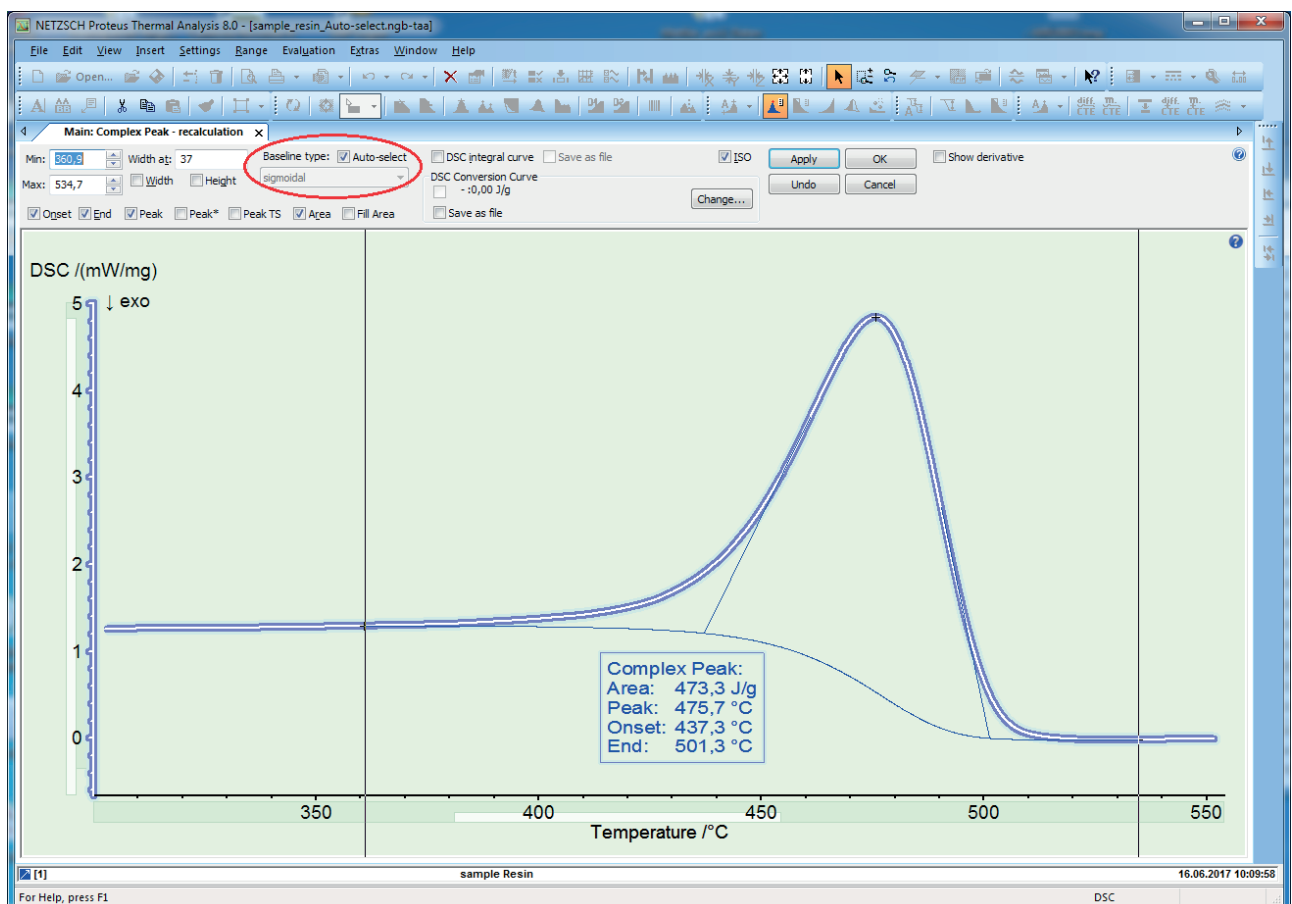


## Automatic Selection of the DSC/DTA Baseline Type

Dr. Alexander Schindler

When evaluations of the type "Area" or "Complex Peak" are carried out on DSC or DTA curves, a user can manually select between many baseline types (linear, tangential, sigmoidal, ...)\*. Which baseline type is suitable is described in detail in the Help system of *Proteus*® analysis. This knowledge has been incorporated into the new functionality "Auto-select" which is always included in *Proteus*® analysis version 8.0 or higher.

"Auto-select" which can be activated via a checkbox (see figure 1) leads to an automatic selection of a suitable baseline type. Which one of the available baseline types is chosen depends on the course of the DSC/DTA curve between the temperature or time cursors.



1 User interface of "Complex Peak" evaluation within *Proteus*® analysis. "Auto-select" of the baseline type is activated (highlighted in red), leading to the selection of the "sigmoidal" baseline type in this case.

\*Other manufacturers of thermal analysis instruments do not offer as many baseline types.