

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

```
In [1]: 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'] = 3
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.

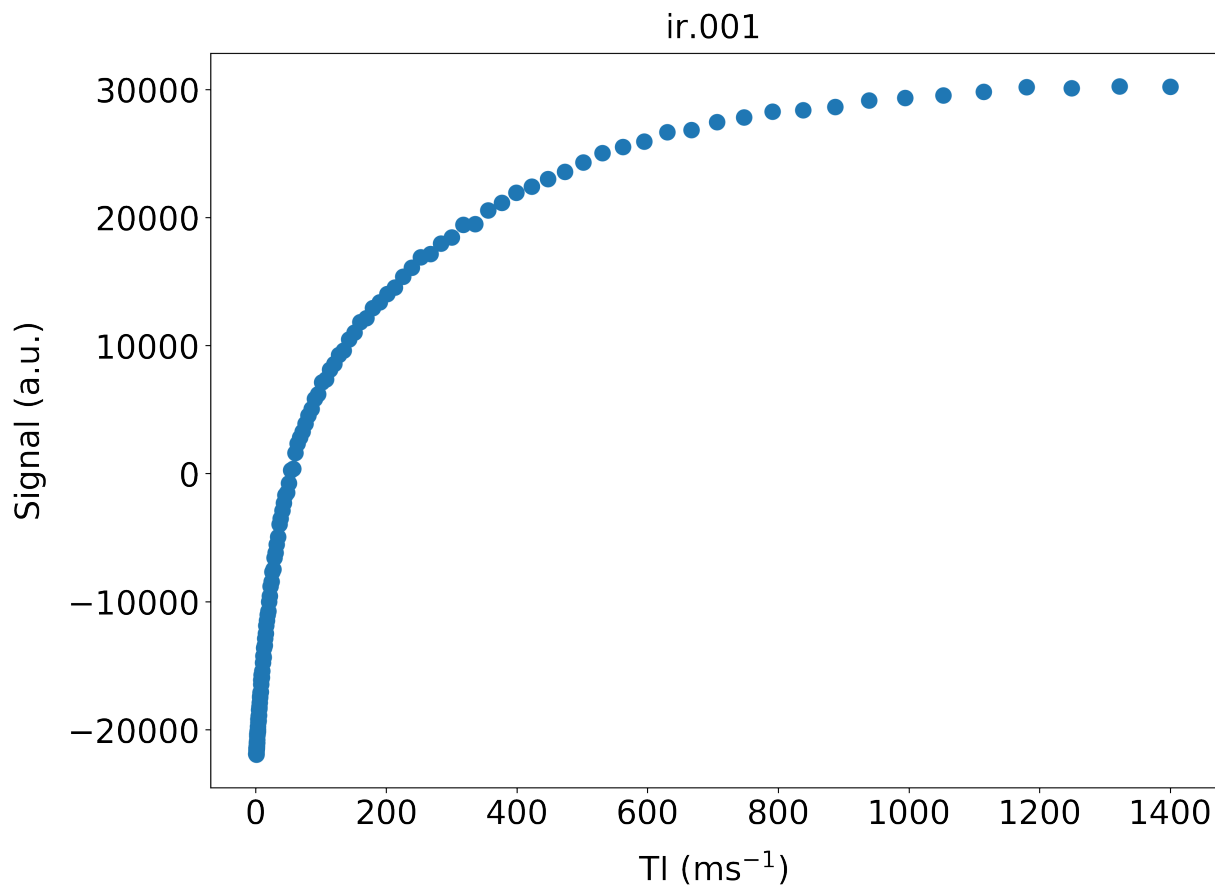
```
In [3]: data = np.loadtxt("ir.001", skiprows=1)
```

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

```
In [4]: x = data[:,0]
y = data[:,1]
```

Now we can use the pyplot modules to start plotting

```
In [8]: plt.subplots(1,1,figsize=(12, 9), dpi=300)
plt.title("ir.001")
plt.plot(x,y,marker="o",linestyle = 'None')
plt.ylabel("Signal (a.u.)")
plt.xlabel("TI (ms-1)")
plt.show()
```



```
In [ ]:
```