



L1Calo CMake Experience

- Conversion of L1Calo from CMT to CMake ~complete
 - Simple stuff (libraries, applications) was all quick and easy
 - TDAQ web page by Reiner is very clear and comprehensive
 - However we had plenty of custom CMT fragments
 - Several code generators, OKS creation, various special actions, etc
 - All these required really learning CMake and creating our own CMake functions (based on the TDAQ examples)
 - But CMake is generally more sensible and consistent than CMT
 - Moving to a later version was seamless - no weird new CMT bugs to cope with
 - Though CMake lacks some introspection: fewer useful "cmt show xxx" type commands
 - Building everything at once is faster - but harder to send package errors to its author
- Total conversion time: simple ~2 days, rest ~2 weeks (or more)
- Started to look at build and test (CDash, virtual machines etc)
 - Not got very far - distracted by other priorities
 - Still have to convert to git and look at gitlab continuous integration etc
 - Set of CMT based nightly, test rig and point 1 build scripts to update...