
ANALYSIS OF DSC-MEASUREMENTS



Thomas Haussmann, Georg
Hagelstein

Fraunhofer Institute for Solar
Energy Systems ISE

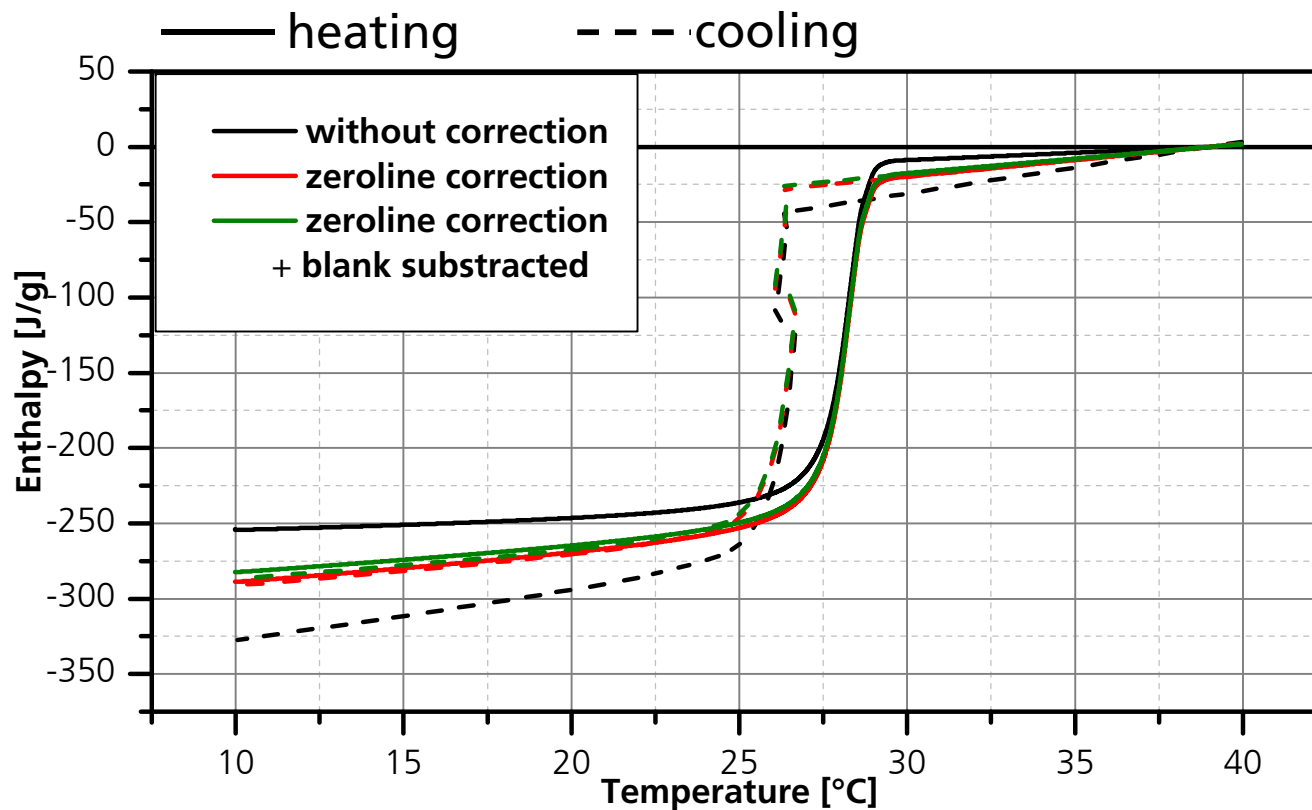
DSC-Workshop

Freiburg, 24.09.2014

www.ise.fraunhofer.de

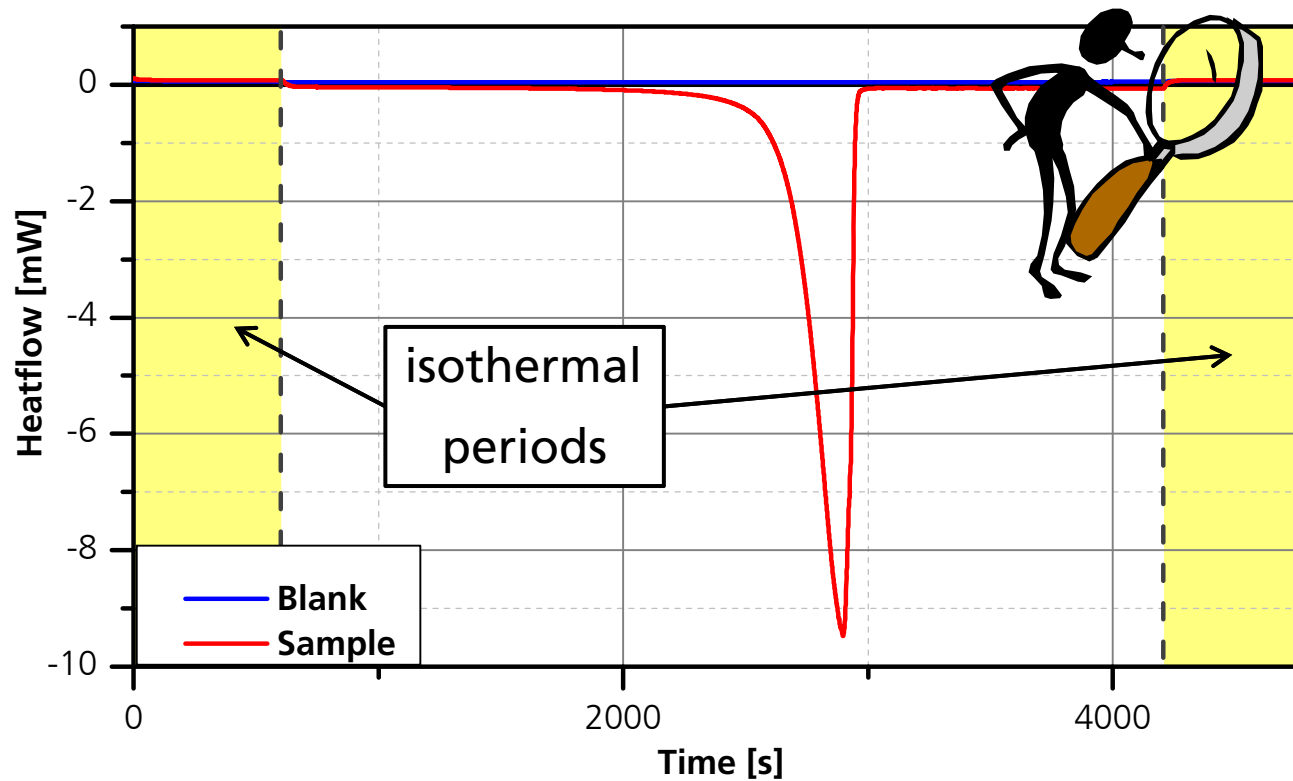
Results of Different DSC-Analysis

Variation of Enthalpy Values and Asymmetry



Results of Different DSC-Analysis

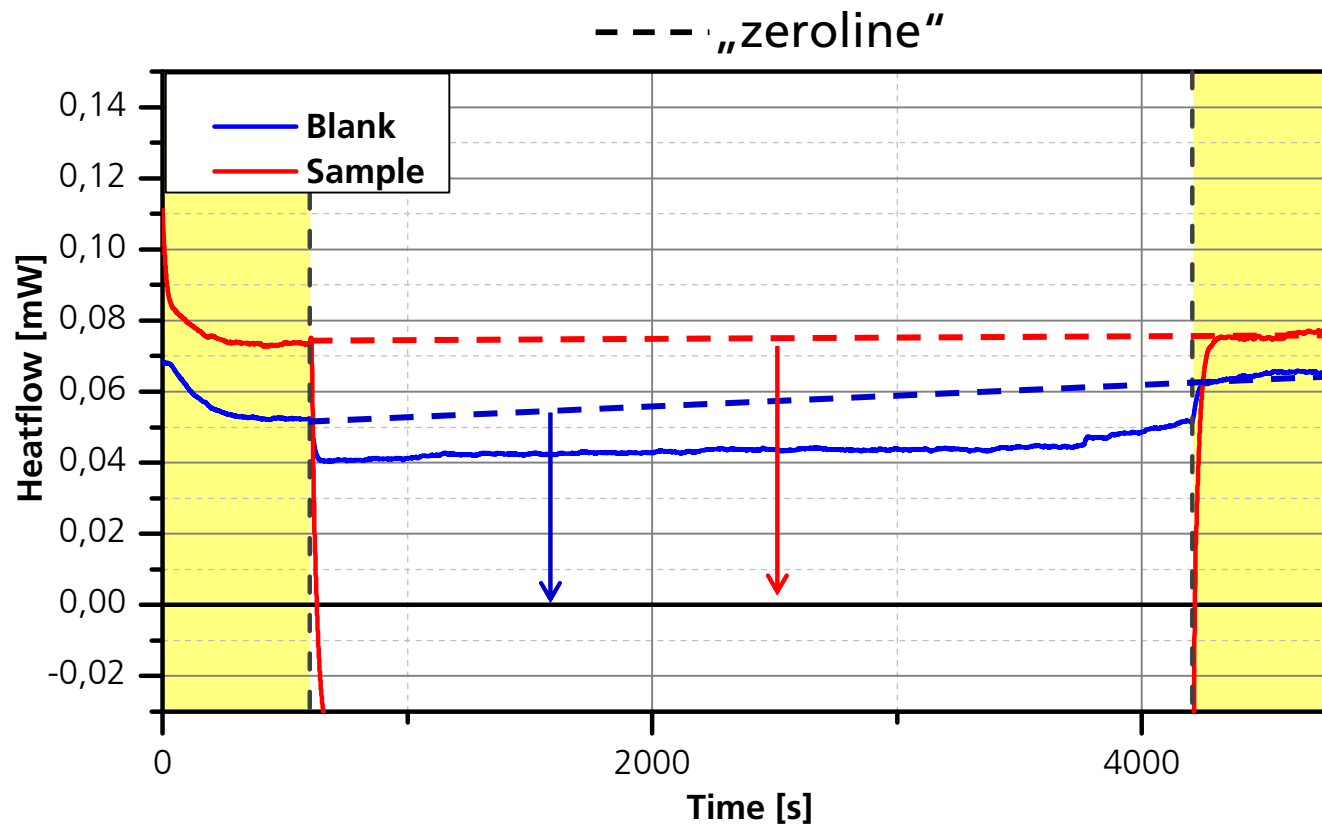
Substraction of „Zeroline“



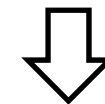
heatflow should be zero at isothermal periods

Results of Different DSC-Analysis

Substraction of „Zeroline“



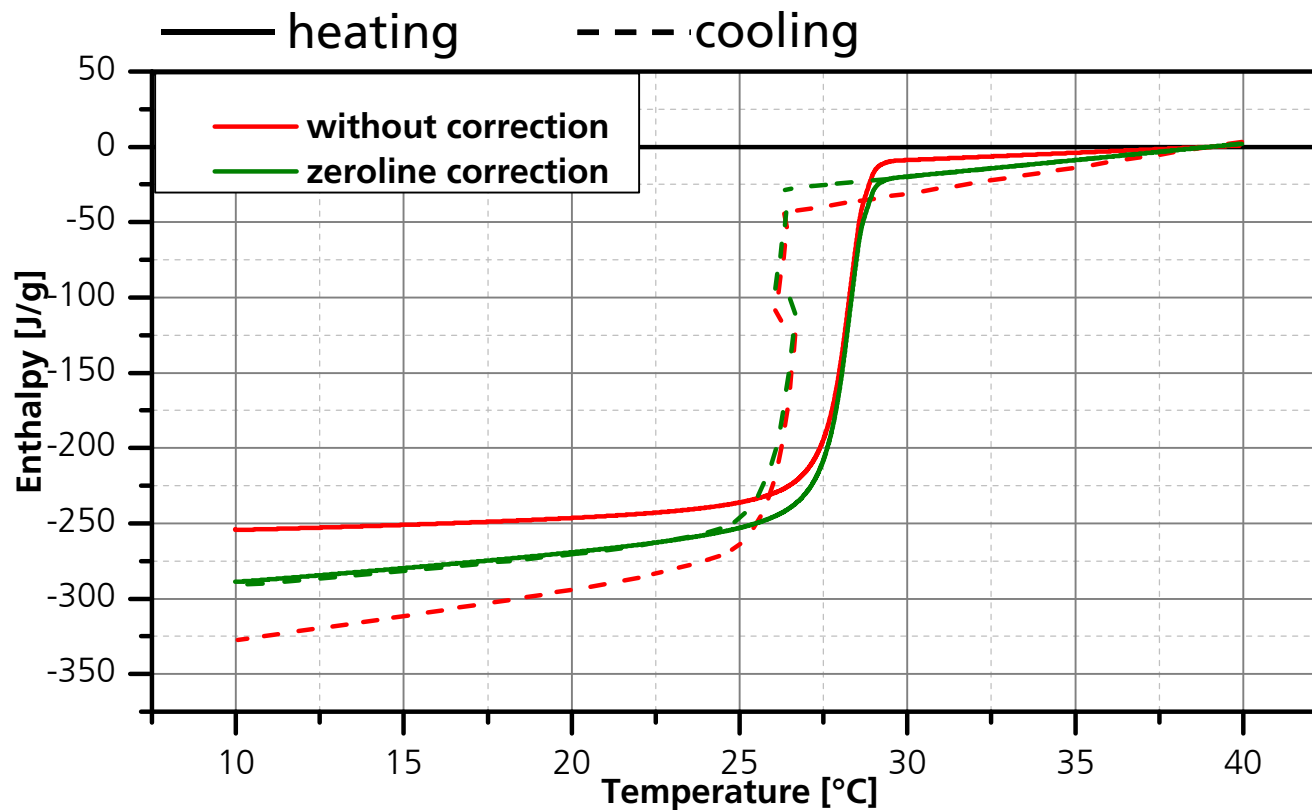
heatflow should be zero at isothermal periods



substraction of „zeroline“

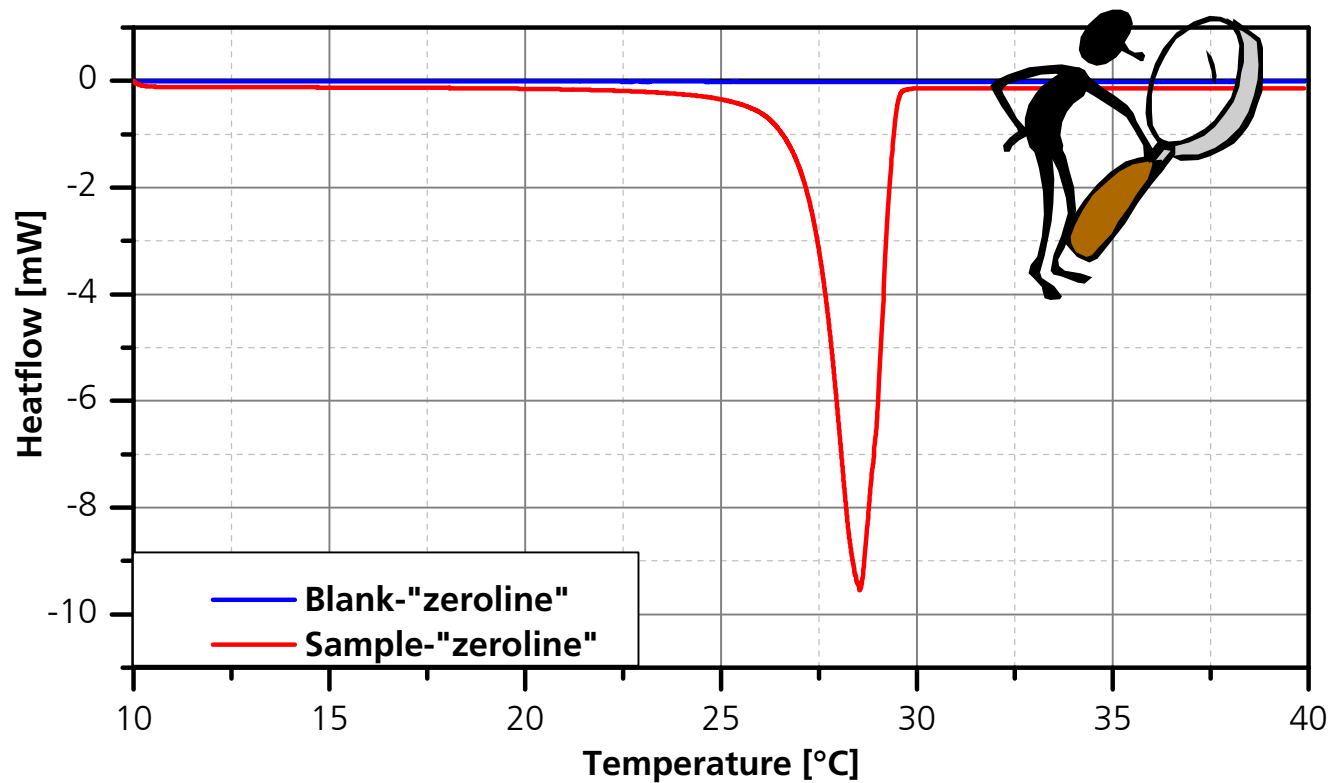
Results of Different DSC-Analysis

Substraction of „Zeroline“ → Reducing Asymmetry



Results of Different DSC-Analysis

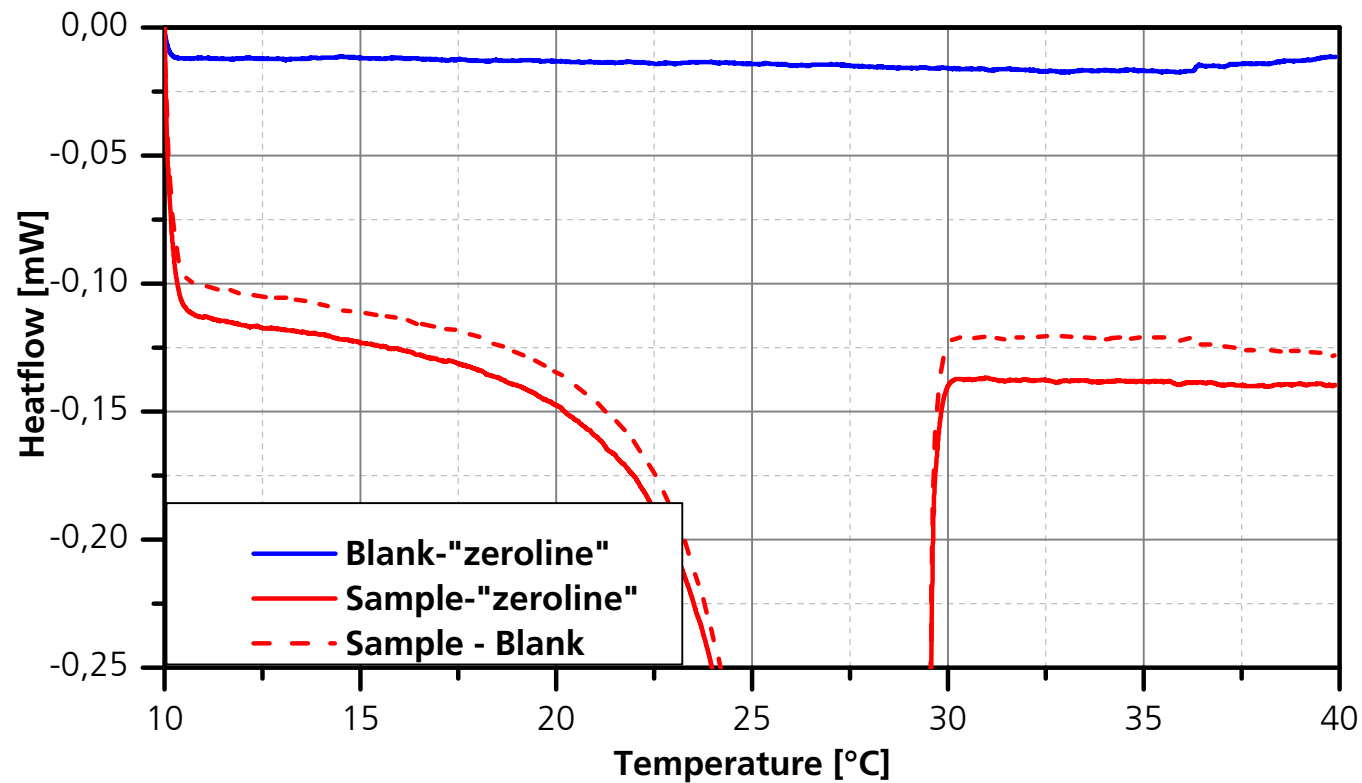
Subtraction of Blank Measurement



every little
bit helps

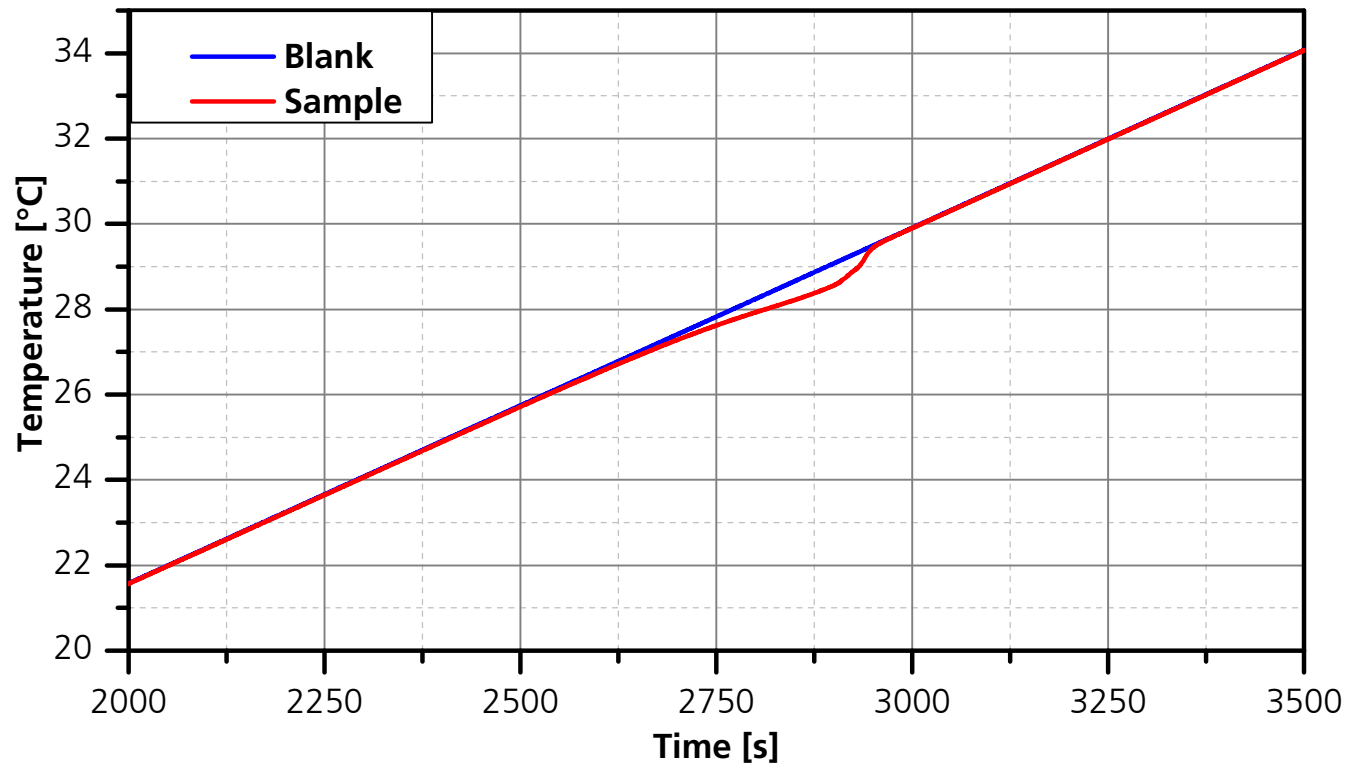
Results of Different DSC-Analysis

Subtraction of Blank Measurement



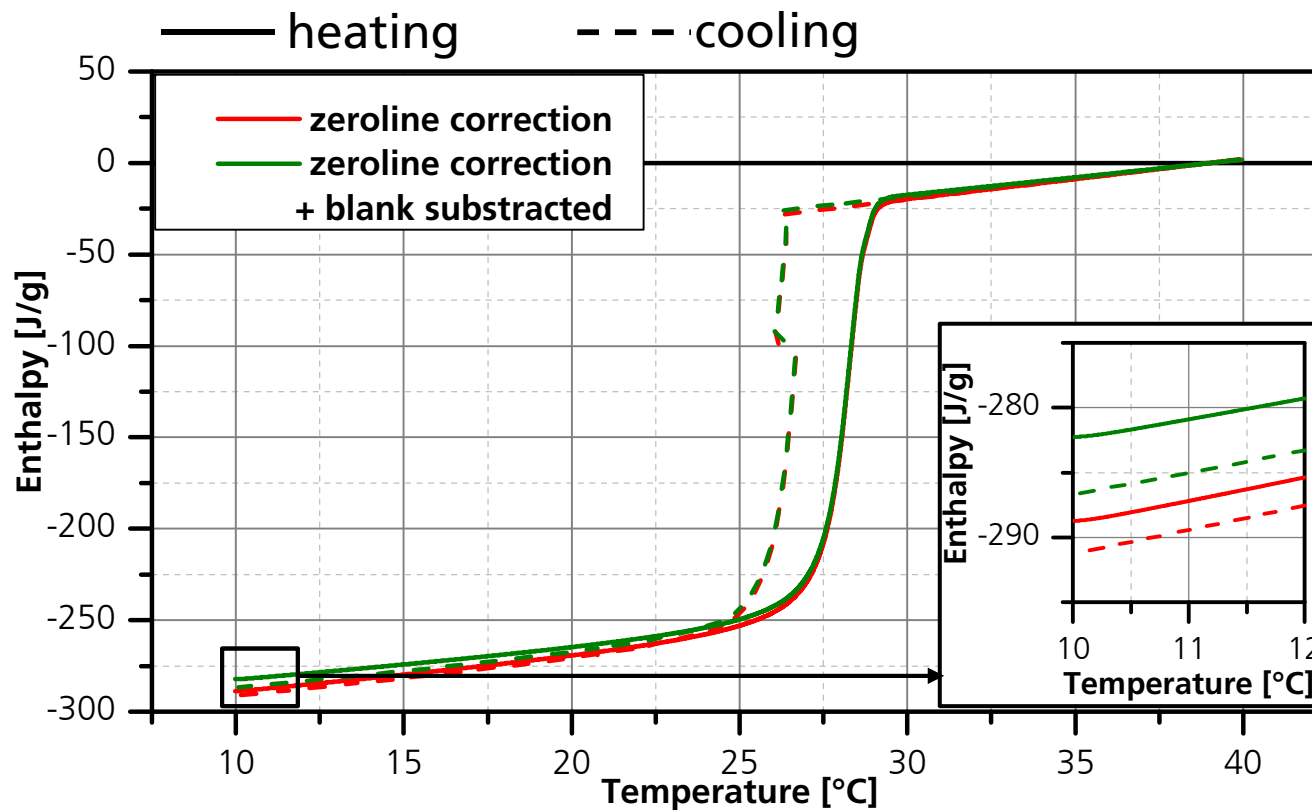
every little
bit helps

Substraction over Time or Temperature?

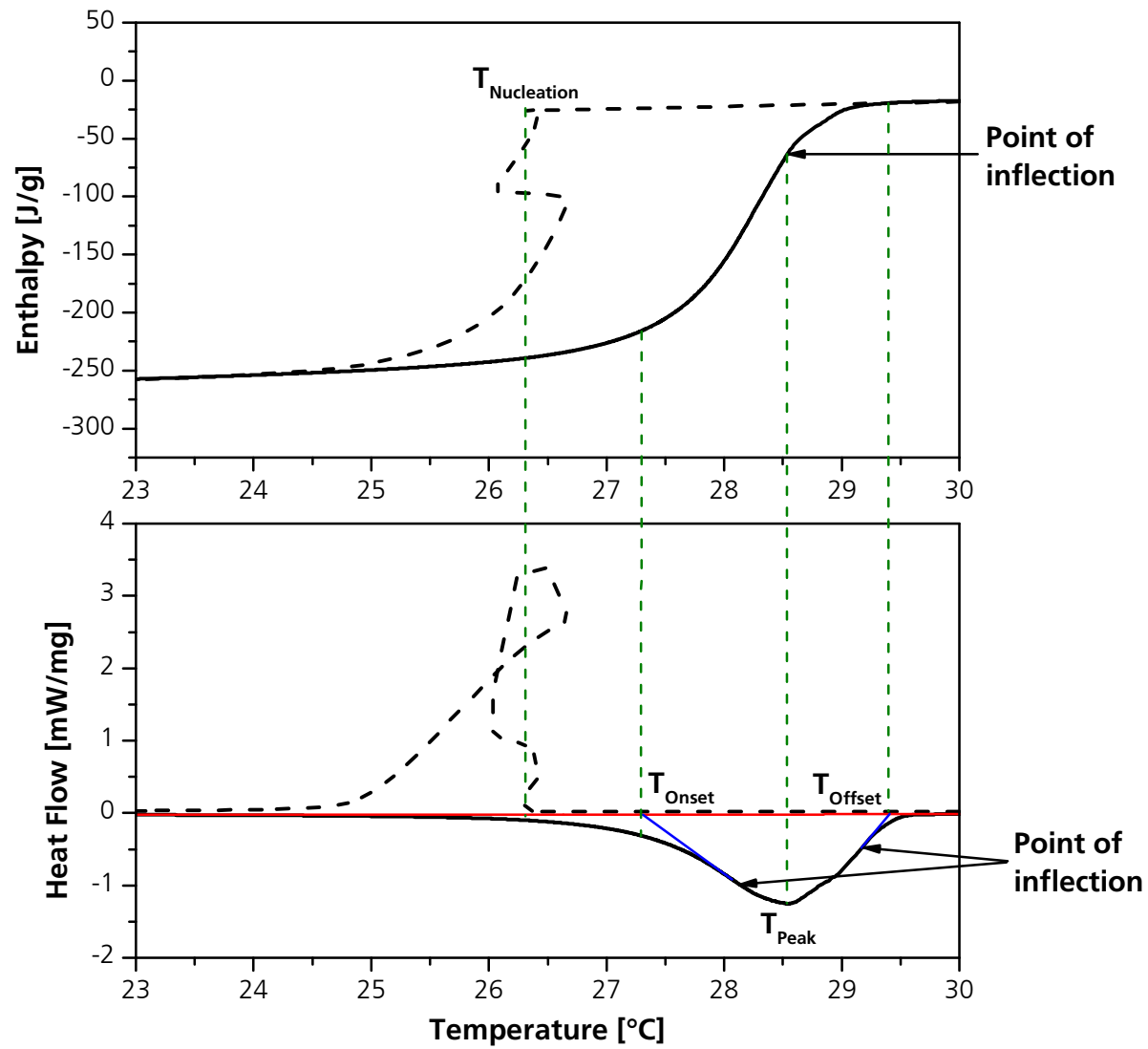


Results of Different DSC-Analysis

Subtraction of Blank Measurement



Characteristic Points



Thank you for your attention!



Fraunhofer Institute for Solar Energy Systems ISE

Georg Hagelstein

www.ise.fraunhofer.de

georg.hagelstein@ise.fraunhofer.de