

THE ATOM THAT BOHR BUILT

With apologies to 'Jack' from Bohr's colleague, Professor Sir Rudolph E Peierls, FRS, CBE (1907 - 1995), who prepared this verse for the occasion of Bohr's 70th birthday celebration.

This is the atom that Bohr built,
This is the nucleus
That sits in the atom
That Bohr built.

This is the drop that looks like the nucleus
That sits in the atom
That Bohr built.

These are the compound levels galore
That make up the spectrum
That's due to the modes
That belong to the drop
That looks like the nucleus
That sits in the atom
That Bohr built.

This is the shell and this is the core
That possesses the compound levels galore
That make up the spectrum
That's due to the modes
That belong to the drop
That looks like the nucleus
That sits in the atom
That Bohr built.

This is the correspondence (as Bohr said before)
That holds in the shell, as well as the core
That possesses the compound levels galore
That make up the spectrum
That's due to the modes
That belong to the drop
That looks like the nucleus
That sits in the atom
That Bohr built.

This is the complementarity law
That gives correspondence (as Bohr said before)
That holds in the shell, as well as the core
That possesses the compound levels galore
That make up the spectrum
That's due to the modes
That belong to the drop
That looks like the nucleus
That sits in the atom
That Bohr built.

This is the day we celebrate Bohr
Who gave us the complementarity law
That gives correspondence (as Bohr said before)
That holds in the shell, as well as the core
That possesses the compound levels galore
That make up the spectrum
That's due to the modes
That belong to the drop
That looks like the nucleus
That sits in the atom
That Bohr built.