Discussion on proptotype work done between Saleh and Ian on the 25 August 2014 (?)

Modified email, by ian

Email on the 28 aug 2014

Date: Wed, 27 Aug 2014 00:11:00 +0200

From: Saleh Muhammad <Saleh.Muhammad@cern.ch>

To: Ian Crotty <ian.crotty@cern.ch>

Subject: Our meeting summary

Parts/Attachments:

 1.1 OK ~47 lines Text (charset: ISO-8859-1)

 1.2 Shown ~48 lines Text (charset: ISO-8859-1)

 2 9.4 KB Application, "GE11 mock-up in 904.xlsx"

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Dear Ian,

As we discussed the 904 GE1/1 mock-up. There are five areas of study, they are;

1. Super chamber Patch Panel: Ian and Saleh will prepare the initial

version that Antonio will use to generate an accurate 3D model that will define at least one of the dimensions of space for the OH board. The electronics experts will put the OH in this proposed space.

2. Gas system: To measure the real impedance in the GE1/1 chambers.

One GE1/1 detector will be used, this is available in TIF (showed by Brian). We will then estimate the impedance of a series of 6 chambers.

3. Cooling study for worse case using resistors to generate the heat ~50watt

per chamber.

4.Â Cooling study of VFAT and OH as per the real case inside an Isothermal enclosure.

5. Wood structure on steel/Alu frame will be built to install four GE1/1 chambers to simulate as closely as possible the service issues in P5.

Initial component list is in attachment.

Best regards, Saleh