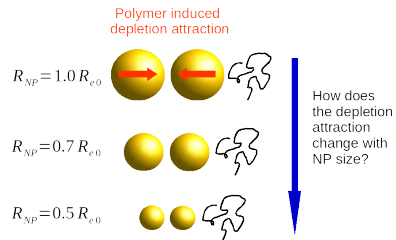
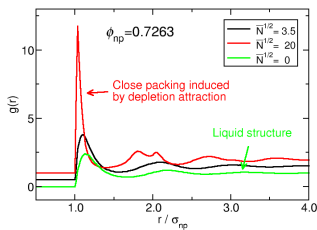




# Size Dependent Depletion Effects

Dr. Qiyun Tang & Prof. Dr. Marcus Müller

- Monte-Carlo Simulations can be used to study polymer induced depletion effects between nanoparticles (NP).
- Theoretical calculations confirmed that the magnitude of the depletion attraction highly depends on the NP size
- systematically study the relation between the magnitude of depletion attraction and NP



## Your Challenges

- C99, OpenMP, gnuplot, python.
- Modifying existing implementation written in C99.
- Visualisation of simulation results, python, gnuplot,....
- Verify simulation results via theoretical models.

## What We Can Offer You

- Supervision in english or chinese
- modern computer architectures

Interested? Mail to: [mmueller@theorie.physik.uni-goettingen.de](mailto:mmueller@theorie.physik.uni-goettingen.de)  
or [qiyun.tang@theorie.physik.uni-goettingen.de](mailto:qiyun.tang@theorie.physik.uni-goettingen.de)

<http://www.theorie.physik.uni-goettingen.de/forschung/mm/>