Concluding Remarks & Outlook

- Vacuum-assisted photoionization is discussed as a novel photoionization process at relativistic energies (MeV energies and beyond).

- Basic mechanisms: γ converts into an e^+e^- pair in the

1. Nuclear field and, subsequently, bound e^- is emitted through binary encounter

2. Electron field and the bound e^- takes enough recoil to be liberated.

- The most probable way of photoionizing an atom at high energies is to make the QED-vacuum spark.

More detailed investigations of
- electron binding effects
- correlation effects

around threshold are needed ...