Test Beam preparation plan

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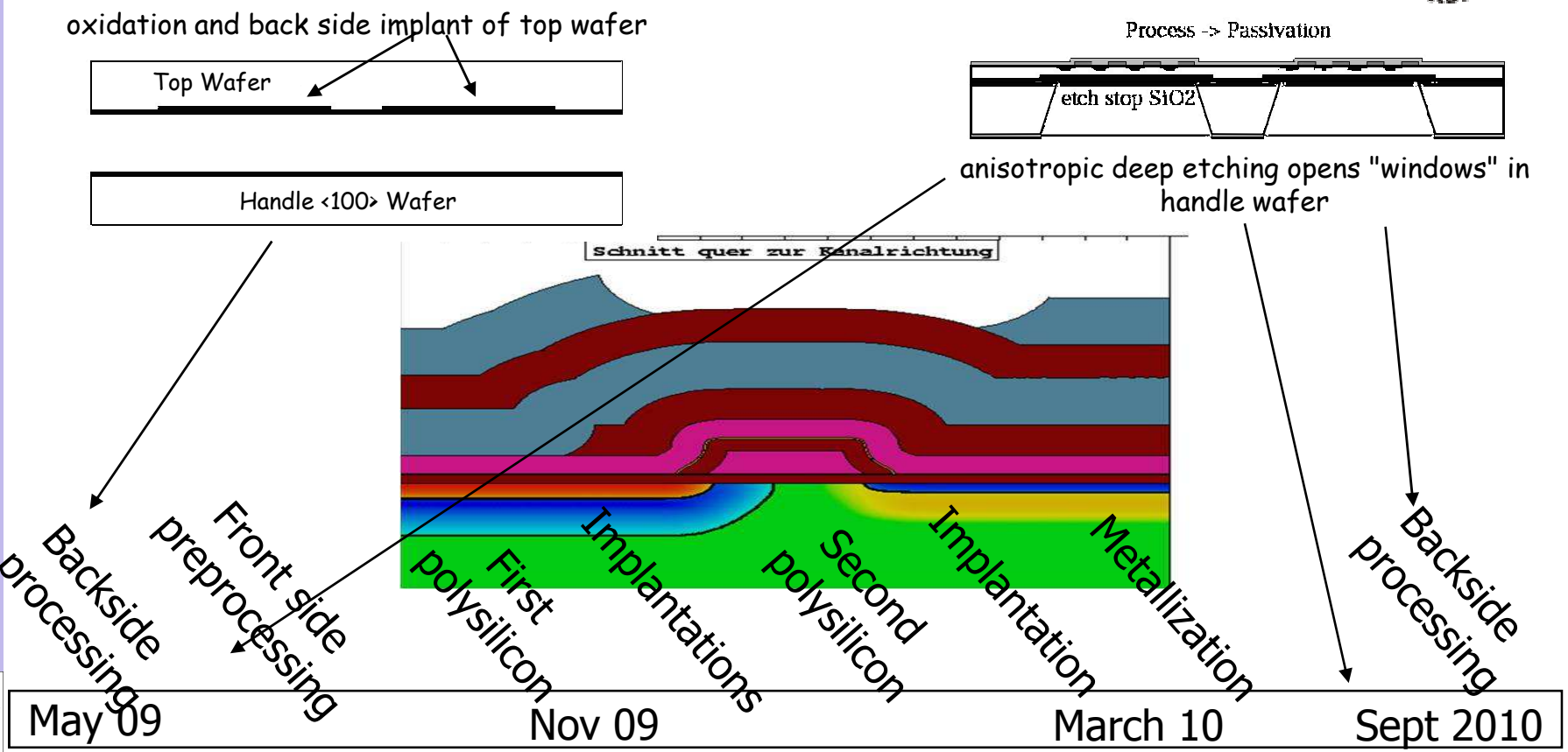
IFIC-Valencia

PXD6 - Production status – J. Ninkovic B2GM-5



- New generation to be tested in the TB2010 (PXD6) ready in September 2010…

Is some delay expected?

- Accelerator schedule for 2010

SPS Operation — Period 6 2010 Oct 21 to Nov 22

Schedule issue date: 1-March-2010 Version 1.0 (colour code: purple (dark) = scheduling meeting , light green (light) = weekend or holiday)

		Thu 21 Oct	Fri 22 Oct	Sat 23 Oct	Sun 24 Oct	Mon 25 Wk43	Tue 26 Oct	Wed 27 Oct	Thu 28 Oct	Fri 29 Oct	Sat 30 Oct	Sun 31 Oct	Mon 1 Wk44	Tue 2 Nov	Wed 3 Nov	Thu 4 Nov	Fri 5 Nov	Sat 6 Nov	Sun 7 Nov	Mon 8 Wk45	Tue 9 Nov	Wed 10 Nov	Thu 11 Nov	Fri 12 Nov	Sat 13 Nov	Sun 14 Nov	Mon 15 Wk46	Tue 16 Nov	Wed 17 Nov	Thu 18 Nov	Fri 19 Nov	Sat 20 Nov	Sun 21 Nov	Mon 22 Wk47
Machine								816 WED MD																										
NORTH AREA	T2 -H2	8h NA61 Z Fodor phys						8h CREAM A Malinin H2B						8h NA61 Z Fodor test			8h CMS-SiBT P Luukka									8h NUCLEON L Tkachev							
	T2 -H4	8h RD51 M Alfonsi						8h PEBS W Lustermann						8h ALICE-VHMPID A di Mauro			8h ALICE-SPD A di Mauro									8h CMS-ECAL A Singovski							
	T4 -H6	MMEGAS PIX H Wilkens H6A/B						8h ATLAS-IBL H Wilkens									8h SiLCRD Savoy Navaro H6B									8h DEPFET M Vos H6B							
	T4 -H8	ATLAS-3DSi H Wilkens						8h ATLAS-STGC H Wilkens									8h ATLAS-MDTROM H Wilkens H8B																
	T4 -P0																																
	T6 -M2	8h G Mallot																								COMPASS muons							
	-CNGS	8h Neutrinos						CNGS																									

END

→ Test Beam period: From November Monday 15th to Sunday 21st

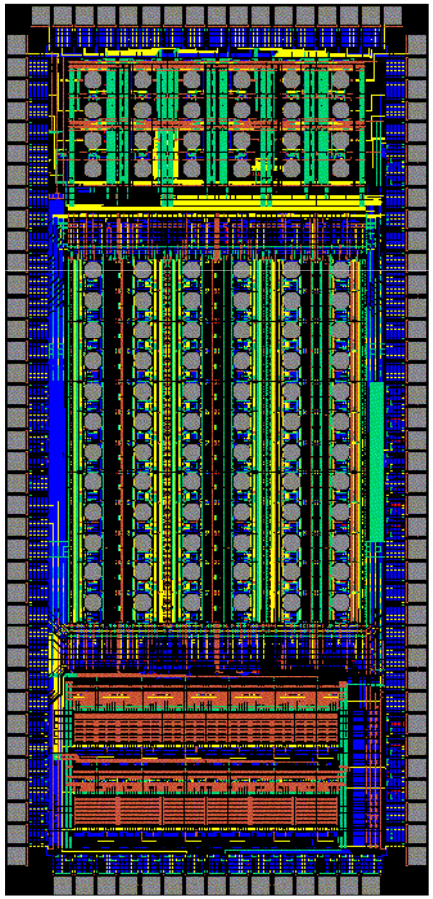
→ Next availiable test beam period starts in May 2011

After the assembling of the components, 1 month for testing in labs (lasers and sources) before TB

Program

H6B area: Wide range of energies and particles availiable

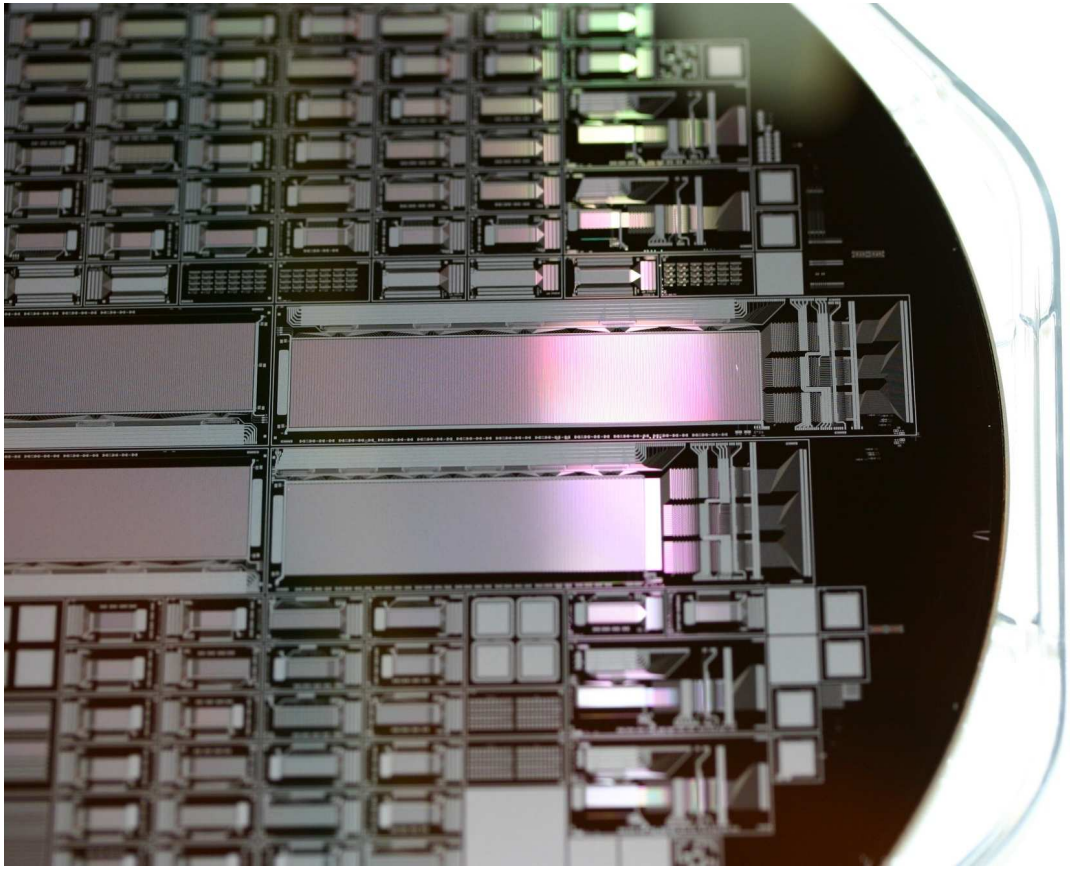
What do we want to learn?
- Resolution?
- M.S. Contribution?
- Uniformity?
- Lorentz angle?



Measurement program?

1.- New Belle-II type?
2.- 'Old' (but well known) ILC type with DCD?

Other variations



- Thin oxide irradiated matrices (even with old ASICS)?

- Do we have enough time to irradiate and characterize the matrices before TB?

Who?

→ Our first priority is the production of the Belle-II PXD, so few people must be involved during a short time period

Do we want to measure the resolution of the matrices?

If not, EUDET is the best option and will be availiable during that time at CERN

- Resolution <3μm
- Only 1 power supply
- No XYZ stages or the precision table (no big shipment needed)
- No big manpower
- Easy allignment in a short time
- Can be operated in a 1.2T magnetic field, if needed

Thank you very much!