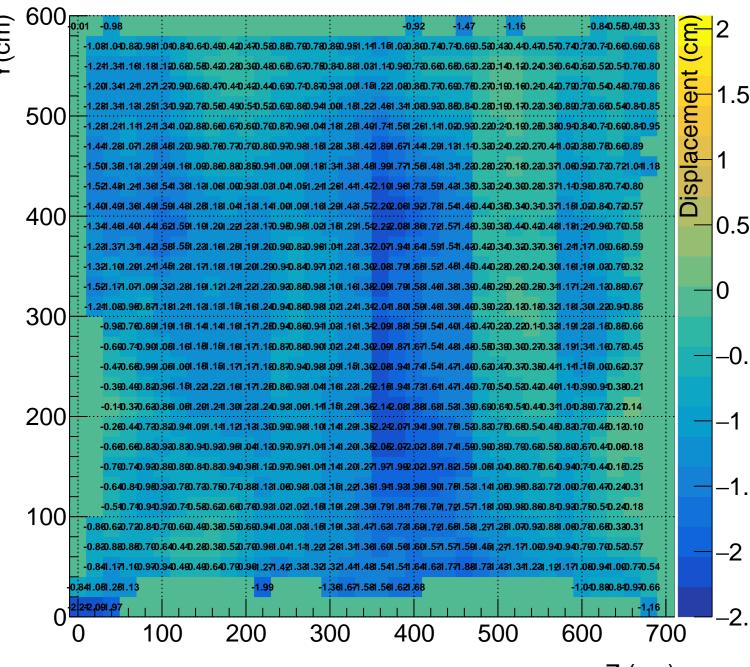frame displacement (beam left)