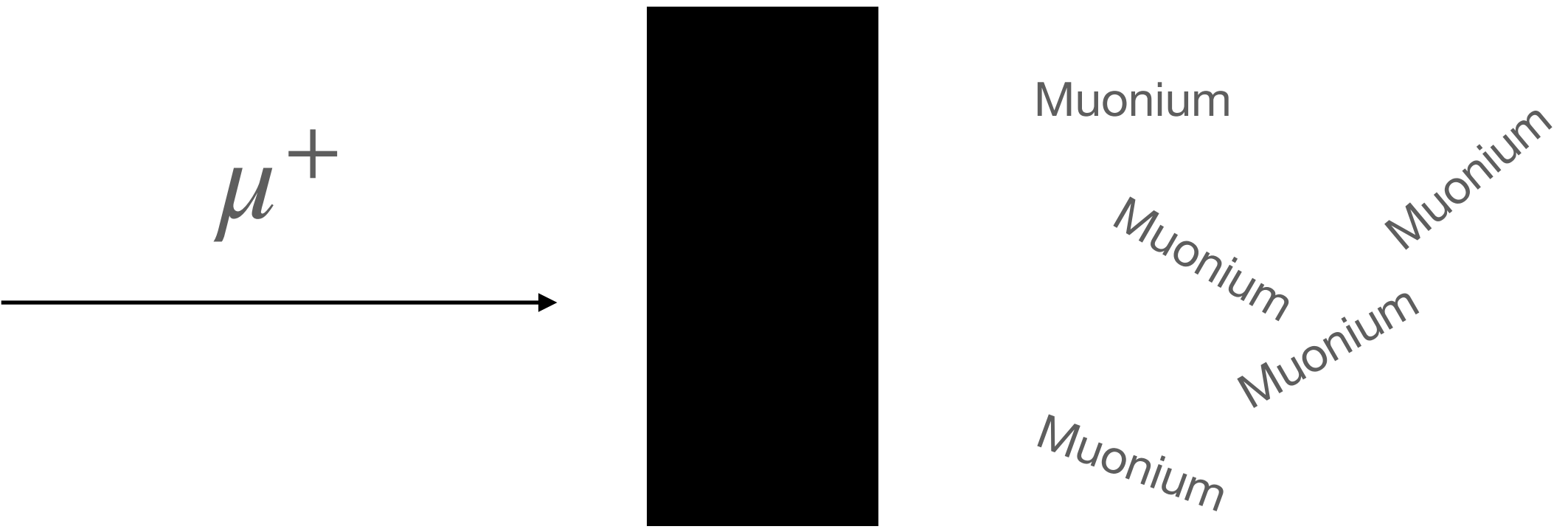


Muon beam

Silicon aerogel

Vacuum



What is their distribution?

What are the muonium's energy levels?

Many more questions  
I don't have the time to cover...

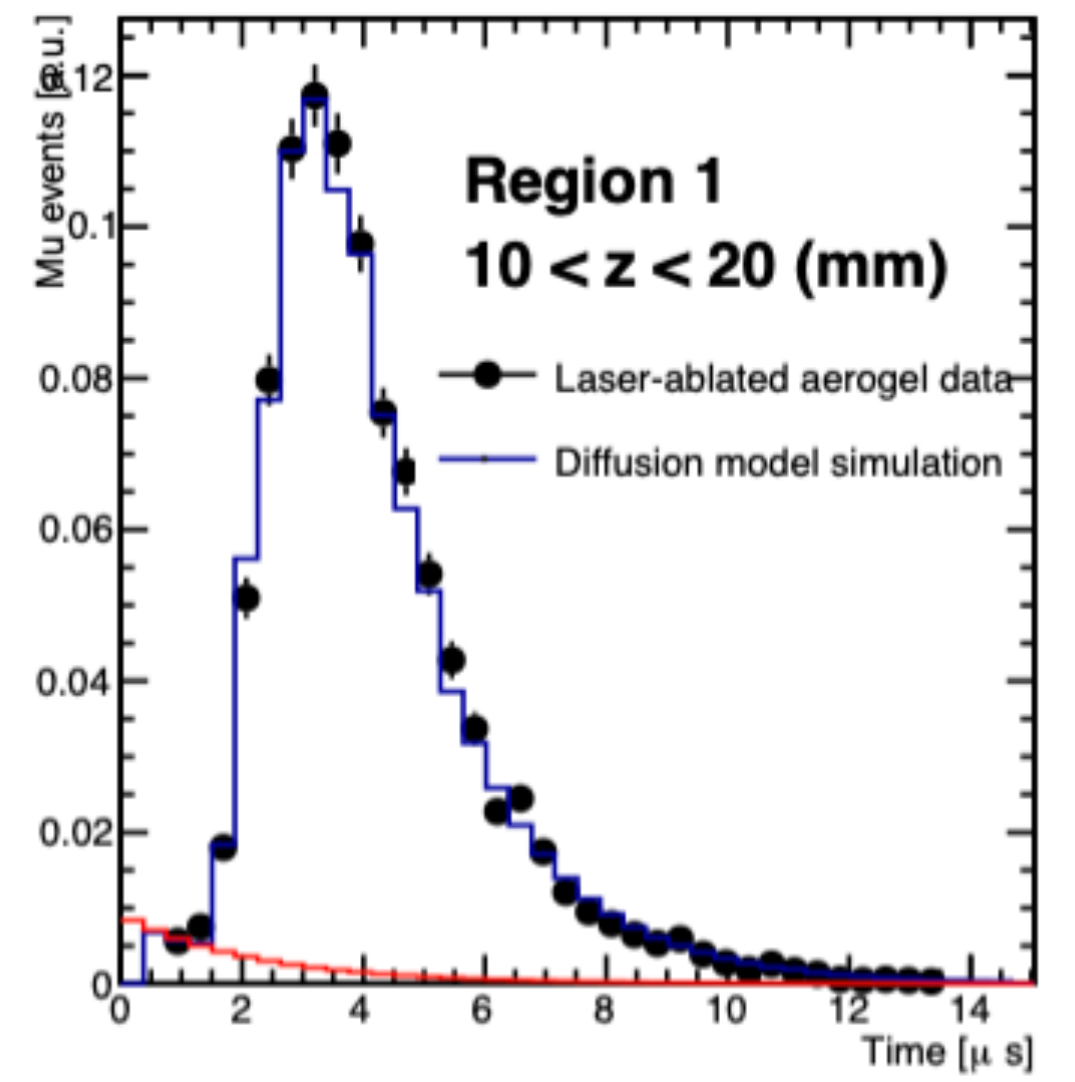
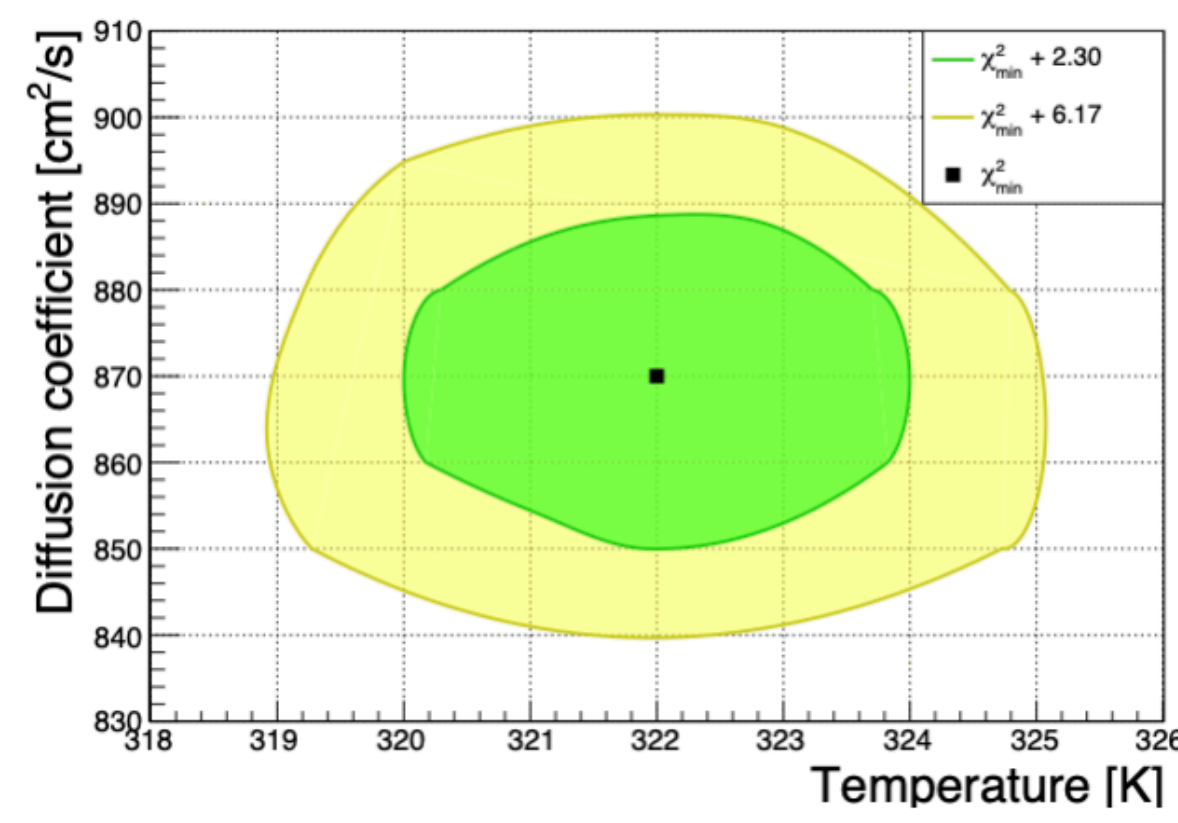
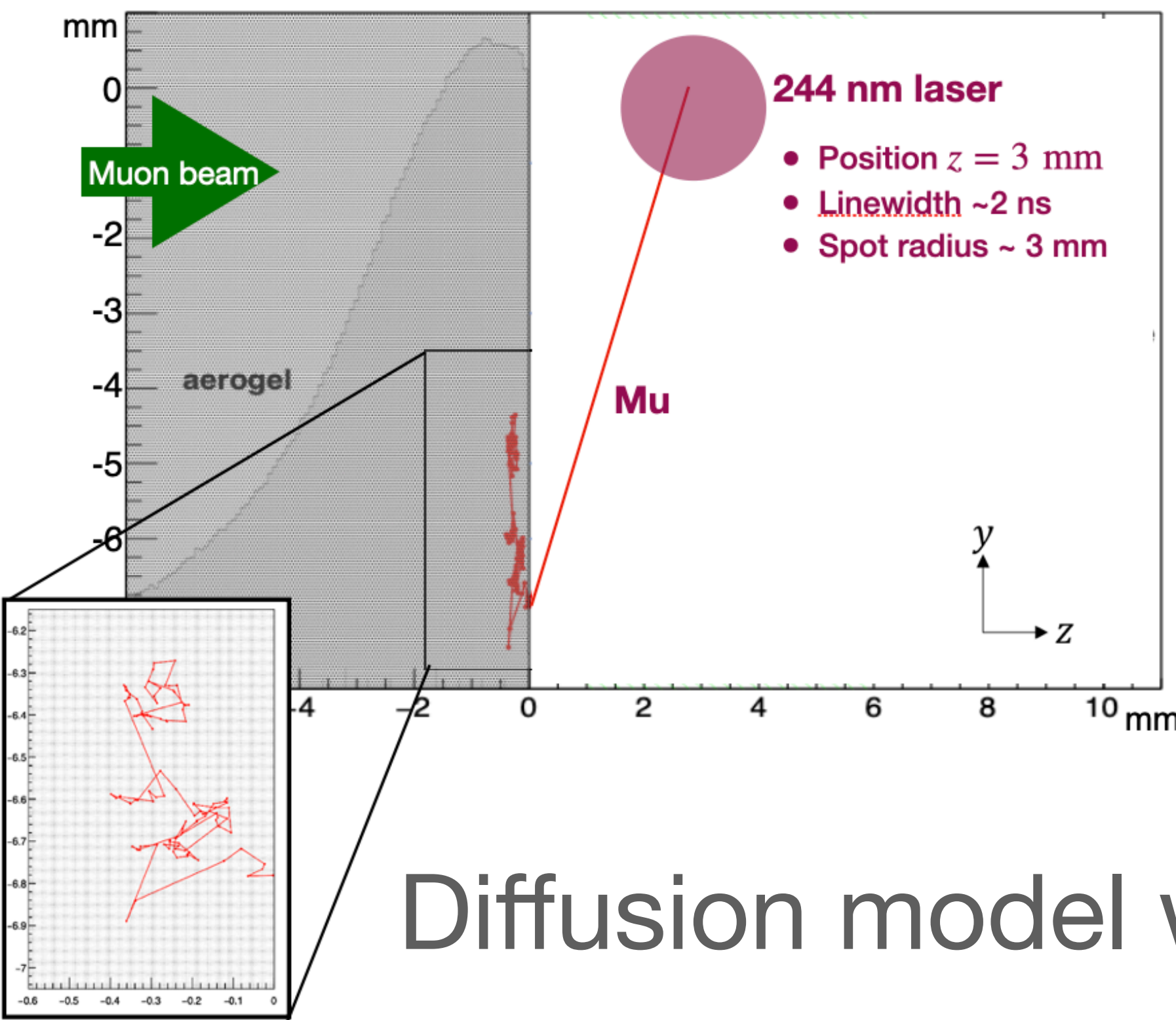


Jeremy has an idea (not at all Cedric's idea)

This needs parameters:

- D (diffusion parameter)
  - T (temperature)
- **D = 870 cm<sup>2</sup>/s, T = 322 K**

Related to mean free  
path length  $l_{mfp}$   
Related to velocity



Diffusion model with random walk