DOMA Data management Gordon/Emma/Mason Data formats · worldwide distribution • ROOT I/O · iDDS, ServiceX · Parquet, Arrow Language/expression · end-to-end analysis syntax vs embedded conversion Jim functional, declarative · replication · combinatorics, iden Mark/Ben **Event processing** Scalable systems · flat formulæ · scheduling (Spark, Parsl) Henry · caching reductions · predicate push-down Histogramming · #user scaling, security · fast-filling user interface · combining (hadd) · monitoring, support · plotting, fitting interface · real systems (Coffea · multihistogram projection Jim stuff ≈ event processing **Kyle** Reproducibility/recasting Fitting · end-to-end encapsulation simple fits (ergonomics) · multihistogram (e.g. pyhf) · distributed deployment · fit-driven workflow · language?

(e.g. Gaussian process)