

## Projects in WG5 'MC Tools' (1)

- ▶ LHAPDF development (in particular, inclusion of H1 and ZEUS PDFs)  
D. Bourilkov, M. Whalley
- ▶ CASCADE Development - inclusion of quarks and multiple interactions  
H. Jung
- ▶ Comparisons of CASCADE and leading order MCs at LHC  
G. Davatz, A. Nikitenko: jet veto efficiency for  $gg \rightarrow h$  at CMS
- ▶ NLOLIB development  
K. Rabbertz – inclusion of pp programs  
T. Schörner-Sadenius – inclusion of JetViP
- ▶ RAPGAP Development – inclusion of hadronisation models  
H. Jung, S. Vinokurova
- ▶ MC@NLO Development – making a HERA version  
S. Frixione, H. Jung, ?

## *Projects in WG5 'MC Tools' (2)*

- ▶ Simulations of UE and MC tuning (together with WG2); HzTool  
J. Butterworth, B. Waugh, ? (ZEUS);  
D. Beneckenstein, S. Lausberg, V. Lendermann, K. Lohwasser, S. Maxfield (H1)
- ▶ Feasibility study for a dedicated measurement of UE at HERA  
G. Grindhammer, S. Maxfield
- ▶ HzTool/JetWeb general development  
J. Butterworth, H. Jung, B. Waugh
- ▶ PYTHIA tuning with HERA data for meson resonance production  
A. Kropivnitskaya, V. Lendermann
- ▶ MC tuning to describe leading proton distributions  
G. Iacobucci
- ▶ Sbumps – C++ framework for automatic peak searching and identification  
S. Chekanov
- ▶ RunMC – C++ object-oriented framework for running MC models  
S. Chekanov