

Development of optical system for the evaluation of glass cell

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Goal: Measurement of the electric dipole moment(EDM) using Fr

Problem: the number of atoms diffusing towards trap area is limited

How to solve?



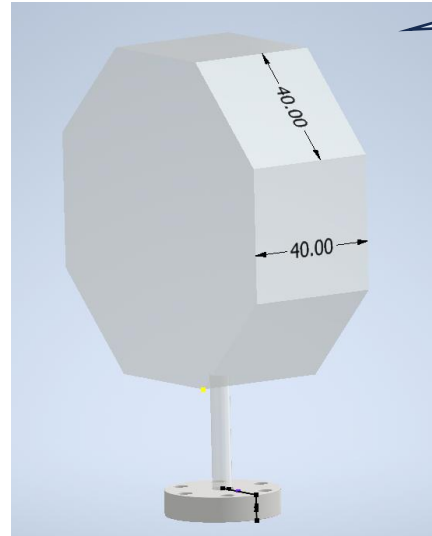
Using glass cell

Why?



- OTS coating
- Large beam size is available

Efficient trapping is possible!



Must deal with this!!

Quantitative evaluation is needed in our system!!

We developed an IF-ECDL as an optical system