

# Publications

**Pierre Juillot**  
**IPHC, Strasbourg**

## Travaux en Chambre à Bulles

- 1. Study of the  $\bar{p}d \rightarrow p_s \bar{p}n \pi^+ \pi^-$  reaction at 5.55 GeV/c**  
*H. Braun, A. Fridman, J.P. Gerber, A. Givernaud, P. Juillot, R. Kahn, J.A. Malko, G. Maurer, A. Michalon, B. Schiby, R. Strub, C. Voltolini*  
Phys. Rev. D6 (1972) 767
  
- 2. Inclusive features of  $\pi^+$  spectra in coherent  $\bar{p}d$  interactions at 5.55 GeV/c**  
*H. Braun, A. Fridman, J.P. Gerber, A. Givernaud, P. Juillot, J.A. Malko, G. Maurer, A. Michalon, B. Schiby, C. Voltolini*  
Phys. Rev. D6 (1972) 2311
  
- 3. Study of  $\bar{p}d$  interactions at 15 GeV/c**  
*E.B. Brucker, W.F. Brooks, E.L. Koller, O. Raths, S. Taylor, P.E. Stamer, J.U. Grauman, T. Handler, R.J. Plano, H. Preissner, H. Braun, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, B. Schiby*  
Bull. Am. Phys. Soc. 17 (1972) 586
  
- 4. Elastic  $\bar{p}d$  scattering at 5.55 GeV/c incident momentum**  
*H. Braun, A. Fridman, E. Jegham, P. Juillot, J.A. Malko, C. Voltolini, G.R. Charlton, W.A. Cooper, B. Musgrave*  
Nucl. Phys. B54 (1973) 61
  
- 5. Two-particle correlation in the  $\bar{p}p \rightarrow 3\pi^+ 3\pi^- \pi^0$  reaction at 5.7 GeV/c**  
*H. Braun, A. Fridman, J.P. Gerber, A. Givernaud, P. Juillot, J.A. Malko, G. Maurer, A. Michalon, B. Schiby, R. Strub, C. Voltolini*  
Phys. Rev. D7 (1973) 3243
  
- 6. Transverse-momentum-correlation features in multipion annihilations at 5.7 GeV/c**  
*H. Braun, A. Fridman, J.P. Gerber, P. Juillot, J.A. Malko, G. Maurer, A. Michalon, M.E. Michalon-Mentzer*  
Phys. Rev. D8 (1973) 2034
  
- 7. Study of the coherent  $\bar{p}d \rightarrow \bar{n}d \pi^-$  reaction at 5.55 GeV/c**  
*H. Braun, A. Fridman, J.P. Gerber, A. Givernaud, P. Juillot, J.A. Malko, G. Maurer, C. Voltolini, W.A. Cooper*  
Phys. Rev. D8 (1973) 2765
  
- 8. Influence of the kinematical constraints on the transverse momentum correlation features**  
*A. Fridman, P. Juillot*  
Zeitschrift für Physik, 268 (1974) 317

**9. Search for a  $\Delta - \Delta$  component in the deuteron wave function using  $\bar{p}d$  interactions at 5.55 GeV/c**

*H. Braun, D. Brick, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, A. Michalon, M.E. Michalon-Mentzer, R. Strub, C. Voltolini*  
Phys. Rev. Letters, 33 (1974) 312

**10. Study of the  $\bar{p}d \rightarrow \bar{p}pn$  and  $\bar{p}n \rightarrow \bar{p}n$  reactions at 5.55 GeV/c**

*H. Braun, D. Brick, A. Fridman, J.P. Gerber, E. Jegham, P. Juillot, C. Voltolini*  
Phys. Rev. D10 (1974) 3573

**11. Slow proton and negative pion spectra in the target fragmentation region of  $pd$  and  $\pi^+d$  interactions at 200 GeV/c**

*Y. Eisenberg, B. Haber, D. Hochman, U. Karshon, E.E. Ronat, A. Shapira, J. Schultz, R. Yaari, G. Yekutieli, H. Braun, D. Brick, F. Etienne, A. Fridman, E. Jegham, P. Juillot, G. Maurer, A. Michalon*  
Bull. Am. Phys. Soc. 20 (1975) 545

**12. Study of charged multiplicity distributions in  $\bar{p}n$  interactions at 5.55, 9.3 and 14.6 GeV/c**

*A. Fridman, J.P. Gerber, P. Juillot, A. Michalon, M.E. Michalon-Mentzer, C. Voltolini, R.J. Plano, A.P. Sheng, E.B. Brucker, E.L. Koller, O. Raths, P.E. Stamer, S. Taylor, W. Hunt, J.A. Malko, D.K. Robinson*  
Phys. Rev. D12 (1975) 3414

**13. Charged multiplicity distributions in  $pd$  and  $\pi^+d$  interactions at 195 GeV/c**

*Y. Eisenberg, B. Haber, D. Hochman, U. Karshon, E.E. Ronat, A. Shapira, J. Schultz, R. Yaari, G. Yekutieli, H. Braun, D. Brick, F. Etienne, A. Fridman, E. Jegham, P. Juillot, G. Maurer, A. Michalon*  
Phys. Letters, B60 (1976) 305

**14. Evidence for a high mass  $\bar{N}N$  and  $\bar{N}N\pi$  enhancements observed in  $\bar{p}d$  interactions at 5.55 GeV/c**

*H. Braun, D. Brick, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, A. Michalon, M.E. Michalon-Mentzer, C. Voltolini*  
Phys. Letters, B60 (1976) 481

**15. Study of the  $dp \rightarrow dp\pi^+\pi^-$  and  $np \rightarrow pp\pi^-$  reactions in  $dp$  collisions at 11.9 GeV/c**

*H. Braun, D. Brick, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, M.E. Michalon-Mentzer, R. Strub, G. Alexander, O. Benary, S. Dagan, J. Grunhaus, L. Hyman, A. Levy, D. Lissauer, Y. Oren*  
Il Nuovo Cimento, A35 (1976) 405

**16. Neutron fragmentation and inclusive charge exchange in  $pd$  and  $\pi^+d$  interactions at 195 GeV/c**

*Y. Eisenberg, B. Haber, D. Hochman, E. Koller, E.E. Ronat, A. Shapira, R. Yaari, G. Yekutieli, H. Braun, F. Etienne, A. Fridman, J.P. Gerber, E. Jegham, P. Juillot, G. Maurer, C. Voltolini*  
Phys. Rev. Letters, 38 (1977) 108

**17. Impact-parameter analysis of exclusive  $\bar{p}p$  (5.7 GeV/c ) and  $\bar{p}d$  (4.72, 5.55, 9.3 and 14.6 GeV/c ) reactions**

*H. Braun, P. Fischer, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, A. Michalon, M.E. Michalon-Mentzer, C. Voltolini*  
Phys. Rev. D15 (1977) 1293

**18. Comparison of empirical  $\bar{p}p$  and  $pp$  multiplicity distributions and implications for  $e^+e^-$  annihilation**

*S. Barshay, A. Fridman, P. Juillot*  
Phys. Rev. D15 (1977) 2702

**19. Two-pronged events in  $^4\text{He}-p$  collisions at 8.56 GeV/c  $^4\text{He}$  incident momentum**

*V.V. Glagolev, R.M. Lebedev, I.S. Saitov, V.N. Strel'tsov, L.I. Zhuravleva, A.N. Gorbunov, K.U. Kairetdinov, G. Martinská, J. Patočka, M. Seman, H. Braun, A. Fridman, J.P. Gerber, H. Johnstad, P. Juillot, A. Michalon, B.S. Aladashvili, M.S. Nioradze, T. Siemarczuk, T. Sobczak, J. Stepaniak, P. Zielinski*  
Phys. Rev. C18 (1978) 1382

**20. Charge structure and correlation features in  $pn$  multiparticle final states at 195 GeV/c**

*H. Braun, F. Etienne, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, M.E. Michalon-Mentzer, C. Voltolini, Y. Eisenberg, B. Haber, D. Hochman, U. Karshon, E.E. Ronat, A. Shapira, R. Yaari, G. Yekutieli*  
Phys. Rev. D17 (1978) 1260

**21. Leading effects in on- and off- mass shell reactions  $\pi^-p \rightarrow \pi^+$  anything at Fermilab energies**

*U. Karshon, Y. Eisenberg, B. Haber, D. Hochman, E.E. Ronat, A. Shapira, R. Yaari, G. Yekutieli, H. Braun, F. Etienne, A. Fridman, J.P. Gerber, P. Juillot, G. Maurer, C. Voltolini*  
Bulletin of the Israel Physical Society 24 (1978) 43

**22. Production of slow protons in the inclusive reactions  $p(\pi^+)+n \rightarrow P_{slow}+X$  at 195 GeV/c**

*Y. Eisenberg, B. Haber, D. Hochman, U. Karshon, L. Lyons, E.E. Ronat, A. Shapira, M. Tabak, G. Yekutieli, H. Braun, A. Fridman, J.P. Gerber, H. Johnstad, P. Juillot, G. Maurer, C. Voltolini*  
Nucl. Phys. B135 (1978) 189

**23. Resonance production and transverse spectra in  $\bar{p}n$  annihilations at 5.55 GeV/c**

*H. Braun, A. Fridman, J.P. Gerber, P. Juillot, N. Kurtz, G. Maurer, A. Michalon, M.E. Michalon-Mentzer, C. Voltolini*  
Phys. Rev. D20 (1979) 587

**24. Double inelastic interactions in  $\bar{p}d$  collisions in the 1.6-4.3 GeV/c incident  $\bar{p}$  momentum range**

*H. Braun, A. Fridman, J.P. Gerber, H. Johnstad, P. Juillot, G. Maurer, A. Michalon, M.E. Michalon-Mentzer, C. Voltolini, M. Leopold, T. Siemarczuk, T. Sobczak, J. Stepaniak, P. Zielinski*  
Nucl. Phys. B152 (1979) 61

**25. Differential  $\bar{N}N \rightarrow \bar{N}\pi N$  isospin amplitudes at 9 GeV/c**

*R. Stenbacka, Ch. Walck, G. Ekspong, S. Nilsson, H. Braun, A. Fridman, P. Juillot, M.E. Michalon-Mentzer, P. Mason, H. Muirhead, G. Warren, W.J. Fickinger, J.A. Malko, D.K. Robinson*

Nucl. Phys. B157 (1979) 413

**26. Experiments with beams of high energy nuclei and the problem of relativizing their wave functions**

*B.S. Aladashvili, V.R. Garsevanishvili, Z.R. Menteshashvili, D.G. Mirianashvili, M.S. Nioradze, M. Bánó, M. Seman, J. Urbán, L. Šándor, H. Braun, H. Johnstad, J.P. Gerber, P. Juillot, A. Michalon, A. Fridman, V.V. Glagolev, L.I. Zhuravleva, R.M. Lebedev, I.S. Saitov, V.N. Strel'tsov, A.N. Gorbunov, K.U. Kairetdinov, P. Zielinski, T. Siemarczuk, T. Sobczak, J. Stepaniak, G. Martinská, J. Patočka, J. Hlavačova*

Yad. Fiz. 34 (1981) 1063

Sov. J. Nucl. Phys. 34 (1981) 591

**27. Production of deuterons in  $^4\text{He}$  -p interactions at 8.6 GeV/c**

*B.S. Aladashvili, M. Bánó, H. Braun, J.P. Gerber, V.V. Glagolev, A.N. Gorbunov, J. Hlavačova, P. Juillot, K.U. Kairetdinov, R.M. Lebedev, G. Martinská, Z.R. Menteshashvili, A. Michalon, D.G. Mirianashvili, M.S. Nioradze, J. Patočka, M. Seman, T. Sobczak, J. Stepaniak, V.N. Strel'tsov, L. Šándor, J. Urbán, L.I. Zhuravleva, A. Futo*

Acta Phys. Slov. 31 (1981) 29

**28. Azimuthal correlations and dibaryon states in the reaction  $^4\text{He} - p \rightarrow dppn$**

*P. Zielinski, T. Sobczak, J. Stepaniak, V.V. Glagolev, R.M. Lebedev, G.D. Pestova, J. Urbán, M. Bánó, M. Seman, L. Šándor, J. Hlavačova, G. Martinská, J. Patočka, V.V. Gladun, K.U. Kairetdinov, H. Braun, J.P. Gerber, P. Juillot, A. Michalon, A.K. Katcharova, Z.R. Menteshashvili, D.G. Mirianashvili, M.S. Nioradze, Z.R. Saloukvdze*

Yad. Fiz. 40 (1984) 482

Sov. J. Nucl. Phys. 40 (1984) 306

**29. Possible dibaryon states produced in  $^4\text{He}$  -proton interactions**

*V.V. Glagolev, R.M. Lebedev, L.I. Zhuravleva, M. Bánó, M. Seman, L. Šándor, J. Hlavačova, G. Martinská, J. Patočka, J. Urbán, V.V. Gladun, A.N. Gorbunov, K.U. Kairetdinov, H. Braun, J.P. Gerber, P. Juillot, A. Michalon, D.V. Gersamia, M.S. Nioradze, T. Sobczak, J. Stepaniak, P. Zielinski*

Zeitschrift für Physik A317 (1984) 335

**30.  $\alpha$ -particle break-up in the interaction with protons at 8.6 GeV/c  $^4\text{He}$  momentum**

*V.V. Glagolev, R.M. Lebedev, M. Bánó, M. Seman, L. Šándor, J. Hlavačova, G. Martinská, J. Patočka, J. Urbán, V.V. Gladun, K.U. Kairetdinov, H. Braun, J.P. Gerber, P. Juillot, A. Michalon, D.T. Mirianashvili, M.S. Nioradze, T. Sobczak, J. Stepaniak, P. Zielinski*

Nucl. Phys. A445 (1985) 572

**31. Peculiarities of deuteron production in  $^4\text{He}$  -proton interactions**

*V.V. Glagolev, R.M. Lebedev, G.D. Pestova, J. Urbán, H. Braun, J.P. Gerber, P. Juillot, A. Michalon, M. Bánó, L. Šándor, M. Seman, T. Sobczak, J. Stepaniak, P. Zielinski, K.U. Kairetdinov, A. K. Katcharava, M.S. Nioradze, Z.R. Saloukvdze, J. Hlavačova, G. Martinská, J. Patočka*

Acta Phys. Slov. 36 (1986) 227

**32. Momentum characteristics of spectators in  $^4\text{He}$  -nuclei fragmentation processes**

*P. Zielinski, T. Sobczak, J. Stepaniak, V.V. Glagolev, R.M. Lebedev, V.N. Strel'tsov, J. Urbán, M. Bánó, M. Seman, A. Futo, L. Šándor, G. Martinská, J. Patočka, J. Hlavačova, K.U. Kayretdinov, H. Braun, J.P. Gerber, P. Juillot, A. Michalon, Z.R. Menteshashvili, D.G. Mirianashvili, M.S. Nioradze*

*Yad. Fiz. 43 (1986) 791*

*Sov. J. Nucl. Phys. 34 (1986) 503*

**33. Azimuthal correlations and deuteron production in proton interactions with light nuclei**

*P. Zielinski, T. Sobczak, J. Stepaniak, V.V. Glagolev, R.M. Lebedev, G.D. Pestova, J. Urbán, M. Bánó, M. Seman, L. Šándor, A. Dirner, G. Martinská, J. Patočka, J. Hlavačova, K.U. Kayretdinov, H. Braun, J.P. Gerber, P. Juillot, A. Michalon, A.K. Katcharova, M.S. Nioradze, Z.R. Saloukvadze*

*Yad. Fiz. 47 (1988) 744*

*Sov. J. Nucl. Phys. 47 (1988)*

**34. Cross sections of the interactions of He nuclei with protons at 8.6 and 13.6 GeV/c**

*H. Braun, A. Dirner, J.P. Gerber, V.V. Glagolev, V.V. Hlavacova, P. Juillot, A.K. Kacharava., K.U. Khayretdinov, R.M. Lebedev, G. Martinska, A. Michalon, M.S. Nioradze, J. Patočka, G.D. Pestova, Z.R. Saloukvadze, M. Seman, T. Sobczak, J. Stepaniak, L. Sandor, J. Urban*  
*Czechoslovak Journal of Physics B39 (1989) 1267*

**Etude de la production de dimuons au SPS du CERN**

**35. A-dependence of muon pair production in  $\pi$ -nucleus interactions at 280 GeV/c**

*S. Falciano, K. Freudenreich, P. Juillot, J.S. Wallace-Hadrill, L. Anderson, A. Coc, L. Klumberg, A. Romana, R. Salmeron, J. Varela, B. Betev, J.J. Blaising, A. Degré, P. Gudewicz, R. Morand, P. Schübelin, D. DiBitonto, A. Gsponer, M. Guanziroli, H. Hofer, P. Le Coultre, P. Strolin, H. Suter, G.J. Tarnopolsky, V.L. Telegdi, G. Viertel*

*Phys. Letters, B104 (1981) 416*

**36. High resolution study of the inclusive production of massive muon pairs by intense pion beams**

*S. Falciano, K. Freudenreich, P. Juillot, J.S. Wallace-Hadrill, L. Anderson, A. Coc, L. Klumberg, A. Romana, R. Salmeron, J. Varela, B. Betev, J.J. Blaising, A. Degré, P. Gudewicz, R. Morand, A. Gsponer, M. Guanziroli, H. Hofer, P. Le Coultre, P. Strolin, H. Suter, G.J. Tarnopolsky, V.L. Telegdi, G. Viertel*

*Helvetica Physica Acta 54 (1981) 54*

**37. A high-resolution spectrometer for the study of high-mass muon pairs produced by intense hadron beams**

*L. Anderson, R. Benetta, J.D. Berst, B. Betev, J.J. Blaising, P. Bordalo, A. Boumediene, L. Cerrito, A. Coc, A. Degré, Ph. Delcros, A. Ereditato, S. Falciano, K. Freudenreich, J.P. Froberger, J.C. Gouache, C. Gregory, A. Gsponer, M. Guanziroli, P. Gudewicz, H. Hofer, P. Juillot, P. Klein, L. Kluberg, A. Lacourt, P. Lecomte, J. Lecoq, P. Le Coultre, R. Morand, M. Morpurgo, B. Mours, J.Y. Parey, G. Remy, A. Romana, R. Salmeron, P. Strolin, H. Suter, G.J. Tarnopolsky, V.L. Telegdi, J. Varela, G. Viertel, J. Wallace-Hadrill, M. Winter*  
Nucl. Instr. and Meth. 223 (1984) 26

**38. Differential cross-section of high-mass muon pairs produced by a 194 GeV/c  $\pi^-$  beam on a tungsten target**

*B. Betev, J.J. Blaising, P. Bordalo, A. Boumediene, L. Cerrito, A. Degré, A. Ereditato, S. Falciano, K. Freudenreich, E. Gorini, M. Guanziroli, H. Hofer, P. Juillot, L. Kluberg, P. Lecomte, P. Le Coultre, R. Morand, B. Mours, A. Romana, R. Salmeron, P. Strolin, H. Suter, V.L. Telegdi, J. Varela, G. Viertel, J. Wallace-Hadrill, M. Winter*  
Zeitschrift für Physik C28 (1985) 9

**39. Observation of anomalous scaling violation in muon pair production by 194 GeV/c  $\pi^-$ -tungsten interactions**

*B. Betev, J.J. Blaising, P. Bordalo, A. Boumediene, L. Cerrito, A. Degré, A. Ereditato, S. Falciano, K. Freudenreich, E. Gorini, M. Guanziroli, H. Hofer, P. Juillot, L. Kluberg, P. Lecomte, P. Le Coultre, R. Morand, B. Mours, A. Romana, R. Salmeron, P. Strolin, H. Suter, V.L. Telegdi, J. Varela, G. Viertel, J. Wallace-Hadrill, M. Winter*  
Zeitschrift für Physik C28 (1985) 15

**40. Upper limits on  $\bar{B}B$  production in  $\pi^-$ -tungsten interactions at 194 GeV/c**

*A. Ereditato, E. Gorini, P. Strolin, P. Bordalo, A. Boumediene, Ph. Busson, L. Cerrito, L. Kluberg, A. Romana, R. Salmeron, J. Varela, J.J. Blaising, A. Degré, P. Juillot, R. Morand, B. Mours, M. Winter, S. Falciano, M. Guanziroli, H. Hofer, P. Lecomte, P. Le Coultre, H. Suter, V.L. Telegdi, J. Varela, G. Viertel, B. Betev, K. Freudenreich, J. Wallace-Hadrill*  
Phys. Letters, B157 (1985) 463

**41. Production of  $\Upsilon$  by 194 GeV/c negative pions on tungsten**

*S. Falciano, M. Grossmann, M. Guanziroli, H. Hofer, P. Lecomte, P. Le Coultre, H. Suter, V.L. Telegdi, G. Viertel, B. Betev, K. Freudenreich, J. Wallace-Hadrill, A. Ereditato, E. Gorini, P. Strolin, P. Bordalo, L. Cerrito, L. Kluberg, A. Romana, R. Salmeron, J. Varela, J.J. Blaising, A. Degré, P. Juillot, R. Morand, B. Mours, M. Winter*  
Phys. Letters, B158 (1985) 92

**42. Angular distribution of muon pairs produced by 194 GeV/c negative pions**

*S. Falciano, M. Guanziroli, H. Hofer, P. Lecomte, P. Le Coultre, H. Suter, V.L. Telegdi, G. Viertel, B. Betev, K. Freudenreich, A. Ereditato, E. Gorini, P. Strolin, P. Bordalo, L. Cerrito, L. Kluberg, A. Romana, R. Salmeron, J. Varela, J.J. Blaising, A. Degré, P. Juillot, R. Morand, B. Mours, M. Winter*  
Zeitschrift für Physik C31 (1986) 513

**43. A high-statistics study of  $\Upsilon$ -meson production in  $\pi^-$ -W reactions at 286 GeV/c**

*M. Grossmann-Handschin, M. Guanziroli, P. Le Coultre, H. Suter, V.L. Telegdi, K. Freudenreich, A. Ereditato, P. Strolin, P. Bordalo, Ph. Busson, L. Kluberg, A. Romana, R. Salmeron, C. Vallée, J.J. Blaising, A. Degré, P. Juillot, R. Morand, M. Winter*

Phys. Letters, B179 (1986) 170

Phys. Letters, B181 (1986) 414 (Addendum)

**44. Nuclear effects on the nucleon structure functions in hadronic high-mass dimuon production**

*P. Bordalo, Ph. Busson, L. Kluberg, A. Romana, R. Salmeron, C. Vallée, J.J. Blaising, A. Degré, P. Juillot, R. Morand, M. Winter, M. Grossmann-Handschin, M. Guanziroli, D.A. Jensen, P. Le Coultre, H. Suter, V.L. Telegdi, K. Freudenreich, A. Ereditato, E. Gorini, P. Strolin*

Phys. Letters, B193 (1987) 368

**45. Observation of a nuclear dependence on the transverse momentum distributions of massive muon pairs produced in hadronic collisions**

*P. Bordalo, Ph. Busson, L. Kluberg, A. Romana, R. Salmeron, C. Vallée, J.J. Blaising, A. Degré, P. Juillot, R. Morand, M. Winter, M. Grossmann-Handschin, M. Guanziroli, D.A. Jensen, P. Le Coultre, H. Suter, V.L. Telegdi, K. Freudenreich, A. Ereditato, E. Gorini, P. Strolin*

Phys. Letters, B193 (1987) 373

**46. Angular distribution of muon pairs produced by negative pions on deuterium and tungsten**

*M. Guanziroli, D.A. Jensen, P. Le Coultre, H. Suter, V.L. Telegdi, K. Freudenreich, A. Ereditato, P. Strolin, P. Bordalo, Ph. Busson, L. Kluberg, A. Romana, R. Salmeron, C. Vallée, J.J. Blaising, A. Degré, P. Juillot, R. Morand, M. Winter*

Zeitschrift für Physik C37 (1988) 545

**47. Open beauty production in high energy  $\pi^-$ -tungsten interactions**

*P. Bordalo, Ph. Busson, L. Kluberg, A. Romana, R. Salmeron, C. Vallée, J.J. Blaising, A. Degré, P. Juillot, R. Morand, M. Winter, M. Guanziroli, P. Le Coultre, H. Suter, V.L. Telegdi, K. Freudenreich, L. Carotenuto, A. Ereditato, E. Gorini, P. Strolin*

Zeitschrift für Physik C39 (1988) 7

## **Le Barrel RICH de DELPHI**

**48. The Multi Wire Proportional Chambers of the DELPHI Barrel RICH**

*D. Bloch, M. Dracos, W. Dulinski, D. Husson, P. Juillot, M. Schaeffer, E. Aria, J.D. Berst, E. Christophel, J.P. Froberger, N. Mayet, G. van Apeldoorn, D. Langerveld, N. de Koning, D.Z. Toet, Th. Ypma*

Nucl. Instr. and Meth. A273 (1988) 847

**49. Gating the MWPC's of the DELPHI Barrel RICH**

*G. van Apeldoorn, D. Langerveld, N. de Koning, D.Z. Toet, D. Bloch, M. Dracos, W. Dulinski, D. Husson, P. Juillot, D. Loukas, M. Schaeffer, E. Aria, J.D. Berst, E. Christophel, J.P. Froberger, N. Mayet*

Nucl. Instr. and Meth. A283 (1989) 767

**50. Recent results from the DELPHI Barrel RICH Imaging Cherenkov Counter**

*S. Annassontzis, et al.*

IEEE Trans. Nucl. Sci. 38 (1991) 417

**51. The Barrel RICH of DELPHI**

*E.G. Anassontzis et al.*

Nucl. Instr. and Meth. A323 (1992) 351

**52. A Qualitative Method to determine the loss of efficiency in the Delphi Barrel RICH MWPC's due to Ageing**

*G. van Apeldoorn, C. Bourdarios, M. Davenport, M. Dracos, P. Juillot, N. Kjaer, D. Z. Toet, A. Tsirou*

Nucl. Instr. and Meth. A348 (1994) 249

**53. Performance of the Barrel Cherenkov Ring Imaging Counter of DELPHI**

*G. van Apeldoorn et al.*

IEEE Trans. Nucl. Sci. 41 (1994) 866

**54. The Ring Imaging Cherenkov Detector of DELPHI**

*W. Adam et al.*

Nucl. Instr. and Meth. A343 (1994) 68

**55. Performance of the Ring Imaging Cherenkov Detector of DELPHI**

*W. Adam et al.*

Nucl. Instr. and Meth. A367 (1995) 233

**56. Operational experience with the  $4\pi$  ring imaging Cherenkov detector of DELPHI**

*W. Adam et al.*

Nucl. Instrum. Methods A 360 (1995) 416

**57. Current Achievements of the DELPHI ring imaging Cherenkov detector**

*W. Adam et al.*

Nucl. Instrum. Methods A371 (1996) 12

**58. Tagging the s quark in hadronic decays of the Z**

*J.W. Rabalais, M.M. Sung, F. Cossutti, A. De Angelis, M. Dracos, P. Juillot, P. Kluit, P. Pagès, F. Scurri*

Nucl. Instrum. Methods A371 (1996) 219

**59. Monitoring the ageing of the DELPHI Barrel RICH MWPC's**

*G. van Apeldoorn, C. Bourdarios, A. Buys, M. Dracos, P. Juillot, N. Kjaer, D. Z. Toet*

Nucl. Instrum. Methods A371 (1996) 61

**60. Operation, optimisation, and performance of the DELPHI RICH detectors**

*E. Albrecht et al.*

Nucl. Instrum. Methods A433 (1999) 47

## **DELPHI (1989 - 1995)**

### **61. Measurement of the Mass and Width of the $Z^0$ -particle from Multi-hadronic Final States Produced in $e^+e^-$ annihilations**

*Collaboration DELPHI*

Phys. Letters, B231 (1989) 539

### **62. Study of the Hadronic Decays of the $Z^0$ Boson**

*Collaboration DELPHI*

Phys. Letters, B241 (1990) 271

### **63. Study of the Leptonic Decays of the $Z^0$ Boson**

*Collaboration DELPHI*

Phys. Letters, B241 (1990) 425

### **64. A Precise Measurement of the Z Resonance Parameters Through its Hadronic Decays**

*Collaboration DELPHI*

Phys. Letters, B241 (1990) 435

### **65. Search for Heavy Charged Scalars in $Z^0$ Decays**

*Collaboration DELPHI*

Phys. Letters, B241 (1990) 449

### **66. Search for Light Neutral Higgs Particles Produced in $Z^0$ Decays**

*Collaboration DELPHI*

Nucl. Phys. B342 (1990) 1

### **67. Search for the t and b' Quarks in Hadronic Decays of the $Z^0$ Boson**

*Collaboration DELPHI*

Phys. Lett. B242 (1990) 536

### **68. Search for Pair Production of Neutral Higgs Bosons in $Z^0$ Decays**

*Collaboration DELPHI*

Phys. Lett. B245 (1990) 276

### **69. A Study of Intermittency in Hadronic $Z^0$ Decays**

*Collaboration DELPHI*

Phys. Lett. B247 (1990) 137

### **70. Search for Scalar Quarks in $Z^0$ Decays**

*Collaboration DELPHI*

Phys. Lett. B247 (1990) 148

### **71. Search for Sleptons and Gauginos in $Z^0$ Decays**

*Collaboration DELPHI*

Phys. Lett. B247 (1990) 157

### **72. A Comparison of Jet Production Rates on the $Z^0$ Resonance to Perturbative QCD**

*Collaboration DELPHI*

Phys. Lett. B247 (1990) 167

**73. Energy–Energy Correlations in Hadronic Final States from the  $Z^0$  Decays**

*Collaboration DELPHI*  
Phys. Lett. B252 (1990) 149

**74. Measurement of the Partial Width of the Decay of the  $Z^0$  into Charm Quark Pairs**

*Collaboration DELPHI*  
Phys. Lett. B252 (1990) 140

**75. The DELPHI Detector at LEP**

*Collaboration DELPHI*  
Nucl. Instrum. Methods A 303 (1991) 233

**76. Charged Particle Multiplicity Distributions in  $Z^0$  Hadronic Decays**

*Collaboration DELPHI*  
Zeit. Phys. C50 (1991) 185

**77. Experimental Study of the Triple–Gluon Vertex**

*Collaboration DELPHI*  
Phys. Lett. B255 (1991) 466

**78. Search for low mass Higgs Bosons produced in  $Z^0$  Decays**

*Collaboration DELPHI*  
Zeit. Phys. C51 (1991) 25

**79. A study of the reaction  $e^+e^- \rightarrow \mu^+\mu^-$  around the  $Z^0$  pole**

*Collaboration DELPHI*  
Phys. Lett. B260 (1991) 240

**80. Charged Particle Multiplicity Distributions in Restricted Rapidity Intervals**

*Collaboration DELPHI*  
Zeit. Phys. C52 (1991) 271

**81. Determination of  $Z^0$  resonance parameters and couplings from its hadronic and leptonic decays**

*Collaboration DELPHI*  
Nucl. Phys. B367 (1991) 511

**82. The Reaction  $e^+e^- \rightarrow \gamma\gamma(\gamma)$  at  $Z^0$  Energies**

*Collaboration DELPHI*  
Phys. Lett. B268 (1991) 296

**83. A Measurement of the Lifetime of the Tau Lepton**

*Collaboration DELPHI*  
Phys. Lett. B267 (1991) 422

**84. Search for Excited Charged Leptons in  $Z^0$  Decays**

*Collaboration DELPHI*  
Zeit. Phys. C 53 (1992) 41

**85. Study of Orientation of 3-jet Events in  $Z^0$  Hadronic Decays Using the DELPHI Detector**

*Collaboration DELPHI*

Phys. Lett. B274 (1992) 498

**86. Search for excited charged leptons in  $Z^0$  decays**

*Collaboration DELPHI*

Zeit. Phys. C53 (1992) 41

**87. Measurement of the Average Lifetime of B Hadrons**

*Collaboration DELPHI*

Zeit. Phys. C53 (1992) 567

**88. A Search for Neutral Higgs Particles in  $Z^0$  Decays**

*Collaboration DELPHI*

Nucl. Phys. B373 (1992) 3

**89. Search for Scalar Leptoquarks from  $Z^0$  decays**

*Collaboration DELPHI*

Phys. Lett. B275 (1992) 222

**90. Study of Final State Photons in Hadronic  $Z^0$  Decay and Limits on New Phenomena**

*Collaboration DELPHI*

Zeit. Phys. C53 (1992) 555

**91. Searches for Heavy Neutrinos from Z Decays**

*Collaboration DELPHI*

Phys. Lett. B274 (1992) 230

**92. Electroweak parameters of the  $Z^0$  resonance and the standard model**

*Collaboration DELPHI*

Phys. Lett. B276 (1992) 247

**93. Determination of  $\alpha_s$  in Second Order QCD in Hadronic Z Decays**

*Collaboration DELPHI*

Zeit. Phys. C54 (1992) 55

**94. Multiplicity Dependence of Mean Transverse Momentum in  $e^+e^-$  Annihilations at LEP Energies**

*Collaboration DELPHI*

Phys. Lett. B276 (1992) 254

**95. Production of Strange Particles in the Hadronic Decays of the  $Z^0$**

*Collaboration DELPHI*

Phys. Lett. B275 (1992) 231

**96. A Measurement of  $\sin^2\theta_W$  from the Charge Asymmetry of Hadronic Events at the  $Z^0$  Peak**

*Collaboration DELPHI*

Phys. Lett. B277 (1992) 371

**97. A Measurement of the  $B - \bar{B}$  Forward Backward Asymmetry Using the Semileptonic Decay into Muons**

*Collaboration DELPHI*

Phys. Lett. B276 (1992) 536

**98. Measurement of the  $Z^0$  Branching Fraction to  $b$  Quark Pairs Using the Boosted Sphericity Product**

*Collaboration DELPHI*

Phys. Lett. B281 (1992) 383

**99. A Study of the Decays of Tau Leptons Produced on the Z Resonance at LEP**

*Collaboration DELPHI*

Zeit. Phys. C55 (1992) 555

**100. Charged Particle Multiplicity Distributions for Fixed Number of Jets in  $Z^0$  Hadronic Decays**

*Collaboration DELPHI*

Zeit. Phys. C56 (1992) 63

**101. Bose-Einstein Correlations in the Hadronic Decays of the  $Z^0$**

*Collaboration DELPHI*

Phys. Lett. B286 (1992) 201

**102. Measurement of the partial width of the  $Z^0$  into  $b\bar{b}$  Final States using their Semi-Leptonic decays**

*Collaboration DELPHI*

Zeit. Phys. C56 (1992) 47

**103. Evidence for  $B_s^0$  Meson Production in  $Z^0$  Decays**

*Collaboration DELPHI*

Phys. Lett. B289 (1992) 199

**104. Multiplicity Fluctuations in Hadronic Final States from the Decay of the  $Z^0$**

*Collaboration DELPHI*

Nucl. Phys. B386 (1992) 471

**105. Classification of the Hadronic Decays of the  $Z^0$  into  $b$  and  $c$  Quark Pairs using a Neural Network**

*Collaboration DELPHI*

Phys. Lett. B295 (1992) 383

**106. A Measurement of B Meson Production and Lifetime Using  $D\ell^-$  Events in  $Z^0$  Decays**

*Collaboration DELPHI*

Zeit. Phys. C57 (1993) 181

**107. Measurement of Inclusive Production of Light Meson Resonances in Hadronic Decays of the  $Z^0$**

*Collaboration DELPHI*

Phys. Lett. B298 (1993) 236

- 108. A Search for Lepton Flavour Violation in  $Z^0$  decays**  
*Collaboration DELPHI*  
Phys. Lett. B298 (1993) 247
- 109. A Study of  $B^0 - \bar{B}^0$  Mixing using Semileptonic Decays of B Hadrons produced from  $Z^0$**   
*Collaboration DELPHI*  
Phys. Lett. B301 (1993) 145
- 110. A Measurement of the Tau lifetime**  
*Collaboration DELPHI*  
Phys. Lett. B302 (1993) 356
- 111. Measurement of the Triple-Gluon Vertex from 4-Jet Events at LEP**  
*Collaboration DELPHI*  
Zeit. Phys. C59 (1993) 357
- 112. Measurement of  $\Lambda_b$  production and lifetime in  $Z^0$  hadronic decays**  
*Collaboration DELPHI*  
Phys. Lett. B311 (1993) 379
- 113. Determination of  $\alpha_s$  using the Next-to-Leading-Log Approximation of QCD**  
*Collaboration DELPHI*  
Zeit. Phys. C59 (1993) 21
- 114. Determination of  $\alpha_s$  for b quarks at the  $Z^0$  Resonance**  
*Collaboration DELPHI*  
Phys. Lett. B307 (1993) 221
- 115. Determination of  $\alpha_s$  from the scaling violation in the fragmentation functions in  $e^+e^-$  annihilation**  
*Collaboration DELPHI*  
Phys. Lett. B311 (1993) 408
- 116. A Measurement of D Meson Production in  $Z^0$  Hadronic Decays**  
*Collaboration DELPHI*  
Zeit. Phys. C59 (1993) 533
- 117. Search for  $Z^0$  Decays to two Leptons and a charged Particle-Antiparticle Pair**  
*Collaboration DELPHI*  
Nucl. Phys. B403 (1993) 3
- 118. A Measurement of the Mean Lifetimes of Charged and Neutral B-Hadrons**  
*Collaboration DELPHI*  
Phys. Lett. B312 (1993) 253

**119. Limits on the production of scalar leptoquarks from  $Z^0$  decays at LEP**

*Collaboration DELPHI*

Phys. Lett. B316 (1993) 620

**120. Production of  $\Lambda$  and  $\Lambda\bar{\Lambda}$  Correlations in the Hadronic Decays of the  $Z^0$**

*Collaboration DELPHI*

Phys. Lett. B318 (1993) 249

**121. Measurement of the mass of the Z boson and the energy calibration of LEP**

*Collaboration DELPHI*

Physics Letters B307 (1993) 187

**122. Production Rate and Decay Lifetime Measurements of  $B_s^0$  mesons at LEP using  $D_s$  and  $\phi$  mesons**

*Collaboration DELPHI*

Zeit. Phys. C61 (1994) 407

**123. Measurement of the  $B^0 - \bar{B}^0$  Mixing using the Average Electric Charge of Hadron-Jets in  $Z^0$ -Decays**

*Collaboration DELPHI*

Phys. Lett. B322 (1994) 459

**124. Invariant mass dependence of particle correlations in hadronic final states from the decay of the  $Z^0$**

*Collaboration DELPHI*

Zeit. Phys. C63 (1994) 17

**125. Interference of Neutral Kaons in the Hadronic Decays of the  $Z^0$**

*Collaboration DELPHI*

Phys. Lett. B323 (1994) 242

**126. Study of hard scattering processes in multihadron production from  $\gamma\gamma$  collisions at LEP**

*Collaboration DELPHI*

Zeit. Phys. C62 (1994) 357

**127. Measurements of the Lineshape of the  $Z^0$  and Determination of Electroweak Parameters from its Hadronic and Leptonic Decays**

*Collaboration DELPHI*

Nucl. Phys. B417 (1994) 3

**128. A measurement of the  $B_s^0$  meson mass**

*Collaboration DELPHI*

Phys. Lett. B324 (1994) 500

**129. Improved measurements of cross sections and asymmetries at the  $Z^0$  resonance**

*Collaboration DELPHI*

Nucl. Phys. B418 (1994) 403

**130. A precision measurement of the average lifetime of  $B$  hadrons**

*Collaboration DELPHI*

Zeit. Phys. C63 (1994) 3

**131. Measurement of the  $e^+e^- \rightarrow \gamma\gamma(\gamma)$  cross section at LEP energies**

*Collaboration DELPHI*

Phys. Lett. B327 (1994) 386

**132. Search for the standard model Higgs boson in  $Z^0$  decays**

*Collaboration DELPHI*

Nucl. Phys. B421 (1994) 3

**133. Measurement of the  $B^0 - \bar{B}^0$  mixing parameter in DELPHI**

*Collaboration DELPHI*

Phys. Lett. B332 (1994) 488

**134. Search for pair-produced heavy scalars in  $Z^0$  decays**

*Collaboration DELPHI*

Zeit. Phys. C64 (1994) 183

**135. Charged Kaon Production in Tau Decays at LEP**

*Collaboration DELPHI*

Phys. Lett. B334 (1994) 435

**136.  $J/\Psi$  Production in the Hadronic Decays of the  $Z$**

*Collaboration DELPHI*

Phys. Lett. B341 (1994) 109

**137. Measurement of time dependent  $B_d^0 - \bar{B}_d^0$  mixing**

*Collaboration DELPHI*

Phys. Lett. B338 (1994) 409

**138. A Study of Radiative Muon-Pair Events at  $Z^0$  Energies and limits on an additional  $Z'$  gauge Boson**

*Collaboration DELPHI*

Zeit. Phys. C65 (1995) 603

**139. Production Characteristics of  $K^0$  and Light Meson Resonances in Hadronic Decays of the  $Z^0$**

*Collaboration DELPHI*

Zeit. Phys. C65 (1995) 587

**140. Measurement of the  $\Gamma_{b\bar{b}}/\Gamma_{had}$  Branching Ratio of the  $Z$  by Double Hemisphere Tagging**

*Collaboration DELPHI*

Zeit. Phys. C65 (1995) 555

**141. Measurement of the Forward-Backward Asymmetry of  $e^+e^- \rightarrow Z \rightarrow b\bar{b}$  using prompt leptons and a lifetime tag**

*Collaboration DELPHI*

Zeit. Phys. C65 (1995) 569

**142. First evidence of hard scattering processes in single tagged  $\gamma\gamma$  collisions**

*Collaboration DELPHI*

Phys. Lett. B342 (1995) 402

**143. Measurement of the Forward-Backward Asymmetry of charm and bottom Quarks at the  $Z$  Pole using  $D^{*\pm}$  Mesons**

*Collaboration DELPHI*

Zeit. Phys. C66 (1995) 341

**144. Observation of Orbitally Excited  $B$  Mesons**

*Collaboration DELPHI*

Phys. Lett. B345 (1995) 598

**145. Search for heavy neutral Higgs bosons in two-doublet models**

*Collaboration DELPHI*

Zeit. Phys. C67 (1995) 69

**146. First Measurement of the Strange Quark Asymmetry at the  $Z^0$  Peak**

*Collaboration DELPHI*

Zeit. Phys. C67 (1995) 1

**147. Production of Charged Particles,  $K_S^0$ ,  $K^\pm$ ,  $p$  and  $\Lambda$  in  $Z \rightarrow b\bar{b}$  Events and in the Decay of  $b$  Hadrons**

*Collaboration DELPHI*

Phys. Lett. B347 (1995) 447

**148. Measurement of  $\frac{\Gamma_{b\bar{b}}}{\Gamma_{had}}$  using Impact Parameter Measurements and Lepton Identification**

*Collaboration DELPHI*

Zeit. Phys. C66 (1995) 323

**149. Inclusive Measurements of the  $K^\pm$  and  $p\bar{p}$  Production in Hadronic  $Z^0$  Decays**

*Collaboration DELPHI*

Nucl. Phys. B444 (1995) 3

**150. Production of strange B-baryons decaying into  $\Xi^\mp - \ell^\mp$  pairs at LEP**

*Collaboration DELPHI*

Zeit. Phys. C68 (1995) 541

**151. Measurements of the  $\tau$  Polarisation in  $Z^0$  decays**

*Collaboration DELPHI*

Zeit. Phys. C67 (1995) 183

**152. Strange baryon production in  $Z$  hadronic decays**

*Collaboration DELPHI*

Zeit. Phys. C67 (1995) 543

**153.  $B^*$  Production in Z Decays**

*Collaboration DELPHI*

Zeit. Phys. C68 (1995) 353

**154. Lifetime and production rate of beauty baryons from Z decays**

*Collaboration DELPHI*

Zeit. Phys. C68 (1995) 363

**155. Lifetimes of Charged and Neutral B Hadrons using Event Topology**

*Collaboration DELPHI*

Zeit. Phys. C68 (1995) 363

**156. A Measurement of  $B^+$  and  $B^0$  Lifetimes using  $\bar{D}\ell^+$  events**

*Collaboration DELPHI*

Zeit. Phys. C68 (1995) 13

**157. Observation of short range three-particle correlations in  $e^+e^-$  annihilations at LEP energies**

*Collaboration DELPHI*

Phys. Lett. B355 (1995) 415

**158. A measurement of the photon structure function  $F_2^\gamma$  at an average  $Q^2$  of  $12 \text{ GeV}^2/c^4$**

*Collaboration DELPHI*

Zeit. Phys. C69 (1995) 223

**159. Search for exclusive charmless B meson decays with the DELPHI detector at LEP**

*Collaboration DELPHI*

Phys. Lett. B357 (1995) 255

**160. Study of Prompt Photon Production in Hadronic  $Z^0$  Decays**

*Collaboration DELPHI*

Zeit. Phys. C69 (1995) 1

**161. A Measurement of the  $\tau$  Leptonic Branching Fractions**

*Collaboration DELPHI*

Phys. Lett. B357 (1995) 715

**162. Upper limits on the branching ratios  $\tau \rightarrow \mu\gamma$   $\tau \rightarrow e\gamma$**

*Collaboration DELPHI*

Phys. Lett. B359 (1995) 411

**163. Measurement of  $\Delta^{++}(1232)$  Production in Hadronic Z Decays**

*Collaboration DELPHI*

Phys. Lett. B361 (1995) 207

## La Calorimétrie à Fibres de Quartz

### **164. Quartz Fibres : a new Calorimetry for MultiTeV, Very Forward Physics**

*P. Gorodetzky et al.*

Nucl. Phys. B44 (1995) 168

### **165. Recent Developments in Quartz Fibre Calorimetry**

*G. Anzivino, Yu. Chumarovsky, A. Contin, M. Danilov, G. Dellacasa, R. DeSalvo, V. Gavrilov, A. Golutvin, P. Gorodetzky, J.M. Helleboid, V. Isaev, K.F. Johnson, P. Juillot, S. Kuleshov, G. Lacommare, D. Lazić, D. Livintsev, M. Lundin, M. Marino, A. Musso, F. Ratnikov, V. Rusinov, V. Stolin, M. Vinogradov*

Nucl. Instr. and Meth. A357 (1995) 369

### **166. Quartz Fibre Calorimetry - Monte Carlo simulation**

*G. Anzivino, Yu. Chumarovsky, A. Contin, M. Danilov, G. Dellacasa, R. DeSalvo, V. Gavrilov, A. Golutvin, P. Gorodetzky, J.M. Helleboid, V. Isaev, K.F. Johnson, P. Juillot, S. Kuleshov, D. Lazić, D. Livintsev, M. Lundin, M. Marino, A. Musso, F. Ratnikov, V. Rusinov, V. Stolin, M. Vinogradov*

Nucl. Instr. and Meth. A357 (1995) 380

### **167. Review of the Hybrid Photo Diode Tube (HPD) an Advanced Light Detector for Physics**

*G. Anzivino, Yu. Chumarovsky, A. Contin, M. Danilov, G. Dellacasa, R. DeSalvo, V. Gavrilov, A. Golutvin, P. Gorodetzky, J.M. Helleboid, V. Isaev, K.F. Johnson, P. Juillot, S. Kuleshov, D. Lazić, D. Livintsev, M. Lundin, M. Marino, A. Musso, F. Ratnikov, V. Rusinov, V. Stolin, M. Vinogradov*

Nucl. Instr. and Meth. A360 (1995) 152

### **168. Angular Dependence of Quartz Fibre Response**

*G. Anzivino, Yu. Chumarovsky, A. Contin, M. Danilov, G. Dellacasa, R. DeSalvo, V. Gavrilov, A. Golutvin, P. Gorodetzky, J.M. Helleboid, V. Isaev, K.F. Johnson, P. Juillot, S. Kuleshov, D. Lazić, D. Livintsev, M. Lundin, M. Marino, A. Musso, F. Ratnikov, V. Rusinov, V. Stolin, M. Vinogradov*

Nucl. Instr. and Meth. A360 (1995) 237

### **169. Quartz Fibre Calorimetry**

*P. Gorodetzky, D. Lazić, G. Anzivino, E. Chiavassa, A. Contin, G. Dellacasa, N. DeMarco, R. DeSalvo, M. Gallio, P. Guaita, K.F. Johnson, P. Juillot, M. Lundin, M. Marino, A. Musso, A. Picotti, E. Scomparin, E. Vercellin*

Nucl. Instr. and Meth. A361 (1995) 161

### **170. New Results on Optical Fibre Cherenkov Calorimetry**

*A. Contin, R. DeSalvo, P. Gorodetzky, J.M. Helleboid, K.F. Johnson, P. Juillot, D. Lazić, M. Lundin*

Nucl. Instr. and Meth. A367 (1995) 271

### **171. On the Electromagnetic Resolution of Cherenkov Fiber Calorimeters**

*M. Lundin, A. Contin, G. Dellacasa, R. DeSalvo, M. Gallo, P. Gorodetzky, J.M. Helleboid, K.F. Johnson, P. Juillot, D. Lazić, A. Musso, E. Vercellin*

Nucl. Instr. and Meth. A372 (1996) 359

## **DELPHI (1996 - 2001)**

### **172. Measurement of Inclusive $\pi^0$ Production in hadronic $Z^0$ Decays**

*Collaboration DELPHI*

Zeit. Phys. C69 (1996) 561

### **173. Search for Promptly Produced Heavy Quarkonium States in Hadronic Z Decays**

*Collaboration DELPHI*

Zeit. Phys. C69 (1996) 575

### **174. A Precise Measurement of the Tau Lepton Lifetime**

*Collaboration DELPHI*

Phys. Lett. B365 (1996) 448

### **175. Energy Dependence of the Differences between the Quark and Gluon Jet Fragmentation**

*Collaboration DELPHI*

Zeit. Phys. C70 (1996) 179

### **176. Performance of the DELPHI Detector**

*Collaboration DELPHI*

Nucl. Instr. and Meth. A378 (1996) 57

### **177. Combining heavy flavour electroweak measurements at LEP**

*Collaboration DELPHI*

Nucl. Instr. and Meth. A378 (1996) 101

### **178. Search for New Phenomena Using Single Photon Events at LEP1**

*Collaboration DELPHI*

Zeit. Phys. C74 (1997) 577

### **179. Charged Particle Multiplicity in $e^+e^-$ Interactions at $\sqrt{s} = 130$ GeV**

*Collaboration DELPHI*

Phys. Lett. B372 (1996) 172

### **180. Measurement of the $B_d^0$ oscillation frequency using kaons, leptons and jet charge**

*Collaboration DELPHI*

Zeit. Phys. C72 (1996) 17

### **181. Determination of $|V_{cb}|$ from the semileptonic decay $B^0 \rightarrow D^{*-}\ell^+\nu$**

*Collaboration DELPHI*

Zeit. Phys. C71 (1996) 539

### **182. Production of $\Sigma^0$ and $\Omega^-$ in Z Decays**

*Collaboration DELPHI*

Zeit. Phys. C70 (1996) 371

**183. Updated Precision Measurement of the Average Lifetime of B Hadrons**

*Collaboration DELPHI*

Phys. Lett. B377 (1996) 195

**184. Measurement of the partial decay width  $R_b^0 = \Gamma_{b\bar{b}}/\Gamma_{had}$  of the Z with the DELPHI detector at LEP**

*Collaboration DELPHI*

Zeit. Phys. C70 (1996) 531

**185. Search for exclusive decays of the  $\Lambda_b$  baryon and measurement of its mass**

*Collaboration DELPHI*

Phys. Lett. B374 (1996) 351

**186. Determination of the average lifetime of  $b$ -baryons**

*Collaboration DELPHI*

Zeit. Phys. C71 (1996) 199

**187. First Measurement of  $f_2'(1525)$  Production in  $Z^0$  Hadronic Decays**

*Collaboration DELPHI*

Phys. Lett. B379 (1996) 309

**188. Mean lifetime of the  $B_s^0$  meson**

*Collaboration DELPHI*

Zeit. Phys. C71 (1996) 11

**189. First Study of the Interference between Initial and Final State Radiation at the Z Resonance**

*Collaboration DELPHI*

Zeit. Phys. C72 (1996) 31

**190. Kaon Interference in the Hadronic Decays of the Z**

*Collaboration DELPHI*

Phys. Lett. B379 (1996) 330

**191. Study of radiative leptonic events with hard photons and search for excited charged leptons at  $\sqrt{s} = 130 - 136$  GeV**

*Collaboration DELPHI*

Phys. Lett. B380 (1996) 480

**192. Search for anomalous production of single photons at  $\sqrt{s} = 130$  and  $136$  GeV**

*Collaboration DELPHI*

Phys. Lett. B380 (1996) 471

**193. Study of rare  $b$  decays with the DELPHI detector at LEP**

*Collaboration DELPHI*

Zeit. Phys. C72 (1996) 207

**194. Search for the lightest chargino at  $\sqrt{s} = 130$  and 136 GeV in DELPHI**

*Collaboration DELPHI*

Phys. Lett. B382 (1996) 323

**195. Search for high mass  $\gamma\gamma$  resonances in  $e^+e^- \rightarrow \ell^+\ell^-\gamma\gamma, \nu\bar{\nu}\gamma\gamma$  and  $q\bar{q}\gamma\gamma$  at LEP I**

*Collaboration DELPHI*

Zeit. Phys. C72 (1996) 179

**196. Measurement of Inclusive  $K^{*0}(892), \phi(1020)$  and  $K_2^{*0}(1430)$  Production in Hadronic Z Decays**

*Collaboration DELPHI*

Zeit. Phys. C73 (1996) 61

**197. Search for neutralinos, scalar leptons and scalar quarks in  $e^+e^-$  interactions at  $\sqrt{s} = 130$  GeV and 136 GeV**

*Collaboration DELPHI*

Phys. Lett. B387 (1996) 651

**198. Search for Pair Production of Heavy Objects in 4-Jet Events at  $\sqrt{s} = 130 - 136$  GeV**

*Collaboration DELPHI*

Zeit. Phys. C73 (1996) 1

**199. Tuning and Test of Fragmentation Models Based on Identified Particles and Precision Event Shape Data**

*Collaboration DELPHI*

Zeit. Phys. C73 (1996) 11

**200. An Upper Limit for  $Br(Z^0 \rightarrow ggg)$  from Symmetric 3-jet  $Z^0$  Hadronic Decay**

*Collaboration DELPHI*

Phys. Lett. B389 (1996) 405

**201. Search for Lepton Flavour Number violating  $Z^0$ -Decays**

*Collaboration DELPHI*

Zeit. Phys. C73 (1997) 243

**202. Measurement of Event Shape and Inclusive Distributions at  $\sqrt{s} = 130$  and 136 GeV**

*Collaboration DELPHI*

Zeit. Phys. C73 (1997) 229

**203. A precise measurement of the  $B_d^0$  meson lifetime using a new technique**

*Collaboration DELPHI*

Zeit. Phys. C74 (1997) 19

**204. Search for excited leptons in  $e^+e^-$  collisions at  $\sqrt{s} = 161$  GeV**

*Collaboration DELPHI*

Phys. Lett. B393 (1997) 245

**205. A Measurement of  $\alpha_s$  from the Scaling Violation in  $e^+e^-$  Annihilation**

*Collaboration DELPHI*

Phys. Lett. B398 (1997) 194

**206. Search for stable heavy charged particles in  $e^+e^-$  collisions at  $\sqrt{s} = 130-136, 161$  and  $172$  GeV**

*Collaboration DELPHI*

Phys. Lett. B396 (1997) 315

**207. Identified Particles in Quark and Gluon Jets**

*Collaboration DELPHI*

Phys. Lett. B401 (1997) 118

**208. Search for the  $B_c$  Meson**

*Collaboration DELPHI*

Phys. Lett. B398 (1997) 207

**209. Search for Neutral Heavy Leptons Produced in Z Decays**

*Collaboration DELPHI*

Zeit. Phys. C74 (1997) 57

**210. Measurement and interpretation of the W-pair cross-section in  $e^+e^-$  interactions at 161 GeV**

*Collaboration DELPHI*

Phys. Lett. B397 (1997) 158

**211. Measurement of Correlations between Pions from Different W's in  $e^+e^- \rightarrow W^+W^-$  Events**

*Collaboration DELPHI*

Phys. Lett. B401 (1997) 181

**212. Measurement of the transverse spin correlation in  $Z \rightarrow \tau^+\tau^-$  decays**

*Collaboration DELPHI*

Phys. Lett. B404 (1997) 194

**213. Measurement of the Multiplicity of Gluons Splitting to Bottom Quark Pairs in Hadronic  $Z^0$  Decays**

*Collaboration DELPHI*

Phys. Lett. B405 (1997) 202

**214. A study of the reaction  $e^+e^- \rightarrow \mu^+\mu^-\gamma_{ISR}$  at LEP and search for new physics at annihilation energies near 80 GeV**

*Collaboration DELPHI*

Zeit. Phys. C75 (1997) 581

**215. Measurement of  $B_d^0 - \overline{B}_d^0$  oscillations**

*Collaboration DELPHI*

Zeit. Phys. C76 (1997) 579

**216. Measurement of the Spin Density Matrix for the  $\rho^0$ ,  $K^{*0}(892)$  and  $\phi$  Produced in  $Z^0$  Decays**

*Collaboration DELPHI*

Phys. Lett. B406 (1997) 271

**217. Observation of Charge-Ordering in Particle Production in Hadronic  $Z^0$  Decay**

*Collaboration DELPHI*

Phys. Lett. B407 (1997) 174

**218. Measurement of the Triple Gluon Vertex from double quark tagged 4-Jet Events**

*Collaboration DELPHI*

Phys. Lett. B414 (1997) 401

**219. Search for  $B_s^0 - \bar{B}_s^0$  oscillations**

*Collaboration DELPHI*

Phys. Lett. B414 (1997) 382

**220. Rapidity Correlations in  $\Lambda$  Baryon and Proton Production in Hadronic  $Z^0$  Decays**

*Collaboration DELPHI*

Phys. Lett. B416 (1998) 247

**221. Search for neutral and charged Higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s}=161$  GeV and 172 GeV**

*Collaboration DELPHI*

E. Phys. J. C2 (1998) 1

**222. Search for charginos, neutralinos and gravitinos at LEP**

*Collaboration DELPHI*

E. Phys. J. C1 (1998) 1

**223. Charged Particle Multiplicity in  $e^+e^- \rightarrow q\bar{q}$  events at 161 and 172 GeV and from the Decay of the W Boson**

*Collaboration DELPHI*

Phys. Lett. B416 (1998) 233

**224.  $m_b$  at  $M_Z$**

*Collaboration DELPHI*

Phys. Lett. B418 (1998) 430

**225. Search for charged Higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s} = 172$  GeV**

*Collaboration DELPHI*

Phys. Lett. B420 (1998) 140

**226. Measurement of the W-pair cross-section and of the W mass in  $e^+e^-$  interactions at 172 GeV**

*Collaboration DELPHI*

E. Phys. J. C2 (1998) 581

**227. Measurement of Trilinear Gauge Couplings in  $e^+e^-$  Collisions at 161 GeV and 172 GeV**

*Collaboration DELPHI*

Phys. Lett. B423 (1998) 194

**228. Measurement of the inclusive charmless and double-charm  $B$  branching ratios**

*Collaboration DELPHI*

Phys. Lett. B426 (1998) 193

**229. A study of the hadronic resonance structure in the decay  $\tau \rightarrow 3\pi\nu_\tau$**

*Collaboration DELPHI*

Phys. Lett. B426 (1998) 411

**230. Investigation of the Splitting of Quark and Gluon Jets**

*Collaboration DELPHI*

E. Phys. J. C4 (1998) 1

**231. First Evidence for a Charm Radial Excitation,  $D^{*'}$**

*Collaboration DELPHI*

Phys. Lett. B426 (1998) 231

**232. Measurement of the charged particle multiplicity of weakly decaying  $B$  hadrons**

*Collaboration DELPHI*

Phys. Lett. B425 (1998) 399

**233. Measurement of the  $e^+e^- \rightarrow \gamma\gamma(\gamma)$  cross section at the LEP energies**

*Collaboration DELPHI*

Phys. Lett. B433 (1998) 429

**234.  $\pi^\pm, K^\pm, p$  and  $\bar{p}$  production in  $Z^0 \rightarrow q\bar{q}, Z^0 \rightarrow b\bar{b}, Z^0 \rightarrow u\bar{u}, d\bar{d}, s\bar{s}$**

*Collaboration DELPHI*

E. Phys. J. C5 (1998) 585

**235. Measurement of  $|V_{cs}|$  using  $W$  decays at LEP2**

*Collaboration DELPHI*

Phys. Lett. B439 (1998) 209

**236. Two-Particle Angular Correlations in  $e^+e^-$  Interactions compared with QCD Predictions**

*Collaboration DELPHI*

Phys. Lett. B440 (1998) 203

**237. A Search for  $\eta'_c$  Production in Photon-Photon Fusion at LEP**

*Collaboration DELPHI*

Phys. Lett. B441 (1998) 479

**238. A Search for Heavy Stable and Long-Lived Squarks and Sleptons in  $e^+e^-$  Collisions at Energies from 130 to 183 GeV**

*Collaboration DELPHI*

Phys. Lett. B444 (1998) 491

**239. Search for Scalar Fermions and Long-Lived Scalar Leptons at Centre-of-mass Energies of 130 GeV to 172 GeV**

*Collaboration DELPHI*

E. Phys. J. C6 (1999) 385

**240. Search for pair-produced neutralinos in events with photons and missing energy from  $e^+e^-$  collisions at  $\sqrt{s} = 130\text{--}183$  GeV**

*Collaboration DELPHI*

E. Phys. J. C6 (1999) 371

**241. Search for composite and exotic fermions at LEP 2**

*Collaboration DELPHI*

E. Phys. J. C8 (1999) 41

**242. Search for lightest neutralino and stau pair production in light gravitino scenarios with stau NLSP**

*Collaboration DELPHI*

E. Phys. J. C7 (1999) 595

**243. Measurement of the Quark and Gluon Fragmentation Functions in  $Z^0$  Hadronic Decays**

*Collaboration DELPHI*

E. Phys. J. C6 (1999) 19

**244. Search for charginos, neutralinos and gravitinos in  $e^+e^-$  interactions at  $\sqrt{s} = 183$  GeV**

*Collaboration DELPHI*

Phys. Lett. B446 (1999) 75

Erratum : Phys. Lett. B451 (1999) 447

**245. Search for Leptoquarks and FCNC in  $e^+e^-$  annihilations at  $\sqrt{s} = 183$  GeV**

*Collaboration DELPHI*

Phys. Lett. B446 (1999) 62

**246. A precise measurement of the partial decay width ratio  $R_b^0 = \Gamma_{b\bar{b}}/\Gamma_{\text{had}}$**

*Collaboration DELPHI*

E. Phys. J. C10 (1999) 415

**247. Measurement of  $A_{FB}^{b\bar{b}}$  in Hadronic Z Decays using a Jet Charge Technique**

*Collaboration DELPHI*

E. Phys. J. C9 (1999) 367

**248. Study of the four-jet anomaly observed at LEP centre-of-mass energies of 130 and 136 GeV**

*Collaboration DELPHI*

Phys. Lett. B448 (1999) 311

- 249. Measurement of Inclusive  $\rho^0$ ,  $f_0(980)$ ,  $f_2(1270)$ ,  $K_2^{*0}(1430)$  and  $f_2'(1525)$  Production in  $Z^0$  Decays**  
*Collaboration DELPHI*  
Phys. Lett. B449 (1999) 364
- 250. The Scale Dependence of the Hadron Multiplicity in Quark and Gluon Jets and a Precise Determination of  $C_A/C_F$**   
*Collaboration DELPHI*  
Phys. Lett. B449 (1999) 383
- 251. Measurement and Interpretation of Fermion-Pair Production at LEP energies from 130 to 172 GeV**  
*Collaboration DELPHI*  
Eur. Phys. J. C11 (1999) 383
- 252. Search for neutral Higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s} = 183$  GeV**  
*Collaboration DELPHI*  
Eur. Phys. J. C10 (1999) 563
- 253. Measurement of the forward backward asymmetry of  $c$  and  $b$  quarks at the  $Z$  pole using reconstructed  $D$  mesons**  
*Collaboration DELPHI*  
E. Phys. J. C10 (1999) 219
- 254. Measurement of the Lifetime of b-baryons**  
*Collaboration DELPHI*  
E. Phys. J. C10 (1999) 185
- 255. Search for charginos nearly mass-degenerate with the lightest neutralino**  
*Collaboration DELPHI*  
Eur. Phys. J. C11 (1999) 1
- 256. Energy Dependence of Event Shapes and of  $\alpha_s$  at LEP 2**  
*Collaboration DELPHI*  
Phys. Lett. B456 (1999) 322
- 257. Measurements of the leptonic branching fractions of the tau**  
*Collaboration DELPHI*  
E. Phys. J. C10 (1999) 201
- 258. W pair production cross-section and W branching fractions in  $e^+e^-$  interactions at 183 GeV**  
*Collaboration DELPHI*  
Phys. Lett. B456 (1999) 310
- 259. Measurement of the gluon fragmentation function and a comparison of the scaling violation in gluon and quark jets**  
*Collaboration DELPHI*  
E. Phys. J. C13 (2000) 573

- 260. Search for supersymmetry with R-parity violating  $LL\bar{E}$  couplings at  $\sqrt{s} = 183$  GeV**  
*Collaboration DELPHI*  
E. Phys. J. C13 (2000) 591
- 261. Multiplicity Fluctuations in One- and Two-Dimensional Angular Intervals Compared with Analytic QCD Calculations**  
*Collaboration DELPHI*  
Phys. Lett. B457 (1999) 368
- 262. Energy Dependence of Inclusive Spectra in  $e^+e^-$  Annihilation**  
*Collaboration DELPHI*  
Phys. Lett. B459 (1999) 397
- 263. Search for the Higgs boson in events with isolated photons at LEP 2**  
*Collaboration DELPHI*  
Phys. Lett. B458 (1999) 431
- 264. A search for invisible Higgs bosons produced in  $e^+e^-$  interactions at LEP 2 energies**  
*Collaboration DELPHI*  
Phys. Lett. B459 (1999) 367
- 265. Measurements of the Trilinear Gauge Boson Couplings  $WWV$  ( $V \equiv \gamma, Z$ ) in  $e^+e^-$  Collisions at 183 GeV**  
*Collaboration DELPHI*  
Phys. Lett. B459 (1999) 382
- 266. Measurements of the  $Z$  Partial Decay Width into  $c\bar{c}$  and Multiplicity of Charm Quarks per  $b$  Decay**  
*Collaboration DELPHI*  
E. Phys. J. C12 (2000) 225
- 267. Determination of  $P(c \rightarrow D^{*+})$  and  $BR(c \rightarrow l^+)$  at LEP 1**  
*Collaboration DELPHI*  
E. Phys. J. C12 (2000) 209
- 268. Search for Charged Higgs Bosons at LEP 2**  
*Collaboration DELPHI*  
Phys. Lett. B460 (1999) 484
- 269. Measurement of the mass of the  $W$  boson using direct reconstruction at  $\sqrt{s} = 183$  GeV**  
*Collaboration DELPHI*  
Phys. Lett. B462 (1999) 410
- 270. Measurement of the rate of  $b\bar{b}b\bar{b}$  events in hadronic  $Z$**   
*Collaboration DELPHI*  
Phys. Lett. B462 (1999) 425

**271. Search for chargino pair production in scenarios with gravitino LSP and stau NLSP at  $\sqrt{s} \sim 183$  GeV at LEP**

*Collaboration DELPHI*

Phys. Lett. B466 (1999) 61

**272. Consistent Measurements of  $\alpha_s$  from Precise Oriented Event Shape Distribution**

*Collaboration DELPHI*

E. Phys. J. C14 (2000) 557

**273. Measurement of the strange quark forward-backward asymmetry around the  $Z^0$  peak**

*Collaboration DELPHI*

E. Phys. J. C14 (2000) 557

**274. Measurement of the Gluon Fragmentation Function and a Comparison of the Scaling Violation in Gluon and Quark Jets**

*Collaboration DELPHI*

E. Phys. J. C14 (2000) 613

**275.  $\Lambda_b$  Polarization in  $Z^0$  decays at LEP**

*Collaboration DELPHI*

Phys. Lett. B474 (2000) 205

**276. Two-dimensional Analysis of the Bose-Einstein Correlations in  $e^+e^-$  Annihilation at the  $Z^0$  peak**

*Collaboration DELPHI*

Phys. Lett. B471 (2000) 460

**277. A Precise Measurement of the  $\tau$  Polarisation at LEP-1**

*Collaboration DELPHI*

E. Phys. J. C14 (2000) 585

**278. Upper Limit for the Decay  $B^- \rightarrow \tau^- \bar{\nu}_\tau$  and Measurement of the  $b \rightarrow \tau \bar{\nu}_\tau X$  Branching Ratio**

*Collaboration DELPHI*

Phys. Lett. B496 (2000)43

**279. Measurement of the  $\bar{B} \rightarrow D^* \pi l \bar{\nu}_l$  branching fraction**

*Collaboration DELPHI*

Phys. Lett. B475 (2000) 407

**280. Identified Charged Particles and Resonances in Quark and Gluon Jets**

*Collaboration DELPHI*

E. Phys. J. C.17 (2000) 207

**281. Search for charginos in  $e^+e^-$  interactions at  $\sqrt{s} = 189$  GeV**

*Collaboration DELPHI*

Phys. Lett. B479 (2000) 129

- 282. Inclusive  $\Sigma^-$  and  $\Lambda(1520)$  production in hadronic Z decays**  
*Collaboration DELPHI*  
Phys. Lett. B475 (2000) 429
- 283. Hadronization properties of b quarks compared to light quarks in  $e^+e^- \rightarrow q\bar{q}$  from 183 to 200 GeV**  
*Collaboration DELPHI*  
Phys. Lett. B479 (2000) 118  
Phys. Lett. B492 (2000) 398
- 284. Search for supersymmetric particles in scenarios with gravitino LSP and stau NLSP**  
*Collaboration DELPHI*  
E. Phys. J.C.16 (2000) 211
- 285. Search for Heavy Stable and Long-Lived Particles in  $e^+e^-$  Collisions at  $\sqrt{s} = 189$  GeV**  
*Collaboration DELPHI*  
Phys. Lett. B. 478 (2000) 65
- 286. Photon Events with Missing Energy at  $\sqrt{s} = 183$  to 189 GeV**  
*Collaboration DELPHI*  
E. Phys. J. C17 (2000) 53
- 287. Charged and Identified Particles in the Hadronic Decay of W Bosons and in  $e^+e^- \rightarrow q\bar{q}$  from 130 to 200 GeV**  
*Collaboration DELPHI*  
E. Phys. J. C18 (2000)203
- 288. A study of the Lorentz Structure in Tau Decays**  
*Collaboration DELPHI*  
E. Phys.J. C.16 (2000) 229
- 289. Determination of  $|V_{ub}|/|V_{cb}|$  with DELPHI at LEP**  
*Collaboration DELPHI*  
Phys. Lett. B. 478 (2000) 14
- 290. Update of the search for charginos nearly mass-degenerate with the lightest neutralino**  
*Collaboration DELPHI*  
Phys. Lett. B485 (2000) 95
- 291. W pair production cross-section and W branching fractions in  $e^+e^-$  interactions at 189 GeV**  
*Collaboration DELPHI*  
Phys. Lett. 479 (2000) 89
- 292. Cross Sections and Leptonic Forward-Backward Asymmetries from the  $Z^0$  Running at LEP**  
*Collaboration DELPHI*  
E. Phys. J. C.16 (2000) 371

**293. Search for neutral higgs bosons in  $e^+e^-$  collisions at  $\sqrt{s} = 189$  GeV**

*Collaboration DELPHI*

E. Phys. J. C.17 (2000) 187 (addendum 549)

**294. Measurement of  $B_s^0$  lifetime and study of the  $B_s^0-\bar{B}_s^0$**

*Collaboration DELPHI*

E. Phys. J. C16 (2000) 555

**295. Search for neutral Limits on Higgs Boson Masses and  $\tan\beta$  from a MSSM Parameter Scan at  $\sqrt{s} = 189$  GeV**

*Collaboration DELPHI*

Addendum E. Phys. J. C17 (2000) 549

**296. A search for invisible Higgs Boson produced in  $e^+e^-$  interactions up to  $\sqrt{s} = 189$  GeV**

*Collaboration DELPHI*

Phys. Lett. B458 (1999) 431

**297. Search for SUSY with R-parity violating LL  $\bar{E}$  couplings at  $\sqrt{s} = 189$  GeV**

*Collaboration DELPHI*

Phys. Lett. B486 (2000) 36

**298. Measurement and interpretation of fermion-pair production at LEP energies from 183 to 189 GeV**

*Collaboration DELPHI*

Phys. Lett. B485 (2000)45

**299. Rapidity-Rank Structure of  $p\bar{p}$  Pairs in Hadronic  $Z^0$  Decays**

*Collaboration DELPHI*

Phys. Lett. B490 (2000) 61

**300. Study of  $B_s^0-\bar{B}_s^0$  oscillations and  $B_s^0$  lifetimes using hadronic decays of  $B_s^0$  mesons**

*Collaboration DELPHI*

E. Phys. J. C18 (2000) 229

**301. Limits on the masses of Supersymmetric Particles at  $\sqrt{s} = 189$  GeV**

*Collaboration DELPHI*

Phys. Lett. B489 (2000) 38

**302. Measurement of the ZZ cross-section in  $e^+e^-$  interactions at 183 to 189 GeV**

*Collaboration DELPHI*

Physics Letters B497 (2000) 199

**303. Determination of the  $e^+e^- \rightarrow \gamma\gamma(\gamma)$  cross-section at centre- of-mass energies ranging from 189 GeV to 202 GeV**

*Collaboration DELPHI*

Phys. Lett. B491 (2000) 67

- 304. Search for supersymmetric partners of top and bottom quarks at  $\sqrt{s} = 189$  GeV**  
*Collaboration DELPHI*  
Physics Letters B496 (2000) 59
- 305. Search for sgoldstino at  $\sqrt{s}$  from 189 to 202 GeV**  
*Collaboration DELPHI*  
Physics Letters B494 (2000) 203
- 306. Search for Spontaneous R-parity violation at  $\sqrt{s} = 183$  and 189 GeV**  
*Collaboration DELPHI*  
Physics Letters B502 (2001) 24
- 307. Search for R-parity violation with a  $\overline{UDD}$  coupling at  $\sqrt{s} = 189$  GeV**  
*Collaboration DELPHI*  
Physics Letters B500 (2001) 22
- 308. Search for neutralino pair production at  $\sqrt{s} = 189$  GeV**  
*Collaboration DELPHI*  
Euro. Physics J.C. 19 (2001) 201
- 309. Search for sleptons in  $e^+e^-$  collisions at  $\sqrt{s} = 183$  to 189 GeV**  
*Collaboration DELPHI*  
Euro. Physics J.C. 19 (2001) 29
- 310. Study of Dimuon Production in Photon-Photon Collisions and Measurement of QED Photon Structure Functions at LEP**  
*Collaboration DELPHI*  
Euro. Physics J.C. 19 (2001) 15
- 311. Measurement of  $V_{cb}$  from the decay process  $\overline{B}^0 \rightarrow D^{*+}\ell^-\overline{\nu}$**   
*Collaboration DELPHI*  
Physics Letters B510 (2001) 55
- 312. Search for the Standard Model Higgs boson at LEP in year 2000**  
*Collaboration DELPHI*  
Physics Letters B499 (2001)23
- 313. Measurement of Trilinear Gauge Boson Couplings  $WWW$ , ( $V \equiv Z, \gamma$ ) in  $e^+e^-$  Collisions at 189 GeV**  
*Collaboration DELPHI*  
Phys. Rev. Lett. 502 (2001) 9
- 314. Update of the search for supersymmetric particles in scenarios with Gravitino LSP and Sleptons NLSP**  
*Collaboration DELPHI*  
Physics Letters B503 (2001) 34
- 315. Search for a fermiophobic Higgs at LEP2**  
*Collaboration DELPHI*  
Physics Letters B507 (2001) 89

**316. Measurement of the mass and width of the W boson in  $e^+e^-$  collisions at  $\sqrt{s}=189$  GeV**

*Collaboration DELPHI*

Physics Letters B511 (2001) 159

**317. Measurement of the semileptonic b branching fractions and average b mixing parameter in Z decays**

*Collaboration DELPHI*

Euro. Physics J.C. 20 (2001) 455

**318. A Measurement of the Tau topological Branching Ratios**

*Collaboration DELPHI*

Euro. Physics J.C. 20 (2001) 617

**319. Single Intermediate Vector Boson Production in  $e^+e^-$  collisions at  $\sqrt{s} = 183$  and  $189$  GeV**

*Collaboration DELPHI*

Phys.Lett. B515 (2001) 238

**320. Precision electroweak measurements on the  $Z^0$  resonance**

*S. Schael et al.*

Physics Reports 427 (2006) 257

**Le développement de détecteurs de type MSGC pour CMS**

**321. Report on the CMS forward-backward MSGC Milestone**

*O. Bouhali et al.*

Nucl. Instr. and Methods A419 (1998) 375

**322. Large scale test of a wedge shaped micro strip gas counter**

*M. Ackermann et al.*

Nucl. Instr. and Methods A436 (1999) 313

**323. Robustness test of a system of GEM+MSGC detectors at the Cyclotron Facility of the Paul Scherrer Institute**

*M. Ageron et al.*

Nucl. Instr. and Methods A471 (2001) 380

doi : 10.1016/S0168-9002(01)00851-8

**324. Experimental and simulation study of the behaviour and operation modes of MSGC+GEM detectors**

*M. Ageron et al.*

Nucl. Instr. and Methods A489 (2002) 121

doi : 10.1016/S0168-9002(02)00893-8

## Le trajectographe de CMS

### **325. The Silicon Sensors for the Compact Muon Solenoid Tracker - Design and Qualification Procedure**

*J.-L. Agram et al.*

Nucl. Instr. and Methods A517 (2004) 77

doi : 10.1016/j.nima.2003.08.175

### **326. The effect of highly ionising particles on the CMS silicon strip tracker**

*W. Adam et al.*

Nucl. Instr. and Methods A543 (2005) 463

doi : 10.1016/j.nima.2004.11.049

### **327. The CMS Tracker operation and performance at the Magnet Test and Cosmic Challenge**

*W. Adam et al.*

Journal of Instrumentation 3, (2008) P07006

doi : 10.1088/1748-0221/3/07/P07006

### **328. Stand-alone cosmic muon reconstruction before installation of the CMS silicon strip tracker**

*CMS Tracker Collaboration*

Journal of Instrumentation 4, (2009) P05004

doi : 10.1088/1748-0221/4/05/P05004

### **329. Performance studies of the CMS Strip Tracker before installation**

*CMS Tracker Collaboration*

Journal of Instrumentation 4, (2009) P06009

doi : 10.1088/1748-0221/4/06/P06009

### **330. Alignment of the CMS strip tracker during stand-alone commissioning**

*CMS Tracker Collaboration*

Journal of Instrumentation 4, (2009) T07001

doi : 10.1088/1748-0221/4/07/T07001

### **331. Commissioning of the CMS experiment and the cosmic run at four tests**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03001

doi : 10.1088/1748-0221/5/03/T03001

### **332. Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03008

doi : 10.1088/1748-0221/5/03/T03008

**333. Alignment of the CMS silicon tracker during commissioning with cosmic rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03009

doi : 10.1088/1748-0221/5/03/T03009

## **CMS Commissioning with Cosmic Rays**

**334. Performance of the CMS Level-1 Trigger during Commissioning with Cosmic Ray Muons**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03002

doi : 10.1088/1748-0221/5/03/T03002

**335. Performance of the CMS Drift-Tube Local Trigger with Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03003

doi : 10.1088/1748-0221/5/03/T03003

**336. Fine Synchronization of the CMS Muon Drift-Tube Local Trigger using Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03004

doi : 10.1088/1748-0221/5/03/T03004

**337. Commissioning of the CMS High-Level Trigger with Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03005

doi : 10.1088/1748-0221/5/03/T03005

**338. CMS Data Processing Workflows during an Extended Cosmic Ray Run**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03006

doi : 10.1088/1748-0221/5/03/T03006

**339. Commissioning and performance of the CMS pixel tracker with cosmic ray muons**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03007

doi : 10.1088/1748-0221/5/03/T03007

**340. Measurement of the Muon Stopping Power in Lead Tungstate.**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03007

doi : 10.1088/1748-0221/5/03/P03007

**341. Performance and Operation of the CMS Electromagnetic Calorimeter**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03010

doi : 10.1088/1748-0221/5/03/T03010

**342. Time Reconstruction and Performance of the CMS Electromagnetic Calorimeter**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03011

doi : 10.1088/1748-0221/5/03/T03011

**343. Performance of the CMS Hadron Calorimeter with Cosmic Ray Muons and LHC Beam Data**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03012

doi : 10.1088/1748-0221/5/03/T03012

**344. Performance of CMS Hadron Calorimeter Timing and Synchronization using Test Beam, Cosmic Ray, and LHC Beam Data**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03013

doi : 10.1088/1748-0221/5/03/T03013

**345. Identification and Filtering of Uncharacteristic Noise in the CMS Hadron Calorimeter**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03014

doi : 10.1088/1748-0221/5/03/T03014

**346. Performance of the CMS Drift Tube Chambers with Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03015

doi : 10.1088/1748-0221/5/03/T03015

**347. Calibration of the CMS Drift Tube Chambers and Measurement of the Drift Velocity with Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03016

doi : 10.1088/1748-0221/5/03/T03016

**348. Performance Study of the CMS Barrel Resistive Plate Chambers with Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03017

doi : 10.1088/1748-0221/5/03/T03017

**349. Performance of the CMS Cathode Strip Chambers with Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03018

doi : 10.1088/1748-0221/5/03/T03018

**350. Alignment of the CMS Muon System with Cosmic-Ray and Beam-Halo Muons**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03020

doi : 10.1088/1748-0221/5/03/T03020

**351. Aligning the CMS Muon Chambers with the Muon Alignment System during an Extended Cosmic Ray Run**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03019

doi : 10.1088/1748-0221/5/03/T03019

**352. Precise Mapping of the Magnetic Field in the CMS Barrel Yoke using Cosmic Rays**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03021

doi : 10.1088/1748-0221/5/03/T03021

**353. Performance of CMS Muon Reconstruction in Cosmic-Ray Events**

*CMS Collaboration*

Journal of Instrumentation 5, (2010) T03022

doi : 10.1088/1748-0221/5/03/T03022

## **CMS**

**354. CMS physics technical design report, volume II : Physics performance**

*G.L. Bayatian et al.*

Journal of Physics G Nuclear and Particle Physics 34 (2007) 995-1579

doi : 10.1088/0954-3899/34/6/S01

**355. The CMS experiment at the CERN LHC**

*S. Chatrchyan et al.*

Journal of Instrumentation, 3 (2008) S08004

doi : 10.1088/1748-0221/3/08/S08004

**356. Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at  $\sqrt{s} = 0.9$  and 2.36 TeV**

*CMS Collaboration*

Journal of High Energy Physics, 02 (2010) 041

doi : 10.1007/JHEP02(2010)041

**357. Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev.Lett. 105, 022002 (2010)

doi : 10.1103/PhysRevLett.105.022002

**358. Measurement of the charge ratio of atmospheric muons with the CMS detector**

*CMS Collaboration*

Phys. Lett. B692, 83 (2010)

doi : 10.1016/j.physletb.2010.07.033

**359. First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at  $\sqrt{s}=0.9$  and 2.36 TeV at the LHC**

*CMS Collaboration*

Phys. Rev. Lett. 105, 032001 (2010)

doi : 10.1103/PhysRevLett.105.032001

**360. Observation of Long-Range Near-Side Angular Correlations in Proton-Proton Collisions at the LHC**

*CMS Collaboration*

Journal of High Energy Physics, 09 (2010) 091

doi : 10.1007/JHEP09(2010)091

**361. First Measurement of the Underlying Event Activity at the LHC with  $\sqrt{s} = 0.9$  TeV**

*CMS Collaboration*

Euro. Physics J.C. 70 (2010) 555

doi : 10.1140/epjc/s10052-010-1453-9

**362. CMS Tracking Performance Results from early LHC Operation**

*CMS Collaboration*

Euro. Physics J.C. 70 (2010) 1165

doi : 10.1140/epjc/s10052-010-1491-3

**363. Search for Dijet Resonances in 7 TeV pp Collisions at CMS**

*CMS Collaboration*

Phys. Rev. Lett. 105, 211801 (2010)

doi : 10.1103/PhysRevLett.105.211801

**364. Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 105, 262001 (2010)

doi : 10.1103/PhysRevLett.105.262001

**365. prompt and non-prompt  $J/\Psi$  production in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Eur. Phys. J. C 71 (2011) 1575

doi : 10.1140/epjc/s10052-011-1575-8

**366. Charged particle multiplicities in pp interactions at  $\sqrt{s} = 0.9, 2.36,$  and 7 TeV**

*CMS Collaboration*

Journal of High Energy Physics, 01 (2011) 079

doi : 10.1007/JHEP01(2011)079

**367. First Measurement of the Cross Section for Top-Quark Pair Production in Proton-Proton Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B695, 424 (2011)

doi : 10.1016/j.physletb.2010.11.058

**368. Search for Stopped Gluinos in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 106, 011801 (2011)

doi : 10.1103/PhysRevLett.106.011801

**369. Measurements of Inclusive W and Z Cross Sections in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Journal of High Energy Physics, 01 (2011) 080

doi : 10.1007/JHEP01(2011)080

**370. Search for Microscopic Black Hole Signatures at the Large Hadron Collider**

*CMS Collaboration*

Phys. Lett. B 697, 434 (2011)

doi : 10.1016/j.physletb.2011.02.032

**371. Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys.Rev.Lett. 106, 082001 (2011)

doi : 10.1103/PhysRevLett.106.082001

**372. Dijet Azimuthal Decorrelations in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 106 (2011) 122003

doi : 10.1103/PhysRevLett.106.12

**373. Measurement of Bose-Einstein Correlations in pp Collisions at  $\sqrt{s} = 0.9$  and 7 TeV**

*CMS Collaboration*

J. High Energy Phys. 05 (2011) 029

doi : 10.1007/JHEP05(2011)029

**374. Inclusive b-hadron production cross section with muons in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Journal of High Energy Physics, 03 (2011) 090

doi : 10.1007/JHEP03(2011)090

**375. Search for a heavy gauge boson  $W'$  in the final state with an electron and large missing transverse energy in pp at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys.Rev.Lett. B, 698 (2011) 21

doi : 10.1016/j.physletb.2011.02.048

**376. Search for Resonances in the Dilepton Mass Distribution in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 05 (2011) 093

doi : 10.1007/JHEP05(2011)093

**377. Search for Supersymmetry in pp Collisions at 7 TeV in Events with Jets and Missing Transverse Energy**

*CMS Collaboration*

Phys. Lett. B 698 (2011) 196

doi : 10.1016/j.physletb.2011.03.021

**378. Search for Heavy Stable Charged Particles in pp collisions at state with an electron and large missing transverse energy in pp at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 03 (2011) 024

doi : 10.1007/JHEP03(2011)0240

**379. Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 106 (2011) 201802

doi : 10.1103/PhysRevLett.106.201802

**380. Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 106 (2011) 201803

doi : 10.1103/PhysRevLett.106.201803

**381. Upsilon production cross section in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. D 83 (2011) 112004

doi : 10.1103/PhysRevD.83.112004

**382. First Measurement of Hadronic Event Shapes in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B 699 (2011) 48

doi : 10.1016/j.physletb.2011.03.060

**383. Observation and studies of jet quenching in PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**

*CMS Collaboration*

Phys. Rev. C 84 (2011) 024906

doi : 10.1103/PhysRevC.84.024906

**384. Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 106 (2011) 201804

doi : 10.1103/PhysRevLett.106.201804

- 385. Measurement of  $B\bar{B}$  angular correlations based on secondary vertex reconstruction at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
J. High Energy Phys. 03 (2011) 136  
doi : 10.1007/JHEP03(2011)136
- 386. Measurement of  $W^+W^-$  Production and Search for the Higgs Boson in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Lett. B 699 (2011) 25  
doi : 10.1016/j.physletb.2011.03.056
- 387. Study of Z boson production in PbPb collisions at  $\sqrt{s}_{NN} = 2.76$  TeV**  
*CMS Collaboration*  
Phys. Rev. Lett. 106 (2011) 212301  
doi : 10.1103/PhysRevLett.106.212301
- 388. Strange Particle Production in pp collisions at  $\sqrt{s} = 0.9$  and 7 TeV**  
*CMS Collaboration*  
J. High Energy Phys. 05 (2011) 064  
doi : 10.1007/JHEP05(2011)064
- 389. Search for a Heavy Bottom-like Quark in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Lett. B 701 (2011) 204-223  
doi : 10.1016/j.physletb.2011.05.074
- 390. Measurement of the differential dijet production cross section in proton-proton collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Lett. B 700 (2011) 187  
doi : 10.1016/j.physletb.2011.05.027
- 391. Measurement of the  $B^0 B^0_s$  Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Rev. Lett. 106 (2011) 252001  
doi : 10.1103/PhysRevLett.106.252001
- 392. Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC**  
*CMS Collaboration*  
J. High Energy Phys. 06 (2011) 077  
doi : 10.1007/JHEP06(2011)077
- 393. Charged particle transverse momentum spectra in pp collisions at  $\sqrt{s} = 0.9$  and 7 TeV**  
*CMS Collaboration*  
J. High Energy Phys. 08 (2011) 086  
doi : 10.1007/JHEP08(2011)086

**394. Measurement of the Polarization of W Bosons with Large Transverse Momenta in W+Jets Events at the LHC**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 021802

doi : 10.1103/PhysRevLett.107.021802

**395. Measurement of the B<sup>+</sup> Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 106 (2011) 112001

doi : 10.1103/PhysRevLett.106.112001

**396. Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 06 (2011) 093

doi : 10.1007/JHEP06(2011)093

**397. Long-range and short-range dihadron angular correlations in central PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**

*CMS Collaboration*

J. High Energy Phys. 07 (2011) 076

doi : 10.1007/JHEP07(2011)076

**398. Search for a W' boson decaying to a muon and a neutrino in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B 701 (2011) 160

doi : 10.1016/j.physletb.2011.05.048

**399. Search for Supersymmetry in pp Collisions at  $\sqrt{s} = 7$  TeV in Events with Two Photons and Missing Transverse Energy**

*CMS Collaboration*

Phys. Rev. Lett. 106 (2011) 211802

doi : 10.1103/PhysRevLett.106.211802

**400. Measurement of W  $\gamma$  and Z  $\gamma$  production in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B 701 (2011) 535

doi : 10.1016/j.physletb.2011.06.034

**401. Indications of Suppression of Excited  $\Upsilon$  States in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 052302

doi : 10.1103/PhysRevLett.107.052302

**402. Search for First Generation Scalar Leptoquarks in the  $e\nu jj$  Channel in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B 703 (2011) 246

doi : 10.1016/j.physletb.2011.07.089

**403. Measurement of the  $t\bar{t}$  production cross section and the top quark mass in the dilepton channel in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 07 (2011) 049

doi : 10.1007/JHEP07(2011)049

**404. Measurement of the Inclusive Jet Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 132001

doi : 10.1103/PhysRevLett.107.132001

**405. Measurement of the Ratio of the 3-jet to 2-jet Cross Sections in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B 702 (2011) 336

doi : 10.1016/j.physletb.2011.07.067

**406. Measurement of the  $t\bar{t}$  Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV using the Kinematic Properties of Events with Leptons and Jets**

*CMS Collaboration*

Eur. Phys. J. C 71 (2011) 1721

doi : 10.1140/epjc/s10052-011-1721-3

**407. Search for Physics Beyond the Standard Model Using Multilepton Signatures in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Lett. B 704 (2011) 411

doi : 10.1016/j.physletb.2011.09.047

**408. Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 04 (2011) 050

doi : 10.1007/JHEP04(2011)050

**409. Search for Large Extra Dimensions in the Diphoton Final State at the Large Hadron Collider**

*CMS Collaboration*

J. High Energy Phys. 05 (2011) 085

doi : 10.1007/JHEP05(2011)085

- 410. Measurement of the Inclusive Z Cross Section via Decays to Tau Pairs in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
J. High Energy Phys. 08 (2011) 117  
doi : 10.1007/JHEP08(2011)117
- 411. Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Rev. Lett. 106 (2011) 231801  
doi : 10.1103/PhysRevLett.106.231801
- 412. Search for Same-Sign Top-Quark Pair Production at  $\sqrt{s} = 7$  TeV and Limits on Flavour Changing Neutral Currents in the Top Sector**  
*CMS Collaboration*  
J. High Energy Phys. 08 (2011) 005  
doi : 10.1007/JHEP08(2011)005
- 413. Search for Light Resonances Decaying into Pairs of Muons as a Signal of New Physics**  
*CMS Collaboration*  
J. High Energy Phys. 07 (2011) 098  
doi : 10.1007/JHEP07(2011)098
- 414. Search for Physics Beyond the Standard Model in Opposite-sign Dilepton Events in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
J. High Energy Phys. 06 (2011) 026  
doi : 10.1007/JHEP06(2011)026
- 415. Measurement of the t-channel single top quark production cross section in pp collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Rev. Lett. 107 (2011) 091802  
doi : 10.1103/PhysRevLett.107.091802
- 416. Search for Supersymmetry in Events with b Jets and Missing Transverse Momentum at the LHC**  
*CMS Collaboration*  
J. High Energy Phys. 07 (2011) 113  
doi : 10.1007/JHEP07(2011)113
- 417. Measurement of the  $B^0$ s Production Cross Section with  $B^0_s \rightarrow J/\Psi\Phi$  Decays in pp Collisions at  $\sqrt{s} = 7$  TeV**  
*CMS Collaboration*  
Phys. Rev. D 84 (2011) 052008  
doi : 10.1103/PhysRevD.84.052008

**418. Search for New Physics with Jets and Missing Transverse Momentum in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 08 (2011) 155

doi : 10.1007/JHEP08(2011)155

**419. Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 201804

doi : 10.1103/PhysRevLett.107.201804

**420. Determination of Jet Energy Calibration and Transverse Momentum Resolution in CMS**

*CMS Collaboration*

J. Instrum. 6 (2011) P11002

doi : 10.1088/1748-0221/6/11/P11002

**421. Missing transverse energy performance of the CMS detector**

*CMS Collaboration*

J. Instrum. 6 (2011) P09001

doi : 10.1088/1748-0221/6/09/P09001

**422. Measurement of the Underlying Event Activity at the LHC with  $\sqrt{s} = 7$  TeV and Comparison with  $\sqrt{s} = 0.9$  TeV**

*CMS Collaboration*

J. High Energy Phys. 09 (2011) 109

doi : 10.1007/JHEP09(2011)109

**423. Measurement of the Inclusive W and Z Production Cross Sections in pp Collisions at  $\sqrt{s} = 7$  TeV with the CMS experiment**

*CMS Collaboration*

J. High Energy Phys. 10 (2011) 132

doi : 10.1007/JHEP10(2011)132

**424. Search for Resonances in the Dijet Mass Spectrum from 7 TeV pp Collisions at CMS**

*CMS Collaboration*

Phys. Lett. B 704 (2011) 123

doi : 10.1016/j.physletb.2011.09.015

**425. Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at  $\sqrt{s}_{NN} = 2.76$  TeV**

*CMS Collaboration*

J. High Energy Phys. 08 (2011) 141

doi : 10.1007/JHEP08(2011)141

**426. Search for  $B^0_s \rightarrow \mu^+ \mu^-$  and  $B^0 \rightarrow \mu^+ \mu^-$  decays in pp collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 191802

doi : 10.1103/PhysRevLett.107.191802

**427. Measurement of the Drell-Yan Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

J. High Energy Phys. 10 (2011) 007

doi : 10.1007/JHEP10(2011)007

**428. Measurement of the Differential Cross Section for Isolated Prompt Photon Production in pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. D 84 (2011) 052011

doi : 10.1103/PhysRevD.84.052011

**429. Measurement of the  $t\bar{t}$  Production Cross Section in pp Collisions at 7 TeV in Lepton + Jets Events Using b-quark Jet Identification**

*CMS Collaboration*

Phys. Rev. D 84 (2011) 092004

doi : 10.1103/PhysRevD.84.092004

**430. Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 221804

doi : 10.1103/PhysRevLett.107.221804

**431. Search for a Vectorlike Quark with Charge 2/3 in t + Z Events from pp Collisions at  $\sqrt{s} = 7$  TeV**

*CMS Collaboration*

Phys. Rev. Lett. 107 (2011) 271802

doi : 10.1103/PhysRevLett.107.271802

**432. Performance of  $\tau$ -lepton reconstruction and identification in CMS**

*CMS Collaboration*

J. Instrum. 7 (2012) P01001

doi : 10.1088/1748-0221/7/01/P01001

**433. Measurement of energy flow at large pseudorapidities in pp collisions at  $\sqrt{s} = 0.9$  and 7 TeV**

*CMS Collaboration*

J. High Energy Phys. 11 (2011) 148

doi : 10.1007/JHEP11(2011)148

**434. Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC**

*CMS Collaboration*

Phys. Rev. D 84 (2011) 112002

doi : 10.1103/PhysRevD.84.112002