

# Patatrack Hackathon Day 1 - Riemann Fit - MR, VV

- This afternoon: finished integration of updated Riemann Fitter  
[RecoPixelVertexing/PixelTrackFitting/src/PixelFitterByRiemannParaboloid.cc](#)
  - Removed some global variables
  - Some code idiosyncracies still in place

# Next up: Testing!

- Try to add some integration tests both in FCCSW and CMSSW
  - For use in FCCSW, integrate code in TrickTrack
    - <https://github.com/HEP-SF/TrickTrack>
- Compilation with different Eigen / compiler version fails some eigen asserts, investigating for possible bugs