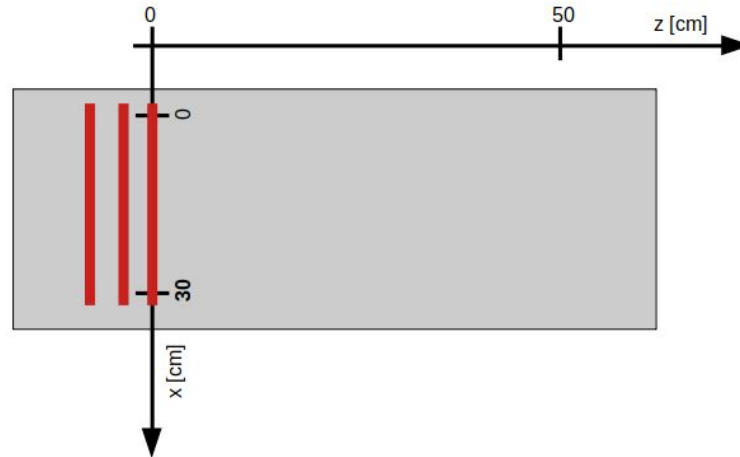
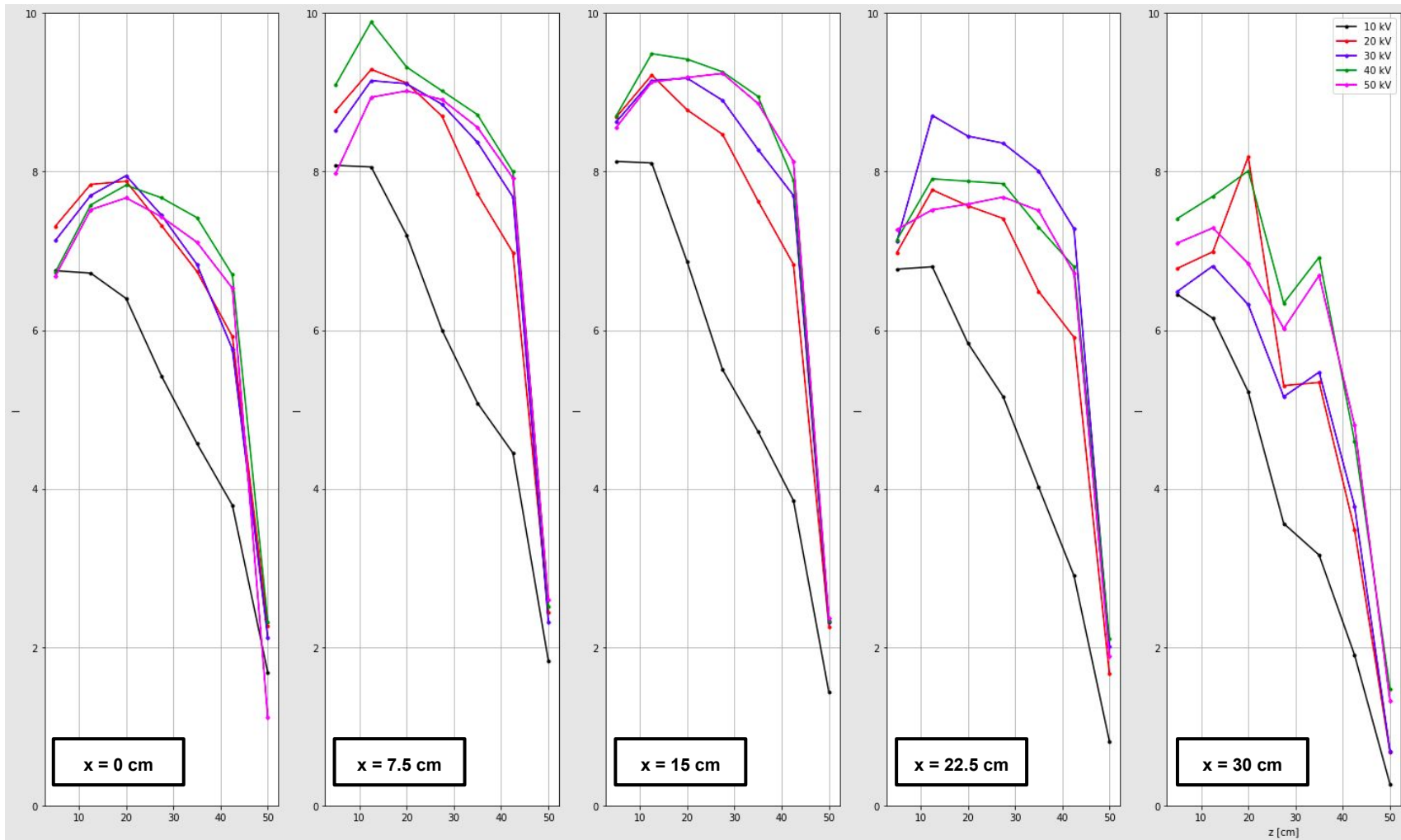


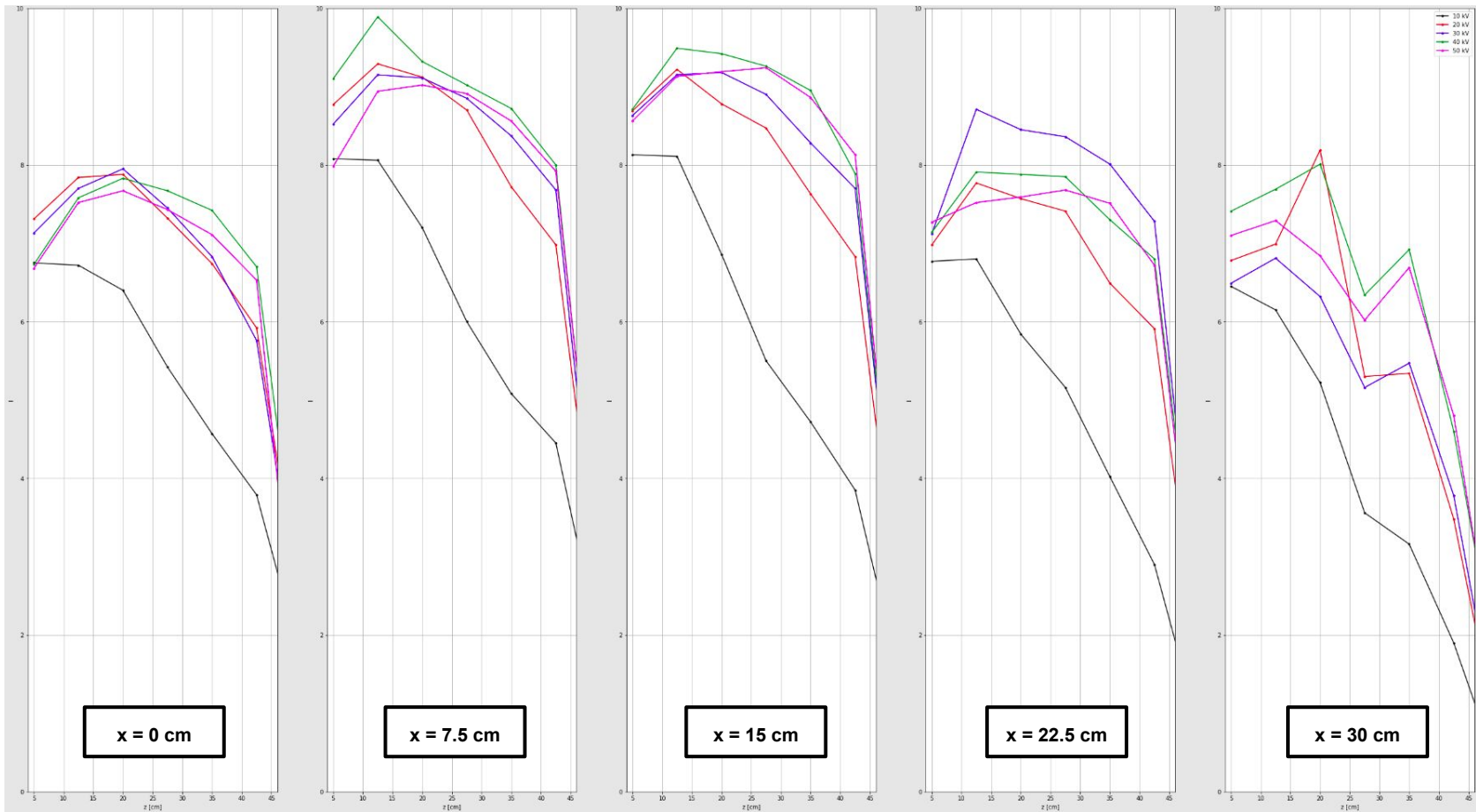
Test of uniformity response with ^{137}Cs

Using a ^{137}Cs source the total amount of photon on the sensitive area was evaluated with Hokawo;
The behaviour of the mean number of photons per pixel is studied in different conditions:

- The source had been put in different position;
- The field cage voltage had been set with different value (10 kV, 20 kV, 30kV, 40kV, 50kV);
- The V_GEMs had been set to 440 V



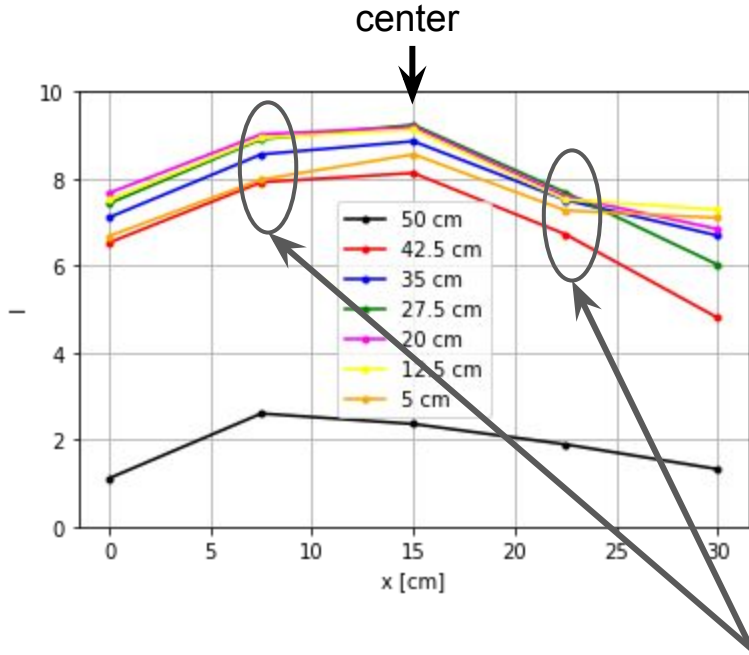




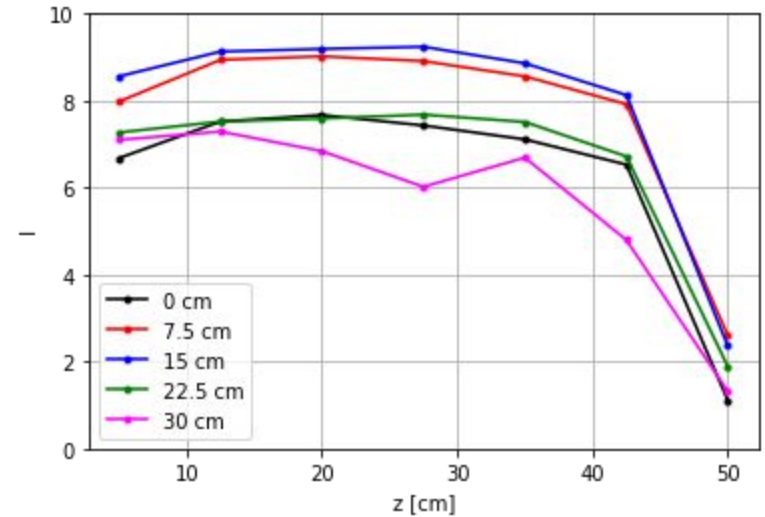
	10 kV		20 kV		30 kV		40 kV		50 kV	
x [cm]	mean	rms/mean	mean	rms/mean	mean	rms/mean	mean	rms/mean	mean	rms/mean
0	5.60	22%	7.17	10%	7.13	11%	7.32	6.7%	7.16	6.5%
7.5	6.47	24%	8.43	11%	8.61	6.4%	9.01	7%	8.56	5.8%
15	6.19	29%	8.27	11%	8.64	6.6%	8.95	6.7%	8.85	4.9%
22.5	5.24	30%	7.03	10%	7.98	8.2%	7.48	6.2%	7.38	4.8%
30	4.40	41%	6.02	27%	5.67	20%	6.83	18%	6.46	14%

field cage = 50 kV

Mean number of photon per pixel at the same z

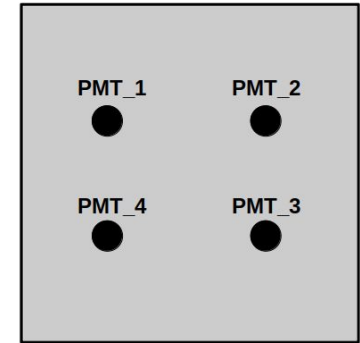
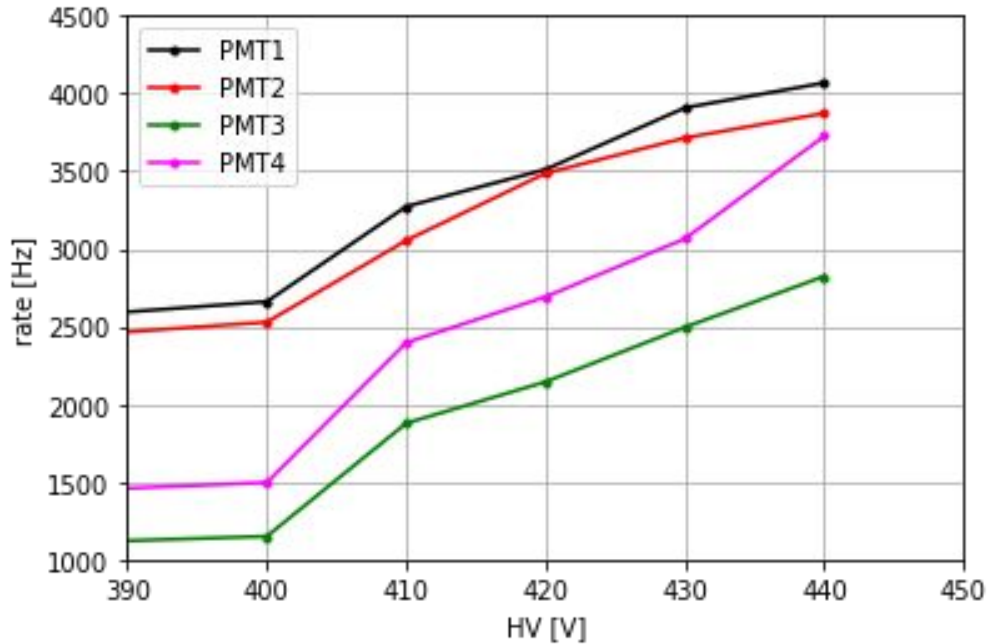


Mean number of photon per pixel at the same x



Asymmetry between left and right is shown

The PMT rate using a ^{55}Fe source at position 26cm and the asymmetry between left and right is shown



LEFT	RIGHT
$(\text{PMT1}(440 \text{ V}) + \text{PMT4}(440 \text{ V})) / 2$	$(\text{PMT2}(440 \text{ V}) + \text{PMT3}(440 \text{ V})) / 2$
3897.35 Hz	3348.39 Hz
$(\text{PMT1}(390 \text{ V}) + \text{PMT4}(390 \text{ V})) / 2$	$(\text{PMT2}(390 \text{ V}) + \text{PMT3}(390 \text{ V})) / 2$
2078.2 Hz	1838.95 Hz