

DRD6 TB2023 and 2024

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requests connected to DRD6 @ CERN

Location	WP/TASK	TASK	Duration (d)	Comment
PS-T9	1.2.1	AHCAL	14	(calice tag)
	1.3.2	MPGDAL	14	
	3.1.4	OREO	7	
H2	3.1.4	OREO	7	
H6	3.1.2	MAXICC	7	
	3.2.3	RADICAL	7	
H8	3.3.1	DRCal (IDEA-DRC)	7 + 21+1	two groups

general good feedback on beam quality , infrastructure and procedure
data analysis ongoing

7 requests connected to DRD6 @ CERN

WP/task	Task	Beam	Location	Duration (d)
1.3.2	MPGDCAL	pion	PS	14
3.1.1	HGCCAL	e, pion, muon	PS - SPS (H2/H4)	14 + 7
3.1.2	MAXICC	high purity e	SPS (H6)	14
3.1.3	CRILIN	high purity e	SPS (H2/H4)	7 + 7
3.1.4	OREO	high purity e, mixed particles	SPS (H2/H4)	14
3.2.3	RADICAL	high purity e	SPS (H6)	7
3.3.1	DRCal	e, pion, muon	SPS (H8)	7+7+14

Calorimeters:

- heavy object: no particle left after (except muons)
- electron purity call for no material in front

DRD6 would like to setup a dedicated area for all the calorimeter TB in NA

- general HW and SW managed by the dedicated WG
- detector specific HW and SW by the project

General requests

- A large energy range from a few GeV to hundreds of GeV, electrons, pions, muons + other particles
 - most of the time high purity electron beam is needed
- Enough space to host a $\sim 1 \text{ m}^3$ device
- Moving tables (XY + rotation) that can carry devices of several tons
- Beam telescope to determine impact point and reference time
- Threshold Cherenkov counters to distinguish particle species
- Magnets to measure the performance in magnetic fields