

MeV ion microbeams: a historical overview

Geoffrey W. Grime

University of Surrey Ion Beam Centre, Guildford, U.K.

and

Oxford Microbeams Ltd., Oxford, U.K.

This short overview sets the scene for the course. Starting from the fundamentals of ion-solid interactions which underpin the unique advantage of ion microbeams, this talk traces the development of nuclear microbeam techniques from the first experiments with beam focusing in the 1970s to the diverse range of applications and instruments that we see today.