Contribution ID: **214**   Type: **Poster**

Unified description of photo and electro processes on light nuclei in covariant approach with exactly conserved EM current

Thursday, 3 September 2015 16:30 (1h 30m)

We use covariant approach with conserved EM current, which gives the ability to include strong interaction into QED. Therefore, we receive the ability to describe disintegration processes on nonlocal matter fields applying standard Feynman rules of QED. Inclusion of phase exponent into wave function receives a physical sense while we deal with the dominance of strong interaction in the process. We apply Green's function formalism to describe disintegration processes. Generalized gauge invariant electro-break up process amplitude is considered. One is a sum of traditional pole series and the regular part. The deposits of regular part of amplitude, and its physical sense, are explored. A transition from virtual to real photon considered in photon point limit q^2 seeks to zero. The general analysis for electro-break up process of component scalar system is given. Precisely conserved nuclear electromagnetic currents at arbitrary q^2 are received.

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Session Classification: Poster