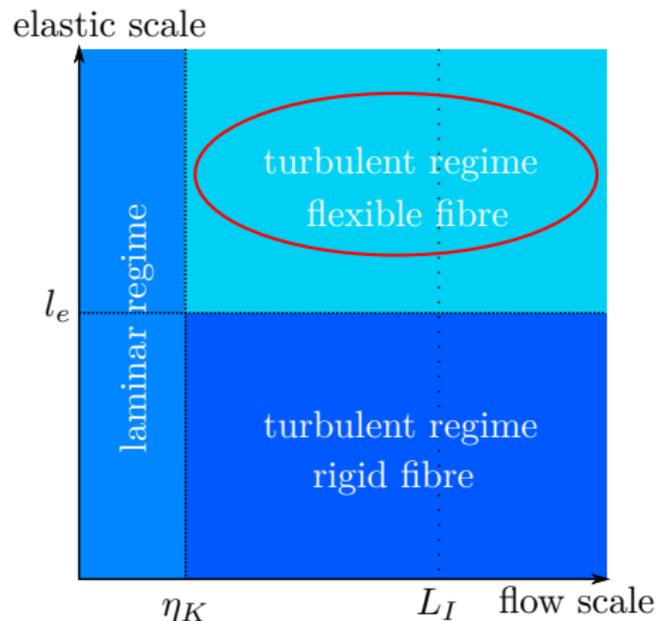


State of the art

- Studies on the influence of the size and the density of spherical particles on the turbulent transport (Toschi & Bodenschatz, 2009)
- Works on the role of anisotropy (Voth & Sodati, 2017)

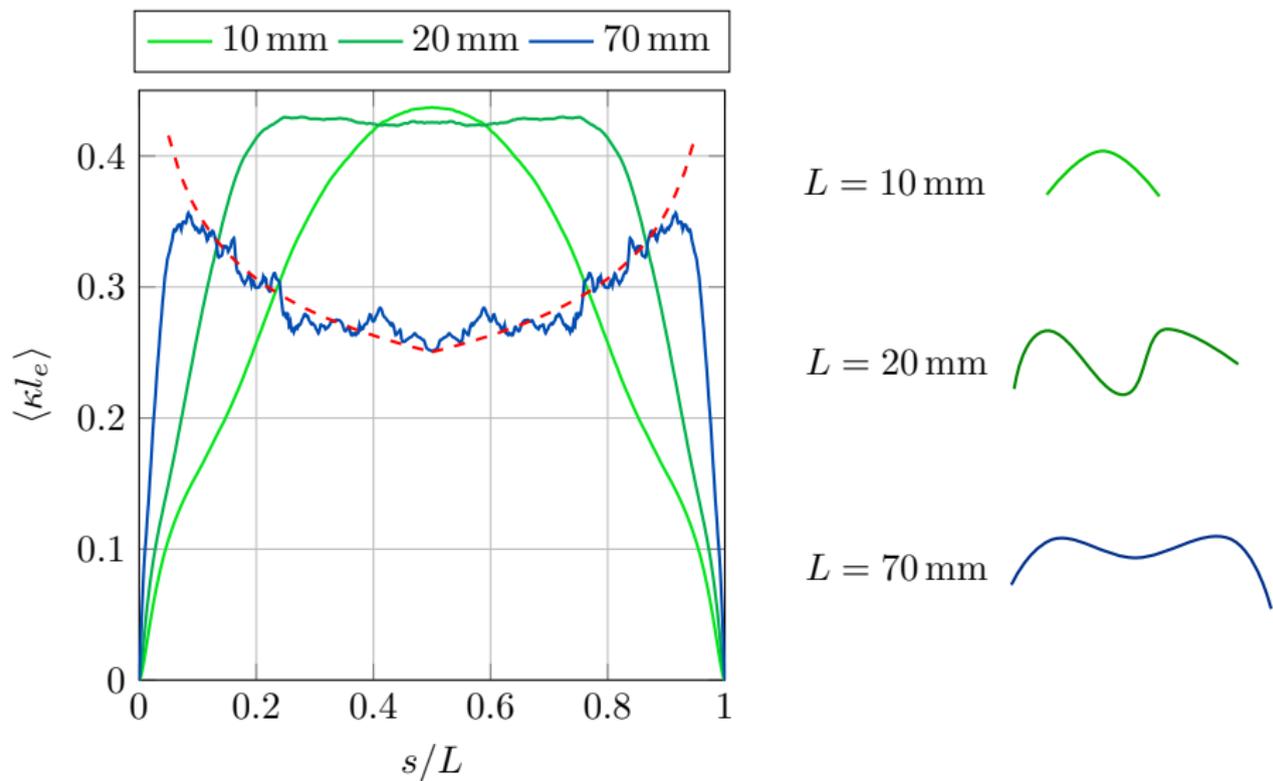
Issue

- Influence of the turbulent flow on the fibre deformations



Statistics of the Deformations of Flexible Fibres in a Turbulent Flow

Amélie Gay, Benjamin Favier et Gautier Verhille



⇒ When the fibre length increases, the local curvature at the fibre center decreases