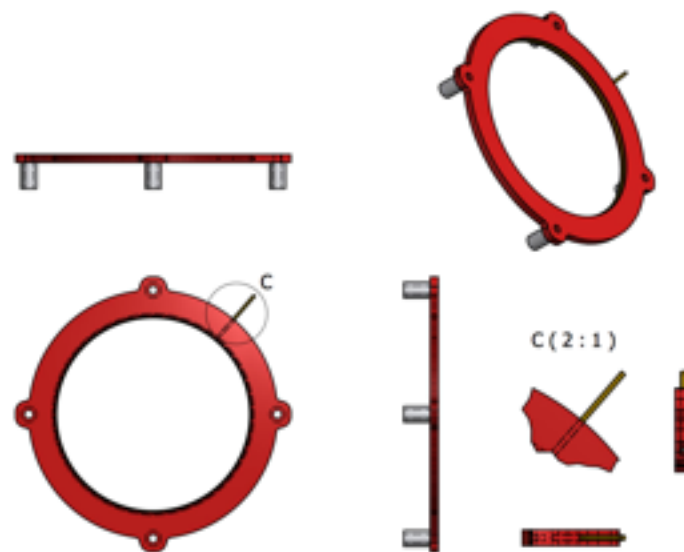
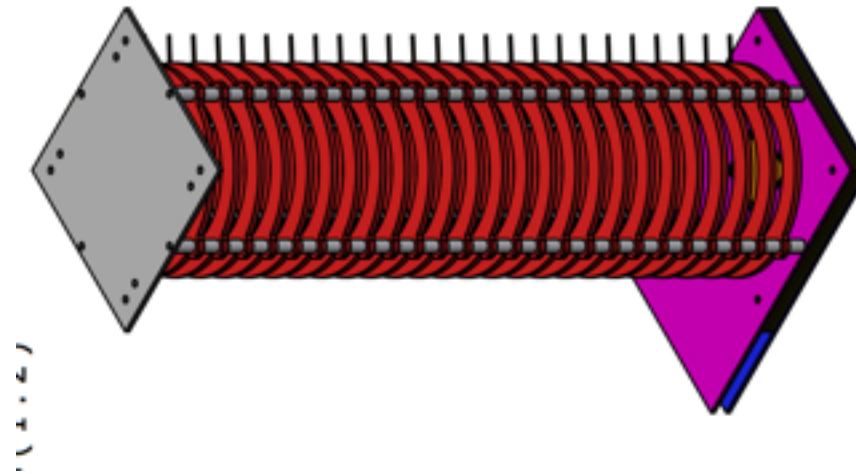


NITEC

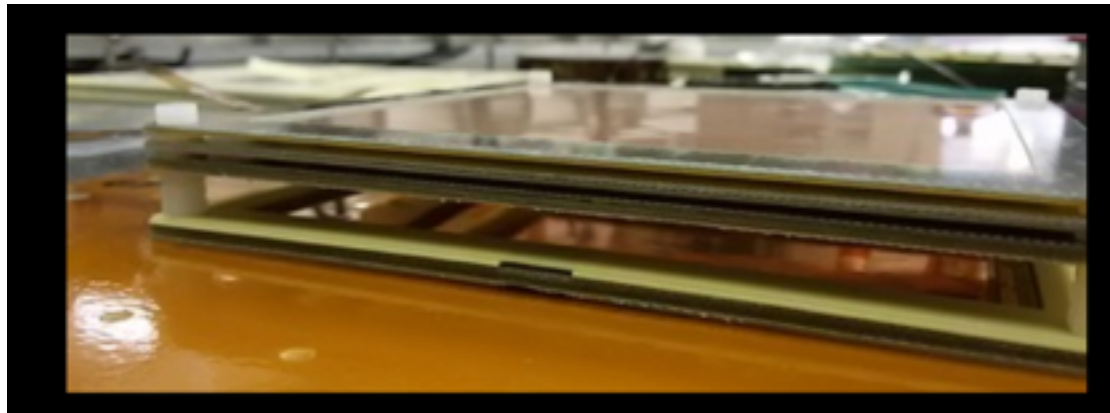
New field cage — prototype “zero” with 3D printer



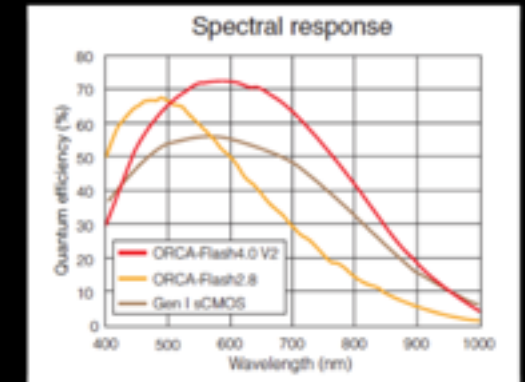
+ working on Ansys Maxwell E field simulation, ready soon

CYGNUS-RD

From the ORANGE project...

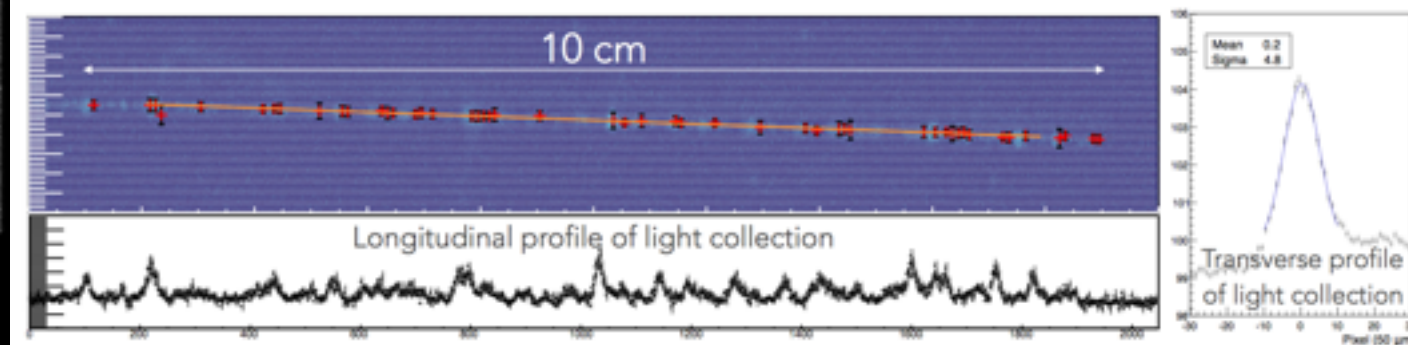
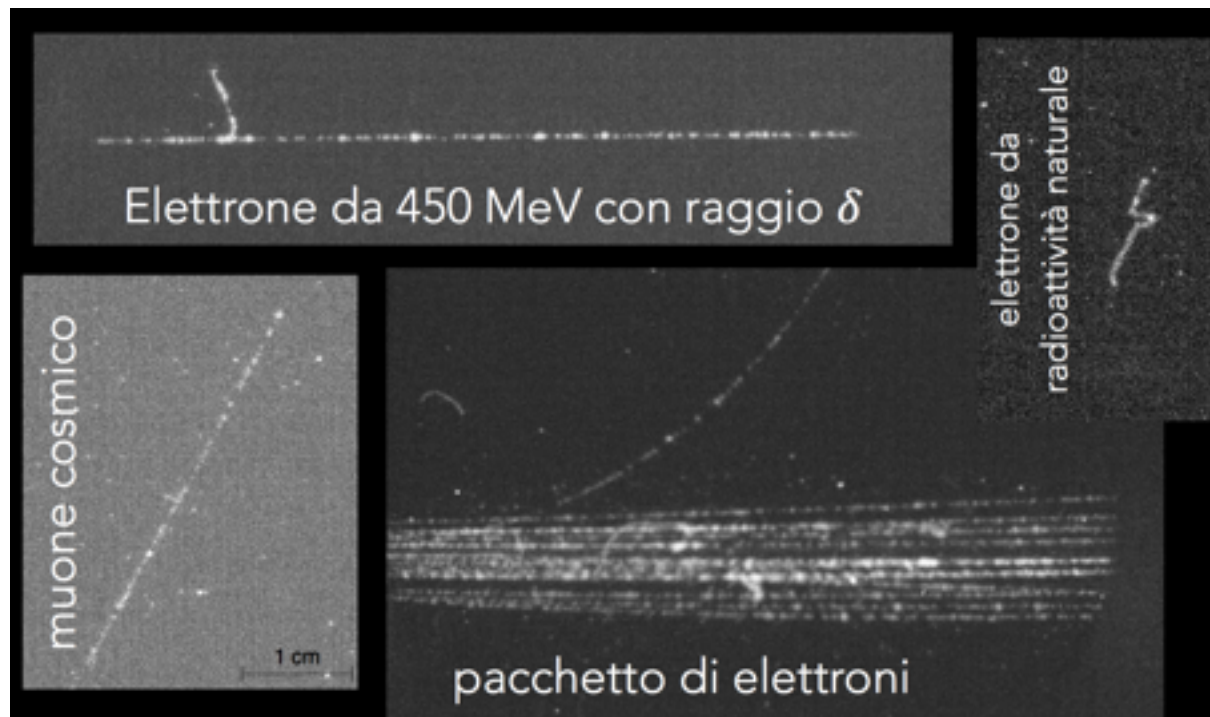


La tecnologia CMOS consente di avere sensori a basso rumore (1-2 elettroni per pixel) ed una QE del 70%;

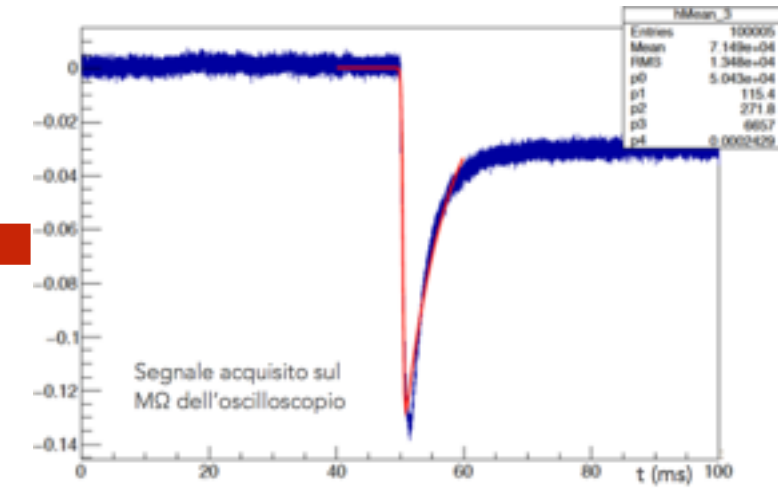
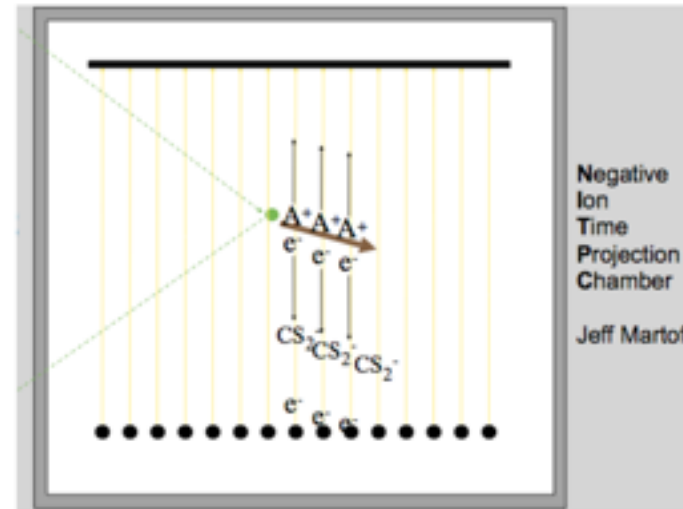
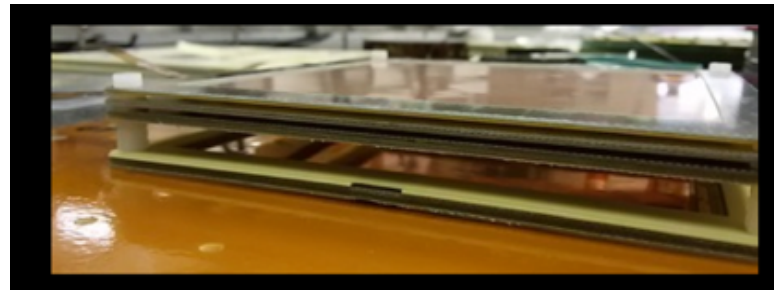


Camera Hamamatsu equipaggiata con obiettivo a grande apertura (f/0.95) e corta distanza focale (20 mm).

ORANGE performances



...to CYGNUS-RD



ORANGE

Negative Ion

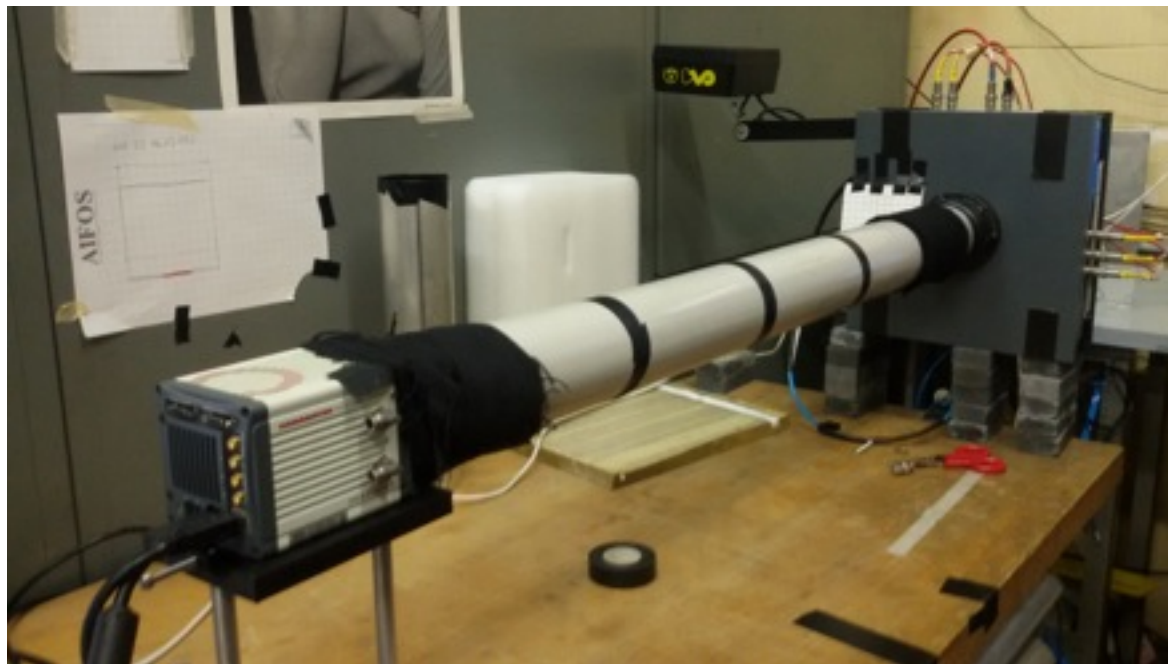
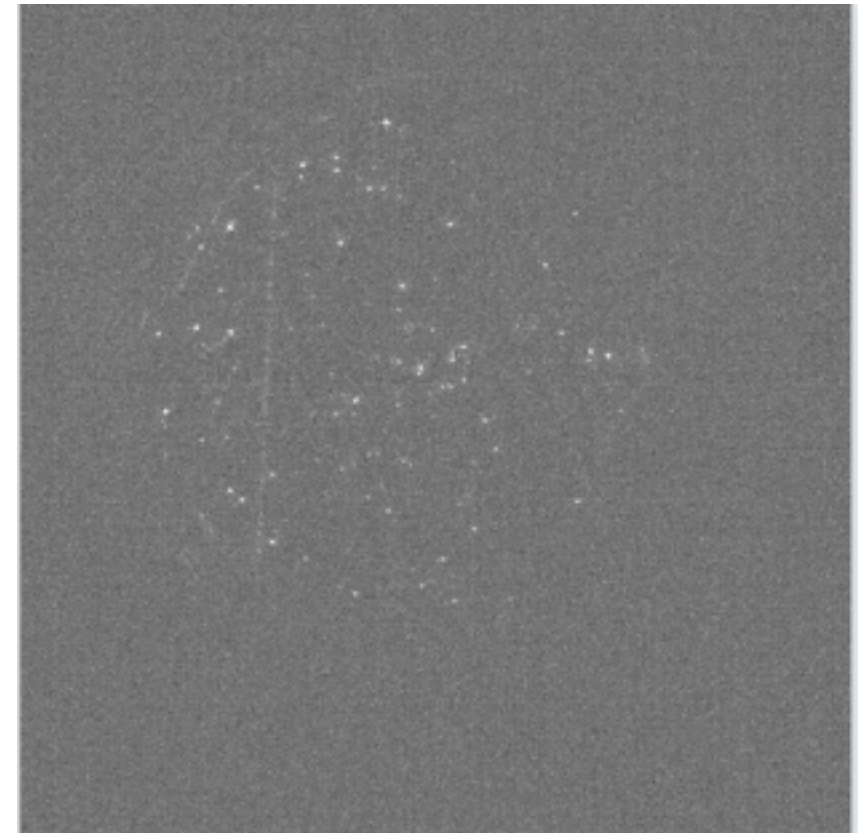
GEM signal readout

RM1	PINCI (RN, RL)	0.2 FTE	1.1 FTE
	CAVOTO	0.2 FTE	
	DI MARCO	0.2 FTE	
	RENGA	0.3 FTE	
	VOENA	0.2 FTE	
LNF	BARACCHINI (RL)	1.0* FTE	1.6 FTE
	MAZZITELLI	0.4 FTE	
	TOMASSINI	0.2 FTE	
	MURTAS	0.0** FTE	
		2.7 FTE	

+ 20k EURO funding

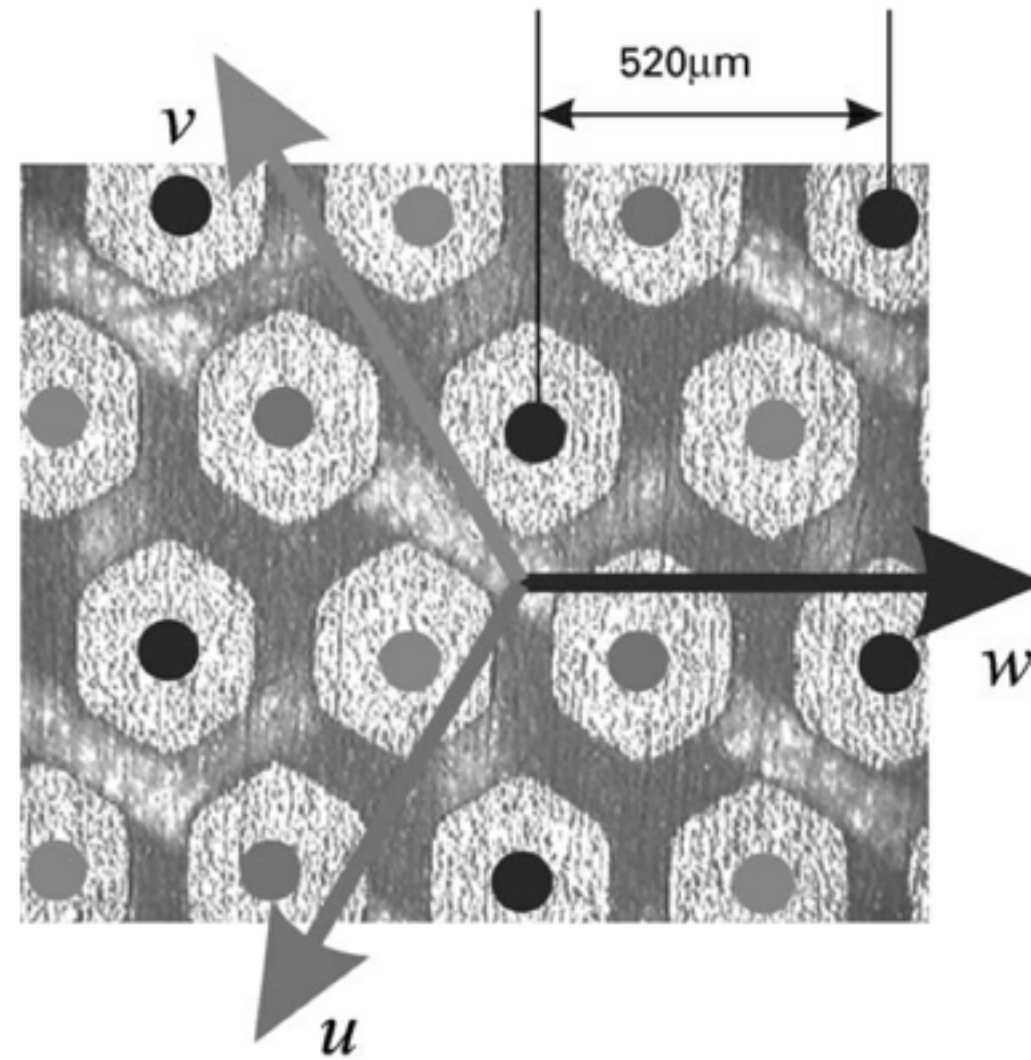
first CYGNUS-RD test

at ~ 55 cm distance



able to detect light up
to ~120 cm distance,
i.e. ~ 60 x 60 cm

In the context of CYGNUS-RD, an alternative charge readout to be funded the second year



the HEXABOARD readout —> see Francesco talk