



$$r = \sqrt{\frac{N_U^{\uparrow} N_D^{\downarrow}}{N_U^{\downarrow} N_D^{\uparrow}}}$$

$$A_{UD} = \frac{1-r}{1+r}$$

$$P = \frac{A_{UD}}{S_{eff}}$$

- Theory sets overall scale factor (sigma, S, T, U)
- Uncertainty in calculation drives overall precision

