

Nikhef/Bonn LepCol meeting November 19, 2018

## **Simplified overview production**

QUAD	started	Mech.	Wire bonded	DAQ/HV test	Ready	Remarks
10	X	X	X	-		DEMO, not electrically working
11	X	X	X	X	X	~30 um alignment error
12	X	X	X	X		~30 um alignment error
13	X	X	X	X		
14	X	X	X	X/-		May not be used due to flex damage
15	X	X	X	X		
16	X	X	X	X		
17	X	X	X	X		
18	X	X				
19	X	X				
20	X	X				
21	X	X				
22	X	X				
23	X	X				
N: 24	X	X				

## **Production issues**

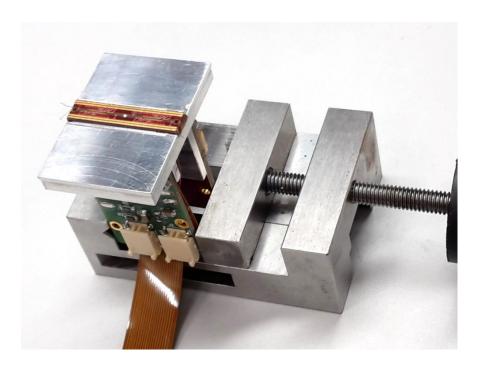
- Sufficient chips to complete the production
- 13 operational QUADs expected
  - QUAD14 may not be used,
- Glass fibre components being produced now
  - Guard electrodes
  - Components testbox
- All HV wires installed





## **Production issues**

- All HV wires installed
- Gas tightness tested for all QUADs
  - Two QUADs still leaking
- Position accuracy not yet measured
  - Expected to be better for later QUADs
  - Quality of the reference edges is critical



## **Testbox**

- All components produced apart from the glass fibre ones
- Gas envelope with glass plates assembled
  - We may later need a second one (without glass) for the testbeam
    - Foil in foil out
- Critical issues:
  - Ordering power boards (done or not done?)
  - Programming concentrator