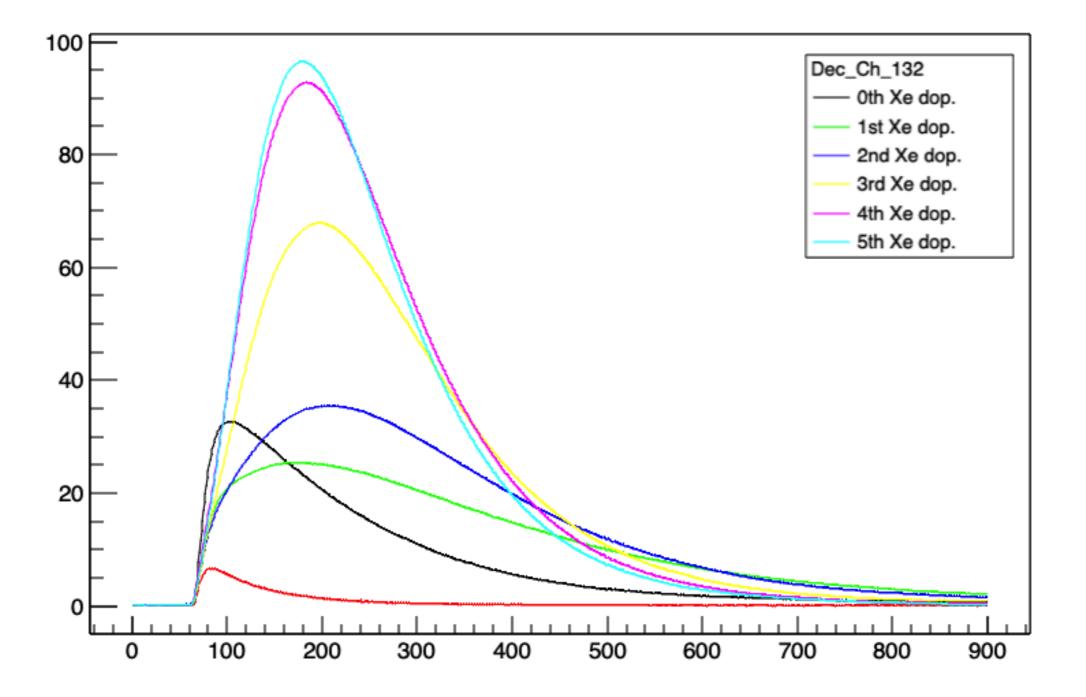
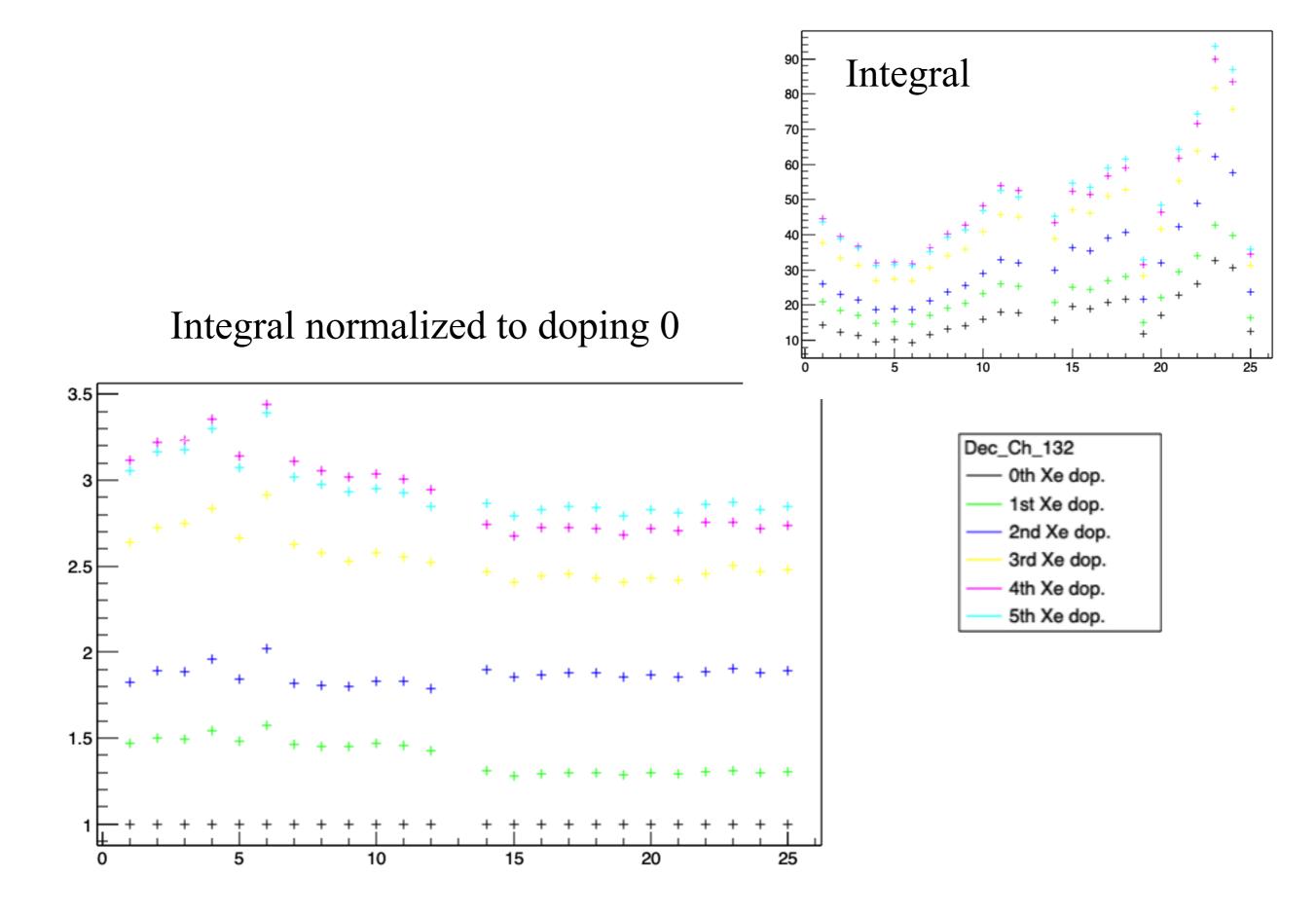
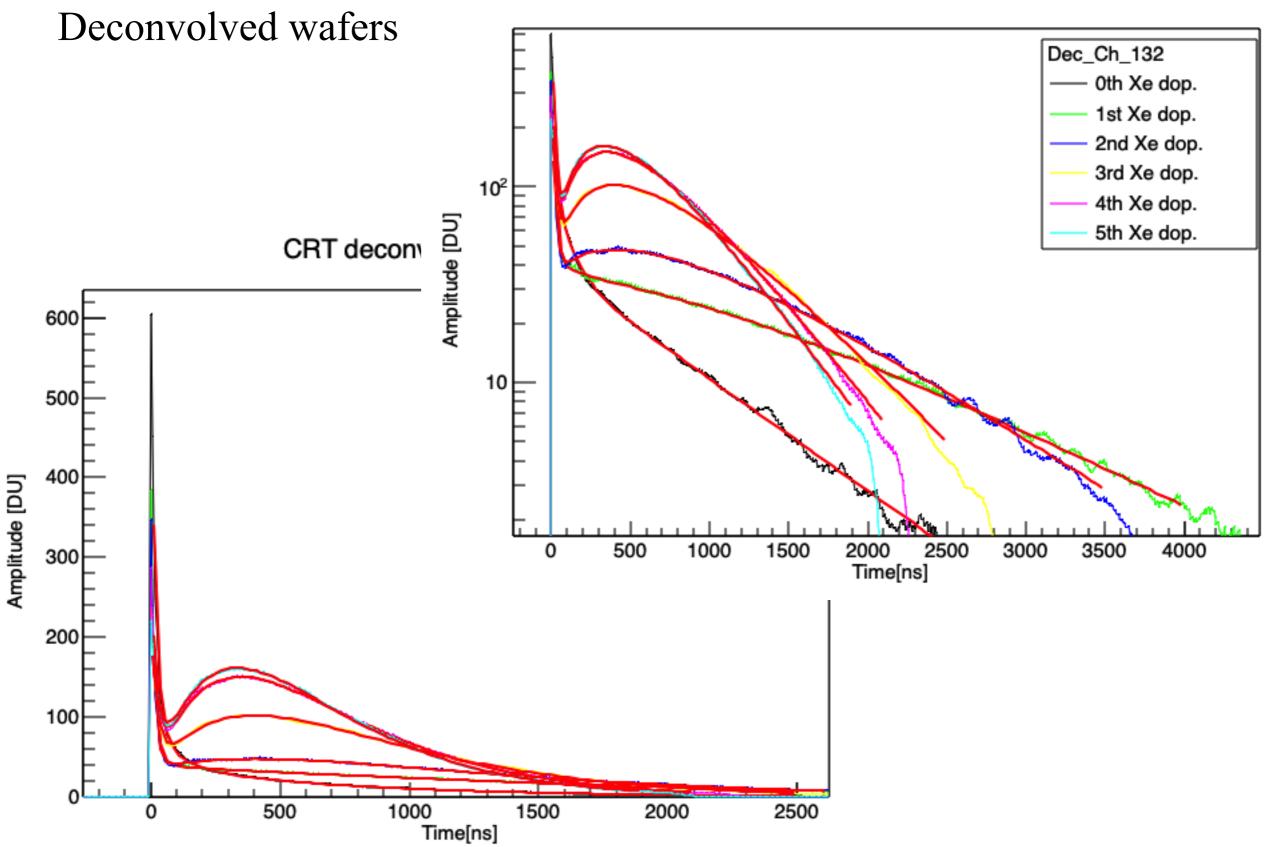
Progress on Xe-doping analysis

Dante Totani Oct. 16th, 2020

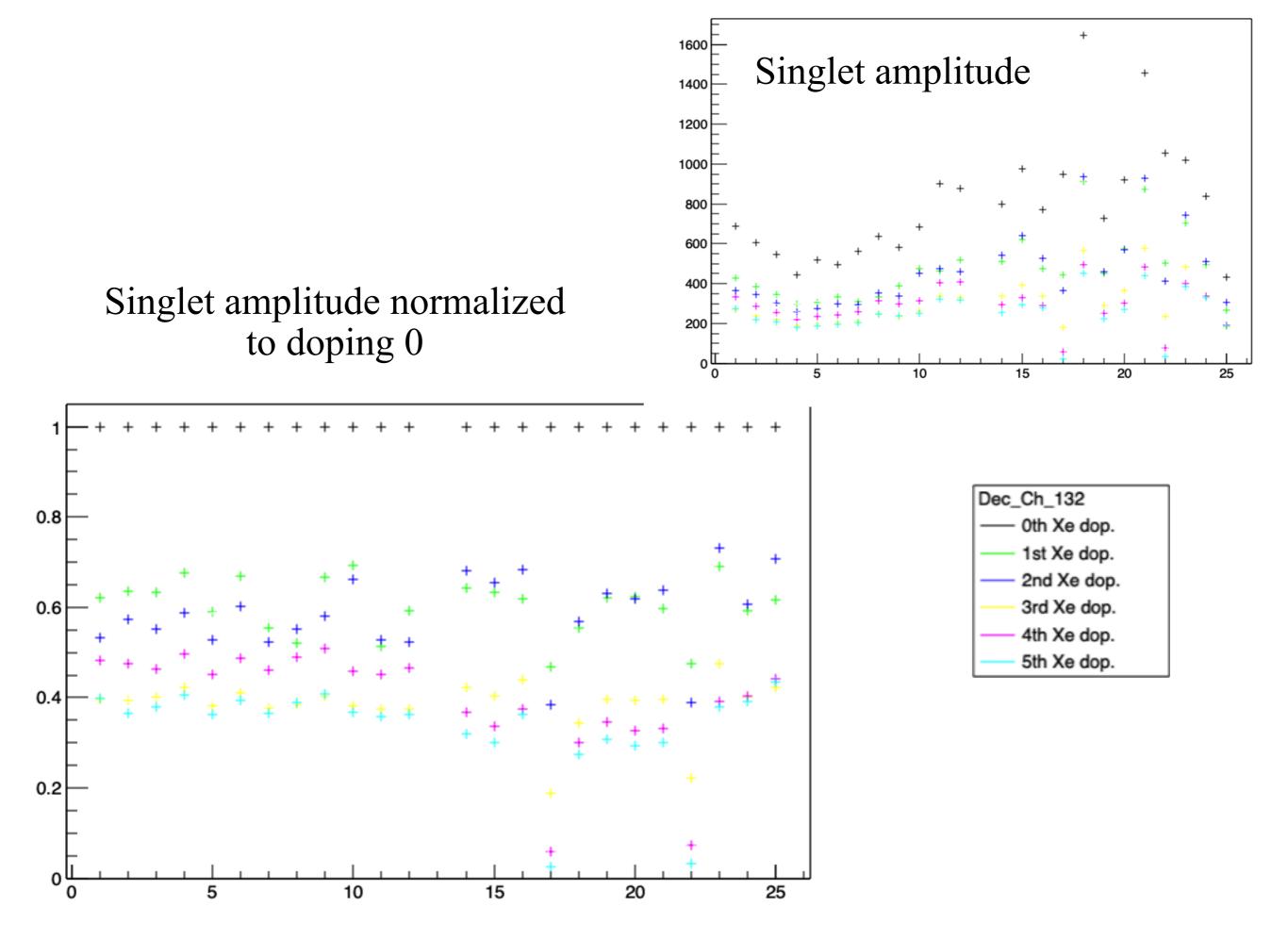
Channel 132, waveforms for all doping values (and SPE)



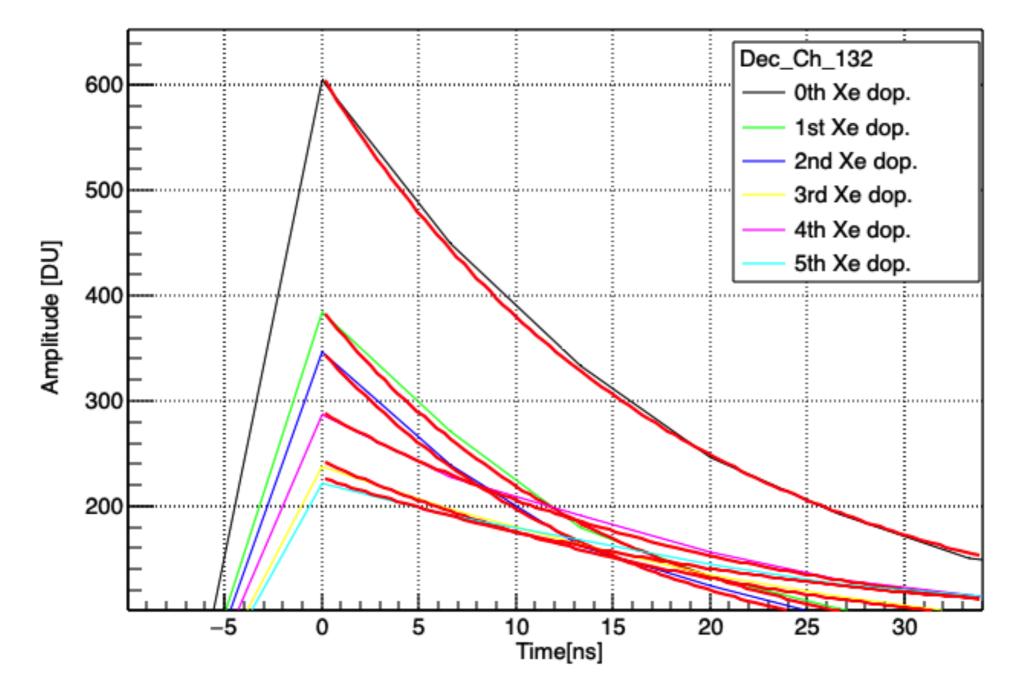




CRT deconvolved waveforms



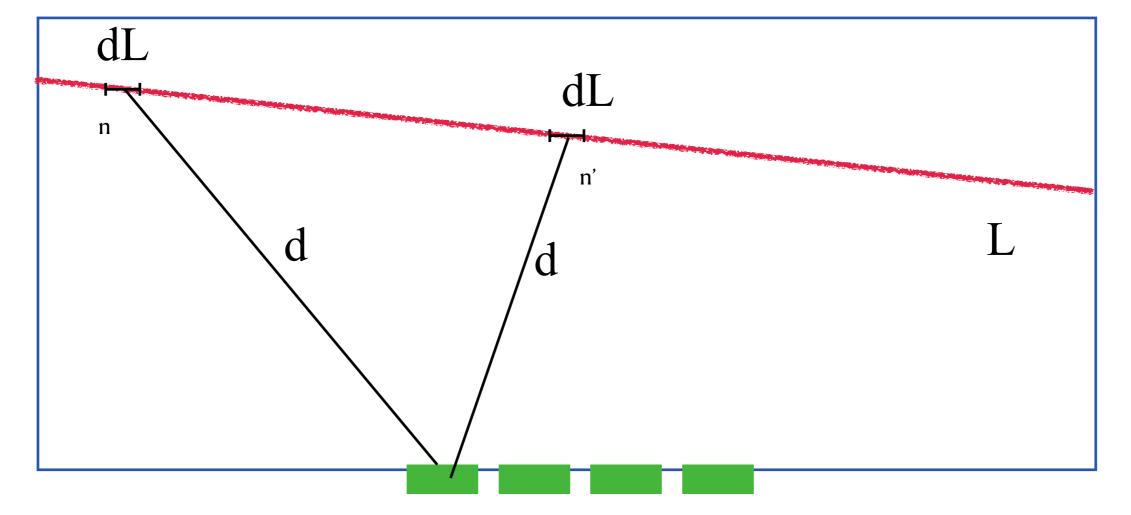
Singlet amplitude reduction has been observed from S-Arapuca, X-Arapuca (independent detector in single phase), and PMT in dual-phase. It is under investigation.



CRT deconvolved waveforms

More investigations are needed regarding Rayleigh scattering and edge effect (reflections)

Weighted average of the distance: $\langle d \rangle = \frac{1}{N_{tot}} \sum (d \cdot n)$



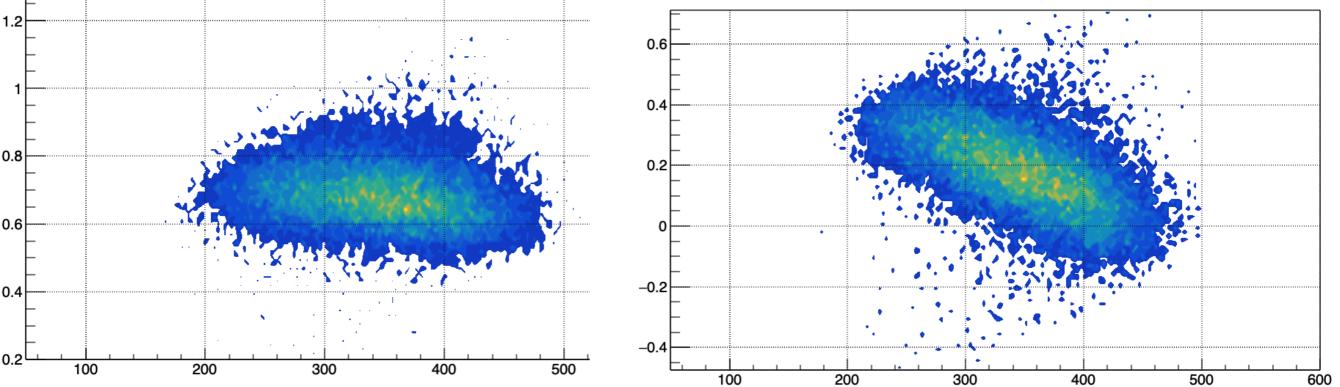




Entries Mean x Mean y Std Dev Std Dev







PH takes into account only geometrical acceptance: Rayleigh scattering and wall reflections have to be included