**Outline**

1. Abstract

\_\_\_

1. Introduction
   1. Theory
      1. Background of Glauber Model
         1. Analytic vs. Monte Carlo models
         2. Ingredients to the model
            1. Density profile
            2. Collision Cross section
      2. Experimental applications
         1. RHIC Au+Au collisions
            1. Include figures of their results
         2. LHC Pb+Pb collisions
            1. Different energy regimes

\_\_\_

* 1. Objectives of program
     1. Freely available Github project
        1. Provide user-friendly code to utilize Monte Carlo Glauber model to collide different elements on demand
     2. Provide analysis on on-going collisions being explored at RHIC and LHC

\_\_\_\_

1. Data
   1. Source of data
   2. References to Cern and DeVries results.

\_

1. Program
   1. Examples to test to show how code is run
   2. Shows results for Au+Au at 200 GeV for comparison to ARVIX (Miller et. Al.) results.
   3. Test case for He3+Au at 200 GeV and Pb+Pb at 2.76 TeV.
2. Results/Analysis
   1. Provide detail on code variances from other models with explanations on what is found.
3. Conclusions
   1. Summarize
   2. Future goals
4. References
5. Appendix
   1. Code