

# GEM Production at NewFlex

# Some history

- NewFlex Technology
  - In South Korea
  - Manufactures flexible printed circuits
  - <http://www.newflex.co.kr>
- First contacts about two years ago
  - Through Korean participants in RD51
  - Changes in the company since then
  - Radio-silence for a long time
- Renewed contact in spring this year
  - With strong support from S.Park/Seoul

# First GEM production

- Visit of R. de Oliveira end of May
- Production of a small number of  $6 \times 6 \text{ cm}^2$  GEM foils
- Used single mask technology
- Tests at CERN on single GEM and triple GEM detector
- Results are very satisfactory

# Plans

- Visit NewFlex after Kobe meeting
- Discuss license contract
- Produce a small number of standard size GEMs ( $10 \times 10 \text{ cm}^2$ )
  - Fine-tune process parameters
  - Check on stability of product parameters (hole size)
- Go to production of large number of standard size GEMs for supplying CERN stores
- In parallel produce  $30 \times 30 \text{ cm}^2$  GEMs
- Then go to larger sizes (CMS)