

ALICE MCH Weekly Upgrade Meeting

SOLAR prototype version 2
SOLAR crates
SOLAR production Testbench
SOLAR production tendering
SOLAR @ SPS Test Beam
SOLAR Readout (CRU firmware)

Ch. Flouzat – A. Grabas – B. Paul

4 boards expected in end-August

- *DS345v2 card planning seems in line with this*

1 – Flex's : How Many ? When?

We need it @Saclay

2 – Caps: How Many ? When ?

Solar Front Panel:

Need to Finalize drawing (with fixing parts)

***1 – Need Precise details on Ribbon thickness
(with shielding)***

***2 – Could we have 4 or 8 Shielded Ribbons?
(to validate mechanics design of solar front panel)***

- Finalize number of crates
 - Quadrants: *to be checked by Christine (IPNO): CAO 3D*
 - **Slats: final number + position of crates?**
 - **Who can help ?**
- **Power Supply Cables for Crates not studied yet:**
 - *Rony proposed to work on this.*
 - *He needs more information about integration of the cables:*
 - **Who can help ?**

- *GBTx configuration with “Raspberry Pi”* **ok**
- *QR code reading* **ok**
- *Human interface* **started**
- *GLIB <-> Rpi communication* **ok (i2C)**
- *GLIB <-> SCA communication (i2C)* **started**
- *Hardware for testbench:*
 - ***schematics finished at the end of this week (04/08/17)***

SOLAR production Tendering

- *Tendering should be published for **September***
 - *Production shall start mid-November*
- *Make sure all Hardware will be there:*
 - ***GBTx/SCA/VTRx purchase:***
 - *We prepared some technical papers for Herve*
 - ***What is the status?***

- **Need to know a schedule to prepare our arrival:**
 - **When do we install slat on SPS?**

tuesday 12th , wednesday 13th

- **Which setup do we use?**
 - **One or more DS?**
 - **One or more FLEX?**
- *No more material a Saclay (flex/ds345):*
 - *no specific development ongoing*

- Arria 10 dev board received
 - Plugged into our Supermicro development Computer
- Work started with Filippo to setup I2C communication
 - (needed to configure a DS345 through SOLAR)

- An internal MCH meeting was set to discuss about O2-CRU interactions

- A O2 – MCH meeting was set to detail MCH detector philosophy to O2 team
(data formats, payload, heartbeat and BxReset plan)