

WP-15

Upgrade of beam and irradiation test infrastructure

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- **Task 15.1:** Scientific coordination (CERN, DESY)
- **Task 15.2:** Improvements of test beam infrastructure for high precision tracking (CERN, DESY)
- **Task 15.3:** Improvements of the DESY test beam infrastructure (DESY)
- **Task 15.4:** Improvements of the test beam infrastructure at LNF (INFN)
- **Task 15.5:** Improvements of the infrastructure for irradiation tests (CERN, INFN, VU, INRNE, JSI, USFD*)

*associated partner linked to CERN

Mil. no.	Milestone name	WP no.	Planned delivery date	Actual delivery date	Status	Comments
MS16	Specifications for IRRAD sample & user management system and online database fixed	15	M12	08/06/2016	Achieved	Report
MS17	Design of a transport system for neutron irradiations of large samples	15	M12	08/06/2016	Achieved	Report
MS32	Pixel telescope hardware assembled	15	M18	31/10/2016	Achieved	Report
MS33	Environmental control system hardware installed	15	M18	24/10/2016	Achieved	Report
MS34	New Frascati beam line components installed	15	M18	M30	Delayed	Justification for delay
MS35	Test of various low cost silicon materials for fluence monitor concluded	15	M18	31/10/2016	Achieved	Report
MS36	Concept of cold box evaluated and design fixed	15	M18	31/10/2016	Achieved	Report
MS37	Design of the additional cosmic trackers on the other side of the source and on the side walls	15	M18	01/11/2016	Achieved	Report
MS59	Silicon strip reference tracker hardware ready	15	M24			
MS70	Photon tagging components installed	15	M30			
MS85	Installation and commissioning of instantaneous dose rate monitoring system	15	M36			
MS86	Test of the different software modules as event display, camera position tracking and user interface	15	M36			

delayed: late sensor delivery ...
delayed ?

Del. no.	Deliverable name	WP no.	Planned delivery date	Actual delivery date	Status	Comments
D15.1	CERN pixel beam telescope for the PS	15	M24	27/03/2017	Achieved	Report
D15.2	Silicon strip reference tracker at DESY	15	M36			
D15.3	Environmental control system at DESY	15	M30			
D15.4	New Frascati beam line	15	M30			delayed to M35 ?
D15.5	Frascati photon tagging system	15	M42			
D15.6	CERN proton facility upgrade	15	M24			
D15.7	Radiation-hard facility instrumentation for the CERN proton facility	15	M44			
D15.8	Cold irradiations at Birmingham	15	M36			
D15.9	JSI TRIGA Reactor Transport system	15	M18	04/11/2016	Achieved	Report
D15.10	GIF++ gas system	15	M24			
D15.11	GIF++ Facility upgrade	15	M48			

- The BTTB series has been a very successful format for:
 - test beam & irradiation facilities users
 - beam telescope users
 - facility coordinators
- WP15 has a large overlap of activities and participants with BTTB (Tasks 15.2, 15.3, 15.4)
- Upgrade activities for irradiation facilities (Task 15.5) are driven by user requirements



- AIDA-2020 comes with a certain amount of paperwork:
 - Annual Reports, Milestone Reports, Deliverable Reports, etc...
 - contractual obligation with the EU
 - reports need to be read & edited by WP15 management, AIDA-2020 management before being uploaded on the EU system.

- Coming reports:
 - MS59: Silicon strip reference tracker hardware ready
 - D15.1: CERN pixel beam telescope for the PS
 - D15.6: CERN proton facility upgrade
 - D15.10: GIF++ gas system



- 27 records for WP15 in CDS so far (including official reports)
 - <http://cds.cern.ch/collection/AIDA-2020?ln=en>
- Please, let us know about your publications related to WP15 activities:
 - *journal publications, conference/workshop papers, scientific/technical notes, academic dissertations, posters, presentations and handouts, press articles, etc ...*
 - please, remember the AIDA-2020 acknowledgement text:
<http://aida2020.web.cern.ch/science/publications>
- AIDA-2020 Transnational Access (TA) promotional videos:
 - <https://www.youtube.com/channel/UCIpwLrDr1w3TNL9t7wLZH1g>

Today's (Final) Program ...

	WP15.1 - Welcome & Introduction <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Federico Ravotti et al.</i> 14:30 - 14:40
	WP15.2 - Improvements of test beam infrastructure for high precision tracking <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Dimitra Tsionou</i>  14:40 - 15:00
15:00	WP15.3 - Improvements of the DESY test beam infrastructure <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Dimitra Tsionou</i> 15:00 - 15:20
	WP15.5 - Transport system for large objects at Ljubljana JSI TRIGA reactor <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Marko Mikuz et al.</i> 15:20 - 15:40
	WP15.5 - GIF++ Gas System Upgrade <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Roberto Guida</i> 15:40 - 16:00
16:00		
	WP15.5 - IRRAD Facility Infrastructure Upgrade <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Blerina Gkotse</i> 16:30 - 16:50
	WP15.5 - Si for large fluence irradiation monitoring <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Juozas Vaitkus</i> 16:50 - 17:10
17:00	WP15.5 - Cosmic-rays tracker improvements & augmented reality event-display for GIF++ <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Davide Boscherini et al.</i> 17:10 - 17:30
	WP15.5 - Istantaneous dose-rate monitor for GIF++ Facility <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Plamen Stoianov Iaydjiev</i>  17:30 - 17:50
	News about WP15.5 - Cold irradiations at Birmingham Proton Facility <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Richard French</i> 17:50 - 17:55
	News about WP15.4 - Improvements of the test beam infrastructure at INFN-LNF <i>Salle des Conseils- 1213-RC-11, LPNHE</i>	<i>Paolo Valente</i> 17:55 - 18:00
18:00		

Test-beams & Tracking

Irradiation Facilities

Short update from LNF (WP 15.4) and USDF (WP 15.5)