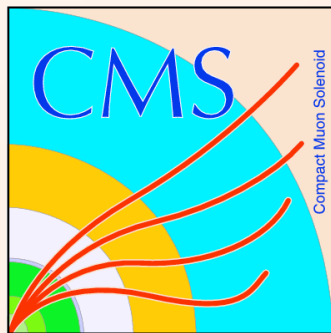


High Occupancy Effects

C. Diez Pardos, D. Pitzl, J. Kieseler

16.11.2012



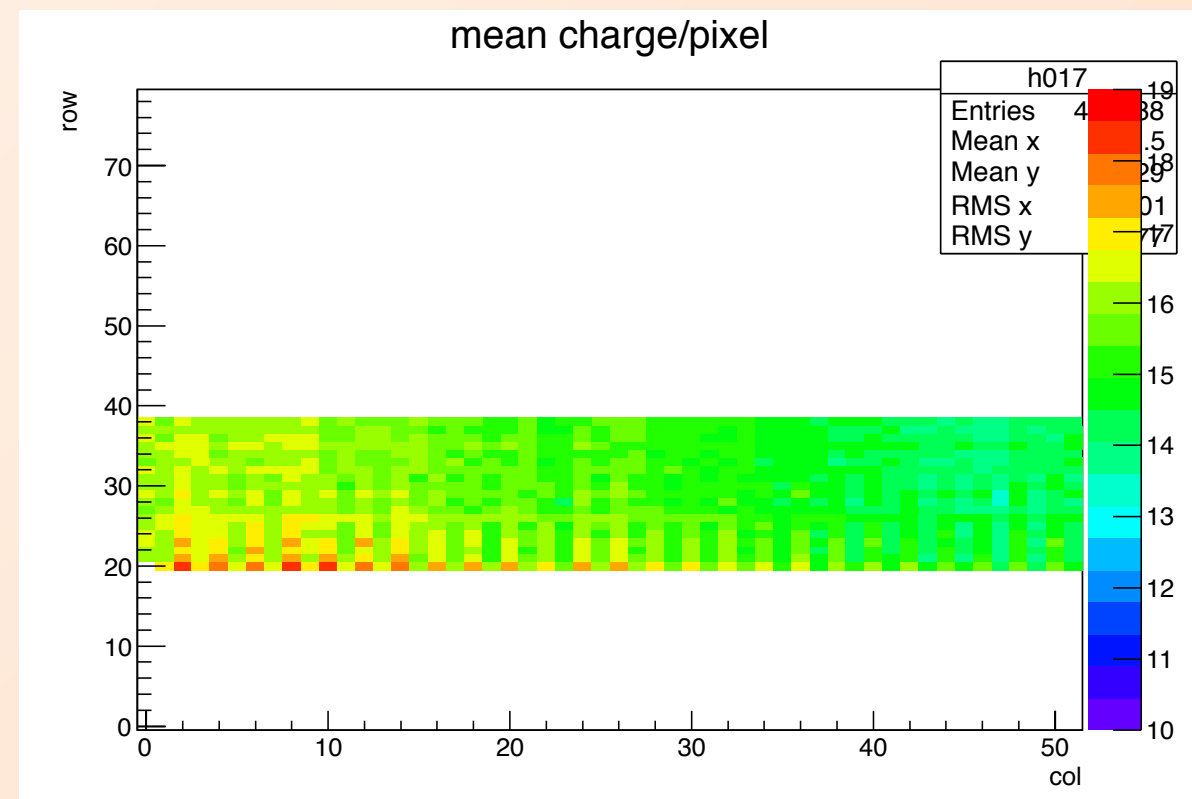
reading out 988 px at once

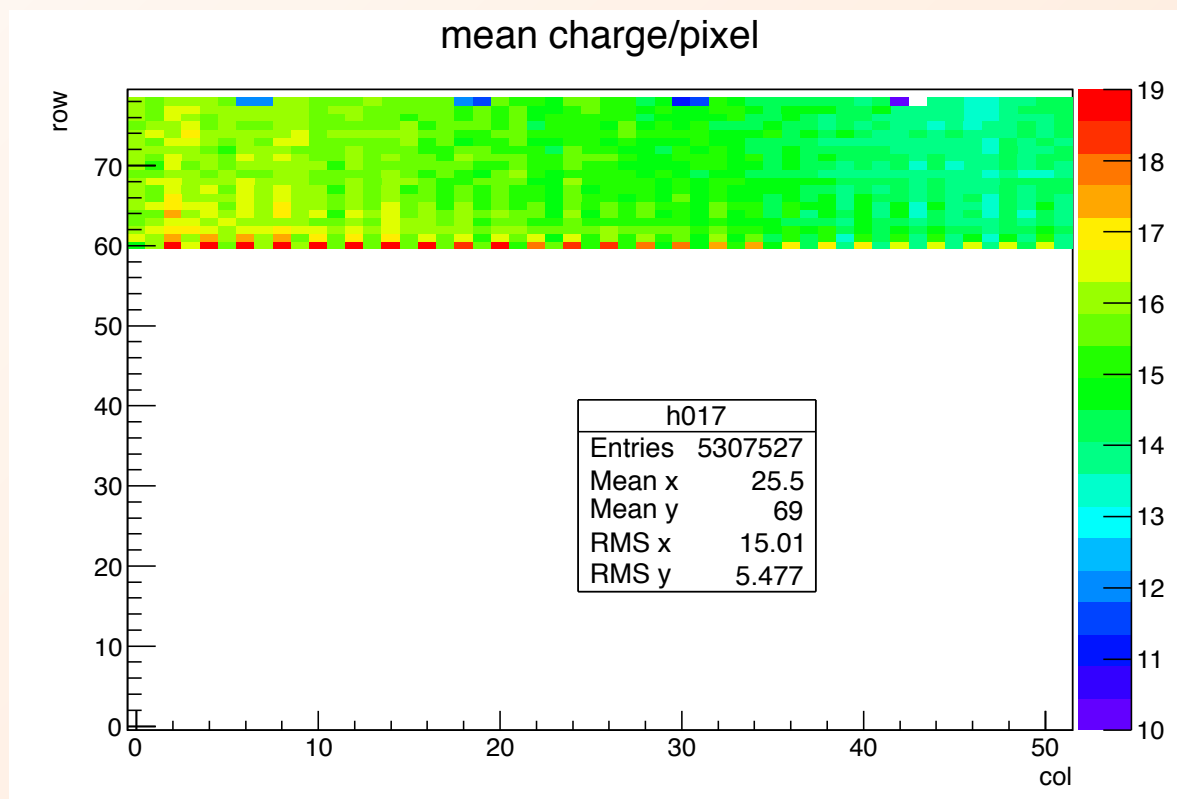
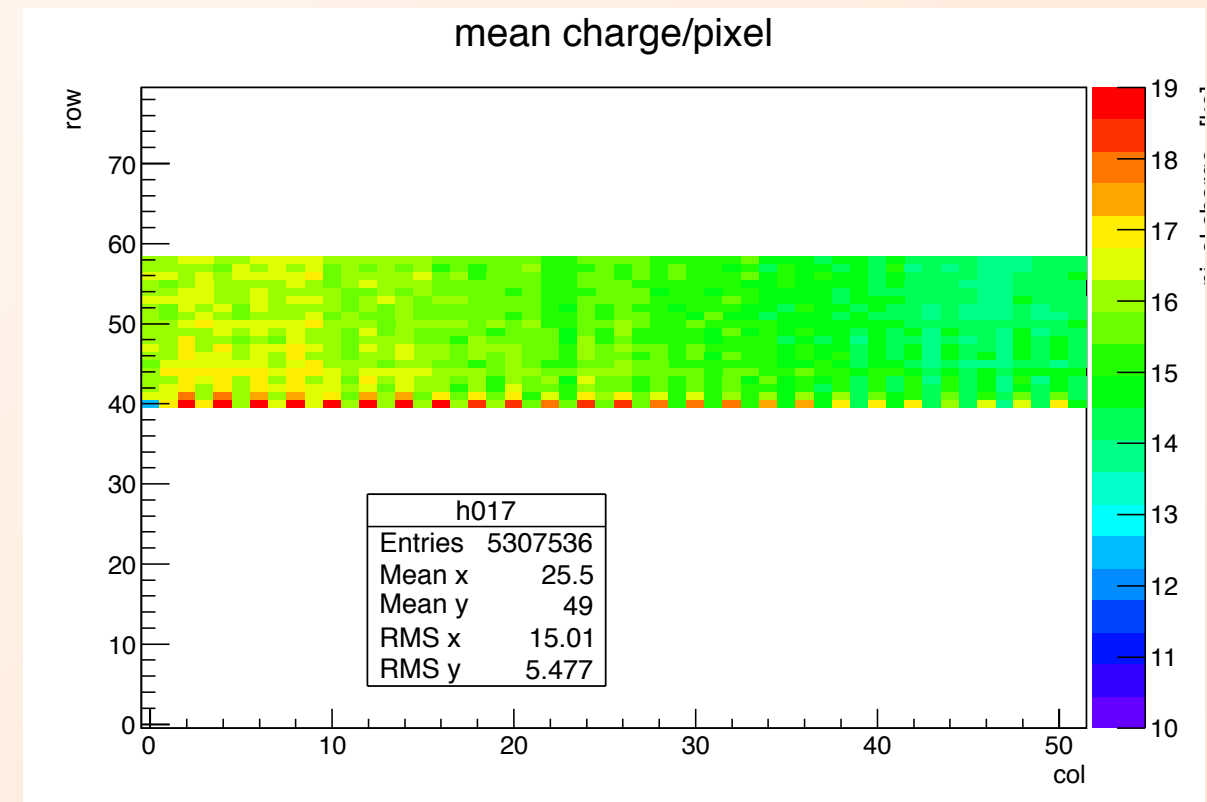
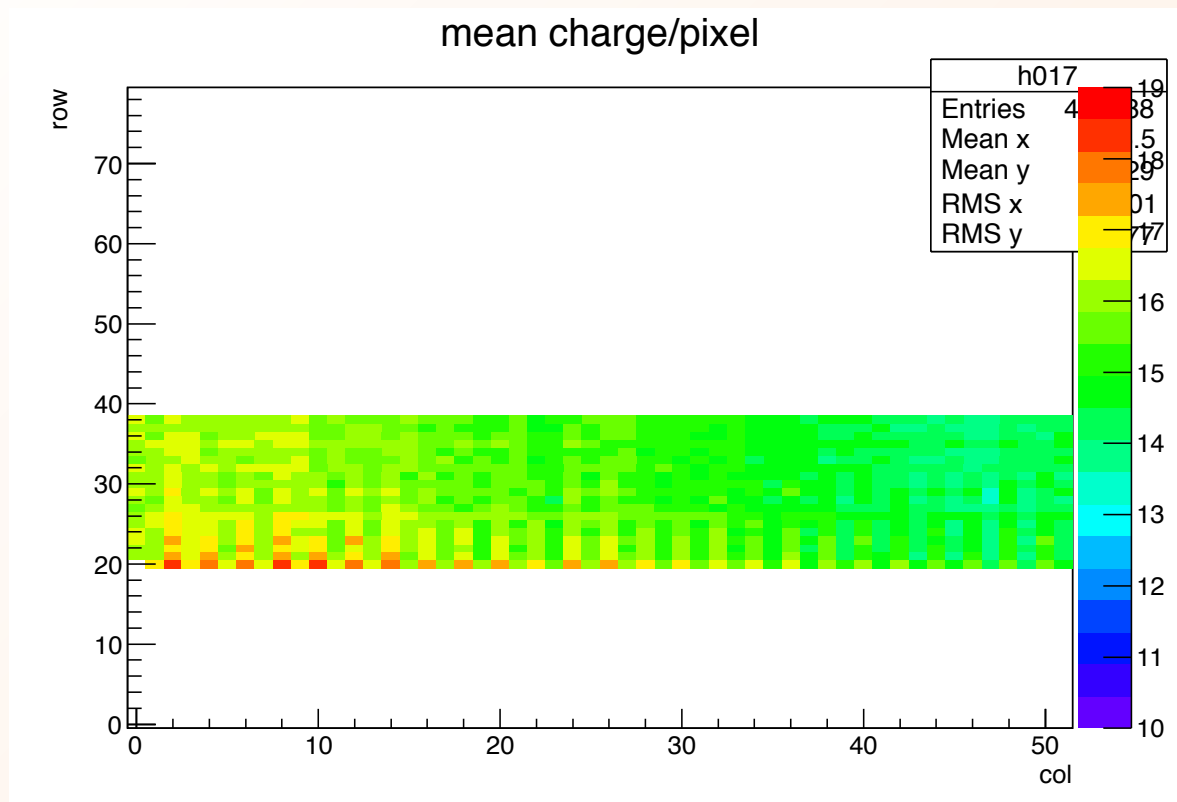
```

chip 204          17 trc  5
                  18 tcc 99
                  19 tct 163
8  clk  0         20 ttk  10
9  sda 22         21 trep 100
10 ctr  0         22  cc  1
11 tin 68
12 rda 60
                  77 spd  0
    
```

- All columns, rows 20-38 active
- 1.5kHz trigger rate (trep 100)
- 988 px active
- 1.5 Mpx/s readout
- 100% efficiency
- no data errors

- Pattern observed in mean charge/pixel
- Chip effect?
- Test different chip regions





- No significant dependence on absolute row index
- Slight even/odd dependence in columns
- ▶ Effect of the testpulse?
- ▶ Current draw of pre-amplifiers?