



Fig. 5.5: Energy resolution of showers in the LGD obtained from the analysis of the 2γ sample. Points represent the analysis of the η m^2 -resolution measurements when the contribution from the spatial resolution has been neglected. The solid line represents the fit to the η data with the standard energy resolution model (Eq. 5.12). The dashed line represents the fit to the η data when the spatial contribution was taken into account according to Eq. 5.18. The dotted line corresponds to the simultaneous fit to the η and π^0 data with the same resolution function given by Eq. 5.18.