

## August 27, 2019

Placing the slides with the robot will take much longer than it will take when we move to the fixture (and also much longer than hand placements) because each slide has to be placed individually. You can see from my slides from July 25 ( <https://indico.cern.ch/event/836308/> ) that with the robot placements it takes 12 minutes to run through a set of 4 adhesive patterns and place the slides on top of them. Proceeding with robot slide placements we could demonstrate 3 or 4 quads per syringe (there is a 1 hr syringe pot life and ~15 minute thaw time).