



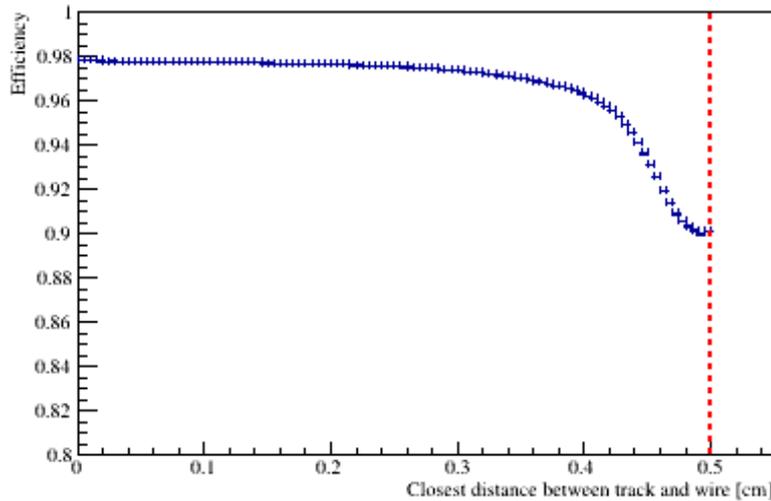
FDC Simulation

- Status and Plans -

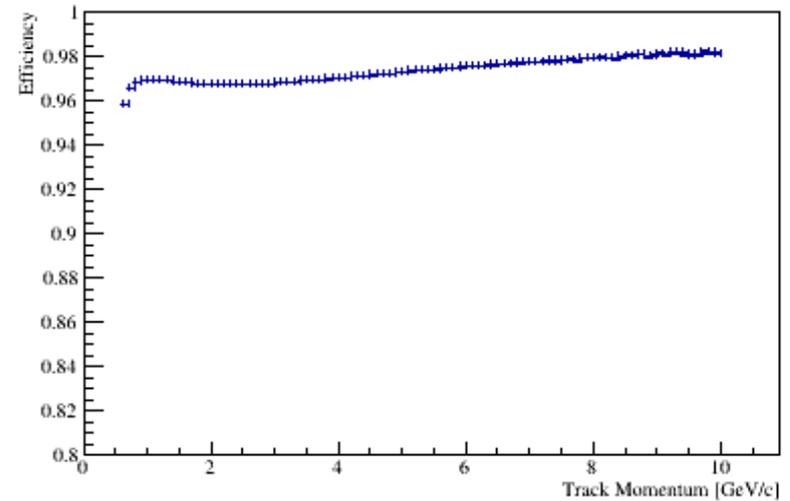
A. Austregesilo, L. Pentchev

(Wire-) Efficiency (run 31001)

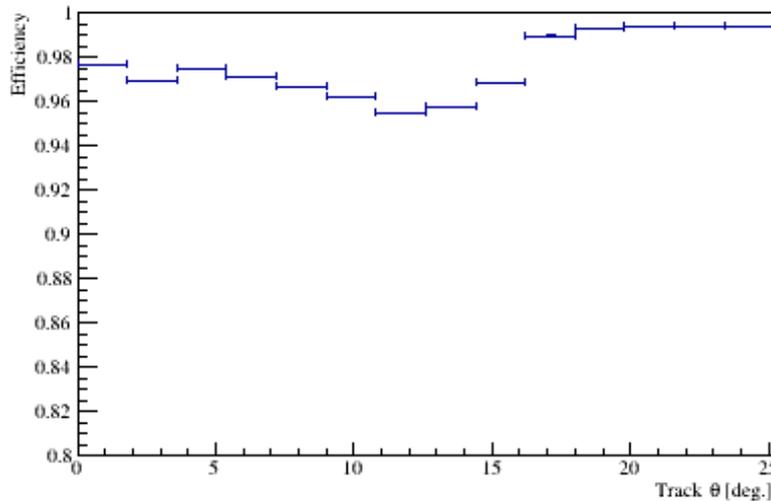
FDC Per Wire Efficiency Vs. DOCA



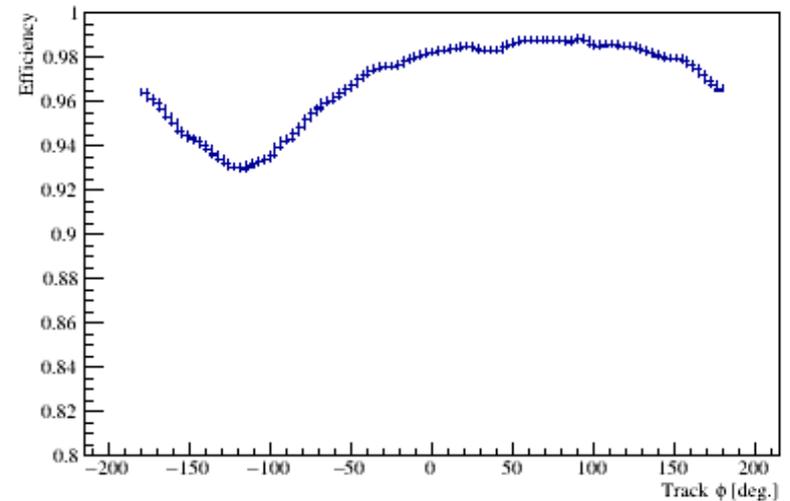
FDC Per Wire Efficiency Vs. p



FDC Per Wire Efficiency Vs. θ

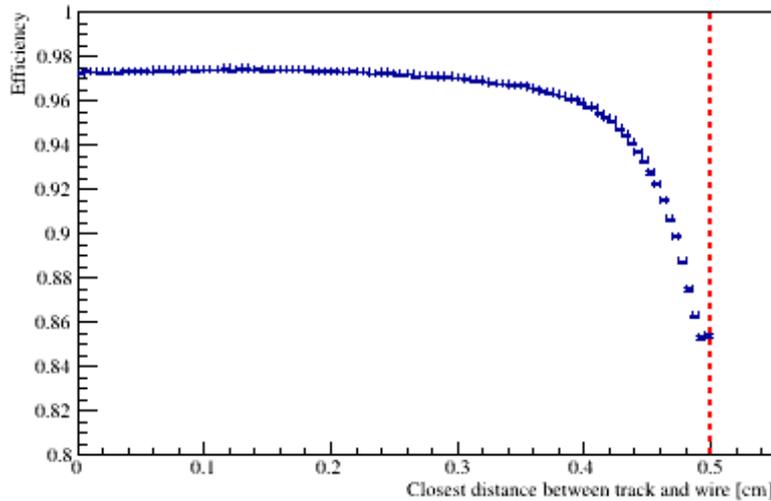


FDC Per Wire Efficiency Vs. ϕ

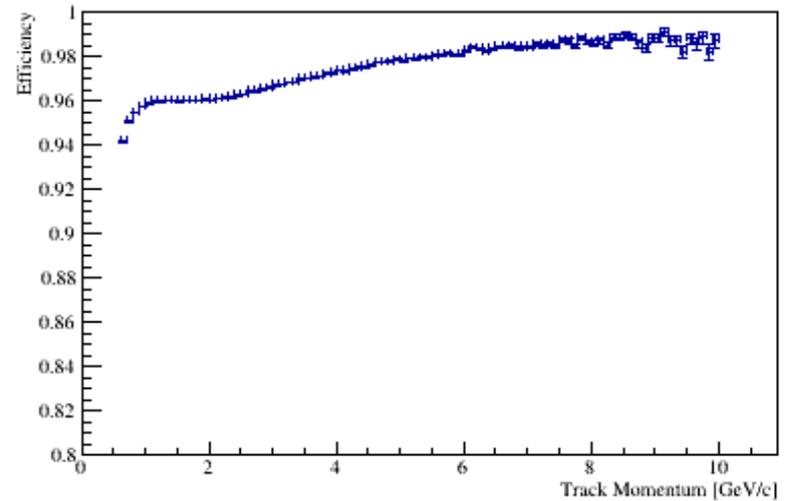


(Wire-) Efficiency (MC)

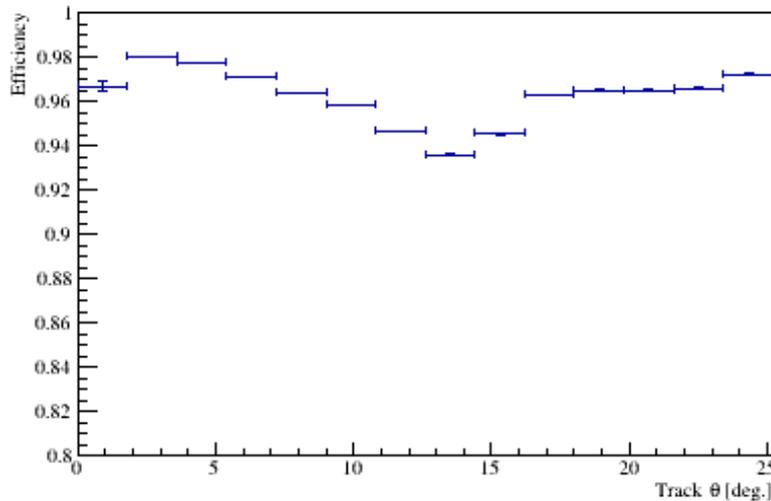
FDC Per Wire Efficiency Vs. DOCA



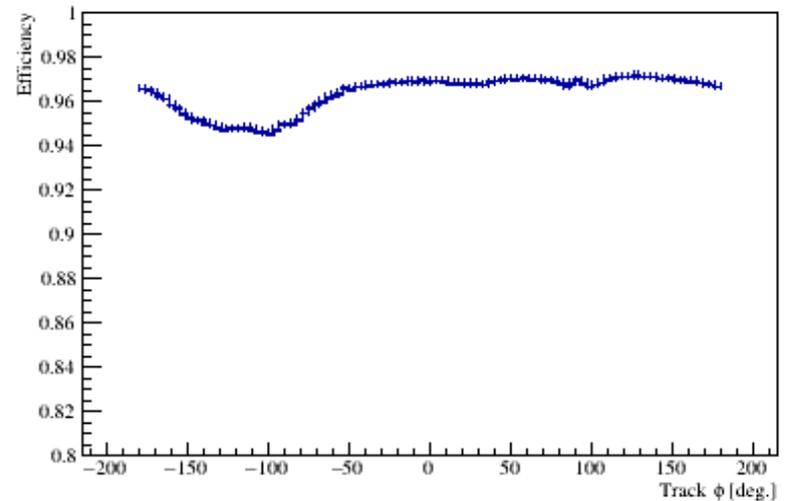
FDC Per Wire Efficiency Vs. p



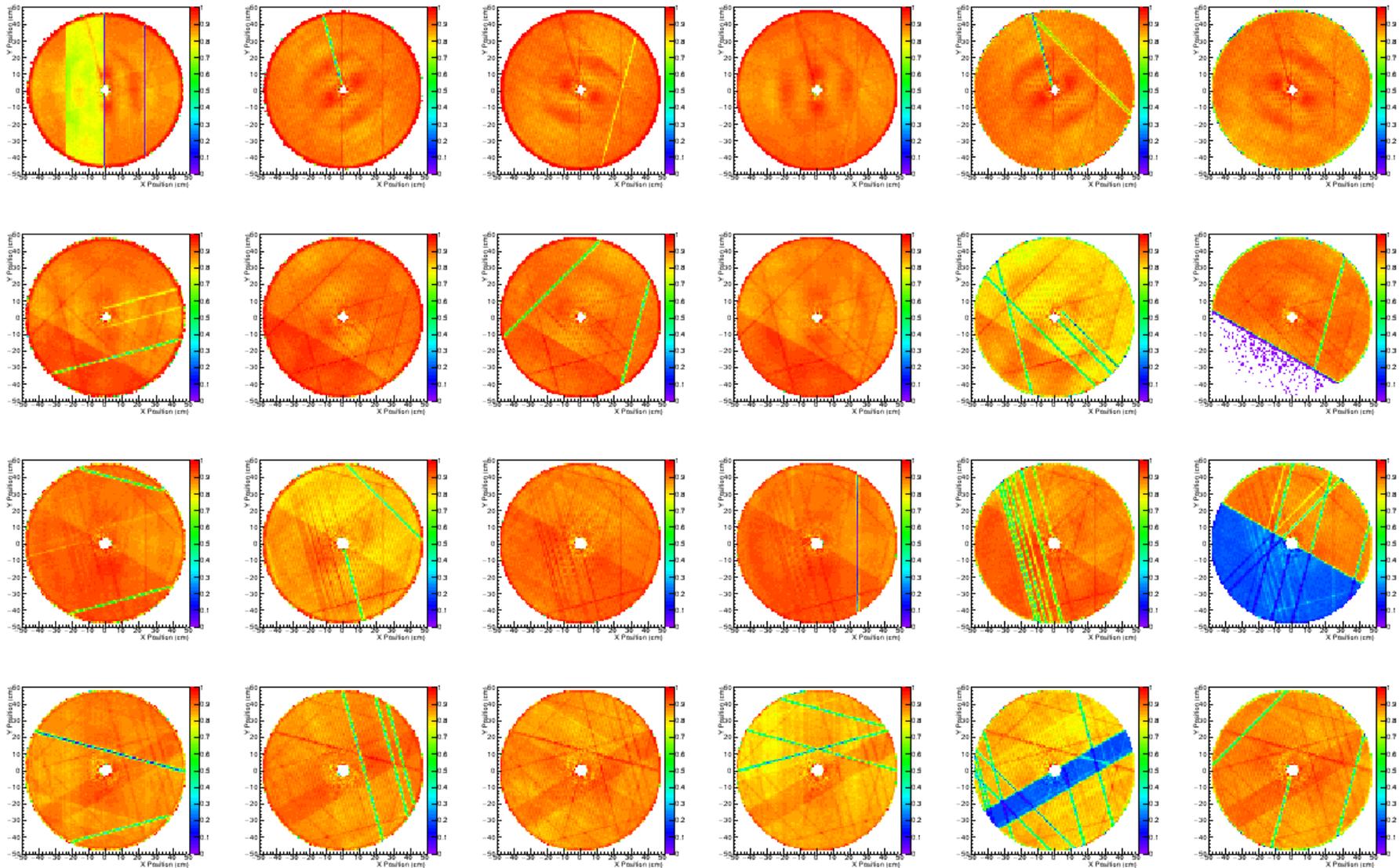
FDC Per Wire Efficiency Vs. θ



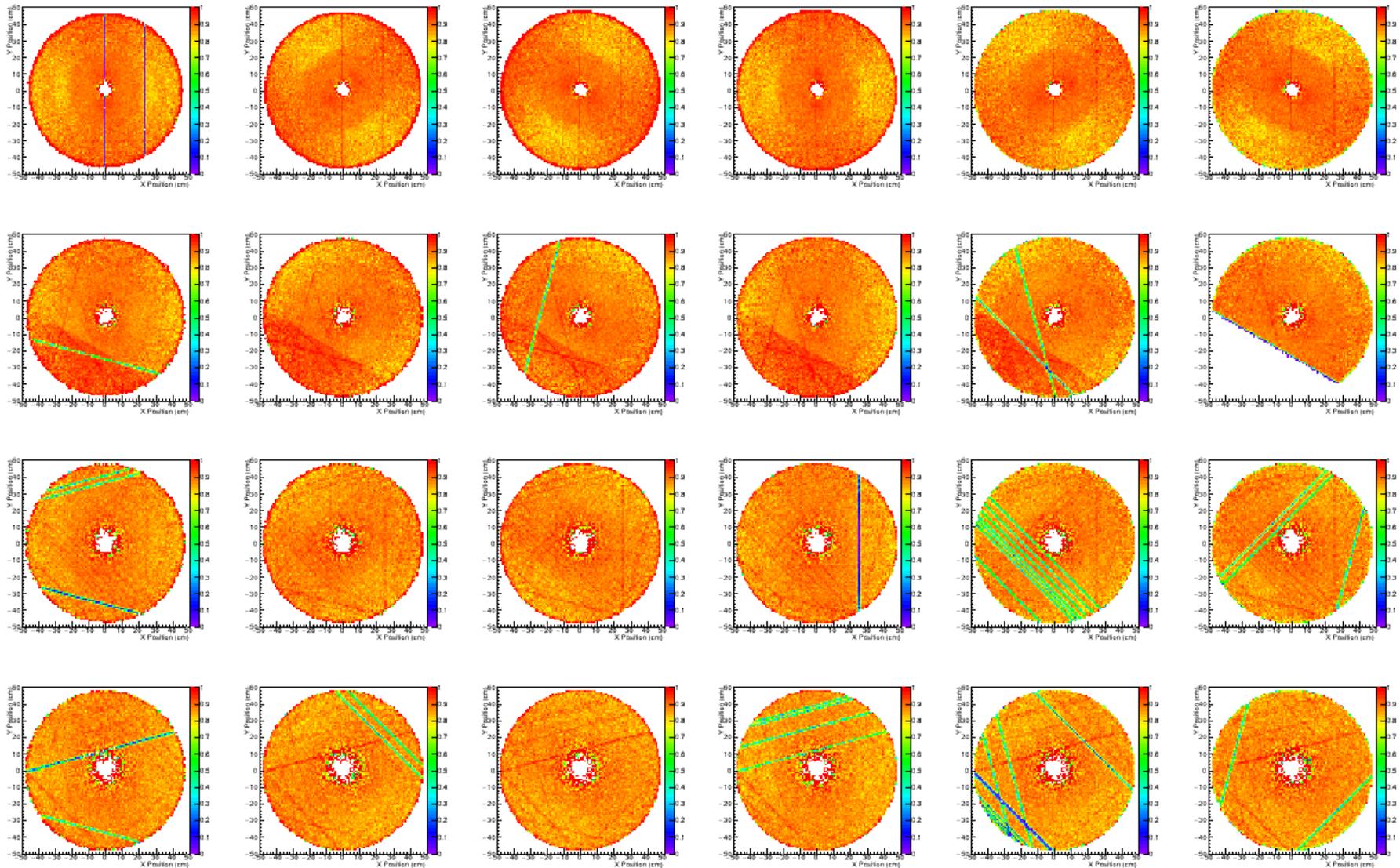
FDC Per Wire Efficiency Vs. ϕ



(Pseudo-) Efficiency (run 31001)



(Pseudo-) Efficiency (MC)



Status and Plans

Status: Wire Efficiency OK

Focus on Pseudo Hit Efficiency

- List of dead wire/strip channels from 2016
- Average efficiency already very well reproduced in MC
- Wrong rotation for strips? (compare first column!)
- Local inefficiencies due to problems with read-out not reproduced (e.g. first row, first column and third row, last columns)

Next steps:

- Update list of dead wire/strip channels for 2017
- Identify reasons for possible global differences and converge (e.g. timing, resolution, thresholds)
- Determine averaged 2D efficiencies for the full data period
 - Implementation with maps?
 - Later: Run dependence?