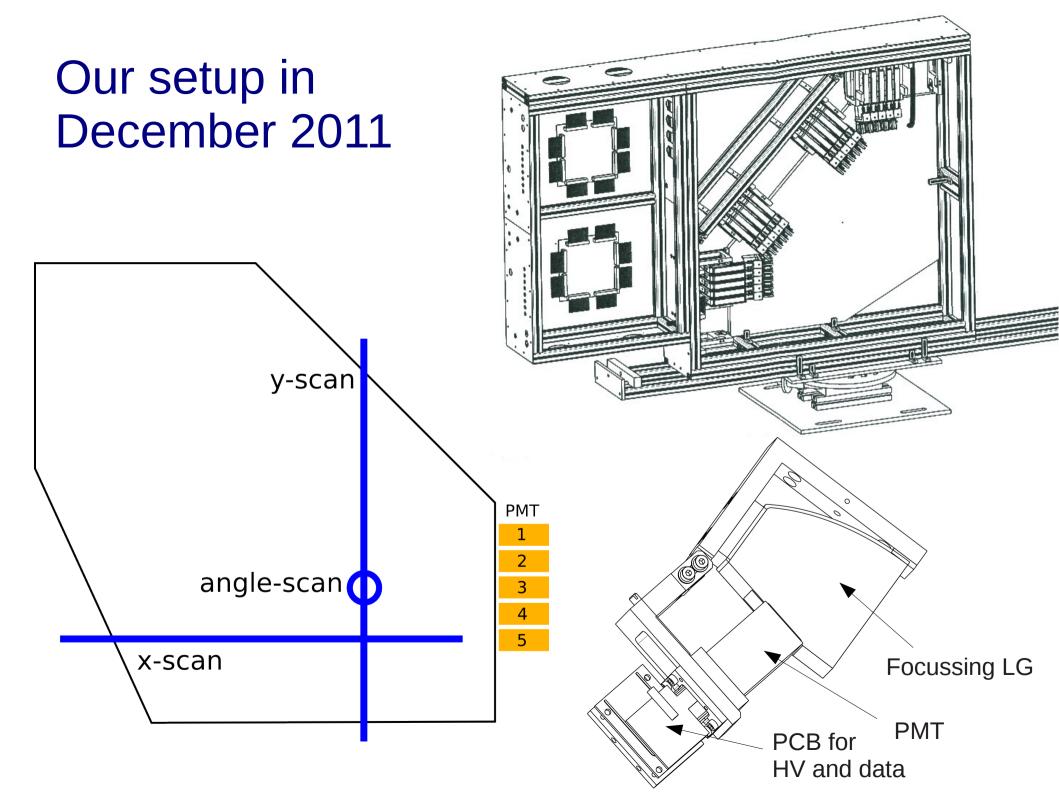
Summary of Giessen Testbeam Results

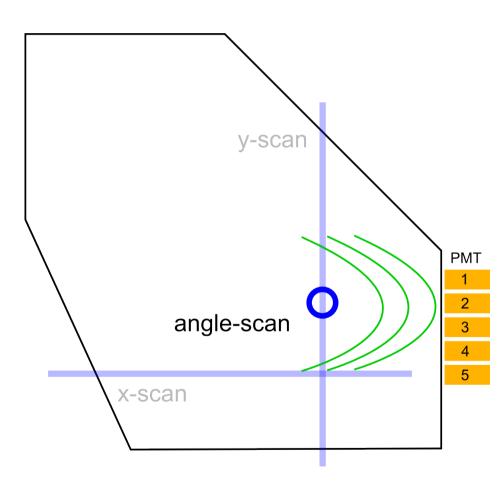
Peter Koch on behalf of AG Düren

Panda Coll. Meeting XL Mar 5 - Mar 9, 2012



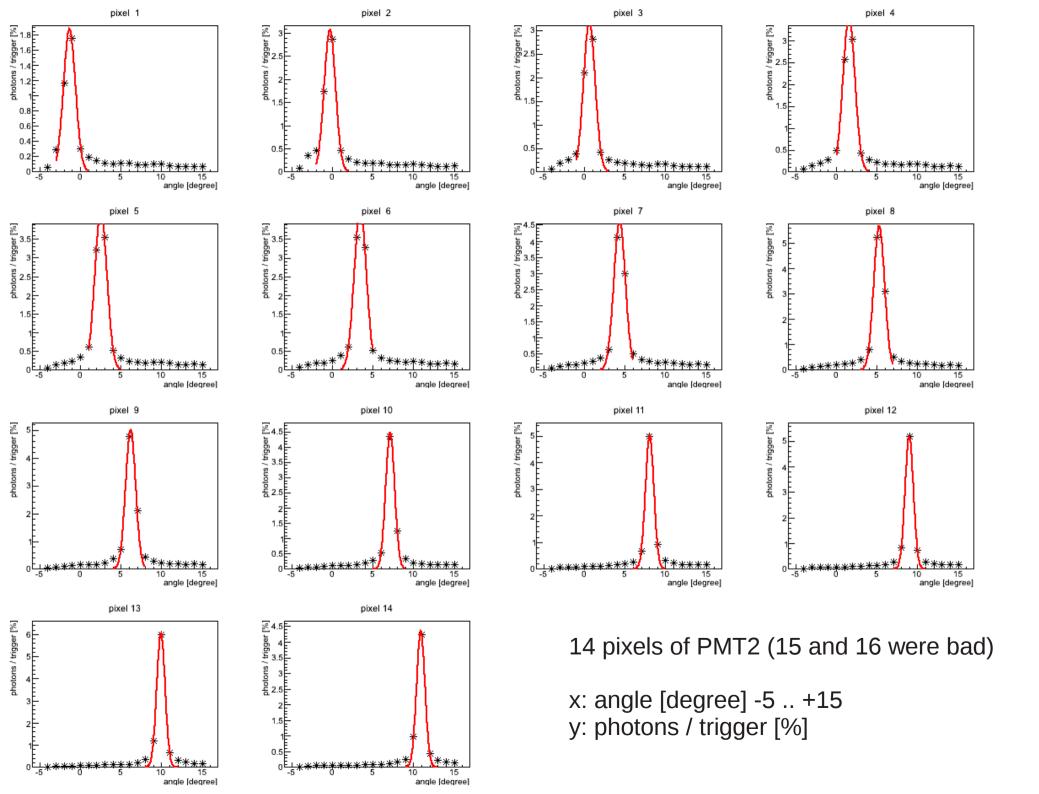


Angle Scan in front of PMT 2

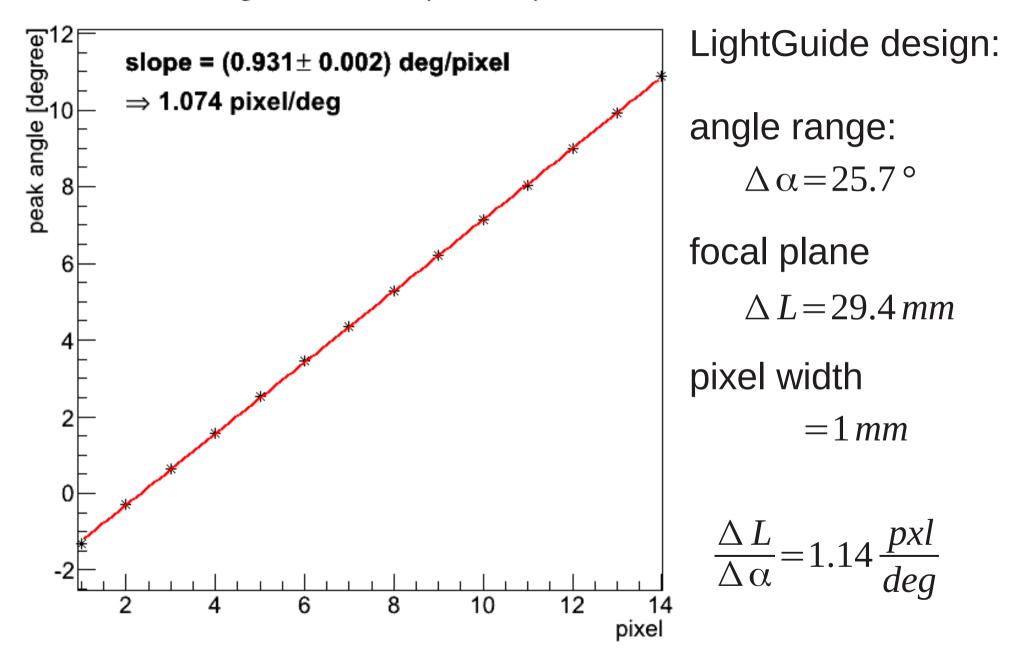


for each pixel and each angle:

- plot time spectrum "trigger – signal"
- fit the peak
- calculate number of entries
- plot that number as function of angle



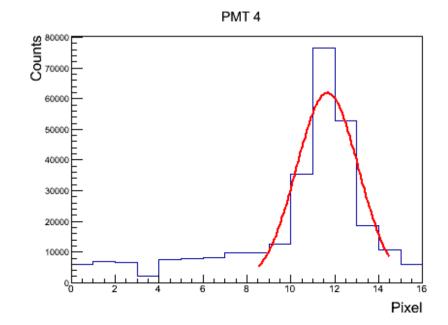
Angle vs Pixel (PMT 2)

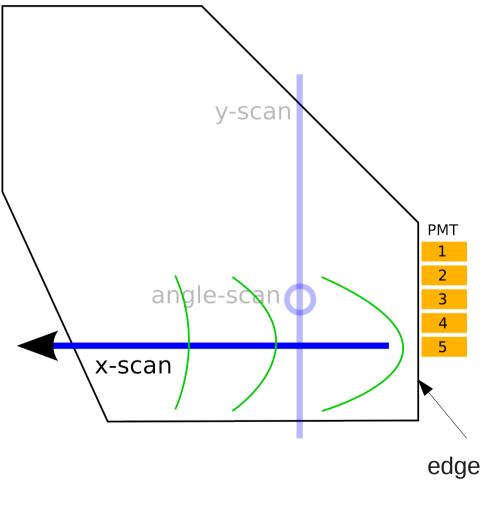


x-Scan in front of PMT 1 and 5

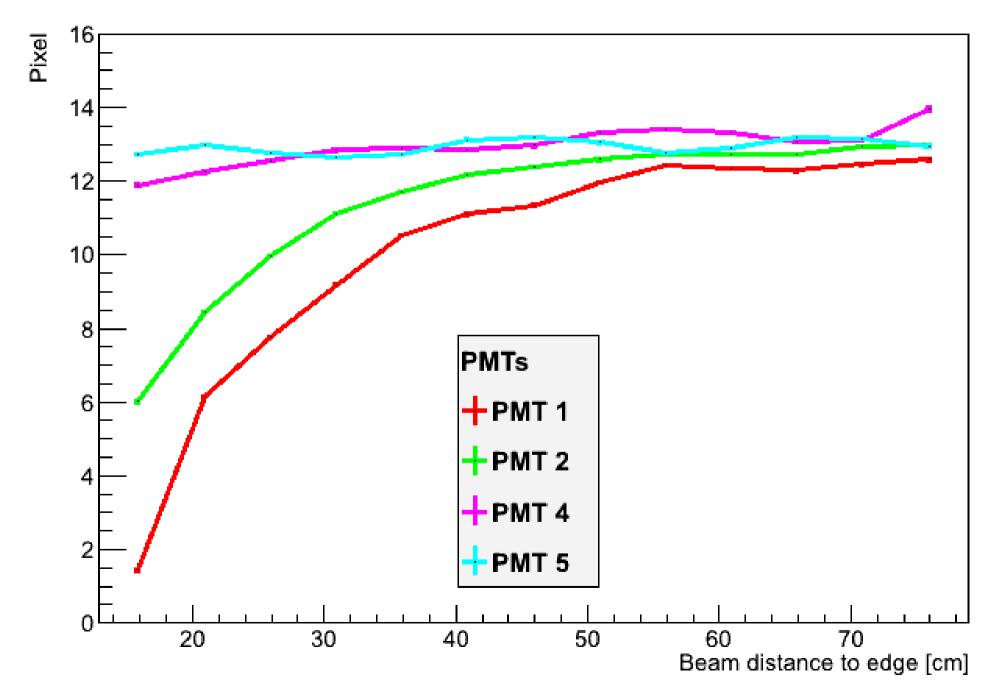


- plot number of entries in each pixel
- fit histogram to find mean pixel

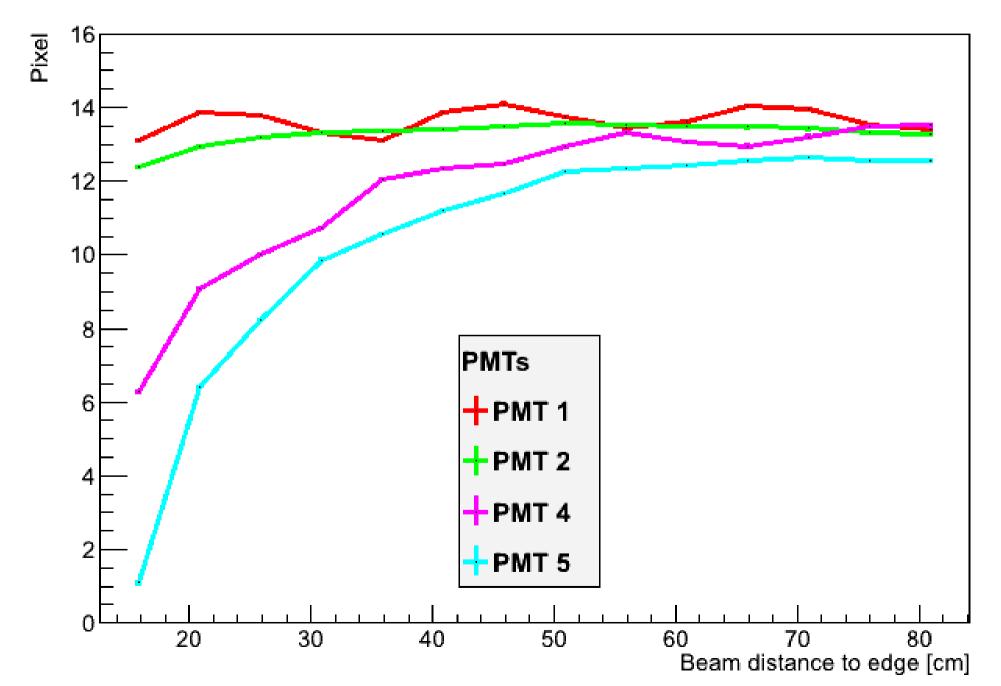




x-Scan in front of PMT 5



x-Scan in front of PMT 1



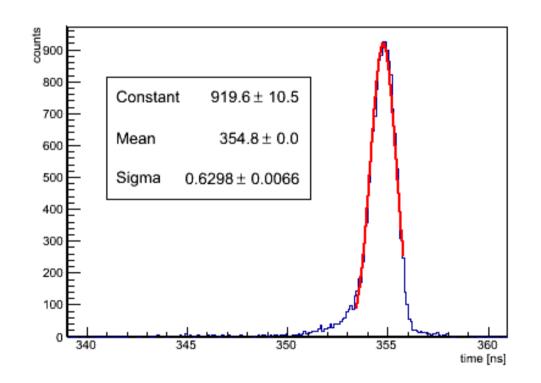
ToP for PMT 1 in x-Scan

scan in front of PMT 1:

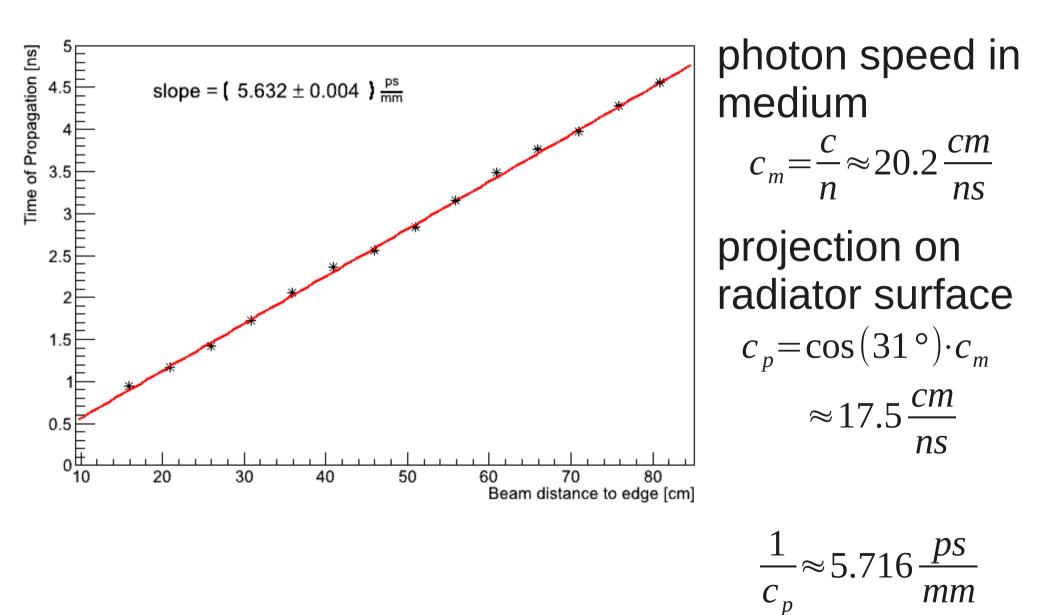
• for PMT 1 same pixel hit in each run

for each position:

- plot time spectrum "trigger – signal"
- fit the peak to get hit time
- plot time vs position



ToP for PMT 1 in x-Scan



Summary and Outlook

- LightGuides focus as designed
- position scan results in expected behaviour for PMTs close to the scan-axis

- open issues / need to understand
 - get number of Photons
 - curves for PMTs away from scan-axis
 - focal quality of LGs
 - . . .
 - reconstruct events