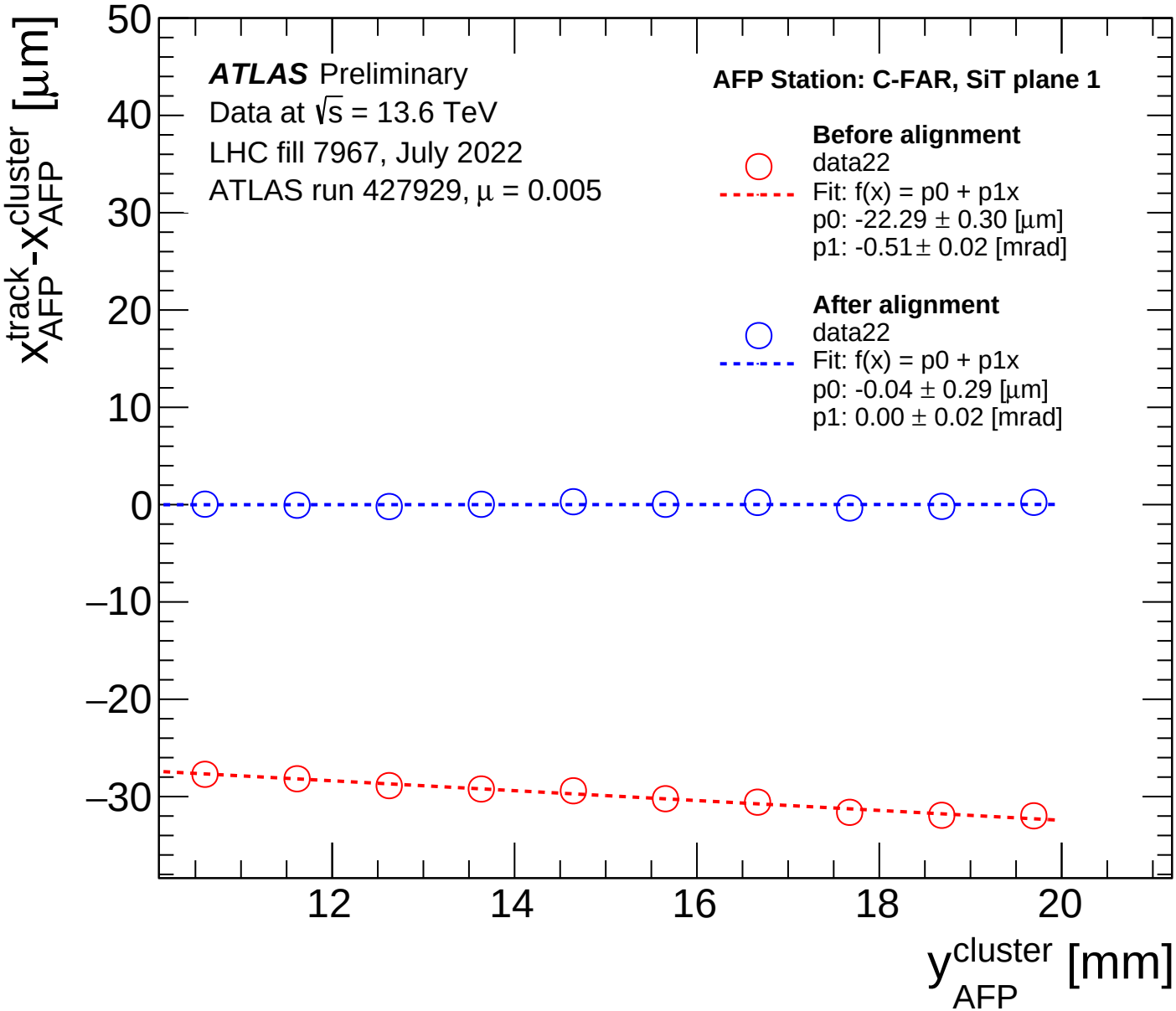
ATLAS Preliminary
Data at √s = 13.6 TeV
LHC fill 7967, July 2022
ATLAS run 427929, μ = 0.005
AFP Station: C-FAR, SiT plane 1
Before alignment
data22
Fit: f(x) = p0 + p1x
p0: -22.29 ± 0.30 [μm]
p1: -0.51 ± 0.02 [mrad]
After alignment
data22
Fit: f(x) = p0 + p1x
p0: -0.04 ± 0.29 [μm]
p1: 0.00 ± 0.02 [mrad]
$x_{AFP}^{track} - x_{AFP}^{cluster}$ [μm]
$y_{AFP}^{cluster}$ [mm]
50
40
30
20
10
0
−10
−20
−30
12
14
16
18
20