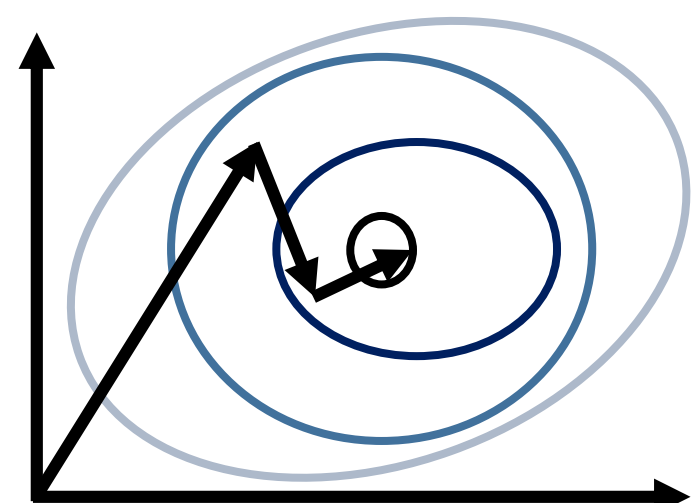
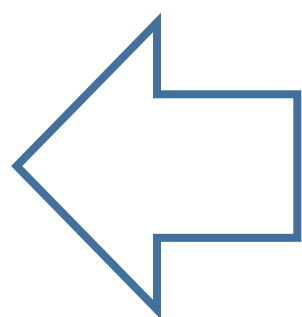


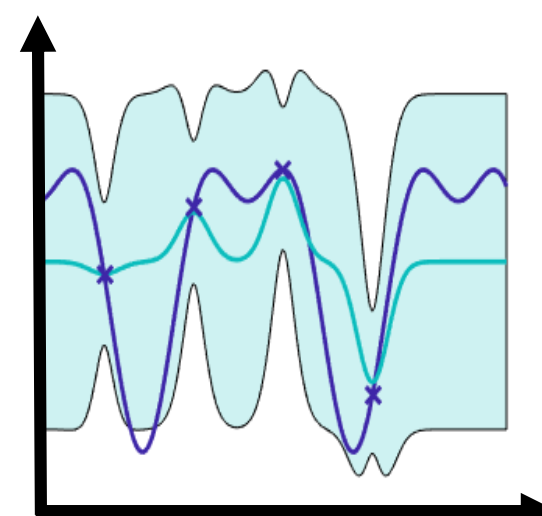
# Optimisation Algorithm

New Settings  
 $X \in \mathbb{R}^M$



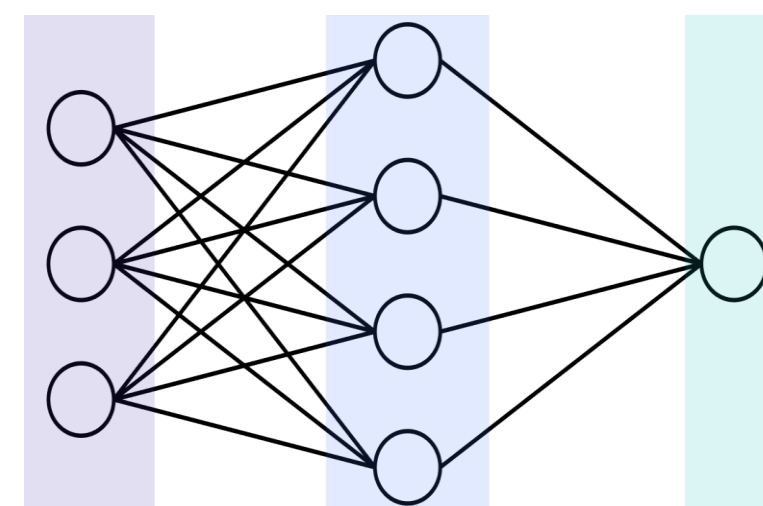
Differential  
Evolution

or

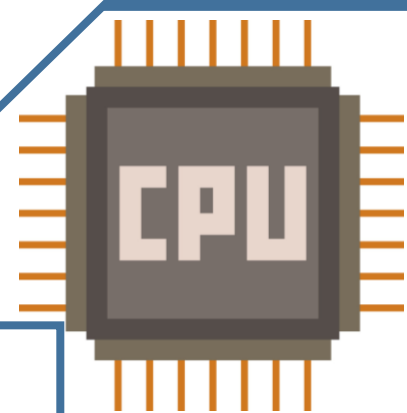


Gaussian Process  
Regression

or

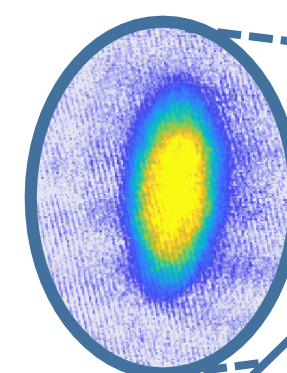


Artificial Neural  
Network



Builds experimental instructions from  
new settings

Runs new experimental sequence

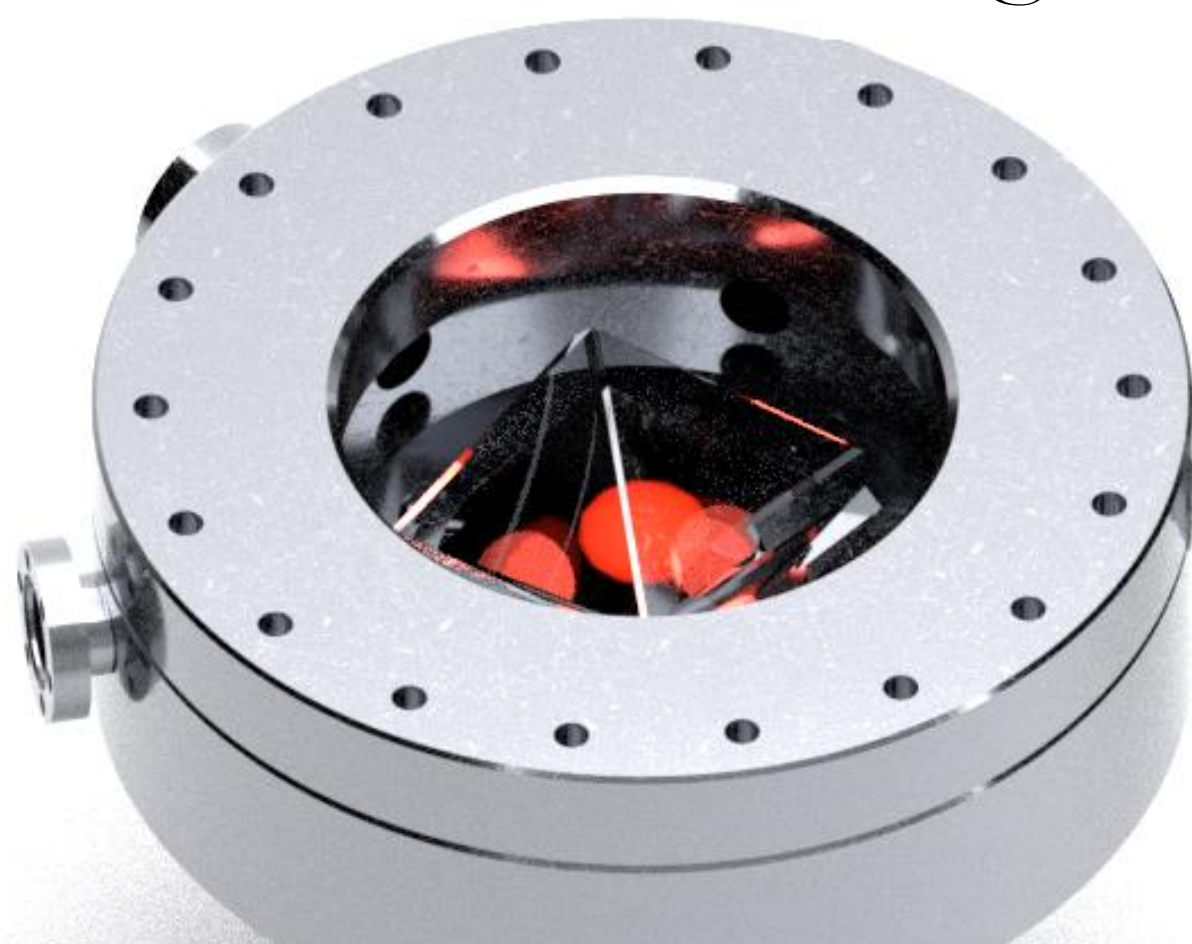


Analyse

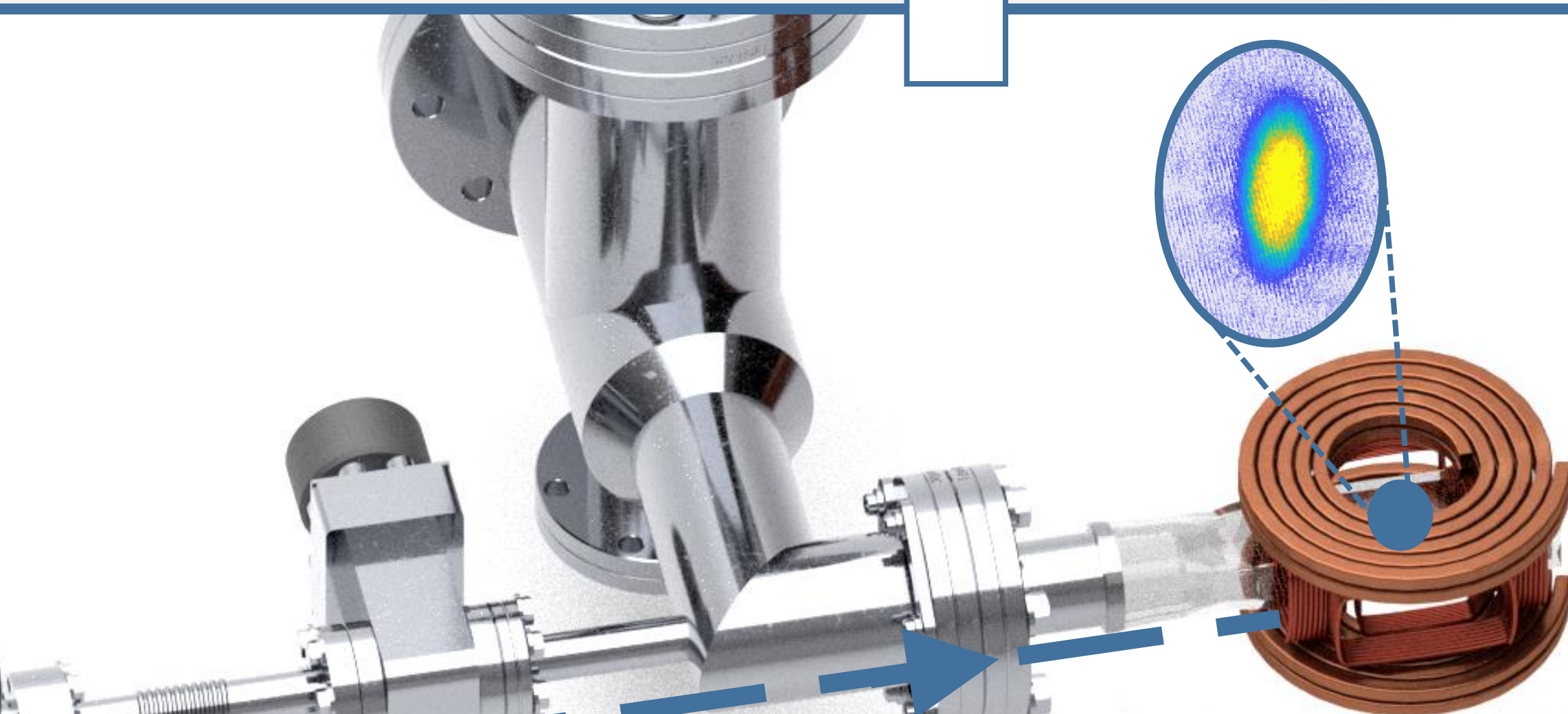
Cost  $Y$

## Apparatus

Laser Cooling



Transport



Evaporative  
Cooling

