

**Lattice for Accumulator Cooler Ring for MUSES,**  
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- ACR, a storage ring which is one of the parts of a new project named as RI Beams Factory in RIKEN, is an accumulator of a new heavy ion collider (DSR). It will be used for the accumulating and cooling of radioactive isotope beams. The qualities of RI Beams will be improved largely in ACR, and then the acceptance required by the collider will be significantly reduced. The details on the lattice design and the studies of dynamic analysis for ACR will be reported in this paper.