Contribution ID: **303**　　　　　　　　　　　　　　　　Type: **Oral Presentation**

Memory in non-Abelian Gauge Theory

Tuesday, 4 July 2017 10:20 (20 minutes)

This project addresses the study of the memory effect. We review the effect in electromagnetism, which is an abelian gauge theory. We prove that we can shift the phase factor by performing a gauge transformation. The gauge group is U(1). We extend the study to the nonabelian gauge theory by computing the memory in SU(2) which vanishes up to the first order Taylor expansion.

Apply to be
 considered for a student
   award (Yes / No)?

Yes

Level for award
 (Hons, MSc,
   PhD, N/A)?

MSc

Main supervisor (name and email)
and his / her institution

Vishnu Jejjala, vishnu.jejjala@gmail.com, Wits University

Would you like to <br> submit a short paper <br> for the Conference
 Proceedings (Yes / No)?

No

Primary author:　Mr GADJAGBOUI, Bourgeois (Wits University)

Presenter:　Mr GADJAGBOUI, Bourgeois (Wits University)

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