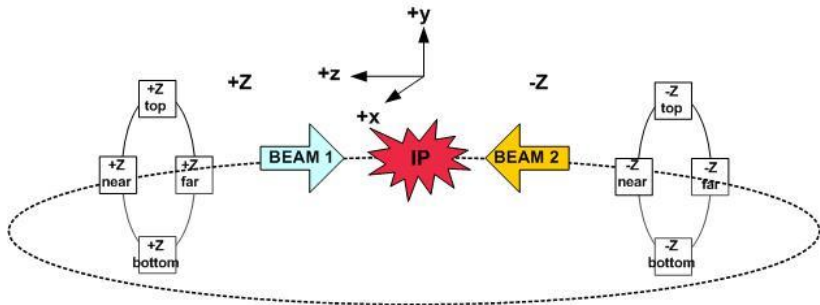


Hit rates for BCM1F sensors

Weronika Warzycha

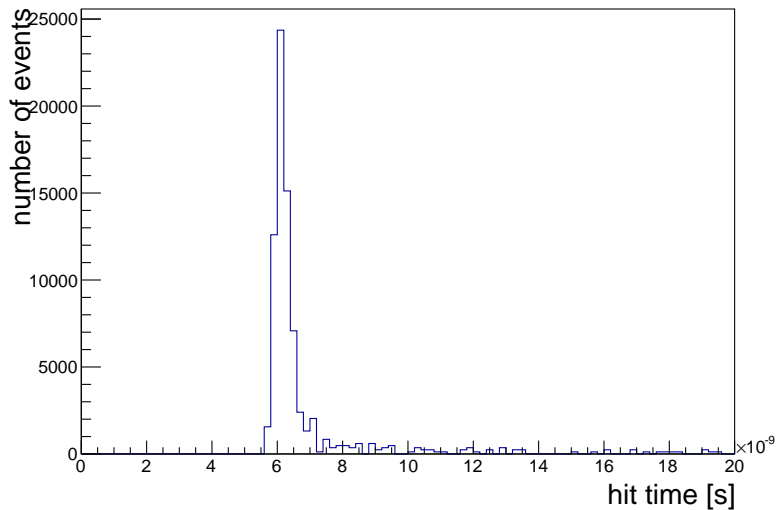


Hit rate = number of charged particles passing through a sensor /
number of events

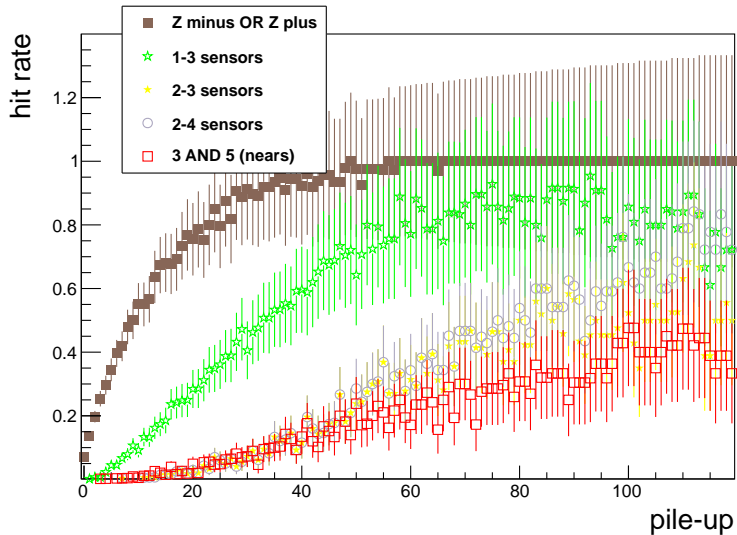
Only particles from 3 ns - 9 ns time window

Event: group of pp collisions
(pile up is a number of pp collisions minus one)

Time distribution



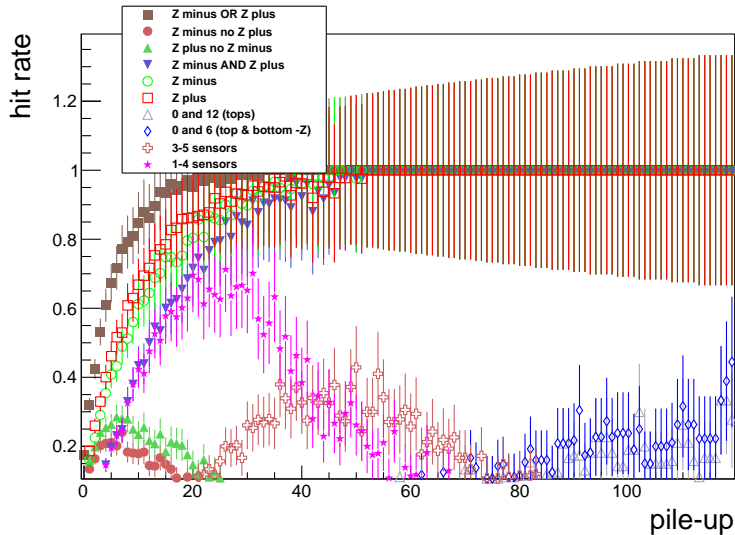
Results for sensor combinations



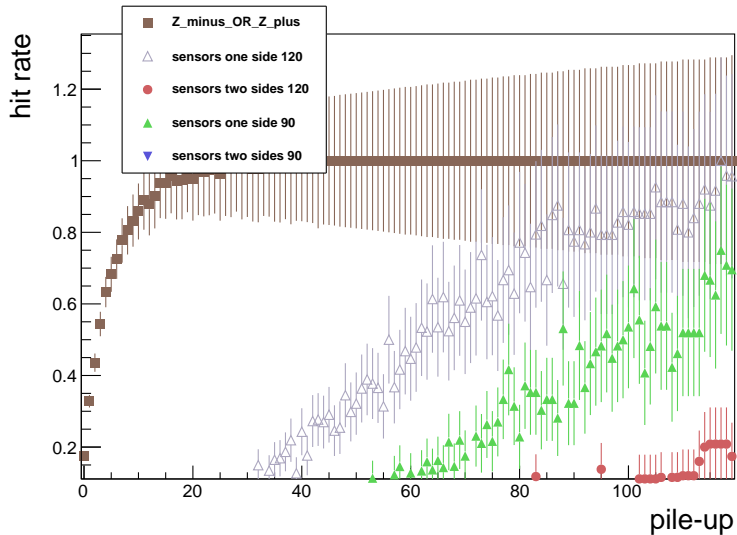
Luminosity algorithms - 8 sensors

- Z minus or Z plus (any hit at all)
- 1-3 sensors
(1-3 +Z sensors and 1-3 -Z sensors recorded a hit)
- 2-3
- 2-4
- 3 AND 5 (nears) (no notion of other sensors)

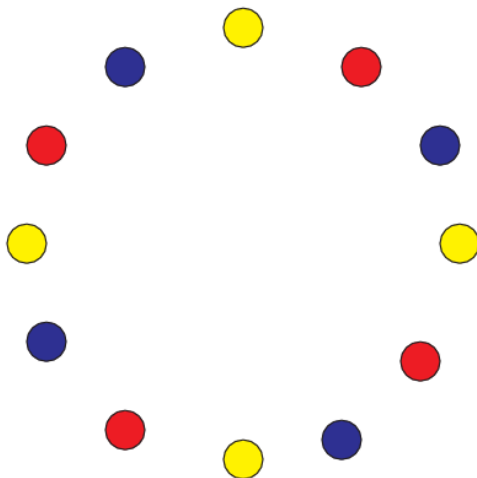
Results for sensor combinations



Results for sensor combinations

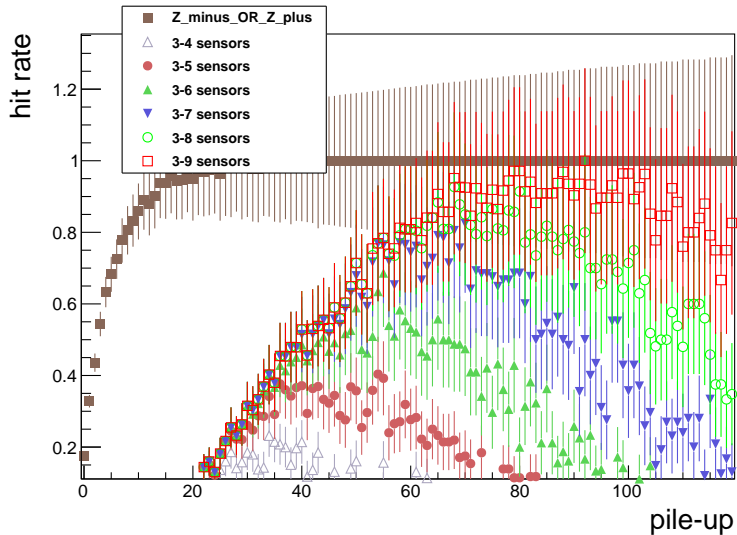


Results for sensor combinations



Hits on yellow OR red OR blue

Results for sensor combinations



- Take a look at neutral particles
- (If enough time: compare results for 8 sensors with data)
- Finish report