

Advanced Tracking Tools

F.Gaede, DESY

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- aidaTT
 - moved code to Github: <https://github.com/AIDAsoft/aidaTT>
 - replaced gsl with Eigen library for vector and matrices
- MarlinTrk (LC tracking interface using aidaTT)
 - SiD adopted tracking code developed for CLICdp (all silicon tracker)
 - CLICdp continued to improve pattrec:
 - add map with topological information on sensors to DDRec
 - eventually would like to improve navigation on surface geometry
 - started to address issue with cellID encoding
 - needs to become a singleton class in DDRec

```
static const std::string ILDCellID0::encoder_string =  
    "subdet:5,side:-2,layer:9,module:8,sensor:8" ;
```

LAL

- made ACTS test framework multithreaded
 - see talk in last phone meeting (H.Grasland)
- focused on conditions framework in last month

DESY

- started to look into ACTS examples with DD4hep for CLICdp and FCC
- see if ACTS can be merged/included with/in aidaTT
 - have some generic patrec code in aidaTT