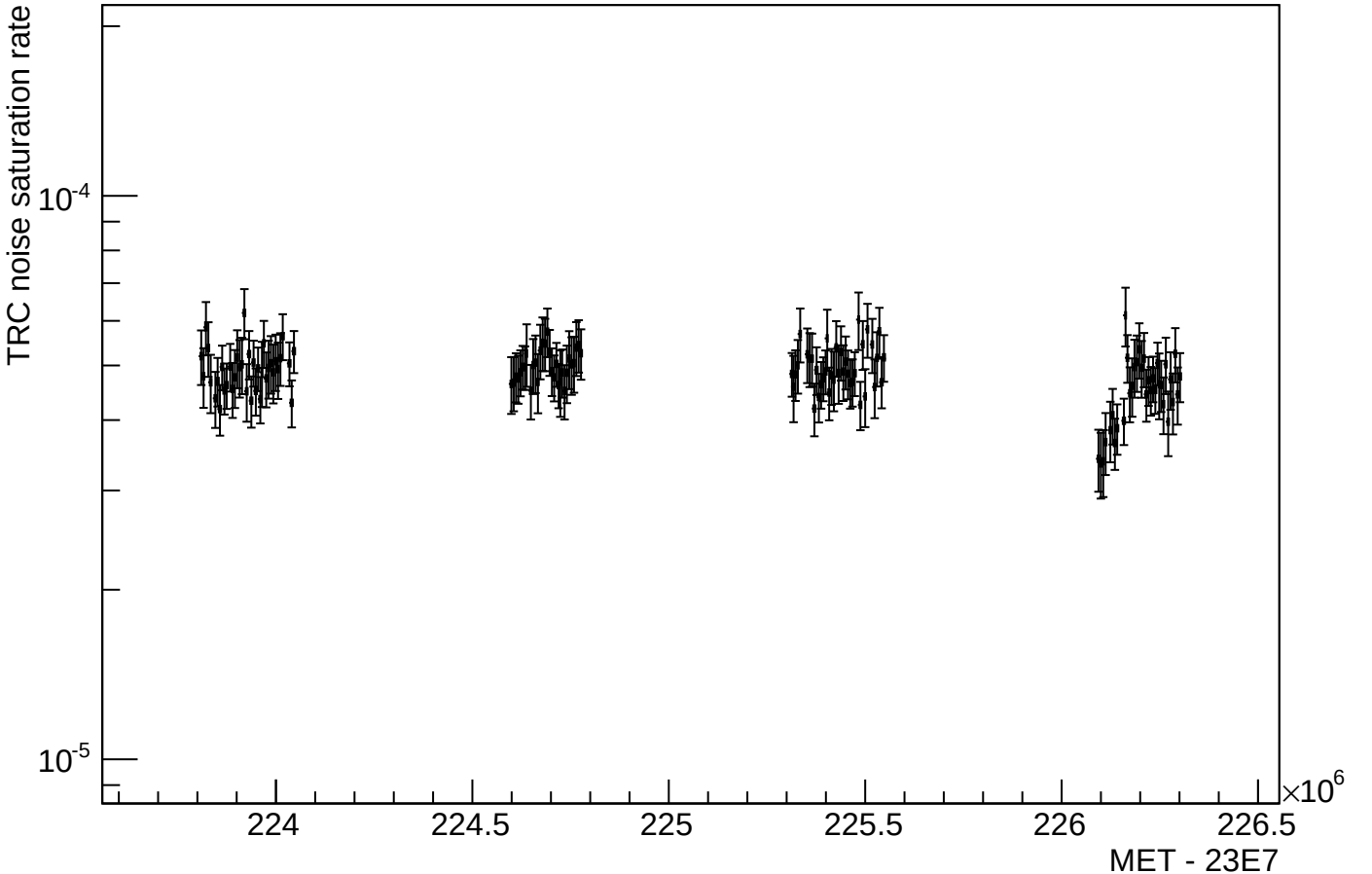TRC noise saturation rate