



B2GM / BPAC Meetings



KEK	VXD Mechanics Gemba	Oct. 17
KEK	BEAST 2 mini workshop	Oct. 18
KEK	B2GM	Oct. 19 – 23
KEK/ IPMU	VXD – BPAC	Oct. 24 – 26

Monday to Friday, Oct. 19 – 23 (prel. schedule uploaded)

Monday Oct. 19, morning session

- Opening T. Browder
- Report from KEK management M. Yamauchi
- SuperKEKB , Status and Schedule tba
- Commissioning Phases 1 & 2 tba

After coffee break:

VXD Gemba: service space, assembly, installation, racks
parallel sessions (non-VXD)
VXD Interaction Region

Tuesday, Oct. 20: Parallel Sessions

PXD, SVD specific: in parallel (9:00 - 16:00)

Common PXD / SVD Session (16:00 - 18:00)

18:00 Party

Wednesday, Oct. 21: Parallel Sessions

Phase 2 commissioning

Slow Control

Background simulations

Gemba (outer detector)

Thursday, Oct. 22: Plenary Session

9:00:00	0:12:00	0:03:00	Beam Pipe	S. Tanaka
9:15:00	0:12:00	0:03:00	PXD	C. Kiesling
9:30:00	0:12:00	0:03:00	SVD	C. Schwanda
9:45:00	0:12:00	0:03:00	VXD thermal test	C. Niebuhr
10:00:00	0:25:00	0:05:00	Inner detector integration	S. Tanaka
10:30:00				
10:30:00	0:30:00		break	
11:00:00	0:12:00	0:03:00	VXD commissioning	C. Marinas
11:15:00	0:12:00	0:03:00	CDC	N. Taniguchi
11:30:00	0:12:00	0:03:00	TOP	J. Fast
11:45:00	0:12:00	0:03:00	ARICH	S. Nishida
12:00:00	0:12:00	0:03:00	ARICH HV	H. Kakuno
12:15:00	0:12:00	0:03:00	ECL	A. Kuzmin



15:00:00	0:30:00		break	
15:30:00	0:12:00	0:03:00	Slow Control	M. Nakao
15:45:00	0:12:00	0:03:00	DAQ	R. Itoh
16:00:00	0:25:00	0:05:00	BEAST phases 1+2	S. Vahsen
16:30:00	0:12:00	0:03:00	Run coordinator report	S. Uno
16:45:00	0:12:00	0:03:00	Phase 3 BKG	H. Nakayama
17:00:00	0:12:00	0:03:00	Outreach	T. Iijima
17:15:00	0:30:00		break	
17:45:00	2:15:00		TB	
20:00:00	2:00:00		FOP (from 20.00)	



9:00:00	0:12:00	0:03:00	Electric Safety	R. Itoh
9:15:00	0:12:00	0:03:00	Beam abort and Interlock	H. Nakayama/S. Uehara
9:30:00	0:12:00	0:03:00	Injector	tba
9:45:00	0:12:00	0:03:00	QCS	tba
10:00:00	0:15:00	0:05:00	SuperKEKB beam instrumentation	J. Flanagan?
10:20:00				
10:20:00	0:30:00		break	
14:35:00	0:12:00	0:03:00	Physics Coordinator's Report	P. Urquijo
14:50:00	0:12:00	0:03:00	Technical Coordinator's Report	P. Krizan
15:05:00	0:12:00	0:03:00	Software Coordinator's Report	E. Paoloni
15:20:00	0:12:00	0:03:00	Computing Coordinator's Report	T. Hara
15:35:00	0:12:00	0:03:00	IB report	C. Hearty
15:50:00	0:12:00	0:03:00	EB report	F. Forti
16:05:00	0:12:00	0:03:00	FB report	Y. Sakai
16:20:00	0:12:00	0:03:00	close out	T. Browder
16:35:00			adjourn	

Saturday, Oct. 24

14:00	1:00		executive session (closed)	
15:00	0:30		Casual discussions over coffee	
15:30	0:10	0:10	General Introduction	P. Krizan
15:50			VXD common	
15:50	0:10	0:10	VXD installation	C. Kiesling
16:10	0:10	0:10	VXD services	C. Kiesling
16:30	2:00		Tsukuba site visit (Beam Pipe, Mechanics, SVD ladder mount, VXD assembly)	S. Tanaka, K. Nakamura
18:30	0:30		move to Okura	
19:00	2:00		reception	
21:00			Stay in Tsukuba	

VXD Services: after discussion with M. Friedl, CK will summarize “inner” and “outer” services design

Sunday, Oct. 25, morning session

8:30	0:30		executive session (closed)	
9:00			VXD common	
9:00	0:15	0:10	Remote Vacuum Connection	C. Niebhur/K. Gardow
9:25				
9:25	0:15	0:10	Thermal design	C. Niebuhr
9:50	0:15	0:10	CO2 cooling	H-G. Moser
10:15	0:15	0:10	GND/EMC	F. Arteché
10:40				
10:40	0:20		break	
11:00			PXD	
11:00	0:20	0:10	PXD overview, issues and schedule	C. Kiesling
11:30	0:15	0:15	PXD9 production	J. Ninkovic
12:00	0:10	0:10	Report from PXD ASICs review	G. Varner (?)
12:20	0:15	0:15	ASICs	L. Andricek
12:50				(for I.Peric)

Sunday, Oct. 25, afternoon session

12:50				
12:50	1:00		Lunch	
13:50			PXD	
13:50	0:15	0:15	PXD assembly	L. Andricek
14:20	0:15	0:15	Ladder production. QC and QA	C. Koffmane
14:50	0:15	0:15	Slow control	T. Roeder
15:20				
15:20				
15:20	0:30		break	
15:50			VXD common	
15:50	0:15	0:10	Readout integration	S. Lange
16:15	0:15	0:10	BEAST phase 2	C. Marinas (?)
16:40	0:15	0:10	Monitor and Interlock	L. Lanceri/L. Lorenzo

Cooling “Strategies”

CO2 cooling needed in the following phases:

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|--|-------------------------------------|
| - assembly of “DESY Test” ladders at MPI | MPI cooler
(alcohol, OK for SCB) |
| - DESY Test itself | MARCO
(HNP pump delivered) |
| - Assembly of half shells @ MPI | MARCO (-> MPI) |
| - BEAST Phase 2 @ KEK (in Belle) | IBBelle |
| - Test of VXD @ KEK B1 | MARCO |

Pre-meeting with TÜV on Sep. 30, 2015:
“certification” -> “statement of safety compliance”

Discussion with KEK cryogenics staff on Friday (Oct. 9) via Seevogh

- Bare PXD9 pilot modules: July 2015 ✓
 - Decision of SMD site/process (-> HLL): July 2015 ✓
 - External ASIC review: July 2015 ✓
 - final ASIC submission: Aug / Sep 2015 (✓)
 - first pilot modules assembled: September 2015 (✓)
 - pilot module testing: Sep - Nov 2015
 - start main sensor metallization (Phase 2/3): December 2015
 - final ASICs tested: February 2016
 - test beam (DESY) with final ASICs: April 2016
 - Install IBelle (Unit A) at Tsukuba hall: Summer 2016
 - Commission BEAST 2 detector: February 2017
 - PXD at B1: March 2017 (? tbd)
 - VXD Integration and Cosmic Tests (B1): June 2017 (? tbd)
 - VXD installation Summer 2018
- (schedule needs some revision, finalize during B2GM)