

# RICH GEMC SIMULATIONS

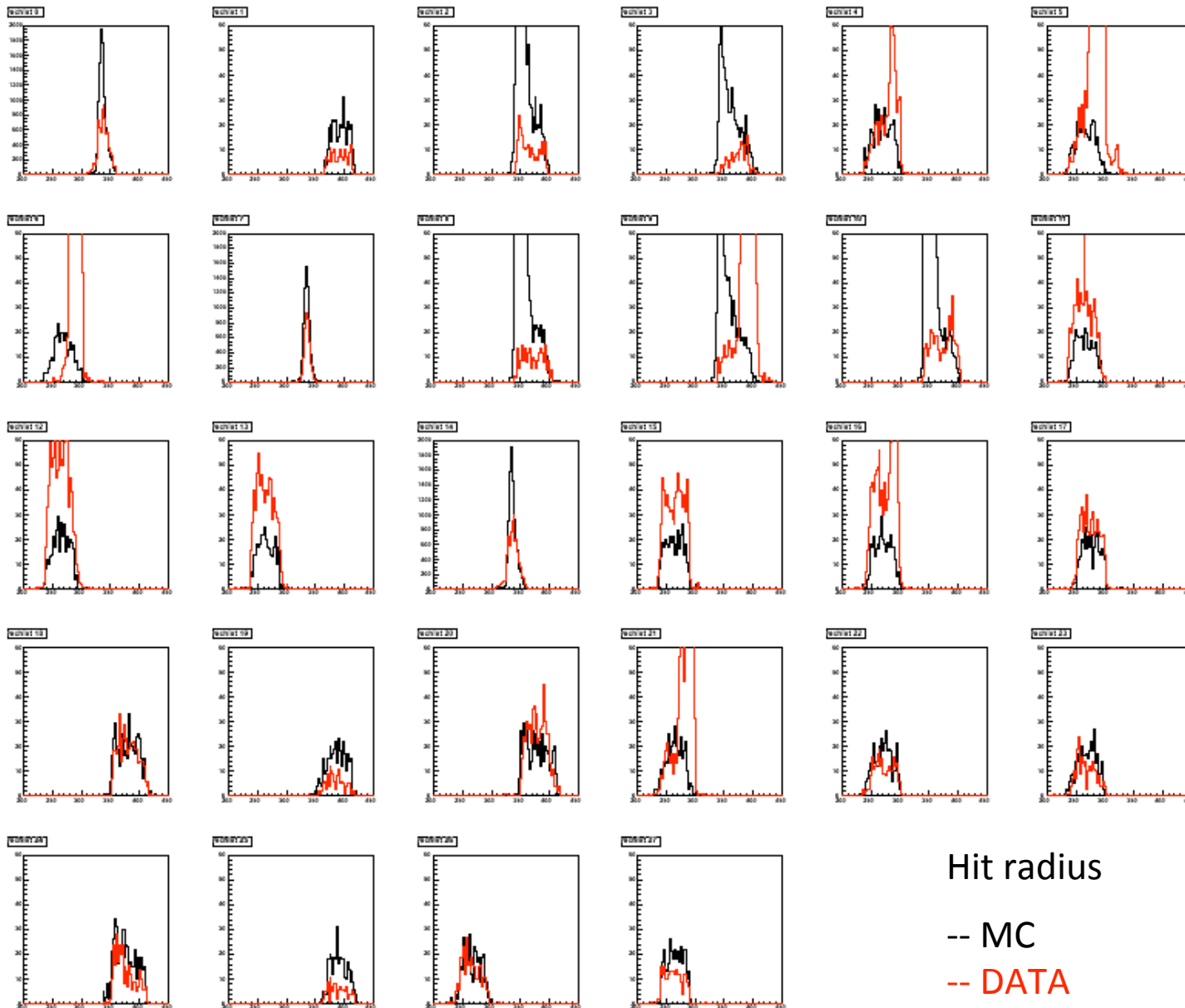
Contalbrigo Marco, Aram Movsisyan  
Luciano Pappalardo, Luca Barion & Paolo Lenisa  
INFN Ferrara

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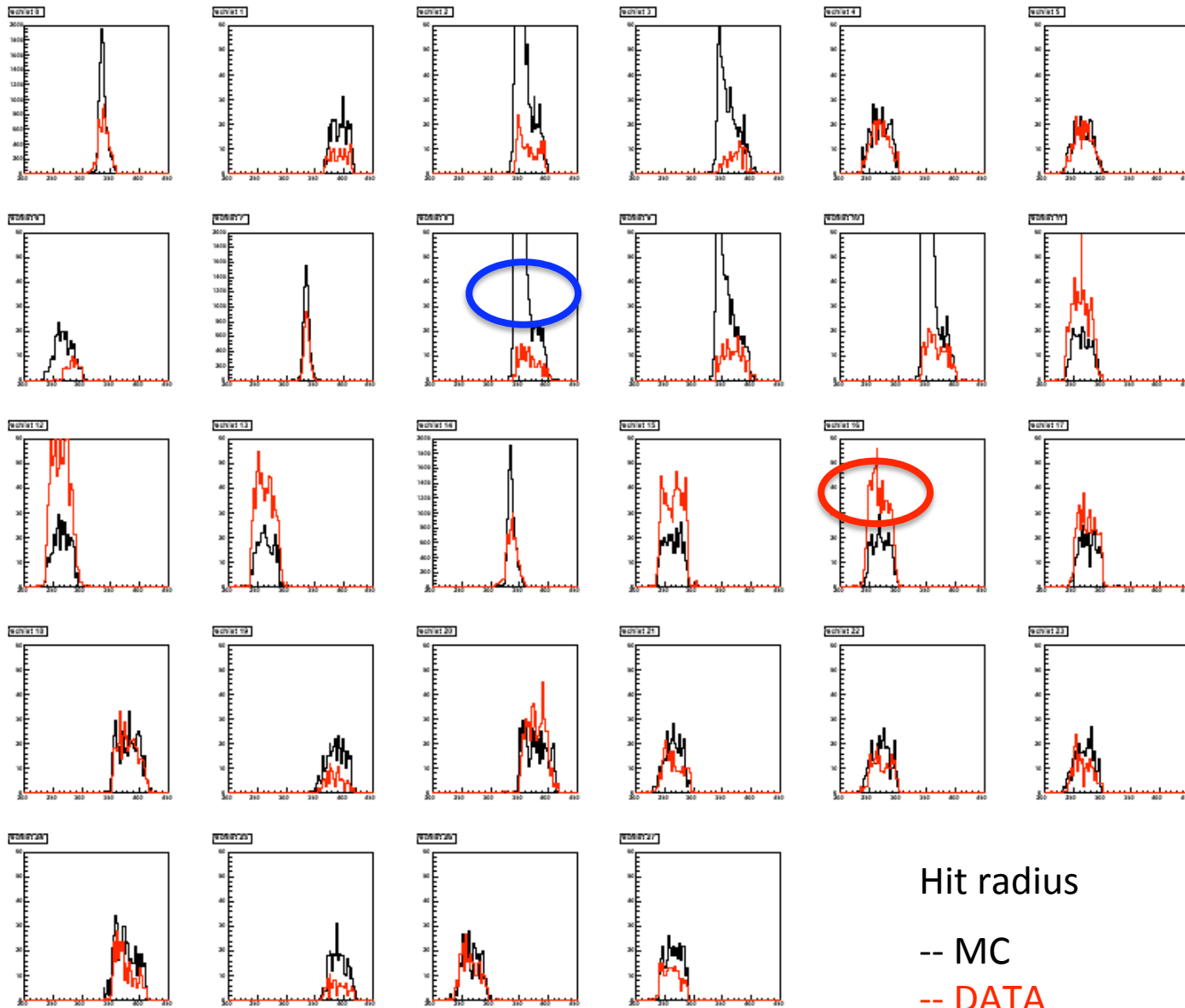
Rich Meeting, 15 March 2013

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# Staggered PMTs - run 822



# Staggered PMTs - run 822

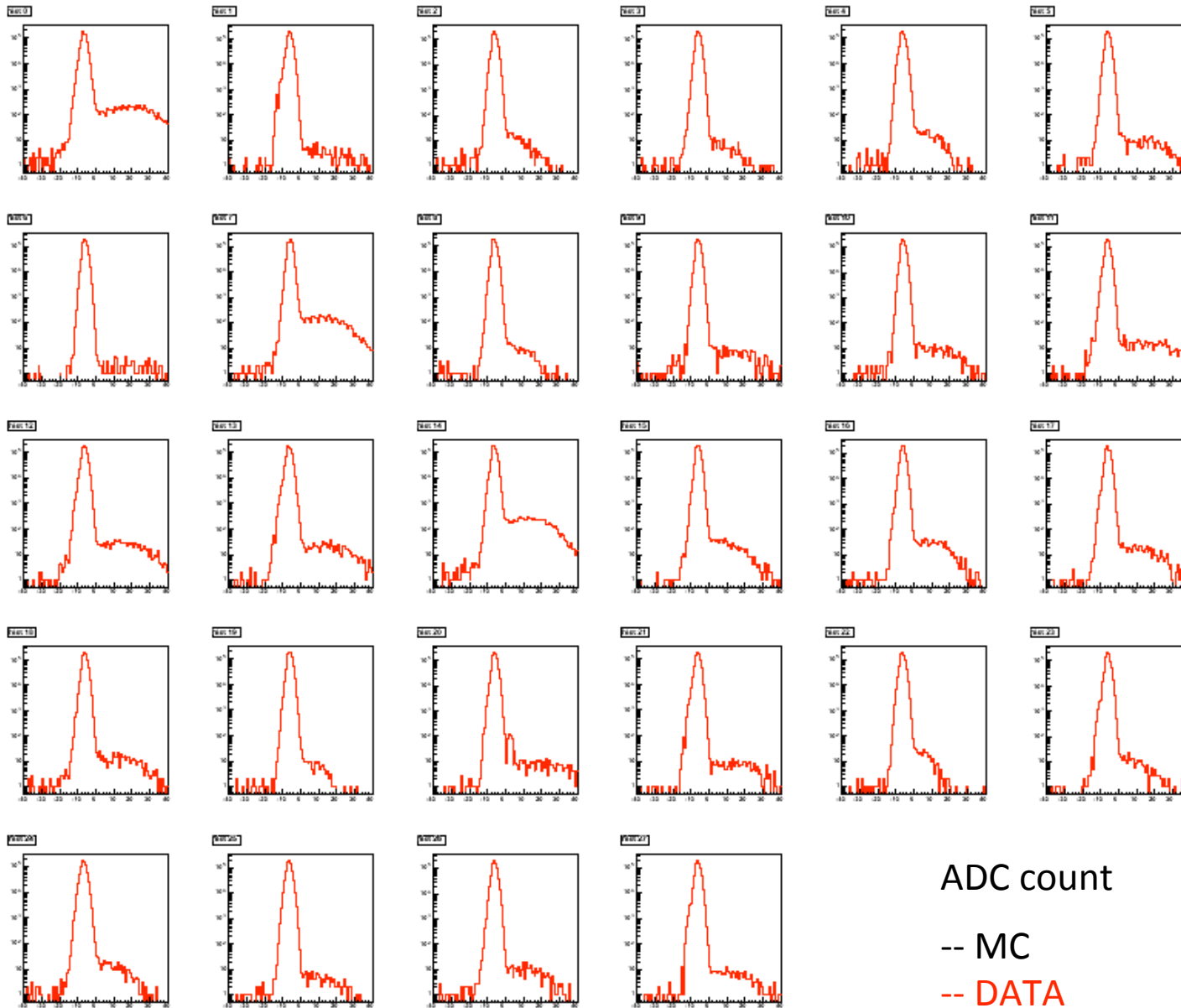


Hit radius

-- MC

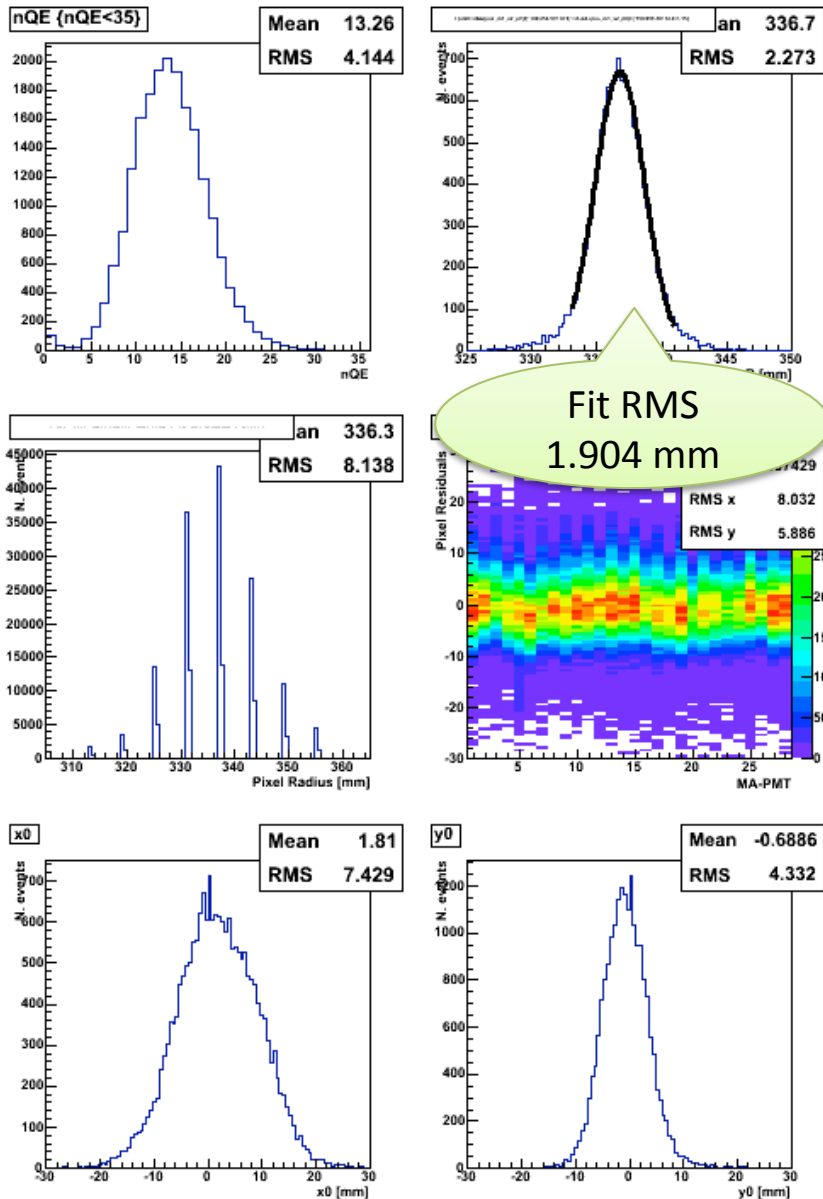
-- DATA

# Staggered PMTs - run 822

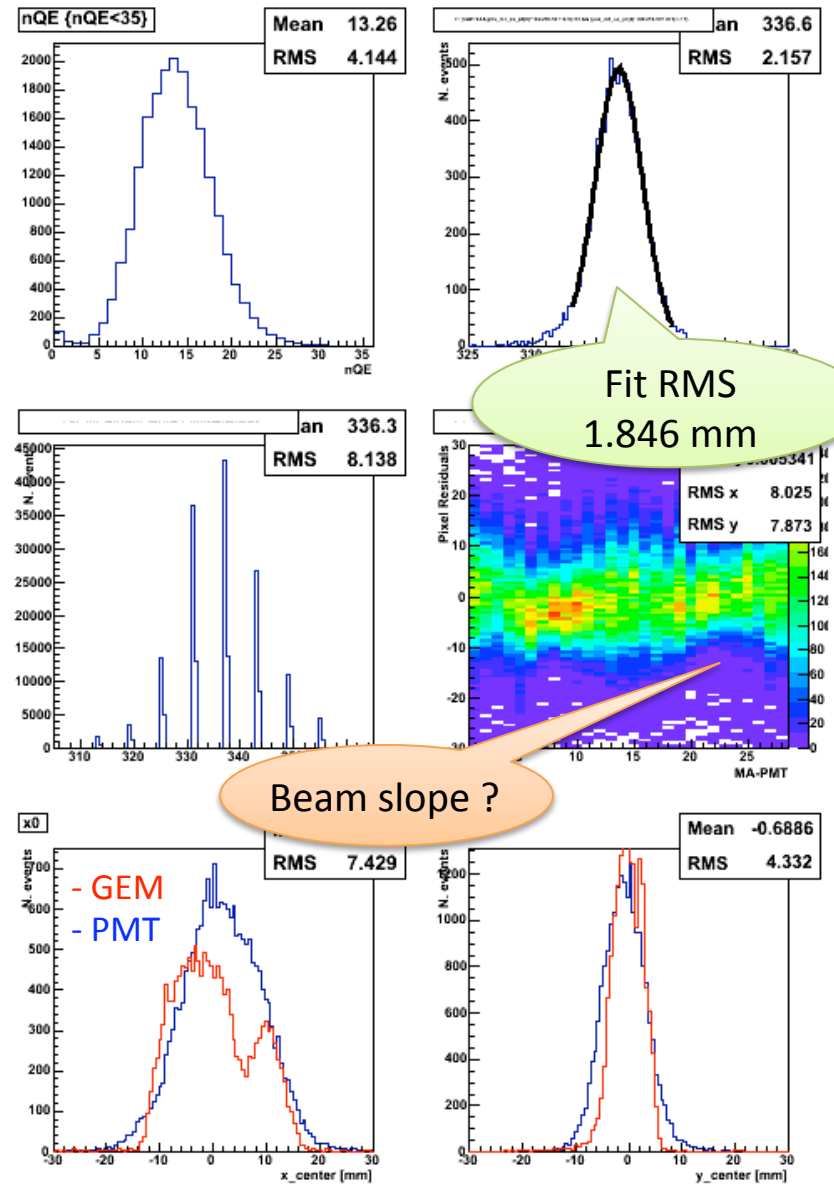


# DATA (new n=1.05)

## DATA (Run 1051) – PMT fit



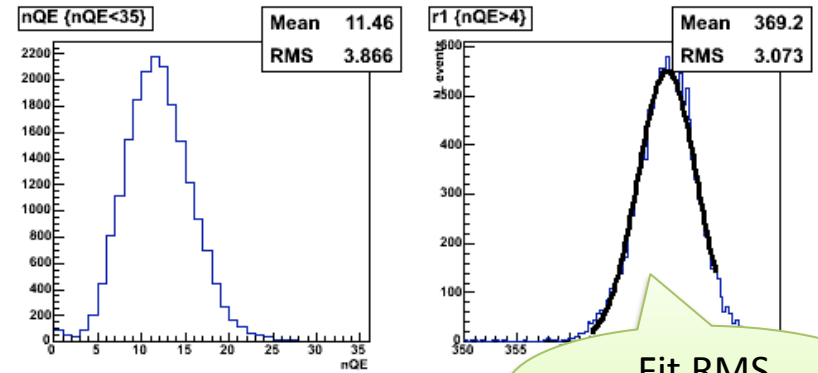
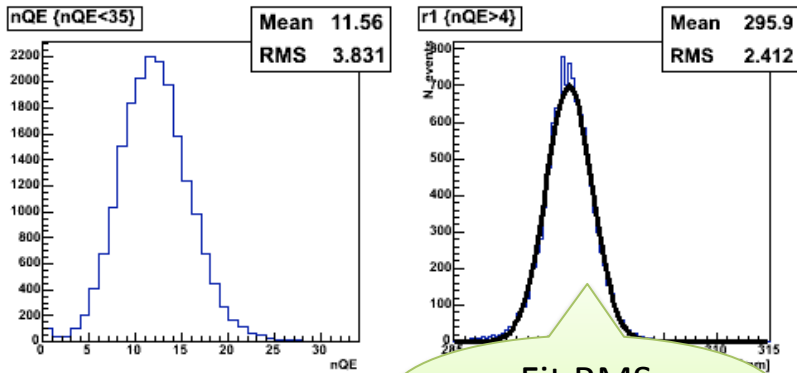
## DATA (Run 1051) GEM+PMT fit



# DATA (old n=1.04 & n=1.06)

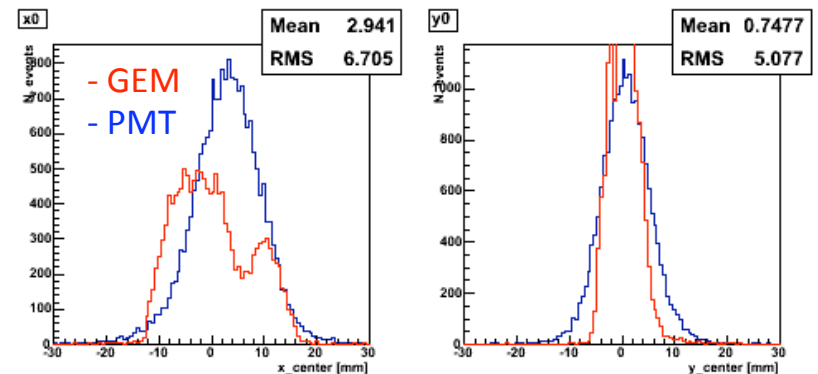
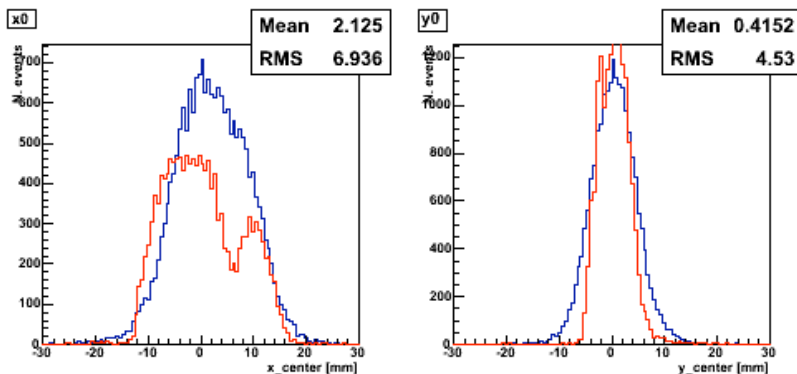
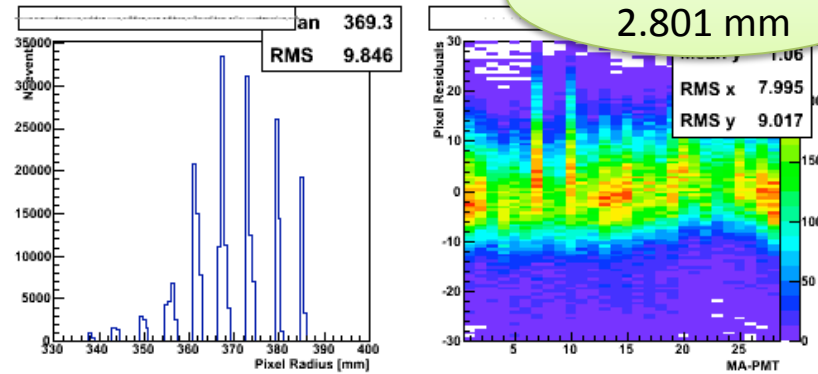
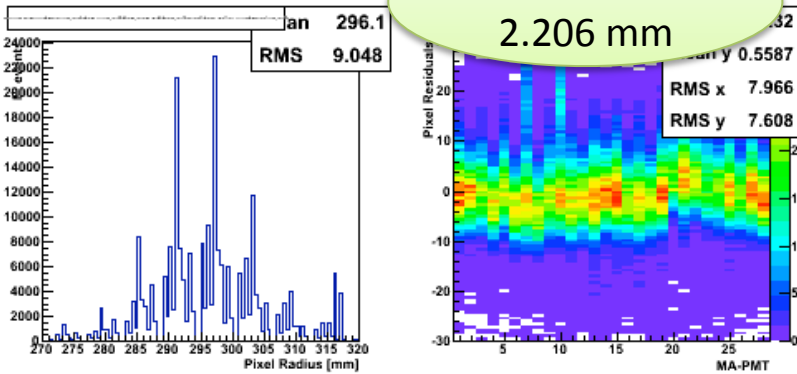
## DATA (Run 1137) – GEM+PMT fit

## DATA (Run 1128) GEM+PMT fit



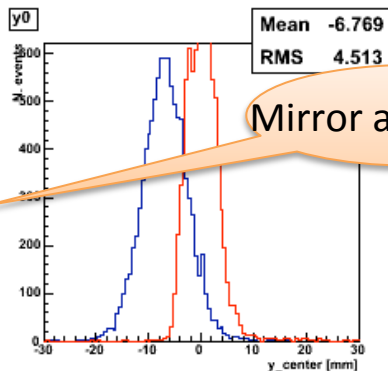
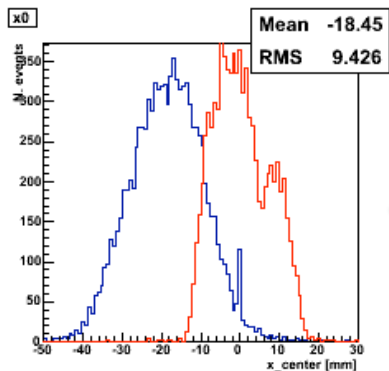
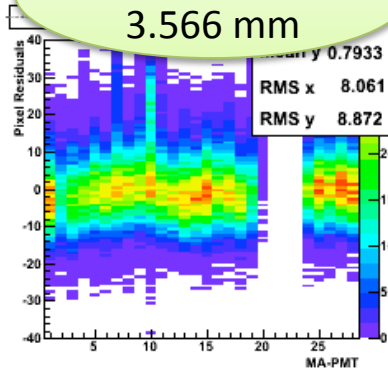
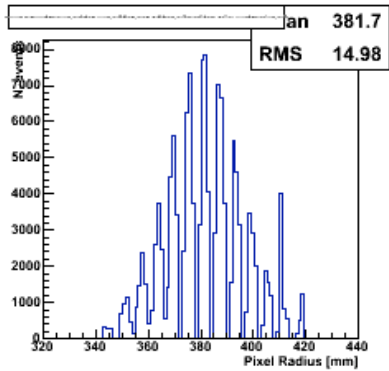
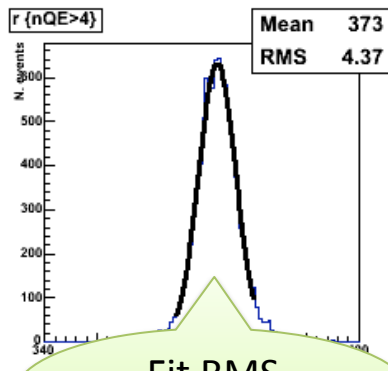
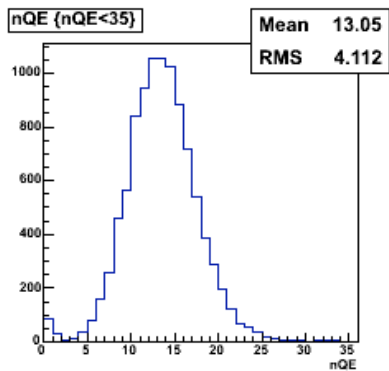
Fit RMS  
2.206 mm

Fit RMS  
2.801 mm



# DATA vs MC with Misalignment

DATA (Run 822)



Mirror alignment ?