

CURRICULUM VITAE
AND
LIST OF PUBLICATIONS

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PROFESSIONAL EXPERIENCE

2006-present
Columbia University
538 West 120th Street
New York, NY 10027
Position: *Postdoctoral Research Scientist*

1994-2000
Laboratory of Physics (010),
VINCA Institute of Nuclear Sciences, Belgrade, Yugoslavia
Position: *Research assistant*

EDUCATION

Doctor of philosophy (PhD), 2006:
2000-2006
Weizmann Institute of Science, Rehovot, Israel
Average grade (3 exams): 91.0/100.0
Title of PhD Thesis: *Search for Higgs boson with OPAL, ATLAS and ILC*
Thesis advisers: Professor Eilam Gross, Professor Ehud Duchovni

Master of Science (M. Sci.), December 1998:
1993-1998
Faculty of Physics, University of Belgrade, Belgrade, Yugoslavia
Average grade (7 exams): 10.00/10.00
Title of M. Sci Thesis: *Zero-degree focusing of channeled ions*
Thesis adviser: Dr Nebojša Nešković

Bachelor of Science (B. Sci.), June 1993.
1988-1993
Faculty of Physics, University of Belgrade, Belgrade, Yugoslavia
Average grade (30 exams): 9.65/10.00
Title of B. Sci Thesis: *The neutron transfer in the $^{238}\text{U} + ^{238}\text{U}$ reaction*
Thesis adviser: Dr Dražen Vorkapić

AWARDS AND SCHOLARSHIPS

2006 The Haim Holtzman Memorial Prize ([link](#))

2004 Member of the Weizmann Institute of Science team that was tied in “blind search” competition organized by Atlas experiment ([link](#)).

2001 Ministry of science, Serbia, One of the best young scientists.

1993 Ministry of science, Serbia, Scholarship for the best undergraduates to continue with graduate school.

RESEARCH EXPERIENCE

2006-present
I am pursuing a search for the Higgs boson in $H \rightarrow WW \rightarrow evjj$ channel with D0 experiment. This is a new search channel within Higgs physics program of the D0 experiment. I developed this analysis. This channel can additionally contribute in

the Higgs searches at higher masses ($m_H > 130$ GeV). We expect to publish the result of this analysis, together with the muon channel, early in 2009.

2007-present

I am involved in the Higgs group of ATLAS experiment. I am working on $H \rightarrow WW \rightarrow e\nu e\nu$ channel.

2006-present

MET (missing energy) group convener for the D0 experiment at Tevatron, Fermilab, USA. I work toward better understanding of missing energy in QCD events in data and available simulations. I also supervised summer student in her work on understanding EM (electromagnetic) corrections to the missing energy. As a convener I supervise work on various MET tasks, some of them included important checks of MET in data after upgrade to Run2b.

2006-present

D0 Data Quality offline calorimeter expert since the beginning of Run2b of D0. In D0 we decided to evaluate quality of the data from calorimeter based on runs, when we remove whole run with calorimeter problems, based on Luminosity Block Number (LBN), when we remove LBNs affected with calorimeter problems, and based on events, when we remove events with calorimeter noise above some threshold. My job is to evaluate LBN based calorimeter data quality. That includes examining every LBN from every run that was not discarded by online selection. My work also helped to find calorimeter problem that has been fixed and we recovered 13 pb^{-1} of data. Other duties include analysis of the influence of some of the calorimeter noises on data, and calculation of the data loss due to various noise sources.

2008-present

I am working on MET studies in ATLAS. I work on $Z \rightarrow ee + jets$ events.

2007-present

Lifetime tests of the Front End Boards (FEB) for the Atlas calorimeter. We use prototype of FEBs to test accelerated lifetime of various components. They are warmed up to 75°C and then maintained at that temperature for several days, and then cooled down. I perform regular weekly tests of the boards, before warming them up. In addition, once per month, I perform two additional sets of tests in order to analyze behavior of various components as a function of time.

2000-2006

During my PhD studies I was working on $ttH \rightarrow tt\tau\tau$ channel with ATLAS detector. This channel, although not a discovery one, can be very important for the measurement of the top Yukawa coupling. As a part of the analysis I developed an algorithm for the identification of hadronically decayed τ -leptons with fast simulation. This work is summarized in 3a, 3f, and 1f.

2001-2003

My research also included search for the MSSM Higgs boson with OPAL detector, in a scenario where CP is not conserved. I was working on missing energy channel, i.e. $ZH \rightarrow \nu\nu H$. For this analysis I used neural network. The work is described in 3c, 3d and 3e. Results are part of 1a and 1d.

2002-2004

I was involved in project 'Physics Interplay of the LHC and the ILC'. In this phenomenological work we assumed the scenario where only one light Higgs boson is found at LHC, and in addition, part of the SUSY spectrum, and that we have precision measurements of the Higgs boson branching ratios as well as of some SUSY parameters. From those informations we are able to set indirect bounds on M_A . This work is described in 1b, 1c, 2b.

2003-2006

Test Pulse System for the Thin Gap Chambers (TGC) Production for Atlas detector. The test pulse system has been built to verify the integrity of all electrical connections of the TGC units in the last step of production. I was maintaining the test pulse system at the last stages of TGC production.

1994-2000

Zero-degree focusing of channeled ions in crystals. Rainbow effect in crystals. I studied simulations of ion channeling through various crystals.

ADDITIONAL ACTIVITIES

2007-present

Member of D0 Editorial board: “New phenomena searches with heavy-flavor jets”

2008-present

My work at Atlas experiment includes supervising Columbia graduate student Eric Williams.

2006-present

Shifts in D0 control room

TEACHING AND SUPERVISING EXPERIENCE

Occasionally I replace Gustaaf Brooijmans teaching courses for CU undergraduate and graduate students.

Summer 2008 I supervised student within “Nevis Summer Research Program for Undergraduates” (REU, link). The project name was “Search for the Higgs boson in $H \rightarrow WW \rightarrow e\nu$ using BDT”.

Summer 2007 I supervised student within “Nevis Summer Research Program for Undergraduates” (REU, link). The project name was “ MET in $W + jets \rightarrow e^\pm\nu$ in run IIa”.

2000-2005 I supervised and instructed students who came to the Weizmann institute to participate in the special summer scientific programs:

’Dr. Bessie F. Lawrence International Summer Science Institute’, 2001

Two high-school students successfully finished project ’Search for Higgs boson in $h \rightarrow ZZ^* \rightarrow bll$ channel’

’Dr. Bessie F. Lawrence International Summer Science Institute’, 2002

Two high-school students successfully finished project ’Search for Higgs boson in $h \rightarrow ZZ^* \rightarrow eeee$ channel’

’Dr. Bessie F. Lawrence International Summer Science Institute’, 2003

Two high-school students successfully finished project ’ τ -jet identification for Higgs studies with full simulation of the ATLAS detector’

Year 2003-2004

One high-school student successfully finished project: ’Search for the Standard Model Higgs boson with OPAL detector’.

’De Schalit Summer school’, 2004

One second-year University student successfully finished project: ’Full reconstruction of the VBF $H \rightarrow \tau\tau$ channel’

CONFERENCE TALKS AND SEMINARS

Aspen Winter 2009 - Workshop on Physics at the LHC era, Aspen, Colorado, February 8 - 14, 2009

“Searches for a Low Mass Higgs Boson at the Tevatron”

[Link to the talk](#)

“Closing in on the Higgs boson”

HEP Seminar, Columbia University, New York, November 2008

“Closing in on the Higgs boson”

HEP Seminar, Indiana University, Bloomington, November 2008

XLIII^d Rencontres de Moriond, La Thuile, Italy, March 1 - 8, 2008

“Search for SM Higgs at the Tevatron (high mass)”

[Link to the talk](#)

“Missing E_T at D0”

Atlas week, November 2007

“Missing E_T at D0”

USCMS meeting, October 2007

“Introduction to high energy experiment and Atlas detector”

series of seminars presented to the members of HEP phenomenology group at Weizmann Institute, February-March 2006

“Search for the Higgs boson at Atlas in $ttH \rightarrow tt\tau\tau$ channel”

Israel Physical Society, Ort-Braude College, 2005

Atlas Physics Workshop Roma, 6 - 11 June 2005

‘Tau (offline + trigger)’

[Link to the talk](#)

International Conference on Linear Colliders

Colloque international sur les collisionneurs linéaires

LCWS 04 : 19-23 April 2004 - “Le Carrés Sciences”, Paris, France

‘ M_A Determination from H Branching Ratios with Full Parametric Uncertainties’

[Link to the talk](#)

LHC physics Prague 2003

‘Measurements of SM Higgs Parameters’

[Link to the talk](#)

“Higgs Physics at ATLAS”

Israel Institute of Technology, Technion, June 2003

“Search for the Higgs boson at Atlas”

Israel Physical Society, Tel Aviv, 2003

Atlas Physics Workshop, Lund, 12-16 SEPTEMBER 2001

‘Low mass Higgs: $H \rightarrow ZZ^* \rightarrow lbb$ ’

[Link to the talk](#)

ADDITIONAL SKILLS

Programming Languages and Statistical Packages: C, C++, ROOT, html, Fortran, PAW

Word Processors: Latex, OpenOffice, Emacs, vi

Operating Systems: Linux, Windows98/2000/XP

STUDENT EXCHANGE PROGRAM

July-August 1992

Friedrich Schiller University, Jena, Germany

I spent three weeks in the group 'X-ray optics' working on investigation of the different powder samples by the Debye-Schreder method. I performed several evaluations to minimize the errors in the calculations of different crystallographic problems.

The head of the group was (still is) Prof. Dr E. Forster

I spent five weeks in the different laser laboratories in the Department of Nonlinear Optics of the Institute of Optics and Quantum Electronics working on development of the software for processing of experimental data.

The head of the group was Prof. Dr H. Bergner.

LANGUAGE KNOWLEDGE

Serbian native

English excellent

Russian very good

Italian very good

French beginner level

Hebrew beginner level

OTHER THINGS

I played basketball more than 15 years. I was a basketball coach for one year. I am licensed assistant basketball referee, and I participated in lot of national and international games in Belgrade.

I was a student representative for one year during my undergraduate studies.

I have a driver license.

I write a blog at B92. It is sometimes about science, and always in my mother tongue, Serbian.

I was the captain of high school, and, later, faculty basketball teams.

REFERENCES

These persons are familiar with my professional qualifications and my character:

Prof Gustaaf Brooijmans

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Prof Ehud Duchovni
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e-mail:fhducho1@wicc.weizmann.ac.il

LIST OF PUBLICATIONS

Since I am a member of the few international collaborations, I am listed as the author of papers published by those collaboration. These references are listed at the end. The first listed references are those that I have significant impact.

1. International Journals

- (a) 'Search for Neutral Higgs Boson in CP-Conserving and CP-Violating MSSM Scenarios',
By OPAL Collaboration (G. Abbiendi et al.). Eur.Phys.J.C37:49-78,2004,
also CERN-PH-EP-2004-020,
e-Print Archive: [arXiv:hep-ex/0406057]
- (b) 'LHC/LC Interplay in the MSSM Higgs Sector'
K. Desch, E. Gross, S. Heinemeyer, G. Weiglein, **L. Živković**,
JHEP 0409:062,2004, also CERN-PH-TH-2004-101, DCPT-04-54, IPPP-04-27,
e-Print Archive: [arXiv:hep-ph/0406322]
- (c) 'Physics Interplay of the LHC and the ILC'
By LHC/LC Study Group (G. Weiglein et al.). Phys. Rept. **426**, 47 (2006) e-Print Archive:
[arXiv:hep-ph/0410364].
- (d) 'Search for neutral MSSM Higgs bosons at LEP'
S. Schael *et al.* [ALEPH Collaboration]
Eur. Phys. J. C **47**, 547 (2006) e-Print Archive: [arXiv:hep-ex/0602042]
- (e) "The ATLAS Experiment at the CERN Large Hadron Collider"
S. Bentvelsen *et al.* [ATLAS Collaboration]
JINST **3**, S08003 (2008) e-Print Archive: [SPIRES entry]
- (f) " $t\bar{t}H \rightarrow t\bar{t}\tau\tau$: Toward the Measurement of the top-Yukawa Coupling"
Eilam Gross and Lidija Živković (accepted for publication in European Physical Journal C)

2. International Conferences

- (a) 'Measurements of the Standard Model Higgs Parameters at Atlas',
L. Živković,
Czech.J.Phys.54:A73-A82,2004, also ATL-PHYS-2004-023.
Prepared for Advanced Studies Institute: Physics at LHC (LHC-Praha-2003),
Prague, Czech Republic, 6-12 Jul 2003.
- (b) 'LHC/LC Interplay in the MSSM Higgs Sector'
L. Živković et al.,
International Conference on Linear Colliders, (LCWS04), Volume 1, page 189, Paris, 2004.

3. Physics Notes

- (a) ' $t\bar{t}H \rightarrow t\bar{t}\tau\tau$: Toward the Measurement of the top-Yukawa Coupling',
E. Gross and **L. Živković**
SN-ATLAS-2007-061

- (b) 'Prospects for Light Higgs Observation in the $H \rightarrow ZZ \rightarrow b\bar{b}e\bar{e}(\mu\mu)$ Channel at the LHC',
E. Gross, G. Martinez, G. Mikenberg, **L. Živković**
ATL-PHYS-2003-001
 - (c) 'Interpretation of the Search for Neutral Higgs Bosons from $\sqrt{s} = 91$ GeV to $\sqrt{s} = 209$ GeV
in a CP Violating MSSM Scenario'
P. Bechtle, K. Desch, **L. Živković**
15th July 2002
PN505
 - (d) 'Update Search for Neutral Higgs Bosons in A CP-Violating MSSM Scenario in e^+e^- collisions'
P. Bechtle, K. Desch, **L. Živković**
12th March 2003
PN517
 - (e) 'Search for Neutral Higgs Bosons Predicted by CP Conserving and CP Violating MSSM Scenarios with the OPAL detector at LEP'
OPAL Higgs Working Group
11th July 2003
PN524
 - (f) 'An Alternative Algorithm for Fast Tau Identification within ATLAS',
E. Gross, and **L. Živković**
ATL-PHYS-INT-2005-003
 - (g) 'Search for Neutral MSSM Higgs Bosons at LEP',
ALEPH, DELPHI, L3, and OPAL Collaboration, The LEP Working Group for Higgs Boson Searches,
LHWG-Note 2005-01
4. Talks at conferences and workshops
- (a) Atlas Physics Workshop, Lund, 12-16 SEPTEMBER 2001
'Low mass Higgs: $H \rightarrow ZZ^* \rightarrow l\bar{l}b\bar{b}$ '
<http://agenda.cern.ch/fullAgenda.php?ida=a0159>
 - (b) LHC physics Prague 2003
'Measurements of SM Higgs Parameters'
<http://agenda.cern.ch/fullAgenda.php?ida=a031659>
 - (c) International Conference on Linear Colliders
Colloque international sur les collisionneurs linéaires
LCWS 04 : 19-23 April 2004 - "Le Carrdes Sciences", Paris, France
' M_A Determination from H Branching Ratios with Full Parametric Uncertainties'
<http://agenda.cern.ch/fullAgenda.php?ida=a04172>
 - (d) Atlas Physics Workshop Roma, 6 - 11 June 2005
'Tau (offline + trigger)'
<http://agenda.cern.ch/fullAgenda.php?ida=a044738>
 - (e) XLIIIId Rencontres de Moriond, La Thuile, Italy, March 01-08, 2008
'Search for SM Higgs at the Tevatron (high mass)'
<http://indico.in2p3.fr/getFile.py/access?contribId=47&sessionId=1&resId=0&materialId=slides&confId=420>

5. Some other talks and seminars

- (a) “Closing in on the Higgs boson”
HEP Seminar, Columbia University, New York, November 2008
- (b) “Closing in on the Higgs boson”
HEP Seminar, Indiana University, Bloomington, November 2008
- (c) “Missing E_T at D0”
Atlas week, November 2007
- (d) “Missing E_T at D0”
USCMS meeting, October 2007
- (e) “Introduction to high energy experimnt and Atlas detector”
series of seminars presented to the members of HEP phenomenology group at Weizmann
Institute, February-March 2006
- (f) “Search for the Higgs boson at Atlas in $ttH \rightarrow tt\tau\tau$ channel”
Israel Physical Society, Ort-Braude College, 2005
- (g) “Higgs Physics at ATLAS”
Israel Institute of Technology, Technion, June 2003
- (h) “Search for the Higgs boson at Atlas”
Israel Physical Society, Tel Aviv, 2003

Publications concerning my MSc work

6. International Journals

- (a) **L. Miletić**, S. Petrović, N. Nešković, Nucl. Instr. and Meth. in Phys. Res. **B** 115, 337, (1996). (Article)
- (b) S. Petrović, **L. Miletić**, N. Nešković, Nucl. Instr. and Meth. in Phys. Res. **B** 115, 348, (1996). (Article)
- (c) S. Petrović, **L. Miletić**, N. Nešković, Rad. Effects and Defects in Solids 141, 223 (1997). (Article)
- (d) **L. Miletić**, S. Petrović, N. Nešković, Rad. Effects and Defects in Solids 141, 235 (1997). (Article)
- (e) S. Petrović, **L. Miletić**, N. Nešković, Phys. Rev. **B**61, 184 (2000). (Article)
- (f) N. Nešković, S. Petrović and **L. Živković**, Eur. Phys. Journal **B** 18, 553, (2000). (Article)
- (g) **L. Živković**, S. Petrović, S. Kossionides and N. Nešković, Phys. Lett. **A** 286, 292, (2001). (Article)

7. International conferences

- (a) S. Petrović, **L. Miletić**, N. Nešković, Book of contributed papers of the 17th Summer School and International Symposium on the physics of Ionized Gases, Belgrade, August 29 - September 1, 1994 (Institute of physics, Belgrade, 1994), 97.
- (b) S. Petrović, **L. Miletić**, N. Nešković, Book of contributed papers of the 18th Summer School and International Symposium on the physics of Ionized Gases, Kotor, September 2 - 6, 1996 (Faculty of Sciences, Novi Sad, 1996), 157.
- (c) **L. Miletić**, S. Petrović, N. Nešković Book of contributed papers of the 18th Summer School and International Symposium on the physics of Ionized Gases, Kotor, September 2 - 6, 1996 (Faculty of Sciences, Novi Sad, 1996), 161.
- (d) **L. Miletić**, S. Petrović, N. Nešković, Book of contributed papers of the 19th Summer School and International Symposium on the physics of Ionized Gases, Zlatibor, August 31 - September 4, 1998 (Faculty of Physics, Belgrade, 1998), 227.

8. National conferences

- (a) N. Nešković, S. Petrović, **L. Miletić**, Proceedings of the 9th Information on the TESLA Accelerator Installation, July 15 - 16, 1996, Belgrade (Vinca Institute of Nuclear Sciences, Belgrade, 1996), 37.

Here is the full (after year 2000) list of papers where I am one of the authors:

1. **“The ATLAS Experiment at the CERN Large Hadron Collider”**
S. Bentvelsen *et al.* [ATLAS Collaboration]
JINST **3**, S08003 (2008)
2. **“A search for associated W and Higgs Boson production in ppbar collisions at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.1970 [hep-ex]
FERMILAB-PUB-08-297-E(2008)
3. **“Measurement of $\sigma(ppbar \rightarrow Z + X)Br(Z \rightarrow tau^+tau^-)$ at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.1306 [hep-ex]
FERMILAB-PUB-08-295-E(2008) (Submitted to Phys.Lett.B)
4. **“Measurement of differential Z/gamma*+jet+X cross sections in proton anti-proton collisions at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.1296 [hep-ex]
FERMILAB-PUB-08-293-E(2008)
5. **“A search for the standard model Higgs boson in the missing energy and acoplanar b-jet topology at sqrt(s) = 1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.1266 [hep-ex]
FERMILAB-PUB-08-294-E(2008) (Submitted to Phys.Rev.Lett.)
6. **“Search for scalar leptoquarks and T-odd quarks in the acoplanar jet topology using 2.5 fb-1 of ppbar collision data at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.0446 [hep-ex]
FERMILAB-PUB-08-271-E(2008) (Submitted to Phys.Lett.B)
7. **“ZZ $\rightarrow \ell^+\ell^-\nu\bar{\nu}$ production in pp collisions at $\sqrt{s}= 1.96$ TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.0269 [hep-ex]
FERMILAB-PUB-08-267-E(2008) (Submitted to Phys.Rev.D)
8. **“Measurement of the electron charge asymmetry in ppbar $\rightarrow W + X \rightarrow enu + X$ events at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0807.3367 [hep-ex]
FERMILAB-PUB-08-249-E(2008) (Submitted to Phys.Rev.Lett.)
9. **“Precise measurement of the top quark mass from lepton+jets events at D0”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0807.2141 [hep-ex]
FERMILAB-PUB-08-242-E(2008) (Submitted to Phys.Rev.Lett.)
10. **“Search for anomalous Wtb couplings in single top quark production”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0807.1692 [hep-ex]
FERMILAB-PUB-08-235-E(2008)
11. **“Search for charged Higgs bosons decaying to top and bottom quarks in ppbar collisions”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0807.0859 [hep-ex]
FERMILAB-PUB-08-229-E(2008) (Submitted to Phys.Rev.Lett.)

12. **“Search for long-lived particles decaying into electron or photon pairs with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0806.2223 [hep-ex]
FERMILAB-PUB-08-169-E(2008) (Submitted to Phys.Rev.Lett.)
13. **“Search for Higgs bosons decaying to tau pairs in ppbar collisions with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **101**, 071804 (2008) [arXiv:0805.2491 [hep-ex]]
14. **“Measurement of the differential cross section for the production of an isolated photon with associated jet in ppbar collisions at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0804.1107 [hep-ex]
FERMILAB-PUB-08-081-E(2008)
15. **“Measurement of the ttbar production cross section in ppbar collisions at sqrt(s) = 1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 192004 (2008) [arXiv:0803.2779 [hep-ex]]
16. **“Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in pp collisions at sqrt(s) = 1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **665**, 1 (2008) [arXiv:0803.2263 [hep-ex]]
17. **“Measurement of the ratio of the pp -> W+c-jet cross section to the inclusive pp -> W+jets cross section”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **666**, 23 (2008) [arXiv:0803.2259 [hep-ex]]
18. **“Search for large extra dimensions in the mono-photon final state at sqrt(s) = 1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **101**, 011601 (2008) [arXiv:0803.2137 [hep-ex]]
19. **“Search for pair production of doubly-charged Higgs bosons in the H++H--tomu+mu+mu-mu- final state at D0”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **101**, 071803 (2008) [arXiv:0803.1534 [hep-ex]]
20. **“Search for decay of a fermiophobic Higgs boson hf -> gamma gamma with the D0 detector at sqrt(s) = 1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **101**, 051801 (2008) [arXiv:0803.1514 [hep-ex]]
21. **“Evidence for production of single top quarks”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **78**, 012005 (2008) [arXiv:0803.0739 [hep-ex]]
22. **“First study of the radiation-amplitude zero in Wgamma production and limits on anomalous WWgamma couplings at sqrt(s)=1.96 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 241805 (2008) [arXiv:0803.0030 [hep-ex]]
23. **“Observation of the Bc Meson in the Exclusive Decay B(c) -> J/psi pi”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **101**, 012001 (2008) [arXiv:0802.4258 [hep-ex]]

24. **“Study of direct CP violation in $B^\pm \rightarrow J/\psi K^\pm(\pi^\pm)$ decays”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 211802 (2008) [arXiv:0802.3299 [hep-ex]]
25. **“Measurement of the inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **101**, 062001 (2008) [arXiv:0802.2400 [hep-ex]]
26. **“Measurement of B_s^0 mixing parameters from the flavor-tagged decay $B_s^0 \rightarrow J/\psi\phi$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0802.2255 [hep-ex]
FERMILAB-PUB-08-033-E(2008) (Submitted to Phys.Rev.Lett.)
27. **“Measurement Of Alpha(S) With Radiative Hadronic Events”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **53**, 21 (2008)
28. **“Simultaneous measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and the top quark pair production cross section with the D0 detector at $\text{sqrt}(s)=1.96\text{ TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 192003 (2008) [arXiv:0801.1326 [hep-ex]]
29. **“Search for excited electrons in $p\bar{p}$ collisions at $\text{sqrt}(s) = 1.96\text{ TeV}$ ”**
V. M. Abazov *et al.*
arXiv:0801.0877 [hep-ex]
FERMILAB-PUB-08-007-E(2008)
30. **“Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb-1 of $p\bar{p}$ collision data at $\text{sqrt}(s)=1.96\text{ TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **660**, 449 (2008) [arXiv:0712.3805 [hep-ex]]
31. **“Measurement of the B_{0s} semileptonic branching ratio to an orbitally excited D_s^{**} state, $Br(B_{0s} \rightarrow Ds1(2536)\mu\nu)$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0712.3789 [hep-ex]
FERMILAB-PUB-07-659-E(2007) (Submitted to Phys.Rev.Lett.)
32. **“First measurement of the forward-backward charge asymmetry in top quark pair production”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 142002 (2008) [arXiv:0712.0851 [hep-ex]]
33. **“Measurement of the shape of the boson transverse momentum distribution in $p\bar{p}$ collisions $Z/\gamma \rightarrow ee + X$ events produced at $\text{sqrt}(s)=1.96\text{ TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 102002 (2008) [arXiv:0712.0803 [hep-ex]]
34. **“Search for ZZ and $Z\gamma^*$ production in $p\bar{p}$ collisions at $\text{sqrt}(s) = 1.96\text{ TeV}$ and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 131801 (2008) [arXiv:0712.0599 [hep-ex]]
35. **“A combined search for the standard model Higgs boson at $\text{sqrt}(s)=1.96\text{ TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **663**, 26 (2008) [arXiv:0712.0598 [hep-ex]]
36. **“Search for sneutrino particles in $e + \mu$ final states in $p\bar{p}$ collisions at $\text{sqrt}(s) = 1.96\text{ TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 241803 (2008) [arXiv:0711.3207 [hep-ex]]

37. **“Model-independent measurement of the W boson helicity in top quark decays”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 062004 (2008) [arXiv:0711.0032 [hep-ex]]
38. **“Observation and properties of the orbitally excited B_{s2}^* Meson”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 082002 (2008) [arXiv:0711.0319 [hep-ex]]
39. **“Search for Supersymmetry in Di-Photon Final States at $\sqrt{s} = 1.96$ TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0710.3946 [hep-ex]
FERMILAB-PUB-07-560-E(2007)
40. **“Search for Randall-Sundrum gravitons with 1 fb⁻¹ of data from ppbar collisions at $\sqrt{s}=1.96$ TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 091802 (2008) [arXiv:0710.3338 [hep-ex]]
41. **“Search for W’ bosons decaying to an electron and a neutrino with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 031804 (2008) [arXiv:0710.2966 [hep-ex]]
42. **“Measurement of the muon charge asymmetry from W boson decays”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **77**, 011106 (2008) [arXiv:0709.4254 [hep-ex]]
43. **“Search for flavor-changing-neutral-current D meson decays”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 101801 (2008) [arXiv:0708.2094 [hep-ex]]
44. **“Measurement of the angular and lifetime parameters of the decays $B_d^0 \rightarrow J/\psi K^{*0}$ and $B_s^0 \rightarrow J/\psi \phi$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0810.0037 [hep-ex]
FERMILAB-PUB-08-418-E(2008)
45. **“Search for charged massive stable particles with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0809.4472 [hep-ex]
FERMILAB-PUB-08-409-E(2008)
46. **“Search for Large extra spatial dimensions in the dielectron and diphoton channels in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0809.2813 [hep-ex]
FERMILAB-PUB-08-368-E(2008)
47. **“Observation of the doubly strange b baryon Ω_b^- ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:0808.4142 [hep-ex]
FERMILAB-PUB-08-335-E(2008) (Submitted to Phys.Rev.Lett.)
48. **“Search for ttbar resonances in the lepton plus jets final state in ppbar collisions at $\sqrt{s}=1.96$ TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **668**, 98 (2008) [arXiv:0804.3664 [hep-ex]]
49. **“Search for W-prime boson resonances decaying to a top quark and a bottom quark”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **100**, 211803 (2008) [arXiv:0803.3256 [hep-ex]]

50. **“Measurement of the $p\bar{p} \rightarrow WZ+X$ cross-section at $\sqrt{s} = 1.96\text{-TeV}$ and limits on WWZ trilinear gauge couplings”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **76**, 111104 (2007) [arXiv:0709.2917 [hep-ex]]
51. **“Search for third-generation leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **99**, 061801 (2007) [arXiv:0705.0812 [hep-ex]]
52. **“Higgs boson searches at OPAL (LEP), ATLAS (LHC) and ILC”**
L. Zivkovic
CERN-THESIS-2006-063(2006)
53. **“Measurement of the $e^+e^- \rightarrow W^+W^-$ cross section and W decay branching fractions at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **52**, 767 (2007) [arXiv:0708.1311 [hep-ex]]
54. **“Bose-Einstein study of position-momentum correlations of charged pions in hadronic Z0 decays”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **52**, 787 (2007) [arXiv:0708.1122 [hep-ex]]
55. **“Search for $B_s \rightarrow \mu^+\mu^-$ at D0”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **76**, 092001 (2007) [arXiv:0707.3997 [hep-ex]]
56. **“Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **659**, 500 (2008) [arXiv:0707.2864 [hep-ex]]
57. **“Search for Direc Magnetic Monopoles in e+e- Collisions with the OPAL Detector at LEP2”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **663**, 37 (2008) [arXiv:0707.0404 [hep-ex]]
58. **“Search for invisibly decaying Higgs bosons in e+e- \rightarrow Zoho production at sqrt(s) = 183 - 209 GeV”**
G. Abbiendi *et al.* [OPAL Collaboration]
arXiv:0707.0373 [hep-ex]
CERN-PH-EP-2007-018(2007) (Submitted to Phys.Lett.B)
59. **“Inclusive Jet Production in Photon-Photon Collisions at $\sqrt{(s_e e)}$ from 189 to 209 GeV”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **658**, 185 (2008) [arXiv:0706.4382 [hep-ex]]
60. **“Measurement of the Λ_b^0 lifetime using semileptonic decays”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **99**, 182001 (2007) [arXiv:0706.2358 [hep-ex]]
61. **“Direct observation of the strange b baryon Xi_b^- ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **99**, 052001 (2007) [arXiv:0706.1690 [hep-ex]]
62. **“Measurement of the $t\bar{t}$ production cross-section in $p\bar{p}$ collisions using dilepton events”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **76**, 052006 (2007) [arXiv:0706.0458 [hep-ex]]

63. **“Observation and Properties of $L = 1B_1$ and B_2^* Mesons”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **99**, 172001 (2007) [arXiv:0705.3229 [hep-ex]]
64. **“Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ using kinematic characteristics of lepton + jets events”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **76**, 092007 (2007) [arXiv:0705.2788 [hep-ex]]
65. **“ $Z\gamma$ production and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **653**, 378 (2007) [arXiv:0705.1550 [hep-ex]]
66. **“Search for stopped gluinos from $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **99**, 131801 (2007) [arXiv:0705.0306 [hep-ex]]
67. **“Measurement of the Λ_b lifetime in the exclusive decay $\Lambda_b \rightarrow J/\psi\Lambda$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **99**, 142001 (2007) [arXiv:0704.3909 [hep-ex]]
68. **“Search for a Higgs boson produced in association with a Z boson in $p\bar{p}$ collisions”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **655**, 209 (2007) [arXiv:0704.2000 [hep-ex]]
69. **“Inclusive production of charged hadrons in photon photon collisions”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **651**, 92 (2007) [arXiv:hep-ex/0612045]
70. **“Search for invisibly decaying Higgs bosons with large decay width using the OPAL detector at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **49**, 457 (2007) [arXiv:hep-ex/0610056]
71. **“QCD coherence and correlations of particles with restricted momenta in hadronic Z decays”**
G. Abbiendi *et al.* [OPAL Collaboration G Abbiendi]
Phys. Lett. B **638**, 30 (2006) [arXiv:hep-ex/0604003]
72. **“Search for neutral MSSM Higgs bosons at LEP”**
S. Schael *et al.* [ALEPH Collaboration and DELPHI Collaboration and L3 Collaboration and]
Eur. Phys. J. C **47**, 547 (2006) [arXiv:hep-ex/0602042]
73. **“Measurement of the strong coupling $\alpha(s)$ from four-jet observables in e^+e^- annihilation”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **47**, 295 (2006) [arXiv:hep-ex/0601048]
74. **“Colour reconnection in $e^+e^- \rightarrow W^+W^-$ at $s^{*(1/2)} = 189\text{-GeV} - 209\text{-GeV}$ ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **45**, 291 (2006) [arXiv:hep-ex/0508062]
75. **“Measurement of the mass and width of the W boson”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **45**, 307 (2006) [arXiv:hep-ex/0508060]
76. **“Searches for gauge-mediated supersymmetry breaking topologies in e^+e^- collisions at LEP2”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **46**, 307 (2006) [arXiv:hep-ex/0507048]

77. **“Determination of $\alpha(s)$ using jet rates at LEP with the OPAL detector”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **45**, 547 (2006) [arXiv:hep-ex/0507047]
78. **“Measurement of the running of the QED coupling in small-angle Bhabha scattering at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **45**, 1 (2006) [arXiv:hep-ex/0505072]
79. **“Measurements of the standard model Higgs parameters at ATLAS”**
 L. Zivkovic
 Czech. J. Phys. **54**, A73 (2004)
Prepared for Advanced Studies Institute: Physics at LHC (LHC-Praha-2003), Prague, Czech Republic, 6-12 Jul 2003
80. **“Measurement of event shape distributions and moments in $e^+ e^- \rightarrow$ hadrons at 91-GeV - 209-GeV and a determination of $\alpha(s)$ ”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **40**, 287 (2005) [arXiv:hep-ex/0503051]
81. **“Physics interplay of the LHC and the ILC”**
 G. Weiglein *et al.* [LHC/LC Study Group]
 Phys. Rept. **426**, 47 (2006) [arXiv:hep-ph/0410364]
82. **“Search for radions at LEP2”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **609**, 20 (2005) [Erratum-ibid. B **637**, 374 (2006)] [arXiv:hep-ex/0410035]
83. **“Measurement of $R(b)$ in $e^+ e^-$ collisions at 182-GeV - 209-GeV”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **609**, 212 (2005) [arXiv:hep-ex/0410034]
84. **“Determination of the LEP beam energy using radiative fermion-pair events”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **604**, 31 (2004) [arXiv:hep-ex/0408130]
85. **“Flavour independent h_0 A0 search and two Higgs doublet model interpretation of neutral Higgs boson searches at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **40**, 317 (2005) [arXiv:hep-ex/0408097]
86. **“Multi-photon events with large missing energy in $e^+ e^-$ collisions at $s^{1/2} = 192$ -GeV - 209-GeV”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 eConf **C0409272**, 012 (2004) [Phys. Lett. B **602**, 167 (2004)] [arXiv:hep-ex/0412011]
Presented at 2nd High-Energy Physics Conference in Madagascar (HEP-MAD 04), Antananarivo, Madagascar, 27 Sep - 3 Oct 2004
87. **“LHC / LC interplay in the MSSM Higgs sector”**
 K. Desch, E. Gross, S. Heinemeyer, G. Weiglein and L. Zivkovic
 JHEP **0409**, 062 (2004) [arXiv:hep-ph/0406322]
88. **“Search for neutral Higgs boson in CP-conserving and CP-violating MSSM scenarios”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **37**, 49 (2004) [arXiv:hep-ex/0406057]
89. **“Measurement of the strange spectral function in hadronic tau decays”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **35**, 437 (2004) [arXiv:hep-ex/0406007]

90. **“Scaling violations of quark and gluon jet fragmentation functions in $e^+ e^-$ annihilations at $s^{*(1/2)} = 91.2\text{-GeV}$ and $183\text{-GeV} - 209\text{-GeV}$ ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **37**, 25 (2004) [arXiv:hep-ex/0404026]
91. **“Study of Bose-Einstein correlations in $e^+ e^- \rightarrow W^+ W^-$ events at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **36**, 297 (2004) [arXiv:hep-ex/0403055]
92. **“Constraints on anomalous quartic gauge boson couplings from ν anti- ν gamma gamma and q anti- q gamma gamma events at LEP2”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Rev. D **70**, 032005 (2004) [arXiv:hep-ex/0402021]
93. **“Search for chargino and neutralino production at $s^{*(1/2)} = 192\text{-GeV}$ to 209-GeV at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **35**, 1 (2004) [arXiv:hep-ex/0401026]
94. **“W boson polarisation at LEP2”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **585**, 223 (2004) [arXiv:hep-ex/0312047]
95. **“Measurement of the partial widths of the Z into up- and down-type quarks”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **586**, 167 (2004) [arXiv:hep-ex/0312043]
96. **“Flavour independent search for Higgs bosons decaying into hadronic final states in $e^+ e^-$ collisions at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **597**, 11 (2004) [arXiv:hep-ex/0312042]
97. **“Search for R-parity violating decays of scalar fermions at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **33**, 149 (2004) [arXiv:hep-ex/0310054]
98. **“Experimental studies of unbiased gluon jets from $e^+ e^-$ annihilations using the jet boost algorithm”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Rev. D **69**, 032002 (2004) [arXiv:hep-ex/0310048]
99. **“Study of Z pair production and anomalous couplings in $e^+ e^-$ collisions at $s^{*(1/2)}$ between 190-GeV and 209-GeV ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **32**, 303 (2003) [arXiv:hep-ex/0310013]
100. **“Tests of the standard model and constraints on new physics from measurements of fermion-pair production at 189-GeV to 209-GeV at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **33**, 173 (2004) [arXiv:hep-ex/0309053]
101. **“Search for anomalous production of di-lepton events with missing transverse momentum in $e^+ e^-$ collisions at $s^{*(1/2)} = 183\text{-GeV} - 209\text{-GeV}$ ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **32**, 453 (2004) [arXiv:hep-ex/0309014]
102. **“A study of $W^+ W^-$ gamma events at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **580**, 17 (2004) [arXiv:hep-ex/0309013]

103. **“Measurement of charged current triple gauge boson couplings using W pairs at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **33**, 463 (2004) [arXiv:hep-ex/0308067]
104. **“Search for the single production of doubly-charged Higgs bosons and constraints on their couplings from Bhabha scattering”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **577**, 93 (2003) [arXiv:hep-ex/0308052]
105. **“Measurement of heavy quark forward-backward asymmetries and average B mixing using leptons in hadronic Z decays”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **577**, 18 (2003) [arXiv:hep-ex/0308051]
106. **“A study of charm production in beauty decays with the OPAL detector at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **35**, 149 (2004) [arXiv:hep-ex/0308050]
107. **“Tests of models of color reconnection and a search for glueballs using gluon jets with a rapidity gap”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **35**, 293 (2004) [arXiv:hep-ex/0306021]
108. **“Measurement of isolated prompt photon production in photon photon collisions at $s^{(1/2)} = 183\text{-GeV} - 209\text{-GeV}$ ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **31**, 491 (2003) [arXiv:hep-ex/0305075]
109. **“Search for the standard model Higgs boson at LEP”**
R. Barate *et al.* [LEP Working Group for Higgs boson searches and ALEPH Collaboration and
and]
Phys. Lett. B **565**, 61 (2003) [arXiv:hep-ex/0306033]
110. **“Search for pair-produced leptoquarks in $e^+ e^-$ interactions at $s^{(1/2)} = 189\text{-GeV}$ to 209-GeV ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **31**, 281 (2003) [arXiv:hep-ex/0305053]
111. **“Search for stable and long-lived massive charged particles in $e^+ e^-$ collisions at $s^{(1/2)} = 130\text{-GeV}$ to 209-GeV ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **572**, 8 (2003) [arXiv:hep-ex/0305031]
112. **“Test of non-commutative QED in the process $e^+ e^- \rightarrow \gamma \gamma$ at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **568**, 181 (2003) [arXiv:hep-ex/0303035]
113. **“Bose-Einstein correlations of π^0 pairs from hadronic Z^0 decays”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **559**, 131 (2003) [arXiv:hep-ex/0302027]
114. **“A measurement of semileptonic B decays to narrow orbitally-excited charm mesons”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **30**, 467 (2003) [arXiv:hep-ex/0301018]
115. **“Di-jet production in photon photon collisions at $s^{(1/2)} =$ from 189-GeV to 209-GeV ”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **31**, 307 (2003) [arXiv:hep-ex/0301013]

116. **“A measurement of the tau- \rightarrow mu- anti-nu/mu nu/tau branching ratio”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **551**, 35 (2003) [arXiv:hep-ex/0211066]
117. **“Charged particle multiplicities in heavy and light quark initiated events above the Z0 peak”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **550**, 33 (2002) [arXiv:hep-ex/0211007]
118. **“Search for nearly mass-degenerate charginos and neutralinos at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **29**, 479 (2003) [arXiv:hep-ex/0210043]
119. **“Measurement of neutral-current four-fermion production at LEP2”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **544**, 259 (2002) [arXiv:hep-ex/0210026]
120. **“Inclusive analysis of the b quark fragmentation function in Z decays at LEP. ((B))”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **29**, 463 (2003) [arXiv:hep-ex/0210031]
121. **“Multi-photon production in e+ e- collisions at $s^{*(1/2)} = 181\text{-GeV} - 209\text{-GeV}$ ”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **26**, 331 (2003) [arXiv:hep-ex/0210016]
122. **“Search for the standard model Higgs boson with the OPAL detector at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **26**, 479 (2003) [arXiv:hep-ex/0209078]
123. **“Measurement of the b quark forward-backward asymmetry around the Z0 peak using an inclusive tag. ((B))”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **546**, 29 (2002) [arXiv:hep-ex/0209076]
124. **“Search for a low mass CP-odd Higgs boson in e+ e- collisions with the OPAL detector at LEP2”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **27**, 483 (2003) [arXiv:hep-ex/0209068]
125. **“Measurement of the cross-section for the process $\gamma\gamma \rightarrow p\text{ anti-p}$ at $s(ee)^{*(1/2)} = 183\text{-GeV} - 189\text{-GeV}$ at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **28**, 45 (2003) [arXiv:hep-ex/0209052]
126. **“Charged particle momentum spectra in e+ e- annihilation at $s^{*(1/2)} = 192\text{-GeV} - 209\text{-GeV}$ ”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Eur. Phys. J. C **27**, 467 (2003) [arXiv:hep-ex/0209048]
127. **“Search for scalar top and scalar bottom quarks at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **545**, 272 (2002) [Erratum-ibid. B **548**, 258 (2002)] [arXiv:hep-ex/0209026]
128. **“Search for associated production of massive states decaying into two photons in e+ e- annihilations at $s^{*(1/2)} = 88\text{-GeV} - 209\text{-GeV}$ ”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **544**, 44 (2002) [arXiv:hep-ex/0207027]
129. **“Search for charged excited leptons in e+ e- collisions at $s^{*(1/2)} = 183\text{-GeV} - 209\text{-GeV}$ ”**
 G. Abbiendi *et al.* [OPAL Collaboration]
 Phys. Lett. B **544**, 57 (2002) [arXiv:hep-ex/0206061]

130. **“Decay-mode independent searches for new scalar bosons with the OPAL detector at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Eur. Phys. J. C **27**, 311 (2003) [arXiv:hep-ex/0206022]
131. **“Measurement of the charm structure function $F_2(c)(\gamma)$ of the photon at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration]
Phys. Lett. B **539**, 13 (2002) [arXiv:hep-ex/0206021]