

Some thoughts about involvement of new groups

Bruce Mellado

University of the Witwatersrand

LHeC Coordination group meeting

02/10/15

The SA perspective

- ❑ **The field of particle physics growing fast in the country**
 - ❑ **Higgs physics, instrumentation and Big Data related topics are driving forces**
- ❑ **Funding has also been increasing rapidly, but expect a slow down of growth in near future**
 - ❑ **Good news is that field is now established and expect steady funding**
- ❑ **SA's participation at CERN is, to a good extent, regulated by the SA-CERN consortium**
 - ❑ **Composed of four main directions: ATLAS, ALICE, Isolde and Theory**

The SA perspective (cont)

- ❑ **SA needs a relatively large effort with significant hardware commitment to boost field**
- ❑ **May attempt to raise question about generating a new group within the SA-CERN consortium focused on the LHeC**
 - ❑ **In current form, may be difficult to argue**
- ❑ **It could potentially be helpful to create a collaboration-like structure, beyond a study group, to focus efforts around high energy ep collisions (LHeC, FCC-eh)**
 - ❑ **This would need some sort of “official” status at CERN**
 - ❑ **What are CERN’s plans with regards to the FCC study groups?**