

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

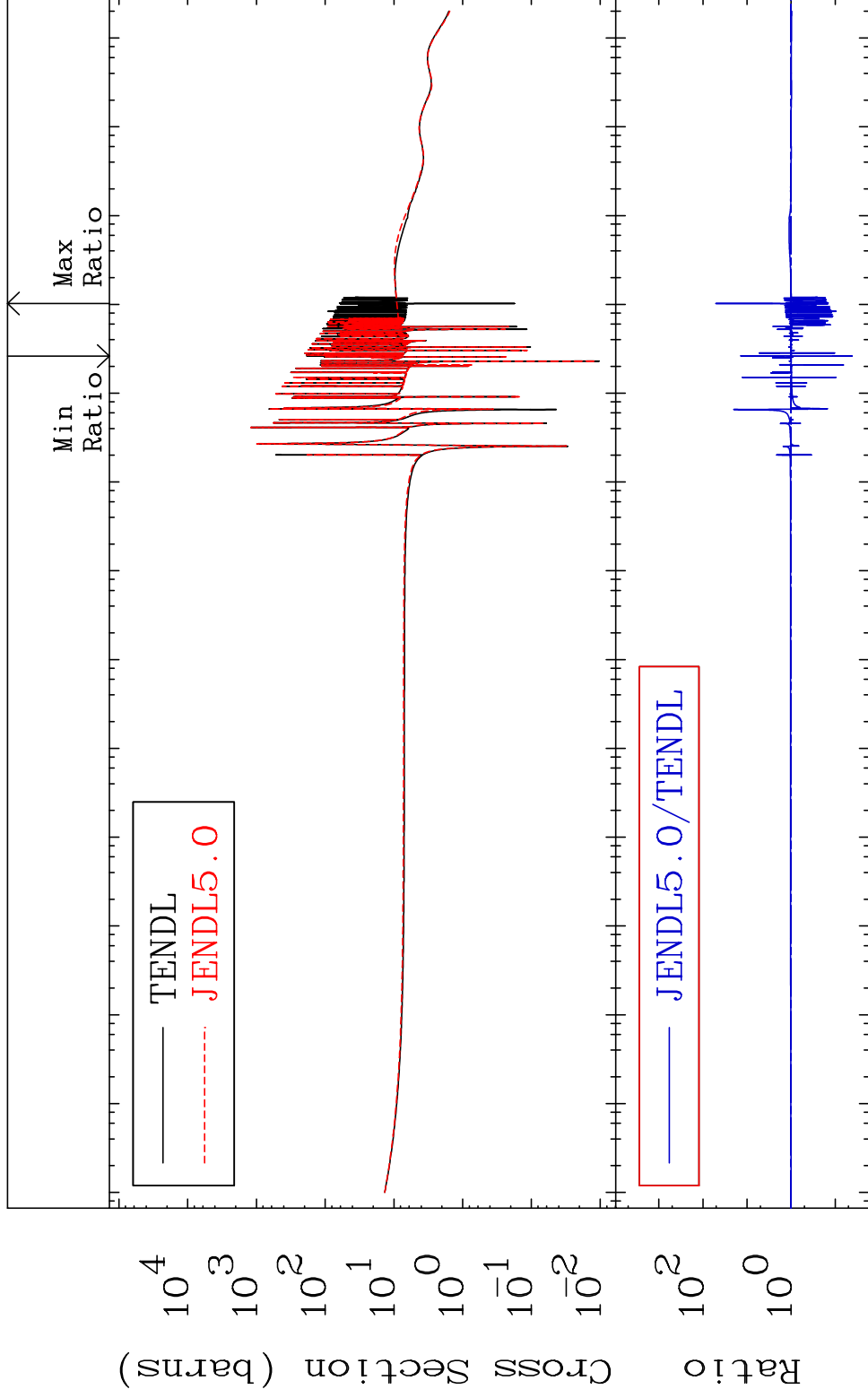
MAT 4031

Total

40-Zr-92

Cross Section

-95.88 To 5055. %



1

Incident Energy (eV)

40-Zr-92

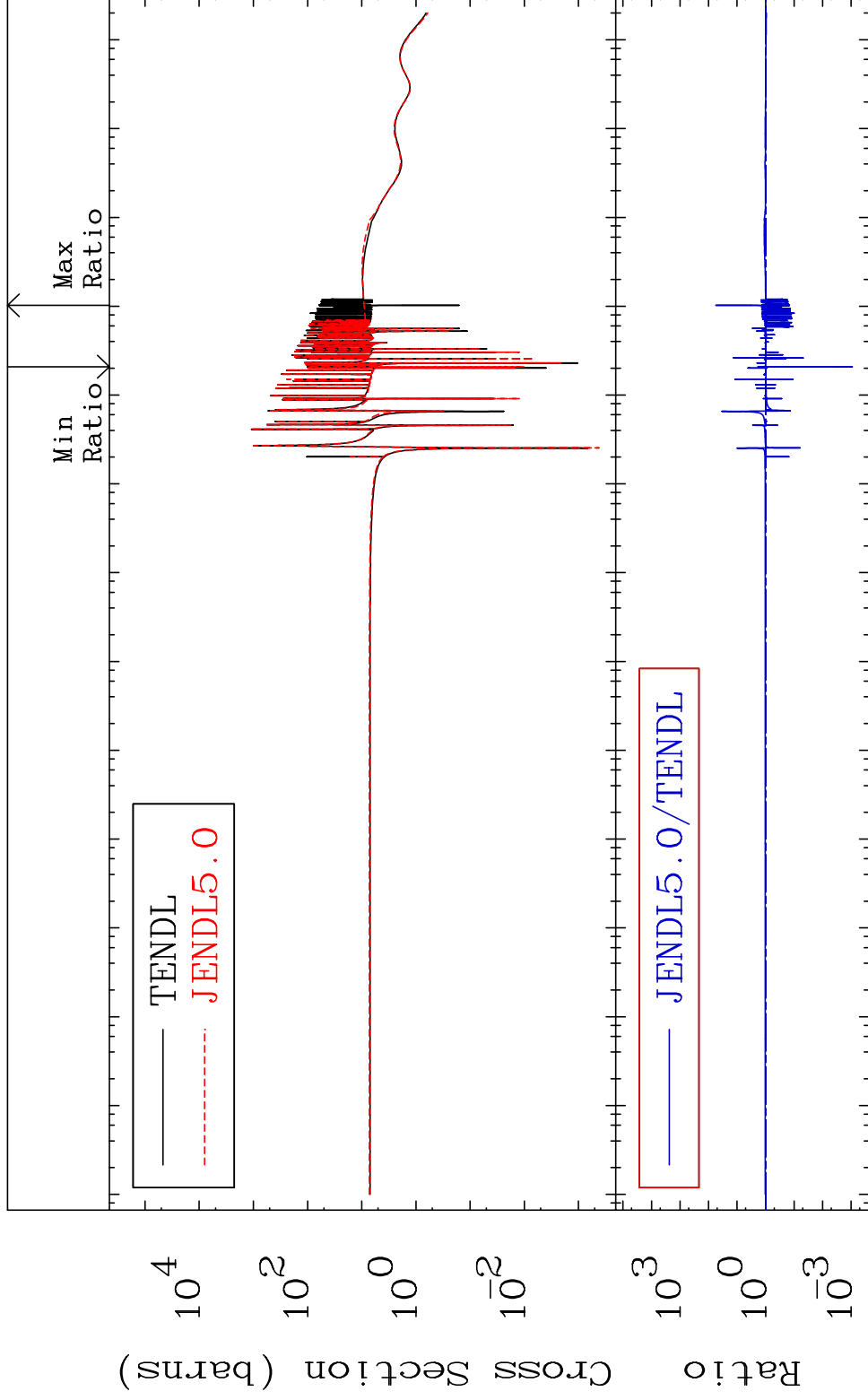
MAT 4031

Elastic

40-Zr-92

Cross Section

-99.91 To 5533. %



2

Incident Energy (eV)

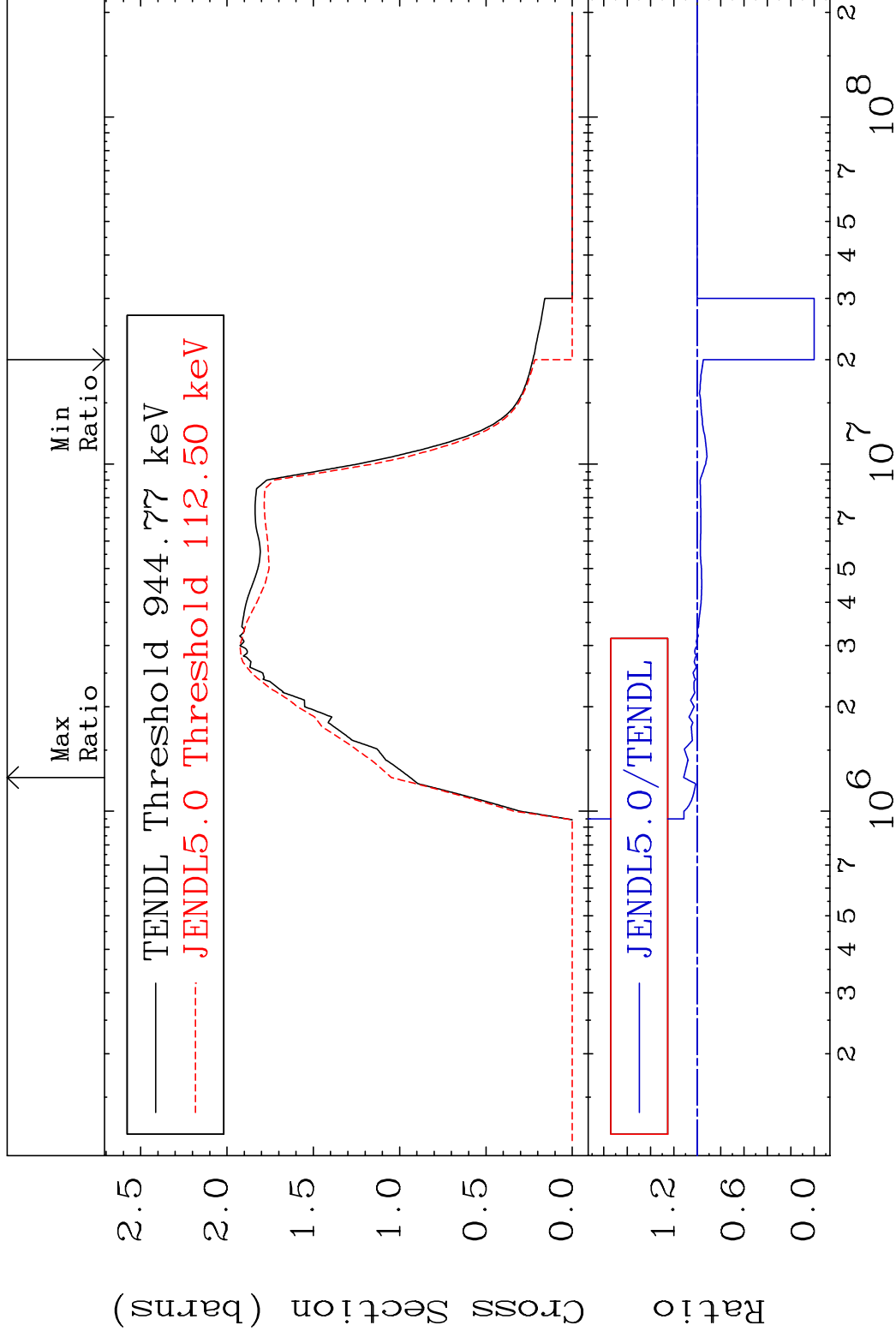
40-Zr-92

MAT 4031

Inelastic

40-Zr-92

Cross Section -100.0 To 11.67 %

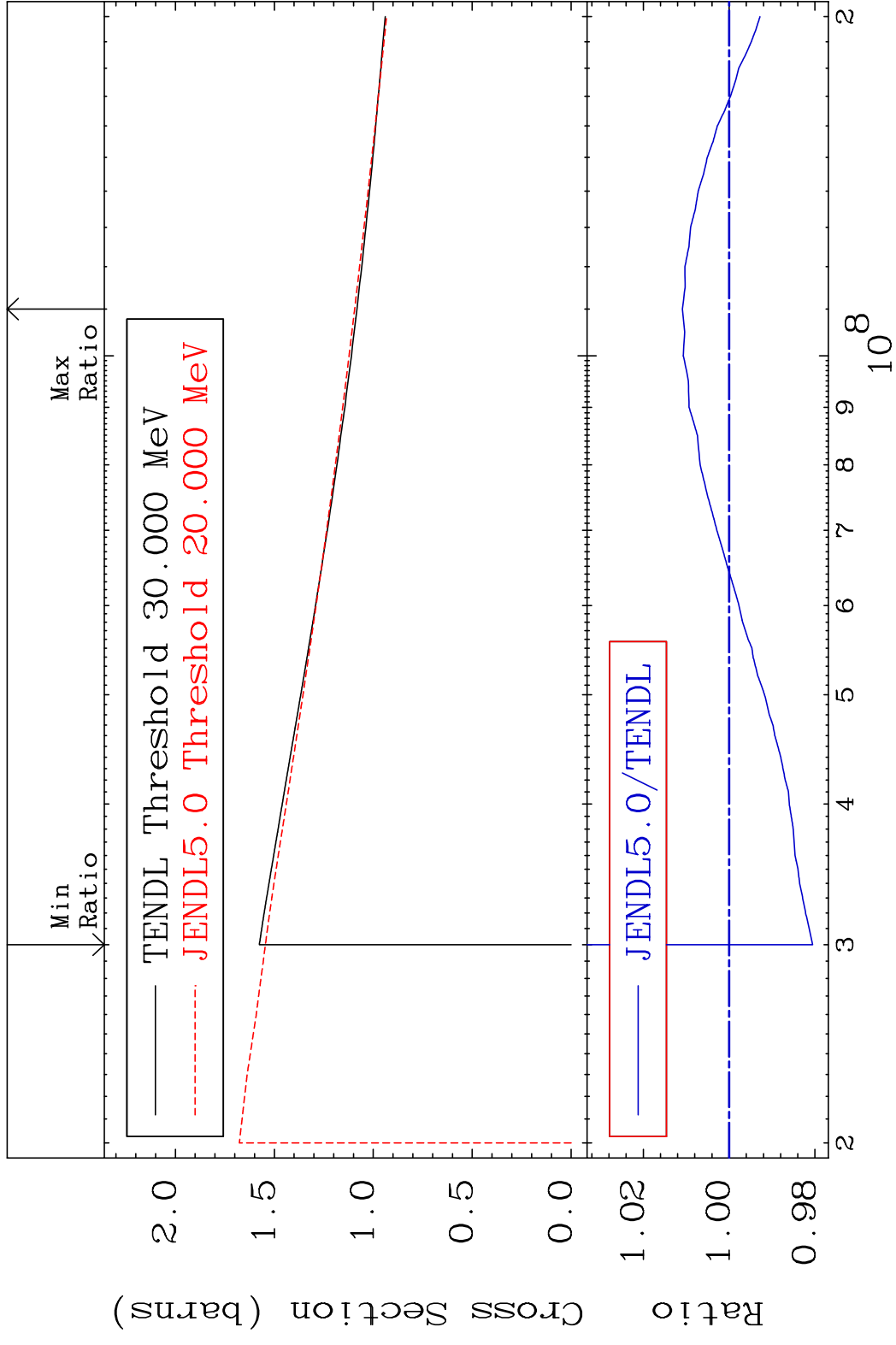


3

Incident Energy (eV)

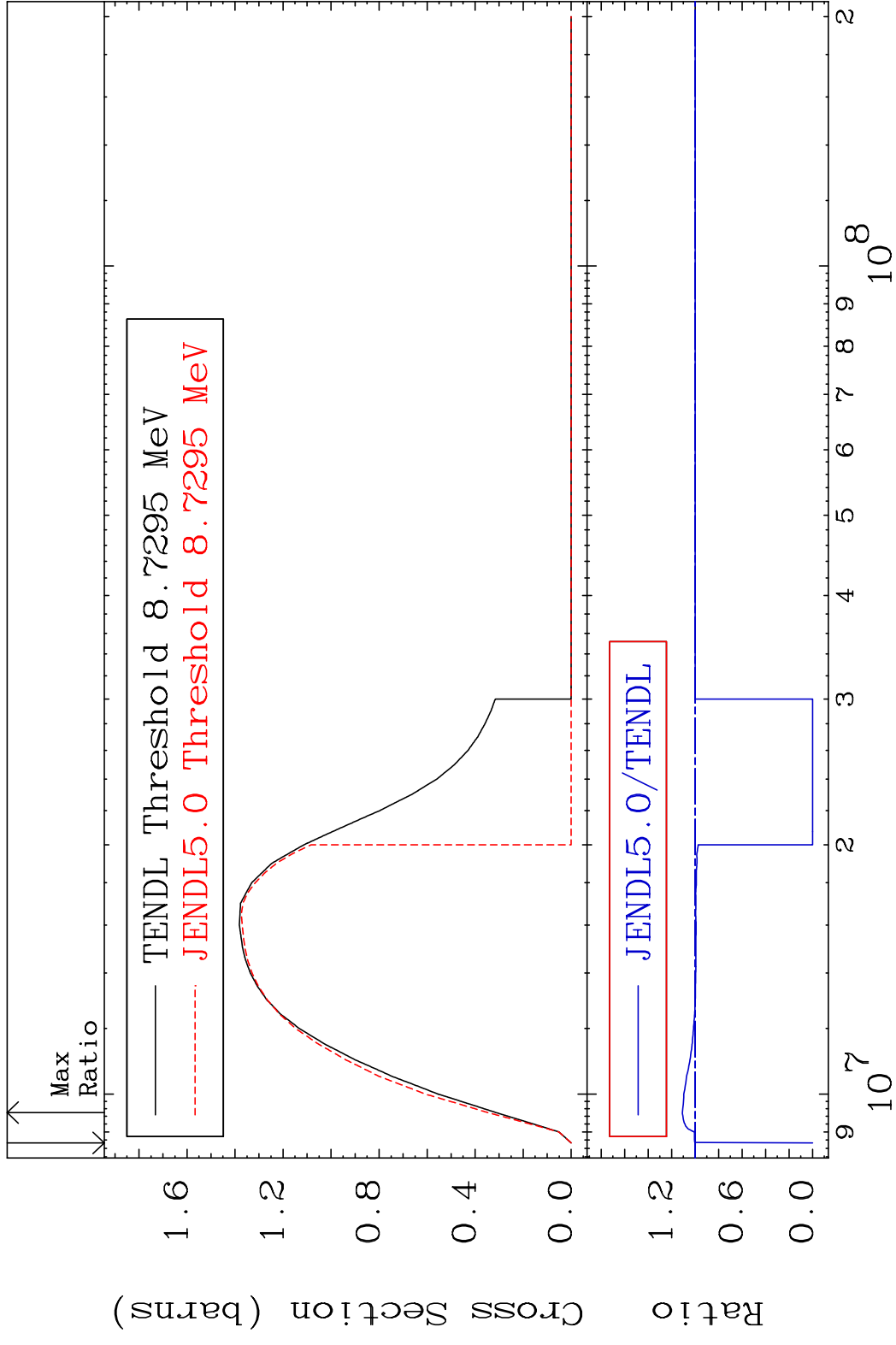
40-Zr-92

MAT 4031 (n, remainder) 40-Zr-92
 Cross Section -1.944 To 1.090 %



4 Incident Energy (eV) 40-Zr-92

MAT 4031 (n,2n) 40-Zr-92
 Cross Section -100.0 To 10.85 %



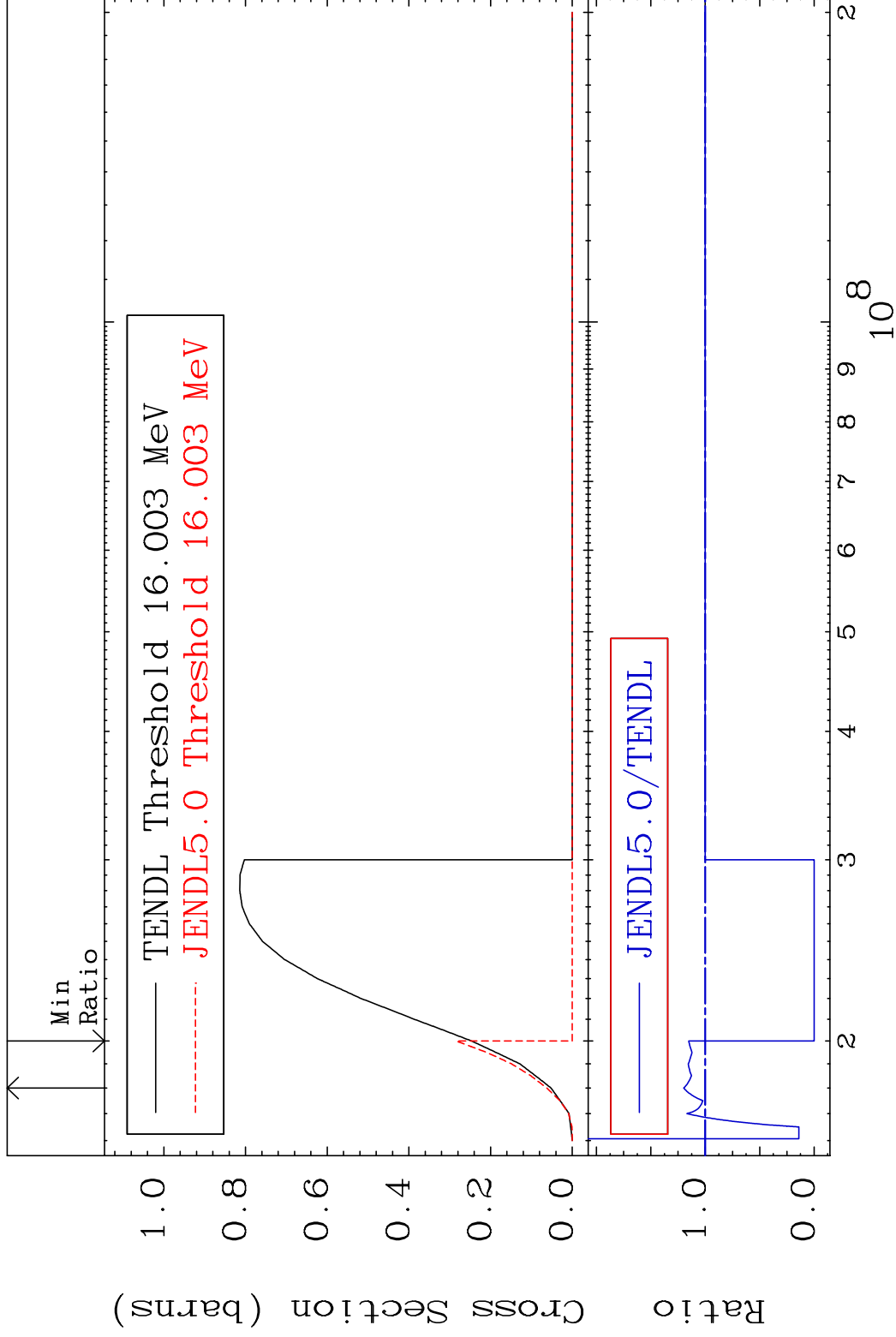
5 40-Zr-92

MAT 4031

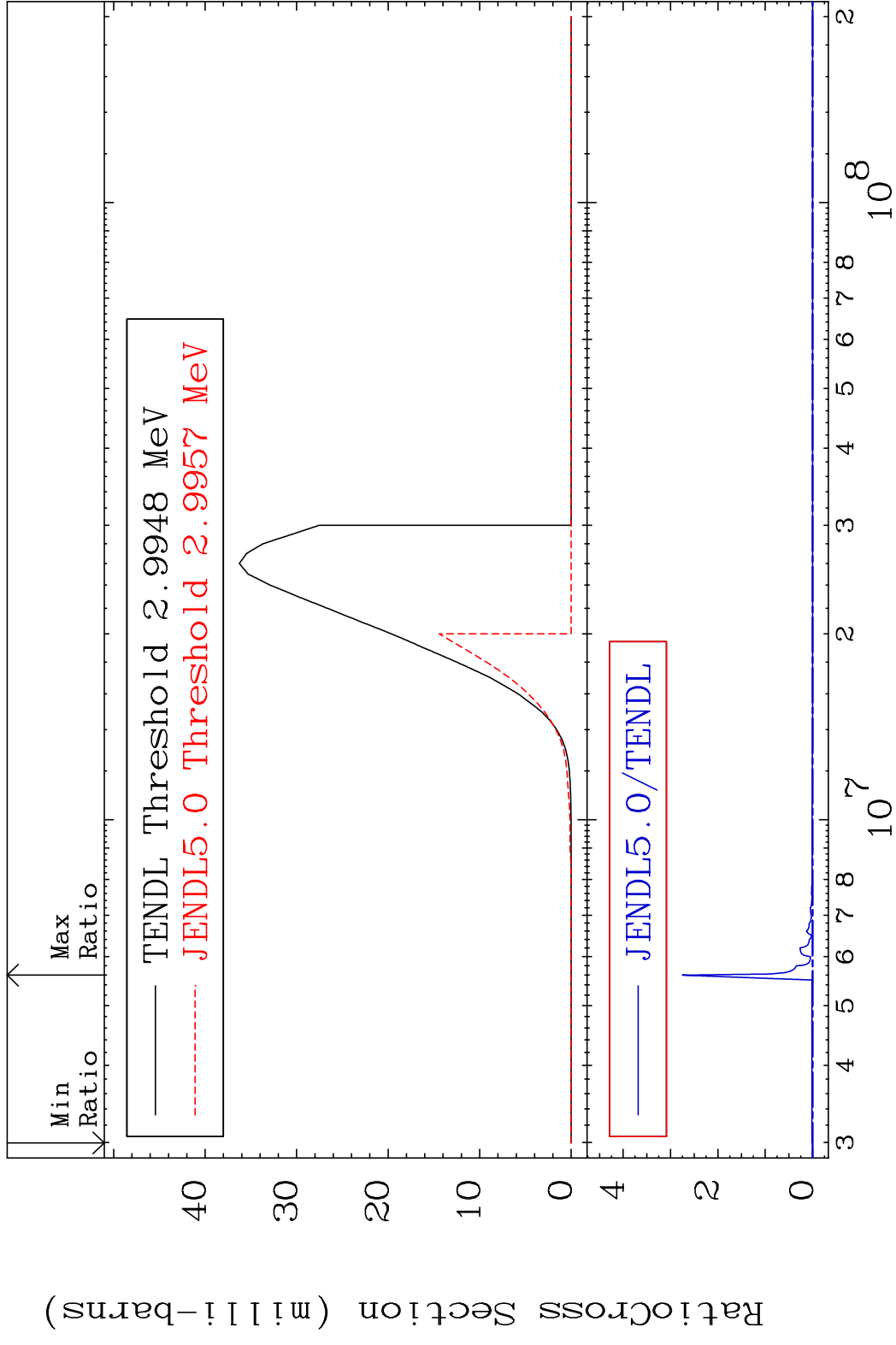
(n,3n)

40-Zr-92

Cross Section -100.0 To 19.87 %

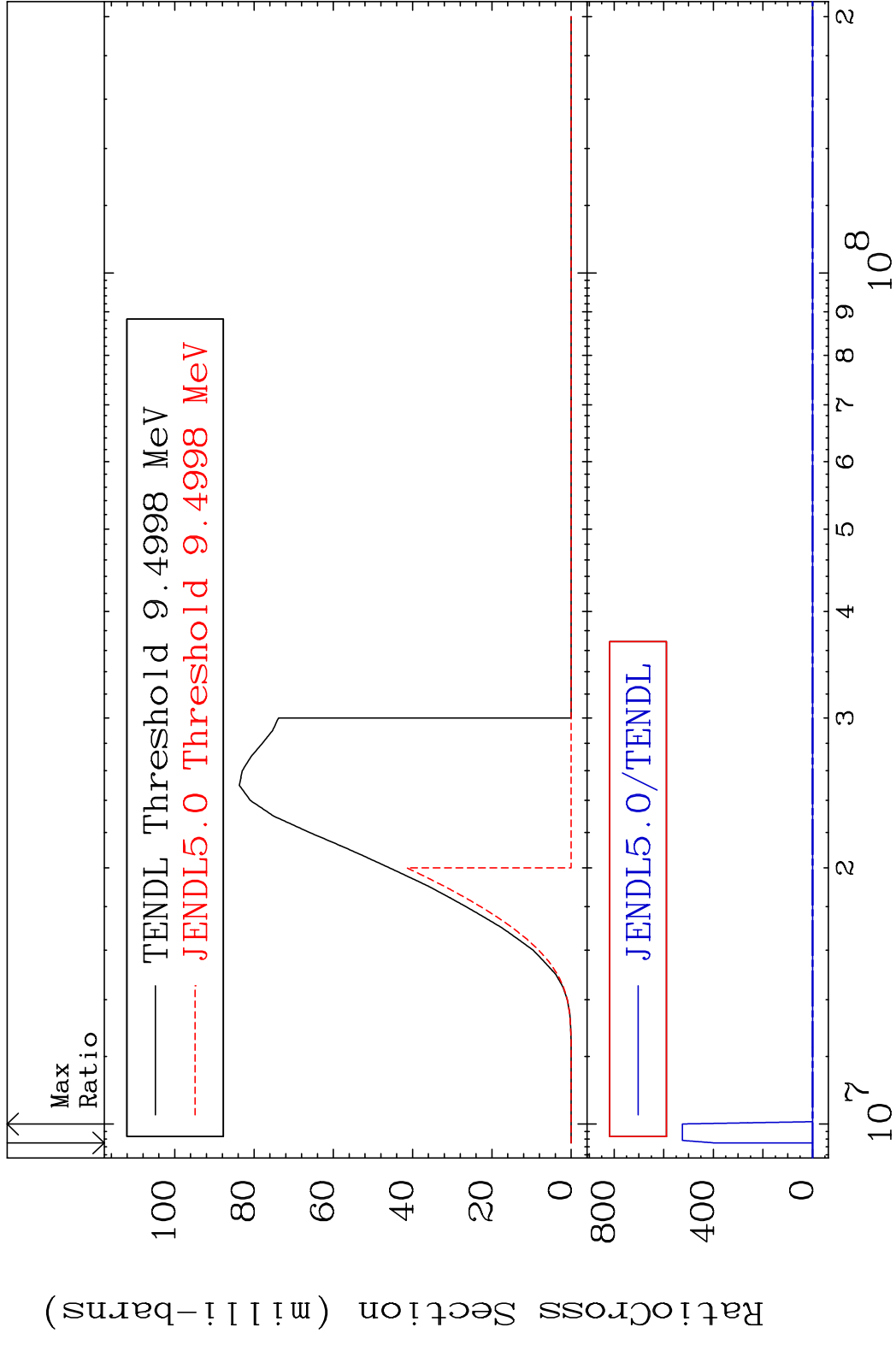


MAT 4031 (n, n') α 40-Zr-92
 Cross Section -100.0 To 9999. %



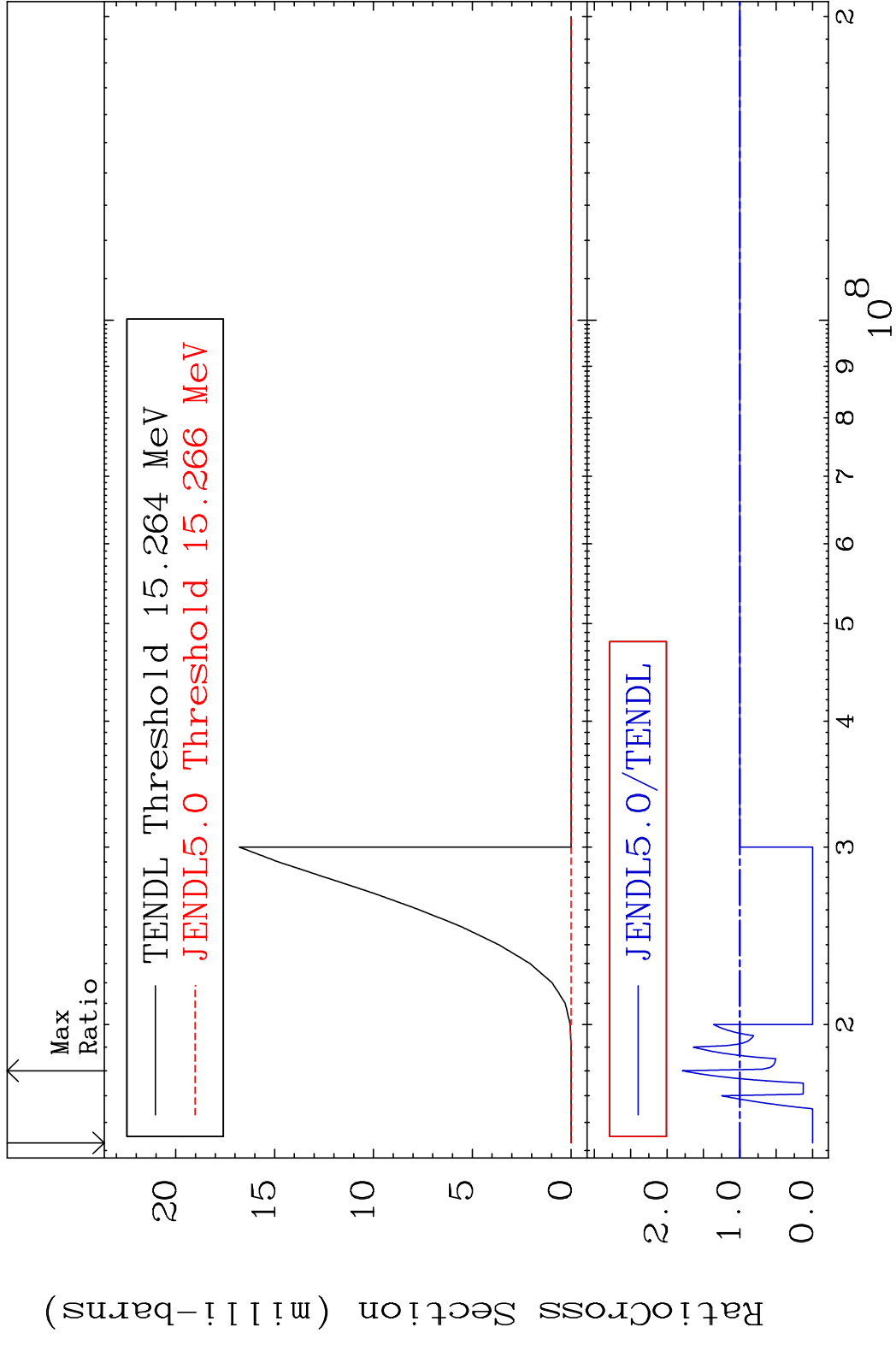
7 Incident Energy (eV) 40-Zr-92

MAT 4031 (n, n') p 40-Zr-92
 Cross Section -100.0 To 9999. %



8 Incident Energy (eV) 40-Zr-92

MAT 4031 (n, n') d 40-Zr-92
 Cross Section -100.0 To 78.96 %

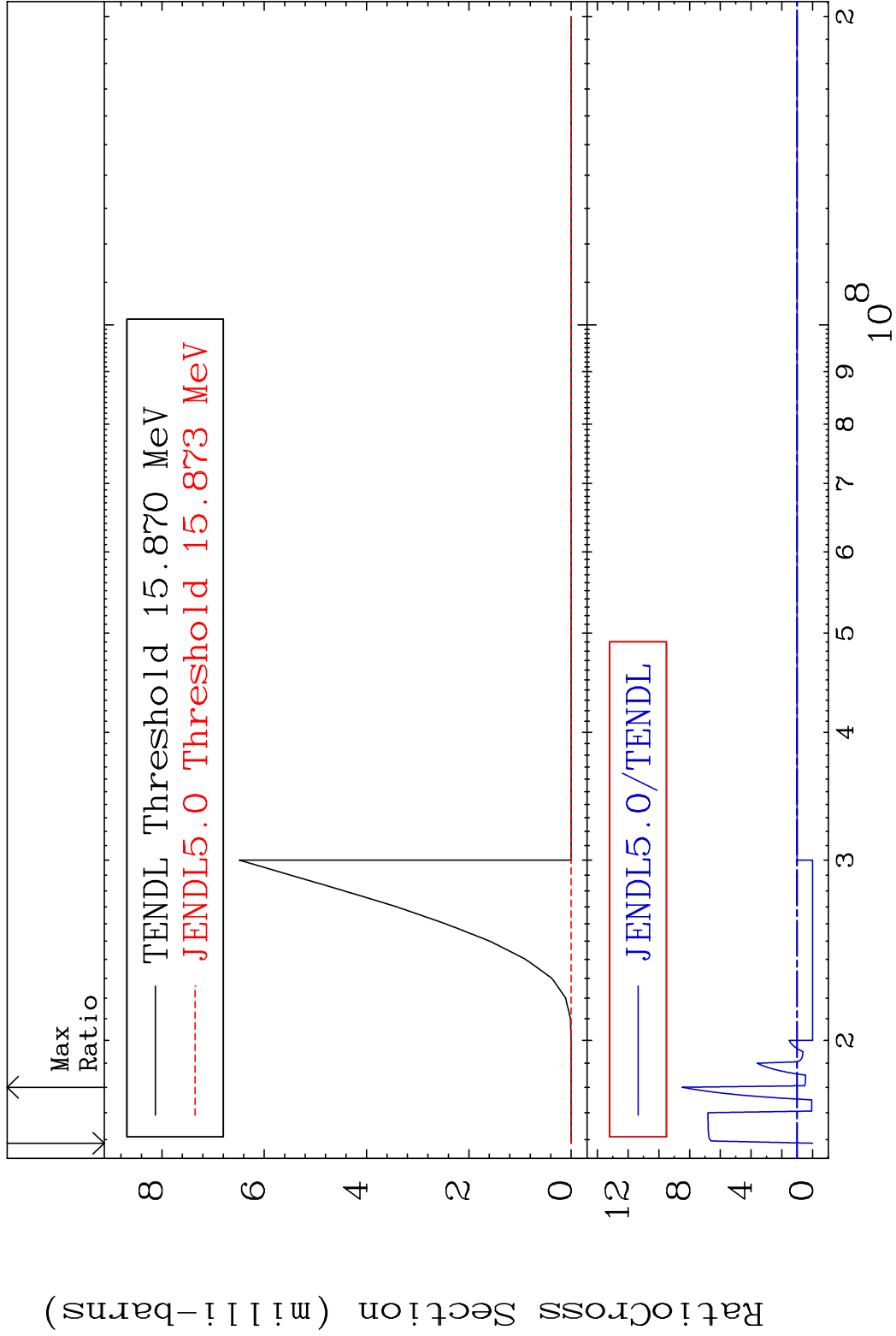


MAT 4031

(n, n') t

40-Zr-92

Cross Section -100.0 To 747.1 %

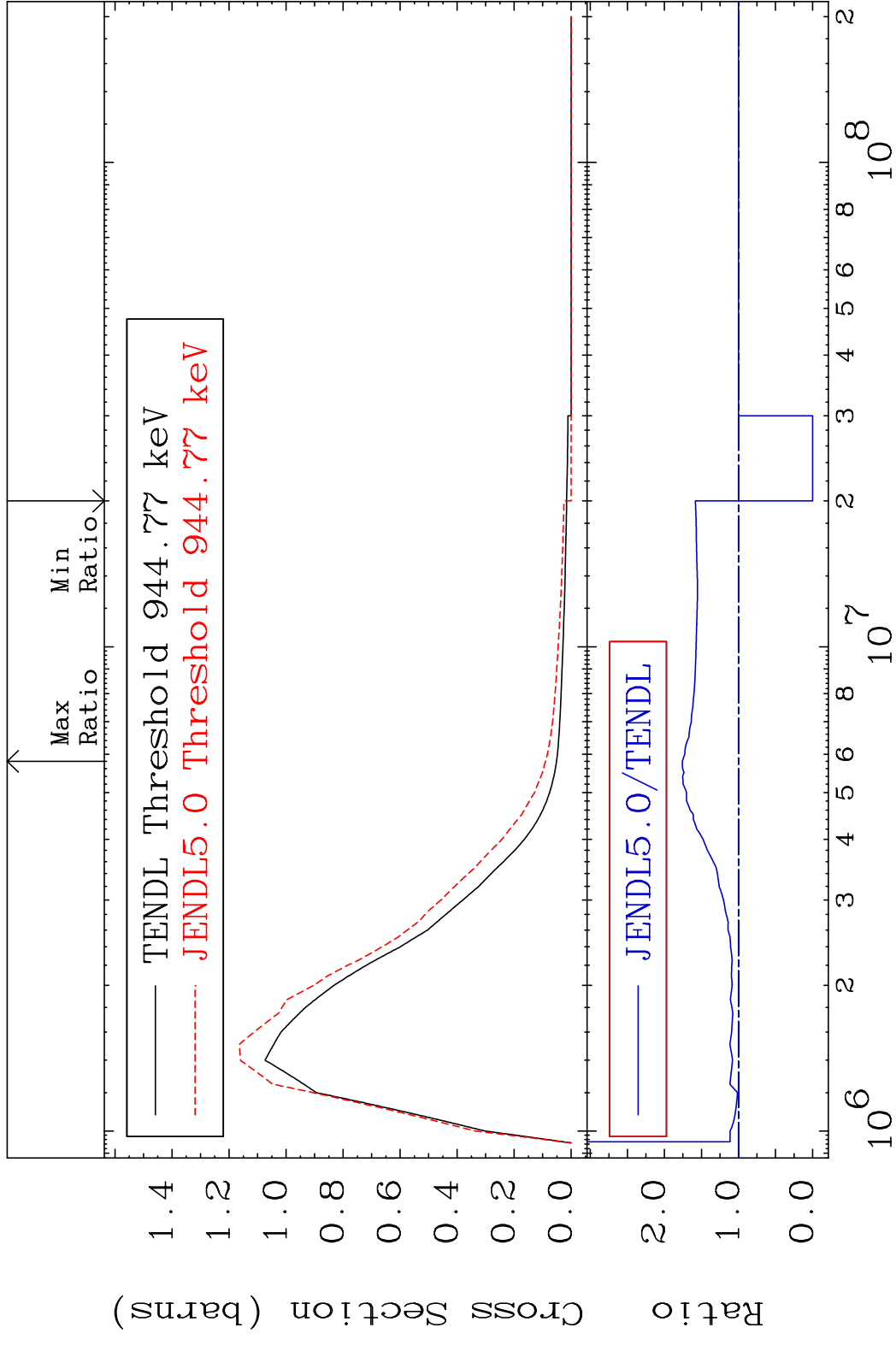


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Incident Energy (eV)

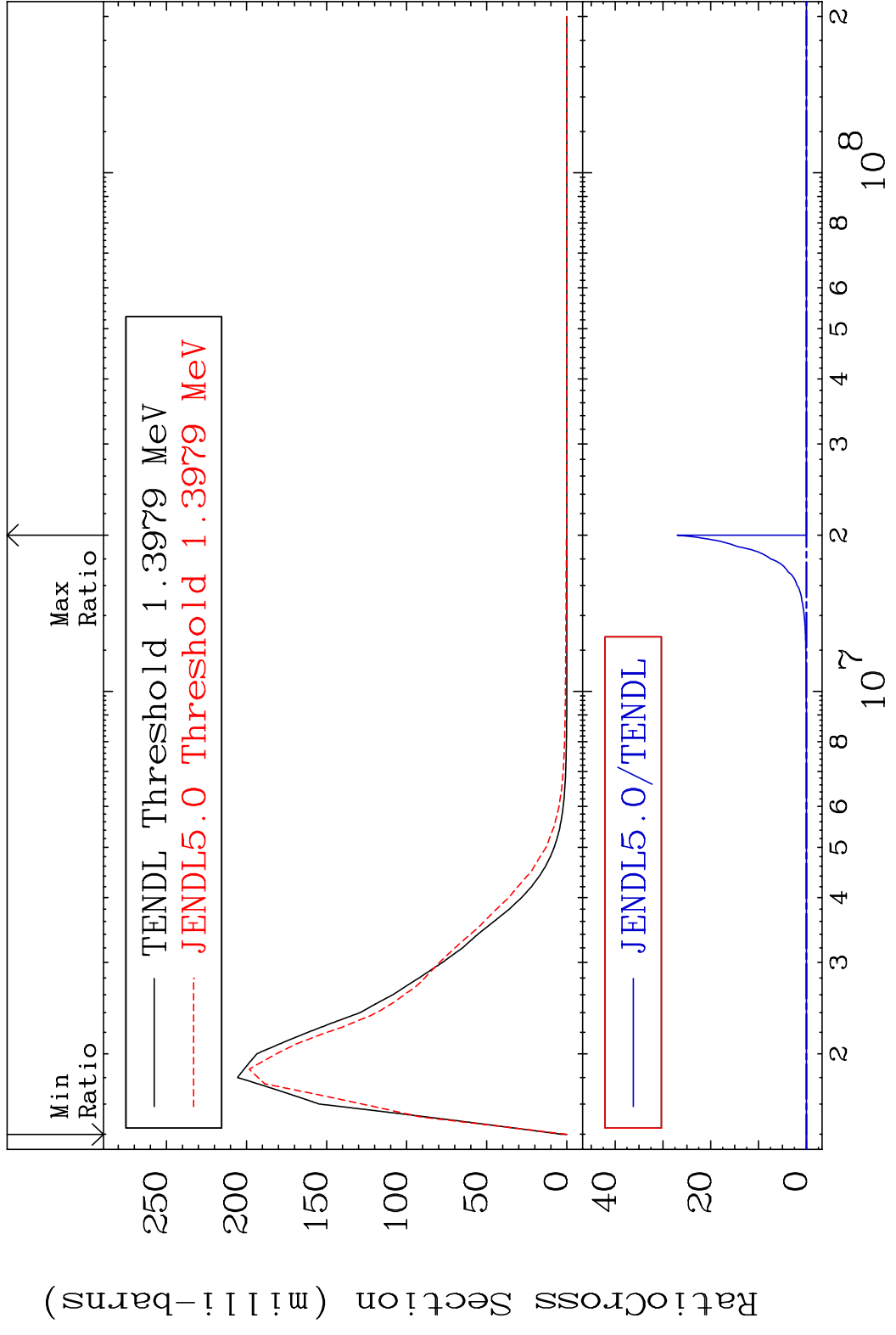
40-Zr-92

MAT 4031 MT= 51 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 75.80 %

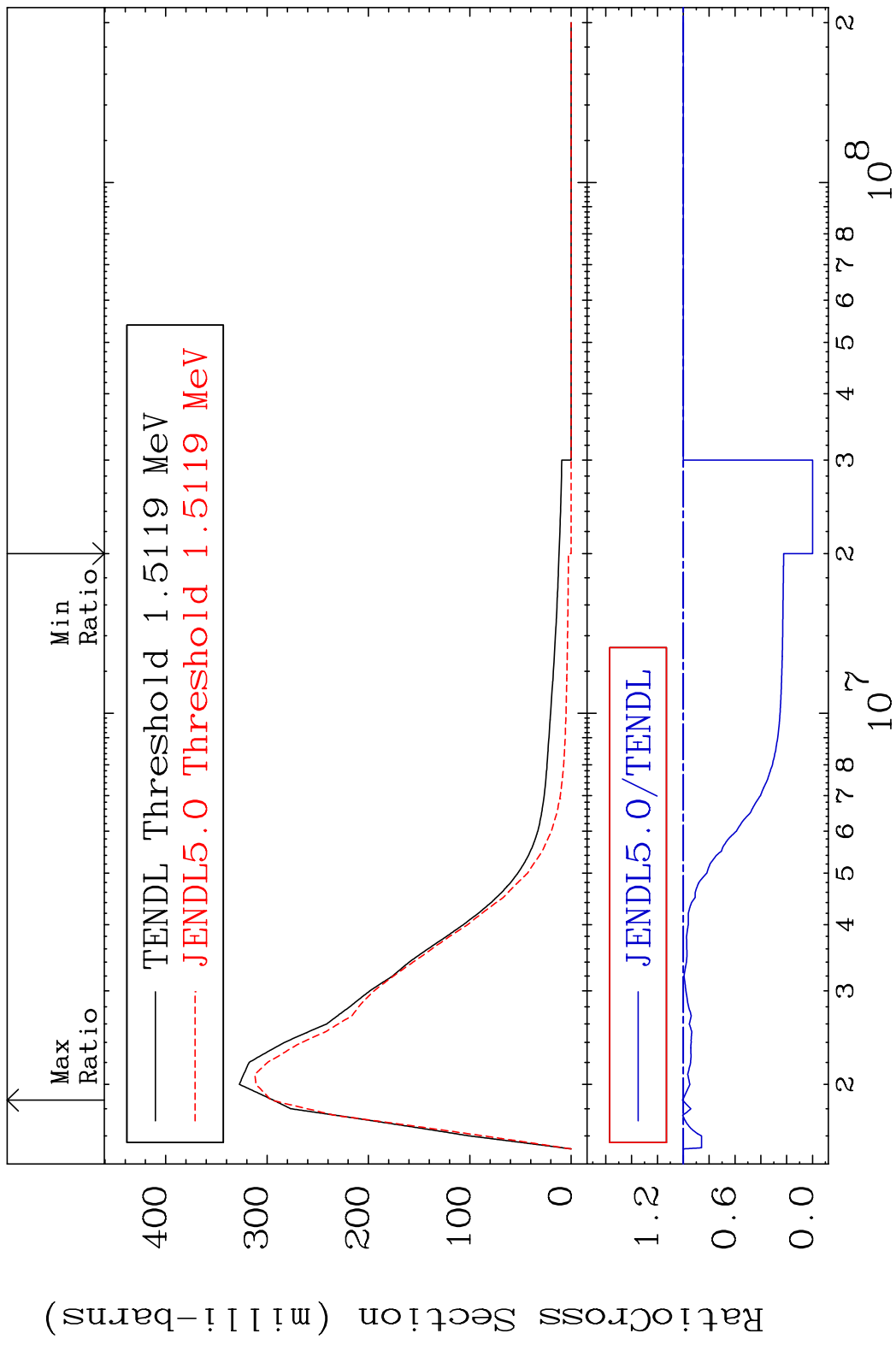


11 Incident Energy (eV) 40-Zr-92

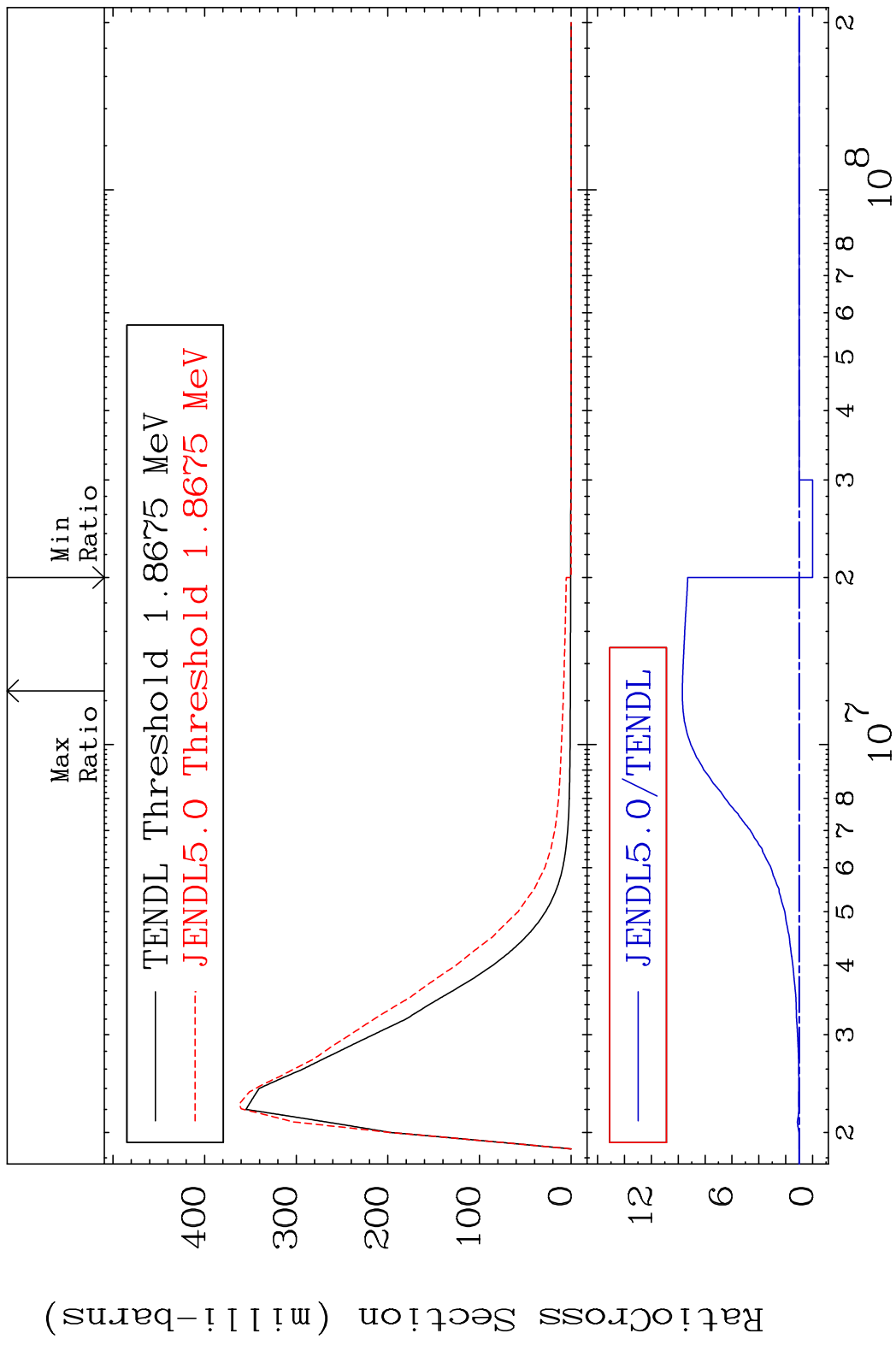
MAT 4031 MT= 52 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 9999. %



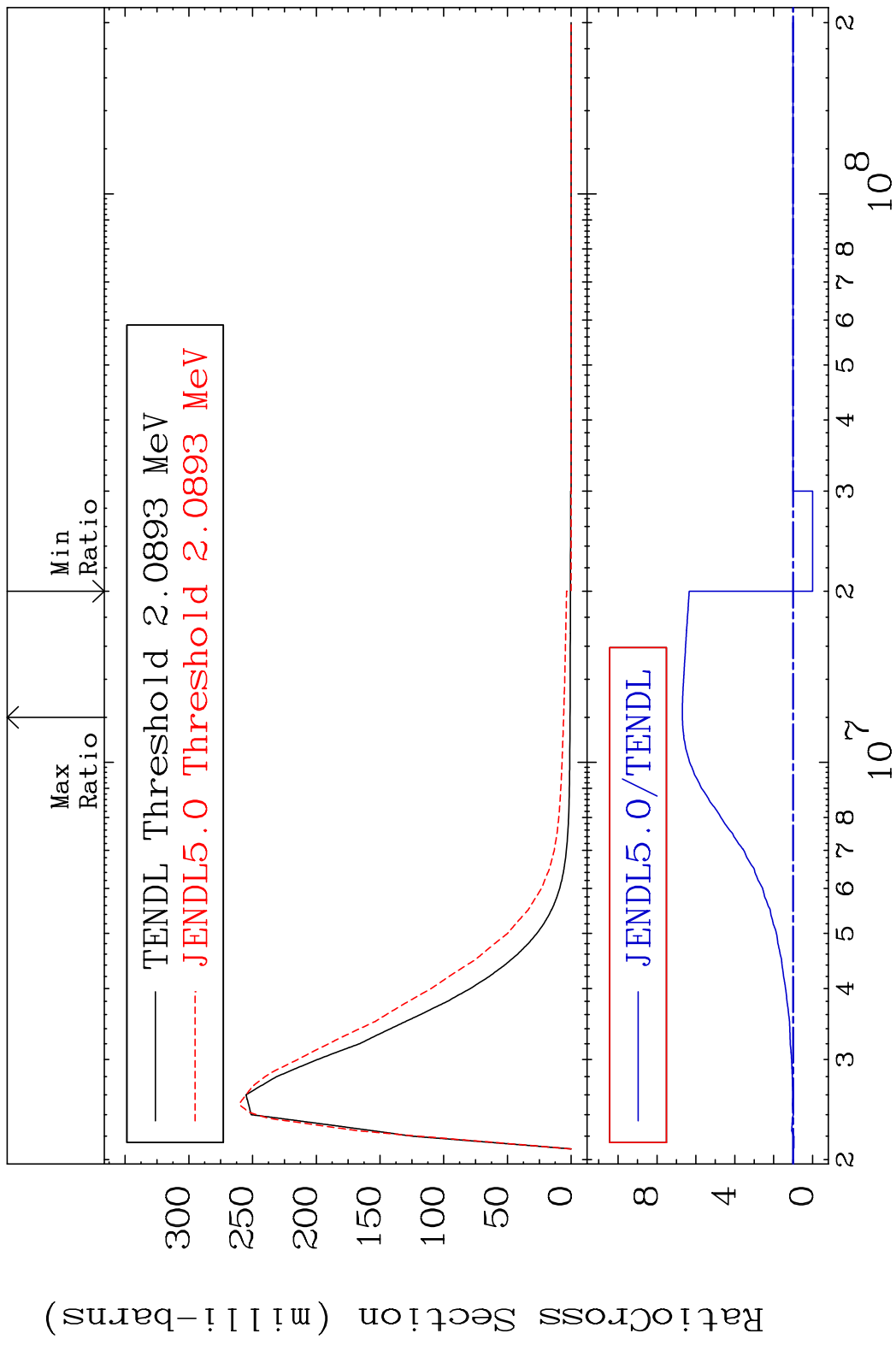
MAT 4031 MT= 53 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 0.741 %



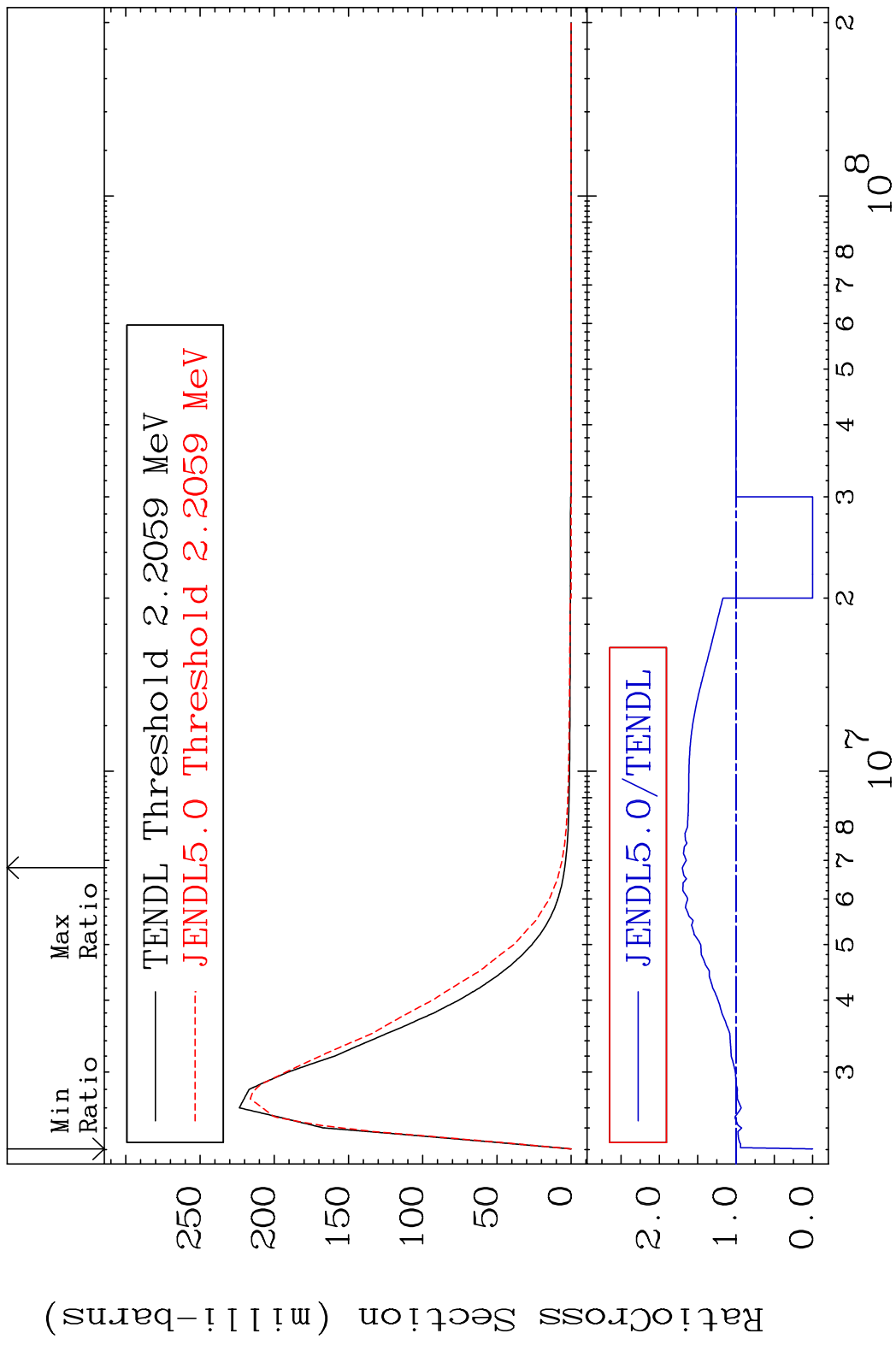
MAT 4031 MT= 54 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 869.3 %



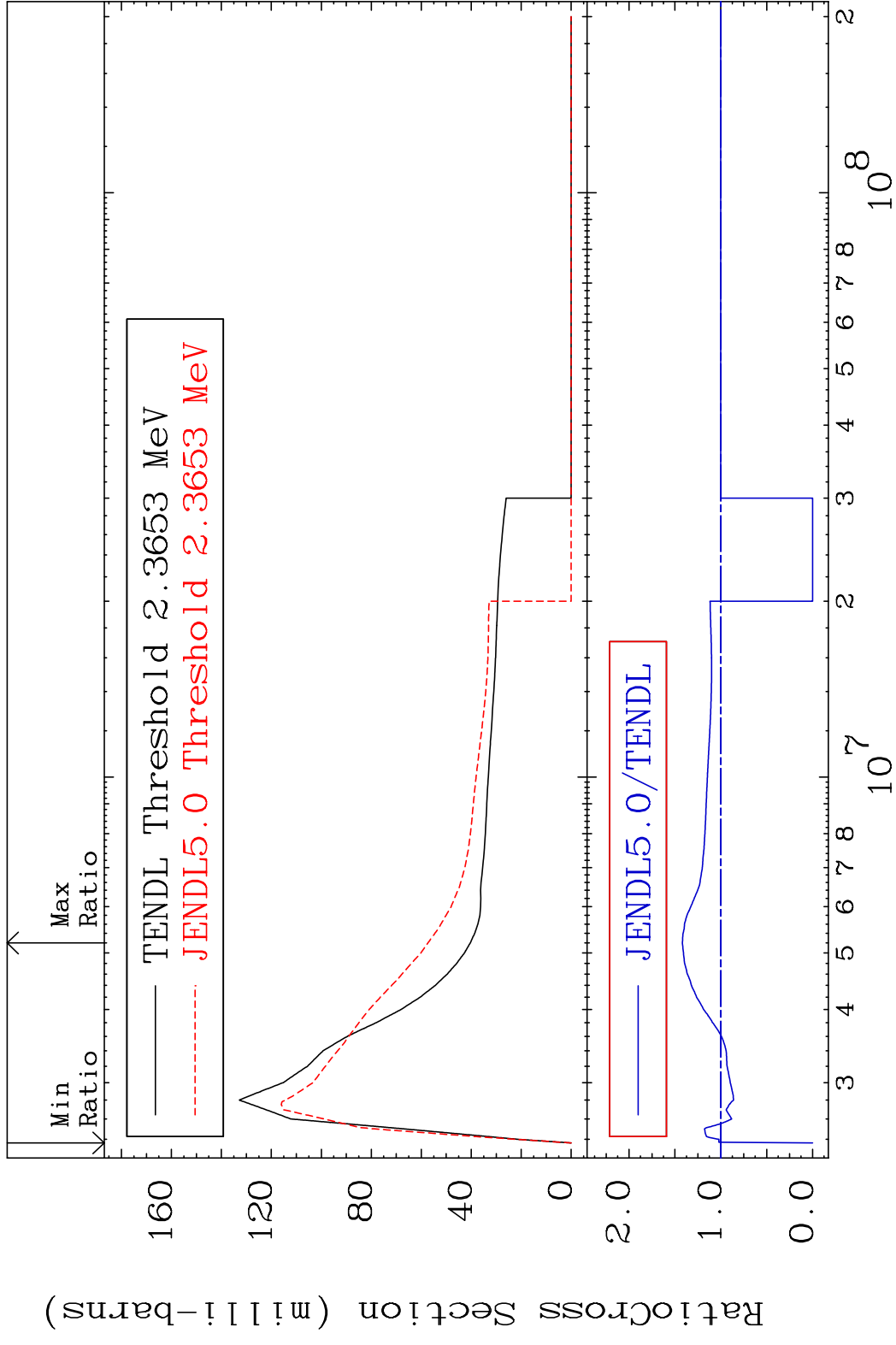
MAT 4031 MT= 55 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 569.5 %



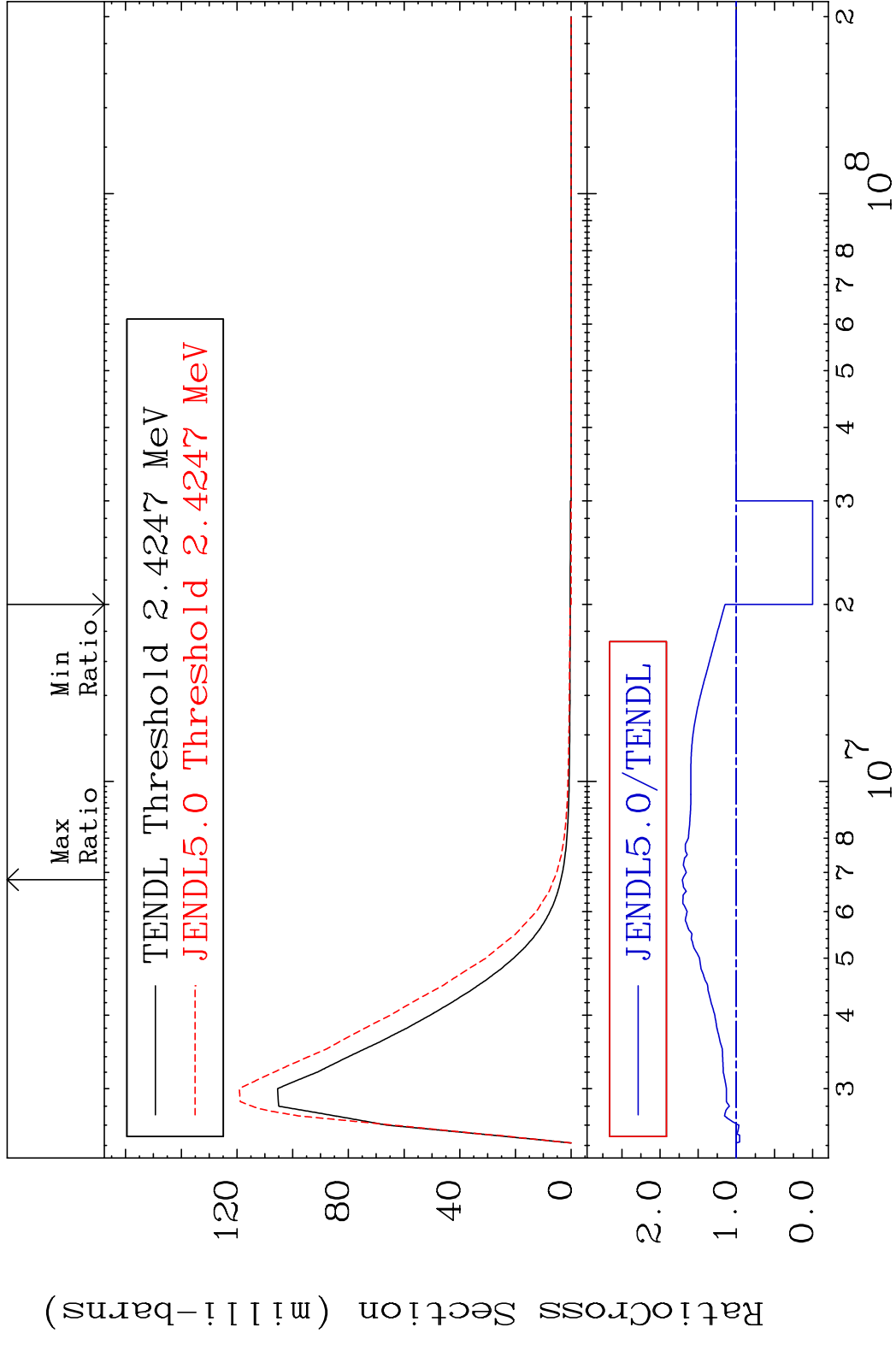
MAT 4031 MT= 56 (n,n') Level 40-Zr-92
 Cross Section -100.0 To 69.94 %



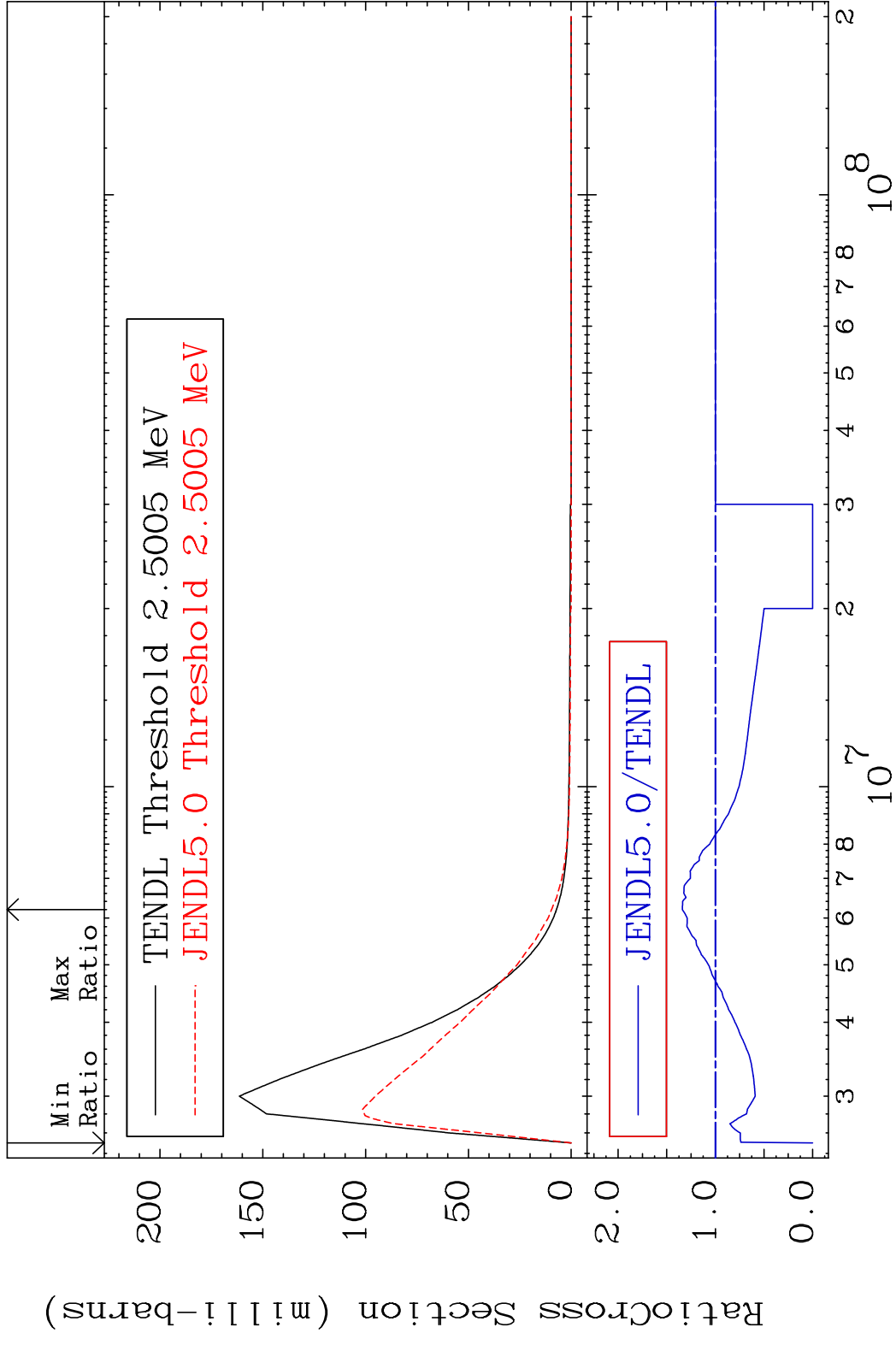
MAT 4031 MT= 57 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 41.92 %



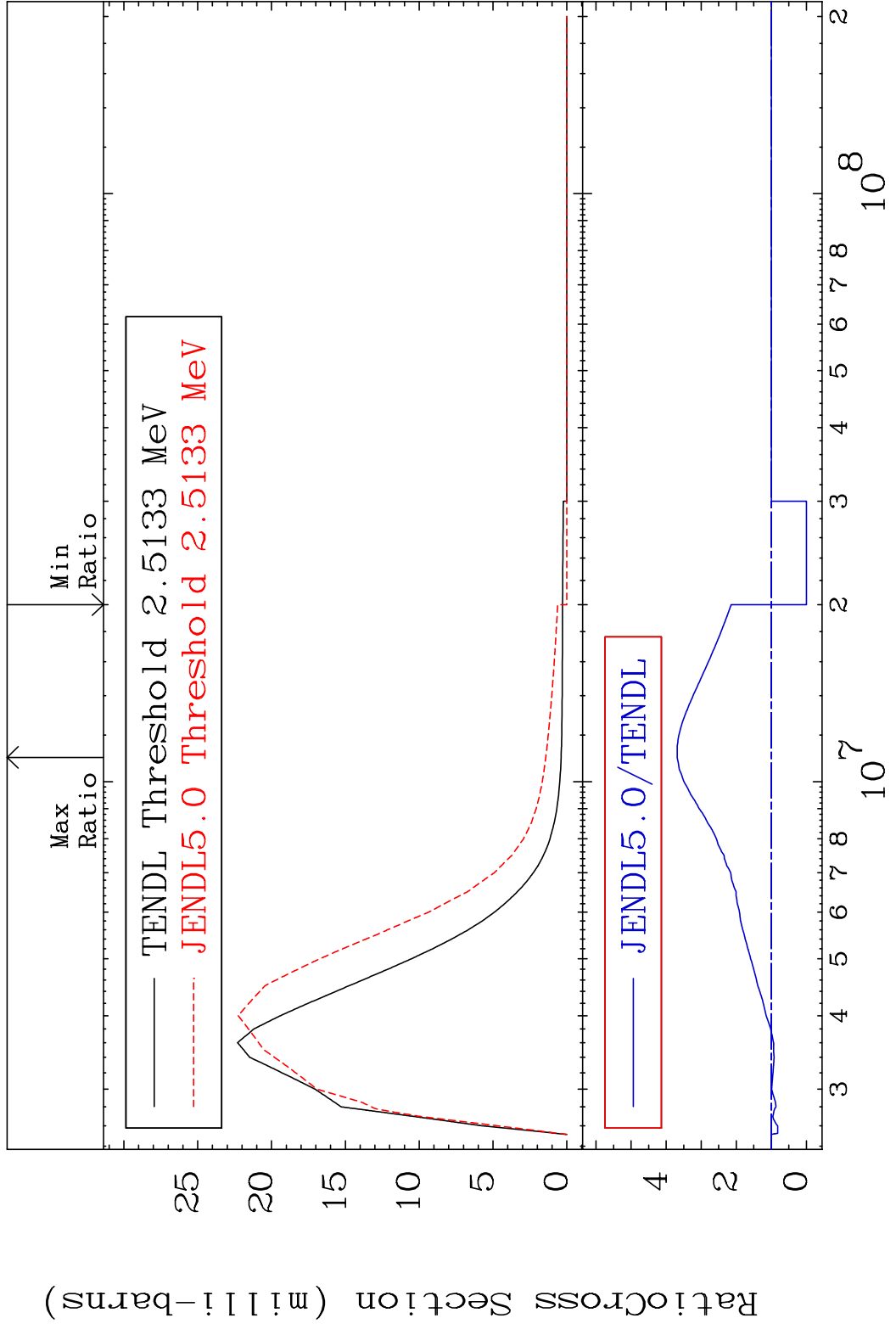
MAT 4031 MT= 58 (n,n') Level 40-Zr-92
 Cross Section -100.0 To 70.73 %



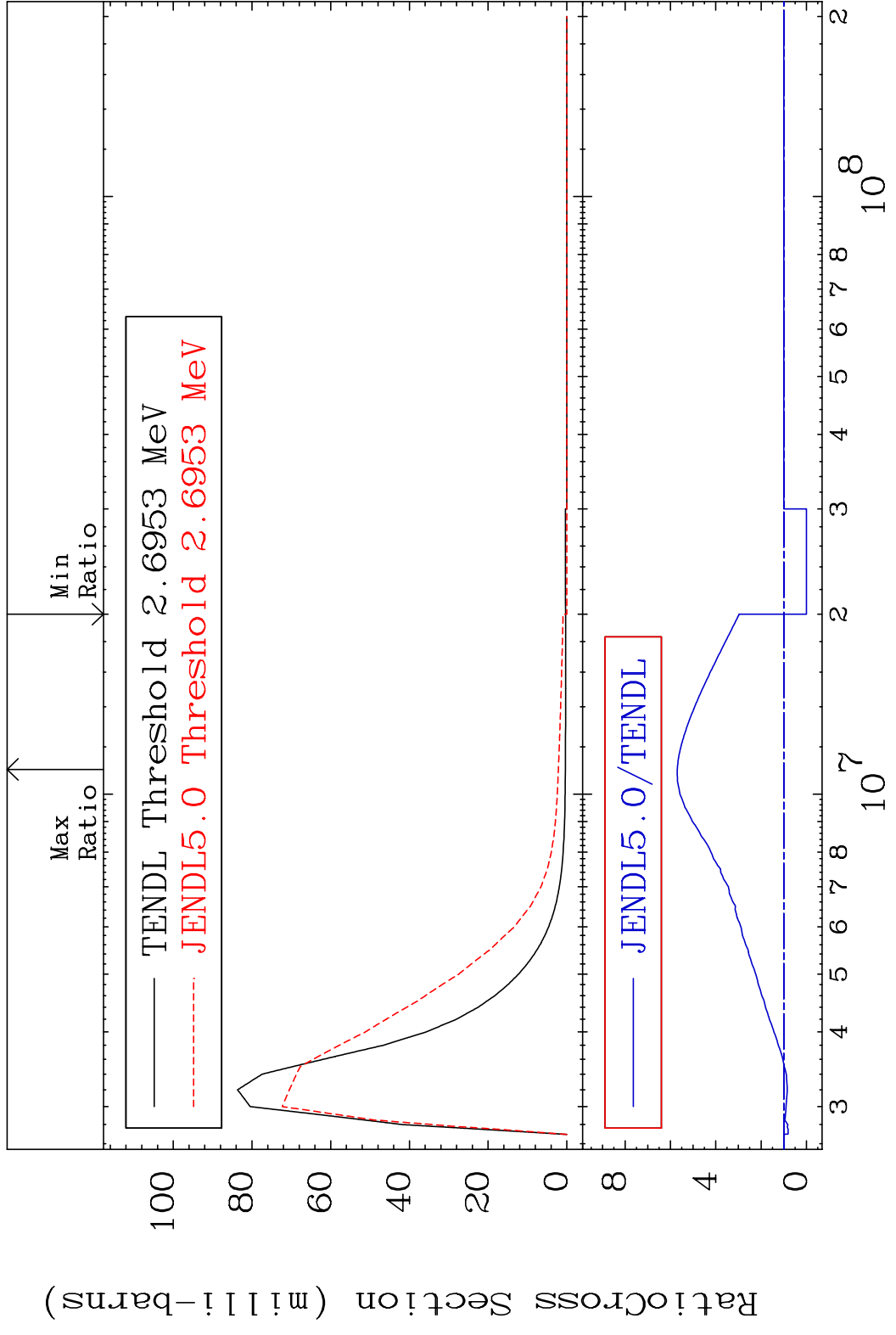
MAT 4031 MT= 59 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 33.94 %



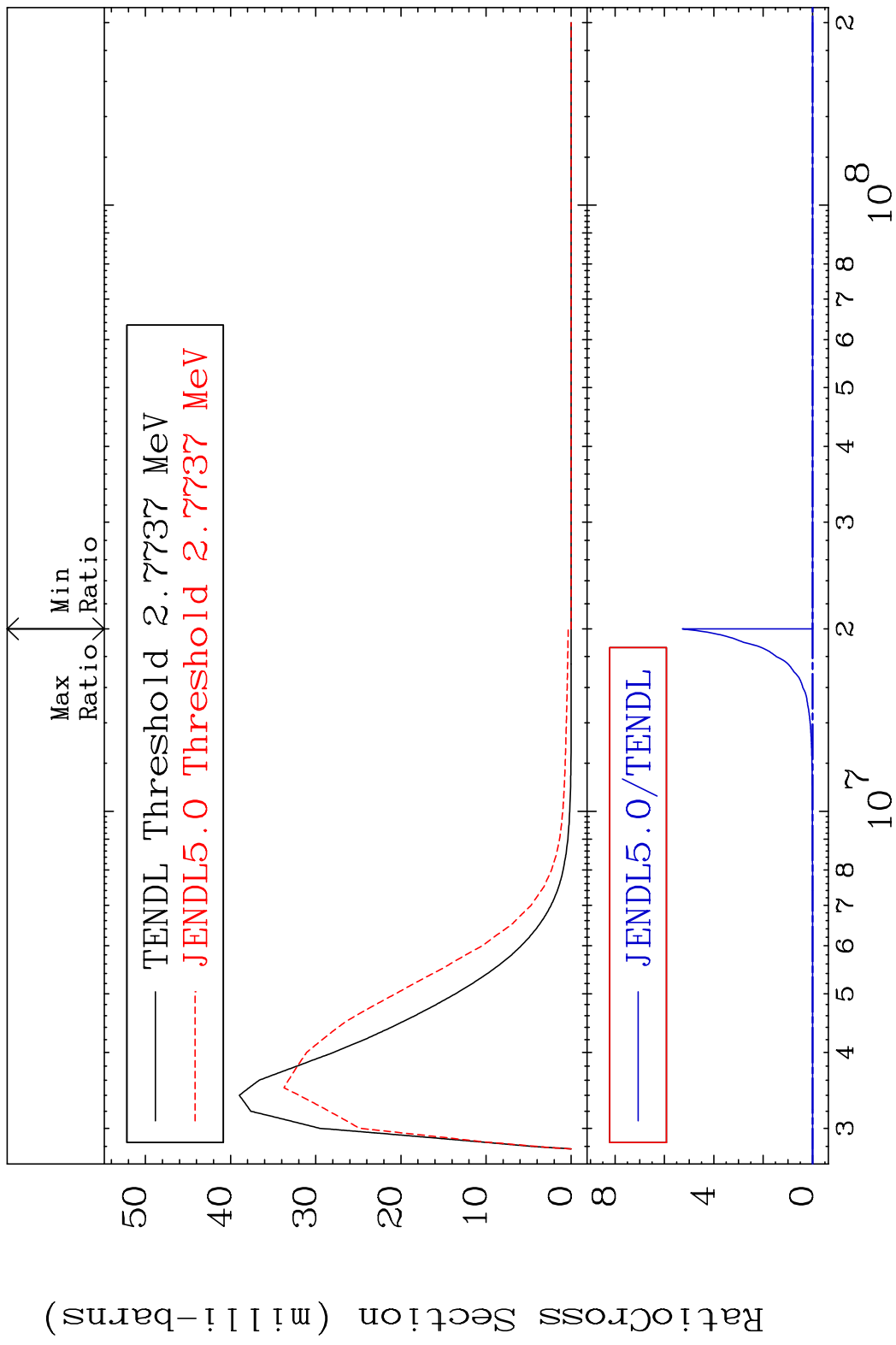
MAT 4031 MT= 60 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 268.5 %



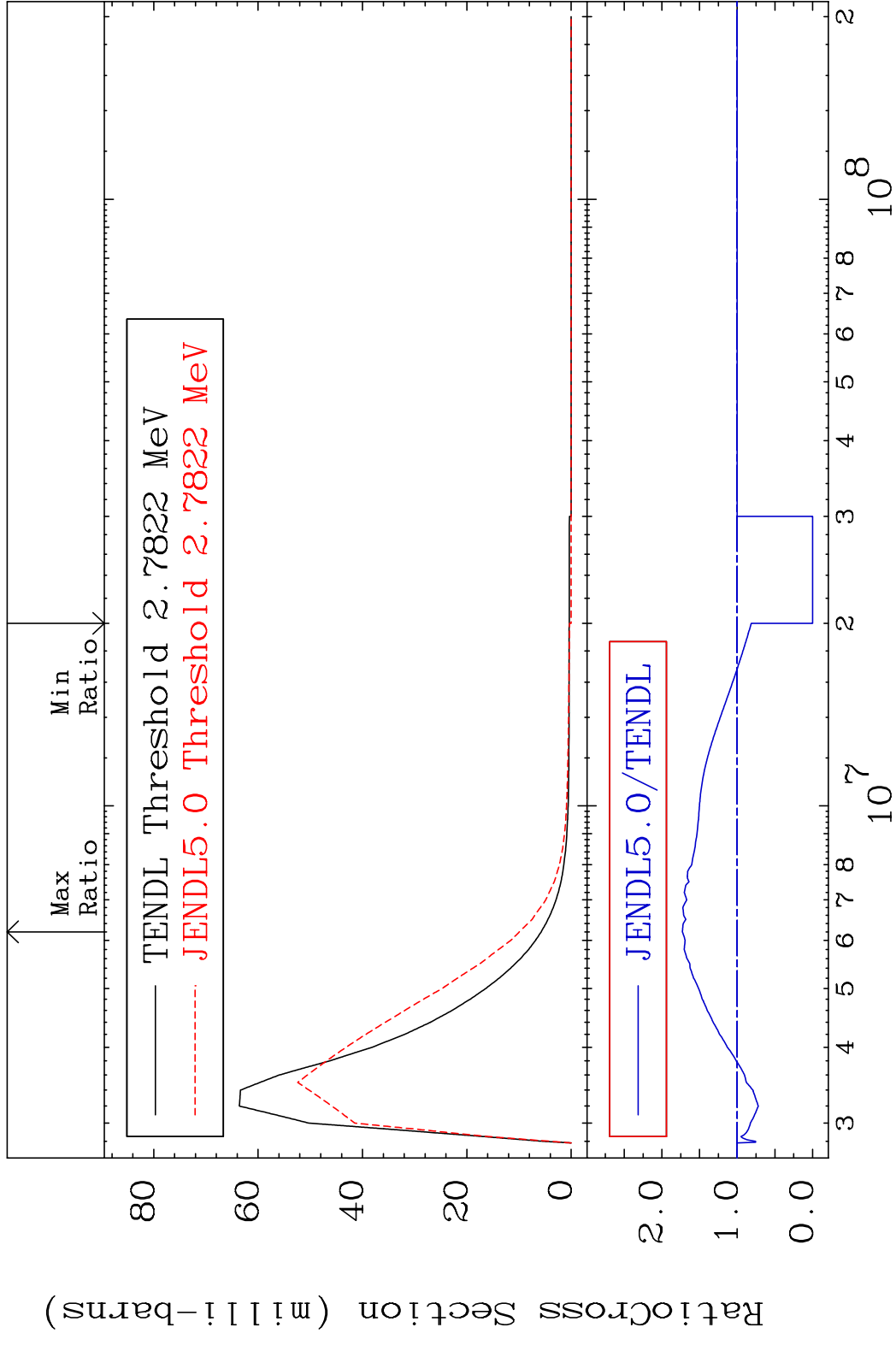
MAT 4031 MT= 61 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 470.2 %



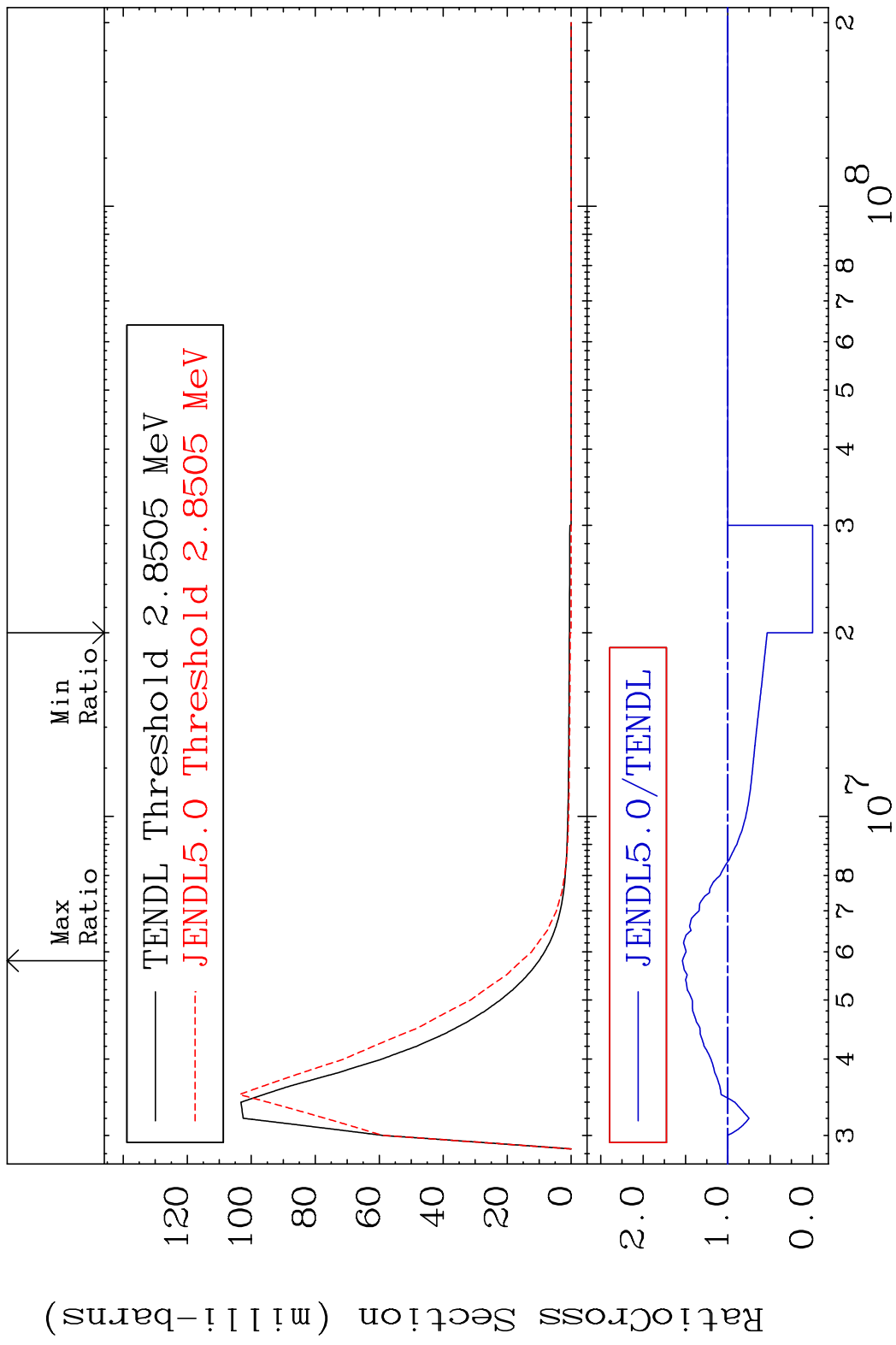
MAT 4031 MT= 62 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 9999. %



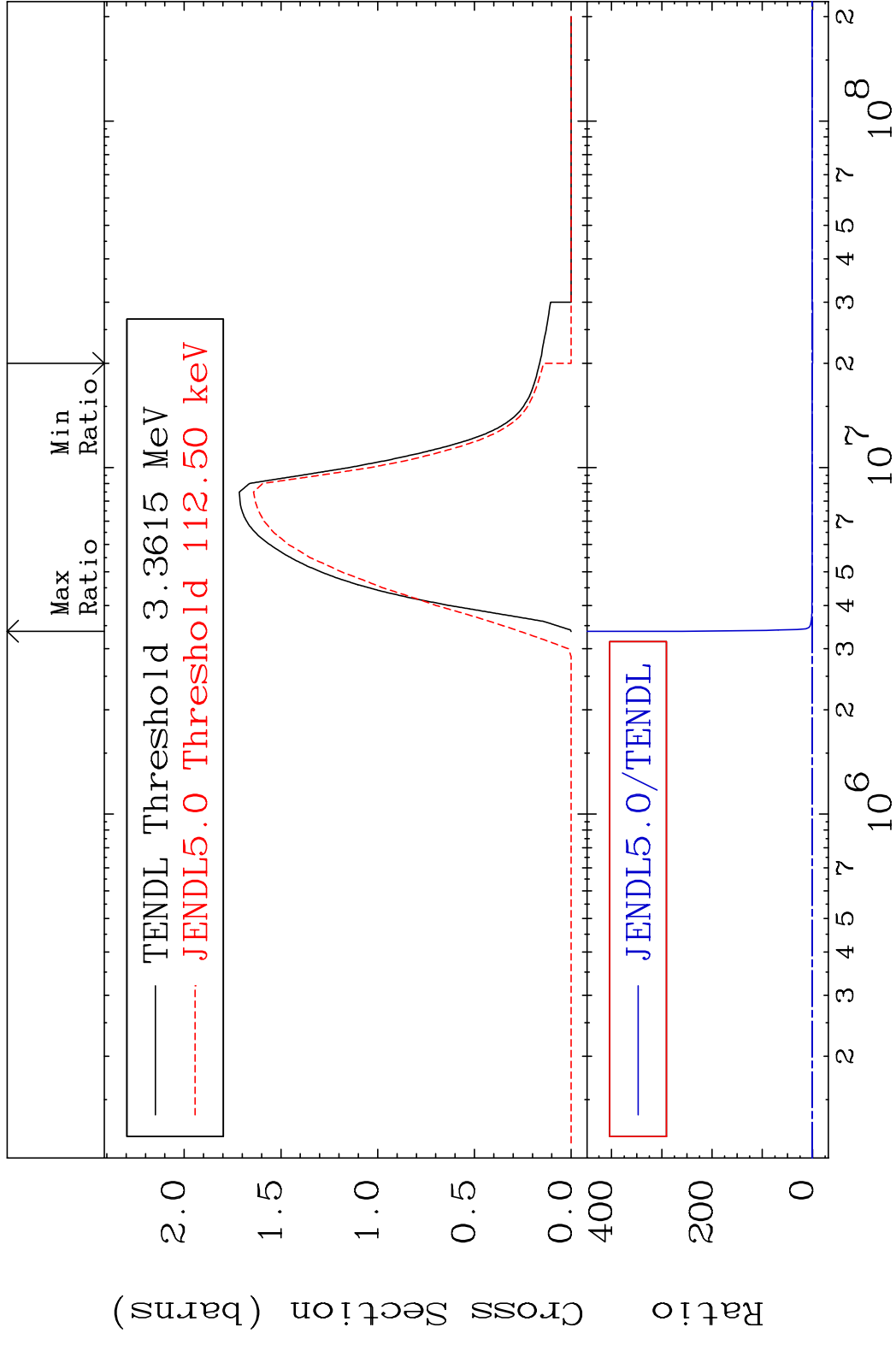
MAT 4031 MT= 63 (n, n') Level 40-Zr-92
 Cross Section -100.0 To 72.83 %



MAT 4031 MT= 64 (n,n') Level 40-Zr-92
 Cross Section -100.0 To 53.73 %



MAT 4031 (n,n') Continuum 40-Zr-92
 Cross Section -100.0 To 9999. %

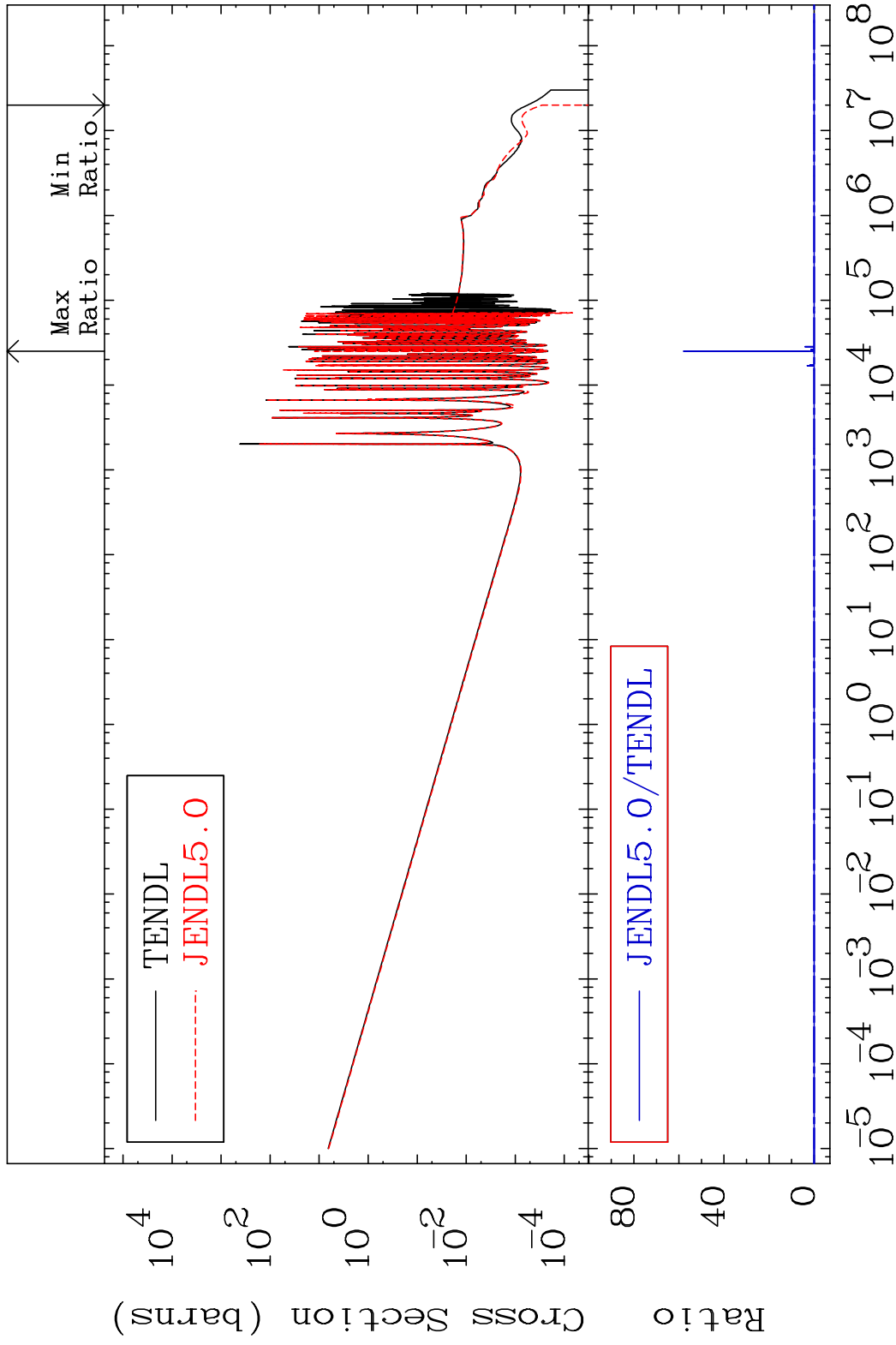


MAT 4031

(n, γ)

40-Zr-92

Cross Section -100.0 To 9999. %

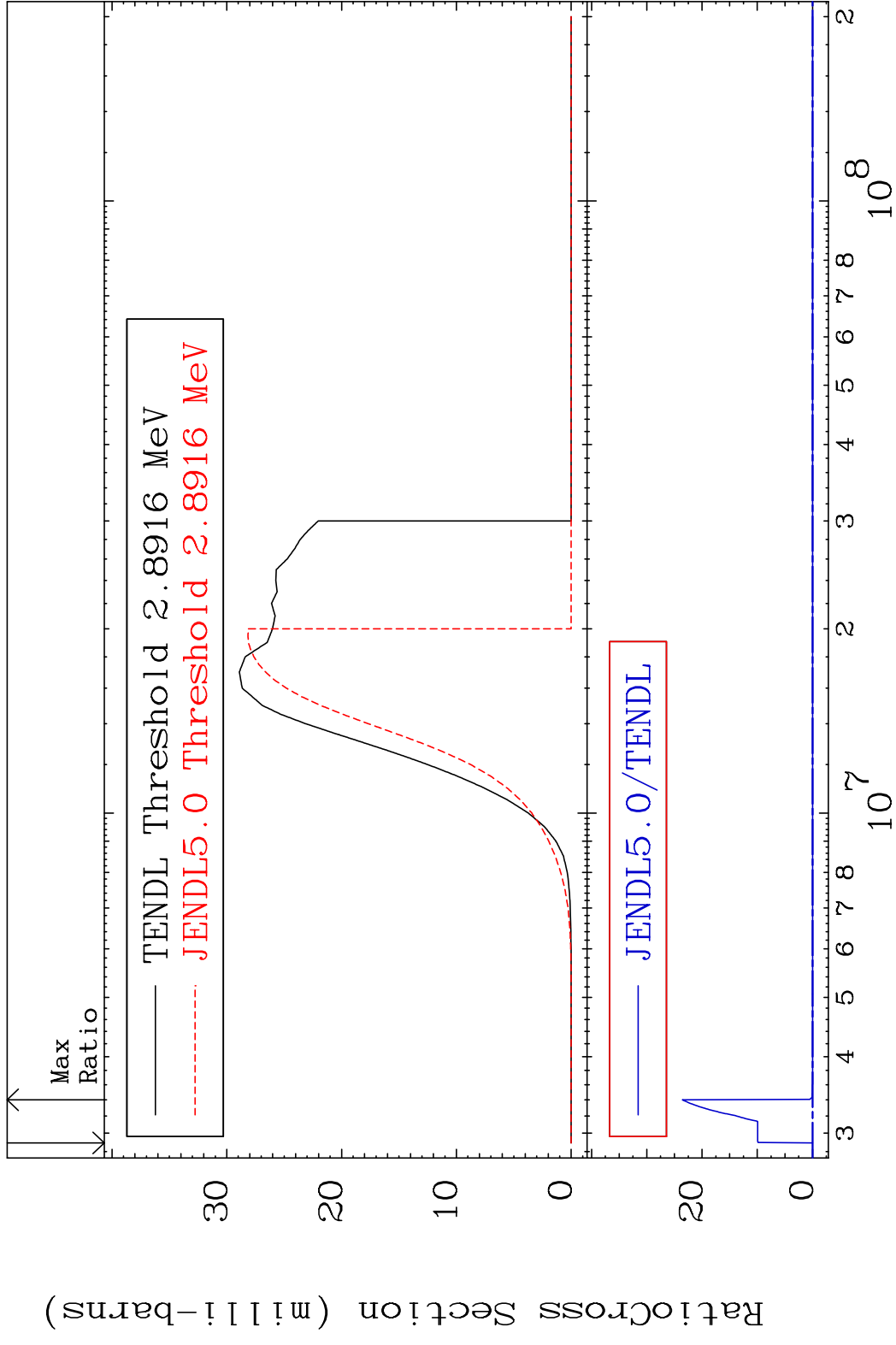


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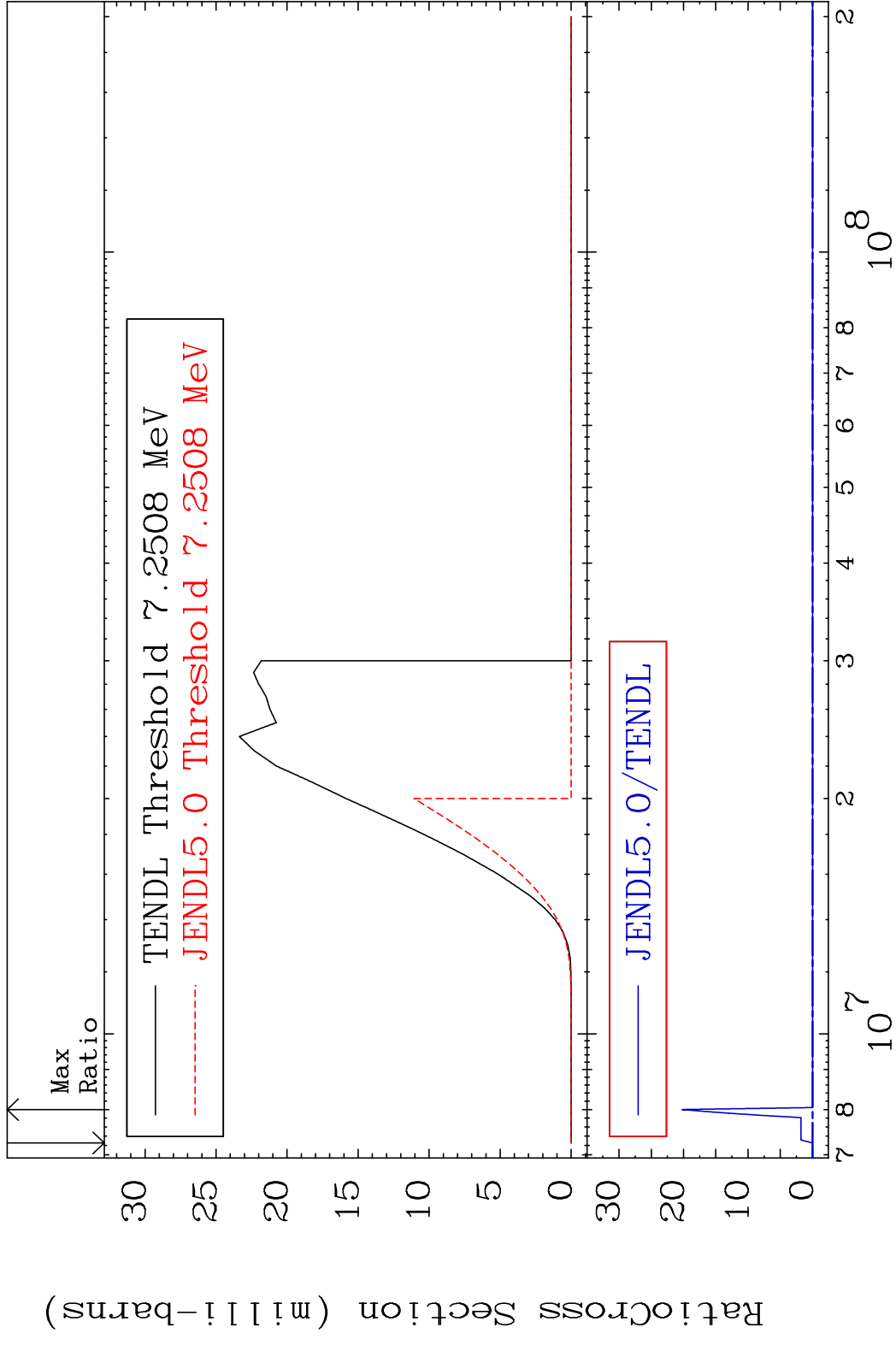
Incident Energy (eV)

40-Zr-92

MAT 4031 (n,p) 40-Zr-92
 Cross Section -100.0 To 9999. %



MAT 4031 (n,d) 40-Zr-92
 Cross Section -100.0 To 9999. %



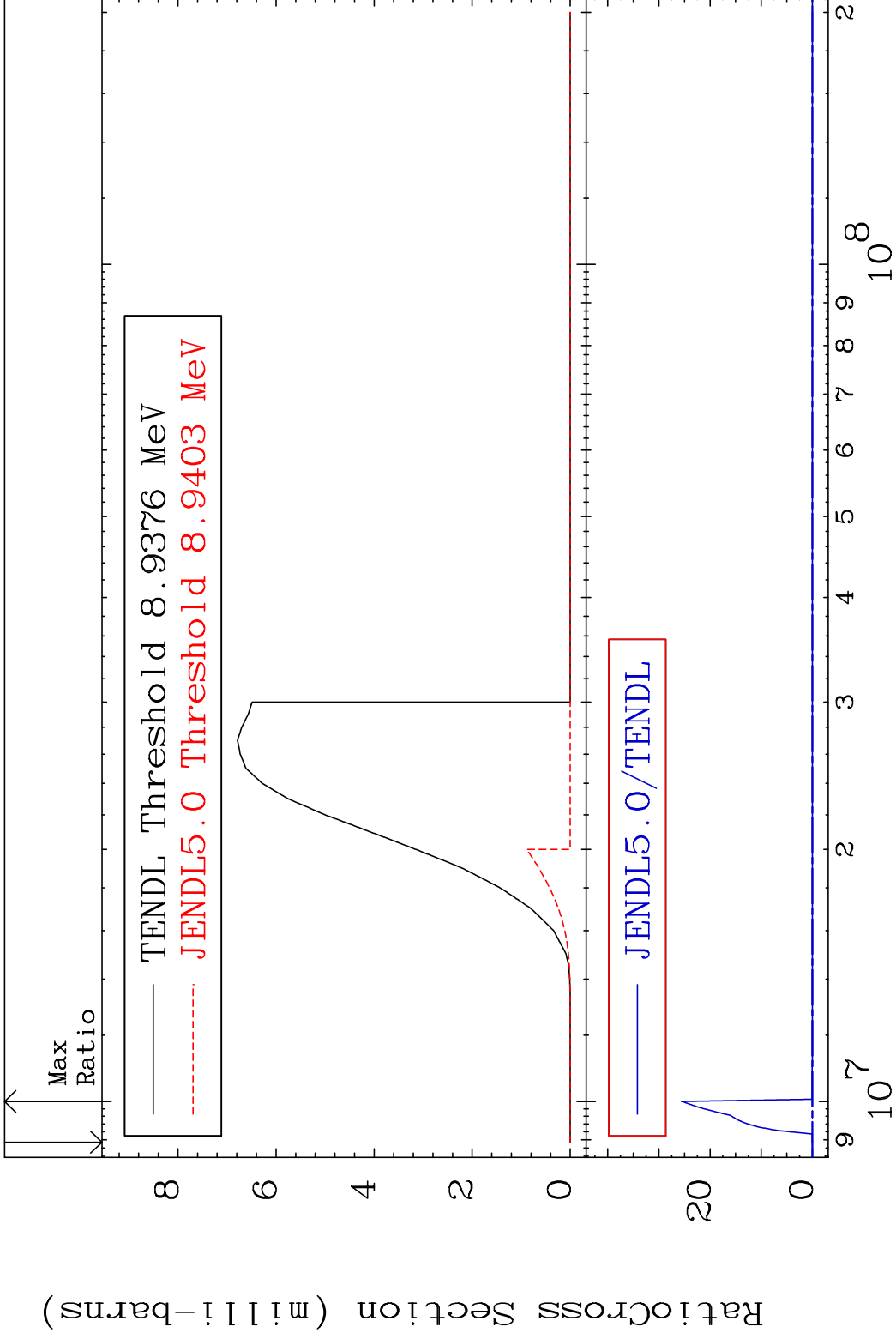
28 Incident Energy (eV) 40-Zr-92

MAT 4031

(n, t)

40-Zr-92

Cross Section -100.0 To 9999. %



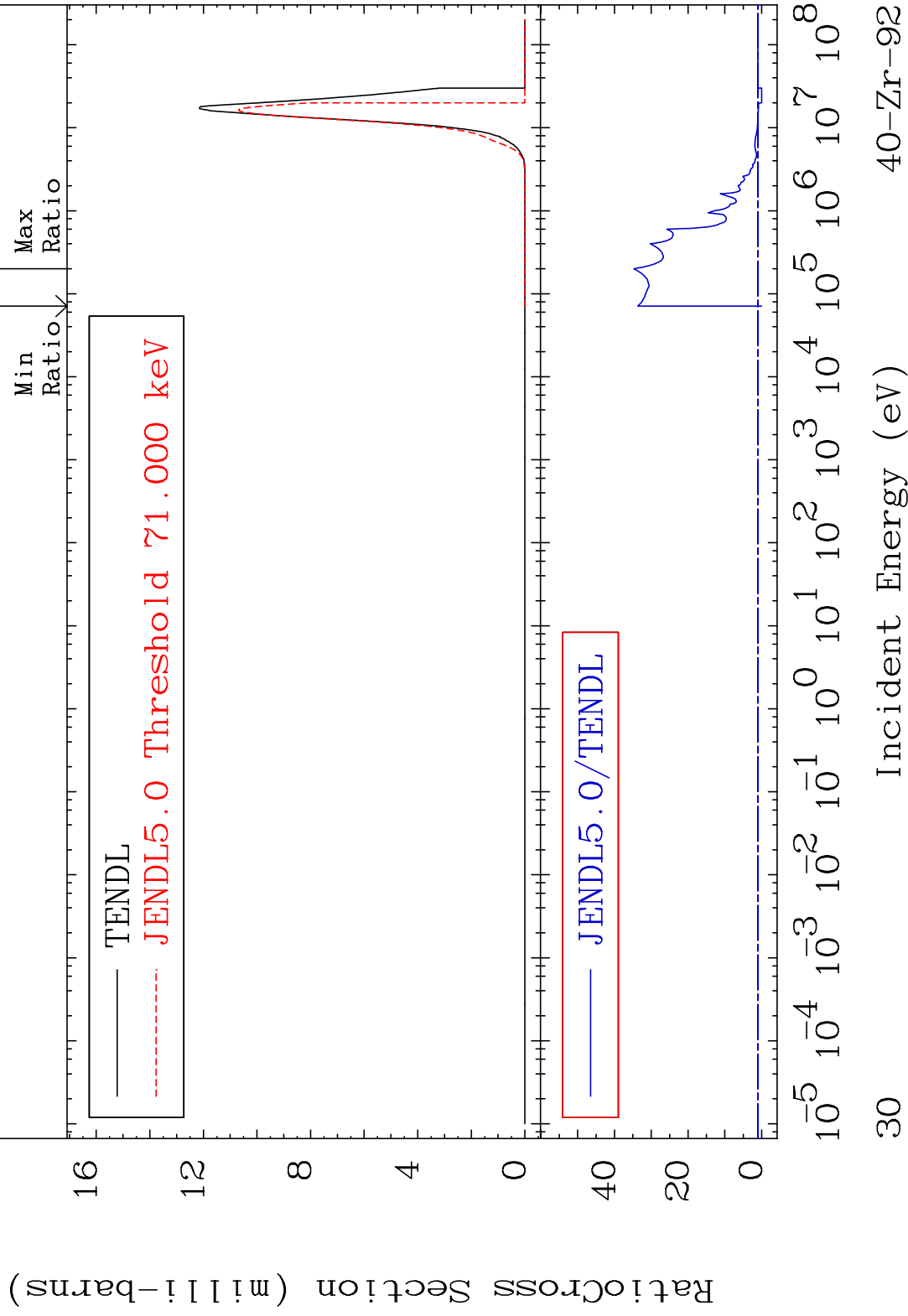
29

Incident Energy (eV)

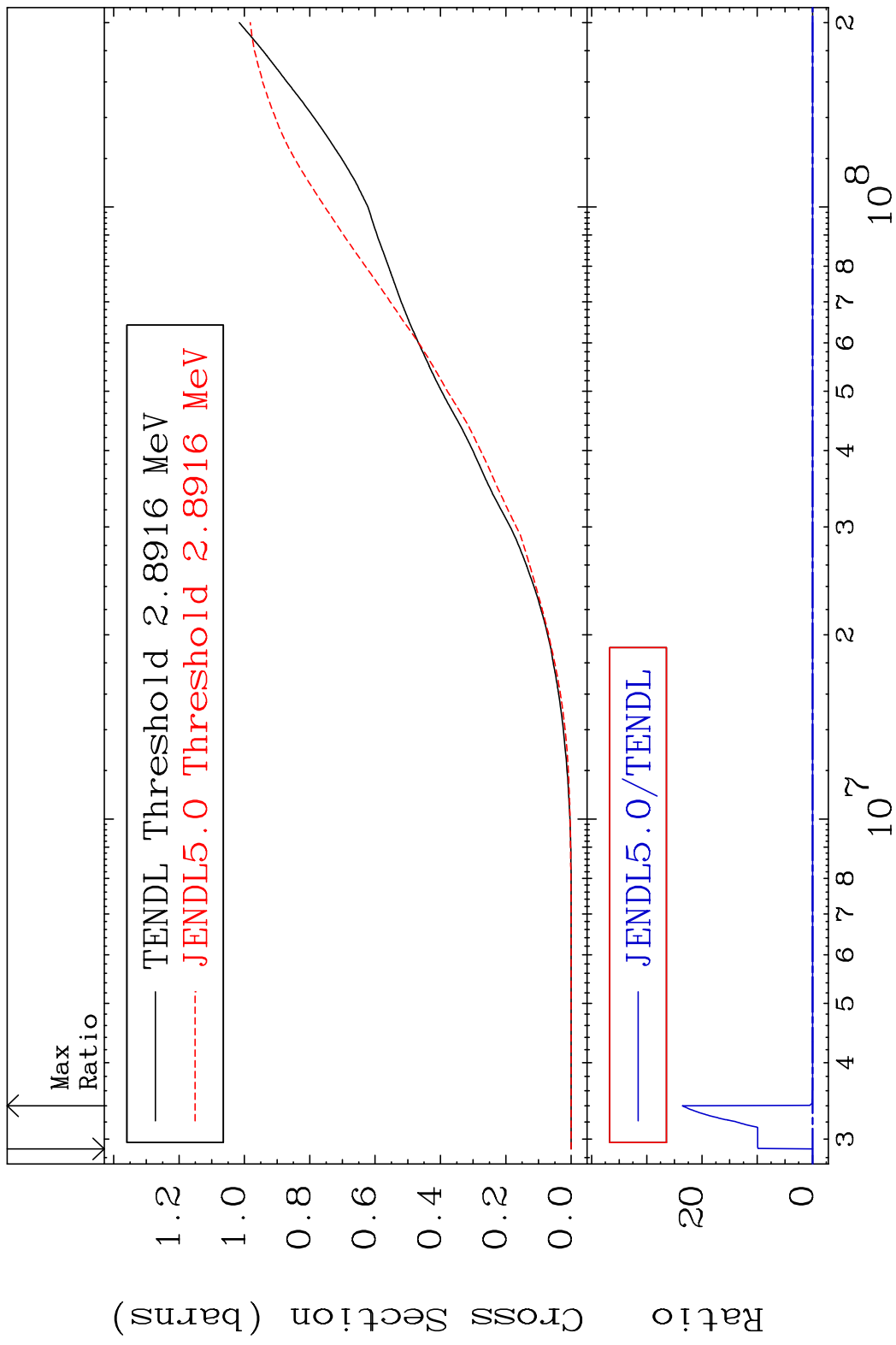
40-Zr-92

MAT 4031

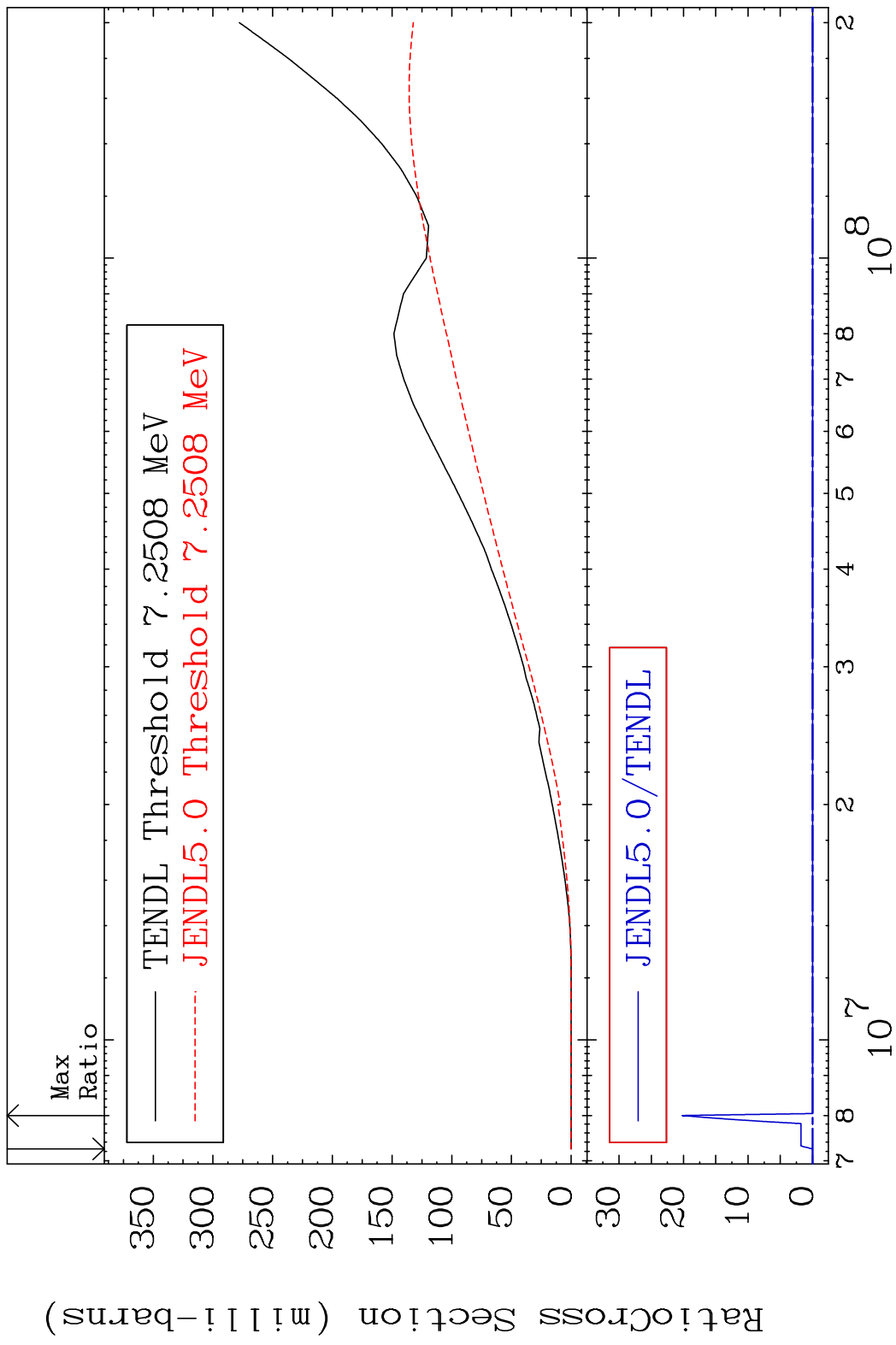
(n, α)
Cross Section -100.0 To 3371. %
40-Zr-92



MAT 4031 Hydrogen Production 40-Zr-92
 Cross Section -100.0 To 9999. %

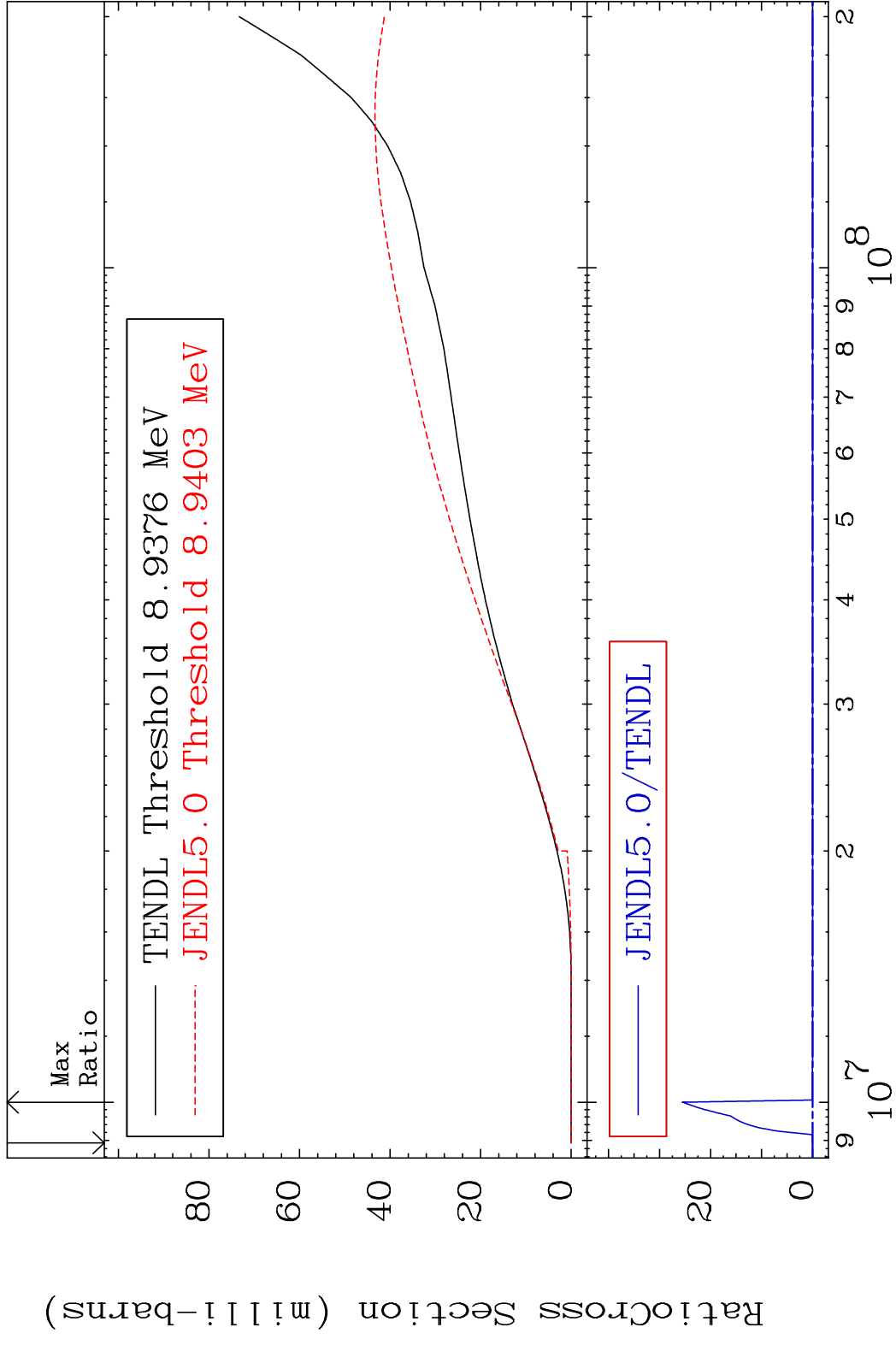


MAT 4031 Deuterium Production 40-Zr-92
 Cross Section -100.0 To 9999. %



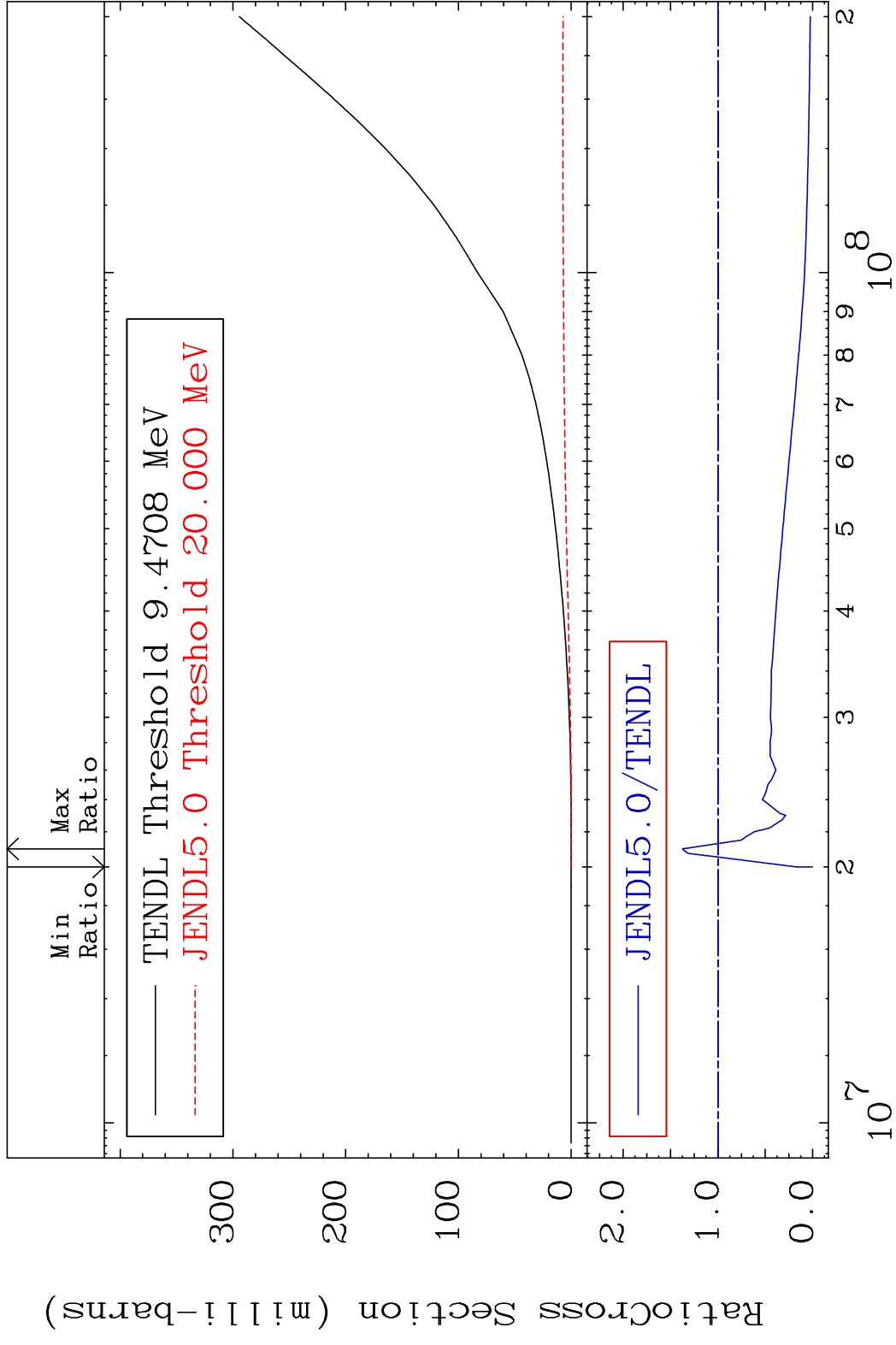
32 Incident Energy (eV) 40-Zr-92

MAT 4031 Tritium Production 40-Zr-92
 Cross Section -100.0 To 9999. %



33 40-Zr-92

MAT 4031 He-3 Production 40-Zr-92
 Cross Section -100.0 To 37.53 %



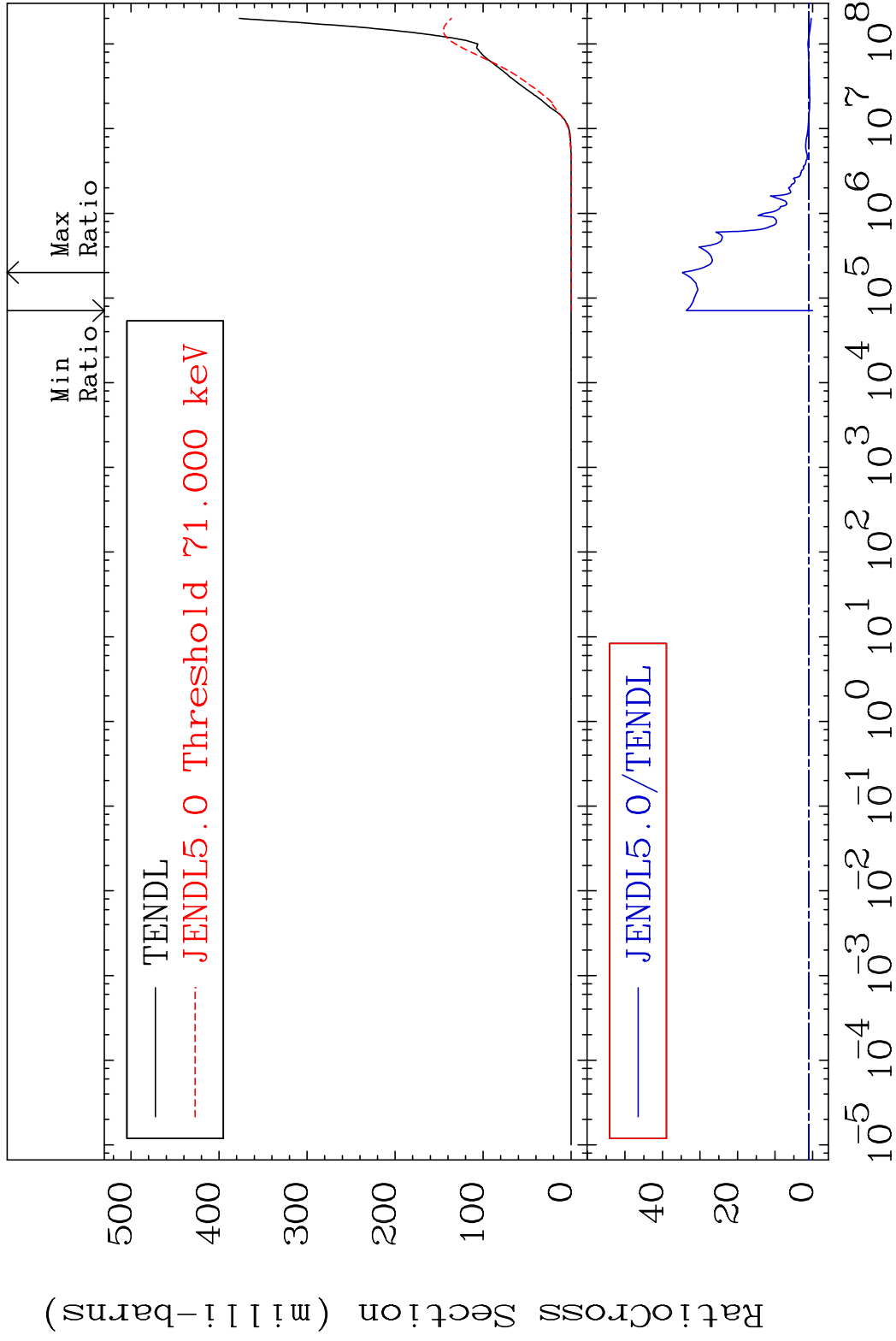
34 Incident Energy (eV) 40-Zr-92

MAT 4031

He-4 Production

40-Zr-92

Cross Section -100.0 To 3371. %

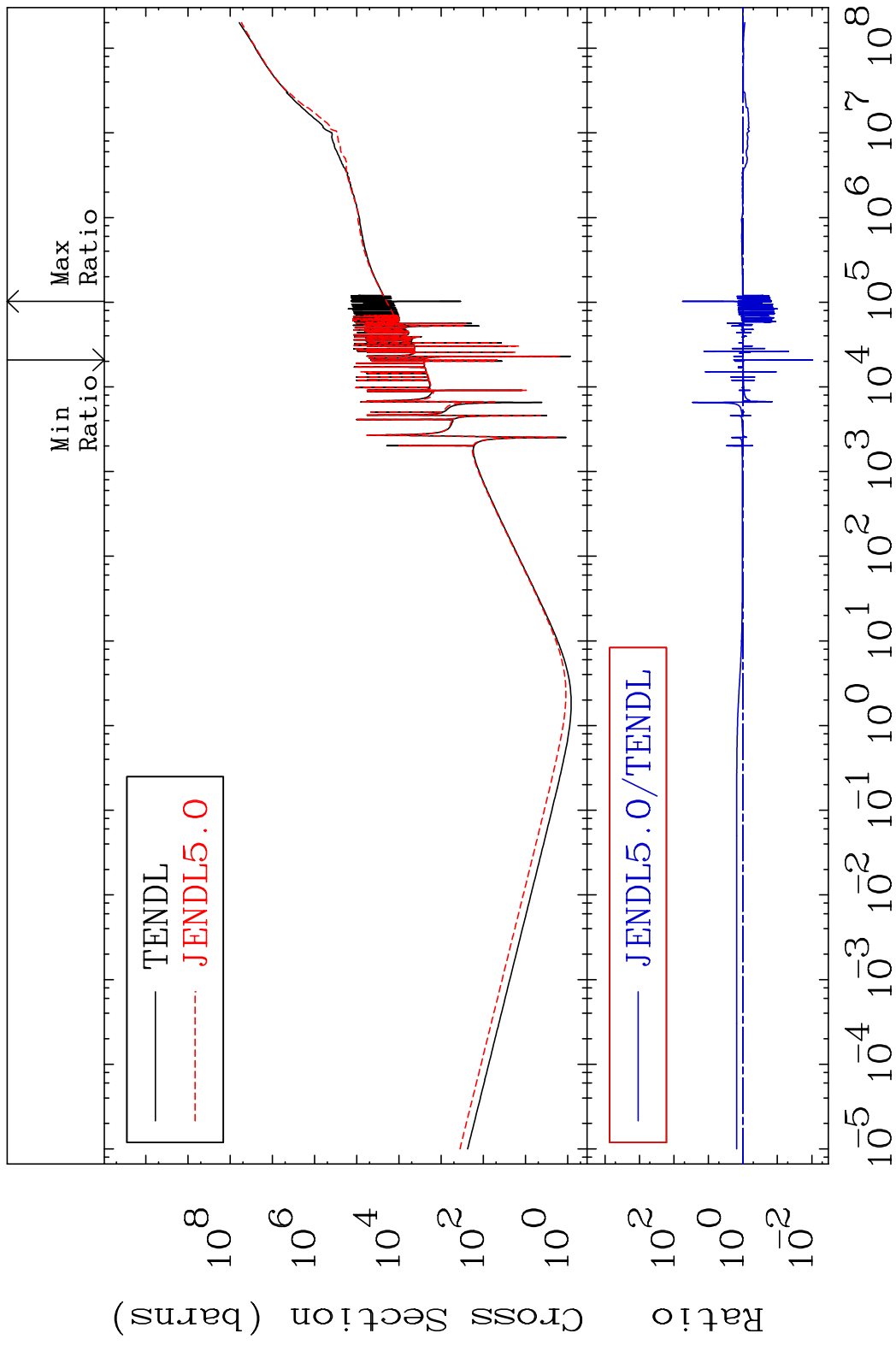


35

Incident Energy (eV)

40-Zr-92

MAT 4031 Kerma total (eV-barns) 40-Zr-92
 Cross Section -99.05 To 5606. %



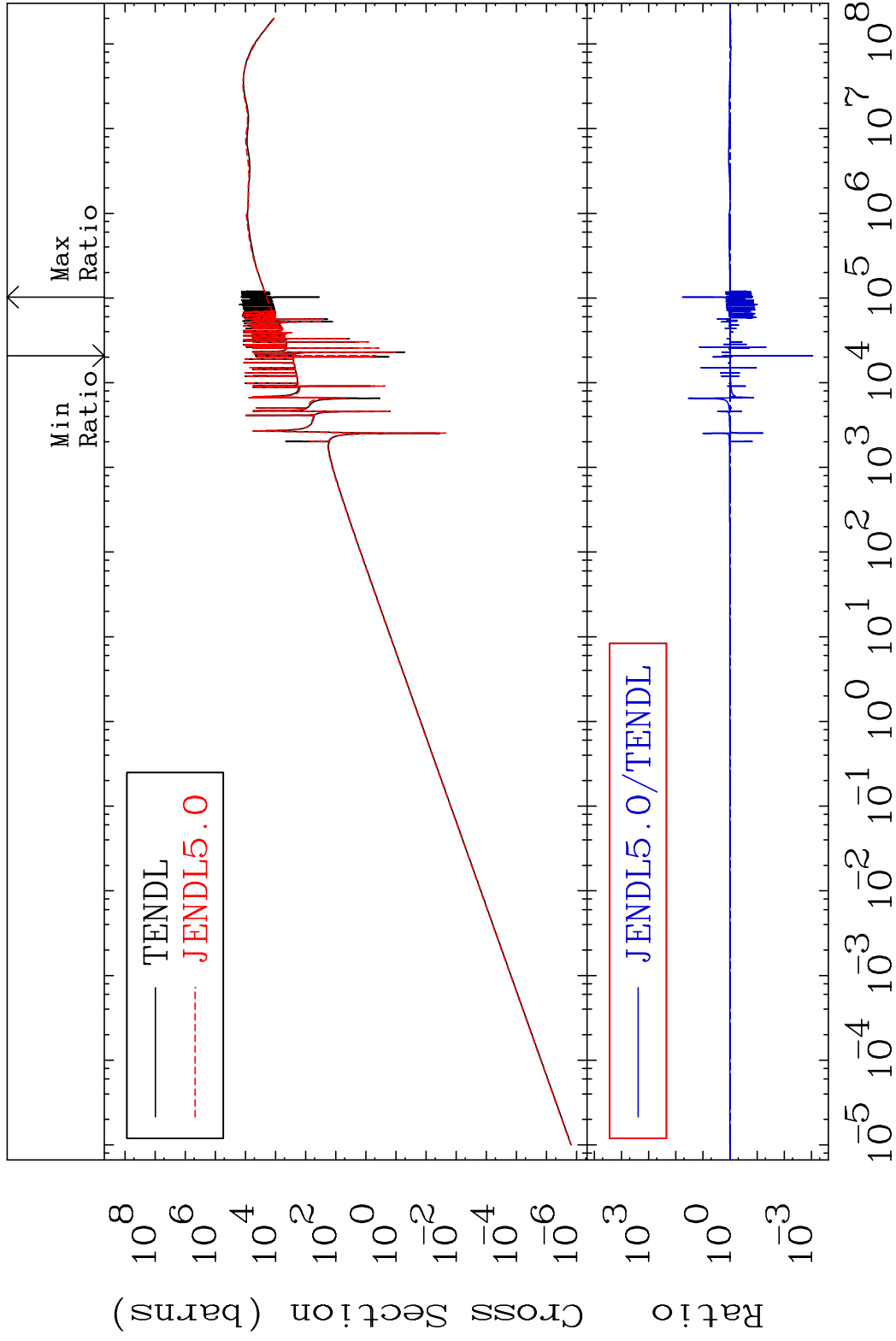
36 Incident Energy (eV) 40-Zr-92

MAT 4031

Kerma elastic

40-Zr-92

Cross Section -99.91 To 5615. %

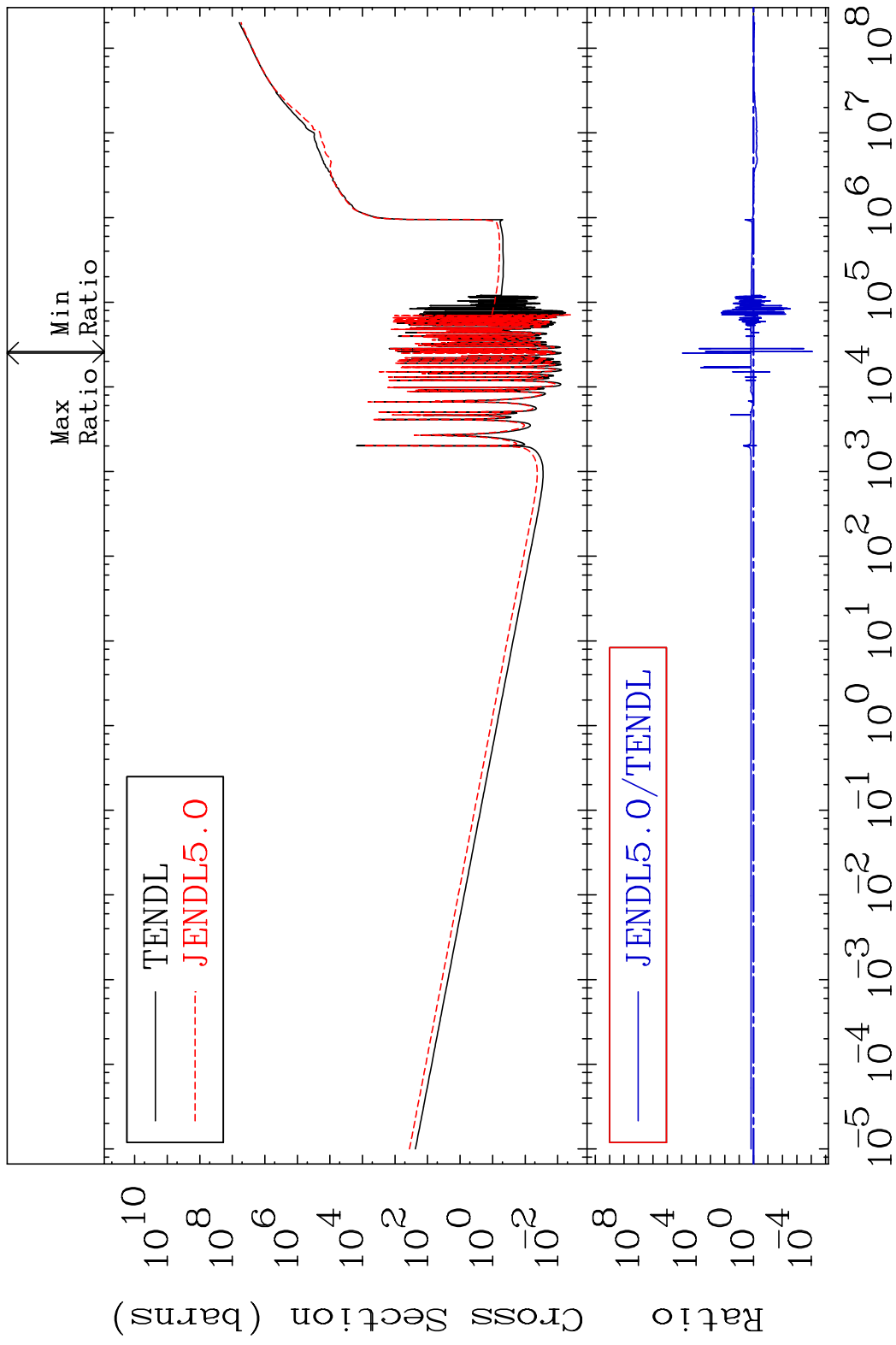


37

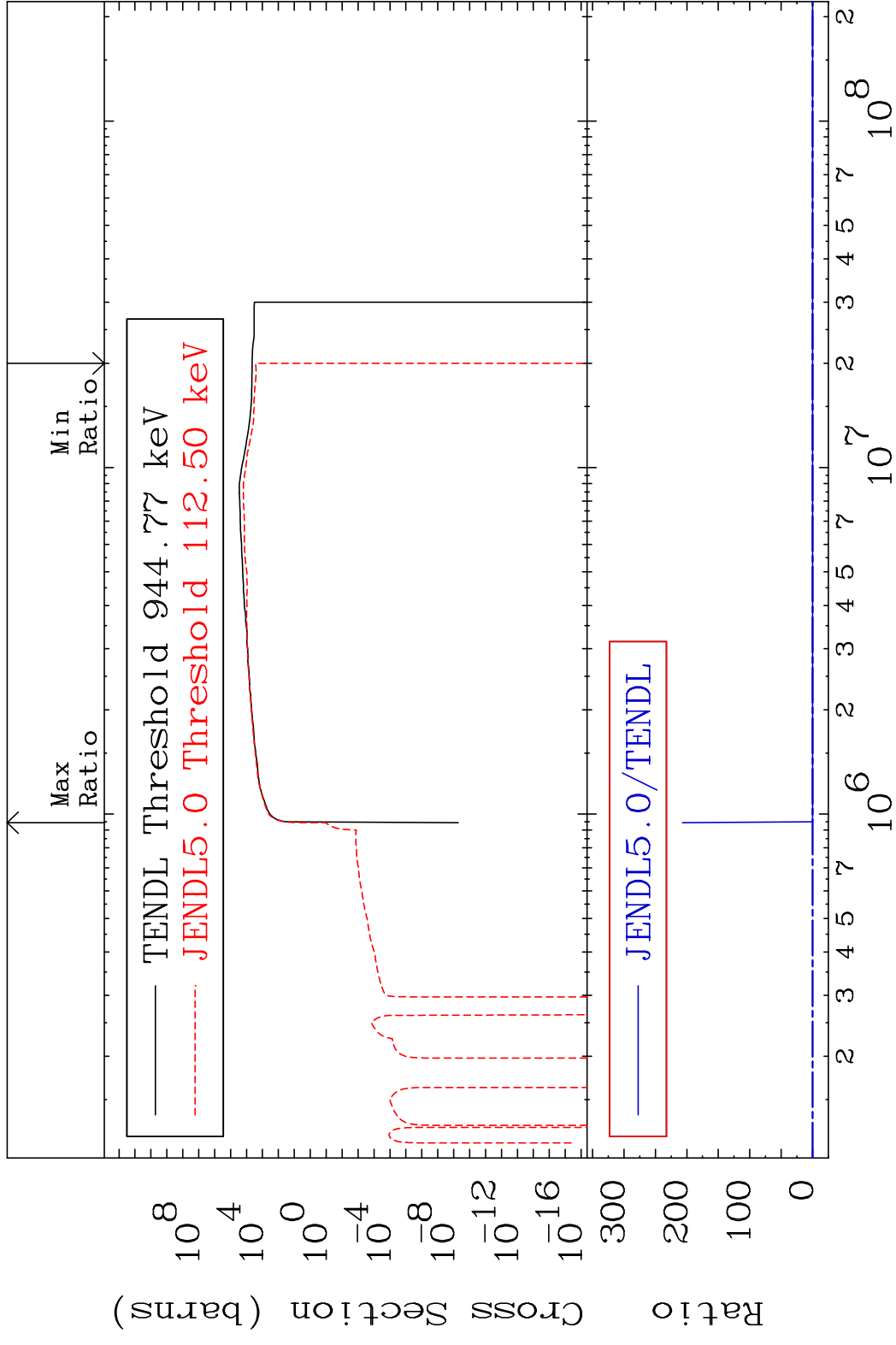
Incident Energy (eV)

40-Zr-92

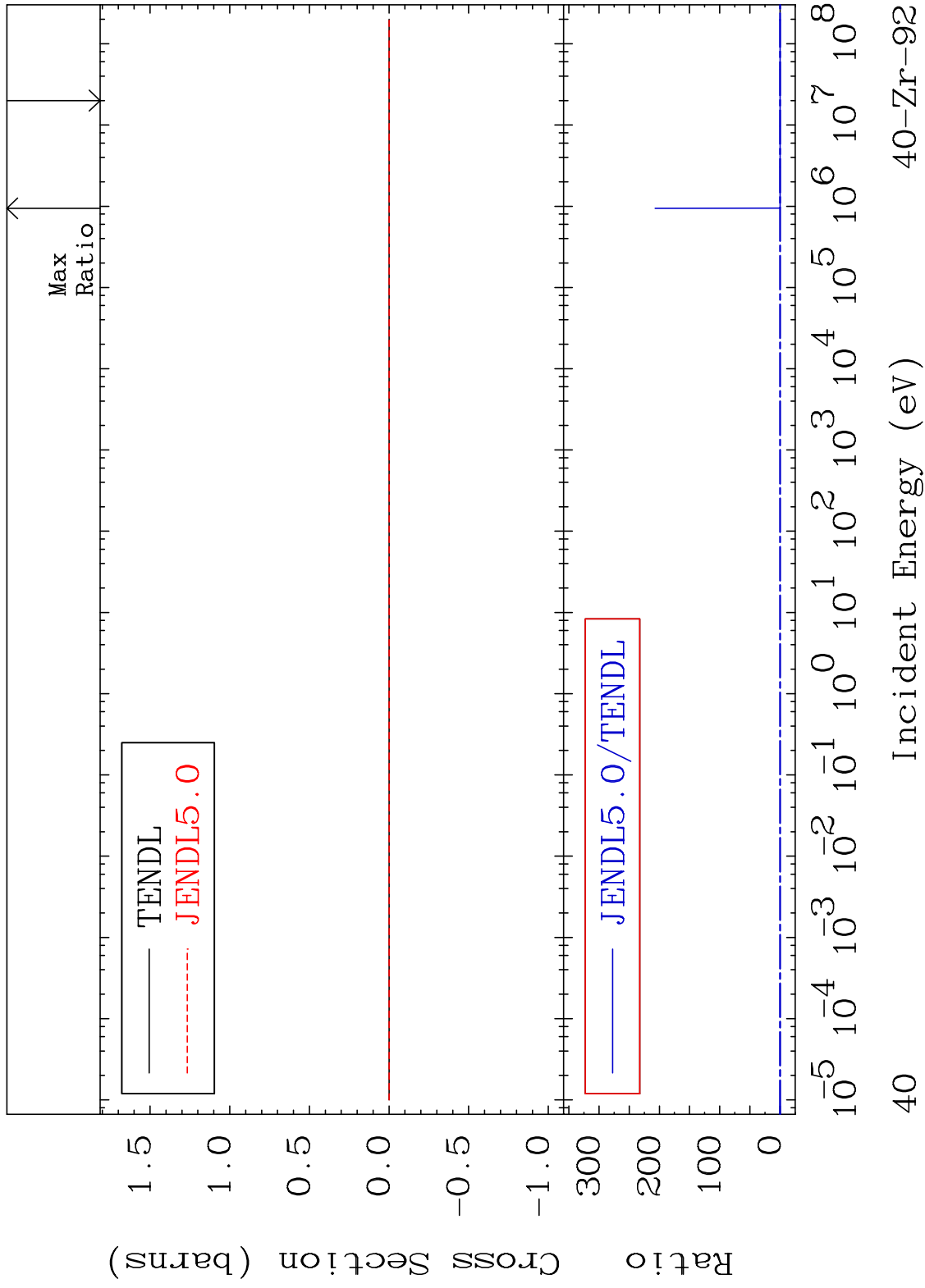
MAT 4031 Kerma non-elastic (all but mt2) 40-Zr-92
 Cross Section -99.99 To 9999. %



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



MAT 4031 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-92
 Cross Section -100.0 To 9999. %

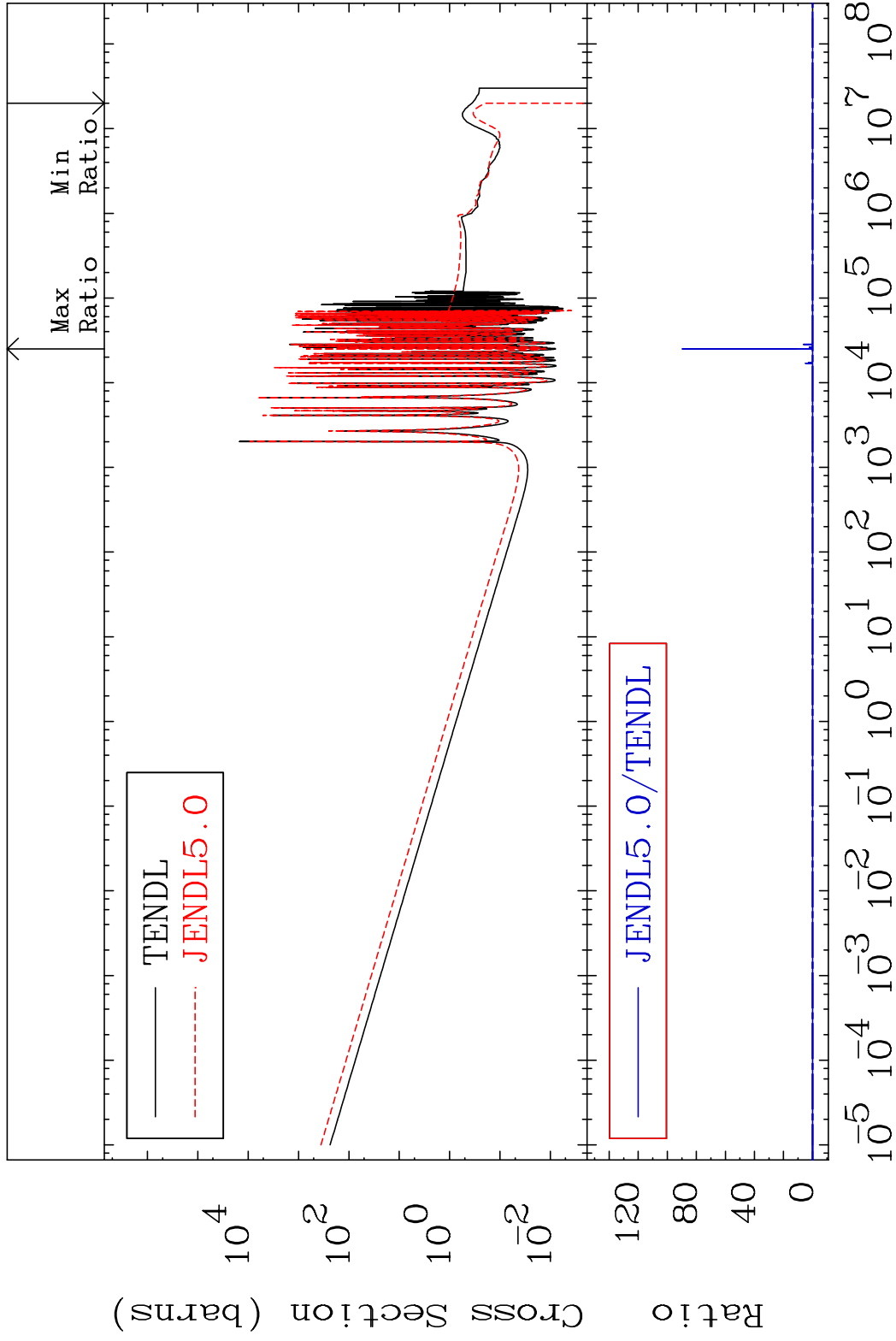


40 Incident Energy (eV) 40-Zr-92

MAT 4031

Kerma capture (mt102) 40-Zr-92

Cross Section -100.0 To 9999. %

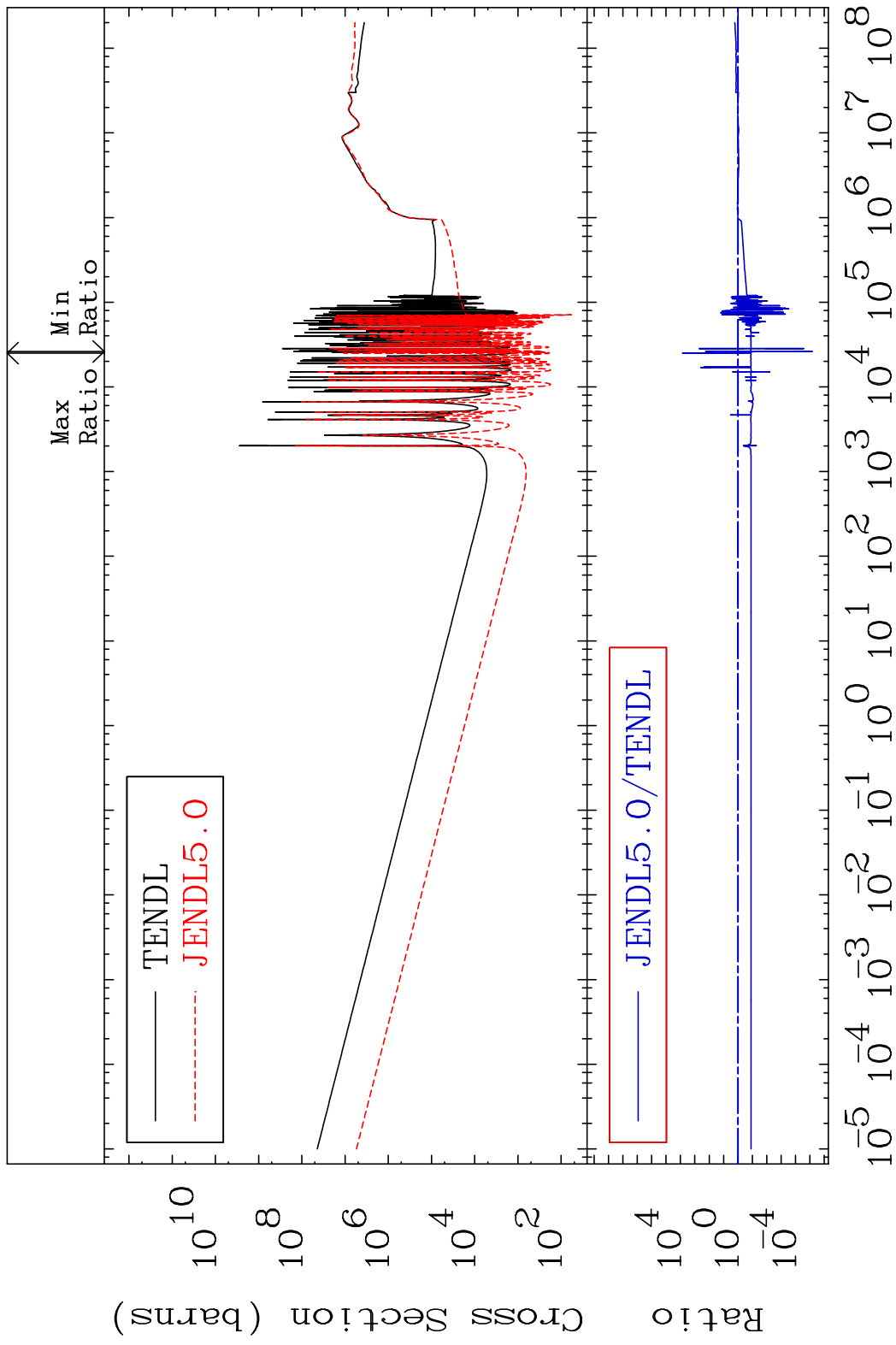


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Incident Energy (eV)

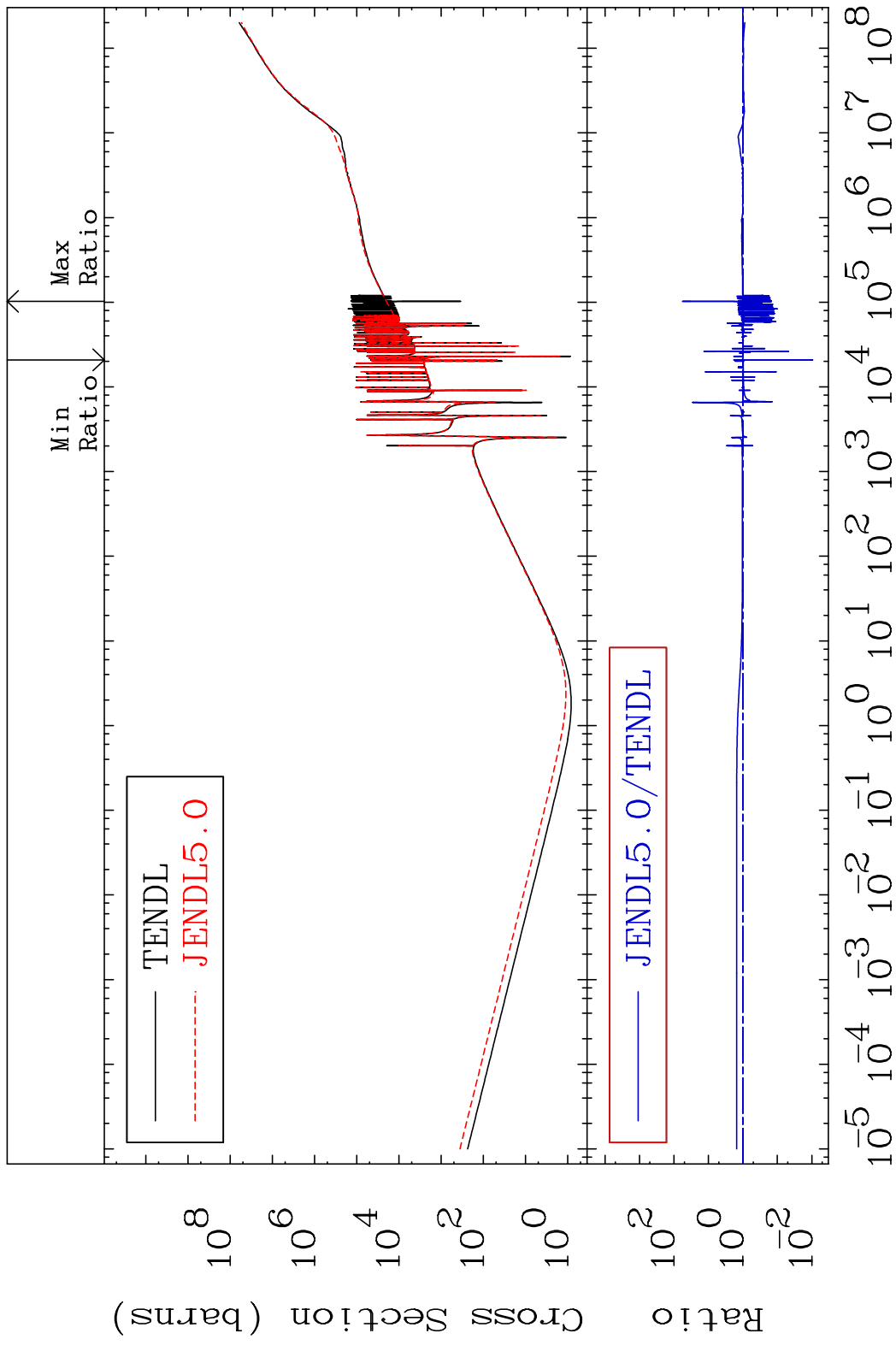
40-Zr-92

MAT 4031 Total photon (eV-barns) 40-Zr-92
Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 40-Zr-92

MAT 4031 Total kinematic kerma (high limit) 40-Zr-92
 Cross Section -99.05 To 5606. %



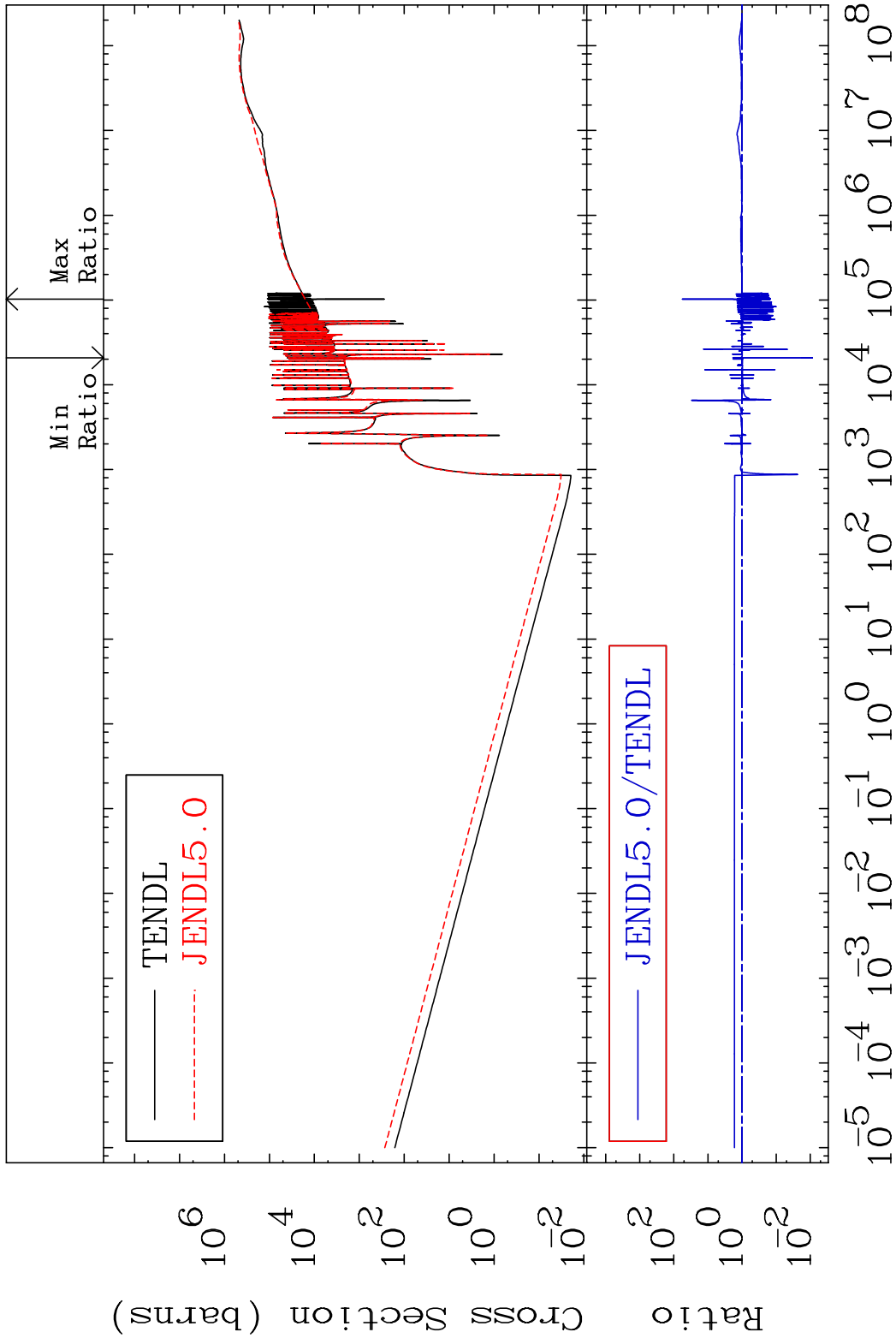
43 Incident Energy (eV) 40-Zr-92

MAT 4031

Dpa total (eV-barns)

40-Zr-92

Cross Section -99.14 To 5606. %



44

Incident Energy (eV)

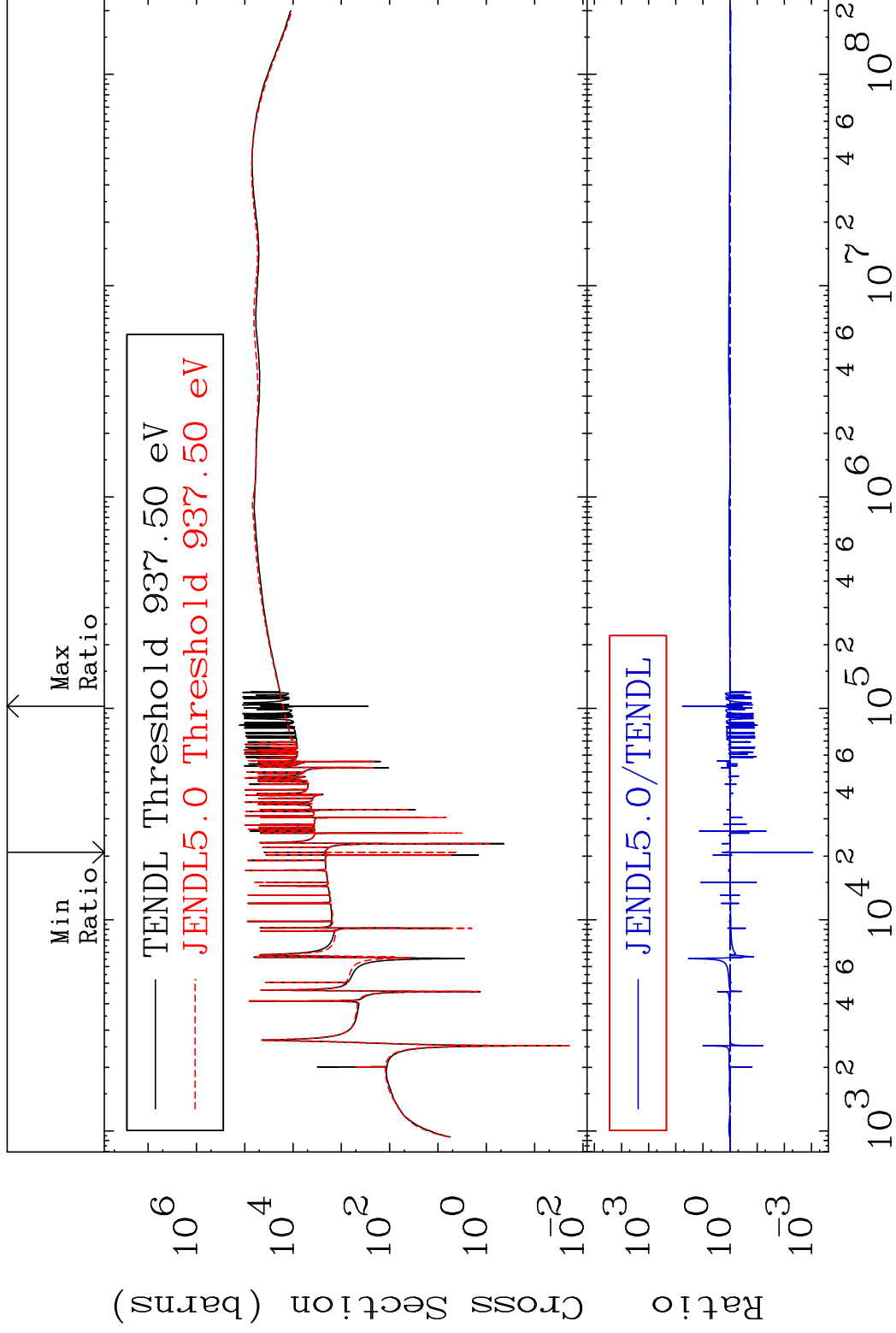
40-Zr-92

MAT 4031

Dpa elastic (mt2)

40-Zr-92

Cross Section -99.91 To 5614. %

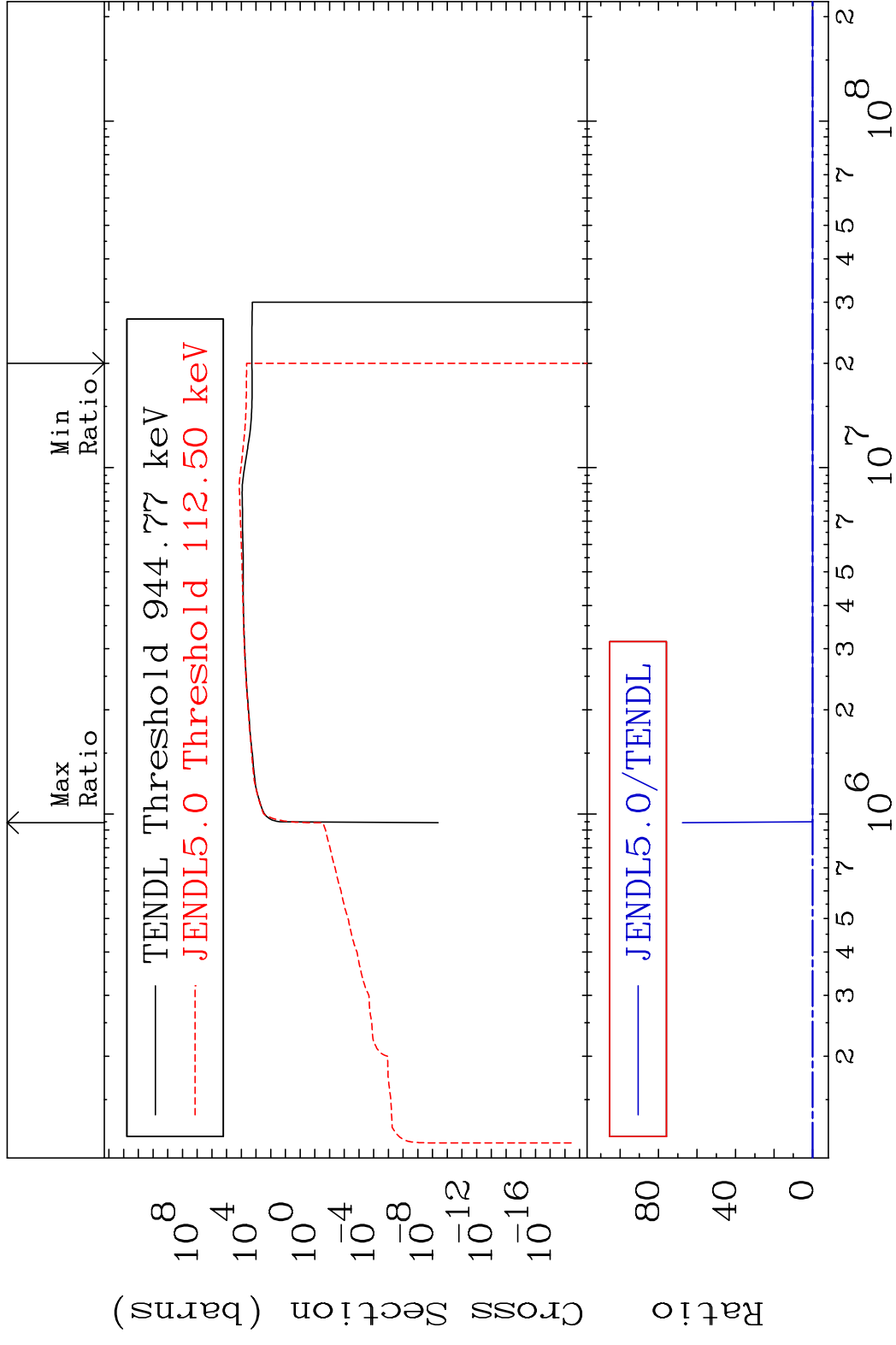


45

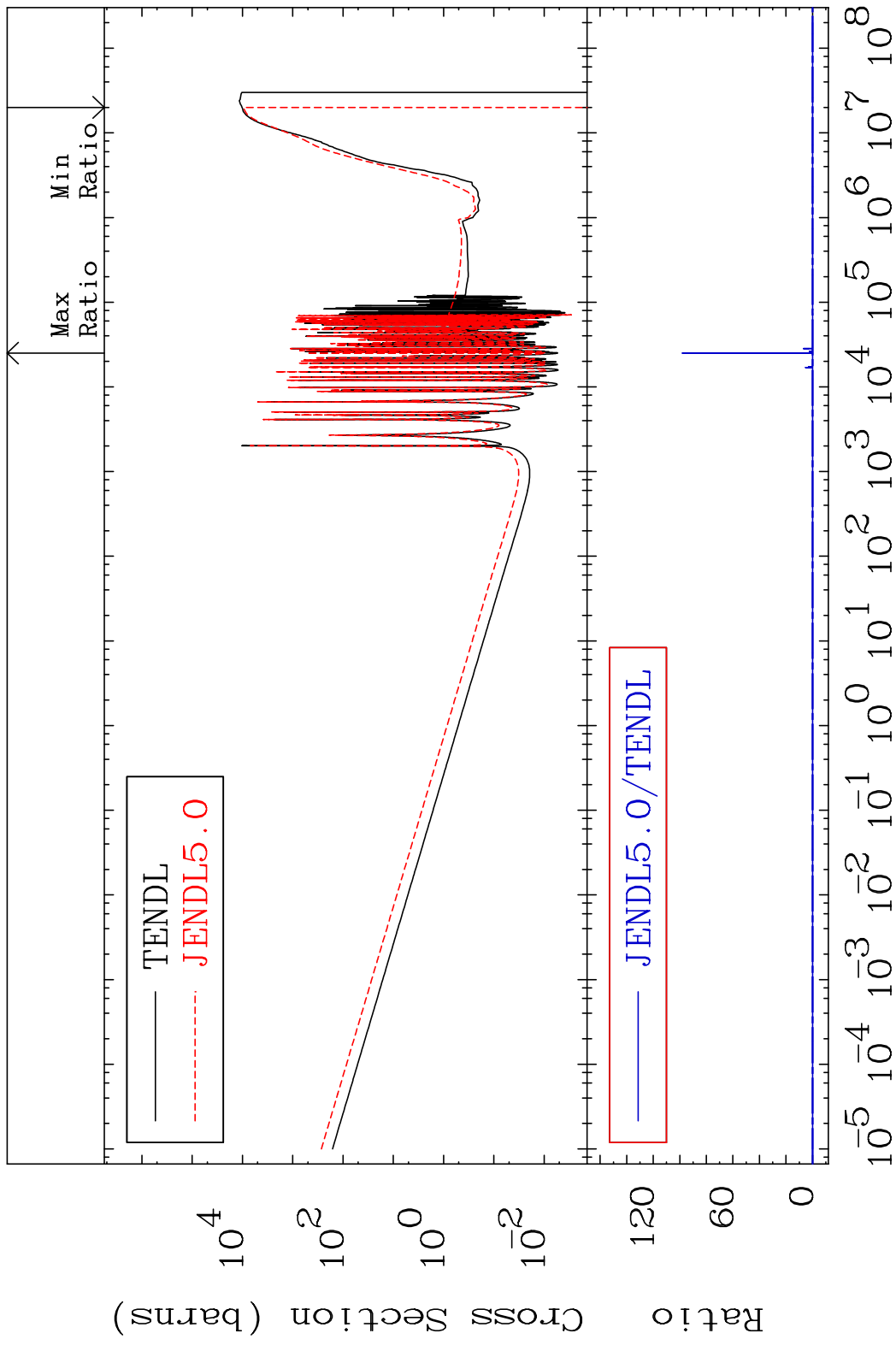
Incident Energy (eV)

40-Zr-92

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

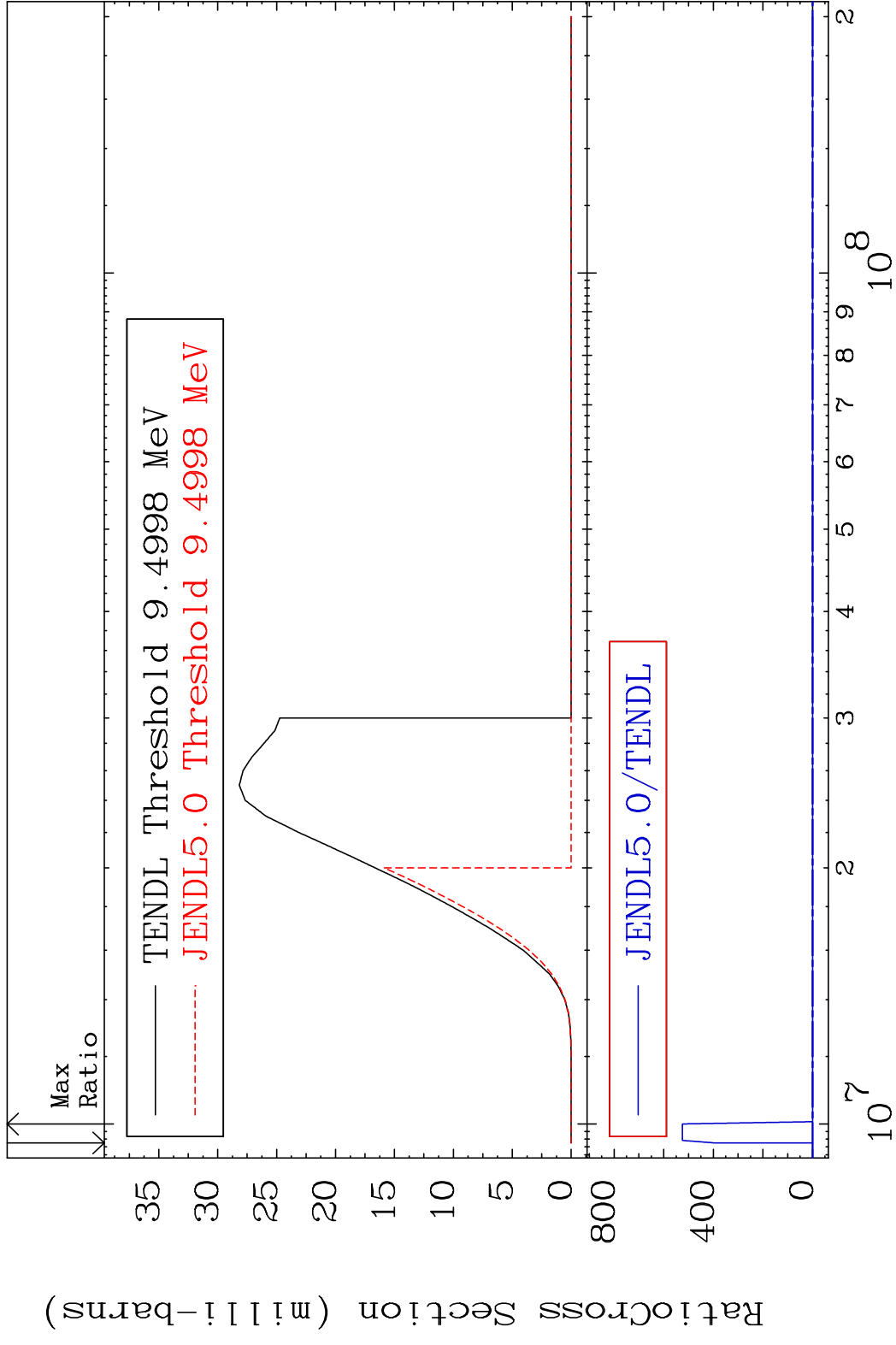


MAT 4031 Dpa disappearance (mt102 -120) 40-Zr-92
 Cross Section -100.0 To 9999. %



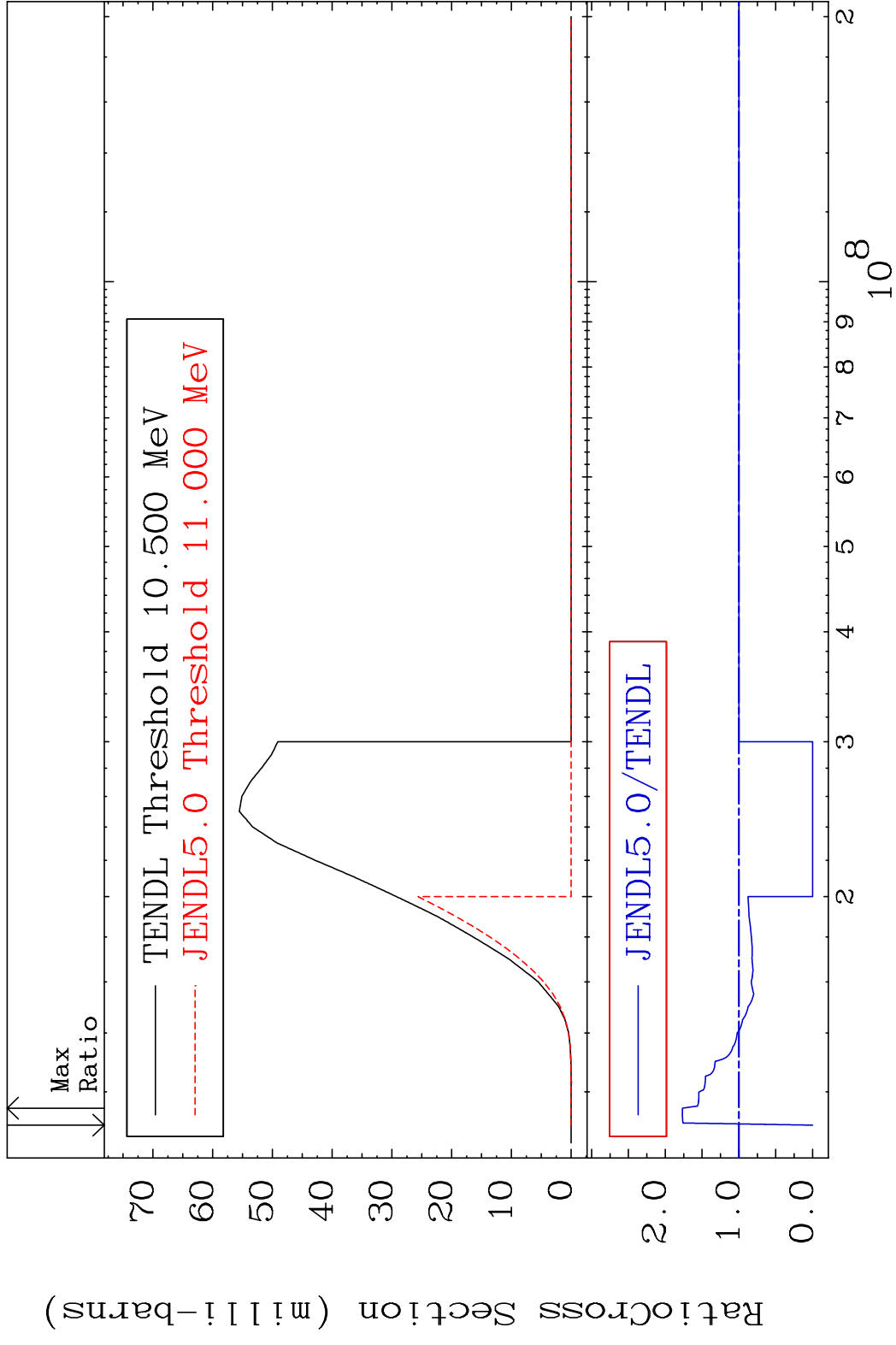
47 Incident Energy (eV) 40-Zr-92

MAT 4031 (n, n') p:39-Y -91g 40-Zr-92
 Radionuclide Production Cross Section 100.00 % 9999. %

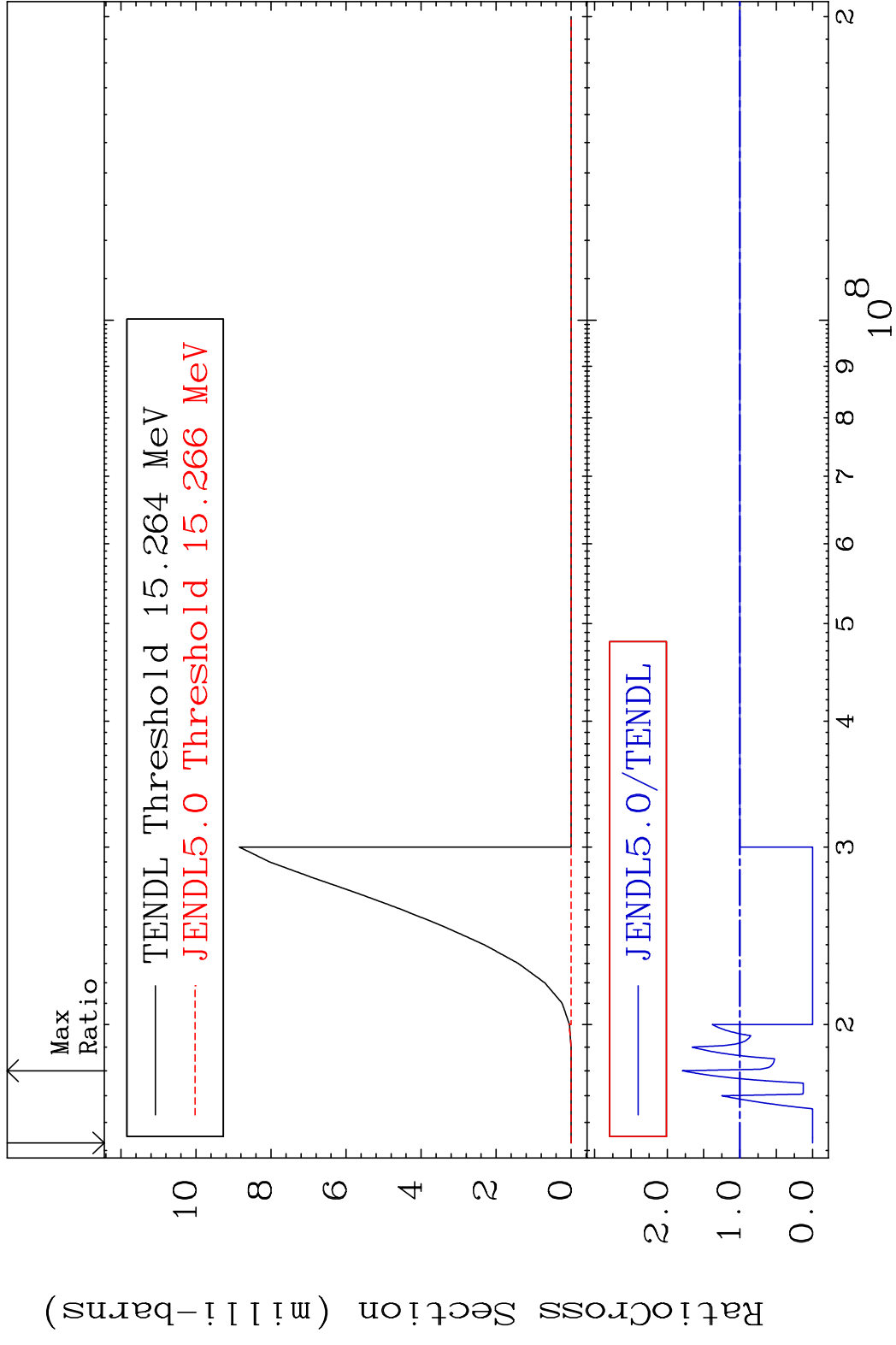


48 Incident Energy (eV) 40-Zr-92

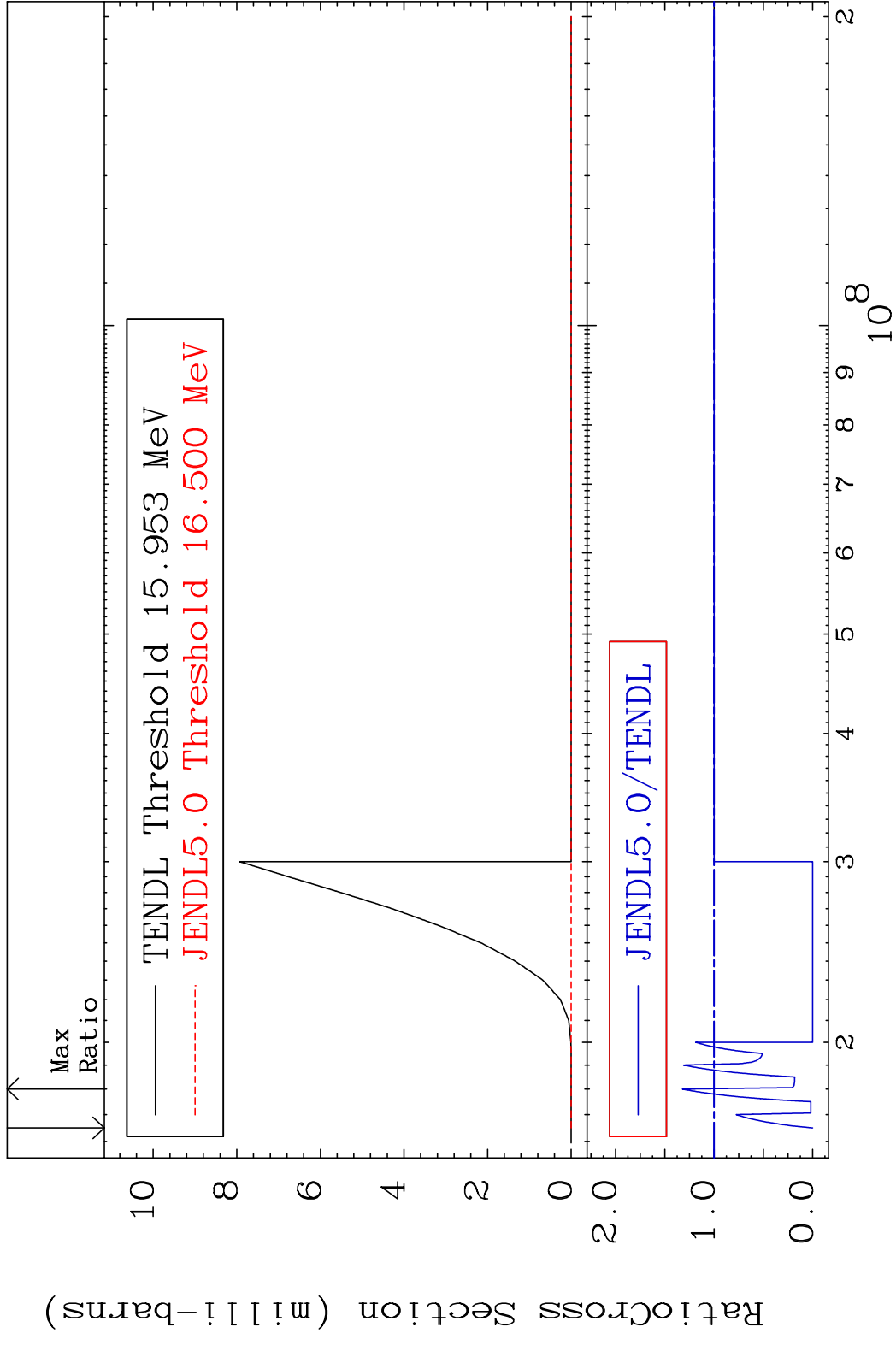
MAT 4031 (n, n') p:39-Y -91m1 40-Zr-92
 Radionuclide Production Cross Section 180.0 mb 76.76 %



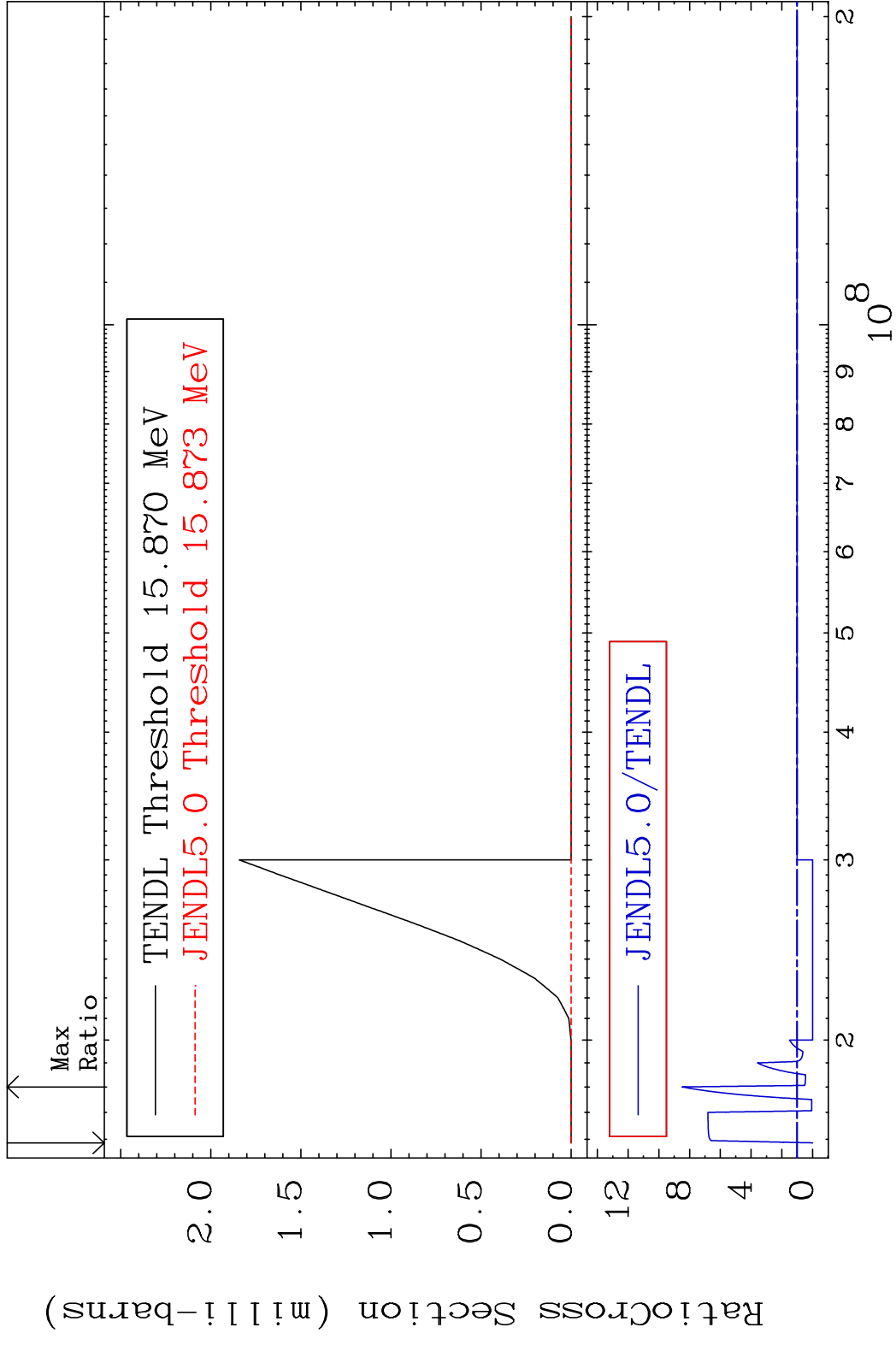
MAT 4031 (n, n') d:39-Y -90g 40-Zr-92
 Radionuclide Production Cross Section 180.01 dth 79.27 %



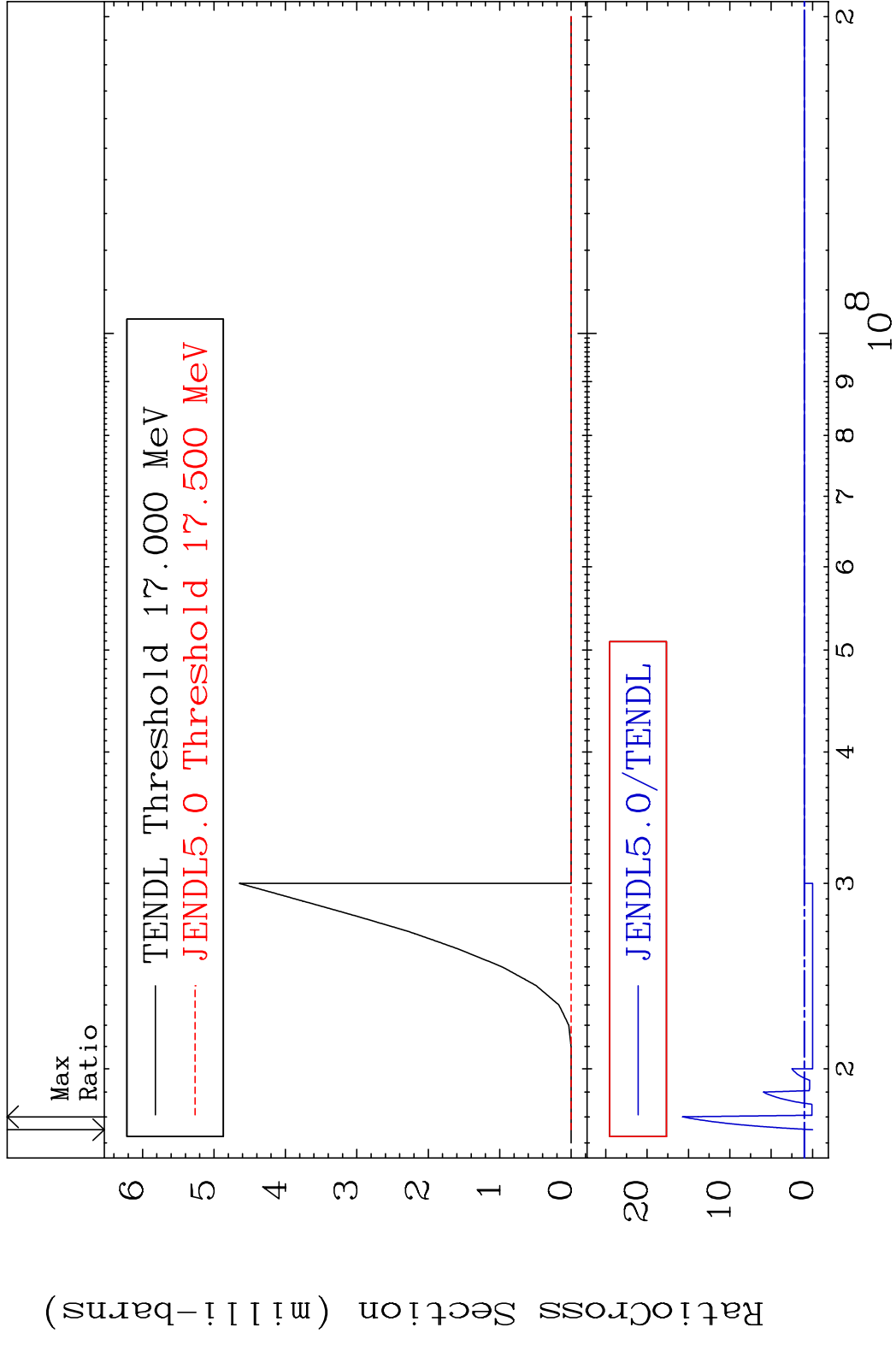
MAT 4031 (n, n') d:39-Y -90m2 40-Zr-92
 Radionuclide Production Cross Section 180.01 dth 32.20 %



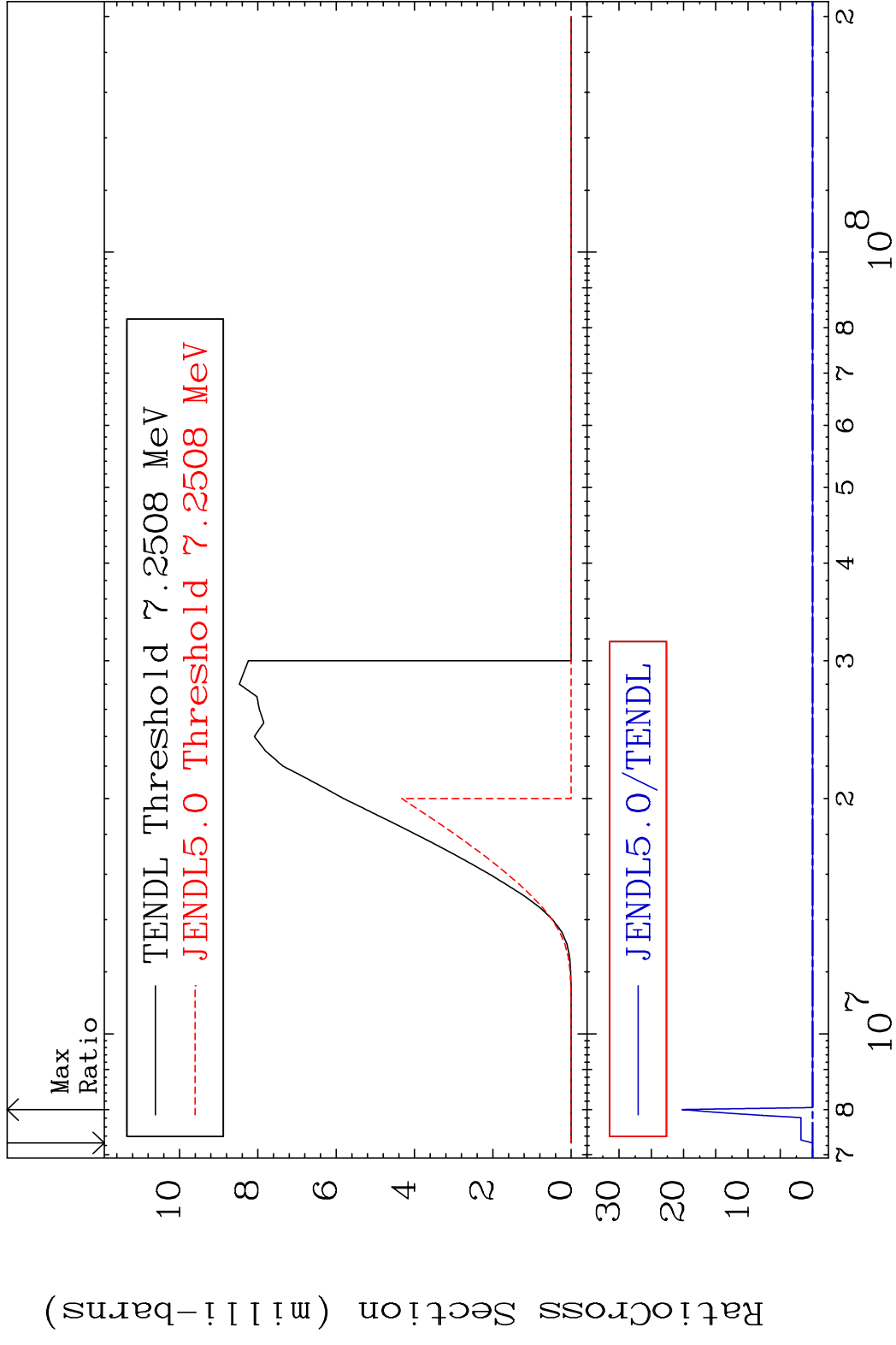
MAT 4031 (n, n') t:39-Y -89g 40-Zr-92
 Radionuclide Production Cross Section 180.0 dth 747.1 %



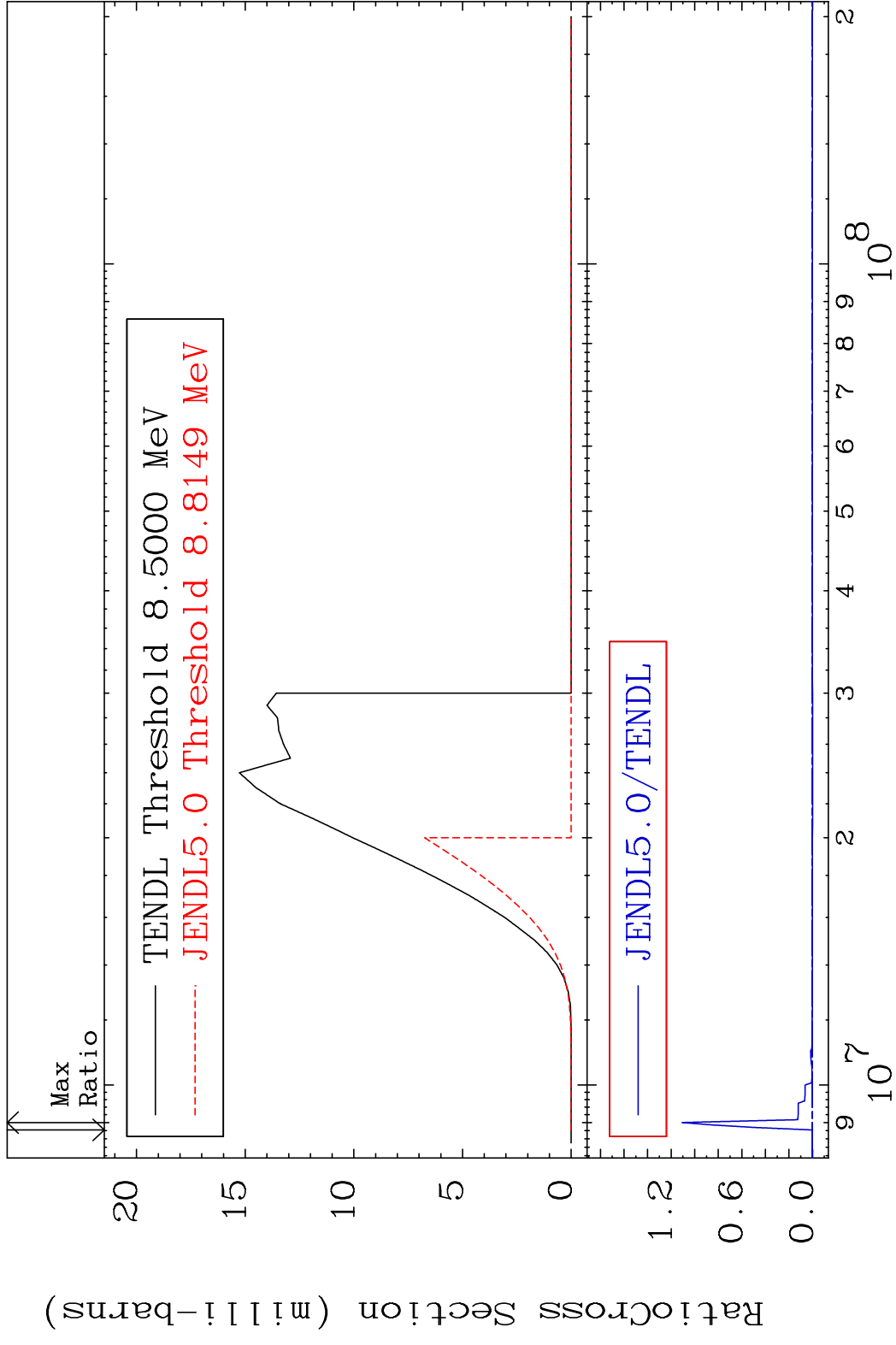
MAT 4031 (n, n') t:39-Y -89m1 40-Zr-92
 Radionuclide Production Cross Section 180.0 dth 1474. %



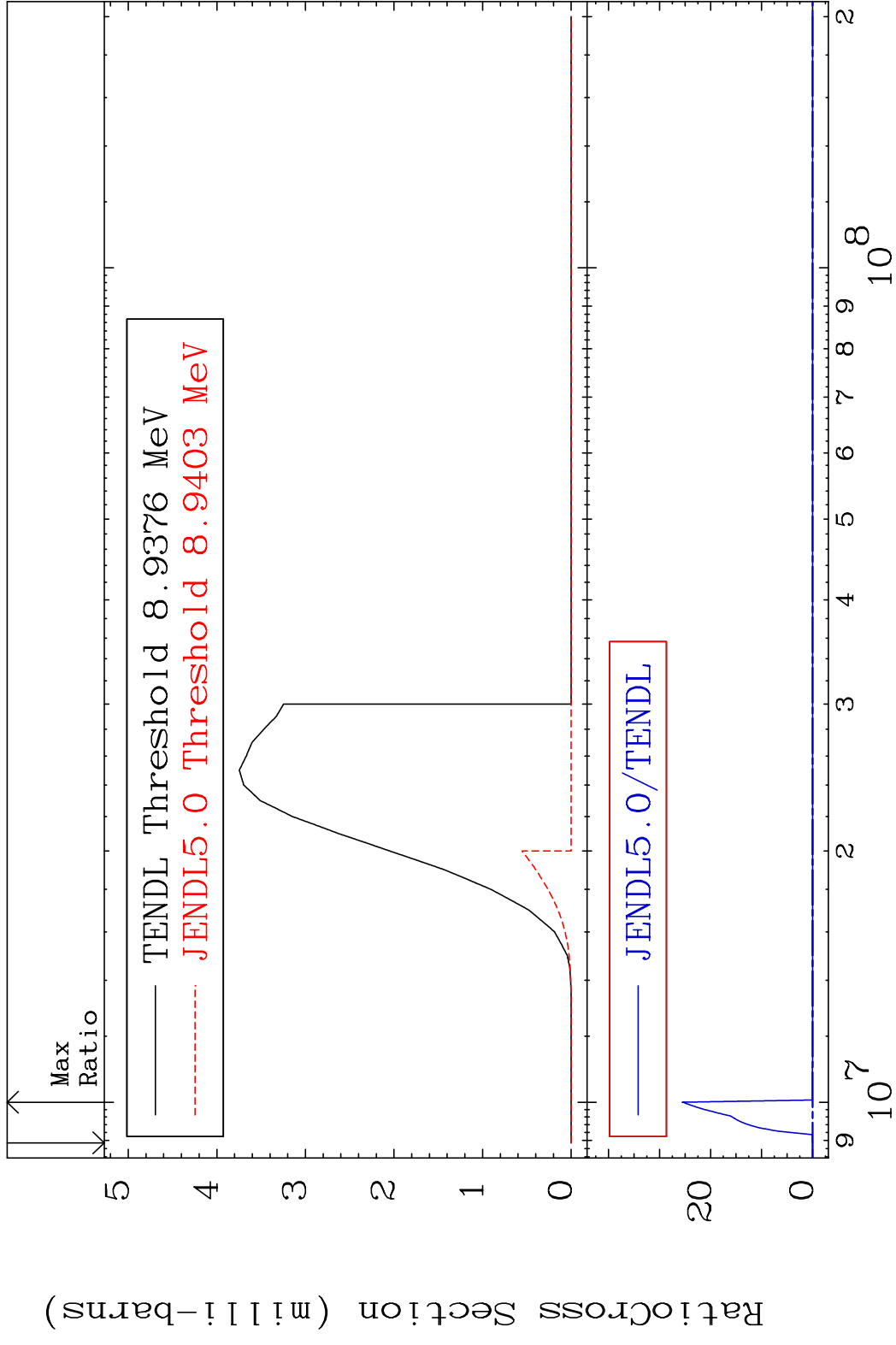
MAT 4031 (n,d):39-Y -91g 40-Zr-92
 Radionuclide Production Cross Section 18000.0 dth 9999. %



MAT 4031 (n,d):39-Y -91m1 40-Zr-92
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4031 (n, t):39-Y -90g 40-Zr-92
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4031 (n, t):39-Y -90m2 40-Zr-92
 Radionuclide Production Cross Section 180.0 dth 352.5 %

