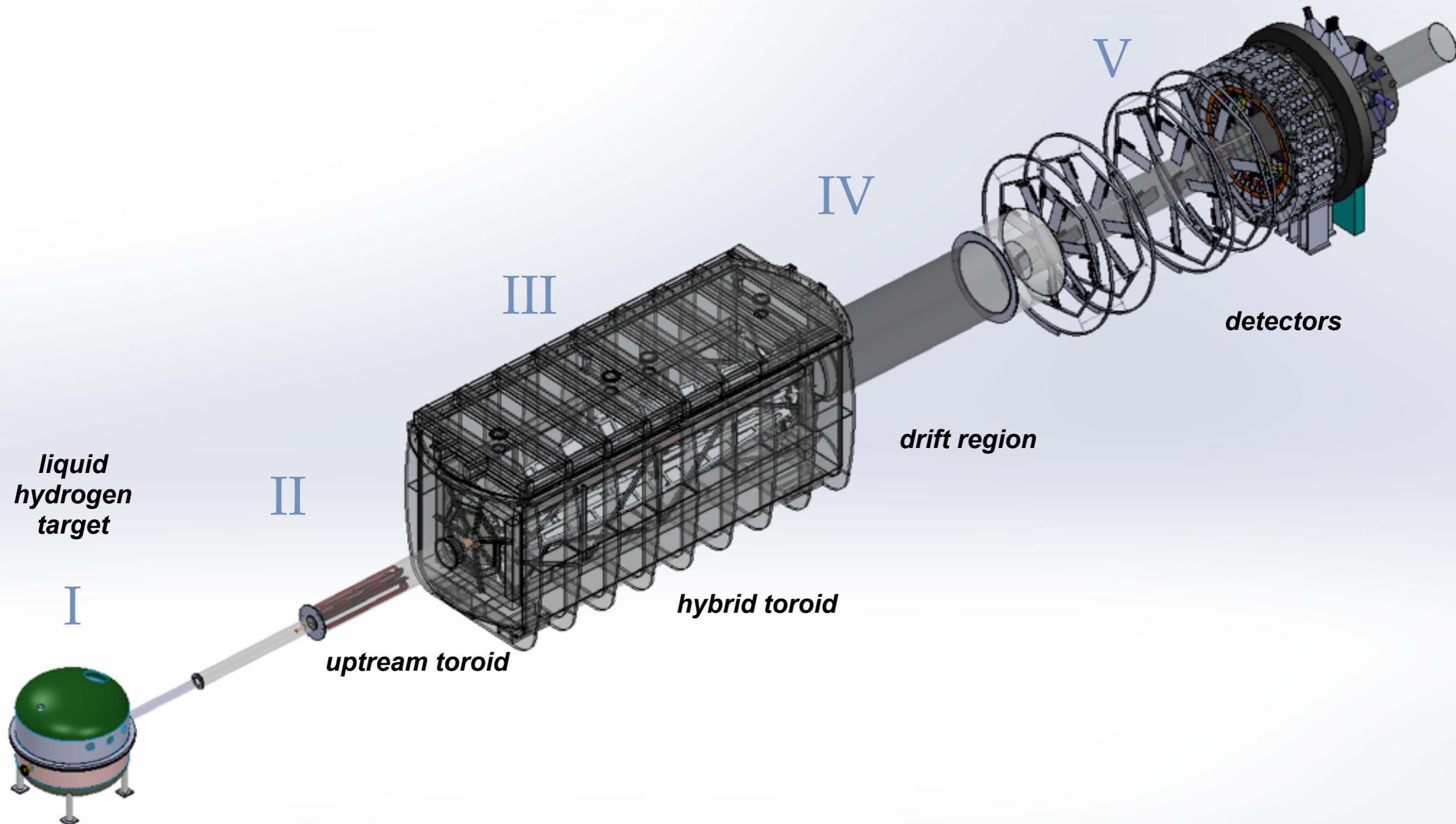


MOLLER Collimation

Krishna S. Kumar
Stony Brook University

Engineering Subsystems

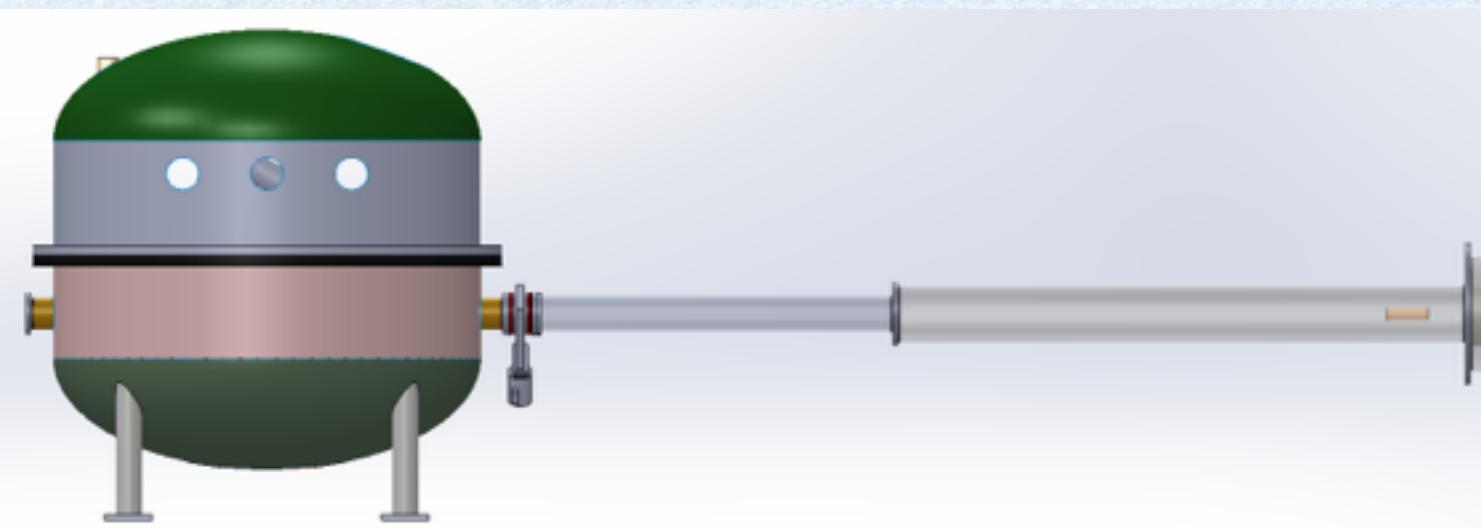


Region I

Target Scattering Chamber

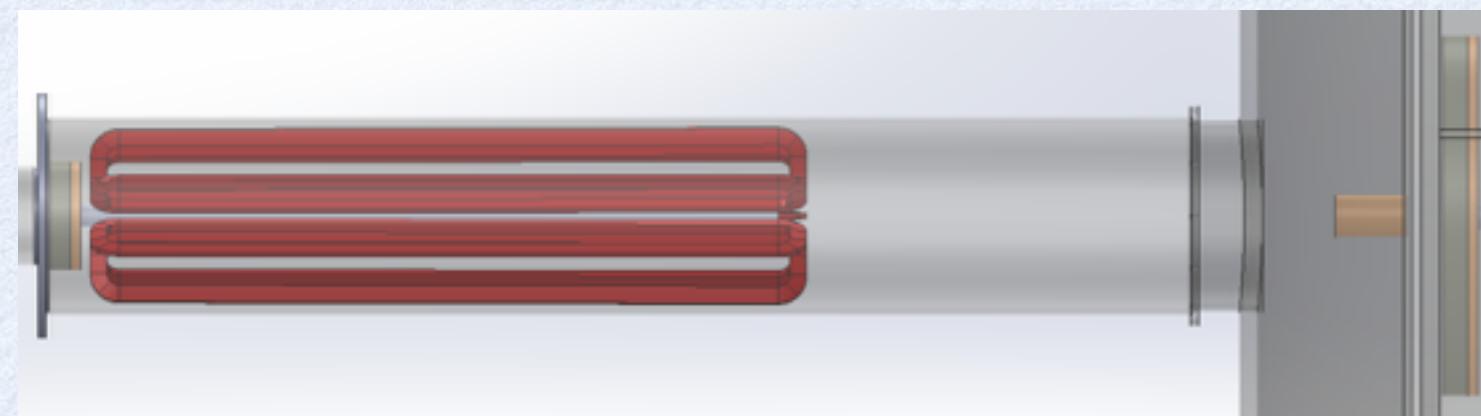


Target and Magnets

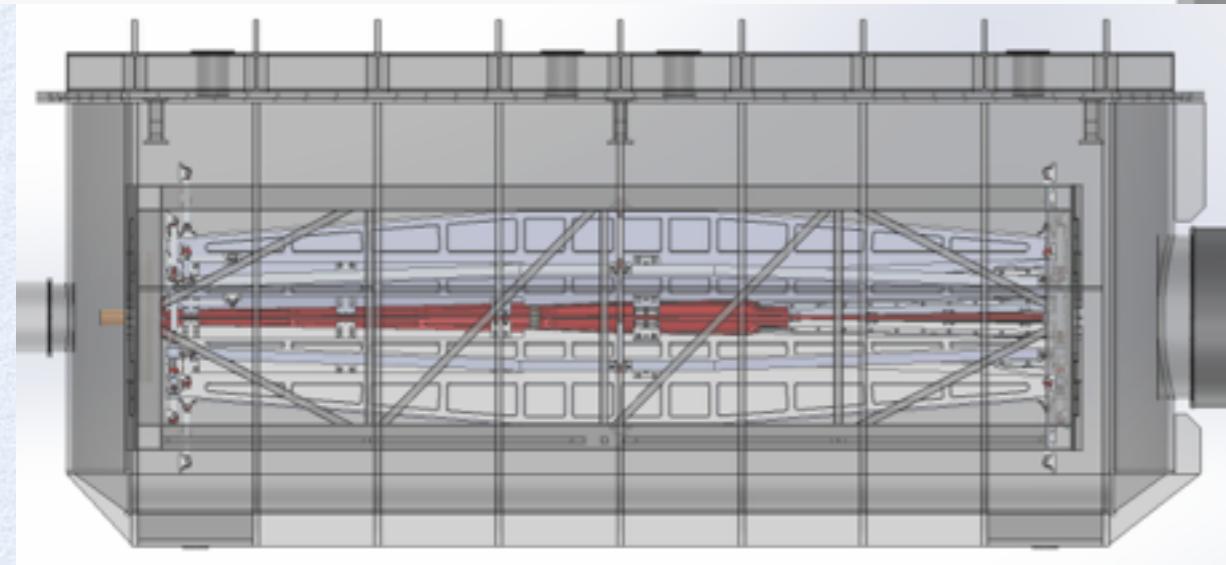


Range

$z = 0$ (center of target)
to
 $z \approx 5.8$ m

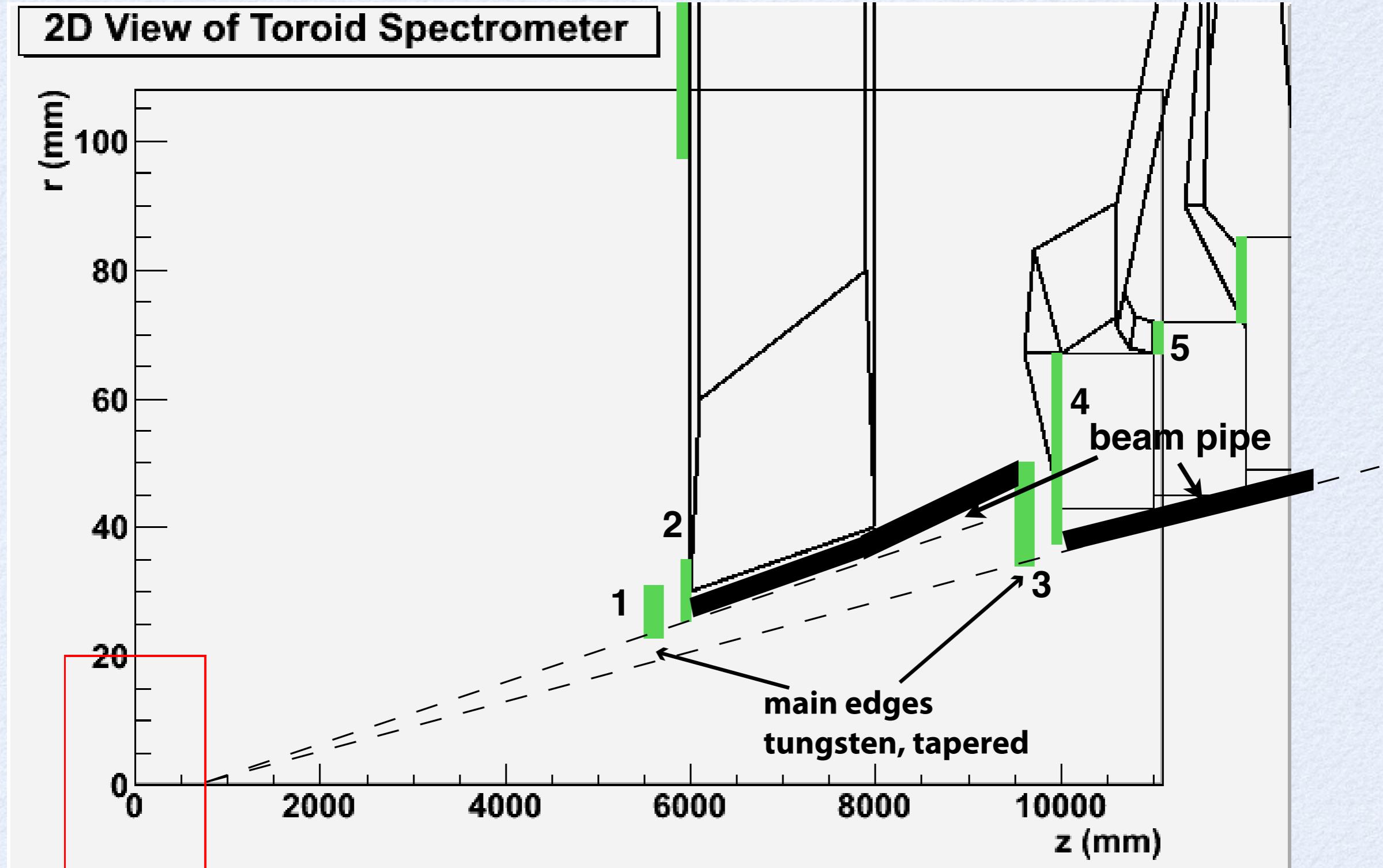


$z \approx 5.8$ m
to
 $z \approx 9.9$ m

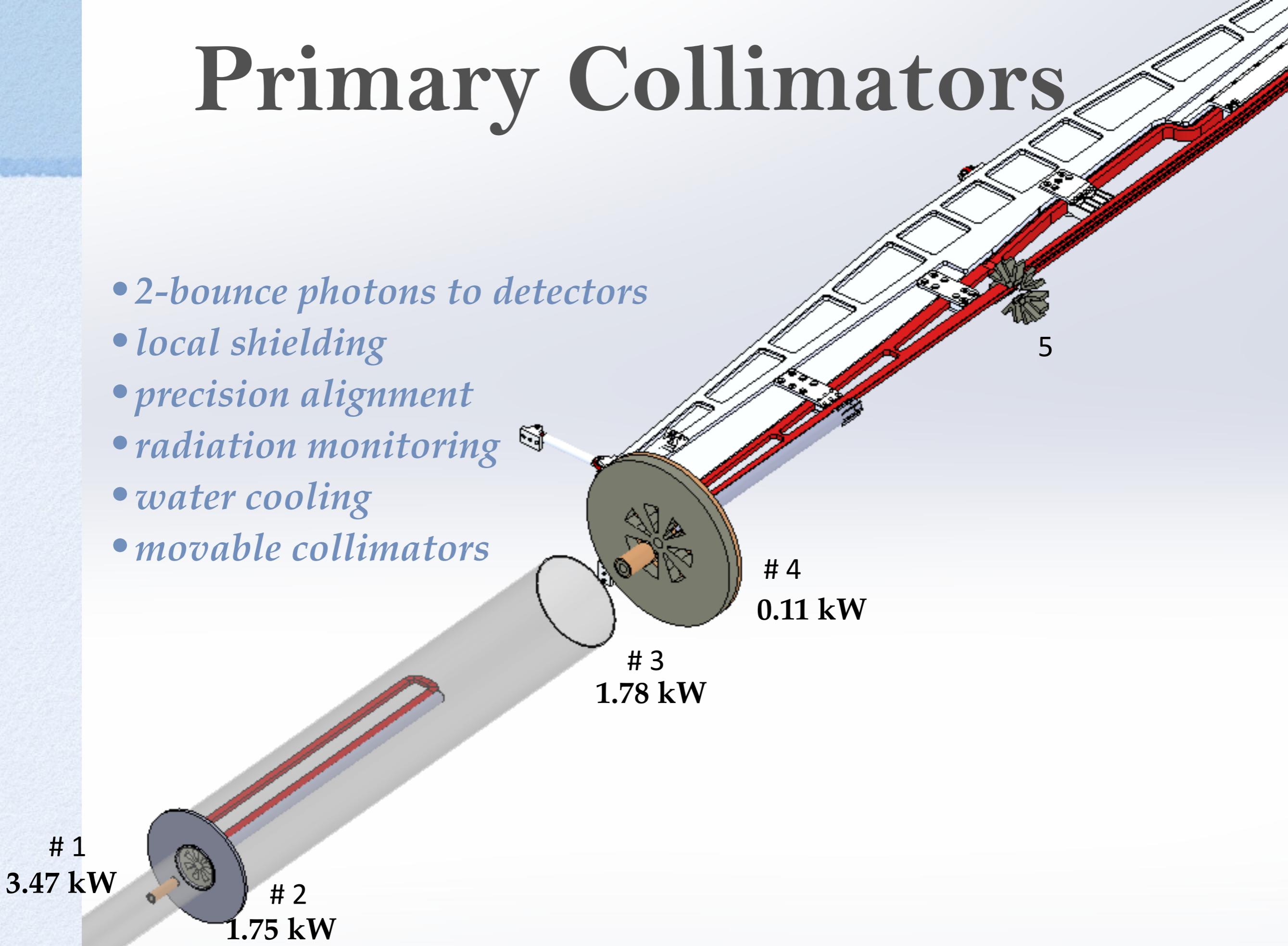


$z \approx 9.9$ m
to
 $z \approx 17$ m

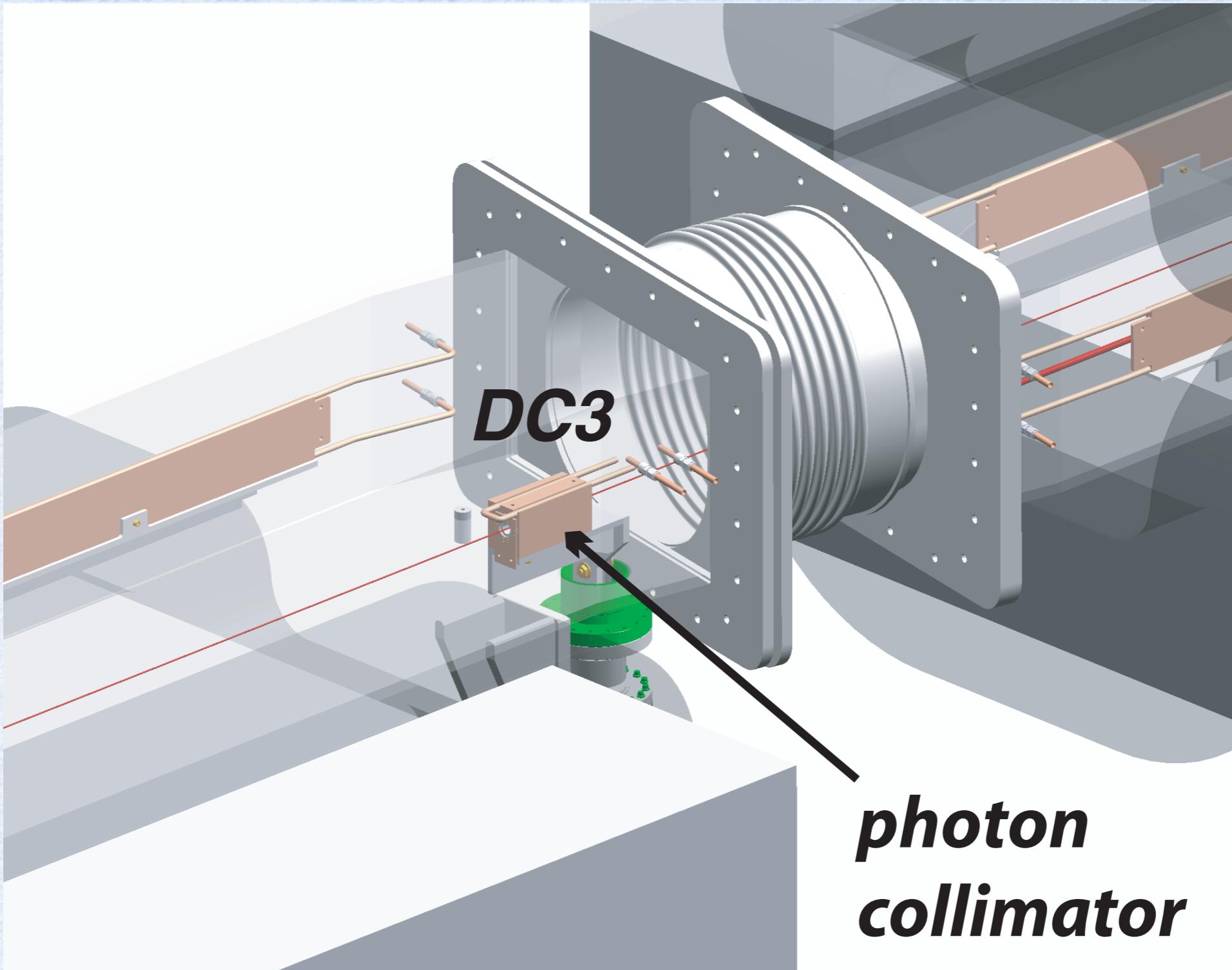
Collimation Concept



Primary Collimators



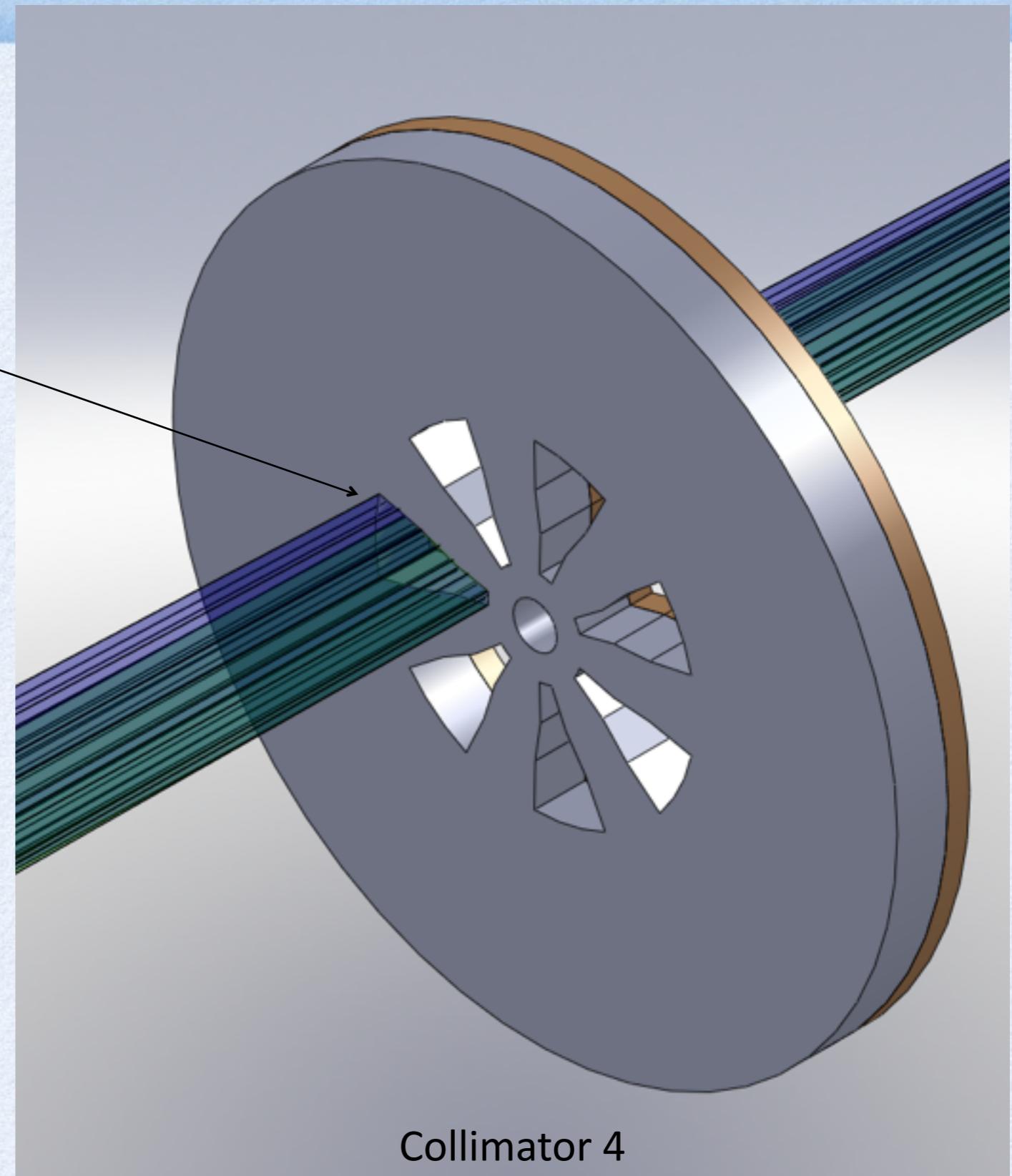
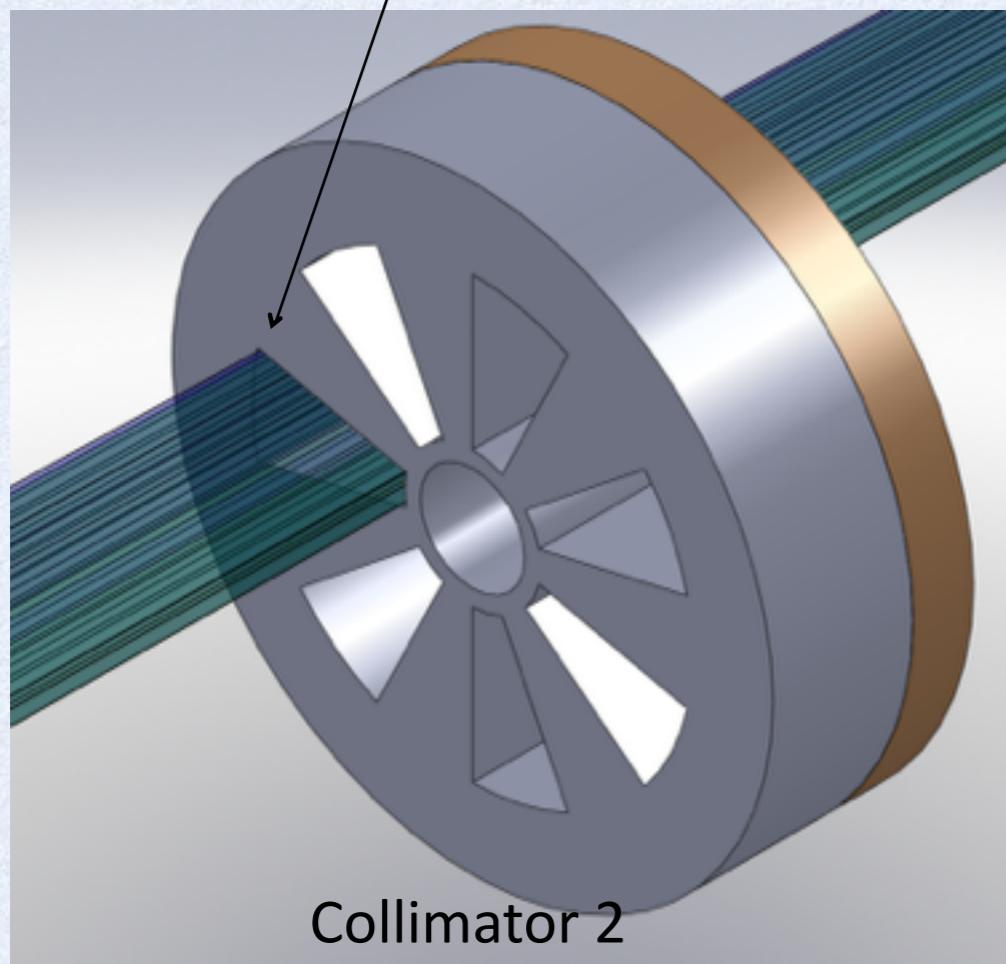
E158 Collimator Concept



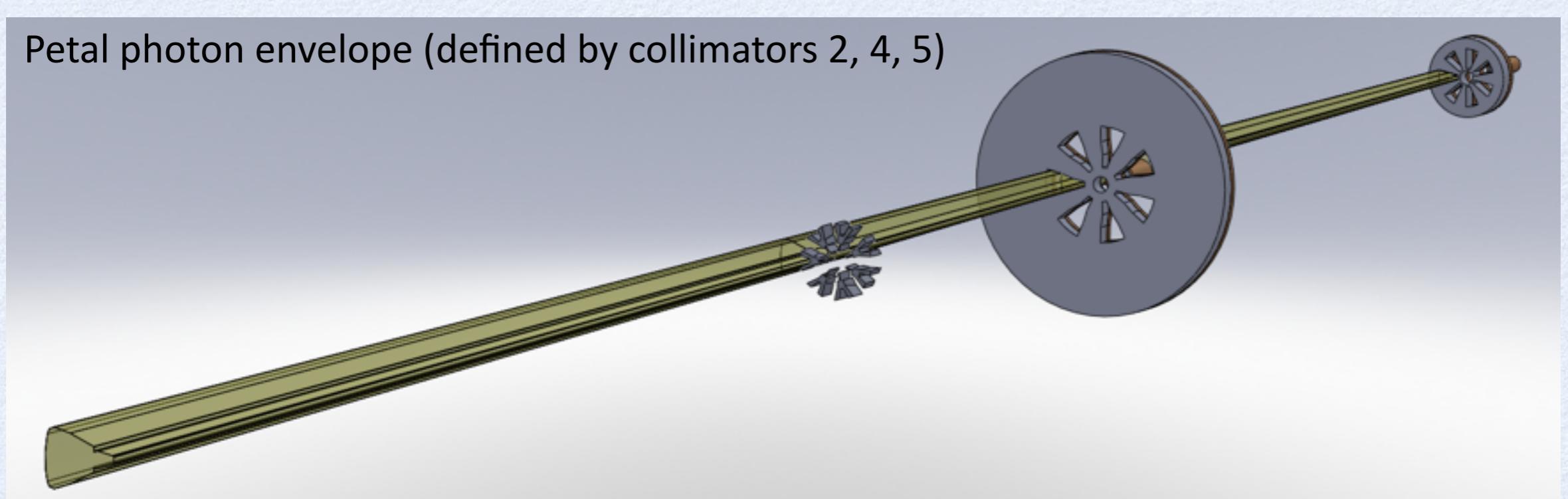
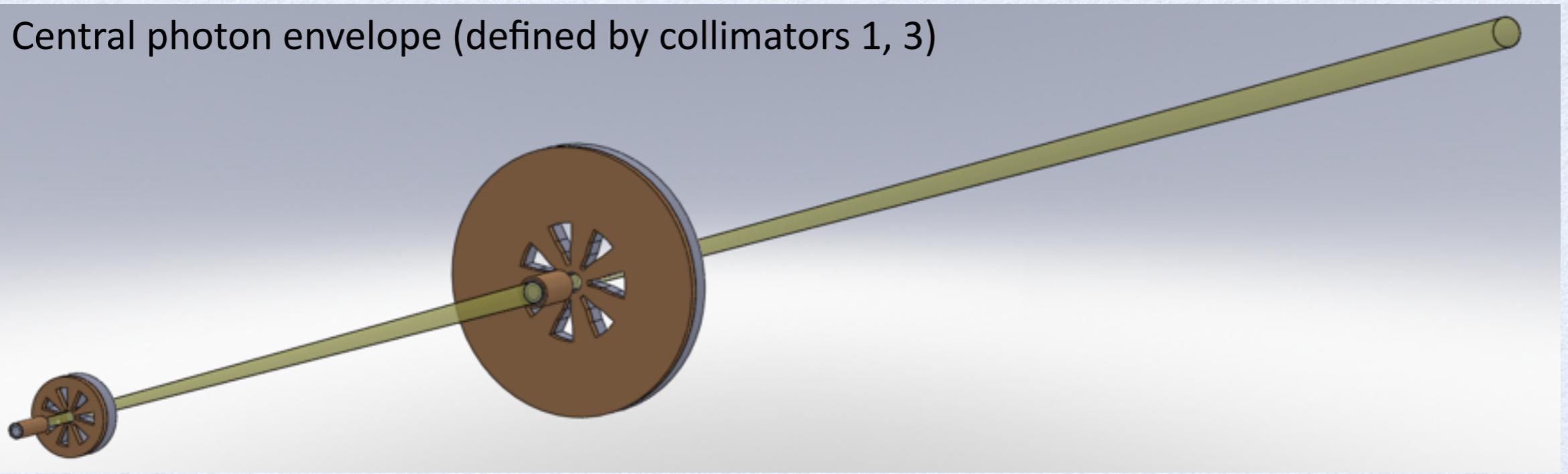
***photon
collimator
(hard shadow)***

Acceptance Collimators

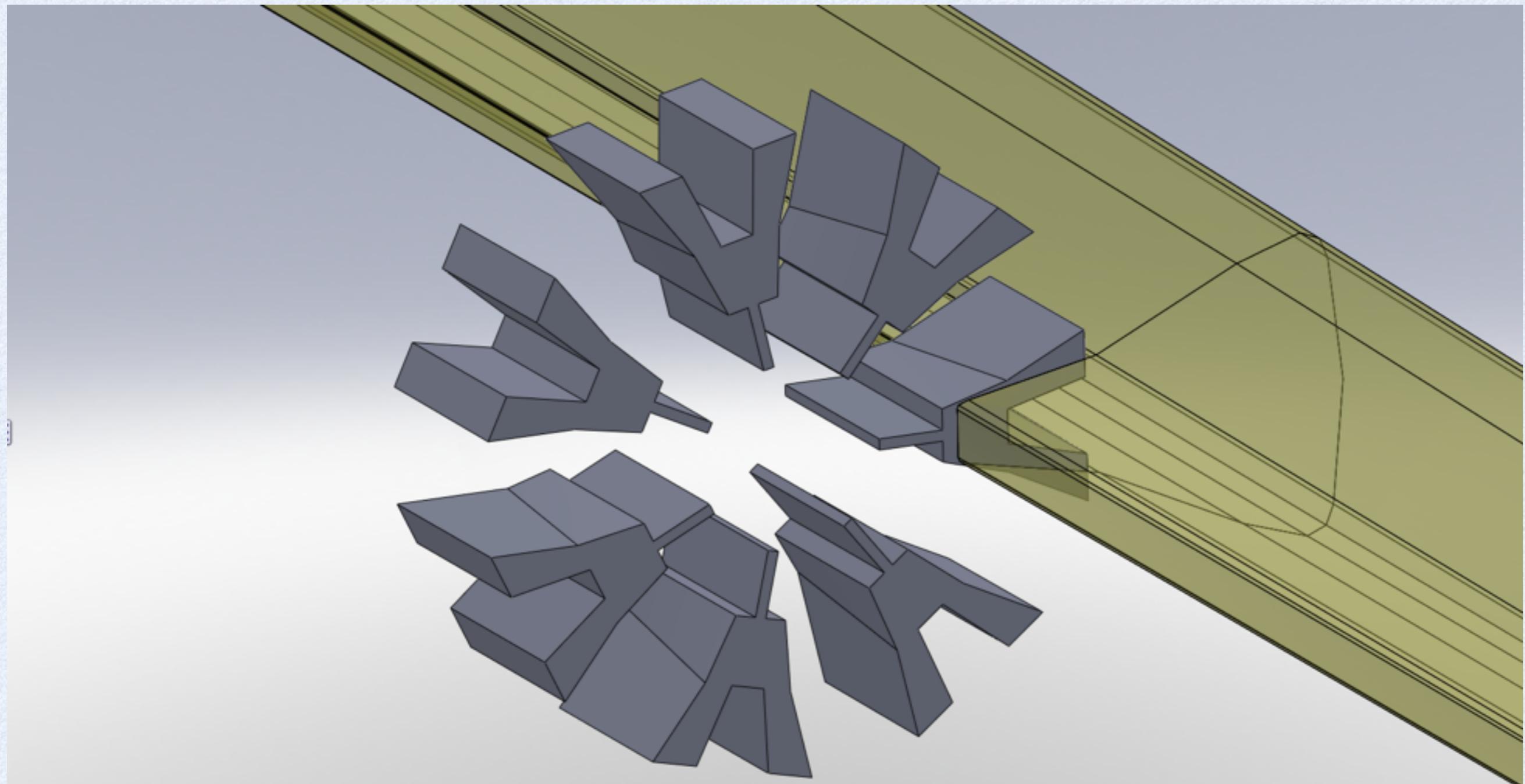
Petal cuts in collimators were defined by cross section of ee electrons



Photon Envelopes



Collimator 5

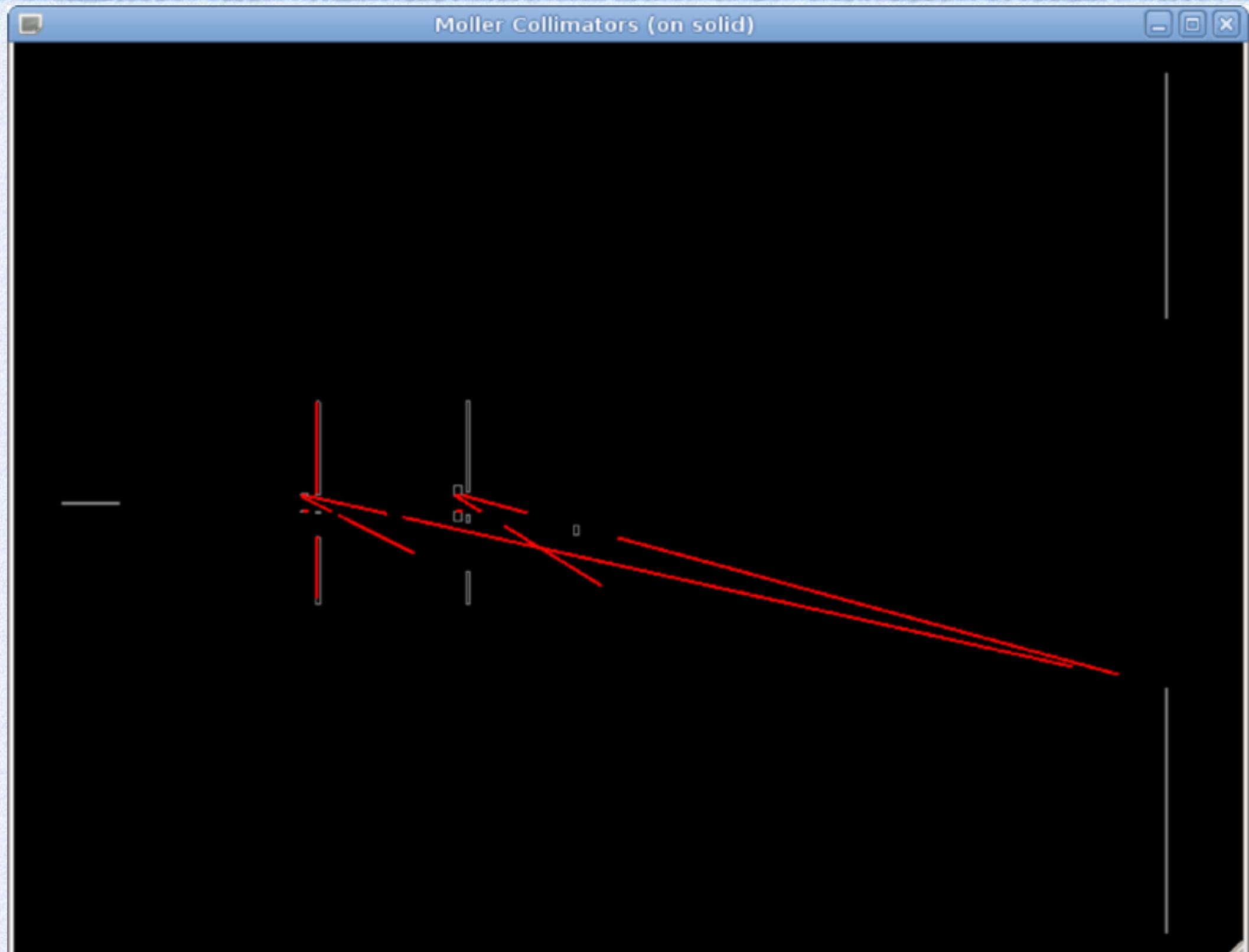


Photon beam incident on collimator 5

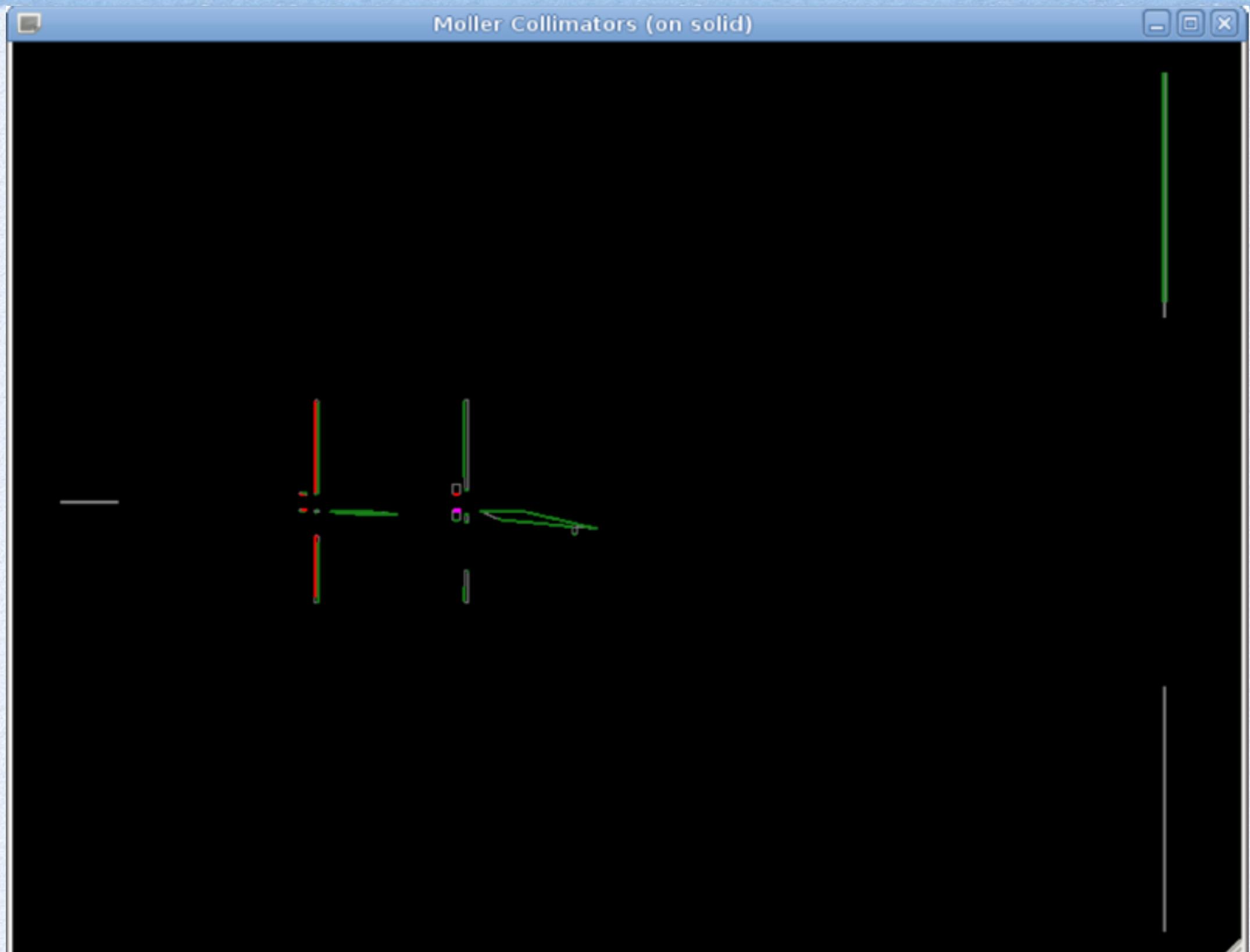
2-Bounce System



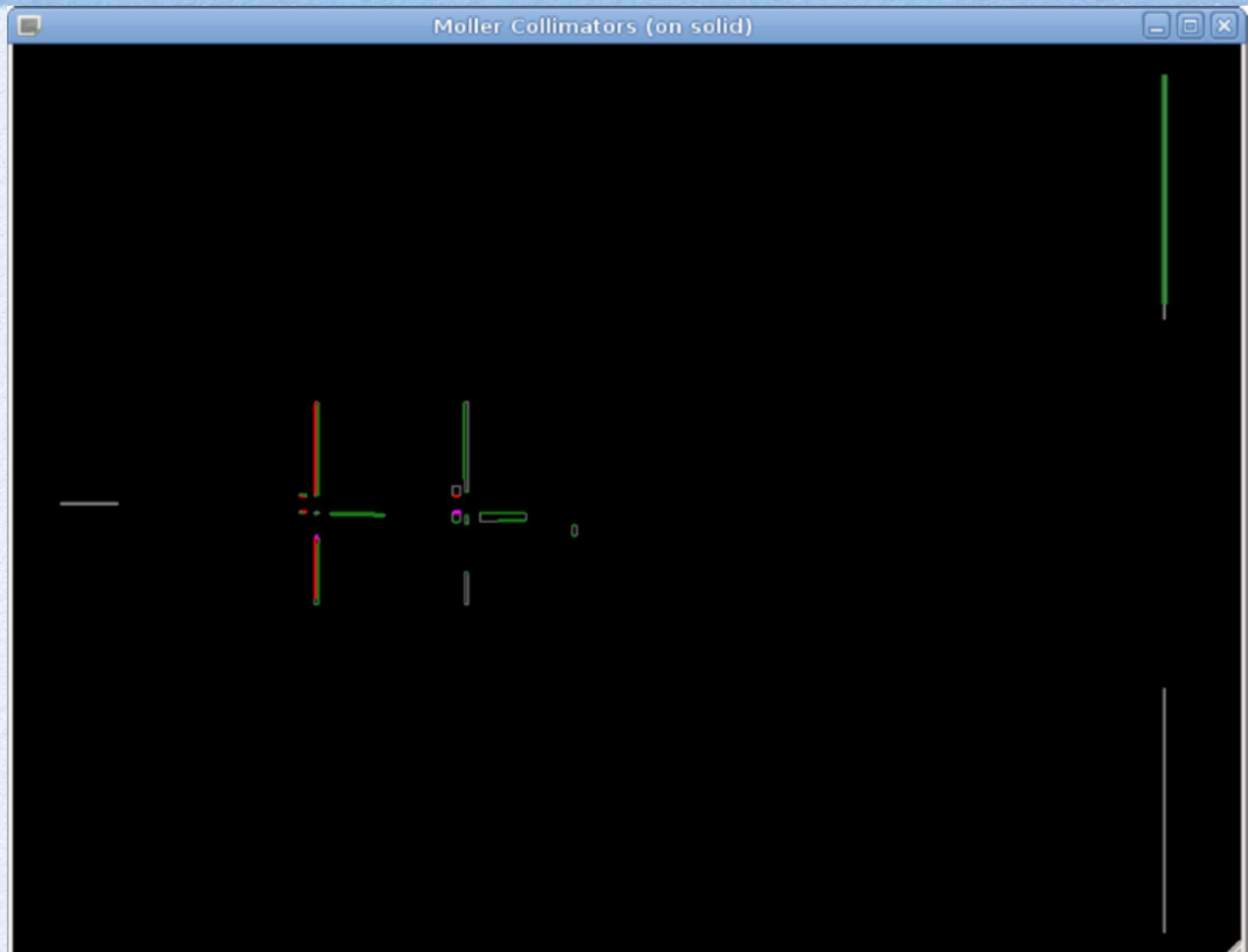
2-Bounce System



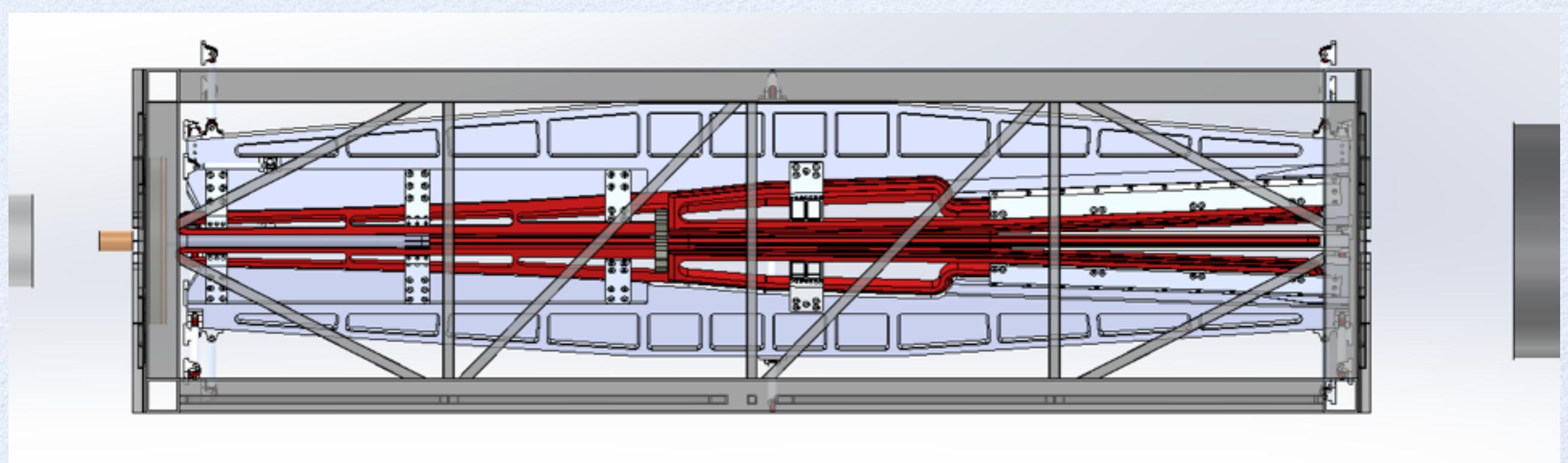
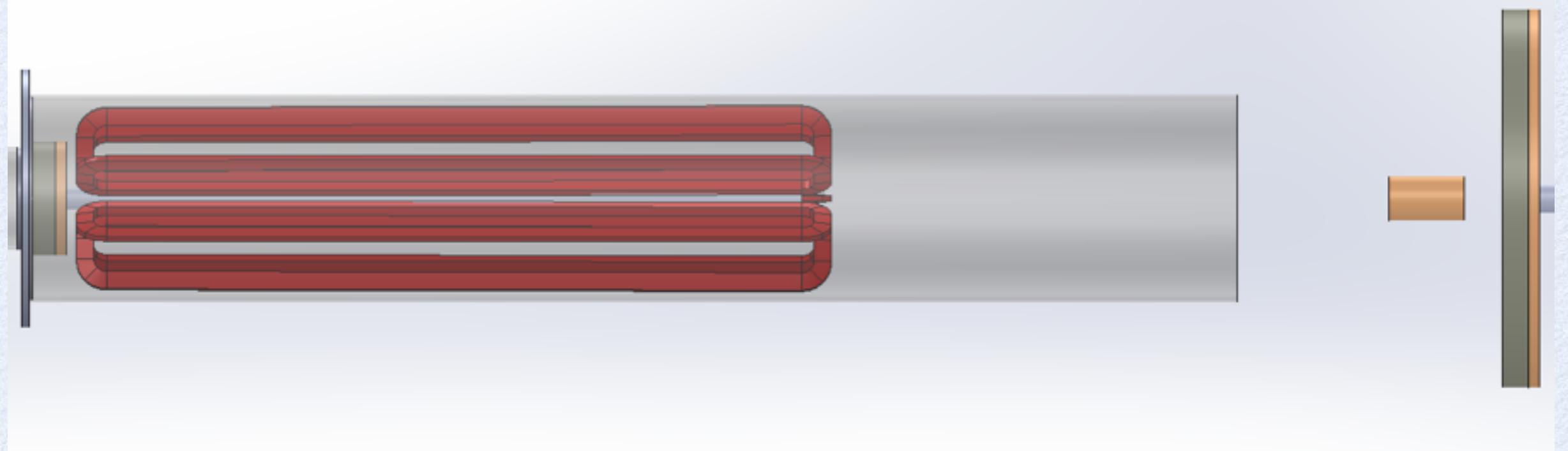
2-Bounce System



2-Bounce System

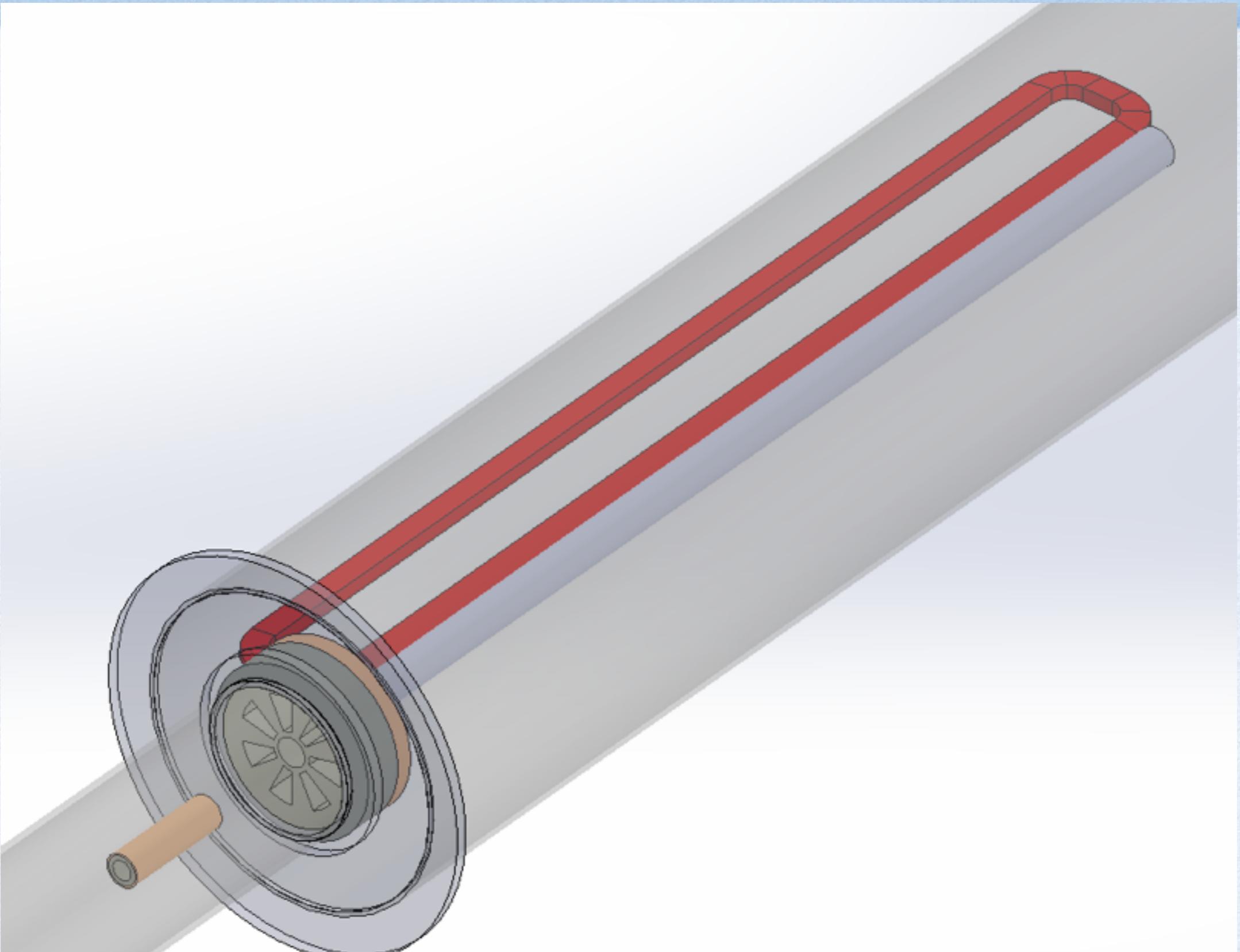


2-Bounce System



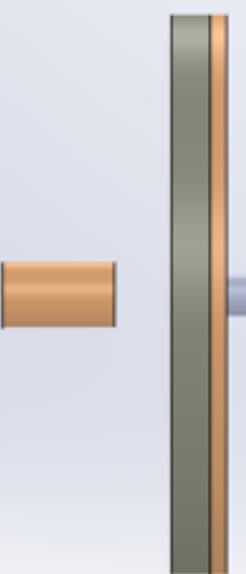
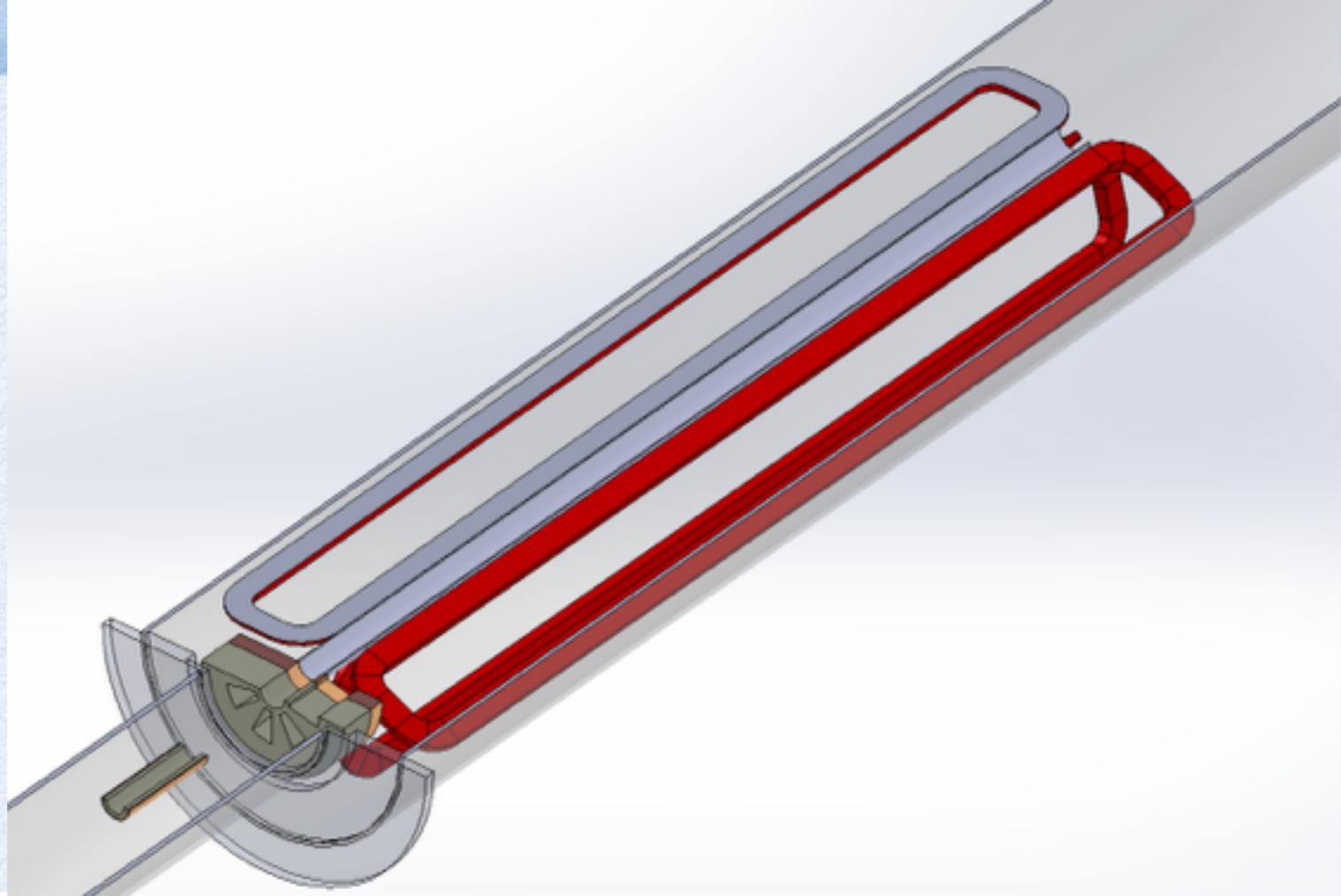
Region II

Upstream Collimation



Region II

Upstream Collimation



Region III Hybrid Toroids

