



Contribution ID: 43

Type: **not specified**

Smith-Purcell radiation from a one-dimensional photonic wire

Thursday, 27 September 2012 19:26 (1 minute)

We present a theory of diffraction radiation based on the Smith - Purcell mechanism of the radiation generation from a circularly symmetric photonic wire with one - dimensional periodic dielectric function.

Primary author: Dr LEKOMTSEV, Konstantin Vladimirovich (KEK, Tsukuba, Japan)

Co-authors: Prof. TISHCHENKO, Alexey Aleksandrovich (National Research Nuclear University (MEPhI)); Prof. STRIKHANOV, Mikhail Nikolaevich (National Research Nuclear University (MEPhI))

Presenter: Prof. TISHCHENKO, Alexey Aleksandrovich (National Research Nuclear University (MEPhI))

Session Classification: PS2 Poster Sesion

Track Classification: Poster Session