

TRANSITION SECTION & DAMPING, $\beta=1$

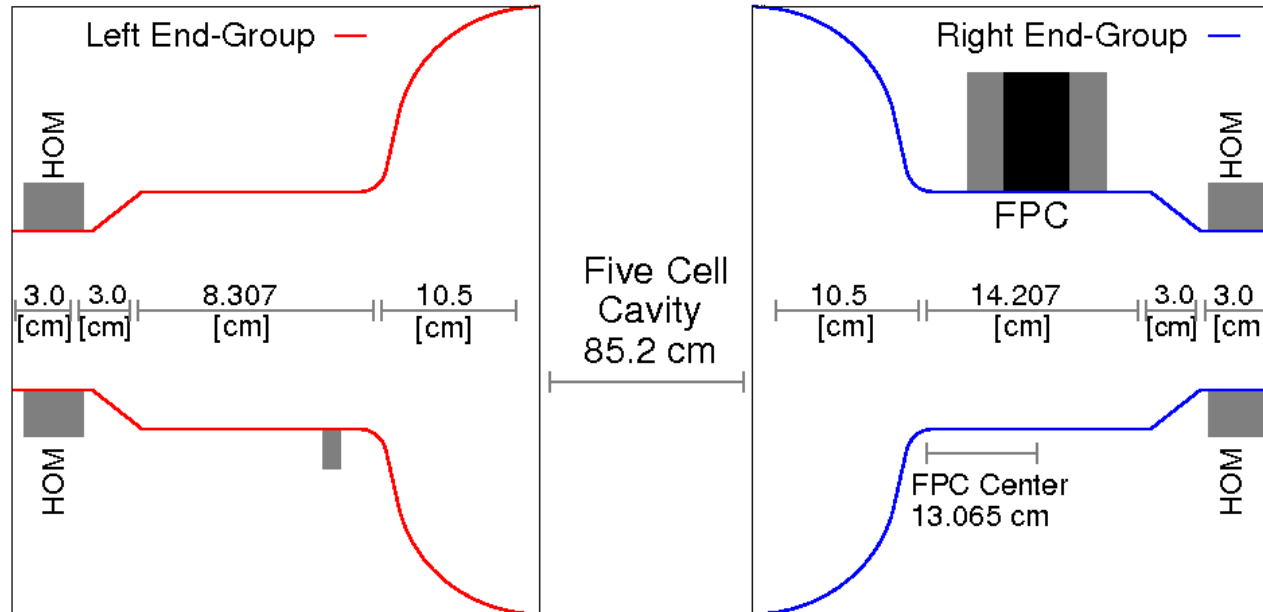
R. Calaga, Feb 8, 2010

Baseline transition section

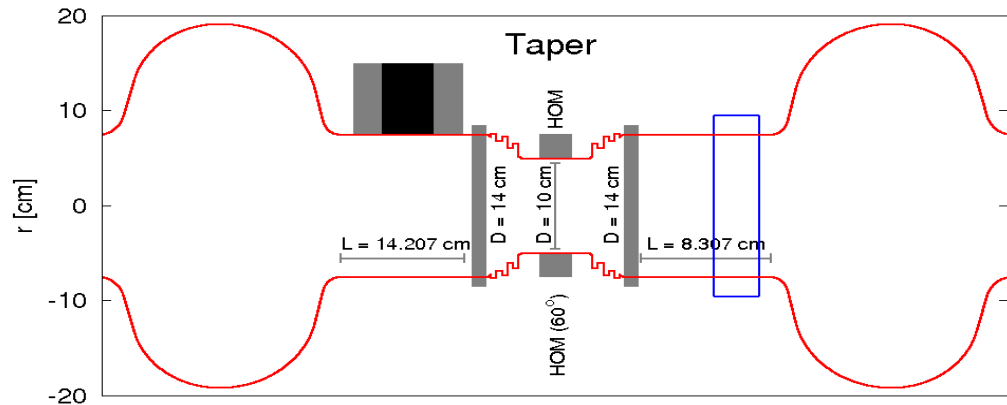
Overall length compatible with SPL cryomodule

Tapered bellows ?

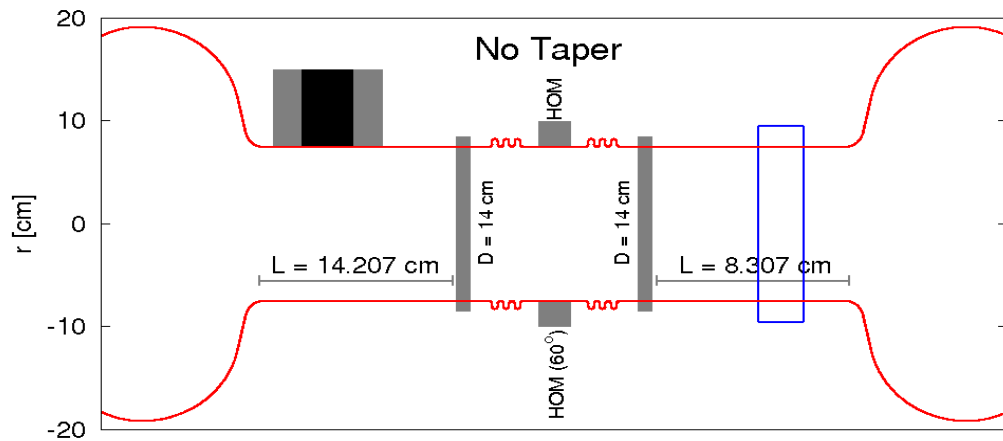
Preliminary damping numbers (3 transition concepts)



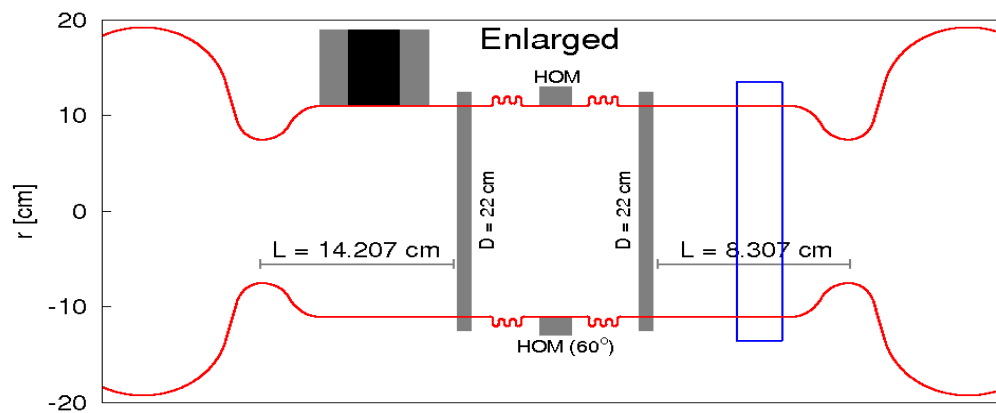
THREE TRANSITION CONCEPTS



Baseline ($R=7.5\text{cm} \rightarrow 5.0\text{cm}$): Tapered Bellows



Smooth beam pipe ($R=7.5\text{ cm}$)



eRHIC ($R=7.5\text{ cm} \rightarrow 11\text{ cm}$)

Not compatible with SPL cryomodule

PRELIM DAMPING NUMBERS

No bellows included
HOMs absorbers "ideal"

