

# Mini Li evaporator concept

## Combine Dropper and Li crucible technology

- heat mid-plane yttrium crucible to 700°C
- drop ~ 200 mg of Li powder into crucible after discharge.
- all Li promptly evaporated to upper vessel.

## Advantages:

- no shutters
- evaporation seconds before next discharge – little reactions with residual gases
- 2 midplane locations cover upper vessel
- dropper technology mature.
  - Controllable Li dose
- ~ point source collimation
  - easy to avoid RF antenna
- ~ 2.75" conflat feedthrough

