



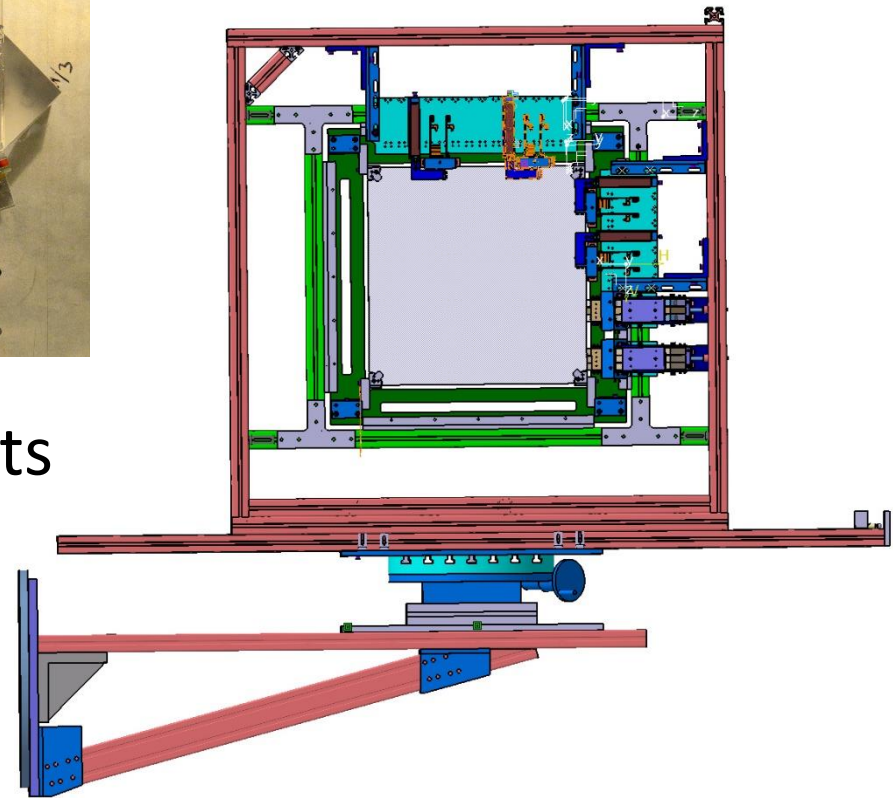
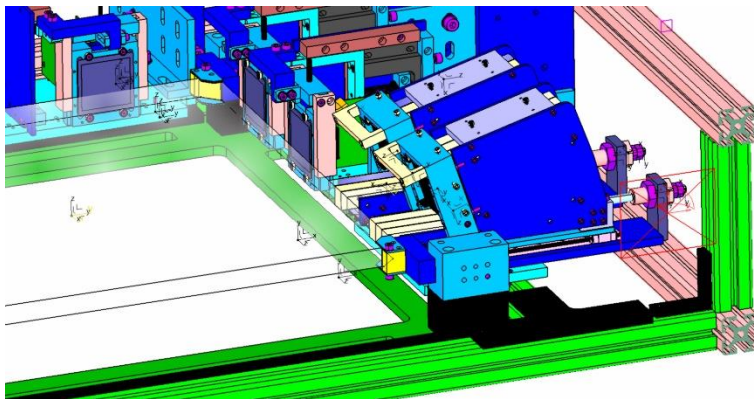
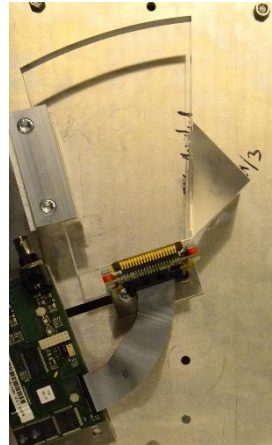
# Testbeam 2015

PANDA PID-Meeting, 2015

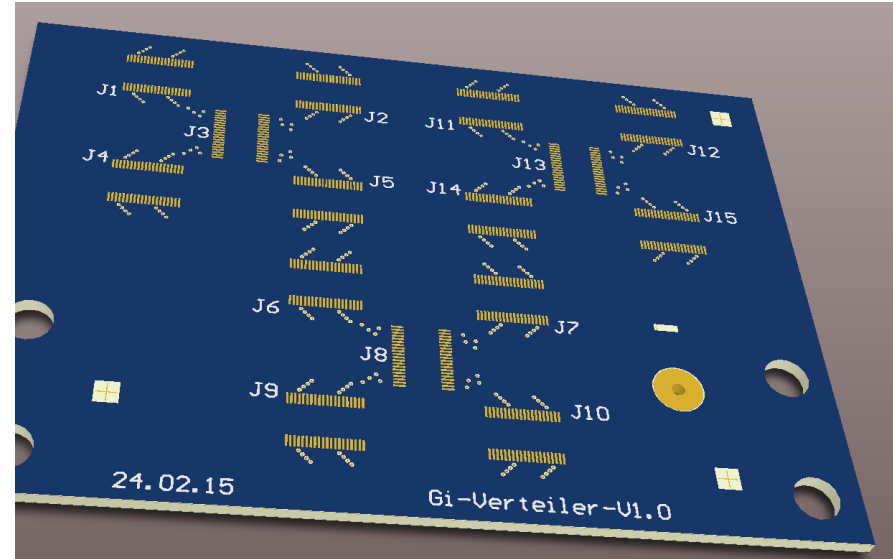
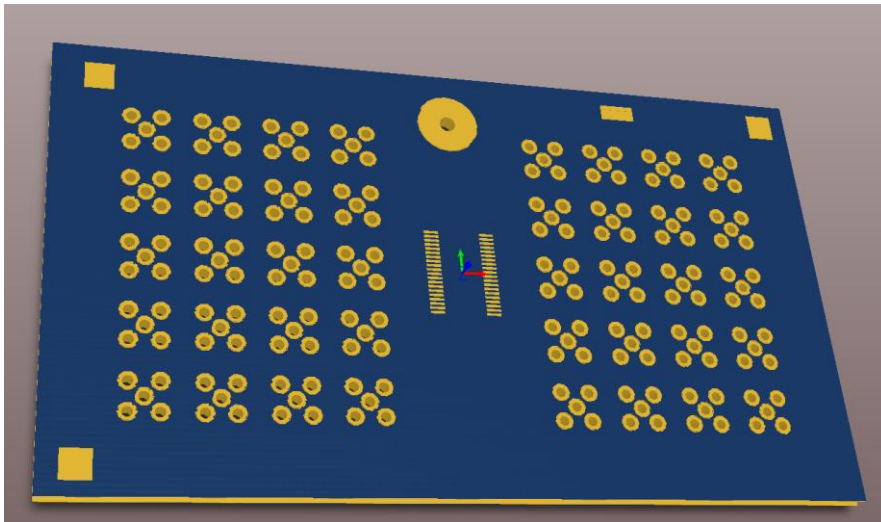
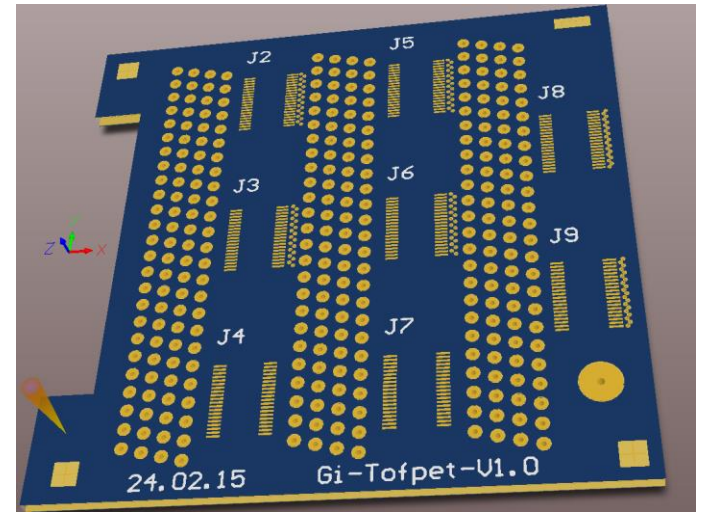
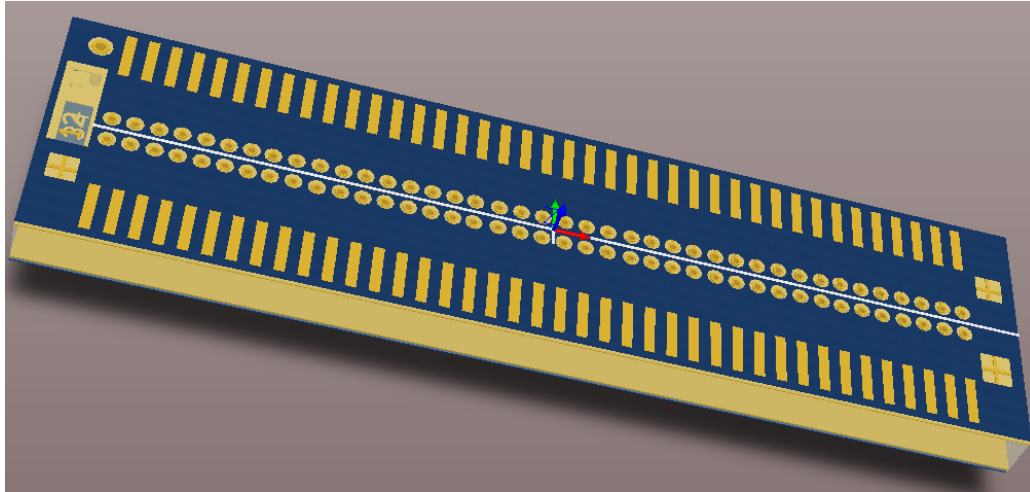
# Goals

Test detection of Cherenkov light with new components:

- FLGs and bars
- MCP-PMTs
- PCBs
- TOFPET readout
- New mechanical concepts



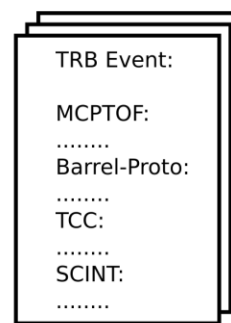
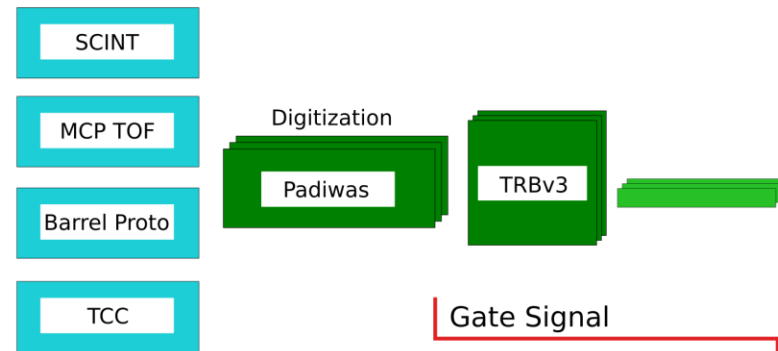
# New Boards



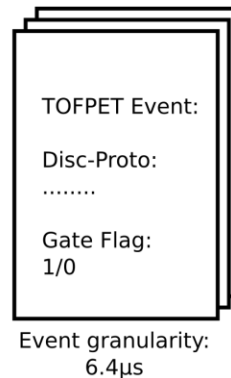
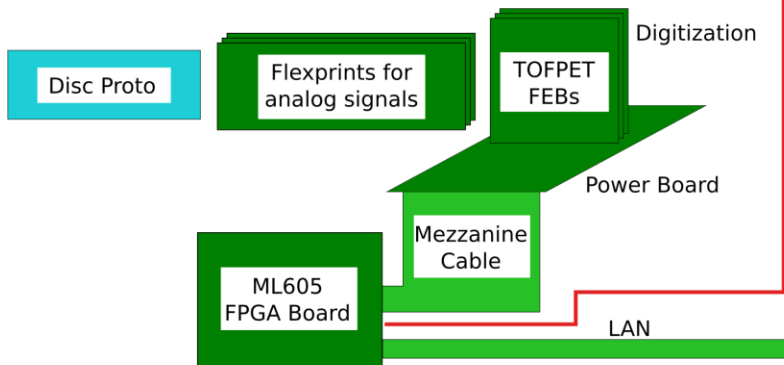
# Readout: TOFPET Scenario

## Hardware

## PC



Keep two independent readout systems



$1/6.4\mu\text{s} \sim 156 \text{ kHz}$

Online Monitoring

Do we need event building on site?

?

Global Event Building

Minimum requirements:

- Independence of the systems
- Possibility to do offline Event Building (cuts on TOF, TCC, are crucial)

Online Monitoring



# Time Table

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	<b>Anwesenheit</b>																												
2	Stand: 11.03.15																												
3		###	Thu	Fri	Sat	Sun	###	Tue	###	Thu	Fri	Sat	Sun	###	Tue	###	Thu	Fri	Sat	Sun	###	Tue	###	Thu	Fri	Sat	Sun	###	Verantwortlichkeit/Kommentar
4	<b>Name</b>	29-	30-	01-	02-	03-	04-	05-	06-	07-	08-	09-	10-	11-	12-	13-	14-	15-	16-	17-	18-	19-	20-	21-	22-	23-	24-	25-	
5	Avetik							o	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	o	Kommunikation CERN/ TRB
6	Erik							o	X	X	X	X	X	X	X	X	X	X	X	X	o								Mechanik/ Optik
7	Hasko						o	X	X	X	X	X	o																
8	Julian						o	X	X	X	X	X	X	X	X	X	X	X	o										TOPPET/ Auslese
9	Karina																												
10	Klim														o	X	X	X	X	X	X	X	X	X	X	X	X	o	
11	Kristof																o	X	X	X	X	X	X	X	X	X	X	o	Online Software
12	Michael																o	X	X	o									
13	Mustafa														o	X	X	X	X	X	X	X	X	X	X	X	X	o	Simulation
14																													
15	Gesamt	0	0	0	0	0	1	4	4	4	4	4	4	4	3	3	5	6	7	7	7	4	4	4	4	4	4	4	4
16																													
17	<b>Ablauf</b>																												
18	Vorbereitung																												Teile müssen zum Verladen in 506 bereitgestellt werden
19	Anfahrt																												Verladen
20	Aufbau																												
21	Comissioning																												Aussage Jochen
22	Shifts																												
23	Abbau																												Aussage Jochen
24	Rückfahrt																												Aussage Jochen
25																													

# Critical Items

- Flex Prints
  - Design is finished, will be ordered this week
  - Have to be soldered by external company
- PCBs
  - Ordered, but have to be soldered
- DAQ & online software
- Gluing of optical components
- Table for translation stage
- Some mechanical parts have to be machined