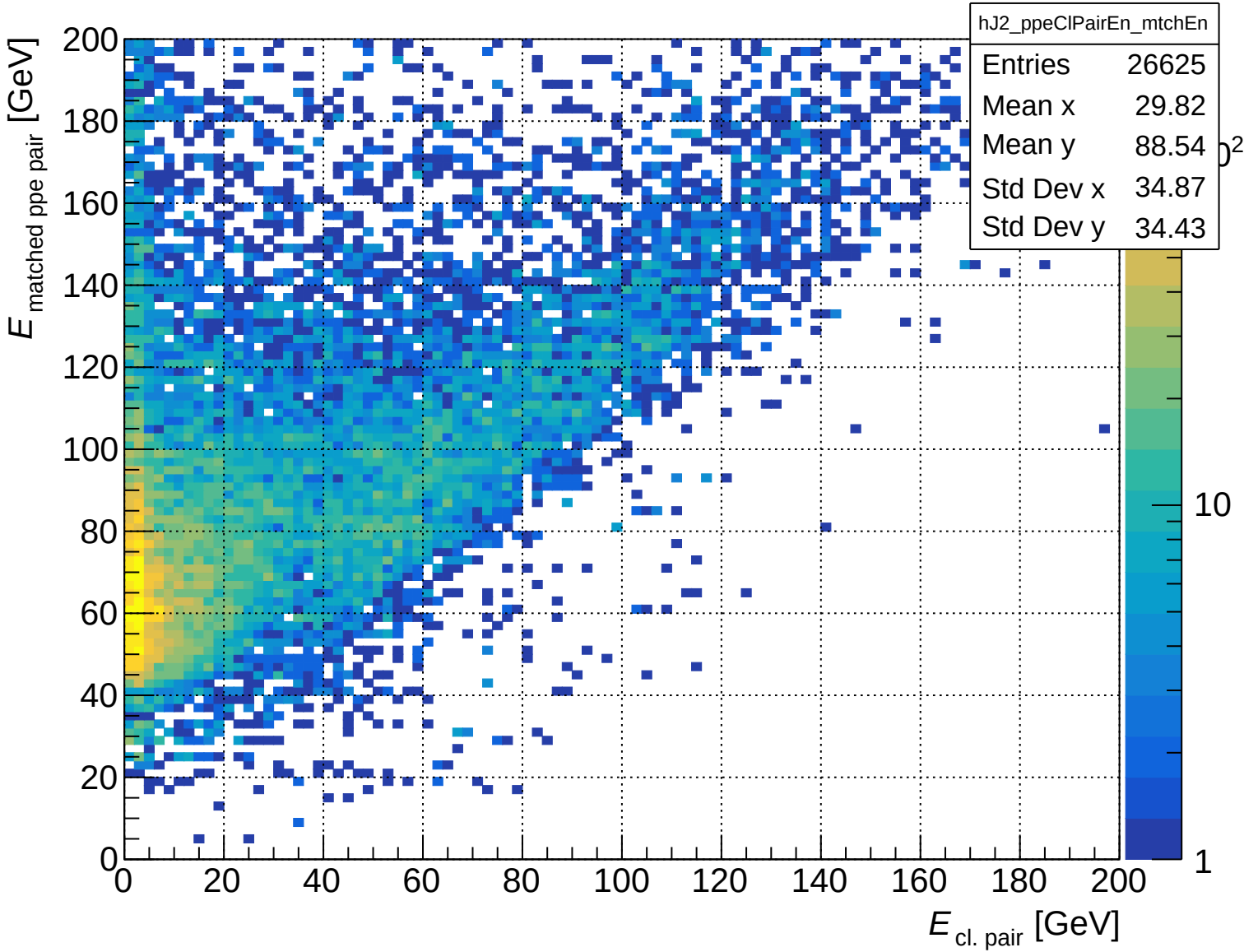energy of a cluster pair matched with a pair of pp electrons vs energy of ppe pair