

HEPTech and IRFU

MTT on MPGD

HEPTech detector group

RD51 et HEPTech

Institutes pro active for UTT

- For HEP experiences Micromegas Bulk Technologies transfer as started in 2011.
 - CLAS12 and COMPAS experience funded with ANR SPLAM a MMT for bulk process with Elvia (ex CIREA)
 - 2011 small prototype of bulk done
 - 2012 several prototypes done with success
 - Large bulk size 600 mm x 700 mm = OK
 - Thin bulk on rohacell structure = OK
 - Prototypes with hand deposit resistive layer = OK
 - HL-LHC experience needs of 1000 m²
 - 2013 R&D for resistive serigraphy, first result OK
 - Goal for end 2013: large serigraphy bulk

- Since 2013 HEPtech detector group is formed with two co-conveners
 - Stephan Aune (IRFU)
 - Yvonne Leifels (GSI)
- Preparation of Academic Industry Matching Event
 - 2013 AIME Focused on neutrons detection
 - After 2013
 - AIME diamond detector
 - AIME on specific detection (gamma, Muon, ...)

- RD51 and HEPTEch: two networks with common goal:
 - MTT, Manufacturing Technology Transfer
 - Work done by RD51 members for experience
 - UTT: User Technology Transfer
 - Goal of HEPTEch and now of RD51
- Common action will be done
 - Information and tools sharing
 - Small AIME connected with RD51 annual meeting
 - Neutron AIME

- Can HEP institutes be proactive in UTT ?
 - Participation in AIME to meet industry
 - Identification and solution of “detector systems weakness” for industry
 - Work on “out lab technology”
 - When “idea of UTT” arise the demonstrator prototype must be done by/inside institutes.
 - .../...