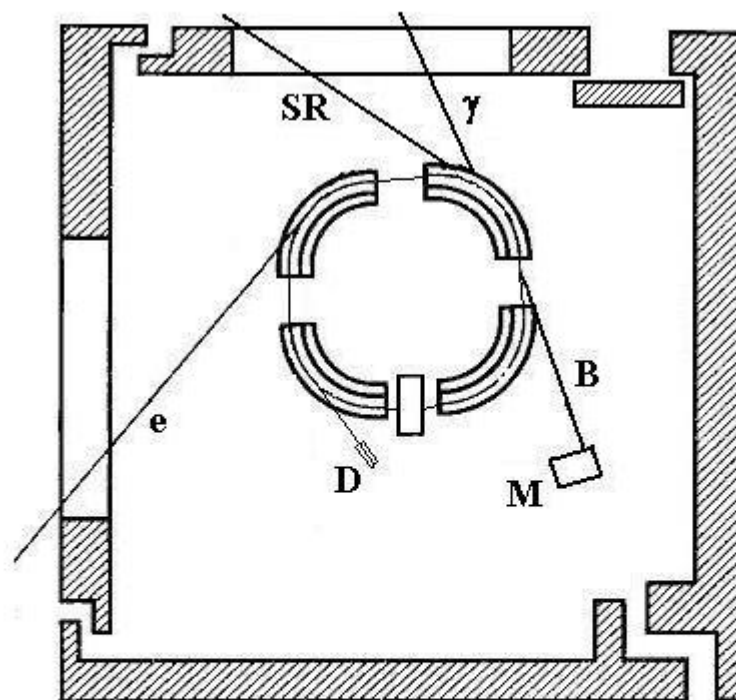


**Working of synchrotron “Pakhra” in the operation mode
of synchrotron radiation source.**

Karpov V.A., Subbotin G.G., Serov A.V., LPI, Moscow, Russia
Mikhailin V.V., Moscow State University, Moscow, Russia

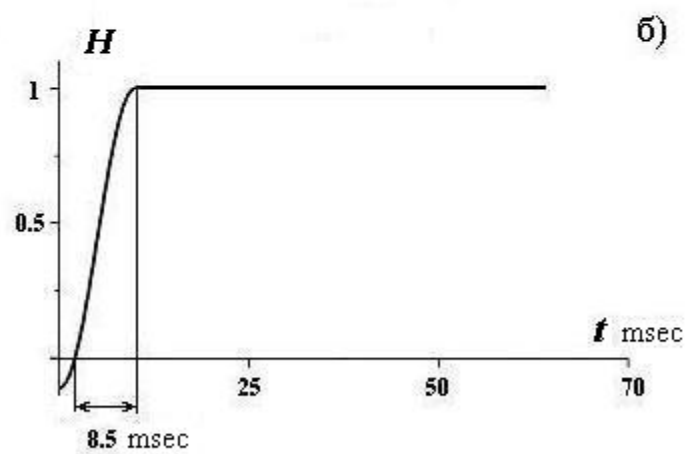
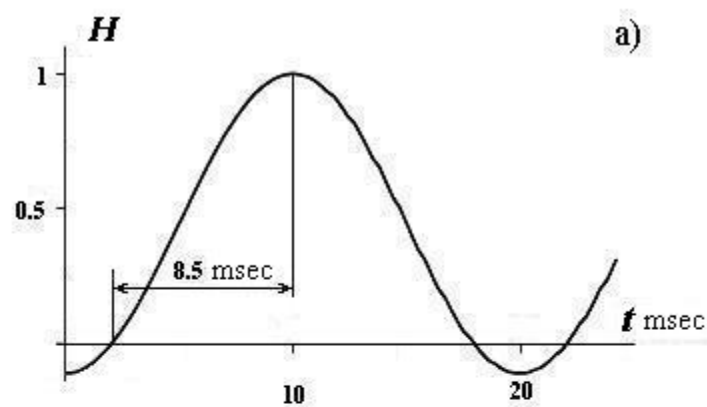


The layout of the synchrotron "Pakhra"

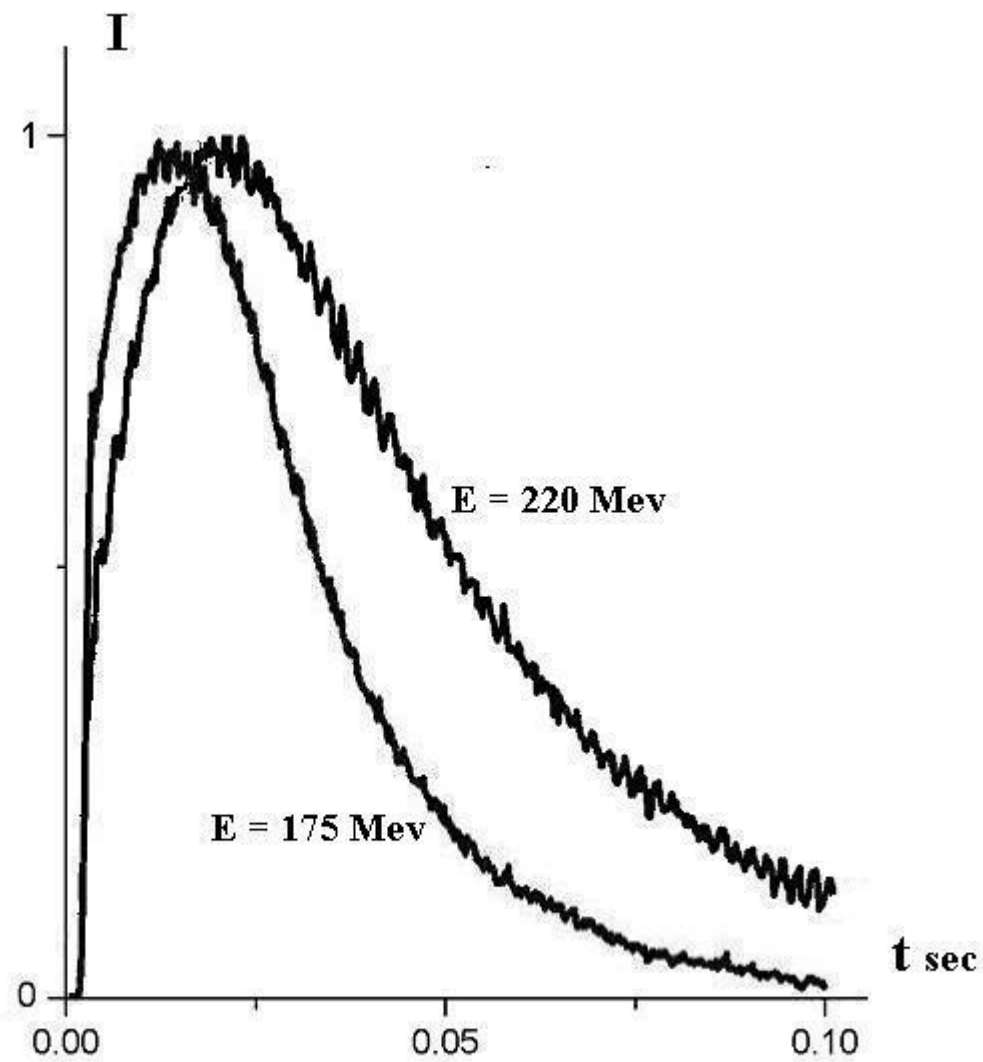
M - microtron **B** - beam forming line **D** - radiation detector

e - electron beam channel **γ** - gamma channel

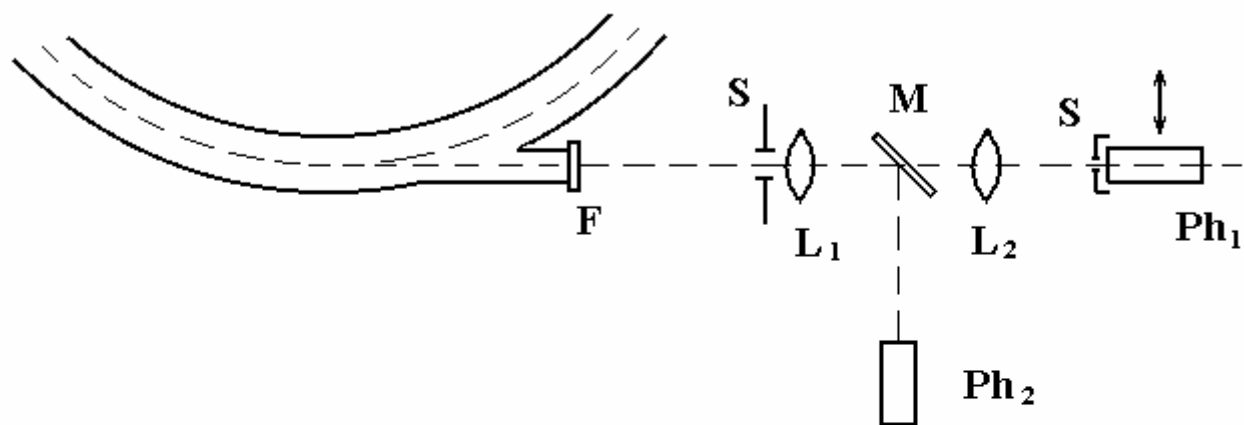
SR - channel of synchrotron radiation



Temporal profile of the magnetic field

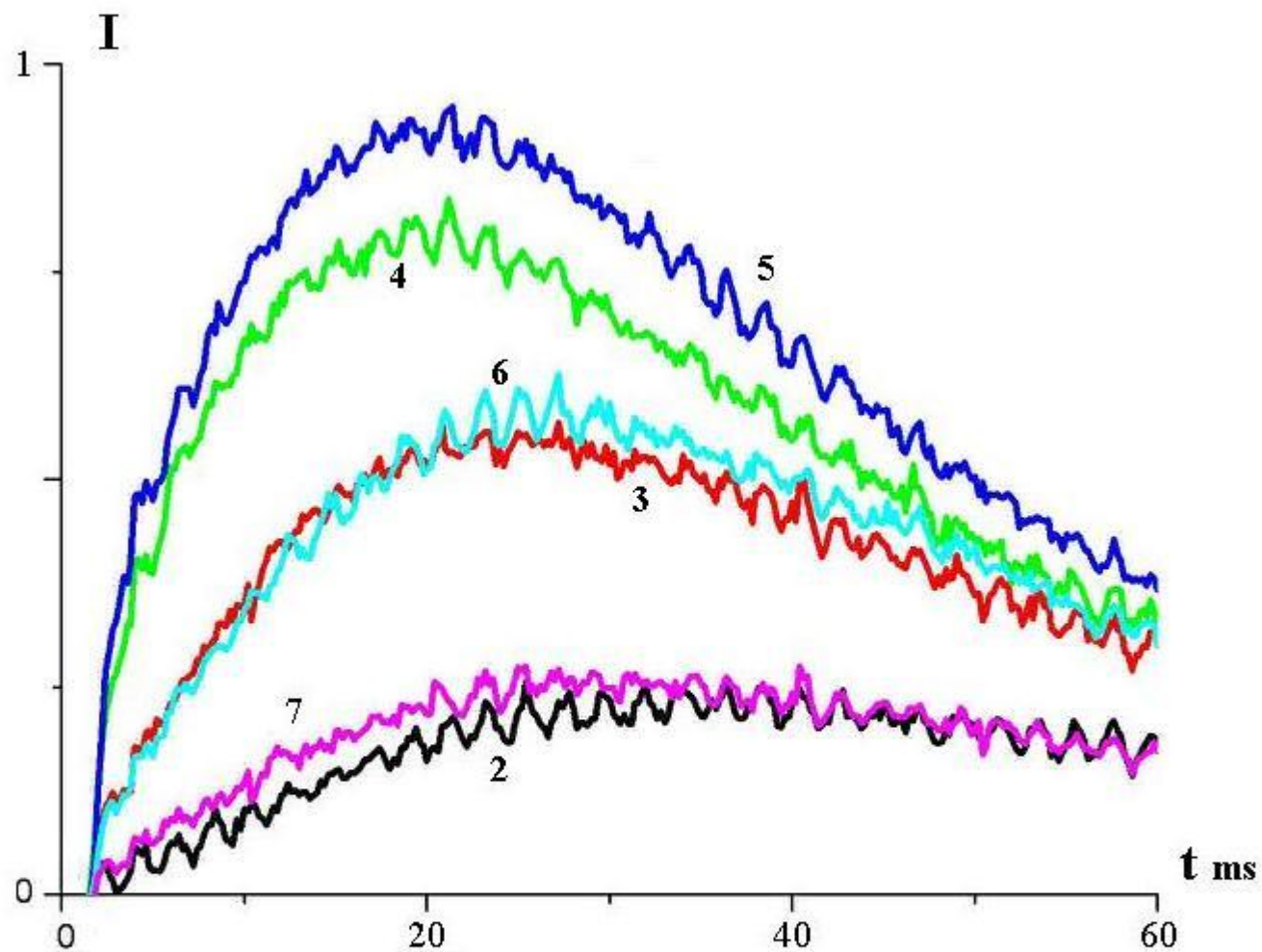


Temporal profiles of intensity of SR to different energy

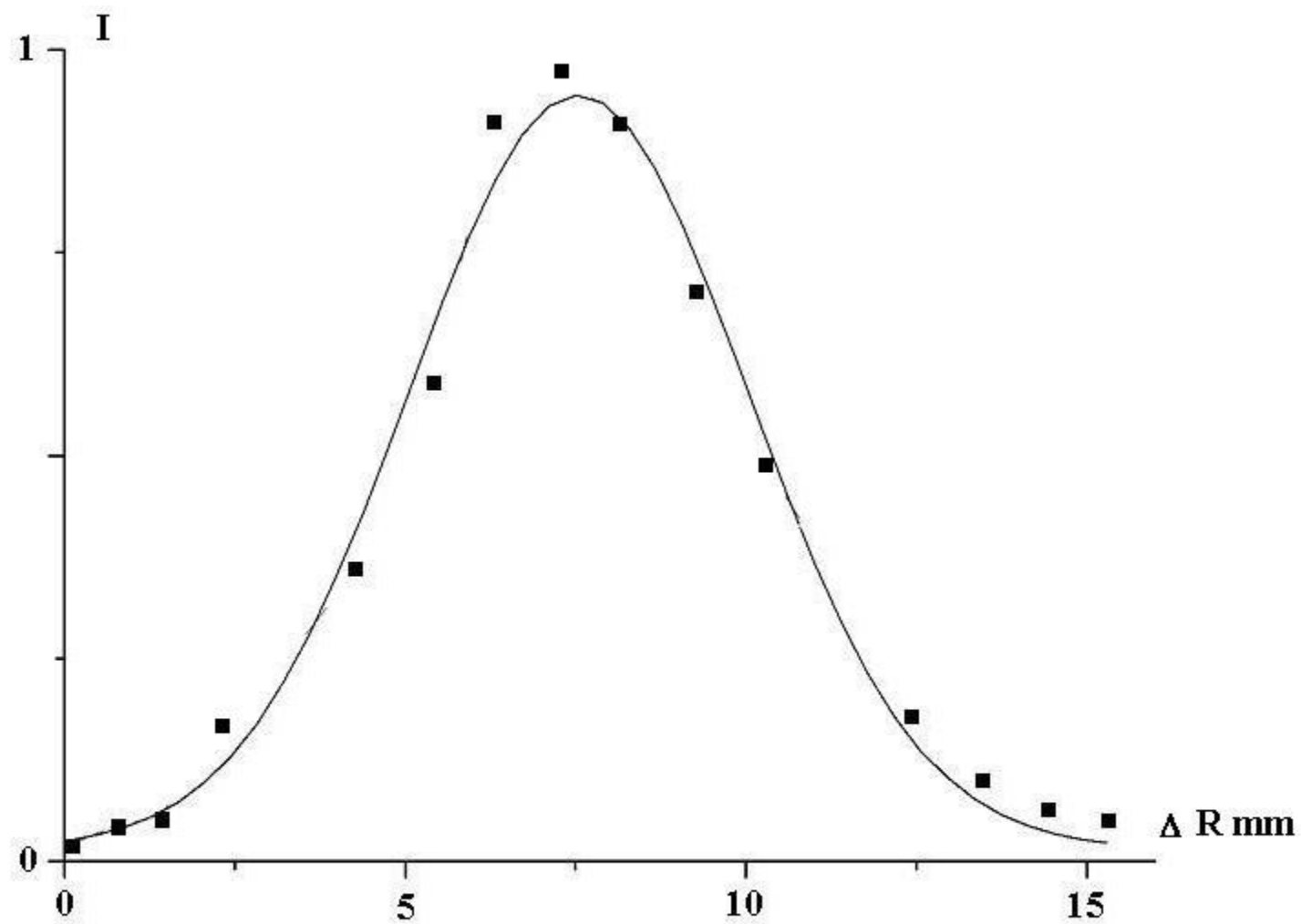


Apparatus for SR measurements

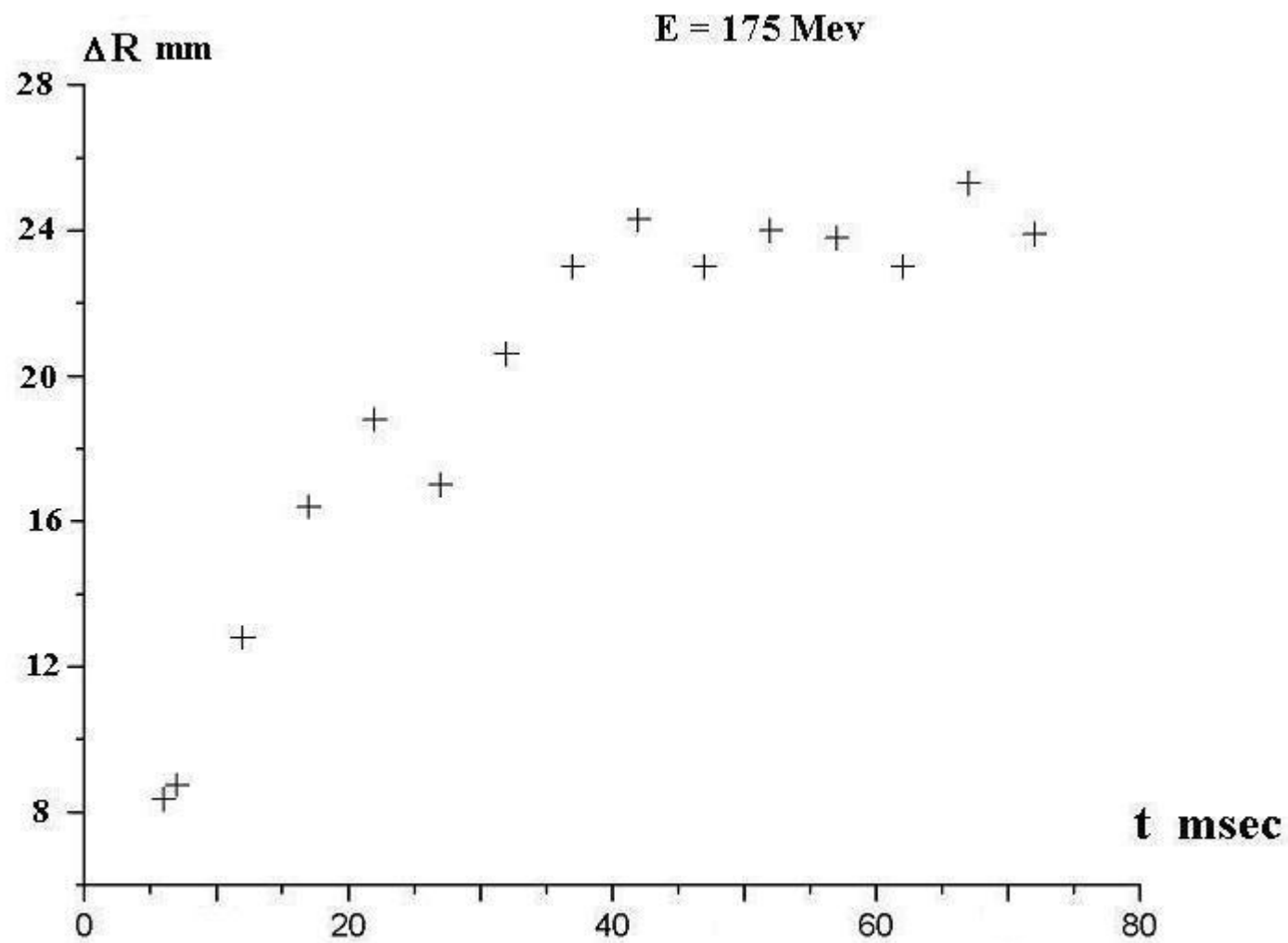
F - flange , **S** - screen with hole , **L** - lens , **M** - mirror ,
Ph - photomultiplier.



Temporal profiles corresponding to different ΔR (mm)



Spatial distribution of synchrotron radiation



Width of beam as a function of the time

