

DHPT 1.2B Inventory

- 900 chips (equiv. 9 wafer) ordered
- 600 chips tested: ~98.3% yield (590/600)
 - 4 failed chips + 6 dropped (excluded due to possible physical damage)

Location	[Wafer: Chip ID]	Qty.	Comment
Bonn	W01: A03 ... A12	10 (-6)	6 dropped
	W01: B01 ... B12	12	
	W04: F01 ... I04	40 (-3)	2 JTAG no read out 1 current too low
	W05, W06	200 (-1)	1 current too low
		In stock at Bonn: 252	
HLL	W01: A01, A02, C01 ... I04	78	
	W02, W03	200	
	W04: A01 ... E12	60	
		Send to HLL/MPG: 338	
Total		590	

DHPT 1.2B for Spare/Upgrade

Chip availability

- 552 chips in stock at Bonn (252 tested, 300 untested)
- Previous production (pre-series, prototypes, phase II + III) used 338 chips
- Number of tested chips might already be sufficient for PXD 2020
- 300 untested chips as backup. However, Bonn probe station will be heavily used for ATLAS upgrade pixel chip wafer tests in 2019 and 2020.
- Second DHPT probe card setup installed in HLL

Note: There will be no design iteration due to lack of time and resources.