



Revised Bertozzi Experiment

In order to distinguish between electron kinetic energy and radiation energy a static magnetic field should be added perpendicular to the electron path in front of the target. The target itself has to be modified, such that it is divided into two parts, one as before and one according to the new slightly deflected path of electrons, such that the electrons will hit this new target. With such setup it would be possible to differentiate between kinetic energy of the electrons and the generated radiation caused by the linear acceleration of the electrons.

The deflecting angle and with that the additional B-field should be as small as possible to minimize additional curvature radiation.

- Copyright © 2015-2017 Kechel