

ARA antennas
(1 vertical and 1 horizontal)

D (target - antenna)

7.3 m

*coherent radio wave
from electron shower*

ice block

electron
excess

0.3 m

1 m

trigger +
beam probe

TA Linac

4.6 m

Oscilloscope
Rohde Schwarz
10GS/s

40 MeV
electron
bunch train

$\sim 2\text{ns}$

