

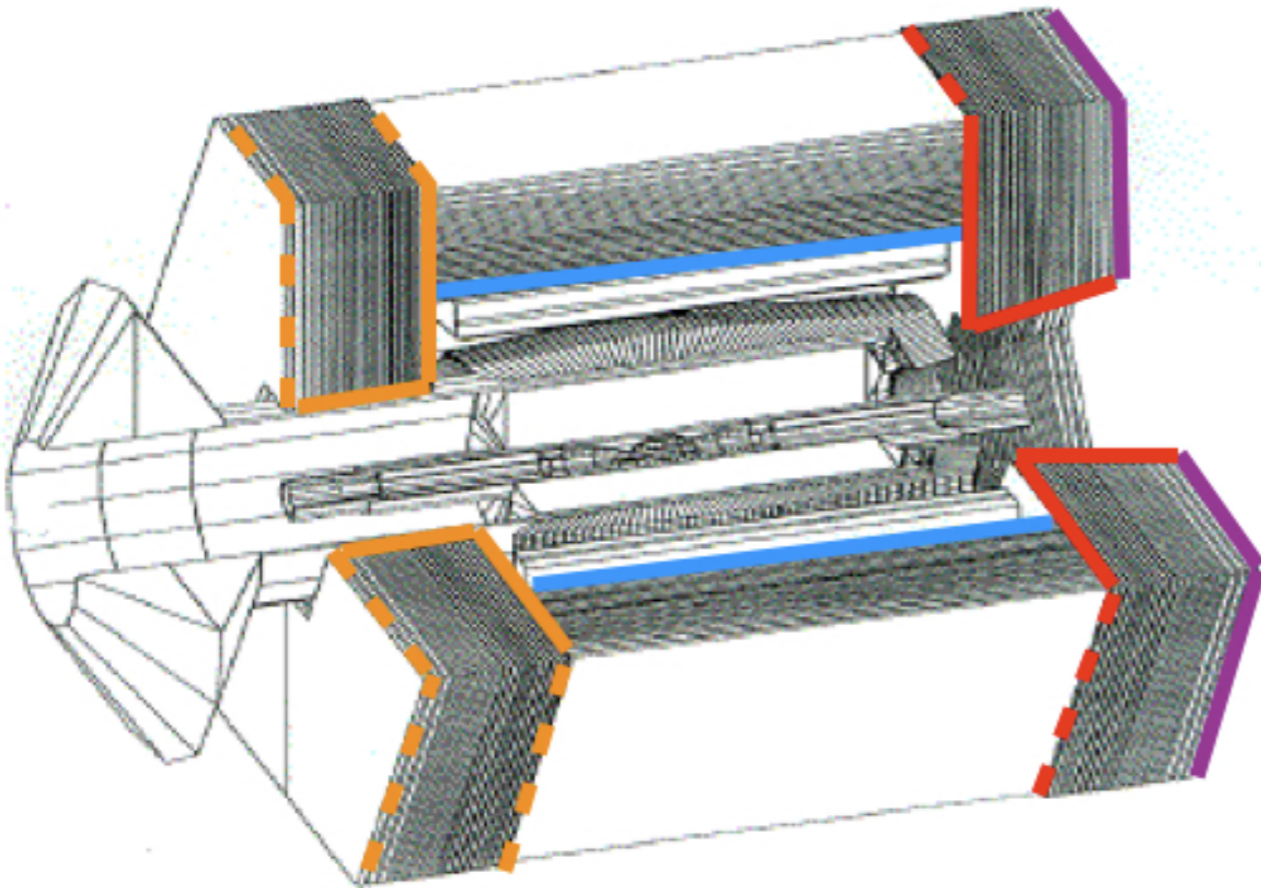
# IFR: a first look to the new full sim production

G. Cibinetto, M.M

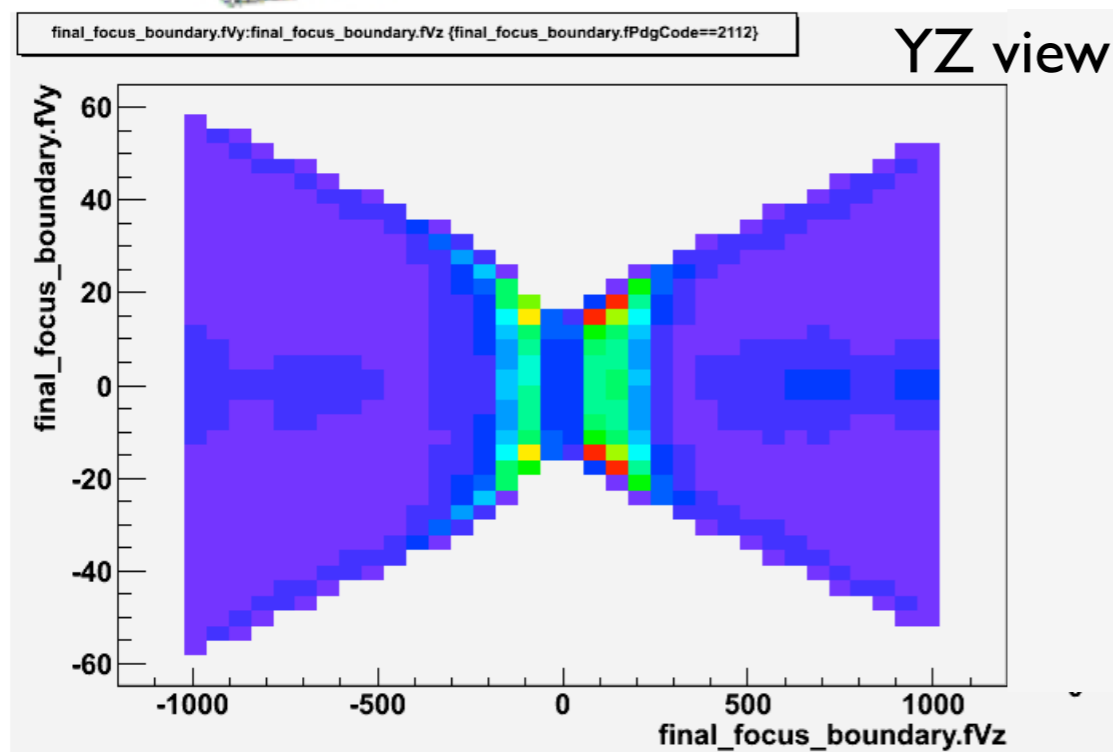


XV SuperB General Meeting - Caltech

# HOT REGIONS FOR IFR



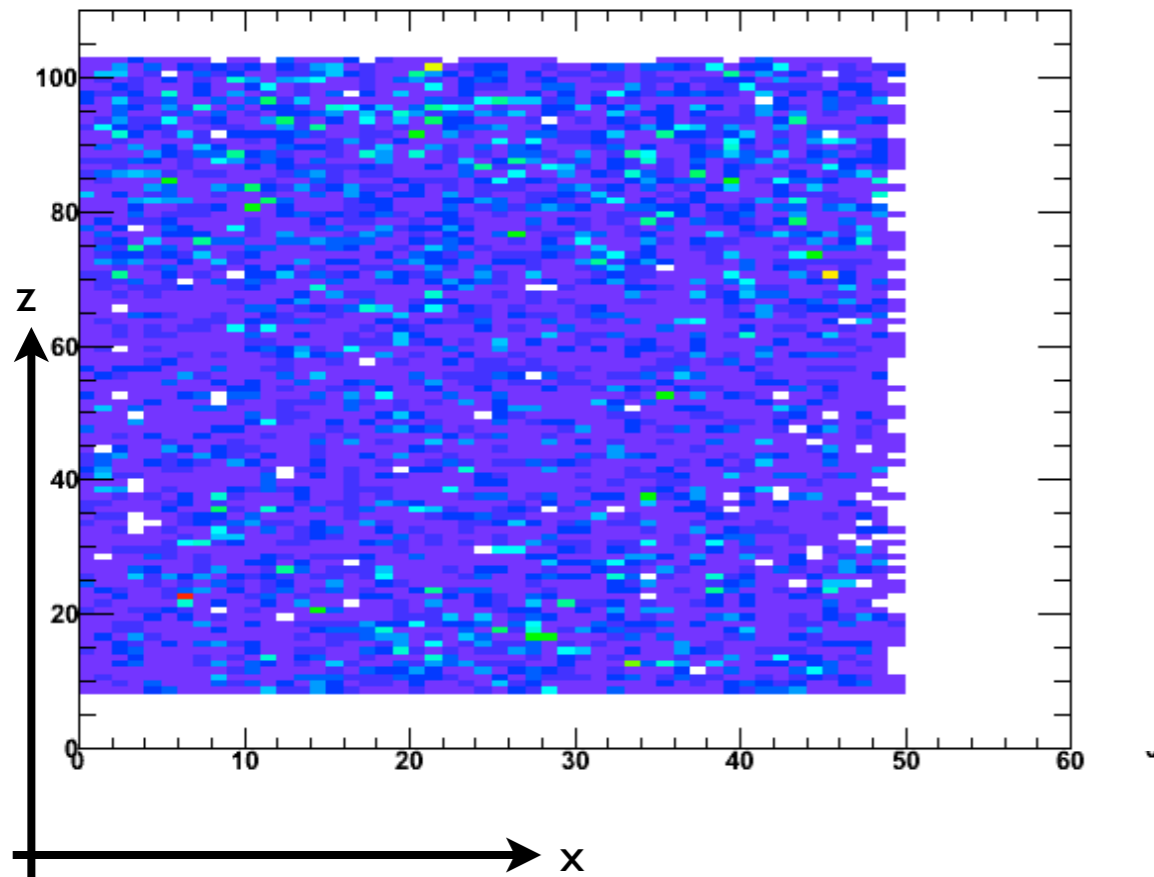
- FWD endcap inner layers and small radii (it's the hottest region): neutrons, photons, electrons
- Barrel innermost layers: mostly neutrons. This is a crucial region because SiPM should go there.
- BWD endcap inner layers and small radii: BWD endcap outer layers should be shielded by the SOB and additional iron.
- FWD endcap outer layer for the beam halo



NOW final focus simulated up to 10m from IP

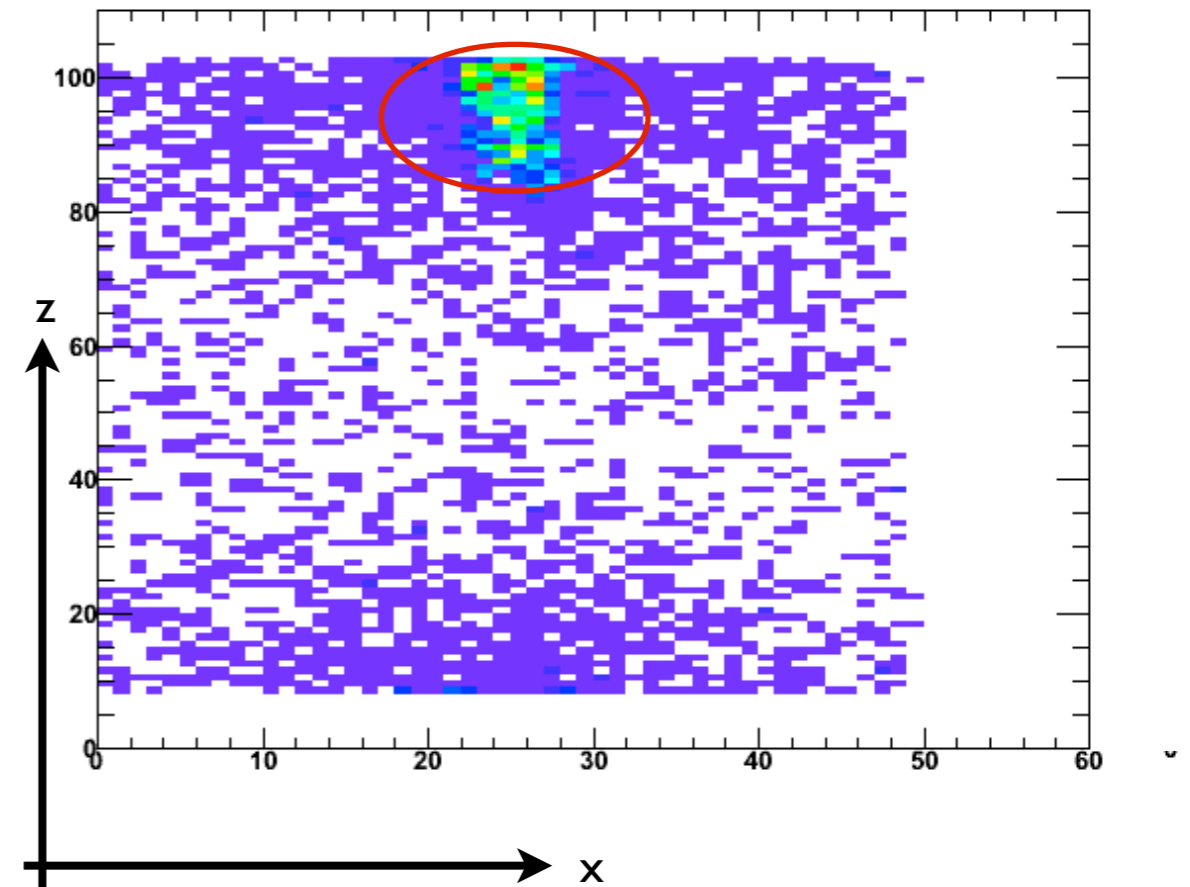
# DIFFERENCES FROM PREVIOUS PRODUCTION

SXTILO



Previous

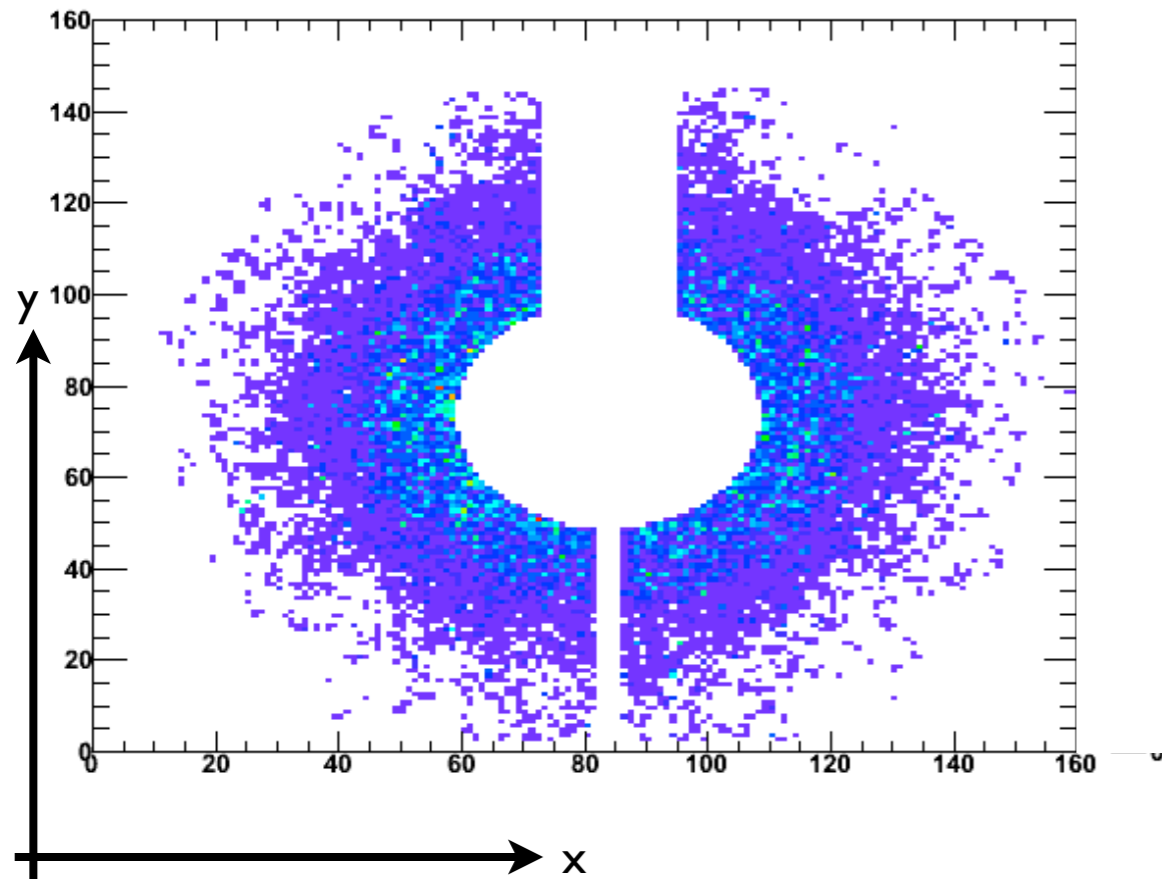
SXTILO



Last

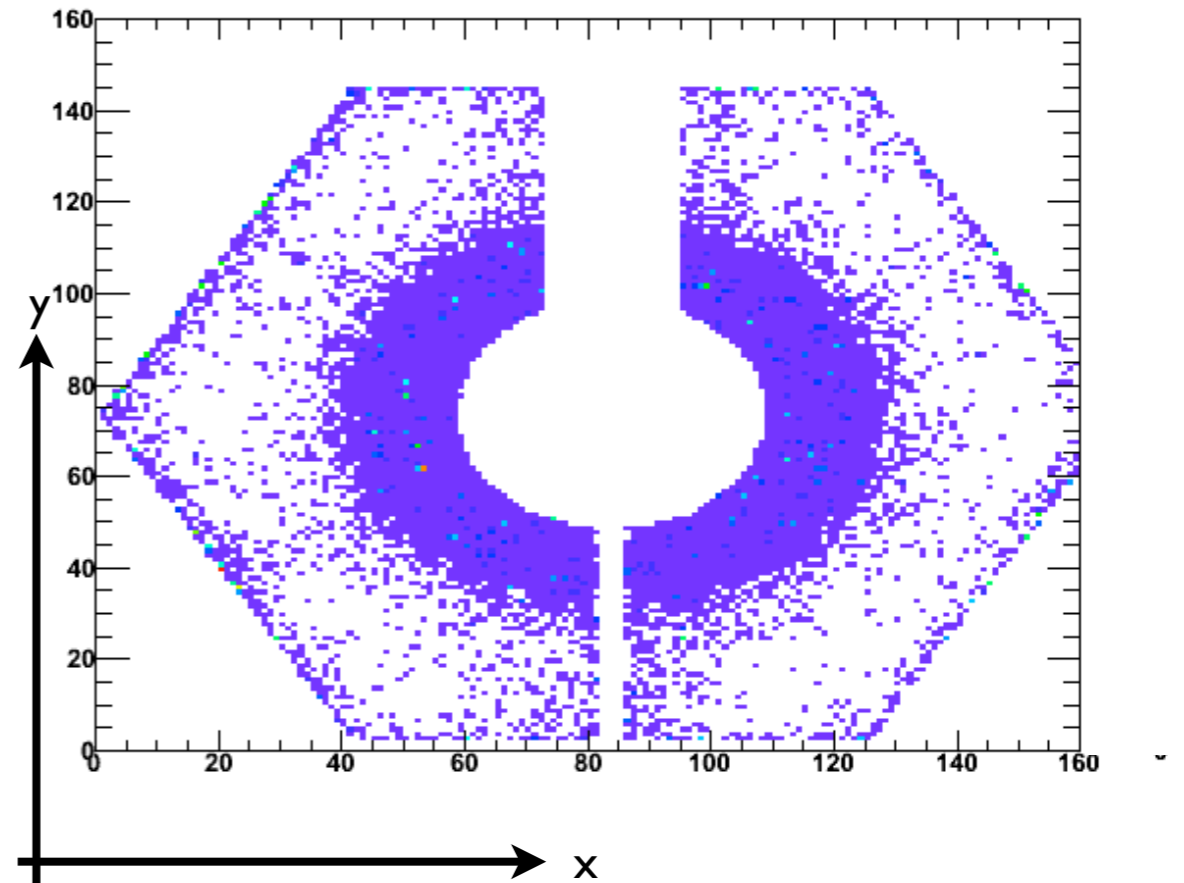
# DIFFERENCES FROM PREVIOUS PRODUCTION

BWDL0



Previous

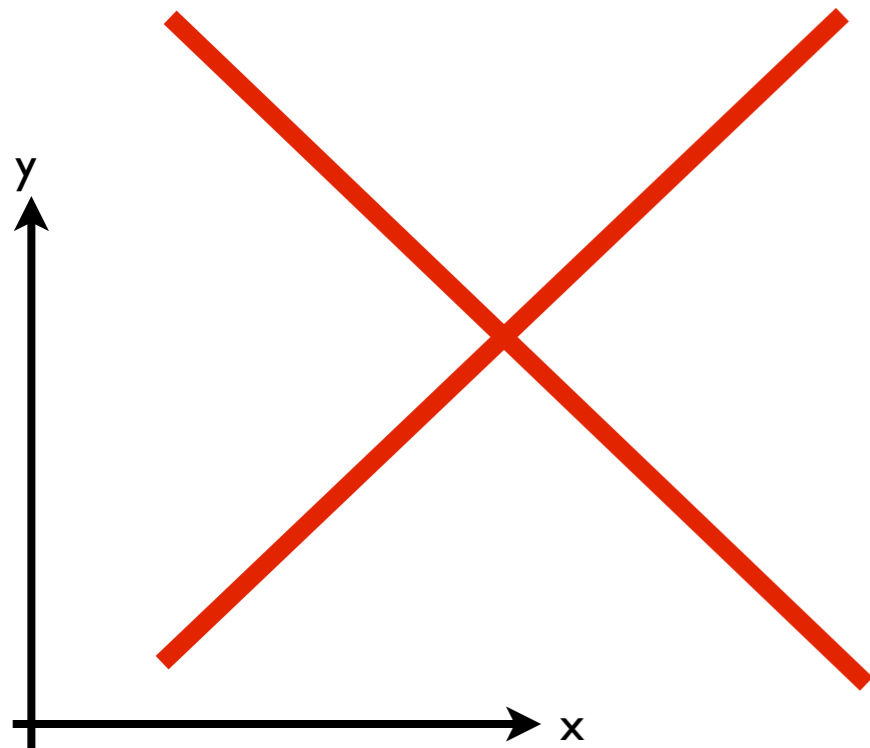
BWDL0



Last

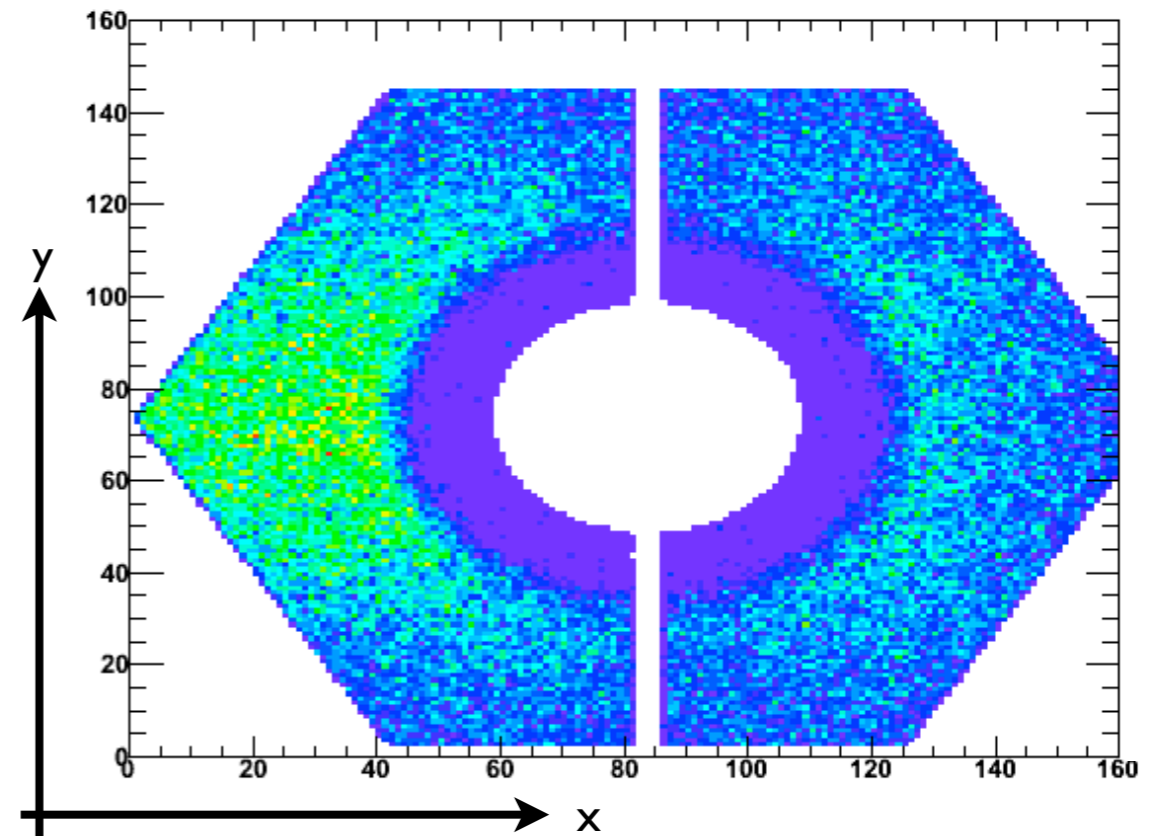
# DIFFERENCES FROM PREVIOUS PRODUCTION

BWDL7



Previous

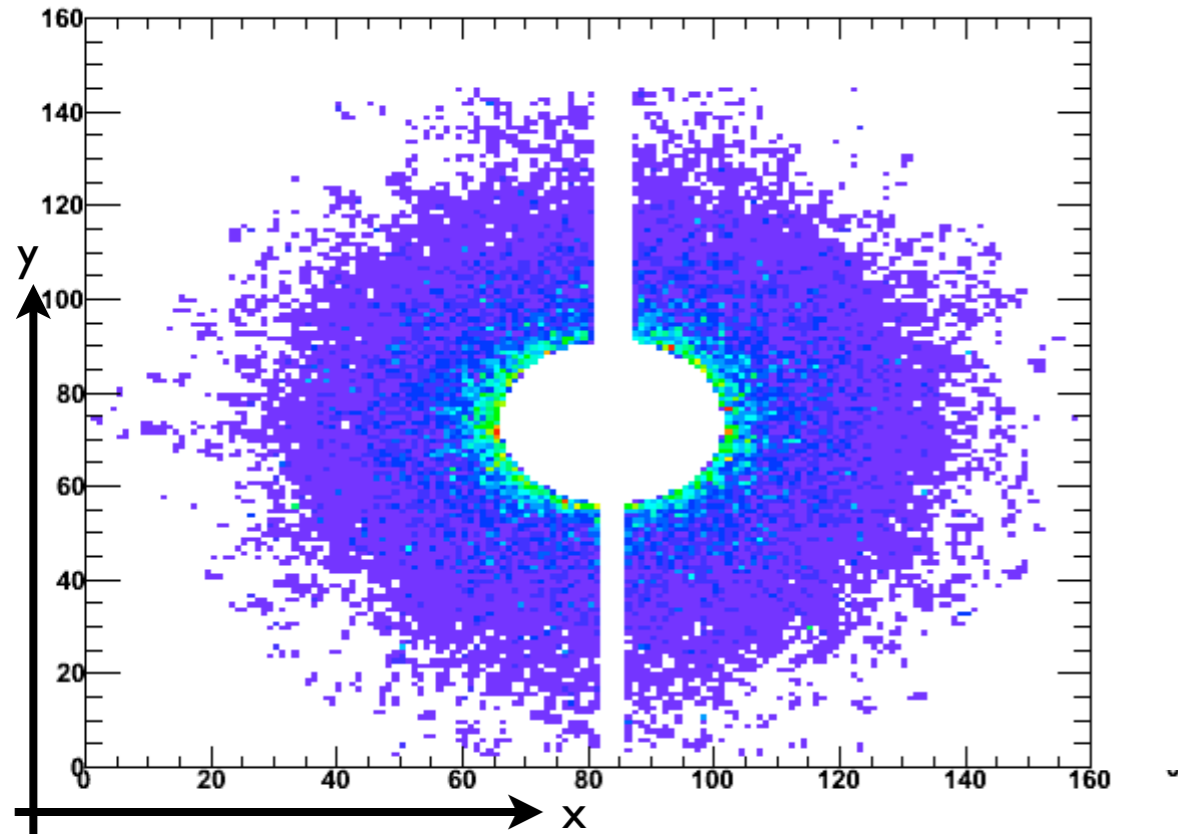
BWDL7



Last

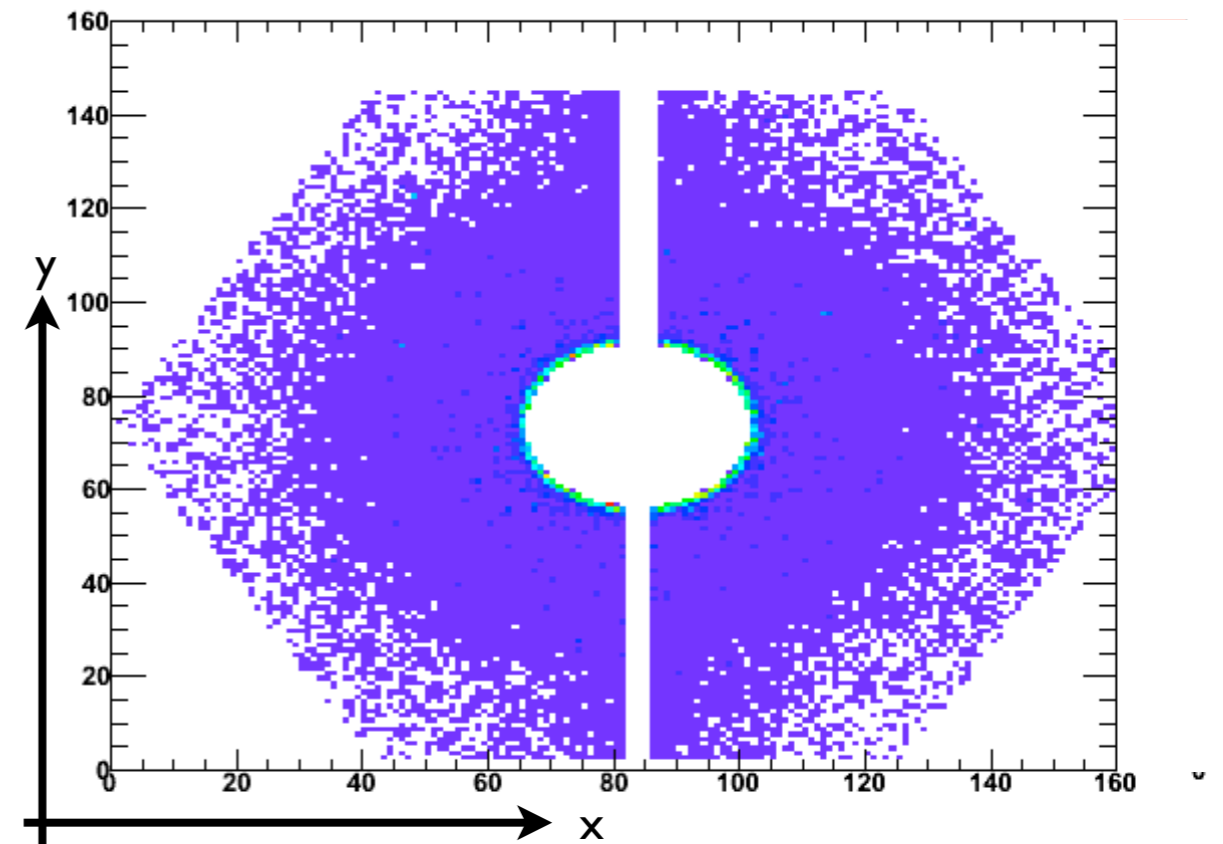
# DIFFERENCES FROM PREVIOUS PRODUCTION

FWDL0



Previous

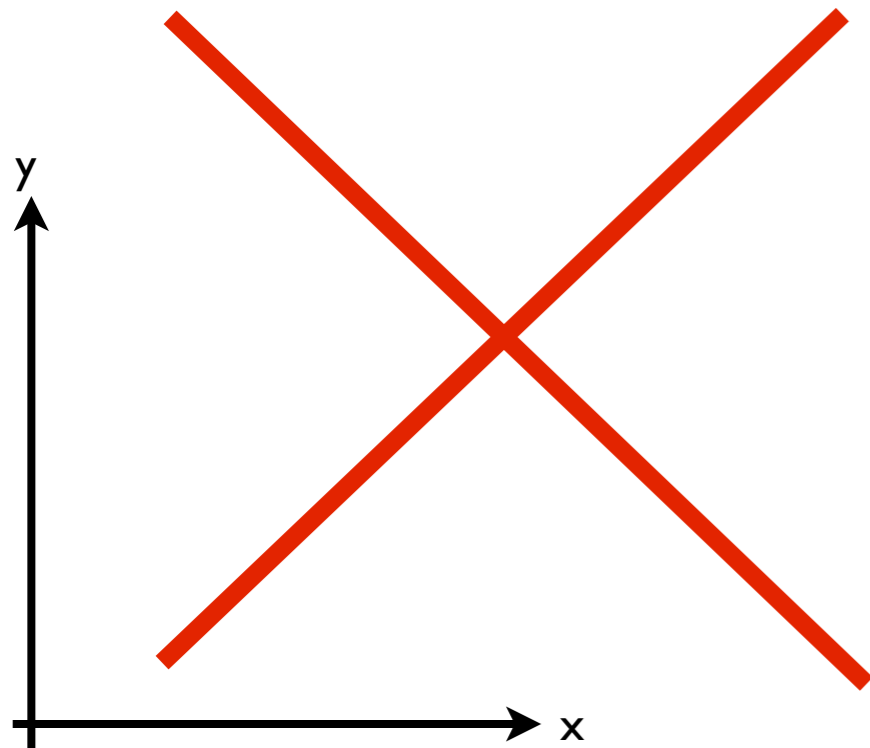
FWDL0



Last

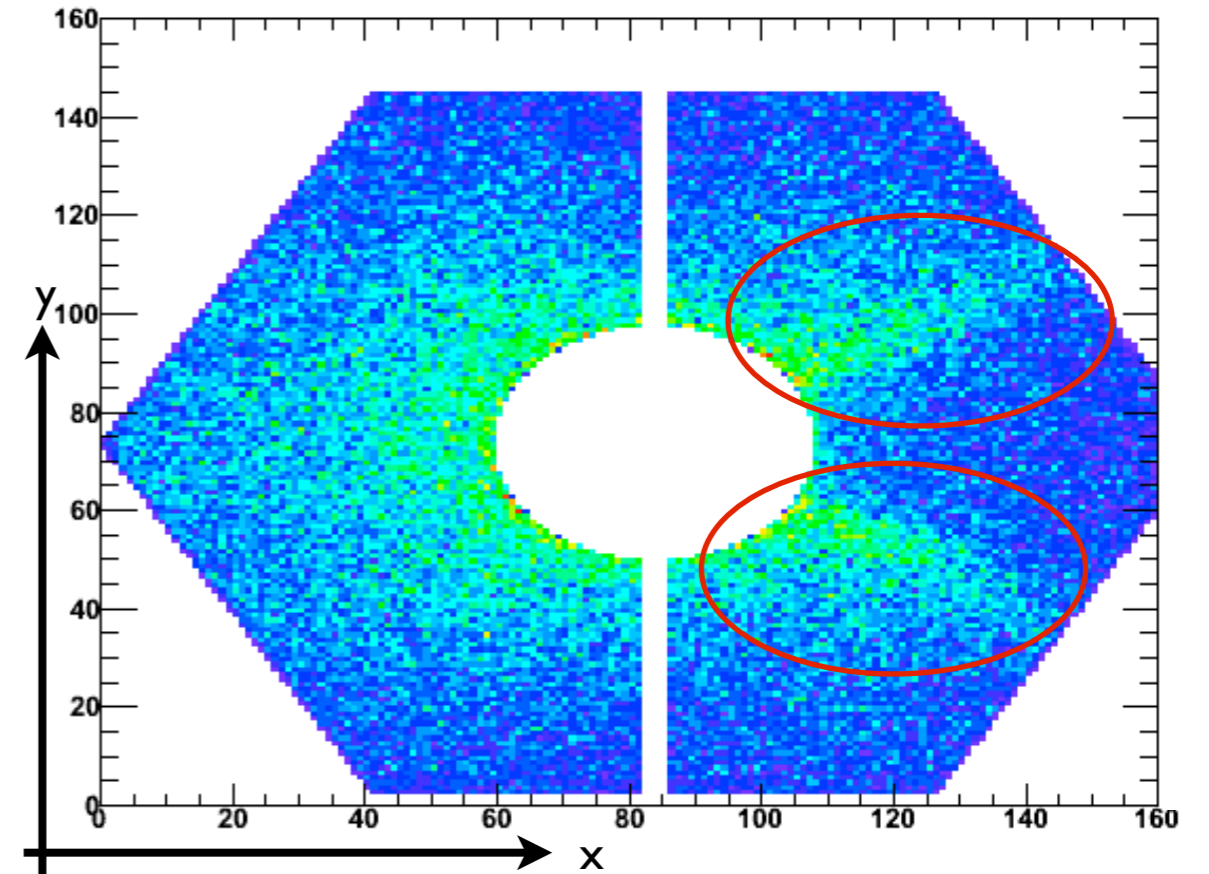
# DIFFERENCES FROM PREVIOUS PRODUCTION

FWDL7



Previous

FWDL7



Last

# CONCLUSIONS

- We didn't quote any rate numbers because it's a first and qualitative look at last production.
- **We saw differences from previous production and we need a detailed list of modifications** (even adding or removing of 1 cm of shield matters)
- We need a detailed design of final focus