```python
# plotting_filtered_Franck.py

import matplotlib.pyplot as plt

def plot_data_with_uncertainty(file_path):
    x_data = []
    y_data = []
    x_uncertainty = []
    y_uncertainty = []

    # Read data from the file
    with open(file_path, 'r') as file:
        for line in file:
            parts = line.strip().split()
            x_data.append(float(parts[0]))
            y_data.append(float(parts[1]))
            x_uncertainty.append(float(parts[2]))
            y_uncertainty.append(float(parts[3]))

    # Plot the data points with error bars
    plt.errorbar(x_data, y_data, xerr=x_uncertainty, yerr=y_uncertainty, fmt='o', capsize=5, color='black', ecolor='lightgreen')
    plt.xlabel('Accelerating Voltage (V)')
    plt.ylabel('Electron Current (A)')
    plt.title('Franck-Hertz Data of Electron Current vs Accelerating Voltage')
    plt.grid(True)
    plt.show()

# Example usage:
file_path = "filtered_data_final10.txt"  # Replace this with the actual file path
plot_data_with_uncertainty(file_path)

```