

Mini-Project 2 - Laser-plasma acceleration betatron X-ray source

Project description

In your working group, select desired photon energy of betatron X-ray source (e.g. from 1 to 100keV) and devise a consistent set of basic parameters describing the source.

Estimate brightness of the source.

Describe why you selected particular values of certain parameters (for plasma or laser, etc.).

Prepare a brief summary (can be hand-written, a page long) summary of your discussion.

Assign representative(s) from your Working Group for oral presentation of the summary.

Make ~20min presentation of the summary of your discussion.

Submit the written summary of your discussion.

Expected duration of the project work: 2hrs