WG2: RD51 Common Projects 2012

2012: 4 Projects has been submitted for evaluation Management Board Met in December 2012 → ALL PROPOSALS ARE VERY INTERESTING

- R&D on large area GEMs for the ALICE TPC upgrade (GSI/ Tokyo / UNAM)
- → APPROVED
- > 2D-MHSP and 2D-THMHSP for medical applications (Aveiro/Coimbra)
- → NOT APPROVED (only 2 institutes and allowed the maximum budget is already requested in another Common Proj.)
- > High resolution UV scanner for MPGD applications (Wigner FCP/INFN Trieste/ INFN Bari)
 - → APPROVED
- > Large-area THGEM detector evaluation with SRS electronics (Weizmann/Coimbra/Aveiro)
 - → APPROVED

IF no CB comments → we'll inform groups about the RD51 decision

WG5 - Electronics & Scalable Readout Systems

Legal documents required for SRS distribution to the RD51 institutes are finalized

Caveat: situation only resolved for countries, which does not require license, based on "Commerce Control List" (cat. NS2) – mostly Europe, Switzerland & few others

Institute Name

[Street Address] • [City], [Postal Code] Phone: [Your Phone] • Fax: [Your Fax] • E-Mail: [Your E-Mail] Web: [Web Address]

Date: [Insert Date]

CERN

The European Organization for Nuclear Research Attention: Philippe Faithouat Co: Alessandro Marchioro PH-ESE CH 1211 Geneva 23 Switzerland

SUBJECT: Letter of Compliance Concerning Deep-Submicron Technology Circuits

Dear Sirs,

As an authorized representative of [Institute Name], I herewith confirm that [Institute Name] understands and agrees to comply with the provisions listed hereunder governing any and all integrated circuits manufactured in Deep-Submicron technology and made available to us by or on behalf of CERN ("the circuits"):

- (1) Notwithstanding any other agreement or understanding entered into by [Institute Name]. The [Institute Name] assumes responsibility in full for any loss, damage, fine or penalty incurred as a result of its failure to comply with these provisions:
- (2) The [Institute Name] shall use the circuits exclusively for scientific research purposes and shall not transfer or (re)sell them for any other purpose;
- (3) The [Institute Name] shall not cause the circuits to meet or exceed all (that is, cumulative) five of the following characteristics:
 - (a) a total dose of 5 x 10⁵ Rads (Si);
 - (b) a dose rate upset threshold of 5 x 10 a Rads (Si)/sec;
 - (c) a neutron dose of 1 x 10 th n./cm2 (1 MeV equivalent);
- (d) a single event upset rate of 1 x 10⁻¹⁰ errors/bit-day or less, for the CRBMB96 geosynchronous orbit, Solar Minimum Environment;
- (e) single event latch-up tree and having a dose rate latch-up threshold of 5×10^8 Rads (Si).

SRS Distribution Procedure;

- > Every institute has to sign "Letter of Compliance" with RD51 spokes
- Order your SRS systems/hybrids from CERN Store

➤ Pick-up hybrids from A. Marchioro office (PH-ESE-ME, 77319)

RD51 Future (beyond 2013):

- ➤ The initial validity of the present RD51 MoU covers the period until the 31st of December 2013
- ➤If RD51 would like to continue beyond 2013 → need to ask for extension LHCC and CERN Research Board (RB);
- ➤ Preliminary discussions with LHCC → will not need to write new RD51 proposal → prepare executive summary (10-15 pages) to describe future RD51 program
- ➤ Received a lot of contributions from individual groups and RD51 WG conveners THANK YOU FOR ALL YOUR INPUTS!
- ➤ Document to be submitted to the LHCC in the March of 2013 → extension discussed/(approved) by LHCC/RB in March/June 2013

Future RD51 Collaboration Activites (beyor 1997)

➤ Generic R&D (new structures, ideas, detector physics) (WG2)

Jects

- Applications new proposal: organization of workshops disseminating MPGD applications beyond fur ρhysics, ...) (WG3)
- > Development and Maintenance of the Software support for the RD51 _ *** Con Tools; basic studies &
- ➤ Development and Maint Control (WG5)
- > MPGD Industrializa (WG6)
- students a areas of the i

g – new proposal: organization of schools for academic training outside CERN, covering specific activities