

Program Complot  
(Version 2018-1)

by

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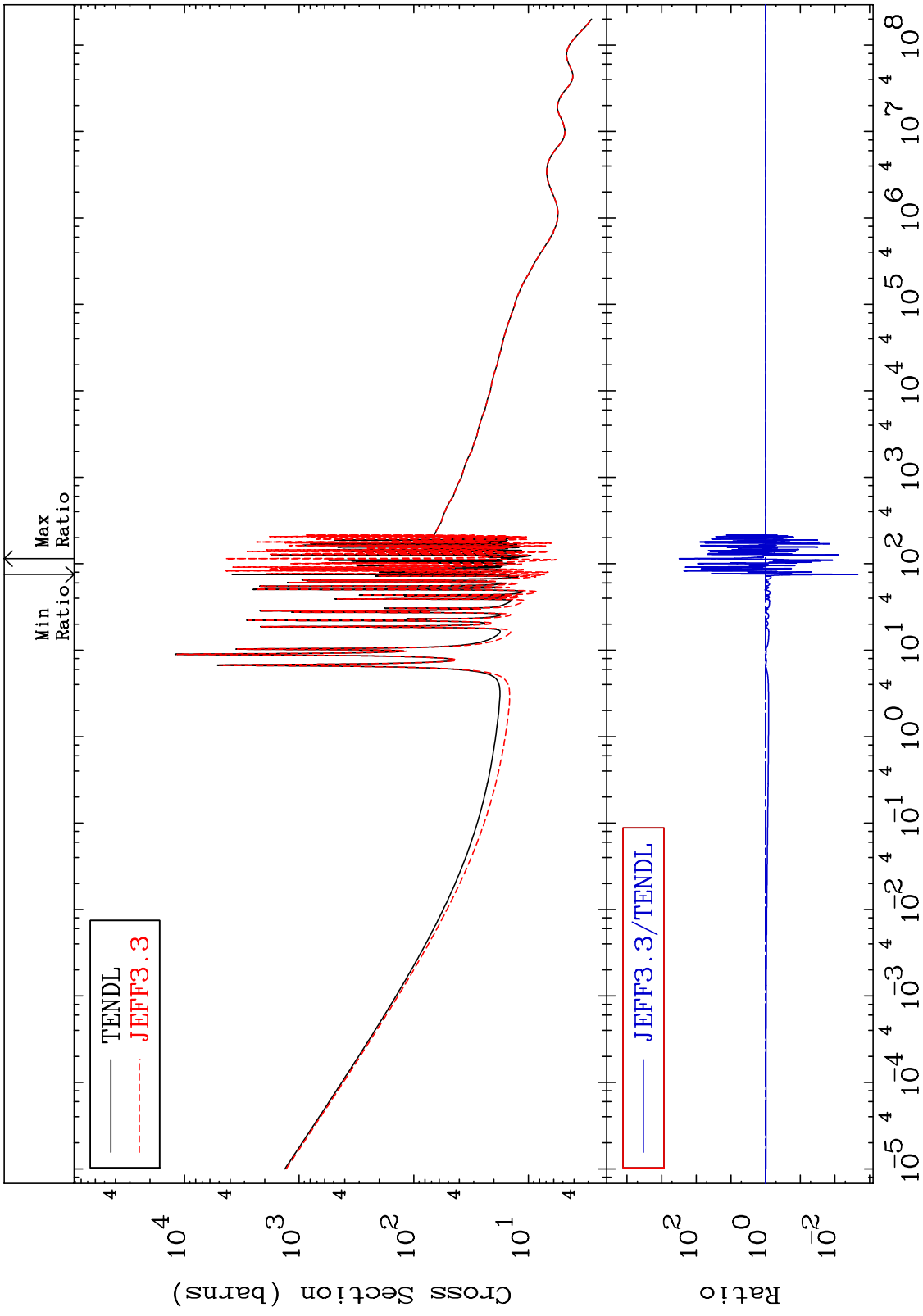
U.S.A.

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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

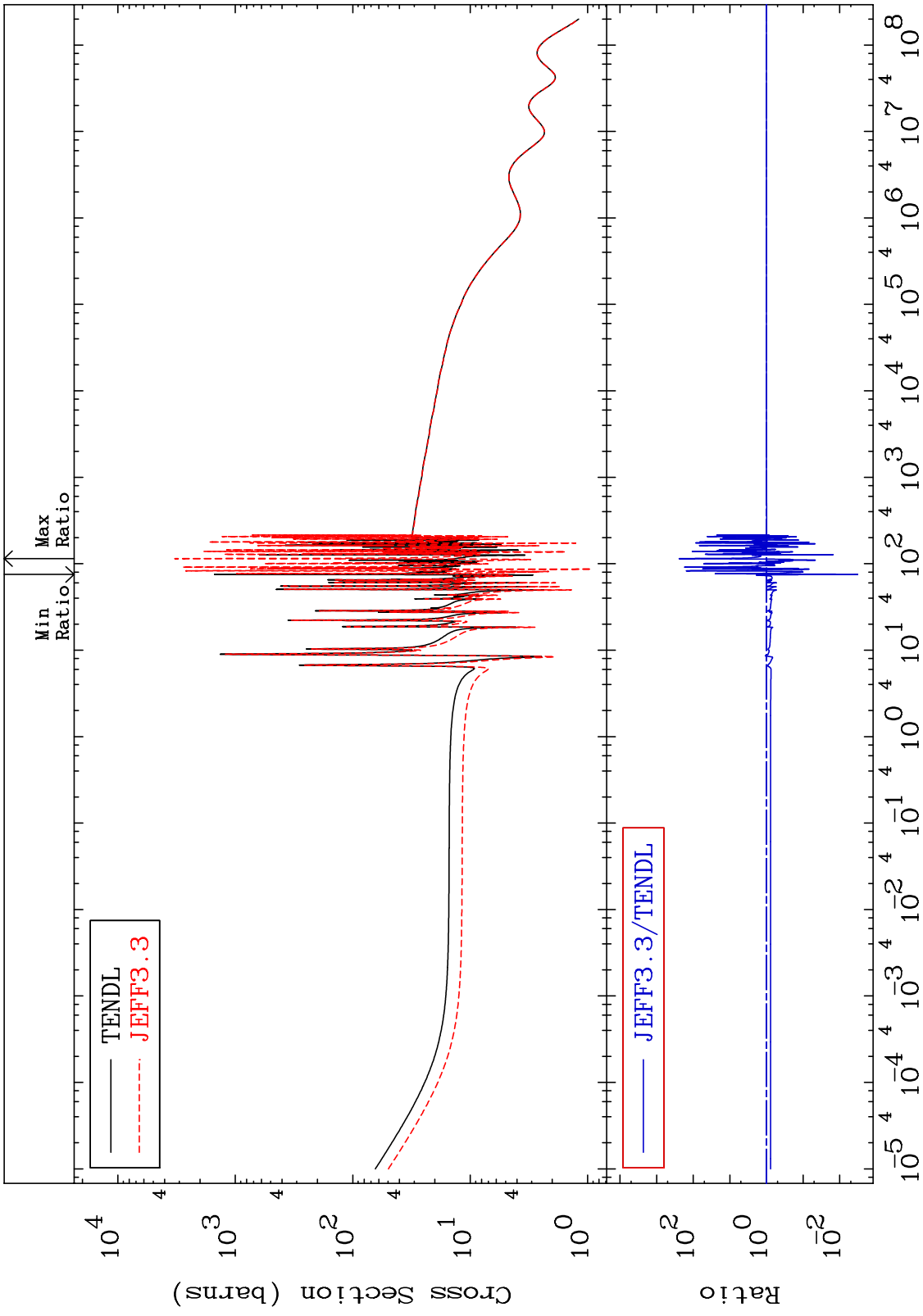
Press Mouse Button to Start

MAT 7640 Total Cross Section 76-0s-189  
-99.78 To 9999. %



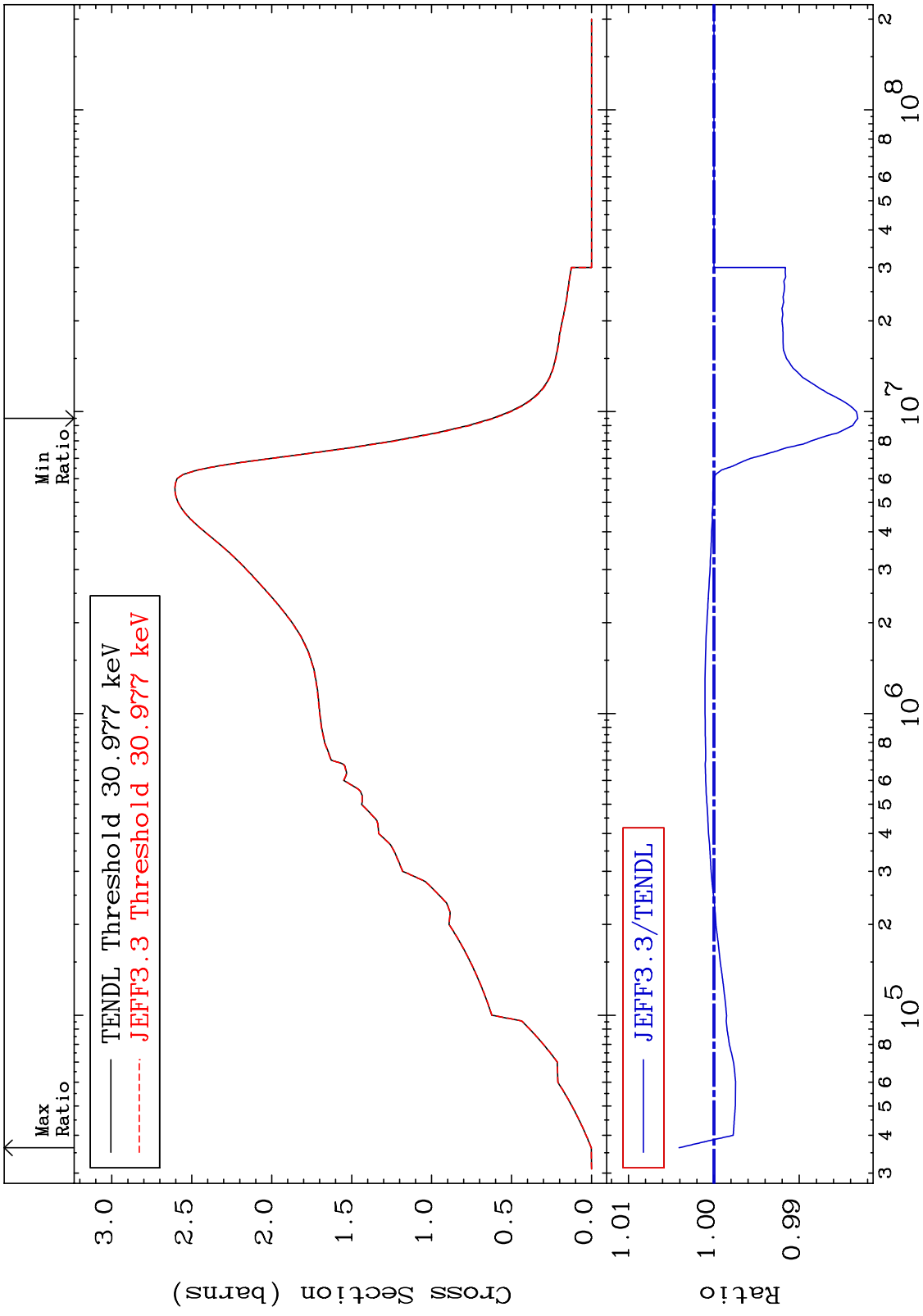
Incident Energy (eV) 76-0s-189

MAT 7640 Elastic Cross Section 76-0s-189  
-99.68 To 9999. %

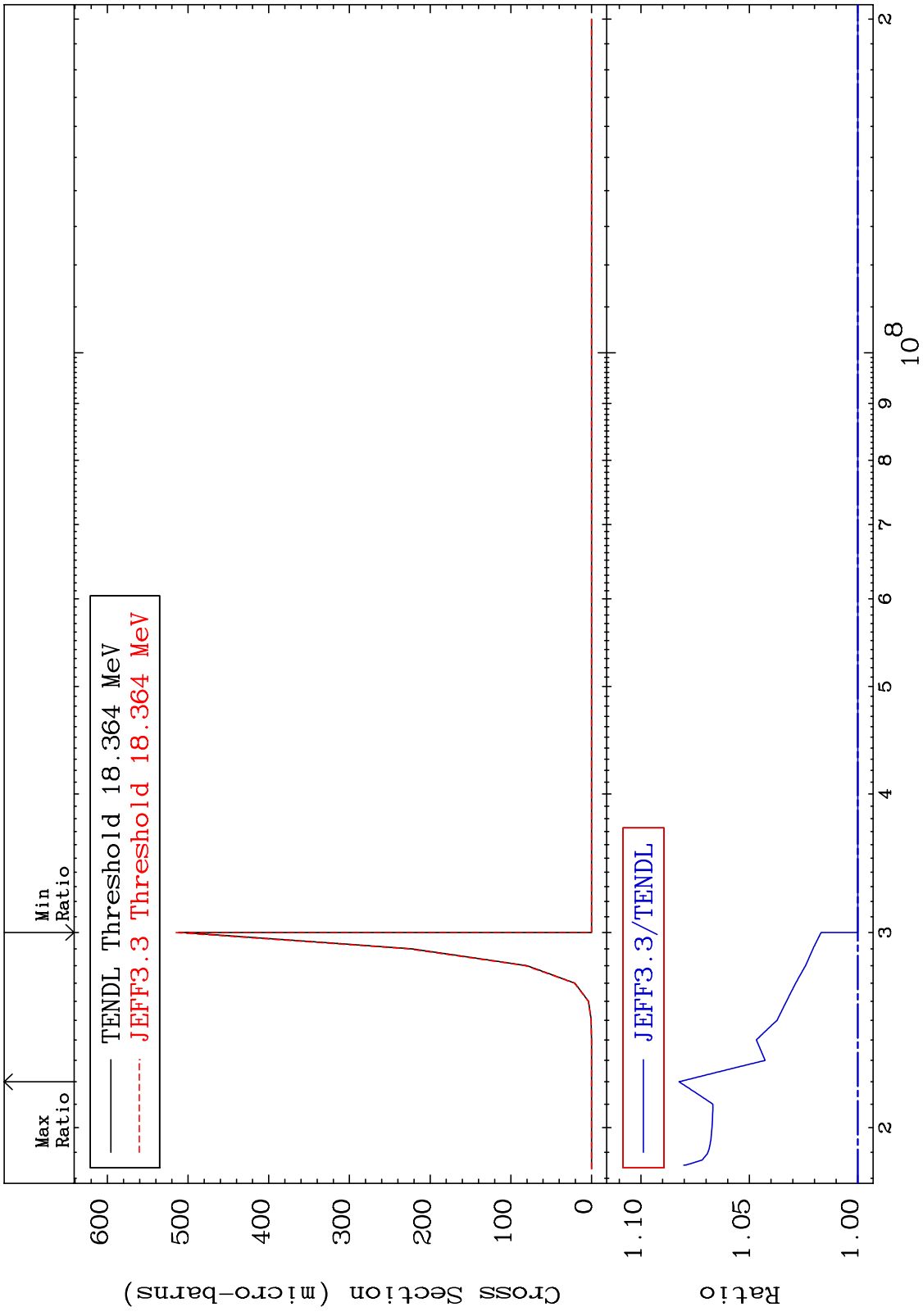


2 76-0s-189

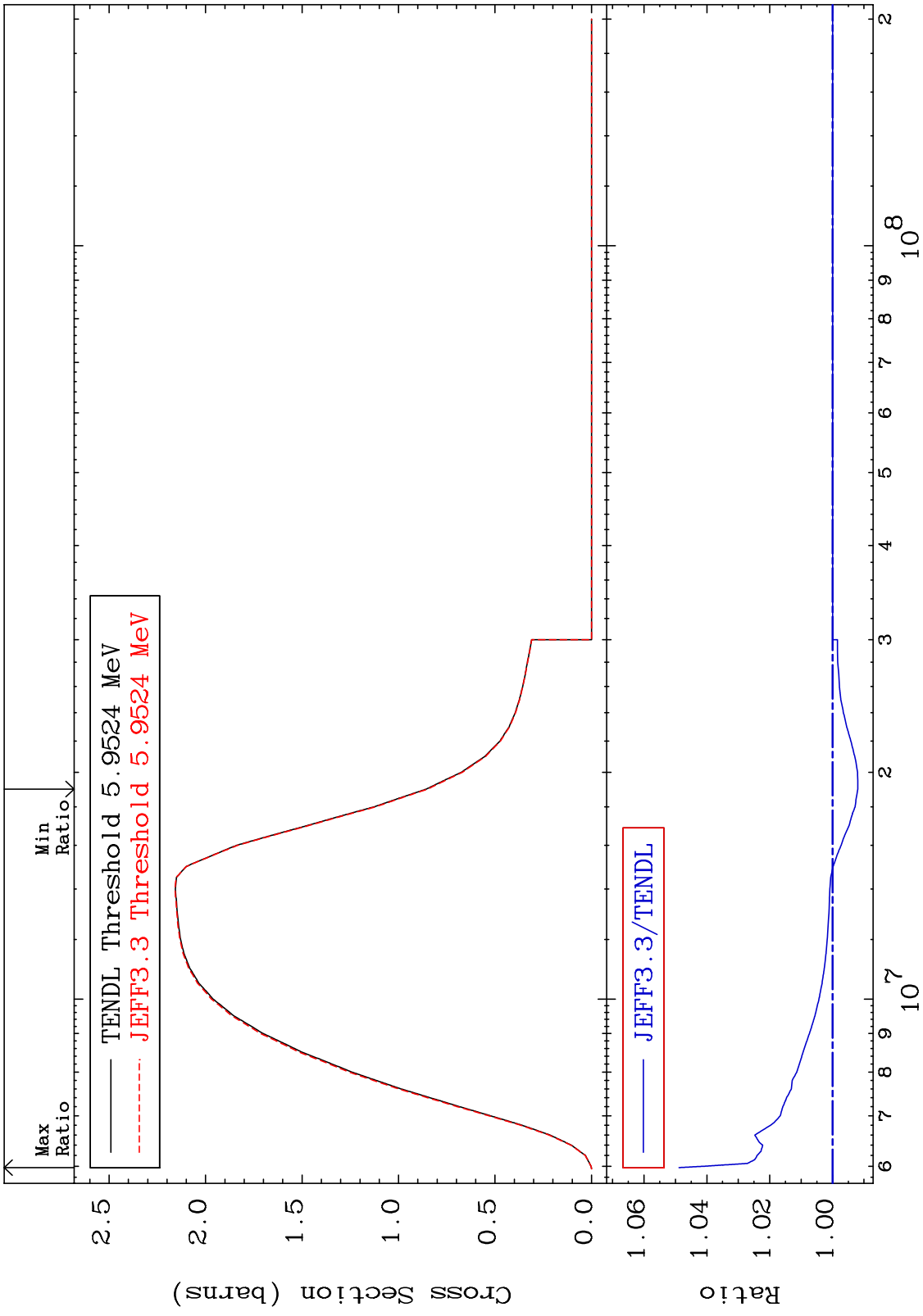
MAT 7640 Inelastic Cross Section 76-Os-189  
 -1.686 To 0.408 %



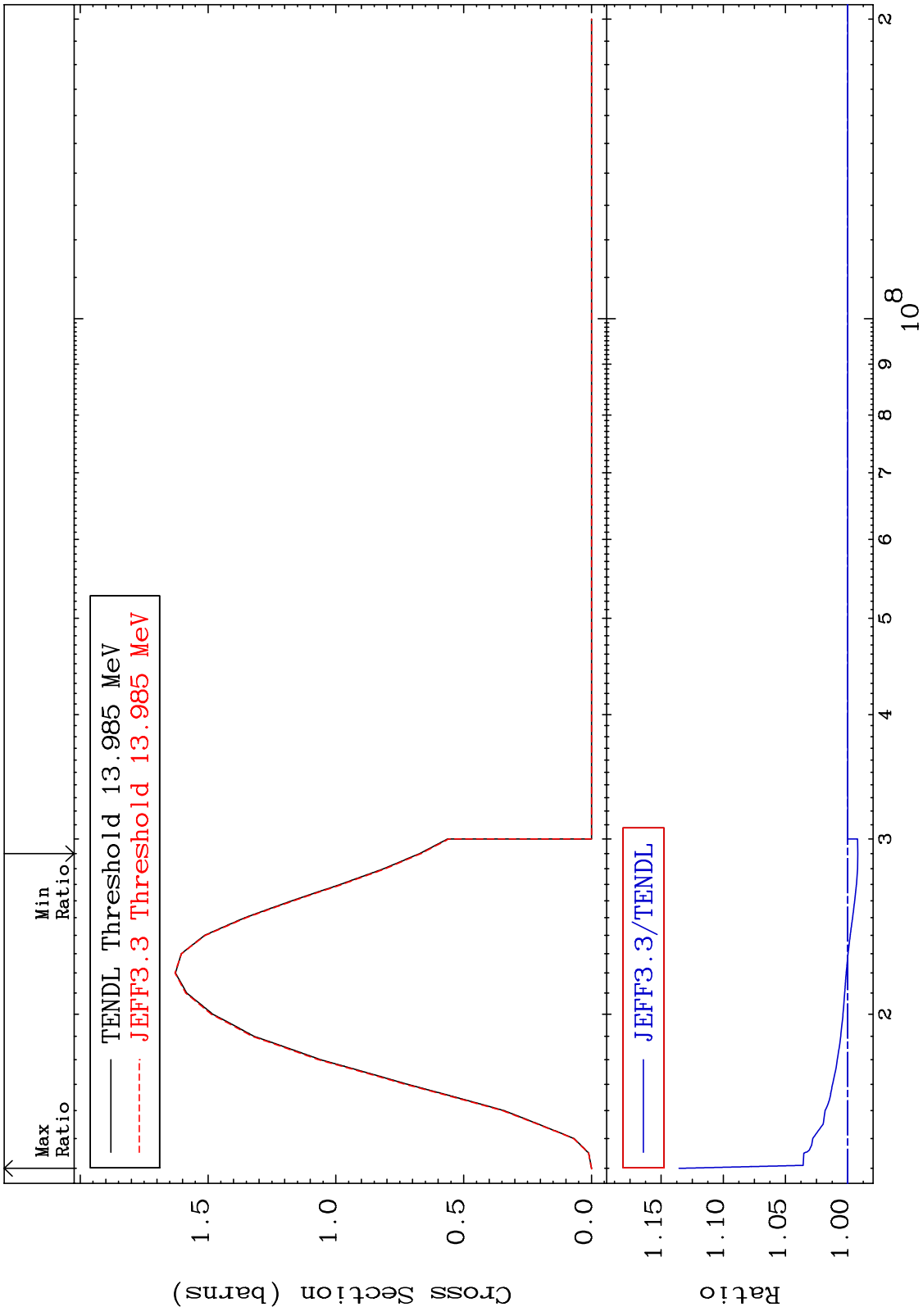
MAT 7640 (n,2n) d 76-0s-189  
 Cross Section 0.000 To 8.242 %



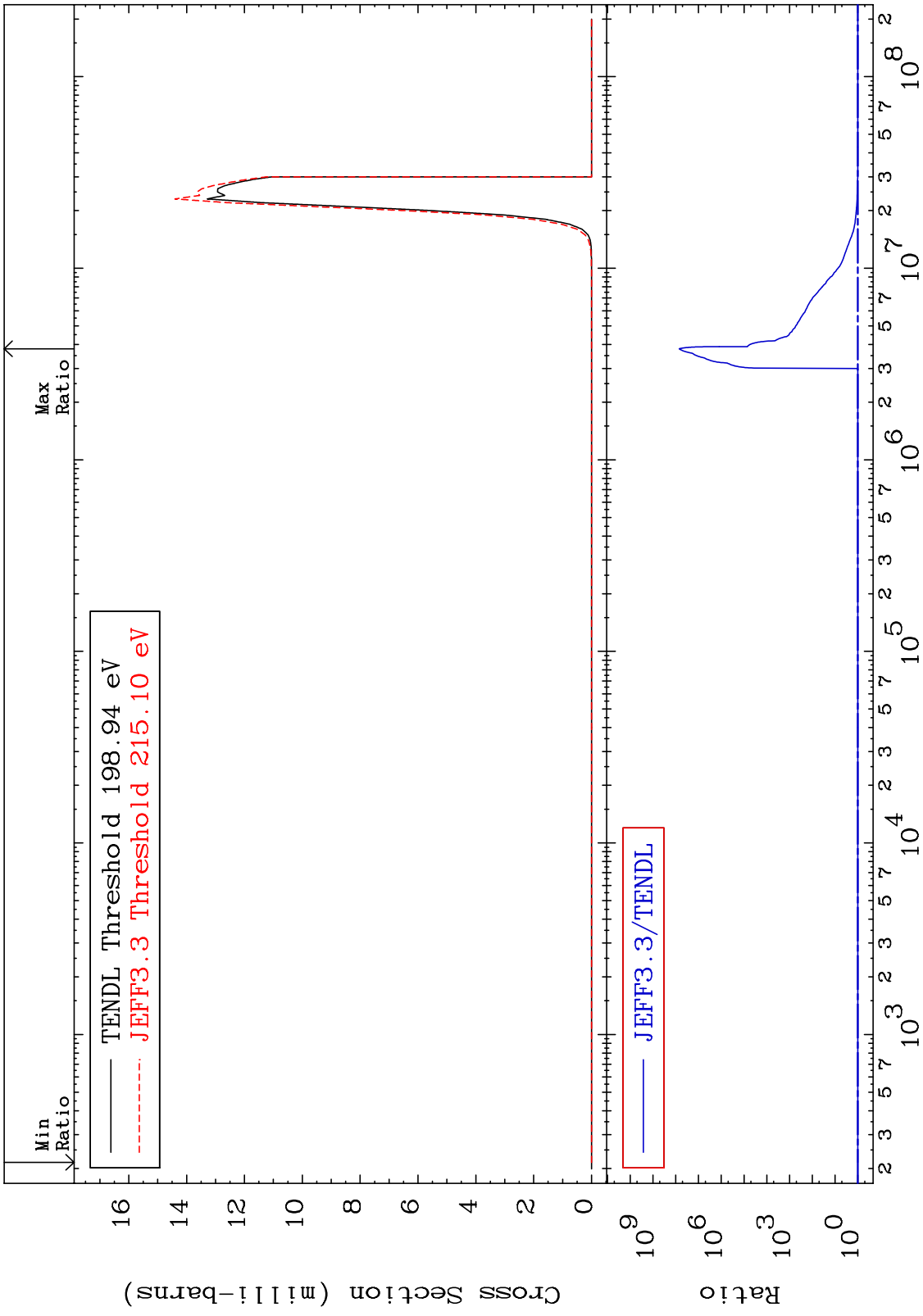
MAT 7640 (n,2n) Cross Section 76-0s-189  
-0.804 To 4.885 %



MAT 7640 (n,3n) Cross Section 76-0s-189  
 -0.819 To 13.56 %

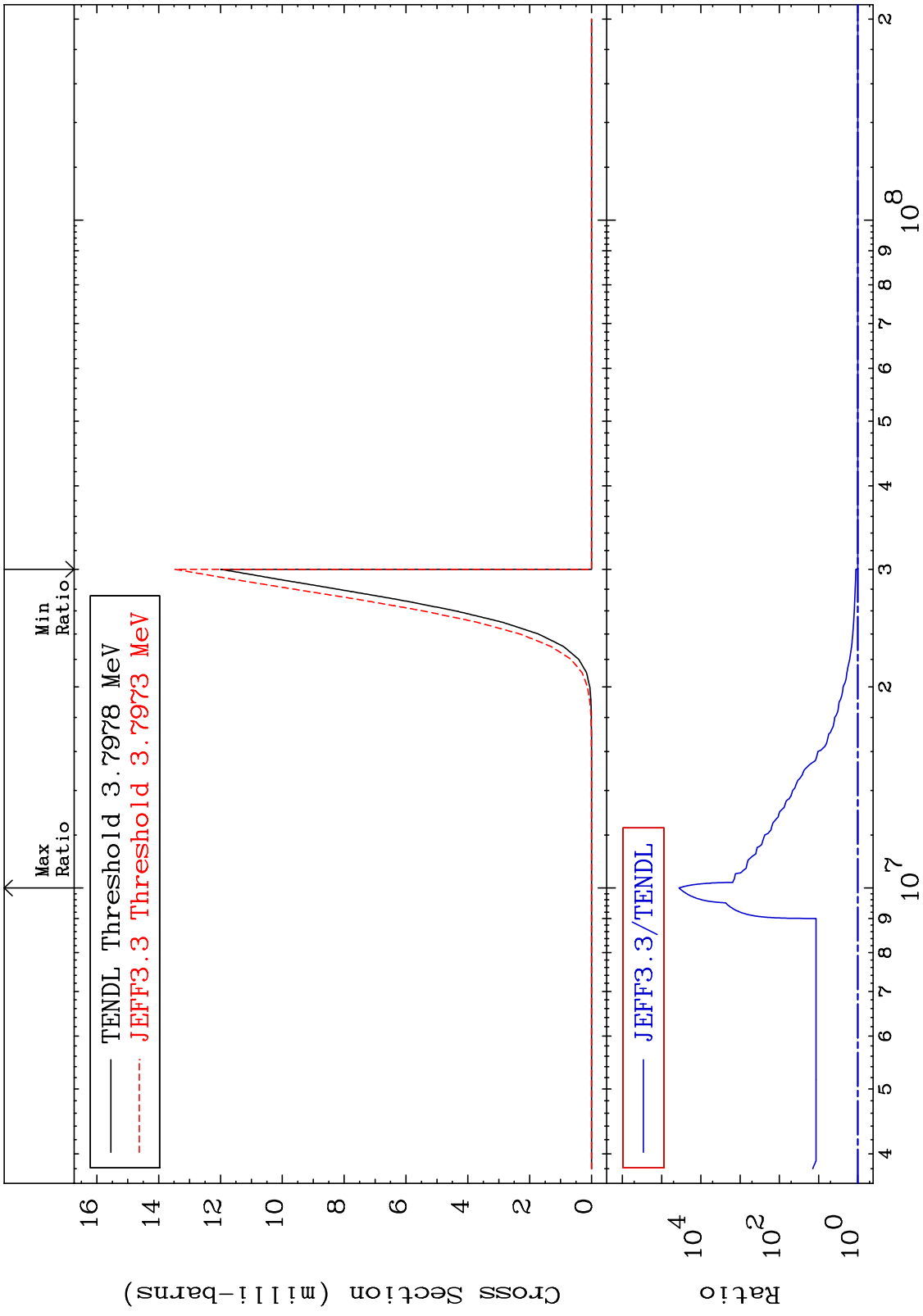


MAT 7640  $(n, n') \alpha$  Cross Section 76-Os-189 To 9999. %

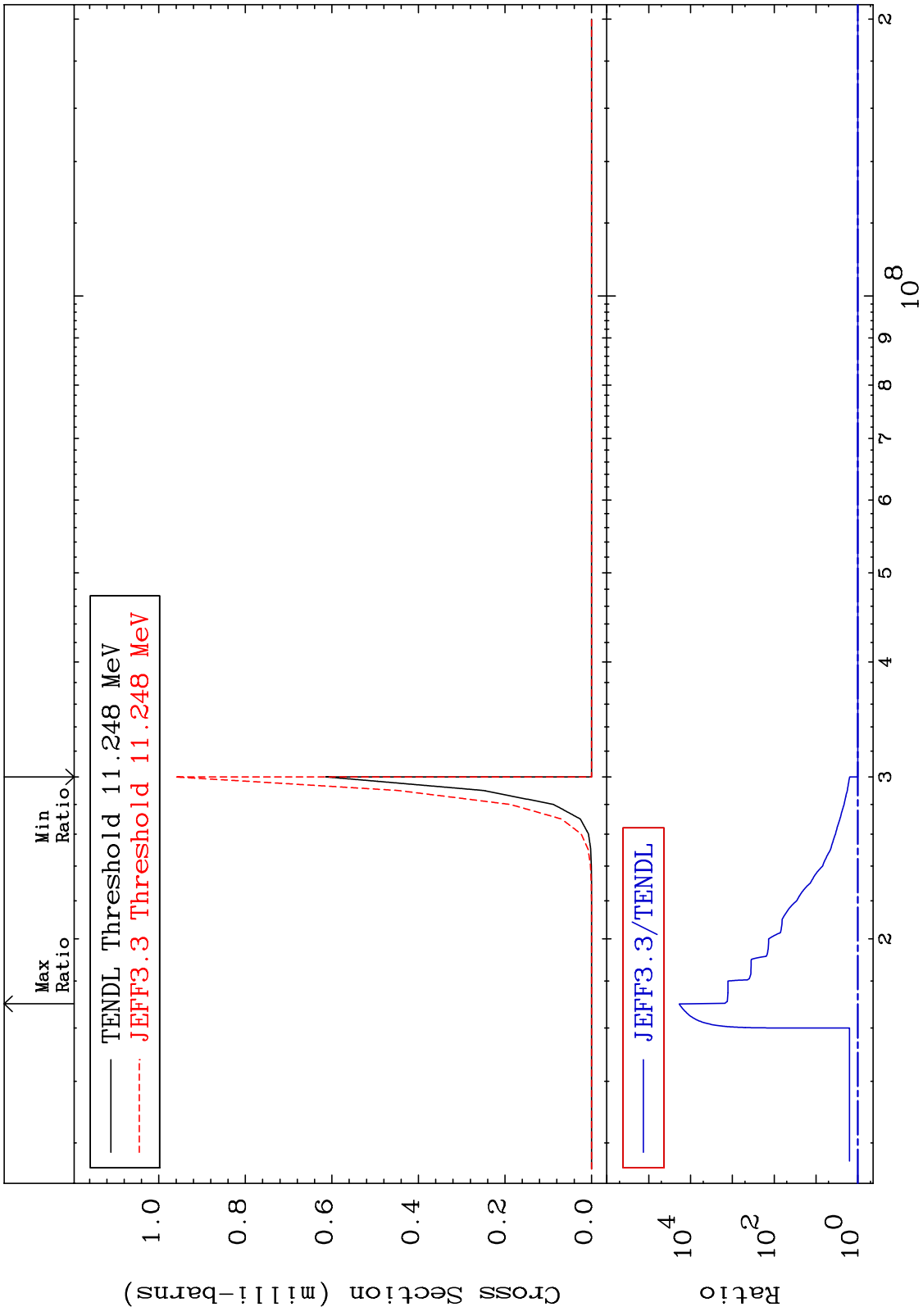




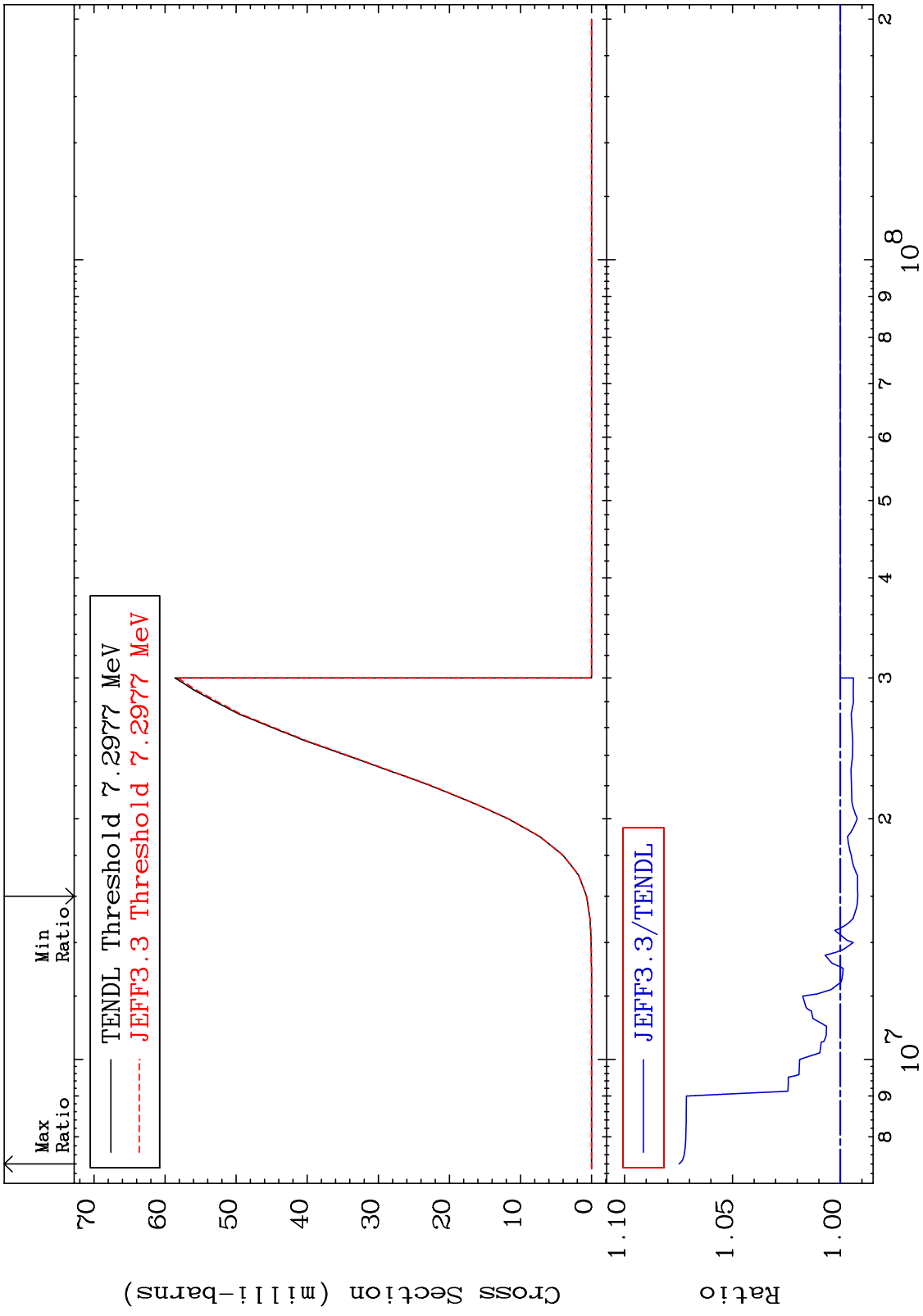
MAT 7640 (n,2n)  $\alpha$  76-Os-189  
 Cross Section 0.000 To 9999. %



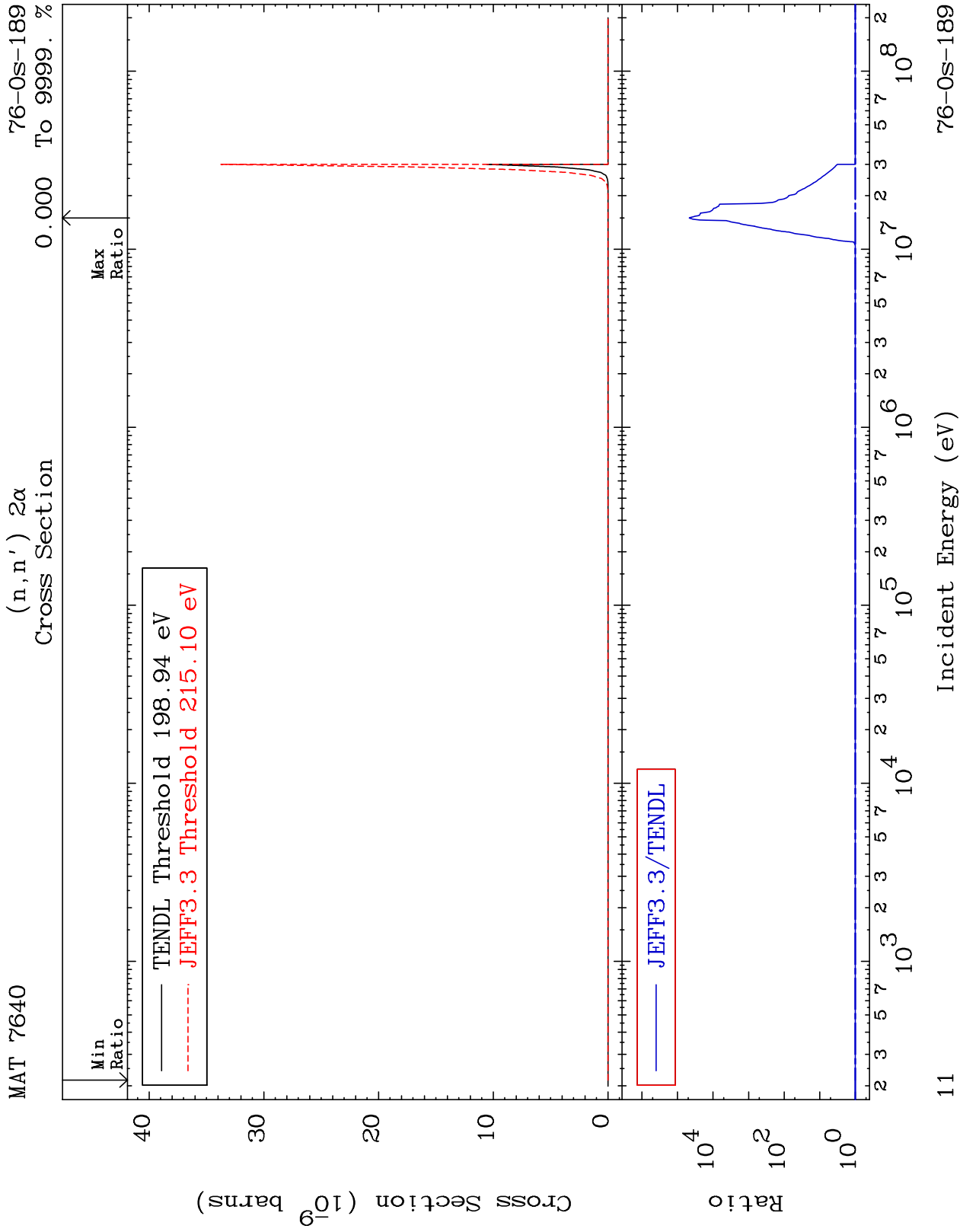
MAT 7640  $(n, 3n) \alpha$  76-Os-189  
 Cross Section 0.000 To 9999. %



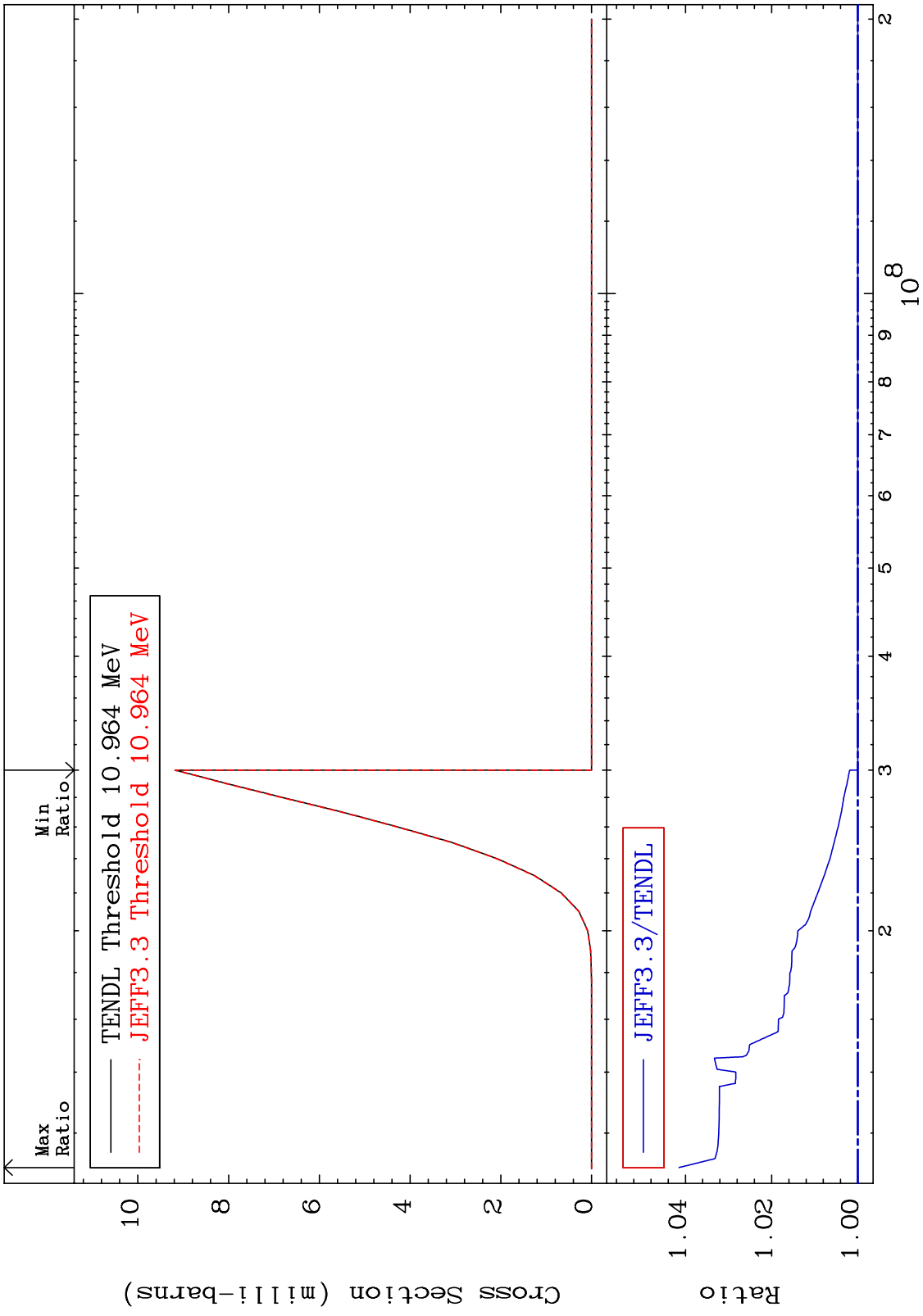
MAT 7640 (n,n') p 76-0s-189  
 Cross Section -0.810 To 7.478 %



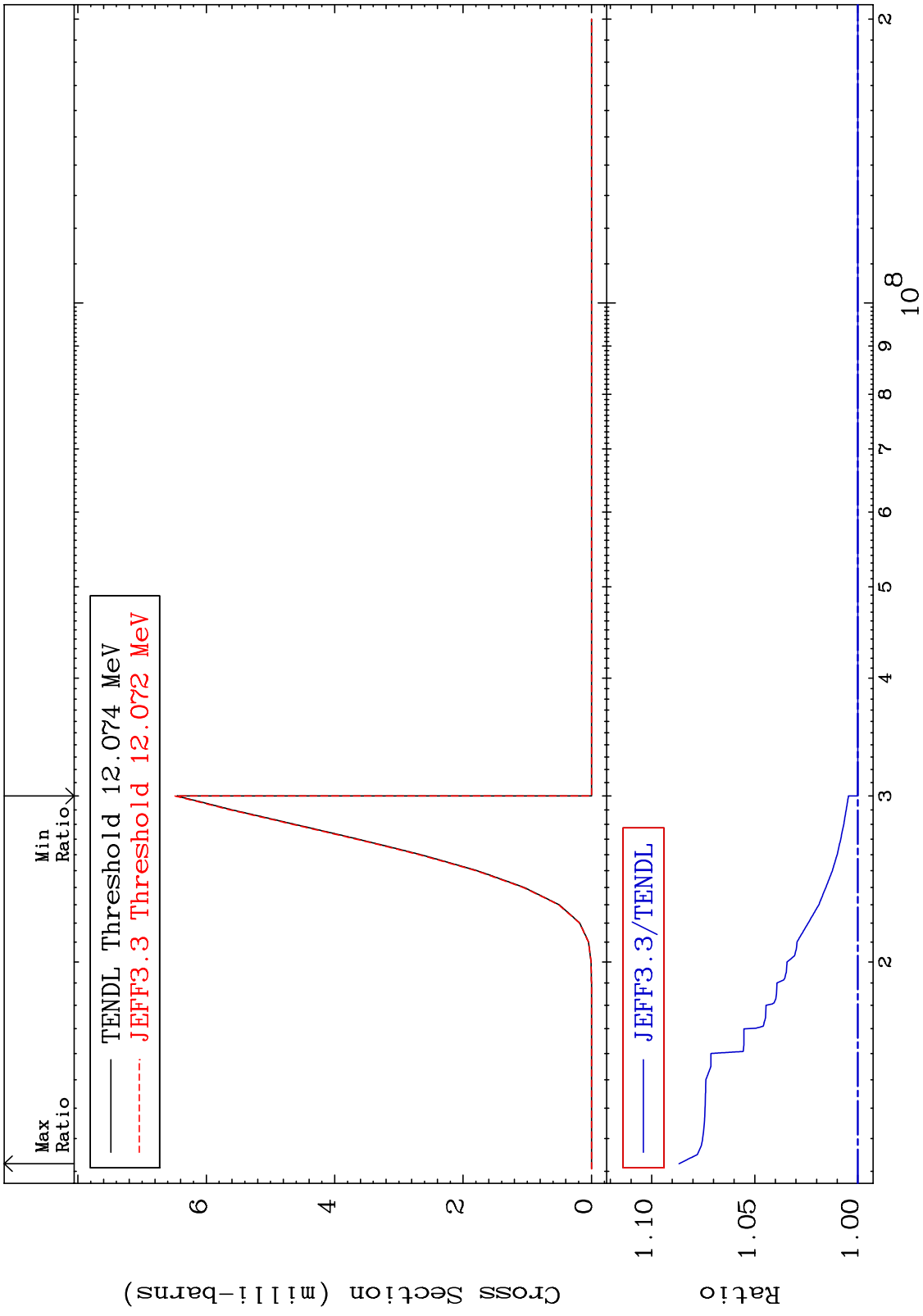
76-0s-189 Incident Energy (eV)



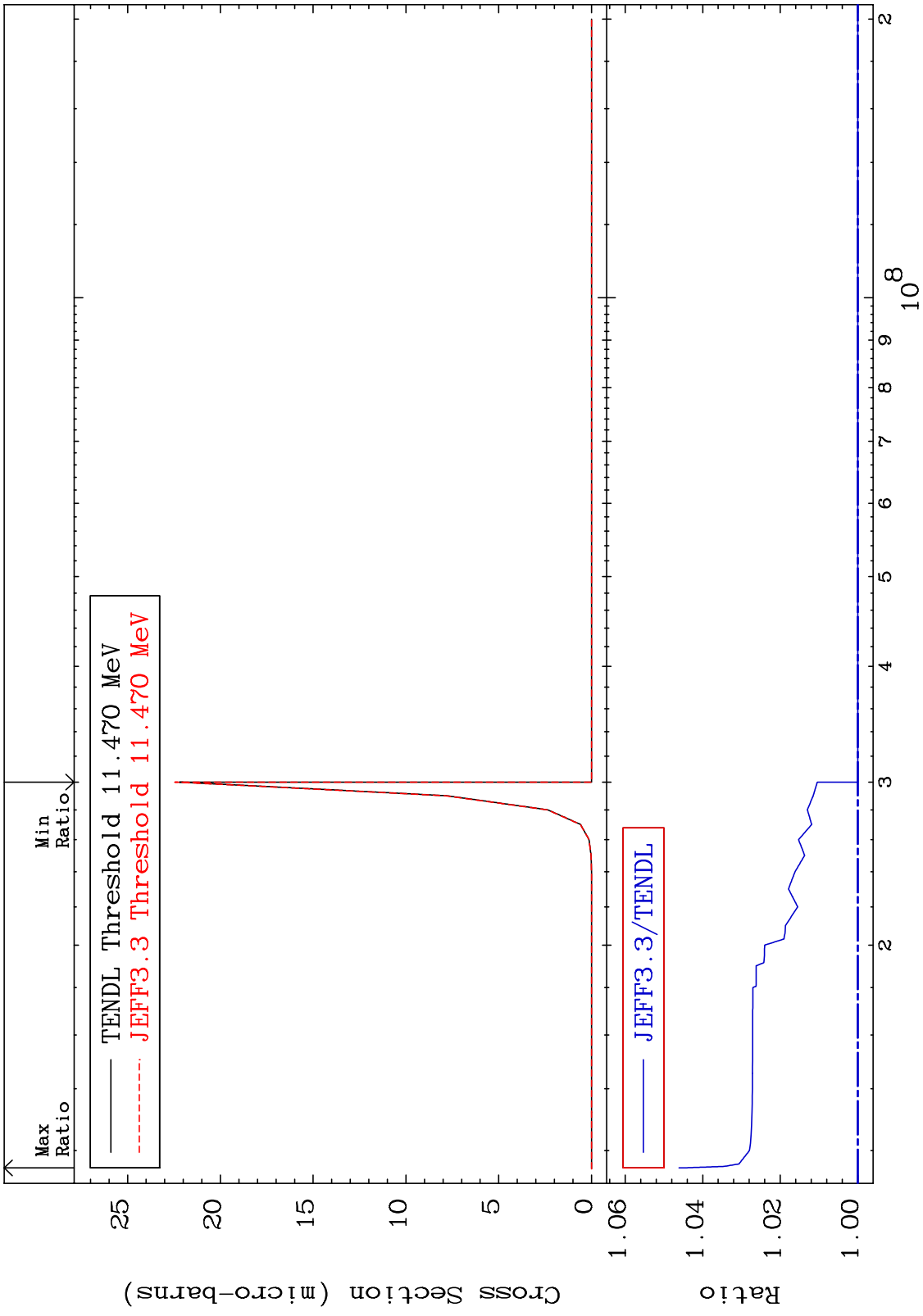
MAT 7640 (n,n') d 76-0s-189  
 Cross Section 0.000 To 4.148 %

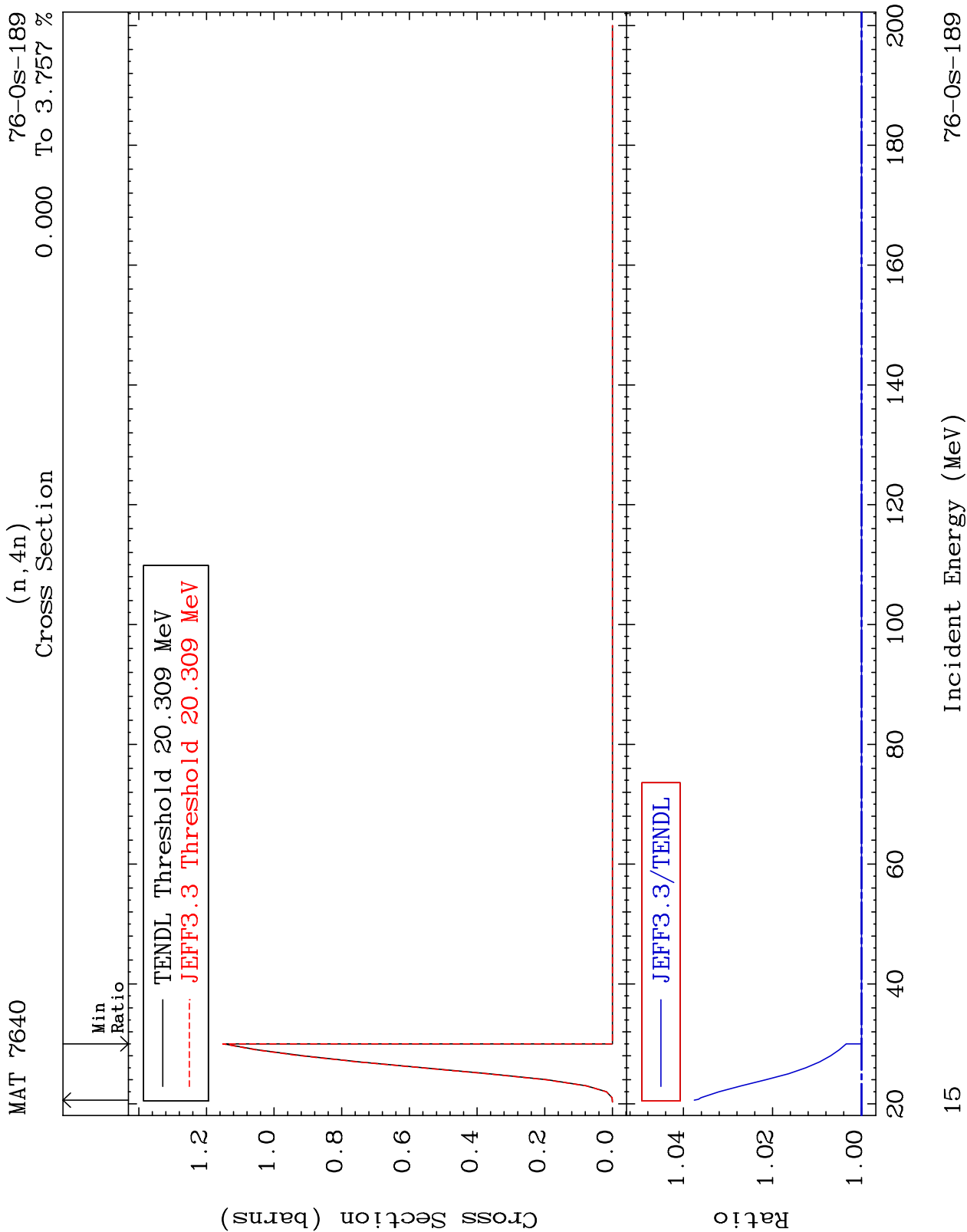


MAT 7640 (n,n') t 76-Os-189  
 Cross Section 0.000 To 8.671 %



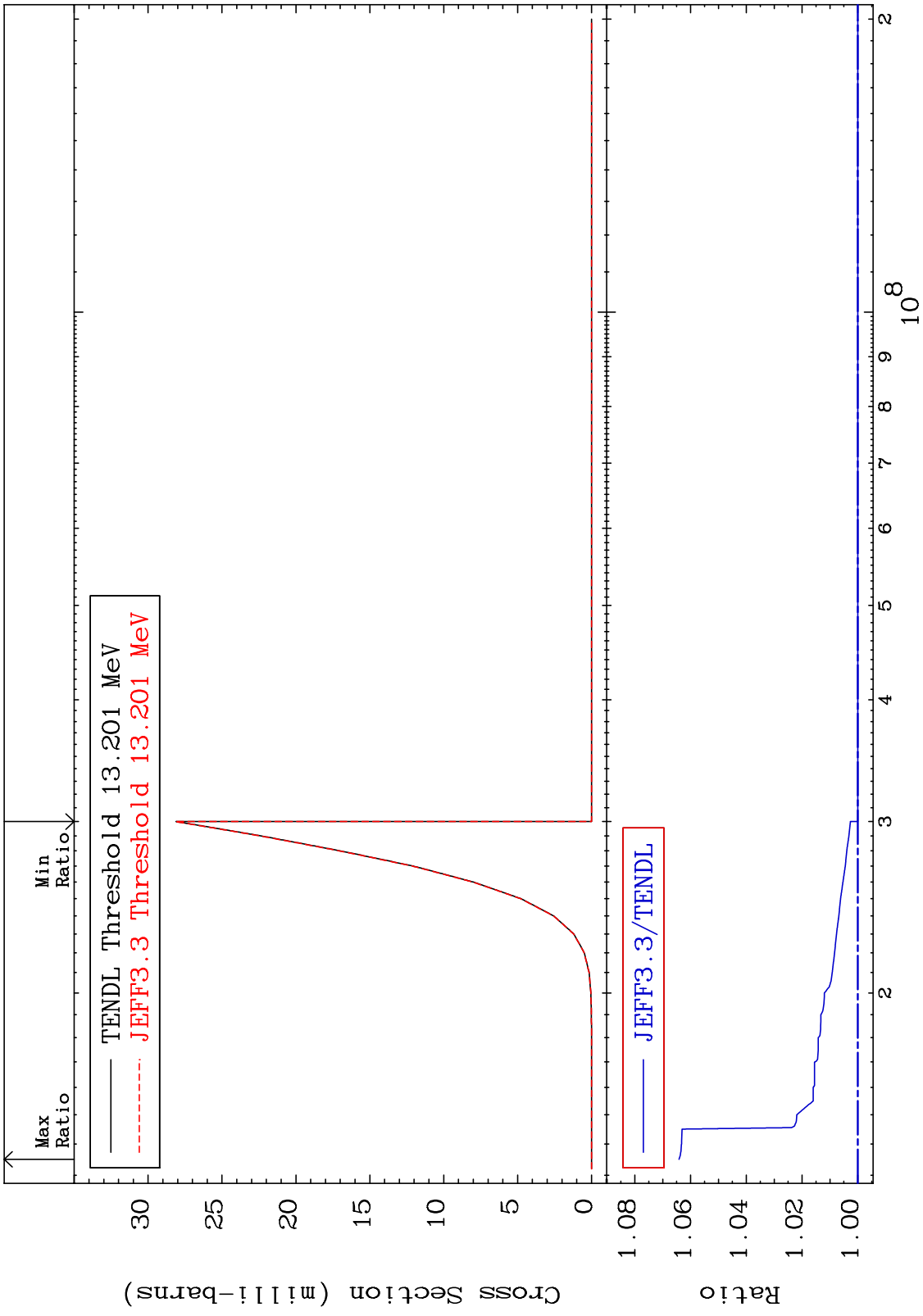
MAT 7640 (n, n') He-3 Cross Section 76-0s-189 To 4.610 %  
 0.000



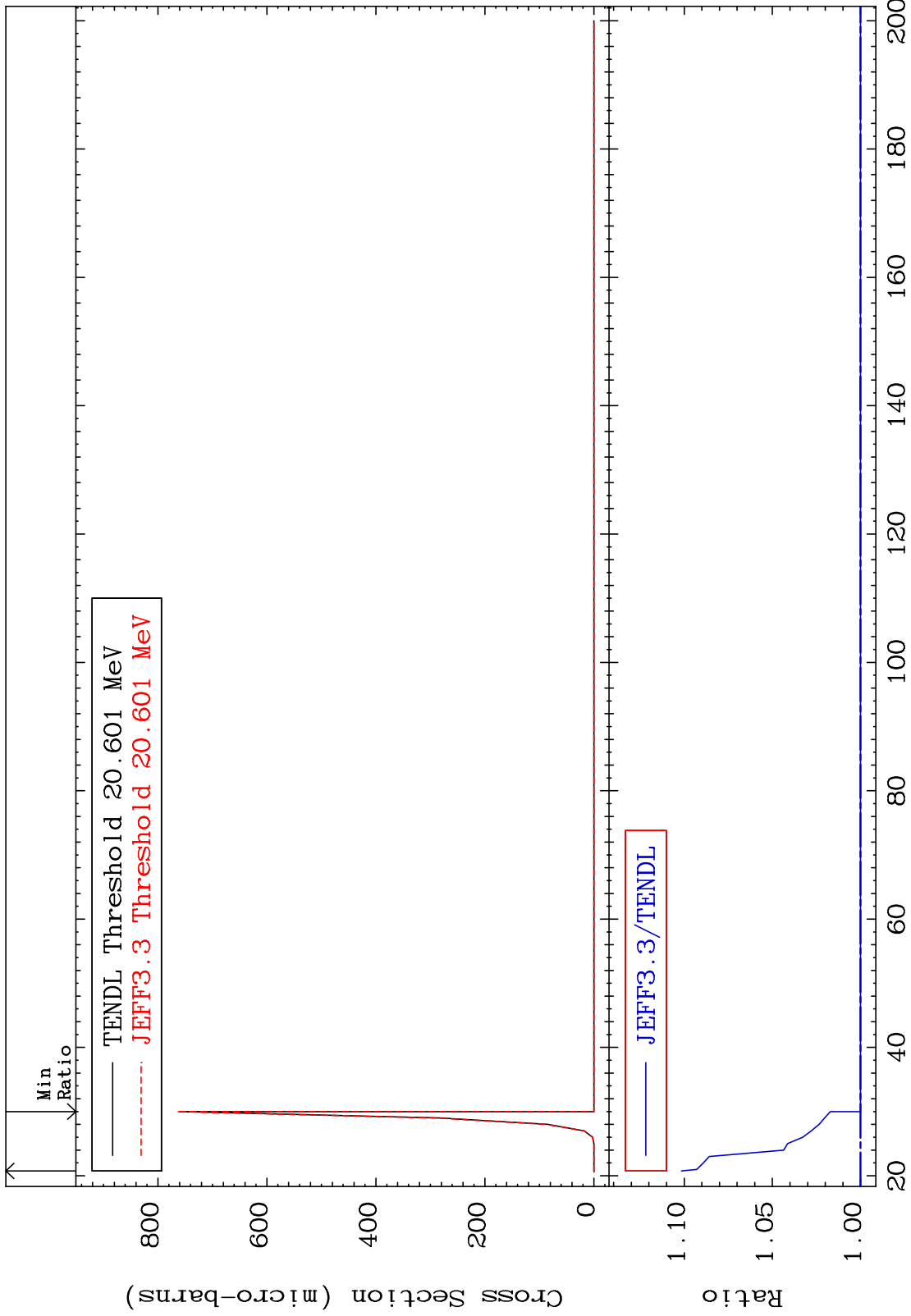




MAT 7640 (n,2n) p 76-Os-189  
 Cross Section 0.000 To 6.414 %

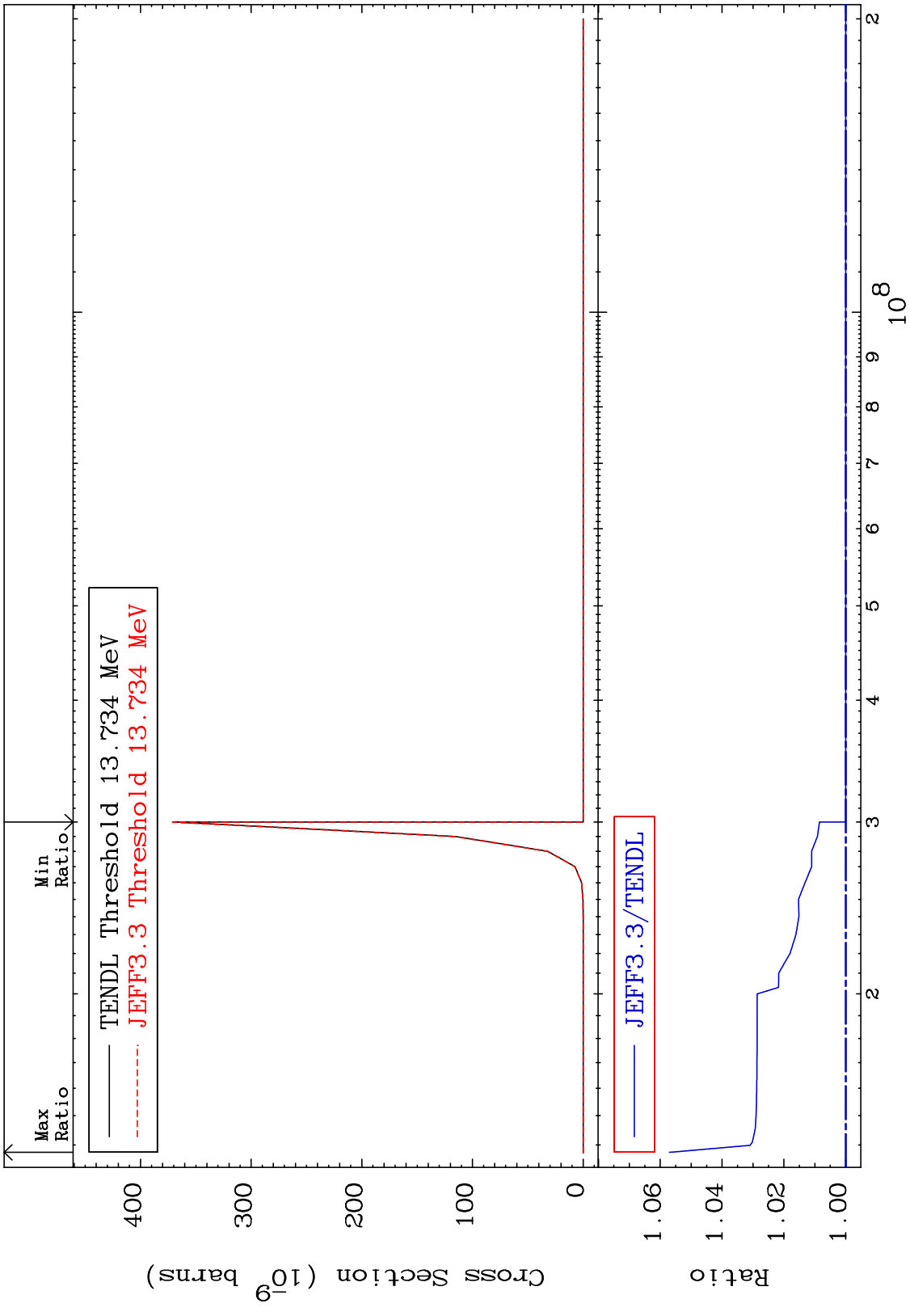


MAT 7640 (n,3n) p 76-Os-189  
Cross Section 0.000 To 10.15 %

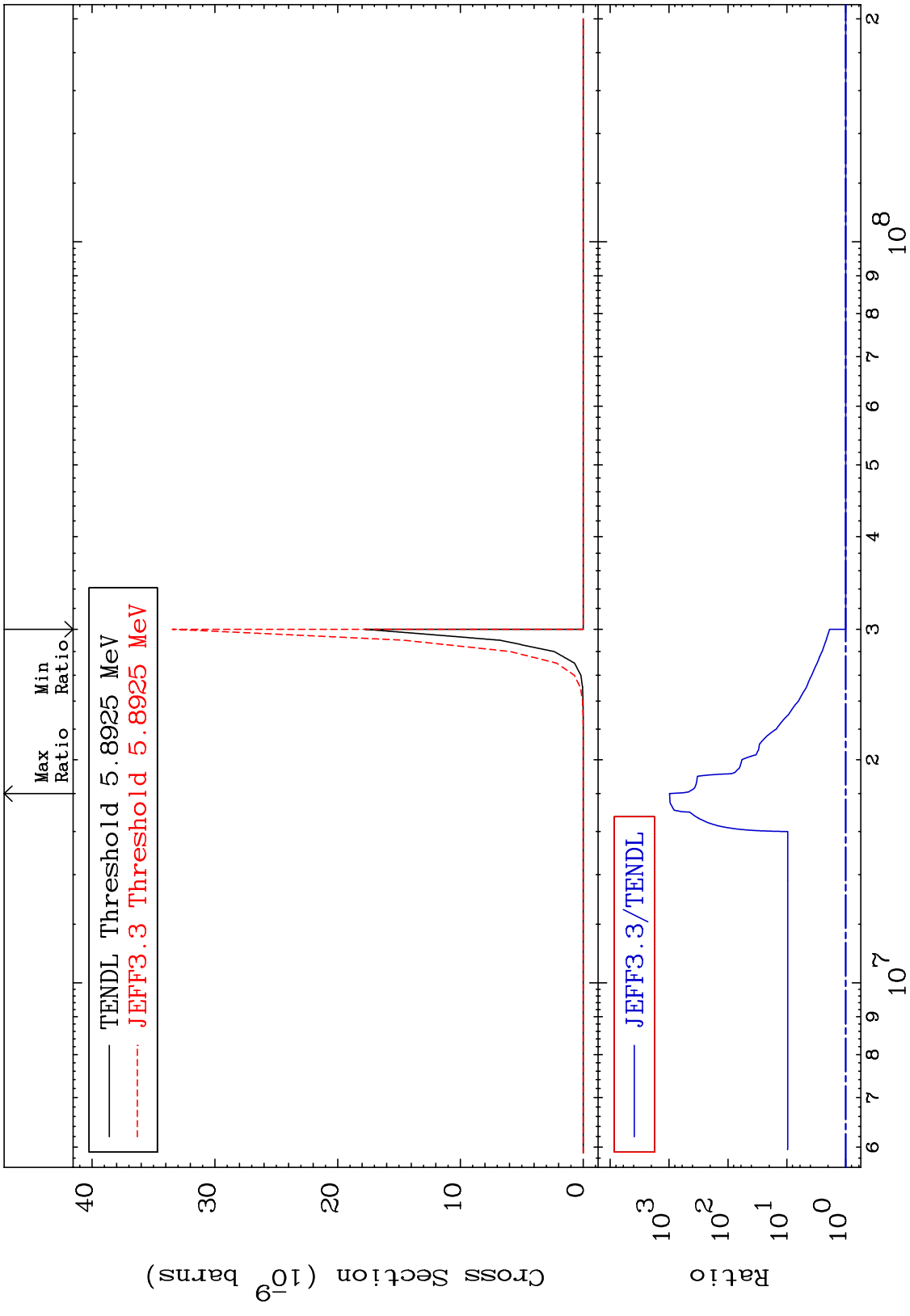


17 76-Os-189

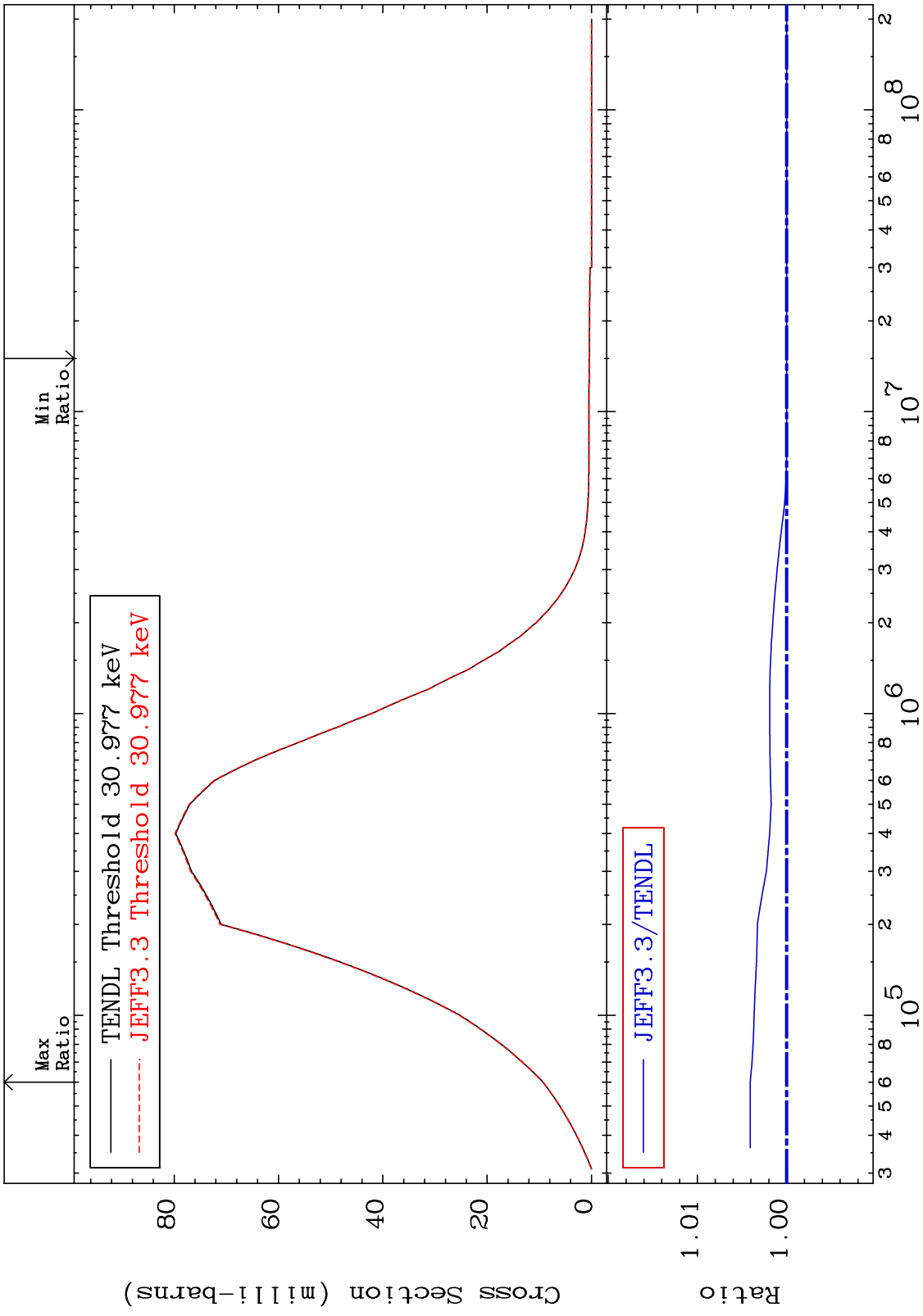
MAT 7640 (n,2n) p 76-0s-189  
 Cross Section 0.000 To 5.701 %



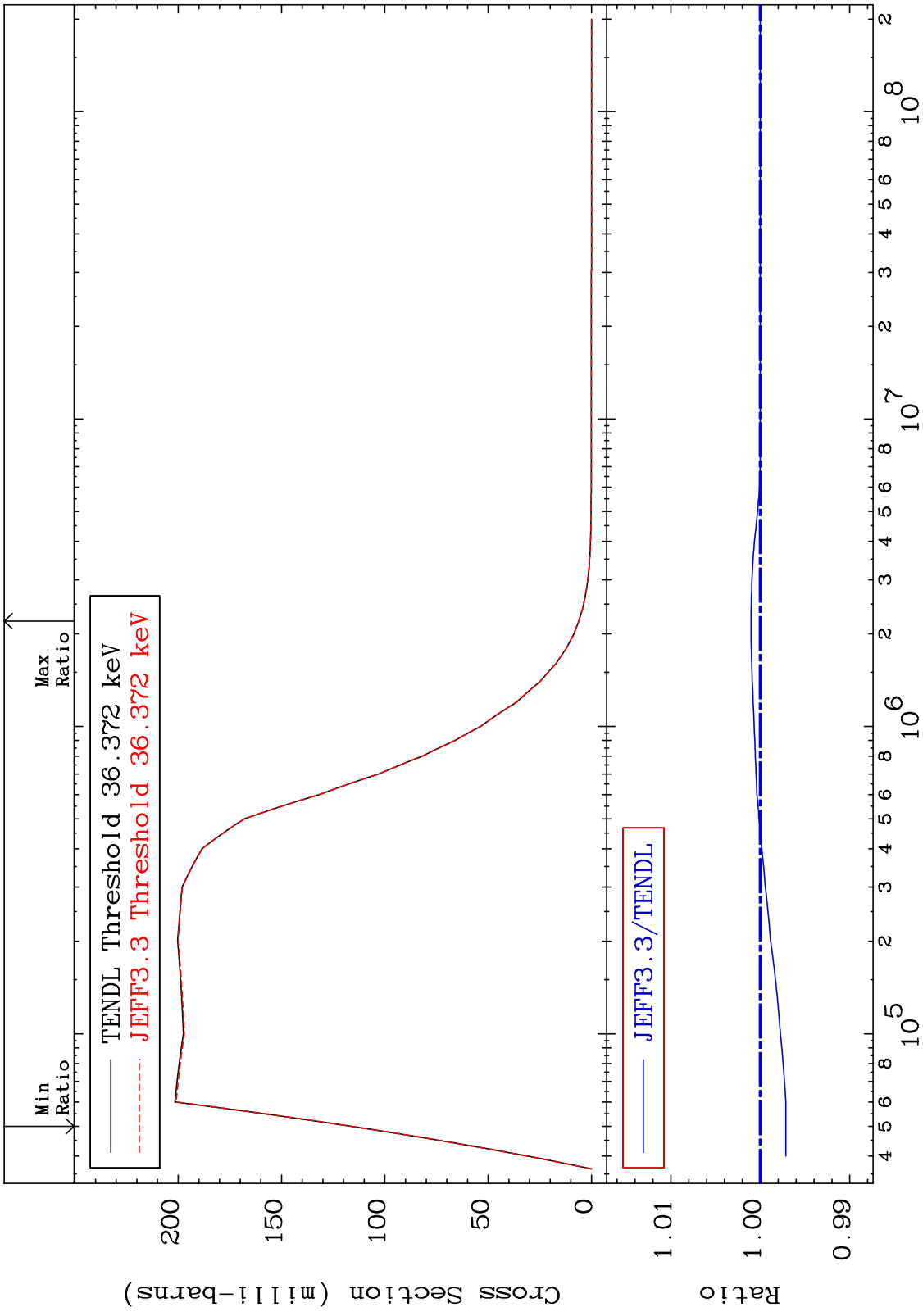
MAT 7640 (n,n') p  $\alpha$  76-Os-189  
 Cross Section 0.000 To 9999. %



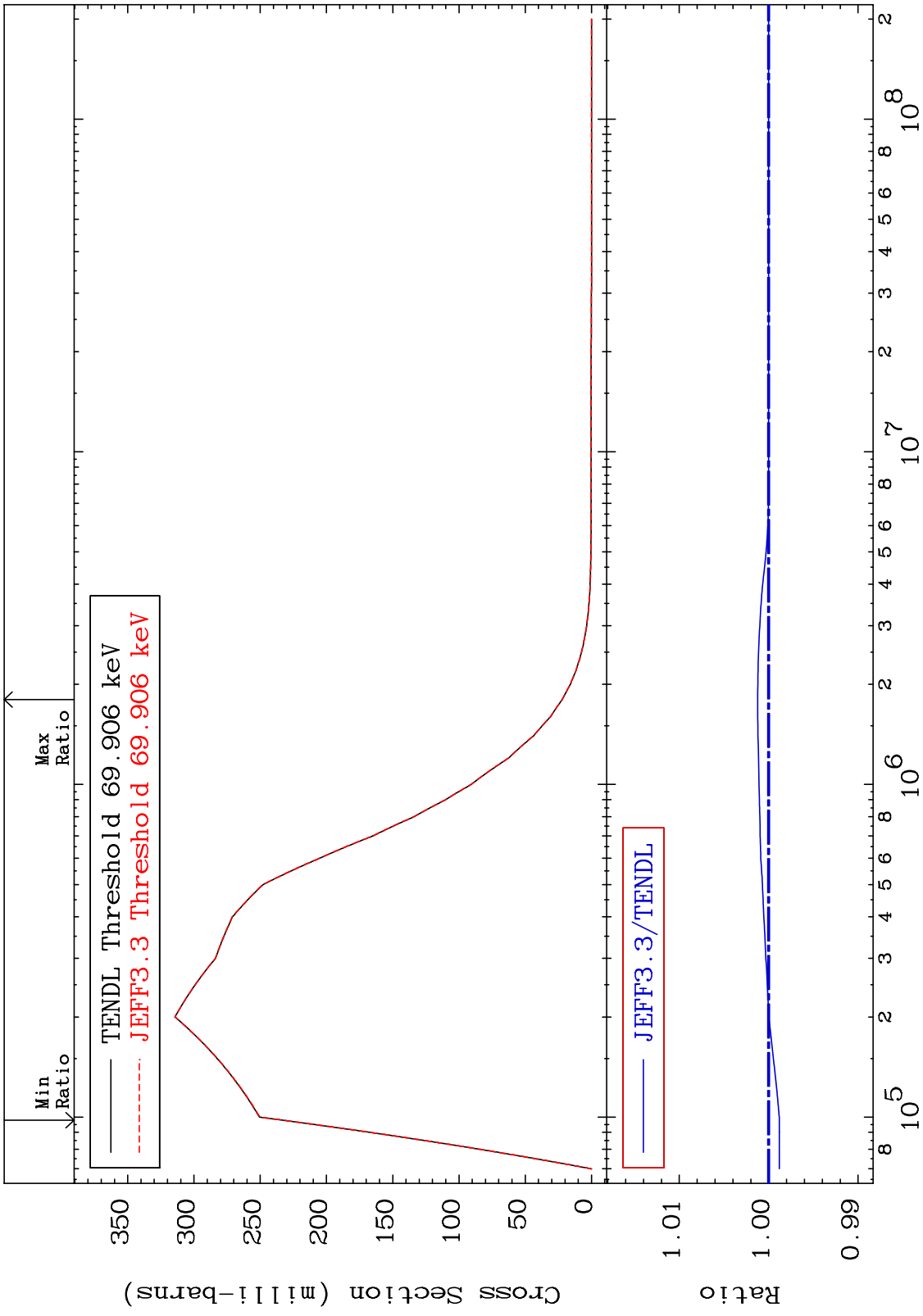
MAT 7640 MT= 51 (n,n') Level Cross Section 76-0s-189 To 0.408 %



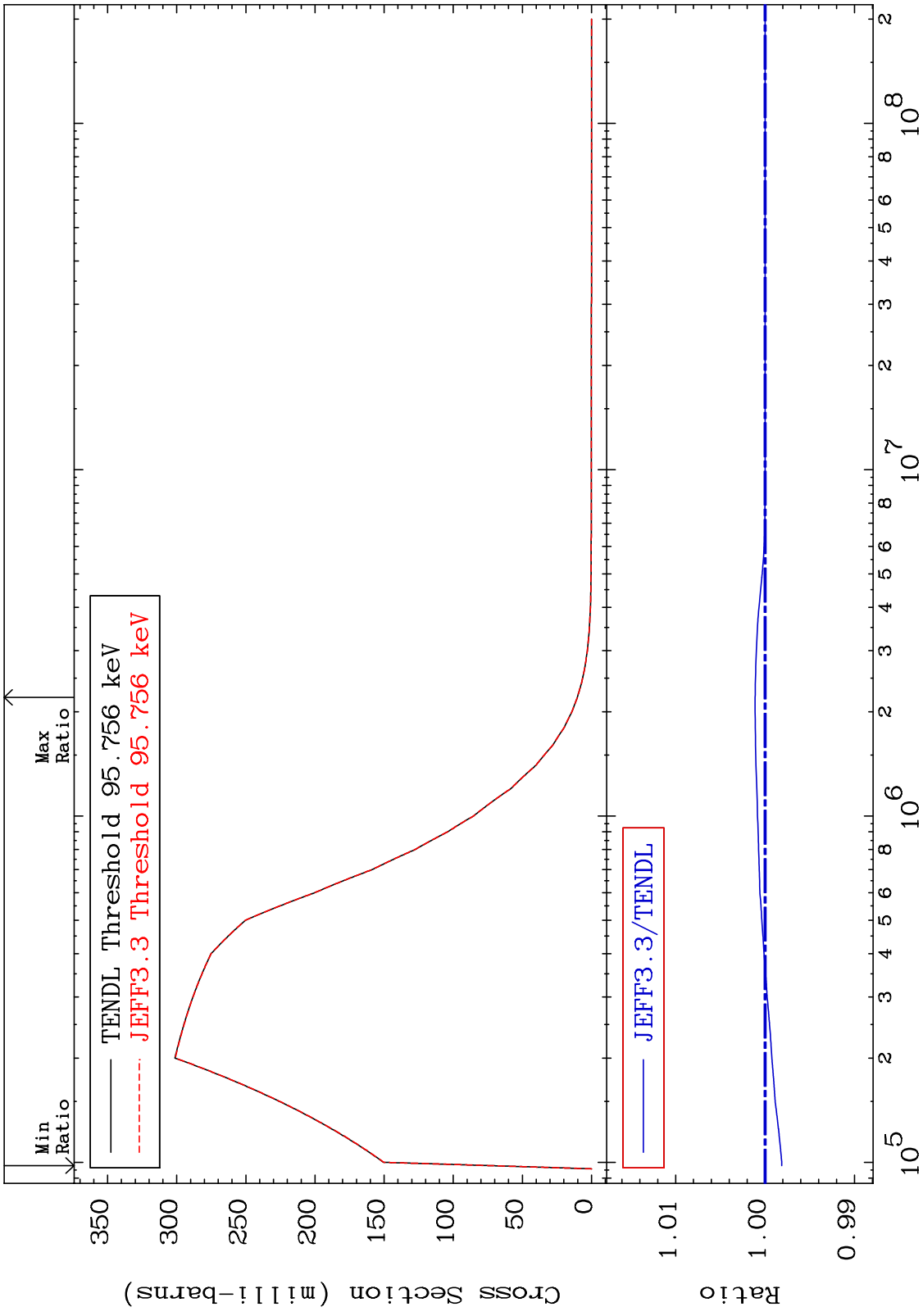
MAT 7640 MT= 52 (n,n') Level Cross Section 76-0s-189  
 -0.285 To 0.104 %



MAT 7640 MT= 53 (n,n') Level Cross Section 76-0s-189  
 -0.118 To 0.123 %



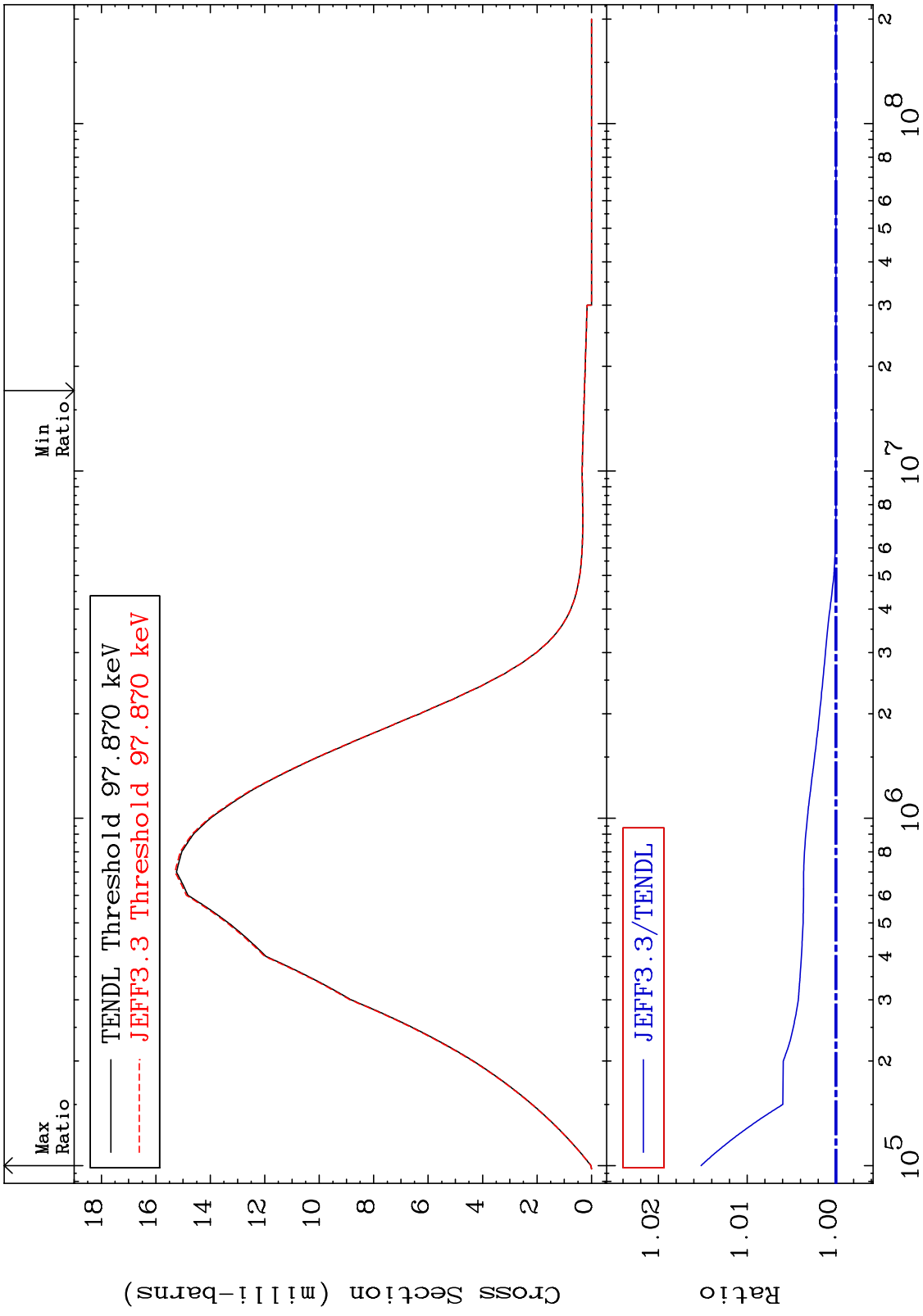
MAT 7640 MT= 54 (n,n') Level Cross Section 76-Os-189  
 -0.187 To 0.111 %



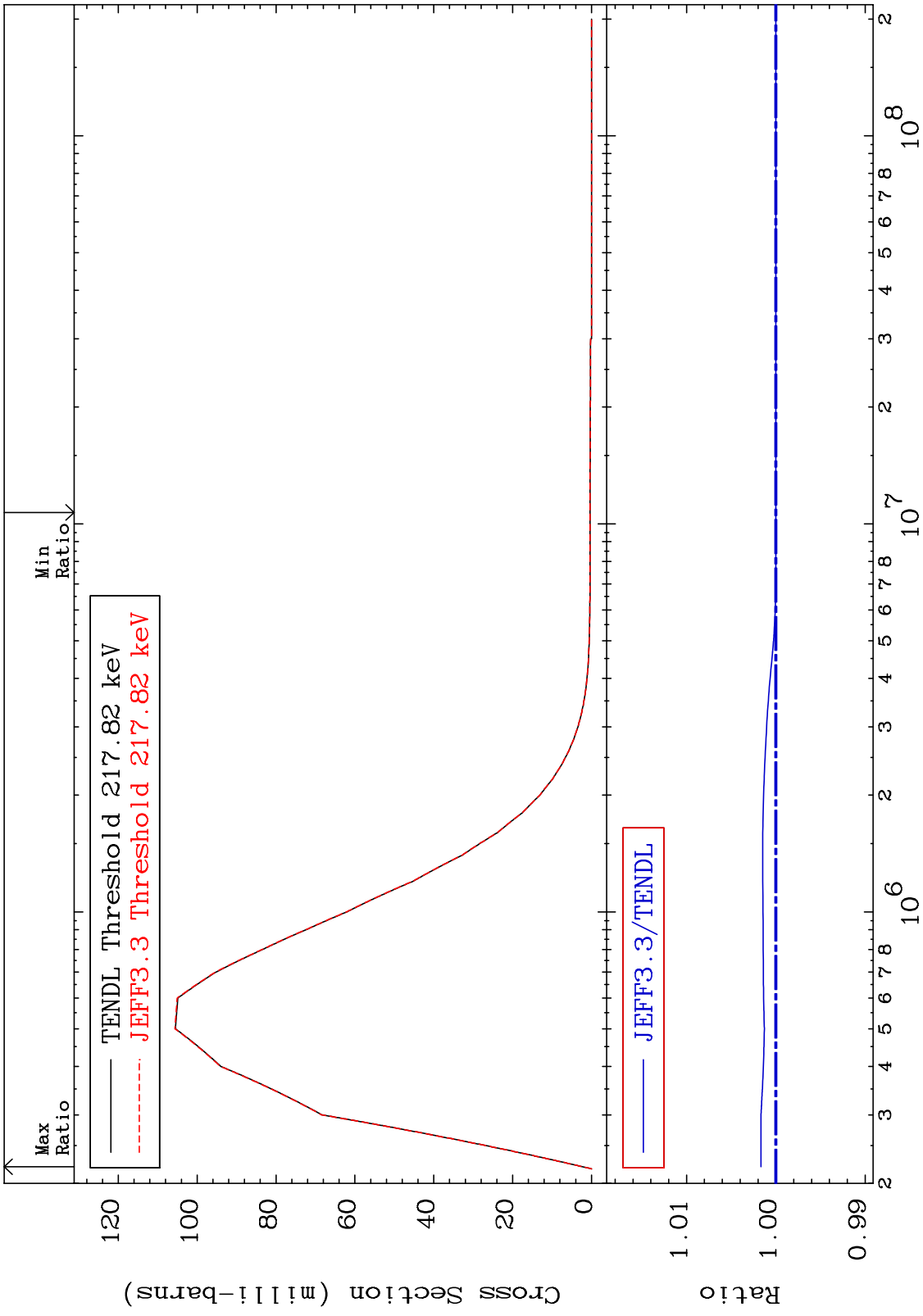
23 76-Os-189



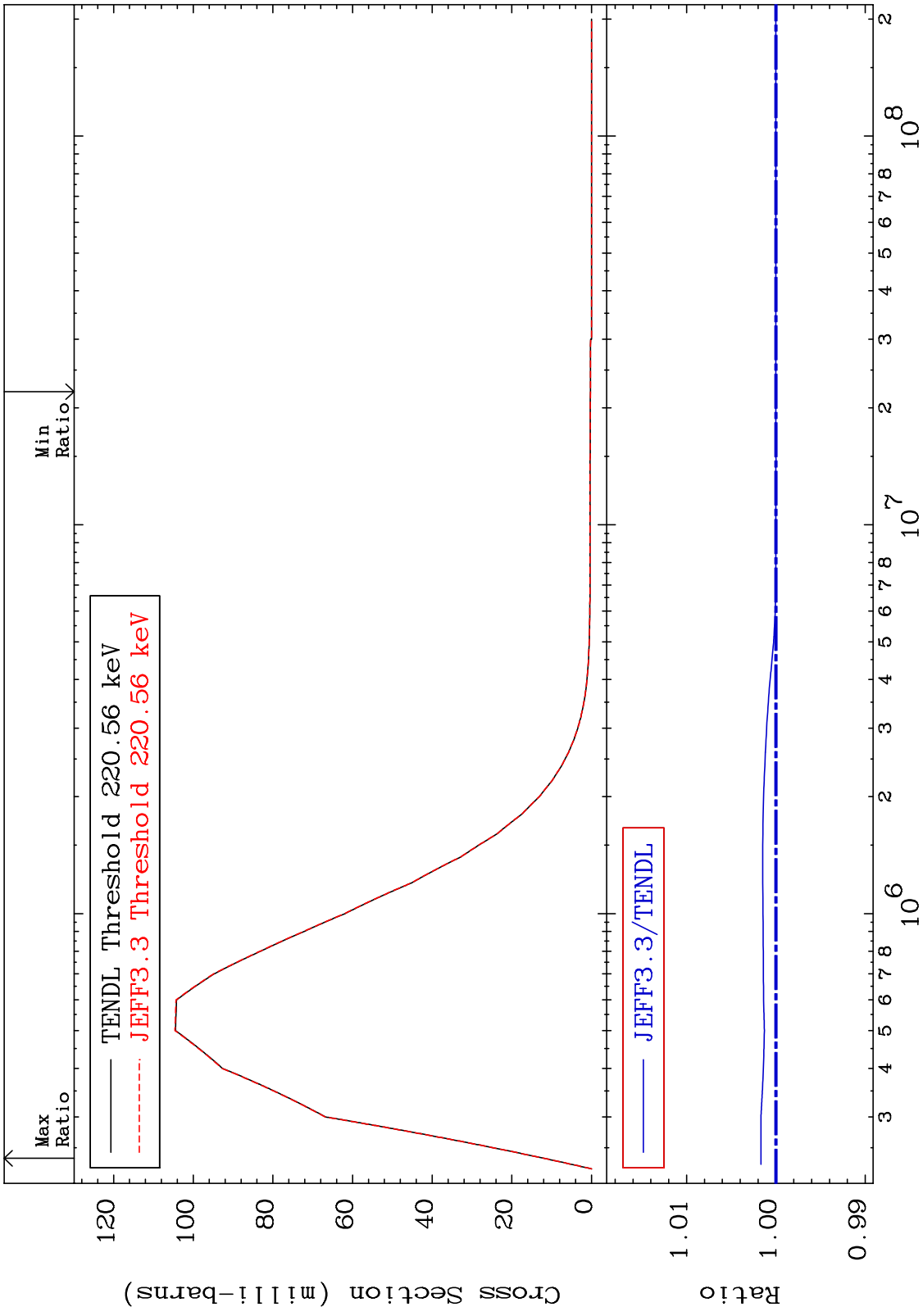
MAT 7640 MT= 55 (n,n') Level Cross Section 76-0s-189 To 1.521 %



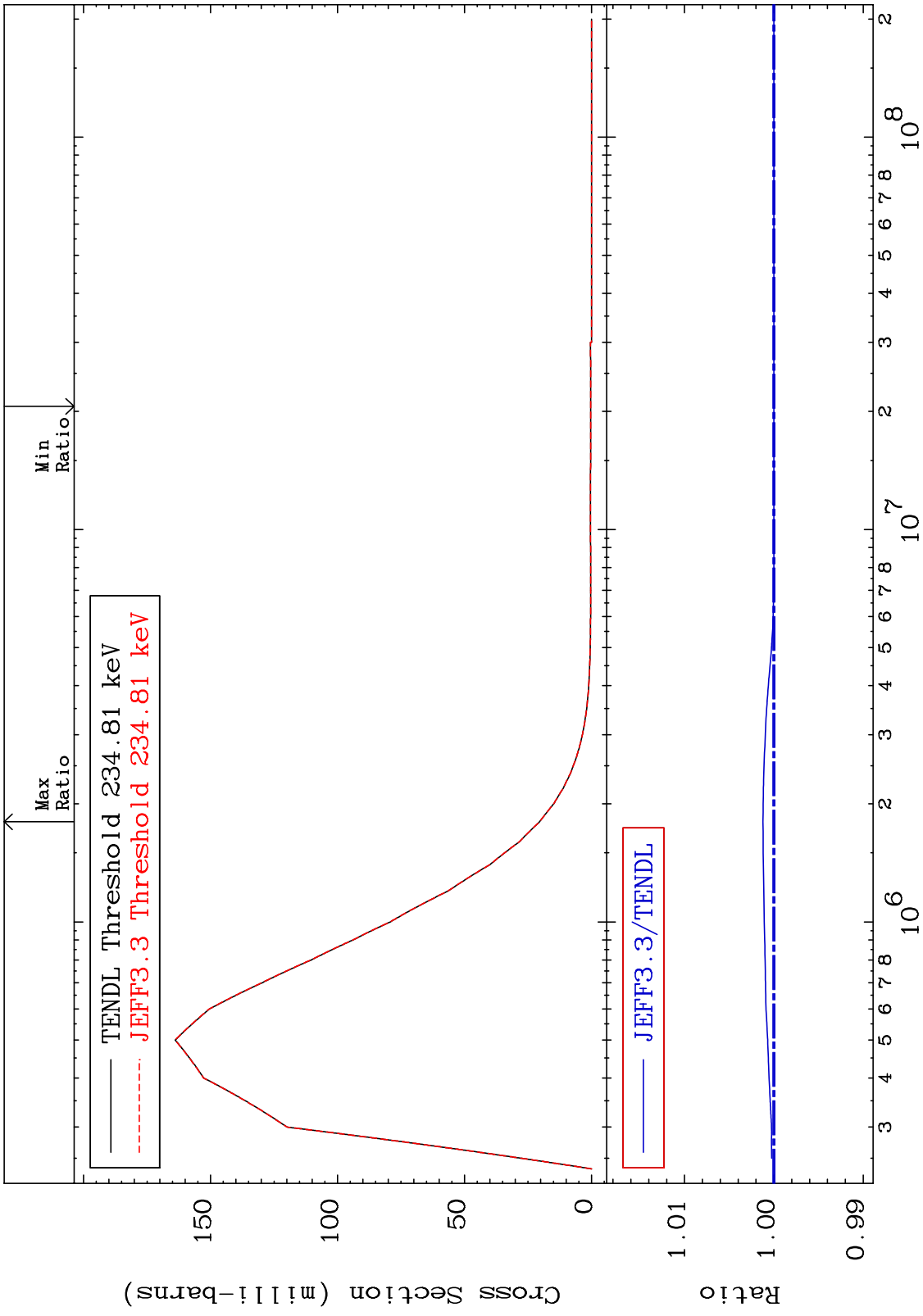
MAT 7640 MT= 56 (n,n') Level Cross Section 76-Os-189 To 0.167 %



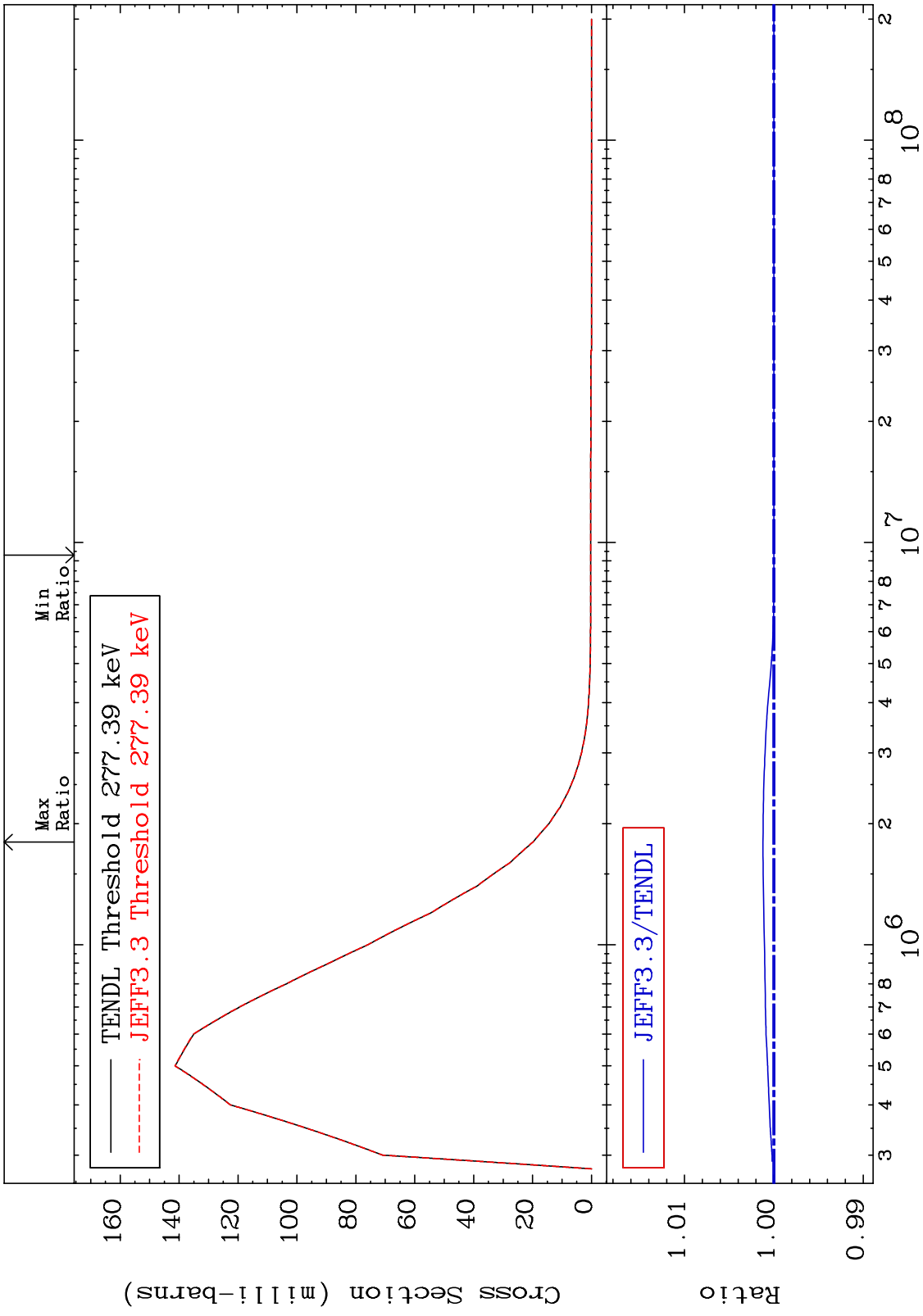
MAT 7640 MT= 57 (n,n') Level Cross Section 76-0s-189 To 0.168 %



MAT 7640 MT= 58 (n,n') Level Cross Section 76-Os-189 To 0.121 %

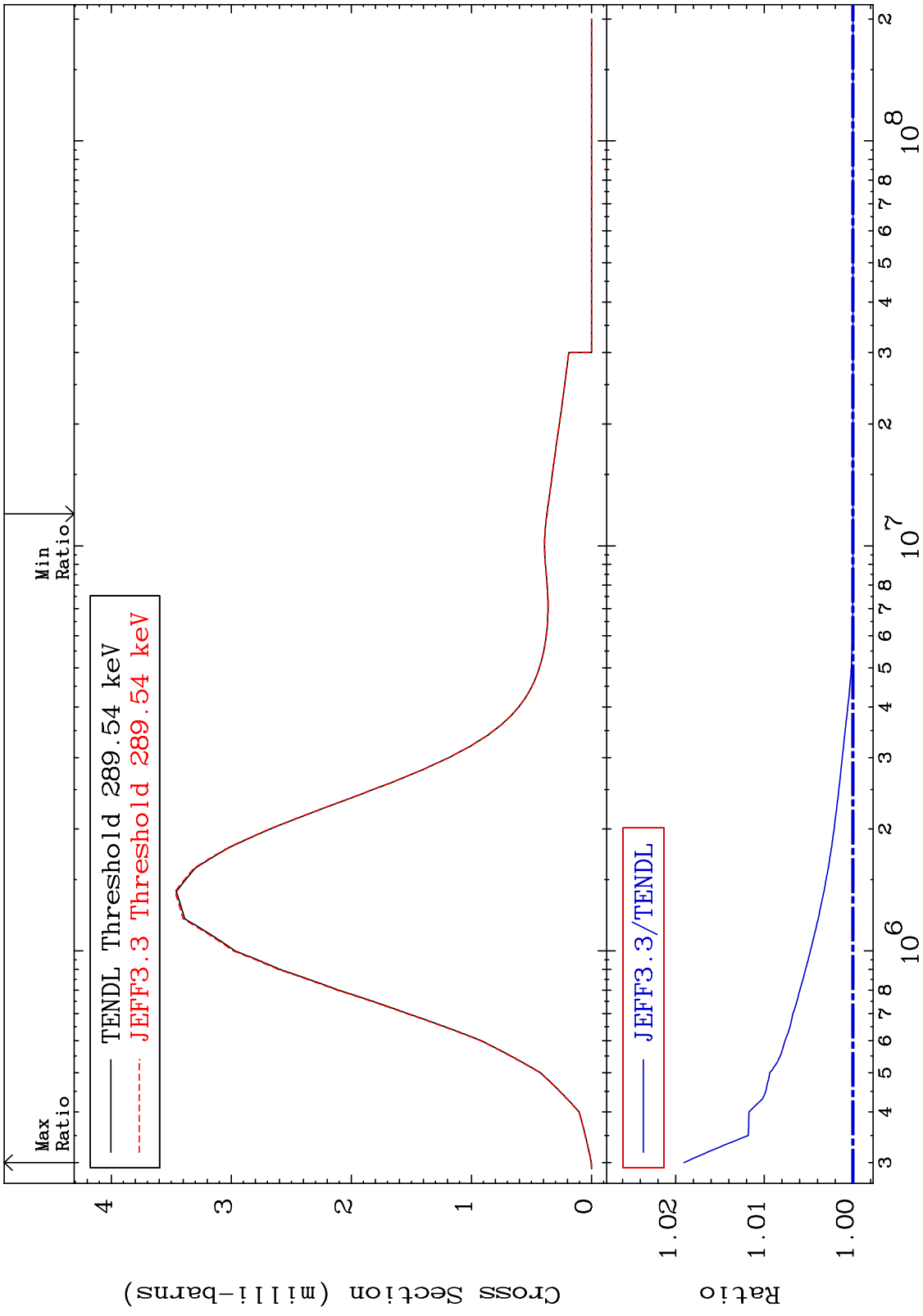


MAT 7640 MT= 59 (n,n') Level Cross Section 76-0s-189 To 0.122 %

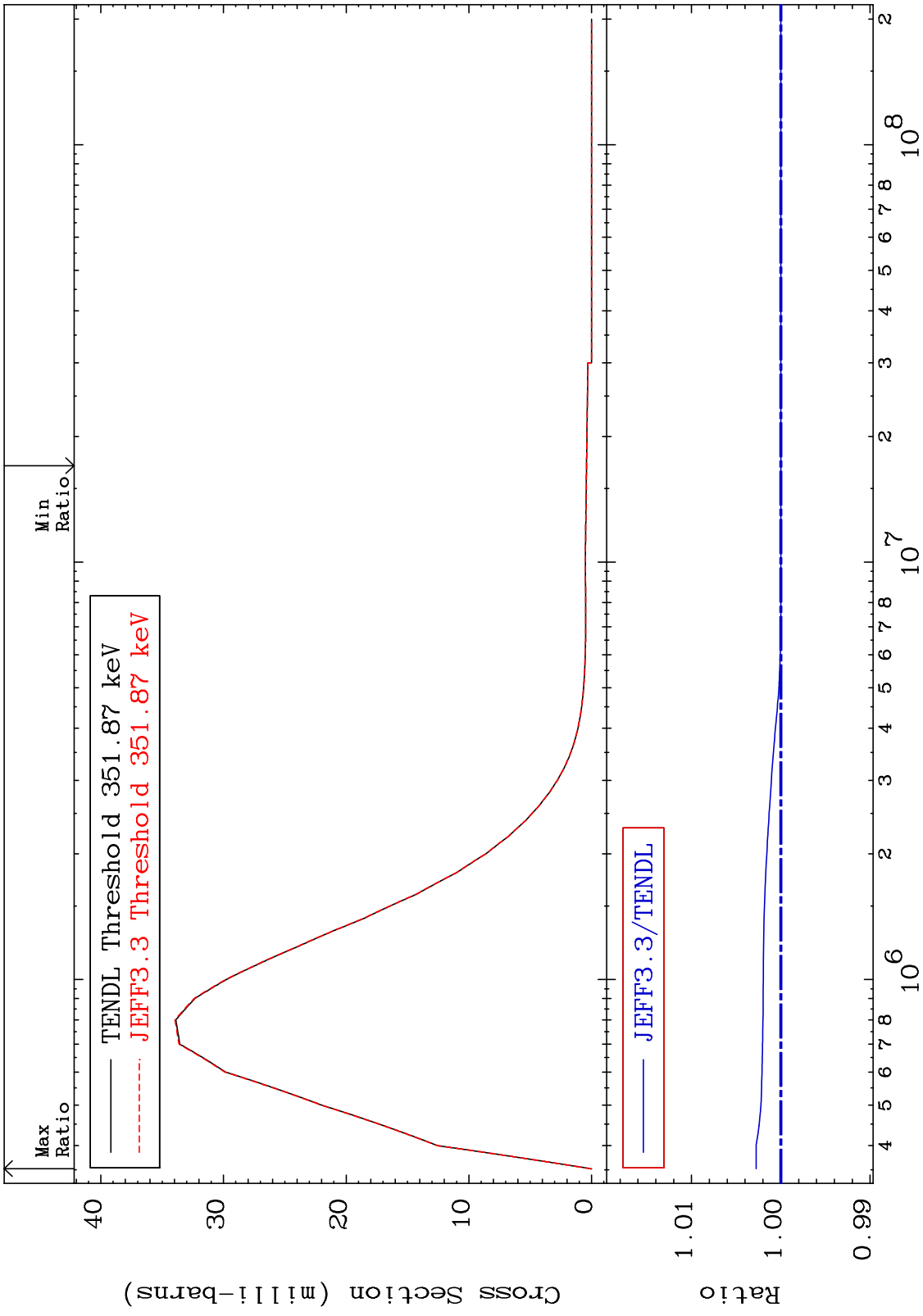


28 76-0s-189

MAT 7640 MT= 60 (n,n') Level Cross Section 76-0s-189 To 1.907 %

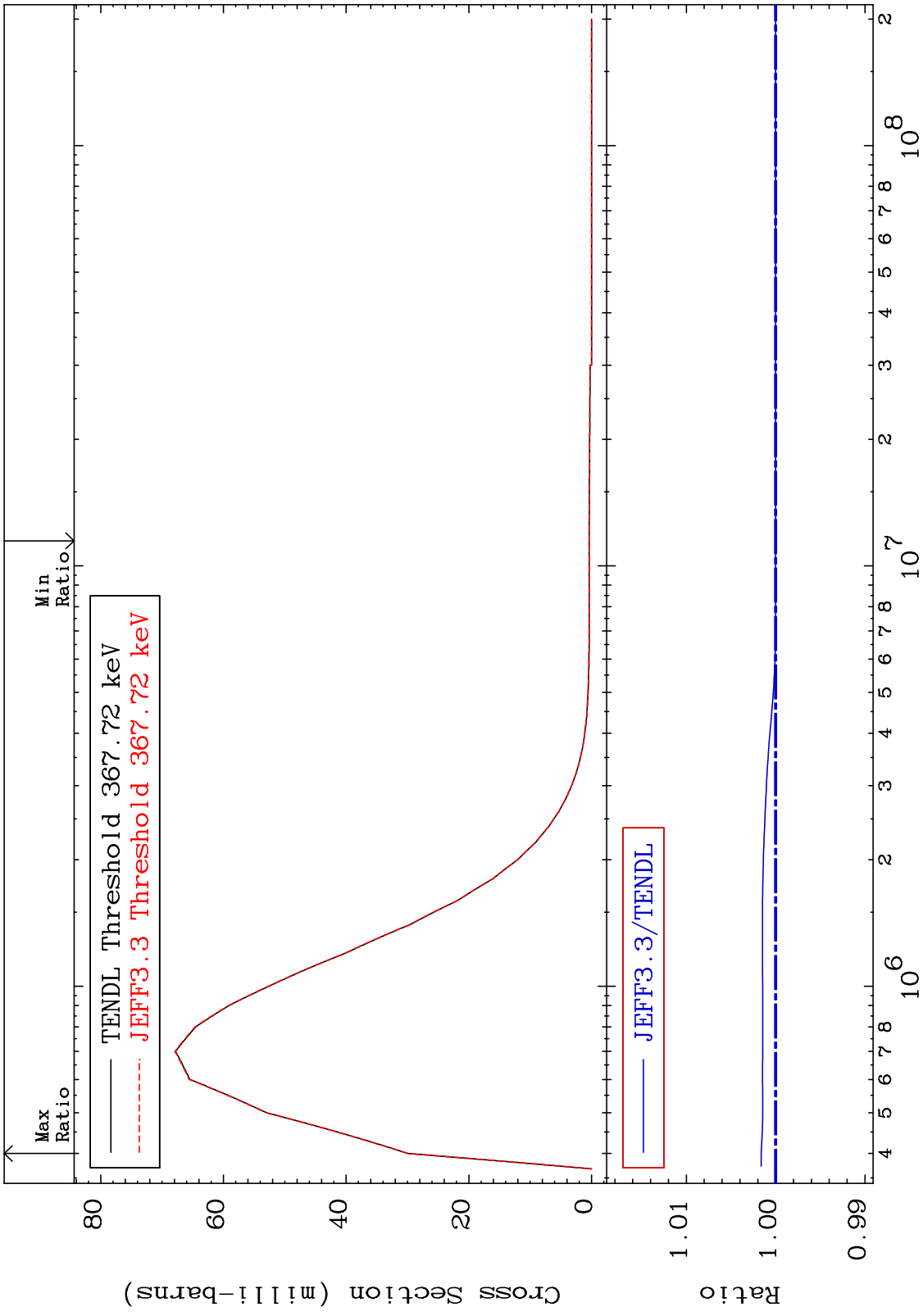


MAT 7640 MT= 61 (n,n') Level Cross Section 76-0s-189 To 0.277 %



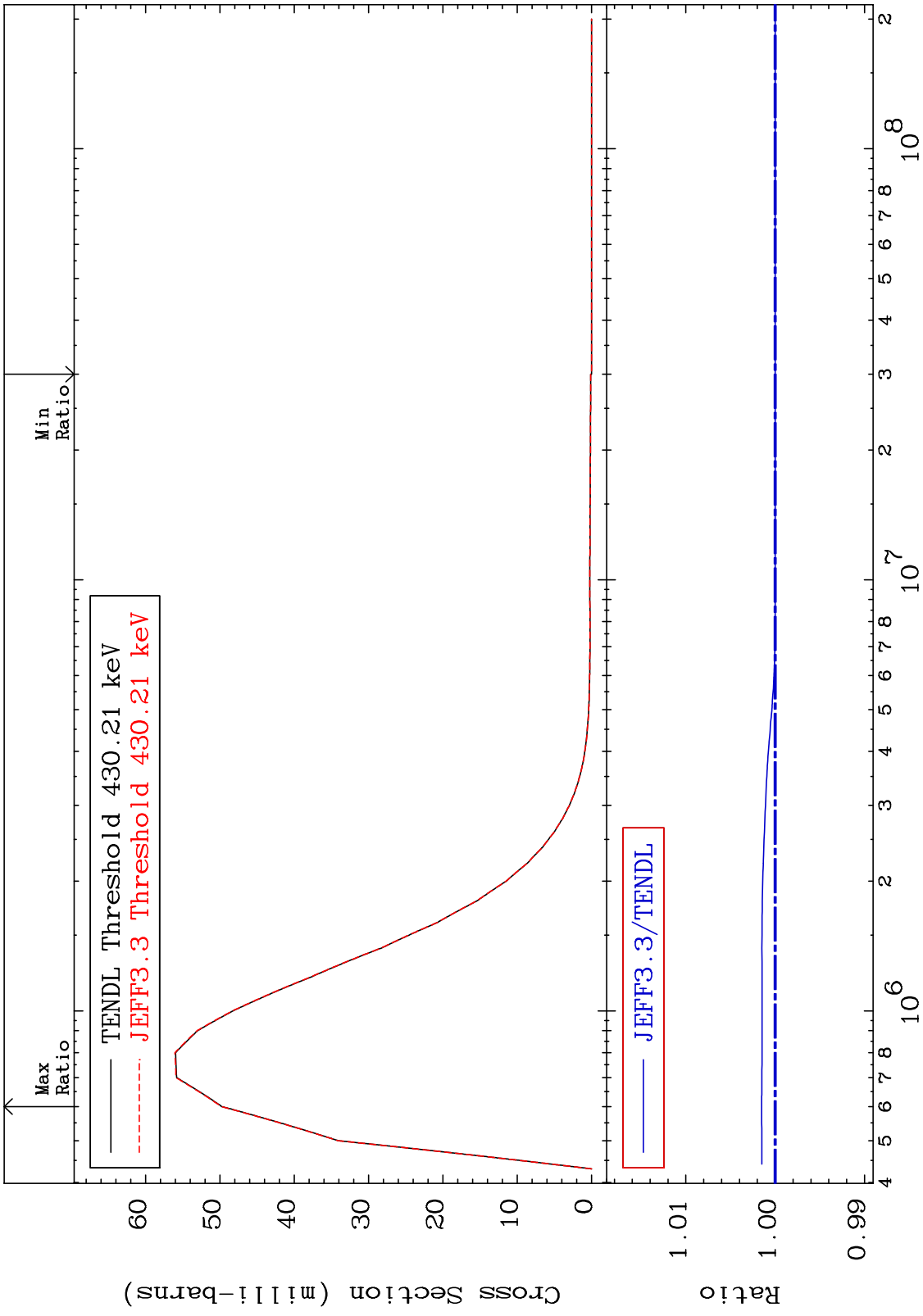
30 Incident Energy (eV) 76-0s-189

MAT 7640 MT= 62 (n,n') Level Cross Section 76-Os-189  
 0.000 To 0.162 %

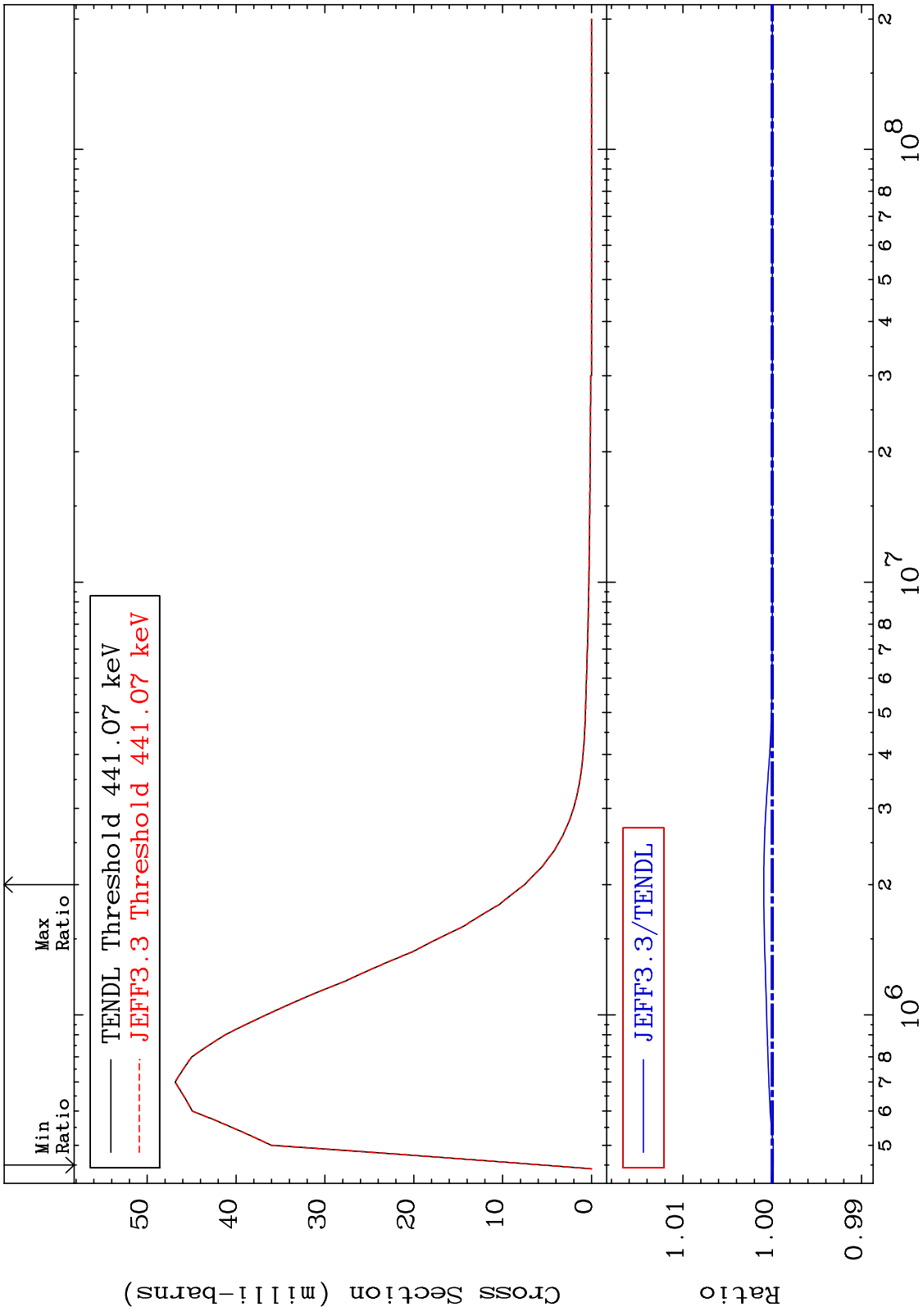




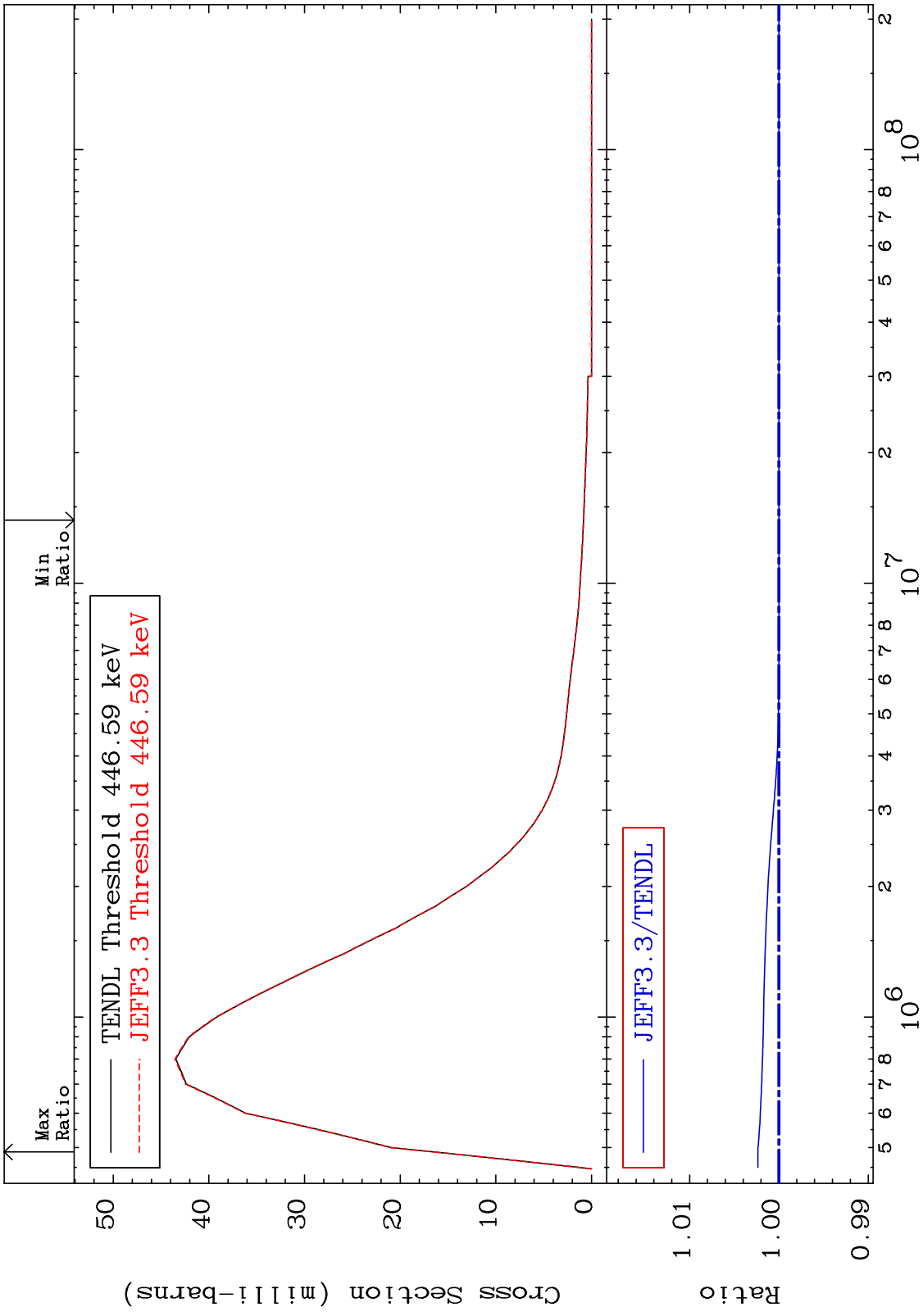
MAT 7640 MT= 63 (n,n') Level Cross Section 76-0s-189 To 0.152 %



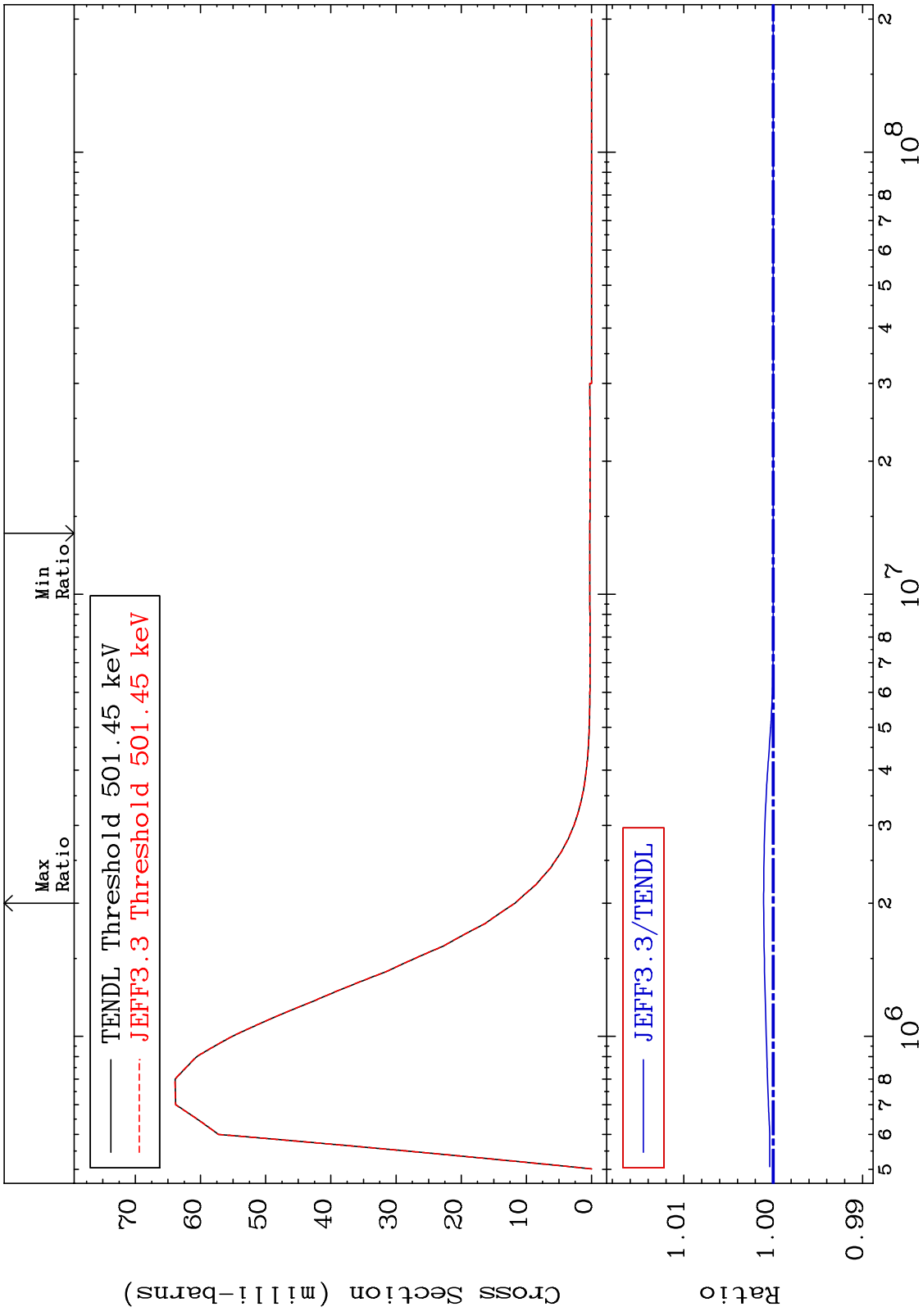
MAT 7640 MT= 64 (n,n') Level Cross Section 76-Os-189 -0.010 To 0.095 %



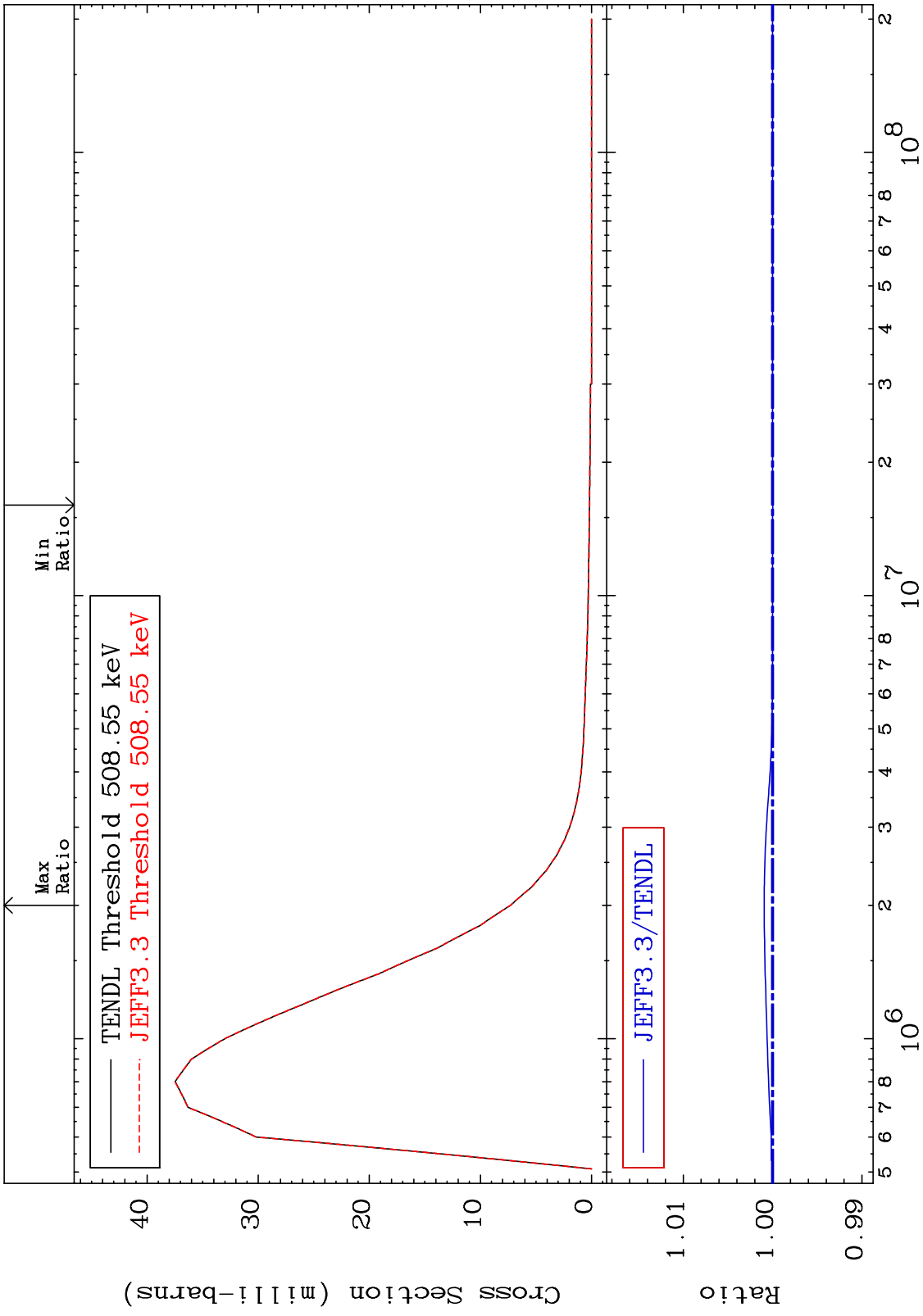
MAT 7640 MT= 65 (n,n') Level Cross Section 76-Os-189 To 0.234 %



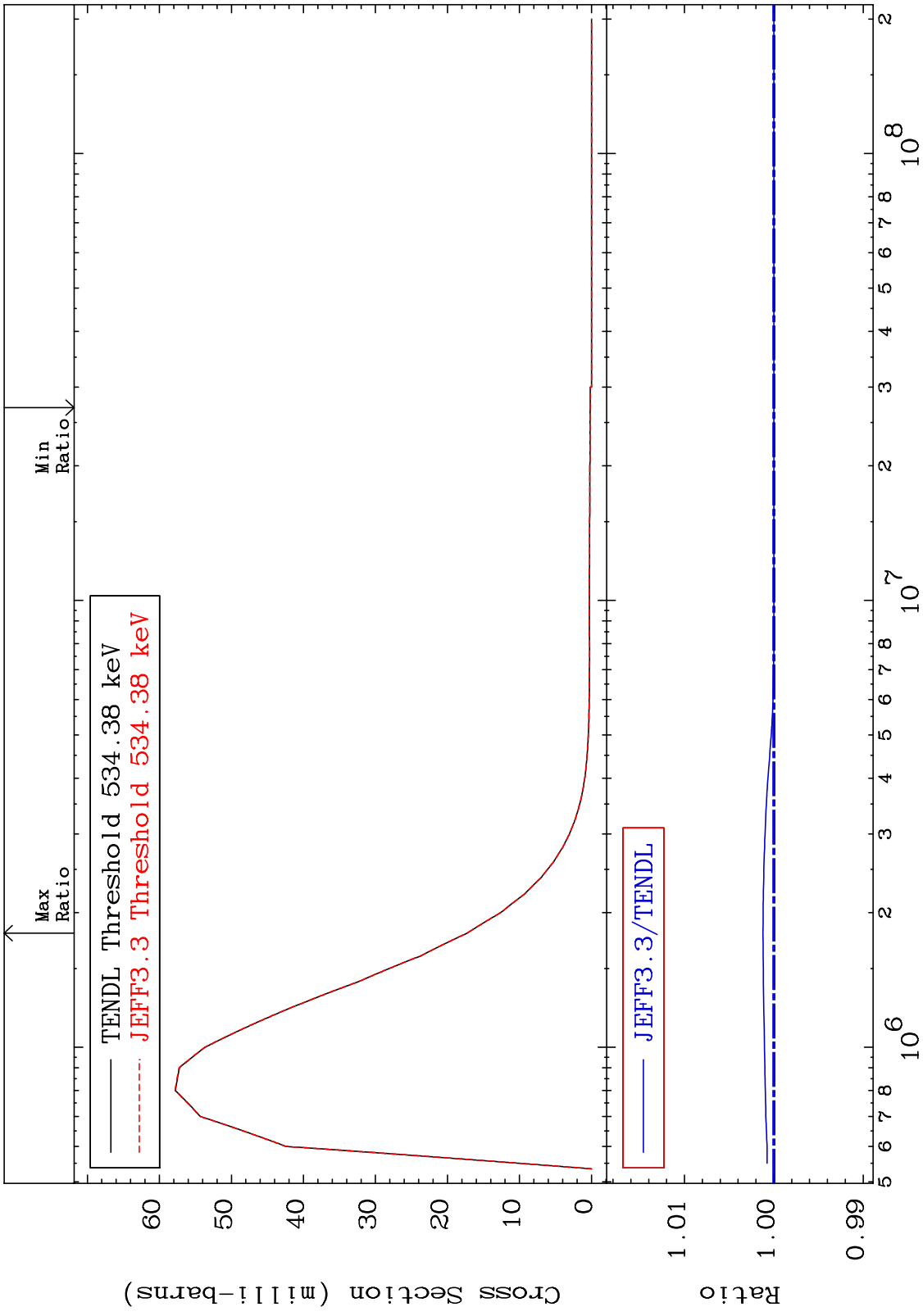
MAT 7640 MT= 66 (n,n') Level Cross Section 76-0s-189 To 0.107 %



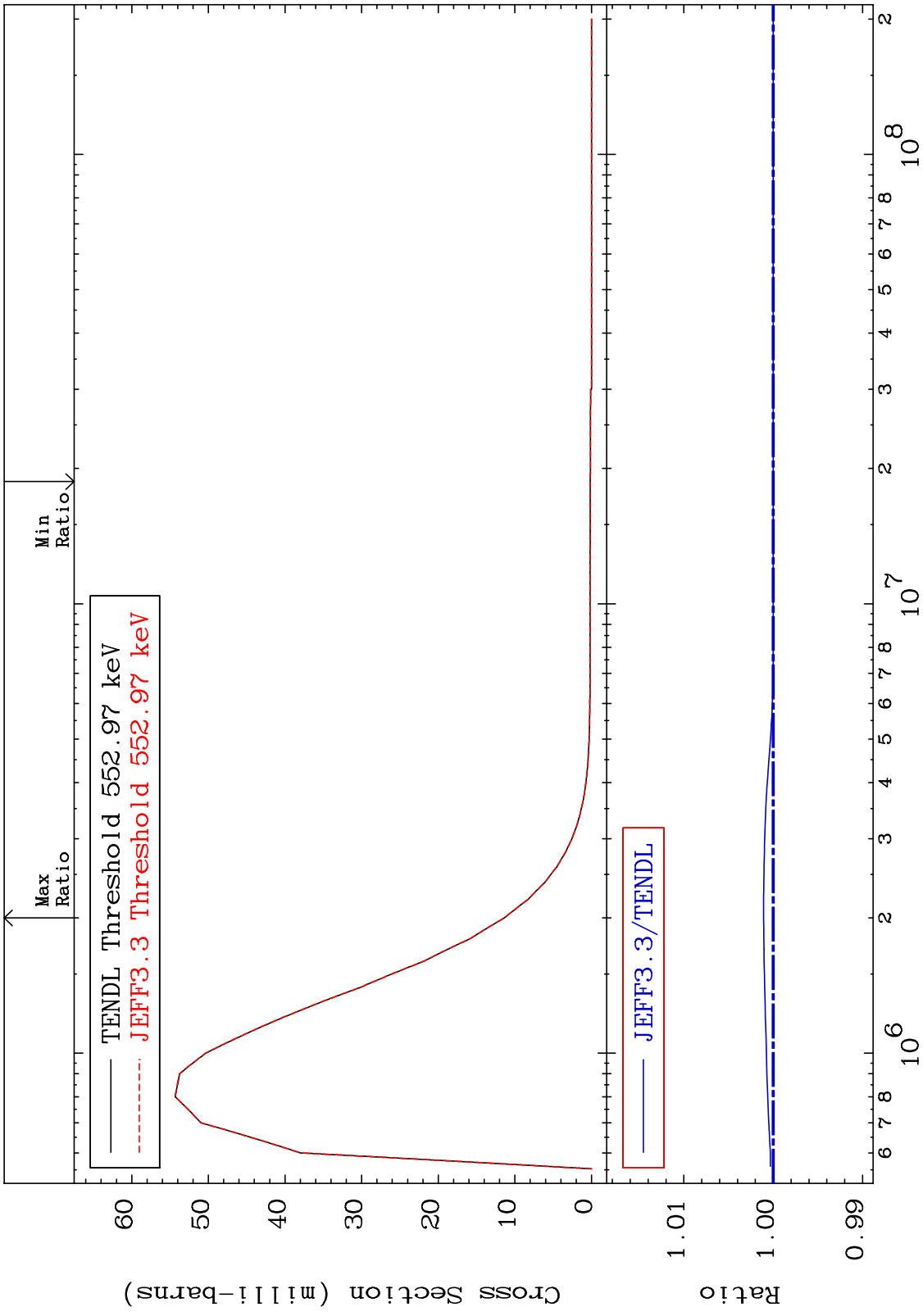
MAT 7640 MT= 67 (n,n') Level Cross Section 0.000 To 0.094 % 76-0s-189



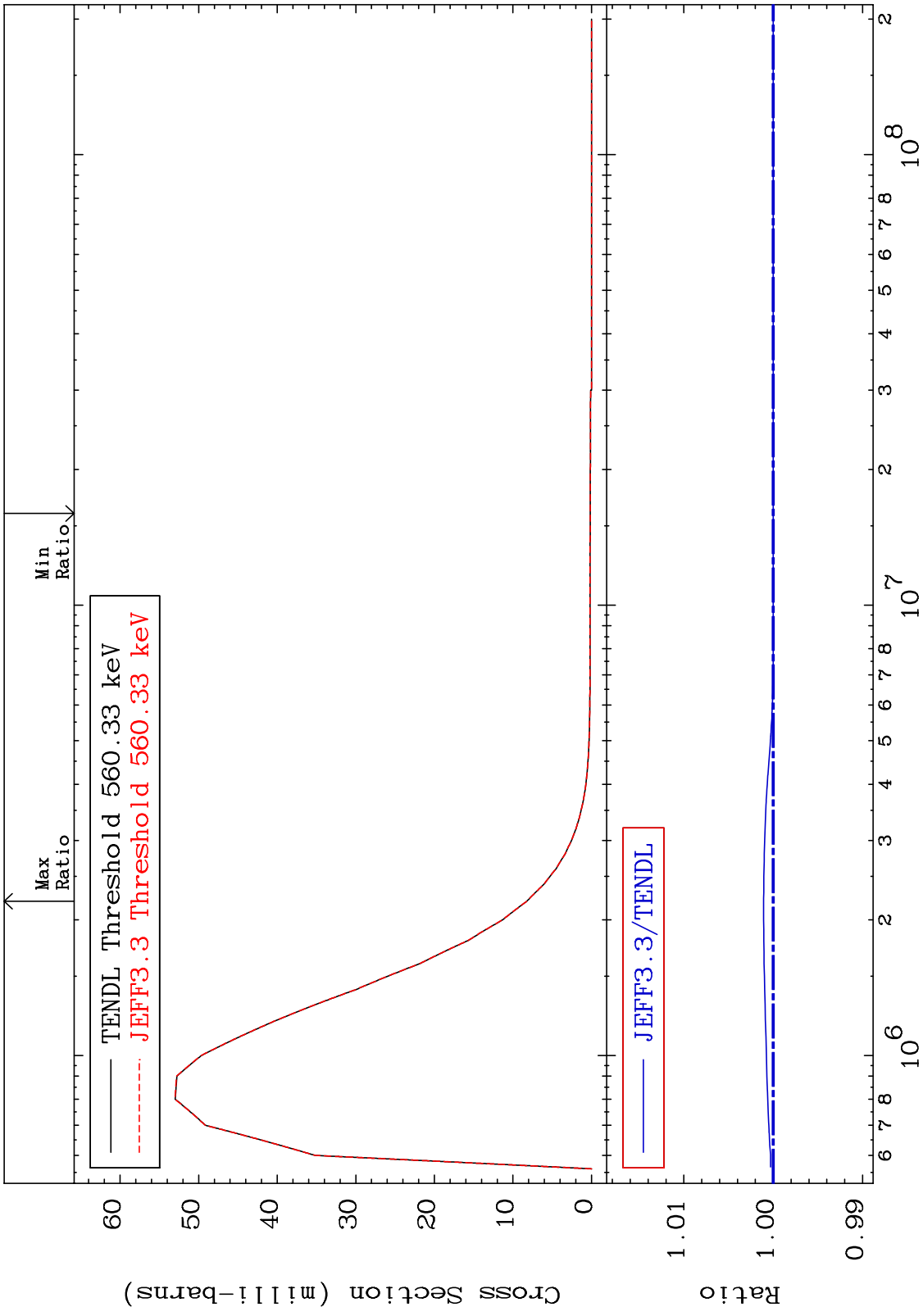
MAT 7640 MT= 68 (n,n') Level Cross Section 76-0s-189 To 0.121 %



MAT 7640 MT= 69 (n,n') Level Cross Section 76-0s-189 To 0.107 %

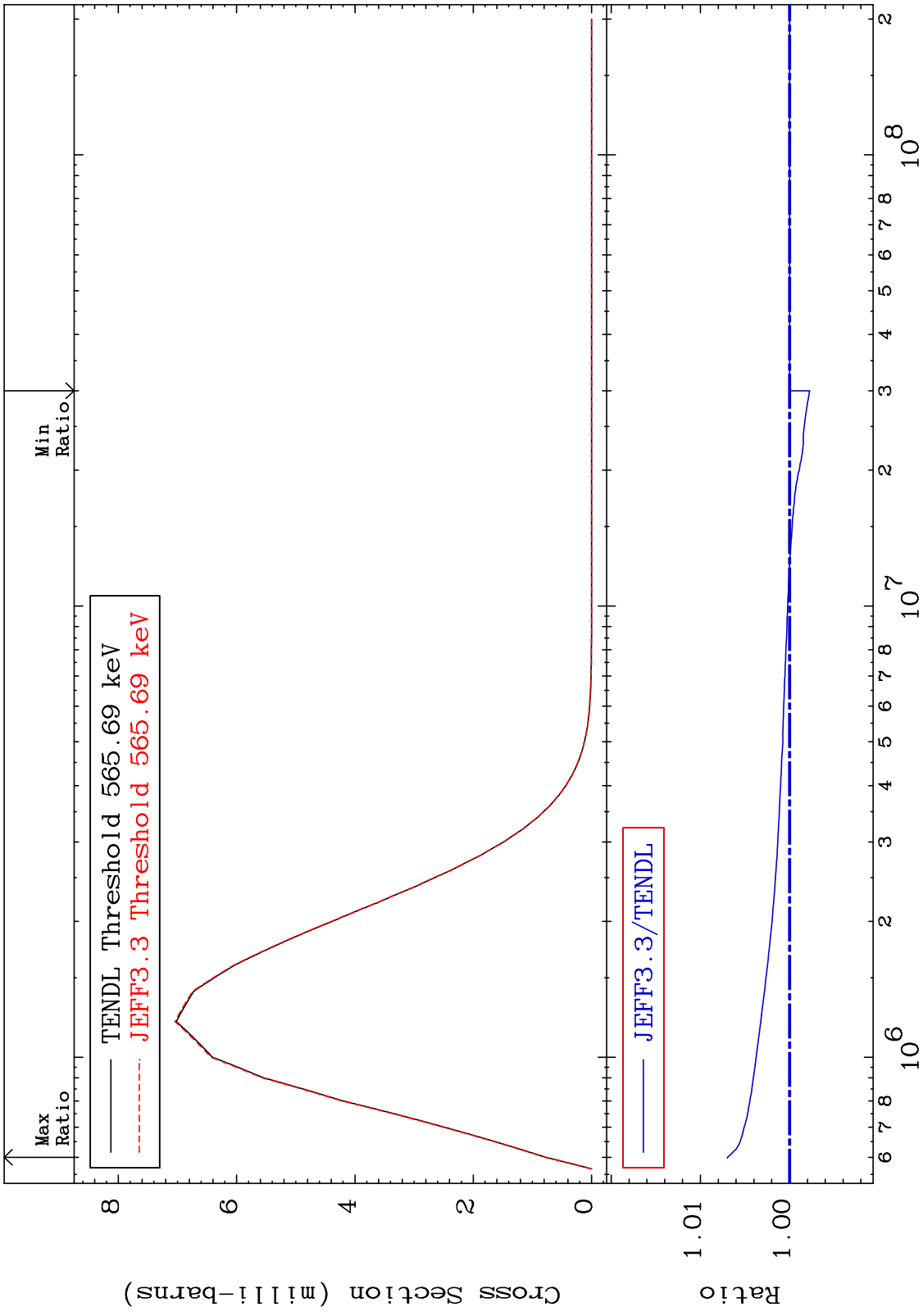


MAT 7640 MT= 70 (n,n') Level Cross Section 76-0s-189 To 0.107 %



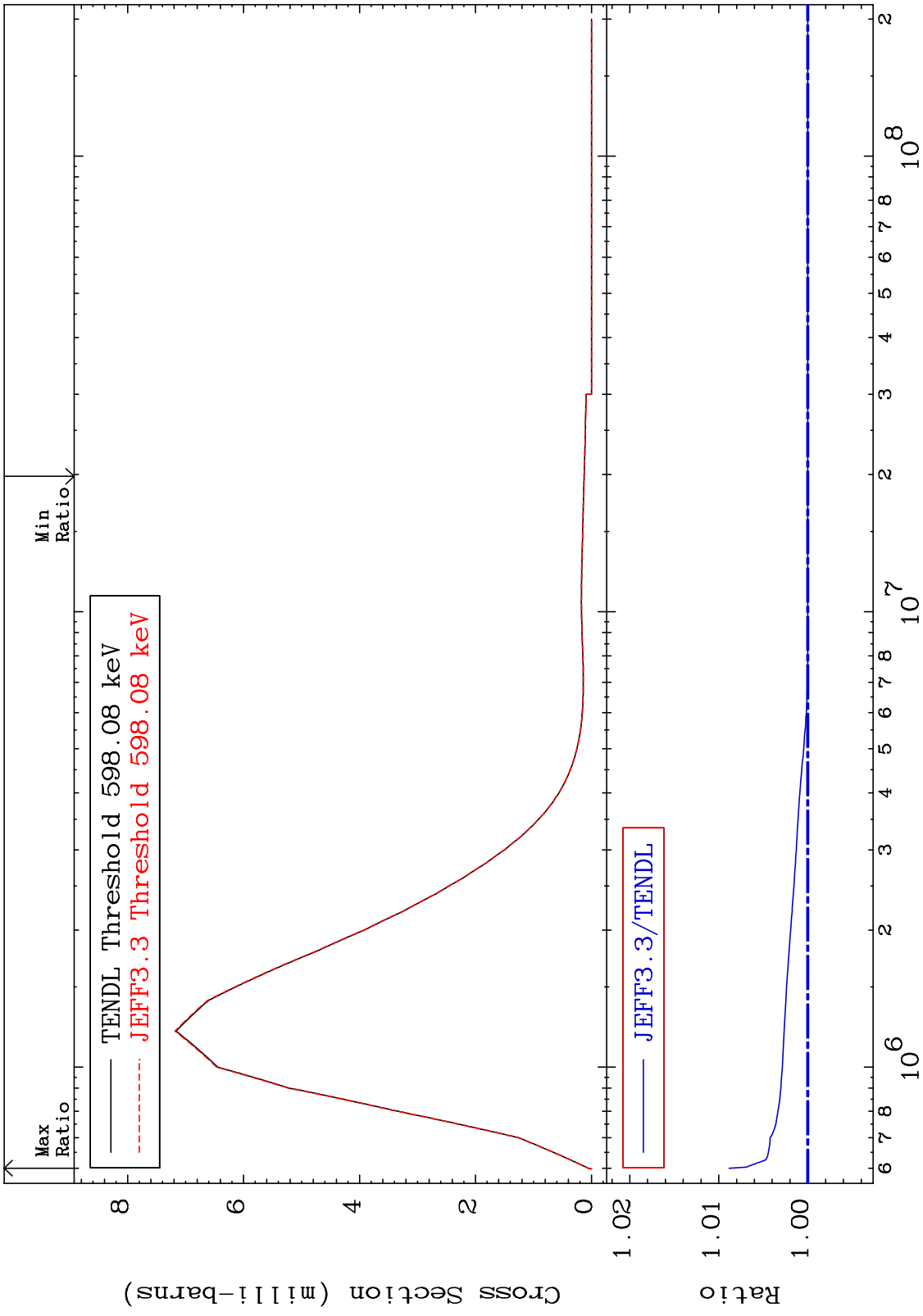


MAT 7640 MT= 71 (n,n') Level Cross Section 76-0s-189  
-0.225 To 0.699 %

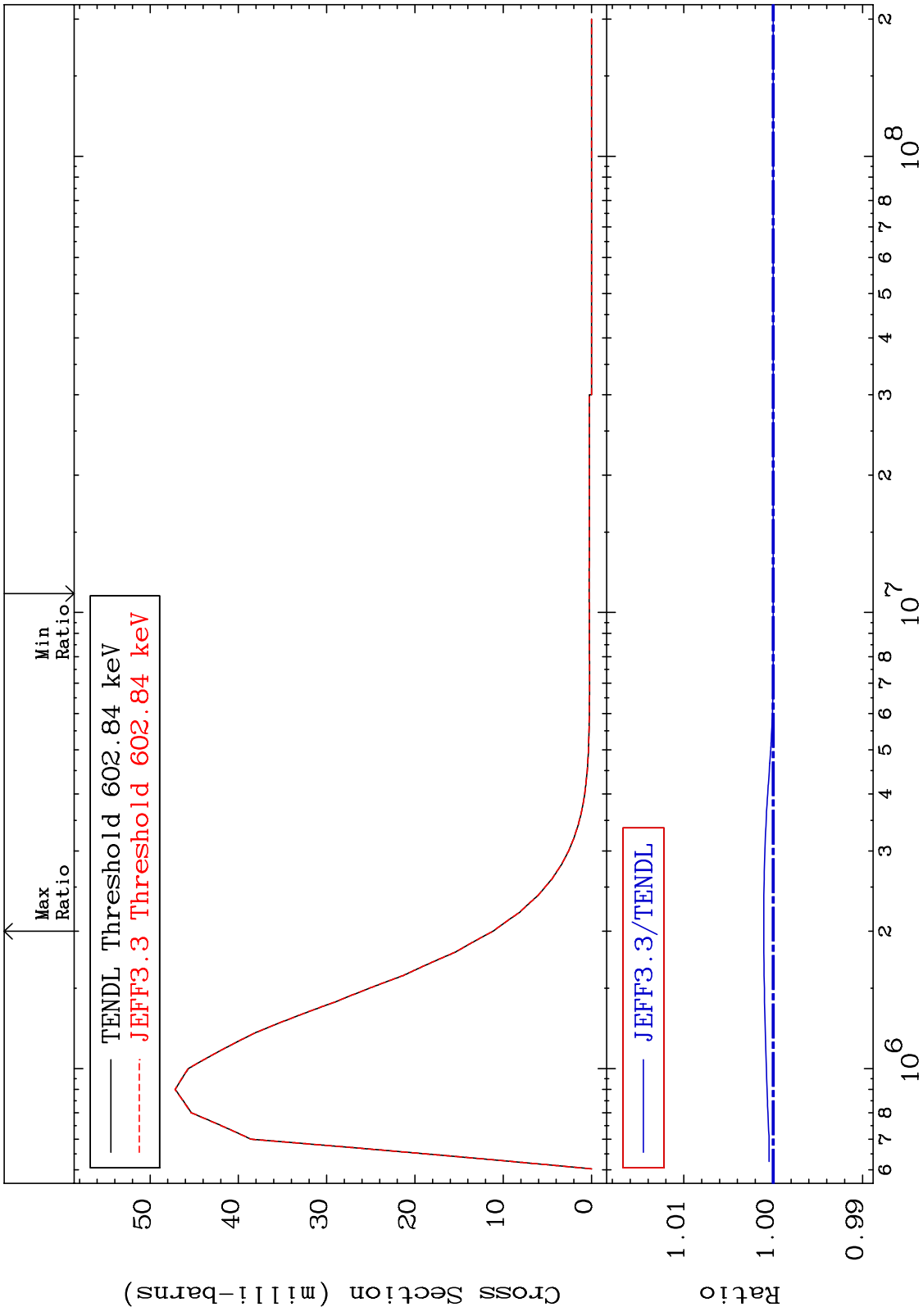


40 76-0s-189

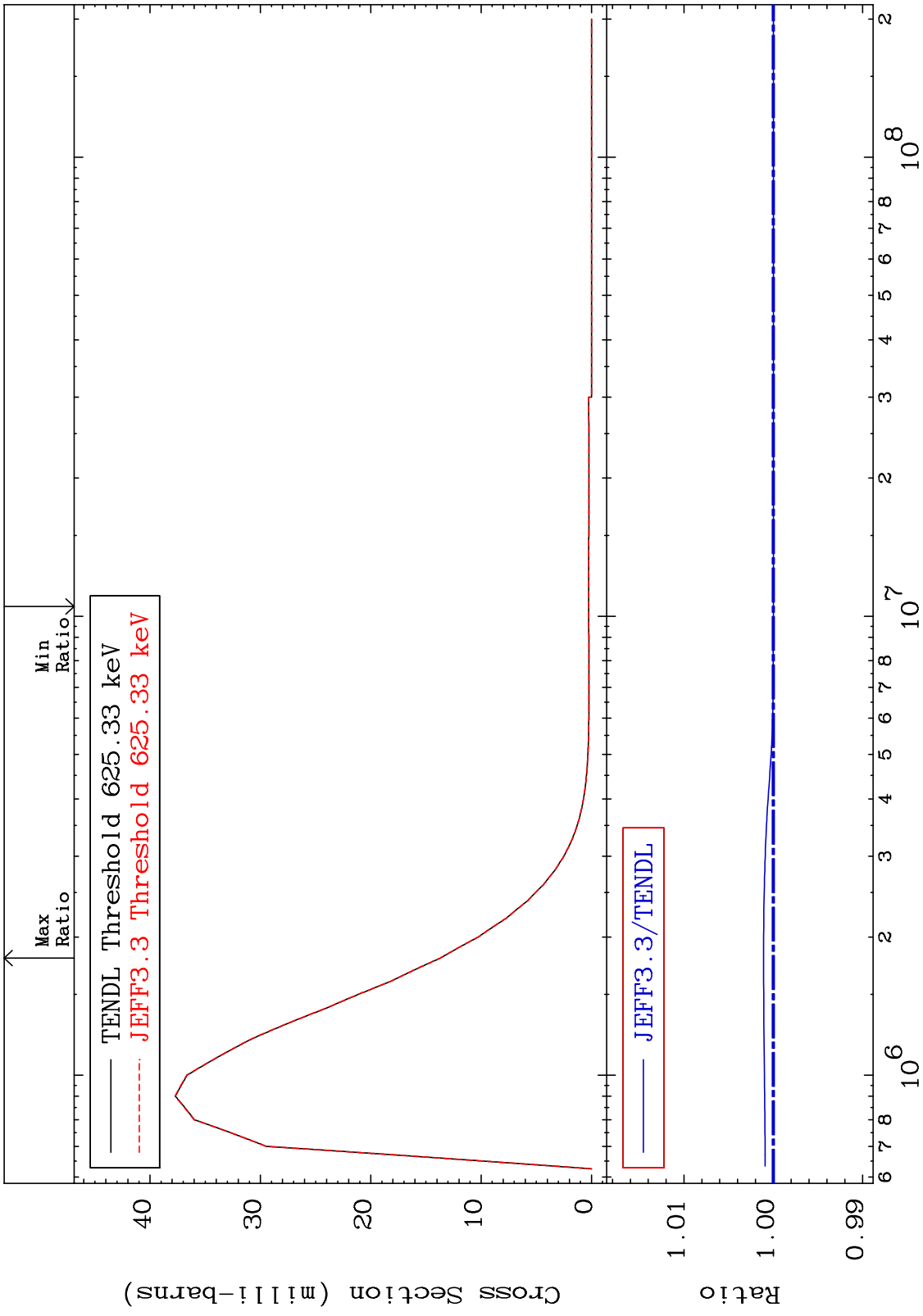
MAT 7640 MT= 72 (n,n') Level Cross Section 76-0s-189  
 0.000 To 0.884 %



MAT 7640 MT= 73 (n,n') Level Cross Section 76-0s-189 To 0.106 %

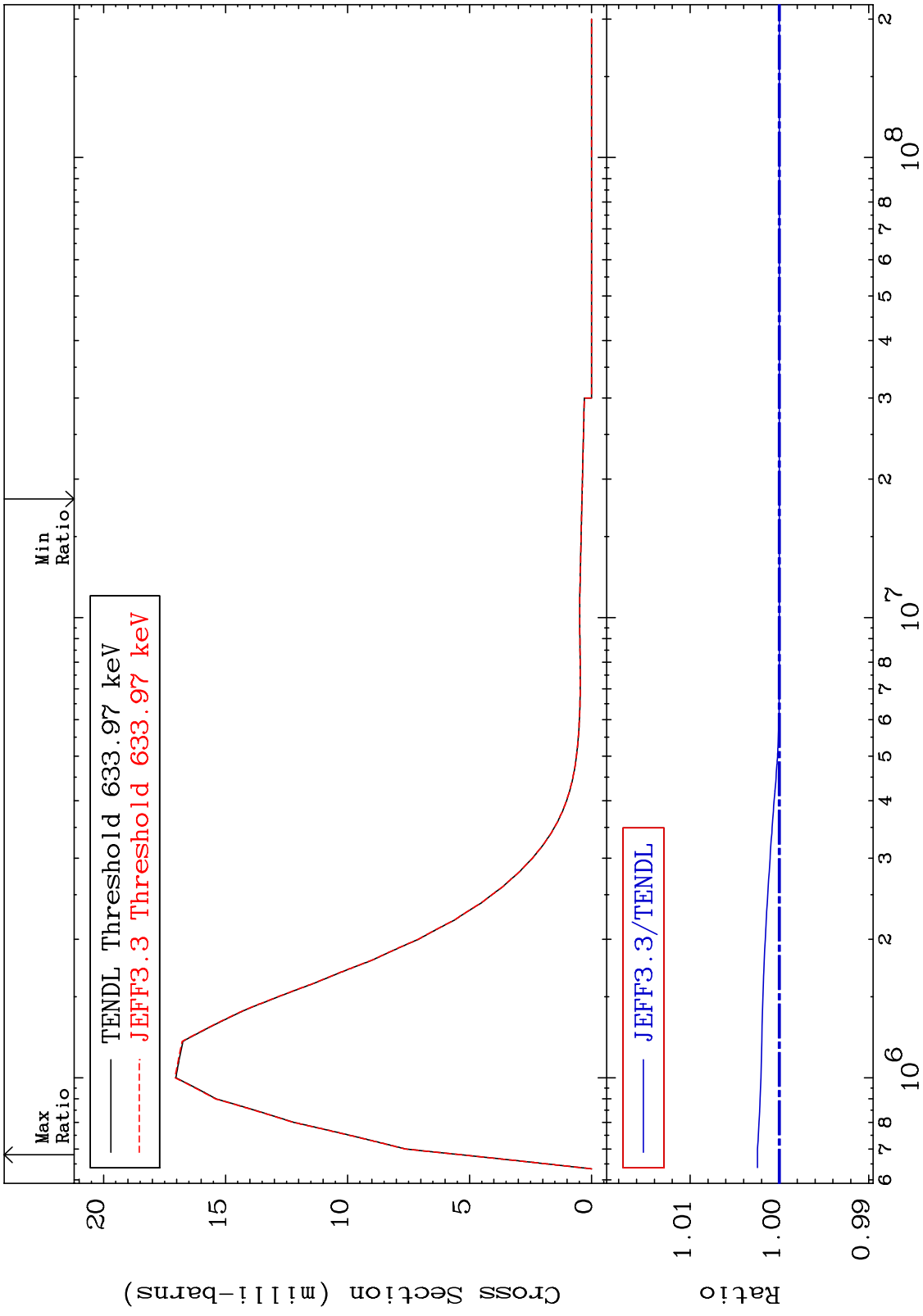


MAT 7640 MT= 74 (n,n') Level Cross Section 76-0s-189 To 0.110 %

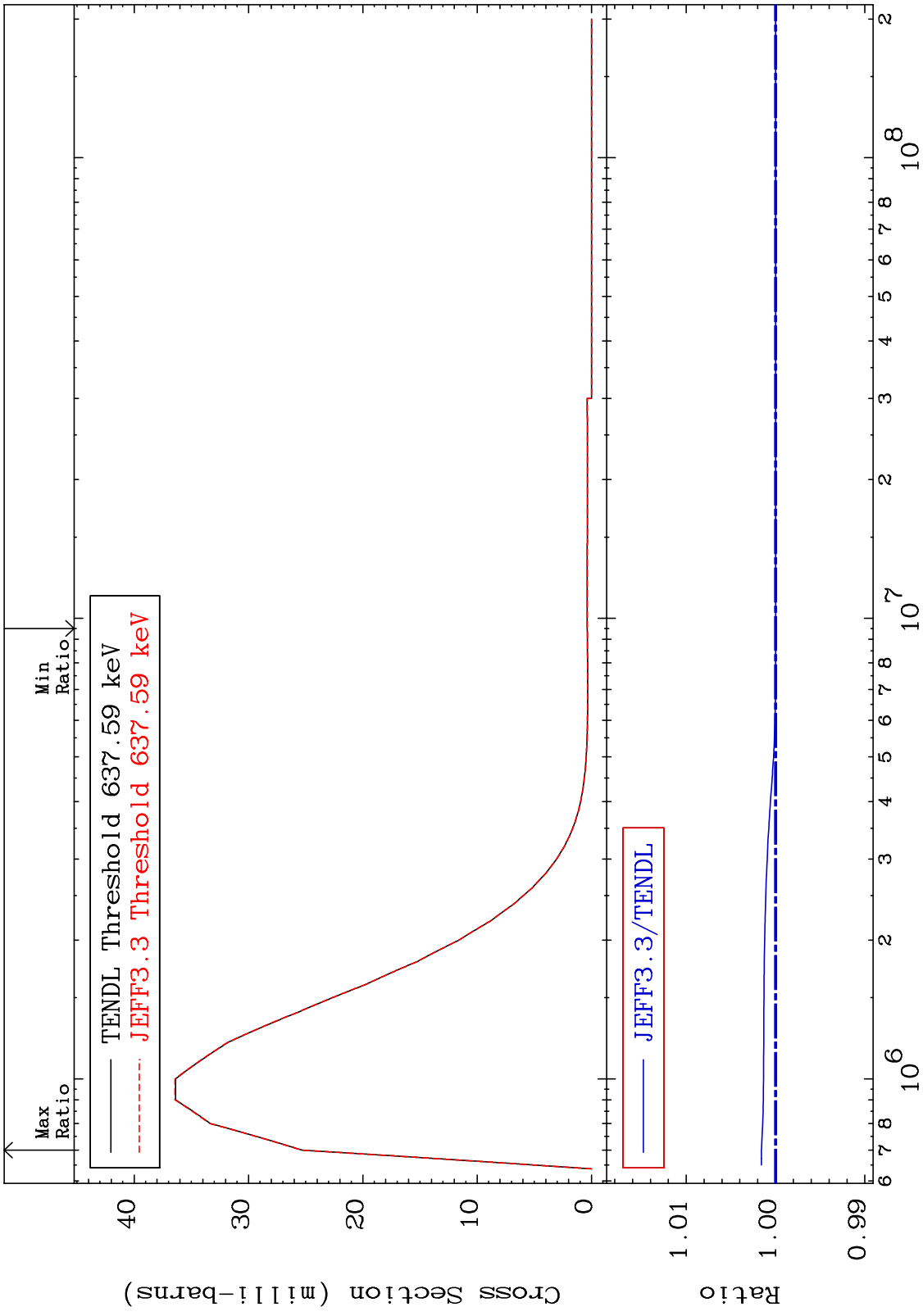


43 Incident Energy (eV) 76-0s-189

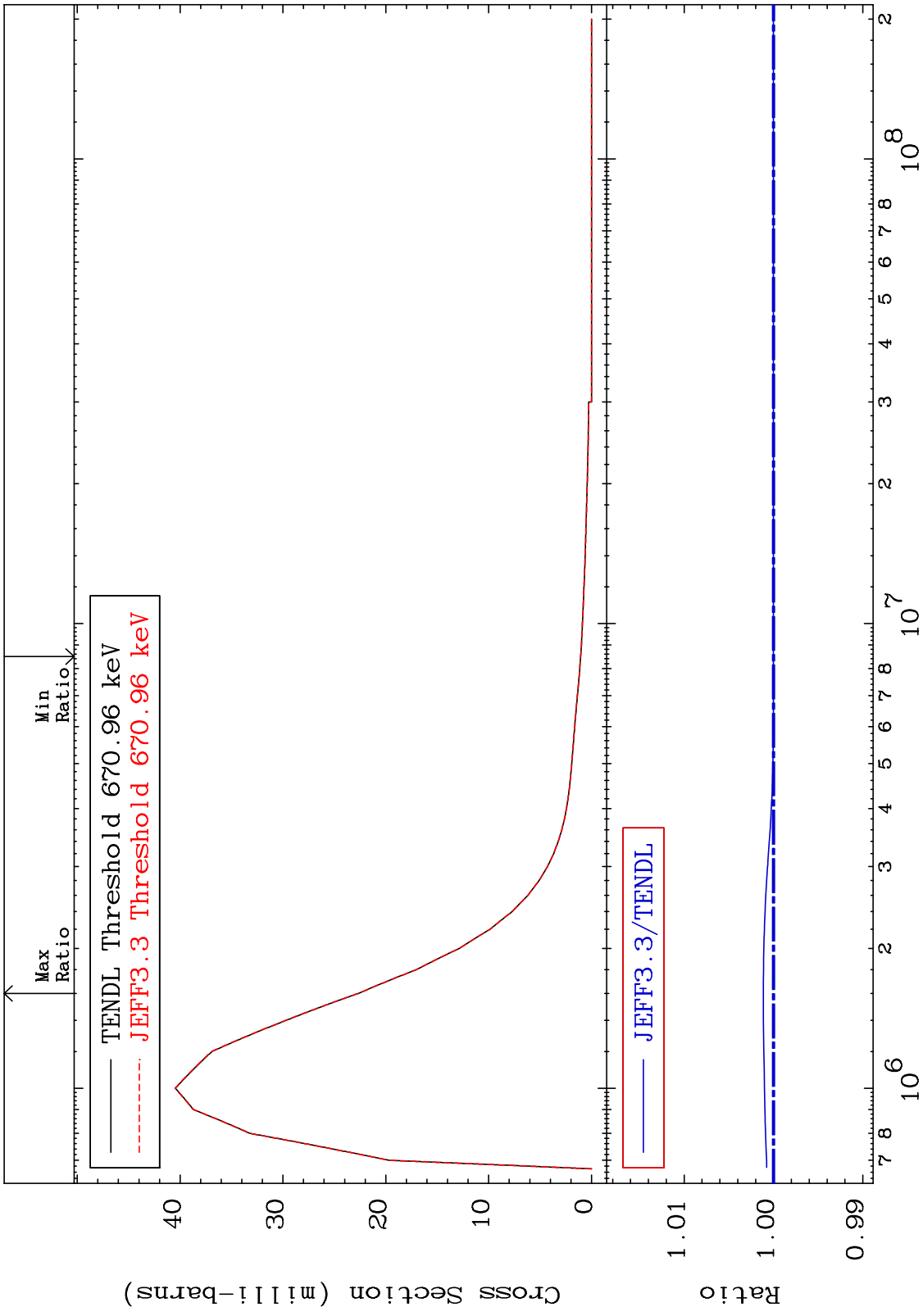
MAT 7640 MT= 75 (n,n') Level Cross Section 76-Os-189 To 0.245 %



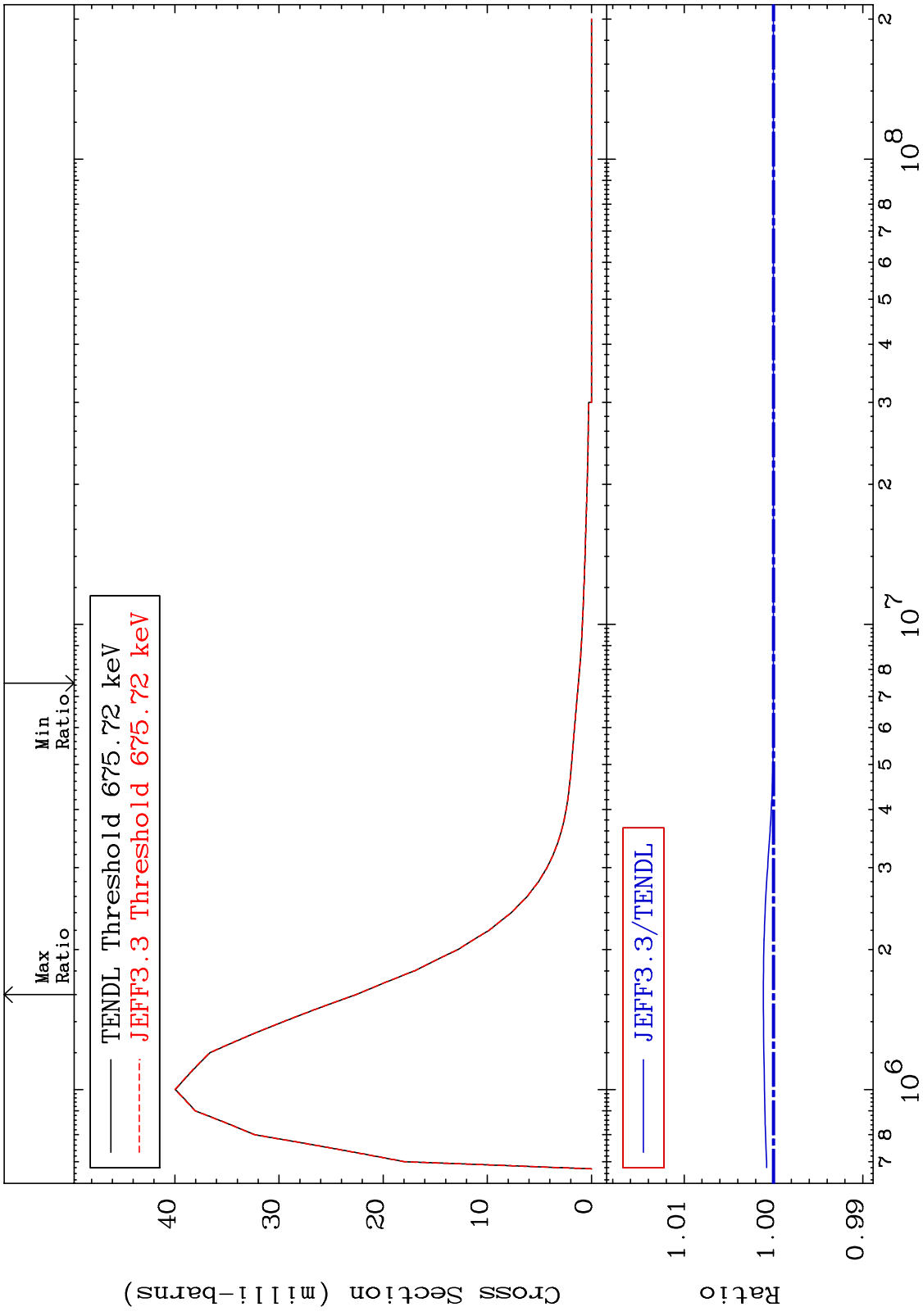
MAT 7640 MT= 76 (n,n') Level Cross Section 76-0s-189 To 0.159 %



MAT 7640 MT= 77 (n,n') Level Cross Section 76-0s-189 To 0.113 %

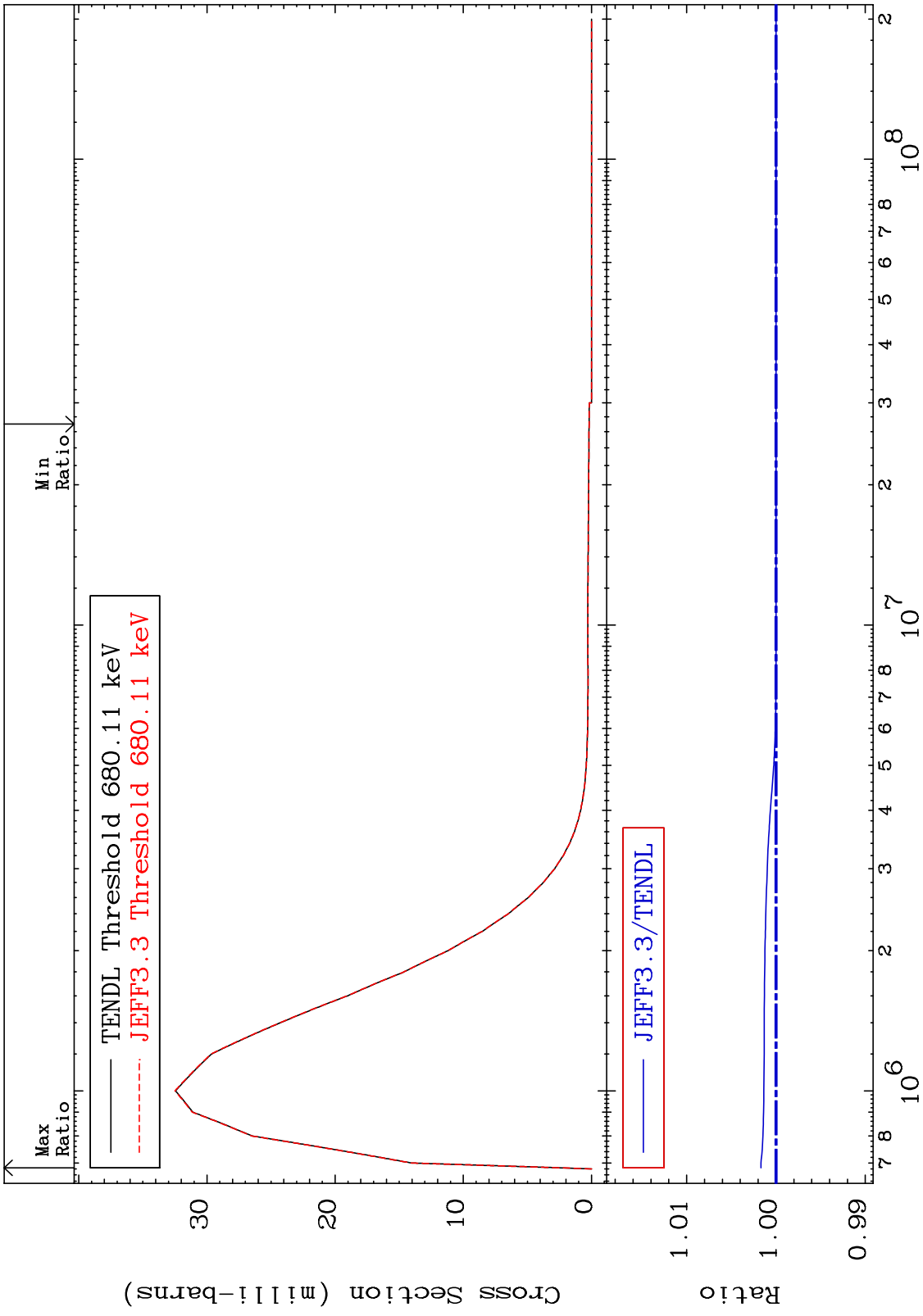


MAT 7640 MT= 78 (n,n') Level Cross Section 76-0s-189 To 0.113 %

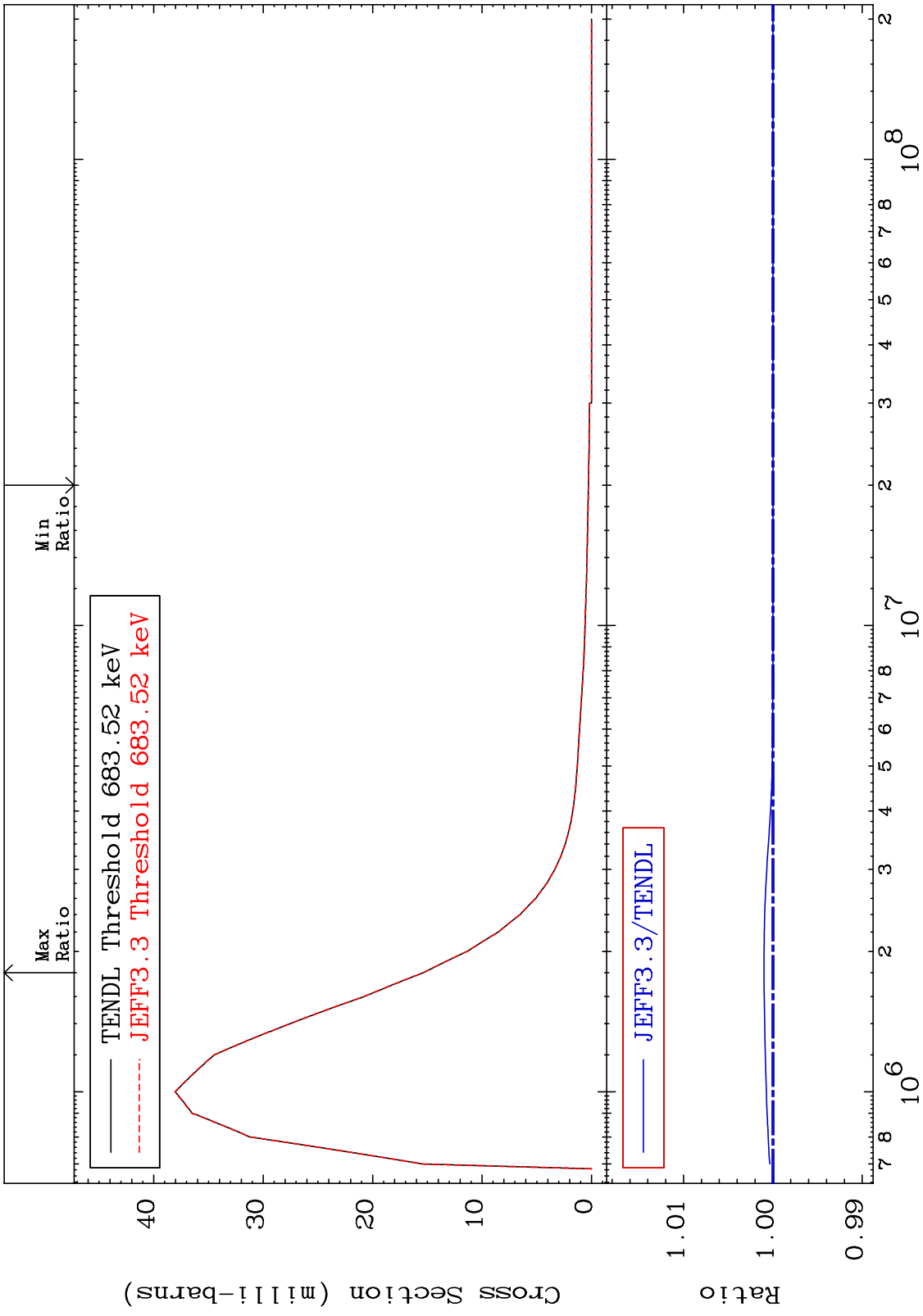




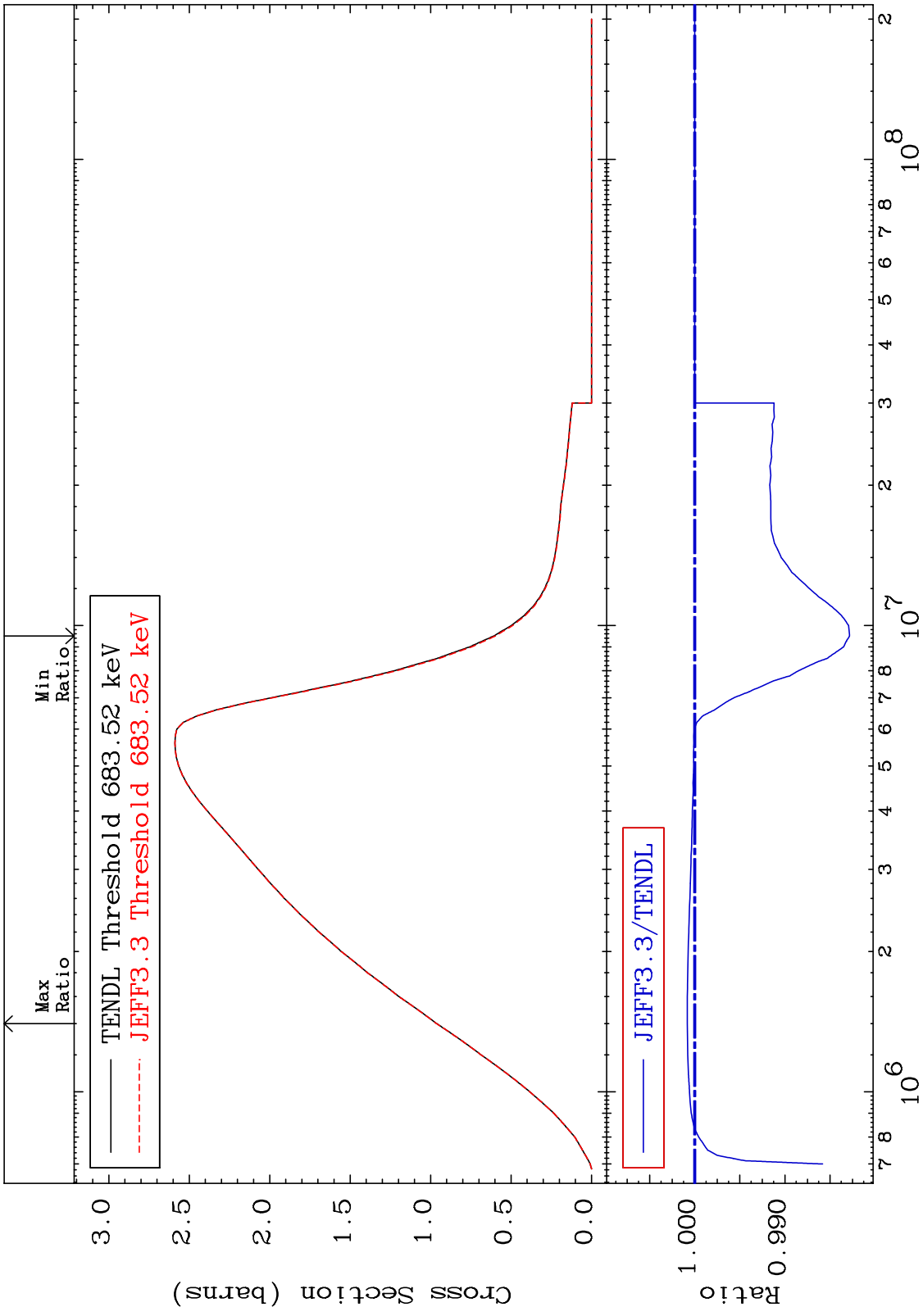
MAT 7640 MT= 79 (n,n') Level Cross Section 76-Os-189 To 0.169 %



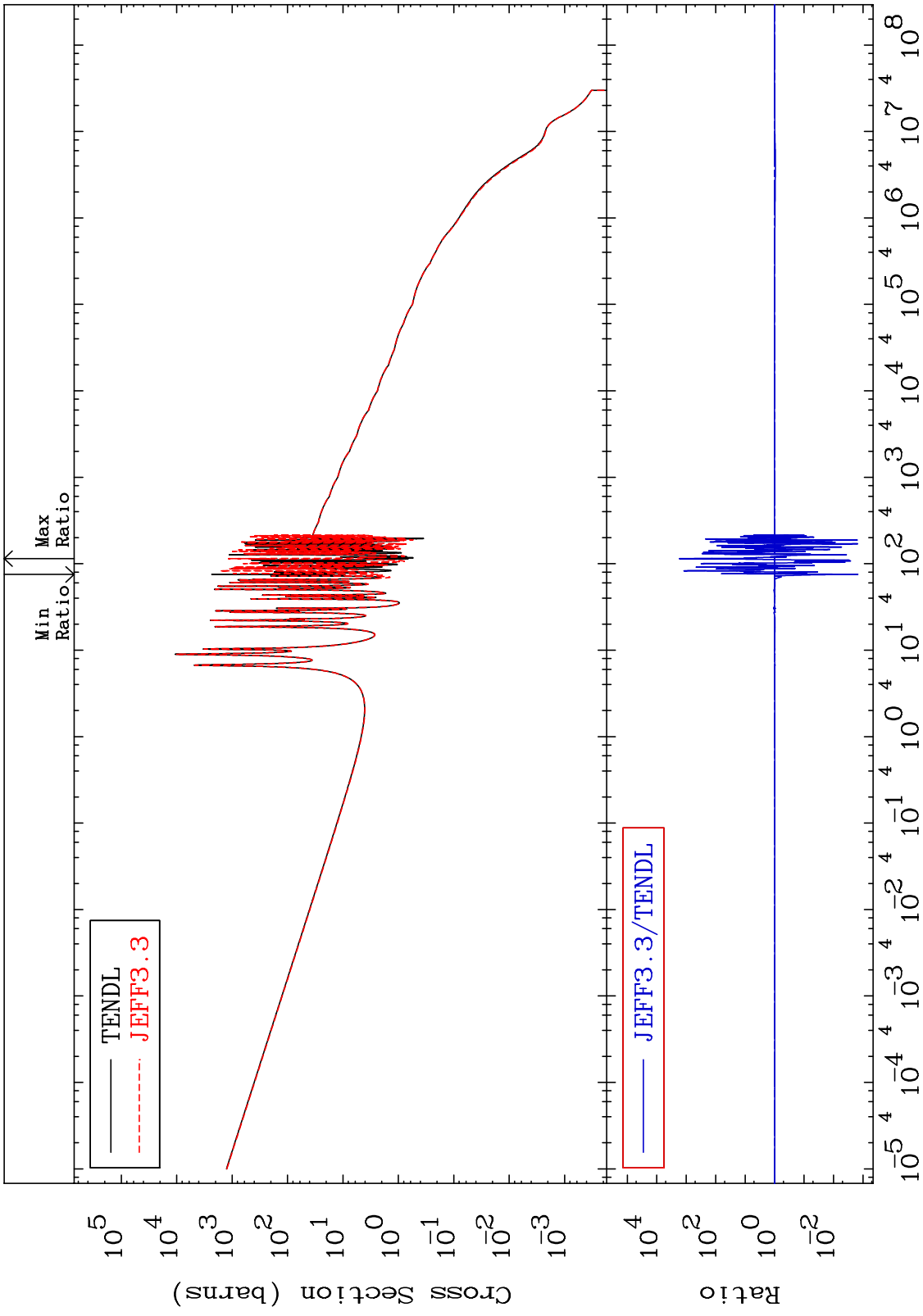
MAT 7640 MT= 80 (n,n') Level Cross Section 76-0s-189 To 0.100 %

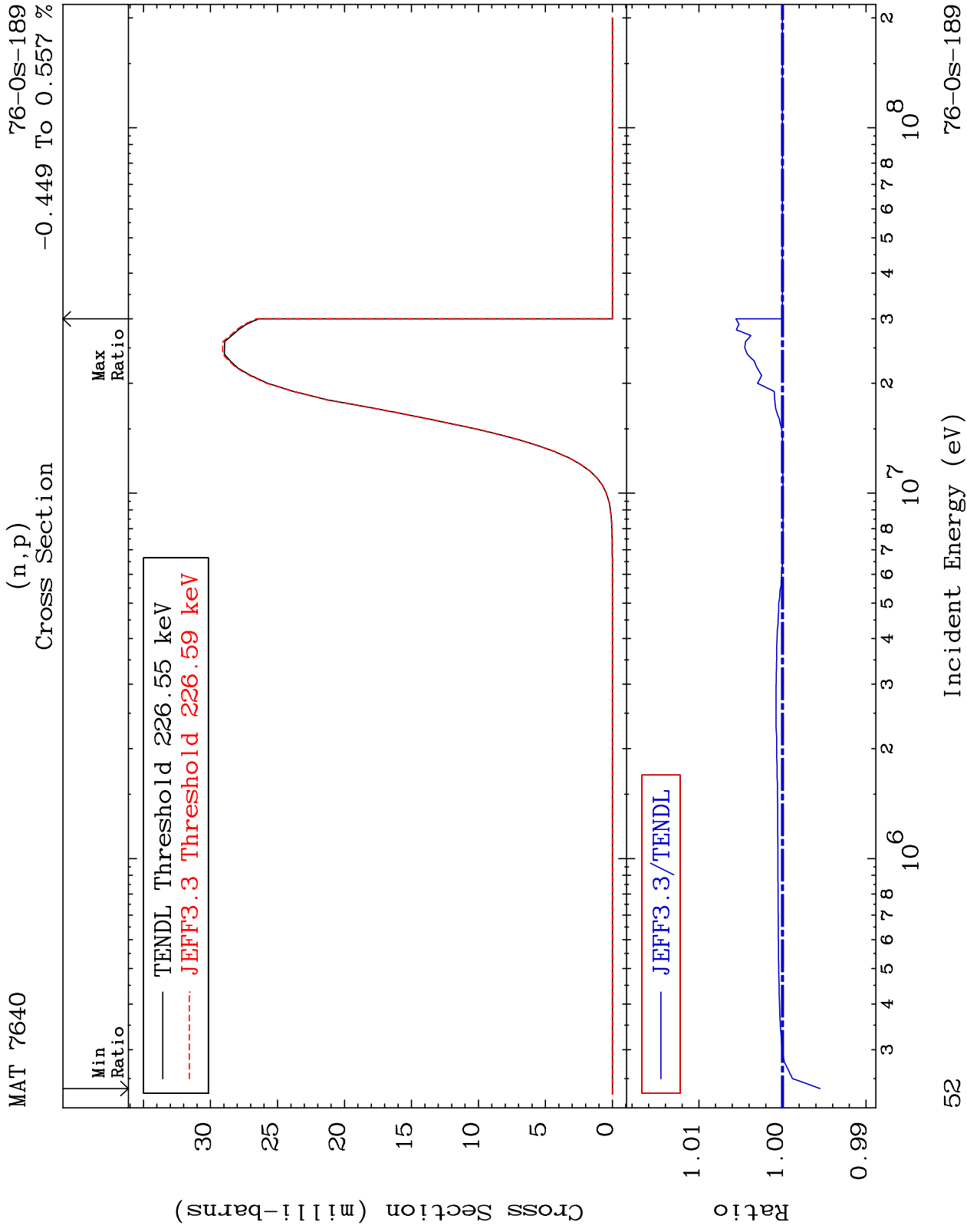


MAT 7640 (n, n') Continuum Cross Section 76-0s-189  
-1.718 To 0.083 %

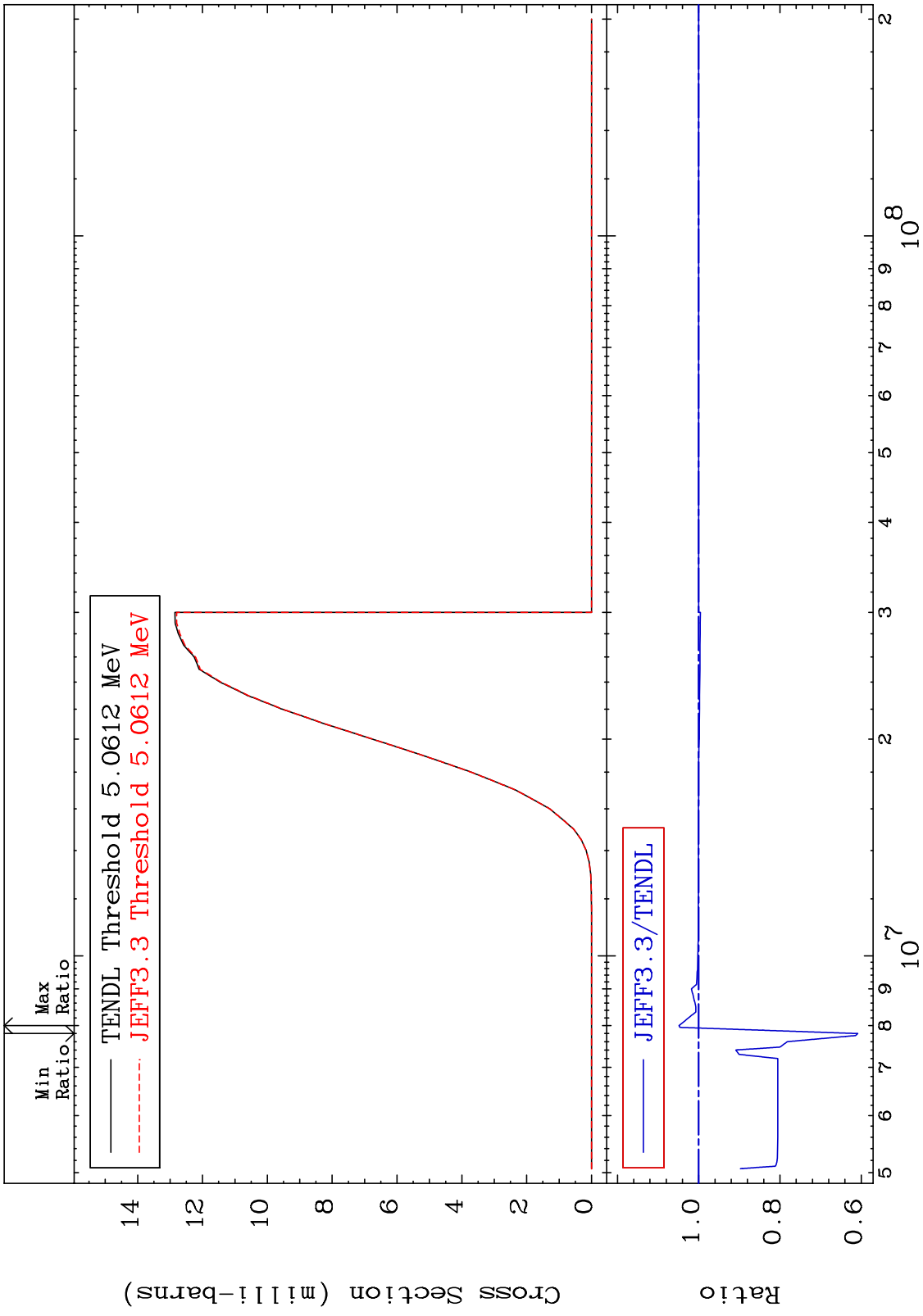


MAT 7640  $(n, \gamma)$  Cross Section 76-0s-189  
 -99.85 To 9999. %



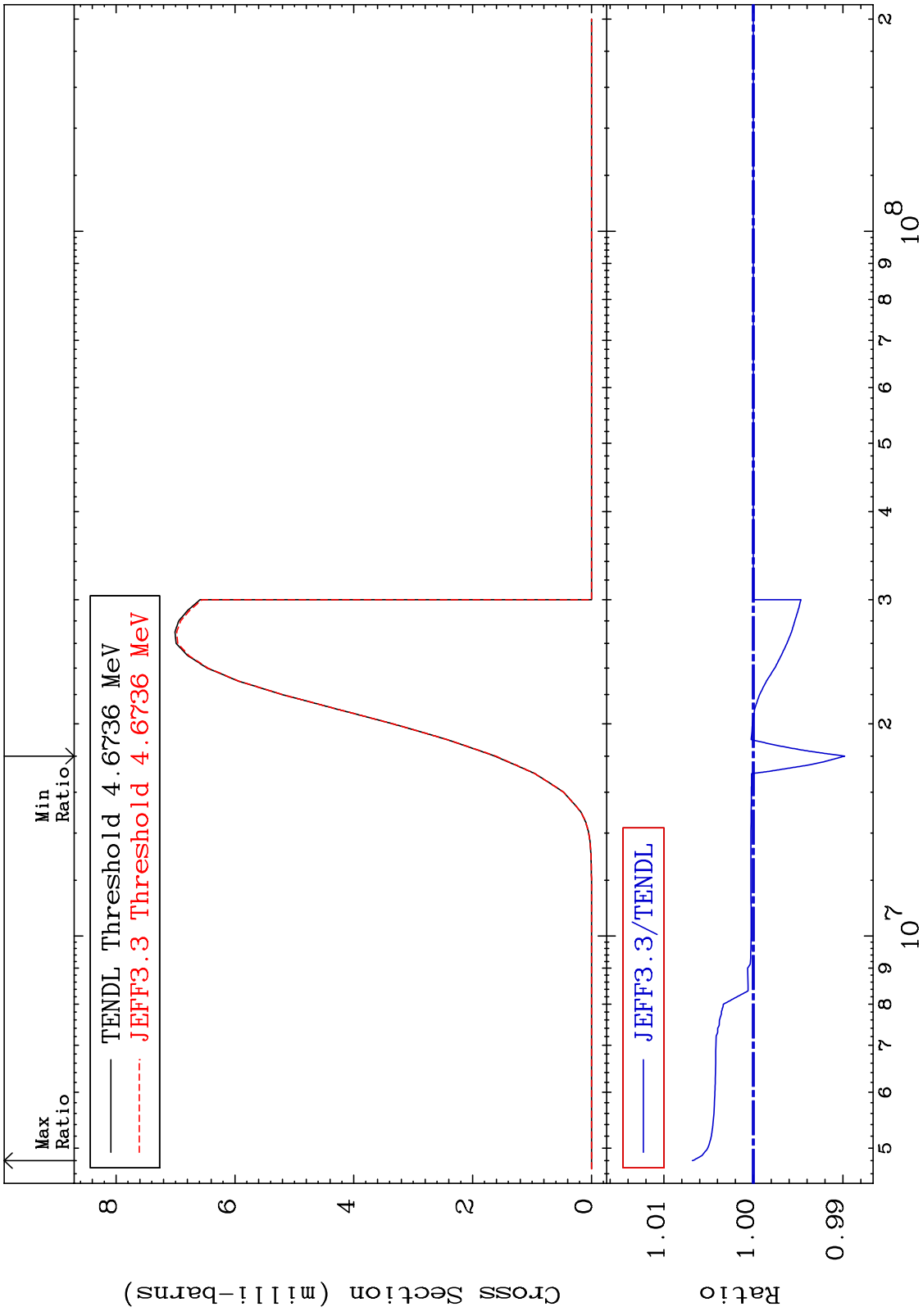


MAT 7640 (n,d) 76-0s-189  
 Cross Section -39.17 To 4.842 %



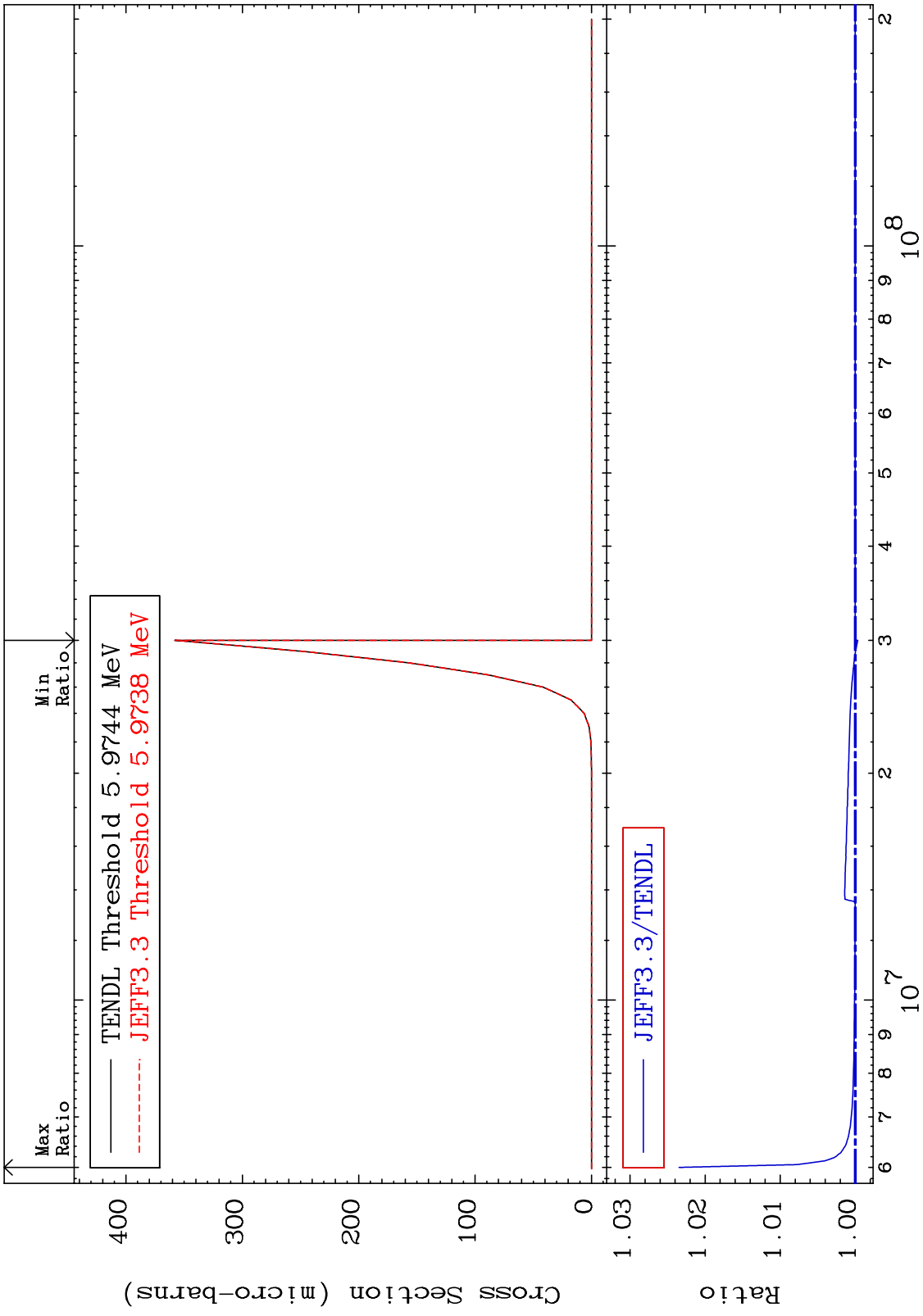
53 76-0s-189 Incident Energy (eV)

MAT 7640 (n,t) 76-0s-189  
 Cross Section -1.019 To 0.682 %



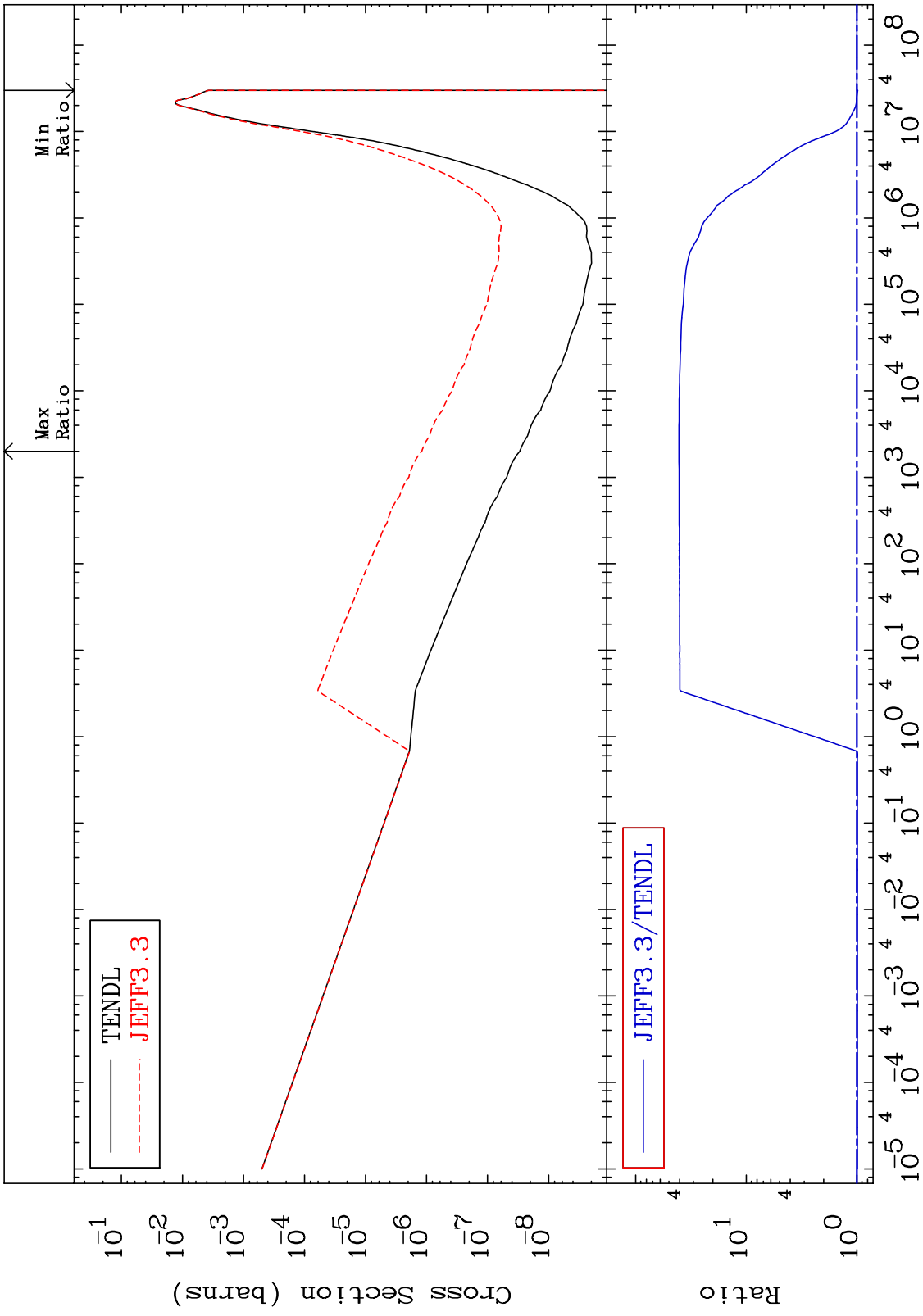
54 76-0s-189

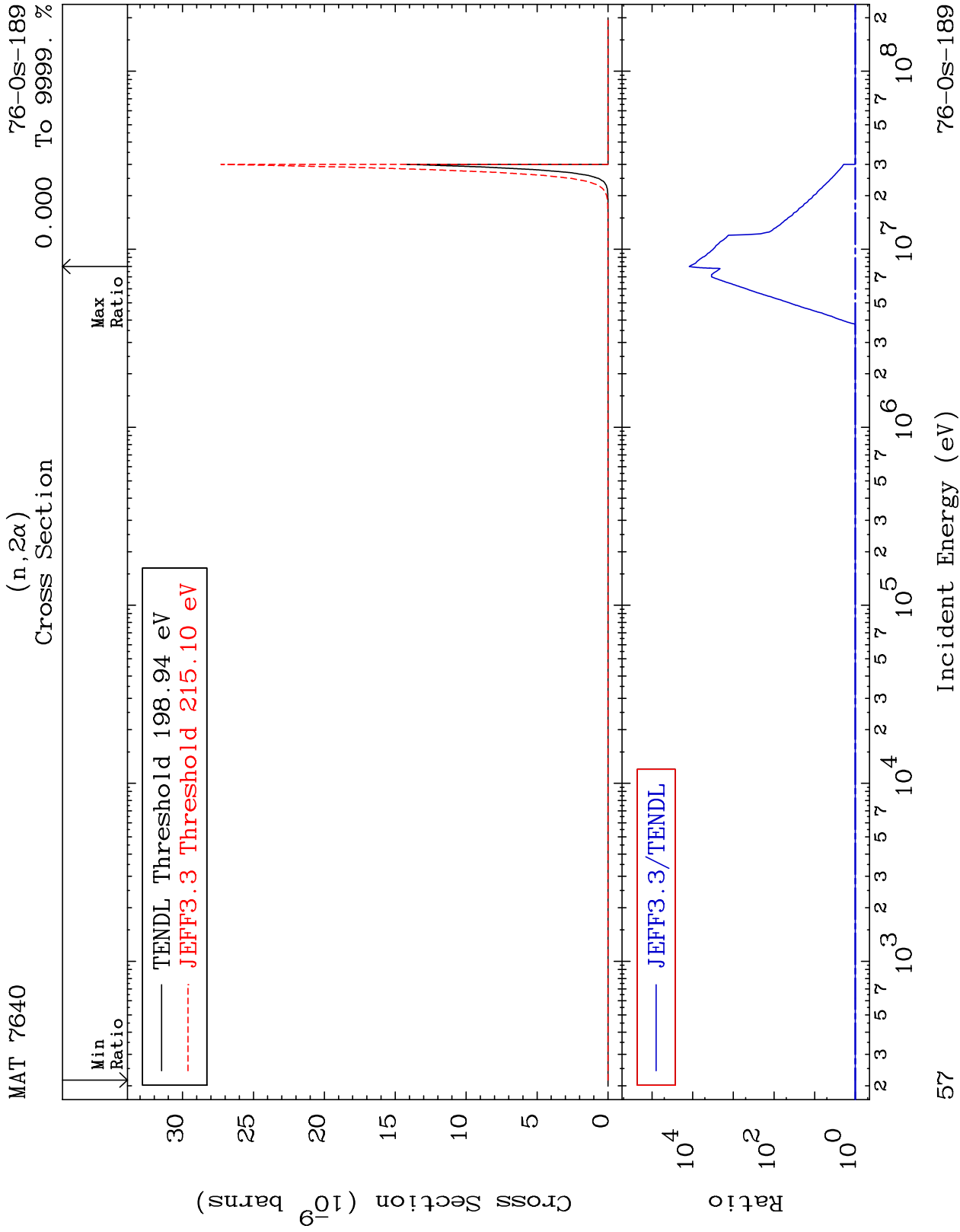
MAT 7640 (n, He-3) 76-0s-189  
 Cross Section -0.035 To 2.348 %



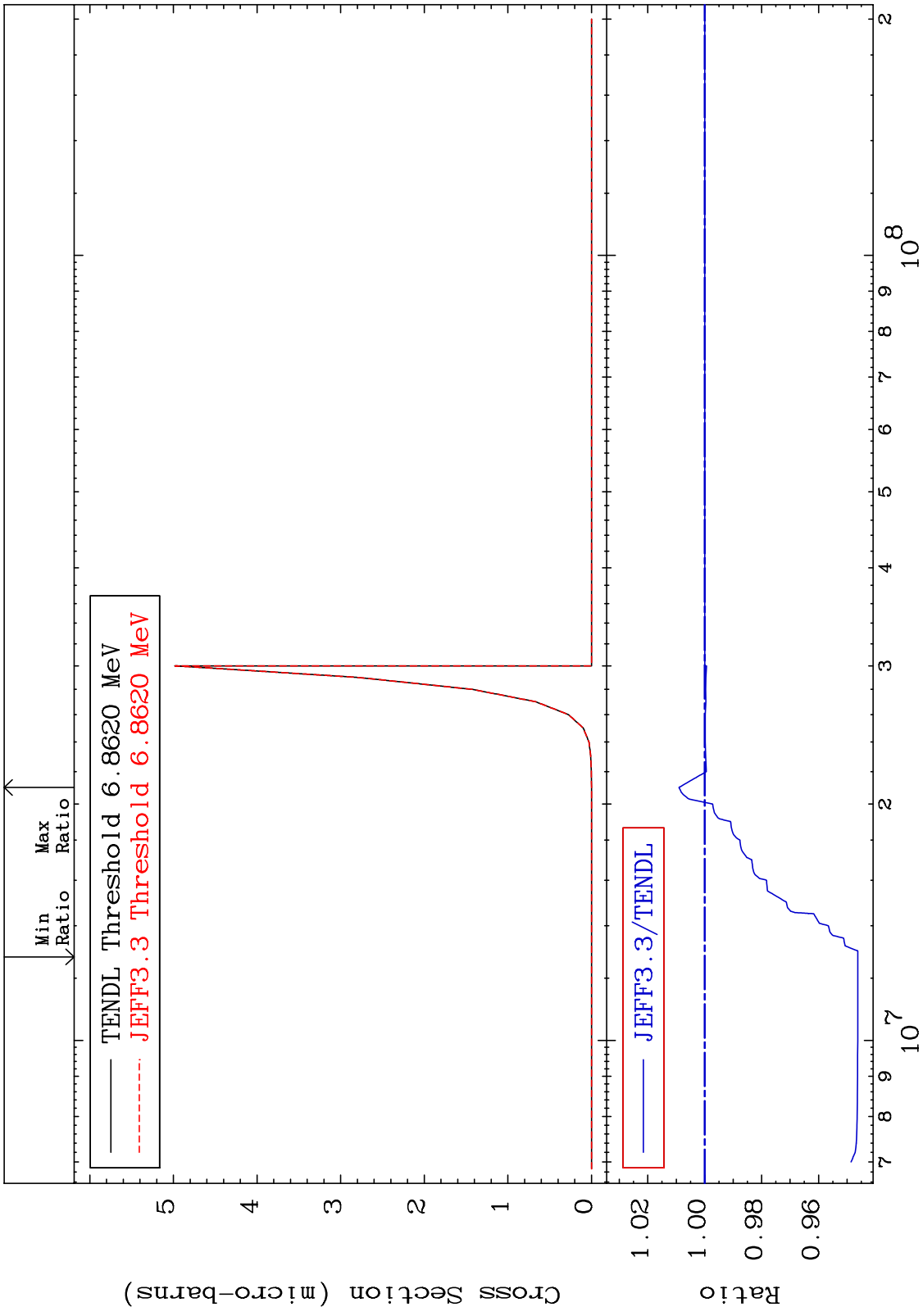


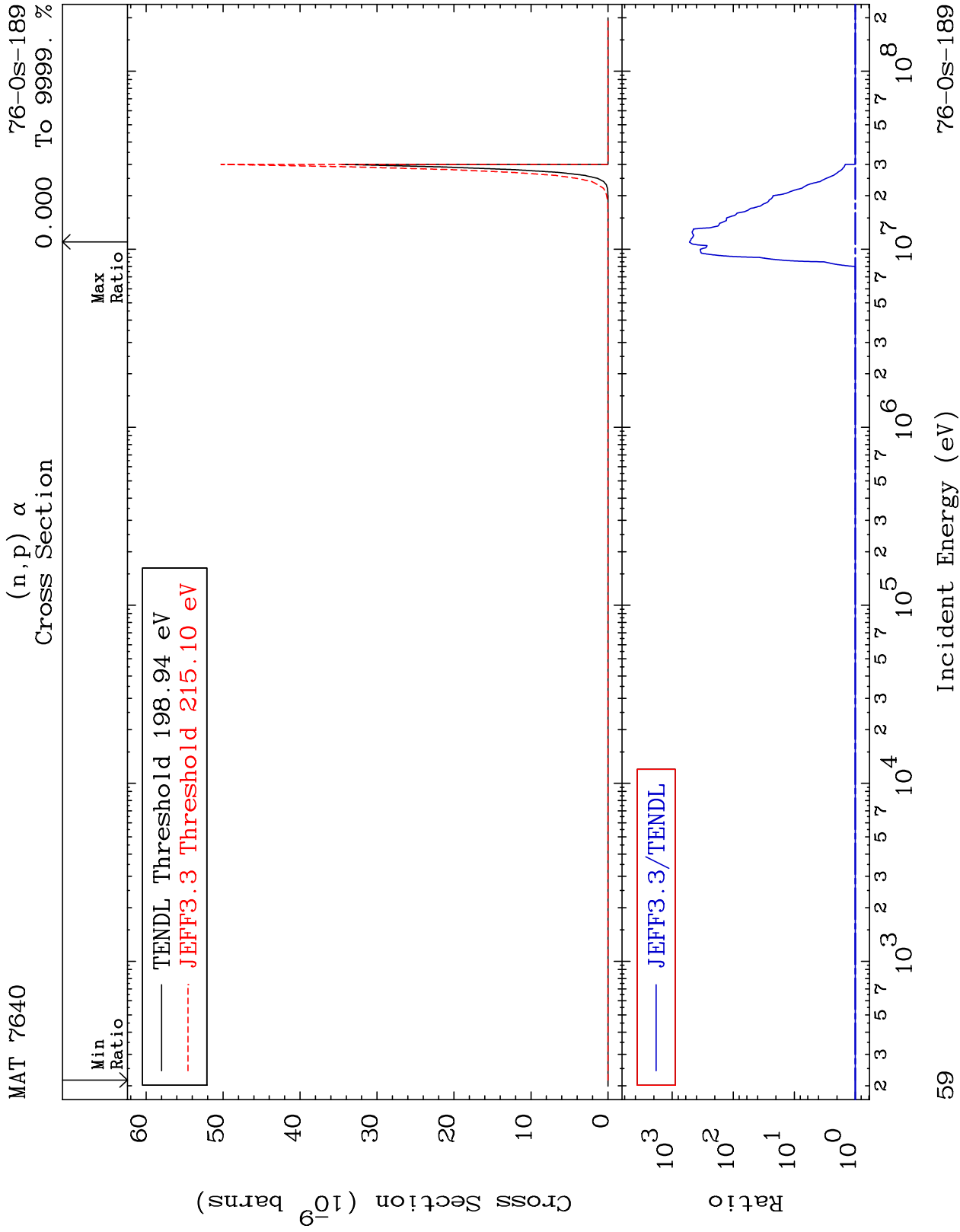
MAT 7640  $(n, \alpha)$  Cross Section 76-0s-189  
 -1.809 To 3950. %



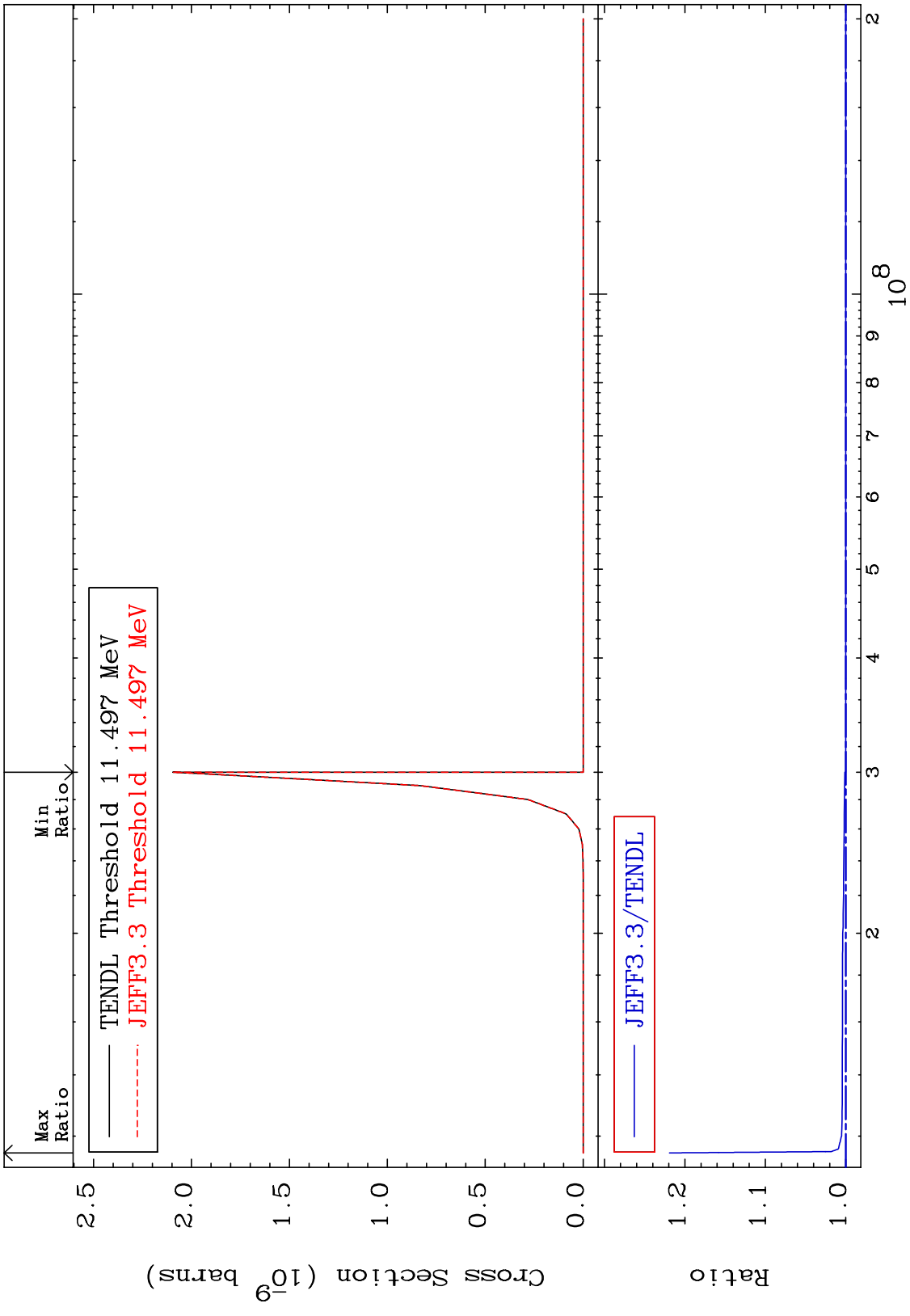


MAT 7640 (n,2p) Cross Section 76-0s-189  
 -5.380 To 0.902 %

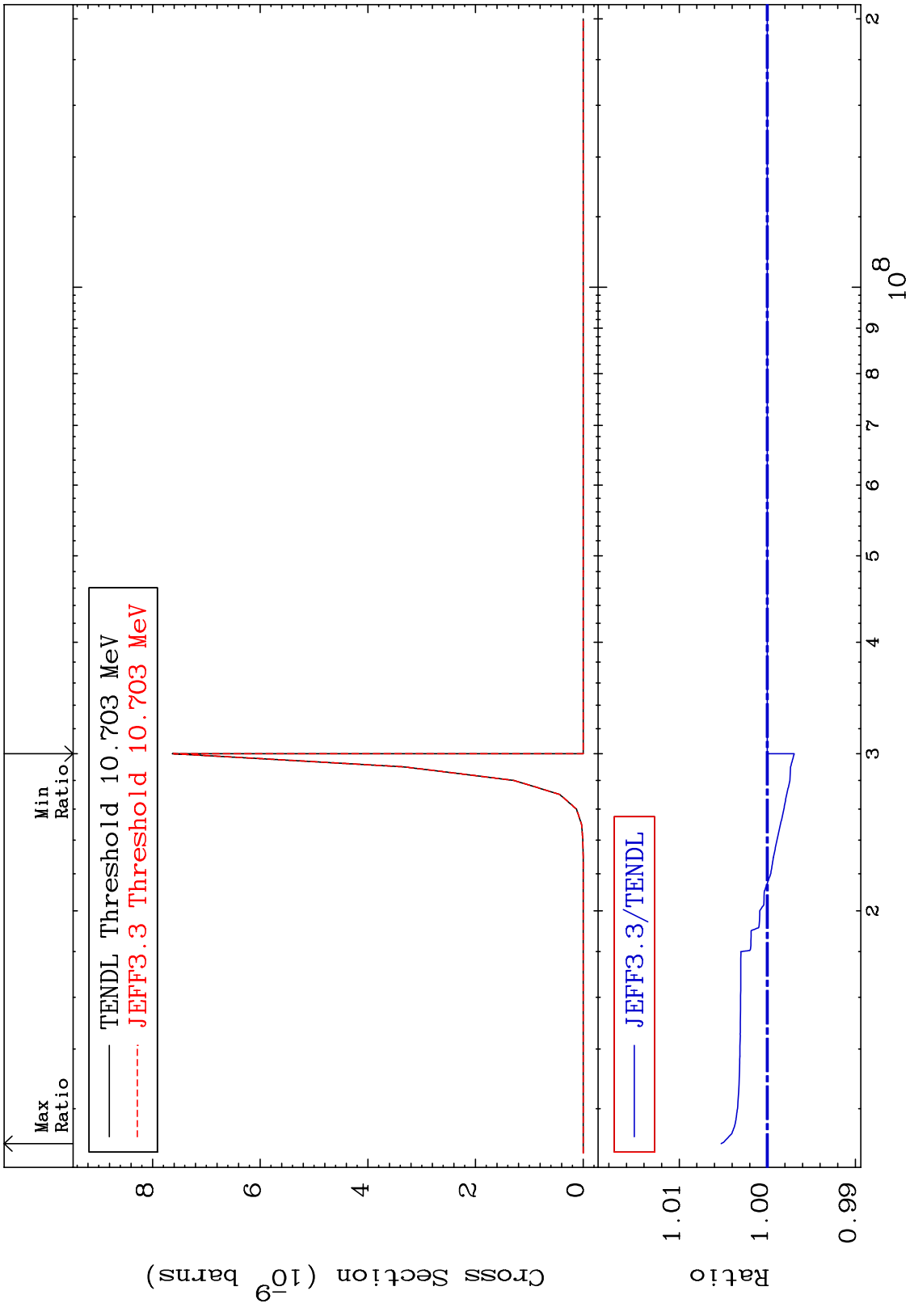




MAT 7640 (n,p) d 76-0s-189  
Cross Section 0.000 To 21.92 %



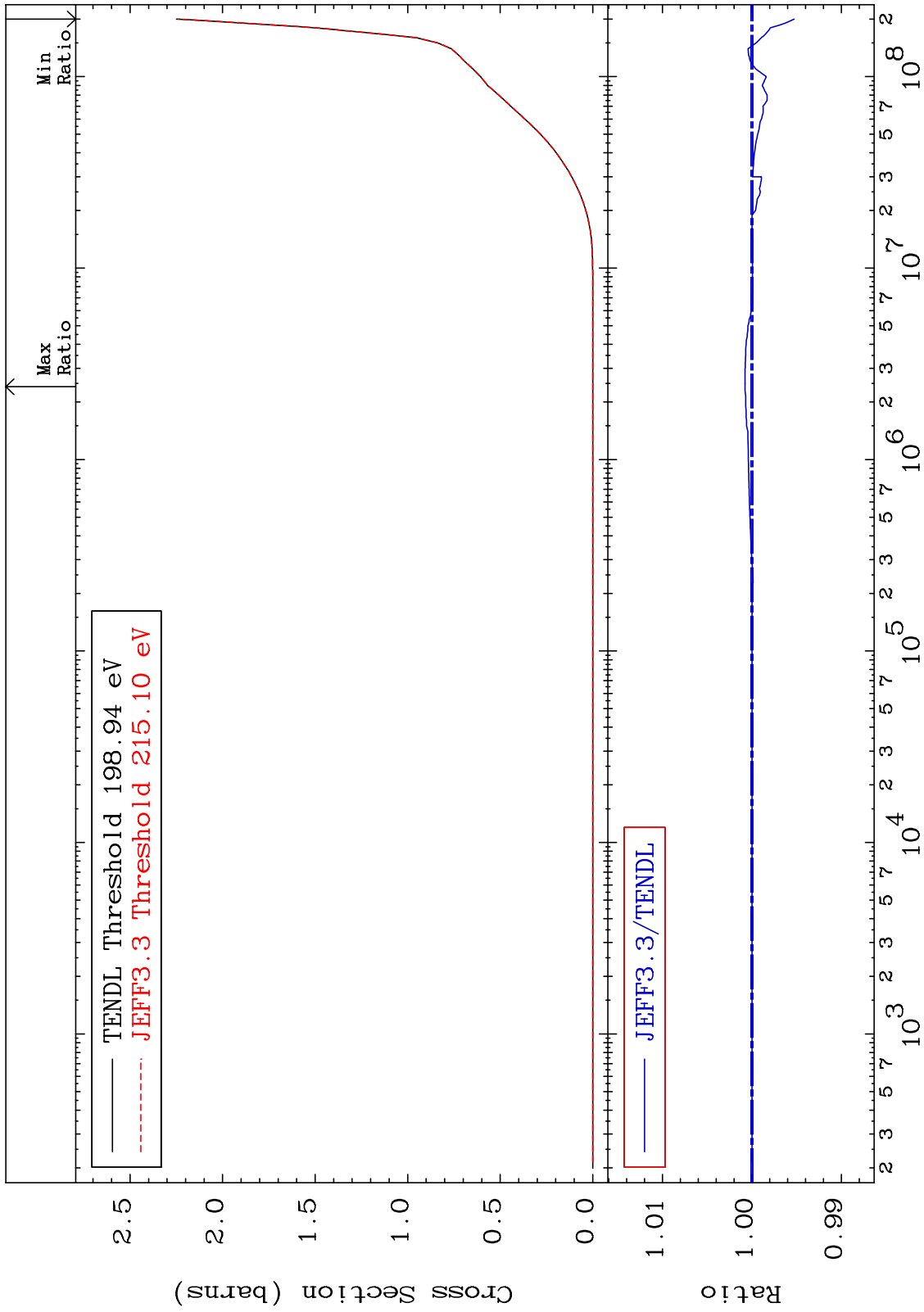
MAT 7640 (n,p) t 76-0s-189  
 Cross Section -0.305 To 0.526 %



MAT 7640

Hydrogen Production  
Cross Section

76-0s-189  
-0.472 To 0.078 %



62

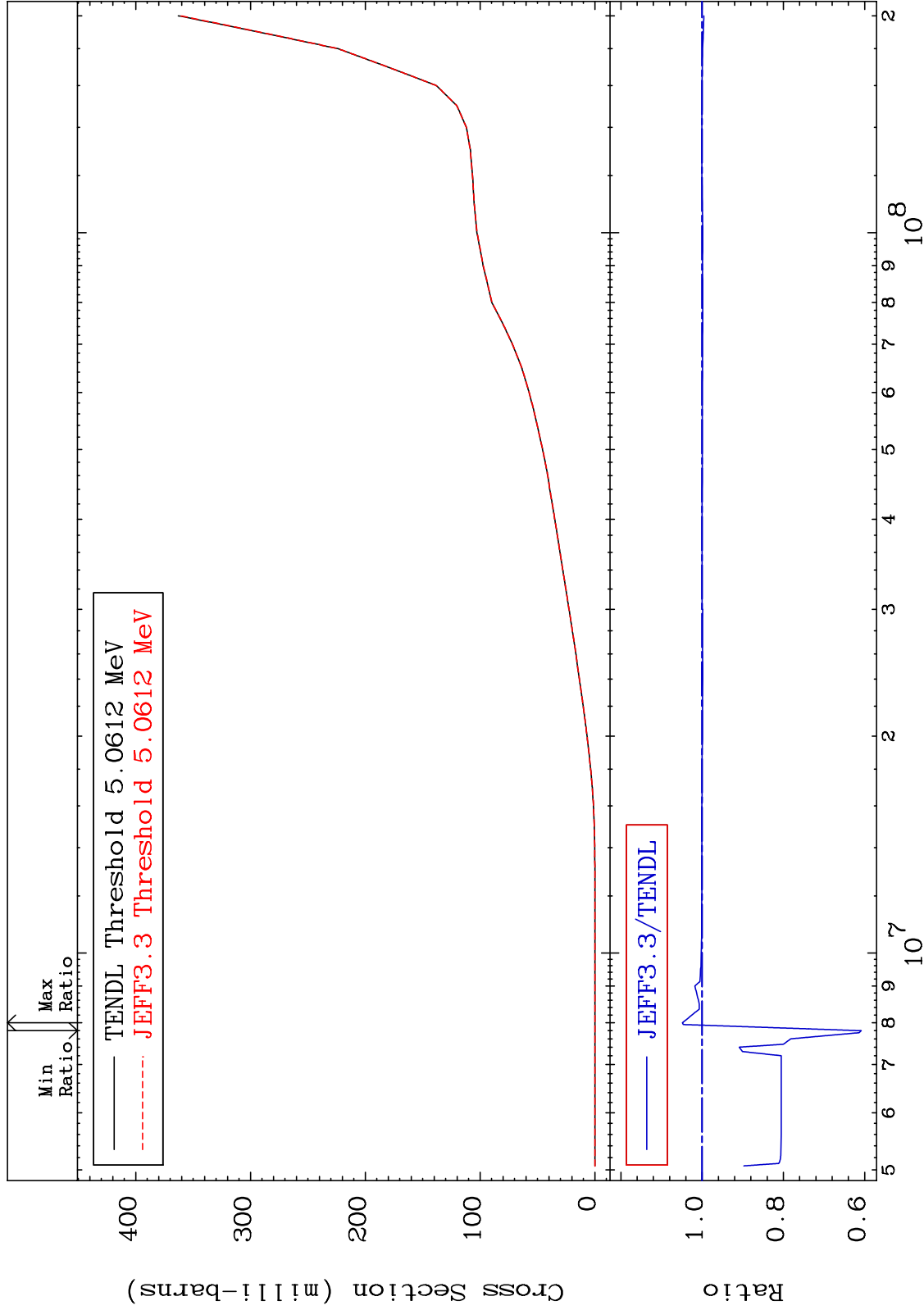
Incident Energy (eV)

76-0s-189

MAT 7640

### Deuterium Production Cross Section

76-0s-189  
-39.17 To 4.842 %

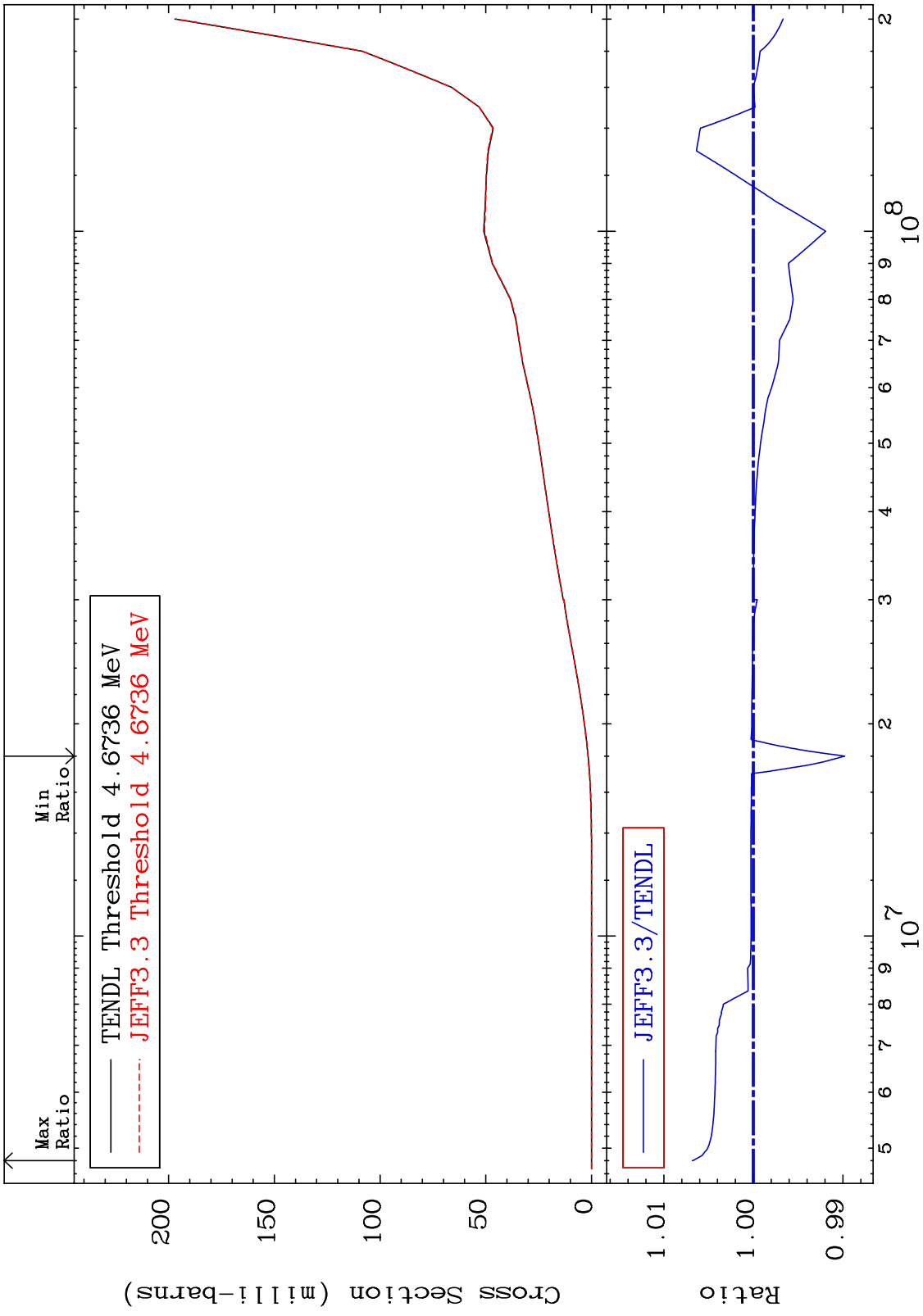


63

76-0s-189

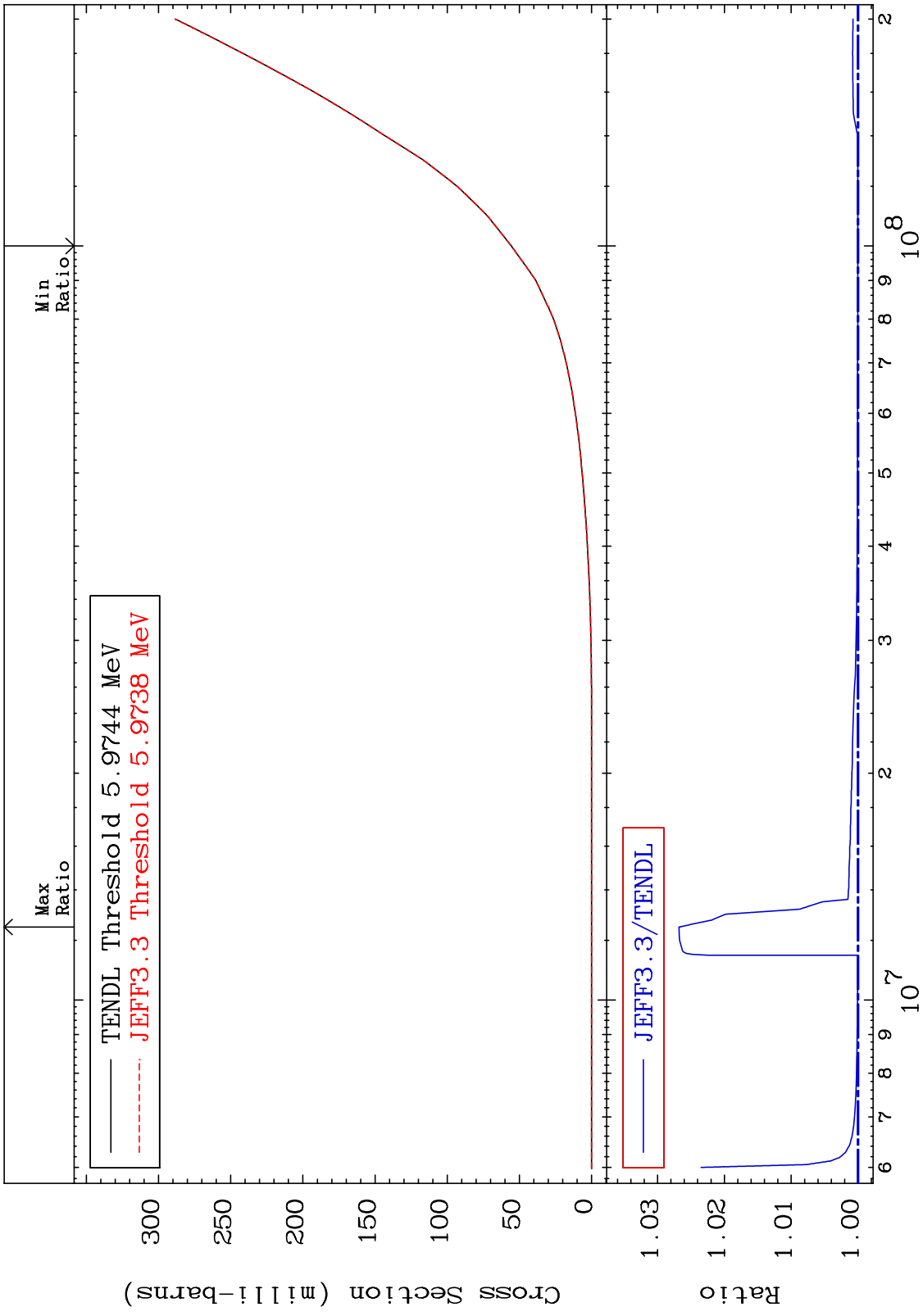


MAT 7640 Tritium Production Cross Section 76-0s-189  
 -1.019 To 0.682 %



64 76-0s-189

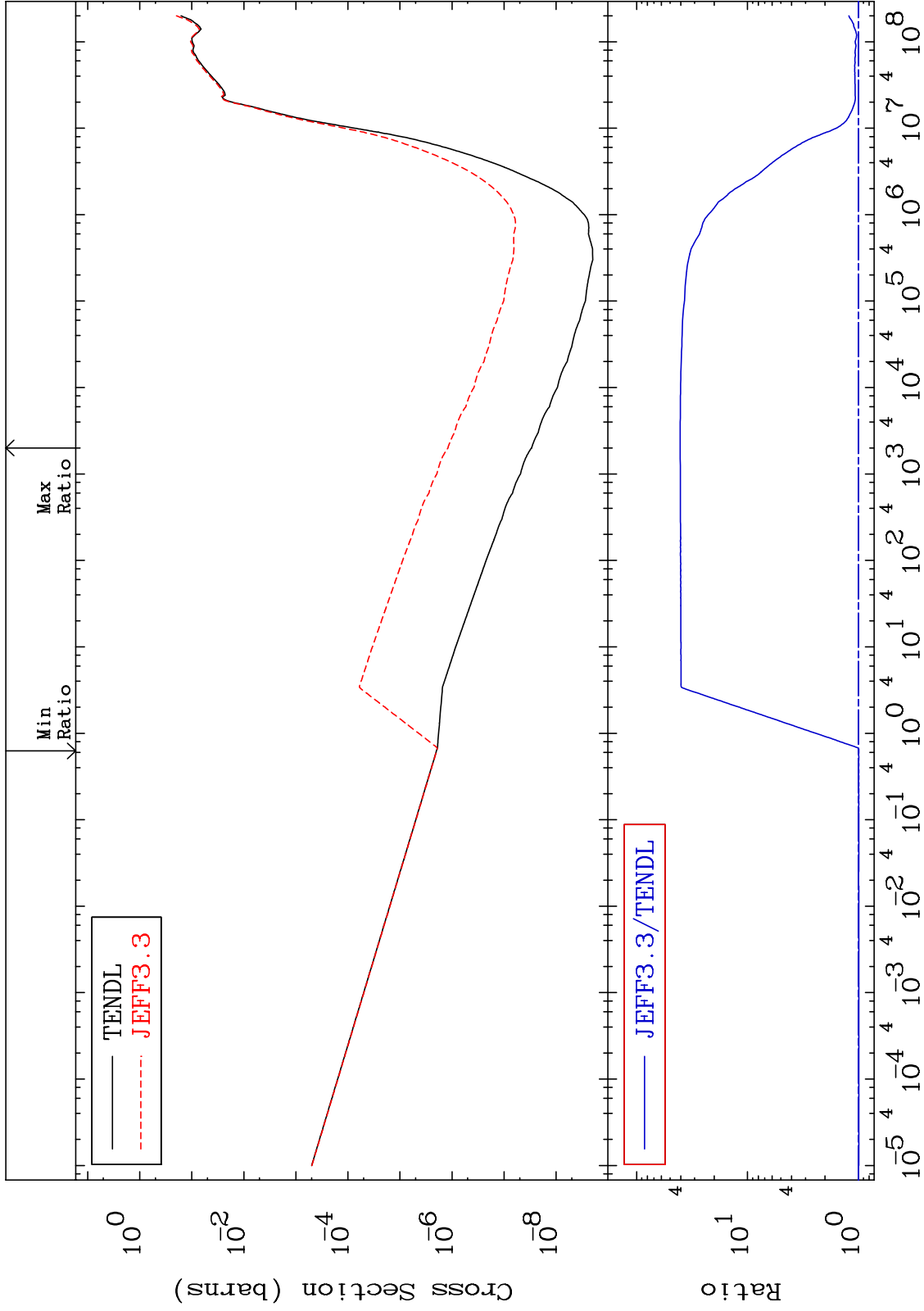
MAT 7640 He-3 Production Cross Section 76-0s-189 To 2.679 %



MAT 7640

He-4 Production  
Cross Section

76-0s-189  
-1.176 To 3950. %

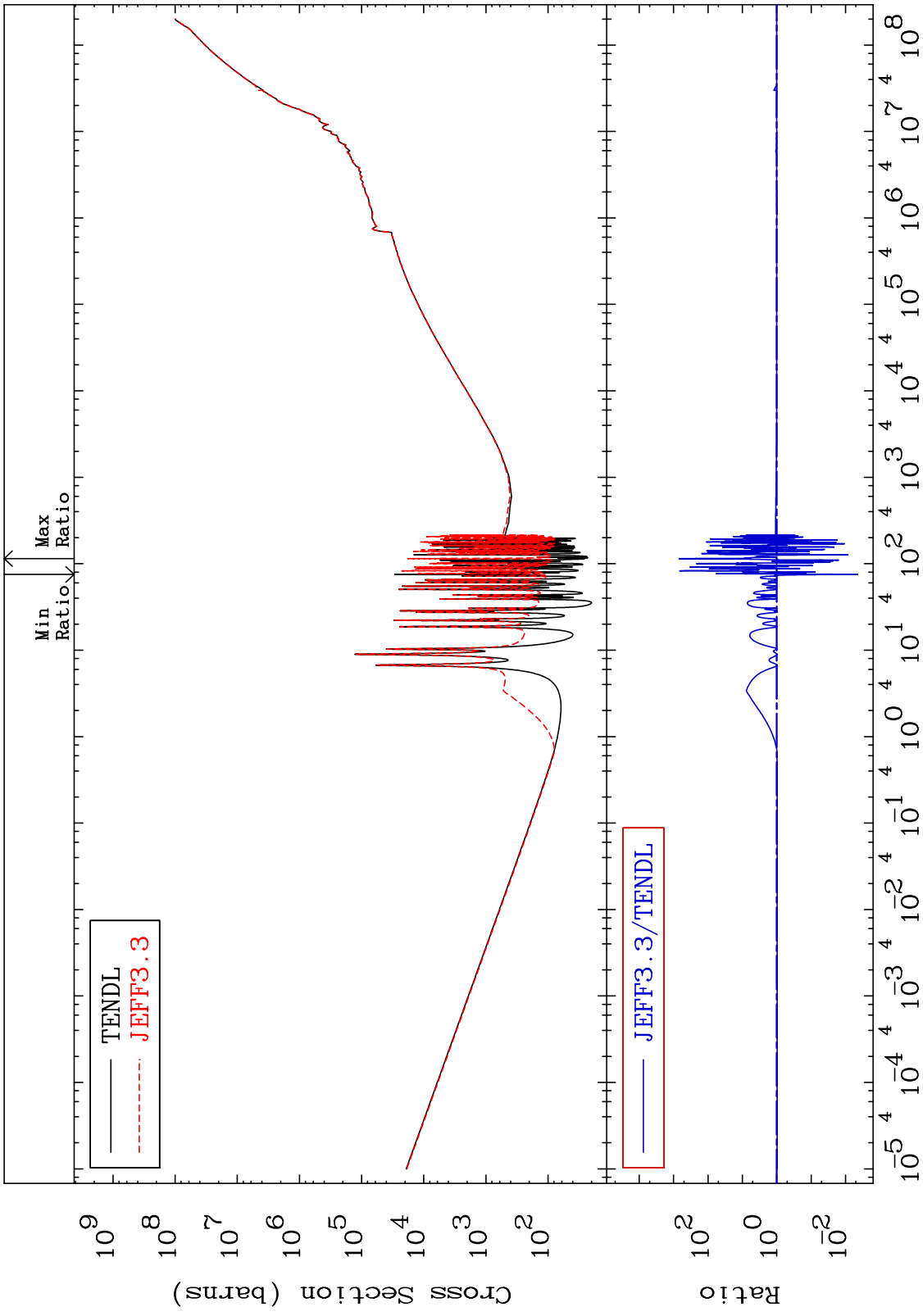


66

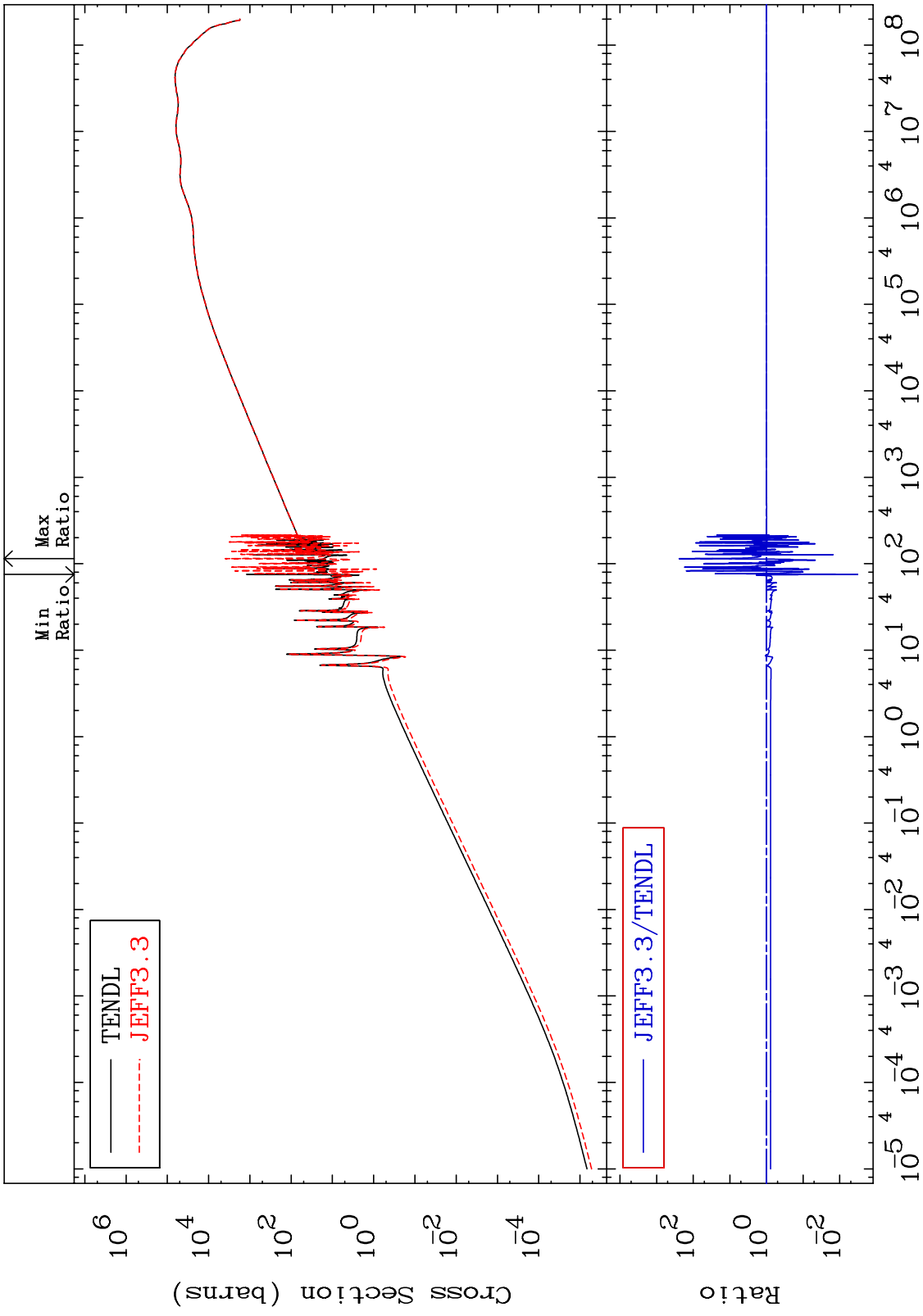
Incident Energy (eV)

76-0s-189

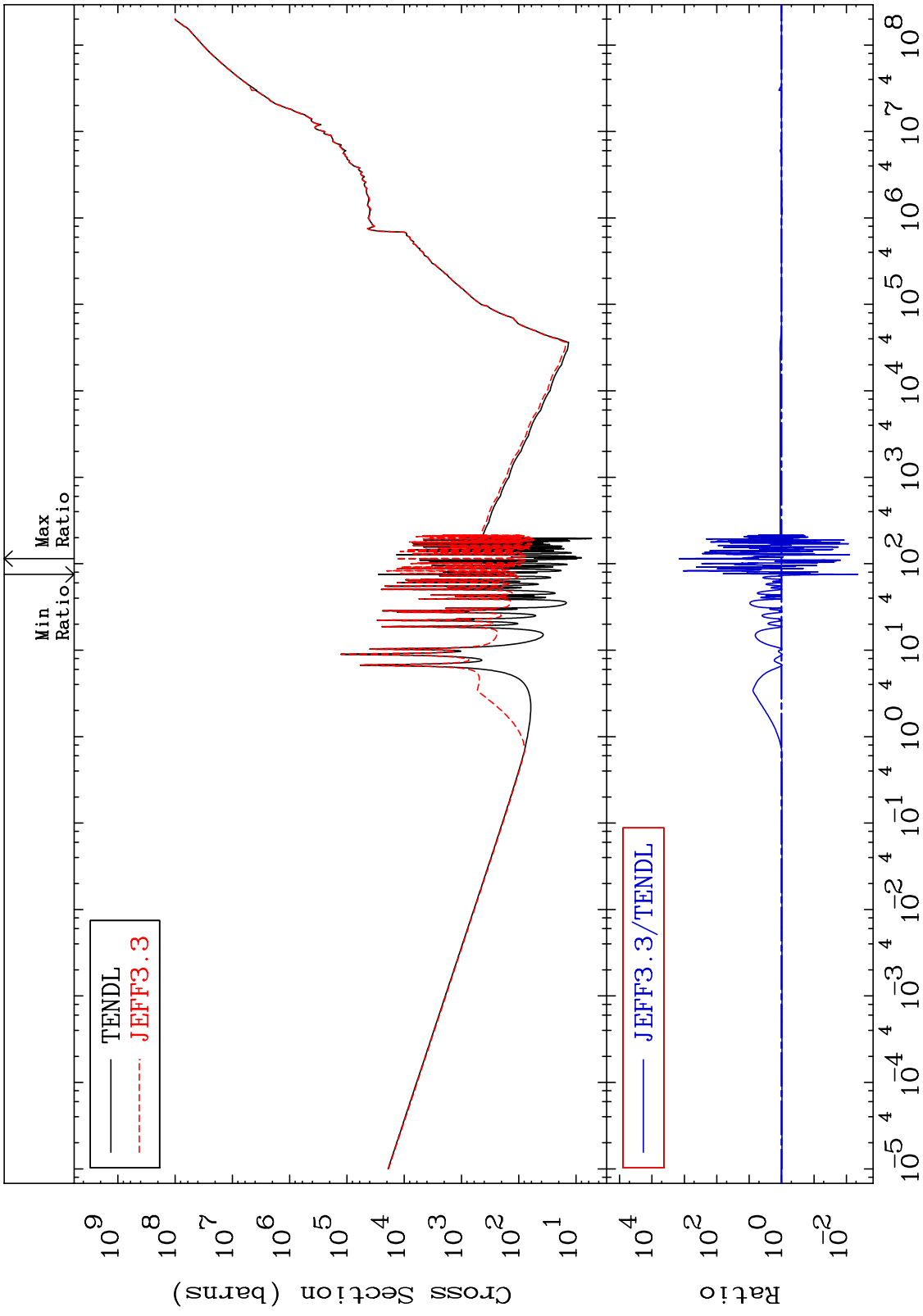
MAT 7640 Kerma total (eV-barns) 76-Os-189  
Cross Section -99.56 To 9999. %



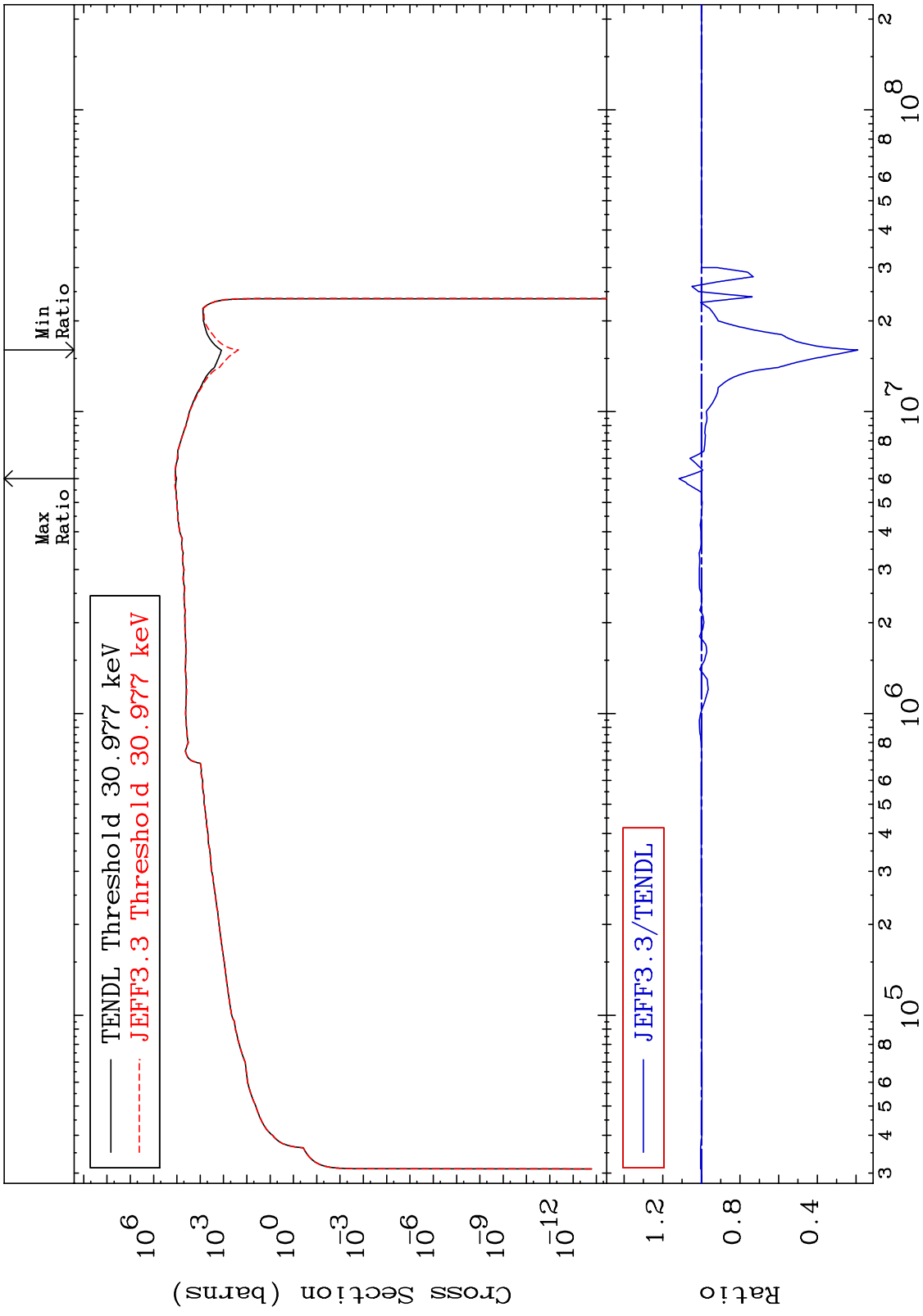
MAT 7640 Kerma elastic Cross Section 76-Os-189 -99.68 To 9999. %



MAT 7640 Kerma non-elastic (all but mt2) 76-Os-189  
 Cross Section -99.56 To 9999. %

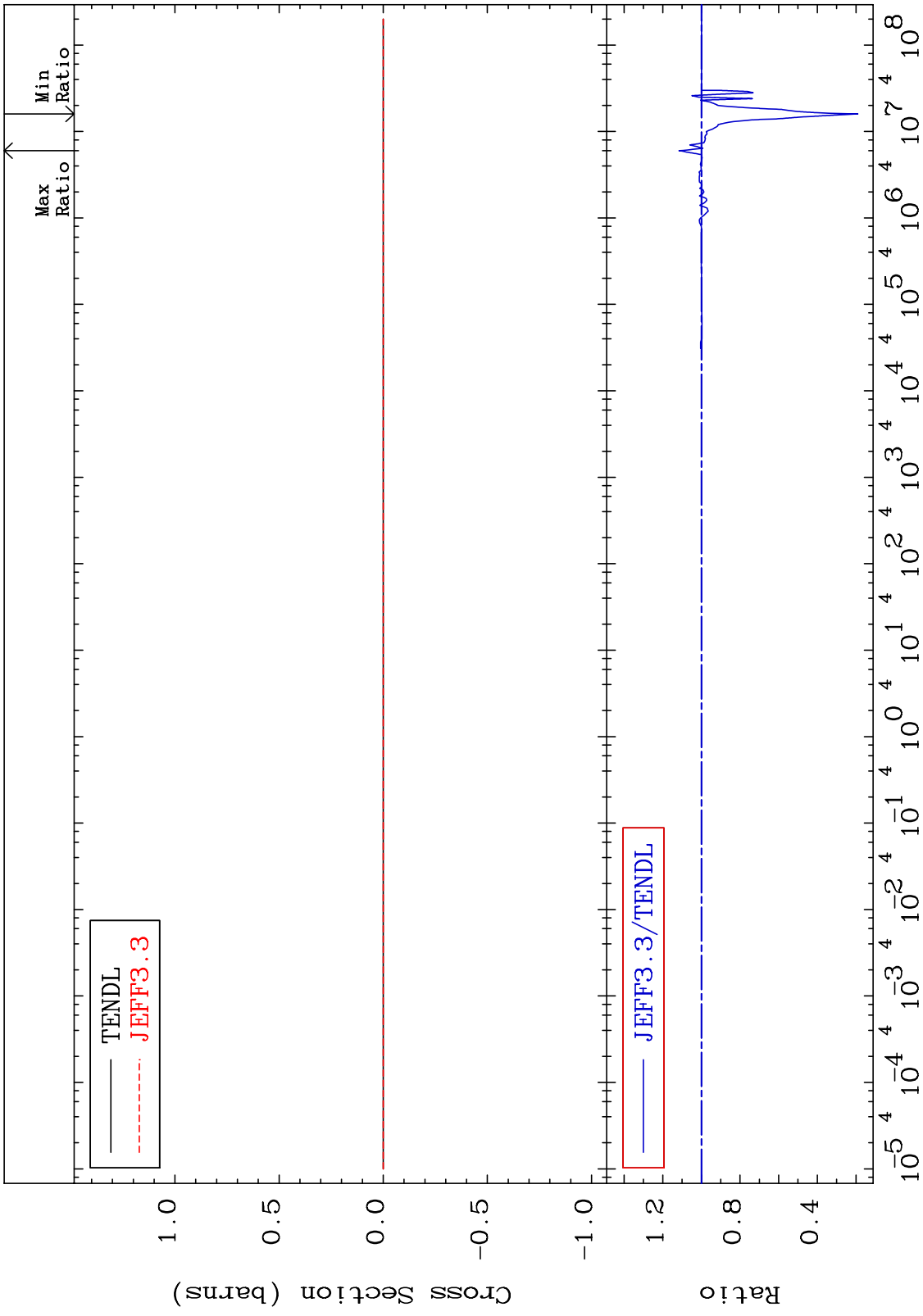


MAT 7640 Kerma inelastic (mt51-91) 76-Os-189  
 Cross Section -80.97 To 11.57 %



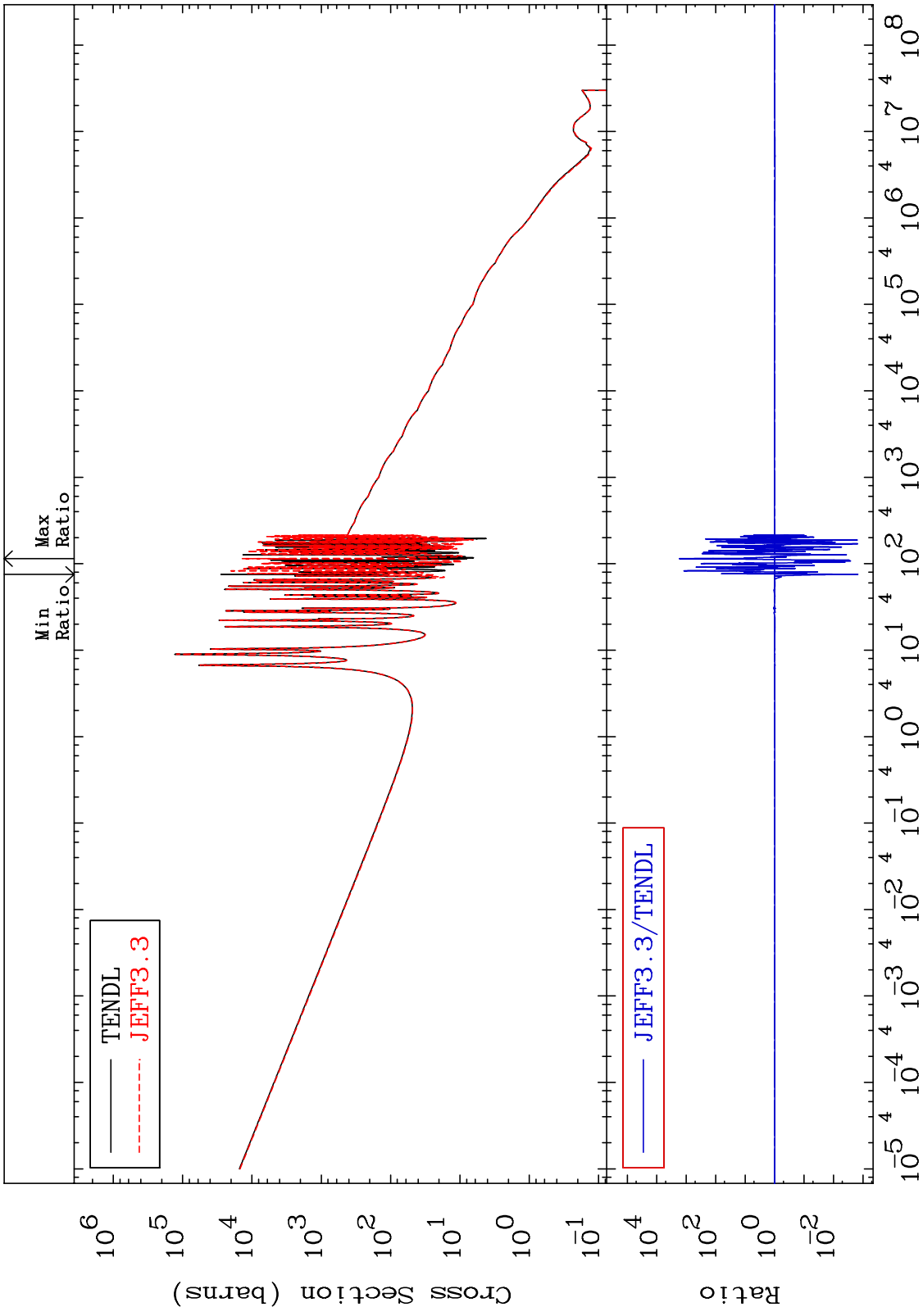
70 Incident Energy (eV) 76-Os-189

MAT 7640 Kerma fission (mt18 or mt19-20-21-38) 76-0s-189  
 Cross Section -80.97 To 11.57 %

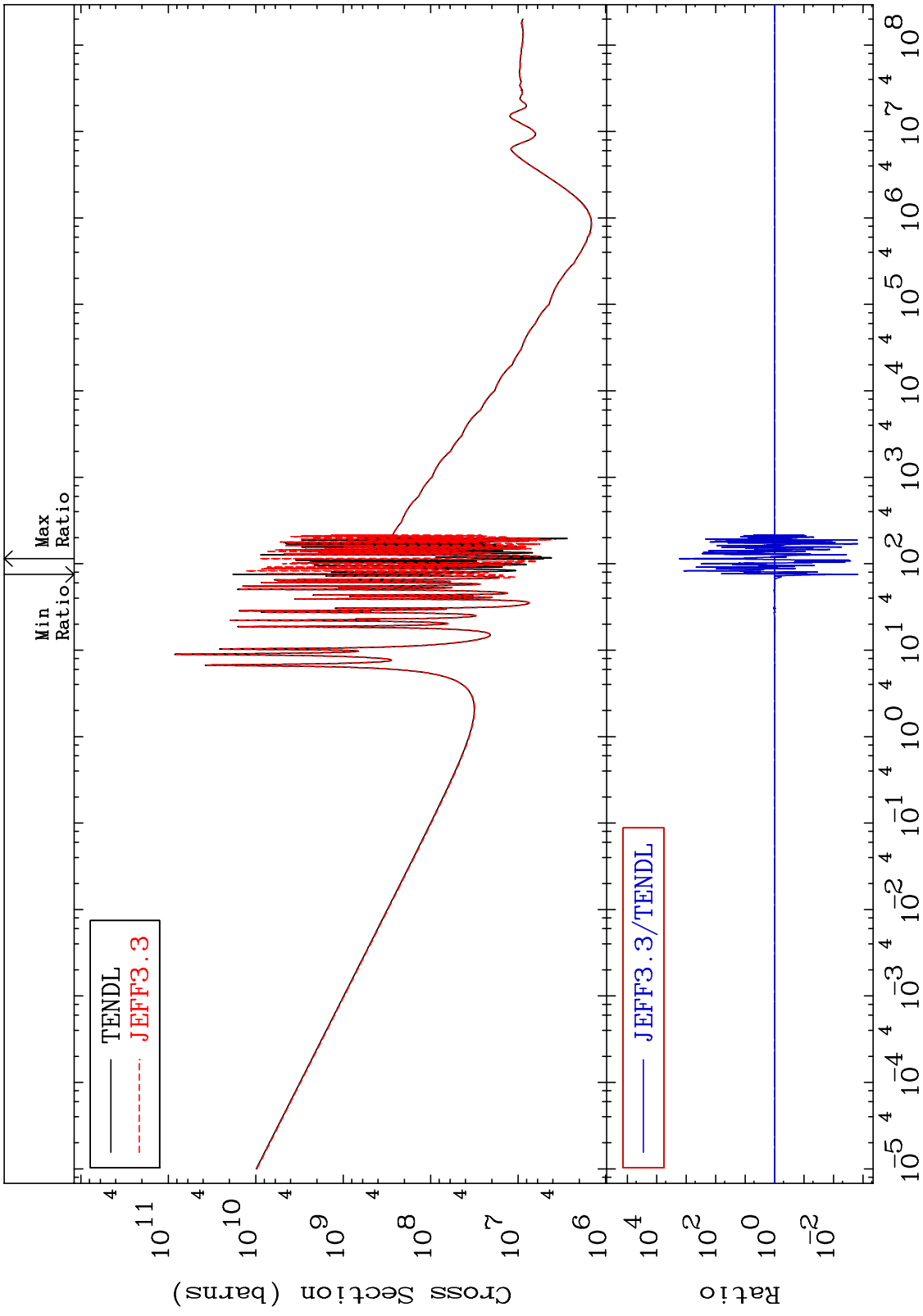




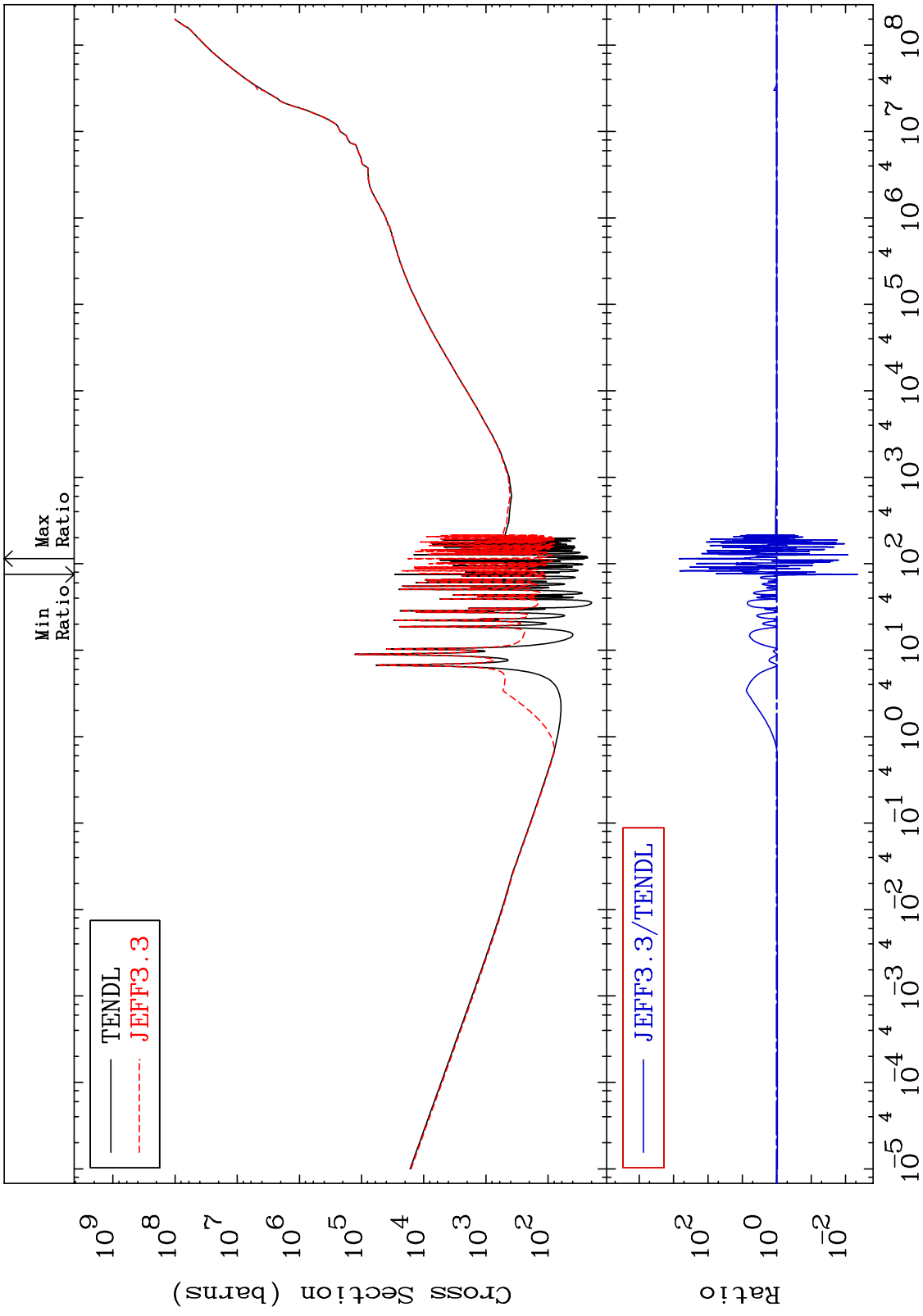
MAT 7640 Kerma capture (mt102) 76-Os-189  
Cross Section -99.85 To 9999. %



MAT 7640 Total photon (eV-barns) 76-Os-189  
Cross Section -99.85 To 9999. %

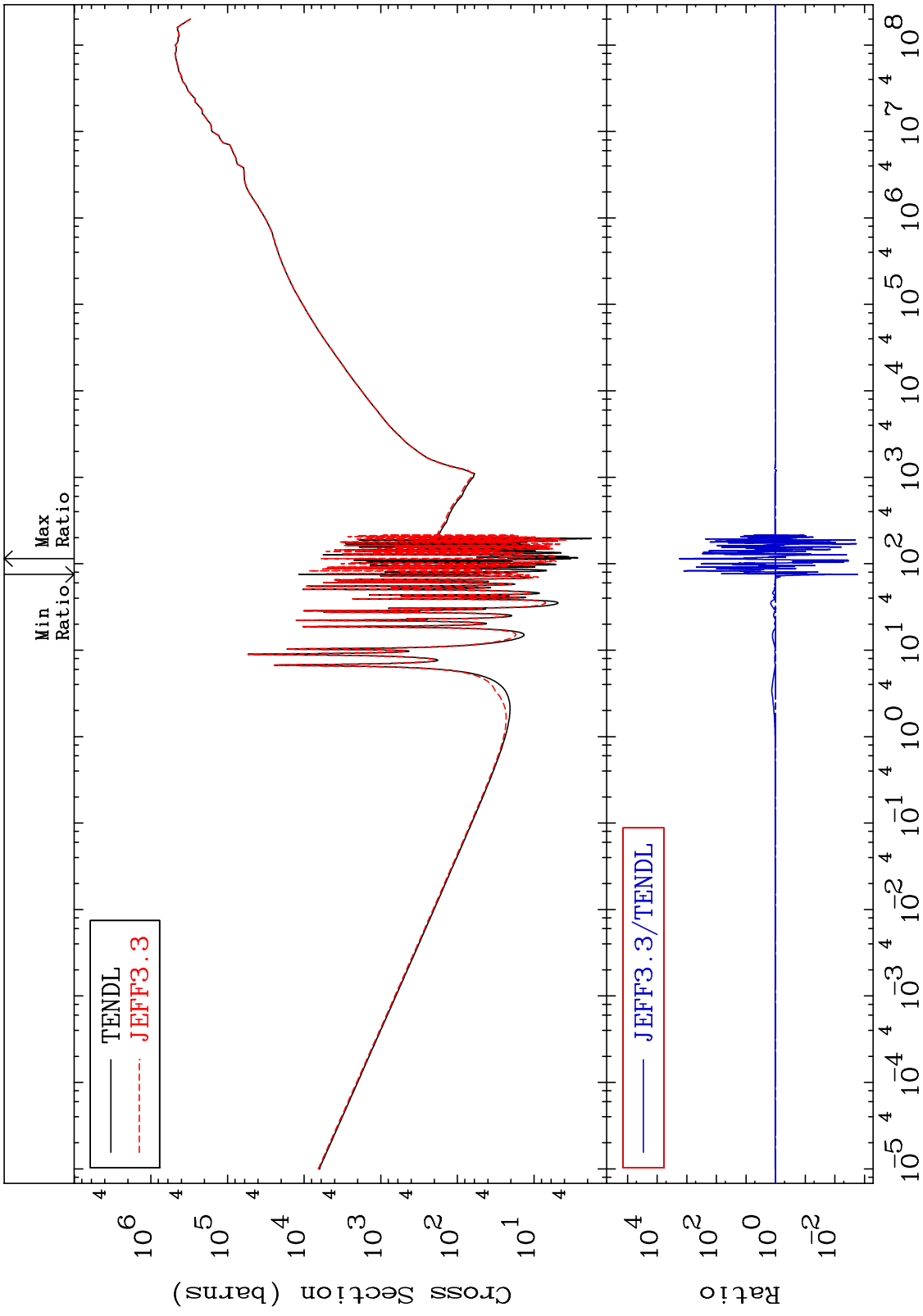


MAT 7640 Total kinematic kerma (high limit) 76-Os-189  
 Cross Section -99.56 To 9999. %

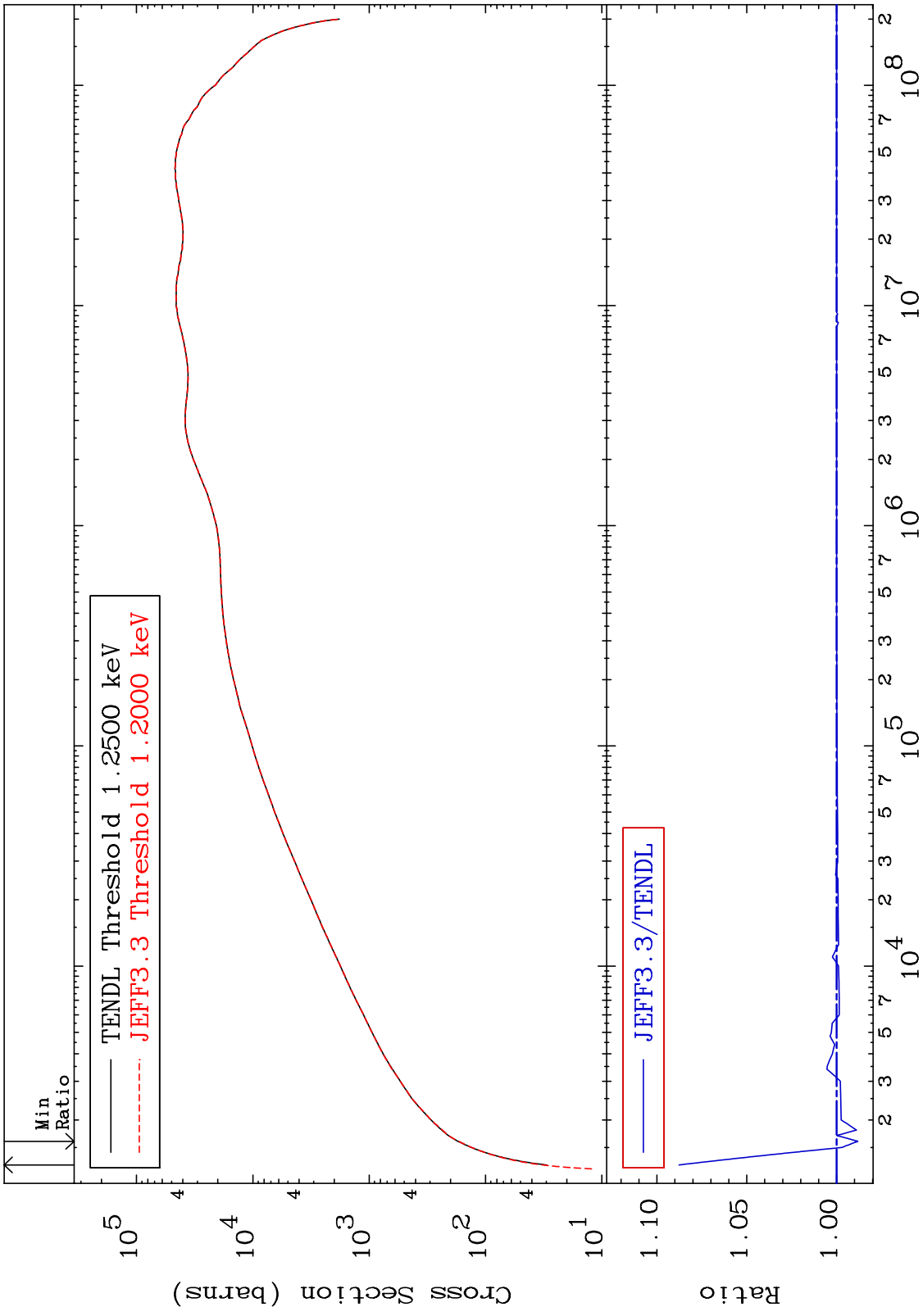


74 Incident Energy (eV) 76-Os-189

MAT 7640      Dpa total (eV-barns)      76-Os-189  
 Cross Section      -99.83 To 9999. %

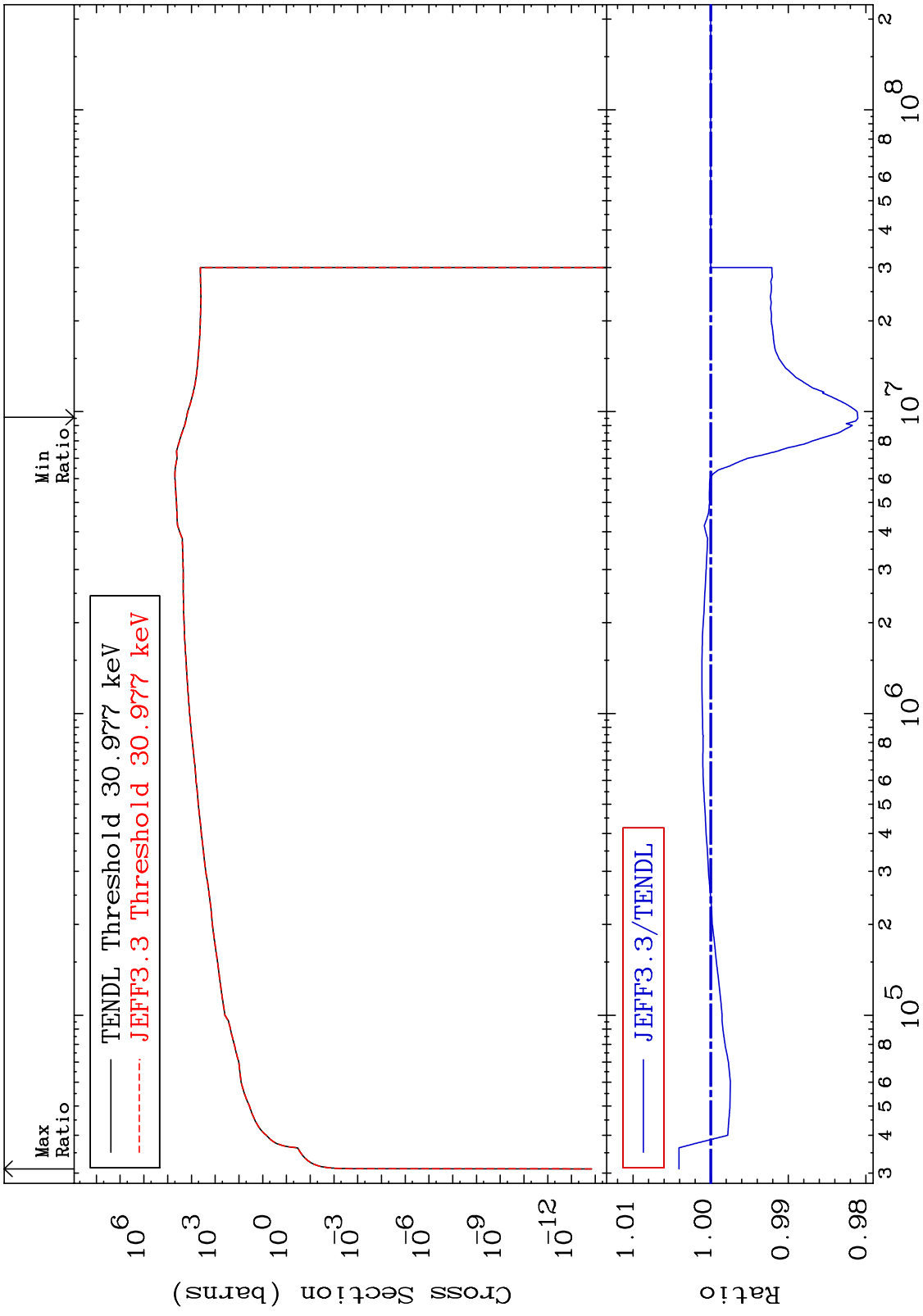


MAT 7640      Dpa elastic (mt2)      76-Os-189  
Cross Section      -1.181 To 8.771 %



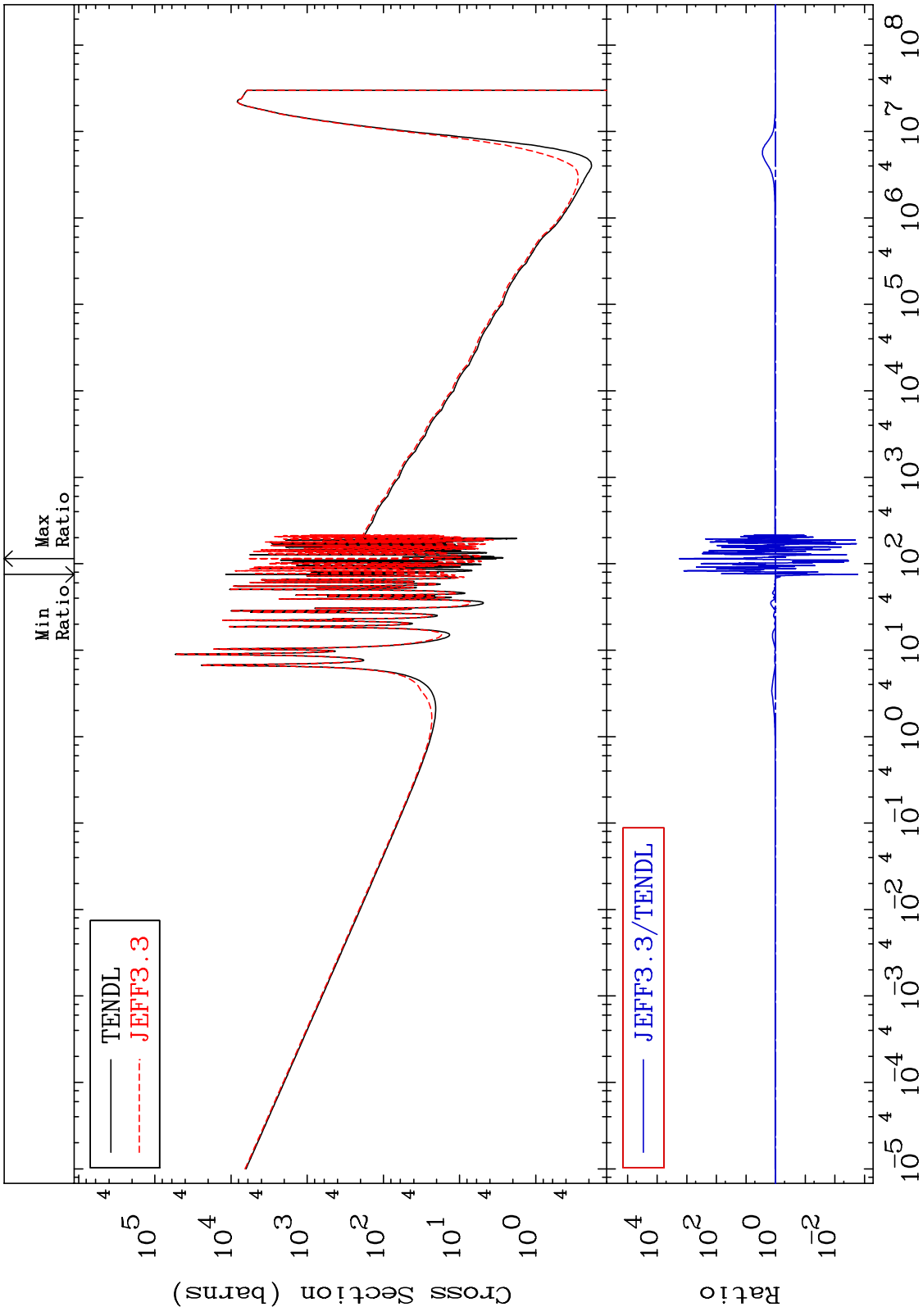
76      76-Os-189

MAT 7640 Dpa inelastic (mt51-91) 76-Os-189  
 Cross Section -1.896 To 0.408 %

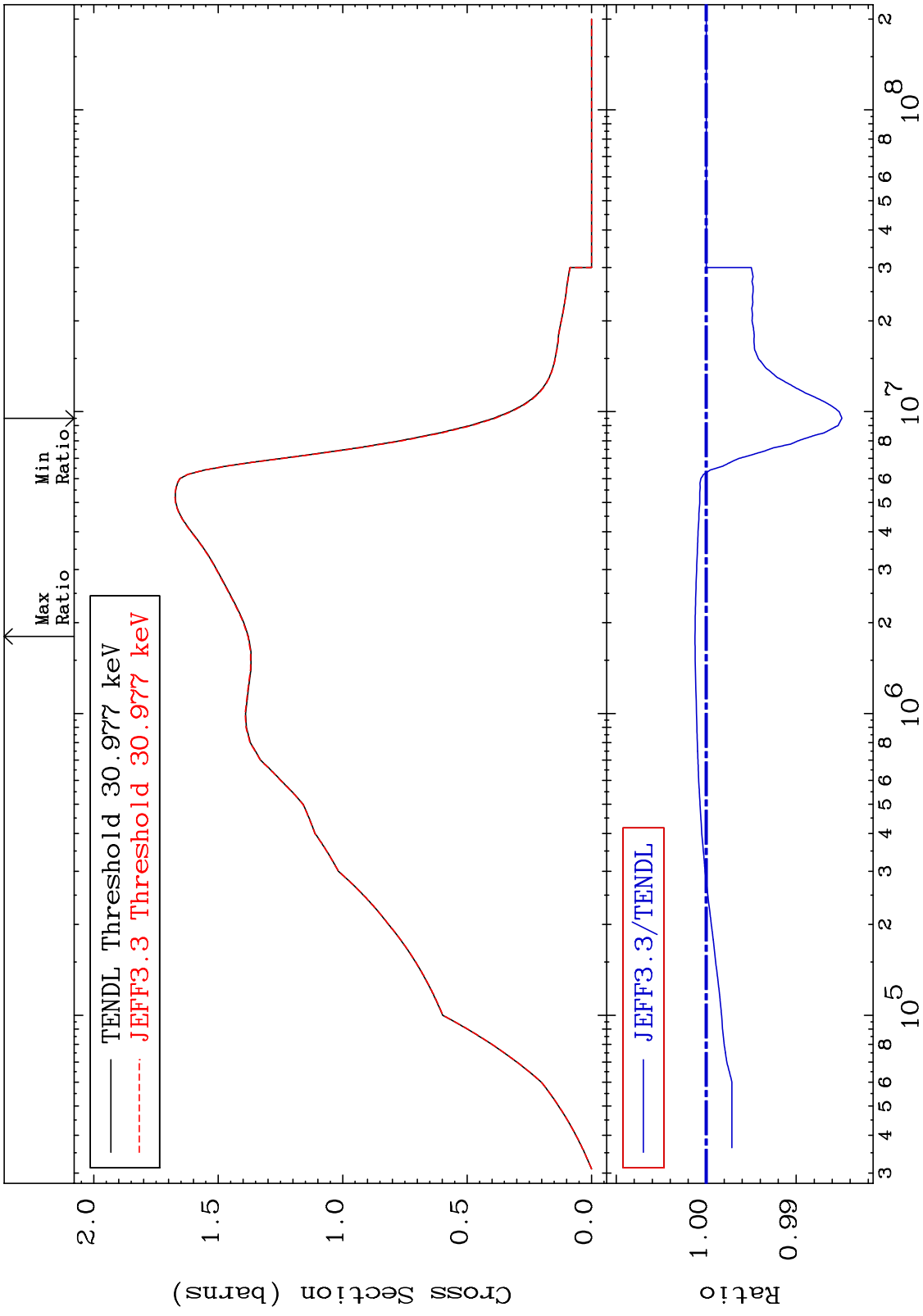


77 76-Os-189

MAT 7640      Dpa disappearance (mt102 -120)      76-Os-189  
 Cross Section      -99.83 To 9999. %



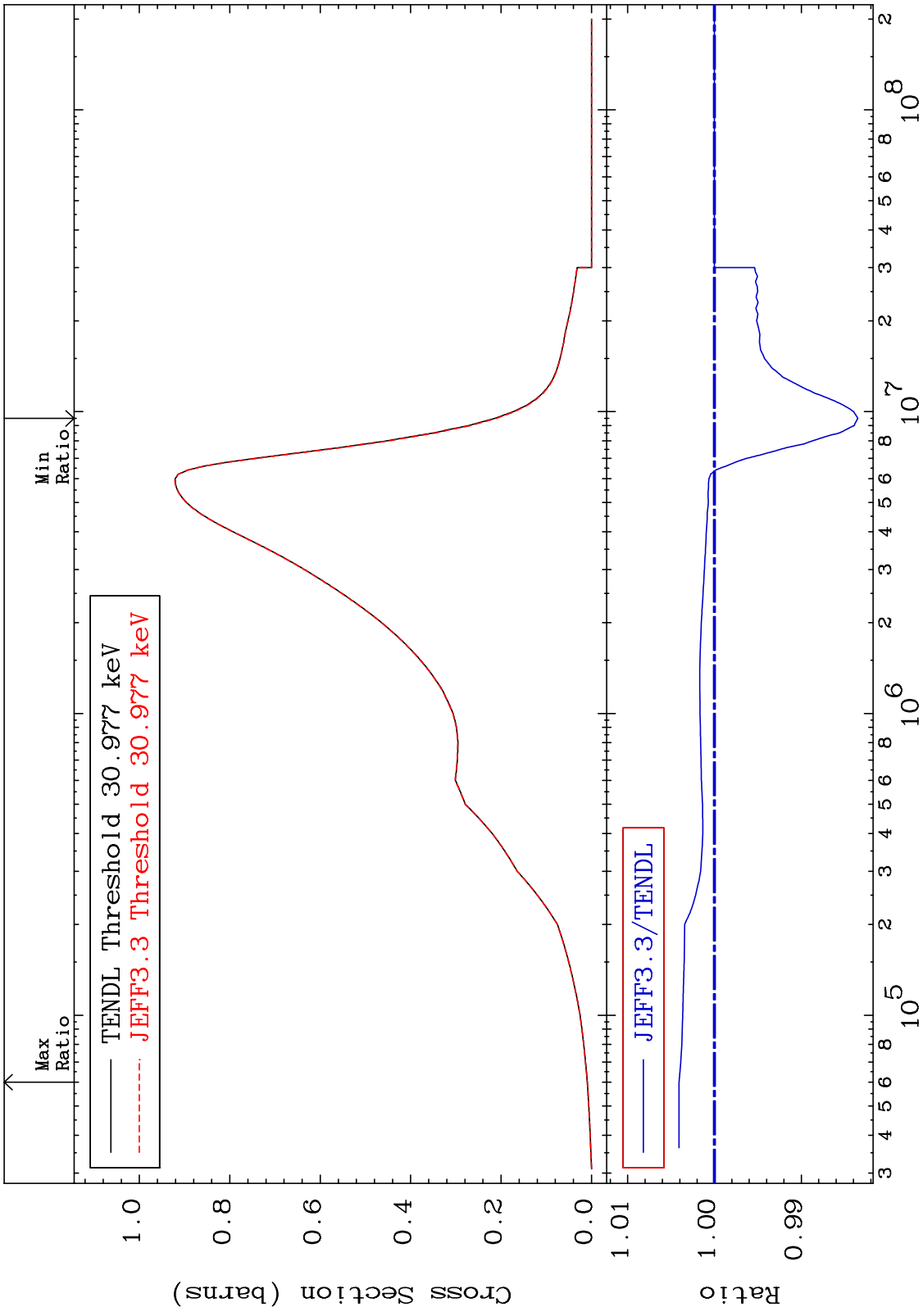
MAT 7640 Inelastic: 76-0s-189g 76-0s-189  
 Radionuclide Production Cross Section -1.507 To 0.125 %



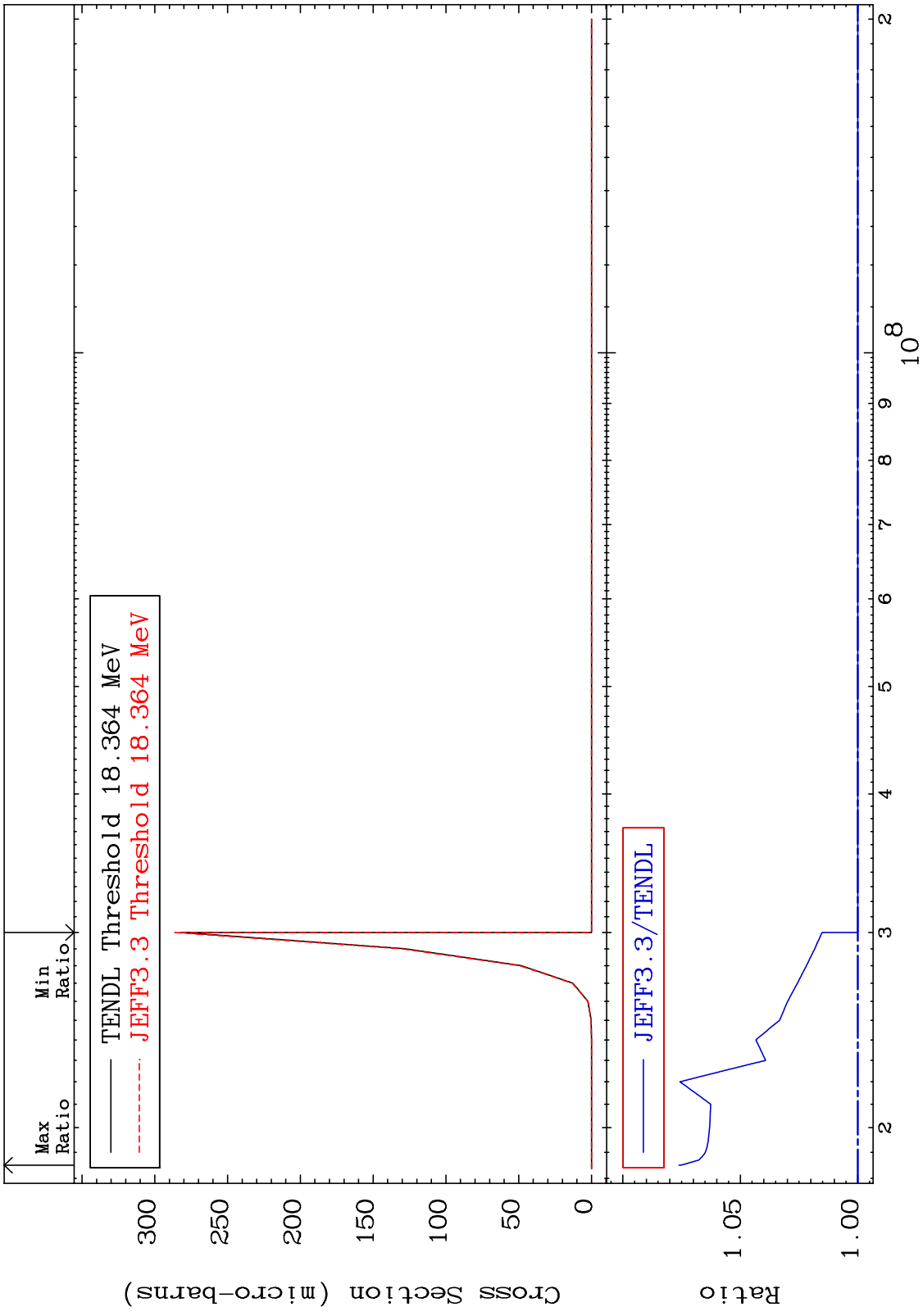
79 76-0s-189



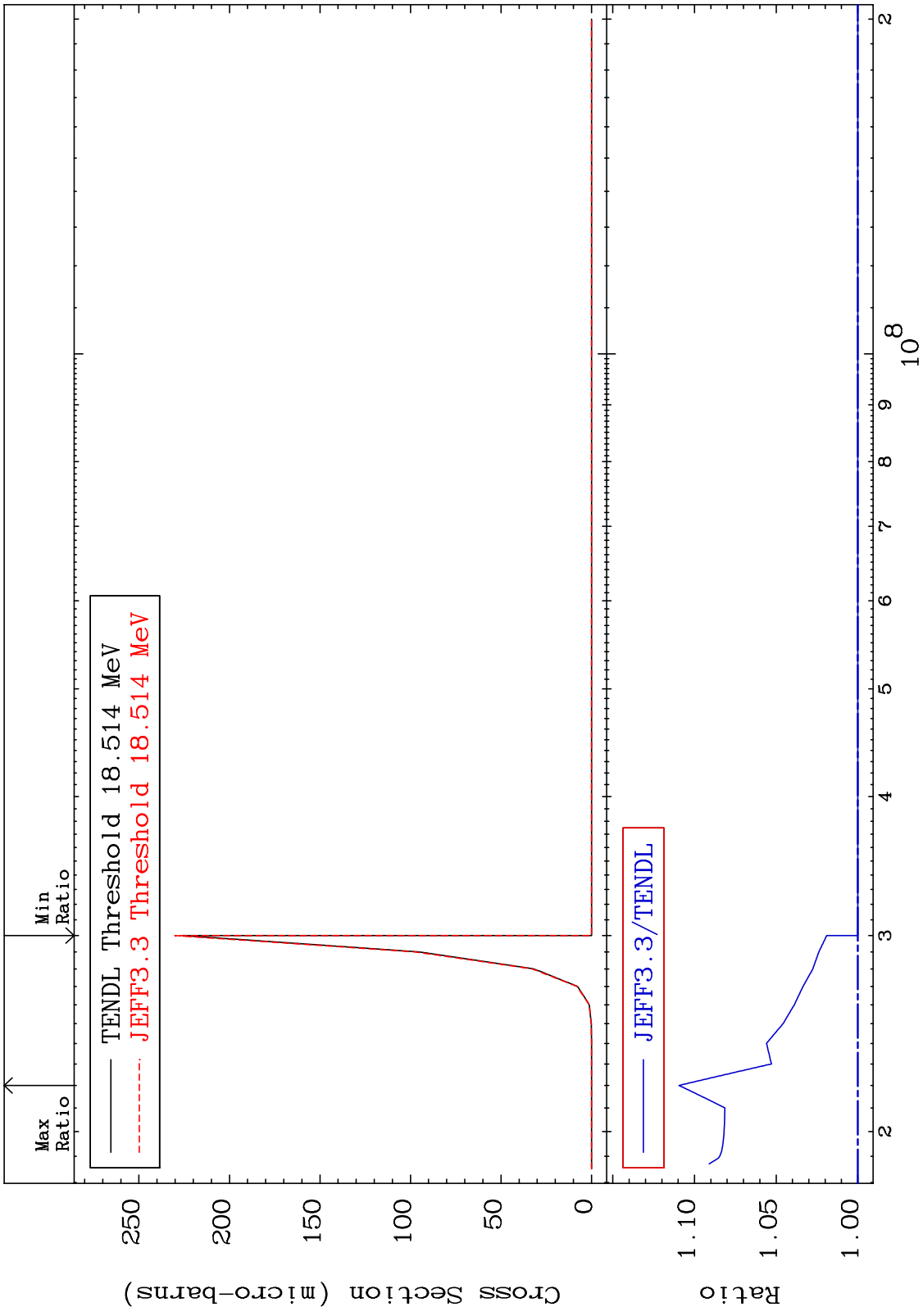
MAT 7640 Inelastic: 76-Os-189m1 76-Os-189  
 Radionuclide Production Cross Section -1.651 To 0.408 %

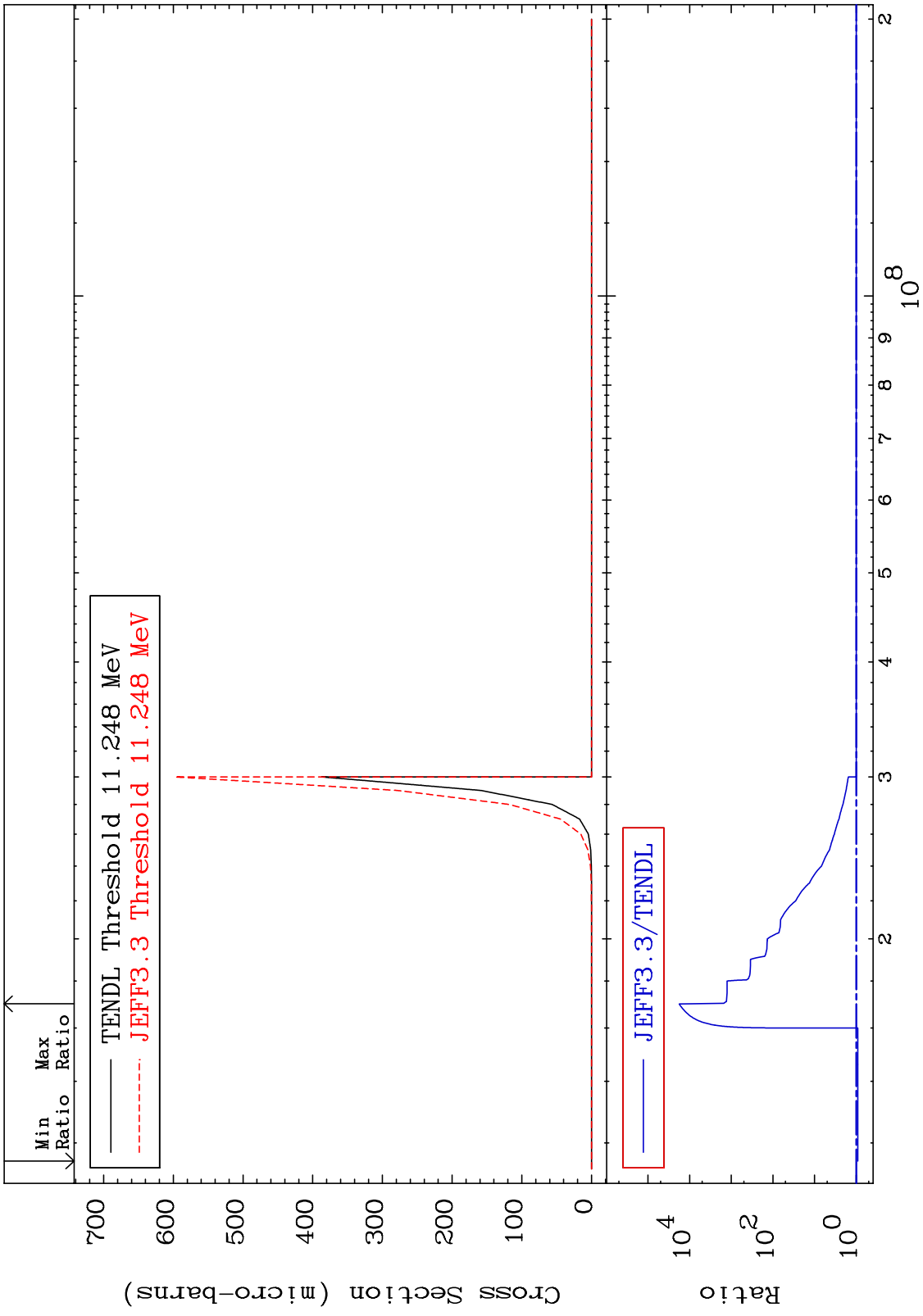


MAT 7640 (n,2n) d:75-Re-186g 76-0s-189  
 Radionuclide Production Cross Section 0.000 To 7.607 %

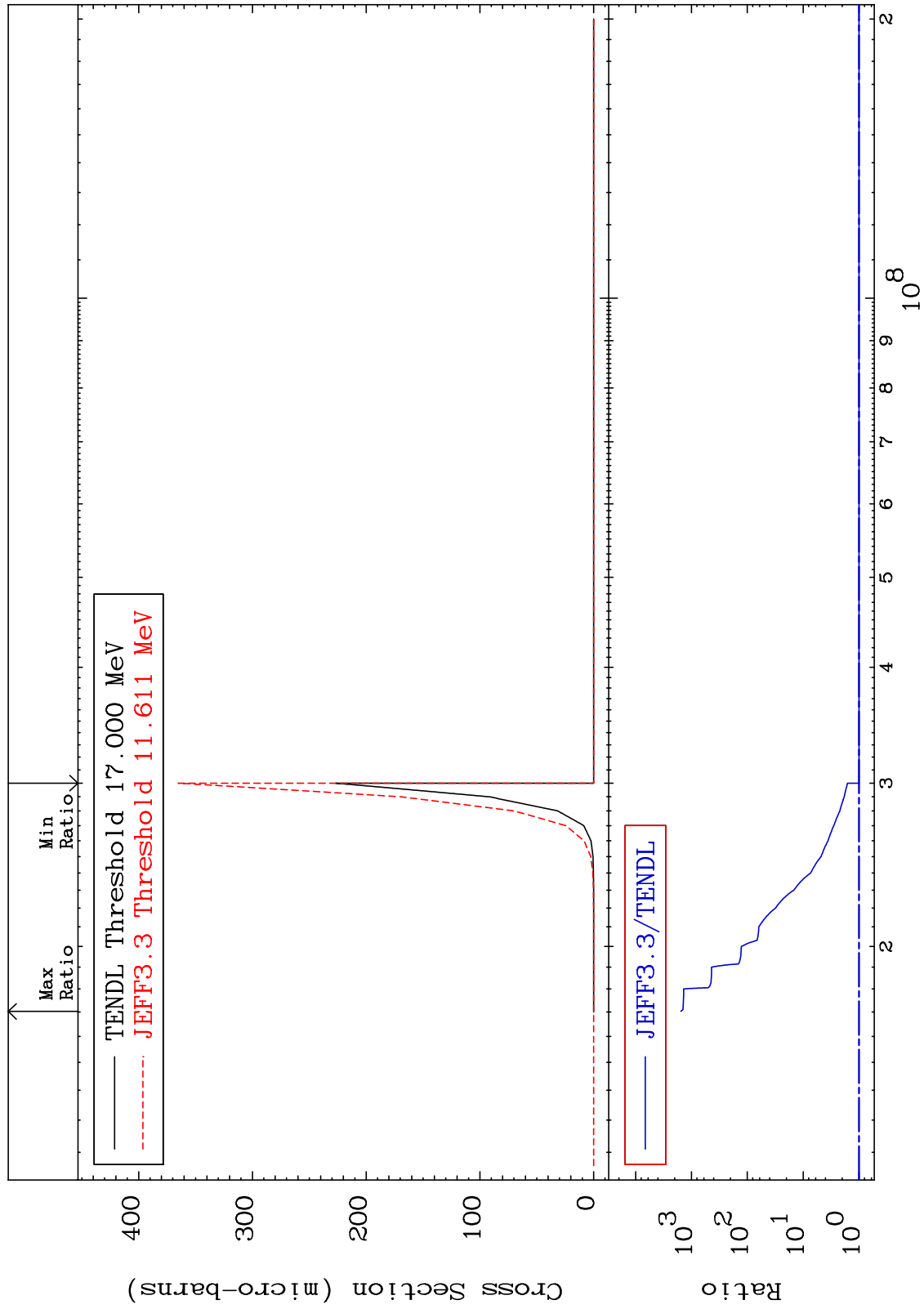


MAT 7640 (n,2n) d:75-Re-186m4 76-Os-189  
 Radionuclide Production Cross Section 0.000 To 10.95 %

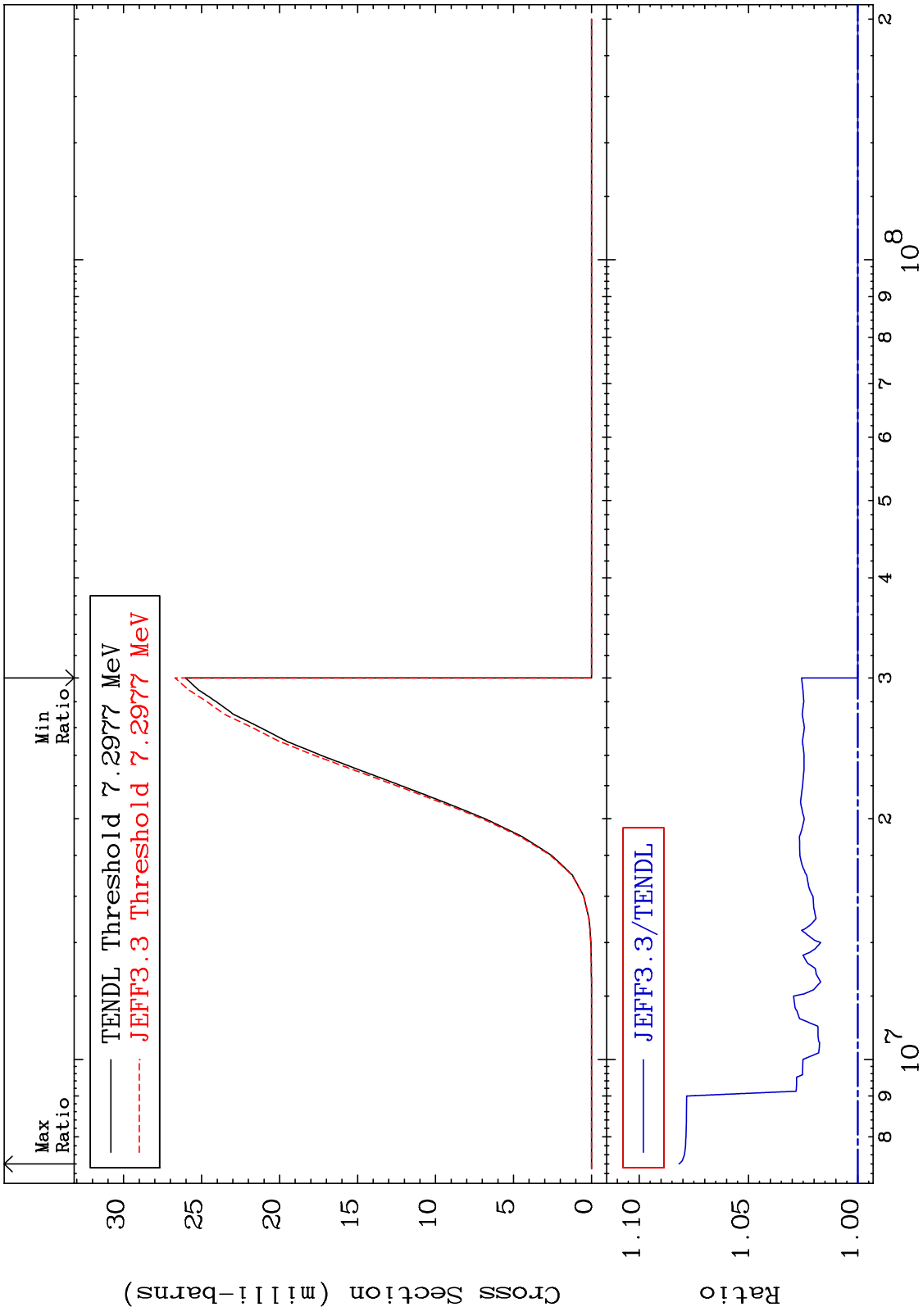




MAT 7640 (n,3n)  $\alpha$ :74-W -183m7 76-Os-189  
Radionuclide Production Cross Section 0.000 To 9999. %

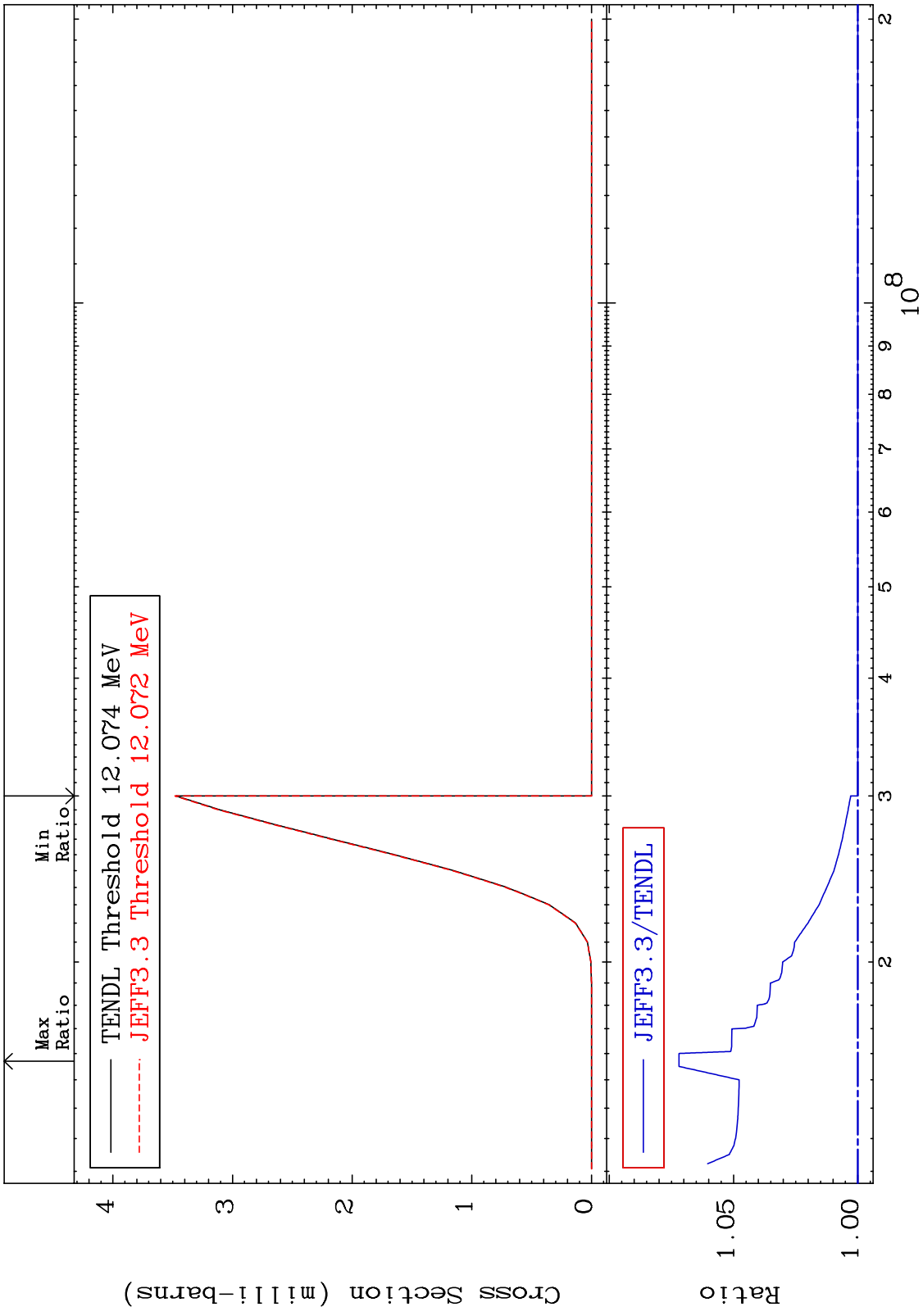


MAT 7640 (n, n') p: 75-Re-188g 76-Os-189  
 Radionuclide Production Cross Section 0.000 To 8.177 %

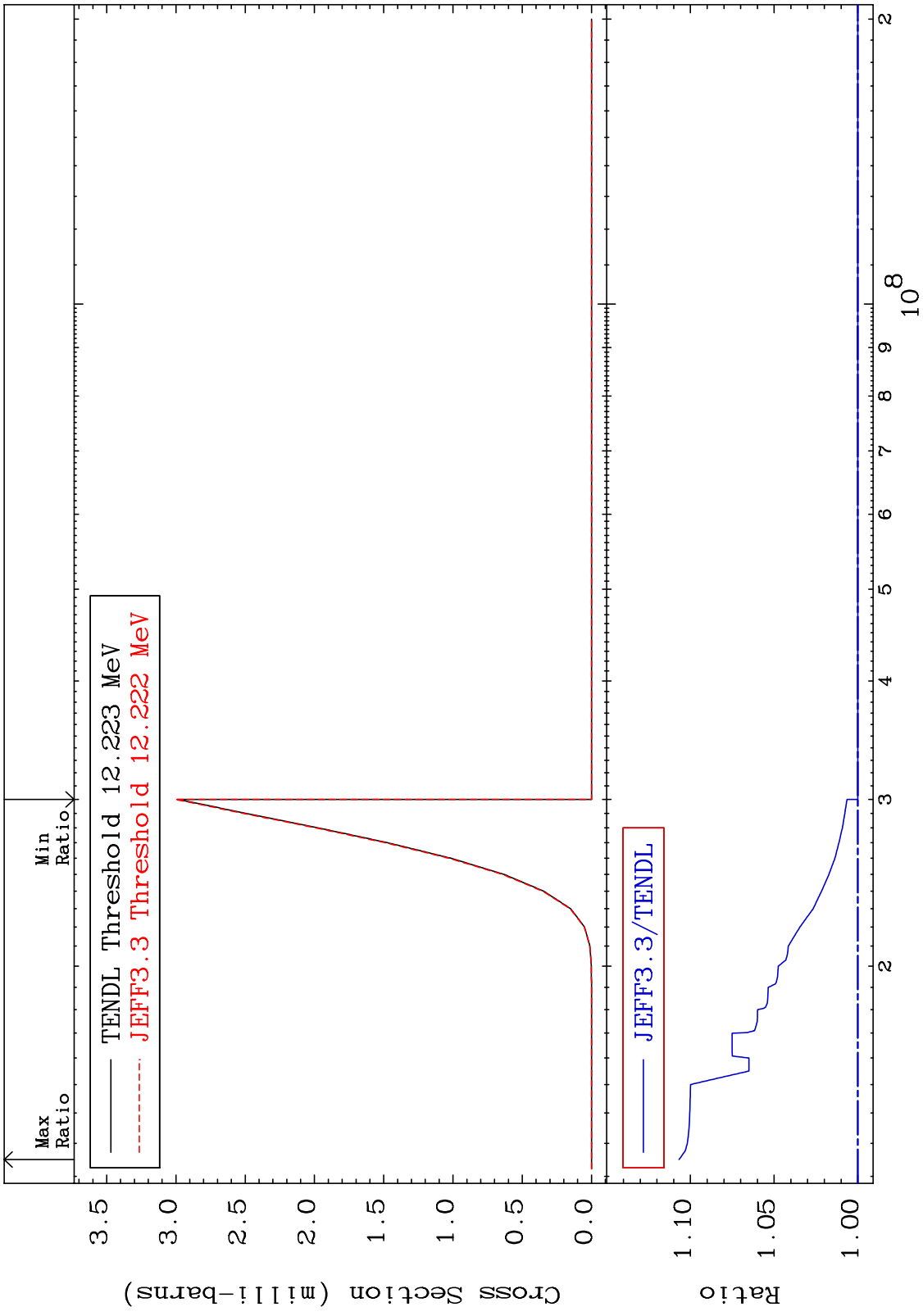


85 Incident Energy (eV) 76-Os-189

MAT 7640 (n, n') t: 75-Re-186g 76-Os-189  
 Radionuclide Production Cross Section 0.000 To 7.194 %



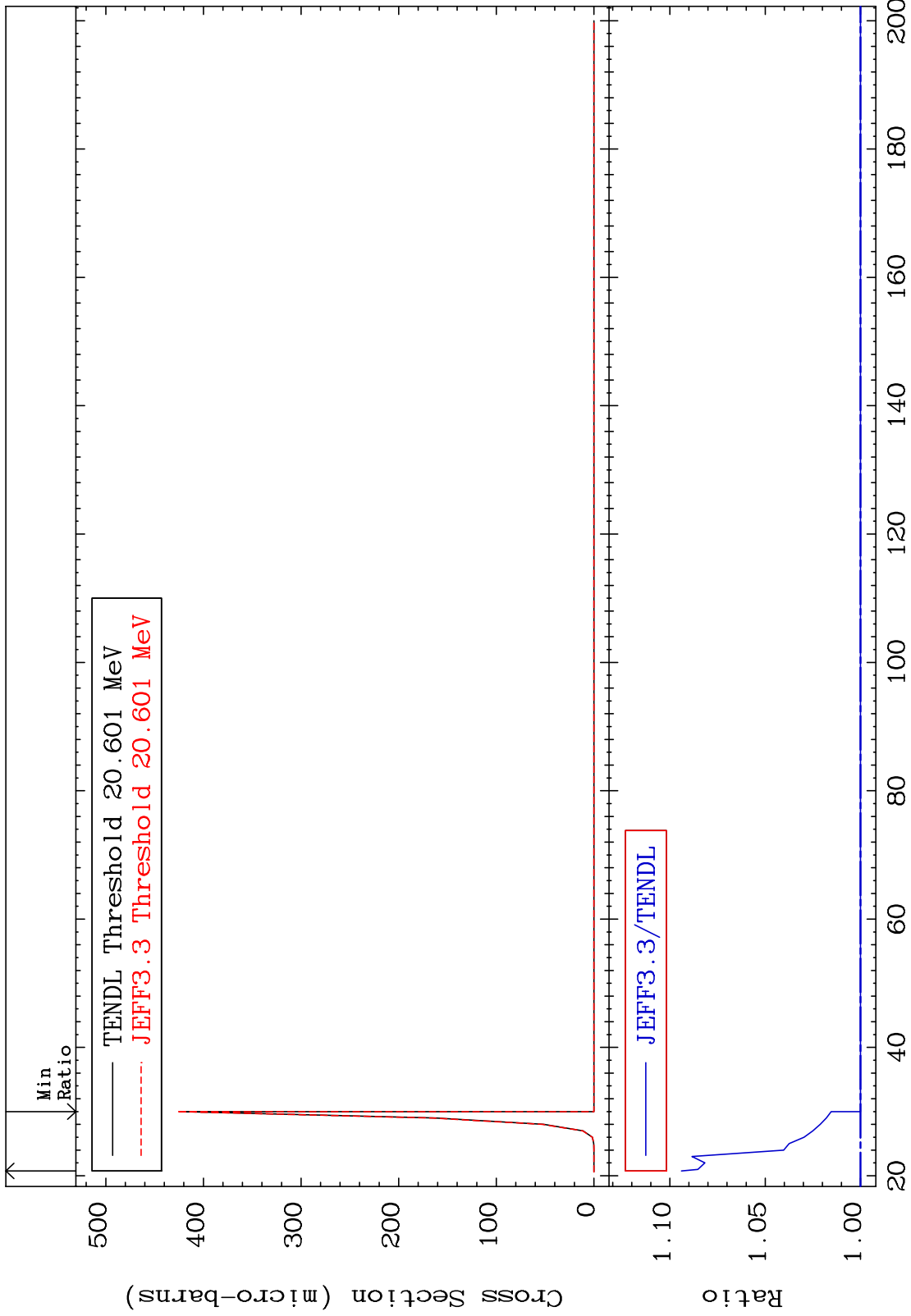
MAT 7640 (n,n') t:75-Re-186m4 76-Os-189  
 Radionuclide Production Cross Section 0.000 To 10.68 %



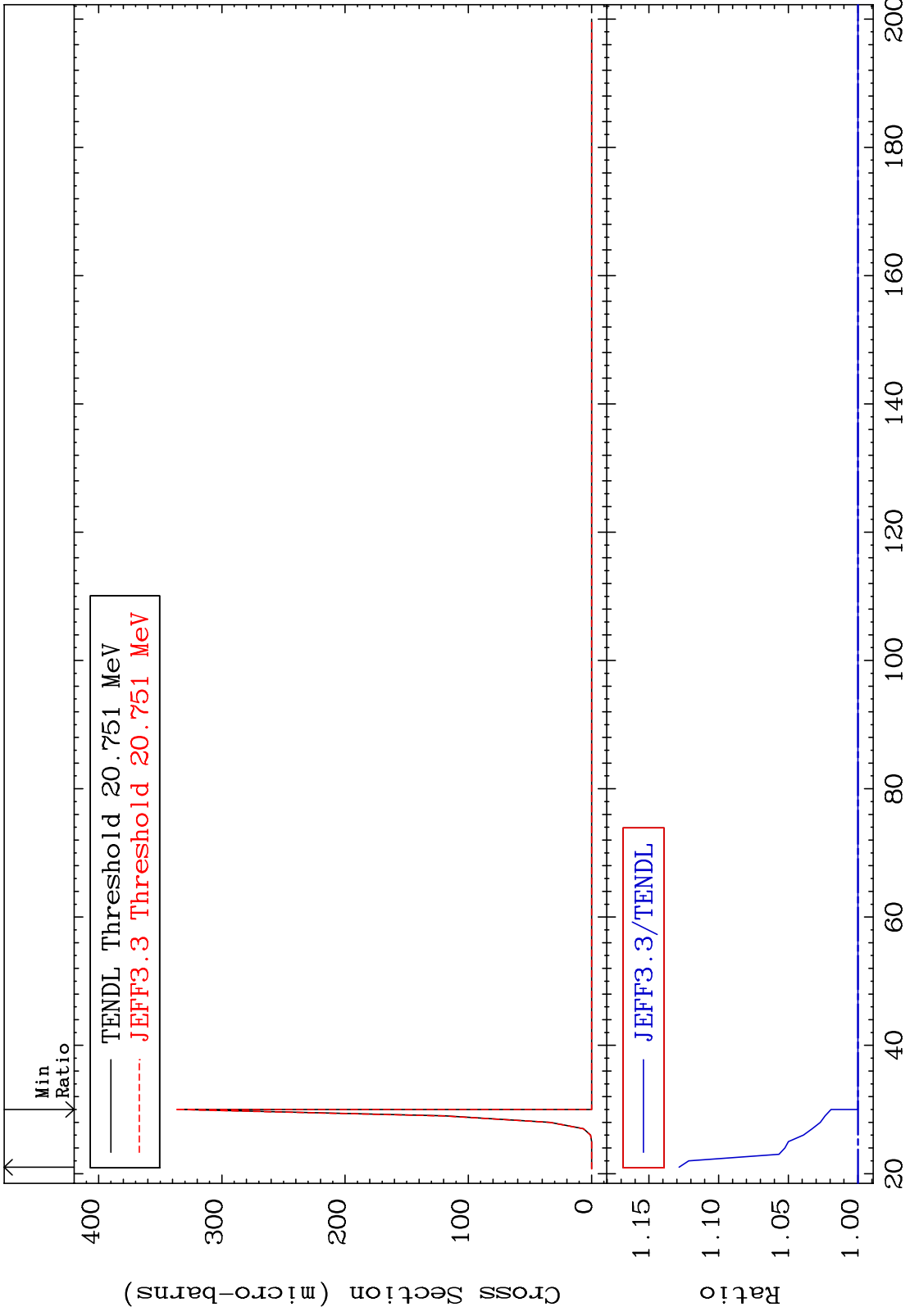


MAT 7640

(n,3n) p:75-Re-186g 76-Os-189  
Radionuclide Production Cross Section 0.000 To 9.389 %



MAT 7640 (n,3n) p:75-Re-186m4 76-Os-189  
 Radionuclide Production Cross Section 0.000 To 12.83 %



MAT 7640 (n,d):75-Re-188g 76-Os-189  
 Radionuclide Production Cross Section 0.000 To 17.30 %

