

**ALLEGATO B**

**Curriculum formativo, didattico, scientifico e professionale del candidato**

<p><b>Dichiarazione sostitutiva di certificazioni</b>          (Art. 46, D.P.R. 28 dicembre 2000 n. 445)</p> <p><b>Dichiarazione sostitutiva dell'atto di notorietà</b>          (da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)          (Art. 47, D.P.R. 28 dicembre 2000 n. 445)</p>
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Estremi del bando di selezione	5 / 2019
Informazioni aggiornate al	
Nome e Cognome	Benjamin Audena
Data di nascita	

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

**Esperienza professionale**

Periodo	Ente	Principali attività e responsabilità
Nov 2017 - 2019	Università degli studi di Cagliari	Amministratore di vicaria

**Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)**

Data	Titolo / Principali tematiche	Ente
Oct 2014 - 2017	Thesis Magistral	Università di Nantes
Sept 2012 - 2014	di fisica	Università di Nantes
Sept 2003 - 2012	triennale di fisica	Università di La Rochelle

**Pubblicazioni / Convegni**

<p>Allegato con il C.V. Parte integrante di questa certificazione</p>

**Altre attività scientifiche**

Unica Open days 2018
CERN Master class 2016 - 2017 - 2018 - 2019
Pinks of science 2016

**Ulteriori informazioni pertinenti**


Luogo, data e firma

Cagliari, 27/03/2019

# Benjamin Audurier

## Curriculum Vitae



### Personal data

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Adress :   
 Email :   
 Age :   
 Languages : French, English, Italian

### Academics

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- 2014 - 2017 | **PhD in Physics, Nantes University, France**  
Director - Supervisor : Dr. Ginés Martínez - Dr. Philippe Pillot  
Title : *Inclusive  $J/\psi$  production studies in pp and Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV with the muon spectrometer of the ALICE experiment at the LHC*
- 2012 - 2014 | **Master degree in subatomic physics, Université de Nantes, France**  
Supervisors for the master thesis : Dr. Pol Bernard Gossiaux, Dr. Stéphane Peigné  
Title : *Study of the  $\psi(2S)$  to  $J/\psi$  relative suppression in high-energy p-A collisions based on the coherent energy loss model and multiple scattering effects.*
- 2009 - 2012 | **Undergraduate degree in chemistry and physics, La Rochelle University, France**

### Short summary of research activities

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- Nov. 2017 - Today | **Post-doc position at Cagliari University, Cagliari-IT, LHCb group**  
Member of the LHCb collaboration. Hired by the *European Research Council consolidator grant 'ExploringMatter'*. Named *convener* of the LHCb *Ion and Fixed-Target (IFT)* working group for a two year mandates starting in 2019. Active participation as IFT expert to the recording, reconstruction and validation of the Pb-Pb and Pb-Ne data taken from September to December 2018 at the LHC. Coordinator of the run 3 - run 4 prospectives and future detector performances in central heavy-ion collisions. Simulation expert of the IFT group. Involved in several analysis in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV such as the measurements of the coherent  $J/\psi$  production in ultra-peripheral collisions and the open-charm measurements in peripheral Pb-Pb collisions. Co-supervisor of a PhD student working on the measurement of the  $J/\psi$  very-low  $p_T$  excess in peripheral Pb-Pb collisions.
- Sept. 2014 - Oct. 2017 | **PhD at Nantes University, Nantes-FR, Subatech laboratory, ALICE group**  
Main analyser of the  $J/\psi$  production measurement in pp and Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV with the ALICE detector. Involved in the collaboration's operations as muon trigger expert and Data-Quality manager. Supervisor of a master student working on the measurement of the  $\psi(2S)$  over  $J/\psi$  relative suppression in high charged particles multiplicity events in pp collisions at  $\sqrt{s} = 13$  TeV with ALICE.

## Papers by Benjamin Audurier

1. **“Inclusive, prompt and non-prompt  $J/\psi$  production at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1504.07151 [nucl-ex]  
DOI:10.1007/JHEP07(2015)051  
JHEP **1507**, 051 (2015)  
CERN-PH-EP-2015-092  
INSPIRE-HEP entry  
60 citations counted in INSPIRE as of 21 Mar 2019
2. **“Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1506.03984 [nucl-ex]  
DOI:10.1007/JHEP09(2015)170  
JHEP **1509**, 170 (2015)  
CERN-PH-EP-2015-136  
INSPIRE-HEP entry  
70 citations counted in INSPIRE as of 21 Mar 2019
3. **“Centrality dependence of high- $p_T$  D meson suppression in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1506.06604 [nucl-ex]  
DOI:10.1007/JHEP11(2015)205, 10.1007/JHEP06(2017)032  
JHEP **1511**, 205 (2015), Addendum: [JHEP **1706**, 032 (2017)]  
CERN-PH-EP-2015-151  
INSPIRE-HEP entry  
73 citations counted in INSPIRE as of 21 Mar 2019
4. **“Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1506.07287 [nucl-ex]  
DOI:10.1103/PhysRevC.93.034913  
Phys. Rev. C **93**, no. 3, 034913 (2016)  
CERN-PH-EP-2015-152  
INSPIRE-HEP entry  
70 citations counted in INSPIRE as of 21 Mar 2019
5. **“One-dimensional pion, kaon, and proton femtoscopia in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1506.07884 [nucl-ex]  
DOI:10.1103/PhysRevC.92.054908  
Phys. Rev. C **92**, no. 5, 054908 (2015)  
CERN-PH-EP-2015-106  
INSPIRE-HEP entry  
34 citations counted in INSPIRE as of 21 Mar 2019

6. **“Forward-central two-particle correlations in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1506.08032 [nucl-ex]  
 DOI:10.1016/j.physletb.2015.12.010  
 Phys. Lett. B **753**, 126 (2016)  
 CERN-PH-EP-2015-155  
 INSPIRE-HEP entry  
 55 citations counted in INSPIRE as of 21 Mar 2019
  
7. **“Differential studies of inclusive J/ $\psi$  and  $\psi(2S)$  production at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1506.08804 [nucl-ex]  
 DOI:10.1007/JHEP05(2016)179  
 JHEP **1605**, 179 (2016)  
 CERN-PH-EP-2015-157  
 INSPIRE-HEP entry  
 70 citations counted in INSPIRE as of 21 Mar 2019
  
8. **“Centrality dependence of inclusive J/ $\psi$  production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1506.08808 [nucl-ex]  
 DOI:10.1007/JHEP11(2015)127  
 JHEP **1511**, 127 (2015)  
 CERN-PH-EP-2015-158  
 INSPIRE-HEP entry  
 51 citations counted in INSPIRE as of 21 Mar 2019
  
9. **“ $^3_{\Lambda}$ H and  $^3_{\Lambda}\bar{H}$  production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1506.08453 [nucl-ex]  
 DOI:10.1016/j.physletb.2016.01.040  
 Phys. Lett. B **754**, 360 (2016)  
 CERN-PH-EP-2015-105  
 INSPIRE-HEP entry  
 79 citations counted in INSPIRE as of 21 Mar 2019
  
10. **“ $\phi$ -meson production at forward rapidity in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV and in pp collisions at  $\sqrt{s} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1506.09206 [nucl-ex]  
 DOI:10.1016/j.physletb.2017.01.074  
 Phys. Lett. B **768**, 203 (2017)  
 CERN-PH-EP-2015-161, ALICE-PUBLIC-2016-004  
 INSPIRE-HEP entry  
 24 citations counted in INSPIRE as of 21 Mar 2019
  
11. **“Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1507.03134 [nucl-ex]  
 DOI:10.1016/j.physletb.2015.11.059  
 Phys. Lett. B **753**, 41 (2016)  
 CERN-PH-EP-2015-173  
 INSPIRE-HEP entry  
 32 citations counted in INSPIRE as of 21 Mar 2019
  
12. **“Event shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**

- J. Adam *et al.* [ALICE Collaboration].  
arXiv:1507.06194 [nucl-ex]  
DOI:10.1103/PhysRevC.93.034916  
Phys. Rev. C **93**, no. 3, 034916 (2016)  
CERN-PH-EP-2015-171  
INSPIRE-HEP entry  
30 citations counted in INSPIRE as of 21 Mar 2019
13. **“Centrality dependence of pion freeze-out radii in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1507.06842 [nucl-ex]  
DOI:10.1103/PhysRevC.93.024905  
Phys. Rev. C **93**, no. 2, 024905 (2016)  
CERN-PH-EP-2015-140  
INSPIRE-HEP entry  
33 citations counted in INSPIRE as of 21 Mar 2019
14. **“Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1507.07577 [astro-ph.HE]  
DOI:10.1088/1475-7516/2016/01/032  
JCAP **1601**, 032 (2016)  
CERN-PH-EP-2015-196, ALICE-PUBLIC-2016-003  
INSPIRE-HEP entry  
24 citations counted in INSPIRE as of 21 Mar 2019
15. **“Transverse momentum dependence of D-meson production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.06888 [nucl-ex]  
DOI:10.1007/JHEP03(2016)081  
JHEP **1603**, 081 (2016)  
CERN-PH-EP-2015-252  
INSPIRE-HEP entry  
124 citations counted in INSPIRE as of 21 Mar 2019
16. **“Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p?Pb, and Pb?Pb collisions at the LHC”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07255 [nucl-ex]  
DOI:10.1140/epjc/s10052-016-3915-1  
Eur. Phys. J. C **76**, no. 2, 86 (2016)  
CERN-PH-EP-2015-263  
INSPIRE-HEP entry  
18 citations counted in INSPIRE as of 21 Mar 2019
17. **“Measurement of  $D_s^+$  production and nuclear modification factor in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07287 [nucl-ex]  
DOI:10.1007/JHEP03(2016)082  
JHEP **1603**, 082 (2016)  
CERN-PH-EP-2015-253  
INSPIRE-HEP entry  
48 citations counted in INSPIRE as of 21 Mar 2019
18. **“Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**

- J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07299 [nucl-ex]  
DOI:10.1016/j.physletb.2015.12.082  
Phys. Lett. B **754**, 373 (2016)  
CERN-PH-EP-2015-257, ALICE-PUBLIC-2015-010  
INSPIRE-HEP entry  
28 citations counted in INSPIRE as of 21 Mar 2019
19. **“Direct photon production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07324 [nucl-ex]  
DOI:10.1016/j.physletb.2016.01.020  
Phys. Lett. B **754**, 235 (2016)  
CERN-PH-EP-2015-254, ALICE-PUBLIC-2015-007  
INSPIRE-HEP entry  
131 citations counted in INSPIRE as of 21 Mar 2019
20. **“Azimuthal anisotropy of charged jet production in  $\sqrt{s_{NN}} = 2.76$  TeV Pb-Pb collisions”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07334 [nucl-ex]  
DOI:10.1016/j.physletb.2015.12.047  
Phys. Lett. B **753**, 511 (2016)  
CERN-PH-EP-2015-258  
INSPIRE-HEP entry  
21 citations counted in INSPIRE as of 21 Mar 2019
21. **“Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07491 [nucl-ex]  
DOI:10.1016/j.physletb.2015.12.067  
Phys. Lett. B **754**, 81 (2016)  
CERN-PH-EP-2015-262  
INSPIRE-HEP entry  
37 citations counted in INSPIRE as of 21 Mar 2019
22. **“Charged-particle multiplicities in proton-proton collisions at  $\sqrt{s} = 0.9$  to 8 TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.07541 [nucl-ex]  
DOI:10.1140/epjc/s10052-016-4571-1  
Eur. Phys. J. C **77**, no. 1, 33 (2017)  
CERN-PH-EP-2015-259  
INSPIRE-HEP entry  
65 citations counted in INSPIRE as of 21 Mar 2019
23. **“Inclusive quarkonium production at forward rapidity in pp collisions at  $\sqrt{s} = 8$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.08258 [hep-ex]  
DOI:10.1140/epjc/s10052-016-3987-y  
Eur. Phys. J. C **76**, no. 4, 184 (2016)  
CERN-PH-EP-2015-267  
INSPIRE-HEP entry  
22 citations counted in INSPIRE as of 21 Mar 2019
24. **“Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at  $\sqrt{s} = 13$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.08734 [nucl-ex]  
DOI:10.1016/j.physletb.2015.12.030

- Phys. Lett. B **753**, 319 (2016)  
CERN-PH-EP-2015-270, ALICE-PUBLIC-2015-005  
INSPIRE-HEP entry  
71 citations counted in INSPIRE as of 21 Mar 2019
25. **“Measurement of an excess in the yield of  $J/\psi$  at very low  $p_T$  in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1509.08802 [nucl-ex]  
DOI:10.1103/PhysRevLett.116.222301  
Phys. Rev. Lett. **116**, no. 22, 222301 (2016)  
CERN-PH-EP-2015-268  
INSPIRE-HEP entry  
61 citations counted in INSPIRE as of 21 Mar 2019
26. **“Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1512.05739 [nucl-ex]  
DOI:10.1103/PhysRevC.93.044903  
Phys. Rev. C **93**, no. 4, 044903 (2016)  
CERN-PH-EP-2015-316  
INSPIRE-HEP entry  
33 citations counted in INSPIRE as of 21 Mar 2019
27. **“Centrality dependence of the charged-particle multiplicity density at midrapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1512.06104 [nucl-ex]  
DOI:10.1103/PhysRevLett.116.222302  
Phys. Rev. Lett. **116**, no. 22, 222302 (2016)  
CERN-PH-EP-2015-324, ALICE-PUBLIC-2015-008  
INSPIRE-HEP entry  
116 citations counted in INSPIRE as of 21 Mar 2019
28. **“Multi-strange baryon production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1512.07227 [nucl-ex]  
DOI:10.1016/j.physletb.2016.05.027  
Phys. Lett. B **758**, 389 (2016)  
CERN-PH-EP-2015-327  
INSPIRE-HEP entry  
70 citations counted in INSPIRE as of 21 Mar 2019
29. **“Multipion Bose-Einstein correlations in pp,p -Pb, and Pb-Pb collisions at energies available at the CERN Large Hadron Collider”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1512.08902 [nucl-ex]  
DOI:10.1103/PhysRevC.93.054908  
Phys. Rev. C **93**, no. 5, 054908 (2016)  
CERN-PH-EP-2015-330, ALICE-PUBLIC-2015-009  
INSPIRE-HEP entry  
15 citations counted in INSPIRE as of 21 Mar 2019
30. **“Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1601.03658 [nucl-ex]  
DOI:10.1016/j.physletb.2016.07.050

Phys. Lett. B **760**, 720 (2016)

CERN-EP-2016-003

INSPIRE-HEP entry

51 citations counted in INSPIRE as of 21 Mar 2019

31. **“Production of  $K^*$  (892)<sup>0</sup> and  $\phi$  (1020) in pPb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1601.07868 [nucl-ex]  
DOI:10.1140/epjc/s10052-016-4088-7  
Eur. Phys. J. C **76**, no. 5, 245 (2016)  
CERN-PH-EP-2015-326  
INSPIRE-HEP entry  
48 citations counted in INSPIRE as of 21 Mar 2019
32. **“Anisotropic flow of charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1602.01119 [nucl-ex]  
DOI:10.1103/PhysRevLett.116.132302  
Phys. Rev. Lett. **116**, no. 13, 132302 (2016)  
CERN-EP-2016-018  
INSPIRE-HEP entry  
103 citations counted in INSPIRE as of 21 Mar 2019
33. **“Particle identification in ALICE: a Bayesian approach”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1602.01392 [physics.data-an]  
DOI:10.1140/epjp/i2016-16168-5  
Eur. Phys. J. Plus **131**, no. 5, 168 (2016)  
CERN-EP-2016-023  
INSPIRE-HEP entry  
16 citations counted in INSPIRE as of 21 Mar 2019
34. **“Measurement of D-meson production versus multiplicity in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1602.07240 [nucl-ex]  
DOI:10.1007/JHEP08(2016)078  
JHEP **1608**, 078 (2016)  
CERN-EP-2016-034  
INSPIRE-HEP entry  
21 citations counted in INSPIRE as of 21 Mar 2019
35. **“Centrality dependence of  $\psi(2S)$  suppression in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1603.02816 [nucl-ex]  
DOI:10.1007/JHEP06(2016)050  
JHEP **1606**, 050 (2016)  
CERN-EP-2016-046  
INSPIRE-HEP entry  
26 citations counted in INSPIRE as of 21 Mar 2019
36. **“Centrality dependence of charged jet production in pPb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1603.03402 [nucl-ex]  
DOI:10.1140/epjc/s10052-016-4107-8  
Eur. Phys. J. C **76**, no. 5, 271 (2016)  
CERN-EP-2016-052, ALICE-PUBLIC-2016-001  
INSPIRE-HEP entry  
23 citations counted in INSPIRE as of 21 Mar 2019



37. **“Measurement of transverse energy at midrapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1603.04775 [nucl-ex]  
 DOI:10.1103/PhysRevC.94.034903  
 Phys. Rev. C **94**, no. 3, 034903 (2016)  
 CERN-EP-2016-071  
 INSPIRE-HEP entry  
 26 citations counted in INSPIRE as of 21 Mar 2019
38. **“Correlated event-by-event fluctuations of flow harmonics in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1604.07663 [nucl-ex]  
 DOI:10.1103/PhysRevLett.117.182301  
 Phys. Rev. Lett. **117**, 182301 (2016)  
 CERN-EP-2016-102  
 INSPIRE-HEP entry  
 98 citations counted in INSPIRE as of 21 Mar 2019
39. **“Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1605.02035 [nucl-ex]  
 DOI:10.1016/j.physletb.2016.07.017  
 Phys. Lett. B **762**, 376 (2016)  
 CERN-EP-2016-115  
 INSPIRE-HEP entry  
 28 citations counted in INSPIRE as of 21 Mar 2019
40. **“Measurement of azimuthal correlations of D mesons and charged particles in pp collisions at  $\sqrt{s} = 7$  TeV and p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1605.06963 [nucl-ex]  
 DOI:10.1140/epjc/s10052-017-4779-8  
 Eur. Phys. J. C **77**, no. 4, 245 (2017)  
 CERN-EP-2016-129  
 INSPIRE-HEP entry  
 34 citations counted in INSPIRE as of 21 Mar 2019
41. **“D-meson production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV and in pp collisions at  $\sqrt{s} = 7$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1605.07569 [nucl-ex]  
 DOI:10.1103/PhysRevC.94.054908  
 Phys. Rev. C **94**, no. 5, 054908 (2016)  
 CERN-EP-2016-127  
 INSPIRE-HEP entry  
 65 citations counted in INSPIRE as of 21 Mar 2019
42. **“Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1606.00321 [nucl-ex]  
 DOI:10.1007/JHEP09(2016)028  
 JHEP **1609**, 028 (2016)  
 CERN-EP-2016-136  
 INSPIRE-HEP entry  
 26 citations counted in INSPIRE as of 21 Mar 2019

43. **“Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1606.06057 [nucl-ex]  
DOI:10.1007/JHEP09(2016)164  
JHEP **1609**, 164 (2016)  
CERN-EP-2016-159  
INSPIRE-HEP entry  
35 citations counted in INSPIRE as of 21 Mar 2019
44. **“Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1606.07424 [nucl-ex]  
DOI:10.1038/nphys4111  
Nature Phys. **13**, 535 (2017)  
CERN-EP-2016-153  
INSPIRE-HEP entry  
167 citations counted in INSPIRE as of 21 Mar 2019
45. **“ $J/\psi$  suppression at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1606.08197 [nucl-ex]  
DOI:10.1016/j.physletb.2016.12.064  
Phys. Lett. B **766**, 212 (2017)  
CERN-EP-2016-162  
INSPIRE-HEP entry  
70 citations counted in INSPIRE as of 21 Mar 2019
46. **“Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1608.07201 [nucl-ex]  
DOI:10.1016/j.physletb.2016.10.048  
Phys. Lett. B **763**, 238 (2016)  
CERN-EP-2016-195  
INSPIRE-HEP entry  
16 citations counted in INSPIRE as of 21 Mar 2019
47. **“Measurement of electrons from beauty-hadron decays in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV and Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1609.03898 [nucl-ex]  
DOI:10.1007/JHEP07(2017)052  
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CERN-EP-2016-222  
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48. **“Anomalous evolution of the near-side jet peak shape in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
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49. **“Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
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50. **“Measurement of the production of high- $p_T$  electrons from heavy-flavour hadron decays in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
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51. **“Determination of the event collision time with the ALICE detector at the LHC”**  
 J. Adam *et al.* [ALICE Collaboration].  
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52. **“W and Z boson production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
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53. **“Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
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54. **“Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at  $\sqrt{s} = 7$  TeV”**  
 J. Adam *et al.* [ALICE Collaboration].  
 arXiv:1612.08975 [nucl-ex]  
 DOI:10.1140/epjc/s10052-017-5129-6  
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55. **“Production of  $\Sigma(1385)^\pm$  and  $\Xi(1530)^0$  in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
 D. Adamova *et al.* [ALICE Collaboration].

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DOI:10.1140/epjc/s10052-017-4943-1  
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56. **“ $K^*(892)^0$  and  $\phi(1020)$  meson production at high transverse momentum in pp and Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
J. Adam *et al.* [ALICE Collaboration].  
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57. **“Energy dependence of forward-rapidity  $J/\psi$  and  $\psi(2S)$  production in pp collisions at the LHC”**  
S. Acharya *et al.* [ALICE Collaboration].  
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DOI:10.1140/epjc/s10052-017-4940-4  
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INSPIRE-HEP entry  
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58. **“Measurement of D-meson production at mid-rapidity in pp collisions at  $\sqrt{s} = 7$  TeV”**  
S. Acharya *et al.* [ALICE Collaboration].  
arXiv:1702.00766 [hep-ex]  
DOI:10.1140/epjc/s10052-017-5090-4  
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59. **“First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC”**  
S. Acharya *et al.* [ALICE Collaboration].  
arXiv:1702.00804 [nucl-ex]  
DOI:10.1016/j.physletb.2017.11.044  
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60. **“Production of  $\pi^0$  and  $\eta$  mesons up to high transverse momentum in pp collisions at 2.76 TeV”**  
S. Acharya *et al.* [ALICE Collaboration].  
arXiv:1702.00917 [hep-ex]  
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INSPIRE-HEP entry  
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61. **“Production of muons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
S. Acharya *et al.* [ALICE Collaboration].  
arXiv:1702.01479 [nucl-ex]

- DOI:10.1016/j.physletb.2017.03.049  
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11 citations counted in INSPIRE as of 21 Mar 2019
62. **“Azimuthally differential pion femtoscopy in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV”**  
D. Adamova *et al.* [ALICE Collaboration].  
arXiv:1702.01612 [nucl-ex]  
DOI:10.1103/PhysRevLett.118.222301  
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63. **“Flow dominance and factorization of transverse momentum correlations in Pb-Pb collisions at the LHC”**  
J. Adam *et al.* [ALICE Collaboration].  
arXiv:1702.02665 [nucl-ex]  
DOI:10.1103/PhysRevLett.118.162302  
Phys. Rev. Lett. **118**, no. 16, 162302 (2017)  
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INSPIRE-HEP entry  
5 citations counted in INSPIRE as of 21 Mar 2019
64. **“ $J/\psi$  production as a function of charged-particle pseudorapidity density in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV”**  
D. Adamov *et al.* [ALICE Collaboration].  
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Phys. Lett. B **776**, 91 (2018)  
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INSPIRE-HEP entry  
11 citations counted in INSPIRE as of 21 Mar 2019
65. **“Charmonium production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV and  $\sqrt{s_{NN}} = 5.02$  TeV measured with ALICE at the LHC”**  
B. Audurier [ALICE Collaboration].  
DOI:10.1088/1742-6596/832/1/012027  
J. Phys. Conf. Ser. **832**, no. 1, 012027 (2017).  
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66. **“Production of open charm and beauty states in p-Pb collisions with LHCb”**  
B. Audurier [LHCb Collaboration].  
PoS(ICHEP2018)093  
Accepted for publication.
67. **“Simulating fix-target and heavy-ion collisions in LHCb”**  
B. Audurier [LHCb Collaboration].  
PoS(ICHEP2018)270  
Accepted for publication.

## Conferences and workshops

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Conferences	<p><b>ICHEP 2018 - 4-11 Jul. - Seoul, KR</b> – international conference</p> <ul style="list-style-type: none"> <li>– talk in parallel session : <i>Production of open charm and beauty states in p-Pb collisions with LHCb</i></li> <li>– talk in parallel session : <i>Simulating fixed-target and heavy-ion collisions in LHCb</i></li> </ul> <p><b>Rencontres de Blois 2018 - 3-8 June - Blois, FR</b> – international conference</p> <ul style="list-style-type: none"> <li>– talk in parallel session : <i>Hard probes with p-Pb and Pb-Pb collisions and fixed target results at LHCb</i></li> </ul> <p><b>Quark Matter 2018 - 13-19 May - Venice, IT</b> – international conference</p> <ul style="list-style-type: none"> <li>– Scientific secretary for two sessions.</li> </ul> <p><b>Quark Matter 2017- 5-11 Feb. - Chicago, USA</b> – international conference</p> <ul style="list-style-type: none"> <li>– poster : <i>J/ψ production in pp collisions at <math>\sqrt{s} = 5.02</math> TeV measured at forward rapidity with ALICE at the LHC</i></li> </ul> <p><b>Hot Quark 2016 - 12-17 Sept. - South Padre Island, USA</b> – international conference</p> <ul style="list-style-type: none"> <li>– talk in plenary session : <i>Charmonium production in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV and <math>\sqrt{s_{NN}} = 5.02</math> TeV measured with ALICE at the LHC</i></li> </ul>
Workshops	<p><b>GDR QCD Workshop 2016 - Jul. 1-4 - Orsay, FR</b> :</p> <ul style="list-style-type: none"> <li>– invited talk : <i>LHCb perspectives in heavy-ion collisions</i></li> </ul> <p><b>France-Japan FJPPL Workshop 2017 - 10-12 May - Strasbourg, FR</b> :</p> <ul style="list-style-type: none"> <li>– invited talk : <i>Latest quarkonia results in pp, p-Pb and Pb-Pb collisions with ALICE at the LHC</i></li> </ul> <p><b>GDR QCD Workshop 2016 - Nov. 8-10 - Orsay, FR</b> :</p> <ul style="list-style-type: none"> <li>– invited talk : <i>J/ψ production in pp and Pb-Pb collisions measured by ALICE at LHC</i></li> </ul> <p><b>QGP France 2016 - Oct. 10-15 - Étretat, FR</b> :</p> <ul style="list-style-type: none"> <li>– invited talk : <i>J/ψ Production in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV measured at forward rapidity with ALICE at the LHC</i></li> </ul> <p><b>QGP France 2015 - Oct. 12-15 - Étretat, FR</b> :</p> <ul style="list-style-type: none"> <li>– invited talk : <i>Inclusive J/ψ production in PbPb collisions with the ALICE muon spectrometer and efficiency studies of the muon tracking chambers</i></li> </ul>

## Teaching activities and outreach

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Courses for third-cycle university student	<p><b>Spring 2018 and 2019</b> : Ten hour long courses given at the Cagliari University for third-cycle university student on high-energy heavy-ion collisions, covering a general introduction to QCD, heavy-ion collisions phenomenology, experimental measurements and associated theory models. These courses were given both in English and Italian.</p>
UNICA open days	<p><b>Spring 2018</b> : Poster presentation for first-cycle university student at the Cagliari university Open-days.</p>
LHC outreach	<p><b>Spring 2016-2017-2018-2019</b> : Participation to the LHC Master Class for high-school student, both with ALICE (2016-2017 for the SUBATECH laboratory) and LHCb (2018-2019 for the Cagliari university).</p>
Pint of science	<p><b>Spring 2016</b> : Participation to the <i>Pint of science</i> festival at Nantes. Vulgarisation talk given on special relativity.</p>
High-school talks	<p><b>Spring 2015-2016 / Winter 2018</b> : Three talks given in 2015, 2016 and 2018 at Cordouan high-school (Royan, France) on atomic physics and LHC physics.</p>