

**Erratum: Measurements of charm mixing
and CP violation using $D^0 \rightarrow K^\pm \pi^\mp$ decays
[Phys. Rev. D **95**, 052004 (2017)]**

R. Aaij *et al.**

(LHCb Collaboration)

(Received 3 November 2017; published 29 November 2017)

DOI: [10.1103/PhysRevD.96.099907](https://doi.org/10.1103/PhysRevD.96.099907)

In the original paper Phys. Rev. D 95, 052004 (2017), “Measurements of charm mixing and CP violation using $D^0 \rightarrow K^\pm \pi^\mp$ decays,” the systematic uncertainties reported in Table II regarding the doubly tagged (DT) only result for $(x'^+)^2$ and y'^+ were swapped in both the “no direct CPV ” and “all CPV allowed” fits. All other reported values are correct. The corrected table is shown below in Table II.

TABLE II. Fitted parameters of the DT sample. The first uncertainties include the statistical uncertainty, as well as the peaking backgrounds and the $K\pi$ detection efficiency, and the second are systematic.

Parameter	Value
No CPV	
$R_D[10^{-3}]$	$3.48 \pm 0.10 \pm 0.01$
$x'^2[10^{-4}]$	$0.28 \pm 3.10 \pm 0.11$
$y'[10^{-3}]$	$4.60 \pm 3.70 \pm 0.18$
χ^2/ndf	6.3/7
No direct CPV	
$R_D[10^{-3}]$	$3.48 \pm 0.10 \pm 0.01$
$(x'^+)^2[10^{-4}]$	$1.94 \pm 3.67 \pm 0.98$
$y'^+[10^{-3}]$	$2.79 \pm 4.27 \pm 1.17$
$(x'^-)^2[10^{-4}]$	$-1.53 \pm 4.04 \pm 1.68$
$y'^-[10^{-3}]$	$6.51 \pm 4.38 \pm 1.66$
χ^2/ndf	5.6/5
All CPV allowed	
$R_D^+[10^{-3}]$	$3.38 \pm 0.15 \pm 0.06$
$(x'^+)^2[10^{-4}]$	$-0.19 \pm 4.46 \pm 0.31$
$y'^+[10^{-3}]$	$5.81 \pm 5.25 \pm 0.32$
$R_D^-[10^{-3}]$	$3.60 \pm 0.15 \pm 0.07$
$(x'^-)^2[10^{-4}]$	$0.79 \pm 4.31 \pm 0.38$
$y'^-[10^{-3}]$	$3.32 \pm 5.21 \pm 0.40$
χ^2/ndf	4.5/4

* Authors are listed at the end of the original paper.

Published by the American Physical Society under the terms of the [Creative Commons Attribution 4.0 International license](https://creativecommons.org/licenses/by/4.0/). Further distribution of this work must maintain attribution to the author(s) and the published articles title, journal citation, and DOI.