**March 2009 – Replaced Original LLGUN HV Chamber with Spare**

Bake 1 – Leaky NEG feedthrough

* Ramp 100C in 12 hours
* Ramp 250C in 14 hours
* Soak 250C for 60 hours
* Activate NEG’s last ~4 hours
* Ramp 120C in 4 hours
* Soak 120 C for 4 hours
* Ramp RT in 4 hours

Bake 2 – Vacseal NEG feedthrough

* Ramp 250C in 14 hours
* Soak 250C for 24 hours
* Ramp 120C in 6 hours
* Soak 120 C for 4 hours
* Ramp RT in 8 hours

Bake 3 – Remove NEG feedthrough and blank off

* Ramp 230C in 12 hours
* Soak 230C for 32 hours
* Ramp 120C in 4 hours
* Soak 120 C for 4 hours
* Ramp RT in 4 hours

**July 2009 – Installed INVGUN1 at CEBAF**

Bake 1 – First bake

* Ramp 100C in 4 hours
* Soak 100C for 12 hours
* Ramp 250C in 12 hours
* Soak 250C for 60 hours
* Ramp to 120C in 4 hours
* Soak 120C for 4 hours
* Ramp RT in 4 hours

**Pre Bake**

* QE scan
* Cycling/closing in override Gun2 & 1I07 valves
* Apply LOTO to Gun2 HV cable
* Remove HV grease
* Retract puck
* Record base pressure
* Remove/store 2I magnets
* Monitor Prep vacuum
* The new RGA turned on OK, both FCup/CEM mode and used w/ Hepp~10-10Torr for good leak check all joints/feedthroughs.
* The extractor gauge on OK and ~1.9E-7 Torr after ~1 hour
* The anode feedthrough isolation good >40 MOhm
* The NEG feedthrough ~1 ohm & appears we have internal short to chamber (degas by bake, instead of current)
* ac seal applied to braze joints (RGA, extractor, already on HV insulation joints)

Bake

**Post Bake**

* Check alignment of Prep in HV chamber
* Check retroreflection of a photocathode
* Check ion pump HV cable