

ETH measurements with phantoms - April 26th - 29th, 2010

	Phantom	Comments	Goal	Runs	Approx. Stat [*]
1	Derenzo, without inserts	fixed $\Delta t = 60$ sec	Counting curve	3922 - 3986	
2	Capillaries I (3 cap)	fixed Nevts = 3M	Reconstr.	3966 - 3984	5.0 x10 ⁷ (tot) 1.5 x10 ⁷ (gold)
3	Capillaries II (8 cap)	fixed $\Delta t = 1000$ sec	Reconstr.	3991 - 4008	7.6 x10 ⁷ (tot) 2.2 x10 ⁷ (gold)
4	Capillaries III (3 cap)	fixed $\Delta t = 800$ sec	Reconstr.	4011 - 4029	6.0 x10 ⁷ (tot) 1.9 x10 ⁷ (gold)
5	Derenzo with inserts	fixed $\Delta t = 700$ sec	Reconstr.	4033 - 4051	5.8 x10 ⁷ (tot) 1.8 x10 ⁷ (gold)
6	Derenzo, without inserts (x4)	fixed Nevts = 8x10 ⁵ 4 repeated scans	Reconstr.	#1: 4052-4069 #2: 4070-4087 #3: 4088-4105 #4: 4106-4123	5.8 x10 ⁷ (tot) 1.8 x10 ⁷ (gold)
7	Derenzo, without inserts (x10)	fixed $\Delta t = 300$ sec (night run) 10 repeated scans	Reconstr.	#1: 4126-4143 #2: 4144-4161 #3: 4162-4179 #4: 4180-4197 #5: 4198-4215 #6: 4216-4233 #7: 4234-4251 #8: 4252-4269 #9: 4270-4287 #10: 4288-4305	
8	Derenzo, with inserts (x2)	Time adjusted independently for each step (calculations based on initial activity + parametrised curves from the counting curve from the Derenzo without inserts) 2 repeated scans	Reconstr.	#1: 4307-4324 #2: 4325-4342 (+ 4344)	
9	Mouse Phantom (x10)	fixed $\Delta t = 300$ sec (night run) 10 repeated scans	Reconstr.	#1: 4348-4365 #2: 4366-4383 #10: 4510-4527	
10	One capillary	Capillary moved in different positions of the FOV	Accidental studies		

[*] Approximate statistics estimated by the average number of events per run, out of all the runs in the scan.