

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

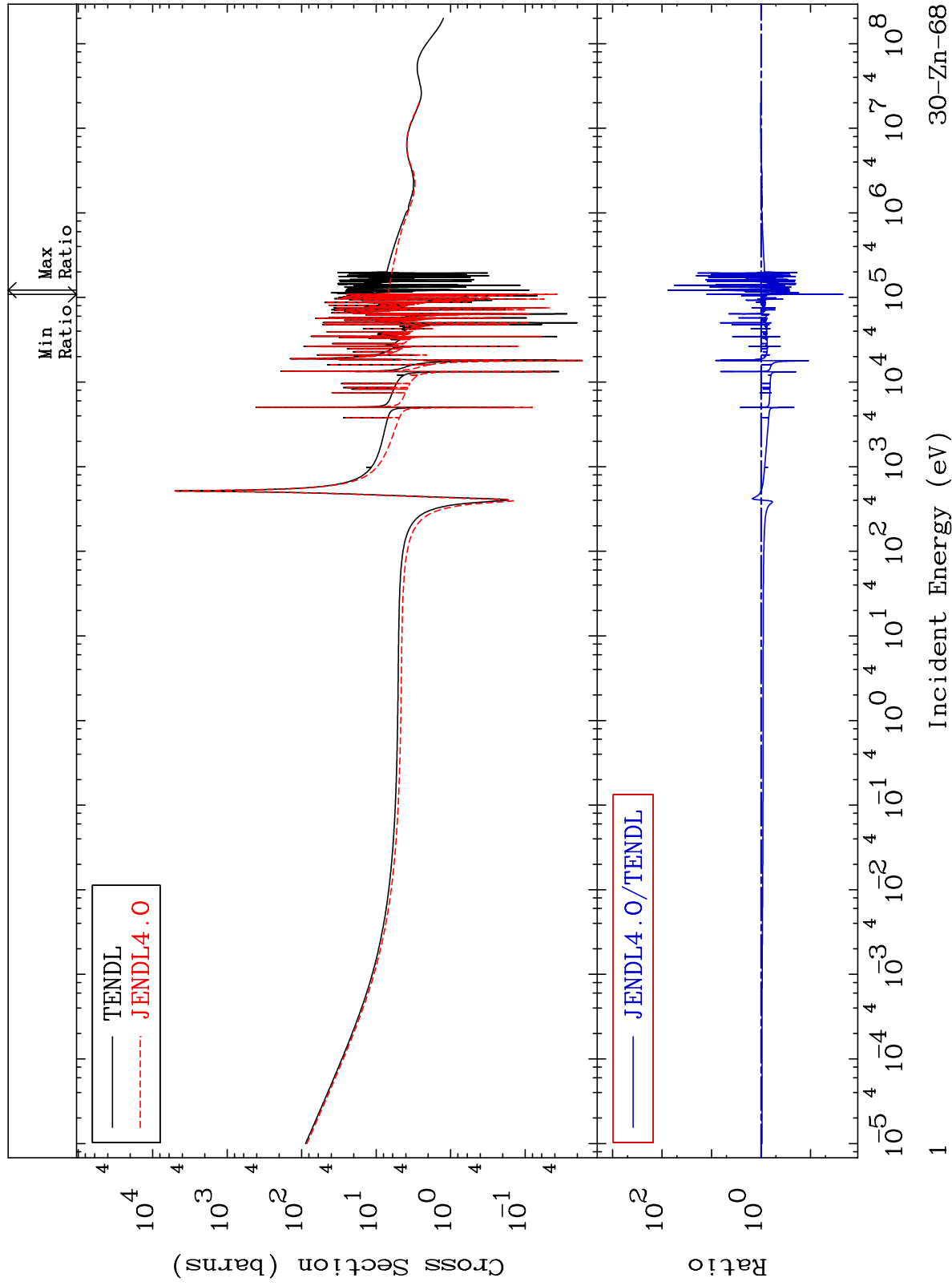
MAT 3037

Total

30-Zn-68

Cross Section

-97.78 To 7475. %



30-Zn-68

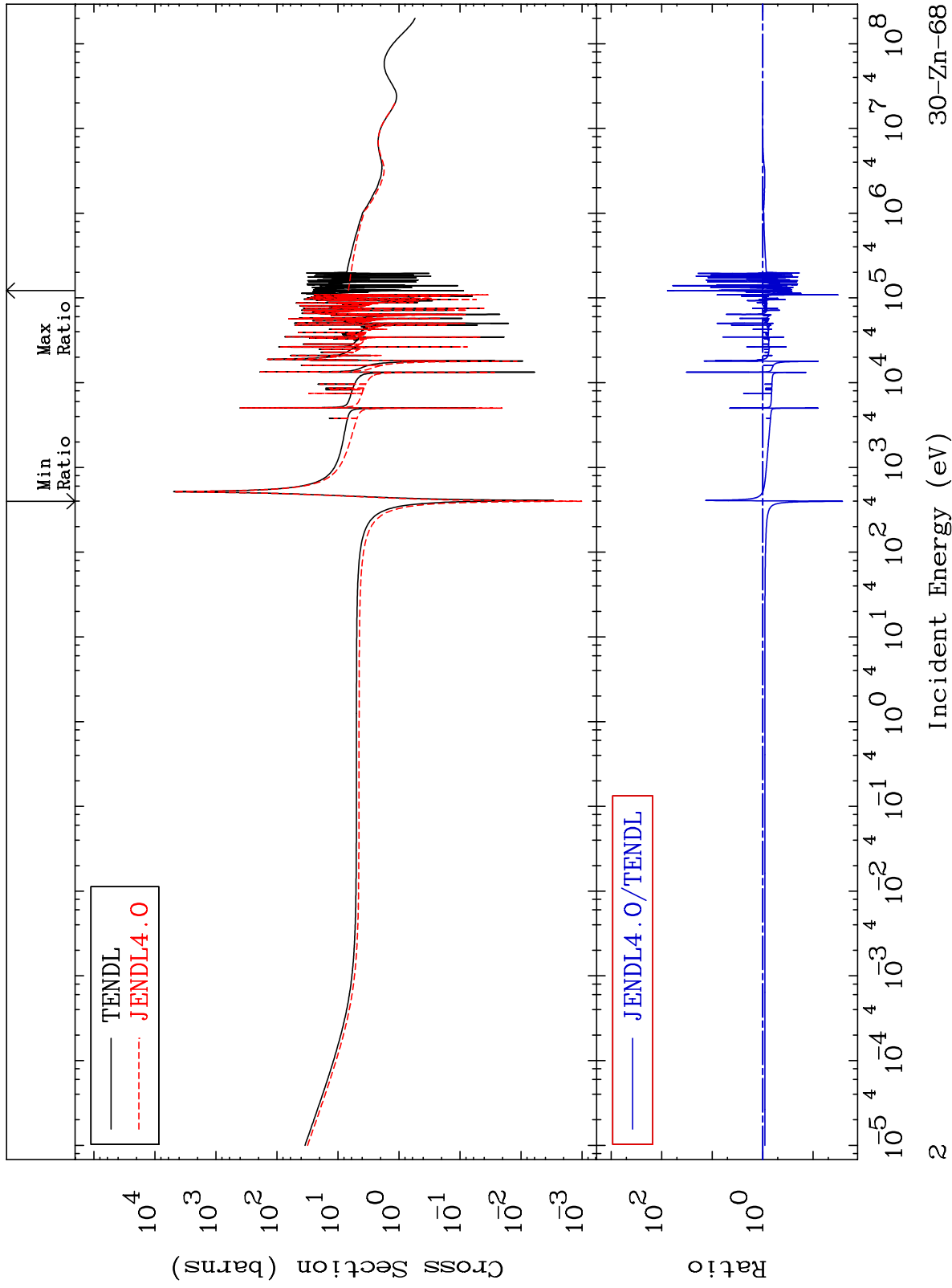
Incident Energy (eV)

1

MAT 3037

Elastic
Cross Section

30-Zn-68
-97.40 To 7564. %

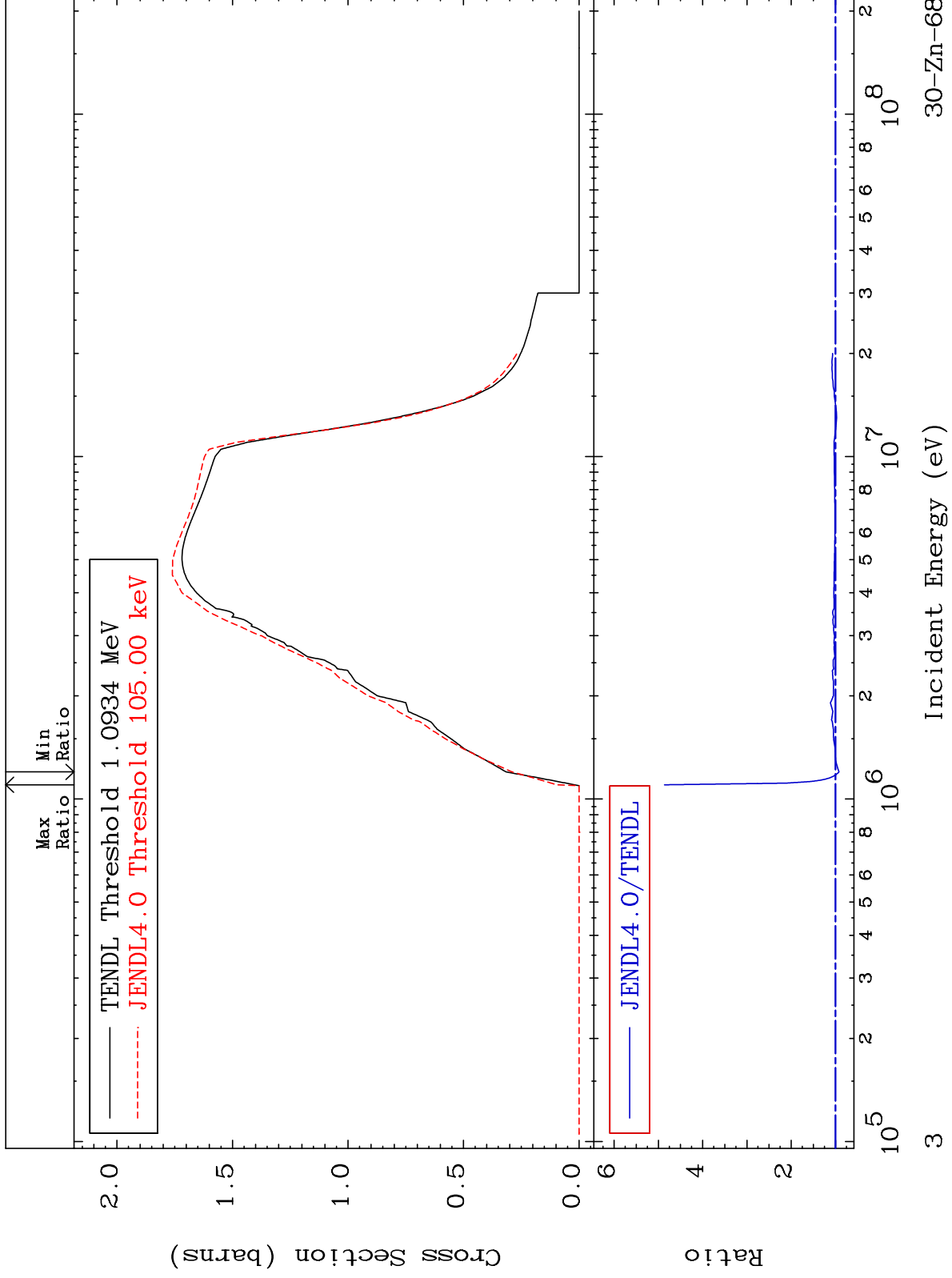


30-Zn-68

MAT 3037

Inelastic
Cross Section

30-Zn-68
-8.056 To 386.2 %



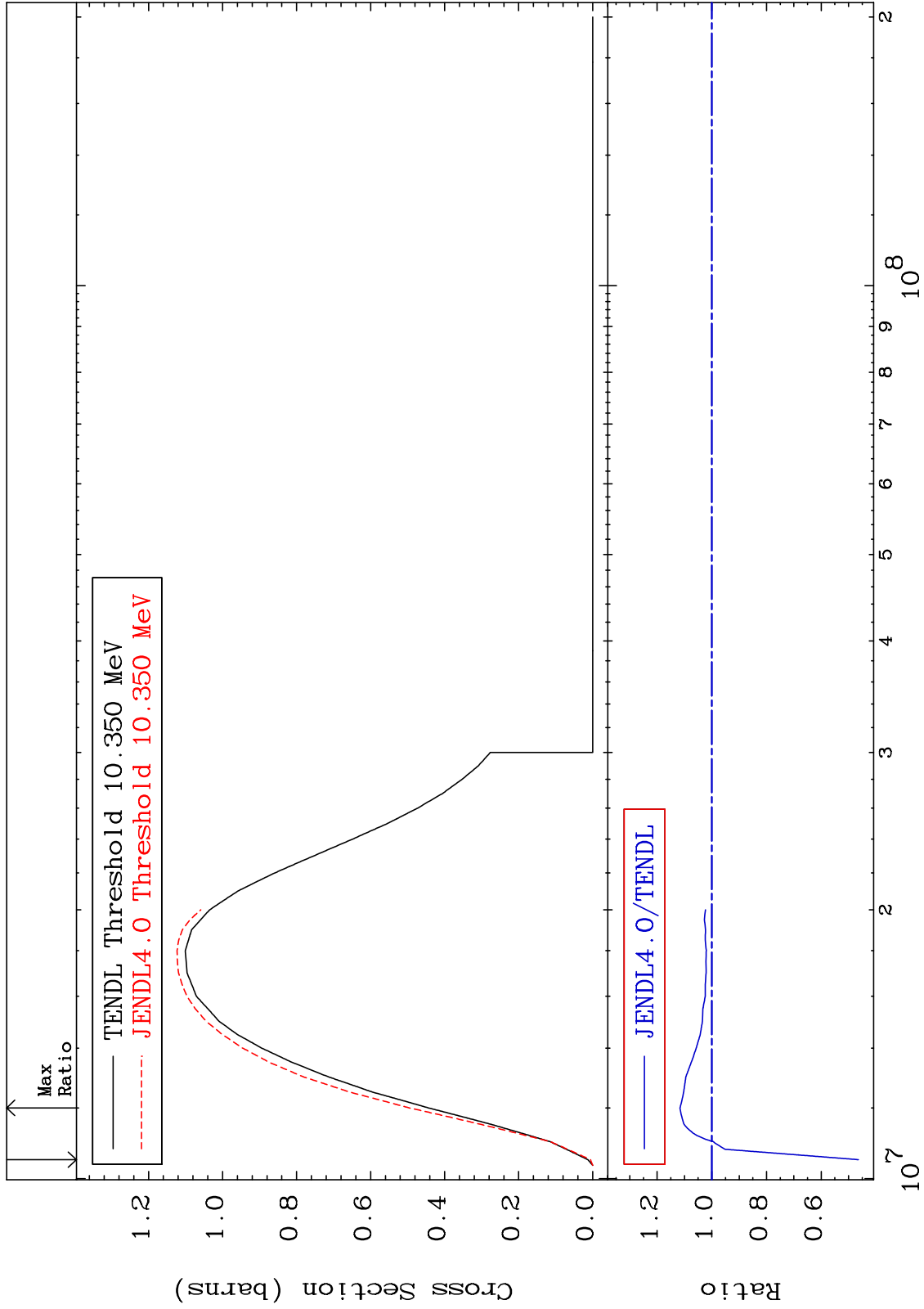
MAT 3037

(n,2n)

30-Zn-68

Cross Section

-53.59 To 11.62 %



30-Zn-68

30-Zn-68

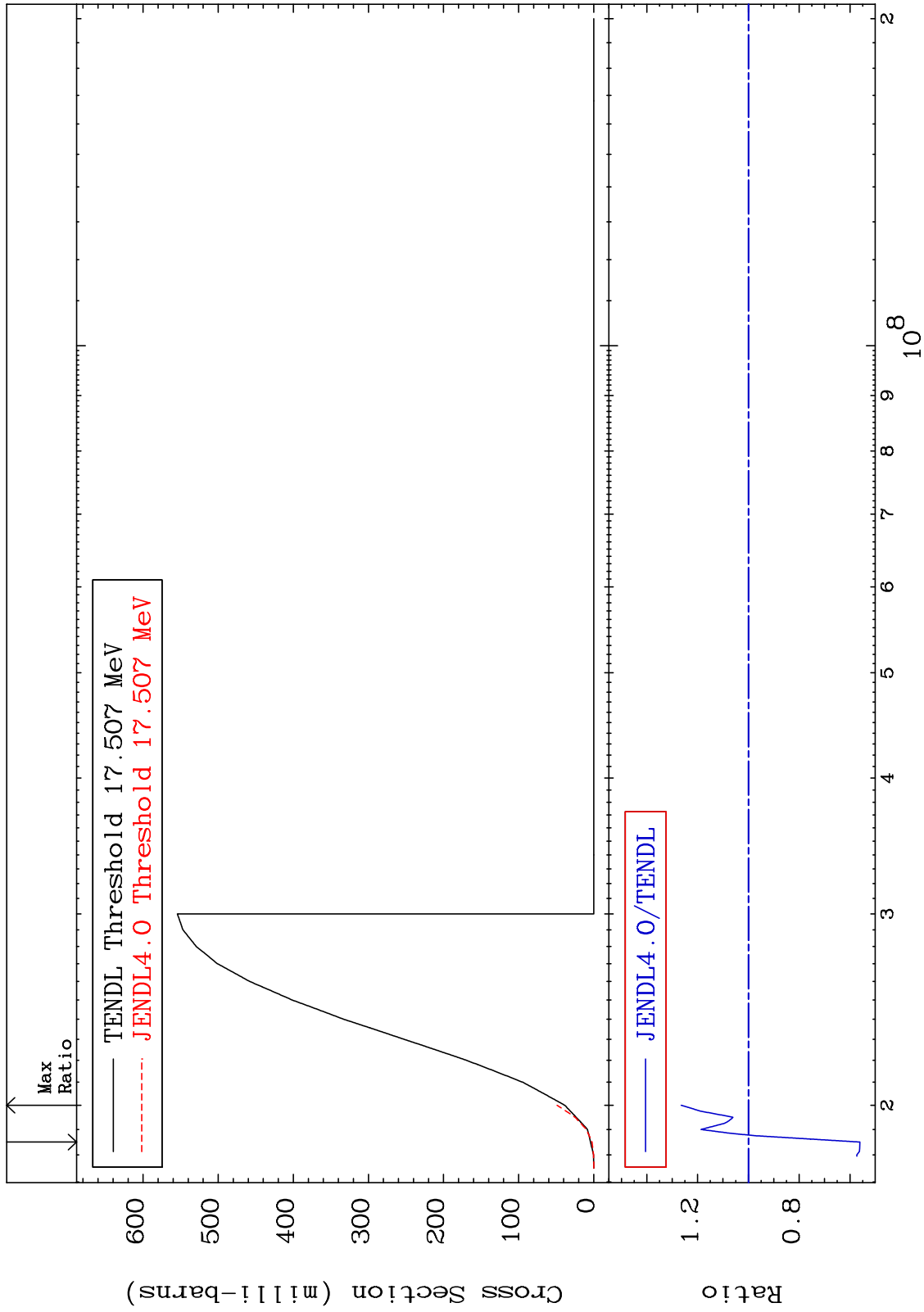
MAT 3037

(n,3n)

30-Zn-68

Cross Section

-43.92 To 26.44 %



5

Incident Energy (eV)

30-Zn-68

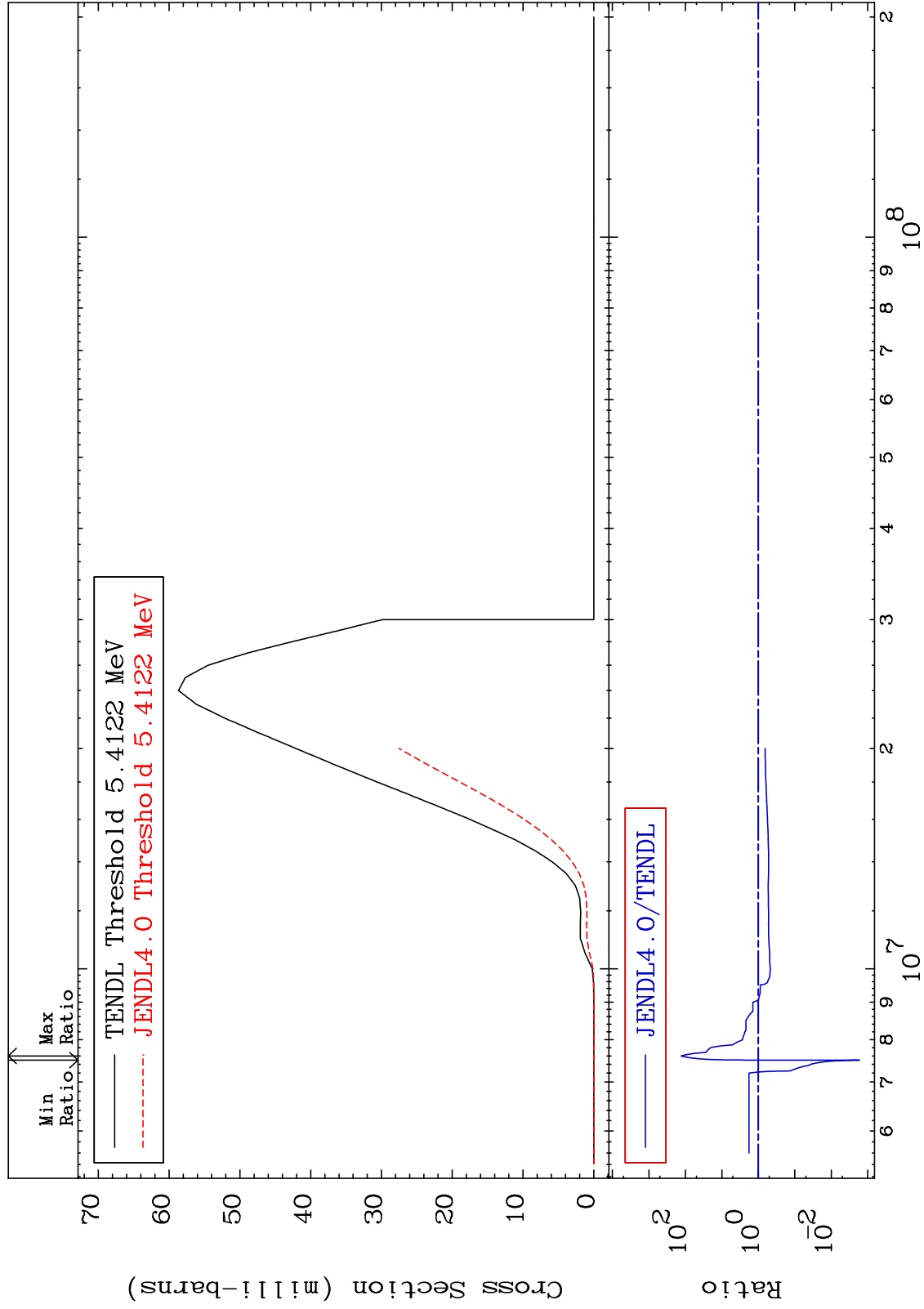
MAT 3037

(n,n') α

30-Zn-68

Cross Section

-99.83 To 9999. %



6

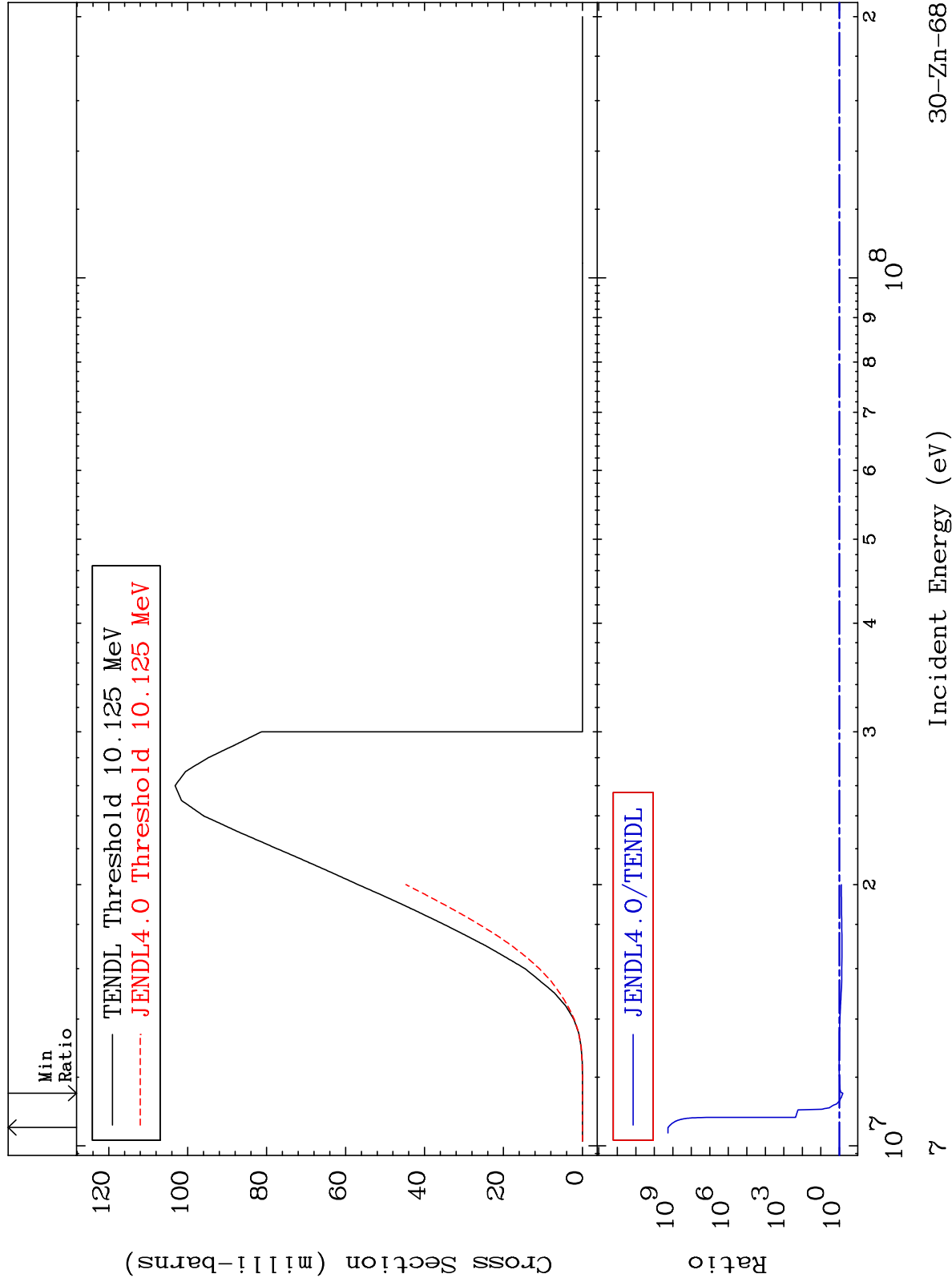
Incident Energy (eV)

30-Zn-68

MAT 3037

(n,n') p
Cross Section

30-Zn-68
-35.05 To 9999. %



30-Zn-68

Incident Energy (eV)

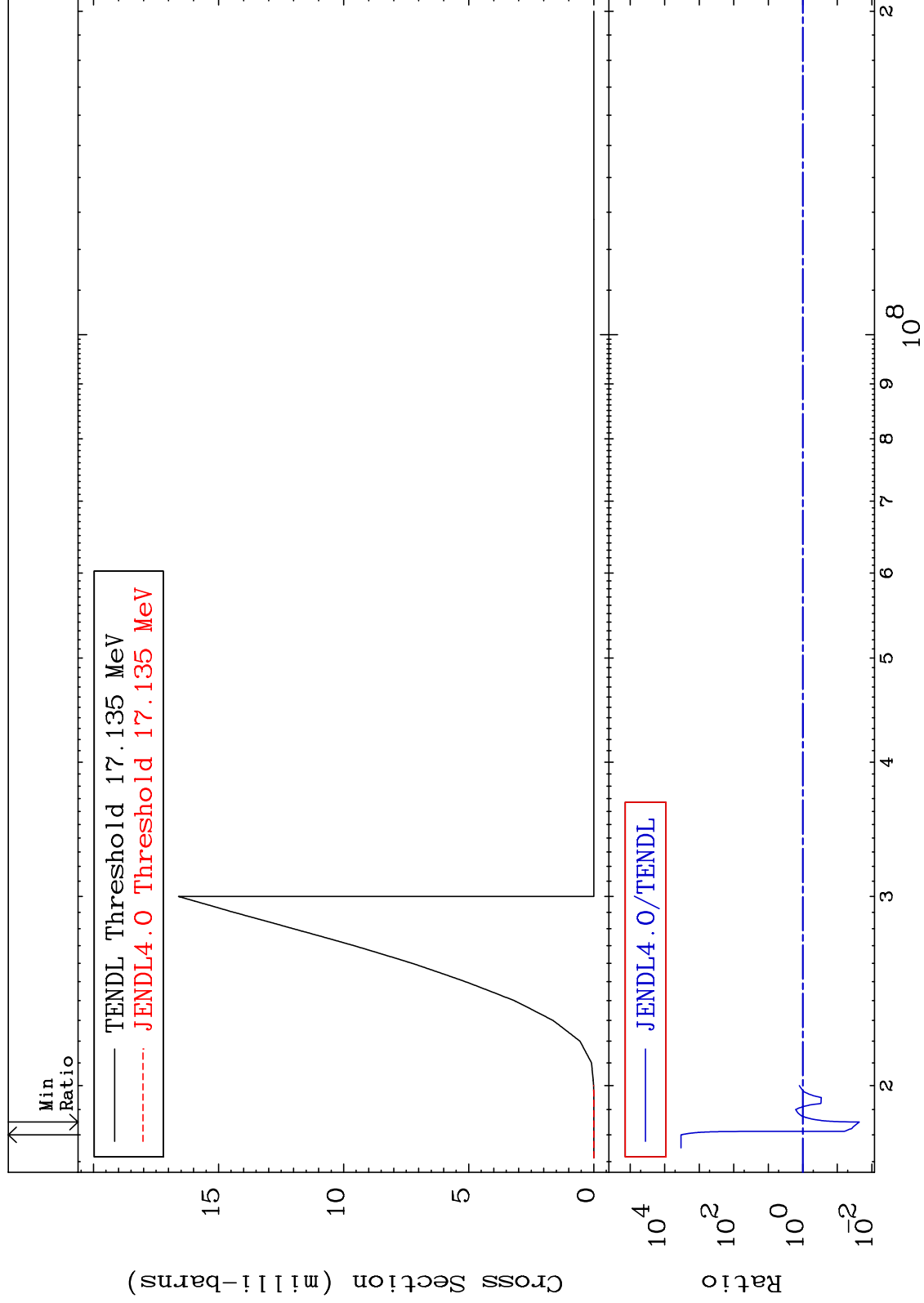
MAT 3037

(n,n') d

30-Zn-68

Cross Section

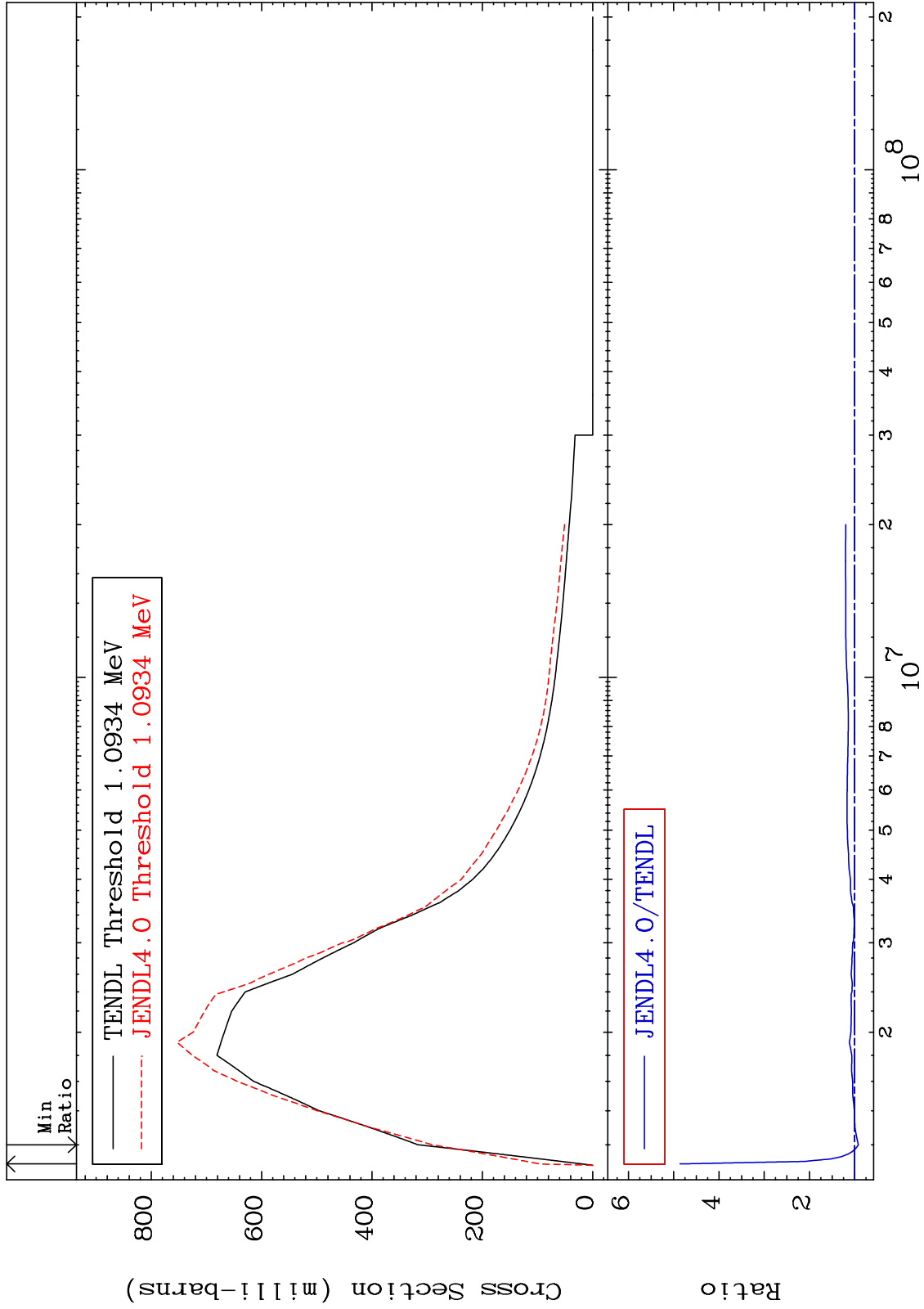
-97.69 To 9999. %



MAT 3037

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

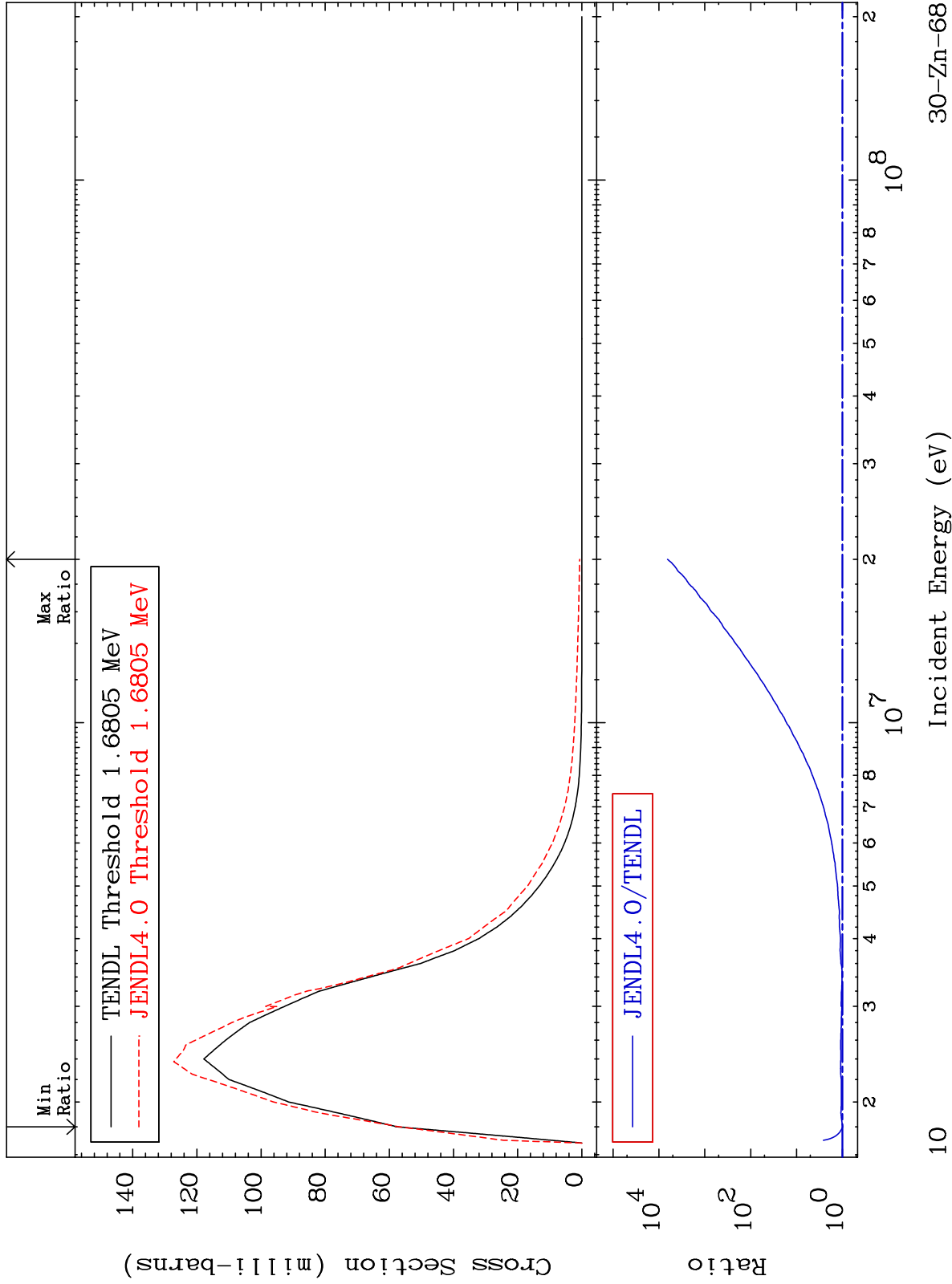
30-Zn-68
-8.065 To 386.0 %



MAT 3037

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

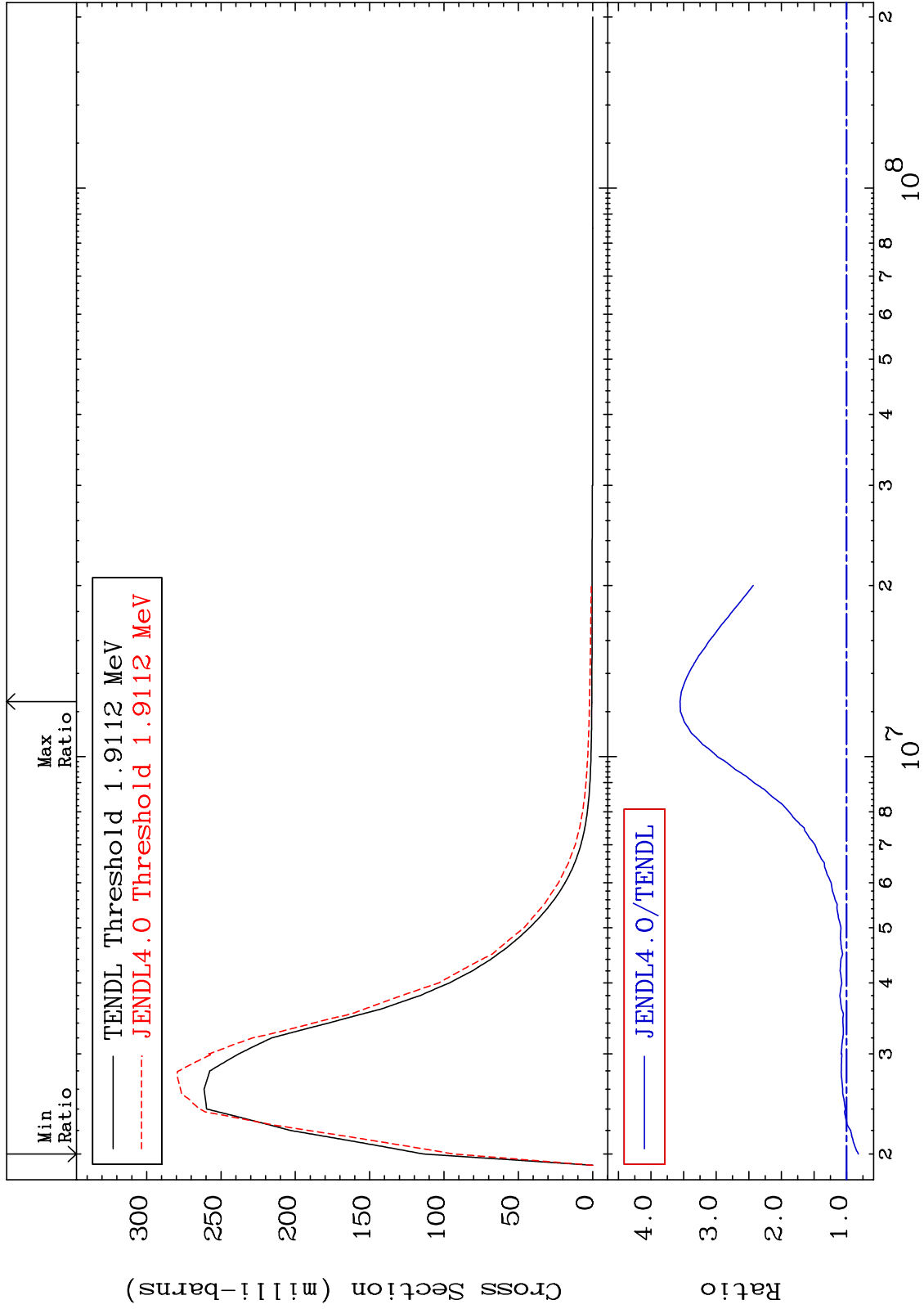
30-Zn-68
-1.345 To 9999. %



MAT 3037

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

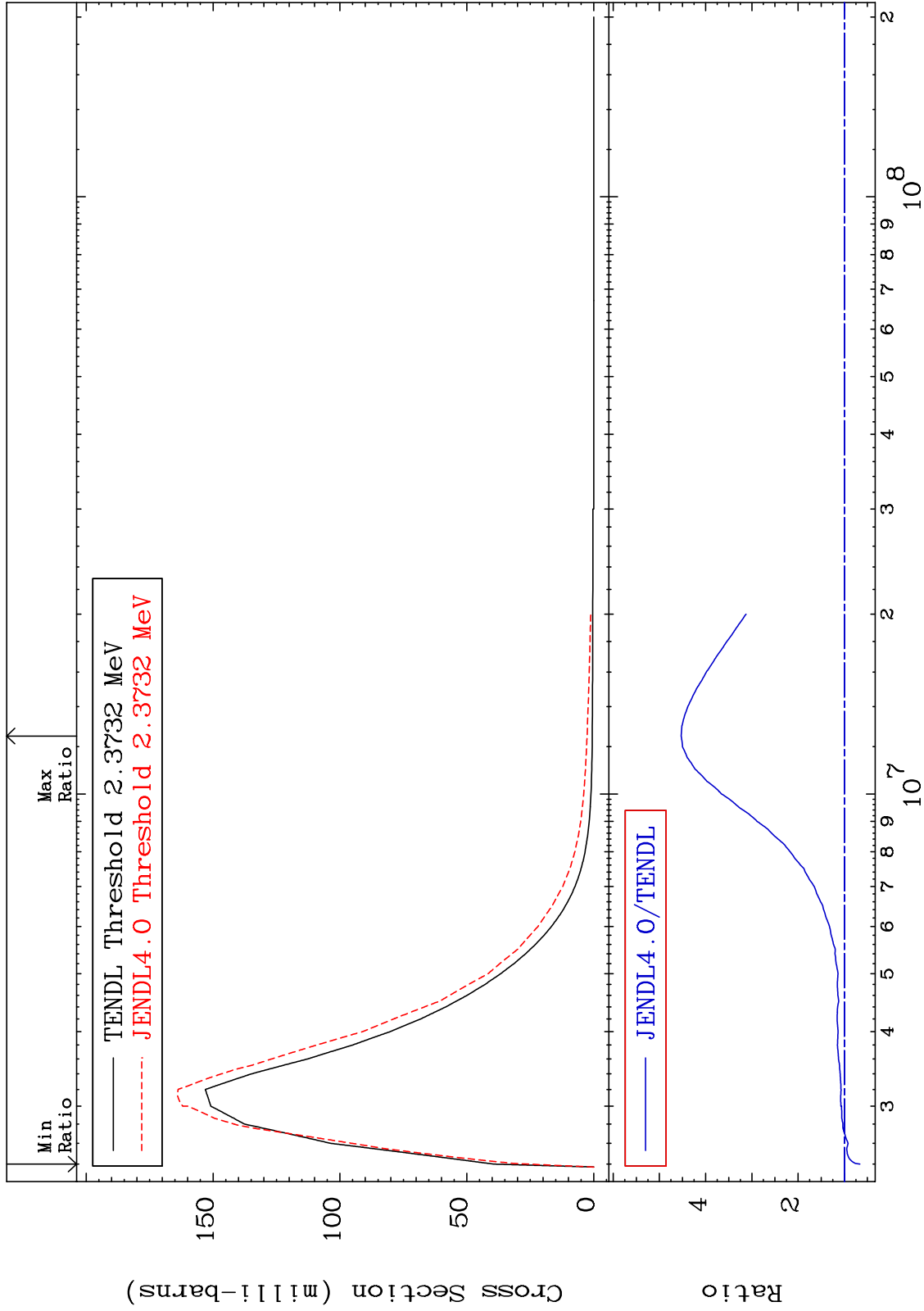
30-Zn-68
-18.03 To 255.5 %



MAT 3037

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

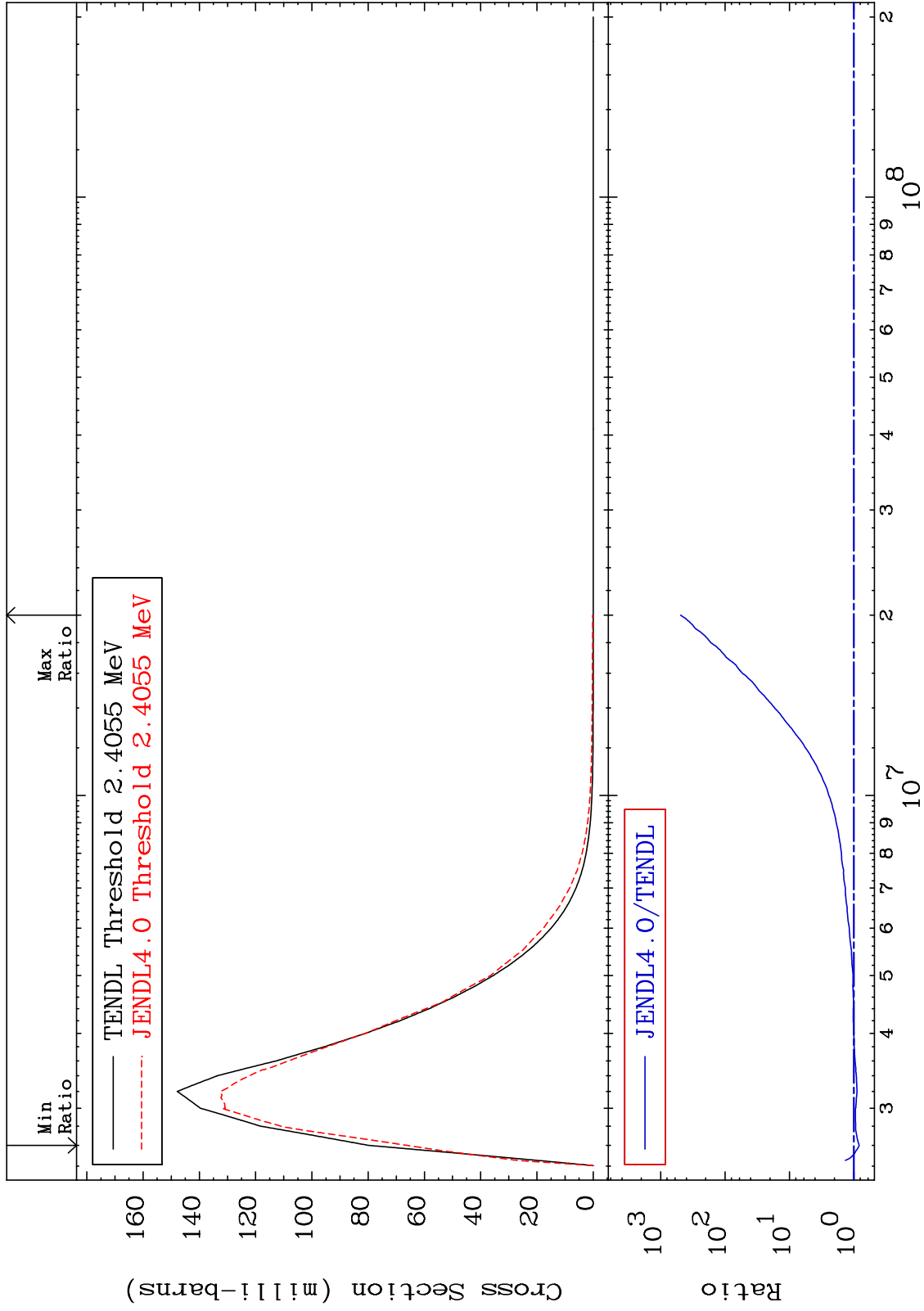
30-Zn-68
-33.83 To 352.8 %



MAT 3037

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

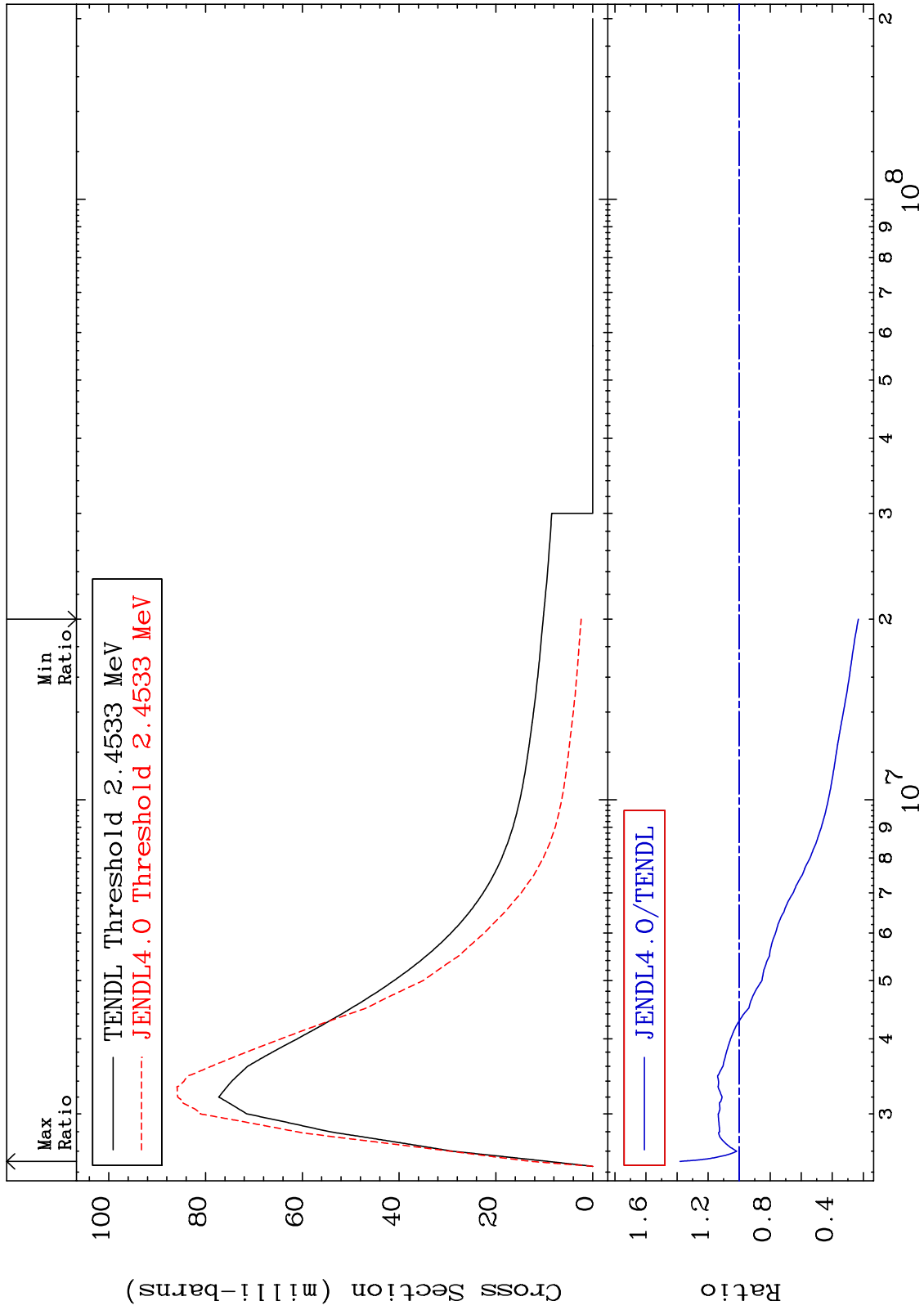
30-Zn-68
-17.20 To 9999. %



MAT 3037

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

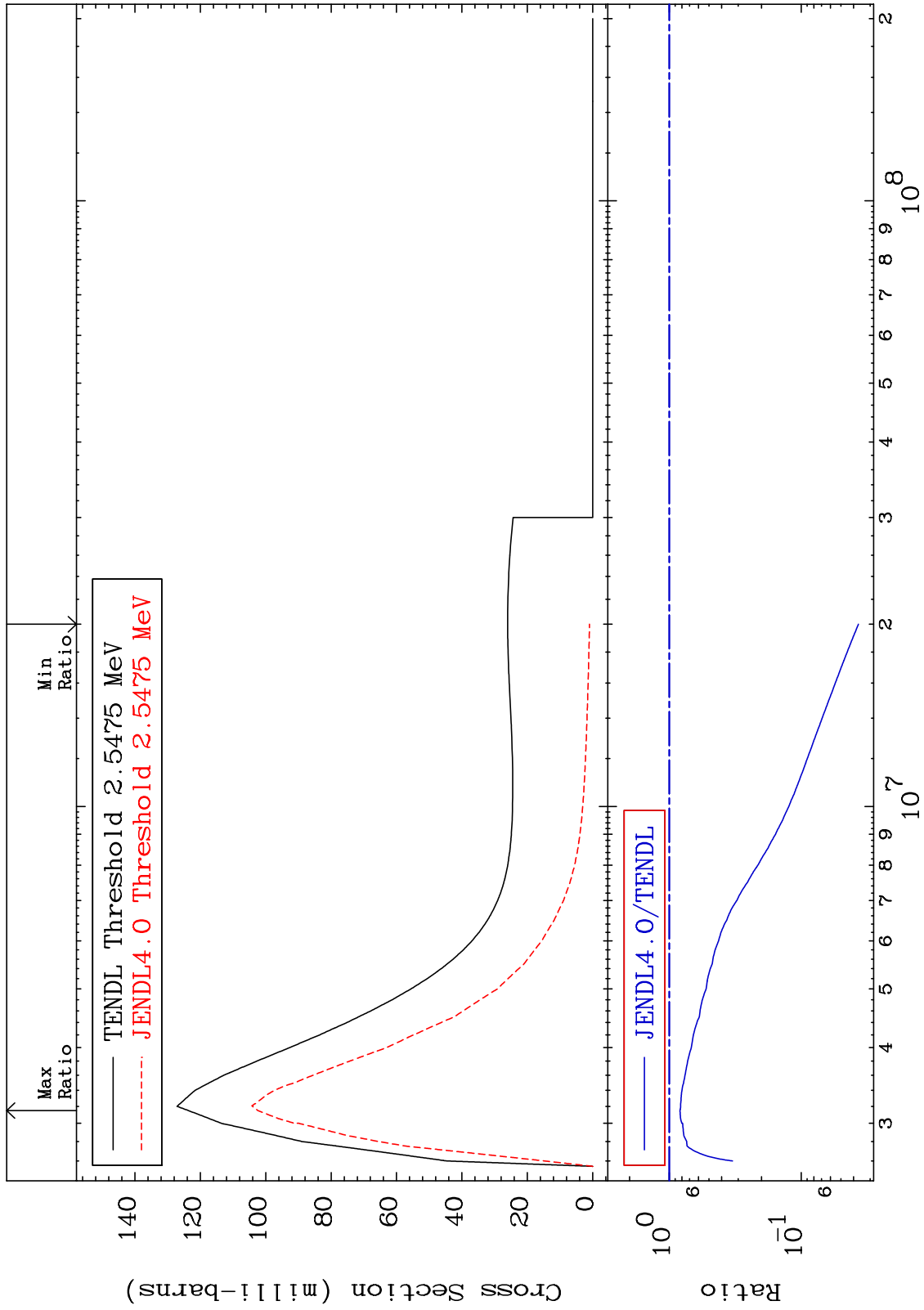
30-Zn-68
-76.84 To 38.09 %



MAT 3037

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

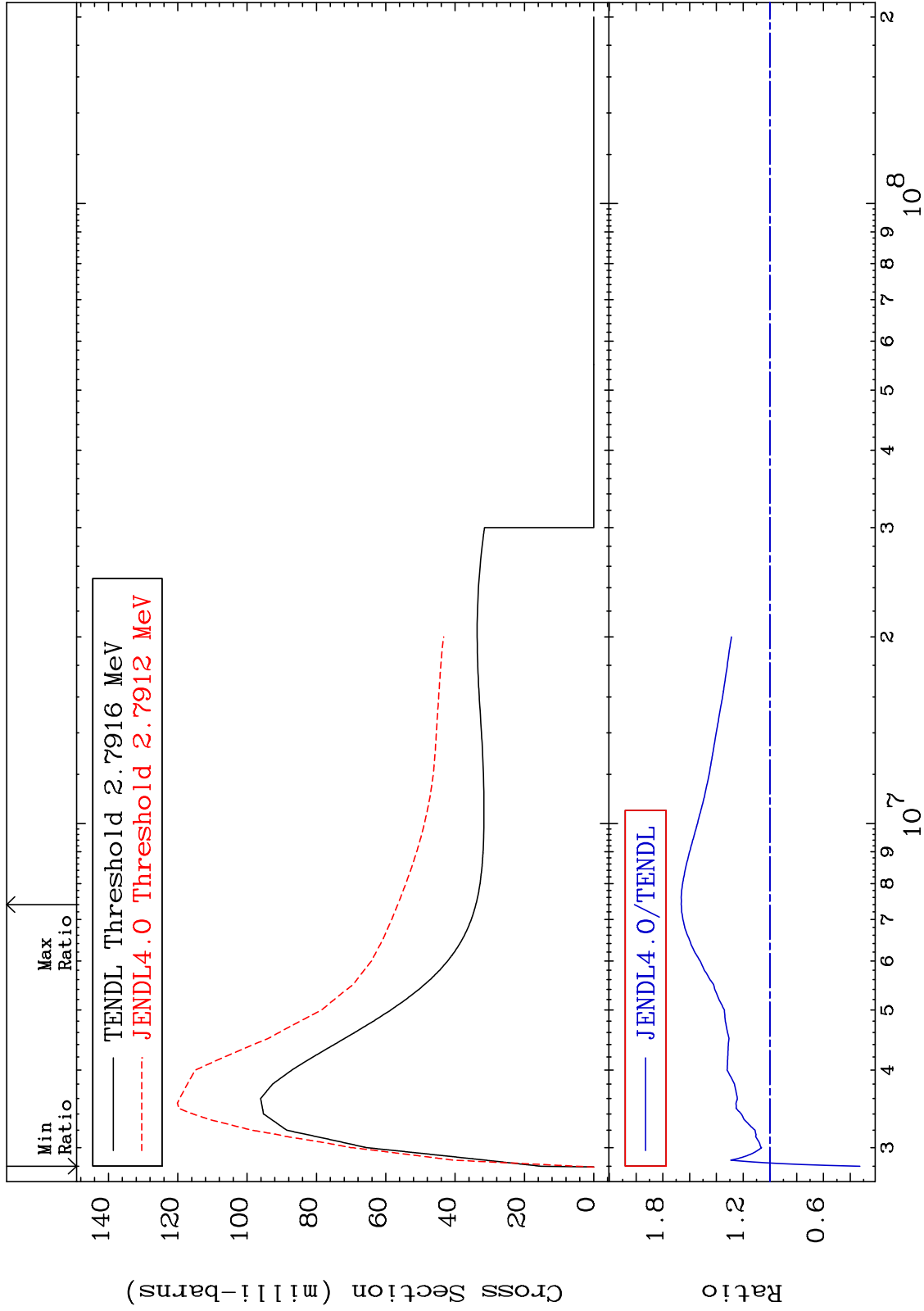
30-Zn-68
-96.32 To -17.20%



MAT 3037

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

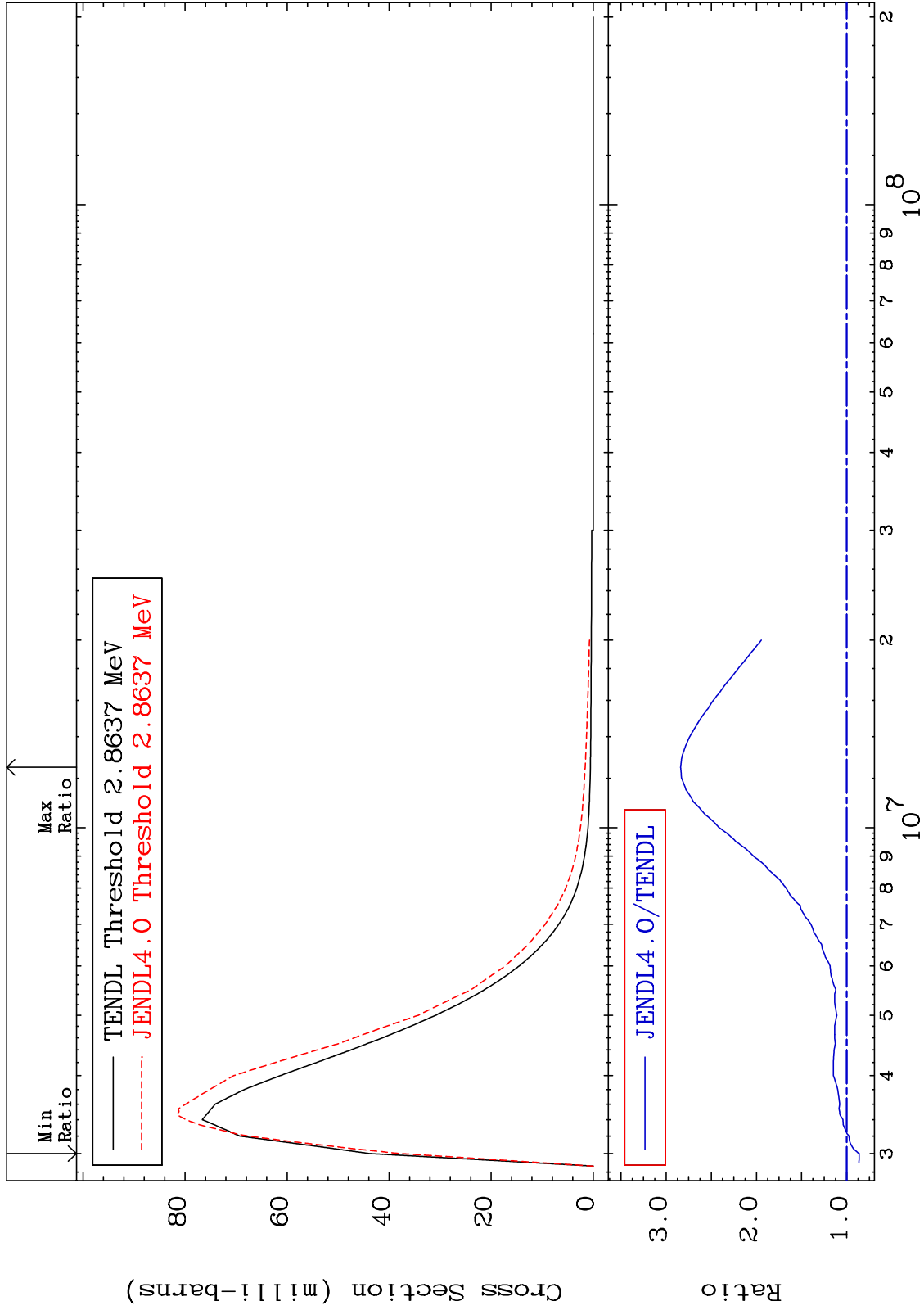
30-Zn-68
-67.21 To 66.28 %



MAT 3037

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

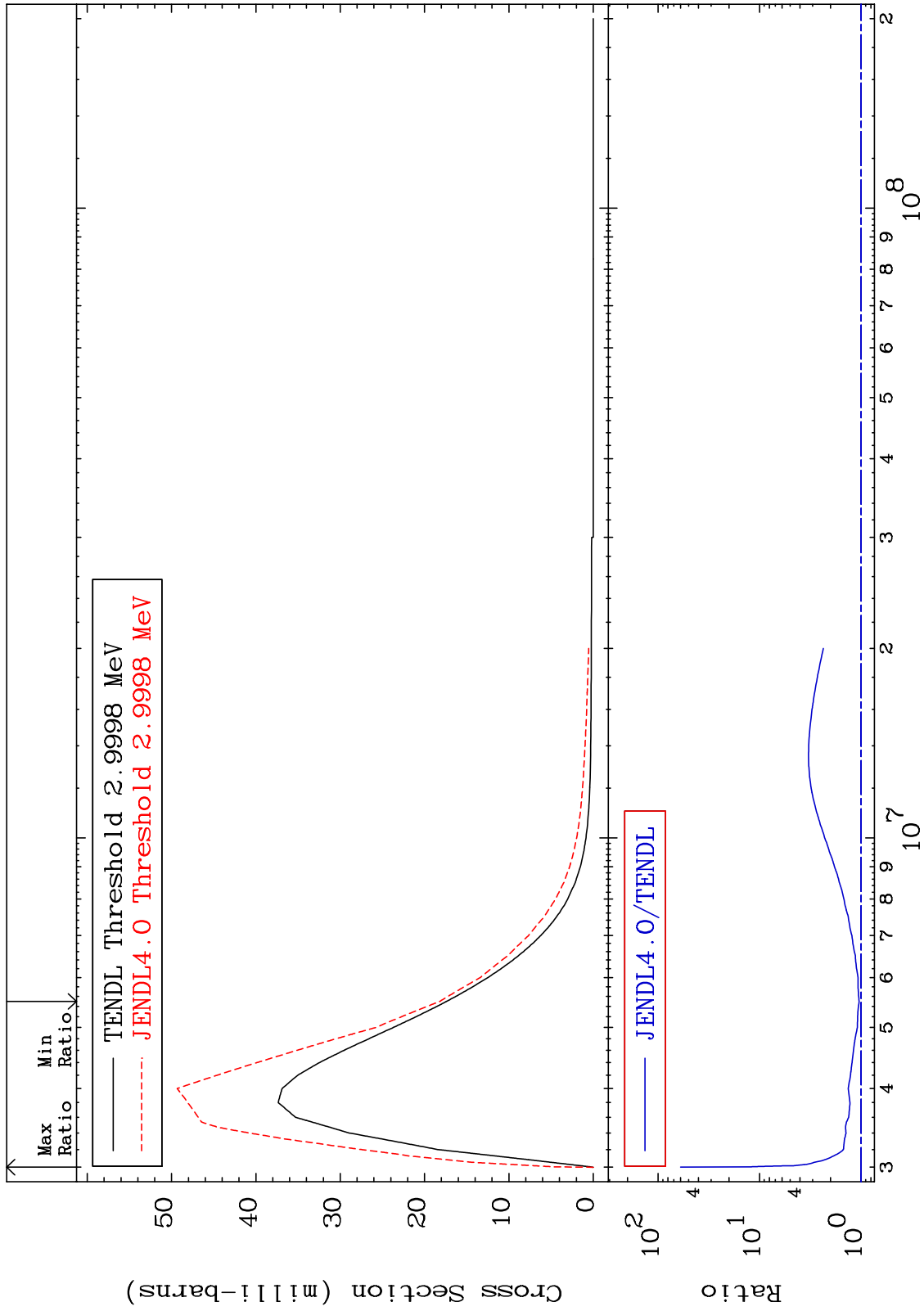
30-Zn-68
-13.74 To 183.9 %



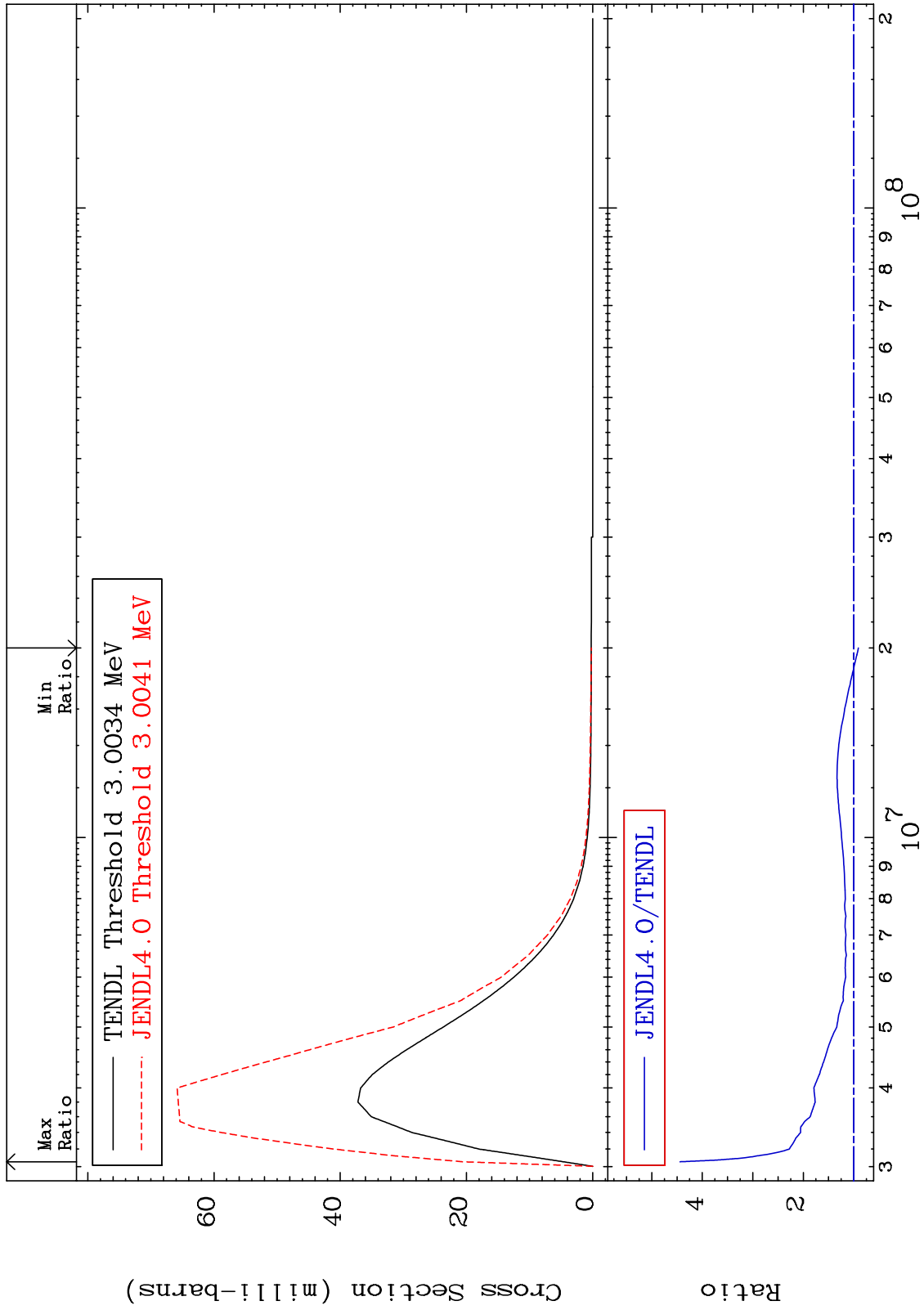
MAT 3037

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

30-Zn-68
4.522 To 5903. %



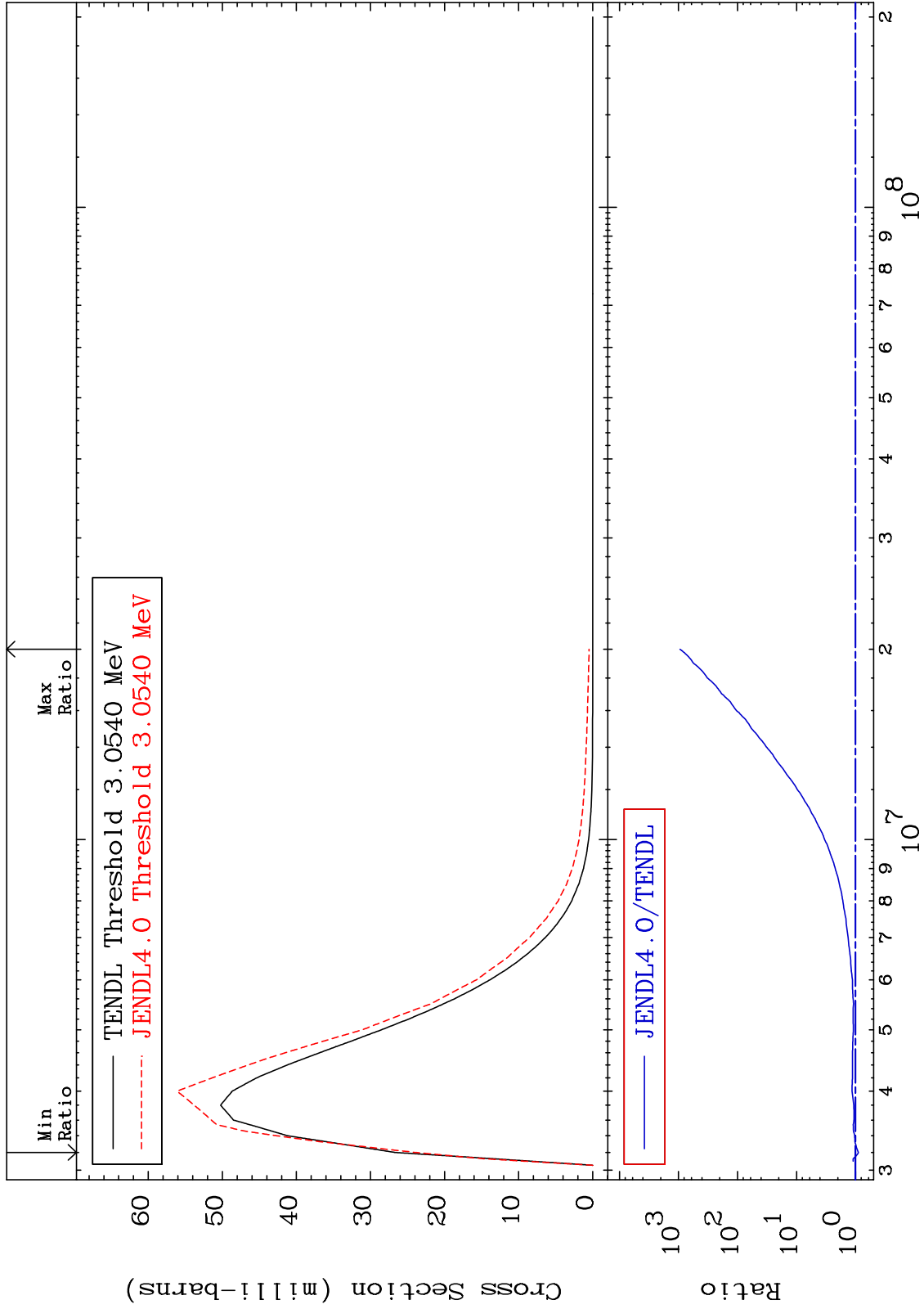
MAT 3037 MT= 61 (n,n') Level 30-Zn-68
 Cross Section -9.108 To 344.1 %



MAT 3037

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

30-Zn-68
-10.44 To 9999. %



20

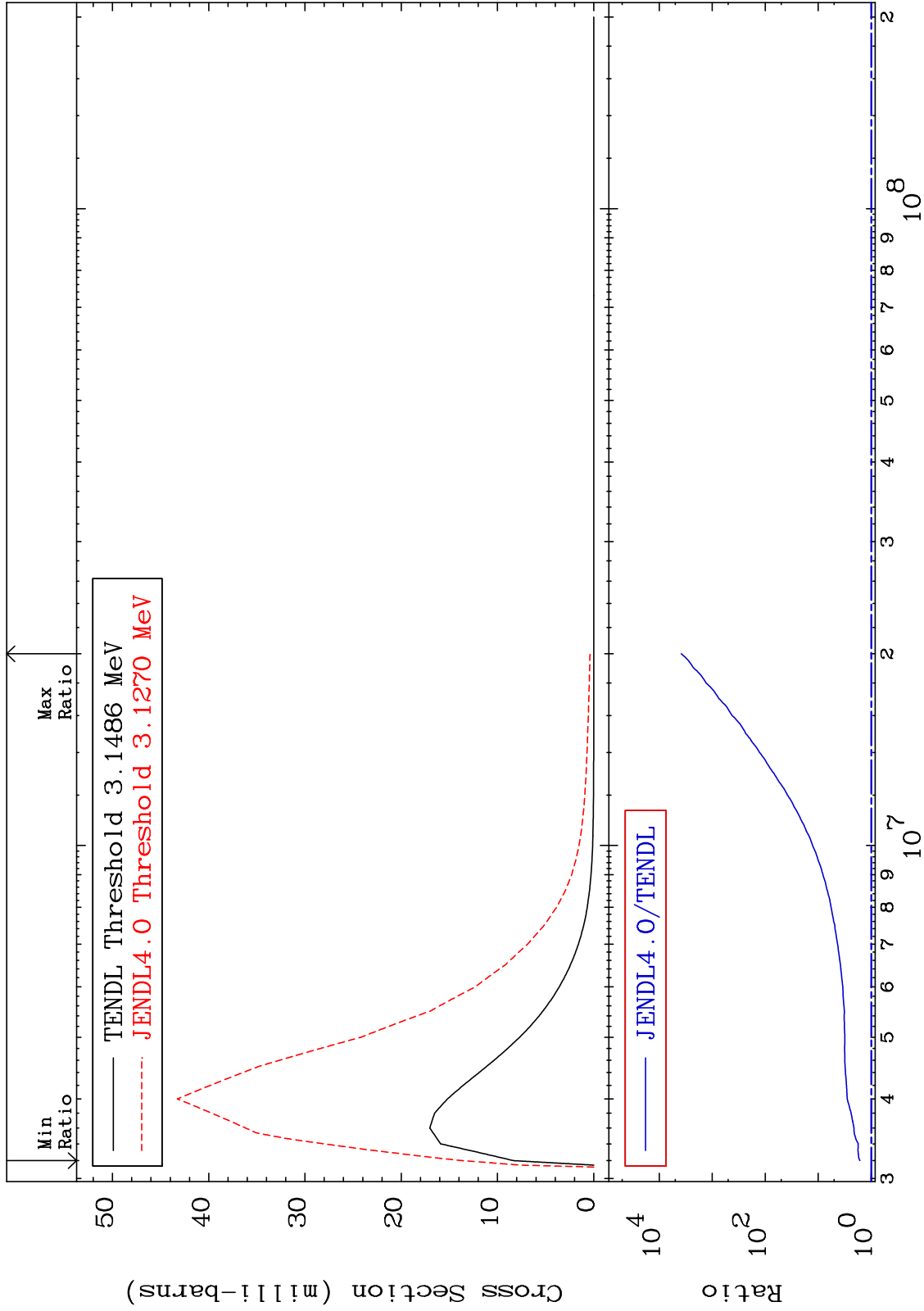
Incident Energy (eV)

30-Zn-68

MAT 3037

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

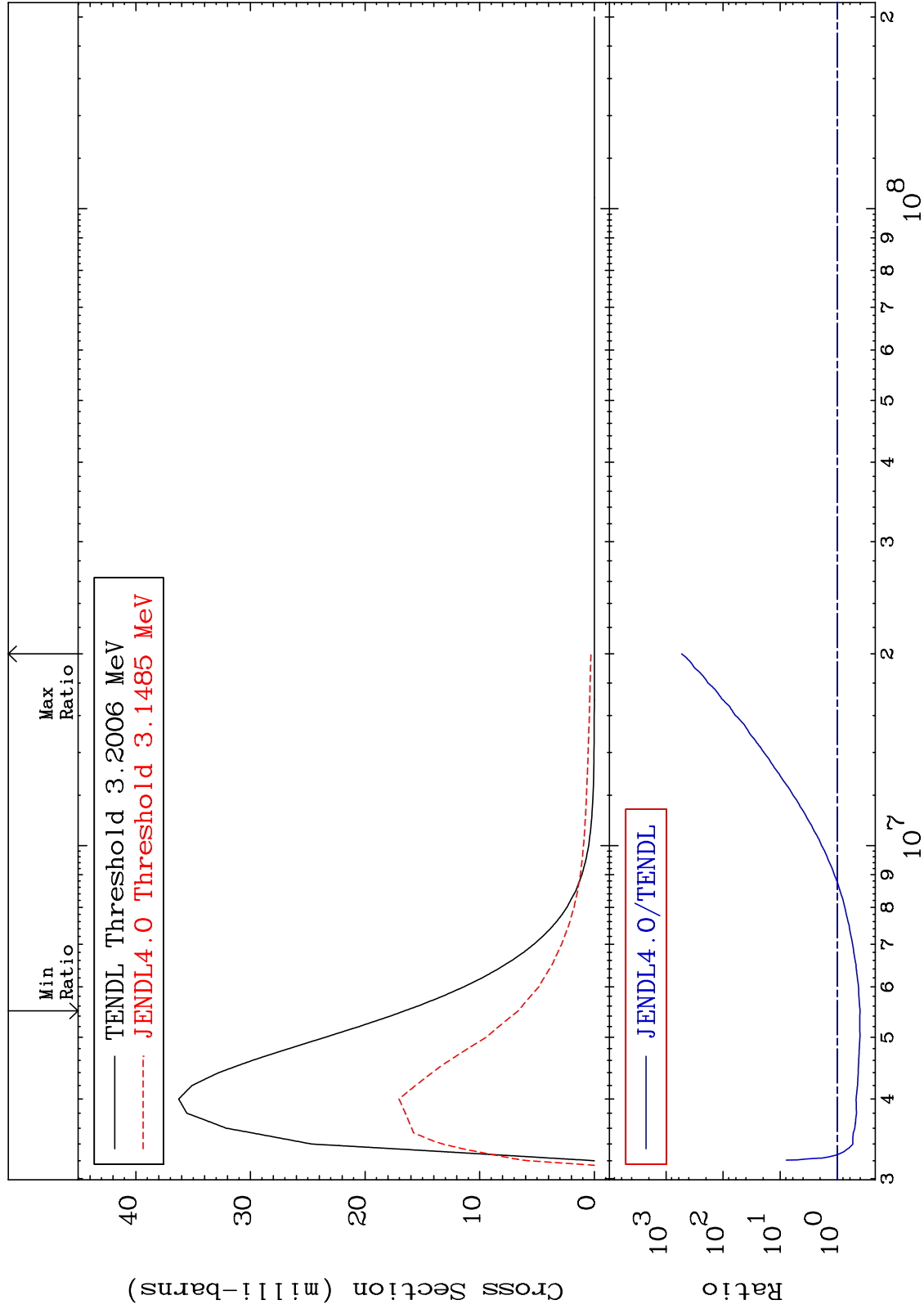
63.54 To 9999. %
30-Zn-68



MAT 3037

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

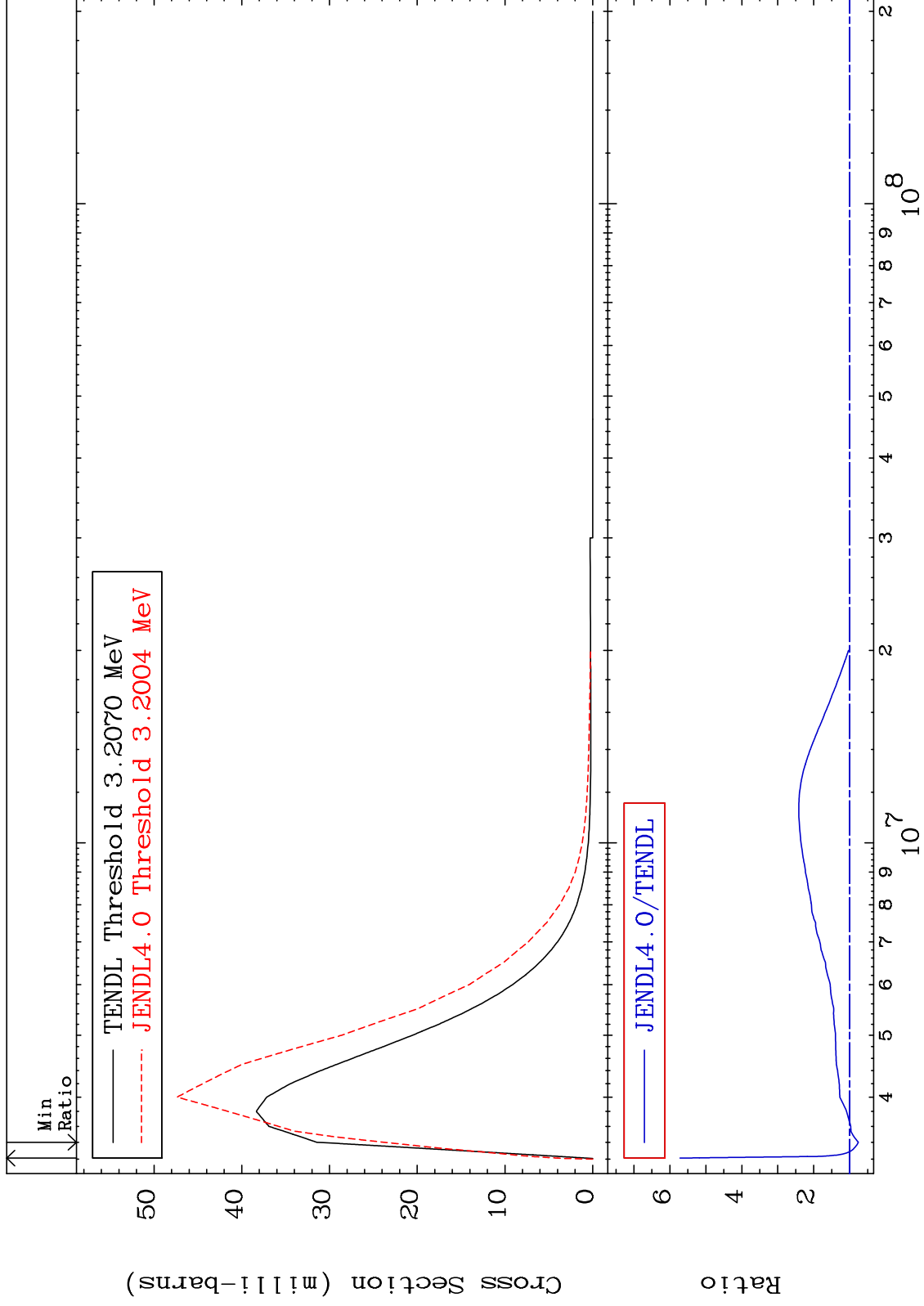
30-Zn-68
-59.88 To 9999. %



MAT 3037

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

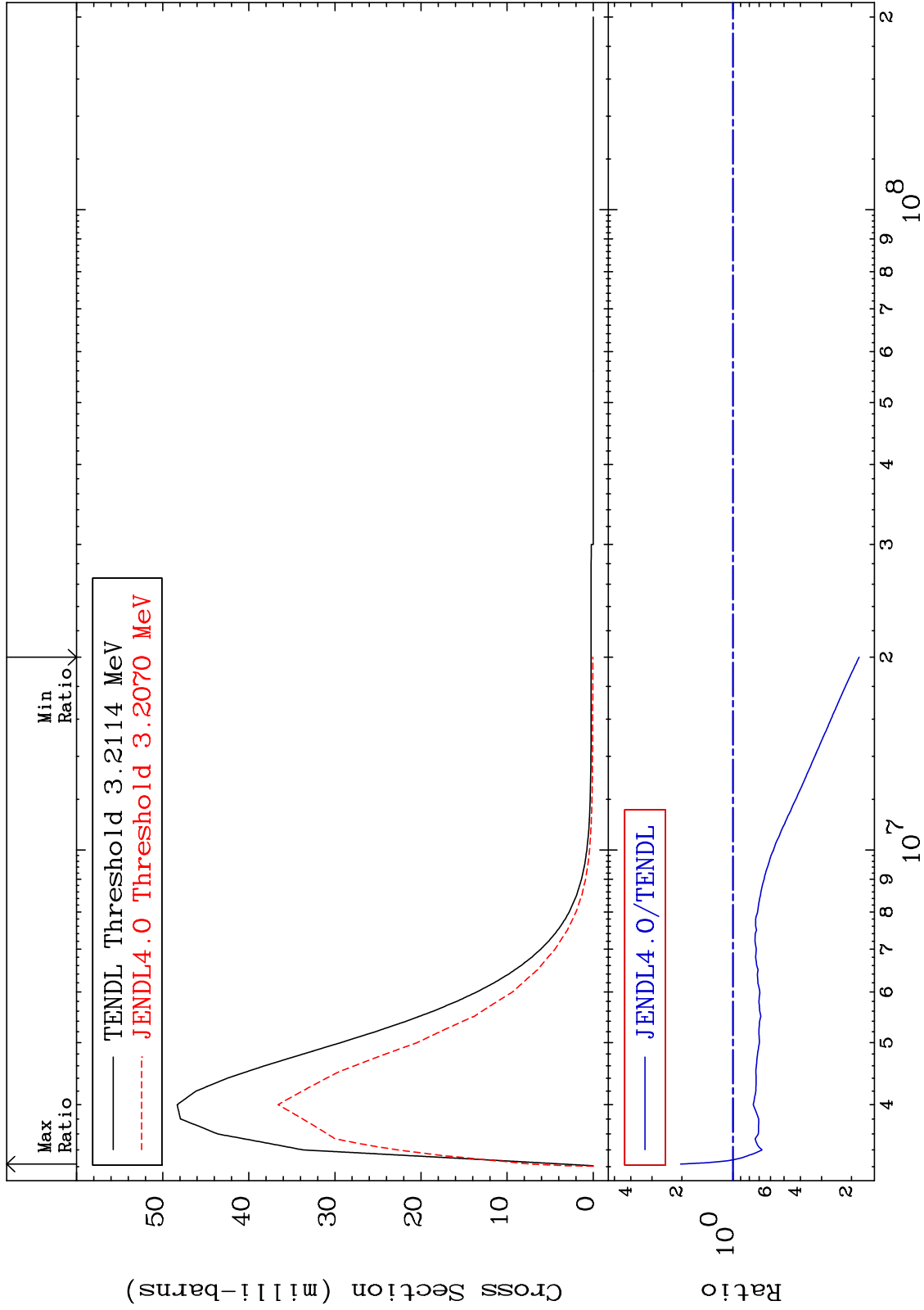
30-Zn-68
-24.29 To 471.8 %



MAT 3037

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

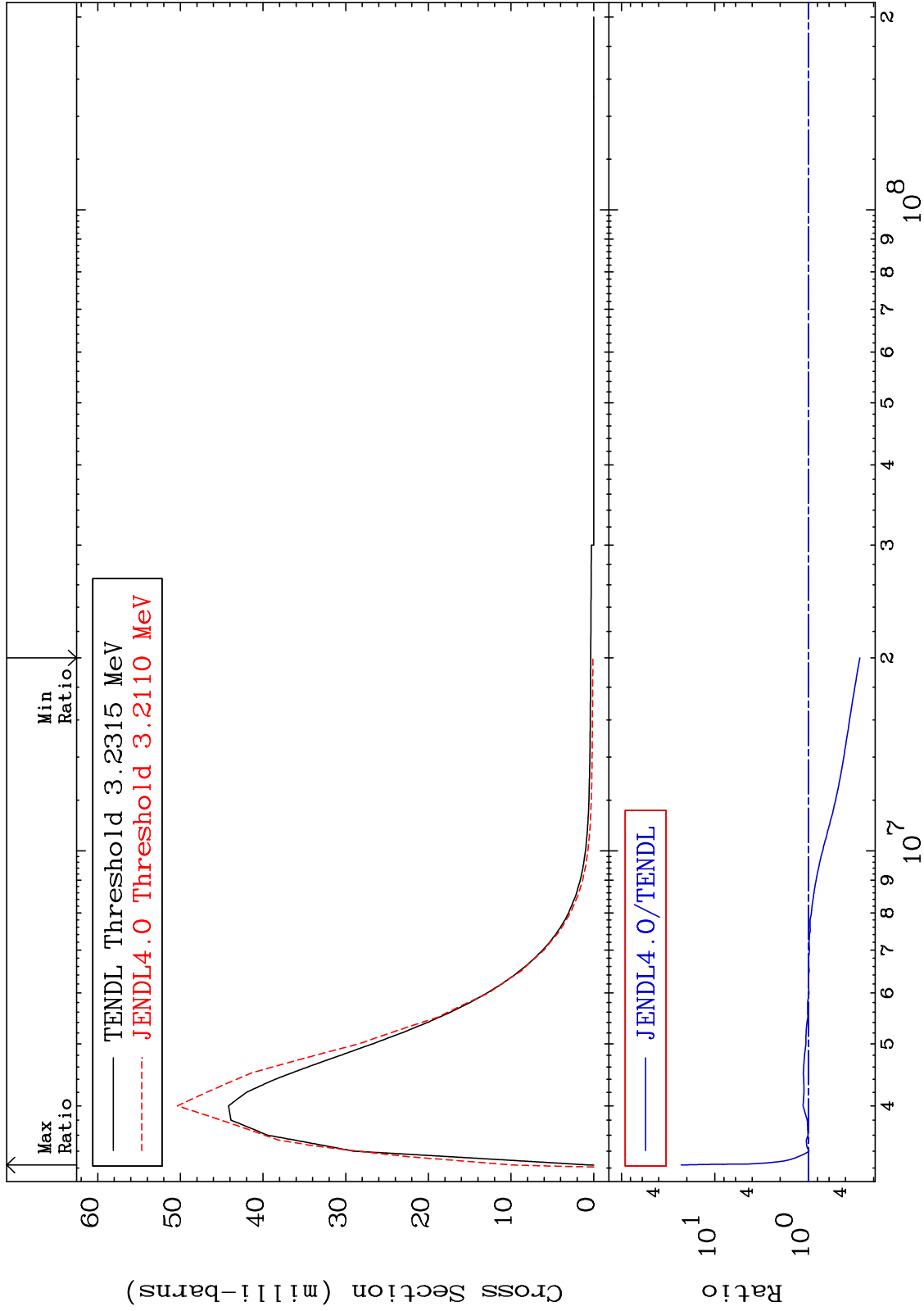
30-Zn-68
-81.99 To 103.3 %



MAT 3037

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

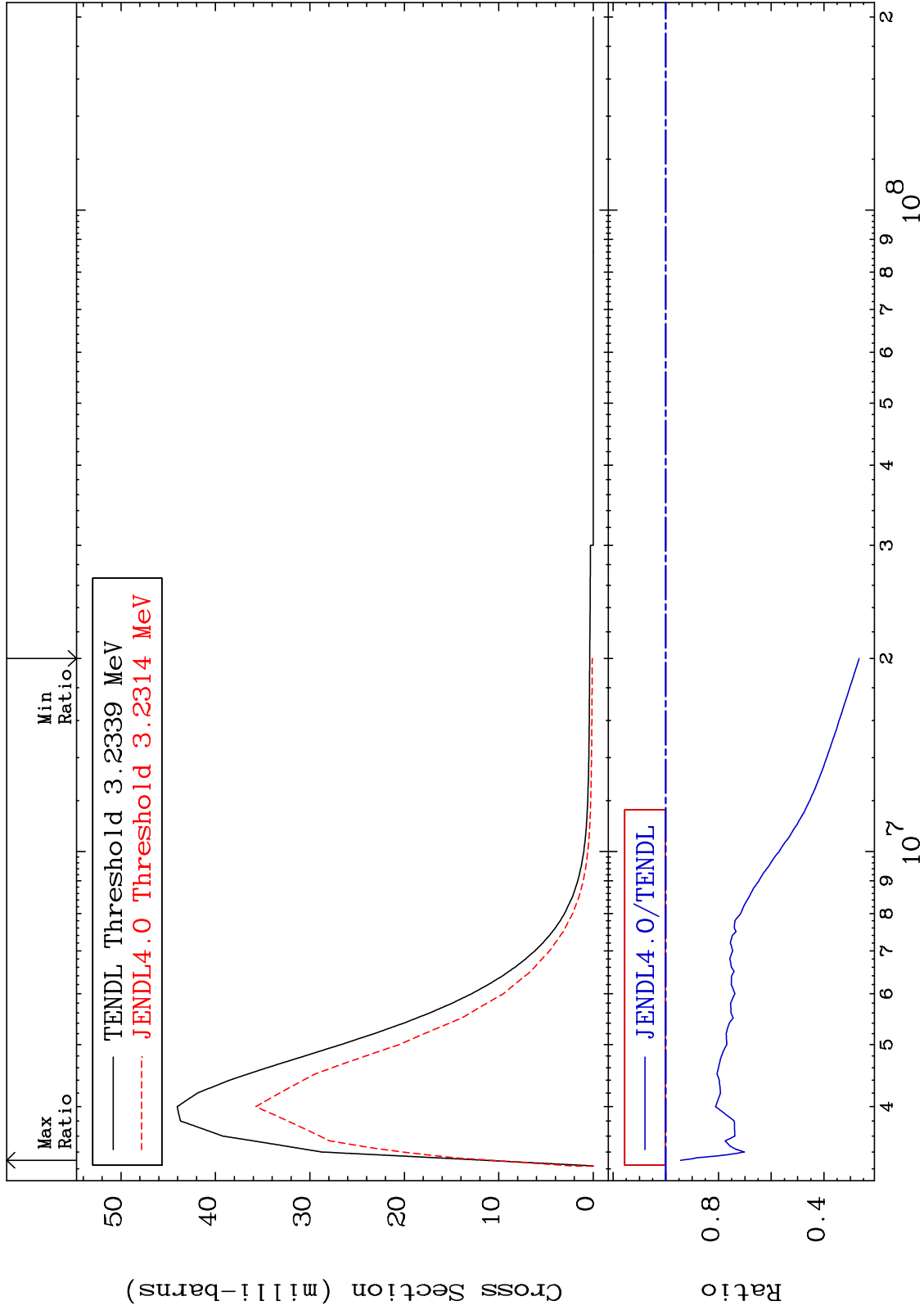
30-Zn-68
-71.92 To 2192. %



MAT 3037

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

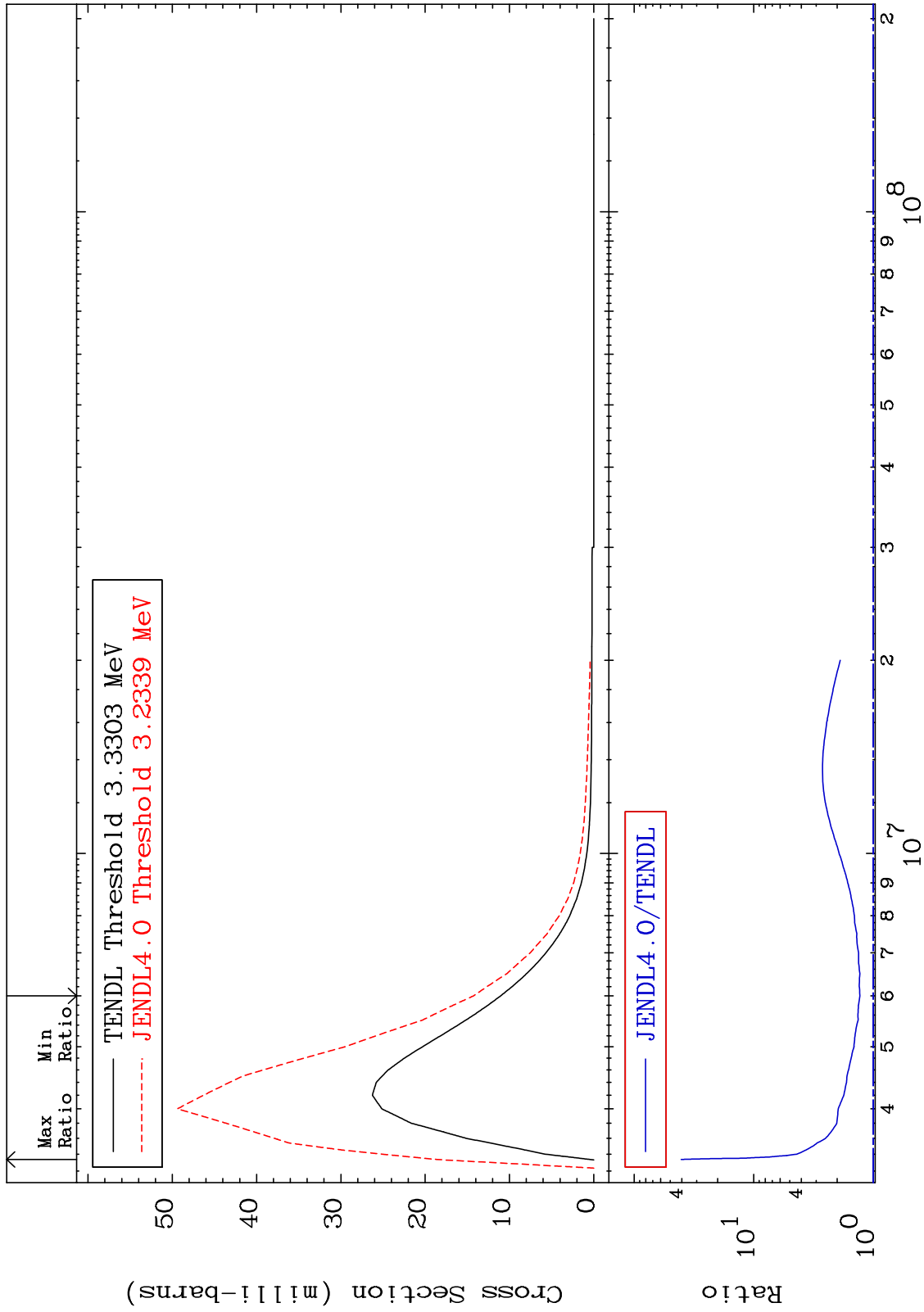
30-Zn-68
-73.36 To -5.629%



MAT 3037

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

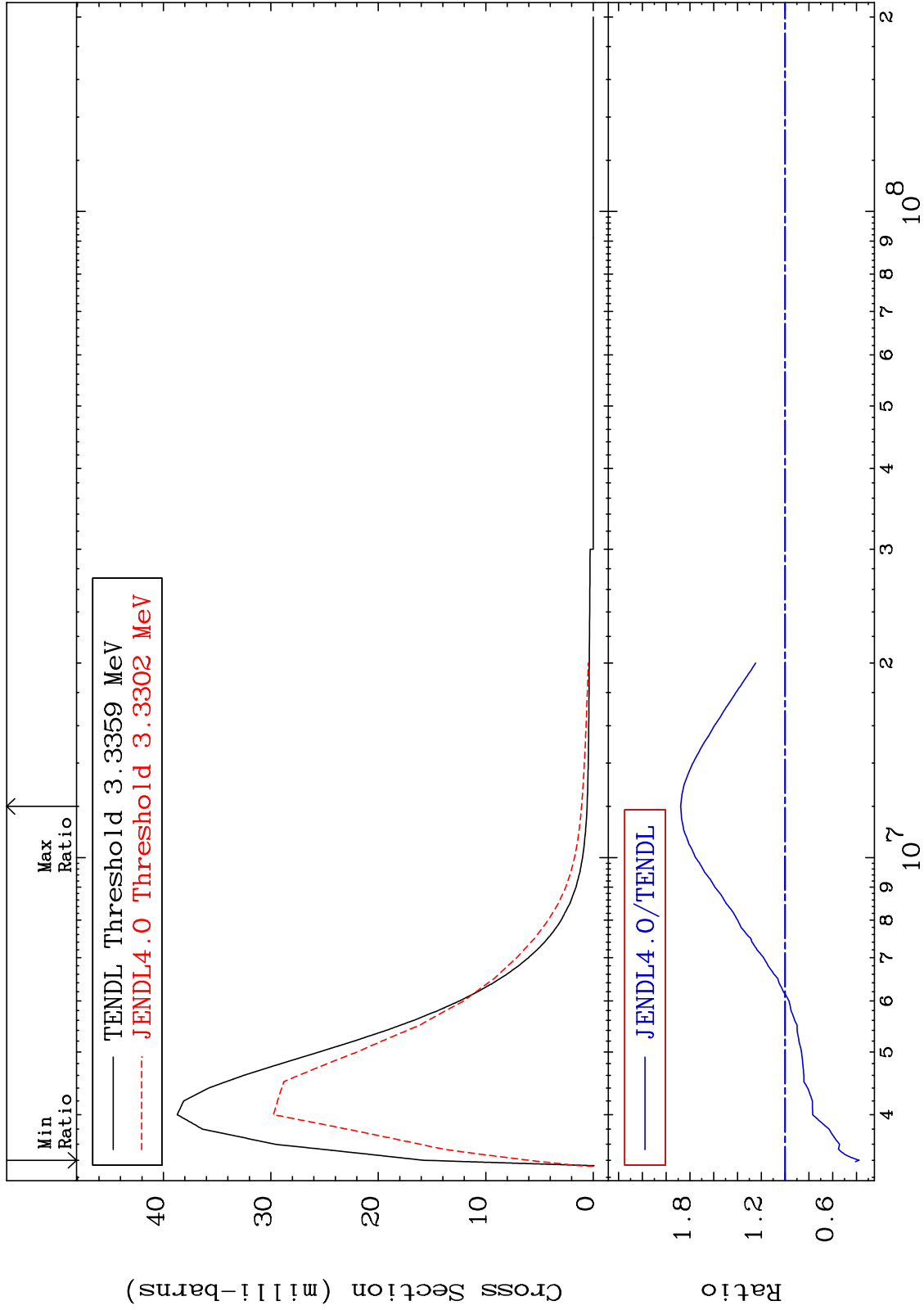
30-Zn-68
29.20 To 3939. %



MAT 3037

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

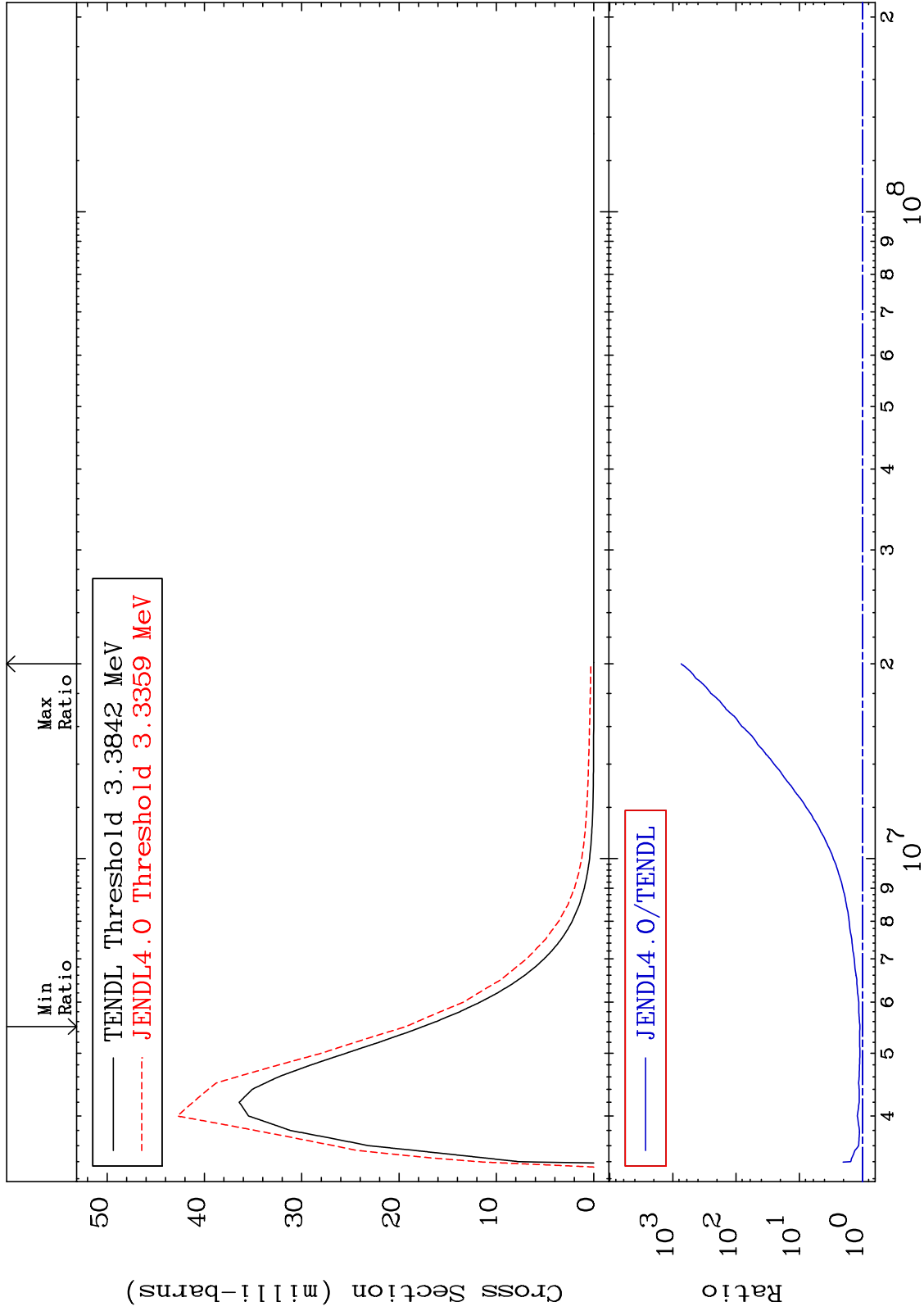
30-Zn-68
-62.26 To 87.83 %



MAT 3037

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

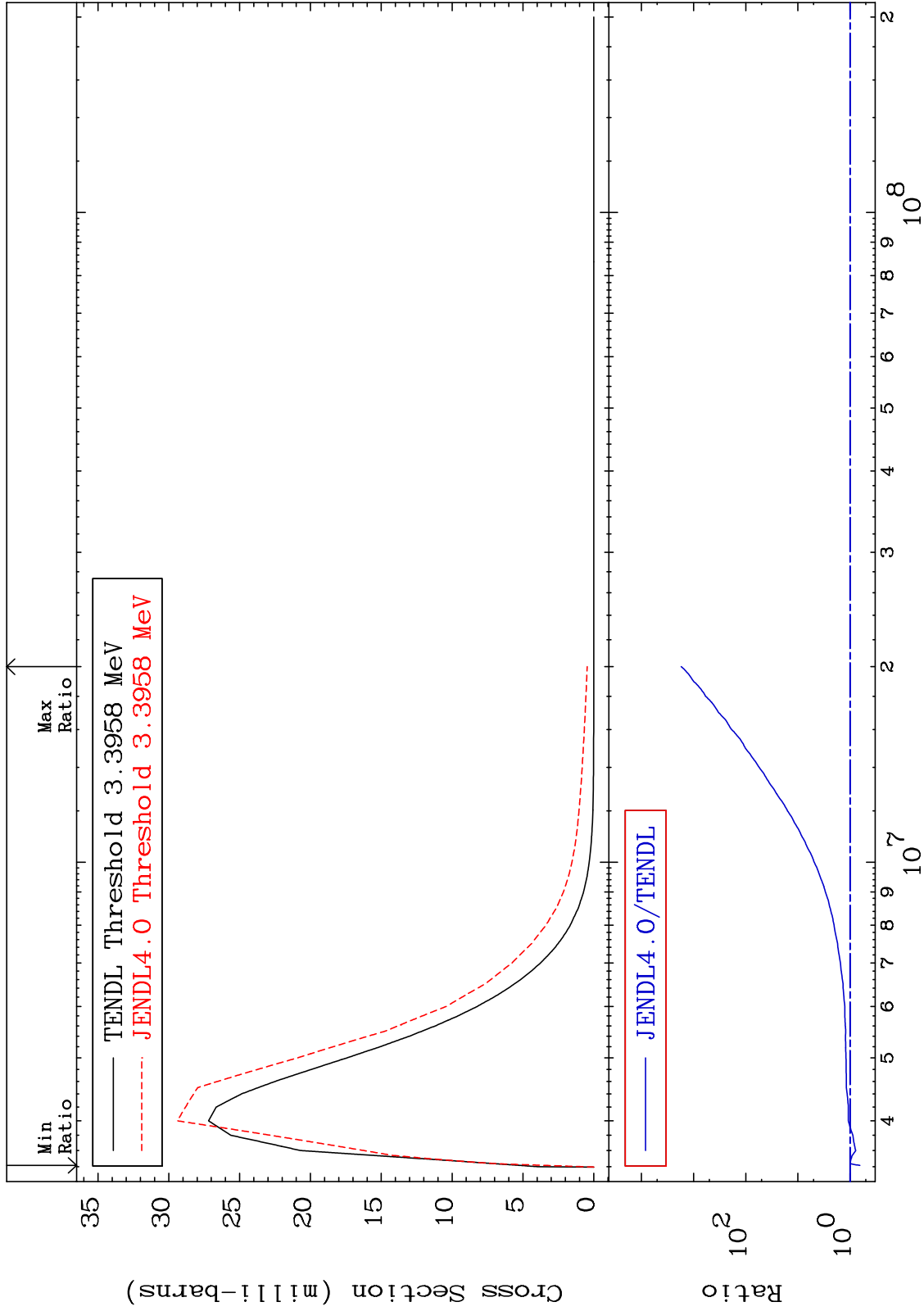
30-Zn-68
9.875 To 9999. %



MAT 3037

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

30-Zn-68
-35.13 To 9999. %



30

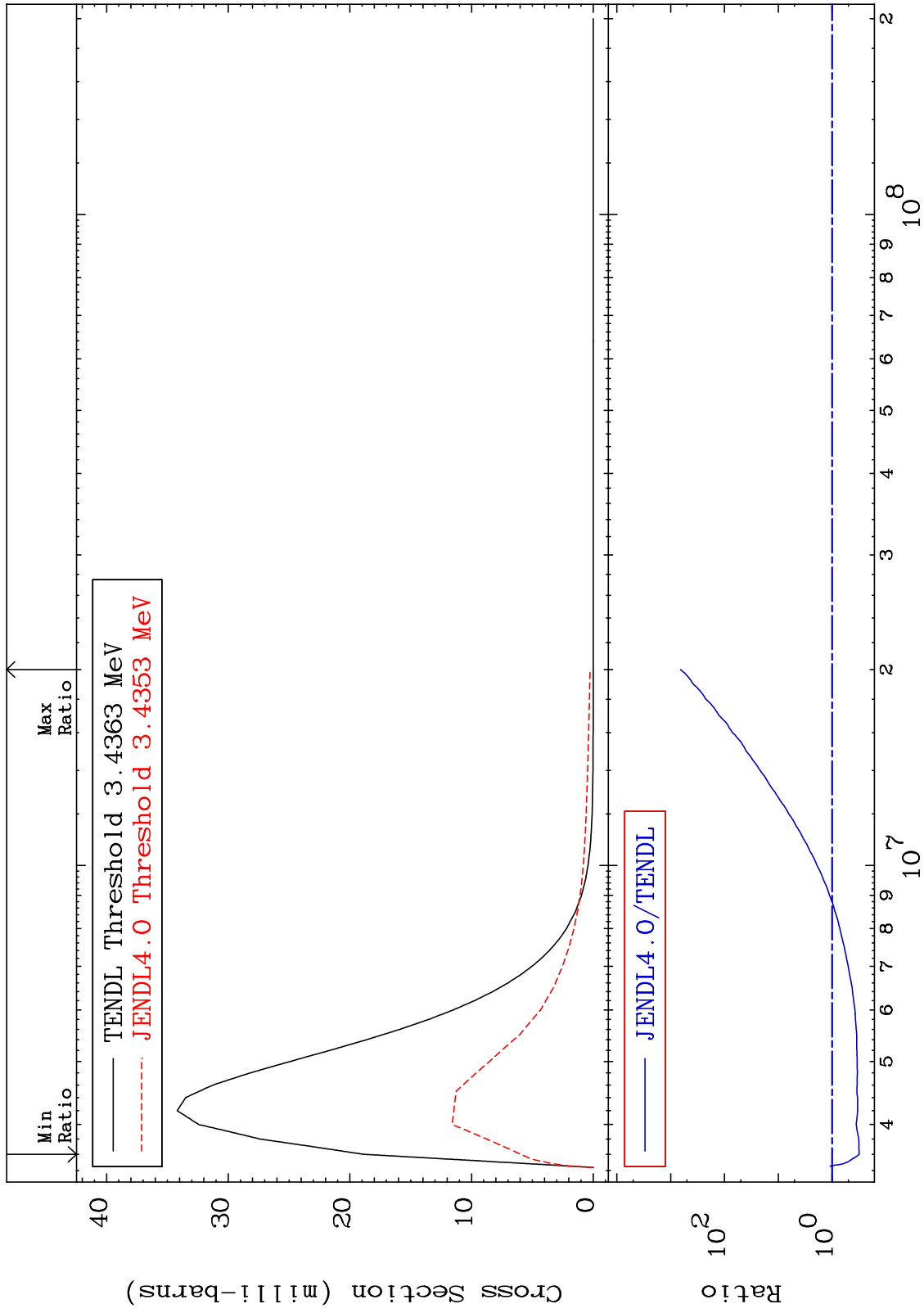
Incident Energy (eV)

30-Zn-68

MAT 3037

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

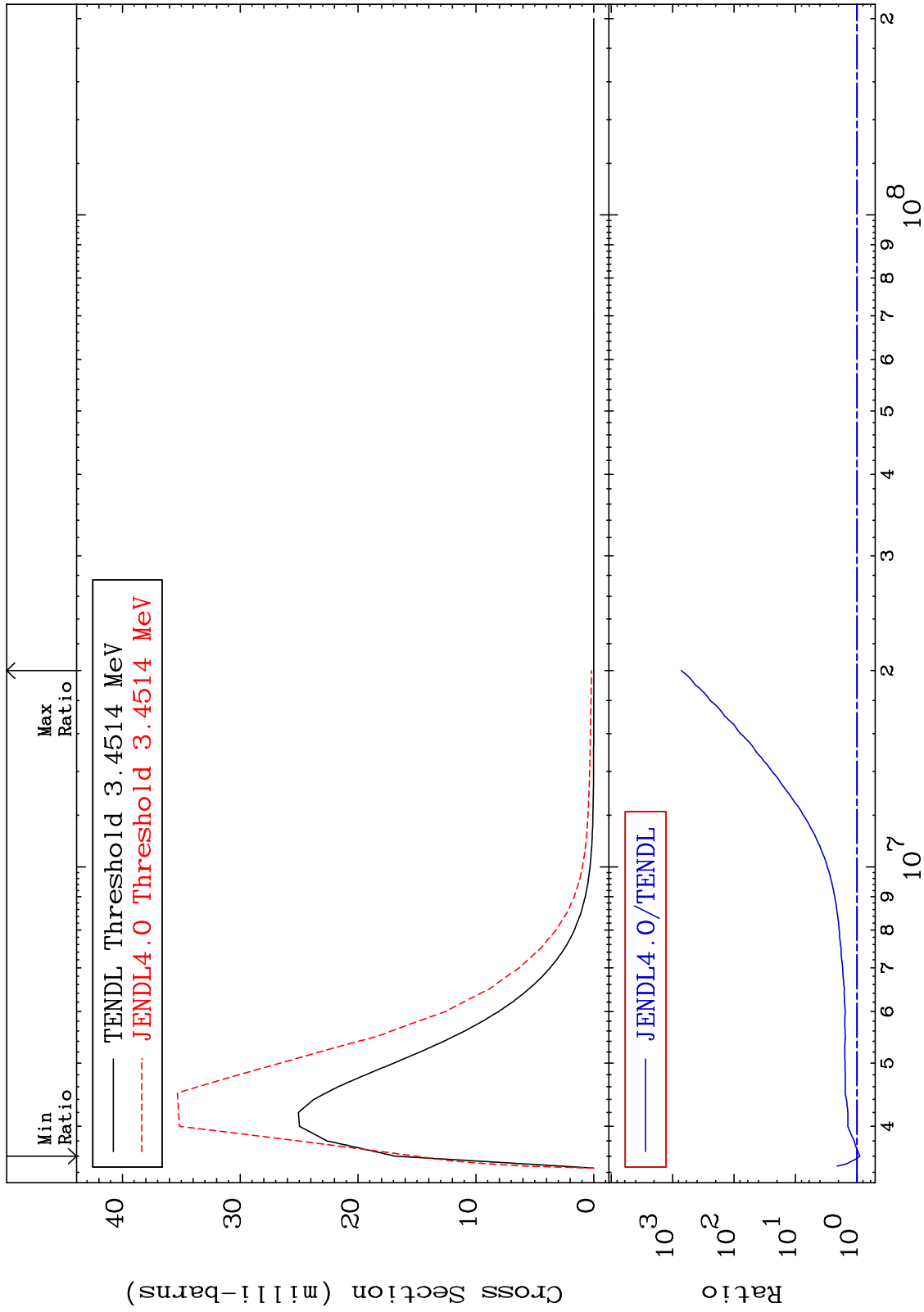
30-Zn-68
-68.53 To 9999. %



MAT 3037

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

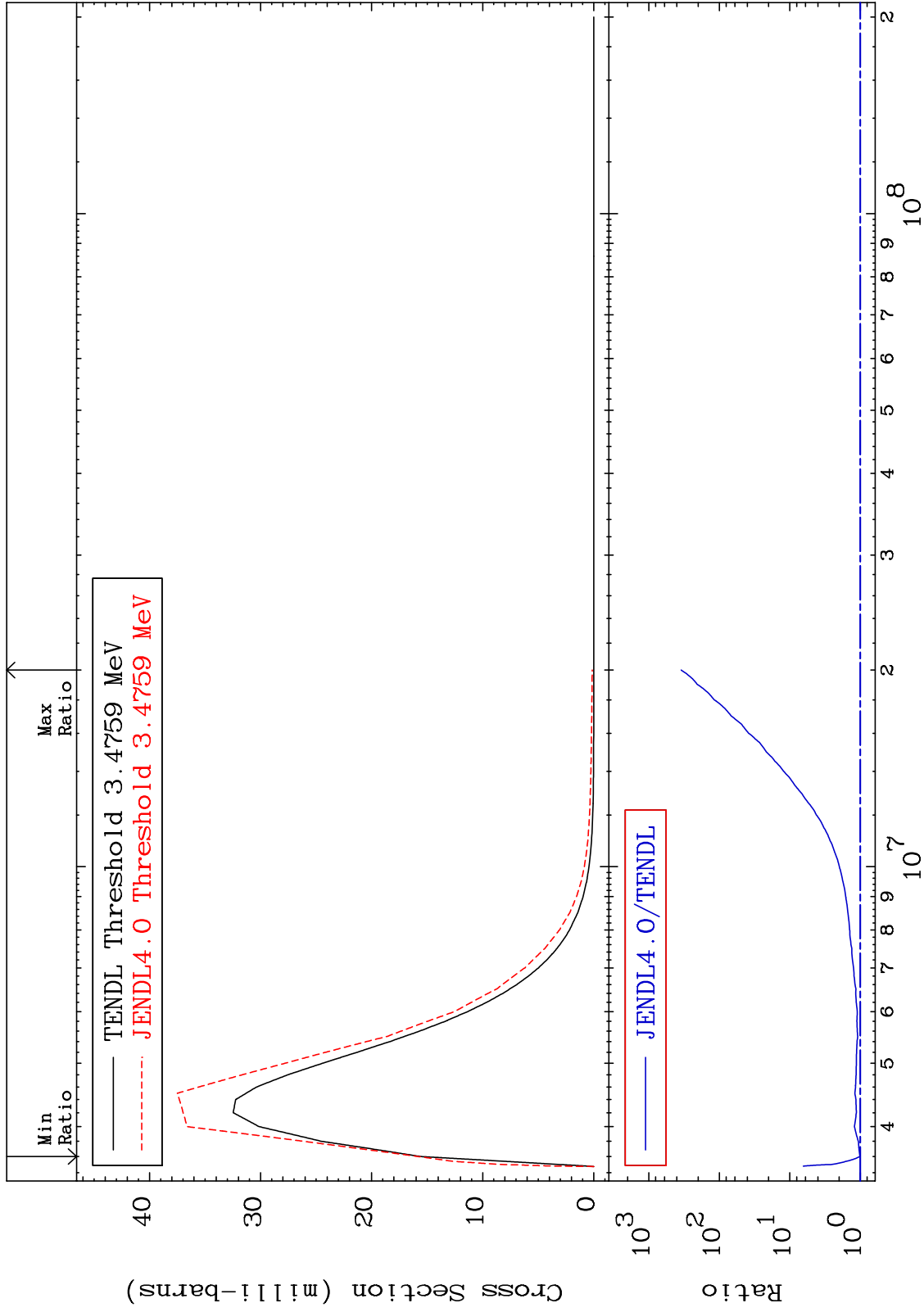
30-Zn-68
-10.41 To 9999. %



MAT 3037

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

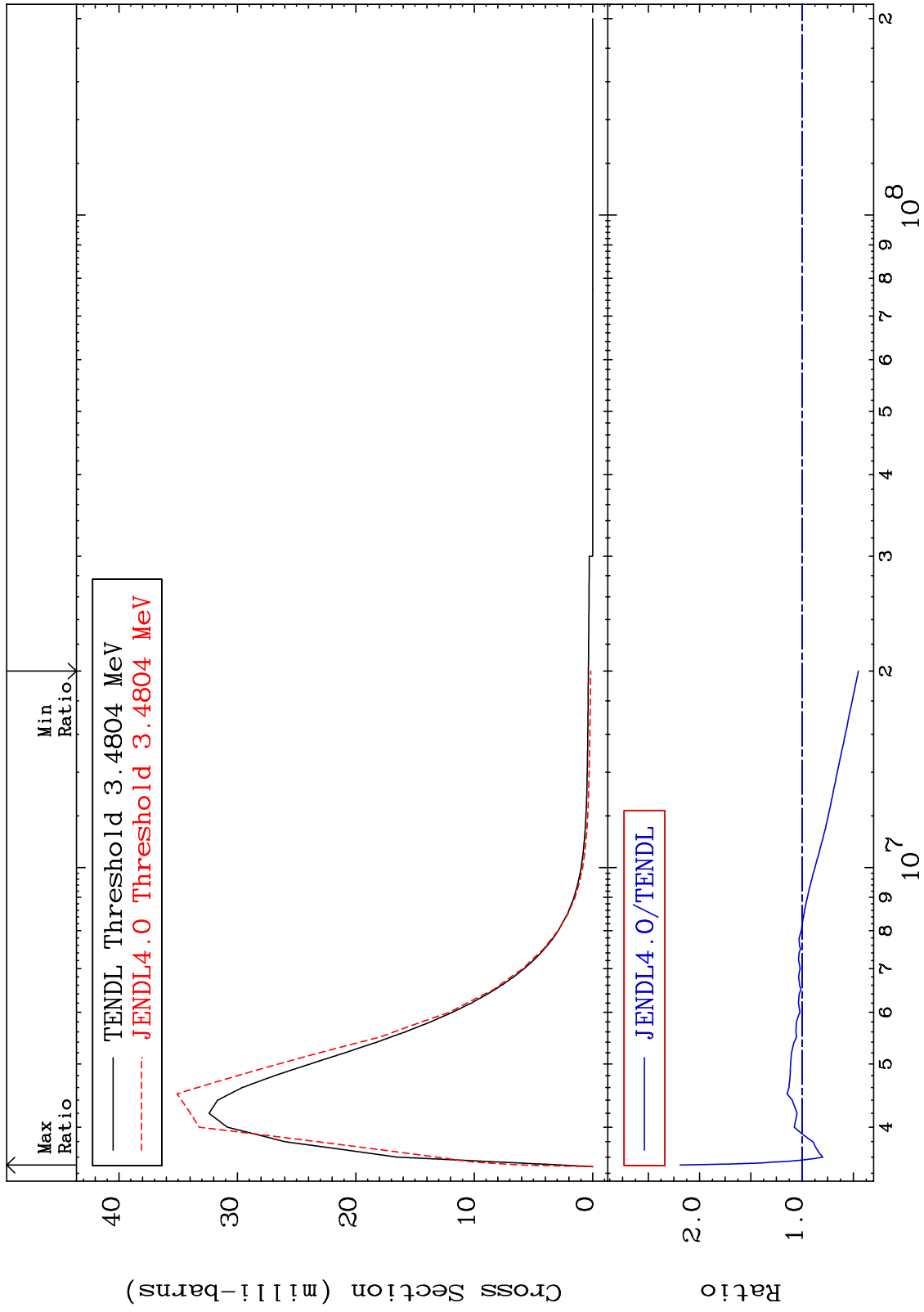
1.393 To 9999. %
30-Zn-68



MAT 3037

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

30-Zn-68
-54.93 To 119.0 %



34

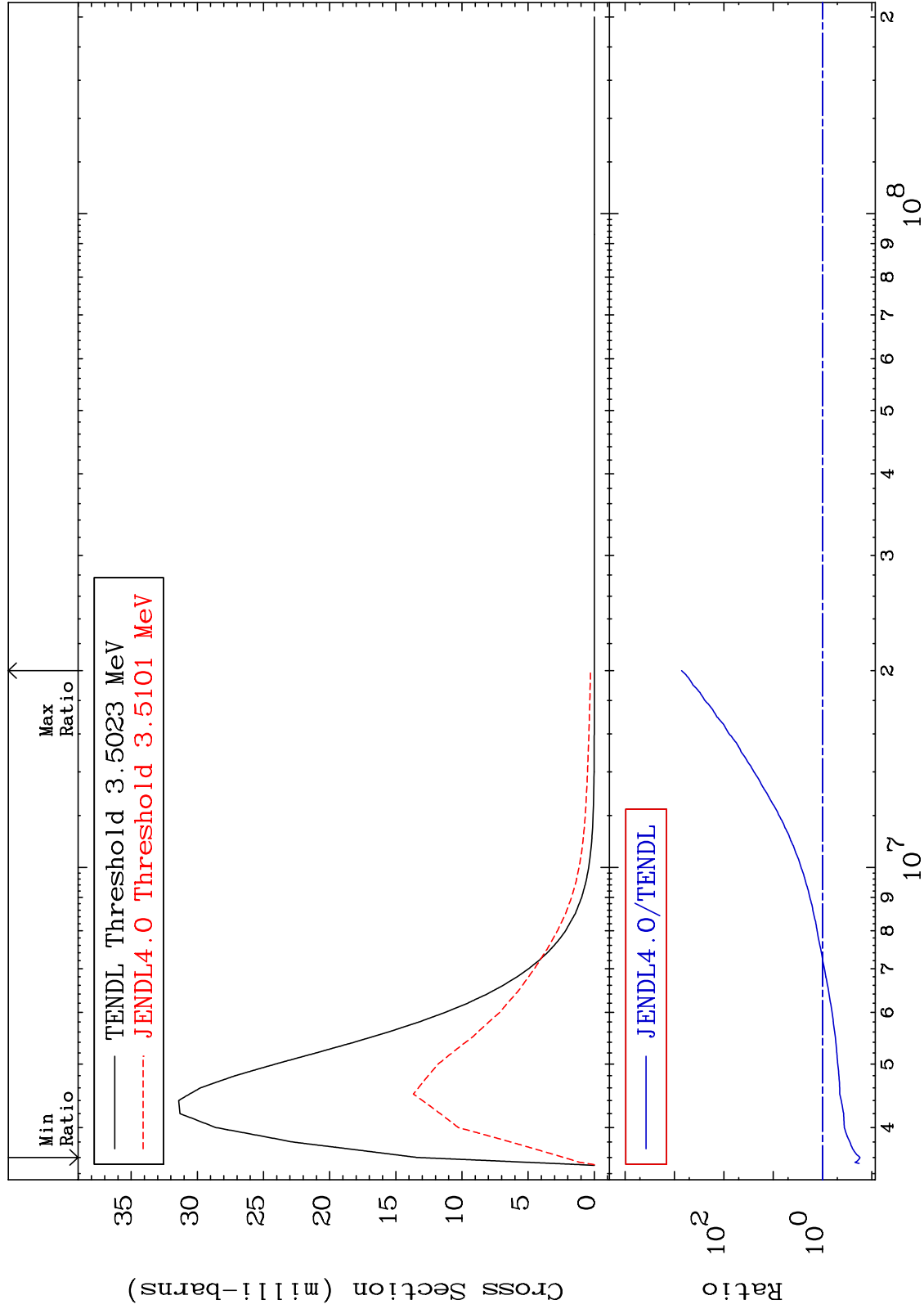
Incident Energy (eV)

30-Zn-68

MAT 3037

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

30-Zn-68
-82.73 To 9999. %



35

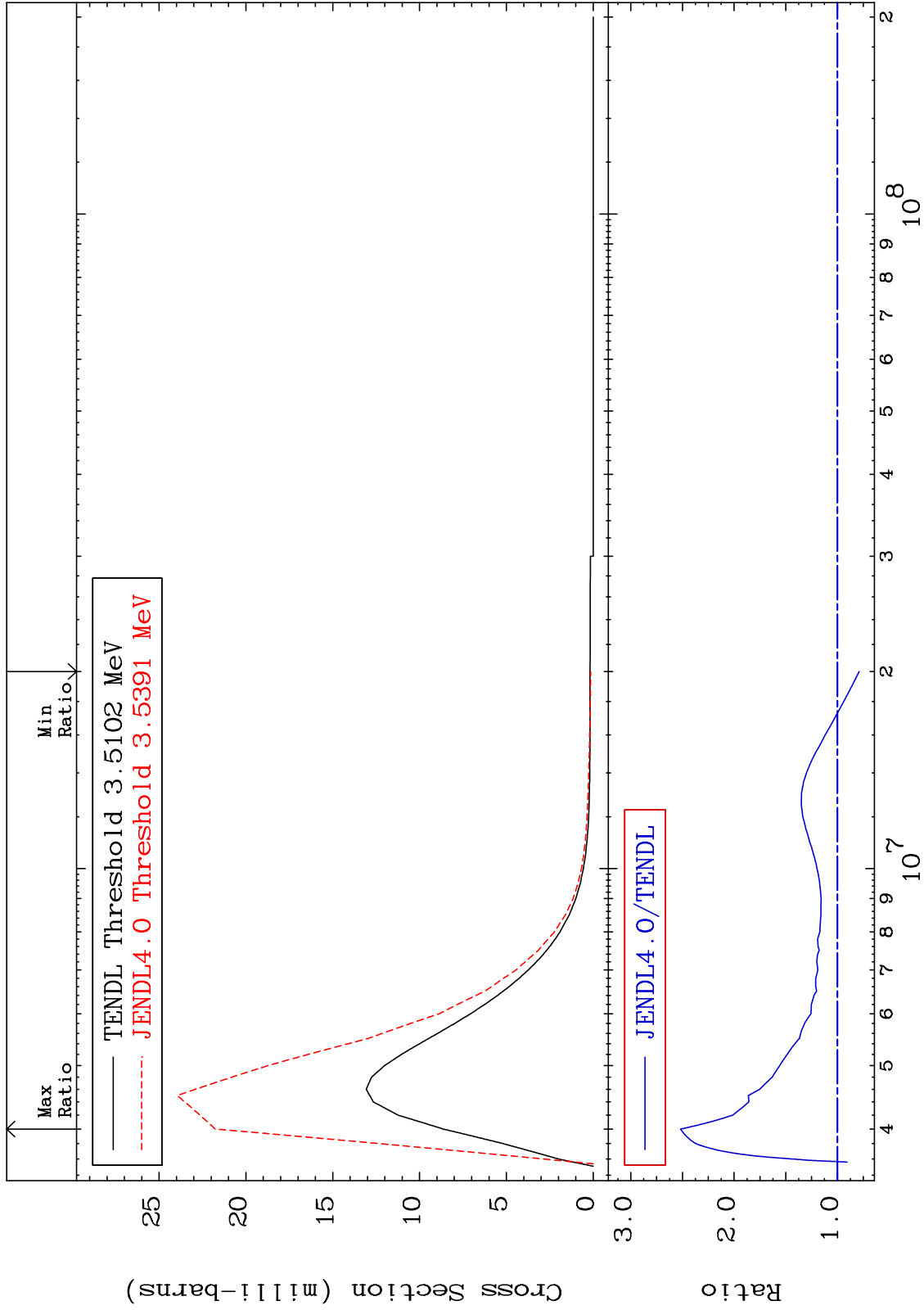
Incident Energy (eV)

30-Zn-68

MAT 3037

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

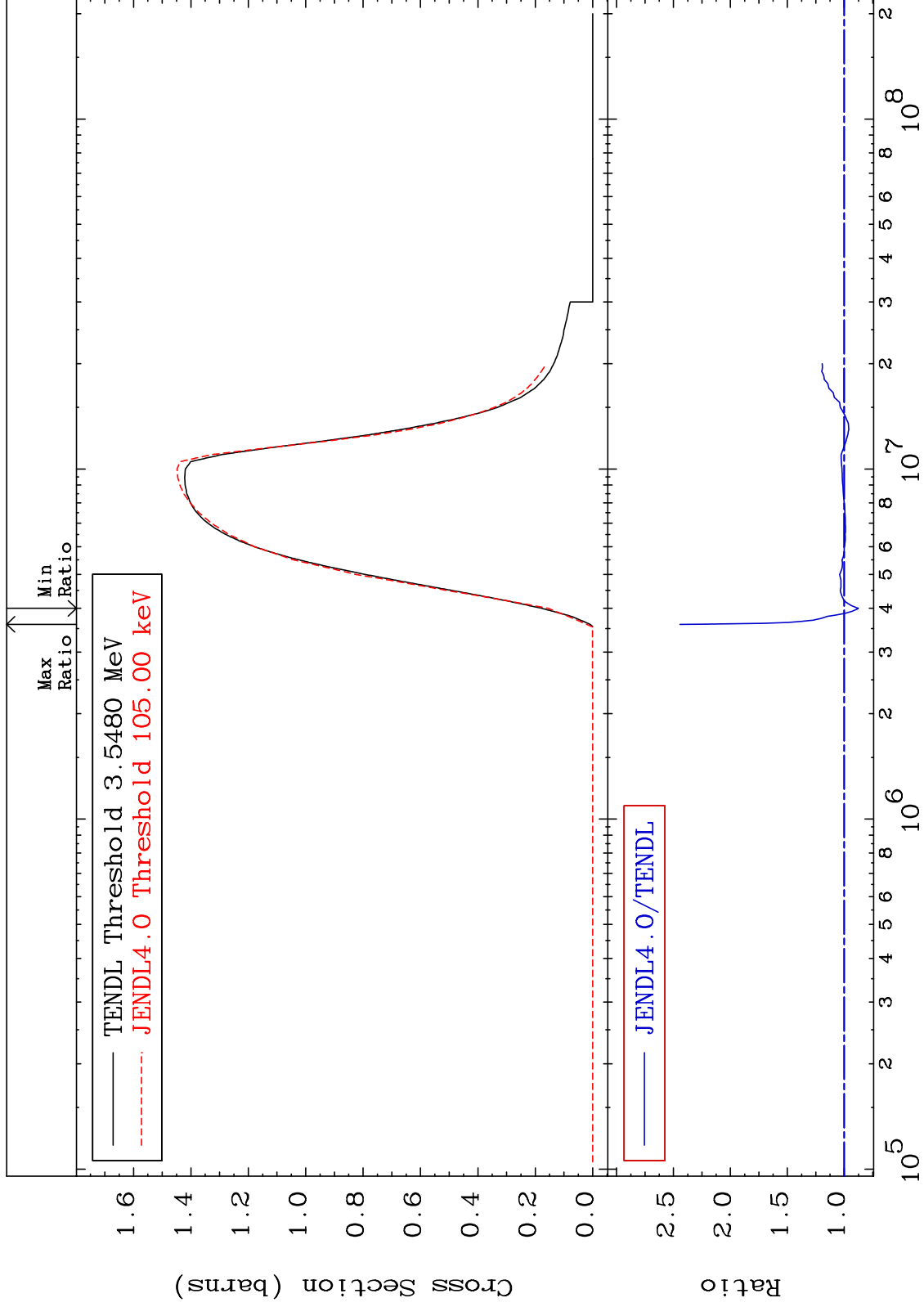
30-Zn-68
-21.06 To 151.8 %



MAT 3037

(n, n') Continuum
Cross Section

30-Zn-68
-12.42 To 144.3 %



37

Incident Energy (eV)

30-Zn-68

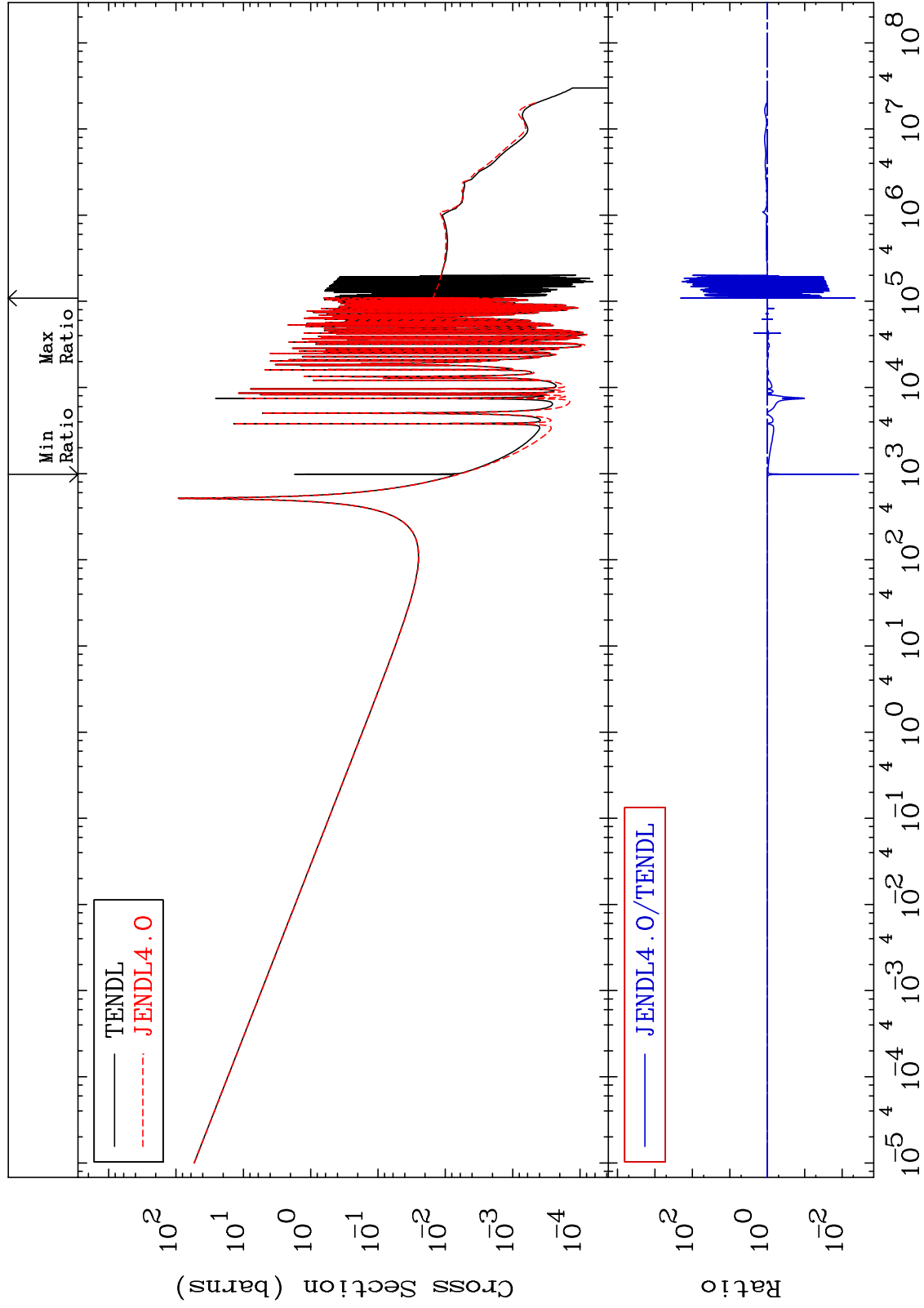
MAT 3037

(n, γ)

30-Zn-68

Cross Section

-99.64 To 9999. %



38

Incident Energy (eV)

30-Zn-68

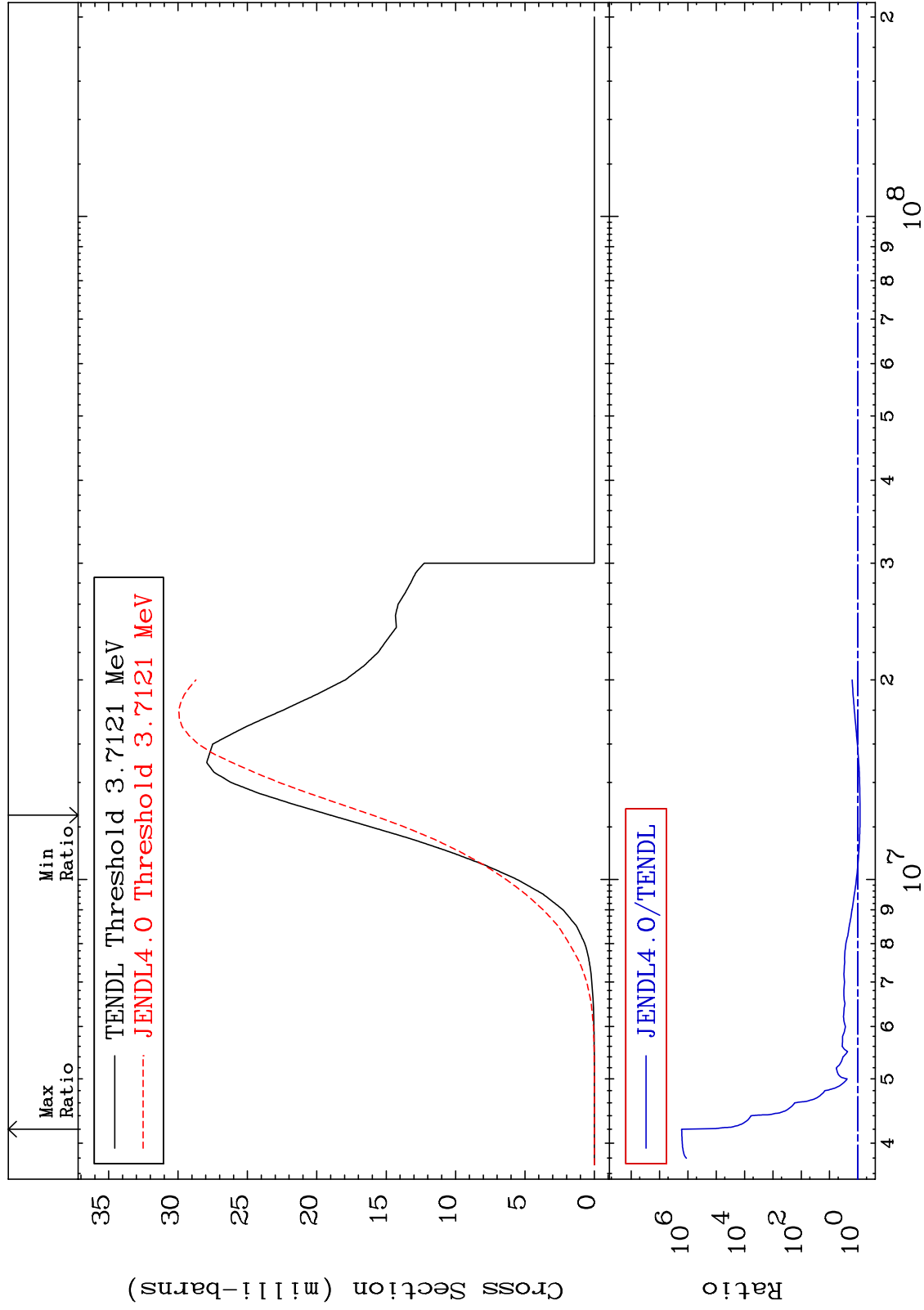
MAT 3037

(n,p)

30-Zn-68

Cross Section

-15.97 To 9999. %



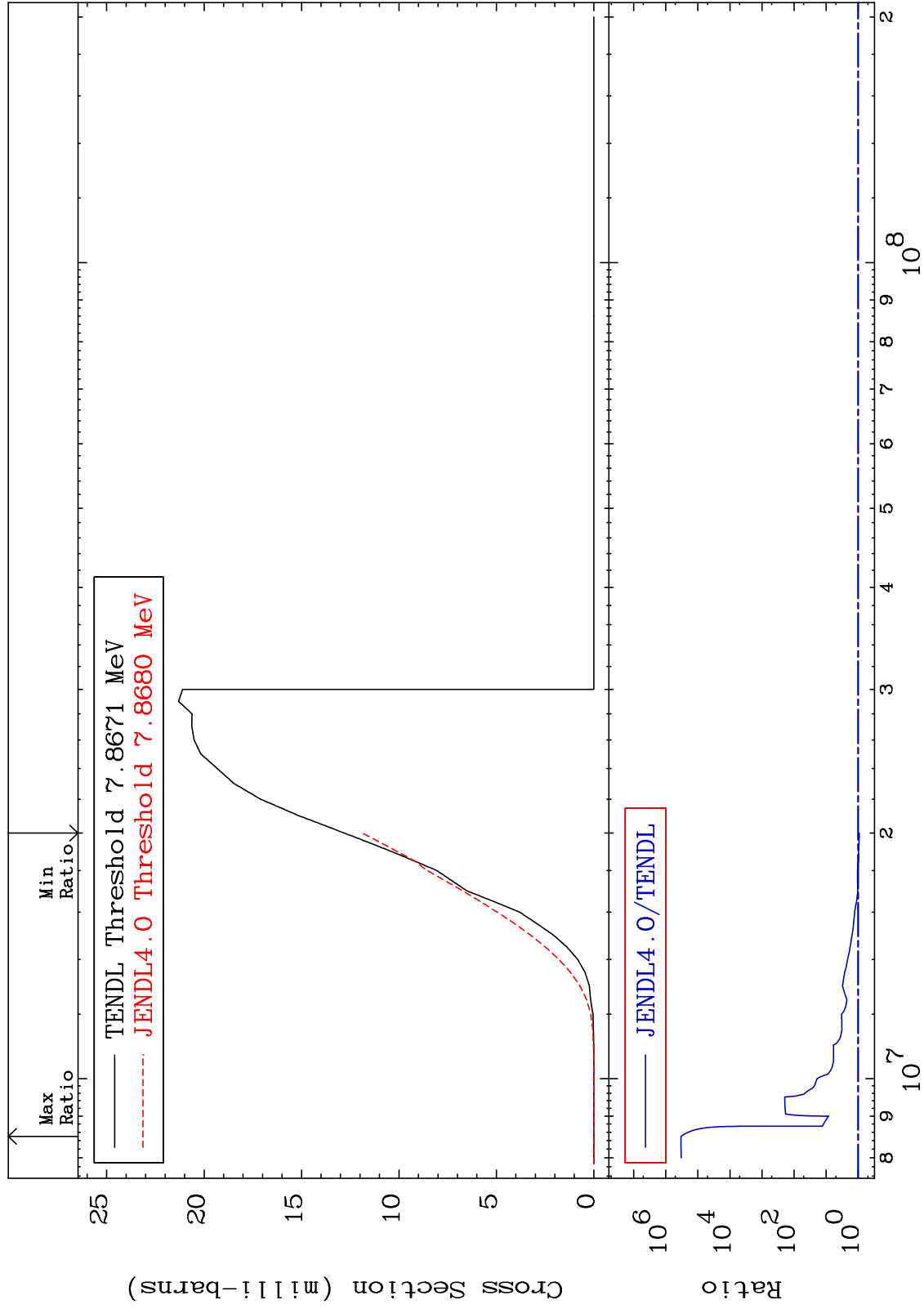
MAT 3037

(n,d)

30-Zn-68

Cross Section

-7.239 To 9999. %



30-Zn-68

Incident Energy (eV)

40

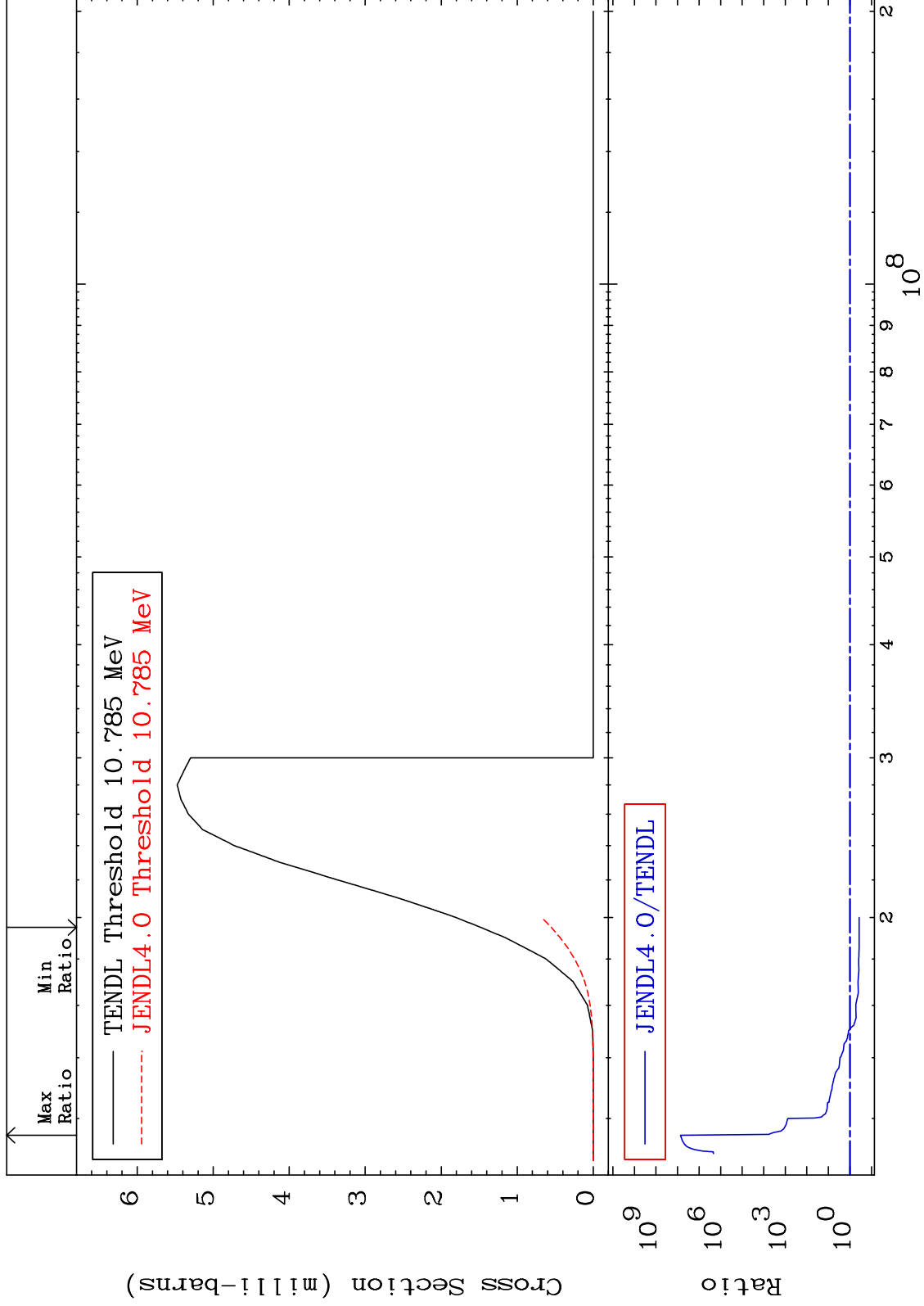
MAT 3037

(n, t)

30-Zn-68

Cross Section

-62.79 To 9999. %



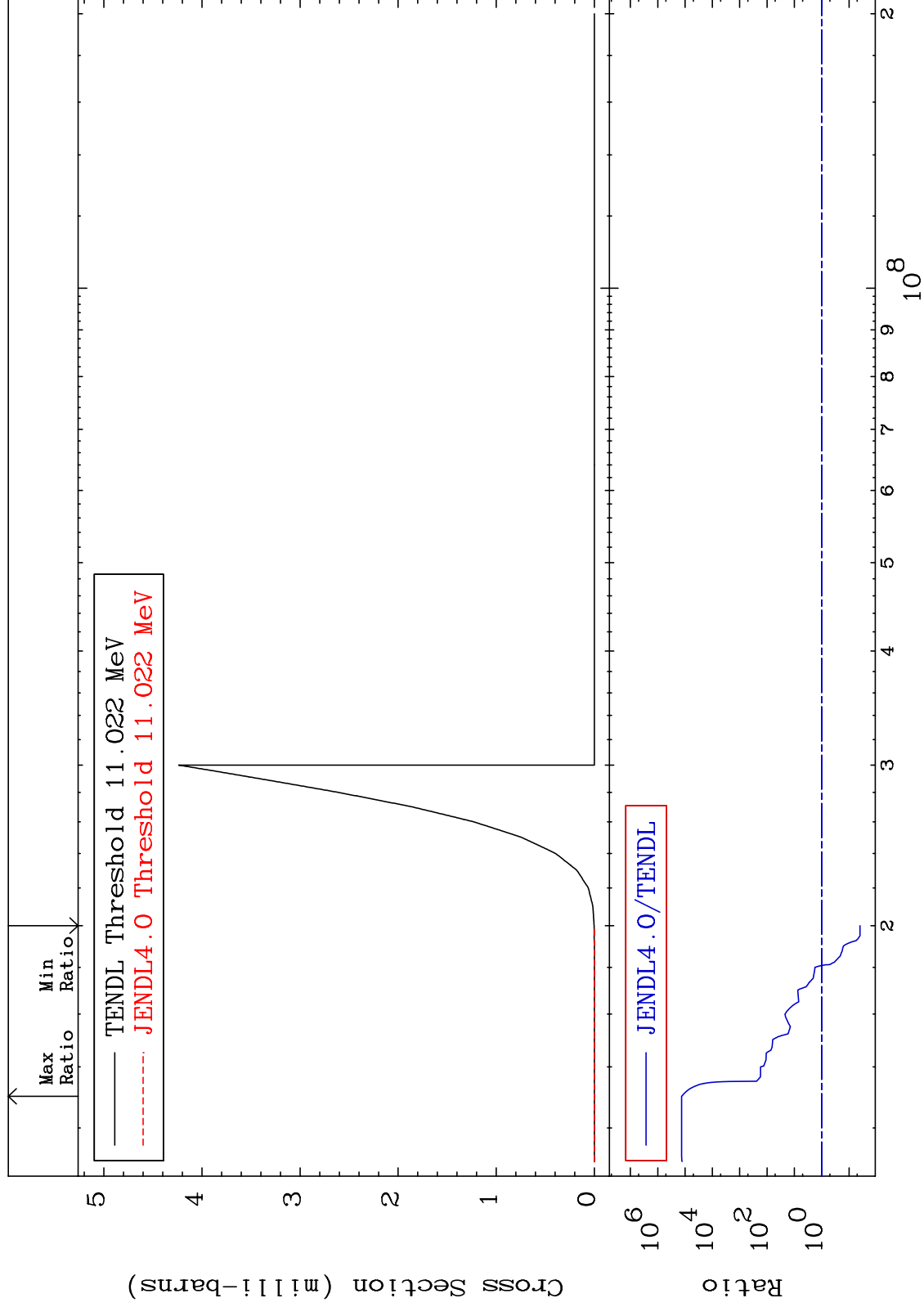
MAT 3037

(n, He-3)

30-Zn-68

Cross Section

-96.05 To 9999. %



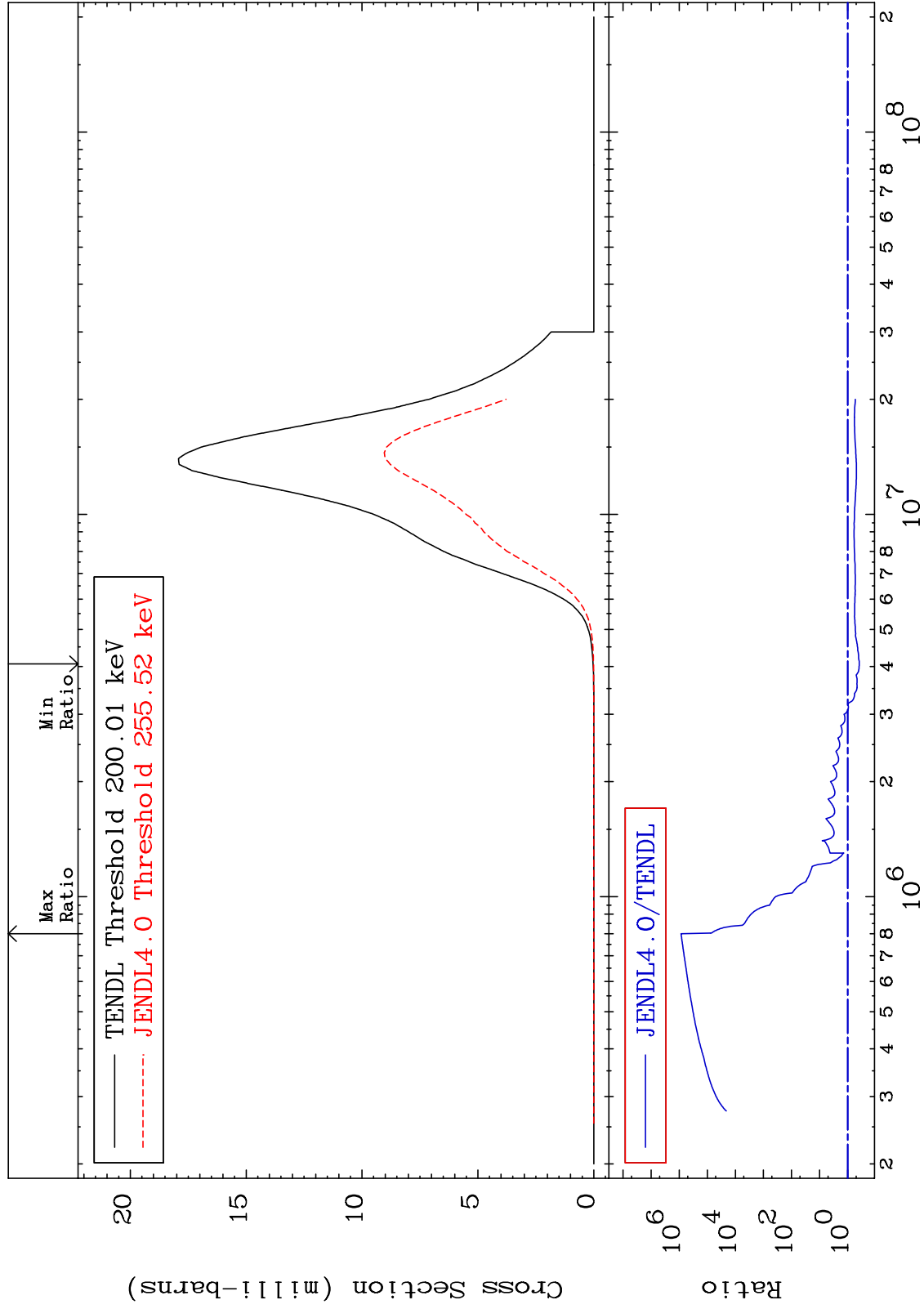
MAT 3037

(n, α)

30-Zn-68

Cross Section

-61.32 To 9999. %



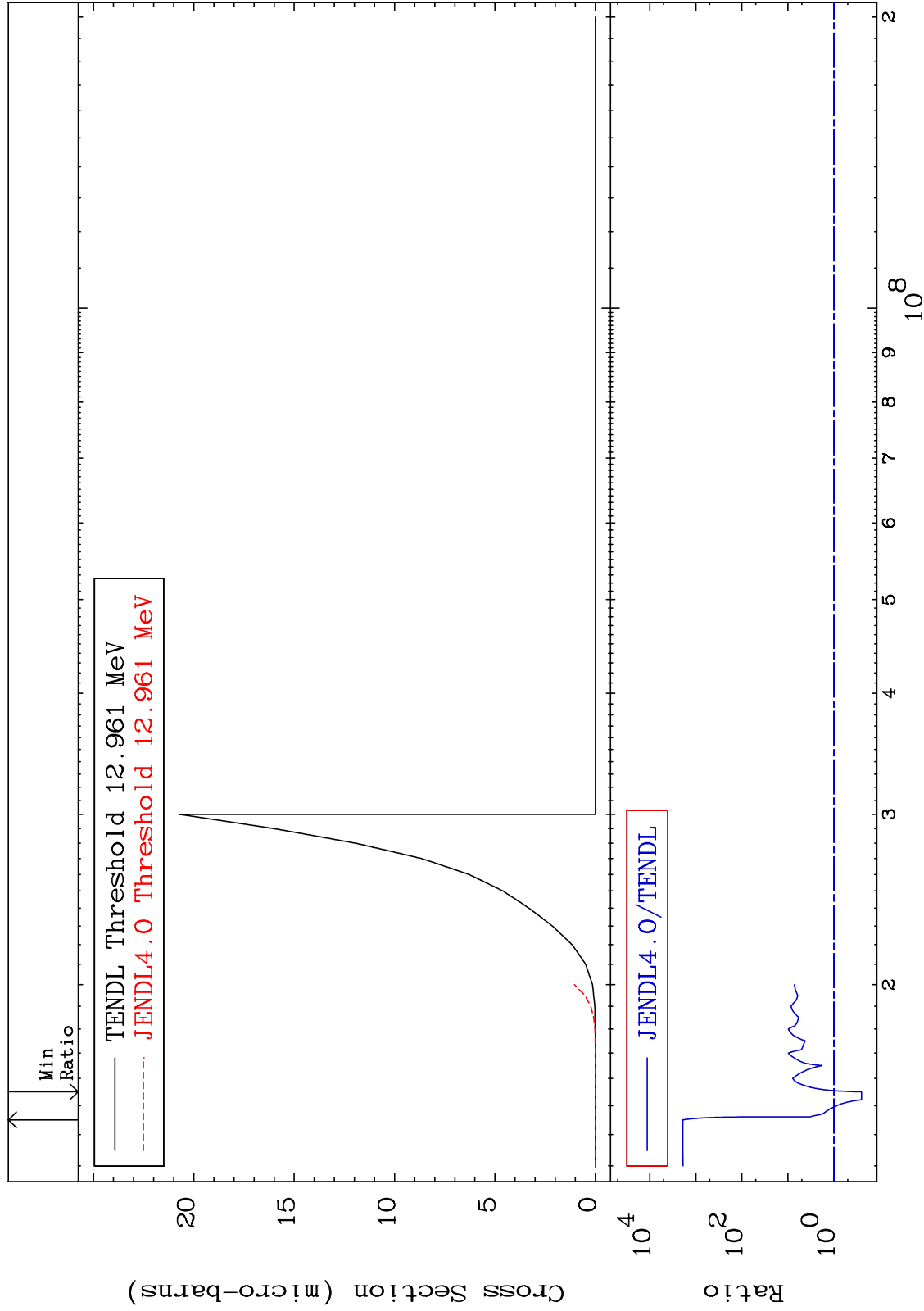
MAT 3037

(n,2p)

30-Zn-68

Cross Section

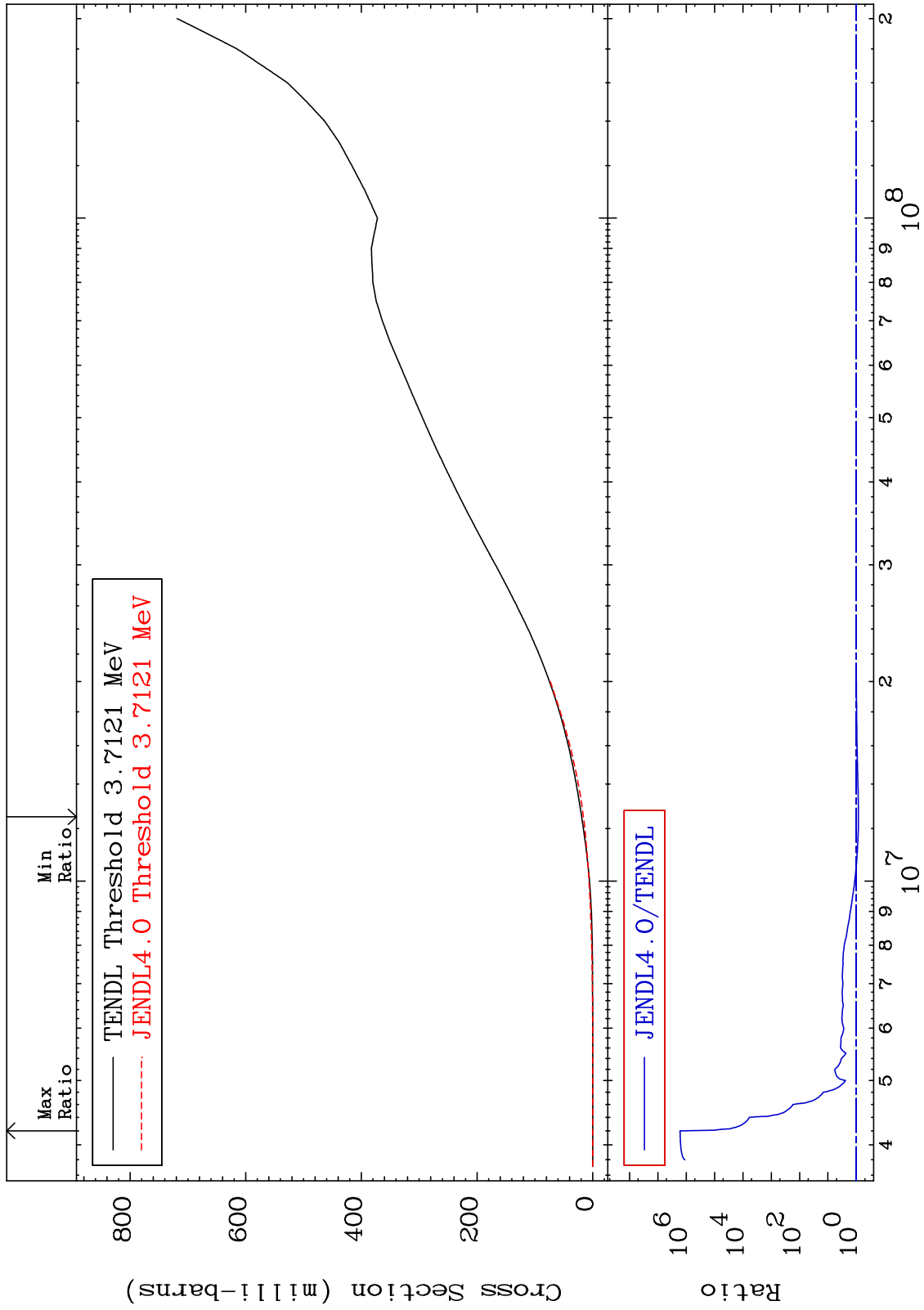
-74.83 To 9999. %



MAT 3037

Hydrogen Production
Cross Section

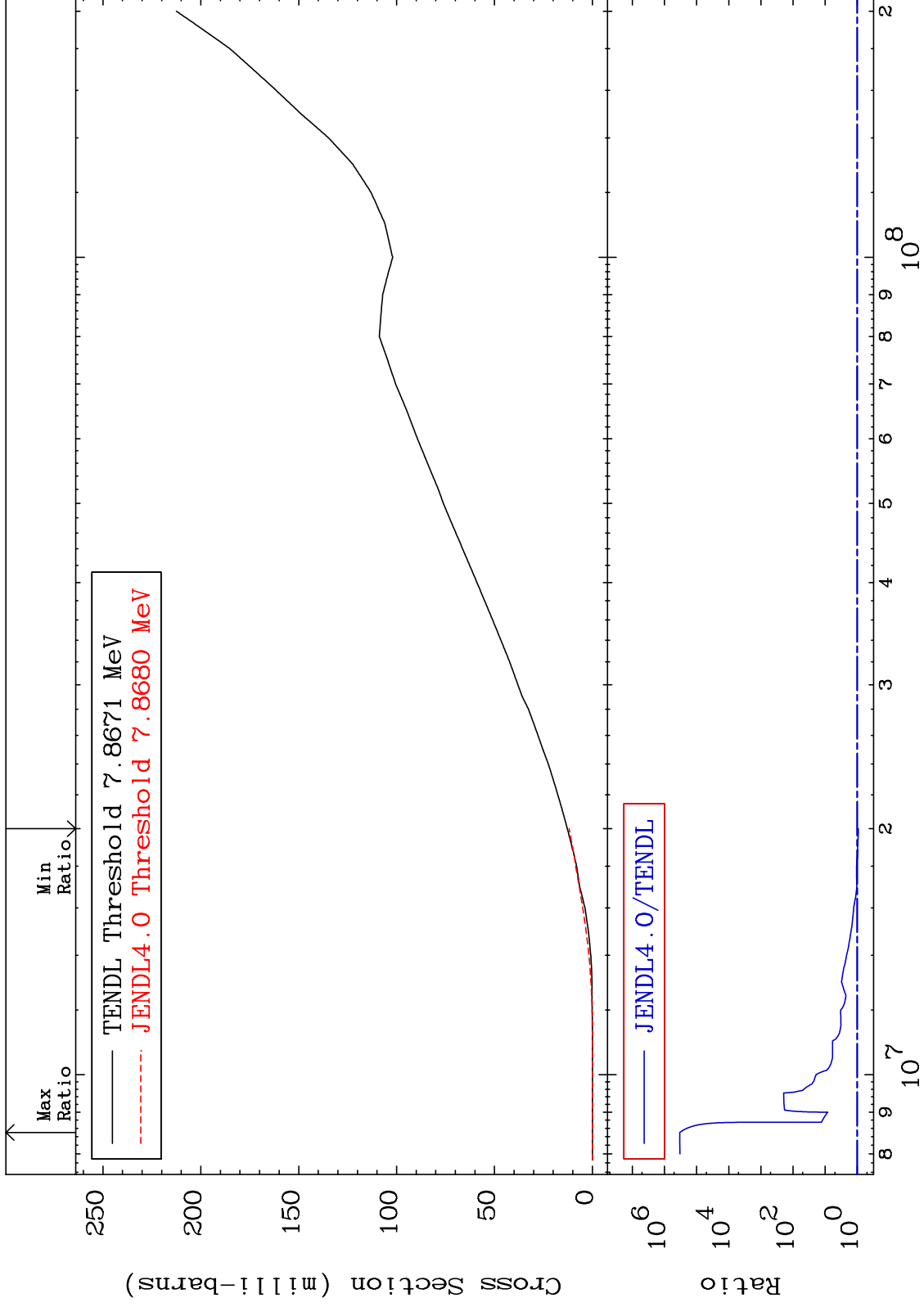
30-Zn-68
-15.90 To 9999. %



MAT 3037

Deuterium Production
Cross Section

30-Zn-68
-7.228 To 9999. %



46

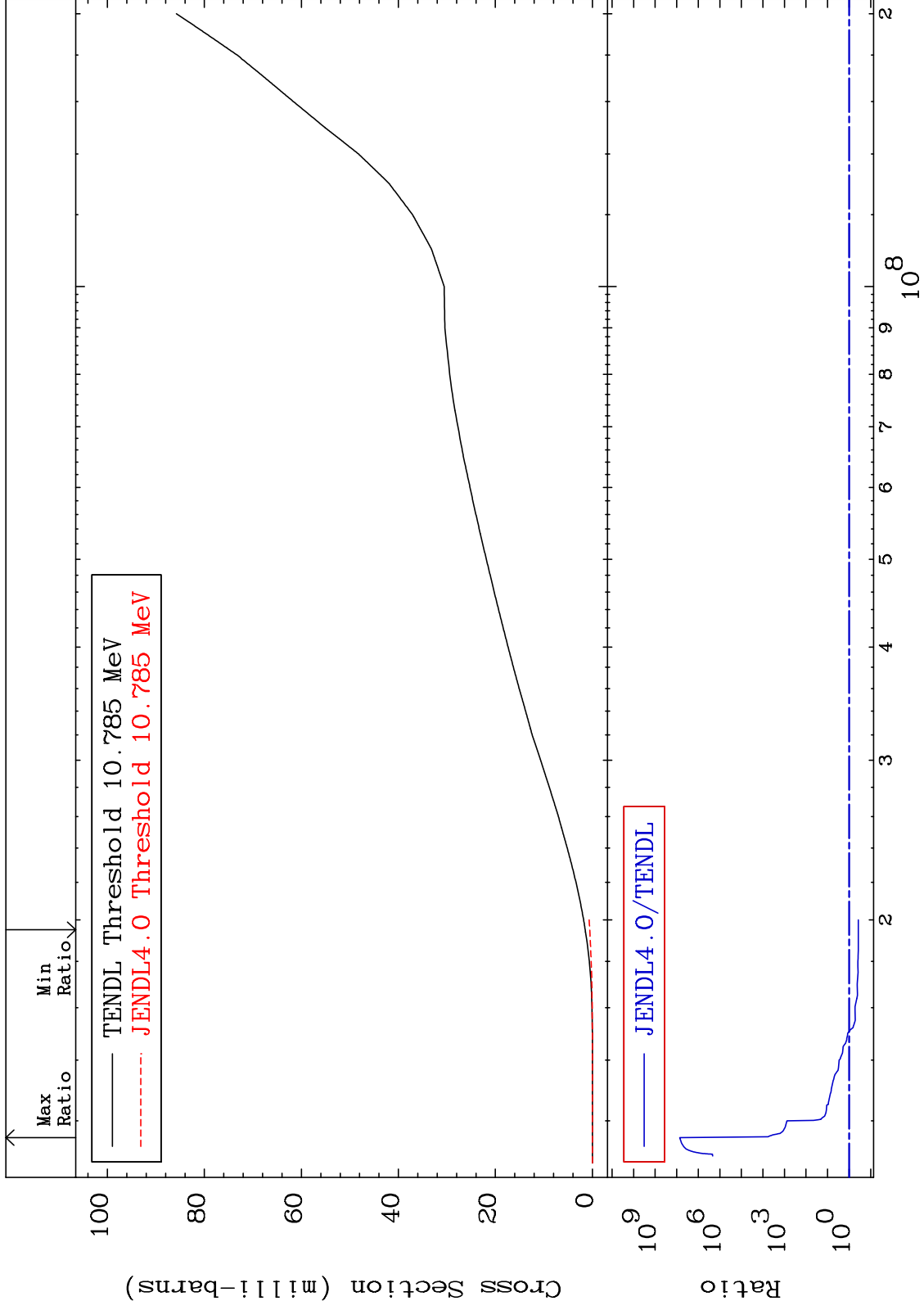
Incident Energy (eV)

30-Zn-68

MAT 3037

Tritium Production
Cross Section

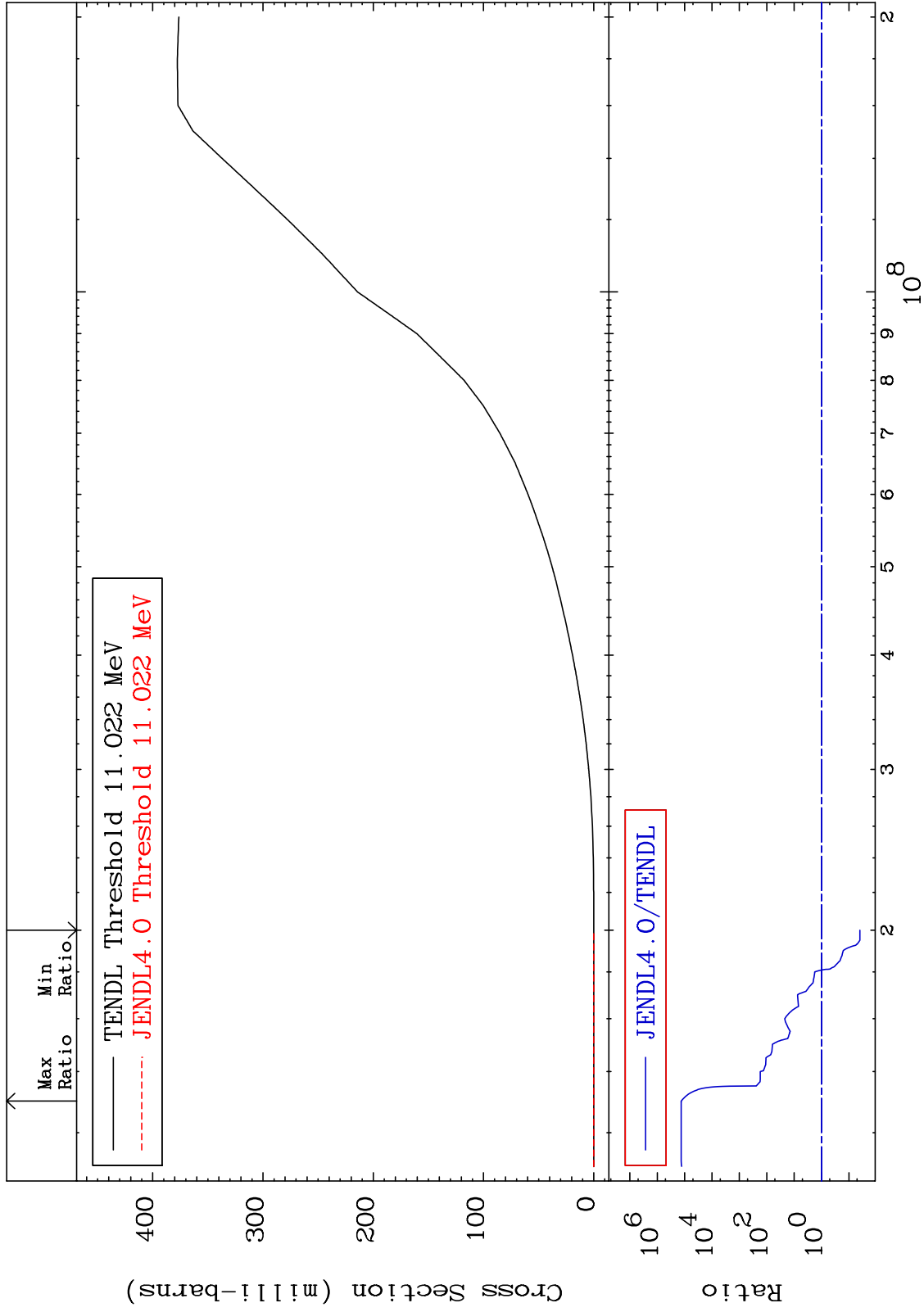
30-Zn-68
-62.79 To 9999. %



MAT 3037

He-3 Production
Cross Section

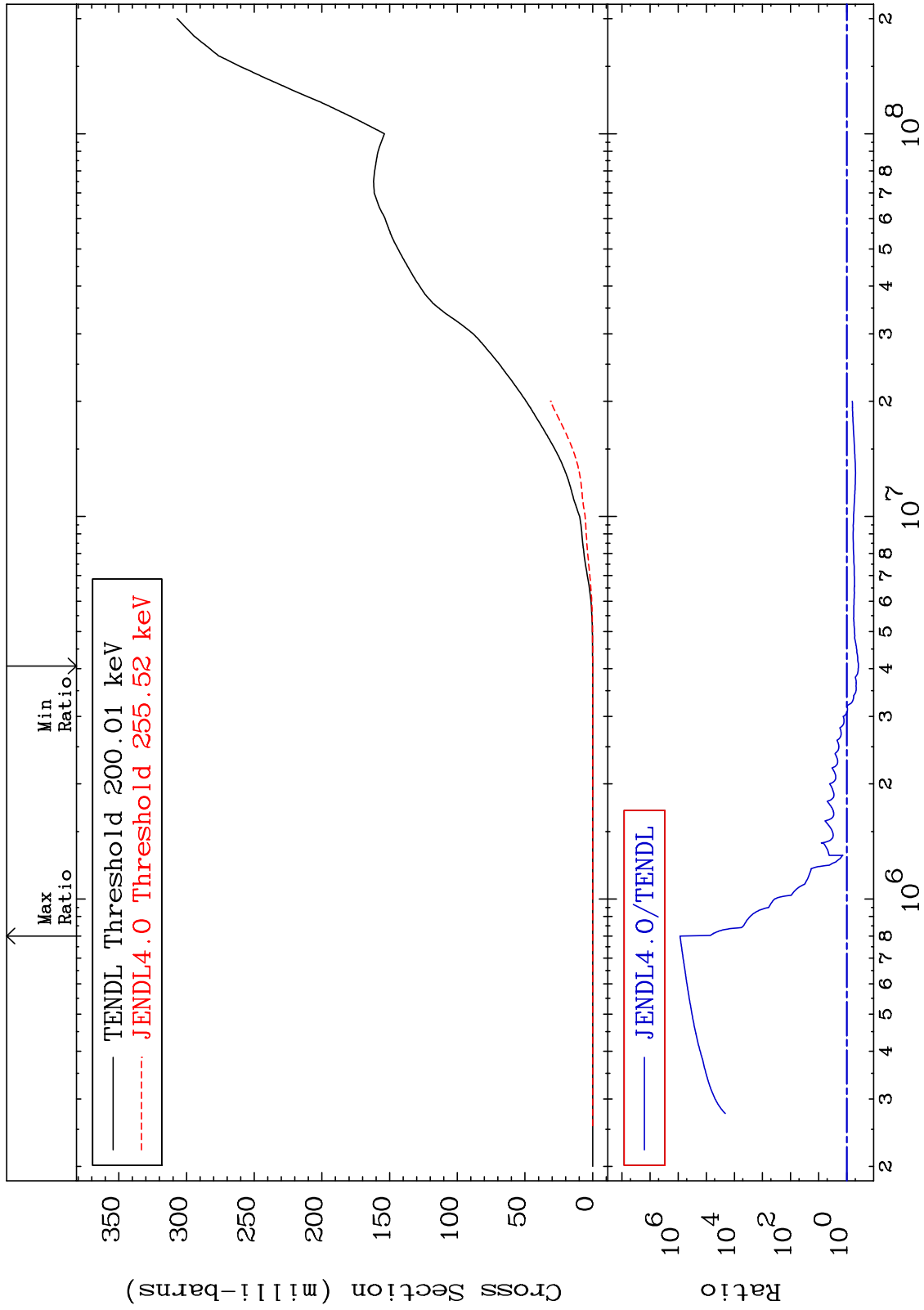
30-Zn-68
-96.05 To 9999. %



MAT 3037

He-4 Production
Cross Section

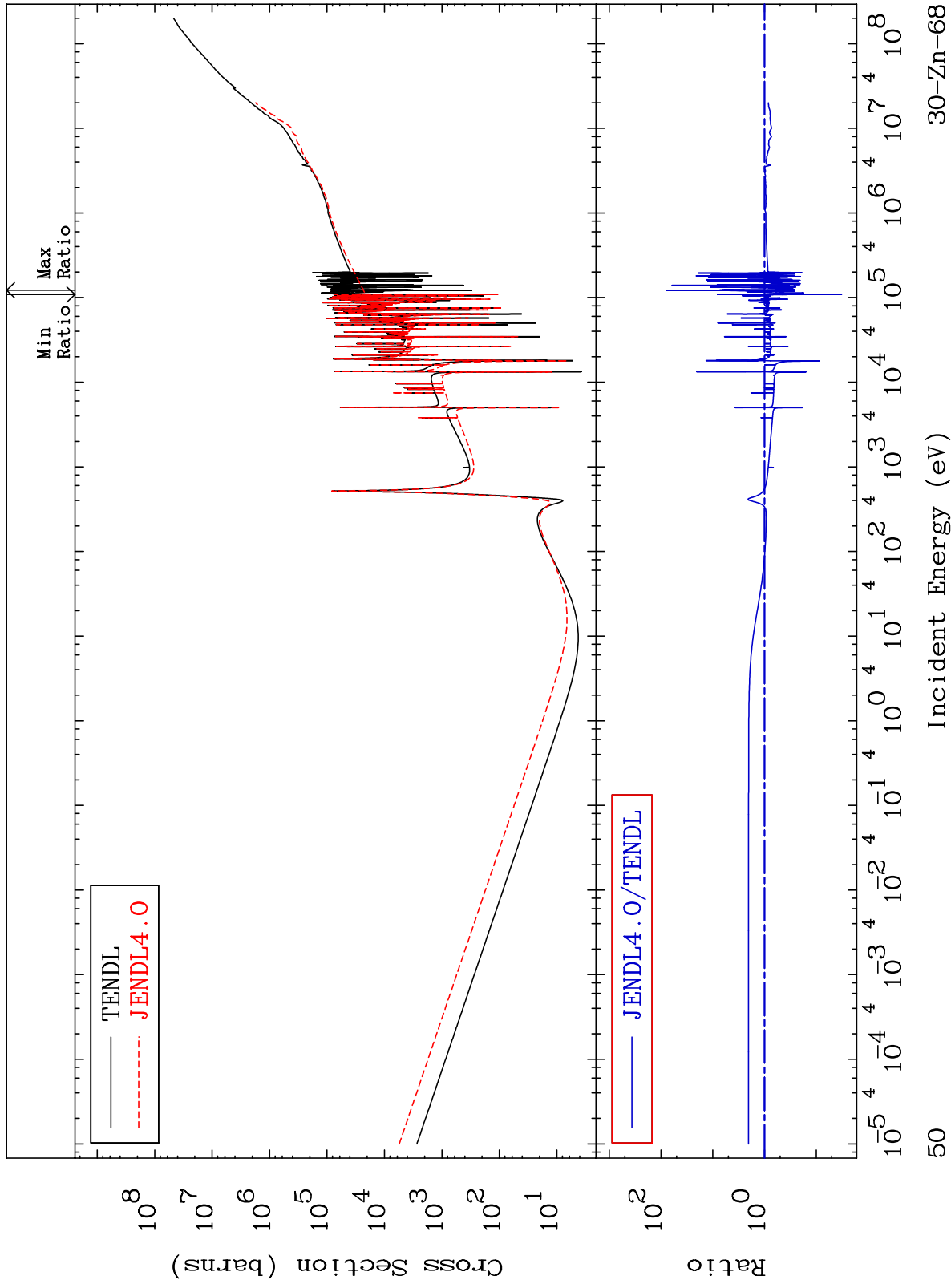
30-Zn-68
-61.32 To 9999. %



MAT 3037

Kerma total (eV-barns)
Cross Section

30-Zn-68
-96.79 To 7595. %



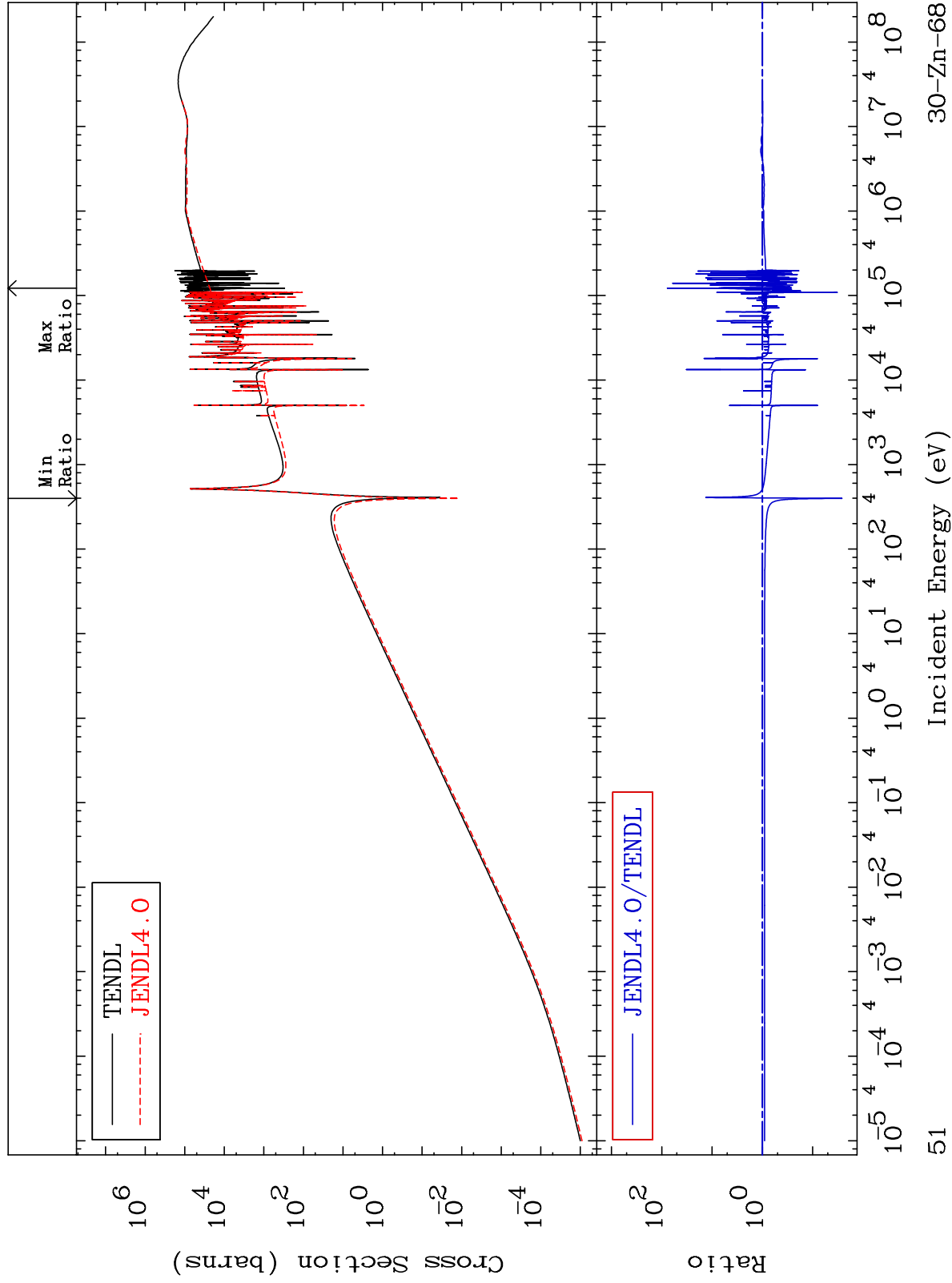
50

30-Zn-68

MAT 3037

Kerma elastic
Cross Section

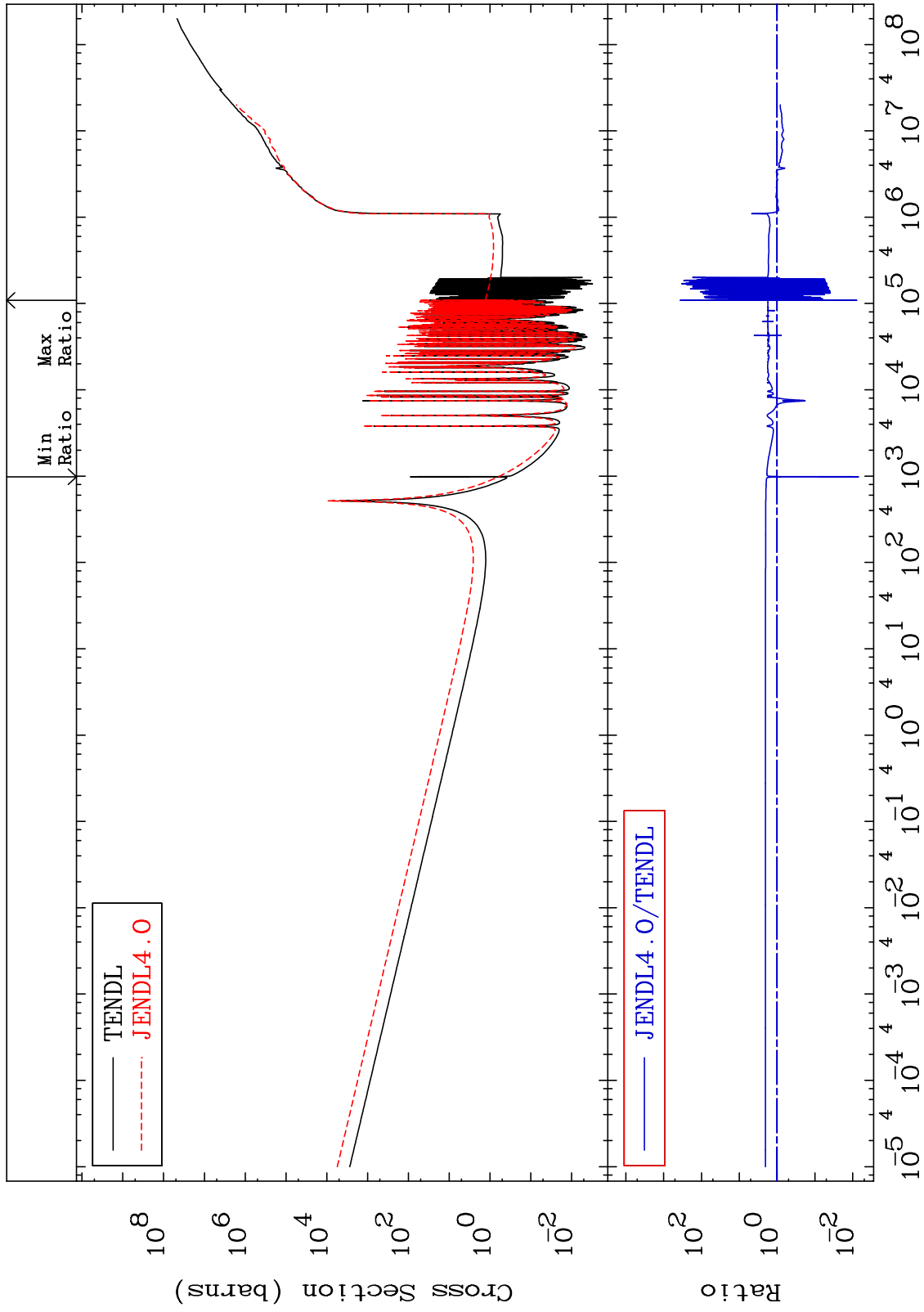
30-Zn-68
-97.40 To 7596. %



MAT 3037

Kerma non-elastic (all but mt2)
Cross Section

30-Zn-68
-99.29 To 9999. %



52

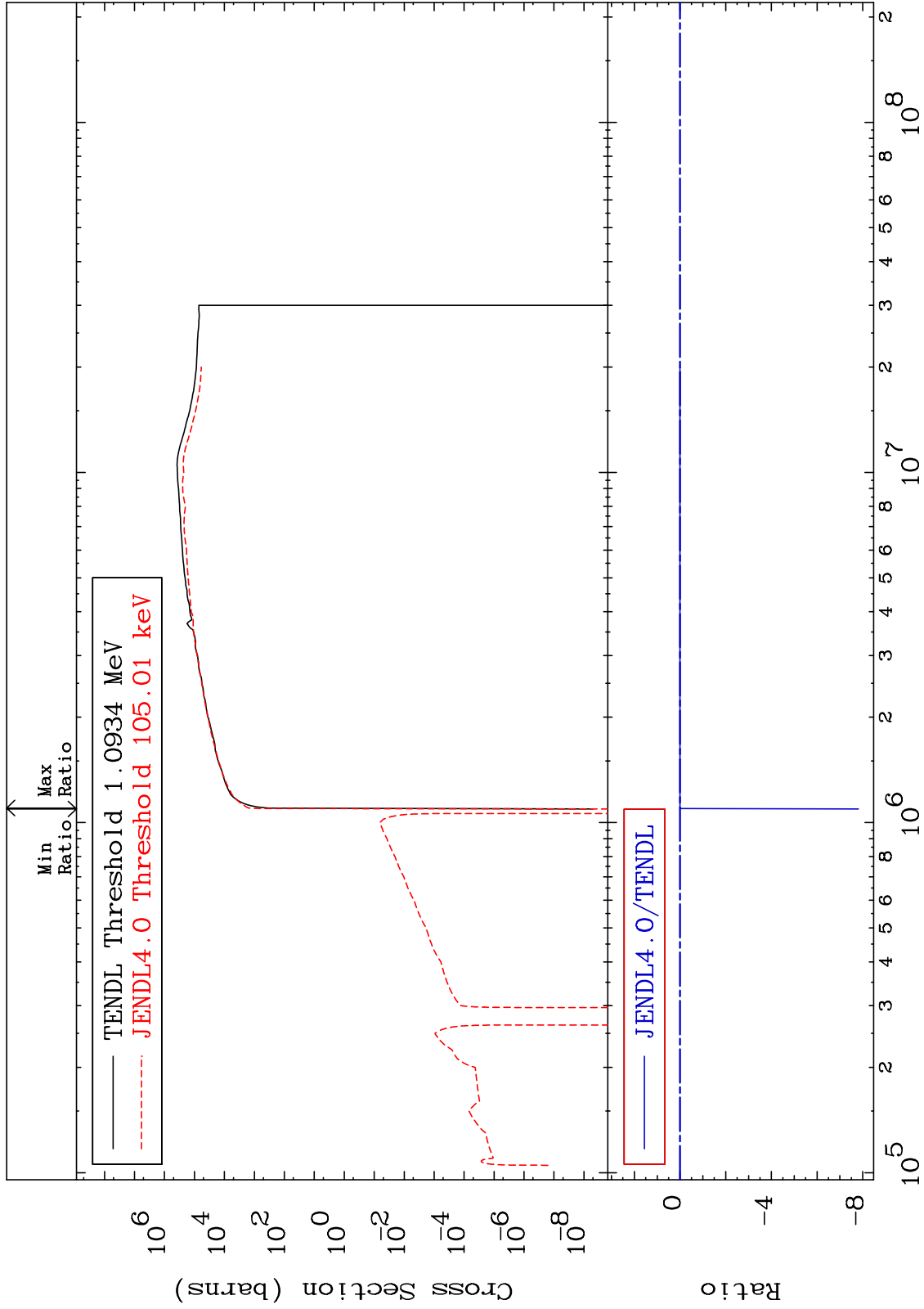
Incident Energy (eV)

30-Zn-68

MAT 3037

Kerma inelastic (mt51-91)
Cross Section

30-Zn-68
-9999. To 376.0 %



53

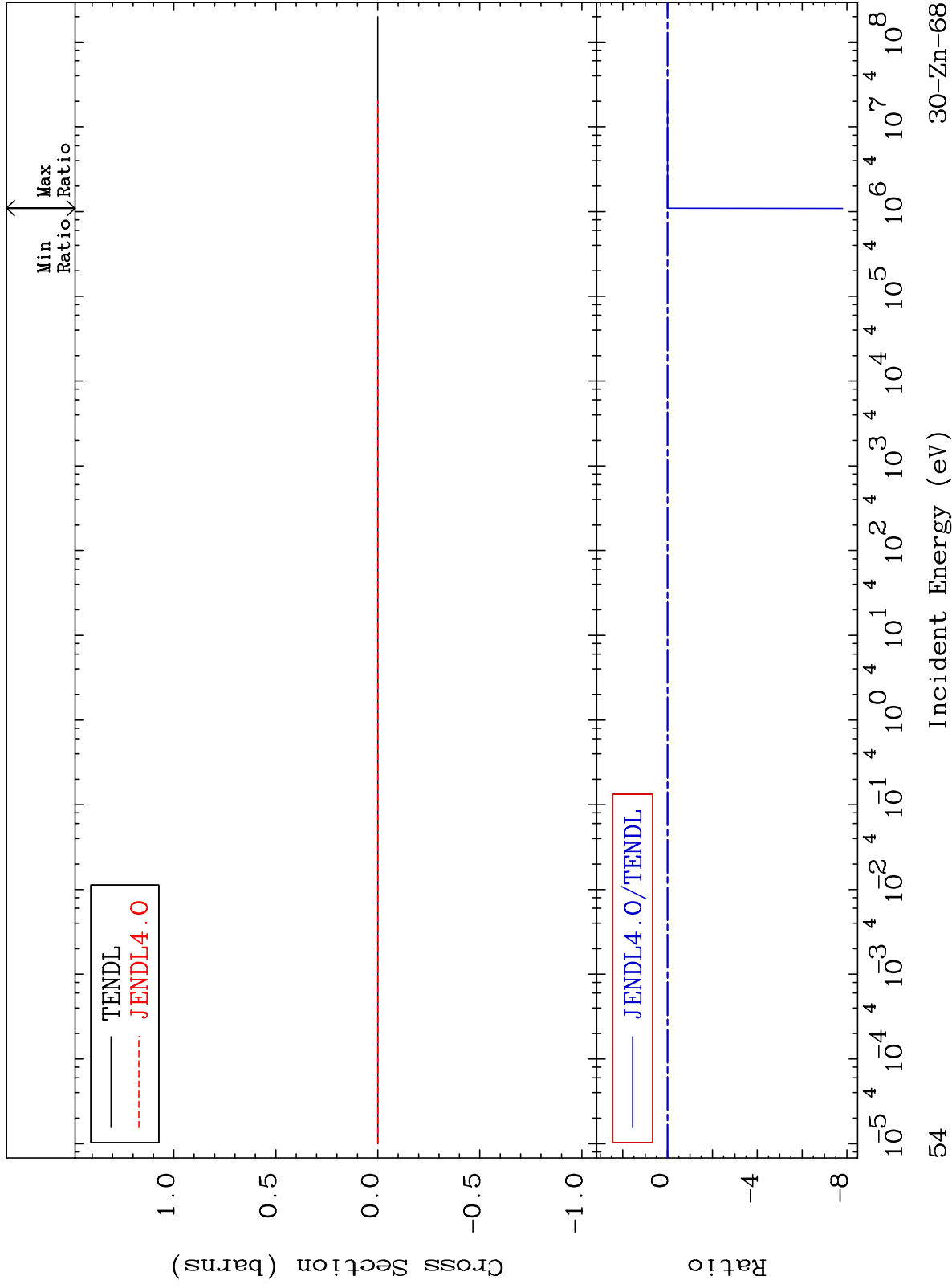
Incident Energy (eV)

30-Zn-68

MAT 3037

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

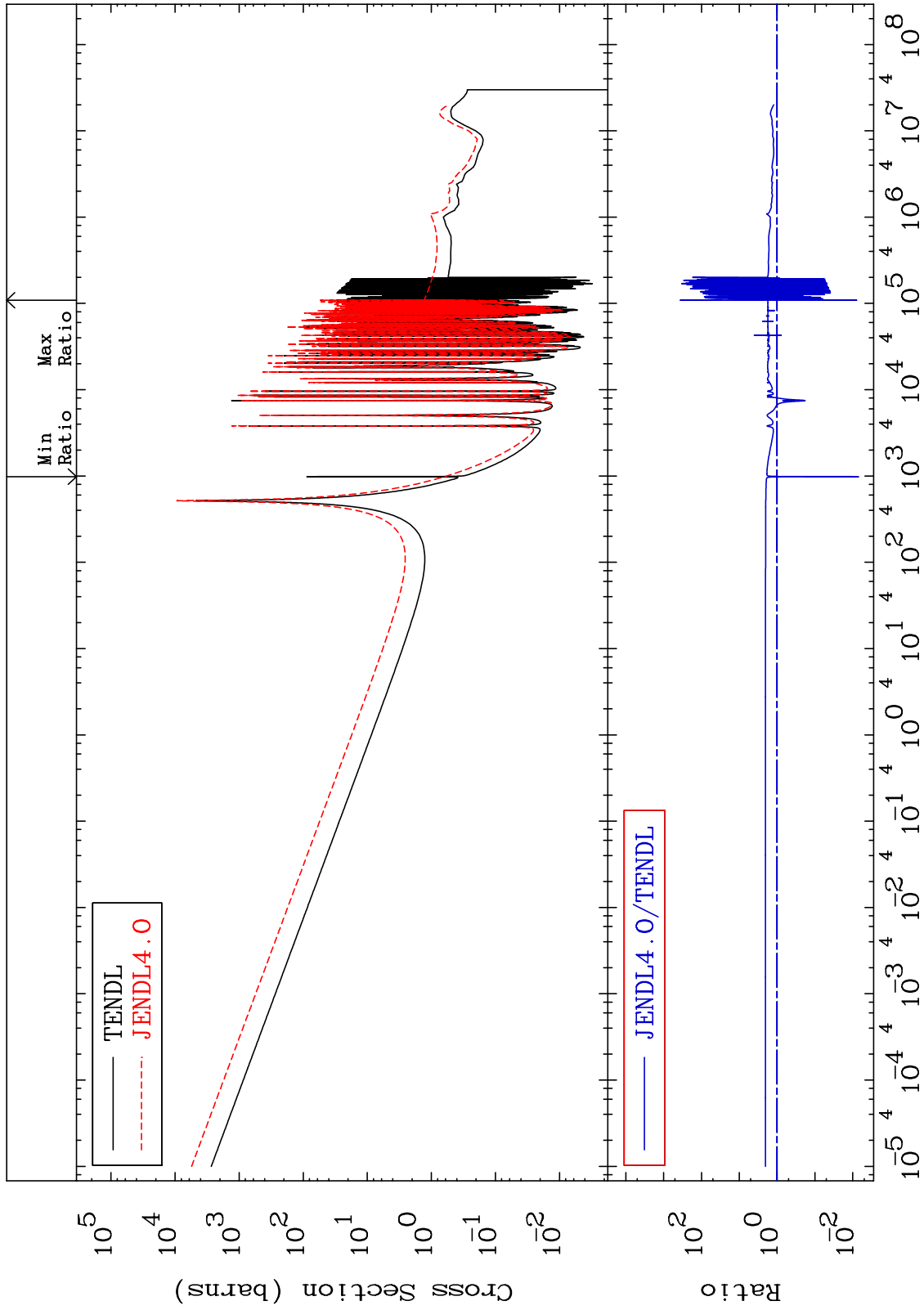
30-Zn-68
-9999. To 376.0 %



MAT 3037

Kerma capture (mt102)
Cross Section

30-Zn-68
-99.29 To 9999. %



55

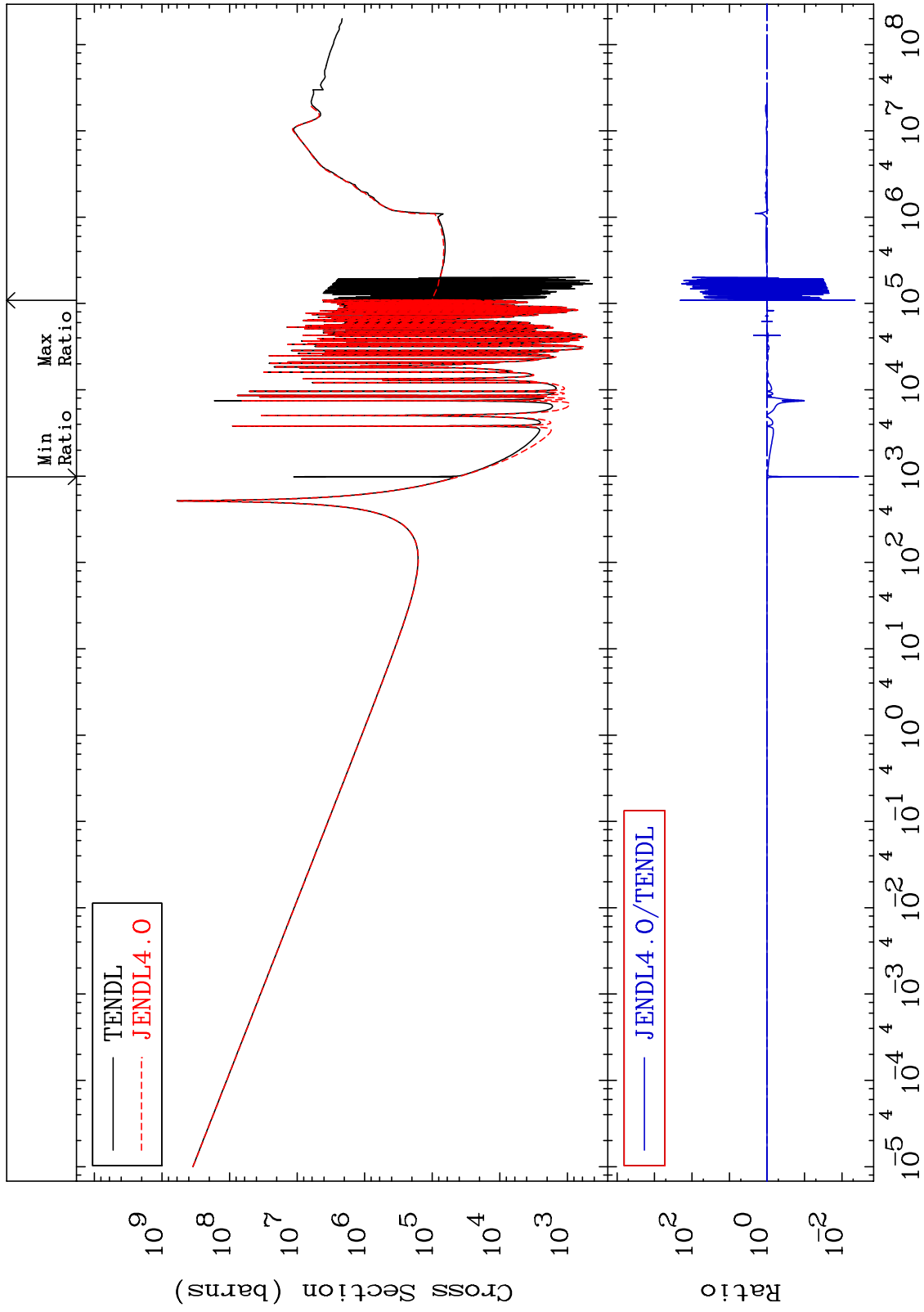
Incident Energy (eV)

30-Zn-68

MAT 3037

Total photon (eV-barns)
Cross Section

30-Zn-68
-99.64 To 9999. %



56

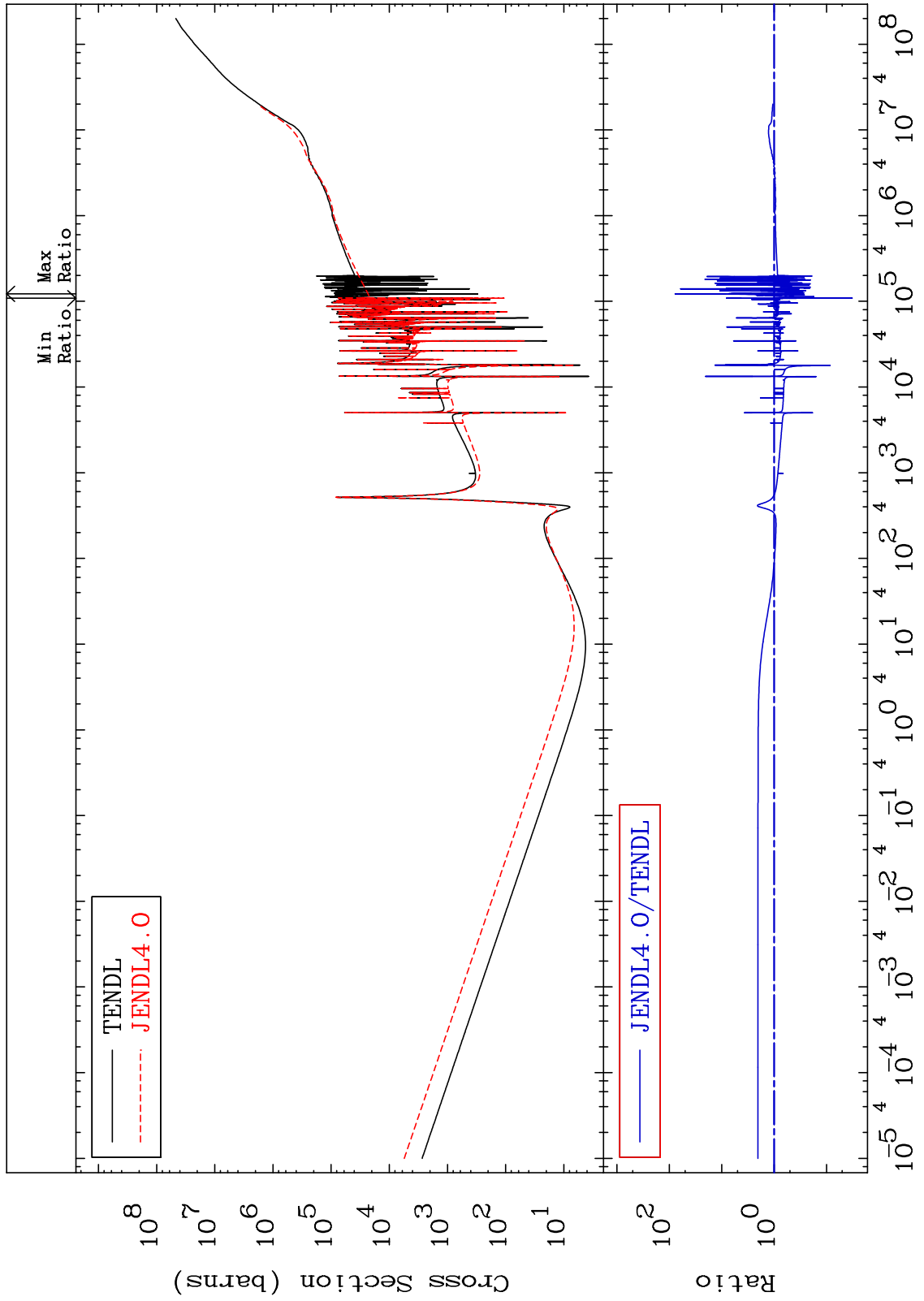
Incident Energy (eV)

30-Zn-68

MAT 3037

Total kinematic kerma (high limit)
Cross Section

30-Zn-68
-96.79 To 7595. %



57

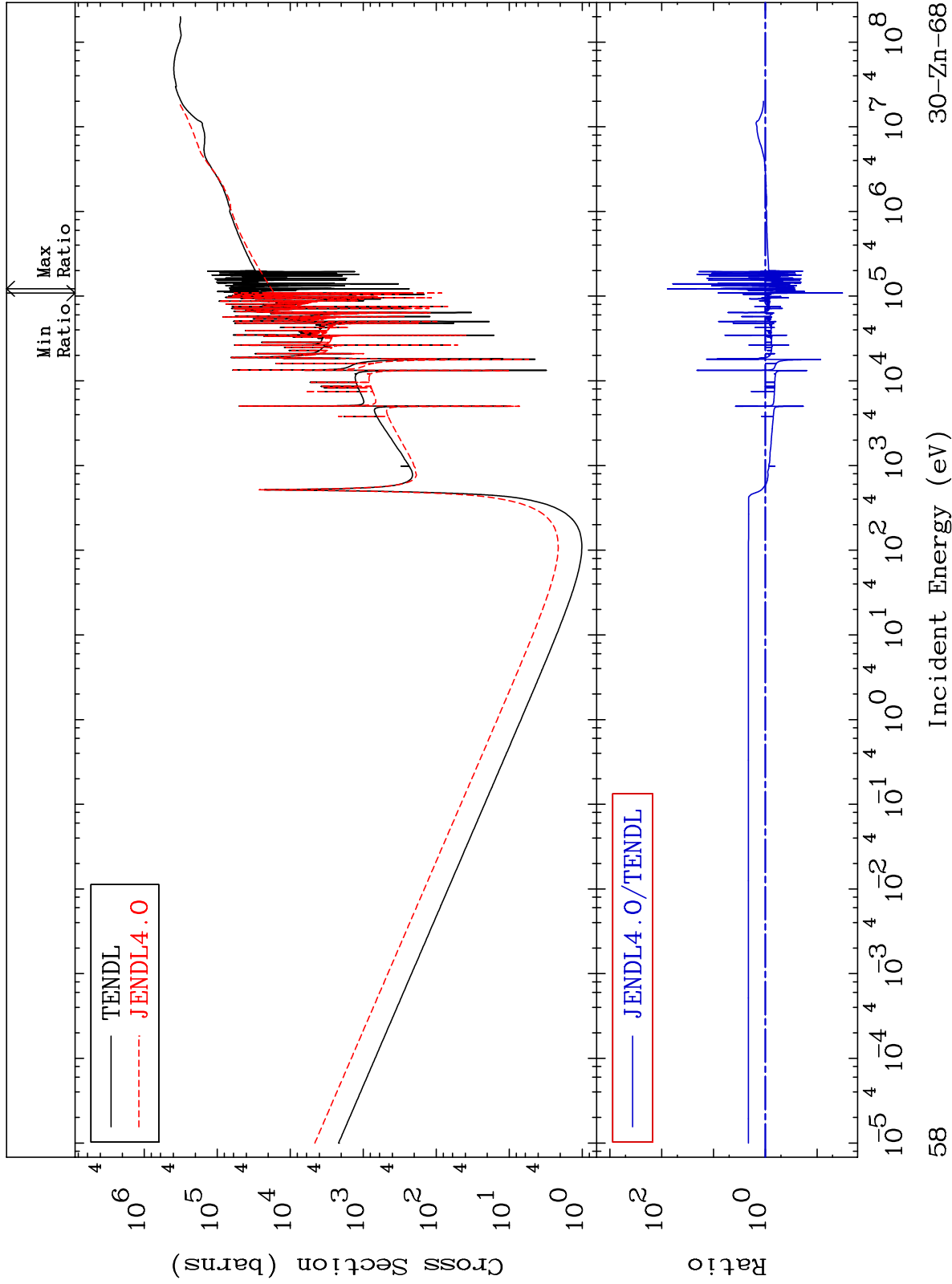
Incident Energy (eV)

30-Zn-68

MAT 3037

Dpa total (eV-barns)
Cross Section

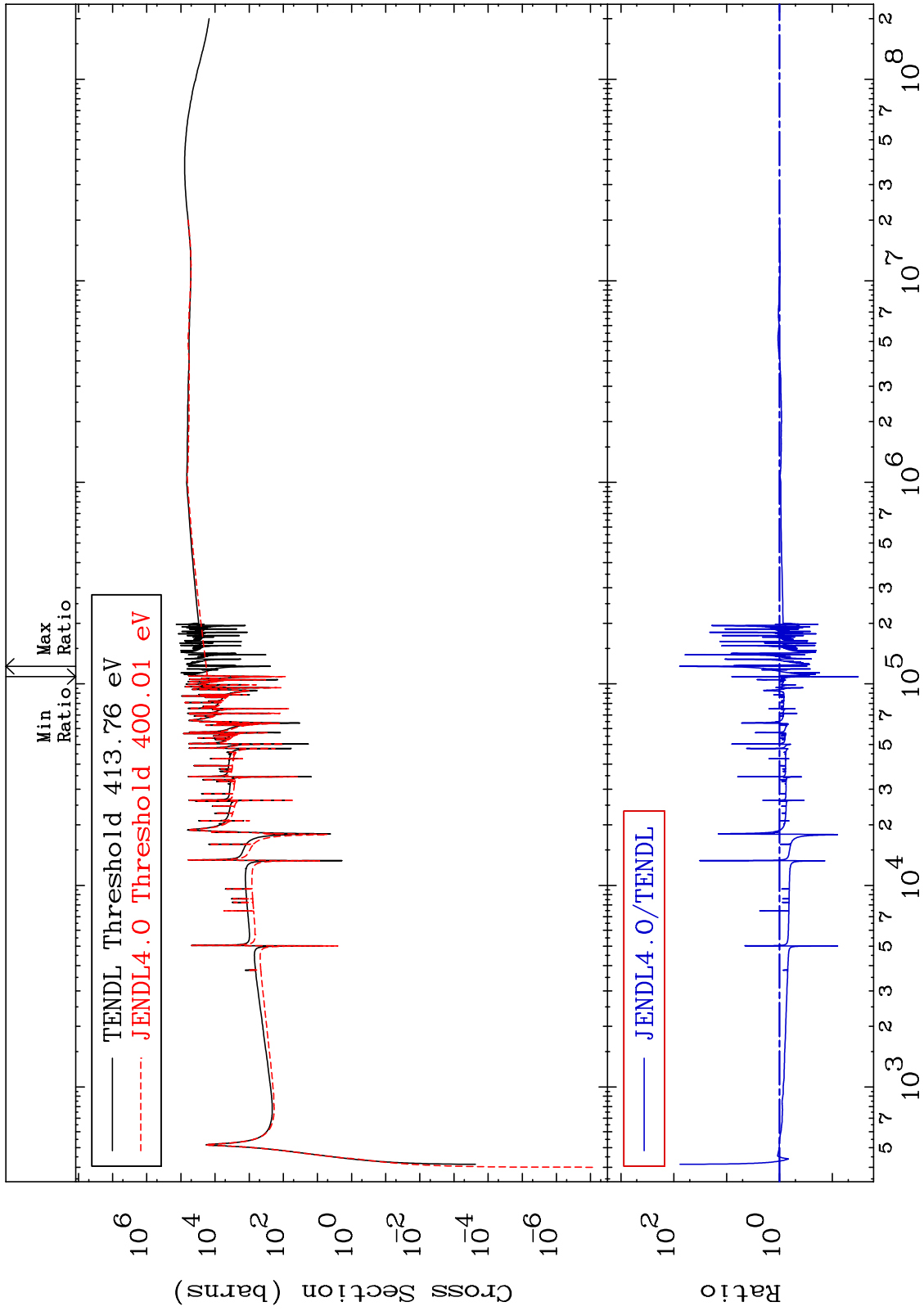
30-Zn-68
-96.80 To 7594. %



MAT 3037

Dpa elastic (mt2)
Cross Section

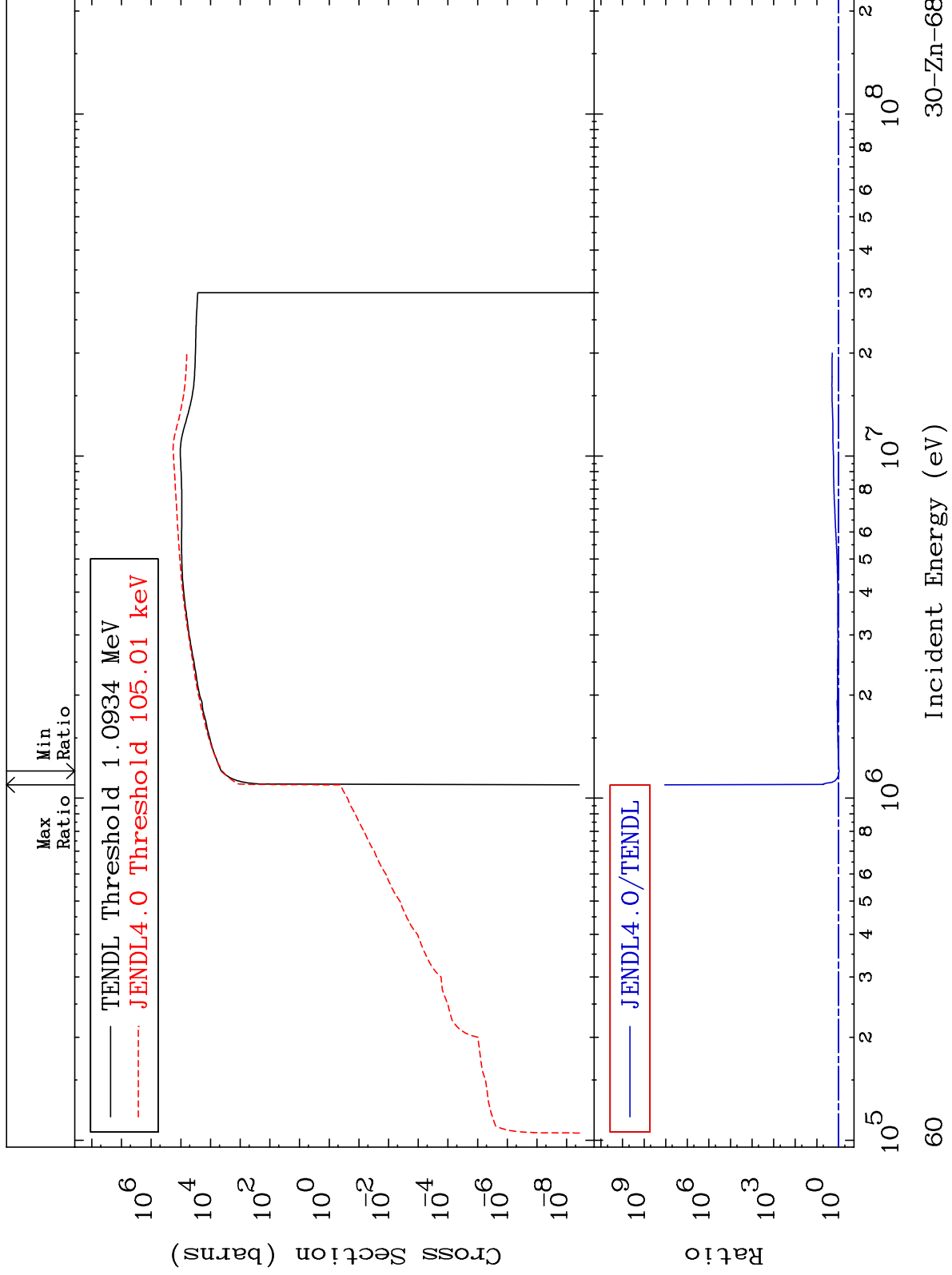
30-Zn-68
-96.77 To 7595. %



MAT 3037

Dpa inelastic (mt51-91)
Cross Section

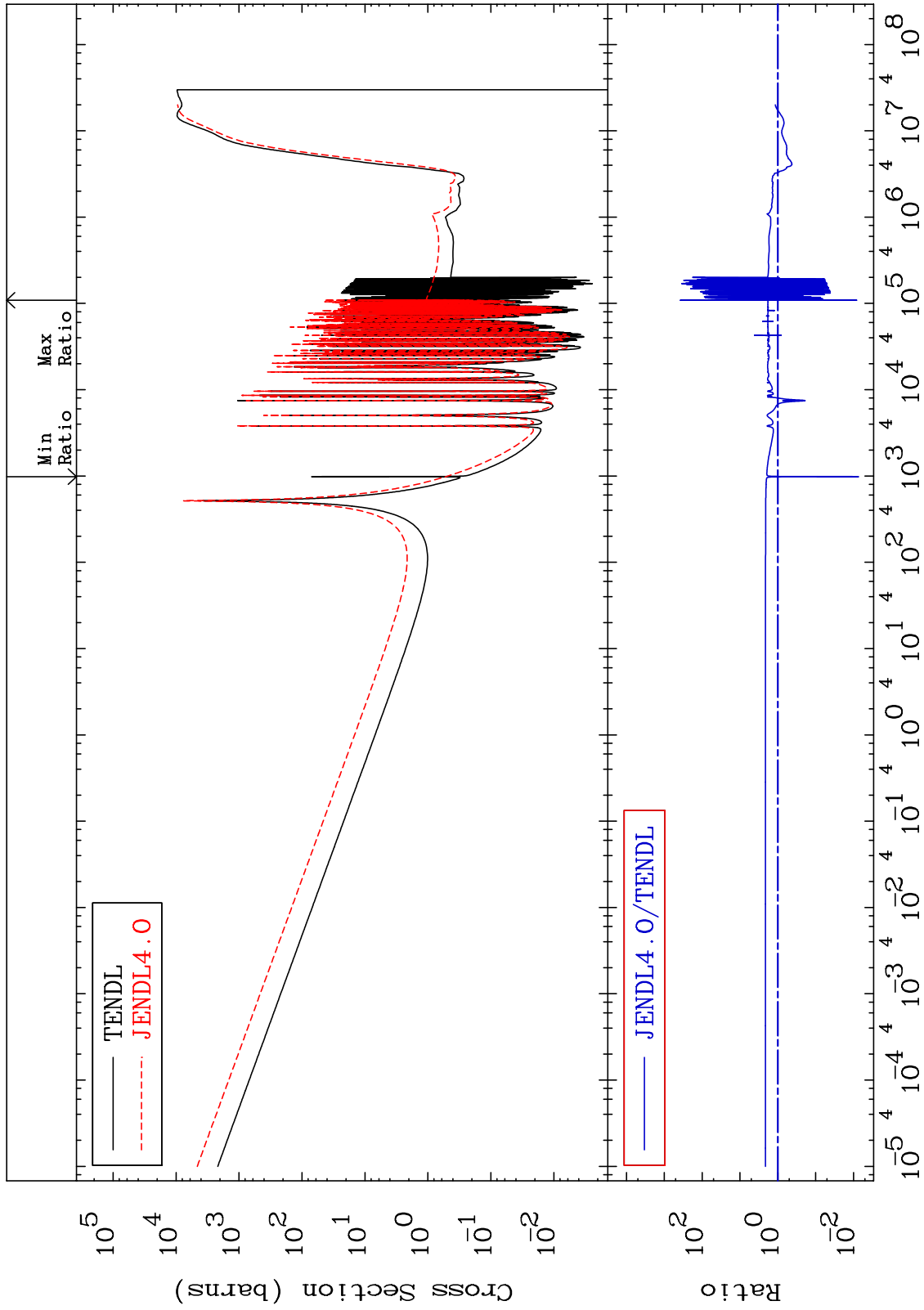
30-Zn-68
-7.288 To 9999. %



MAT 3037

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-68
-99.26 To 9999. %



61

Incident Energy (eV)

30-Zn-68

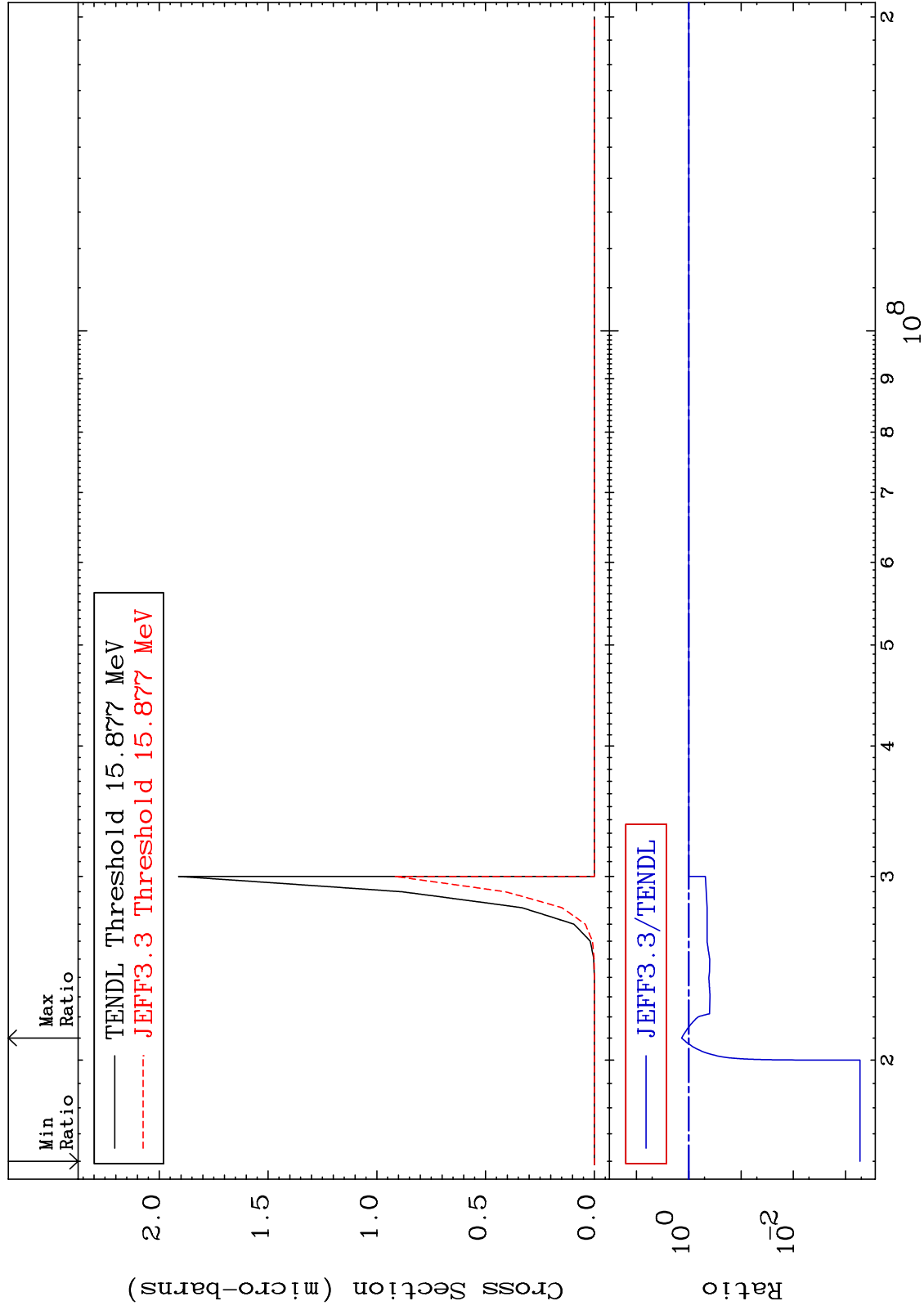
MAT 3037

(n,d) α

30-Zn-68

Cross Section

-99.95 To 36.83 %



62

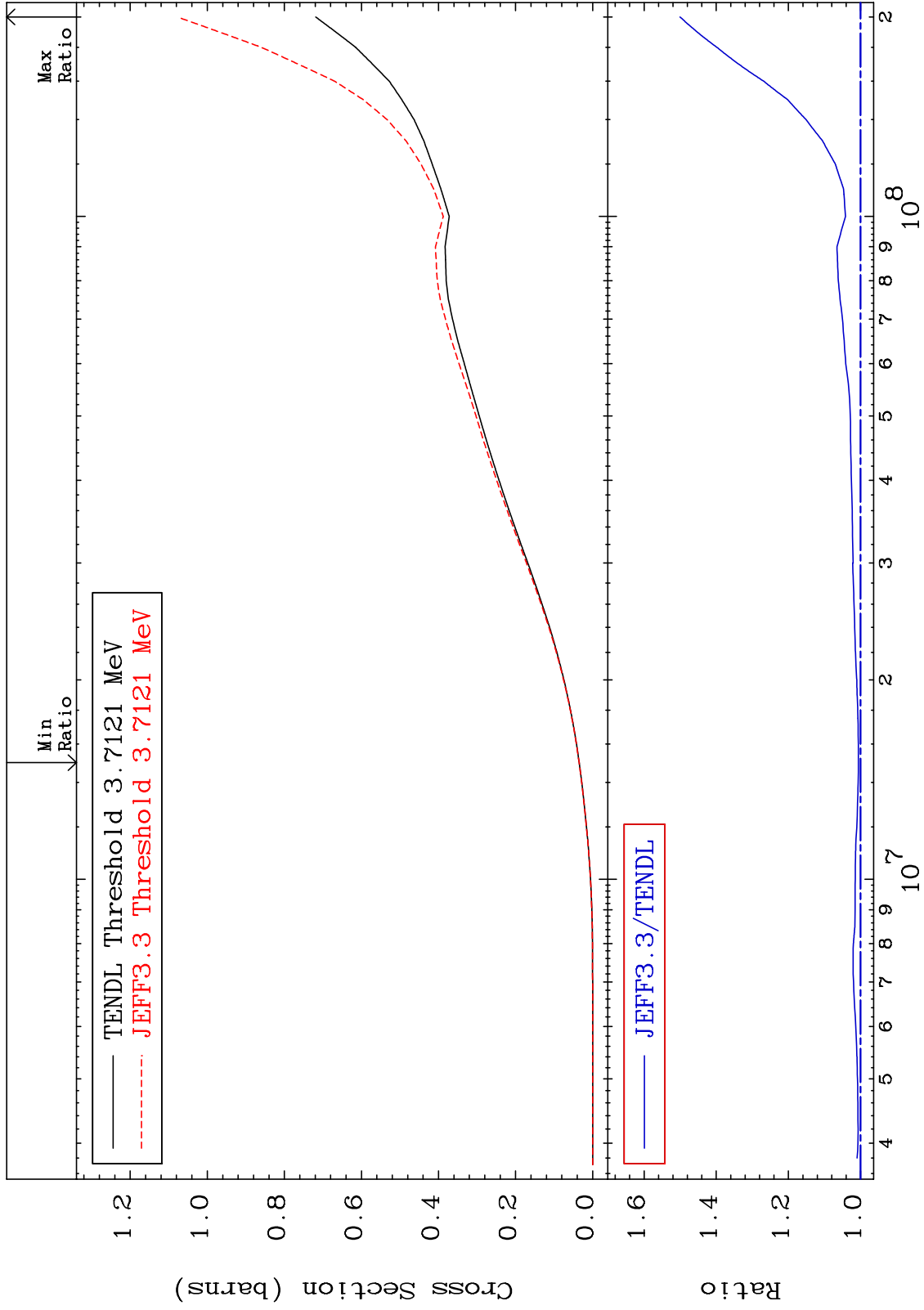
Incident Energy (eV)

30-Zn-68

MAT 3037

Hydrogen Production
Cross Section

0.607 To 50.04 %
30-Zn-68



63

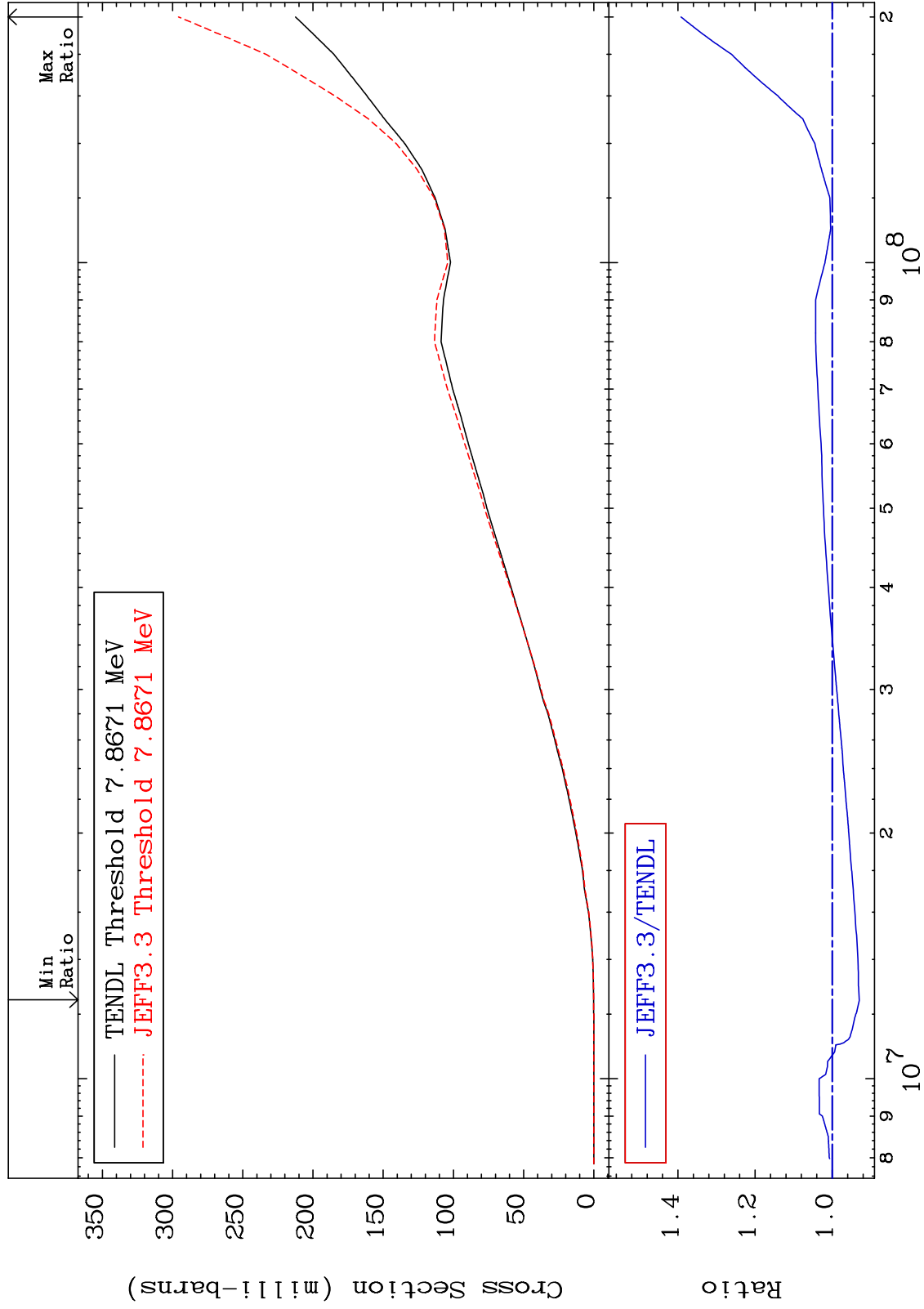
Incident Energy (eV)

30-Zn-68

MAT 3037

Deuterium Production
Cross Section

30-Zn-68
-7.014 To 39.20 %



64

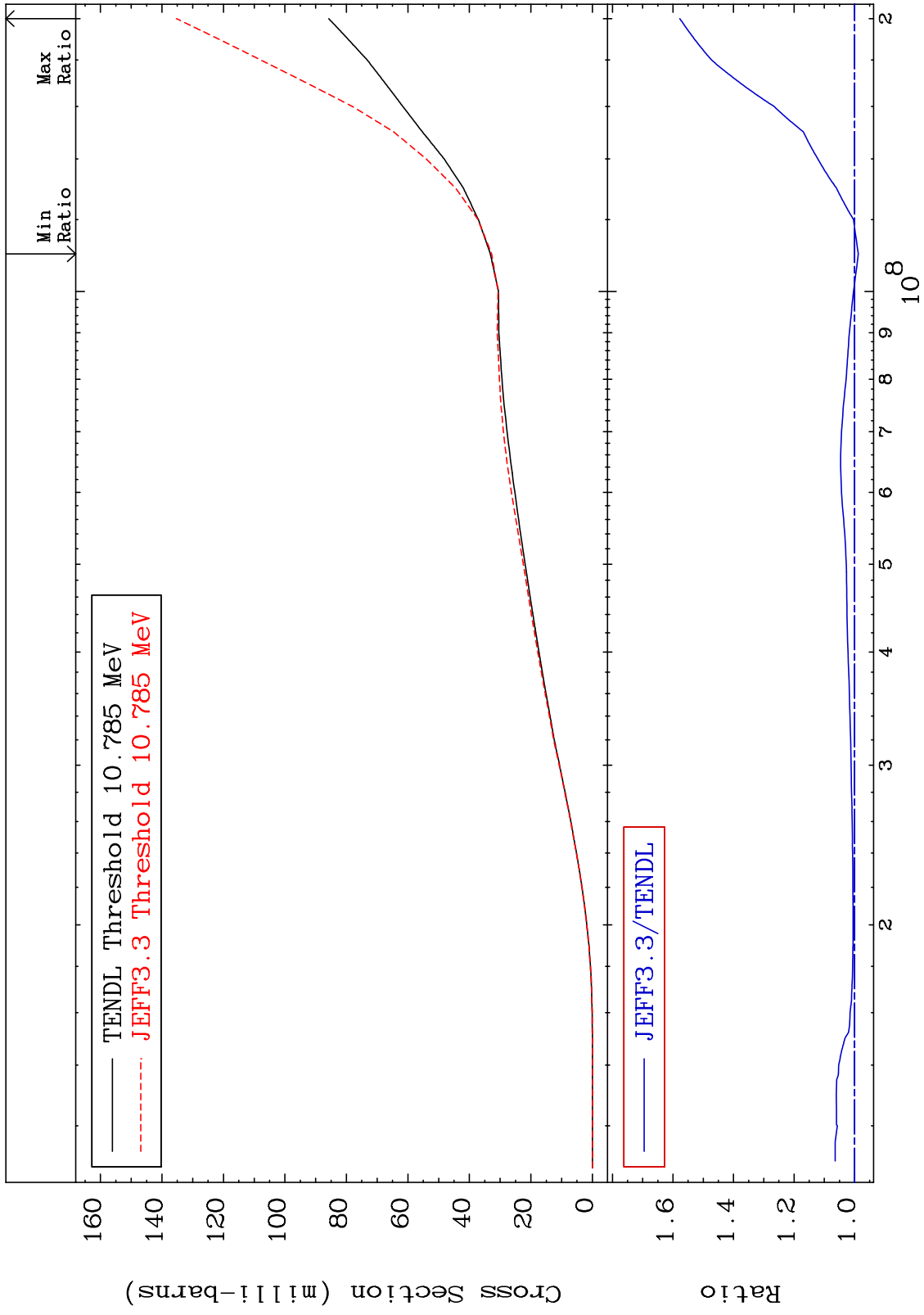
Incident Energy (eV)

30-Zn-68

MAT 3037

Tritium Production
Cross Section

30-Zn-68
-1.252 To 57.75 %



65

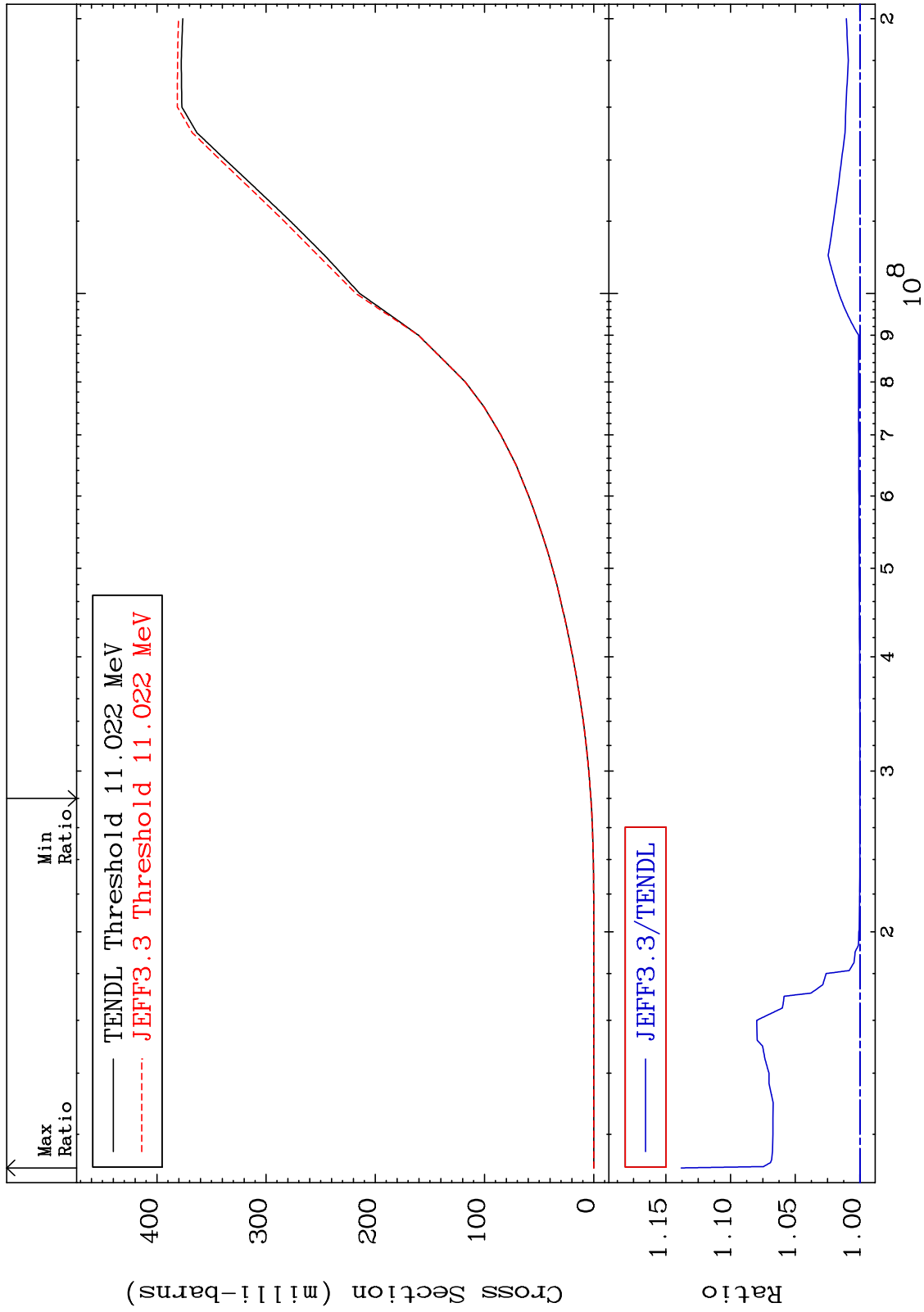
Incident Energy (eV)

30-Zn-68

MAT 3037

He-3 Production
Cross Section

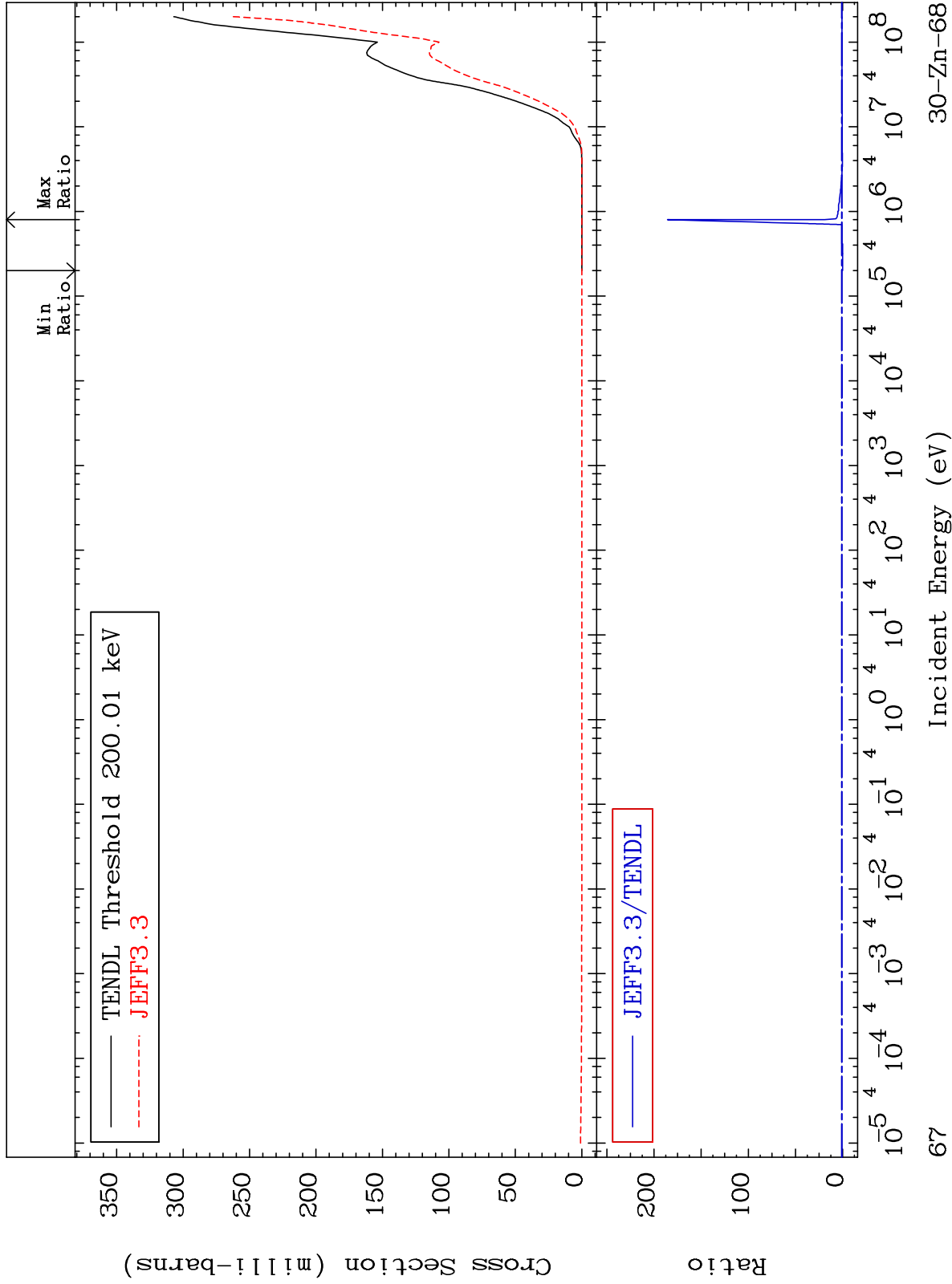
30-Zn-68
0.000 To 13.81 %



MAT 3037

He-4 Production
Cross Section

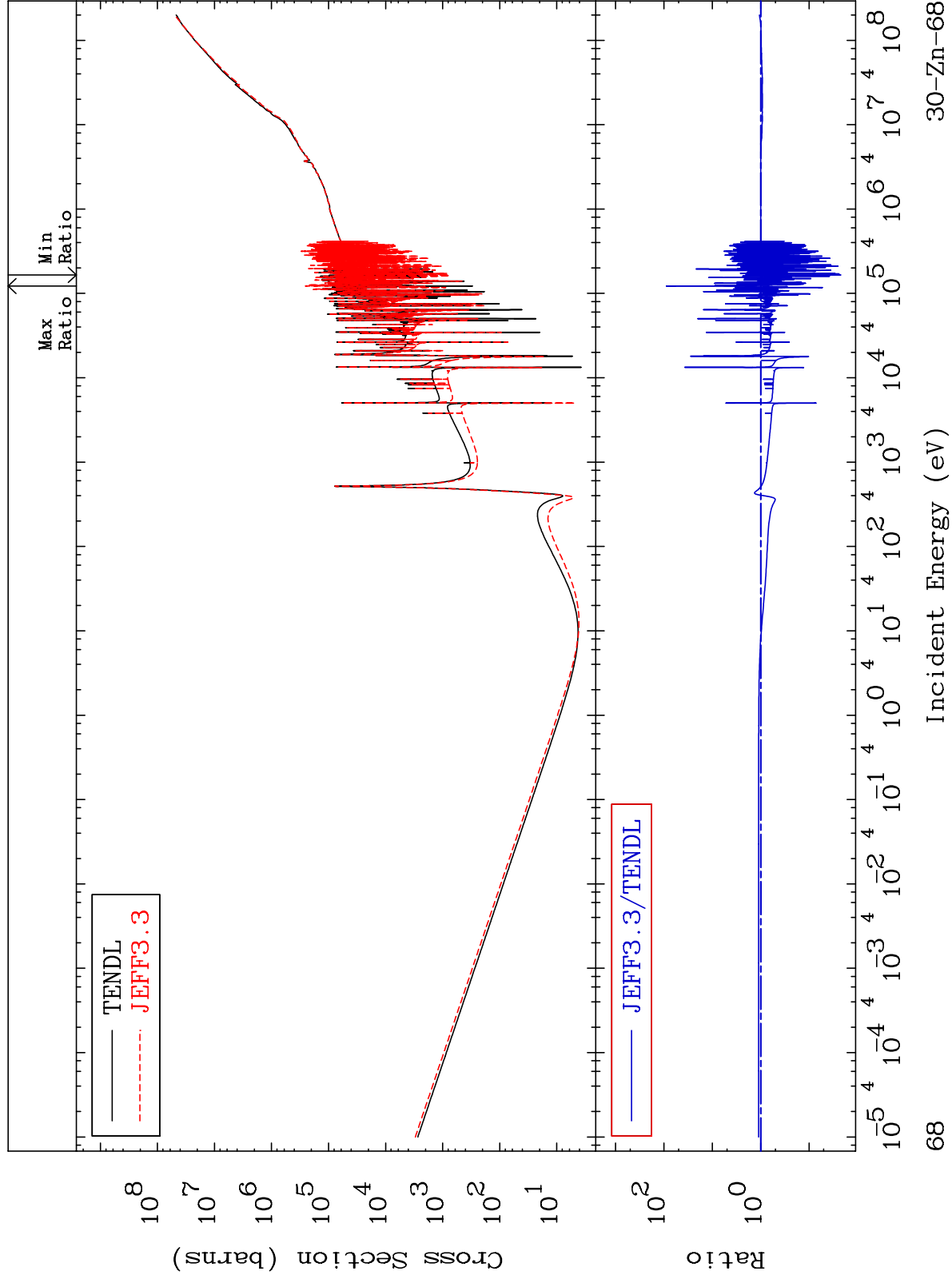
30-Zn-68
-100.0 To 9999. %



MAT 3037

Kerma total (eV-barns)
Cross Section

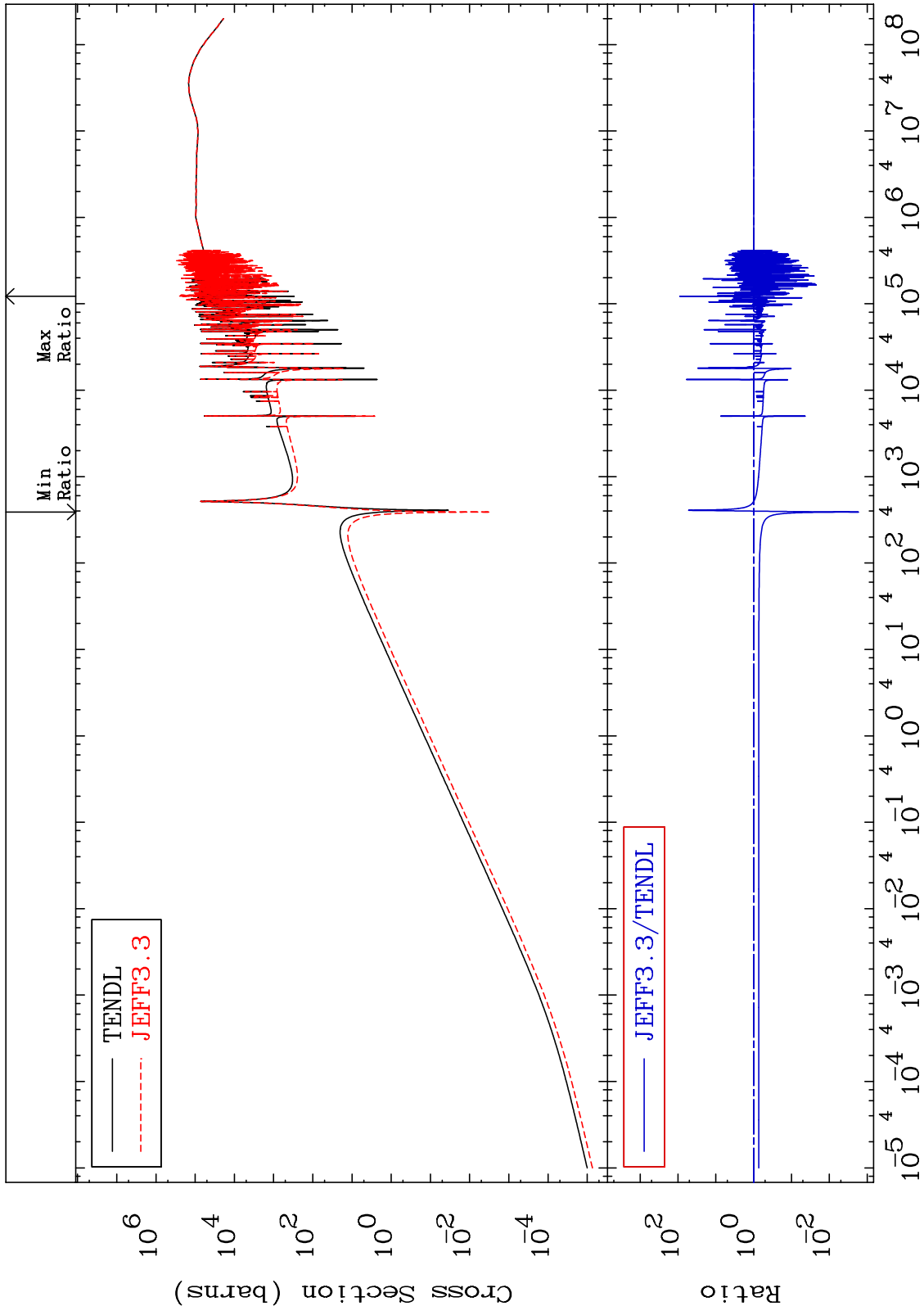
30-Zn-68
-97.77 To 8852. %



MAT 3037

Kerma elastic
Cross Section

30-Zn-68
-99.83 To 8854. %



69

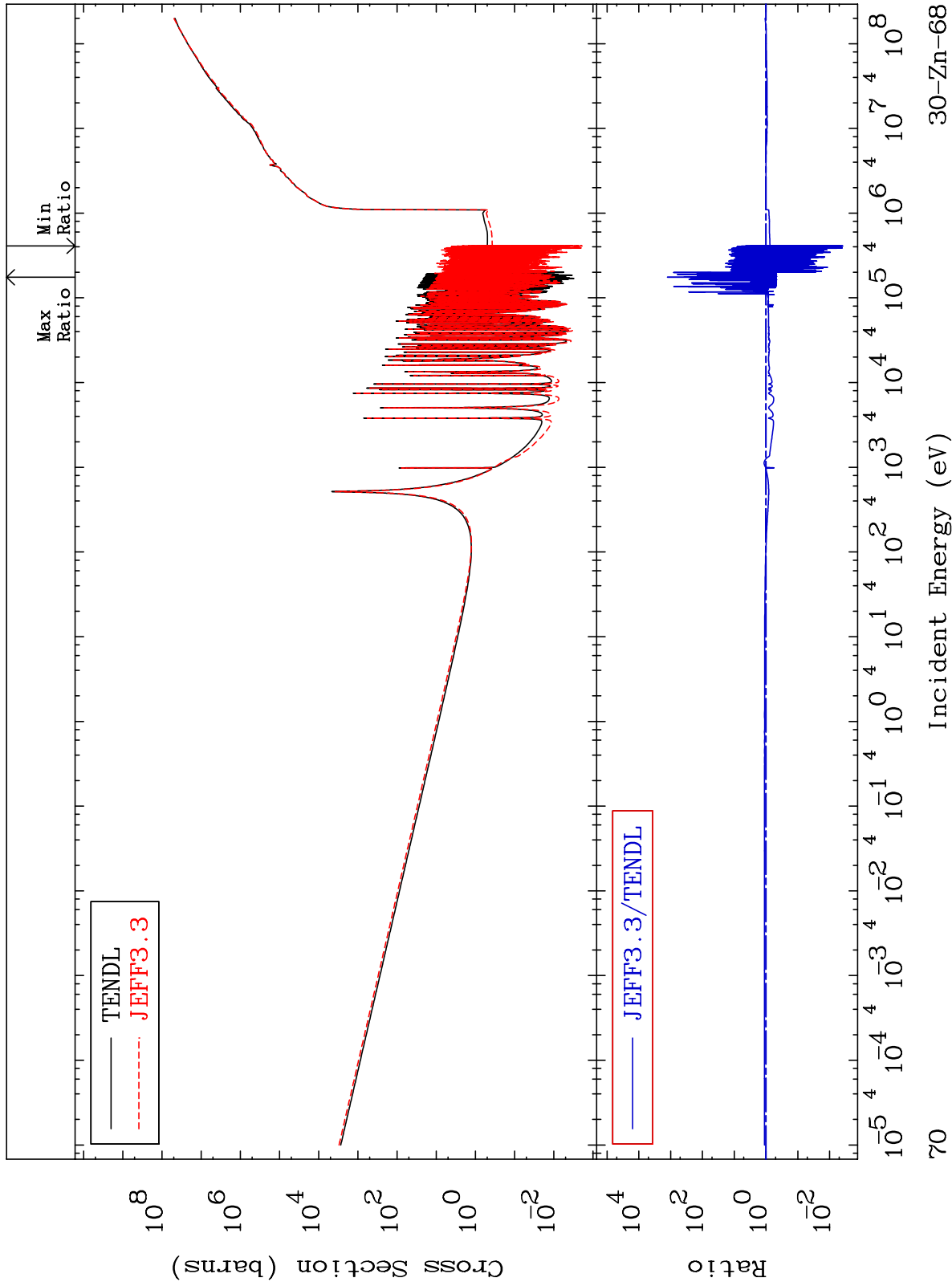
Incident Energy (eV)

30-Zn-68

MAT 3037

Kerma non-elastic (all but mt2)
Cross Section

30-Zn-68
-99.61 To 9999. %



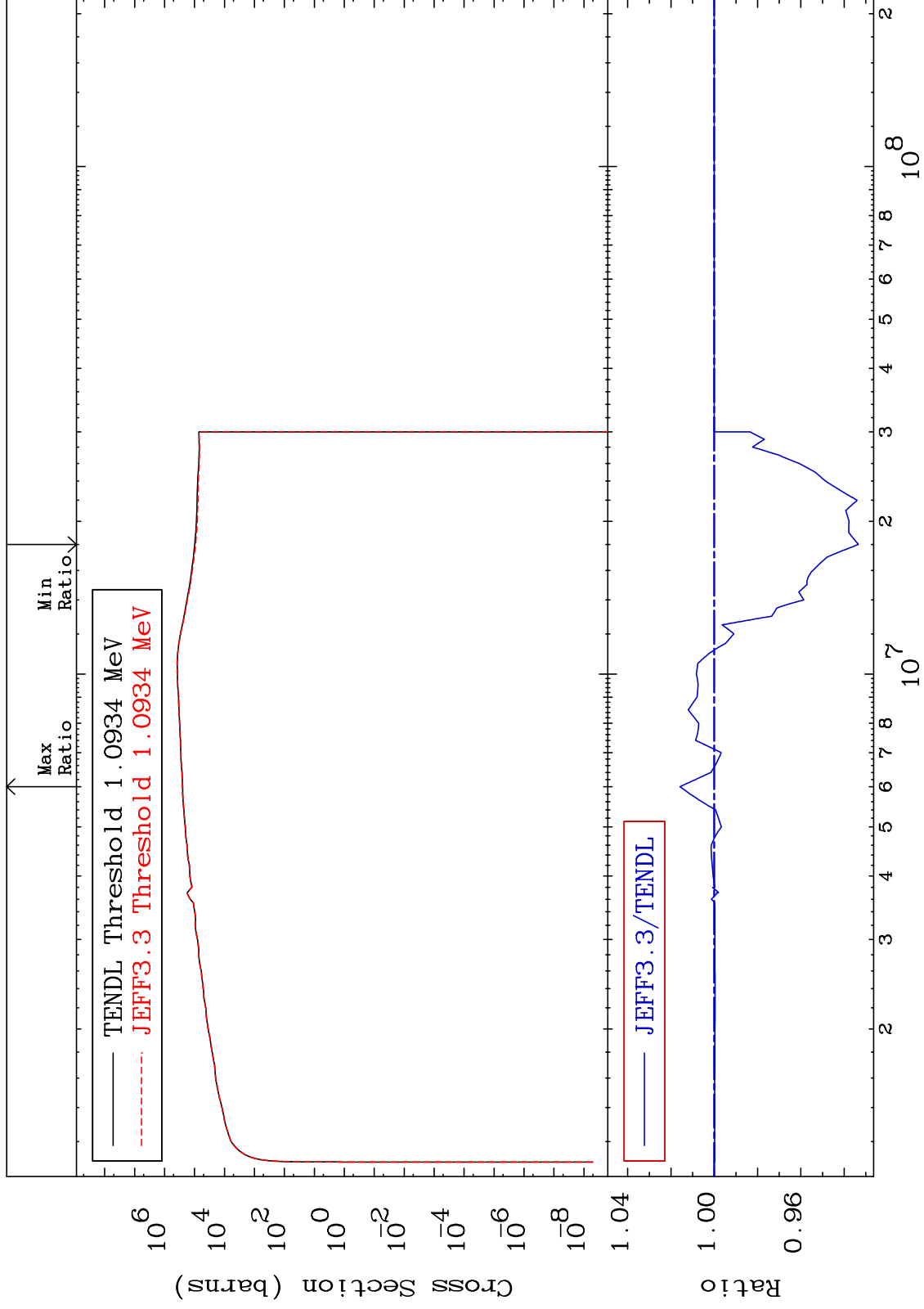
70

30-Zn-68

MAT 3037

Kerma inelastic (mt51-91)
Cross Section

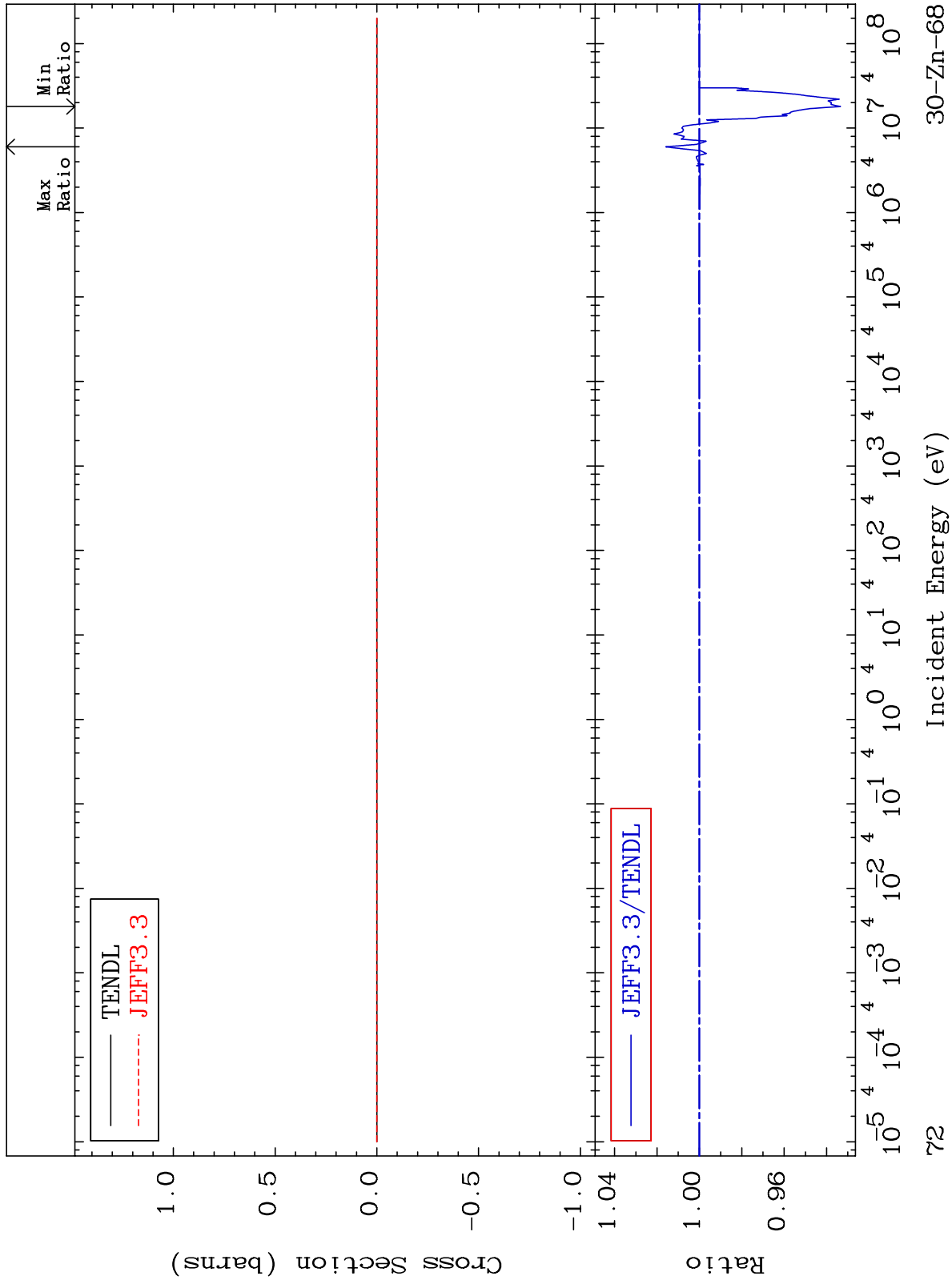
30-Zn-68
-6.657 To 1.583 %



MAT 3037

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

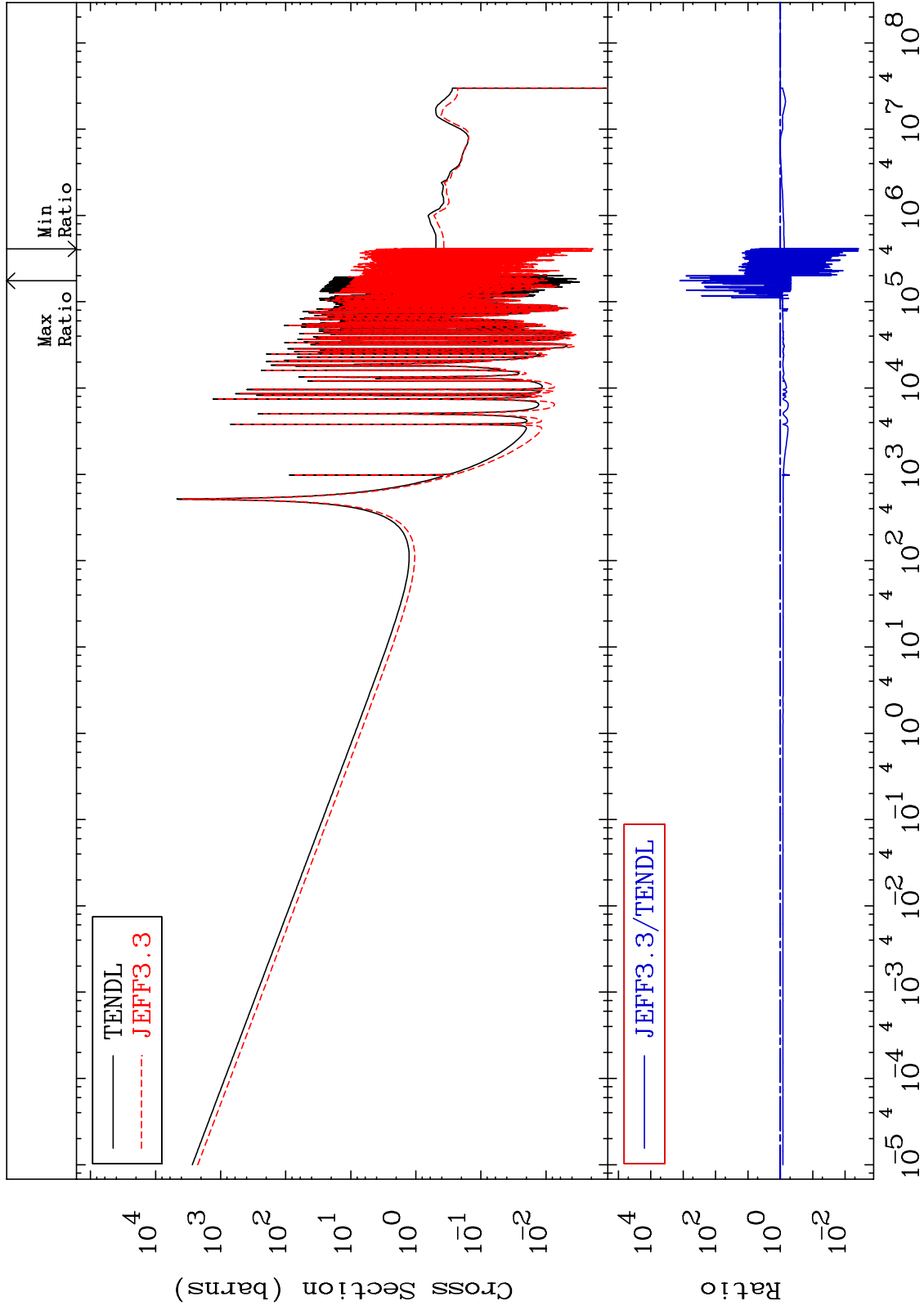
30-Zn-68
-6.657 To 1.583 %



MAT 3037

Kerma capture (mt102)
Cross Section

30-Zn-68
-99.61 To 9999. %



73

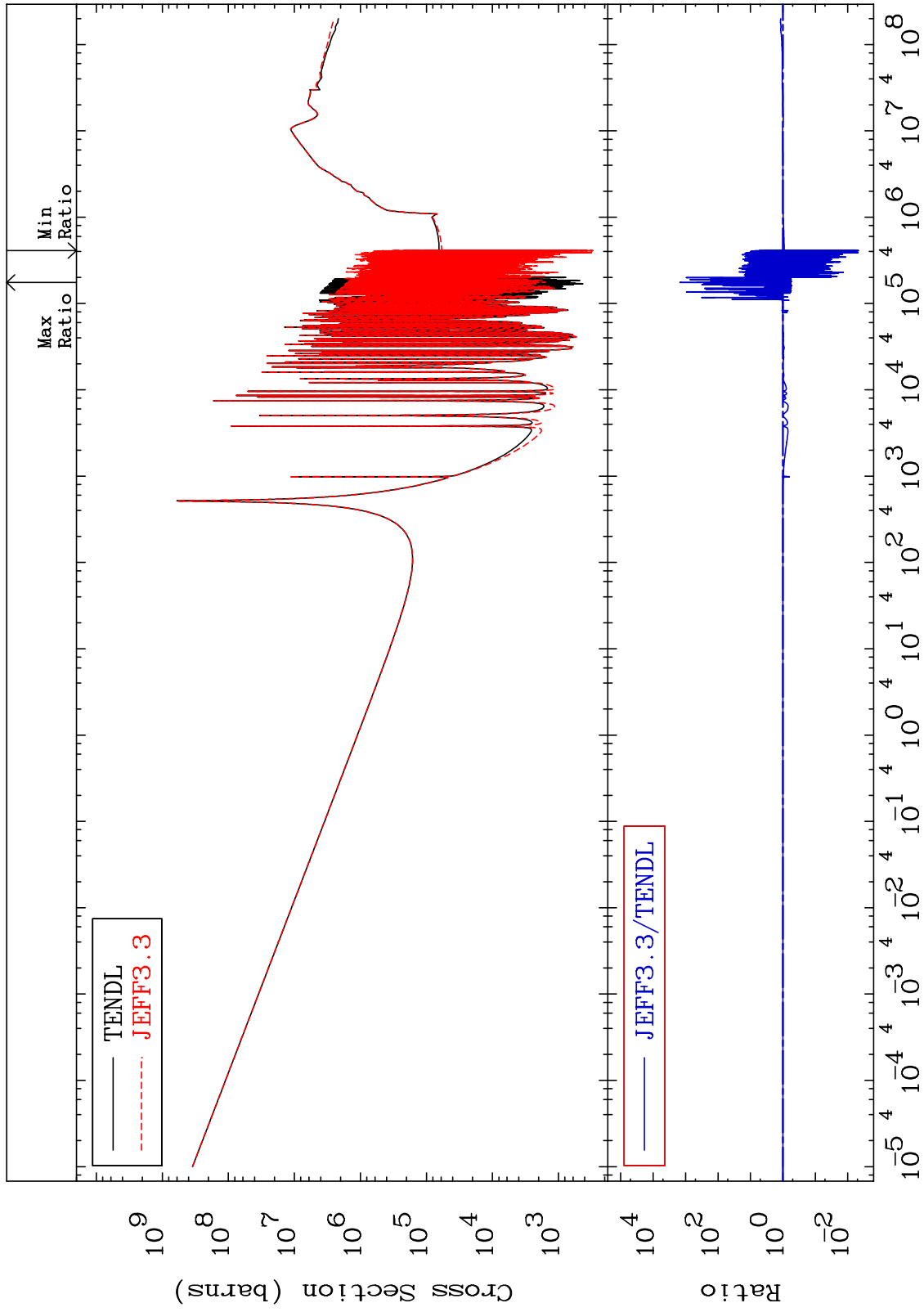
Incident Energy (eV)

30-Zn-68

MAT 3037

Total photon (eV-barns)
Cross Section

30-Zn-68
-99.53 To 9999. %



74

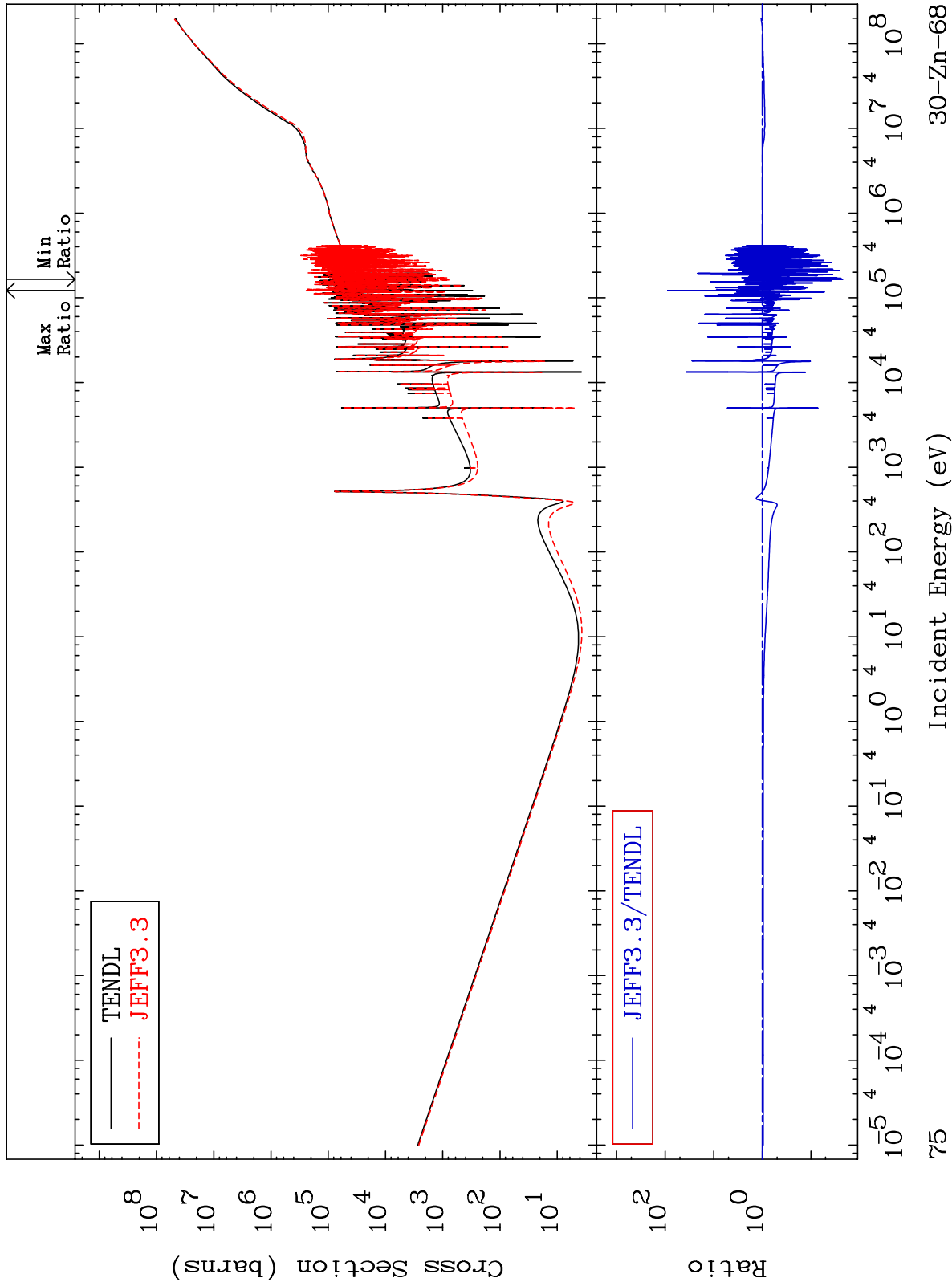
Incident Energy (eV)

30-Zn-68

MAT 3037

Total kinematic kerma (high limit)
Cross Section

30-Zn-68
-97.77 To 8852. %



75

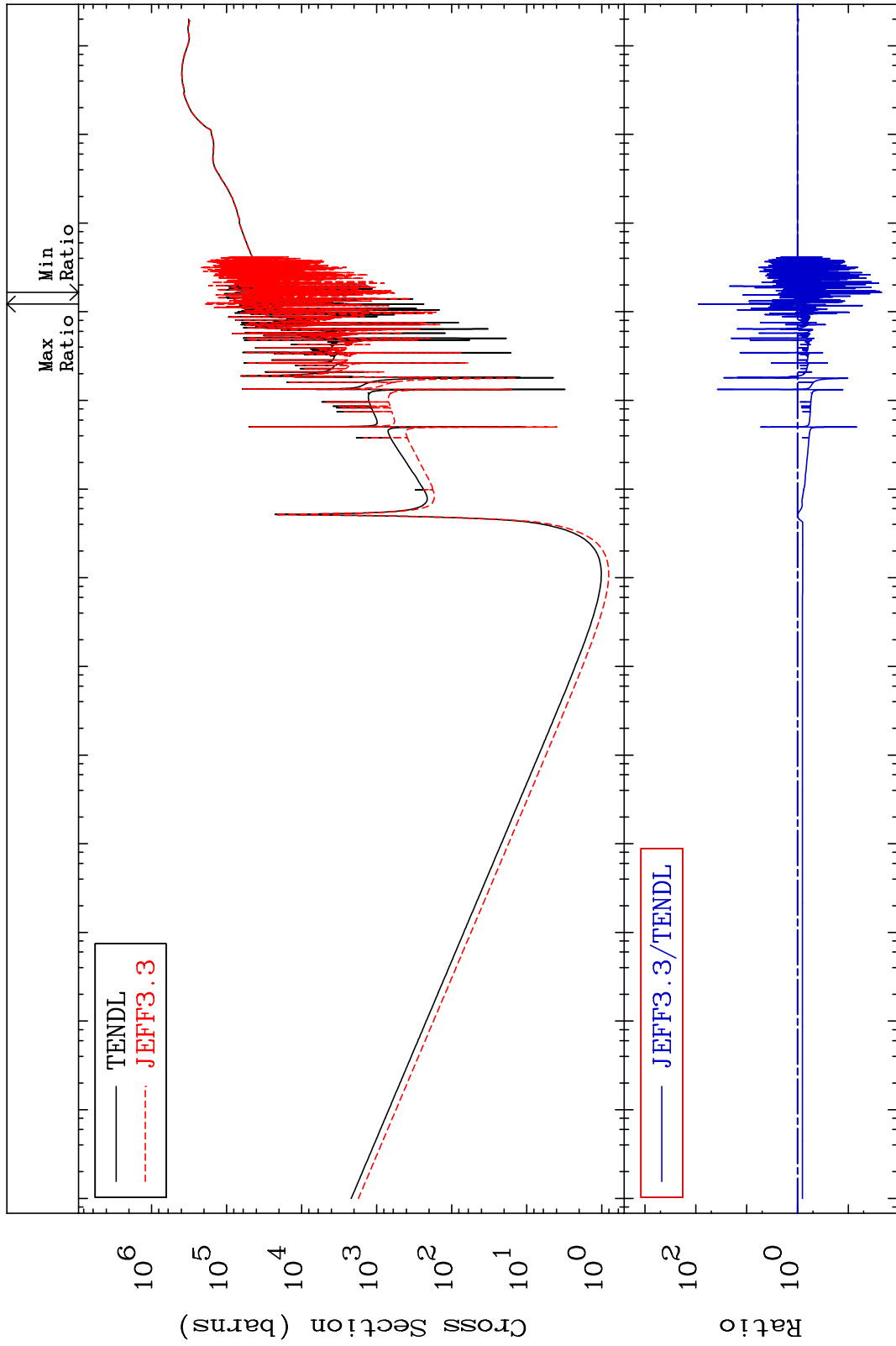
Incident Energy (eV)

30-Zn-68

MAT 3037

Dpa total (eV-barns)
Cross Section

30-Zn-68
-97.77 To 8852. %



76

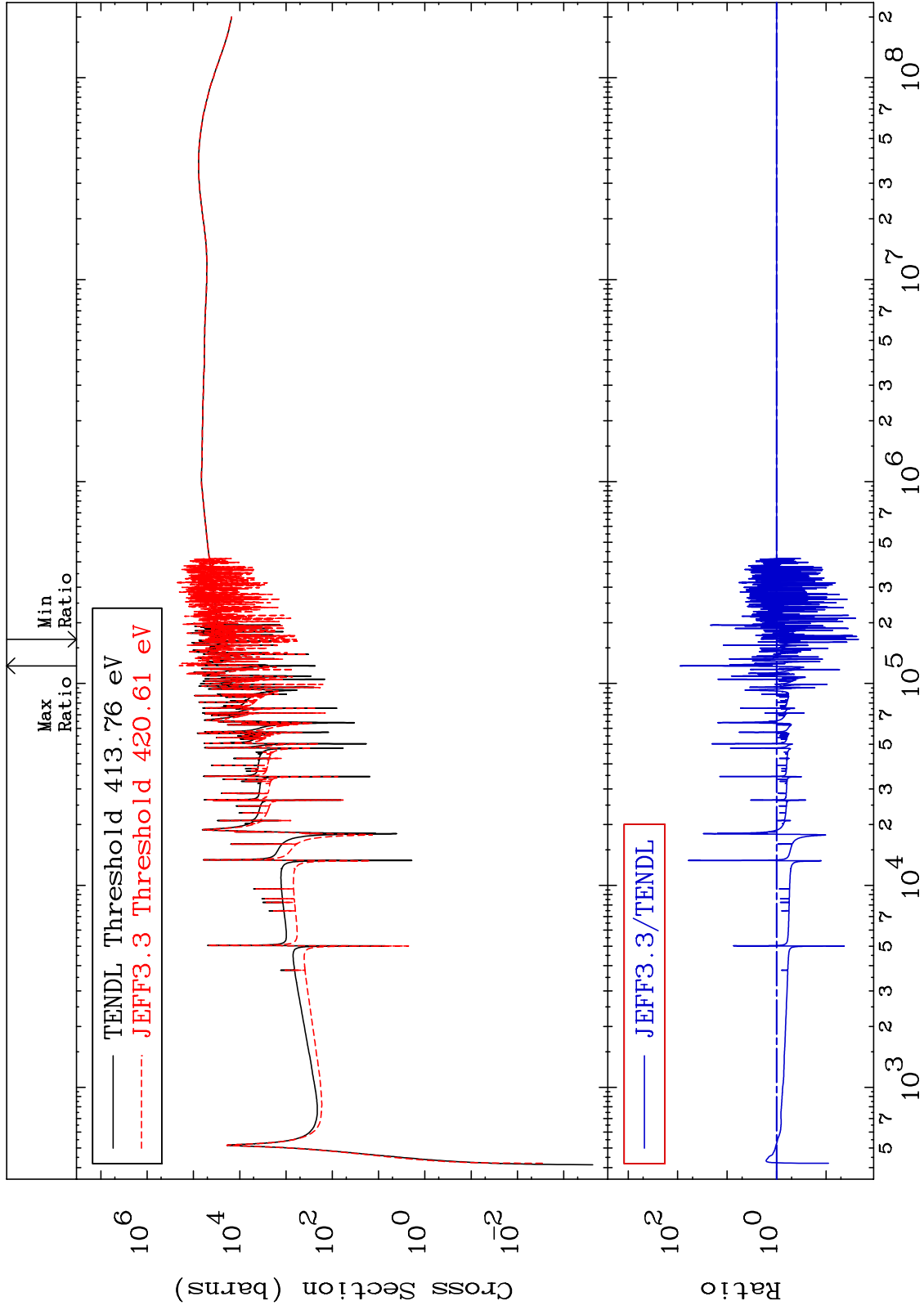
Incident Energy (eV)

30-Zn-68

MAT 3037

Dpa elastic (mt2)
Cross Section

30-Zn-68
-97.77 To 8854. %



77

Incident Energy (eV)

30-Zn-68

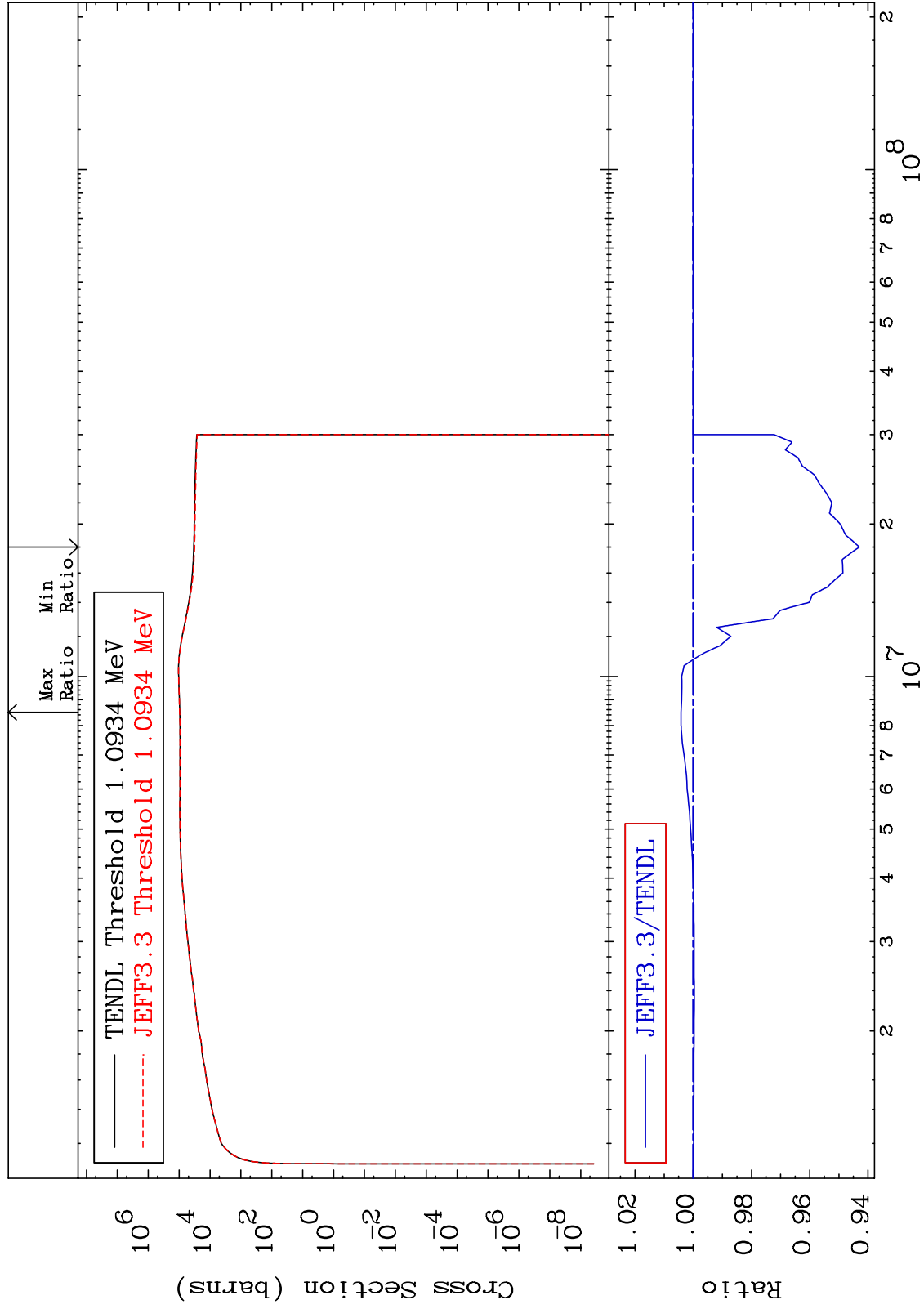
MAT 3037

Dpa inelastic (mt51-91)

30-Zn-68

-5.701 To 0.418 %

Cross Section



78

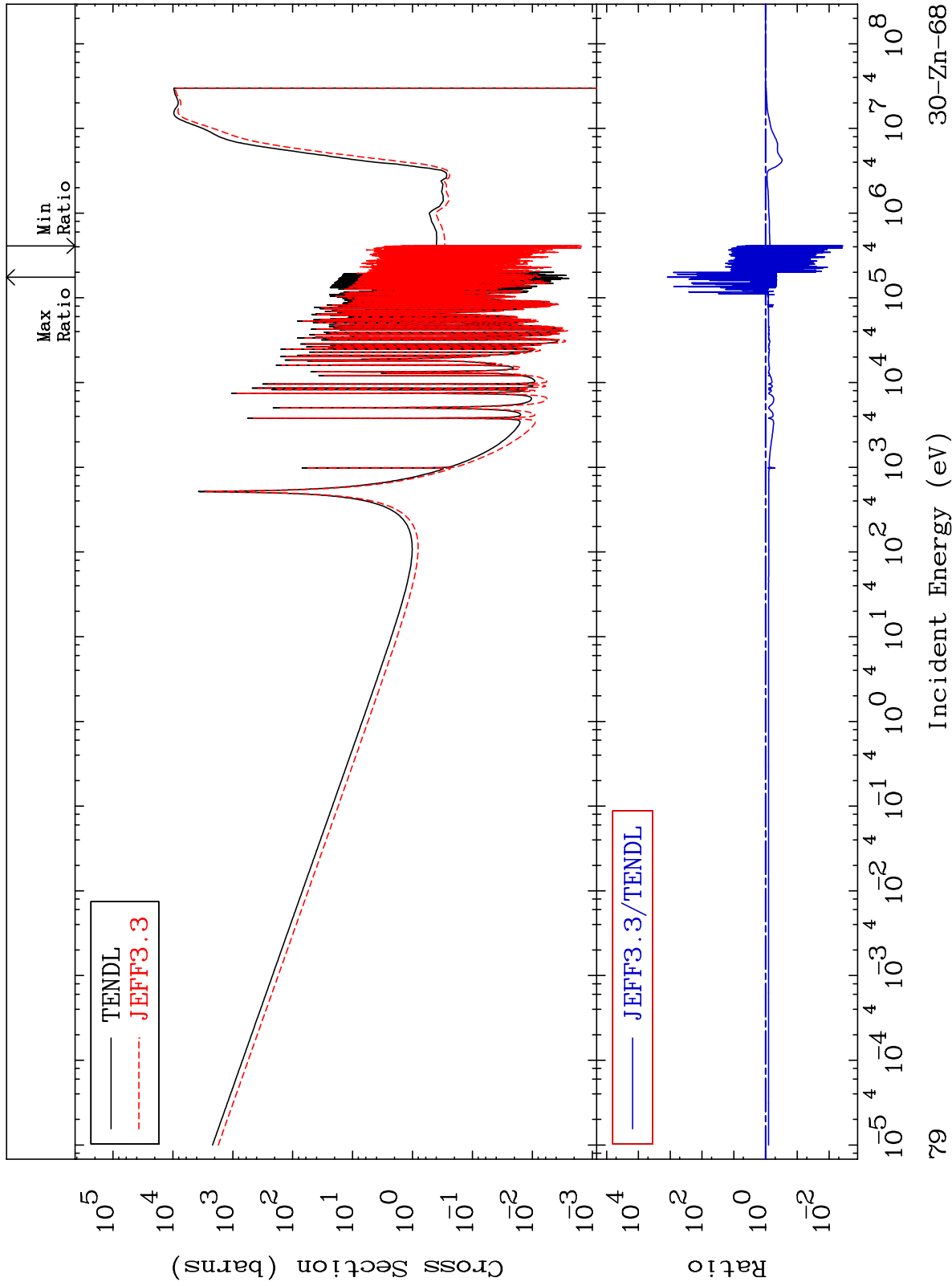
Incident Energy (eV)

30-Zn-68

MAT 3037

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-68
-99.63 To 9999. %

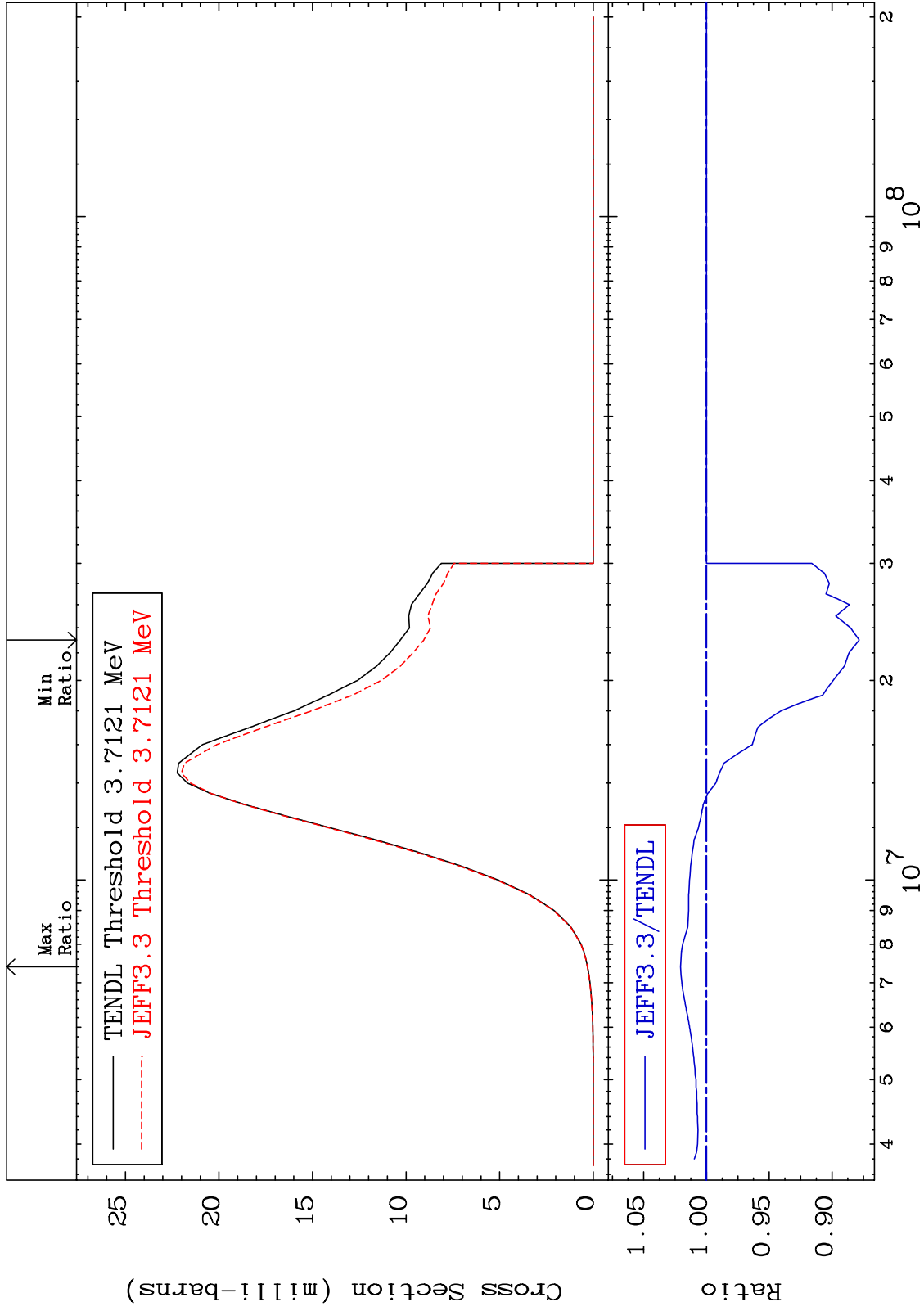


MAT 3037

(n, p) : 29-Cu-68g

30-Zn-68

Radionuclide Production Cross Section -12.16 To 2.061 %



80

Incident Energy (eV)

30-Zn-68

MAT 3037

(n,p):29-Cu-68m3

30-Zn-68

Radionuclide Production Cross Section -8.631 To 3.981 %

