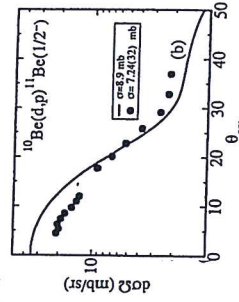
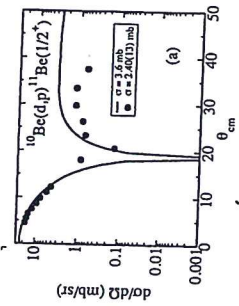
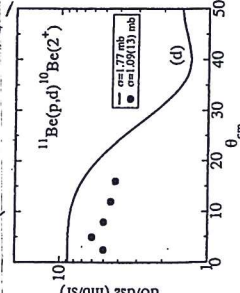
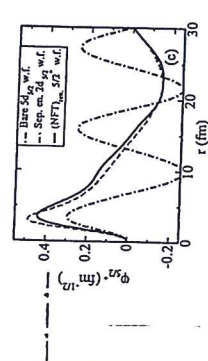
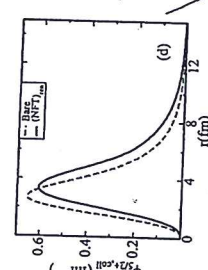
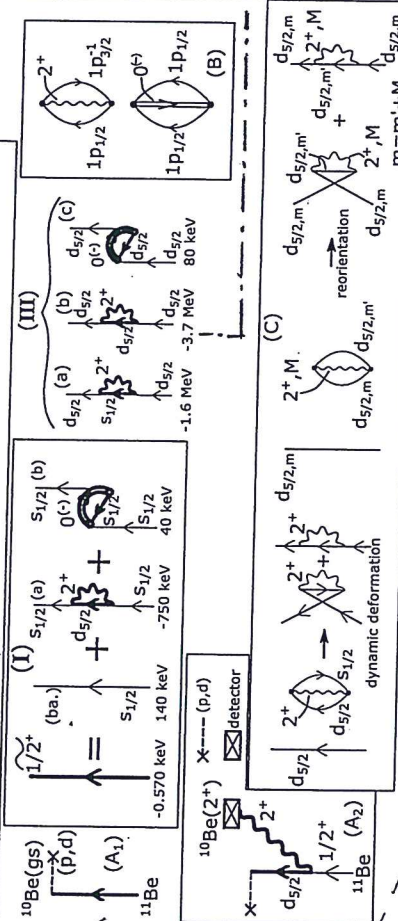
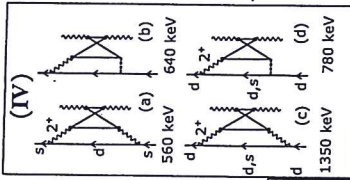
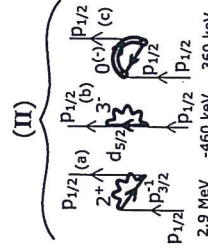
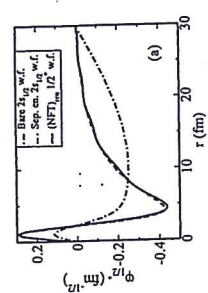


$$e^2 fm^2 \approx 0.11 \text{ B(E1)} \approx 0.102 \pm 0.002 e^2 fm^2$$



- bare (NFT)_{ren} exp.
- (1) $|1/2^+\rangle = \sqrt{0.83}[2s_{1/2}] + \sqrt{0.17}[(d_{5/2} \otimes 2^+)_{1/2^+}] + \sqrt{0.01}[(s_{1/2}^2(0) \otimes 0^+)_{1/2^+}]$
 - (2) $|1/2^-\rangle = \sqrt{0.81}[1p_{1/2}] + \sqrt{0.15}[(1p_{1/2}, 1p_{3/2})_{2^+} \otimes 2^+]_{1/2^+} + \sqrt{0.02}[(d_{5/2} \otimes 3^+)_{1/2^+}]$
 - (3) $|0^-\rangle = [^8\text{Be}(gs, 0^+)]$ monopole pair removal mode of the closed shell system $^{10}\text{Be}_g$
 - (4) $|5/2^+\rangle = \sqrt{0.34}[d_{5/2}] + \sqrt{0.32}[(s_{1/2} \otimes 2^+)_{5/2^+}] + \sqrt{0.34}[(d_{5/2} \otimes 2^+)_{5/2^+}] + \sqrt{0.003}[(d_{5/2}(0)^2 \otimes 0^+)_{5/2^+}]$



$$\langle r^2 \rangle^{1/2} = \begin{cases} 2.44 \pm 0.06 \text{ fm (exp)} \\ 2.48 \text{ fm (NFT)}_{\text{ren}} \end{cases}$$