

Characteristics and properties of synchrotron radiation

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The description other properties of synchrotron radiation is often considered as very complicated, in particular by non-physicists. In our lectures, we shall demonstrate that this is not true. All the basic properties can be introduced in simple terms without complicated mathematical formalism. The approach is based on the use a few widely known properties of relativity. Our description will be extended not only to synchrotron radiation but also two free electro lasers. Furthermore, e shall motivate the audience by demonstrating that synchrotron radiation is one of the biggest enterprises of all times, also with huge financial benefits.