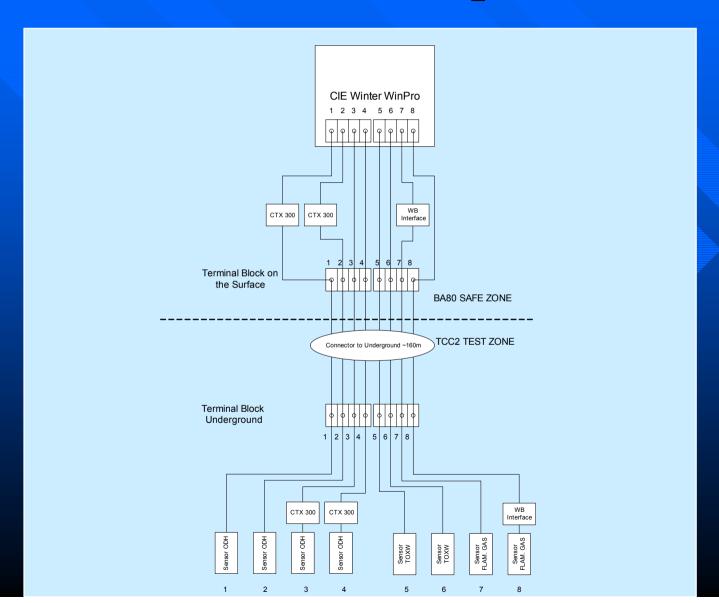
# ODH Detection TCC2 Radiation Tests

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#### Objectives

- 1. Irradiate ODH detectors in a monitored test environment (similar to LHC).
- 2. Study the performance and functionality of the detector (COTS) electronics.
- 3. Qualify/disqualify the ODH detectors for use in LHC.
- 4. Document results and draw conclusions.

## Test Set Up



### Picture Gallery

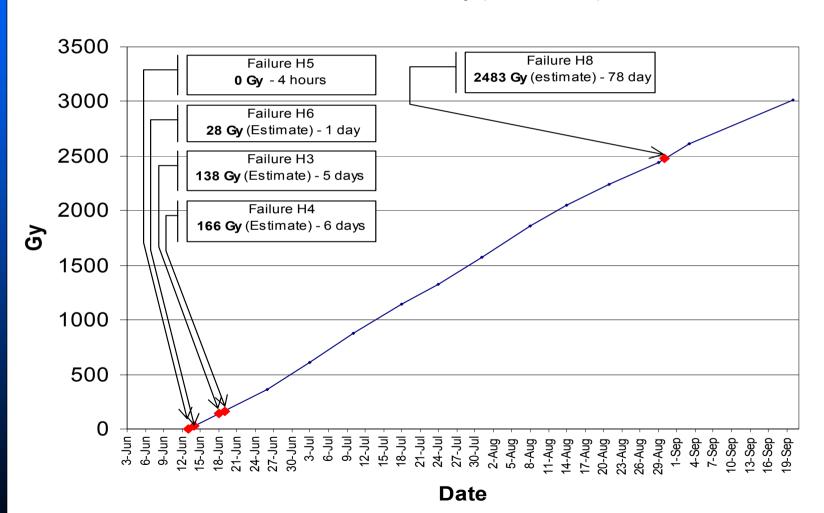


#### Results Table

Head No	Dose to Failure	Days/Hours To Failure	Degradation	Electronics Module
	rantine	TO Tantife		Exposed
H1	-	-	No	No
H2	-	-	No	No
H3	138	5/dys	Yes	Yes
H4	166	6/dys	Yes	Yes
H5	0	4/hrs	Yes	Yes
H6	28	1/dy	Yes	Yes
H7	-	-	No	No
H8	2483	78/dys	<b>▼</b> Yes	Yes 5

#### Graphic Results

Cumulative Dose in Gray (Meter No 3)



#### Conclusions

- 1. ODH Detector electronics were corrupted by the effects of radiation after a short period of time.
- 2. The idea of permanently installing ODH detection in the LHC tunnel is now in question?
- 3. Probably install semi Permanent ODH detection during the LHC «machine open state»?