

$$\begin{array}{ccccccc}
 & & & 0 & & & \\
 & & & \curvearrowright & & & \\
 1 & \longrightarrow & I_{\mathfrak{P}} & \begin{array}{c} \longrightarrow \\ \longrightarrow \end{array} & G_{\mathfrak{P}} & \xrightarrow{\quad} & \mathrm{Gal}(\mathbb{k}(\mathfrak{P})/\mathbb{k}(\mathfrak{p})) \longrightarrow 1 \\
 & & & \searrow & \varphi & & \downarrow \\
 & & & & & & \mathrm{Gal}(\mathbb{k}(\mathfrak{P})/\mathbb{k}(\mathfrak{p} \cap \mathcal{O}_{T_{\mathfrak{P}}}))
 \end{array}$$