

QUESTIONNAIRE ABOUT FPC DEVELOPMENT FOR HEP

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FPC

subtoni



First answers...

- Basically contacted all participants of WWFPC meeting, which usually takes place every year at CERN to bring together fundamental power coupler experts \rightarrow not this year \otimes CERN
- Used the list of questions developed by Giovanni and Peter •

Three answers so far, but was initiated only about two weeks ago...

CERN	Eric Montesinos
DESY	Denis Kostin
КЕК	Yasuchika Yamamoto
RIKEN	Kazutaka Ozeki
IHEP	Tong ming Huang
LAL	Walid Kaabi
IPNO	Emmanuel Rampnoux
BNL	Wencan Xu
IBS	Ilkyoung Shin
CEA	Guillaume Devanz
Cornell	Vadim Veshcherevich
JLAB	Mircea Stribet
ORNL	Yoon Kang
FNAL	Sergey Kazakov
SLAC	Chris Adolphsen
HZB	Emmy Sharples
IMP-CAS	Tiancan Jiang

QUESTIONNAIRE



First findings...very preliminary

- FPC development seems mainly to be project driven and the main research direction the laboratory is involved in. There is no real generic FPC development on-going.
- Any FPC system is adapted to its project requirements, cavity and module layout plus assembly strategy
- There is an interest by the experts of the labs to continue in FPC development (for HEP), but this does not necessarily reflect the lab research directive
- Various labs have quite some infrastructure, as FPC+(S)RF cavity teststands, cleanroom facilities, mechanical workshops, material test facilities (microscopes, surface analysis), ovens, module teststands
- Funding is also mostly project based, there is only little funding for generic R&D
- Personnel from 1.5, 3 up to 5 FTE, which maybe also varies about the way, how people are counted
- This is only for 3 out of 17 labs, of which only 6 are located in Europe (is this a complete overview?)
- The labs involved are mainly from the HEP and also SRF community. Eventually expanding on lightsources would add more systems (even though often R&D is limited at those facilities)?