

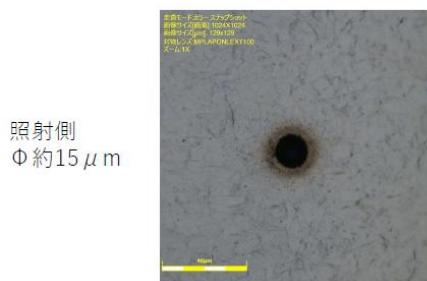
## micro-hole test

- Motivation
  - MIMAC-like ion injection to TPC?

- Result
  - Yes.

- Manufacturing
  - Two companies found (Hikari-kikai, Orbray).
  - $\sim 1 \mu\text{m}$  diameter hole on  $10 \mu\text{m}$ -thick SUS foil

### Hikari-kikai tapered hole



反対側

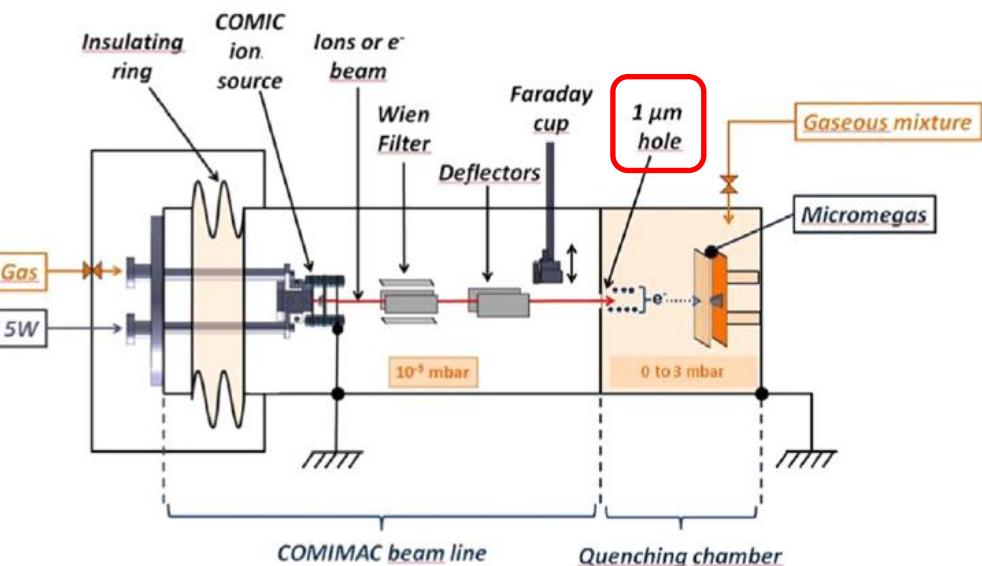
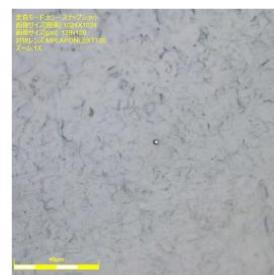


Fig. 2. Schematic of the COMIMAC beam line facility.

### Orbray more straight hole

2025/1/6

Orbray株式会社  
作成:志村

No.1

 $\Phi 2.9$  $\Phi 1.2$ 

No.2

 $\Phi 2.7$  $\Phi 0.8$  $(\mu\text{m})$

- test (B4 members)
  - used Hikari-kikai's one
  - vacuum tightness : OK
  - 3MeV proton injection to TPC: OK

