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# Welcome to the high pT low Q<sup>2</sup> Twiki

## Available Information

- Release Notes and COMPASS paper
- List of presentations at the Offline meetings
- Useful COMPASS Notes
- How to run the Montecarlo Chain (@ Lyon)
- Our ELOG [↗](#) (must be a registered user, if you are interested send us a mail)

## Useful Links

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Coral

PHAST [↗](#)

PYTHIA [↗](#)

## Info related to radiative corrections

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- Radiative Effects in the Processes of Hadron Electroproduction [↗](#), I. V. Akushevich, N. M. Shumeiko, A. Soroko 1999 Eur.Phys.J.C **10** 681-687, arXiv:9903325 [hep-ph].  
Radiative effects in deep inelastic scattering of polarized leptons by polarized light nuclei [↗](#), I. V. Akushevich and N. M. Shumeiko, 1994 J. Phys. G: Nucl. Part. Phys. 20 513.  
Radiative effects in deep inelastic scattering of polarized leptons by polarized nucleons [↗](#), T.V. Kuchto and N.M. Shumeiko, Nucl. Phys. B **219** (1983) 412.
- Can the Gluon Polarization in the Nucleon Be Extracted from HERMES Data on Single High-pT Hadrons [↗](#) Patricia Liebing (Hermes Thesis: Heuer, R D (dir.) ; Schäfer, A (dir.) ; Sjöstrand, T (dir.)
- Simulation of the Bremsstrahlung Emission by Hadrons in the COMPASS Experiment (RADGEN ≠ PHOTOS) [↗](#), Erratum [↗](#) Beata Pawlukiewicz, Warsaw, Diploma thesis.

## Papers published by others relevant to the analysis

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- Longitudinally polarized photoproduction of inclusive hadrons at fixed-target experiments [↗](#), B. Jäger, M. Stratmann and W. Vogelsang, Eur. Phys. J. C **44** (2005) 533, arXiv:hep-ph/0505157
- Photoproduction of Hadron Pairs at Fixed-Target Experiments [↗](#), C. Hendlmeier, M. Stratmann and A. Schäfer, arXiv:0706.3766 [hep-ph].  
See also Eur. Phys. J. C **55** (2008) 597 [↗](#).
- Can the Gluon Polarization in the Nucleon Be Extracted from HERMES Data on Single High-pT Hadrons [↗](#) Patricia Liebing (Hermes Thesis: Heuer, R D (dir.) ; Schäfer, A (dir.) ; Sjöstrand, T (dir.)
- Comparison of hadron production at different cms energies: Eur. Phys. J. C **36** (2004) 371-374
- Marco Stratmann's DSSV Archive [↗](#) (with the paper references)
- T.D lee and N. Nauenberg's Paper on Degenerate Systems and Mass Singularities:PR Vol 133 6B, B1549-B1562

- PDFs
  - ◆ GRV 92 [↗](#): Photonic parton distributions, GR and A. Vogt, Phys. Rev. D 46.
  - ◆ GRV 98 [↗](#): Dynamical Parton Distributions Revisited, GR and A. Vogt, Eur.Phys.J.C5.
  - ◆ GRS 99 [↗](#): Radiatively Generated Parton Distributions of Real and Virtual Photons, GR and I. Schienbein, Phys.Rev. D60.
  - ◆ GRS 2001 [↗](#): Spin-Dependent Structure Functions of Real and Virtual Photons, GR and C. Sieg, Eur.Phys.J.C20.

## Compass/HighpTLowQ2 Web Utilities

- - advanced search
- WebTopicList - all topics in alphabetical order
- WebChanges - recent topic changes in this web
- WebNotify - subscribe to an e-mail alert sent when topics change
- WebRss, WebAtom - RSS and ATOM news feeds of topic changes
- WebStatistics - listing popular topics and top contributors
- WebPreferences - preferences of this web

-- AstridM - 24 Nov 2009

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This topic: Compass/HighpTLowQ2 > WebHome

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