From: Miriam Fitterer
To: Adriana Rossi; Blanca Vazquez De Prada; Miriam Fitterer
Subject: Re: Collimators around Q5
Date: 31 July 2015 12:30:33

Hello Adriana,

I now have the following positions for the collimators and masks. They are all installed symetrically now:
masks:
Q5: postclmb.5 = 200.041 ;
Q6: postclmc.6c = 223.017 ;
collimators:
D2 region:
postan = 128.9708 ;
postcth = 133.8008 ;!D2
postctv = 131.8008 ;!D2
Q4:
postcl.4 = 135.7408 ;
Q5:
postcl.5 = 198.281 ;
postctv.5 = 216.098 ;
postcth.5 = 218.098 ;
Q6:
postcl.6c = 221.257 ;

Could you please check if this now agrees with your values?

Many thanks!
Miriam

On 30/07/15 17:11, Miriam Fitterer wrote:

> Hello Adriana,
>
> Q4, Q5 and Q6 stayed exactly at the same position as in HLLHCV1.1. For Q4 this is not the position Blanca put in the excel file. In our sequence file we have: 177.6 m, while in Blancas excel file I find 180.722.
>
> Cheers,
> Miriam
>
> On 30/07/15 16:49, Adriana Rossi wrote:
>
> > Could you please tell me by how much Q5 and Q6 moved w.r.t. HL-LHCv1.1?
> > Tx
> >
> > ---
> >
> > Adriana Rossi CERN BE/ABP
> > Tel: 0041 (0)22 767 5978
> > Mobile 0041 (0)75 411 3263

Mail: Adriana.Rossi@cern.ch

From: Blanca Vazquez De Prada <blanca.vazquez.de.prada@cern.ch>
Date: Wednesday 29 July 2015 17:25
To: Adriana Rossi <Adriana.Rossi@cern.ch>, Miriam Fitterer <Miriam.Fitterer@cern.ch>
Cc: Stefano Redaelli <Stefano.Redaelli@cern.ch>, Riccardo De Maria <Riccardo.De.Maria@cern.ch>
Subject: RE: Collimators around Q5

Hello Adriana,

Here you have a sketch representing as I understood the left and right side (from Q5 to Q6). It means the magnetic centres of the magnets are symmetrical respect to the IP and then I kept the rest of the distance between the other elements. This is that you have to confirm me for giving the positions to Miriam.

If you can please, have a look and tell me if I am right or not.

Regards,
Blanca

From: Adriana Rossi
Sent: 29 July 2015 15:24
To: Blanca Vazquez De Prada <blanca.vazquez.de.prada@cern.ch>; Miriam Fitterer <Miriam.Fitterer@cern.ch>
Cc: Stefano Redaelli <Stefano.Redaelli@cern.ch>; Riccardo De Maria <Riccardo.De.Maria@cern.ch>
Subject: Collimators around Q5

Dear Blanca and Miriam

I have discussed with Stefano: the Q5 should be centred around the magnetic axis of the Q5 main magnets (MQY I think it is called) as requested by optics (Miriam). Therefore, contrary to what initially said with Blanca, the centres of the Q5 main magnets (and not the cryostats) should equidistant from the IP. This implies that cryostats are not symmetric on the left and right hand side of the IP and all collimators (TCL and TCT) will not be at the same positions. For the TCT it should not matter, for the TCL I will have to verify with the FLUKA team that the simulations they have performed on physics debris are valid for both positions, since both the longitudinal position and the distance from the the MQY varies.

I hope it is clear, if not please do not hesitate to contact me
Ciao

Adriana

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