

R&D batches at CiS 2007 / 2008

- p-typ radiation detectors
- n-typ radiation detectors

p-typ radiation detectors

- SDTW05 ↩ wafer design was shown by Dr. Long
 - Pad detectors 2 sizes
 - Micro strip detector test chips 4 types MPI HLL
 - Processing started
 - Technology (options):
 - moderated pspray → arrangement with MPI HLL
 - pstopp
 - epi or p-typ high ohmic bulk

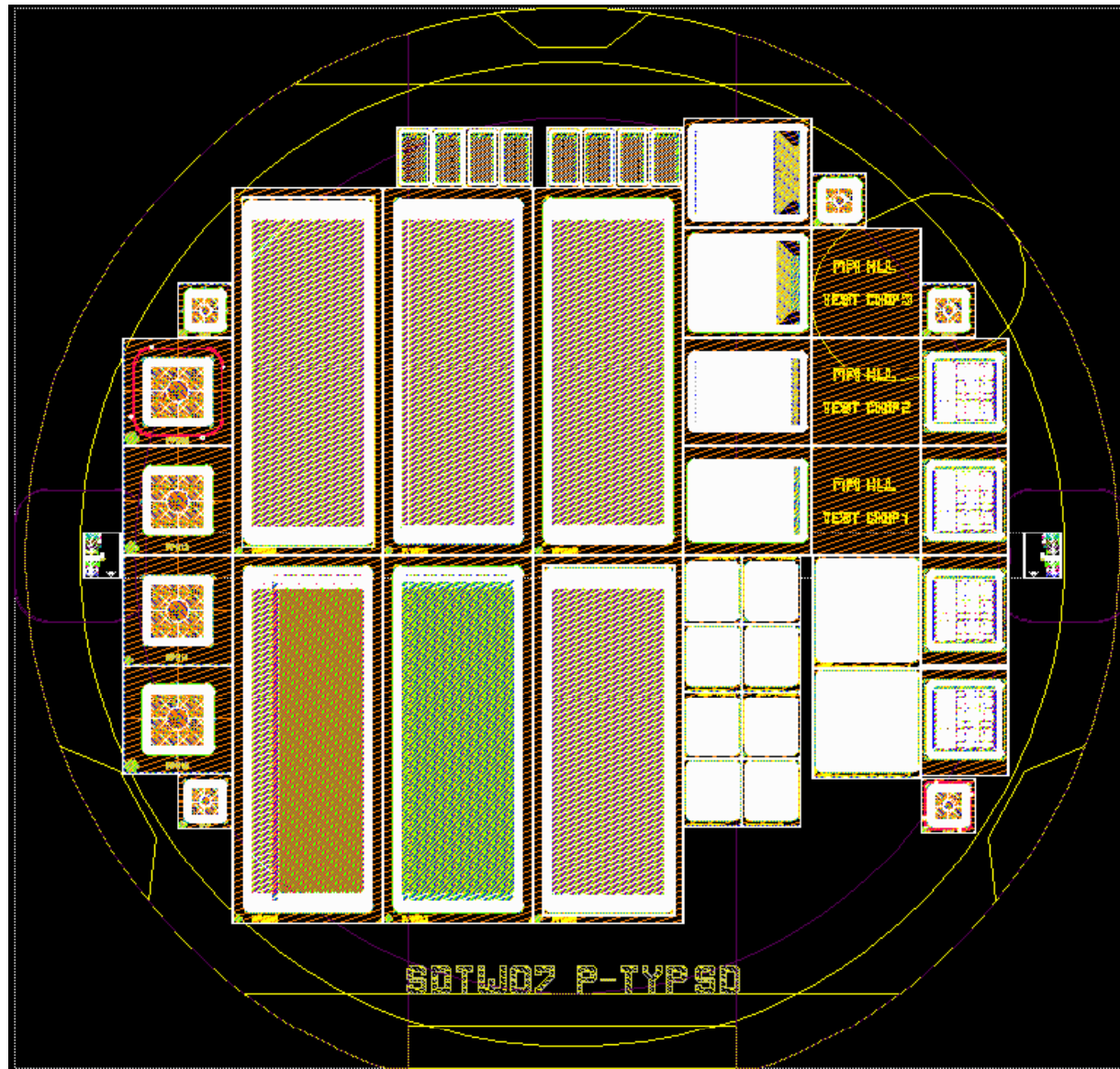
p-typ radiation detectors

- SDTW07
 - **Multi-Project/Customer-Wafer**
 - Micro Strip detectors 3 cm long strip
128 strips, pitch 80 μm
4 types
 - Micro strip detector test chips MPI HLL
4 types
 - 3 Pixel chip fieldes PSI and others
 - Small space for test structures
available for a few days

p-typ radition detectors

- SDTW07
 - Technology (options):
 - designed for p-typ high ohmic bulk
 - also epi available
 - moderated pspray → arrangement with MPI HLL
 - pstop option for a few chips
 - poly-Si resistor load

p-type radiation detectors

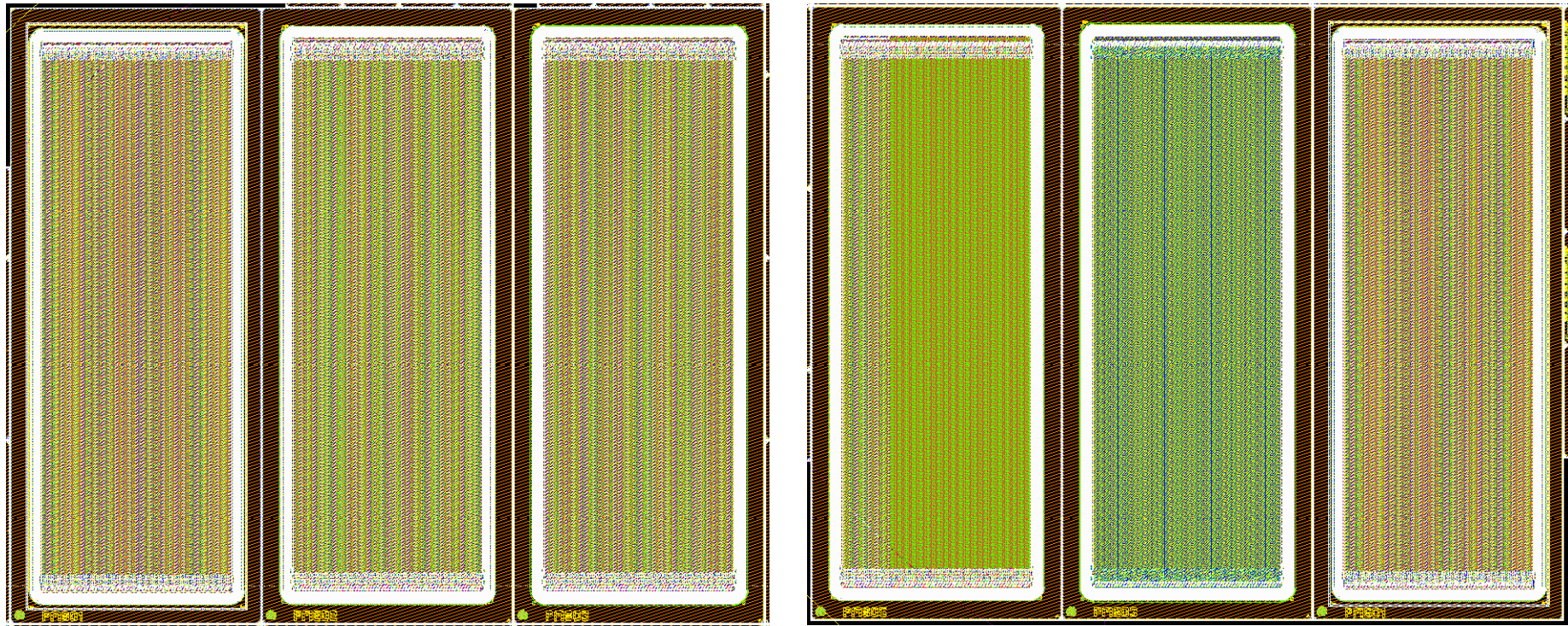


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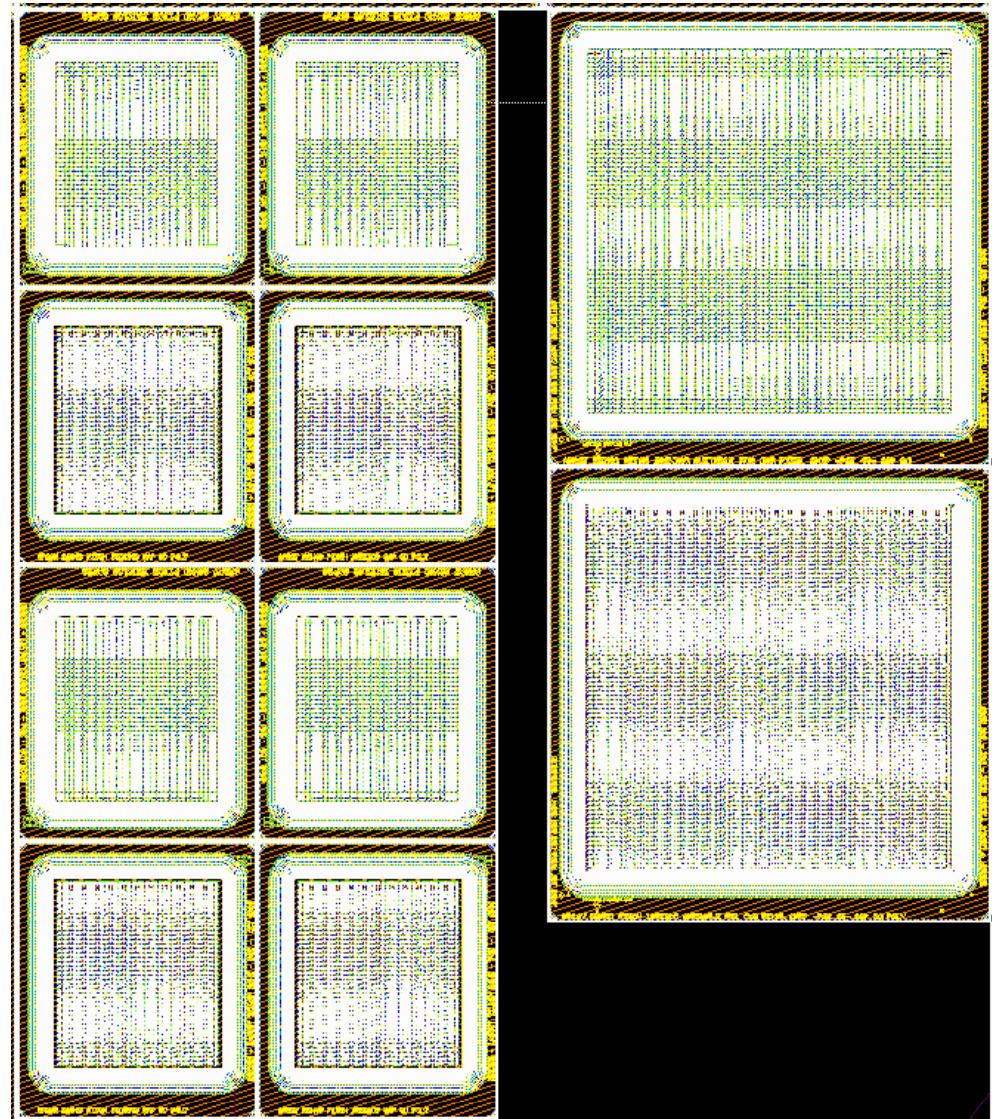
RD50 11th Workshop at CERN
2007

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p-typ radition detectors



p-type radiation detectors



MPW for radiation detectors

- SDTW08
 - **Multi-Project/Customer-Wafer**
 - Technology not fixed: p-typ or n-typ (n in n)
 - will be influenced by customer interests
 - Design and masks in December
 - available also for RD50