

Untitled

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In [14]: import numpy as np
import matplotlib.pyplot as plt

data = np.genfromtxt('Spikes.gdf')

select1 = np.array([d for d in data if (d[1] < 50 and d[0] >= 1000)])
data1 = select1.transpose()

select2 = np.array([d for d in data if d[0] >= 1000])
data2 = select2.transpose()

plt.title("Spikes of 50 randomly chosen neurons")
#plots
plt.scatter(data1[0],data1[1],alpha=0.8, edgecolors = 'none');
plt.xlabel('t(ms)')
plt.show();

#histogramme
n, bins, patches = plt.hist(data2[0], 2000, normed=0, alpha=0.75)
plt.xlabel('t(ms)')
plt.ylim(0,200)
plt.show();
```

