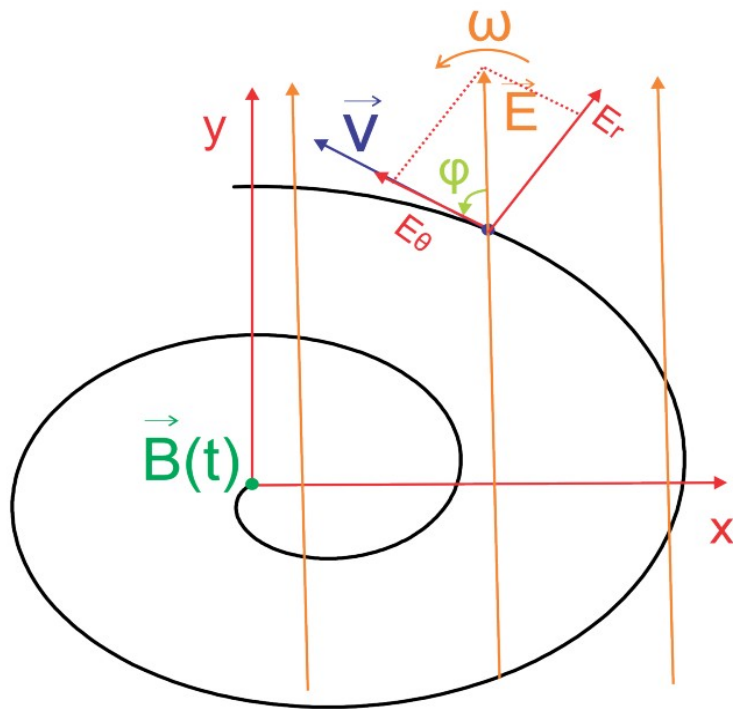


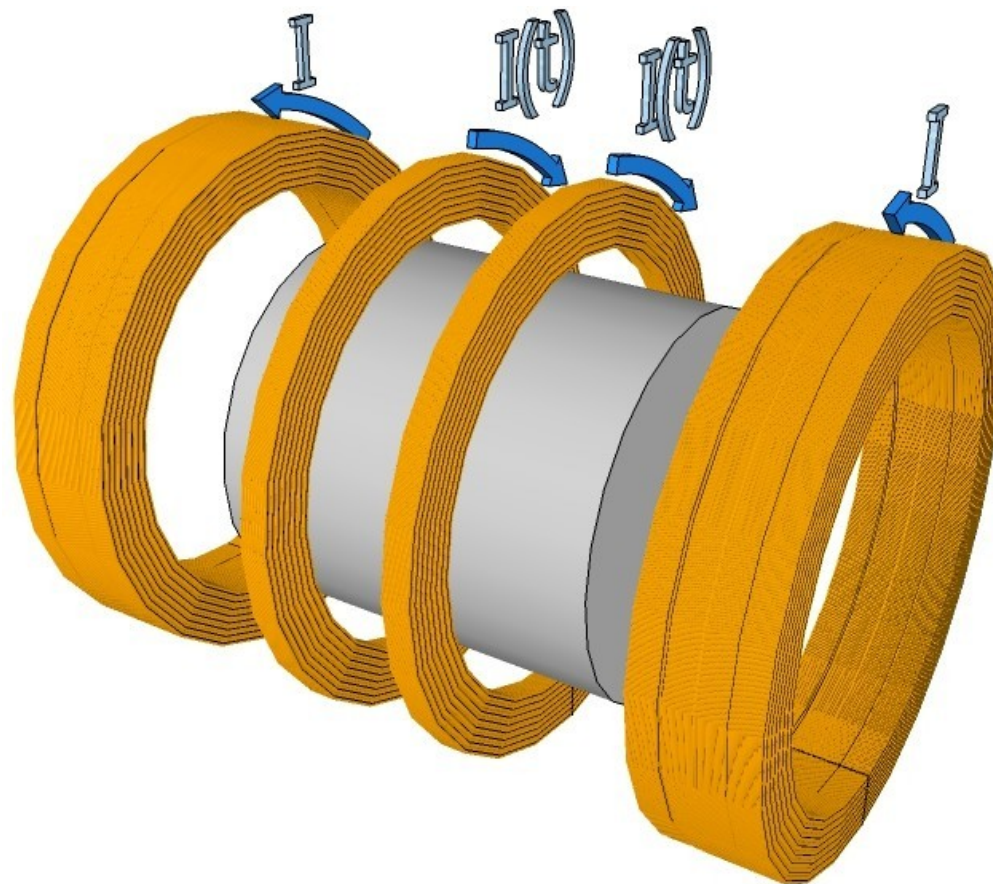
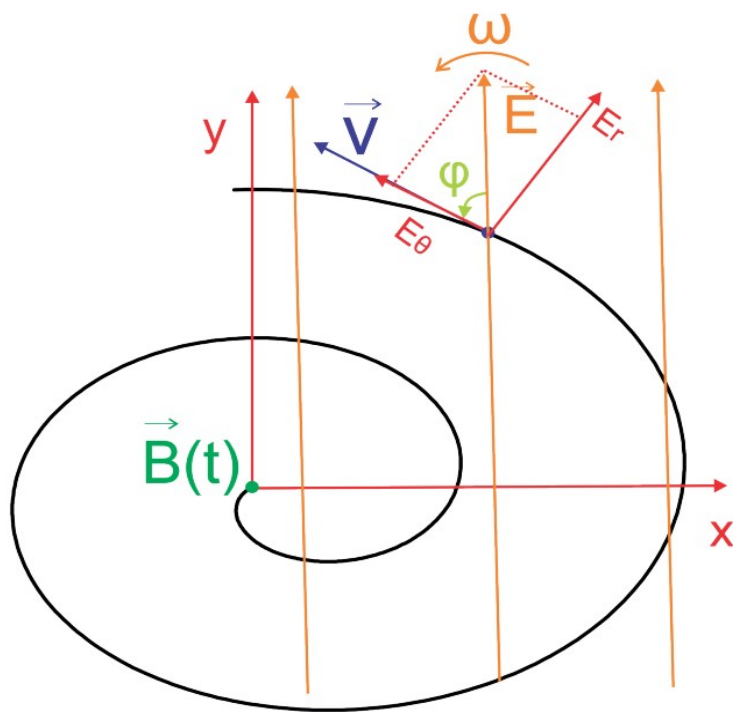
# Simulación de electrones en un mecanismo Gyrac

- Representación esquemática
- Organización de la información
- Testing
- Resultados de interés

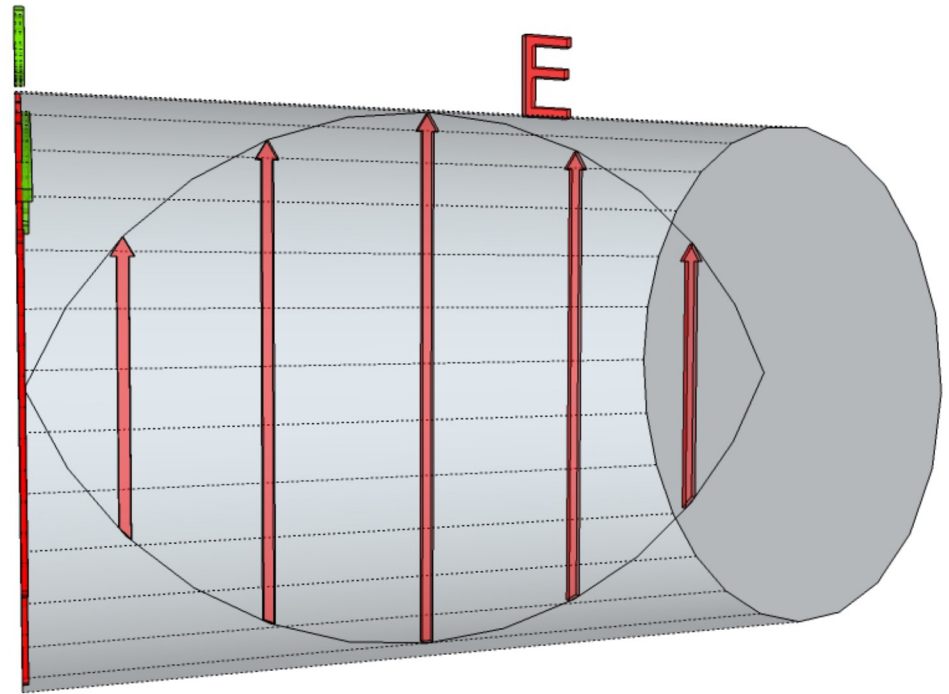
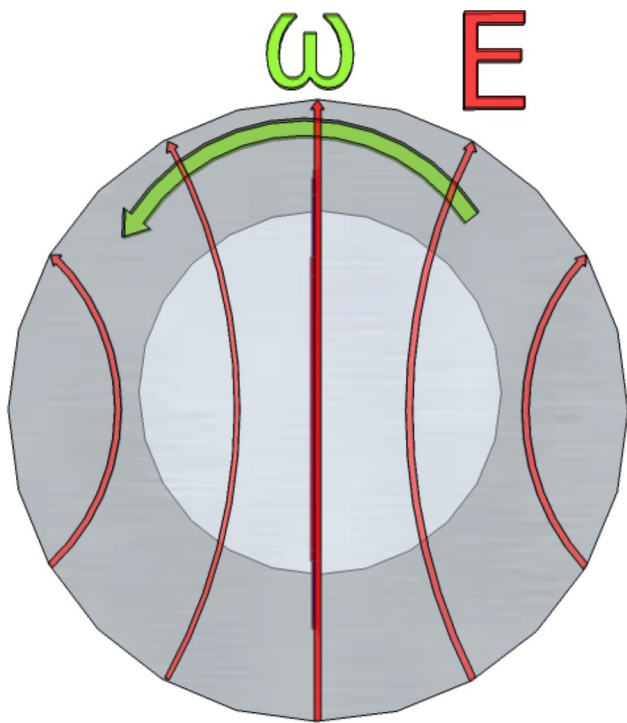
# Representación esquemática



# Representación esquemática



# Representación esquemática



# Organización de la información



# Organización de la información

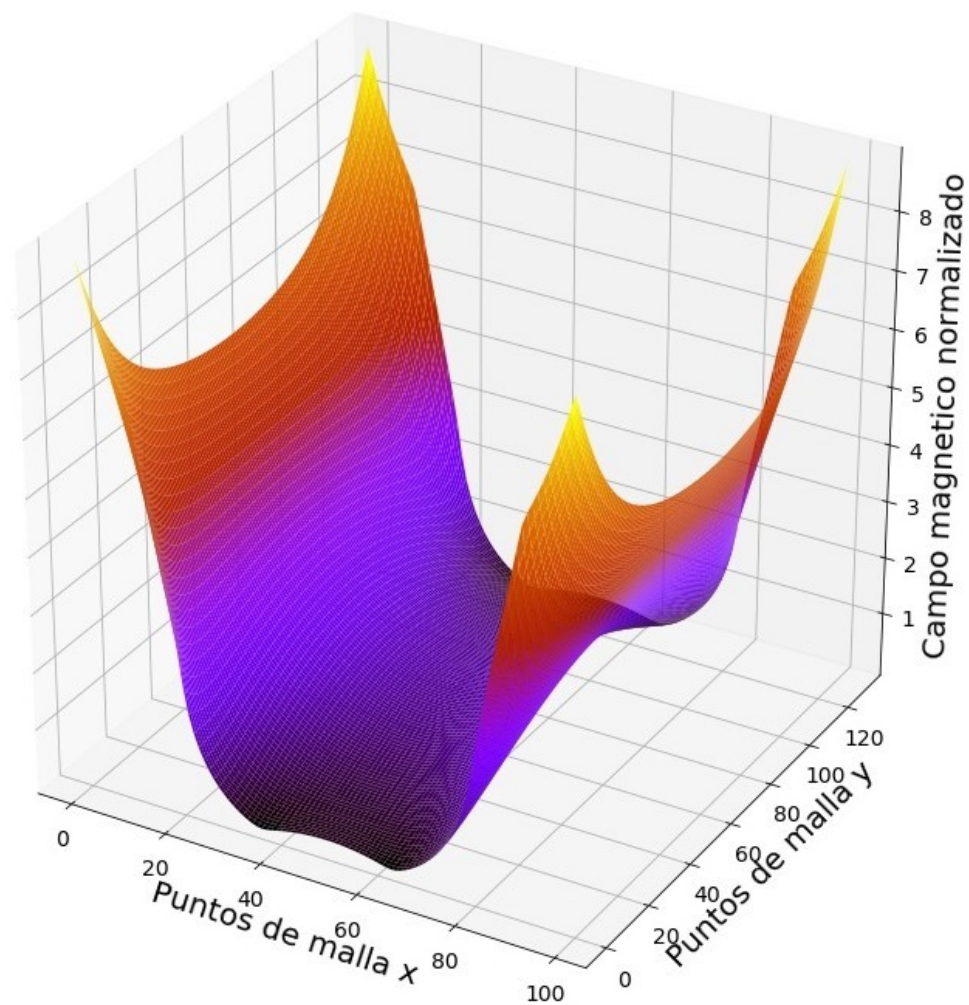
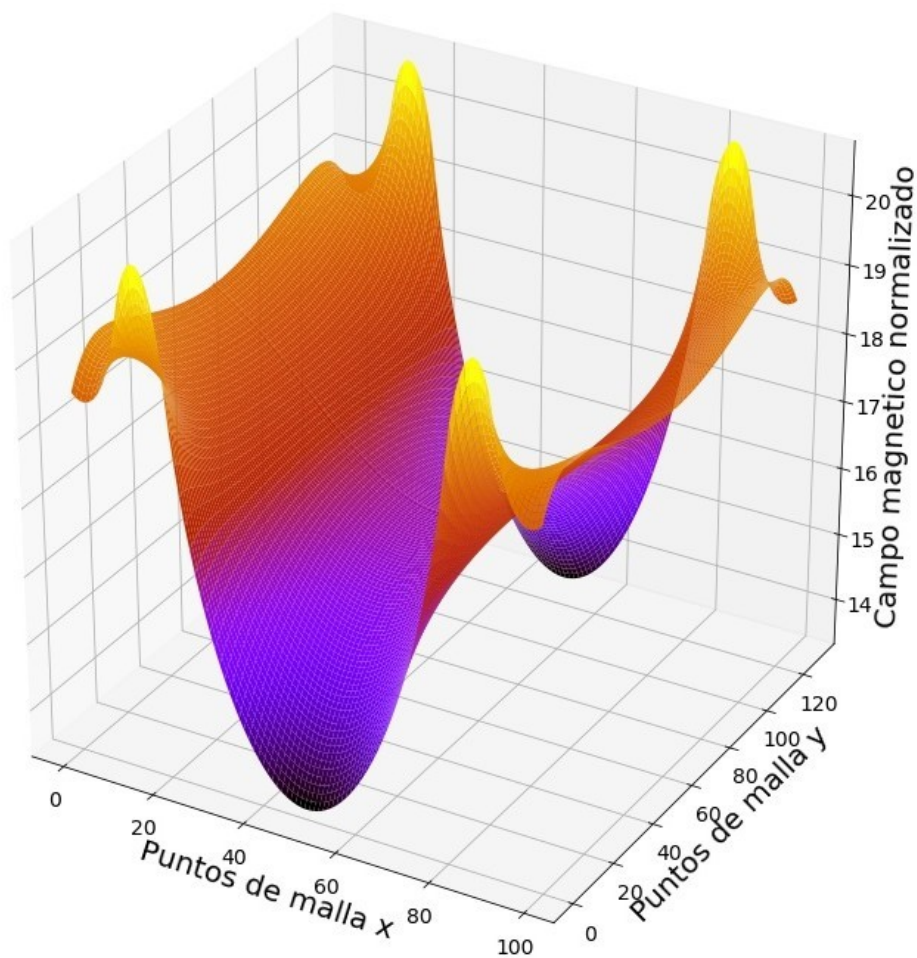


```
ordenar.sh
~/Desktop/Proyecto-final-master

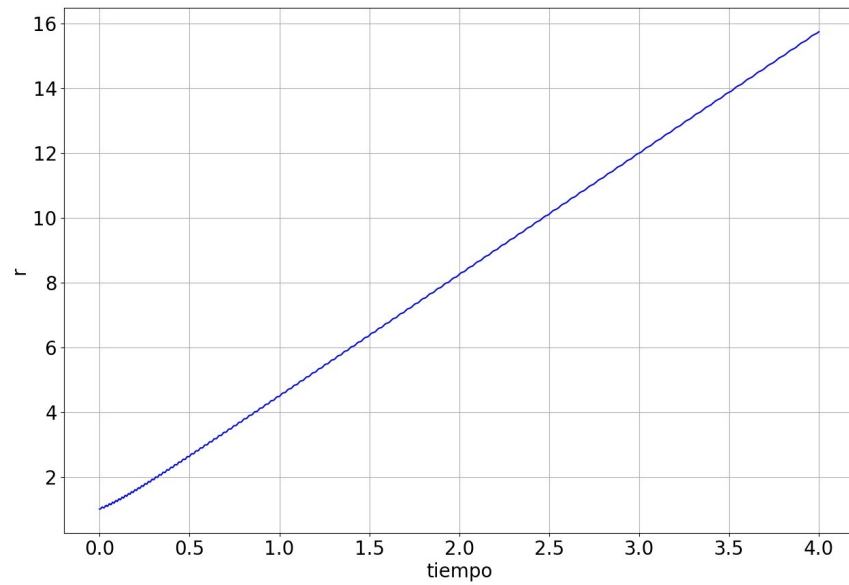
1 #!/bin/bash
2     '''ESTE BASH ME ORDENA LOS ARCHIVOS EN LA CARPTA CORRESPONDIENTE '''
3
4     for i in resul*.txt;
5     do
6         mv $i ./datos/;
7     done
8
9     for i in Posi*.txt;
10    do
11        mv $i ./electrones_diferentes_tiempo/;
12    done
13
14    for i in B_*.txt;
15    do
16        mv $i ./testing/;
17    done
18
19    mv Electron_test.txt ./testing/;
```



# Testing

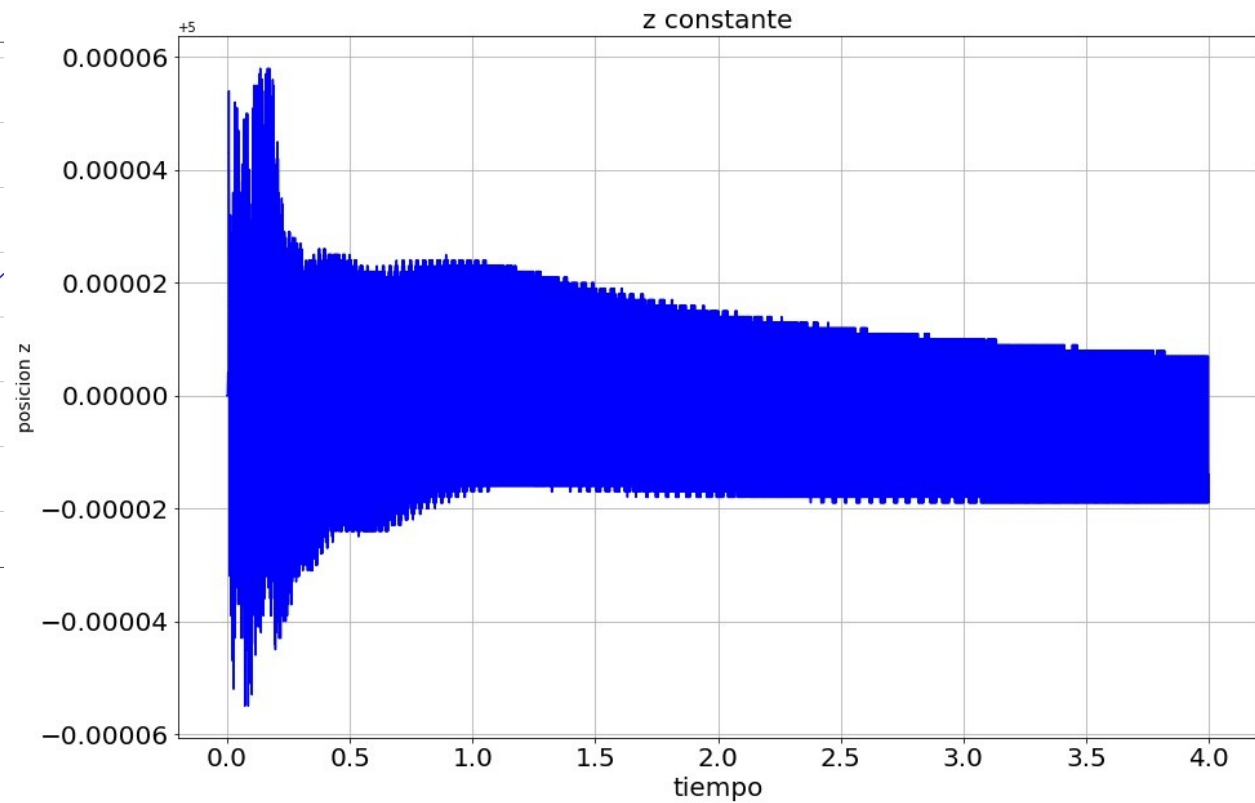
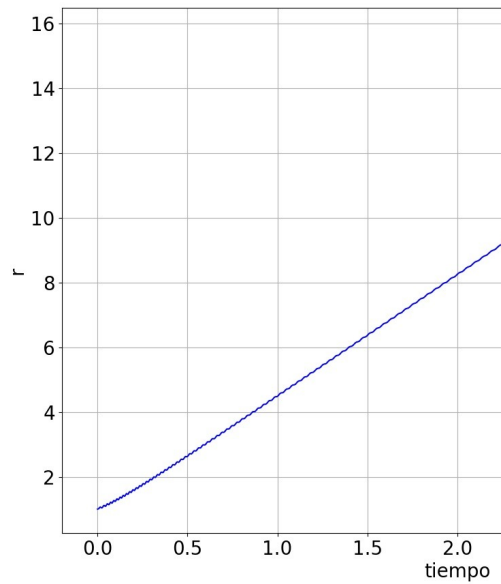


# Testing

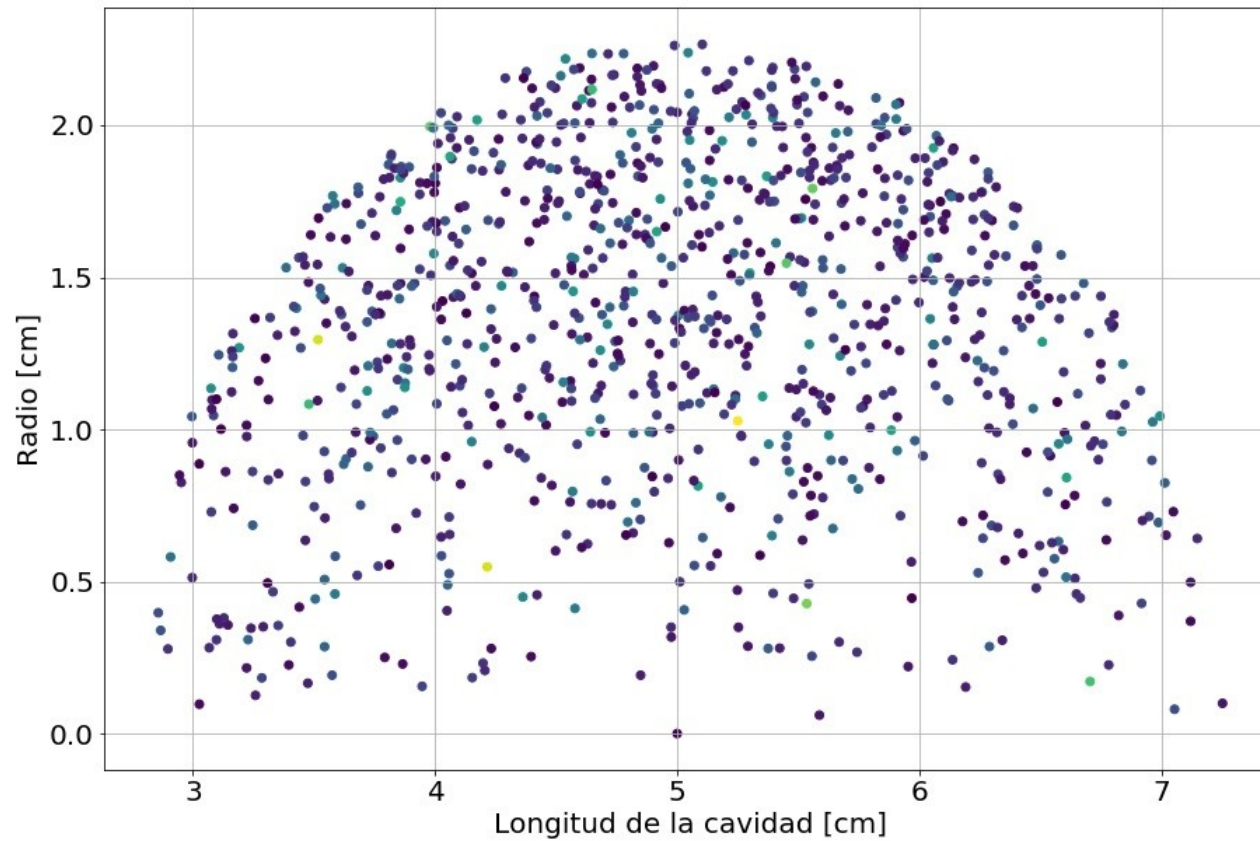




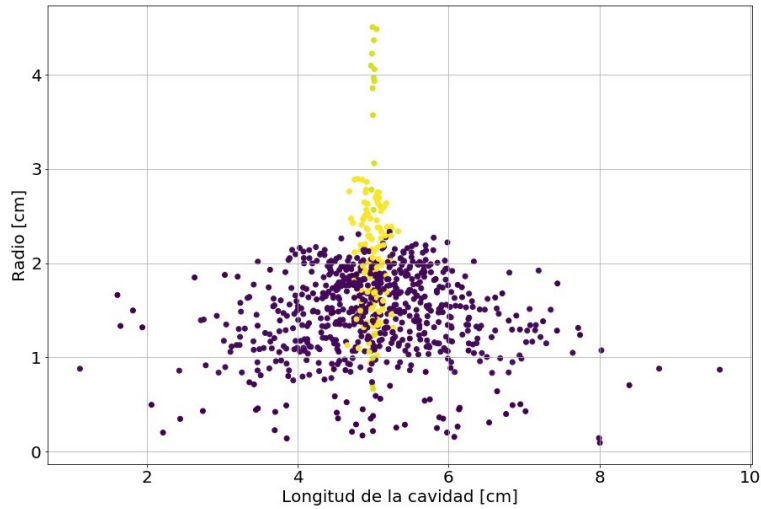
# Testing



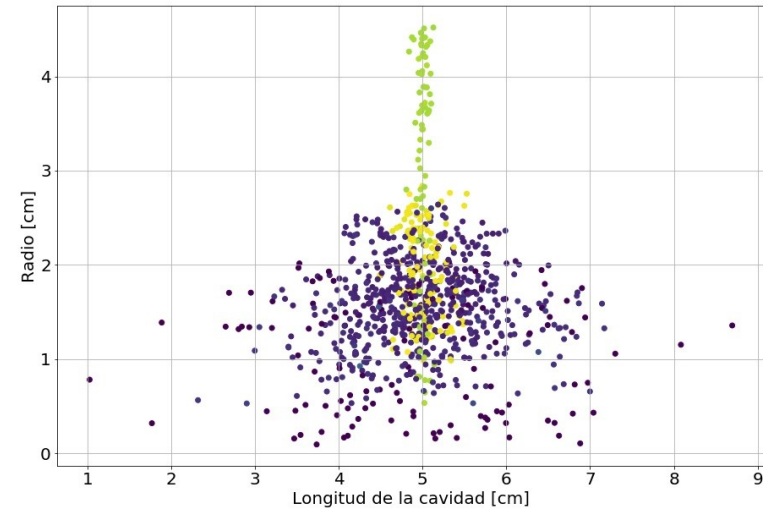
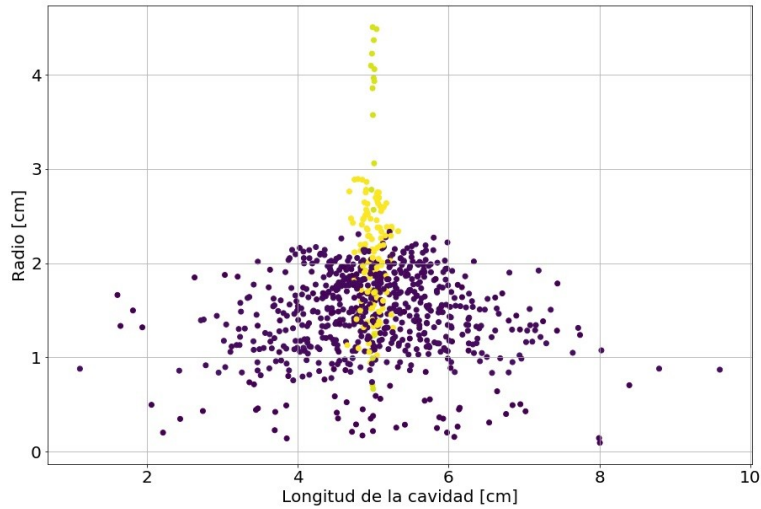
# Electrones en diferentes instantes de tiempo



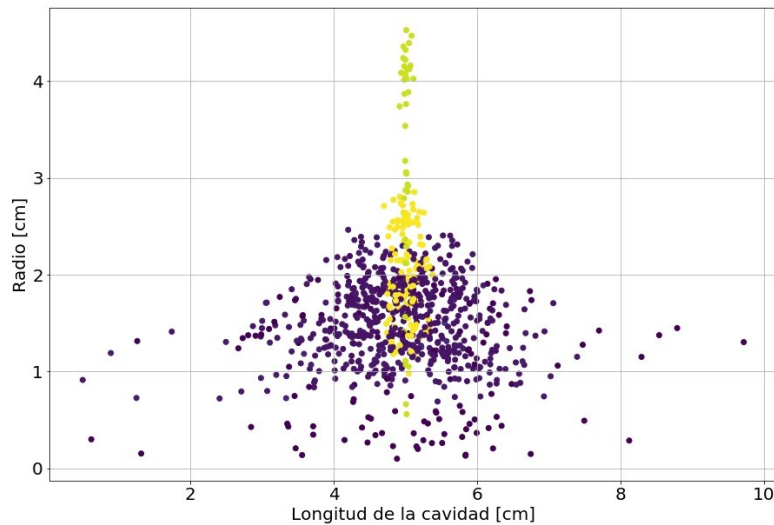
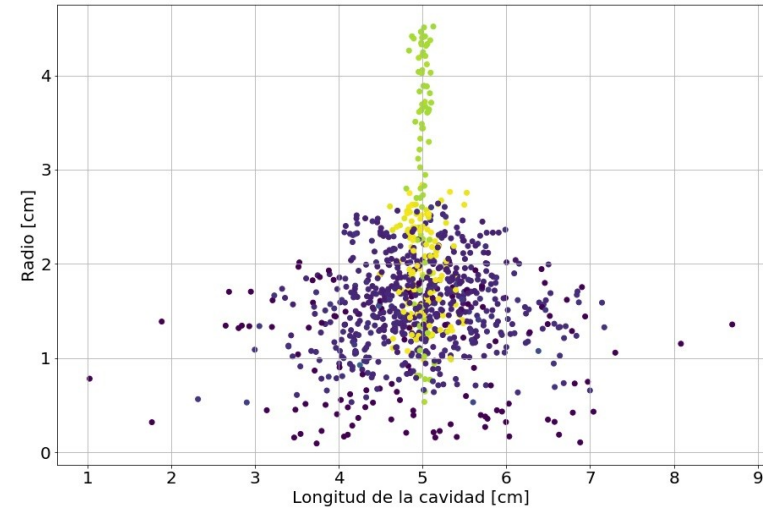
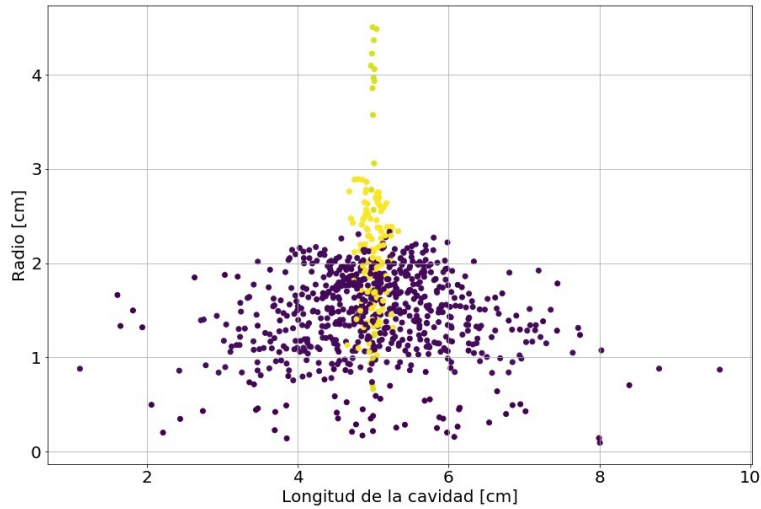
# Electrones en diferentes instantes de tiempo



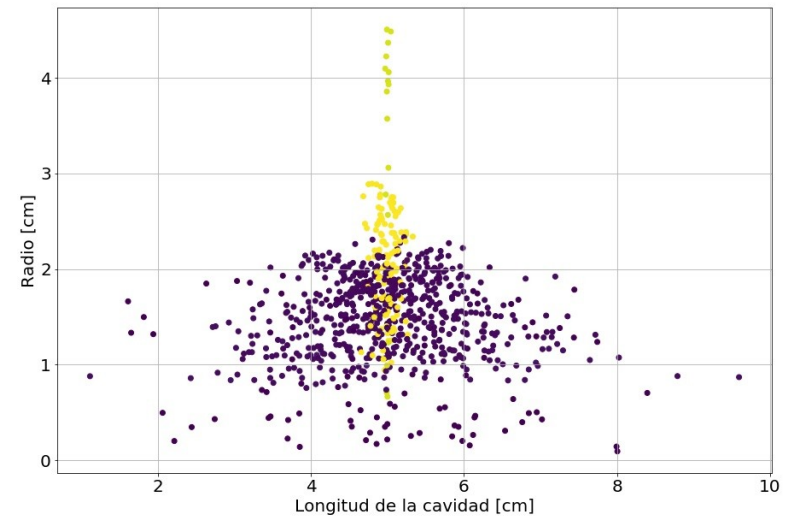
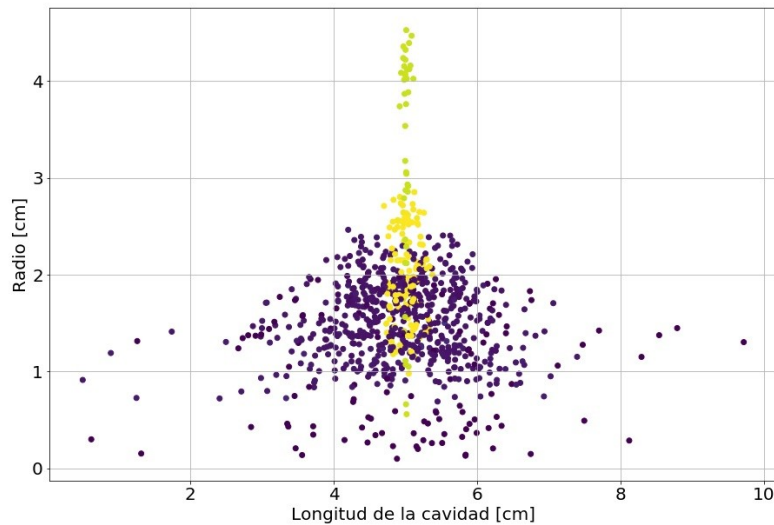
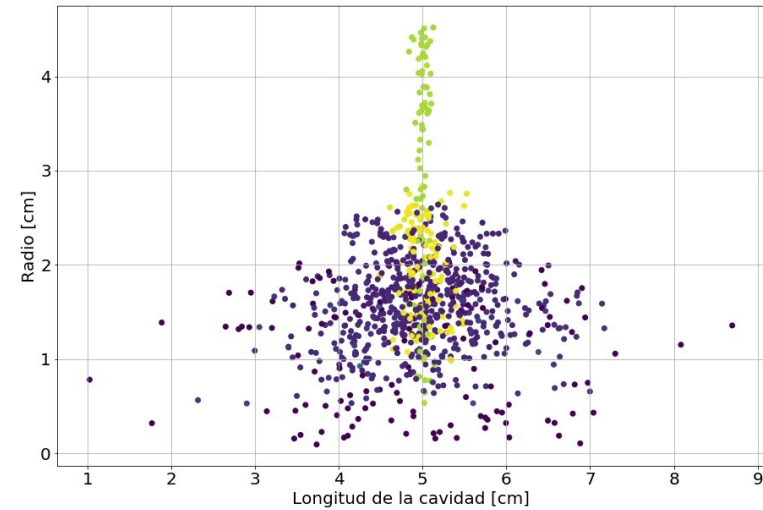
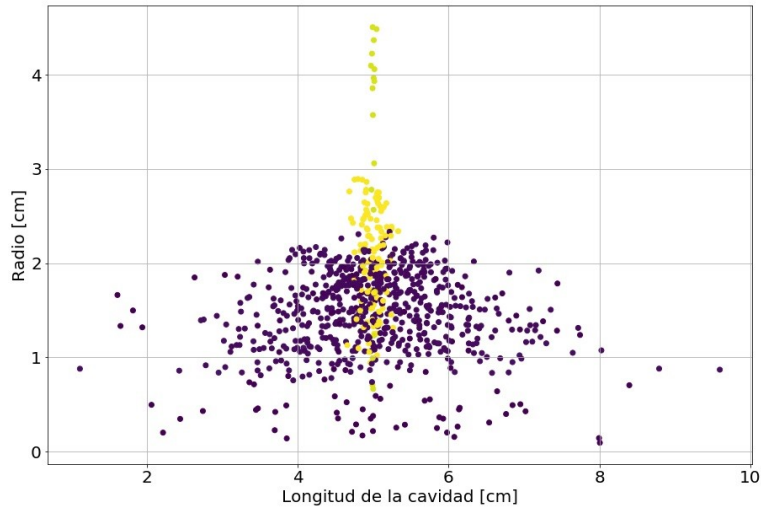
# Electrones en diferentes instantes de tiempo



# Electrones en diferentes instantes de tiempo



# Electrones en diferentes instantes de tiempo



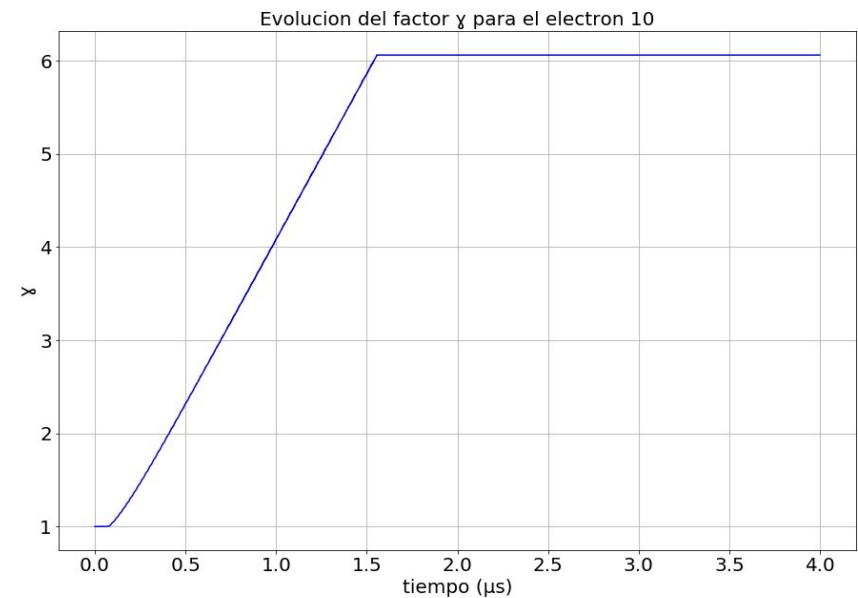
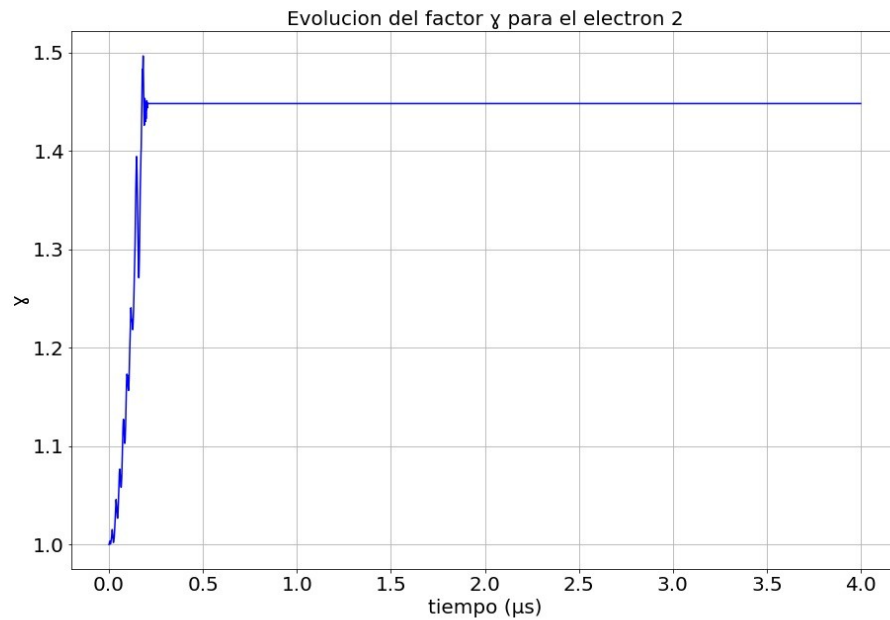


# Resultados de interés

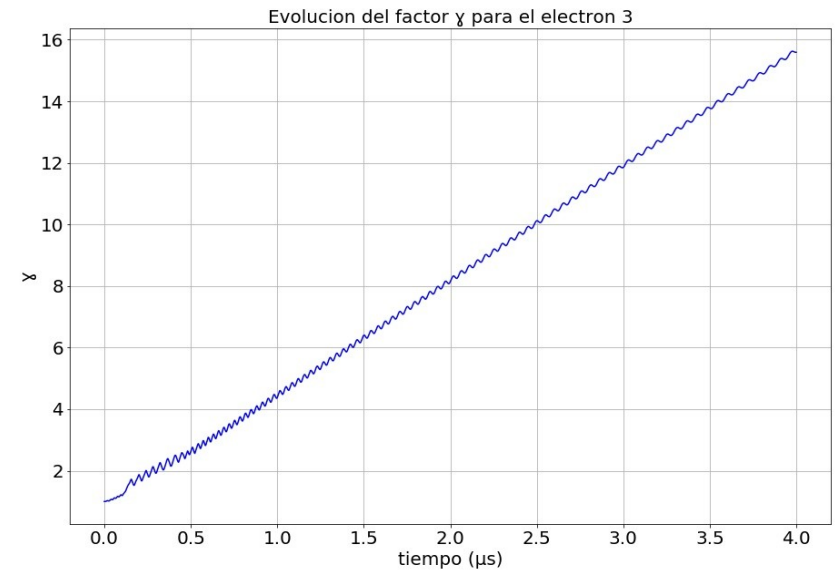
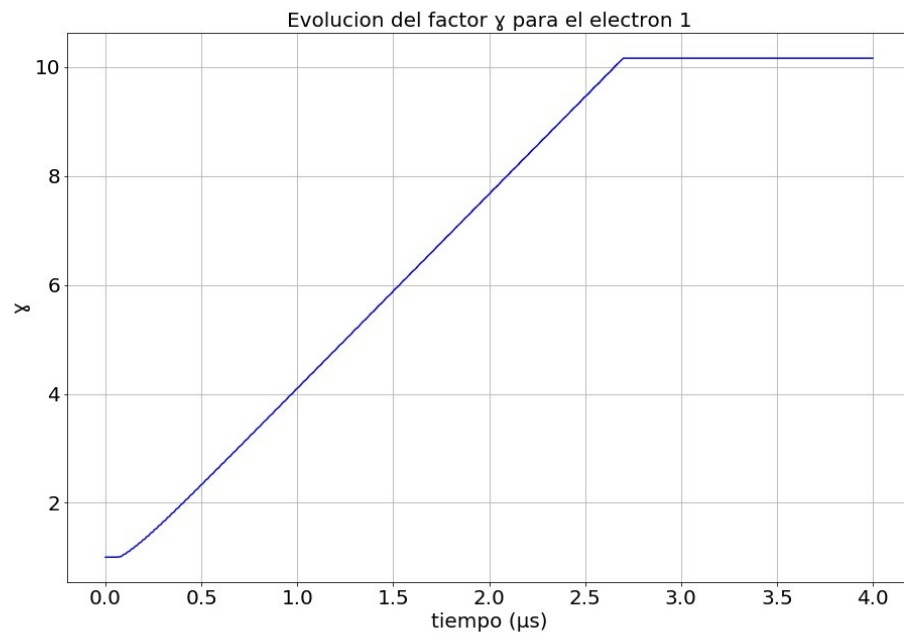
```
files = !ls *.txt
ele = ([pd.read_csv(f, sep=" ", names=['tiempo', 'Posicion x', 'Posicion y', 'Posicion z', 'gamma']) for f in files])
ele[0]
```

	tiempo	Posicion x	Posicion y	Posicion z	gamma
0	0.000000	0.724825	0.745812	5.877120	1.000005
1	0.000003	0.724842	0.745766	5.876973	1.000005
2	0.000007	0.724865	0.745720	5.876825	1.000005
3	0.000010	0.724893	0.745675	5.876678	1.000005
4	0.000014	0.724927	0.745631	5.876531	1.000005
5	0.000017	0.724967	0.745588	5.876384	1.000005
6	0.000021	0.725013	0.745547	5.876238	1.000005
7	0.000024	0.725065	0.745507	5.876091	1.000005
8	0.000028	0.725122	0.745470	5.875945	1.000005
9	0.000031	0.725184	0.745434	5.875799	1.000006
10	0.000034	0.725252	0.745401	5.875653	1.000006
11	0.000038	0.725325	0.745371	5.875508	1.000006
12	0.000041	0.725404	0.745344	5.875363	1.000006
13	0.000045	0.725488	0.745320	5.875218	1.000006
14	0.000048	0.725577	0.745299	5.875073	1.000006
15	0.000052	0.725670	0.745282	5.874929	1.000006
16	0.000055	0.725769	0.745269	5.874785	1.000006
17	0.000058	0.725872	0.745260	5.874641	1.000007

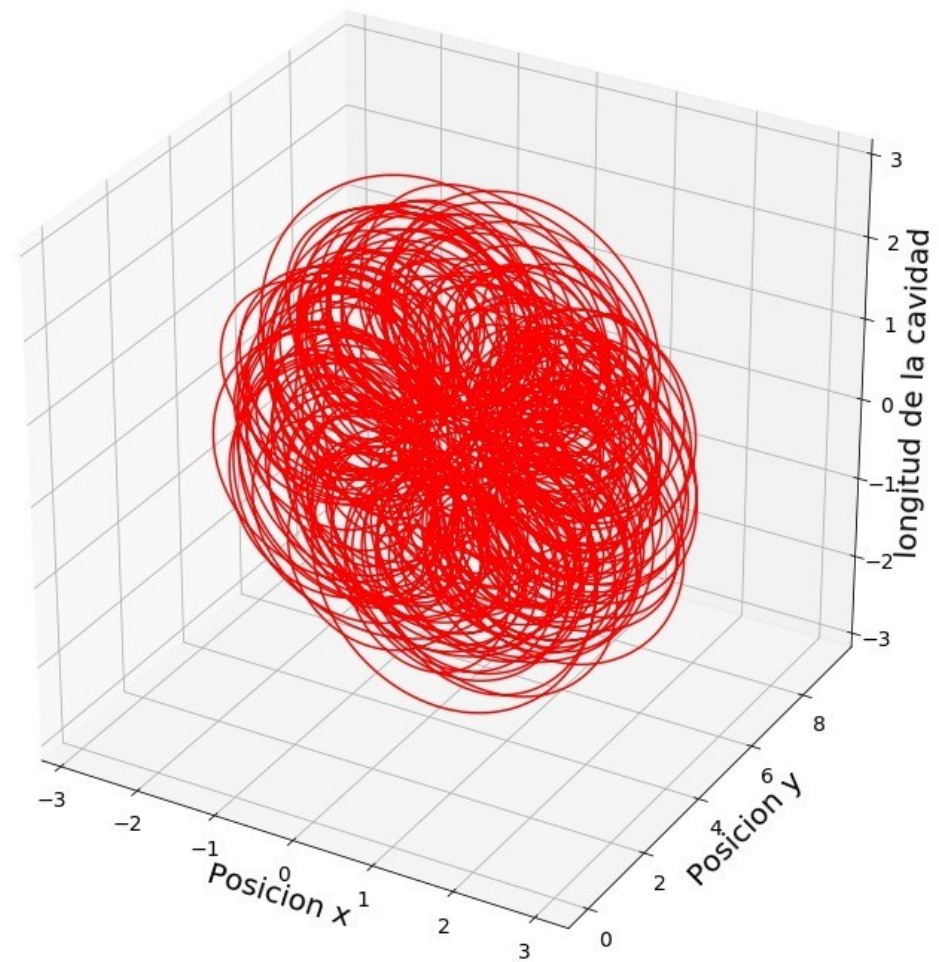
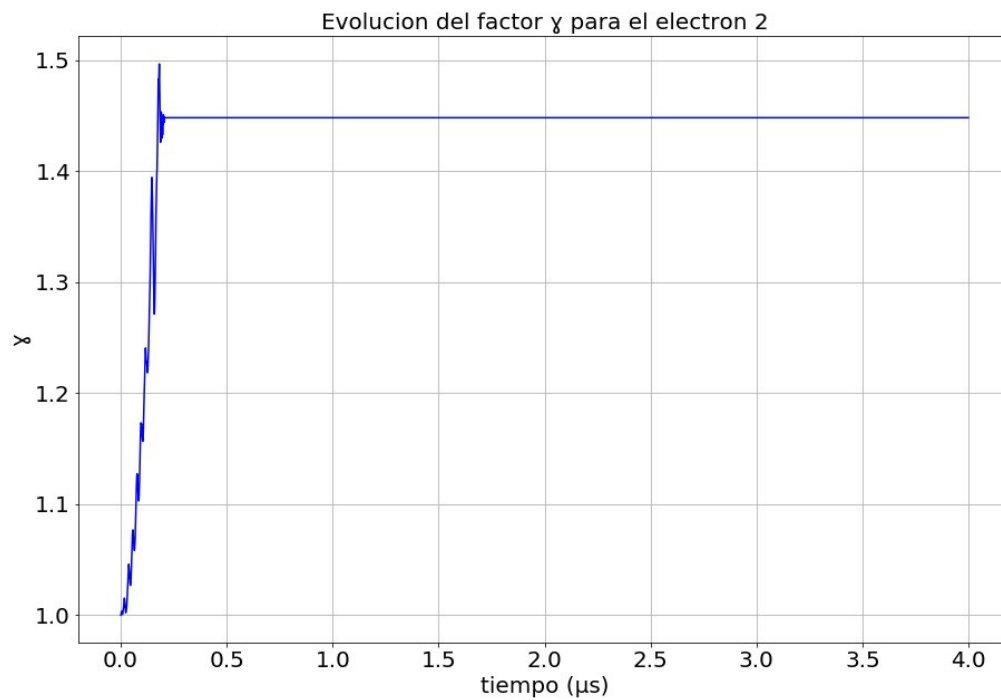
# Resultados de interés



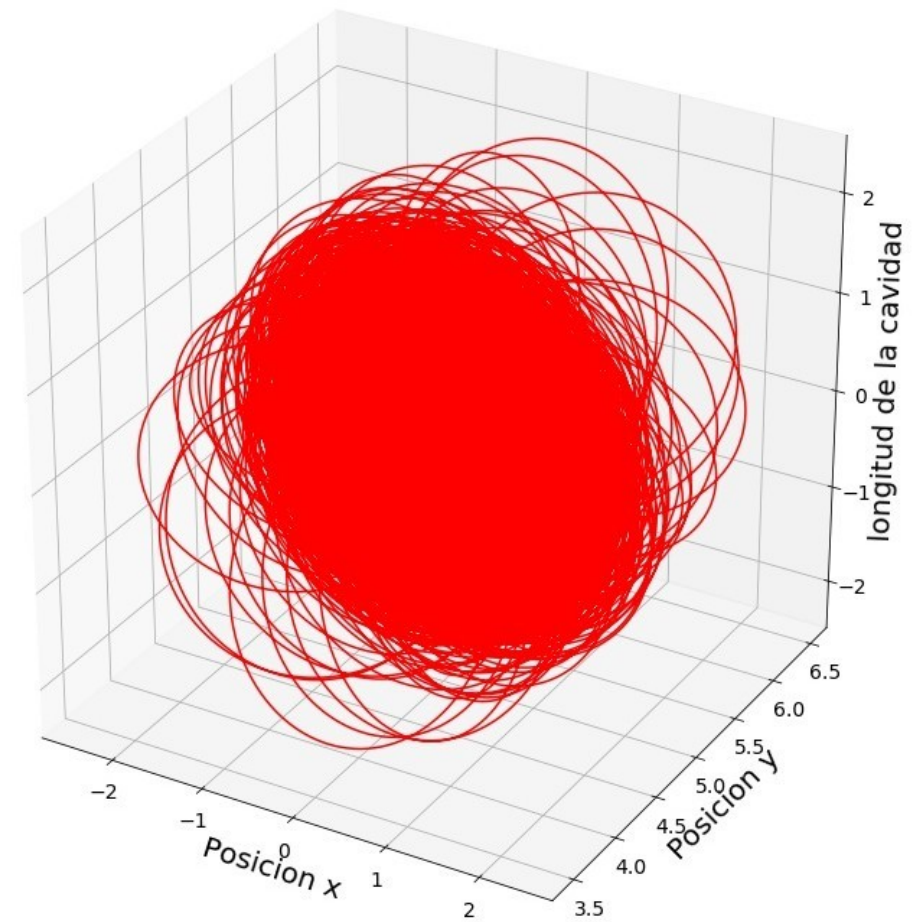
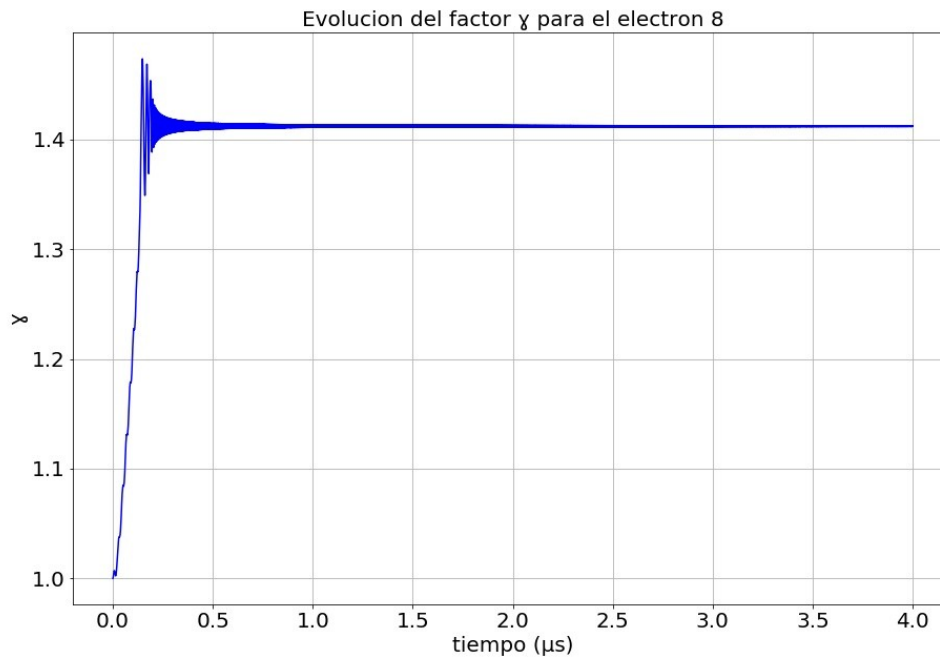
# Resultados de interés



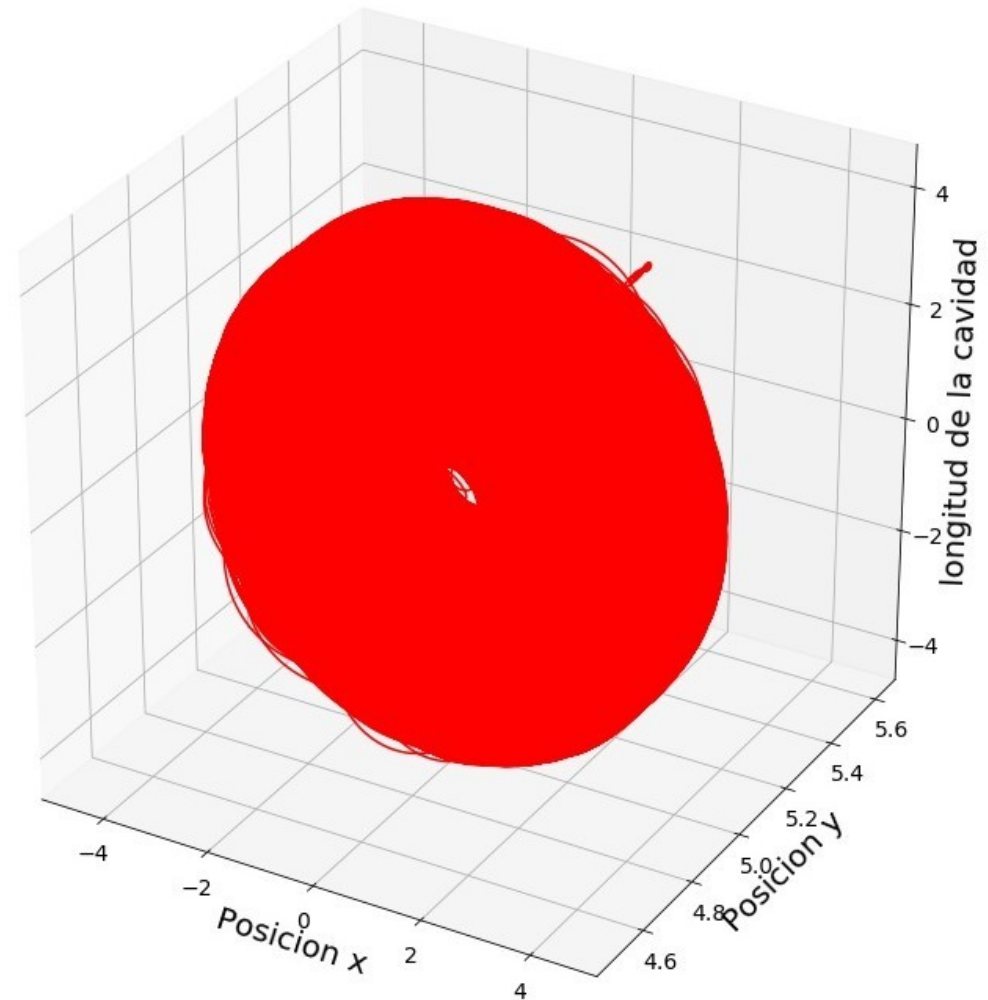
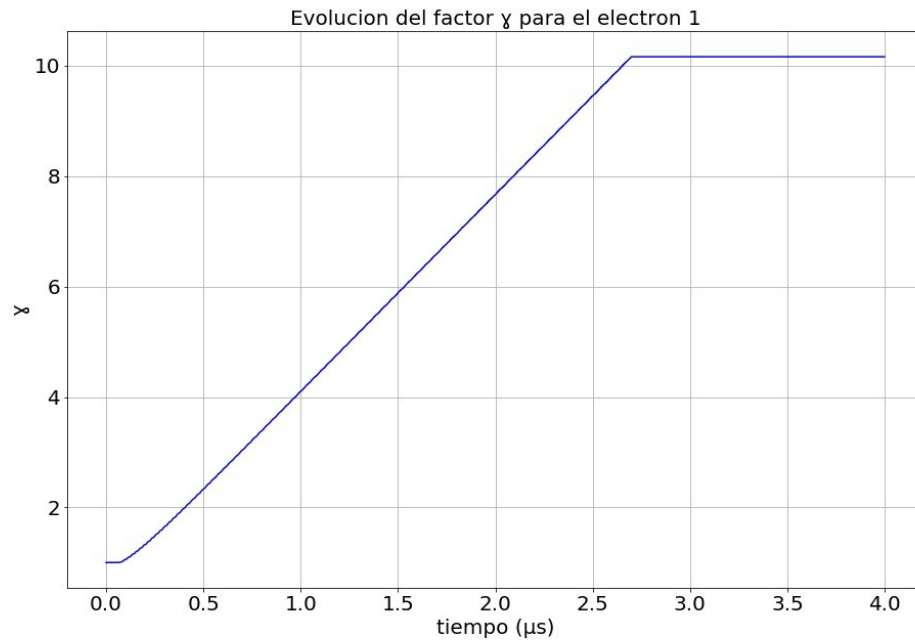
# Resultados de interés



# Resultados de interés



# Resultados de interés





# Resultados de interés

