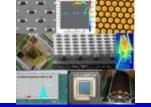




Silvia DALLA TORRE







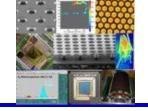
AIDA (FP7) & RD51

 Including the infrastructural upgrade of the MPGD WORKSHOP at CERN in the AIDA programme has offered a fundamental bust towards the new workshop, completed by 2015

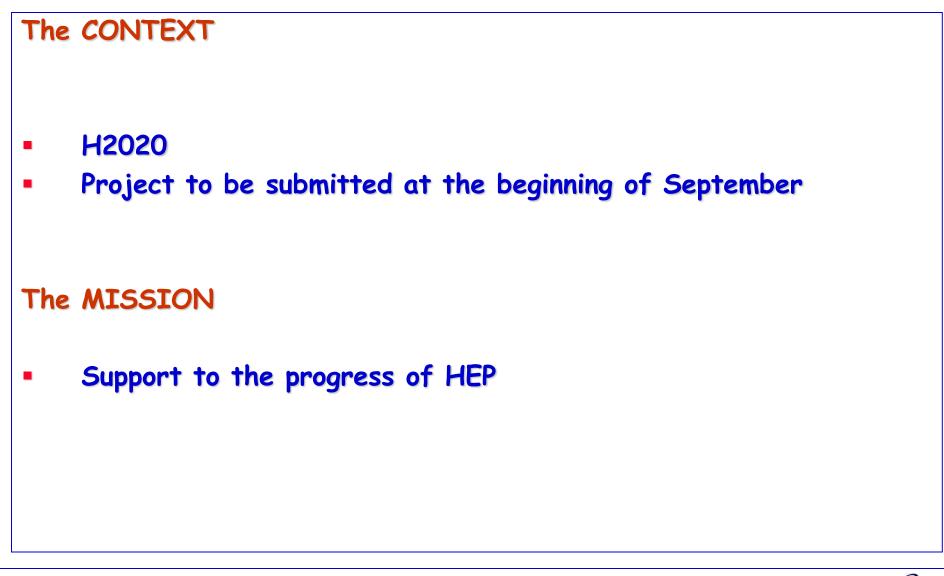
 The RD51 community is grateful to AIDA and to the colleague who made this link possible (Paul Colas)

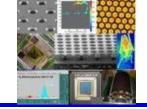








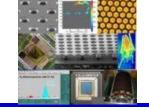




AIDA-2 & GAS DETECTORS

- <u>Two technologies</u> are included in the project, within a single WP, named WP12
 - MPGDs
 - RPCs
- Correspondingly, the WP leaders come from the two scientific communities:
 - Silvia Dalla Torre (MPGDs)
 - Imad Laktineh (RPCs)
- The <u>design of the WP</u> started at the end of February 2014 and it has been concluded at the end of May 2014
 - Remaining: Only refurbishing and administrative tasks

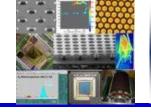




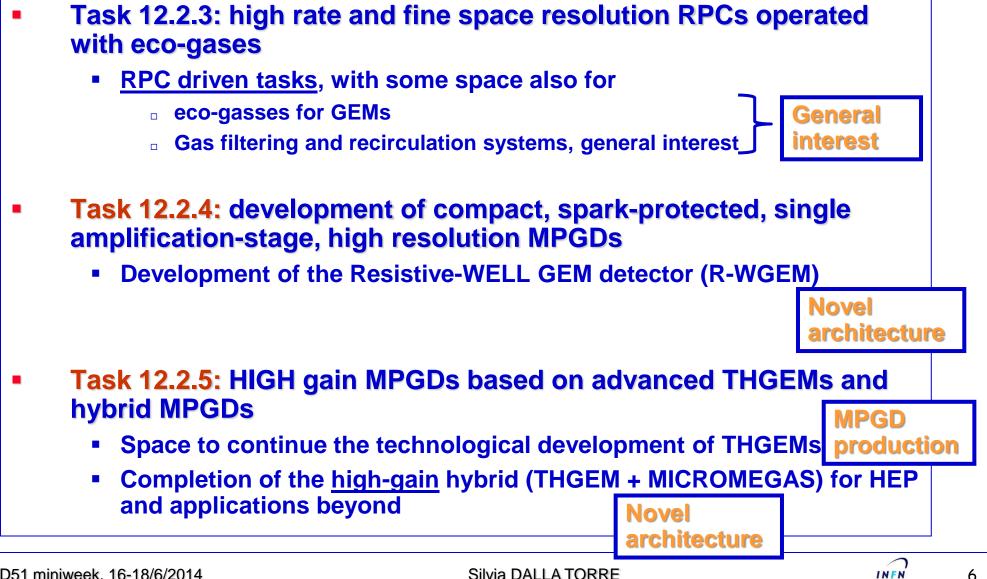
AIDA-2 WP12, structure

- Tasks grouped in 4 chapters:
 - Task 12.1: Coordination and Management
 A must for each WP
 - Tasks 12.2: Detector progress
 - Includes <u>MPGD</u> and <u>RPC</u> tasks
 - Tasks 12.3: Tools to facilitate the detector progress
 Includes <u>MPGD</u> tasks
 - Tasks 12.4: preparation for large series production
 - Includes <u>MPGD</u> and <u>RPC</u> tasks

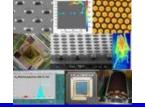
In the following, emphasis to the MPGD tasks



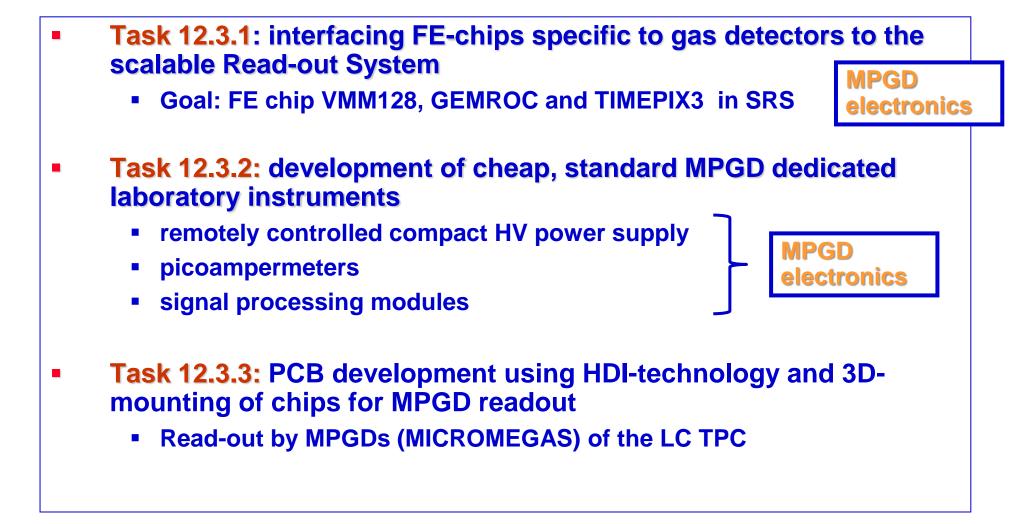
AIDA-2 WP12, MPGDs in tasks 12.2

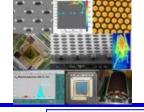


Silvia DALLA TORRE

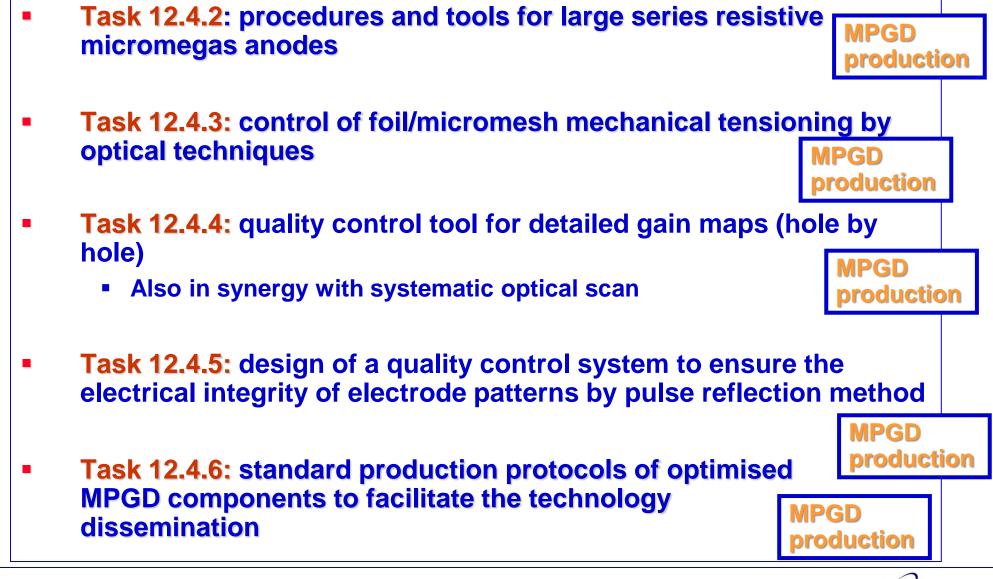


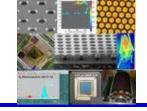
AIDA-2 WP12, MPGDs in tasks 12.3





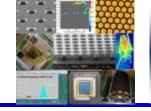
AIDA-2 WP12, MPGDs in tasks 12.4





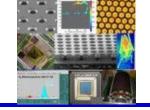
AIDA-2 WP12, who?

- Beneficiaries (MPGD sector):
 - CEA Saclay
 - CERN
 - INFN (Bari, Frascati, Trieste)
 - ULUND
 - Wigner RCP
- Other partners (MPGD sector):
 - Bonn
 - INFN (Bologna)
 - Krakow



AIDA-2 - WP12, sectors of interest

WP12			
<mark>task</mark>	detector	main interest	other interests
12.2.1	RPC	LHC, upgrade2	
12.2.2	RPC	LHC, upgrade2	
12.2.3	RPC	others	general (eco-gas studues)
12.2.4	MPGD	novel architecture development	LHC, upgrade2
			general (THGEM production), THGEMs in calorimetry and large nobel liquid
12.2.5	MPGD	photon detection	detectors
12.3.1	MPGD	general	LC
12.3.2	MPGD	general	LHC, upgrade 1
12.3.3	MPGD	LC	
12.4.1	RPC	LHC, upgrade2	LHC, upgrade 1
12.4.2	MPGD	large size applications	LC (TPC read-out)
12.4.3	MPGD	LHC, upgrade 1	general
12.4.4	MPGD	general	general
12.4.5	MPGD	genaral	LHC, upgrade 1
12.4.6	MPGD	general	LHC, upgrade 2
12.4.7	RPC	others	LHC, upgrade 1



IN CONCLUSION

IF AIDA-2 approved and financed

- A non negligible support to MPGD progress
- The majority of the support is for general purposes, namely in the best RD51 spirit:
 - FE integration in SRS
 - Lab equipment (HV and others)
 - Gas studies and systems
 - A collection of production items:
 - Optimized THGEM production
 - large-size resistive anodes for MICROMEGAS
 - Quality controls (foil/mesh stretching, detailed gain maps)
 - MPGD production protocols

