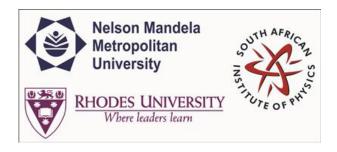
## **SAIP2015**



Contribution ID: 2 Type: Oral Presentation

## Solving the puzzle of galaxy rotation with a gravitomagnetic form of Newton's Law.

Thursday, 2 July 2015 16:10 (20 minutes)

Abstract content <br/> &nbsp; (Max 300 words)<br/> dry-a href="http://events.saip.org.za/getFile.py/starget="\_blank">Formatting &<br/> &class="blank">Formatting &class="blank

For the past two decades dark matter has been hypothesized to solve the puzzle of the orbital velocities of galaxies. We derive a form of Newton's law of gravitation similar to the Lorentz force of electromagnetism, i.e. a gravitomagnetic form. This form gives the observed curve of the orbital velocity of a galaxy against its distance from its centre.

Apply to be<br/>br> considered for a student <br/>br> &nbsp; award (Yes / No)?

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Level for award<br/>
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