

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

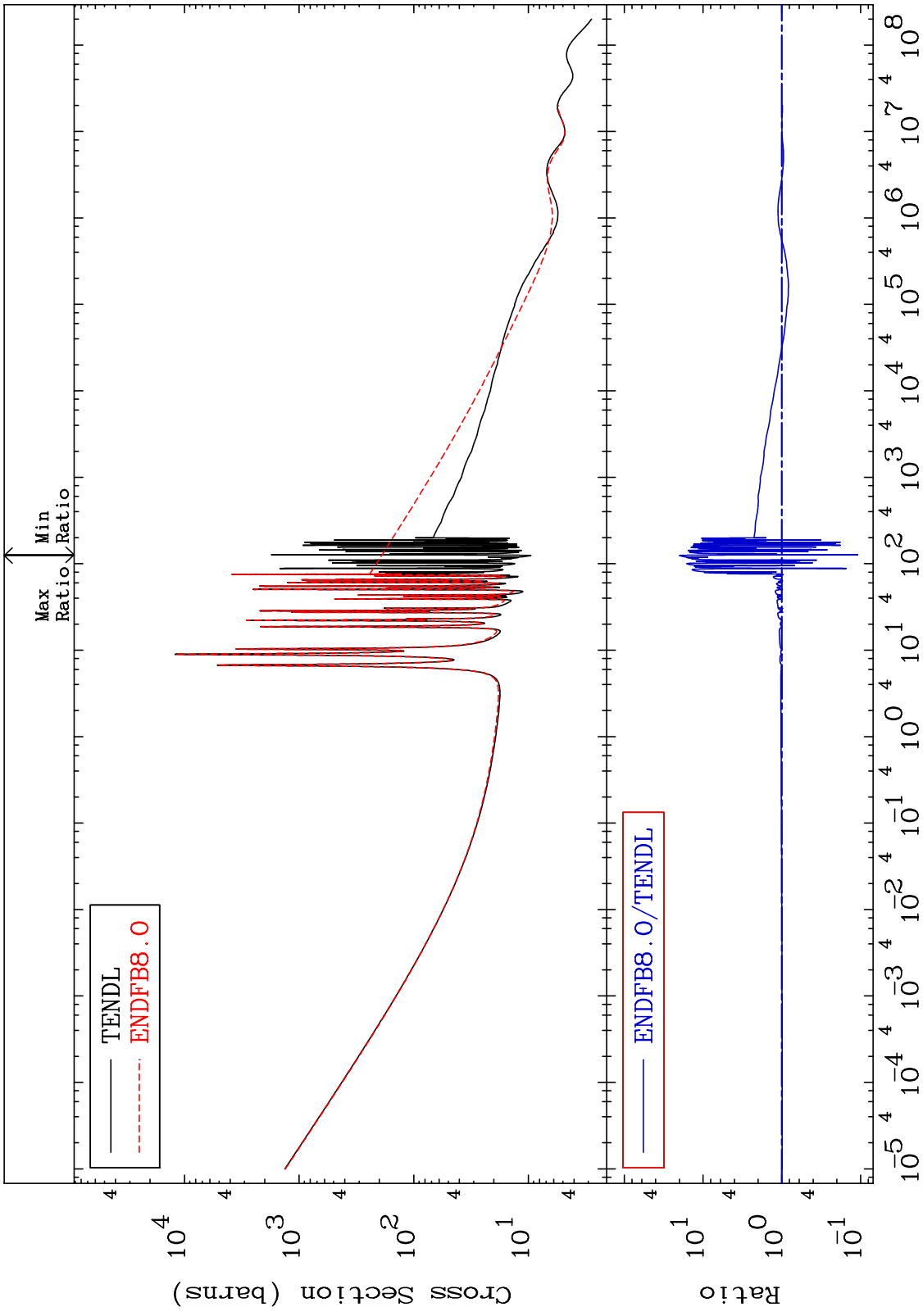
U.S.A.

Tele: 925-443-1911

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

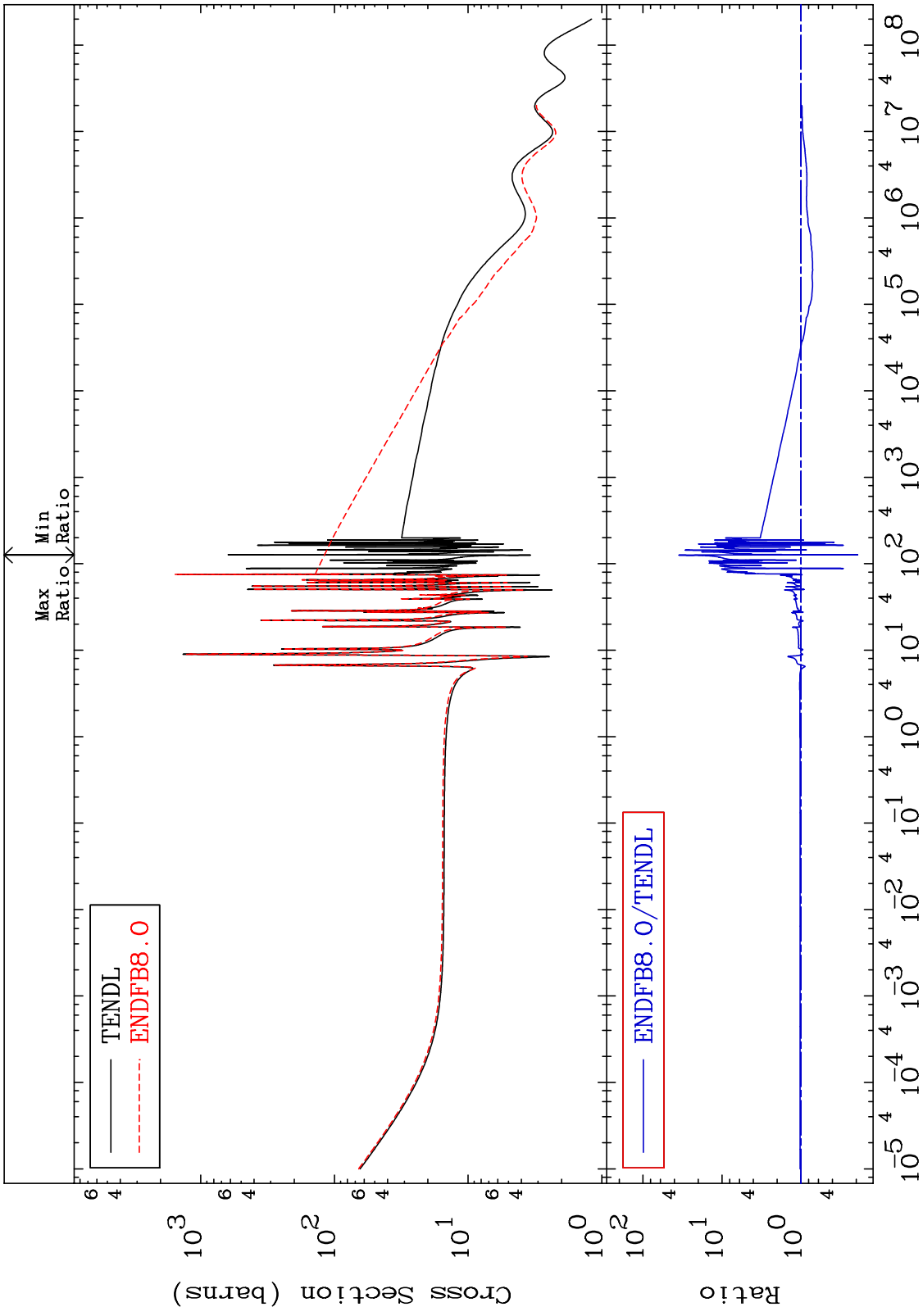
Press Mouse Button to Start

MAT 7640 Total Cross Section 76-0s-189  
-89.18 To 1919. %

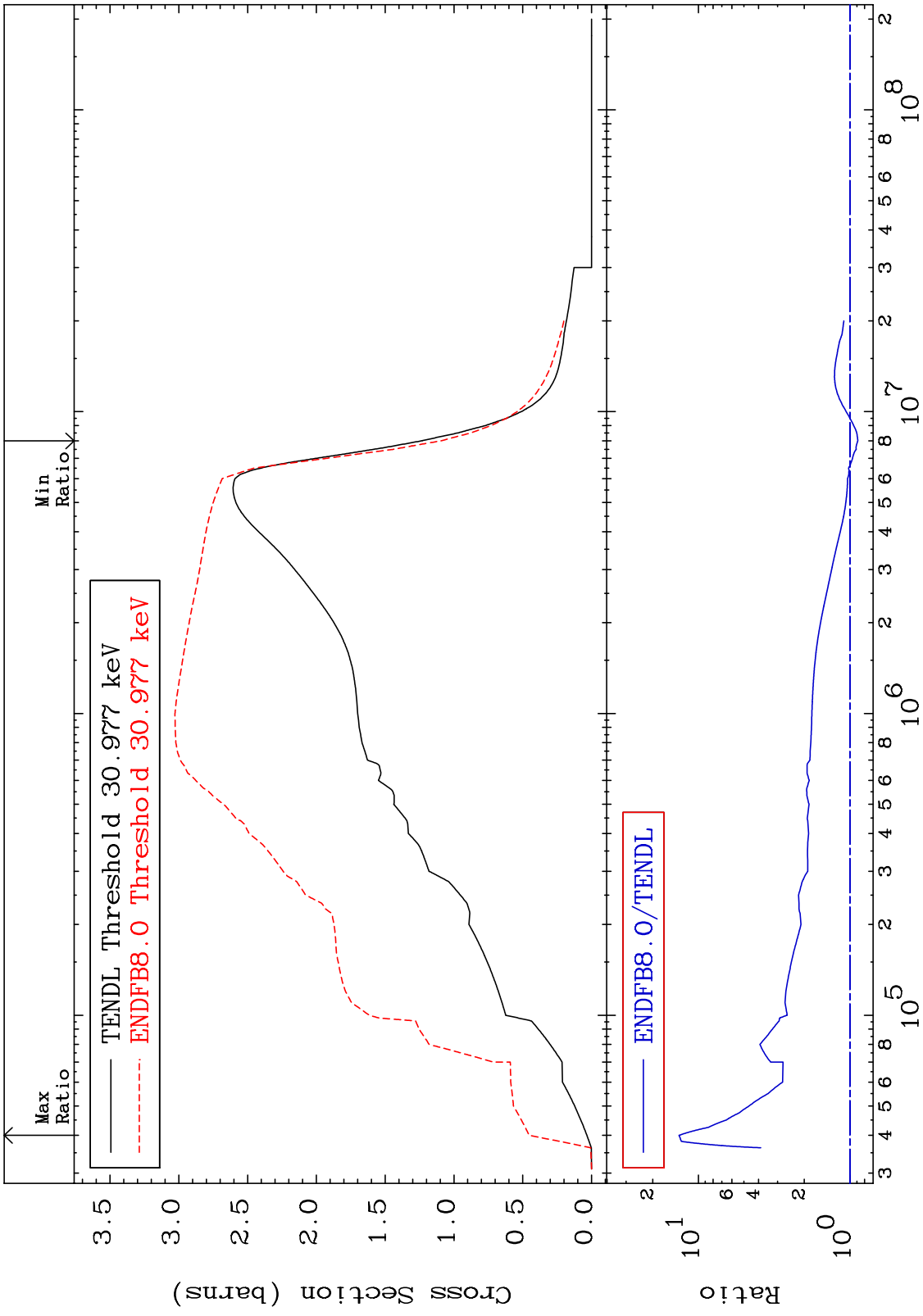


Incident Energy (eV) 76-0s-189  
1

MAT 7640 Elastic Cross Section 76-0s-189 -80.94 To 3394. %

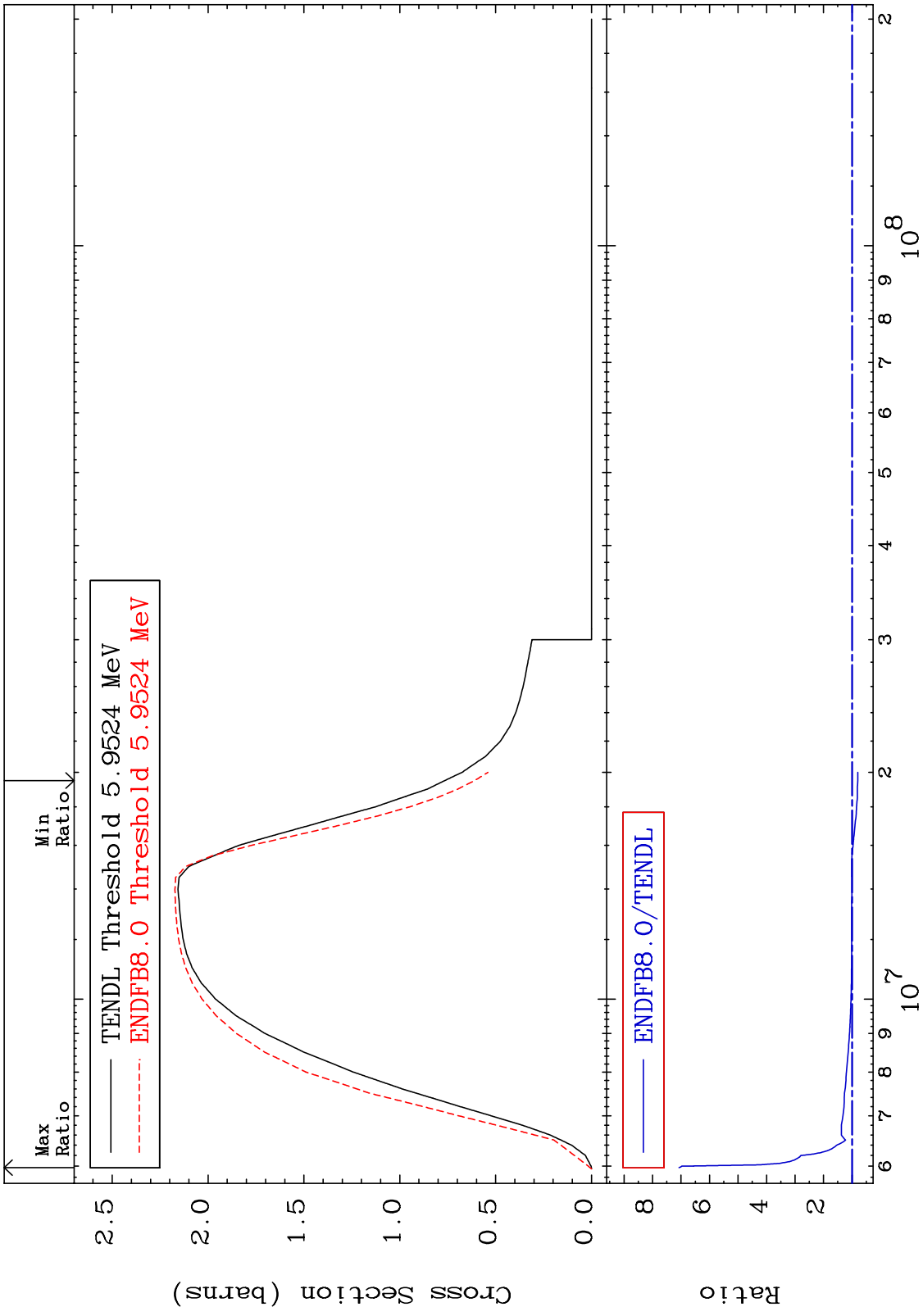


MAT 7640 Inelastic Cross Section 76-0s-189 -11.38 To 1241. %

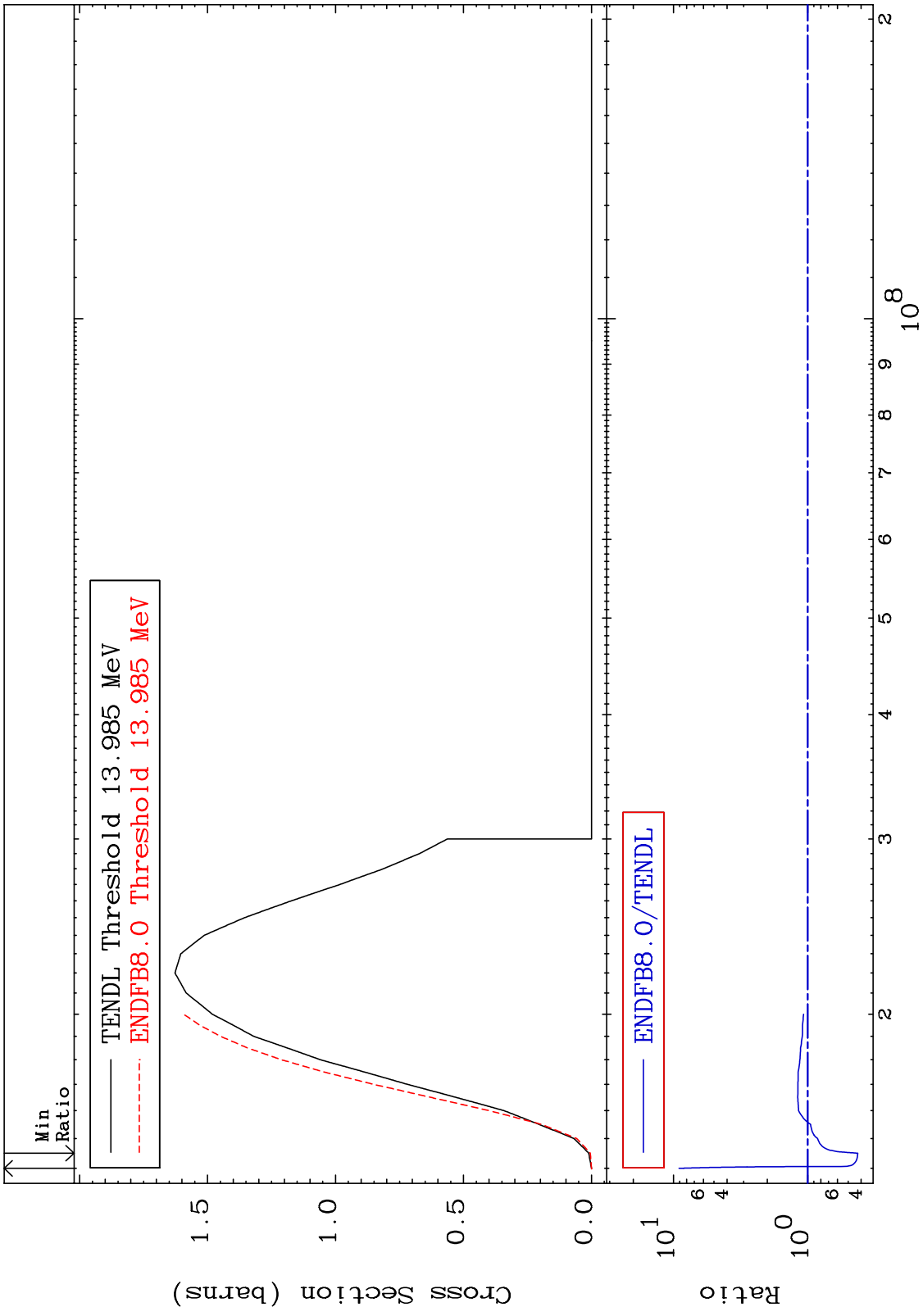


3 76-0s-189

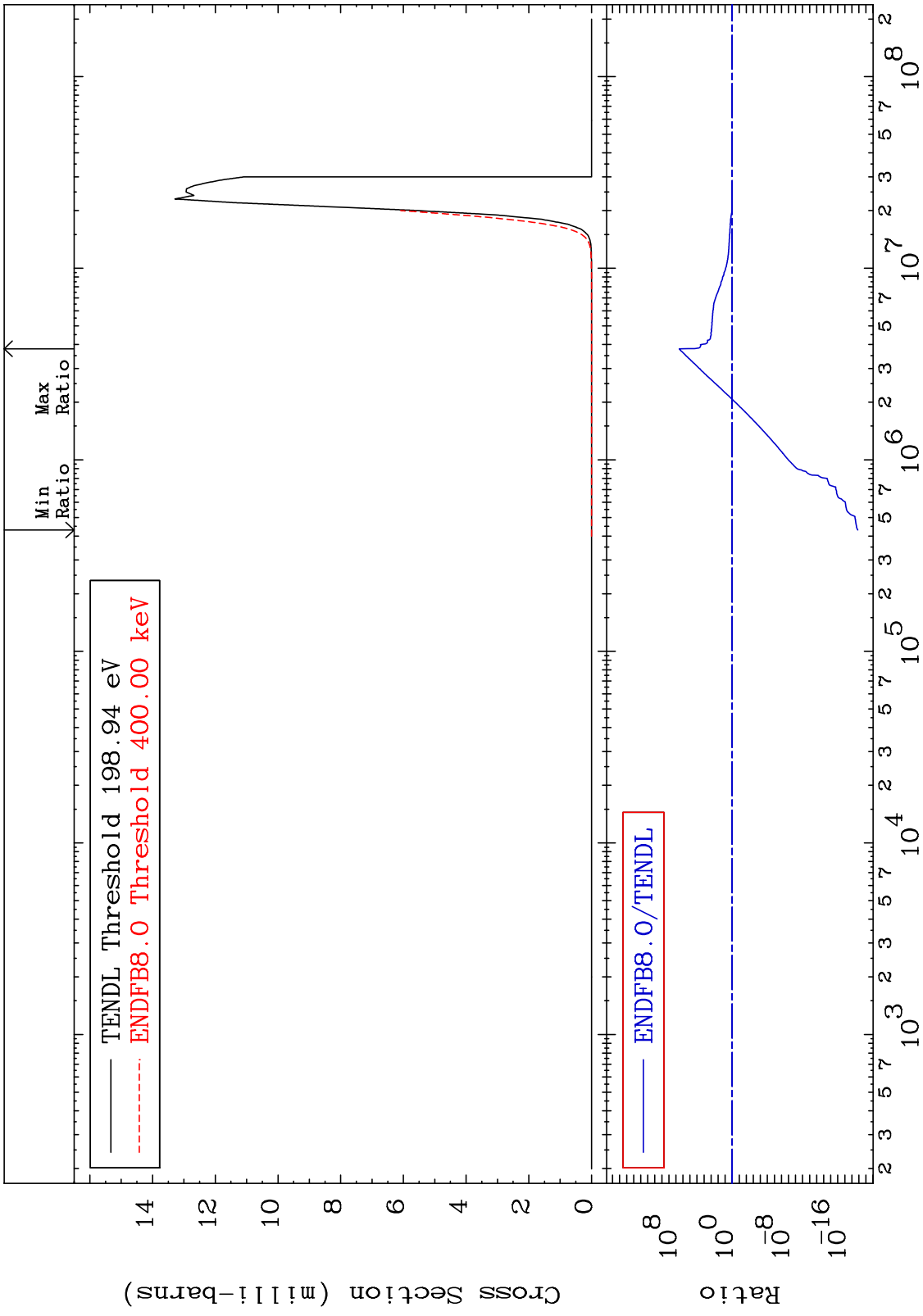
MAT 7640 (n,2n) Cross Section 76-0s-189 -20.38 To 607.0 %



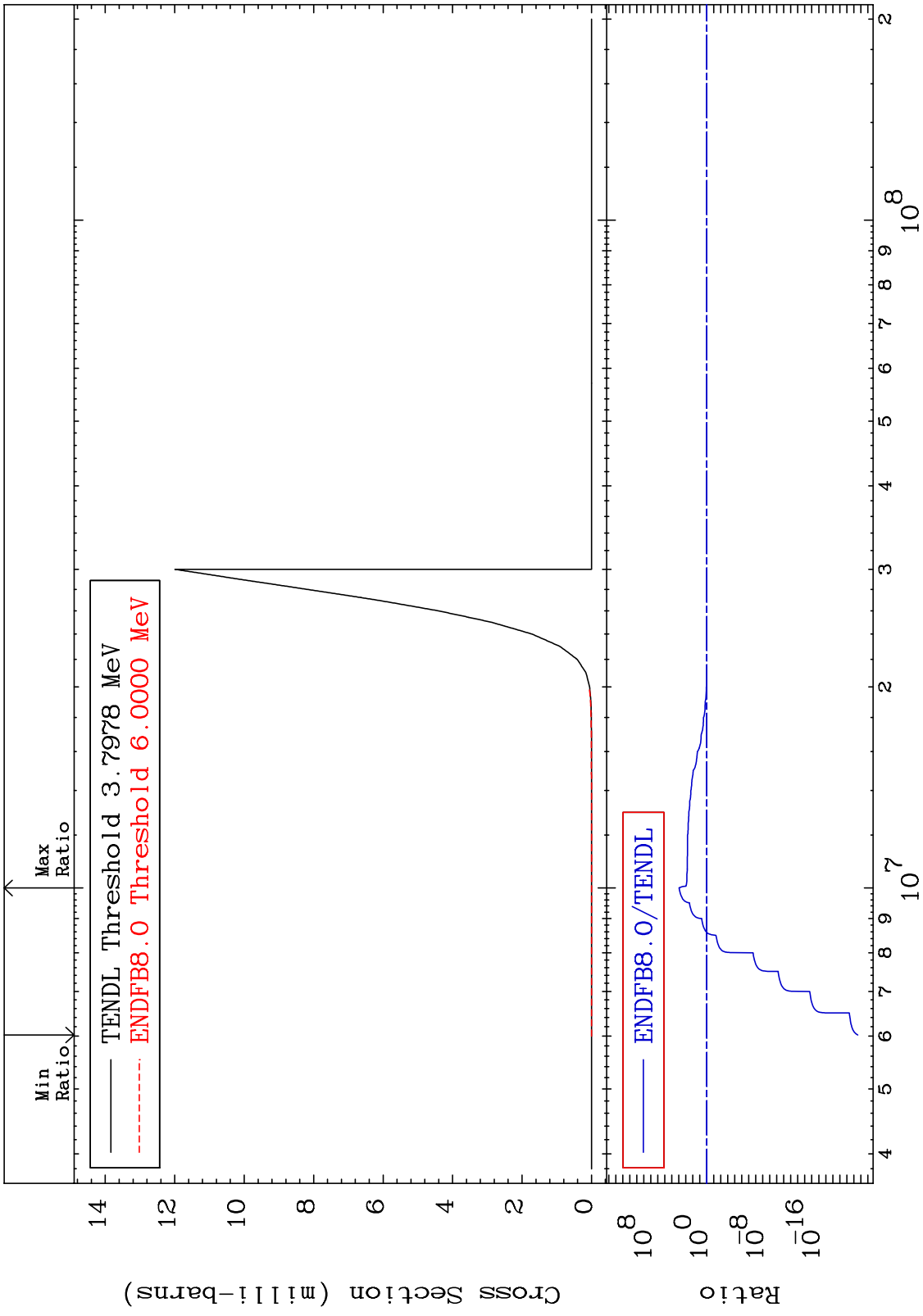
MAT 7640 (n,3n) Cross Section 76-Os-189 -57.66 To 810.7 %



MAT 7640  $(n, n') \alpha$  76-Os-189  
 Cross Section -100.0 To 9999. %



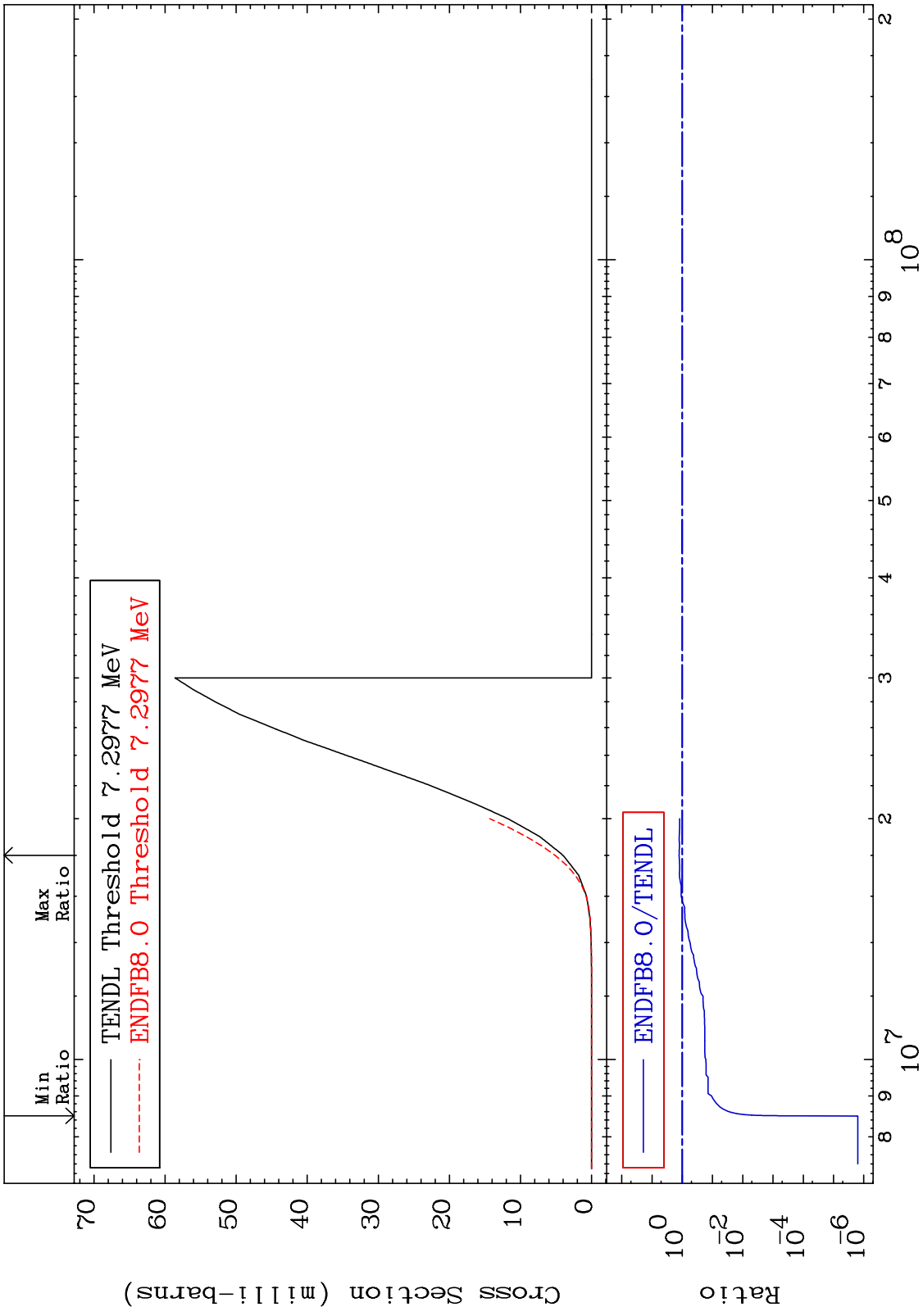
MAT 7640 (n,2n)  $\alpha$  76-Os-189  
 Cross Section -100.0 To 9999. %



7 76-Os-189 Incident Energy (eV)

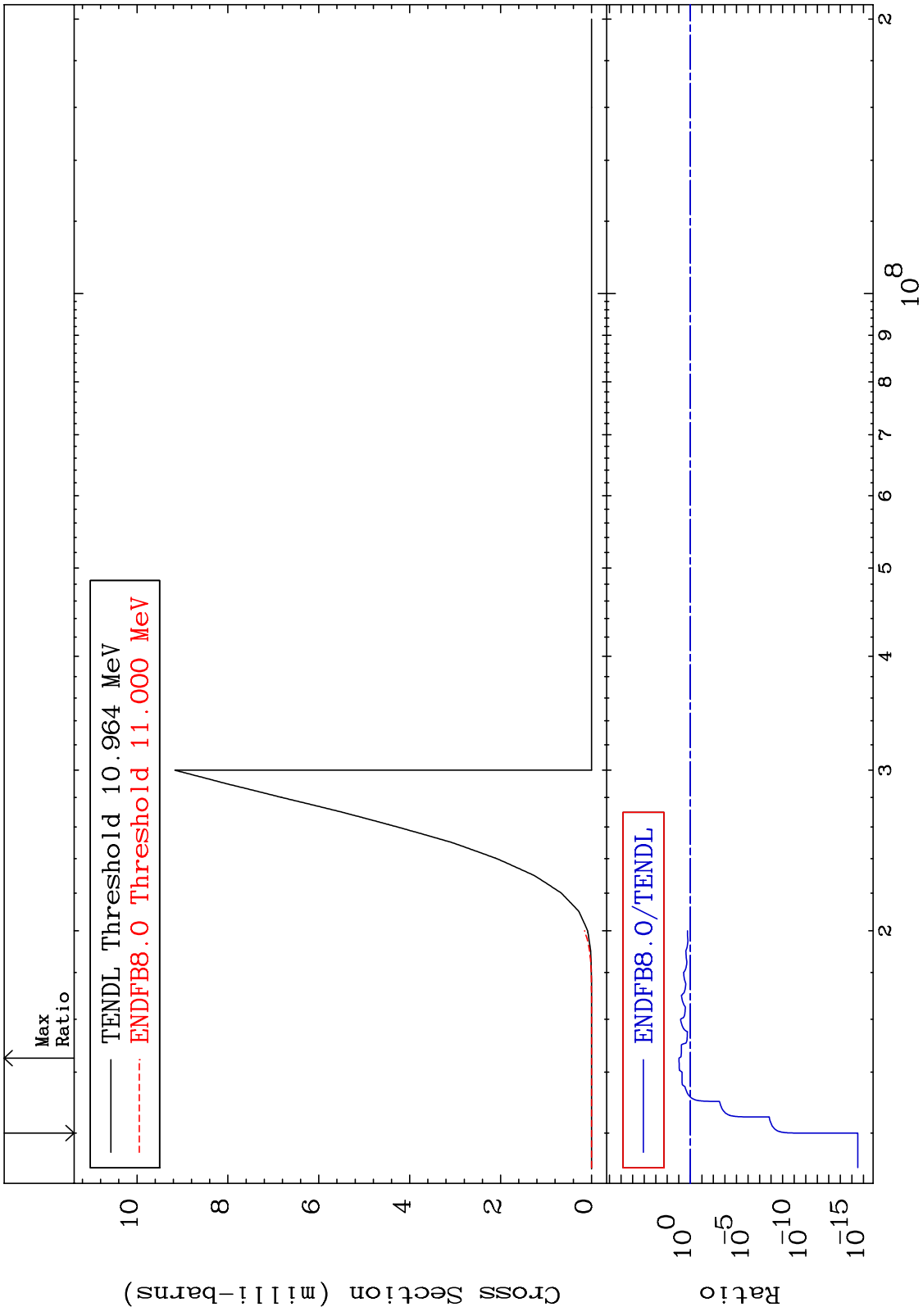


MAT 7640 (n,n') p 76-0s-189  
 Cross Section -100.0 To 27.69 %

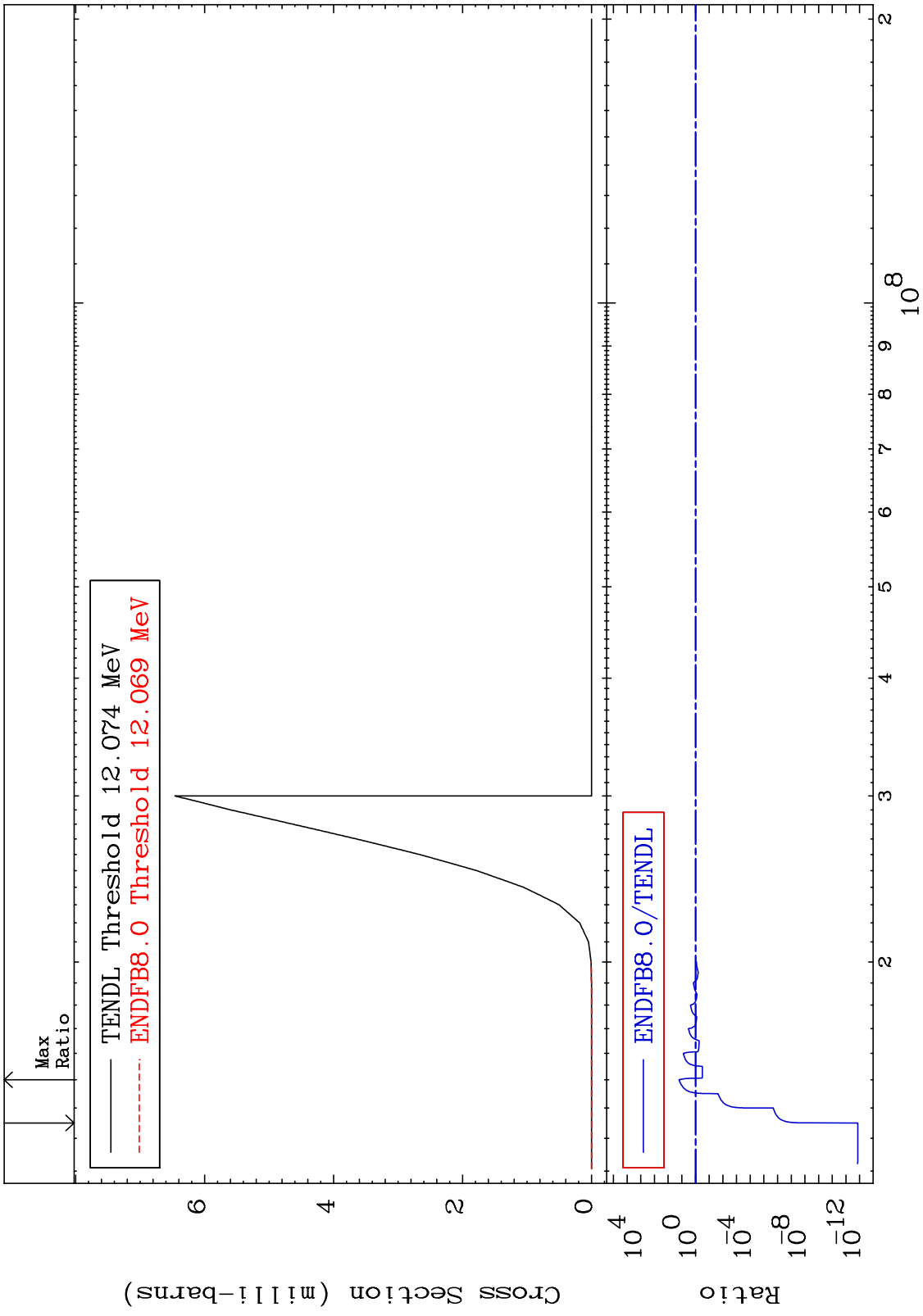


8 Incident Energy (eV) 76-0s-189

MAT 7640 (n,n') d 76-0s-189  
 Cross Section -100.0 To 850.5 %

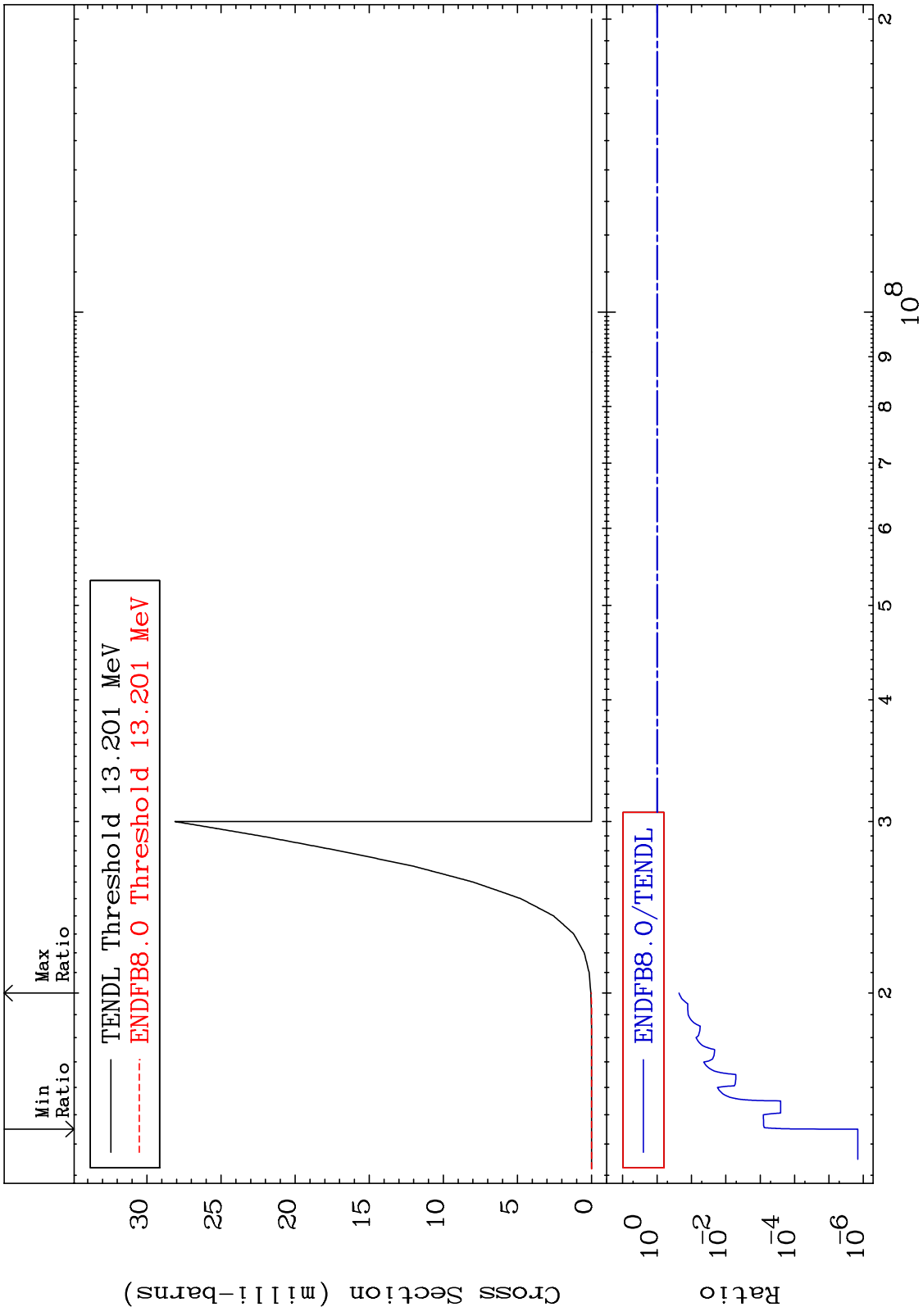


MAT 7640 (n,n') t 76-0s-189  
Cross Section -100.0 To 1498. %

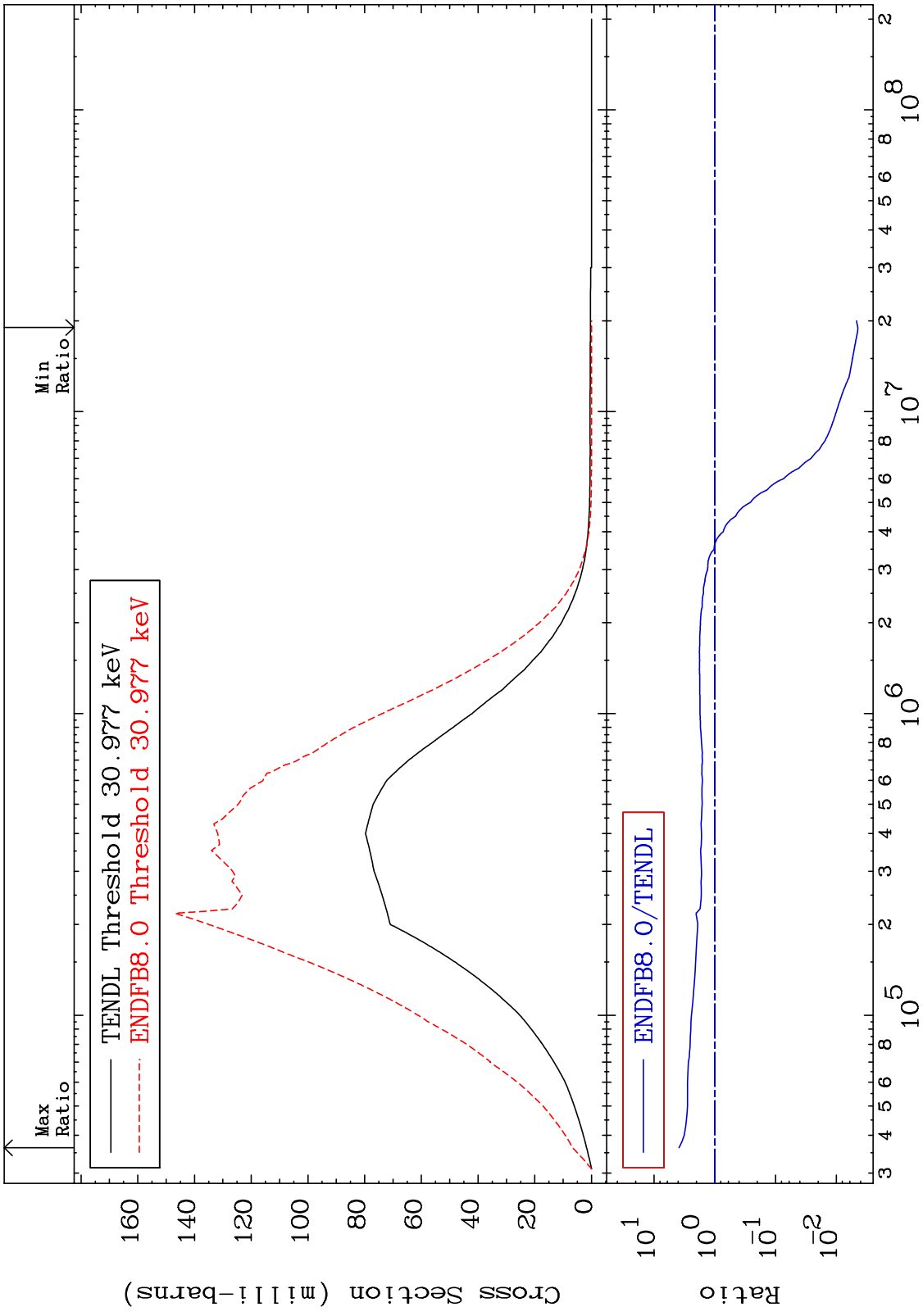


10 76-0s-189

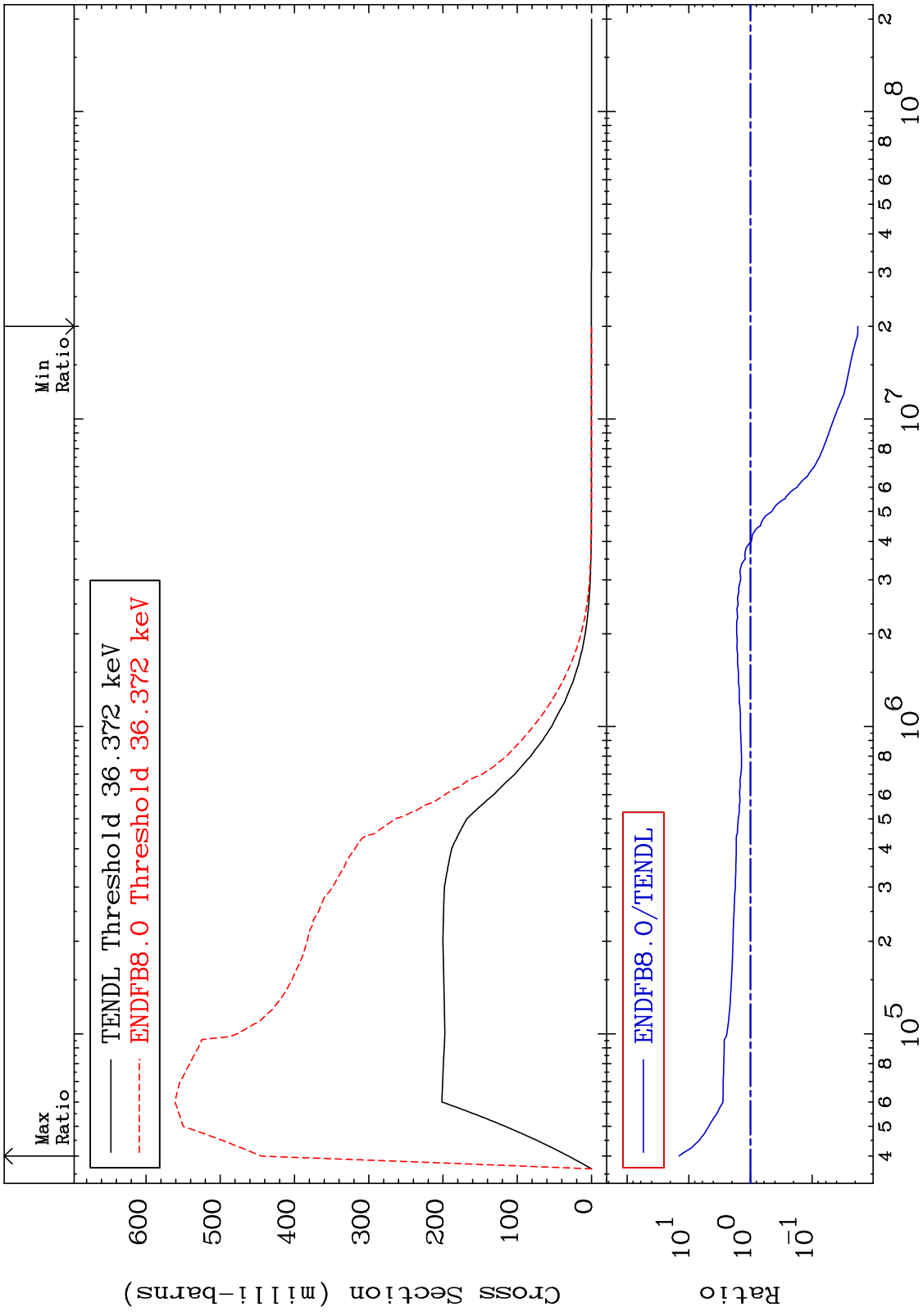
MAT 7640 (n,2n) p 76-0s-189  
 Cross Section -100.0 To -77.06%



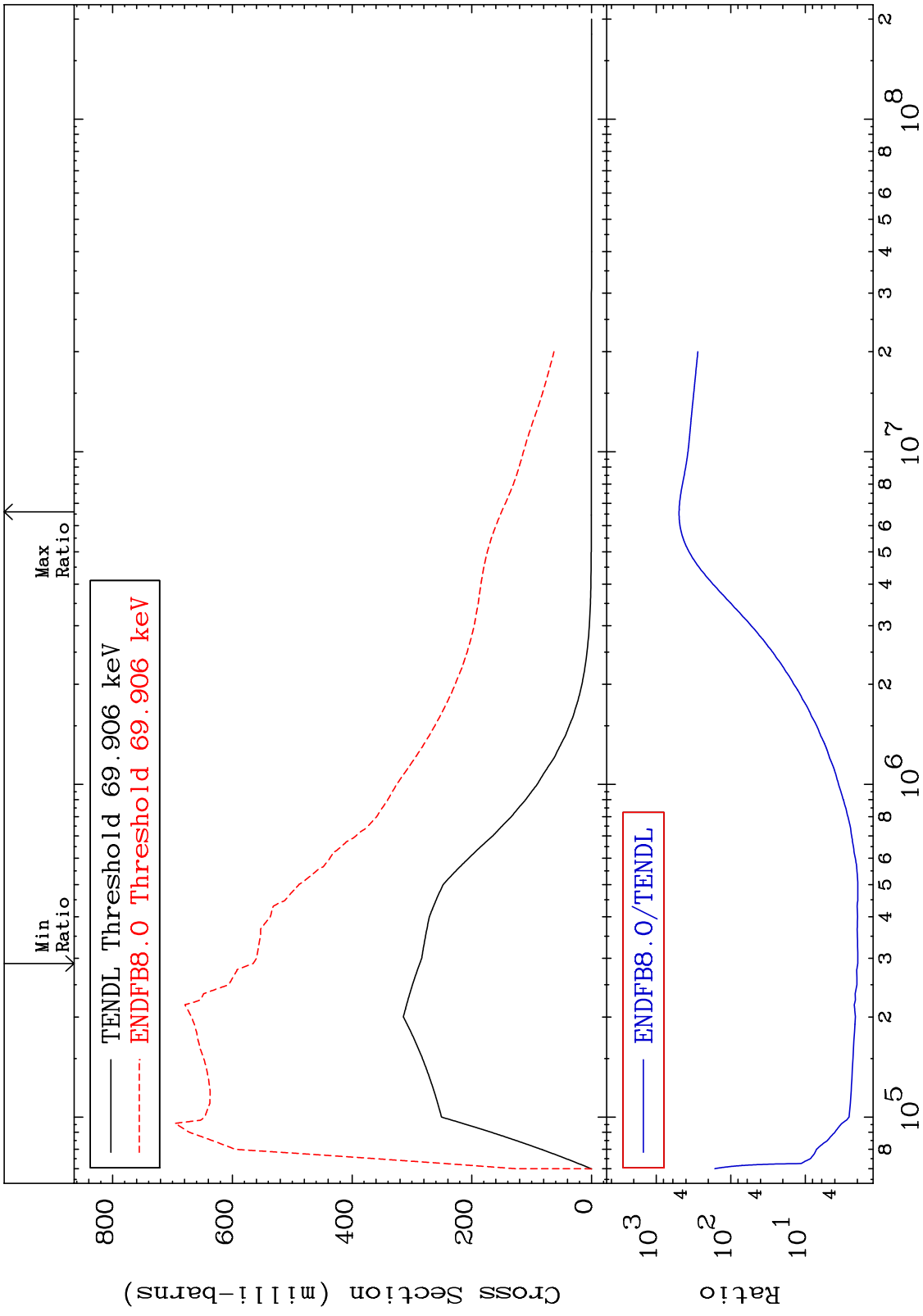
MAT 7640 MT= 51 (n,n') Level Cross Section 76-Os-189  
 -99.55 To 287.2 %



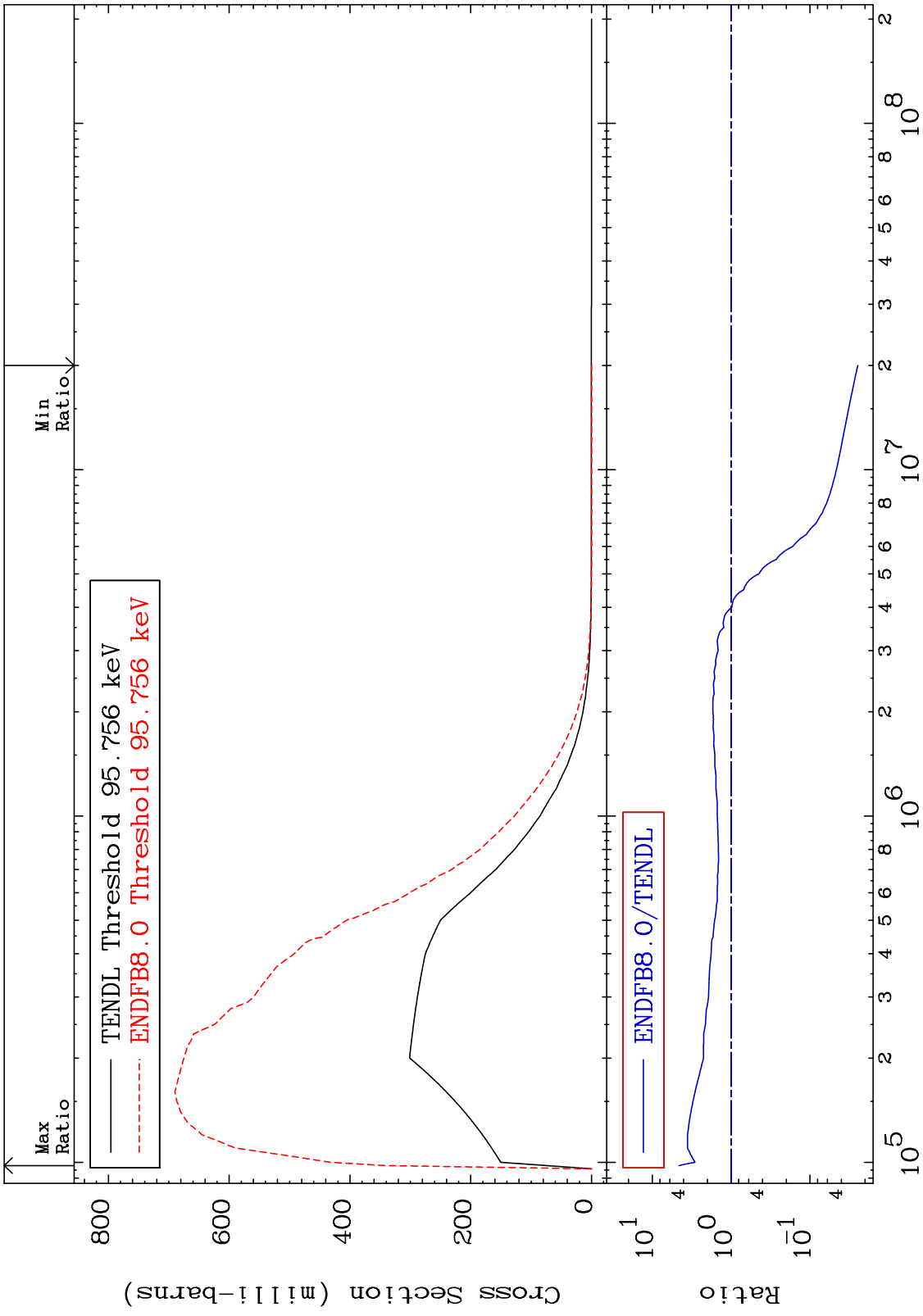
MAT 7640 MT= 52 (n,n') Level Cross Section 76-Os-189 -98.19 To 1336. %



MAT 7640 MT= 53 (n,n') Level Cross Section 76-Os-189 97.00 To 9999. %



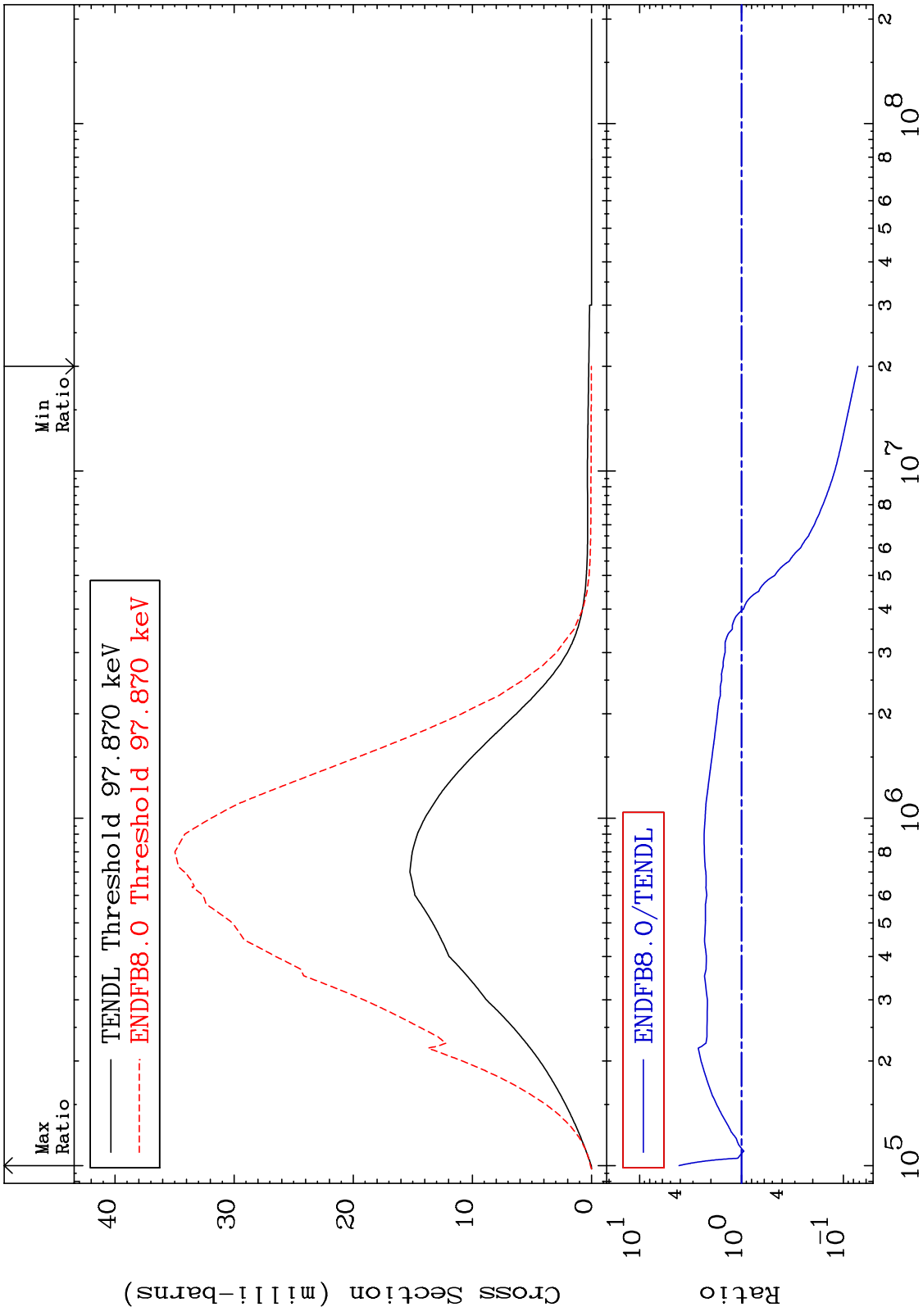
MAT 7640 MT= 54 (n,n') Level Cross Section 76-Os-189 -97.53 To 357.3 %



15 Incident Energy (eV) 76-Os-189

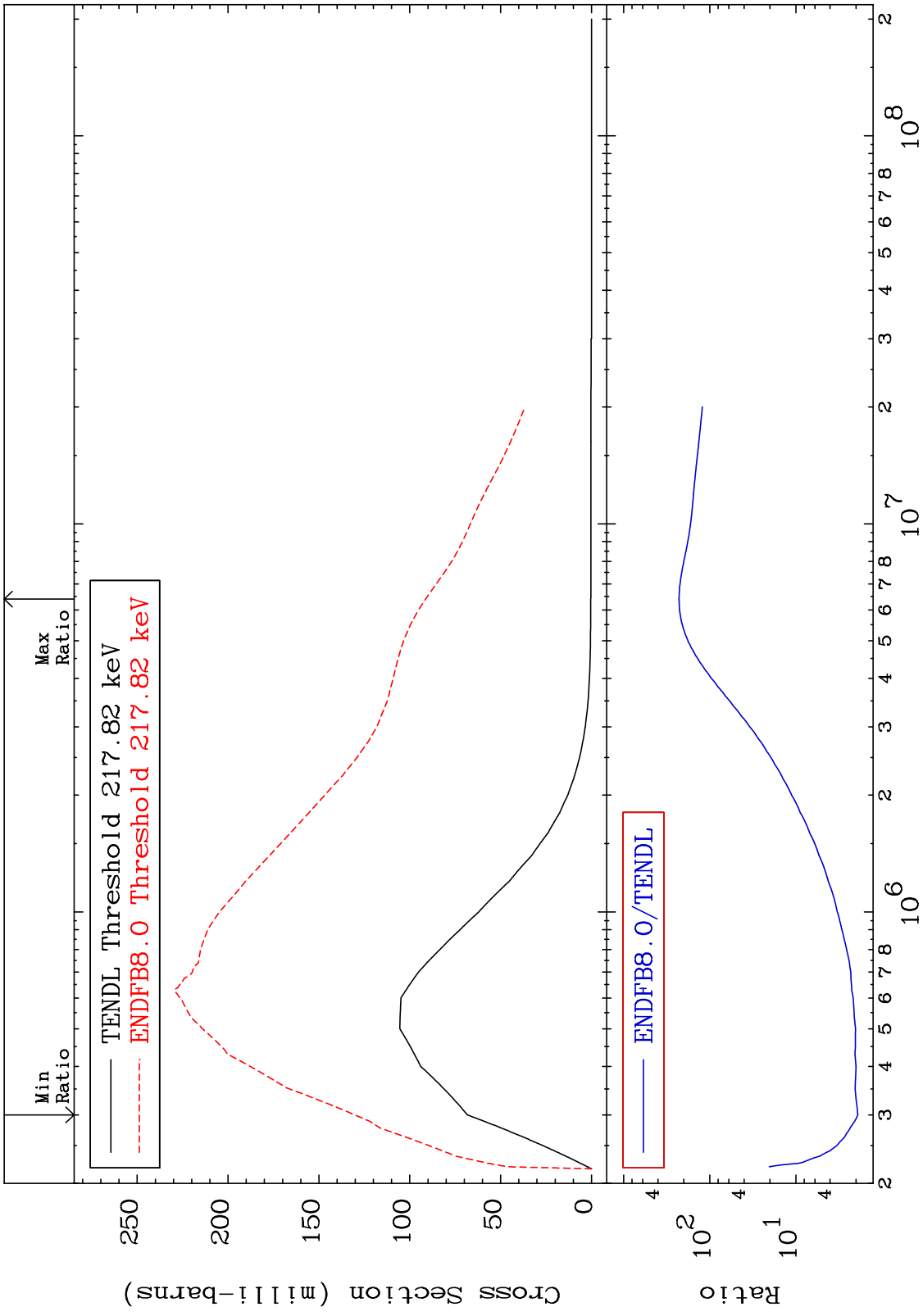


MAT 7640 MT= 55 (n,n') Level Cross Section 76-0s-189  
 -92.78 To 311.2 %

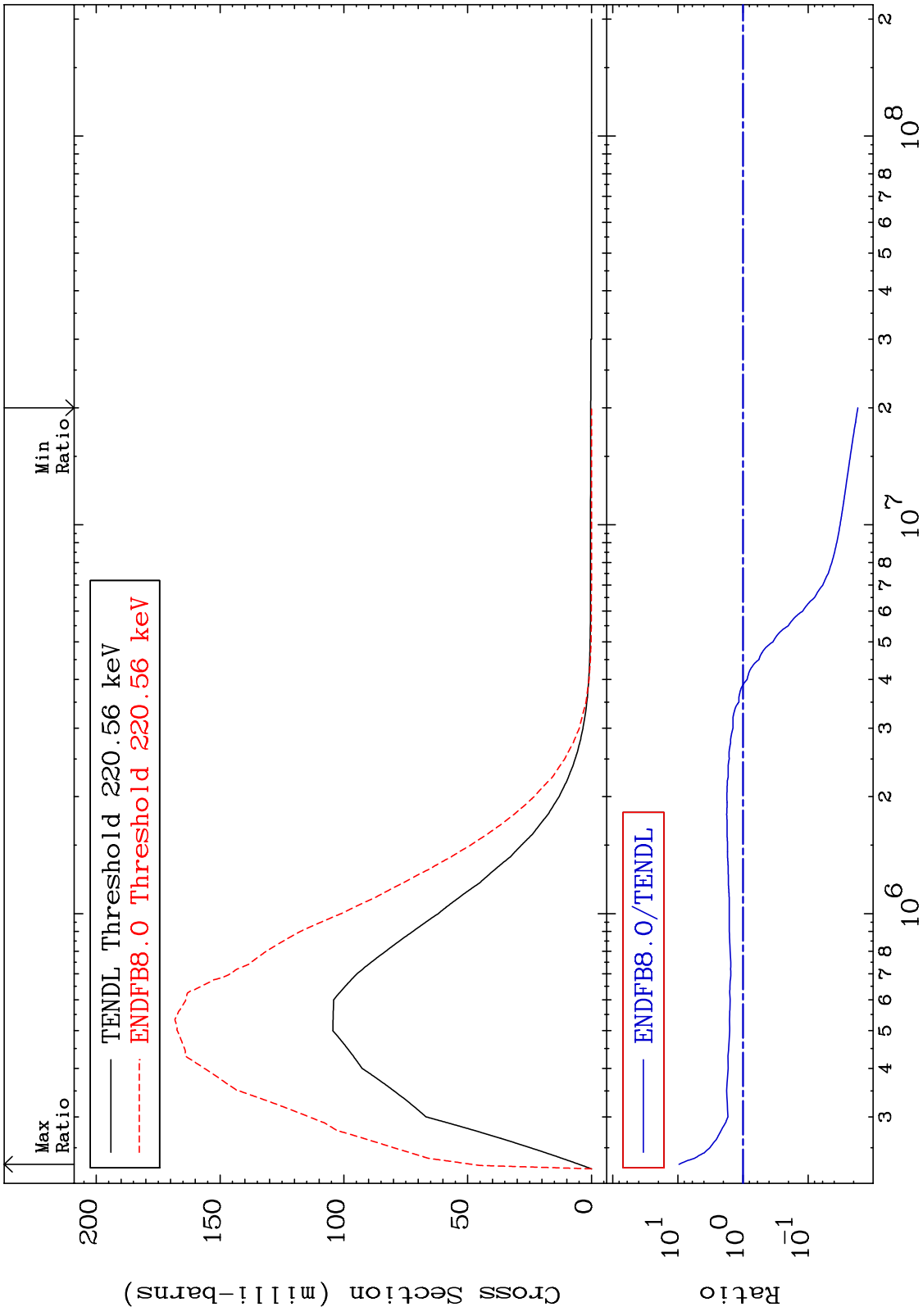


16 Incident Energy (eV) 76-0s-189

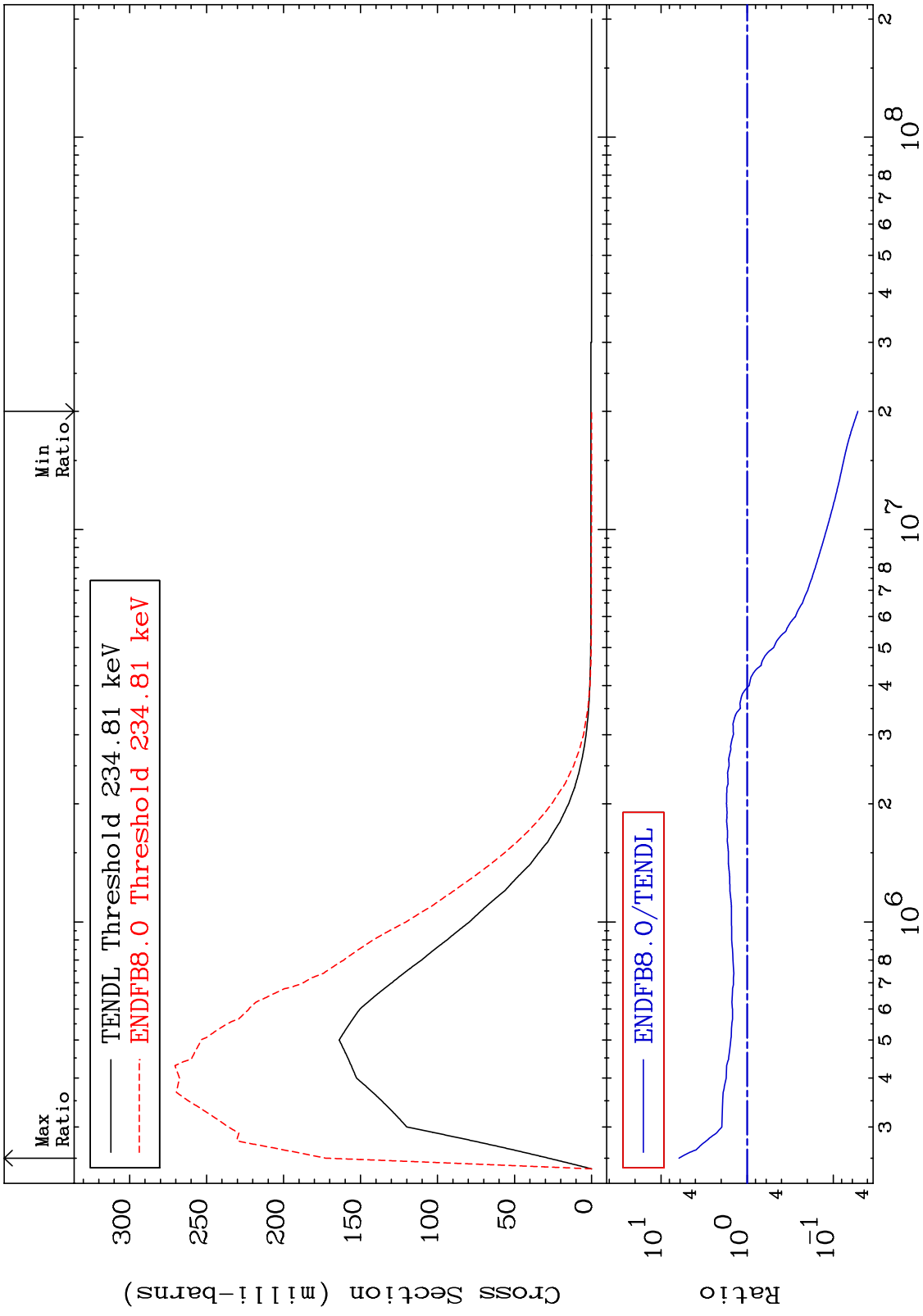
MAT 7640 MT= 56 (n,n') Level Cross Section 76-Os-189 90.71 To 9999. %



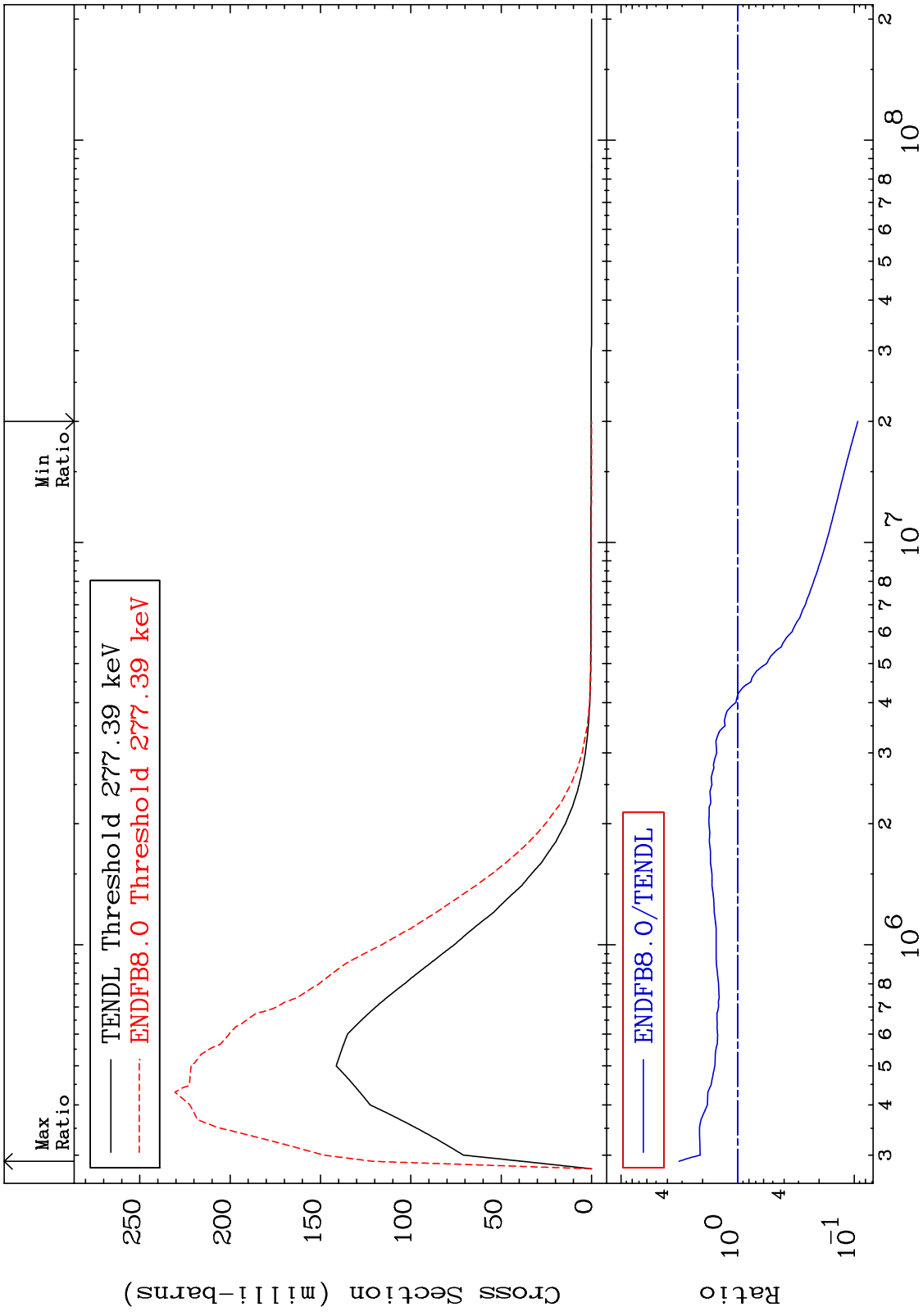
MAT 7640 MT= 57 (n,n') Level Cross Section 76-Os-189 -98.27 To 861.2 %



MAT 7640 MT= 58 (n,n') Level Cross Section 76-Os-189 -94.82 To 518.0 %

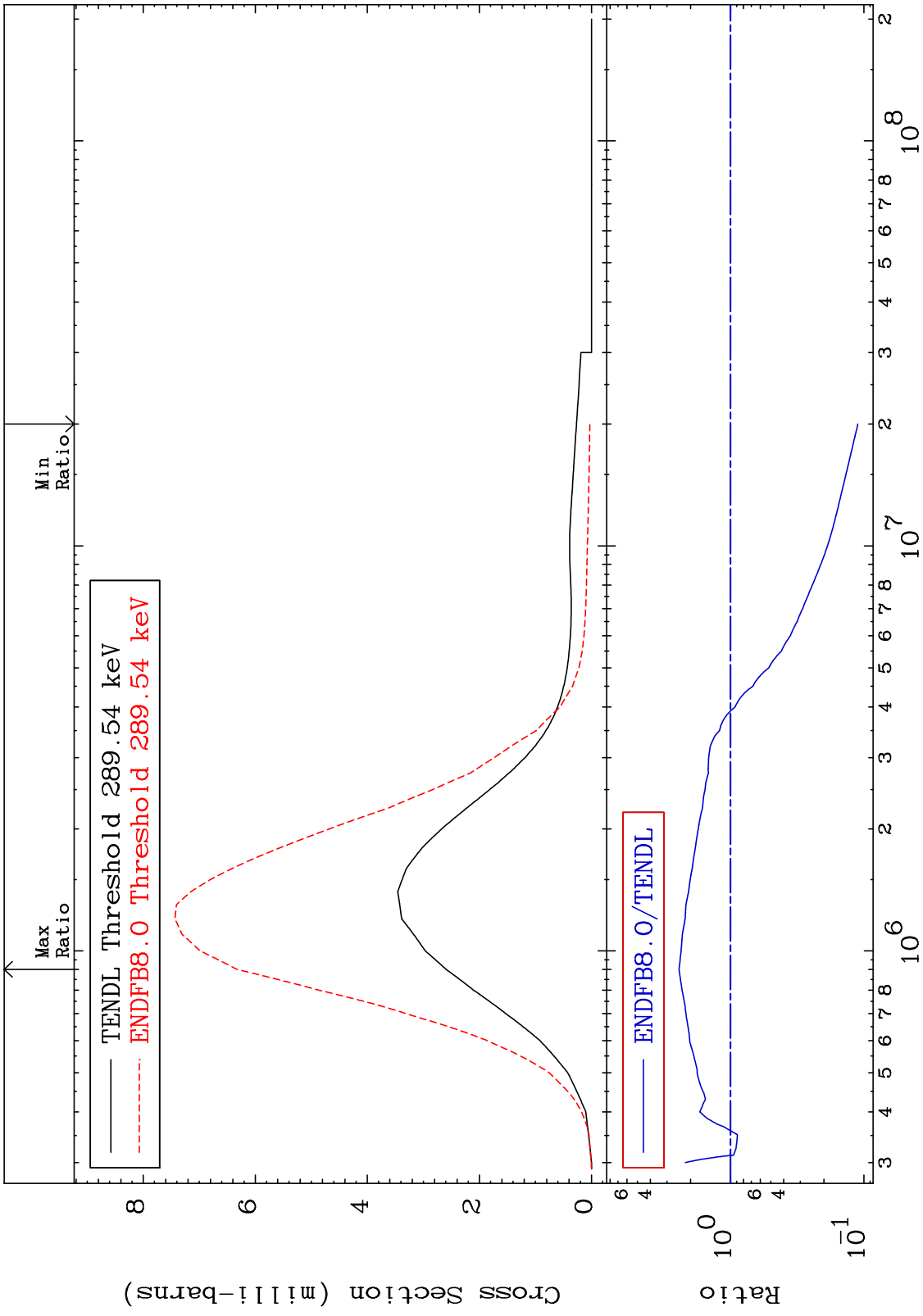


MAT 7640 MT= 59 (n,n') Level Cross Section 76-Os-189 -90.69 To 217.7 %

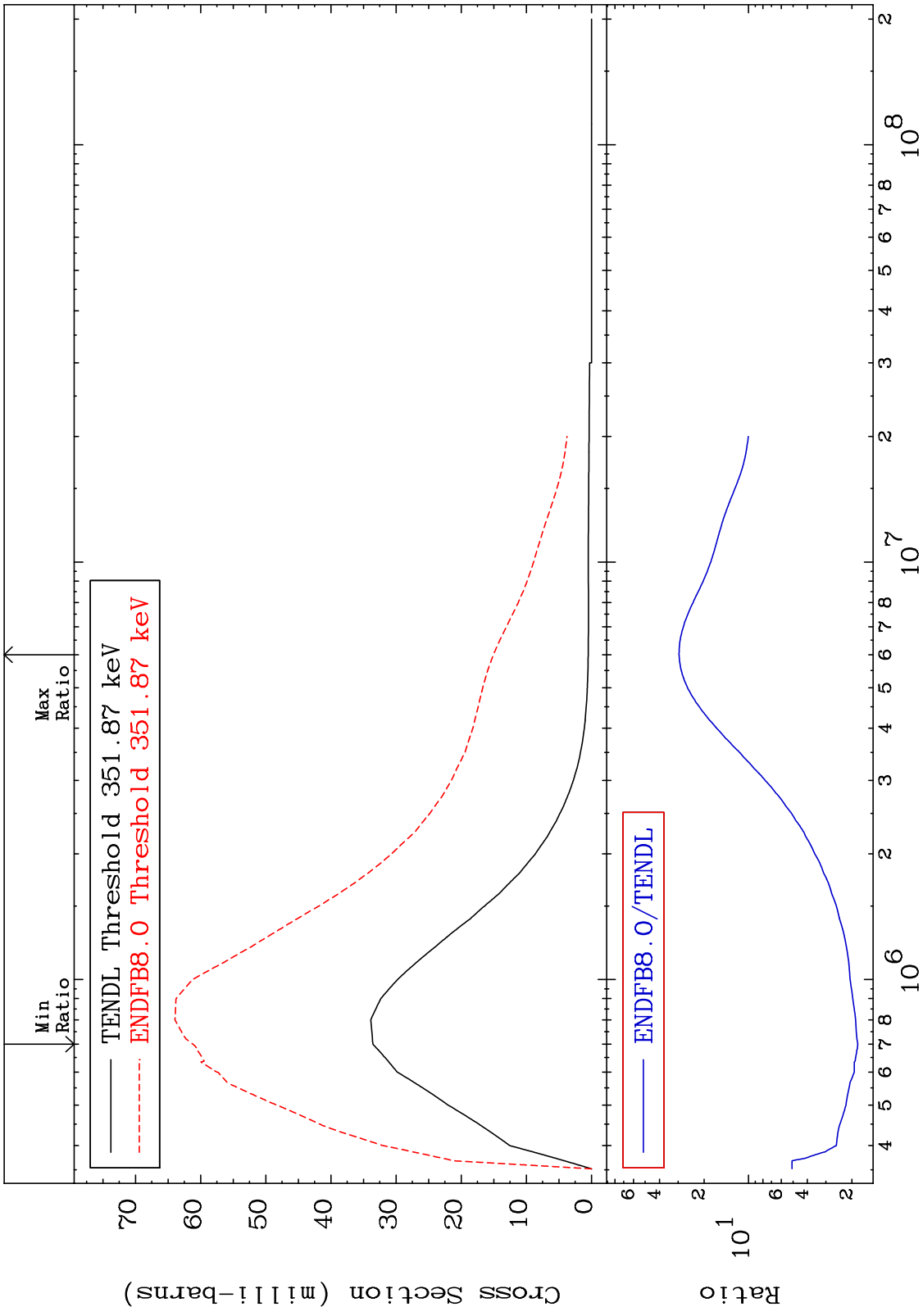


20 76-Os-189

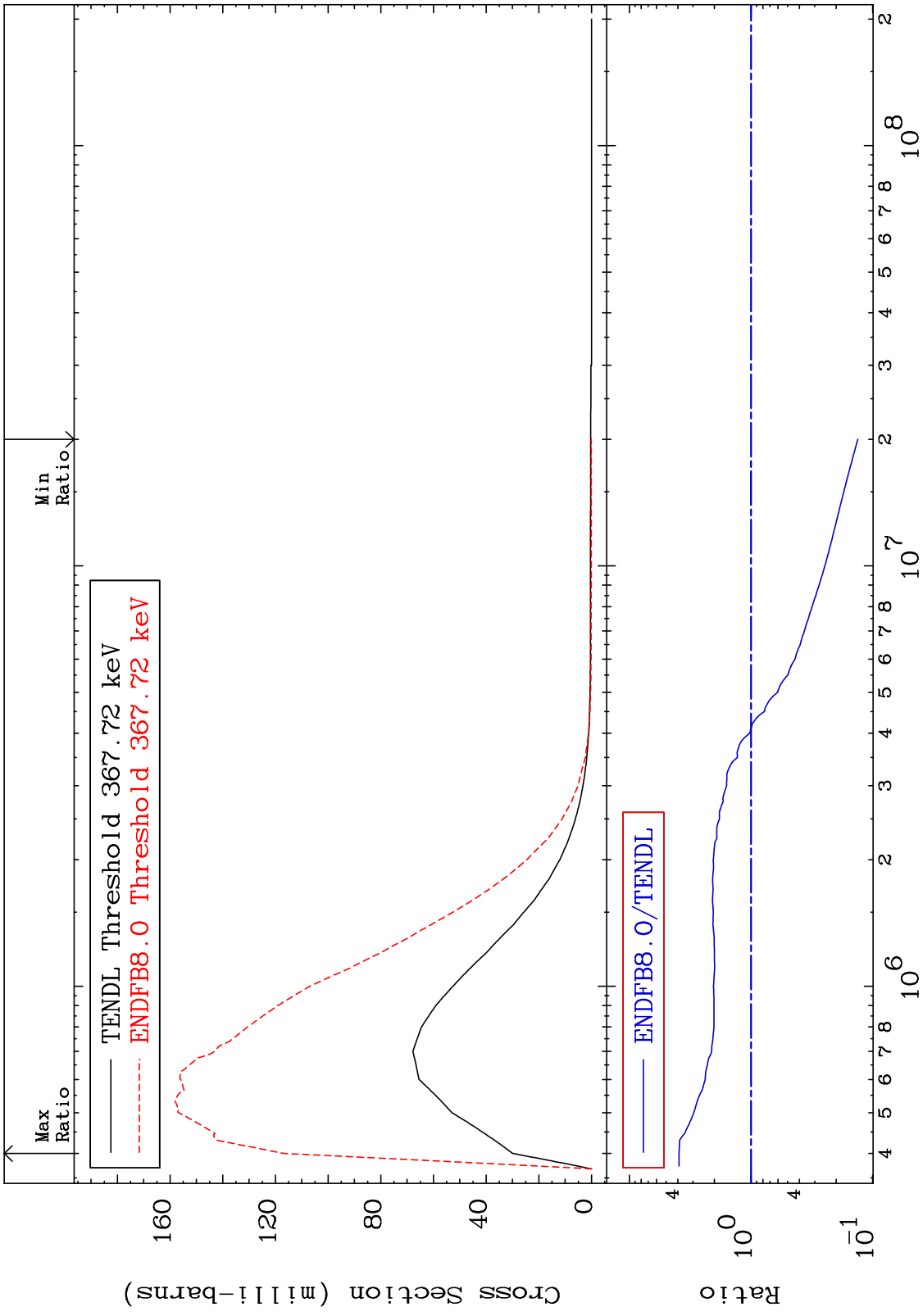
MAT 7640 MT= 60 (n,n') Level Cross Section 76-0s-189  
 -88.88 To 143.7 %



MAT 7640 MT= 61 (n,n') Level Cross Section 76-0s-189  
 82.30 To 2852. %

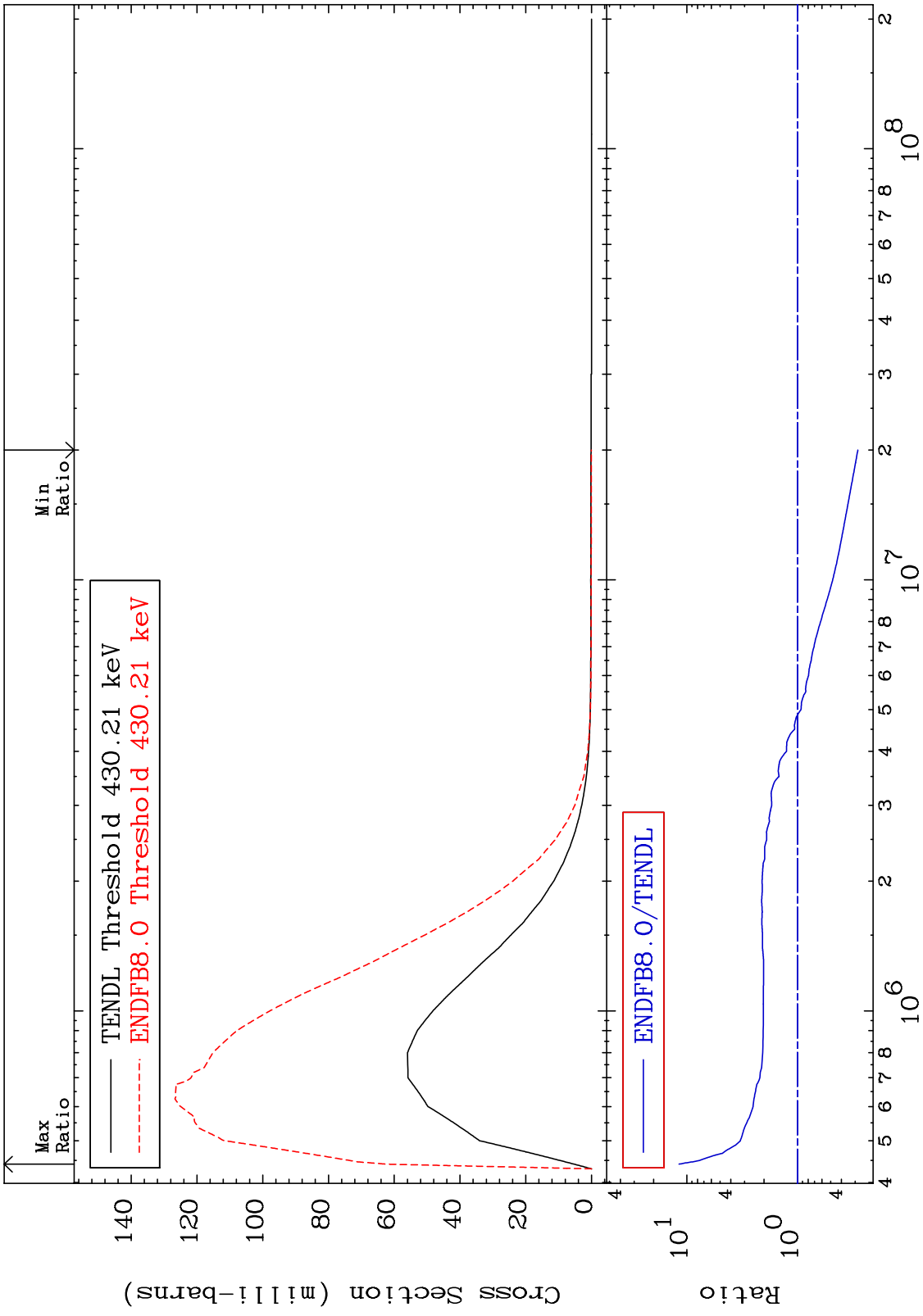


MAT 7640 MT= 62 (n,n') Level Cross Section 76-Os-189 -86.76 To 290.8 %

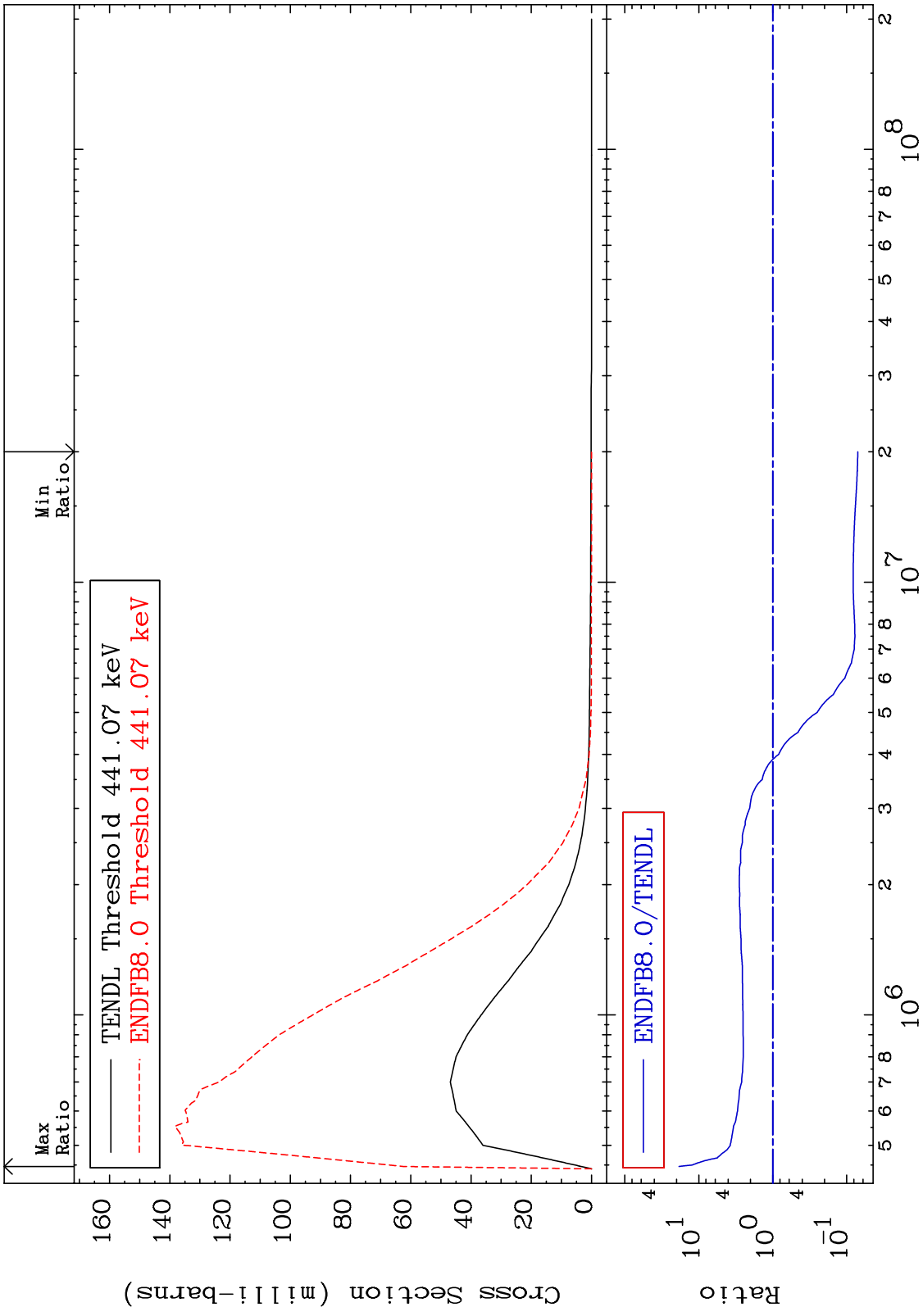




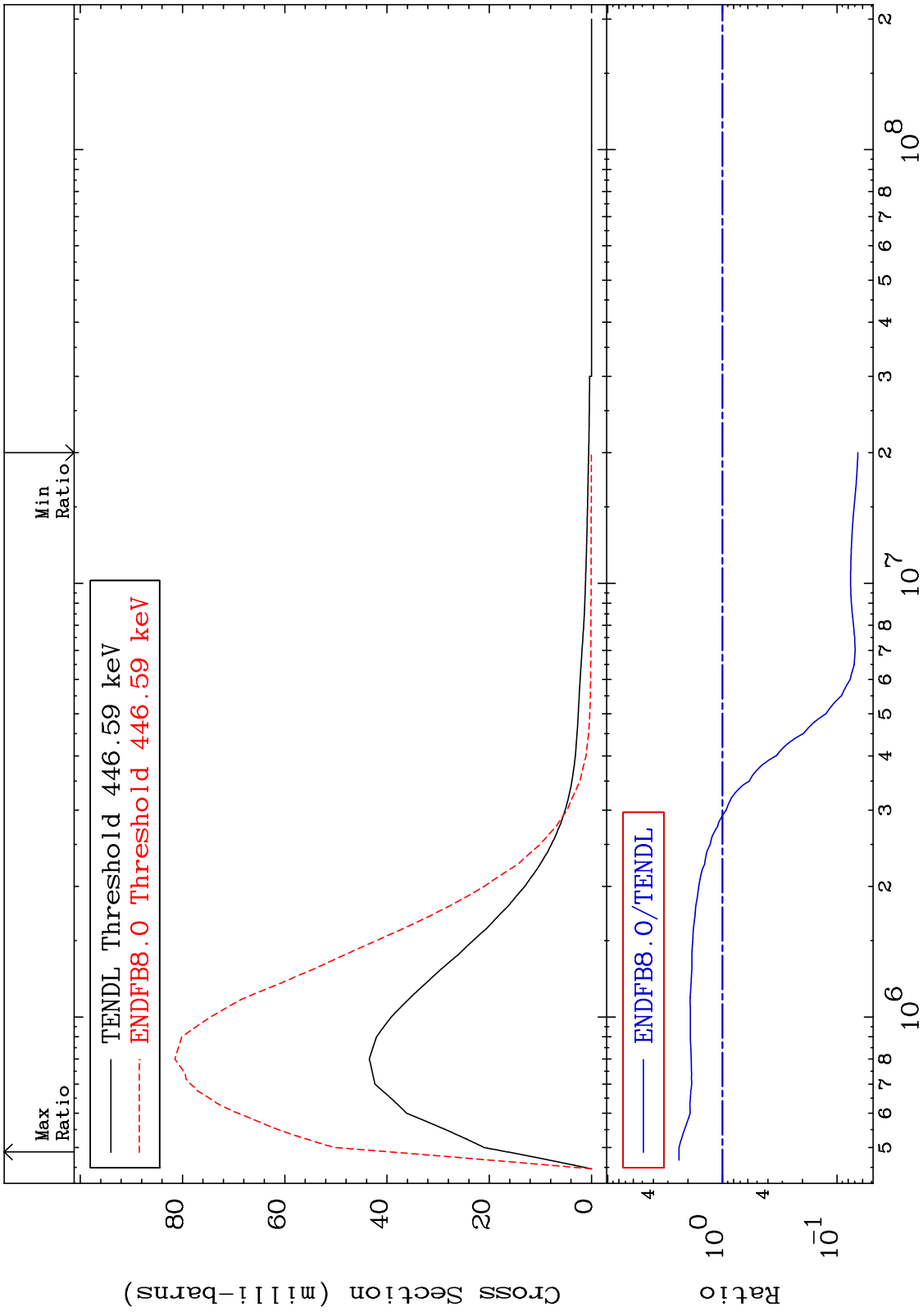
MAT 7640 MT= 63 (n,n') Level Cross Section 76-Os-189  
 -71.62 To 1076. %



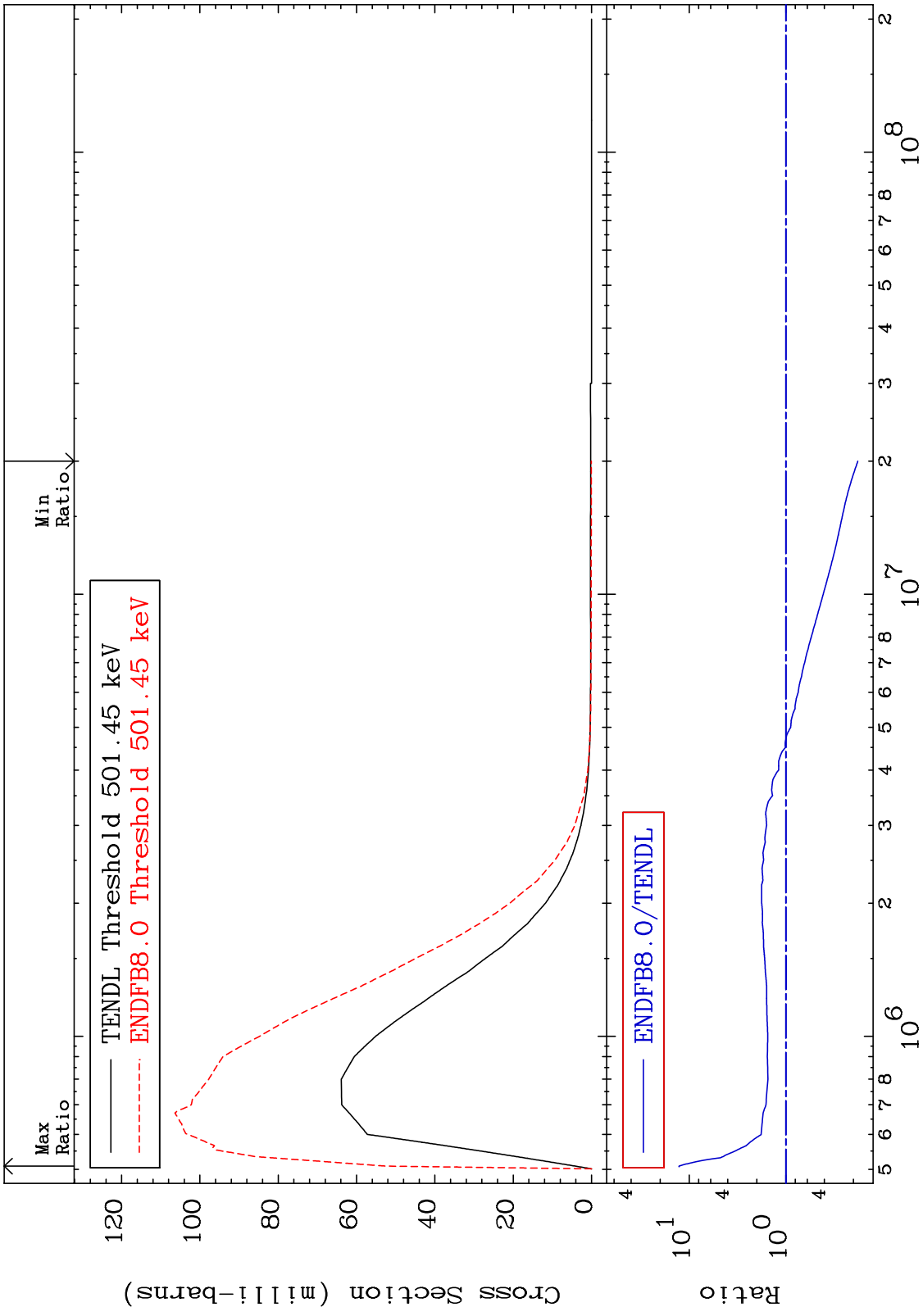
MAT 7640 MT= 64 (n,n') Level Cross Section 76-0s-189 -92.93 To 1750. %



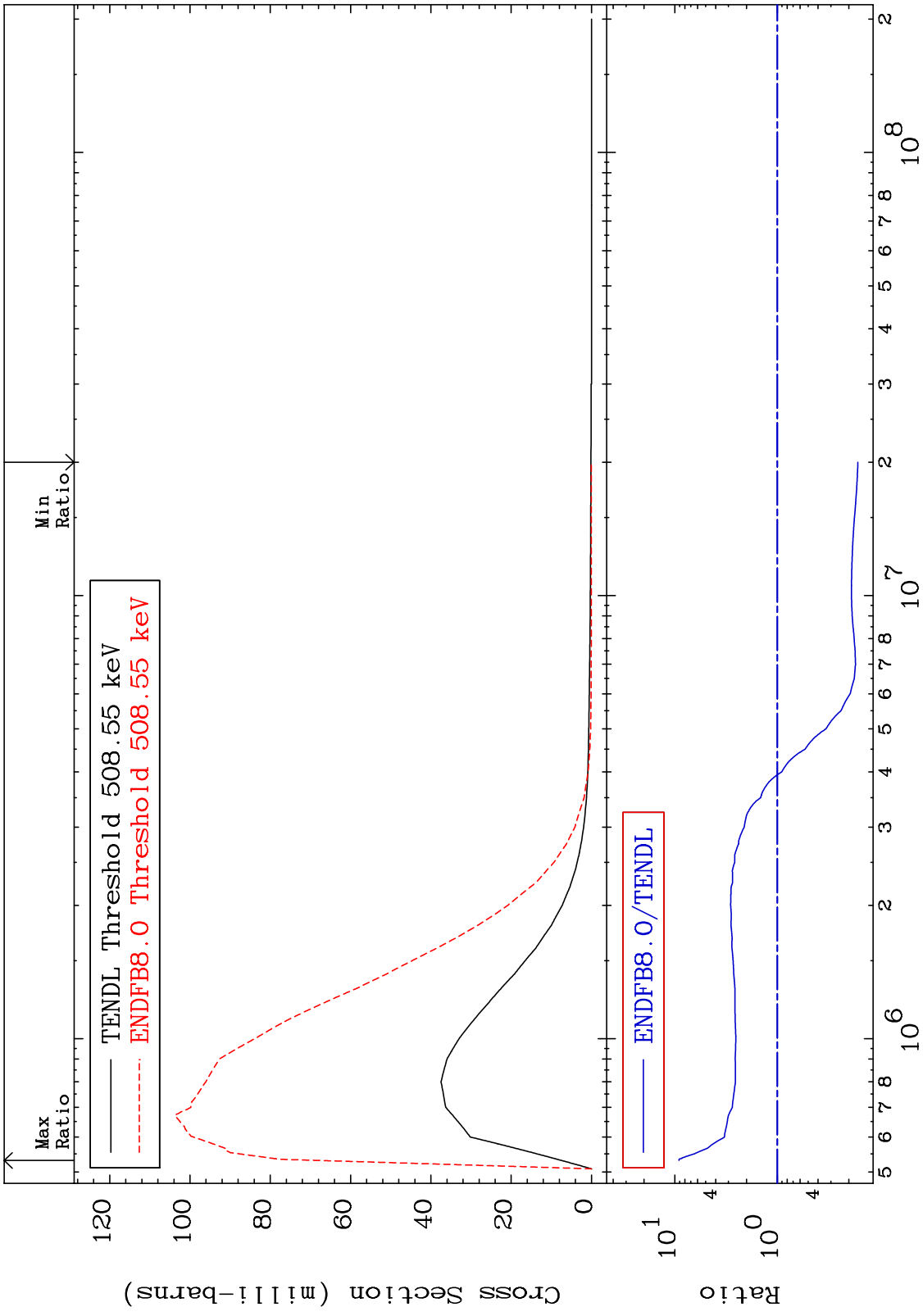
MAT 7640 MT= 65 (n,n') Level Cross Section 76-0s-189  
 -93.41 To 139.0 %



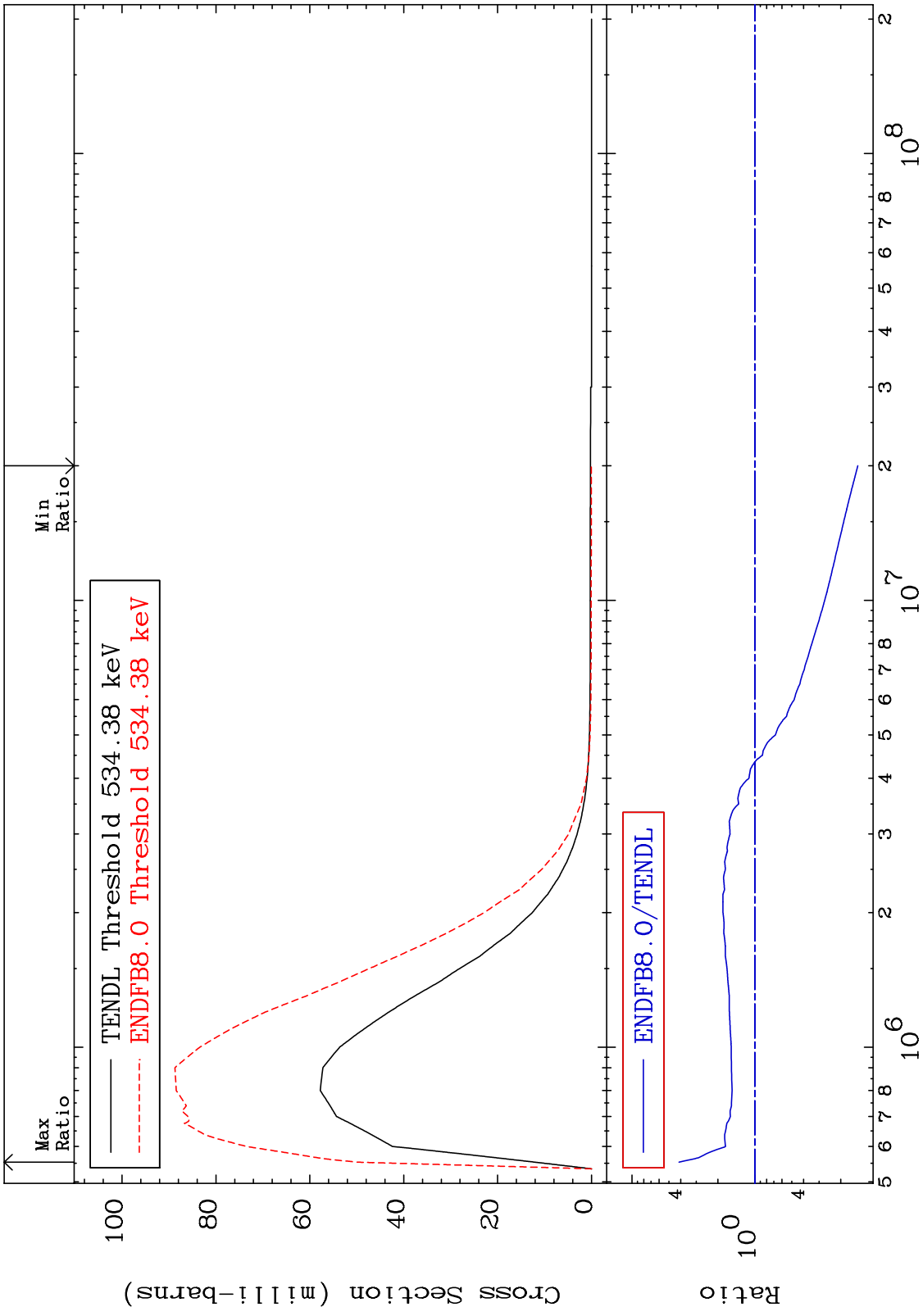
MAT 7640 MT= 66 (n,n') Level Cross Section 76-0s-189  
 -82.02 To 1174. %



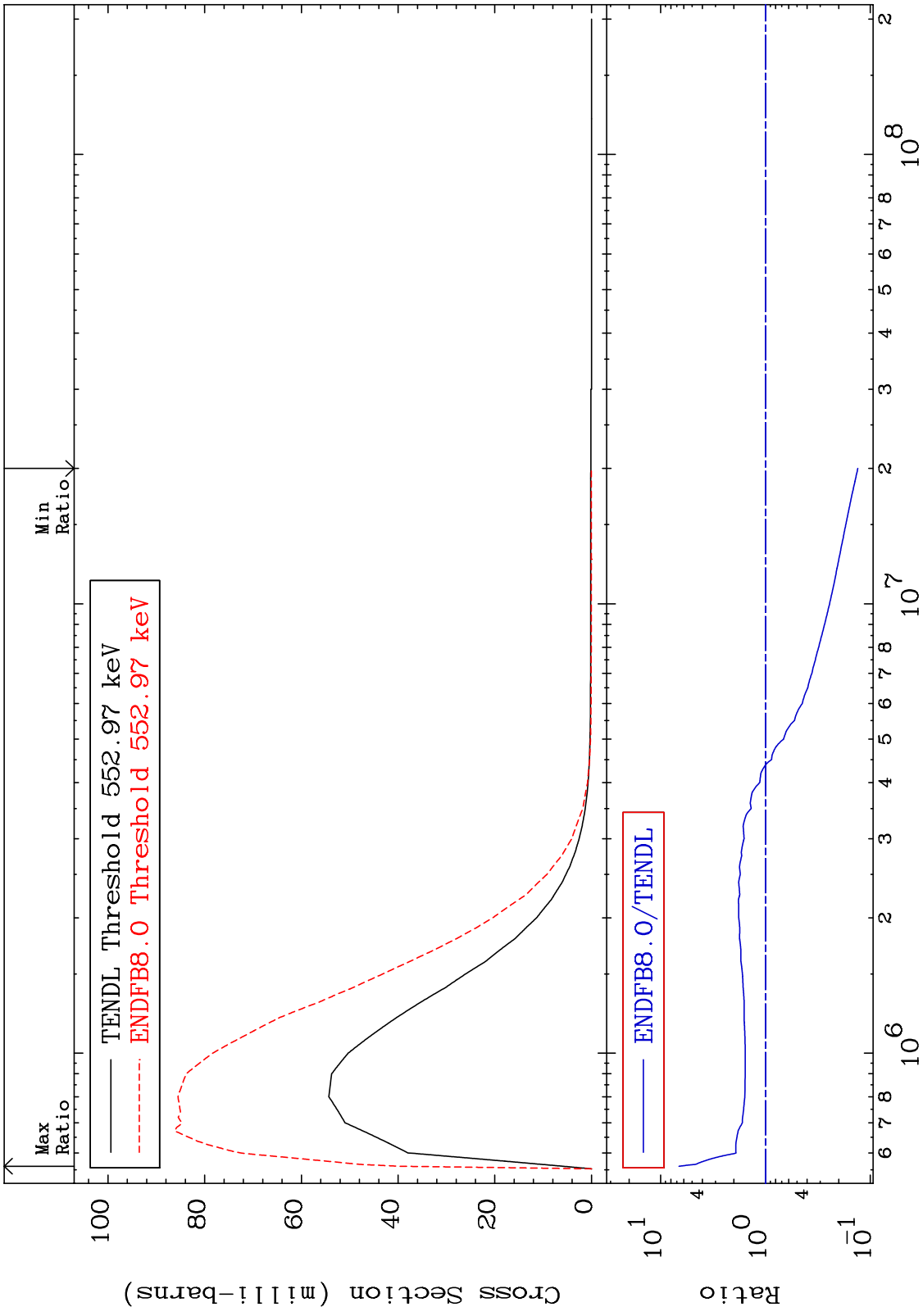
MAT 7640 MT= 67 (n,n') Level Cross Section 76-Os-189 -83.63 To 810.7 %



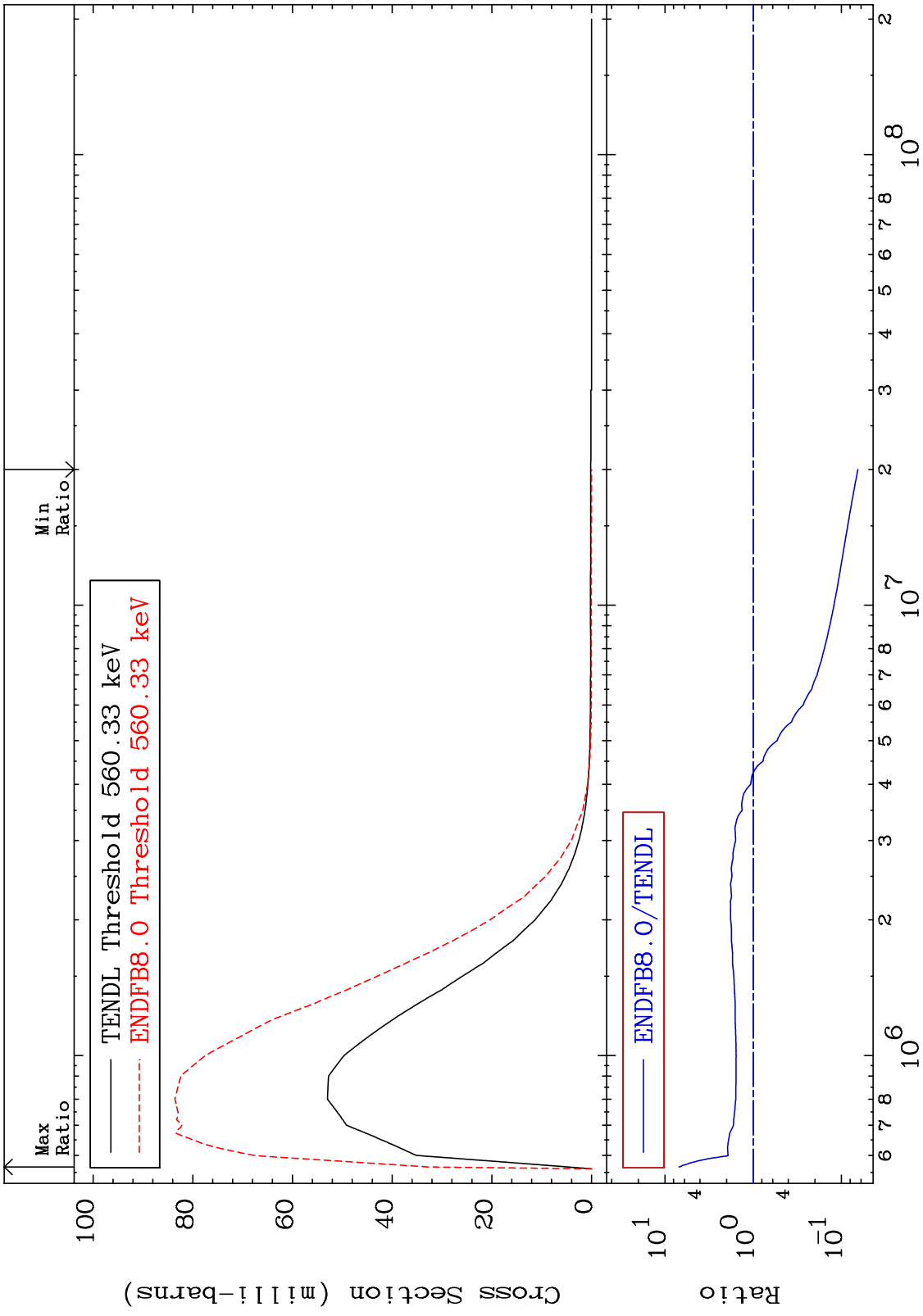
MAT 7640 MT= 68 (n,n') Level Cross Section 76-Os-189 -85.50 To 313.4 %



MAT 7640 MT= 69 (n,n') Level Cross Section 76-0s-189  
 -86.86 To 567.3 %

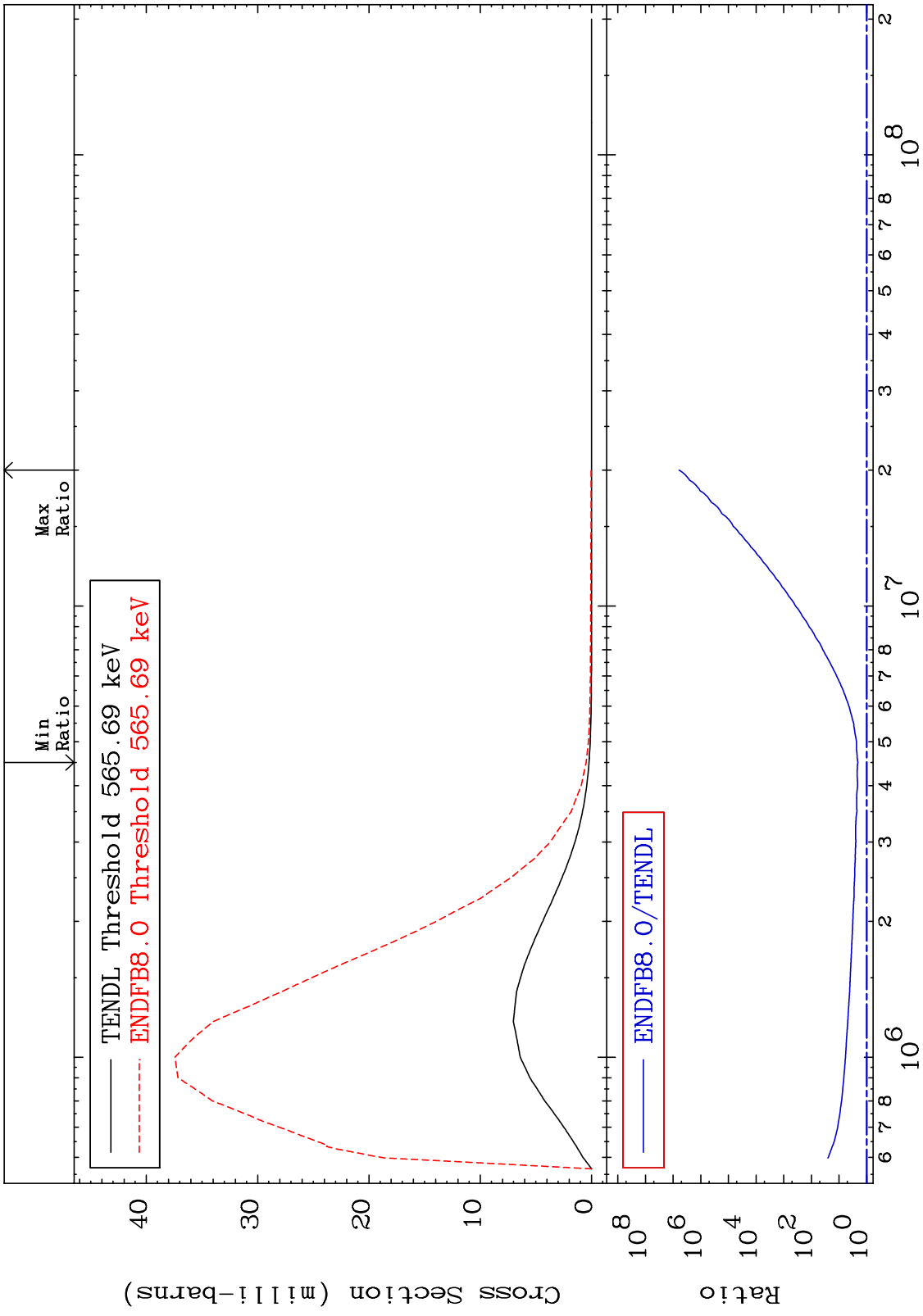


MAT 7640 MT= 70 (n,n') Level Cross Section 76-Os-189 -93.47 To 591.5 %

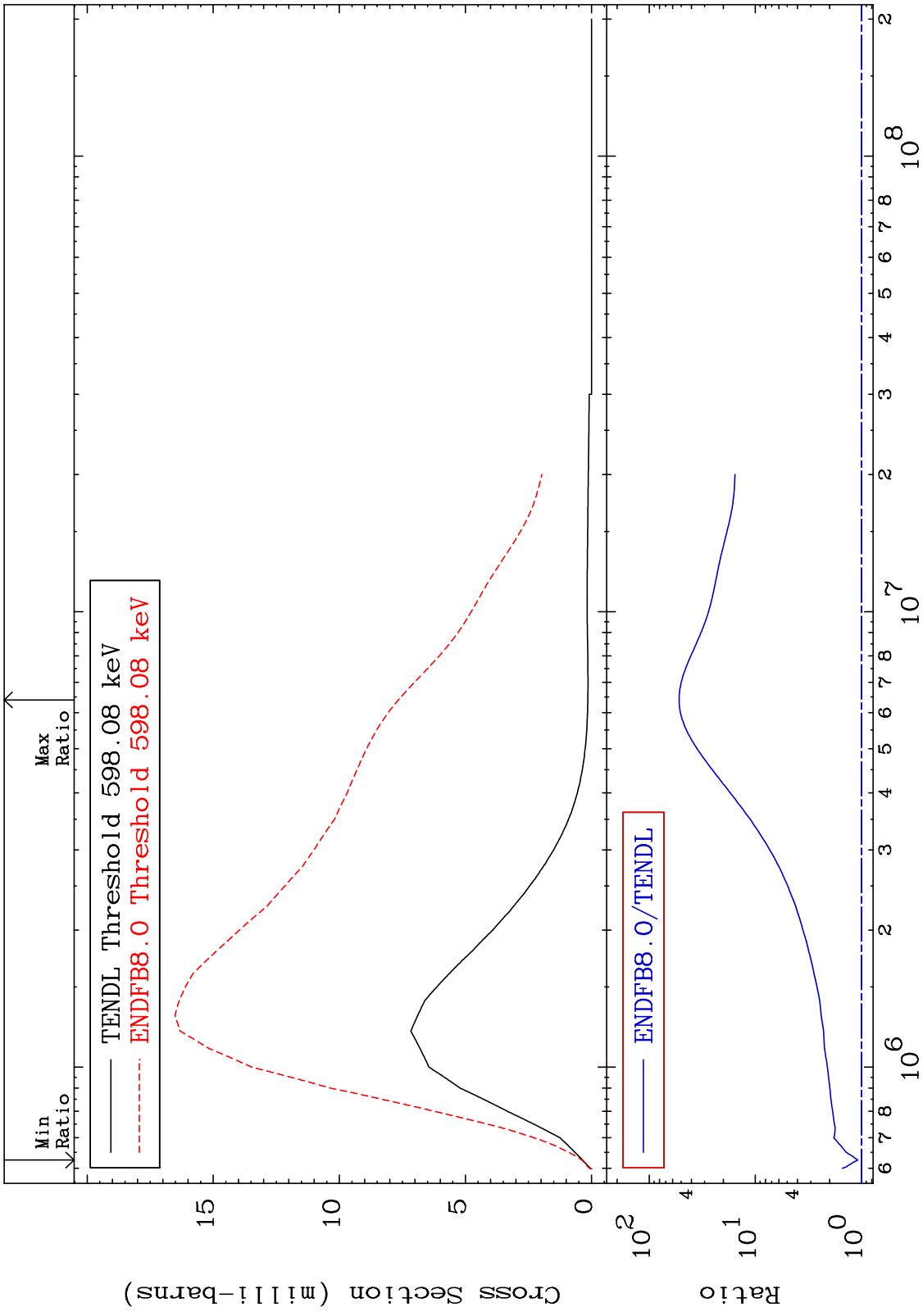




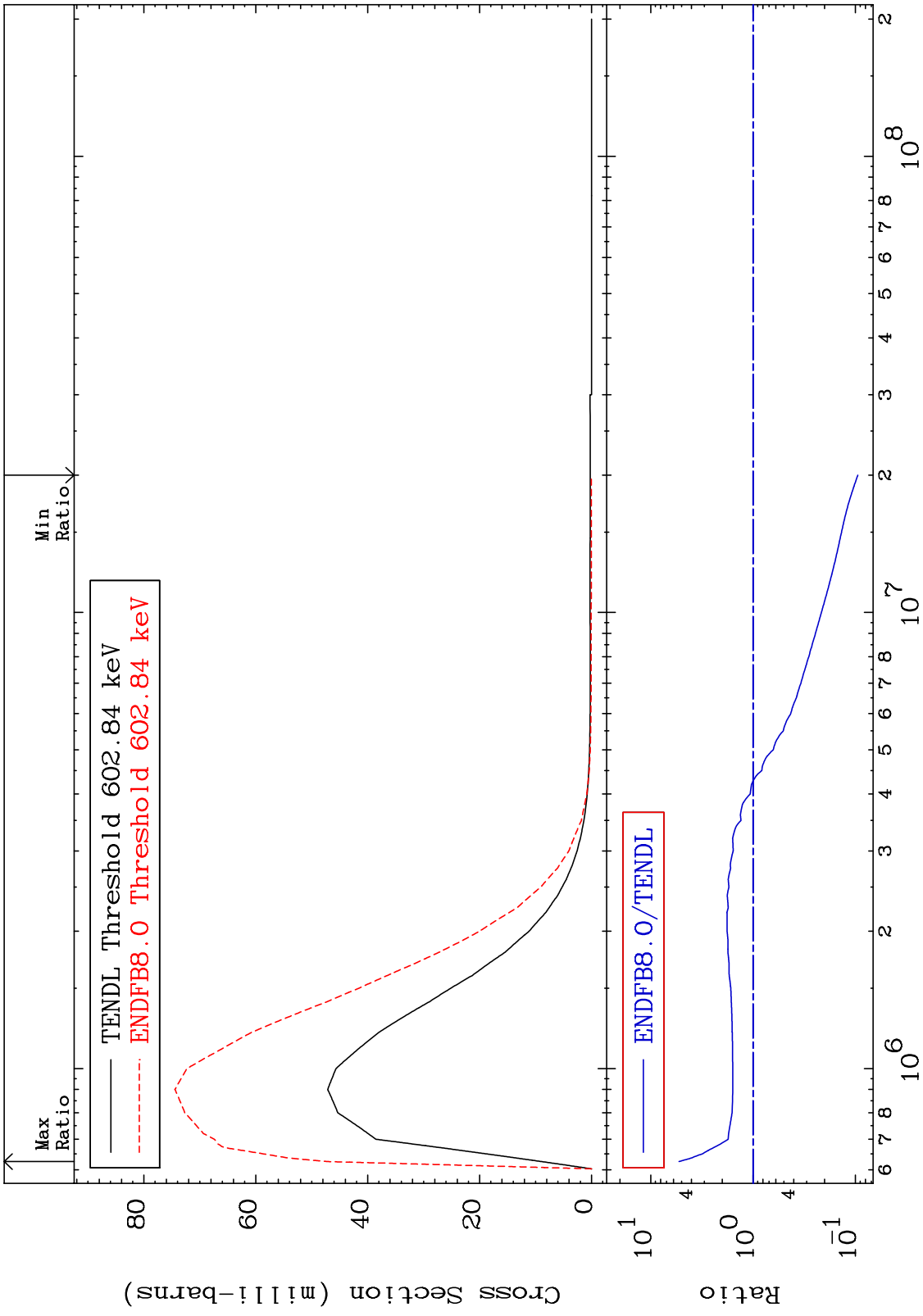
MAT 7640 MT= 71 (n,n') Level Cross Section 76-Os-189 108.9 To 9999. %



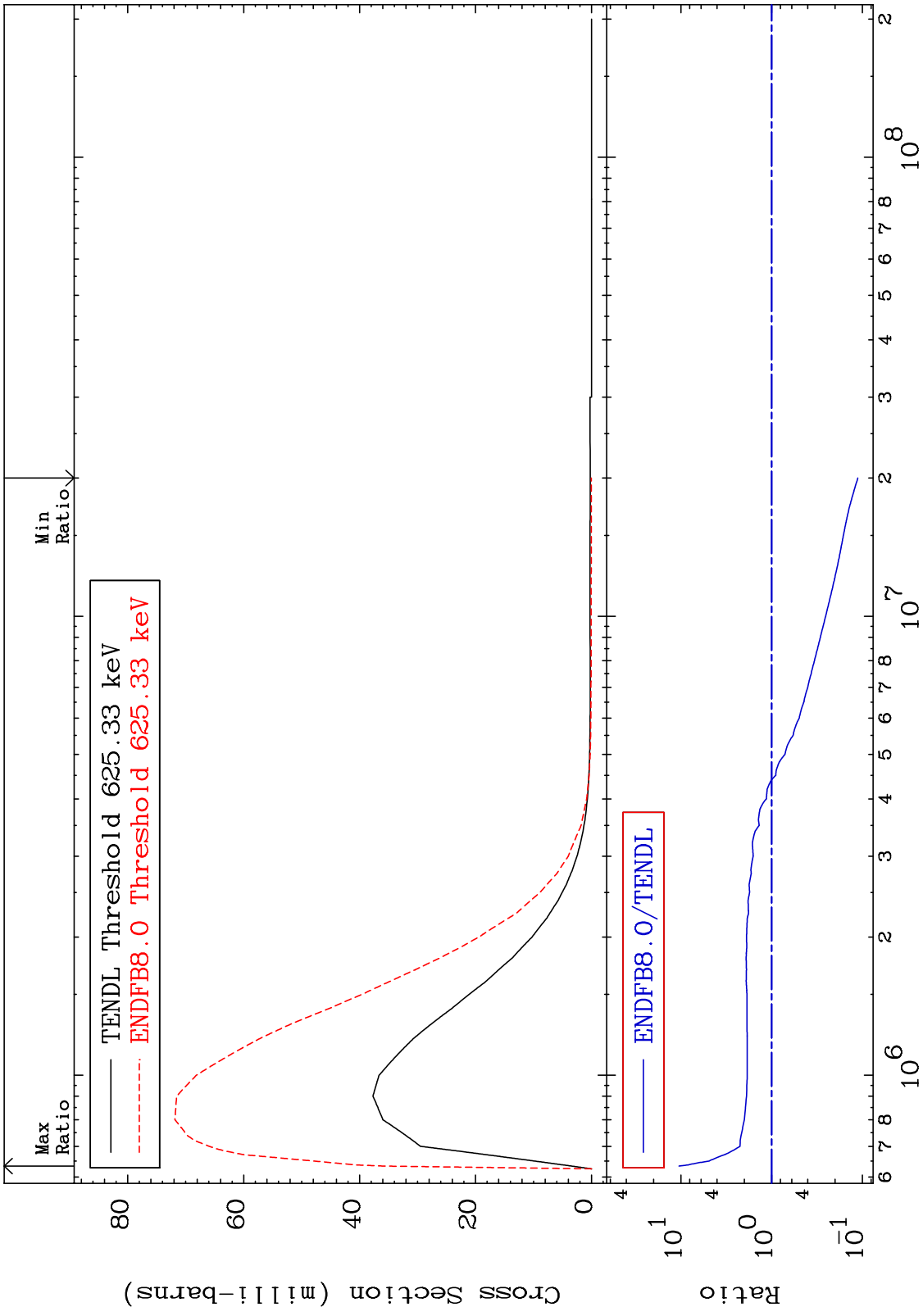
MAT 7640 MT= 72 (n,n') Level Cross Section 76-0s-189  
 8.207 To 5129. %



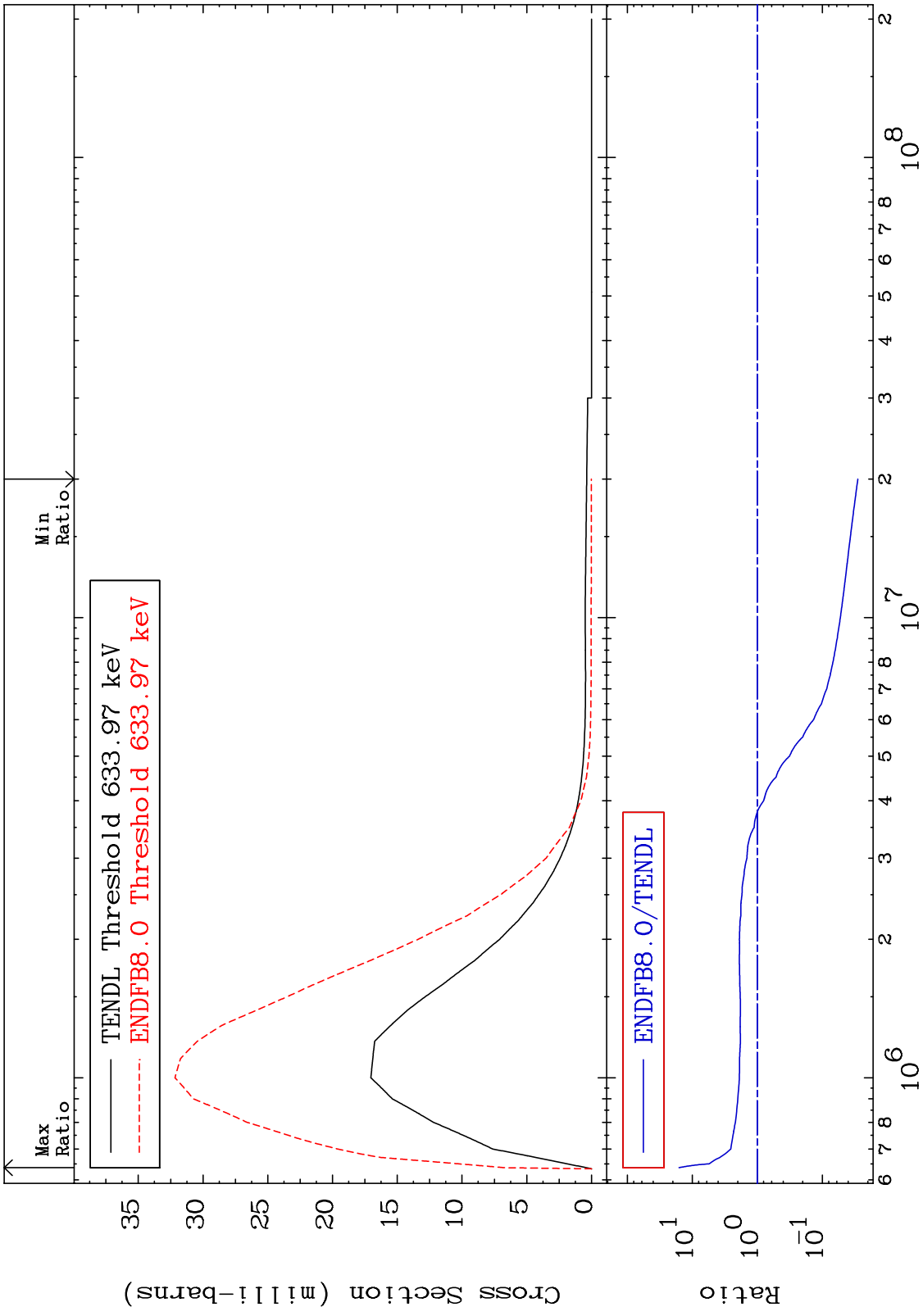
MAT 7640 MT= 73 (n,n') Level Cross Section 76-0s-189  
 -90.52 To 428.8 %



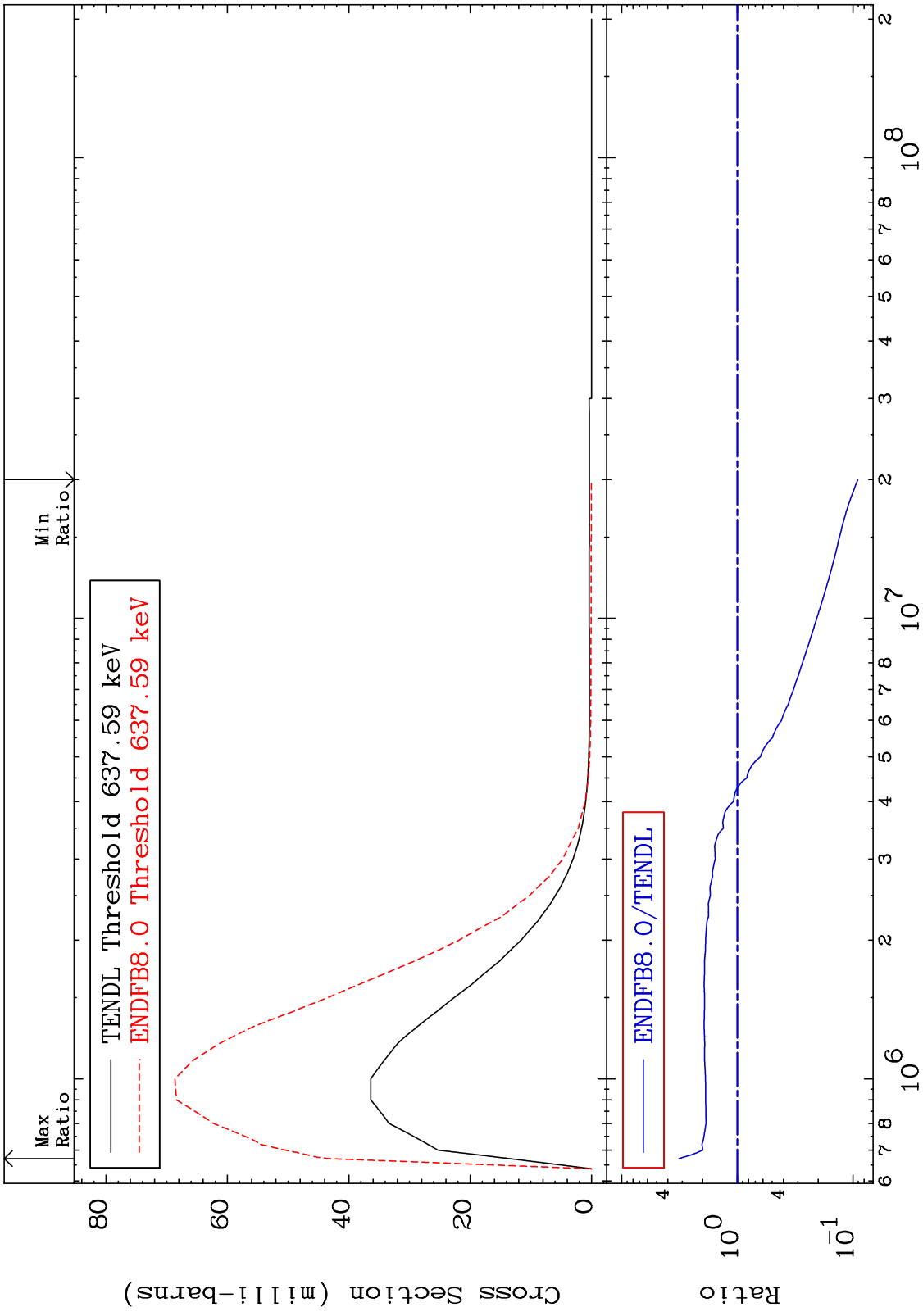
MAT 7640 MT= 74 (n,n') Level Cross Section 76-Os-189 -88.77 To 950.1 %



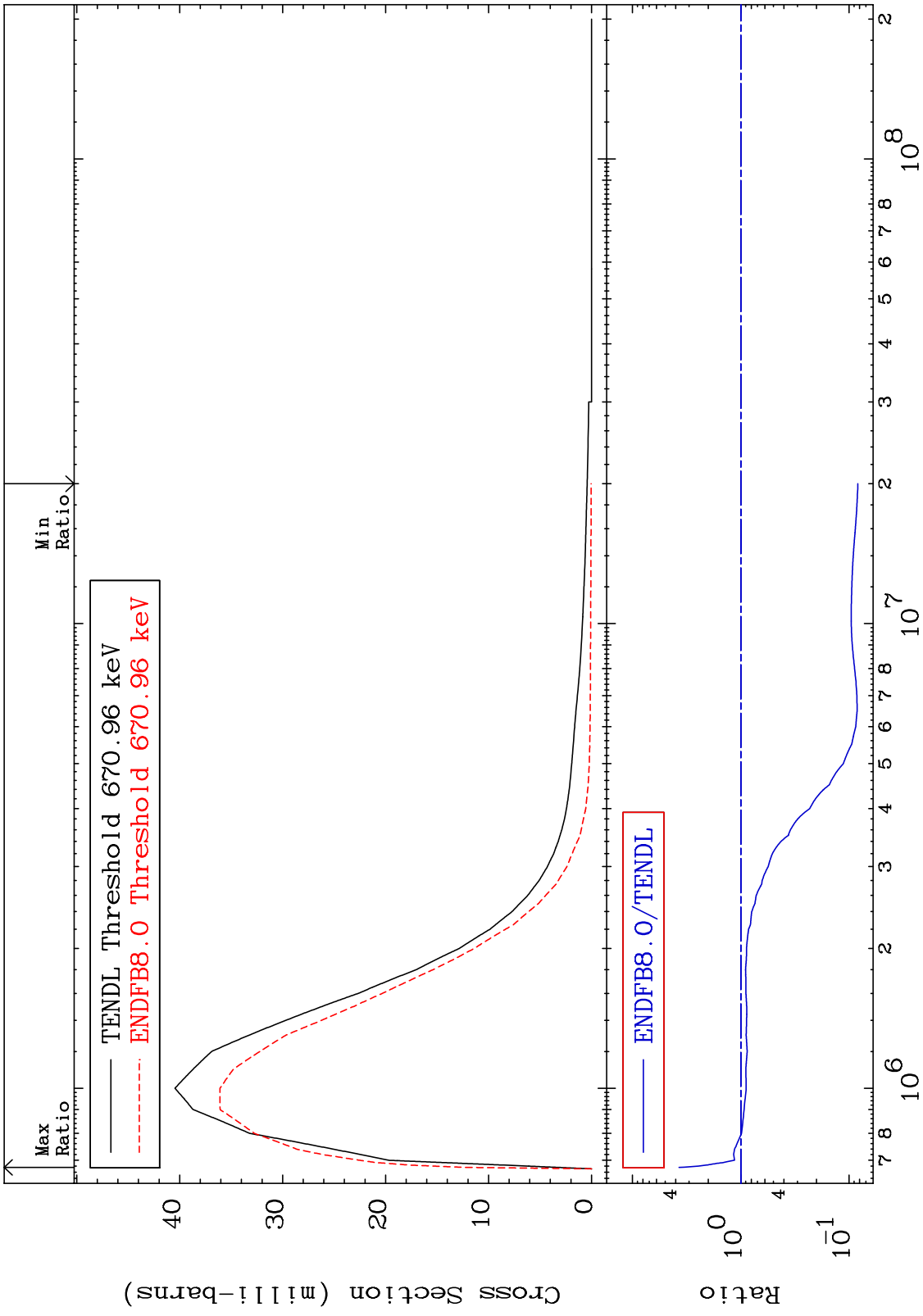
MAT 7640 MT= 75 (n,n') Level Cross Section 76-0s-189  
 -97.16 To 1501. %



MAT 7640 MT= 76 (n,n') Level Cross Section 76-0s-189  
 -90.93 To 219.7 %

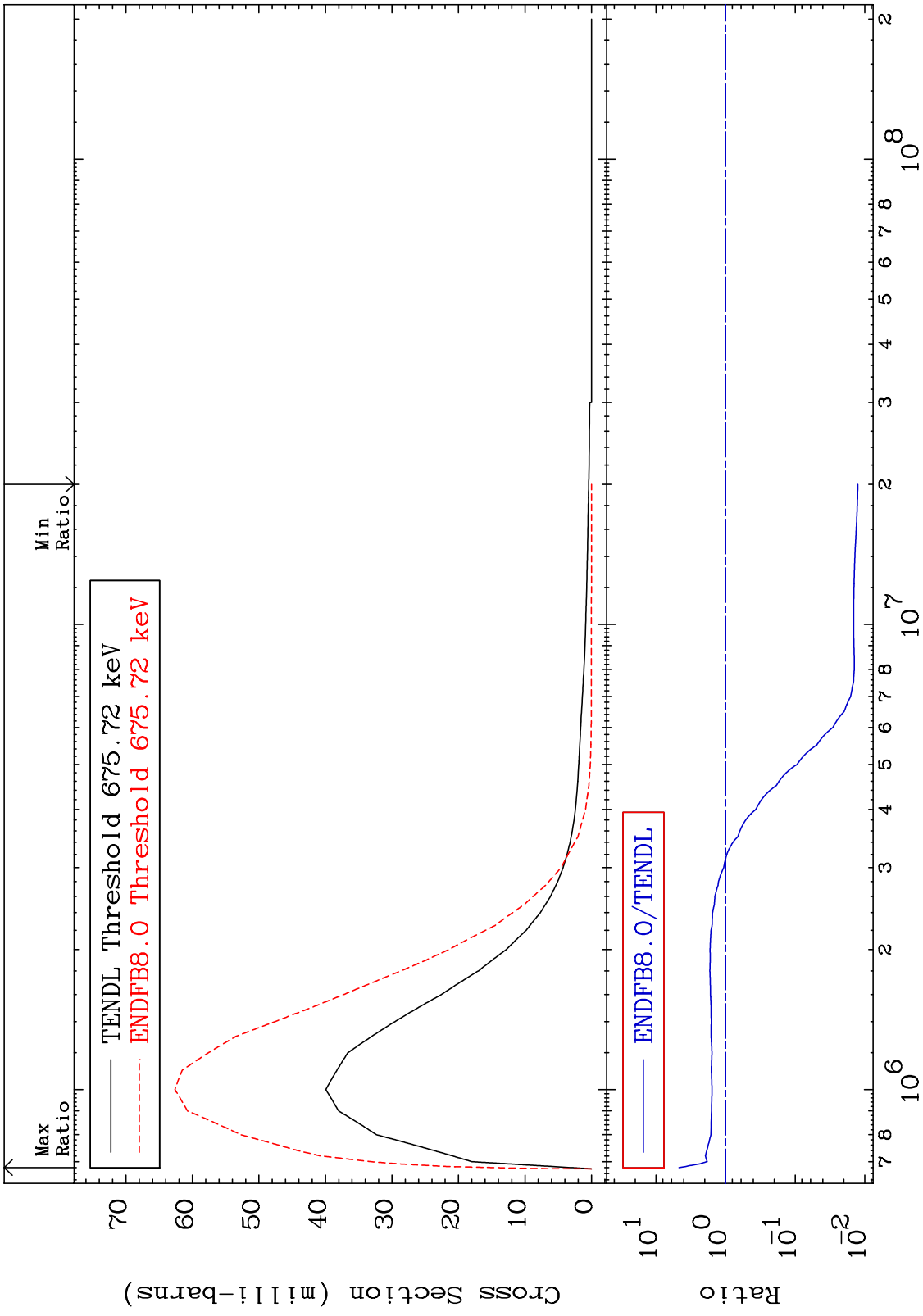


MAT 7640 MT= 77 (n,n') Level Cross Section 76-0s-189 -91.70 To 271.8 %



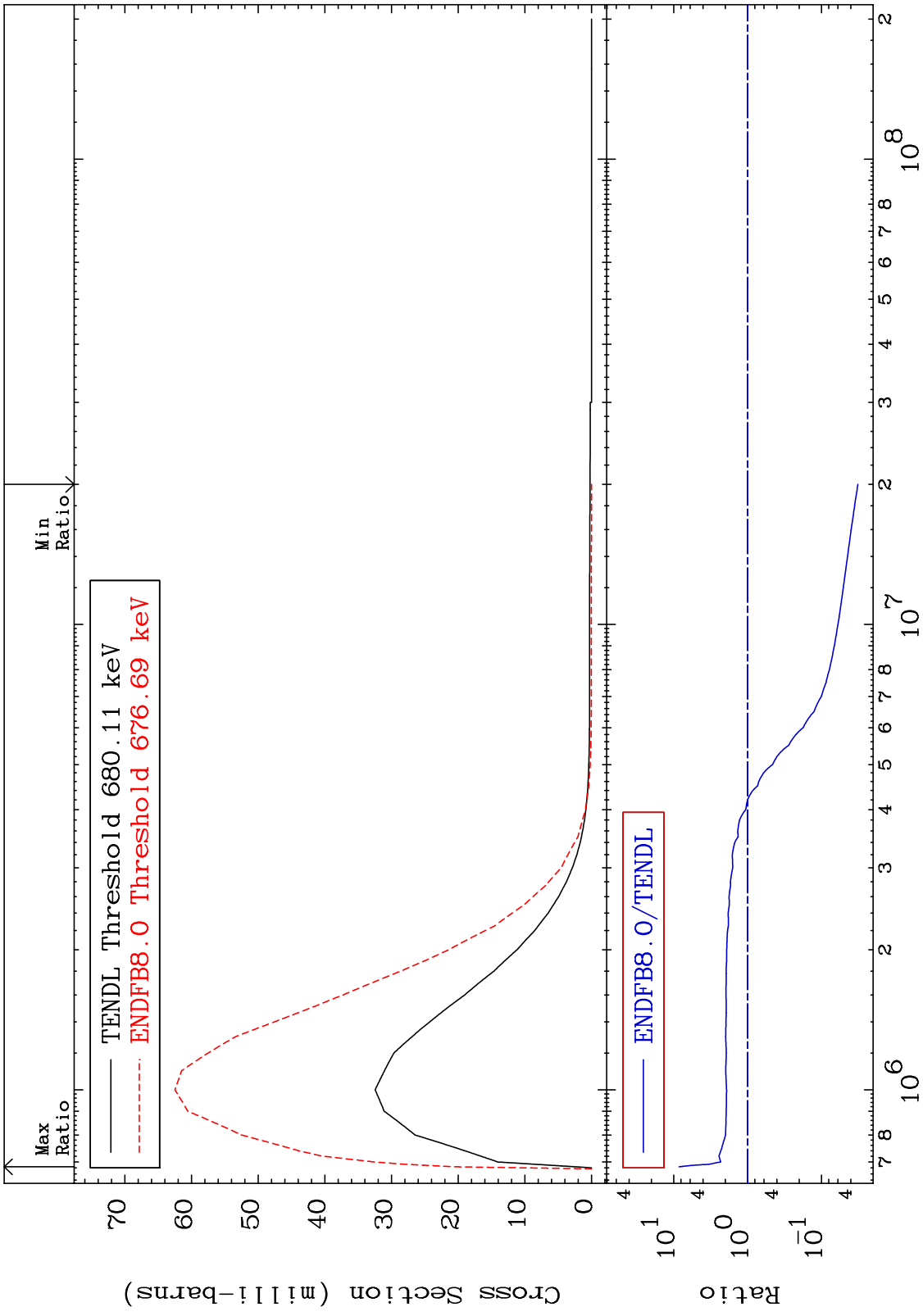
38 76-0s-189

MAT 7640 MT= 78 (n,n') Level Cross Section 76-0s-189  
 -98.74 To 367.7 %



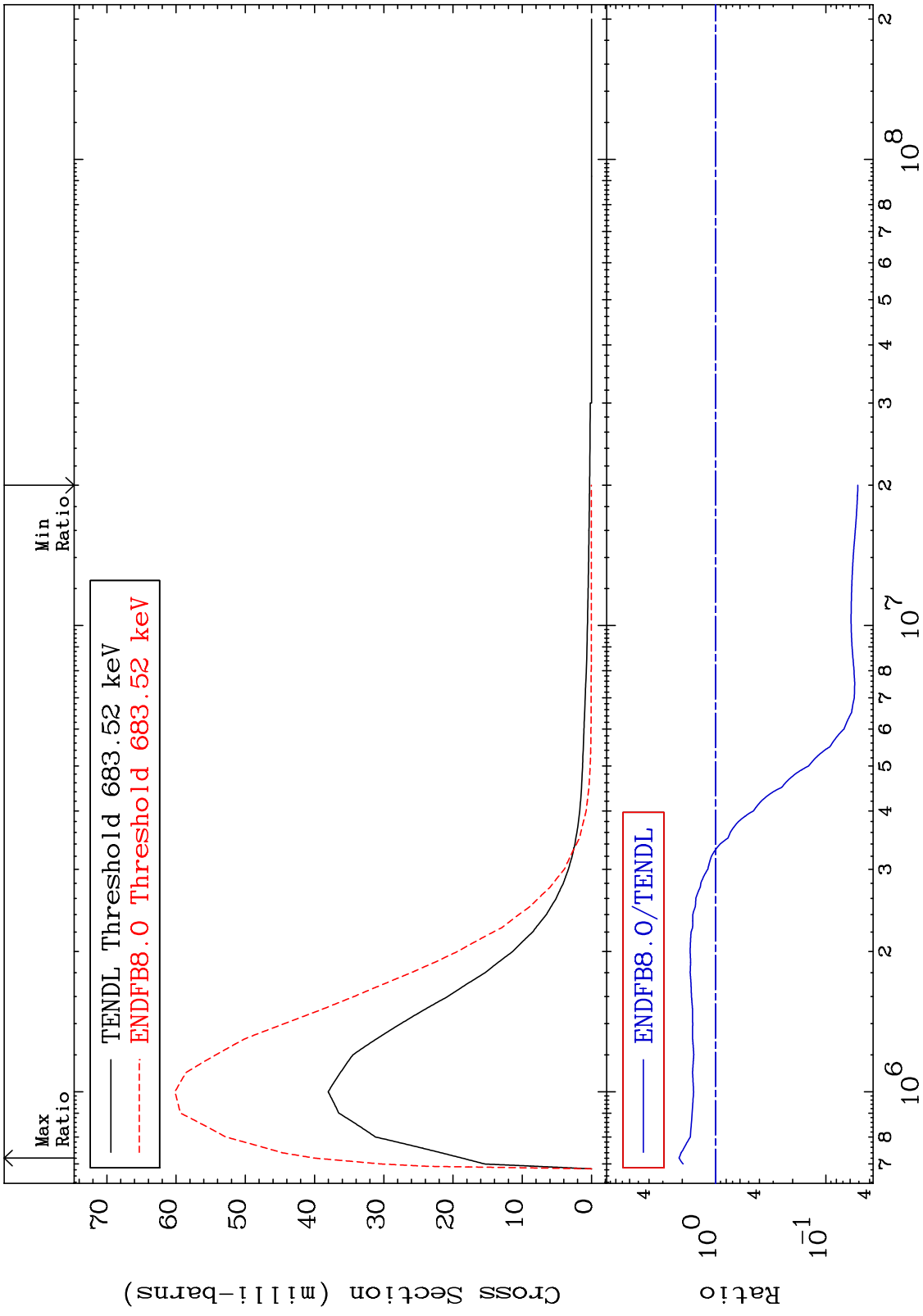


MAT 7640 MT= 79 (n,n') Level Cross Section 76-0s-189  
 -96.78 To 746.9 %



40 76-0s-189

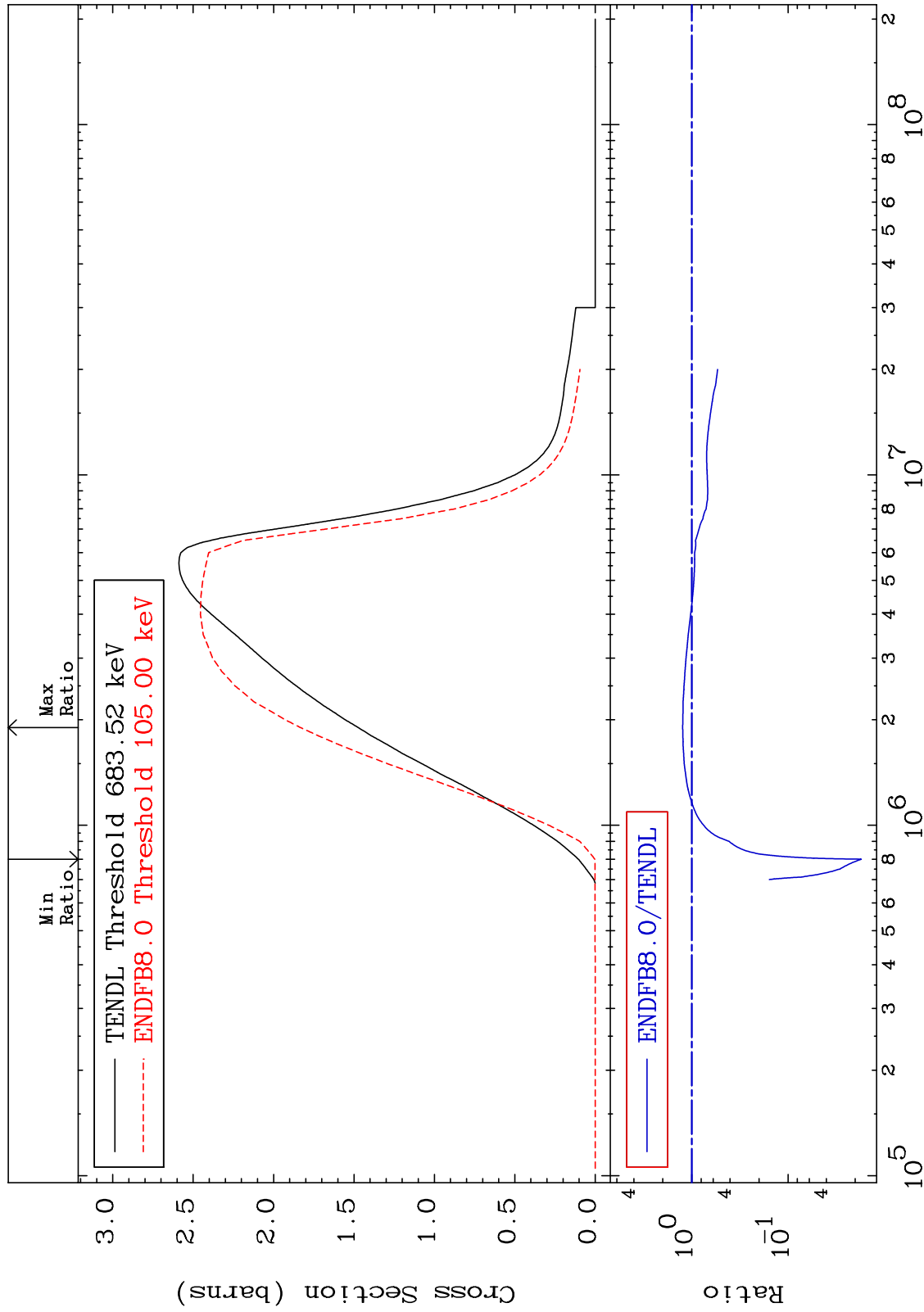
MAT 7640 MT= 80 (n,n') Level Cross Section 76-Os-189  
 -94.88 To 114.1 %



MAT 7640

(n, n') Continuum  
Cross Section

76-0s-189  
-98.27 To 24.36 %

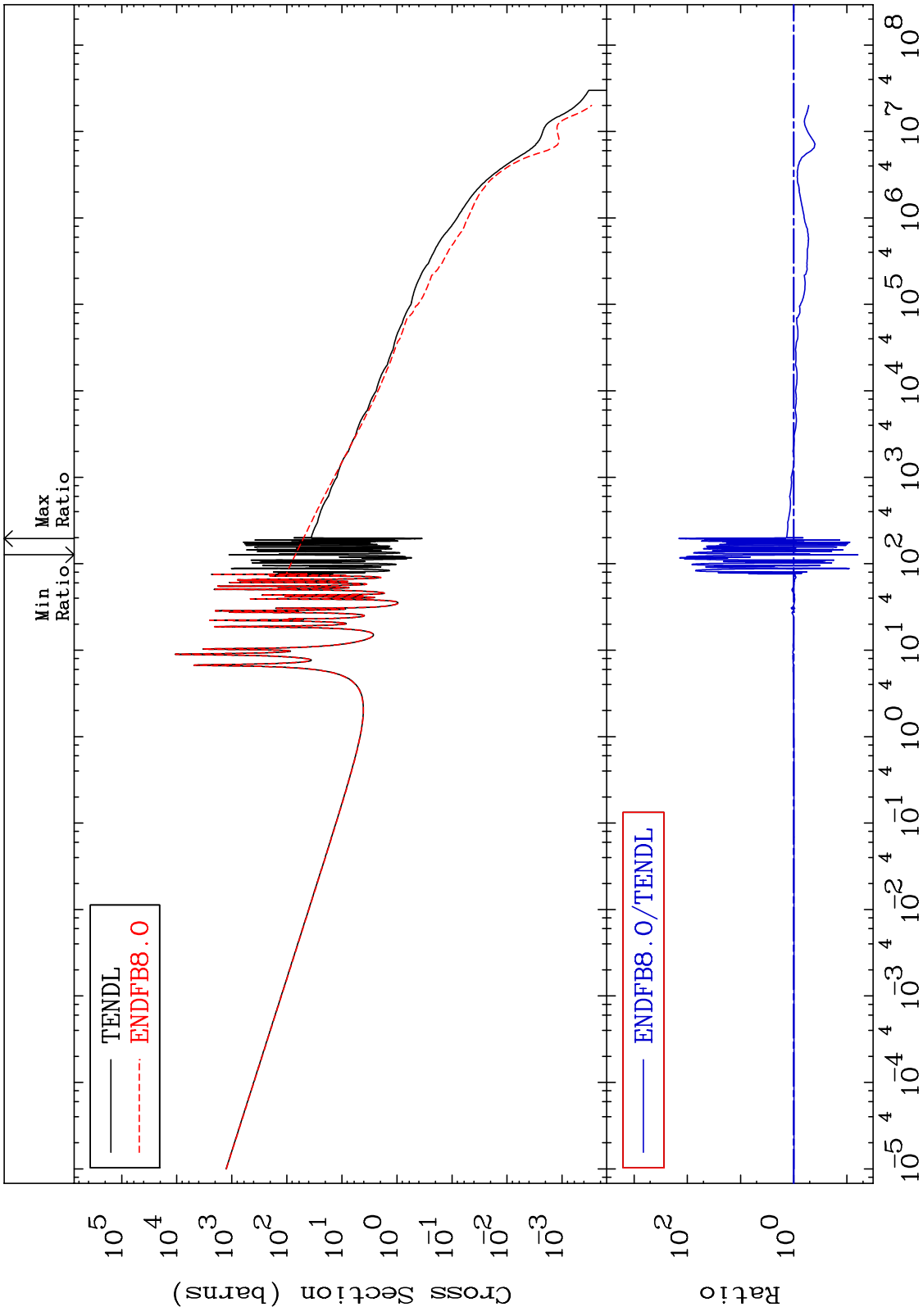


42

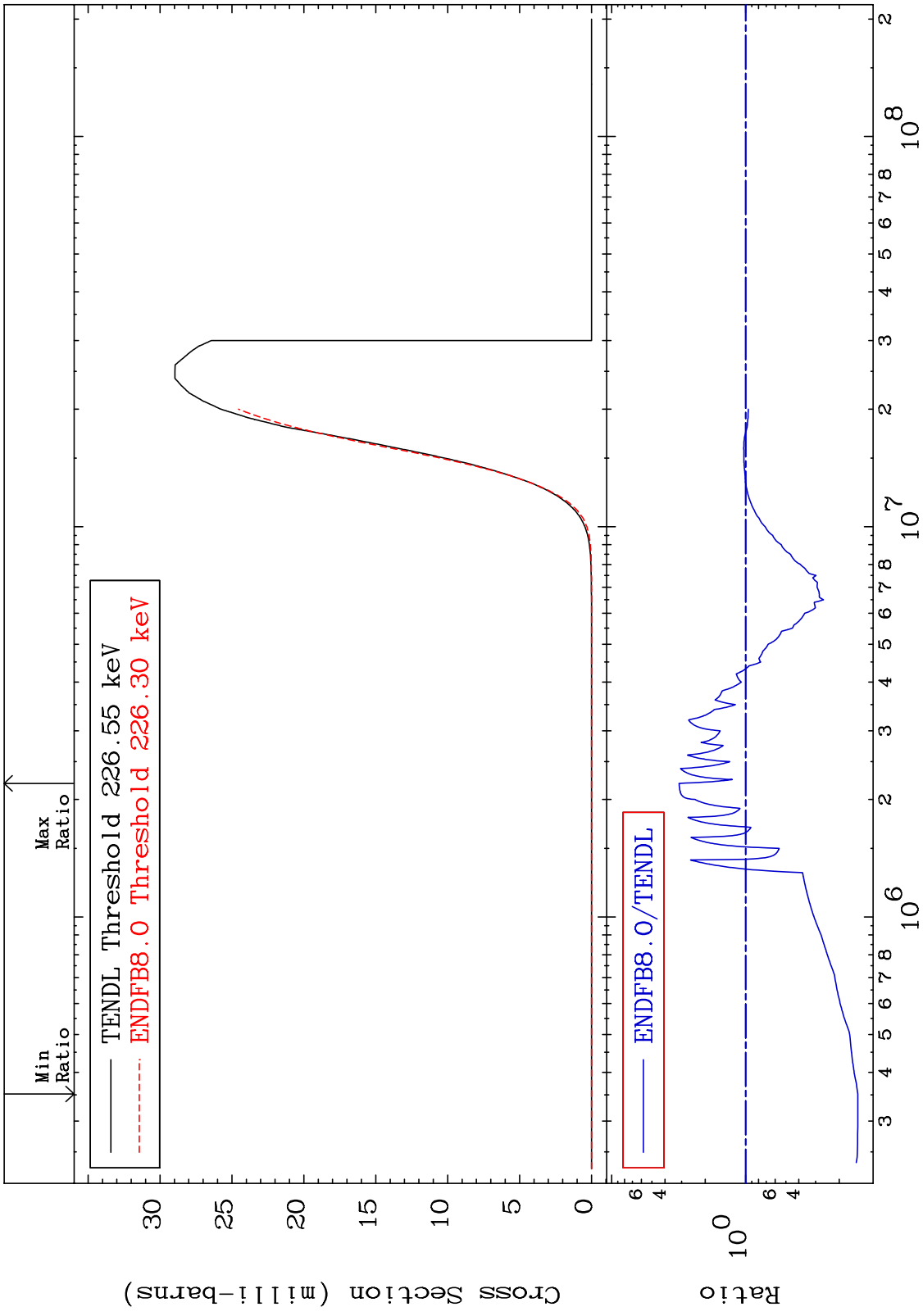
Incident Energy (eV)

76-0s-189

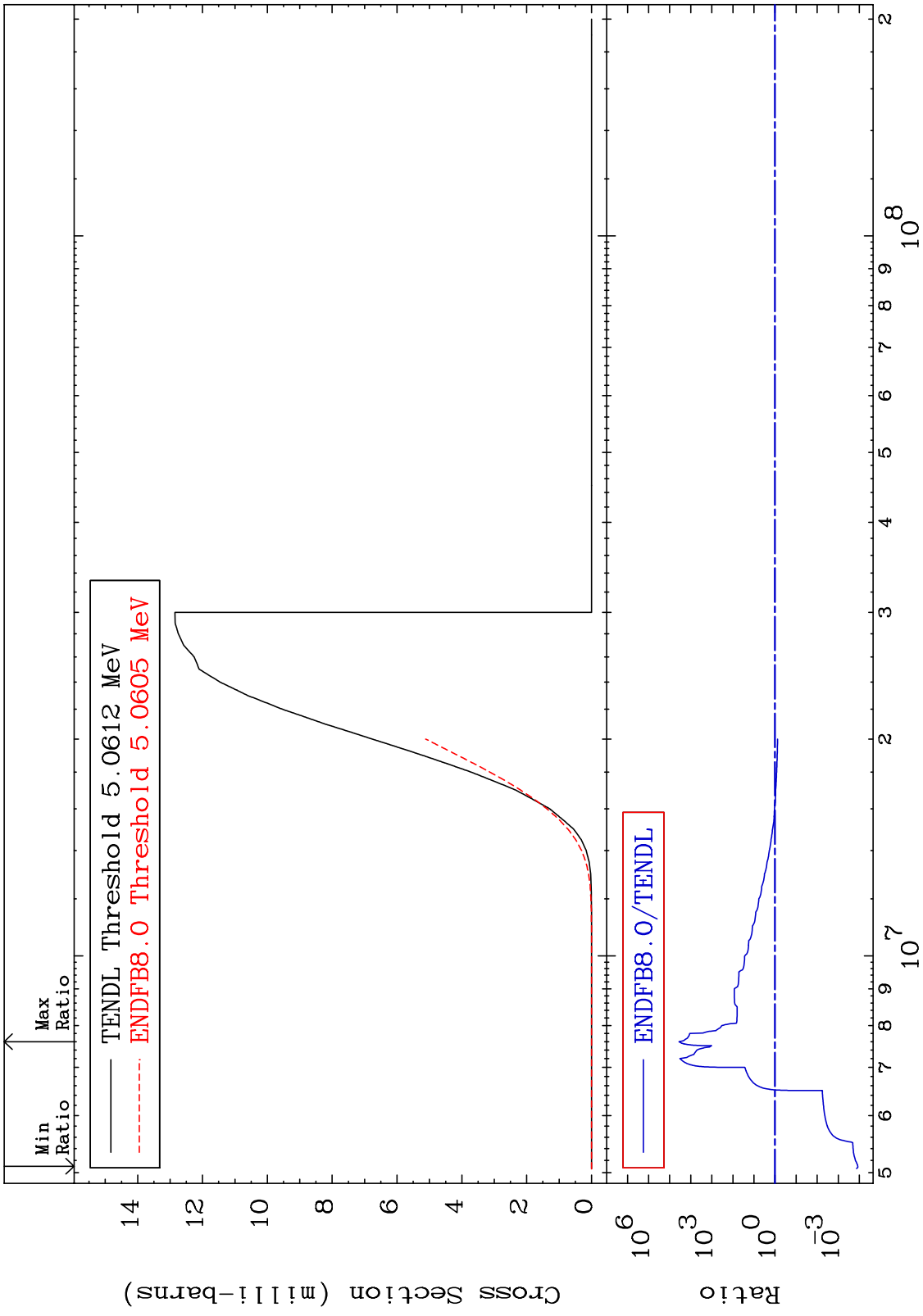
MAT 7640 (n,γ) Cross Section 76-0s-189 -93.76 To 9999. %



MAT 7640 (n,p) Cross Section 76-Os-189  
 -85.50 To 213.9 %

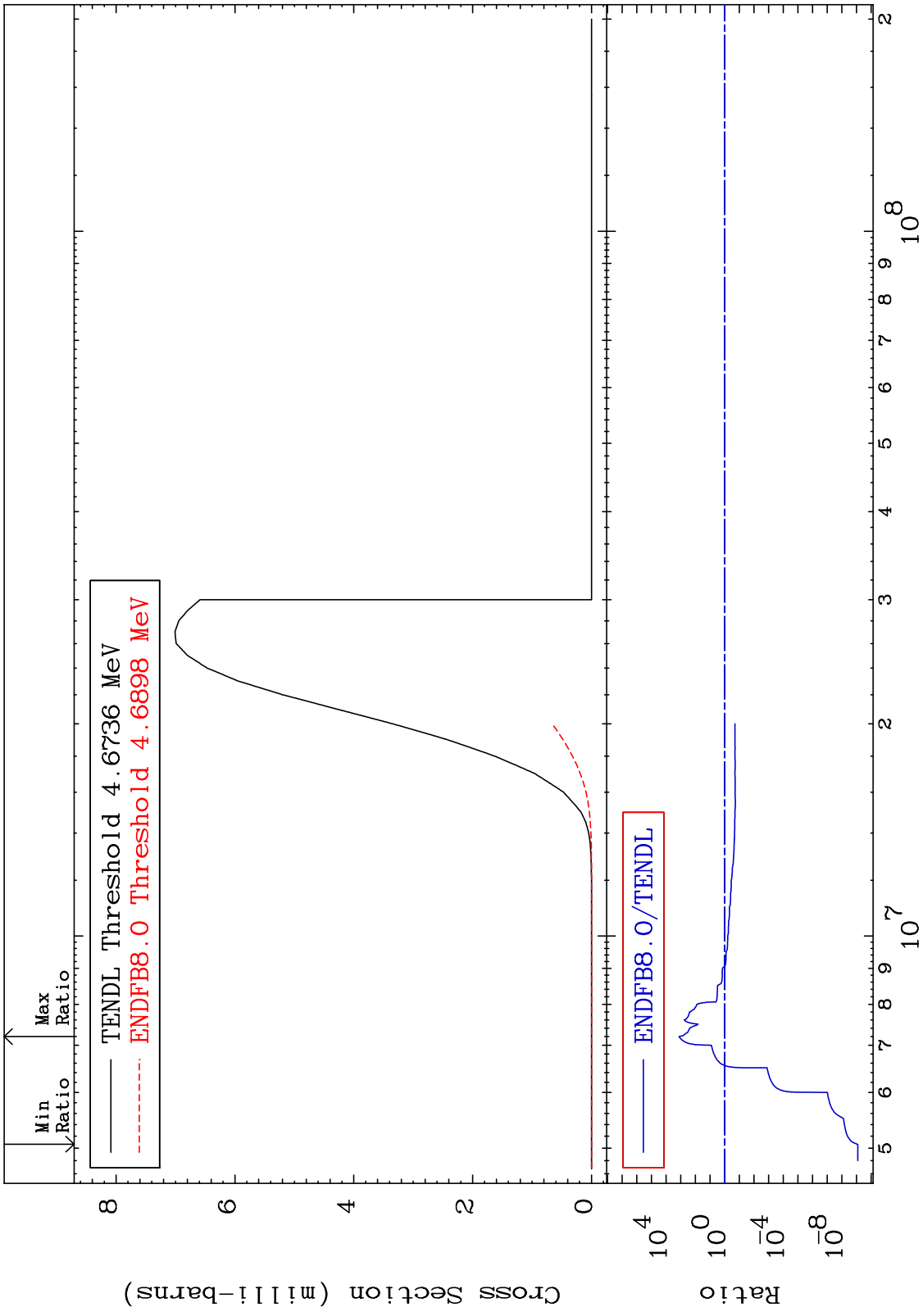


MAT 7640 (n,d) 76-Os-189  
 Cross Section -99.99 To 9999. %

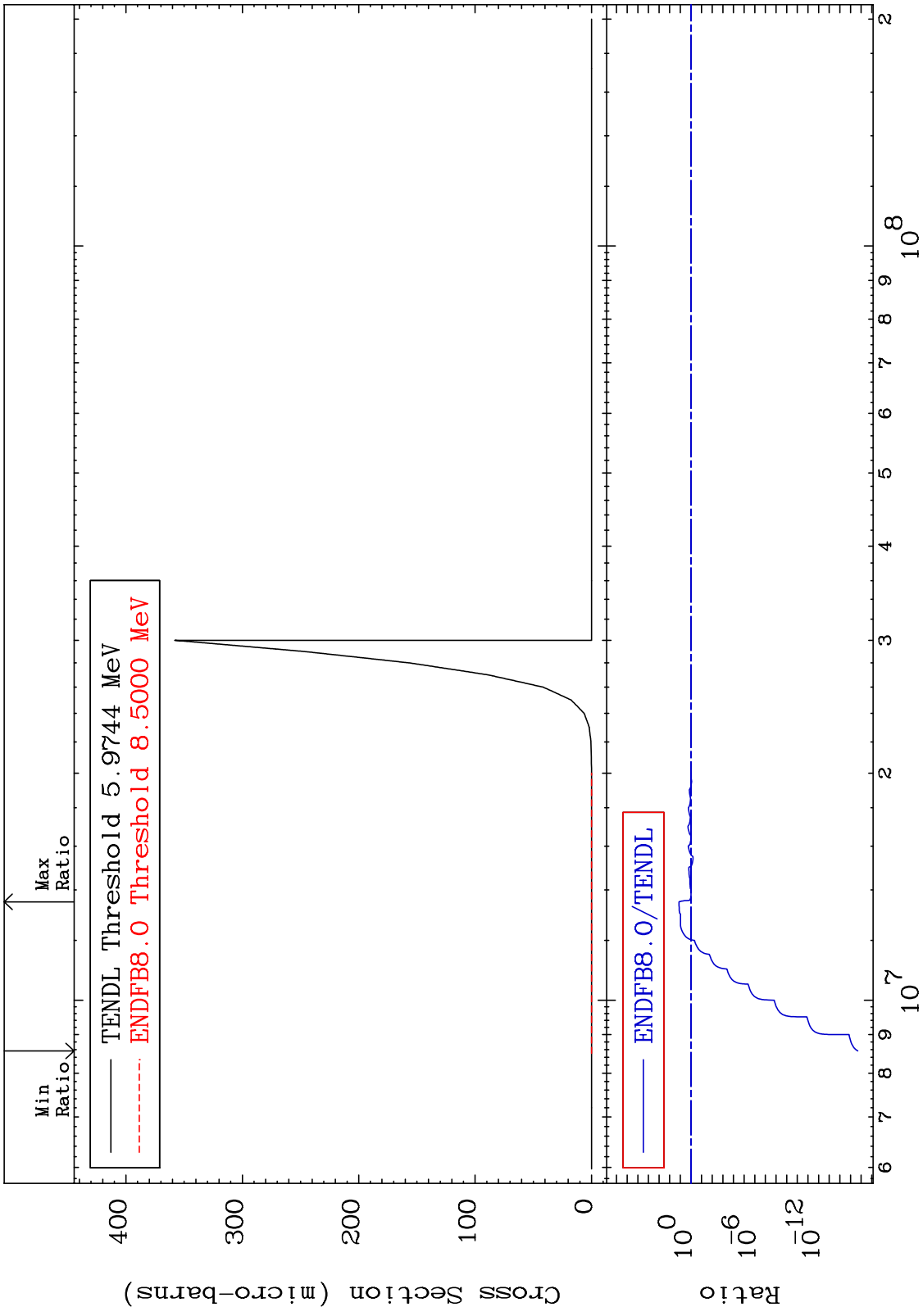


45 76-Os-189

MAT 7640 (n,t) 76-Os-189  
 Cross Section -100.0 To 9999. %

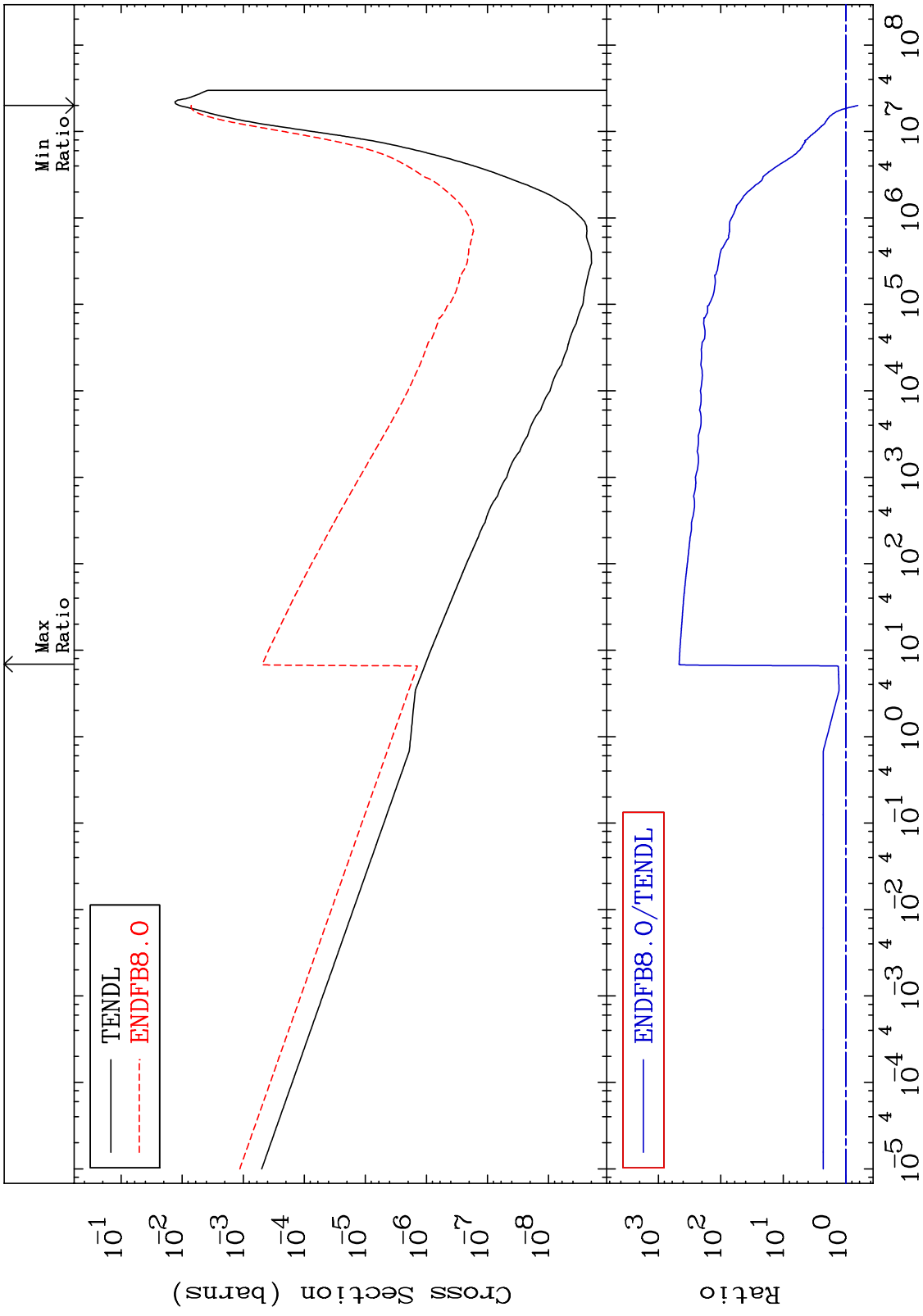


MAT 7640 (n, He-3) 76-Os-189  
Cross Section -100.0 To 1218. %

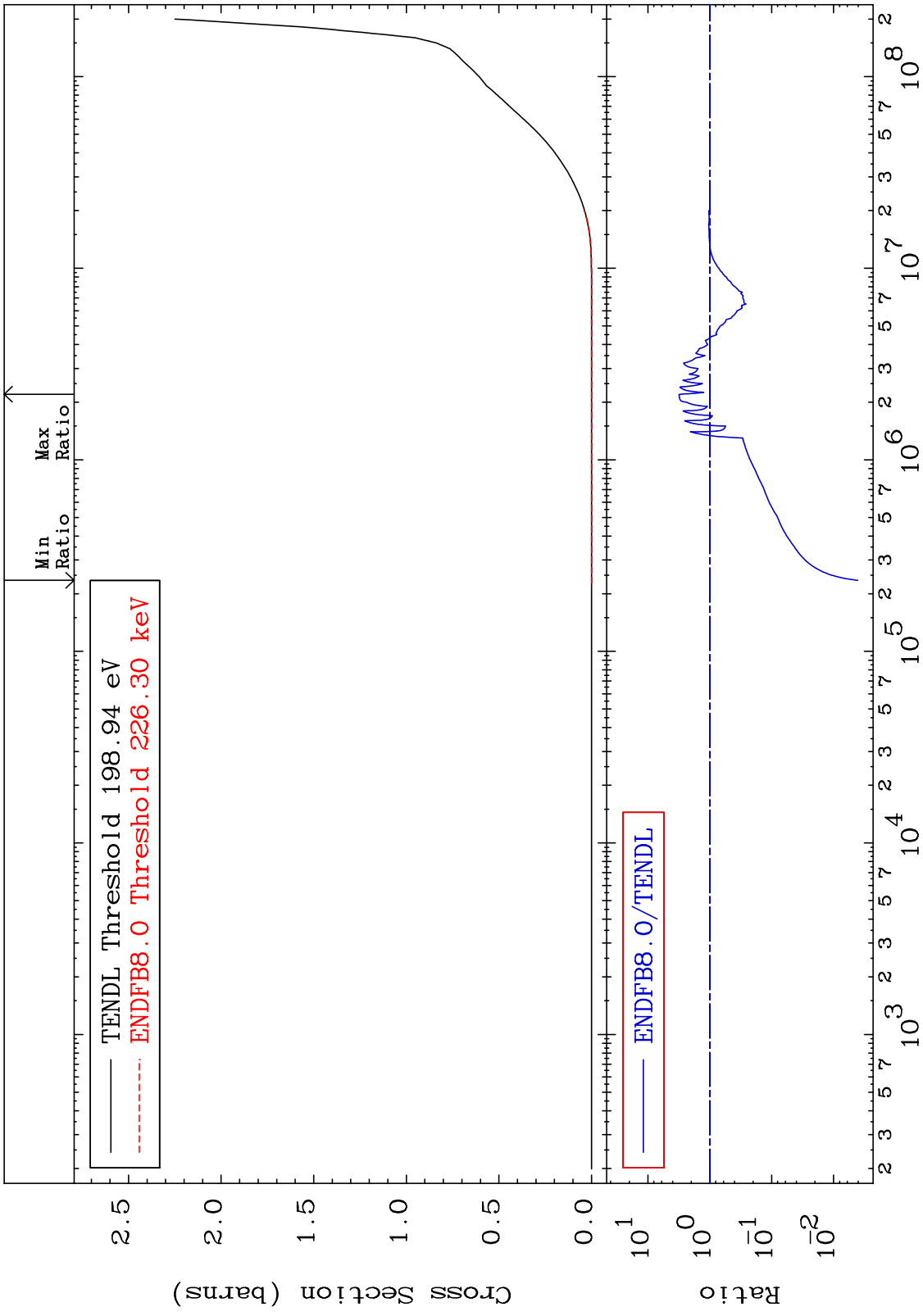




MAT 7640 (n,α) Cross Section 76-0s-189 -36.00 To 9999. %



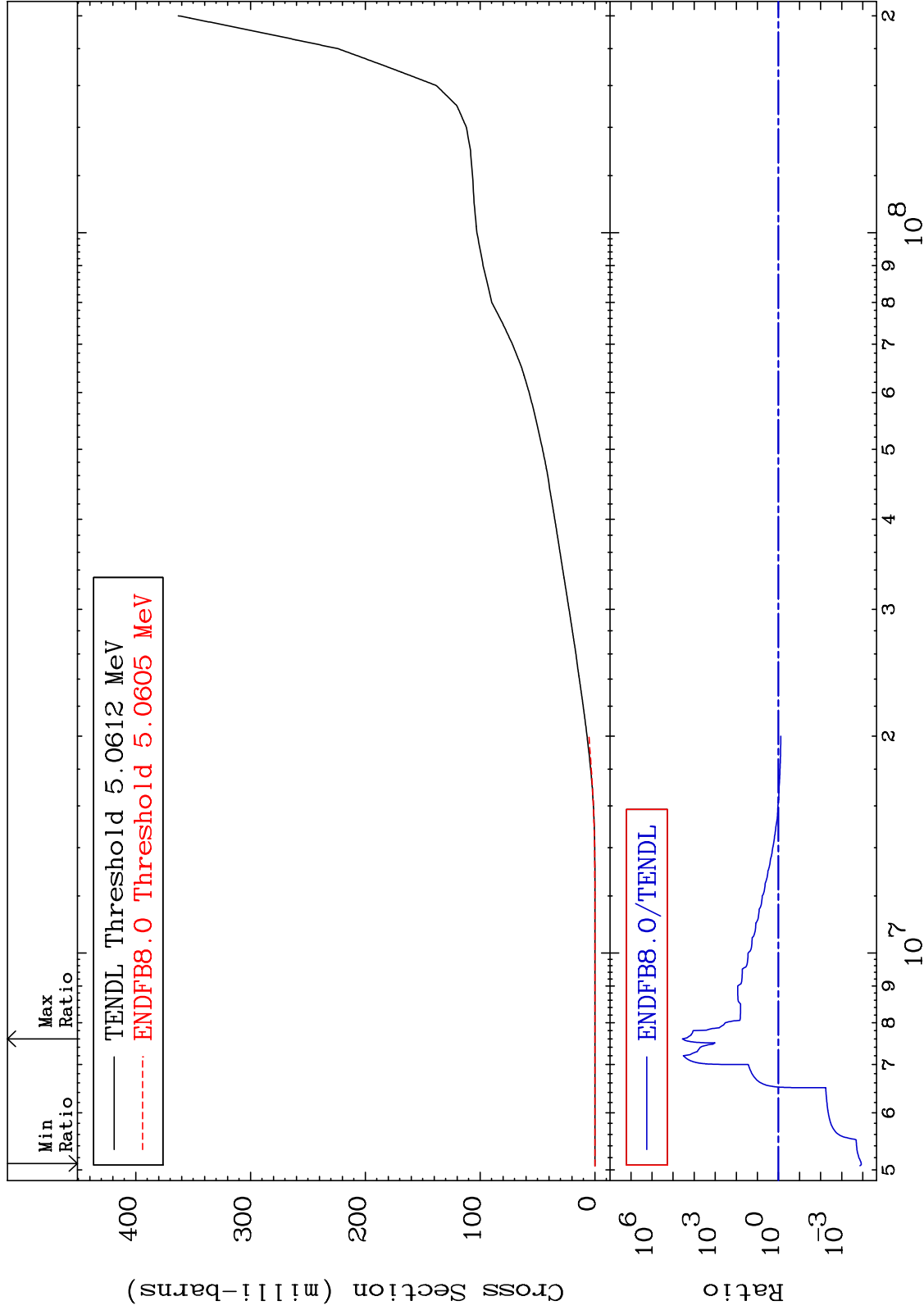
MAT 7640 Hydrogen Production Cross Section 76-0s-189  
 -99.59 To 213.9 %

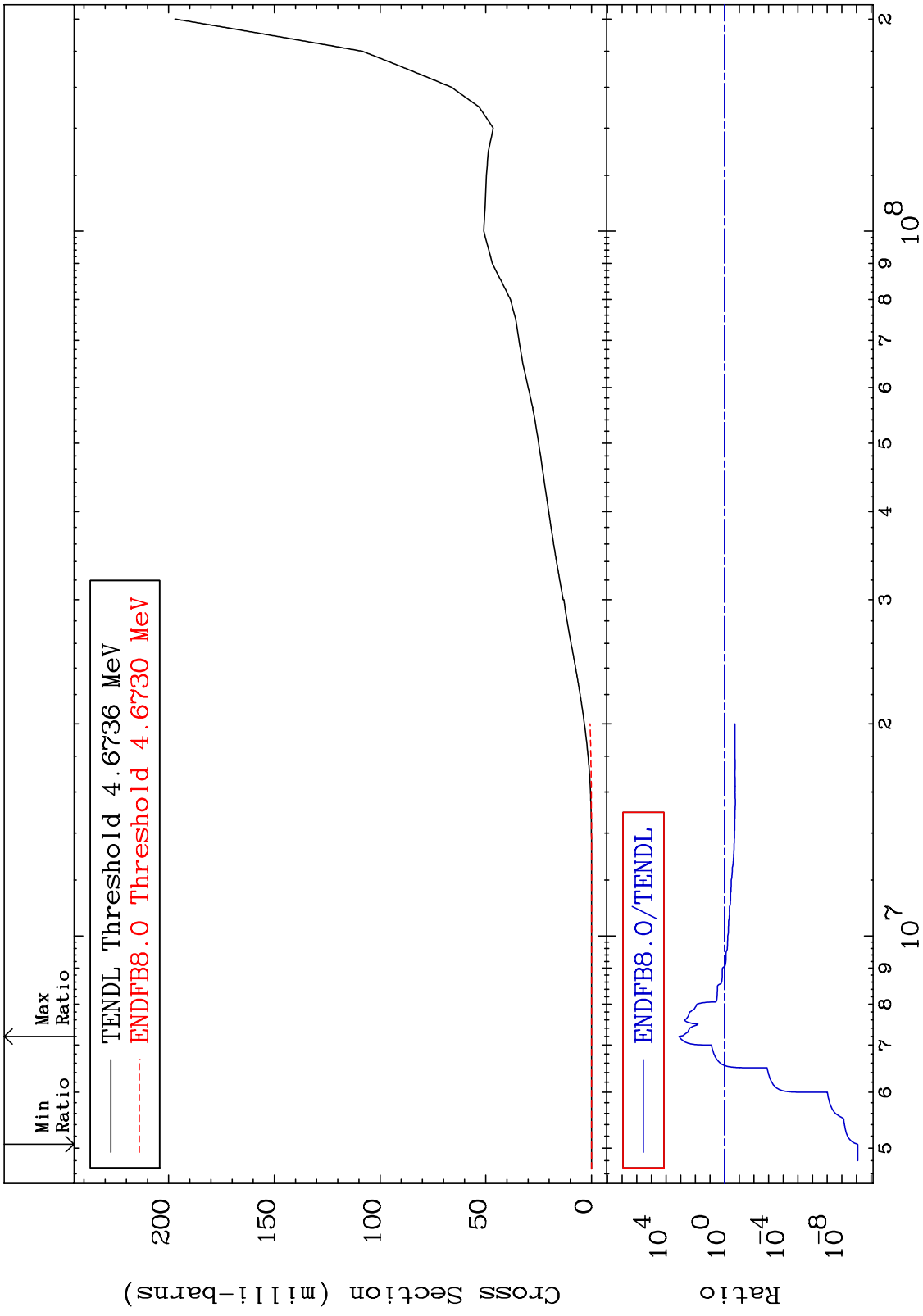


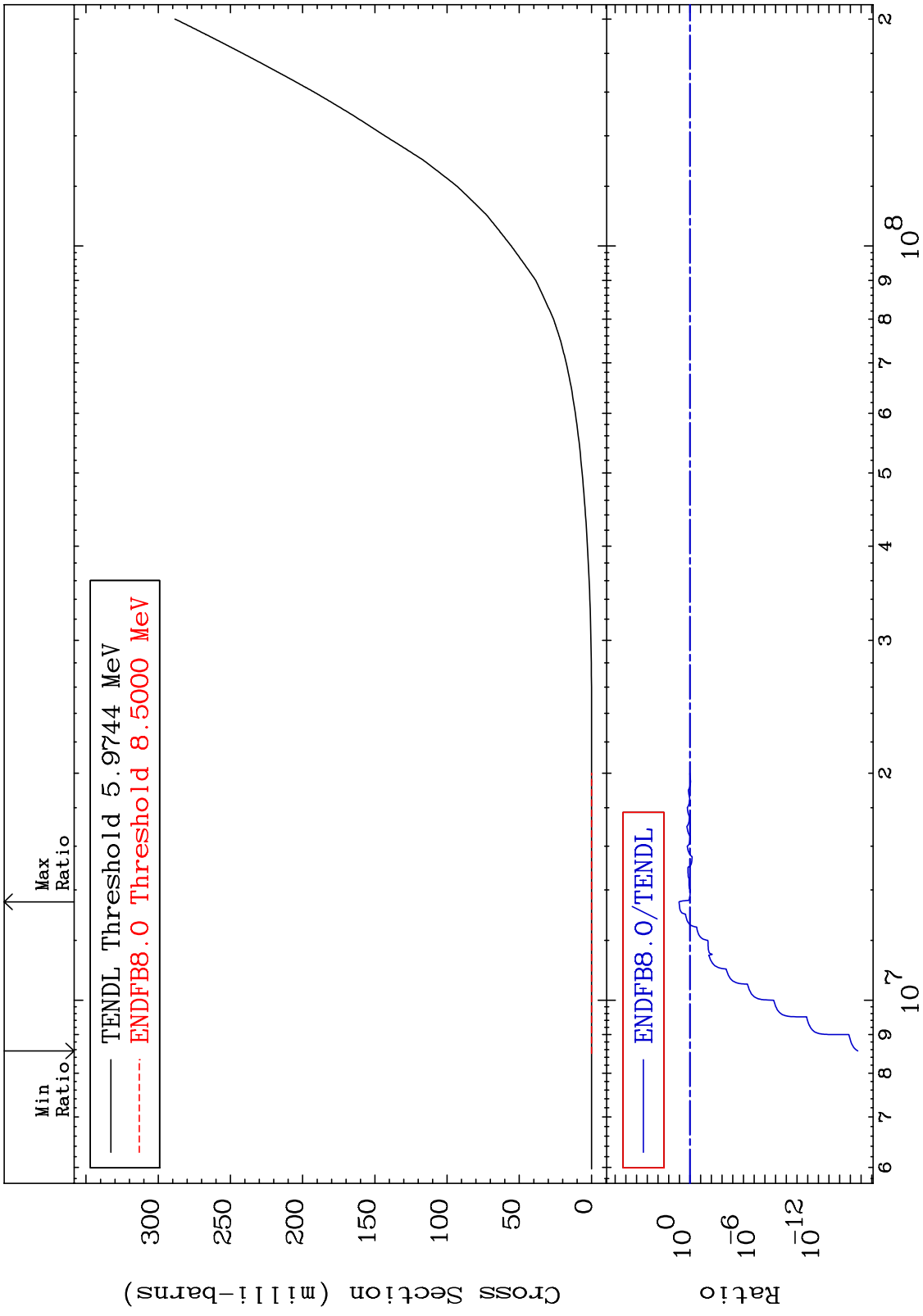
MAT 7640

### Deuterium Production Cross Section

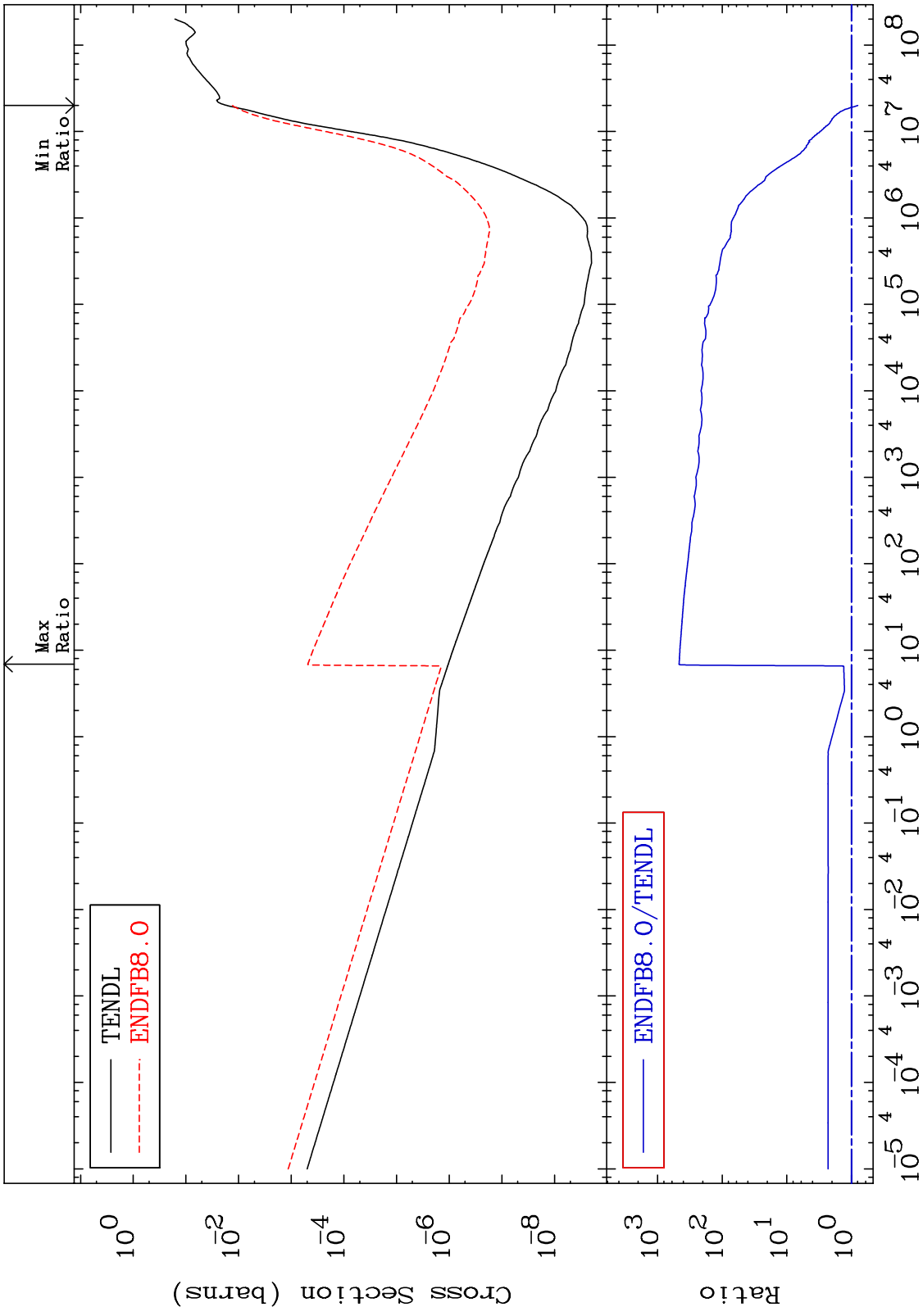
76-0s-189  
-99.99 To 9999. %



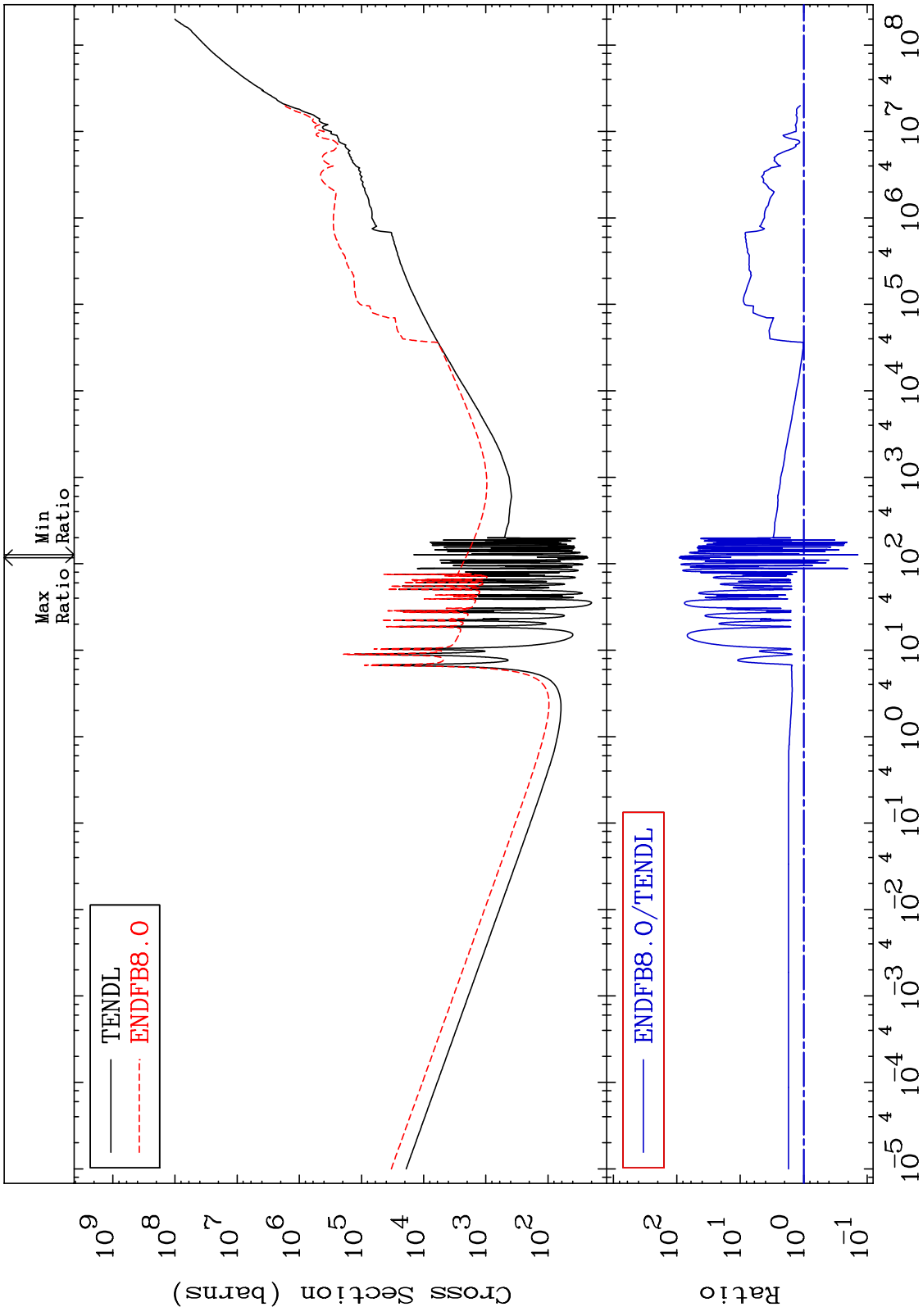




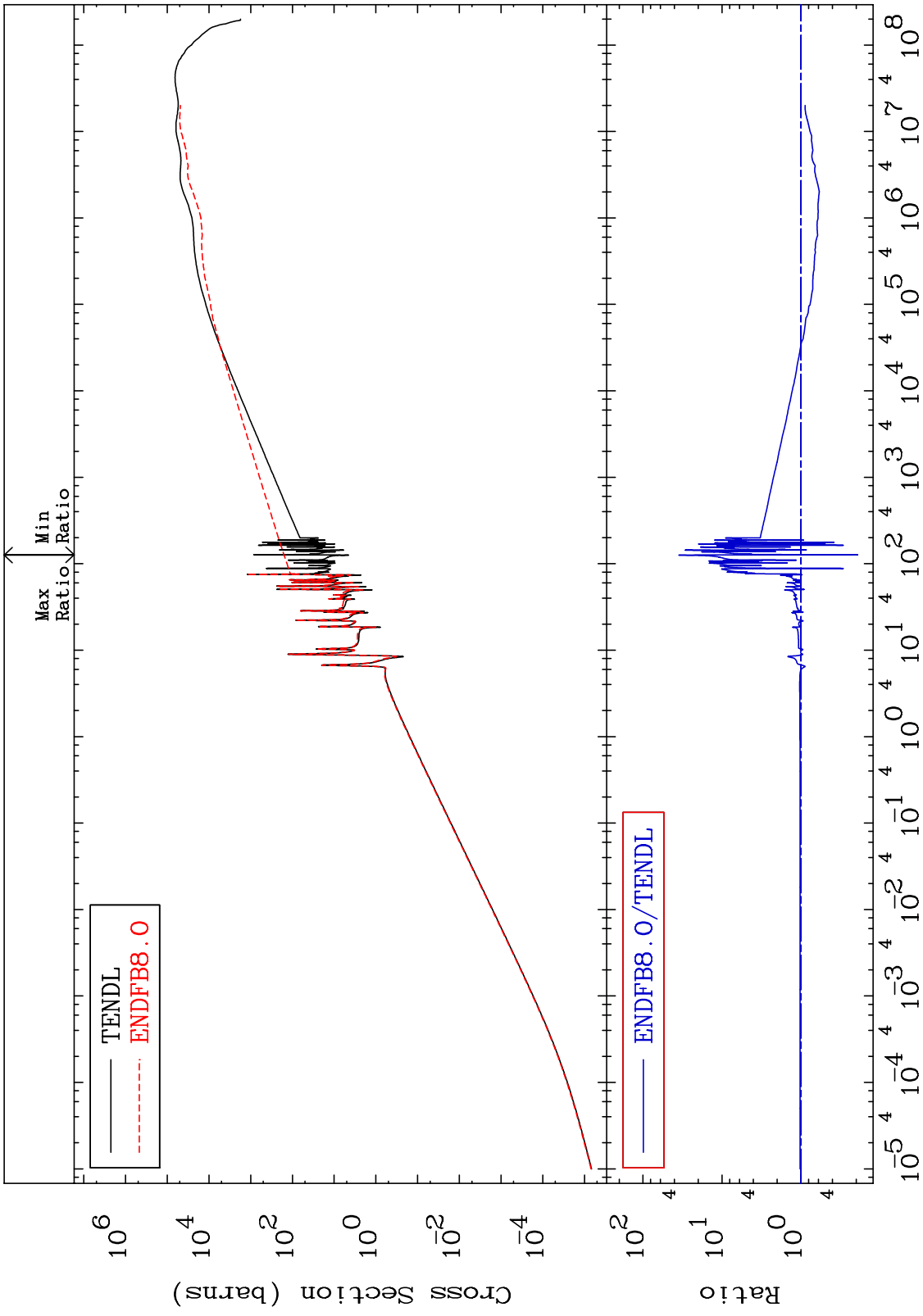
MAT 7640 He-4 Production Cross Section 76-0s-189  
 -20.59 To 9999. %



MAT 7640 Kerma total (eV-barns) 76-0s-189  
 Cross Section -85.96 To 9128. %

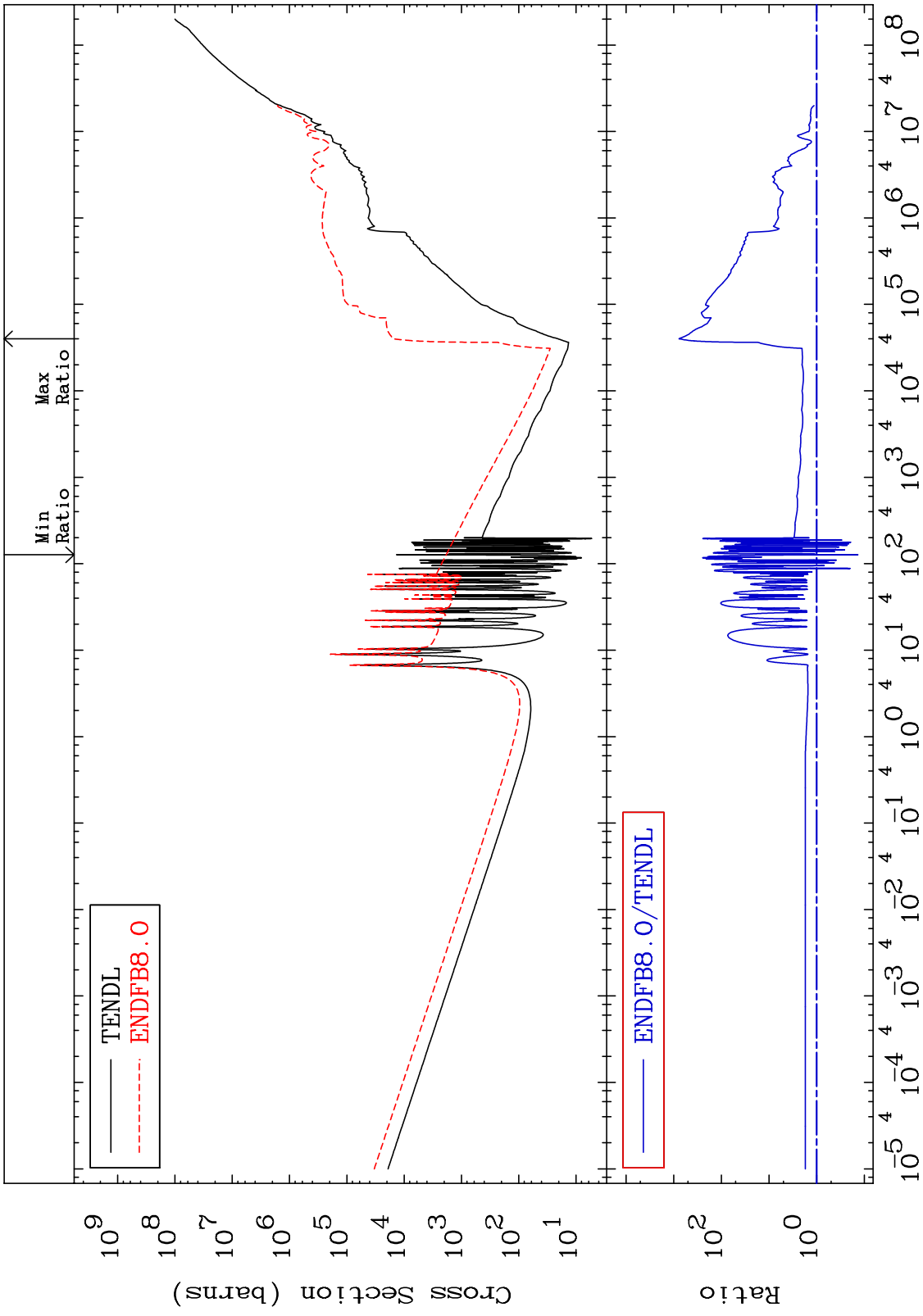


MAT 7640 Kerma elastic Cross Section 76-0s-189  
 -80.94 To 3394. %

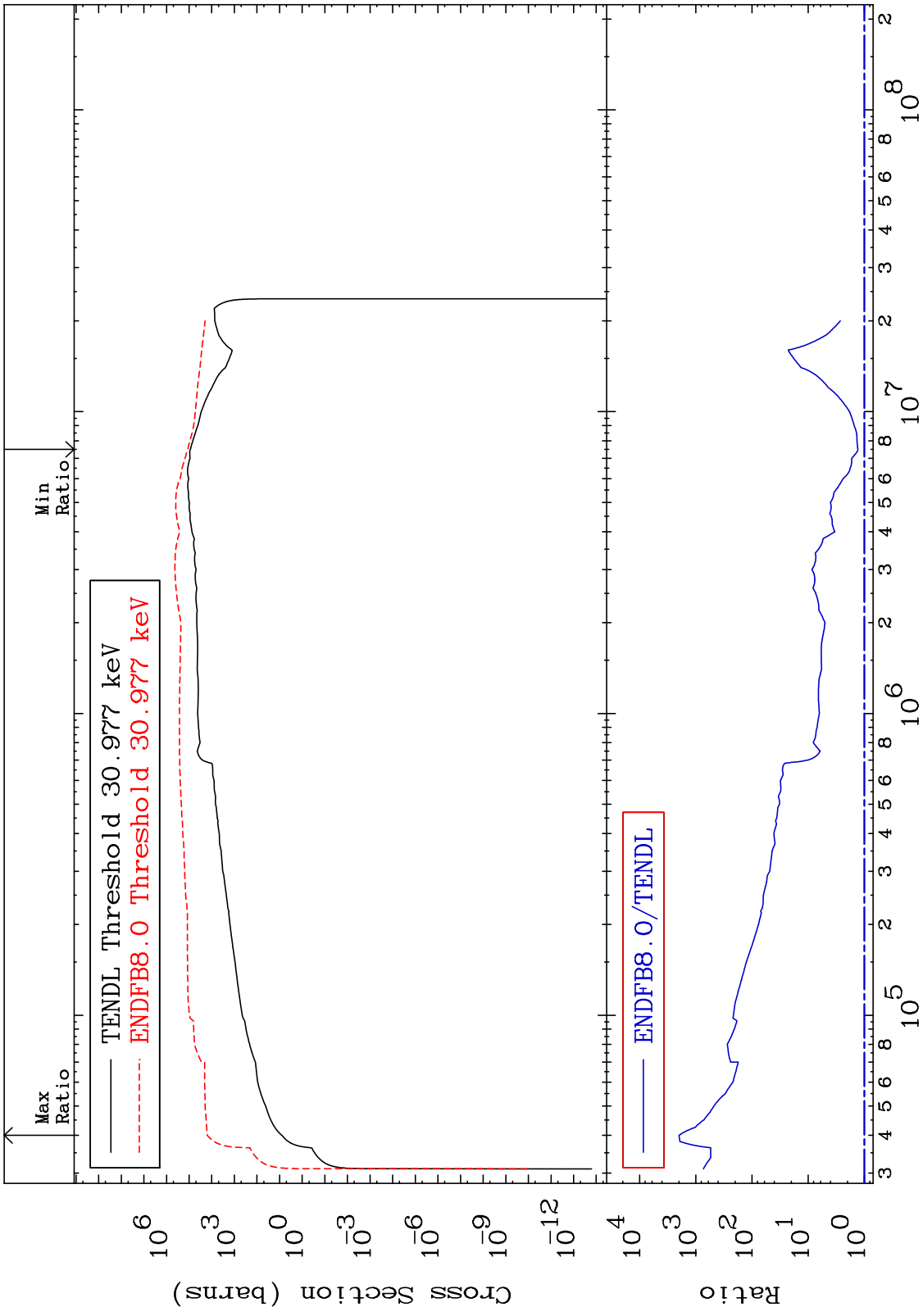




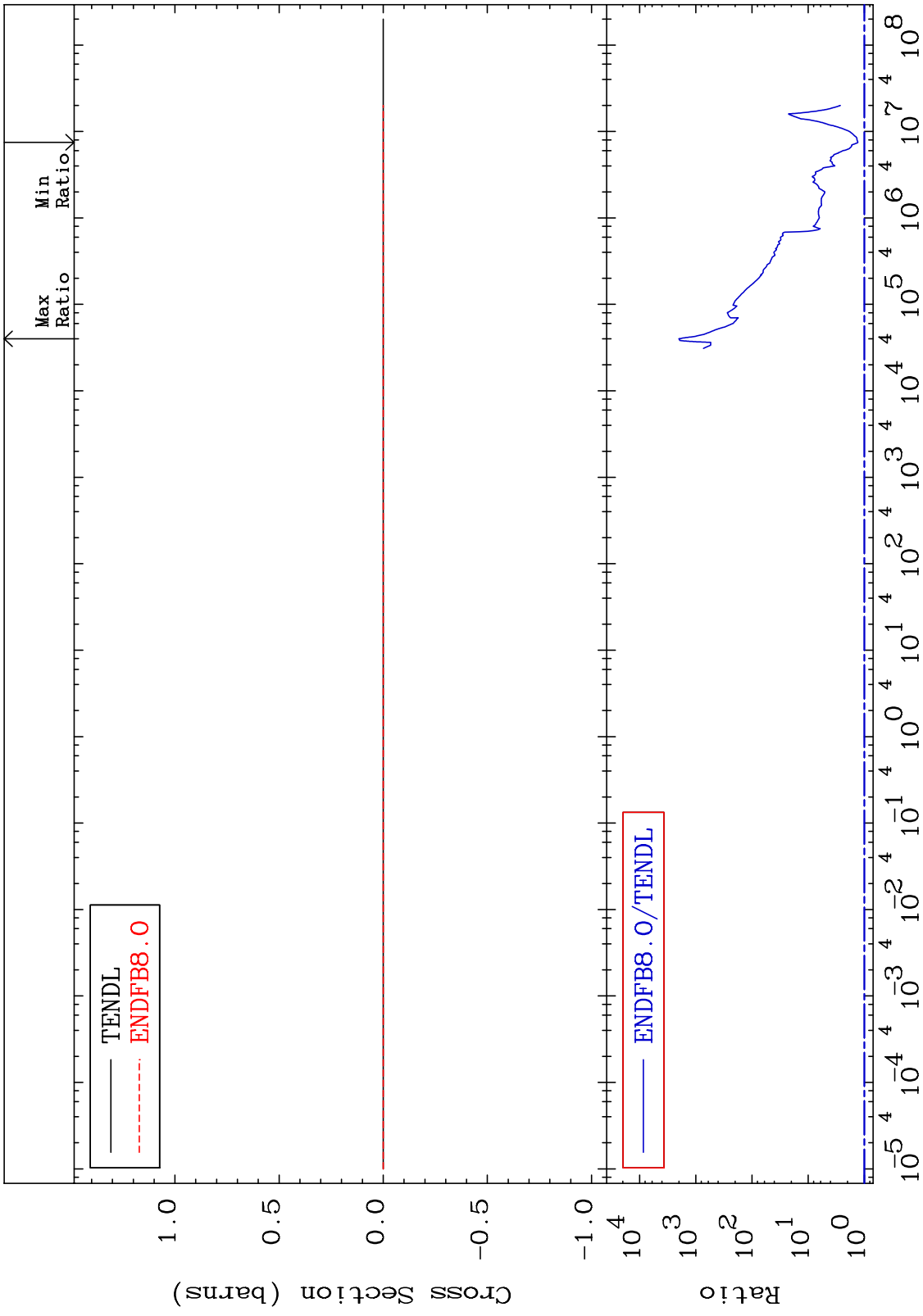
MAT 7640 Kerma non-elastic (all but mt.2) Cross Section 76-0s-189  
 -86.28 To 9999. %



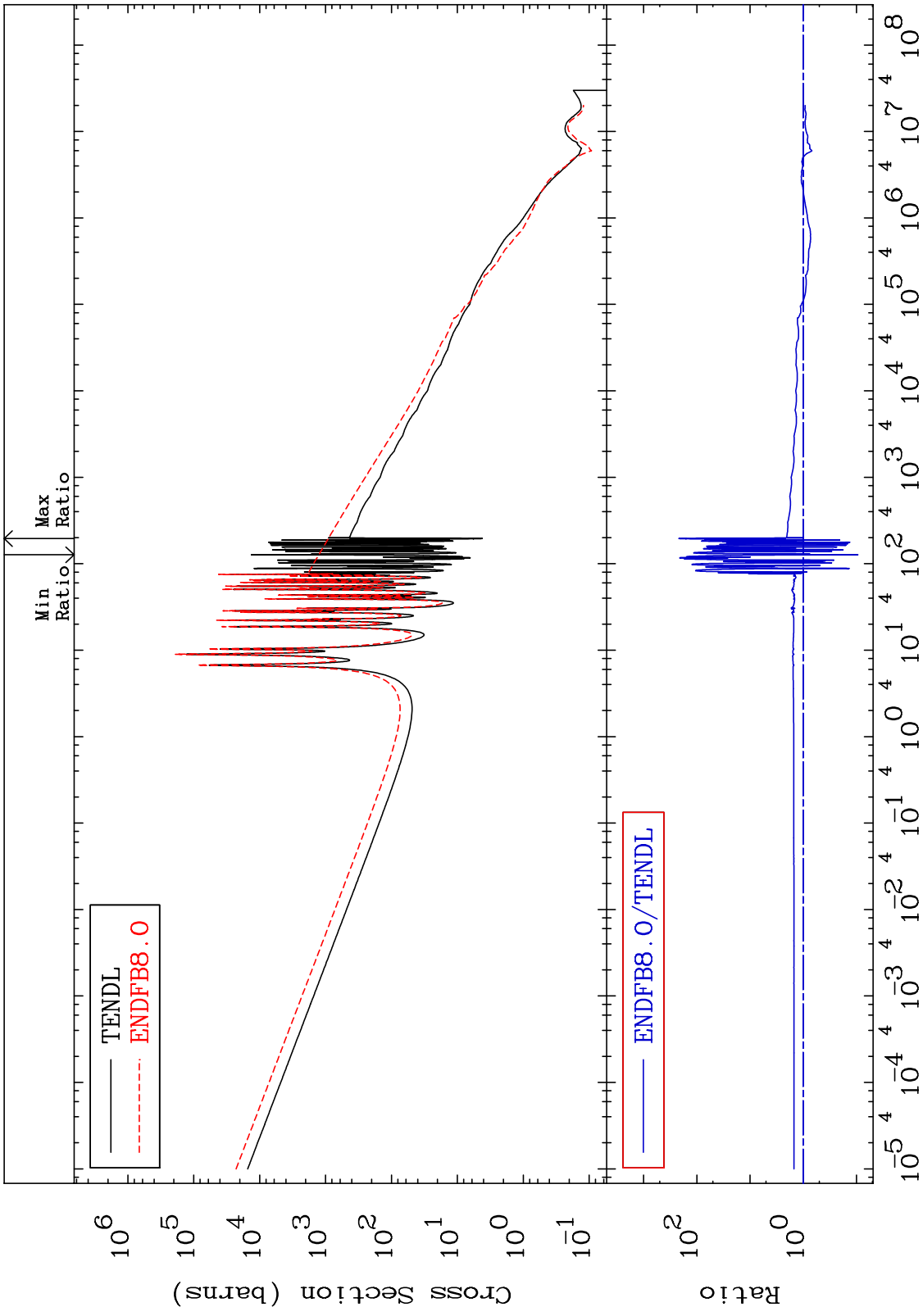
MAT 7640 Kerma inelastic (mt51-91) 76-Os-189  
 Cross Section 30.69 To 9999. %



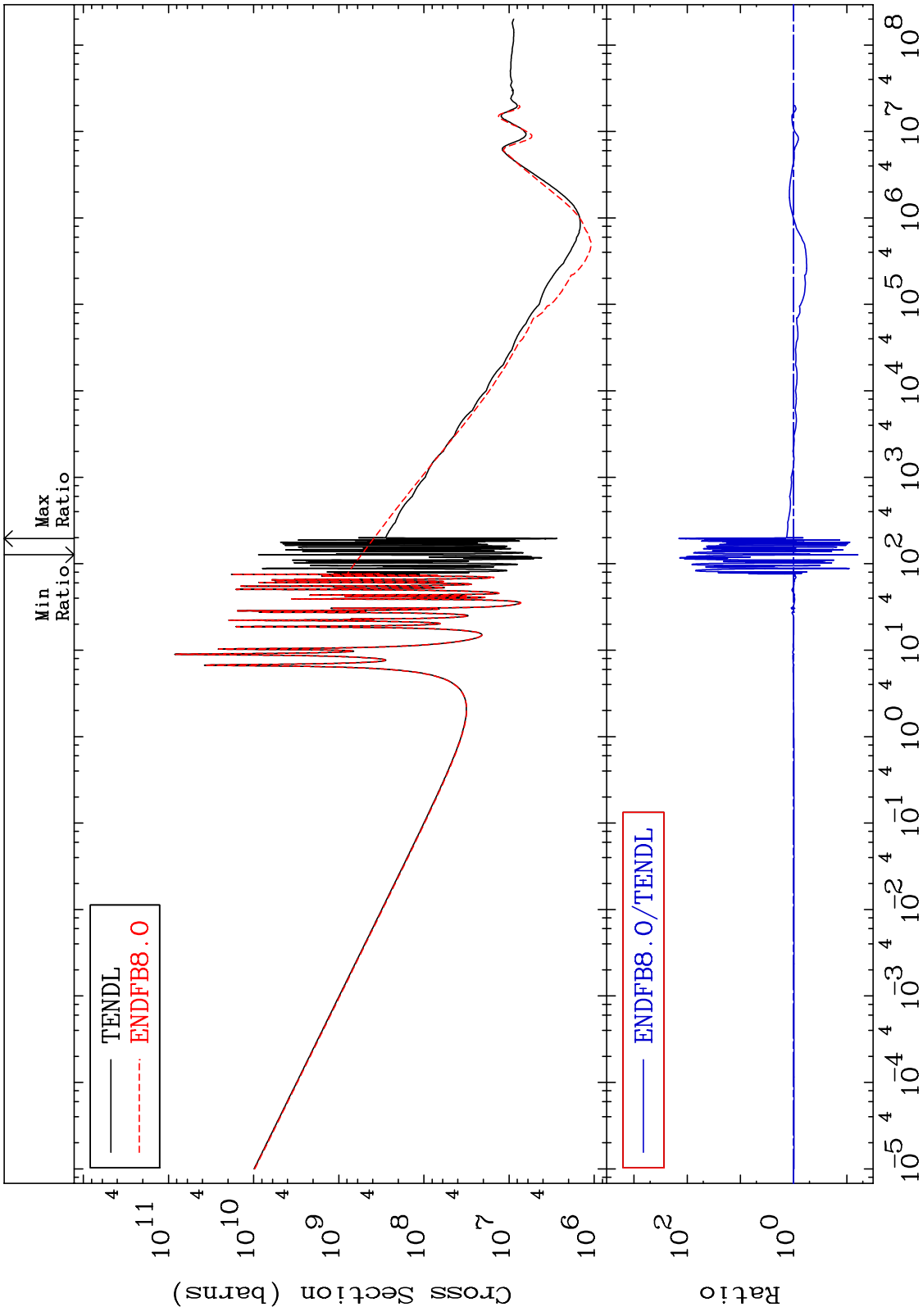
MAT 7640 Kerma fission (mt18 or mt19-20-21-38) 76-0s-189  
 Cross Section 30.69 To 9999. %



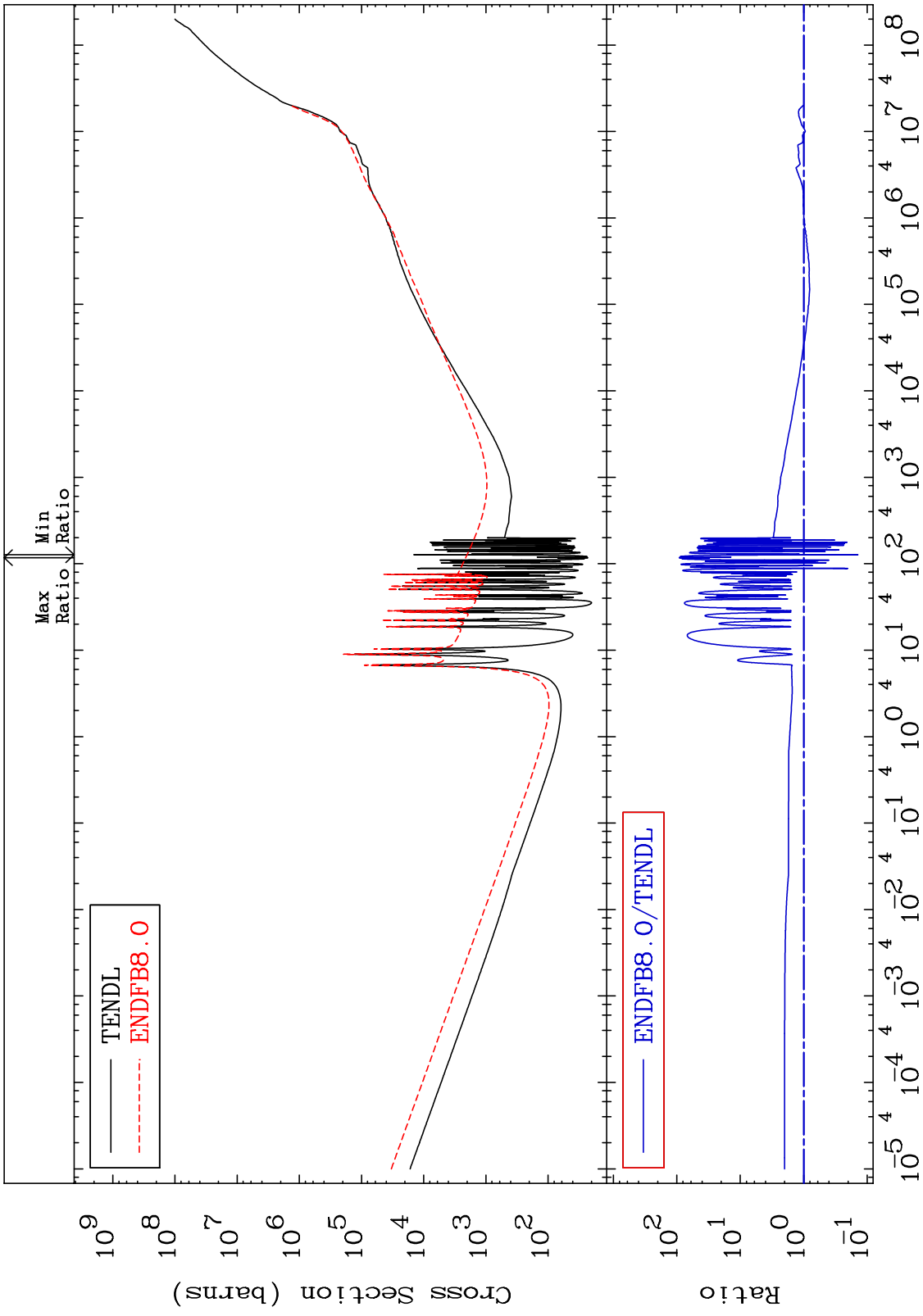
MAT 7640 Kerma capture (mt102) 76-Os-189  
 Cross Section -90.60 To 9999. %



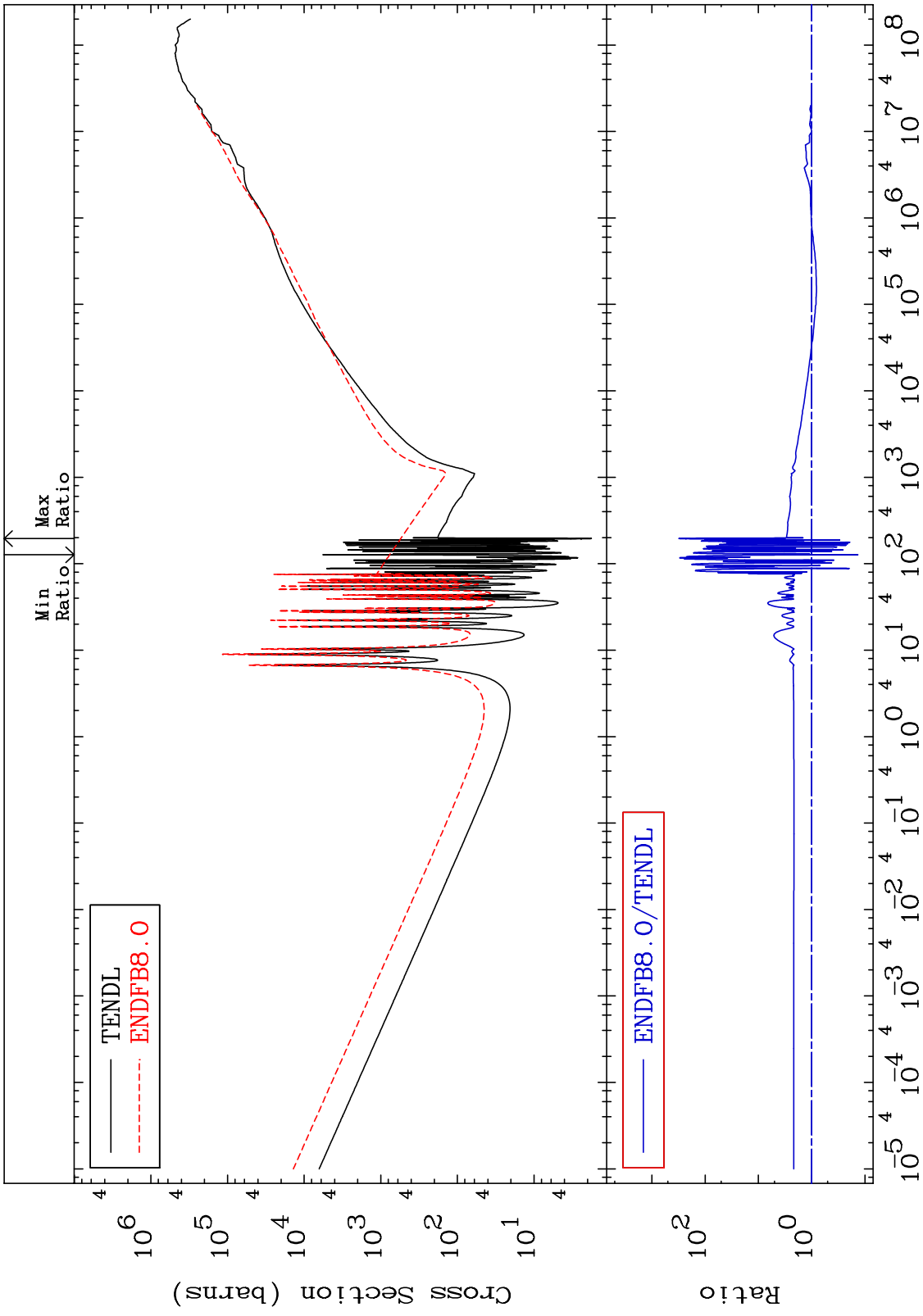
MAT 7640 Total photon (eV-barns) Cross Section 76-0s-189  
 -93.81 To 9999. %



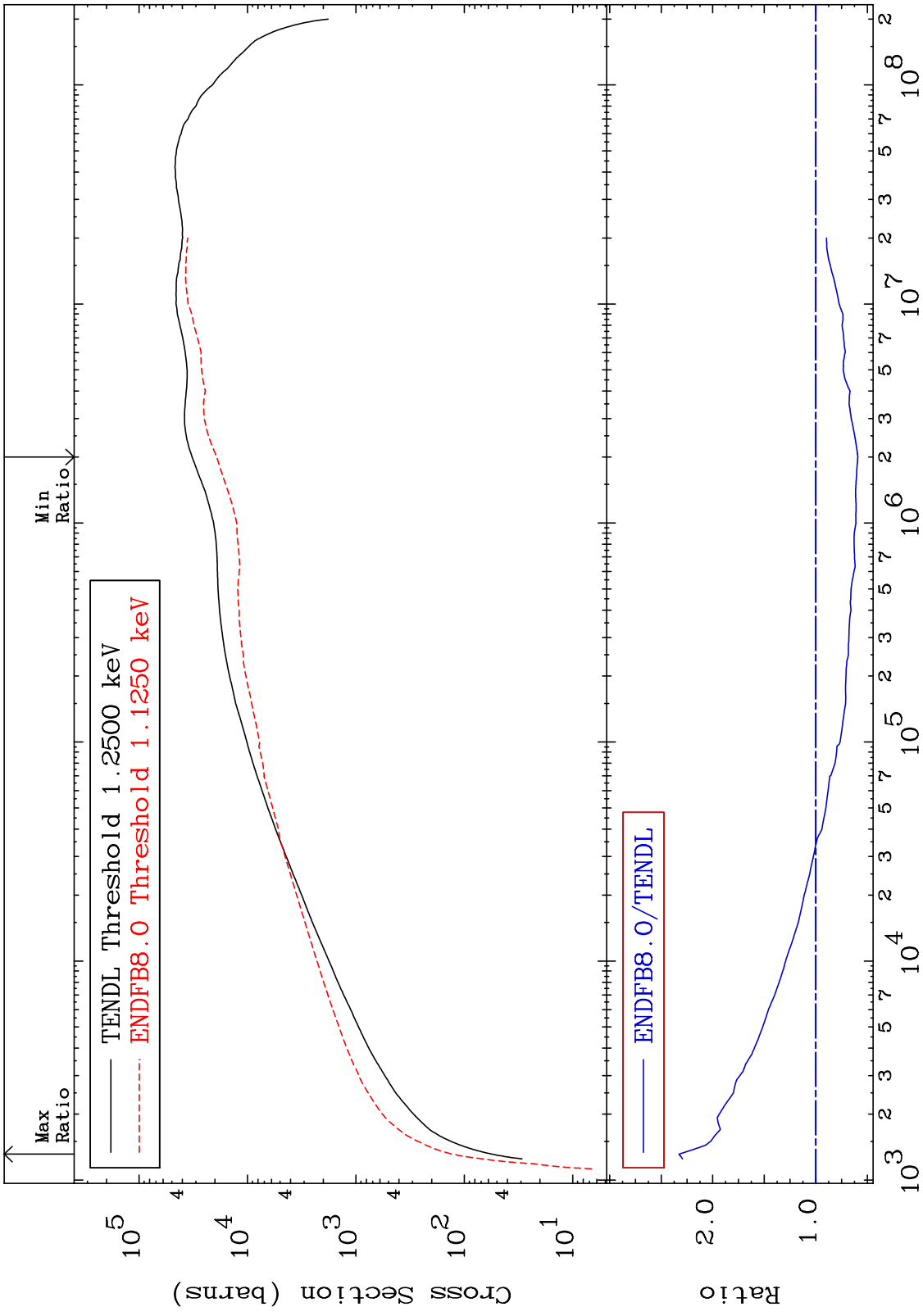
MAT 7640 Total kinematic kerma (high limit) 76-Os-189  
 Cross Section -85.96 To 9123. %



MAT 7640      Dpa total (eV-barns)      76-0s-189  
 Cross Section      -86.41 To 9999. %



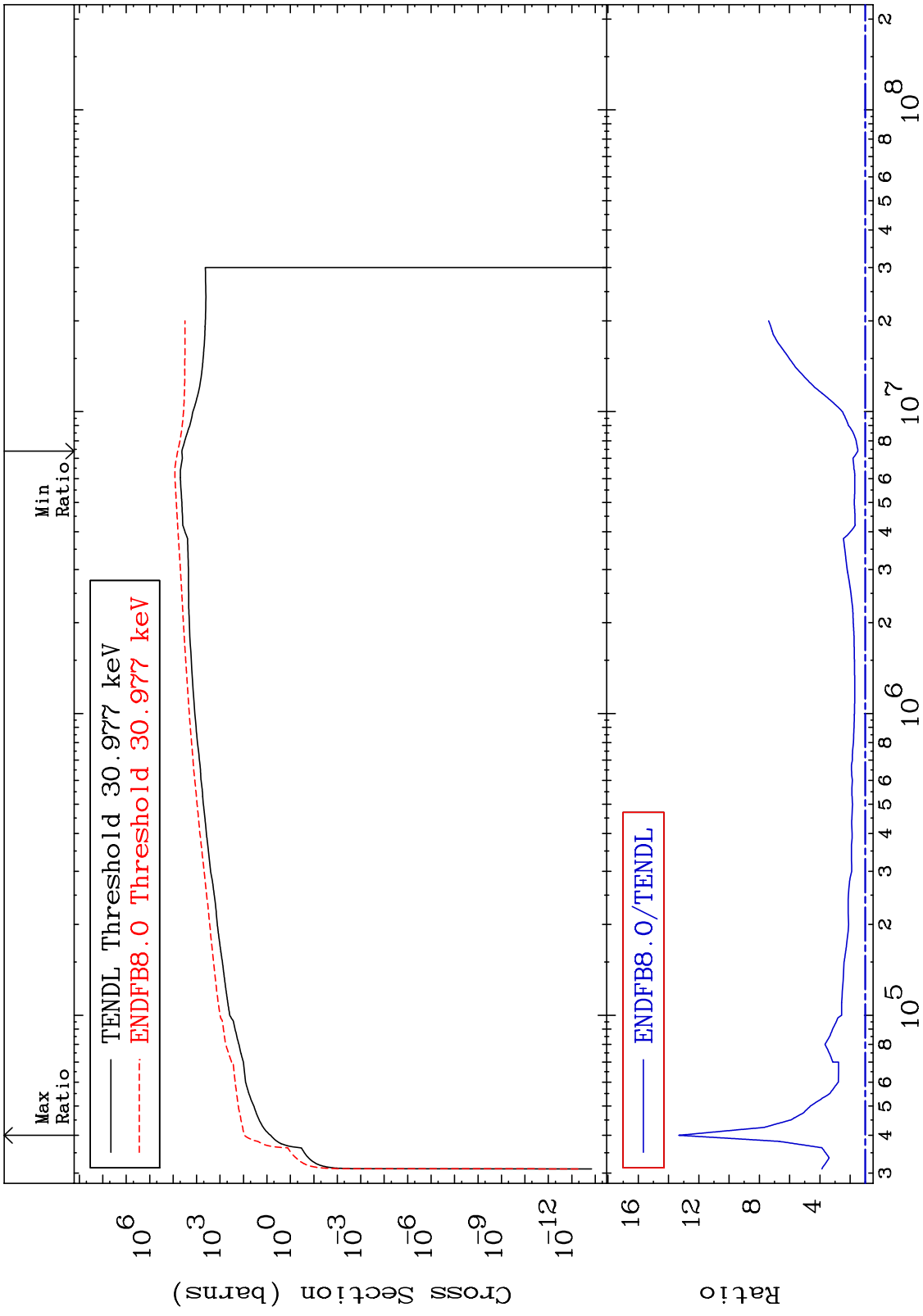
MAT 7640      Dpa elastic (mt2)      76-0s-189  
 Cross Section      -40.79 To 132.7 %



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



MAT 7640      Dpa inelastic (mt51-91)      76-Os-189  
 Cross Section      49.31 To 1231. %



MAT 7640      Dpa disappearance (mt102 -120)      76-0s-189  
 Cross Section      -86.41 To 9999. %

