## **Channeling 2018**



Contribution ID: 161

Type: Poster

## Synchrotron Radiation in a Homogeneous Medium for a Rotating Observer

Wednesday, 26 September 2018 18:40 (1 hour)

The electromagnetic fields and the energy-momentum tensor are considered for a charged particle rotating in a homogeneous medium from the point of view of a rotating observer. In the corresponding coordinate system there is a horizon and the latter can serve as a simple model for horizons in more complicated problems with gravitational fields.

Primary author: Mr KOTANJYAN, Vardazar (erevan State University)

**Co-authors:** Ms KOTANJYAN, Anna (Yerevan State University); Prof. SAHARIAN, Aram (Yerevan State University, Yerevan, Armenia)

Presenter: Mr KOTANJYAN, Vardazar (erevan State University)

Session Classification: PS2 - Poster session