

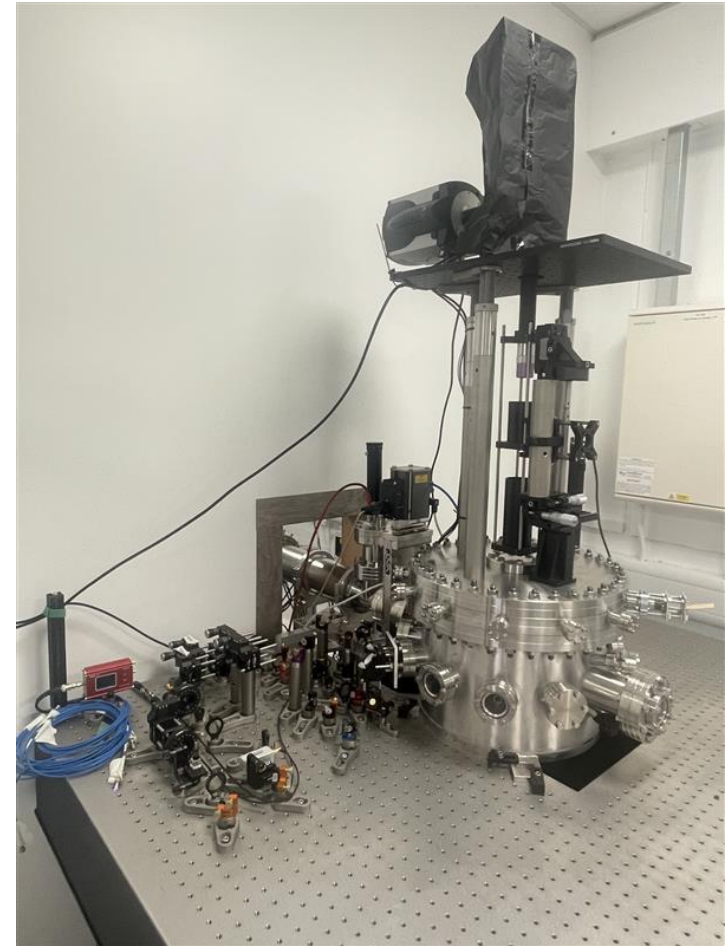


Update on Birmingham HCI Clock

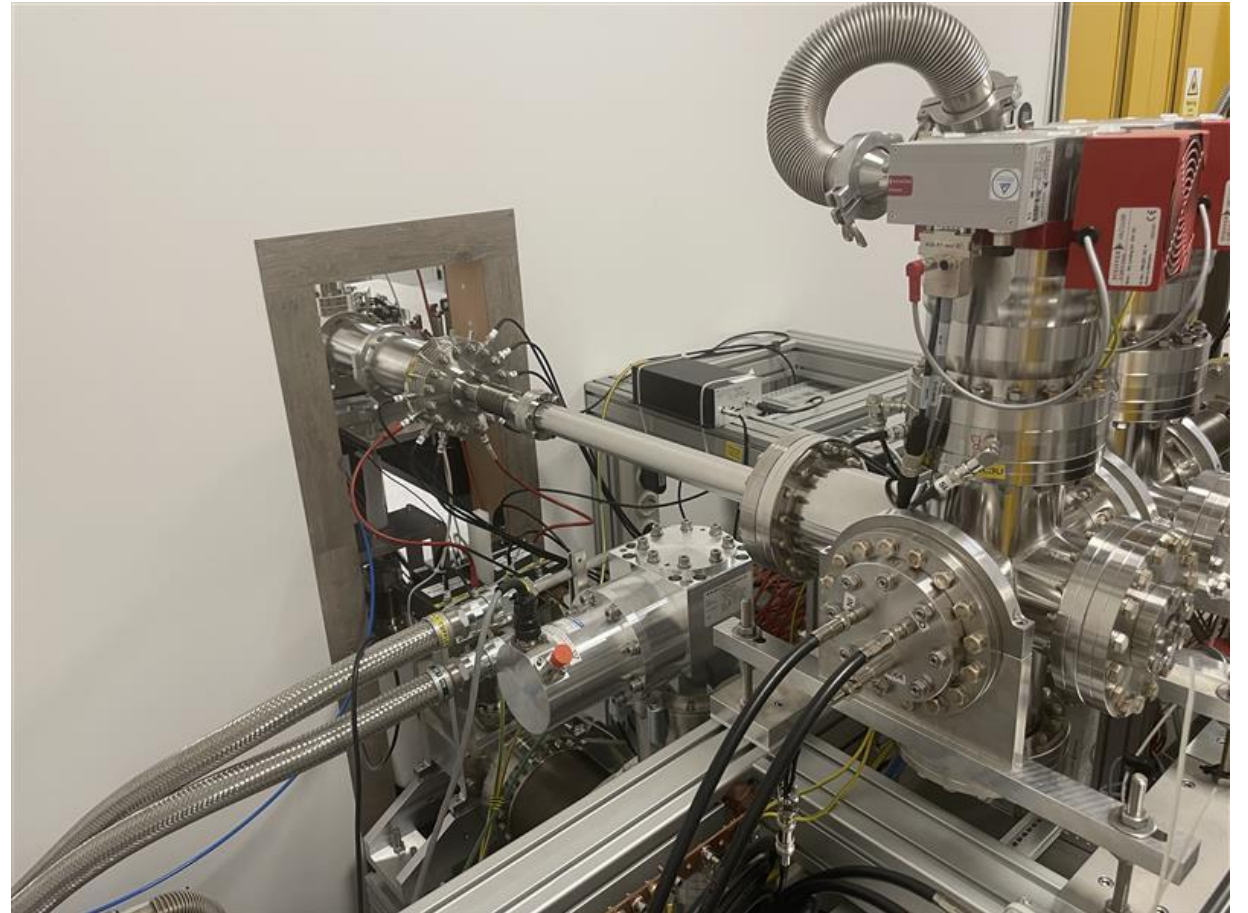
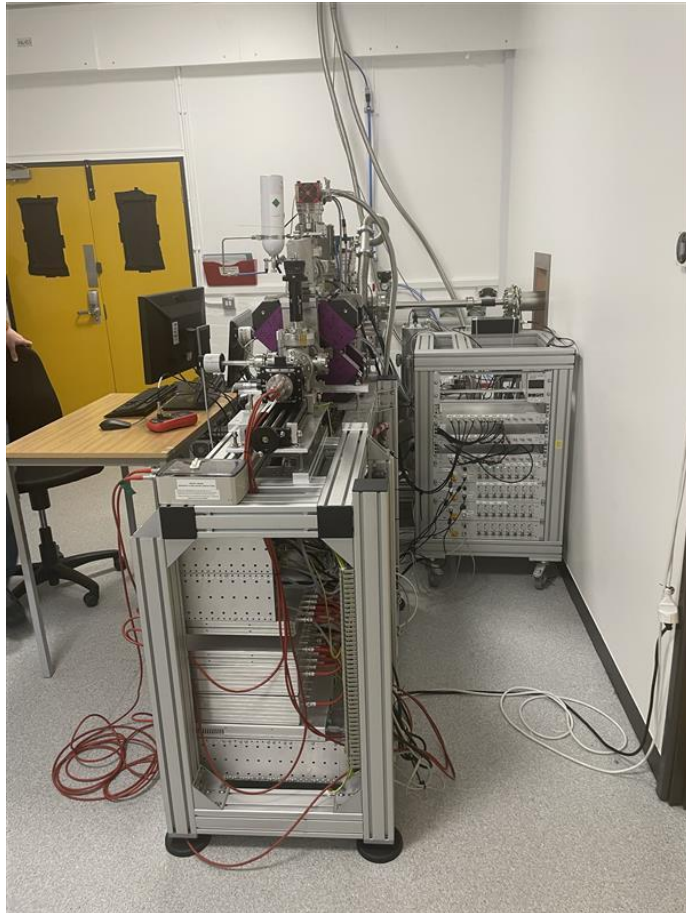
Aaron Smith, Leonid Prokhorov, Mingyao Xu, Giovanni
Barontini



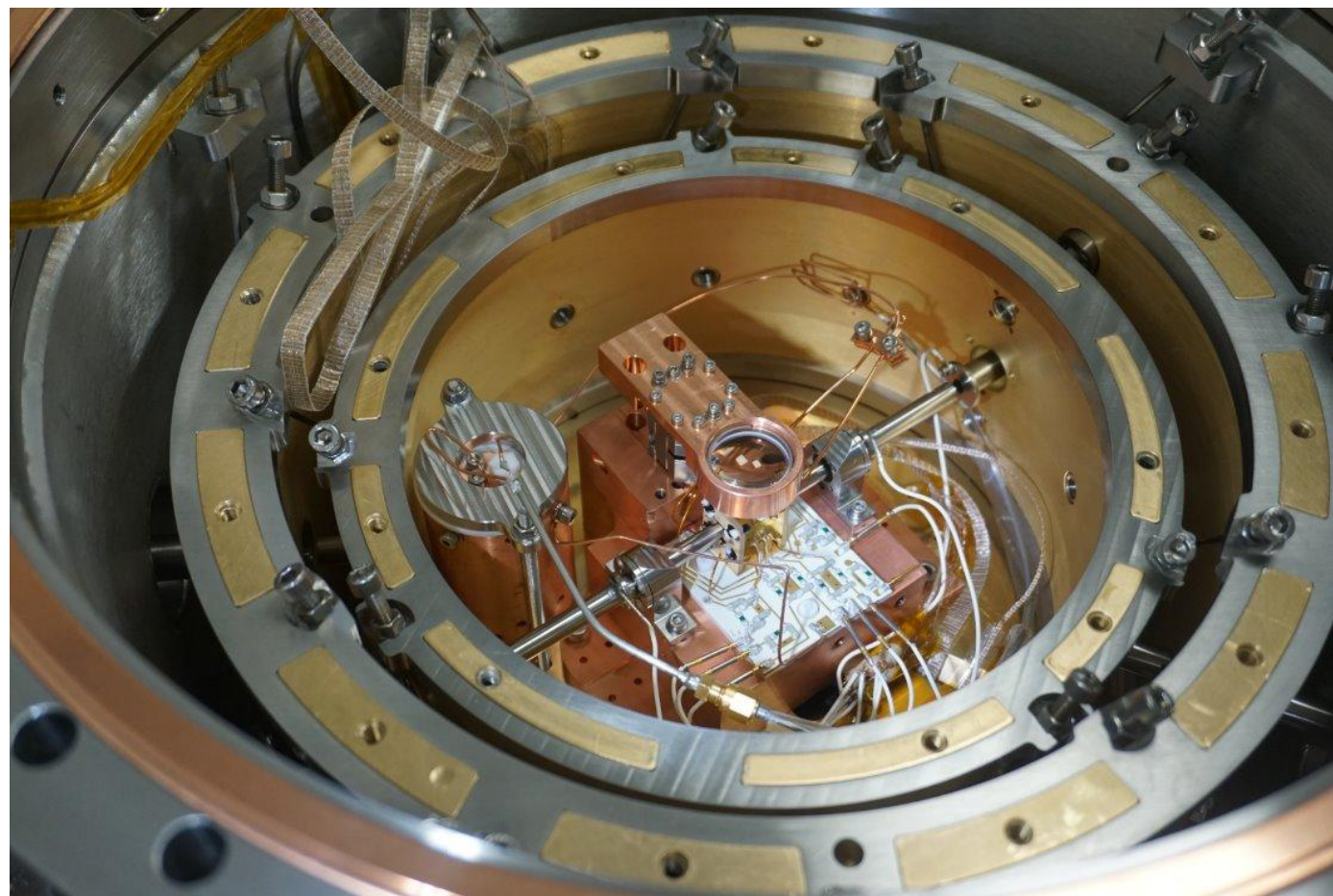
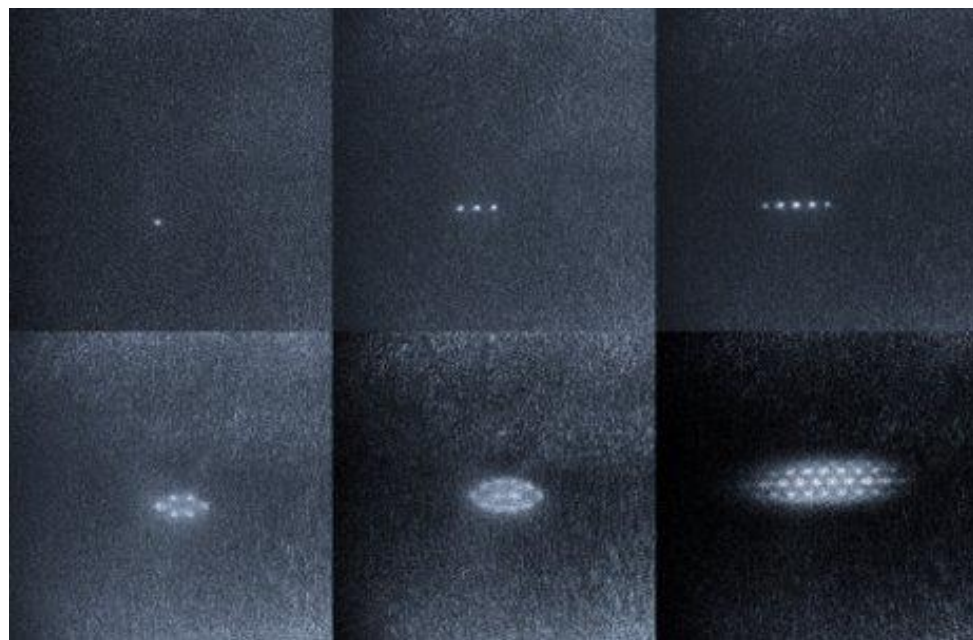
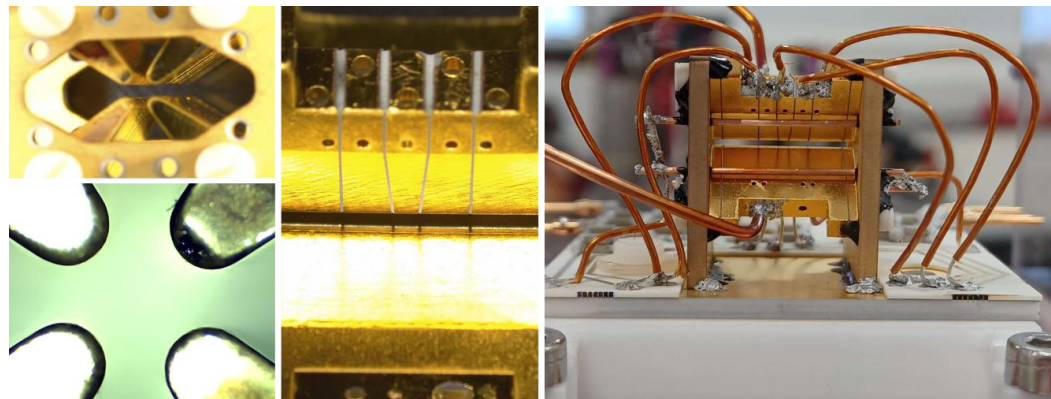
Ion Trapping Segment



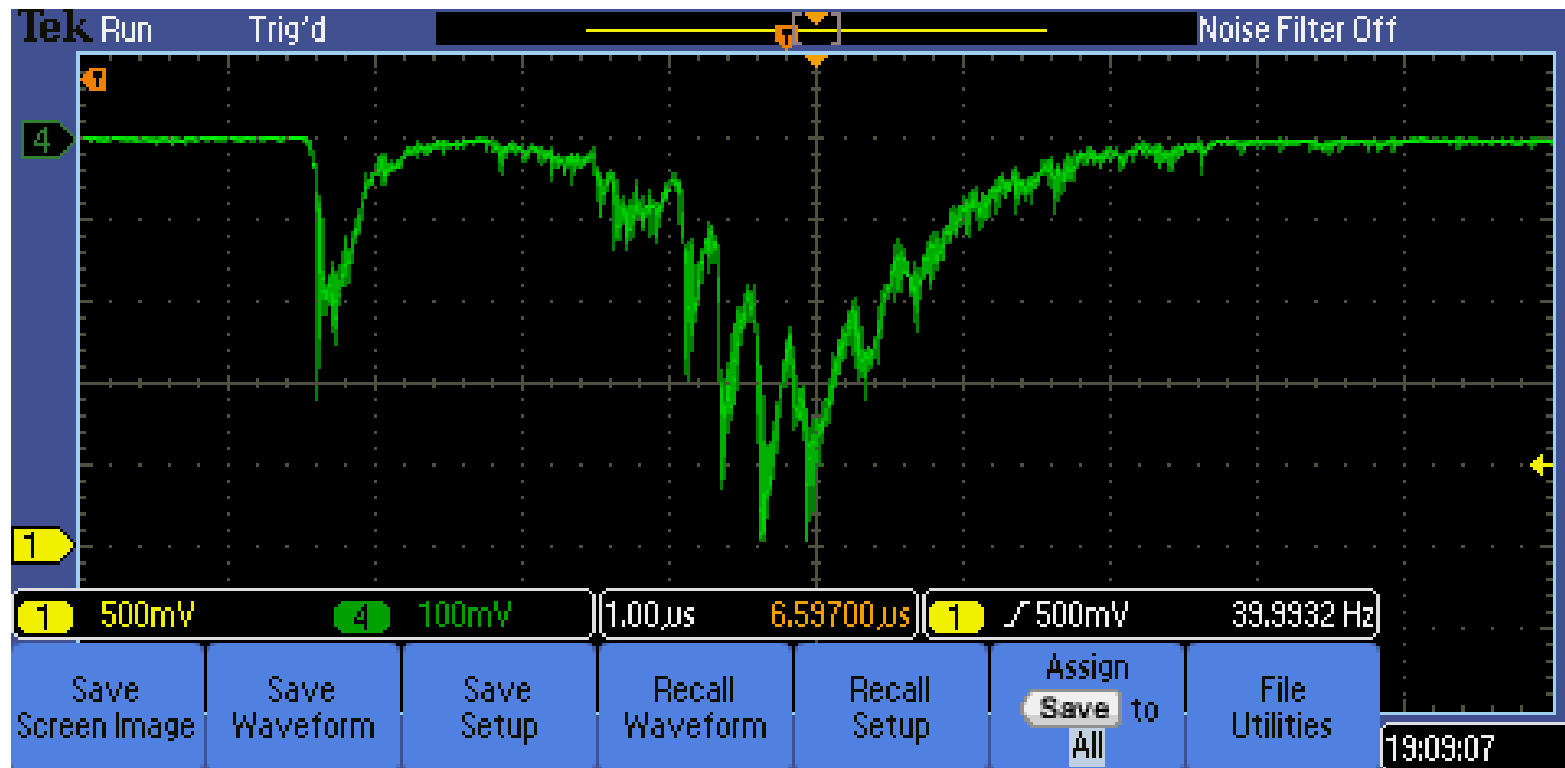
EBIT Segment



Paul Trap and Calcium Crystal Status

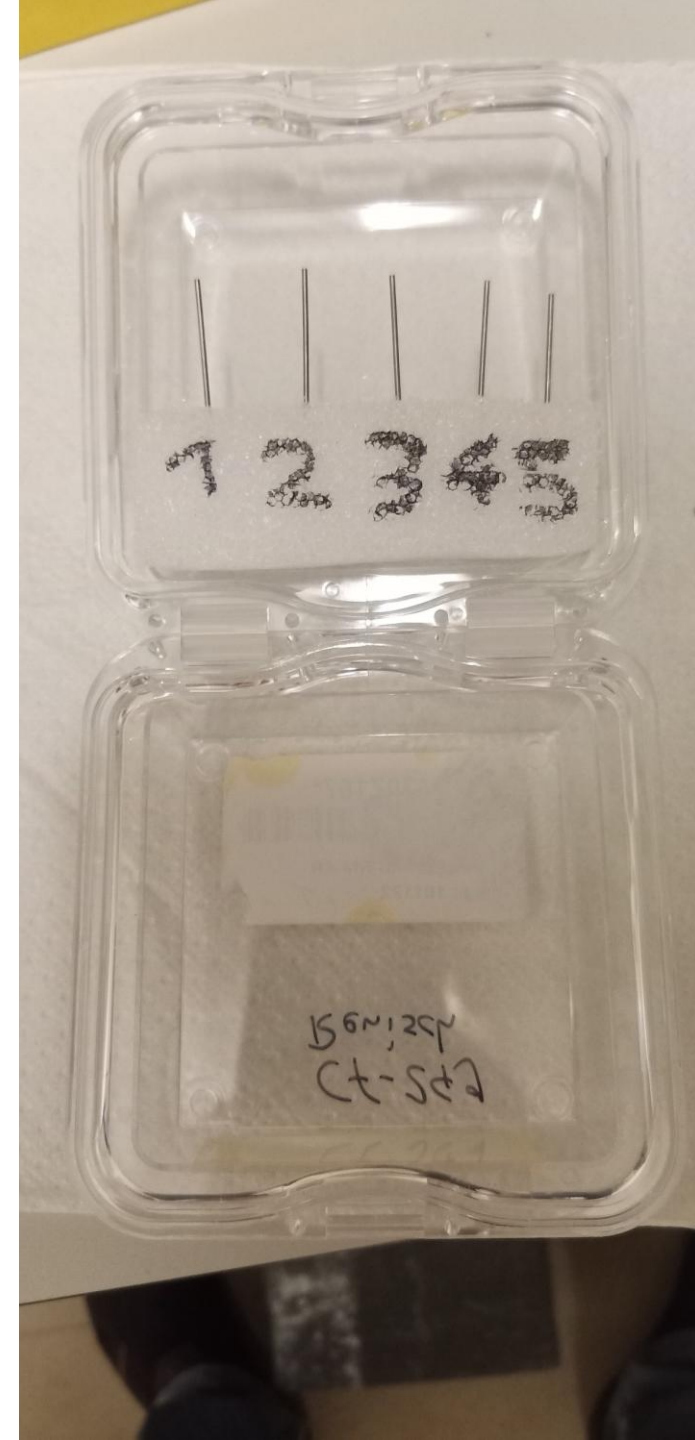


First Argon HCl Signal



Californium samples

- Received the Samples of Californium



Conclusion

- Cryogenically cooled ion trap achieved
- Calcium crystal achieved
- HClIs achieved

Next steps

- Implanting HC Argon
- Create californium HClIs
- Implant Californium HCl