

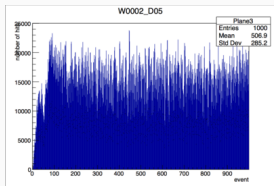
Alignment Tools

Chris Burr, Chris Parkes and Silvia Borghi
University of Manchester

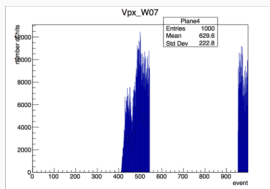
AIDA-2020 WP3 Meeting
September 25, 2017



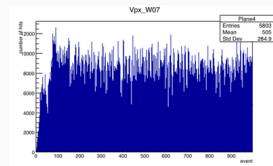
- New telescope using 4(+DuT) planes, all using the new VeloPix ASIC
- Took data at a higher rate
- Have been helping with various bits of debugging
- A few more possible bugs to fix before the data can be aligned



Telescope plane



DuT before



DuT after

- Also had two testbeam periods at CERN
- Supported both period with shifting and by aligning the data

June2017 <small>[View Runs]</small>	
226 (66.47%)	GOOD
0 (0.00%)	OKTEL
34 (10.00%)	OKDUT
29 (8.53%)	LOWCLUSTERS
0 (0.00%)	MISSINGDATA
0 (0.00%)	LOWTRACKS
3 (0.88%)	CALIBFAIL
0 (0.00%)	ALIGNFAIL
0 (0.00%)	BATCHFAIL
16 (4.71%)	BADTEL
12 (3.53%)	BADDUT

- Performed a study investigating the impact of various misalignments
- To be used as an input when decided which module design to use
- Circulated an internal note documenting the study
- This was finished but more questions have been raised

