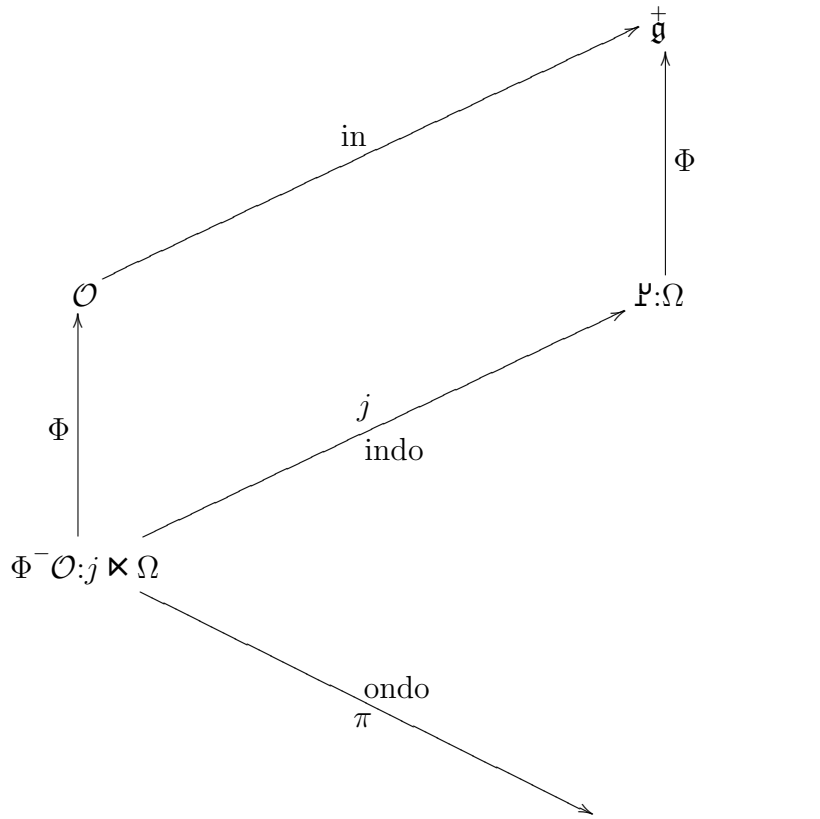

$$\underline{\Phi^{-}\mathcal{O}}^{\mathsf{h}} = \frac{\mathsf{L} \in \underline{\mathsf{T}}^{\mathsf{h}}}{\mathsf{L}_{\mathsf{h}}\underline{\Phi} \in {}_{\mathsf{h}}\Phi \rtimes \mathfrak{g}}$$

$$\underline{\mathcal{O}}_{\ell} = \ell \rtimes \mathfrak{g} \Longrightarrow \underline{\mathcal{O}}_{{}_{\mathsf{h}}\Phi} = {}_{\mathsf{h}}\Phi \rtimes \mathfrak{g}$$

$$\text{LHS} = \frac{\mathsf{L} \in \underline{\mathsf{T}}^{\mathsf{h}}}{\mathsf{L}_{\mathsf{h}}\underline{\Phi} \in \underline{\mathcal{O}}_{{}_{\mathsf{h}}\Phi}} = \text{RHS}$$

$$\underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} = \mathfrak{h} \rtimes \mathfrak{g} + {}_{\mathfrak{h}}\Omega|\widehat{\mathfrak{h} \ltimes \mathfrak{g}}$$

$$\underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} = \mathfrak{h} \rtimes \mathfrak{g} + |_{\mathfrak{h}^{-}}\Phi$$

$$\supset: \quad \mathfrak{L} \in |_{\mathfrak{h}^{-}}\Phi \Rightarrow \widehat{\mathfrak{h} \rtimes \gamma + \mathfrak{L}}\,{}_{\mathfrak{h}^{-}}\Phi = \widehat{\mathfrak{h} \rtimes \gamma}\,{}_{\mathfrak{h}^{-}}\Phi + \overbrace{\mathfrak{L}_{\mathfrak{h}^{-}}\Phi}^{=0} = \widehat{\mathfrak{h} \rtimes \gamma}\,{}_{\mathfrak{h}^{-}}\Phi = {}_{\mathfrak{h}}\Phi \rtimes \gamma \in {}_{\mathfrak{h}}\Phi \rtimes \mathfrak{g} \Rightarrow \mathfrak{h} \rtimes \gamma + \mathfrak{L} \in \underline{\Phi^{-}\mathcal{O}}_{\mathfrak{h}}$$

$$\subset: \quad \mathfrak{L} \in \underline{\Phi^{-}\mathcal{O}}_{\mathfrak{h}} \Rightarrow {}_{\mathfrak{h}}\Phi \rtimes \mathfrak{g} \ni \mathfrak{L}_{\mathfrak{h}^{-}}\Phi = {}_{\mathfrak{h}}\Phi \ltimes \gamma \Rightarrow \widehat{\mathfrak{L} - \mathfrak{h} \rtimes \gamma}\,{}_{\mathfrak{h}^{-}}\Phi = \mathfrak{L}_{\mathfrak{h}^{-}}\Phi - \widehat{\mathfrak{h} \rtimes \gamma}\,{}_{\mathfrak{h}^{-}}\Phi = \mathfrak{L}_{\mathfrak{h}^{-}}\Phi - {}_{\mathfrak{h}}\Phi \rtimes \gamma = 0$$

$$\Rightarrow \mathfrak{L} - \mathfrak{h} \rtimes \gamma \in \underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}}: \quad \mathfrak{L} = \widehat{\mathfrak{h} \rtimes \gamma} + \widehat{\mathfrak{L} - \mathfrak{h} \rtimes \gamma}$$

$$|_{\mathfrak{h}^{-}}\Phi = {}_{\mathfrak{h}}\Omega|\widehat{\mathfrak{h} \ltimes \mathfrak{g}}$$

${}_{\mathfrak{h}}\Omega|\underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} \sqsubset \underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}}$ co-isotrop

$$\mathfrak{L} \in {}_{\mathfrak{h}}\Omega|\underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} \Rightarrow \mathfrak{L}\,{}_{\mathfrak{h}}\Omega\,\underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} = 0 \Rightarrow \mathfrak{L}\,{}_{\mathfrak{h}}\Omega\,\widehat{\mathfrak{h} \rtimes \mathfrak{g}} = 0 \Rightarrow \mathfrak{L} \in {}_{\mathfrak{h}}\Omega|\widehat{\mathfrak{h} \ltimes \mathfrak{g}} \sqsubset \underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}}$$

${}_{\mathfrak{h}}\pi = \mathfrak{h} \rtimes G_{{}_{\mathfrak{h}}\Phi}$ leaf

$$|_{\mathfrak{h}^{-}}\pi = \mathfrak{h} \rtimes \mathfrak{g}_{{}_{\mathfrak{h}}\Phi} = \underline{\mathfrak{h} \rtimes G_{{}_{\mathfrak{h}}\Phi}}^{\mathfrak{h}} = \underline{\text{ leaf }}^{\mathfrak{h}}$$

$$|_{\mathfrak{h}^{-}}\pi = \underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} \cap {}_{\mathfrak{h}}\Omega|\underline{\Phi^{-}\mathcal{O}}^{\mathfrak{h}} = \widehat{\mathfrak{h} \rtimes \mathfrak{g}} \cap {}_{\mathfrak{h}}\Omega|\widehat{\mathfrak{h} \rtimes \mathfrak{g}}$$

$$\mathfrak{h} \rtimes \gamma \in |_{\mathfrak{h}^{-}}\pi \Leftrightarrow \mathfrak{h} \rtimes \gamma \in |_{\mathfrak{h}^{-}}\Phi \Leftrightarrow 0 = \widehat{\mathfrak{h} \rtimes \gamma}\,{}_{\mathfrak{h}^{-}}\Phi = {}_{\mathfrak{h}}\Phi \rtimes \gamma \Leftrightarrow \gamma \in \mathfrak{g}_{{}_{\mathfrak{h}}\Phi}$$

$$\overline{\Phi^{-}\mathcal{O}} = \Phi^{-}\mathcal{O}/G_{\mathcal{O}}$$

$$G_{\mathcal{O}} = G_{\ell}: \quad \ell = {}_{\mathfrak{h}}\Phi$$