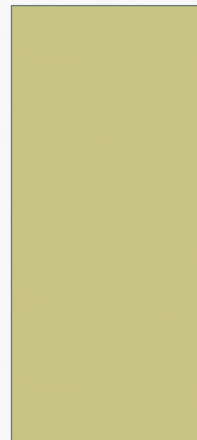


# THE CERN COURIER PAPER ON RD51

ACHIEVEMENTS IN THE LAST SIX YEARS



# ACHIEVEMENTS IN THE WG1

- Large size Micromegas and GEMs
  - Bulk Micromegas
  - Single-sided GEMs
  - New process for Large Size removable mesh
- GEM-Micromegas hybrids (for gaseous PMs and gamma polarimetry)
- Cylindrical and spherical MPGDs
- Resistive coatings for spark mitigation
  - Development of new coatings

# ACHIEVEMENTS IN OTHER AREAS

- The SRS readout system
- Progress in simulation tools
- Contacts with industry
  - Technology transfer
  - Academia-industry events
- Simple detector available at CERN's magasin

# PLANS FOR WG1

- Development of piggy-back readouts
- Sealed and portable detector
  - Portable HV
  - Clean non-outgassing materials
- New meshes and new GEMs:
  - Thinner gaps for High pressures
  - Thinner and higher pitch meshes for Ion Back-flow suppression
  - Low radioactivity meshes