



SDI Review Form 1.6

PART 1:

Journal Name:	Physical Review & Research International
Manuscript Number:	MS: 2013_PRRI_3157
Title of the Manuscript:	Charged Black Holes with Yang-Mills Hair and Their Thermodynamics

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	<p>The manuscript titled "Charged Black-Holes with Yang-Mills Hair and Their Thermodynamics" describes a new interesting class of black hole solutions of Einstein-Maxwell-Yang-Mills theory. The authors have investigated the thermodynamics of this new class of black hole solutions.</p> <p>After reviewing the manuscript I have listed the following comments/suggestions.</p> <ol style="list-style-type: none"> 1.) The form of Eqn. (9) in the manuscript seems incorrect. Shouldn't the correct equation be $m_H = (1/2)r_H (1+q^2)$? This form of Eqn. (9) is needed for the correct substitution of m_H in Eqn. (11). 2.) Have the authors used Eqn. (9) to plot the figures given in Fig. 1.? If so, they may have been affected by the incorrect Eqn. (9) and they may have to be reproduced. 3.) Some minor comments: Line 88: "exponentially 	<p>1) As $m(r)$ has been rescaled and redefined, so Eq. (9) should be $m_H = \dots = (1+q^2)/2$. This typo has been corrected.</p> <p>2) Eq. (9) included the typo mentioned above, and the calculation was correctly done.</p> <p>3) We corrected these typos and added the explanation on e.</p>



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	<p>damped", Line 92: The authors could use $(1/4e^2)$, where e is the electric charge, in Eqn. (4).</p> <p>The manuscript may be accepted for publication in the journal after addressing the above mentioned comments/suggestions.</p>	
<u>Optional/General</u> comments	I suggest that the authors kindly check the spelling and grammar of the text in the manuscript.	We checked other mistypes.