

Number of hits

$\times 10^3$

**ATLAS Preliminary**  
IBL Planar sensors  
 $\sqrt{s}=13$  TeV

- $\triangle$  Simulation  
 $\mu=-4$   $\mu\text{m}$   
FWHM/2.35=50  $\mu\text{m}$
- $\square$  March Alignment  
 $\mu=-4$   $\mu\text{m}$   
FWHM/2.35=99  $\mu\text{m}$
- $\bullet$  June Alignment  
 $\mu=0$   $\mu\text{m}$   
FWHM/2.35=79  $\mu\text{m}$

Local y residual [mm]

120

100

80

60

40

20

-0.6

-0.4

-0.2

0

0.2

0.4

0.6