

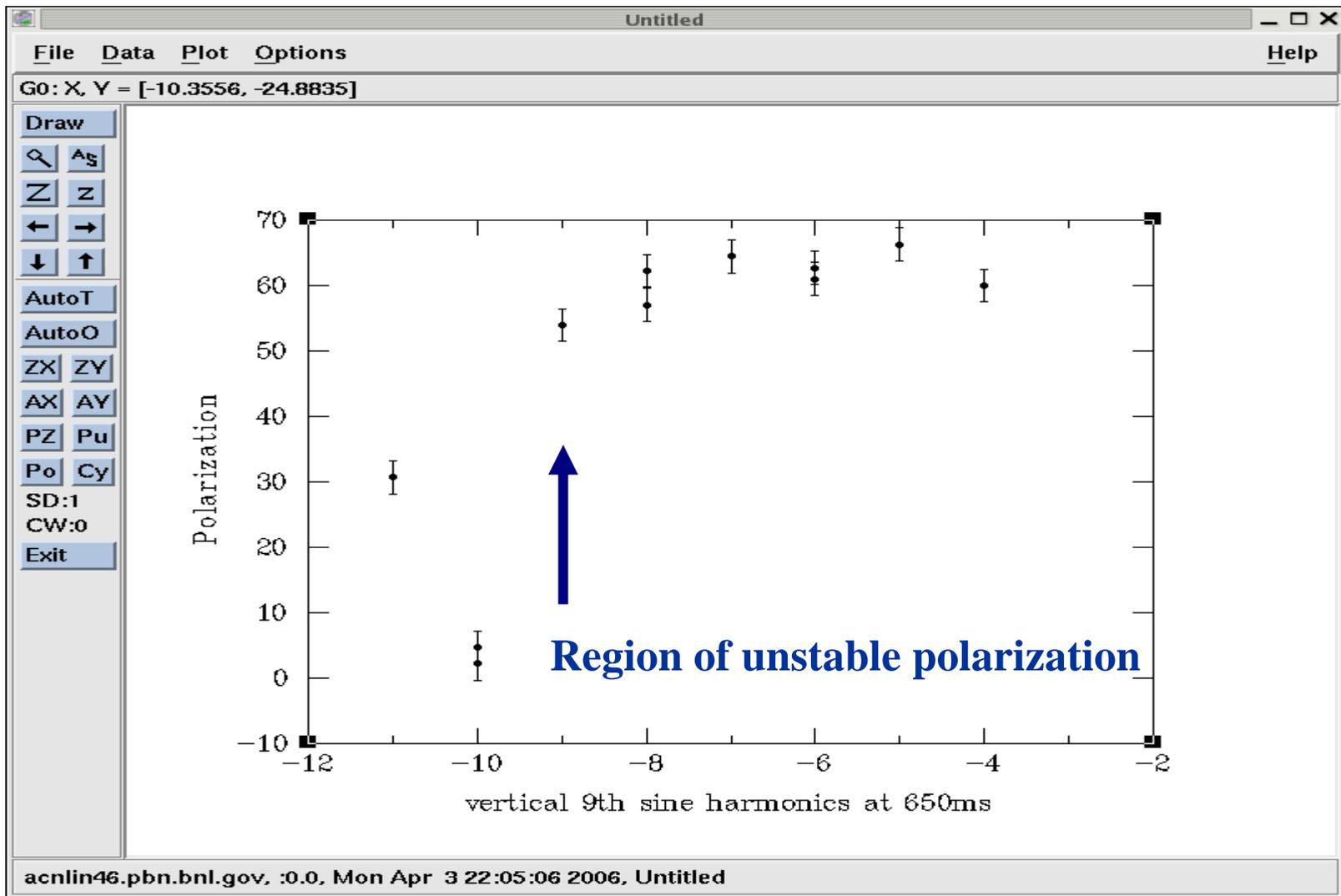
# AGS Cold Snake Status and Plan

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# AGS Polarization vs. 9<sup>th</sup> Harmonics



# Status and Plan

- Use vertical scraping in the Booster and source polarization 80%, we get polarization 60-65% with  $1.3 \times 10^{11}$ .
- Polarization was lower since the maintenance(50-58%). Emittance and tunes behaved the same as before. It turned out that orbit distortion close to flattop caused the problem. With correction of the orbit distortion, the polarization is above 60% with  $1.5-1.6 \times 10^{11}$ .
- Another set of polarization profiles in both vertical and horizontal planes.
- As soon as we restore the polarization to 60% level, we will move on to lower horizontal tune ( $\sim 8$ ) setup.