Import **“feenstra\_line\_cuts\_09\_19\_2017.mat”**

**[ampl\_m15, width\_m15, pc\_m15]=fese\_qpi\_radial\_linecuts(obj\_60721a00\_F\_FT\_pub, -15, dcut, pcut);**

Input: Feenstra map, energy in mV, line-cuts, pcut contains the end points of the line-cuts and is used for plotting them on top of K(q)

will create overlay of lines, plotted peak positions on top of K(q). Will also plot amplitudes and widths for that specific energy.

Import **“feenstra\_line\_cuts\_hole\_like\_band.mat”**

**fese\_self\_energy\_plot(amplitudes, widths, keys, 'hole')**

Input: all extracted amplitudes and widths. Keys contains information on if amplitude and width information makes sense or was result of nonsense fit and should be replaced with a zero and ignored for all presentation, calculation, and plotting purposes. ‘hole’ tells that it is the hole band being plotted.

Import **“feenstra\_line\_cuts\_electron\_like\_band.mat”**

**fese\_self\_energy\_plot(amplitudes, widths, keys, electron)**

Input: all extracted amplitudes and widths. Keys contains information on if amplitude and width information makes sense or was result of nonsense fit and should be replaced with a zero and ignored for all presentation, calculation, and plotting purposes. ‘electron’ tells that it is the electron band being plotted.