





# Instrument read-out & Experiment optimization in simulation: Experience from the past.

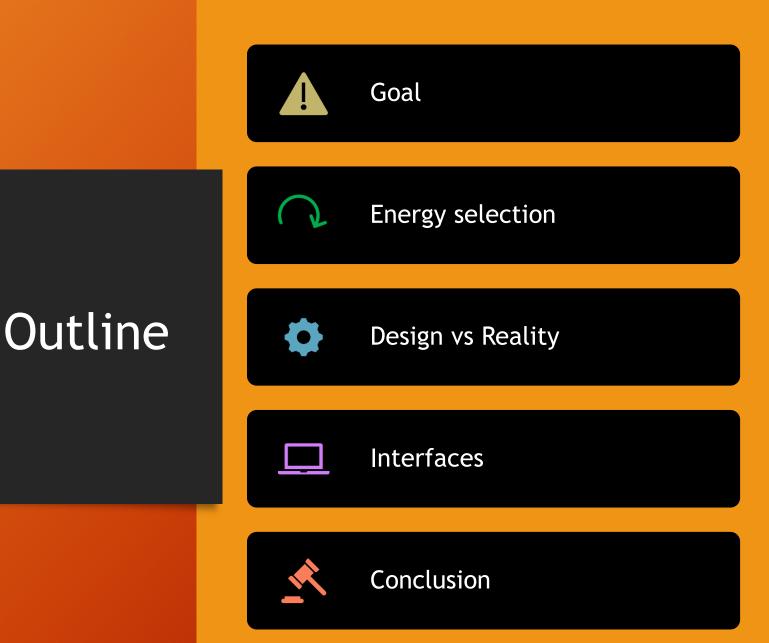


Volodymyr Rodin



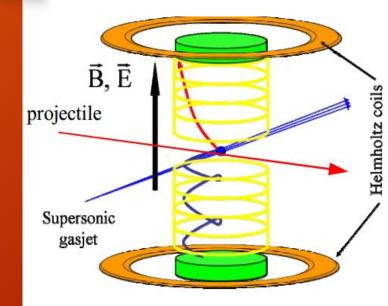






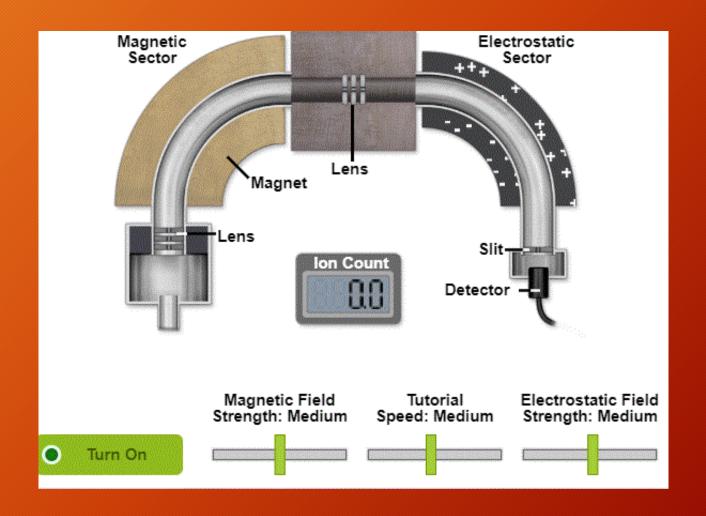


- Investigation of low energy antiproton collisions with gas jet target.
- Design of reaction microscope and reaction rates.
- Highly depends on interacting beam quality! Time and energy parameters.



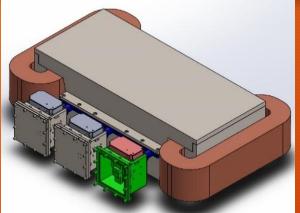


#### Energy selection

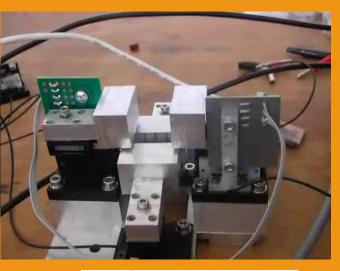


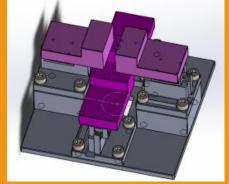
## Design vs Reality

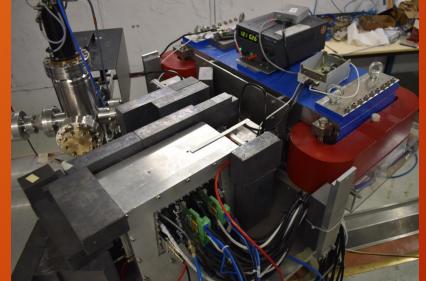


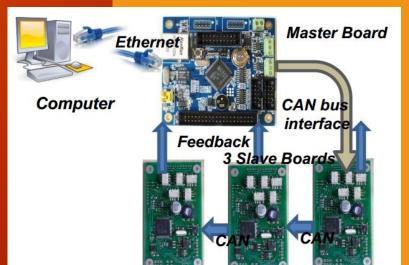








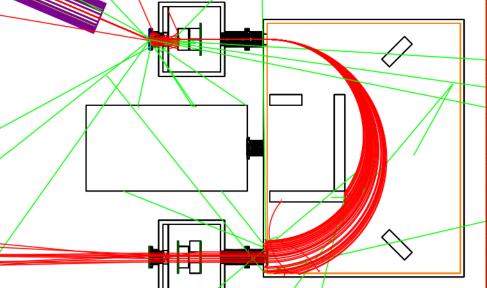


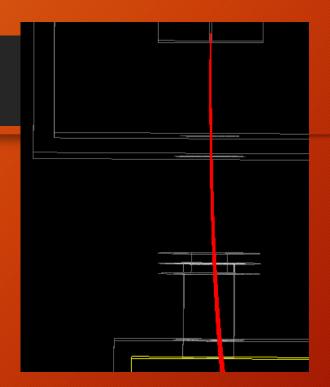


### Design vs Reality





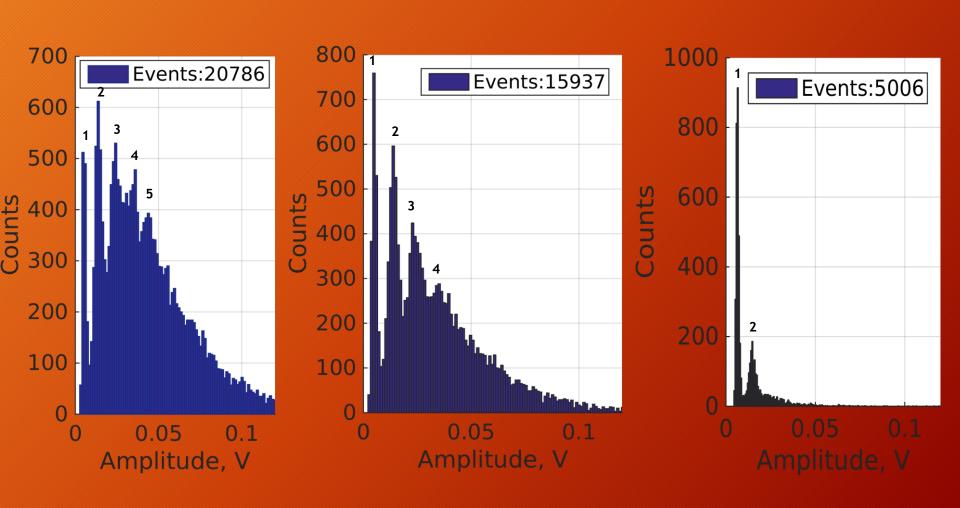


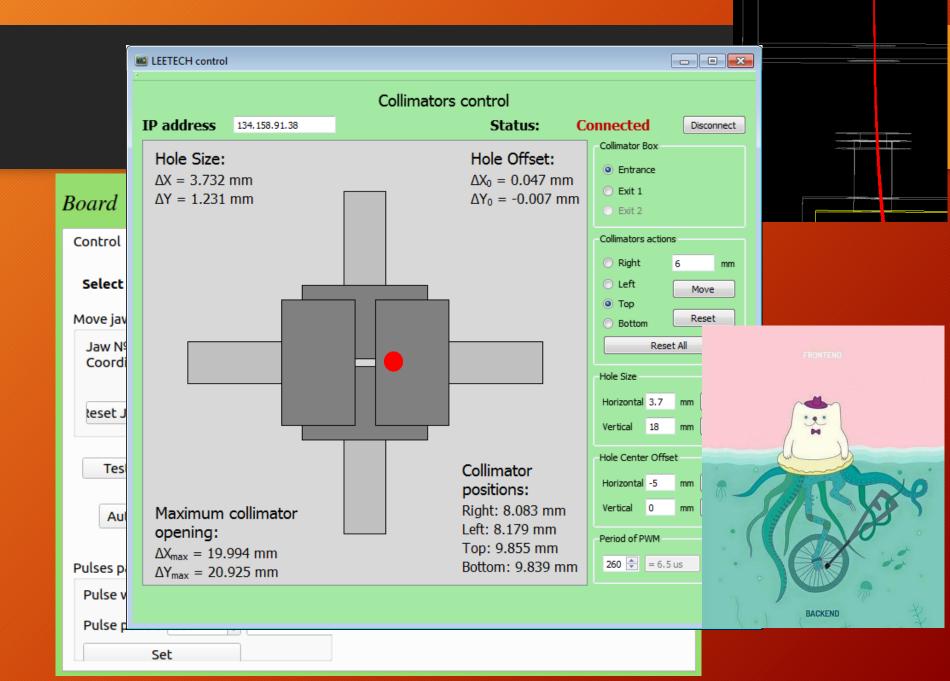




#### Design vs Reality

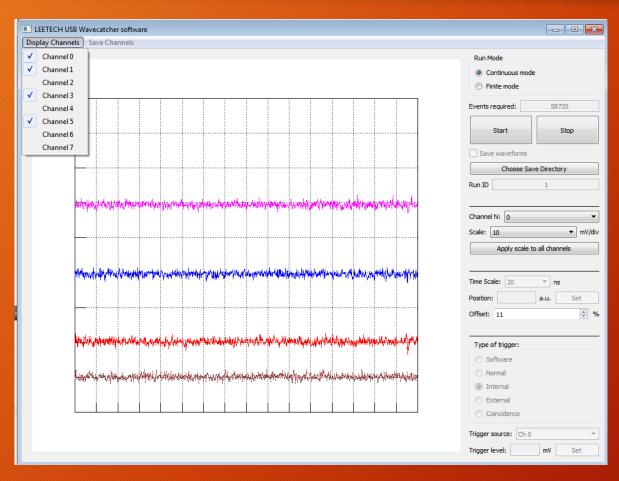






#### Interface: Scope









# Conclusion

- Versatile instrument for any type of studies with energy selection
- Design of your device should provide possibility of error compensation
- User friendly interfaces!!!
- System control is a matter of taste/simplicity and budget