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Photon or light quantum?

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In Physics teaching practice, terms and concepts are sometimes used without highlighting the historical and epistemological process that generated them and choosing them to identify and explain a particular phenomenon. This also happens with electromagnetic radiation. To support students in understanding it, we tried to adopt a cultural-historical approach that shapes the epistemological process experienced by physicists at the beginning of the 20th century. Linguistic and etymological aspects emerge from the history of Physics and can support culturally and historically integrated teaching. Furthermore, they keep constructing a cultural context to understand the challenges and innovations of quantum electrodynamics.

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