$$\mathbf{N}^{\mathbf{prediction}}_{\mathbf{Z}(\nu\nu)+\mathbf{jets}} = \frac{\mathbf{R}^{\mathbf{obs}}_{\mathbf{Z}\to\ell^+\ell^-/\gamma}}{\mathbf{R}^{\mathbf{MC}}_{\mathbf{Z}\to\ell^+\ell^-/\gamma}} \cdot \frac{\mathbf{N}^{\mathbf{MC}}_{\mathbf{Z}\to\nu\bar{\nu}}}{\mathbf{N}^{\mathbf{MC}}_{\gamma}} \cdot (\beta^{\mathbf{EB}}_{\mathbf{purity}} \cdot \mathbf{N}^{\mathbf{data,EB}}_{\gamma} + \beta^{\mathbf{EE}}_{\mathbf{purity}} \cdot \mathbf{N}^{\mathbf{data,EE}}_{\gamma}) \cdot \frac{\mathbf{1}}{\mathbf{C_{data/MC}}}$$

$$\mathbf{N}^{\mathbf{prediction}}_{\mathbf{Z}(\nu\nu)+\mathbf{jets}} = \rho \cdot \frac{\sigma^{\mathbf{MC}}_{\mathbf{Z}\to\nu\bar{\nu}}}{\sigma^{\mathbf{MC}}_{\gamma}} \cdot \beta^{\gamma}_{\mathbf{purity}} \cdot \mathbf{N}^{\mathbf{data}}_{\gamma} \cdot \frac{\mathbf{1}}{\mathbf{C_{data/MC}}}$$