

# Cherenkov distribution at ground: examples

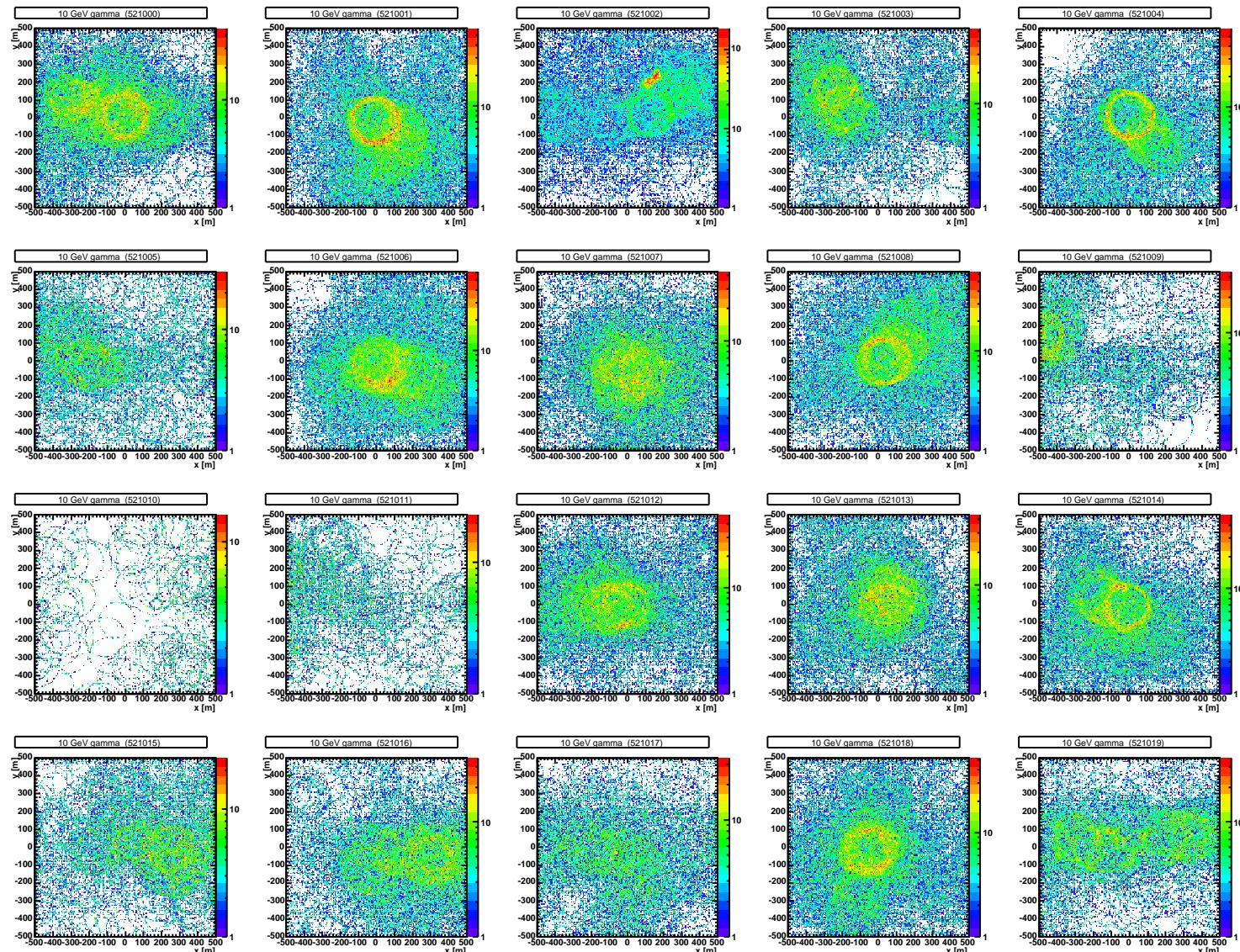
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**Gernot Maier**

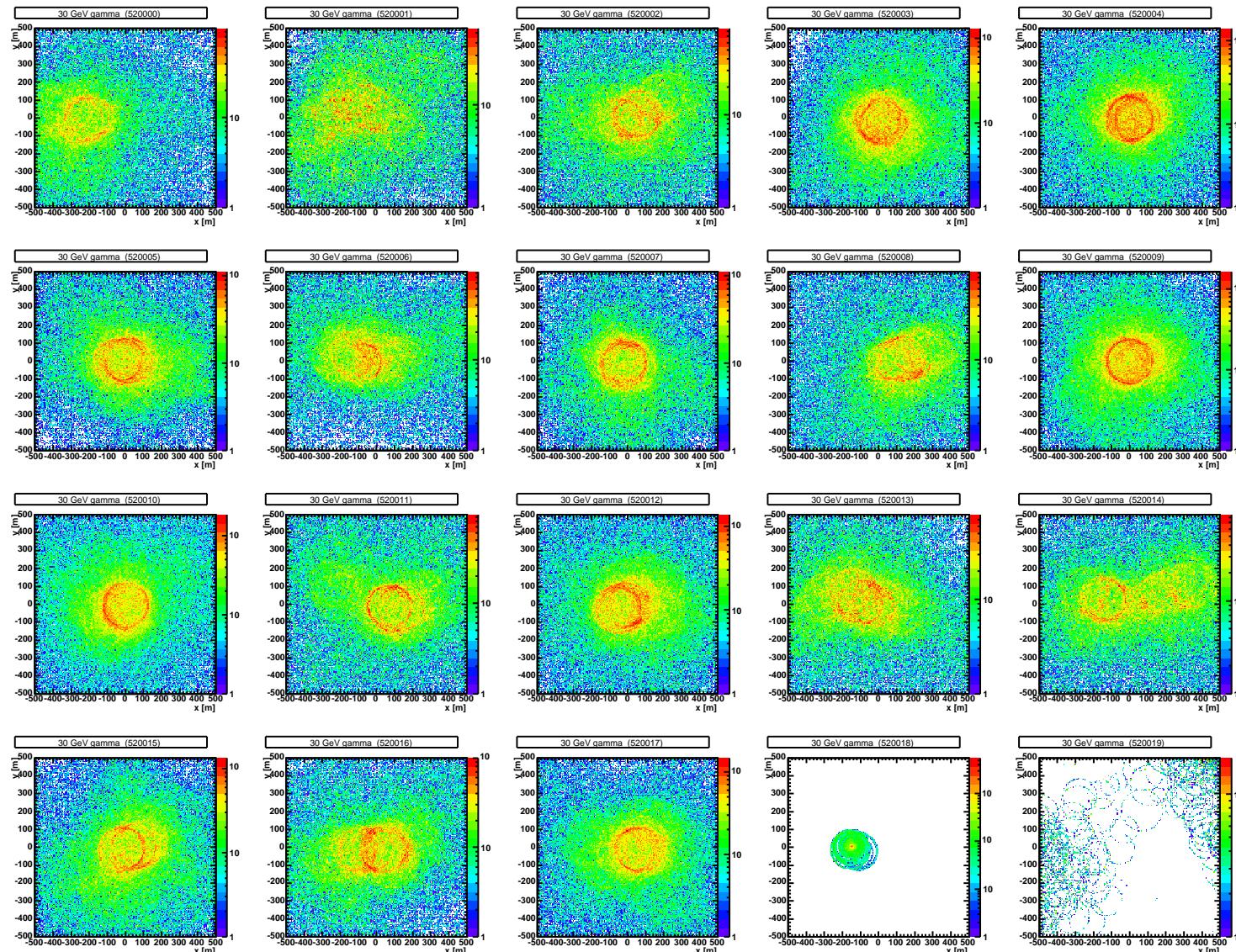
University of Leeds

- CORSIKA 6.200 with QGSJET01, FLUKA, EGS4
- observation level 1800m
- US standard atmosphere
- atmospheric attenuation
- vertical showers
- randomly selected individual showers

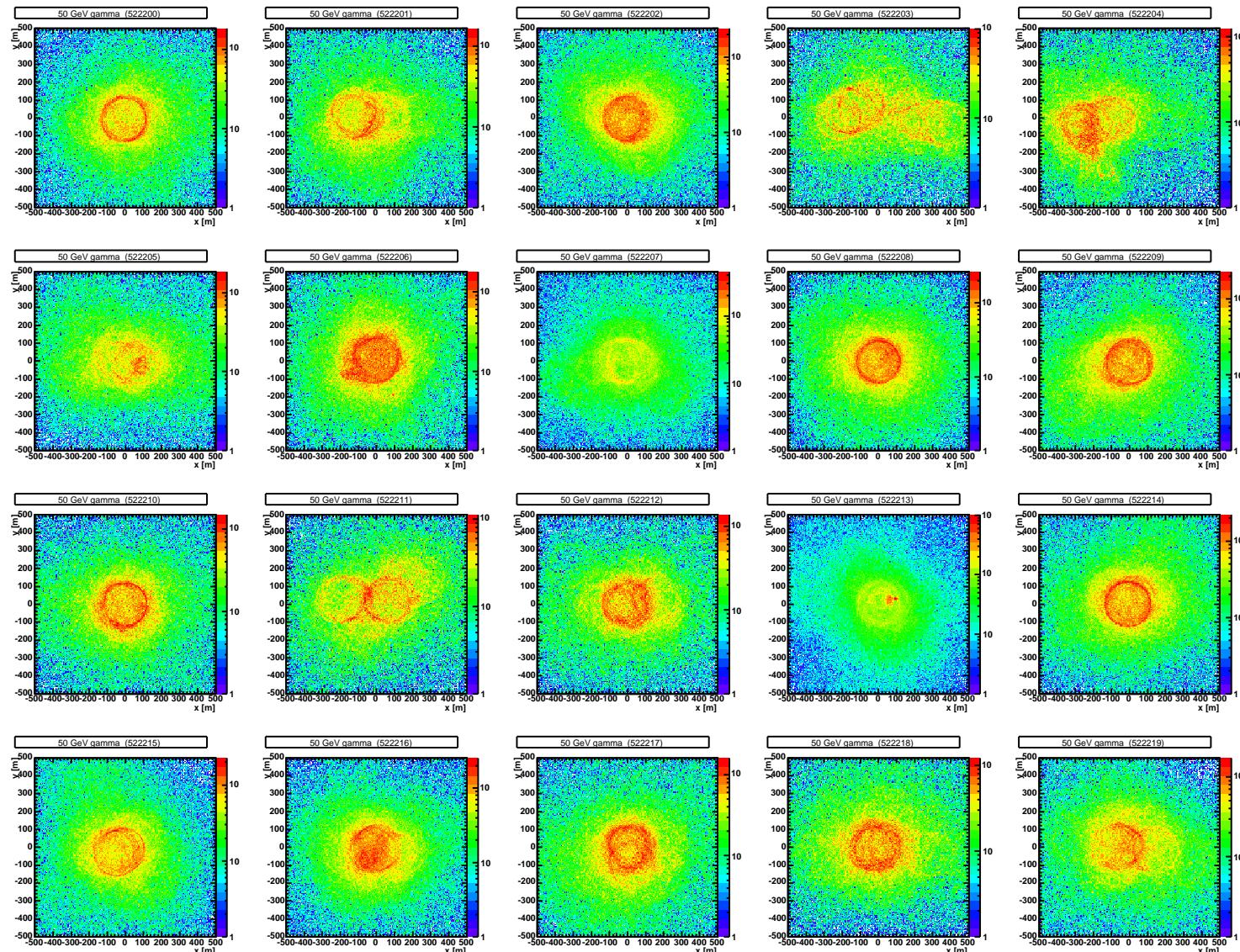
# Gamma 10 GeV



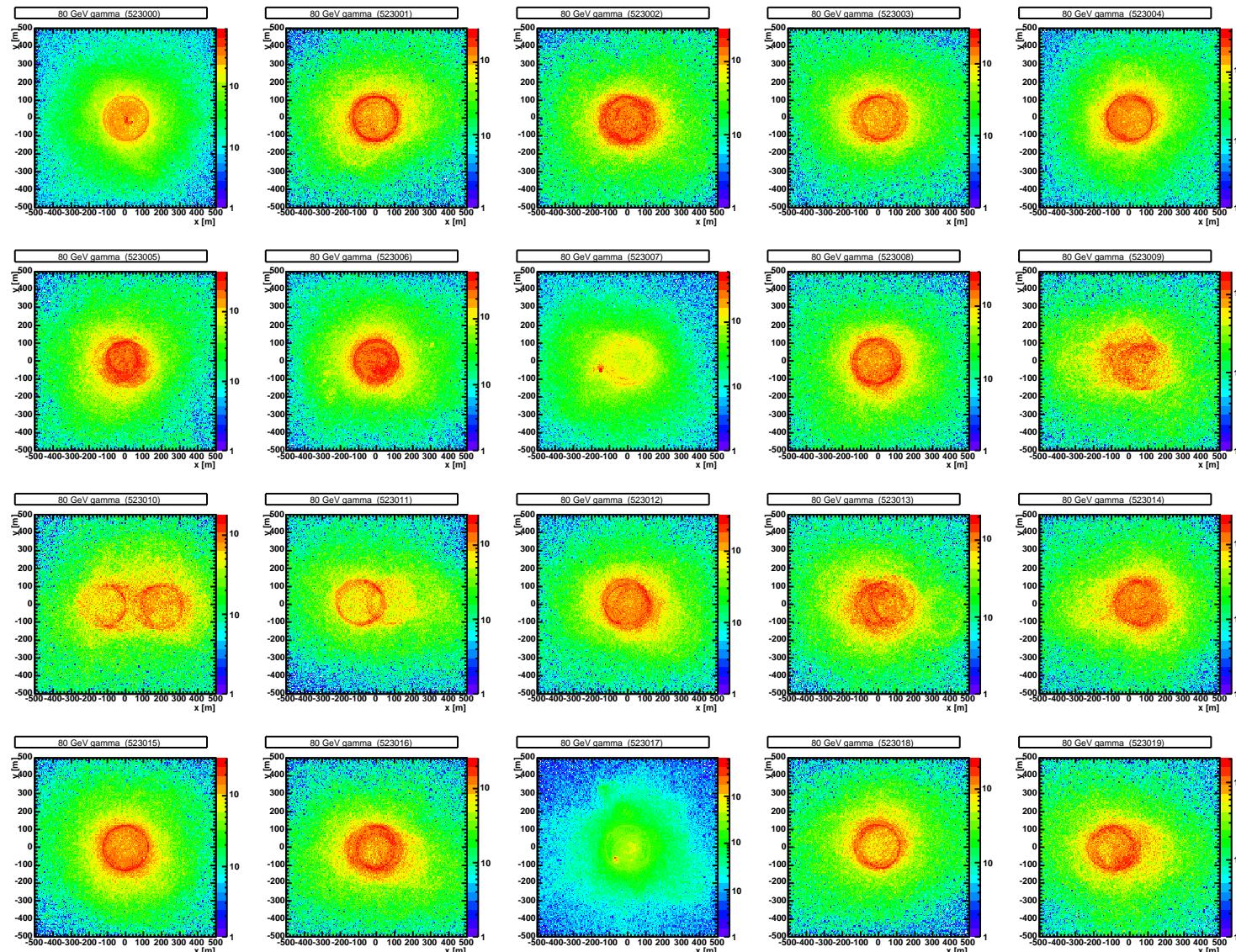
# Gamma 30 GeV



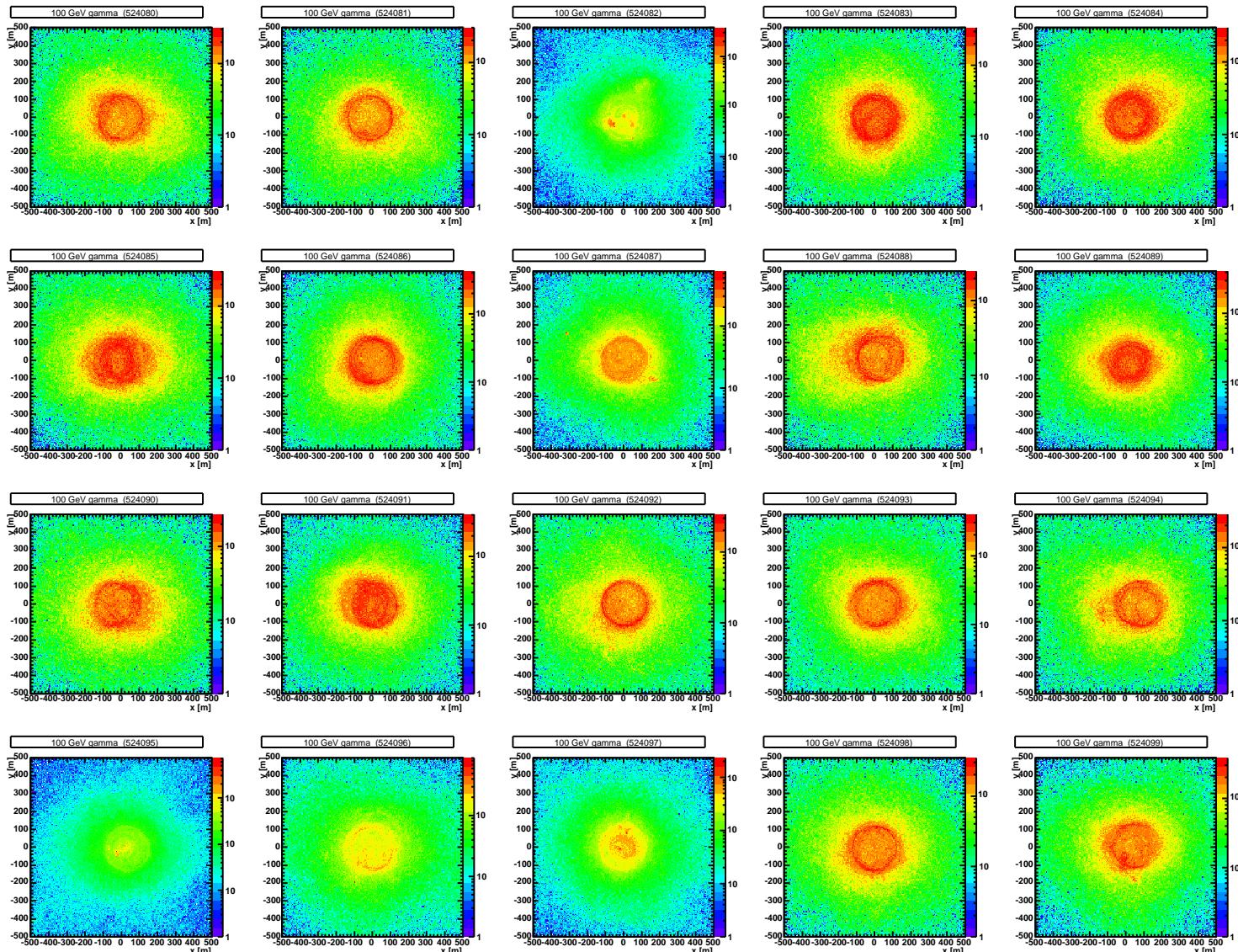
# Gamma 50 GeV



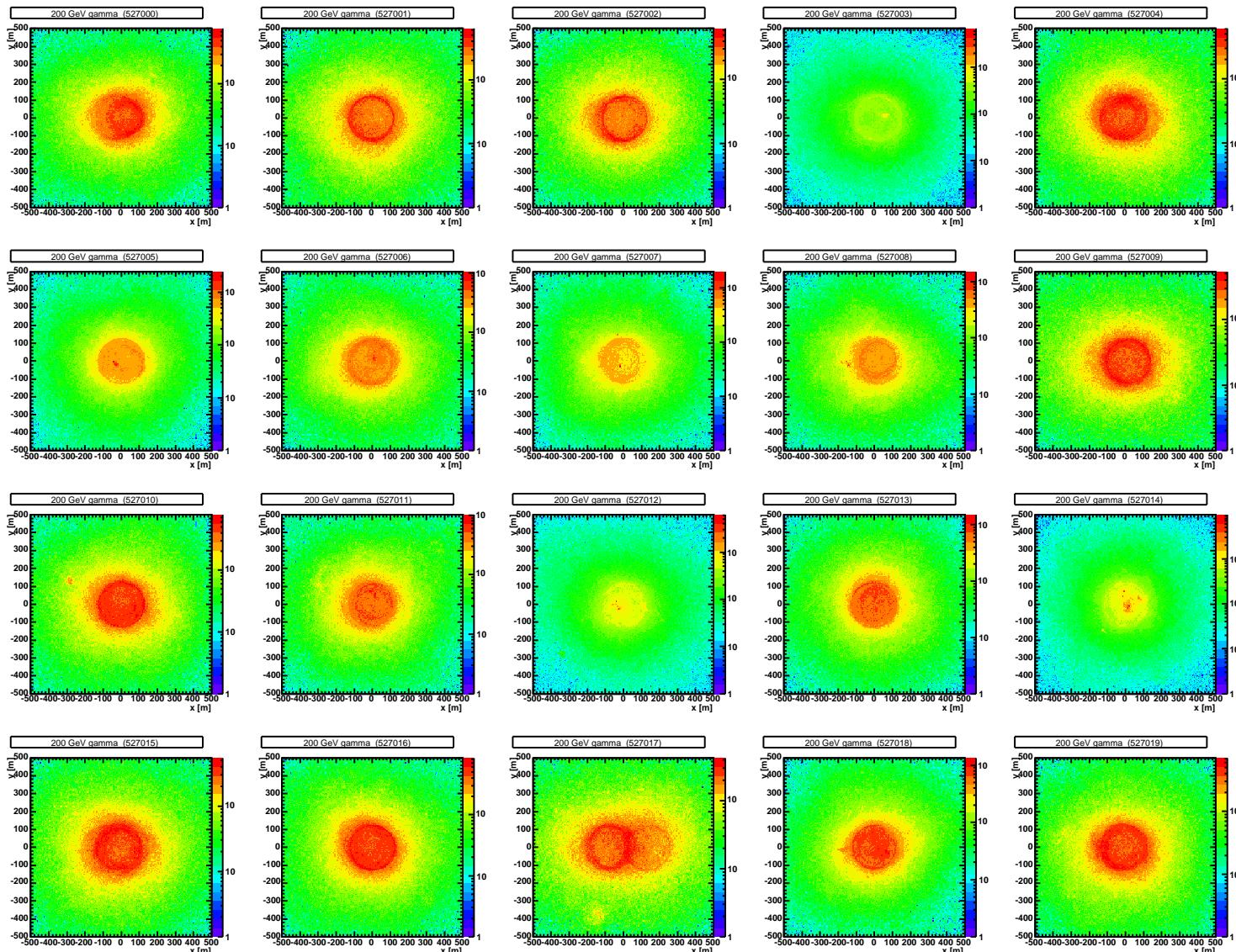
# Gamma 80 GeV



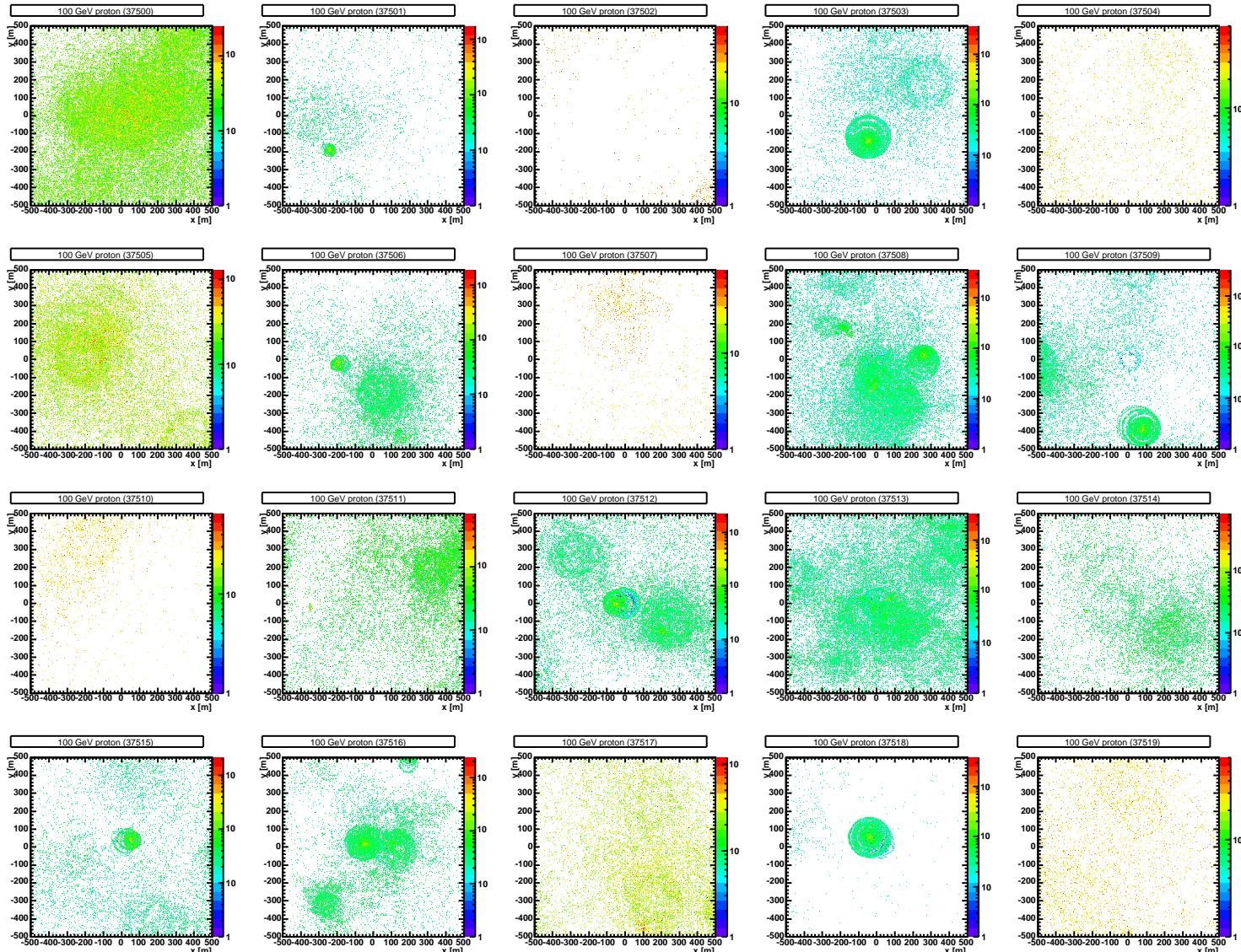
# Gamma 100 GeV



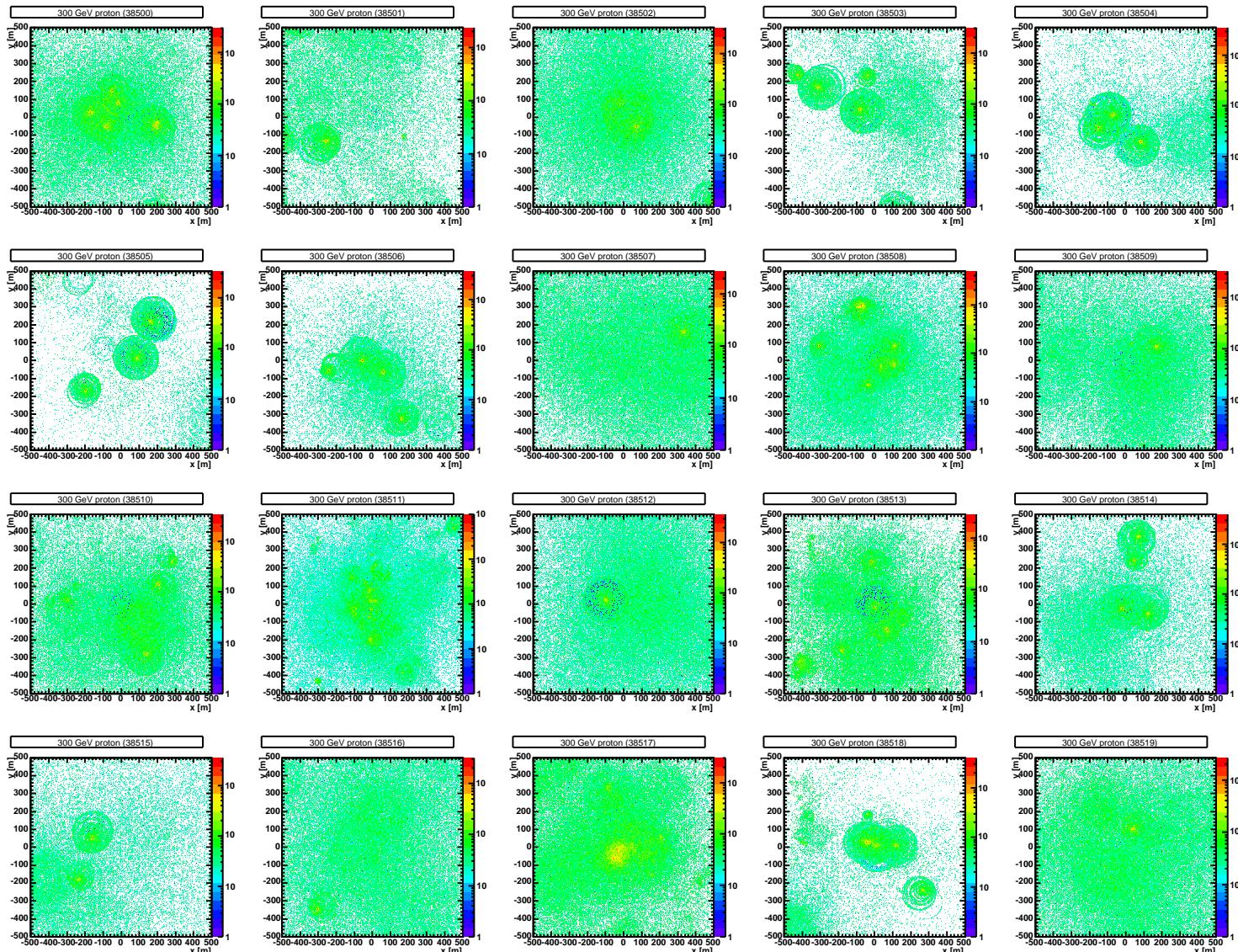
# Gamma 200 GeV



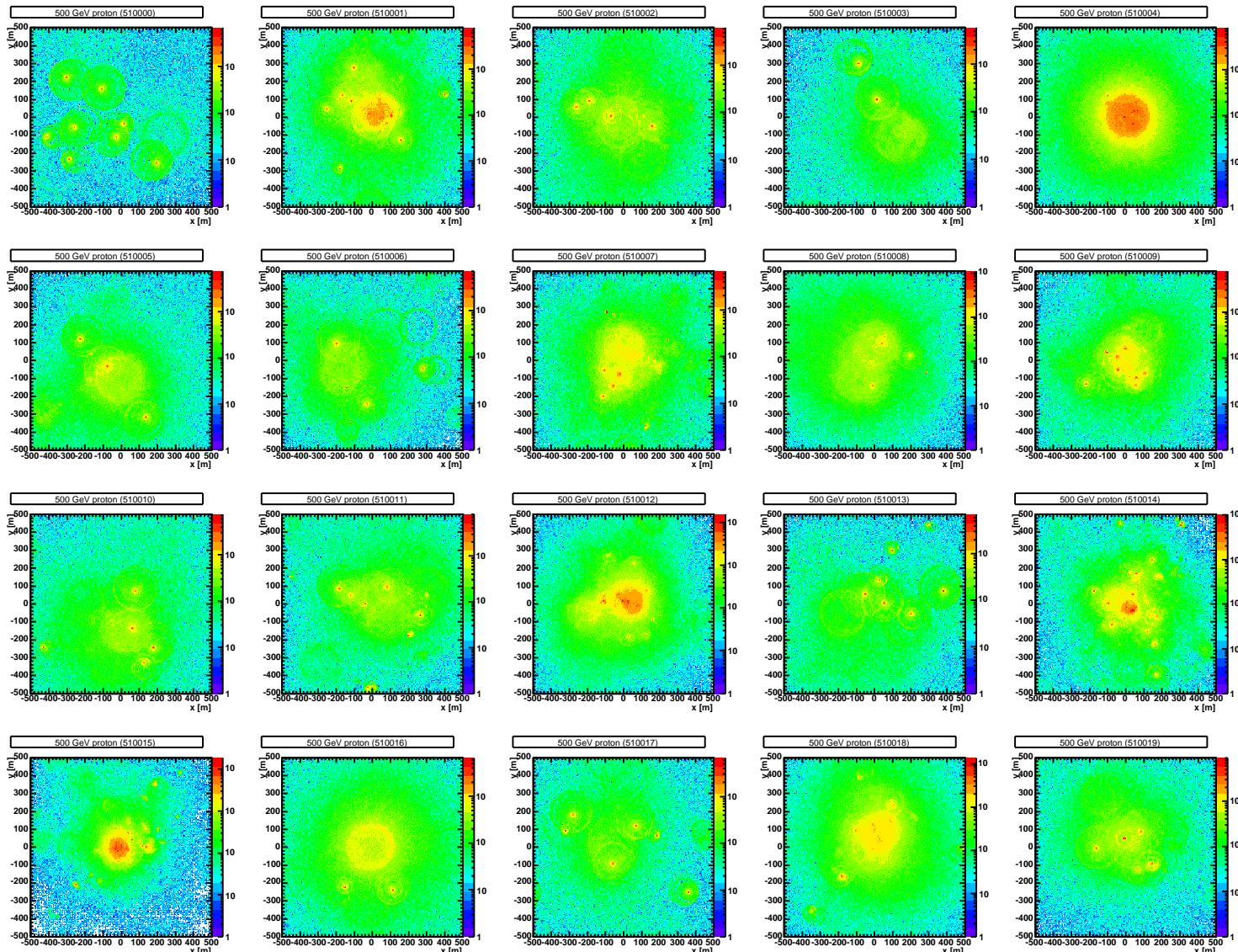
# Proton 100 GeV



# Proton 300 GeV



# Proton 500 GeV



# Proton 5000 GeV

