

HST Working group 1

S'Cool LAB 1: 3D Printing

3D printable things & education

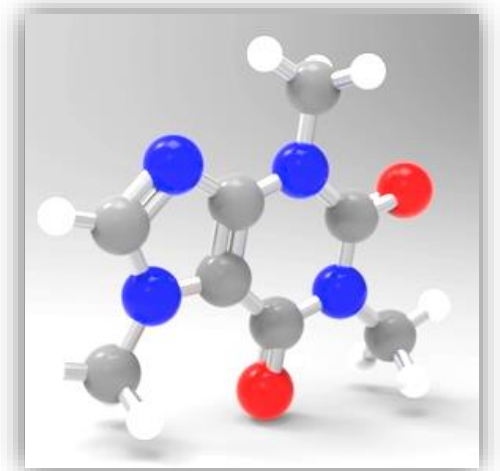


- More and more 3D printers & 3D printable things available
- e.g. www.thingiverse.com/education
- So far: many structural models
- Only a few functional model

model of an animal cell
[www.thingiverse.com/
thing:689381](http://www.thingiverse.com/thing:689381)



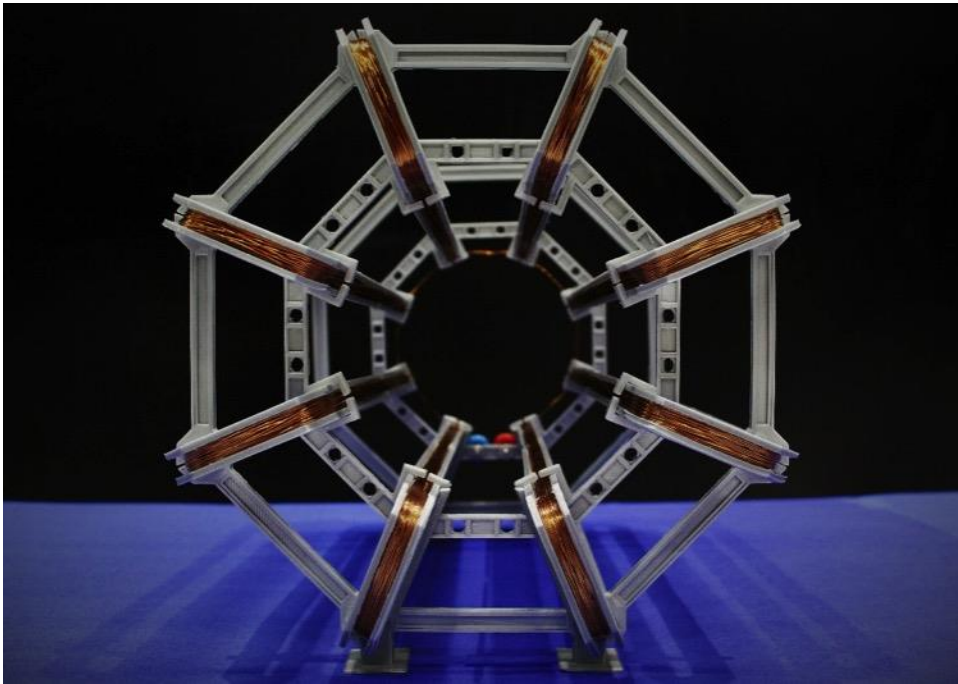
model of a caffeine molecule
[www.thingiverse.com/
thing:876224](http://www.thingiverse.com/thing:876224)



model of ALICE detector
[http://cern.ch/alicematters/
?q=ALICE_3D_models](http://cern.ch/alicematters/?q=ALICE_3D_models)

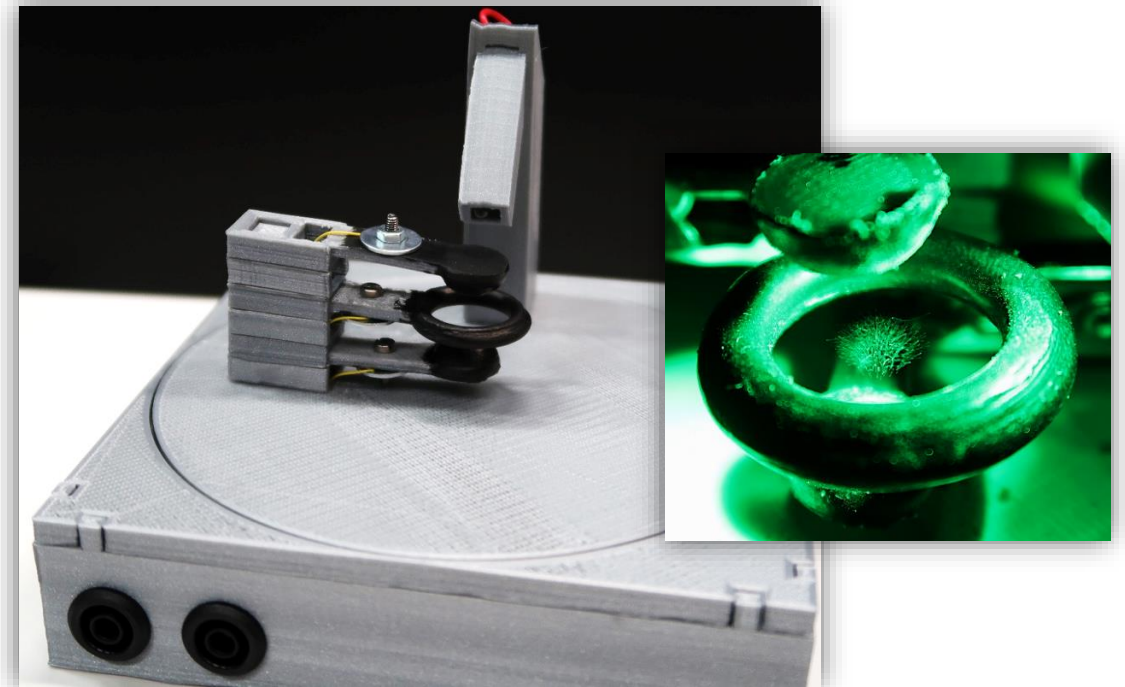
Functional 3D model

ATLAS toroid



S'Cool LAB www.thingiverse.com/thing:1722230

Quadrupol Ion Trap



Goals

- Build Quadrupole Ion Traps and study the experiment and give us your feedback
- Brainstorm for other experiment ideas (in particle physics)
- Build prototype and study the new experiment
- document the construction process (DIY Manual)

Questions?



“That may not be the best option for printing out your novel.”