

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

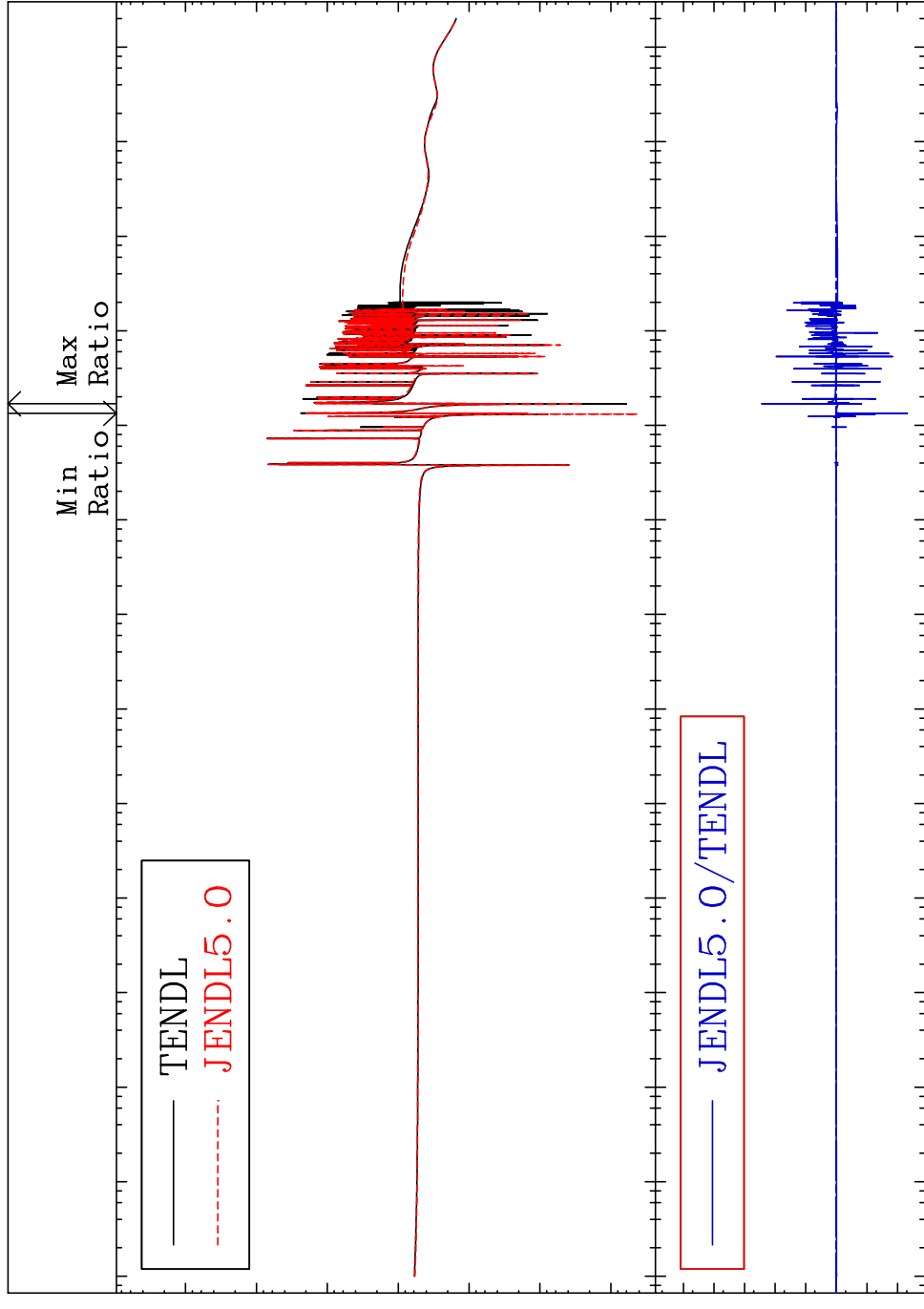
MAT 4025

Total

40-Zr-90

Cross Section

-99.52 To 9999. %



Cross Section (barns)

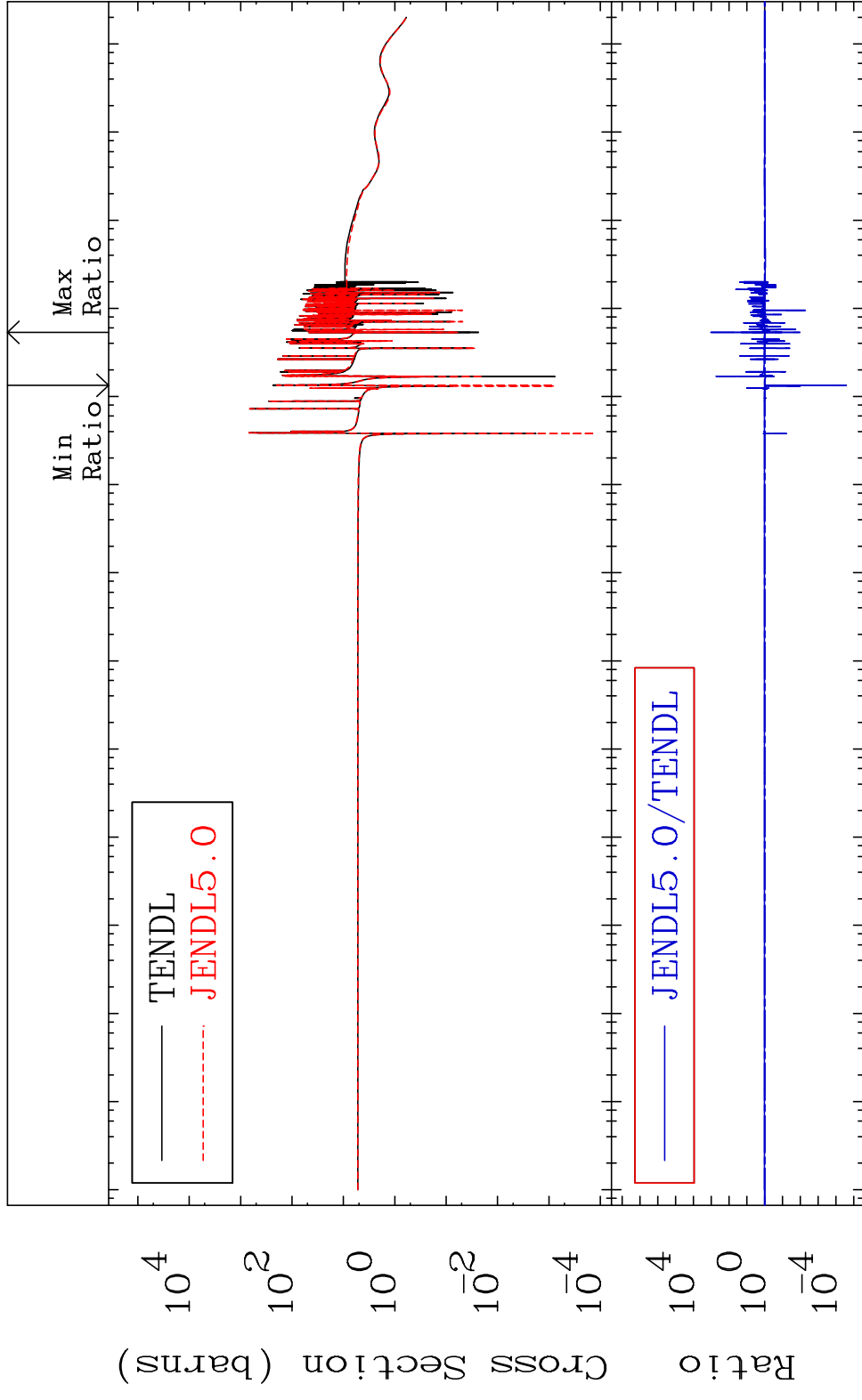
Ratio

Incident Energy (eV)

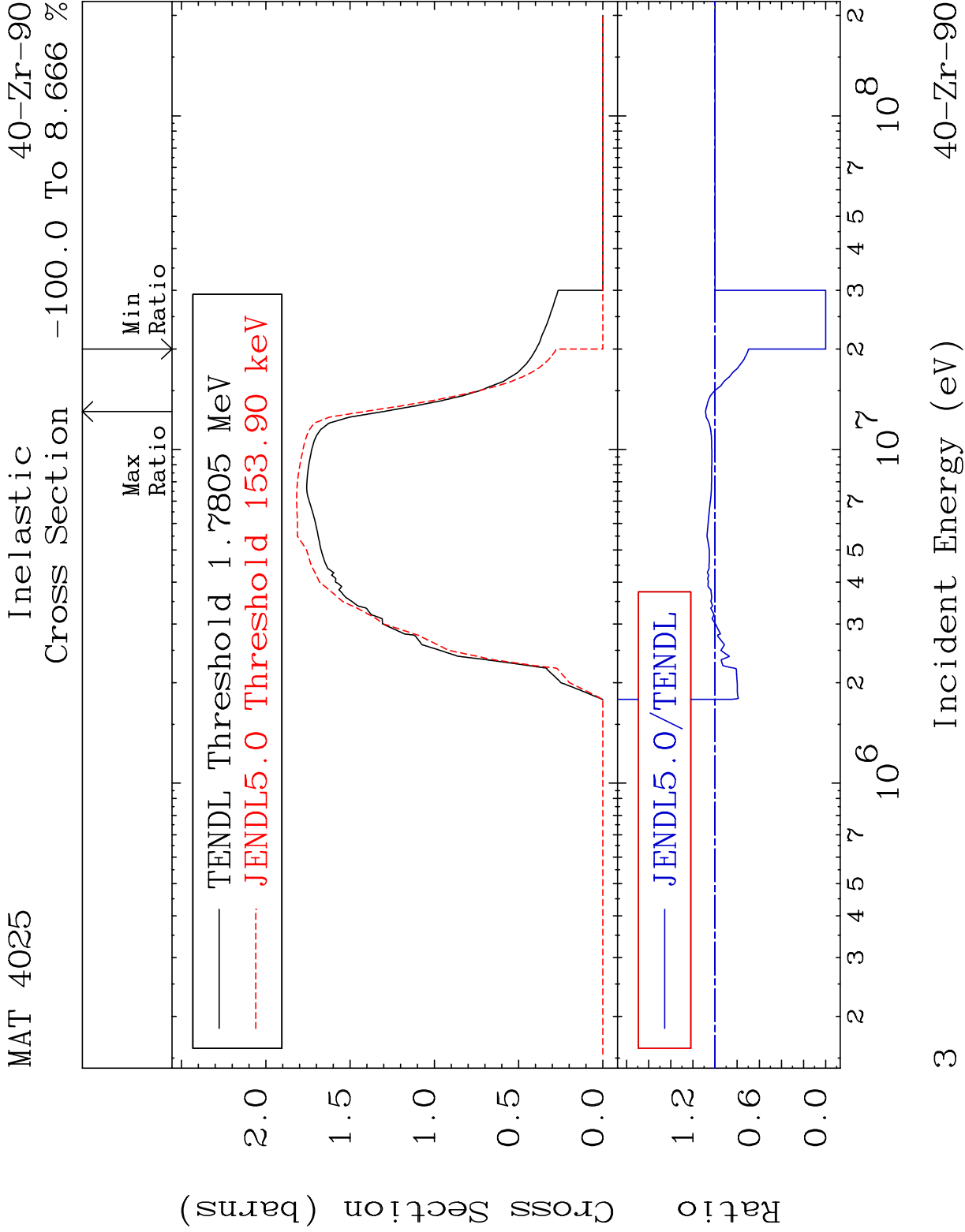
1

40-Zr-90

MAT 4025 Elastic Cross Section -100.0 To 9999. % 40-Zr-90



2 Incident Energy (eV) 40-Zr-90

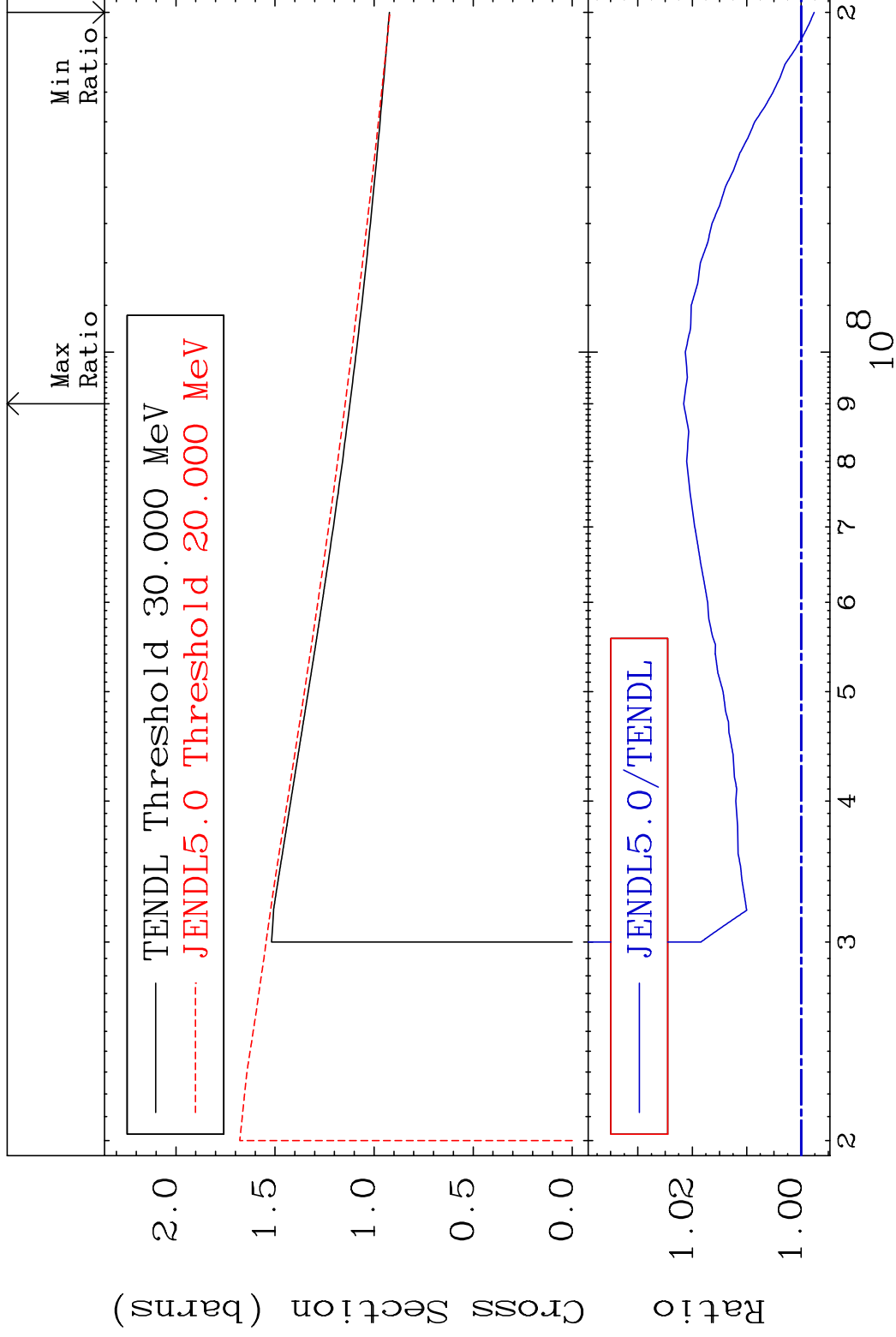


MAT 4025

(n, remainder)

40-Zr-90

Cross Section -0.238 To 2.159 %

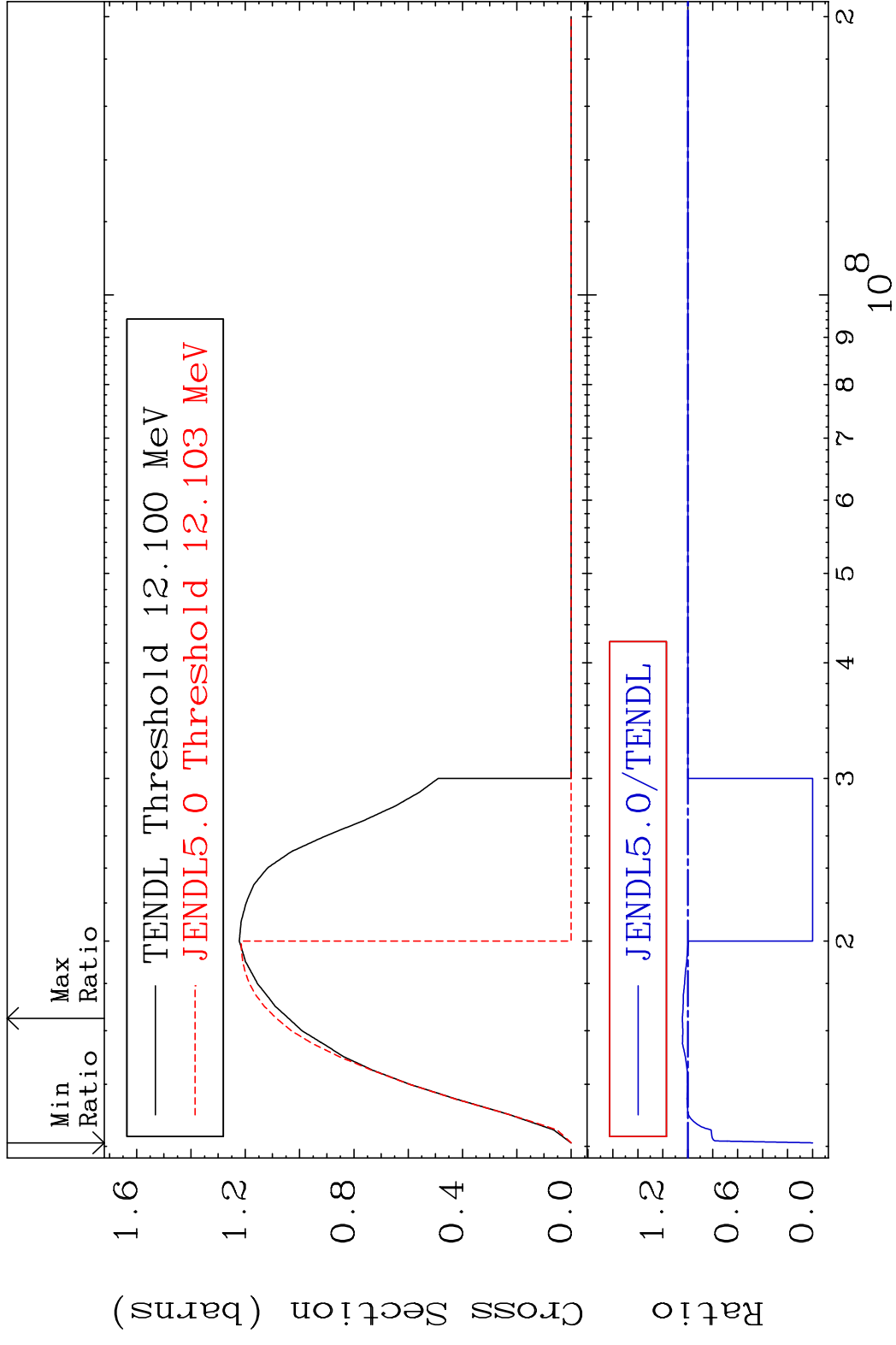


4

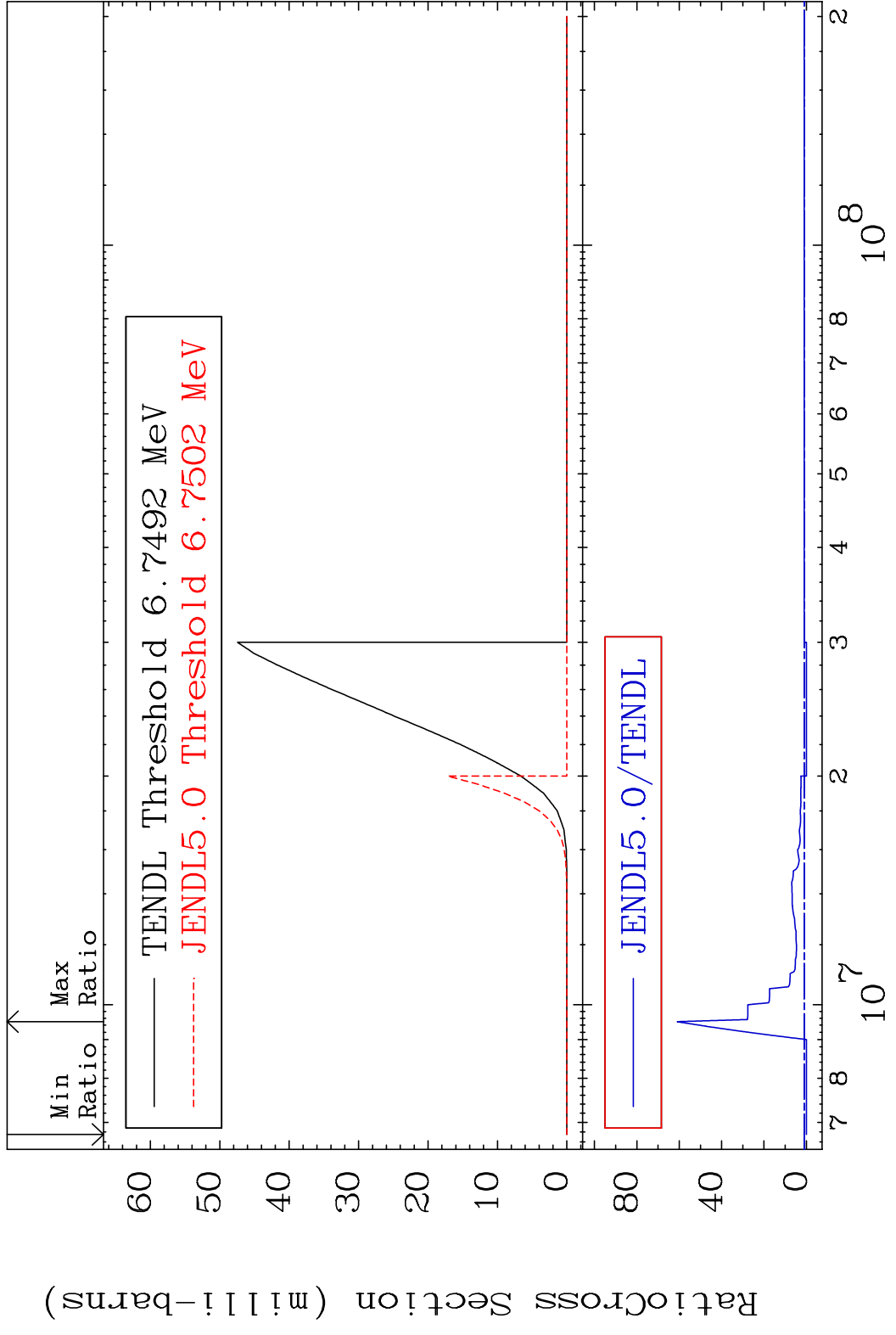
Incident Energy (eV)

40-Zr-90

MAT 4025 (n,2n) 40-Zr-90  
 Cross Section -100.0 To 4.338 %

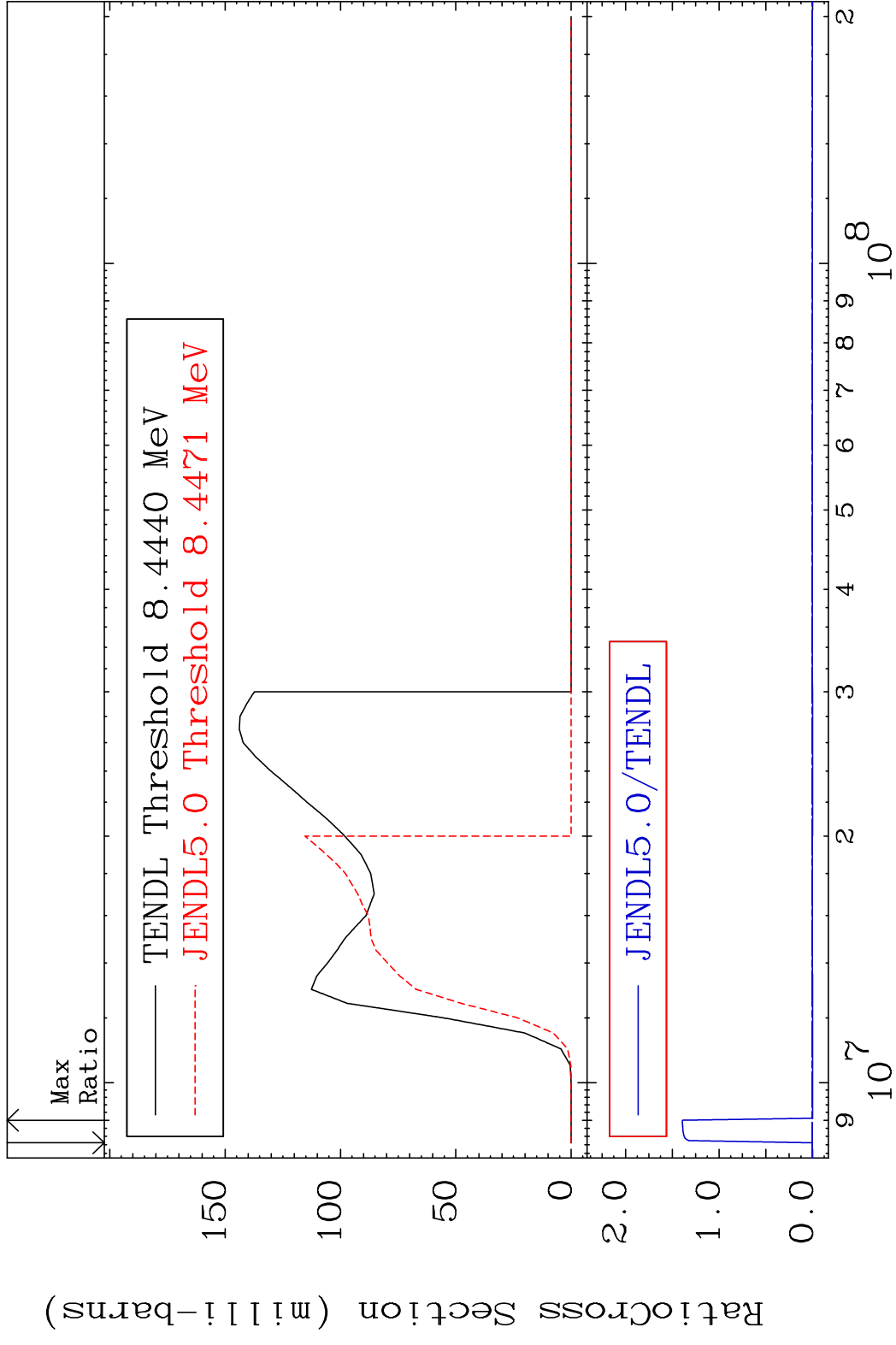


MAT 4025 (n, n')  $\alpha$  40-Zr-90  
 Cross Section -100.0 To 5997. %



6 7 8 10<sup>7</sup> 10<sup>8</sup> 2 40-Zr-90

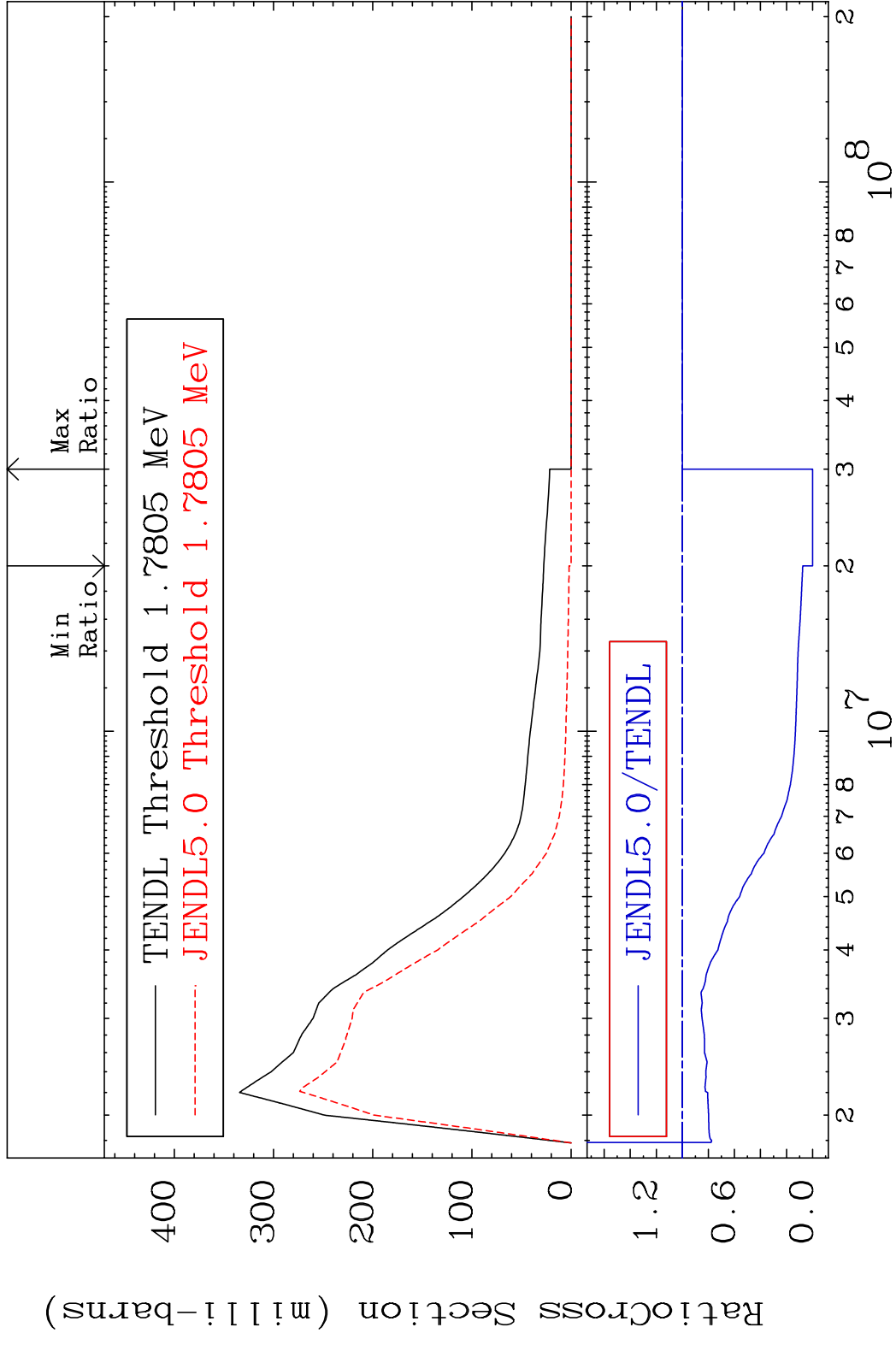
MAT 4025 (n, n') p 40-Zr-90  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 40-Zr-90

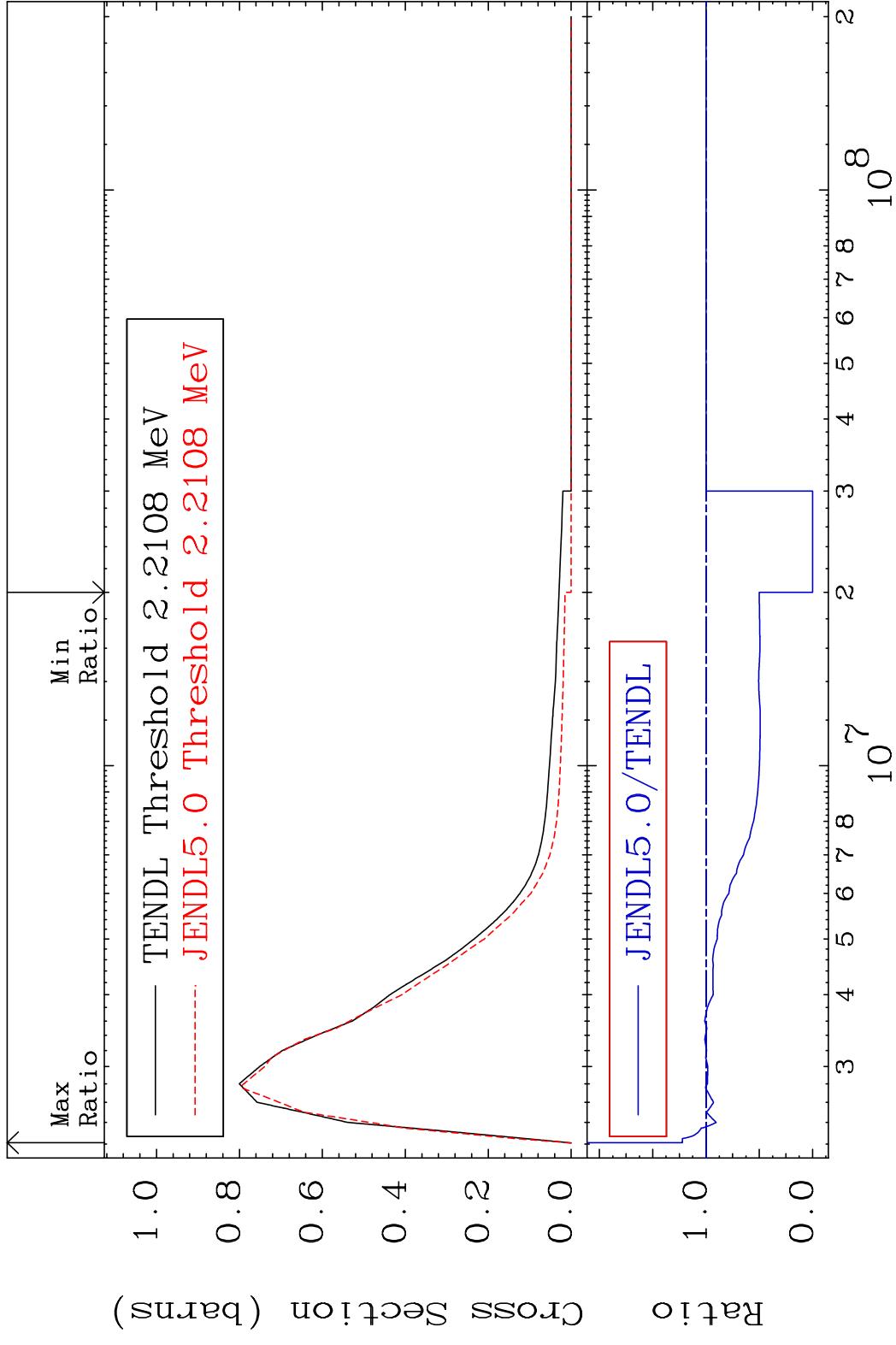


MAT 4025 MT= 51 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 0.000 %



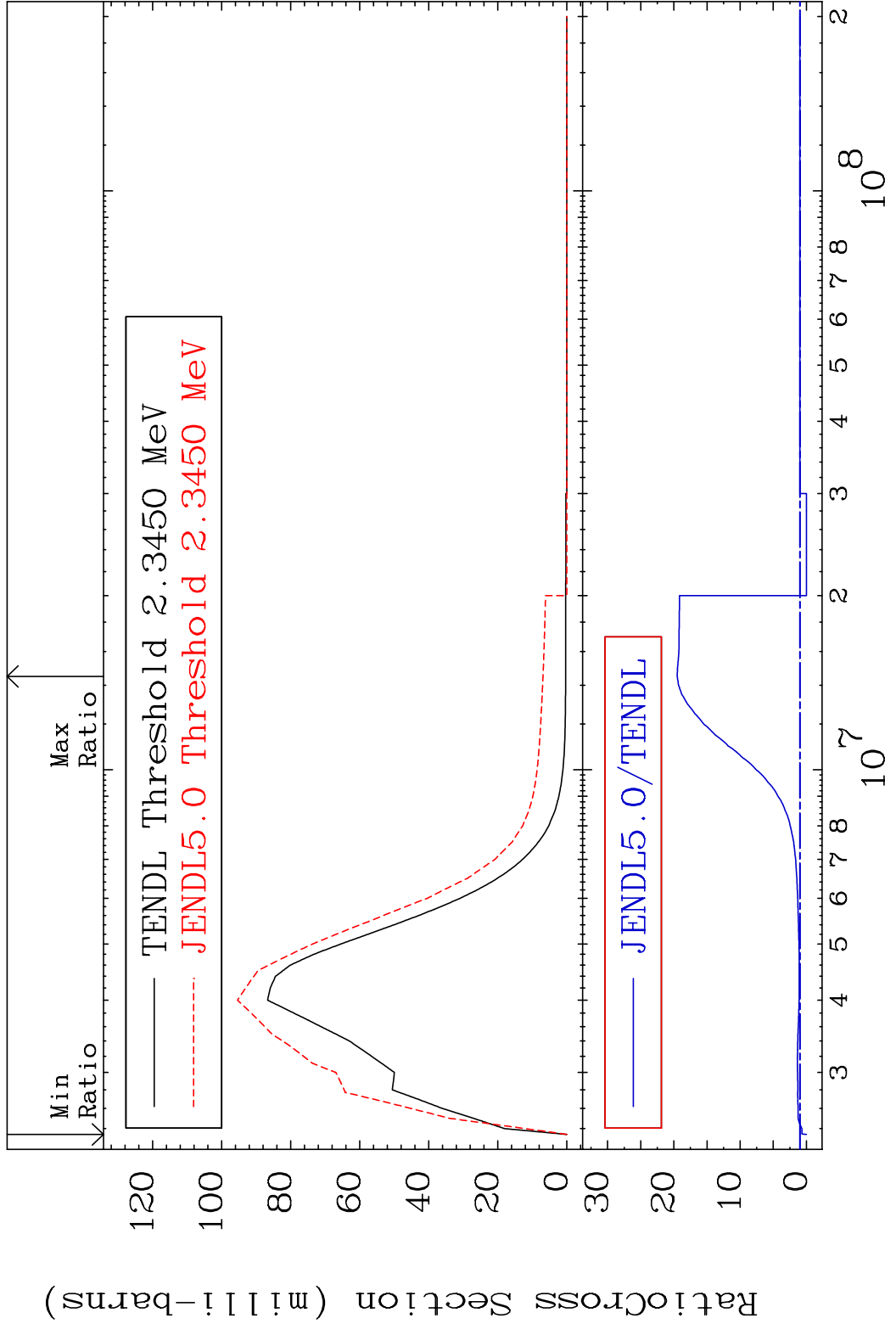
8 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 52 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 22.20 %



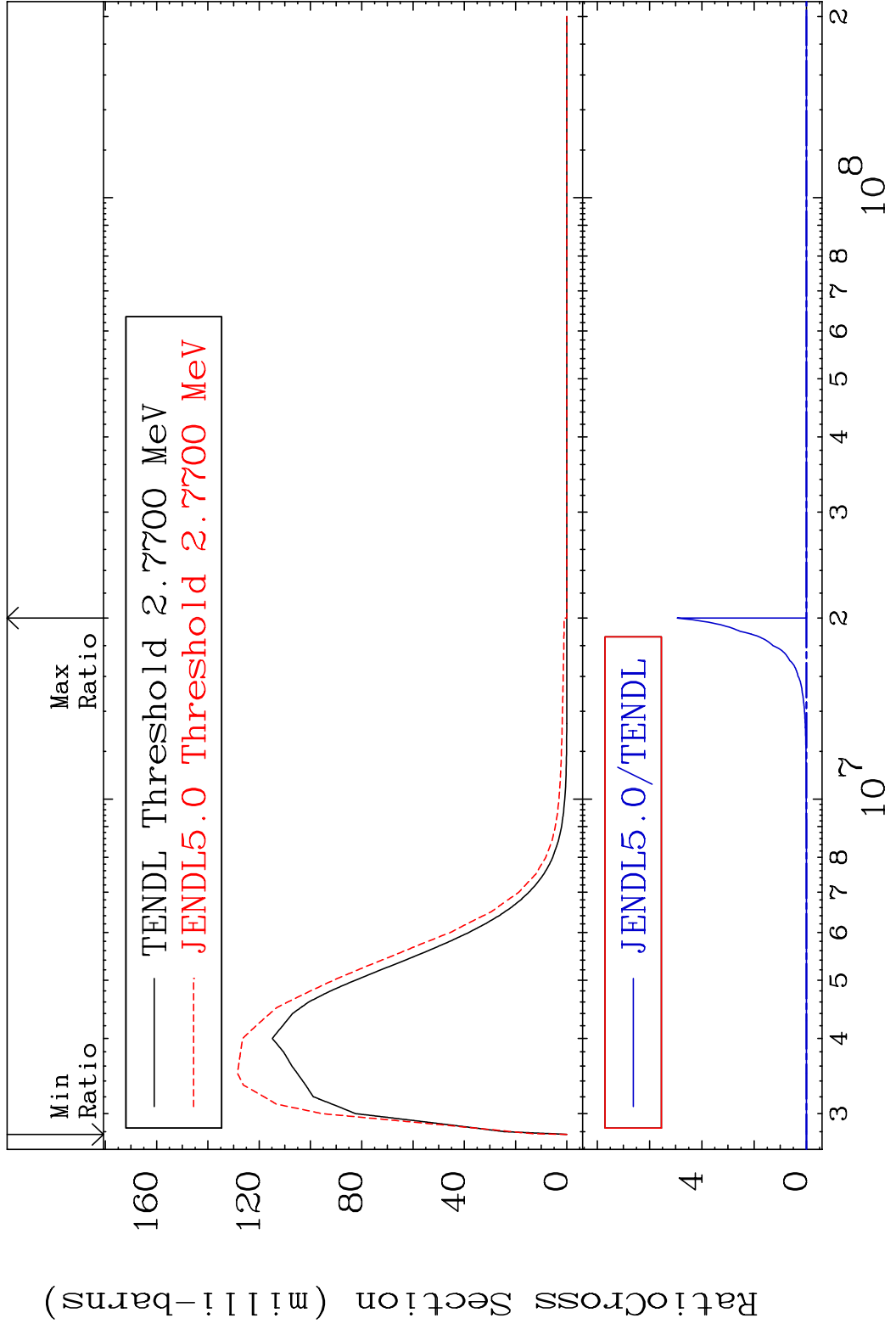
9 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 53 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 1850. %

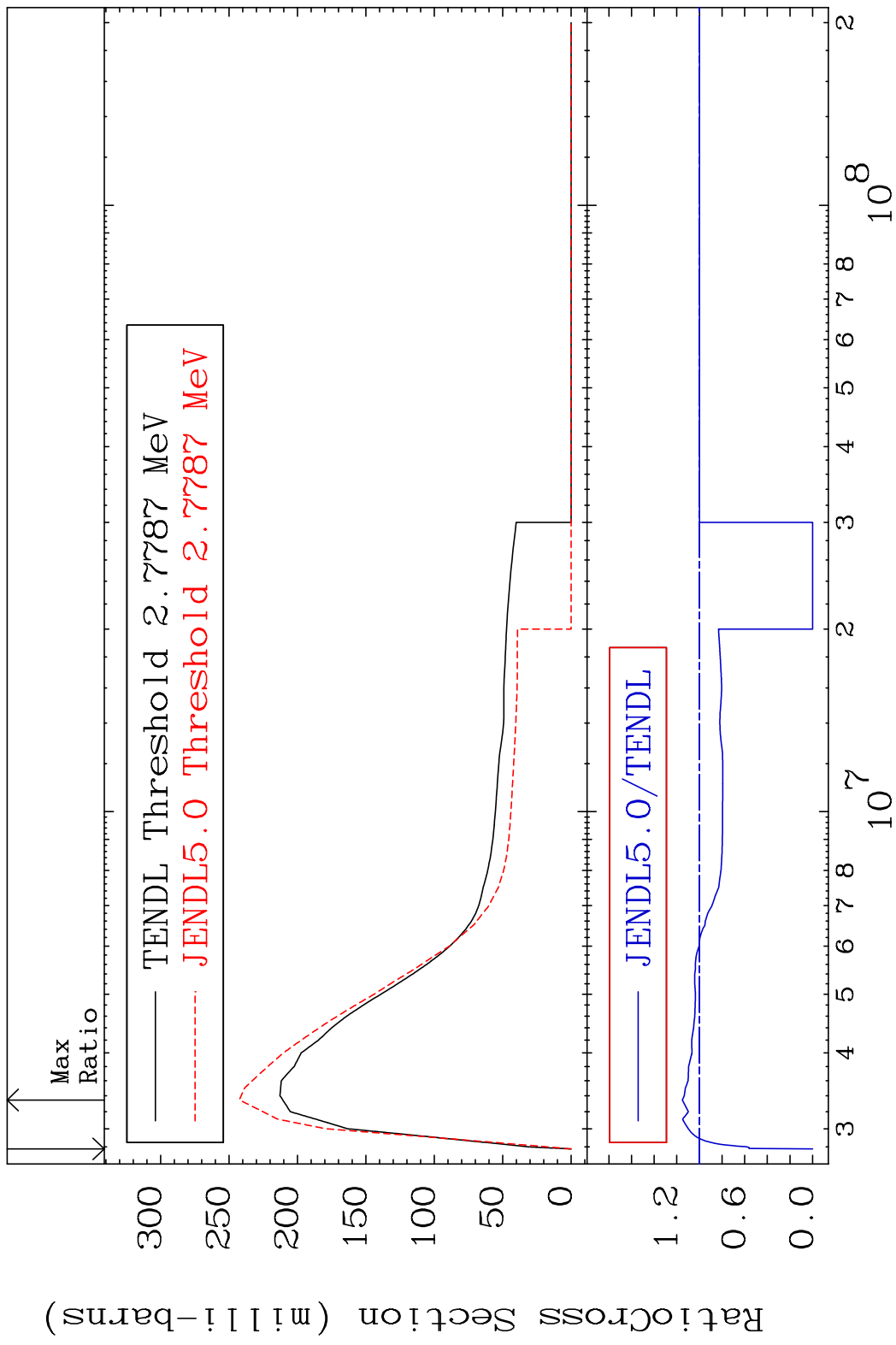


10 3 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

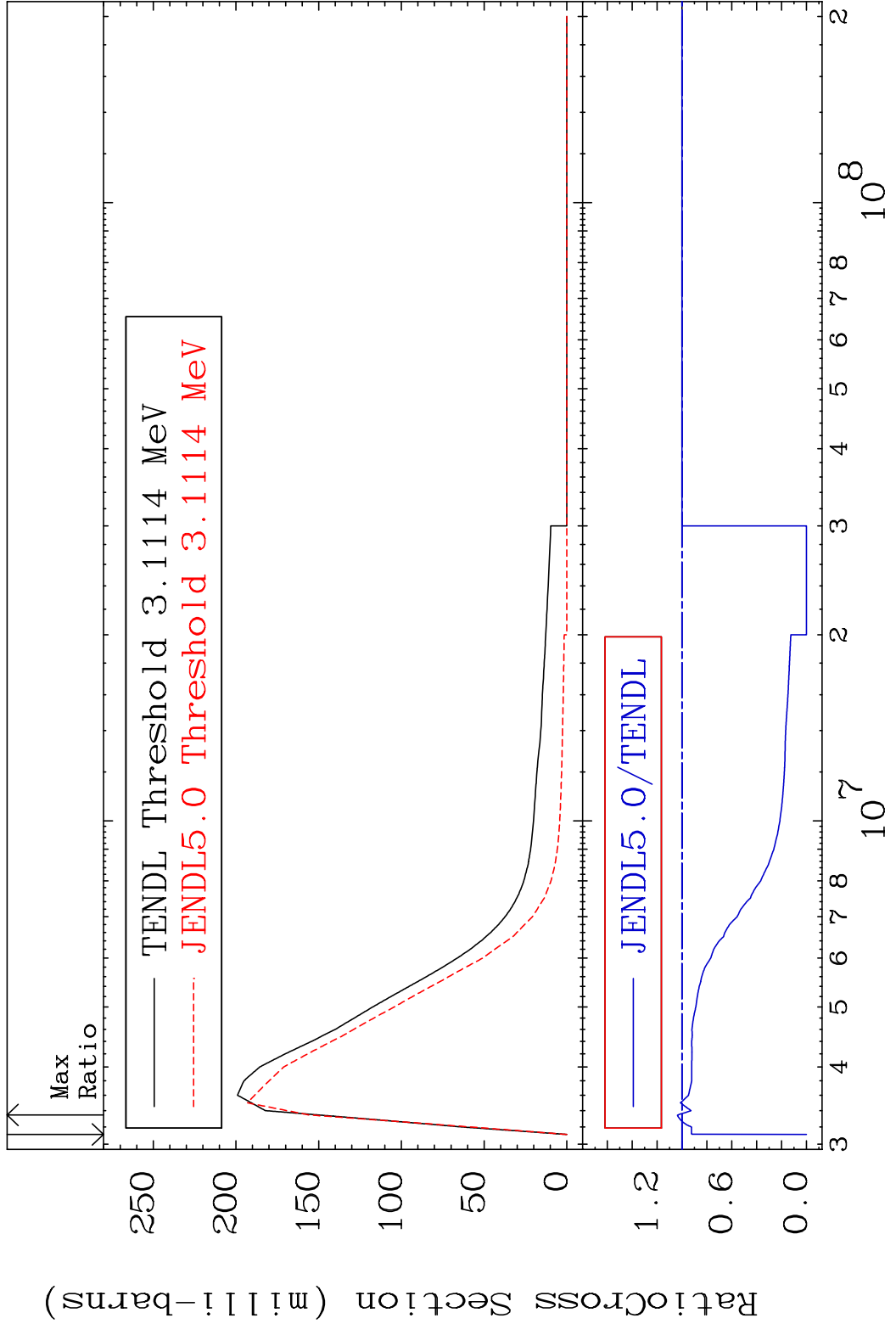
MAT 4025 MT= 54 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 9999. %



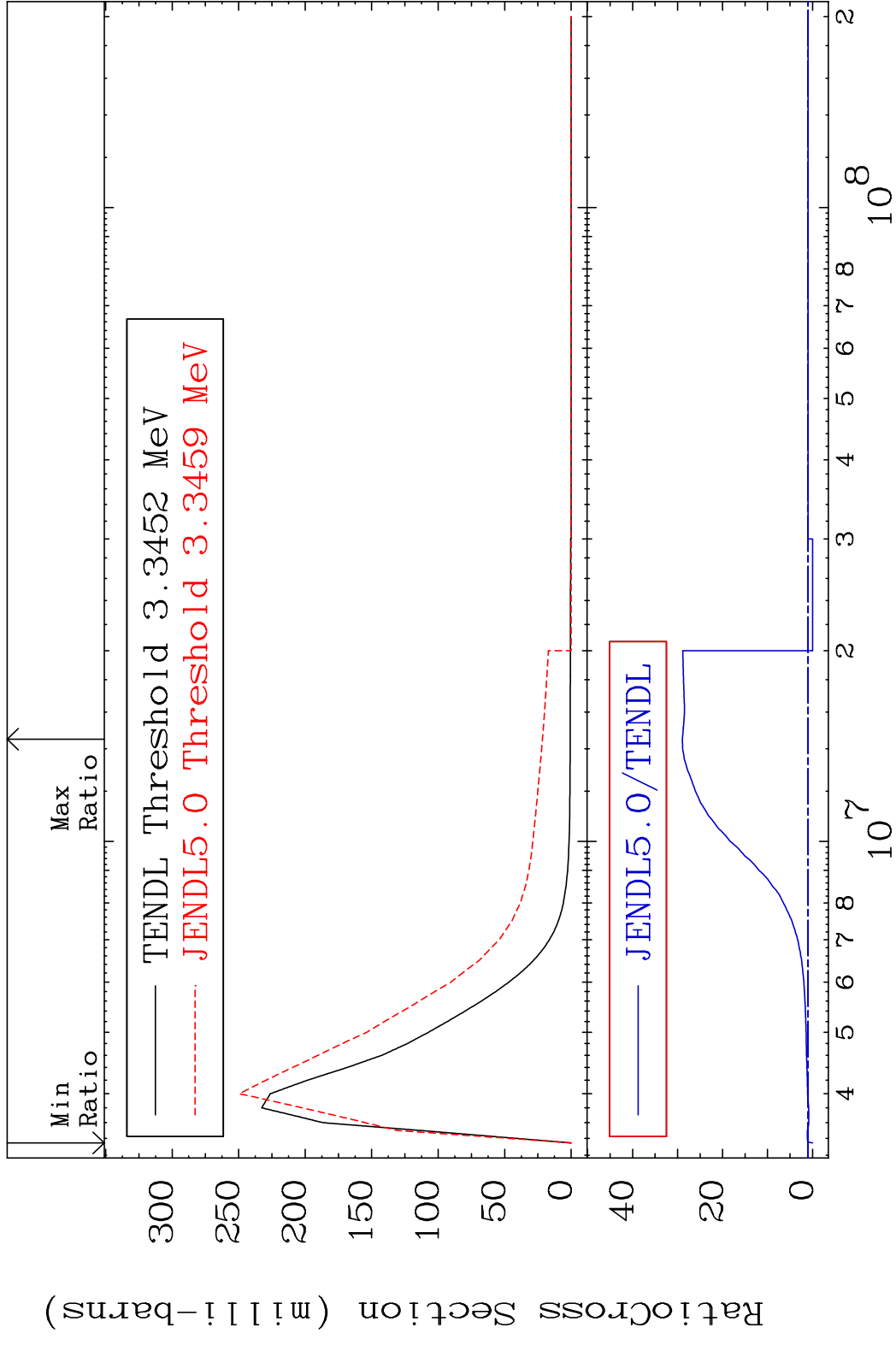
MAT 4025 MT= 55 (n,n') Level 40-Zr-90  
 Cross Section -100.0 To 15.08 %



MAT 4025 MT= 56 (n,n') Level 40-Zr-90  
 Cross Section -100.0 To 3.890 %



MAT 4025 MT= 57 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 2794. %

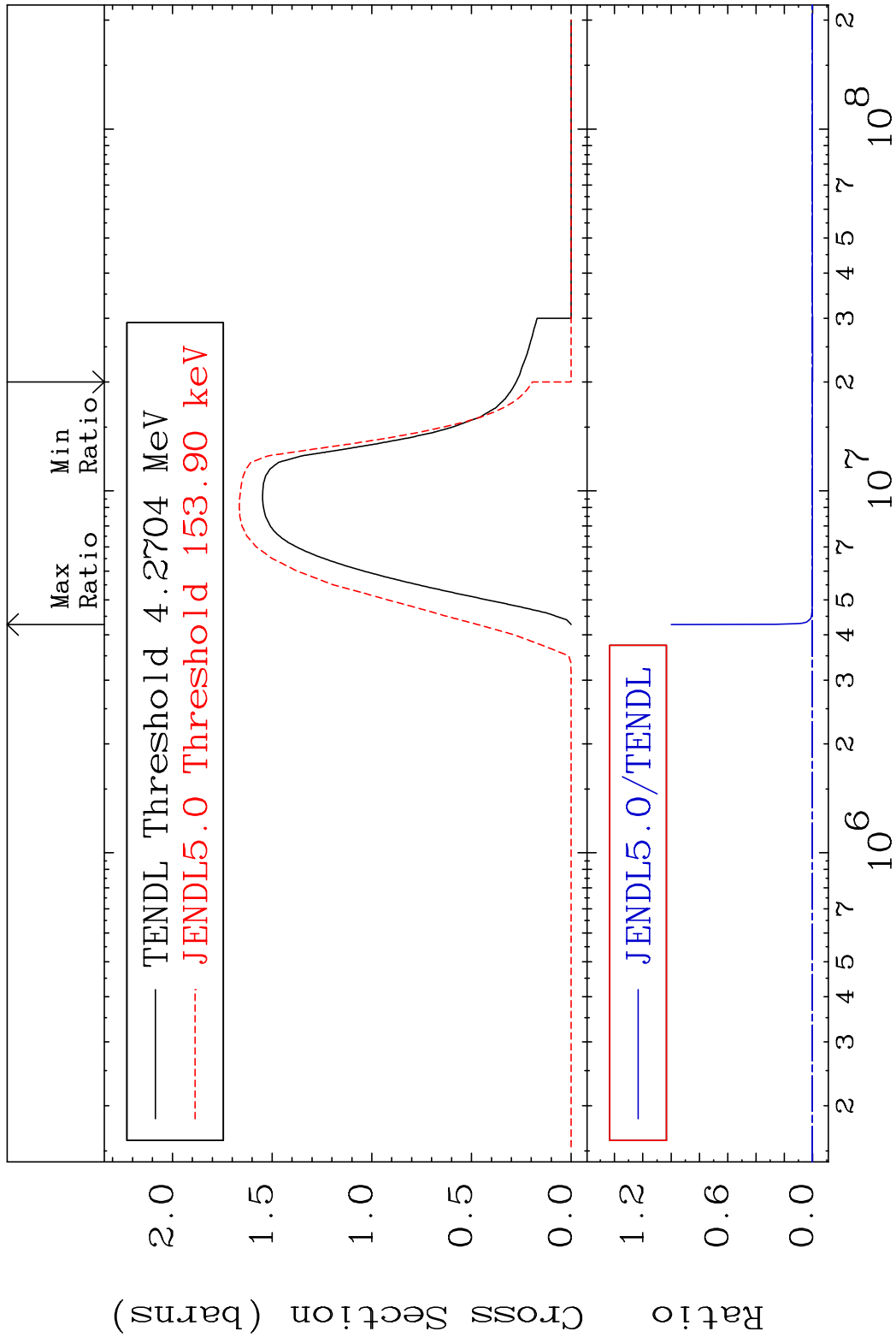


MAT 4025

(n,n') Continuum

40-Zr-90

Cross Section -100.0 To 9999. %



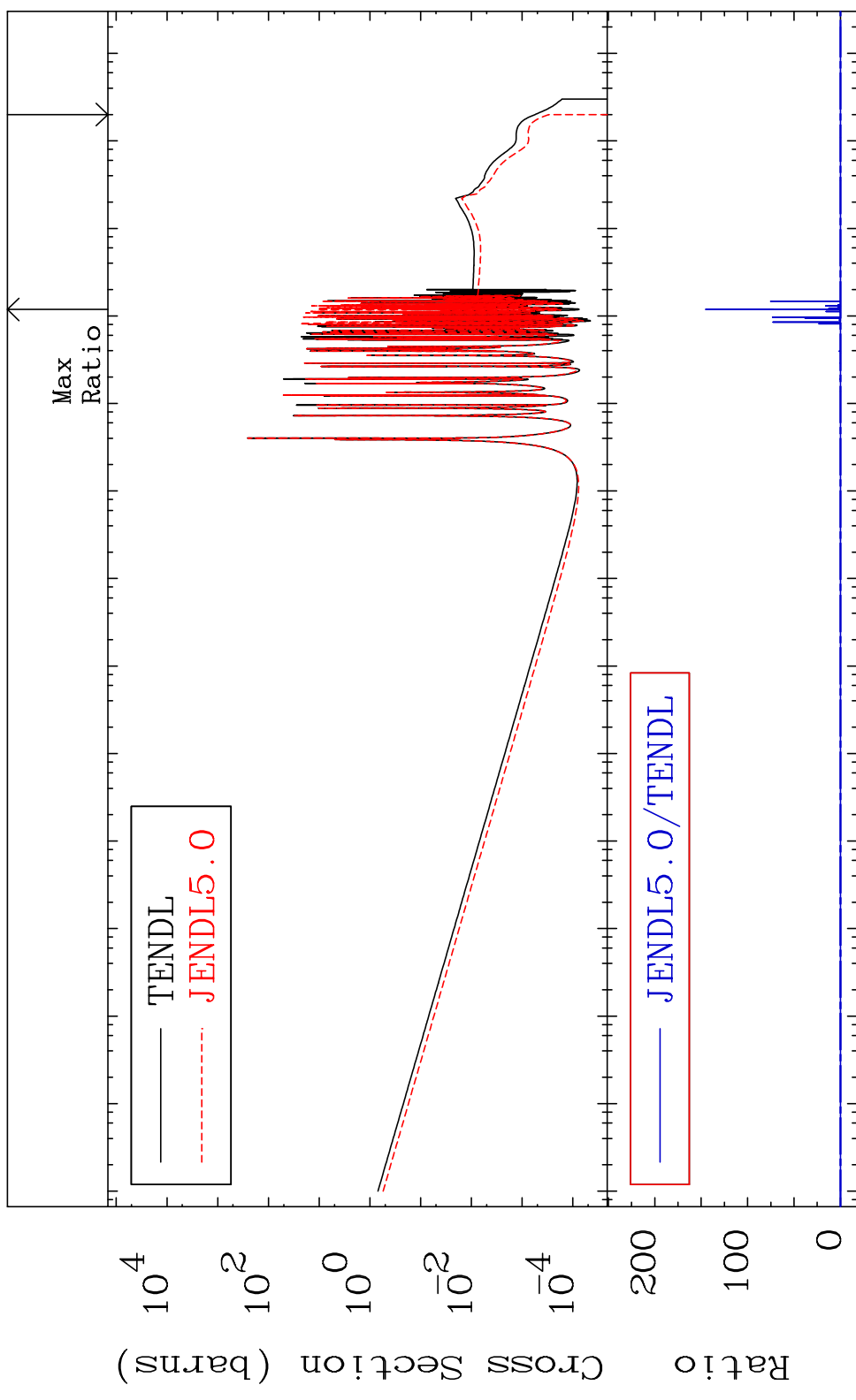


MAT 4025

(n,  $\gamma$ )

40-Zr-90

Cross Section -100.0 To 9999. %

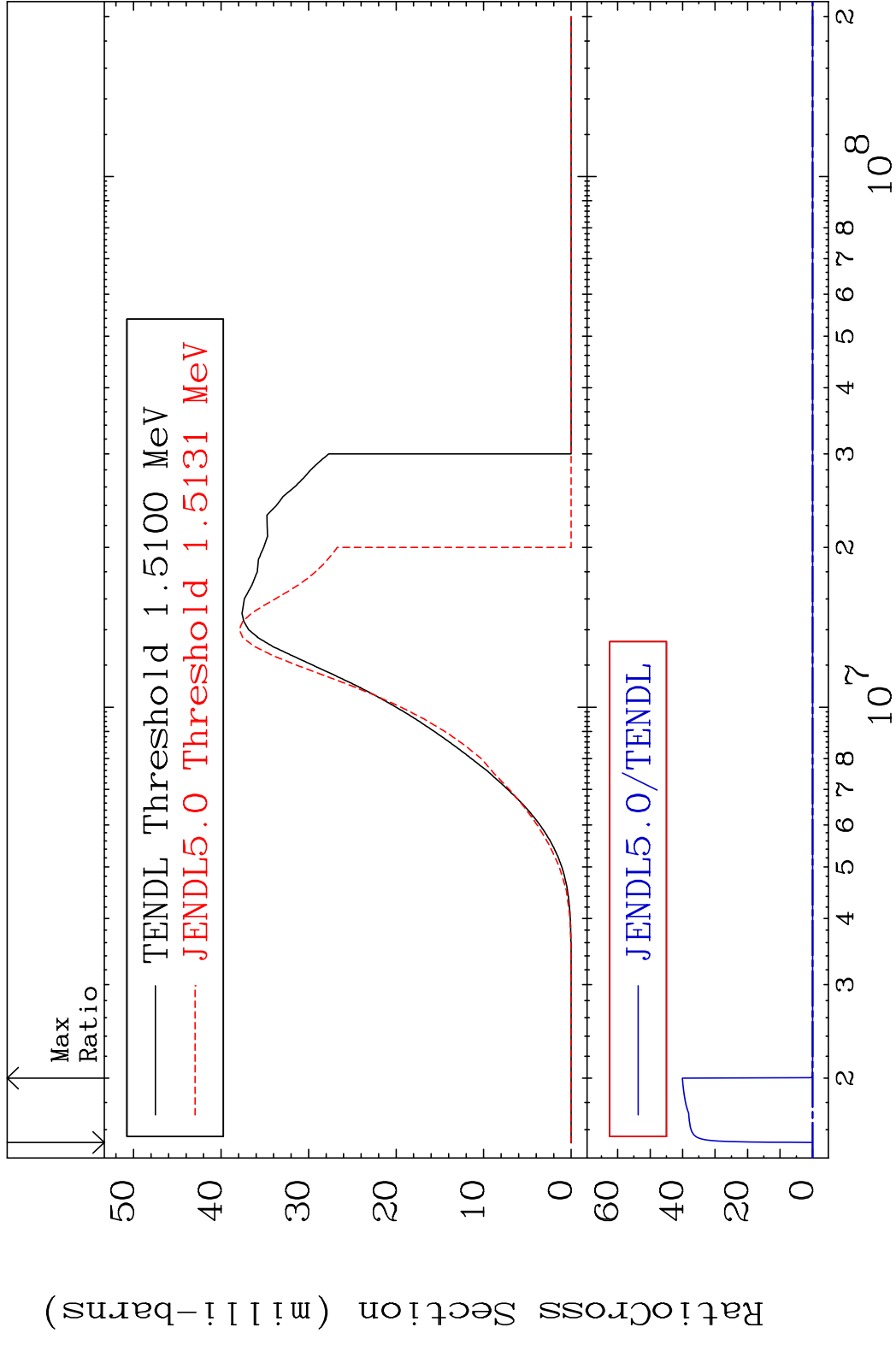


16

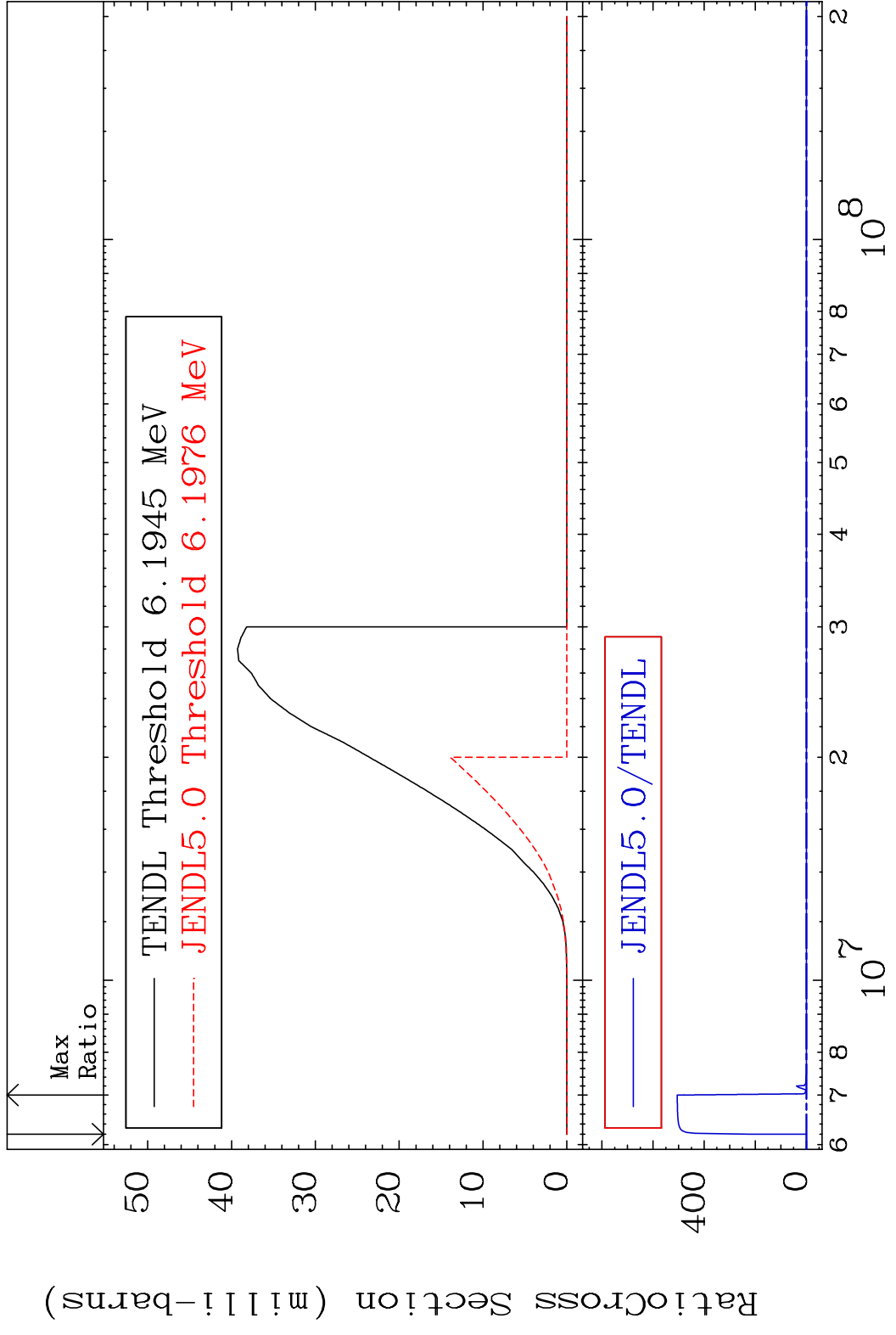
Incident Energy (eV)

40-Zr-90

MAT 4025 (n,p) 40-Zr-90  
 Cross Section -100.0 To 9999. %

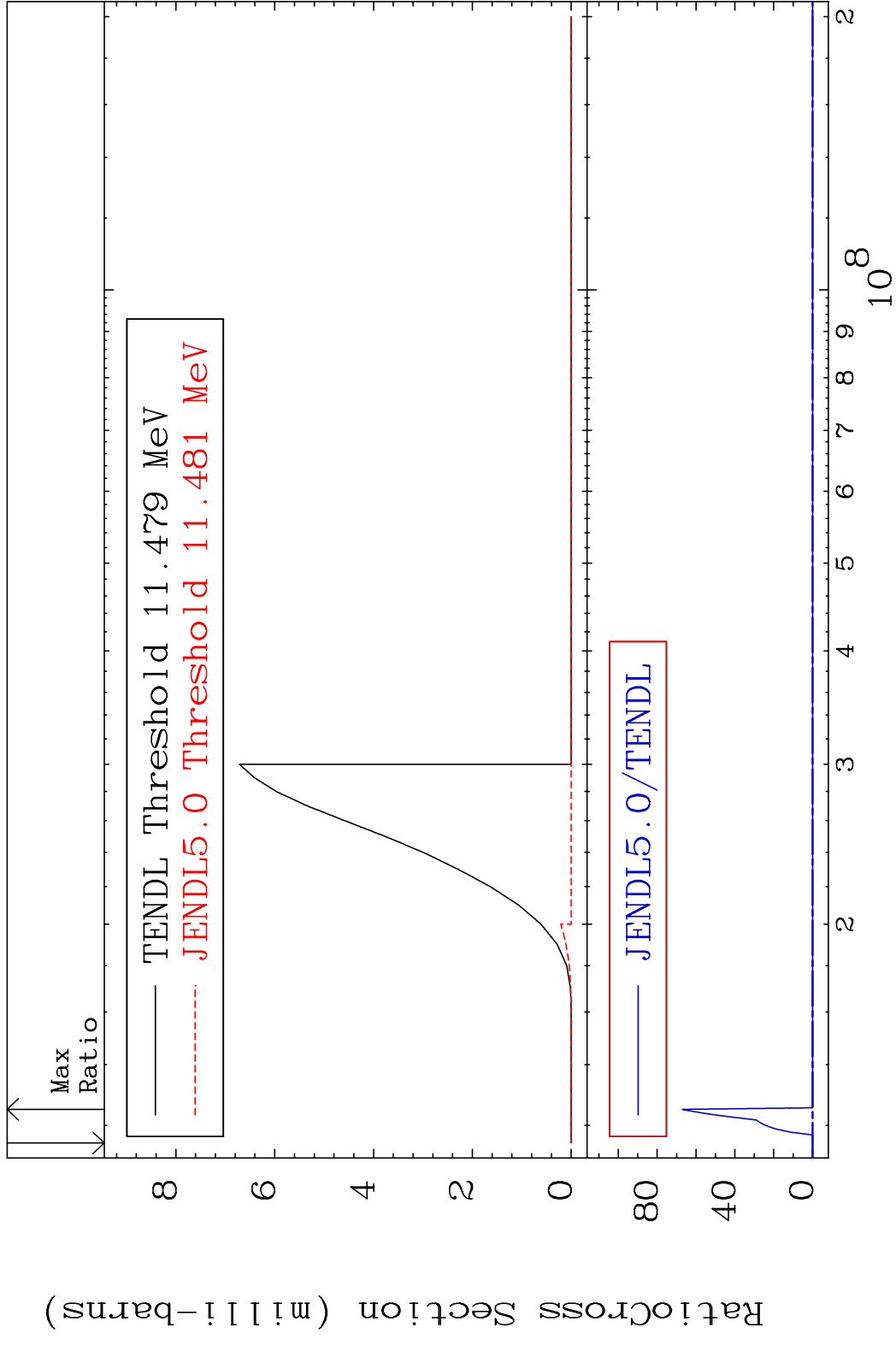


MAT 4025 (n,d) 40-Zr-90  
 Cross Section -100.0 To 9999. %



18 Incident Energy (eV) 40-Zr-90

MAT 4025 (n, t) 40-Zr-90  
 Cross Section -100.0 To 9999. %



19 Incident Energy (eV) 40-Zr-90

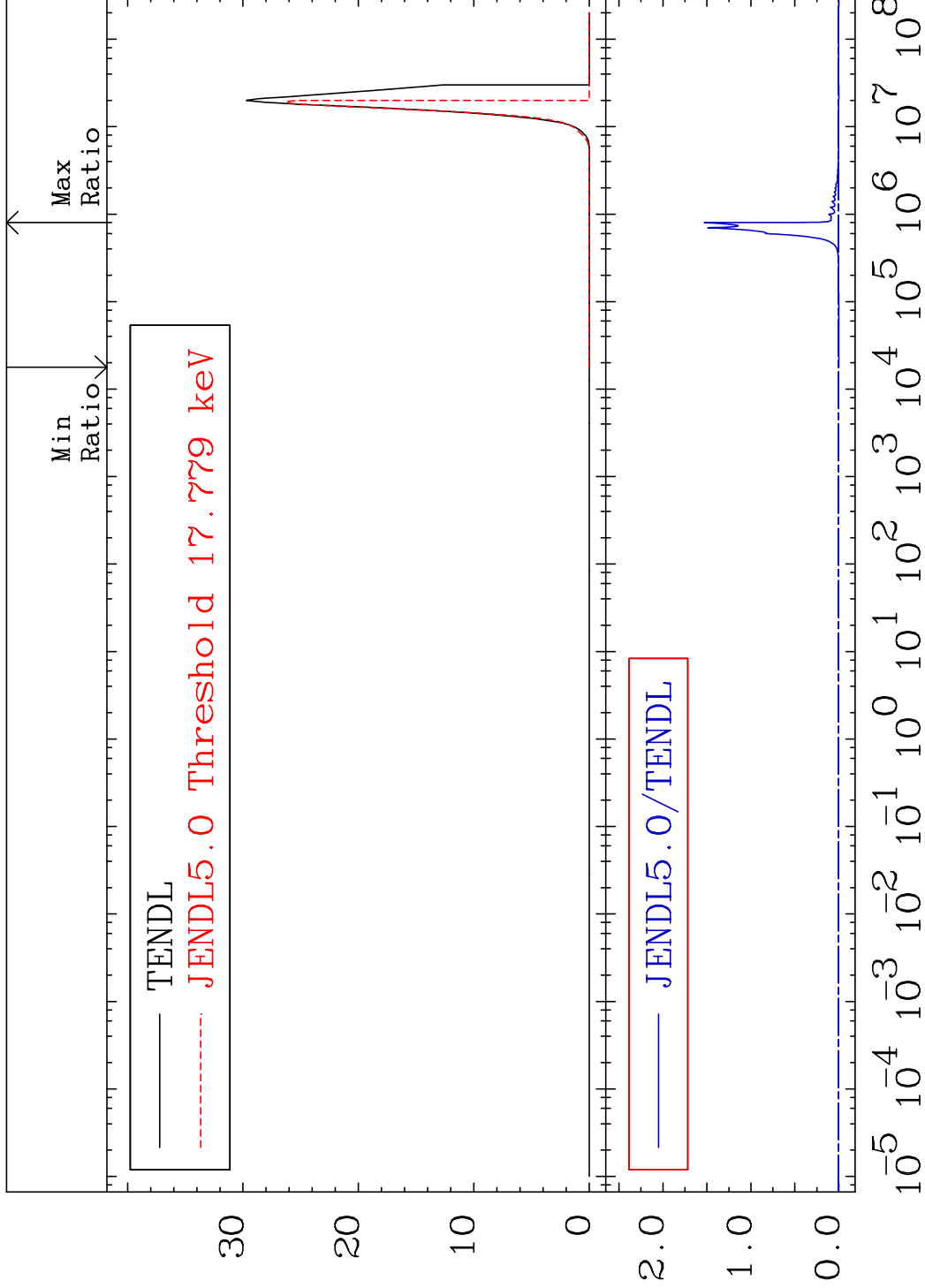
MAT 4025

(n,  $\alpha$ )

40-Zr-90

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)

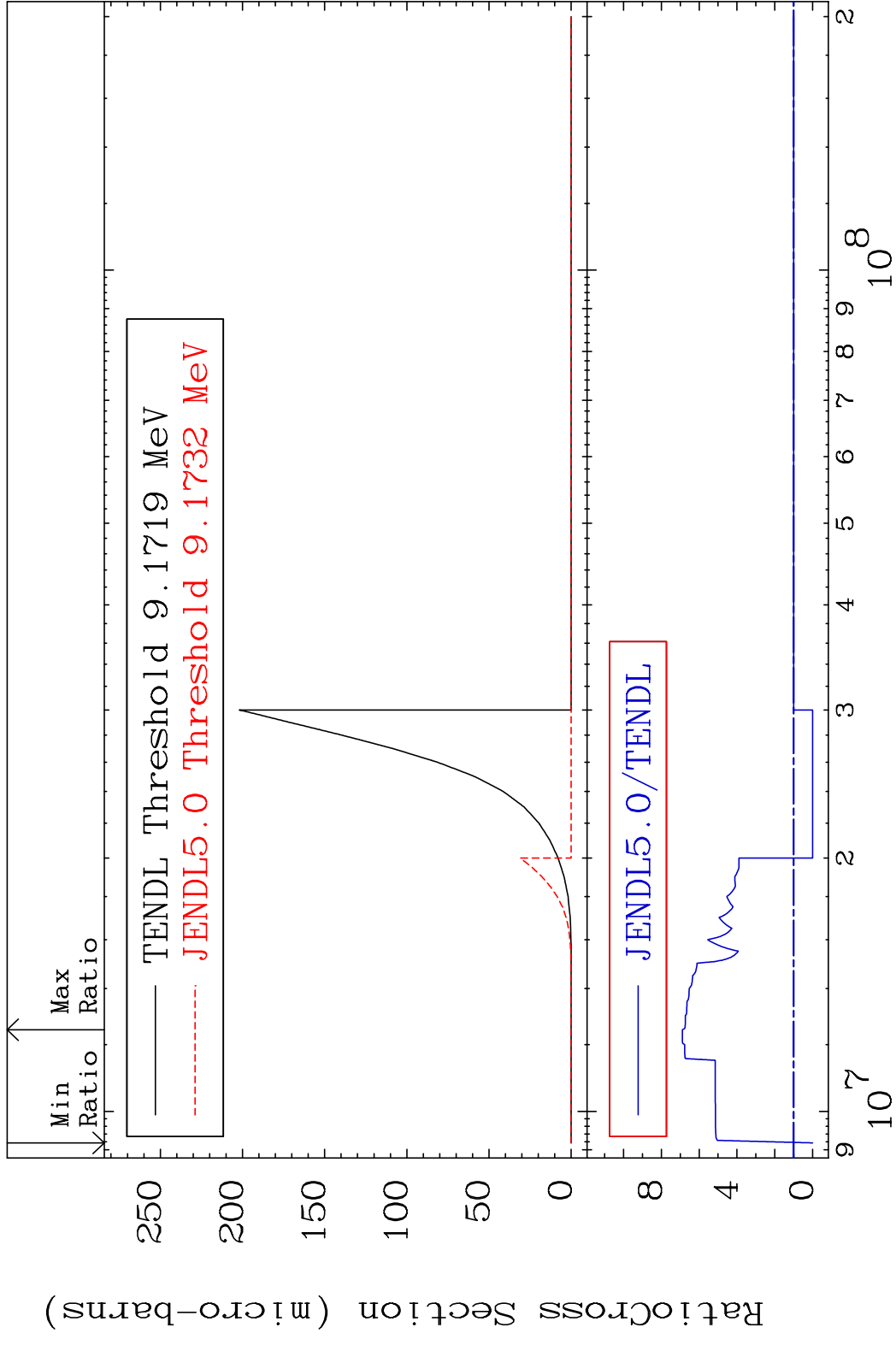


20

Incident Energy (eV)

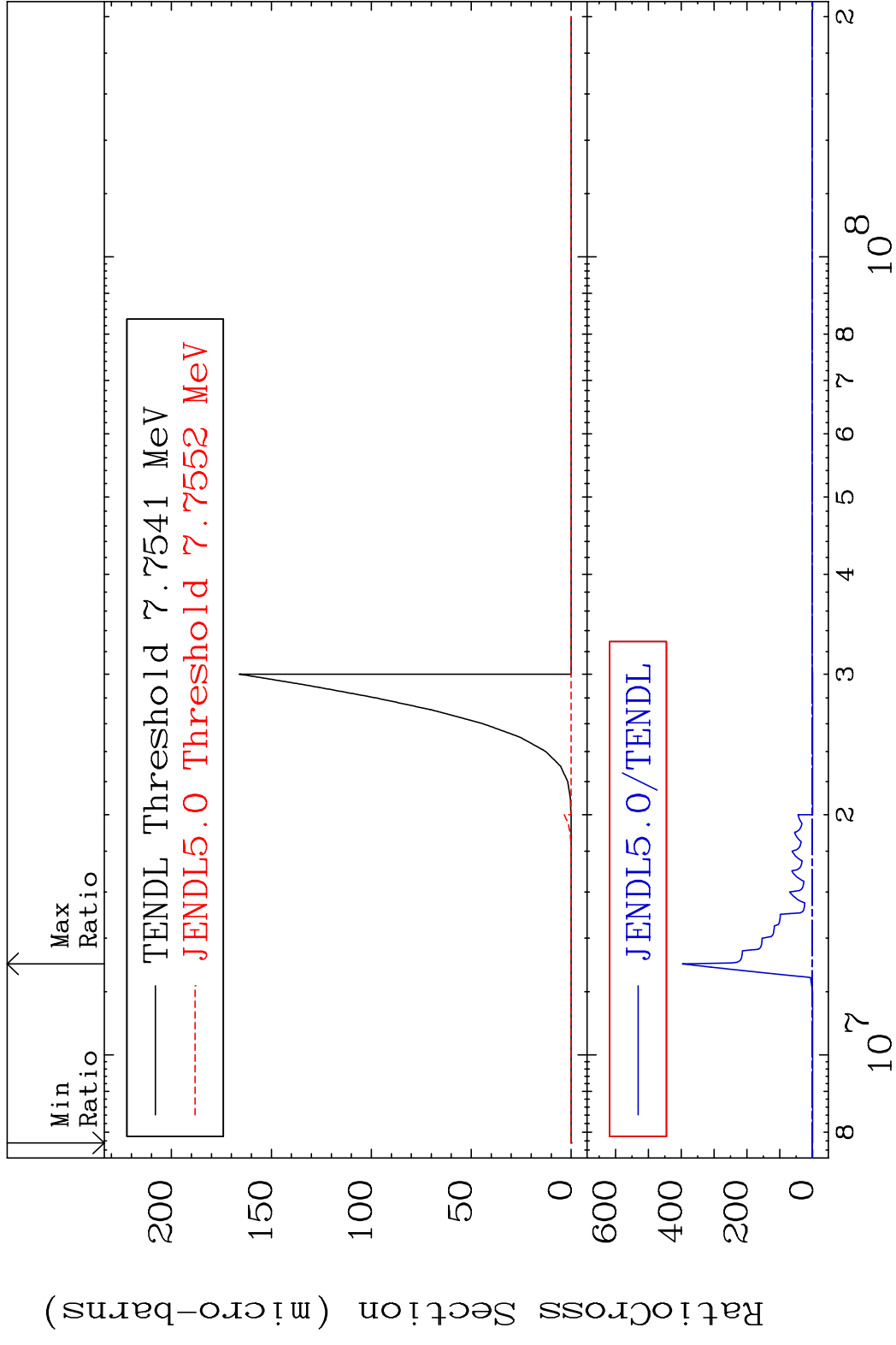
40-Zr-90

MAT 4025 (n,2p) 40-Zr-90  
 Cross Section -100.0 To 589.0 %

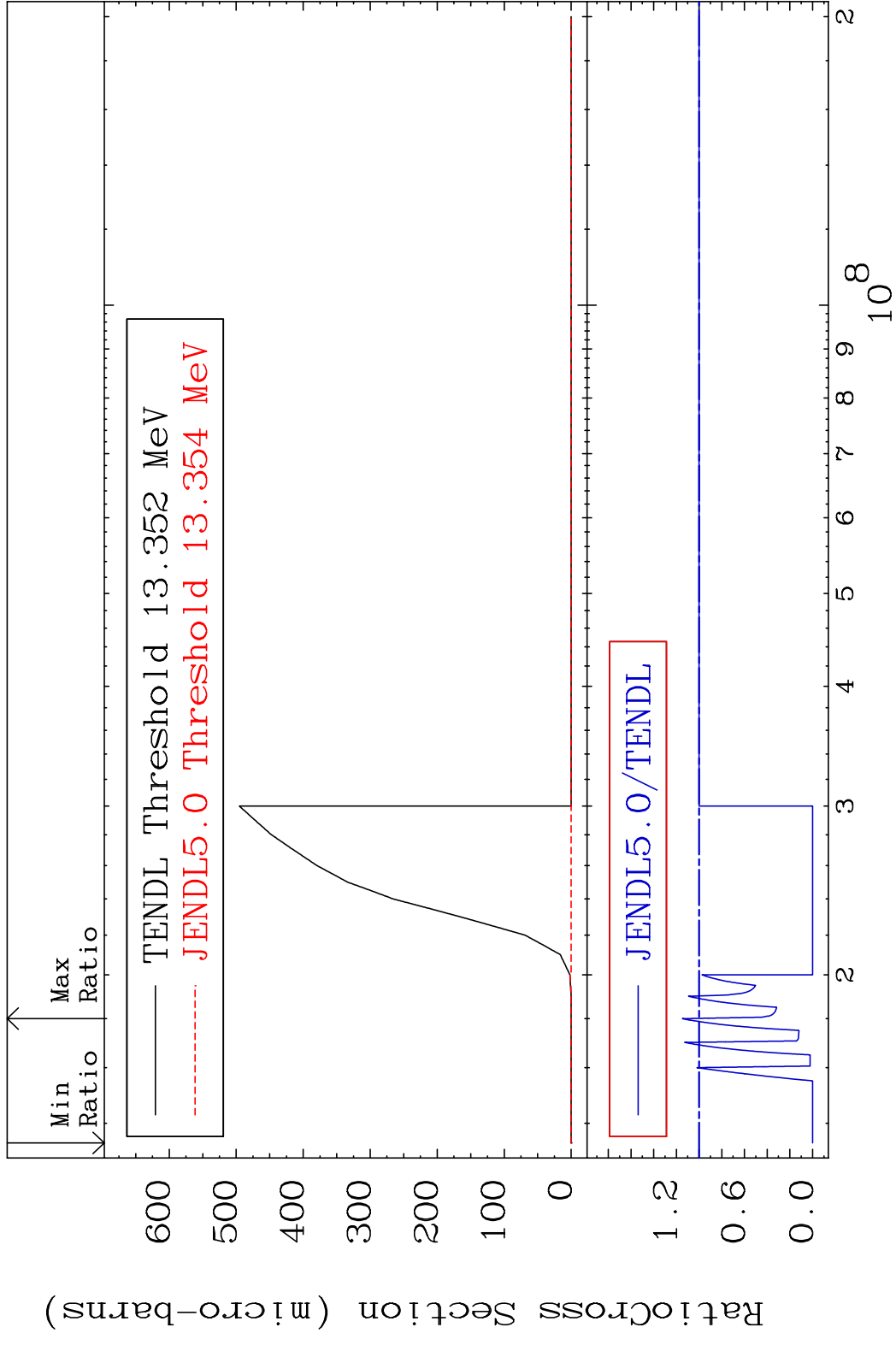


21 40-Zr-90

MAT 4025 (n,p)  $\alpha$  40-Zr-90  
 Cross Section -100.0 To 9999. %



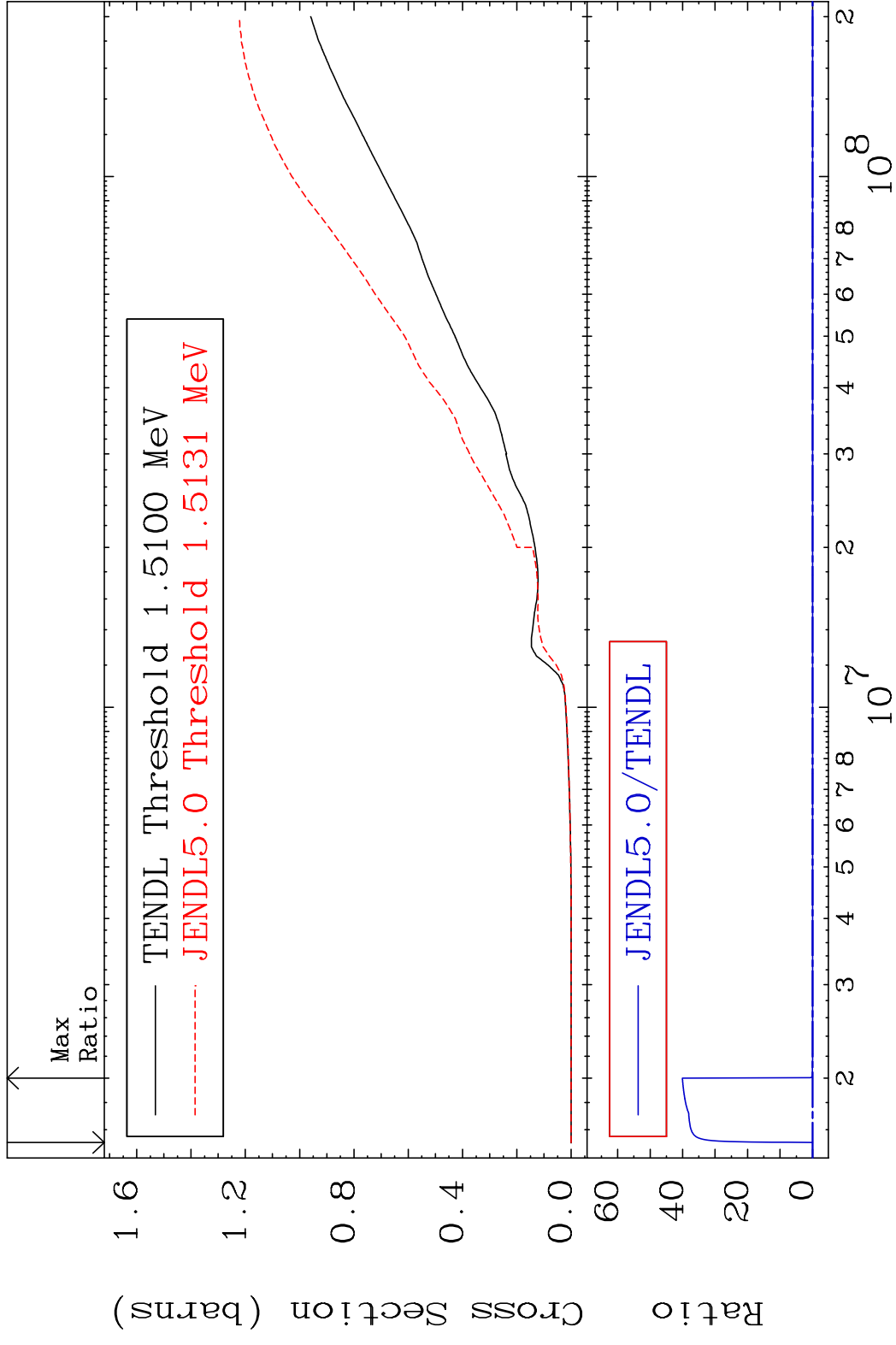
MAT 4025 (n,p) d 40-Zr-90  
 Cross Section -100.0 To 14.73 %



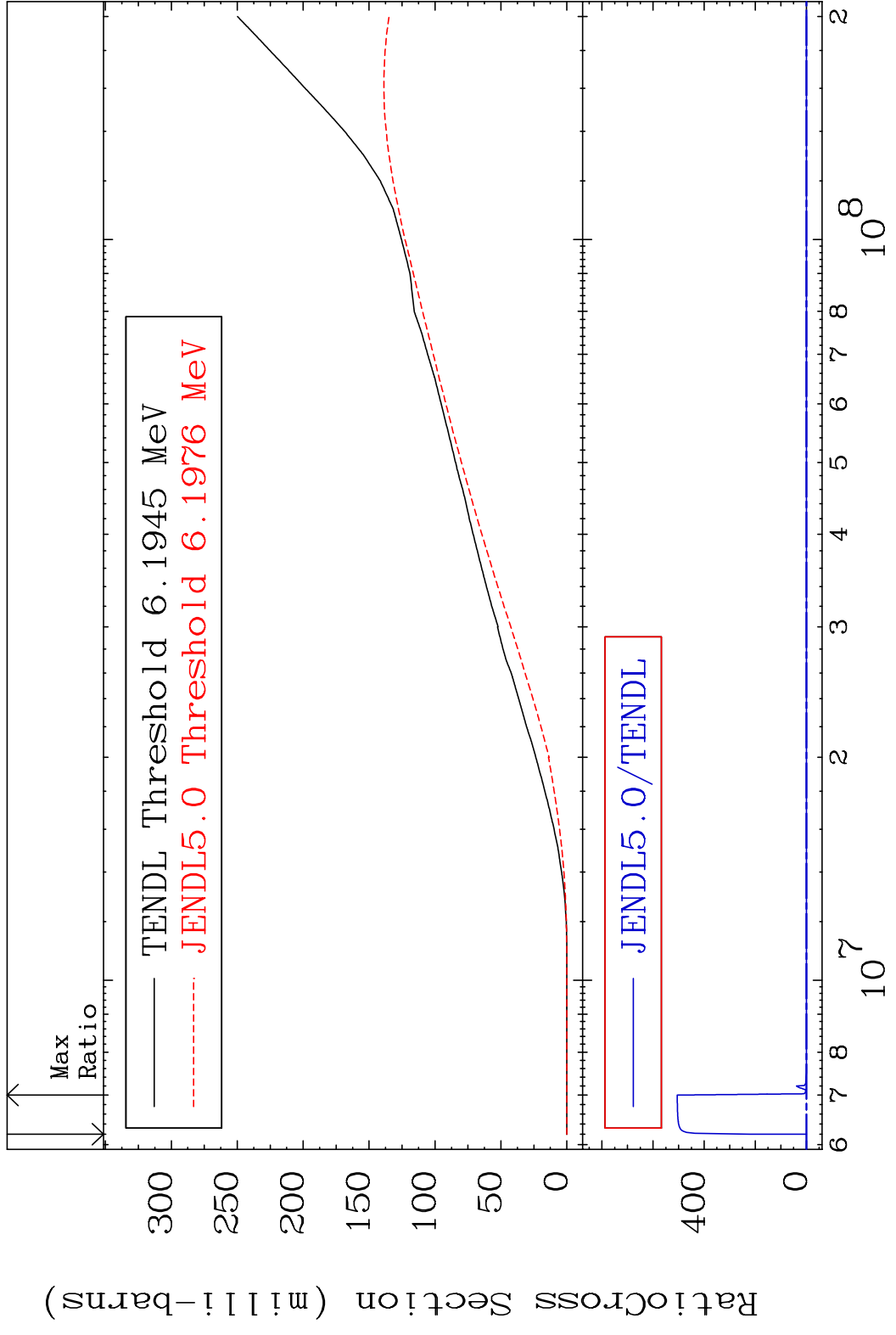
23 Incident Energy (eV) 40-Zr-90



MAT 4025 Hydrogen Production 40-Zr-90  
 Cross Section -100.0 To 9999. %

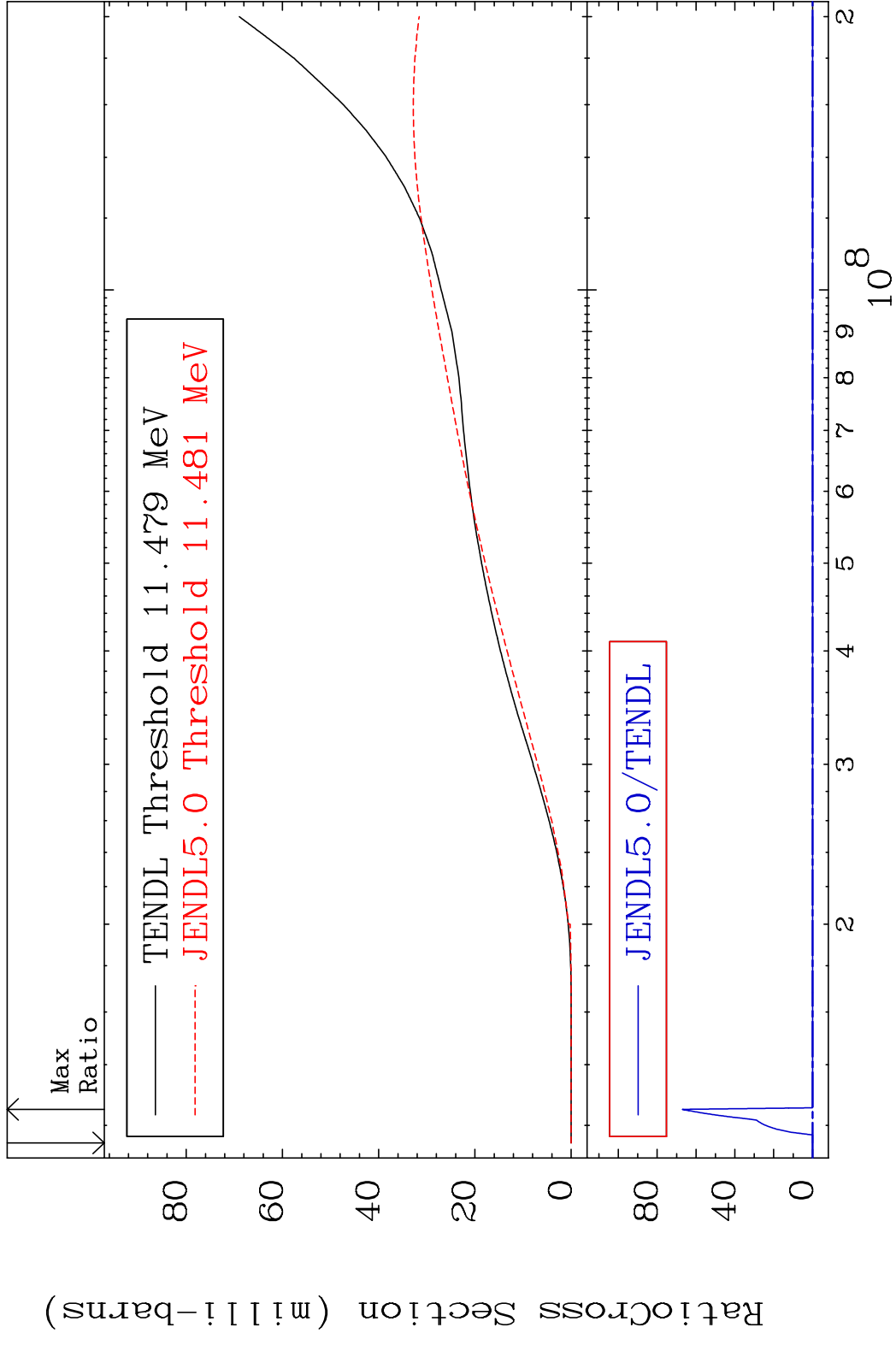


MAT 4025 Deuterium Production 40-Zr-90  
 Cross Section -100.0 To 9999. %

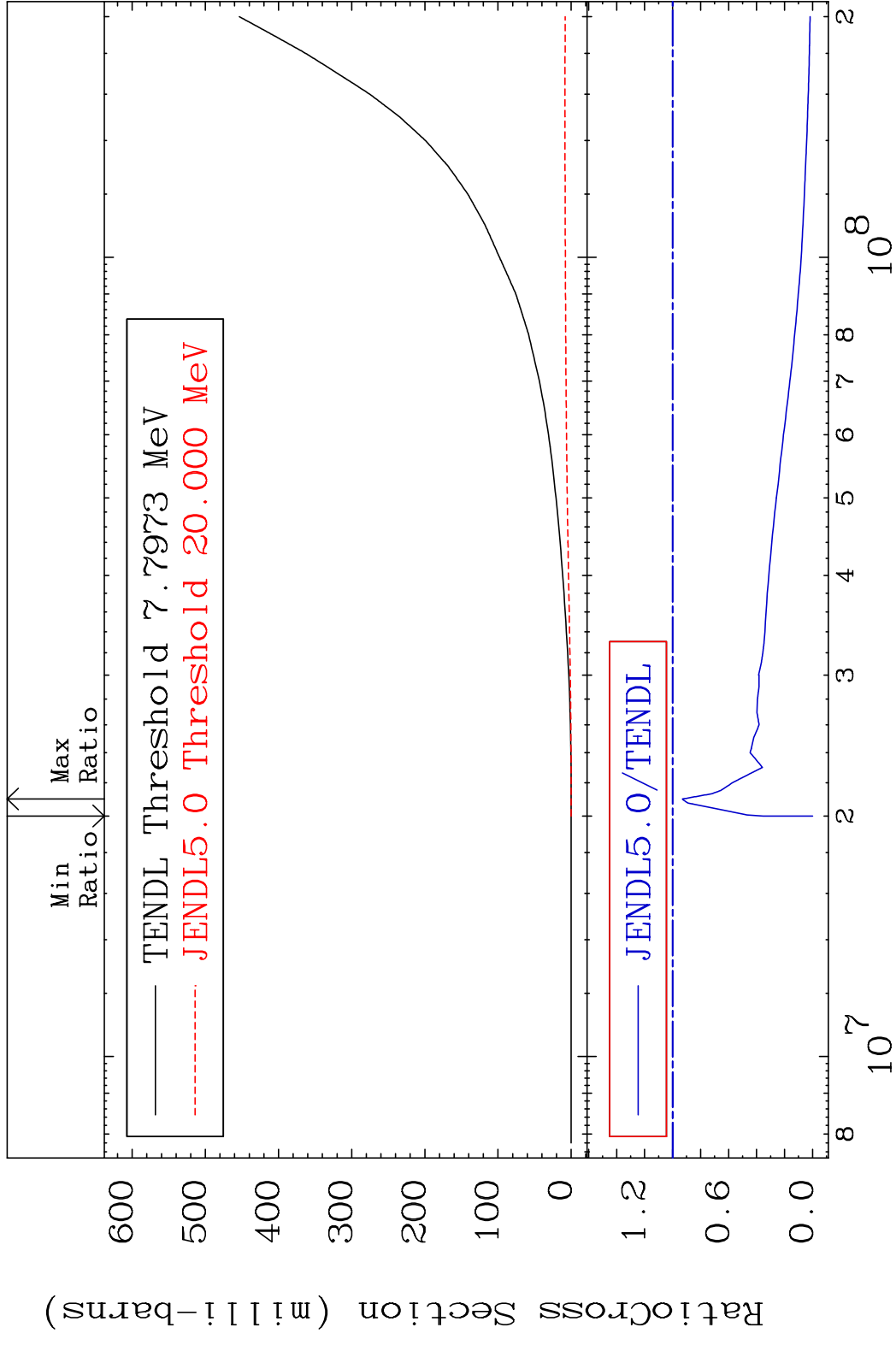


25 40-Zr-90

MAT 4025 Tritium Production 40-Zr-90  
 Cross Section -100.0 To 9999. %



MAT 4025 He-3 Production 40-Zr-90  
 Cross Section -100.0 To -6.969%



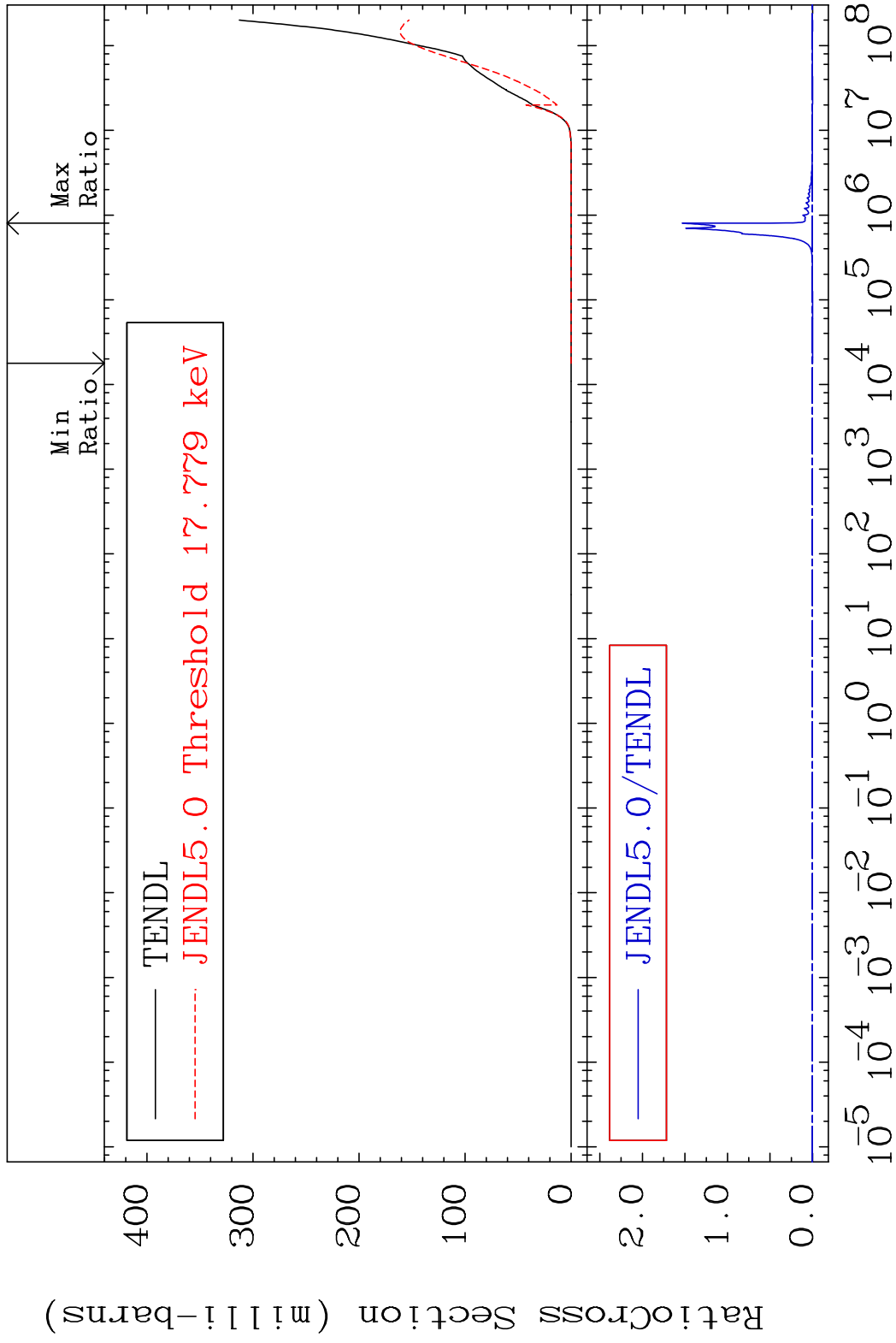
27 Incident Energy (eV) 40-Zr-90

MAT 4025

He-4 Production

40-Zr-90

Cross Section -100.0 To 9999. %

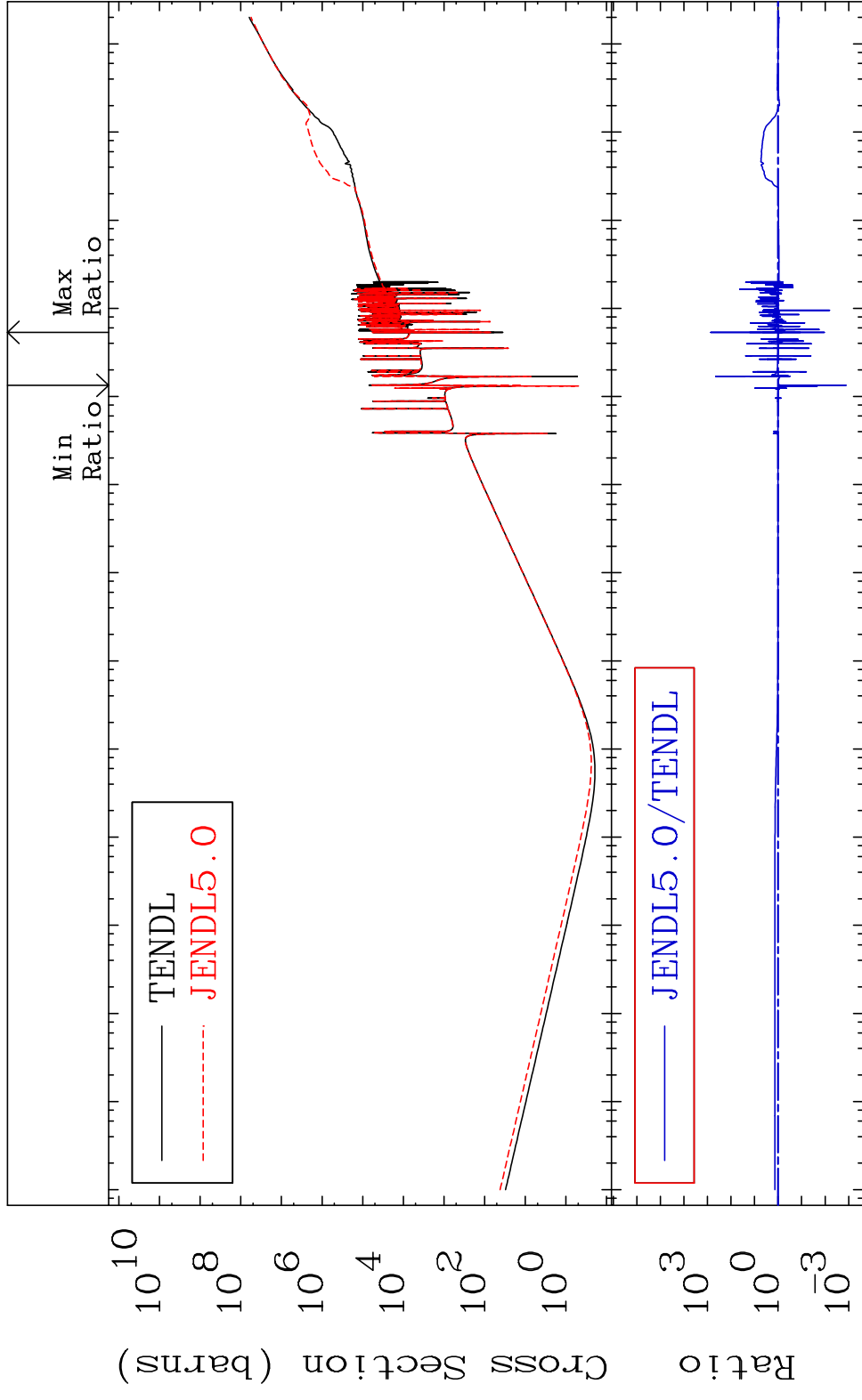


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Incident Energy (eV)

40-Zr-90

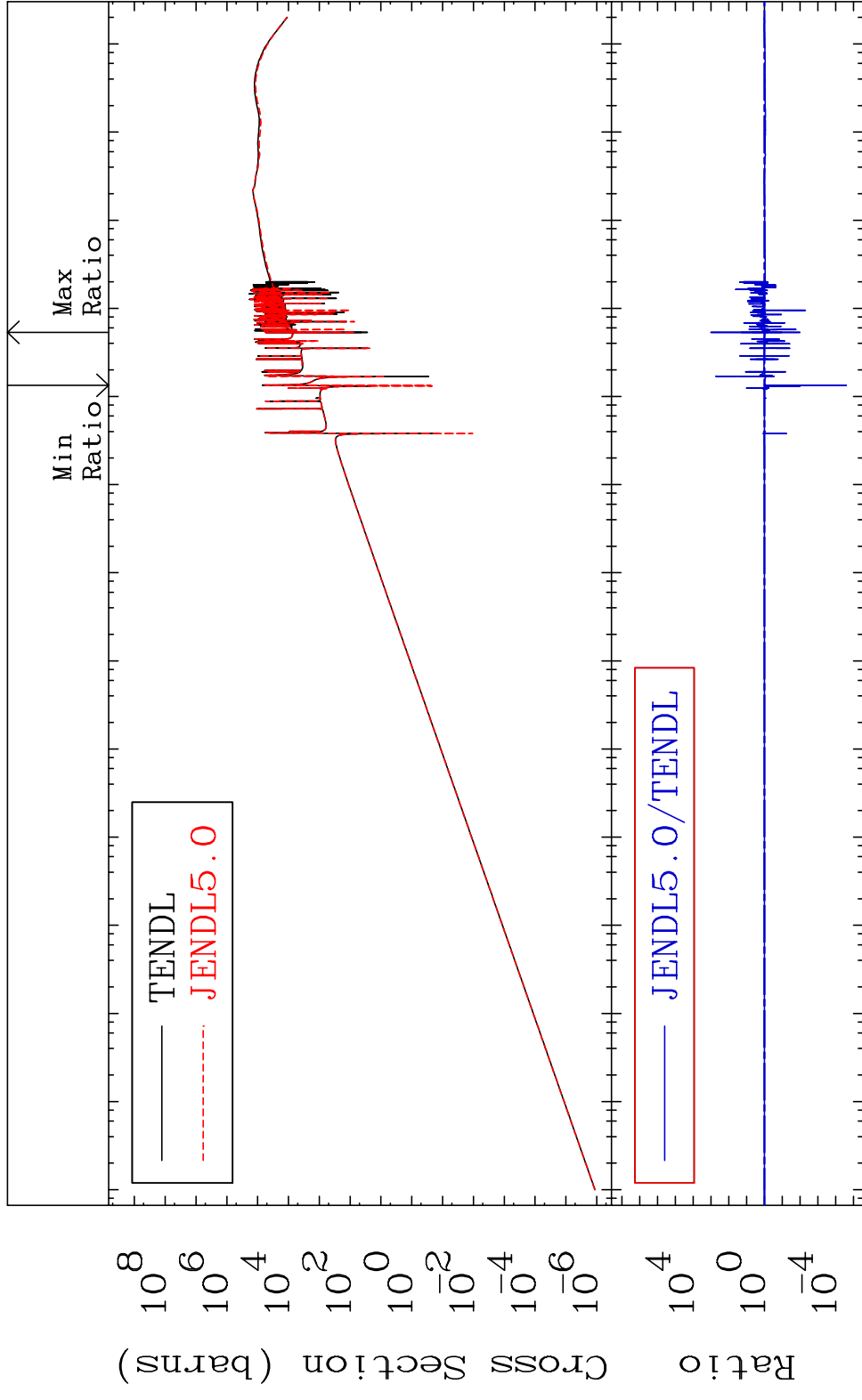
MAT 4025 Kerma total (eV-barns) 40-Zr-90  
 Cross Section -99.87 To 9999. %



29 Incident Energy (eV) 40-Zr-90

MAT 4025

Kerma elastic Cross Section -100.0 To 9999. %  
40-Zr-90

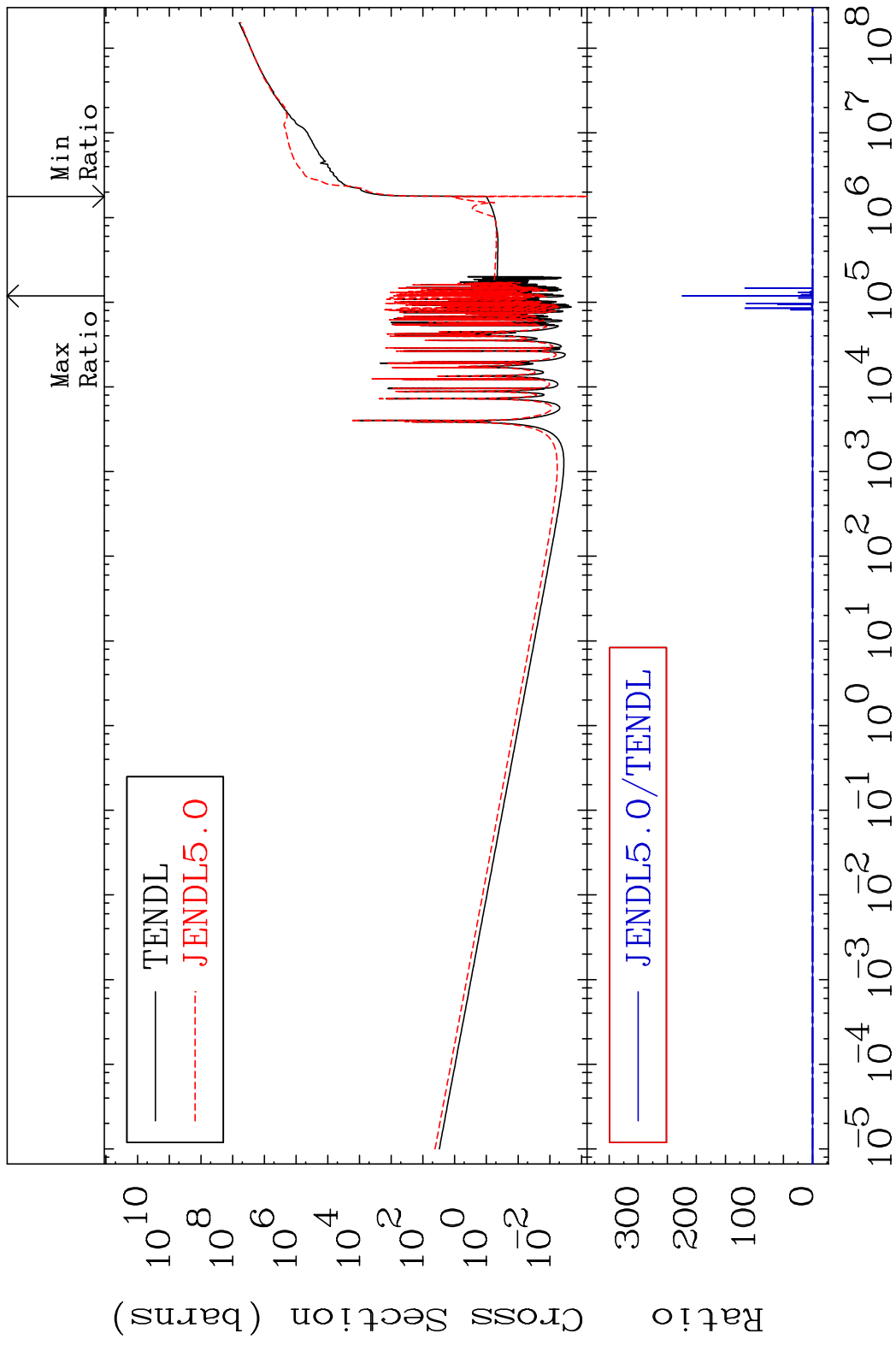


30

Incident Energy (eV)

40-Zr-90

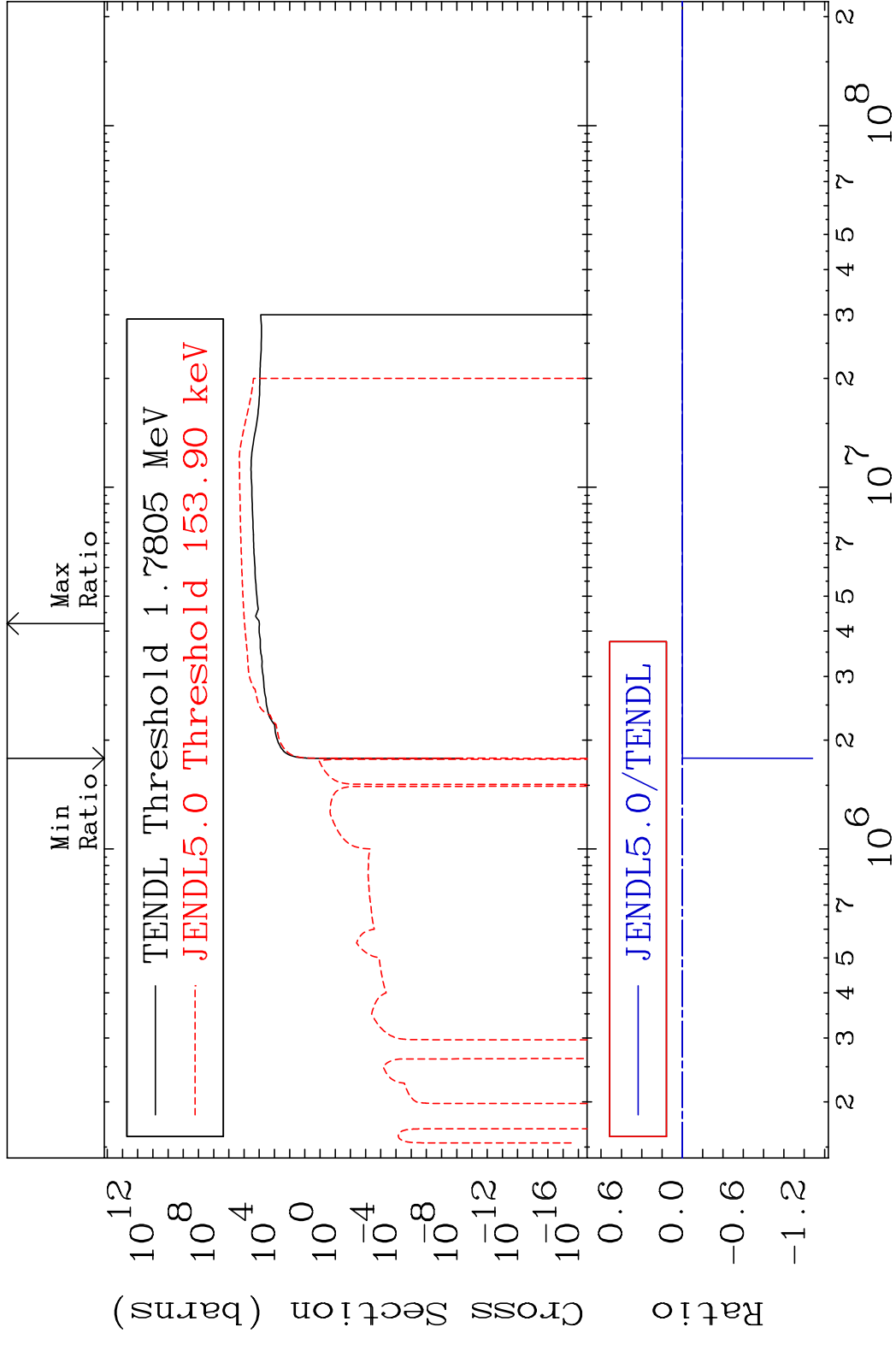
MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90  
 Cross Section -578.9 To 9999. %



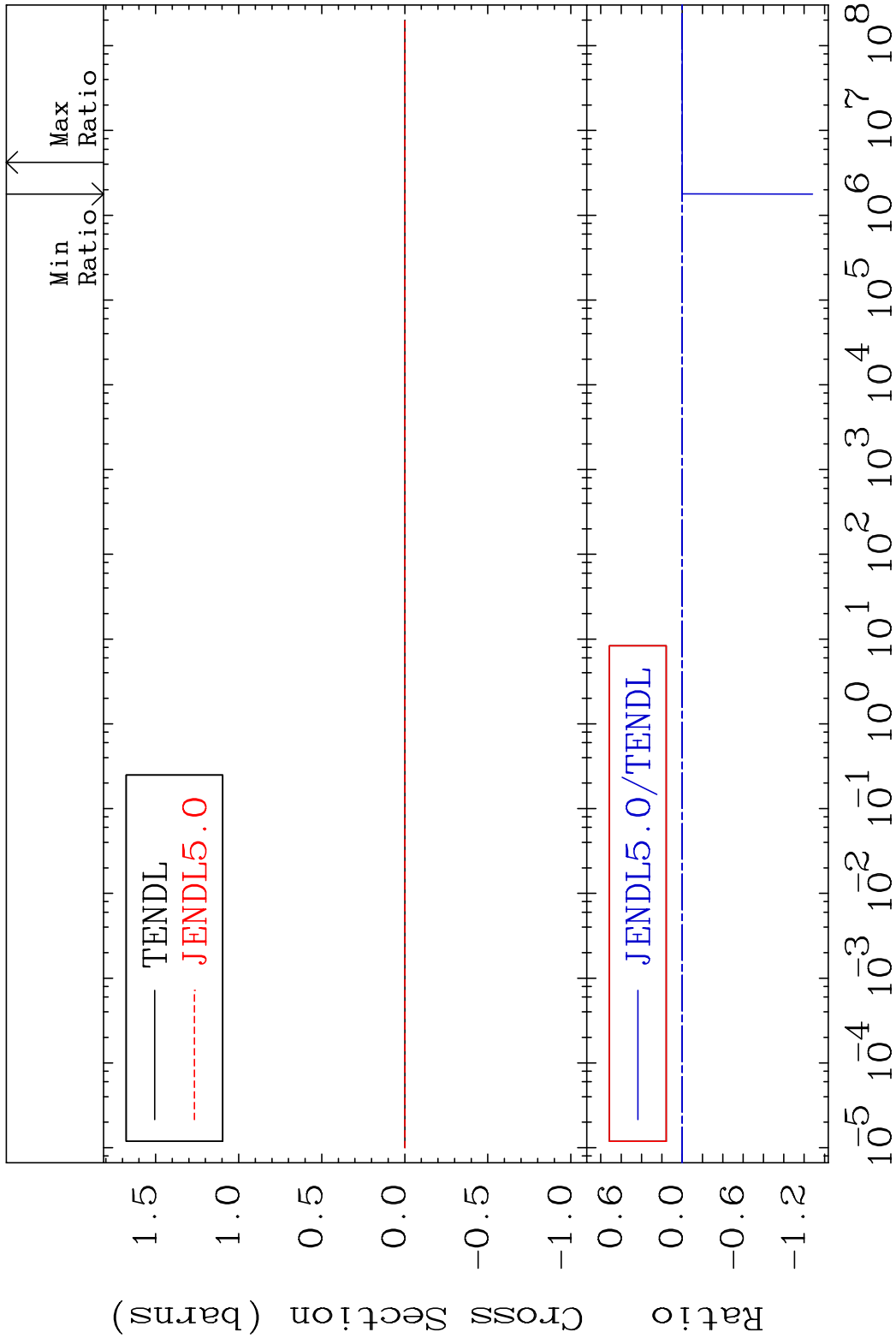
31 Incident Energy (eV) 40-Zr-90



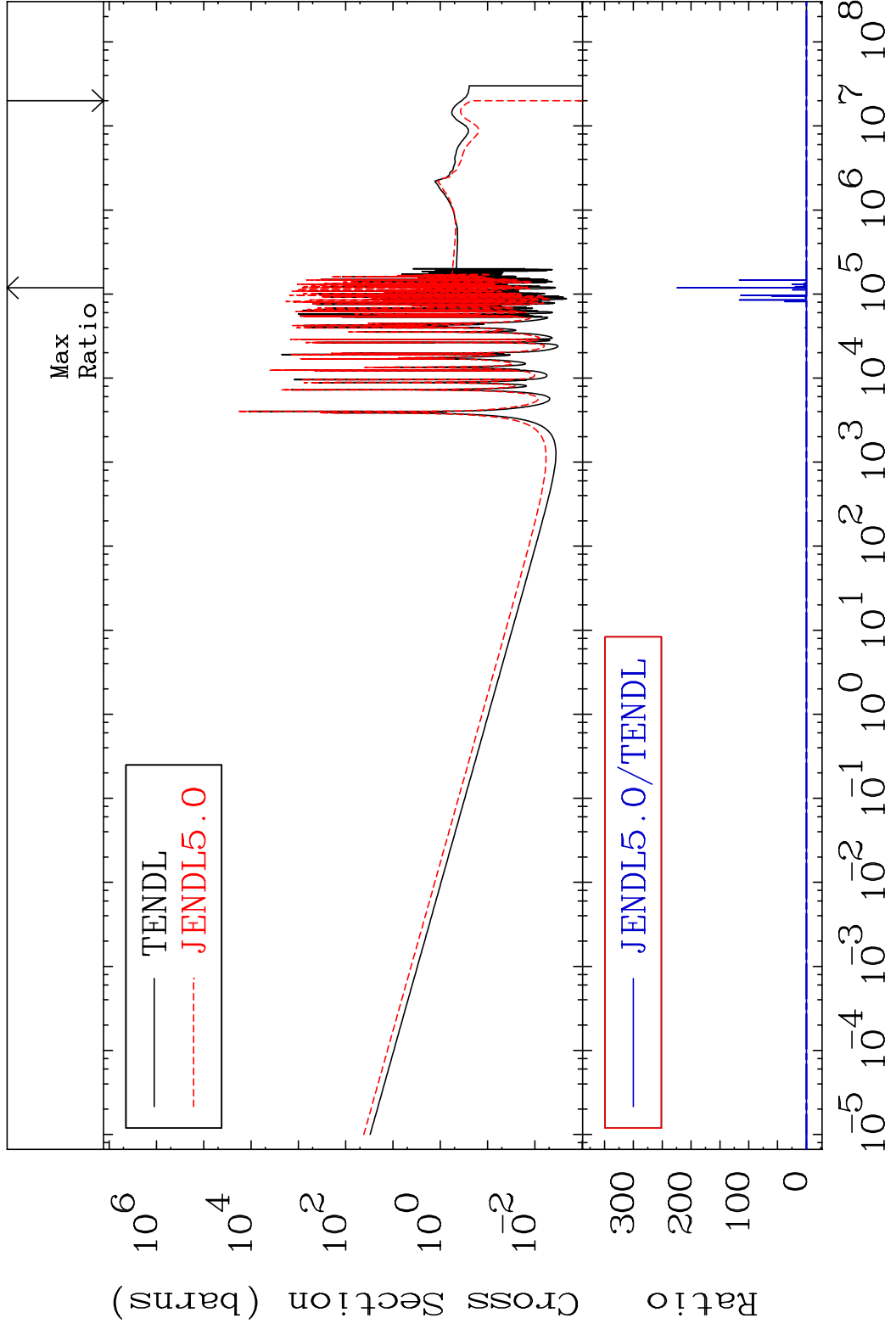
MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90  
 Cross Section -9999. To 840.9 %



MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90  
 Cross Section -9999. To 840.9 %

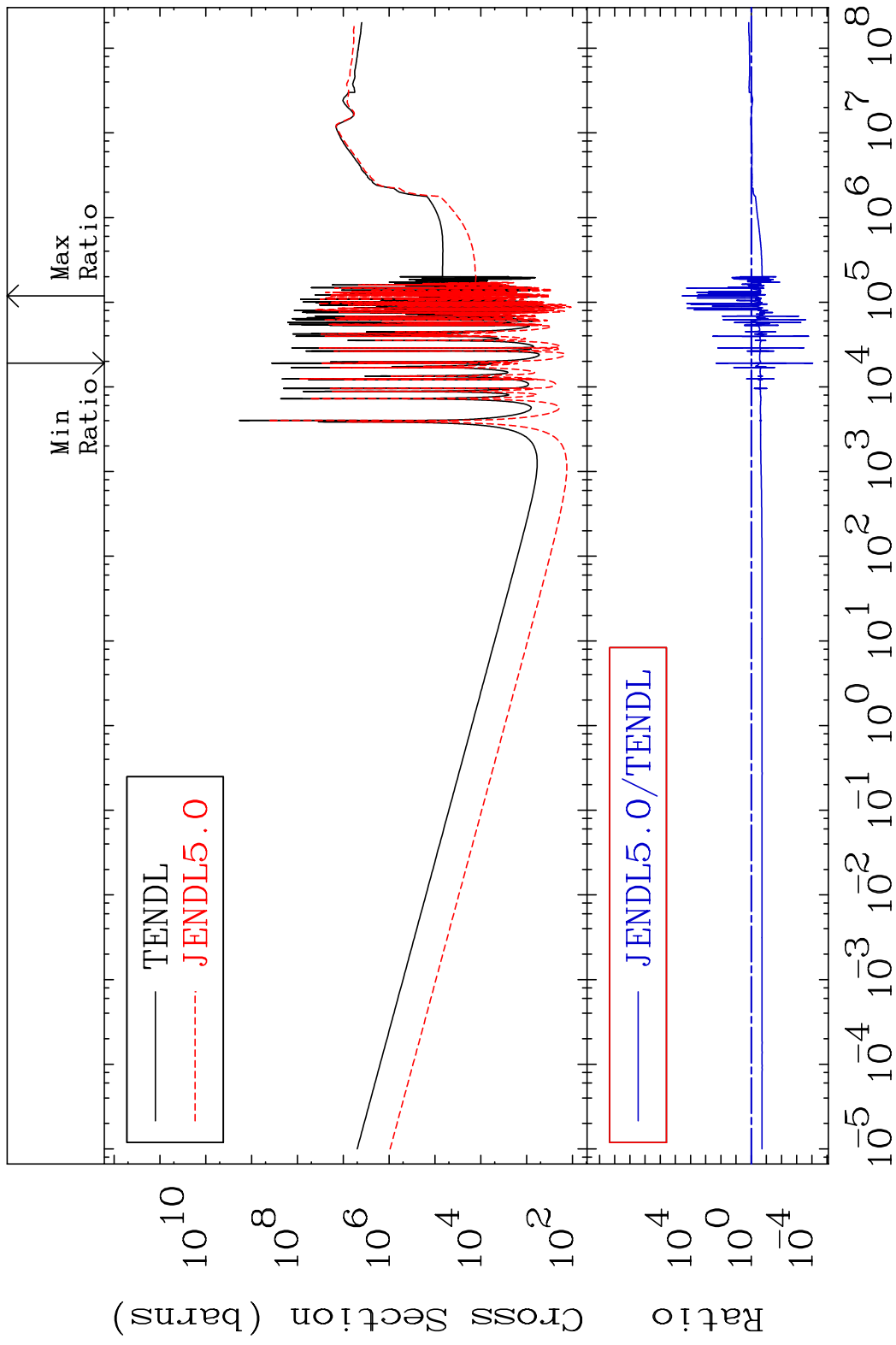


MAT 4025 Kerma capture (mt102) 40-Zr-90  
 Cross Section -100.0 To 9999. %



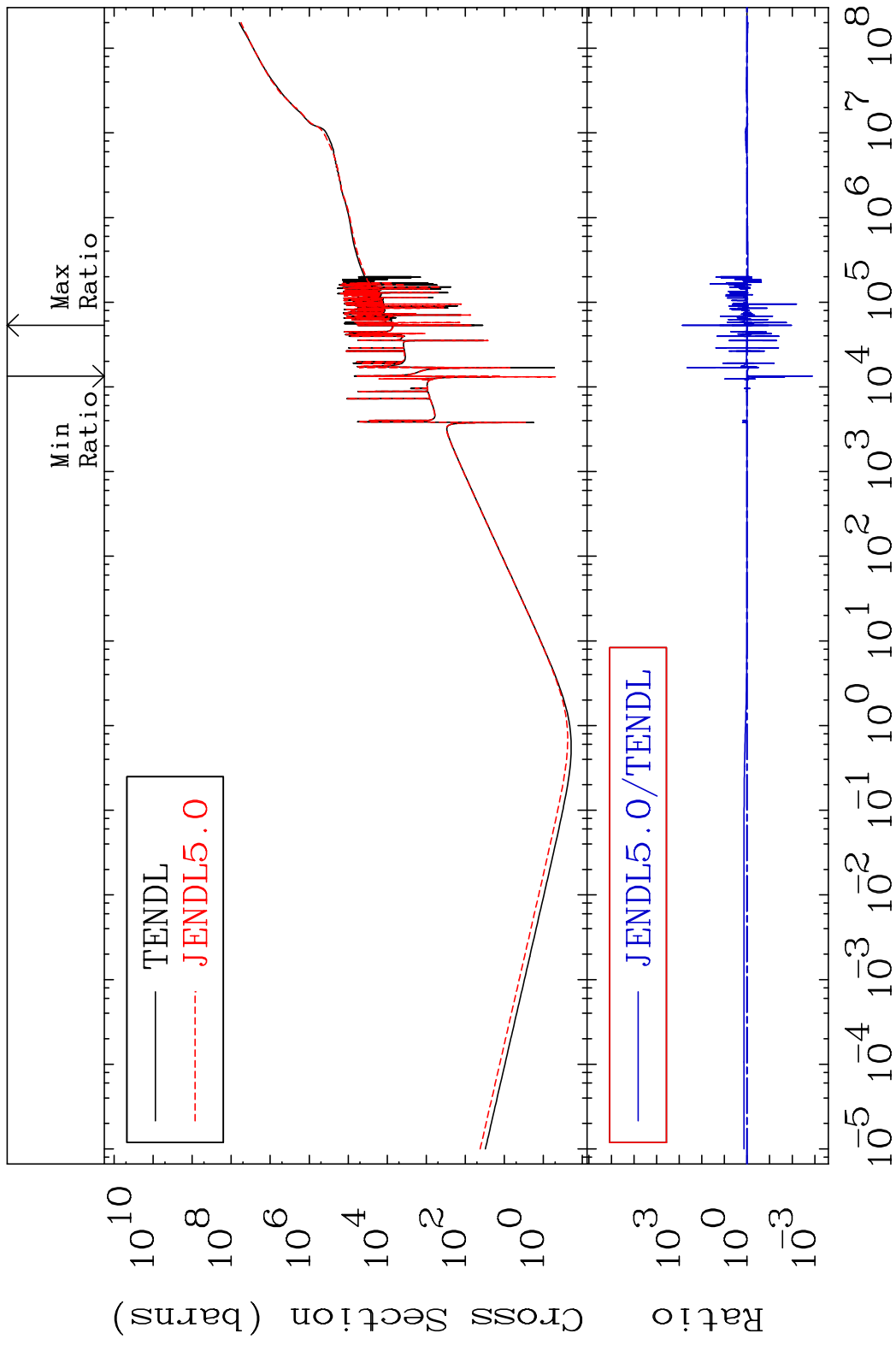
34 Incident Energy (eV) 40-Zr-90

MAT 4025 Total photon (eV-barns) 40-Zr-90  
Cross Section -99.99 To 9999. %

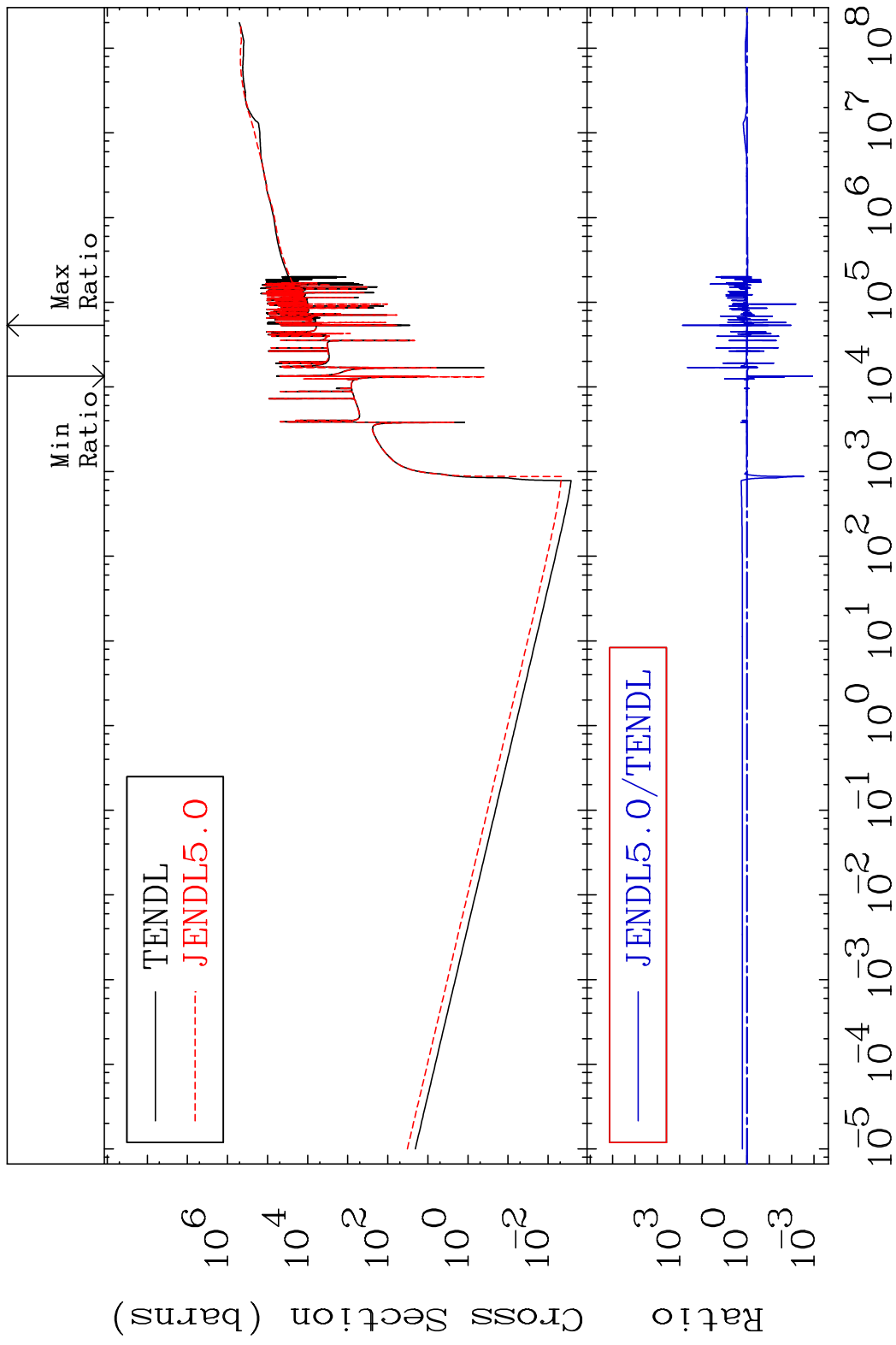


35 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90  
 Cross Section -99.87 To 9999. %



MAT 4025      Dpa total (eV-barns)      40-Zr-90  
 Cross Section      -99.88 To 9999. %



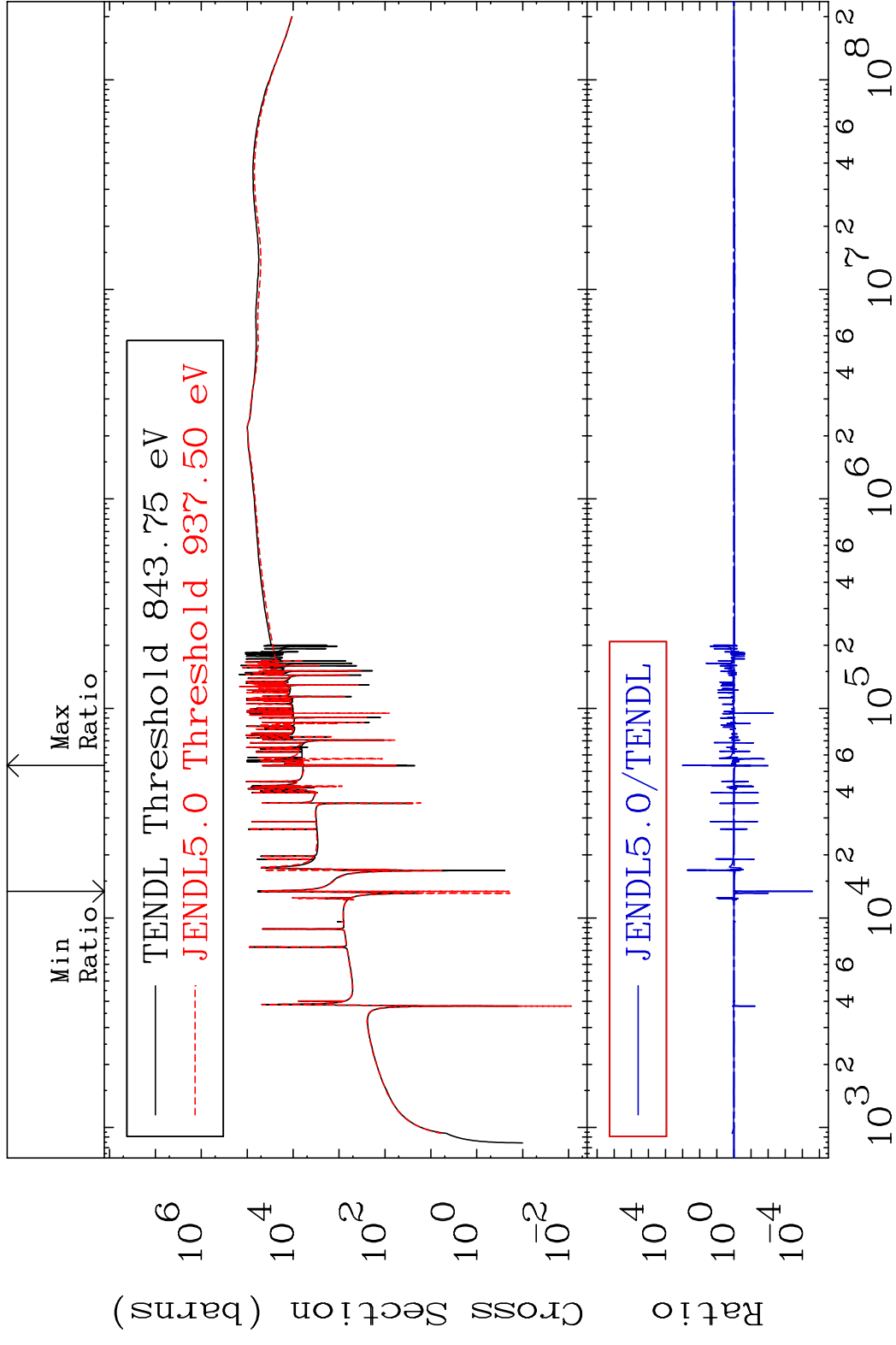
37      Incident Energy (eV)      40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -100.0 To 9999. %

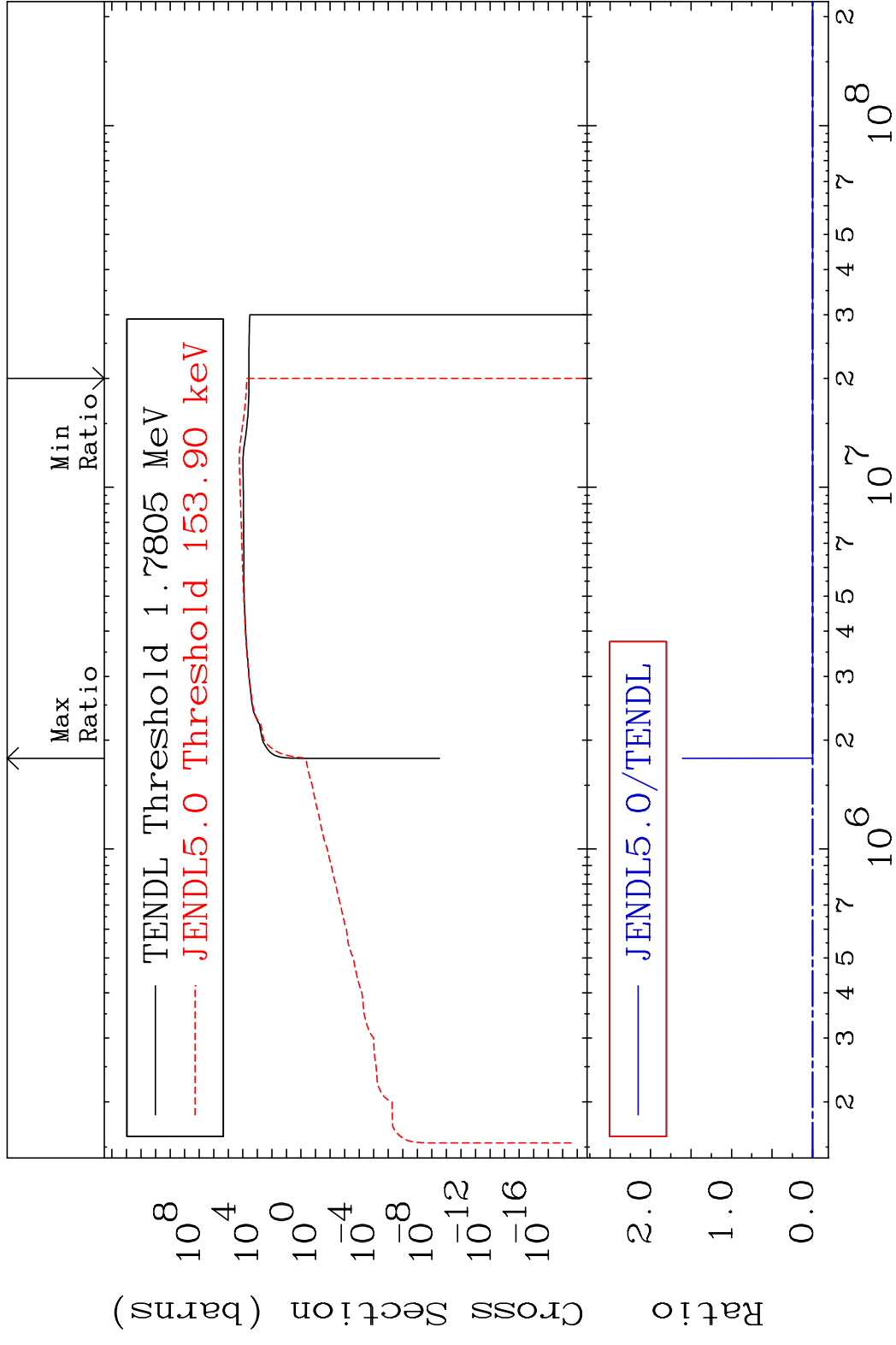


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Incident Energy (eV)

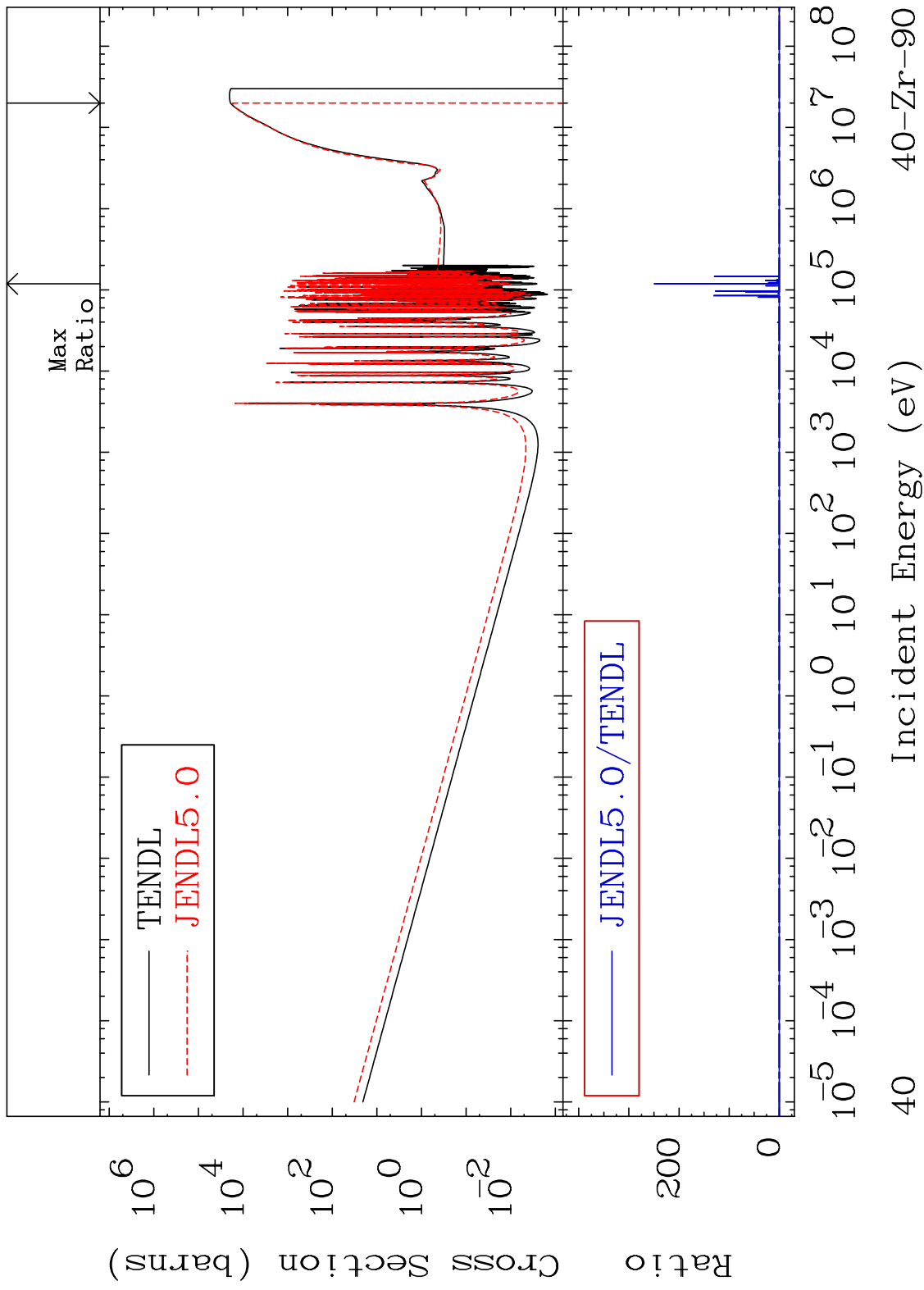
40-Zr-90

MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90  
 Cross Section -100.0 To 9999. %

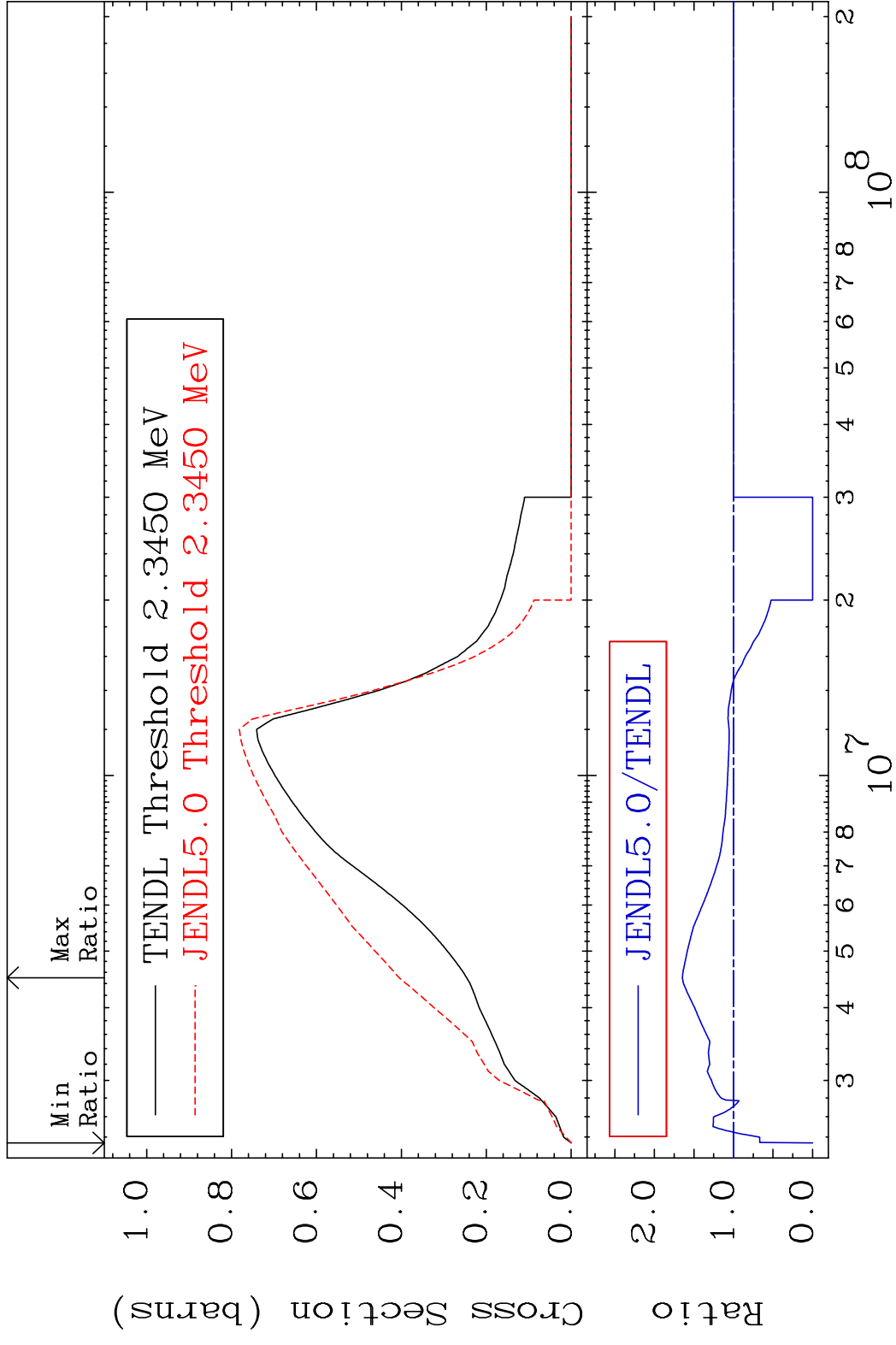




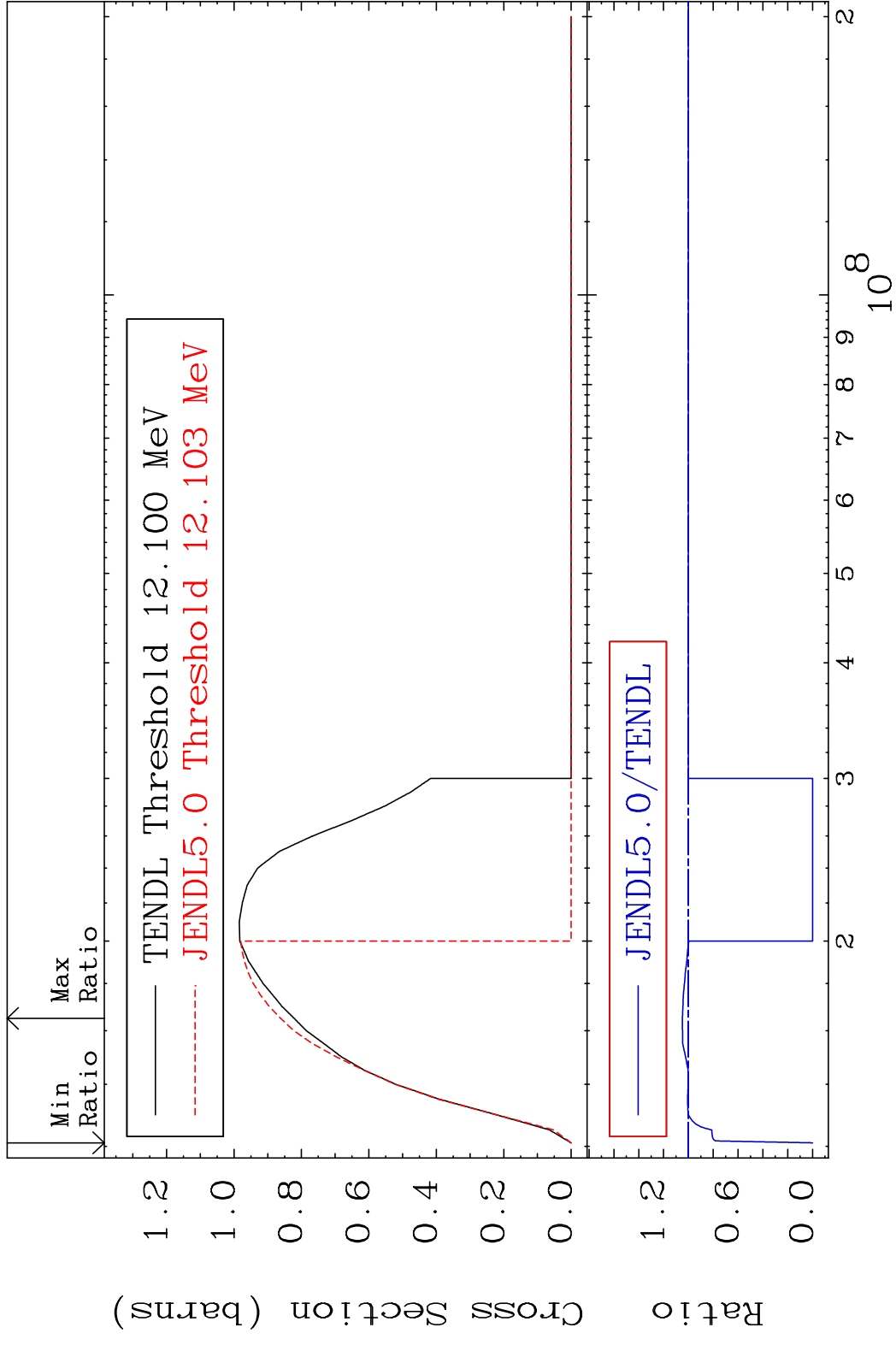
MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90  
 Cross Section -100.0 To 9999. %



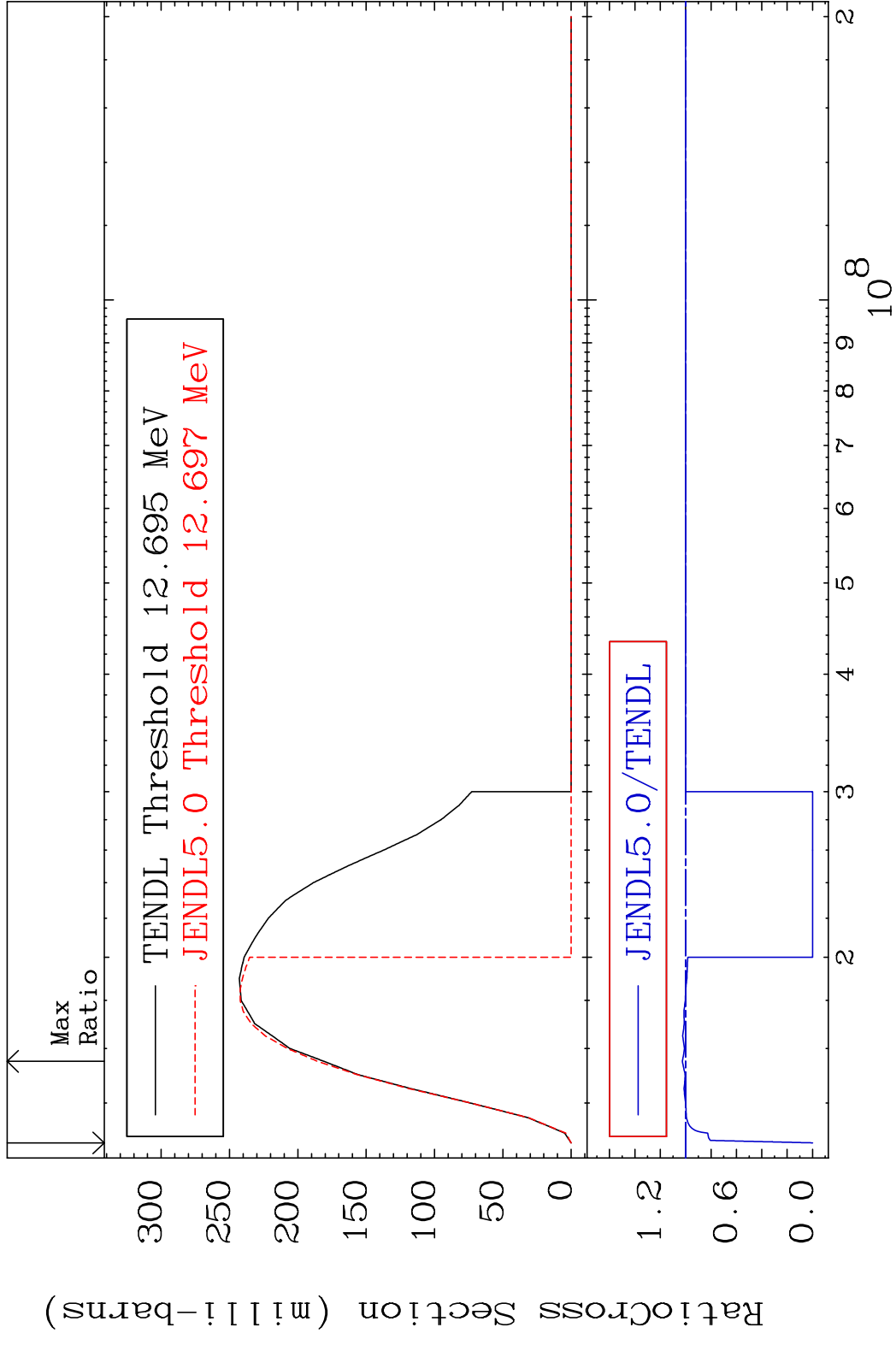
MAT 4025 Inelastic: 40-Zr-90m3 40-Zr-90  
 Radionuclide Production Cross Section 180.01 dno 64.61 %



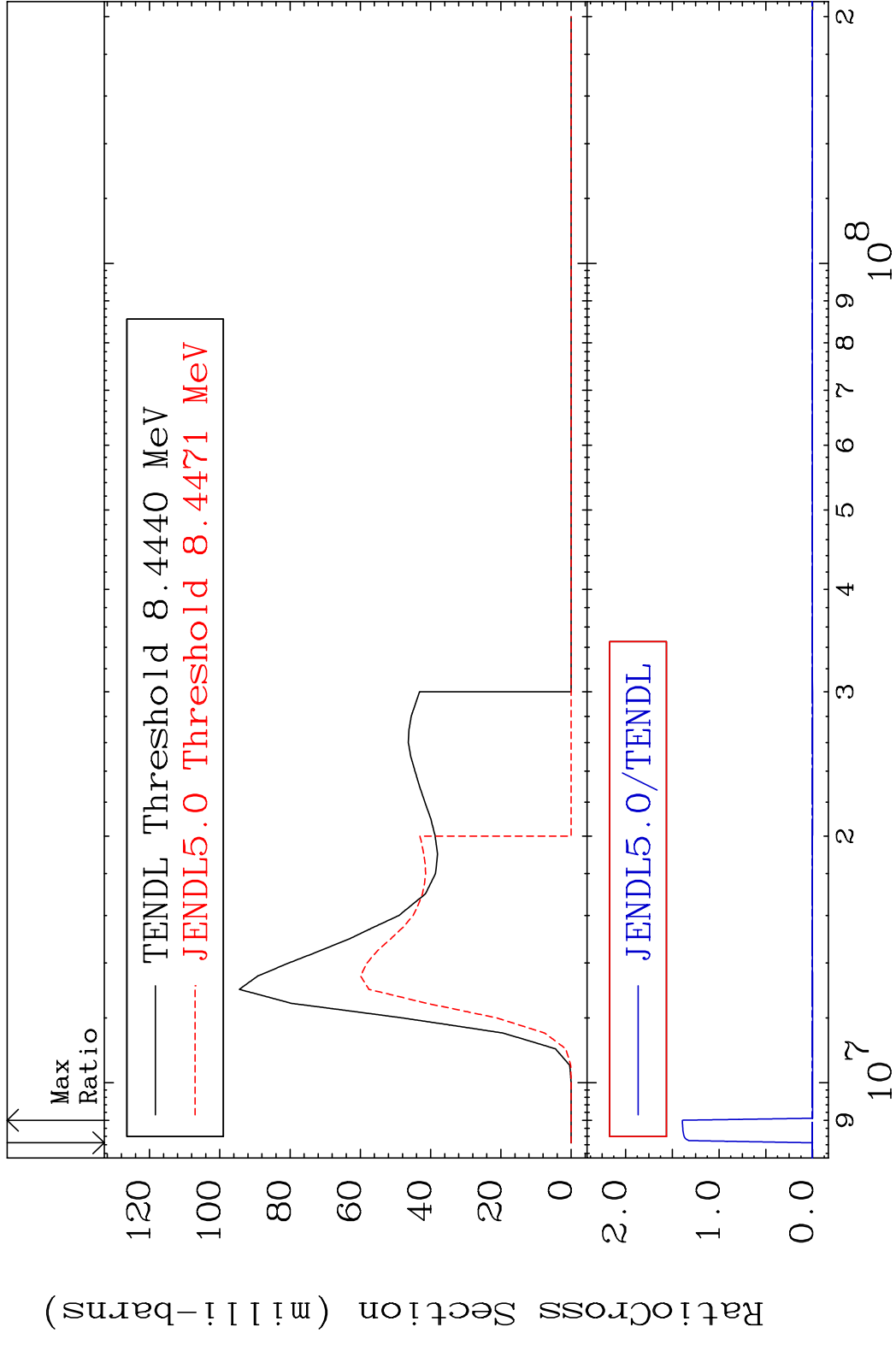
MAT 4025 (n,2n):40-Zr-89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 4.870 %



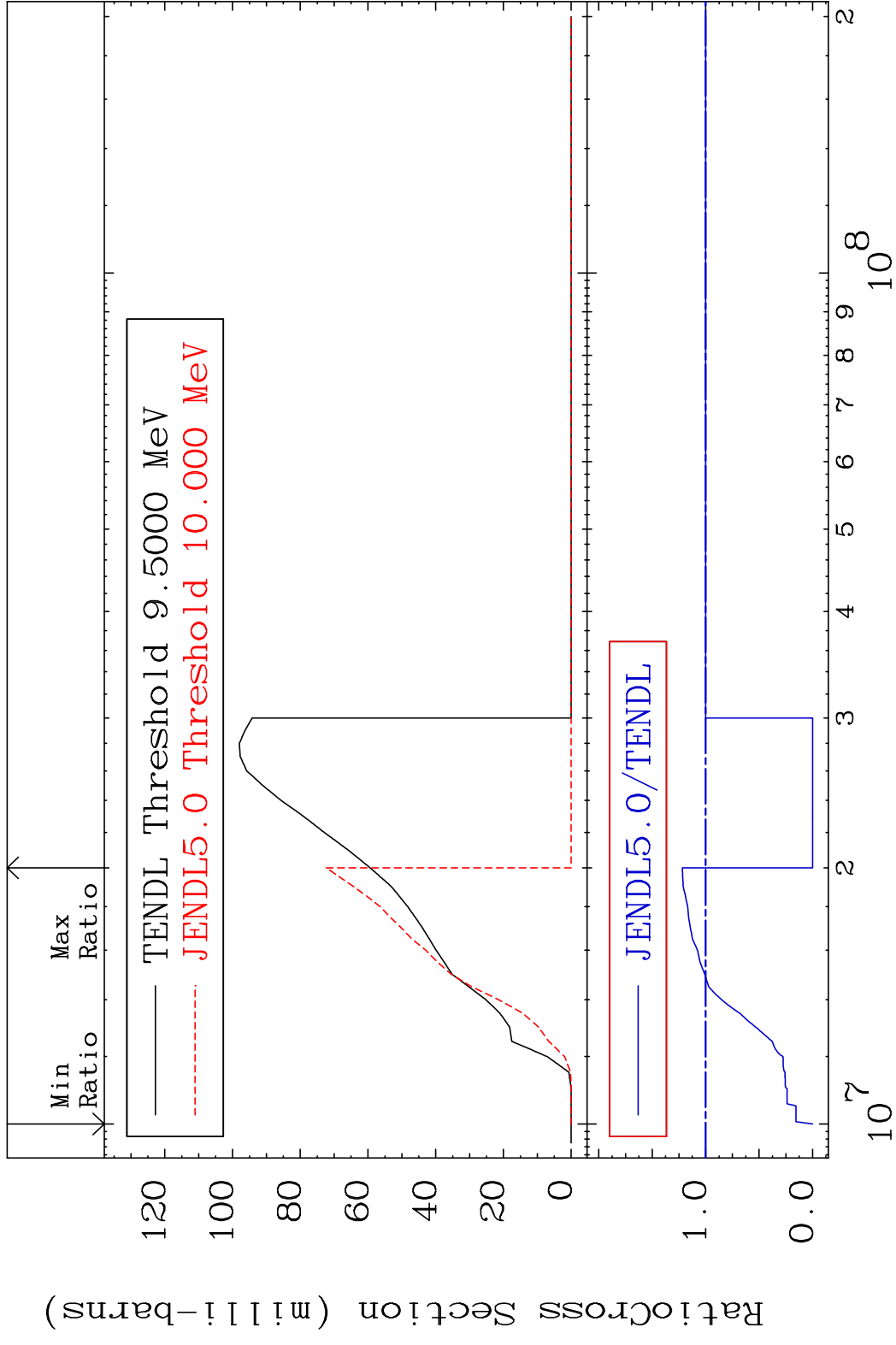
MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90  
 Radionuclide Production Cross Section Ratio 2.593 %



MAT 4025 (n, n') p:39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section 1800.0 dth 9999. %

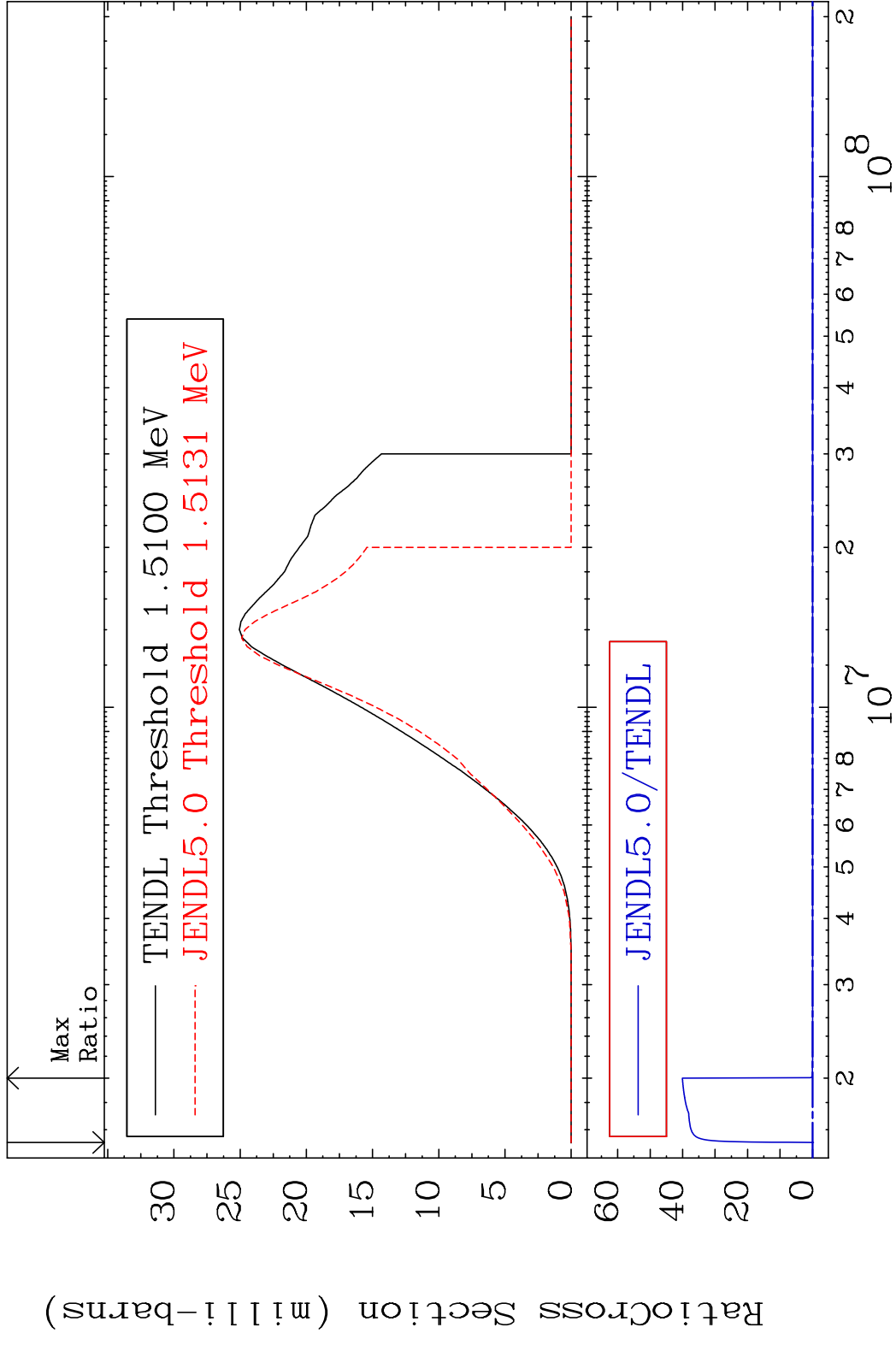


MAT 4025 (n, n') p:39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section 180.01 dth 21.81 %

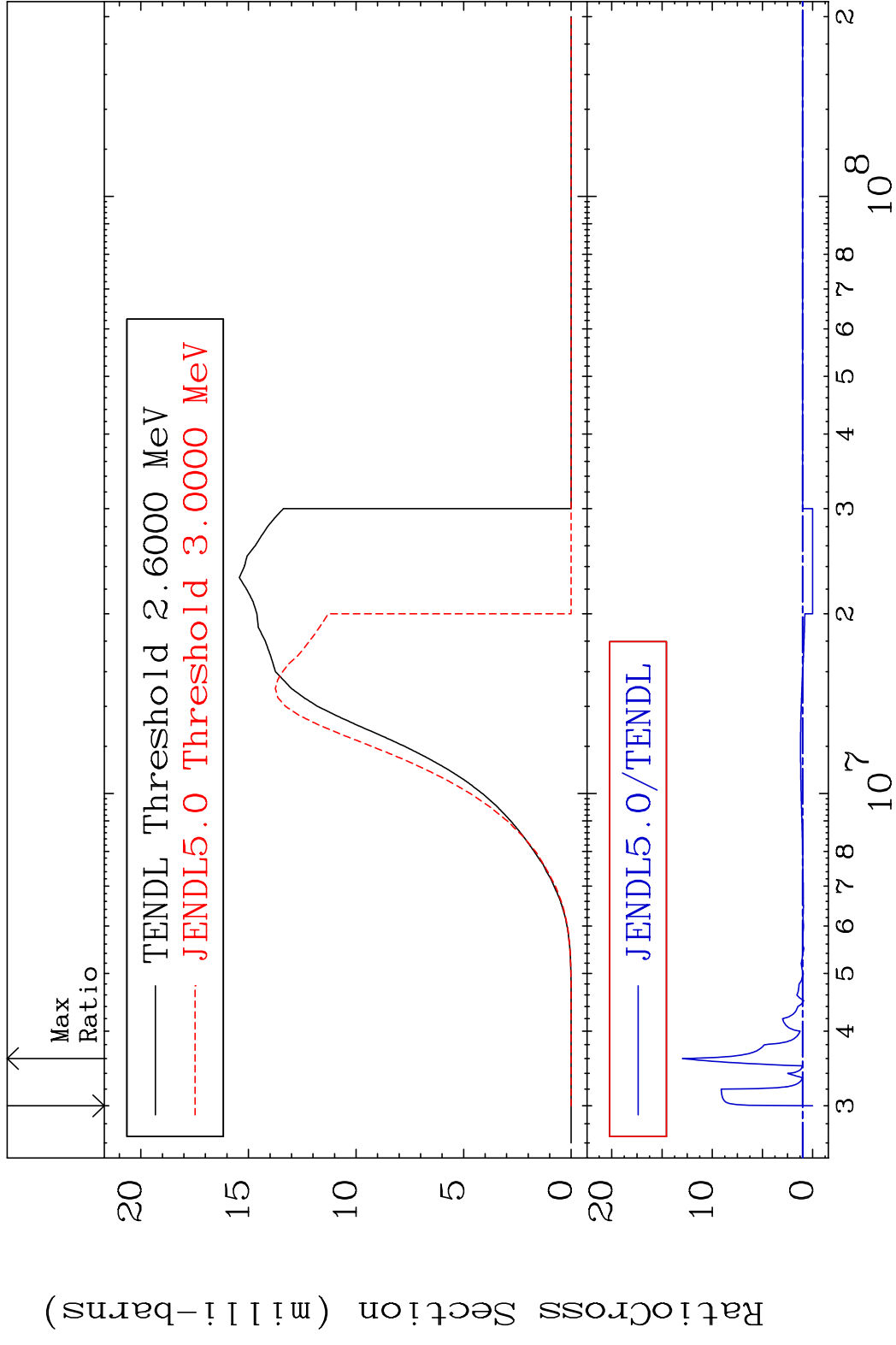


45 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,p):39-Y -90g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %



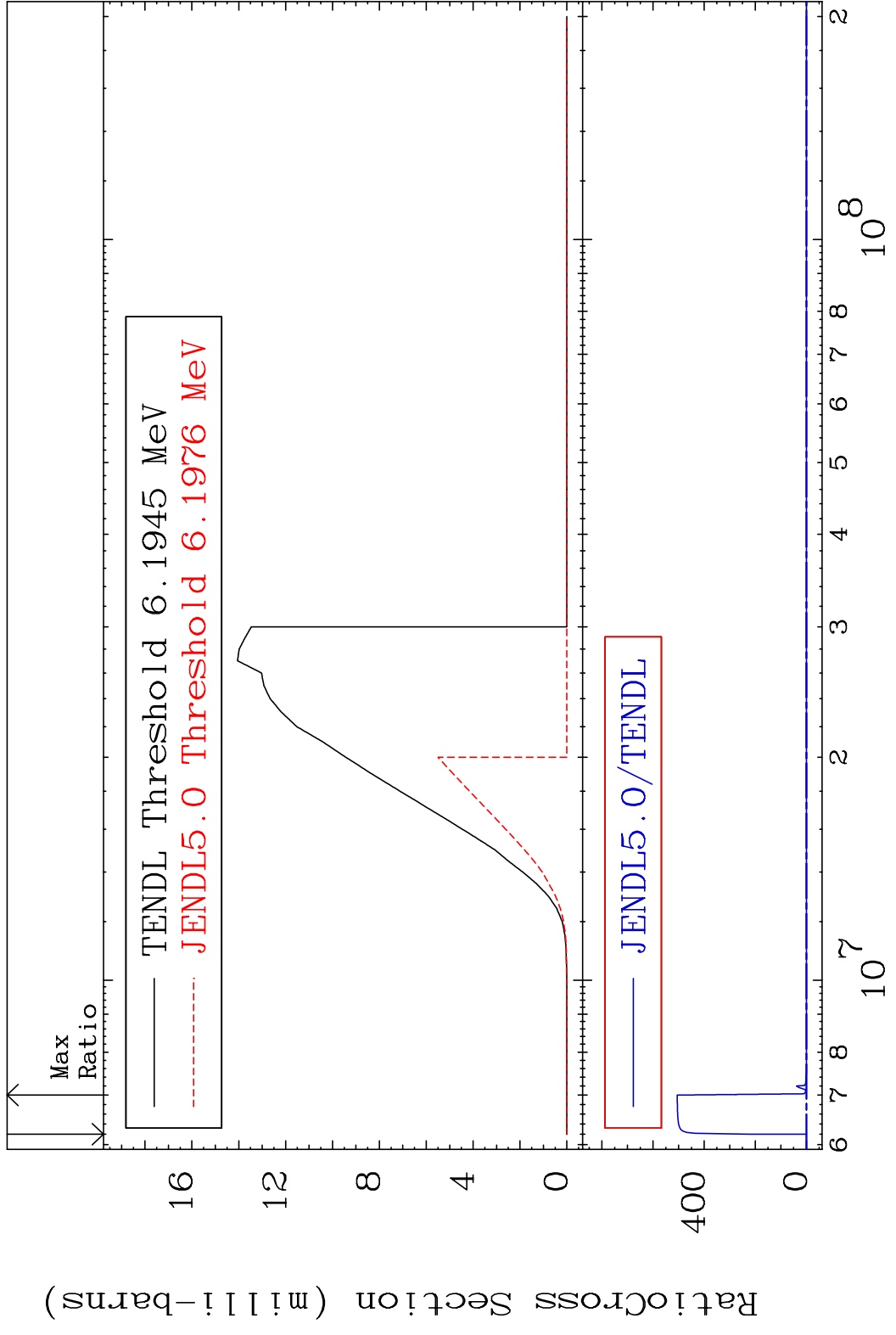
MAT 4025 (n,p):39-Y -90m2 40-Zr-90  
 Radionuclide Production Cross Section 180.0 dth 1197. %



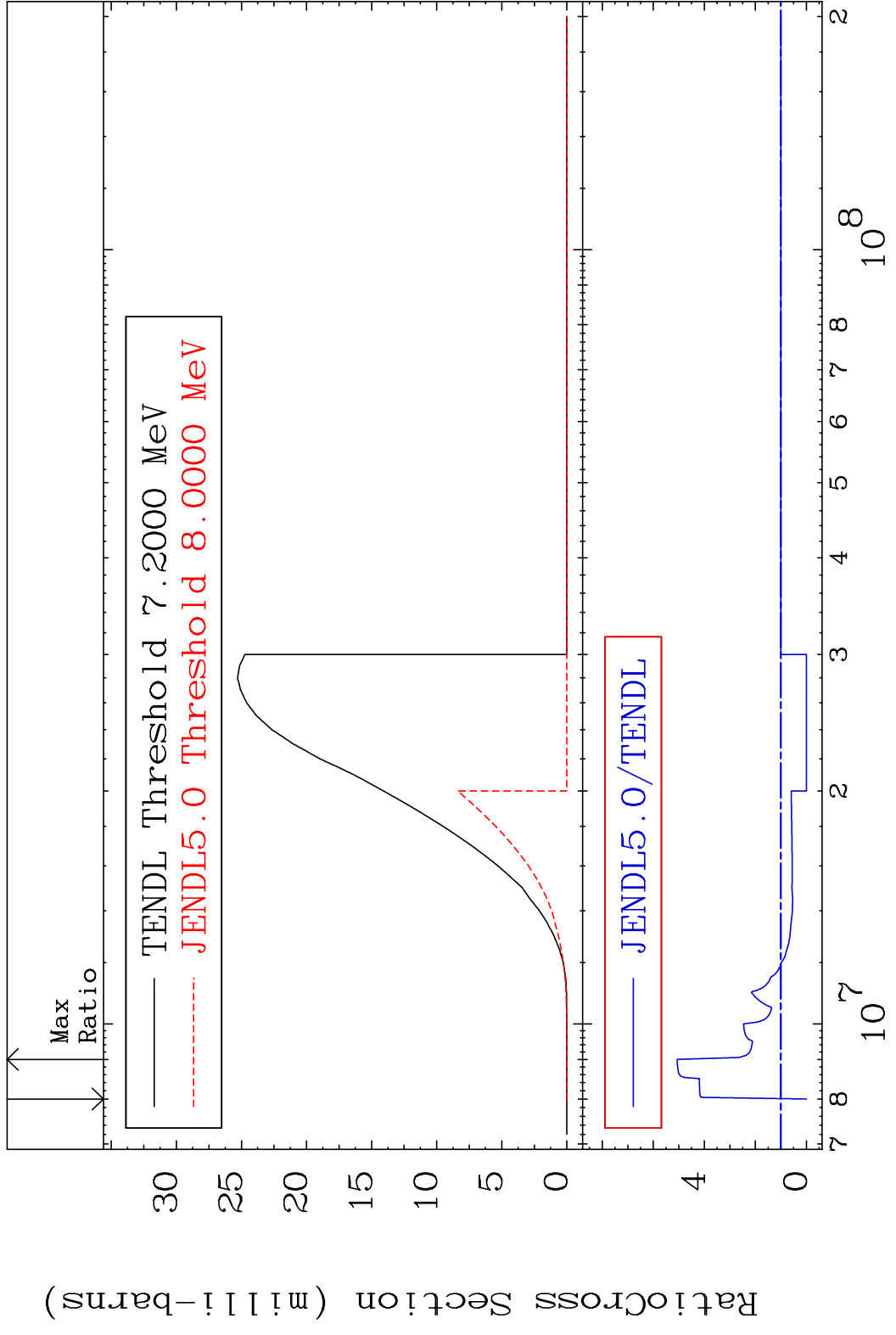
47 40-Zr-90



MAT 4025 (n,d):39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4025 (n,d):39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section 180.0 mb 406.4 %



49 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,p)  $\alpha$ :37-Rb-86g 40-Zr-90  
 Radionuclide Production Cross Section (%) 9999. %

