

Test-beam 2022 - LUXE-ECAL at DESYII, T24 --- 12.09.2022 - 19.09.2022

TB data size: ~ 600 GB - data from sensors

~ 150 GB - data from telescope

More details about configurations are in the electronic logbook:

<https://docs.google.com/spreadsheets/d/1K9QkbQlfBcAsWyVH-P3xLQp8ignQackvi9lY0btifbU/edit#gid=0>

TB data storage: <https://gofile.me/3uVfL/EUGSguZSt> , access with password (please contact me or Mihai)

Few explanations about each configuration:

1. Calice 75 - Si-----scan map runs: 4417- 4448

5GeV	<- EAST WEST ->								
X position	37.0	26.1	15.00	4.00	-7.0	-18.0	-28.9	-40.00	Y position
	4429	4428	4427	4426	4425	4424	4423	4422	-72.1
	4430	4431	4432	4436	4435	4437	4438	4439	-83
		4446	4445	4444	4443	4442	4441	4440	--94.1
	4447								-99.5

2. Anton1 - GaAs-----scan map runs: 4449- 4492

5GeV	<- EAST WEST ->									
X position	34.4	29.5	19.4	9.6	-1.5	-11.0	-21.5	-26.5	-36.5	Y position
		4478	4481	4482	4485	4486	4489	4490		-74.4
		4479	4480	4483	4484	4487	4488	4491/4492		-84.4
		4474	4473	4468	4467	4462	4461			-94.4
		4475	4472	4469	4466	4463	4460	4438	4439	-104.4
	4477	4476	4471	4470	4465	4464	4459	4458	4457	-114.4

3. Yan1 - GaAs-----scan map runs: 4495 - 4532

5GeV	<- EAST									WEST ->	
X position	34.4	26	16	6	-4	-14.0	-24	-29.0	-31	Y position	
			4508	4509	4518	4519	4528	4529		-74.4	
			4500	4507	4510	4517	4520	4527		4530	-84.4
			4501	4506	4511	4516	4521	4526		-94.4	
			4502	4505	4512	4515	4522	4525		-104.4	
			4503	4504	4513	4514	4523	4524		4531	-114.4

4532 - Long run - (x:y = 1; -94.4)

4. Calice 74 - Si----- scan map - High Gain - runs: 4533 - 4551

5 GeV	<- EAST WEST ->								
X position	39.5	24	6.5	-15.5	-37.5	-18.0	-28.9	-40.00	Y position
RUN NUMBER	4538 4539	4542	4543	4550	4551				-67
		4541	4544	4549	4548				-83.5
		4540	4545	4546	4547				-100.0

5. Calice 72 Si scan map - 4554 - 4589

5 GeV	<- EAST WEST ->								
X position	29.3	18.3	7.3	-3.7	-14.7	-25.7	-36.7	-47.7	Y position
RUN NUMBER	4586	4585	4577	4576	4567	4566	4559	4558	-58
	4587	4583	4578	4575	4568	4565	4560	4557	-69
	4588	4582	4579	4574	4569	4564	4561	4556	-80
	4589	4581	4580	4573	4570	4563	4562	4555	-91

High
statistic run

6. Calice 74 -Si-----with 5 tungsten planes - scan map, runs: 4594 - 4672

5 GeV	<- EAST			WEST ->					
X position	38.5	27.5	16.5	5.5	-5.5	-16.5	-27.5	-38.5	Y positition
RUN NUMBER	4602	4601	4600	4599	4598	4597	4596	4595	-67.5
	4603	4604	4605	4606	4607	4608	4609	4610	-78.5
	4619	4617	4616	4615	4614	4613	4612	4611	-89.5
	4620	4621	4622	4623	4624	4625	4626	4627	-100.5

[illegible][illegible]

7. BeamCal - GaAs - scan map, runs: 4673 - 4681

5 GeV	<- WEST EAST ->					
X position		15	7.5	0	Y positition	
RUN NUMBER	4676				-57.1	^ DOWN UP v
	4673-4675				-77.1	
					-89.6	
	4678 4680-4681 4677				-102.7	

8. Yan 1 -GaAs -- with 5 tungsten scan map, diff. energies (5, 3, 1) GeV, runs: 4682 - 4714

5 GeV	<- WEST EAST ->					
X position	-19	-4	11	26	Y positition	
RUN NUMBER	4701	4696	4695	4690	-76.7	^ DOWN UP v
	4700	4697	4694	4691	-91.7	
	---	---	---	4692	-106.7	
	4699	4698	4693	4702	-111.7	
3 GeV						
X position	-19	-4	11	26	Y positition	
RUN	---	---	4705	4704	-76.7	
NUMBER	---	---	4706	4703	-106.7	
1 GeV						
X position	-19	-4	11	26	Y positition	
RUN	4712	4711	4710	4709	-76.7	
NUMBER	4713	4714	4707	4708	-106.7	

9. Yan1 - GaAs---with 15 tungsten planes - same position for diff. X0; runs: 4715 - 4731

10. Calice 74 -Si---with 15 tungsten planes - same position for diff. X0; runs: 4732 - 4749