

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

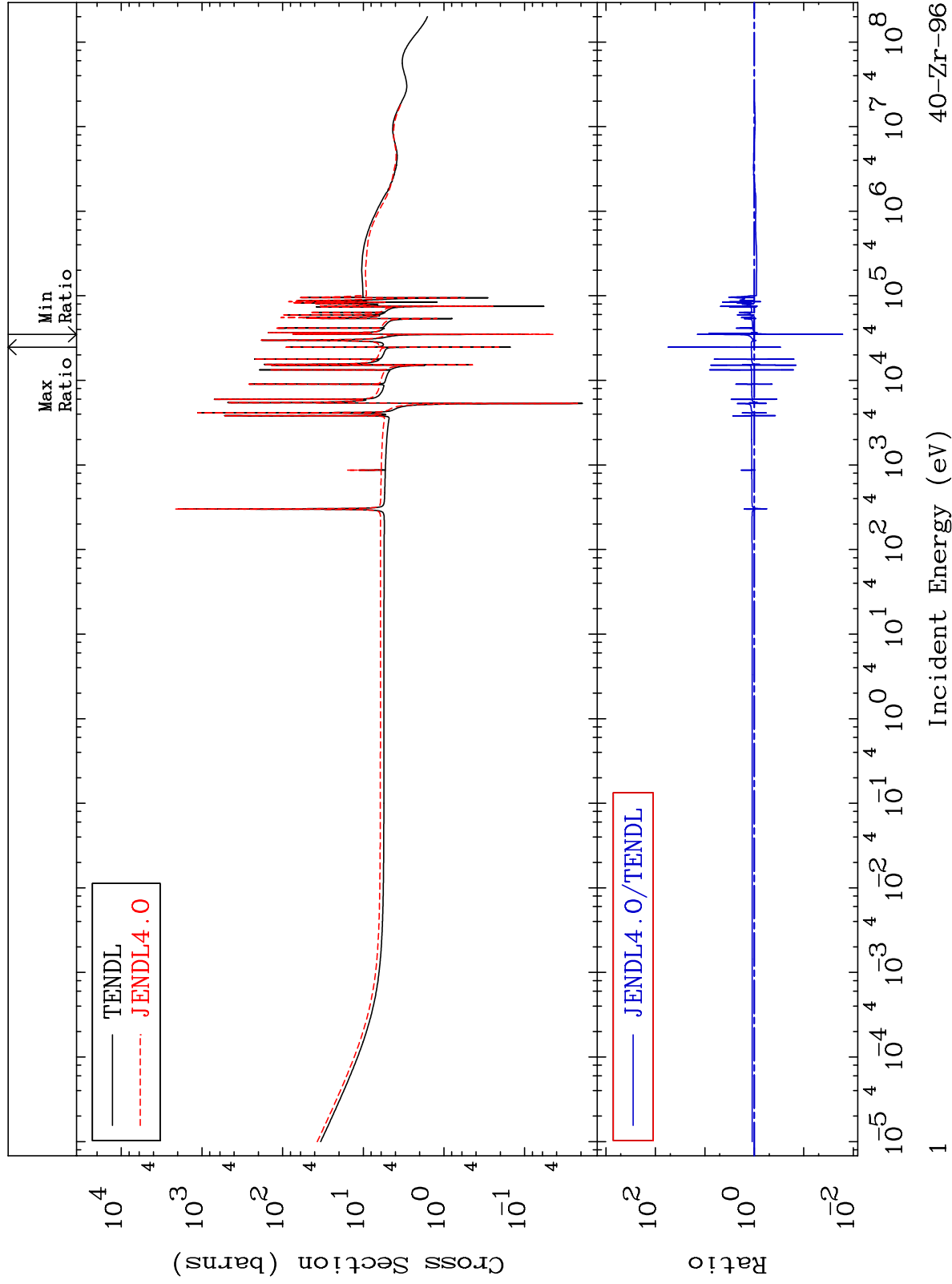
MAT 4043

Total

40-Zr-96

Cross Section

-98.38 To 5445. %



Incident Energy (eV)

40-Zr-96

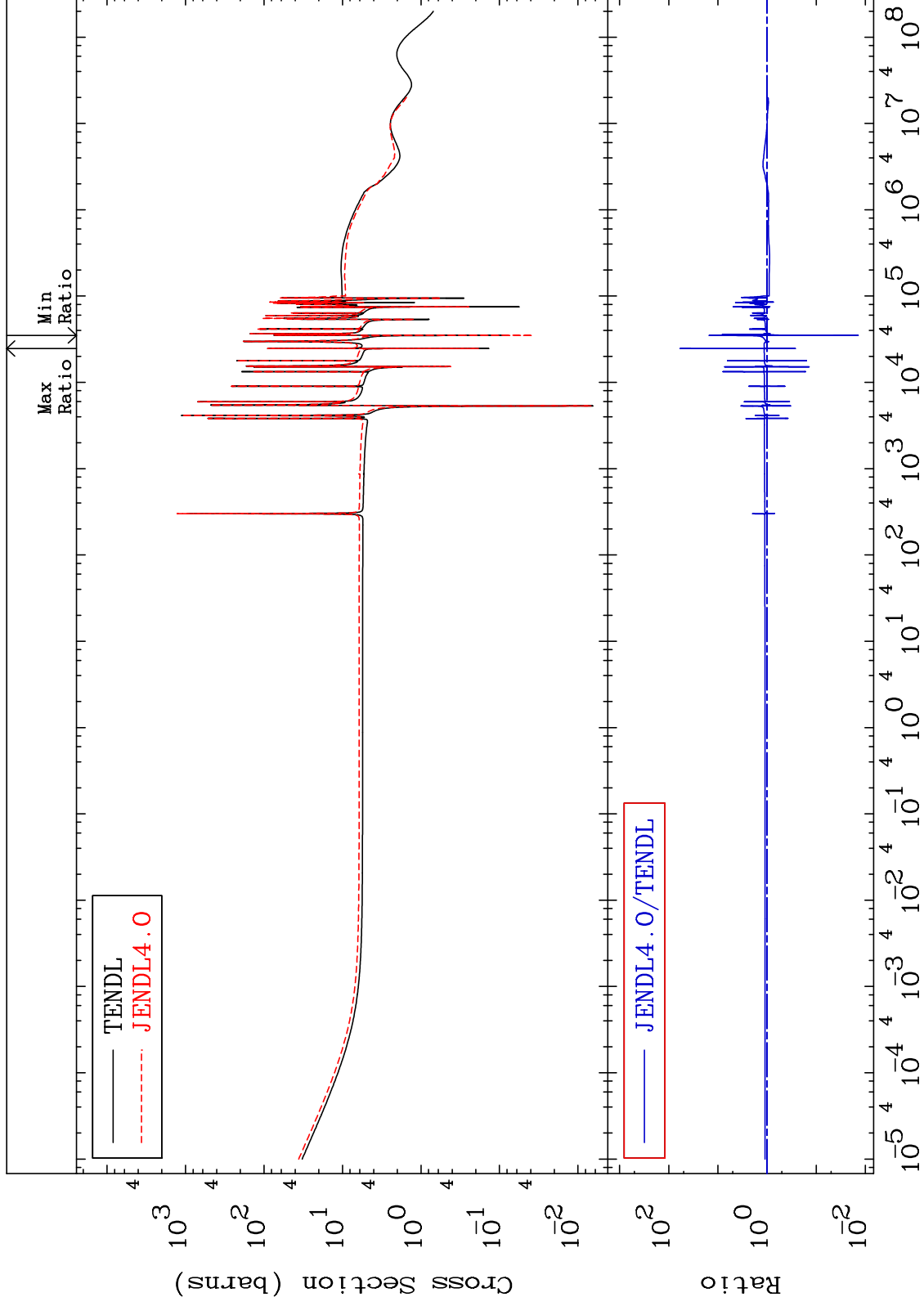
MAT 4043

Elastic

Cross Section

40-Zr-96

-98.61 To 5805. %



Incident Energy (eV)

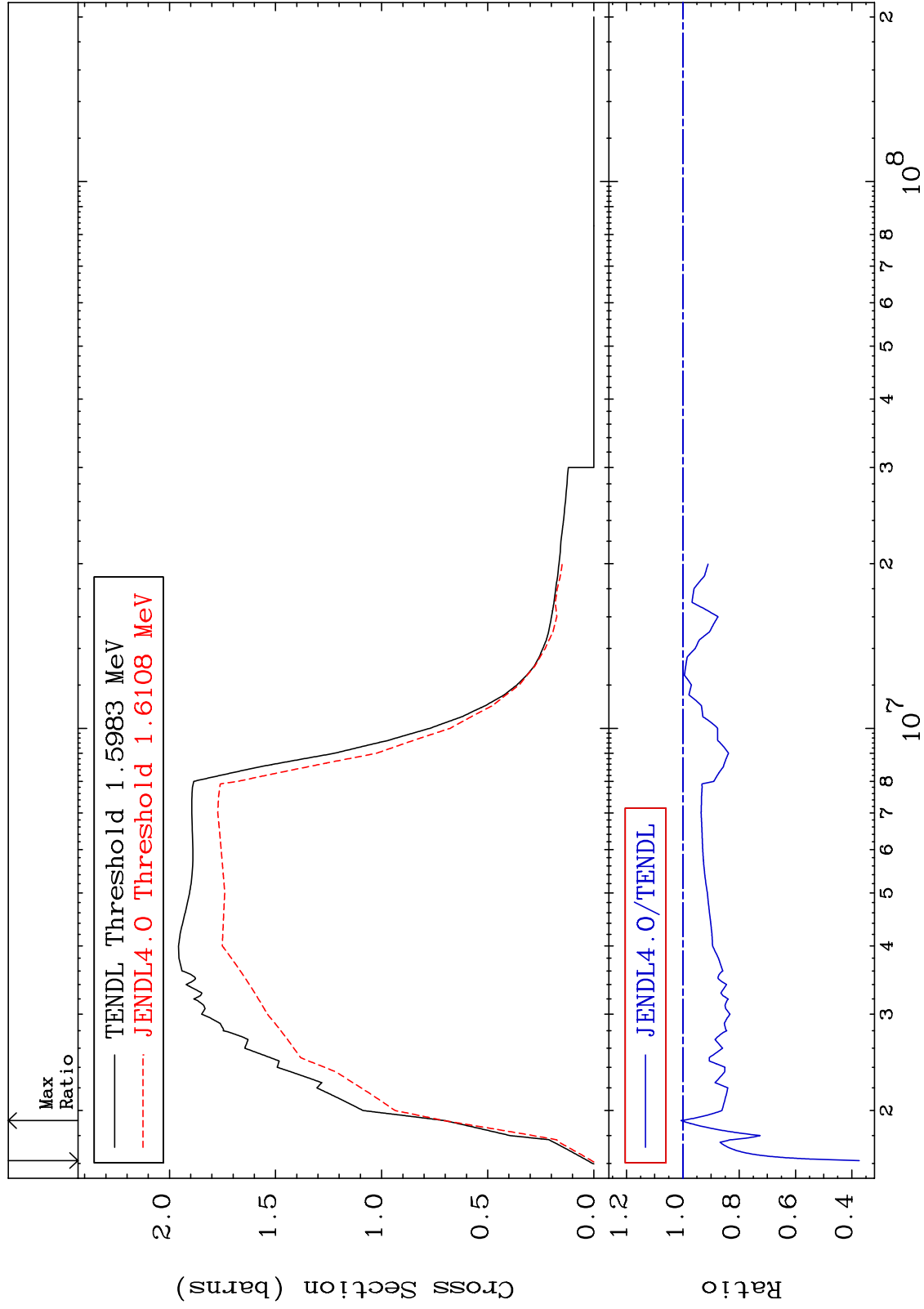
40-Zr-96

2

MAT 4043

Inelastic
Cross Section

40-Zr-96
-62.65 To 0.649 %



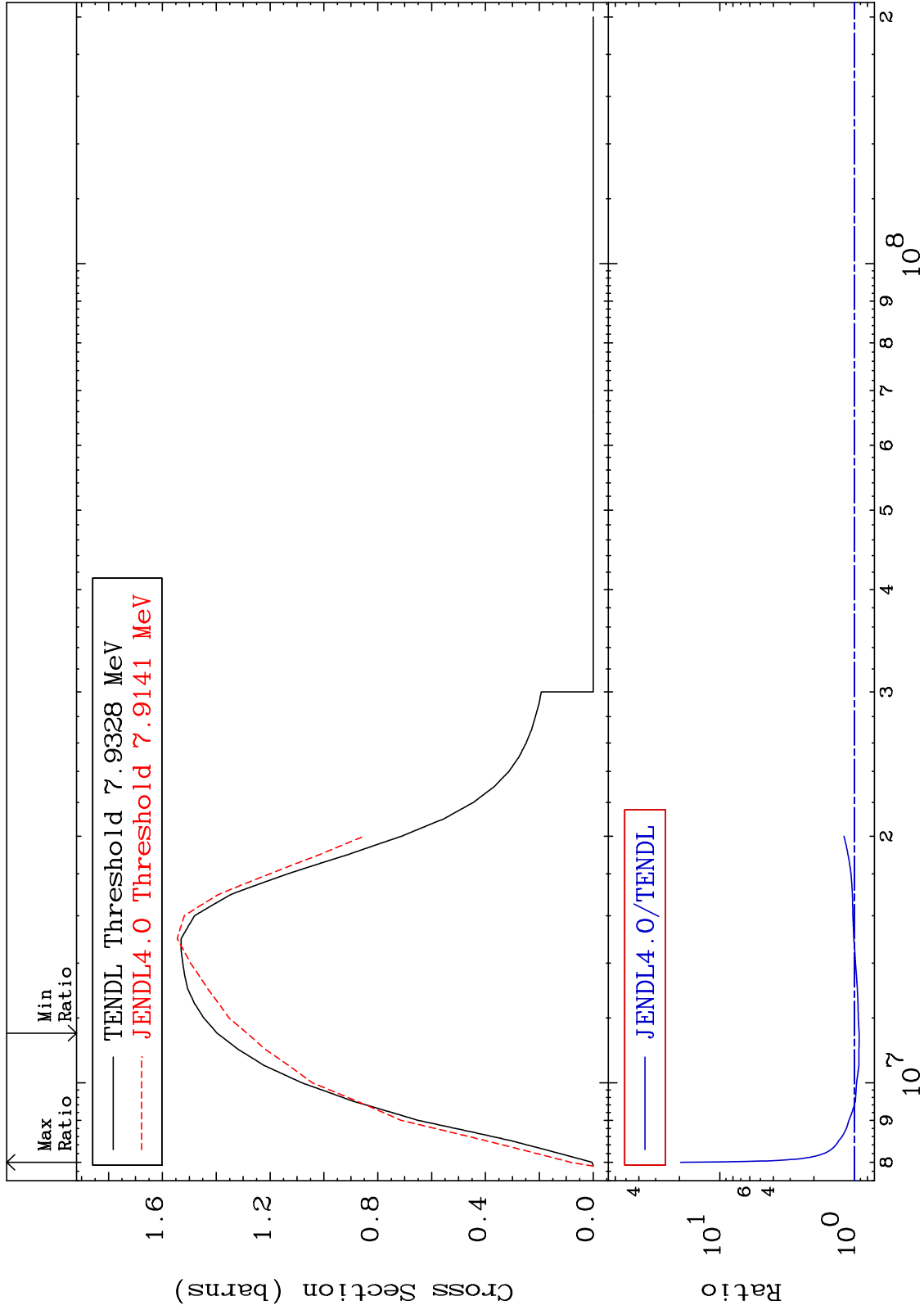
MAT 4043

(n,2n)

40-Zr-96

Cross Section

-7.920 To 1859. %



4

Incident Energy (eV)

40-Zr-96

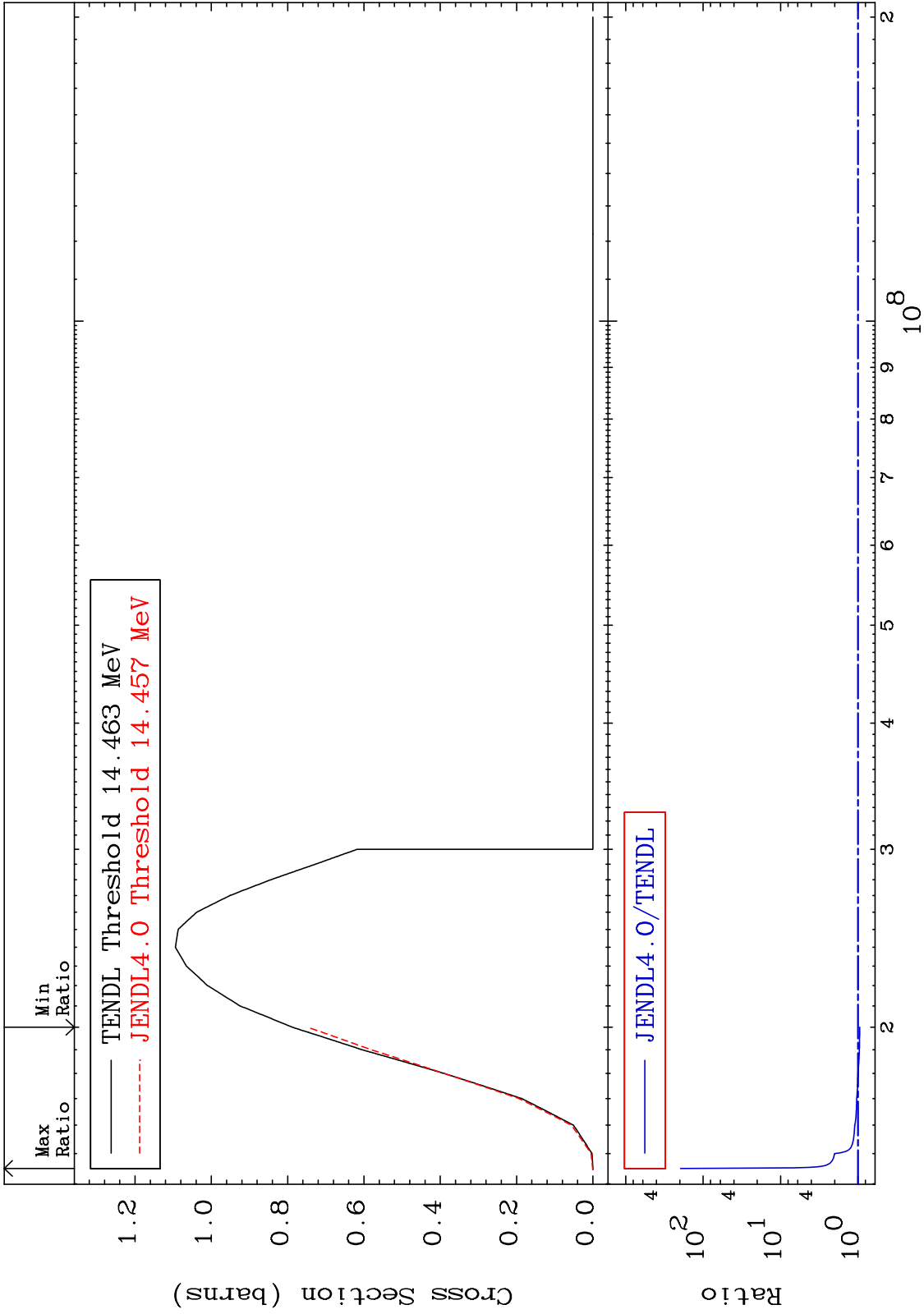
MAT 4043

(n,3n)

40-Zr-96

Cross Section

-5.100 To 9999. %



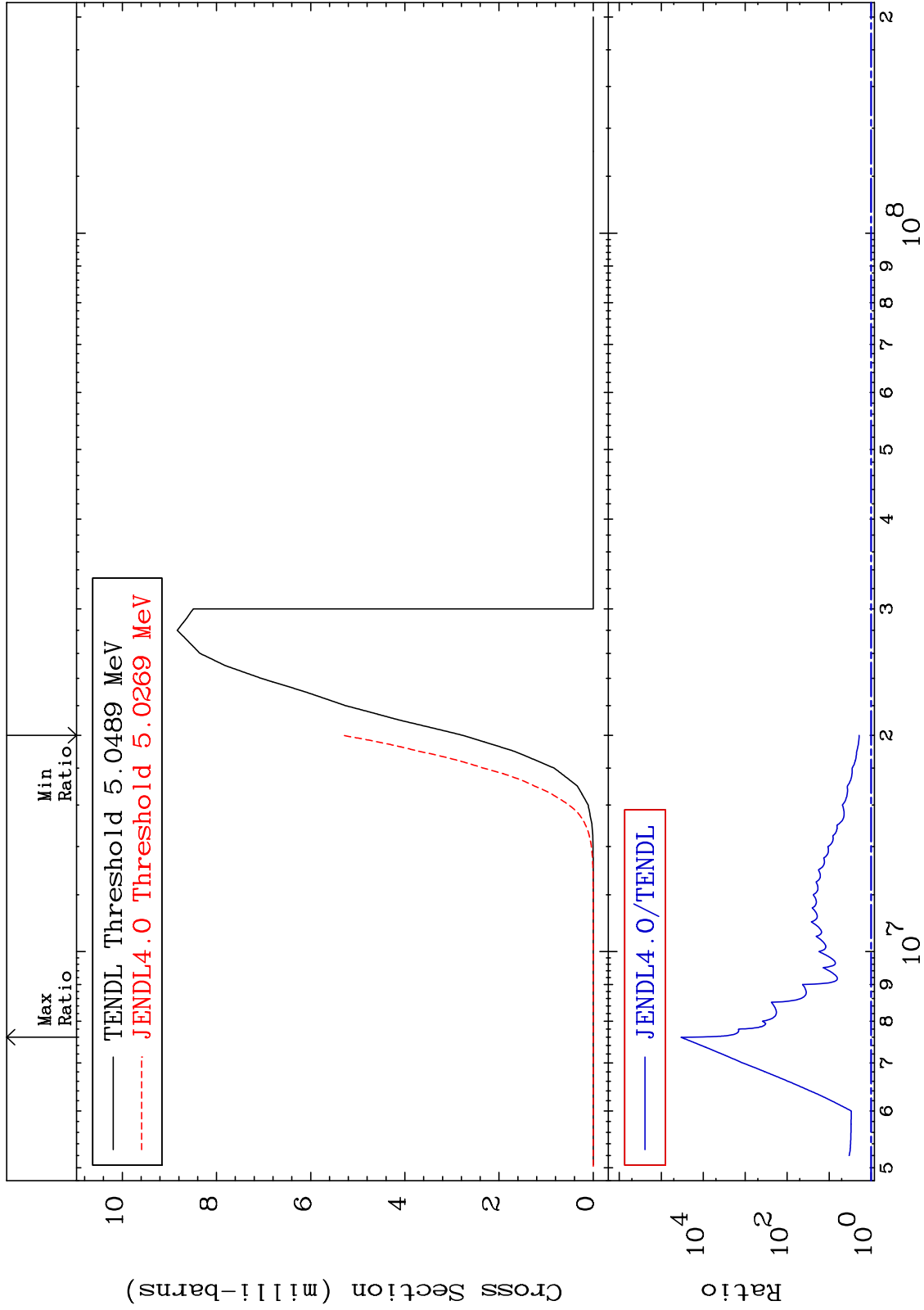
MAT 4043

(n,n') α

40-Zr-96

Cross Section

92.24 To 9999. %



6

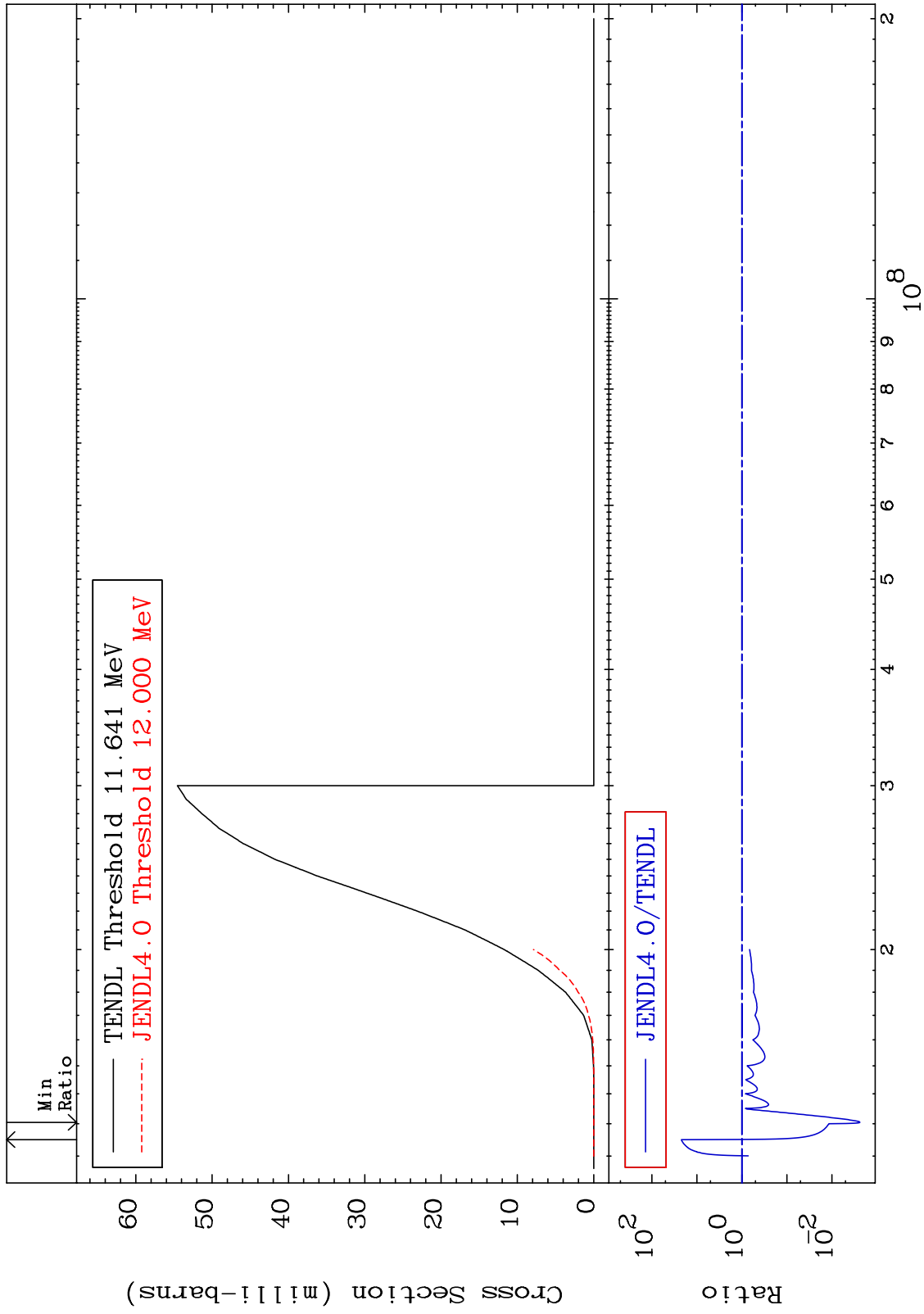
Incident Energy (eV)

40-Zr-96

MAT 4043

(n,n') p
Cross Section

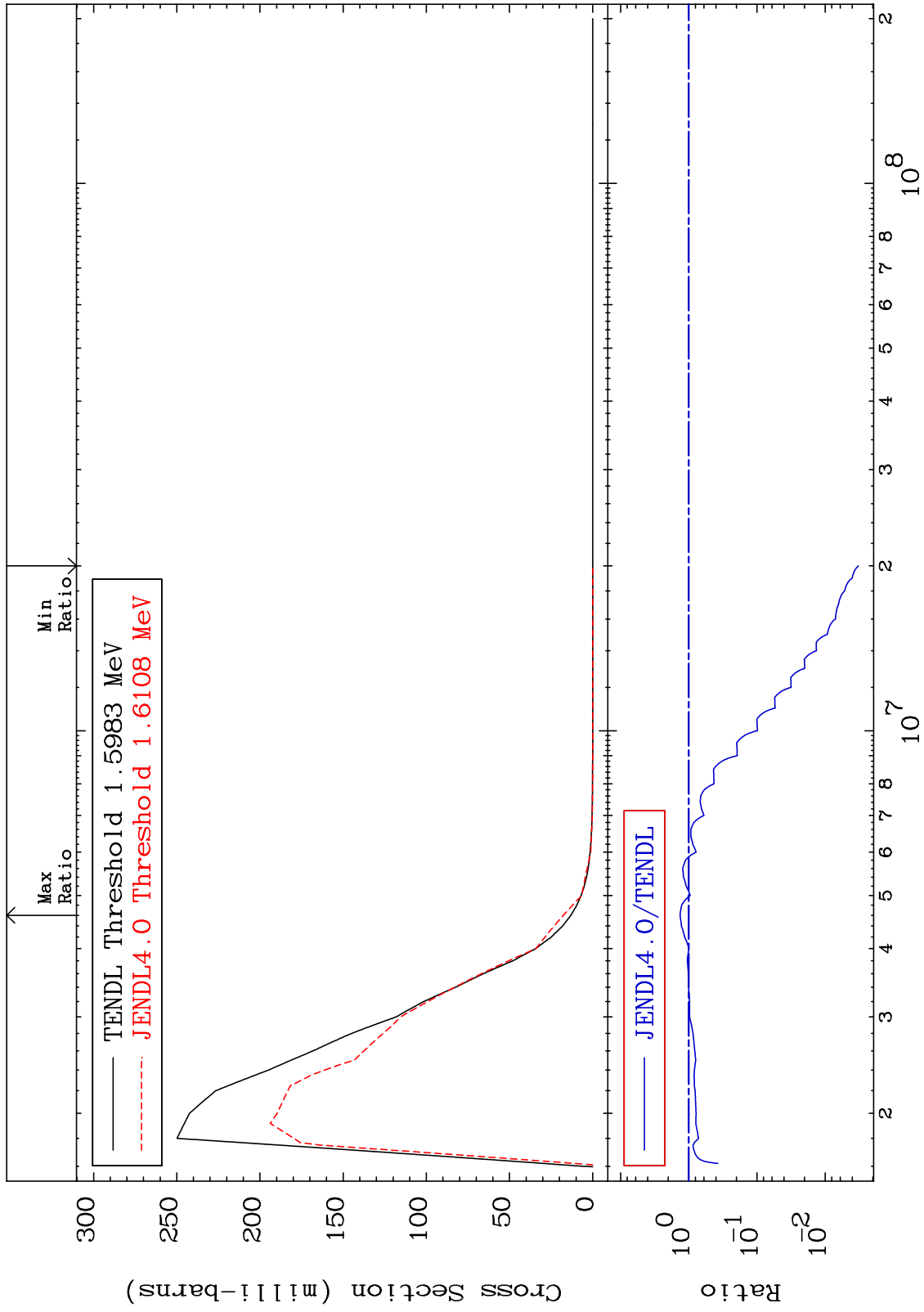
40-Zr-96
-99.76 To 2125. %



MAT 4043

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

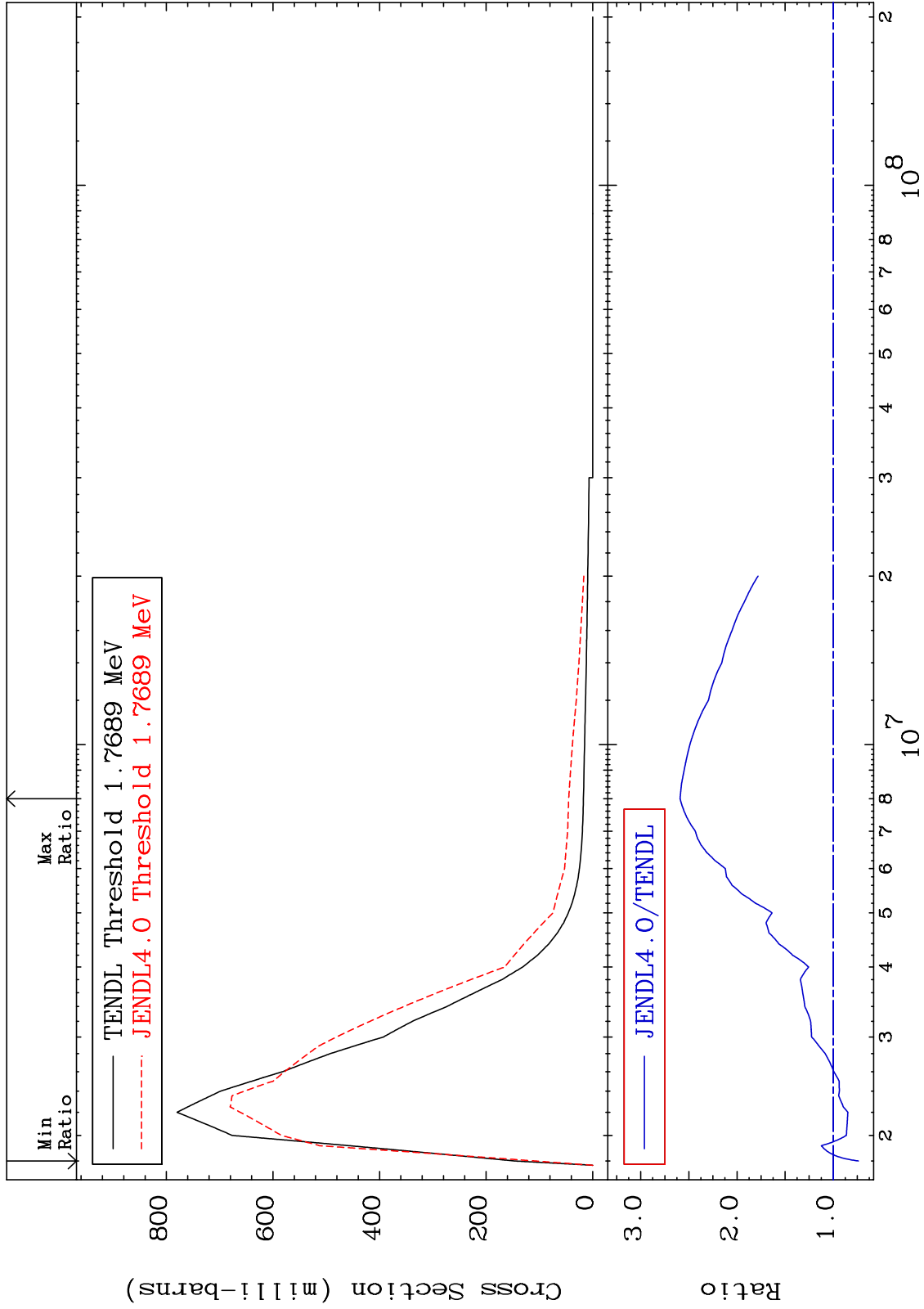
40-Zr-96
-99.68 To 34.46 %



MAT 4043

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

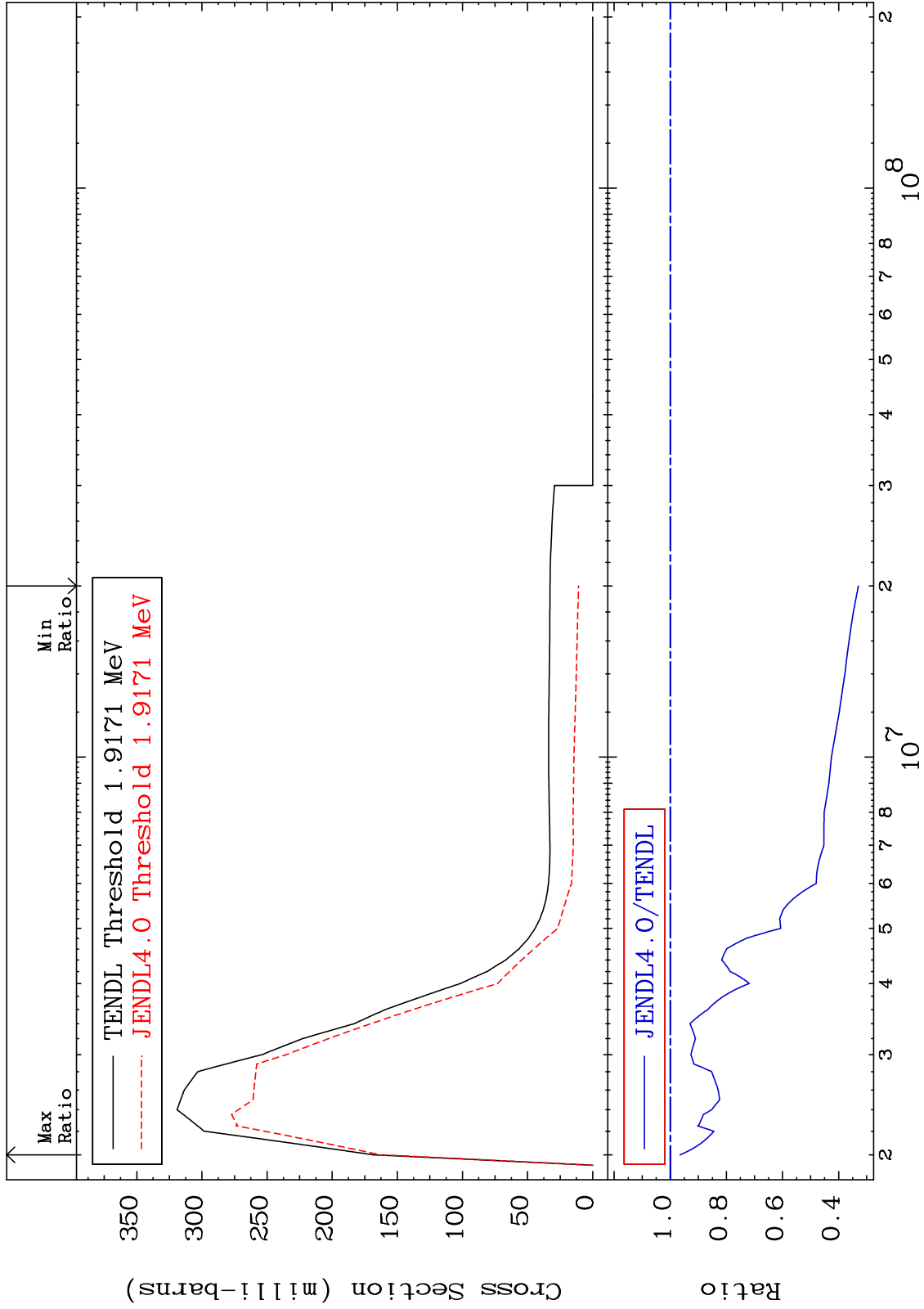
40-Zr-96
-26.16 To 159.2 %



MAT 4043

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

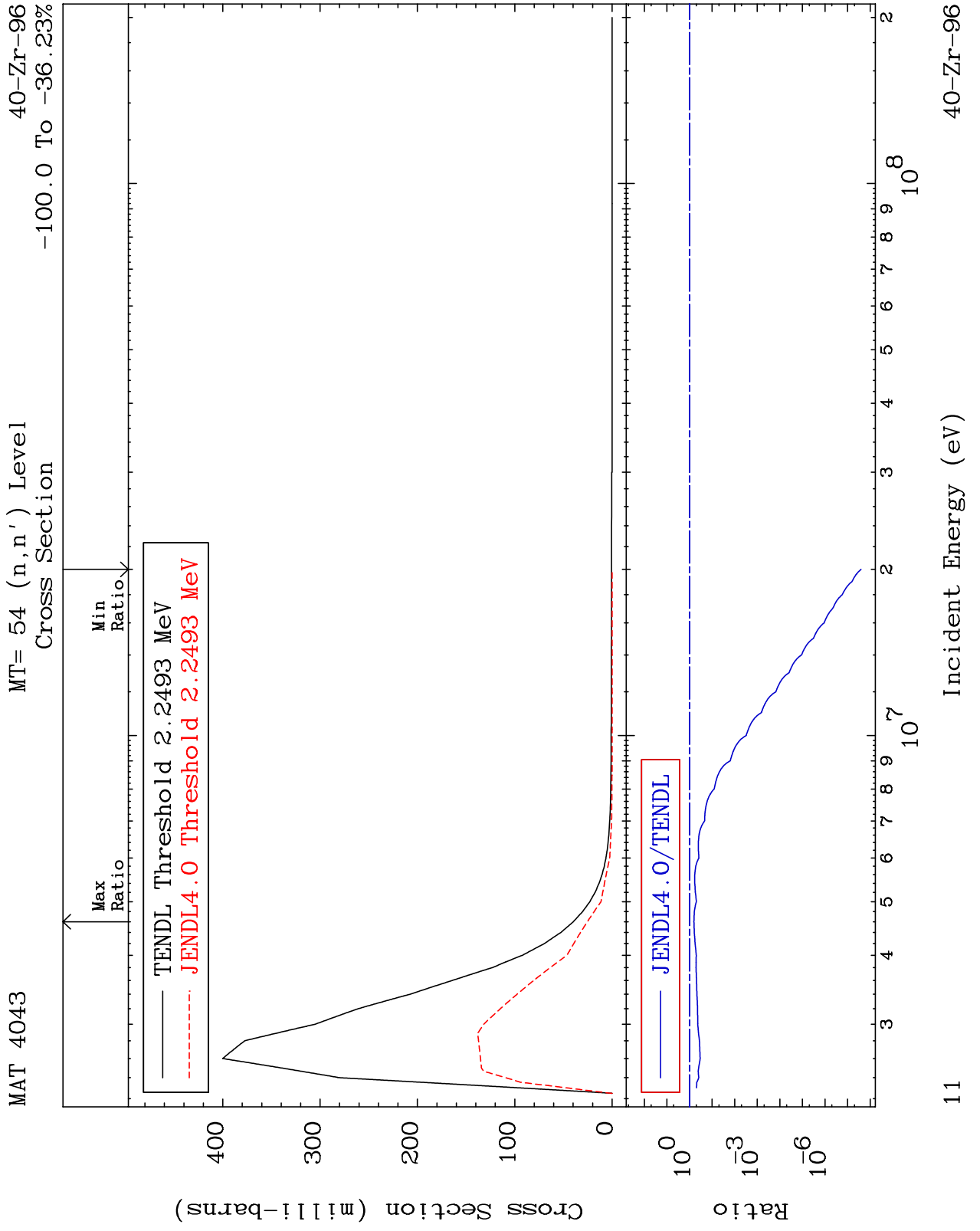
40-Zr-96
-67.05 To -3.475%



10

Incident Energy (eV)

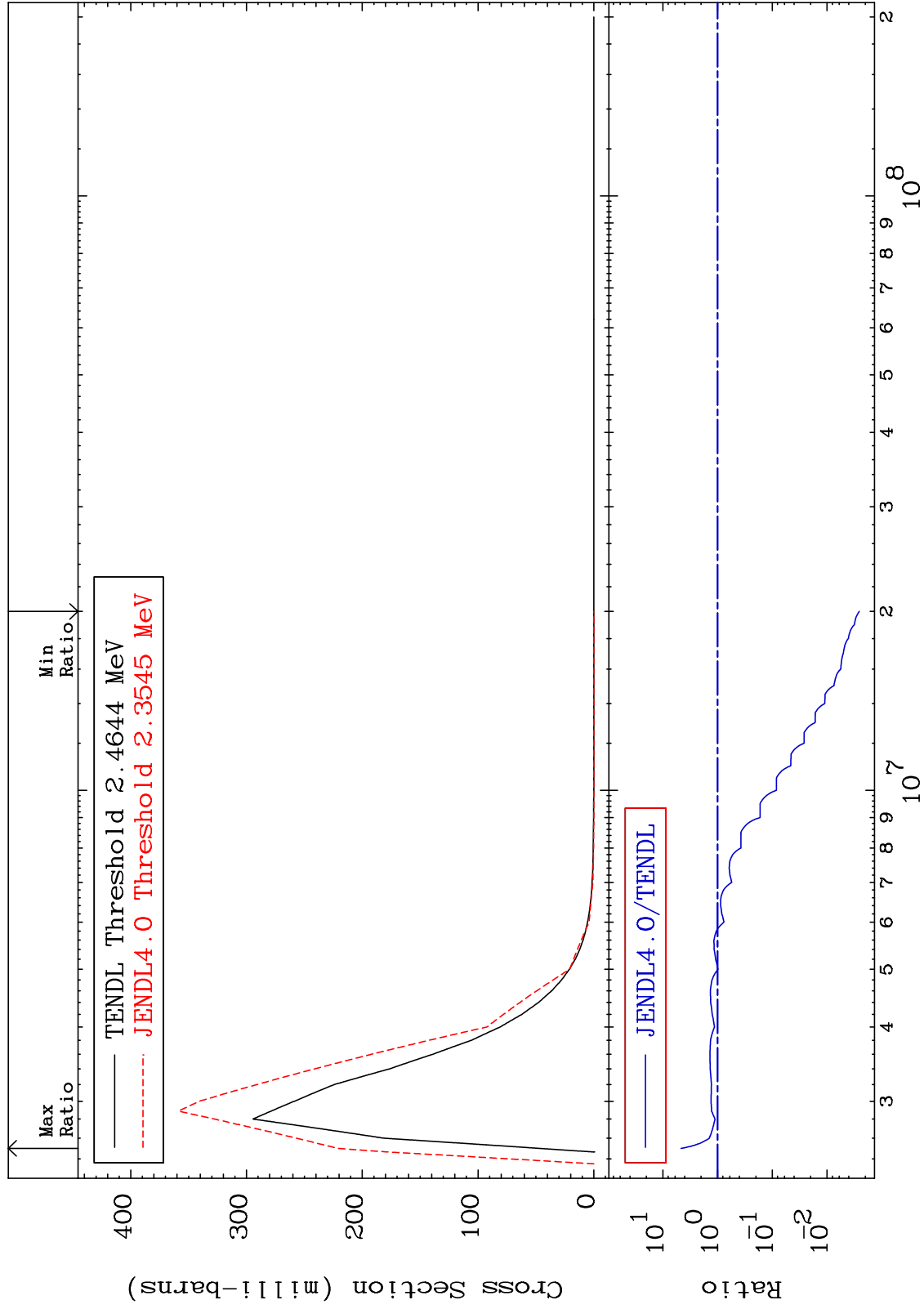
40-Zr-96



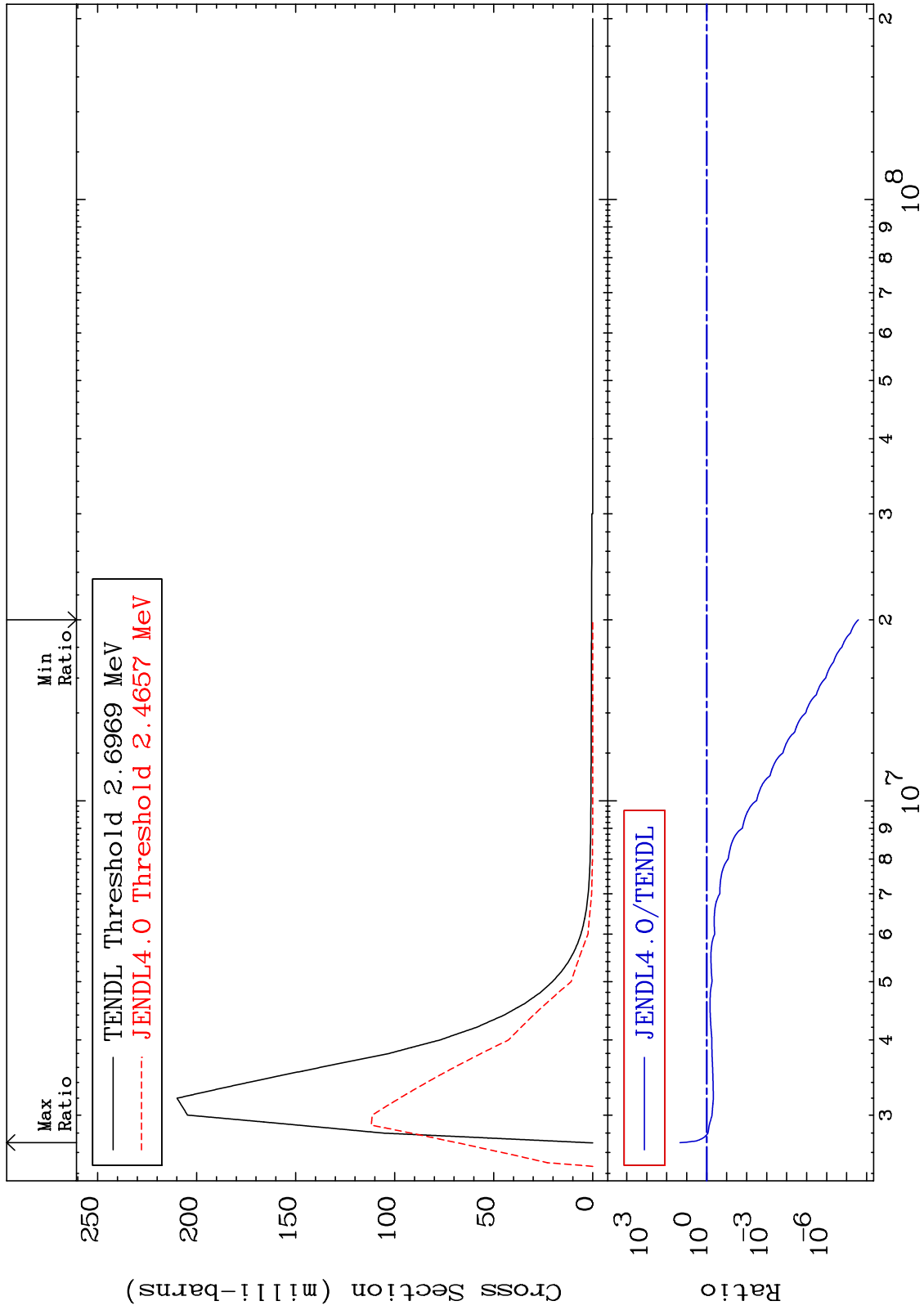
MAT 4043

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

40-Zr-96
-99.74 To 365.3 %



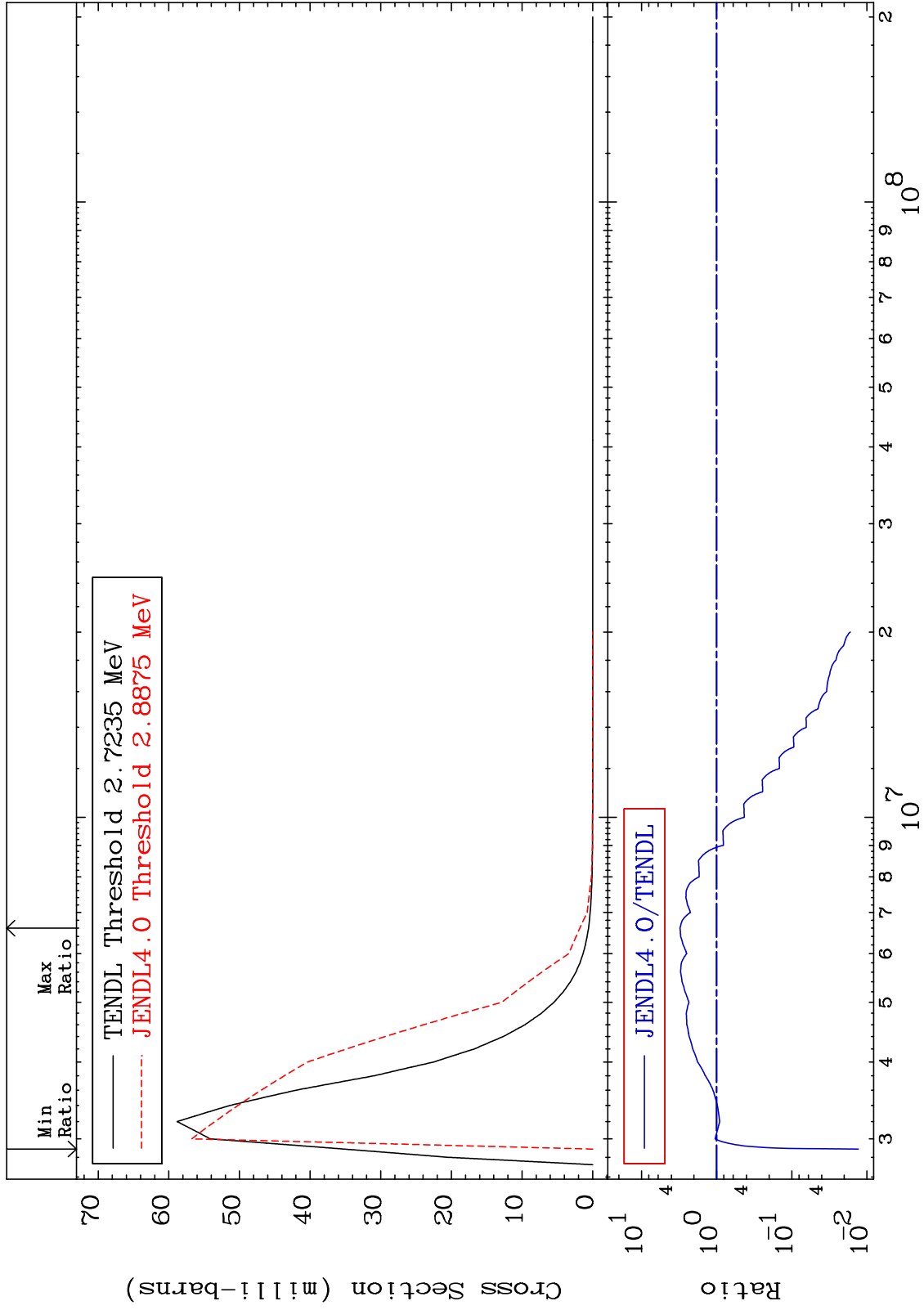
MAT 4043 MT= 56 (n,n') Level 40-Zr-96
 Cross Section -100.0 To 2058. %



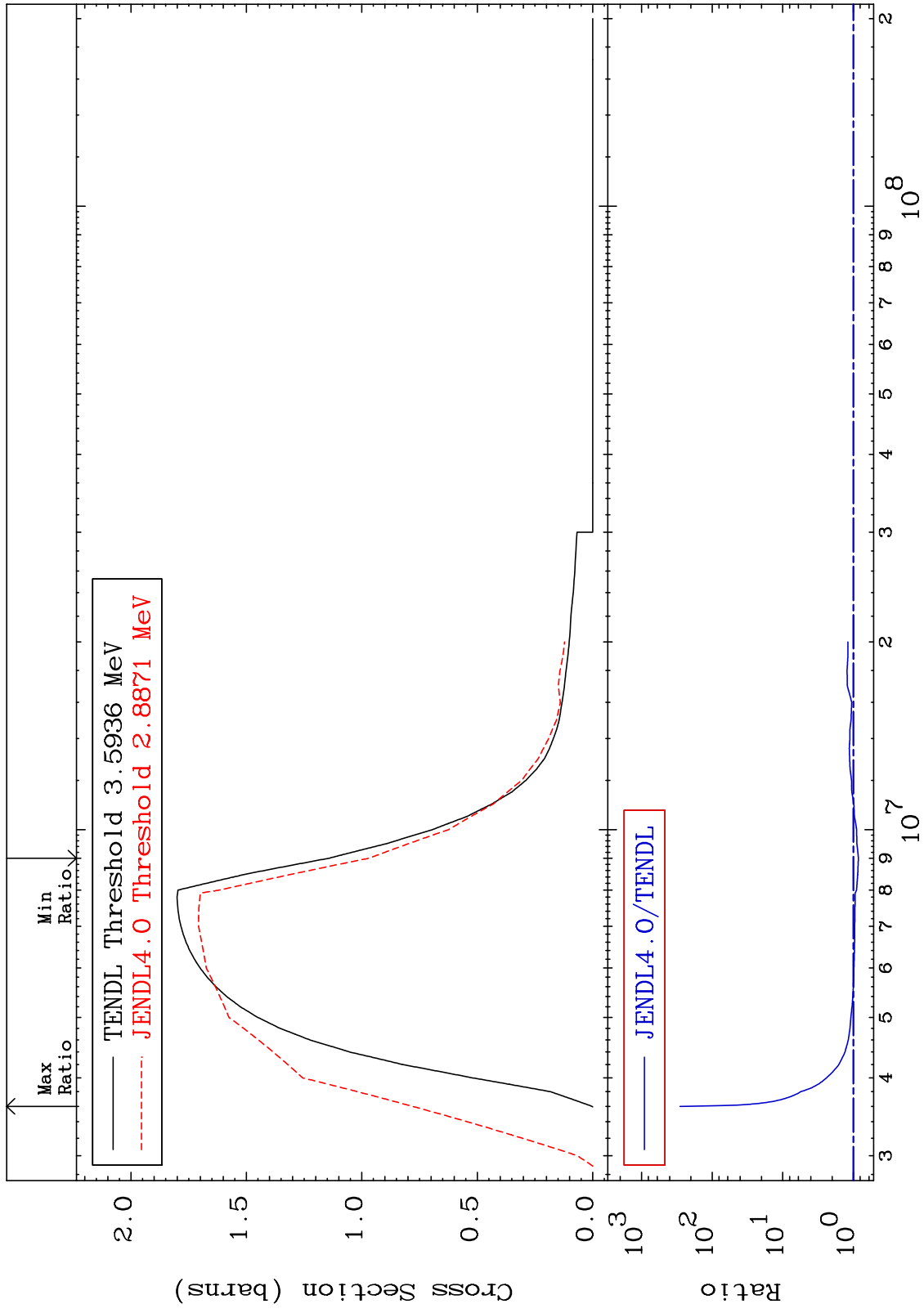
MAT 4043

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

40-Zr-96
-98.70 To 206.9 %



MAT 4043 (n,n') Continuum Cross Section 40-Zr-96 -15.18 To 9999. %



15 40-Zr-96

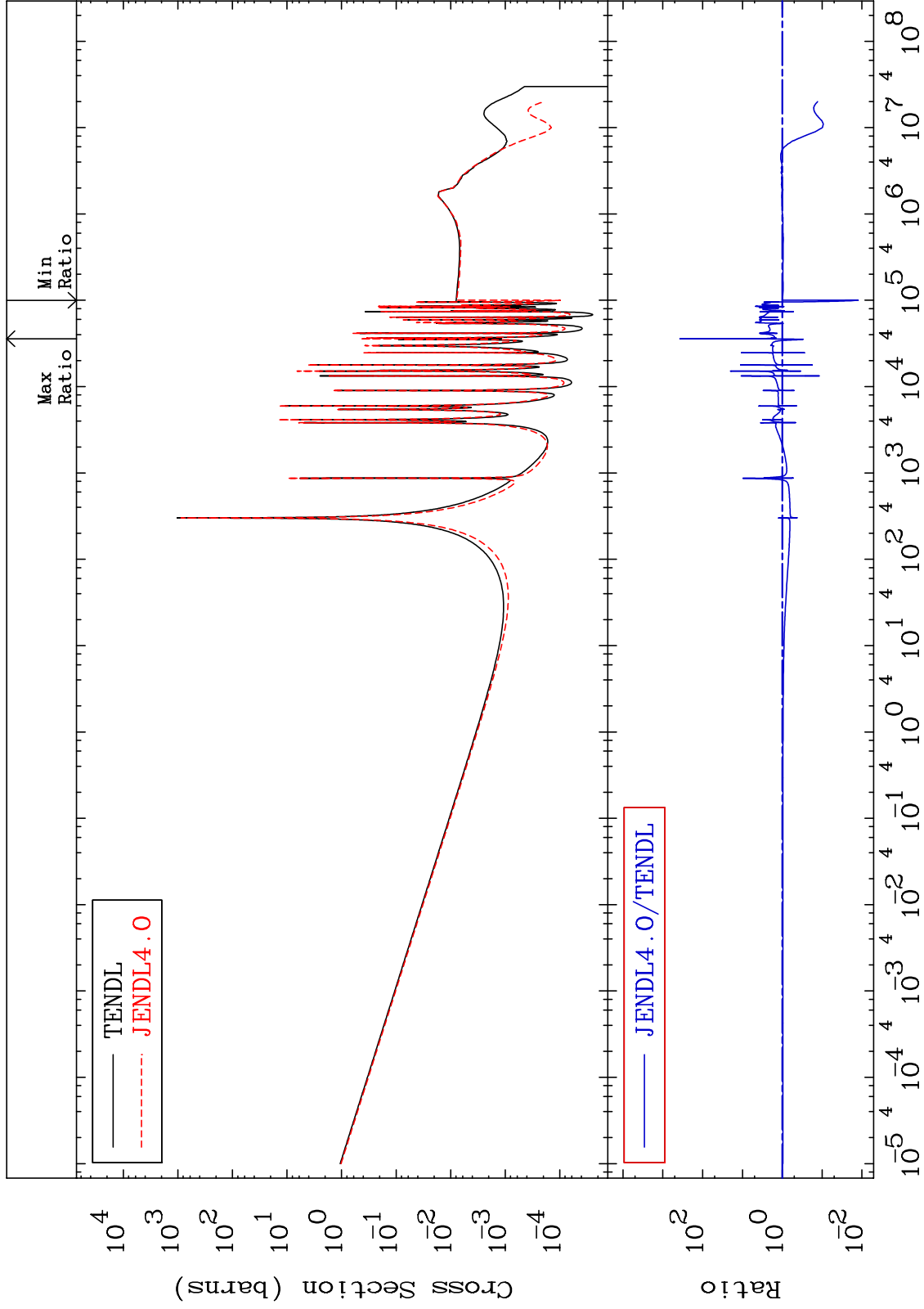
MAT 4043

(n, γ)

40-Zr-96

Cross Section

-98.77 To 9999. %

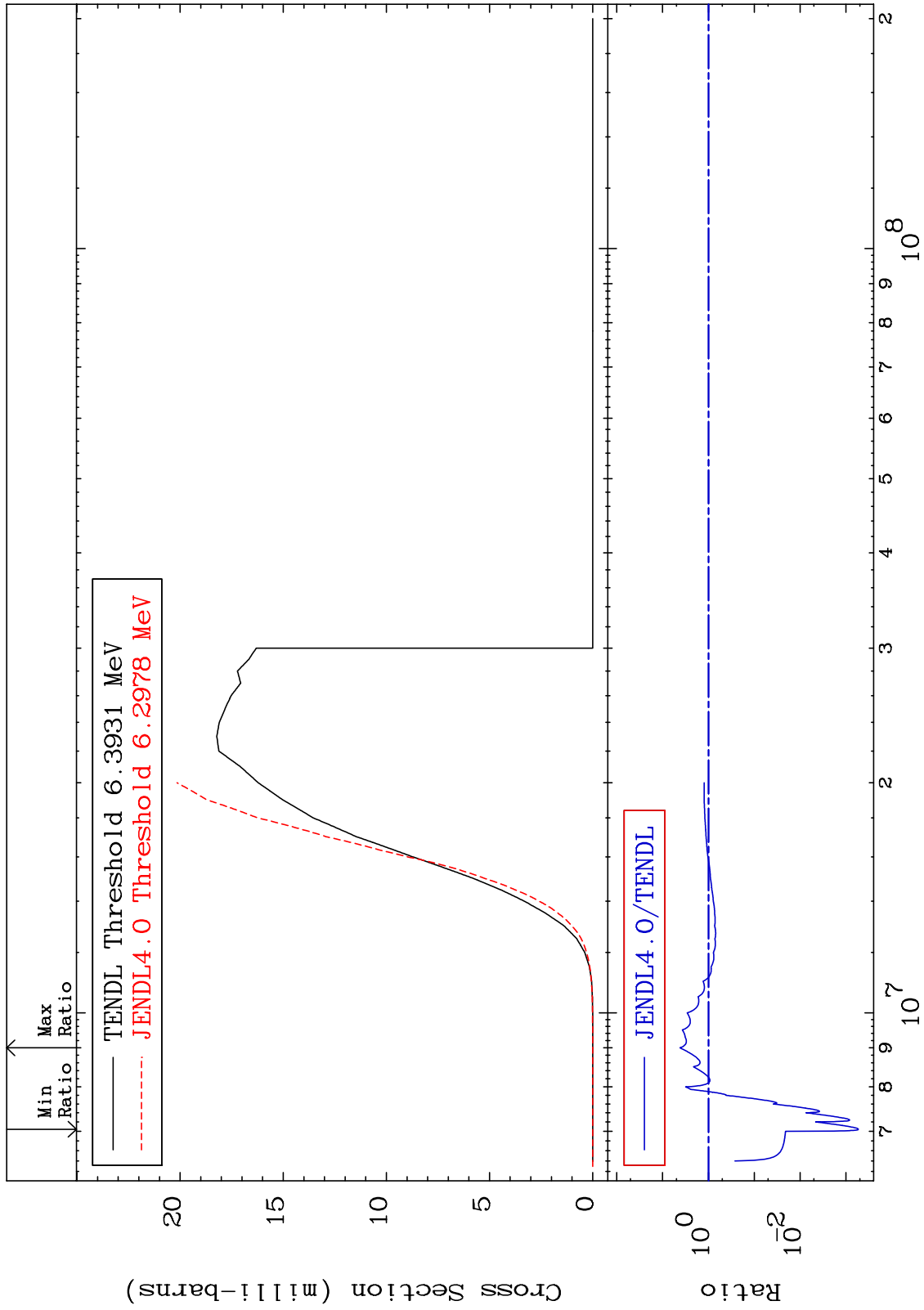


16

Incident Energy (eV)

40-Zr-96

MAT 4043 (n,p) Cross Section 40-Zr-96 -99.95 To 316.9 %



17 40-Zr-96 Incident Energy (eV)

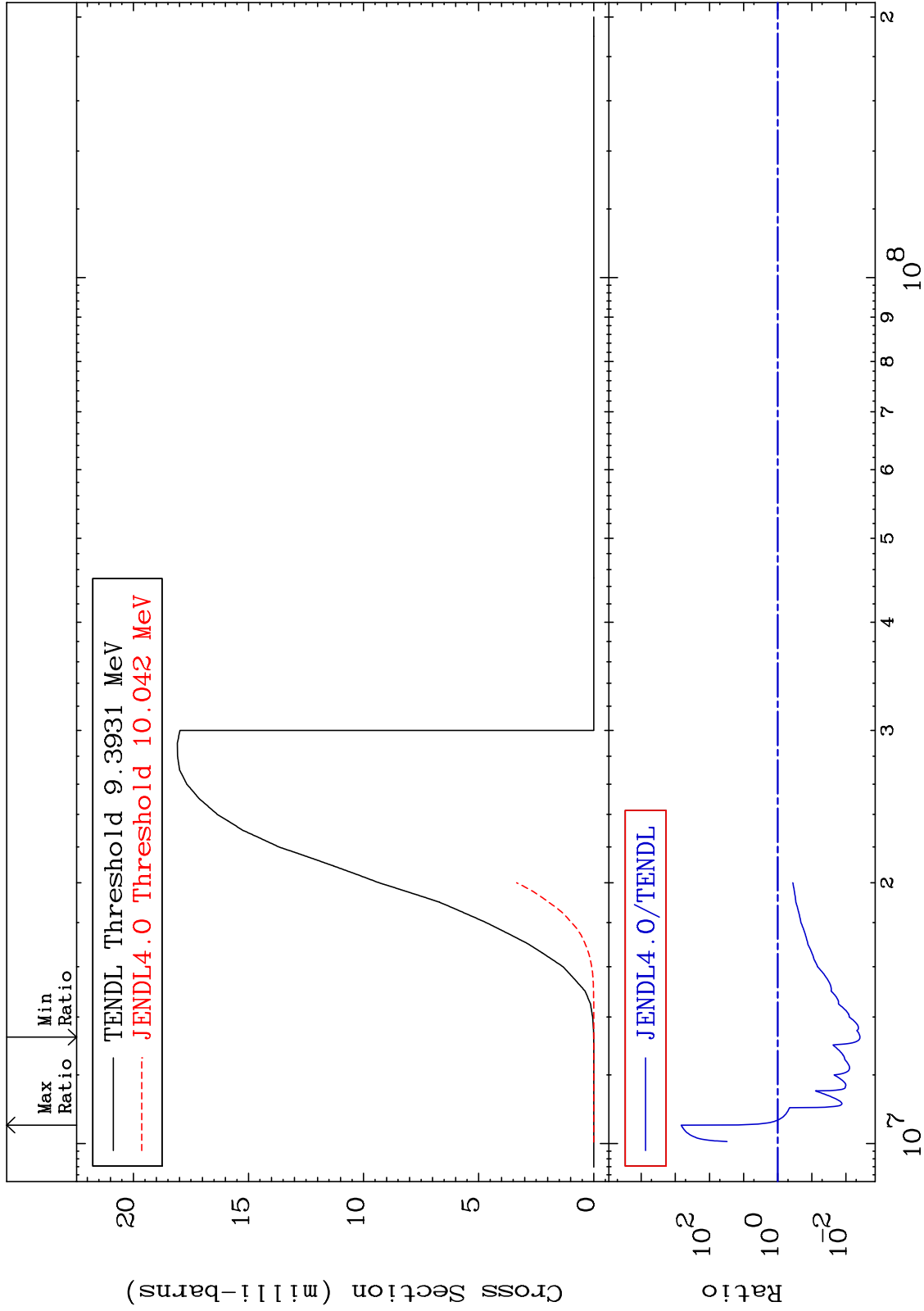
MAT 4043

(n,d)

40-Zr-96

Cross Section

-99.61 To 9999. %



40-Zr-96

40-Zr-96

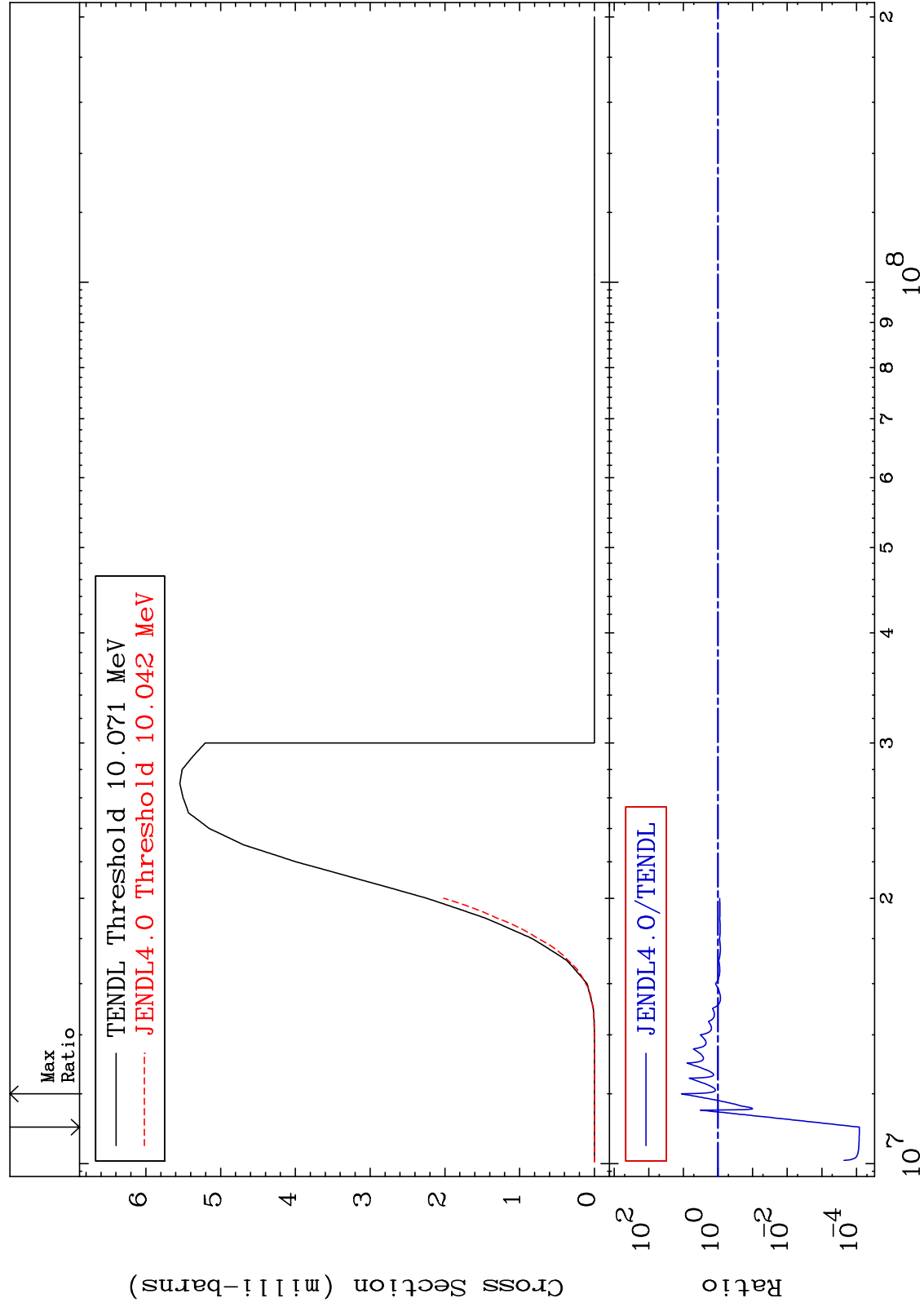
MAT 4043

(n, t)

40-Zr-96

Cross Section

-99.99 To 1035. %



40-Zr-96

19

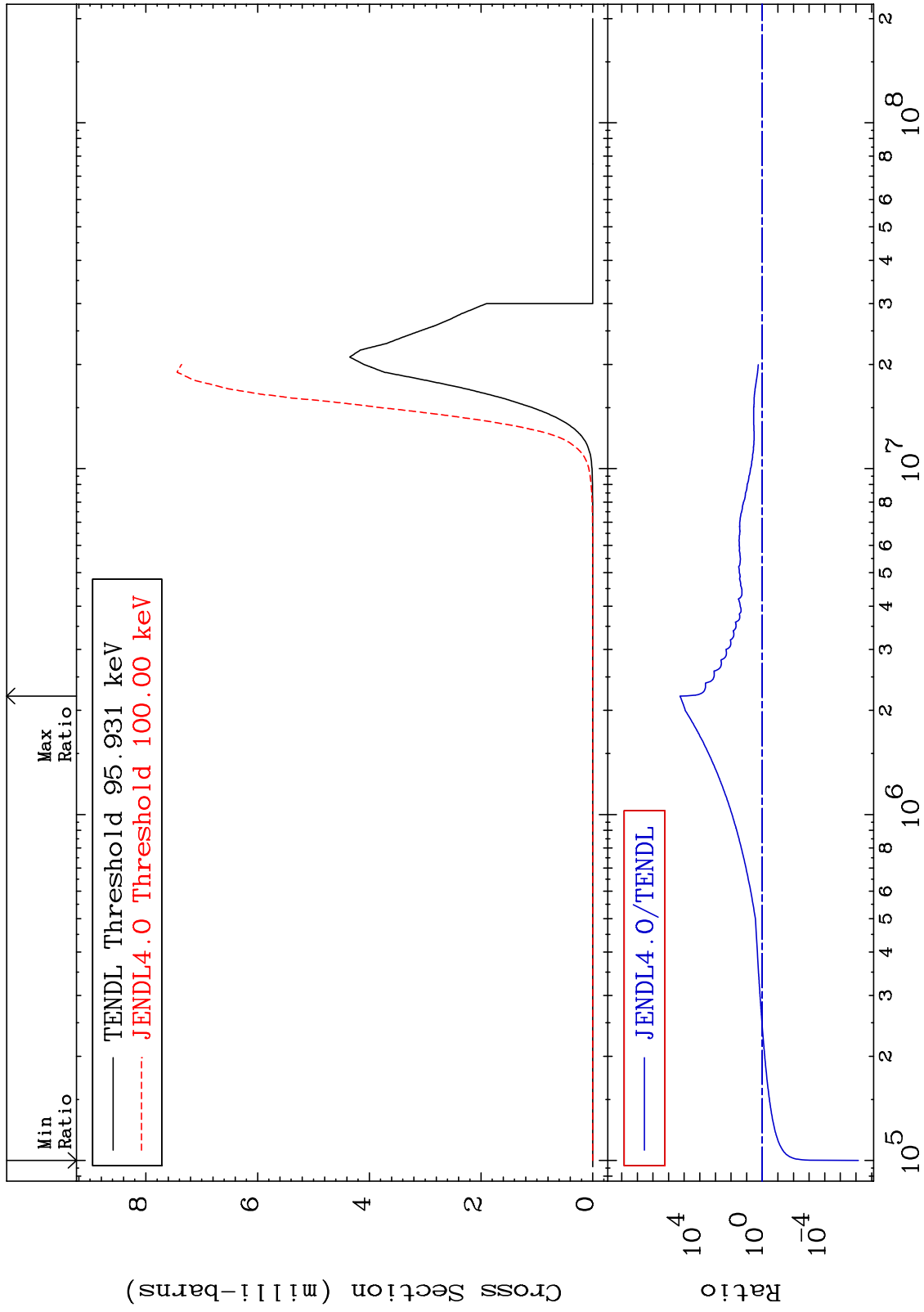
MAT 4043

(n, α)

40-Zr-96

Cross Section

-100.0 To 9999. %



20

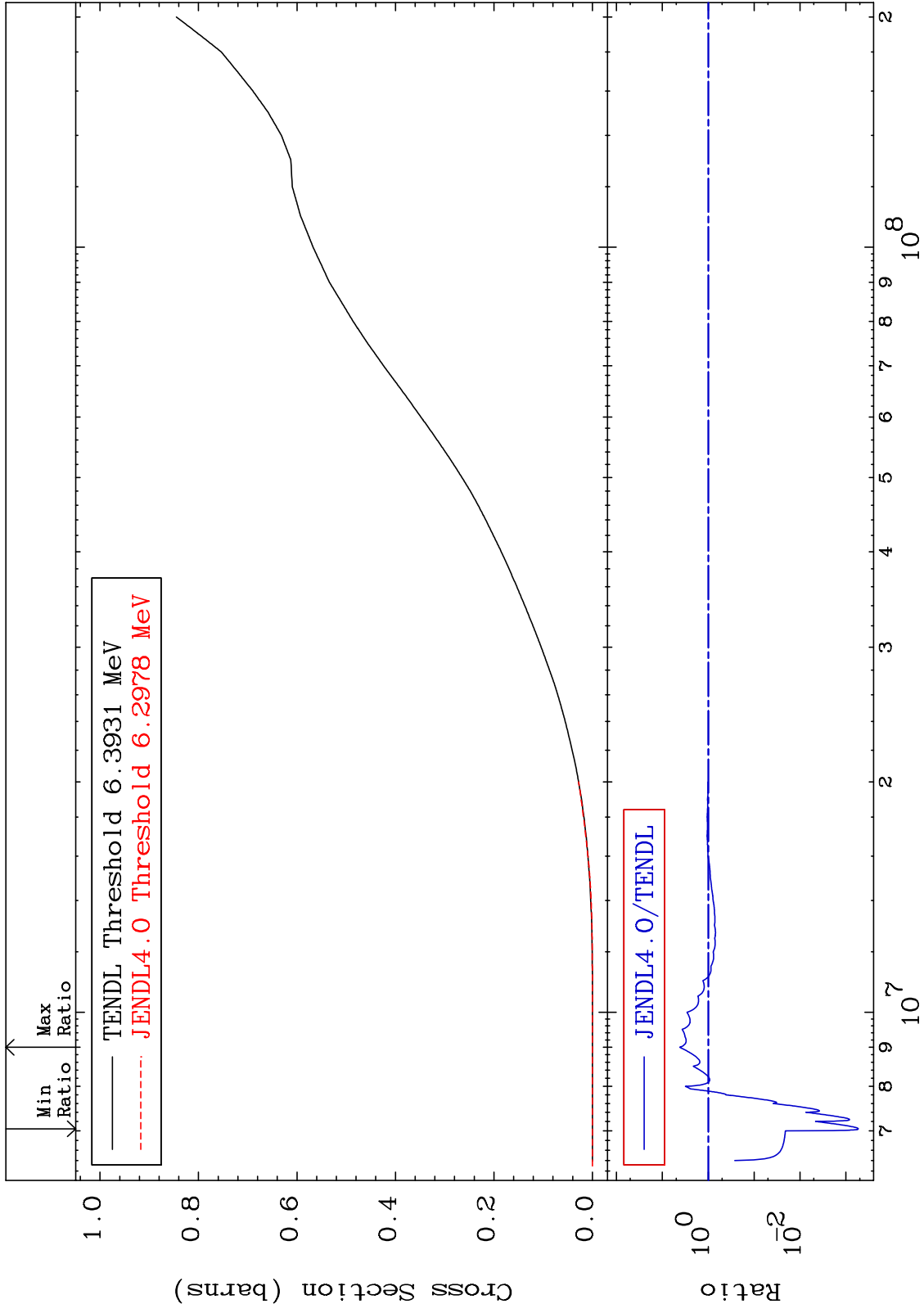
Incident Energy (eV)

40-Zr-96

MAT 4043

Hydrogen Production
Cross Section

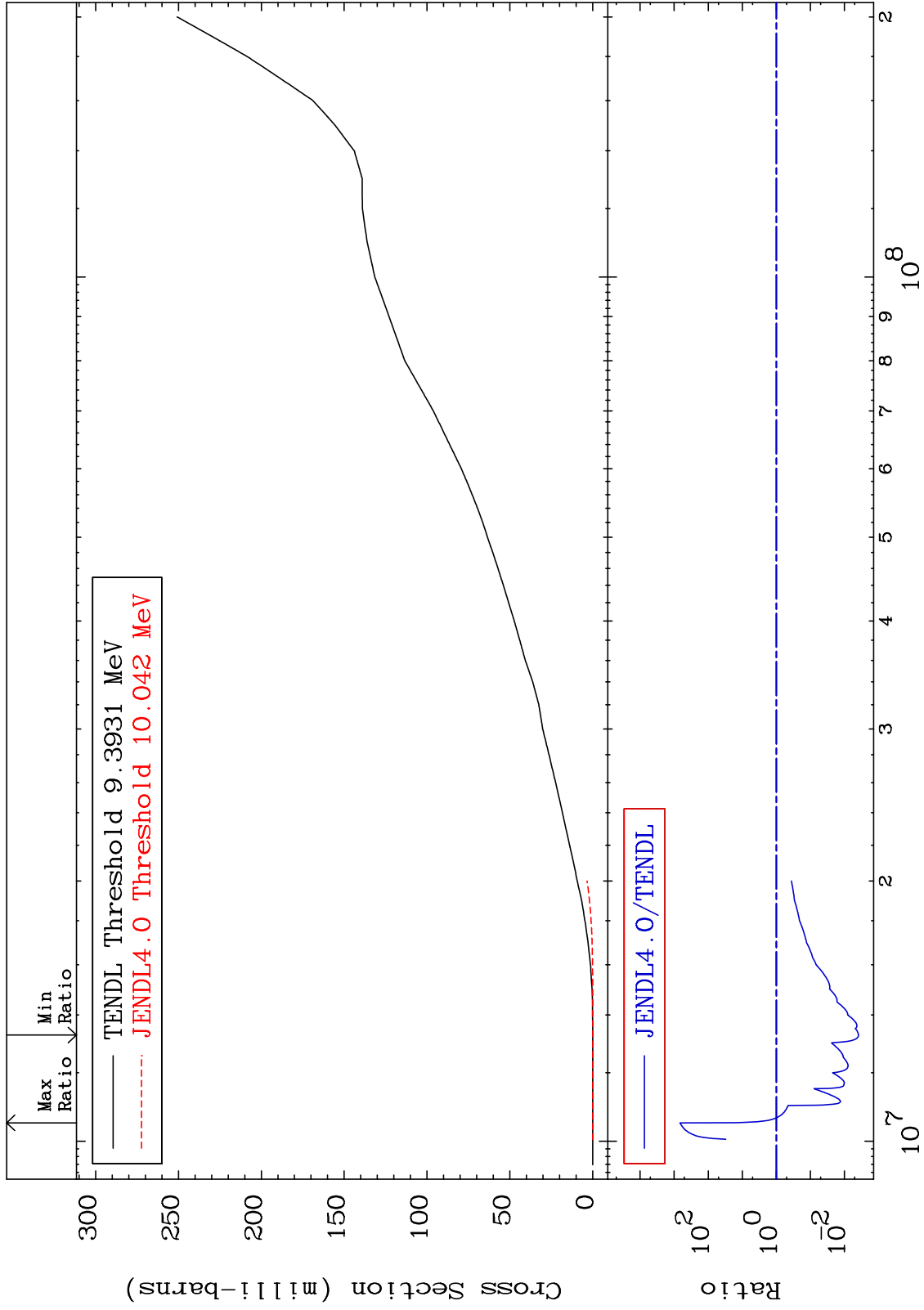
40-Zr-96
-99.95 To 316.9 %



MAT 4043

Deuterium Production
Cross Section

40-Zr-96
-99.61 To 9999. %



22

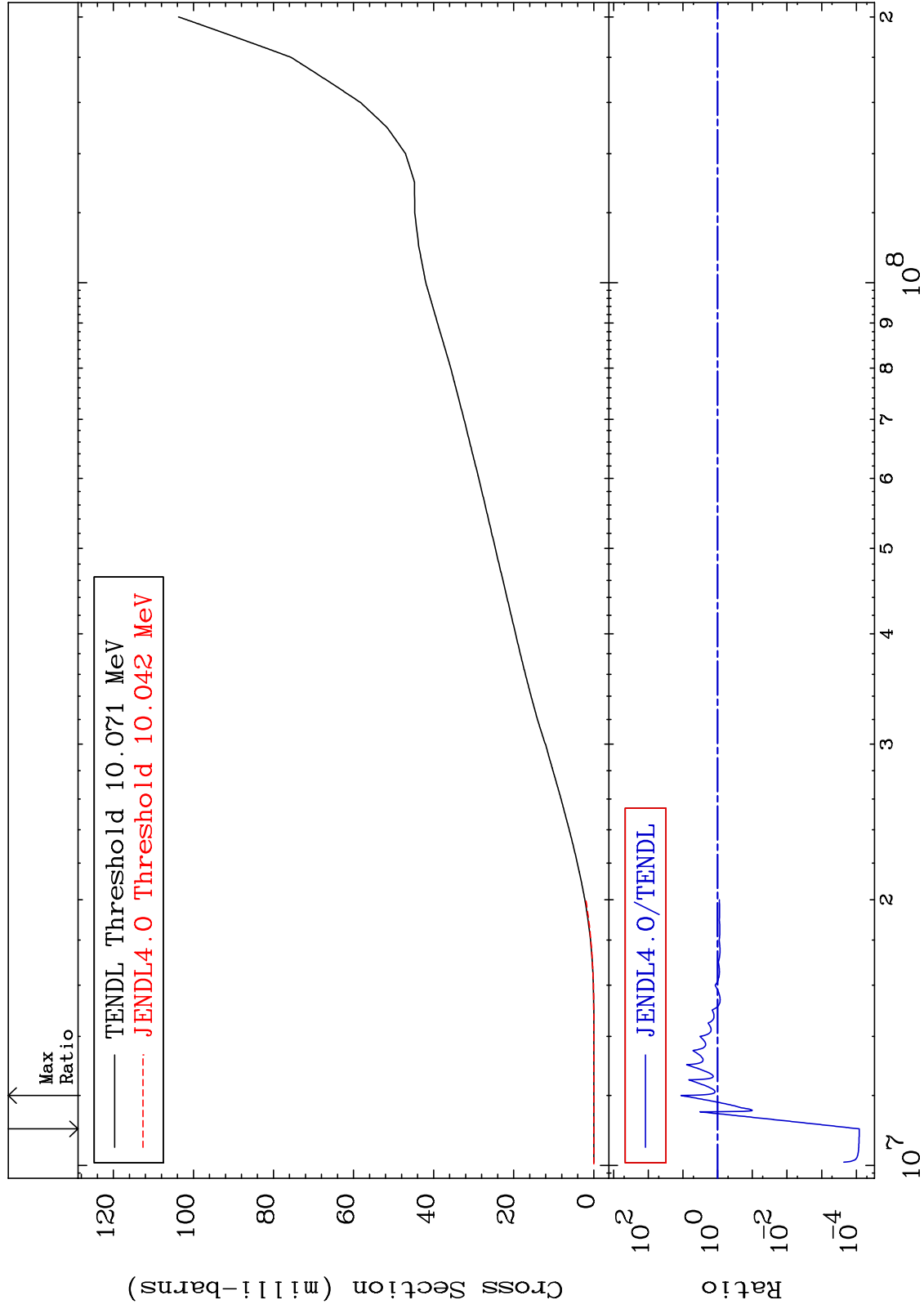
Incident Energy (eV)

40-Zr-96

MAT 4043

Tritium Production
Cross Section

40-Zr-96
-99.99 To 1035. %



Incident Energy (eV)

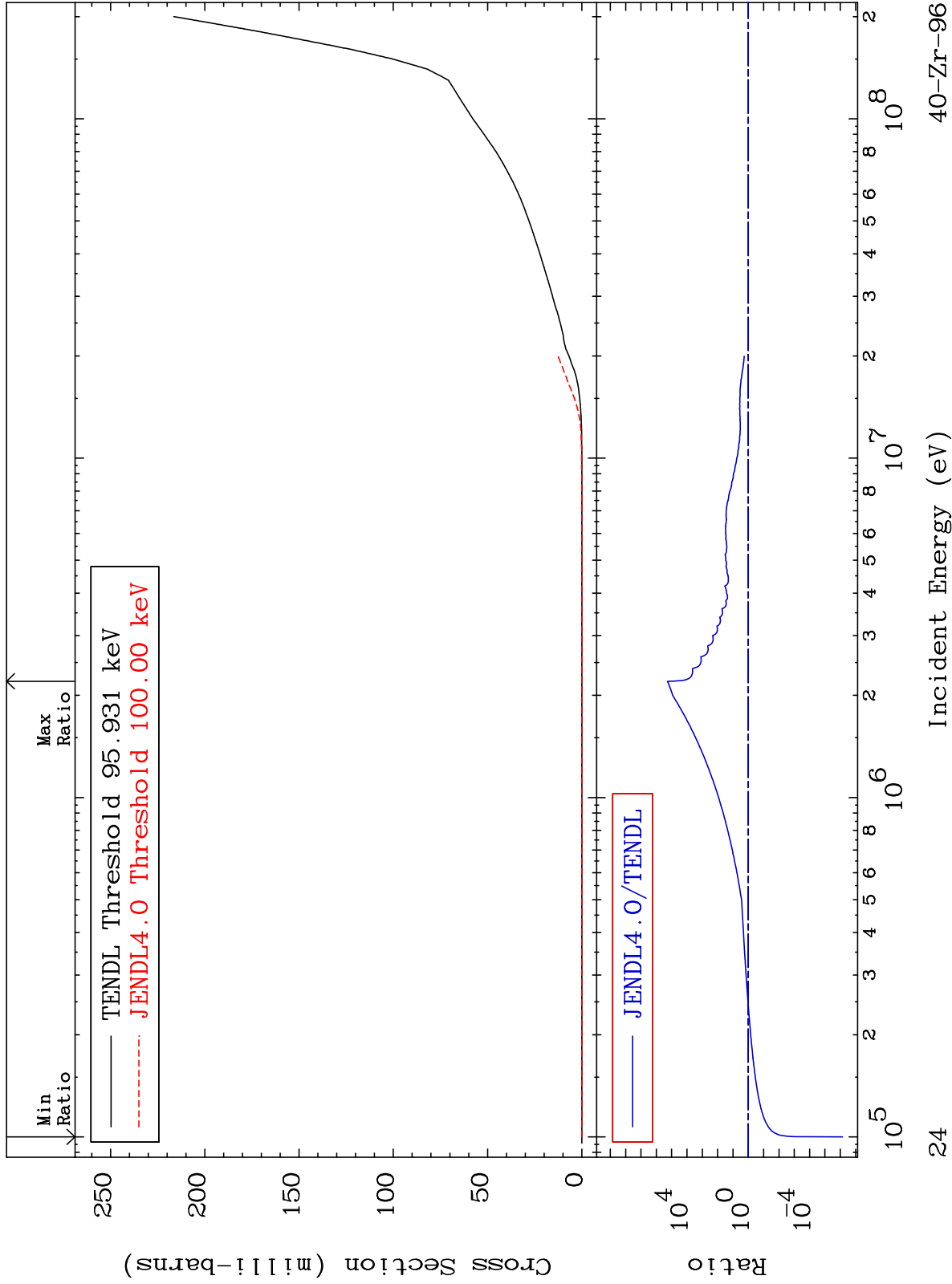
40-Zr-96

23

MAT 4043

He-4 Production
Cross Section

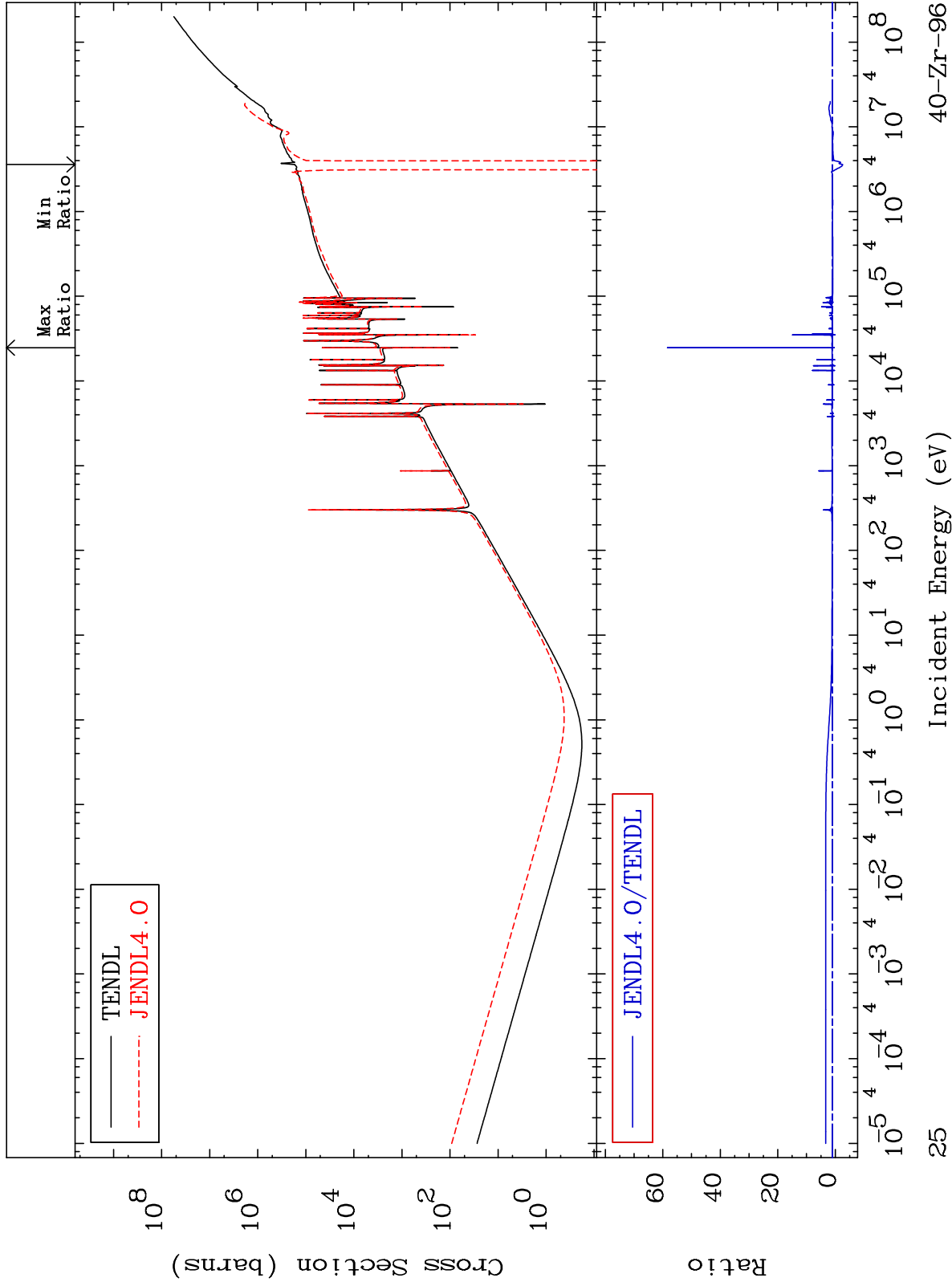
40-Zr-96
-100.0 To 9999. %



MAT 4043

Kerma total (eV-barns)
Cross Section

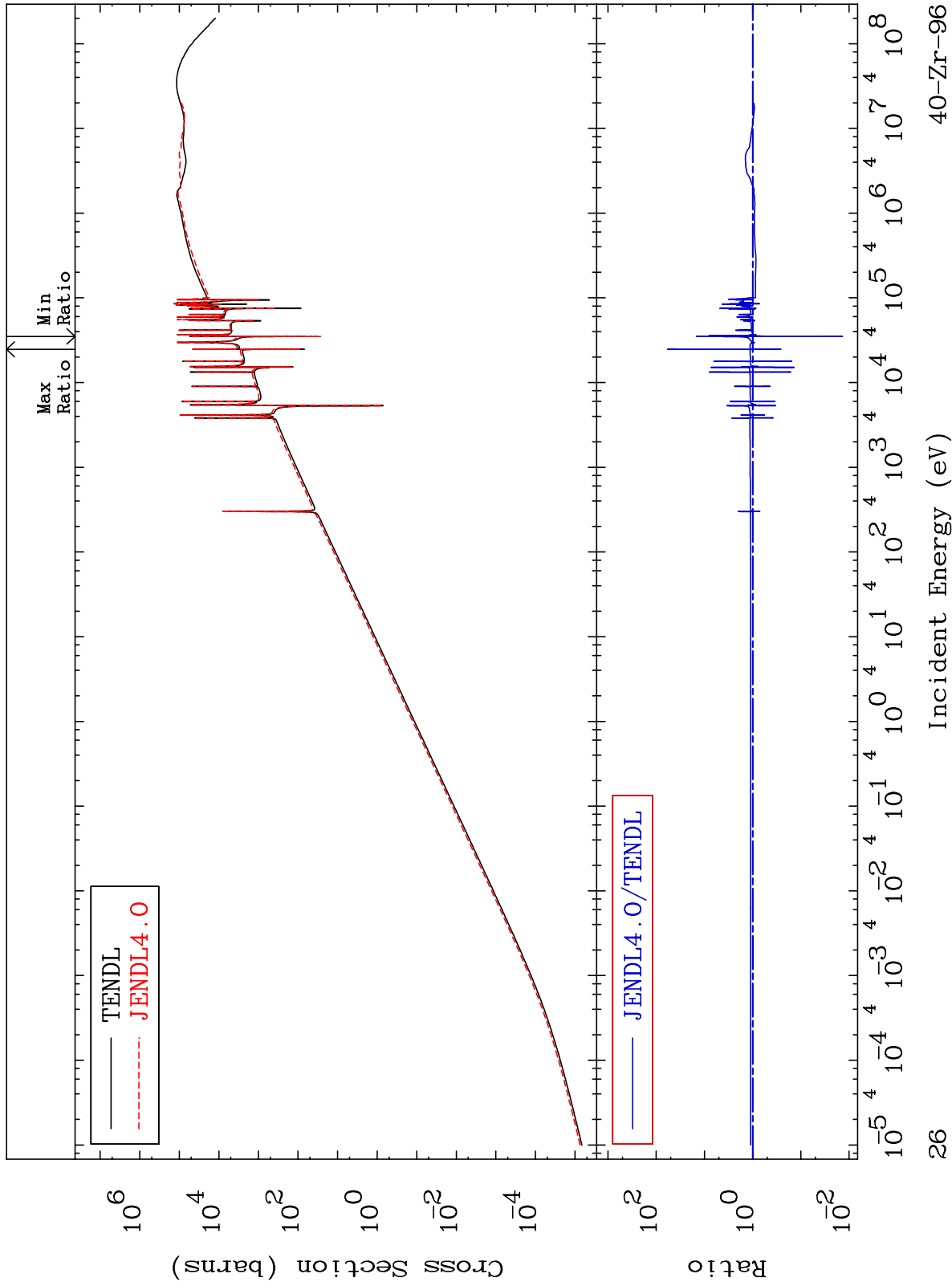
40-Zr-96
-357.3 To 5735. %



MAT 4043

Kerma elastic
Cross Section

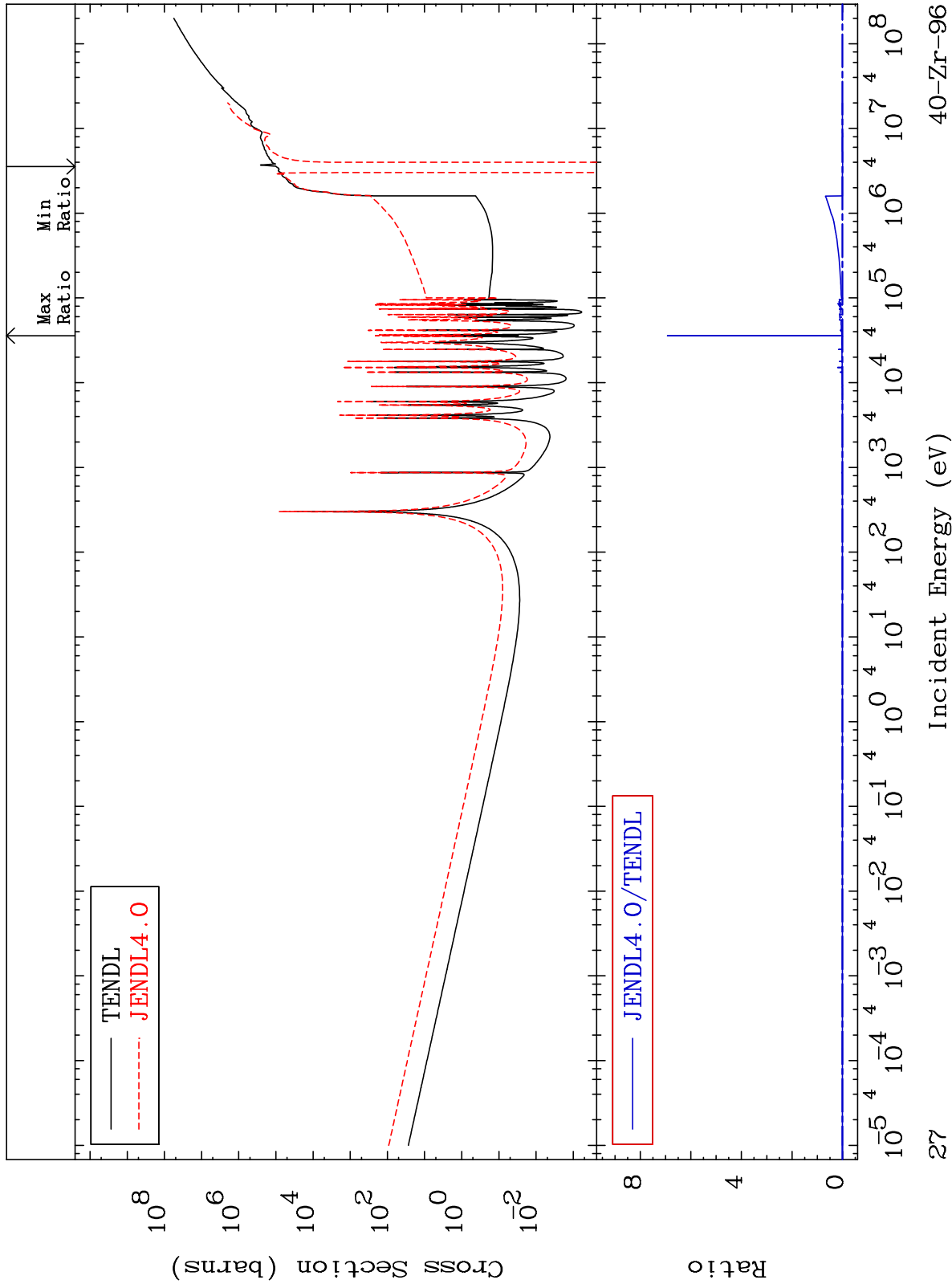
40-Zr-96
-98.64 To 5713. %



MAT 4043

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-96
-635.3 To 9999. %



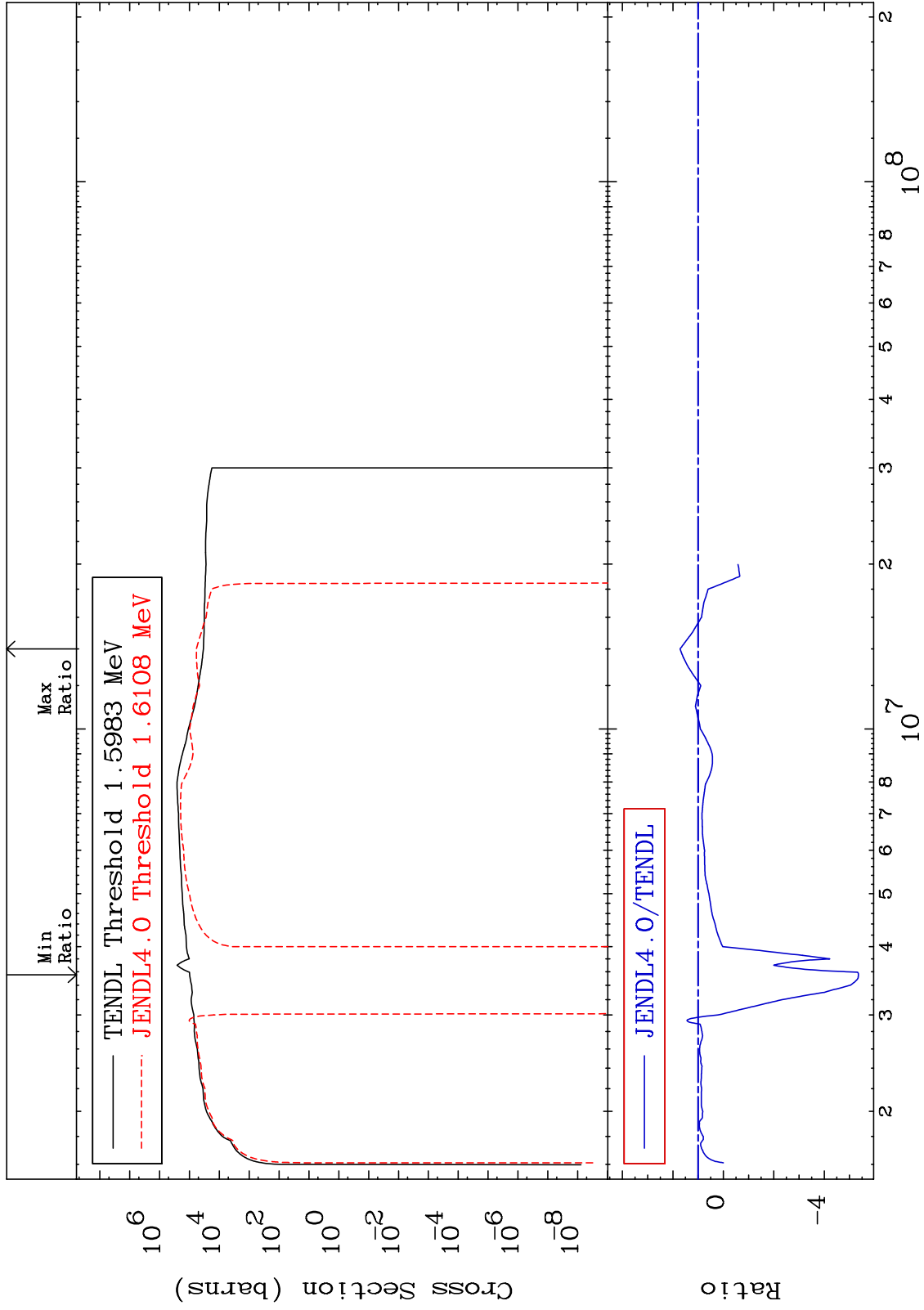
27

40-Zr-96

MAT 4043

Kerma inelastic (mt51-91)
Cross Section

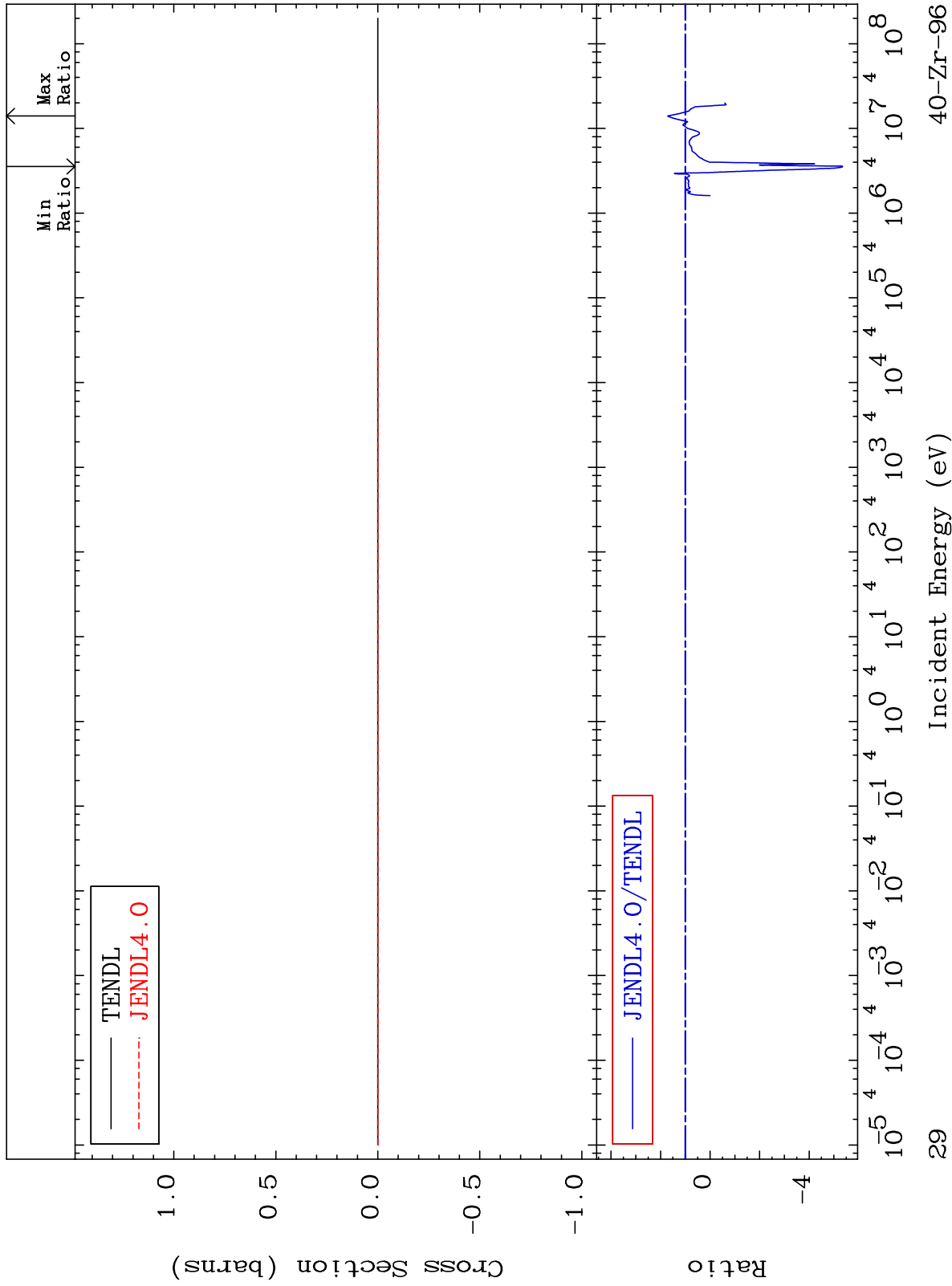
40-Zr-96
-635.5 To 71.70 %



MAT 4043

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

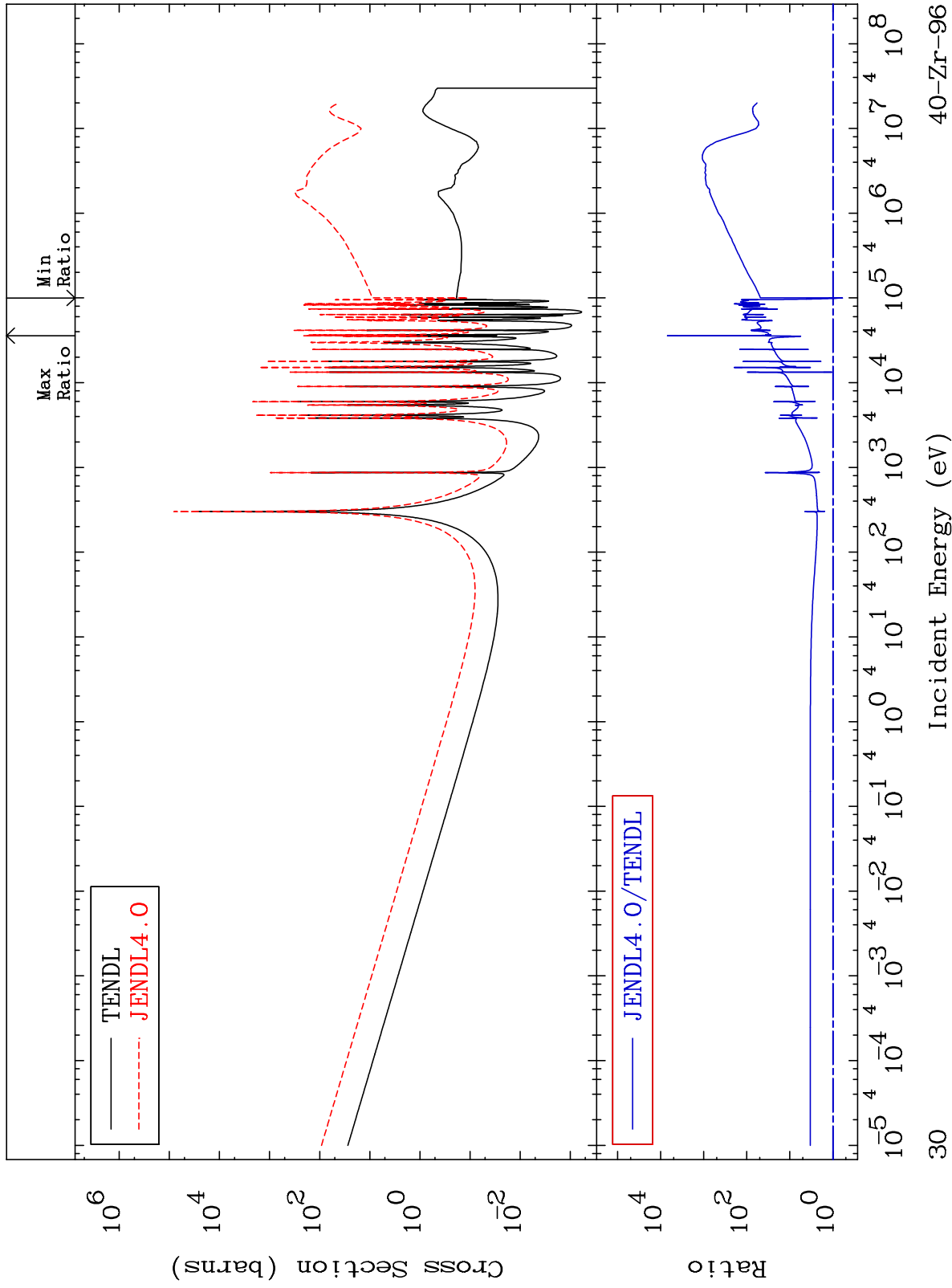
40-Zr-96
-635.5 To 71.70 %



MAT 4043

Kerma capture (mt102)
Cross Section

40-Zr-96
-40.74 To 9999. %



30

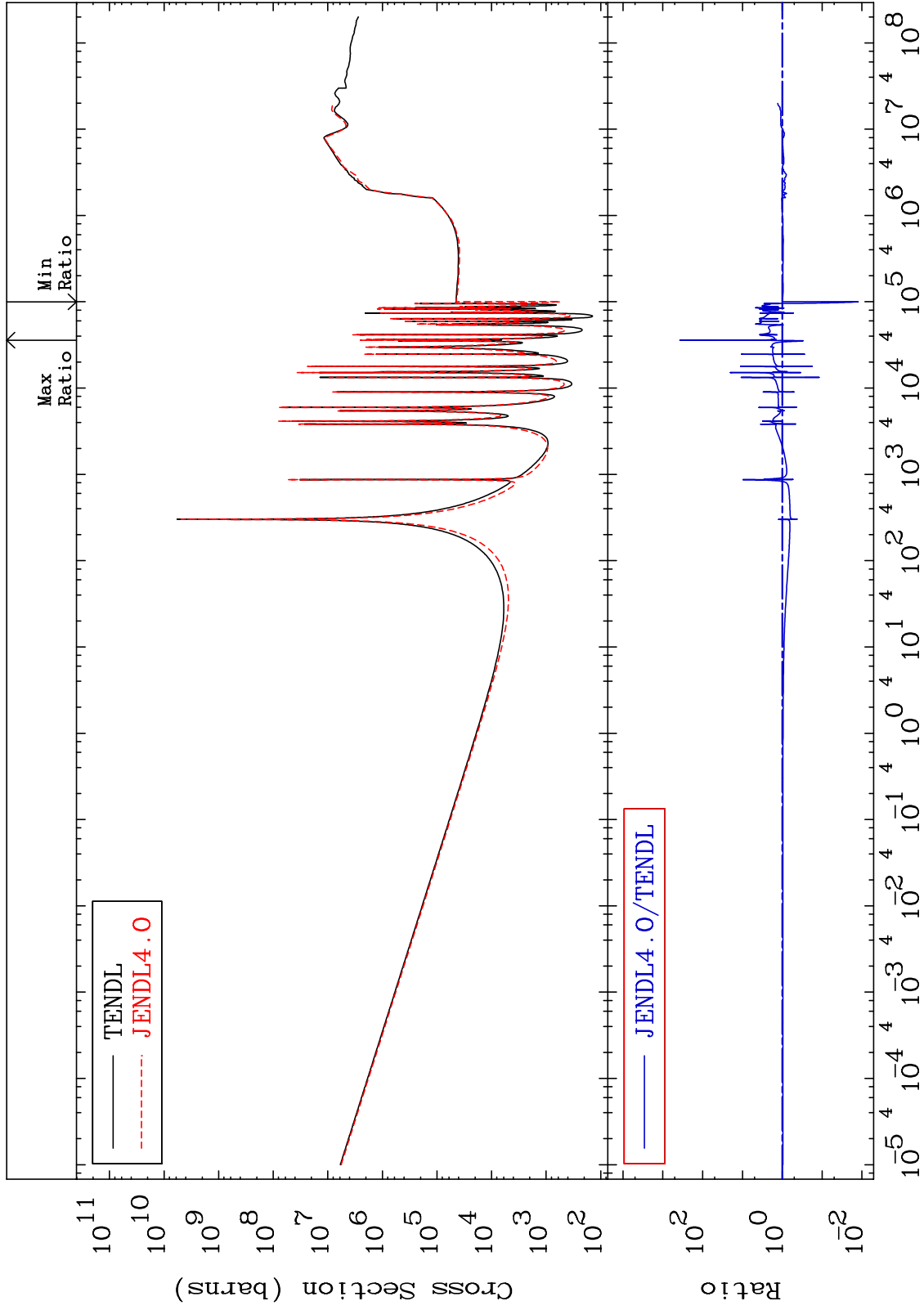
40-Zr-96

MAT 4043

Total photon (eV-barns)
Cross Section

40-Zr-96

-98.77 To 9999. %



31

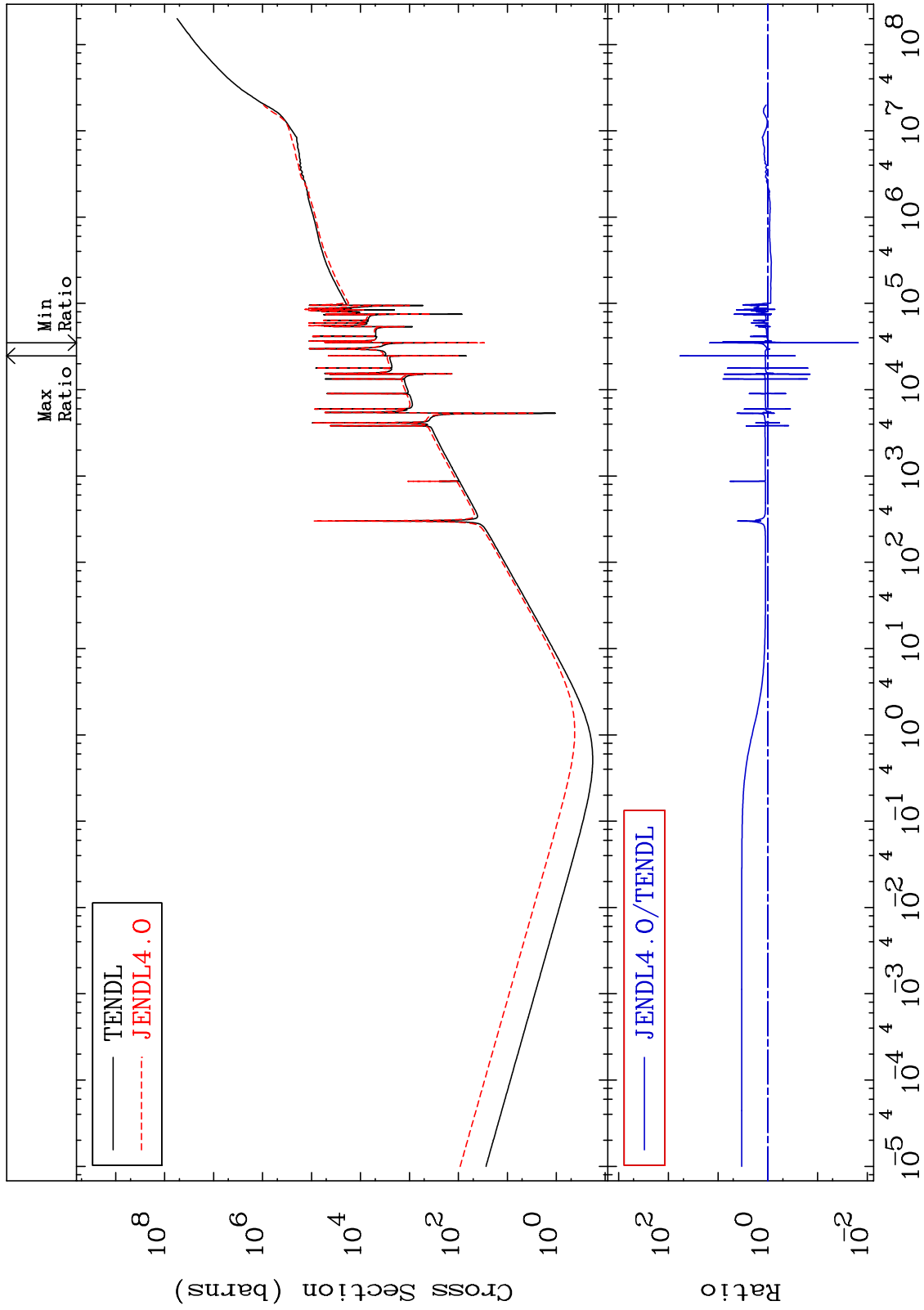
Incident Energy (eV)

40-Zr-96

MAT 4043

Total kinematic kerma (high limit)
Cross Section

40-Zr-96
-98.48 To 5735. %



32

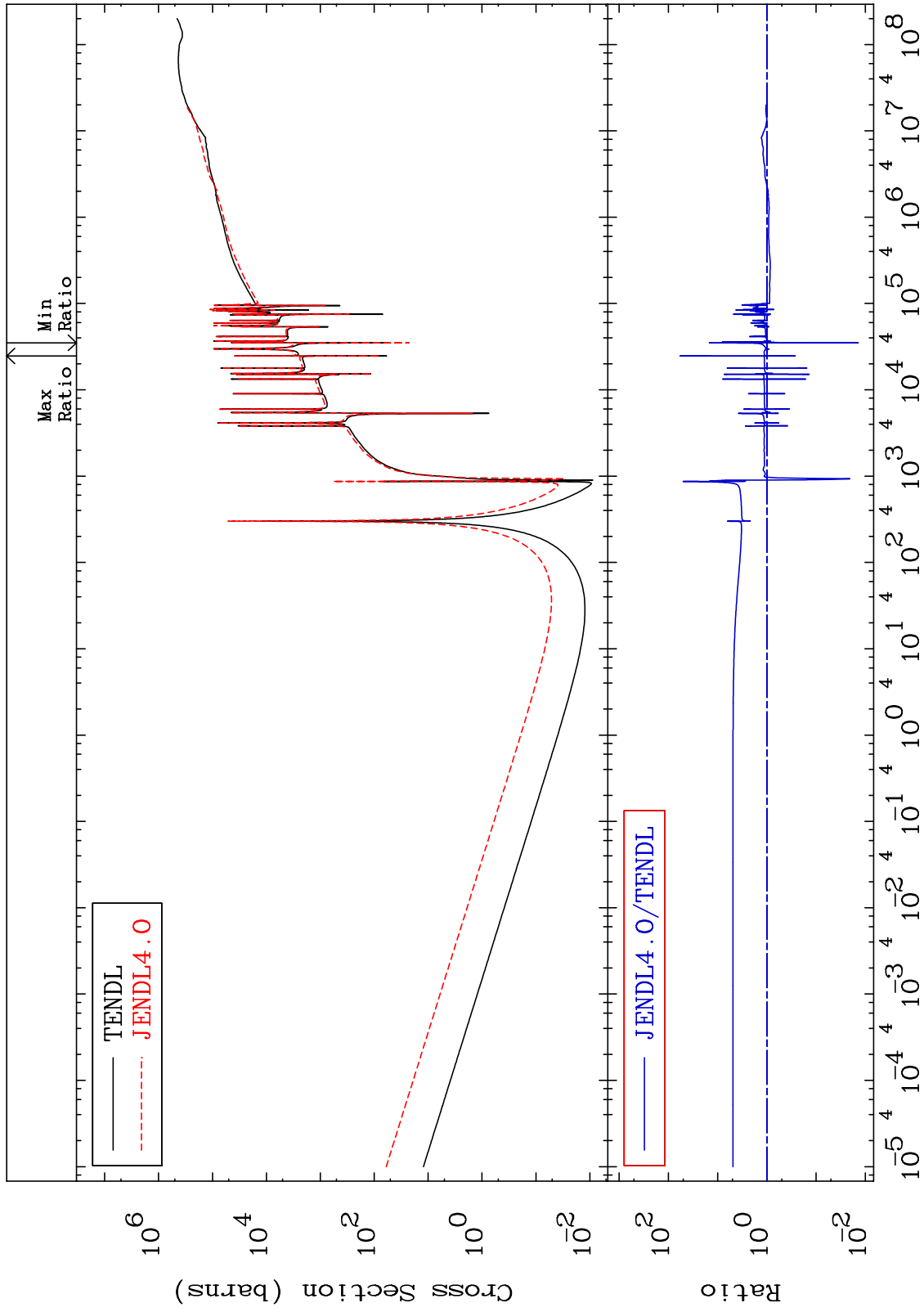
Incident Energy (eV)

40-Zr-96

MAT 4043

Dpa total (eV-barns)
Cross Section

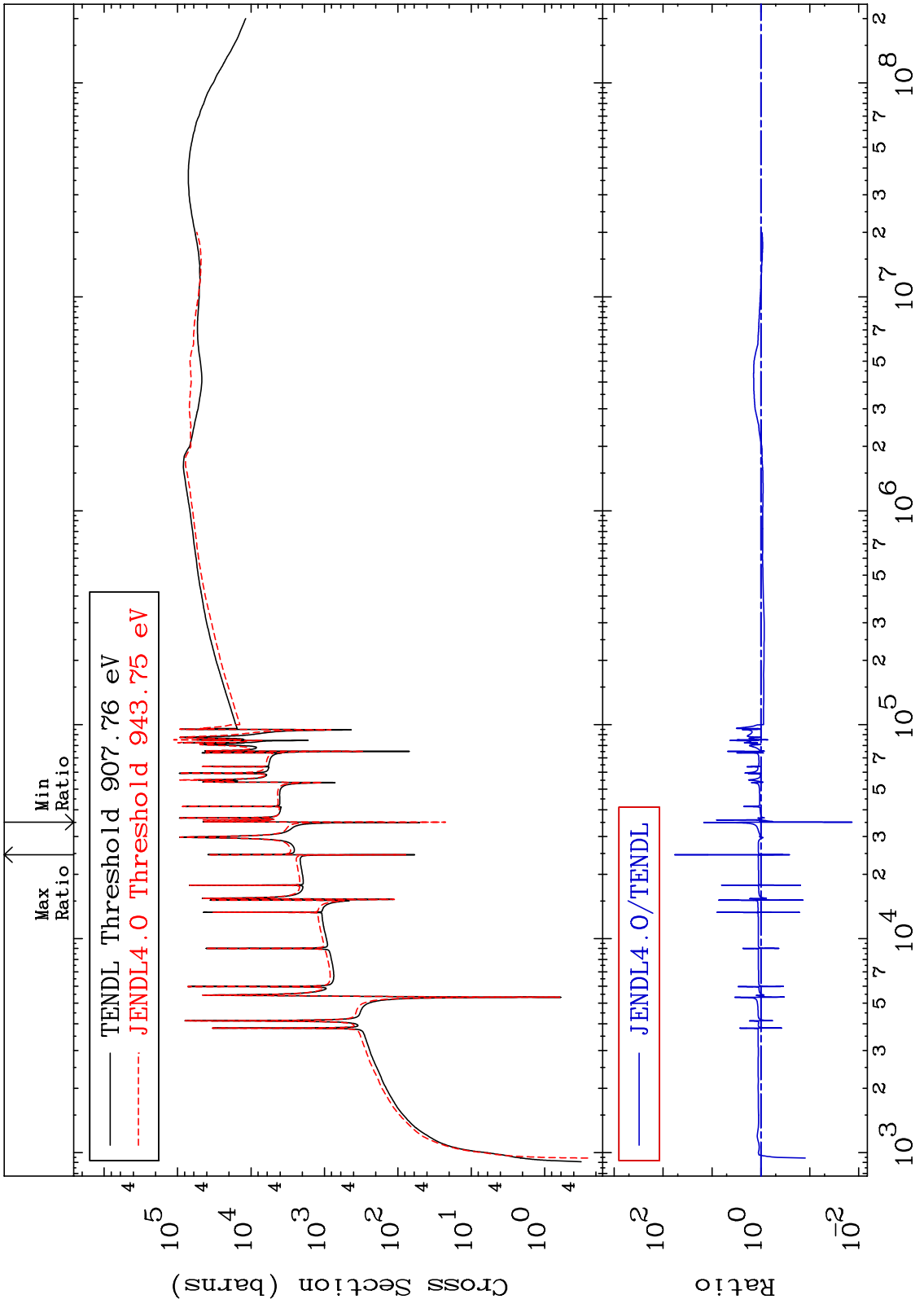
40-Zr-96
-98.61 To 5710. %



MAT 4043

Dpa elastic (mt2)
Cross Section

40-Zr-96
-98.64 To 5714. %



34

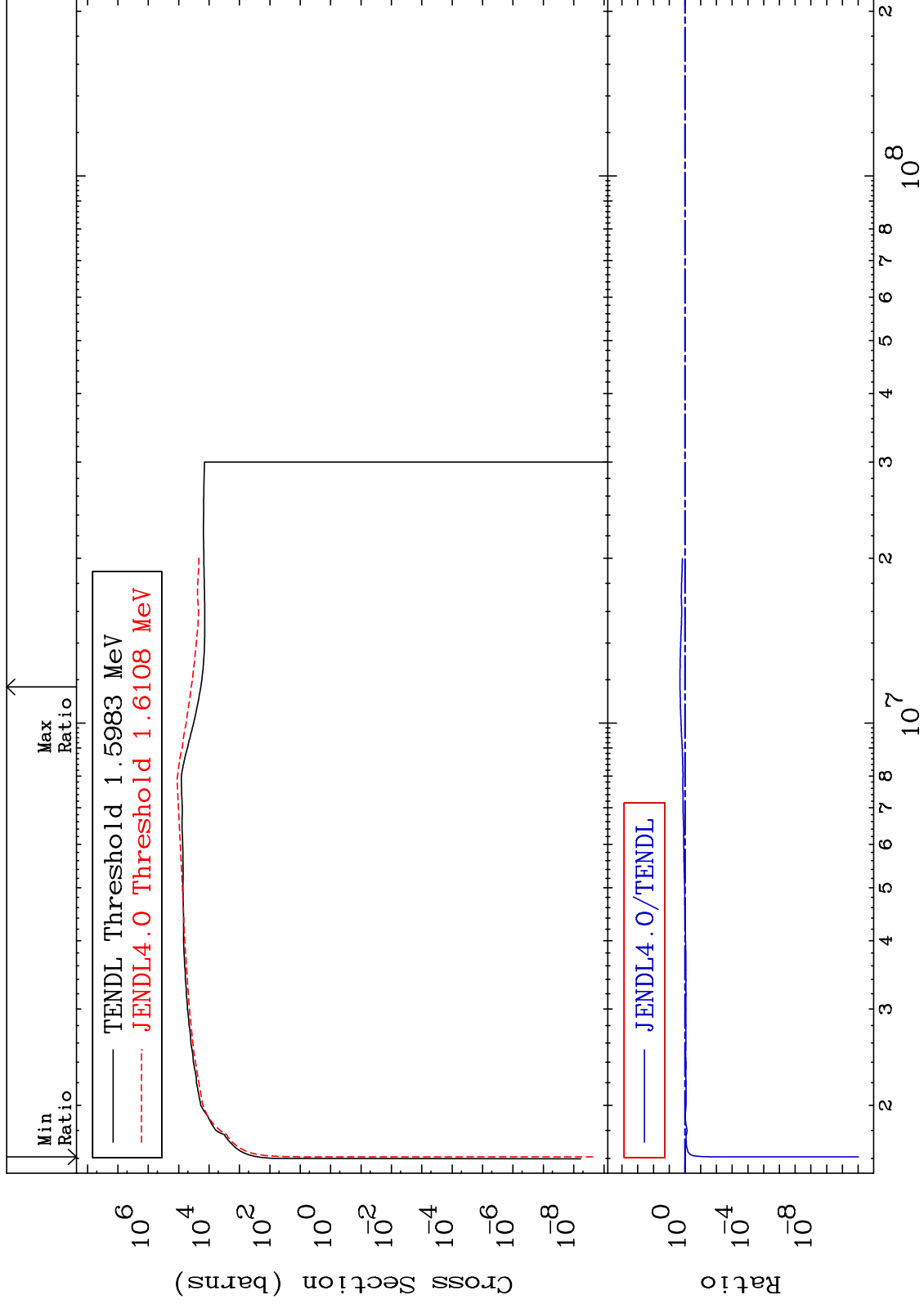
40-Zr-96

40-Zr-96

MAT 4043

Dpa inelastic (mt51-91)
Cross Section

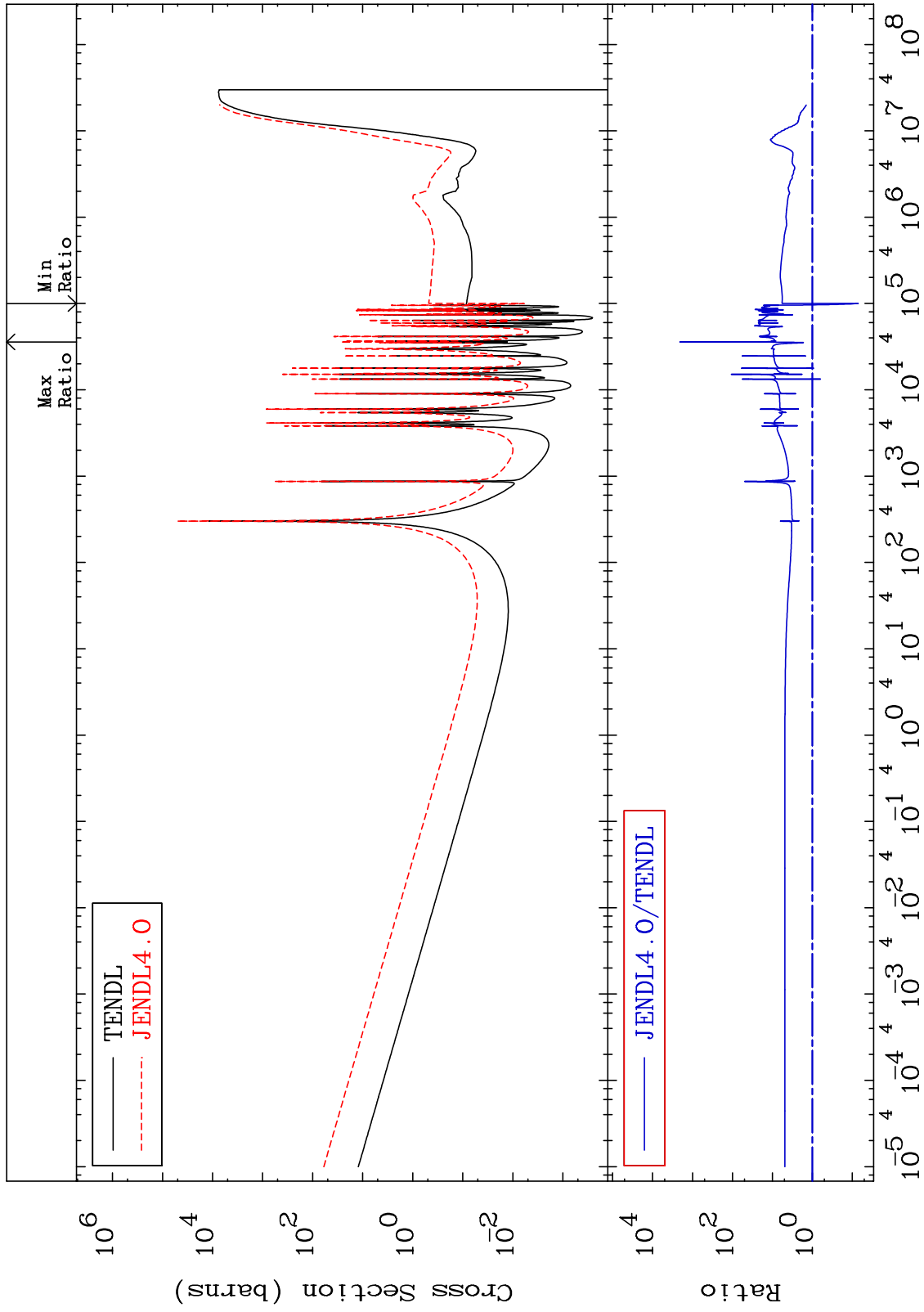
40-Zr-96
-100.0 To 105.8 %



MAT 4043

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-96
-92.97 To 9999. %



36

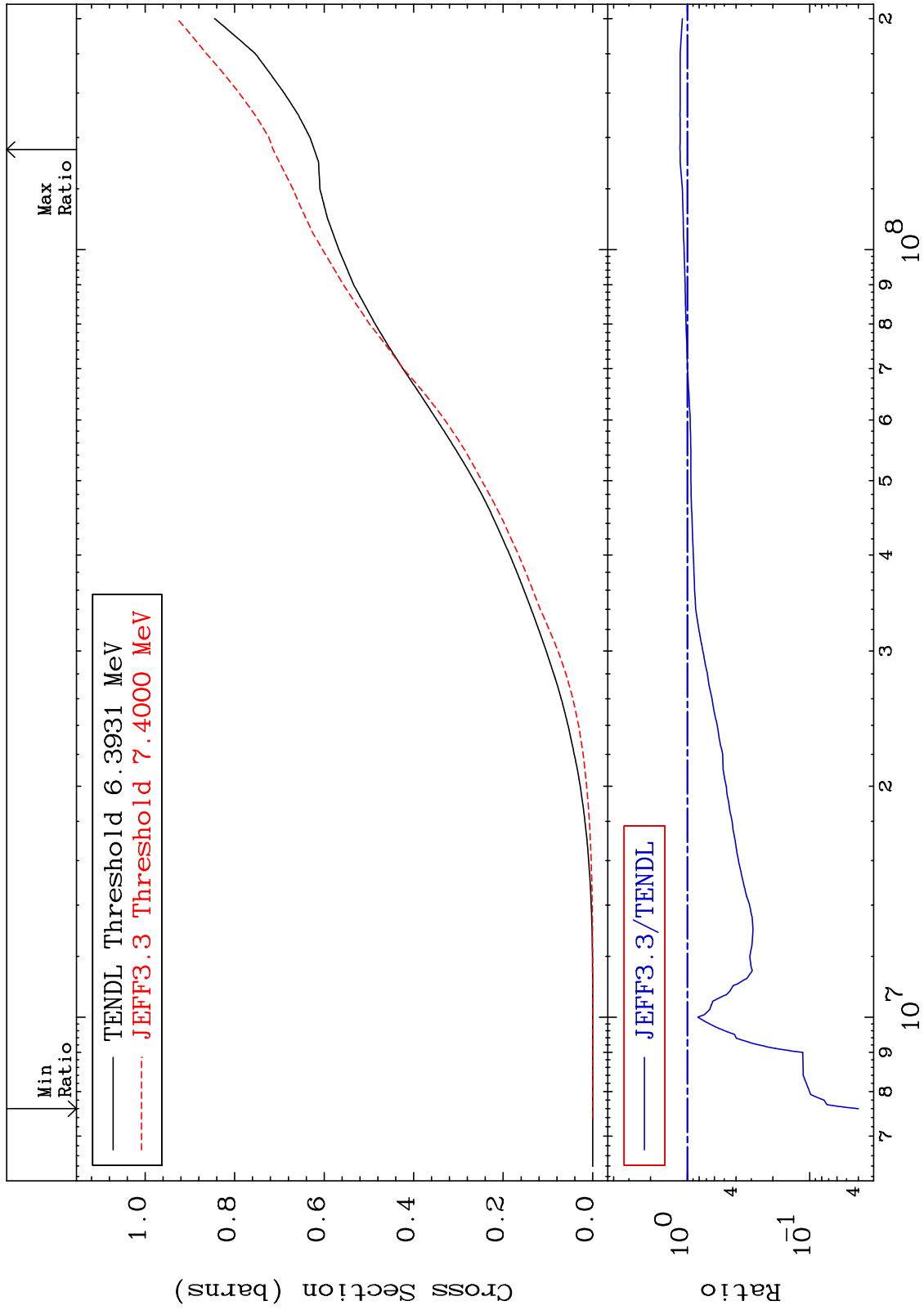
Incident Energy (eV)

40-Zr-96

MAT 4043

Hydrogen Production
Cross Section

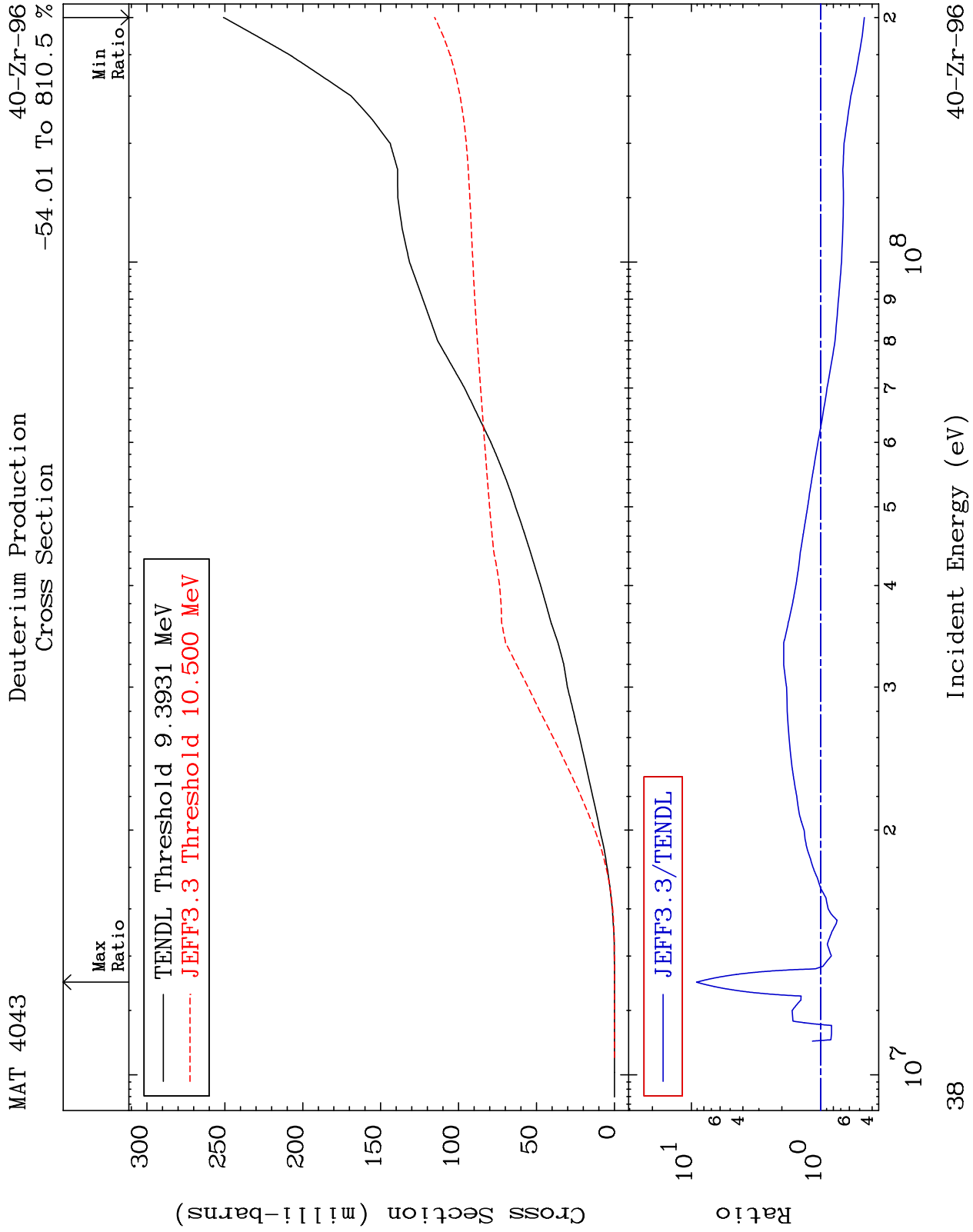
40-Zr-96
-96.00 To 14.76 %

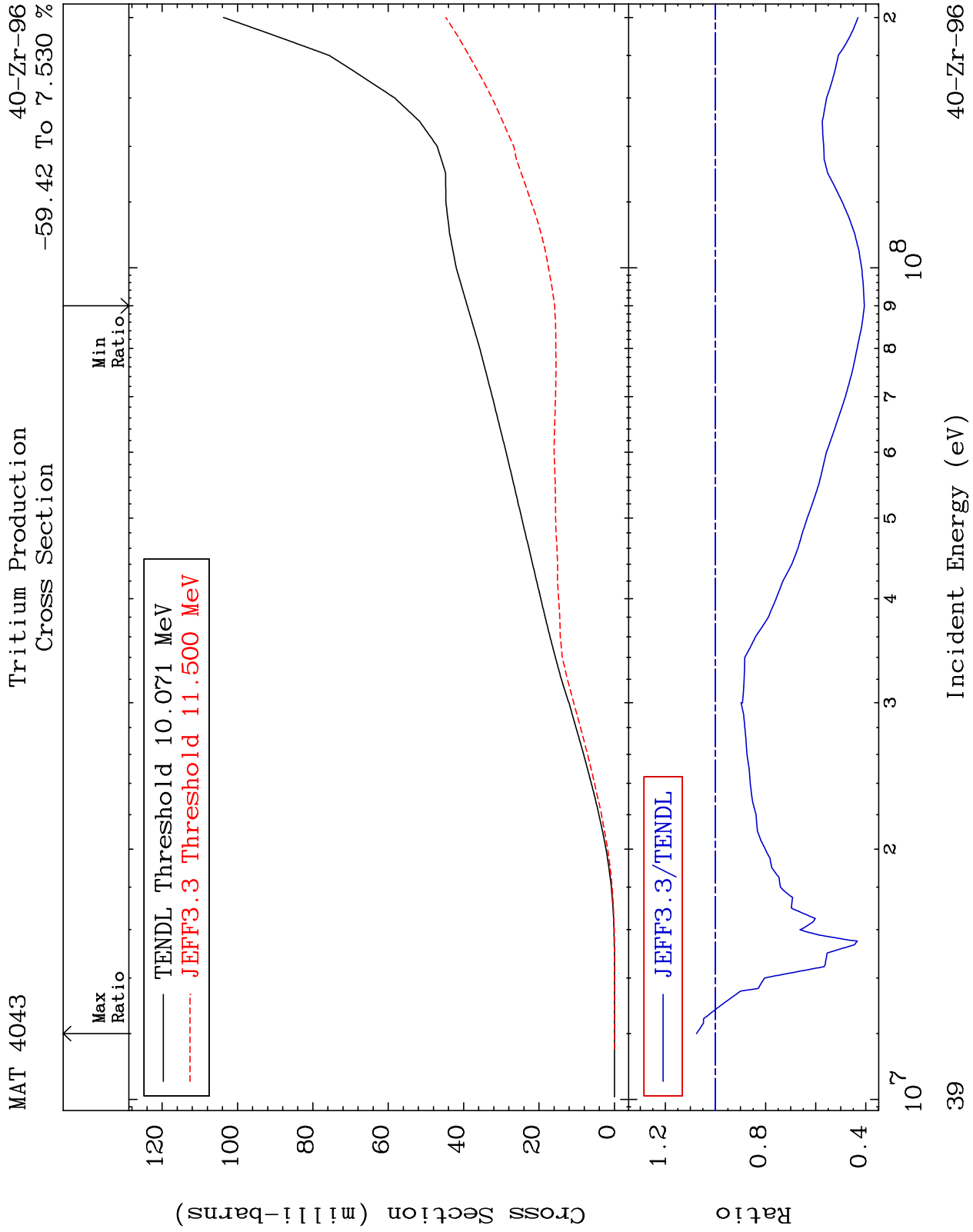


37

Incident Energy (eV)

40-Zr-96

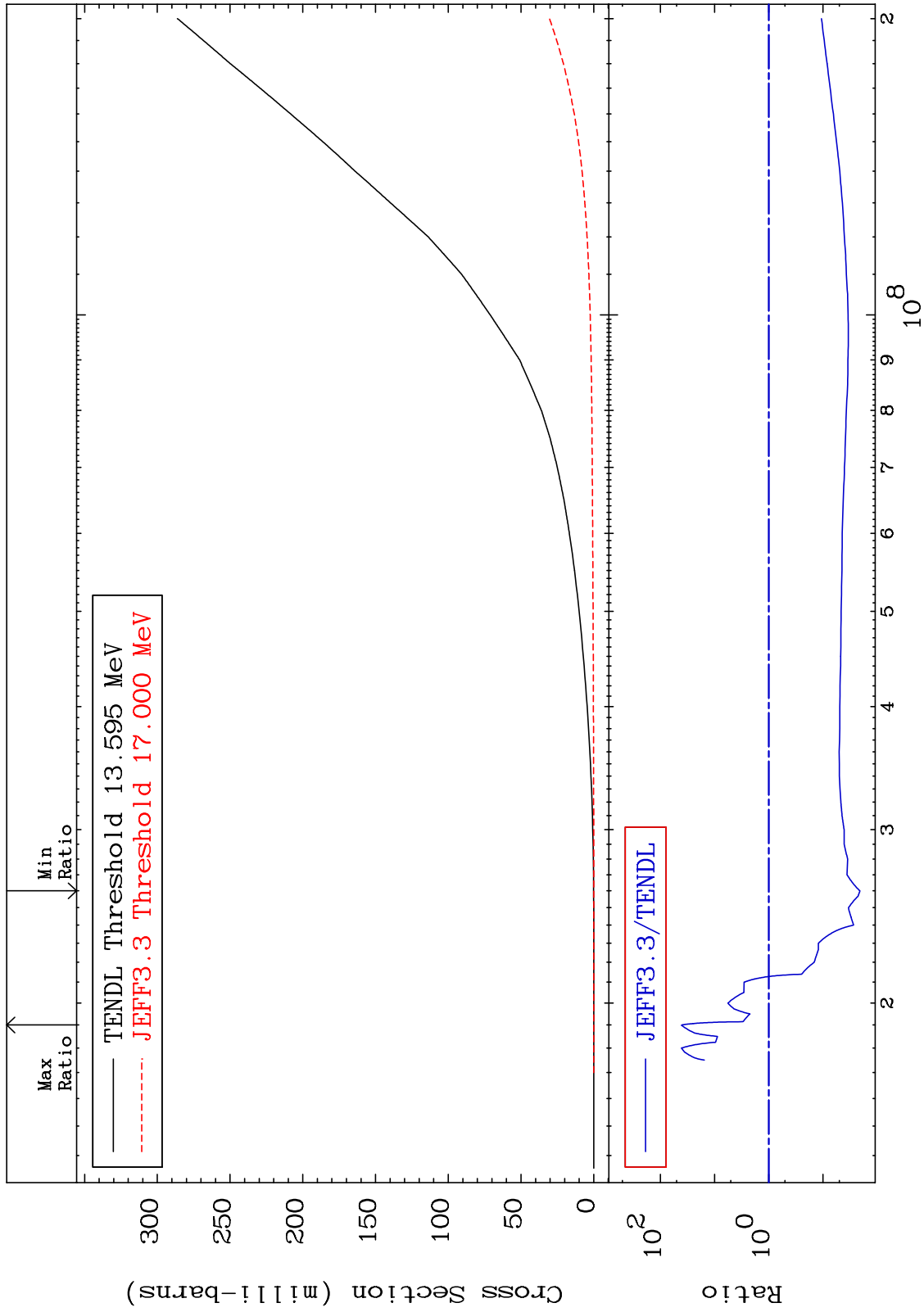




MAT 4043

He-3 Production
Cross Section

40-Zr-96
-97.92 To 4012. %



Max Ratio

Min Ratio

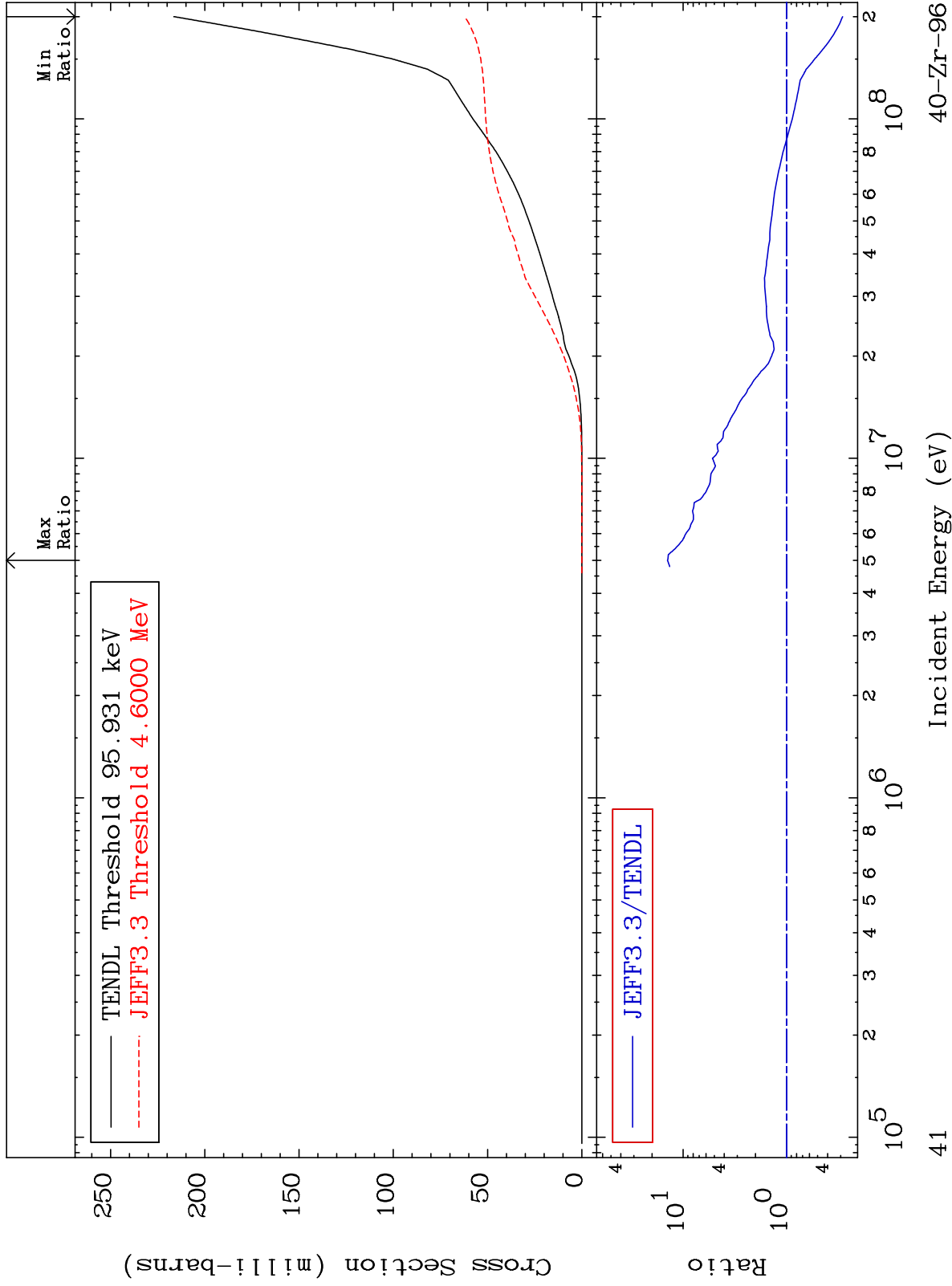
TENDL Threshold 13.595 MeV
JEFF3.3 Threshold 17.000 MeV

JEFF3.3/TENDL

MAT 4043

He-4 Production
Cross Section

40-Zr-96
-71.34 To 1316. %

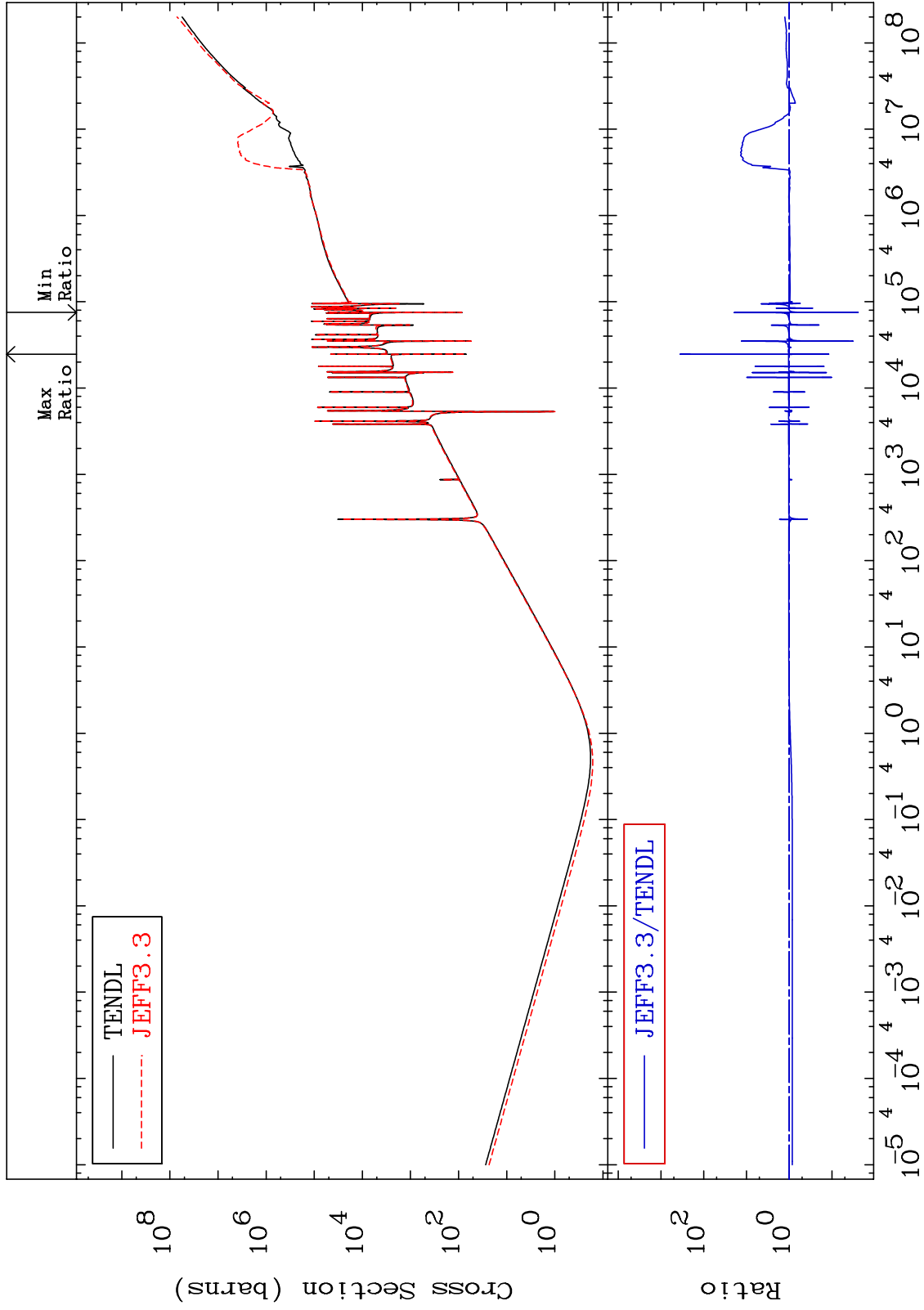


41

MAT 4043

Kerma total (eV-barns)
Cross Section

40-Zr-96
-97.58 To 9999. %



42

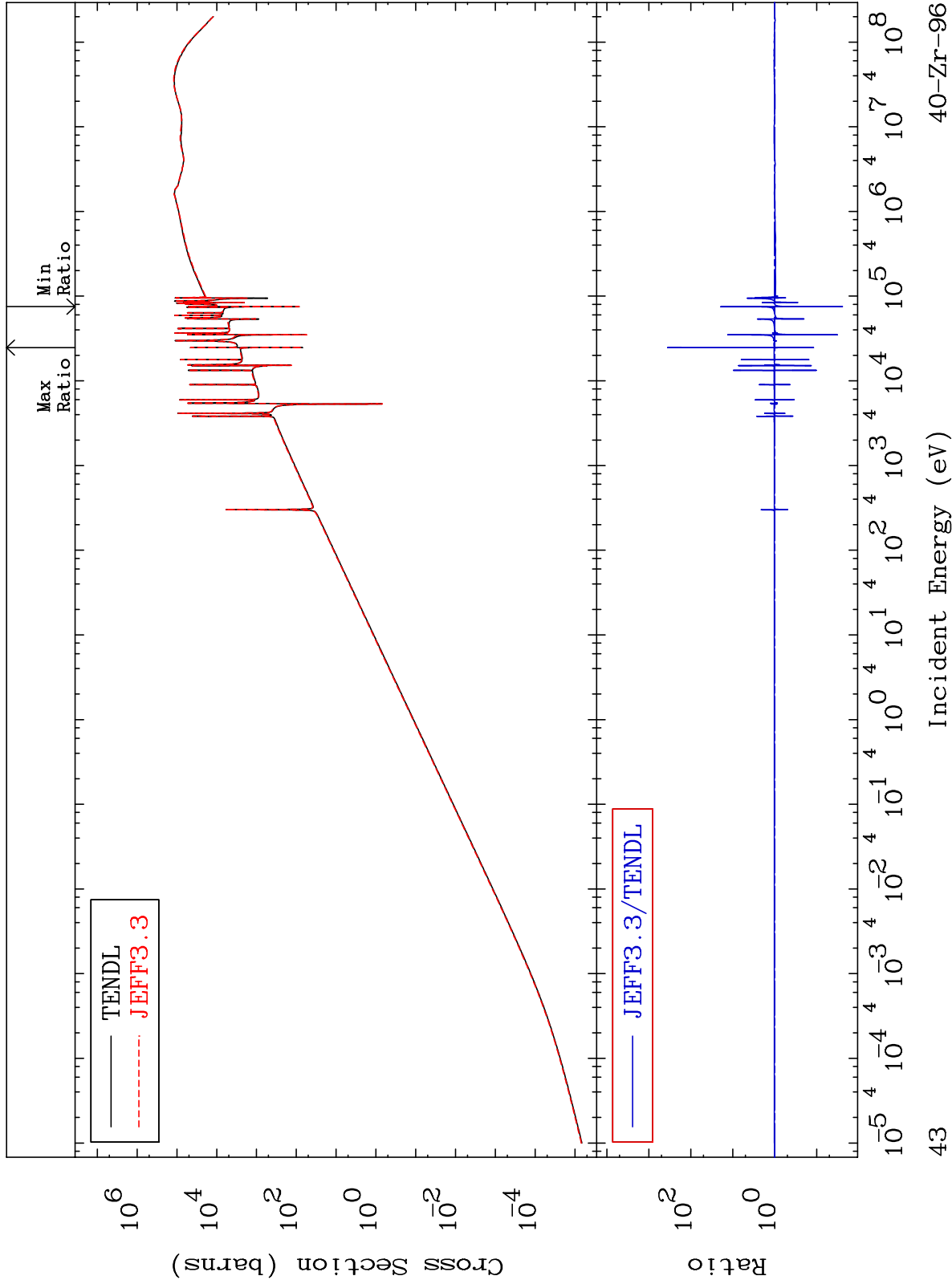
Incident Energy (eV)

40-Zr-96

MAT 4043

Kerma elastic
Cross Section

40-Zr-96
-97.58 To 9999. %



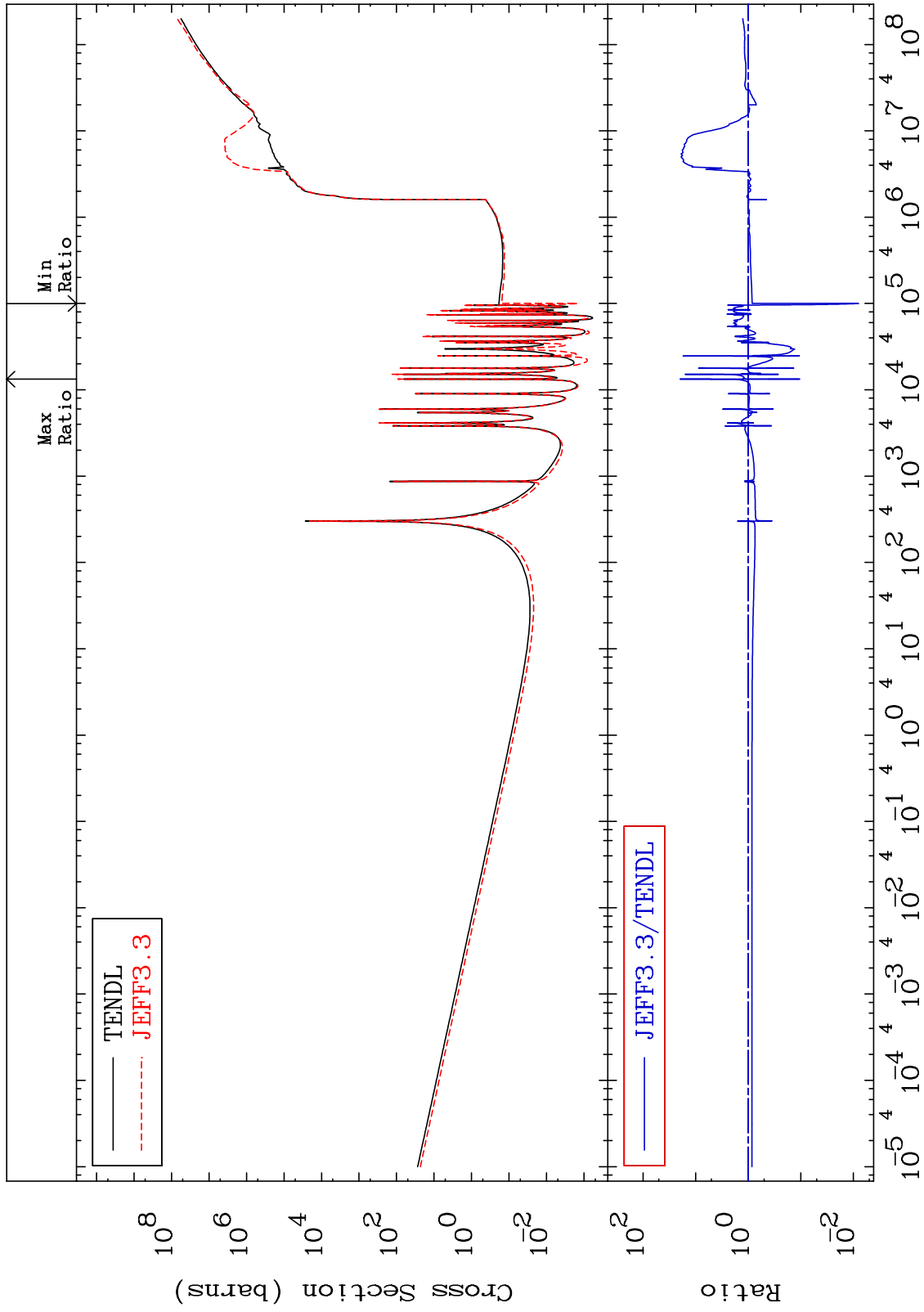
43

40-Zr-96

MAT 4043

Kerma non-elastic (all but mt2)
Cross Section

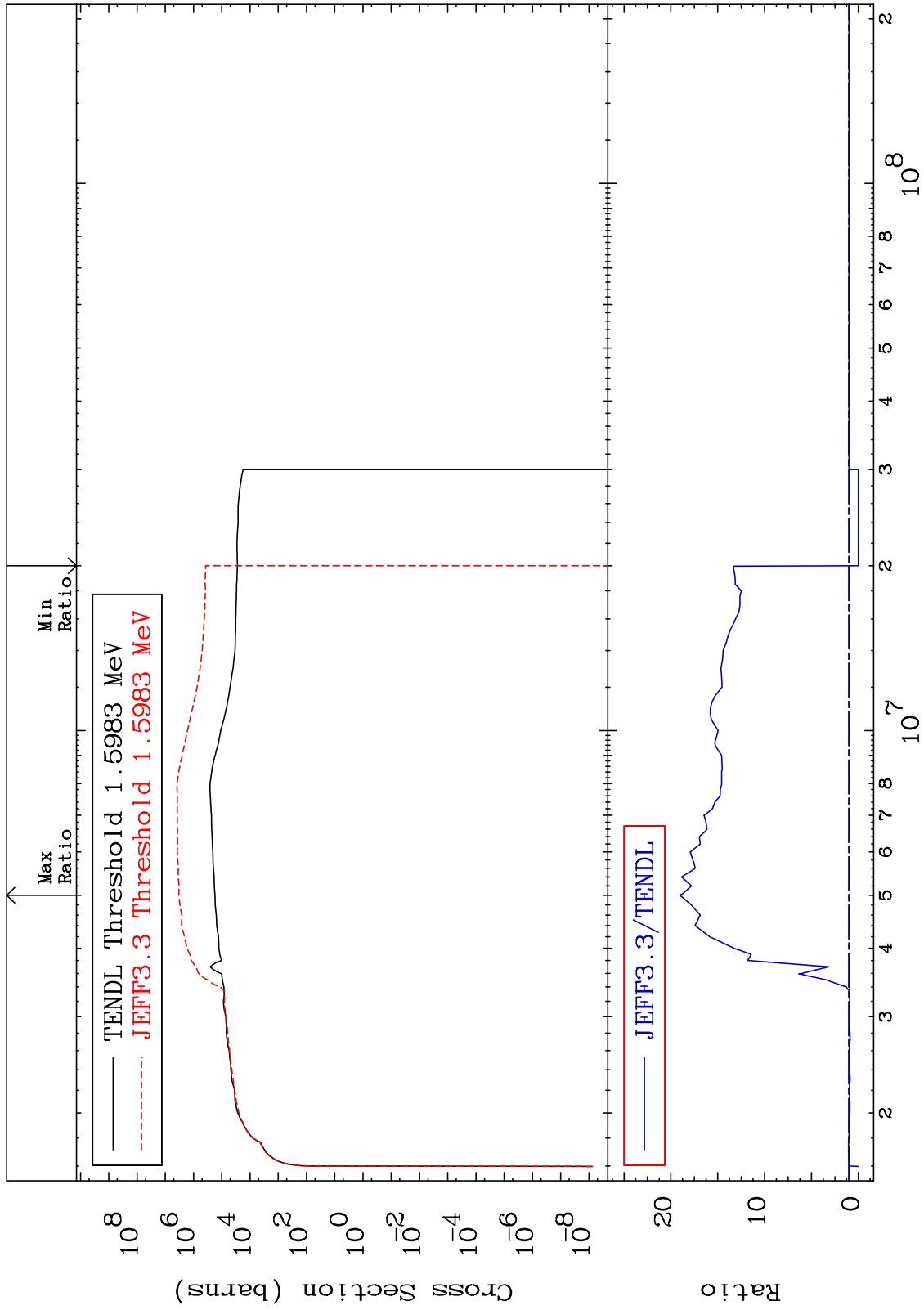
40-Zr-96
-99.20 To 1881. %



MAT 4043

Kerma inelastic (mt51-91)
Cross Section

40-Zr-96
-100.0 To 1803. %



45

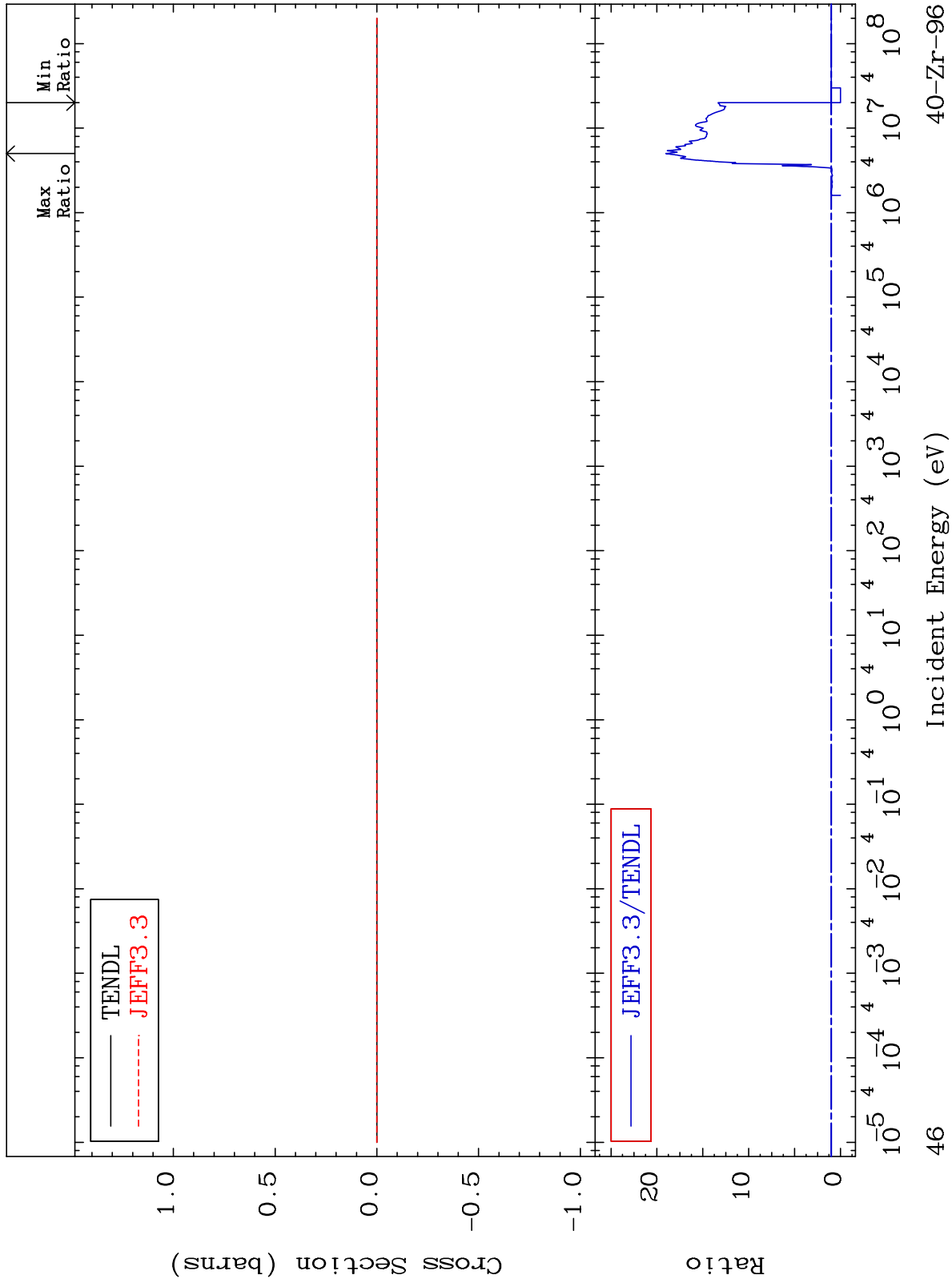
Incident Energy (eV)

40-Zr-96

MAT 4043

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

40-Zr-96
-100.0 To 1803. %



46

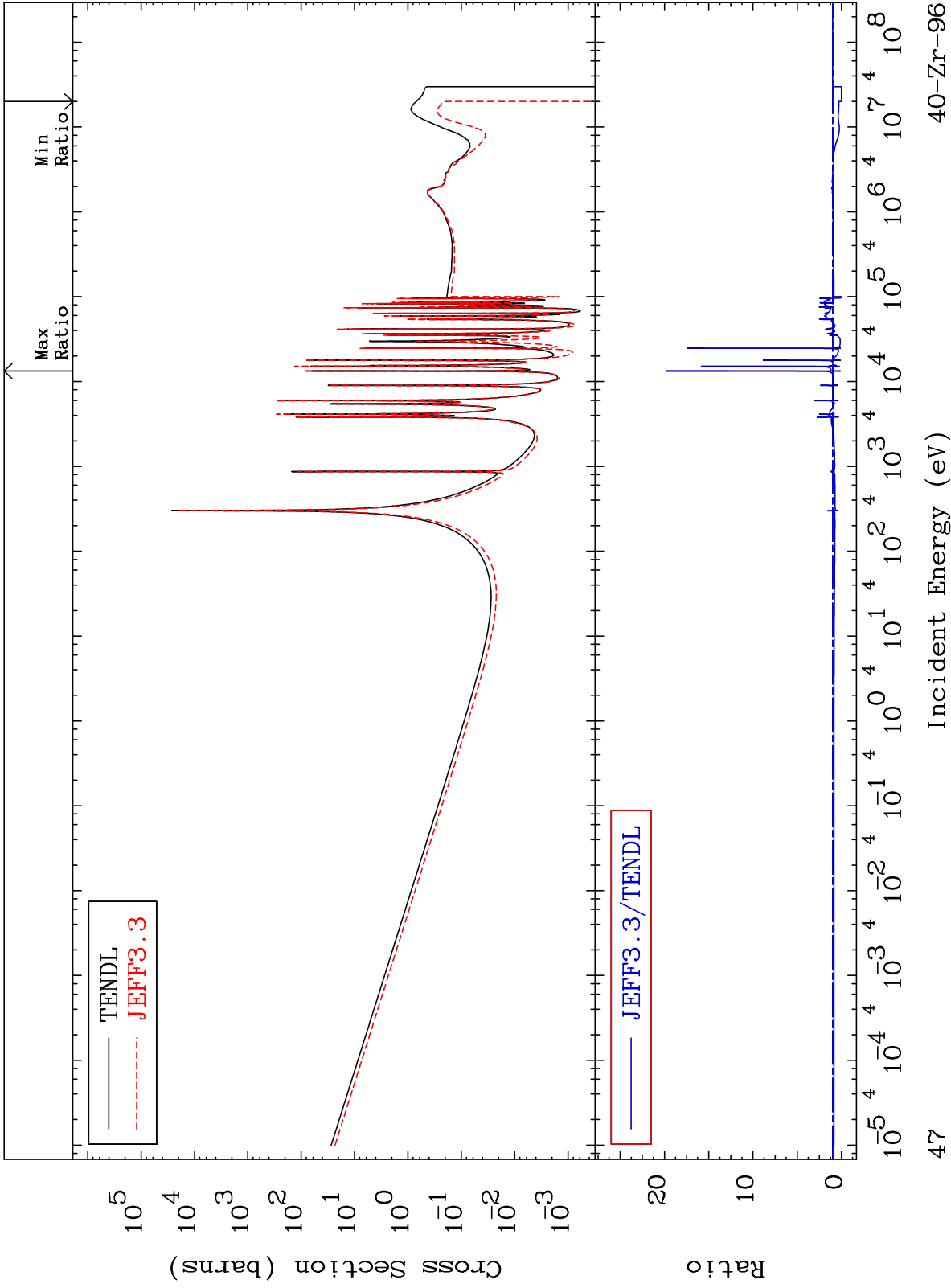
Incident Energy (eV)

40-Zr-96

MAT 4043

Kerma capture (mt102)
Cross Section

40-Zr-96
-100.0 To 1881. %



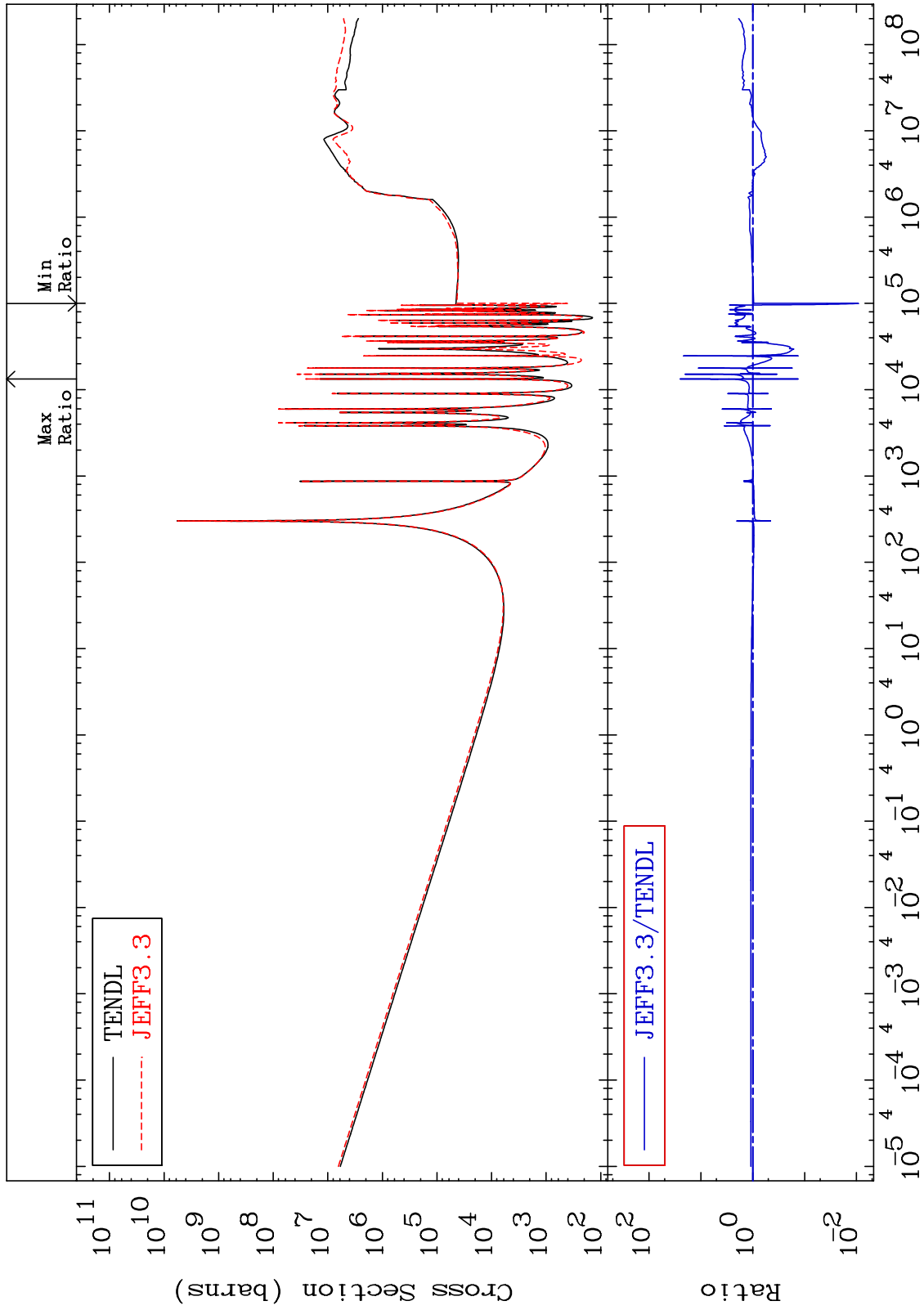
47

40-Zr-96

MAT 4043

Total photon (eV-barns)
Cross Section

40-Zr-96
-99.08 To 2422. %



48

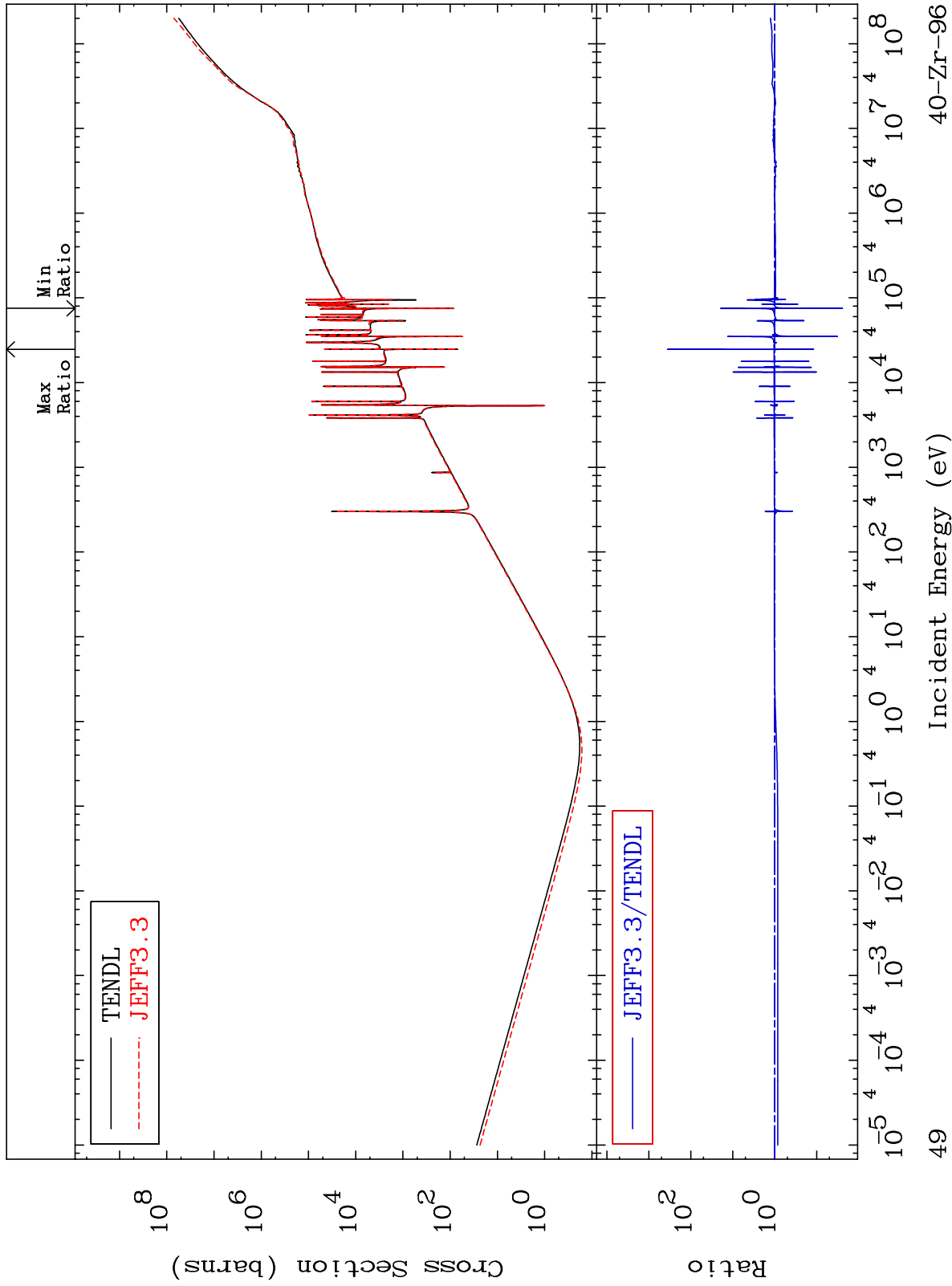
Incident Energy (eV)

40-Zr-96

MAT 4043

Total kinematic kerma (high limit)
Cross Section

40-Zr-96
-97.58 To 9999. %



49

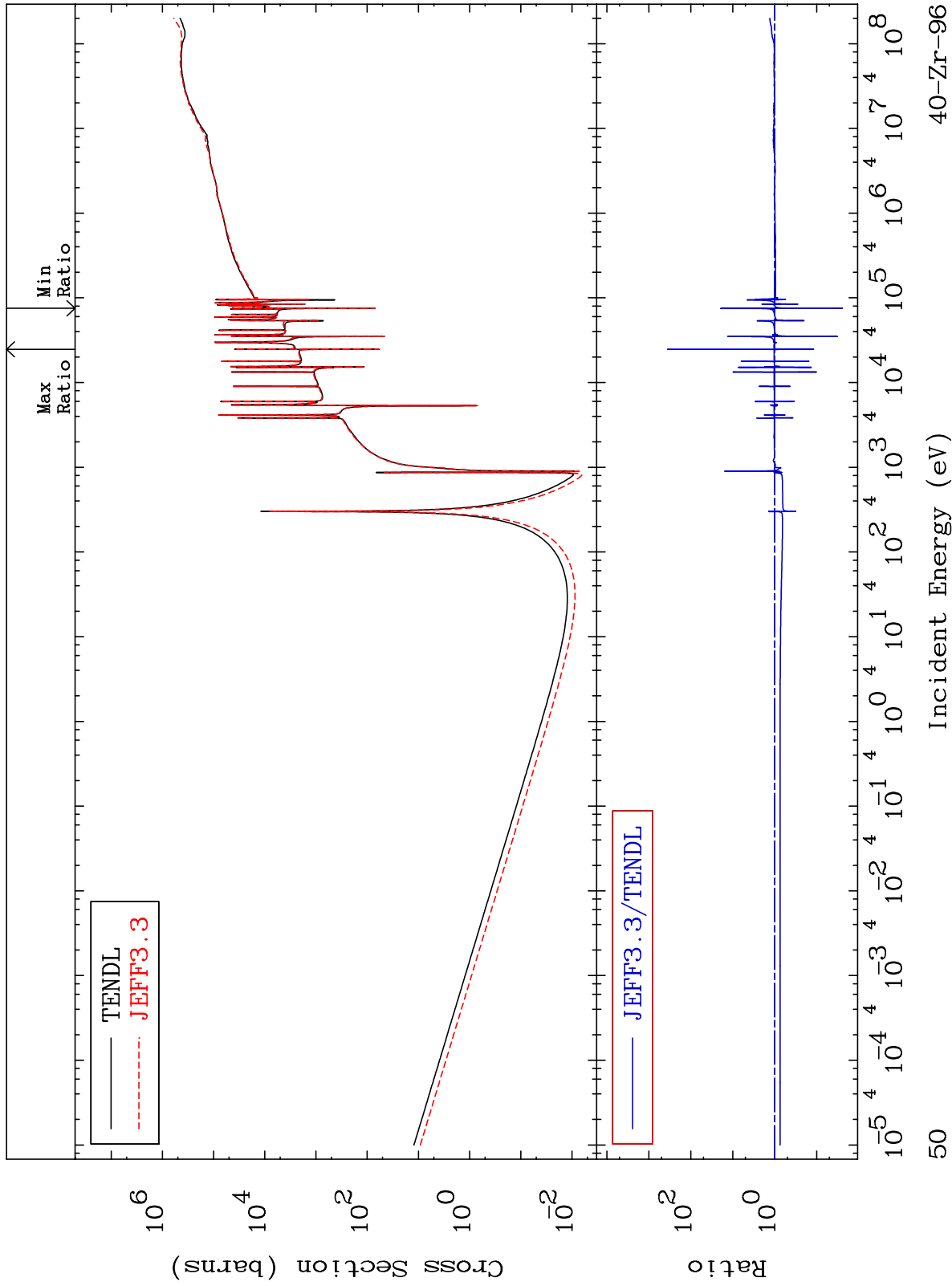
Incident Energy (eV)

40-Zr-96

MAT 4043

Dpa total (eV-barns)
Cross Section

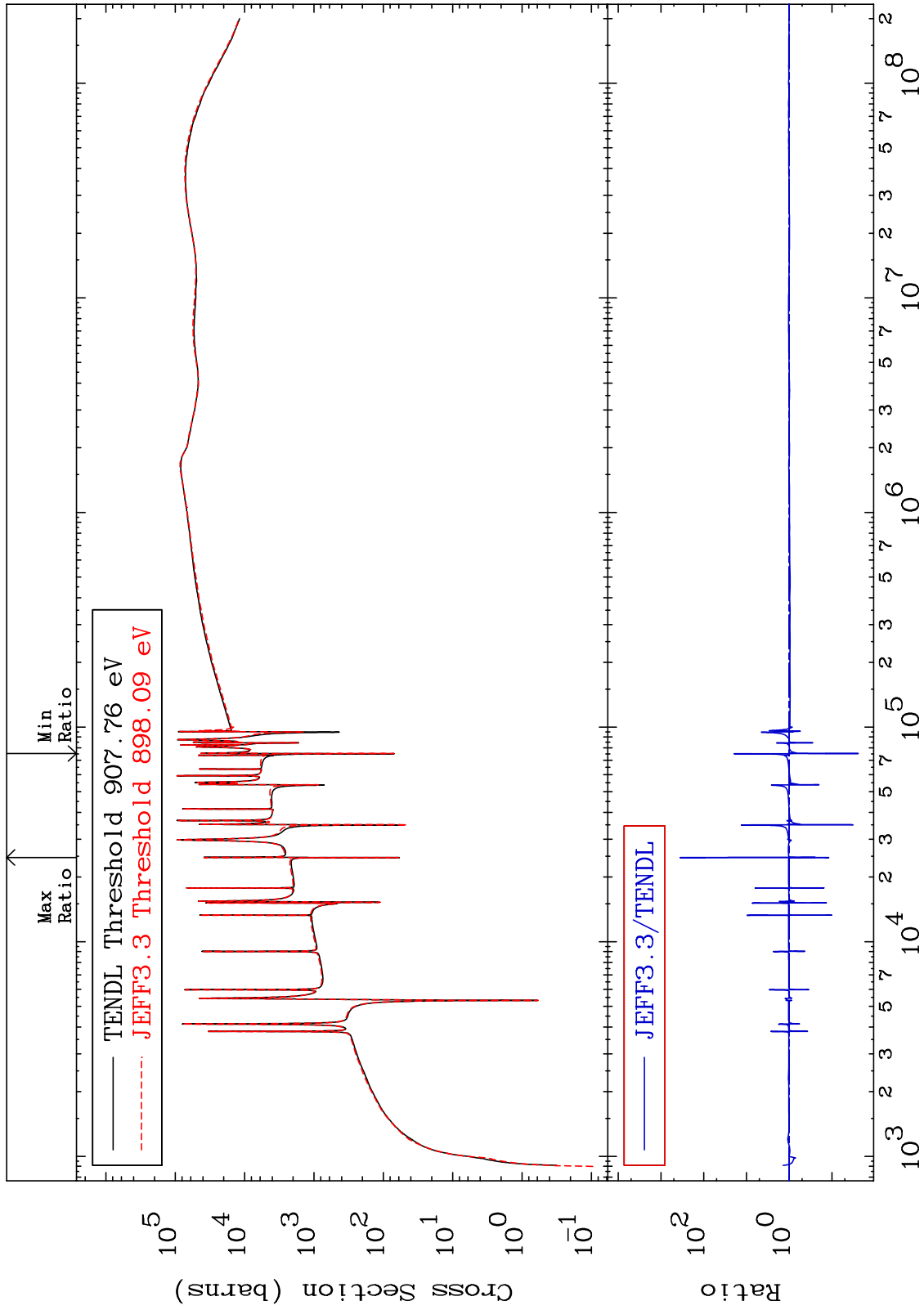
40-Zr-96
-97.58 To 9999. %



MAT 4043

Dpa elastic (mt2)
Cross Section

40-Zr-96
-97.58 To 9999. %



51

Incident Energy (eV)

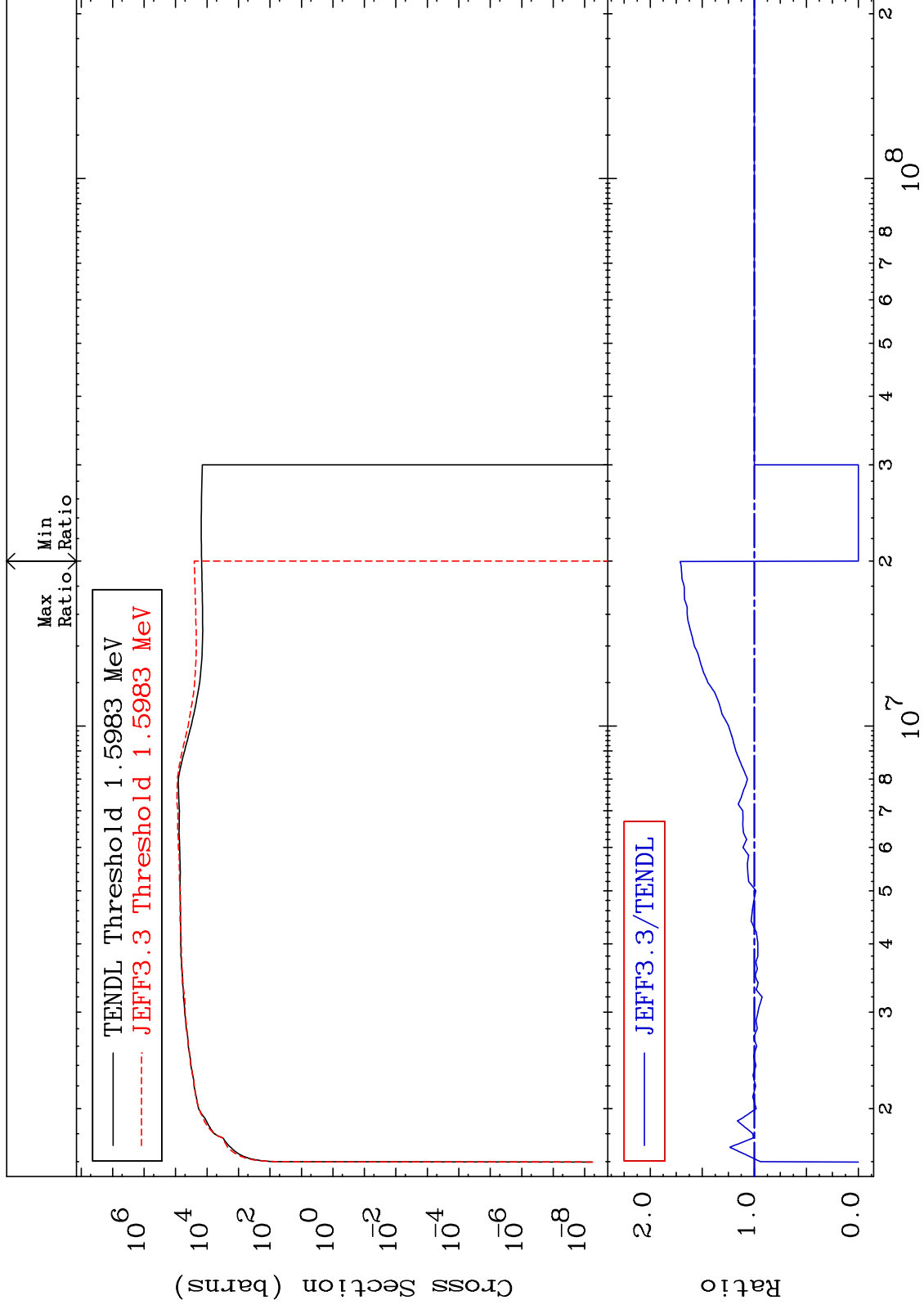
40-Zr-96

MAT 4043

Dpa inelastic (mt51-91)

40-Zr-96

-100.0 To 71.36 %



52

Incident Energy (eV)

40-Zr-96

MAT 4043

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-96
-100.0 To 1652. %

