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# Photon masks designed for the HALF storage ring

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The Hefei Advanced Light Facility (HALF) storage ring employs more than 200 photon masks to shield thermally sensitive vacuum components from synchrotron radiation. The impedance introduced by these masks is highly dependent on their intrusion depth. This paper presents a straightforward method for assessing the requisite intrusion depth and the shielded photon power for individual masks. Furthermore, we demonstrate the mask design and impedance results for the HALF storage ring.

## Footnotes

## Paper preparation format

LaTeX

## Region represented

Asia

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