

## Accepted Manuscript

Coherent states for the Kepler-Coulomb problem on a sphere

A. Mahdifar, T. Hoseinzadeh, M. Bagheri Harouni

PII: S0003-4916(15)00018-4

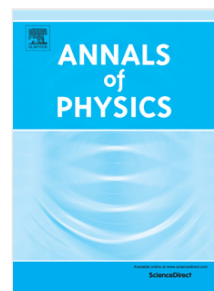
DOI: <http://dx.doi.org/10.1016/j.aop.2015.01.015>

Reference: YAPHY 66714

To appear in: *Annals of Physics*

Received date: 27 August 2014

Accepted date: 14 January 2015



Please cite this article as: A. Mahdifar, T. Hoseinzadeh, M. Bagheri Harouni, Coherent states for the Kepler-Coulomb problem on a sphere, *Annals of Physics* (2015), <http://dx.doi.org/10.1016/j.aop.2015.01.015>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Research Highlights**

The Kepler problem is revisited as a deformed system.

The dynamical algebra of this system is known as a deformed  $SU(2)$  algebra.

The coherent states of the present system are constructed.

The associated non-classical features of the system are investigated.

The dependence of non-classical features on space curvature is studied.

Download English Version:

<https://daneshyari.com/en/article/8202070>

Download Persian Version:

<https://daneshyari.com/article/8202070>

[Daneshyari.com](https://daneshyari.com)