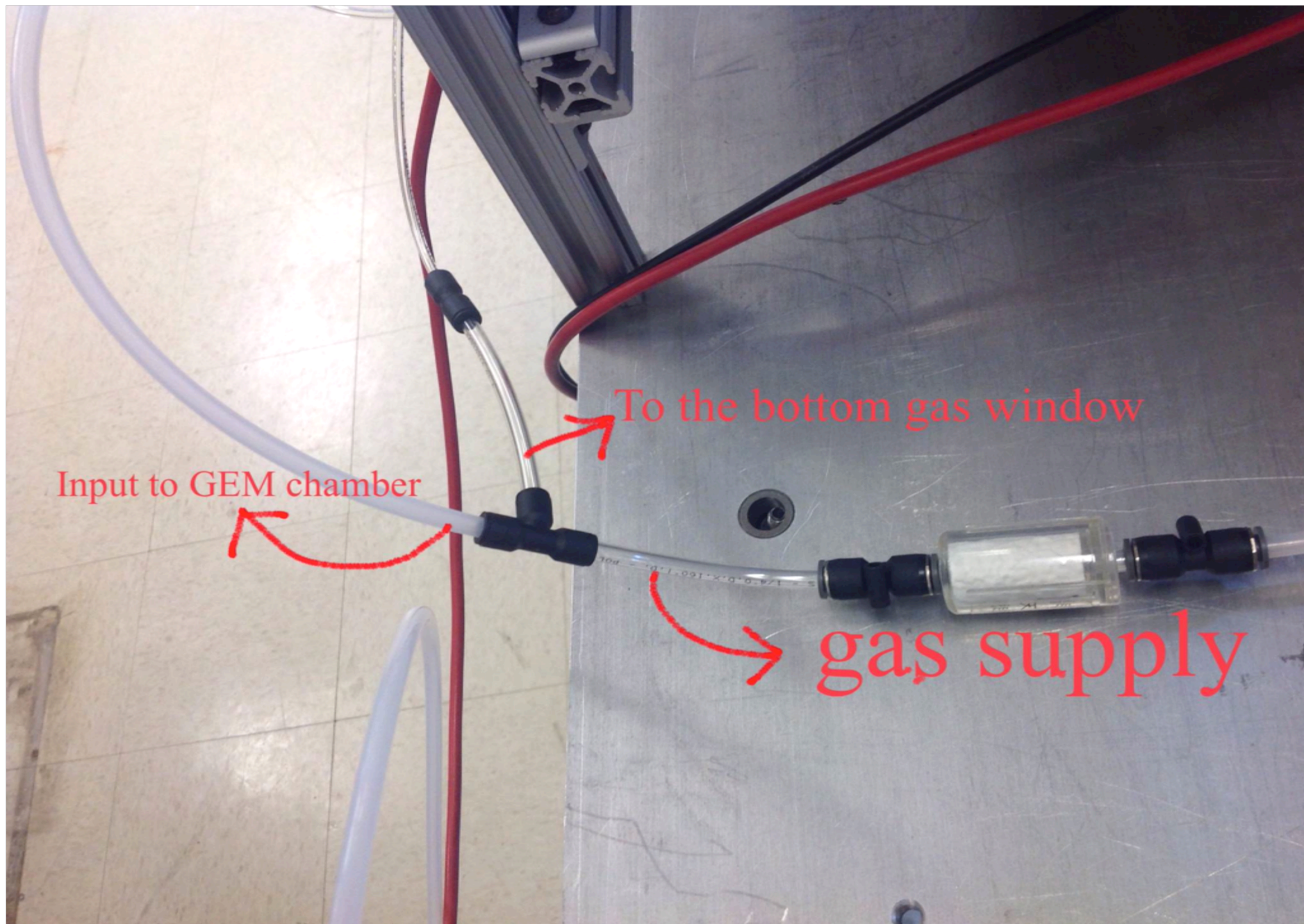


- A new gas window is installed under the honeycomb.
- The improved sbs60x50 prototype is tested under HV 4100v and flow rate 20 units, with the new gas window both connected and disconnected.
- The results shows that the new added gas window solves the deflection of the honeycomb very well.



To bottom gas window



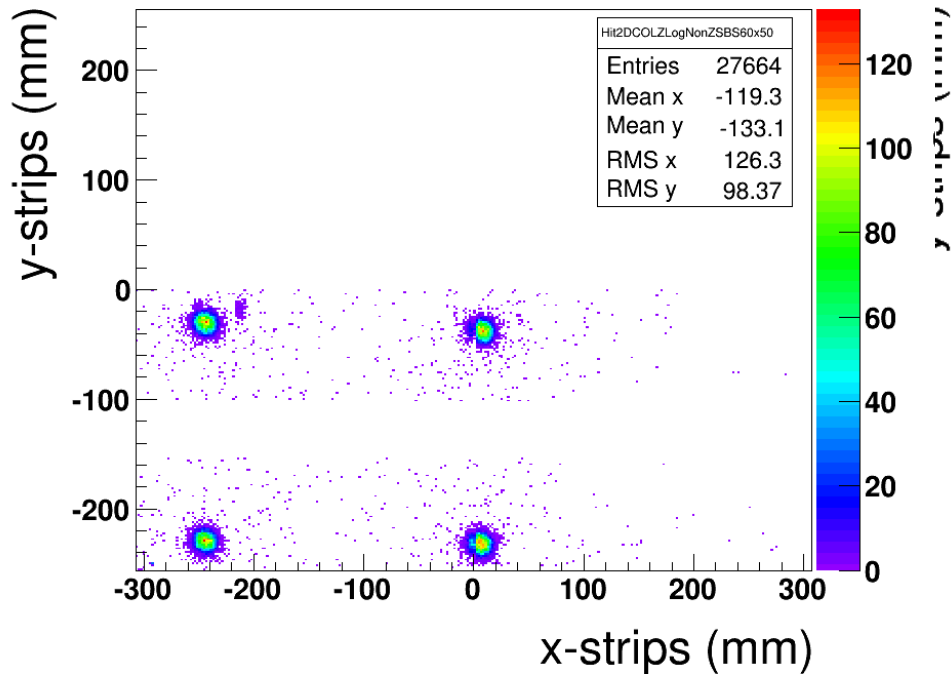
Input to GEM chamber

To the bottom gas window

gas supply

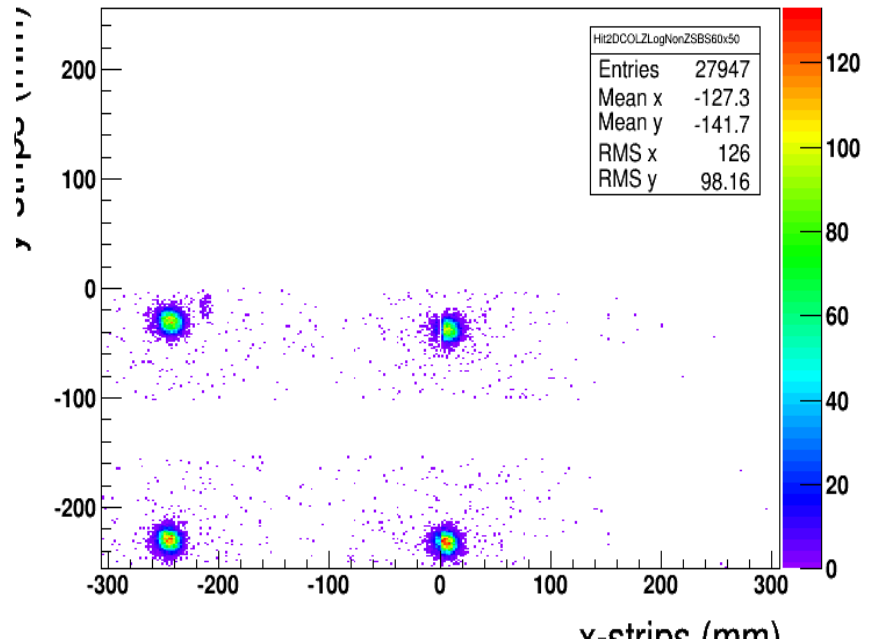
Hit map

SBS60x50: Hit Position Map



Bottom gas window
connected to gas
supply

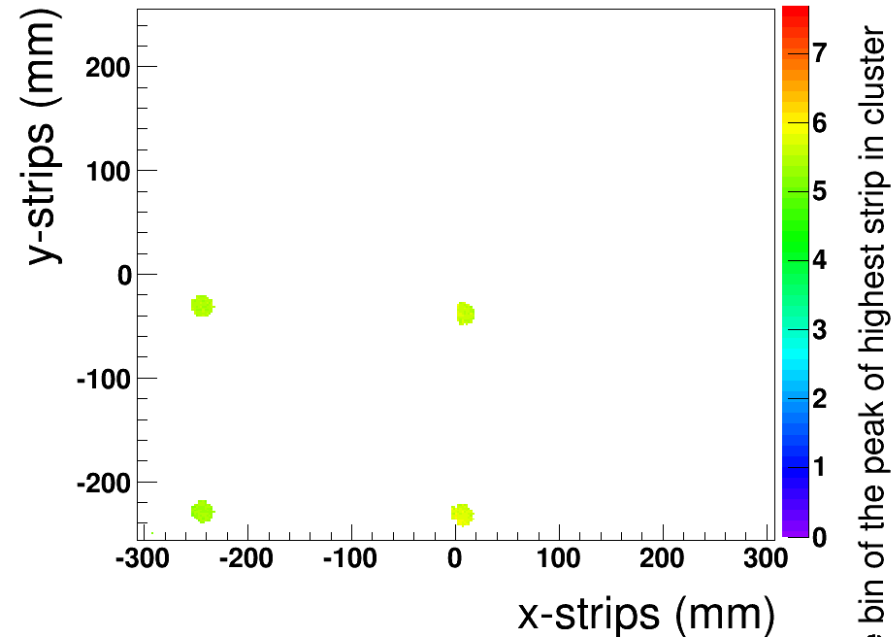
SBS60x50: Hit Position Map



Bottom gas window not
connected to gas supply

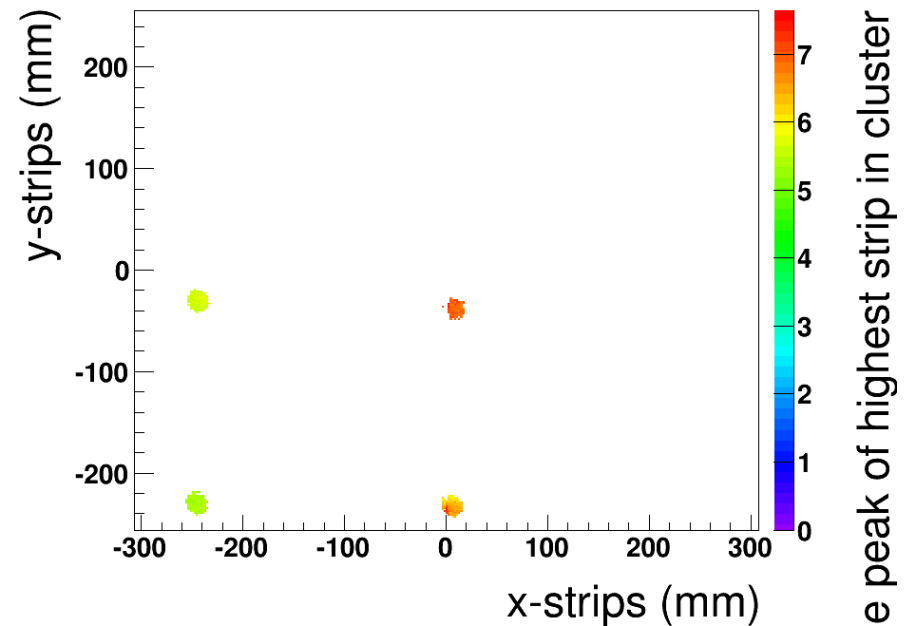
Peak signal's time bin Number

SBS60x50: Mean peak time bin vs.Hit Position Map



Bottom gas window
connected to gas
supply

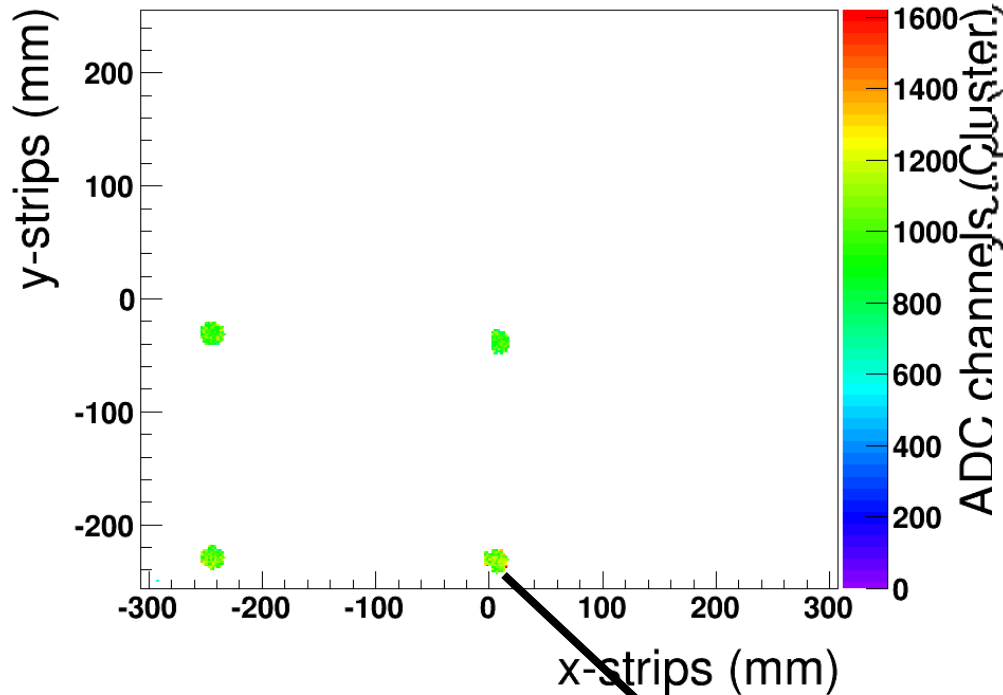
SBS60x50: Mean peak time bin vs.Hit Position Map



Bottom gas window not
connected to gas supply

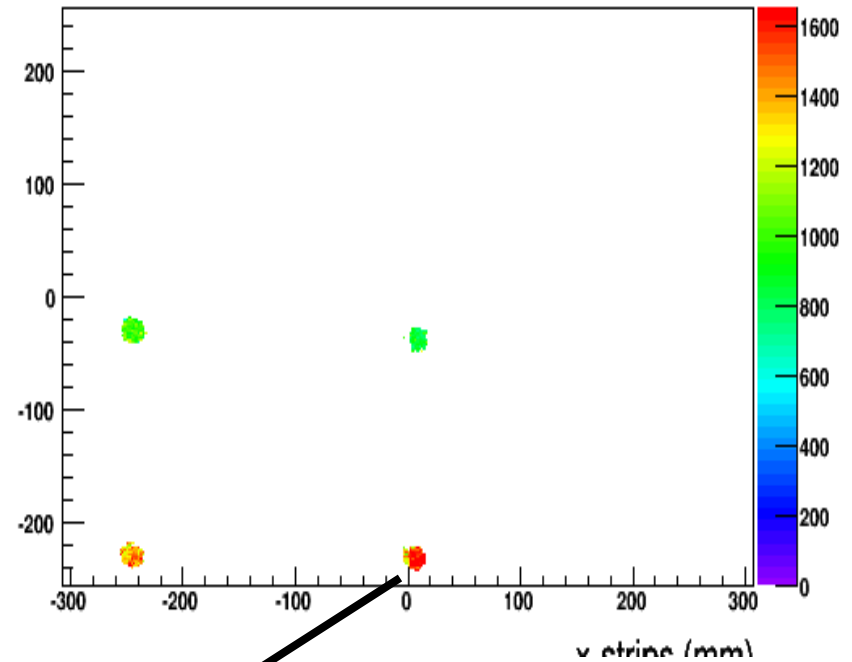
Avg. ADC

SBS60x50: Mean ADC vs.Hit Position Map



Bottom gas window
connected to gas
supply

SBS60x50: Mean ADC vs.Hit Position Map



Bottom gas window not
connected to gas
supply

The decreased Avg ADC when the new gas
window connected needs to be investigated