Email Andrea Gaddi with files of Endcaps done by Boki, The parameter drawing is from 2000

Date: Wed, 8 Oct 2014 15:16:40 +0200

From: Andrea Gaddi <Andrea.Gaddi@cern.ch>

To: Anton Dimitrov <Anton.Dimitrov@cern.ch>

Cc: Nebojsa Smiljkovic <Nebojsa.Smiljkovic@cern.ch>,

 Wolfram Zeuner <Wolfram.Zeuner@cern.ch>,

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 Pierluigi Paolucci <Pierluigi.Paolucci@cern.ch>,

 Ian Crotty <crotty@mail.cern.ch>

Subject: Re: Drawings for RE3/1 and RE4/1 envelope

Parts/Attachments:

 Dear Anton,

A folder inÂ \\cern.ch\dfs\Workspaces\c\cmsintegration\3DÂ Models\RPC upgrade

has been created by Boki.

Here there are three .stp CATIA 3D models of the RE4 and RE3 regions, plus

two .pdf files.

We hope the material is convenient for the study you have to do on the new

RE4/1 and RE3/1 chambers.

We stay at your disposal for any further request.

Best regards, Andrea

 From: Andrea Gaddi

 Sent: 10 September 2014 14:18

 To: Anton Dimitrov

 Cc: Nebojsa Smiljkovic; Wolfram Zeuner; Stephane Bally;

 Salvatore Buontempo; Andrea Gaddi

 Subject: Re: Drawings for RE3/1 and RE4/1 envelope

Dear Anton,

According to the Endcap parameter drawing attached to this mail, the

longitudinal gap between the CSC chambers and the YE disks is the

following:

YE3 disk 9775mm - ME3 envelope 9642mm = 133mm, of those 63mm are taken

by the YE3 shield between Rin=1370mm and Rout=2415mm -> clearance 70mm

YE4 disk 10680mm - ME4 envelope 10547mm = 133mm, of those 63mm are

taken by the YE4 shield between Rin=1740mm and Rout=2500mm ->

clearance 70mm

All these numbers are with magnetic field-off.

The 3D model by Boki shows a slightly larger clearance (around 87mm)

due to the fact that the CSC may stay few mm inside their nominal

envelope.

In case of need, you can ask Boki to prepare a Catia assembly with the

relevant parts (YE disks 3 & 4, ME stations 3 & 4, shielding) for your

engineer.

Best regards, Andrea