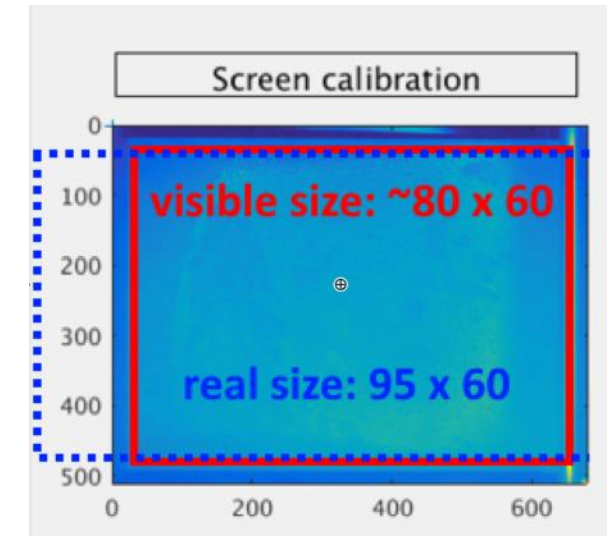


# HEDA2 calibration in OMA

- OMA has calibration routine (“Adjust screen position”) to find  $p_0$  position and scaling in mm/px (in conjunction with dipole current gives keV/px); Screen physical dimensions are saved in OMA’s stations.ini
- HEDA2 YAG screen width is 95 mm, but only ~80 mm is visible!  
**even if calibration done correctly (not always the case!) -> wrong scaling**  
-> **overestimation of the momentum spread + likely mean momentum offset**
- Use LYSO (edges are clearly seen) and manually type in its width
  - Instructions on calibration: <https://confluence.desy.de/display/PITZ/Momentum+measurements>
  - Calibration has to be done every time you switch between bin 2x2 and Full res!

YAG



LYSO

