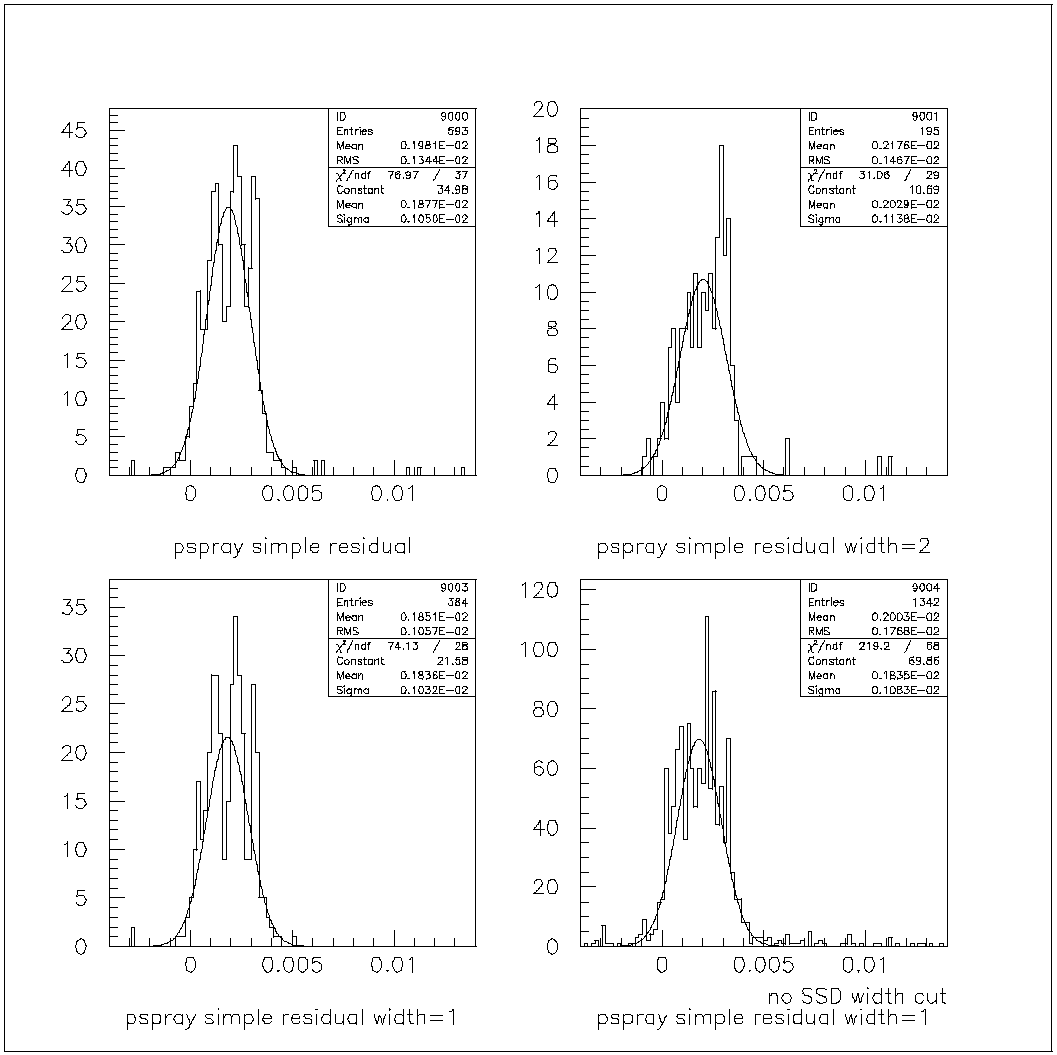0º center of gravity charge interpolation