

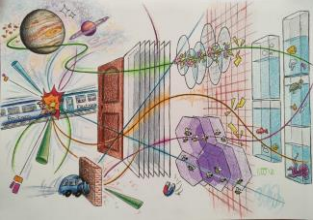


Introduction

Eva Vilella

University of Liverpool

on behalf of the DRD3 proposal writing team

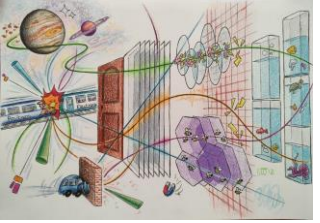


Goals of DRD3 WG1

DRD3

- Strategic R&D on monolithic CMOS sensors to tackle the challenges of
 - Very high spatial resolution
 - High precision timing
 - High radiation tolerance
 - Low mass
 - Reduced granularity also when covering very large areas
 - Power
 - Cost
- Aimed at tracking and calorimetry applications
- Explore timing layers and 4D tracking
- Explore passive CMOS designs as a complement to standard sensors towards hybrid solutions
- Explore state-of-the-art CMOS imaging sensors technology for suitability in tracking and vertex applications





Goals of today's session

DRD3

Two short talks

- Strategic R&D (next talk, 15 mins)
 - As per ECFA R&D roadmap
 - Propose a model to establish deliverables
 - Estimate the cost of this R&D
- Community research interests in CMOS (last talk, 10 minutes)
 - As per inputs provided in questionnaires + mapping with strategic goals

Leading to a 45 minutes general discussion

- To collect first feedback to tune the proposal

Finishing with a 15 minutes slot on relationship between DRD3.1 and DRD7.6

- 5 minutes slides + opportunity to ask questions and discuss for 10 minutes

Please respect the allocated time

Introduction	Eva Vilella Figueras
222/R-001, CERN	11:00 - 11:05
Toward a DRD3.1 deliverables/milestones implementation proposal	Didier Claude Contardo
222/R-001, CERN	11:05 - 11:20
Community research interests	Eva Vilella Figueras
222/R-001, CERN	11:20 - 11:30
General discussion	
222/R-001, CERN	11:30 - 12:15
Interaction between DRD3.1 and DRD7.6	Eva Vilella Figueras et al.
222/R-001, CERN	12:15 - 12:30