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```
import numpy as np
 In [4]:
          import matplotlib.pyplot as plt
          import pandas as pd
          import os
          from time import sleep
          path ="./Lidar_Data/2021/"
In [42]:
          filelist = []
          for root, dirs, files in os.walk(path):
              for file in files:
                   if(file.endswith(".csv")):
                       filelist.append(os.path.join(root,file))
In [47]:
          len(filelist)
          575
Out[47]:
          plt.figure(figsize=(12,6))
In [48]:
          for filename in filelist:
               df = pd.read_csv(filename)
               plt.plot(df['time'],df['photon_counts'],label=filename)
          plt.xlabel("Time")
          plt.ylabel("Photon Counts")
          plt.title("MCS Data 2021, 575 files")
          plt.show()
          #plt.legend()
                                                  MCS Data 2021, 575 files
            20000
            15000
          Photon Counts
            10000
             5000
                  0.00000
                                  0.00005
                                                  0.00010
                                                                  0.00015
                                                                                 0.00020
                                                                                                 0.00025
                                                          Time
 In [ ]:
 In [ ]:
          df['photon_counts']
 In [ ]:
```

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