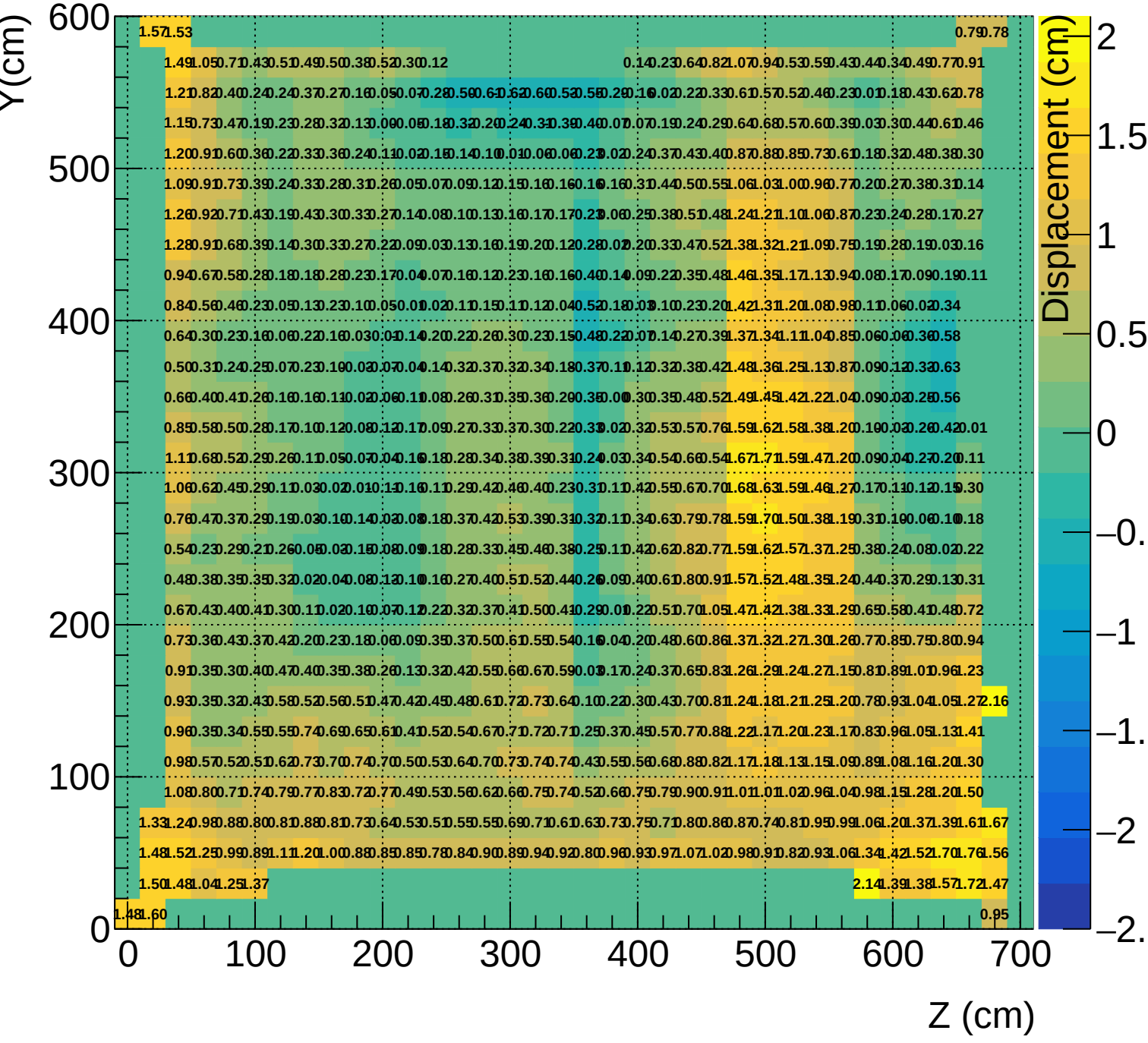frame displacement (beam right)