



Contribution ID: 21

Type: Talk in Parallel Session at DIS2013

## Impact of scheme dependence in PDFs on measurable quantities

*Thursday 25 April 2013 09:20 (25 minutes)*

We analyze the impact of heavy flavors treatment in parton distribution functions (PDFs) on measurable quantities like DIS structure functions. We compare predictions obtained using ACOT scheme PDFs with different number of active flavors and results of fix-flavor-number scheme. We propose a correction factor that can be applied to calculations carried in the fix-flavor-number scheme but using 5-flavor PDFs.

**Authors:** Dr KUSINA, Aleksander (Southern Methodist University); Prof. OLNES, Fred (Southern Methodist University)

**Presenter:** Dr KUSINA, Aleksander (Southern Methodist University)

**Session Classification:** WG1/5: Structure Functions and Heavy Flavours

**Track Classification:** Structure functions and Parton Densities