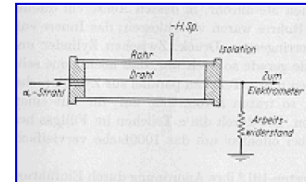


Communications

&

miscellanea



About scientific dissemination

- Publications, talks at conferences (even slides) need to be linked to AIDA2020:

- Always indicate:



- <http://aida2020.web.cern.ch/science/publications>

Publications

Long version:



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 654168.

Short version:



Supported by the H2020 project AIDA-2020, GA no. 654168.

Presentations

For presentations, please use this image:



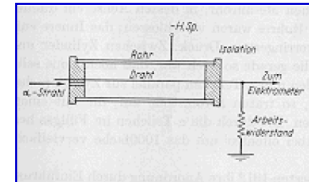
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 654168.



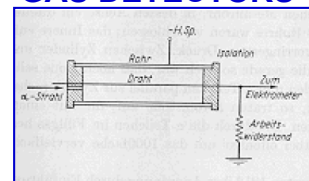
AIDA 2020

REMINDER

Help us keep track of publications, send them to us!



- **WP13 meetings during the last year**
 - 19/10/2018
 - 3/4/2019
- **WP13 reports at the Steering Committee meetings**
 - On 22/11/2018
 - On 24/2/2019



task no		task title	Status	coordinator
13.1	Scientific coordination			S. Dalla Torre, I. Laktineh
13.2.1	Detector progress	new resistive materials for high rate RPCs	already concluded	P. Fonte
13.2.2		development of fast-timing large RPCs	freshly concluded	I. Laktineh
13.2.3		high rate and fine space resolution RPCs operated with eco-gases	continuation in the last year	G. Aielli
13.2.4		development of compact, spark-protected, single amplification-stage, high resolution MPGDs	freshly concluded	G. Bencivenni
13.2.5		HIGH gain MPGDs based on advanced THGEMs and hybrid MPGDs	freshly concluded	S. Dalla Torre
13.3.1	Tools to easy the detector progress	interfacing FE-chips specific to gas detectors to the scalable Read-out System	freshly concluded	E. Oliveri
13.3.2		development of cheap, standard MPGD dedicated laboratory instruments	freshly concluded	E. Oliveri
13.3.3		PCB development using HDI-technology and 3D-mounting of chips for MPGD readout	continuation in the last year	L. Jonsson
13.4.1	Preparation for large series production	Large-size RPC detectors preserving mechanical precision	freshly concluded	H. Kroha
13.4.2		Establishing procedures and tools for large series resistive MICROMEGAS anodes	continuation in the last year	P. Colas
13.4.3		Control of foil/micromesh mechanical tensioning by optical techniques	already concluded	L. Benussi
13.4.4		Quality control tool for detailed gain maps (hole by hole)	freshly concluded	D. Varga
13.4.5		Design of a quality control system to ensure the electrical integrity of electrode patterns by pulse reflection method	already concluded	A. Ranieri
13.4.6		Production protocols of optimised RPC components for easy technology dissemination	already concluded	G. Puglisi
13.4.7		Standard production protocols of optimised MPGD components to facilitate technology dissemination	continuation in the last year	P. Colas



DELIVERABLES & MILESTONES

		related task	month	lead participant
DELIVERABLES				
D13.1	Validation of new resistive materials for RPCs	13.2.1	M36	LIP
D13.2	High-rate characterisation of large-size RPC prototypes	13.2.2	M44	CNRS
D13.3	Optimisation of large-size precise space-resolution RPC structures	13.2.3	M36	INFN
D13.4	Large-size prototype of R-WGEM (a large-size fully engineered and validated prototype of the	13.2.4	M44	INFN
D13.5	Prototype of a large-size high-gain MPGD	13.2.5	M44	INFN
D13.6	Miniaturised HV power supply	13.3.2	M24	CERN
D13.7	Resistive anode manufacturing	13.4.2	M24	CEA
D13.8	MPGD gain map hole-by-hole	13.4.4	M44	WIGNER RCP
MILESTONES				
MS37	Qualification of the new candidate materials for THGEM substrate	13.2.5	M26	INFN
MS52	High-rate RPC prototype ready	13.2.2	M24	CNRS
MS53	Small-size prototype of the R-WGEM built and qualified	13.2.4	M24	INFN
MS54	Integrated FBG sensors for monitoring the mechanical tension of MPGD films and meshes	13.4.3	M24	INFN
MS55	Quality control system to ensure the electrical integrity of electrode patterns	13.4.5	M24	INFN
MS69	Mechanical structure and supports for large, thin	13.4.1	M30	MPG-MPP
MS83	Interfacing the FE chip VMM128, GEMROC, TIMEPI	13.3.1	M36	CERN
MS84	Protocol and specifications for MPGD production and quality control	13.4.7	M36	CEA
MS87	Optical system for the quality assessment of MPGD	13.4.3	M12	INFN
MS93	RPC performance results with eco-friendly gases and use of recirculation gas systems	13.2.3	M44	INFN
MS94	PCB development using HDI-technology and 3D-m	13.3.3	M44	ULUND

Ready now,
still to be reviewed