

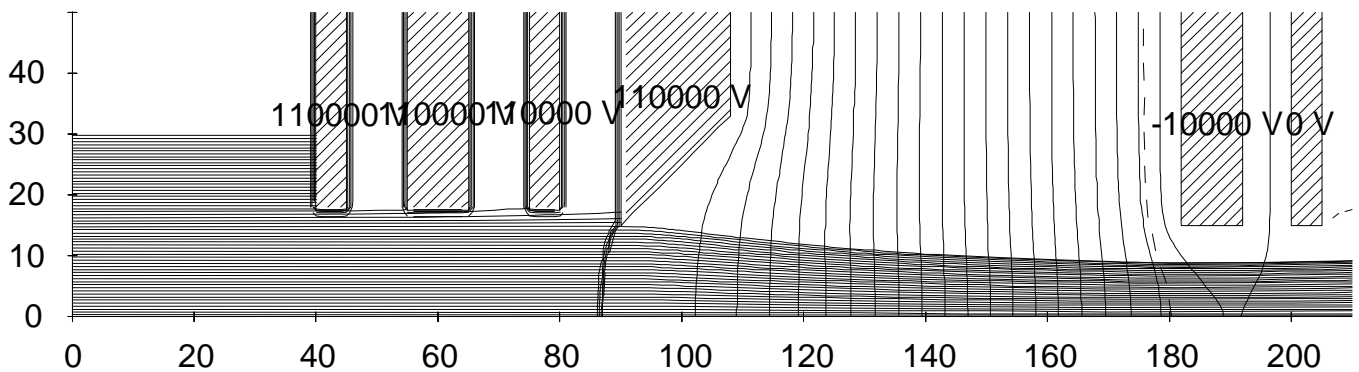
## IGUN simulation of Plasma Shutter

**Operation mode – “open (at source voltage)”**: Nominal source current should be 60 mA – actual source current 60 mA (thus no disruption to normal extraction whilst “open”).

UP=110016.4, TE=10.0 eV, UI=2000.0 eV, MASS=9.1, TI=0 eV, USPUT=0 V

0.240 A, , HOLD OF AMP SO

Plasma Shutter1



**Operation mode – “shut (-10 kV)”**: Nominal source current would be 200mA – actual source current is cut to 8mA.

UP=110016.4, TE=10.0 eV, UI=2000.0 eV, MASS=9.1, TI=0 eV, USPUT=0 V

0.800 A, , HOLD OF AMP SO

Plasma Shutter1

