

# **Industrialisation discussion**

**Rui De Oliveira**

# Present and realistic situation

- Micromegas:

- Eltos and Cirea have delivered working 10cm x 10cm detectors
- Eltos , Cirea and Triangle-labs have produced 2m x 0.6m single sided boards

- GEMs:

- Mecharonics in Korea have produced 30cm x 30cm GEMs (medium quality)
- Tech-Etch have produced 40cm x 40cm good GEM
- Tech-Etch is willing to sign the license for large size GEM production
- Techtra is setting up the production facility.

- THGEMS:

- ELTOS have produced THGEMS , still some stability/cleaning problems
- Print electronics is producing THGEM in Israel, little informations

# Future industrializations steps followed by RD51

- Micromegas:

- Invest in the layout of a 1m x 0.5m X/Y resistive BULK detector
- Follow productions of this detector with CIREA/ELTOS/TRIANGLE LABS ?

- GEMs:

- Mecharonics:
  - Any RD51 further actions with Mecharonics: technical help?
- Tech-Etch:
  - Any RD51 further actions with Tech-etch: technical help?
- Techtra:
  - Do RD51 should put an order of GEMs to Techtra?

- THGEMS:

- Any actions from RD51? Polyurethane coating characterization?

- Other topics?