Changho Keem* (ckeem1@gmail.com), Department of Mathematics, College of Natural Sciences, Seoul National University, Seoul, 151-742, South Korea. 

Hilbert scheme of smooth curves of genus $g$ in $\mathbb{P}^3$ of degree $g - 1$. Preliminary report.

We denote by $\mathcal{H}_{d,g,r}$ the Hilbert scheme of smooth curves, which is the union of components whose general point corresponds to a smooth irreducible and non-degenerate curve of degree $d$ and genus $g$ in $\mathbb{P}^r$. In this preliminary report, we show that any non-empty $\mathcal{H}_{g-1,g,3}$ is irreducible and generically smooth for almost all genus $g$. We also discuss several sporadic cases where $\mathcal{H}_{g-1,g,3}$ become reducible. (Received August 06, 2017)