

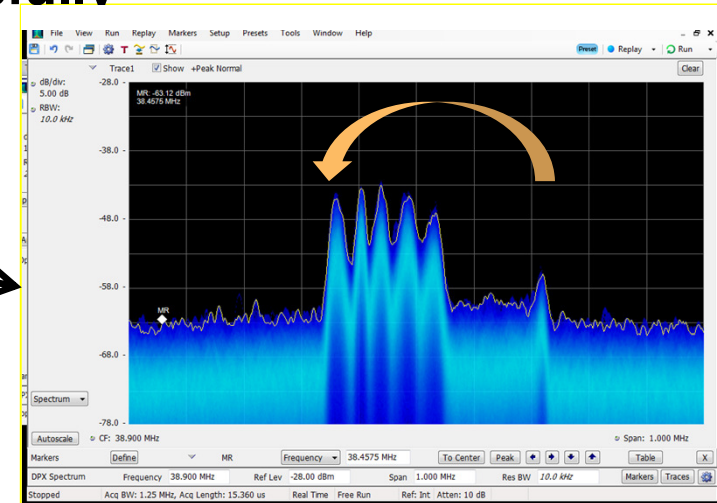
# ESR Status December 3, 2019

## Engineering run continued

- various manipulations were tested successfully

(tune, rf, orbit bumps, electron energy)

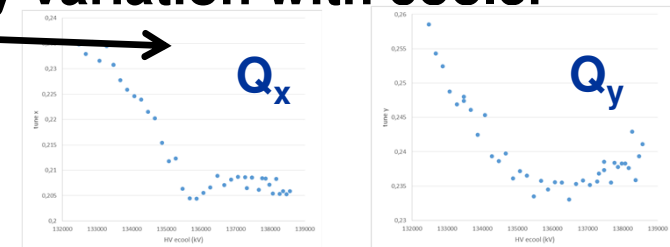
- rf ramping for accumulation tested without cooling on injection orbit



- first useful orbit measurements with BPMs

- measurement of tune/chromaticity by energy variation with cooler

- profile monitor showed only vertical signal, horizontal signal below noise



- controlled electron energy variation before deceleration tested

- next step: deceleration of  $\text{Ar}^{18+}$  starting from 70 MeV/u