



SDI Review Form 1.6

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_36394
Title of the Manuscript:	Charge Exchange of Proton-Potassium Atom Collision
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.

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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		
Minor REVISION comments		
Optional/General comments	<p>The authors discuss “Charge Exchange of Proton-Potassium Atom Collision”</p> <p>After carefully reading the manuscript, I find that the article is very interesting.</p> <p>In this paper, the p-K scattering is studied using MCSA as a four channels problem (elastic, H(1s), H(2s) and H(2p)). The interest of the authors is focused on the formation of ground, $H(1s)$, and excited hydrogen, $H(2s)$, and $H(2p)$ in p – K inelastic scattering. The difference between the four channels problem and the three or two channels problems (which are used by Elkilany ([6]-[8]) is in improving the total cross sections of the considered channel by adding the effect of more kernels of the other three channels (in two channels problem, they have only one kernel and in three channels, they have two kernels).</p> <p>The article is very interesting, has very good level and is very well written, the references are appropriate.</p> <p>I recommend the publication of this article in its current form.</p>	