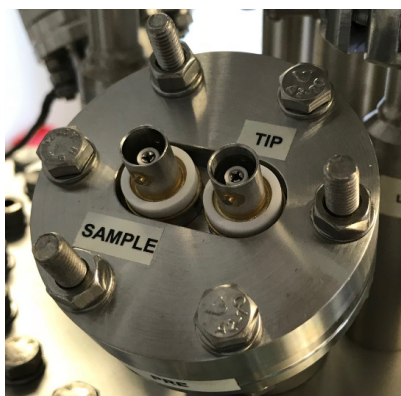


## 2xBNC Feedthrough Upgrade for LT STM

Best signal quality achievable



- Measurement of tunnelling current via tip or sample
- Dual biasing (sample and/or tip)
- No leaking current



Enables upgrade of early LT-STM instruments with V4 Preamp technology (SPM PRE 4E)

Enables compatibility with SO RF Filter for STM

## Summary

### Parts needed:

- BNC 2f Feedthrough
- Internal wiring (Coax cable for Sample contact and/or IT)
- Preamp adapter cable Dsub to BNC

### Requirements:

### Limitations:

- Only compatible with SPM PRE 4E
- Some old sample acceptor require modification for separate sample contact

### Options:

- Combine with SPM PRE 4E upgrade