Revisiting collimators:

• PRL Suppl Mat $\Rightarrow$ we can cut backscatter by 2-3. Cu coils unchanged.

•CeSiC makes more forward scattering than SS.

Smaller backscatter, so I thought CeSiC best anyway.

Then Alexandre improved the design, adding:

•cleanup thin W for forward scattering, and

•glassy carbon in front. Minimizes backscatter with or without CeSic

The W limits forward scattering well (even with finite trap cloud in G4).

We would add a thin SS double-sided CF to place each mirror

So I propose:

• stay with SS and live with that amount of forward scattering (the PRL Supp Mat suggests it's a tiny effect),

• add the glassy C to cut the backscatter. Less invasive of the setup, and preserves alignment. Vertical alignment really is critical for either RAC or AC MOT.

Alternatively, we could do nothing inside. We have so many external things to fix that we are in some trouble now.