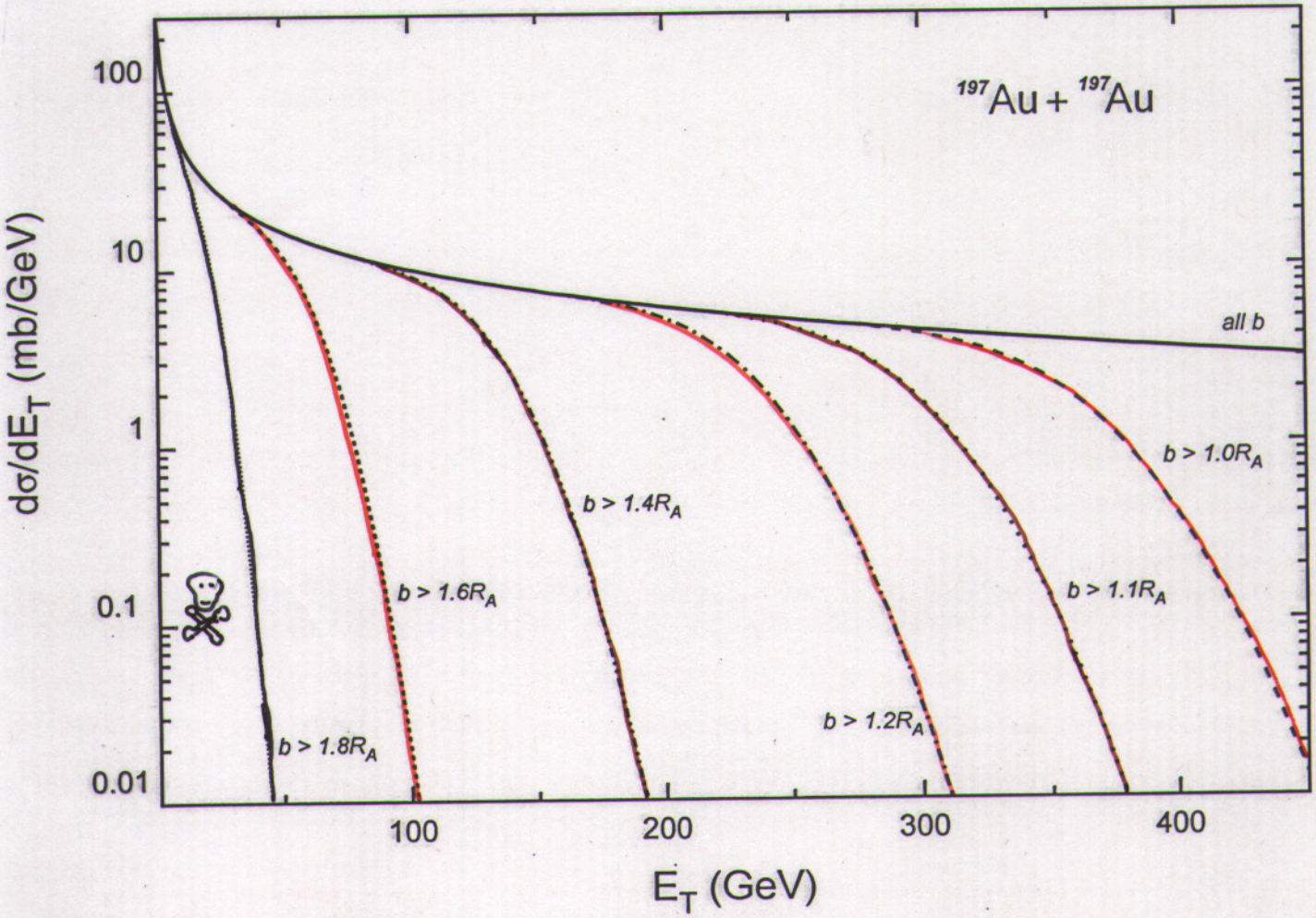Peripheral Collisions Good Testing Ground for Spatial Dependence