

| Fundamental field | Symmetries | Decomposition into SO(3) irrep(s) | Source |
|------------------------------------|------------|---|------------------------------------|
| \mathcal{A}_α | (None) | $\mathcal{A}_{1^-}^{\#1}{}_\alpha + \mathcal{A}_{0^+}^{\#1} n_\alpha$ | \mathcal{J}_α |
| SO(3) irrep | Symmetries | Expansion in terms of the fundamental field | Source SO(3) irrep |
| $\mathcal{A}_{0^+}^{\#1}$ | (None) | $\mathcal{A}^\alpha n_\alpha$ | $\mathcal{J}_{0^+}^{\#1}$ |
| $\mathcal{A}_{1^-}^{\#1}{}_\alpha$ | (None) | $\mathcal{A}_\alpha - \mathcal{A}^\beta n_\alpha n_\beta$ | $\mathcal{J}_{1^-}^{\#1}{}_\alpha$ |