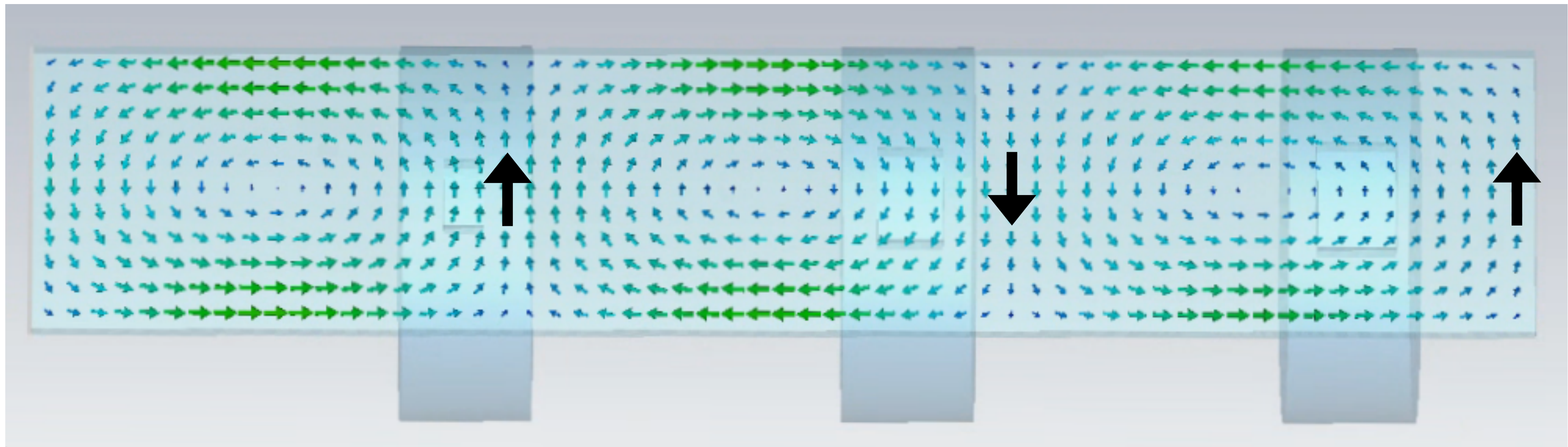
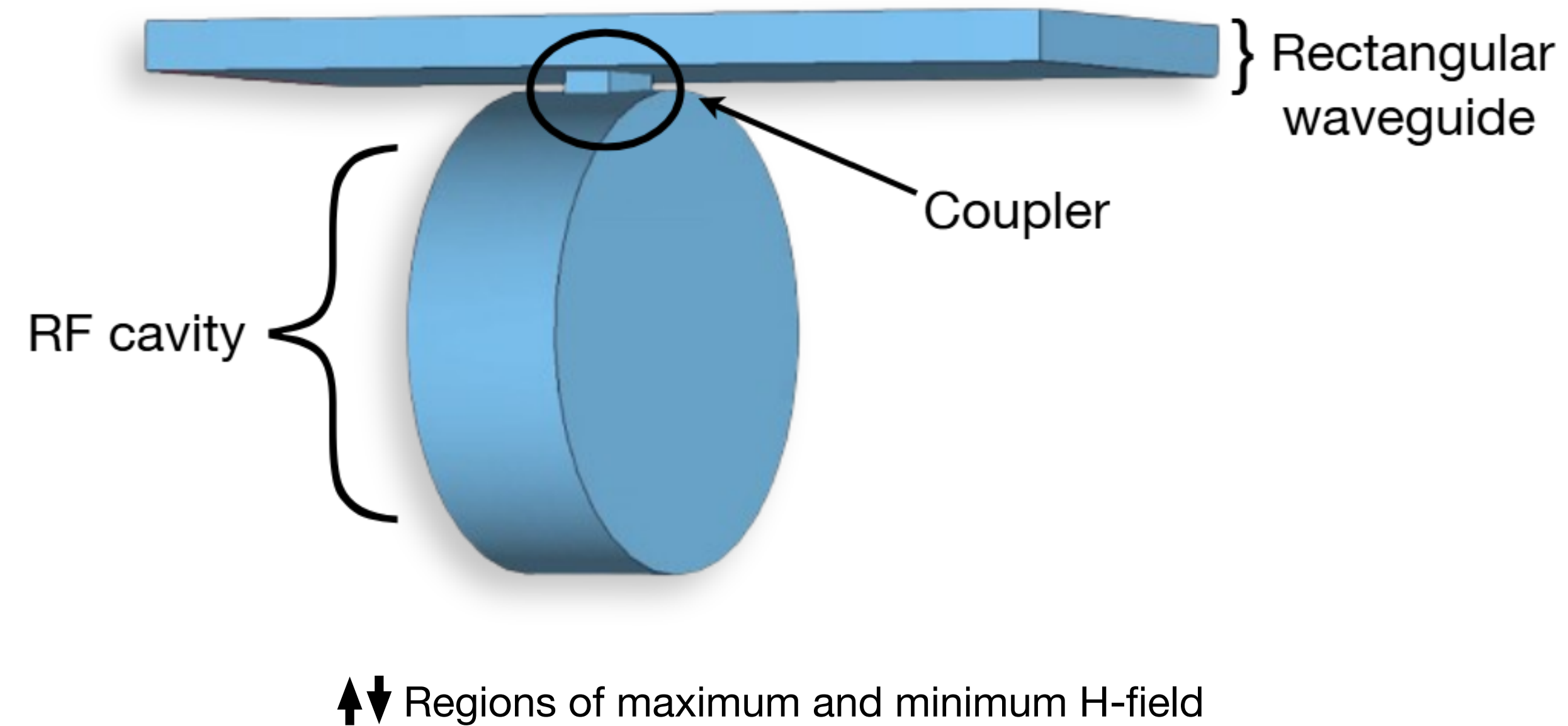


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Recap

- Spacing of waveguide modes may not necessarily match the phase advance required by the muon beam.



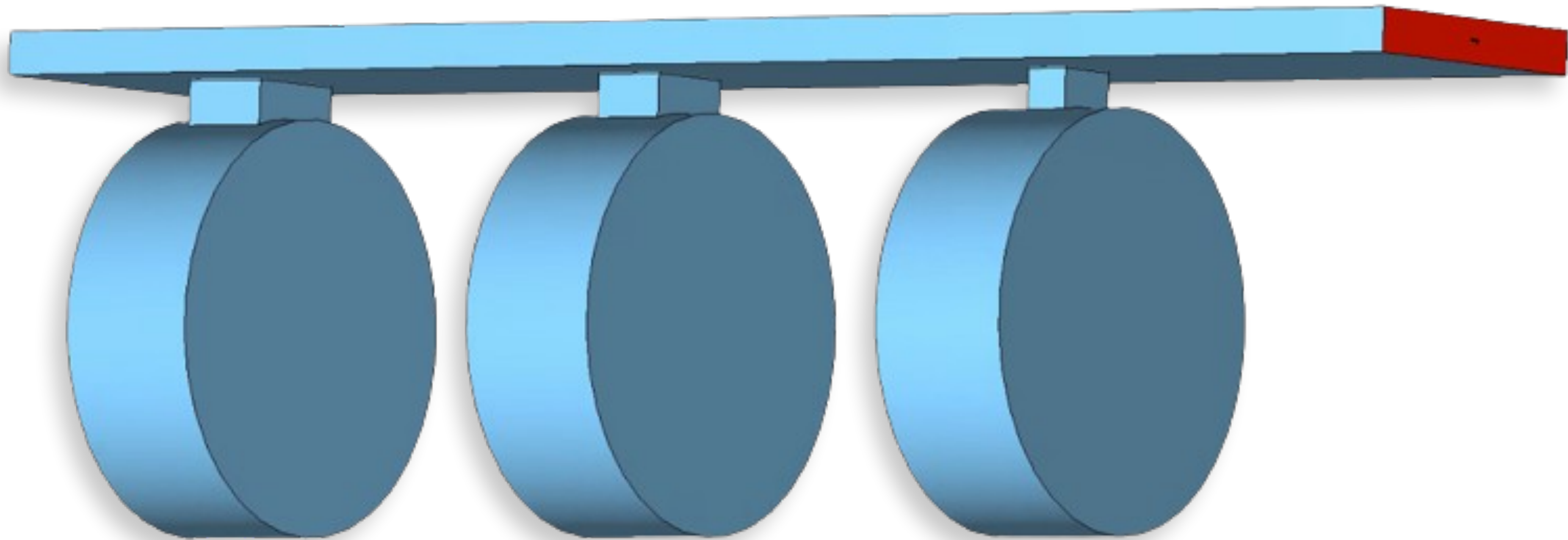
View of magnetic fields in a waveguide driven at 805 MHz

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$$Q_0 = \frac{\omega U}{P_d}$$

$$Q_{ext} = \frac{\omega U}{P_{ext}}$$

All about couplers!



Exaggerated model of tuned couplers