



Contribution ID: 29

Type: **not specified**

Statistics in test beam analysis

Monday 19 January 2015 09:05 (45 minutes)

The talk will go through the following topics:

- Least squares estimation, Gauss-Markov theorem
- Broken lines, χ^2 minimization
- Test statistics (χ^2 , p-values)
- Kalman Filtering
- Track finding with the combinatorial Kalman filter
- Outlier rejection, Deterministic Annealing Filter
- System parameters and fitted χ^2
- Alignment
- Estimation of resolution and material distribution

Estimated length in minutes

45

Primary author: GJERSDAL, Håvard

Presenter: GJERSDAL, Håvard

Session Classification: Statistics in test beam analysis