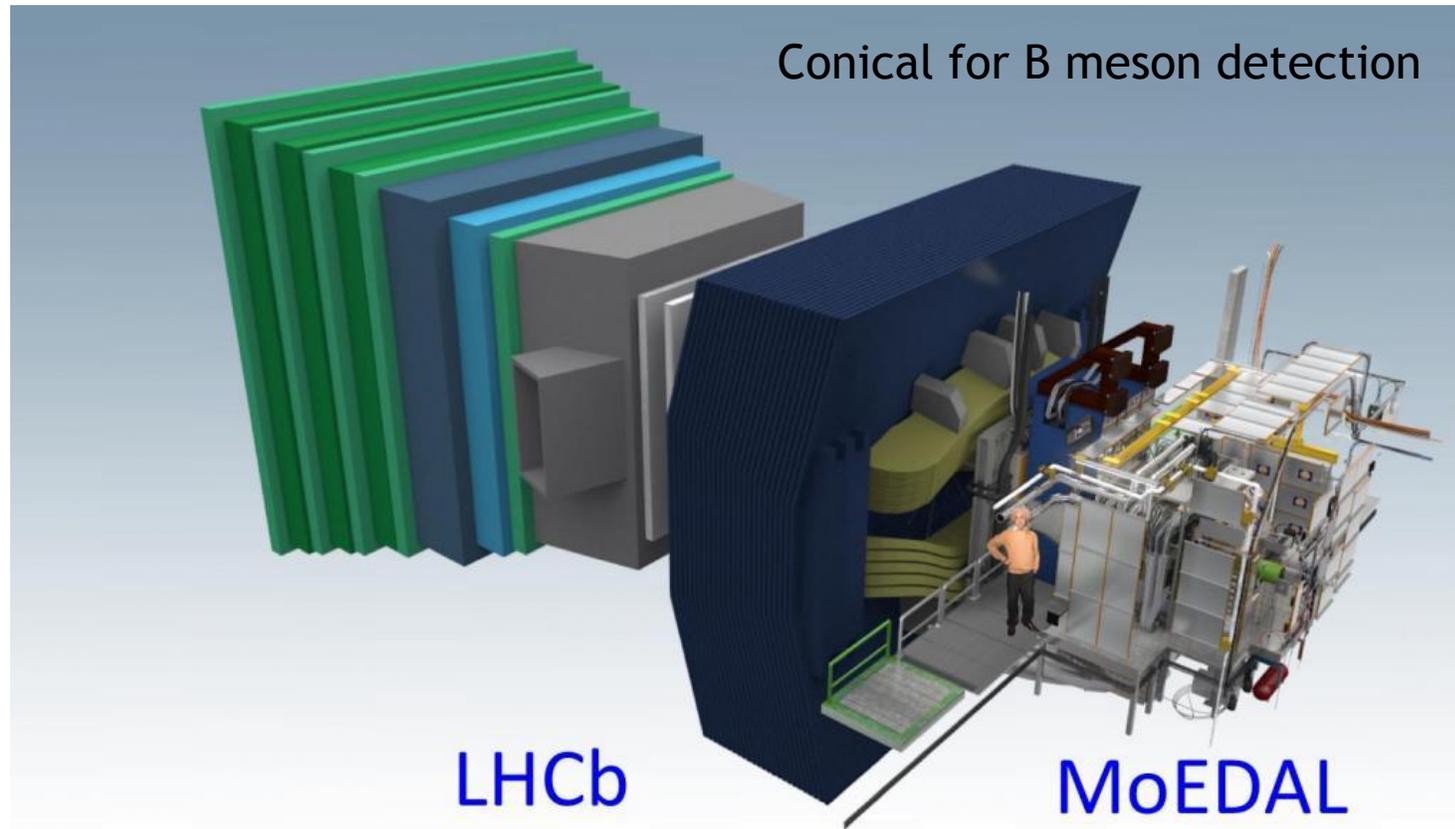


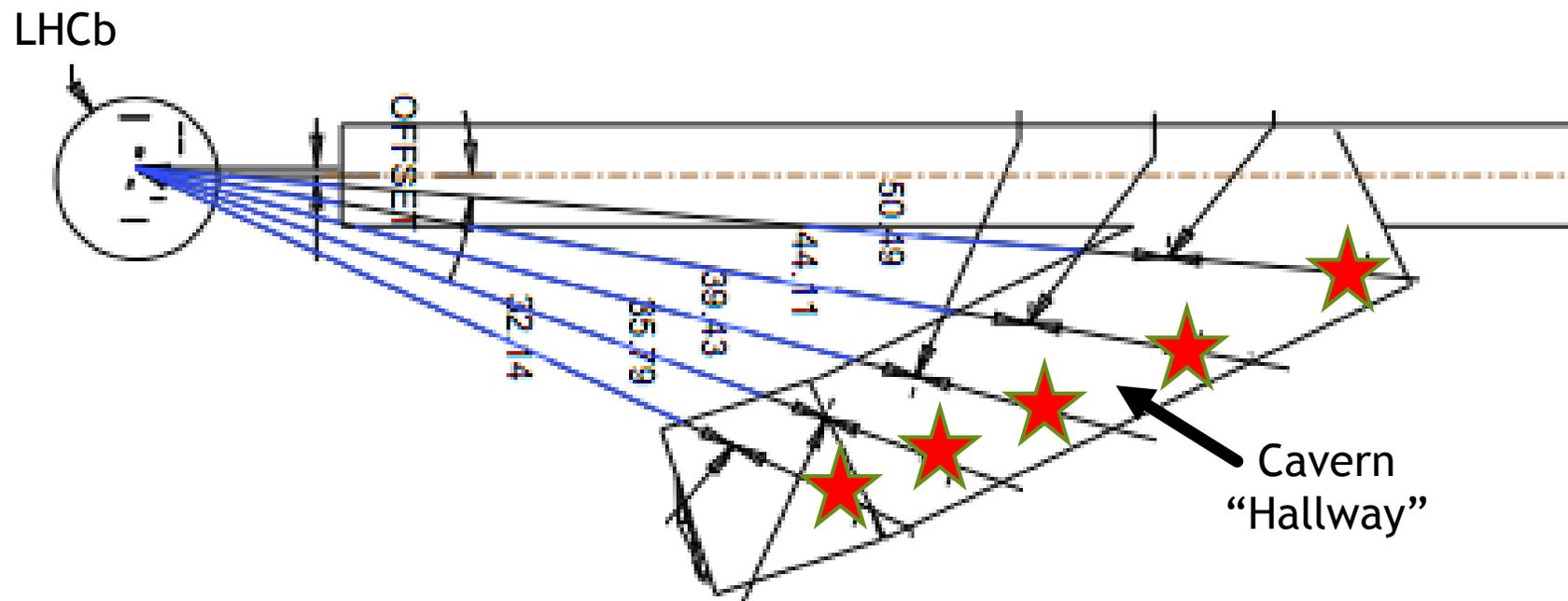
Monopole and Exotics Detector At LHC (MoEDAL)

Joseph Shomar, University of Miami

Current MoEDAL Detector



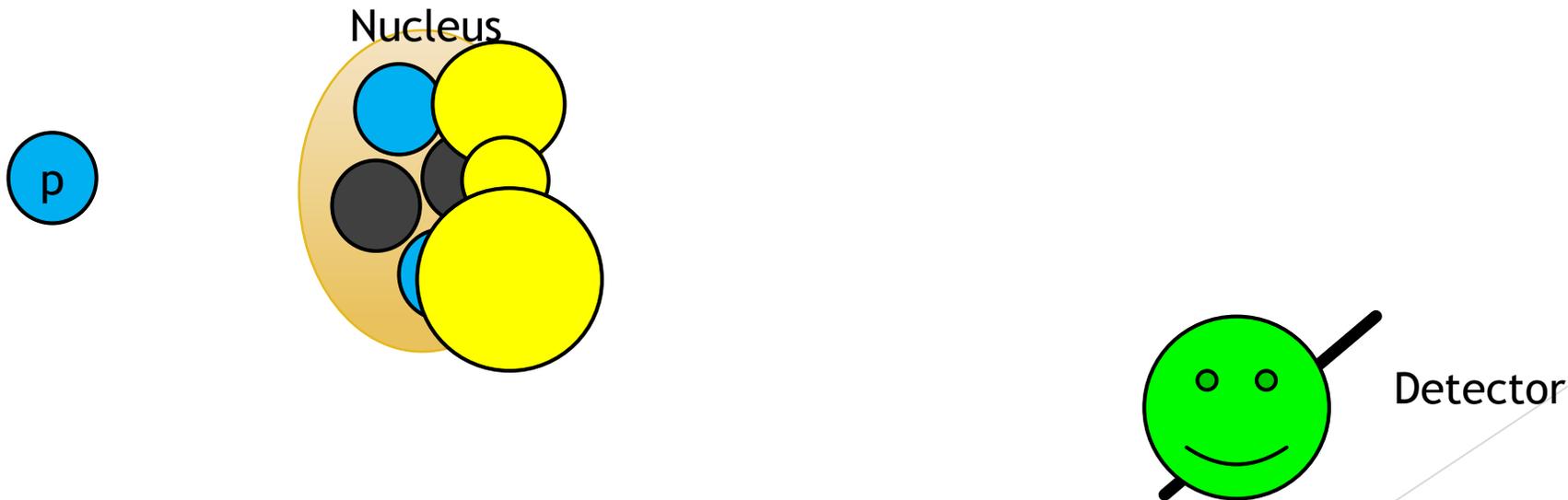
Future Adjustable MoEDAL Detector



★ Possible Detector Placement

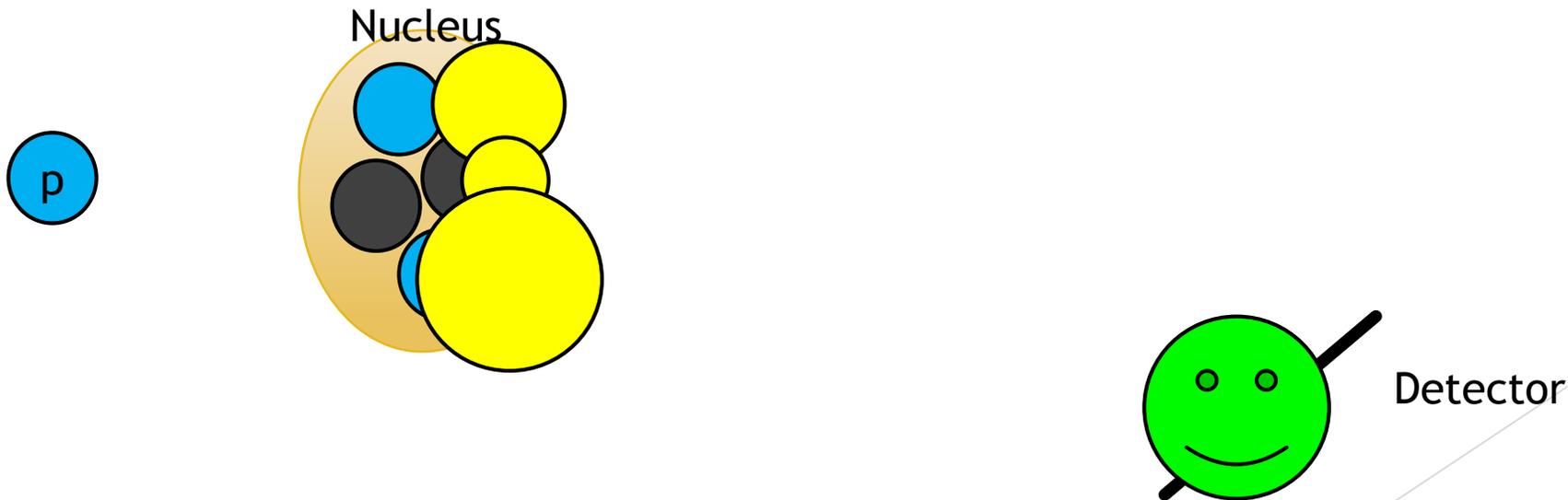
Simulating Collisions and Detection

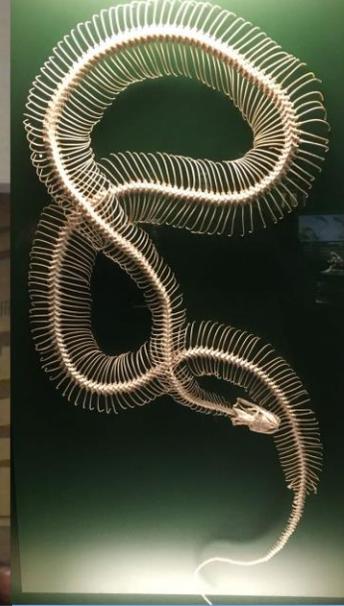
- ▶ Use MadGraph for fixed target collisions MC simulations
 - ▶ Imported MCP model
- ▶ Use C++ scripts and ROOT to simulate external detector
 - ▶ Geometry of collision trajectories and cavern



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Fun Experiences (So Far!)

