

Task Area 3: Data analysis procedures and services

ML and Analysis Tools for Large Datasets

Bonn, LMU, Goettingen, DESY, Lattice

*(“DESY” Framework -> TA1 (low level), TA3 stays (ML on hardware))
(including automated compilation methods)*

Reproduction of analysis chains

(Dortmund) -> TA2

Inference on Large Datasets *(Bonn, Dortmund, Heidelberg)*

Automated ML Services *(Hamburg, Mainz, Erlangen)*

Hardware Specific Optimisation & Development of Numerical Solvers *(Lattice Community)*

Systematics, Stability and Visualisation

(Aachen, Bonn, Goettingen, Hamburg, Heidelberg)

Anomaly finding for predictive maintenance

(Dortmund, Hamburg, Heidelberg) -> TA4