

Microweekly 33

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15th August 2018



Program to have access to microgravity

❑ Drop Your Thesis! – Drop tower

- $10^{-6}g$
- From 4.74s to 9s
- Once/year



❑ Fly Your Thesis! – Parabolic flights

- 30 parabola
- 20s each
- $10^{-2}g$
- Once/year



❑ Orbit Your Thesis! - ICE Cubes

- 1st time
- Good microgravity quality
- Experiments' size: 1U to 4U

❑ REXUS/BEXUS rocket & balloon experiments – Sounding rockets

- 3min max
- $10^{-3}g$
- Once/year

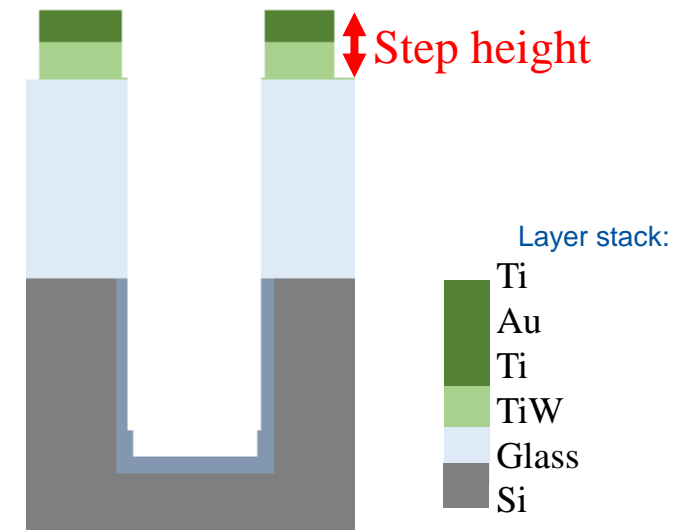


Shadow Masks

- Masks were realized in before the planned date

Etching of Titanium

- Etching done in STS Multiplex ICP
- Ar + Cl₂ mixture for 100s
- Step height reduced from 670nm to 650nm



Next steps

- Validate recipes
- Etch diced μ OHP and thermo-compress connectors