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Dream Testbeam July 2012

Shift schedule: July beam period 16th - 30th July

people at CERN [↗](#)

day	16 Mo	17 Tu	18 Wed	19 Thu	20 Fri	21 Sa	22 Su	
0-8	---	Gabri	Gabri	Silvia	Silvia	Gabri	Gabri	
	---	Antonio	Antonio	Evelin	Evelin	Sehwook	Sehwook	
8-16	Richard	Evelin	--	Antonio	Antonio	Silvietta	Silvietta	
	Casce	Casce	--	Nural	Nural	Guido	Laura	
16-24	John	Alan	Guido	John	John	Tommaso	Franco	
	Daniele	Richard	Nural	Daniele	Richard	Alan	Alan	
day	23 Mo	24 Tu	25 Wed	26 Thu	27 Fri	28 Sa	29 Su	30 Mo
0-8	Silvia	Laura	Silvia	Fabrizio	Sehwook	Laura	Tommaso	Tommaso
	Tommaso	Tommaso	Tommaso	Daniele	Laura	Alan	Alan	Daniele
8-16	Richard	Evelin	--	Guido	Evelin	Silvietta	Silvietta	--
	Daniele	John	--	Tommaso	John	Fabrizio	John	--
16-24	Franco	Daniele	Franco	Silvia	Guido	Daniele	Laura	
	Guido	Franco	Laura	Ale	Gabri	Sehwook	Fabrizio	

DAQ expert schedule: July test beam period 16th - 30th July.

DAQ expert to be called in case of problem: on call shift are intended from 3pm first day in the header to 3pm second day in the header

day	16 Mo	17 Tu	18 Wed	19 Thu	20 Fri	21 Sa	22 Su	23 Mo	24 Tu	25 Wed	26 Thu
	Alessandro	Alessandro	Alessandro	Alessandro	Alessandro	Alessandro	Alessandro	Alessandro	Bob	Bob	Bob

Measurement program: July test beam period 16th - 30th July.

Crystal Program:

- Study of polarization measurements with **PbF2** crystal (electron and photon beam)
 - ◆ center the crystal position (acquisition with ADC)
- Results of PbF2 showed only a small effect, apparently due to scrambling of the light polarization along the long axis of the crystal -- see CrystalPolarizationStudies.
- Study of polarization measurements with **BSO** (BSO1) + U330+ GG495 filters and comparison with last year data. Acquisition with oscilloscope.
 - ◆ scan with different thickness of lead absorber with electron
 - ◇ change favorable/unfavorable filter

- ◆ scan with different thickness of lead absorber with photon
 - ◇ change favorable/unfavorable filter

Program:

- Test amplifiler
 - ◆ Energy scan to verify double gain measurements

Fiber Module Program:

waveforms taken with parasitic muons with oscilloscope: S signal:

https://atlsrserver.pv.infn.it/franchin/DREAM/2012/TEST_NOISE_AGO/TB_July/ C signal:

https://atlsrserver.pv.infn.it/franchin/DREAM/2012/TEST_NOISE_AGO/TB_July/

- Light Mixers. some results here:
 - ◆ <https://indico.cern.ch/getFile.py/access?contribId=3&resId=0&materialId=slides&confId=198242>
 - ◆ and with a 5*5 matrix of cuts:
https://atlsrserver.pv.infn.it/franchin/DREAM/2012/Light_Mixer/23.07.2012.LightGuide_ncut5.pdf

Shift Summaries

Please at the end of the shift fill the report here : [JulyTBShiftSummary](#)

HV Mappings

You can check here the HV mapping of

- July 2012 testbeam: [HVmappingJuly2012](#)

RO Mappings

You can find several readout configurations, depending from the testbeam period:

- July 2012: [ROmappingJuly2012](#)

Good Run List

Information on the run taken are reported here: [GoodRunListTBJuly2012](#)

2012 July online macros

- **CheckRun_2012.C** Xtals (ADC), Newdream (ADC) and Ancillary are displayed. Run it in root with `.x CheckRun_2012.C ("RUN#")`
- **NewDream_scope.C** Newdream 2 Channels oscilloscope.
- **Newdream_2012.C** shows every plot (high and low gain of newdream)
- **Newdream_2012_Low.C** shows only low gain plots of newdream both with and without pedestal (there is also the TGraph to do scan positions in order to find the edges, but now it is commented)

-- SilviaFranchino - 10-Jul-2012

This topic: DREAM > DreamTBJuly2012

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