

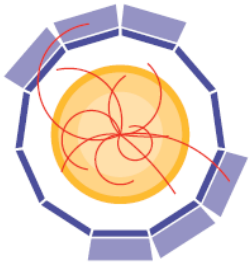
AIDA WP3 Annual Meeting

H.-G. Moser
MPI Munich

Valerio Re
INFN

WP3 EVO
April 12, 2011

- **Status of milestones and deliverables**
- **Progress report by established sub-projects**
- **Discussion: projects not yet established and**
- **Groups not yet associated to a project**
- **AOB**



Agenda, Wednesday

H.-G. Moser
MPI Munich

Valerio Re
INFN

AIDA meeting
28.3.2012
DESY, Hamburg

14:00

[Introduction](#)

Presenter(s): MOSER, Hans-Günther (*Max-Planck-Institut für Physik*), (I)

14:20

[Bonn/CPPM plans for 3D integration](#)

Presenter(s): BARBERO, Marlon Benoit (*Universitaet Bonn*)

14:40

[INFN plans for 3D integration](#)

Presenter(s): RATTI, Lodovico

15:00

[LAL plans for 3D integration](#)

Presenter(s): LOUNIS, Abdenour (*Universite de Paris-Sud 11 (FR)*)

15:20

[MPI plans for 3D integration](#)

Presenter(s): WEIGELL, Philipp (*Max-Planck-Institut fuer Physik (Werner-Heisenberg-Institut) (D)*)

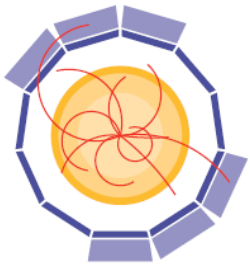
15:40

[Univ. Barcelona plans for WP3.2](#)

Presenter(s): DIEGUEZ, Angel (*Universitat de Barcelona*)

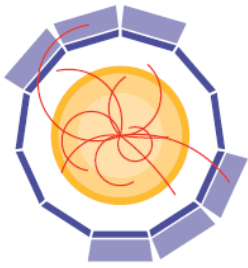
15:50

[Discussion](#)



Agenda, Thursday

H.-G. Moser MPI Munich	14:00	CERN TSV activities with CEA-LETI Presenter(s): DANNHEIM, Dominik (<i>CERN</i>)
Valerio Re INFN	14:20	RAL plans for WP3.2
AIDA meeting 28.3.2012 DESY, Hamburg	14:30	Uppsala plans for WP3.2
	14:40	CNM plans for WP3.2
	14:50	AGH-UST plans for IP blocks Presenter(s): IDZIK, Marek (<i>AGH Univesity of Science and Technology (PL)</i>)
	15:05	Design of an area-effective digital library for pixel readout chips Presenter(s): SZCZYGIEL, Robert (<i>AGH UST</i>), (<i>AGH University of Science and Technology</i>)
	15:25	IP blocks in SiGe Presenter(s): MARTIN-CHASSARD, Gisele
	15:35	Discussion



Milestones

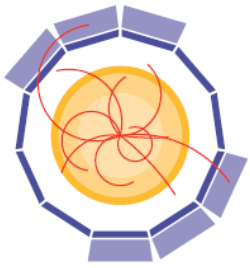
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Schedule of relevant Milestones

Milestone number ⁸⁹	Milestone name	Lead beneficiary number	Delivery date from Annex I ⁹⁰	Comments
MS18	Availability of wafers with ASIC	18	17	Layout of ASICs in MPW (Task 3.2)
MS19	Submission of dedicated sensors for 3D interconnection	11	17	Layout of sensors (Task 3.2)
MS20	Qualification of ASIC and sensors for 3D interconnection	18	25	Laboratory tests (Task 3.2)
MS21	Validation of first set of IP blocks	1	26	Laboratory tests and full documentation of functional blocks (Task 3.3)
MS22	3D interconnection processing accomplished	18	36	3D integrated devices available for technology assessment (Task 3.2)
MS23	Enable access to 3D interconnection technology	12	48	Laboratory tests for validation of 3D integration processes (Task 3.2)
MS24	Validation of second set of IP blocks	8	48	Laboratory tests and full documentation of



Deliverables

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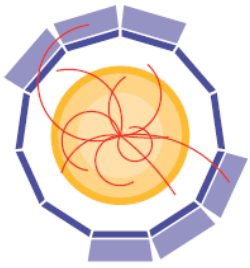
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WP3 EVO
April 12, 2011

List of deliverables

Deliverable Number ⁶¹	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature ⁶²	Dissemination level ⁶³	Delivery date ⁶⁴
D3.1	Organisation of the 3D production	18	20.00	R	PU	12
D3.2	Availability of wafers of ASIC electronics	18	30.00	R	PP	17
D3.3	Production of dedicated sensors	11	25.00	R	PP	17
D3.4	1st set of macro blocks	1	22.00	R	PU	22
D3.5	Wafer post processing (thinning, TSV)	12	24.00	D	PP	25
D3.6	Component processing	18	12.00	R	PU	29
D3.7	Test interconnection and evaluation	12	24.00	R	PP	36
D3.8	Detectors in 3D available for assessment	18	24.00	D	PP	40
D3.9	2nd set of macro blocks	8	22.00	R	PU	44
D3.10	Assessment of 3D integrated sensors	11	20.00	R	PU	48

Milestones and Deliverables in 2012



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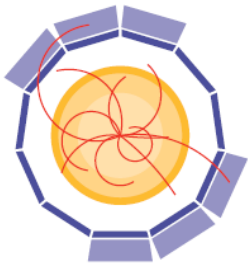
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Milestones:

- 1) MS18 Availability of ASIC wafers, M17 (July 2012)
already met (FEI4, Medipix)
- 2) MS19 Submission of dedicated sensors, M17 (July 2012)
INFN: production of edgeless sensors (April 2012)
MPP: sensor procurement (CSEM/VTT) (July 2012)

Deliverables:

- 1) D3.1 Organisation of the 3D production M12 (Feb 2012) done
- 2) D3.2 Availability of ASIC wafers M17 (July 2012)
already delivered (FEI4, Medipix)
- 3) D3.3 Production of dedicated sensors M17 (July 2012)
INFN: production of edgeless sensors (April 2012)
MPP: sensor procurement (CSEM/VTT) (July 2012)
- 4) D3.4 1st set of macro blocks M22 (Dec 2012)



Schedule

