



**Tuesday, 29 October 2013 at 16:00 c.t.**  
**Seminar room 0815, 8th floor, physics highrise**

## Dyck words and D-dimensional Unitarity for multi-particle QCD at the LHC

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### Abstract

I will discuss the use of D-dimensional generalised unitarity in next-to-leading order calculations of LHC processes. Fundamental building blocks of these calculations are primitive tree-level QCD amplitudes. I will show that these objects obey interesting relations which can be understood with the help of 'Dyck words'