

Import the python modules to read an ASCII file and plot the data.

```
In [44]: import numpy as np
import matplotlib.pyplot as plt

import matplotlib as mpl
mpl.rcParams['axes.titlesize'] = 22
mpl.rcParams['axes.labelsize'] = 22
mpl.rcParams['lines.linewidth'] = 1
mpl.rcParams['lines.markersize'] = 10
mpl.rcParams['xtick.labelsize'] = 22
mpl.rcParams['ytick.labelsize'] = 22
mpl.rcParams['legend.fontsize'] = 24
mpl.rcParams['axes.titlepad'] = 10
mpl.rcParams['axes.labelpad'] = 14
```

Let us read the ASCII file, avoiding the first row.

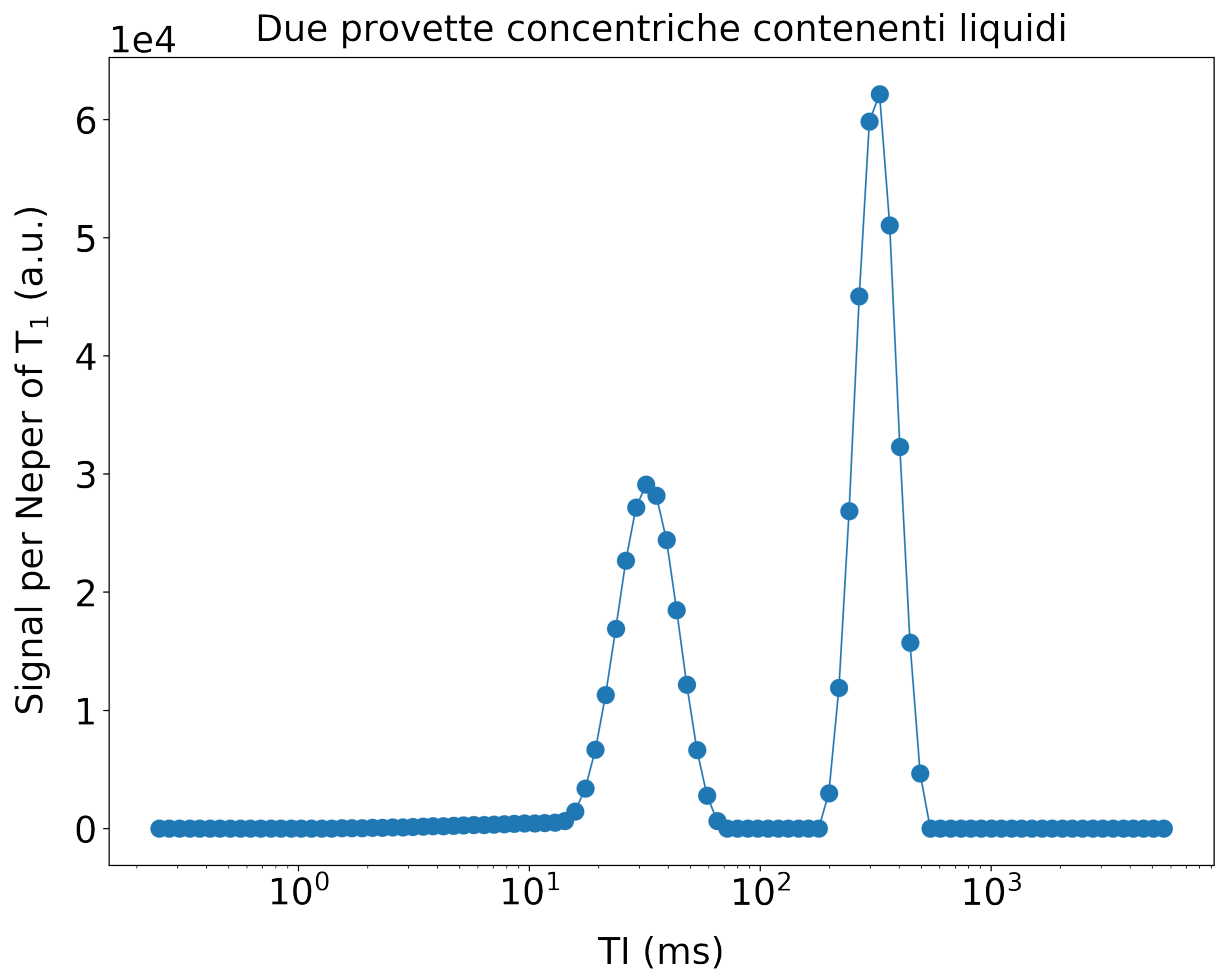
```
In [45]: data = np.genfromtxt("irA.dat", delimiter=",", skip_header=1, usecols=(
```

To plot the data we need the X and Y coordinates array:

```
In [46]: x = data[:,0]
y = data[:,1]
```

Now we can use the pyplot modules to start plotting

```
In [47]: plt.subplots(1,1,figsize=(12, 9), dpi=300)
plt.title("Due provette concentriche contenenti liquidi")
plt.plot(x,y,marker="o")
plt.ylabel("Signal per Neper of T1 (a.u.)")
plt.xlabel("TI (ms)")
plt.xscale("log")
plt.ticklabel_format(axis='y', style='sci',scilimits=(0,3))
plt.show()
```



```
In [ ]:
```