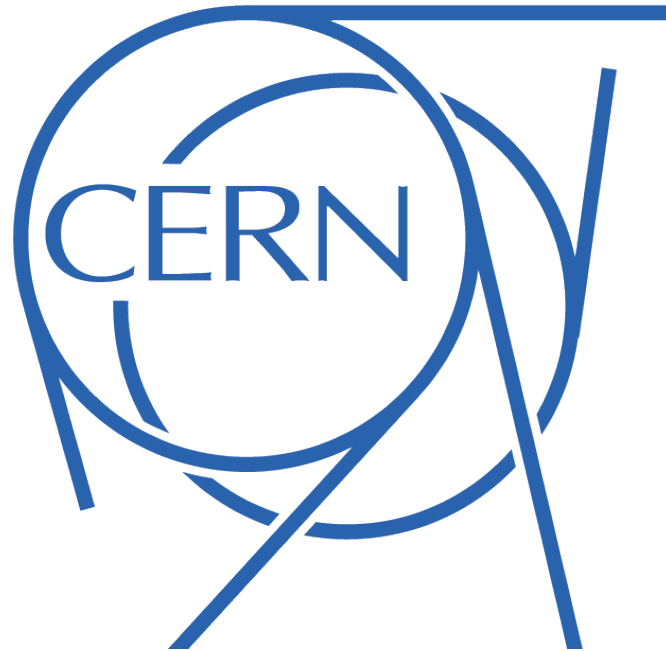


Test beams future plans - Discussion session-

Roman Pöschl
LAL Orsay



Situation at FNAL 2011 - 2013

- Usually high availability of beam lines
CALICE DHCAL and later GEMs will benefit from this
- Basically no user between August 2011 and February 2012

Main boundary conditions at FNAL

~March 2012 shutdown of beam test line

During 2013 re-start of test beams

CALICE (European, Asian groups) should be brought into position to choose FNAL as test beam site (Funding and logistical issue) !!!!

Comments on DESY

- Generally high availability of beam time and flexible scheduling
- => Ideal place for testing of small units
CALICE Ecal(s) will make use of it

"CERN crisis" 2011

18-Apr-2011

2011 SPS Fixed Target Programme

Version 1.0

Colour code: blue (dark shading) = not yet allocated ; yellow (light shading) = not allocatable or Machine Development

	P1		P2		P3		P4		P5		P6												
	35 26 Apr 31 May		35 31 May 5 Jul		35 5 Jul 9 Aug		35 9 Aug 13 Sep		35 13 Sep 18 Oct		34 18 Oct 21 Nov												
T2 -H2	NA 4	22	NA61 TR	CMS IPGD	CALICE SDHCAL	CMS PLT	CMS CALO	NA61 Protons	NA61-Protons	NA61 SIBT	CREAM CALO	CMS CALO	NUCLEON	NA61 10-12 weeks									
T2 -H4	NA 4	H4IRRAD 22	CMS ECAL	H4IRRAD	A RD51	PHOTAG H4IRRAD	CMS C	RD51	NA63 Electrons	FAIR	CALET	PEBS	PANDA	RD51 ECAL	LHCf								
T4 -H6	NA 4	SILC PIX	NA62 STR	NA62 STRAIN	ALICE SPD	CERF RD42	DEPFET RD42	AMMAGAS	A RD42	NA61 AID	SILC	A	BELLE SuperB	ATLAS IBL	BELLE E/SVD	A CEDAR	NA62 GTK	PIX					
T4 -H8	NA 4	CALICE IBL	ATLAS IBL	DREAM	CALICE RD50	TOTEM	CALICE RD50	DREAM	LHCb	LHCb	LHCb	LHCb	UA9	UA9	LHCf	CALICE	LHCb	LHCb	TOTEM	DREAM	UA9 IONS		
T4 -P0	NA 4	22	0	35	0	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34		
T6 -M2	NA 4	COMPASS 22	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	COMPASS	20	14
CNGS 27		CNGS 35	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	CNGS	34

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Comments:

- no comments

~today

- Tight schedule 2011 from the beginning
- TAX problem in north area => no beam until **earliest** ~10/6/11

Dealing with crisis in 2011

- Already small beam time (w.r.t.) CALICE request will be reduced further

Make sure that CALICE will not fall over the edge

Main concern is currently situation in beam line H8

CALICE attitude towards upcoming SPS schedule

1) Accept proportional reduction of beam time

2) If constraints by e.g. ATLAS IBL don't allow this

Make sure that CALICE is not punished a second time

=> Request careful revision of non-LHC related test beams and test beam for LHC projects with smaller priority

Our “homework” - Check possibilities to go to PS!!!!

Towards 2012

- Unavoidably we won't be able to complete the program at CERN envisaged for 2011
- Beam time at CERN SPS in 2012!!!!

CALICE request would target at **early 2012** running

Running of SDHCAL and W-Hcal as major devices

If possible within a common beam line

Priority but no mandatory condition for accepting beam time

Beyond 2012

Project	2011/1	2011/2	2012/1	2012/2	2013/1	2013/2
Si-W ECAL/DCHAL RPC/TCMT (π)	XX	XX	?	?	?	?
DHCAL GEM (τ, π)	X	X	X	X	X	X
W HCAL / TCMT (π)	XX	XX	XX	XX	?	?
GRPC SDHCAL (τ)	XX	XX	XX	XX	?	?
Mmegas SDHCAL (τ)	X	X	X	X	?	?
AHCAL (τ)	X	X	X	X	?	?
Si-W ECAL (τ)	-	X	X	XX	?	?
Sc-W ECAL (τ)	-	X	X	X	?	?

Ideas but no plans for > 2012

- Major objectives: Hcal tests with W absorbers
Combined test beam SiW Ecal/Hcal
- Current hypothesis: For major test beams only FNAL is available (modulo discovery at CERN)
Most projects European and Asian based