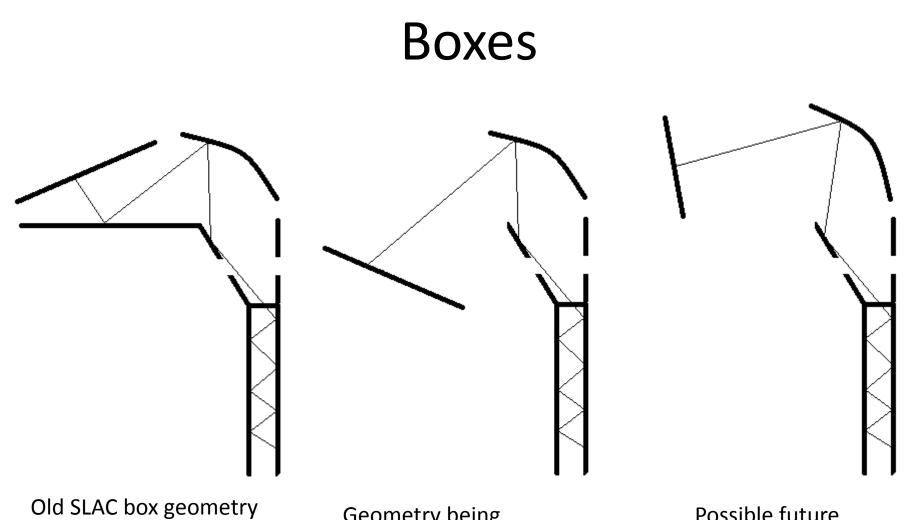
DiRC Mirror Geometry Progress

John Hardin Adviser: Mike Williams MIT PID upgrade group: Justin Stevens Baptiste Guegan

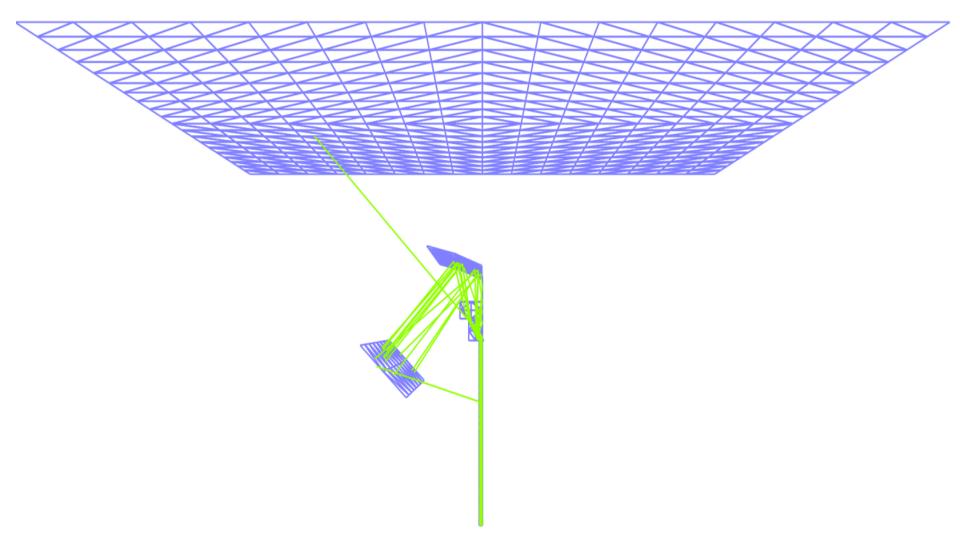
Simulation method

- Use Goptical
- Simulate geometric surfaces and material properties (index of refraction)
- Generate rays in cone at random translation along bar depth and random phi along cone
- Rotate cone based on particle angle (perpendicular to bar in this case)



Geometry being simulated now

Possible future geometry to reduce oil volume



Current Geometry

