LHCb Simulation

### Legend
- **40-75**
- **75-105**
- **105+**

### Axes
- **reconstructed Δy**
- **true Δy**

### Units
- **M_{bb} true [GeV/c^2]**
- **M_{bb} reco [GeV/c^2]**

### Observations
- The graph shows the distribution of reconstructed and true values for M_{bb} across different mass ranges.
- The color scale ranges from 10^{-3} to 1, indicating the probability density.