

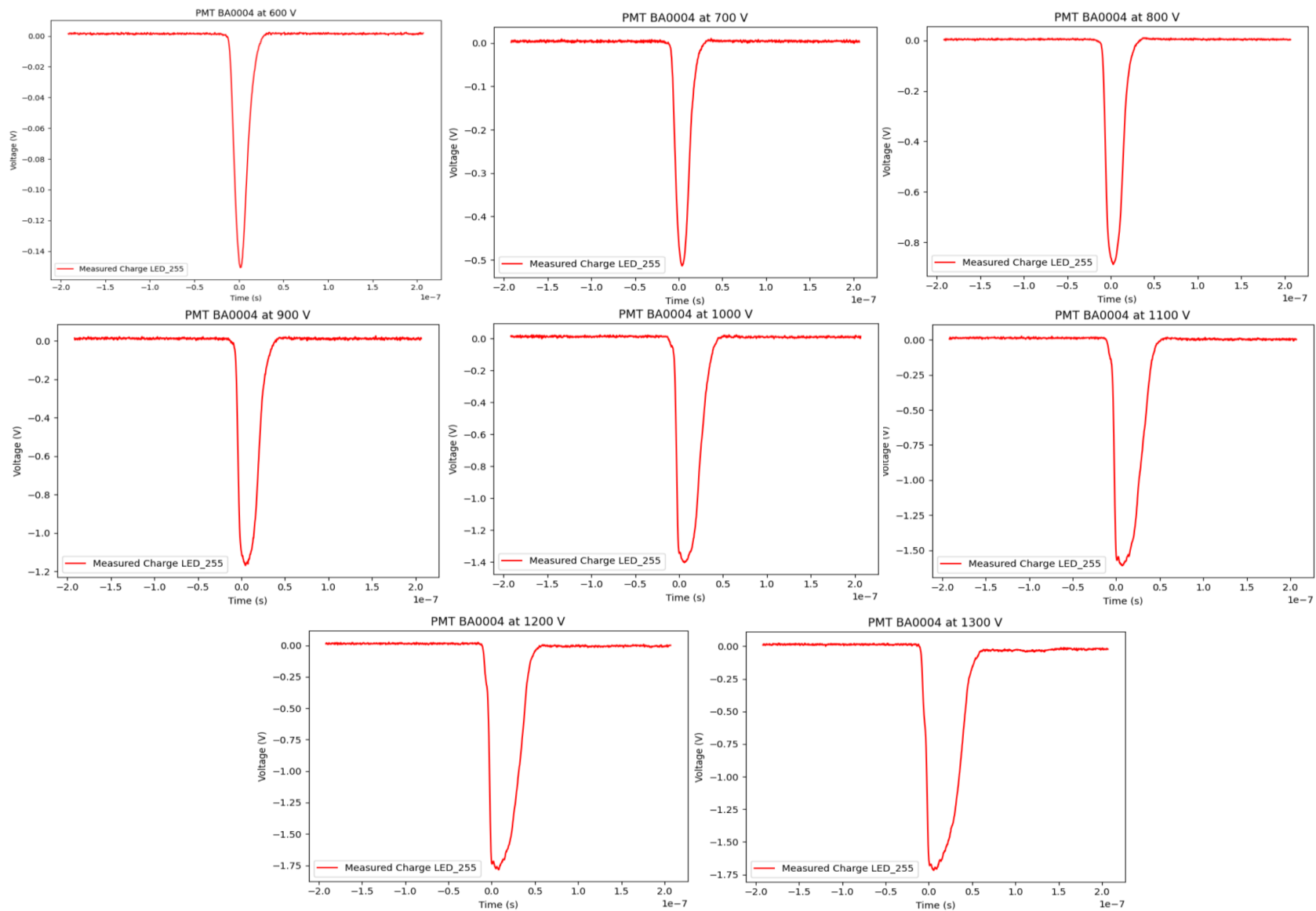


PMT Calibration: Initial Measurements

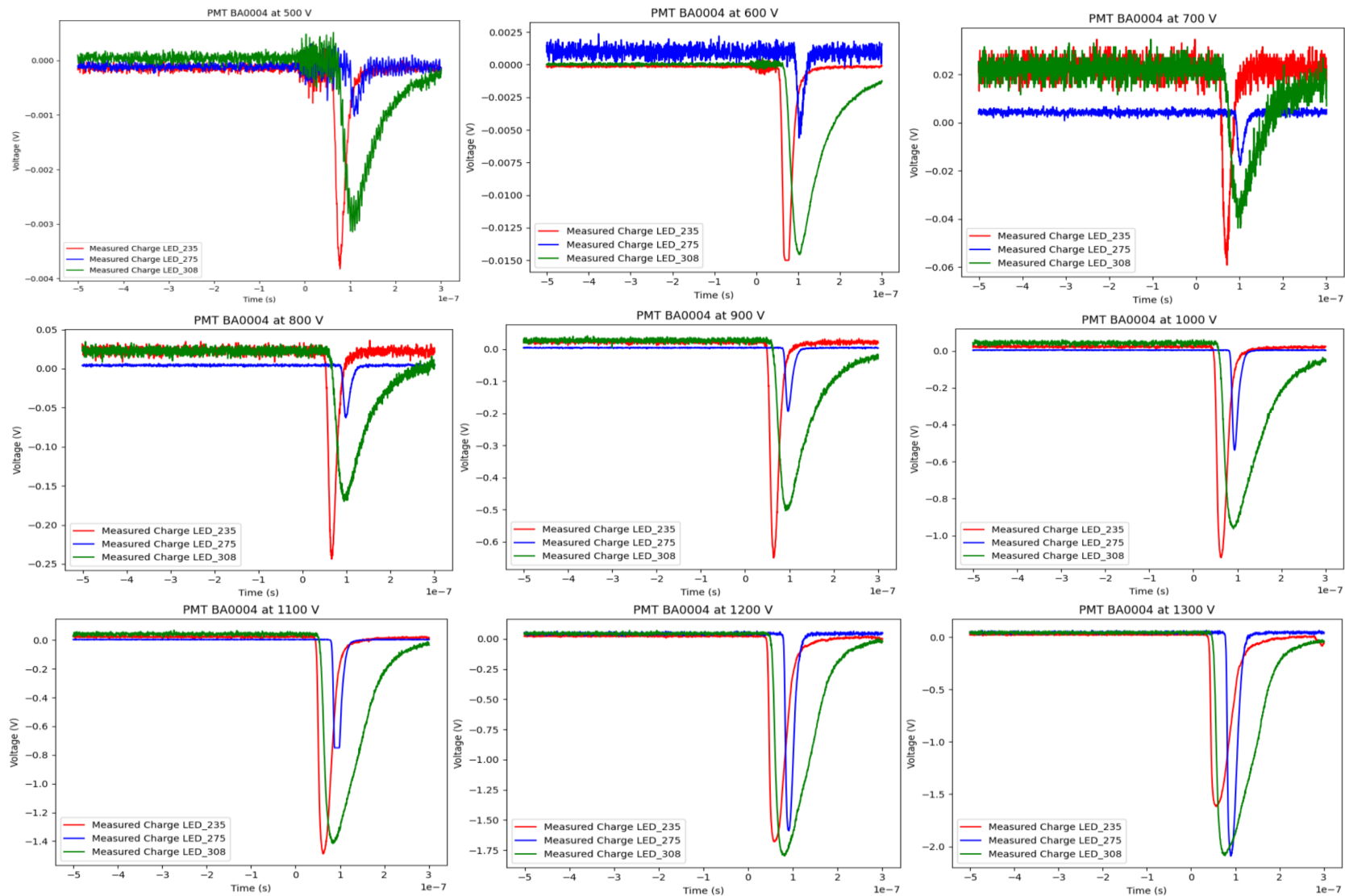
Testing conditions

- | | | |
|---|---|--|
| <ul style="list-style-type: none">• LED A: 25V<ul style="list-style-type: none">• Pulse frequency: 1kHz• High level: 5 V• Low level: 0 V• Pulse width: 20ns | <ul style="list-style-type: none">• LED C: 32V<ul style="list-style-type: none">• Pulse frequency: 1kHz• High level: 5 V• Low level: 0 V• Pulse width: 50ns | <ul style="list-style-type: none">• LED D: 8V<ul style="list-style-type: none">• Pulse frequency: 1kHz• High level: 5 V• Low level: 0 V• Pulse width: 20ns |
|---|---|--|

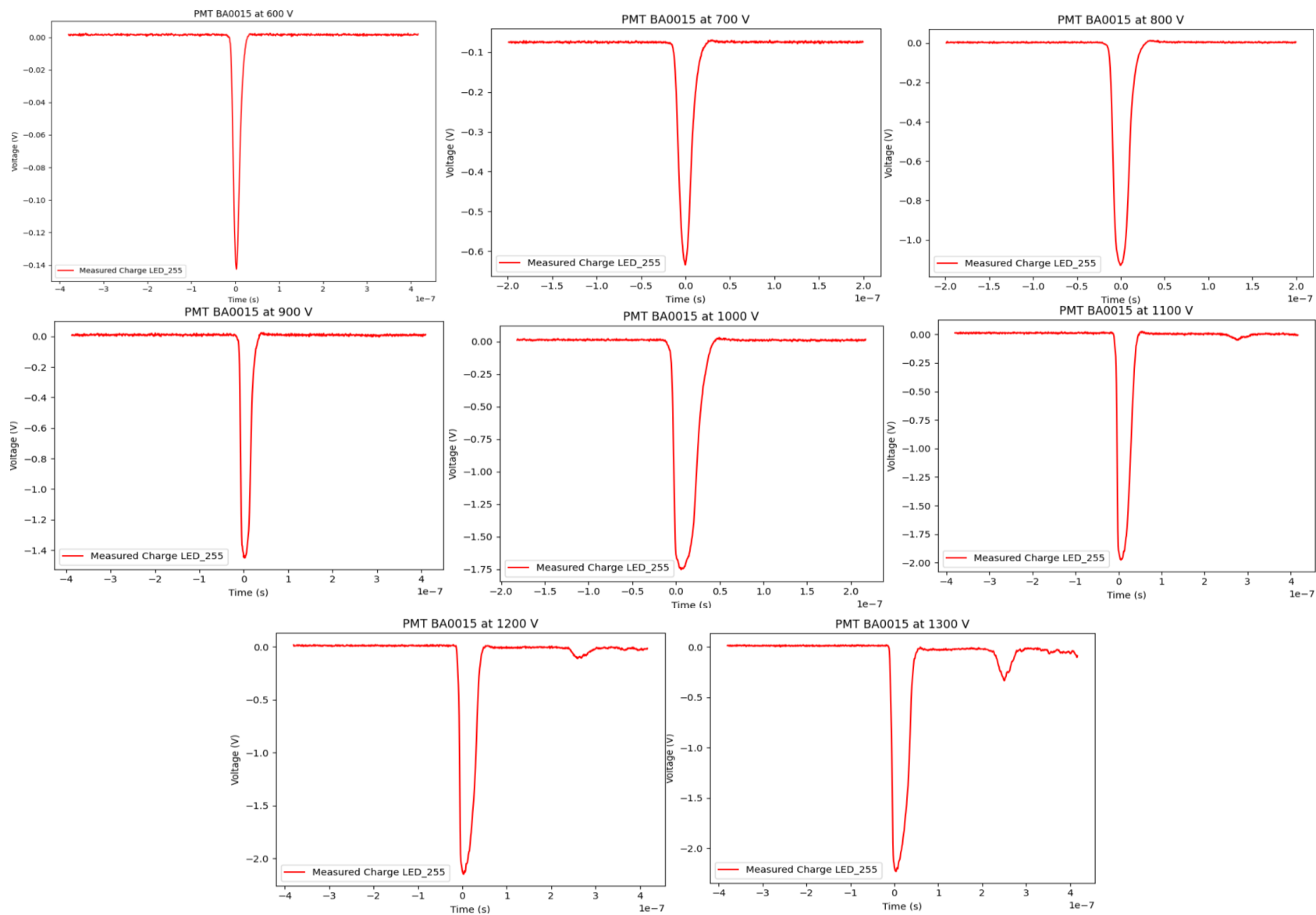
PMT BA0004 (First LED board)



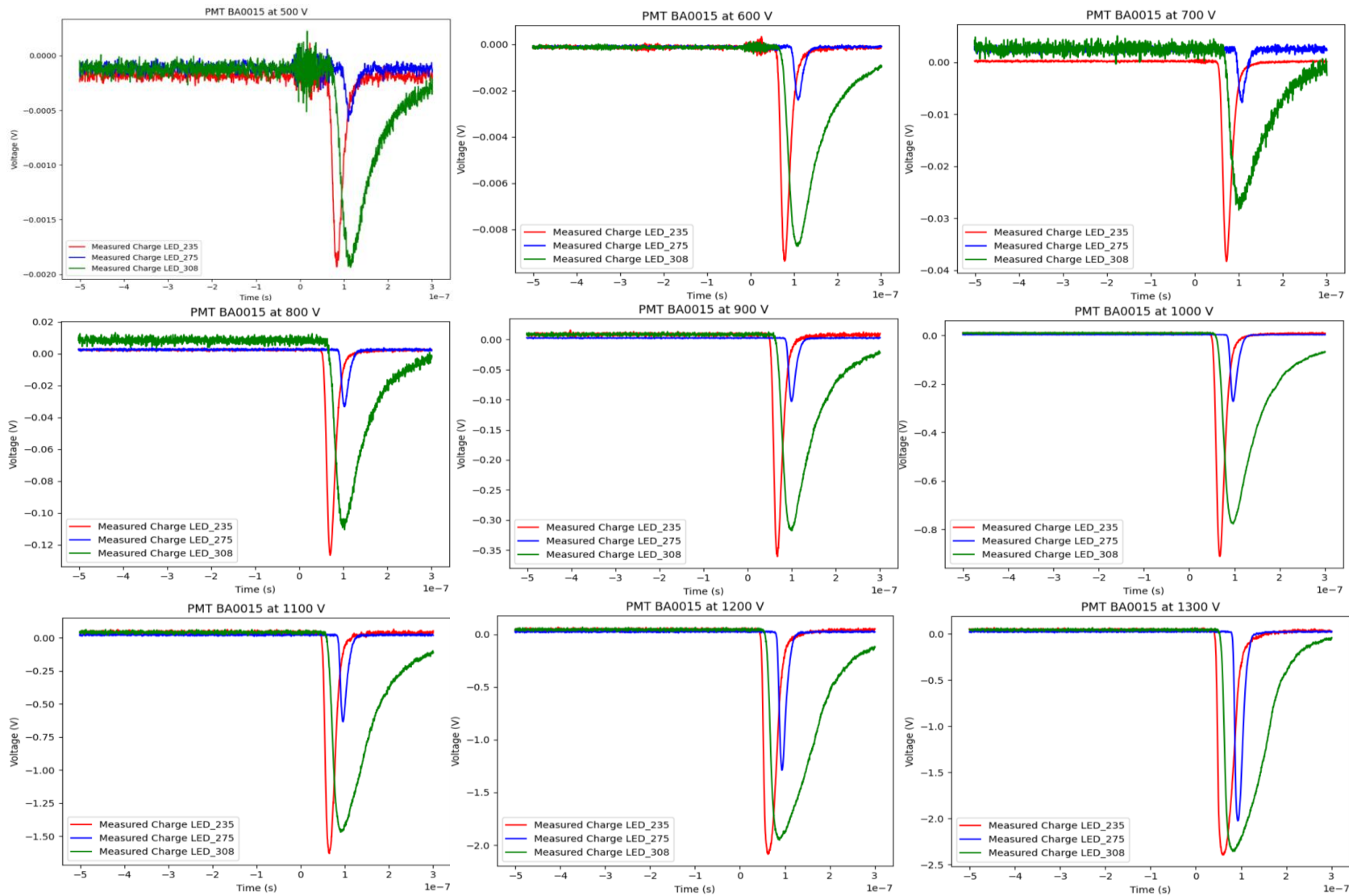
PMT BA0004 (New LED board)



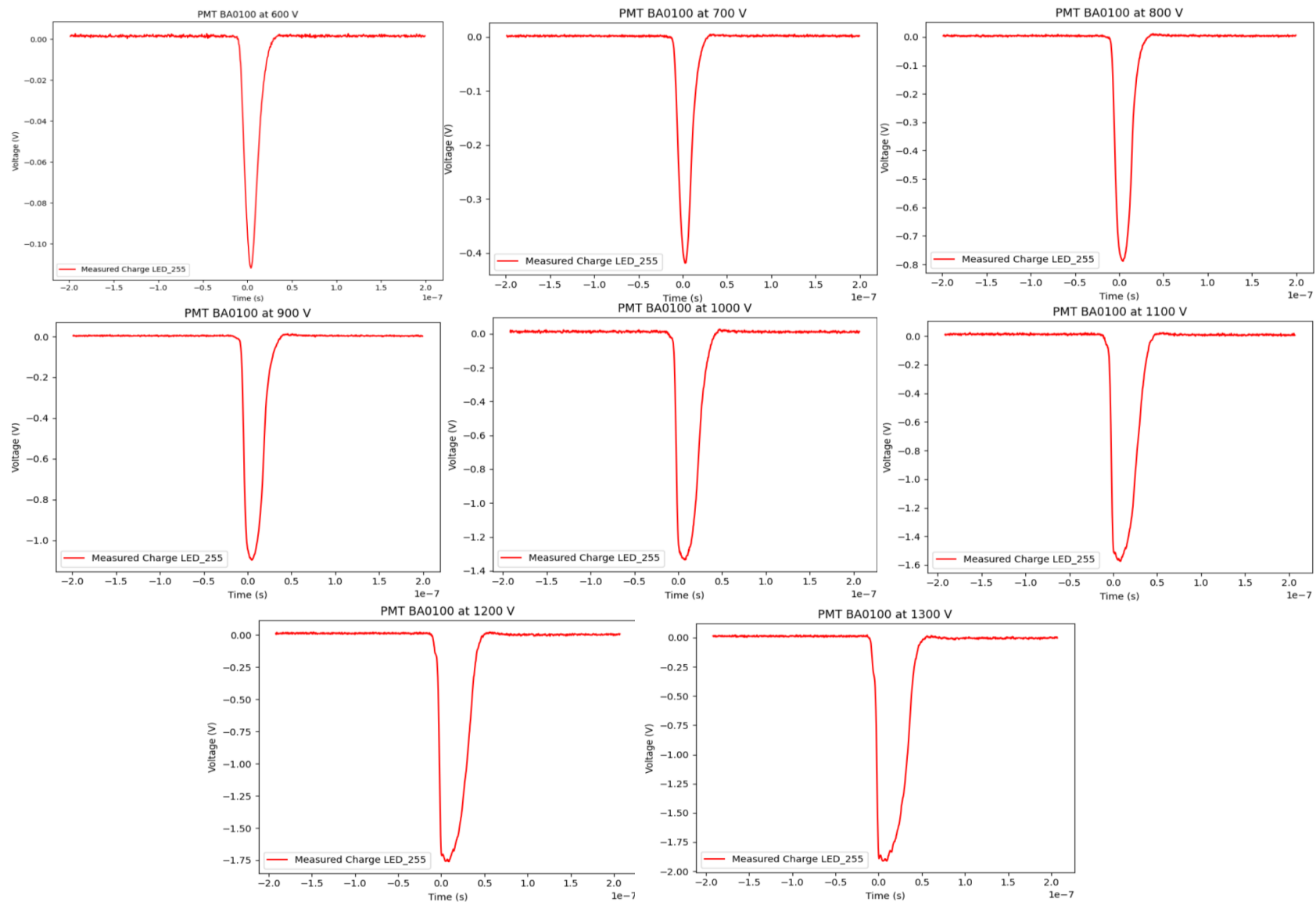
PMT BA0015 (First LED board)



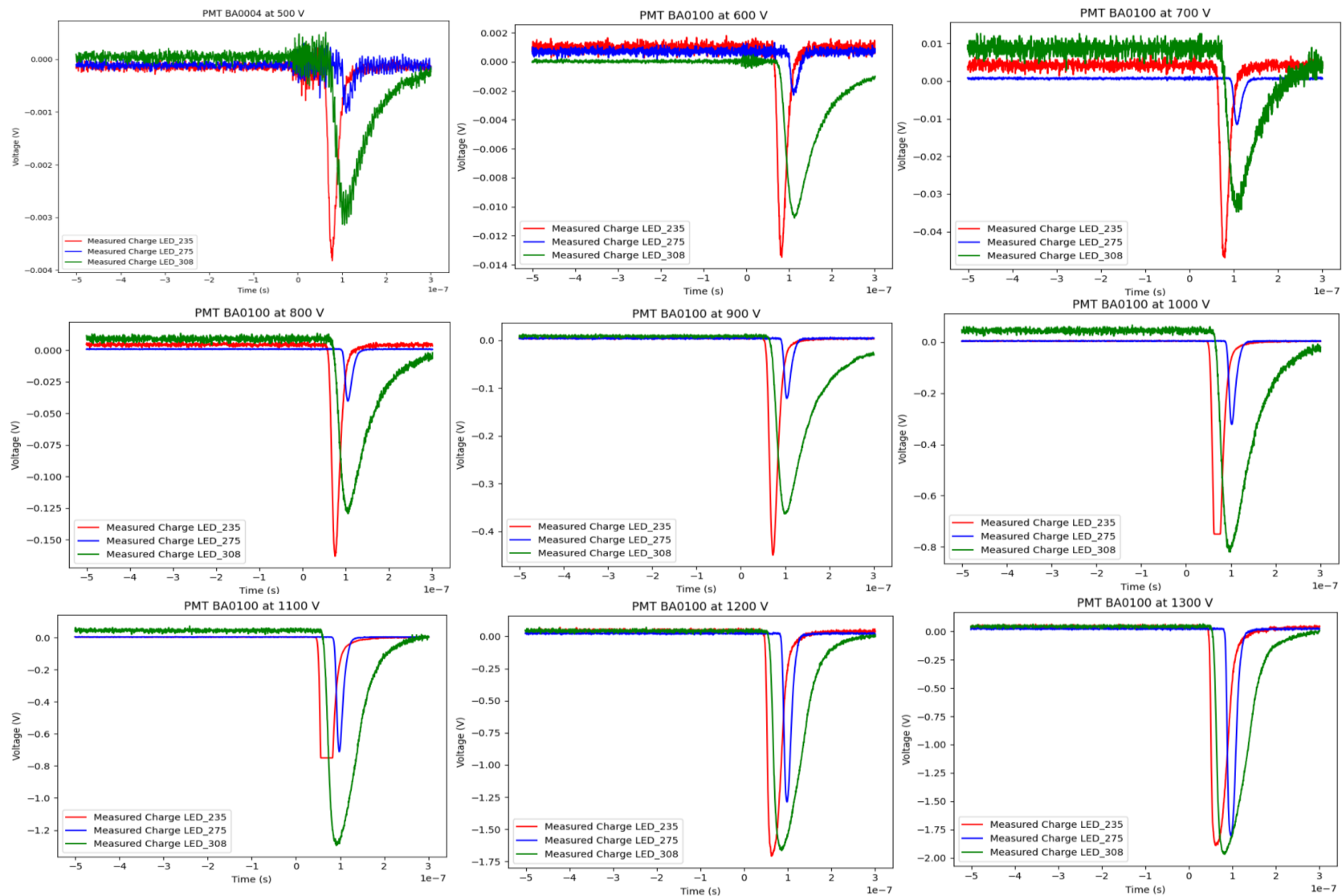
PMT BA0015 (New LED board)



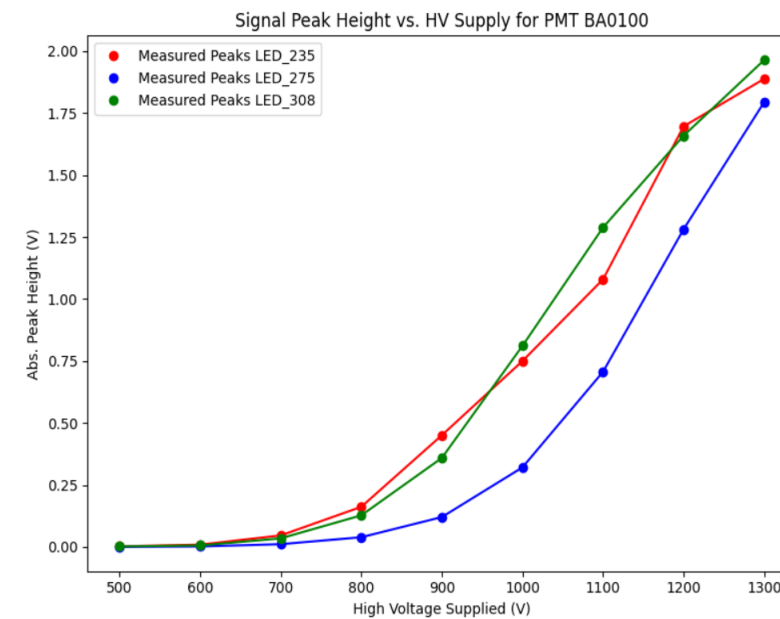
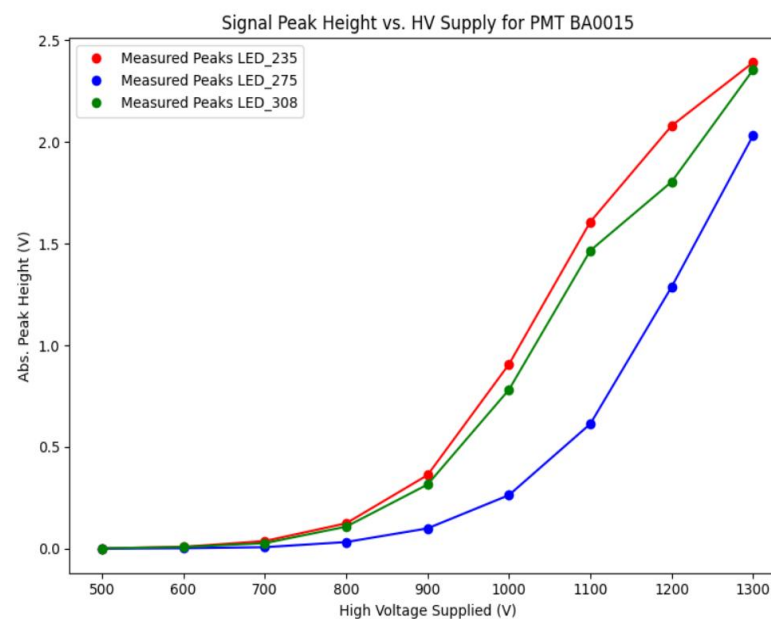
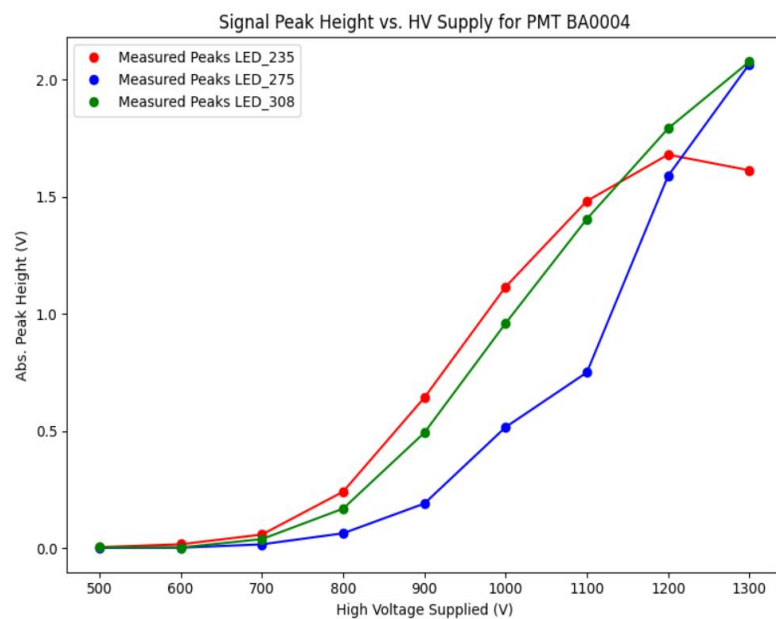
PMT BA0100 (First LED board)



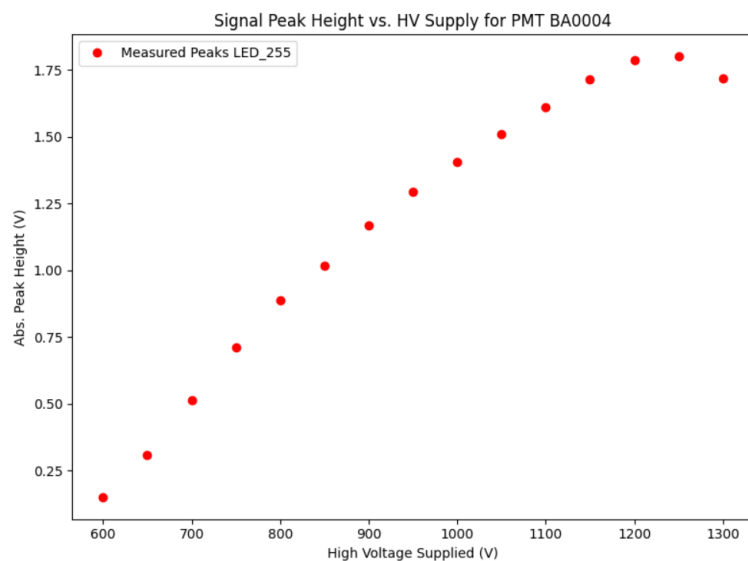
PMT BA0100 (New LED board)



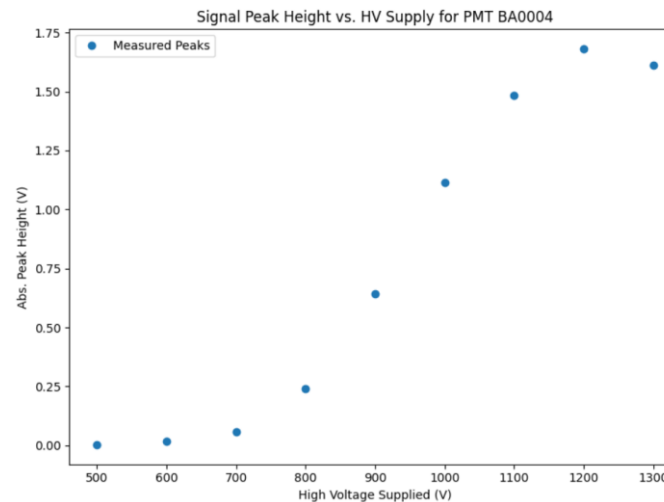
Linearity Measurements



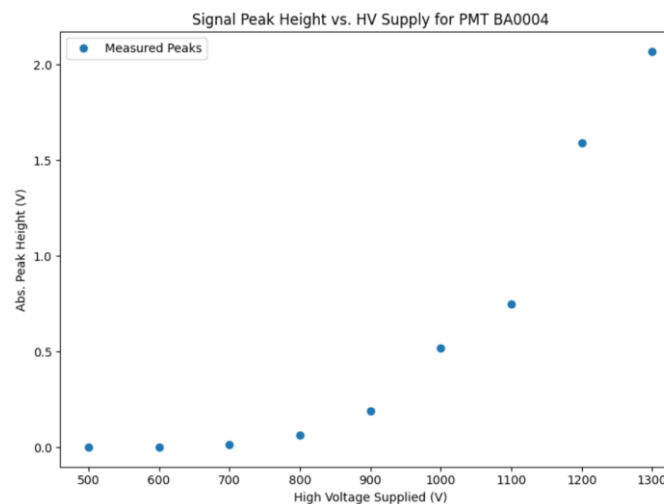
PMT BA0004



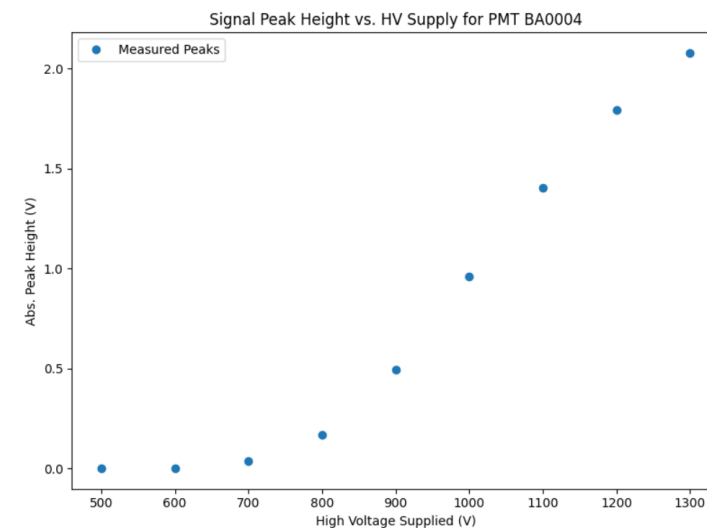
First LED board: **255nm**



235nm



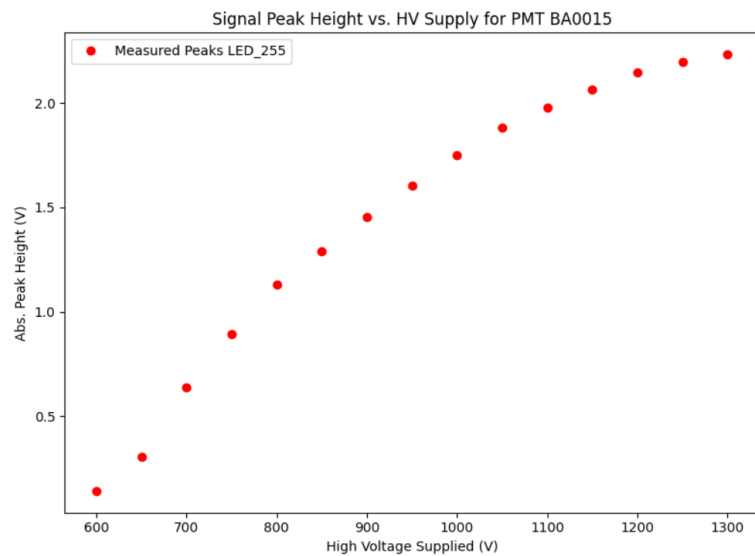
275nm



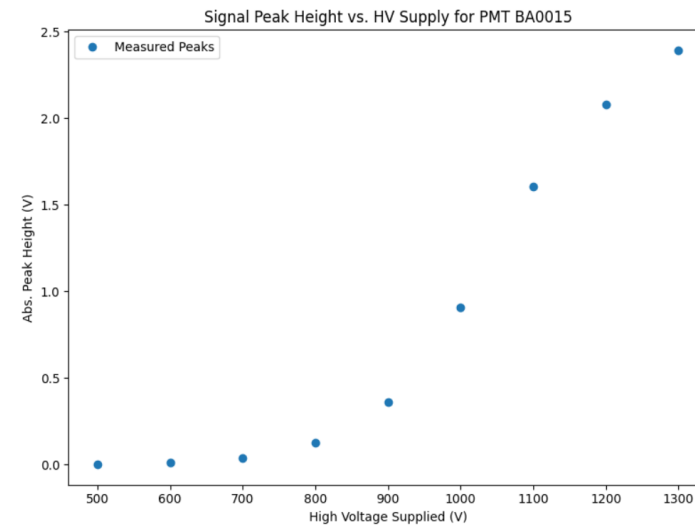
308nm

New LED board

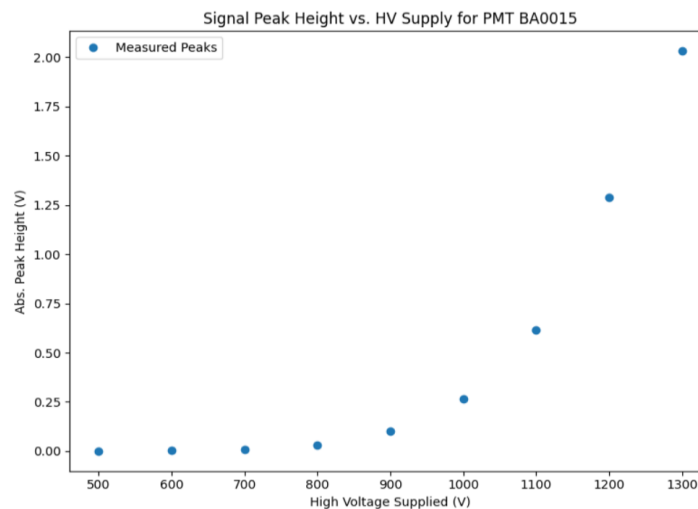
PMT BA0015



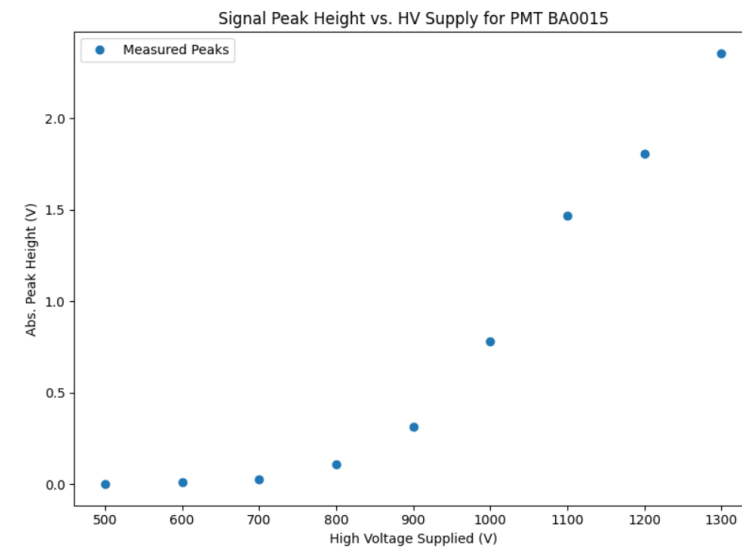
First LED board: **255nm**



235nm



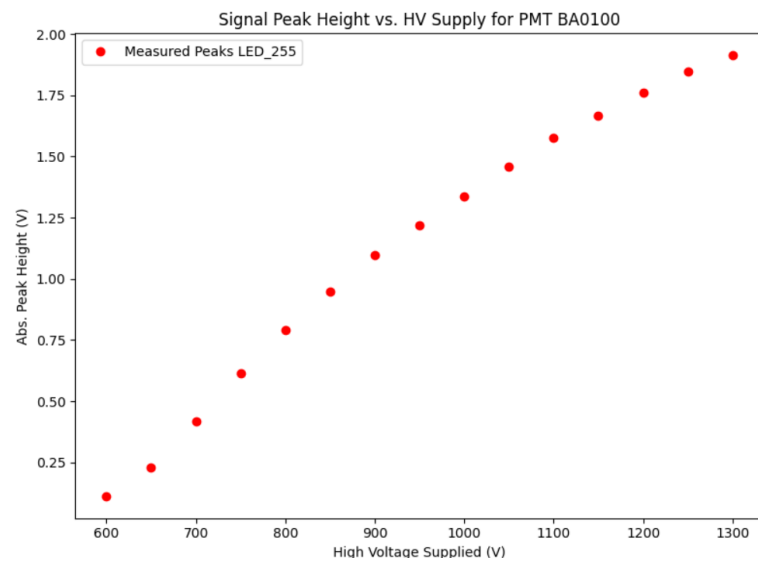
275nm



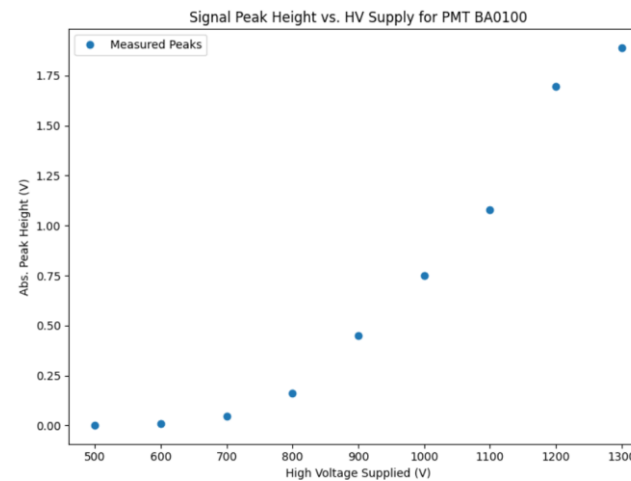
308nm

New LED board

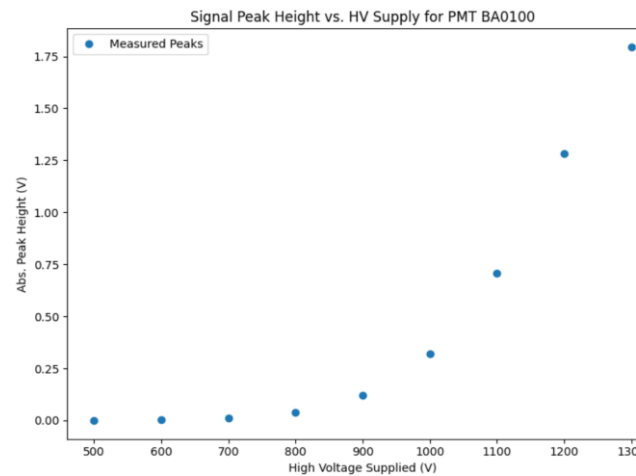
PMT BA0100



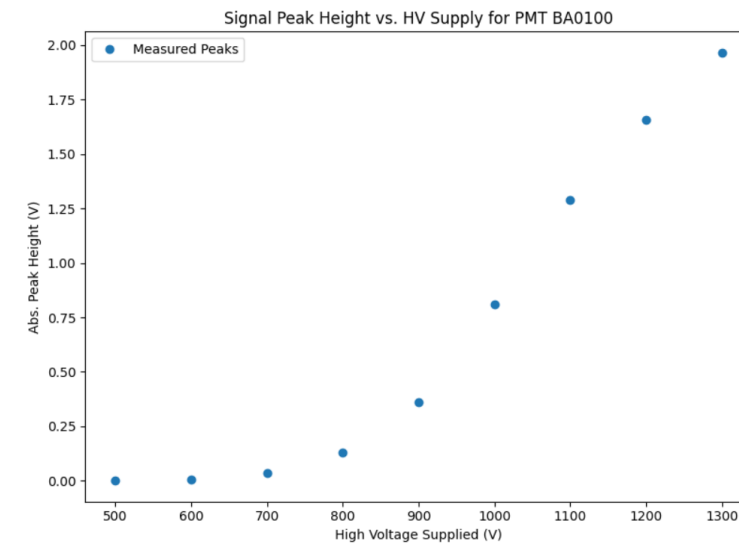
First LED board: **255nm**



235nm



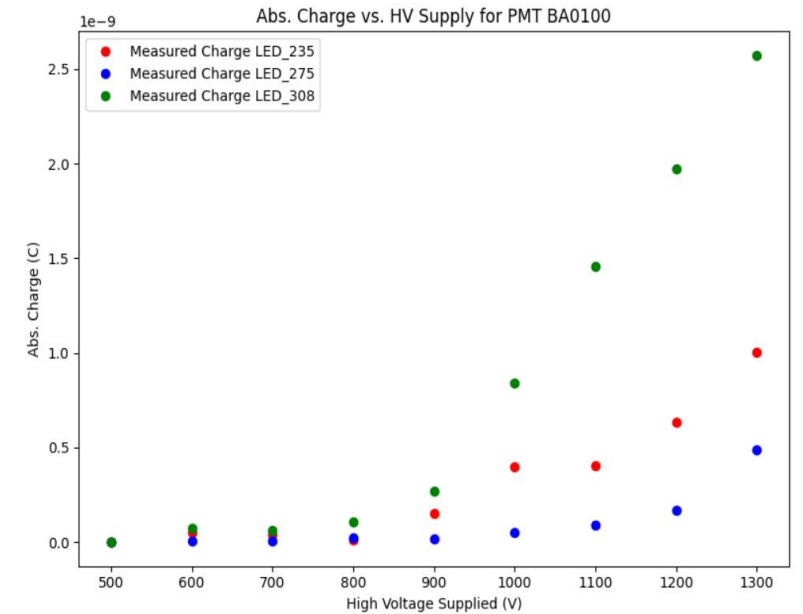
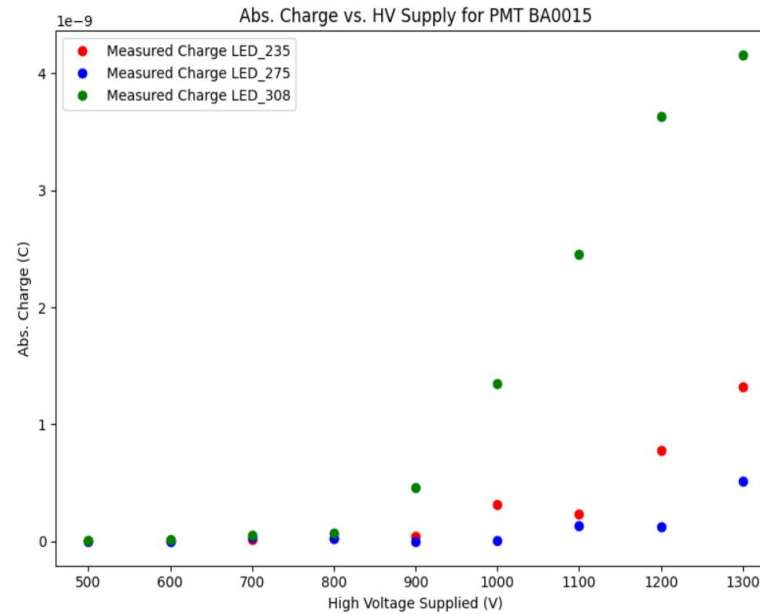
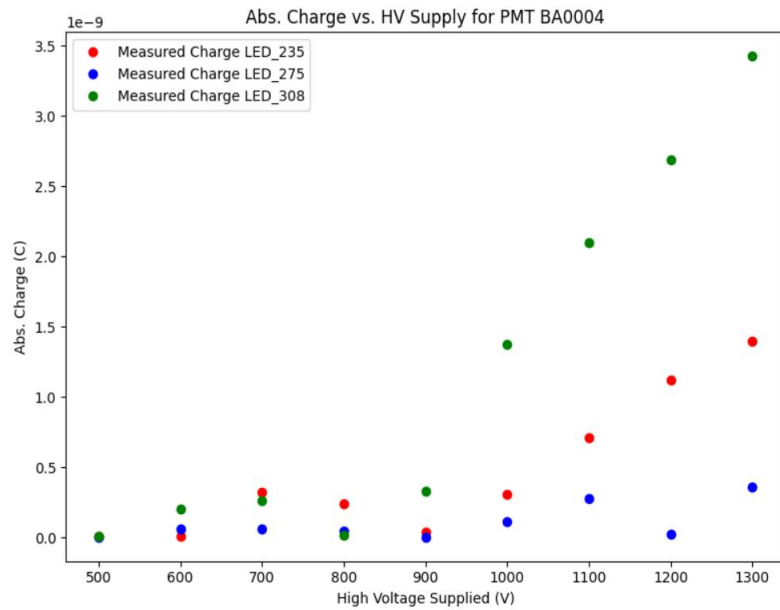
275nm



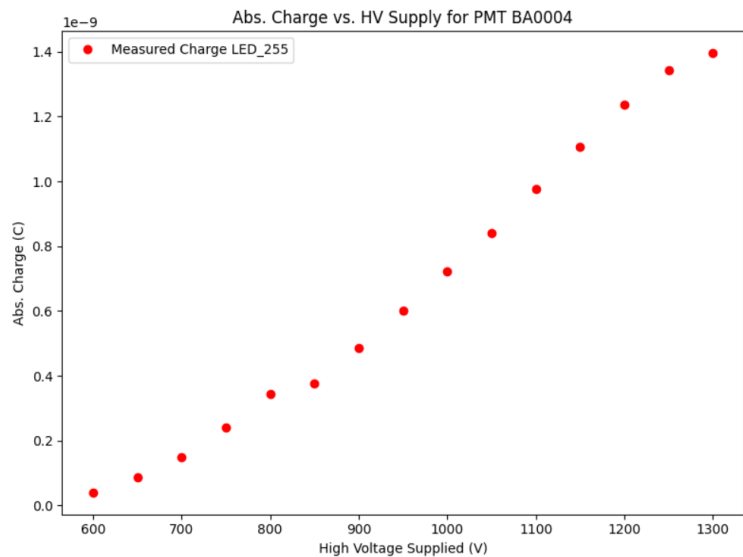
308nm

New LED board

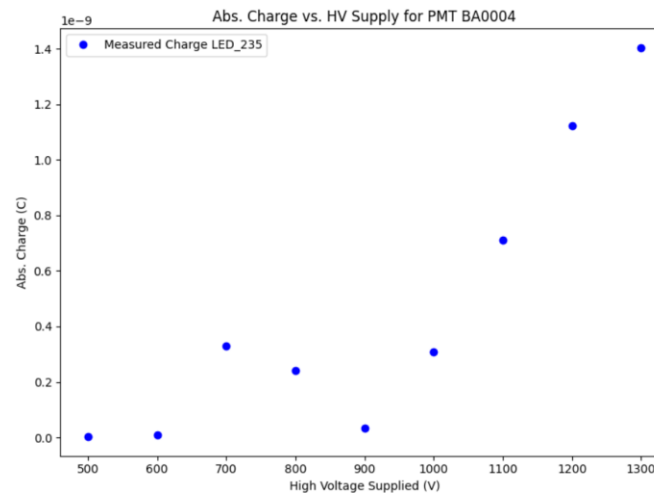
Charge Measurements



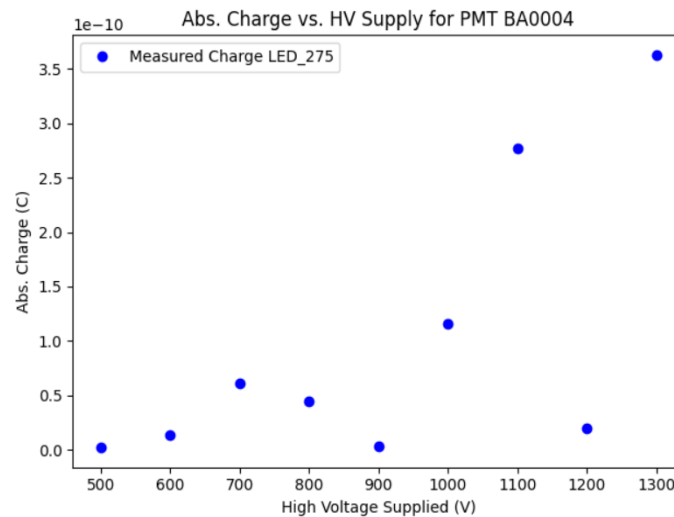
PMT BA0004



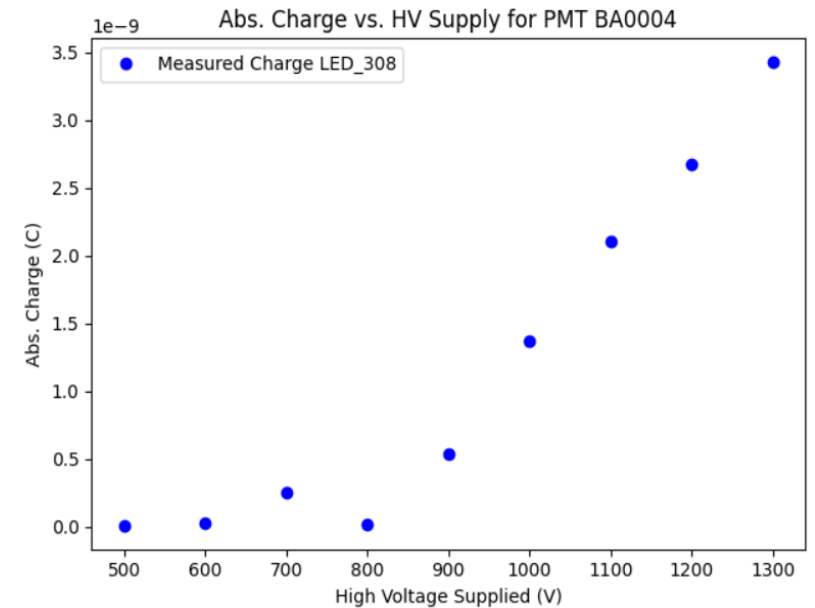
First LED board: **255nm**



235nm



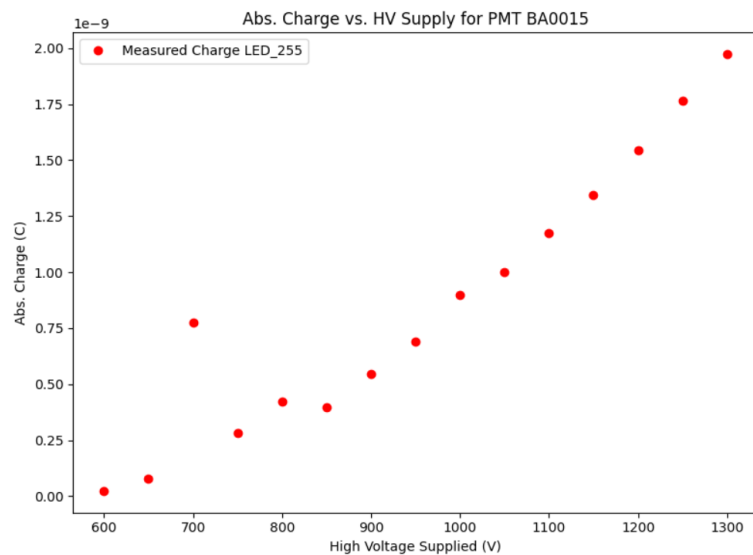
275nm



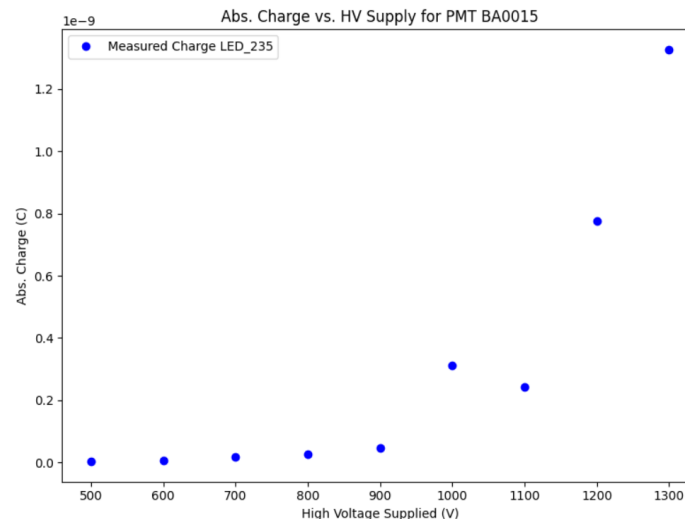
308nm

New LED board

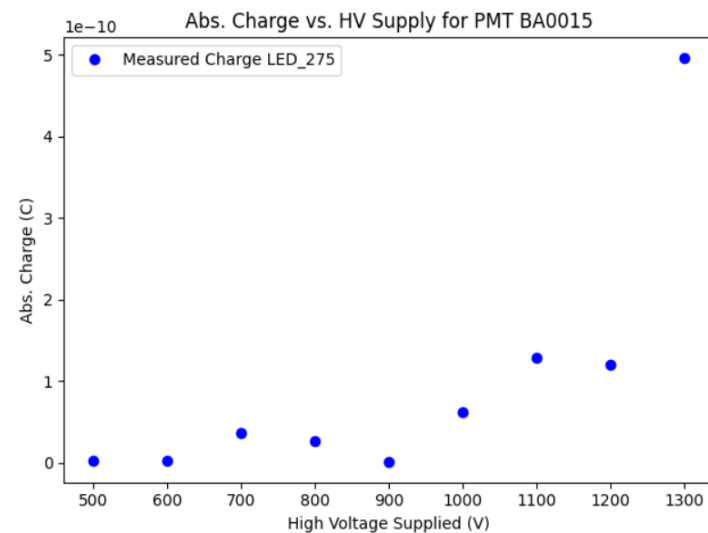
PMT BA0015



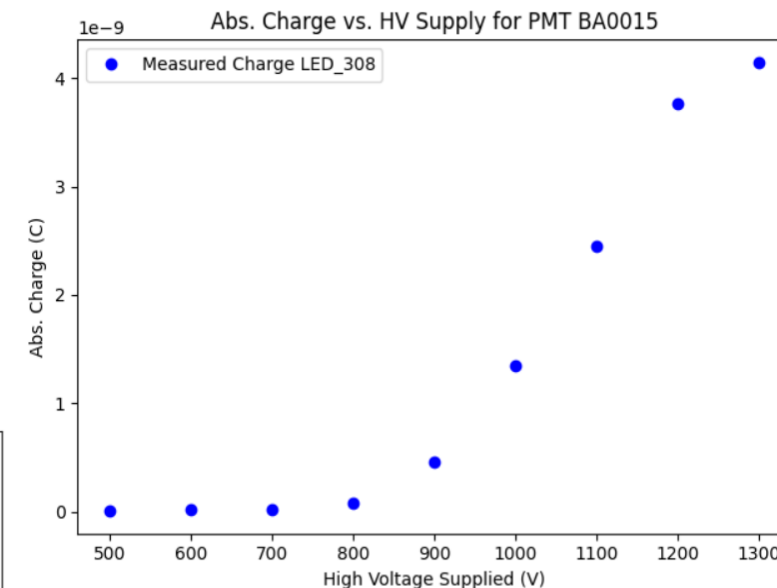
First LED board: **255nm**



235nm



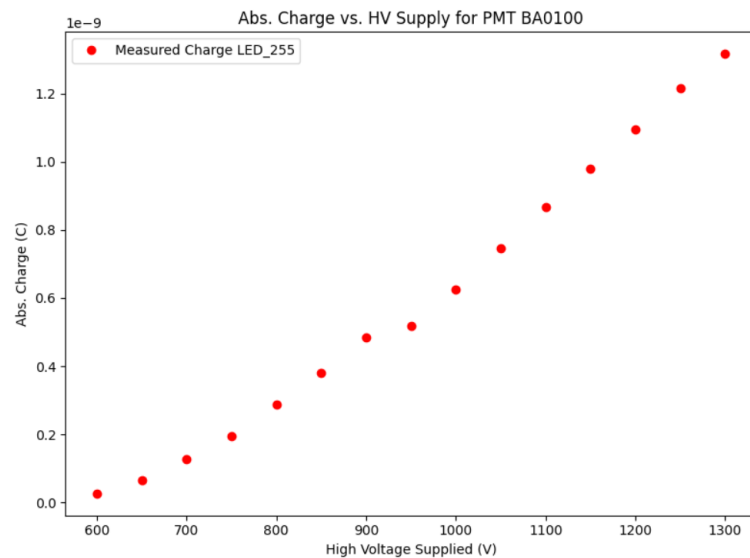
275nm



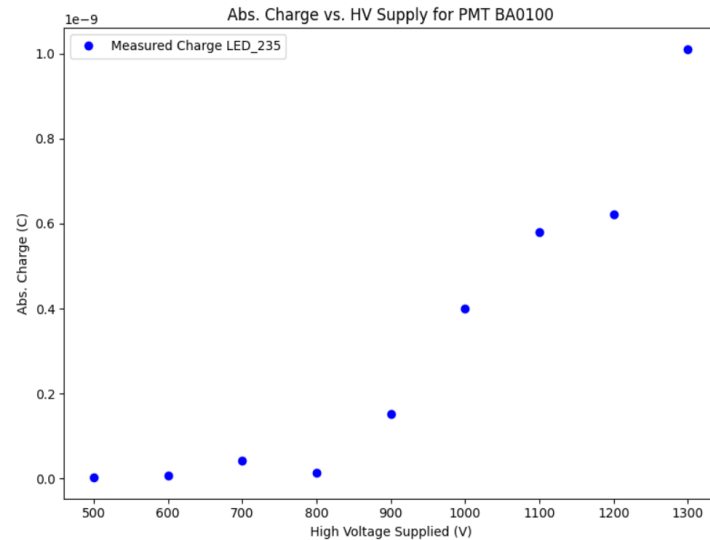
308nm

New LED board

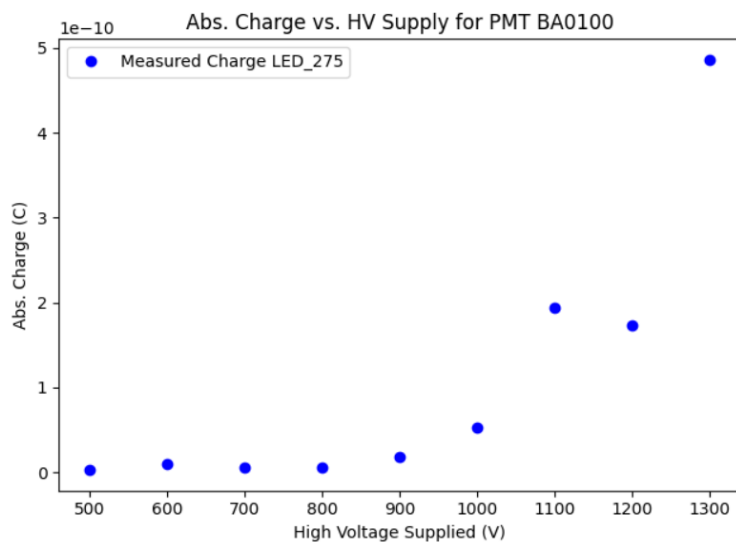
PMT BA0100



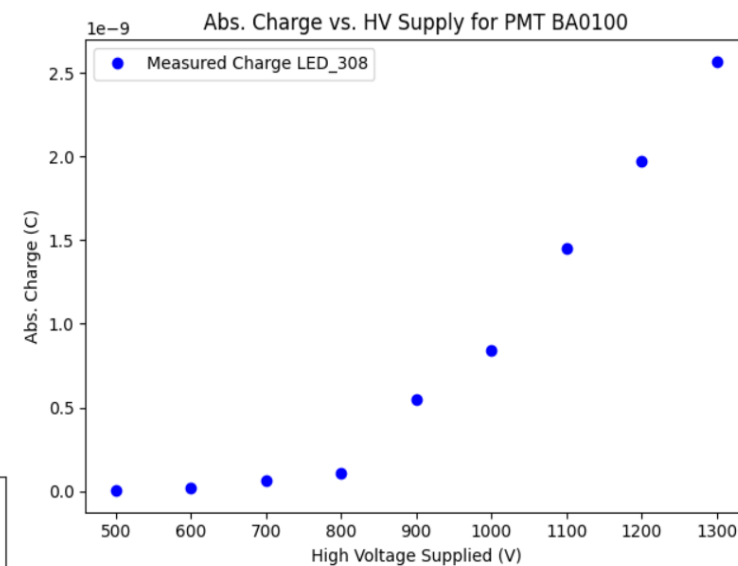
First LED board: **255nm**



235nm



275nm



308nm

New LED board