

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

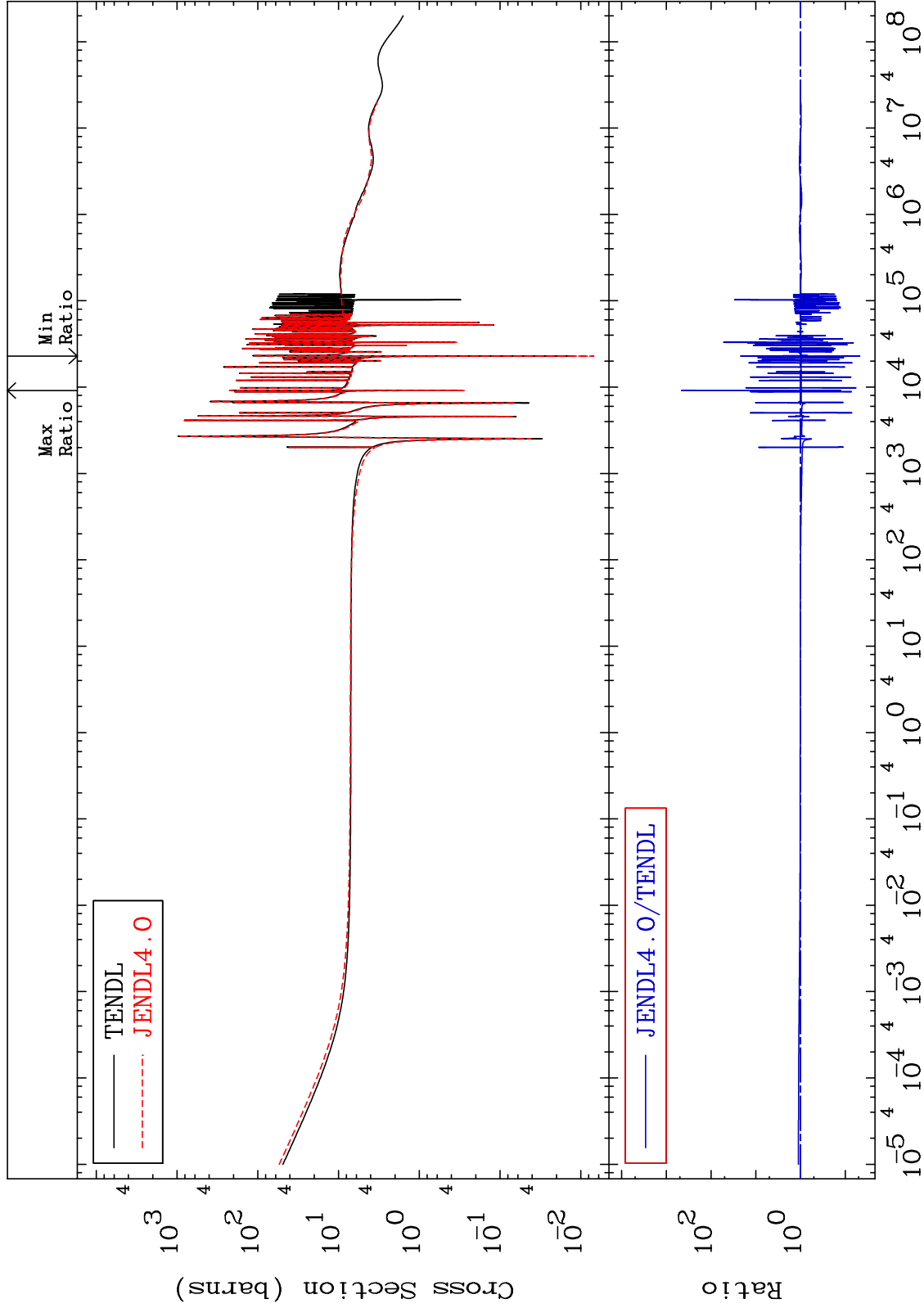
MAT 4031

Total

40-Zr-92

Cross Section

-95.27 To 9999. %



1

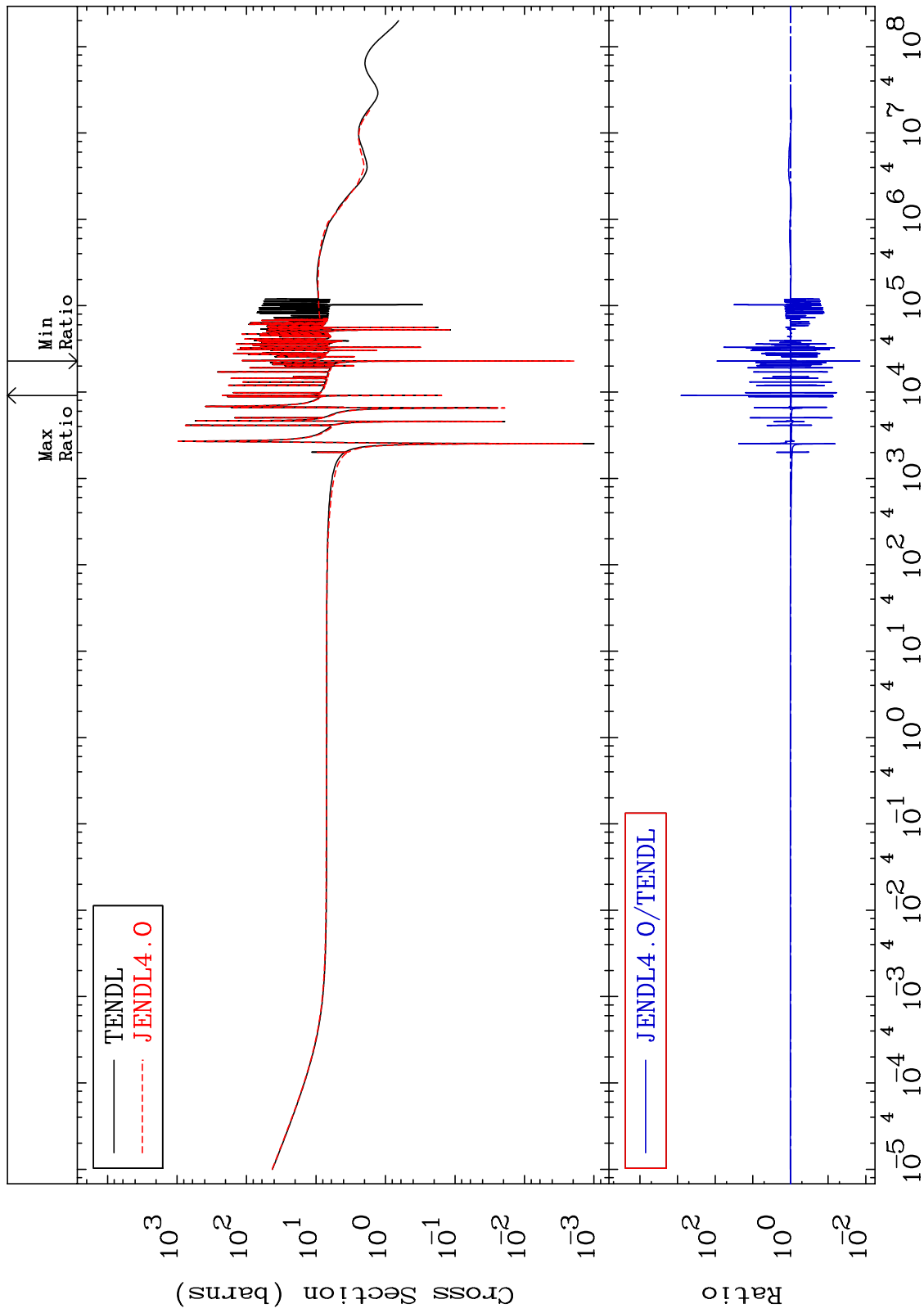
Incident Energy (eV)

40-Zr-92

MAT 4031

Elastic
Cross Section

40-Zr-92
-98.56 To 9999. %



2

Incident Energy (eV)

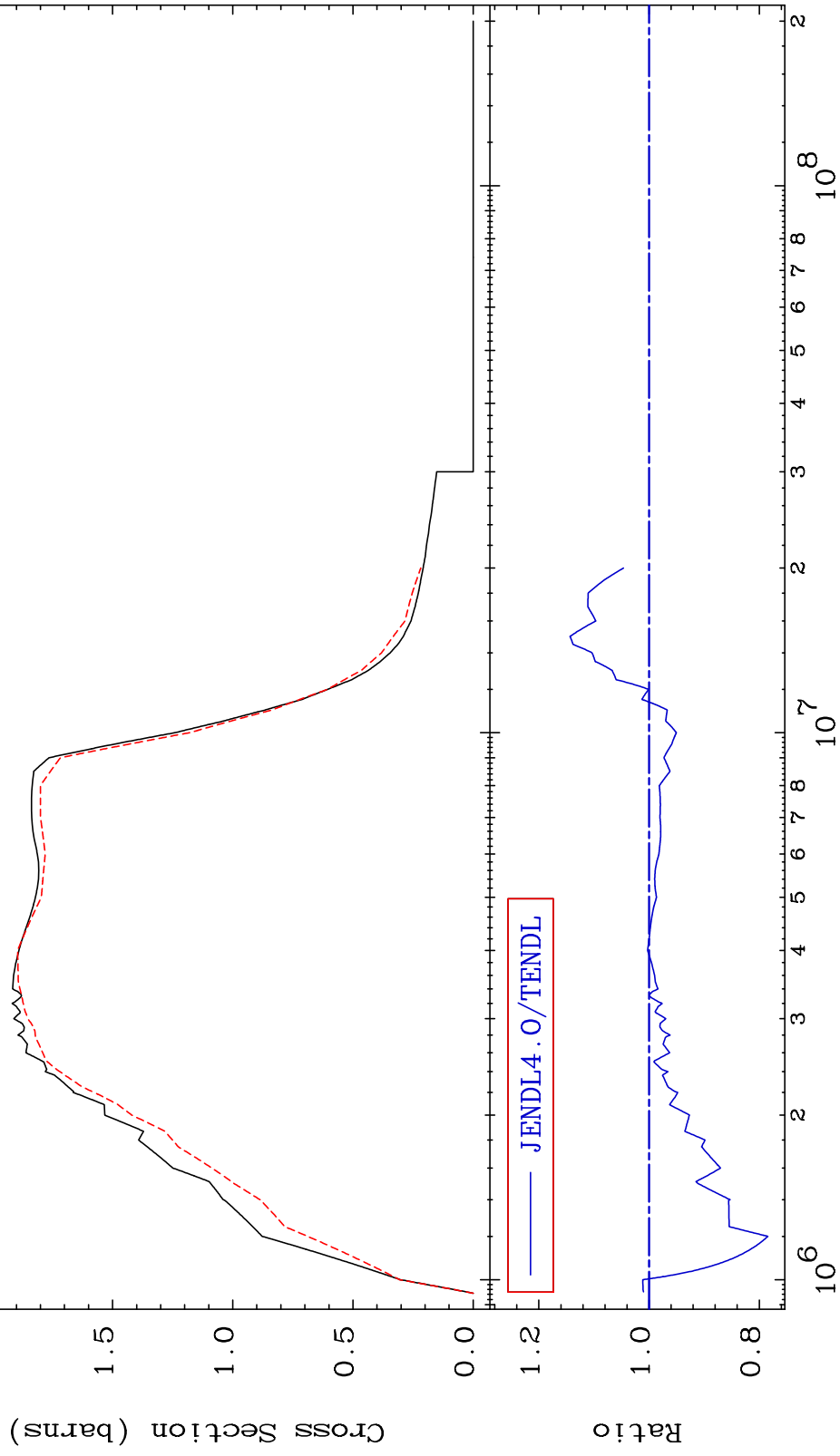
40-Zr-92

MAT 4031 40-Zr-92 -21.57 To 14.34 %

Inelastic Cross Section

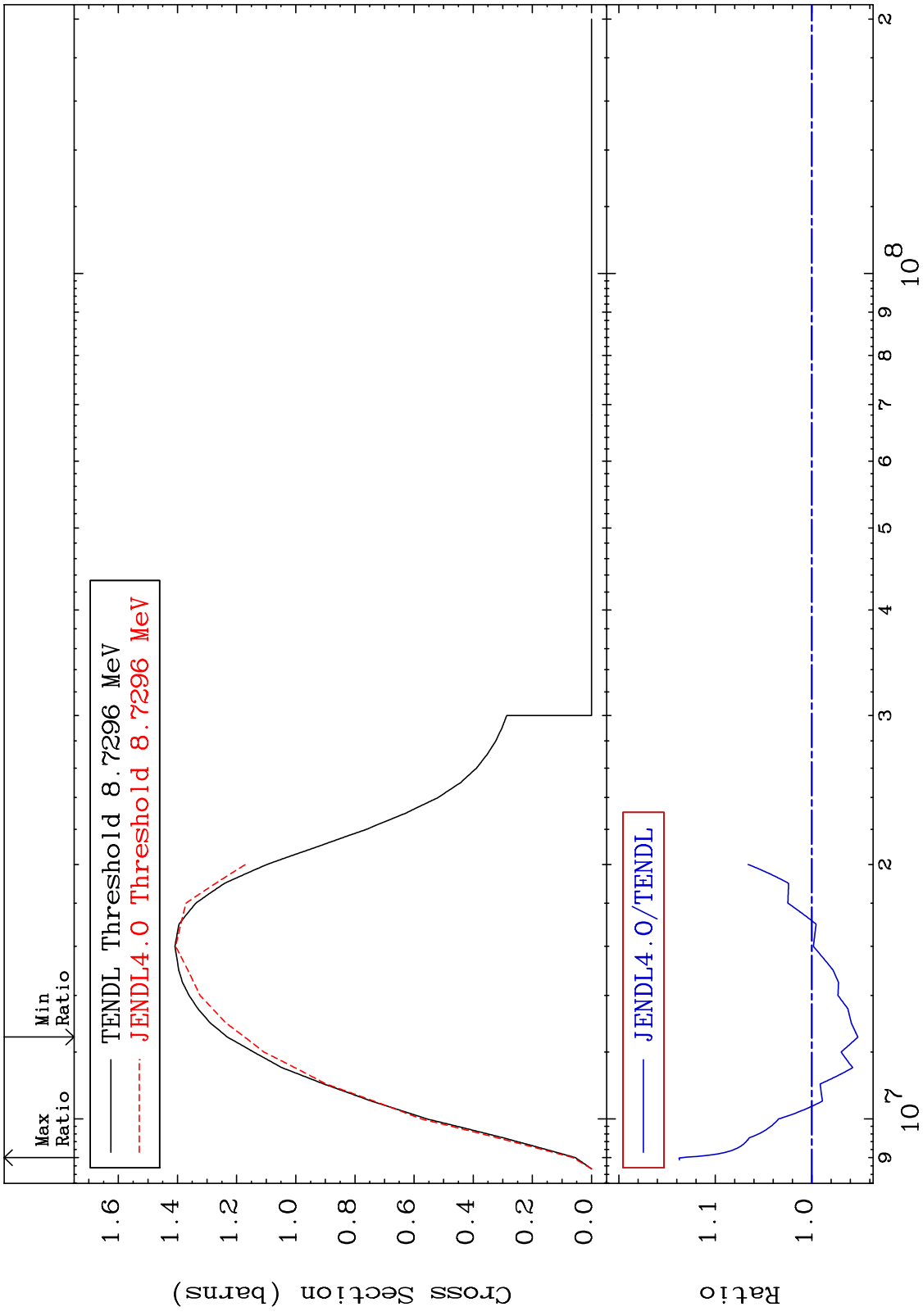
Min Ratio Max Ratio

TENDL Threshold 944.77 keV
JENDL4.0 Threshold 944.77 keV



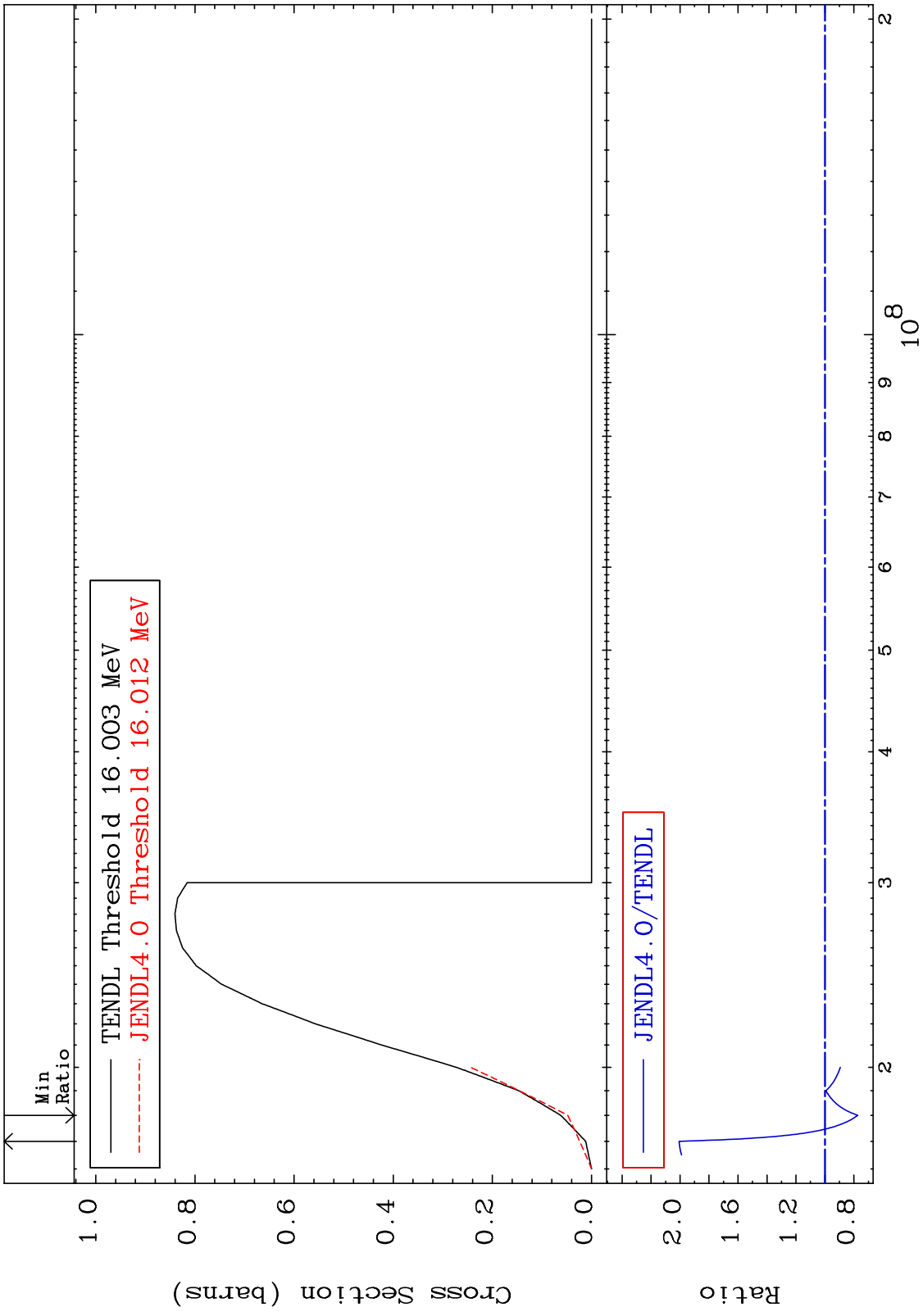
40-Zr-92

MAT 4031 (n,2n) Cross Section 40-Zr-92 -4.768 To 13.76 %



4 Incident Energy (eV) 40-Zr-92

MAT 4031 (n,3n) Cross Section 40-Zr-92 -22.69 To 100.7 %



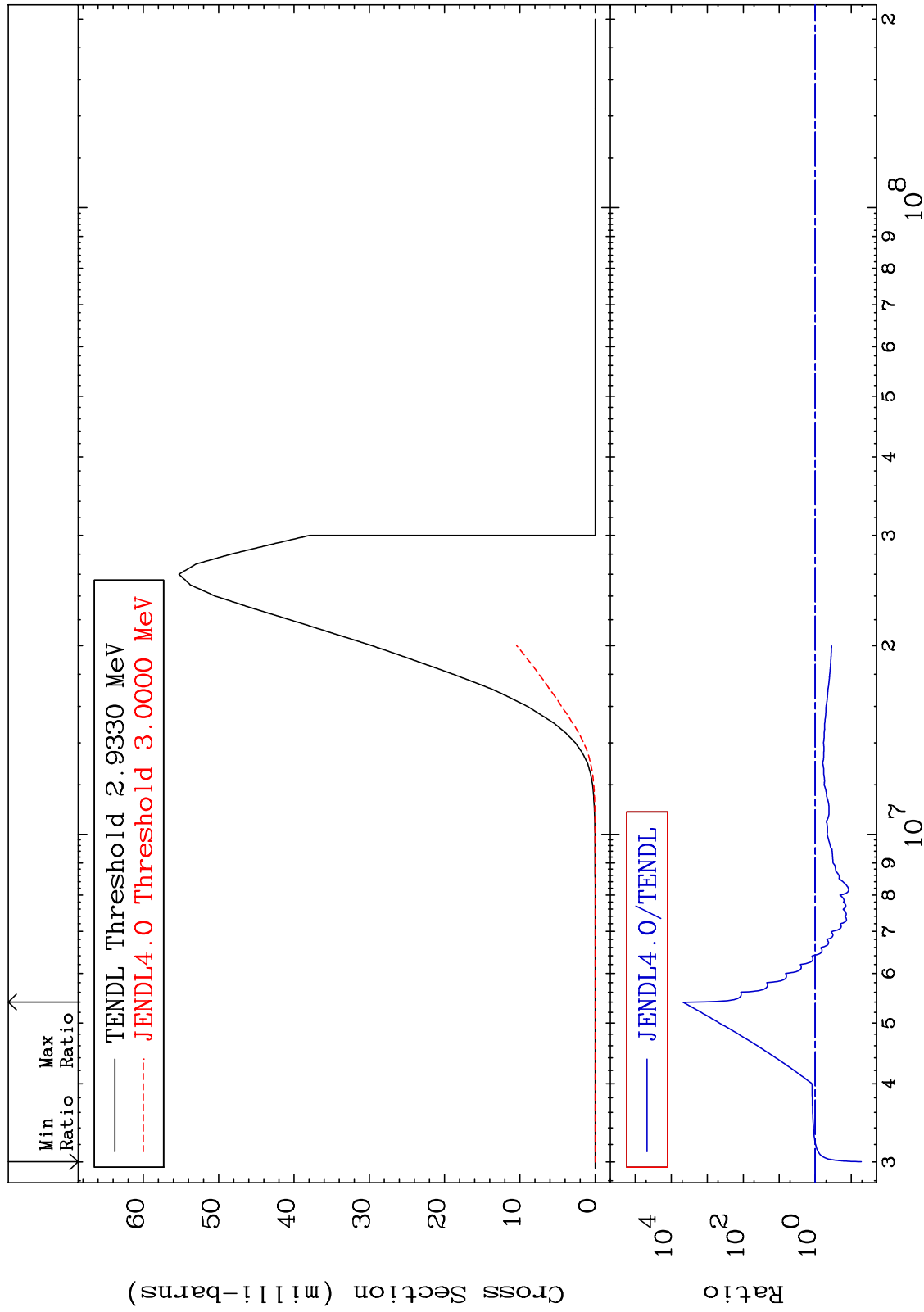
MAT 4031

(n, n') α

40-Zr-92

Cross Section

-94.77 To 9999. %

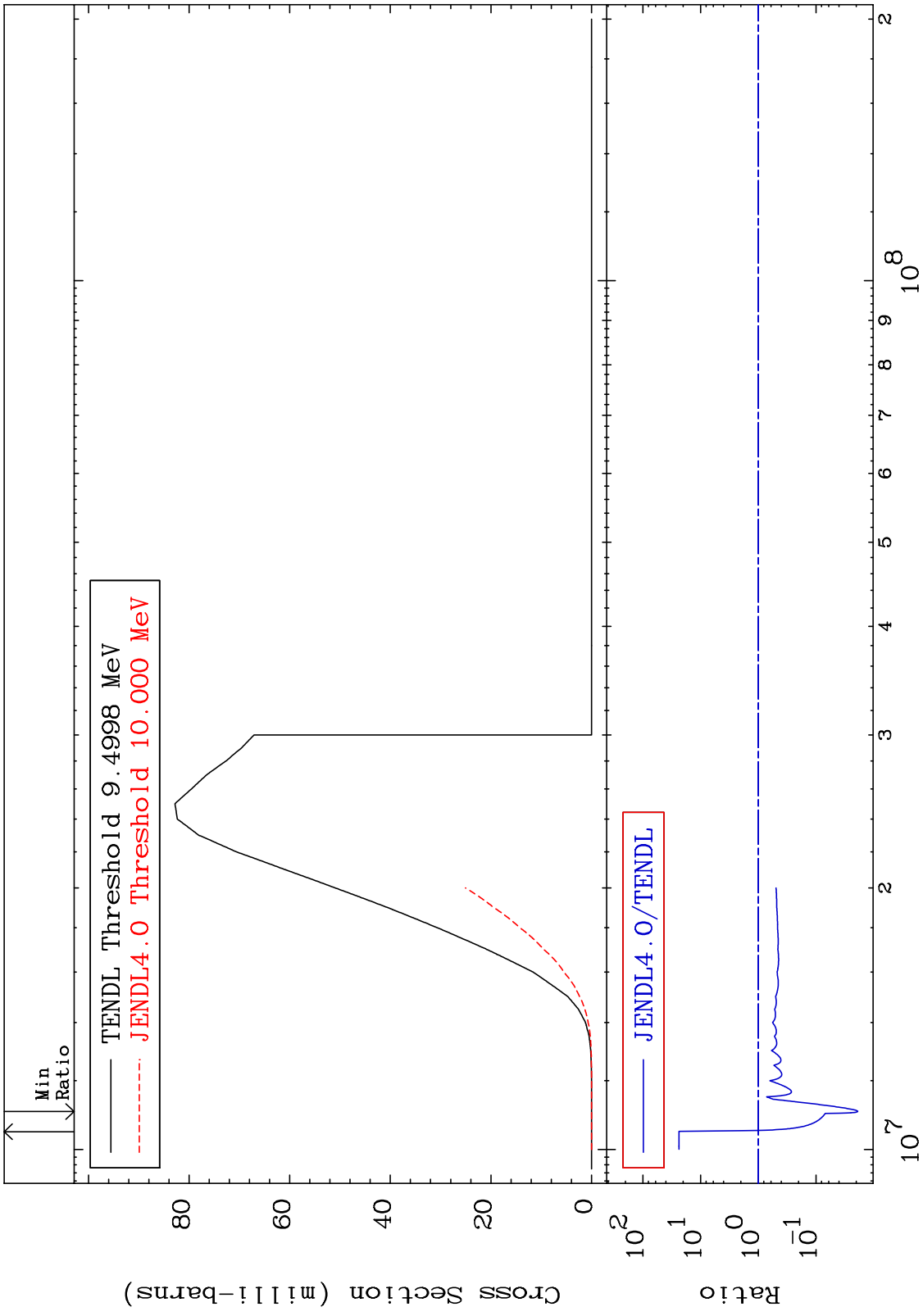


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Incident Energy (eV)

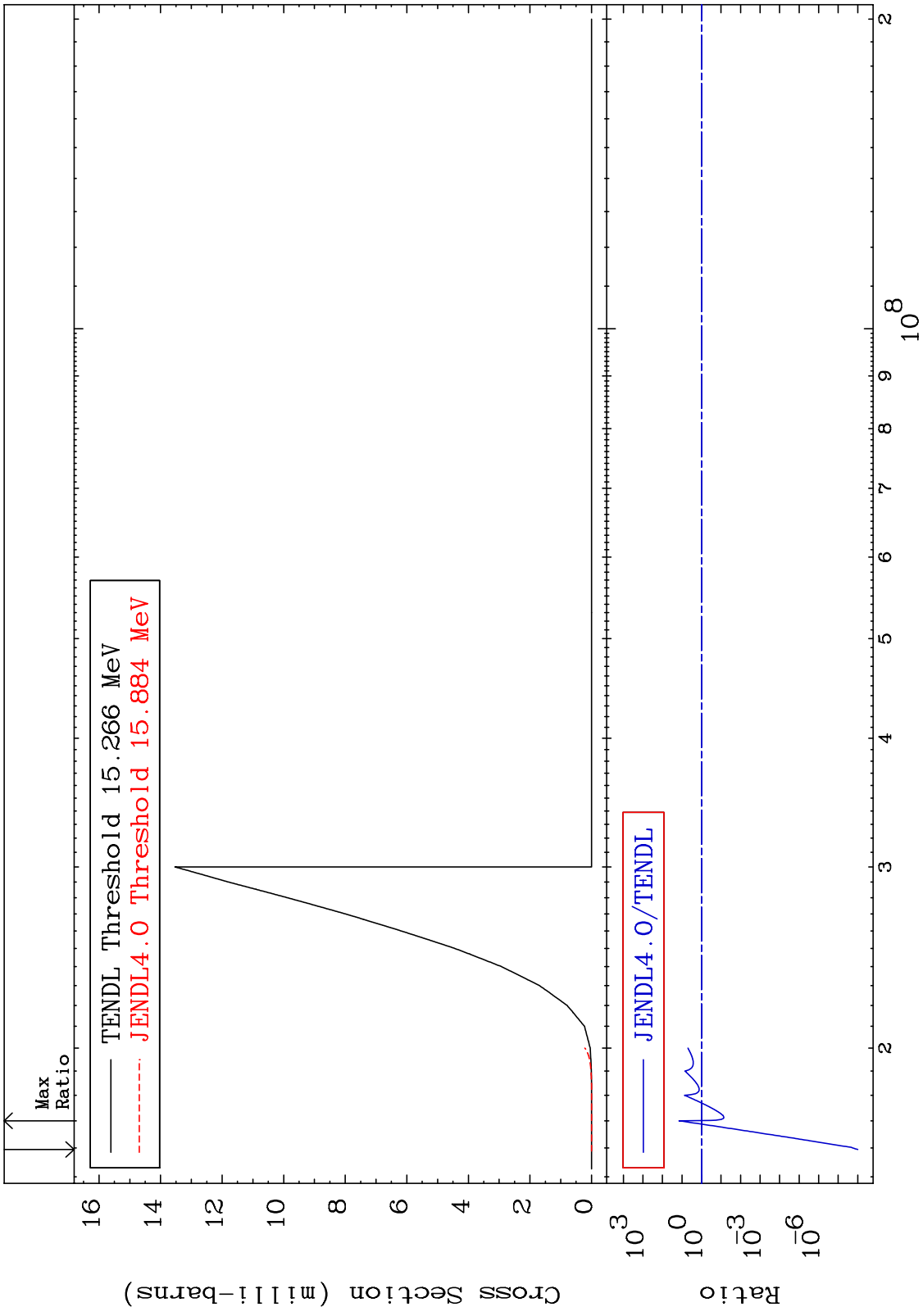
40-Zr-92

MAT 4031 (n,n') p 40-Zr-92
Cross Section -98.11 To 2257. %

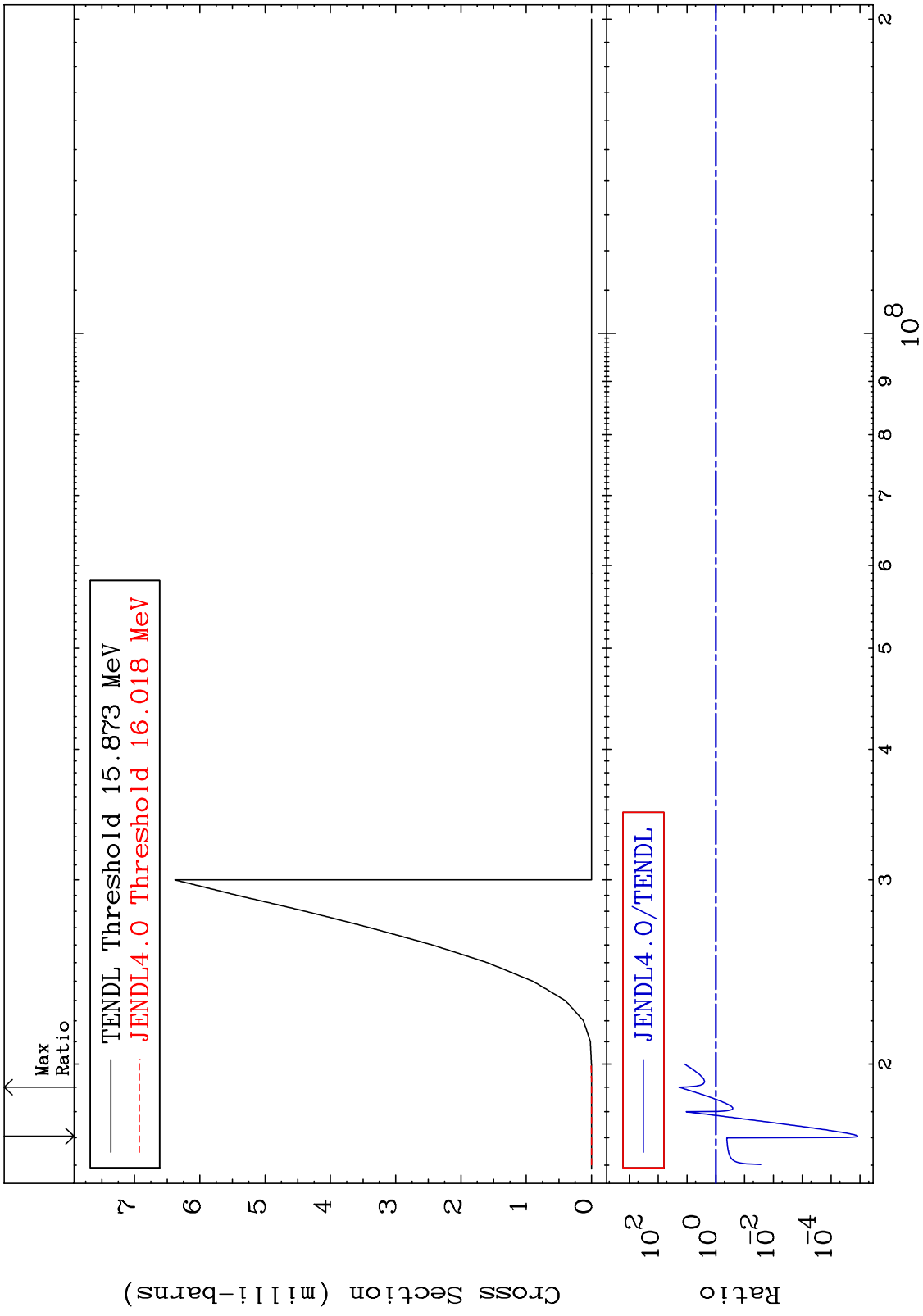


Incident Energy (eV) 40-Zr-92

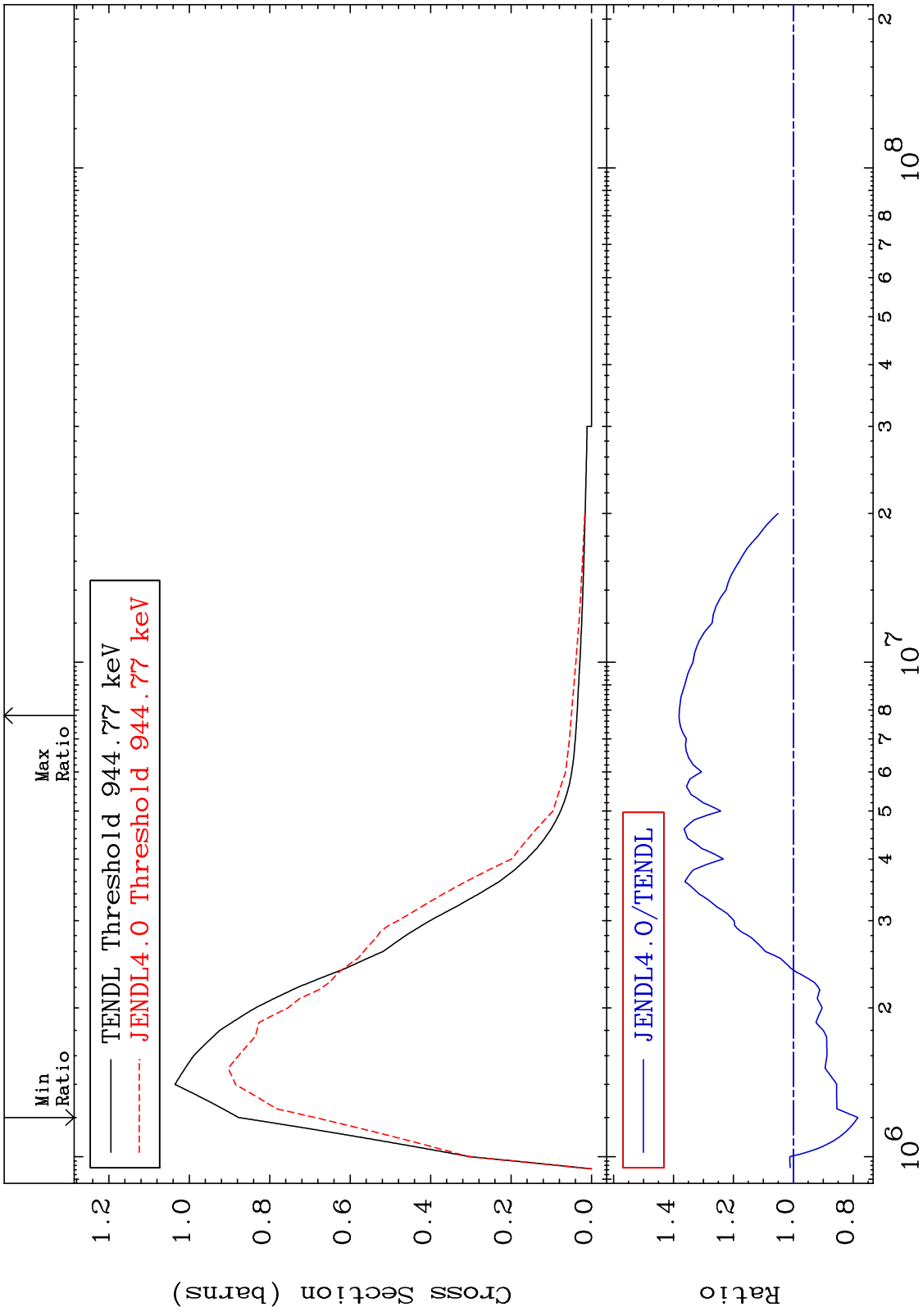
MAT 4031 (n,n') d 40-Zr-92
 Cross Section -100.0 To 1312. %



MAT 4031 (n,n') t 40-Zr-92
 Cross Section -100.0 To 1786. %



MAT 4031 MT= 51 (n,n') Level Cross Section -21.57 To 38.14 % 40-Zr-92

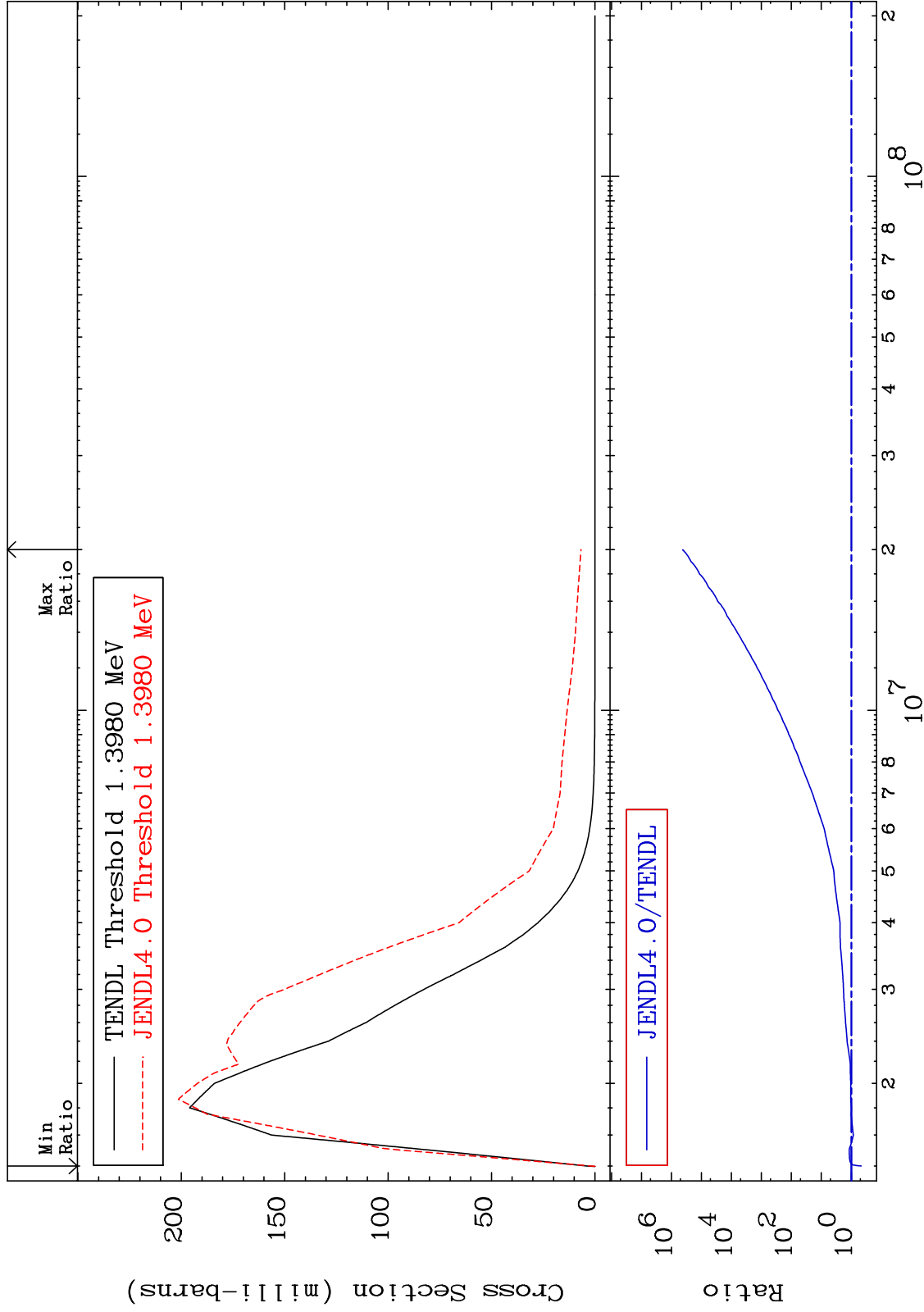


Incident Energy (eV) 40-Zr-92

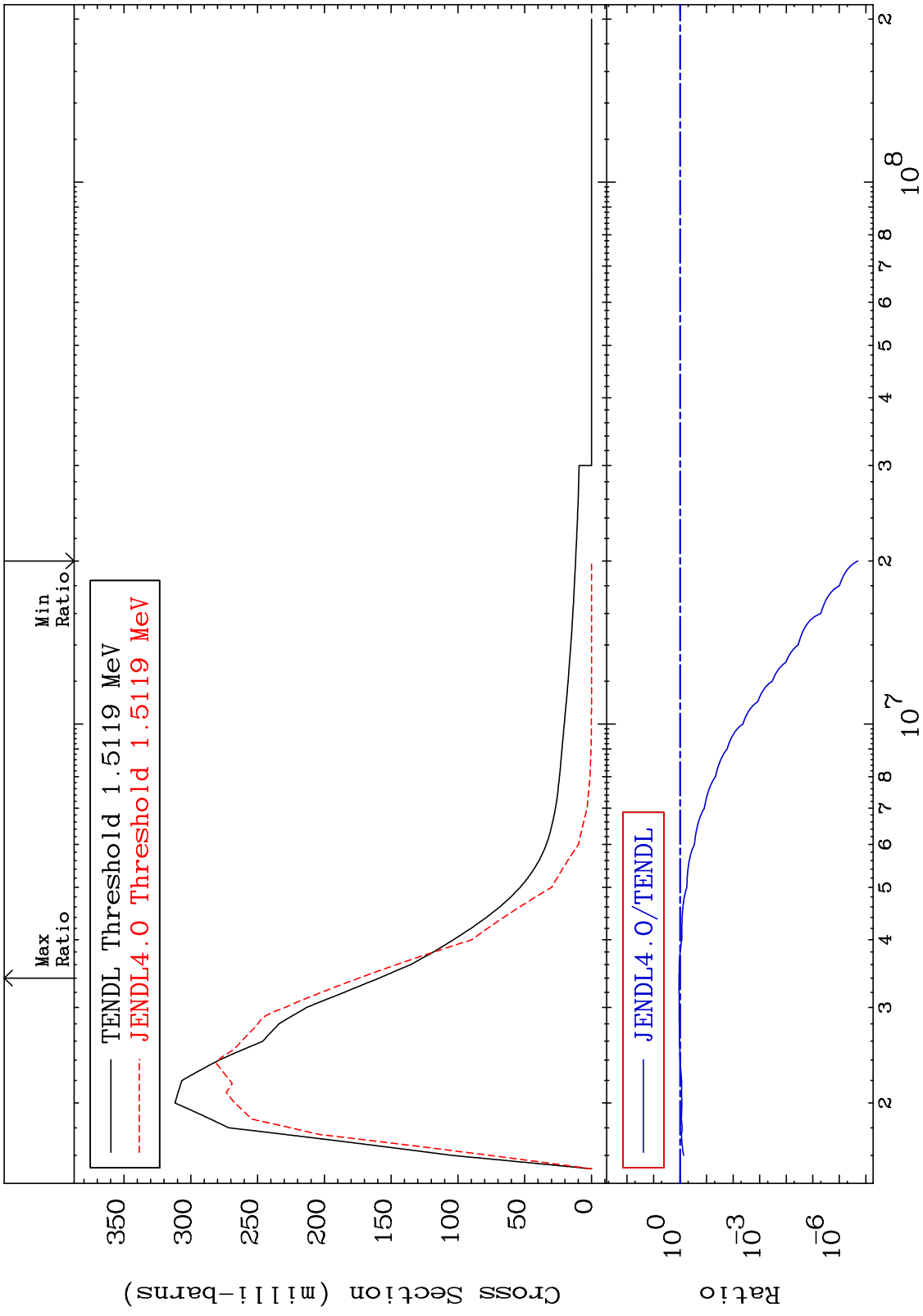
MAT 4031

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

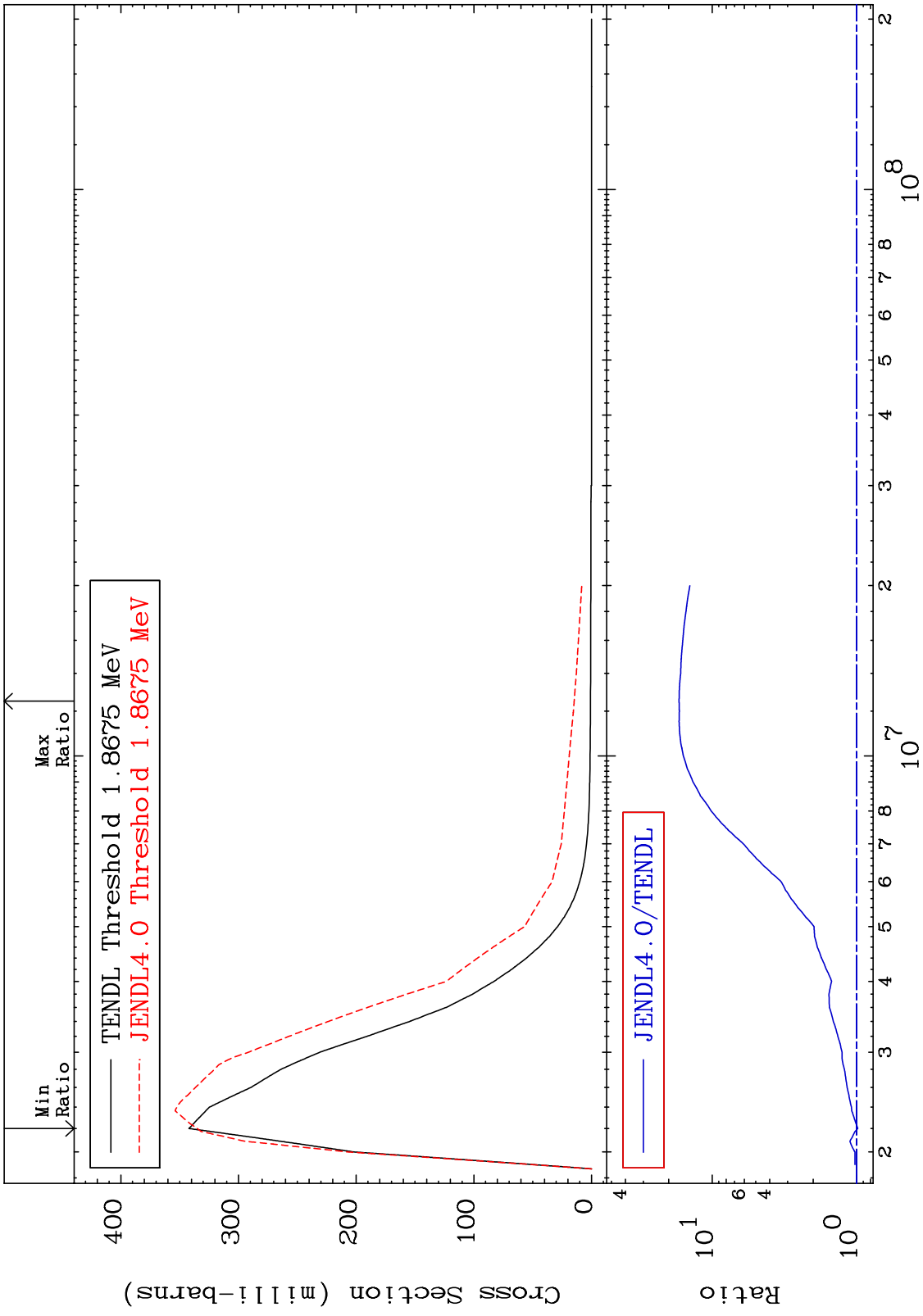
40-Zr-92
-53.56 To 9999. %



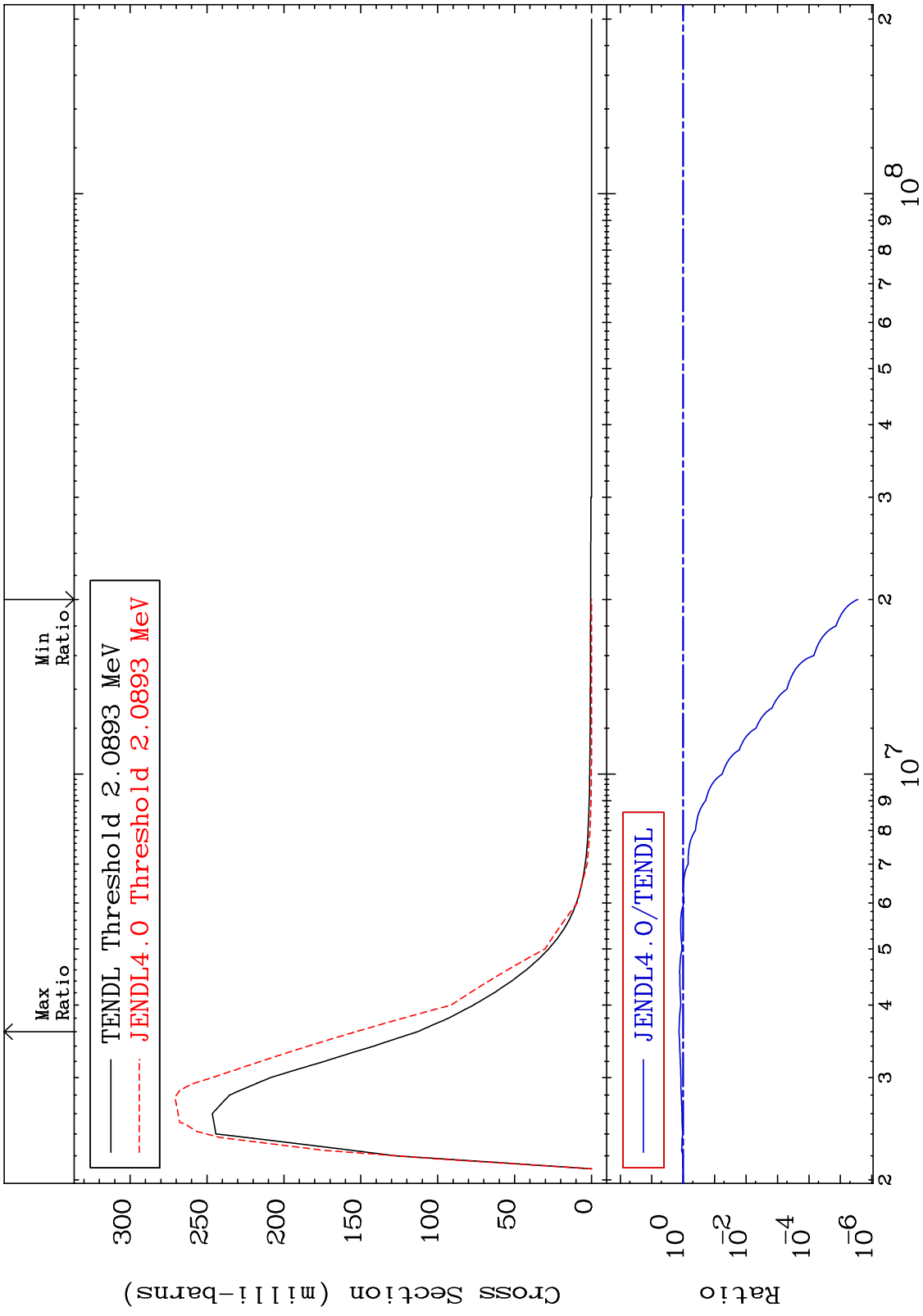
MAT 4031 MT= 53 (n,n') Level Cross Section -100.0 To 9.572 % 40-Zr-92



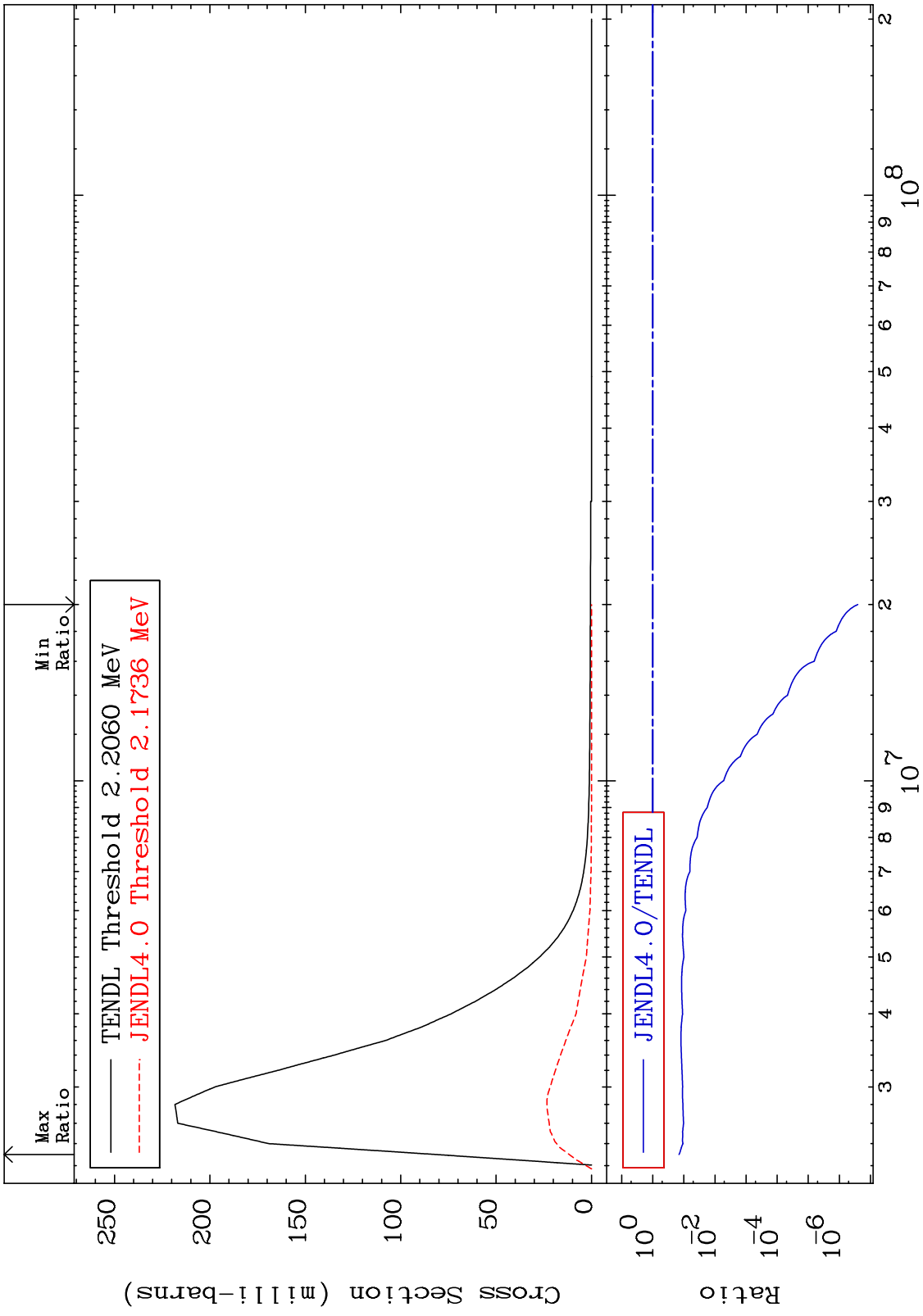
MAT 4031 MT= 54 (n,n') Level Cross Section -2.007 To 1599. % 40-Zr-92



MAT 4031 MT= 55 (n,n') Level Cross Section -100.0 To 35.53 % 40-Zr-92



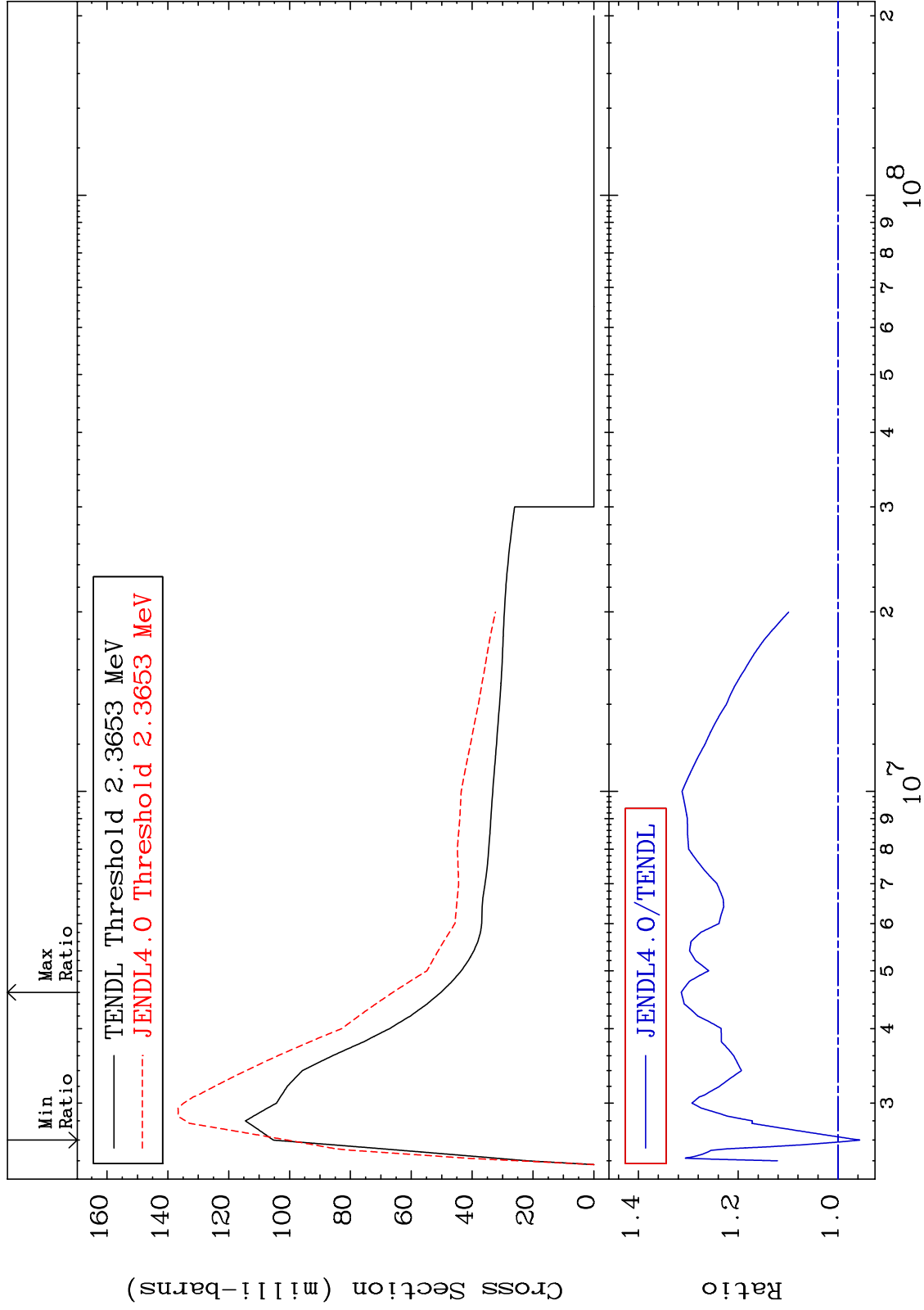
MAT 4031 MT= 56 (n,n') Level Cross Section -100.0 To -85.72% 40-Zr-92



MAT 4031

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

40-Zr-92
-4.370 To 31.41 %

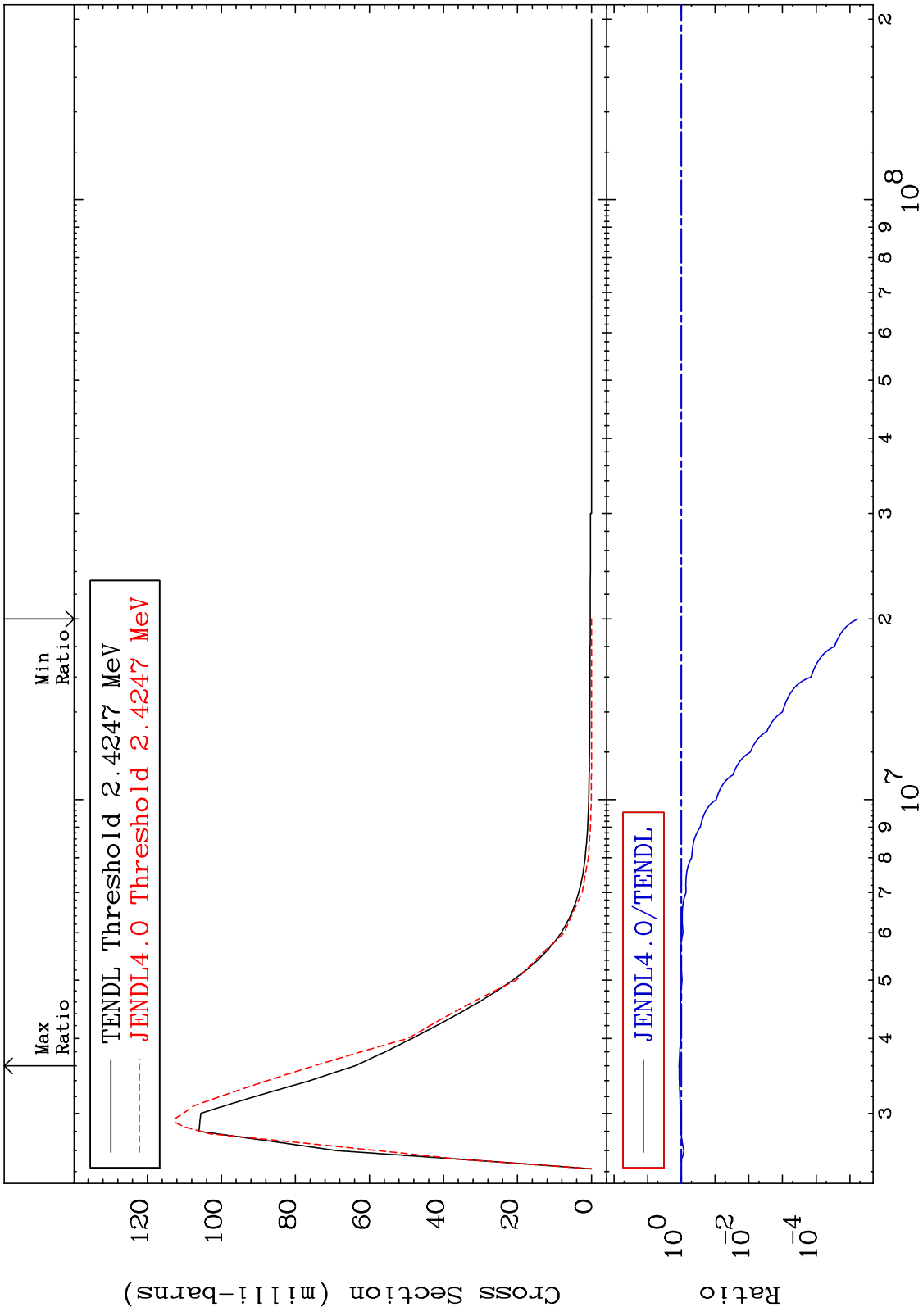


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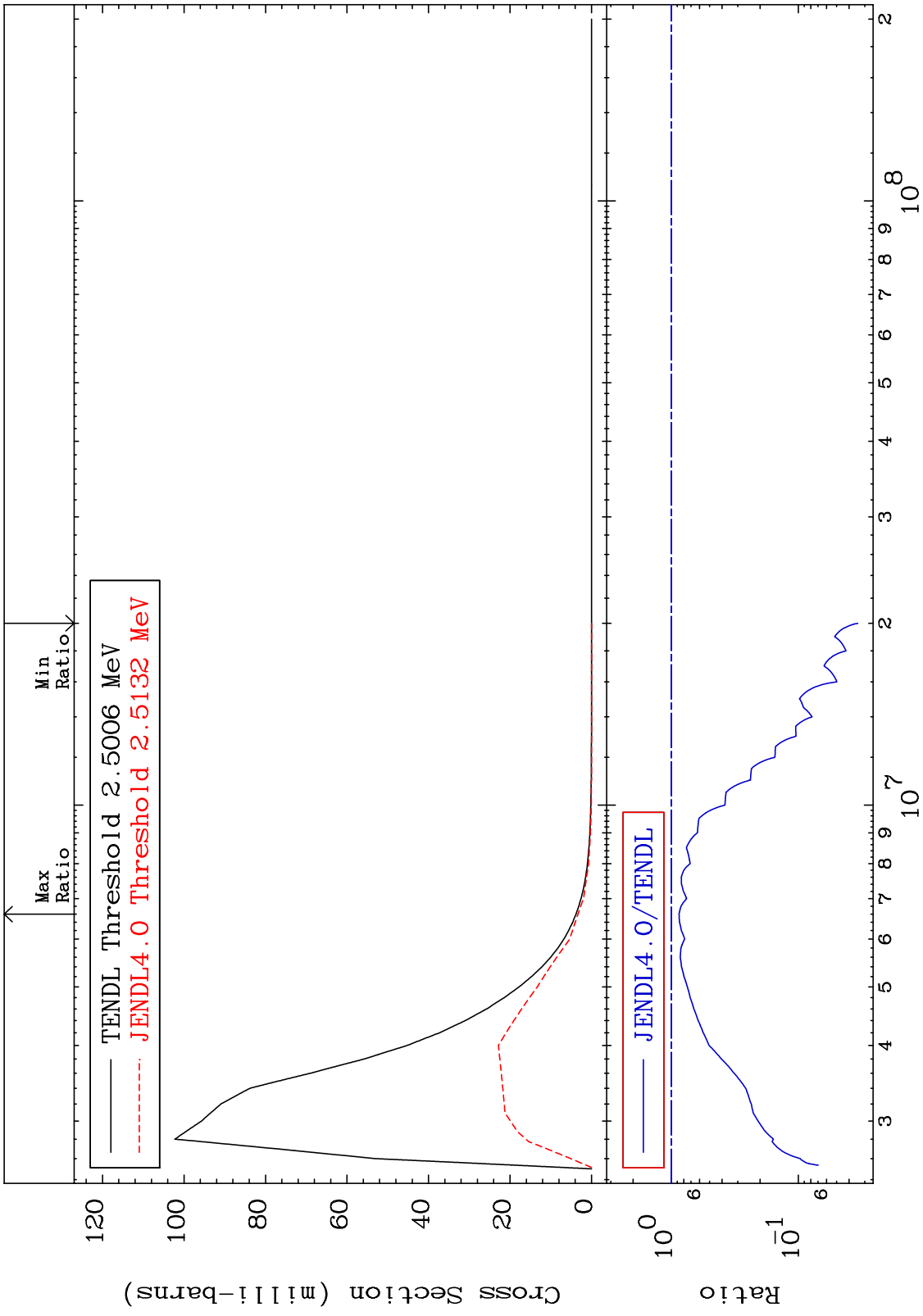
Incident Energy (eV)

40-Zr-92

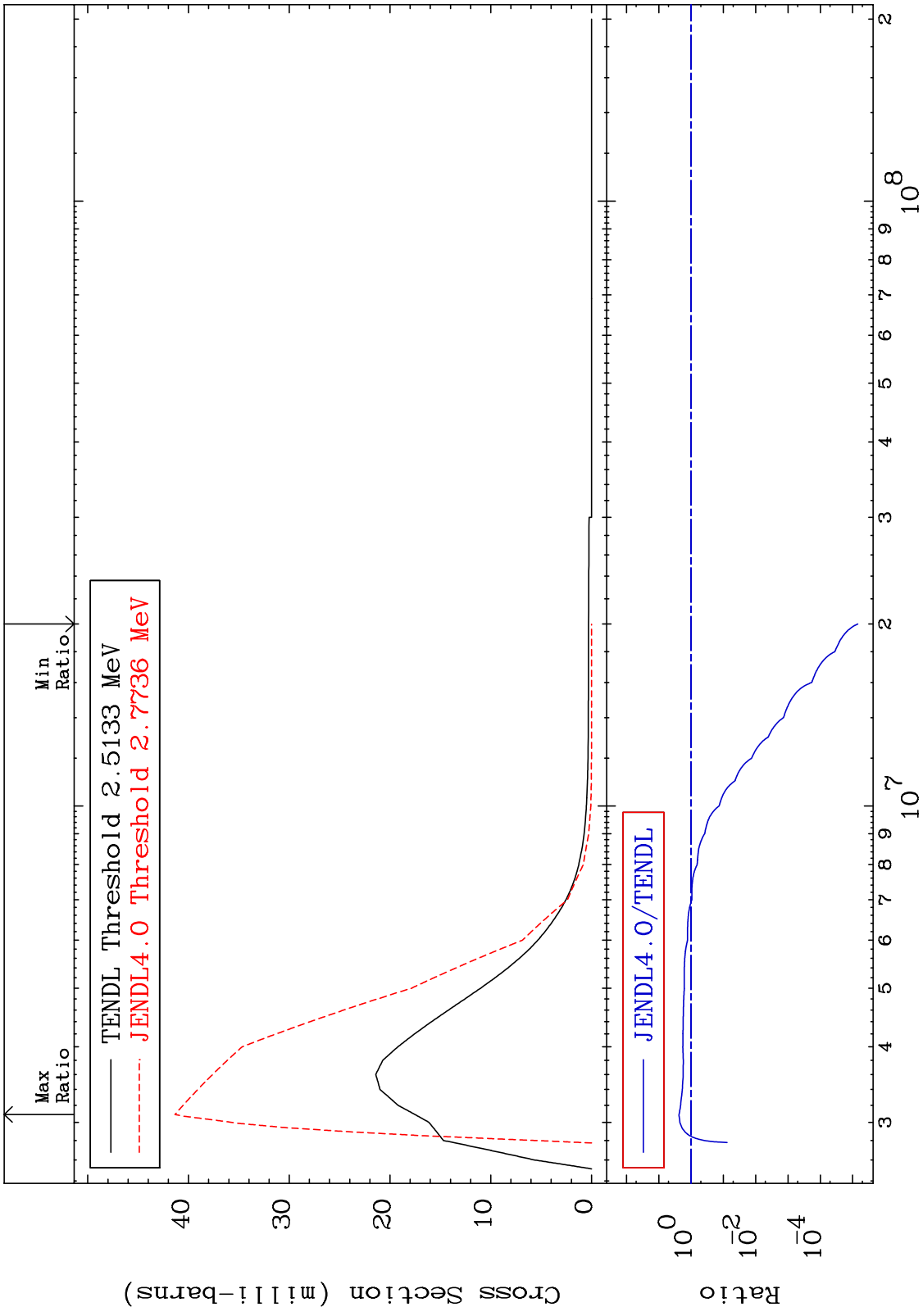
MAT 4031 MT= 58 (n,n') Level Cross Section -100.0 To 17.28 % 40-Zr-92



MAT 4031 MT= 59 (n,n') Level Cross Section 40-Zr-92
 -96.59 To -12.95%



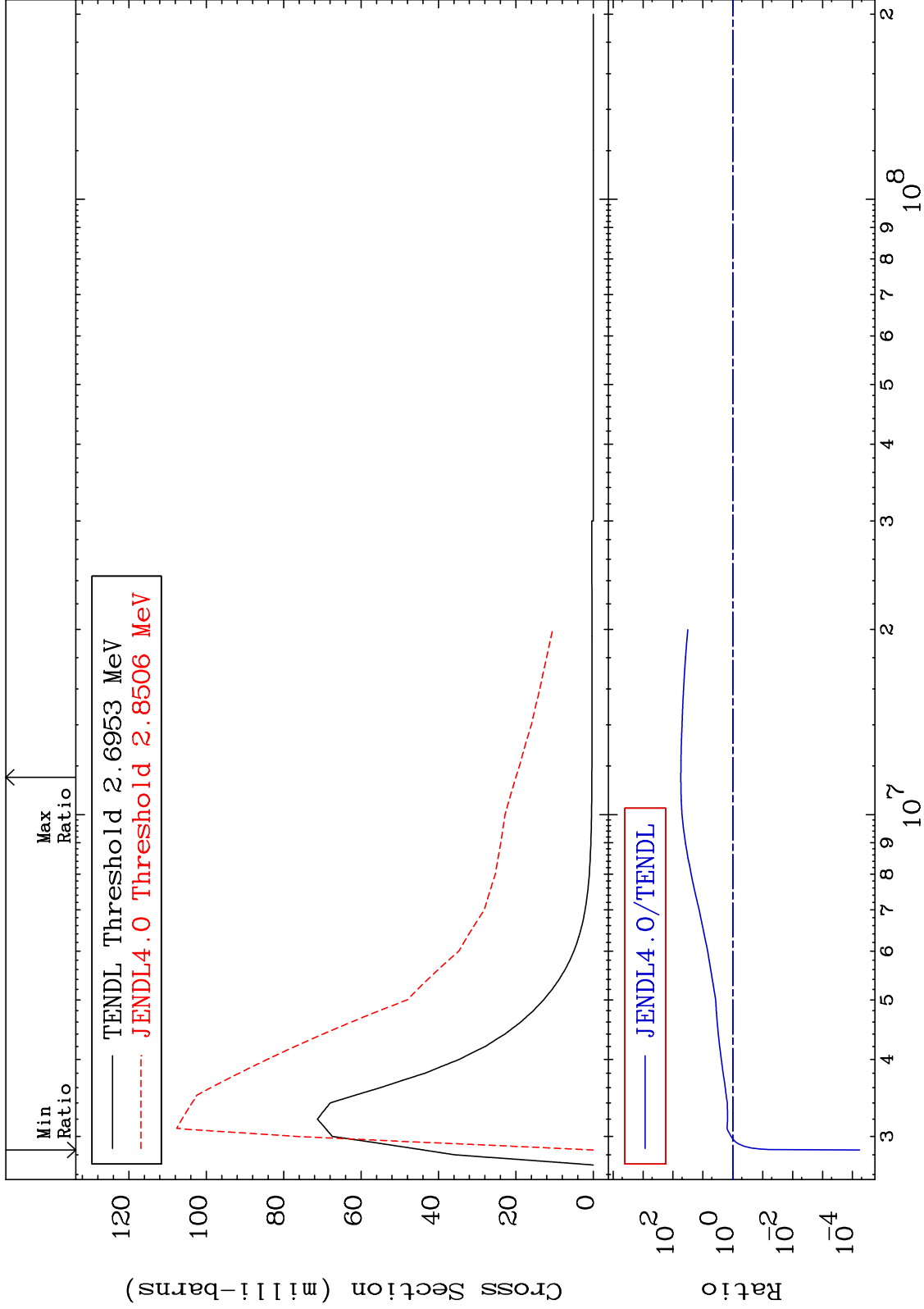
MAT 4031 MT= 60 (n,n') Level Cross Section -100.0 To 135.8 % 40-Zr-92



MAT 4031

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

40-Zr-92
-99.99 To 5363. %



20

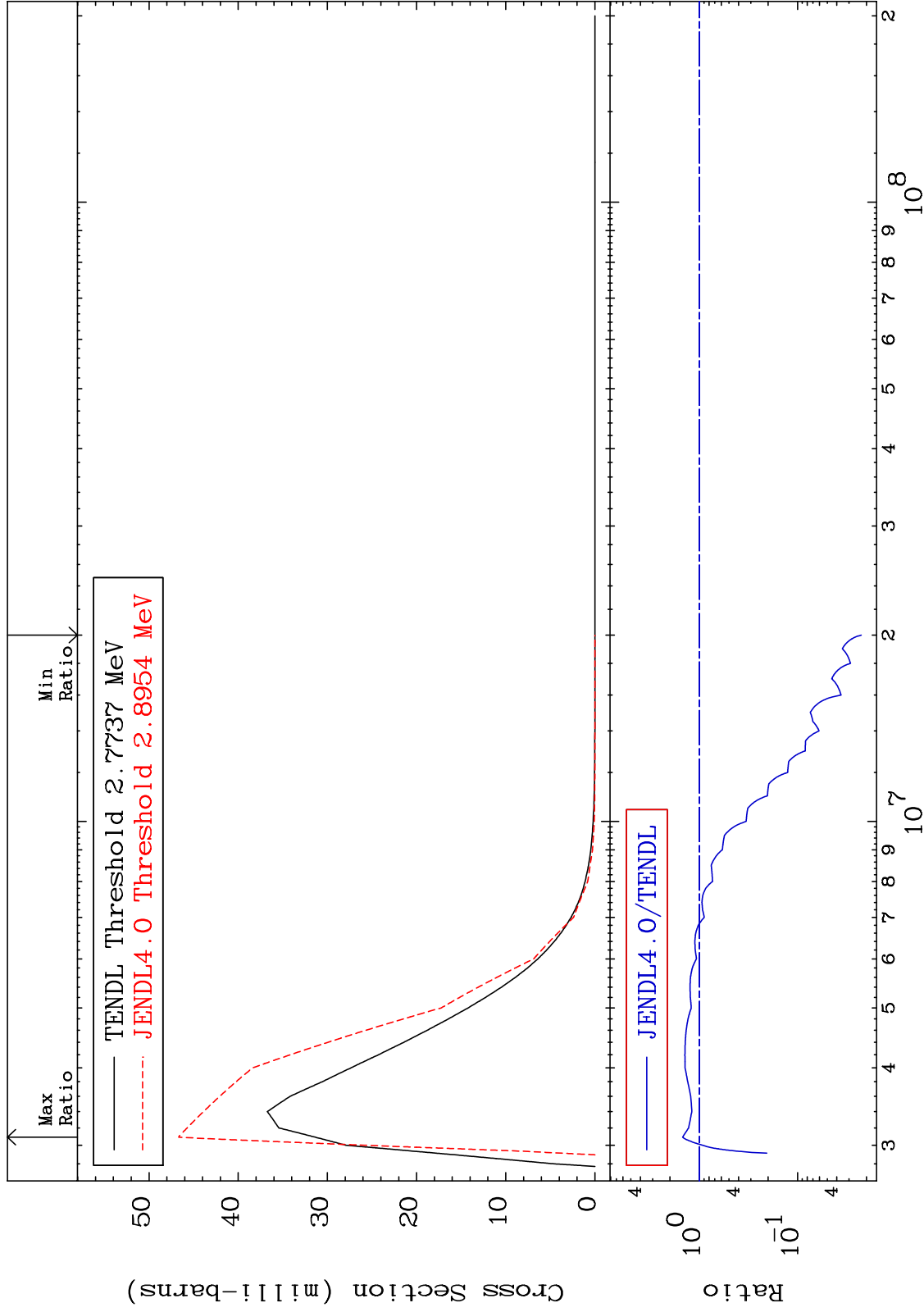
Incident Energy (eV)

40-Zr-92

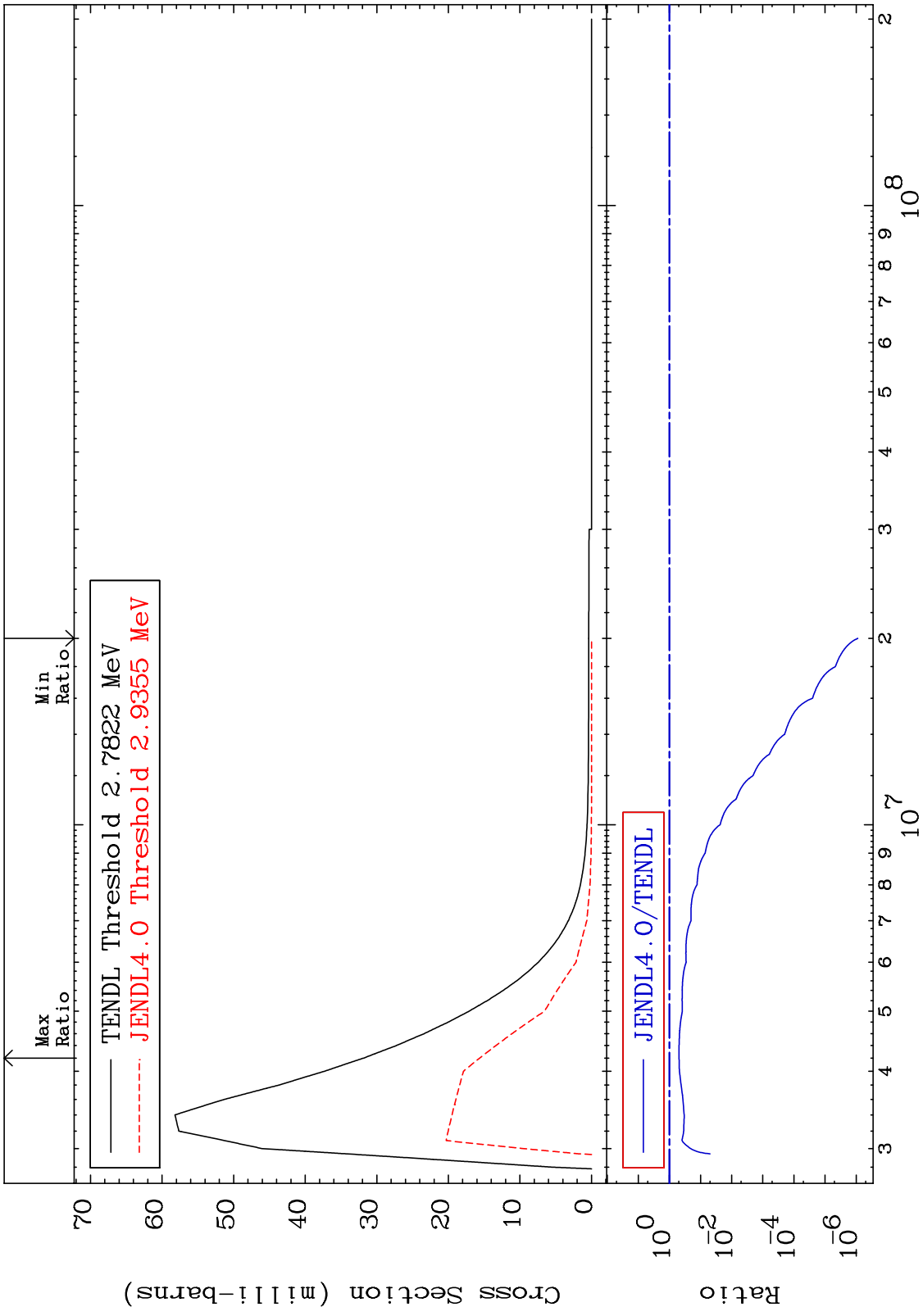
MAT 4031

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

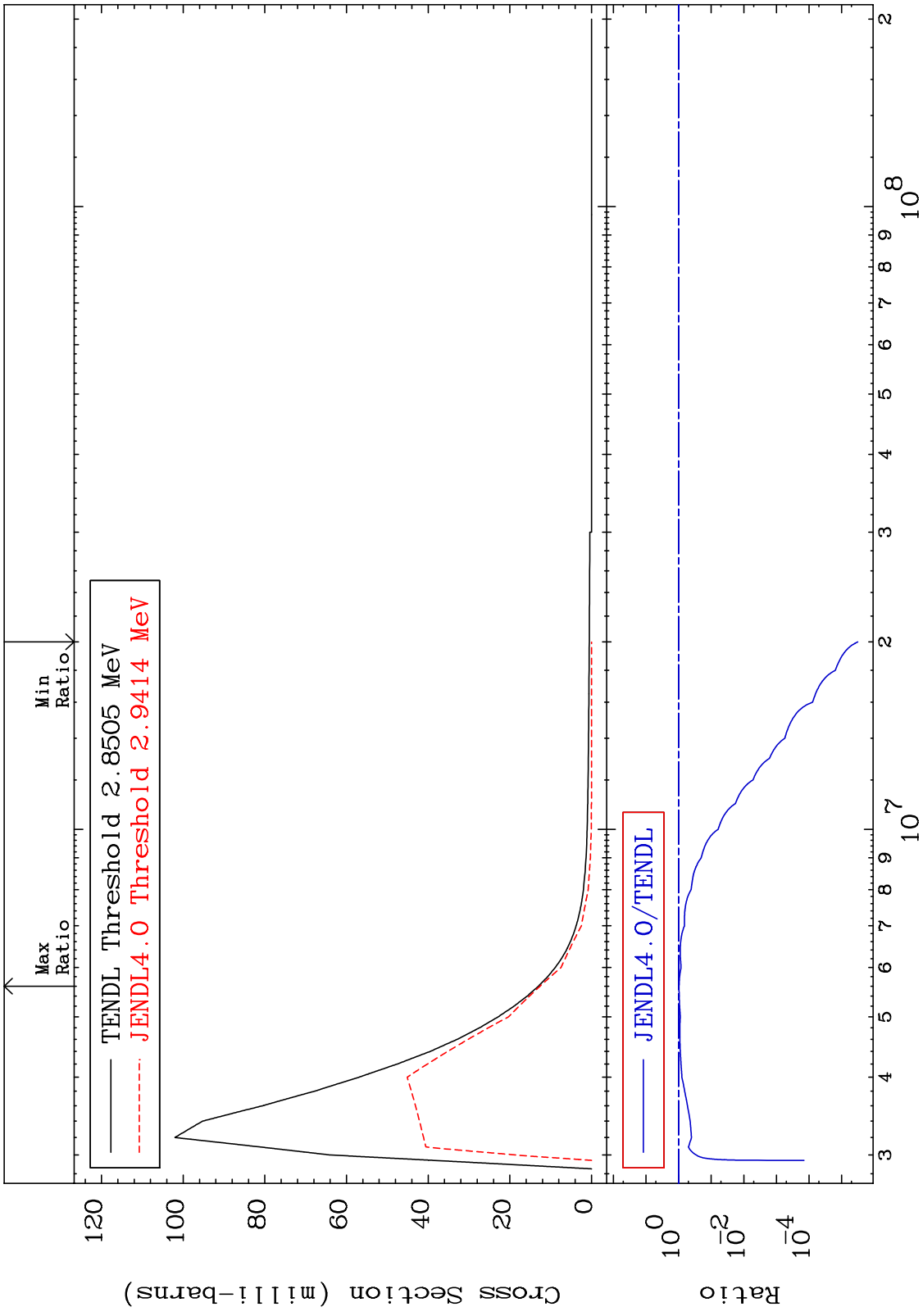
40-Zr-92
-97.75 To 48.98 %



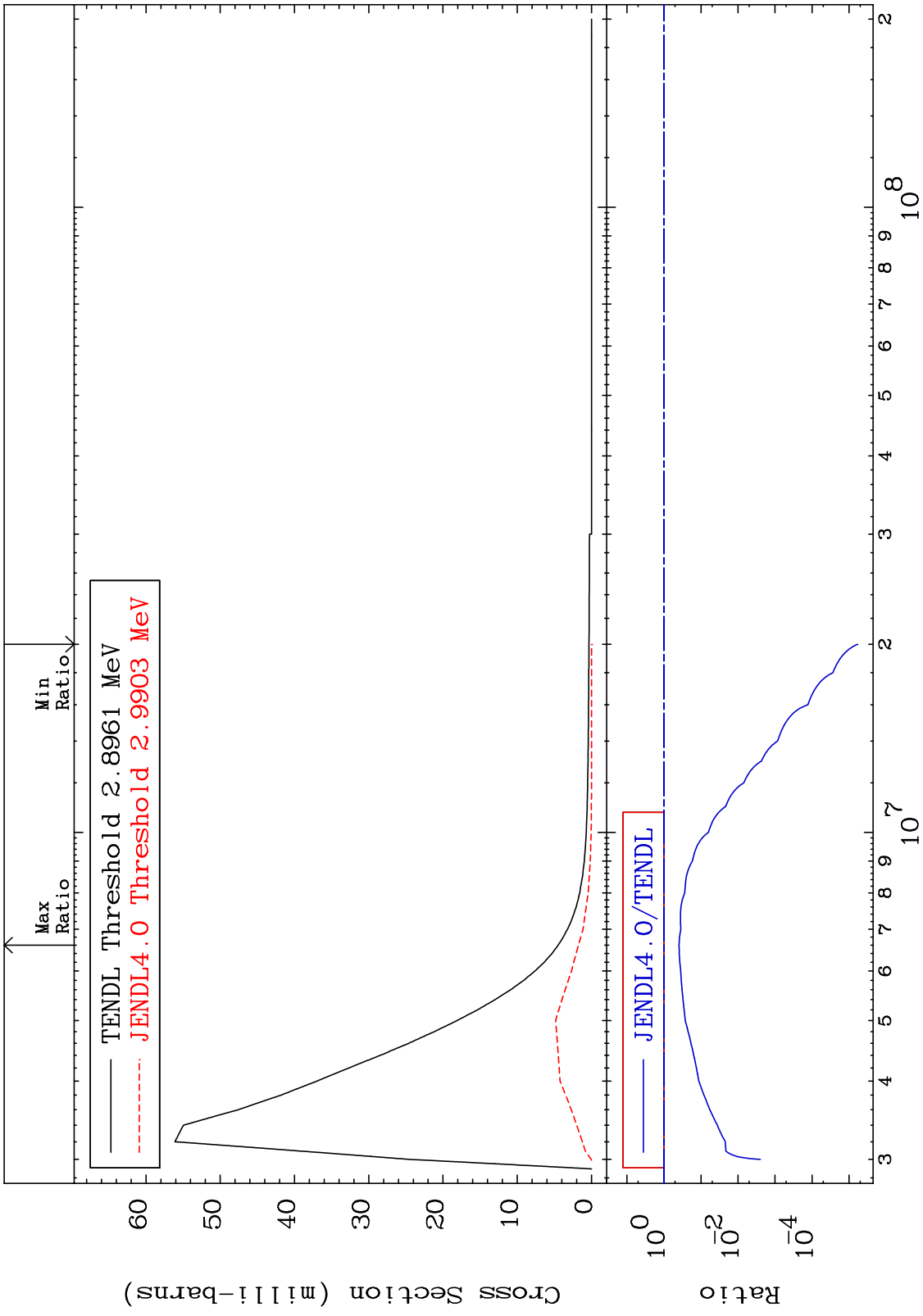
MAT 4031 MT= 63 (n,n') Level Cross Section -100.0 To -50.92% 40-Zr-92



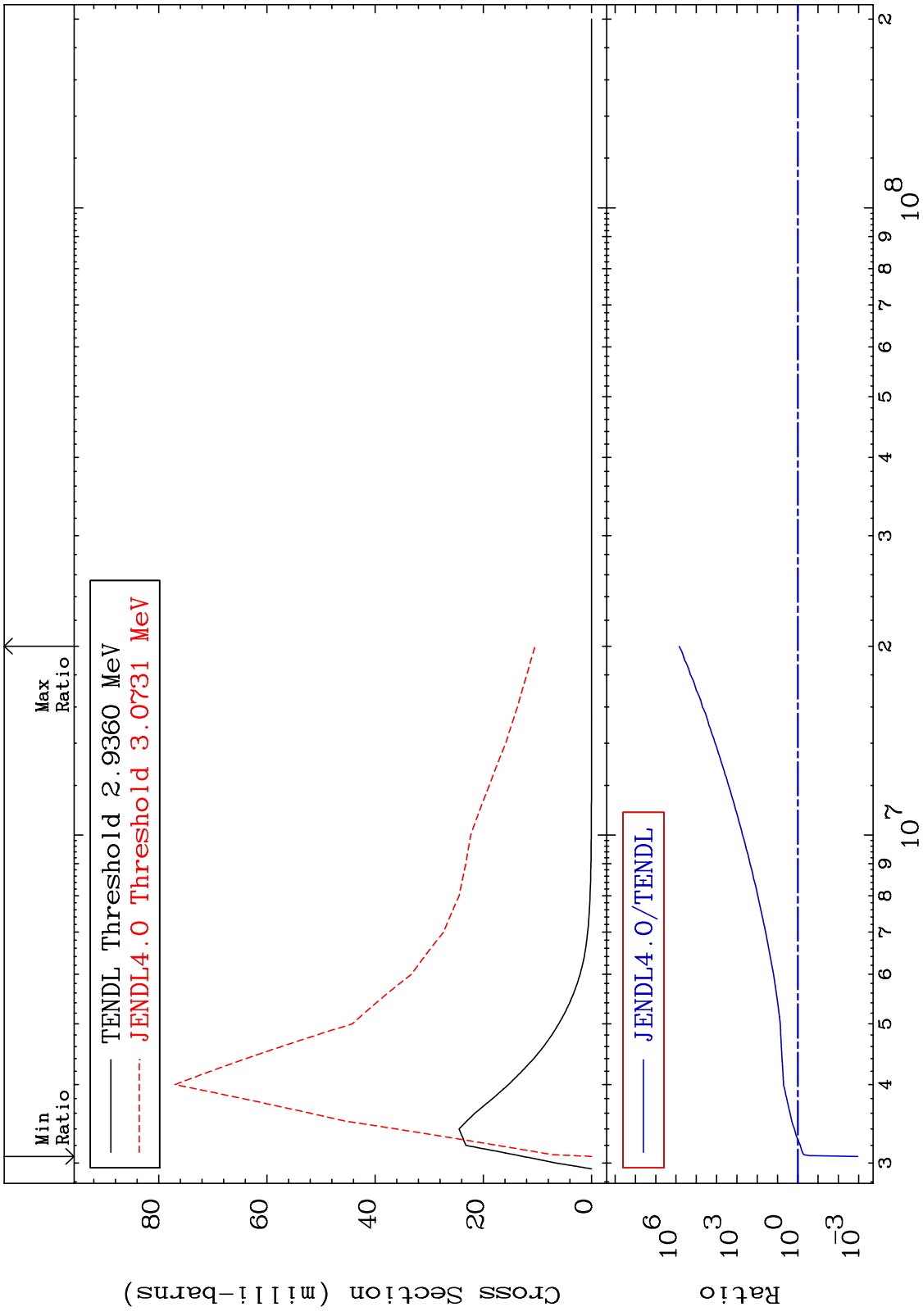
MAT 4031 MT= 64 (n,n') Level Cross Section 40-Zr-92
 -100.0 To -3.061%



MAT 4031 MT= 65 (n,n') Level Cross Section 40-Zr-92
 -100.0 To -60.79%



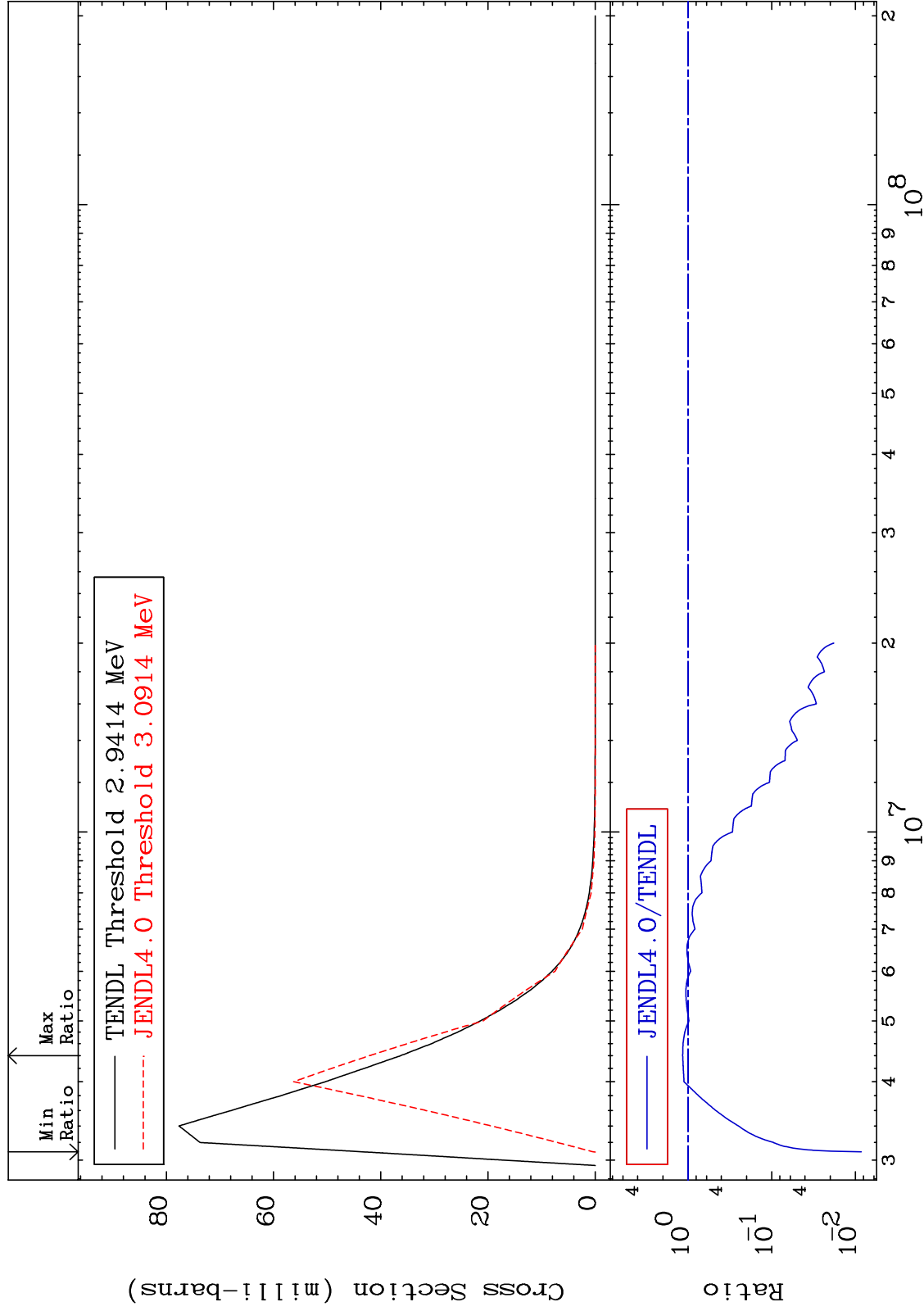
MAT 4031 MT= 66 (n,n') Level Cross Section -99.89 To 9999. % 40-Zr-92



MAT 4031

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

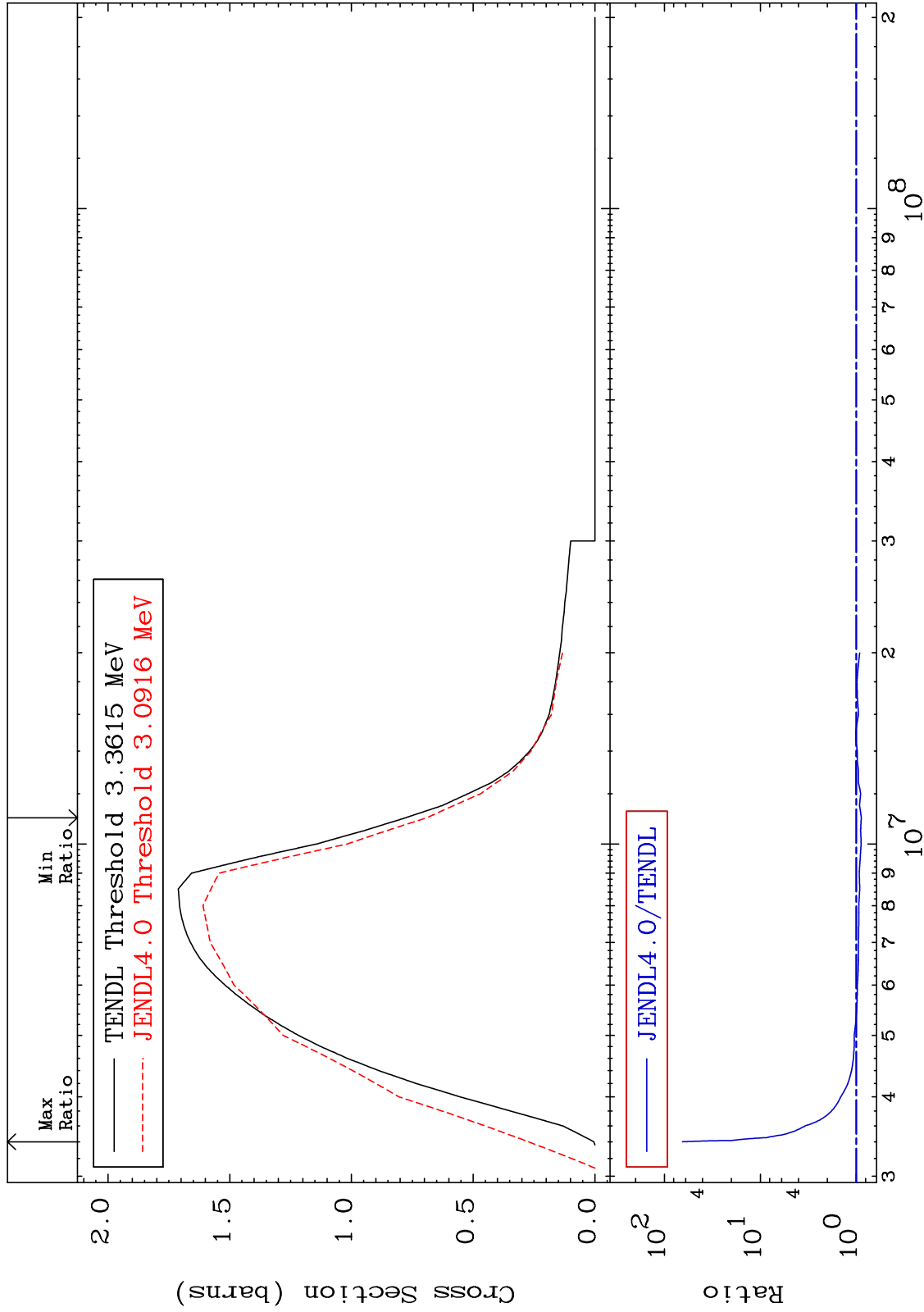
40-Zr-92
-99.15 To 15.96 %



MAT 4031

(n,n') Continuum
Cross Section

40-Zr-92
-11.24 To 6383. %



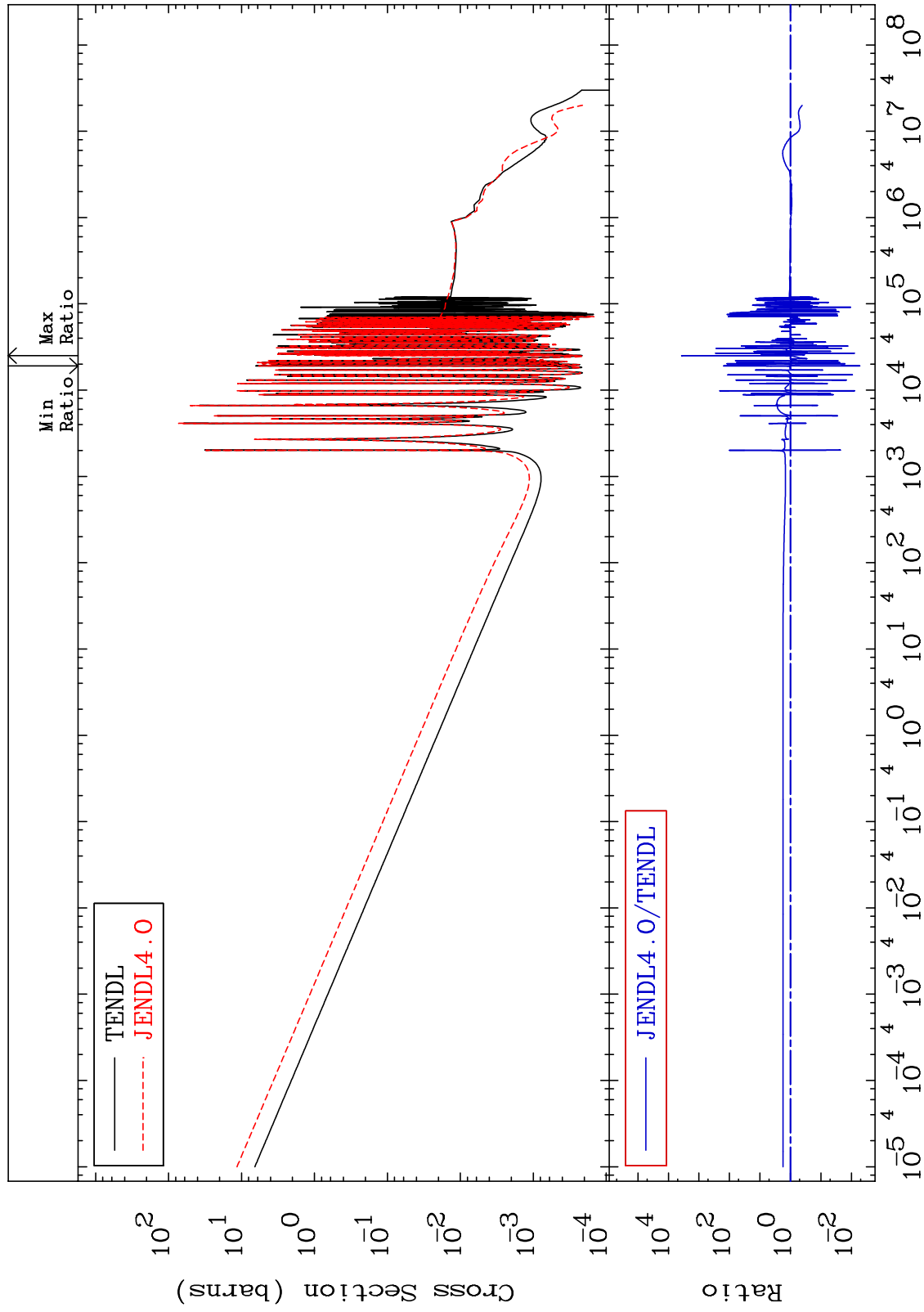
MAT 4031

(n, γ)

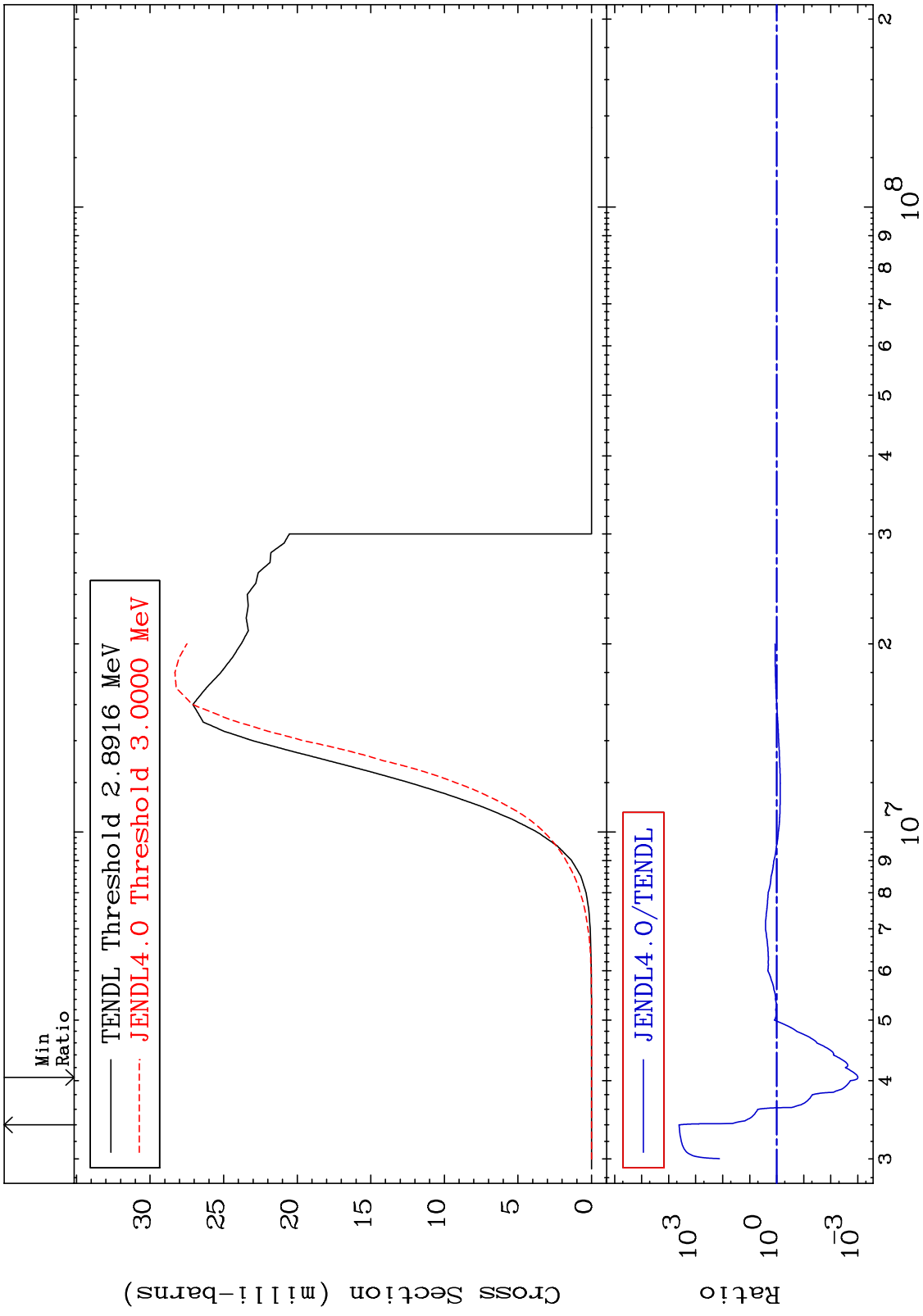
40-Zr-92

Cross Section

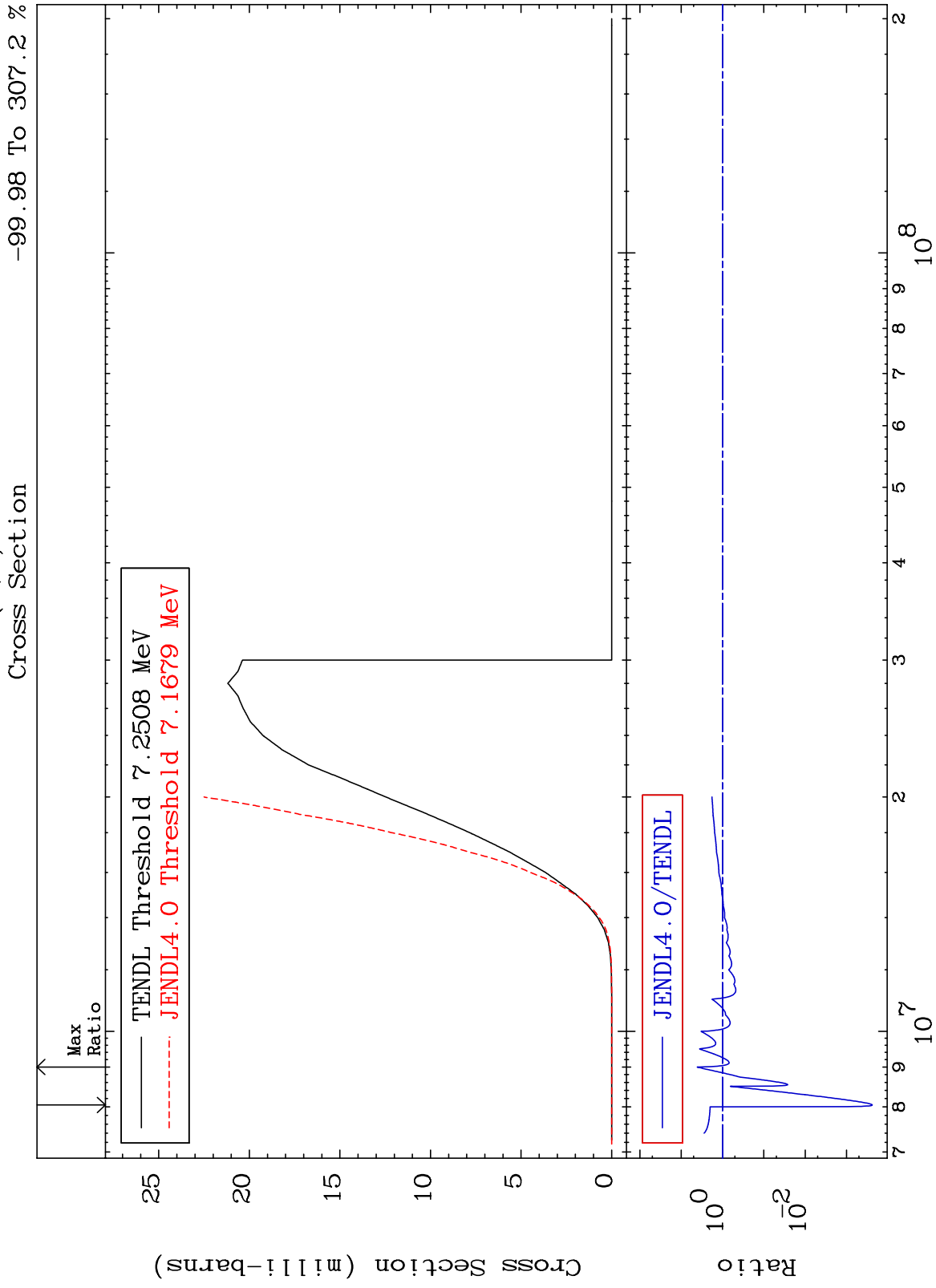
-99.47 To 9999. %



MAT 4031 (n,p) Cross Section 40-Zr-92 -99.90 To 9999. %

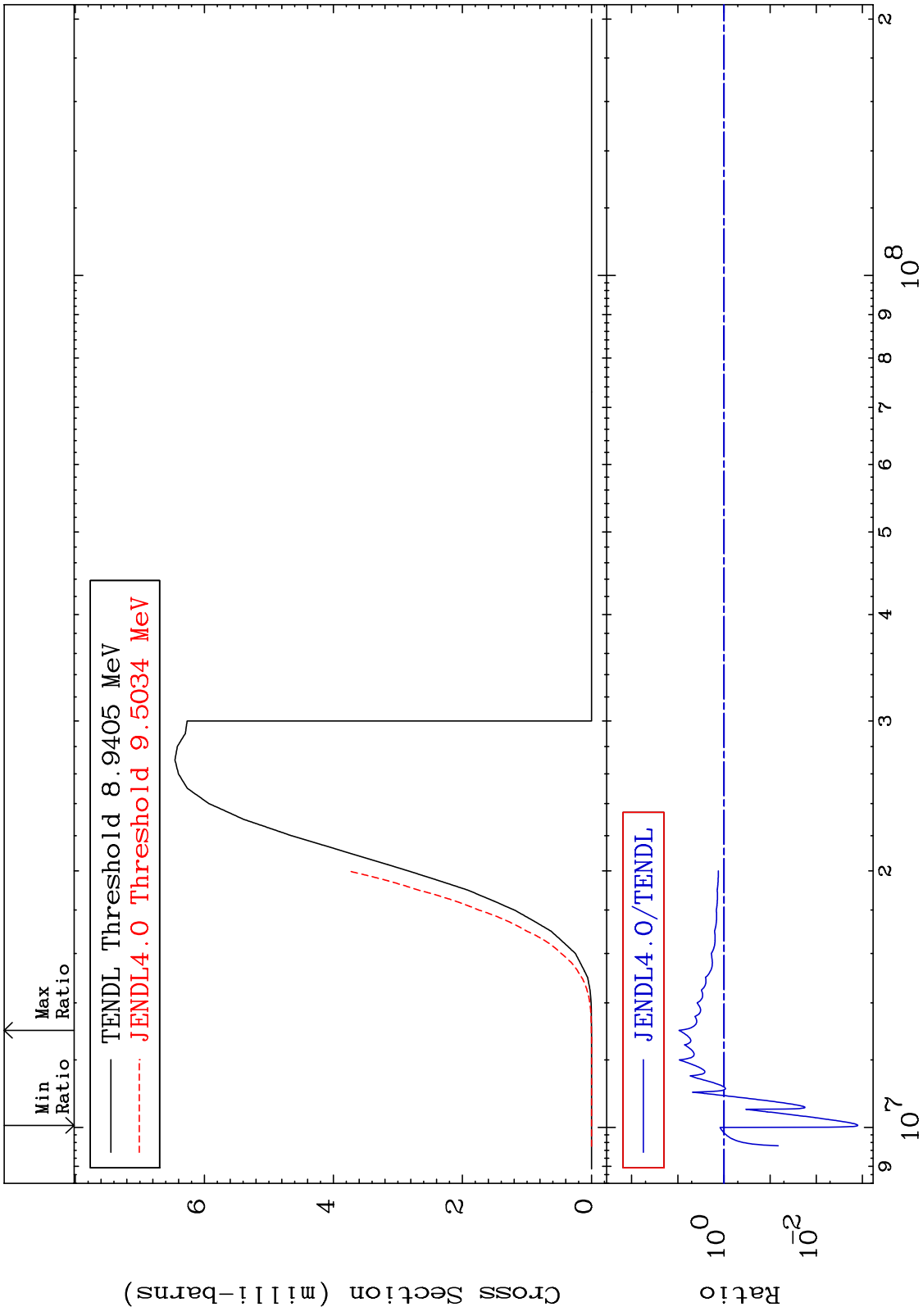


MAT 4031 (n,d) 40-Zr-92 -99.98 To 307.2 %



30 40-Zr-92

MAT 4031 (n,t) 40-Zr-92
 Cross Section -99.87 To 839.4 %



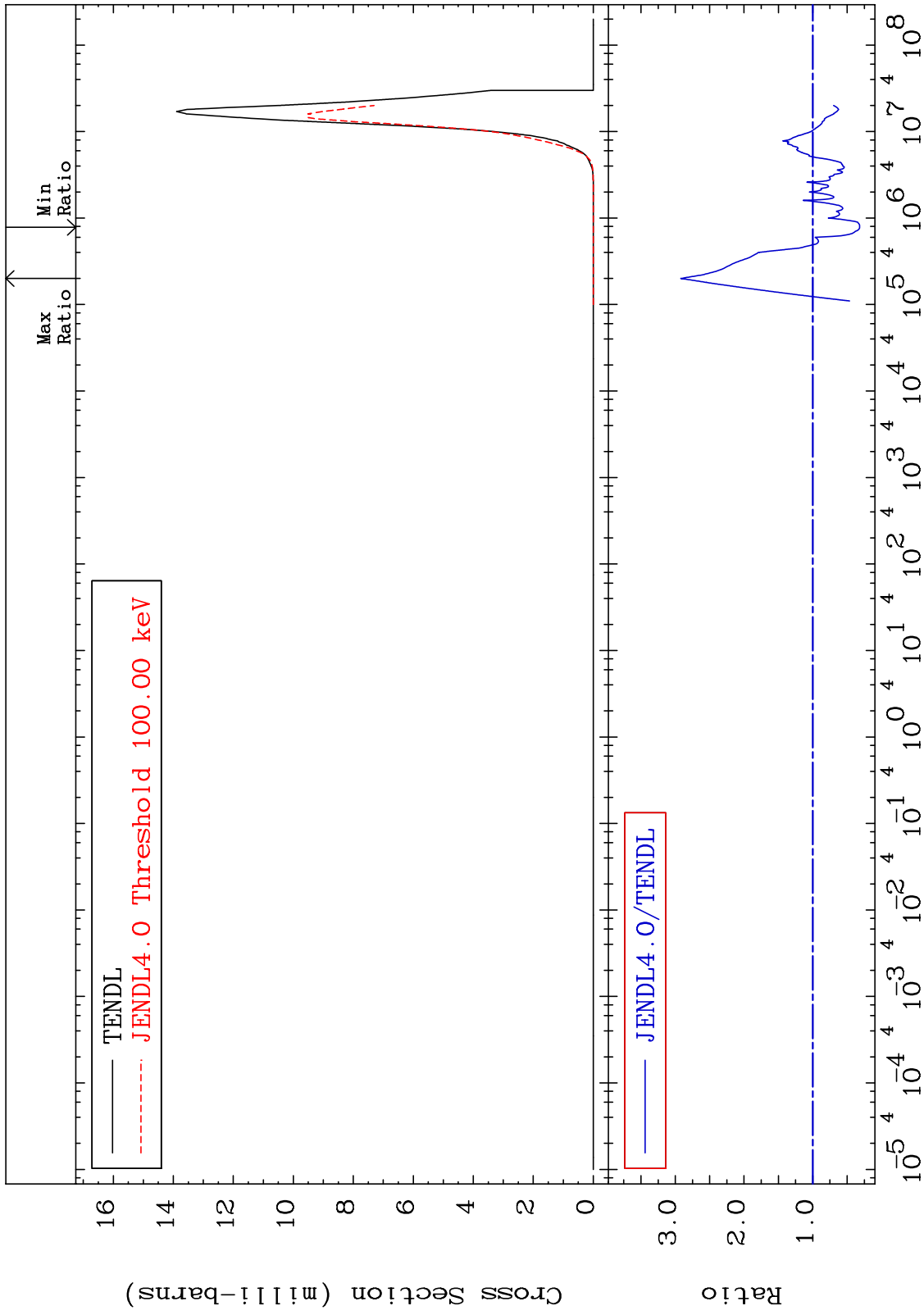
MAT 4031

(n, α)

40-Zr-92

Cross Section

-68.22 To 192.0 %



32

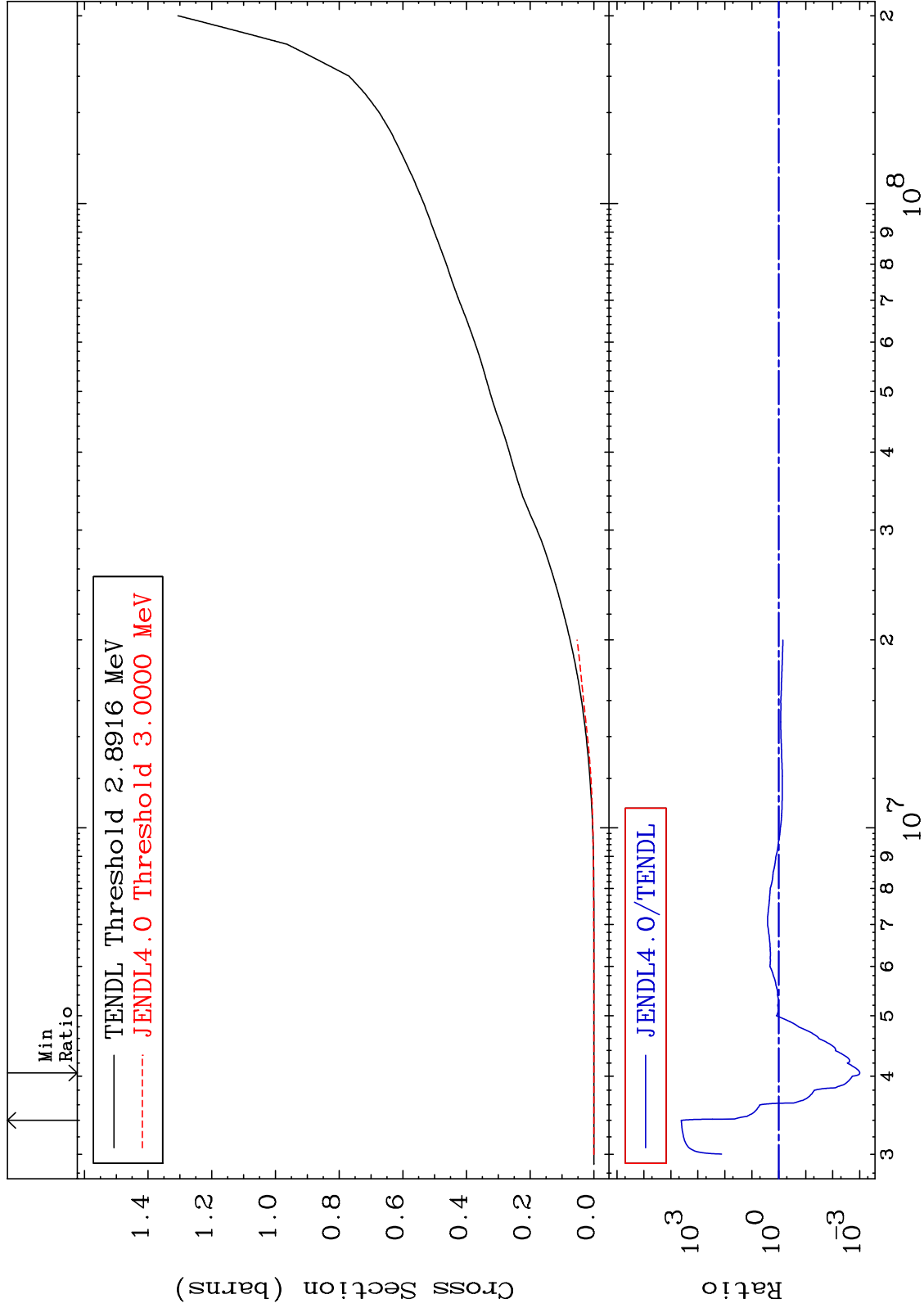
Incident Energy (eV)

40-Zr-92

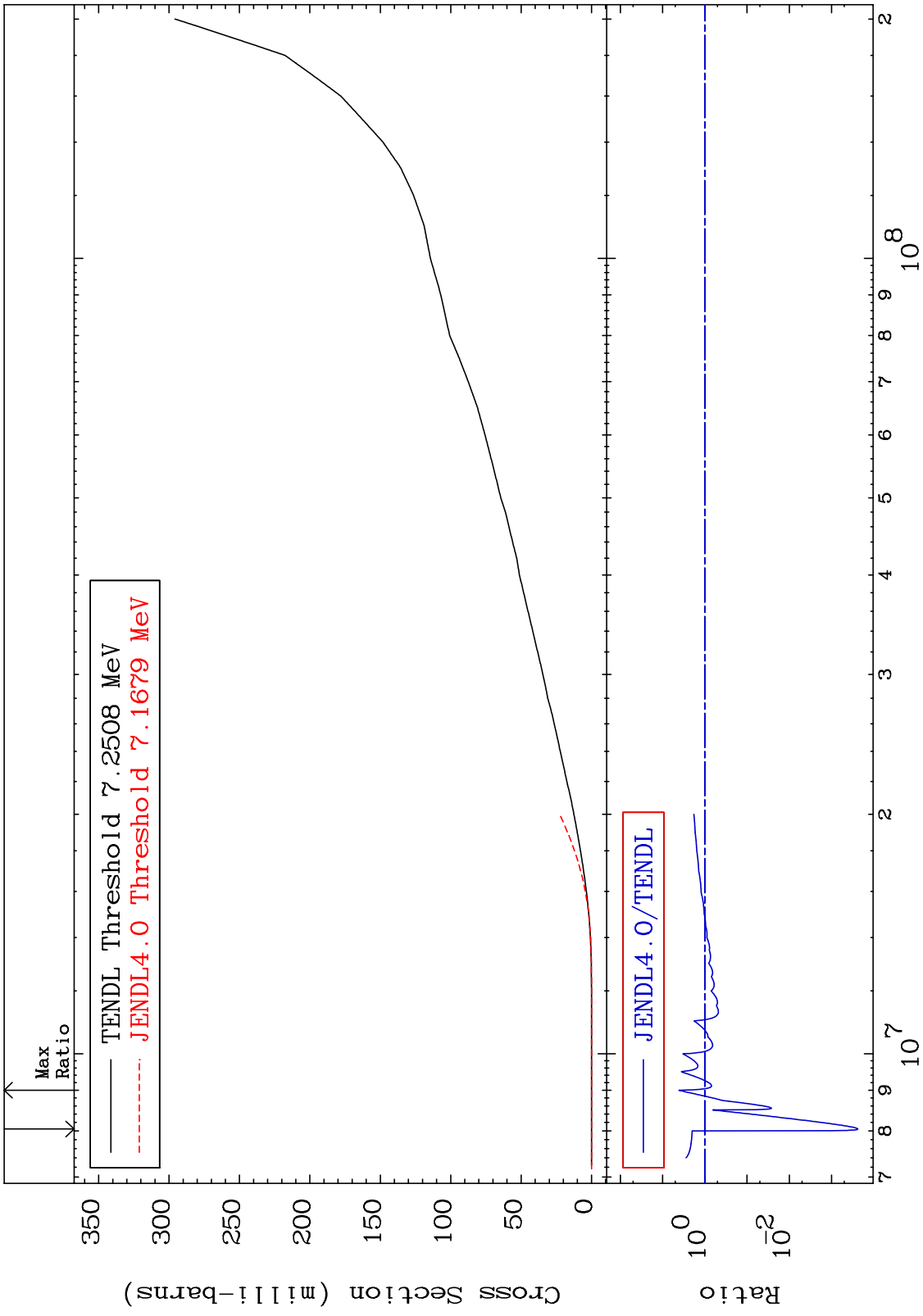
MAT 4031

Hydrogen Production
Cross Section

40-Zr-92
-99.90 To 9999. %



MAT 4031 Deuterium Production Cross Section 40-Zr-92 -99.98 To 307.2 %

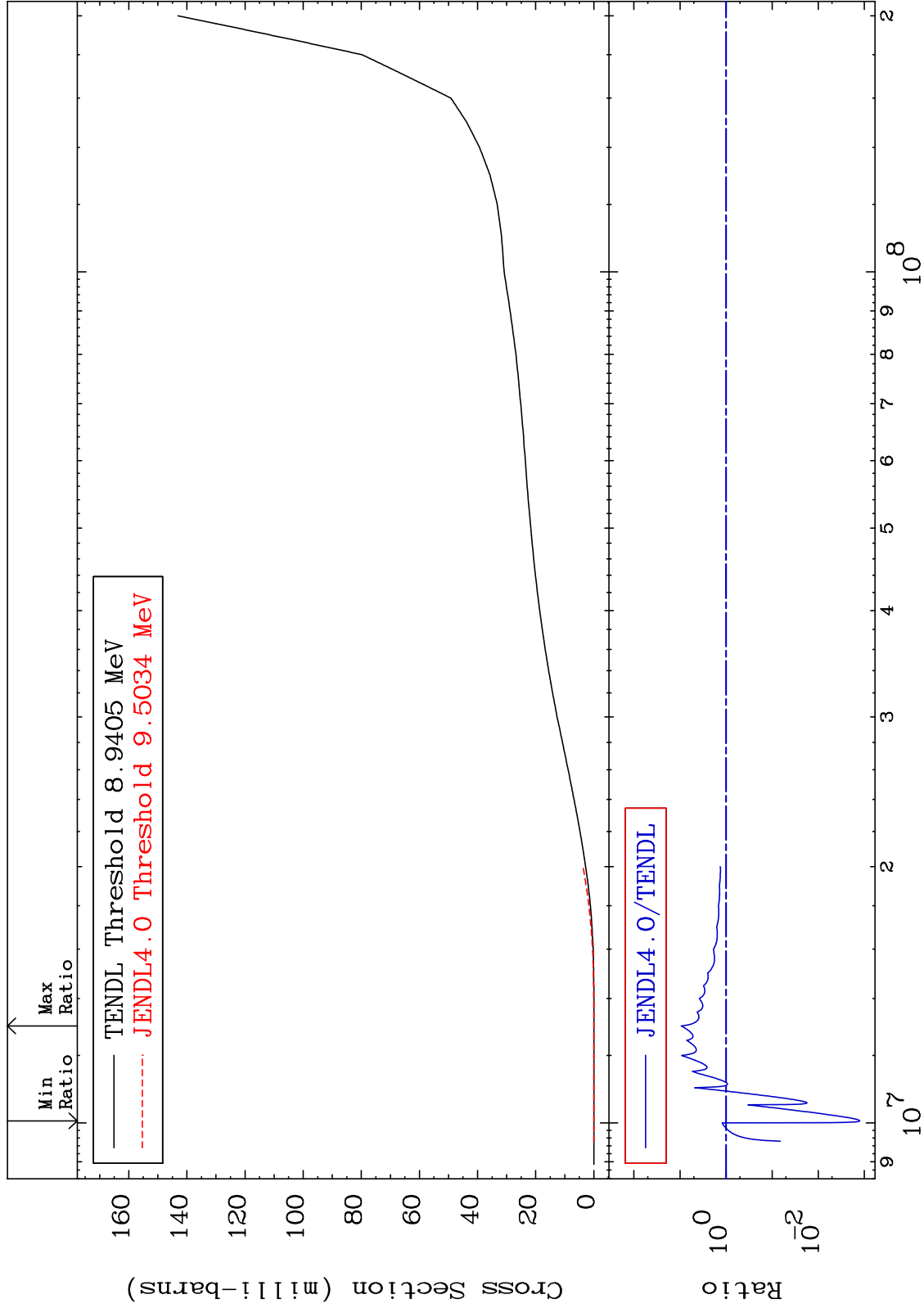


34 40-Zr-92

MAT 4031

Tritium Production
Cross Section

40-Zr-92
-99.87 To 839.4 %



35

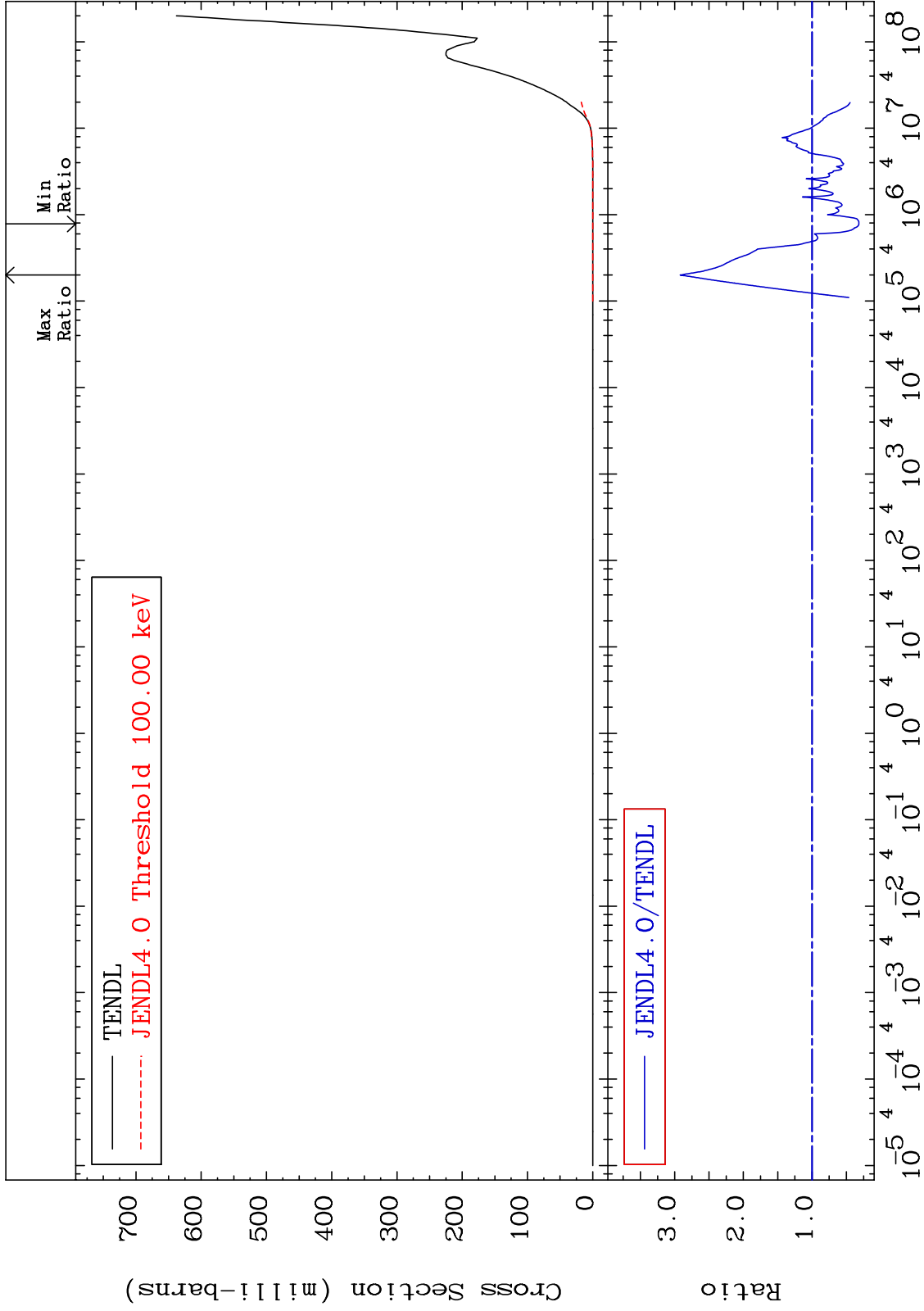
Incident Energy (eV)

40-Zr-92

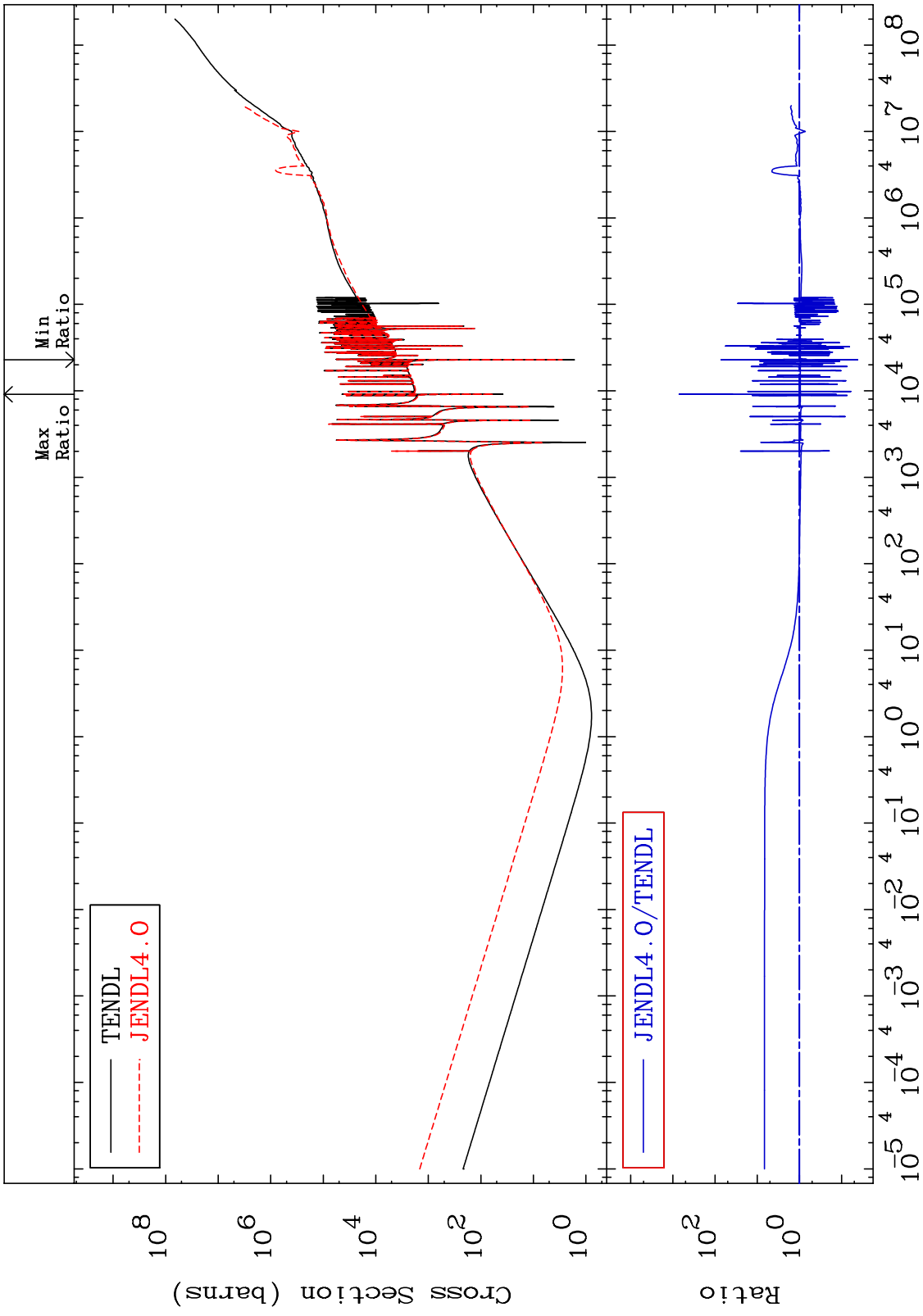
MAT 4031

He-4 Production
Cross Section

40-Zr-92
-68.22 To 192.0 %



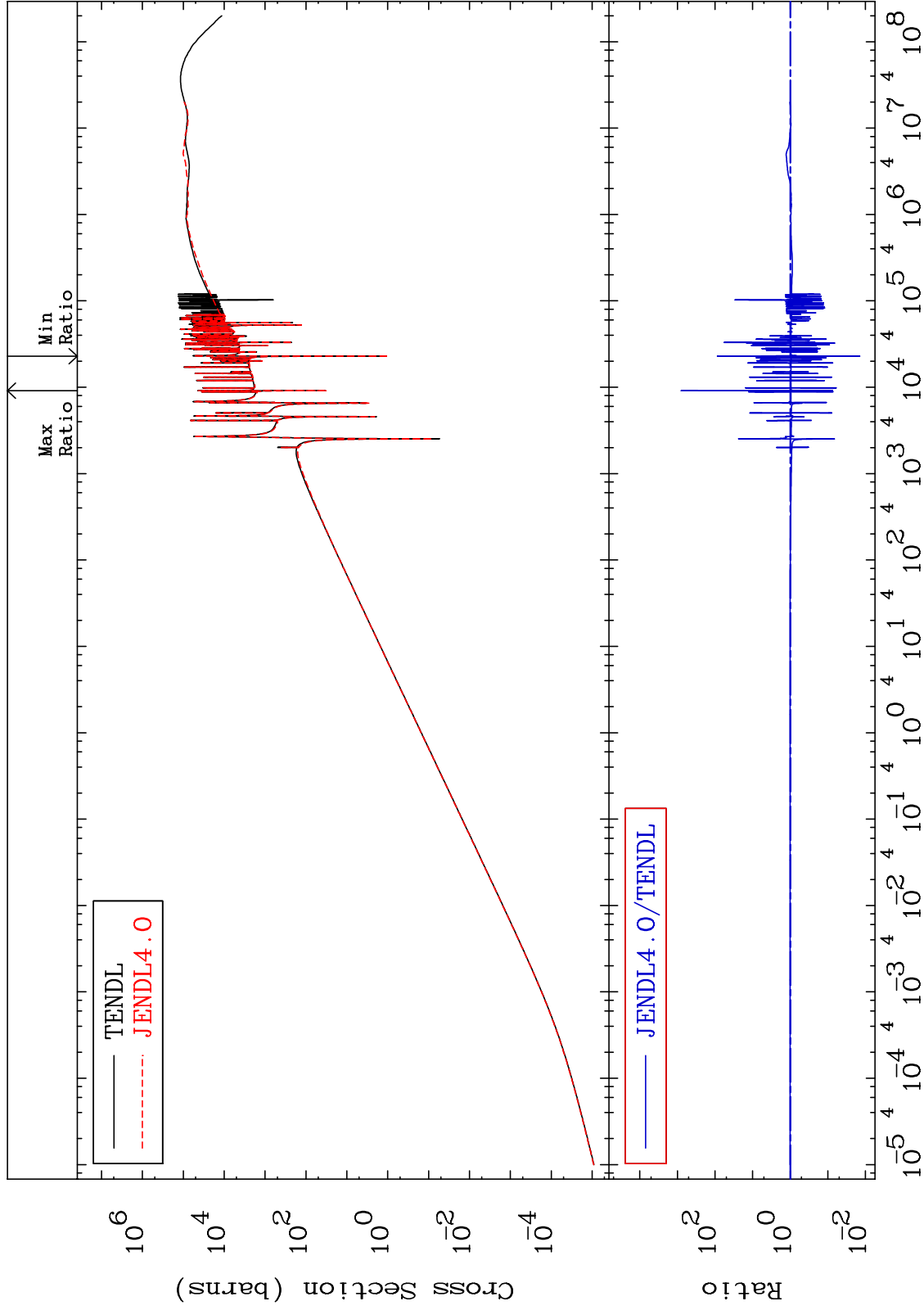
MAT 4031 Kerma total (eV-barns)
 Cross Section 40-Zr-92
 -95.88 To 9999. %



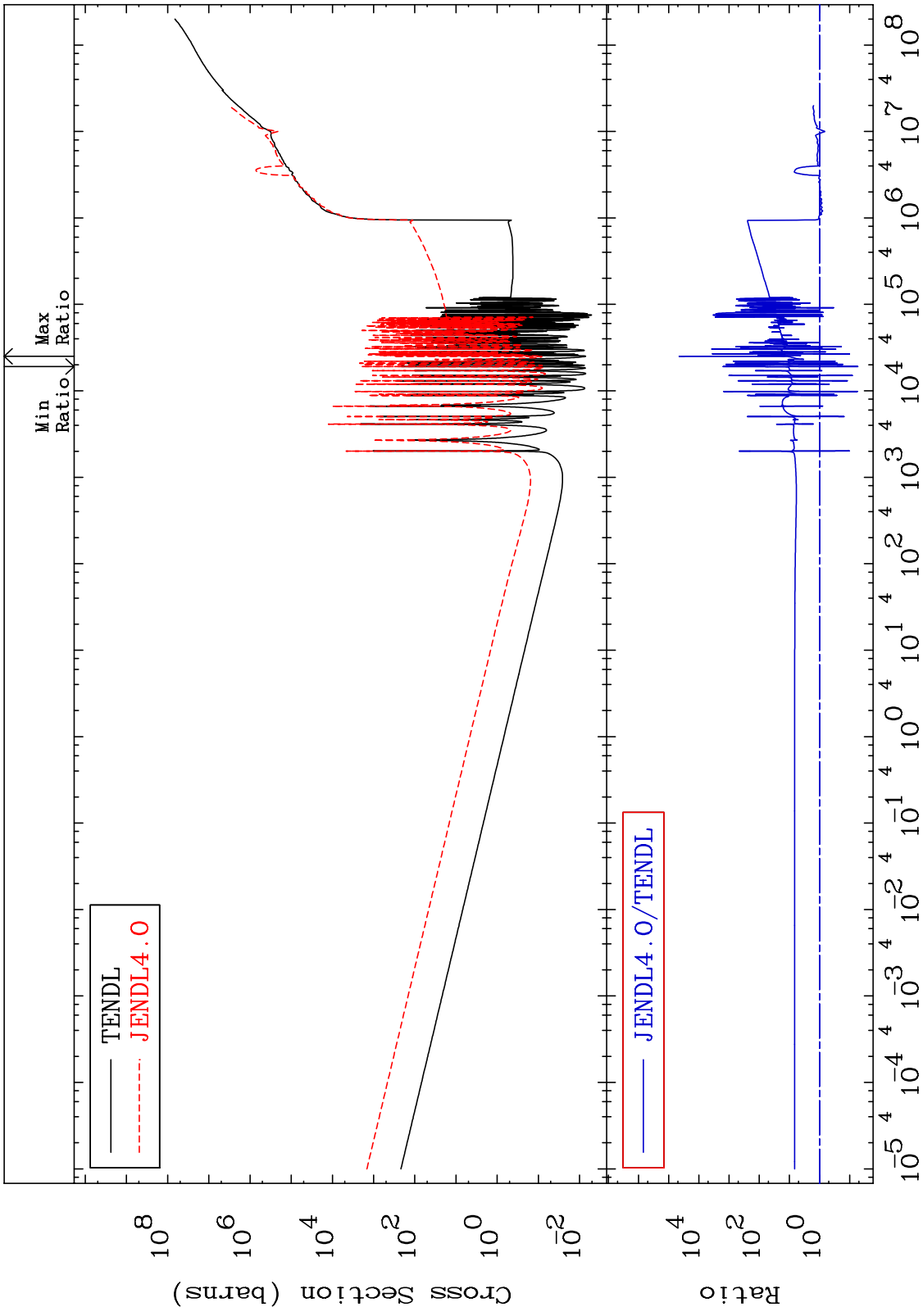
MAT 4031

Kerma elastic
Cross Section

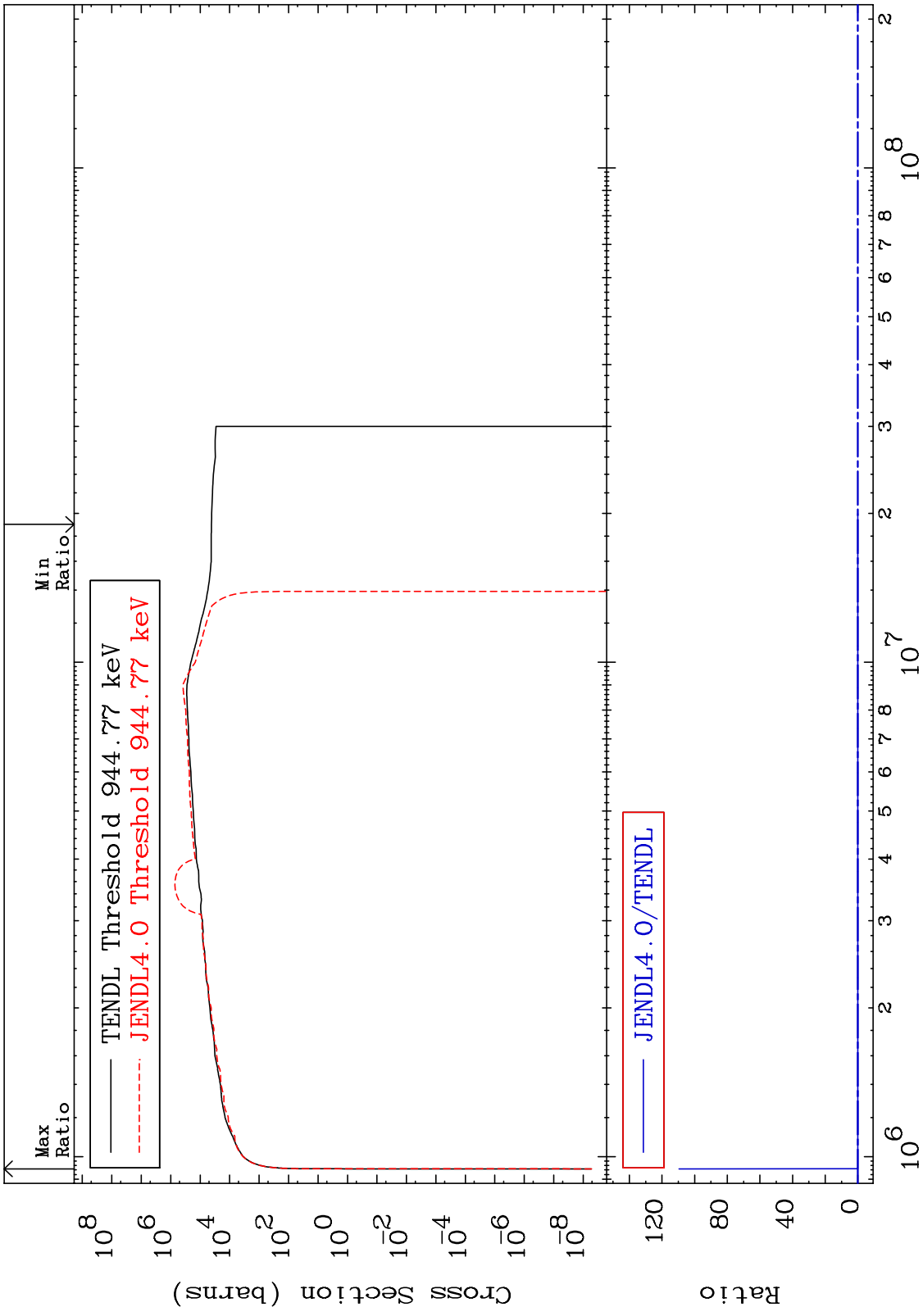
40-Zr-92
-98.59 To 9999. %



MAT 4031 Kerma non-elastic (all but mt2) Cross Section 40-Zr-92
 -94.59 To 9999. %



MAT 4031 Kerma inelastic (mt51-91) 40-Zr-92
 -220.5 To 9999. %
 Cross Section

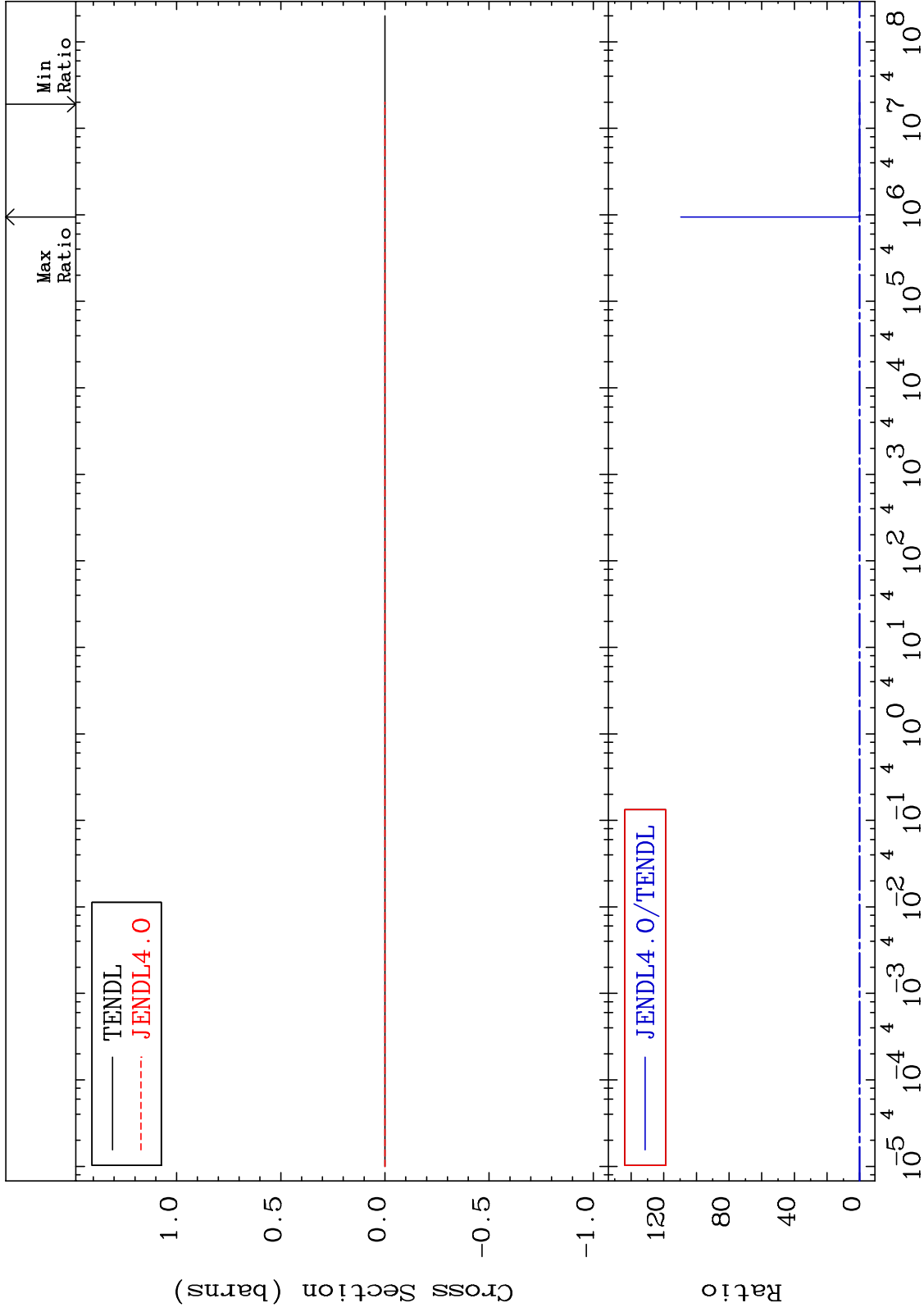


40-Zr-92 Incident Energy (eV)

MAT 4031

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

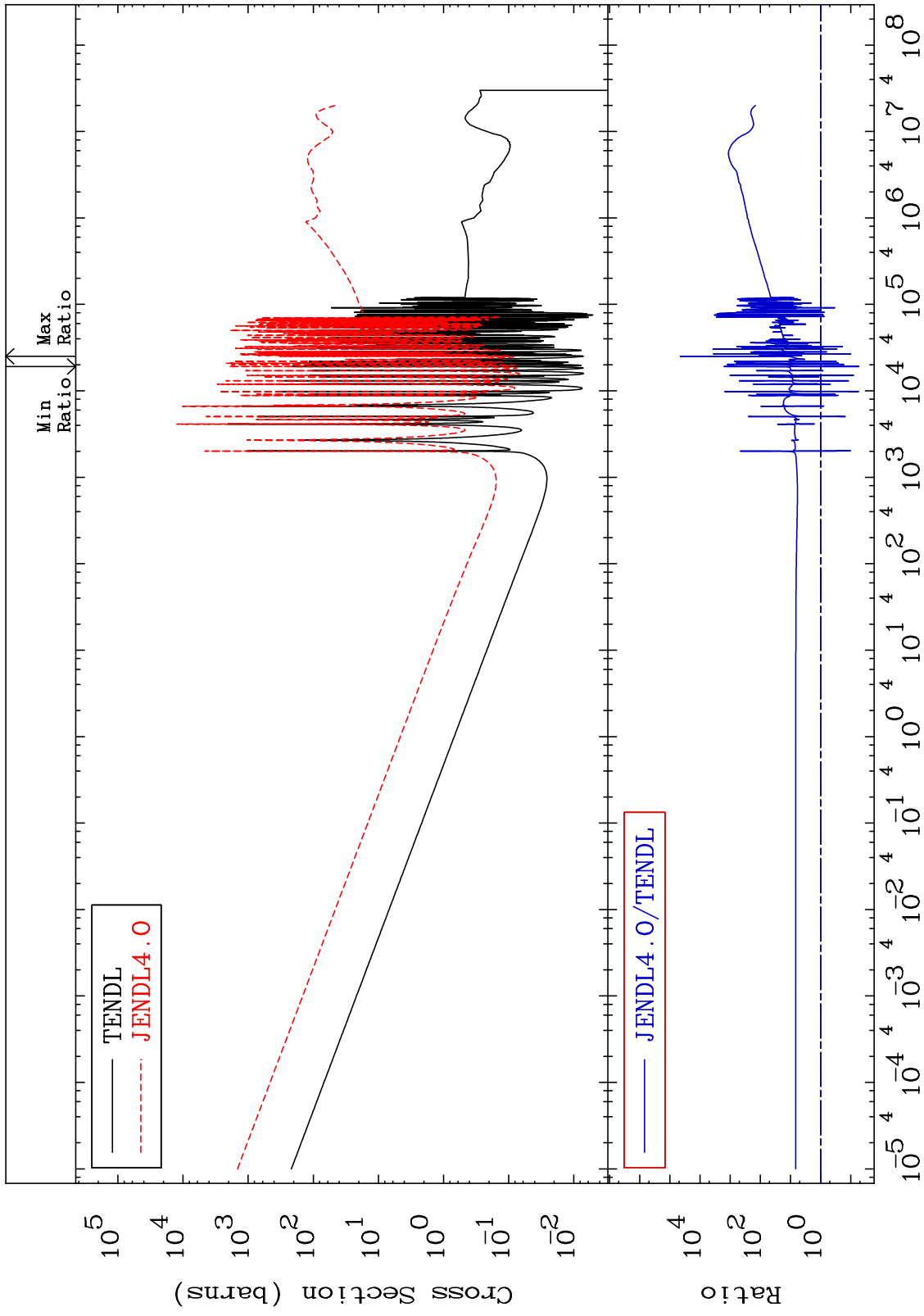
40-Zr-92
-220.5 To 9999. %



MAT 4031

Kerma capture (mt102)
Cross Section

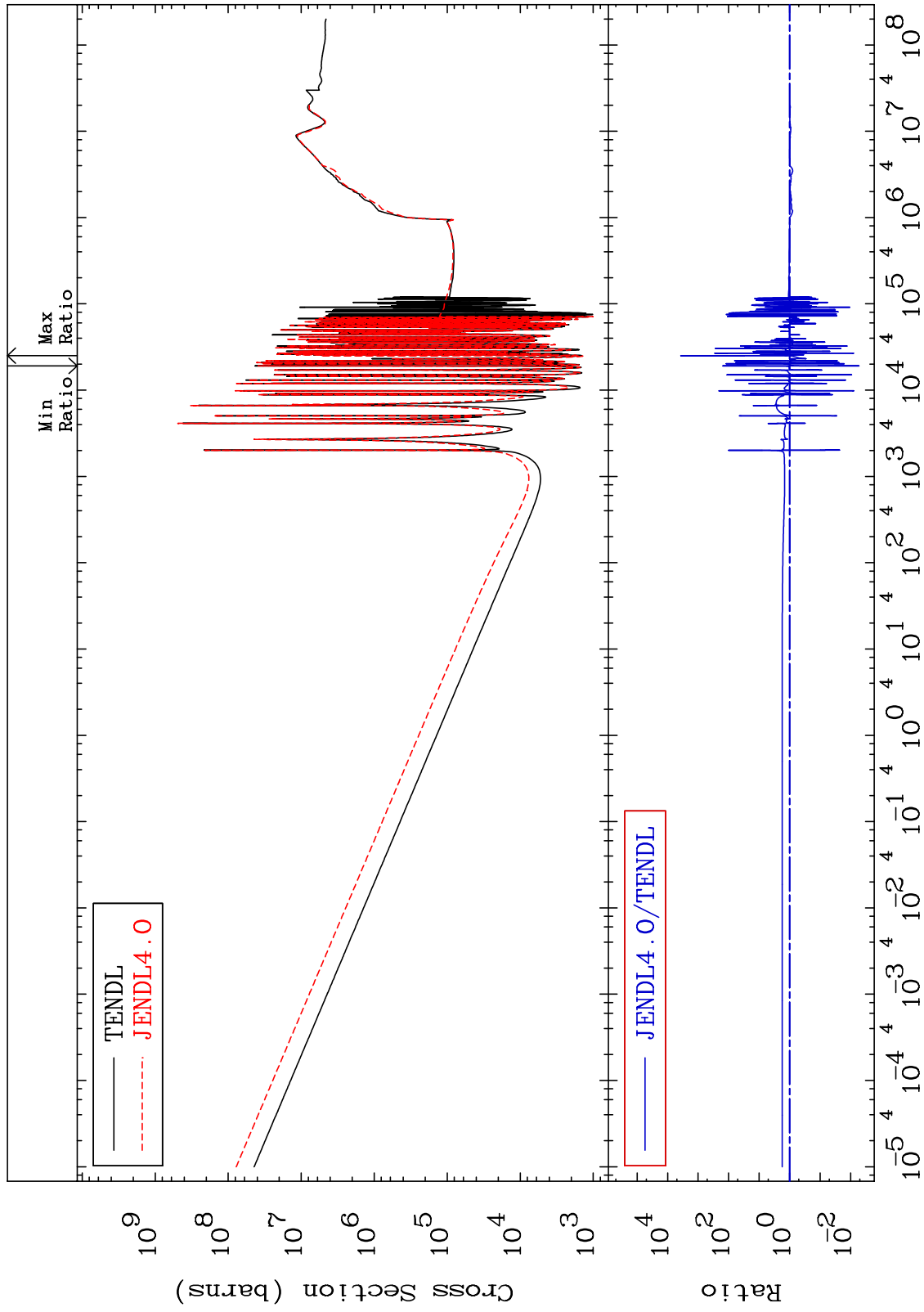
40-Zr-92
-94.59 To 9999. %



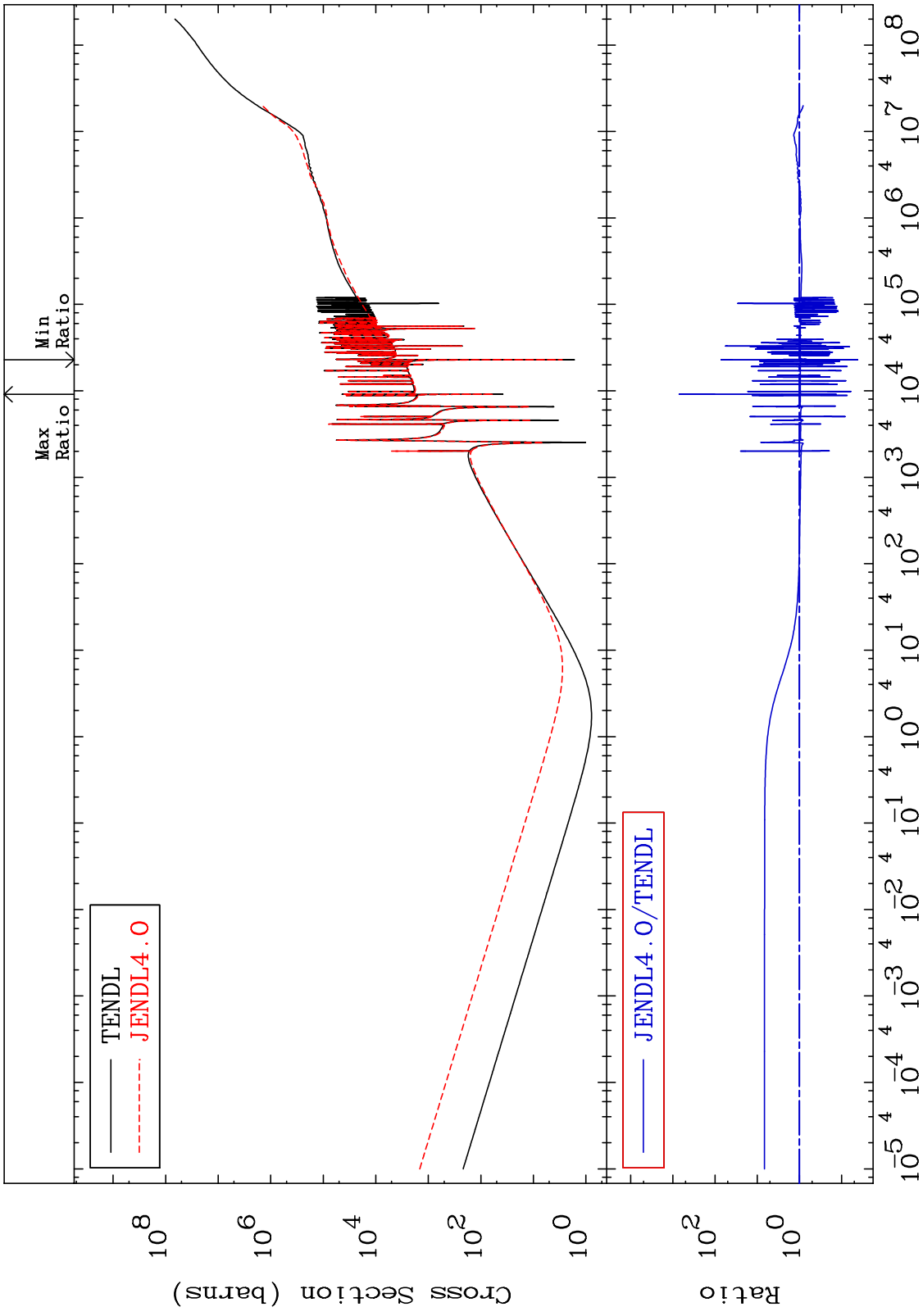
MAT 4031

Total photon (eV-barns)
Cross Section

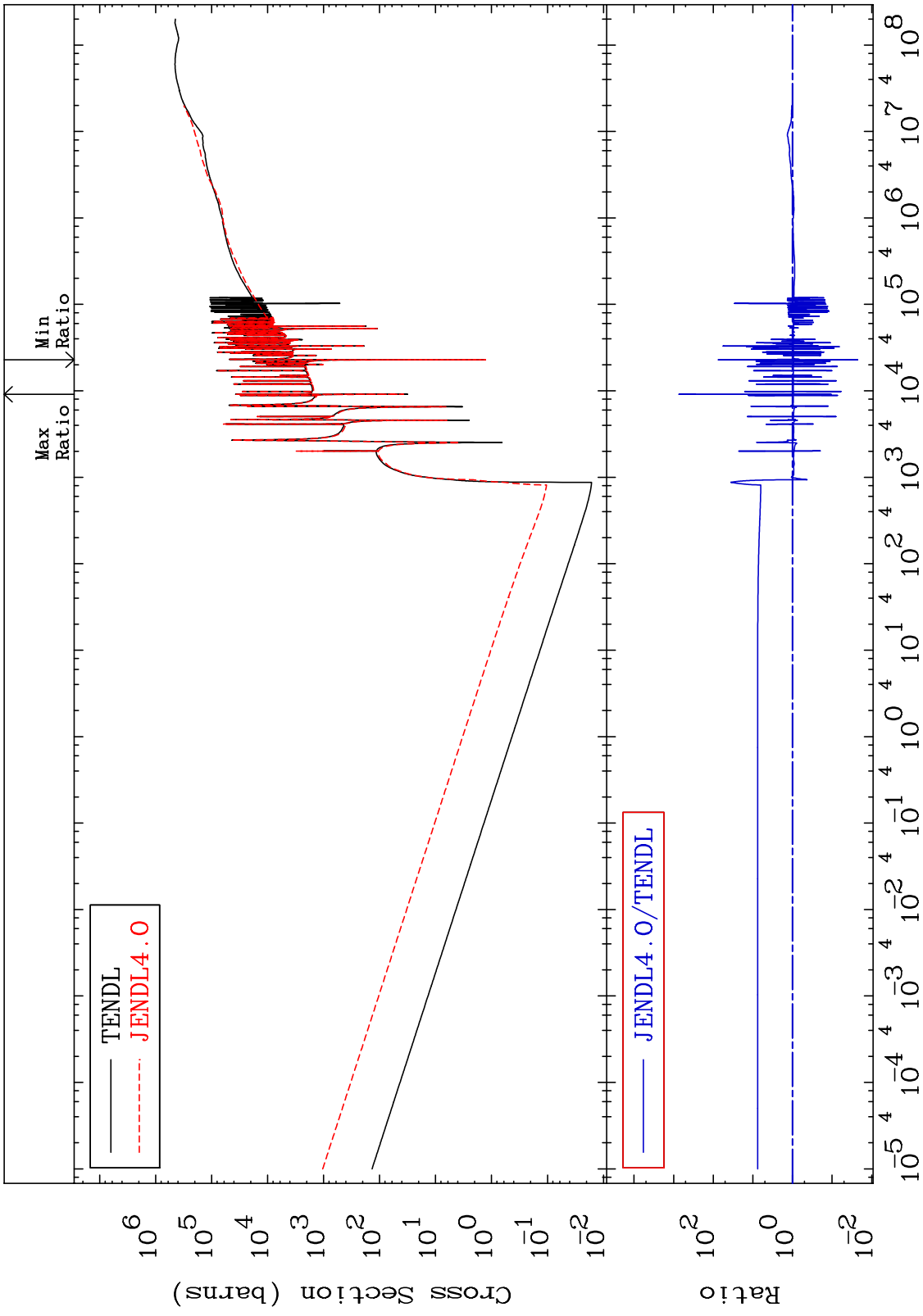
40-Zr-92
-99.47 To 9999. %



MAT 4031 Total kinematic kerma (high limit) 40-Zr-92
 Cross Section -95.88 To 9999. %



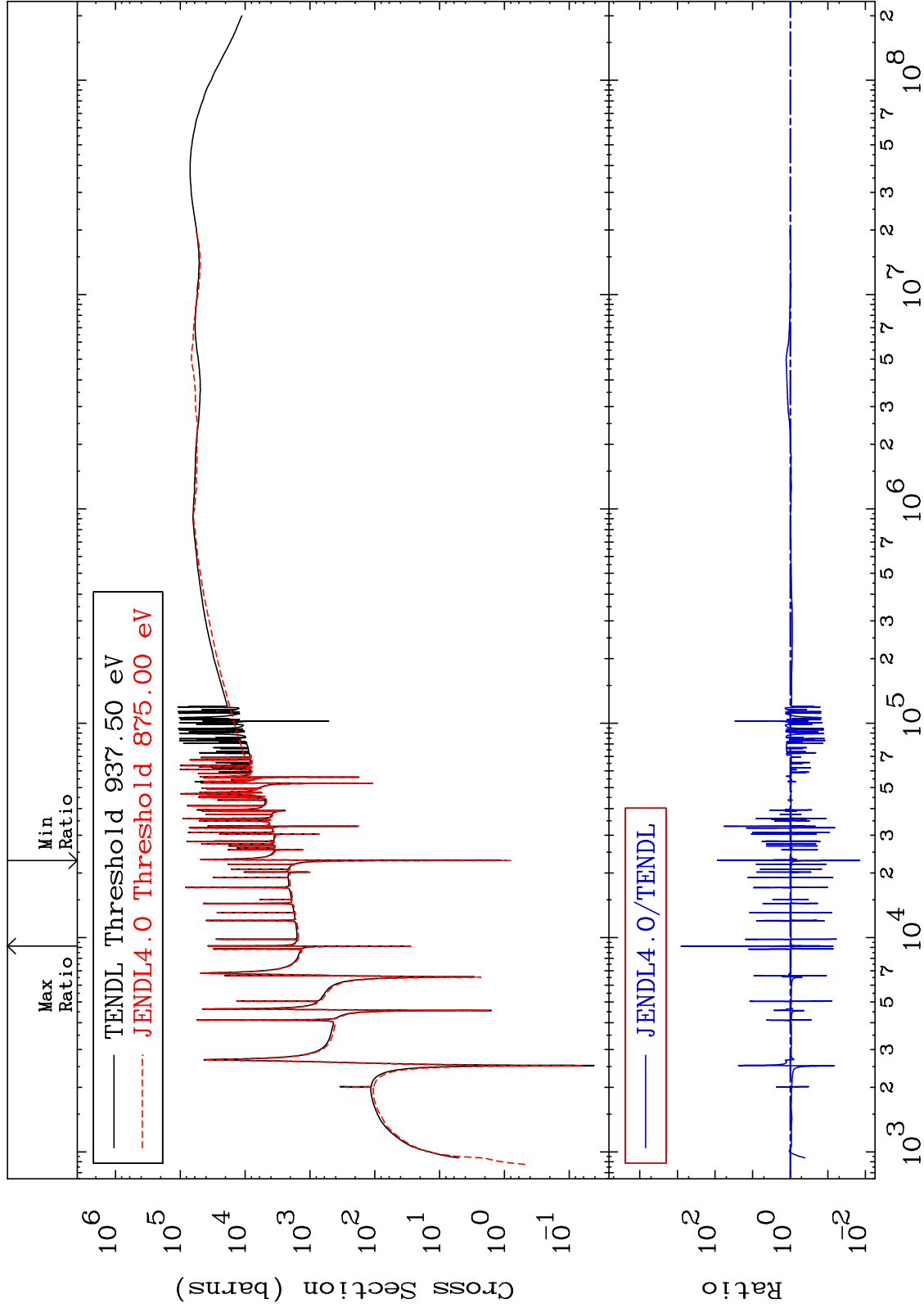
MAT 4031 Dpa total (eV-barns) 40-Zr-92
 Cross Section -97.76 To 9999. %



MAT 4031

Dpa elastic (mt2)
Cross Section

40-Zr-92
-98.59 To 9999. %

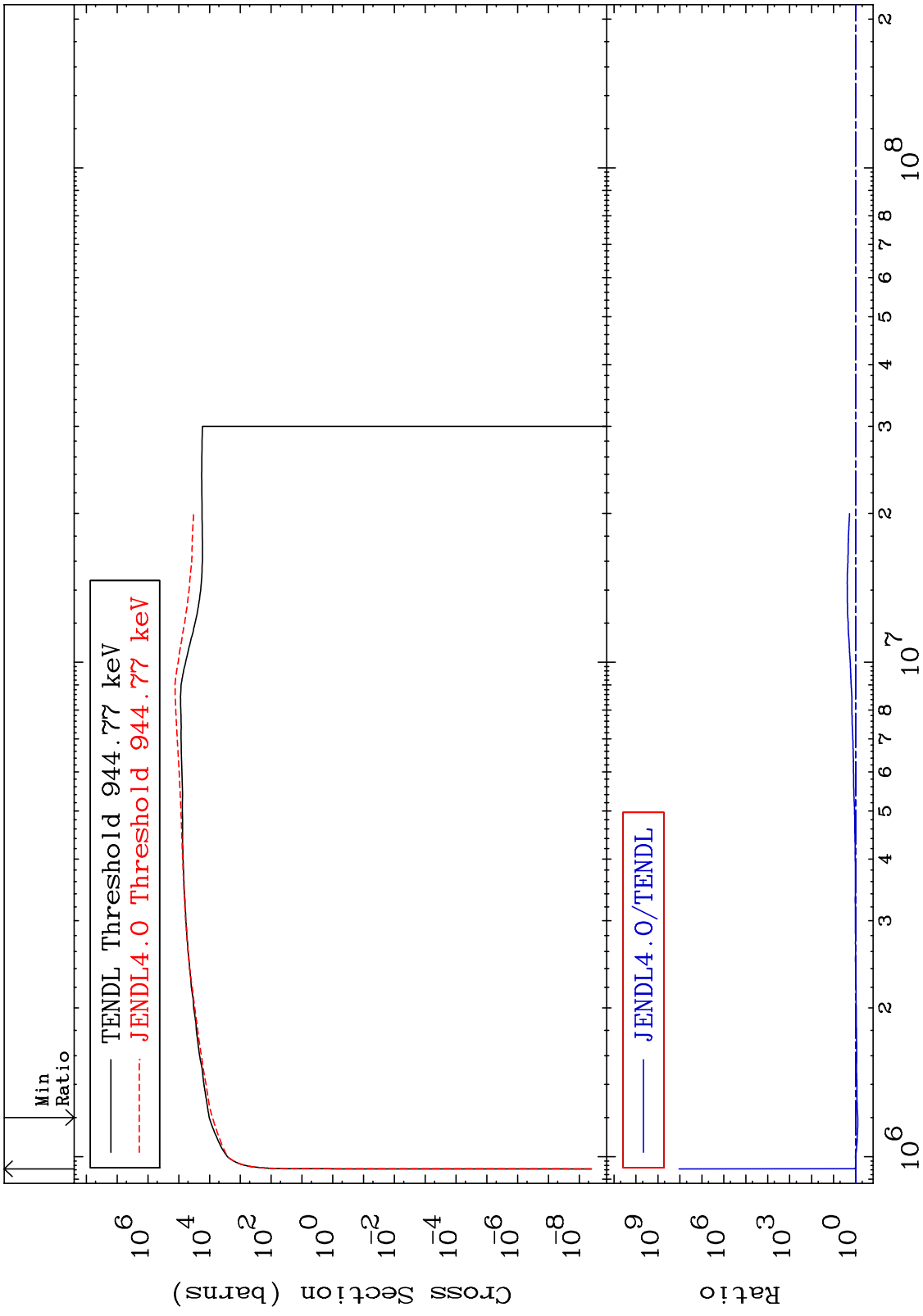


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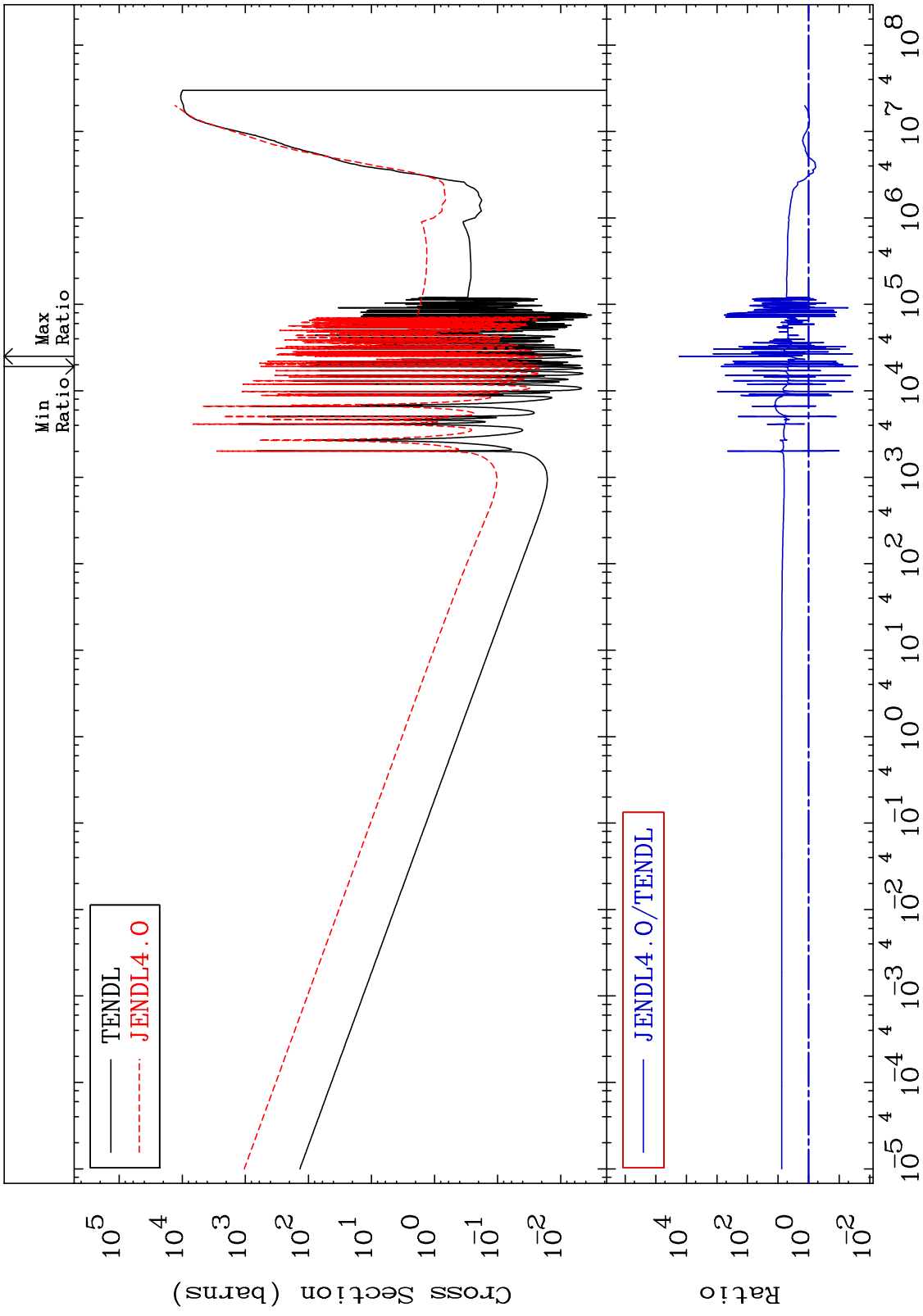
Incident Energy (eV)

40-Zr-92

MAT 4031 Dpa inelastic (mt51-91) 40-Zr-92
Cross Section -21.49 To 9999. %



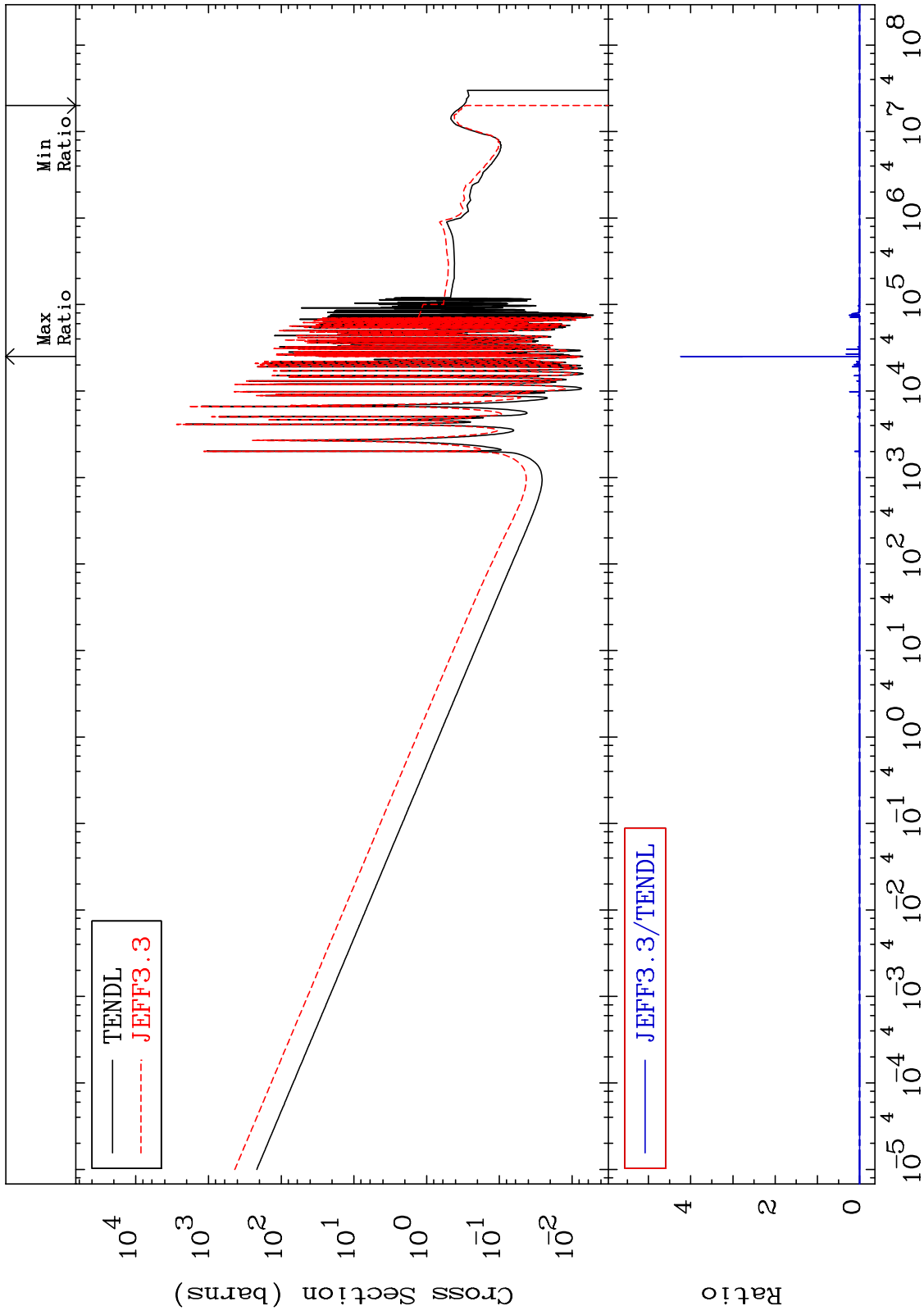
MAT 4031 Dpa disappearance (mt102 -120) 40-Zr-92
 Cross Section -97.55 To 9999. %



MAT 4031

Kerma capture (mt102)
Cross Section

40-Zr-92
-100.0 To 9999. %



49

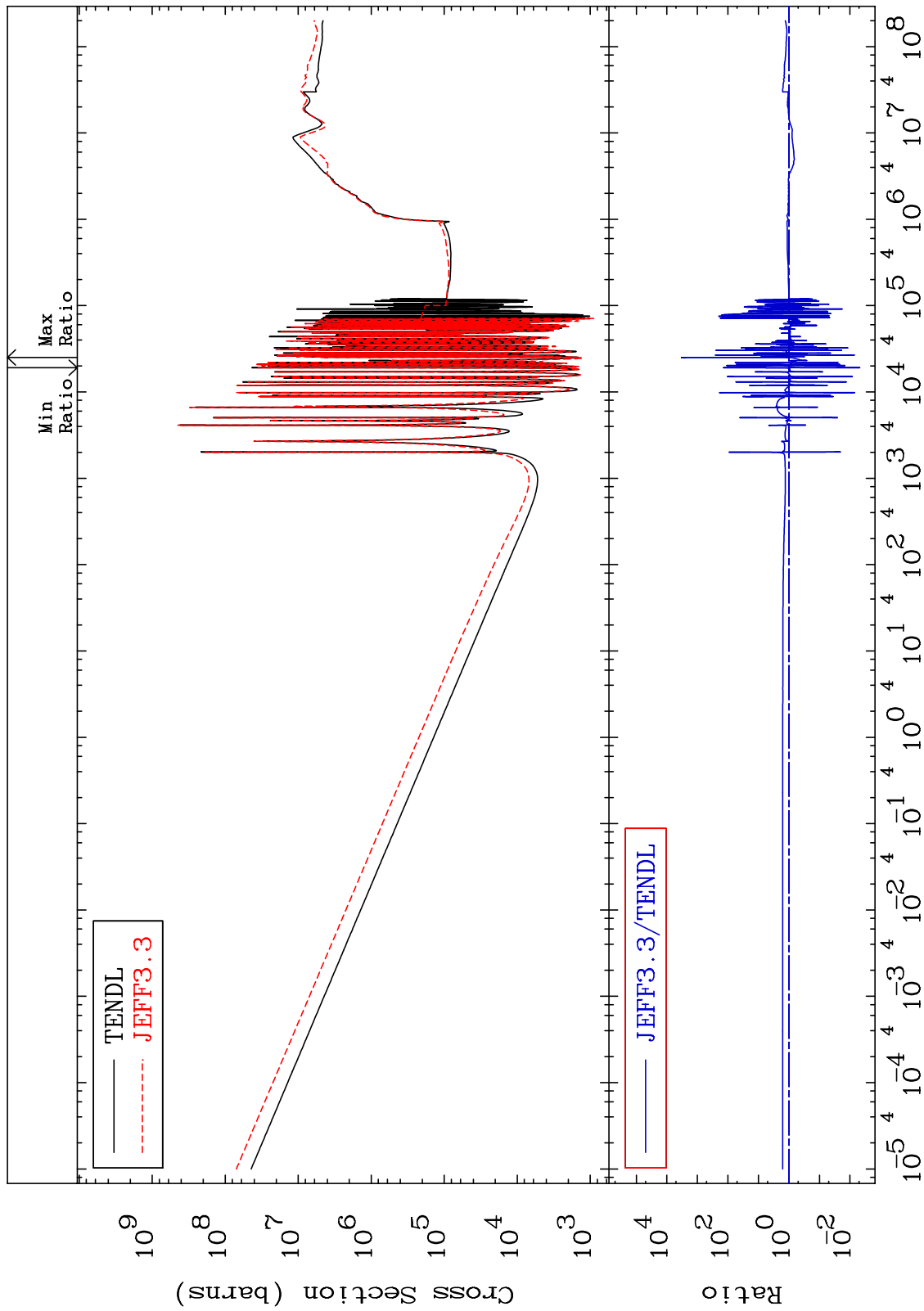
Incident Energy (eV)

40-Zr-92

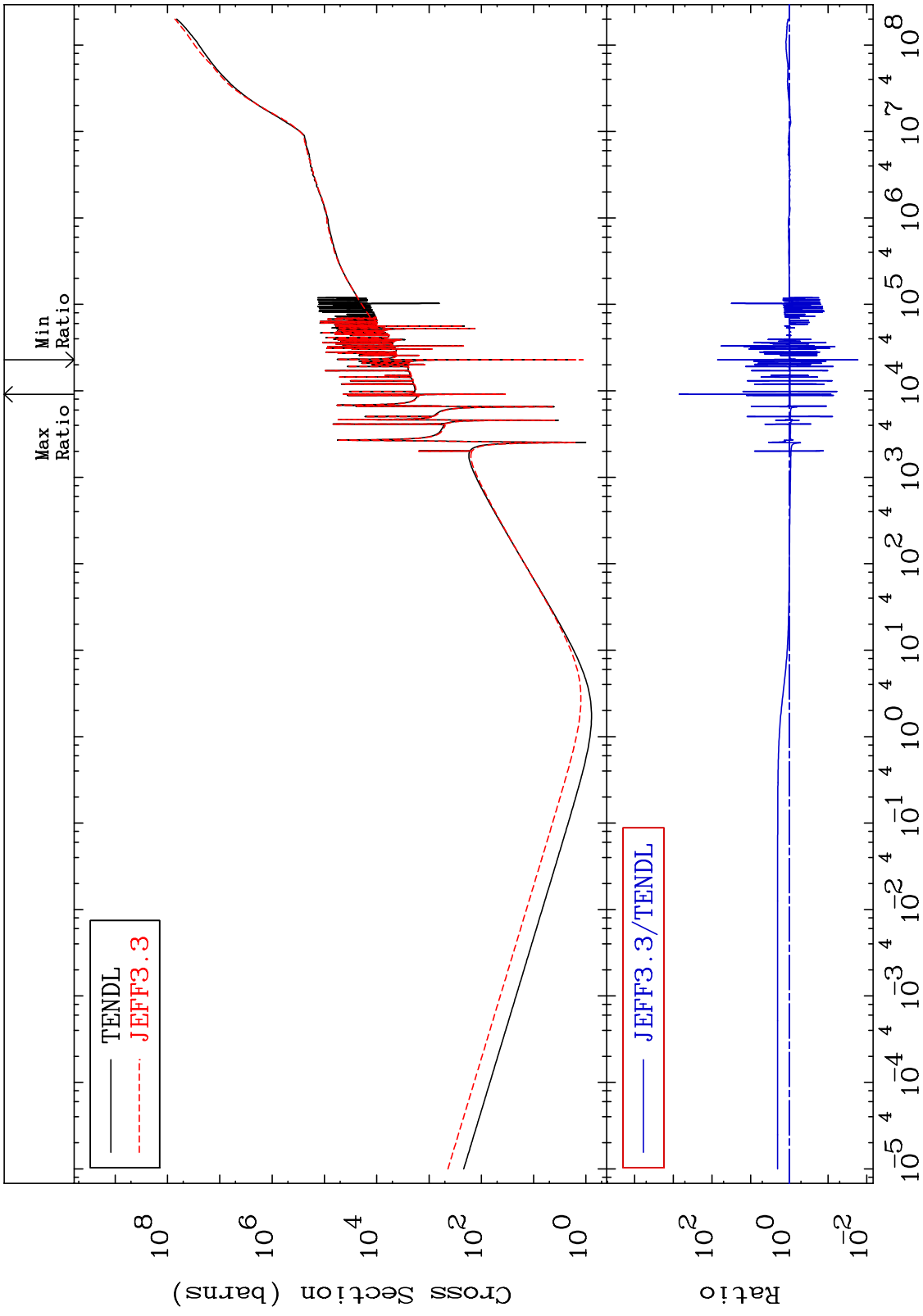
MAT 4031

Total photon (eV-barns)
Cross Section

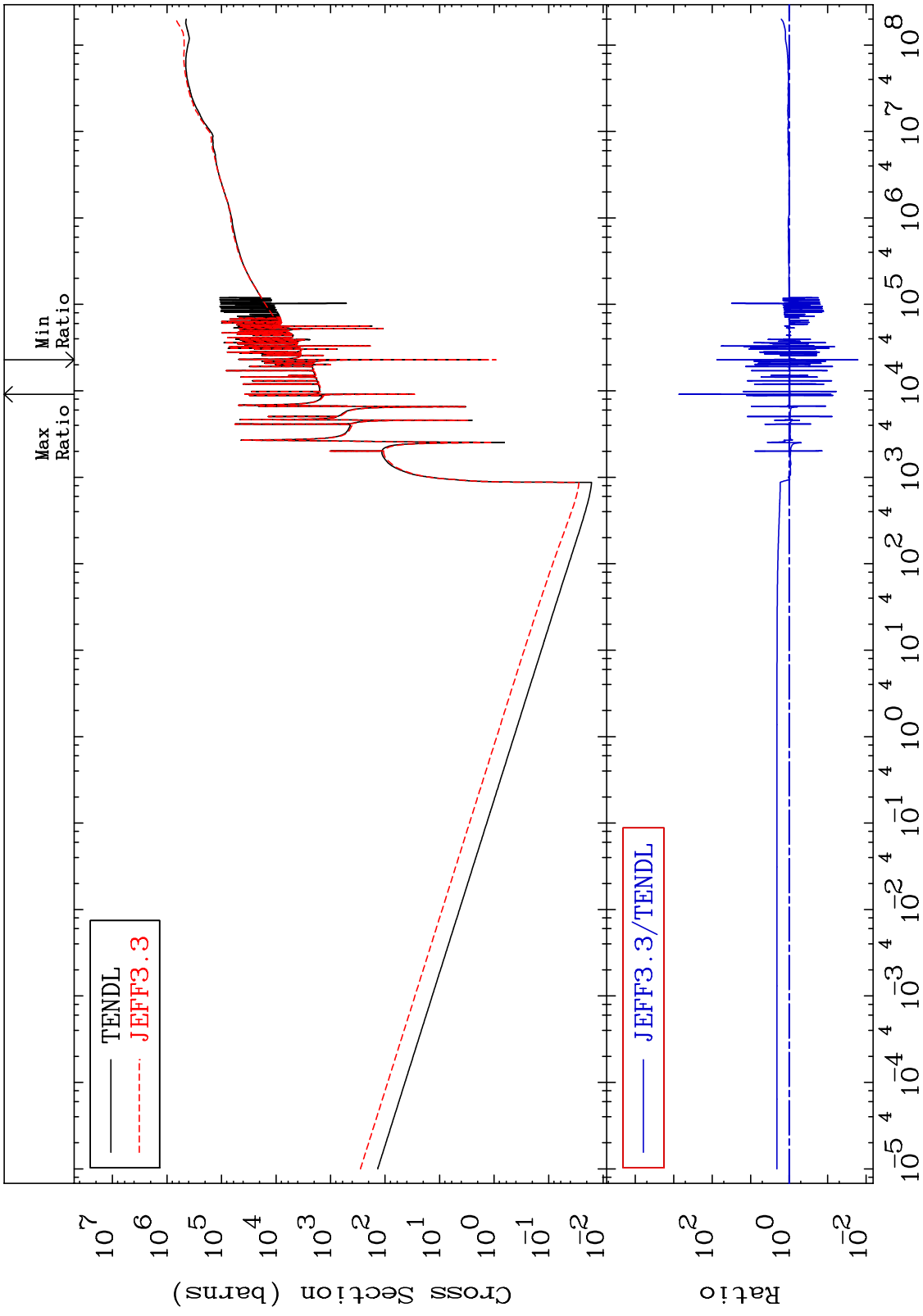
40-Zr-92
-99.52 To 9999. %



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



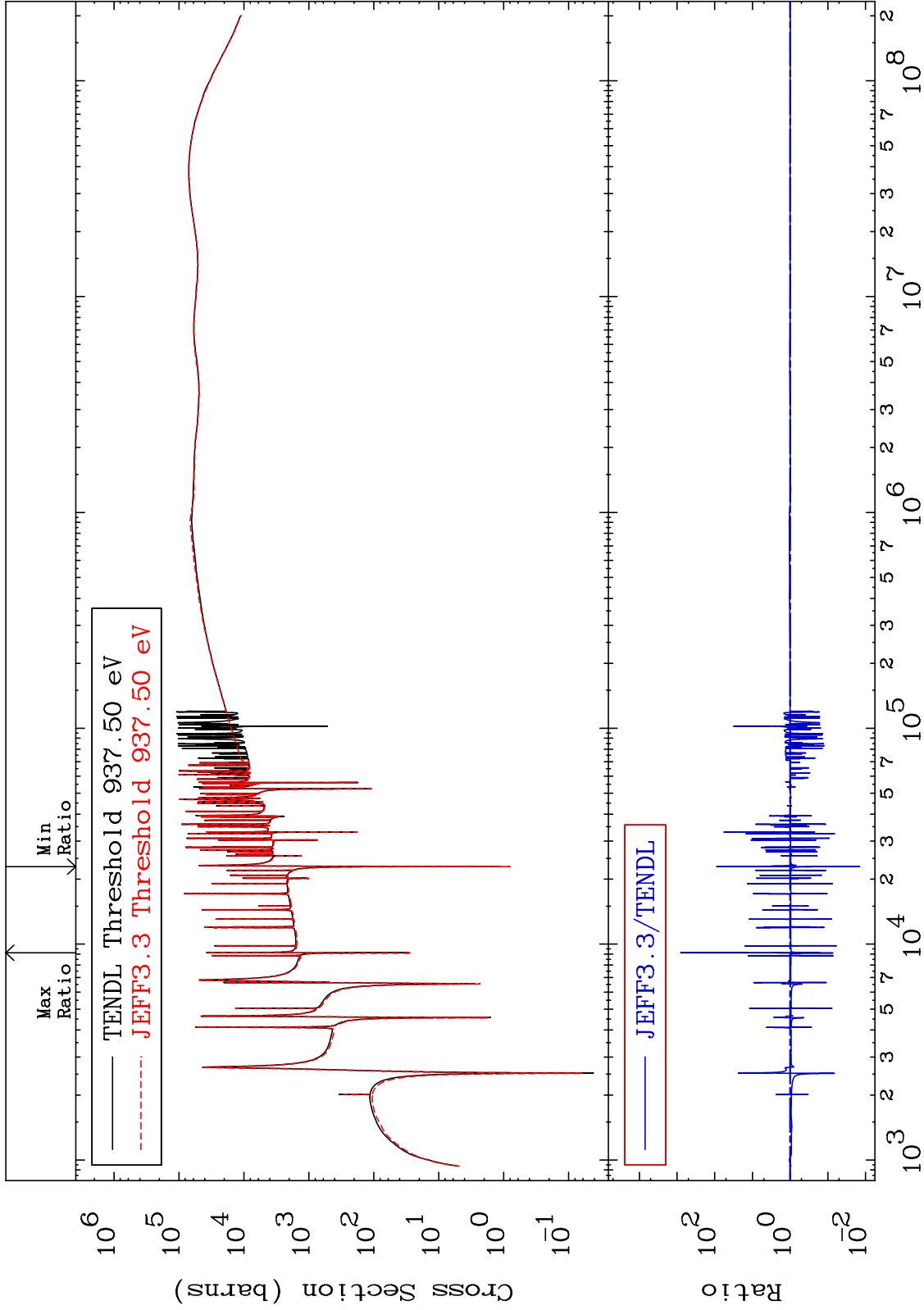
MAT 4031 Dpa total (eV-barns) 40-Zr-92
 Cross Section -98.36 To 9999. %



MAT 4031

Dpa elastic (mt2)
Cross Section

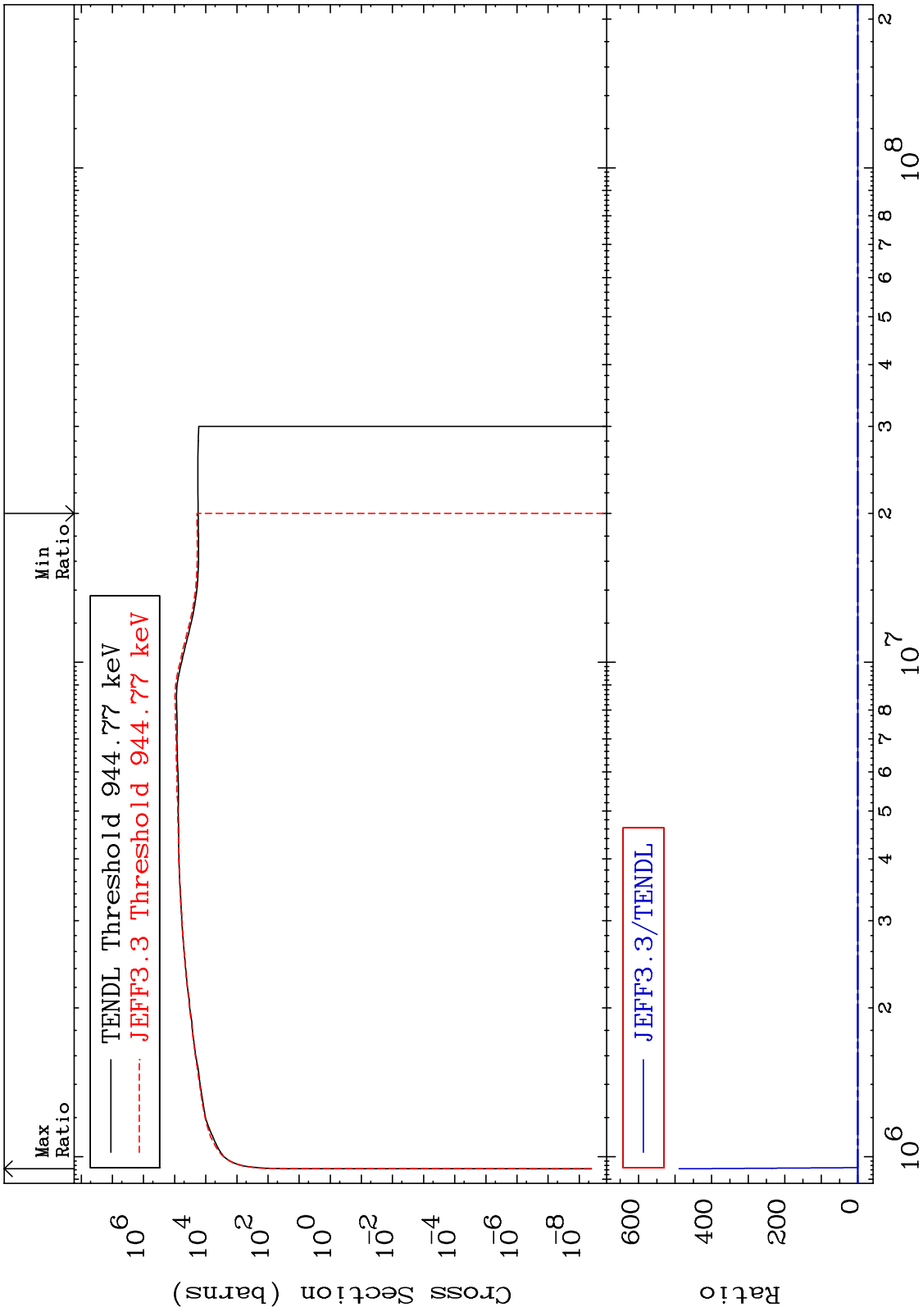
40-Zr-92
-98.57 To 9999. %



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40-Zr-92

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



54 Incident Energy (eV) 40-Zr-92

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

