

# Estimation of collimator performance for the Korea-4GSR

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One of the purposes of employing the collimator in the storage ring is to protect the machine device from the damage by intentionally blocking it. Particularly, the power density of the damage increases in the fourth-generation storage rings as the emittance of the ring is dramatically reduced. In this paper, the collimator performance is estimated for the Korea-4GSR. The study indicates that the collimator can effectively defend the machine devices from the electron beam collision.

## Paper submission Plan

No

## Best Presentation

No

## Contribution track

ICABU WG2. Beam Physics, Diagnostics & Novel Techniques

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