Wiggler Field Calculations

– Predictions for Field Integrals of Wiggler Nr 3 –

1. **Predictions for Wiggler Nr 3**
   - Compare models with and without measured coil offsets

     ⇒ Visual inspection shows bumps on coil ends which do not correspond to current displacements

     ⇒ We may be able to use measurements to exclude/verify measured coil offsets

     ⇒ Wiggler Nr 3 differences due to coil offsets are most obvious in:

     1) Magnitude of B_Y (10 gauss-meters and 200 μrad kick with offsets!)
     2) Horizontal nonuniformity of integral of B_X

2. **Will be able to repeat this comparison for Wiggler Nr 4**

3. **Work on new model of coil shapes continues ...**