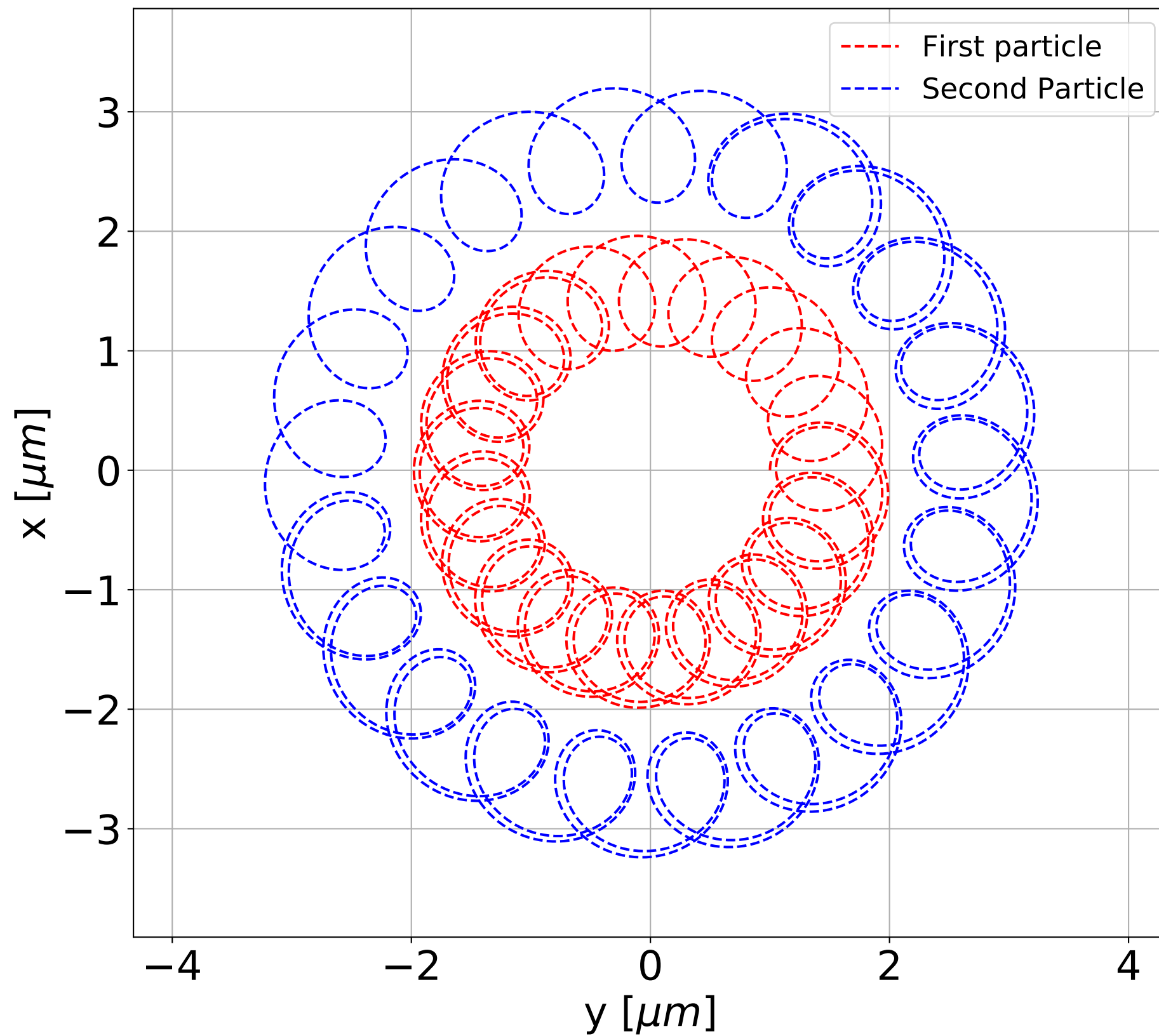


# Particle motions in the xy-plane

## Without Particle interactions



## With Particle interactions

