**DNA electrophoresis in nanoslits**

*Florian Rühle*

ICP
Universität Stuttgart

Electrophoresis of polyelectrolytes in confined geometries is of high interest in today's research. While most groups rely on the geometry of tubes for their experiments and simulations, the idea of using the easy to produce slit pore configurations becomes more and more interesting. However, it has yet to be examined, which parameters and interactions play the key roles for this kind of confinement.