



Contribution ID: 149

Type: **Presentation**

## Molecular Motors on Strands

Biological filaments can be linked by active crosslinks. Investigating the dynamical behaviour of a system consisting of a large number of filaments and motors would lead to understanding of dynamical mechanical properties and processes in cells. A single motor crosslinked strand is investigated using a functional integral approach.

**Primary author:** Mr MÖLLER, Karl (Department of Physics, Stellenbosch University)

**Co-author:** Prof. MÜLLER-NEDEBOCK, Kristian (Department of Physics, Stellenbosch University)

**Presenter:** Mr MÖLLER, Karl (Department of Physics, Stellenbosch University)

**Track Classification:** Track G - Theoretical and Computational Physics