High-granular Multi-dimensional detectors

Receive BMBF funds
Receive other funds

AP1: 4D tracking
Garutti

Fast timing layers

AP1.1 Highly segmented sensors
Galatyuk, Quadt

AP1.2 Timing layer application
Garutti, Gregor

AP1.3 Ultimate time resolution
Galatyuk, Gregor, Hofmann

AP2: 5D calorimetry
Lacker

Scint. / Cherenkov

AP2.1-3 WOM – LS
Bretz, Lacker, van Waasen, Fischer, Schumann, Wurm

AP2.4 CheapCal
Lacker, Issever, Brinkmann, Büscher, Wanke, Paul

AP2.5 SplitCal
Büscher, Wanke

AP3: Cross-disciplinary activities

AP3.1 Reconstruction algorithms for Md detectors (ML)
Garutti, Paul

AP3.3 Scintillating-Fiber-Tracker
Aumann, Paul

AP3.2 Digital ECAL
Issever, Worm

AP3.6 High-throughput DAQ
Fischer, Paul, Schumann

AP3.5 Multi-purpose ASIC receiver chain
van Waasen. Bretz

AP3.4 New Materials
Brinkmann

AP3.7 SiPM research
Bretz, Garutti

AP4: Radiation effects

AP1.5 CPS response to ions
Masciocchi, Stachel

AP4.1 Simulation and measurements of N_{eff} CPS, LGAD, SiPM
Deveaux, Garutti, Stroth

AP4.2 Measuring SEE in CPS and Optical transceiver
Deveaux, Stroth