



# On Requirements for Data Verification Service

Andrey Ustyuzhanin  
May 21 2014

What is Data Verification Service?

**Service that allows automated detection of anomalies in LHCb data**

# Applications

- › Detection of anomalies in LHCb running mode
- › Detection of anomalies in software behavior (e.g. stripping or trigger lines)

# Features / Requirements

- › Web-based API
- › Extensible / configurable comparison logic
- › Case-based processing
- › Unsupervised training capability

# Cases

- Reference-based comparison
  - Online comparison
  - Offline comparison
  - MC regression
- Reference capture

# Conclusion

- › Service is being discussed
- › Draft vision has been presented
- › Requires further elaboration and detailed use-cases specification