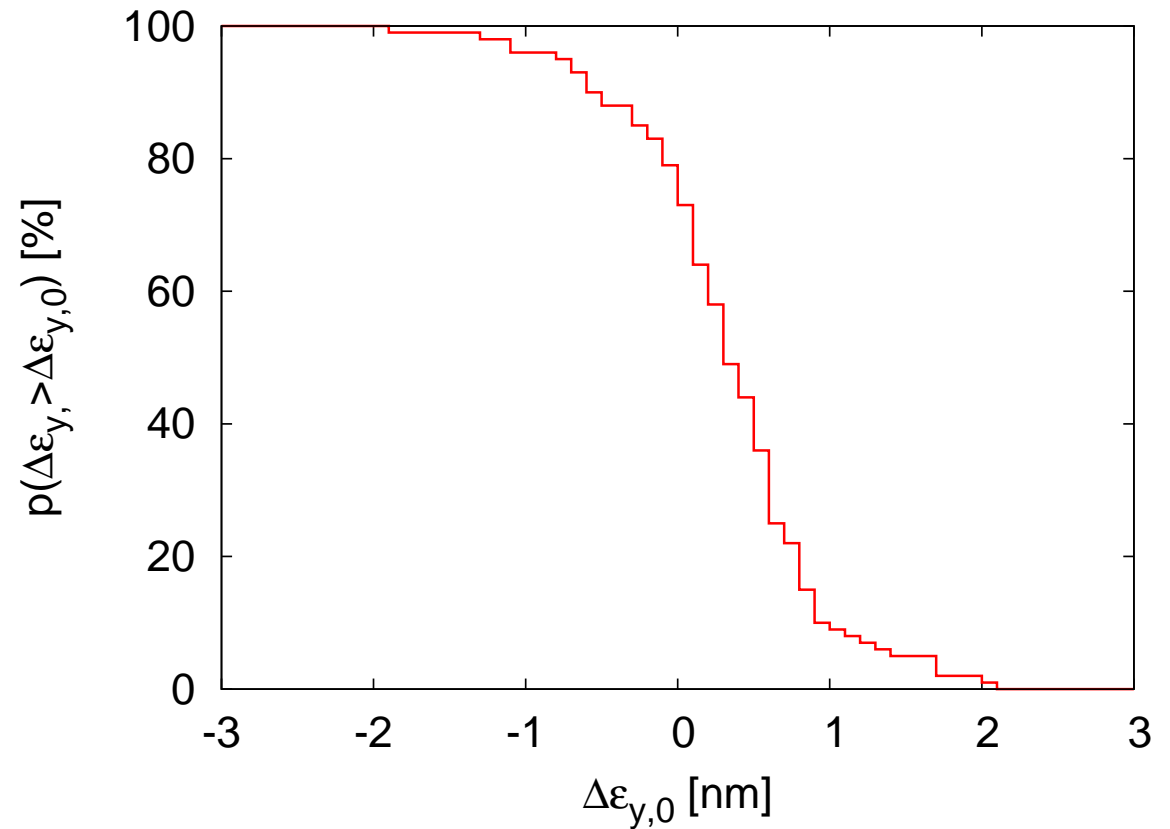


Some Multi-Bunch Results

D. Schulte

Multi-Bunch Emittance Growth

- Standard errors used
- DFS applied
- 100 machines simulated
 - TESLA wakefields with 0.1% RMS frequency spread
 - one-to-one alignment with full train for each machine
 - 5% bunch-to-bunch charge variations in uncorrected test beam



Beam Jitter

- Perfect machines used
- 100 machines simulated
 - TESLA wakefields with 0.1% RMS frequency spread
 - beam set to an offset
 - 5% bunch-to-bunch charge variations in uncorrected test beam
 - additional relative emittance growth due to multi-bunch is determined

