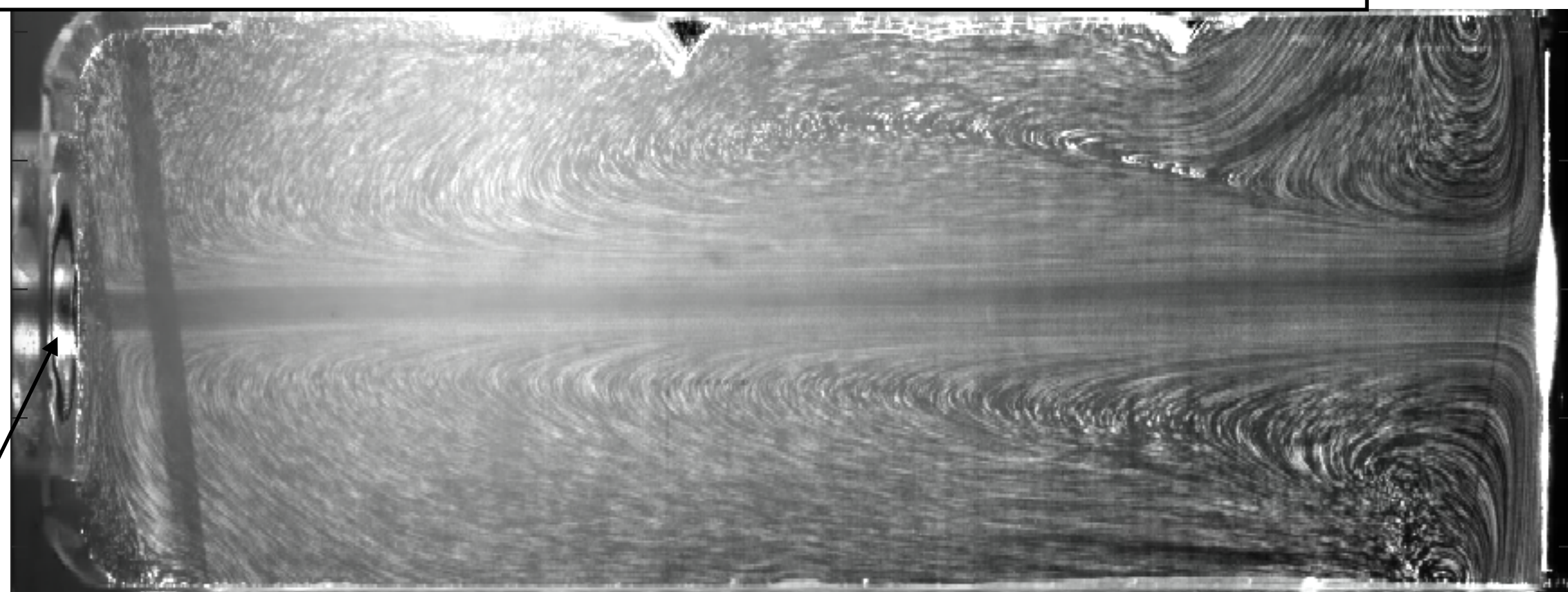
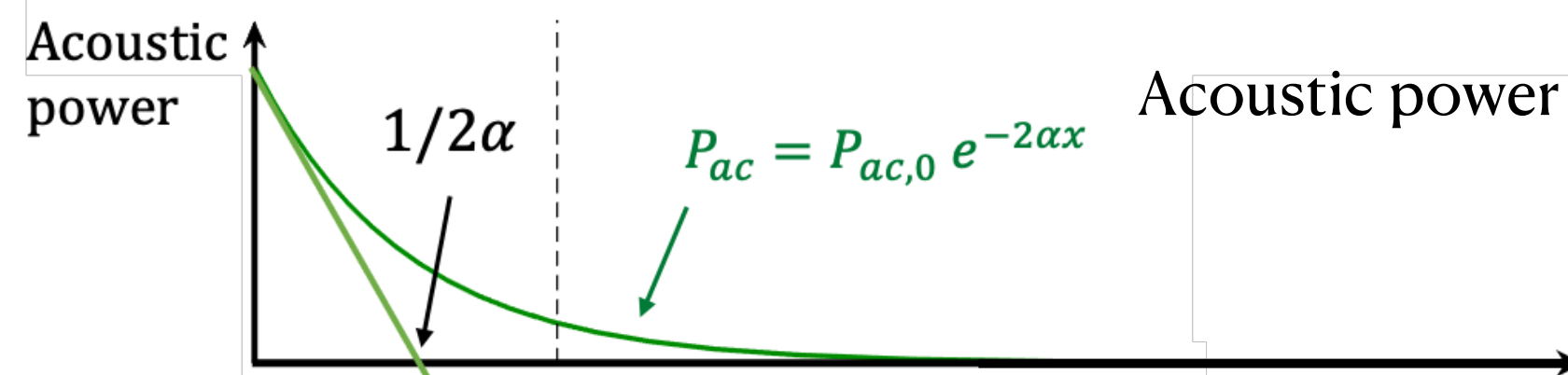
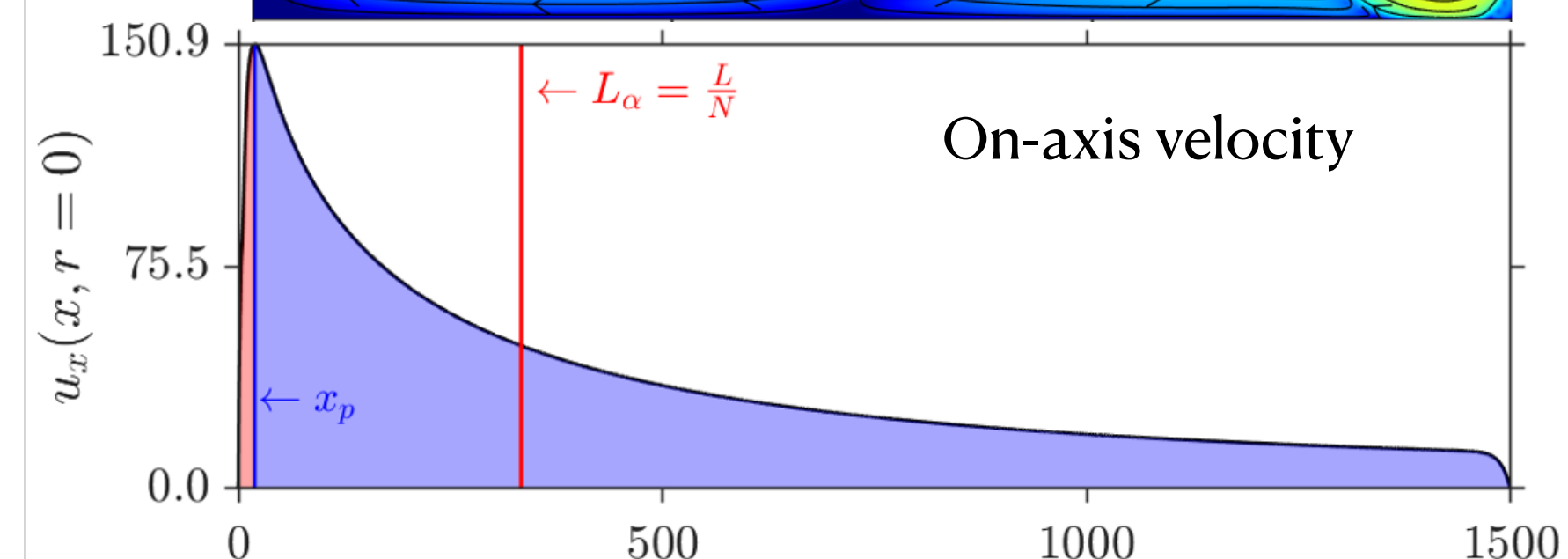
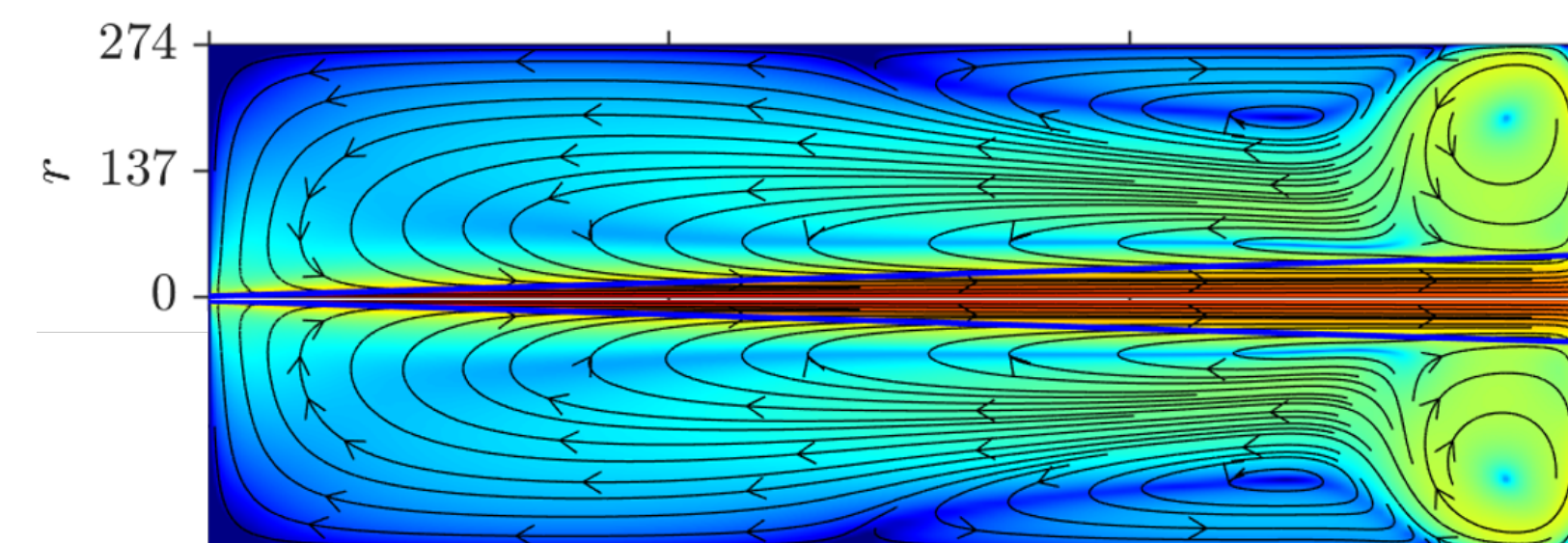


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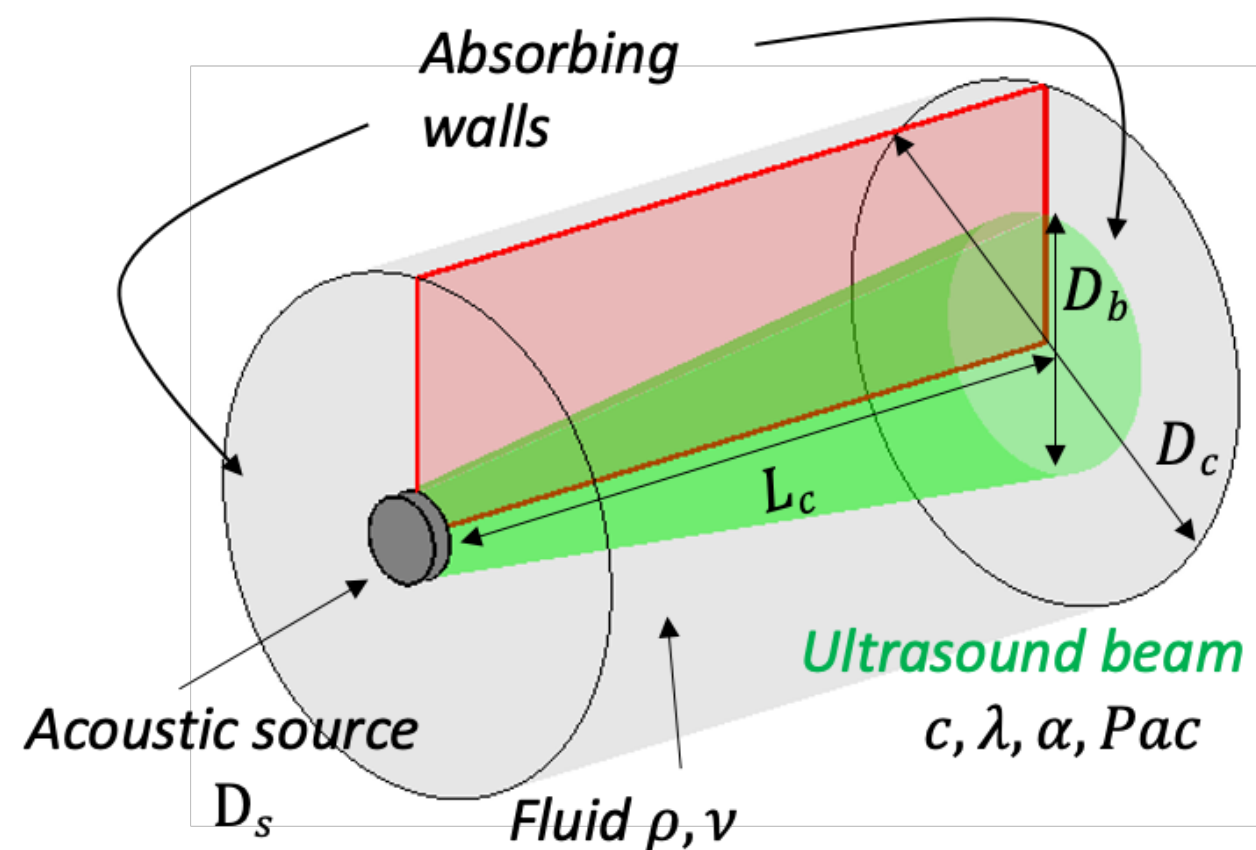
Eckart streaming at 8 MHz in water (time-averaged PIV images)



Jet velocity magnitude



Simulated configuration



With hydrodynamics lengthscales, the set of parameters:

$$N = \alpha L_c \text{ ATTENUATION LENGTH } \in [0.05; 4.5]$$

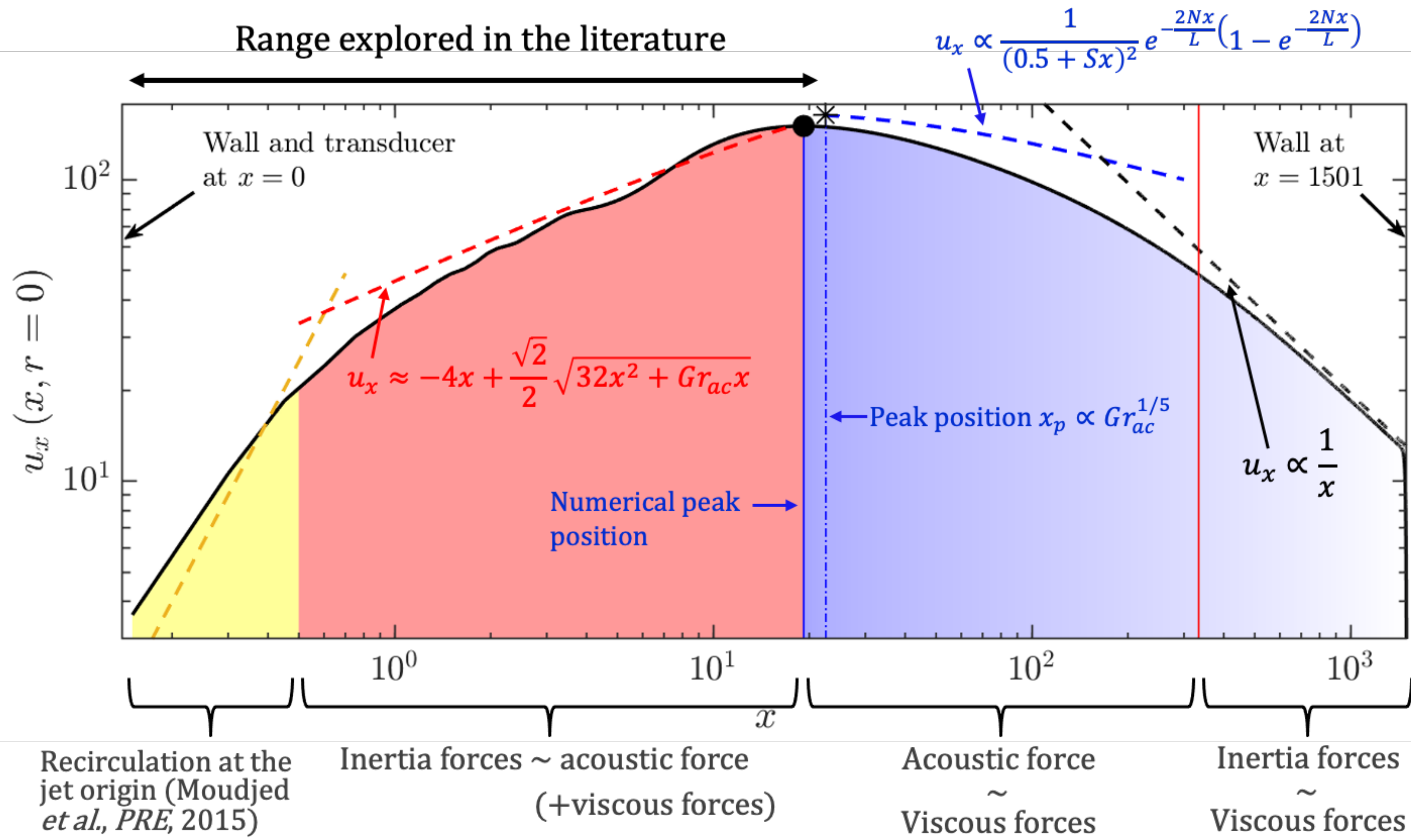
$$S = 1.22 \frac{\lambda}{D_s} \text{ Diffraction of the beam (fixed)}$$

$$Gr_{ac} = \frac{32\alpha P_{ac} D_s}{\pi \rho \nu^2}, \dots + \text{geometry ratios}$$

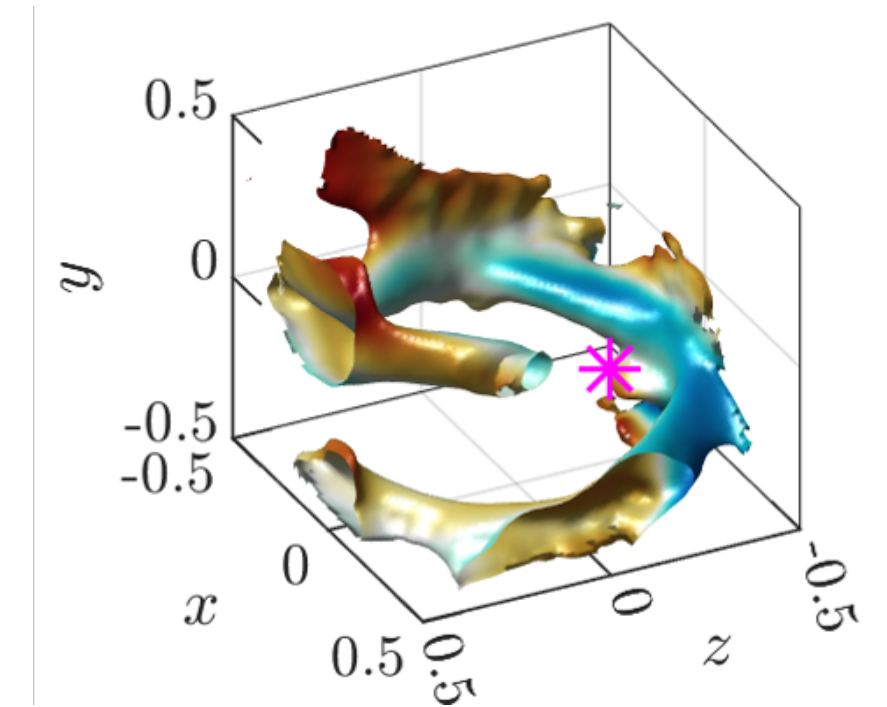


# Results on the poster

Scalings laws of on-axis velocity on a wide range of forcing magnitude for  $N \sim 1$   
for each part of the jet



+ some coherent comparison with experimental data



+ sonic blooms ...

