



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_18709
Title of the Manuscript:	Charge Radii of B and D mesons in a Quark Model with two loop static potential
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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



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PART 1: 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)
Compulsory REVISION comments	<p><u>Evaluation Criteria Scientific part</u></p> <p>1- The introduction is very lack to describe the radii of meson in which you consider the hadron has a considerable size. Also the inspired QCD model which plays the vital role in your paper add few lines for both points.</p> <p>2- in section "2.2 Two loop static potential in V scheme" you did not describe the two-loop potential and what are the difference between schemes. Please add a considerable part in this section to explain the issue in a sufficient way.</p> <p>3- How did you get analytical solution for the integral 6 to be eq. 7 although the integral is definite. Or you solved it as indefinite integral.</p> <p>4- please clarify e in front of the form factor</p> <p>5- In page 5 line1 you said "The mean square charge radii of the heavy pseudoscalar mesons have not been measured yet." This is not true, the charge radii are calculated in ref. [15] in details which is the reference that you depending on your calculations.</p>	<ol style="list-style-type: none"> 1. Regarding introduction and motivation, we have added few lines in the introduction section. 2. Two loop static potential is elaborated in section 2.2. 3. The equation contains the gamma function which carries the information of indefinite integral (Eq. 14 of revised paper). Again the Sine function is approximated to third term (Eq. 16 of revised paper). 4. Q_i and e_i is explained. Again elastic formfactor is measured in units of e and hence e is in front of the formfactor. 5. In page 5, line 1 is



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removed.
6. n_f is explained in section 3.1.

II- Evaluation Criteria Polishing of the language, formattingetc

Page	Line, paragraph	Suggested modification
1	3,p1	Models [3-10]
1	3,p1	space
1	5,p1	Model [11-15]
1	5,p1	Replace by "which undergo"
1	6,p1	[11-14]
3	1,p1	Replace by "substituting by eq.(1) into eq.(6), then integrate"

References put dot in the end of each line

Arrange table item in another way that appears in the results.



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	<p>My opinion is that this research paper needs <u>Compulsory revision comments</u></p> <p>Plagiarism Issue :</p> <p>http://www.worldscientific.com/doi/abs/10.1142/S0217732309028308</p>	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		