

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

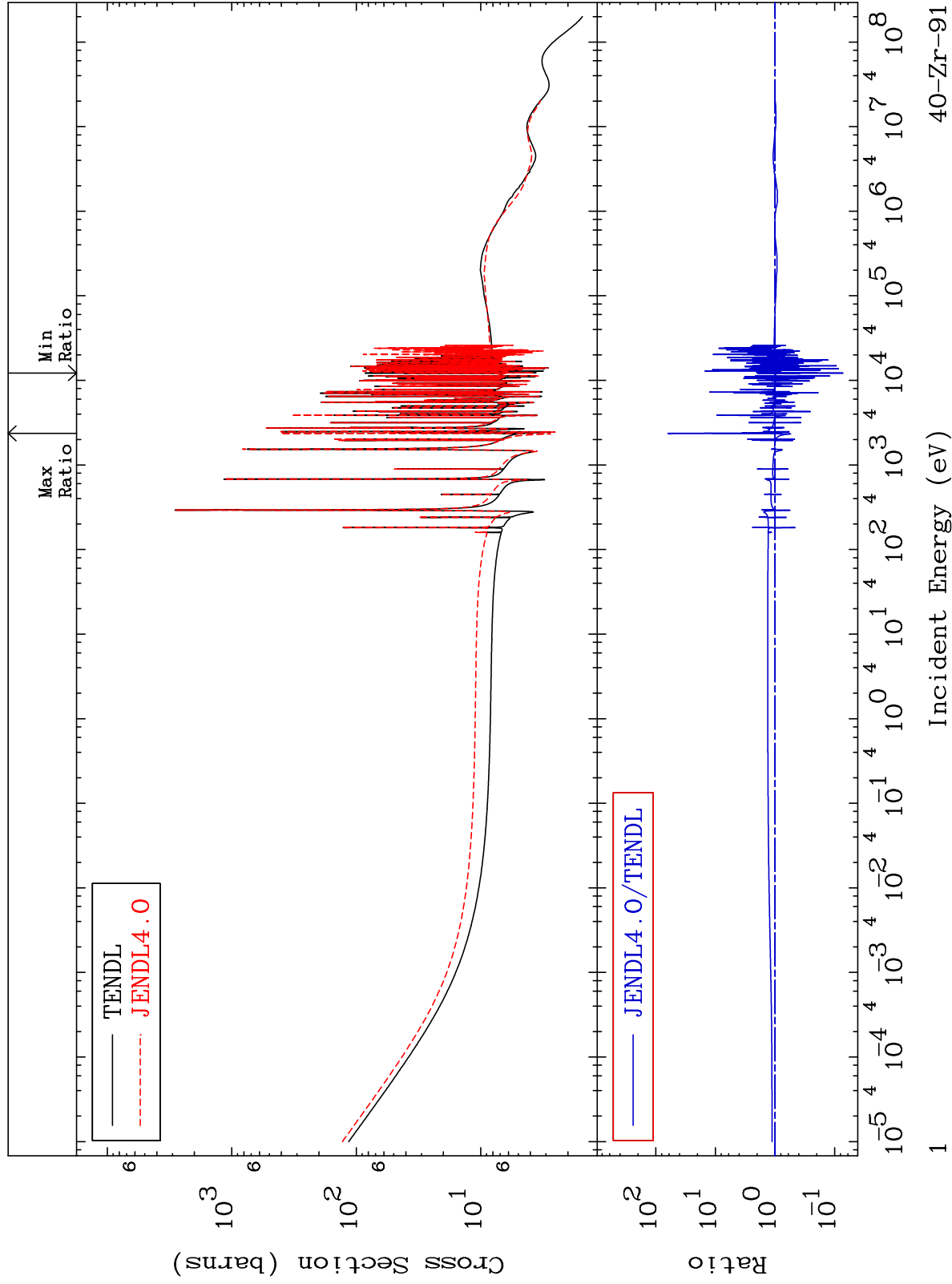
MAT 4028

Total

40-Zr-91

Cross Section

-92.72 To 6154. %

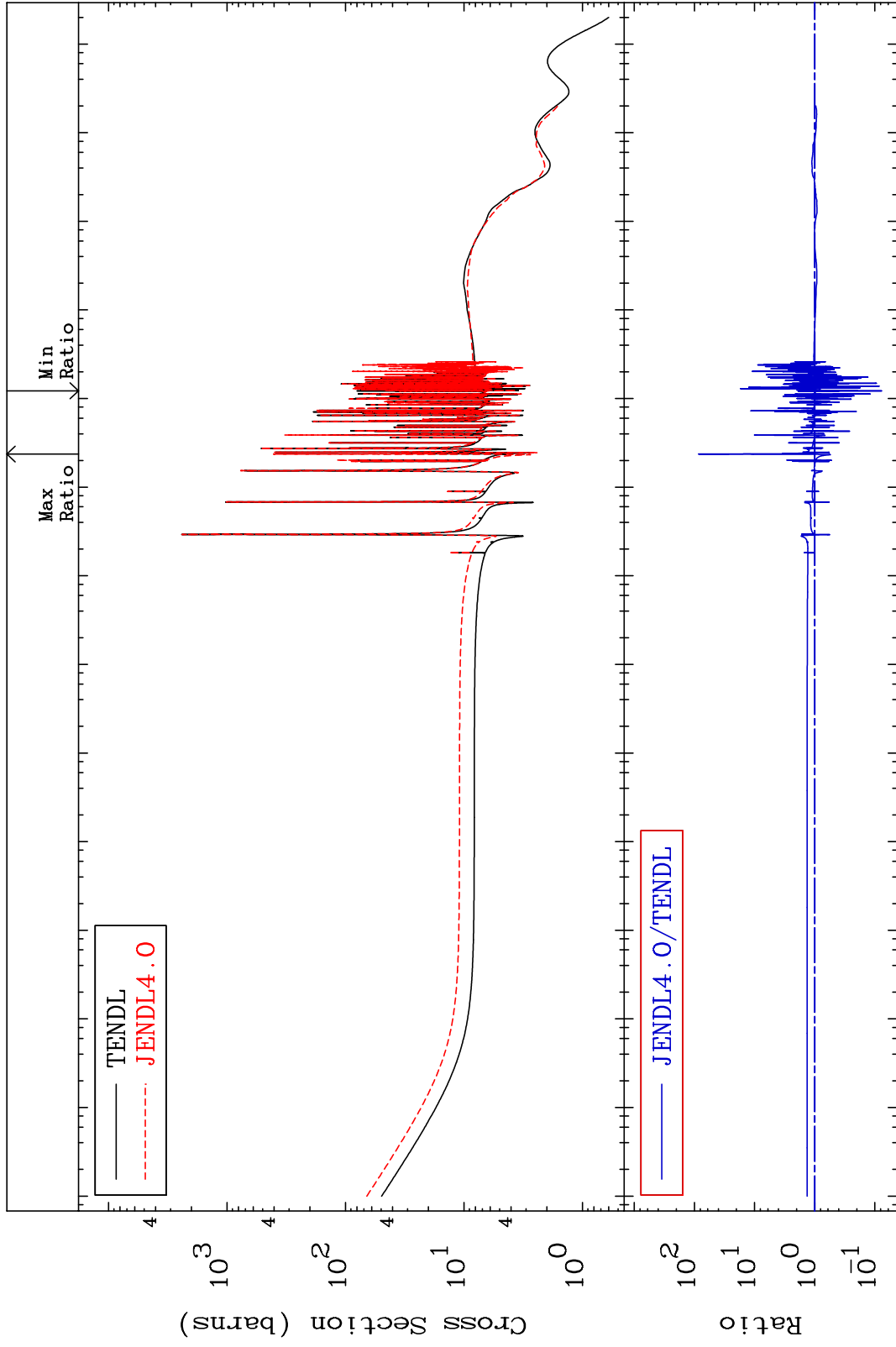


40-Zr-91

MAT 4028

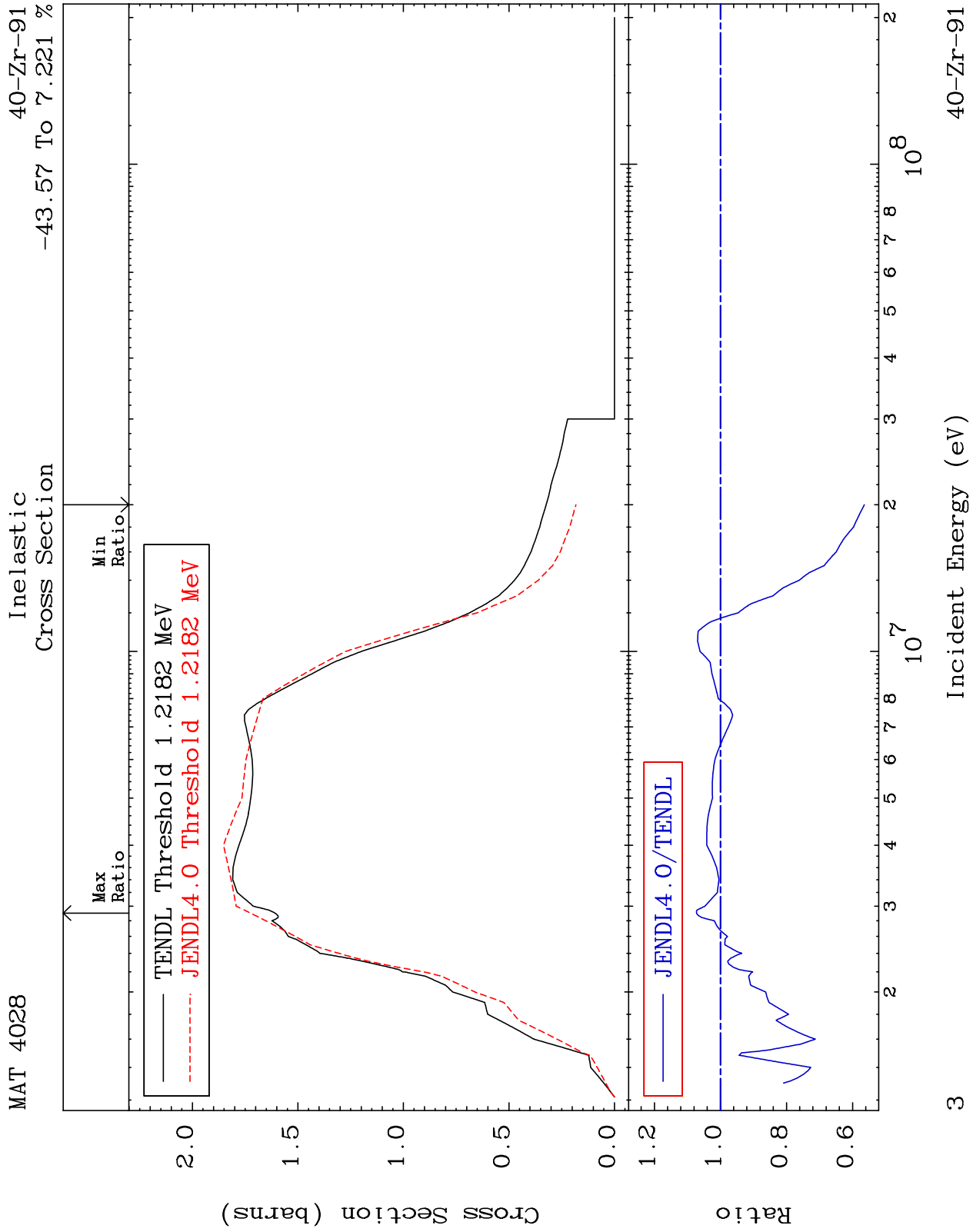
Elastic
Cross Section

40-Zr-91
-92.25 To 8497. %



Incident Energy (eV)

40-Zr-91



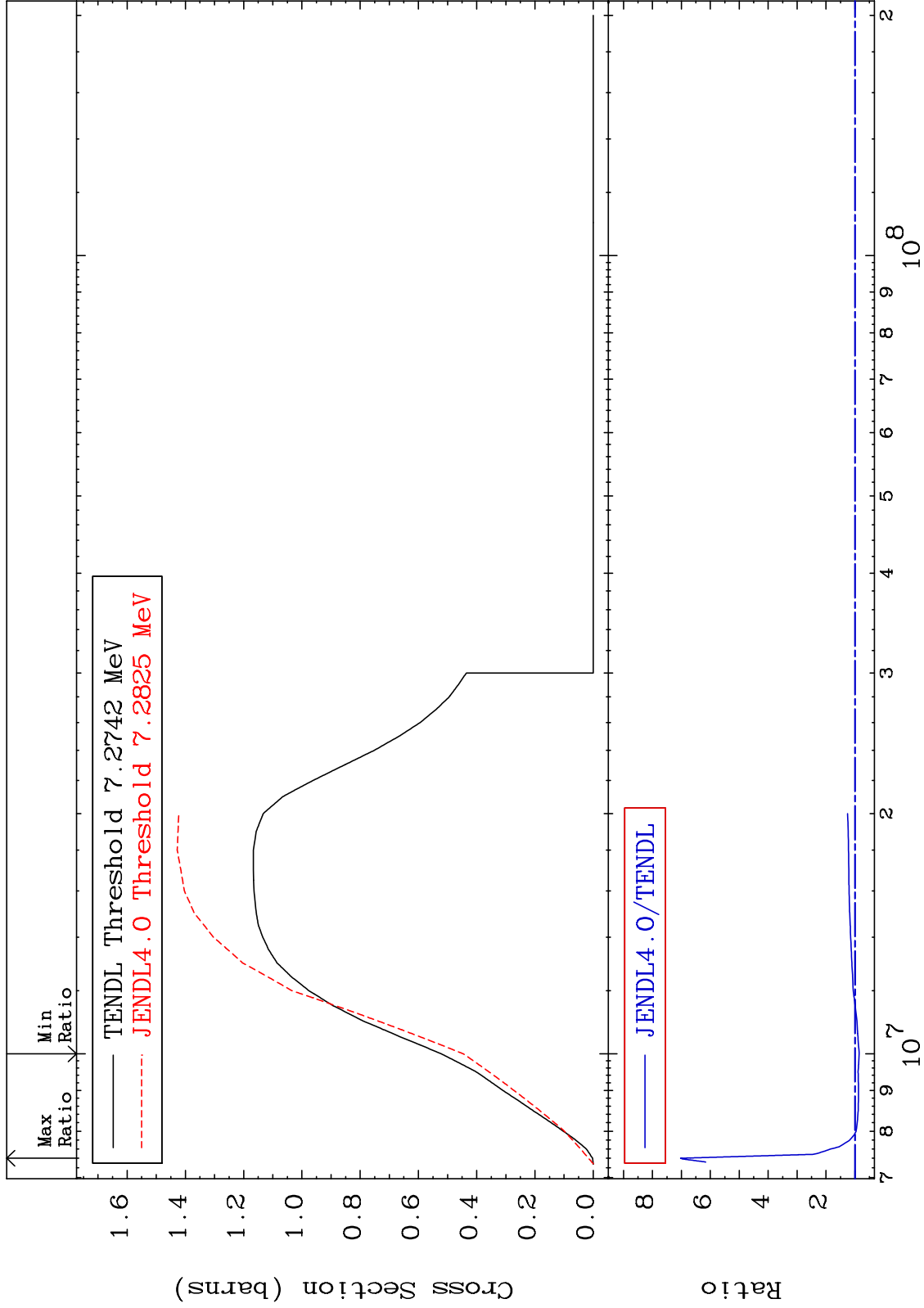
MAT 4028

(n,2n)

40-Zr-91

Cross Section

-14.53 To 602.6 %



40-Zr-91

Incident Energy (eV)

4

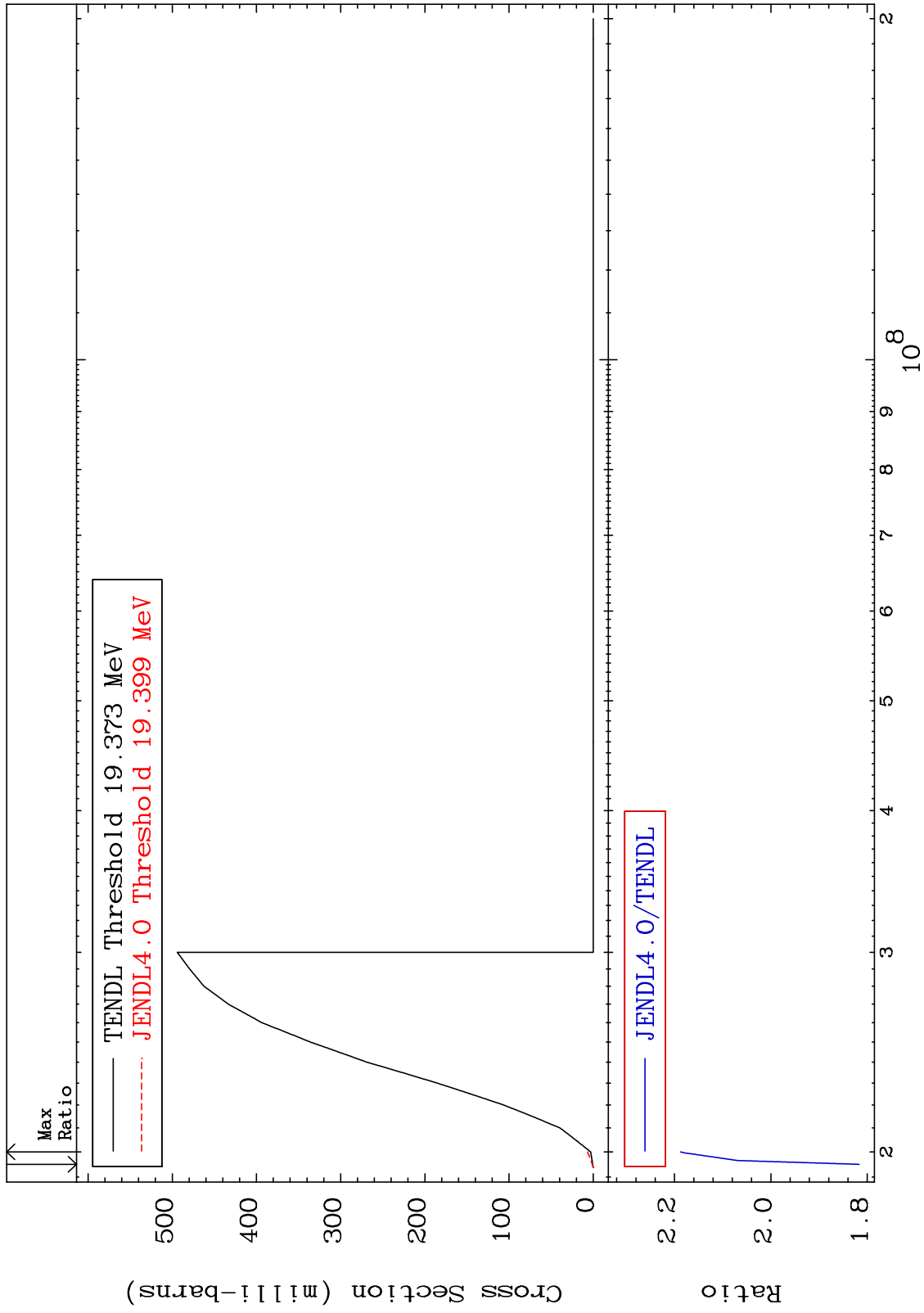
MAT 4028

(n,3n)

40-Zr-91

Cross Section

81.67 To 118.7 %



5

Incident Energy (eV)

40-Zr-91

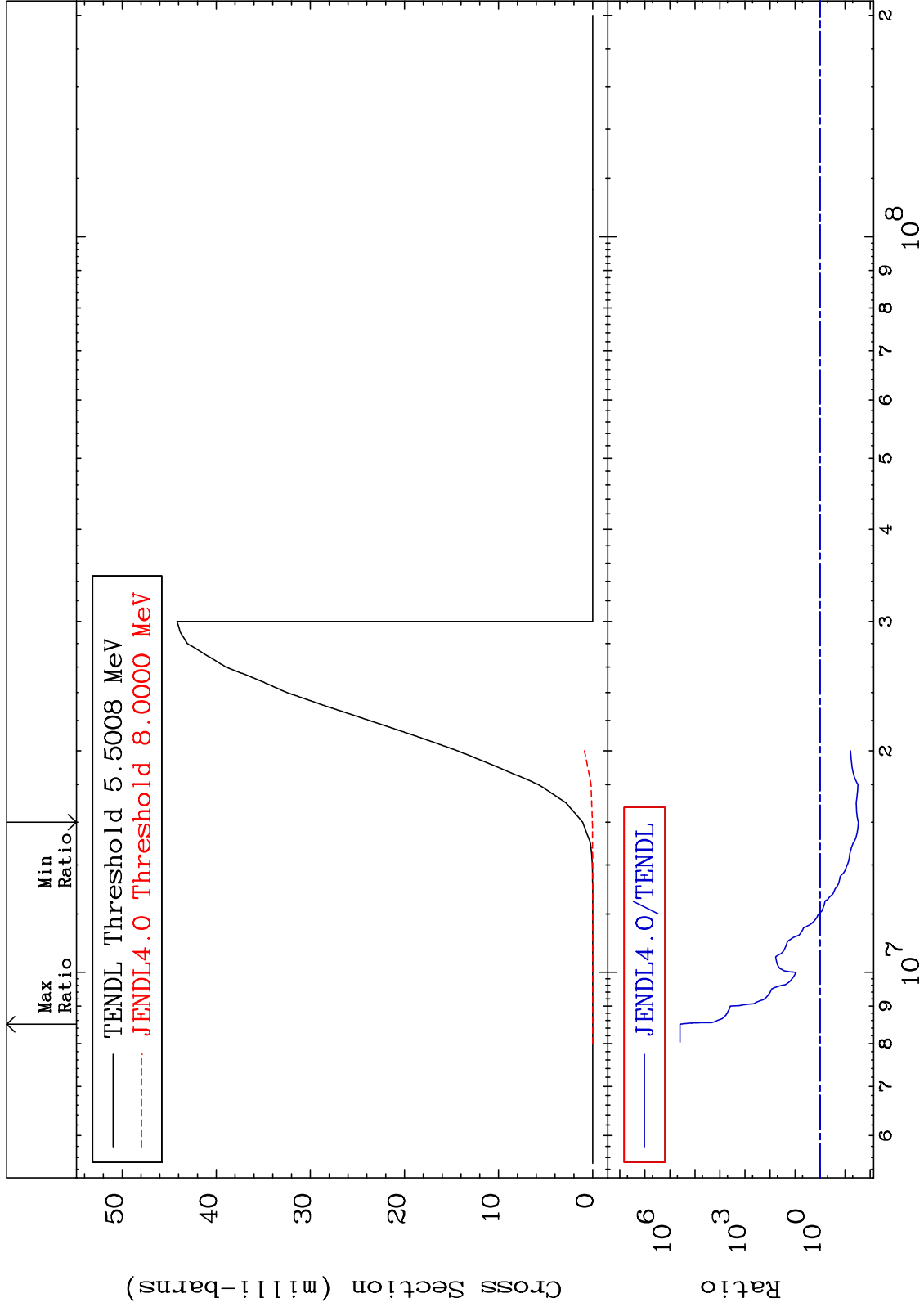
MAT 4028

(n,n') α

40-Zr-91

Cross Section

-97.06 To 9999. %



6

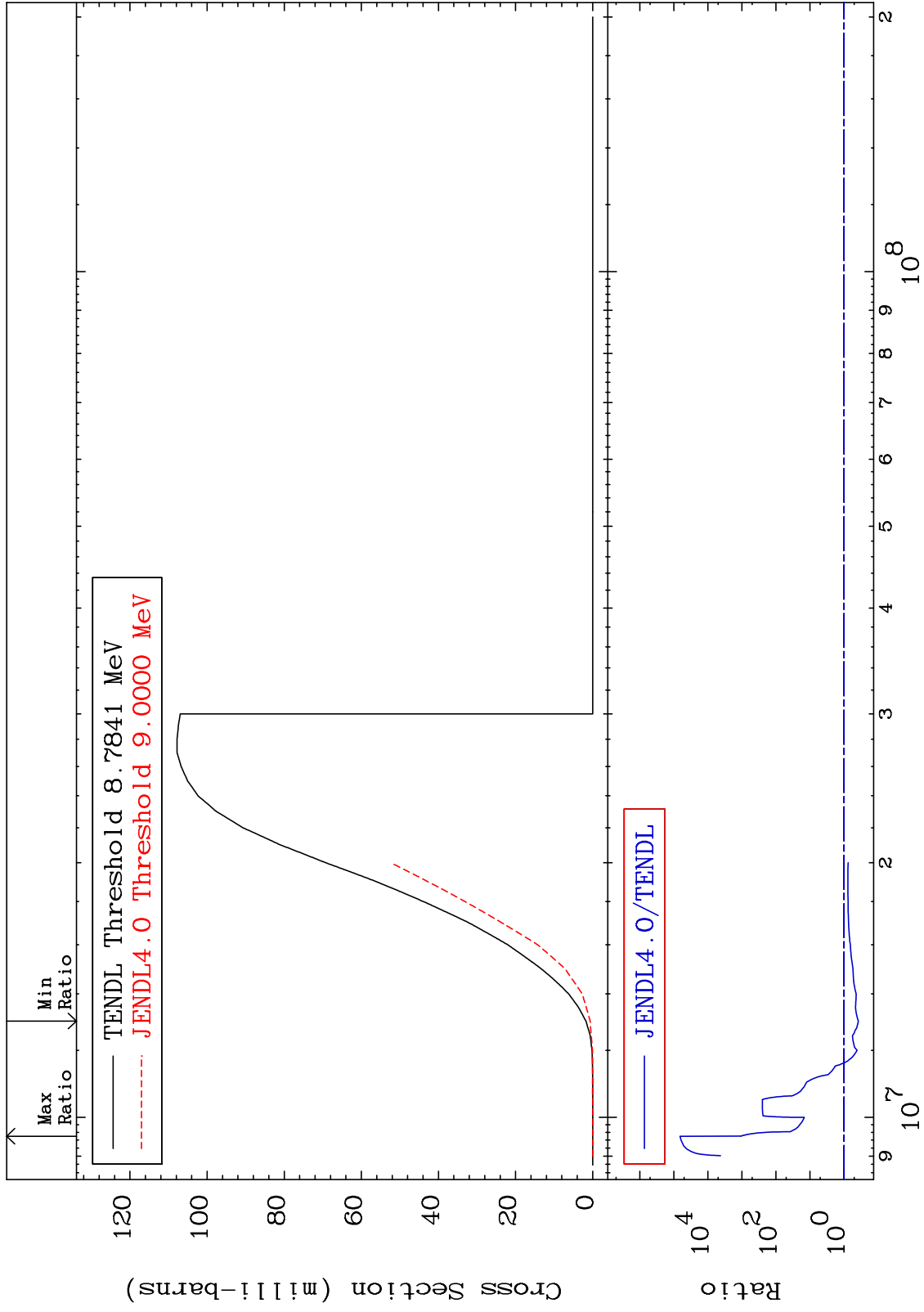
Incident Energy (eV)

40-Zr-91

MAT 4028

(n,n') p
Cross Section

40-Zr-91
-62.59 To 9999. %



7

Incident Energy (eV)

40-Zr-91

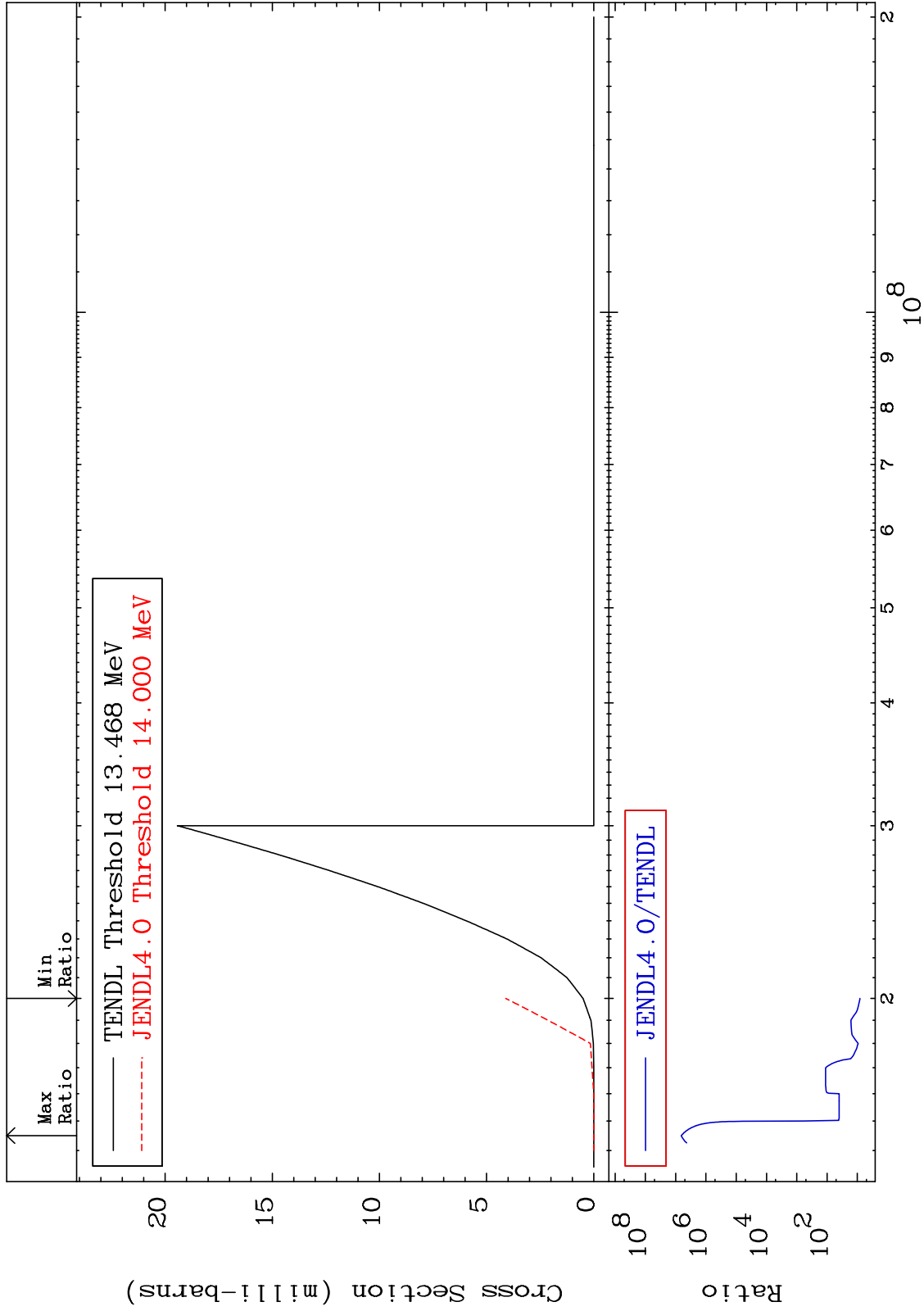
MAT 4028

(n,n') d

40-Zr-91

Cross Section

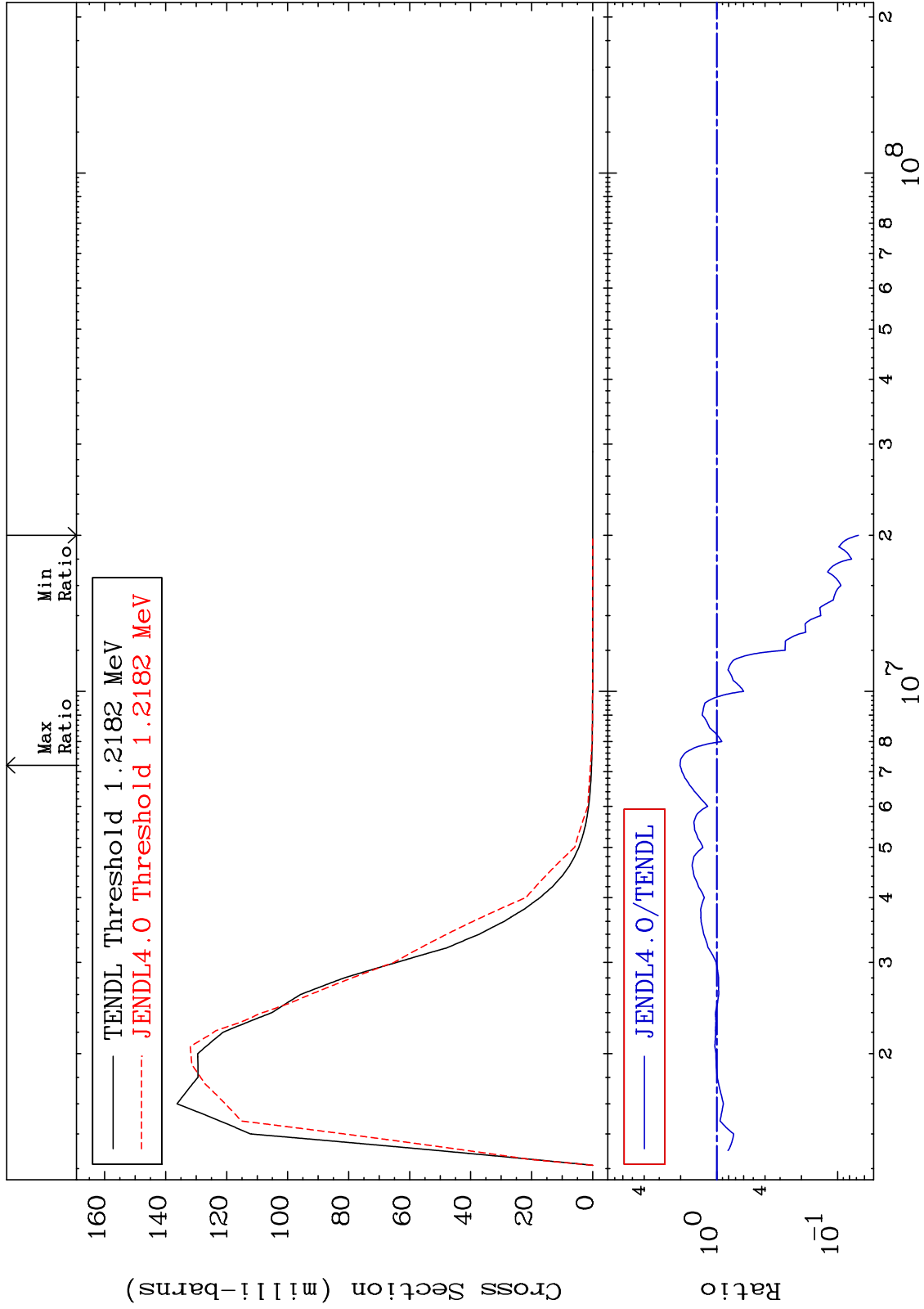
720.8 To 9999. %



MAT 4028

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

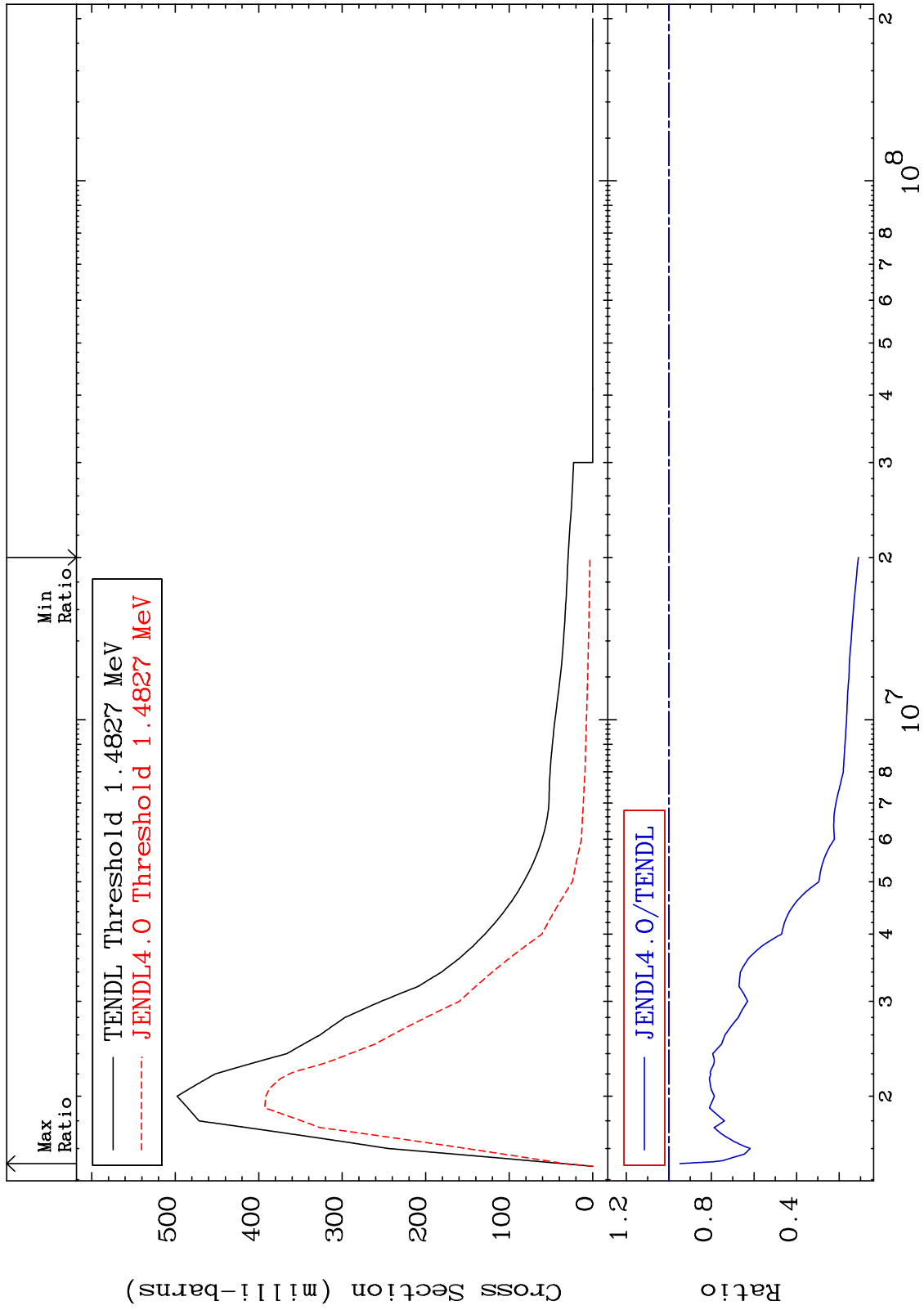
40-Zr-91
-93.26 To 102.0 %



MAT 4028

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

40-Zr-91
-89.05 To -5.240%



10

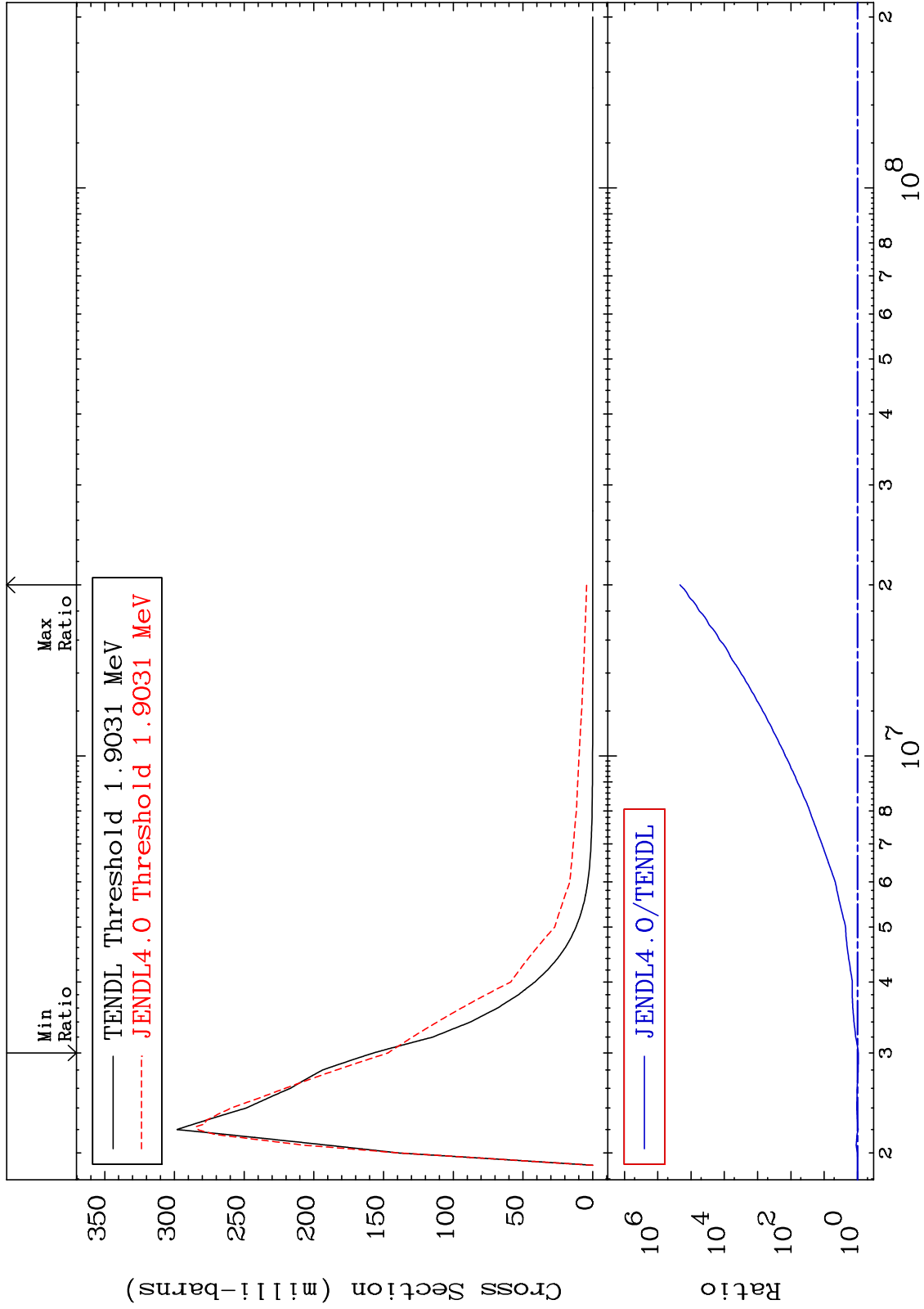
Incident Energy (eV)

40-Zr-91

MAT 4028

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

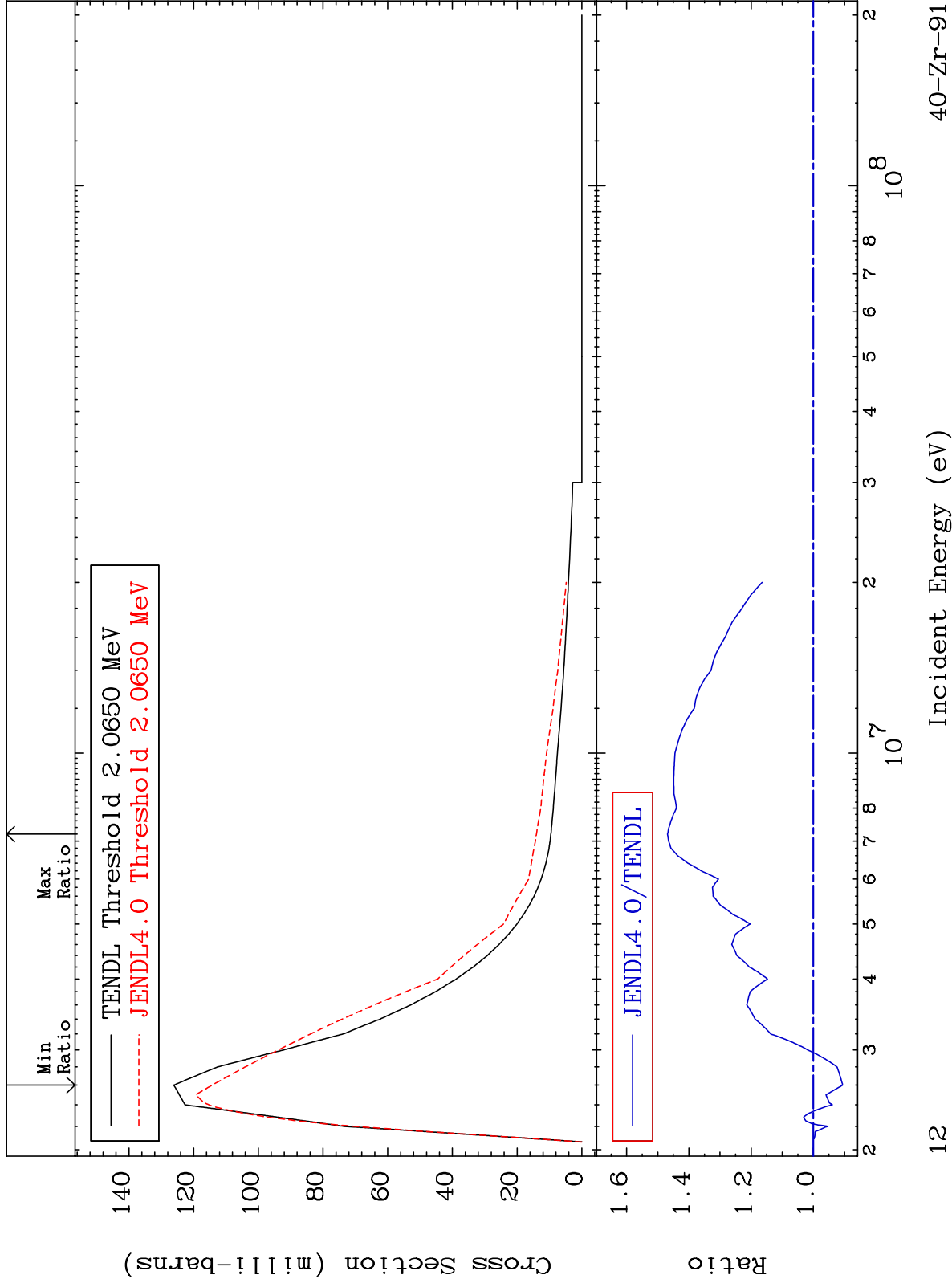
40-Zr-91
-6.616 To 9999. %



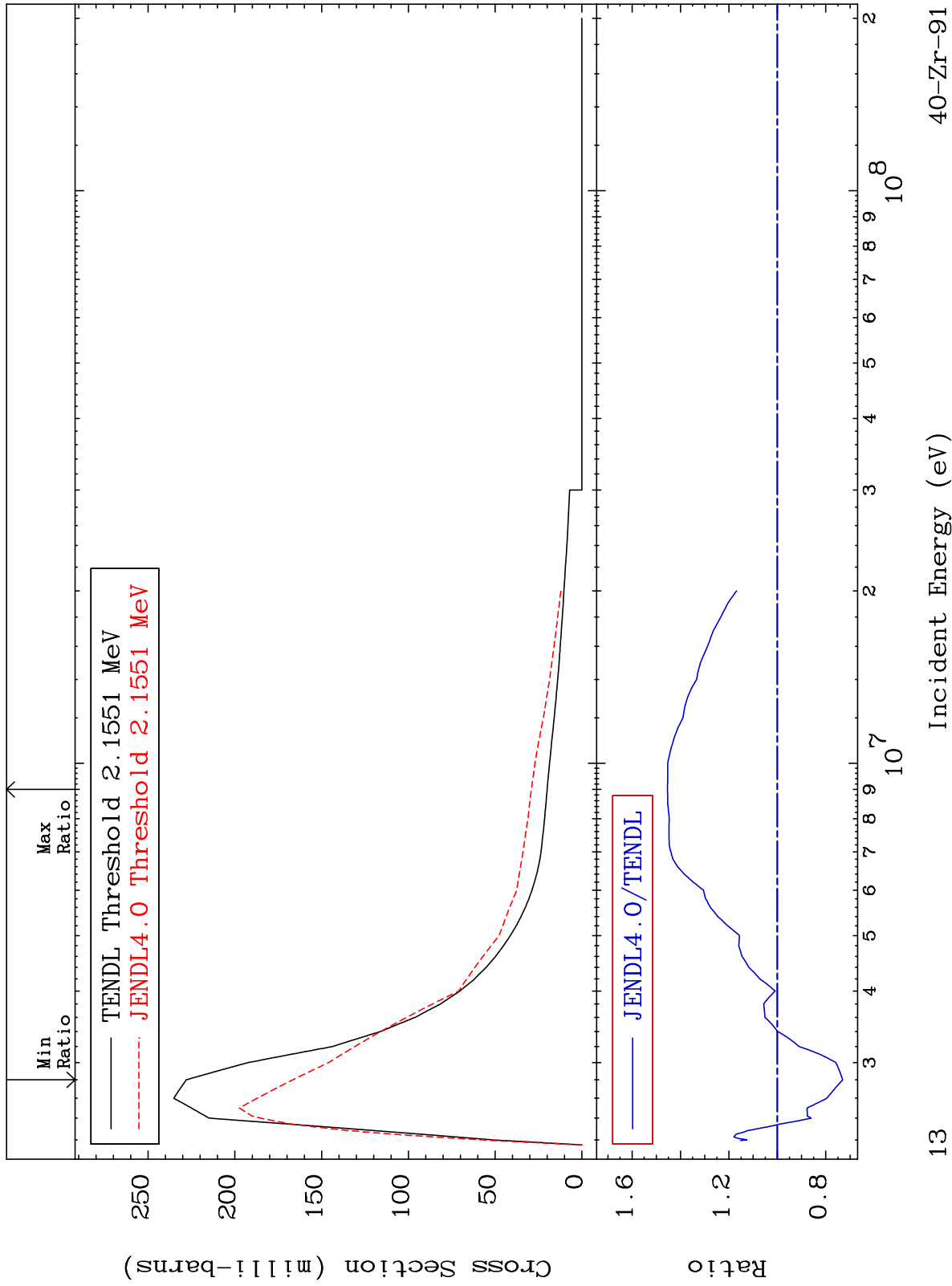
MAT 4028

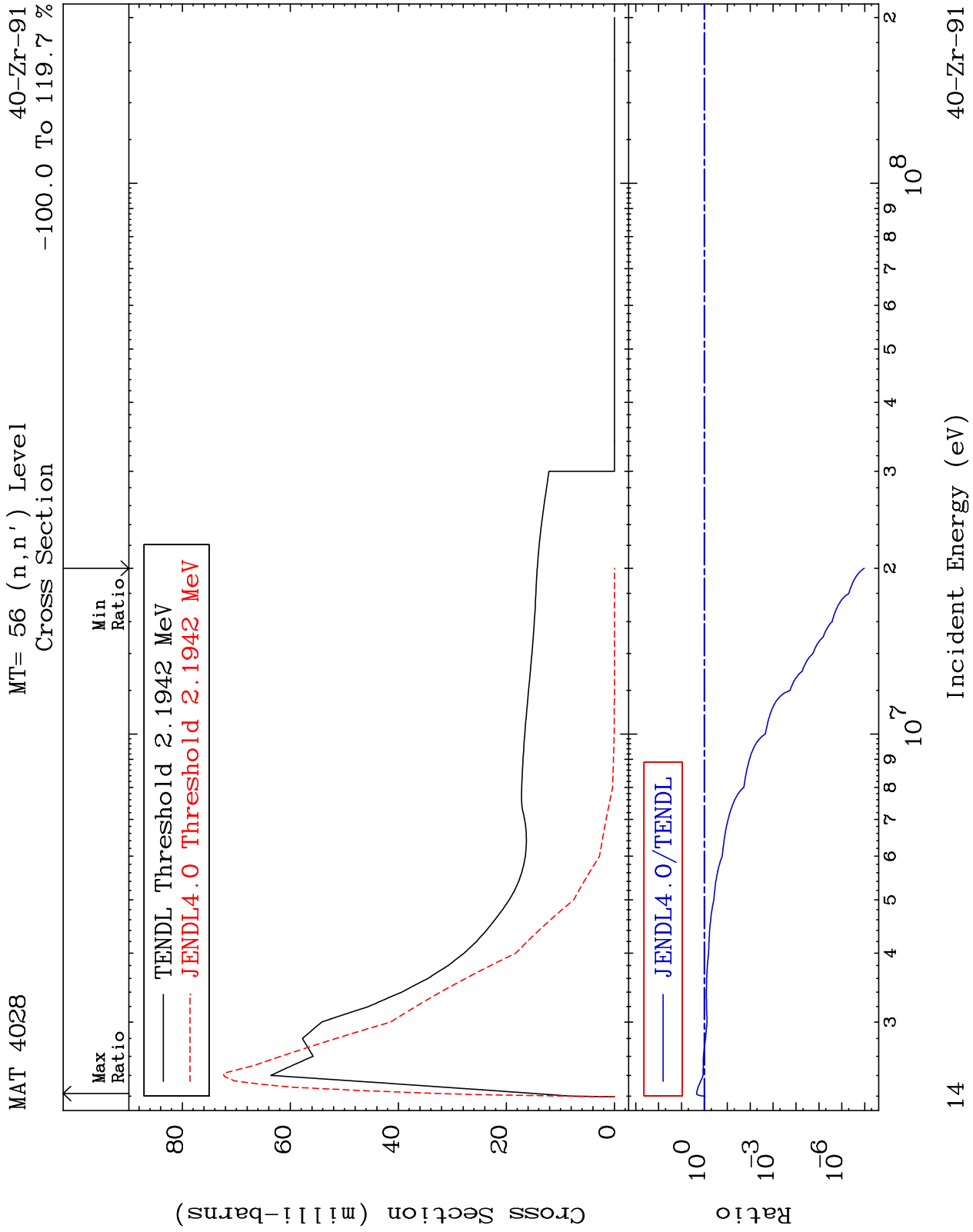
MT= 54 (n,n') Level
Cross Section

40-Zr-91
-9.412 To 46.87 %



MAT 4028 MT= 55 (n,n') Level
 Cross Section 40-Zr-91
 -26.96 To 45.35 %

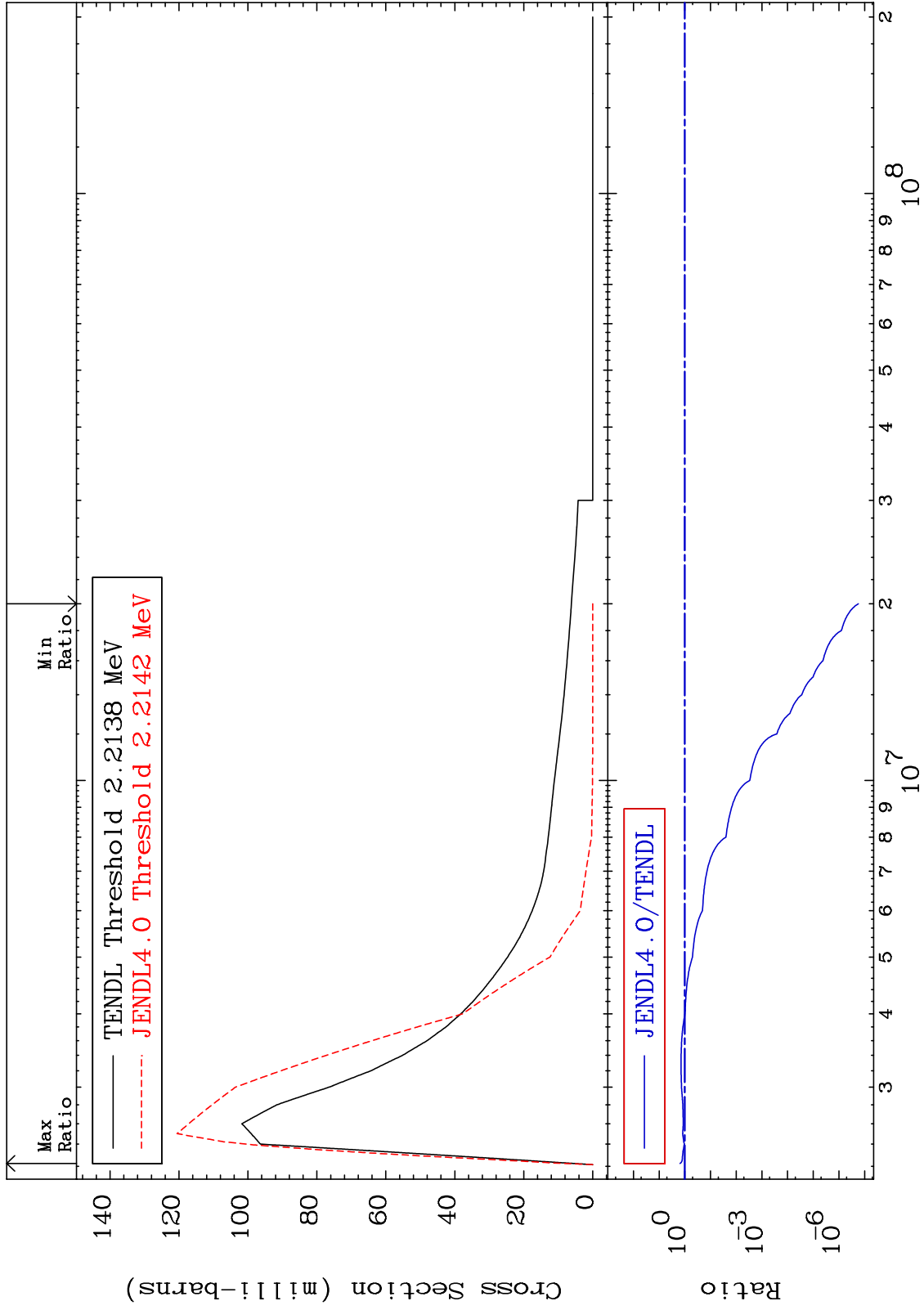




MAT 4028

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

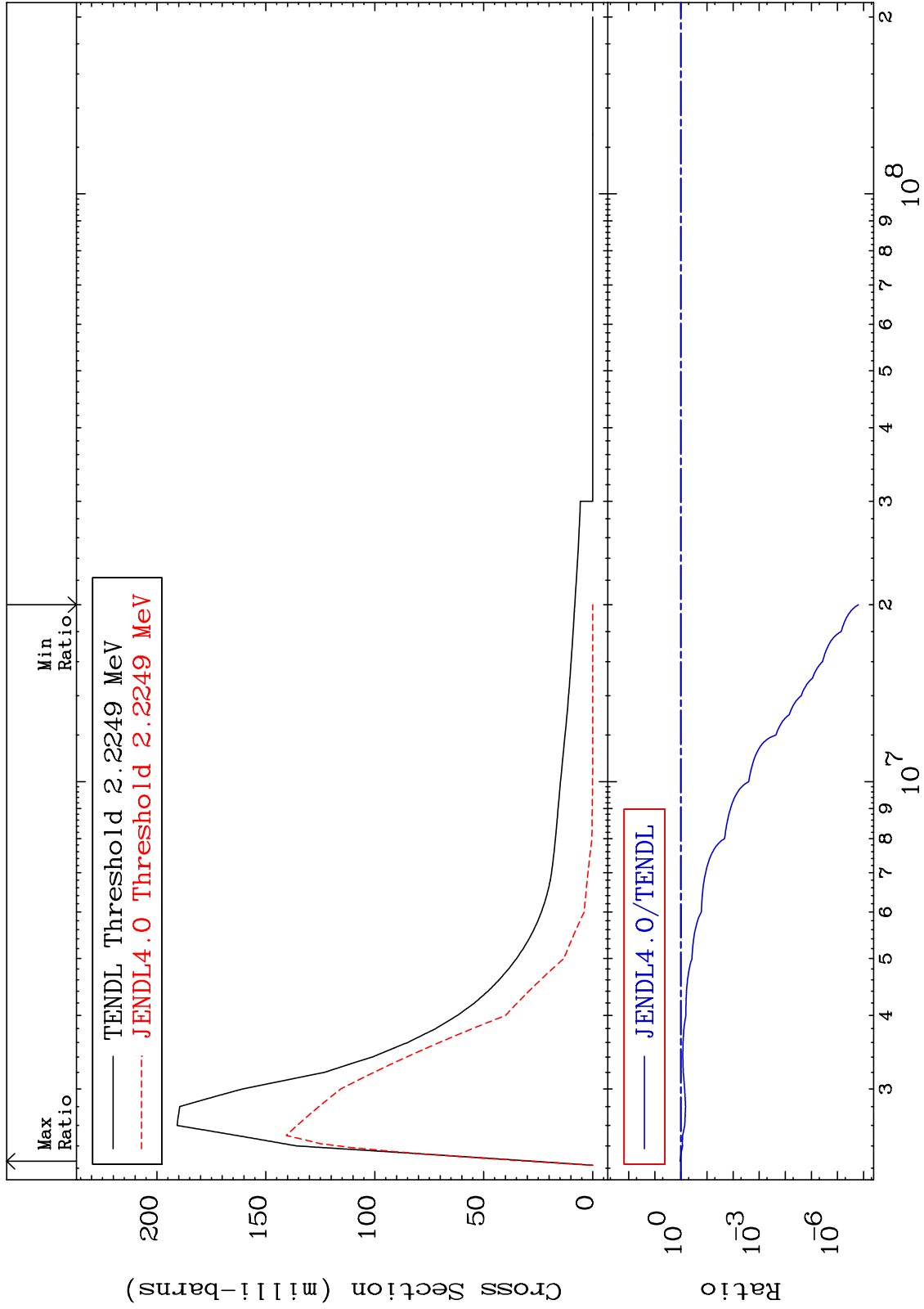
40-Zr-91
-100.0 To 54.22 %



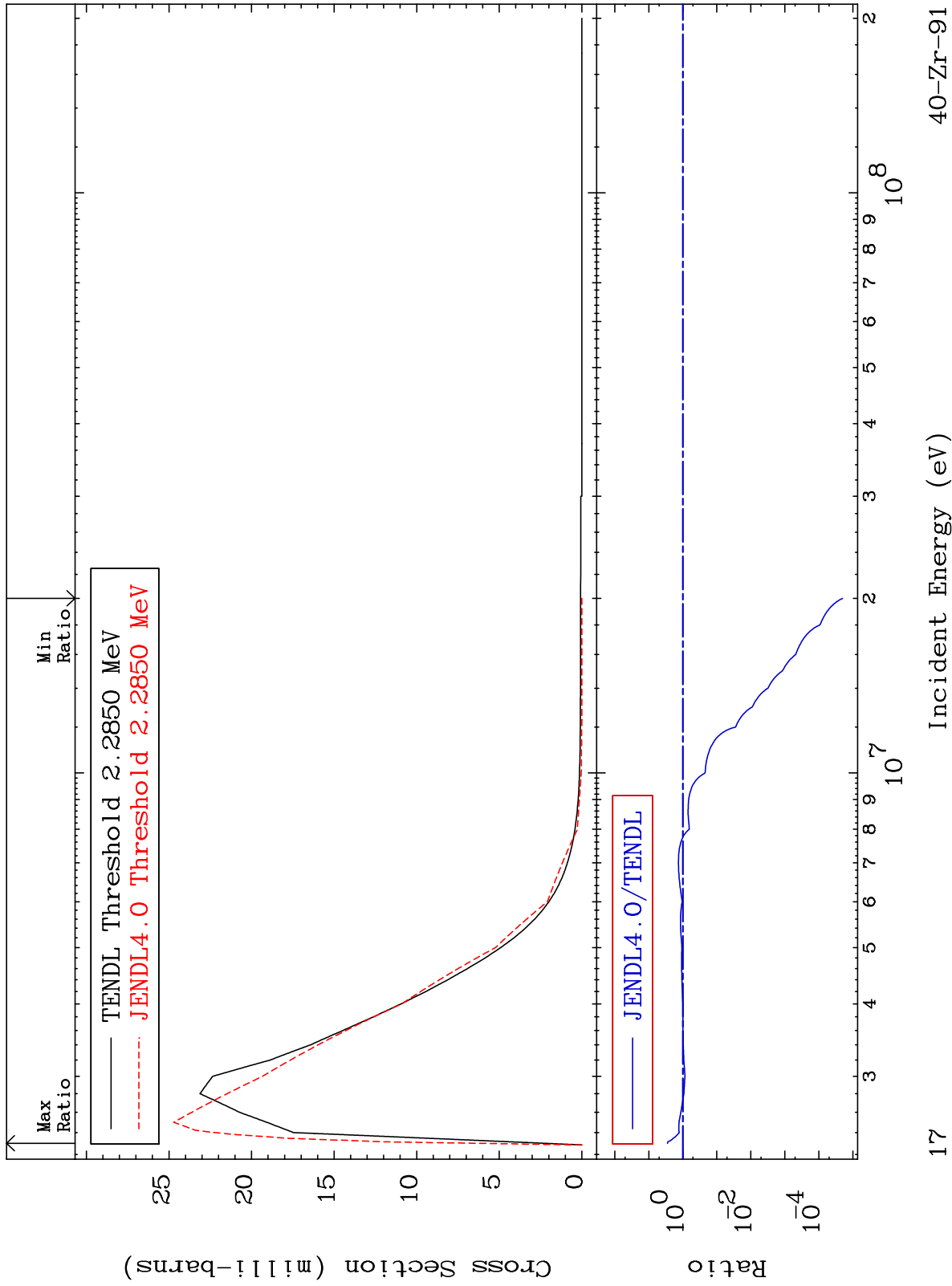
MAT 4028

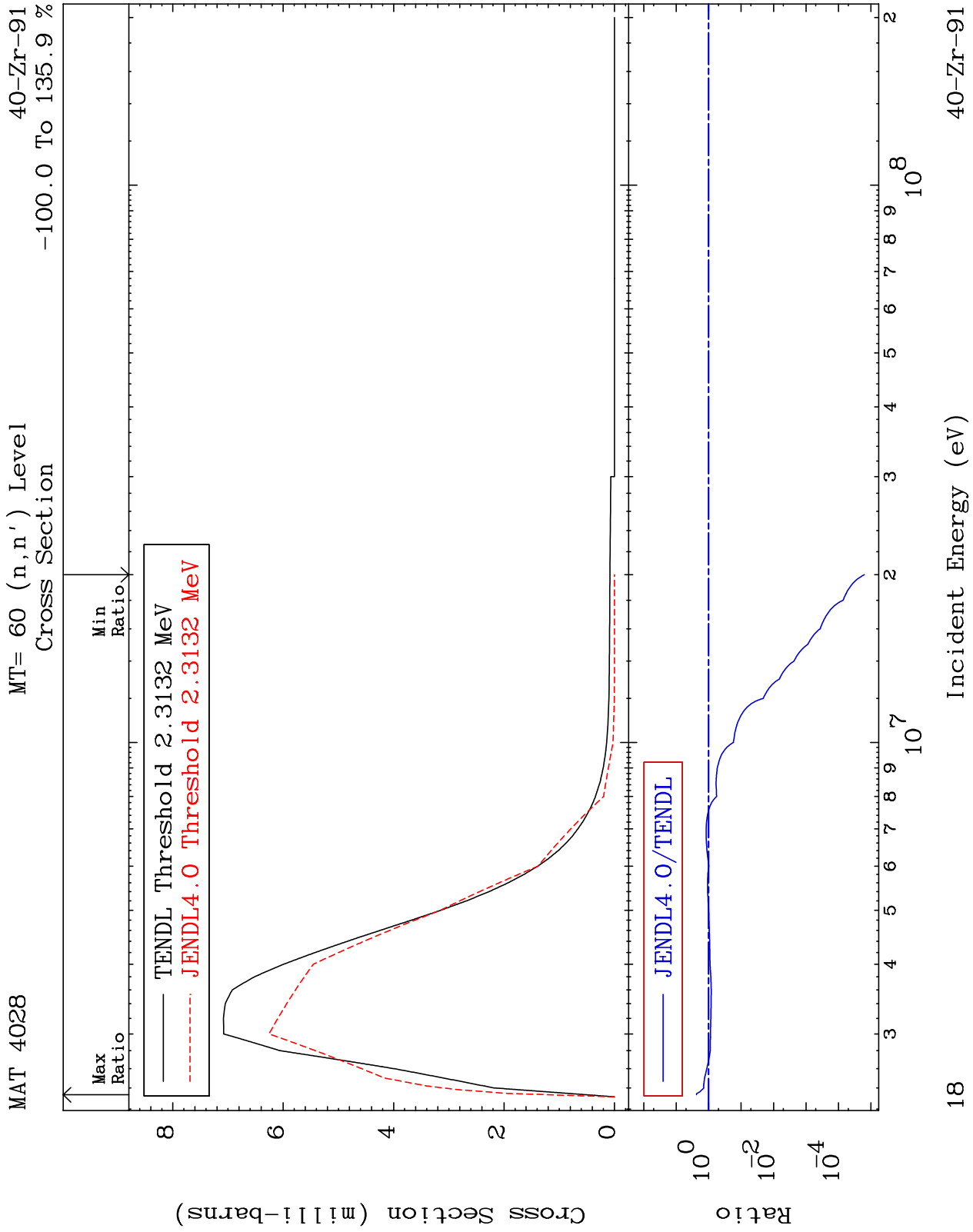
MT= 58 (n,n') Level
Cross Section

40-Zr-91
-100.0 To 7.978 %



MAT 4028 MT= 59 (n,n') Level Cross Section 40-Zr-91
 -100.0 To 180.7 %

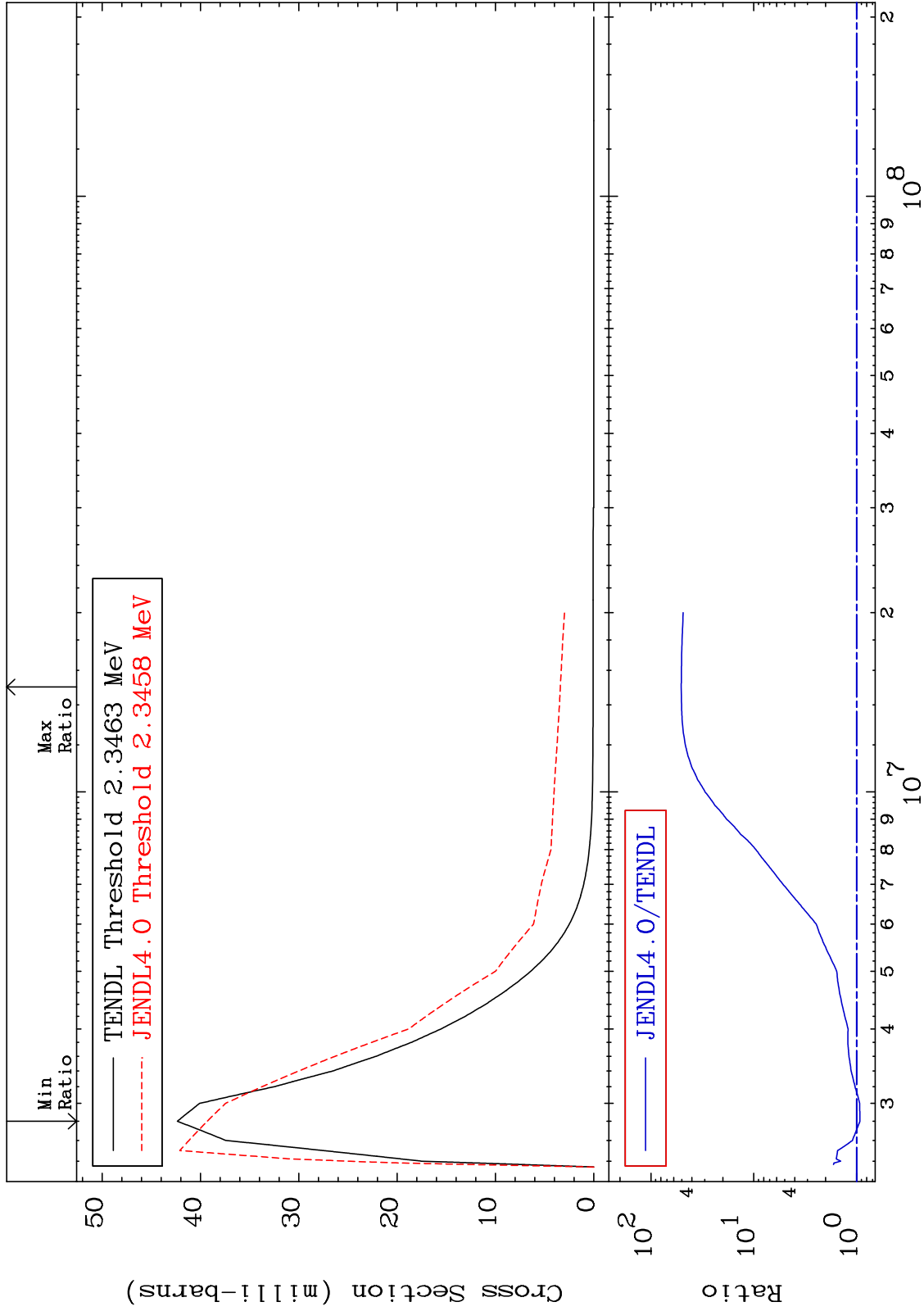




MAT 4028

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

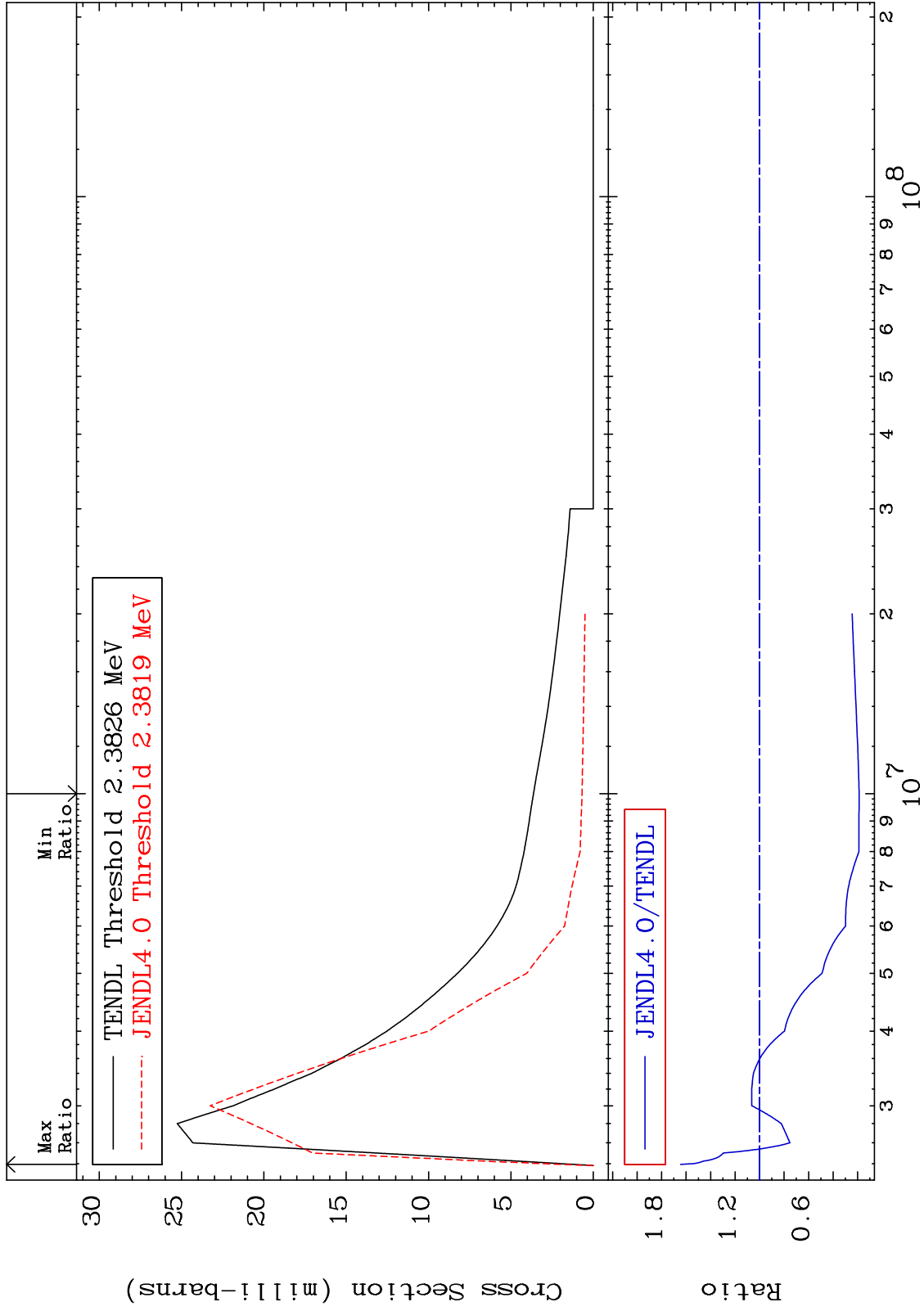
40-Zr-91
-7.178 To 4975. %



MAT 4028

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

40-Zr-91
-81.28 To 64.48 %

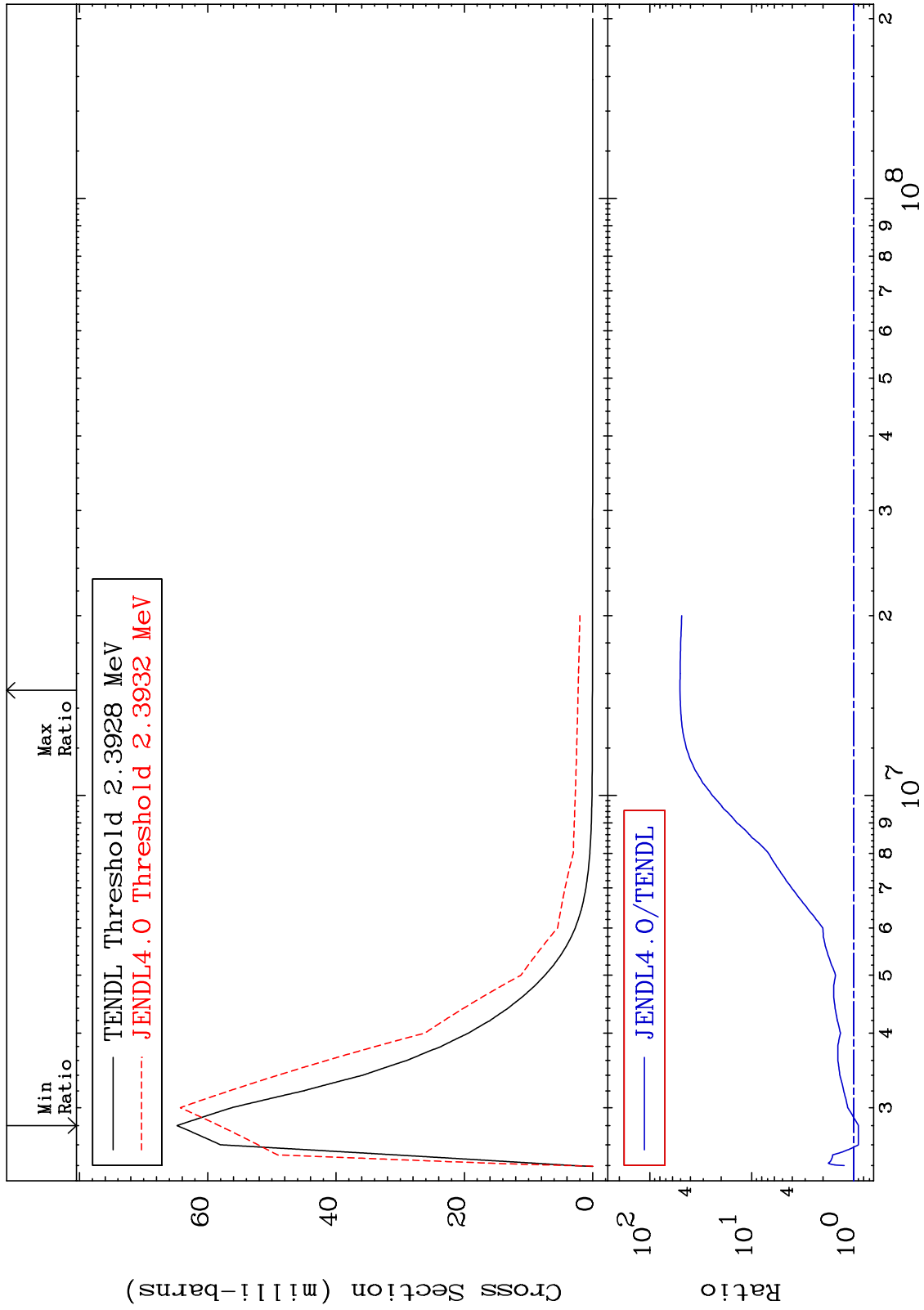


20

Incident Energy (eV)

40-Zr-91

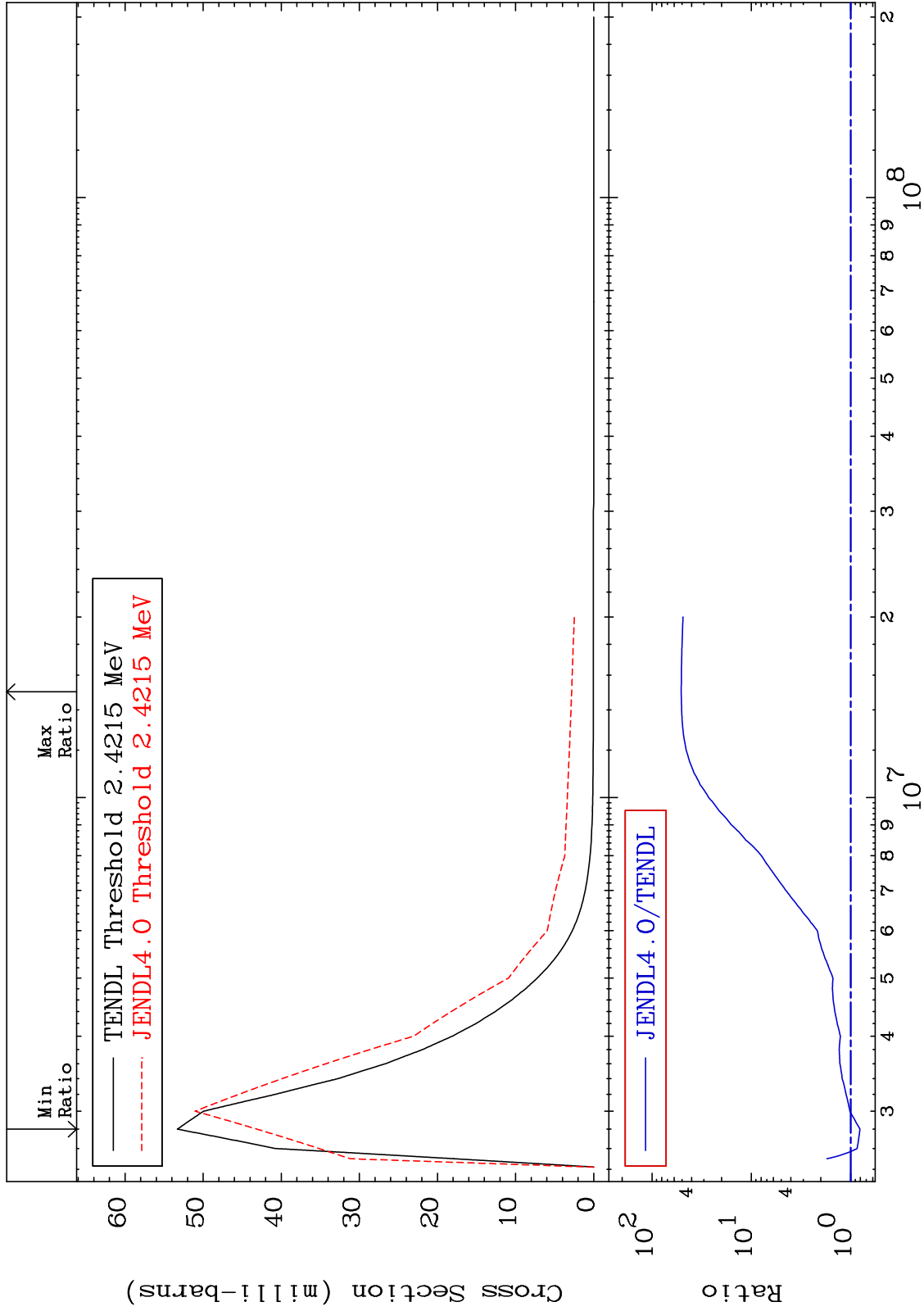
MAT 4028 MT= 63 (n,n') Level Cross Section -10.12 To 4964. % 40-Zr-91



MAT 4028

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

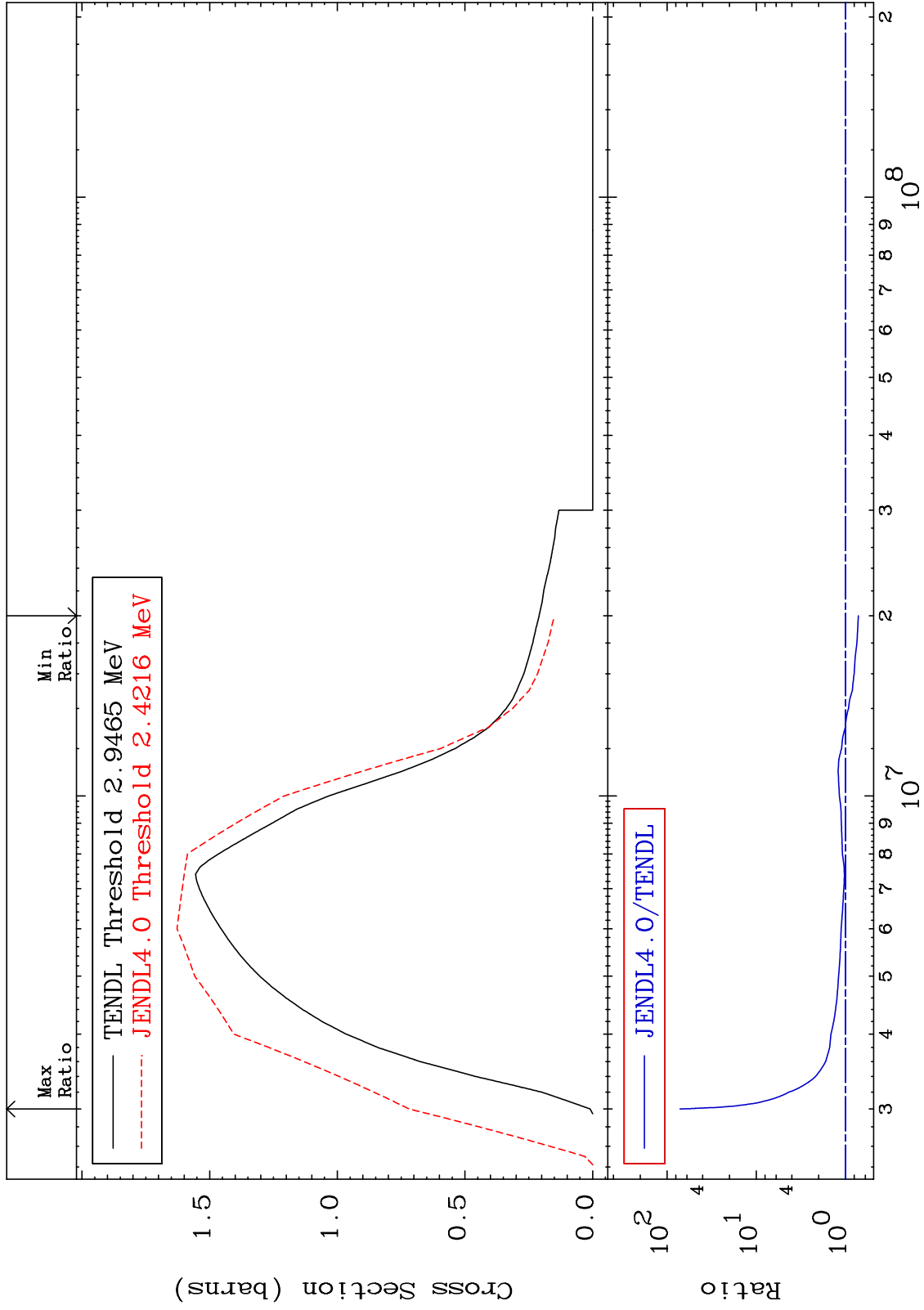
40-Zr-91
-19.14 To 4984. %



MAT 4028

(n, n') Continuum
Cross Section

40-Zr-91
-28.37 To 7059. %



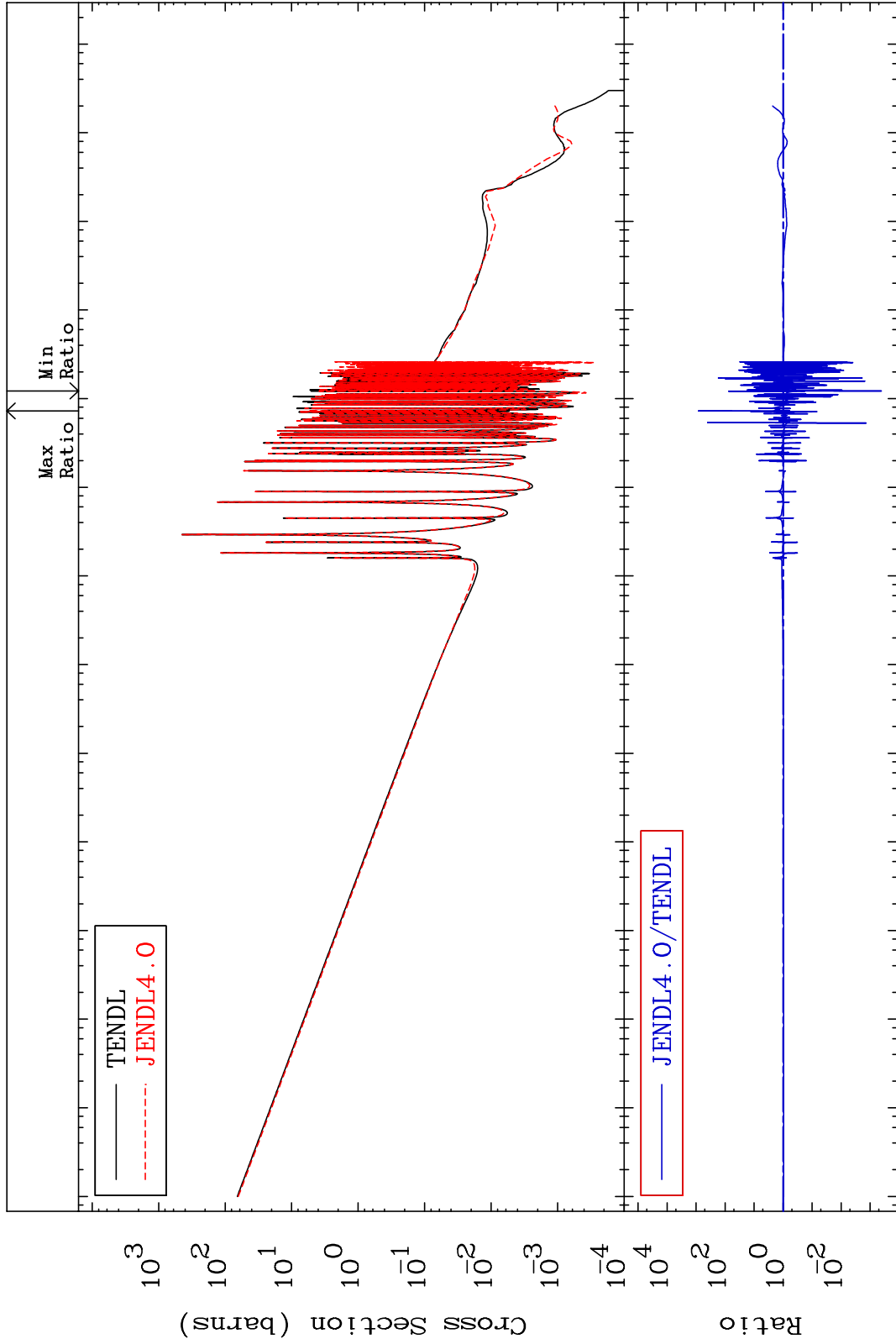
MAT 4028

(n, γ)

40-Zr-91

Cross Section

-99.96 To 9999. %



Incident Energy (eV)

40-Zr-91

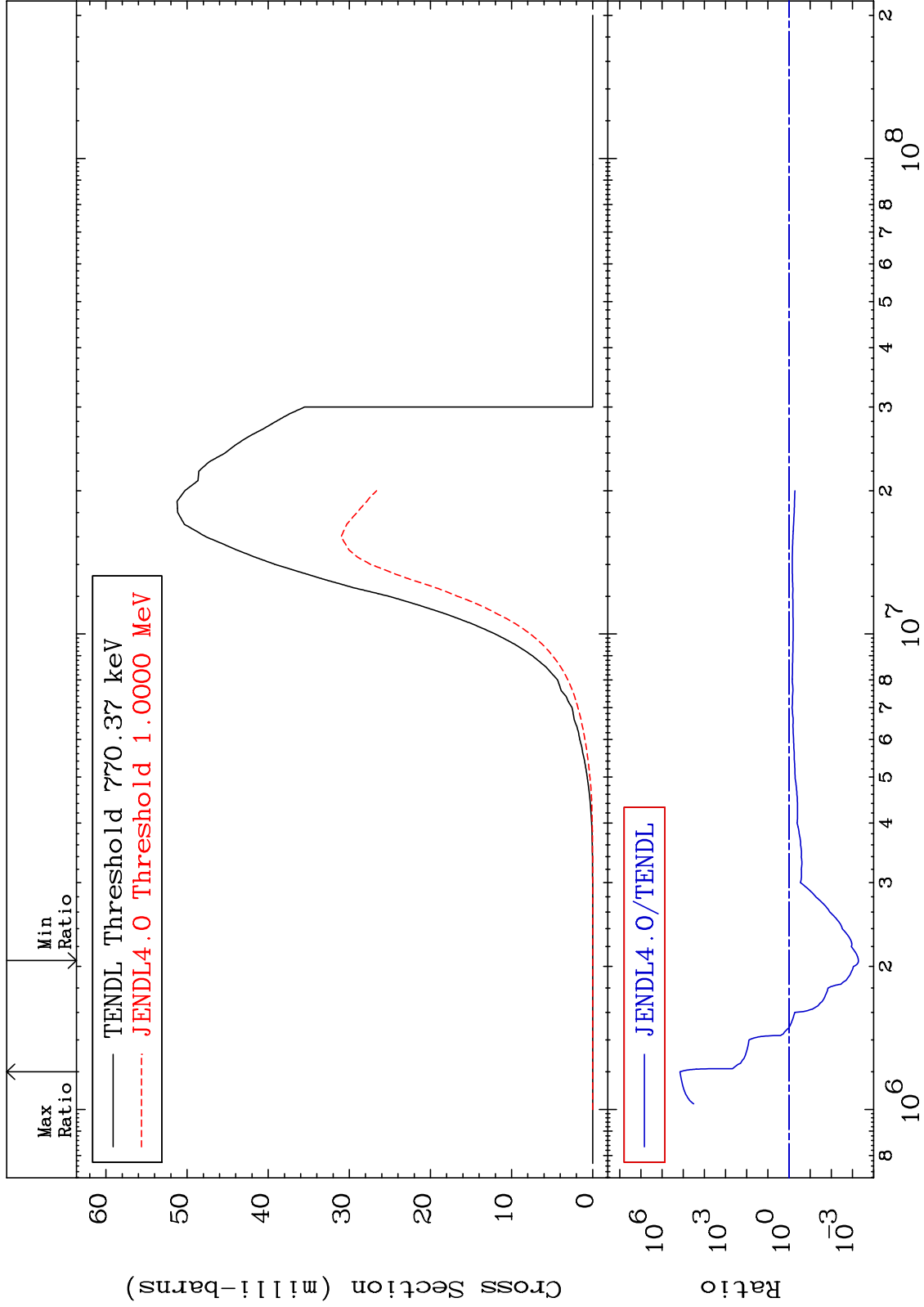
MAT 4028

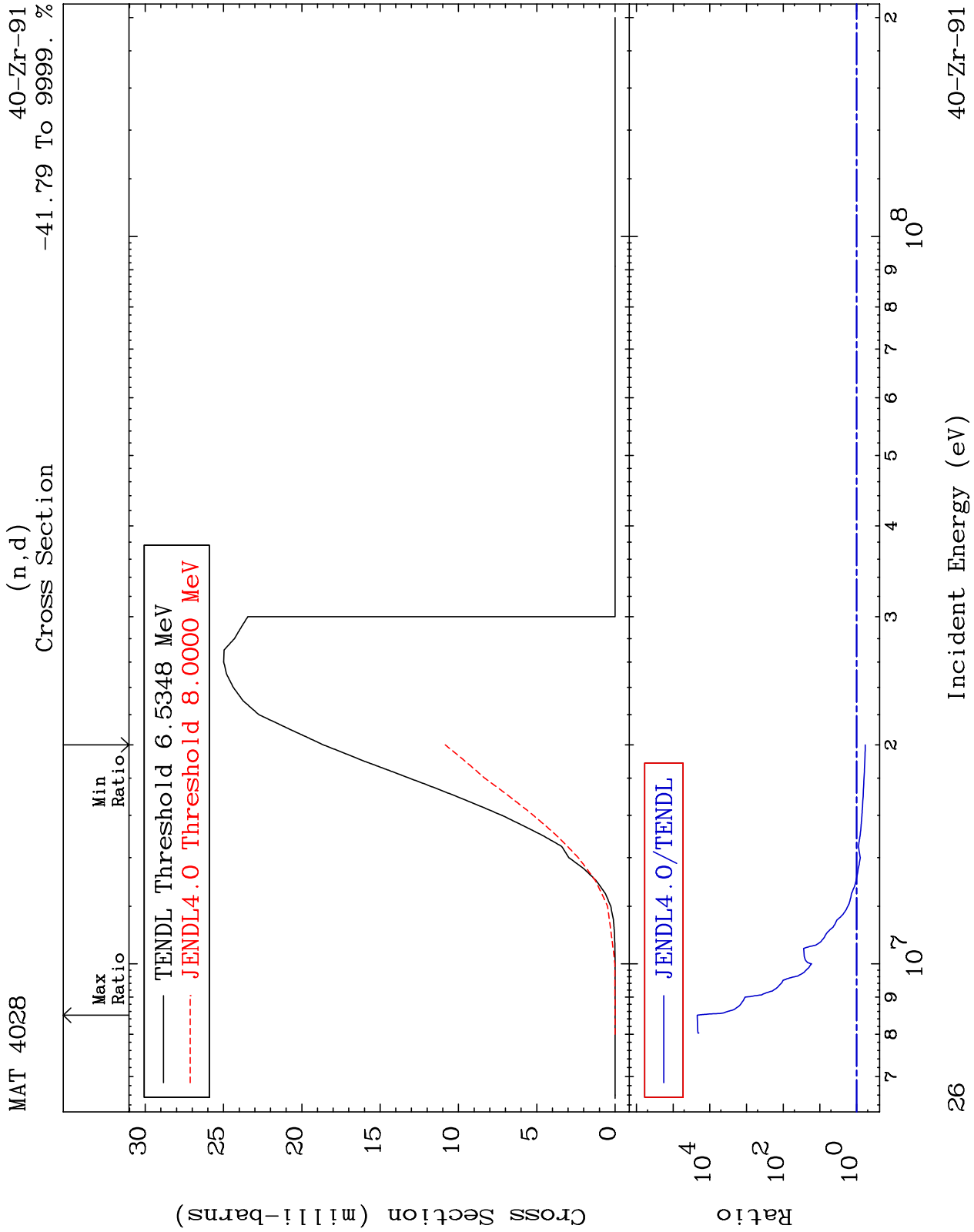
(n,p)

40-Zr-91

Cross Section

-99.95 To 9999. %





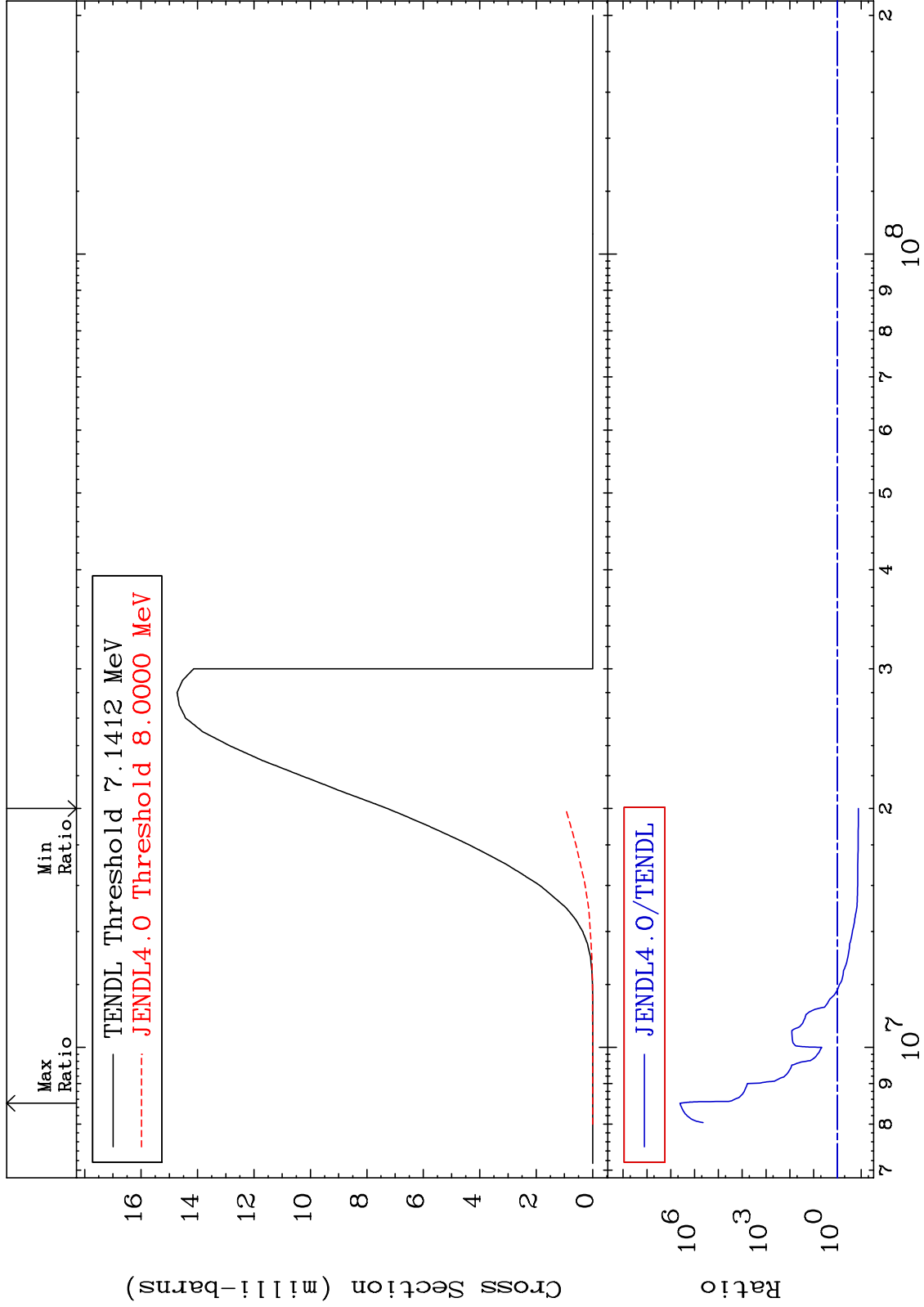
MAT 4028

(n, t)

40-Zr-91

Cross Section

-86.79 To 9999. %



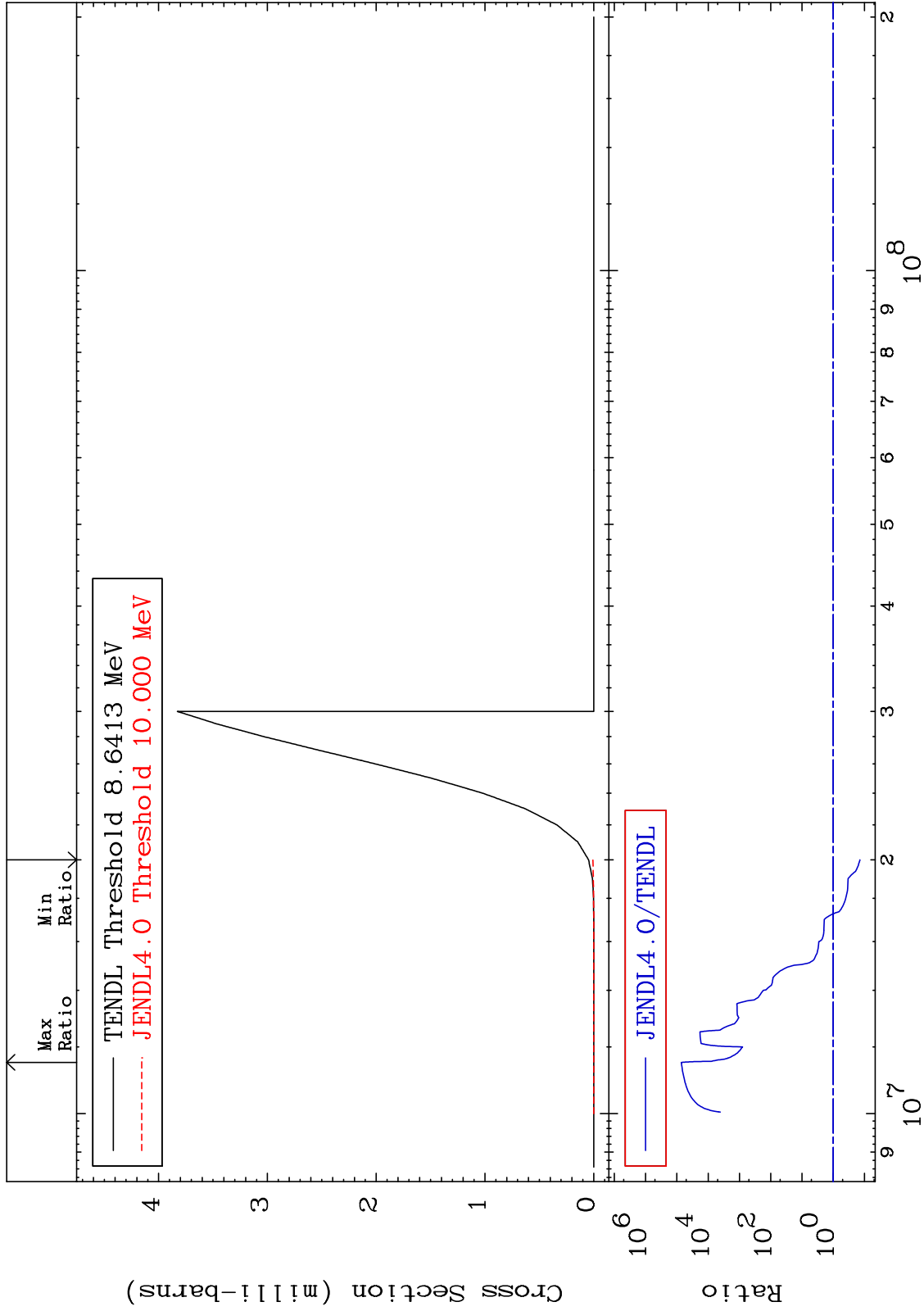
MAT 4028

(n, He-3)

40-Zr-91

Cross Section

-85.93 To 9999. %



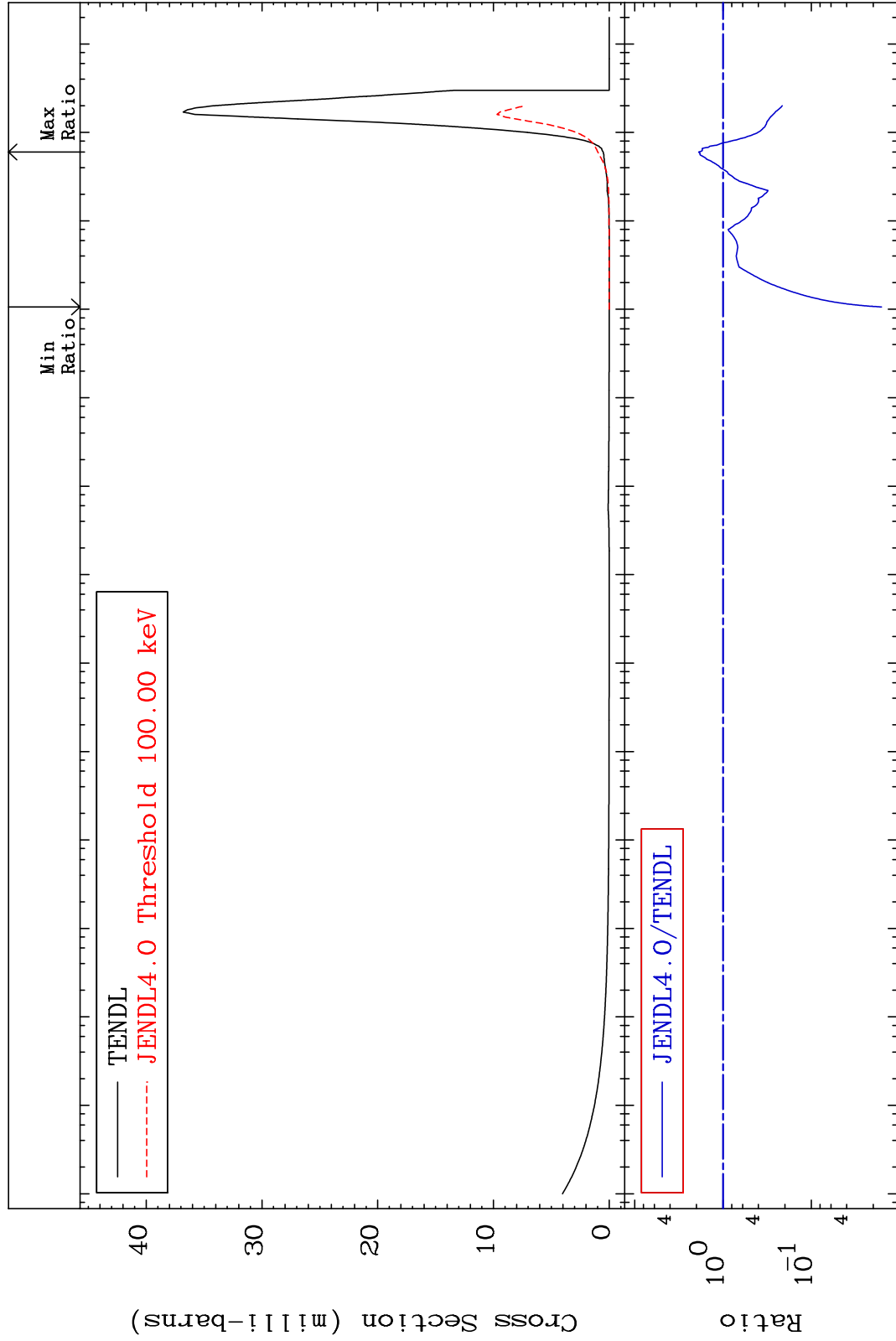
MAT 4028

(n, α)

40-Zr-91

Cross Section

-98.39 To 88.82 %



29

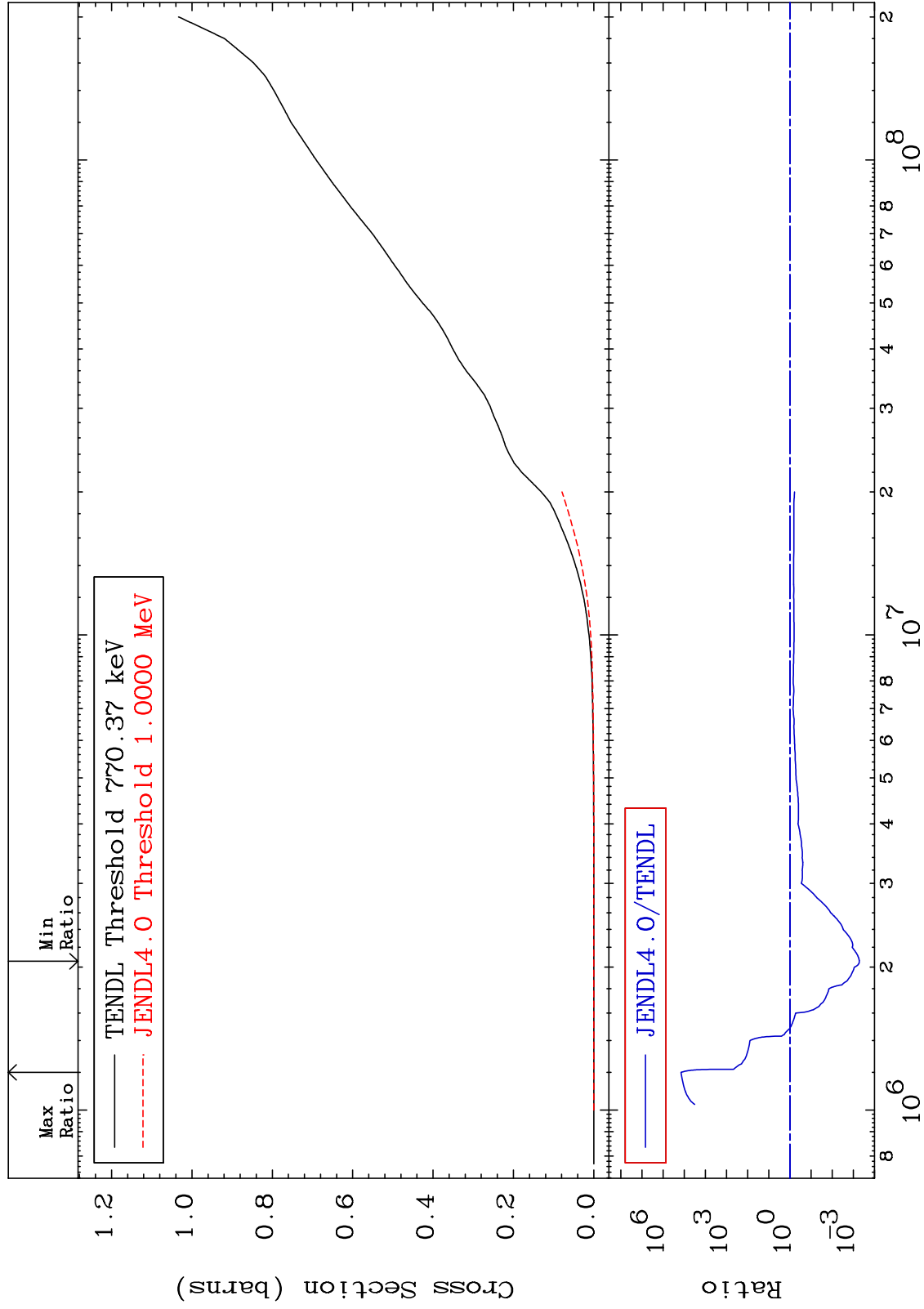
Incident Energy (eV)

40-Zr-91

MAT 4028

Hydrogen Production
Cross Section

40-Zr-91
-99.95 To 9999. %



30

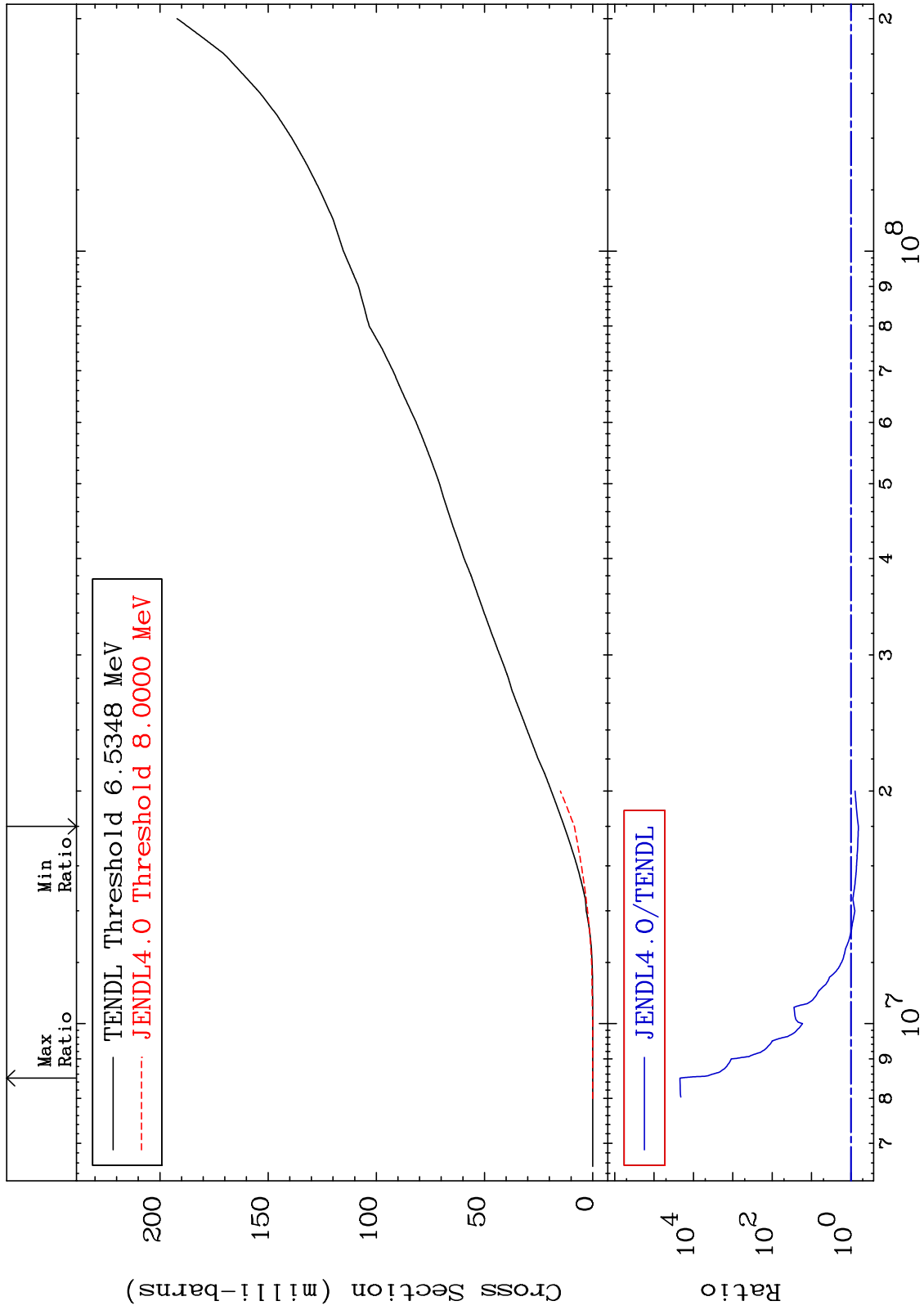
Incident Energy (eV)

40-Zr-91

MAT 4028

Deuterium Production
Cross Section

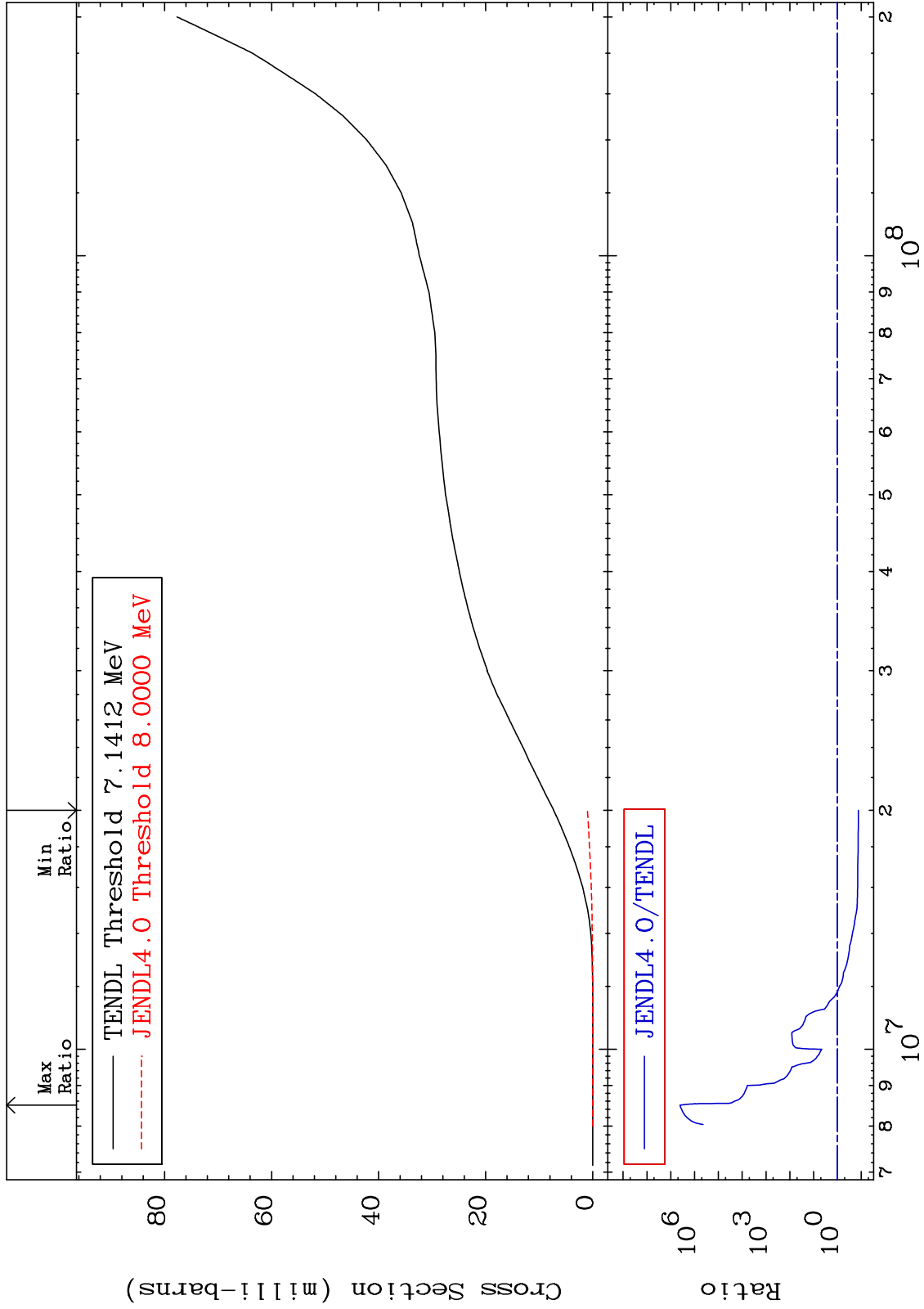
40-Zr-91
-35.50 To 9999. %



MAT 4028

Tritium Production
Cross Section

40-Zr-91
-86.79 To 9999. %



40-Zr-91

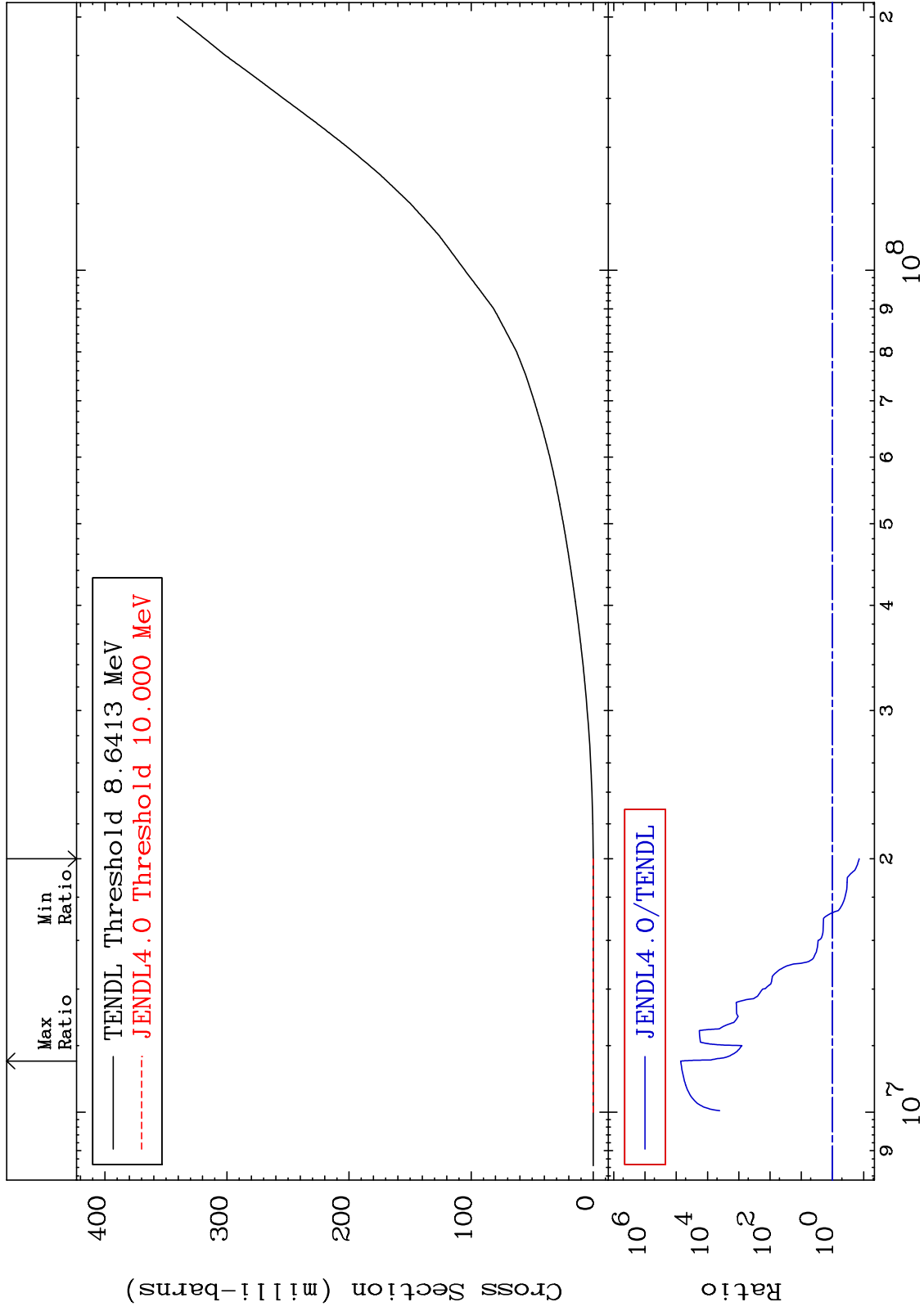
Incident Energy (eV)

32

MAT 4028

He-3 Production
Cross Section

40-Zr-91
-85.93 To 9999. %



33

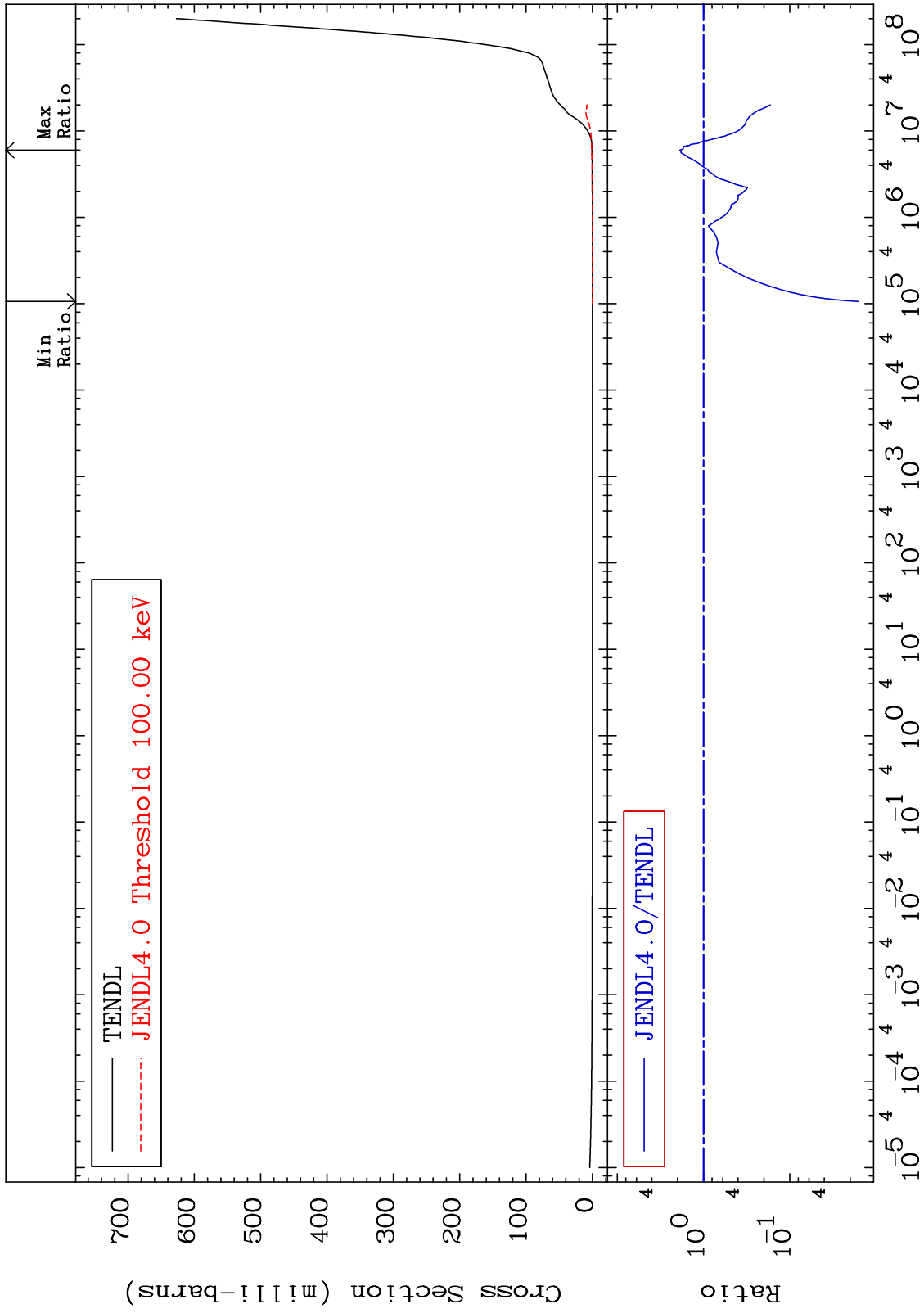
Incident Energy (eV)

40-Zr-91

MAT 4028

He-4 Production
Cross Section

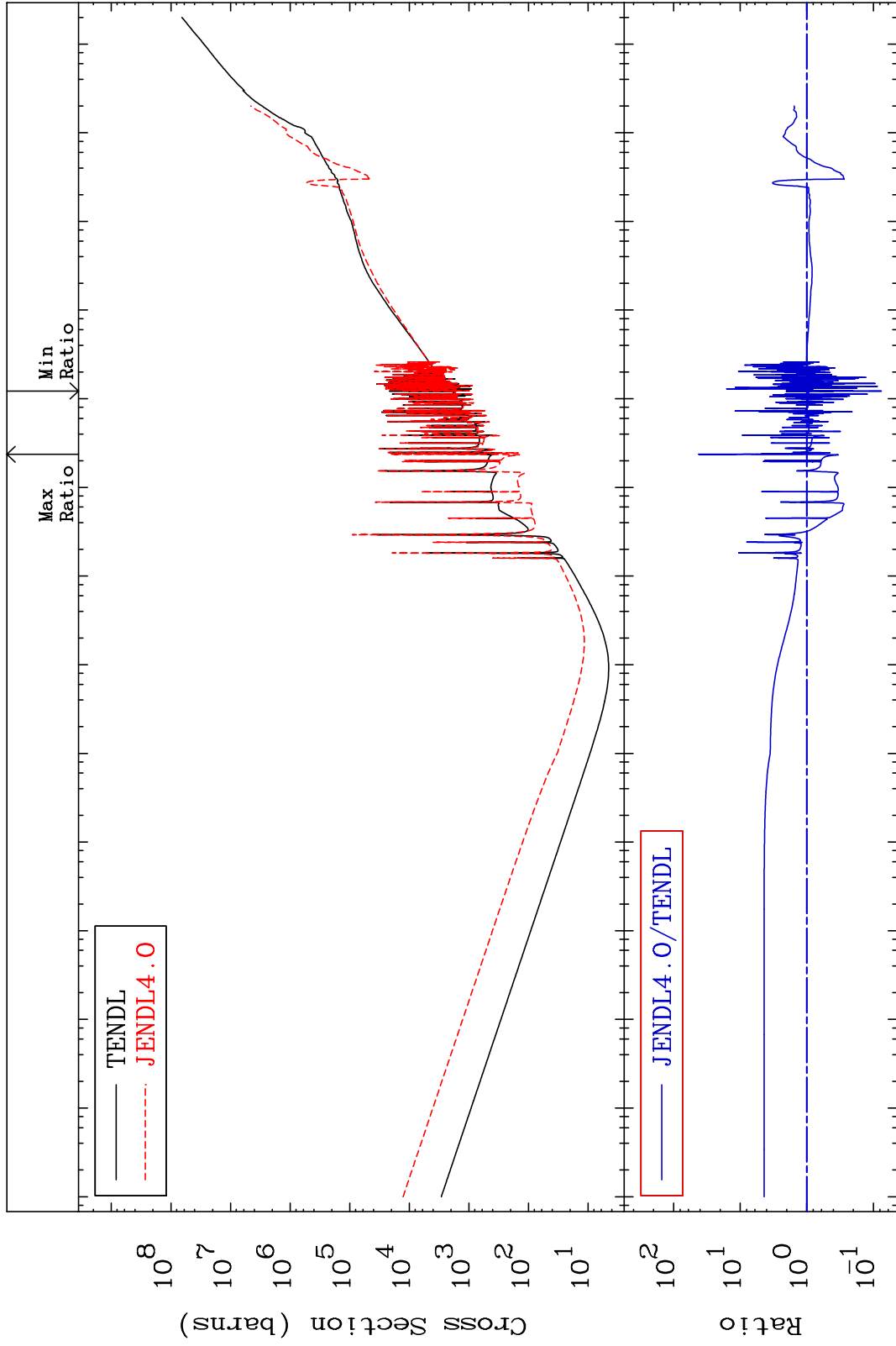
40-Zr-91
-98.39 To 88.82 %



MAT 4028

Kerma total (eV-barns)
Cross Section

40-Zr-91
-92.46 To 4151. %



35

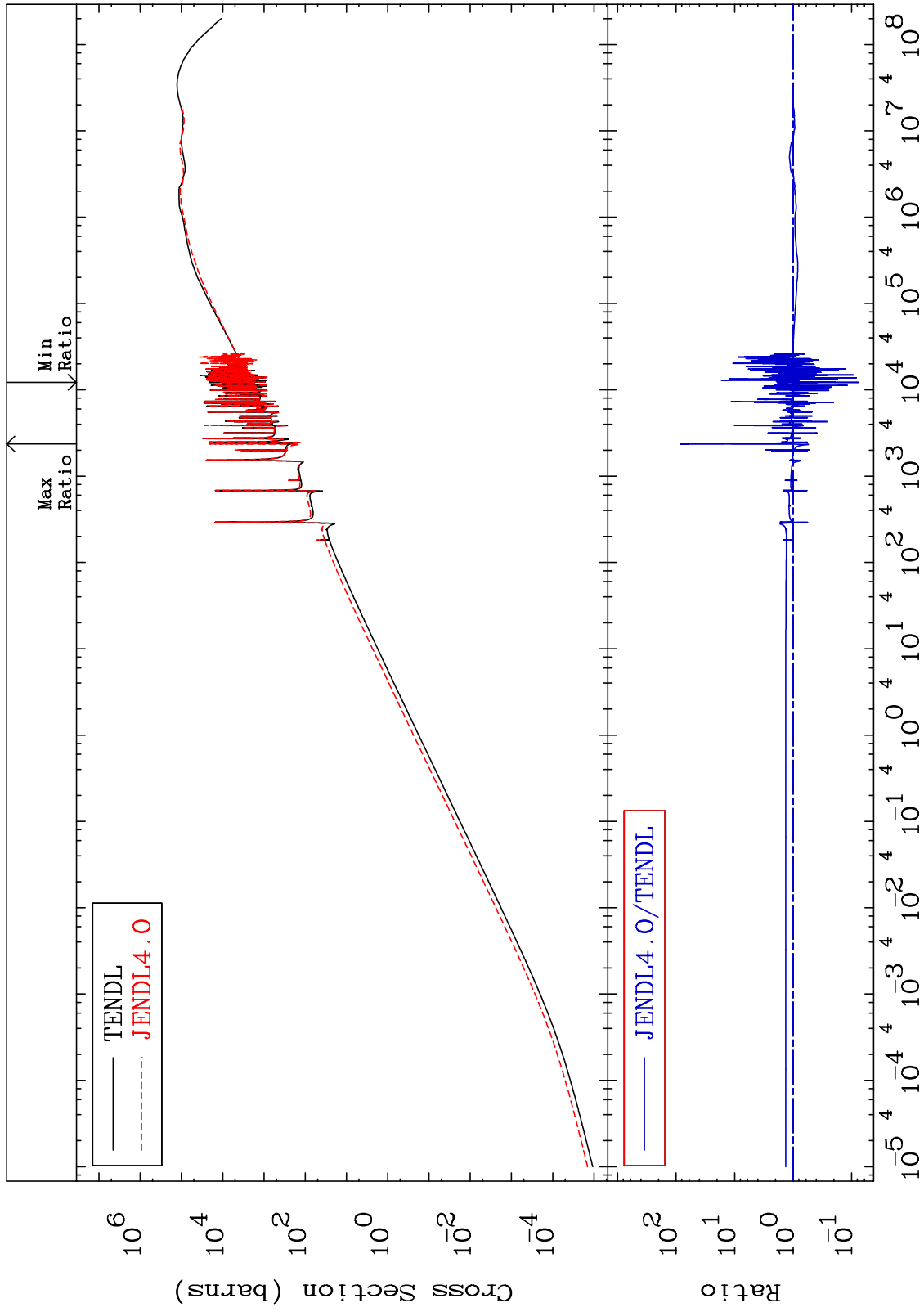
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma elastic
Cross Section

40-Zr-91
-92.36 To 8474. %



36

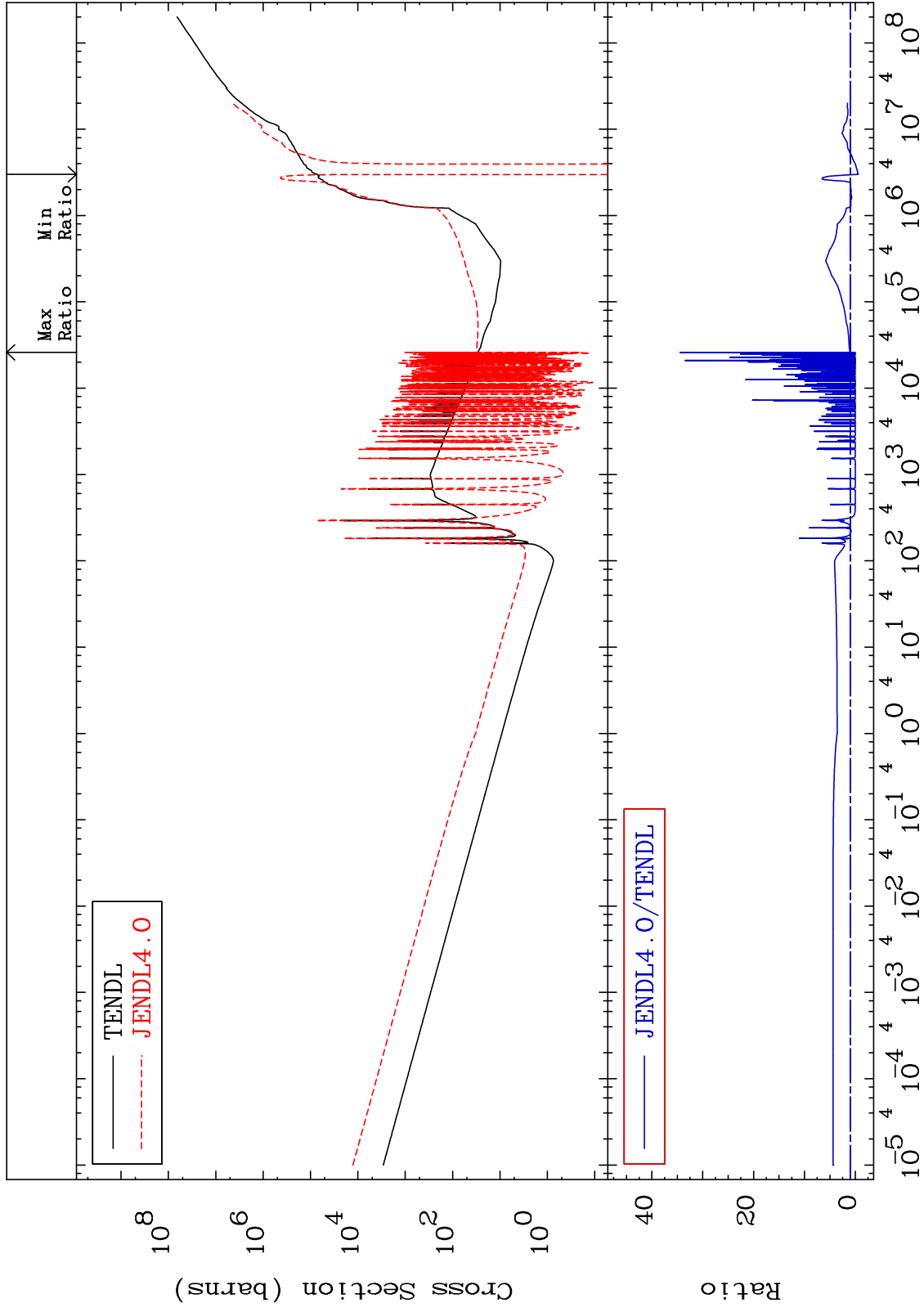
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-91
-160.4 To 3347. %



37

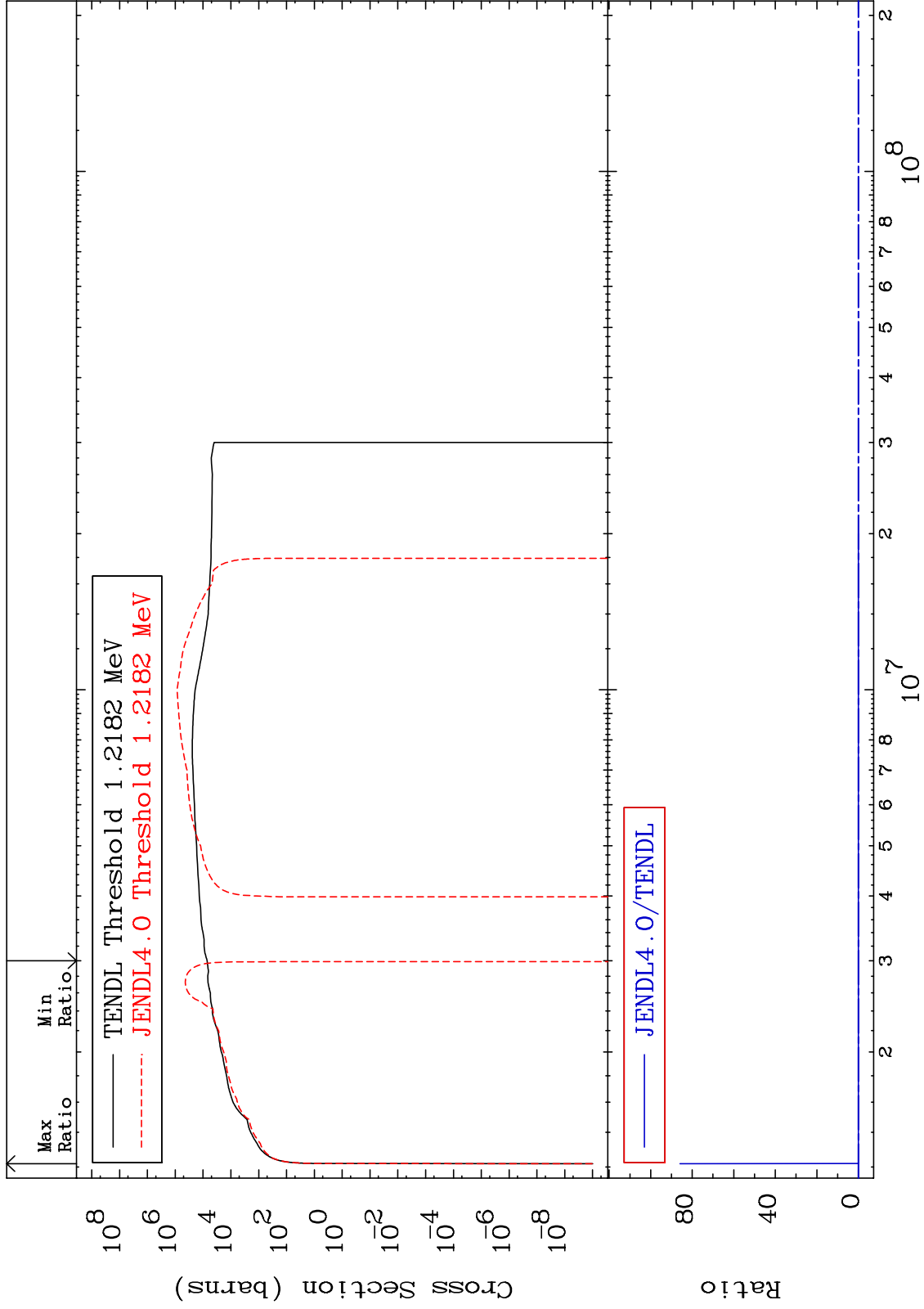
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma inelastic (mt51-91)
Cross Section

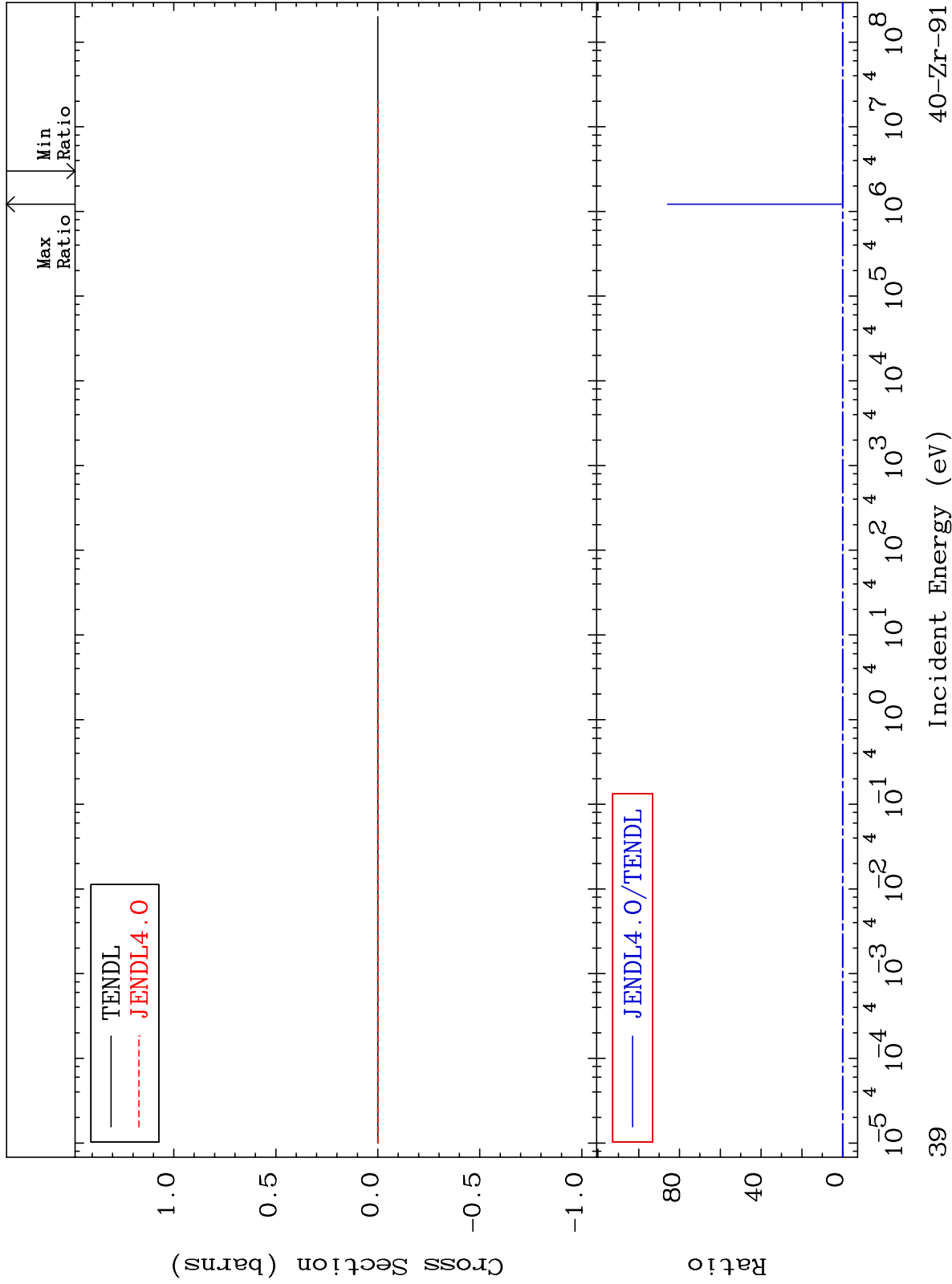
40-Zr-91
-163.6 To 9999. %



MAT 4028

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

40-Zr-91
-163.6 To 9999. %



39

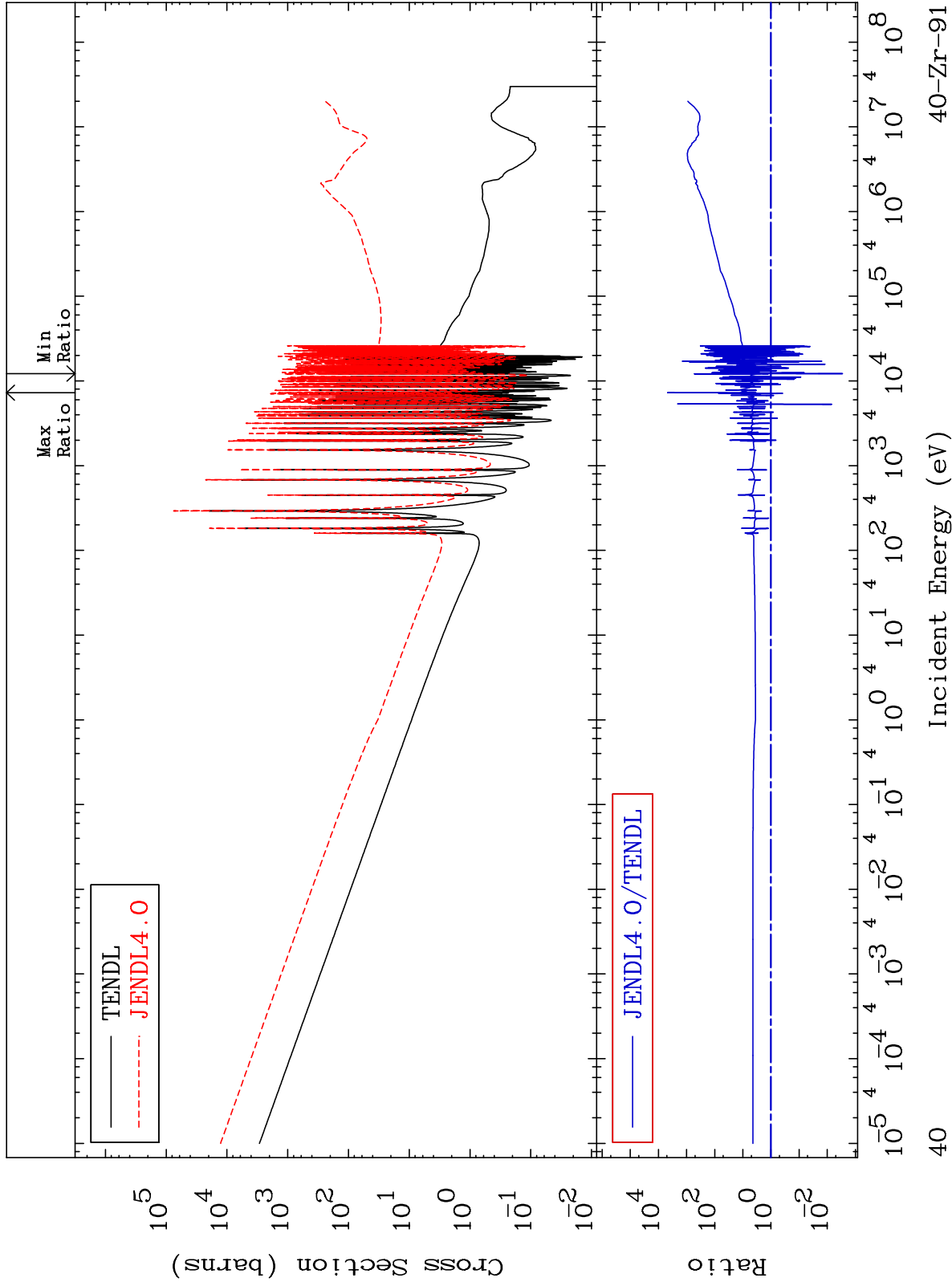
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma capture (mt102)
Cross Section

40-Zr-91
-99.72 To 9999. %



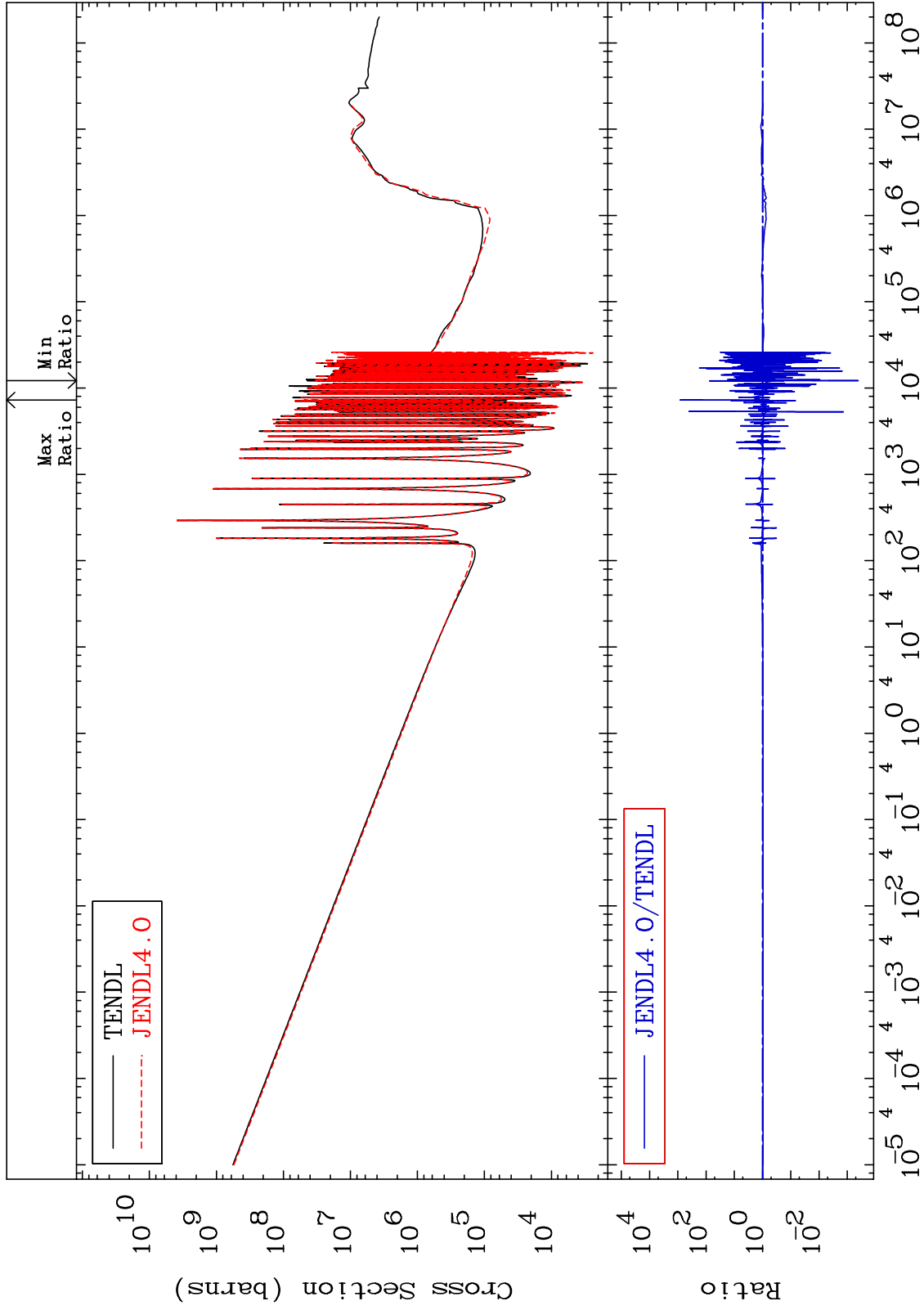
40

40-Zr-91

MAT 4028

Total photon (eV-barns)
Cross Section

40-Zr-91
-99.96 To 9999. %



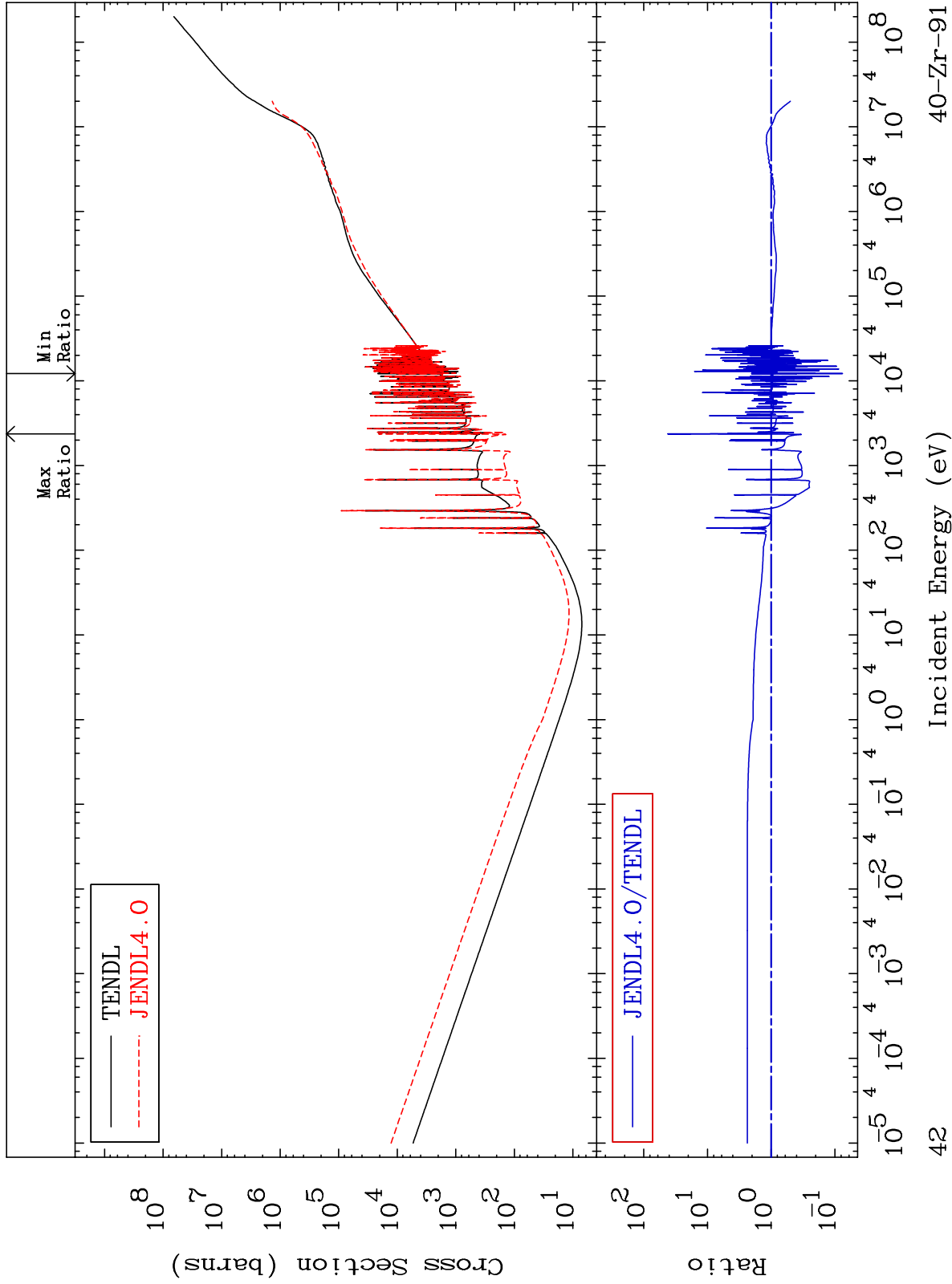
41

40-Zr-91

MAT 4028

Total kinematic kerma (high limit)
Cross Section

40-Zr-91
-92.46 To 4138. %



42

Incident Energy (eV)

40-Zr-91

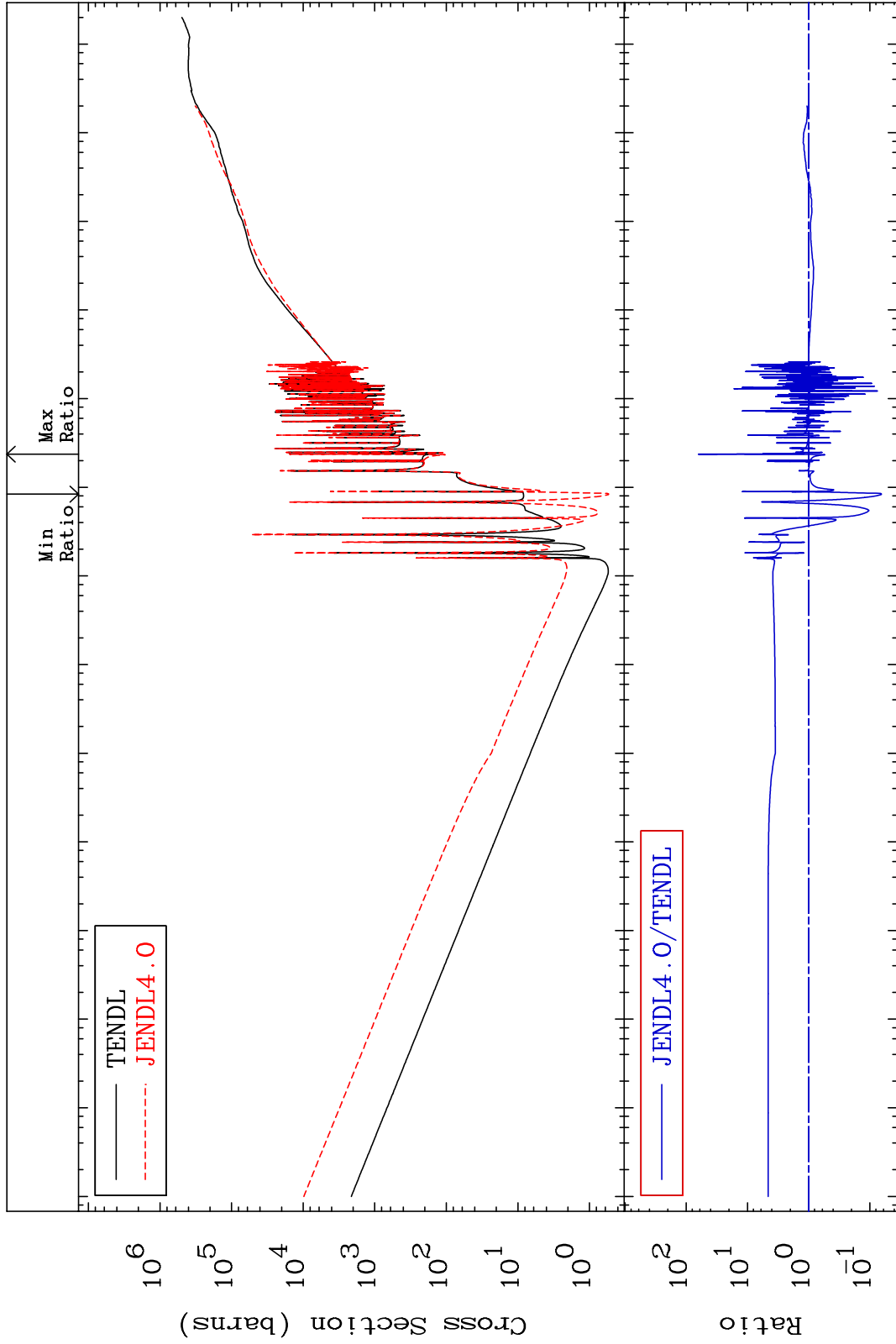
MAT 4028

Dpa total (eV-barns)

40-Zr-91

-93.55 To 6247. %

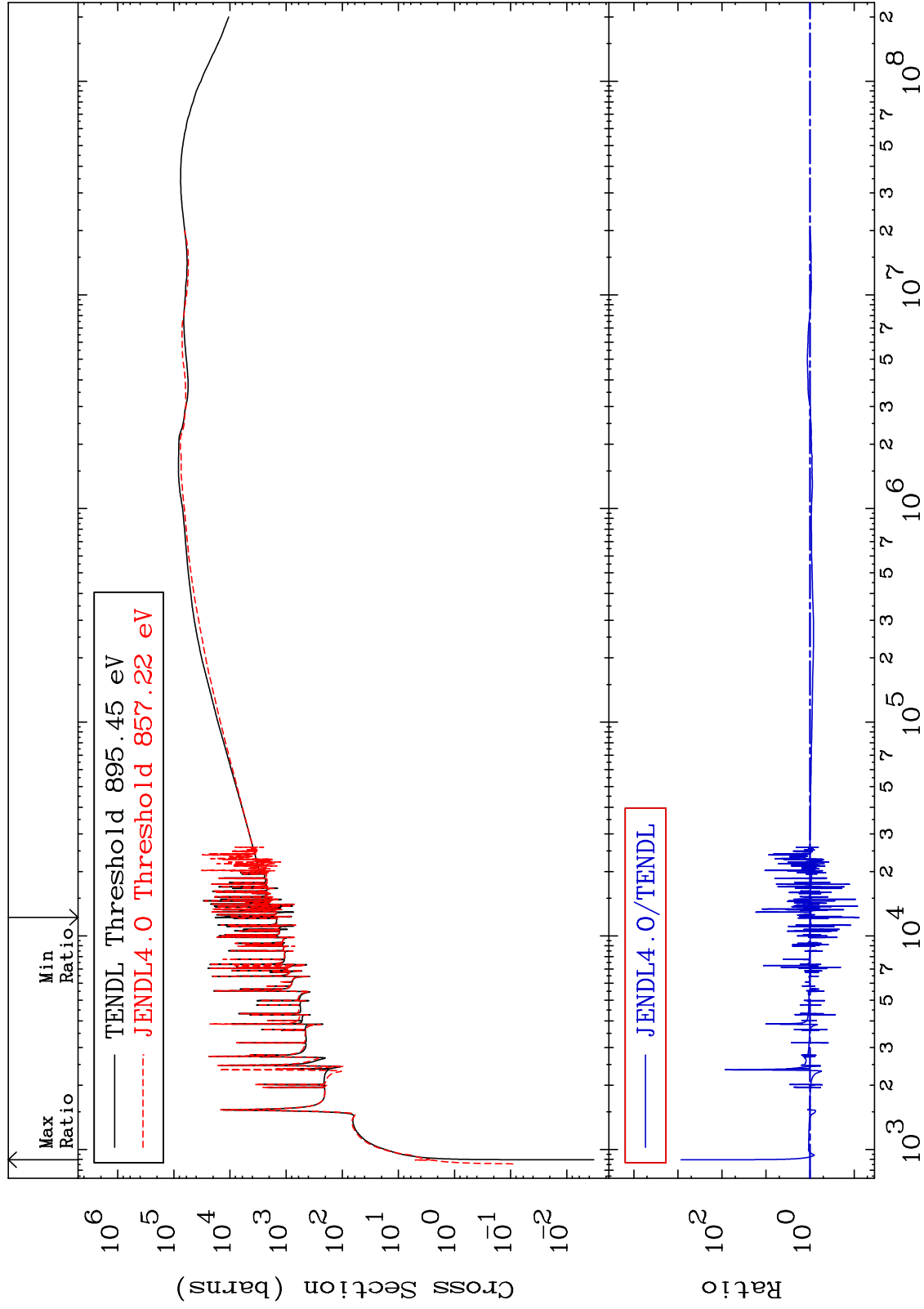
Cross Section



MAT 4028

Dpa elastic (mt2)
Cross Section

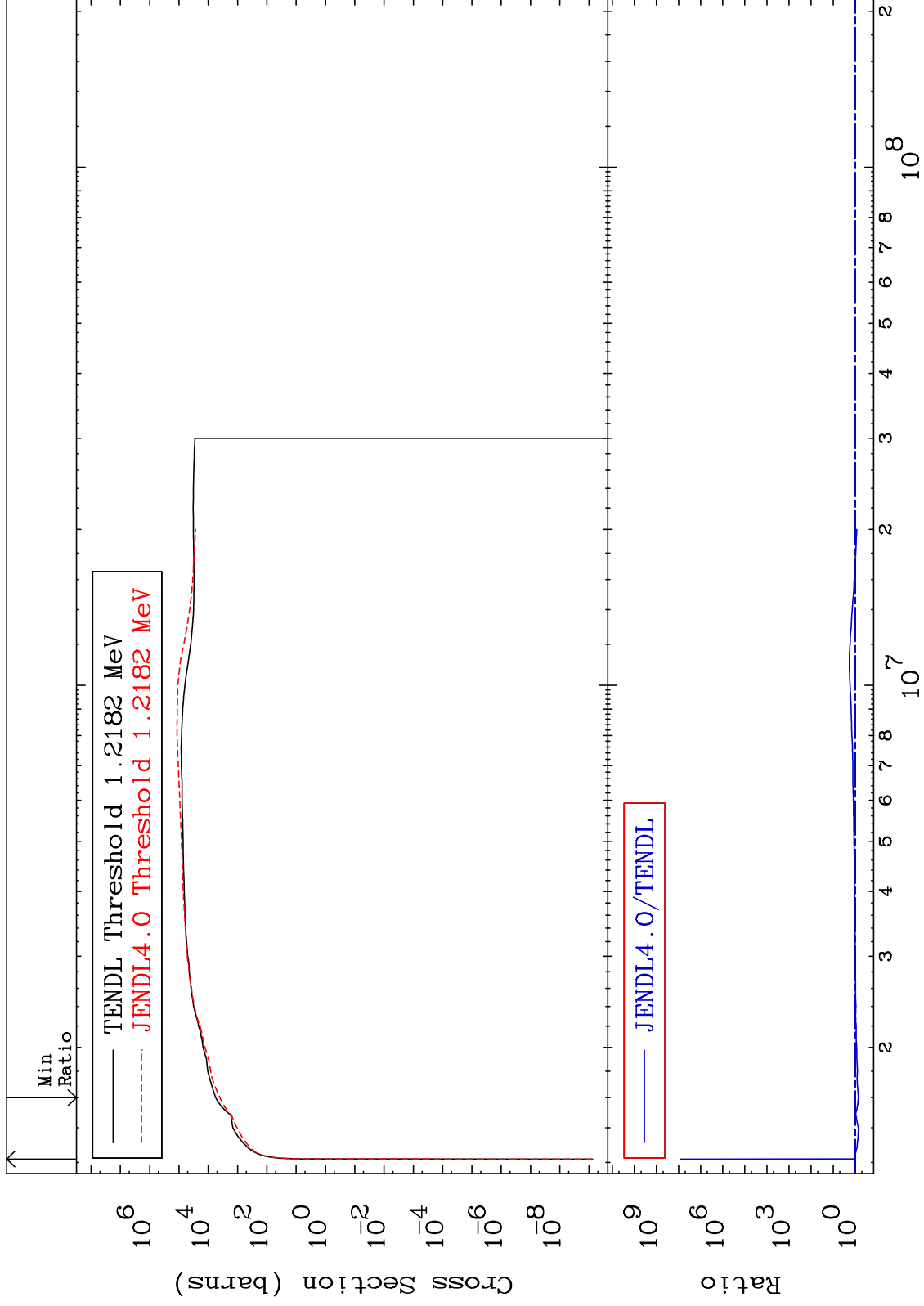
40-Zr-91
-92.36 To 9999. %



MAT 4028

Dpa inelastic (mt51-91)
Cross Section

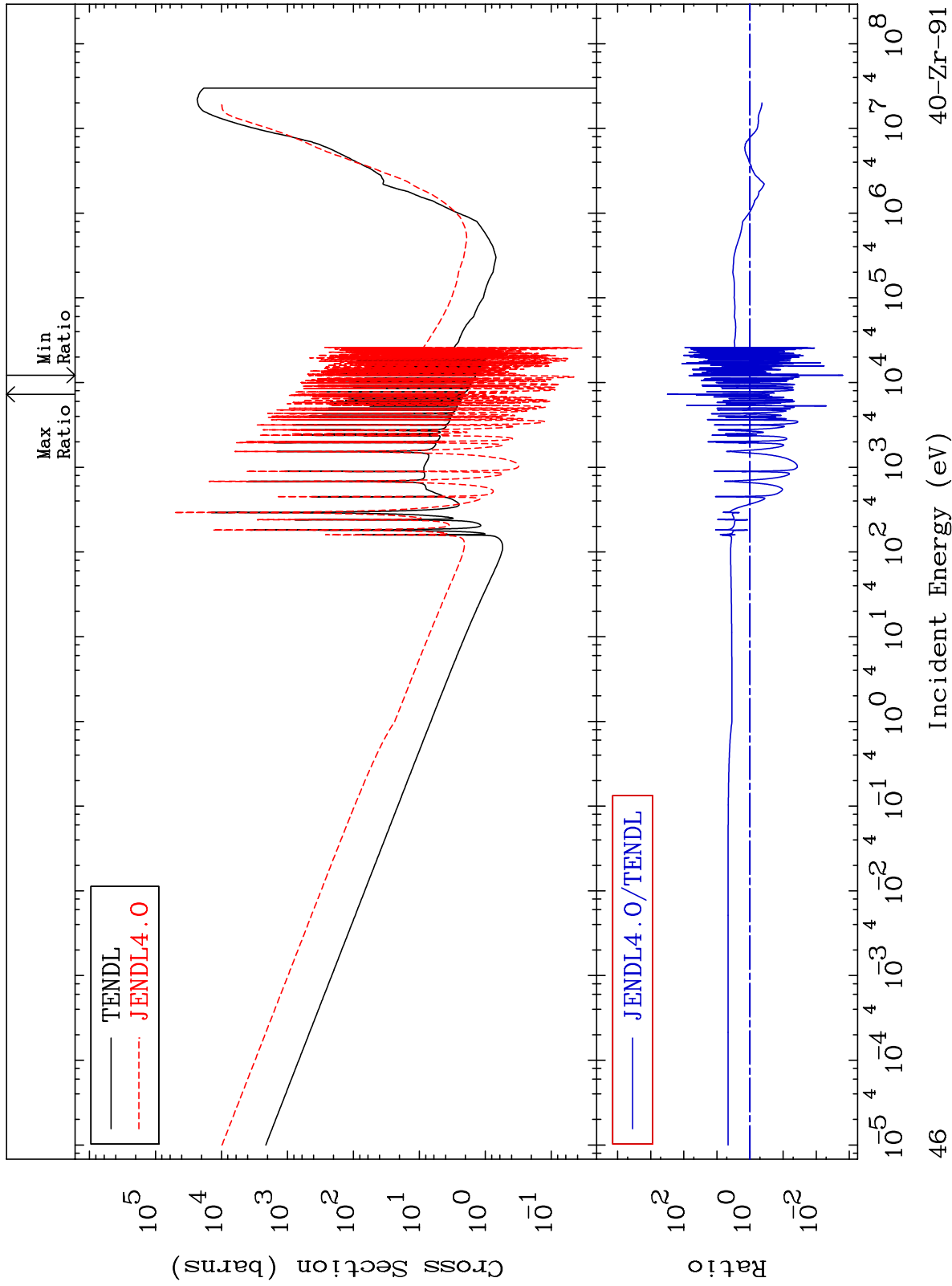
40-Zr-91
-27.92 To 9999. %



MAT 4028

Dpa disappearance (mt102 -120)
Cross Section

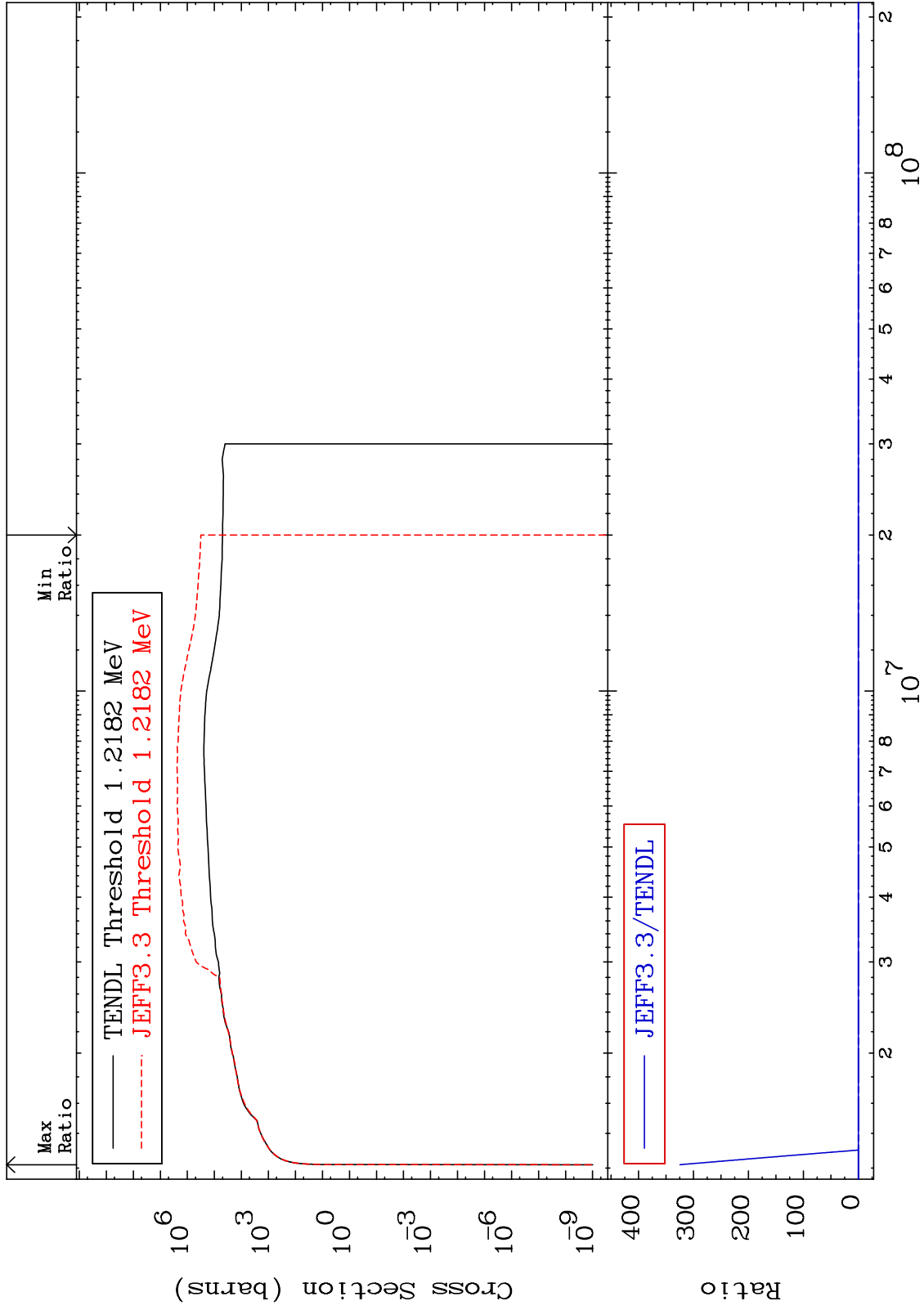
40-Zr-91
-99.84 To 9999. %



MAT 4028

Kerma inelastic (mt51-91)
Cross Section

40-Zr-91
-100.0 To 9999. %



47

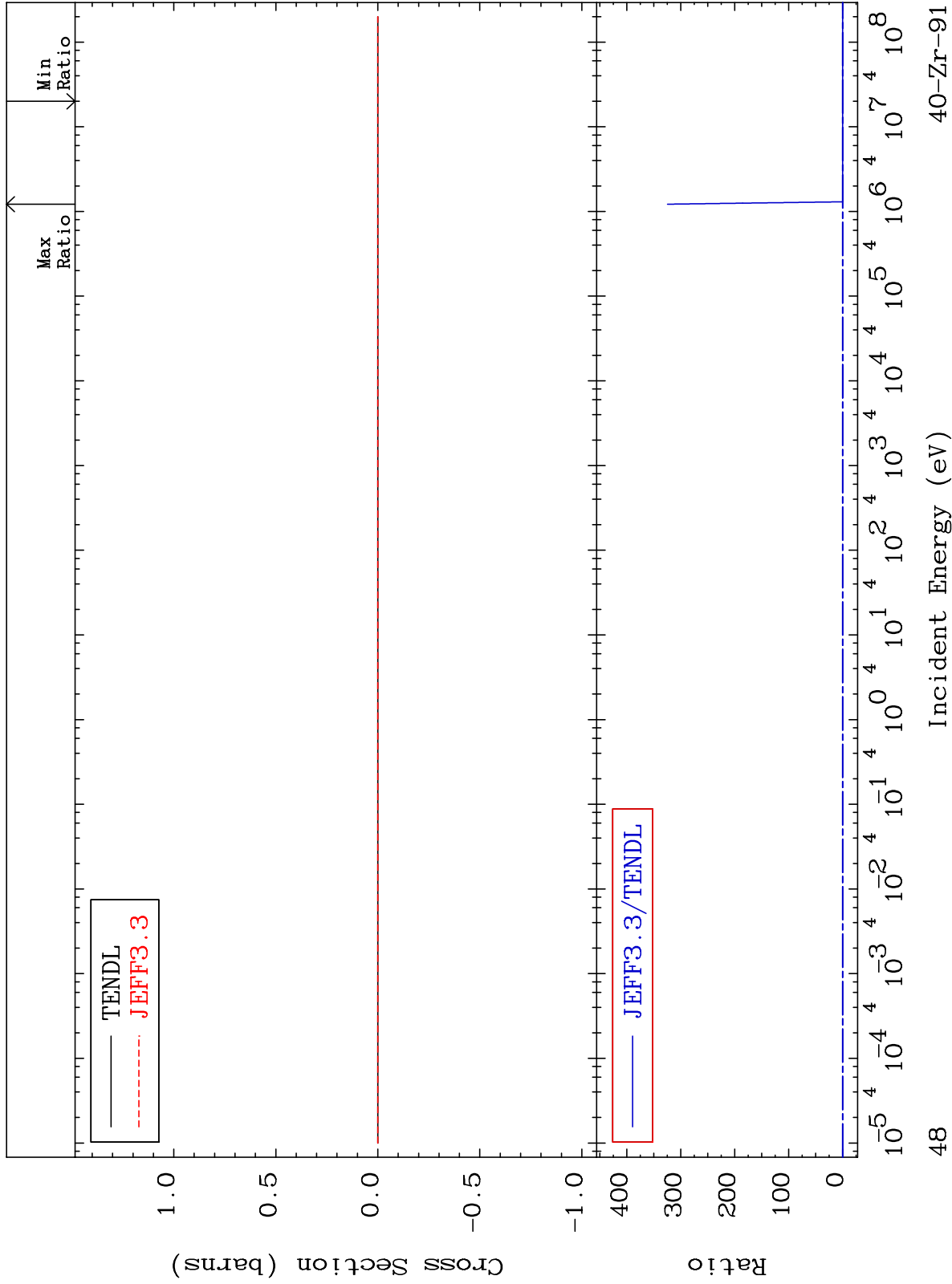
Incident Energy (eV)

40-Zr-91

MAT 4028

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

40-Zr-91
-100.0 To 9999. %



48

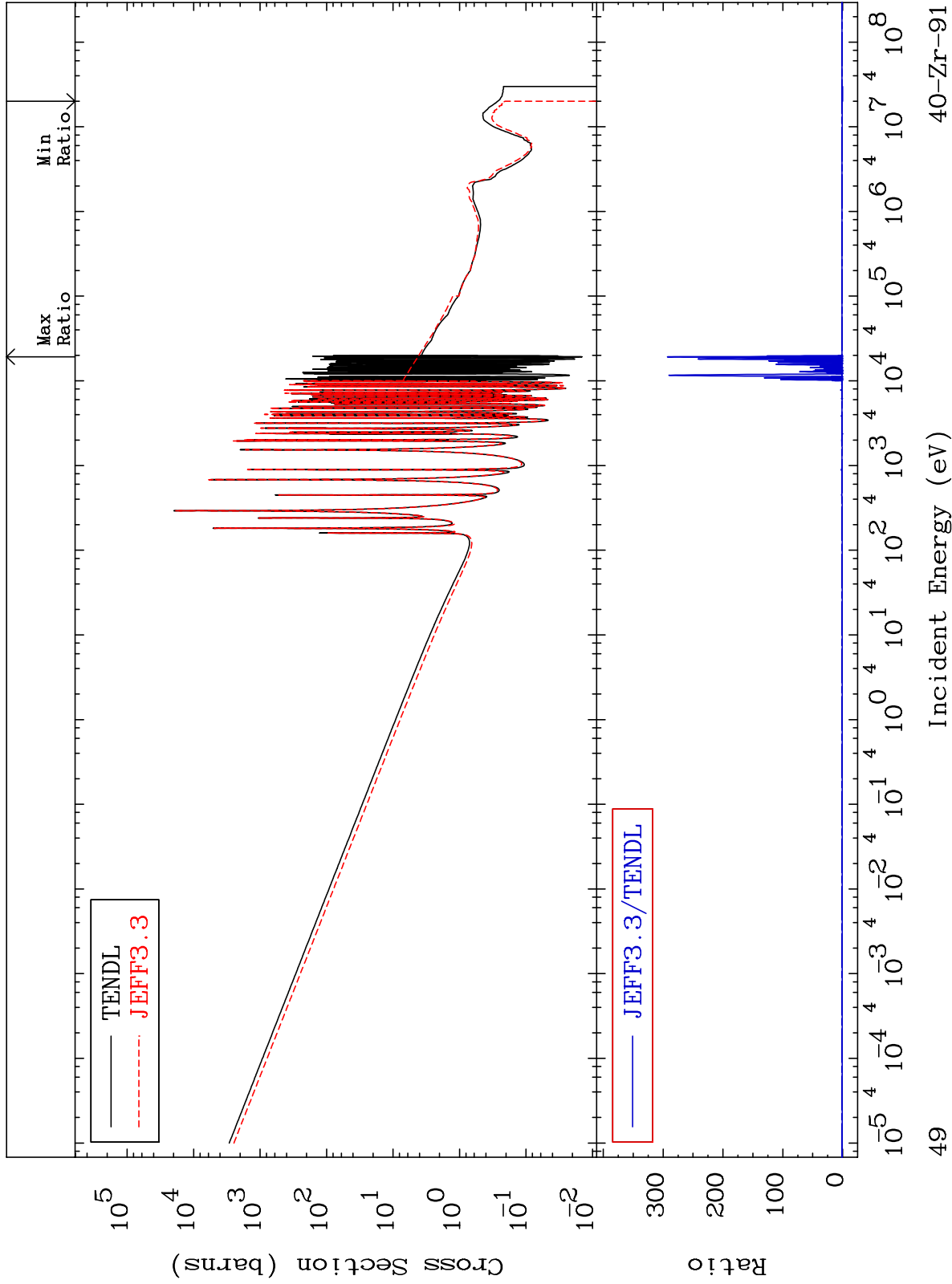
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma capture (mt102)
Cross Section

40-Zr-91
-100.0 To 9999. %



49

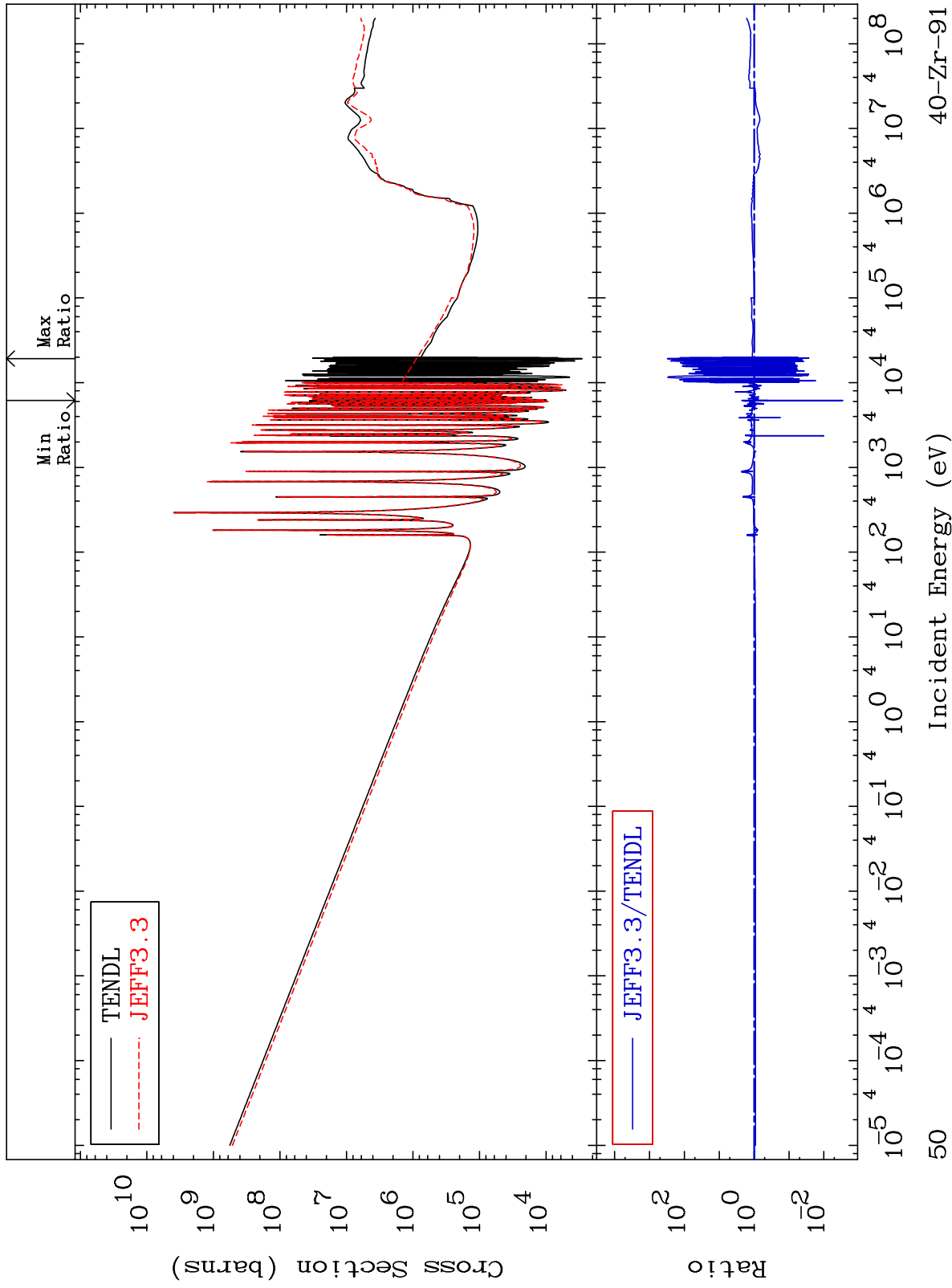
Incident Energy (eV)

40-Zr-91

MAT 4028

Total photon (eV-barns)
Cross Section

40-Zr-91
-99.71 To 9999. %



50

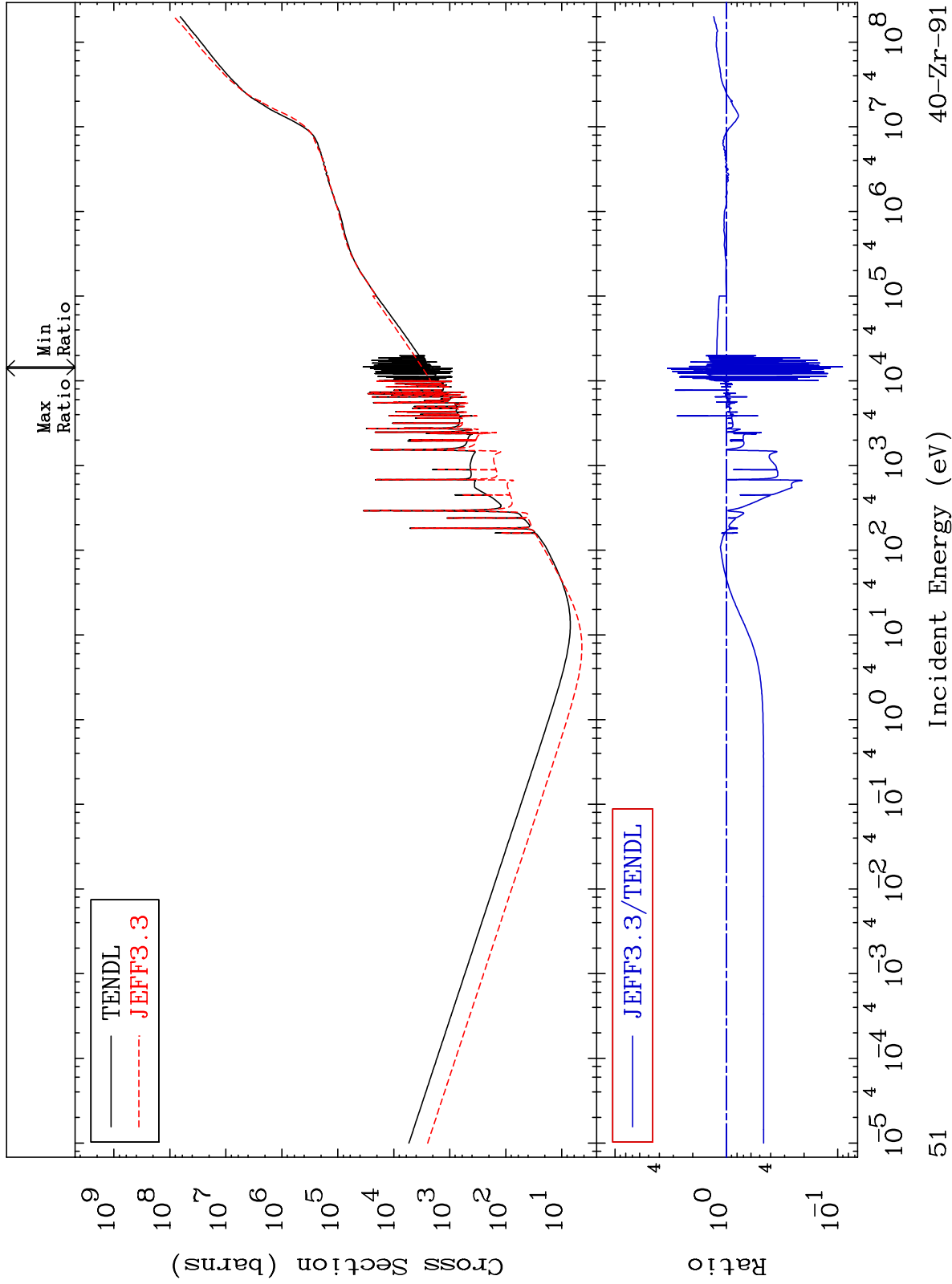
Incident Energy (eV)

40-Zr-91

MAT 4028

Total kinematic kerma (high limit)
Cross Section

40-Zr-91
-90.99 To 237.4 %



51

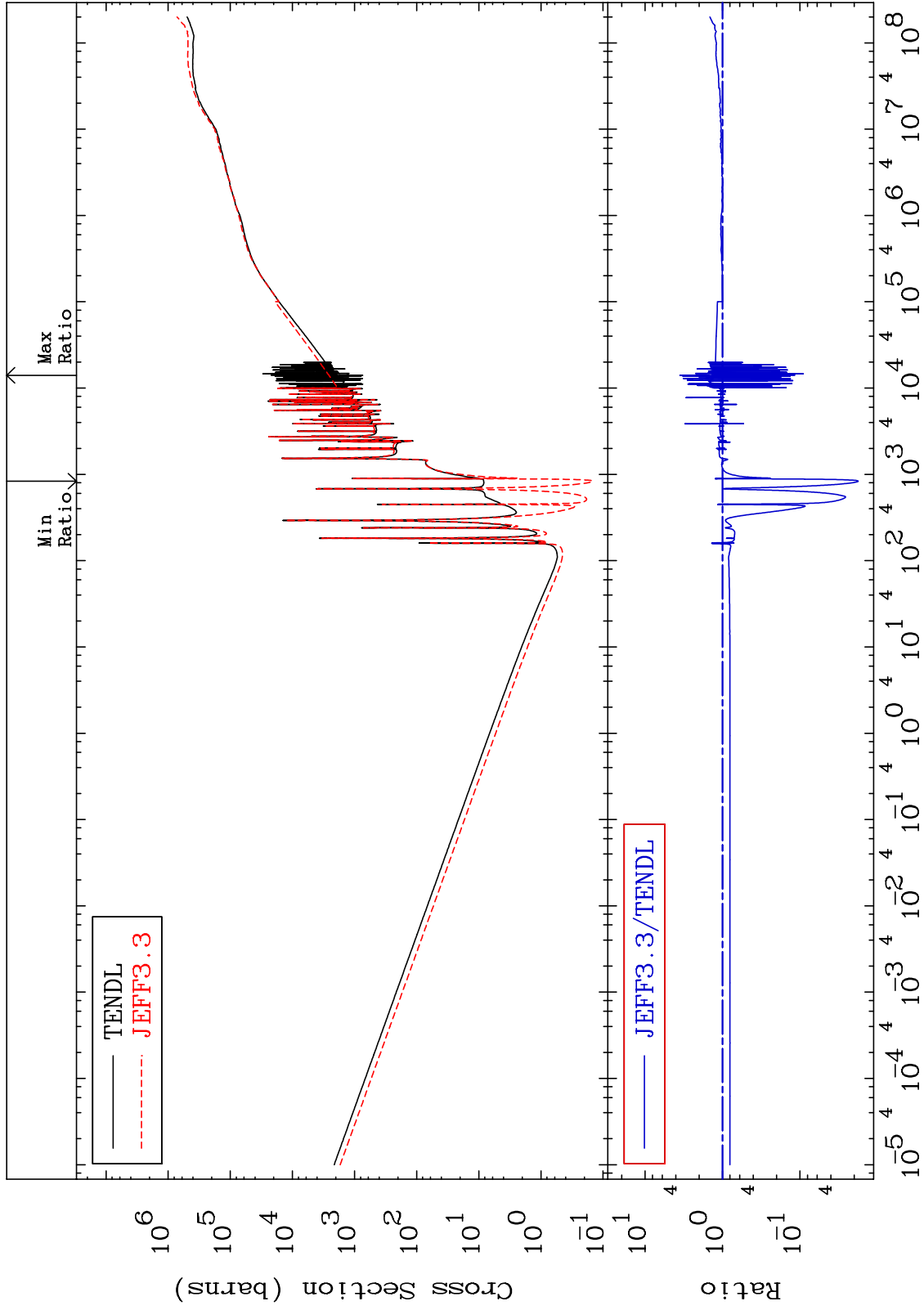
Incident Energy (eV)

40-Zr-91

MAT 4028

Dpa total (eV-barns)
Cross Section

40-Zr-91
-98.24 To 253.4 %



52

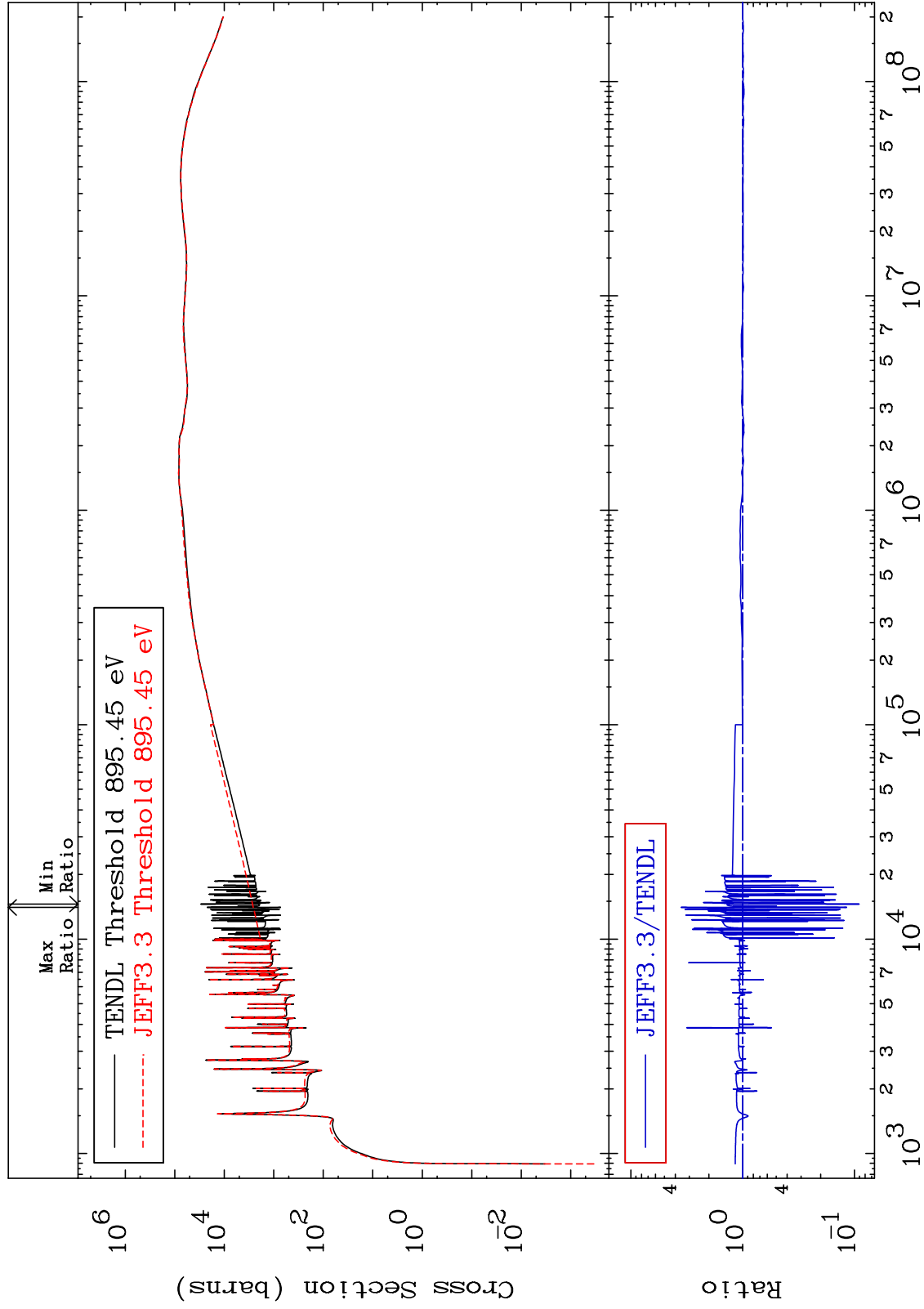
Incident Energy (eV)

40-Zr-91

MAT 4028

Dpa elastic (mt2)
Cross Section

40-Zr-91
-90.97 To 254.9 %



53

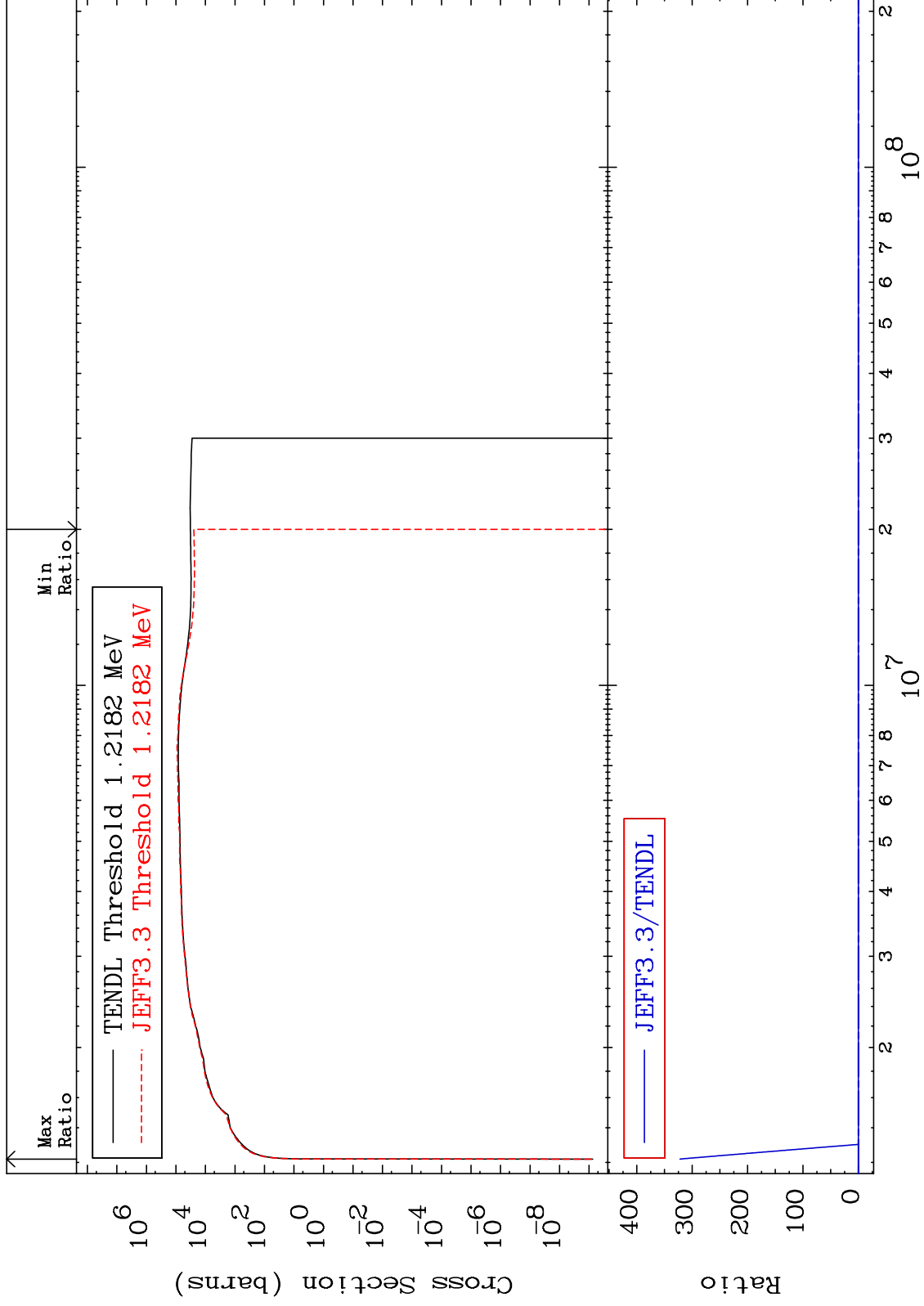
40-Zr-91

40-Zr-91

MAT 4028

Dpa inelastic (mt51-91)
Cross Section

40-Zr-91
-100.0 To 9999. %



MAT 4028

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-91
-100.0 To 410.4 %

