Weekly report
June 2-9, week: 27/28, SPS period: P1C
Runs: 37043 -

BEAM

| Fr 2.07 | Sa 3.07 | Su 4.07 | Mo 5.07 | Tu 6.07 | We 7.07 | Th 8.07 | Fr 9.07 |

$2.1\ 10^8\ \mu/spill$

7:30   PS septum failure 36h 45'   20:15

$0.7\text{-}0.9\ 10^8\ \mu/spill$
$11\ \mu s$ spill substructure

Trig. M-I unprescaled

**alignment**

field rotations

alignment
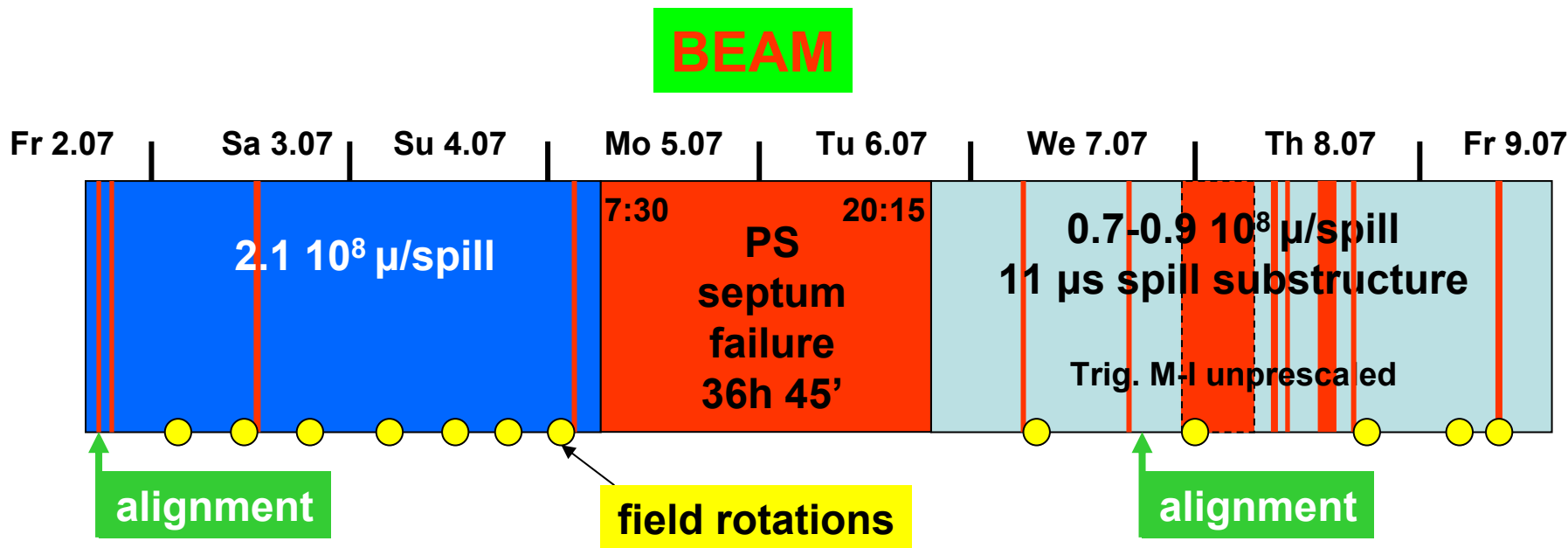
spills available (from Jiawei on 9.07 at 10:45):

Fr 2.07	Sa 3.07	Su 4.07	Mo 5.07	Tu 6.07	We 7.07	Th 8.07	Fr 9.07
2341	4636	4894	1371	913	4081	2911	2167

Beam - expected - at the beg. of the week : 5d 16h   (136h)
              - after the septum failure: 5d 12h 45' (132.75h) → 99%
- **non**available to COMPAS (logb.)   :   16h → availability → 88%

DETECTORS

| Fr 2.07 | Sa 3.07 | Su 4.07 | Mo 5.07 | Tu 6.07 | We 7.07 | Th 8.07 | Fr 9.07 |

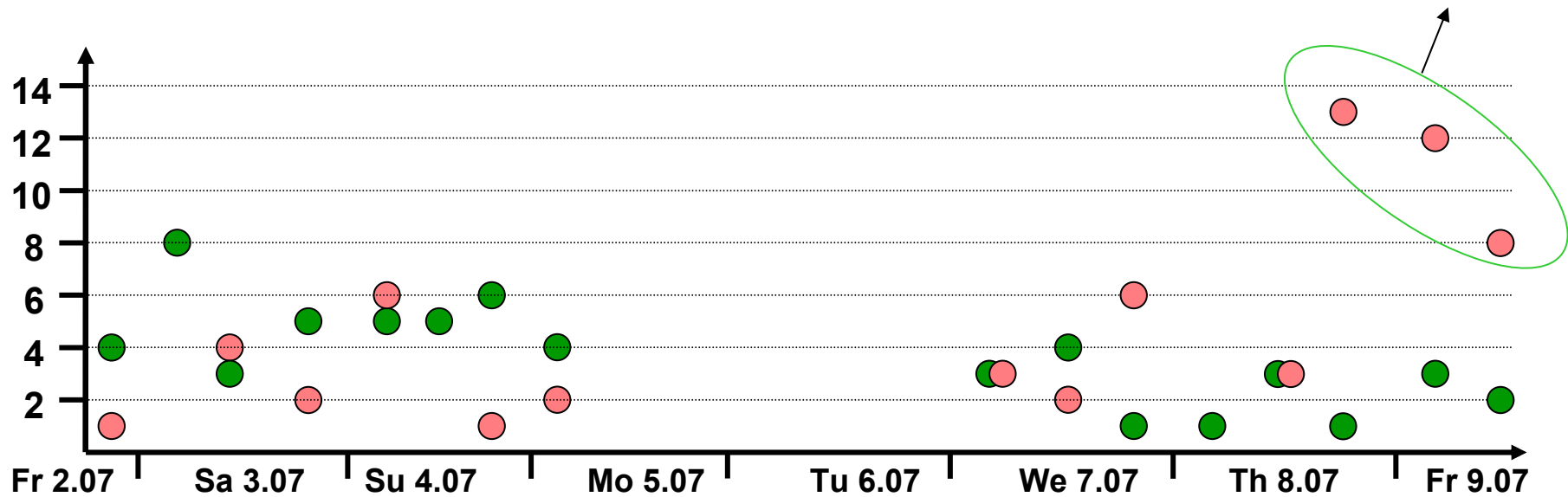~all trackers on | | GEM10xy (PA06) Si02x | ~all trackers on
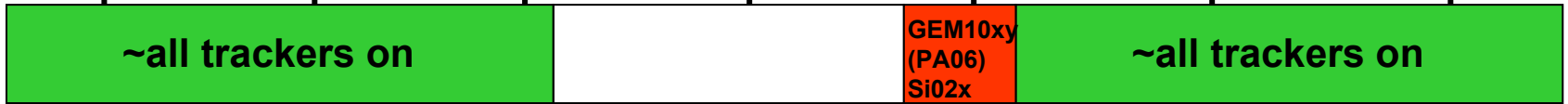
RICH: PD0-EFG, PD2-I, PD4-CE, PD6-C at reduced HV

Incl. MT unprescaled

RUNS

runs/shift:
=200 spill runs: ●
< 200 spill runs: ○ - due to beam or COMPASS, could be Good OK

(Data until Friday 9.07 14:00)

=200 spill runs: **58**
<200 spill runs: **63**
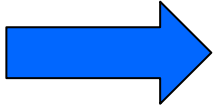
SHORT RUNS

SHORT RUNS: • might be more than 1 problem
• due to (detector ←→ DAQ?):

BEAM	DAQ	TRIG	MM	Si	W45	RICH	ECAL	CIND.	TGT.	?
12	19	11	9	1	1	1	5	2	1	7

THINGS TO IMPROVE

🔴 **LOGBOOK: - give clear reasons for stopping the run**
(DAQ ←→detector)
- write down clearly beam-off time

🔴 **MM alarms**
🔴 **HODOSCOPE HV alarms (done?)**

🔴 **DAQ performance**

🔴 **Update REFEENCE PLOTS**

THINGS TO IMPROVE ctd.

MODIFY ALIGNMENT PROCEDURE

*Marcin Stolarski suggestions
for present intensity:*

MAGNETS OFF

- **un**presc. by 2: VI, VO+H04, BT

- 50 spills (100 before)

MAGNETS ON

- **un**presc. by   2: VI
  unpresc. by 16: VO
  unpresc. by   2: BT
  unpresc. by   2: Incl. MT

- 25 spills (50 before)

prescale for higher beam intensit.

*(At present nobody
is using this data
but some feel that it
might be used in
future improvements)*

Beam off according to the logbook:

```
2.07; 17:40,     30'
        19:00,    20'
3.07; 12:30,     60'
5.07;  2:30,     40'
        7:30,  2205' – MD & septum
7.07;  9:20,     40'
        16:45,    30'
        23:00,   480'
8:07;  9:30,     42'
        11:15,    16'
        13:30,   120'
        16:32,    20'
9:07 10:17,      60'
             ---------
             956'≈ 16h
```