

HOW AN FEL WORKS

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Abstract

This tutorial will give an introduction to the physics of how FELs work and will be targeted at a 1st/2nd year post-graduate level audience. I will try to give the audience a conceptual understanding of the basic electron-field interactions that allow the electrons to bunch and emit coherently. Some of the physics that tends to inhibit the FEL interaction will also be described.

**CONTRIBUTION NOT
RECEIVED**