

**Abstract:** Laser Induced Pressure Pulse method (its abbreviated form is LIPP) is a high resolution method used to measure the space charge distribution along the thickness in a dielectric thin film sample of electret(10 ~ 50 $\mu$ m)with a definition of 1 ~ 2 $\mu$ m. It is used to excite pressure pulse in a sample by means of a single laser pulse which will lead to the change of charge density on the two electrodes. According to the anort-circuit (or open-circuit voltage) signal of the current electrode, the relative charge density distribution of the orientation of thickness in a sample will be displayed directly. Fluorine-carbon polymer film is introduced in this paper. After the respective conduction of low energy electro-beam electret and normal or elevated temperature corona electret, the LIPP method is used to measure the movement of average charge gravitational centre, which is caused by space charge distribution and various beam energies in the sample.