

Elias Lopez Asamar

List of Publications by Year in descending order

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Version: 2024-02-01

146
papers

9,090
citations

30070

54
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43889

91
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147
all docs

147
docs citations

147
times ranked

7481
citing authors

#	ARTICLE	IF	CITATIONS
1	Production rate measurement of Tritium and other cosmogenic isotopes in Germanium with CDMSlite. <i>Astroparticle Physics</i> , 2019, 104, 1-12.	4.3	17
2	Results from the Super Cryogenic Dark Matter Search Experiment at Soudan. <i>Physical Review Letters</i> , 2018, 120, 061802.	7.8	92
3	Low-mass dark matter search with CDMSlite. <i>Physical Review D</i> , 2018, 97, .	4.7	142
4	Energy loss due to defect formation from ^{206}Pb recoils in SuperCDMS germanium detectors. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	4
5	Nuclear-recoil energy scale in CDMS II silicon dark-matter detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 905, 71-81.	1.6	11
6	First Dark Matter Constraints from a SuperCDMS Single-Charge Sensitive Detector. <i>Physical Review Letters</i> , 2018, 121, 051301.	7.8	183
7	Projected sensitivity of the SuperCDMS SNOLAB experiment. <i>Physical Review D</i> , 2017, 95, .	4.7	191
8	Low-threshold WIMP search at SuperCDMS. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 395-398.	0.5	2
9	New Results from the Search for Low-Mass Weakly Interacting Massive Particles with the CDMS Low Ionization Threshold Experiment. <i>Physical Review Letters</i> , 2016, 116, 071301.	7.8	275
10	Dark matter effective field theory scattering in direct detection experiments. <i>Physical Review D</i> , 2015, 91, .	4.7	40
11	Improved WIMP-search reach of the CDMS II germanium data. <i>Physical Review D</i> , 2015, 92, .	4.7	59
12	First Direct Limits on Lightly Ionizing Particles with Electric Charge Less than $e/6$. <i>Physical Review Letters</i> , 2015, 114, 111302.	7.8	20
13	Maximum likelihood analysis of low energy CDMS II germanium data. <i>Physical Review D</i> , 2015, 91, .	4.7	10
14	Search for Low-Mass Weakly Interacting Massive Particles Using Voltage-Assisted Calorimetric Ionization Detection in the SuperCDMS Experiment. <i>Physical Review Letters</i> , 2014, 112, 041302.	7.8	221
15	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	34
16	Search for Low-Mass Weakly Interacting Massive Particles with SuperCDMS. <i>Physical Review Letters</i> , 2014, 112, 241302.	7.8	440
17	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \pi^+$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	103
18	Search for CP violation in $D \rightarrow \bar{c} \ell^+ \ell^-$ and $D_s^+ \rightarrow K_S^0 \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	14

#	ARTICLE	IF	CITATIONS
19	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	4.7	65
20	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	65
21	Measurement of the $B^0 \rightarrow K^* \ell^+ \ell^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
22	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
23	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	4.7	89
24	Measurement of CP observables in $B^0 \rightarrow DK^* \ell^+ \ell^-$ with $D^* \rightarrow K^* K^0$. Journal of High Energy Physics, 2013, 2013, 4.7	4.7	6
25	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
26	Differential branching fraction and angular analysis of the $B \rightarrow K^* K^* \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2013, 2013, 1.	4.7	72
27	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \phi$. Journal of High Energy Physics, 2013, 2013, .	4.7	13
28	Measurement of J/ψ production in pp collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
29	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2421.	3.9	25
30	Measurements of the branching fractions of $B^+ \rightarrow p \bar{p} K^+$ decays. European Physical Journal C, 2013, 73, 2462.	3.9	24
31	Search for $B^+ \rightarrow D^+ \phi$ decay. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
32	Measurement of the time-dependent CP asymmetry in $B^+ \rightarrow D^+ \phi$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	4.7	13
33	First observation of the decay $B_c^+ \rightarrow \ell^+ \psi(K^*)$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	41
34	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	111
35	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
36	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	3.9	137

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37	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2631.	3.9	117
38	First observation of the decay $B_s^0 \rightarrow \phi \overline{K}^{*0}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	9
39	First Evidence for the Decay $B \rightarrow \psi(3710) \rho^0$. Physical Review Letters, 2013, 110, 021801.	7.8	292
40	First Observation of $B \rightarrow \psi(3710) \rho^0$ Violation in the Decays of $B \rightarrow \psi(3710) \rho^0$. Physical Review Letters, 2013, 110, 221601.	7.8	105
41	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{ TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
42	Measurement of the ratio of branching fractions $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$. Journal of High Energy Physics, 2013, 2013, 1.	2.5	48
43	Prompt charm production in pp collisions at $\sqrt{s}=7, \text{ TeV}$. Nuclear Physics B, 2013, 871, 1-20.	2.5	228
44	Observation of the suppressed ADS modes $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 44-53.	4.1	15
45	Measurement of the CKM angle β from a combination of $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 411-420.	4.1	15
46	Search for "direct" CP violation in $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	4.1	54
47	Search for the rare decay $B \rightarrow \psi(3710) \rho^0$ and measurement of the relative branching fractions of $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	4.1	33
48	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33
49	Observation of $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$. Oscillations and CP Violation in the Quark Sector. Springer, 2013, 1-10.	7.8	65
50	Observations of $B \rightarrow \psi(3710) \rho^0$ and $B \rightarrow \psi(3710) \omega$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 411-420.	2.5	24
51	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33
52	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33
53	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33
54	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33

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55	Measurement of the D^0 production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2013, 710, 699-699.	4.1	18
56	Precision measurement of the $B^0 \rightarrow s^* \ell^+ \ell^-$ oscillation frequency with the decay $B^0 \rightarrow s^* \ell^+ \ell^-$. New Journal of Physics, 2013, 15, 053021.	2.9	59
57	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	3.6	104
58	Publisher's Note: Silicon detector results from the first five-tower run of CDMS II [Phys. Rev. D 88, 031104(R) (2013)]. Physical Review D, 2013, 88, .	4.7	4
59	Measurement of C violation and the B^0 decay width difference with $B^0 \rightarrow s^* \ell^+ \ell^-$. Physical Review D, 2013, 87, .	4.7	74
60	First observations of $B^0 \rightarrow D^+ D^-$, $D_s^+ D_s^-$ and $D^0 D^0$ decays. Physical Review D, 2013, 87, .	4.7	22
61	Measurement of the $B^0 \rightarrow \ell^+ \ell^-$ decay. Physical Review D, 2013, 87, .	7.8	82
62	First Measurement of the $B^0 \rightarrow C^+ P^-$ -Violating Phase in $B^0 \rightarrow C^+ P^-$. Physical Review D, 2013, 87, .	7.8	19
63	Determination of the $B^0 \rightarrow X^+ \ell^+ \ell^-$ decay. Physical Review D, 2013, 87, .	4.7	11
64	Measurement of the branching fractions of the decays $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^-$. Physical Review D, 2013, 87, .	4.7	19
65	Analysis of the resonant components in $B^0 \rightarrow \ell^+ \ell^-$. Physical Review D, 2013, 87, .	4.7	11
66	Search for the decay $B^0 \rightarrow D^+ K^-$. Physical Review D, 2013, 87, .	4.7	7
67	Measurement of the polarization amplitudes in $B^0 \rightarrow \ell^+ \ell^-$. Physical Review D, 2013, 87, .	4.7	11
68	Observation of the decay $B^0 \rightarrow c^* \ell^+ \ell^-$. Physical Review D, 2013, 87, .	4.7	32
69	Measurement of the $B^0 \rightarrow s^* \ell^+ \ell^-$ decay. Physical Review D, 2013, 87, .	4.7	55
70	Study of $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^-$ decays. Physical Review D, 2013, 87, .	4.7	11
71	Measurement of the C Asymmetry in B^0 . Physical Review D, 2013, 87, .	7.8	22
72	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow s^* \ell^+ \ell^-$. Physical Review D, 2013, 87, .	4.7	36

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73	<p>First Observation of the Decay $B \rightarrow K^* \bar{D}_s^* \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 151803.</p> <p>Demonstration of surface electron rejection with interleaved germanium detectors for dark matter searches. Applied Physics Letters, 2013, 103, .</p>	7.8	51
74	<p>Silicon Detector Dark Matter Results from the Final Exposure of CDMS II. Physical Review Letters, 2013, 111, 251301.</p> <p>Search for Rare $B \rightarrow K^* \bar{D}_s^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 251802.</p>	7.8	410
75	<p>First Observation of the Decay $B \rightarrow K^* \bar{D}_s^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 251802.</p>	7.8	21
76	<p>Differential Branching Fraction and Angular Analysis of the Decay $B \rightarrow K^* \bar{D}_s^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 181806.</p> <p>Measurement of the Lifetime in the $B \rightarrow K^* \bar{D}_s^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 251802.</p>	7.8	50
77	<p>Lifetime in the $B \rightarrow K^* \bar{D}_s^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 251802.</p>		
78			
79			

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91	Observation of $B \rightarrow D K^0$ and Evidence for $B \rightarrow D K^0$ Final States. Physical Review Letters, 2012, 109, 131801.	7.8	27
92	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow K^0$ and Decay Rates [Phys. Rev. Lett. 108, 111602 (2012)]. Physical Review Letters, 2012, 108, .	7.8	6
93	Observation of $B \rightarrow D K^0$ Final States. Physical Review Letters, 2012, 108, 151801.	7.8	21
94	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	1.2	41
95	Time alignment of the front end electronics of the LHCb calorimeters. Journal of Instrumentation, 2012, 7, P08020-P08020.	1.2	4
96	Measurement of the $B \rightarrow D K^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	22
97	Measurements of the branching fractions of the decays $B \rightarrow D K^0$ and $B \rightarrow D K^0$. Journal of High Energy Physics, 2012, 2012, .	4.7	19
98	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	103
99	Measurement of the isospin asymmetry in $B \rightarrow D K^0$ decays. Journal of High Energy Physics, 2012, 2012, 165		
100	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	4.7	56
101	Study of $D \rightarrow K^0$ decays to $D^+ K^-$ and $D^0 K^+$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	4.7	29
102	Measurement of the fraction of $B \rightarrow D K^0$ originating from $B \rightarrow D K^0$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
103	First observation of the decay $B \rightarrow D K^0$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
104	Evidence for $B \rightarrow D K^0$ Violation in Time-Integrated $D^0 \rightarrow K^0$ Rates. Physical Review Letters, 2012, 108, 111602.	7.8	181
105	Measurements of the branching fractions and CP asymmetries of $B \rightarrow D K^0$ and $B \rightarrow D K^0$ decays. Physical Review D, 2012, 85, .	4.7	20
106	First Evidence of Direct $B \rightarrow D K^0$ Violation in Charmless Two-Body Decays of $B \rightarrow D K^0$. Physical Review Letters, 2012, 108, 261601.	7.8	49
107	Measurement of the branching fraction of $B \rightarrow D K^0$. Physical Review Letters, 2012, 108, 261601.		

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109	Measurement of b hadron production fractions in 7 TeV collisions. Physical Review D, $\text{vol. 74, no. 11, pp. 112001-112001}$	4.7	116
110	Measurement of the Λ polarization amplitudes and triple product asymmetries in the $\Lambda \rightarrow p\pi^0$ decays. Physical Review D, $\text{vol. 74, no. 11, pp. 112002-112002}$	4.1	13
111	Measurement of the polarization amplitudes and triple product asymmetries in the $\Lambda \rightarrow p\pi^0$ decays. Physical Review D, $\text{vol. 74, no. 11, pp. 112003-112003}$	4.1	34
112	Measurement of the polarization amplitudes and triple product asymmetries in the $\Lambda \rightarrow p\pi^0$ decays. Physical Review D, $\text{vol. 74, no. 11, pp. 112004-112004}$	4.1	14
113	Measurement of the cross section ratio $\sigma(\Lambda \rightarrow p\pi^0)/\sigma(\Lambda \rightarrow n\pi^0)$ in Λ decays. Physical Review D, $\text{vol. 74, no. 11, pp. 112005-112005}$	4.1	33
114	Measurement of the cross section ratio $\sigma(\Lambda \rightarrow p\pi^0)/\sigma(\Lambda \rightarrow n\pi^0)$ in Λ decays. Physical Review D, $\text{vol. 74, no. 11, pp. 112006-112006}$		

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127	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248. First observation of the decay $\Lambda_b^0 \rightarrow \Lambda^0 \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	4.1	58
128	Measurement of the inclusive Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.1	27
129	Measurement of the inclusive Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.1	47
130	Measurement of the inclusive Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.1	47
131	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	3.9	30
132	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	153
133	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	3.9	58
134	Measurement of Λ_b^0 production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025.	3.9	106
135	Search for Λ_b^0 production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.7	20
136	Measurement of the inclusive Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.1	20
137	Measurement of the inclusive Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.1	15
138	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	238
139	Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1. First observation of $\Lambda_b^0 \rightarrow \Lambda^0 \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 115-122.	4.7	18
140	Measurement of the inclusive Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.1	29
141	Search for the rare decays $\Lambda_b^0 \rightarrow \Lambda^0 \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 115-122.	4.1	60
142	Determination of Λ_b^0 production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	4.1	60
143	Determination of Λ_b^0 production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	4.1	60
144	Collisions and Measurement of the Λ_b^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 21.	7.8	28

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145	<p>Production of K^0 and \bar{K}^0 in pp collisions at $\sqrt{s} = 0.9$ TeV</p> <p>Measurement of Λ and $\bar{\Lambda}$ production in pp collisions at $\sqrt{s} = 0.9$ TeV</p>	4.1	26
146	<p>Measurement of Λ and $\bar{\Lambda}$ production in pp collisions at $\sqrt{s} = 0.9$ TeV</p> <p>Measurement of Λ and $\bar{\Lambda}$ production in pp collisions at $\sqrt{s} = 0.9$ TeV</p>	4.1	115