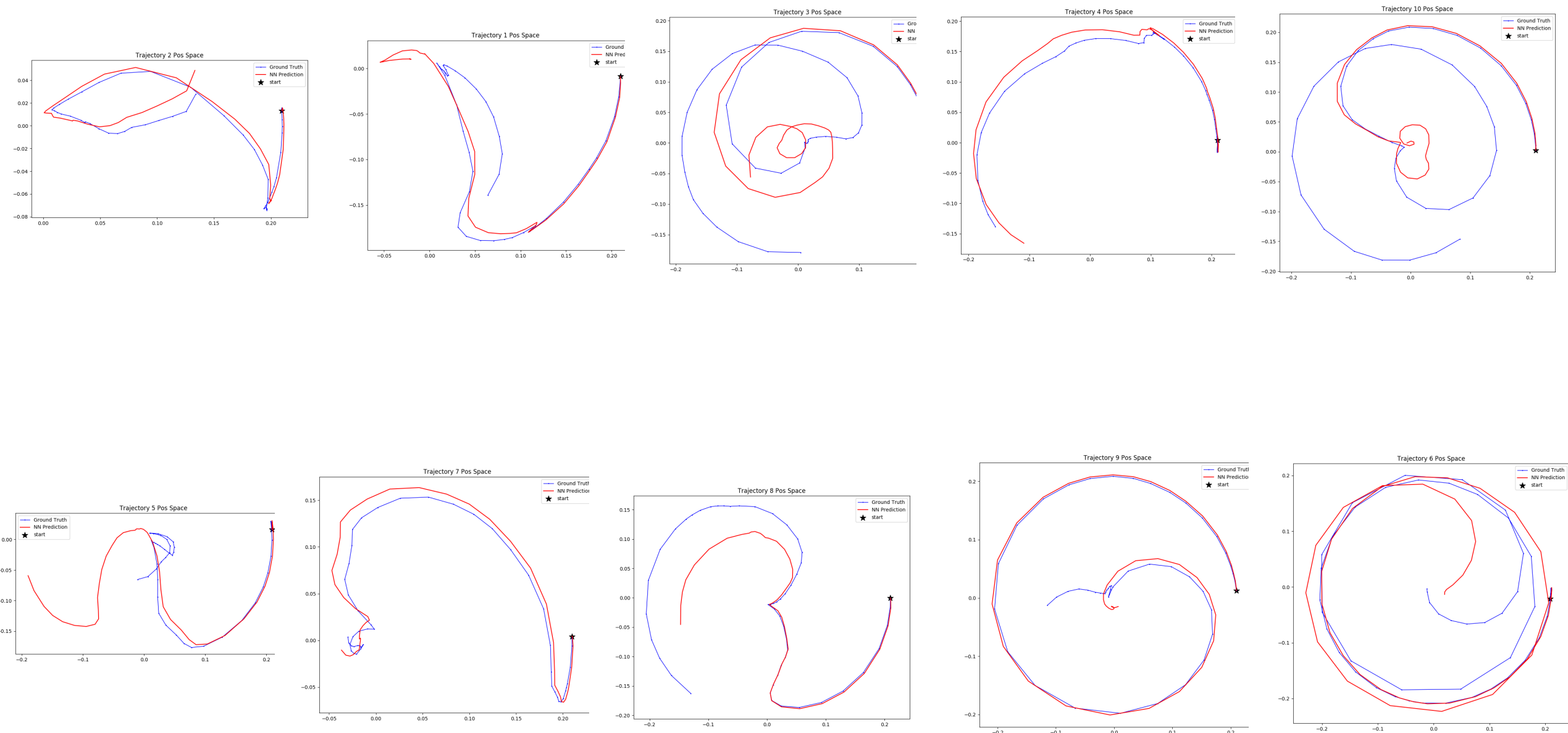# Meeting 06/03/2020

Shuo Zhang
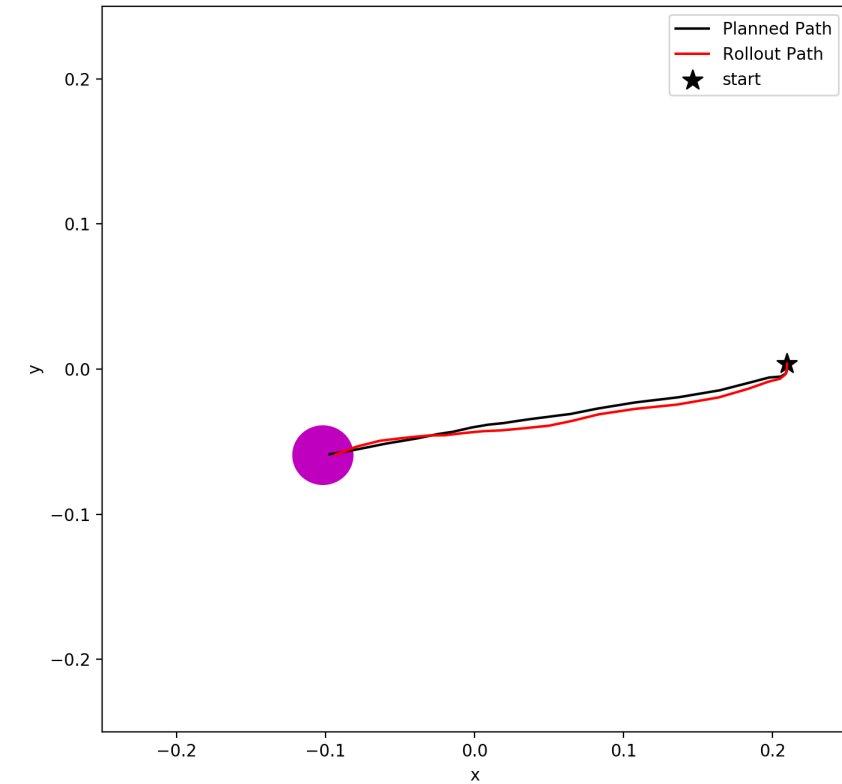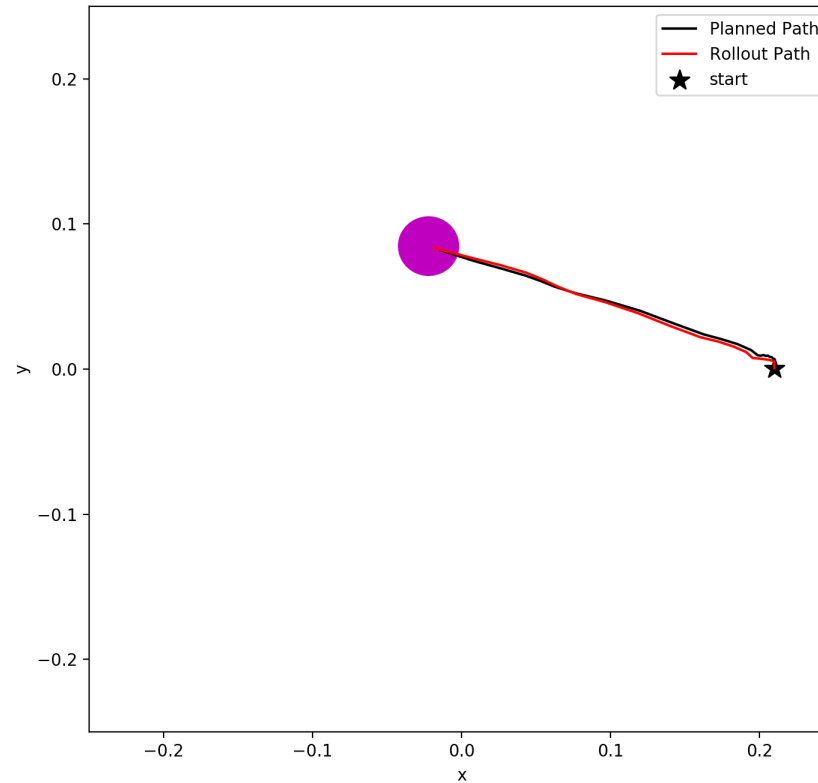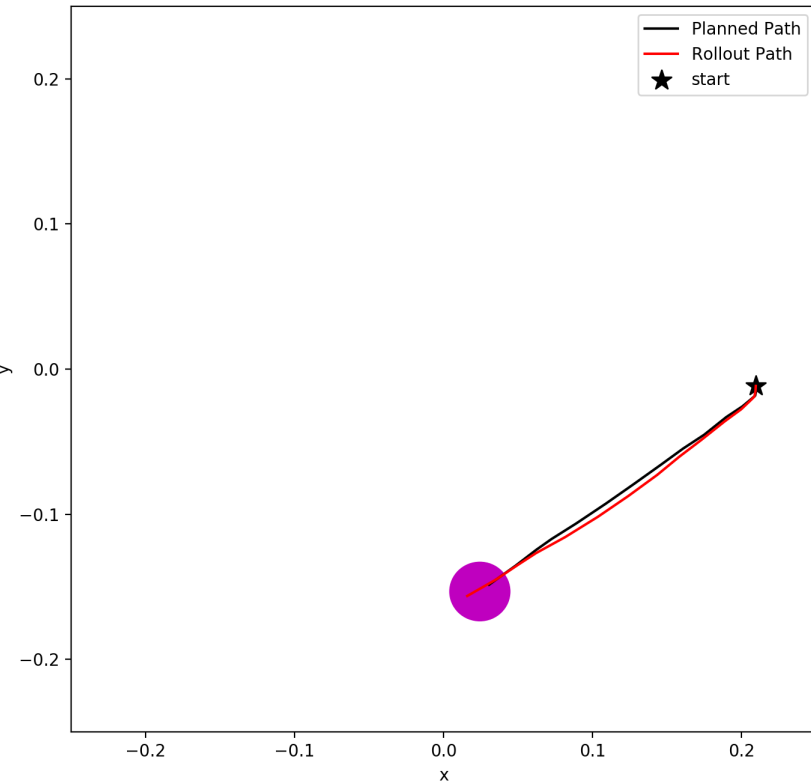
Mujoco/Gym Experiments
Progress

- Reacher-v2:
  - Collect Data: Done
  - Learn Dynamic Model: Done
  - Model Evaluation: Done
  - Planning: Done
  - Rollout: Done

- Acrobot-v1: (There is an issue)
  - Collect Data: Done
  - Currently Training: Done
  - Model Evaluation: Done
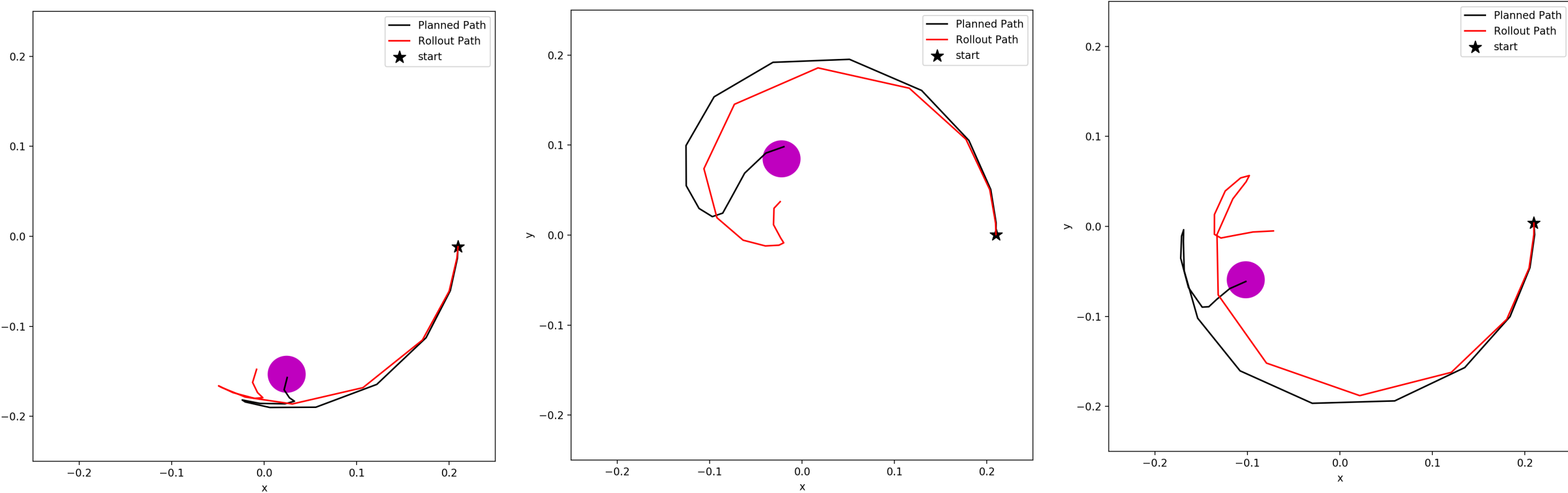 - Planning: Done
  - Rollout: Done

Reacher-v2: Model Evaluation
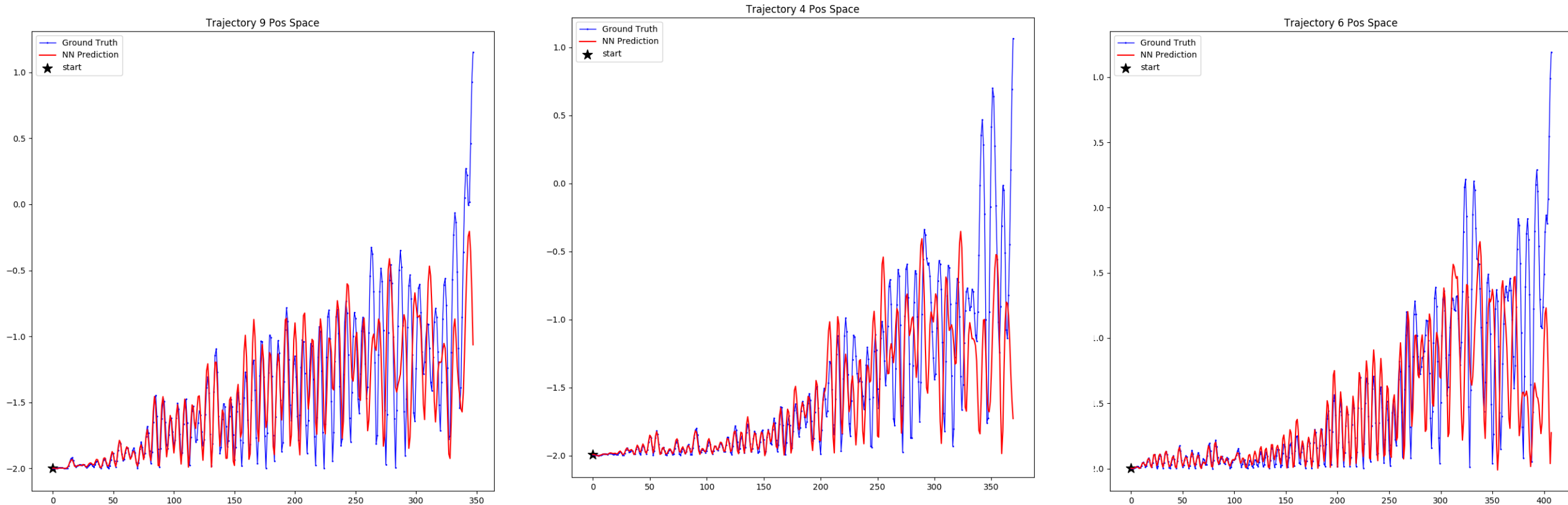
Reacher-v2: Planning+Rollout

Cost Fuction: length of path so far + distance to the goal

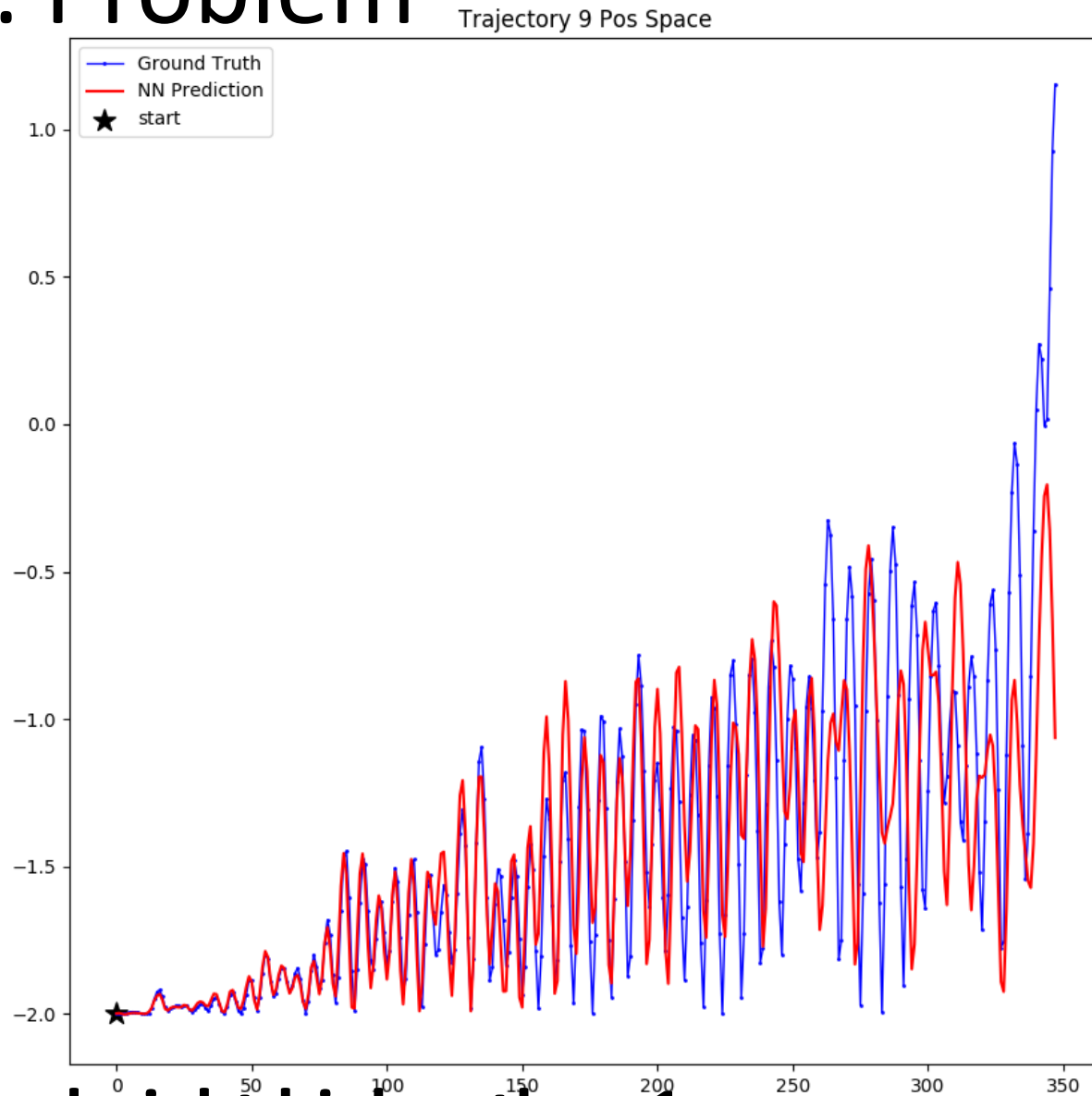# Reacher-v2: Planning+Rollout

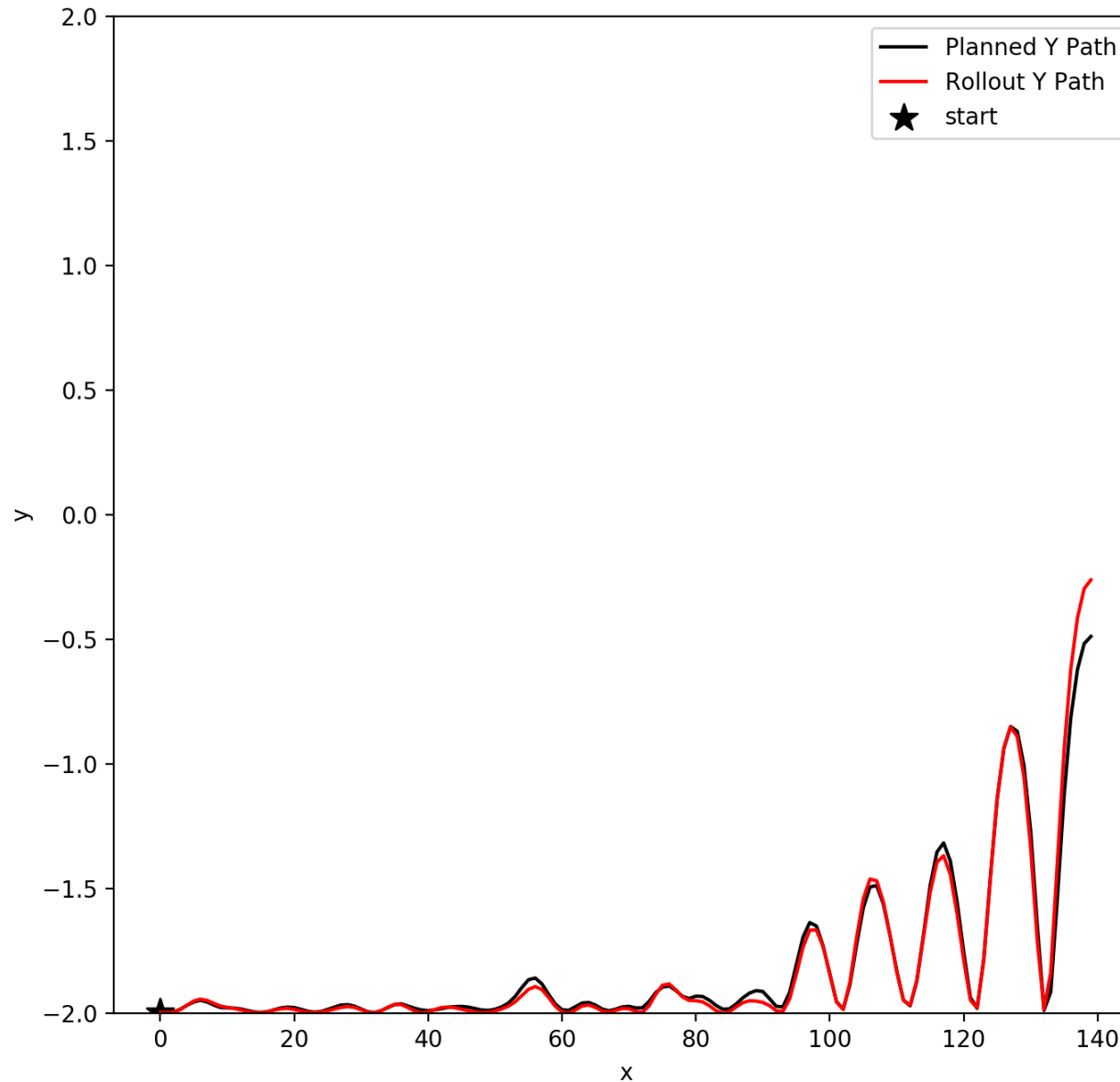**Cost Fuction: only distance to the goal**

Acrobot-v1: Model Evaluation

Trajectory 9 Pos Space

Trajectory 4 Pos Space

Trajectory 6 Pos Space

X axis: steps
Y axis: Height (Y position) of endeffector is plotted

Acrobot-v1: Problem

Trajectory 9 Pos Space

**Goal is to achieve a height higher than 1,
but for all episodes the NN model failed to predict a height higher than 1.**

Acrobot-v1: Planning+Rollout

Goal Height: -0.5

Cost Fuction: length of height path so far + distance to the goal height

Acrobot-v1: Planning+Rollout

Goal Height: 1.0

Planner gave no results after a couple of hours planning.