

RD51 collaboration
application

N. Poljak for the
University of
Zagreb, Croatia

RD51 collaboration meeting, 5.2.2014.

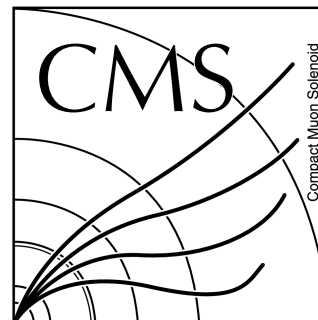
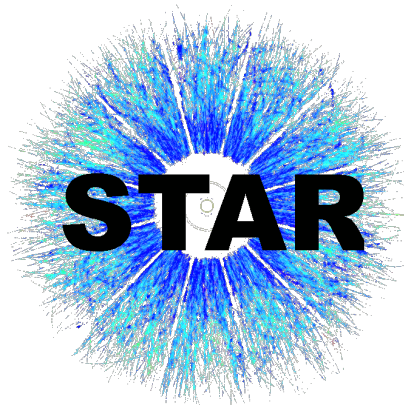
Members

- M. Planinic, group leader
- N. Poljak, postdoc
- G. Simatovic, grad student
- A. Utrobicic, grad student



Background and experience

- M. Planinic, group leader
 - PhD at the University of Zagreb (1999.)
 - Postdoc at Indiana University, worked at the STAR and Tagger experiments
 - 2 years working on CMS analyses (WZ production and HLT related work)
 - Joined the ALICE collaboration in 2011.
 - 2013. started an UKF project with GEM detectors



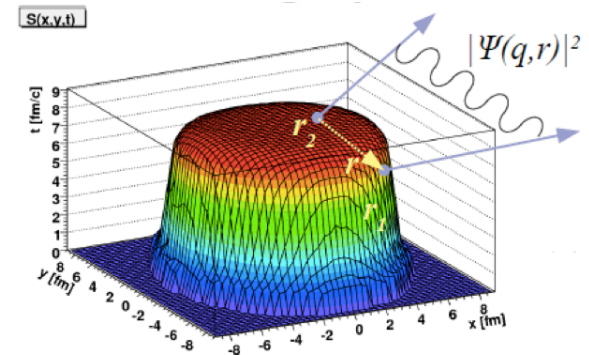
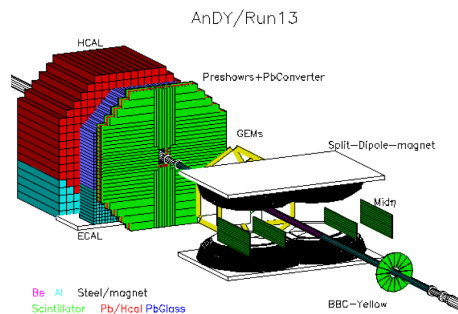
Background and experience

- M. Planinic, group leader
- N. Poljak, postdoc
 - PhD at the University of Zagreb (2010.) for work in the STAR collaboration (spin physics)
 - Postdoc in ALICE (Nikhef) and CMS (IRB)
 - Some experience in gas detectors (MAMI Mainz, 2005., building drift chambers)



Background and experience

- M. Planinic, group leader
 - N. Poljak, postdoc
 - G. Simatovic, grad student
 - Hardware experience at AnDY (BNL)
 - Working in ALICE in collaboration with UNAM
- “Sphericity dependent pion HBT analysis in pp and pA”



Background and experience

- M. Planinic, group leader
- N. Poljak, postdoc
- G. Simatovic, grad student
- A. Utrobicic, grad student
 - Our new grad student
 - Some experience in gas detectors
 - built an exhibitional spark chamber



Gaseous detectors

Late 2013 – UKF project

“Study of the momentum correlations in high energy collisions using event structure criteria and ALICE detector at LHC”

200 000 Euro

- Includes work with GEM detectors



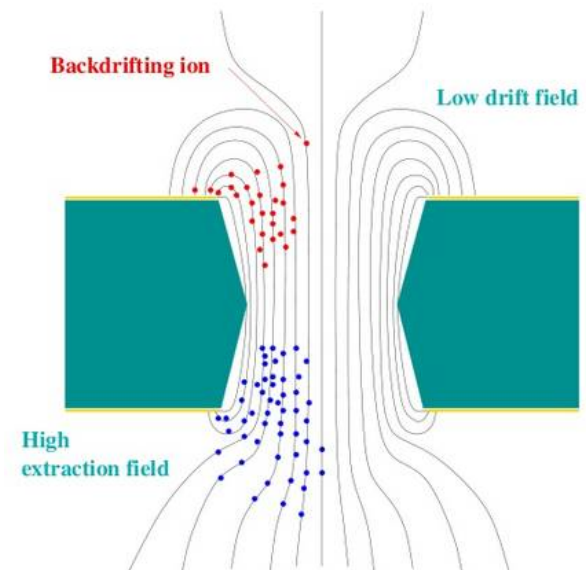
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- First interests in IBF studies



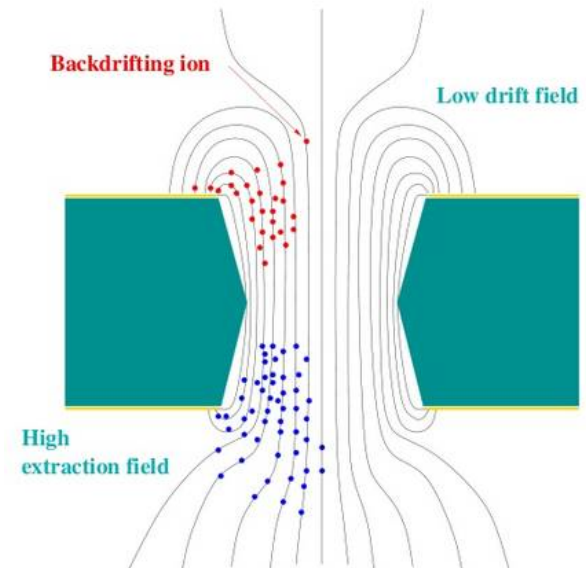
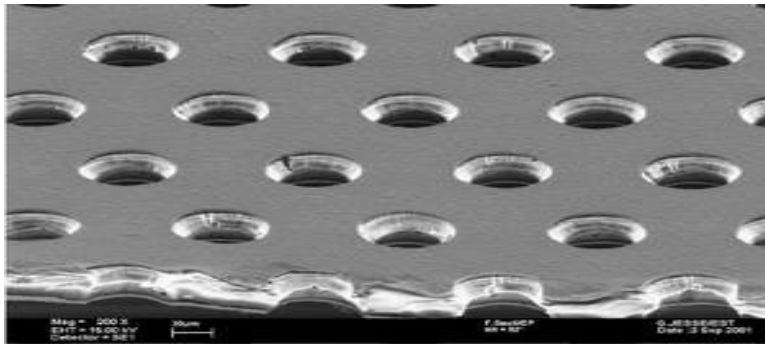
Gaseous detectors

Late 2013 – UKF project

“Study of the momentum correlations in high energy collisions using event structure criteria and ALICE detector at LHC”

200 000 Euro

- Includes work with GEM detectors
- First interests in IBF studies
- General interest in GEMs



Status and outlook

- Started acquiring basic equipment
- Made contact with other GEM groups (ALICE TPC – Chilo, Wigner center Budapest)
- Started work on the clean room
- GEM order on the way
- Expected to have (most of) the equipment in 3-4 months time

- Looking to expand knowledge in current GEM needs and specifying an exact goal
- In that effort, we would like to join the RD51 collaboration



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THANK YOU!