**De :** NAPOLY Olivier <Olivier.Napoly@cea.fr>   
**Envoyé :** lundi 15 février 2021 16:44  
**À :** Elvin R Harms Jr <harms@fnal.gov>; Mark Zientarski <markz@fnal.gov>; Arkadiy L Klebaner <klebaner@fnal.gov>; Matthew Quinn <mquinn@fnal.gov>; Jerry R Leibfritz <leibfritz@fnal.gov>; Genfa Wu <genfa@fnal.gov>; Cristian Boffo <crboffo@fnal.gov>; Adam Olson <aolson@fnal.gov>; Joseph P Ozelis <ozelis@fnal.gov>  
**Cc :** SIMON Claire <claire.simon@cea.fr>; JENHANI Hassen <hassen.jenhani@cea.fr>; PIQUET Olivier <olivier.piquet@cea.fr>; BELORGEY Jean <jean.belorgey@cea.fr>; BERRY Stéphane <stephane.berry@cea.fr>; BAZIN Nicolas <nicolas.bazin@cea.fr>; ARSENYEV Sergey <sergey.arsenyev@cea.fr>  
**Objet :** RE: Cryomodule RF tests – \*\*\* ONE TIME DATE CHANGE\*\*\*

Dear colleagues

After receiving comments, here is the final version of the meeting notes.

1. All 650 cryomodules tested at Fermilab are planned to be tested in PIP2IT
2. FOX detectors will be used for XRAY instrumentation at Fermilab. They will not be used for safety interlock
3. In the medium term, they will be equipped with new electronics developed by Fermilab, more amenable for fabrication at partner labs
4. There are currently 10 FOX detectors in PIP2IT.
5. The number of FOX detectors needed to instrument LB650 cryomodules (4 cavities) is minimum 6 + 2 spares. More work is needed to finalize this number (e.g. HB650 pCM test)
6. **Action 1**: Fermilab will refine its inventory and evaluate the availability of FOX detectors in the years 2024-2026
7. **Action 2**: CEA will communicate the type and description of the commercial detectors used for instrumenting ESS RF tests.
8. Two paths remain opened: 1° ) FOX detectors are used at Fermilab and at CEA-Saclay, with ‘identical’ ground geometry; 2°) FOX and commercial detectors are cross-calibrated w.r.t. signal onset, acceptance, energy threshold, rates, etc… to provide equivalent measurements at both sites.

        With my best regards

                  Olivier Napoly

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-----Rendez-vous d'origine-----  
**De :** Arkadiy L Klebaner [<klebaner@fnal.gov>](mailto:klebaner@fnal.gov)   
**Envoyé :** lundi 8 février 2021 19:01  
**À :** Arkadiy L Klebaner; NAPOLY Olivier; Elvin R Harms Jr; ARSENYEV Sergey; Matthew Quinn; Jerry R Leibfritz; Genfa Wu; Cristian Boffo; Mark Zientarski; Adam Olson; Joseph P Ozelis  
**Cc :** SIMON Claire; JENHANI Hassen; PIQUET Olivier  
**Objet :** Cryomodule RF tests – \*\*\* ONE TIME DATE CHANGE\*\*\*  
**Date :** vendredi 12 février 2021 09:00-09:30 (UTC-06:00) Centre (É.-U. et Canada).  
**Où :** <https://fnal.zoom.us/j/6308408357?pwd=MjRnUXk1Y28xbHN2OE83UnB5RVphZz09>

Dear, All:

We will meet this Friday at 9 am CST, 16:00 Paris to discuss use of FOX detectors for the PIP-II CM testing. **Please note that the meeting will be held on a different date.**

Topic: **Cryomodule RF tests**

Join Zoom Meeting <https://fnal.zoom.us/j/6308408357?pwd=MjRnUXk1Y28xbHN2OE83UnB5RVphZz09>

Meeting ID: 630 840 8357

Best regards, Arkadiy