

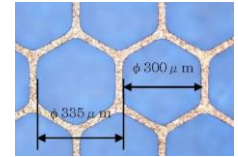
## Asian GEM module

Double GEM ( $t=100\mu\text{m}$ ) → Designed to accommodate the gating foil.

### Items to be studied

(immediate plans)

- Optimization of GEM module design and configuration.
  - Improving the gas gain uniformity.
  - Improving E-field distortion at module boundary.
  - Considering to modify the readout pad design.
- Gating foil
  - Establishment of manufacturing method of the gating foil for mass production.
  - R&D of the gate control system.
- Performance check under high magnetic field.



(further step)

- R&D of readout electronics
  - Reducing material budget, reducing power consumption, high integration, cooling, ...
- Software development
- Gas system, slow control, ...

*Some of these are common for both readout system (GEM/MM)*