



SDI Review Form 1.6

PART 1:

Journal Name:	Physical Review & Research International
Manuscript Number:	MS: 2012_PRRI_2998
Title of the Manuscript:	The effect of hydrostatic pressure on the electronic properties of TlBr and TlCl radiation detectors

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 <i>(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)</i>
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	Improve English, please. I do not think that it is necessary to repeat textbook type statements and expressions of the Section 2. This section could be significantly abbreviated. I think that some claims on the possible applications (Section 1) are too bold currently.	
<u>Optional/General</u> comments	Note that CsCl structure is the most stable low-pressure ground form of the ionic system with the large differences in the core radii between cation and anion. Otherwise, one has NaCl structure as more densely packed. I don't think that ionic material is suitable for manufacturing opto-electronic devices due to the chemical instability. However, it might be interesting to perform more systematic calculations of the band gap width vs. pressure in the future. I mean, to calculate more points between ambient pressure and the border of the structure stability.	

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