

DRD1 proposal

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DRD1 Community Meeting



DRD1

DRD1 EXTENDED R&D PROPOSAL Development of Gaseous Detectors Technologies

Abstract

The document provides an overview of the state of the art and challenges for various detectors concepts and technologies, as well as a detailed list of R&D tasks grouped into Work Packages (WPs) that relate to the strategic R&D programs to which funding agencies might commit, with related infrastructures and tools necessary to advance the technological goals, as outlined in the ECFA R&D roadmap. The main DRD1 document is structured into chapters, each describing the activity planned by the eight Working Groups (WG), which are the core of the future scientific organization. The current DRD1 proposal concentrates on the collaborative research program for the next 3 years.

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Different gaseous detectors communities together:
state of the art and future challenges

Huge Work

Great achievement

Reference document for the future

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Research topics and Work plan

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WG2 - Applications: F. Garcia, P. Gasik, F. Grancagnolo, D. Gonzalez Diaz, G. Aielli, G. Pugliese, R. Farinelli, I. Laktineh

WG3 - Gas and material studies: B. Mandelli, G. Morello, F. Renga, K. Dehmelt, S. Roth, D. Piccolo, A. Pastore, B. A. Gonzalez

WG4 - Detector physics, simulations, and software tools: M.Abbrescia, M. Borysova, P. Fonte, O. Sahin, P. Verwilligen, R. Veenhof

WG5 - Electronics for gaseous detectors H. Muller, J. Kaminski, M. Gouzevitch, R. Cardarelli, Sorin Martoiu, Marco Bregant, Michael Lupberger

WG6 - Detector production: R. De Oliveira, F. Jeanneau, A. Delbart, G. Iaselli, I. Laktineh, G. Charles

WG7 - Common test facilities: Y. Tsipolitis, E. Oliveri, R. Guida, G. Iaselli, A. Ferretti

WG8 - Training and dissemination: F. Brunbauer, M. Iodice, E. Baracchini, B. Liberti, A. Paoloni

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