$$P(Y|\theta) = \prod_I N_N \left(y_I \Big| \sum_c a_{\cdot c} x_{cl}, \lambda_I^{-1} I_N \right)$$

$$N(a_{nc}|0,1) \qquad w_{cl} s_{cl} \qquad G(\lambda_I|u,v)$$

$$N\left(w_{cl}|0, \beta_c^{-1}\right) \qquad Bernoulli(s_{cl}|p_{cl})$$

$$G(\beta_c|e,f) \qquad \psi_{cl} \varphi_{cl}$$

$$Beta(\psi_{cl}|g,h) \qquad Bernoulli(\varphi_{cl}|\rho_c)$$

$$Beta(\rho_c|r,z)$$