Subject: Field cage resistor chain location
Posted by Clemens Adler on Mon, 29 Nov 2004 12:43:23 GMT
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Hello everybody,
in the preparation of the test beam and in searching for noise, we realized, that the location where the ground connection of the field cage is sitting is not optimal.
The return current from the Drift HV (180 uA) has to be returned to the HV power supply. The connection of the HV is however at the side where the anode cables are comming out of the chamber.
The field cage (at least the last resistor and the cable coming out of the chamber) should therefore be moved to the side where the Anodes are coming out (but still the same side in z-direction).
We thought about it and did not find any reason why this could not be done, but if someone can think of any interference, please send a message to the forum.

cheers,
Clemens

Subject: Re: Field cage resistor chain location
Posted by Harald Appelshaeuser on Mon, 29 Nov 2004 14:10:07 GMT
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Dear Clemens,

I am not aware of a strong argument against your proposal. So it should be done as you proposed. Can you prepare a corresponding update of the conbstruction manual?

Regards, Harry

Subject: Re: Field cage resistor chain location
Posted by fateev on Tue, 30 Nov 2004 10:50:54 GMT
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Hello,
we solder the resistors on anode side.
ground from last resistor comes out next to anode side.
look at a drawing

cheers,
Oleg

File Attachments
1) ground drift HV.bmp, downloaded 1008 times

Subject: Re: Field cage resistor chain location
Posted by Clemens Adler on Tue, 30 Nov 2004 10:58:25 GMT

Hello,

thanks for the drawing Oleg, thats the right position.

cheers,
Clemens