

$$\mathcal{E}(\hat{n}) = \sum_{lm} a_{lm}^E \sqrt{\frac{(\ell+2)!}{(\ell-2)!}} Y_{lm}(\hat{n}) \quad ; \quad \mathcal{B}(\hat{n}) = \sum_{lm} a_{lm}^B \sqrt{\frac{(\ell+2)!}{(\ell-2)!}} Y_{lm}(\hat{n}) \, ,$$