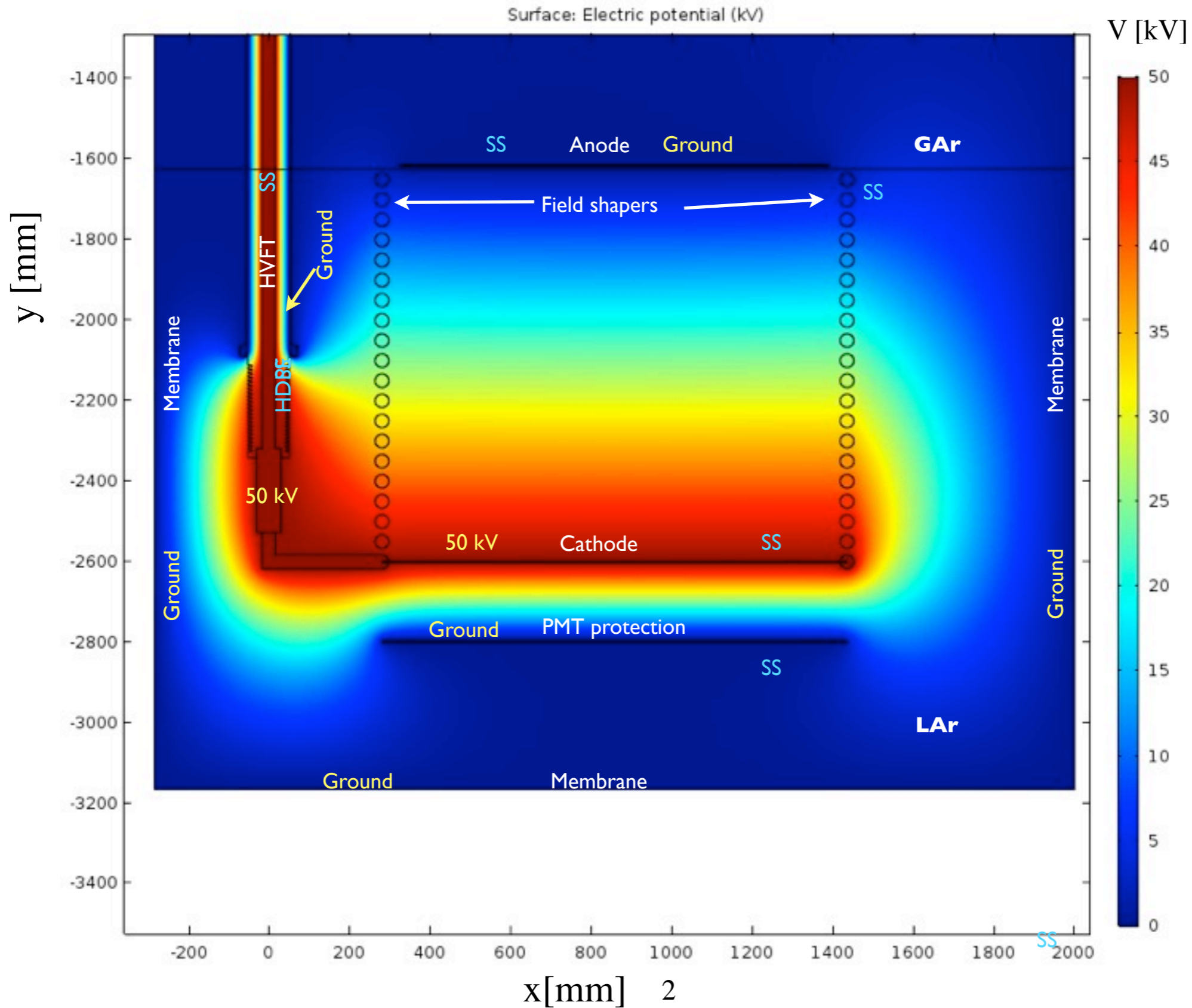


Status of HVFT simulations

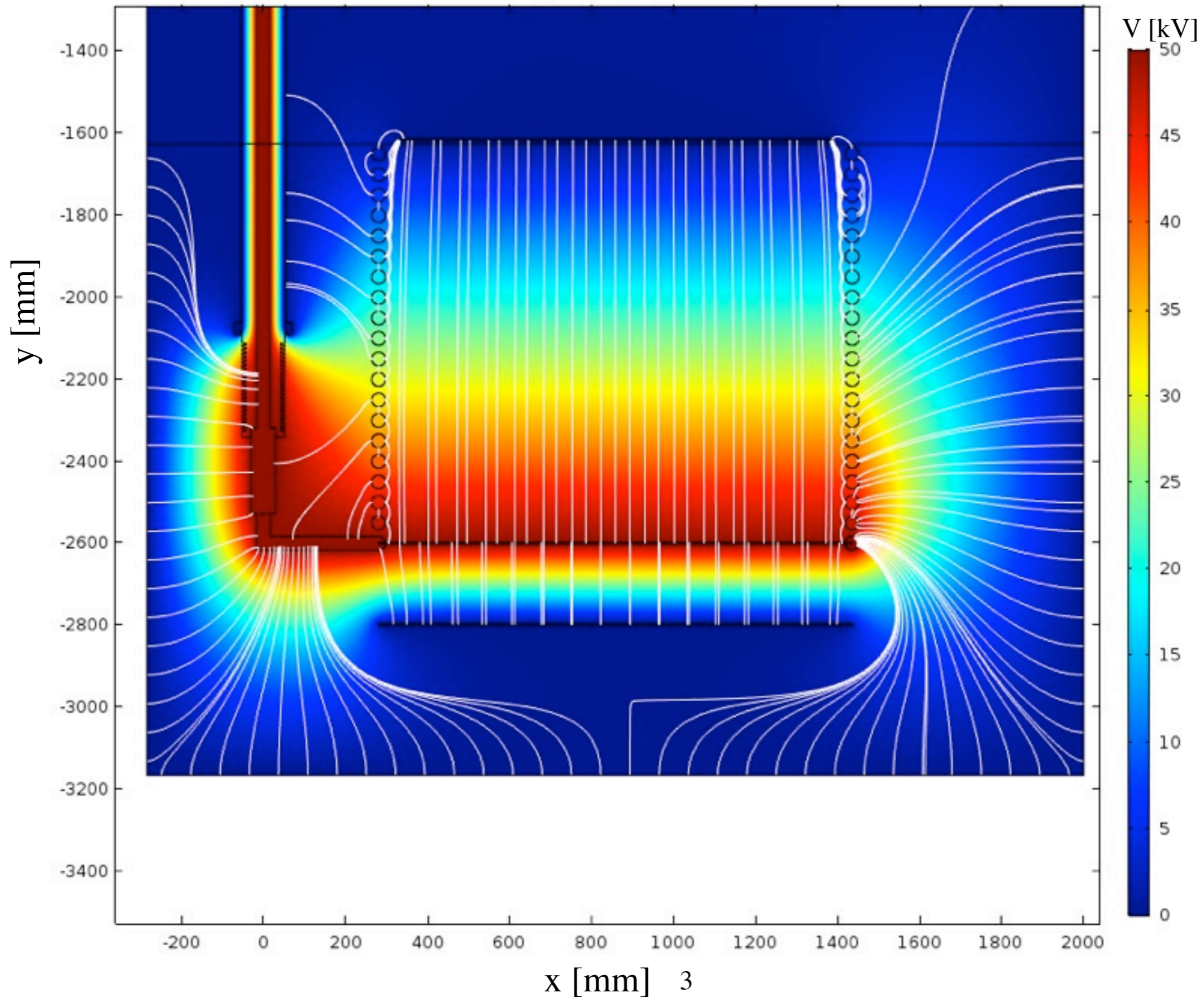
Adamo Gendotti
Franco Sergiampietri
Laura Molina Bueno

➤ **Goal:** Full simulation of the field along the 3x1x1 setup

Work in progress!!

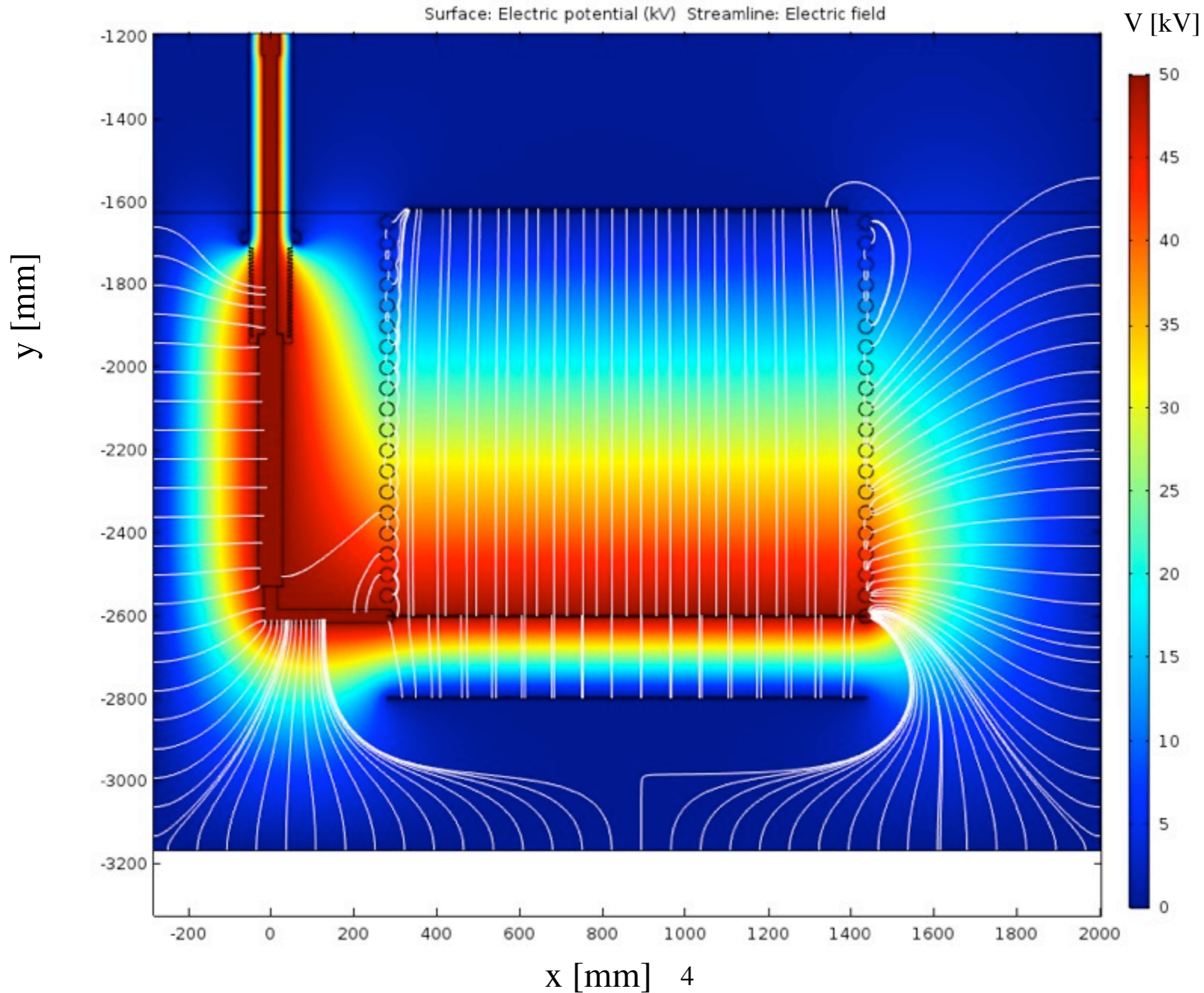


Surface: Electric potential (kV) Streamline: Electric field



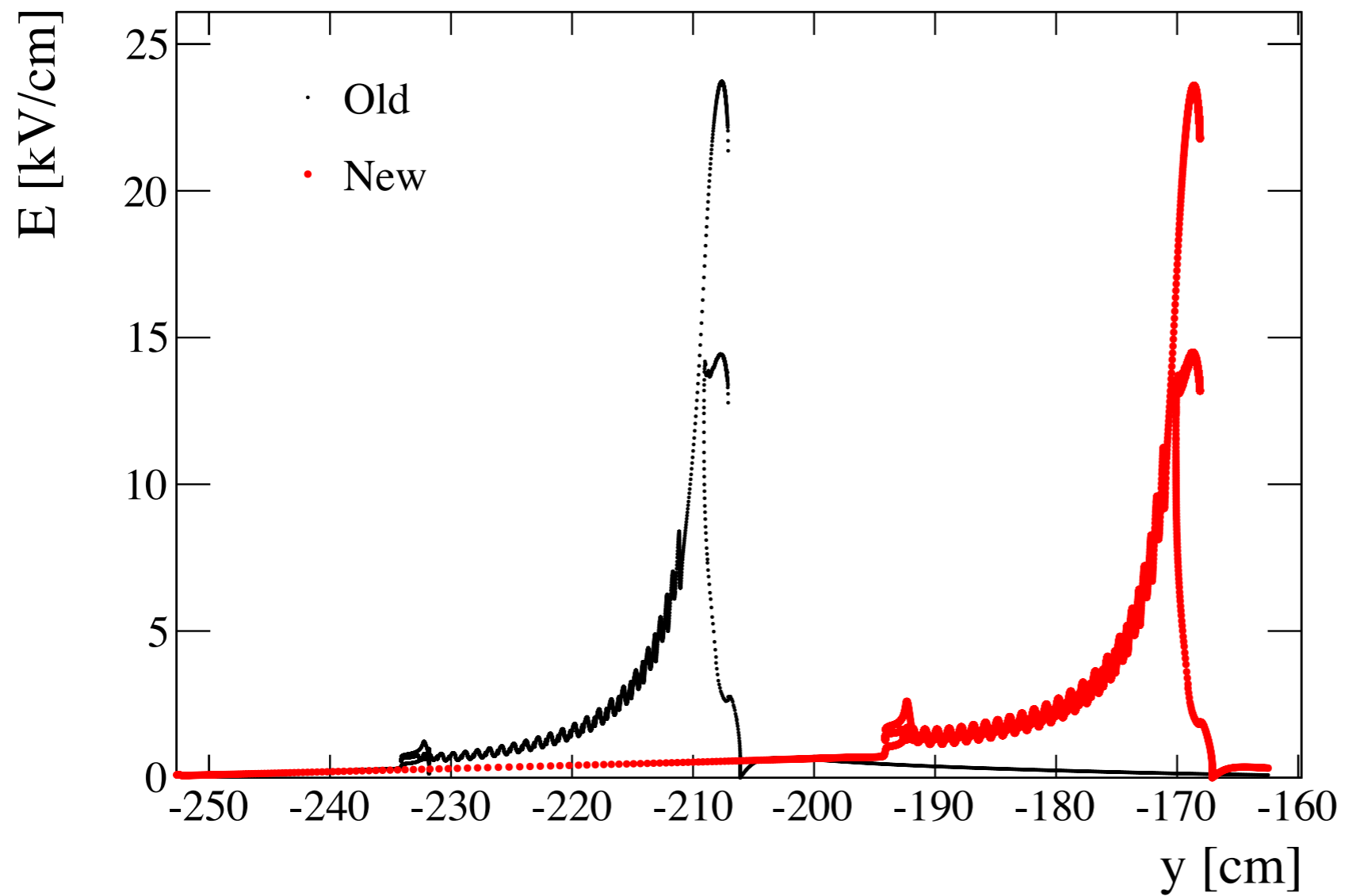
Preliminary!!

► Simulations including the new HVFT design

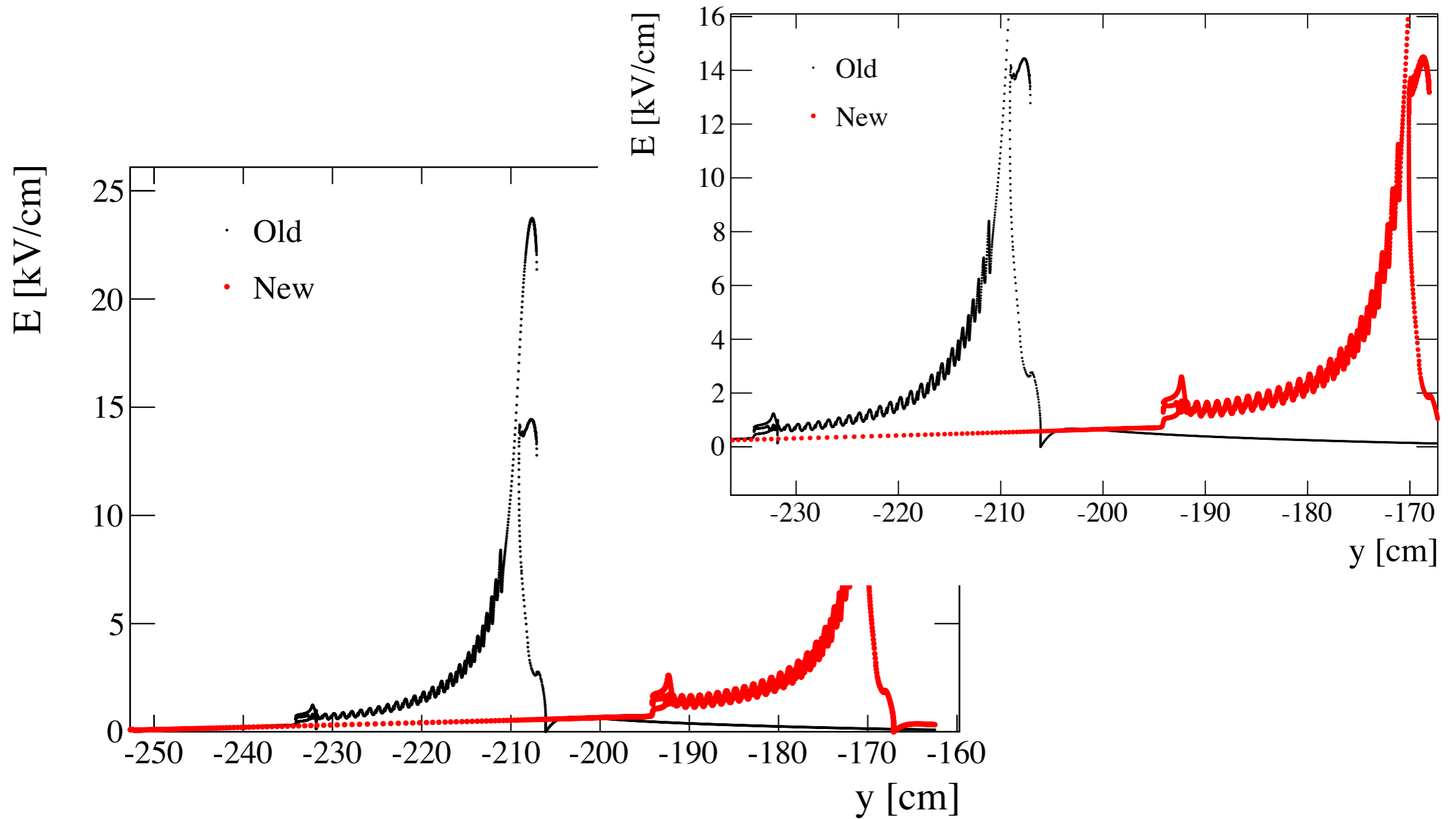


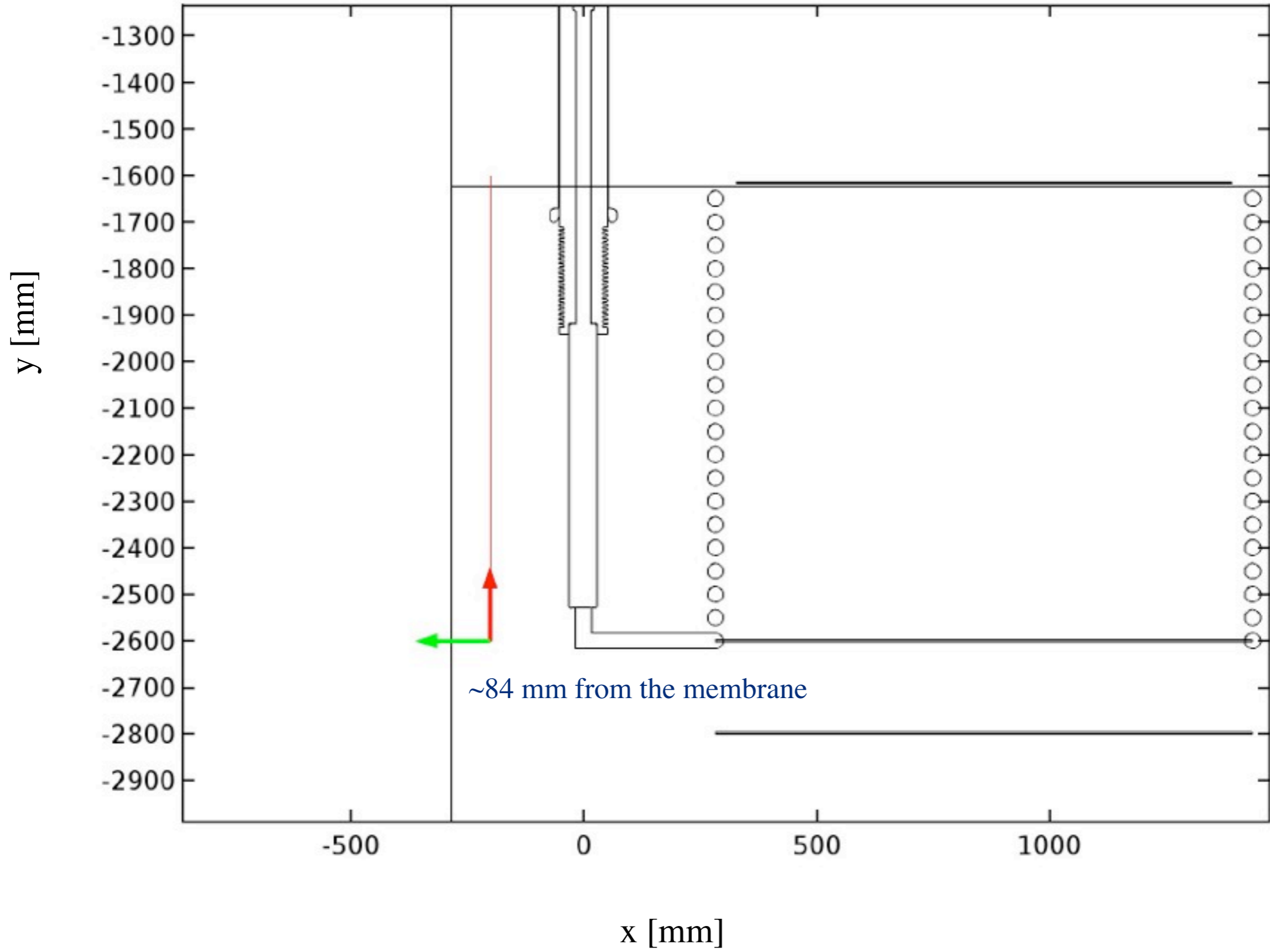
Preliminary!!

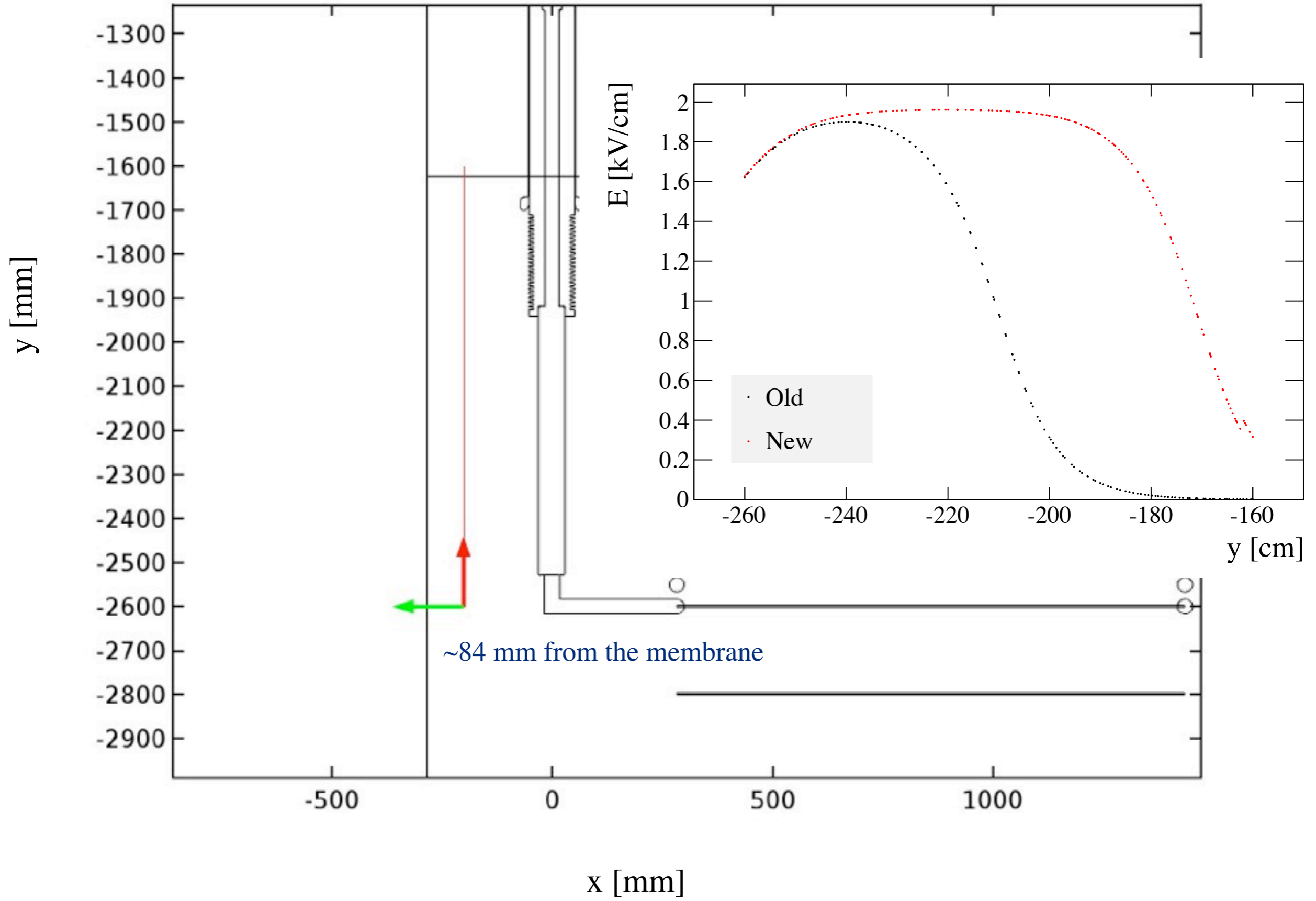
Computed electric field on the profile of the *HVFT* as a function of the distance z

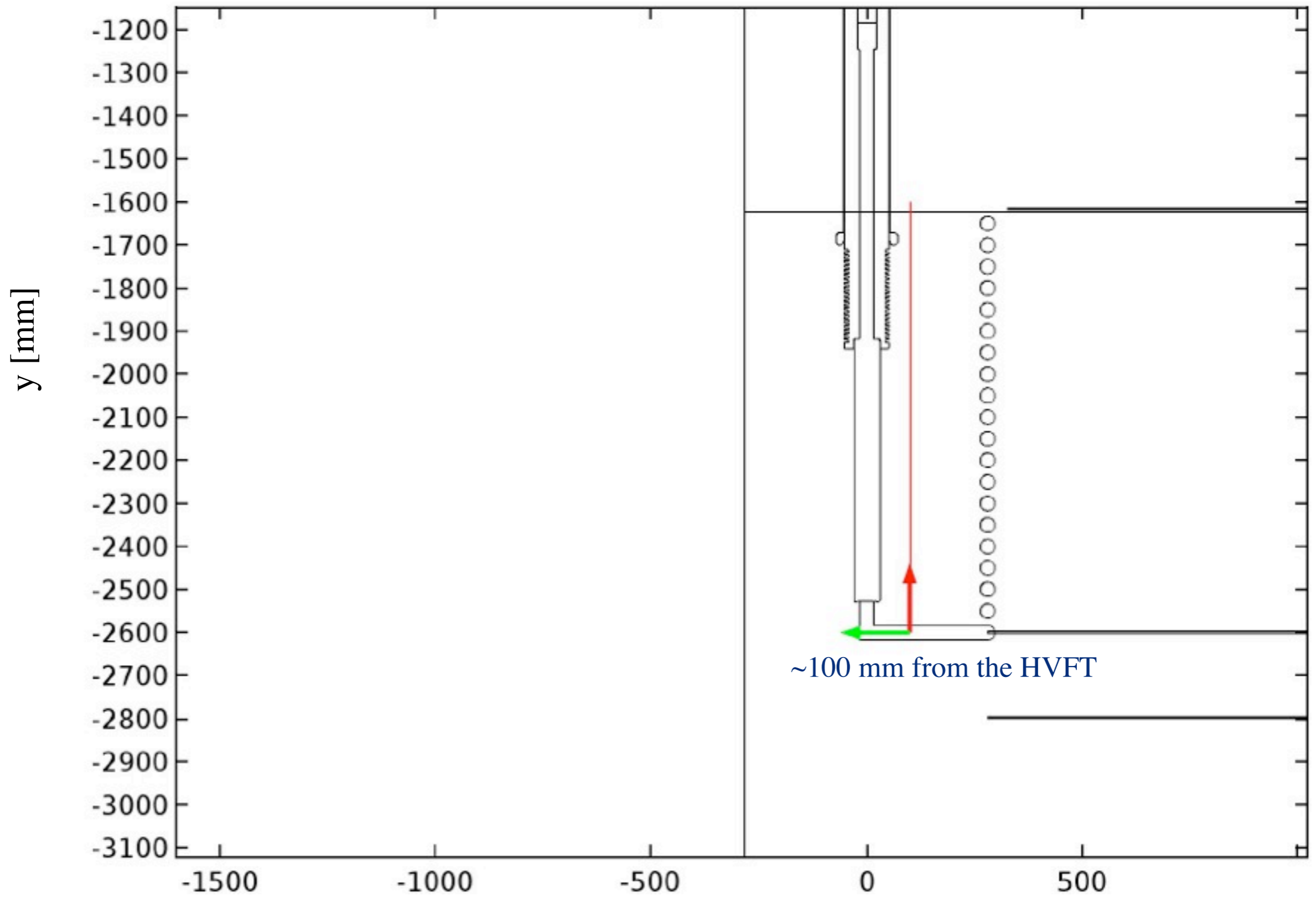


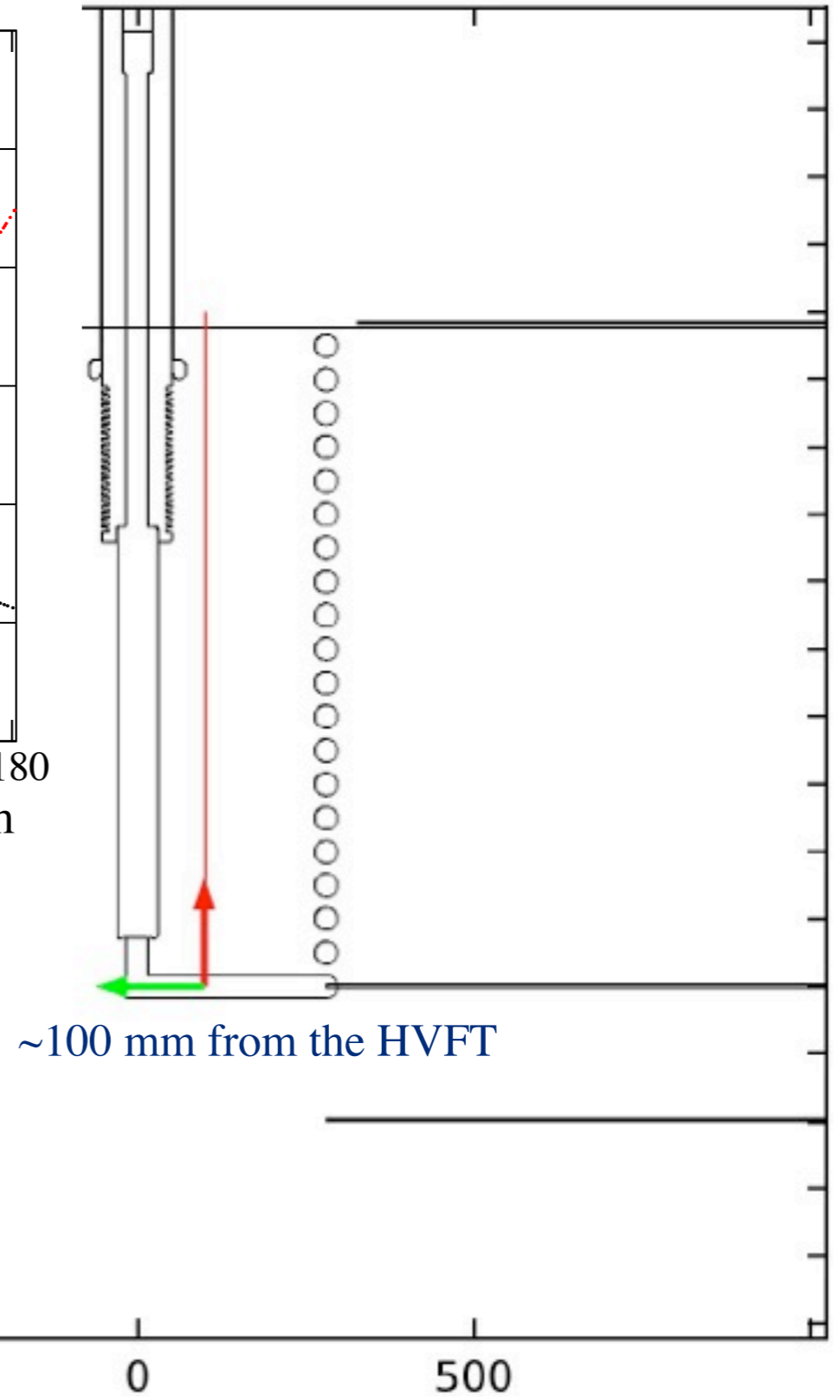
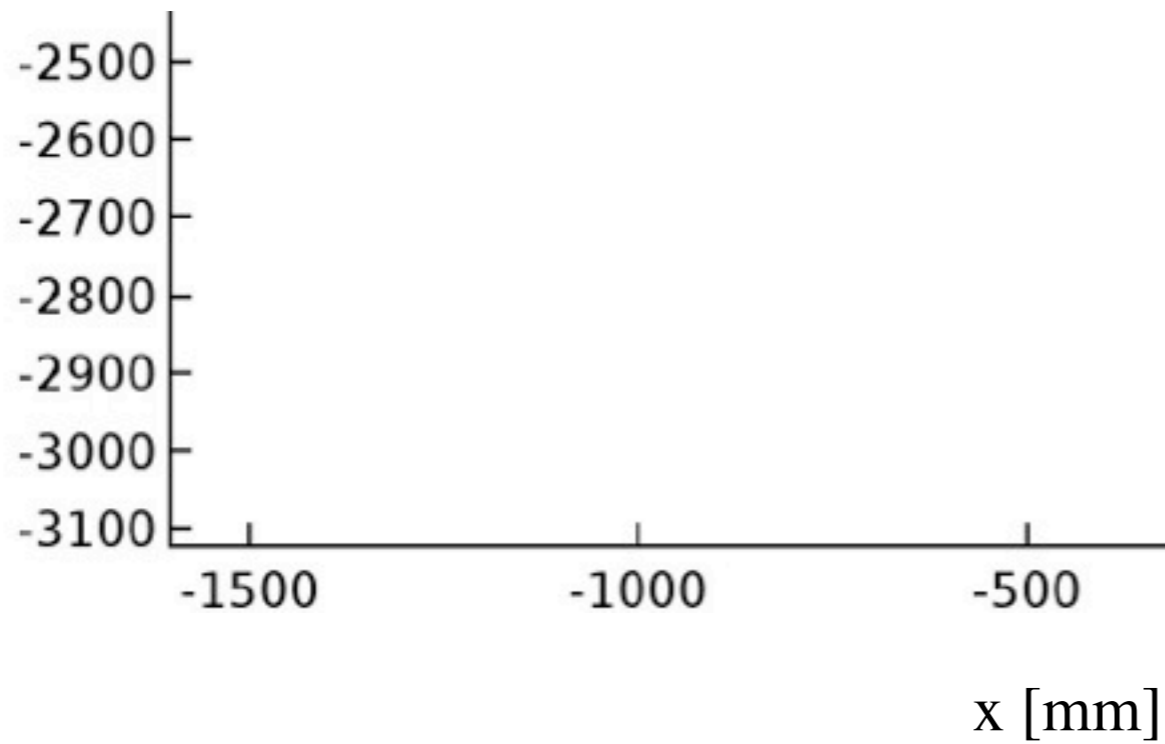
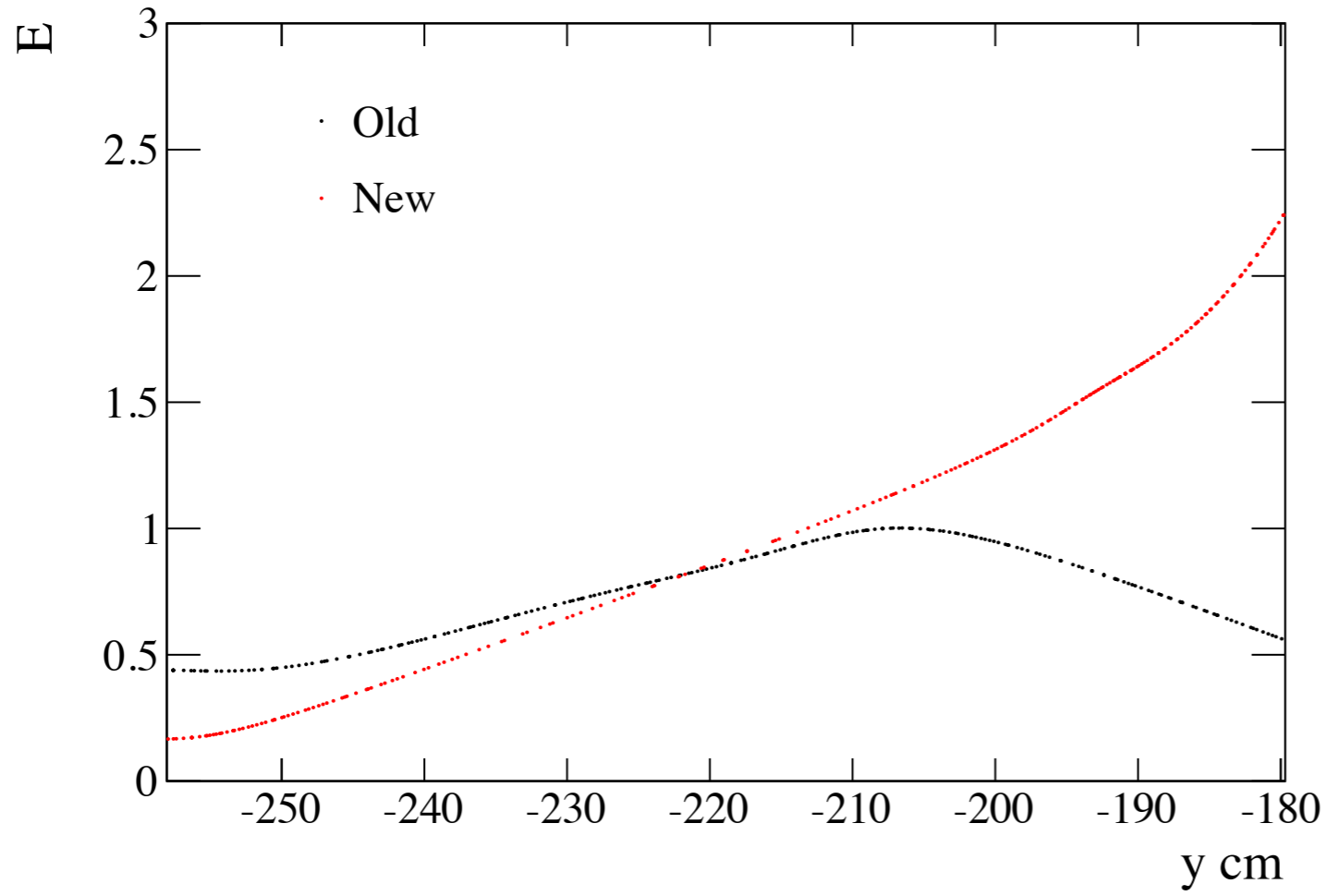
Computed electric field on the profile of the *HVFT* as a function of the distance z

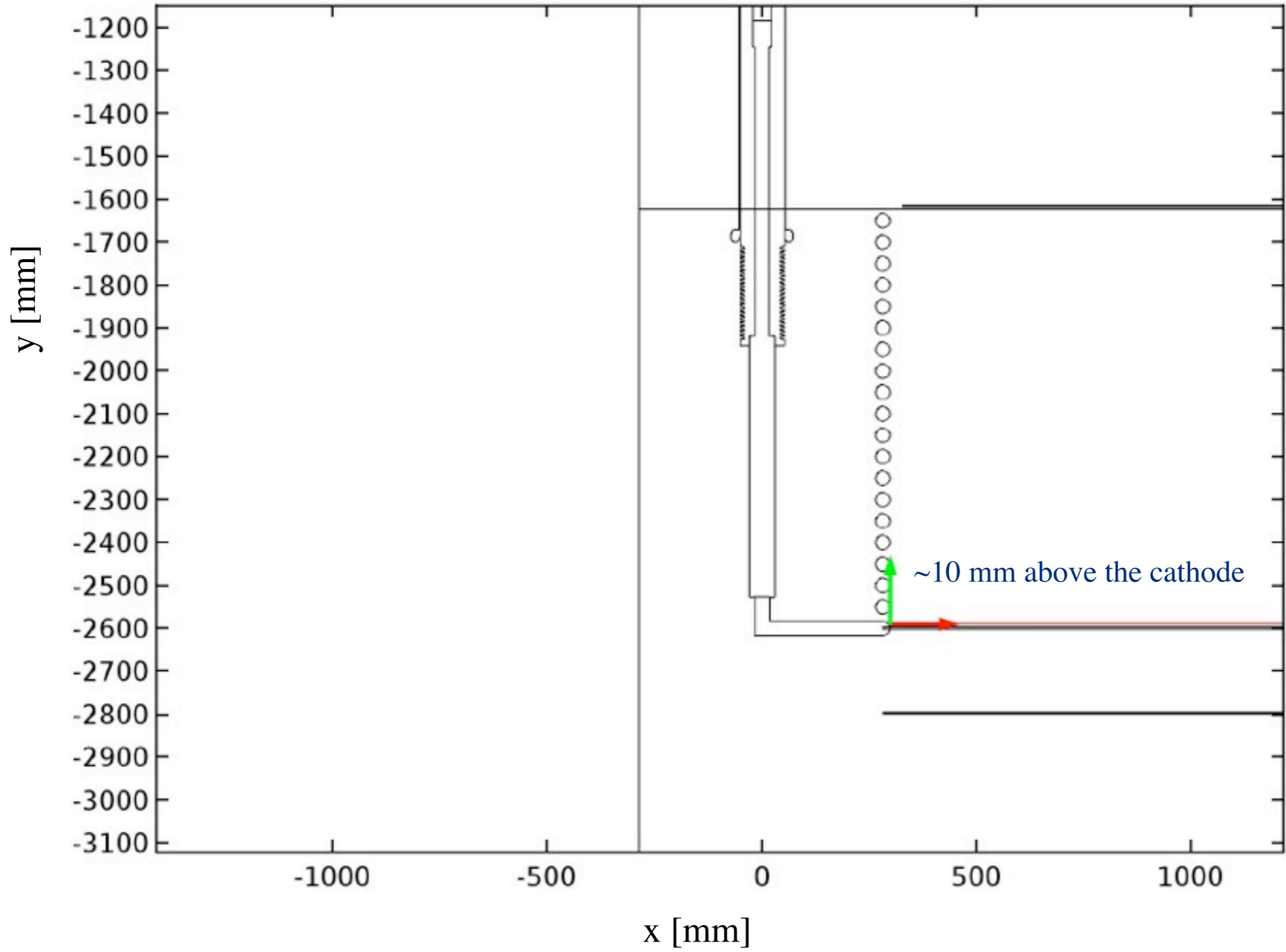


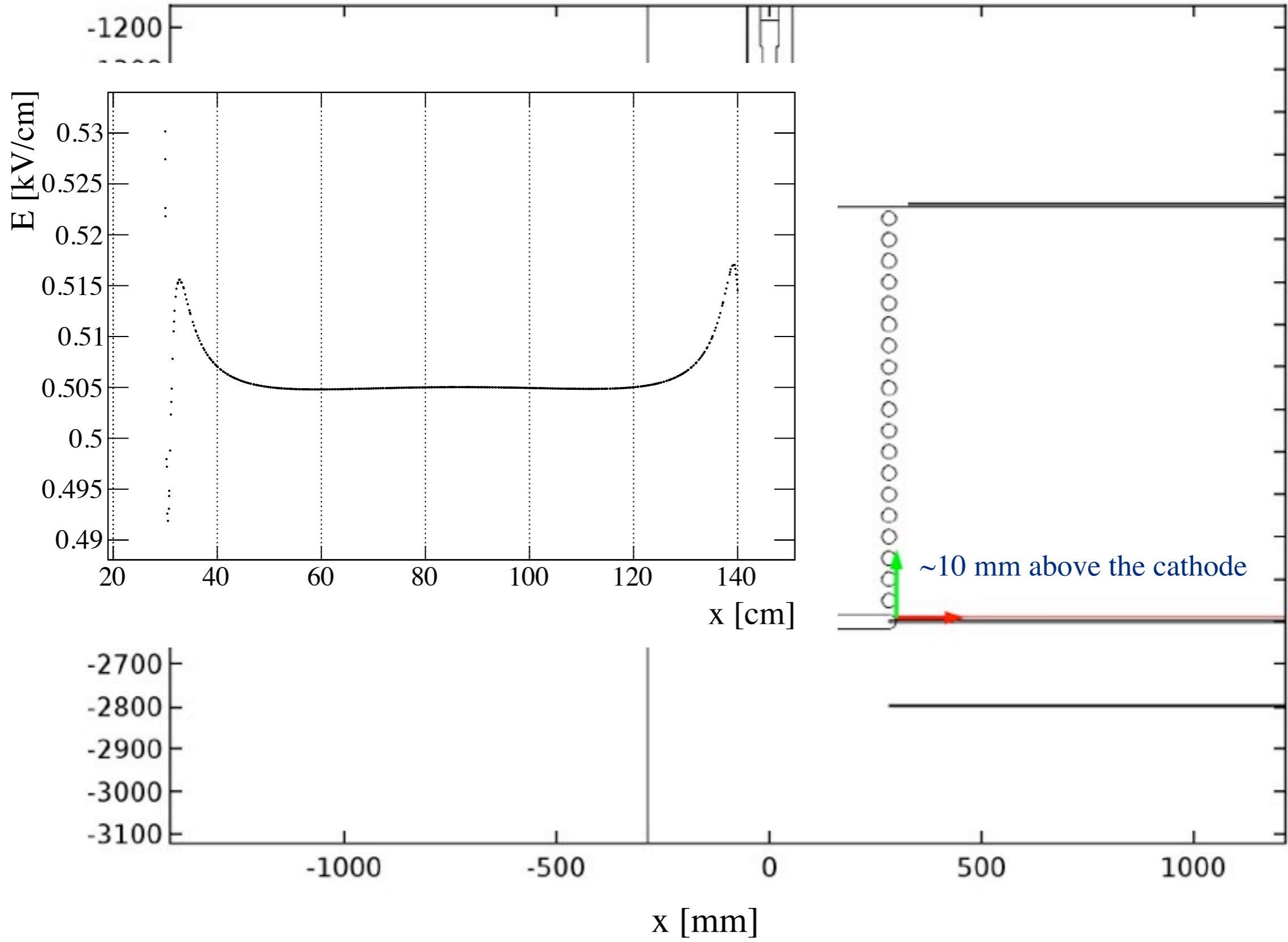




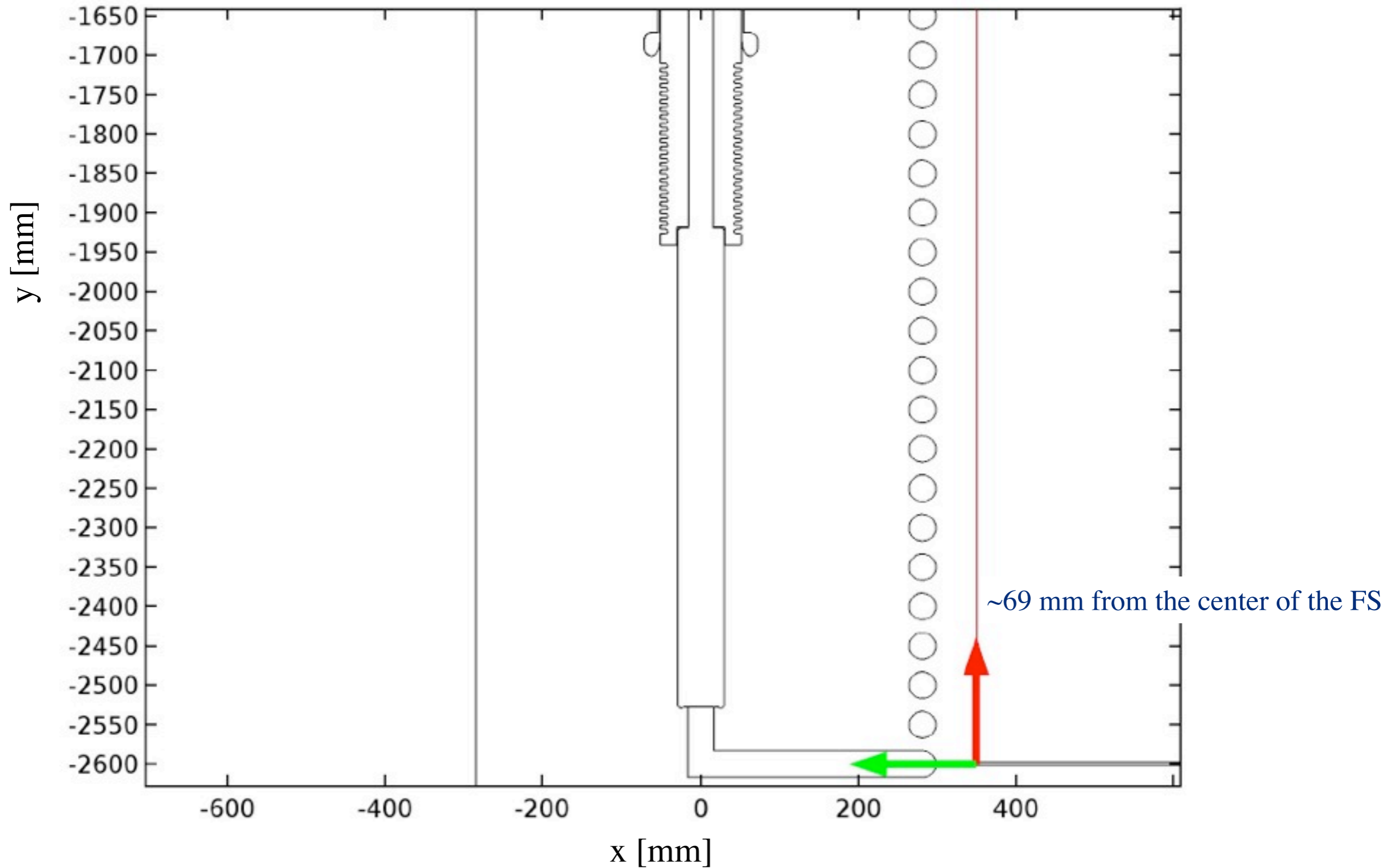




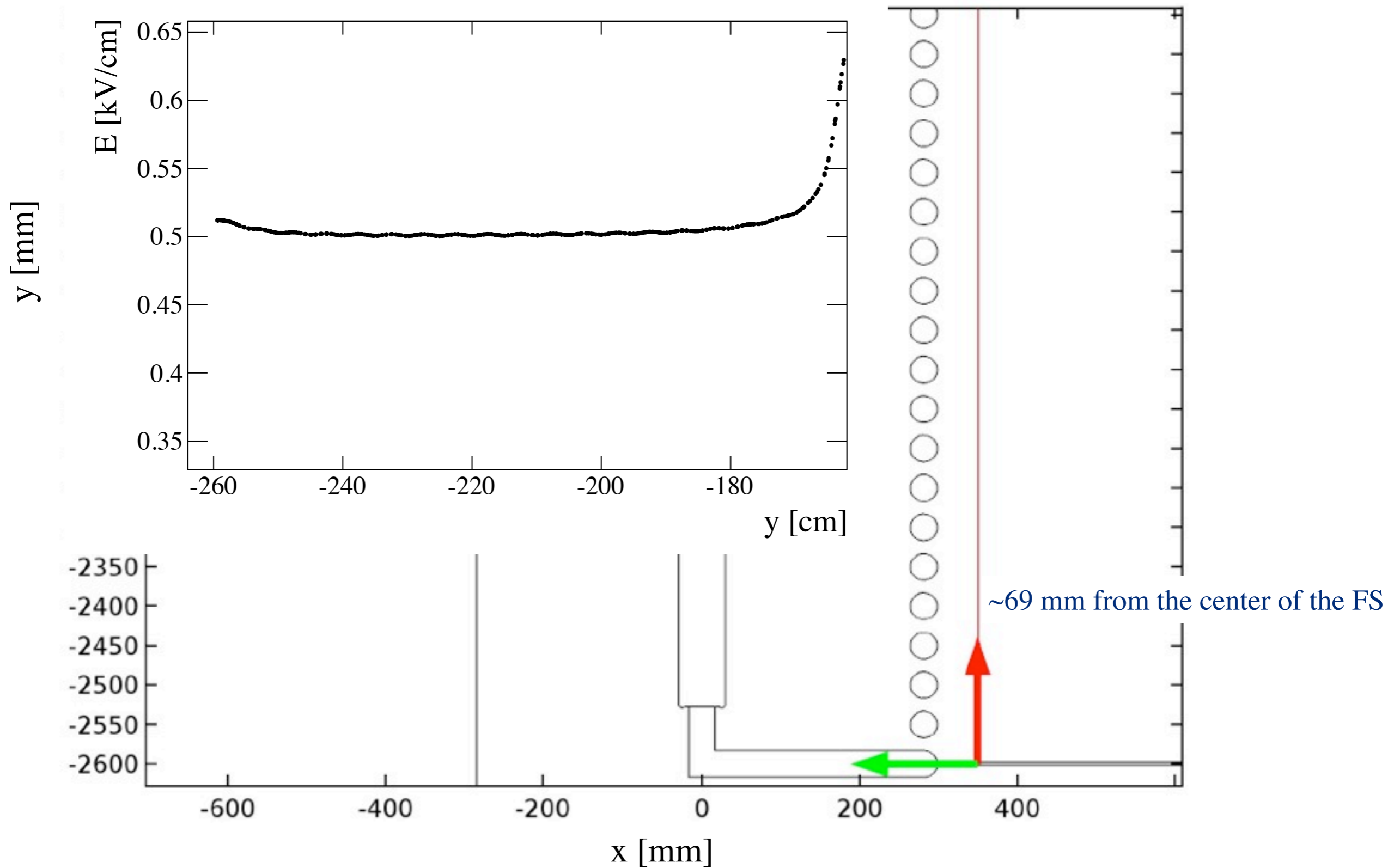


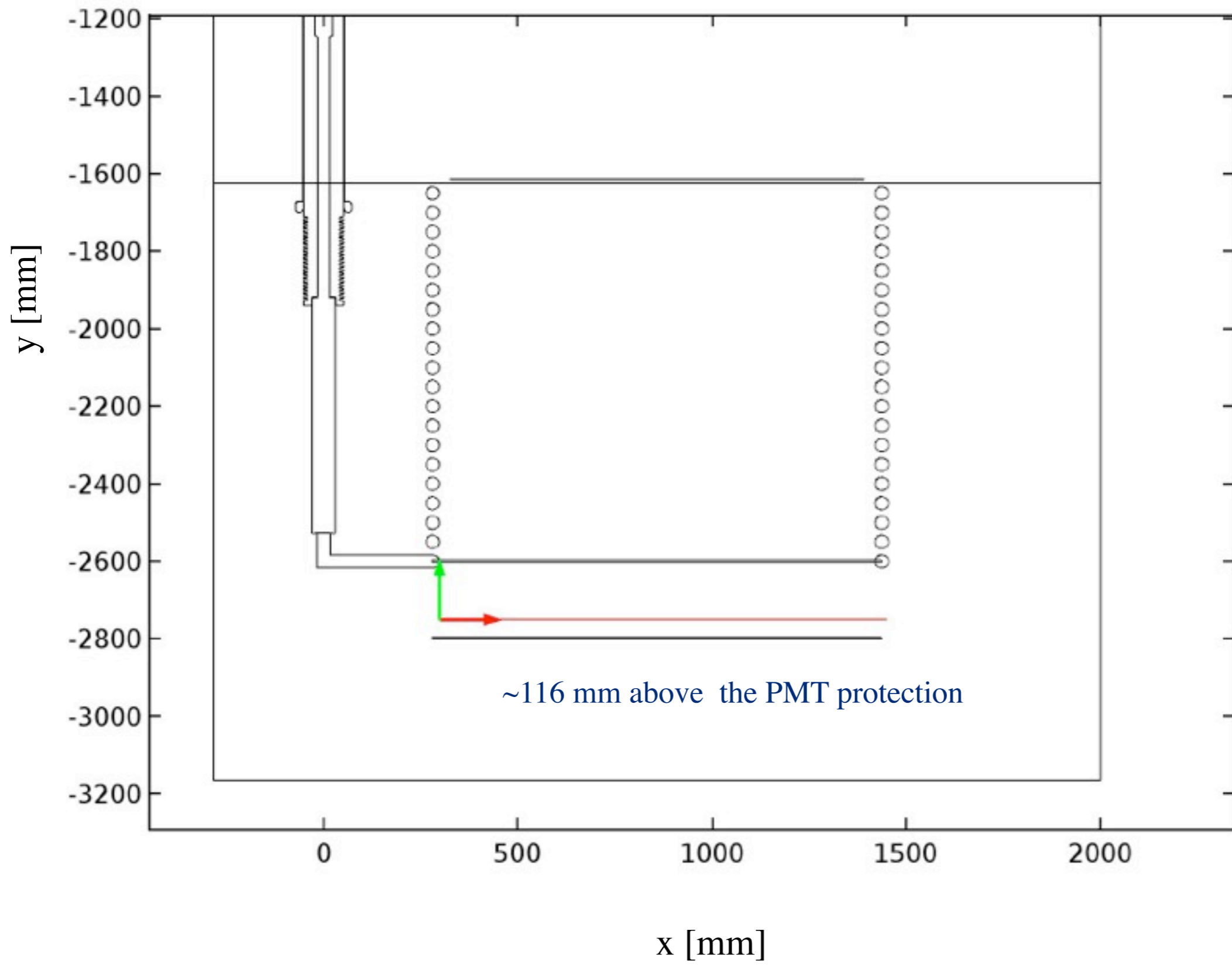


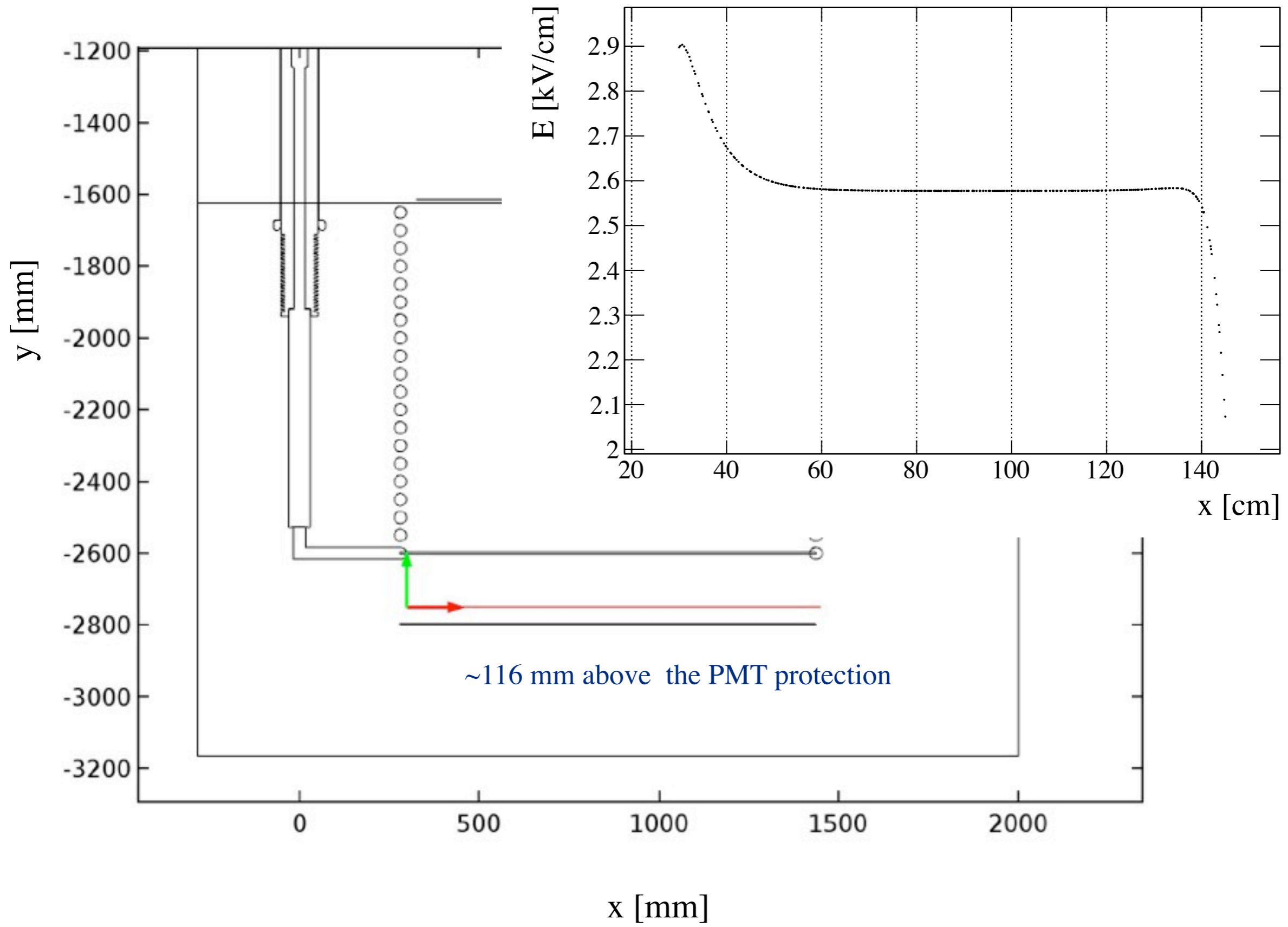
We perform the electric field in different regions of the setup to identify possibly critical regions



We perform the electric field in different regions of the setup to identify possibly critical regions







Next steps

- Include in the simulation the extraction grid, the LEM,... (work in progress)