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TOTAL = **347** (=8+311 +12+16)

PUBLICATIONS 1977-2006

### A. ATLAS Collaboration

- 1. Quality control results of the drift tubes for the ATLAS MDT-BIS chambers.**  
T. Alexopoulos, et al., Published in **Nucl.Instrum.Meth.A560:633-639,2006**
- 2. A Gas Leak Rate Measurement System for the ATLAS MUON BIS-Monitored Drift Tubes**  
T. Alexopoulos et al, Published in **Nucl.Instrum.Meth.A521:332-342,2004**
- 3. Extensive Performance Studies for the ATLAS BIS-MDT Precision Muon Chambers**  
T. Alexopoulos et al, Published in **IEEE Trans.Nucl.Sci.50:2420-2425,2003**
- 4. PERFORMANCE STUDIES FOR THE ATLAS BIS-MDT PRECISION MUON CHAMBERS.**  
R. Avramidou, M. Dris, E. Gazis, E. Katsoufis (Athens, Tech. U.). 2003. Prepared for 1st ICFA Instrumentation School / Workshop at the ICFA Instrumentation Center in Morelia, Mexico, Morelia Michoacan, Mexico, 18-29 Nov 2002. Published in **AIP Conf.Proc.674:363-366,2003**
- 5. A QUALITY ASSURANCE AND QUALITY CONTROL (QA\_QC) PROCEDURE OF THE MONITORED DRIFT TUBES (MDT) FOR THE BIS-CHAMBERS OF THE ATLAS MUON SPECTROMETER.**  
T. Alexopoulos, R. Avramidou, M. Dris, T.A. Filippas, E.N. Gazis, E.C. Katsoufis, S. Maltezos, P. Savva, G. Stavropoulos, G. Tsiapolitis, E. Tzamariudaki (Athens, Tech. U. & CERN). 2002.  
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- 6. The First Precision Drift Tube Chambers for the ATLAS Muon Spectrometer**  
F. Bauer et al, **NIM A 478, 153-157, 2002**
- 7. Multiwire drift tubes with jet-cell geometry for muon detection at LHC**  
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- 8. Prototype tests of a "jet cell" drift chamber for large-area muon detection**  
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**Nucl. Instrum. Methods Phys. Res., A: 369 (1996), pp.29-36**

### B. DELPHI Collaboration

- 1) Flavour independent searches for hadronically decaying neutral Higgs bosons.**  
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- 2) Single intermediate vector boson production in e+e- collisions at  $s^{**}(1/2) = 183\text{-GeV to } 209\text{-GeV}$ .**  
By DELPHI Collaboration (J. Abdallah et al.). CERN-PH-EP-2005-026, May 2005. 27pp.  
Published in **Eur.Phys.J.C45:273-289,2006**
- 3) Evidence for an excess of soft photons in hadronic decays of Z0.**  
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- 4) Search for excited leptons in e+ e- collisions at  $s^{**}(1/2) = 189\text{-GeV to } 209\text{-GeV}$ .**  
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- 5) **A measurement of the tau hadronic branching ratios.**  
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- 6) **Determination of the b quark mass at the M(Z) scale with the DELPHI detector at LEP.**  
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- 7) **Study of double-tagged gamma gamma events at LEP II.**  
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- 8) **Measurement and interpretation of fermion-pair production at LEP energies above the Z resonance.**  
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- 9) **Charged particle multiplicity in three-jet events and two-gluon systems.**  
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- 10) **Determination of heavy quark non-perturbative parameters from spectral moments in semileptonic B decays.**  
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- 11) **Production of Xi0(c) and Xi(b) in Z decays and lifetime measurement of X(b).**  
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- 12) **Bose-Einstein correlations in W+ W- events at LEP2.**  
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- 15) **Measurement of the energy dependence of hadronic jet rates and the strong coupling alpha(s) from the four-jet rate with the DELPHI detector at LEP.**  
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- 16) **Searches for neutral higgs bosons in extended models.**  
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- 17) **Determination of the e+ e- ---> gamma gamma (gamma) cross-section at LEP 2.**  
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- 18) **A Precise measurement of the tau lifetime.**  
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- 19) **Photon events with missing energy in e+ e- collisions at s\*\*(1/2) = 130-GeV to 209-GeV.**  
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21) **The Measurement of alpha(s) from event shapes with the DELPHI detector at the highest LEP energies.**

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23) **Search for supersymmetric particles assuming R-parity nonconservation in  $e^+ e^-$  collisions at  $s^{1/2} = 192\text{-GeV}$  to  $208\text{-GeV}$ .**

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25) **Search for  $B^0(s)$  - anti- $B^0(s)$  oscillations in DELPHI using high-p(t) leptons.**

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28) **Measurement of the forward backward asymmetries of  $e^+ e^- \rightarrow Z \rightarrow b \text{ anti-}b$  and  $e^+ e^- \rightarrow Z \rightarrow c \text{ anti-}c$  using prompt leptons.**

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33) **Measurement of the W pair production cross-section and W branching ratios in  $e^+ e^-$  collisions at  $s^{1/2} = 161\text{-GeV}$  to  $209\text{-GeV}$ .**

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35) **Searches for supersymmetric particles in  $e^+ e^-$  collisions up to  $208\text{-GeV}$  and interpretation of the results within the MSSM.**

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**37) MEASUREMENT OF THE  $E^+ E^- \rightarrow W^+ W^-$  GAMMA CROSS-SECTION AND LIMITS ON ANOMALOUS QUARTIC GAUGE COUPLINGS WITH DELPHI.**

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**39) THE  $\eta(C)(2980)$  FORMATION IN TWO PHOTON COLLISIONS AT LEP ENERGIES.**

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**40) MEASUREMENT OF INCLUSIVE  $F(1)(1285)$  AND  $F(1)(1420)$  PRODUCTION IN Z DECAYS WITH THE DELPHI DETECTOR.**

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By DELPHI Collaboration (J. Abdallah *et al.*). CERN-EP-2003-015, Apr 2003. 13pp.  
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**45) SEARCH FOR RESONANT SNEUTRINO PRODUCTION AT  $\sqrt{s} = 183\text{-GEV TO } 208\text{-GEV}$ .**

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**46) INCLUSIVE B DECAYS TO WRONG SIGN CHARMED MESONS.**

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**47) FINAL RESULTS FROM DELPHI ON THE SEARCHES FOR SM AND MSSM NEUTRAL HIGGS BOSONS.**

By DELPHI Collaboration (J. Abdallah *et al.*). CERN-EP-2003-008, Feb 2003. 66pp.  
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- 50) SEARCH FOR AN LSP GLUINO AT LEP WITH THE DELPHI DETECTOR.**  
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- 52) RAPIDITY ALIGNMENT AND P(T) COMPENSATION OF PARTICLE PAIRS IN HADRONIC Z0 DECAYS.**  
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- 54) SEARCH FOR CHARGED HIGGS BOSONS IN E+ E- COLLISIONS AT S\*\*(1/2) = 189-GEV - 202-GEV.**  
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- 58) SEARCH FOR A FERMIOPHOBIC HIGGS AT LEP-2.**  
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- 59) MEASUREMENT OF TRILINEAR GAUGE BOSON COUPLINGS WWV, (V = Z, GAMMA) IN E+ E- COLLISIONS AT 189-GEV.**  
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- 60) Search for technicolor with DELPHI**  
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- 61) Measurement of the semileptonic b branching fractions and average b mixing parameter in Z decays**  
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- 62) Single Intermediate Vector Boson Production in  $e^+e^-$  collisions at  $\sqrt{s} = 183$  and  $189$  GeV**  
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- 65) Search for the Standard Model Higgs boson at LEP in the year 2000**  
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- 66) Search for sleptons in  $e^+ e^-$  collisions at  $\sqrt{s} = 183$  to 189 GeV**  
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- 74) Study of  $B^0_s - \overline{B^0_s}$  oscillations and  $B^0_s$  lifetimes using hadronic decays of  $B^0_s$  mesons**  
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- 83) Update of the search for charginos nearly mass-degenerate with the lightest neutralino**  
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- 84) The Ring Imaging Cerenkov Detectors of DELPHI**  
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- 92) Photon Events with Missing Energy at  $\sqrt{s} = 183$  to 189 GeV**

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**96) Identified Charged Particles in Quark and Gluon Jets**

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**97) Consistent Measurements of  $\alpha_s$  from Precise Oriented Event Shape Distributions**

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

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**103) Upper Limit for the Decay  $B^{\pm} \rightarrow \tau^{\pm} \overline{\nu}_{\tau}$  and Measurement of the  $B \rightarrow \tau \overline{\nu}_{\tau}$  Branching Ratio**

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**104) Search for the Higgs Boson in Events with Isolated Photons at LEP2**

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- 108) Measurement of the rate of  $b\bar{b}$  events in hadronic Z decays and the extraction of the gluon splitting into  $b\bar{b}$**   
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- 111) Search for the Higgs boson in events with isolated photons at LEP 2**  
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- 123) Measurement of the Lifetime of b-baryons**  
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- 130) Measurement of Inclusive  $\rho^0$ ,  $f_0(980)$ ,  $f_2(1270)$ ,  $K^{*0}_2(1430)$  and  $f'_2(1525)$  Production in  $Z^0$  Decays**  
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**152) Measurement of Trilinear Gauge Couplings in  $e^+e^-$  Collisions at 161 GeV and 172 GeV**

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

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**163) Measurement of the spin density matrix for the  $\rho^0$ ,  $K^{*0}(892)$  and  $\phi$  produced in  $Z^0$  Decays**

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**171) Identified particles in quark and gluon jets**

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**174) Search for Stable Heavy Charged Particles in  $e^+ e^-$  Collisions at  $\sqrt{s} = 130-136, 161$  and  $172$  GeV**

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**184) Measurement of inclusive  $B^0$  ( $892$ ),  $\phi$  ( $1020$ ) and  $B^0_{*2}$  ( $1430$ ) production in hadronic Z decays**

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**196) Determination of the average lifetime of b-baryons**

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- 260) A measurement of the mean lifetimes of charged and neutral B-hadrons**  
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