

**Design of Beam Bunching for the Ion Storage Ring
of RIKEN RI-Beam Factory Project,**
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Ion beams of full bunch length of 40 cm are required
for ion-electron colliding experiments. The RF
frequency of 90 MHz to realize a bunching factor 1/8 of
the 900 MeV/u beams of full momentum spread of
0.1%, together with a momentum cooling. Several RF
cavities share the voltage. They consist of a $\lambda/4$ coaxial
cavity and HOM damper cavity with both short end-
plates movable in order to be frequency variable from
50 to 90 MHz.