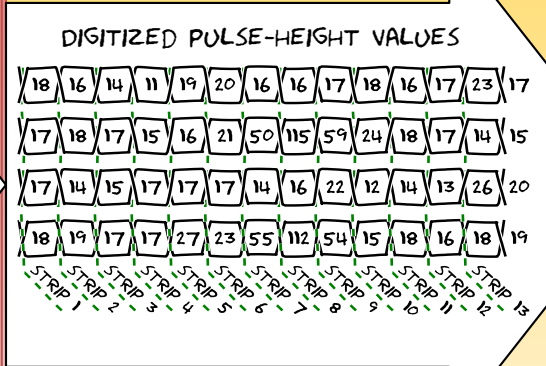
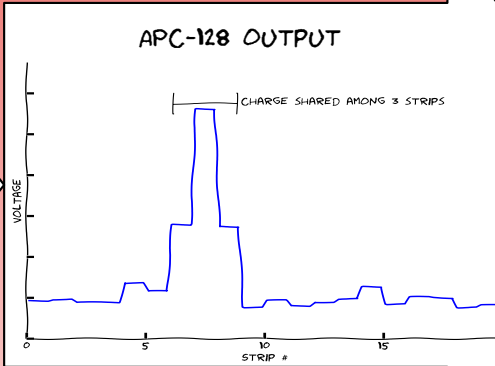
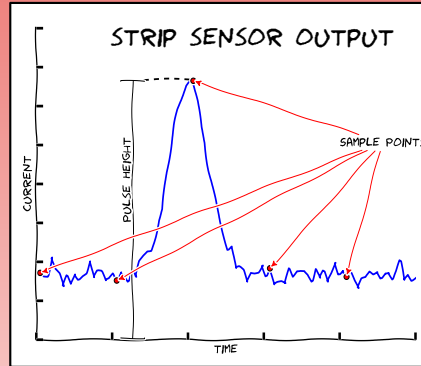


In-Beam Electronics



FPGA DAQ Board

HIT DETECTION

HIT_START
SENSOR: 6
STRIP: 7
PULSE_HEIGHT: 50
STRIP: 8
PULSE_HEIGHT: 115
STRIP: 9
PULSE_HEIGHT: 59
HIT_END

EVENT CONSTRUCTION

EVENT_START
TIMESTAMP: 123453234.12345
SENSOR_1_POSITION: 1.254 mm
SENSOR_2_POSITION: 6.231 mm
...
SENSOR_8_POSITION: 1.25 mm
EVENT_END

Desktop PC

OFFLINE ANALYSIS

- TRACK RECONSTRUCTION
- ALIGNMENT

A diagram showing four parallel lines (red, yellow, blue, and red) with arrows at the end, representing particle tracks.