A Brief History of HERWIG

Bryan Webber
UNIVERSITY OF CAMBRIDGE

- I'm greatly honoured to receive this award, and especially to share it with Torbjörn Sjöstrand, who has done more than anyone else to provide particle physicists with realistic simulated events.
- I would like to take this opportunity to acknowledge the principal people who have influenced and/or collaborated in my own work on event generation.

SIMULATION OF QCD JETS INCLUDING SOFT GLUON INTERFERENCE

G. MARCHESINI

Istituto di Fisica dell'Università di Parma
and
INFN, Sezione di Milano, Italy

B.R. WEBBER*

CERN, Geneva, Switzerland

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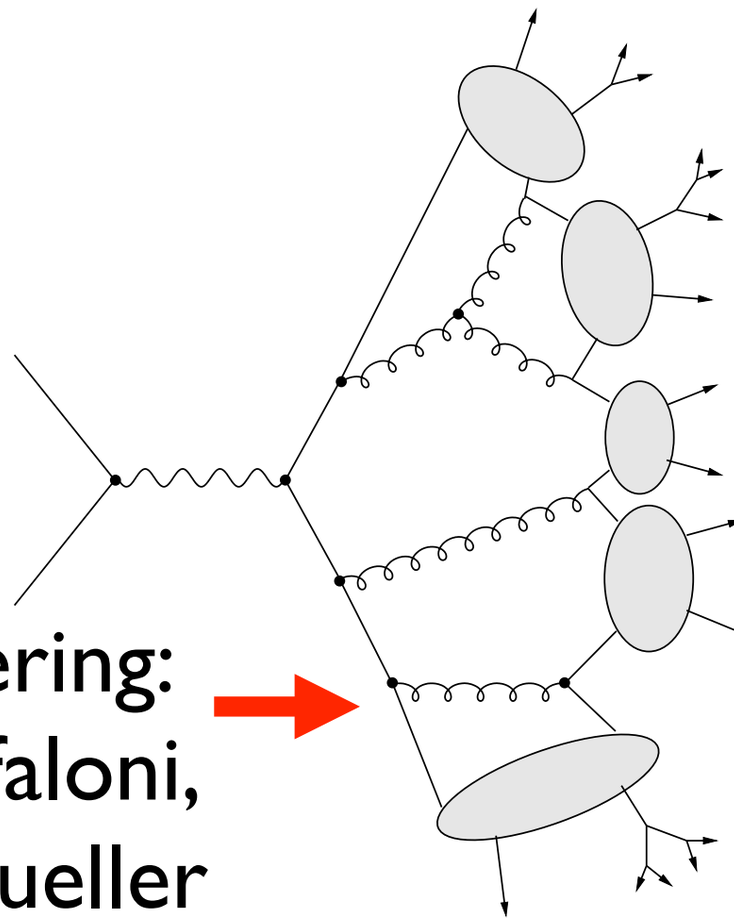
EARWIG

- Electron Annihilation Reactions With Interfering Gluons



QCD coherence

Angular ordering:
Bassetto, Ciafaloni,
Marchesini, Mueller

Preconfinement:
Amati & Veneziano

Cluster model:
Wolfram

+ Backward evolution:
Sjöstrand

HERWIG

- Hadron Emission Reactions With Interfering Gluons

MONTE CARLO SIMULATION OF GENERAL HARD PROCESSES WITH COHERENT QCD RADIATION*

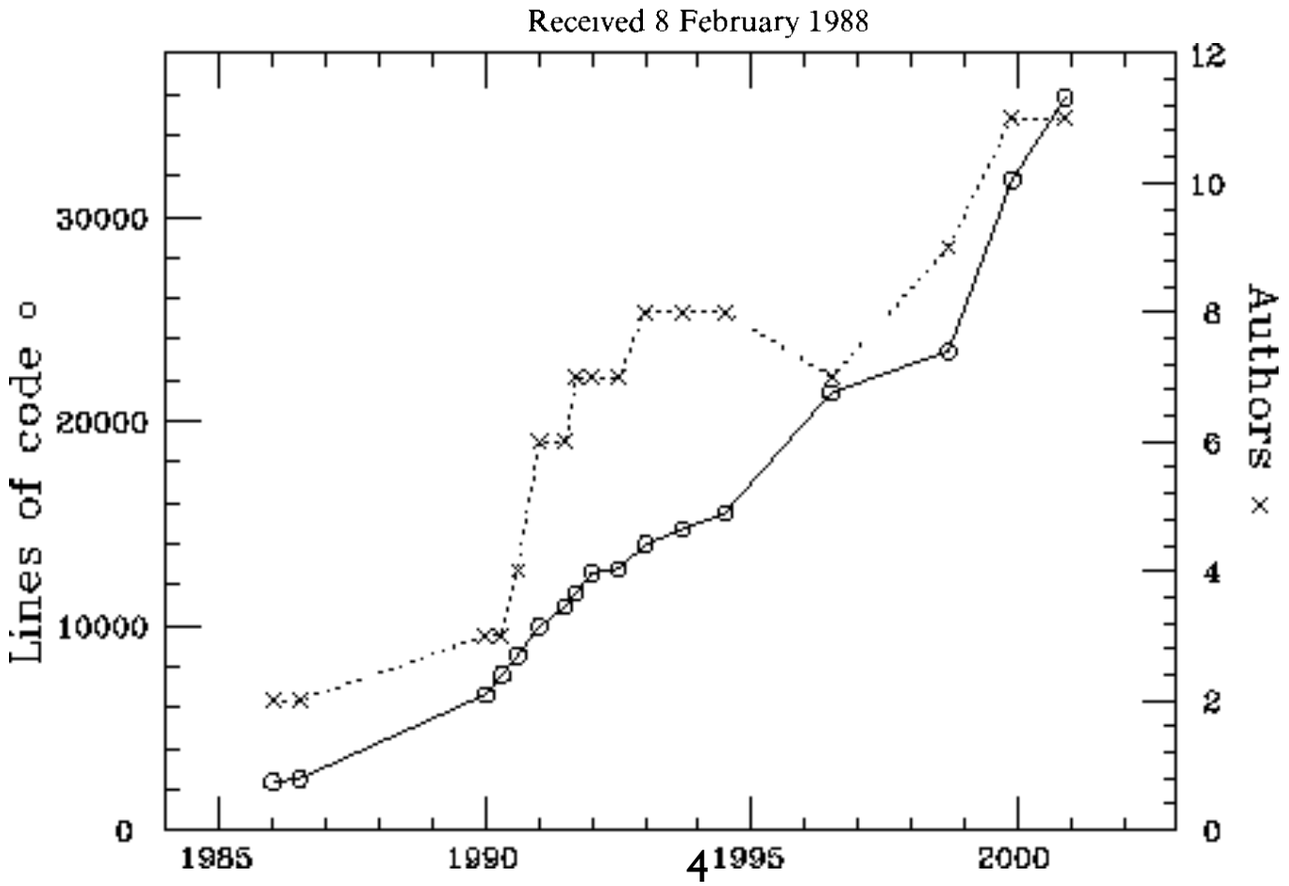
G MARCHESINI

Dipartimento di Fisica, Università di Parma, INFN, Gruppo Collegato di Parma, Italy

B R WEBBER

Cavendish Laboratory, University of Cambridge, Madingley Road, Cambridge CB3 0HE, UK

Received 8 February 1988



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HERWIG 6.5: an event generator for Hadron Emission Reactions With Interfering Gluons (including supersymmetric processes)*

Gennaro Corcella

Max-Planck-Institut für Physik, Werner-Heisenberg-Institut, Munich
E-mail: corcella@mppmu.mpg.de

Ian G. Knowles

Department of Physics and Astronomy, University of Edinburgh, UK
E-mail: knowles@supanet.com

Giuseppe Marchesini

Dipartimento di Fisica, Università di Milano-Bicocca, and
I.N.F.N., Sezione di Milano, Italy
E-mail: Giuseppe.Marchesini@mi.infn.it

Stefano Moretti

Theory Division, CERN, and IPPP, University of Durham, UK
E-mail: Stefano.Moretti@cern.ch

Kosuke Odagiri

Theory Group, KEK, Japan
E-mail: odagirik@post.kek.jp

Peter Richardson

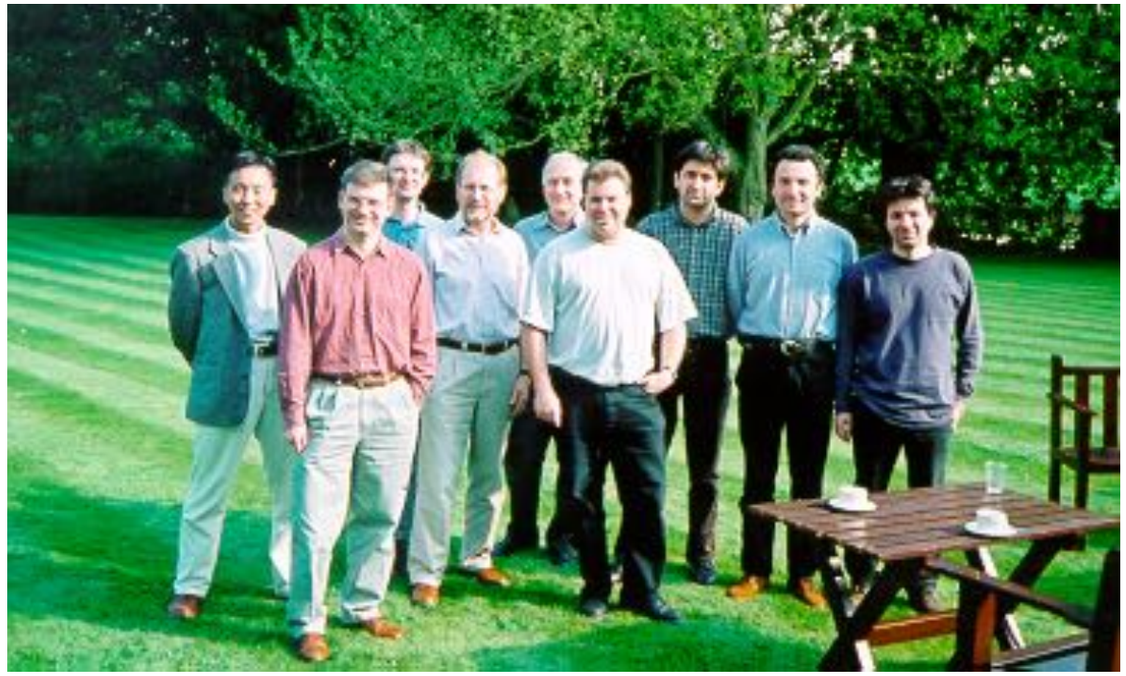
Department of Applied Mathematics and Theoretical Physics and
Cavendish Laboratory, University of Cambridge, UK
E-mail: richardn@hep.phy.cam.ac.uk

Michael H. Seymour

Department of Physics and Astronomy, University of Manchester, UK
E-mail: M.Seymour@rl.ac.uk

Bryan R. Webber

Cavendish Laboratory, University of Cambridge, UK
E-mail: webber@hep.phy.cam.ac.uk



HERWIG++/7

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DOI 10.1140/epjc/s10052-008-0798-9

THE EUROPEAN PHYSICAL JOURNAL C

Special Article - Tools for Experiment and Theory

Herwig++ physics and manual

Manuel Bähr[1], Stefan Gieseke[1], Martyn A. Gigg[2], David Grellscheid[2], Keith Hamilton[3], Oluseyi Latunde-Dada[4], Simon Plätzer[1], Peter Richardson[2,5,a], Michael H. Seymour[5,6], Alexander Sherstnev[4], Bryan R. Webber[4]

[1]Institut für Theoretische Physik, Universität Karlsruhe, Karlsruhe, Germany
[2]IPPP, Department of Physics, Durham University, Durham, UK
[3]Centre for Particle Physics and Phenomenology, Université Catholique de Louvain, Louvain-la-Neuve, Belgium
[4]Cavendish Laboratory, University of Cambridge, Cambridge, UK
[5]Physics Department, CERN, Geneva, Switzerland
[6]School of Physics and Astronomy, University of Manchester, Manchester, UK

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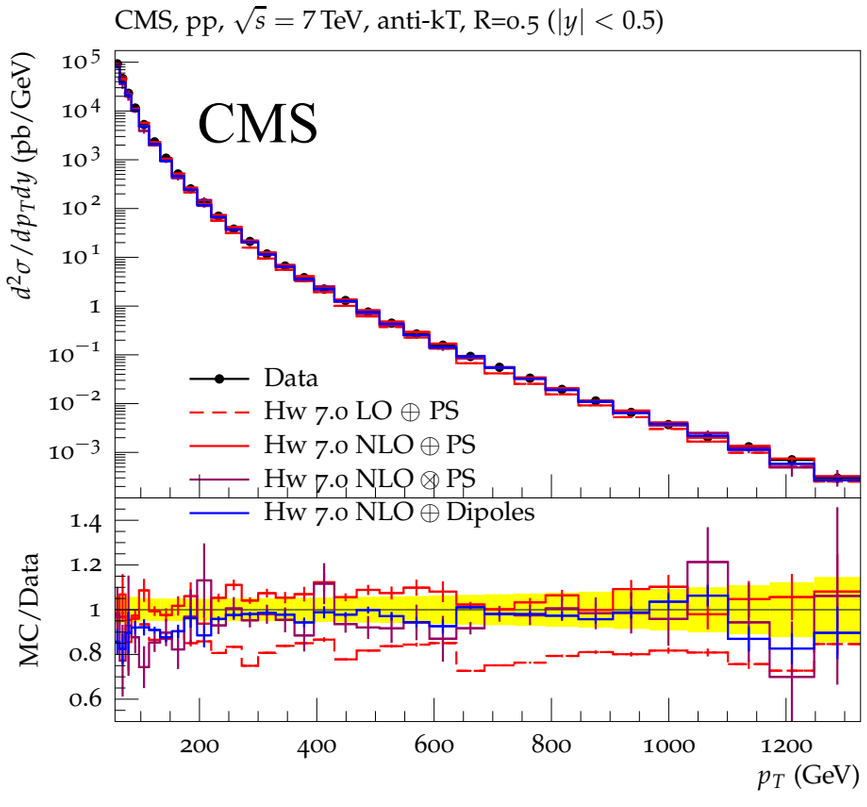

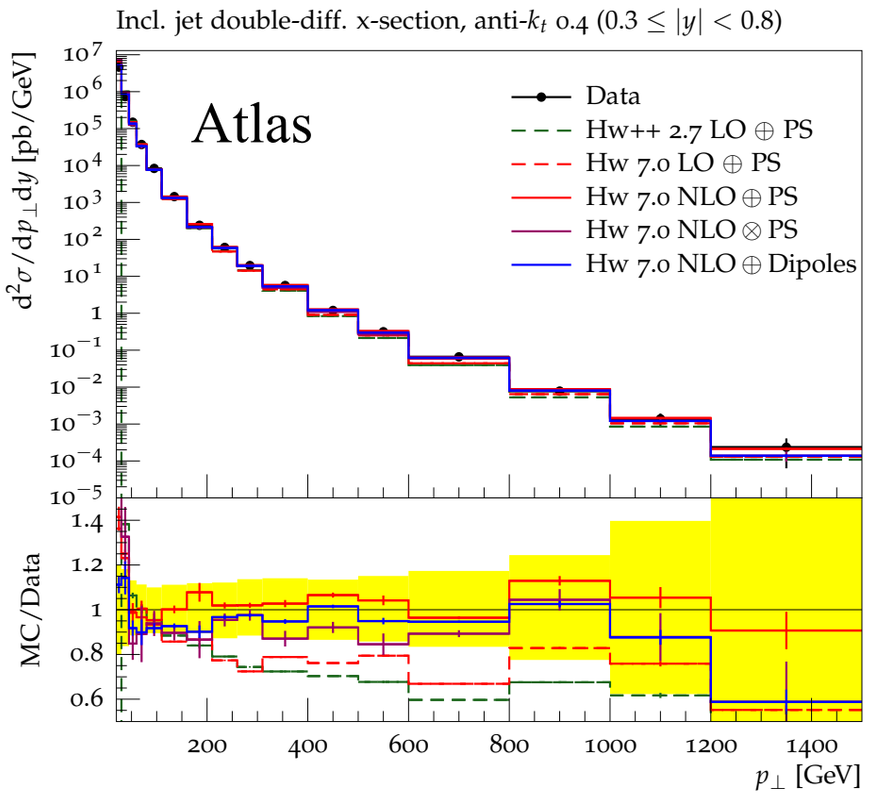

HERWIG 7

- The project is now in good hands:

Mike Seymour
Manchester

Peter Richardson
Durham

Simon Plätzer
Vienna

Stefan Gieseke
Karlsruhe