CPPM, Case 902 163, avenue de L 13288 Marseille	-	Adam Morris	+44 7719 773067 +33 652 61 29 16 adam.morris@cern.ch
Employment			
Postdoctoral resc CNRS and Aix-M	earcher arseille University		Dec 2017 – Feb 2020
Postdoctoral reso University of Edi			Aug 2017 — Nov 2017
Education			
PhD in experimental particle physics Sep 2013 — Sep University of Edinburgh			Sep 2013 — Sep 2017
Thesis title Supervisors	Measurements of charmle Matthew Needham and	ess B_s meson decays at LHCb Franz Muheim	
MSci in physics University of Bird	mingham		Oct 2009 – Jul 2013
Thesis title Supervisors	A possible lepton flavour Cristina Lazzeroni and E		
Contributions to physics analysis			
	$R(D^*)$ using hadronic $ au$ dons to all parts of the anal	ecays ysis as one of two full-time proponents	2017 — 2020
Amplitude analysis of $\Lambda_b o \chi_{c\{1,2\}} p K^-$ decays Development of the amplitude fitter within the TensorFlowAnalysis framework.			2017
Amplitude analysis of $B^0_s o\phi K^+K^-$ decays Primary thesis work and sole full-time proponent.		2015 — 2017	
Measurement of the $B^0_s o\phi\phi$ branching fraction and search for $B^0 o\phi\phi$ Thesis work and sole full-time proponent.		2014 – 2015	
Measurement of CP violation in $B^0_s o\phi\phi$ decays Fits to the $\phi\phi$ invariant mass.			2013 — 2014
Hardware work			
Ion feedback monitoring Periodic analysis of the level of ion feedback in the HPDs installed in the RICH to predict when they need to be replaced to the repla			2015 - 2016 edict when they need to be replaced.
RICH upgrade testbeam $2014-2016$ Participant in 4 testbeam periods, during which I took data-taking shifts and improved the automation of the data acquisition and processing. I performed the dark count analysis and developed an online alignment tool.			
Performance of MaPMTs in magnetic fields 2013 $-$ 2014 Per-pixel efficiency measurements as a function of magnetic field strength. This work was the basis of the decision to use μ -metal shielding in the RICH upgrade.			
Shifts and res	sponsibilities		
MC production n	nodel manager		2019 —
Filtered MC liais	on		2018 —
Semileptonic WG MC liaison			2018 —
Review Committee member Measurement of the $\eta_c(1S)$ production cross-section at $\sqrt{s}=13~{ m TeV}$			2018 – 2019
L0 piquet shifts (3 weeks)			
LHCb control roo	om shifts (13 $ imes$ shift leader	& 11 $ imes$ data manager)	2015 — 2018
RICH piquet shif	ts (3 weeks)		2015 – 2016

Conferences and workshops

GDR Intensity Frontier Annual Meeting

Sommières, November 2019

Ghent, July 2019

Talk: Lepton flavour universality in $b \rightarrow c$ transitions

European Physical Society Conference on High Energy Physics (EPS-HEP)

Talk: CP violation in multi-body charmless b-hadron decays at LHCb

XIII Franco-Italian Meeting on B Physics Aix-Marseille University, October 2018

Talk: Lepton flavour universality violating B decays in trees

10th International Workshop on the CKM Unitarity Triangle Heidelberg University, September 2018

Talk: Tests of lepton flavour universality using semitauonic B decays at LHCb

PyHEP 2018 Sofia, July 2018

Talk: Using TensorFlow for amplitude fits

Heavy Quarks and Leptons (HQL)

Virginia Tech, May 2016

Talk: Charmless b-meson and b-baryon decays at LHCb

LHCC Poster Session CERN, March 2016

Poster: Measurement of the $B_s o\phi\phi$ branching fraction and angular analysis of $B_s o\phi\pi^+\pi^-$ at LHCb

UK HEP forum: "Anomalies and Deviations" STFC, Abingdon, November 2015

Poster: Measurement of the $B_s o \phi \phi$ branching fraction and search for $B^0 o \phi \phi$ at LHCb

B-physics at frontier machines (Beauty)

University of Edinburgh, July 2014

Poster: Measurement of CP violation in $B^0_s o \phi \phi$ decay

Schools attended

Ecole de Gif Clermont-Ferrand, September 2018

IN2P3 School Of Statistics La Londe Les Maures, May 2018

European School of High-Energy Physics Bansko, September 2015

Young Experimentalists and Theorists Institute (YETI)

Durham University, January 2015

STFC HEP summer school University of Warwick, September 2014

Papers

Characterisation and magnetic field properties of multianode photomultiplier tubes,

S. Eisenhart et al, Nucl. Instrum. Meth. A766 (2014) 167-170

Measurement of CP violation in $B_s^0 o \phi \phi$ decays,

LHCb collaboration, Phys. Rev. **D90**, (2014) 052011

Measurement of the $B^0_s o \phi \phi$ branching fraction and search for the decay $B^0 o \phi \phi$,

LHCb collaboration, JHEP 10 (2015) 053

Test of the photon detection system for the LHCb RICH Upgrade in a charged particle beam,

M. K. Baszscyk et al, JINST 12 (2017) 01012

Oscillations of B_s^0 mesons as a probe of decays with invisible particles,

A. Poluektov and A. Morris, arXiv:1911.12729 [hep-ph], submitted to JHEP

Proceedings

Measurement of CP violation in $B_s^0 \to \phi \phi$ decays,

A. Morris, on behalf of the LHCb collaboration, PoS (Beauty 2014) 064

Charmless b-meson and b-baryon decays at LHCb,

A. Morris, on behalf of the LHCb collaboration, PoS (HQL 2016) 059

Using TensorFlow for amplitude fits,

A. Morris, on behalf of the TensorFlowAnalysis developers, DOI:10.5281/zenodo.1415413

CP violation in multi-body charmless b-hadron decays at LHCb,

A. Morris, on behalf of the LHCb collaboration, PoS (EPS-HEP 2019) 215