

$$\begin{array}{ccccccc}
 P_\beta & \xrightarrow{f_{\beta+1,\beta}} & P_{\beta+1} & \longrightarrow & \cdots & \longrightarrow & \varinjlim_{<\gamma}^{fil} P_\bullet & \xrightarrow{\theta_\gamma} & P_\gamma \\
 & \searrow p_\beta & & \searrow p_{\beta+1} & & & \nearrow p_\gamma & & \\
 & & & & & & M & &
 \end{array}$$