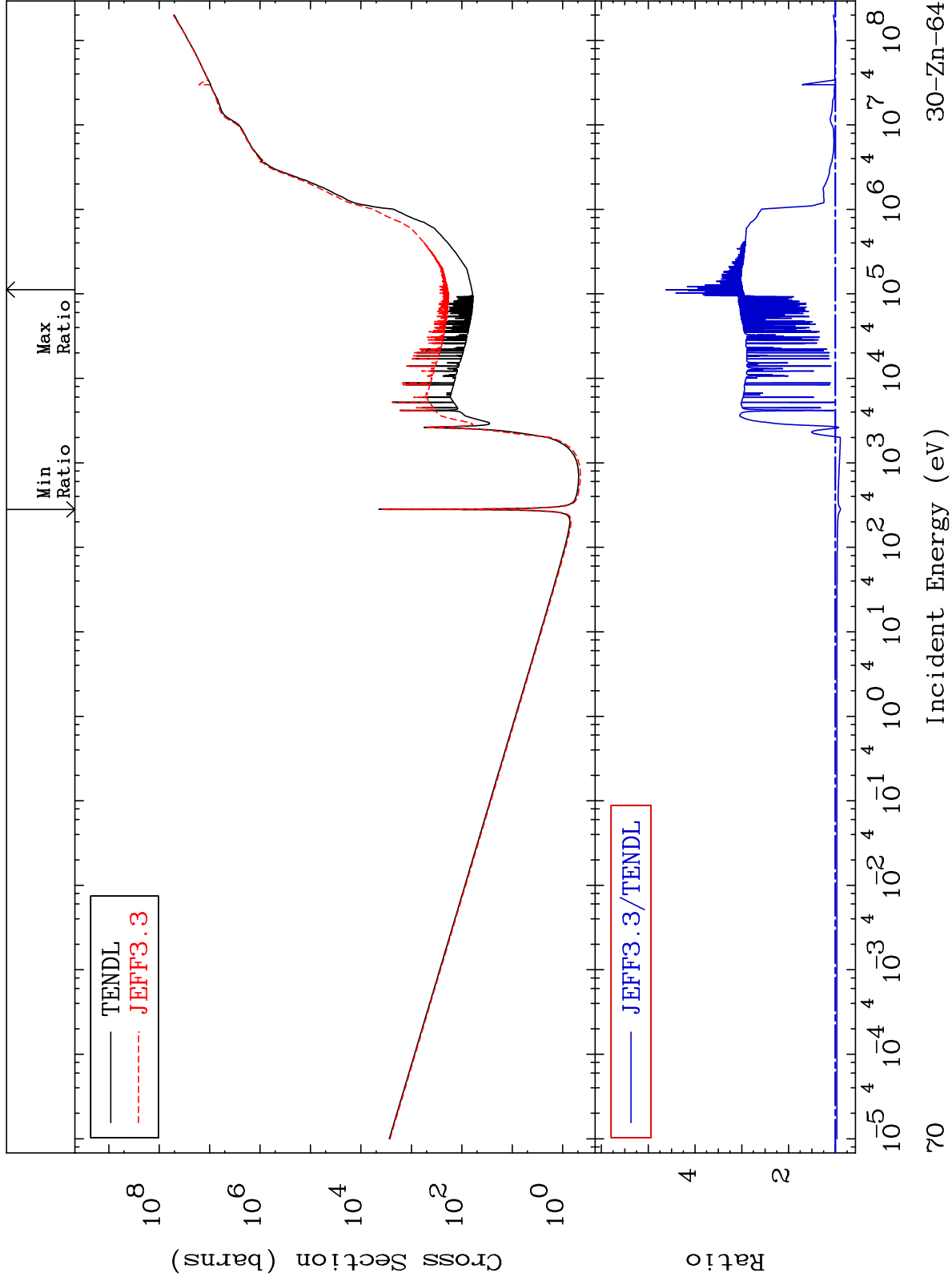


MAT 3025

Kerma non-elastic (all but mt2)
Cross Section

30-Zn-64

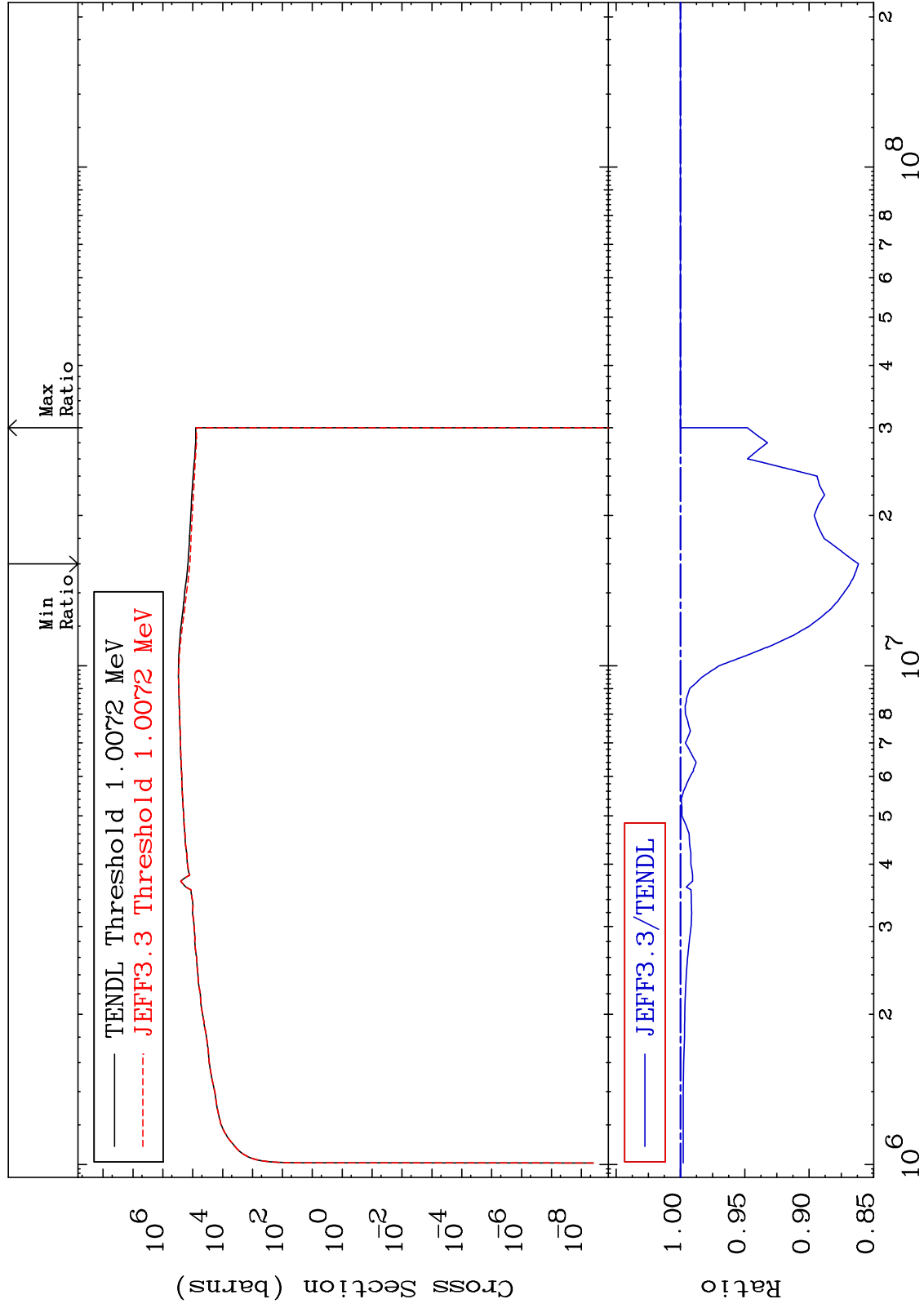
-11.16 To 362.2 %



MAT 3025

Kerma inelastic (mt51-91)
Cross Section

30-Zn-64
-13.84 To 0.000 %



71

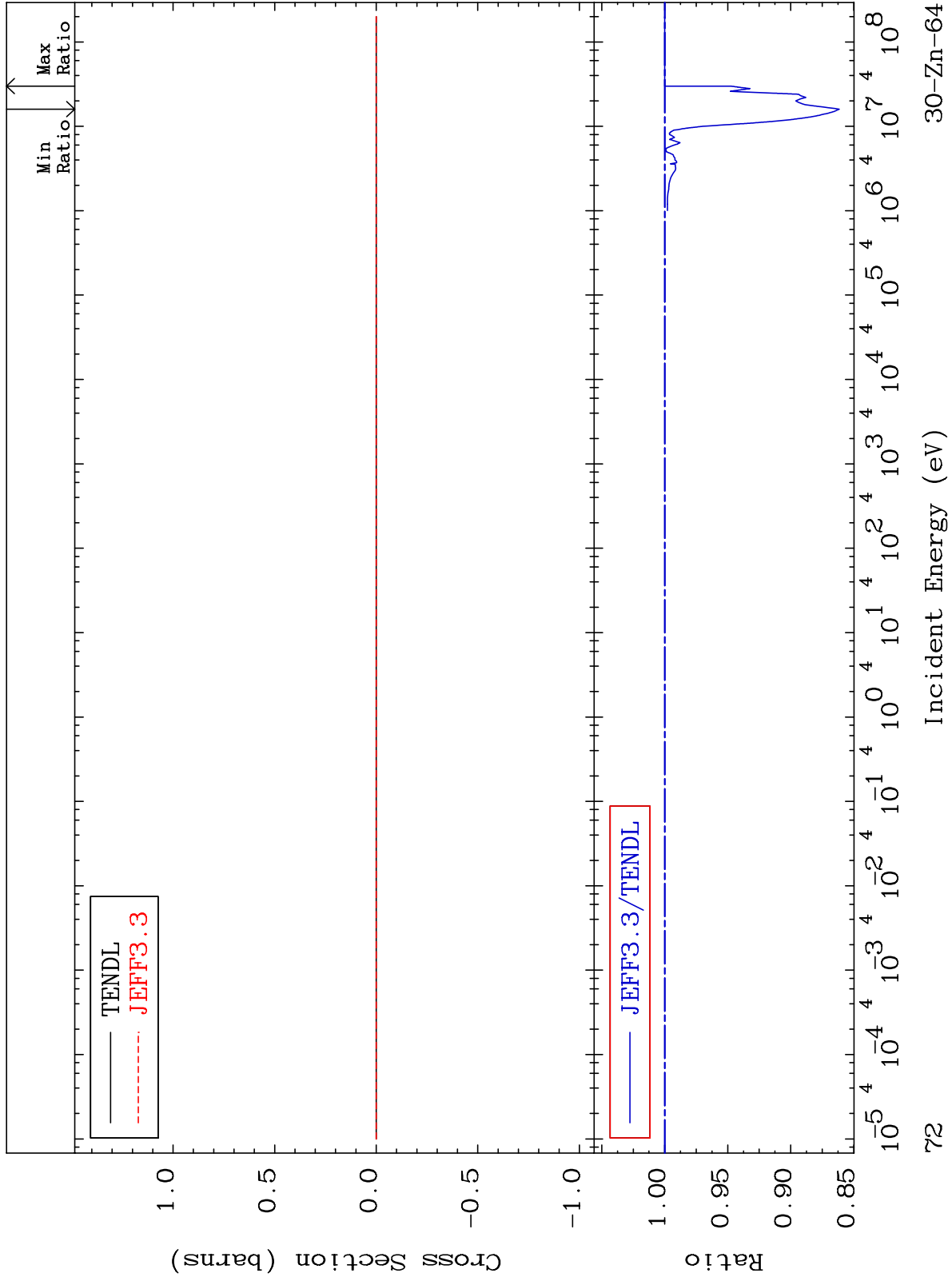
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-13.84 To 0.000 %



72

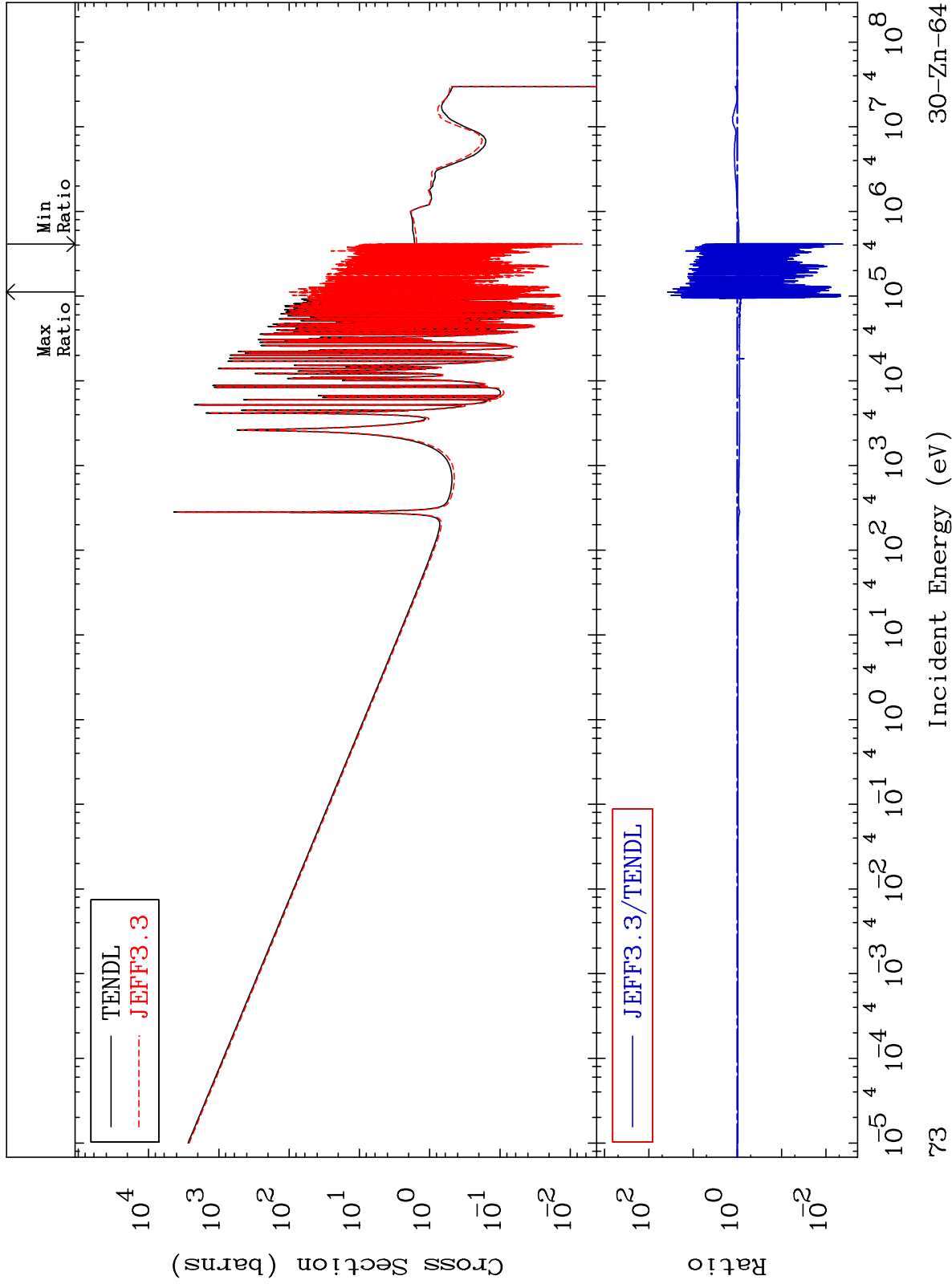
Incident Energy (eV)

30-Zn-64

MAT 3025

Kerma capture (mt102)
Cross Section

30-Zn-64
-99.58 To 3682. %



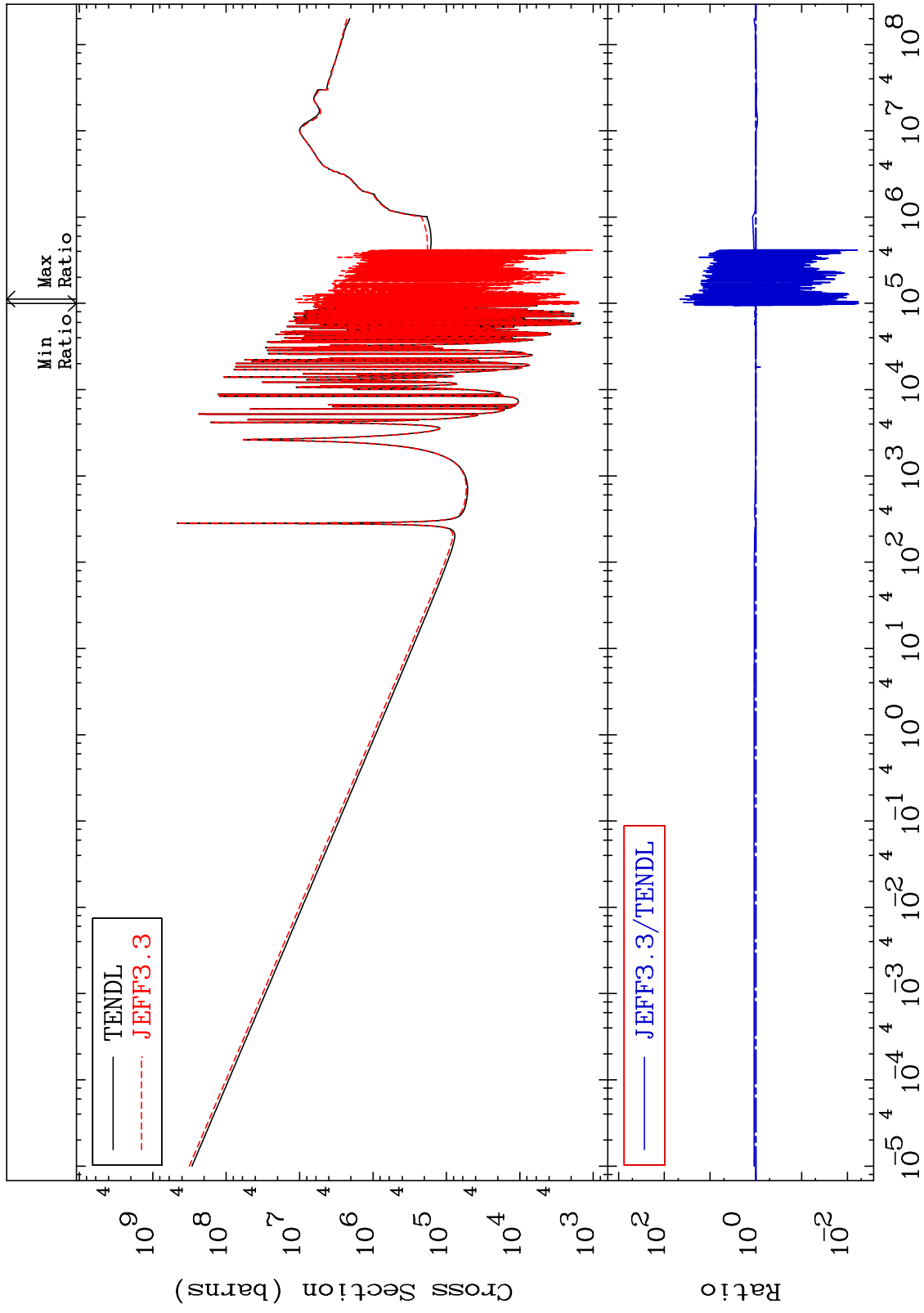
73

30-Zn-64

MAT 3025

Total photon (eV-barns)
Cross Section

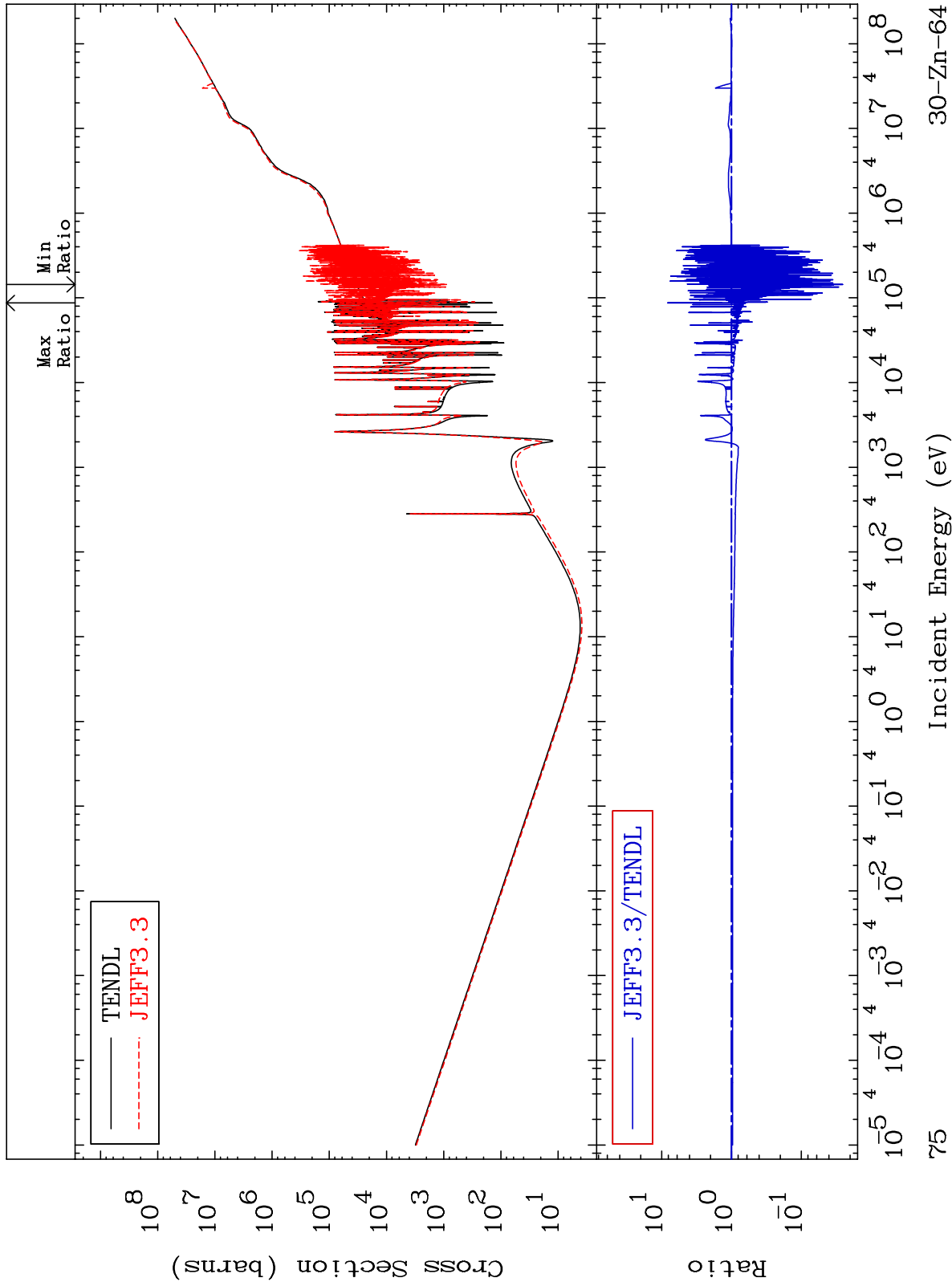
30-Zn-64
-99.42 To 4446. %



MAT 3025

Total kinematic kerma (high limit)
Cross Section

30-Zn-64
-97.45 To 723.6 %



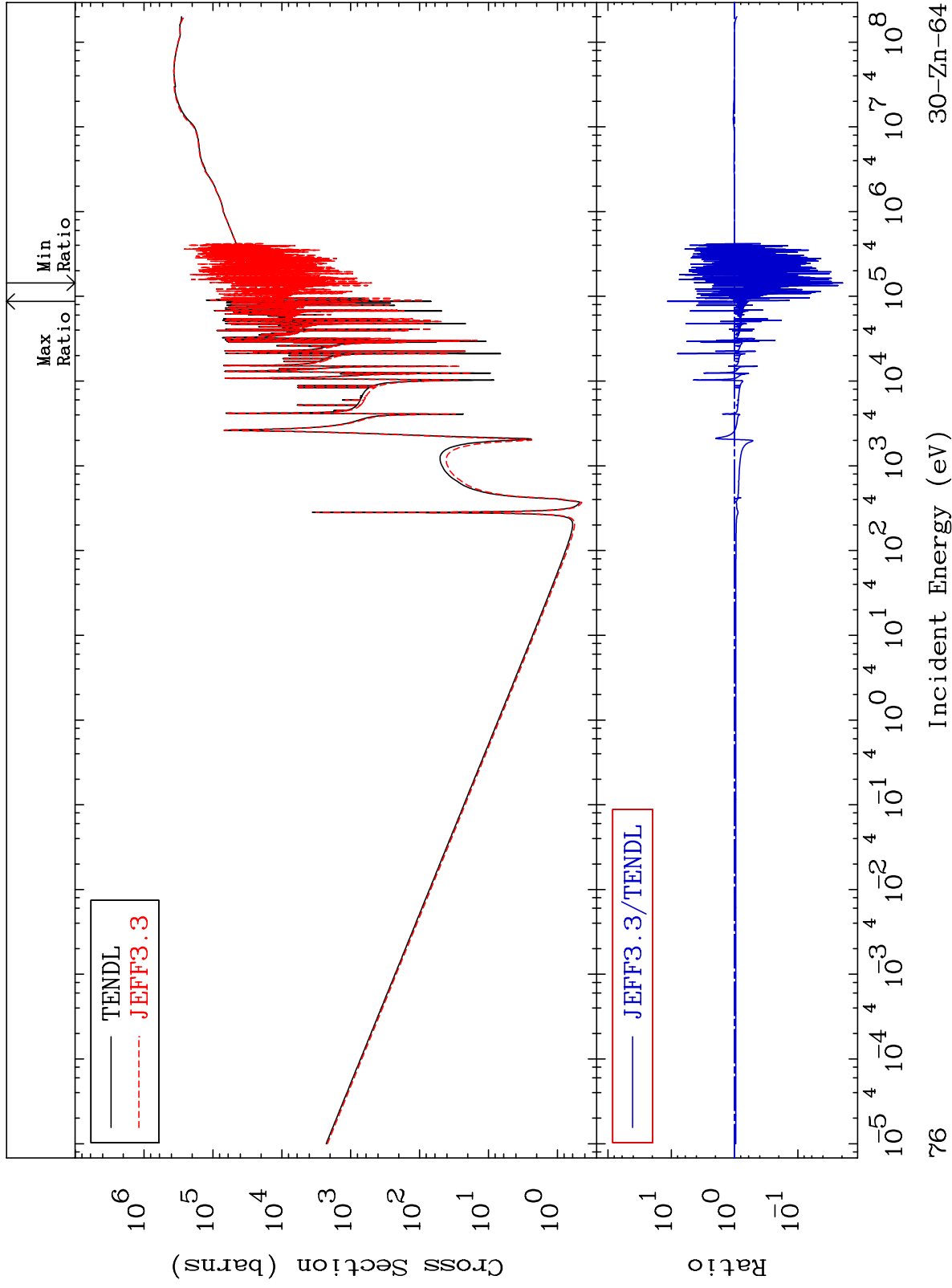
75

30-Zn-64

MAT 3025

Dpa total (eV-barns)
Cross Section

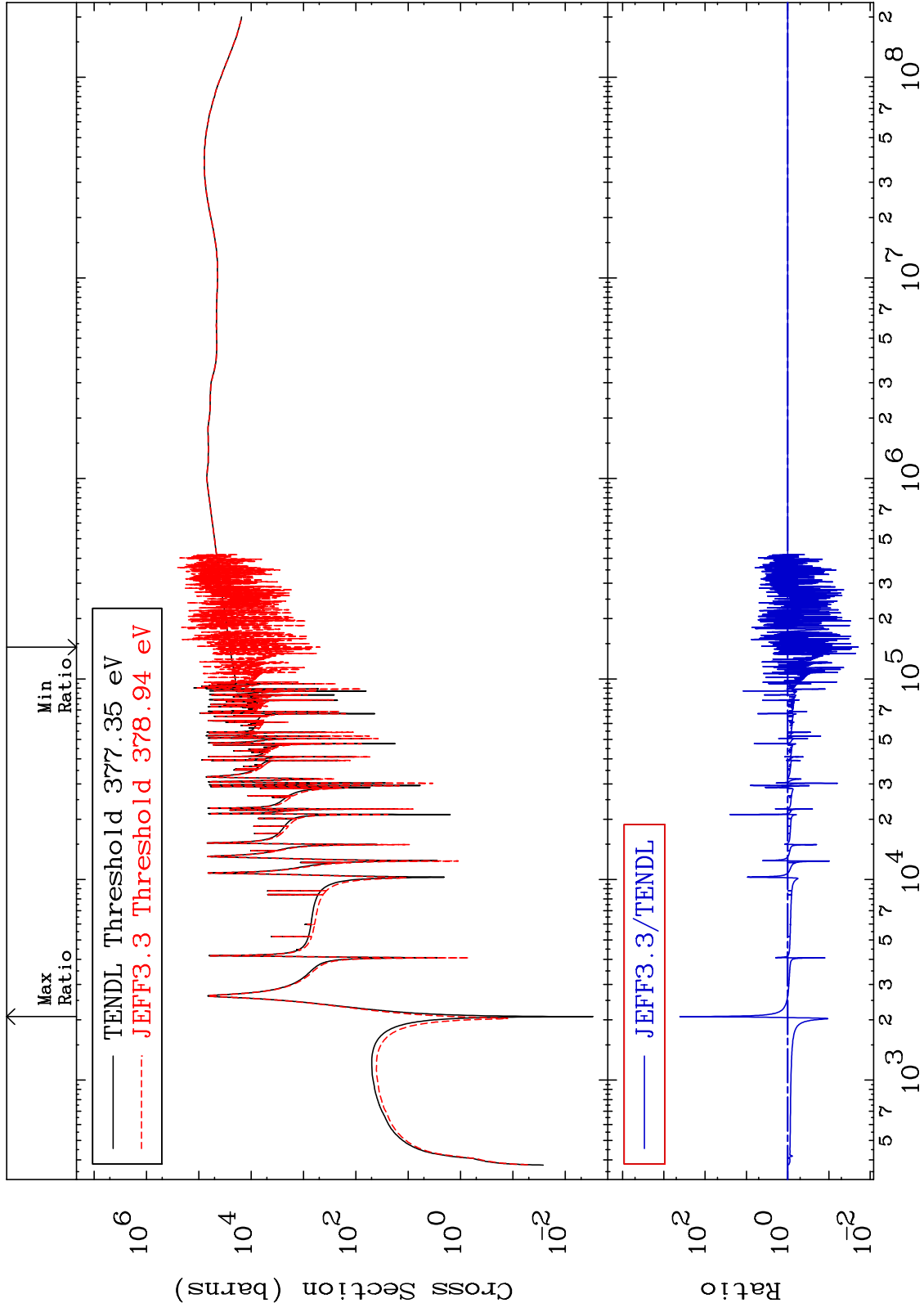
30-Zn-64
-98.04 To 1047. %



MAT 3025

Dpa elastic (mt2)
Cross Section

30-Zn-64
-98.08 To 9999. %



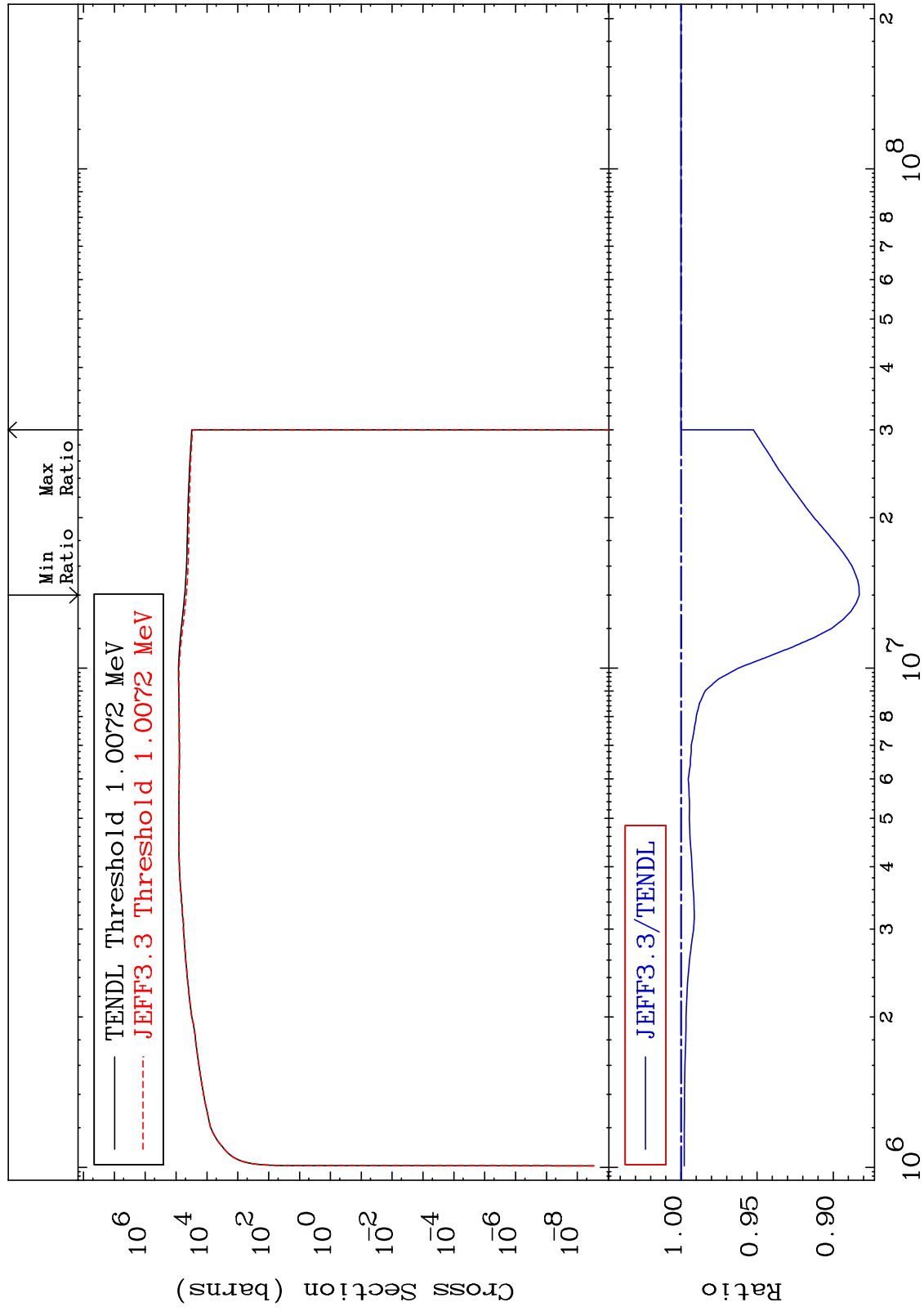
77

30-Zn-64

MAT 3025

Dpa inelastic (mt51-91)
Cross Section

30-Zn-64
-11.71 To 0.000 %



Incident Energy (eV)

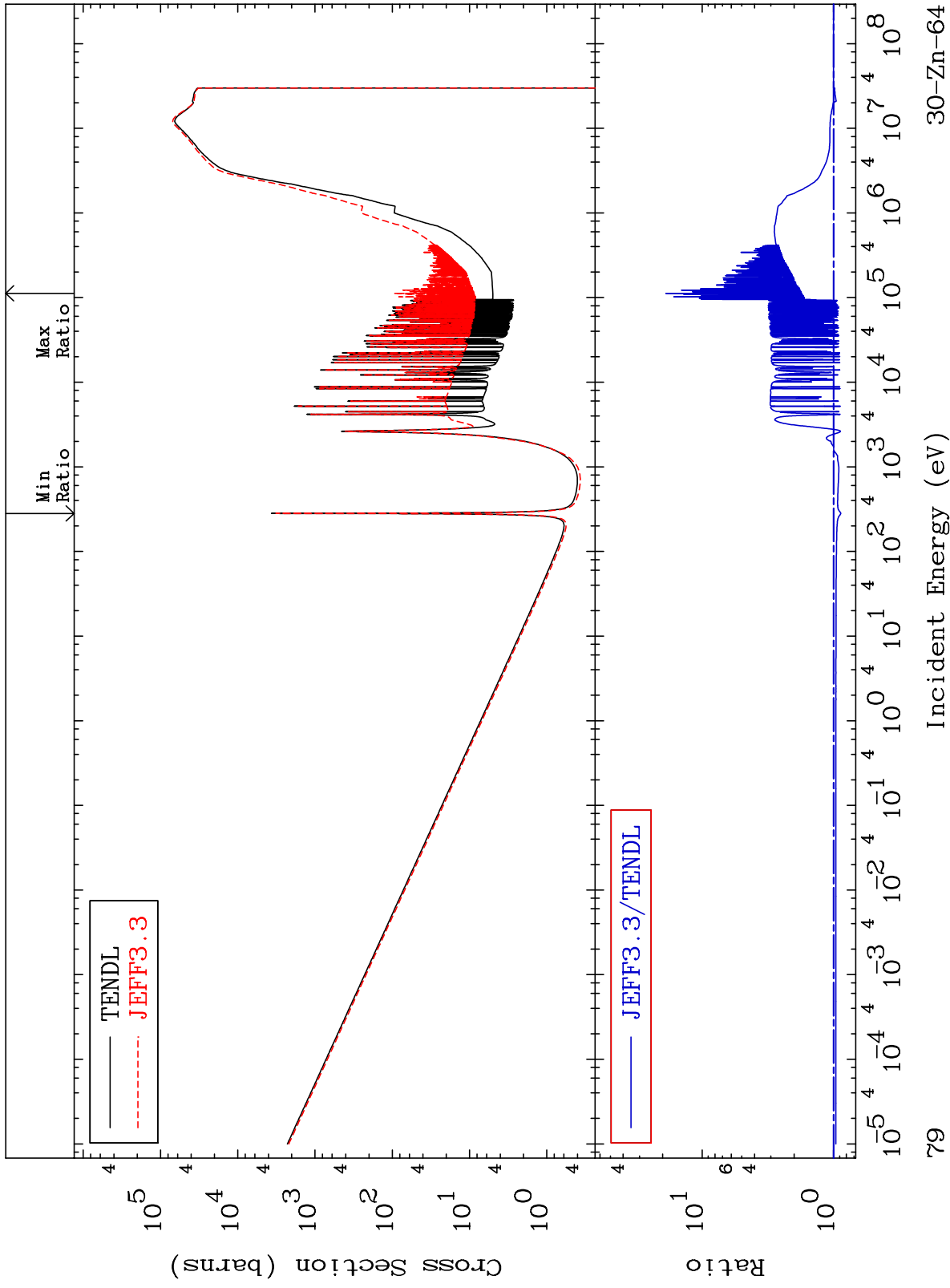
30-Zn-64

78

MAT 3025

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-64
-11.87 To 1790. %



79

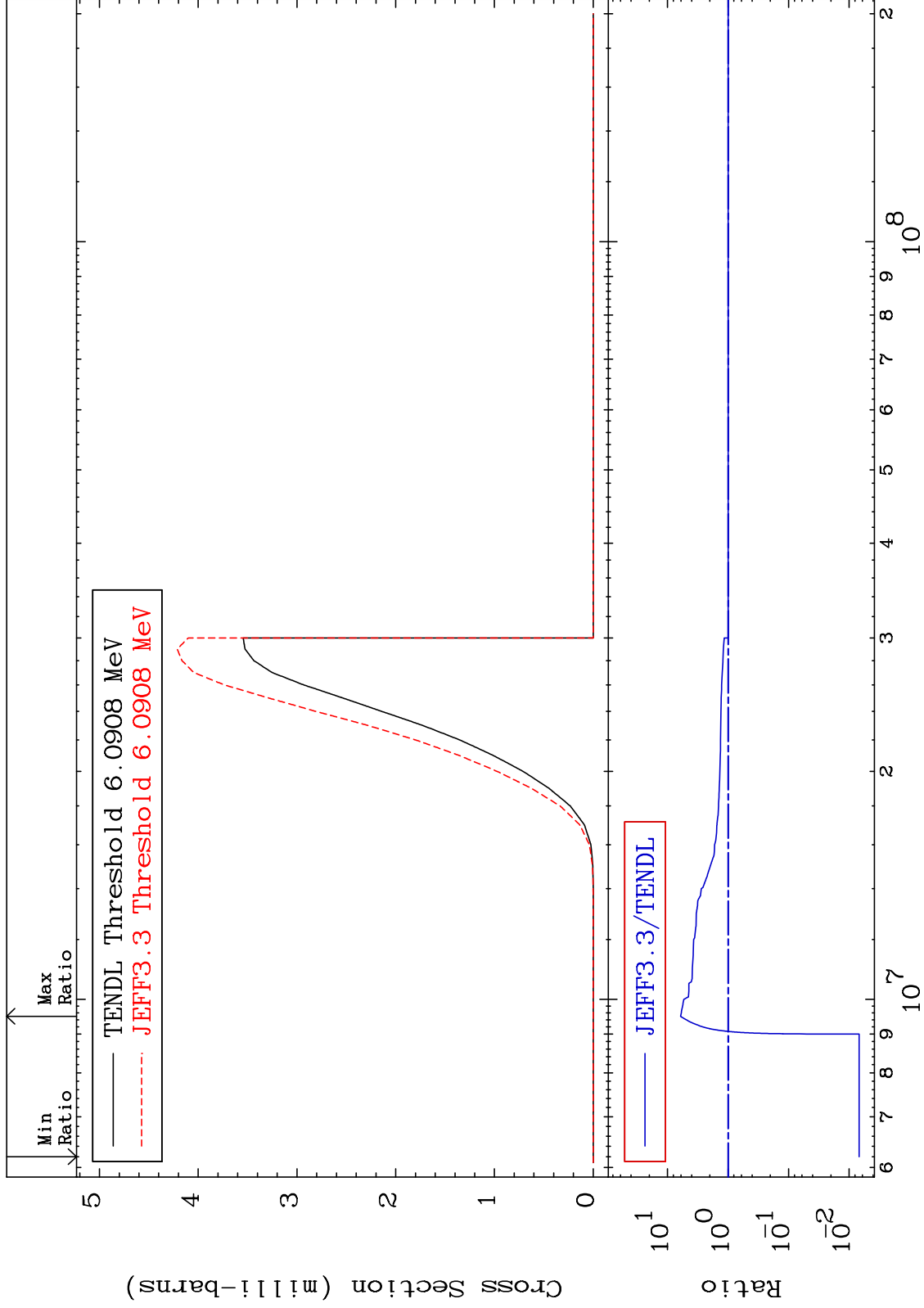
30-Zn-64

MAT 3025

(n,p) α :27-Co-60g

30-Zn-64

Radionuclide Production Cross Section -99.32 To 507.6 %



80

Incident Energy (eV)

30-Zn-64

MAT 3025

(n, p) α :27-Co-60m1

30-Zn-64

Radionuclide Production Cross Section 0.000 To 593.4 %

