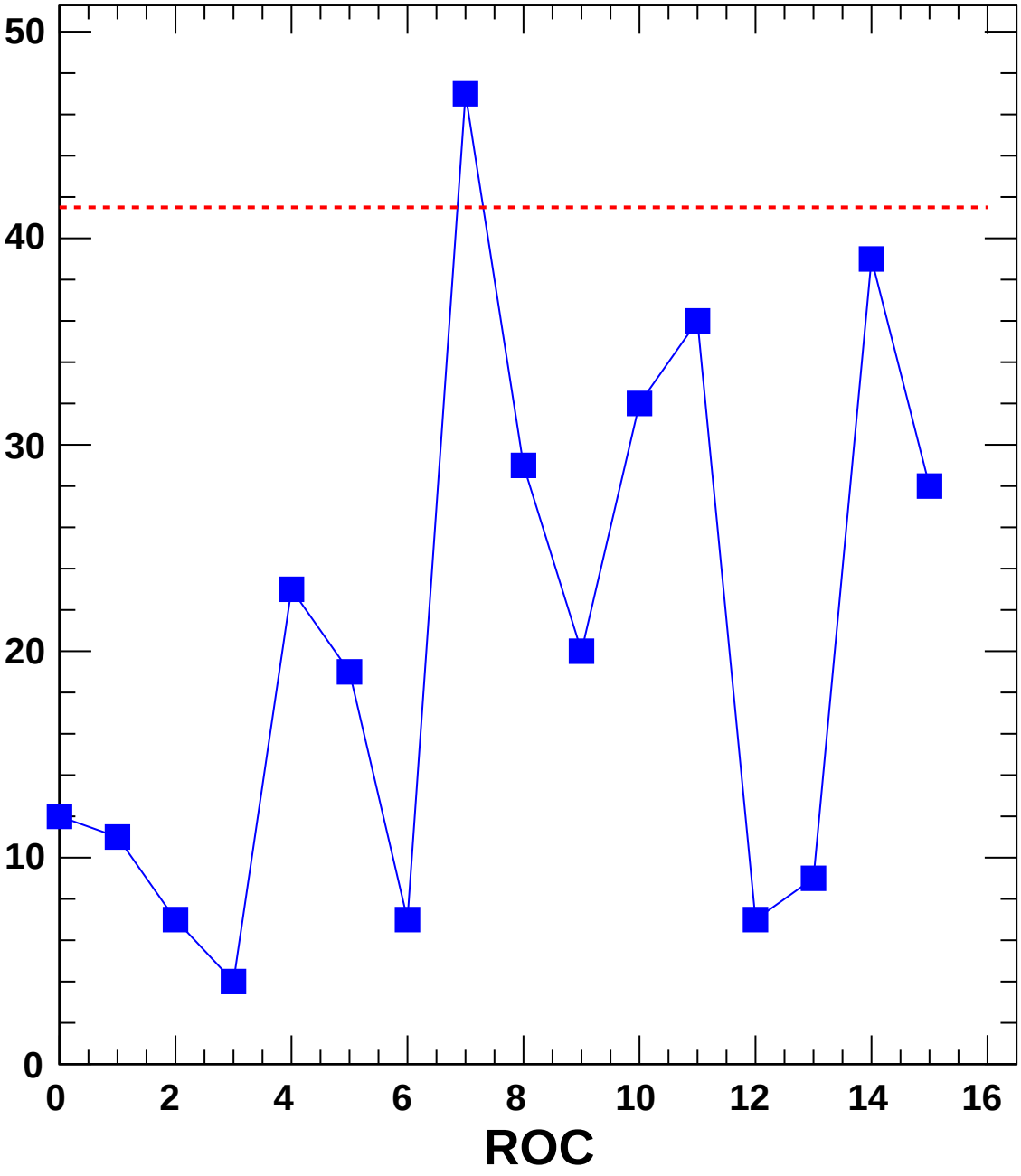BB defects 150