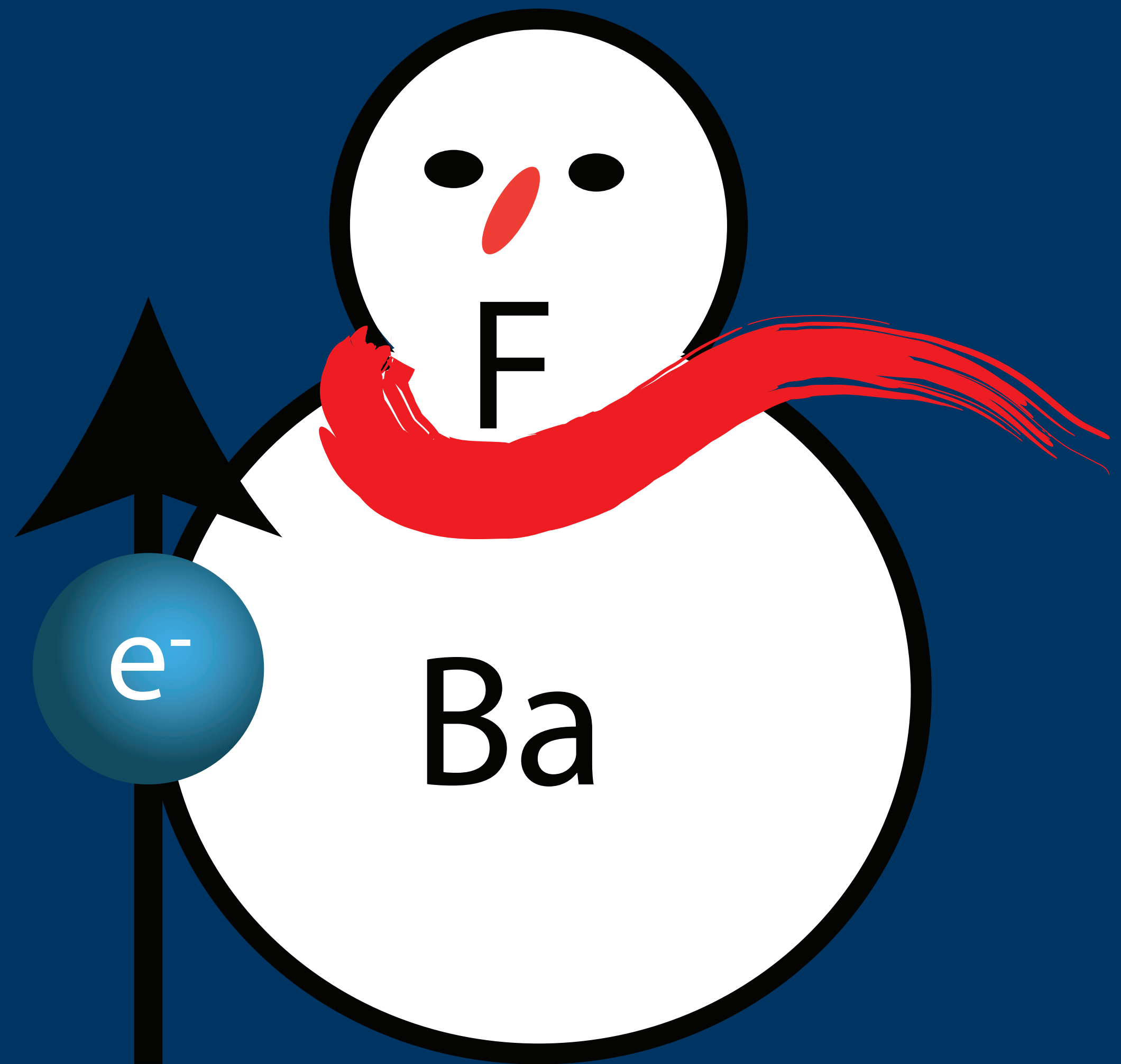


eEDM

stafoverleg update

Steven Hoekstra



Theses defended:

People



Kevin Esajas

28-05-2021

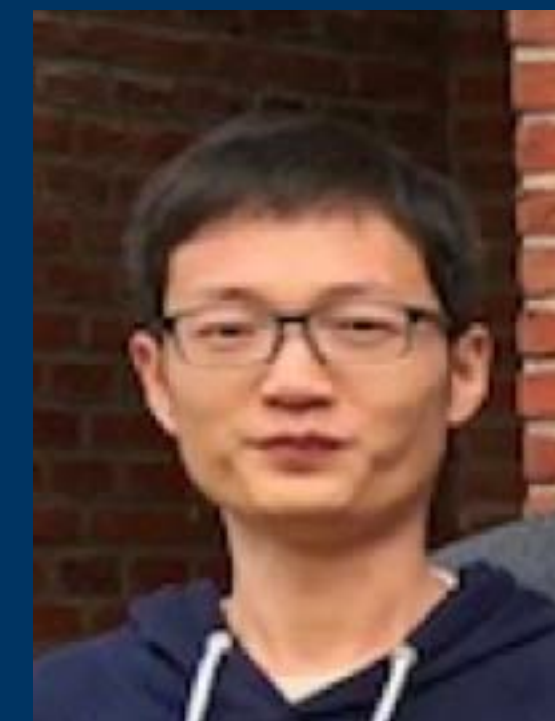
Intense slow beams of heavy molecules to test fundamental symmetries



Parul Aggarwal

27-08-2021 -> JILA, USA

Production, deceleration and trapping of SrF molecules



Yanning Yin

Postdoc ->

University of Basel



Richard Borchers

MSc

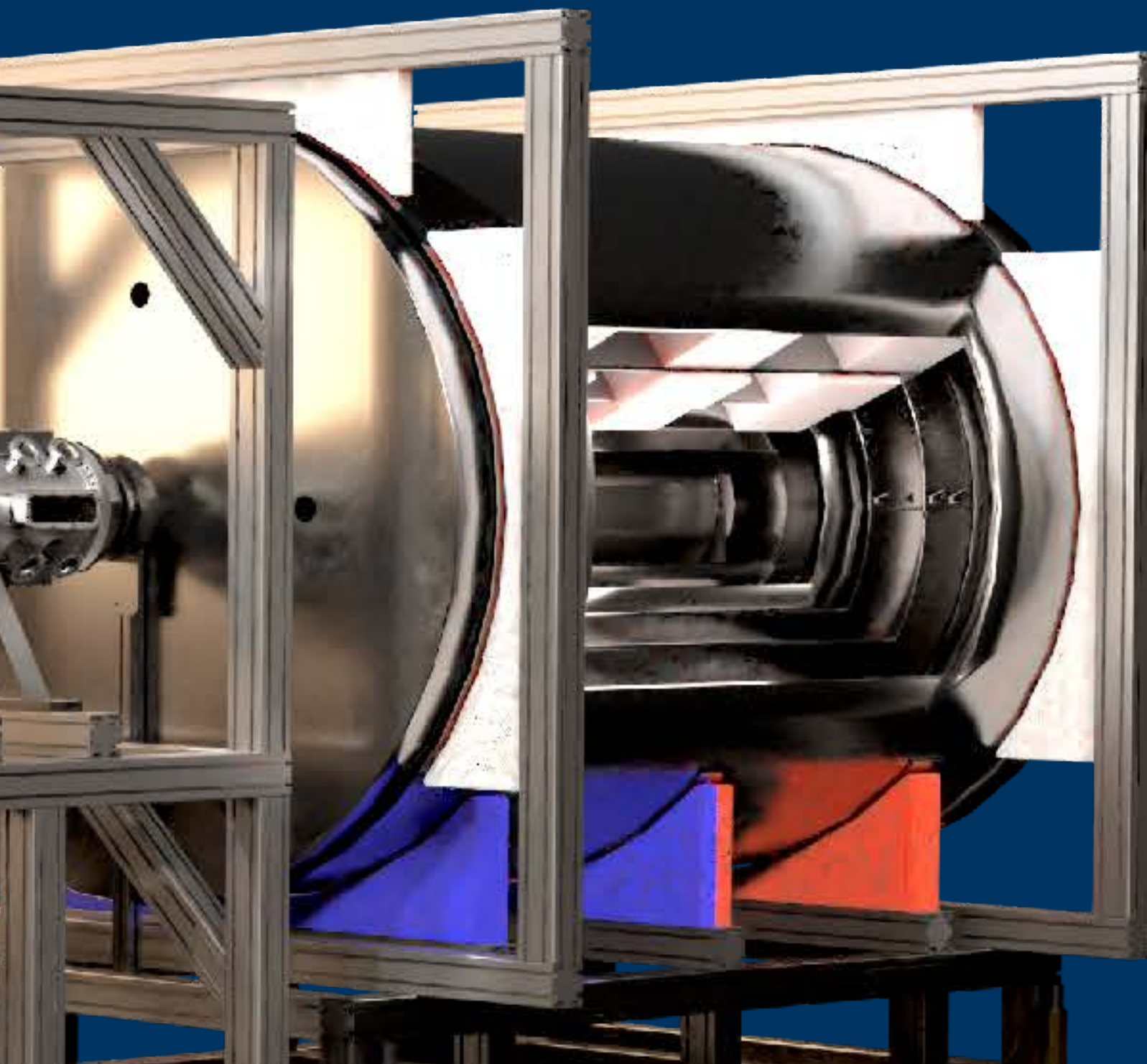
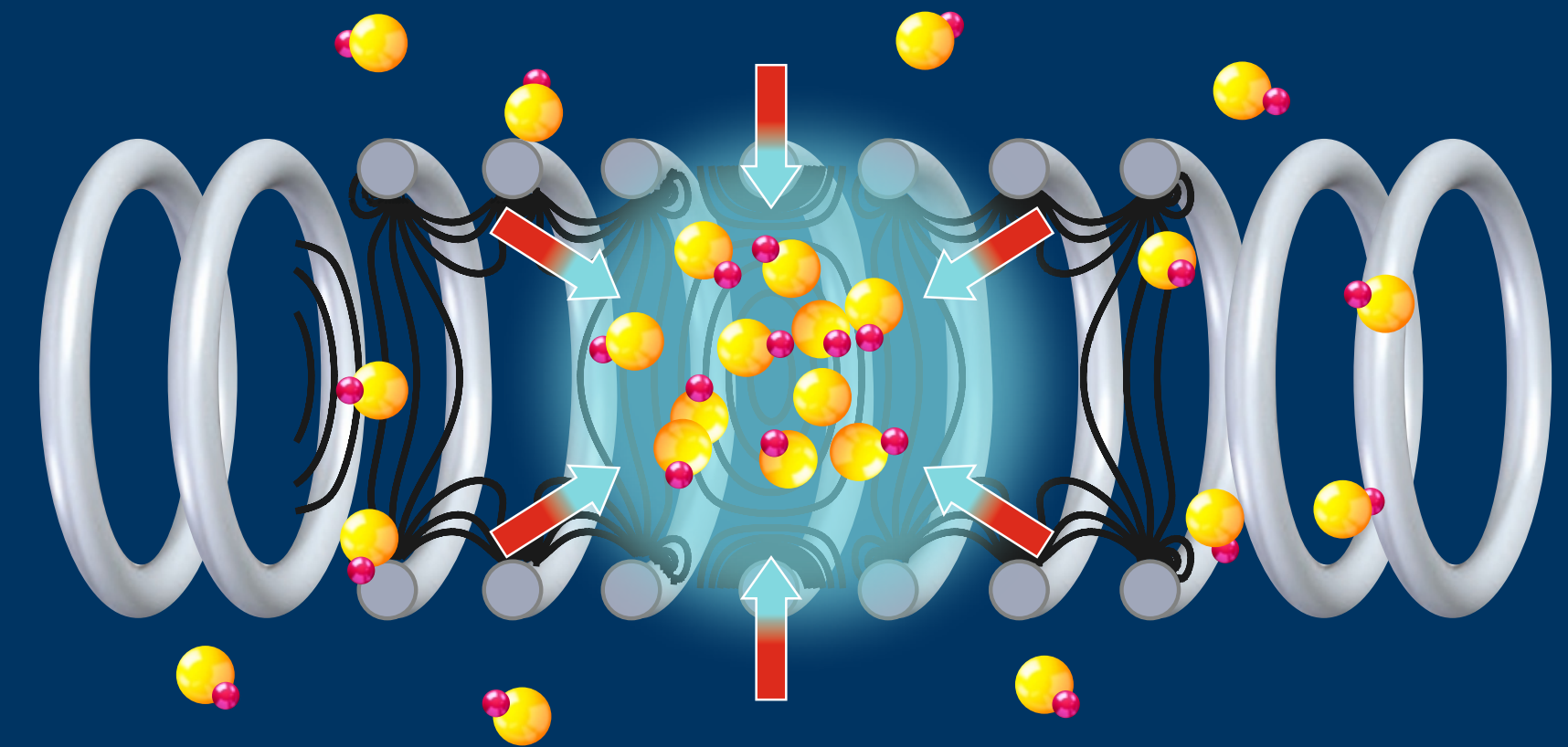
Camera detection of BaF molecules

Sabri Boulsnane
Erasmus
Mechanical engineering
Joost van Hofslot
PhD
Intense, slow and laser cooled beams of BaF for eEDM measurements



Science highlights

**Heaviest molecules (SrF, factor 3)
decelerated and brought to standstill**
(Phys. Rev. Lett., out soon)



**Quantum superposition created in eEDM
state in BaF**
Ready for first spin interference measurements

Other stuff

Funding:

ITN Network, ENW-XL, VICI, ENW-M2, ...

3rd International Summer school 2022 (Ameland)

Low-energy precision experiments to test
fundamental physics

So happy to have 'real' meetings again!

