

PION SHOWERS IN HIGHLY GRANULAR CALORIMETERS



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- simulations at an unprecedented level of details
- · FTF based models agree with data within 5-10% and show the best overall performance (8 - 80 GeV)
- QGSP_BERT physics list gives better description of test beam data than LHEP
- · The agreement between PandoraPFA reconstruction of real test beam data and MC simulation demonstrates the reliability of MC simulation done for the full size detector (CALICE Coll., 2011 JINST 6 P07005)

· AHCAL and SiW ECAL are building new prototypes evaluating technical solutions for the final detector: optimised granularity, realistic dimensions, integrated front-end electronics, small power consumption



tests are already done

RPC-Fe semiDHCAL





Both DHCALs worked amazingly well in test beams at FNAL and CERN

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