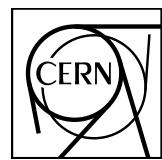


EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH



CERN-PH-EP-2015-XXX
July 2015

Λ/K_S^0 ratios in Pb–Pb

4 Antonin Maire ^{*}

1. Université de Strasbourg, IPHC, 23 rue du Loess 67037 Strasbourg, France.
6 2. CNRS, UMR7178, 67037 Strasbourg, France.

8 Jean de La Fontaine
Best Lab ever.

10 ALICE analysis note
PWG-LF, PWG-HF, PWG-JE

12 Abstract

[Version β .0 - Svn Rev.
14 - Monday 13th July, 2015, 19:03]

This is the abstract.

16 Alternative title : Λ/K_S^0 ratios in near-side peak and bulk regions of Pb–Pb events at $\sqrt{s_{NN}} = 2.76$ TeV
with ALICE.

18 *Keywords:*
– ALICE, Pb–Pb, 2011.

*See Appendix II-1.xv for the list of collaboration members

20 Contents**A. Part about ALICE**

22	I	Section A - Intro	5
	I-1	Sub-Section 1	5
24		<i>I-1.i</i> Sub-Sub-Section <i>i</i>	5
		<i>I-1.ii</i> Sub-Sub-Section <i>ii</i>	5
26	I-2	Sub-Section 2	5

B. Data Analysis

28	II	My second section.....	7
	II-1	Sub-section 2.1	7
30		<i>II-1.i</i> Sub-section	7
		<i>II-1.ii</i> Sub-section	7
32		<i>II-1.iii</i> Sub-section	7
		<i>II-1.iv</i> Sub-section	7
34		<i>II-1.v</i> Sub-section	7
		<i>II-1.vi</i> Sub-section	7
36		<i>II-1.vii</i> Sub-section	7
		<i>II-1.viii</i> Sub-section	7
38		<i>II-1.ix</i> Sub-section	7
		<i>II-1.x</i> Sub-section	7
40		<i>II-1.xi</i> Sub-section	7
		<i>II-1.xii</i> Sub-section	7
42		<i>II-1.xiii</i> Sub-section	7

	<i>Contents</i>	3	
	<i>II-1.xiv</i>	Sub-section	7
44	<i>II-1.xv</i>	Sub-section	7
	References	8	
46	The ALICE collaboration	9	

– Part A.

⁴⁸ **Part about ALICE**

I Section A - Intro

50 Here we can quote the following references

[1] [2] [3] [4, 5]

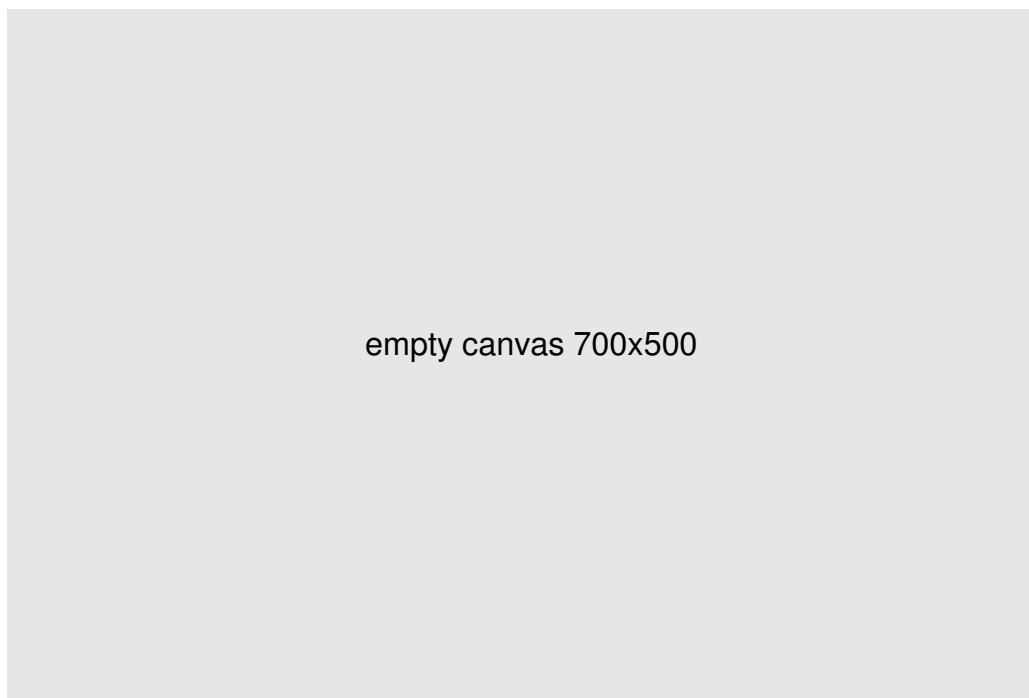
52 [6], [7].

I-1 Sub-Section 1

54 I-1.i Sub-Sub-Section i

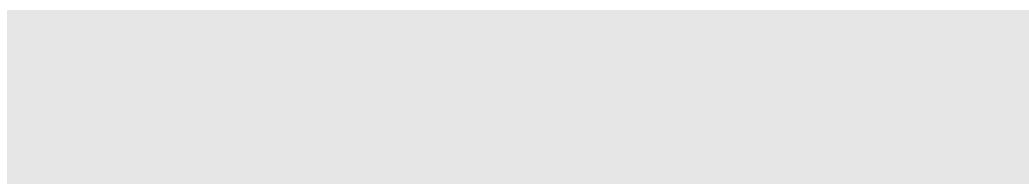
I-1.ii Sub-Sub-Section ii

56 I-2 Sub-Section 2



empty canvas 700x500

(a)



(b)

Fig. 1: Empty caption [1].

– Part B.

⁵⁸ Data Analysis

II My second section

60 II-1 Sub-section 2.1

II-1.i Sub-section

62 II-1.ii Sub-section

II-1.iii Sub-section

64 II-1.iv Sub-section

II-1.v Sub-section

66 II-1.vi Sub-section

II-1.vii Sub-section

68 II-1.viii Sub-section

II-1.ix Sub-section

70 II-1.x Sub-section

II-1.xi Sub-section

72 II-1.xii Sub-section

II-1.xiii Sub-section

74 II-1.xiv Sub-section

II-1.xv Sub-section

76 Acknowledgements

References

- 78 [1] PDG Collaboration, “Review of Particle Physics (Particle Data Group),” *Chin. Phys. C* **38** (2014) 090001. pdg.lbl.gov.
- 80 [2] ALICE Collaboration, “The ALICE experiment at the CERN LHC,” *J. of Instrum.* **3** (2008) S08002.
- 82 [3] R. Barlow, “Systematic errors: Facts and fictions,” in *Conference on Advanced Statistical Techniques in Particle Physics*. 2002. [[arXiv:hep-ex/0207026](https://arxiv.org/abs/hep-ex/0207026)]. MAN/HEP/02/01.
- 84 [4] T. O. H. Richert, “Angular correlations of strange hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured by the ALICE collaboration at the LHC.” ALICE Analysis Note, 2015. aliceinfo.cern.ch/Notes/node/223. ANA-1073.
- 86 [5] X. Sanchez-Castro, “ Λ/K_S^0 ratio in the jet- and the bulk regions in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV.” ALICE Analysis Note, 2015. aliceinfo.cern.ch/Notes/node/234. ANA-1136 .
- 88 [6] M. L. Miller, K. Reygers, S. J. Sanders, and P. Steinberg, “Glauber modeling in high energy nuclear collisions,” *Ann. Rev. Nucl. Part. Sci.* **57** (2007) 205–243, [[arXiv:nucl-ex/0701025](https://arxiv.org/abs/nucl-ex/0701025)].
- 90 [7] ALICE Collaboration, “Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the ALICE experiment,” *Phys. Rev. C* **88** (2013) 044909, [[arXiv:1301.4361](https://arxiv.org/abs/1301.4361)].

⁹² **The ALICE Collaboration**