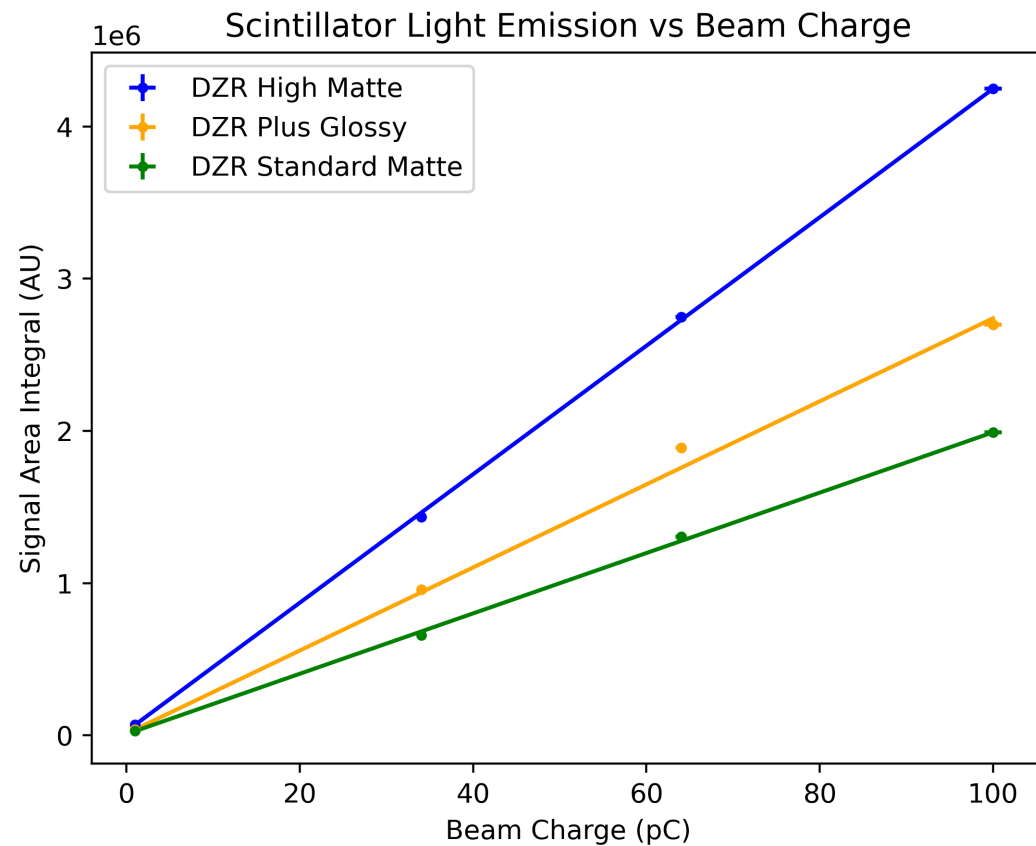


Setup

- Beam from the right
- Scintillator screens
 - Front screen can move sideways
- Cameras
- Cherenkov straws



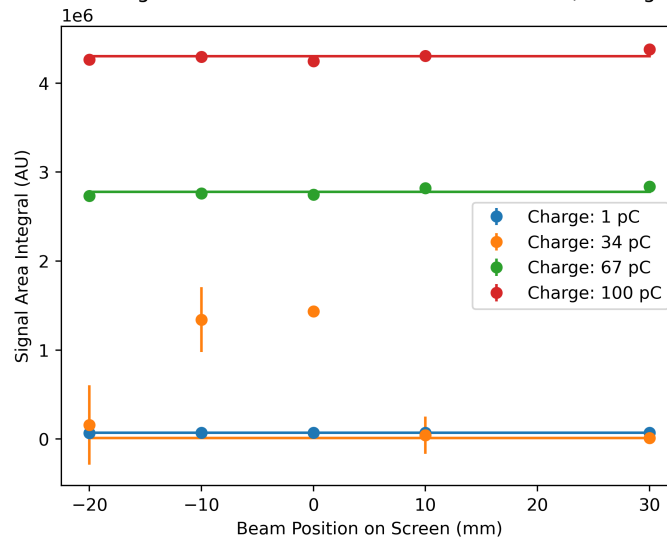
Comparison of the screens



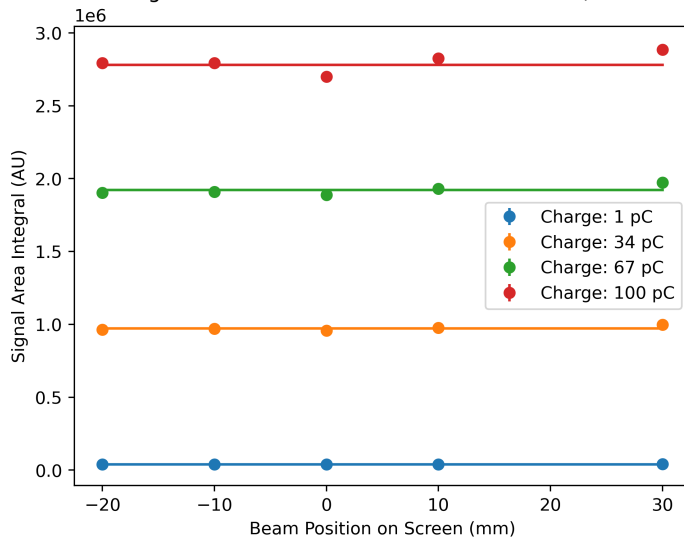
Position Scan

- Flat as expected (mostly)
- Largest deviation due to setup not working properly

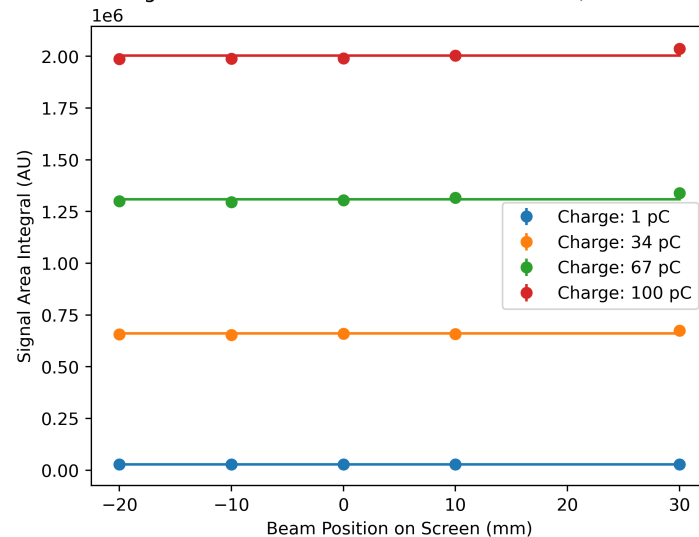
Scintillator Light Emission vs Beam Position on Screen (DZRHHighMatte)



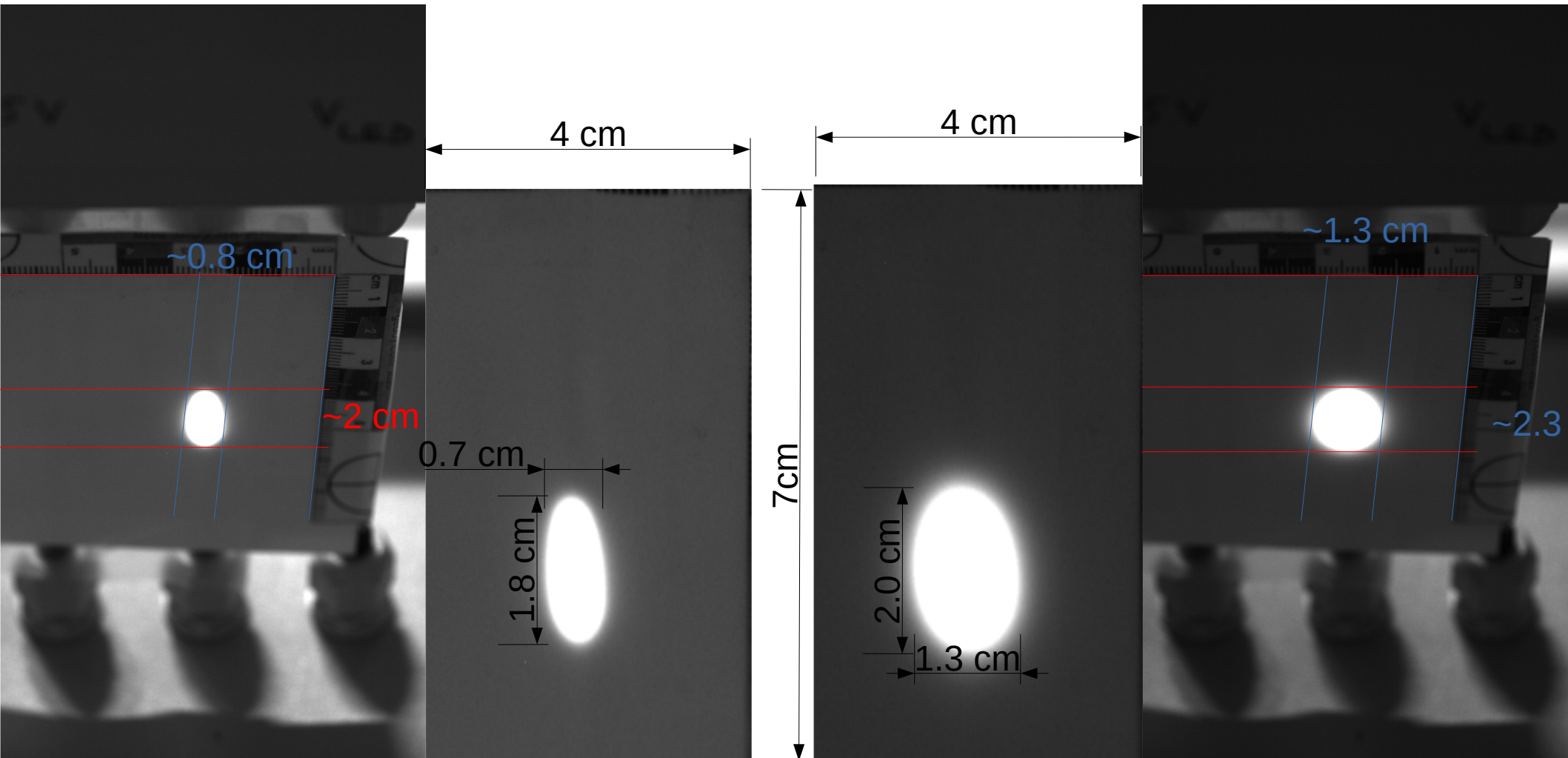
Scintillator Light Emission vs Beam Position on Screen (DZRPlusGlossy)

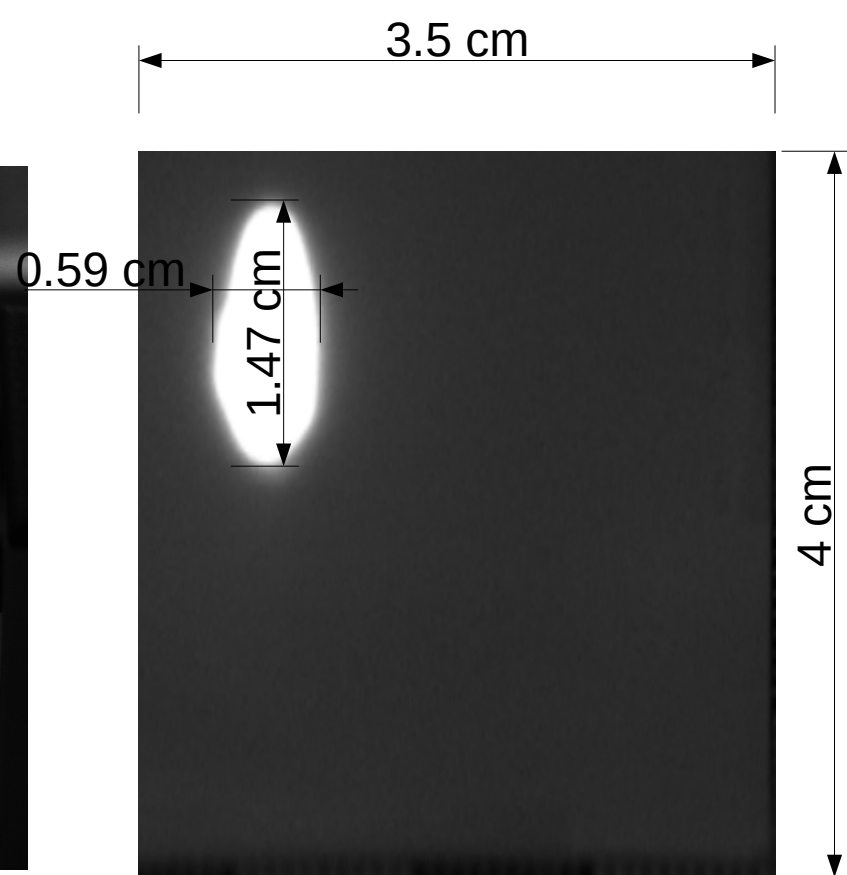


Scintillator Light Emission vs Beam Position on Screen (DZRStandardMatte)



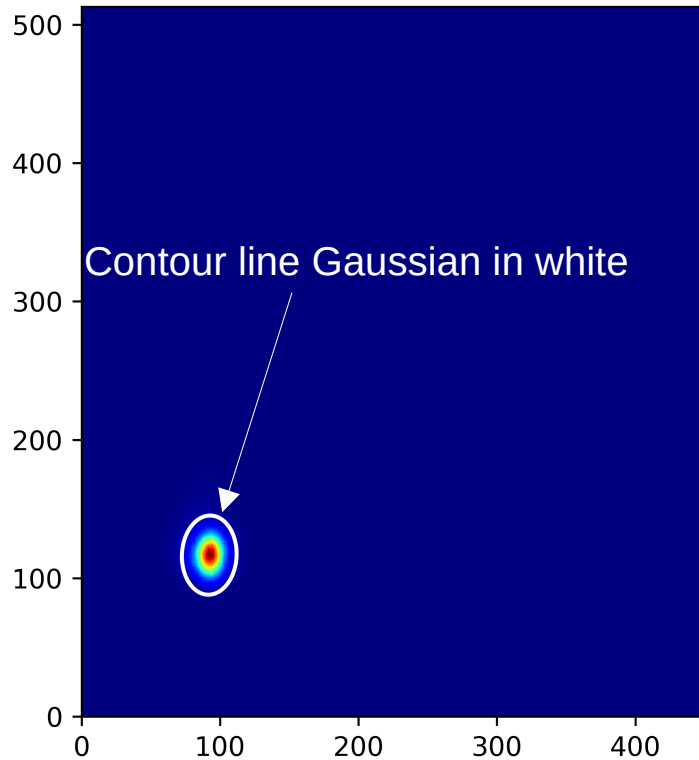
Beam Profile Reconstruction



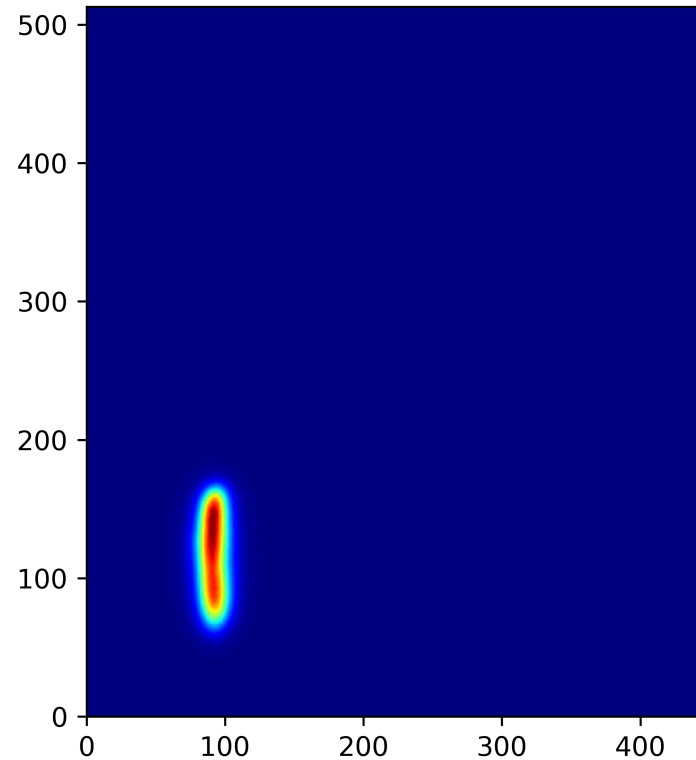


Fitting Gaussian to beam profile

Heatmap of image
Front screen, 1 pC

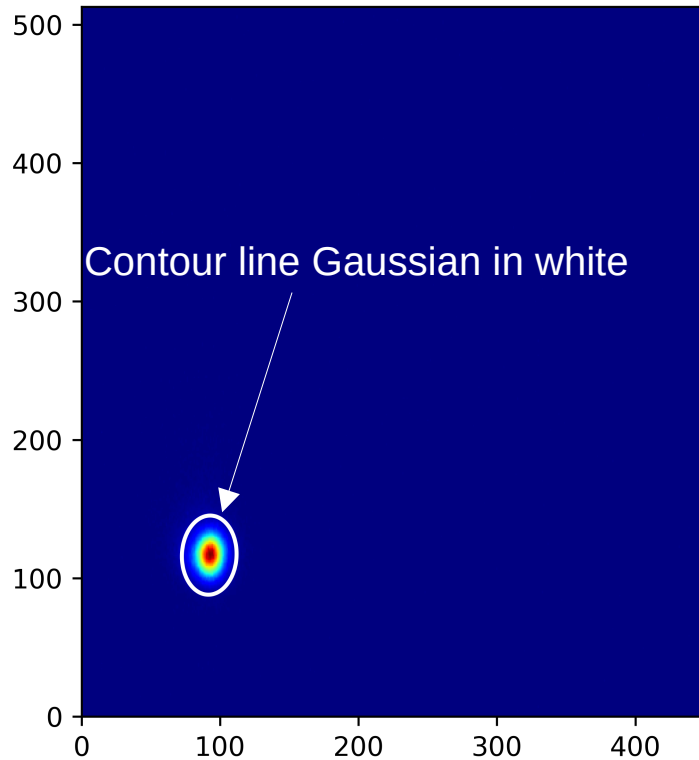


Heatmap of image
Front screen, 34 pC



Fitting Gaussian to beam profile

Heatmap of image
Front screen, 1 pC



Heatmap of image
Back screen, 67 pC

