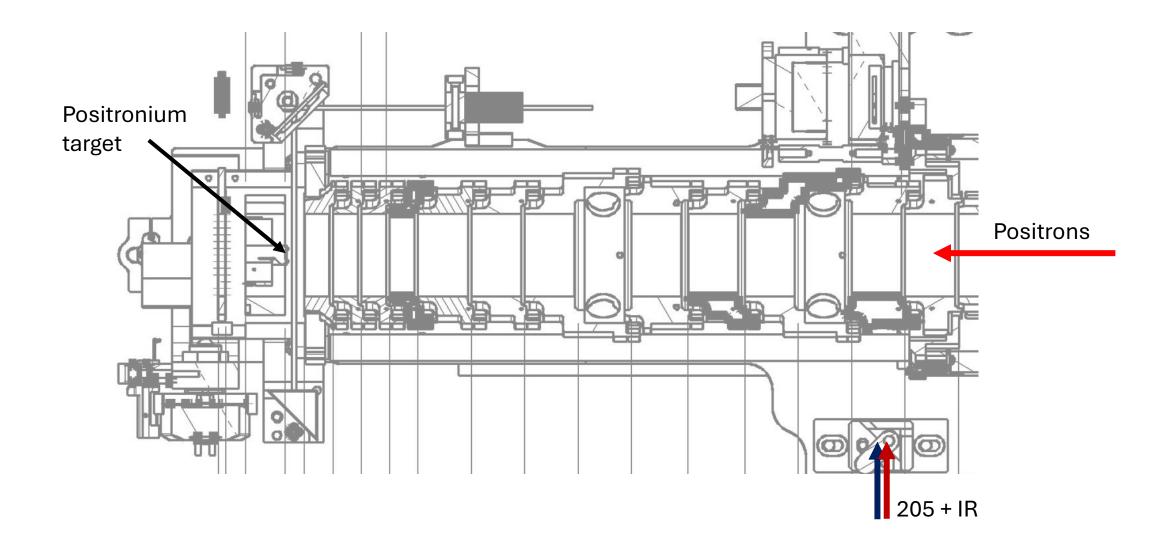
Rydberg positronium spectroscopy

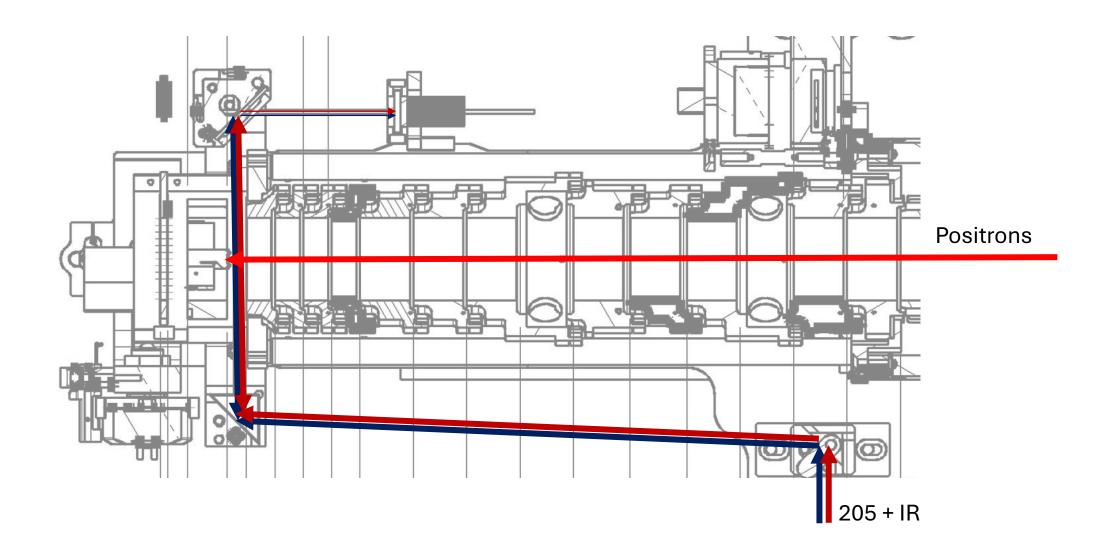
Valts Krumins

Benjamin Rienacker

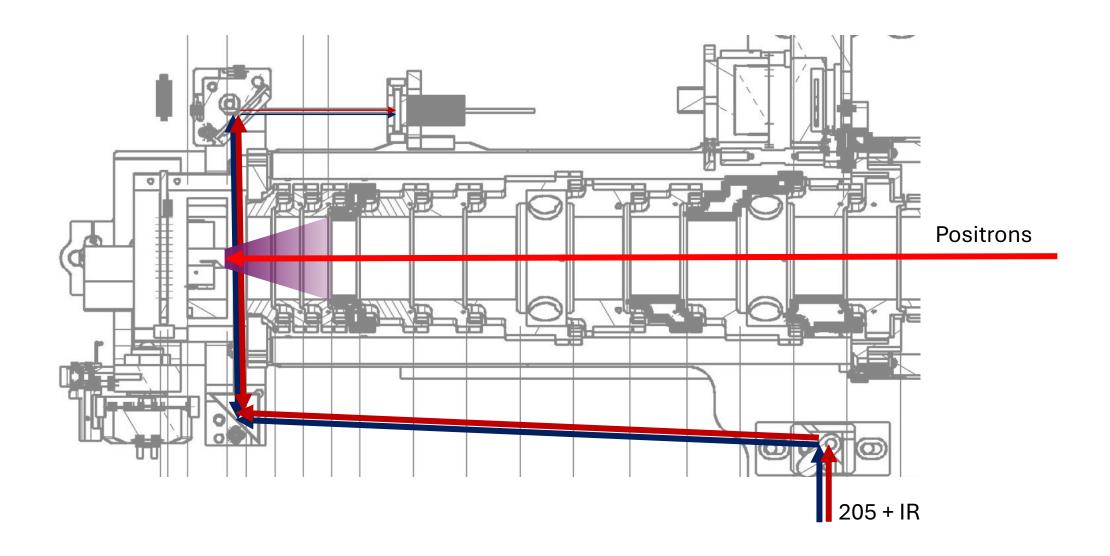
How is positronium made?



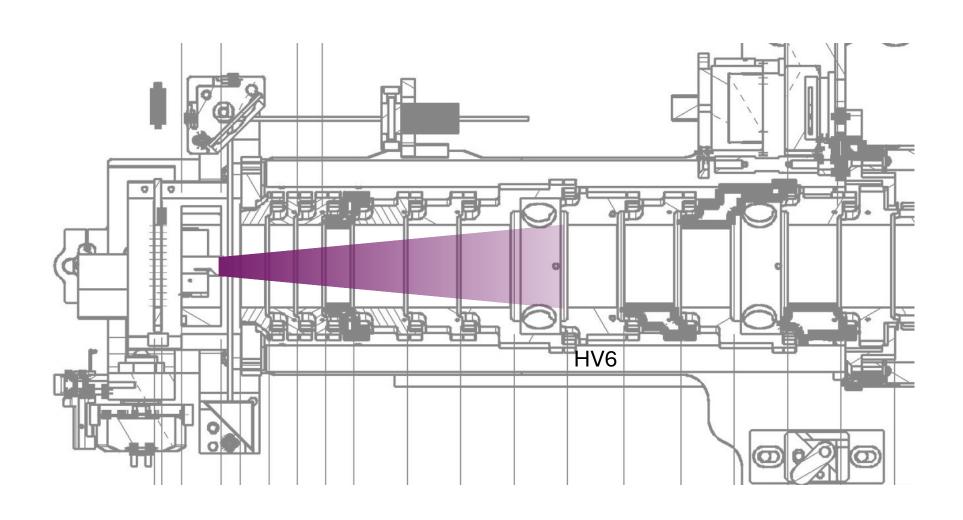
How is positronium made?



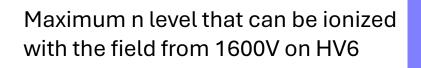
How is positronium made?



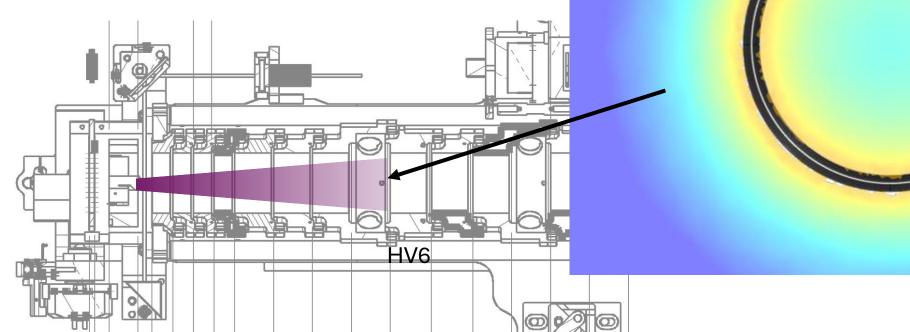
How we see what we made?

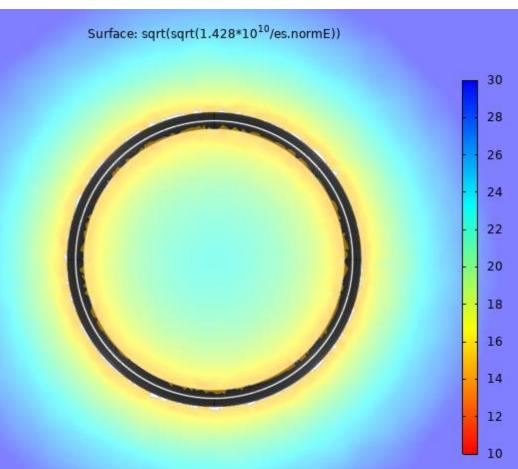


How we see what we made?

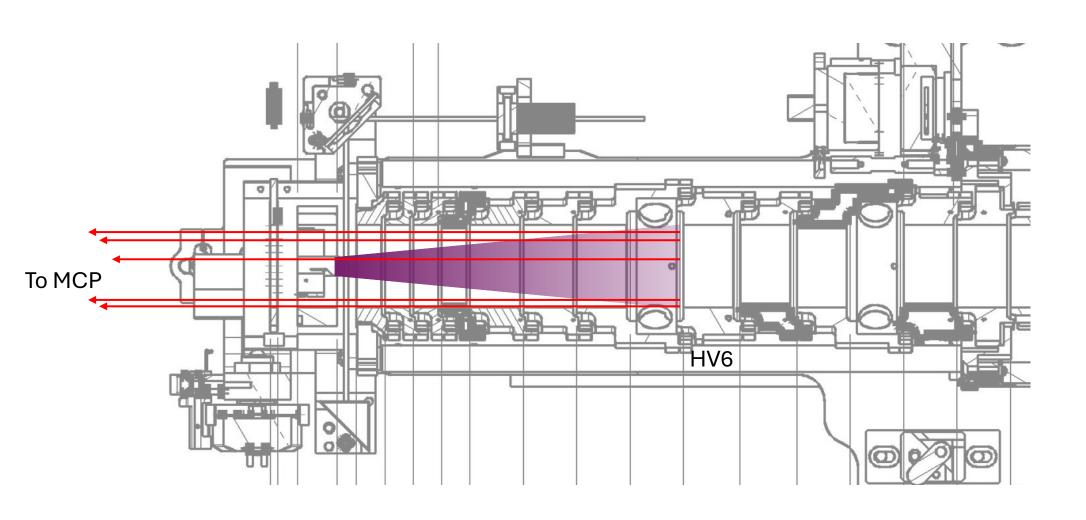


$$F_{\text{limit}}(n) = \frac{E_{Ps}}{9ea_0} \frac{1}{n_{\text{eff}}^4}.$$



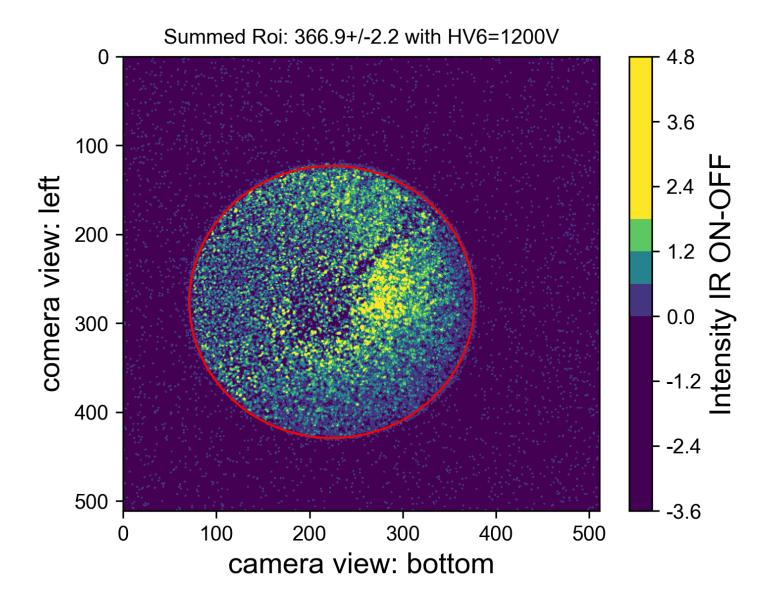


How we see what we made?



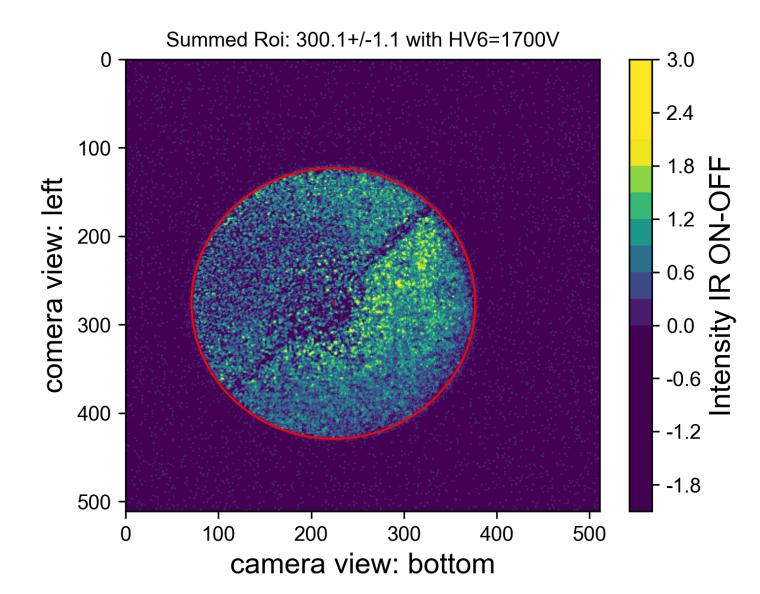
What did we see?

• 1660nm



What did we see?

• 1665nm



What did we see?

• 1670nm

