

# Strip module things

Control ASIC  
("HCCStar")

ASIC = Application-Specific  
Integrated Circuit (or simply chip)

Readout ASIC  
("ABCStar")

Module

Strip row 0, "under"  
the hybrid electronics

*Hybrid*

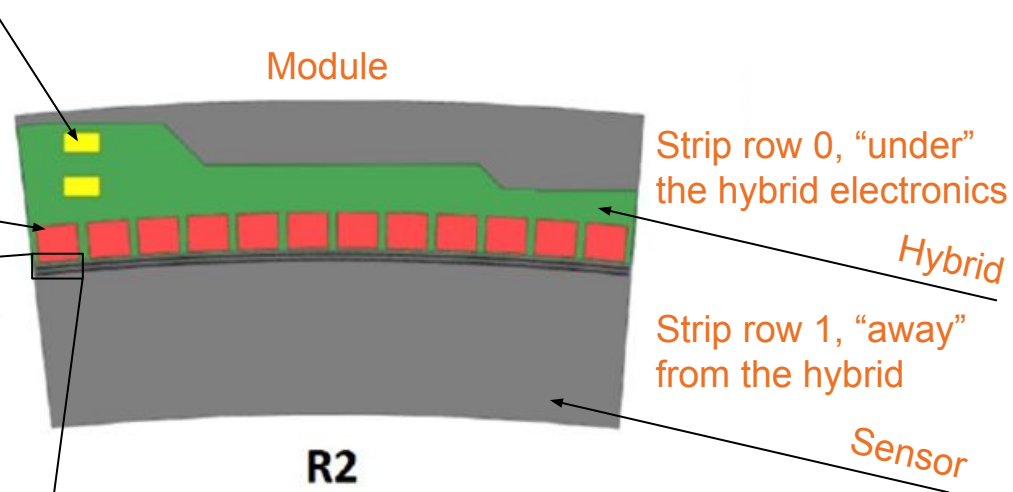
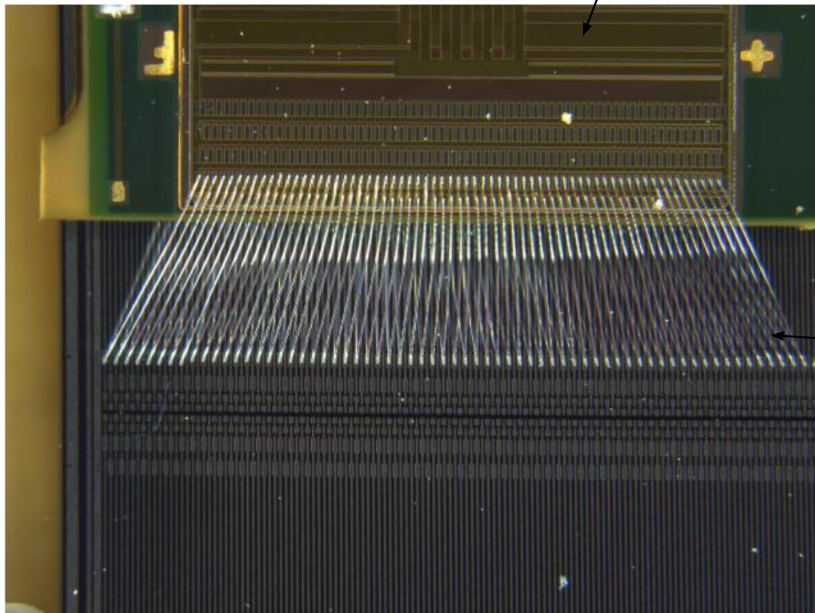
Strip row 1, "away"  
from the hybrid

*Sensor*

R2

Wire bonds  
(strip to chip)

Sensor with strips  
(light grey lines)



# Strip module noise measurement

Each sensor strip corresponds to a readout channel on a chip. Each chip is connected to 128 channels on the “under” side and 128 on the “away” side of the sensor. Each group of 128 is called a chip “stream”.

Response curve test results; channel input noise values for two different chip streams

“ENC” = no-one is sure what it means. Essentially noise measured in number of electron charges.

