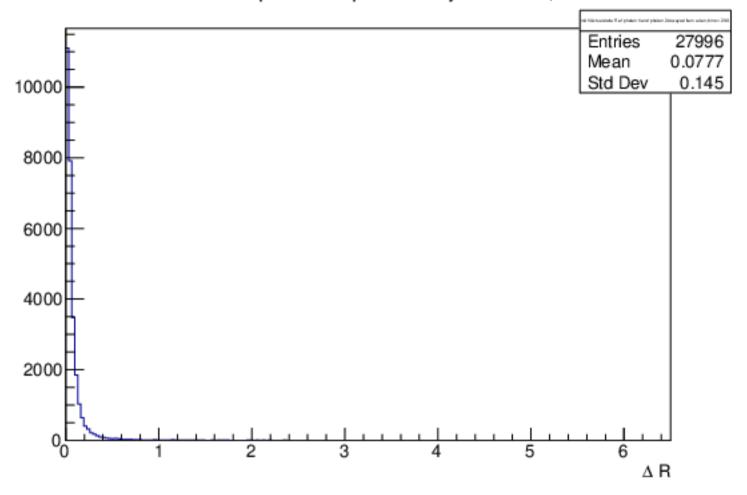
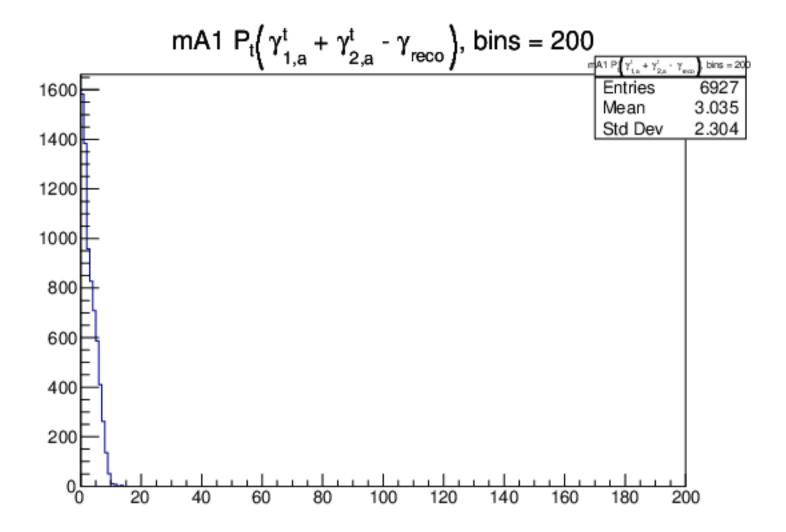
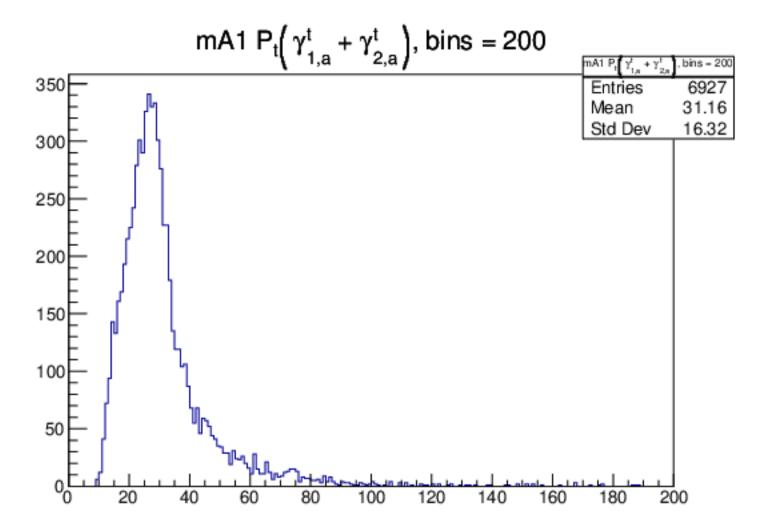
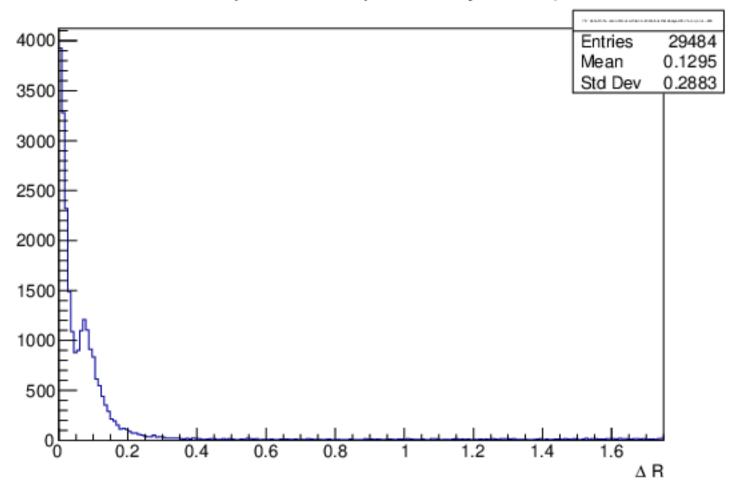
mA1 Actual delta R of photon 1 and photon 2 decayed from axion, bins = 200

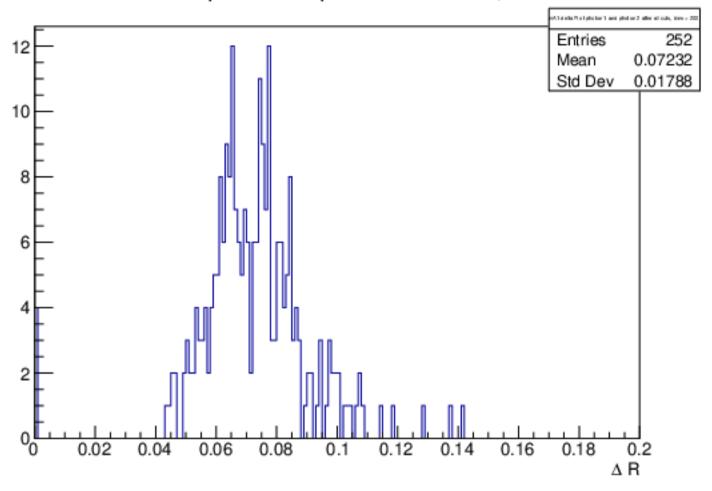




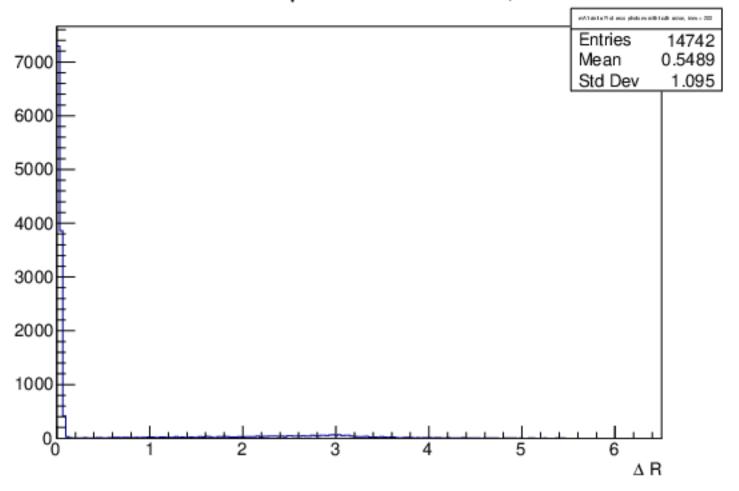


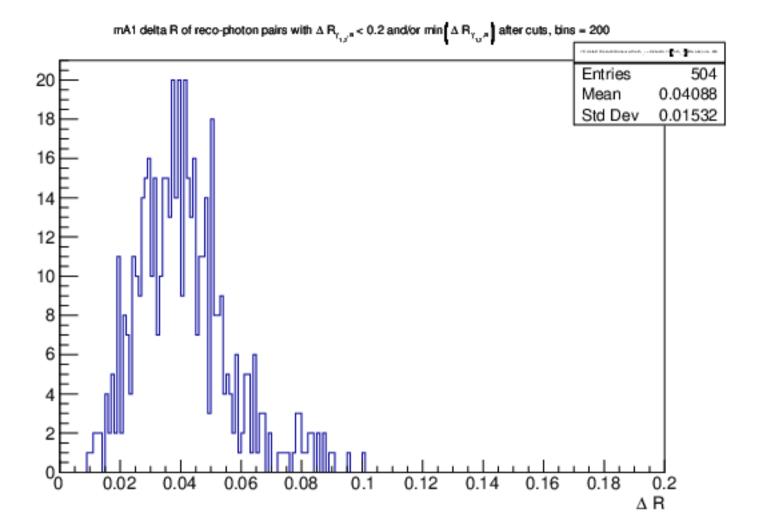


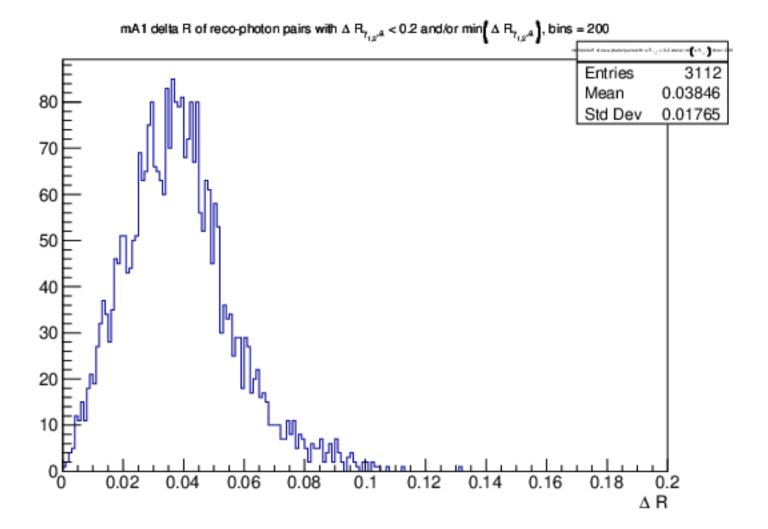
mA1 delta R of photon 1 and photon 2 after all cuts, bins = 200



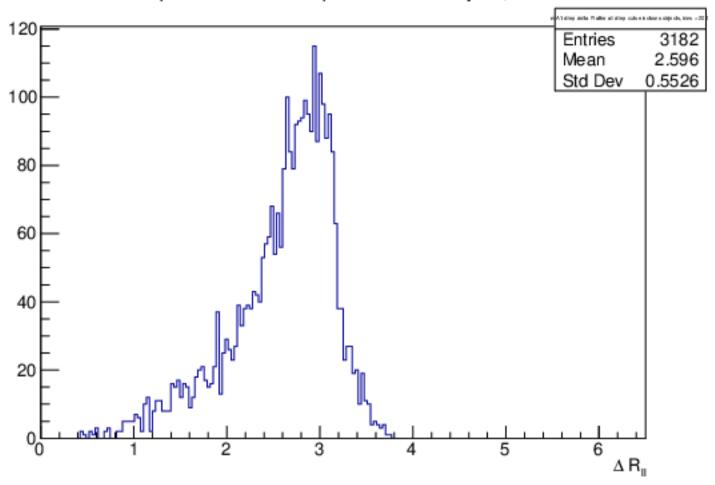
mA1 delta R of reco photons with truth axion, bins = 200



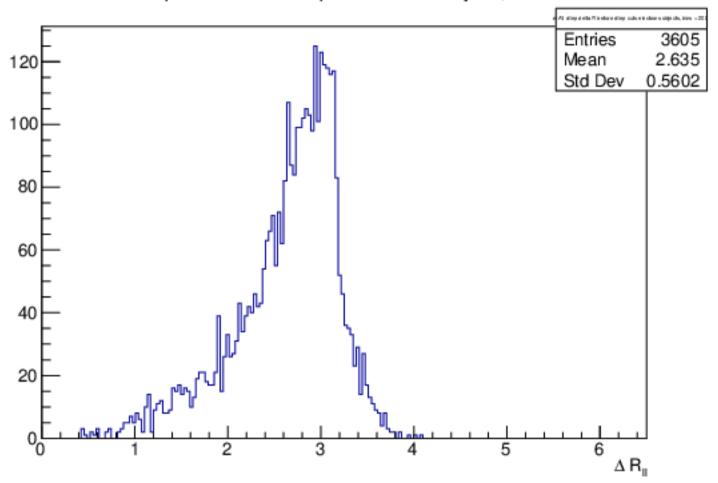




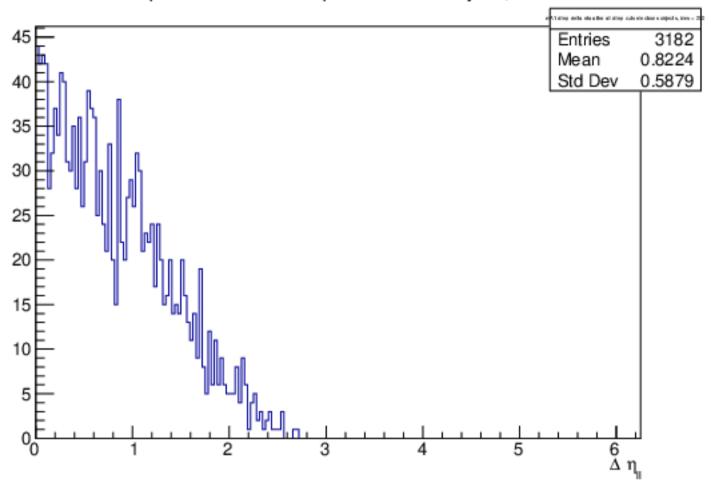
mA1 dilep delta R after all dilep cuts electrons objects, bins = 200



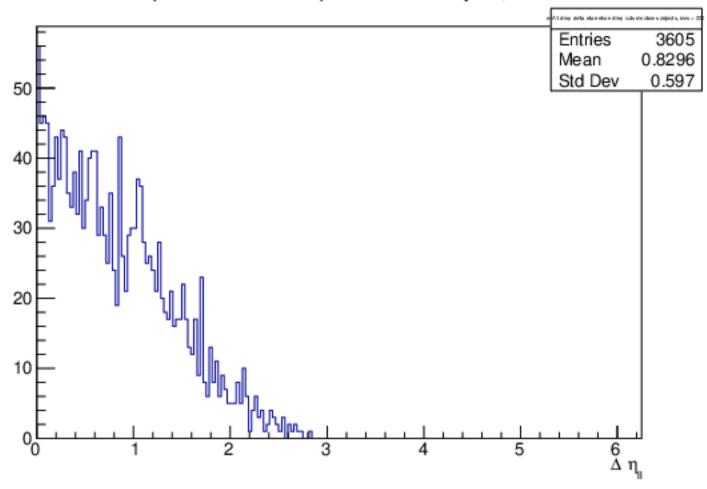
mA1 dilep delta R before dilep cuts electrons objects, bins = 200



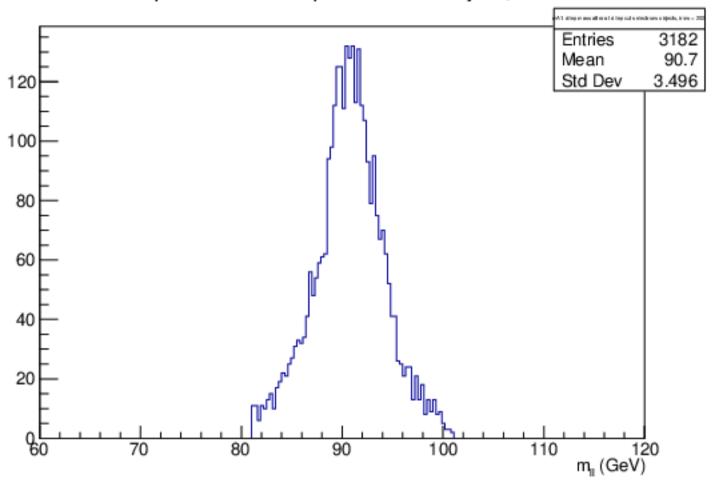
mA1 dilep delta eta after all dilep cuts electrons objects, bins = 200



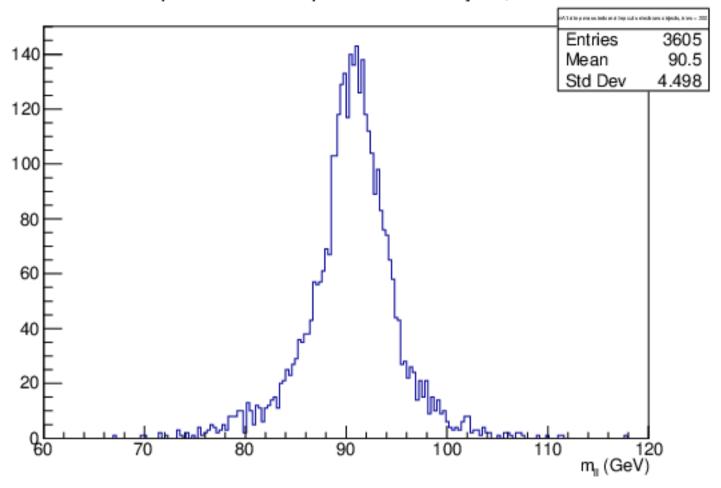
mA1 dilep delta eta before dilep cuts electrons objects, bins = 200



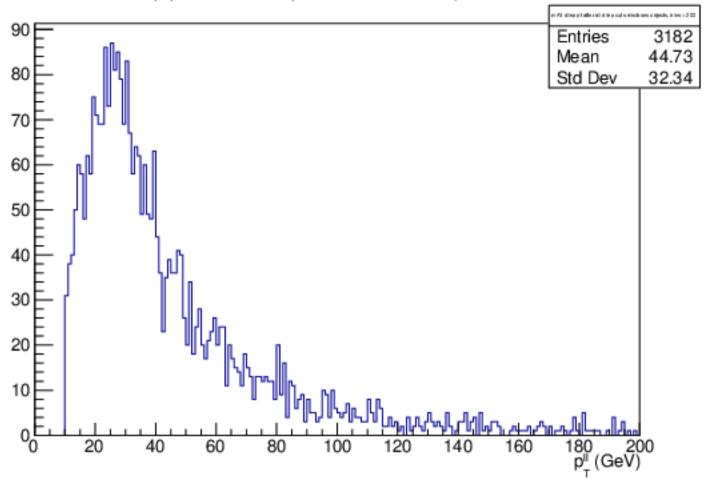
mA1 dilep mass after all dilep cuts electrons objects, bins = 200



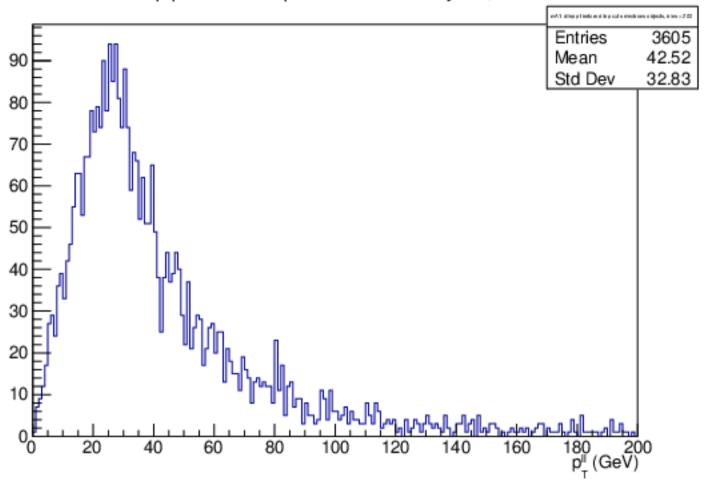
mA1 dilep mass before dilep cuts electrons objects, bins = 200



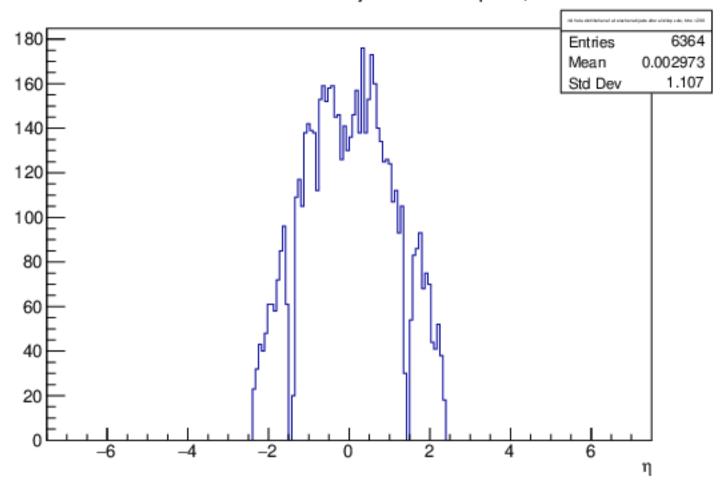
mA1 dilep pt after all dilep cuts electrons objects, bins = 200



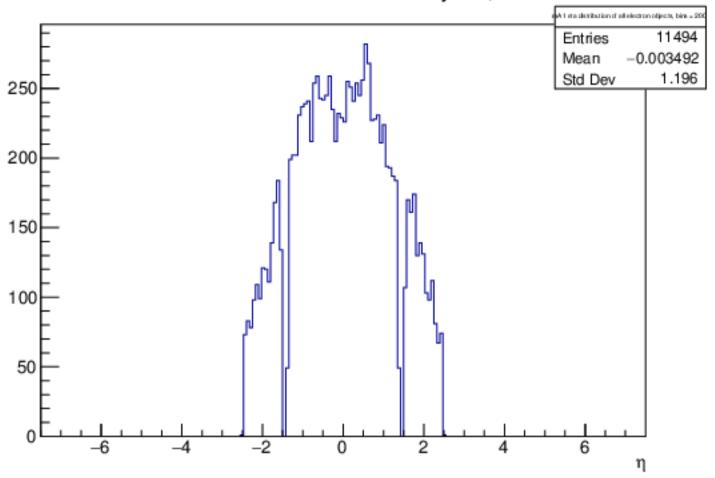
mA1 dilep pt before dilep cuts electrons objects, bins = 200



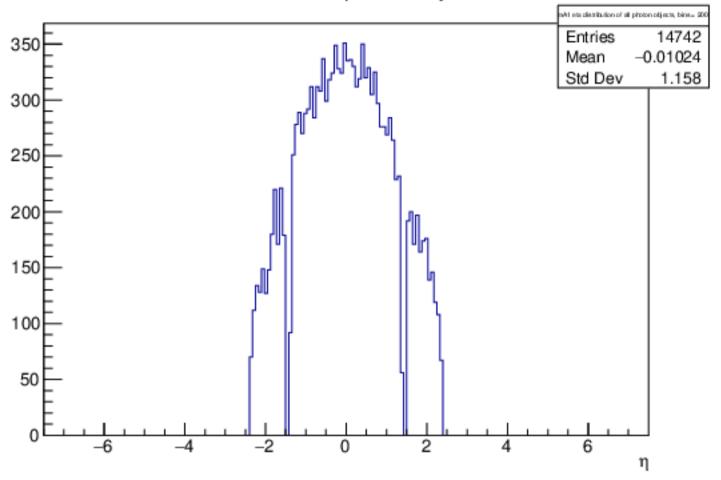
mA1 eta distribution of all electron objects after all dilep cuts, bins = 200



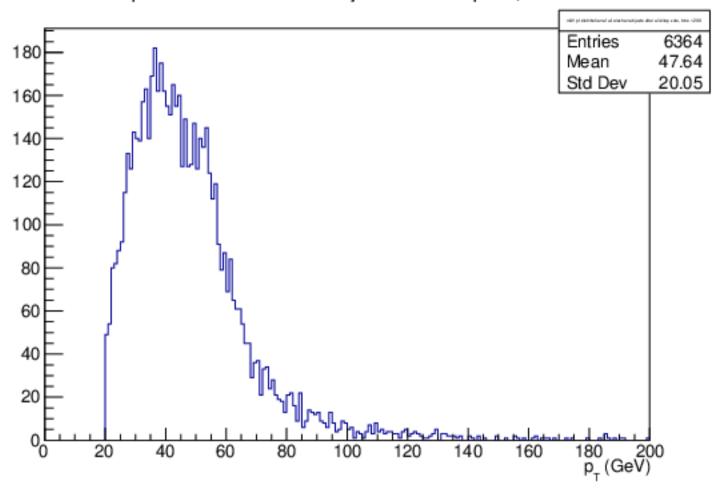
mA1 eta distribution of all electron objects, bins = 200



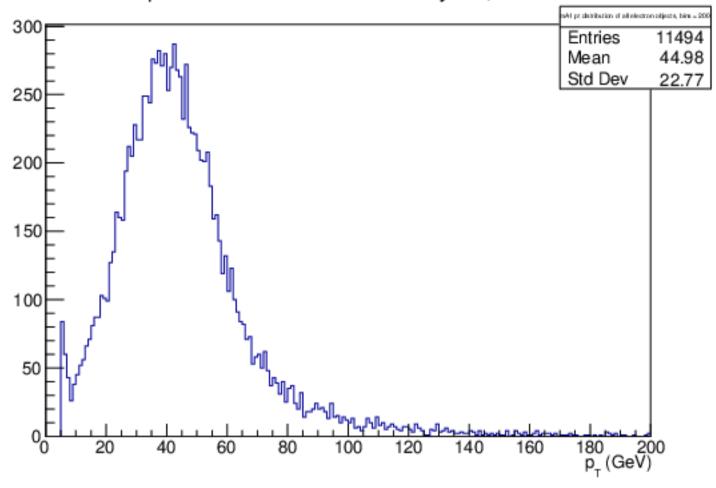
mA1 eta distribution of all photon objects, bins = 200



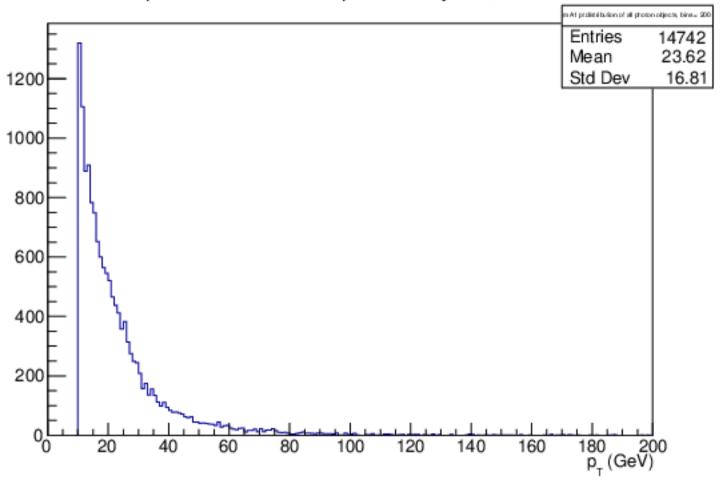
mA1 pt distribution of all electron objects after all dilep cuts, bins = 200



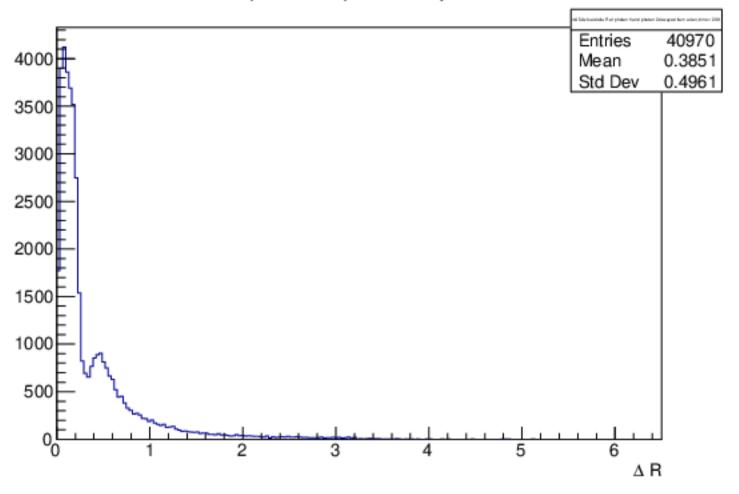
mA1 pt distribution of all electron objects, bins = 200

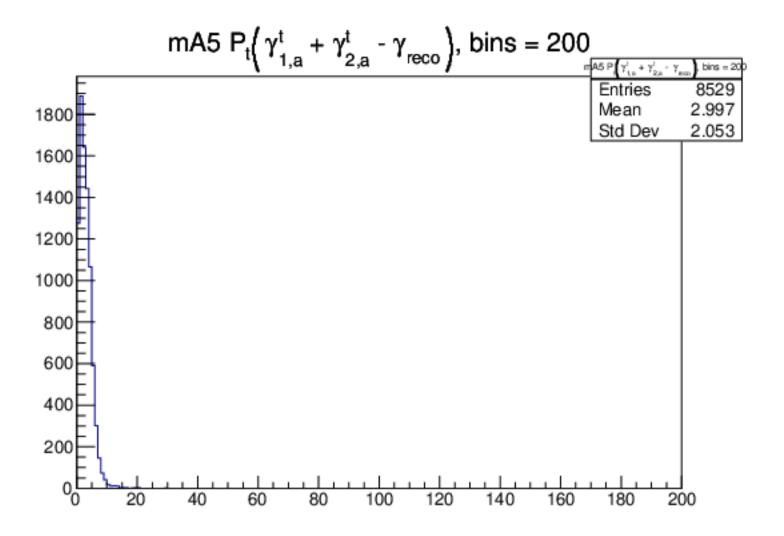


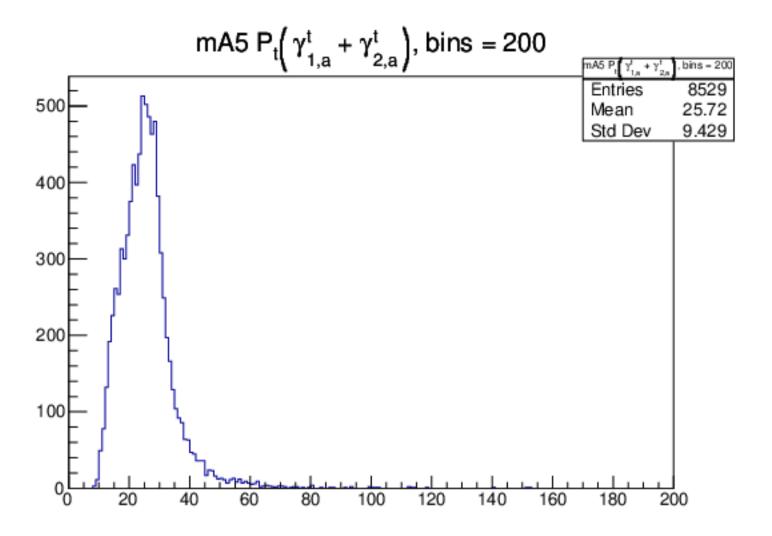
mA1 pt distribution of all photon objects, bins = 200

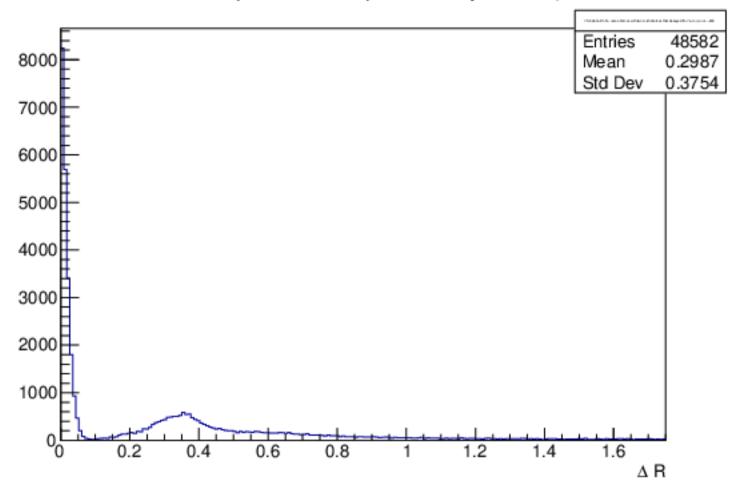


mA5 Actual delta R of photon 1 and photon 2 decayed from axion, bins = 200

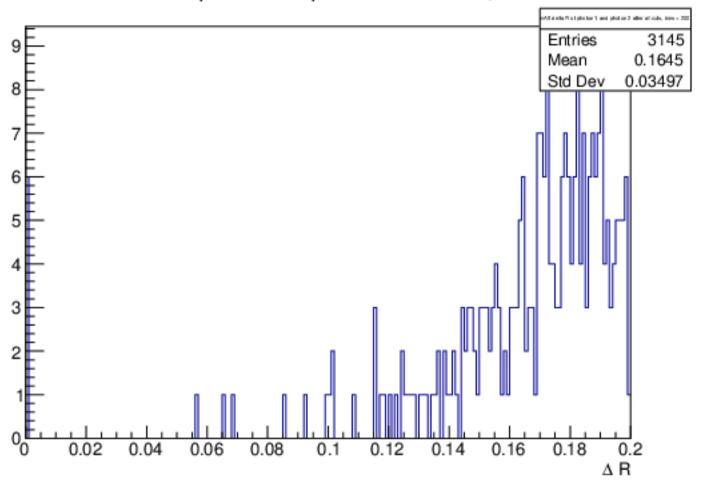




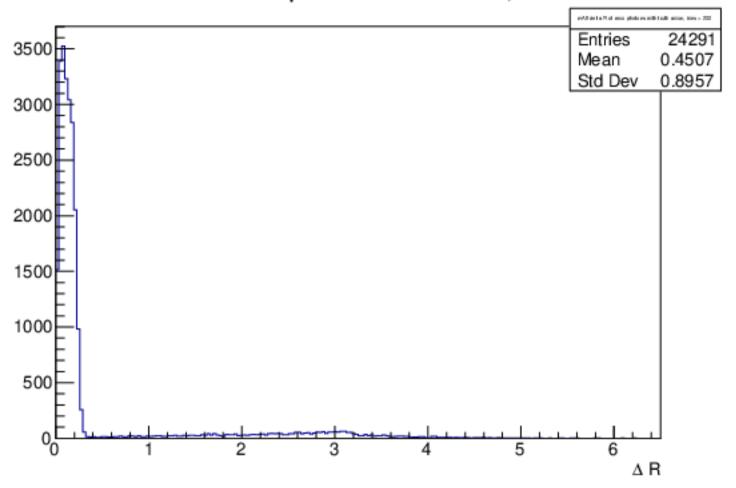


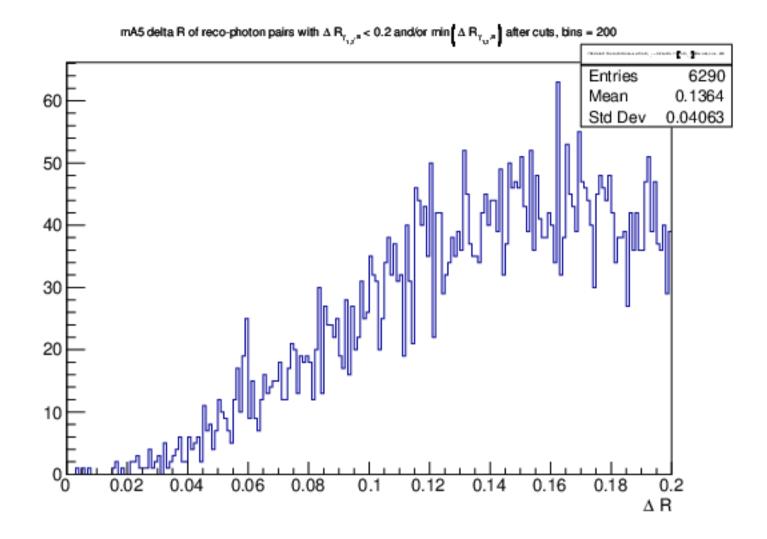


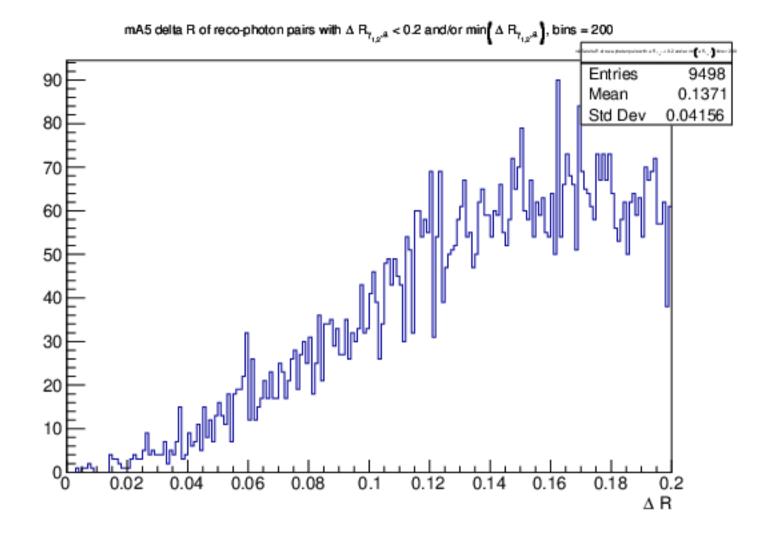
mA5 delta R of photon 1 and photon 2 after all cuts, bins = 200



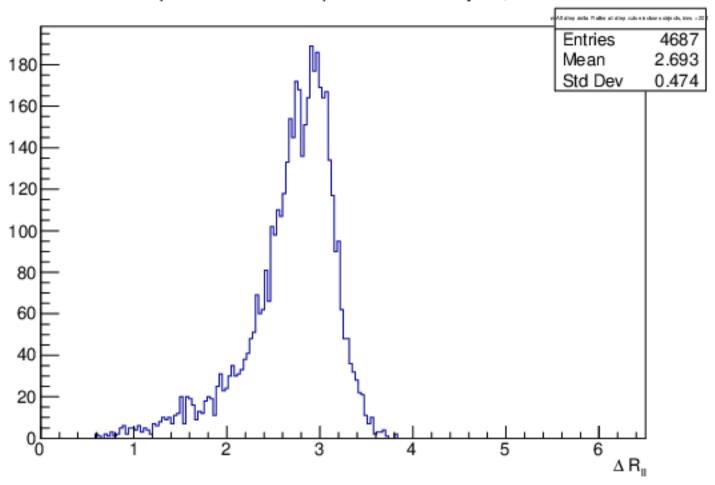
mA5 delta R of reco photons with truth axion, bins = 200



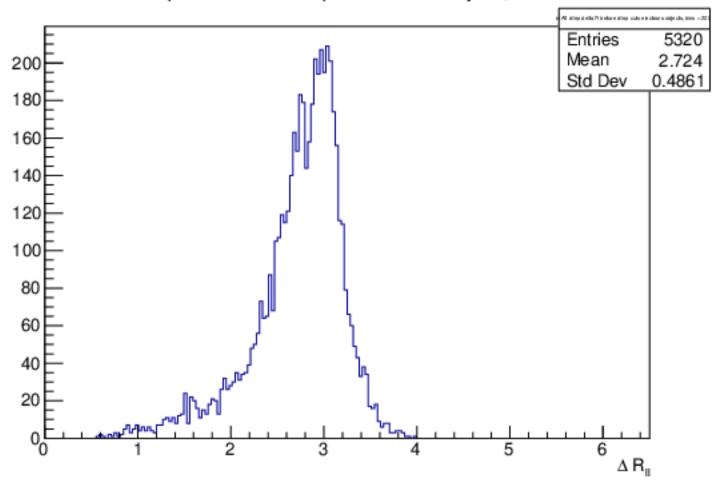




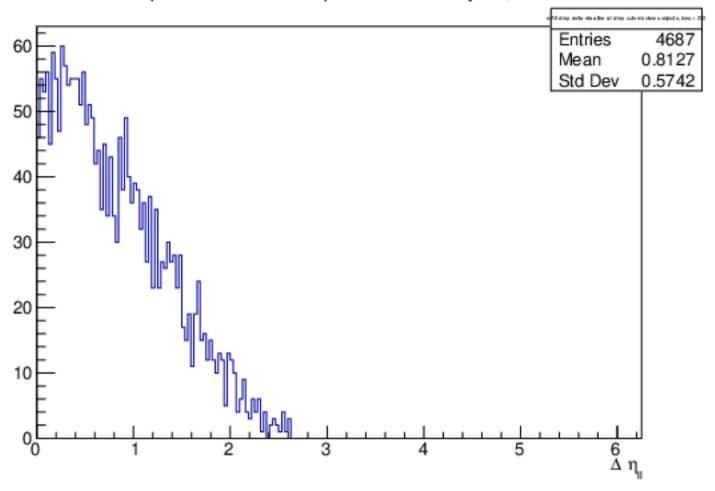
mA5 dilep delta R after all dilep cuts electrons objects, bins = 200



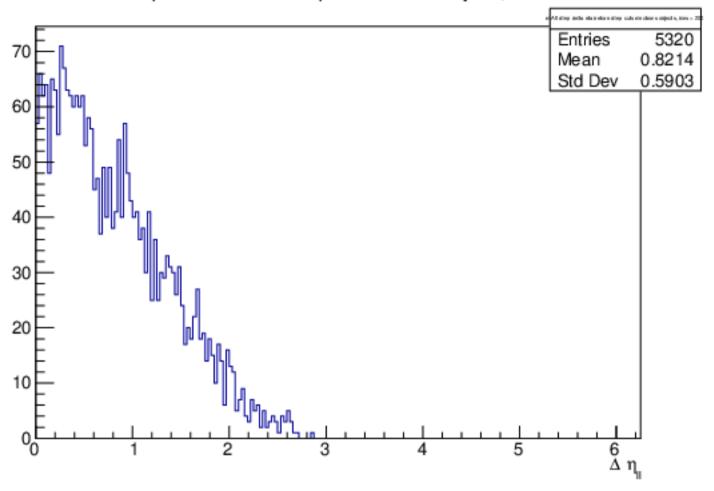
mA5 dilep delta R before dilep cuts electrons objects, bins = 200



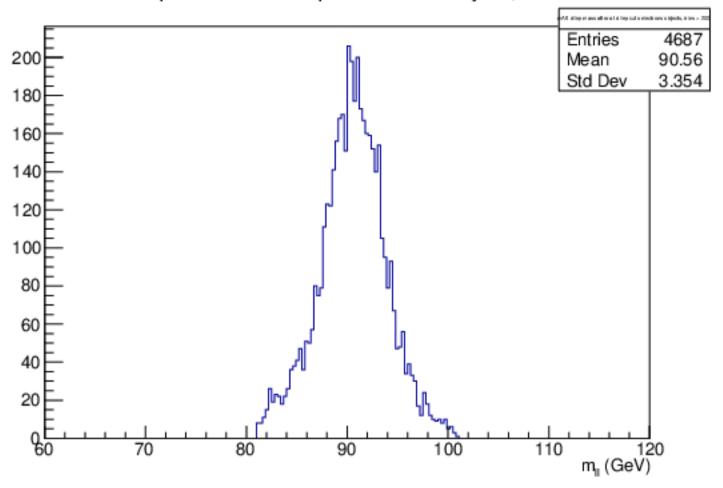
mA5 dilep delta eta after all dilep cuts electrons objects, bins = 200



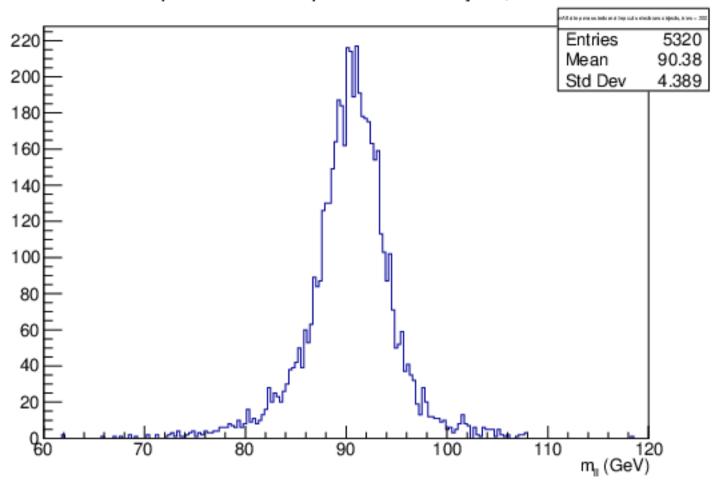
mA5 dilep delta eta before dilep cuts electrons objects, bins = 200



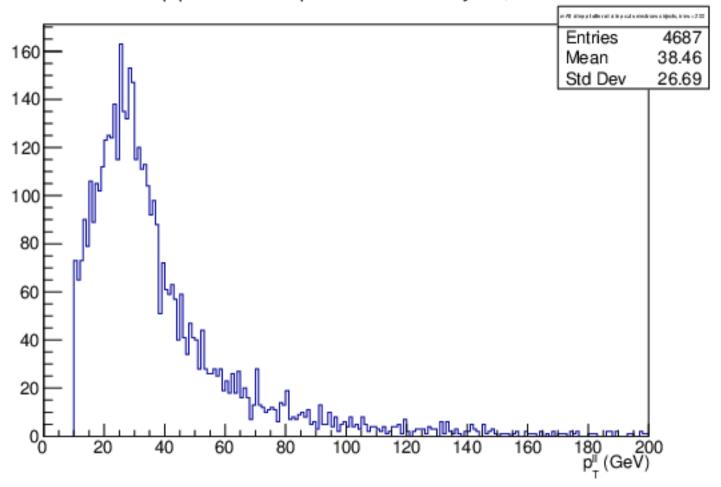
mA5 dilep mass after all dilep cuts electrons objects, bins = 200



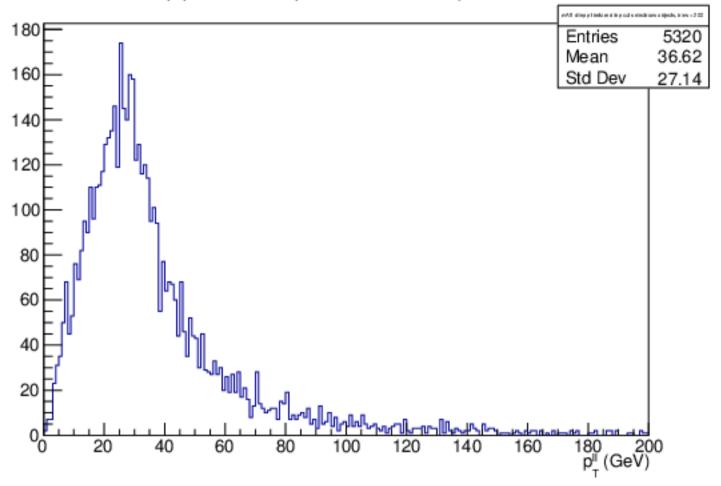
mA5 dilep mass before dilep cuts electrons objects, bins = 200



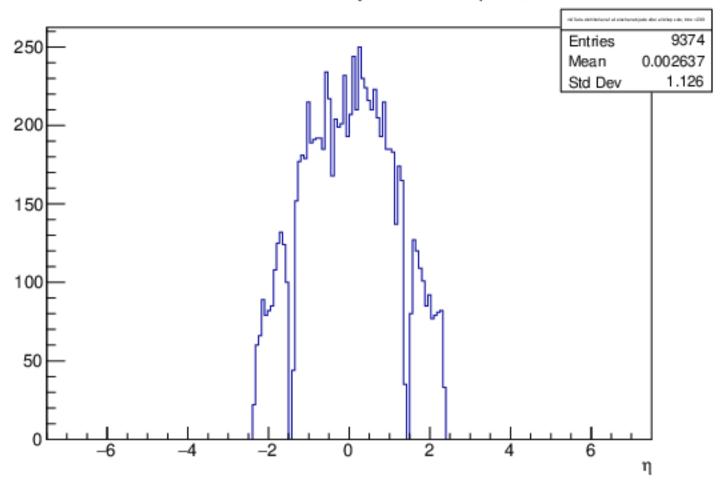
mA5 dilep pt after all dilep cuts electrons objects, bins = 200



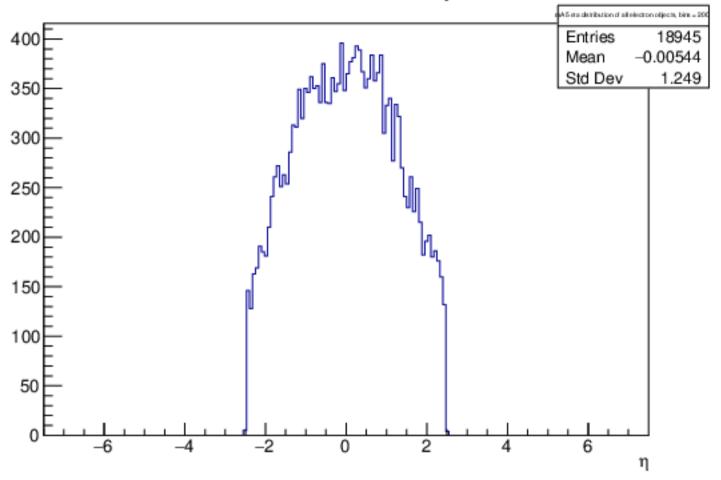
mA5 dilep pt before dilep cuts electrons objects, bins = 200



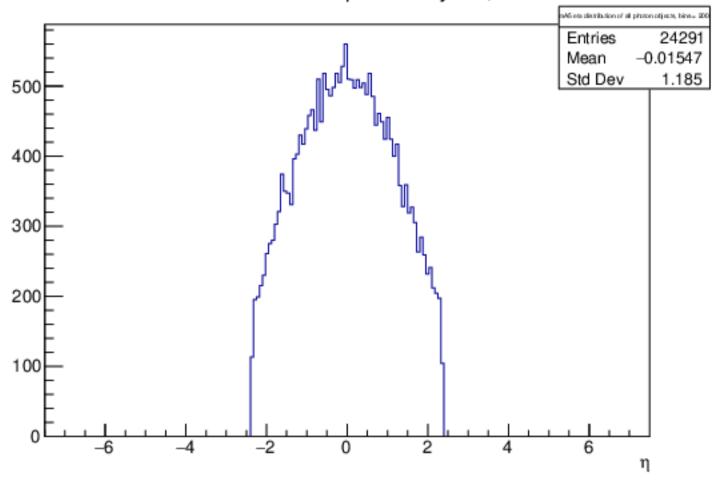
mA5 eta distribution of all electron objects after all dilep cuts, bins = 200



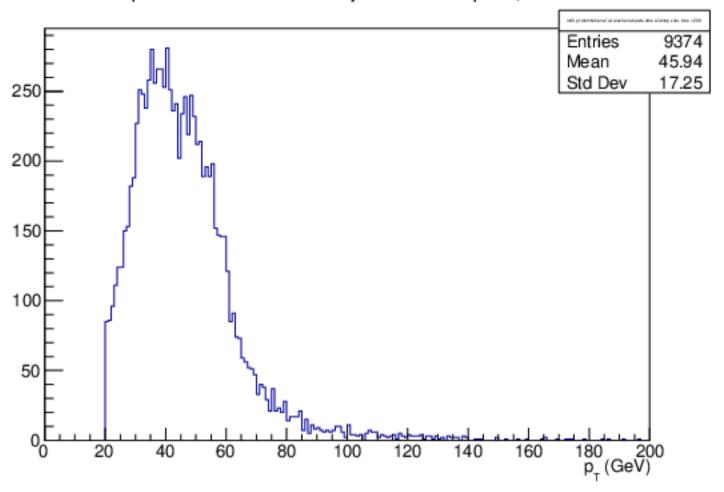
mA5 eta distribution of all electron objects, bins = 200



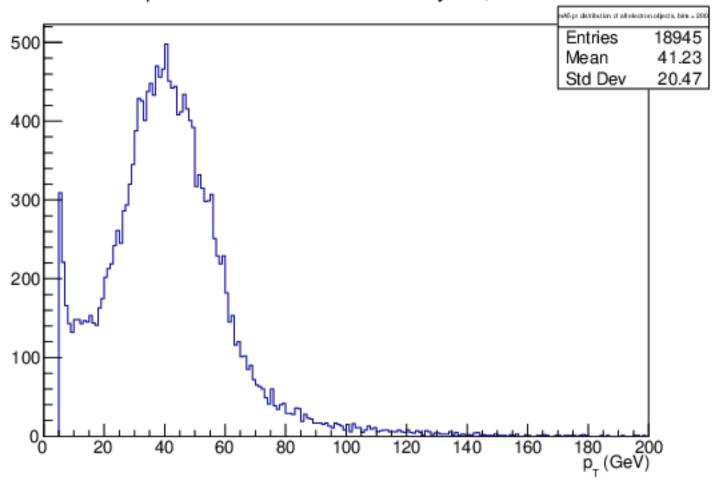
mA5 eta distribution of all photon objects, bins = 200



mA5 pt distribution of all electron objects after all dilep cuts, bins = 200



mA5 pt distribution of all electron objects, bins = 200



mA5 pt distribution of all photon objects, bins = 200

