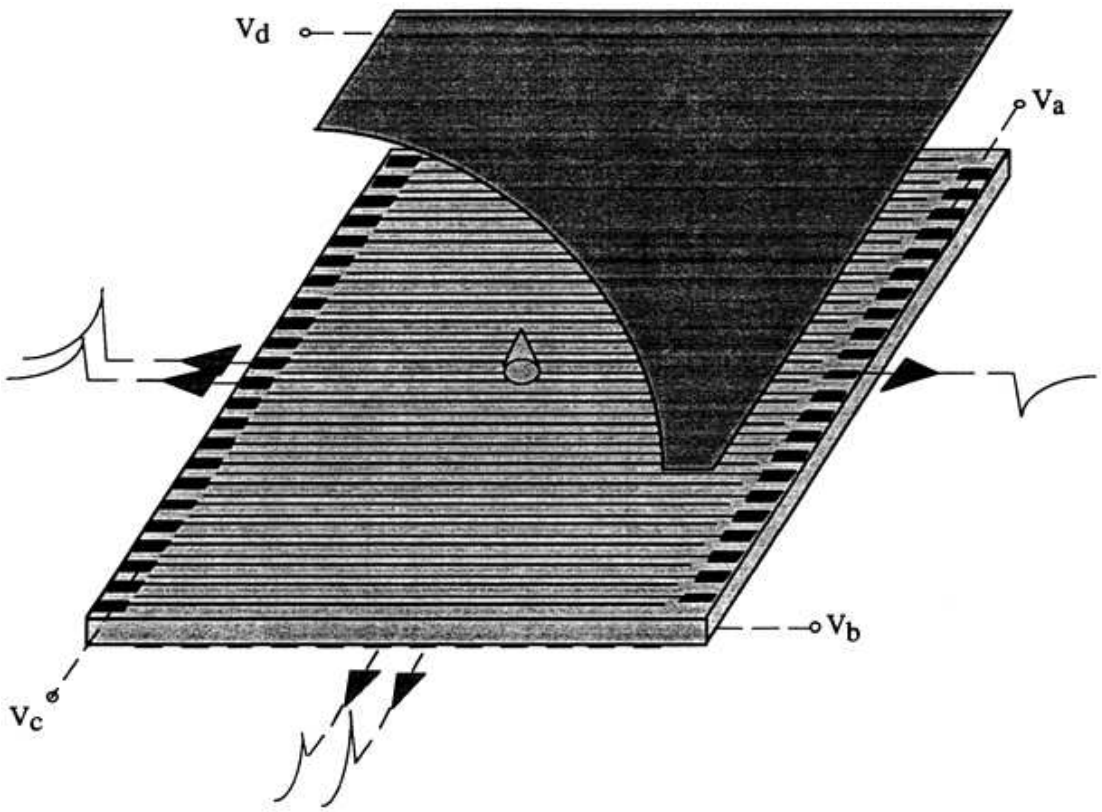

Fig. 1: Schematics of a MSGC and of the signals induced by an avalanche.

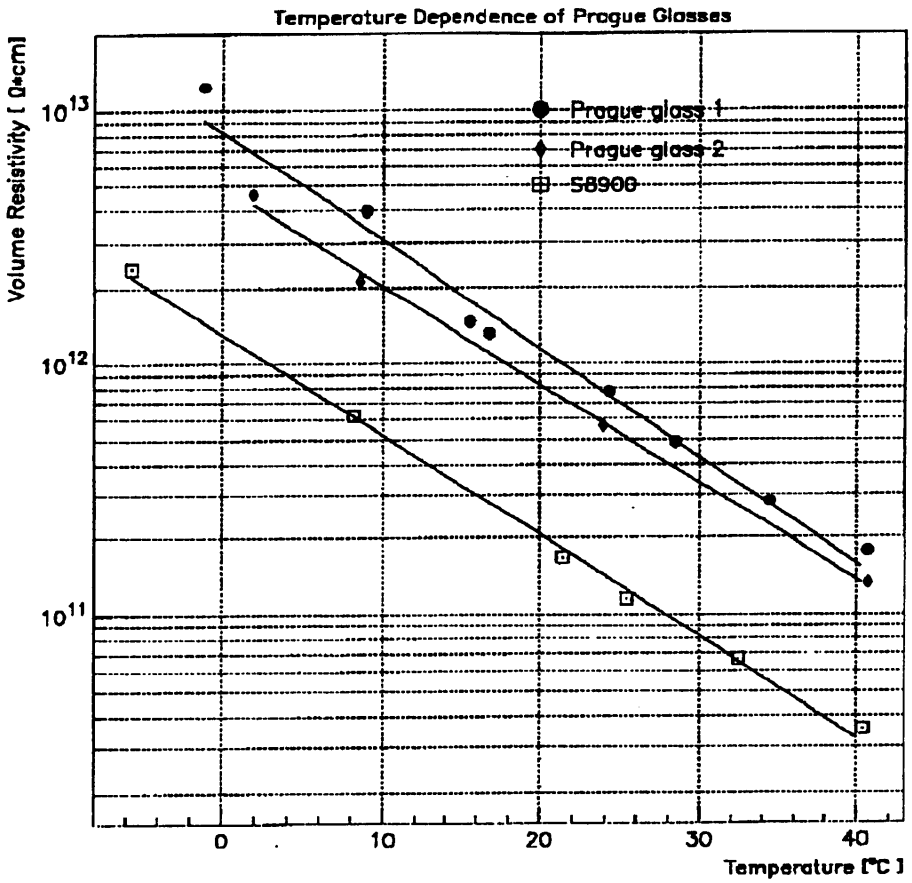

Fig. 2: Temperature dependence of resistivity in several electron-conducting glasses.

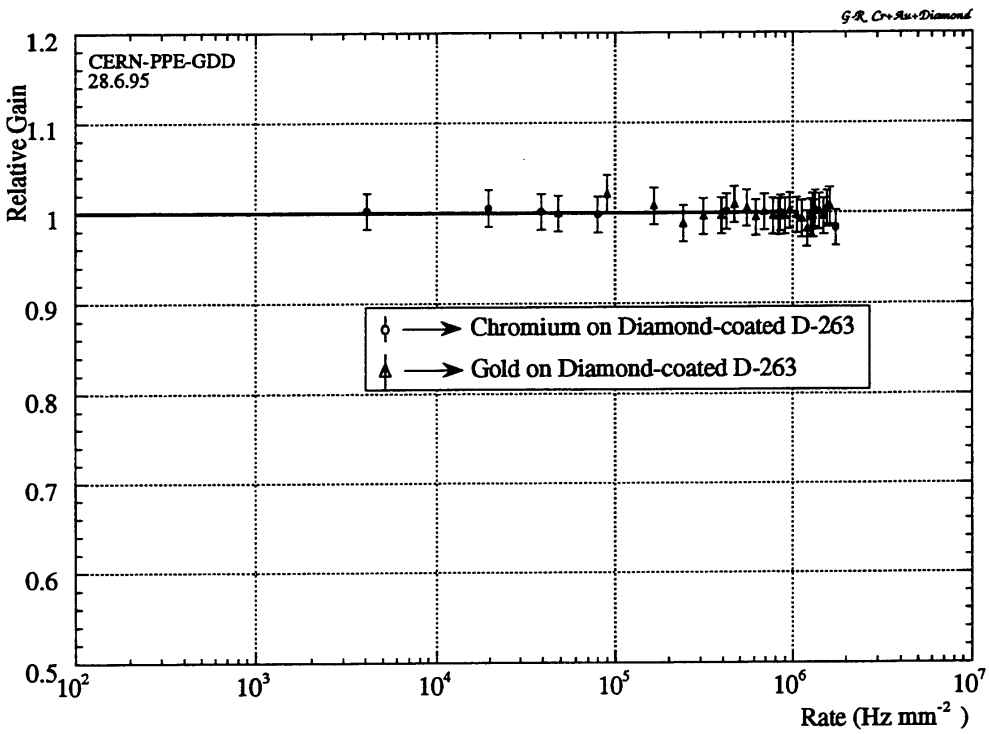

Fig. 3 : Rate dependence of gain for MSGCs made with chromium and gold on diamond-coated glass.

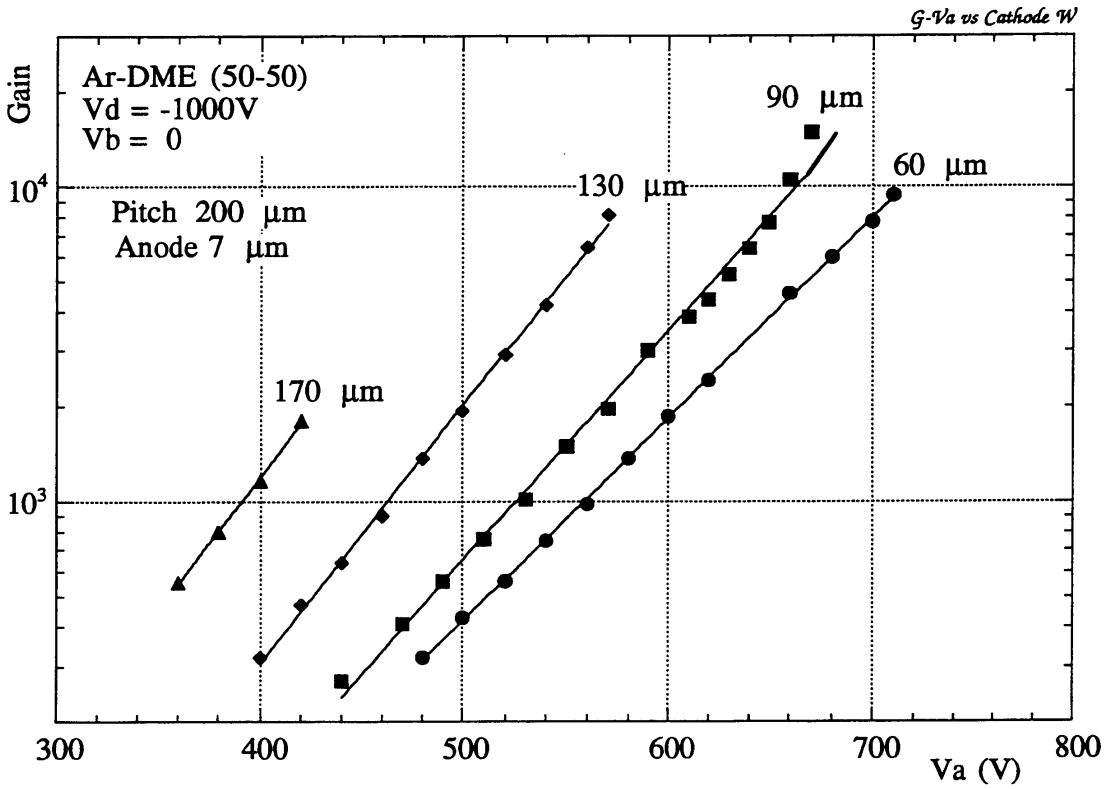

Fig. 4 : Maximum gain reachable in MSGCs having equal anode widths and pitch, for different cathode widths.

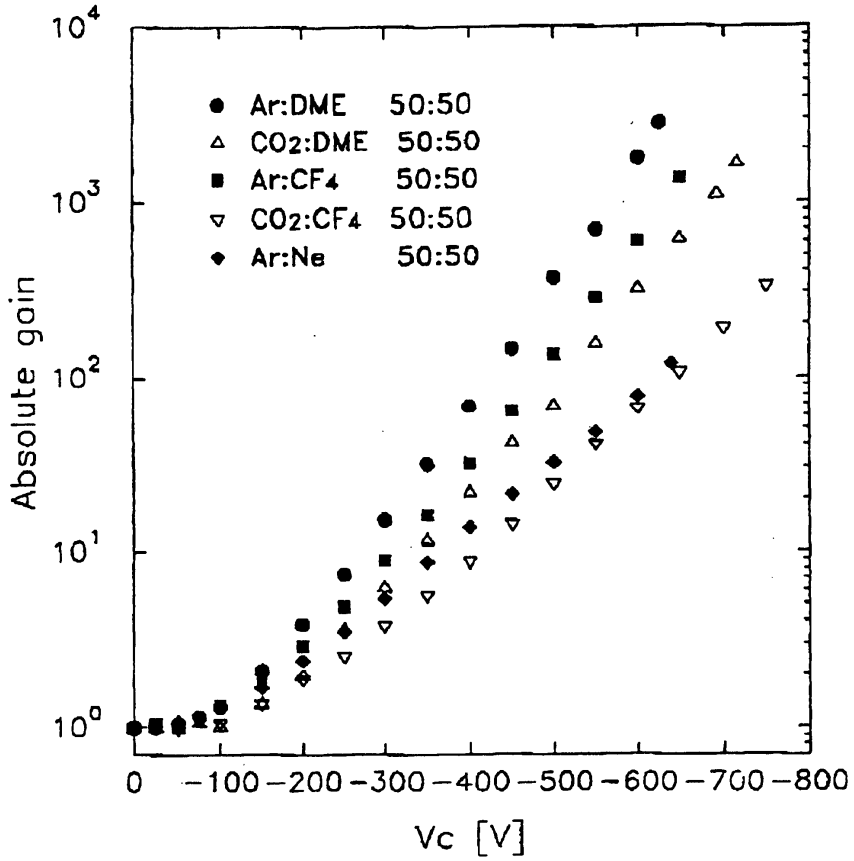

Fig. 5 : Absolute gain vs. voltage measured for several gas mixtures, measured in a standard 200 μm pitch MSGC.

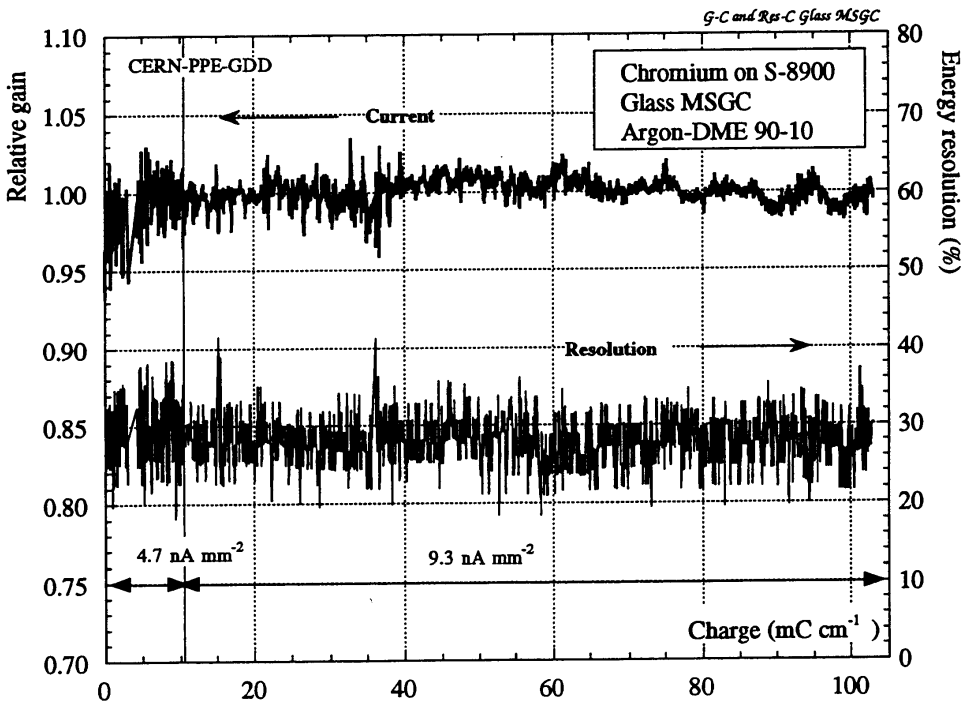

Fig. 6 : Long term ageing test: gain and energy resolution as a function of collected charge. Chromium MSGC on electron-conducting glass.

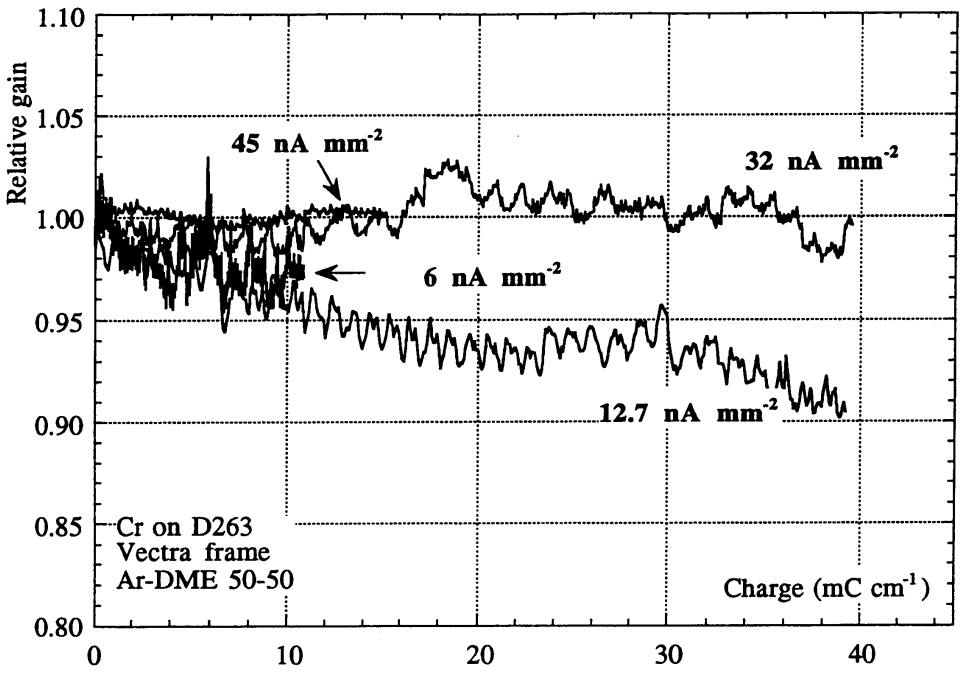

Fig. 7 : Current density (dose rate) dependence of ageing measurements. Chromium strips on D-263 glass.