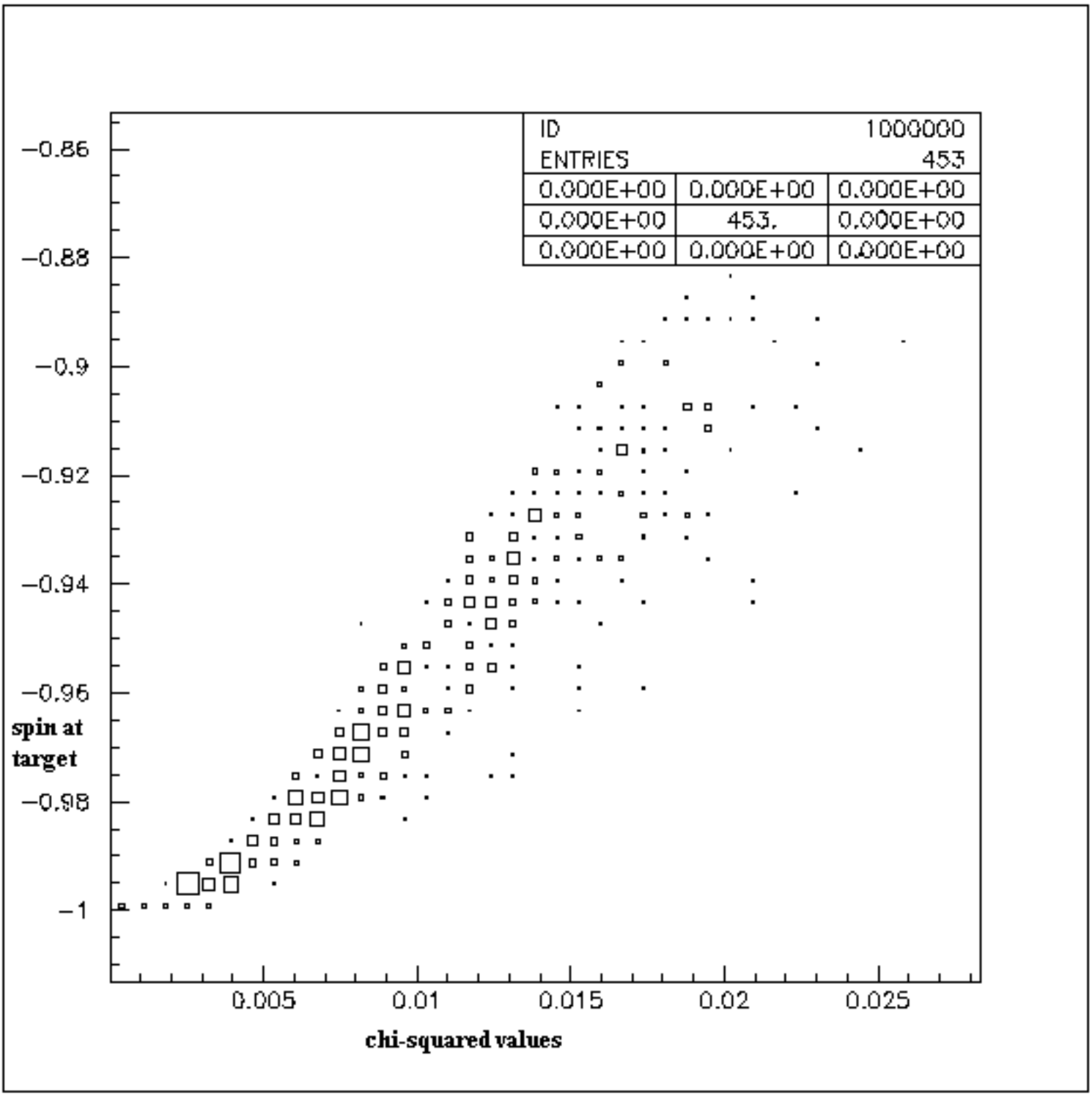

Figure 10: a plot of the muon polarization at the target versus the chi-squared values of the helix fit. Note that this plot was made under two special conditions: the multiple scattering in GEANT was turned off, and, the angles involved with the helix fit in the data were multiplied by ten (producing large helices). One thousand events in total were run, and 453 stopped in the target; the first nine drift chambers in the original detector were used to fit helices. A relationship between the muon polarization and chi-squared values is evident.