

CNAO DOSE DELIVERY LOG

DD directory	NOTE	TARGET	DD log file	type	energy	#primaries	time	PRIMARY PARTICLE	ARMS run number	DP run number	#events DP	#tracks reco	#tracks from target	tracks from target/pencil beam
20170723	empty		Fix25_C_C_20170723_072522_QA											
		PMMA	Fix25_C_C_20170723_072926_QA	FIX (0,0)	115	50000083802		12C	16					
		PMMA	Fix25_C_C_20170723_082358_QA	FIX (0,0)	151	49999143423			17					
		PMMA	Fix25_C_C_20170723_090427_QA	FIX (0,0)	221	49999193513	1928.94		18					
	empty		Fix25_C_C_20170723_094153_QA											
	Dichiarato 280 MeV per gli arm	PMMA	Fix25_C_C_20170723_094346_QA	ENERGY SCAN (2)	280 -> 273	49999716246			19					
	Missing run 20	PMMA			352									
	Missing run 21-30													
	empty		Fix25_C_C_20170723_101850_QA											
	empty		Fix25_C_C_20170723_112643_QA											
	empty		Fix3_C_C_20170723_114842_QA											
	empty		Fix25_C_C_20170723_115636_QA											
	empty		Fix25_C_C_20170723_123947_QA											
	empty		Fix25_C_C_20170723_124332_QA											
	empty		Fix25_C_C_20170723_124935_QA											
	empty		Fix2_C_C_20170723_144607_QA											
	empty		Fix10_C_C_20170723_161331_QA											
		GRAPHITE	Fix25_C_C_20170723_171111_QA	FIX (0,0)	115	49999320898			31					
		GRAPHITE	Fix25_C_C_20170723_180040_QA	FIX (0,0)	151	49999106821	1789.62		32					
		GRAPHITE	Fix25_C_C_20170723_183323_QA	FIX (0,0)	221	49999579868	1622.71		33					
	Dichiarato 280 MeV per gli arm	GRAPHITE	Fix25_C_C_20170723_190248_QA	ENERGY SCAN (2)	280 -> 273	50000002326			34					
		GRAPHITE	Fix25_C_C_20170723_193109_QA	FIX (0,0)	352	49999209578	1910.75		35					
		NIENTE	Fix25_C_C_20170723_204928_QA	FIX (0,0)	352	49999776343	1610.43		36					
	empty		Fix25_C_C_20170723_212035_QA											
	empty		Fix25_C_C_20170723_213037_QA											
		NIENTE	Fix25_C_C_20170723_215018_QA	FIX (0,0)	221	25000081063	733.464	12C	39					
		NIENTE	Fix25_C_C_20170723_220614_QA	FIX (0,0)	151	24999880550	833.597		40					
		NIENTE	Fix25_C_C_20170723_222231_QA	FIX (0,0)	115	24999917991	1191.48		41					
	empty		Fix25_C_C_20170723_224408_QA											
		SCINT	Fix25_C_C_20170723_230126_QA	FIX (0,0)	115	49999061163	2098.61		42					
		SCINT	Fix25_C_C_20170723_233808_QA	FIX (0,0)	151	49999656668	1588.11		43					
	empty		Fix50_C_C_20170723_042617_QA											
	empty		Fix50_C_C_20170723_050614_QA											
	empty		Fix50_C_C_20170723_054126_QA											
	empty		Fix50_C_C_20170723_061527_QA											
20170724	empty		Fix25_C_C_20170724_215318_QA											
	empty		Fix25_C_C_20170724_222252_QA											
	empty		Fix25_C_C_20170724_223849_QA											
	empty		Fix25_C_C_20170724_000628_QA											
		SCINT	Fix25_C_C_20170724_001027_QA	FIX (0,0)	221	50000413118	1404.20		44					
		SCINT	Fix25_C_C_20170724_003549_QA	FIX (0,0)	280	49999306950	1514.71		45					
		SCINT	Fix25_C_C_20170724_010505_QA	FIX (0,0)	352	49999319314	1530.38		46					
	empty		Fix25_C_C_20170724_014040_QA											
	Run FISICO MEDICO CNAO		Fix30_P_P_20170724_040039_QA	ENERGY SCAN (30)	62 -> 227	29999942611	73.7548	PROTON						
	Run FISICO MEDICO CNAO		Paint70_P_P_20170724_040544_QA	GRID XY 28.5 x 28.5 mm2, STEP 3mm	97	39998888978	54.3873							
	Run FISICO MEDICO CNAO		Fix31_C_C_20170724_041332_QA	ENERGY SCAN (31)	115 -> 399	1549895020	101.423	12C						
	Run FISICO MEDICO CNAO		Paint90_C_C_20170724_042040_QA	GRID XY 29 x 29 mm2, STEP 2mm	209	1800046359	49.1508							
	Run FISICO MEDICO CNAO		Paint90_C_C_20170724_042355_QA	GRID XY 29 x 29 mm2, STEP 2mm	209	1799906862	48.7832							
	Run FISICO MEDICO CNAO		Grid90_C_C_20170724_042617_QA	Grid XY (-29,29)mm, STEP 2mm + GRID XY (-100,100)mm, STEP 100mm + A=(0,70) mm + B=(0,-70) mm	209	2120117506	60.4501							
20170725	empty		A170502_P_20170725_090727_B1	empty				PROTON						
		RANDO	Fix1_C_C_20170725_001815_QA	FIX (0,0)	151	999991234	30.6580	12C	82	67810	59637	37836		
		RANDO	Fix1_C_C_20170725_002202_QA	FIX (0,0)	151	999991246	28.3661		83	67540	59294	37543		
		RANDO	Fix1_C_C_20170725_002359_QA	FIX (0,0)	151	999991681	28.2129		84	67065	59023	37542		
	bomba	RANDO	Fix1_C_C_20170725_002724_QA	FIX (0,0)	221	999981755	27.3088		85					
	bomba	RANDO	Fix1_C_C_20170725_003759_QA	FIX (0,0)	221	1000002121	27.1900		86					
		RANDO	Fix1_C_C_20170725_004120_QA	FIX (0,0)	221	999983480	27.0669		87	108555	100786	79421		
		RANDO	Fix1_C_C_20170725_004341_QA	FIX (0,0)	280	999951209	26.7629		88	126260	118370	100053		
		RANDO	Fix1_C_C_20170725_004610_QA	FIX (0,0)	280	999982953	26.4554		89	125130	117121	99166		
		RANDO	Fix1_C_C_20170725_005207_QA	FIX (0,0)	280	1000004719	26.3676		90	124155	116202	98377		
		RANDO	GenericSpt50_C_C_20170725_010915_QA	FIX (-30,-30)	151	899992110	26.9004		91	68300	62599	44048		
		RANDO	GenericSpt50_C_C_20170725_011132_QA	FIX (-30,-30)	151	900008443	26.2219		92	67430	61835	43315		
		RANDO	GenericSpt50_C_C_20170725_011343_QA	FIX (-30,-30)	151	899977502	26.2039		93	67150	61331	43117		
		RANDO	GenericSpt100_C_C_20170725_011607_QA	FIX (-30,-30)	221	899985125	23.5827		94	102420	95818	76566		
		RANDO	GenericSpt100_C_C_20170725_011828_QA	FIX (-30,-30)	221	900003631	23.1971		95	101775	95197	76162		
		RANDO	GenericSpt100_C_C_20170725_012025_QA	FIX (-30,-30)	221	900001920	23.6113		96	98445	91240	72359		
		RANDO	GenericSpt150_C_C_20170725_012243_QA	FIX (-30,-30)	280	900004249	22.4862		97	109550	102027	85579		
		RANDO	GenericSpt150_C_C_20170725_012444_QA	FIX (-30,-30)	280	899948278	22.6623		98	111155	103702	86785		

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		RANDO	GenericSpt150_C_C_20170725_012635_QA	FIX (-30,-30)	280	899985321	22.3007			99	107345	99814	83597	
		RANDO	SOBP(120-180)_C_20170725_013521_QA	SOBP	246 -> 312	7692497681				100	1072655	1000667	850373	
		RANDO	SOBP(120-180)_C_20170725_014153_QA	SOBP	246 -> 312	7692479810				101	1062365	988394	841207	
	DP@60°	RANDO	Fix1_C_C_20170725_021448_QA	FIX (0,0)	151	999992934	30.8276			102	58580	56038	35989	
	DP@60°	RANDO	Fix1_C_C_20170725_021657_QA	FIX (0,0)	151	999991239	30.8125			103	59105	56578	36496	
	DP@60°	RANDO	Fix1_C_C_20170725_021906_QA	FIX (0,0)	221	999994176	27.4010			104	116690	112569	95112	
	DP@60°	RANDO	GenericSpt150_C_C_20170725_022220_QA	FIX (-30,-30)	280	899983140	22.4391			105	119935	116171	102659	
	Run FISICO MEDICO CNAO		Fix31_C_C_20170725_025045_QA	ENERGY SCAN (31)	115 -> 399	1549883179				?				
	Run FISICO MEDICO CNAO		Fix30_P_P_20170725_025550_QA	ENERGY SCAN (30)	62 -> 227	30000047393		PROTON		?				
	Run FISICO MEDICO CNAO		Grid101_P_P_20170725_033127_QA	Grid XY (-28.5,28.5)mm, STEP 3mm + GRID XY (-100,100)mm, STEP 100mm + A=(0,70) mm + B=(0,-70) mm	118	63998704992				?				
	Run FISICO MEDICO CNAO		Paint130_C_C_20170725_034038_QA	GRID XY 29 x 29 mm2, STEP 2mm	256	1800176767		12C		?				
	empty		Fix15_C_C_20170725_214911_QA	empty										
	empty		Fix15_C_C_20170725_215204_QA	empty										
	Missing run 106 (target Graphite)													
		SCINT	GenericSpt30_C_C_20170725_221152_QA	FIX (-50,0)	115	14999747483	674.347			56	107			
		SCINT	GenericSpt50_C_C_20170725_222604_QA	FIX (-50,0)	151	14999983138	516.680			57	108			
		SCINT	GenericSpt100_C_C_20170725_223647_QA	FIX (-50,0)	221	9999966595	294.585			58	109			
		SCINT	GenericSpt150_C_C_20170725_224408_QA	FIX (-50,0)	280	9999839543	313.805			60	110			
		SCINT	GenericSpt220_C_C_20170725_225205_QA	FIX (-50,0)	352	9999952972	376.012			61	111			
		GRAPHITE	GenericSpt30_C_C_20170725_231917_QA	FIX (-50,0)	115	9999958507	439.609			62	112			
		GRAPHITE	GenericSpt50_C_C_20170725_232856_QA	FIX (-50,0)	151	9999884980	326.254			63	113			
		GRAPHITE	GenericSpt100_C_C_20170725_233638_QA	FIX (-50,0)	221	9999874194	291.110			64	114			
		GRAPHITE	GenericSpt150_C_C_20170725_234457_QA	FIX (-50,0)	280	999995379	290.231			65	115			
		GRAPHITE	GenericSpt220_C_C_20170725_235158_QA	FIX (-50,0)	352	9999966159	480.129			66	116			
20170726	one of this two runs is not registered	PMMA	GenericSpt30_C_C_20170726_002138_QA	FIX (-50,0)	115	9999940551	500.354	12C		67	117			
	NDD				115					68				
		PMMA	GenericSpt30_C_C_20170726_003141_QA	FIX (-50,0)	115	9999917212	488.236			69				
	same run number but different run name (see energy)	PMMA	GenericSpt50_C_C_20170726_004150_QA	FIX (-50,0)	151	9999906489	354.094			70	118			
		PMMA	GenericSpt100_C_C_20170726_004934_QA	FIX (-50,0)	221	9999891450	327.045			71	118			
		PMMA	GenericSpt150_C_C_20170726_005638_QA	FIX (-50,0)	280	9999782769	339.896			72	-			
		PMMA	GenericSpt200_C_C_20170726_010413_QA	FIX (-50,0)	332	9999859537	572.876			73	-			
		RANDO	Fix10_C_C_20170726_022241_QA	FIX (0,0)	221	999995550	37.1701			74	119	93940	86754	72555
		RANDO	Fix10_C_C_20170726_022741_QA	FIX (0,0)	221	999971860	36.8769			75	120	93300	86404	71924
	NDD	RANDO			221					76				
		RANDO	Fix10_C_C_20170726_023130_QA	FIX (0,0)	221	9999864909	325.274			77	121	894435	826984	690571
	NDD	RANDO			221					78				
	empty		Fix10_C_C_20170726_023934_QA	FIX (0,0)	-	0	-							
		PHANTOM	Fix10_C_C_20170726_031555_QA	ENERGY SCAN (2)	221 -> 280	3999934080	127.266			122				