

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

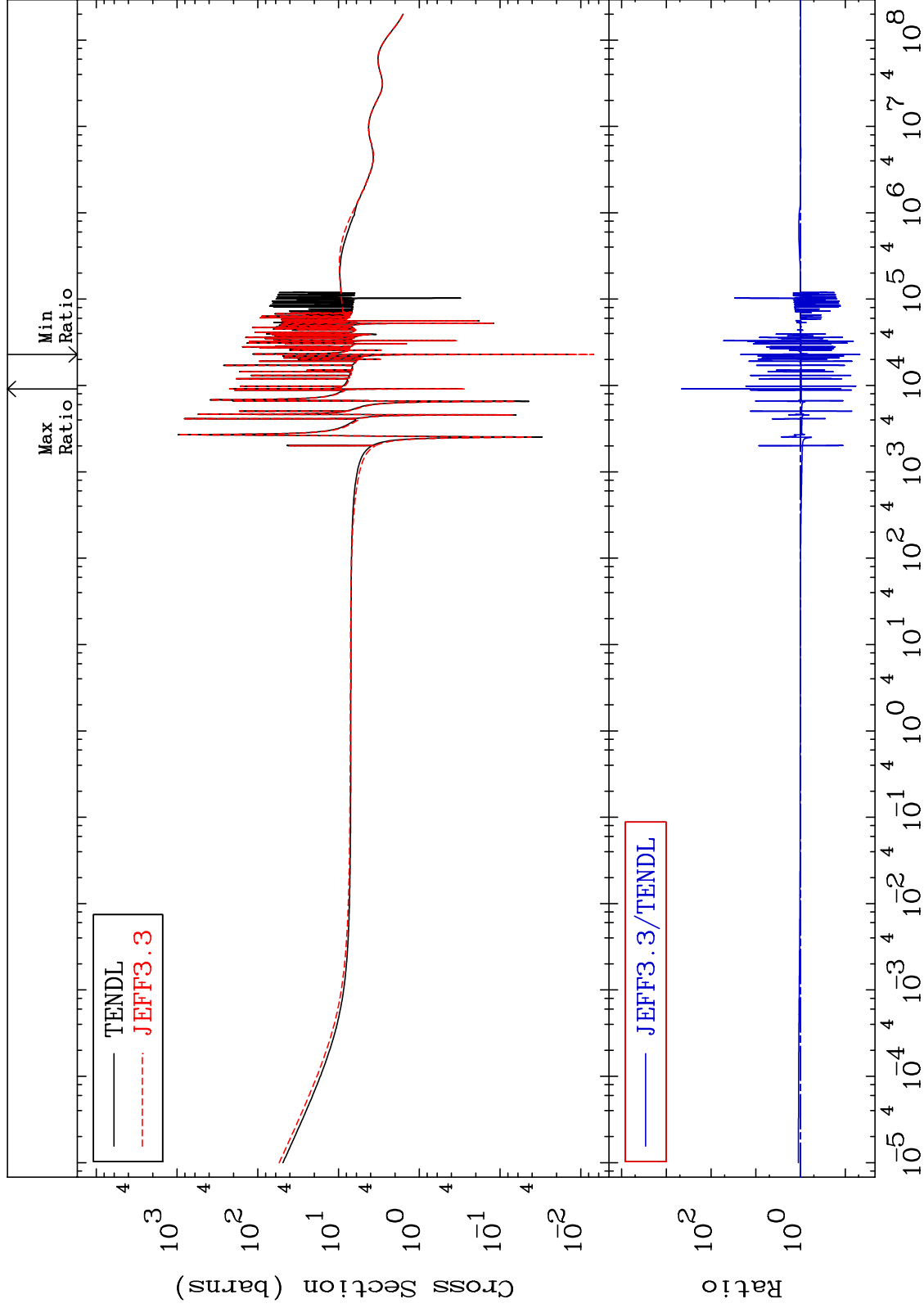
MAT 4031

Total

40-Zr-92

Cross Section

-95.27 To 9999. %



1

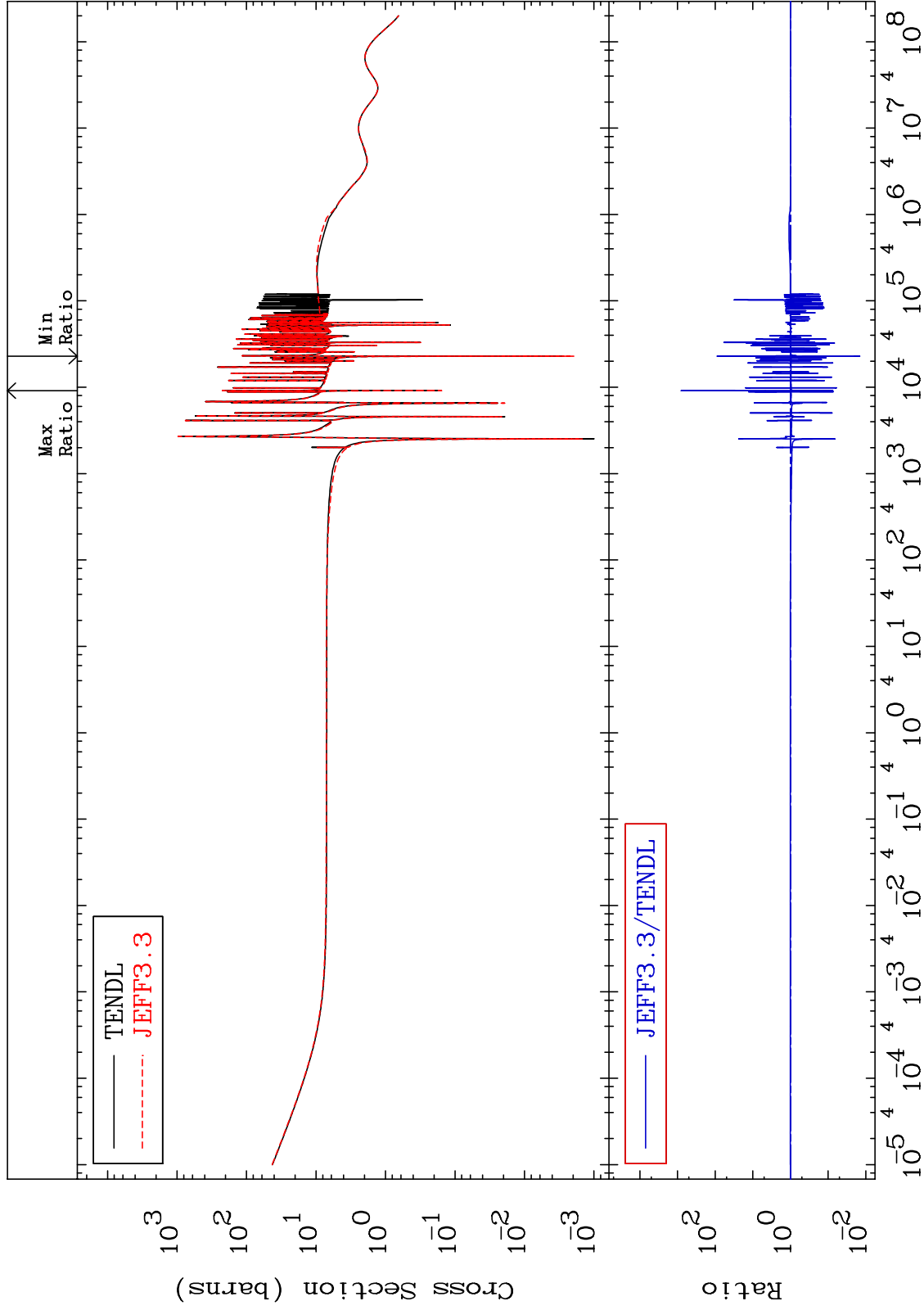
Incident Energy (eV)

40-Zr-92

MAT 4031

Elastic
Cross Section

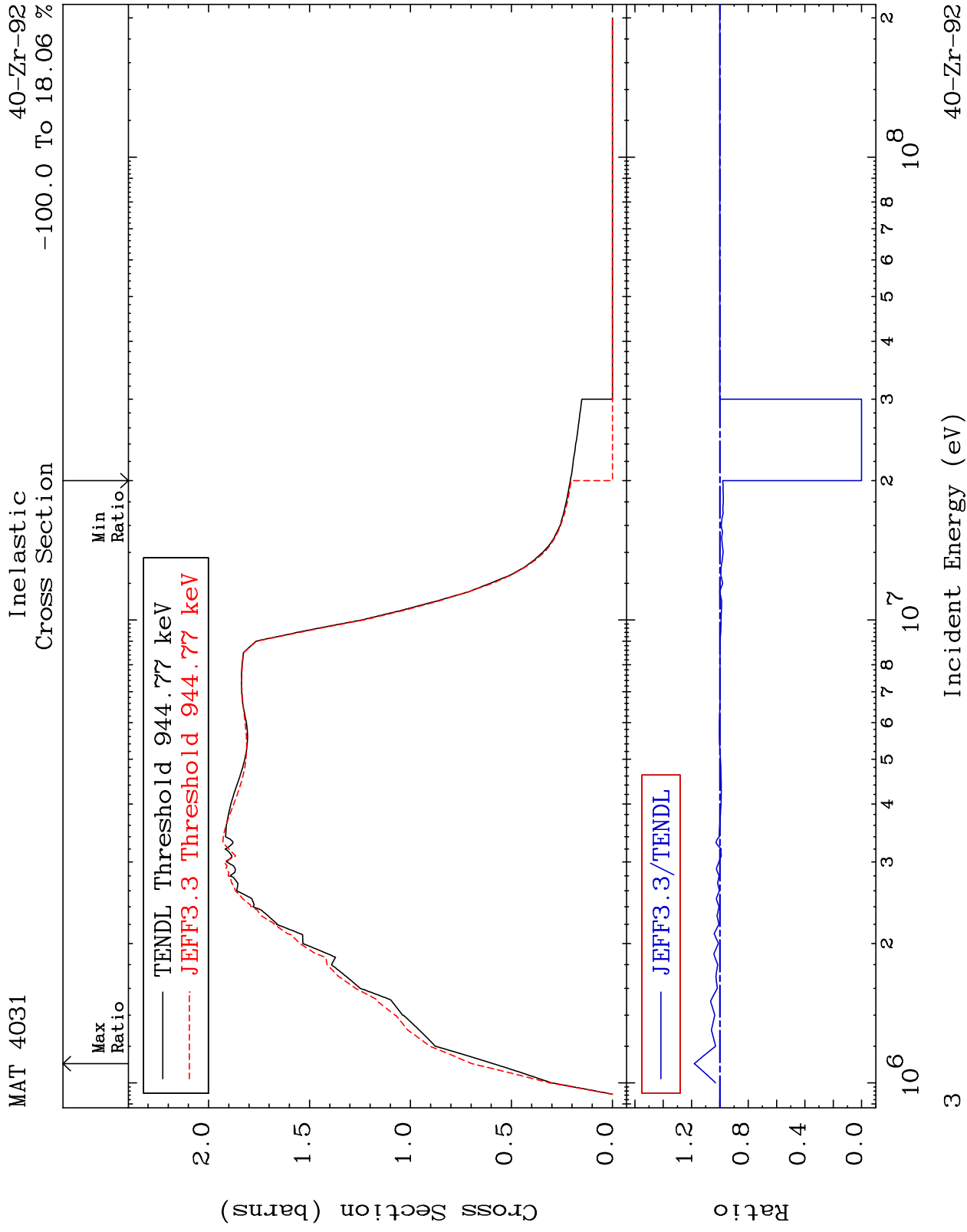
40-Zr-92
-98.56 To 9999. %



2

Incident Energy (eV)

40-Zr-92

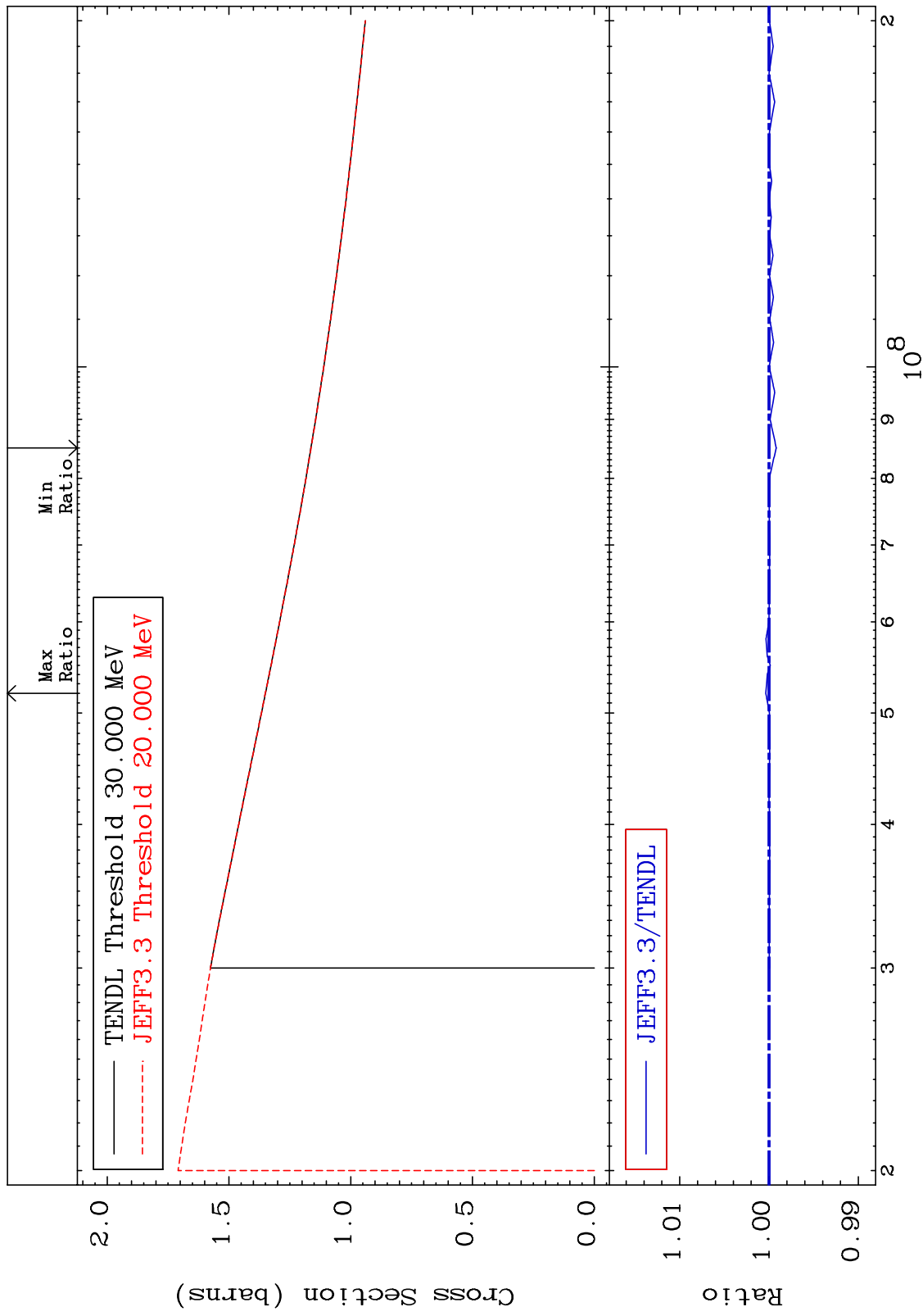


MAT 4031

(n, remainder)
Cross Section

40-Zr-92

-0.080 To 0.036 %

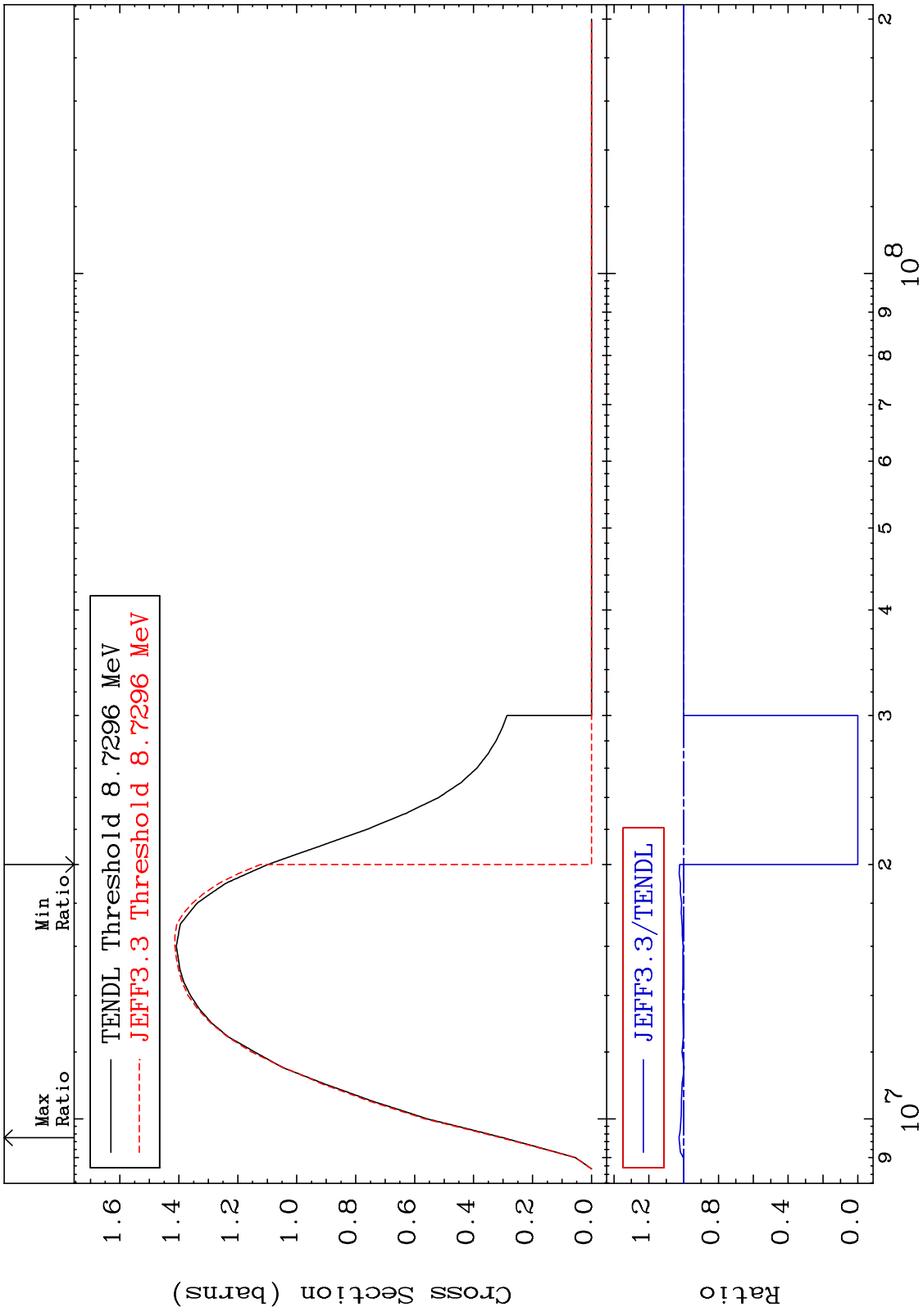


4

Incident Energy (eV)

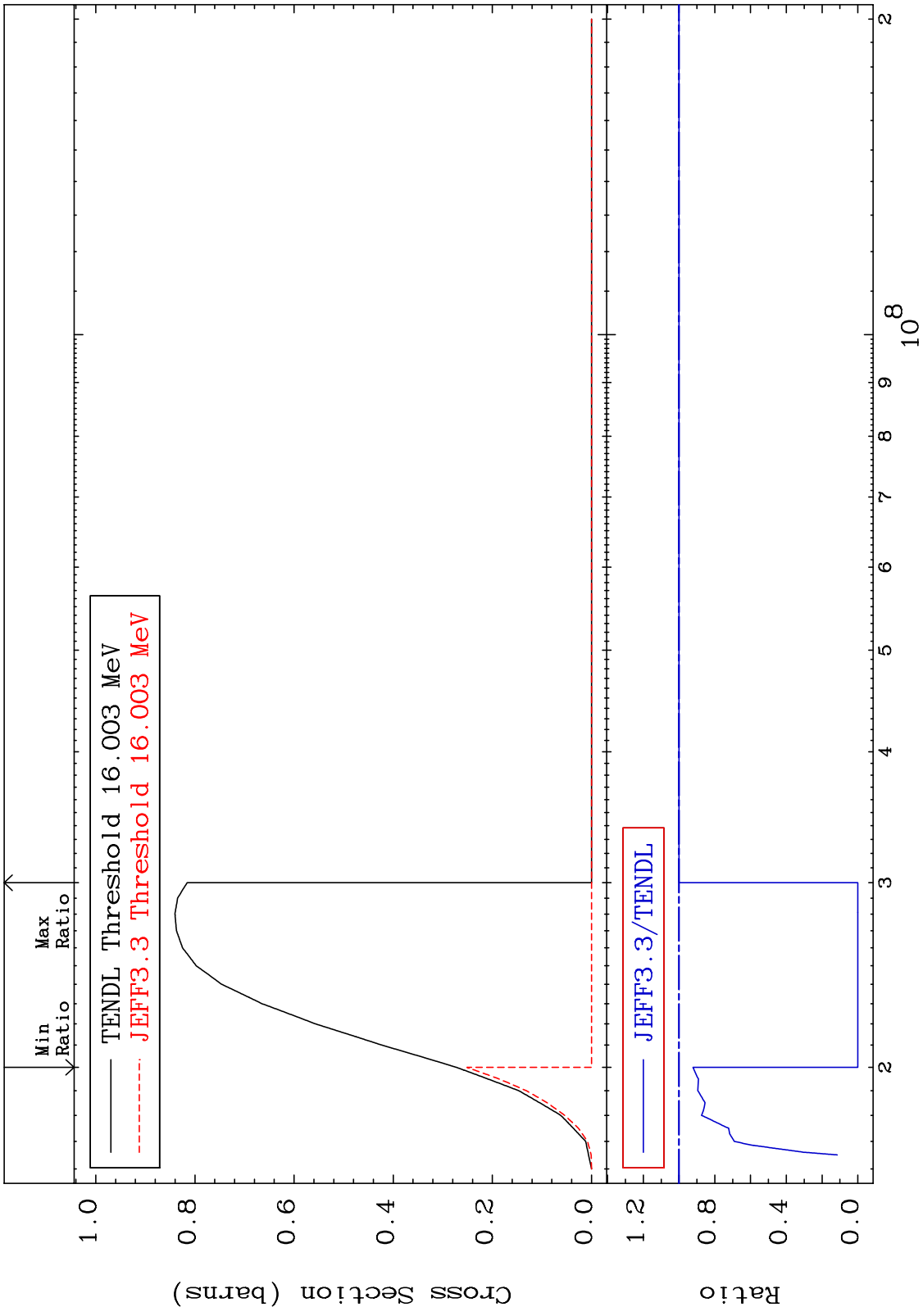
40-Zr-92

MAT 4031 (n,2n) Cross Section 40-Zr-92 -100.0 To 2.634 %



40-Zr-92

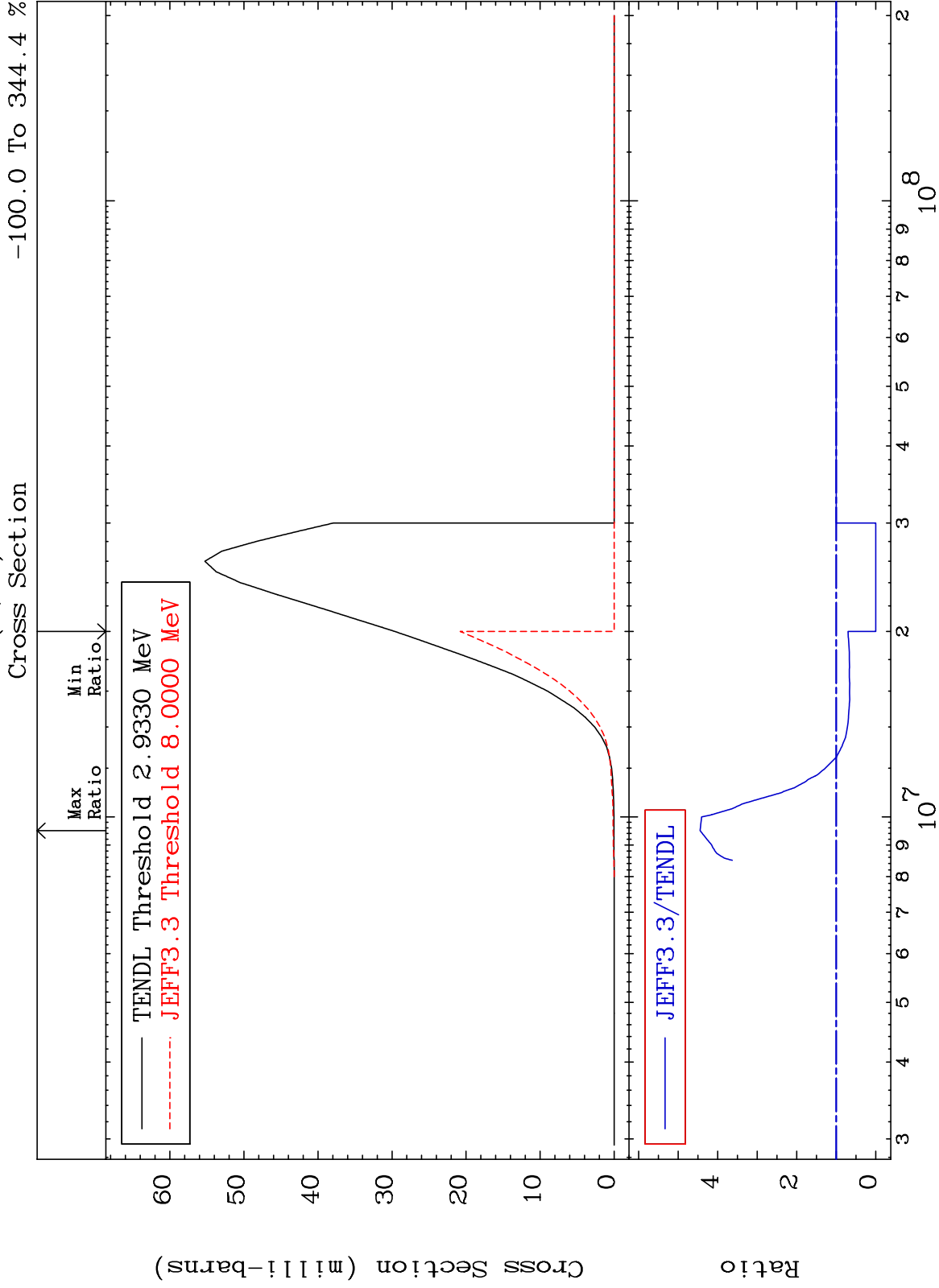
MAT 4031 (n,3n) 40-Zr-92
 Cross Section -100.0 To 0.000 %



MAT 4031

(n, n') α

40-Zr-92
-100.0 To 344.4 %



7

Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') p

40-Zr-92

Cross Section

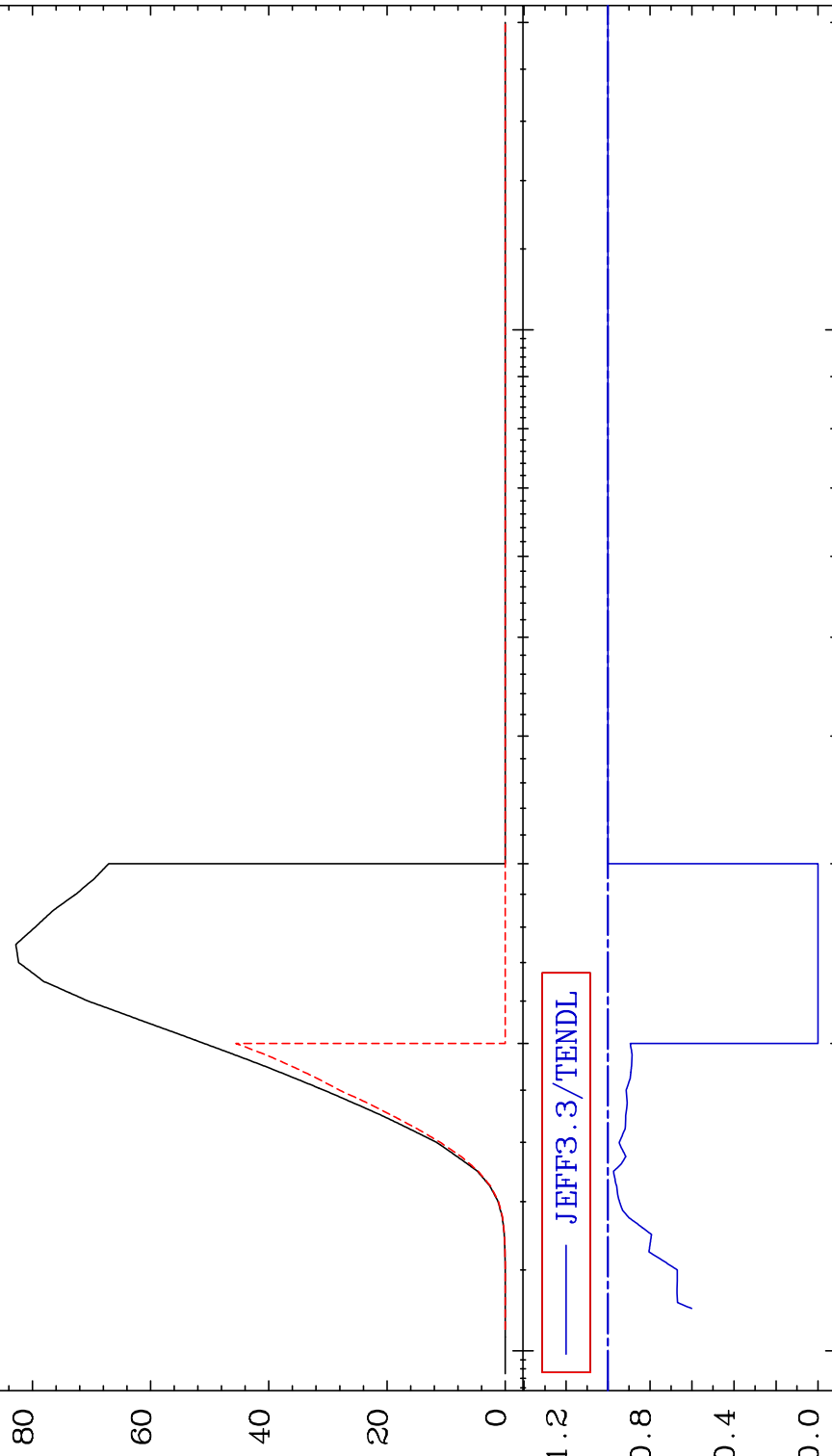
-100.0 To 0.000 %

Min Ratio

Max Ratio

TENDL Threshold 9.4998 MeV
JEFF3.3 Threshold 10.500 MeV

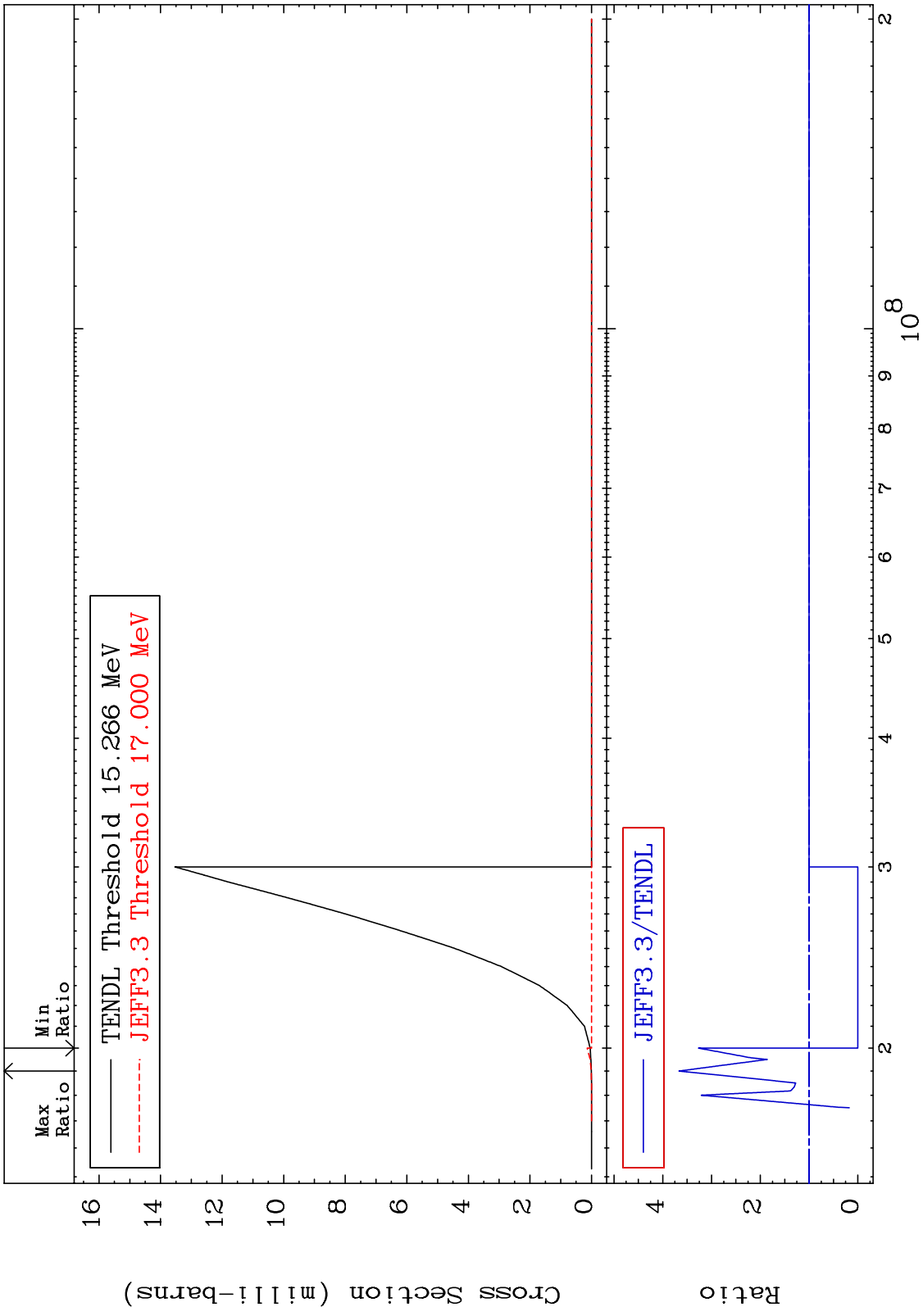
Cross Section (milli-barns)



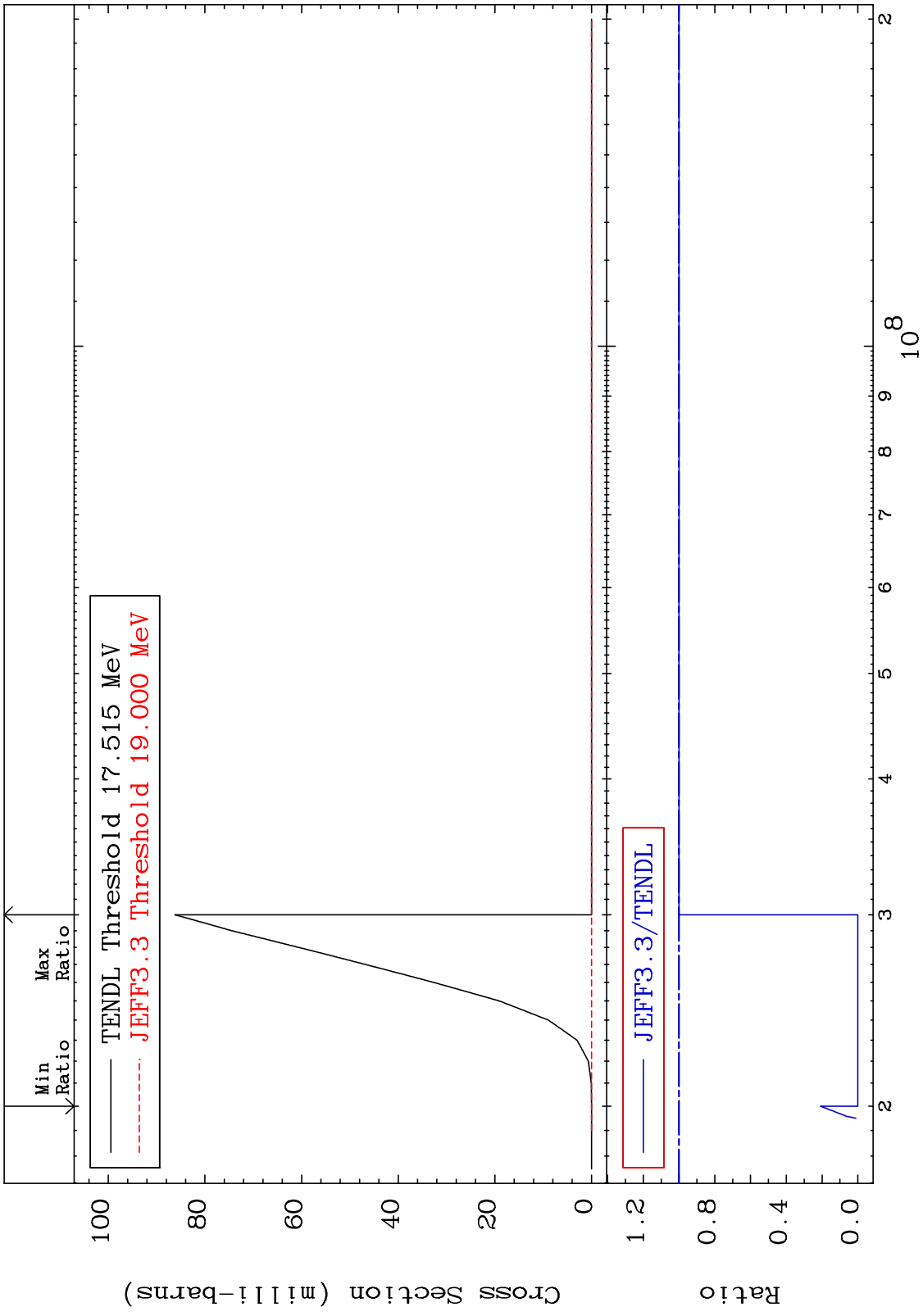
Incident Energy (eV)

40-Zr-92

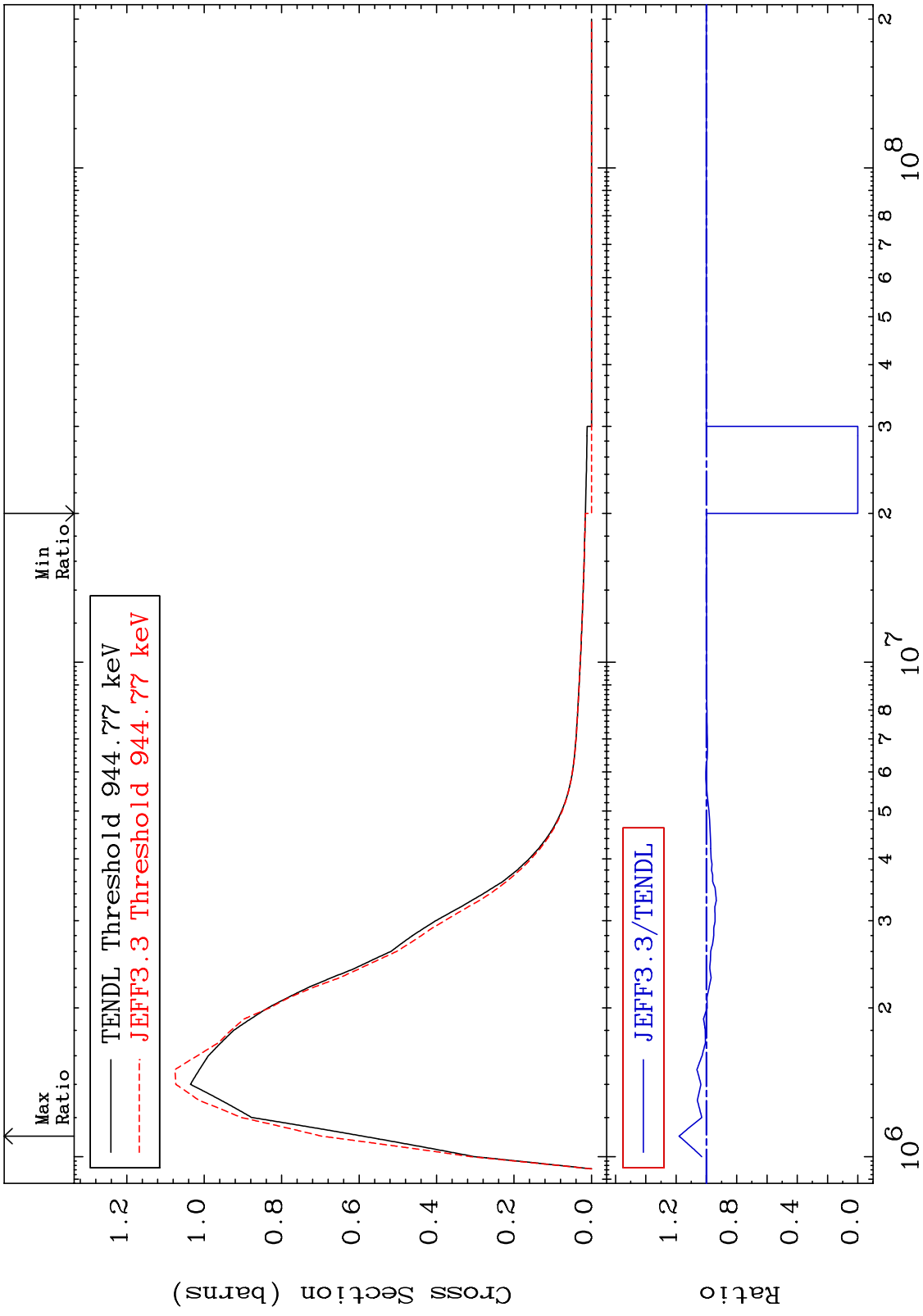
MAT 4031 (n, n') d 40-Zr-92
 Cross Section -100.0 To 266.6 %



MAT 4031 (n,2n) p 40-Zr-92
 Cross Section -100.0 To 0.000 %

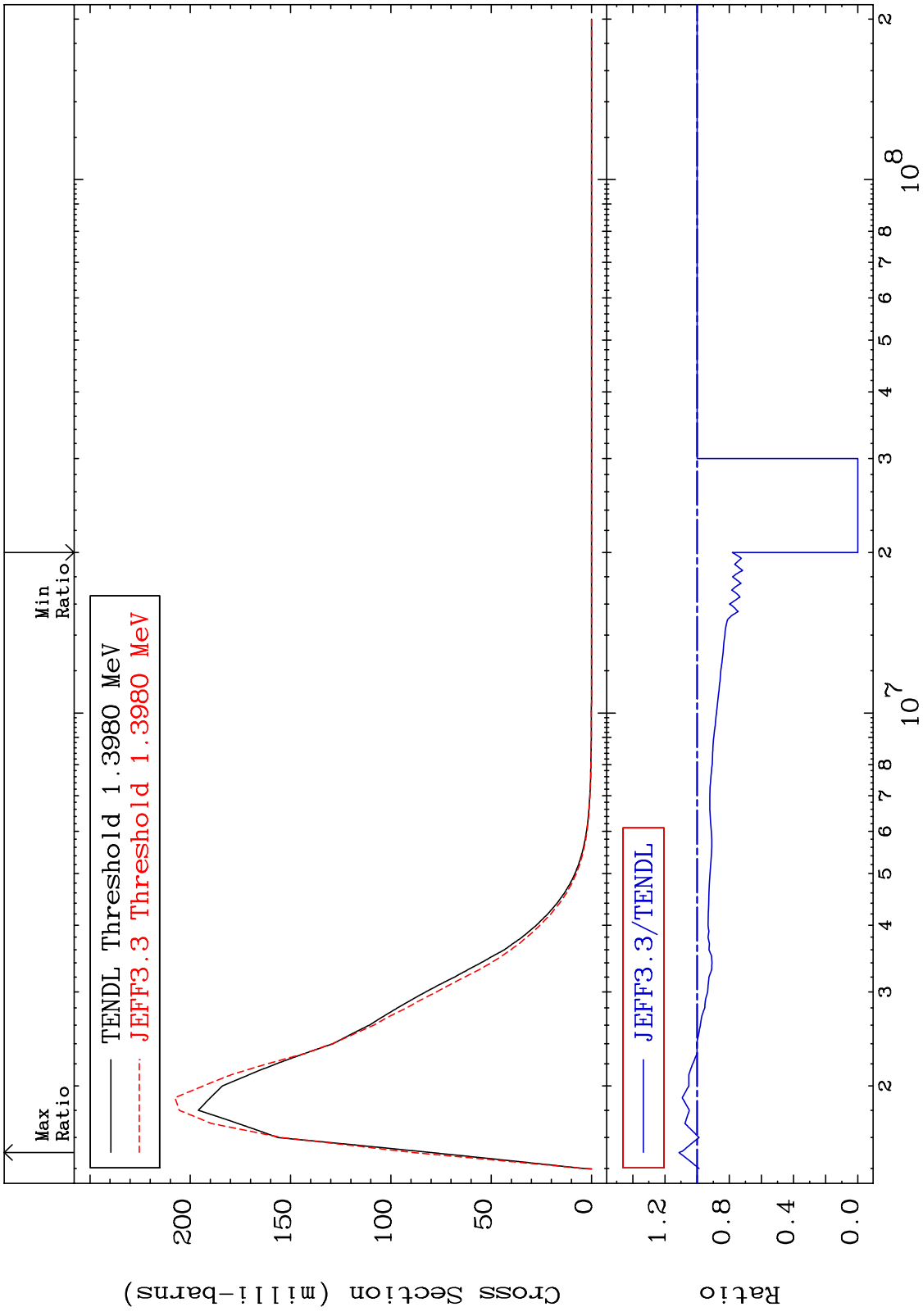


MAT 4031 MT= 51 (n,n') Level Cross Section -100.0 To 18.06 % 40-Zr-92

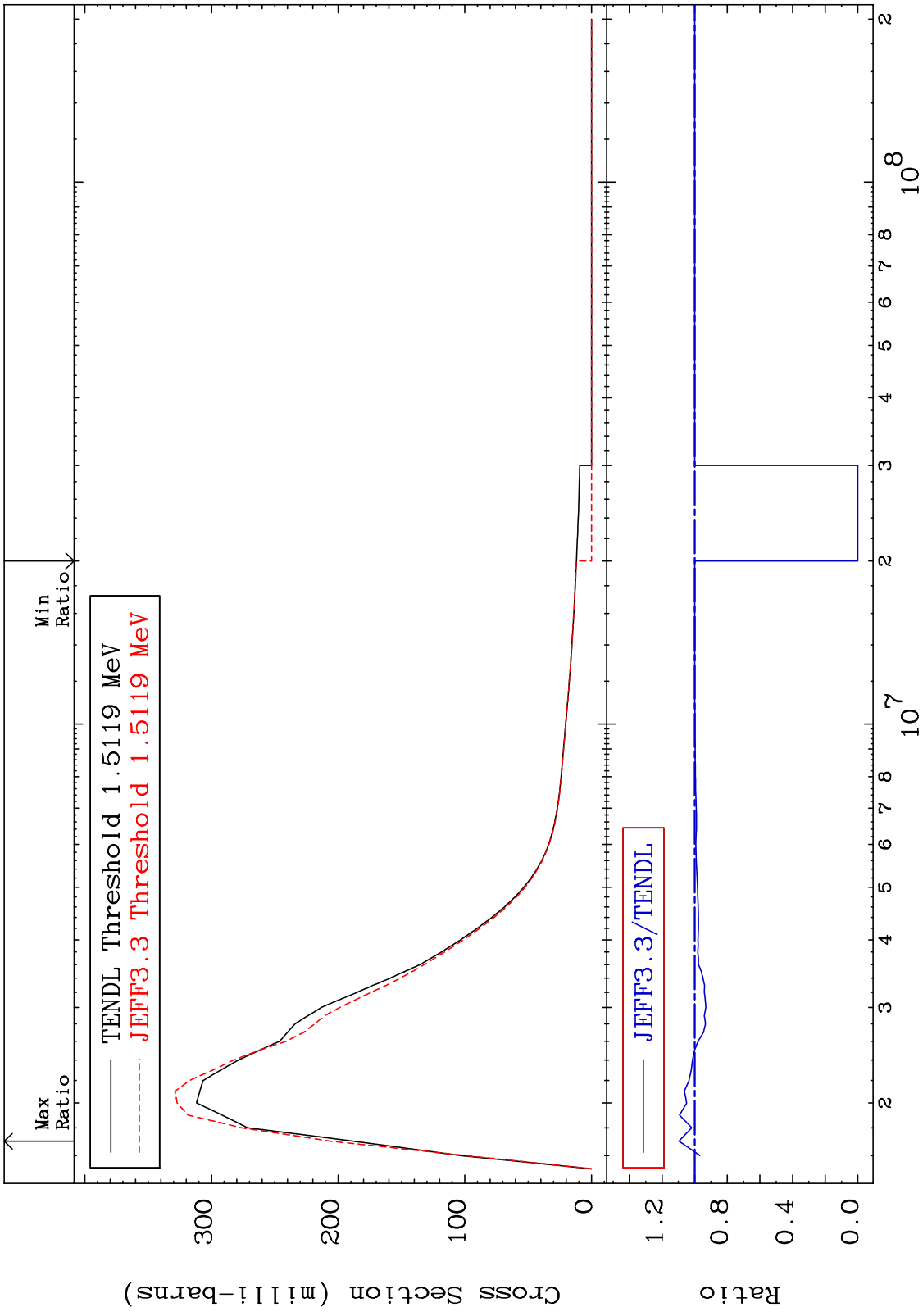


11 Incident Energy (eV) 40-Zr-92

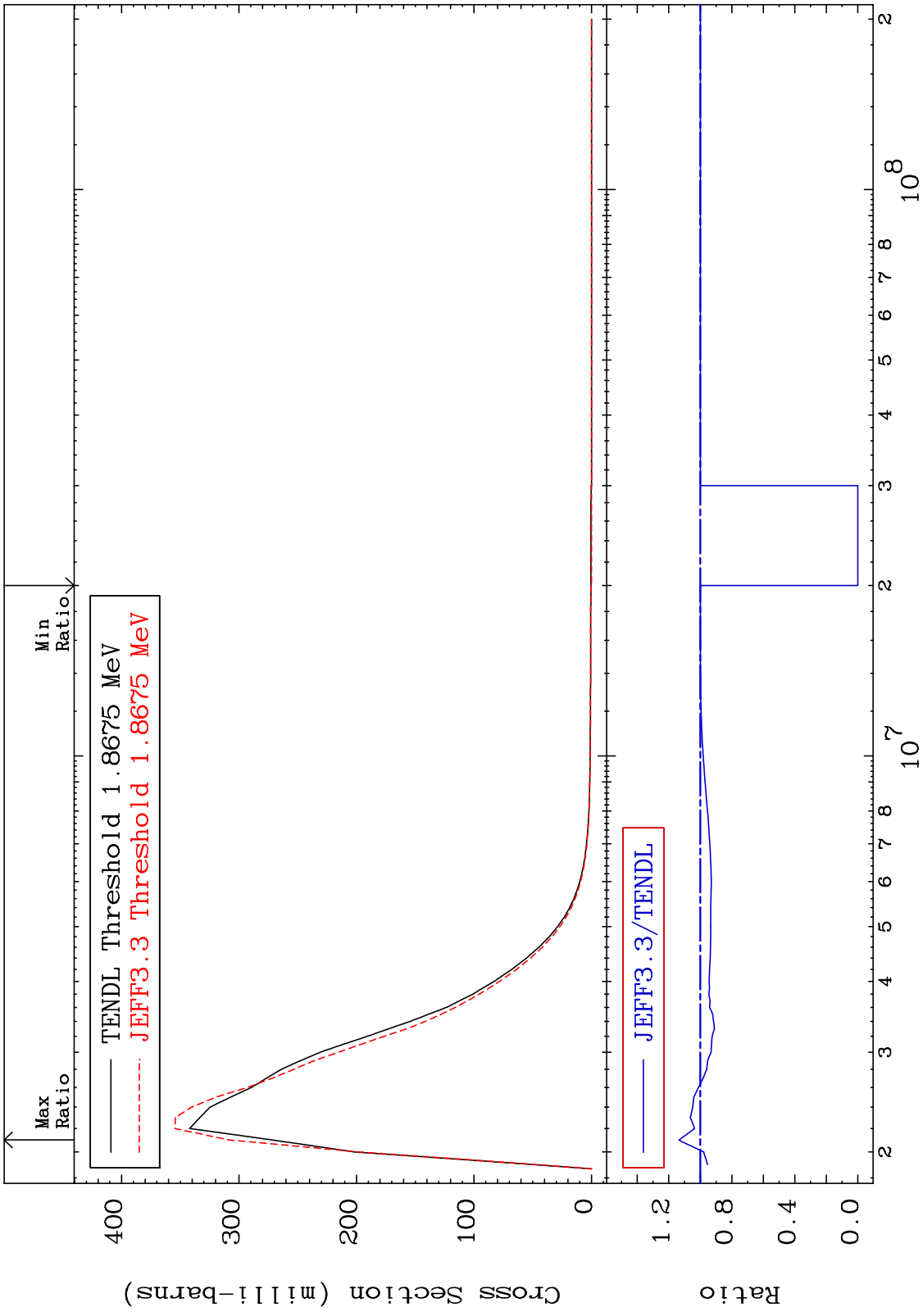
MAT 4031 MT= 52 (n, n') Level Cross Section 40-Zr-92
 -100.0 To 11.25 %



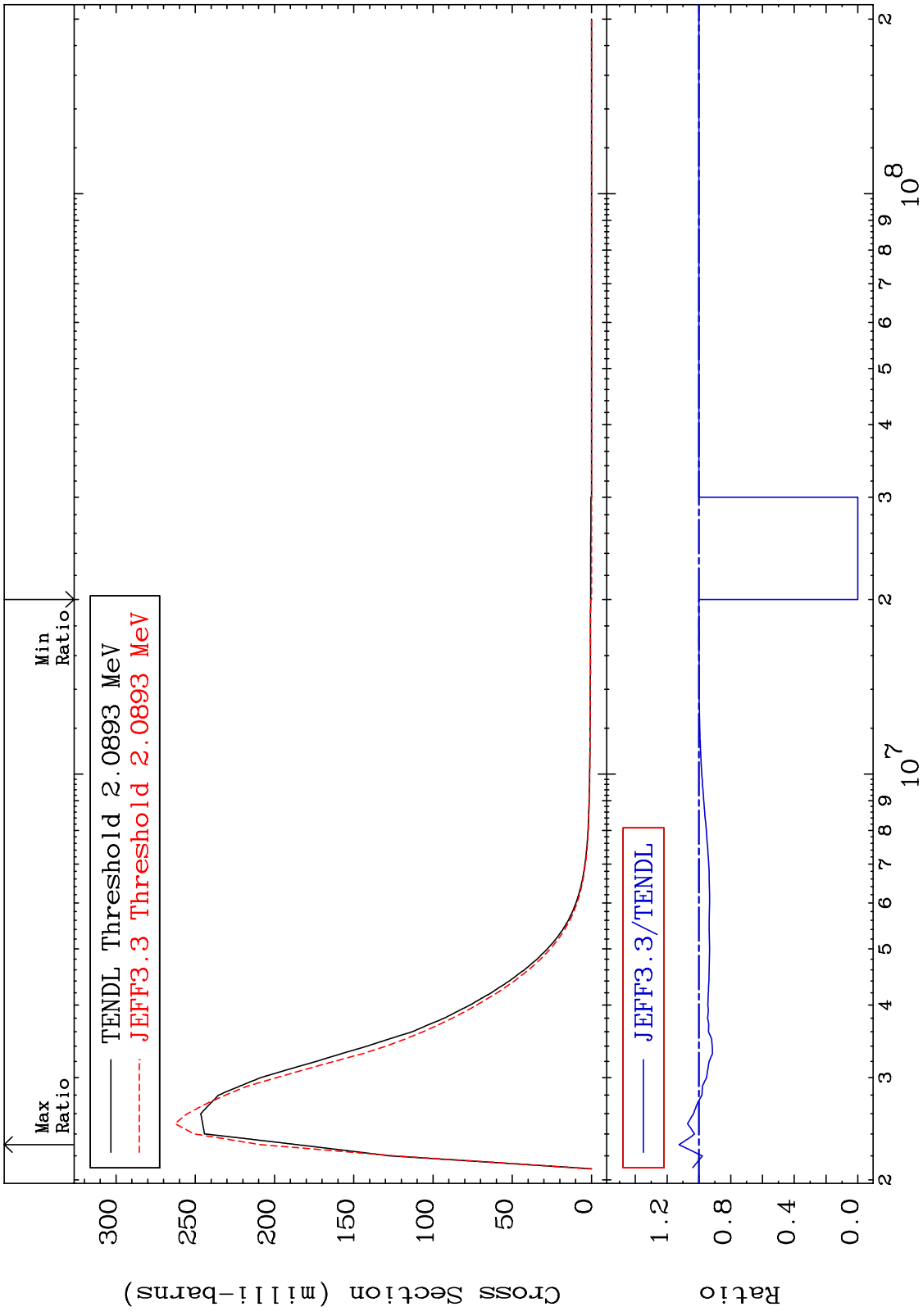
MAT 4031 MT= 53 (n, n') Level Cross Section 40-Zr-92
 -100.0 To 9.583 %



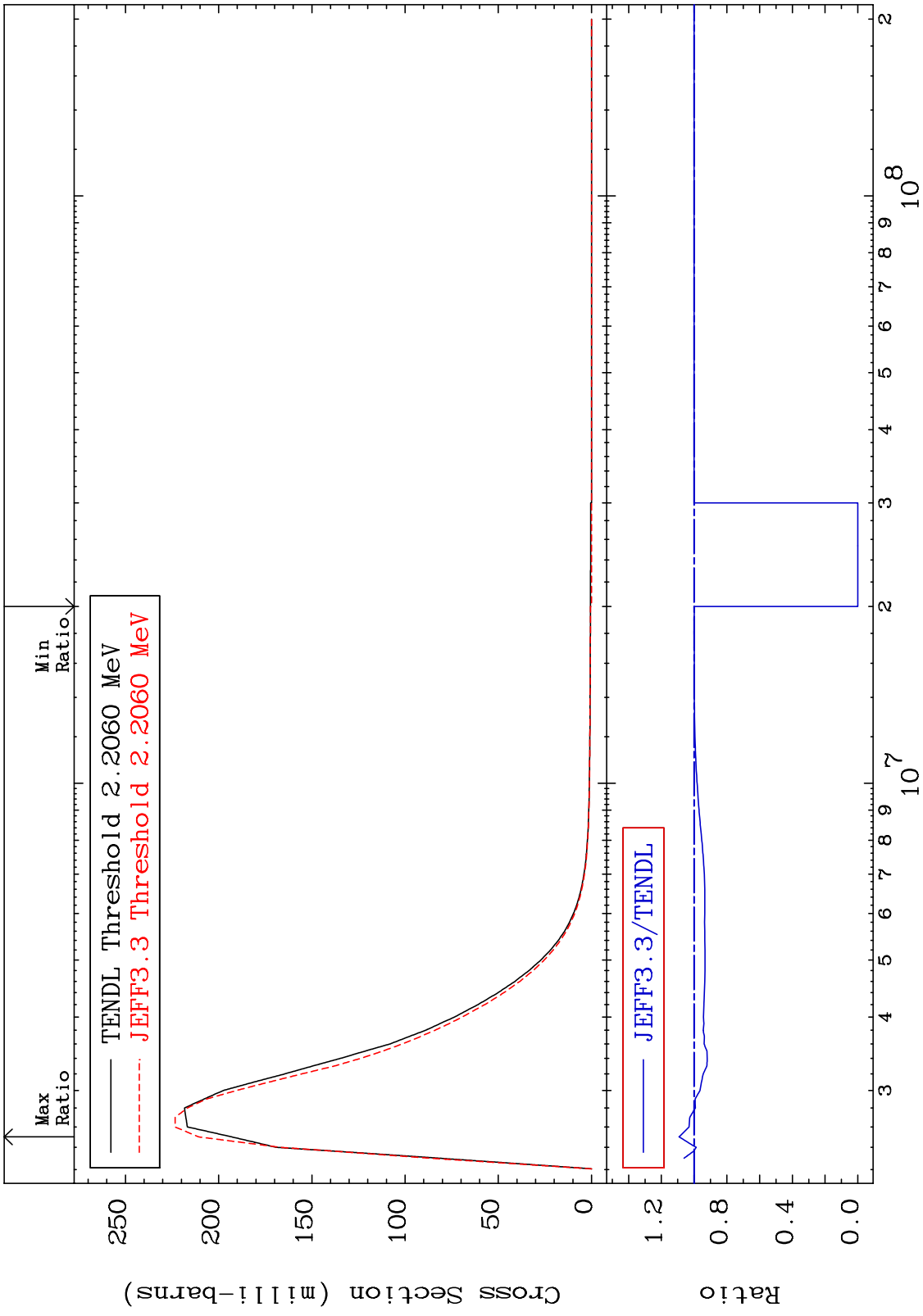
MAT 4031 MT= 54 (n,n') Level Cross Section 40-Zr-92
 -100.0 To 13.49 %



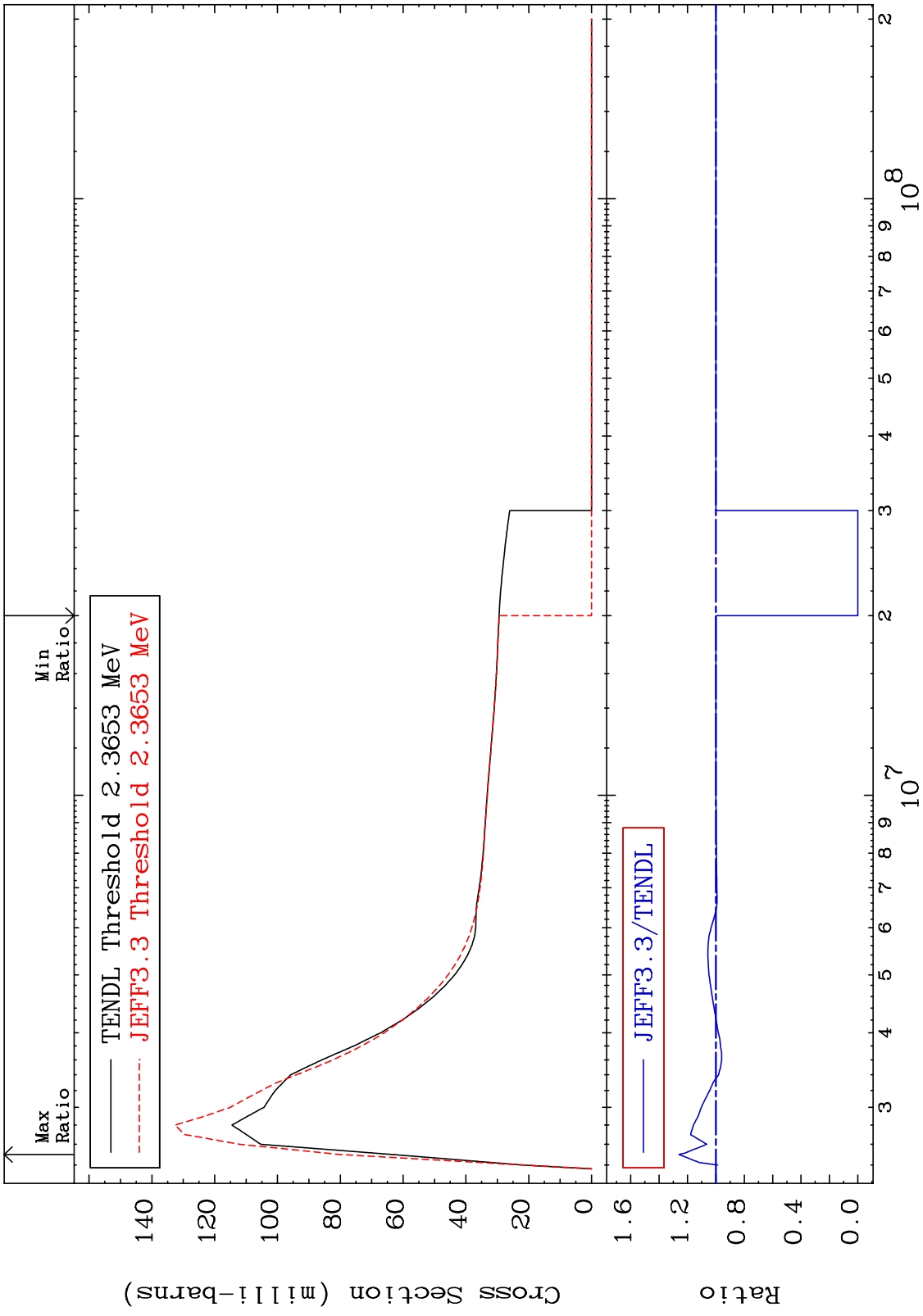
MAT 4031 MT= 55 (n,n') Level Cross Section -100.0 To 12.49 % 40-Zr-92



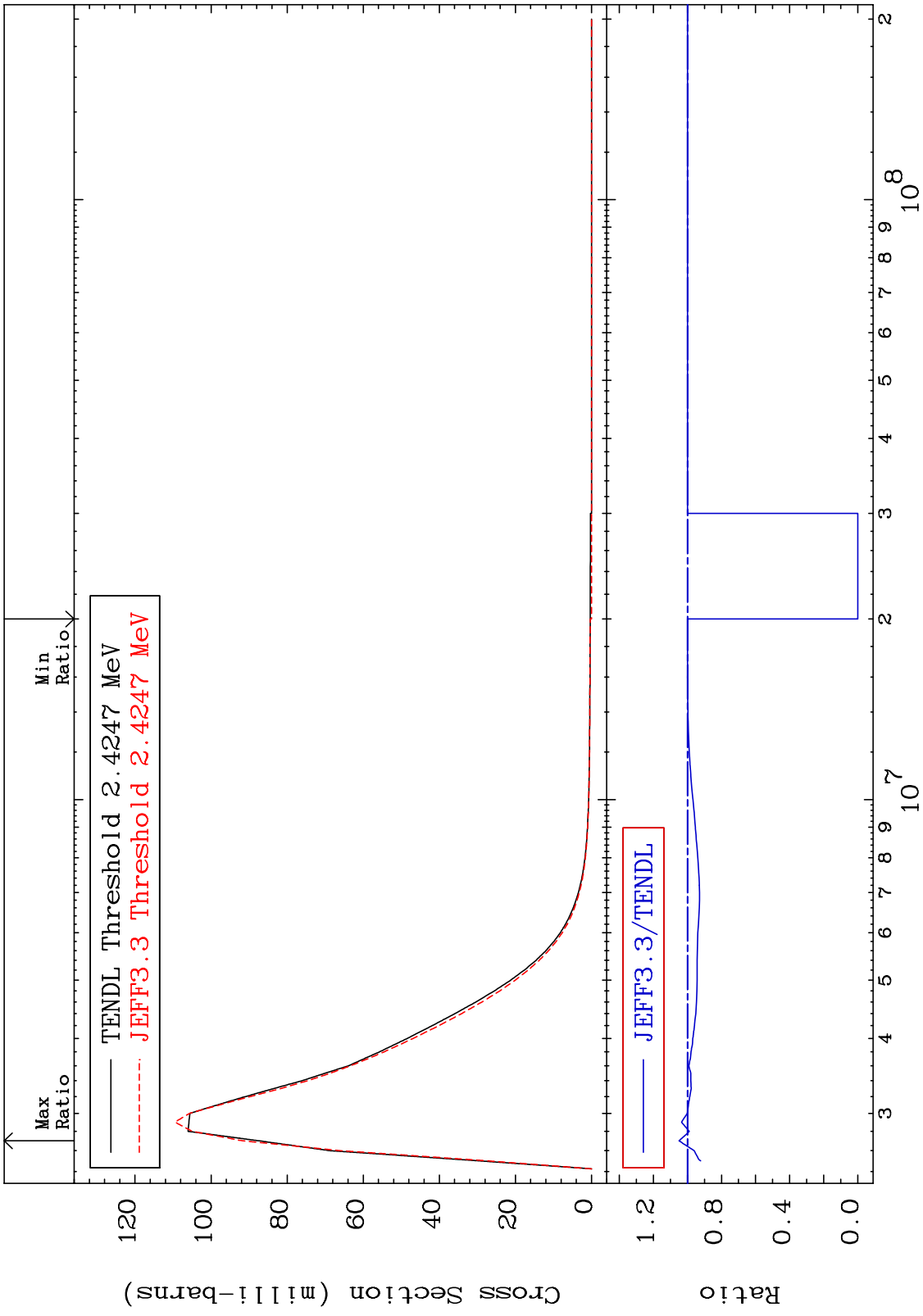
MAT 4031 MT= 56 (n,n') Level Cross Section -100.0 To 9.209 % 40-Zr-92



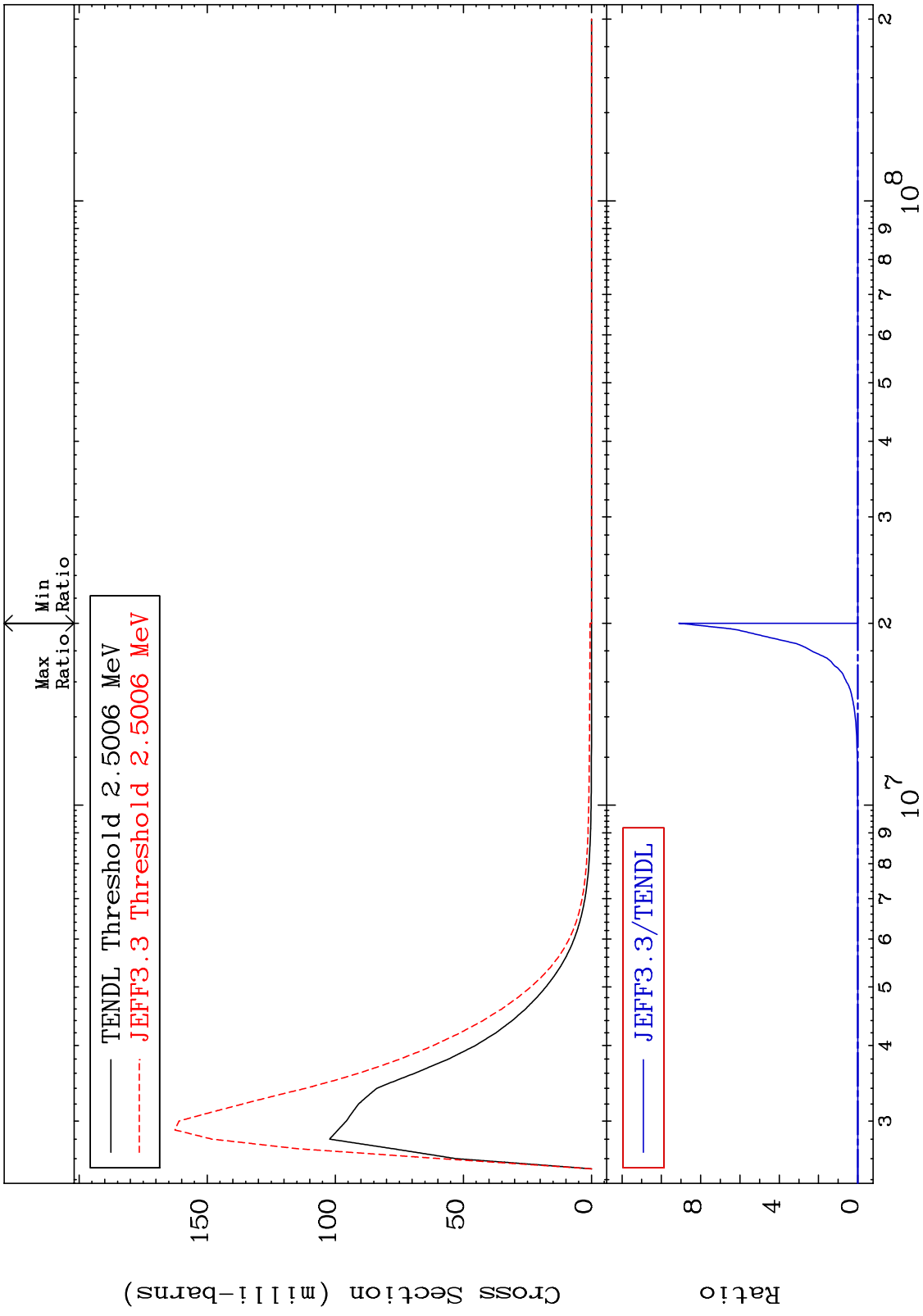
MAT 4031 MT= 57 (n,n') Level Cross Section -100.0 To 25.95 % 40-Zr-92



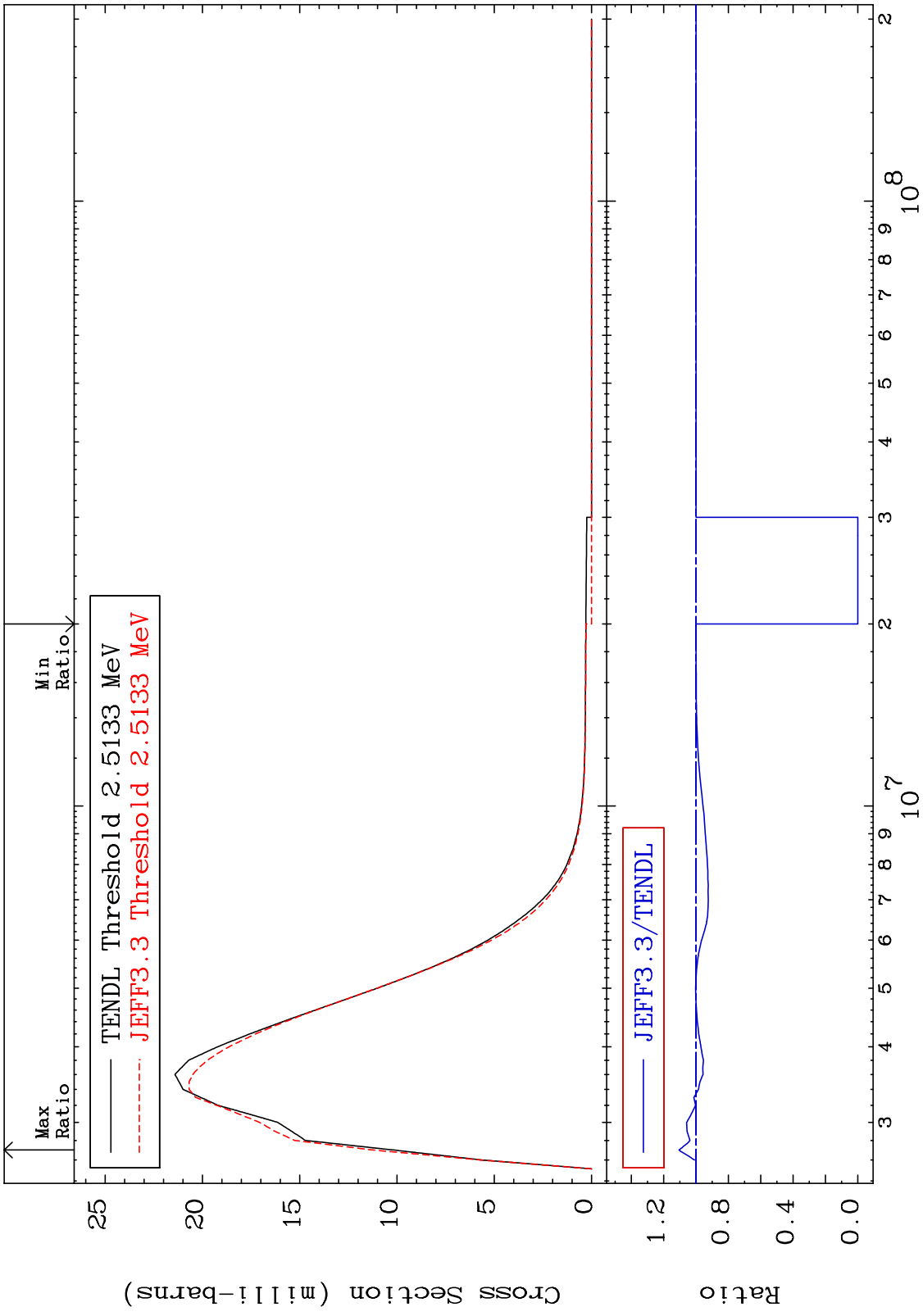
MAT 4031 MT= 58 (n,n') Level 40-Zr-92
 Cross Section -100.0 To 4.911 %



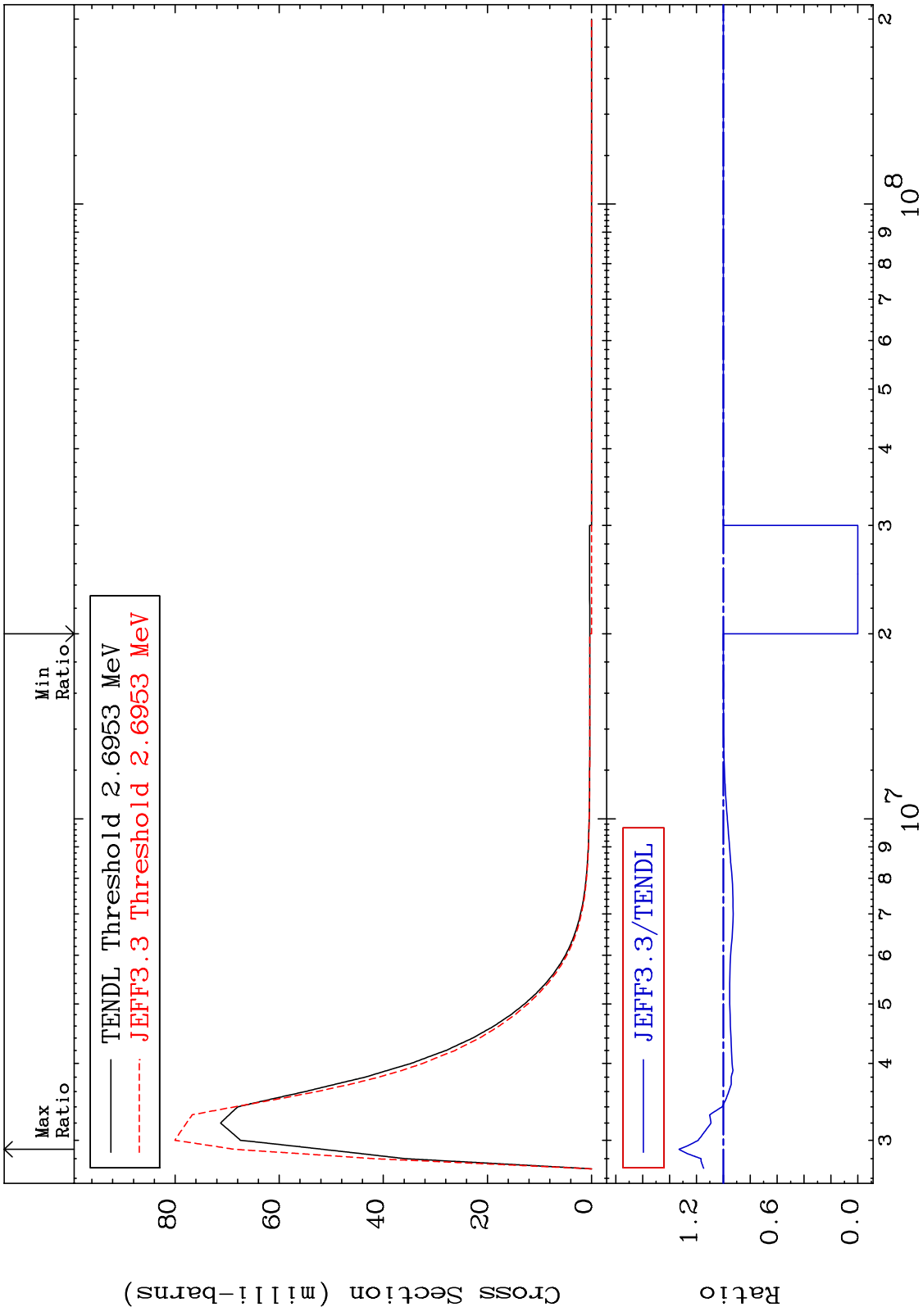
MAT 4031 MT= 59 (n,n') Level Cross Section -100.0 To 9999. % 40-Zr-92



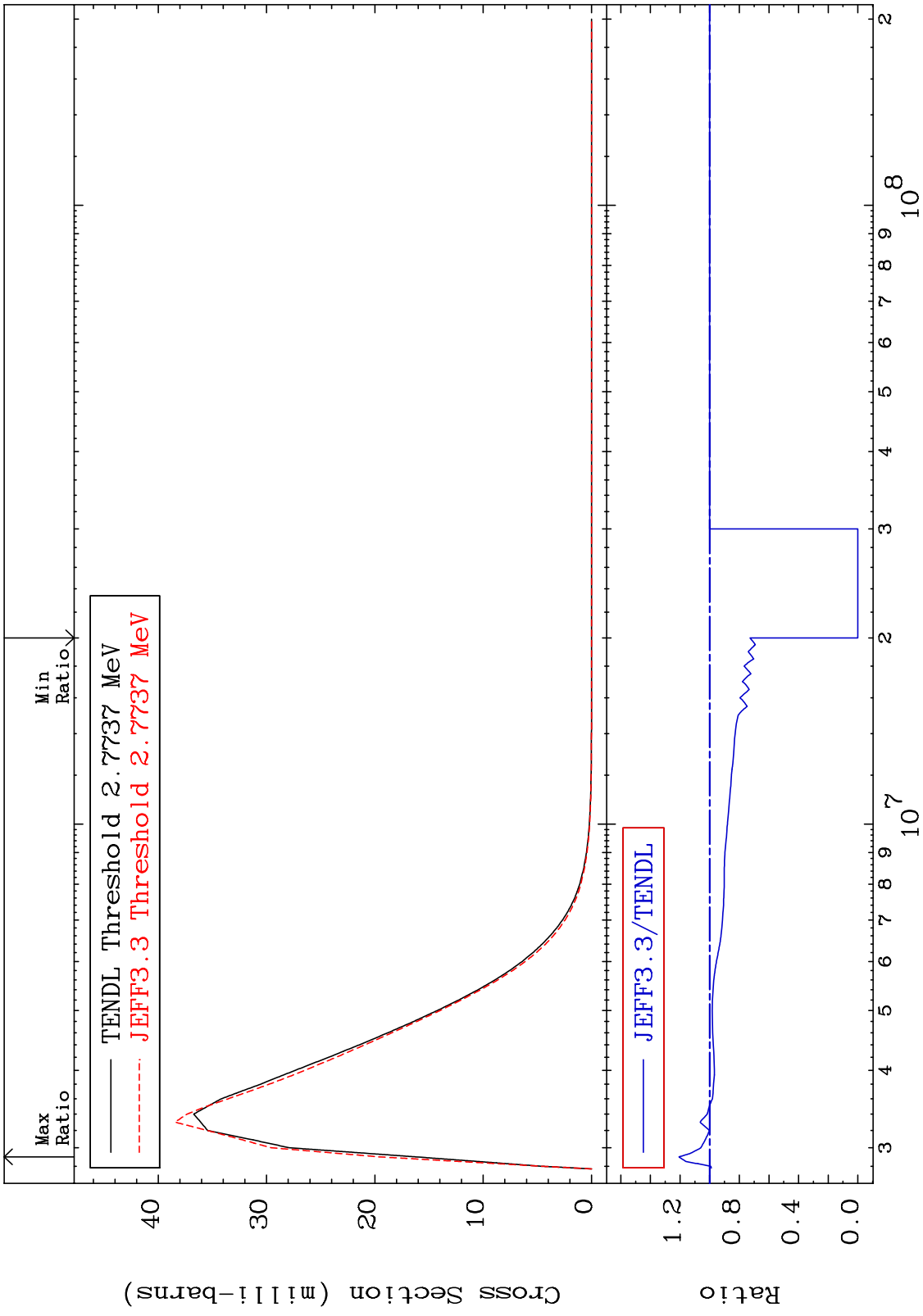
MAT 4031 MT= 60 (n,n') Level Cross Section 40-Zr-92
 -100.0 To 10.47 %



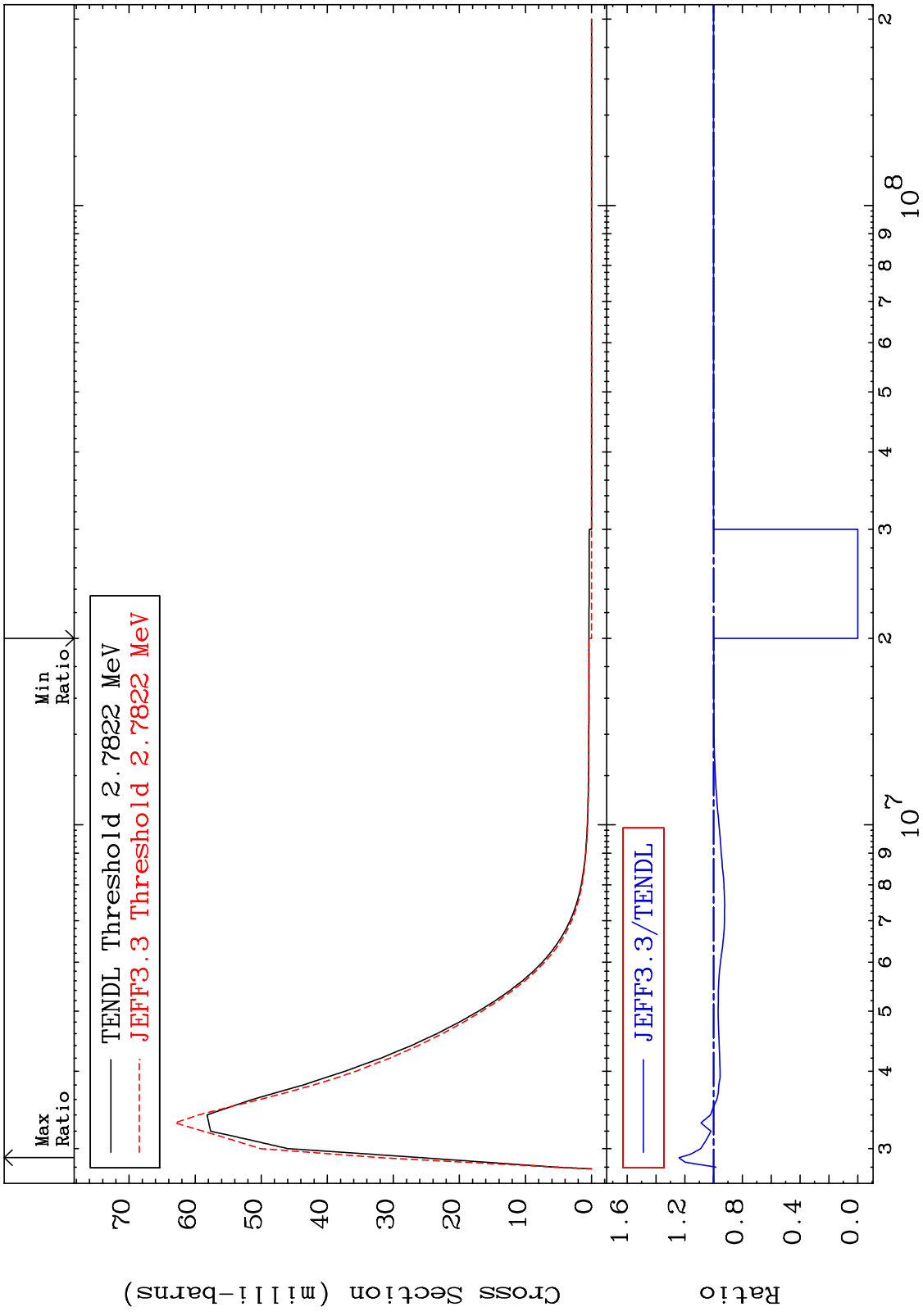
MAT 4031 MT= 61 (n,n') Level Cross Section -100.0 To 32.91 % 40-Zr-92



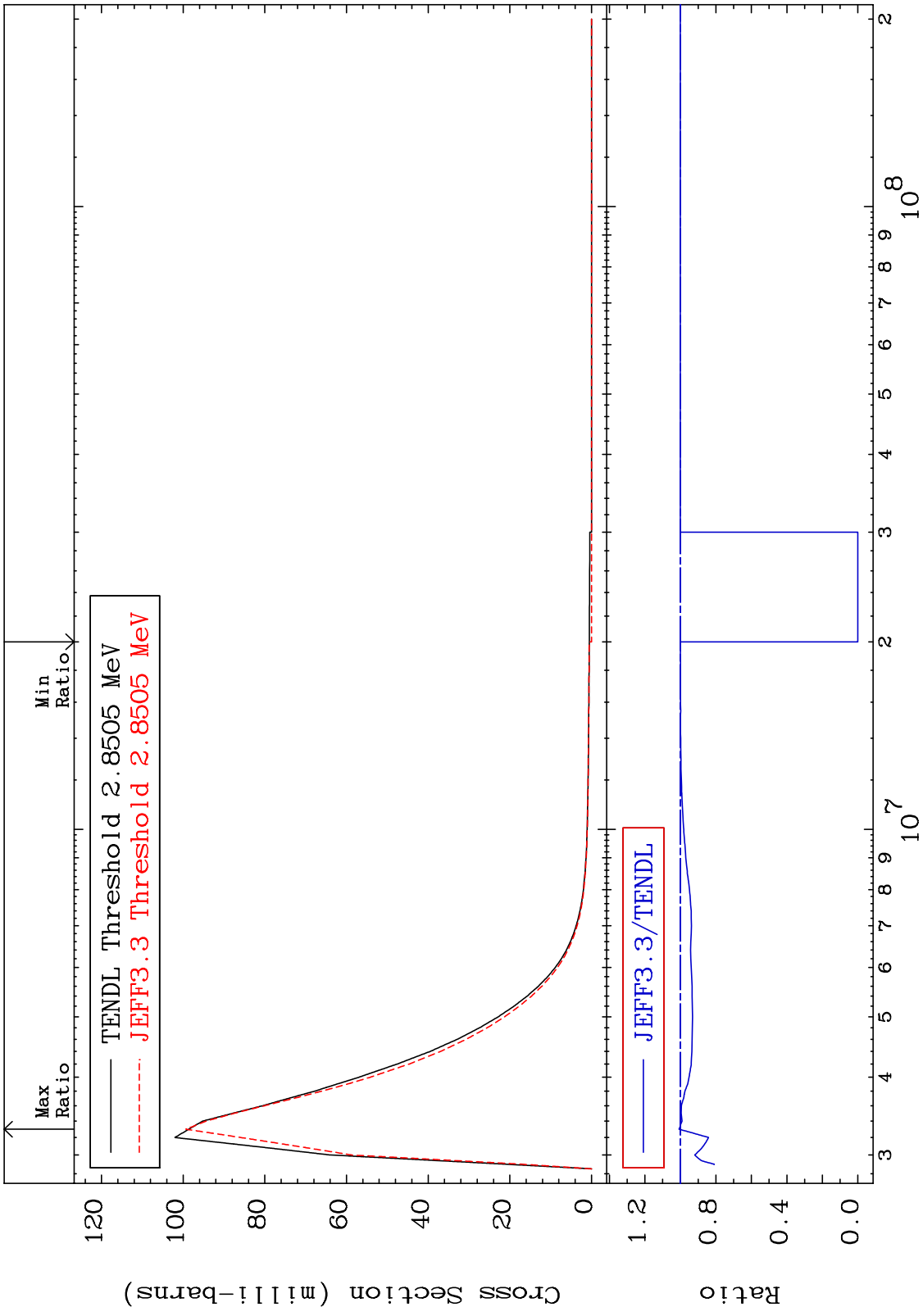
MAT 4031 MT= 62 (n,n') Level Cross Section -100.0 To 20.67 % 40-Zr-92



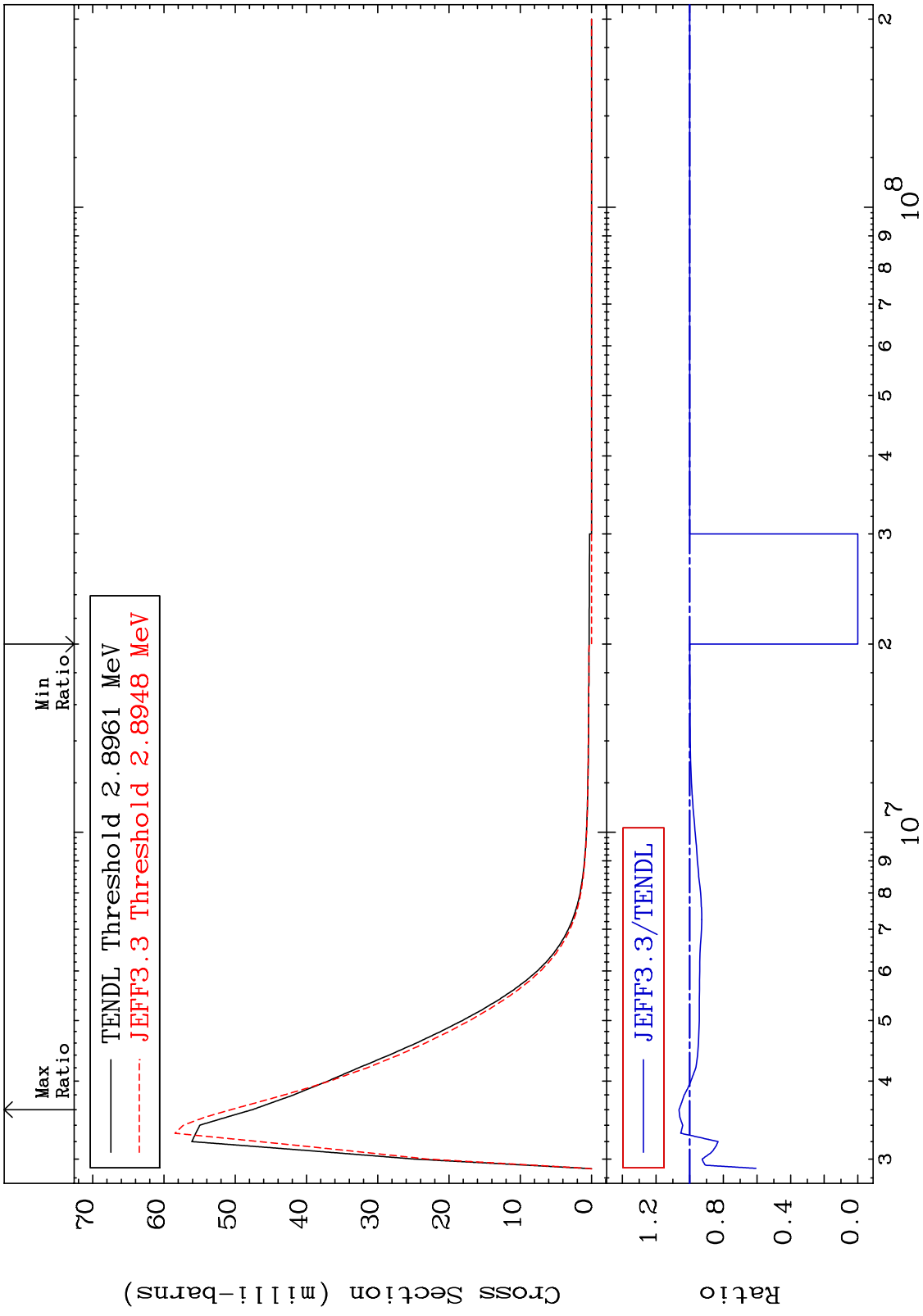
MAT 4031 MT= 63 (n,n') Level Cross Section -100.0 To 23.97 % 40-Zr-92



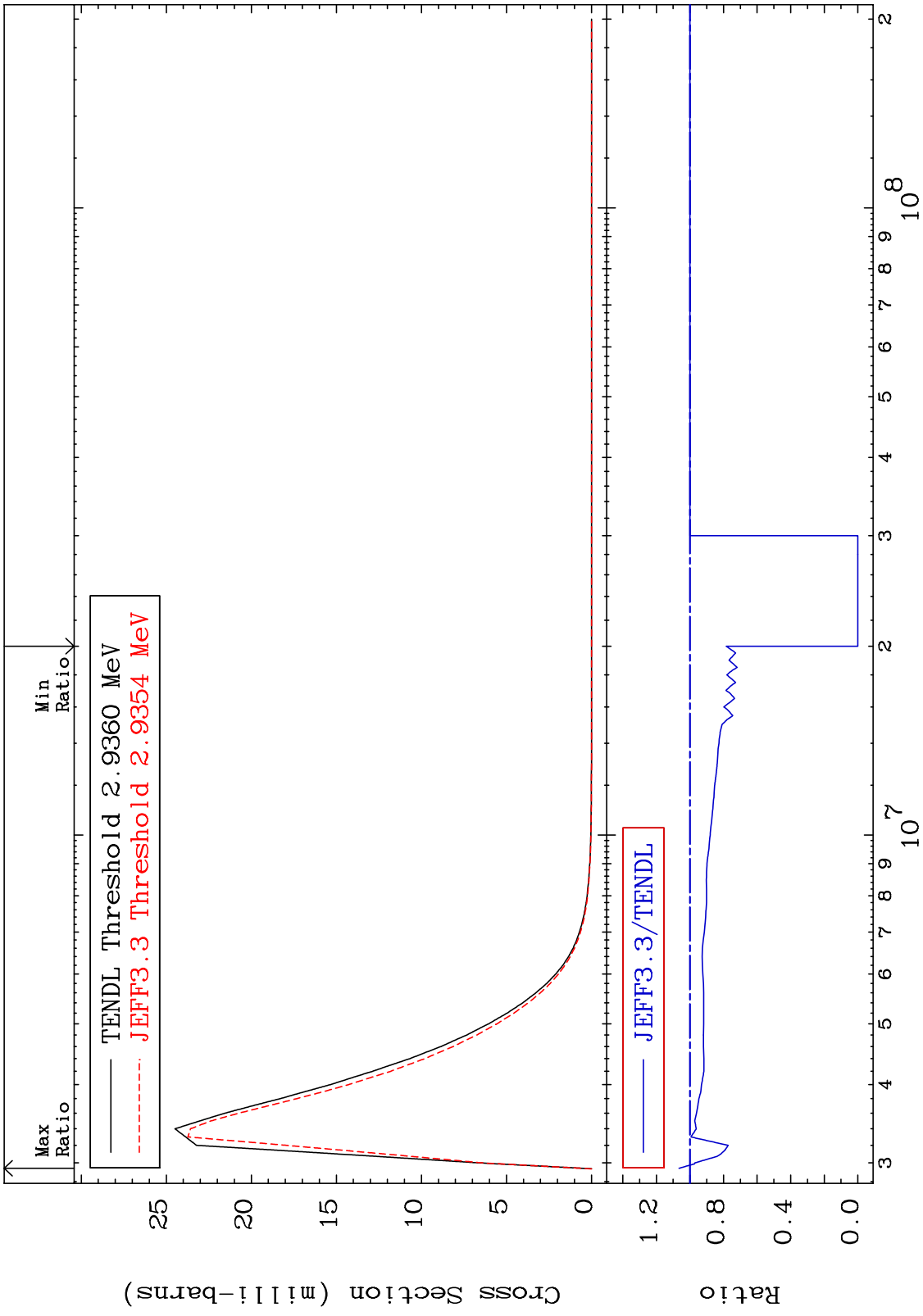
MAT 4031 MT= 64 (n,n') Level Cross Section -100.0 To 0.754 % 40-Zr-92



MAT 4031 MT= 65 (n,n') Level Cross Section -100.0 To 6.342 % 40-Zr-92



MAT 4031 MT= 66 (n,n') Level Cross Section -100.0 To 6.508 % 40-Zr-92

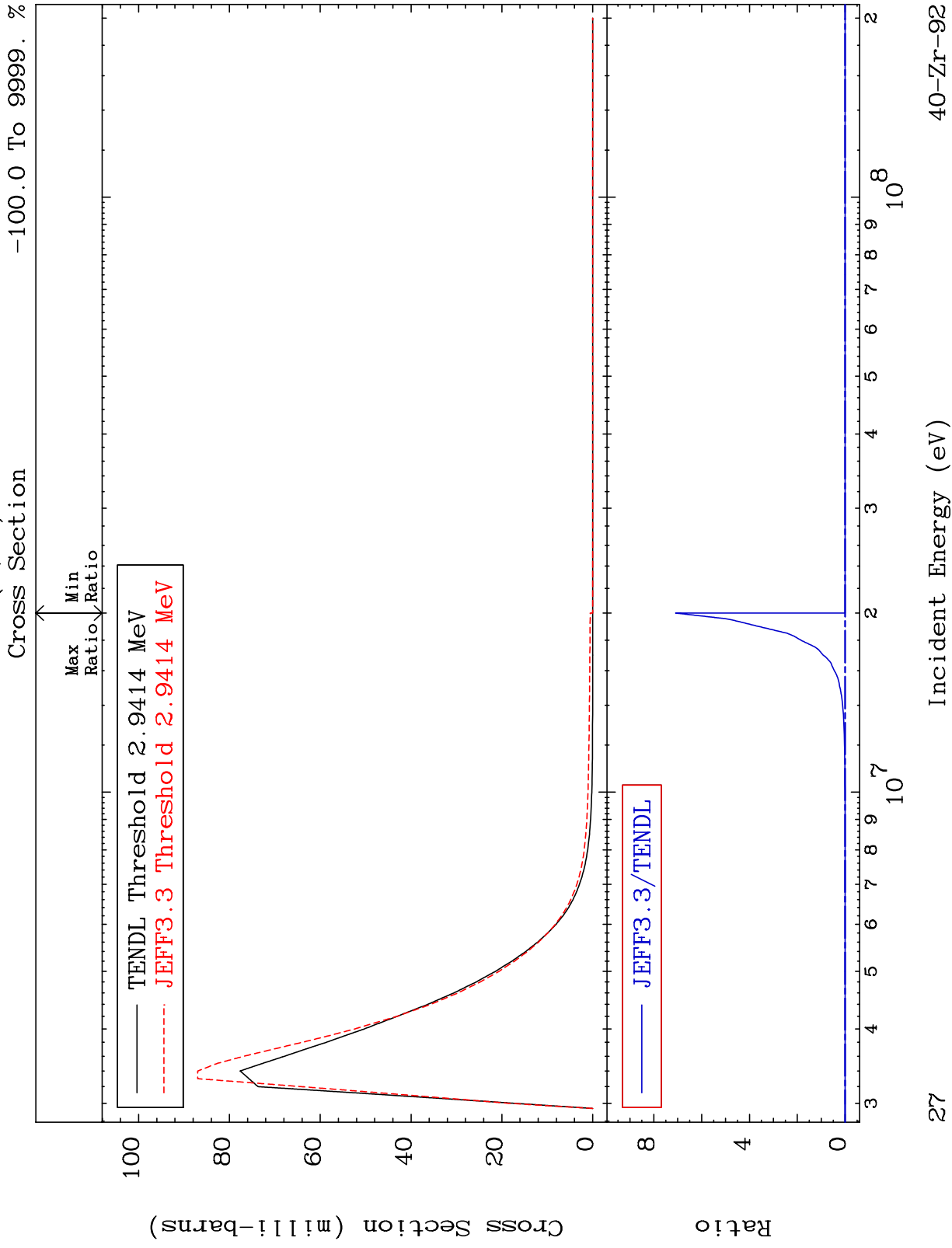


MAT 4031

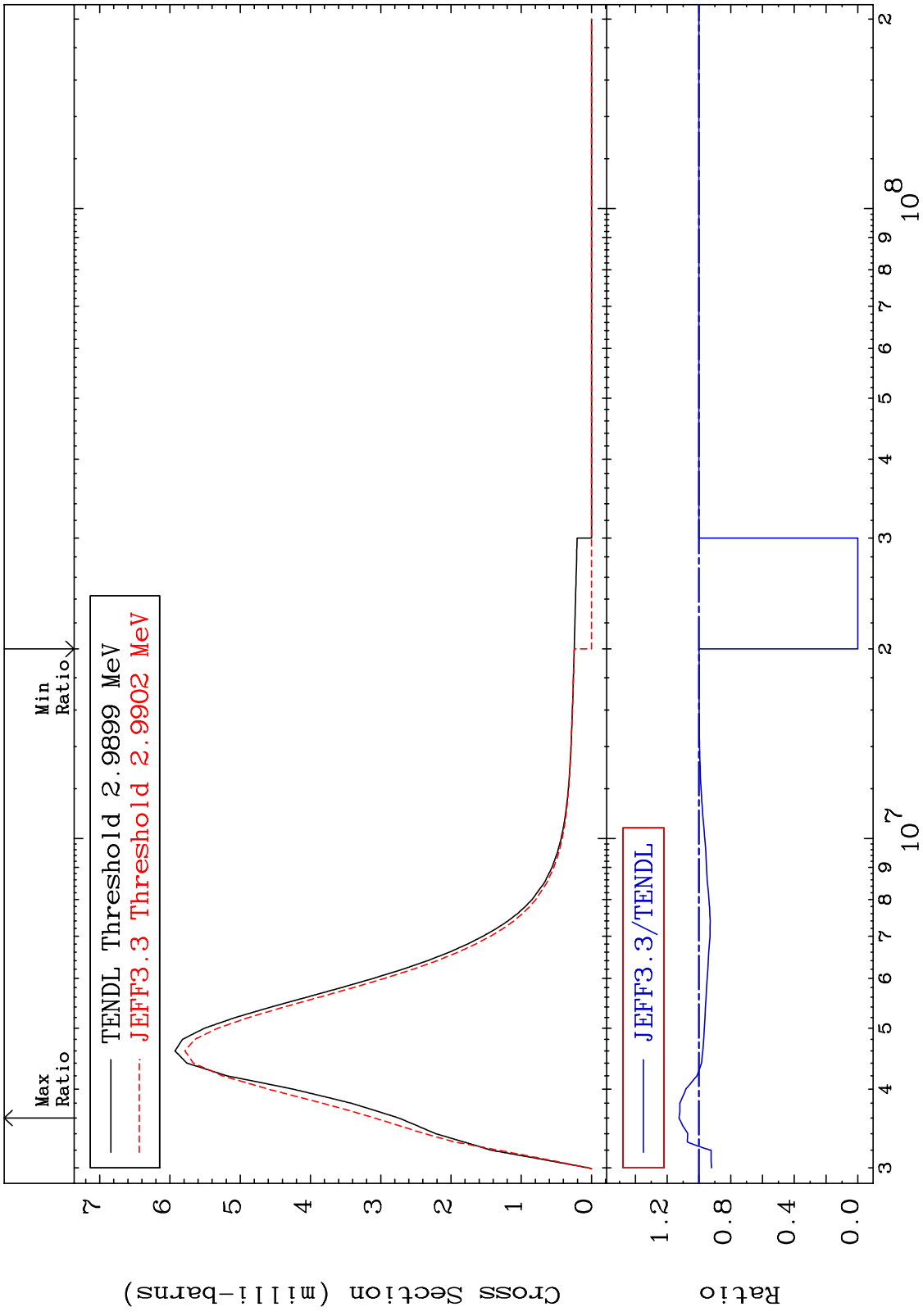
MT= 67 (n,n') Level

40-Zr-92

-100.0 To 9999. %

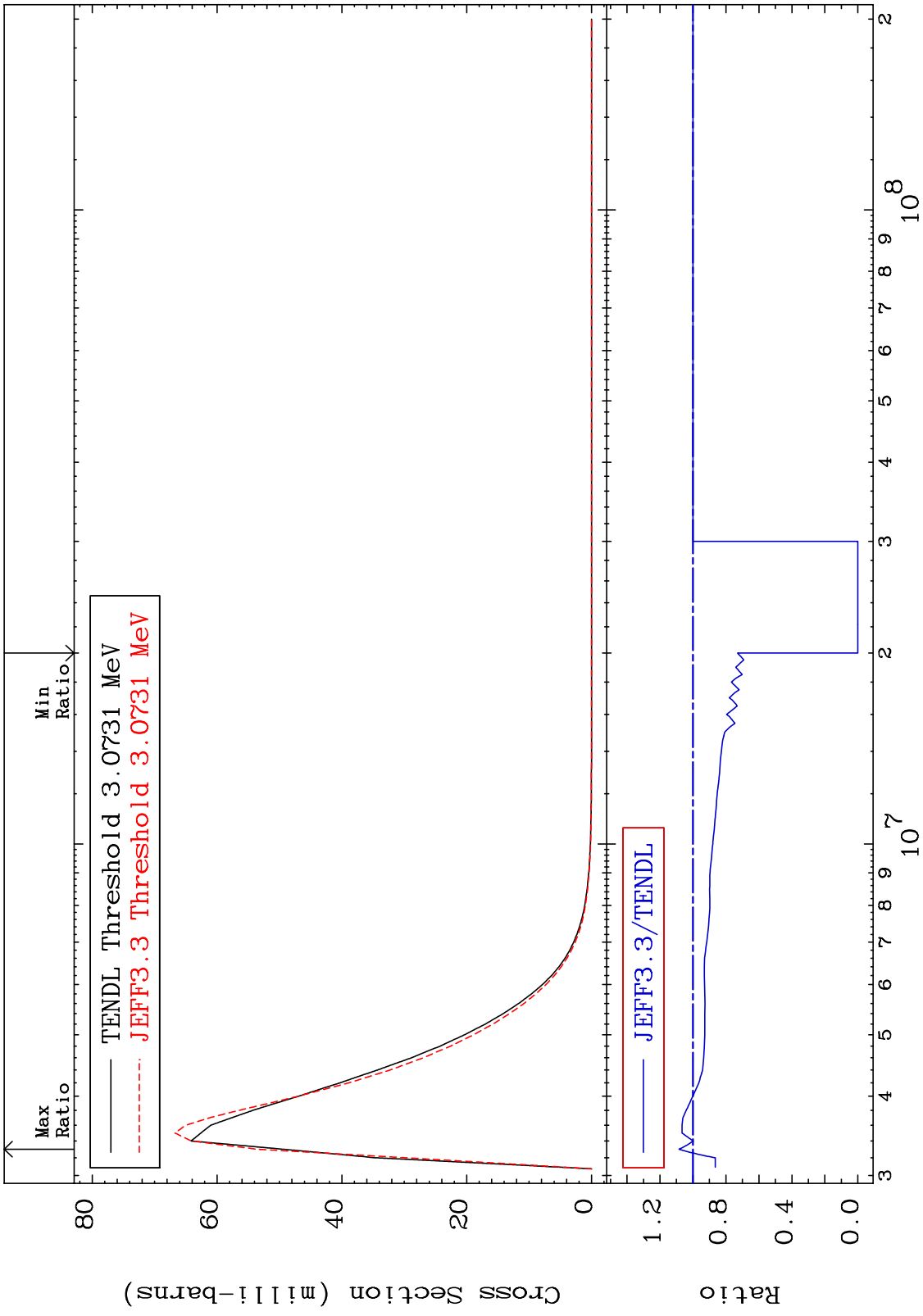


MAT 4031 MT= 68 (n,n') Level Cross Section -100.0 To 12.53 % 40-Zr-92

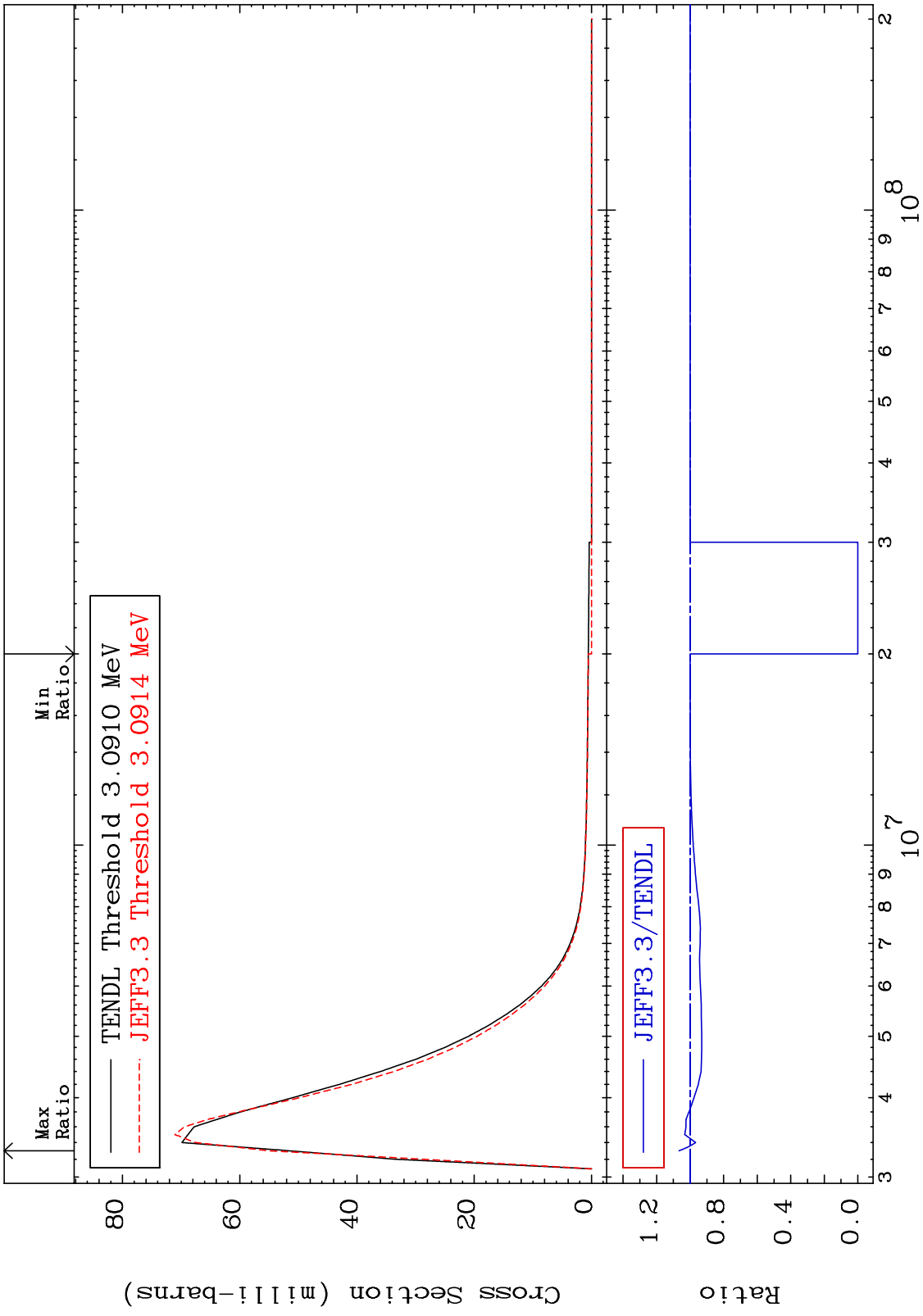


Incident Energy (eV) 40-Zr-92

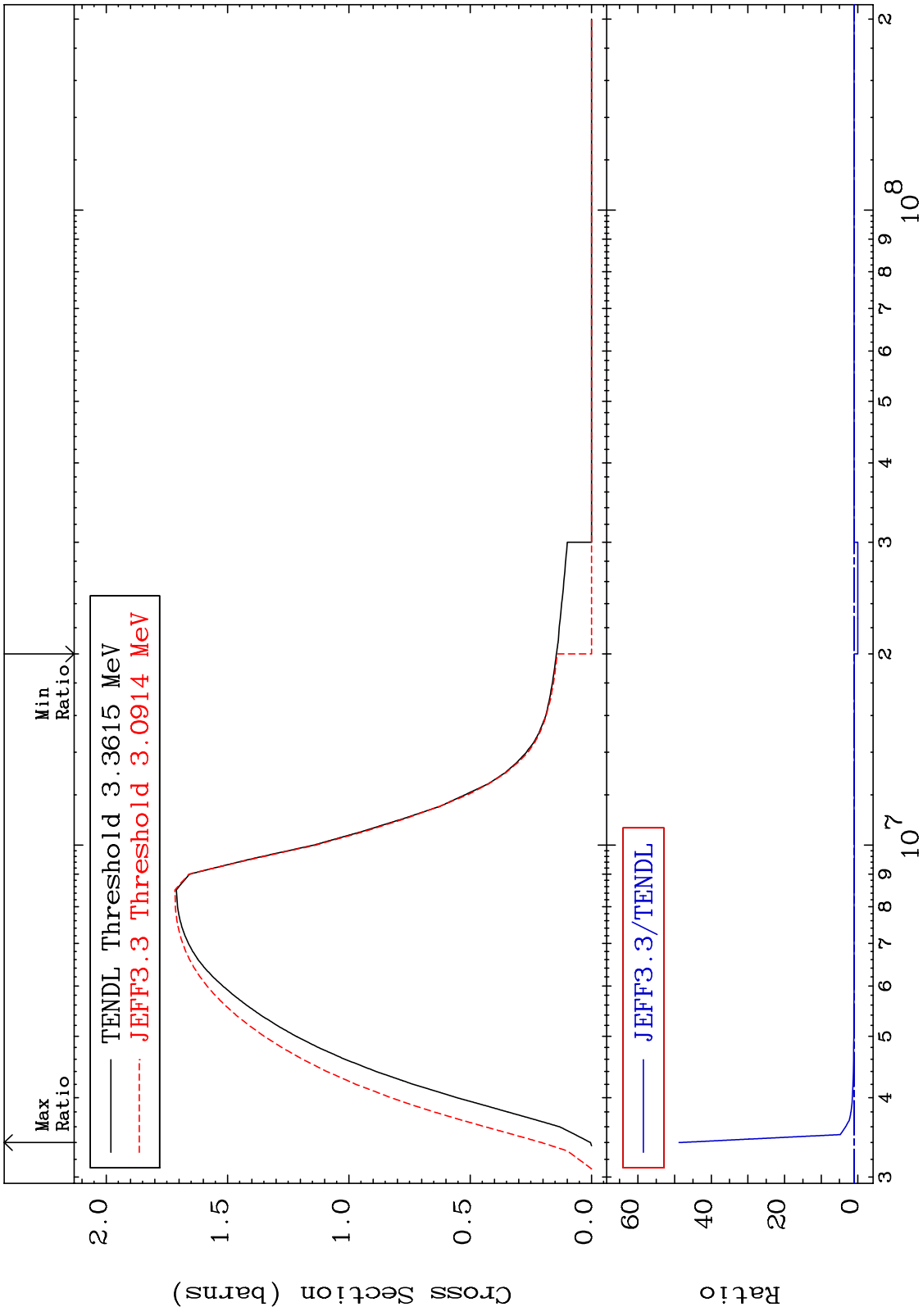
MAT 4031 MT= 69 (n,n') Level Cross Section -100.0 To 8.434 % 40-Zr-92



MAT 4031 MT= 70 (n,n') Level 40-Zr-92
 Cross Section -100.0 To 6.608 %



MAT 4031 (n,n') Continuum Cross Section -100.0 To 4778. % 40-Zr-92



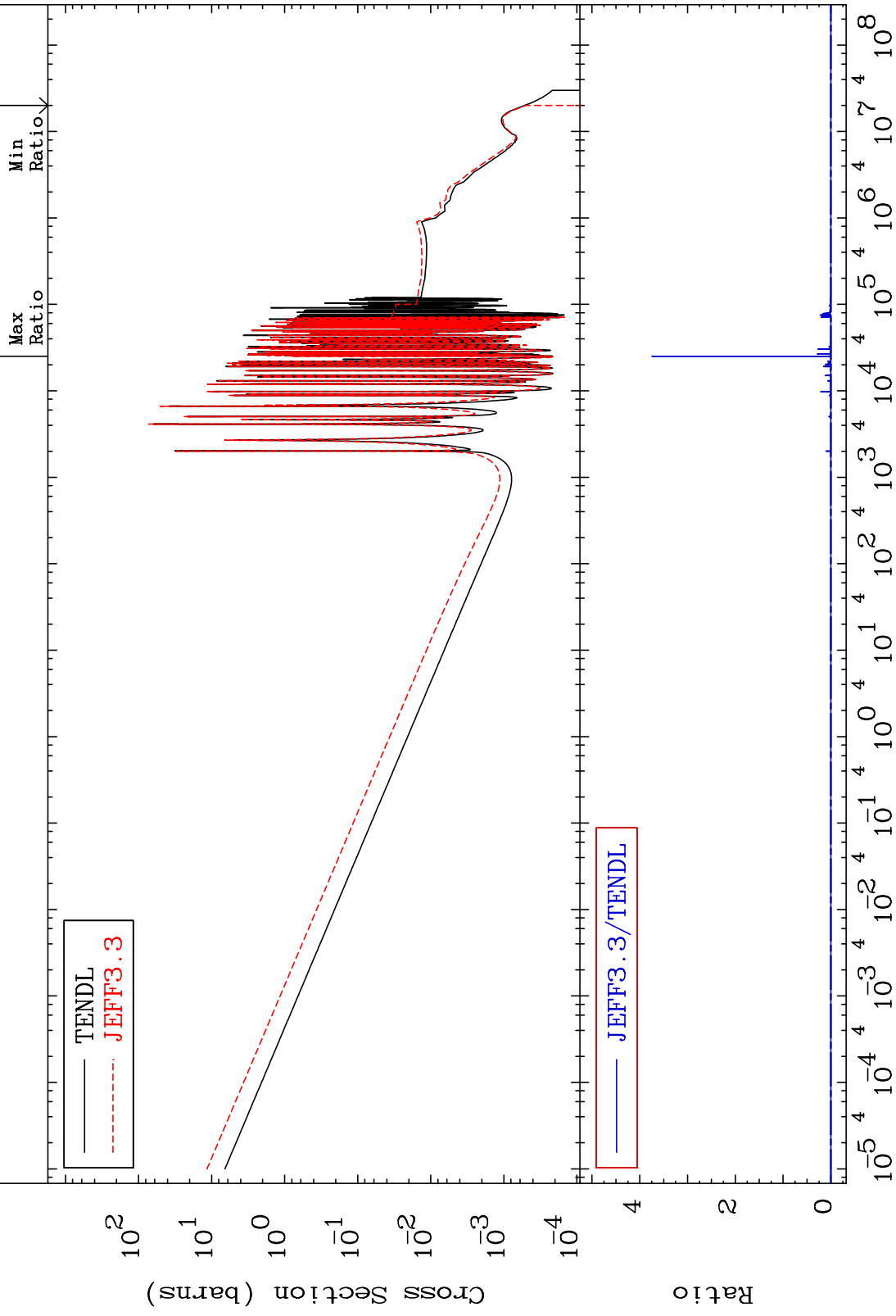
MAT 4031

(n, γ)

40-Zr-92

Cross Section

-100.0 To 9999. %

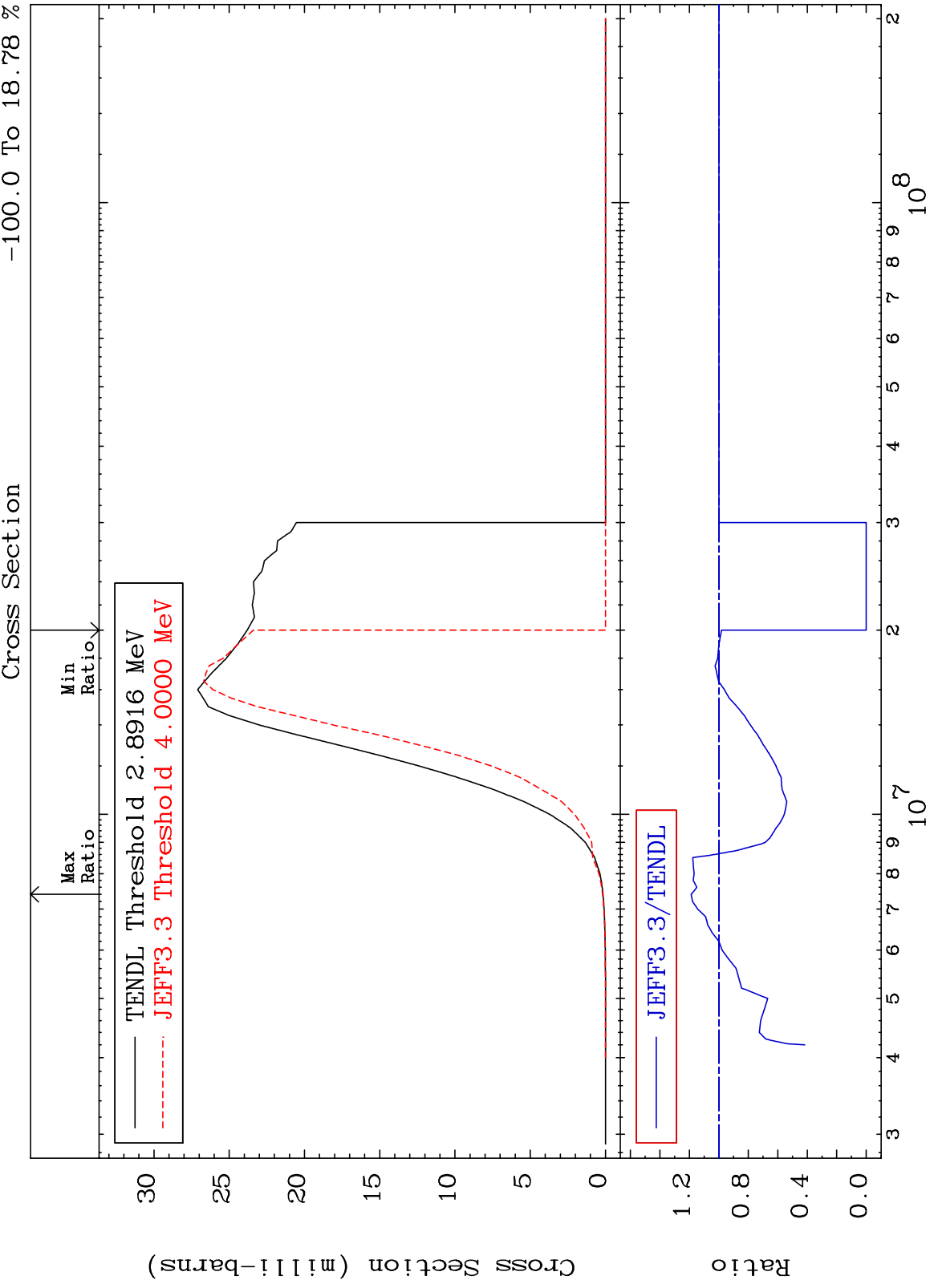


32

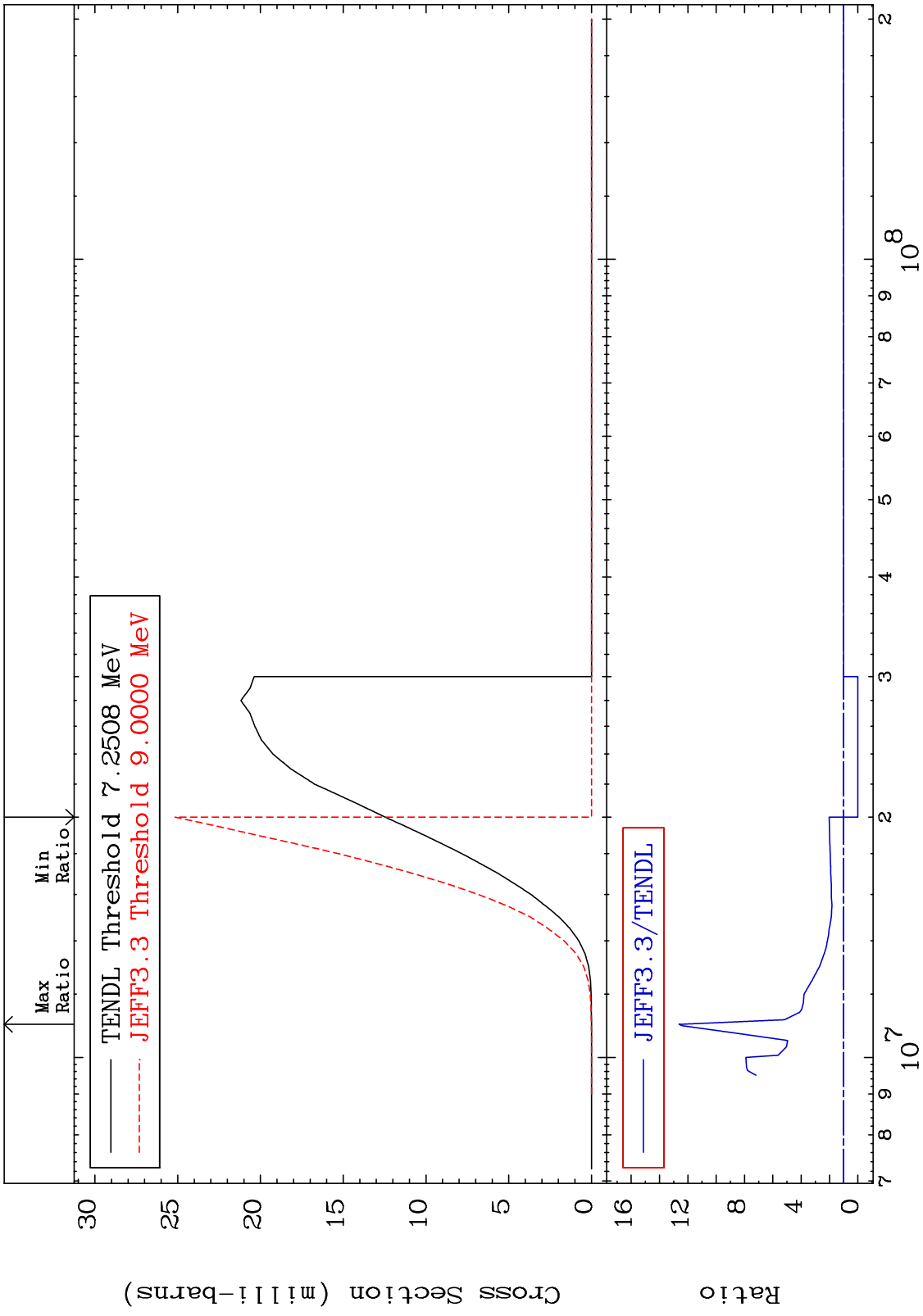
Incident Energy (eV)

40-Zr-92

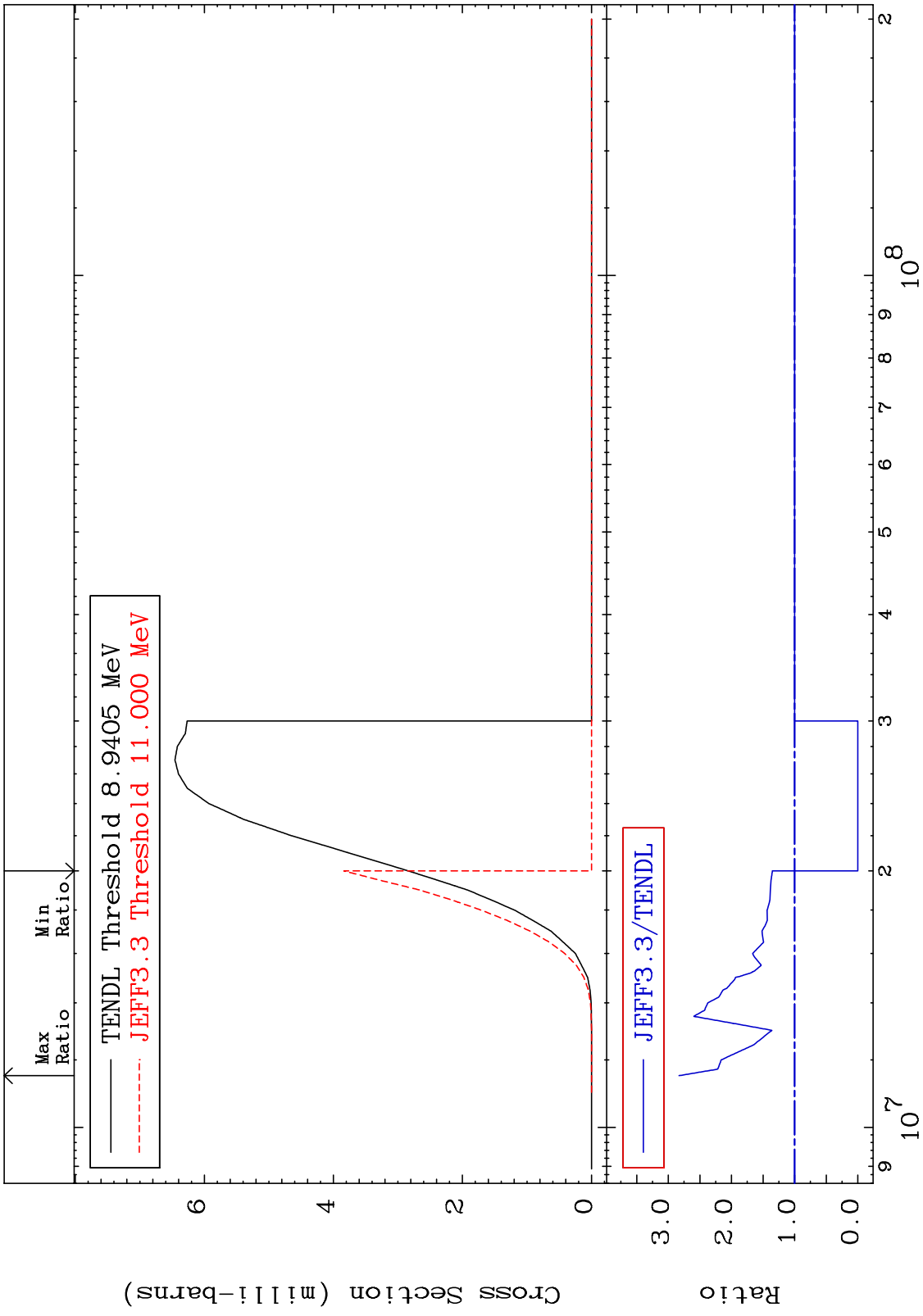
MAT 4031 40-Zr-92
-100.0 To 18.78 %

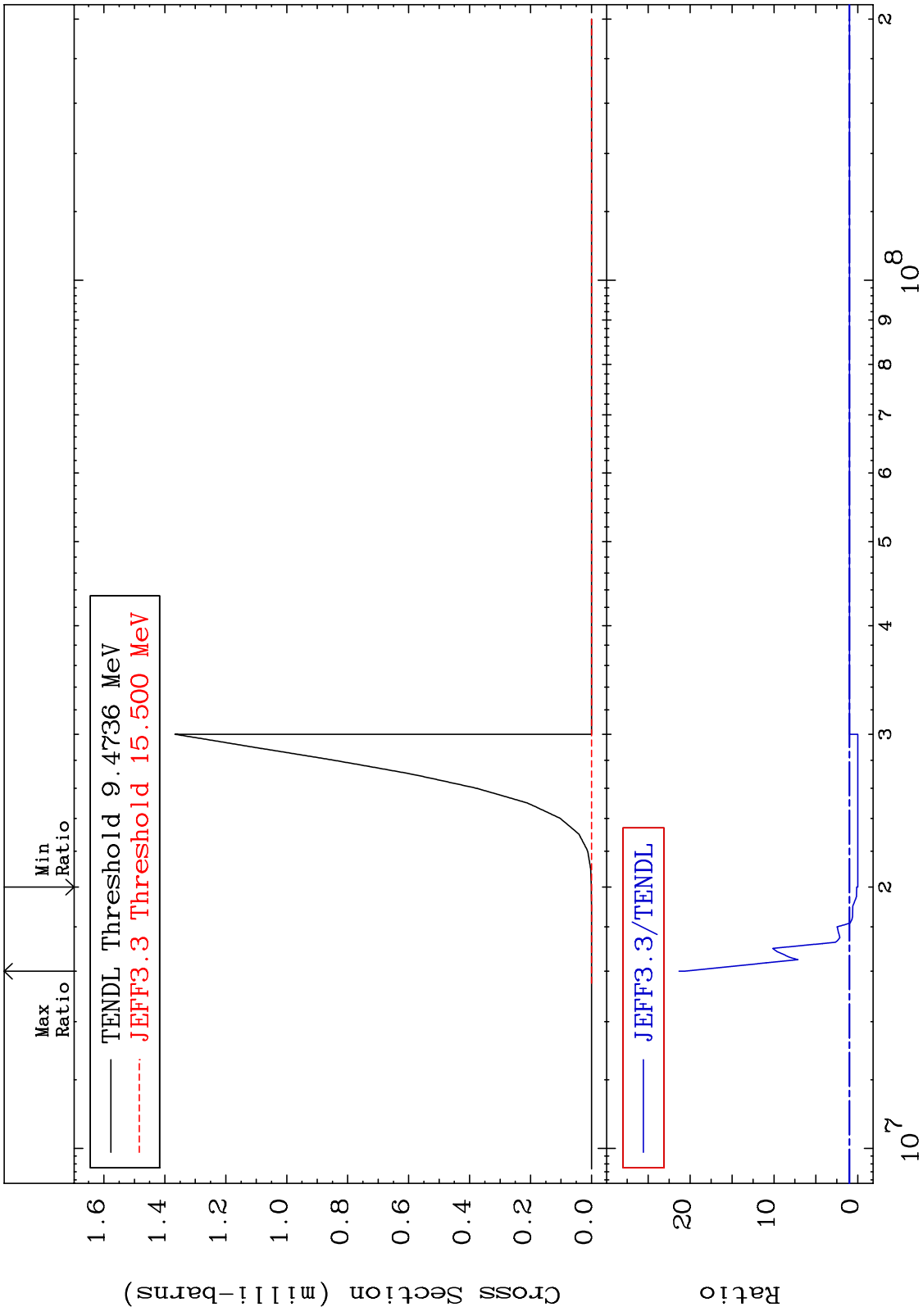


MAT 4031 (n,d) 40-Zr-92
 Cross Section -100.0 To 1162. %



MAT 4031 (n,t) 40-Zr-92
Cross Section -100.0 To 183.0 %





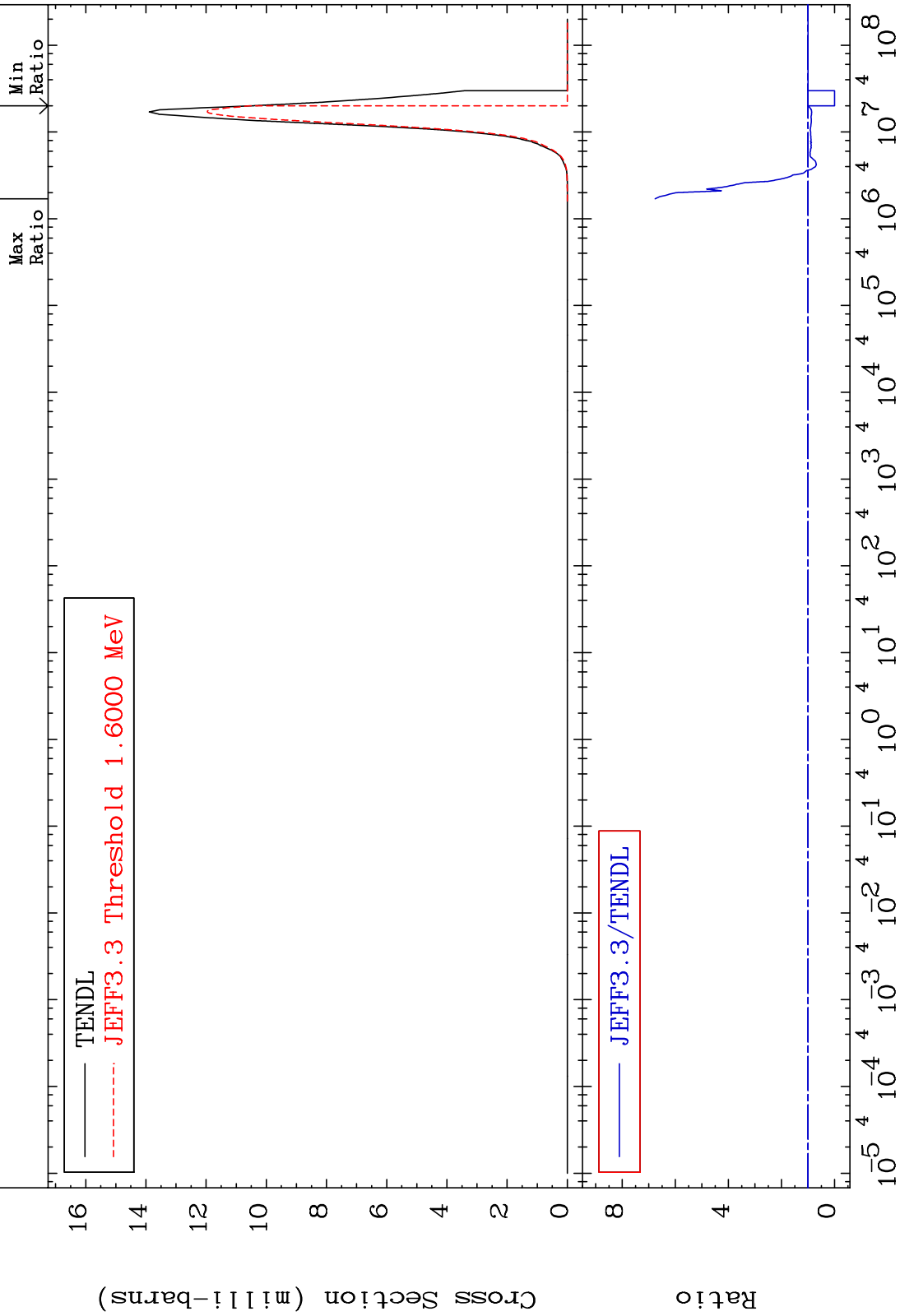
MAT 4031

(n, α)

40-Zr-92

Cross Section

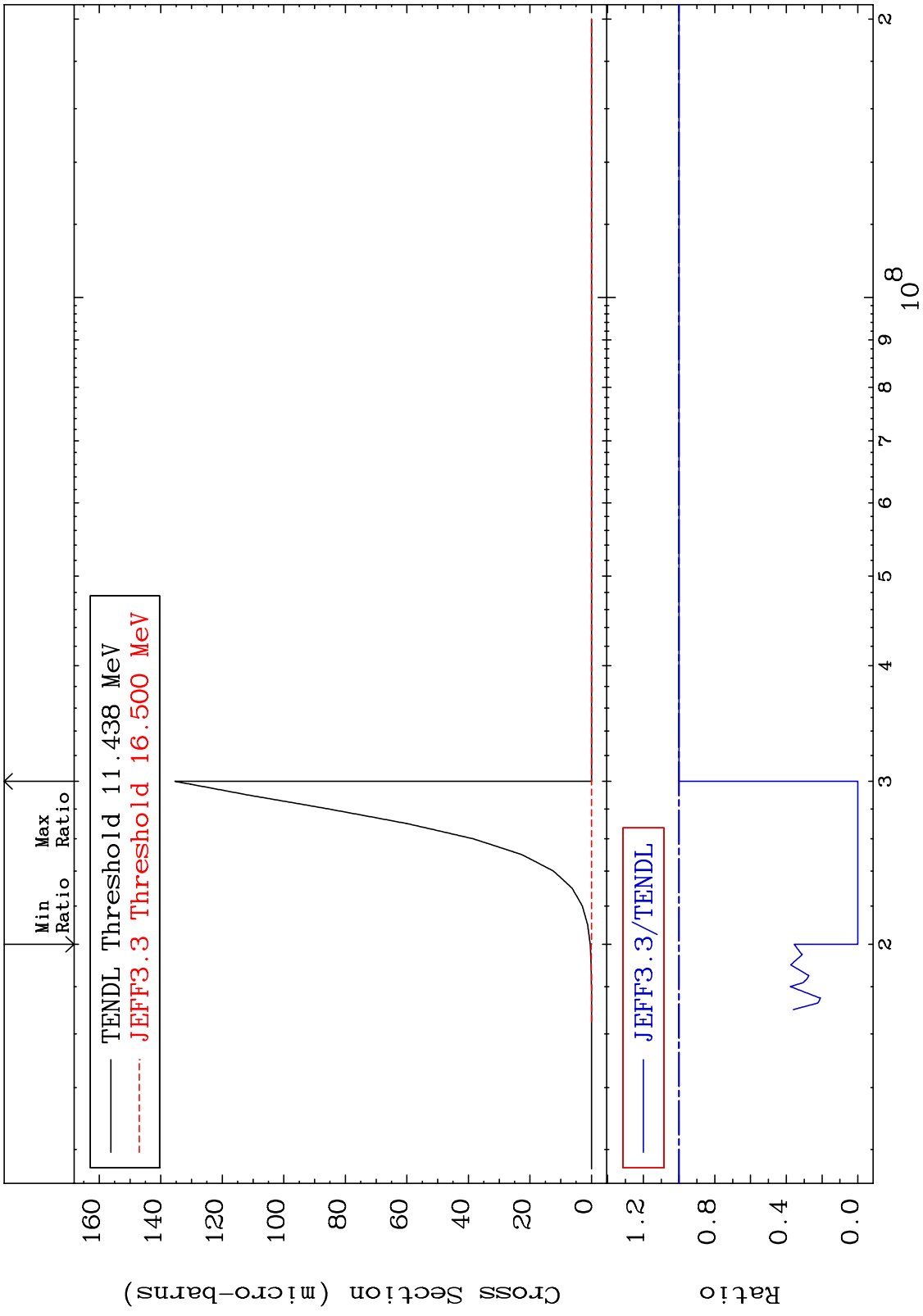
-100.0 To 576.0 %



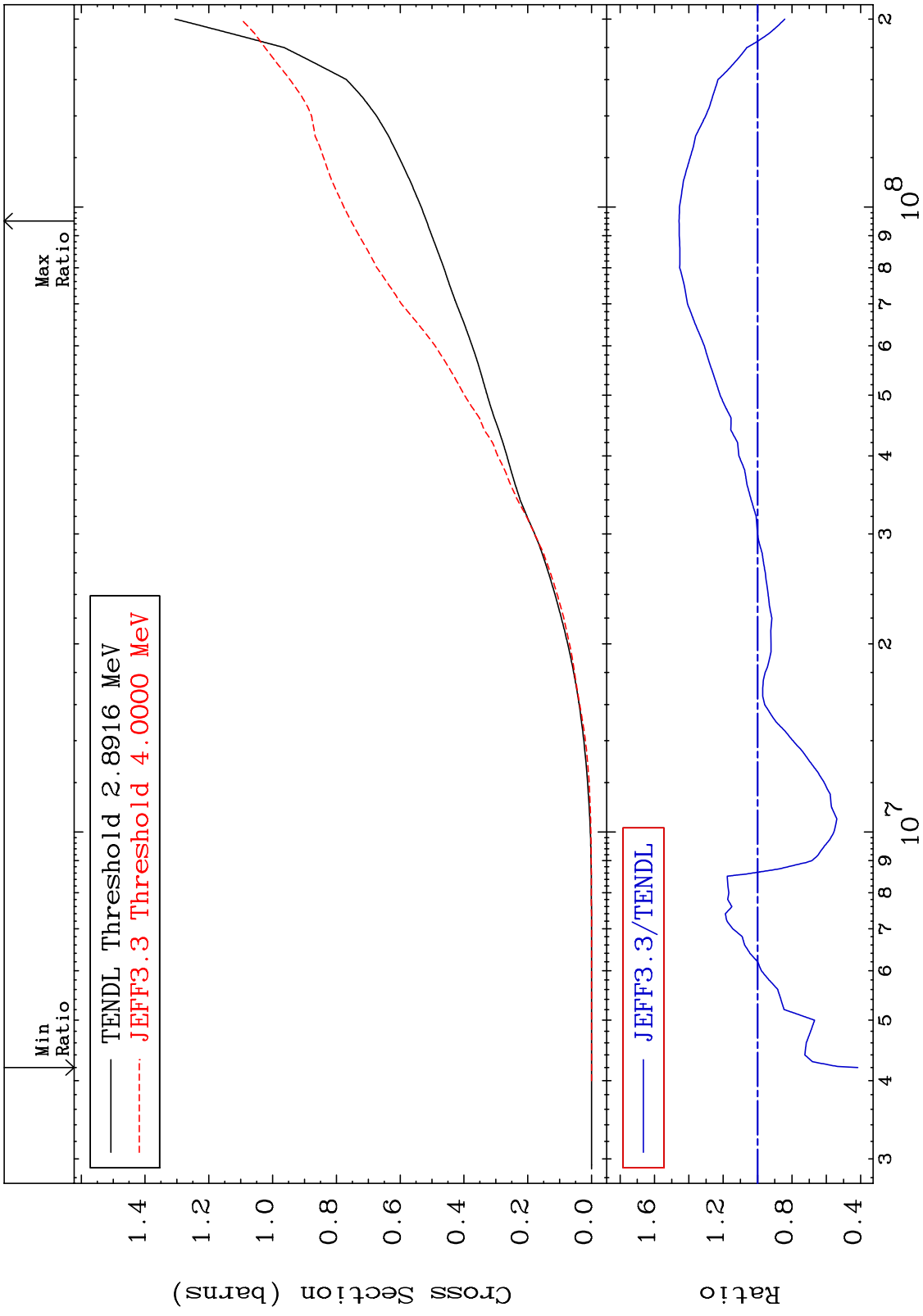
37

40-Zr-92

MAT 4031 (n,2p) Cross Section 40-Zr-92 -100.0 To 0.000 %



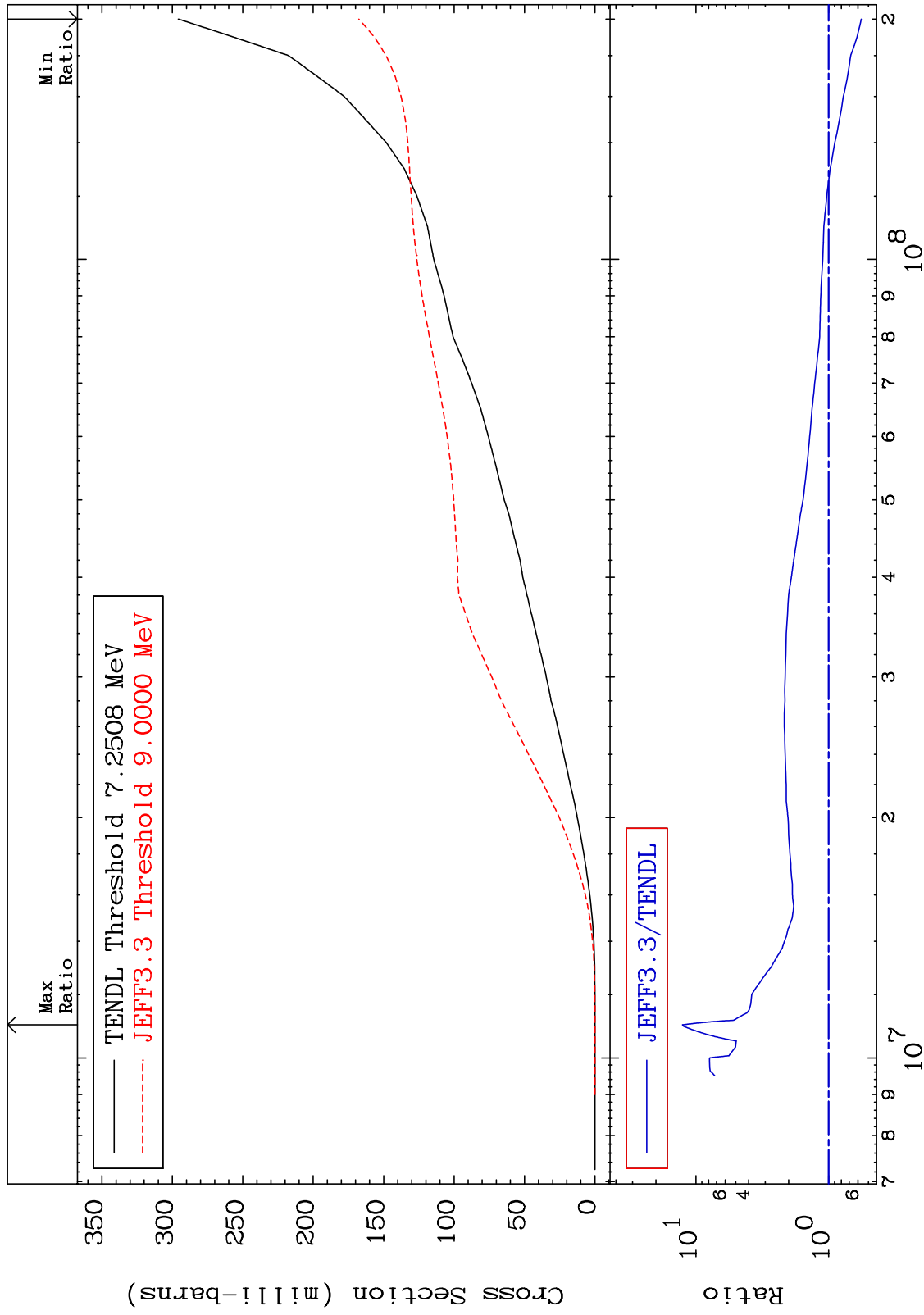
MAT 4031 Hydrogen Production Cross Section 40-Zr-92
 -58.31 To 45.70 %



MAT 4031

Deuterium Production
Cross Section

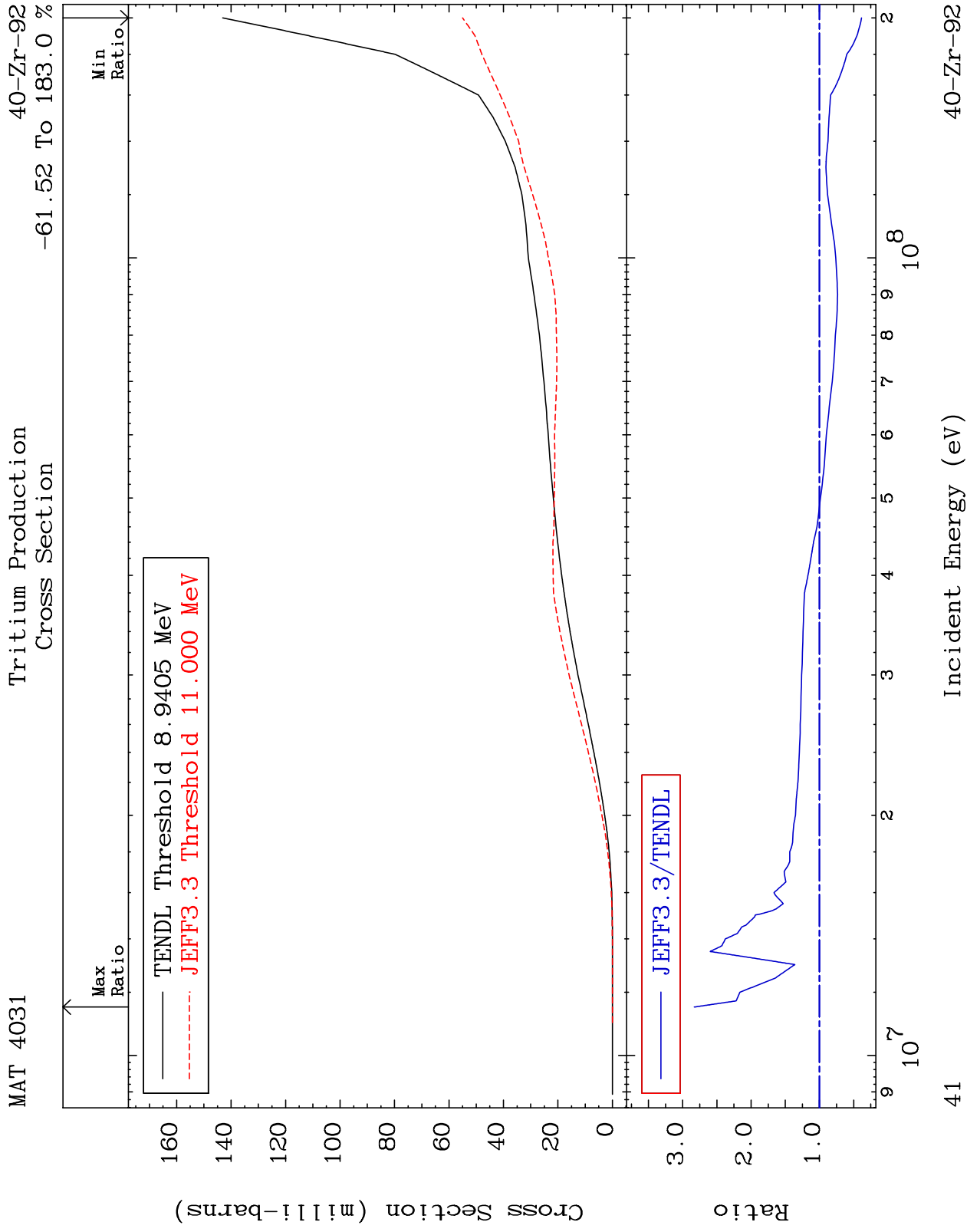
40-Zr-92
-43.33 To 1162. %



40

Incident Energy (eV)

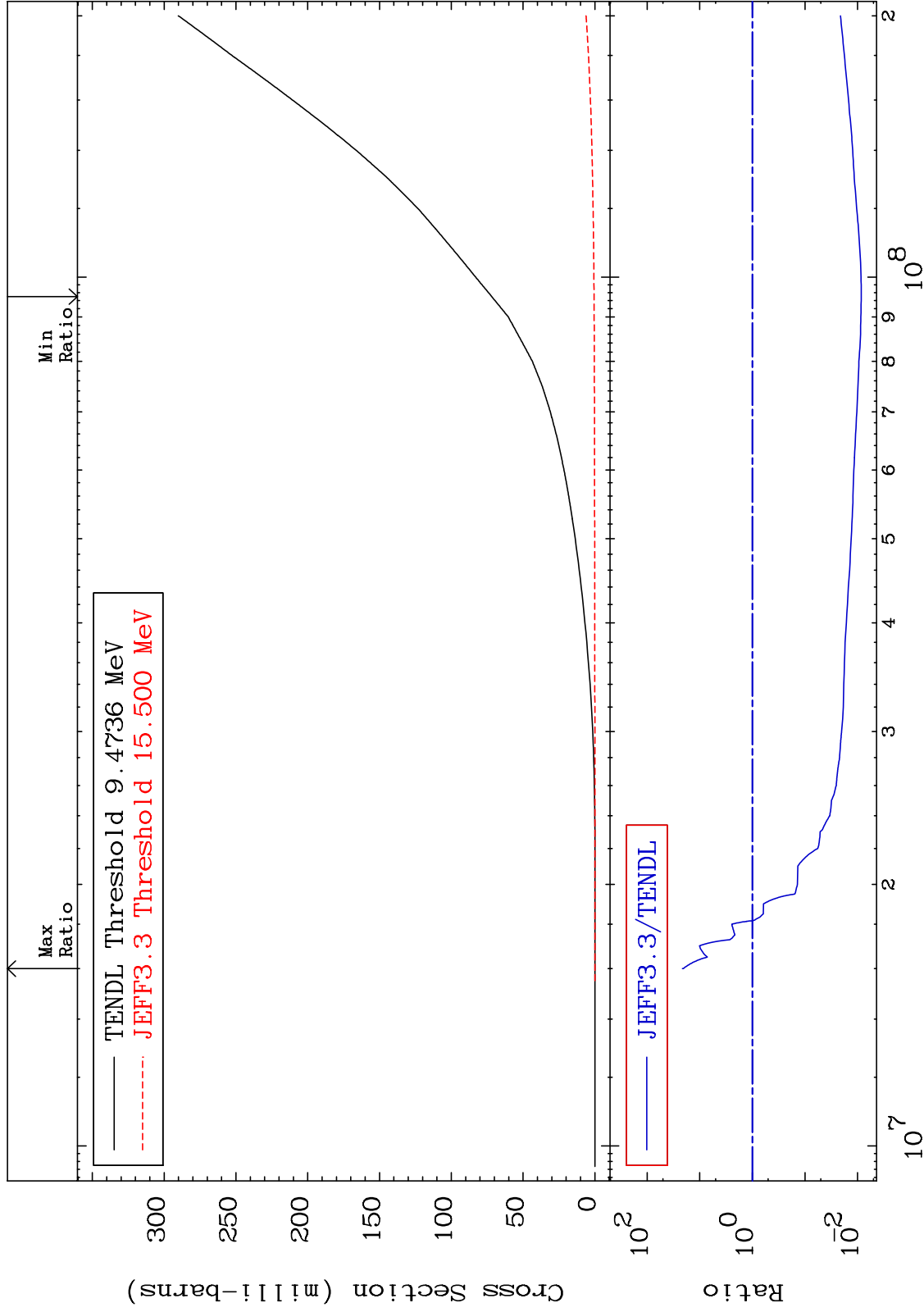
40-Zr-92



MAT 4031

He-3 Production
Cross Section

40-Zr-92
-99.15 To 2032. %



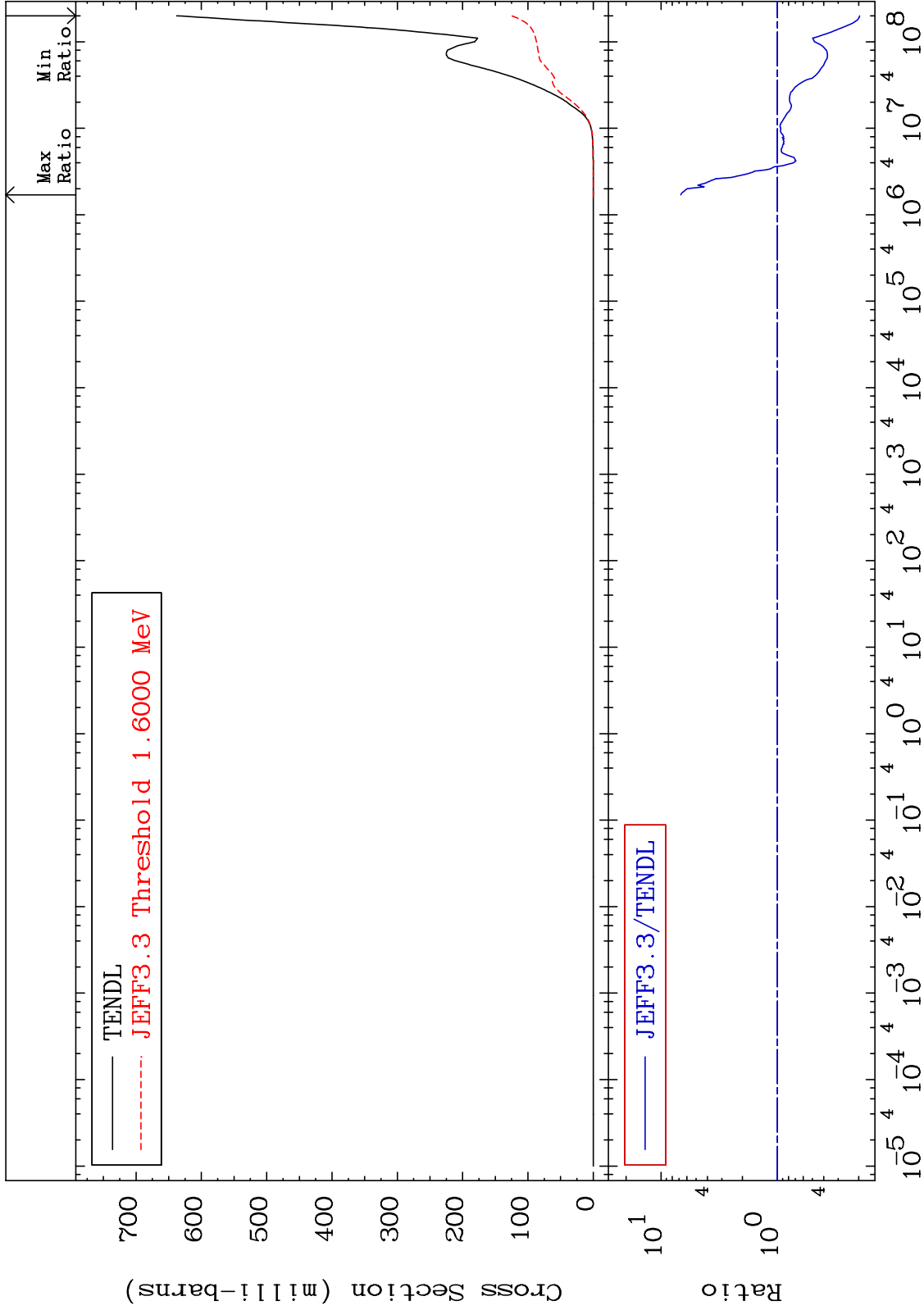
42

40-Zr-92

MAT 4031

He-4 Production
Cross Section

40-Zr-92
-80.38 To 576.0 %

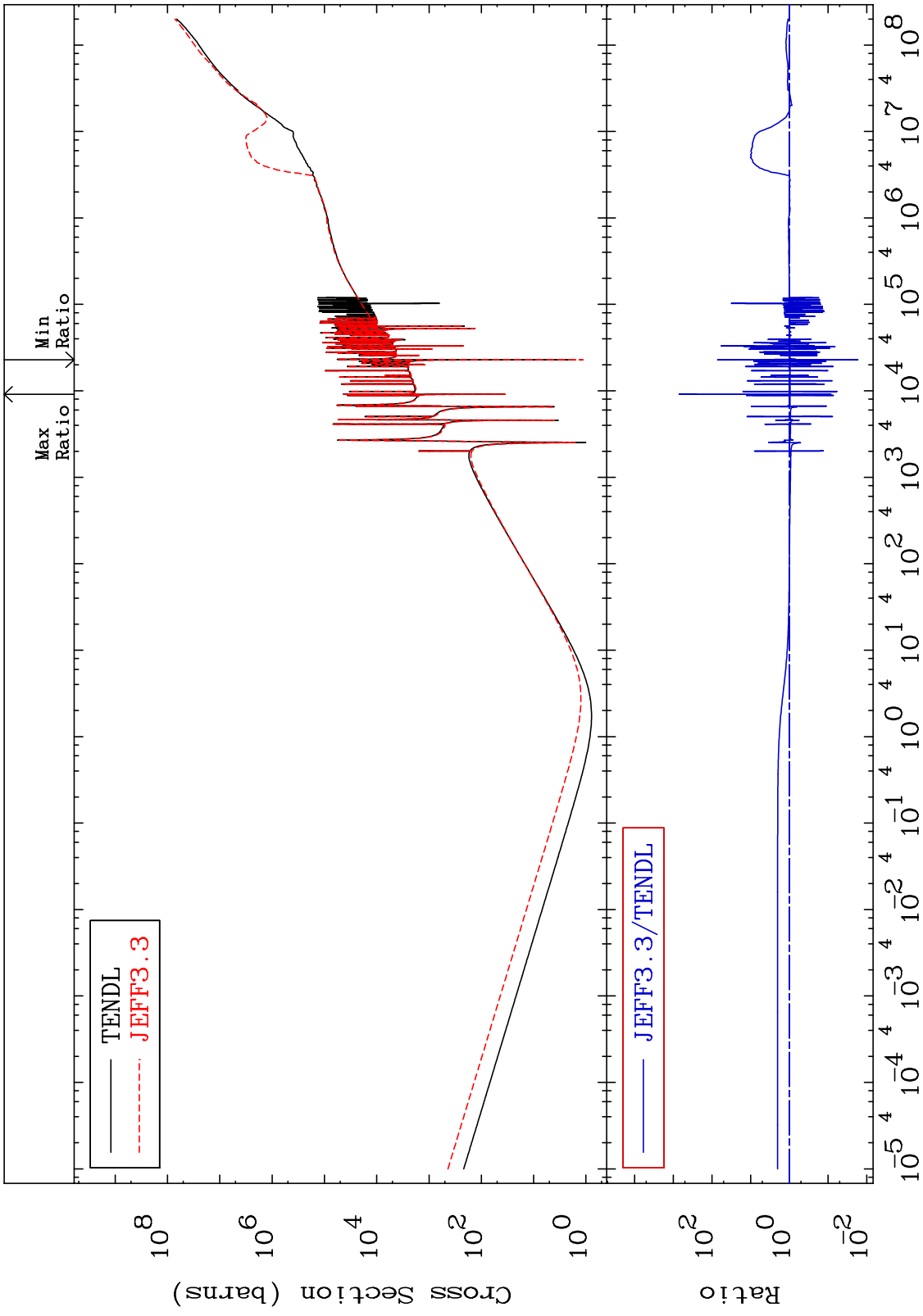


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Incident Energy (eV)

40-Zr-92

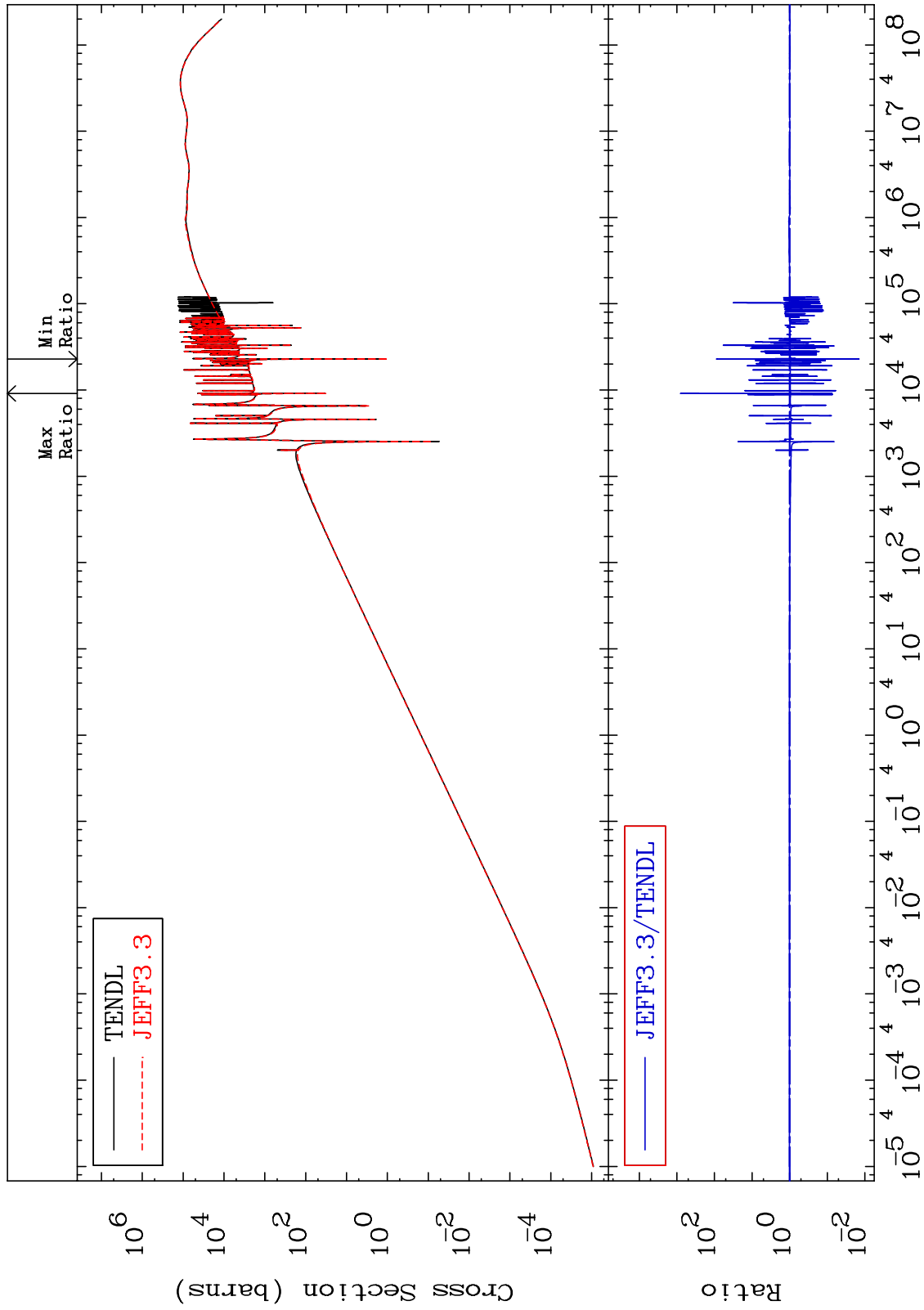
MAT 4031 Kerma total (eV-barns) 40-Zr-92
 Cross Section -98.30 To 9999. %



MAT 4031

Kerma elastic
Cross Section

40-Zr-92
-98.57 To 9999. %

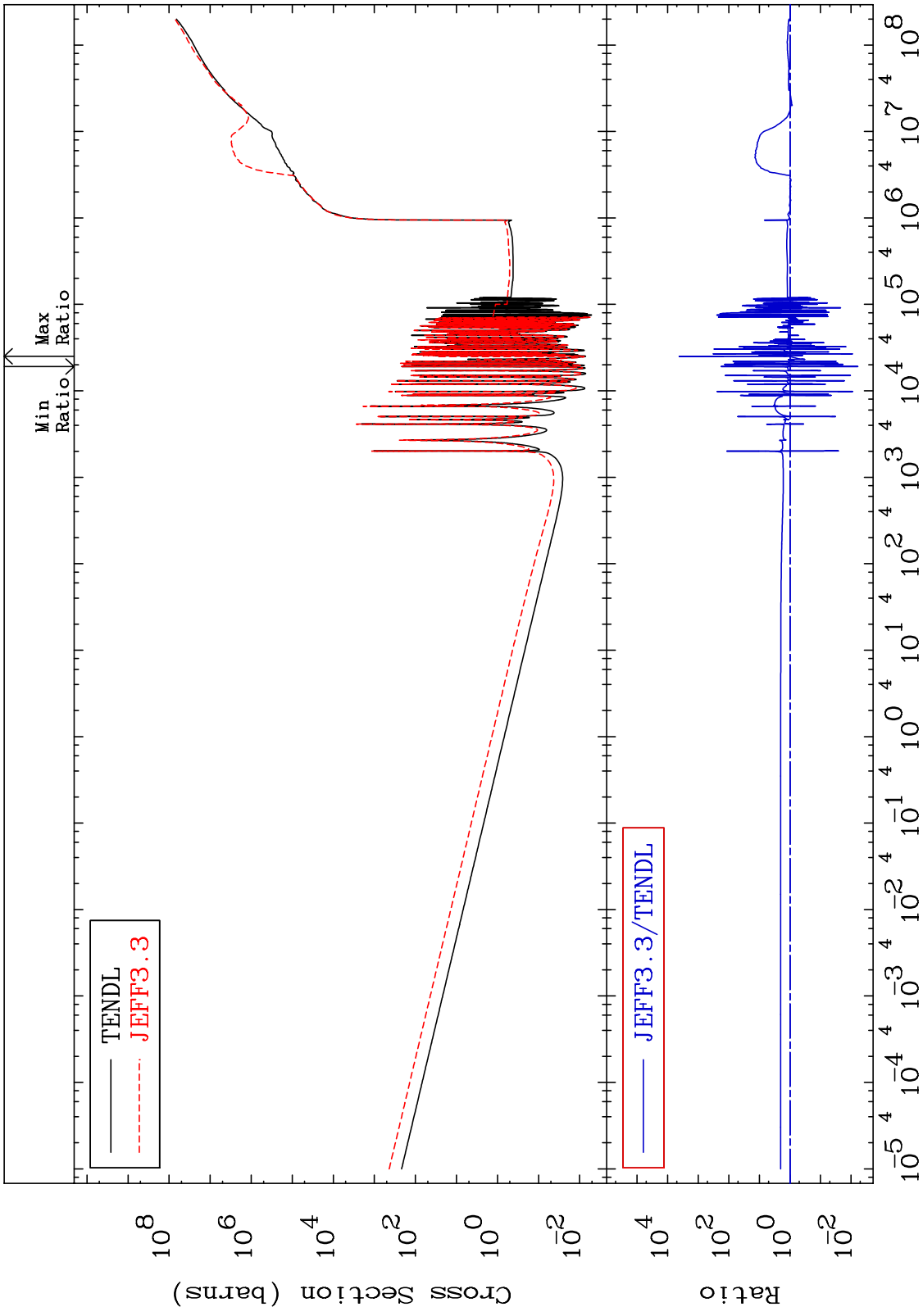


45

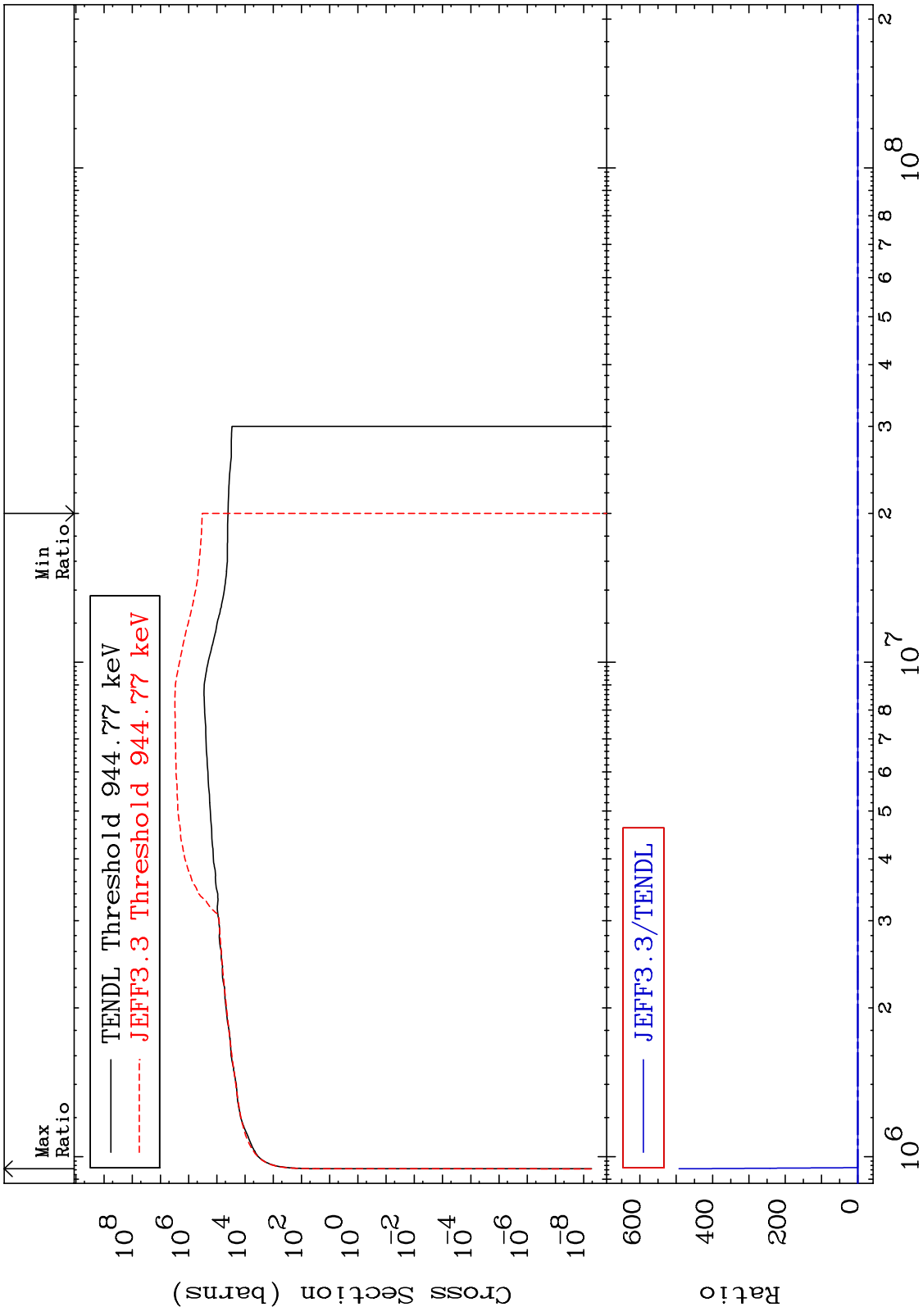
Incident Energy (eV)

40-Zr-92

MAT 4031 Kerma non-elastic (all but mt2) 40-Zr-92
 Cross Section -99.40 To 9999. %



MAT 4031 Kerma inelastic (mt51-91) 40-Zr-92
 -100.0 To 9999. %
 Cross Section

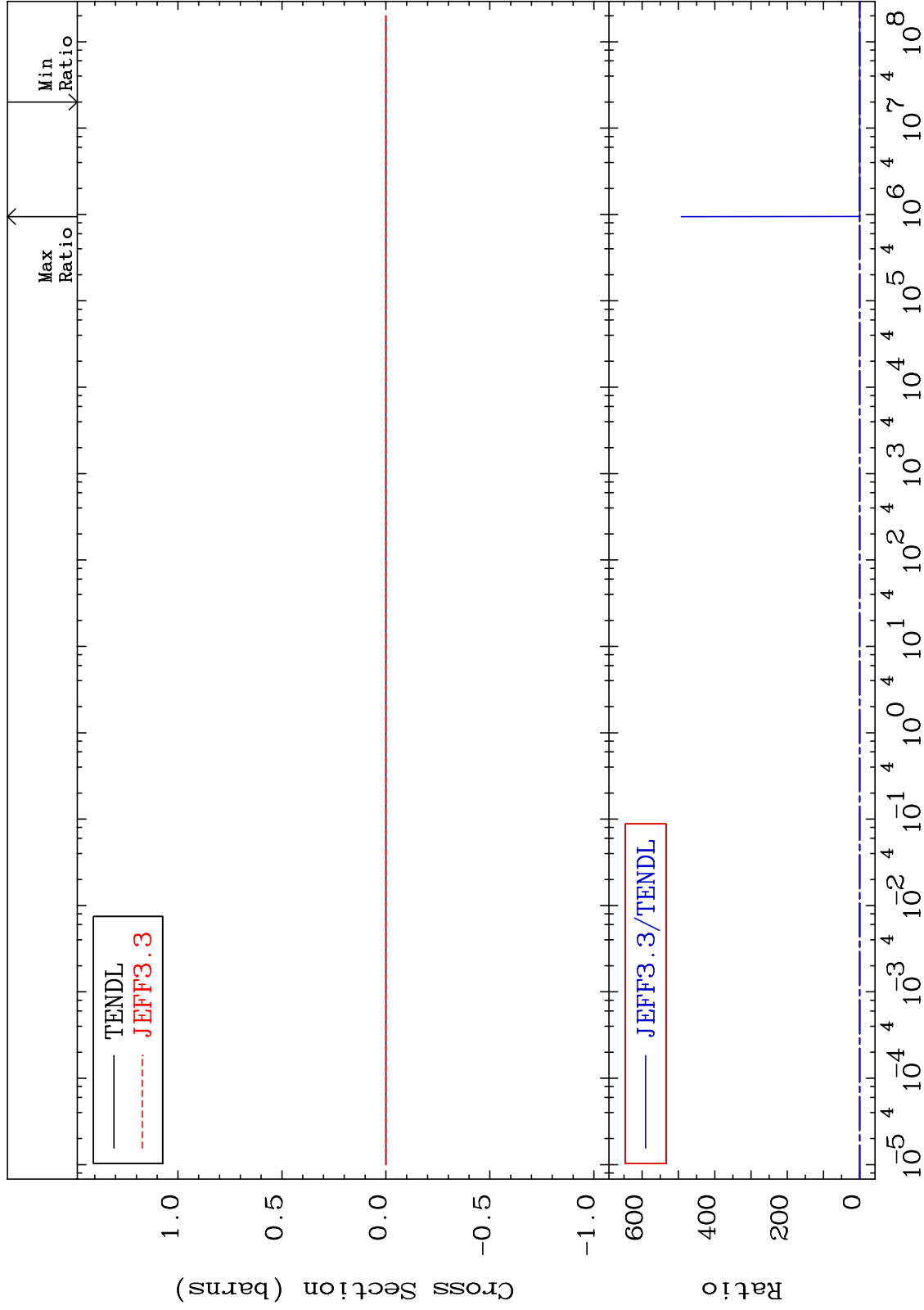


47 40-Zr-92

MAT 4031

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

40-Zr-92
-100.0 To 9999. %



48

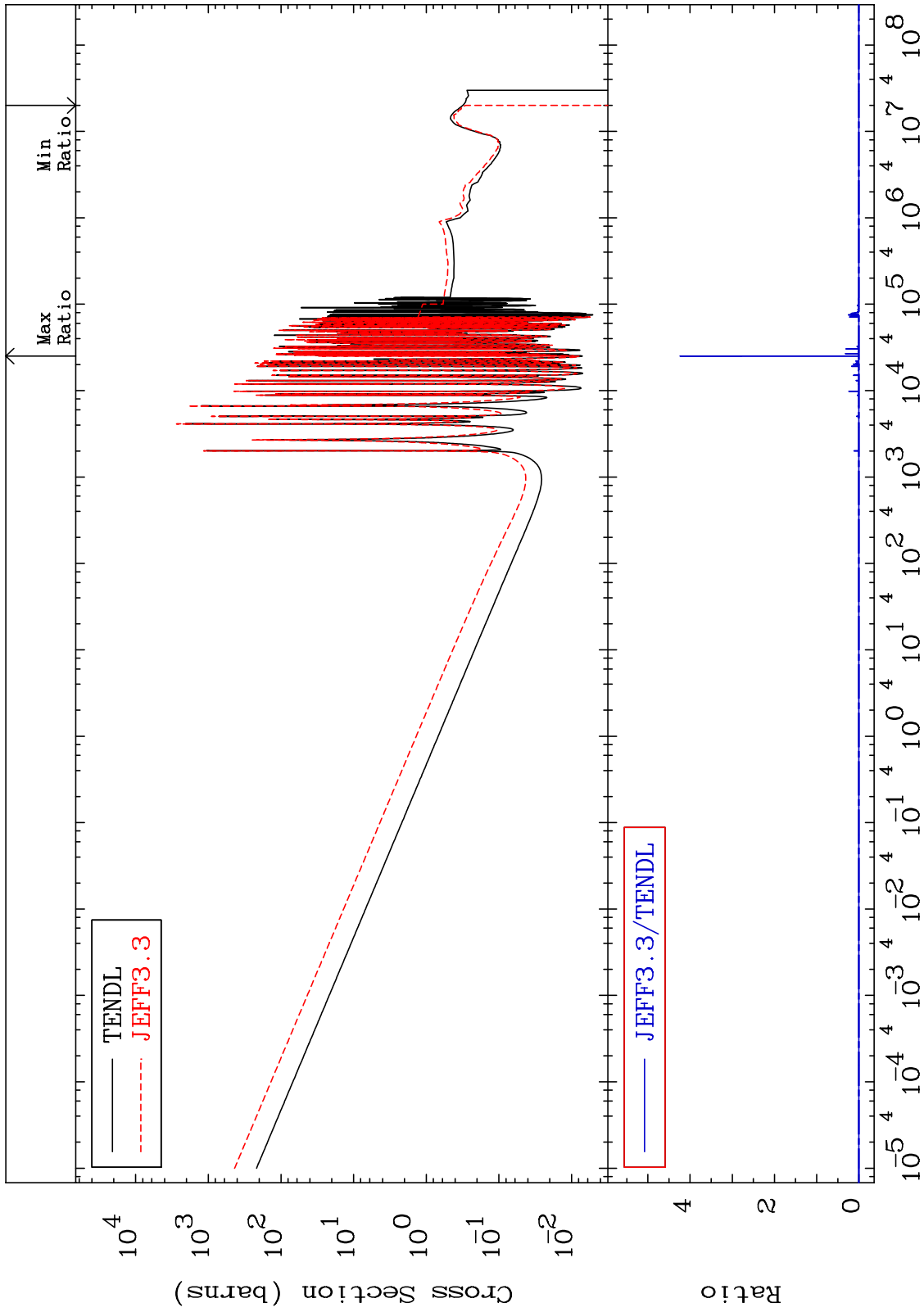
Incident Energy (eV)

40-Zr-92

MAT 4031

Kerma capture (mt102)
Cross Section

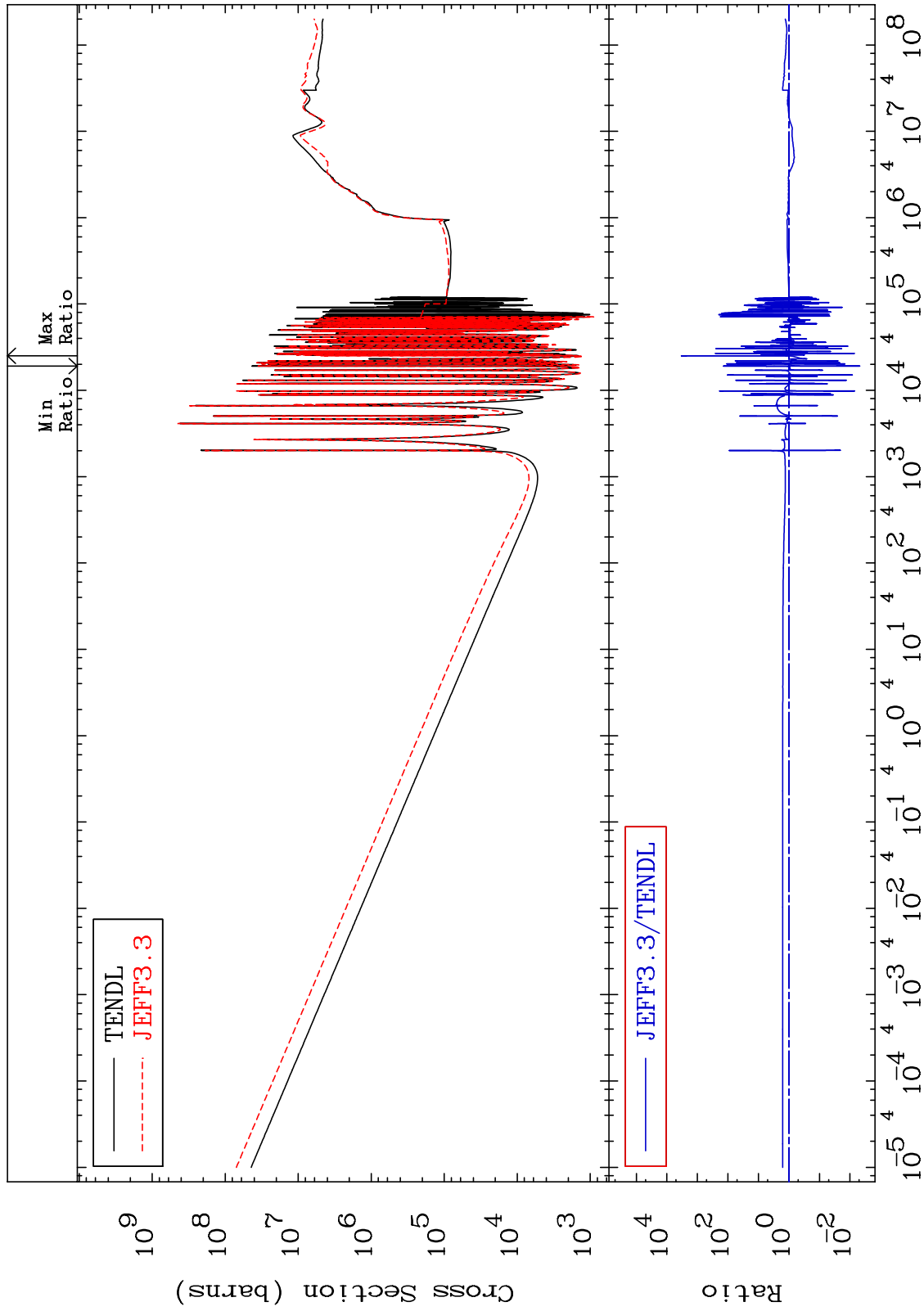
40-Zr-92
-100.0 To 9999. %



MAT 4031

Total photon (eV-barns)
Cross Section

40-Zr-92
-99.52 To 9999. %

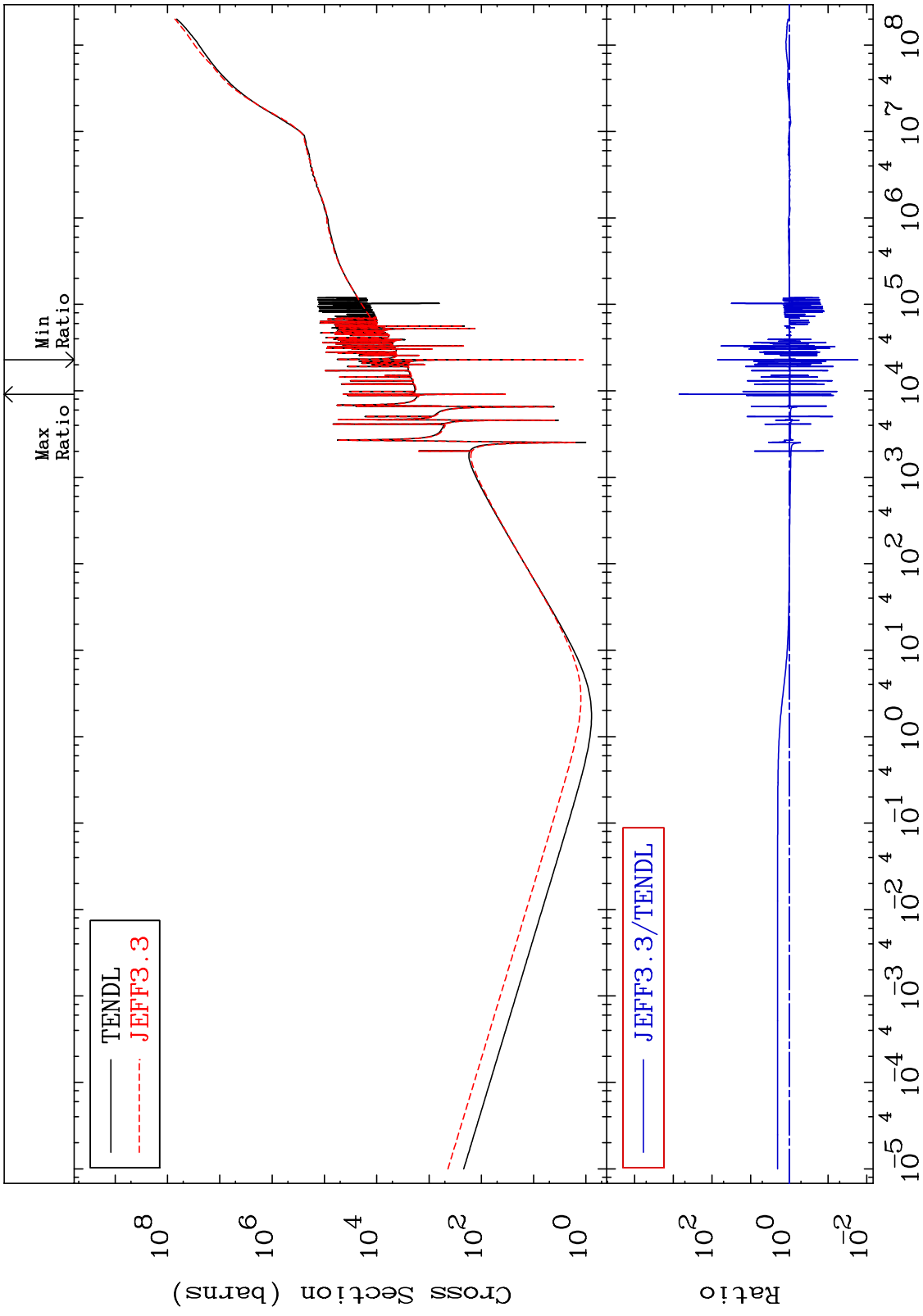


50

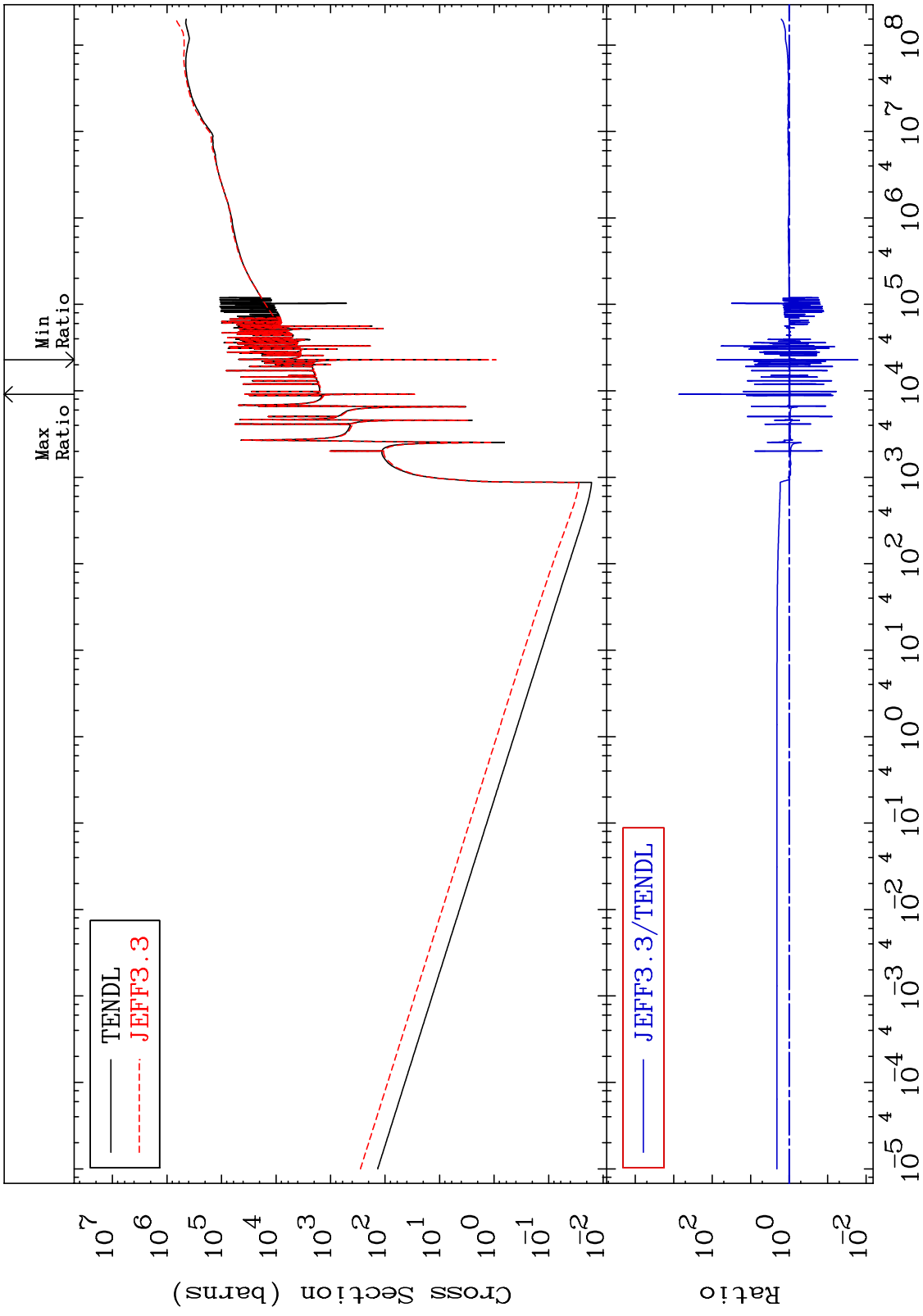
Incident Energy (eV)

40-Zr-92

MAT 4031 Total kinematic kerma (high limit) 40-Zr-92
 Cross Section -98.30 To 9999. %



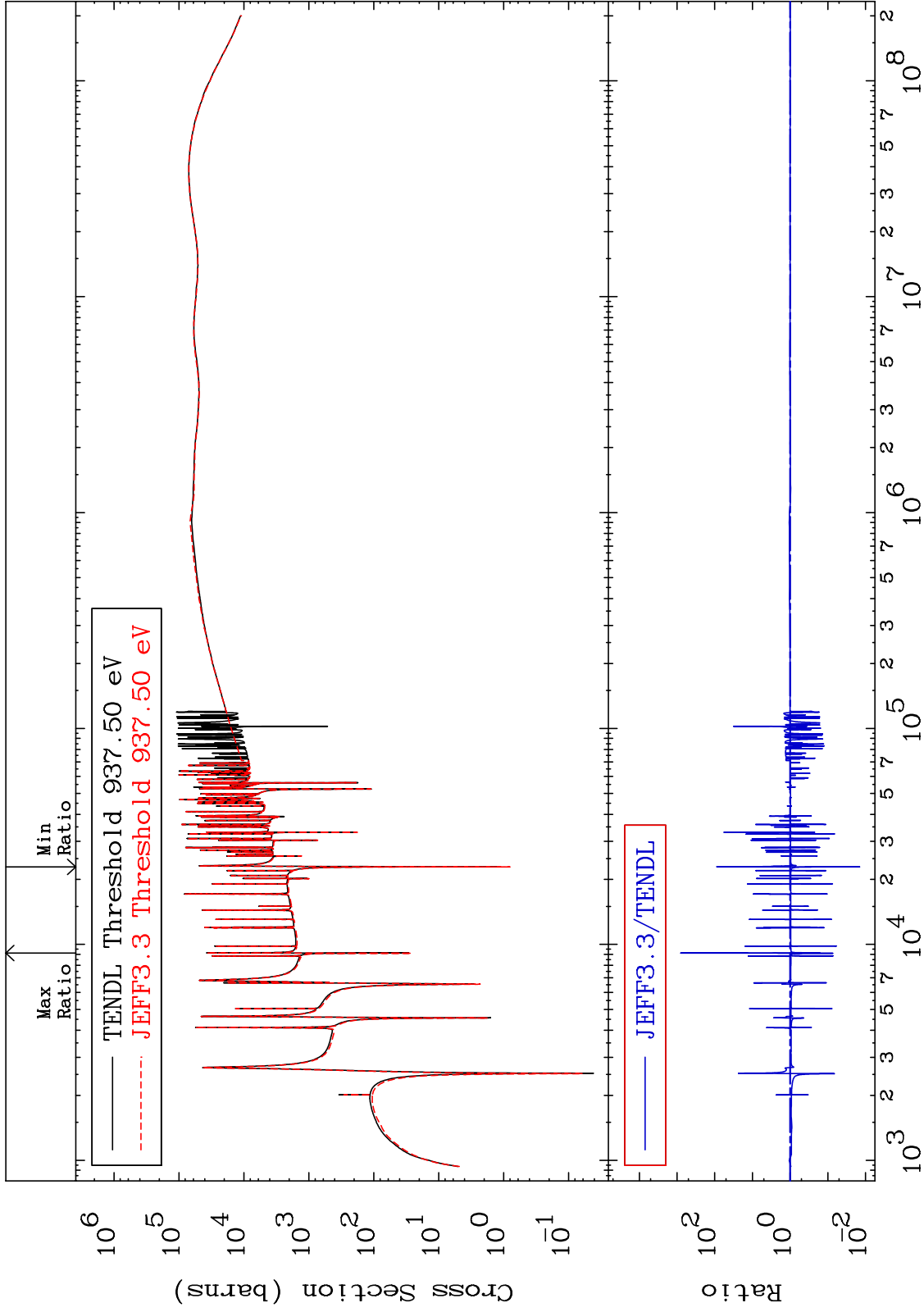
MAT 4031 Dpa total (eV-barns) 40-Zr-92
 Cross Section -98.36 To 9999. %



MAT 4031

Dpa elastic (mt2)
Cross Section

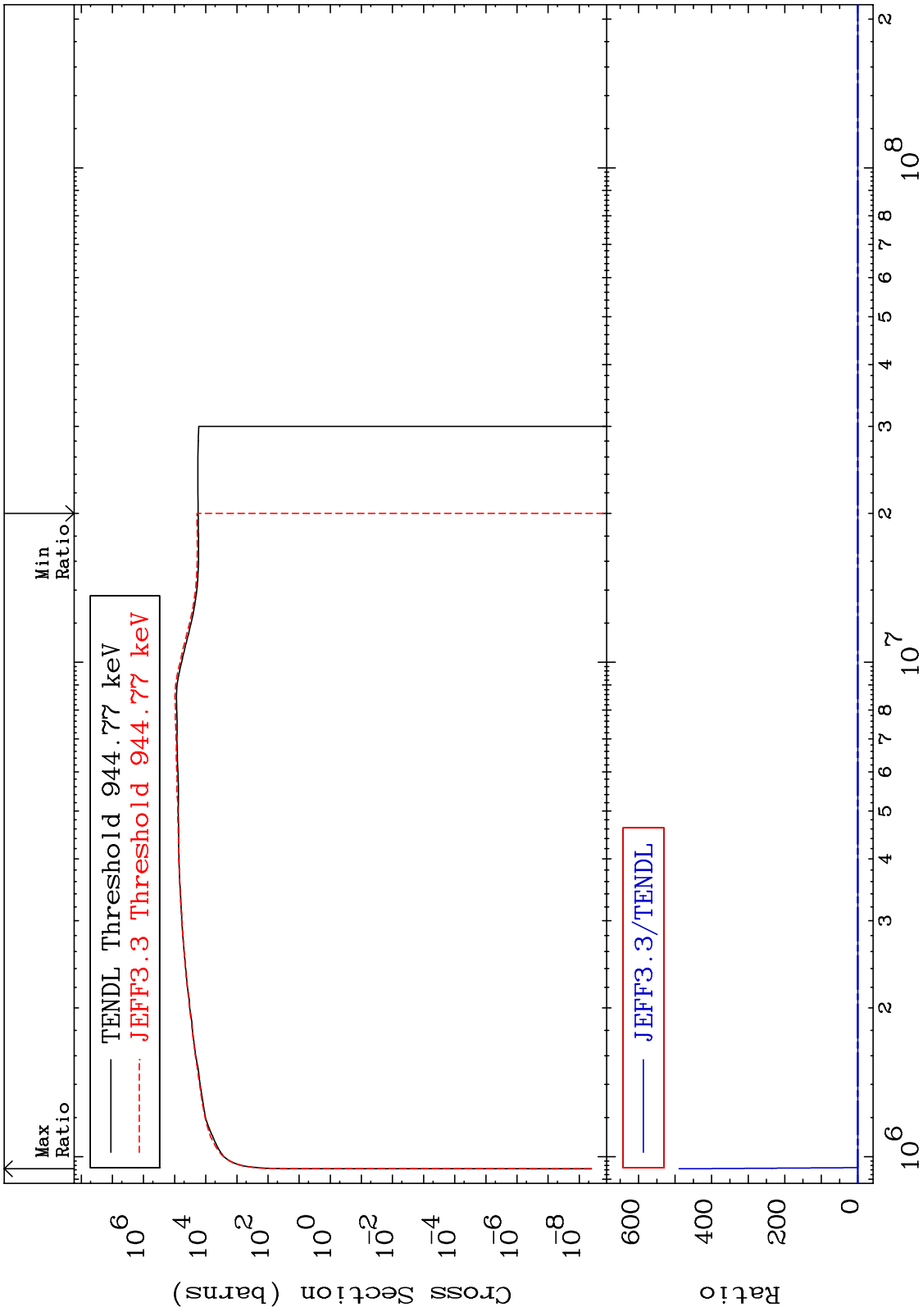
40-Zr-92
-98.57 To 9999. %



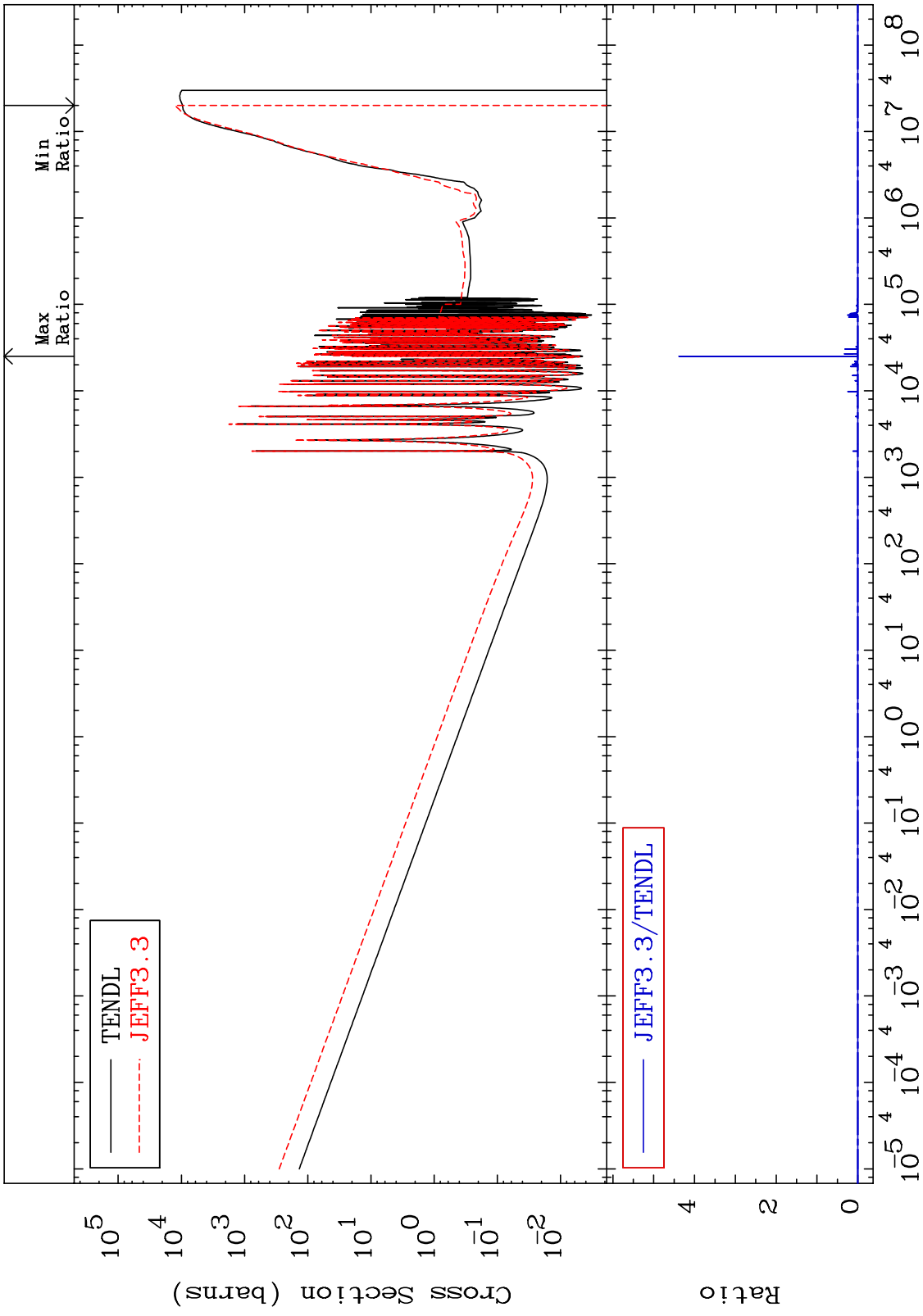
53

40-Zr-92

MAT 4031 Dpa inelastic (mt51-91) 40-Zr-92
 Cross Section -100.0 To 9999. %



MAT 4031 Dpa disappearance (mt102 -120) 40-Zr-92
 Cross Section -100.0 To 9999. %



55 Incident Energy (eV) 40-Zr-92