Response, resolution, linearity

David Ward

Run through plots intended for the LCWS ECAL note

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Event selection @ 3 GeV



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Event selection @ 20 GeV



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Hit energies – non-showering π^-



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Hit energies – 30 GeV e⁻



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The same – linear scale



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Effect of inter-wafer gaps (30 GeV e⁻)



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Fit to determine response+resolution



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8

Linearity (CERN data)



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Linearity DESY data

Linearity



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Resolution (CERN+DESY)



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Gap correction (global)

Plots from Cristina Carloganu; Clermont group





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Effect of gap correction



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Transverse profile

From G.Mavromanolakis



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