

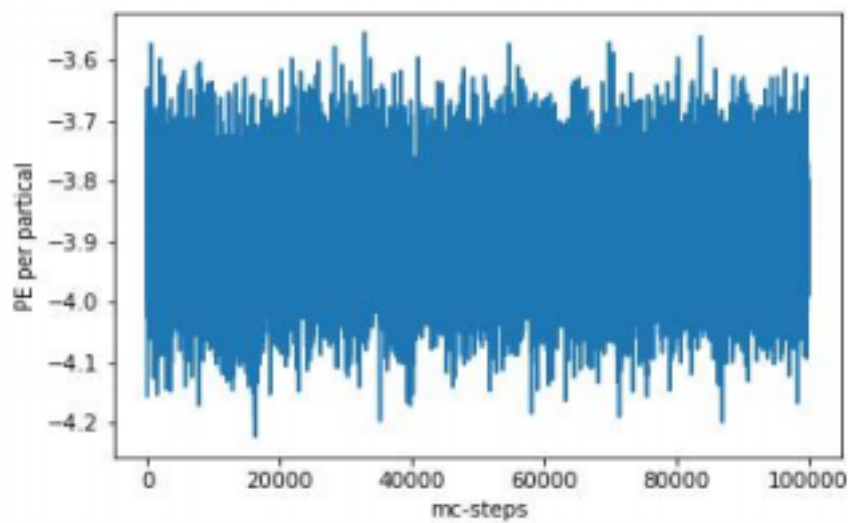
Assignment 2
Monte Carlo
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Inputs:

```
no_step = 100000  
#particel(n) = 108  
temp = 1.0  
r_cut = 2.5  
dens = 0.6  
dr_max = 0.15  
r_min = 0.75  
box = (n/dens)**(1.0/3))
```

Results:

1. Plot of PE_n vs.steps:



2. Average Potential-Energy : -3.889071 3. Fluctuation: 0.075058