PXD9 Production

2 new production batches
running time-delayed

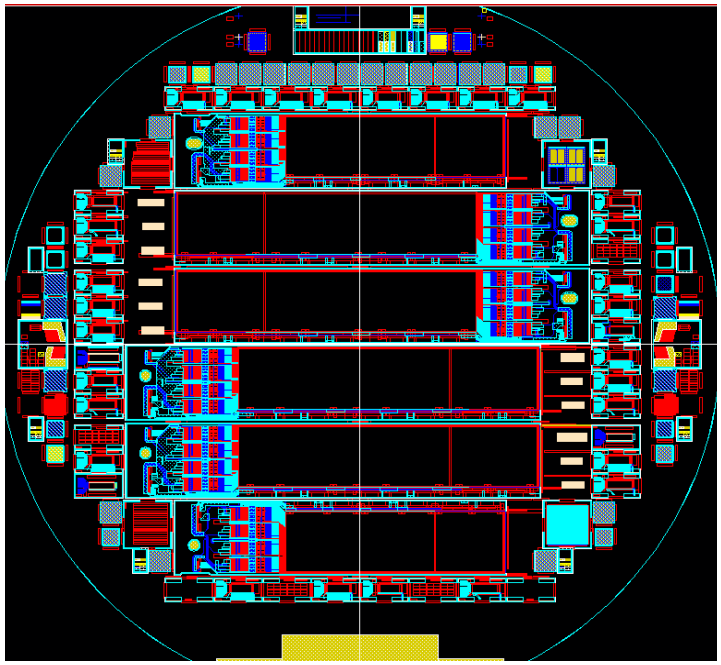
- PXD9-20 – 7 wafers
- PXD9-21 – 12 wafers

Wafers Modules Yield*

- Extrapolation based on previous PXD9 statistics

  * 60% yield for grade A modules > 99% working pixels (pre tests)

19 wafers x 0.6 x

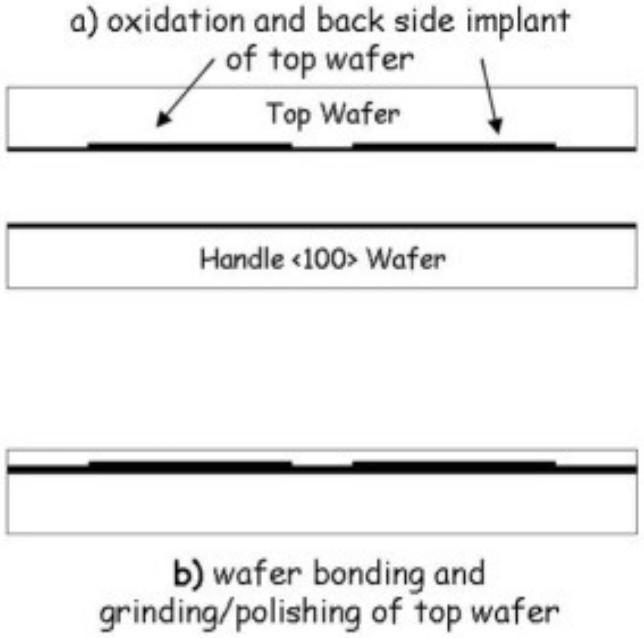


Expected numbers

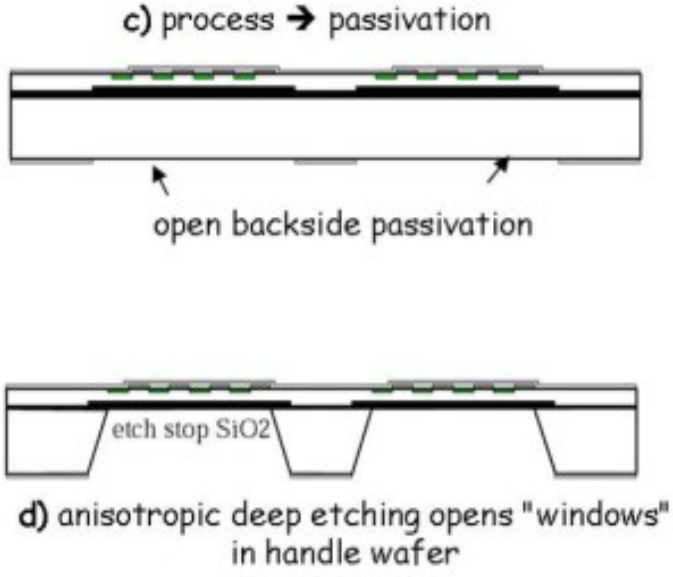
1 IF	→	**11**
1 IB	→	**11**
2 OF	→	**22**
2 OB	→	**22**

Module Production Phases

Phase 0



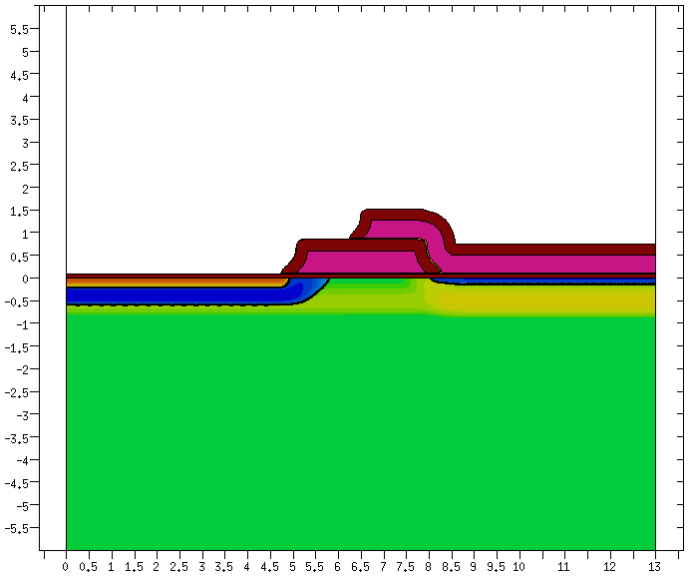
Phase 1: poly gates, implants, first contacts
Phase 2: 2 layer Al metallization, contacts



Phase 3: thinning, Cu process
dicing, final tests

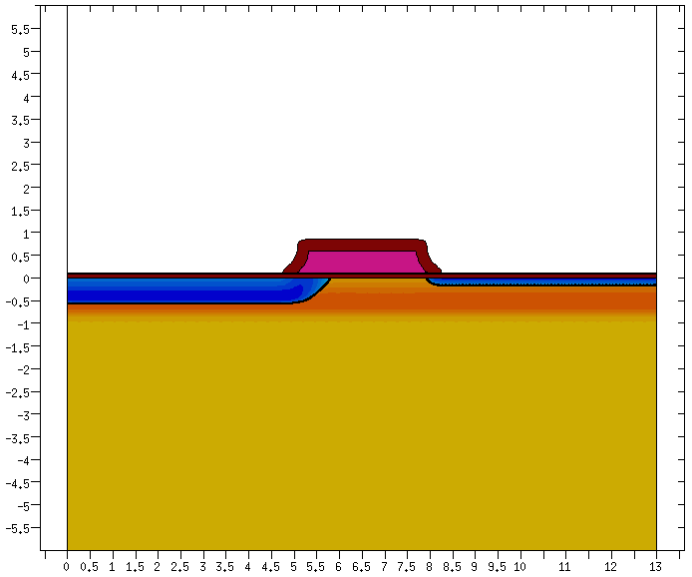
Within Phase 1

PXD9-20



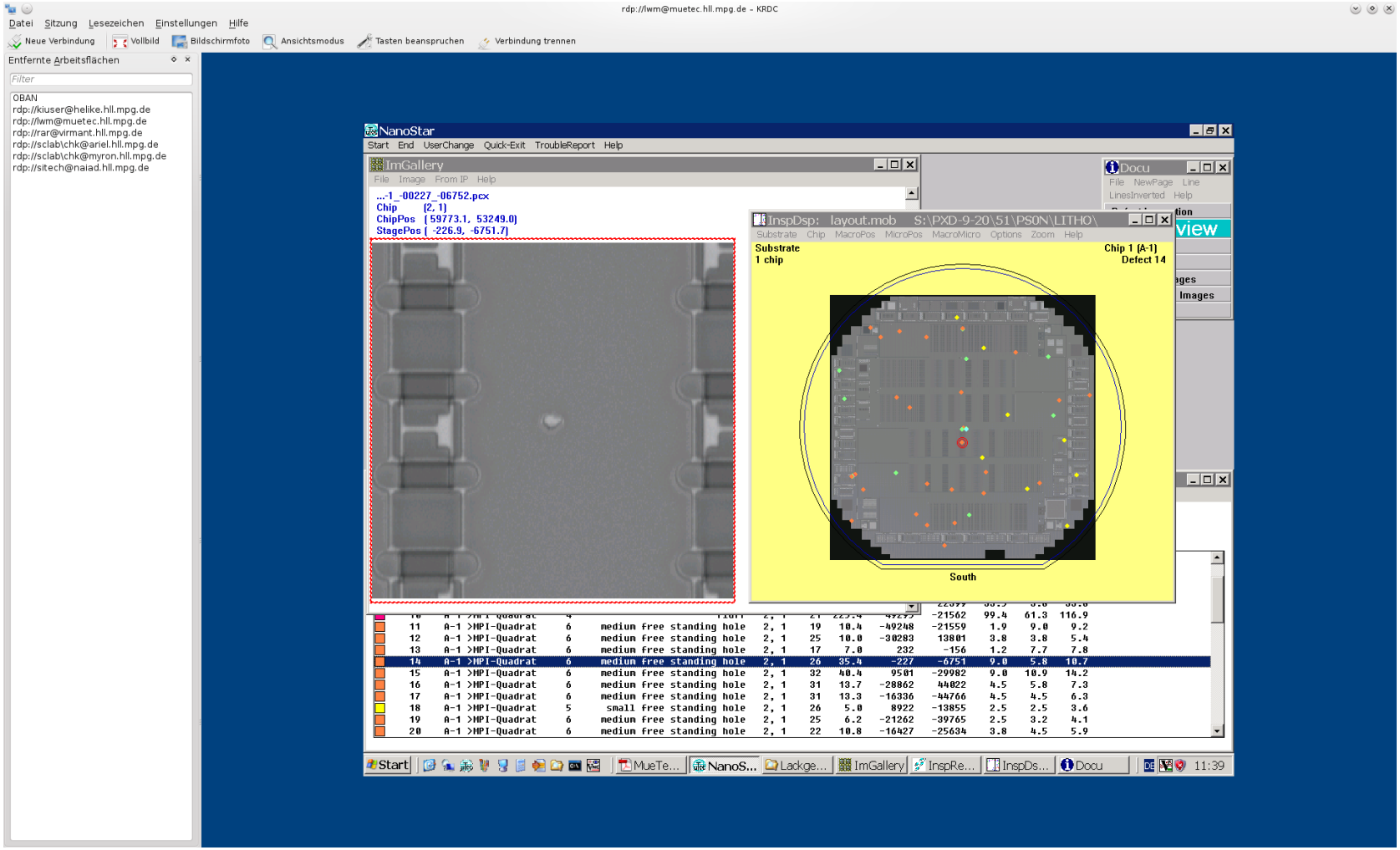
Both poly layers
and all implantations done
→ layer deposition for first contact system

PXD9-21



first poly layer finished
→ clear implantation
(3rd of 6 implantations)

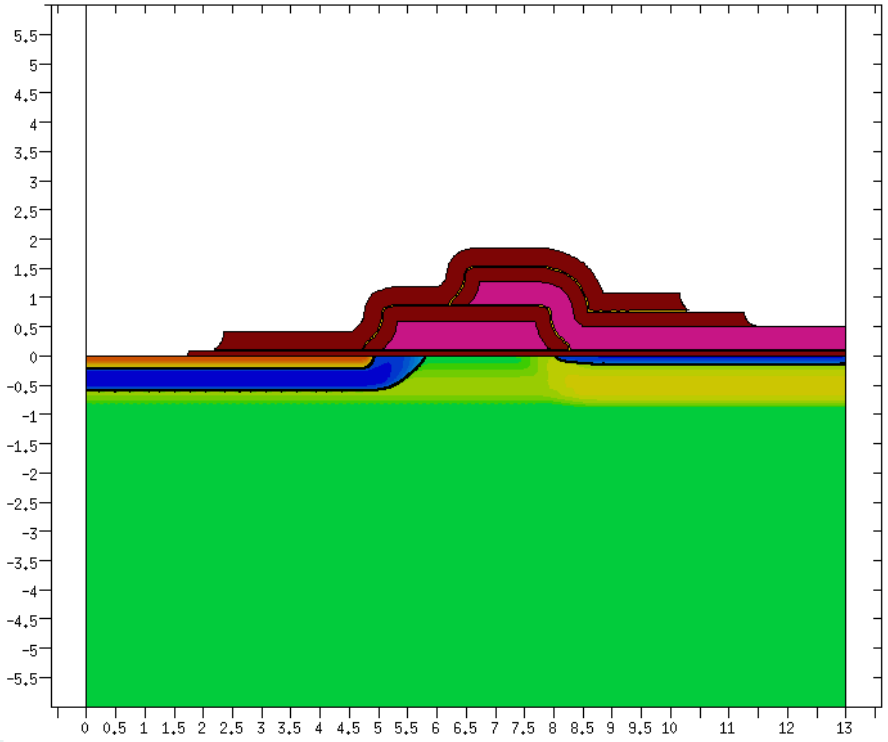
Automized Visual inspections



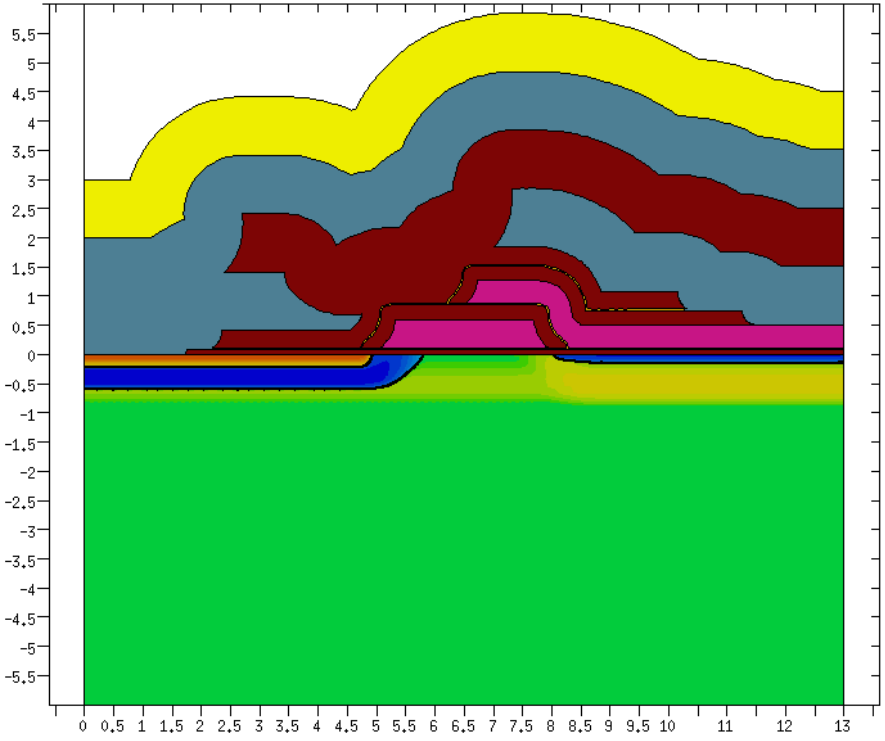
pson – source implantation

Some steps to go

after phase 1



after phase 2



PXD9-20/21 Schedule

- PXD9-20 (7 wafers): Phase 2 will be finished April 2019
  Phase 3: Summer 2019

- PXD9-21 (12 wafers): Phase 2 will be finished
  Summer 2019
  Phase 3: late Autumn 2019