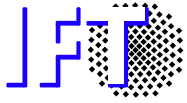


BMBF-Projekt Innorad

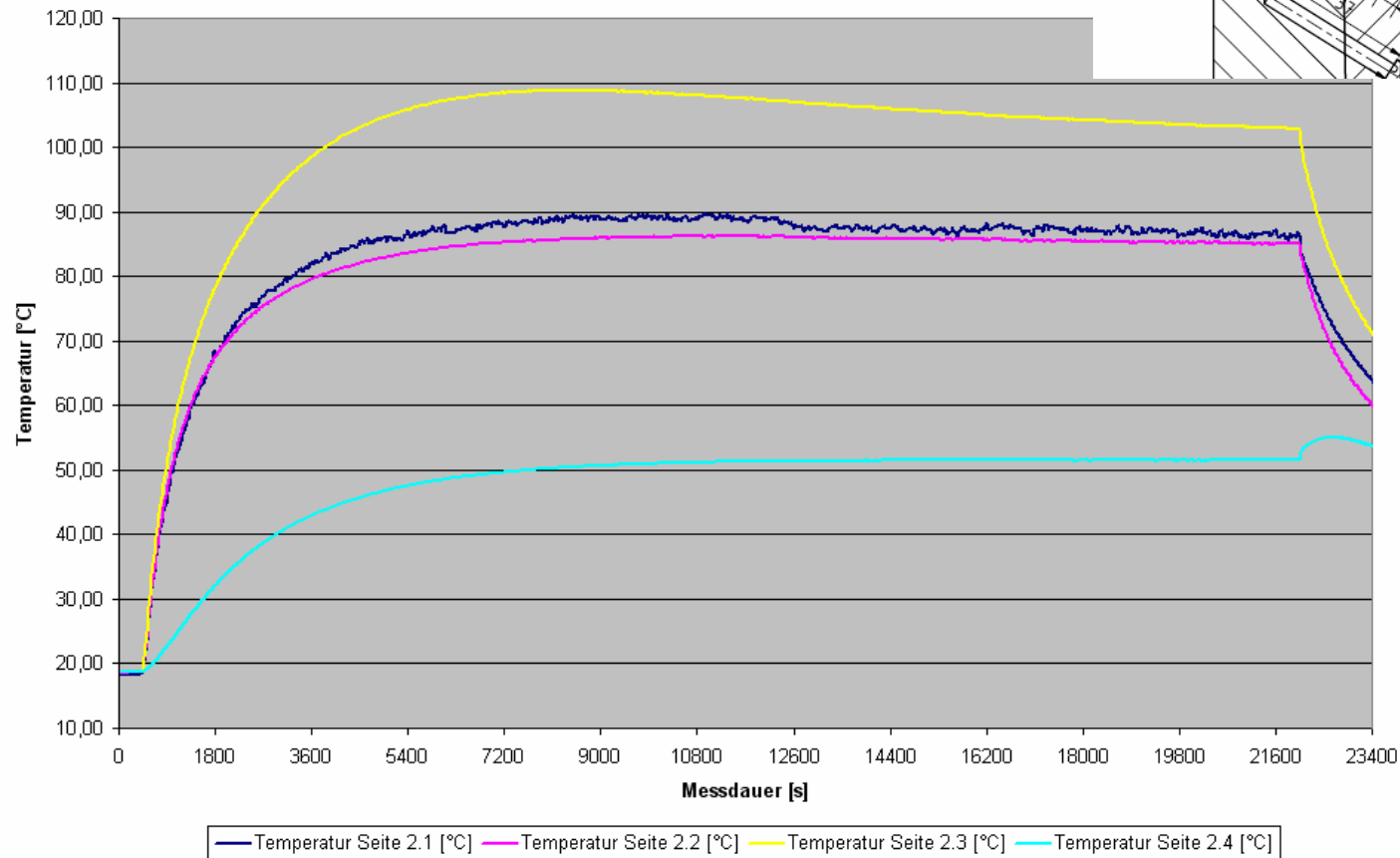
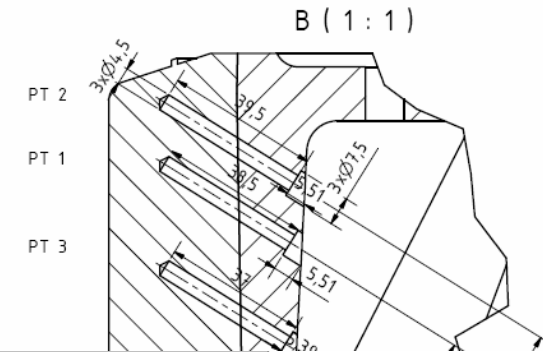
Projektsitzung am 25.03.2010
MTL Hamburg

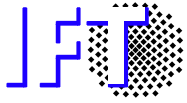
Christian Vorwerk
Markus Schröppel
Manuel Weber



BMBF-Projekt Innorad: Standardrad

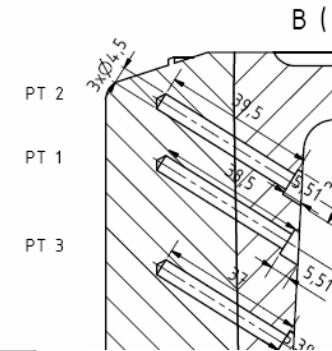
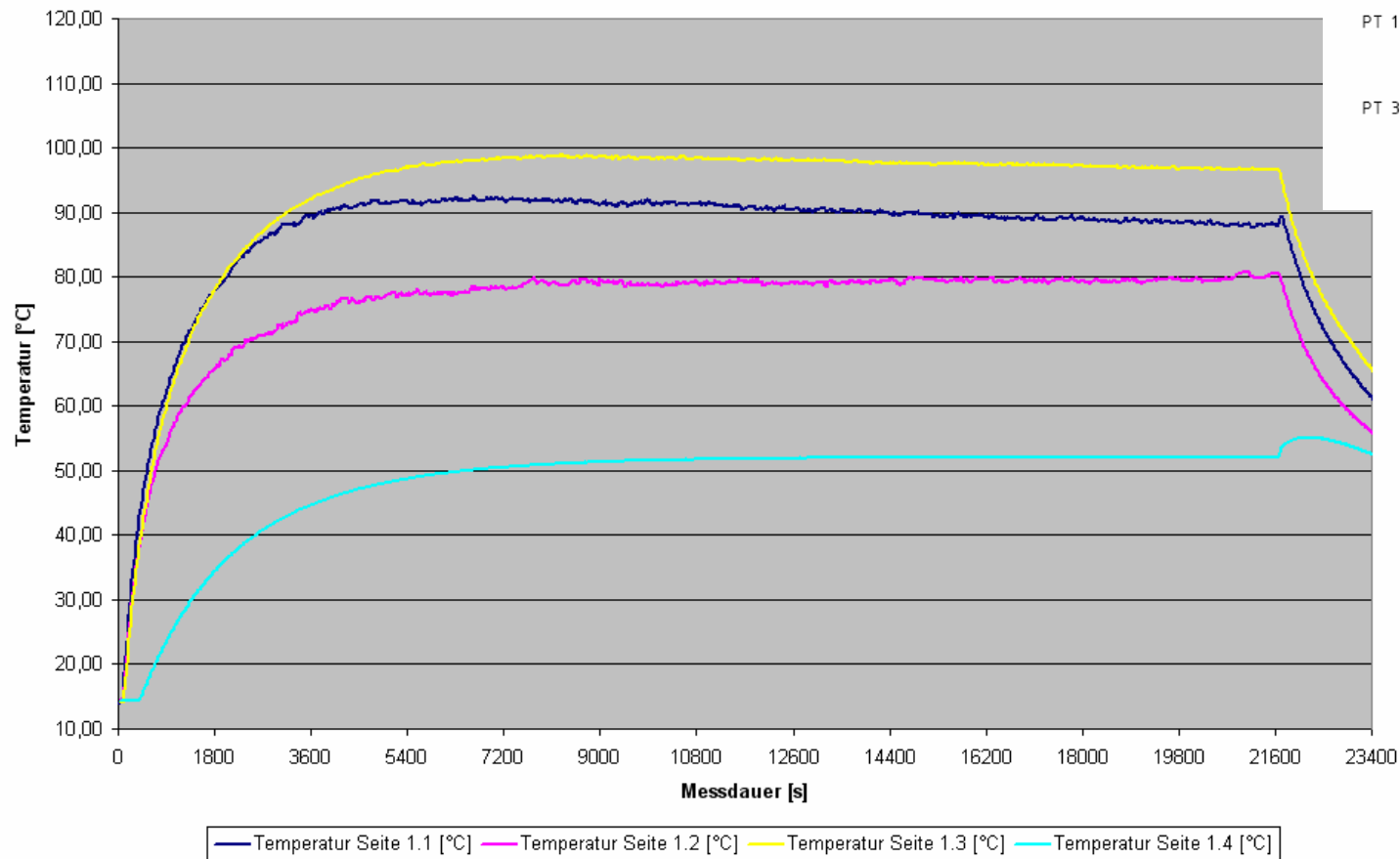
Rad 0081, 10 km/h, 25 kN





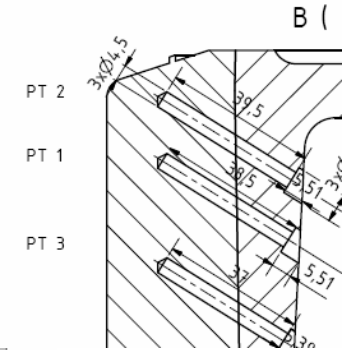
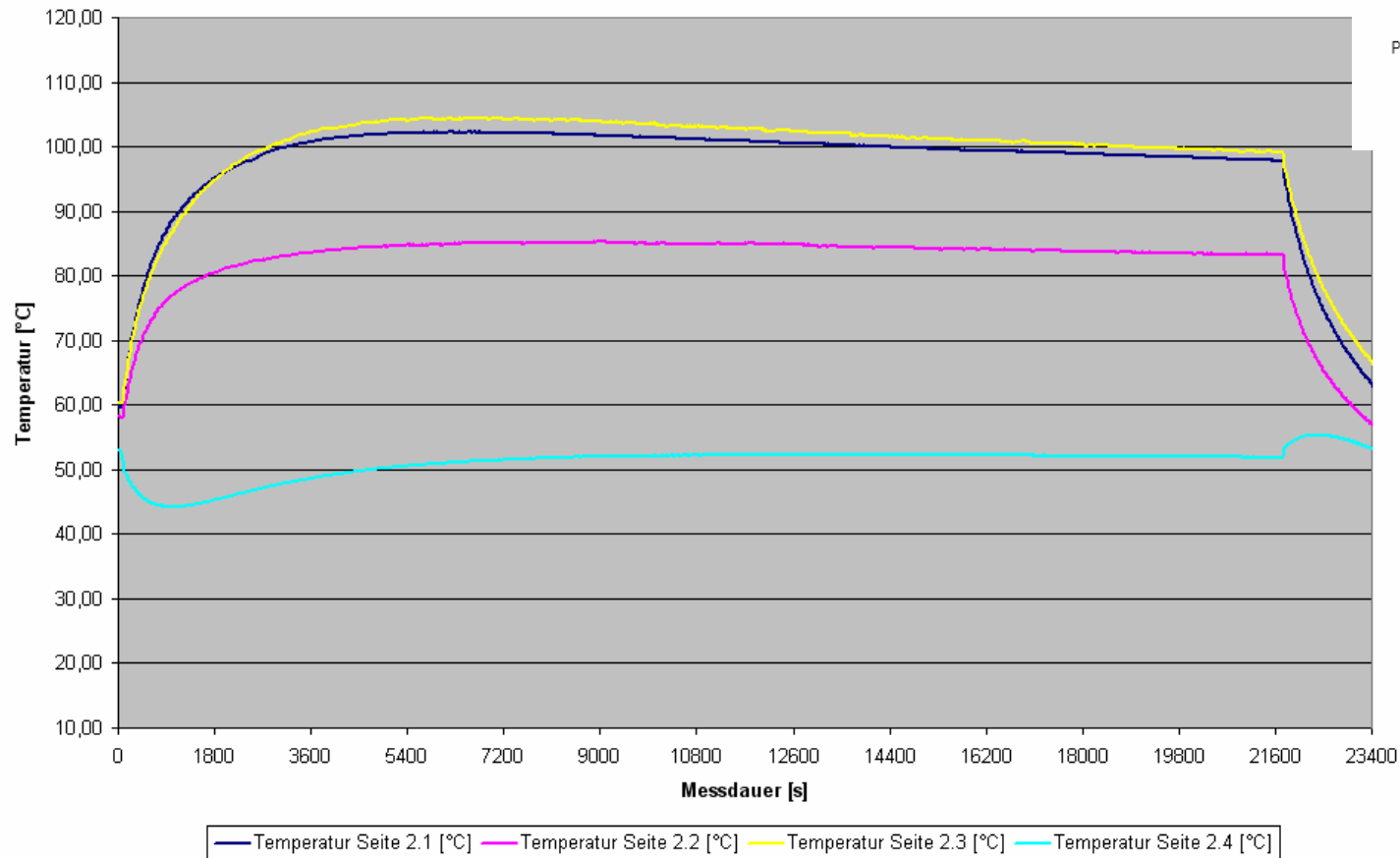
BMBF-Projekt Innorad: Variation Starttemperatur

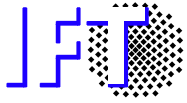
Rad 0071, Starttemperatur: Bandage -3,0 °C , Felge 1,5 °C
10km/h, 25kN



BMBF-Projekt Innorad: Variation Starttemperatur

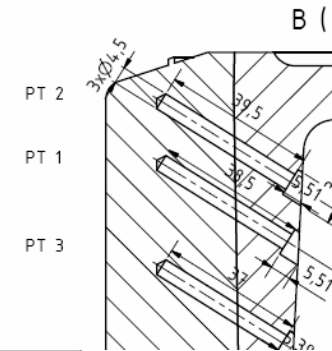
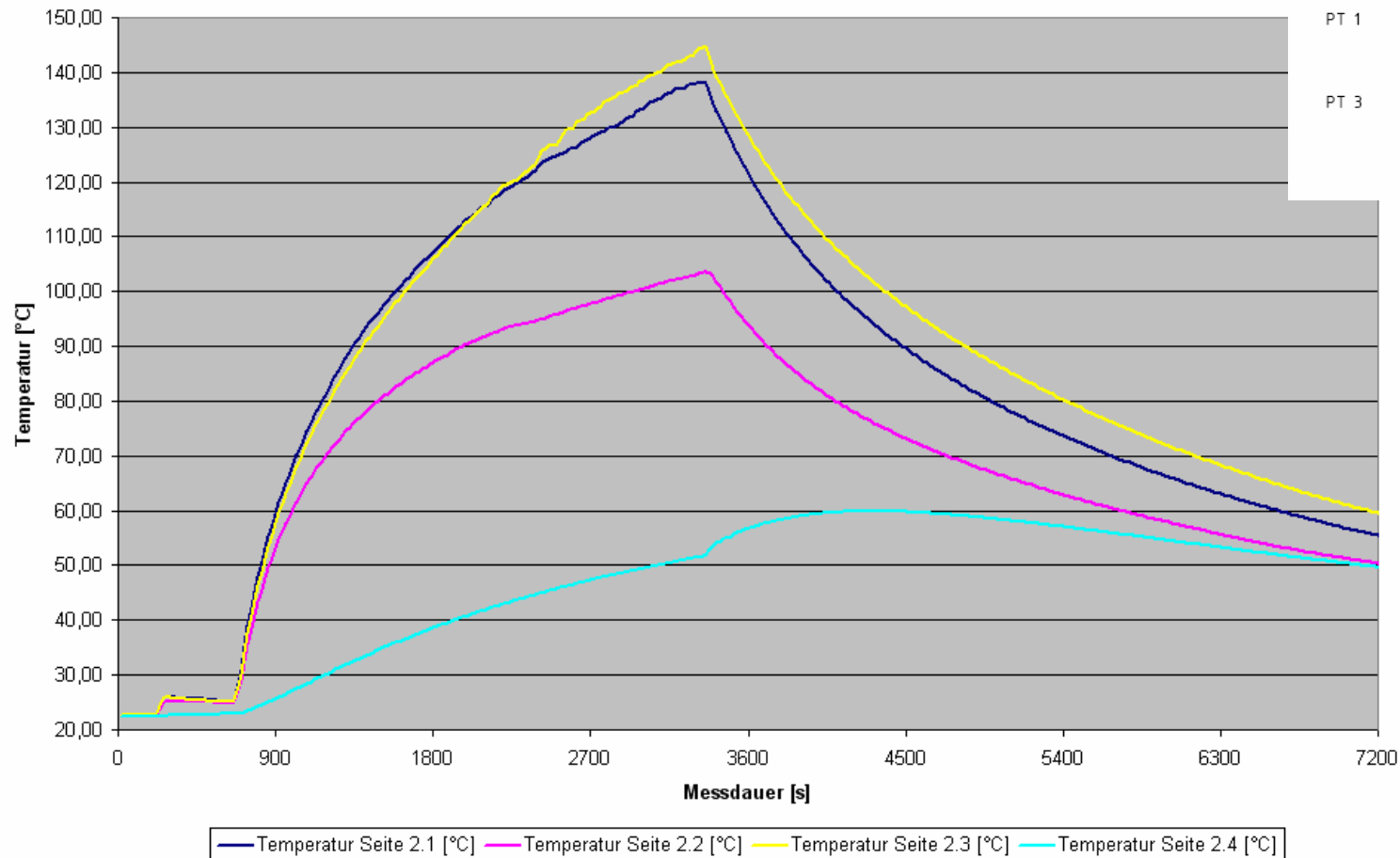
Rad 0073, Starttemperatur: Bandage ca. 60 °C , Felge 53 °C
 10km/h, 25kN





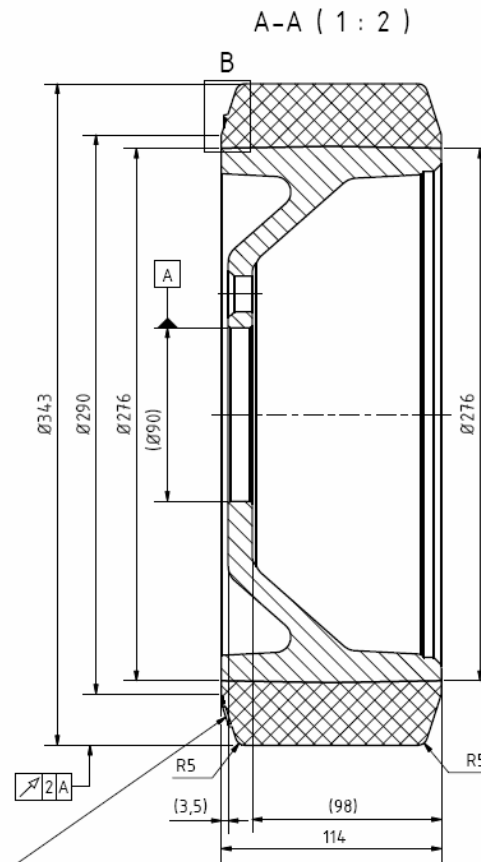
BMBF-Projekt Innorad: Variation Prüfgeschwindigkeit

Rad 0076, Prüfgeschwindigkeit: 16 km/h, Last 25kN



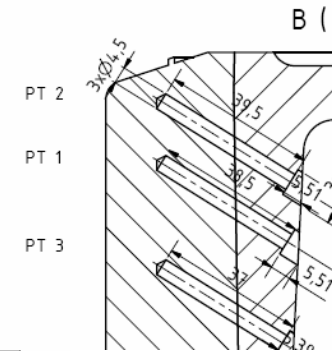
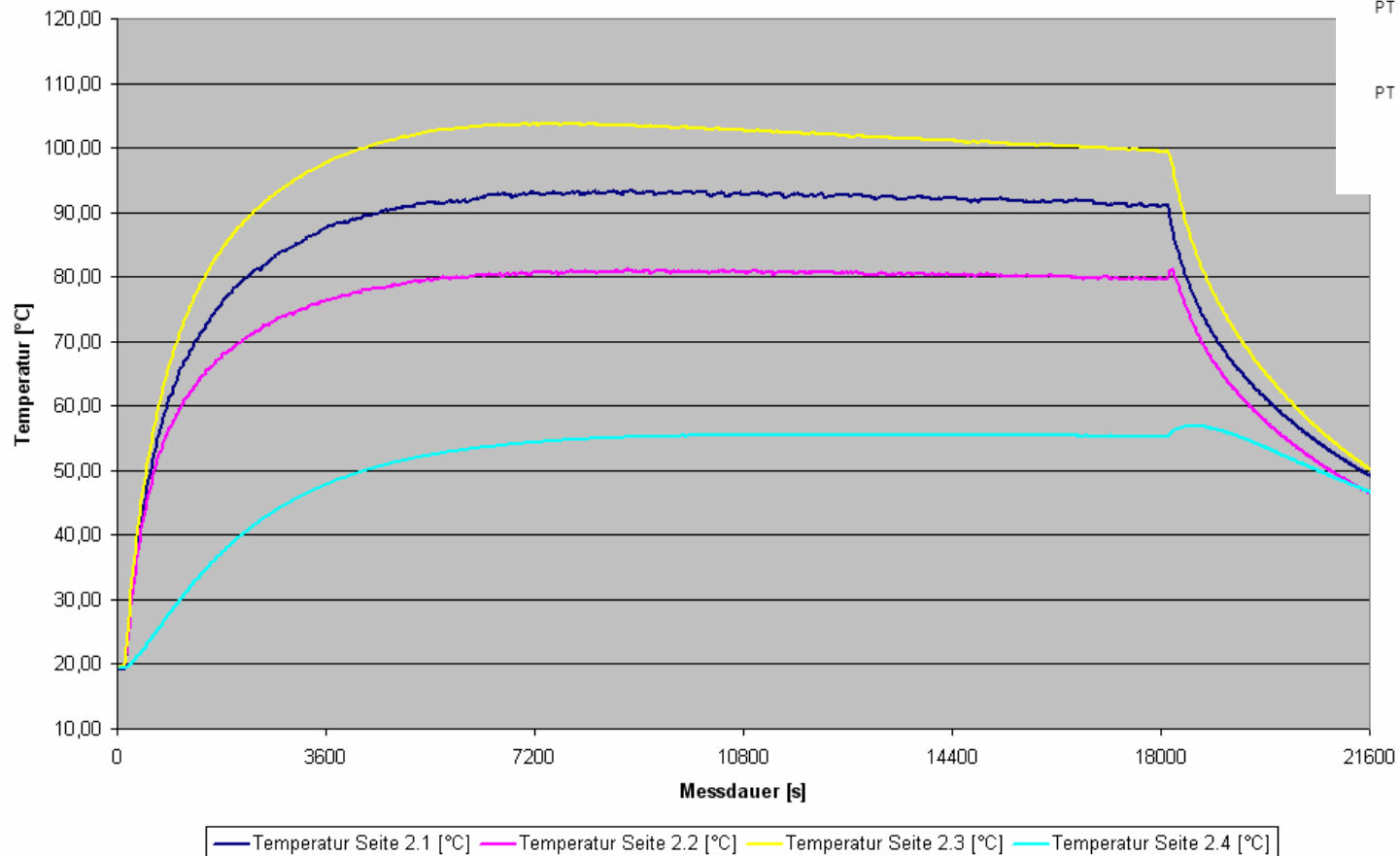
BMBF-Projekt Innorad: Variation Felgengeometrie

Rad 0046, neue Felgengeometrie



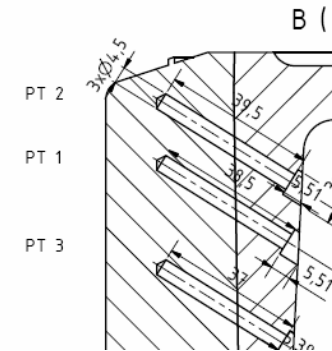
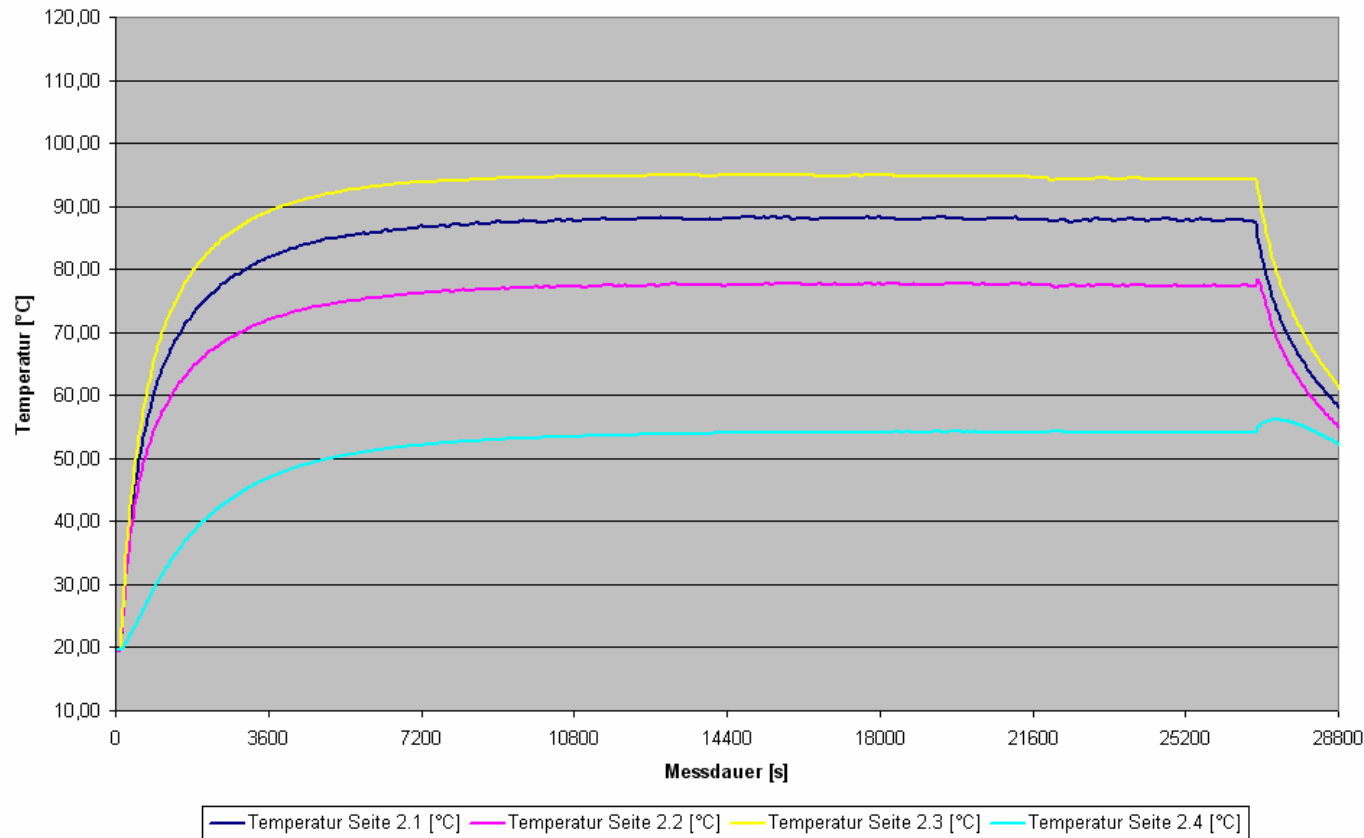
BMBF-Projekt Innorad: Variation Felgengeometrie

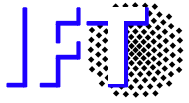
Rad 0046, neue Felgengeometrie, 1. Versuchsfahrt,
 10km/h, 25kN



BMBF-Projekt Innorad: Variation Felgengeometrie

Rad 0046, neue Felgengeometrie, **2. Versuchsfahrt**,
 10km/h, 25kN

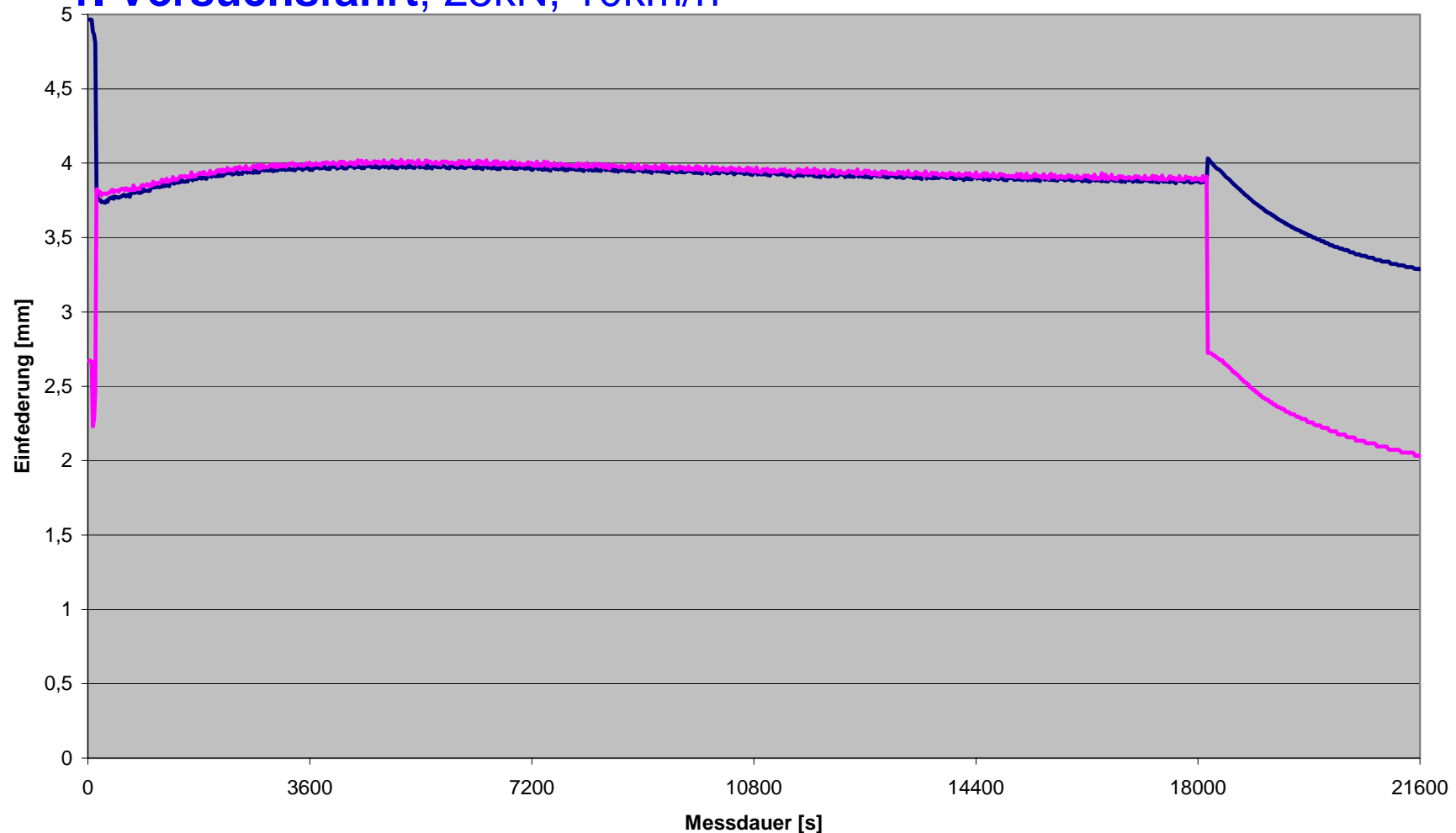




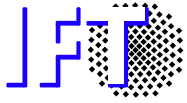
BMBF-Projekt Innorad: Variation Felgengeometrie

Einfederung Rad 0046 und Rad 0045, neue Felgengeometrie

1. Versuchsfahrt, 25kN, 10km/h



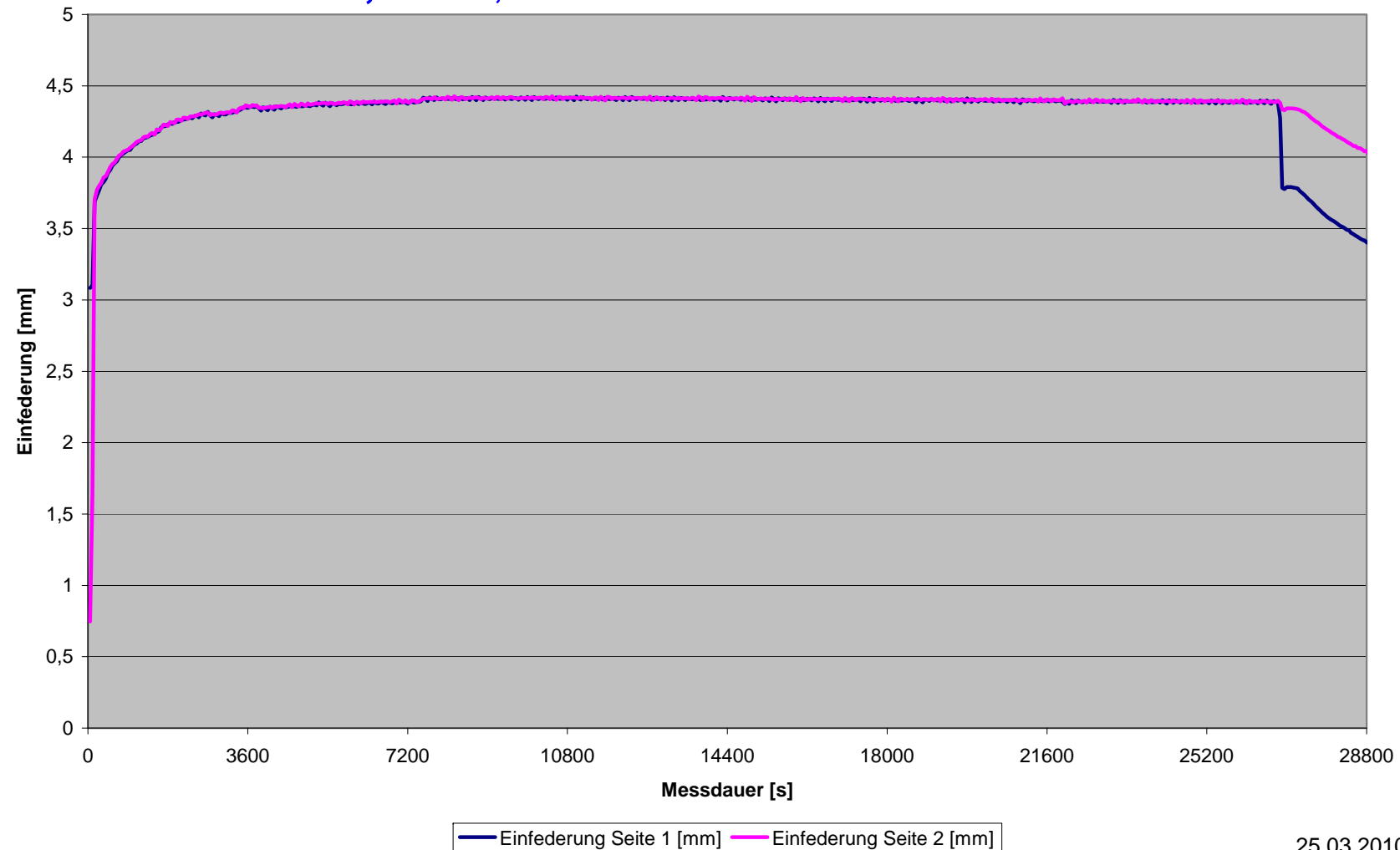
— Einfederung Seite 1 [mm] — Einfederung Seite 2 [mm]



BMBF-Projekt Innorad: Variation Felgengeometrie

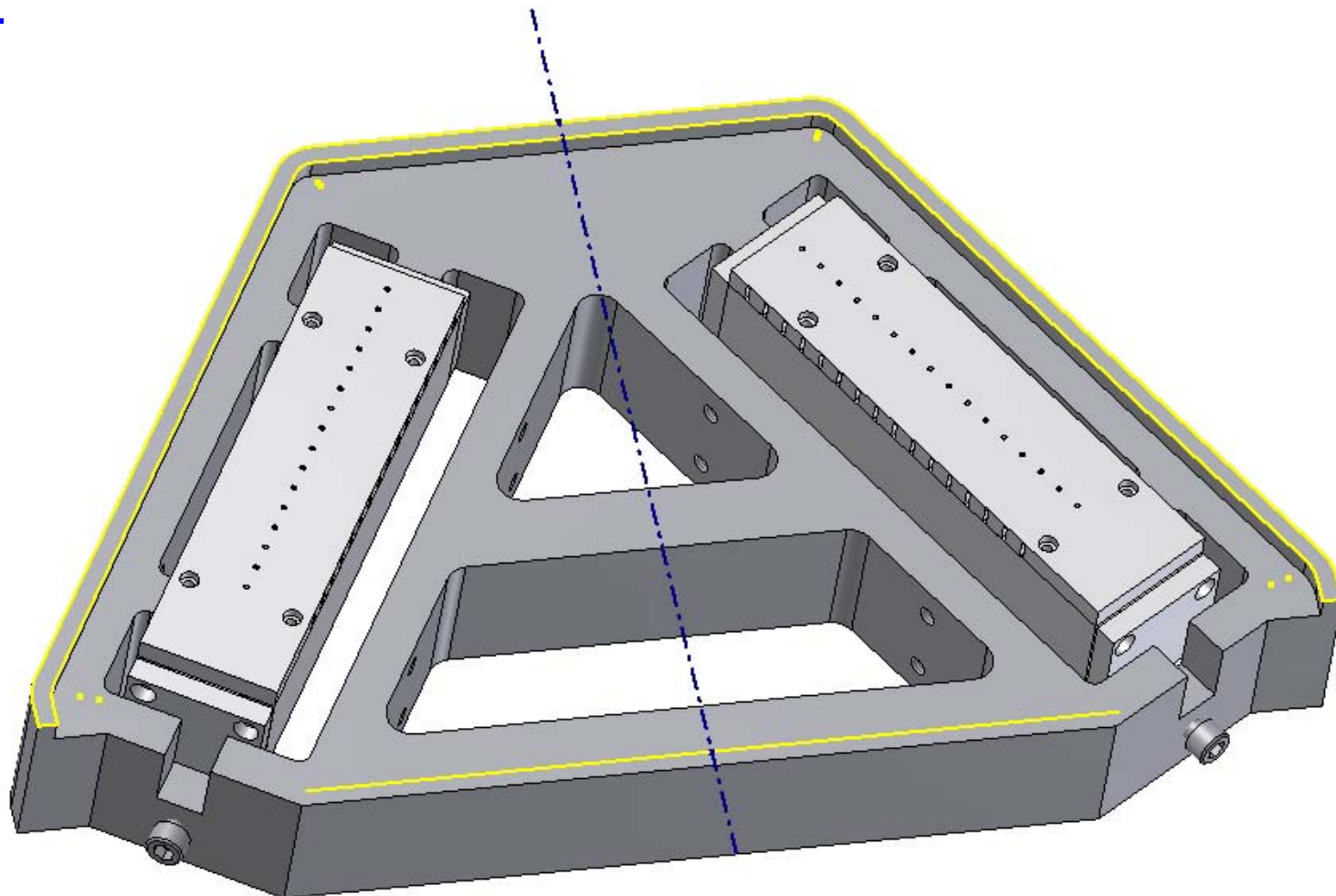
Einfederung Rad 0046 und Rad 0045, neue Felgengeometrie,

2. Versuchsfahrt, 25kN, 10km/h



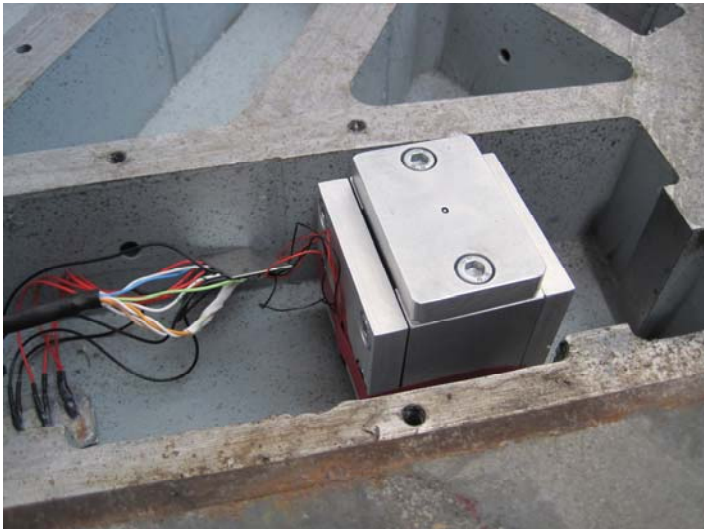
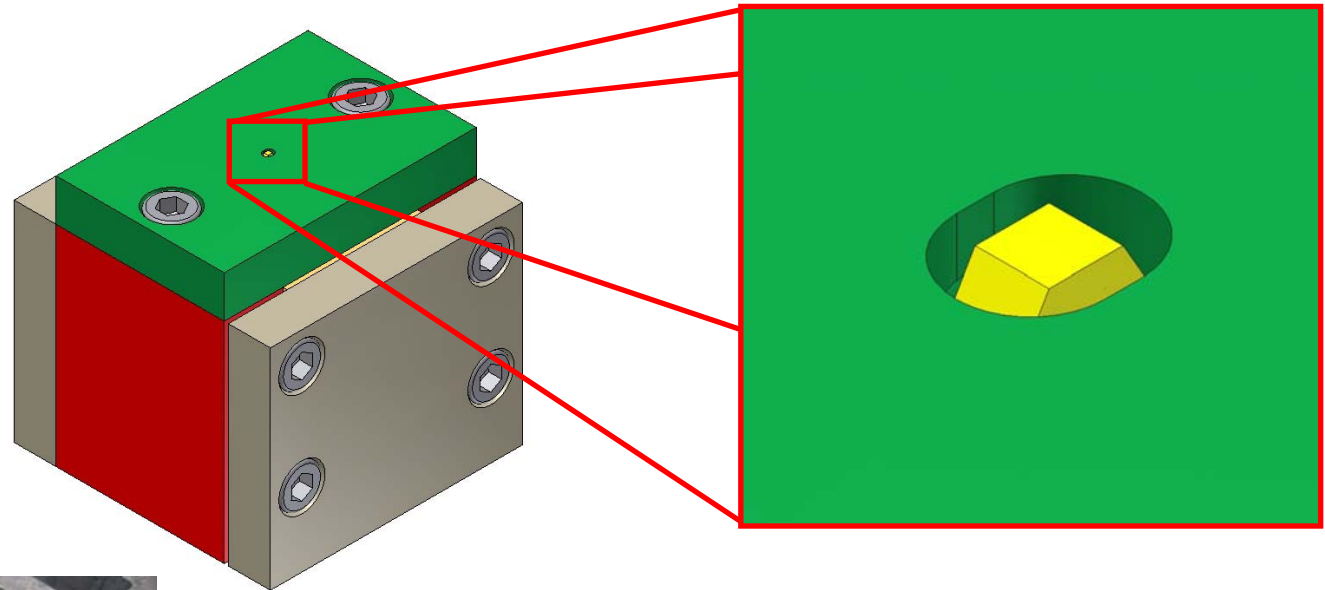
BMBF-Projekt Innorad: Prüfstand II

Testmessungen mit Versuchsträger konnten erfolgreich durchgeführt werden.



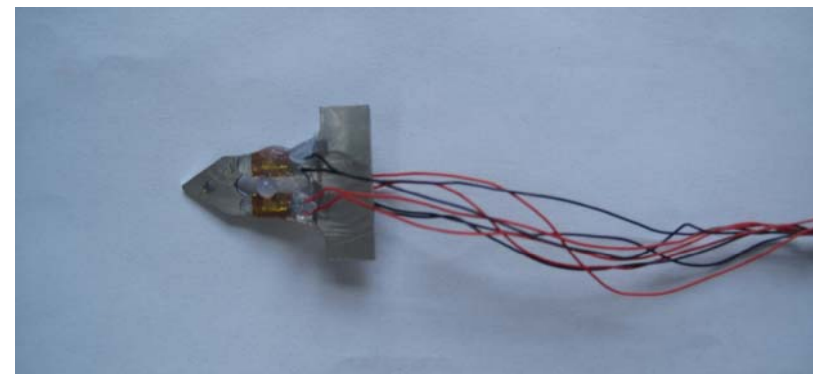
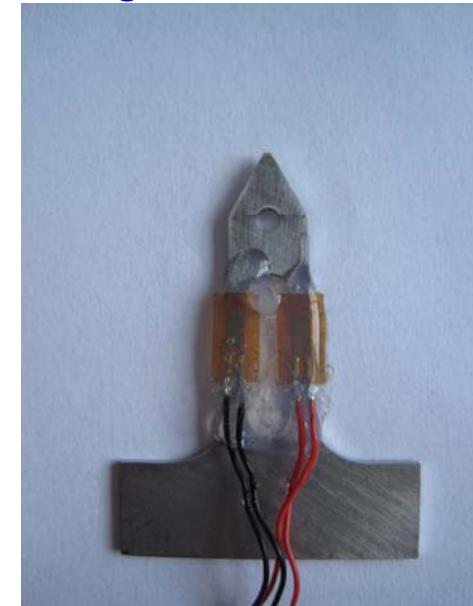
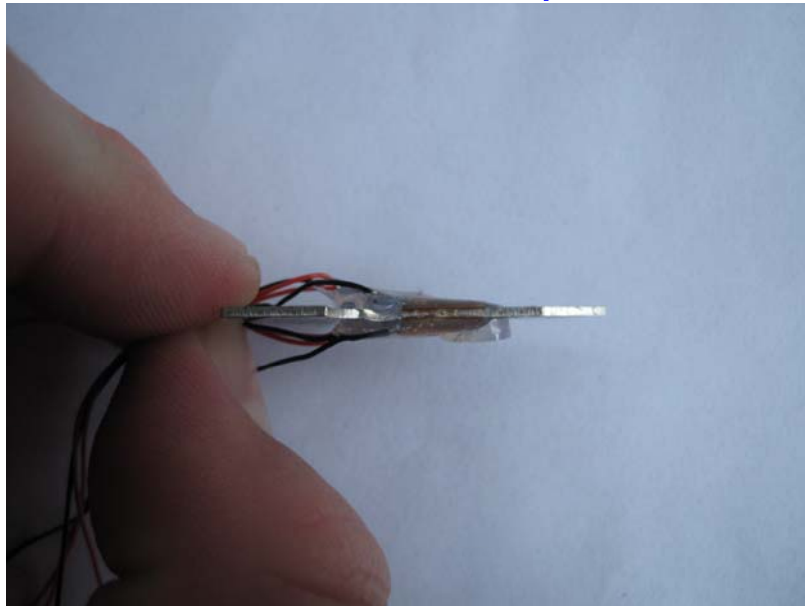
BMBF-Projekt Innorad: Prüfstand II

Testvorrichtung



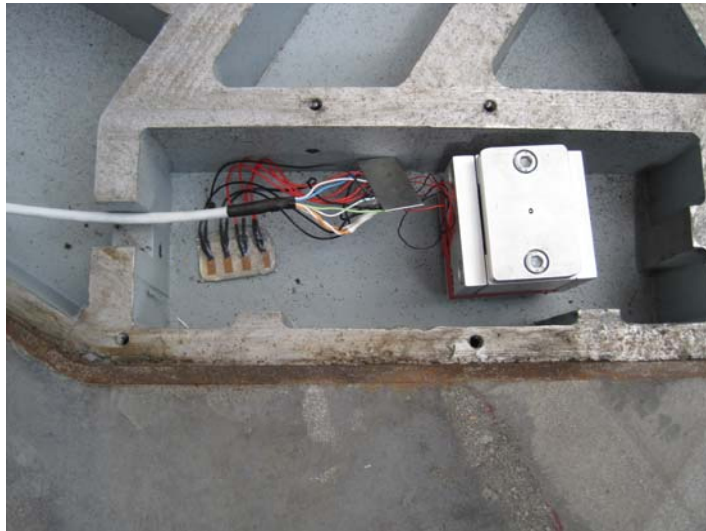
BMBF-Projekt Innorad: Prüfstand II

Variationen der Messspitzen – Kalibrierung und Testmessungen



BMBF-Projekt Innorad: Prüfstand II

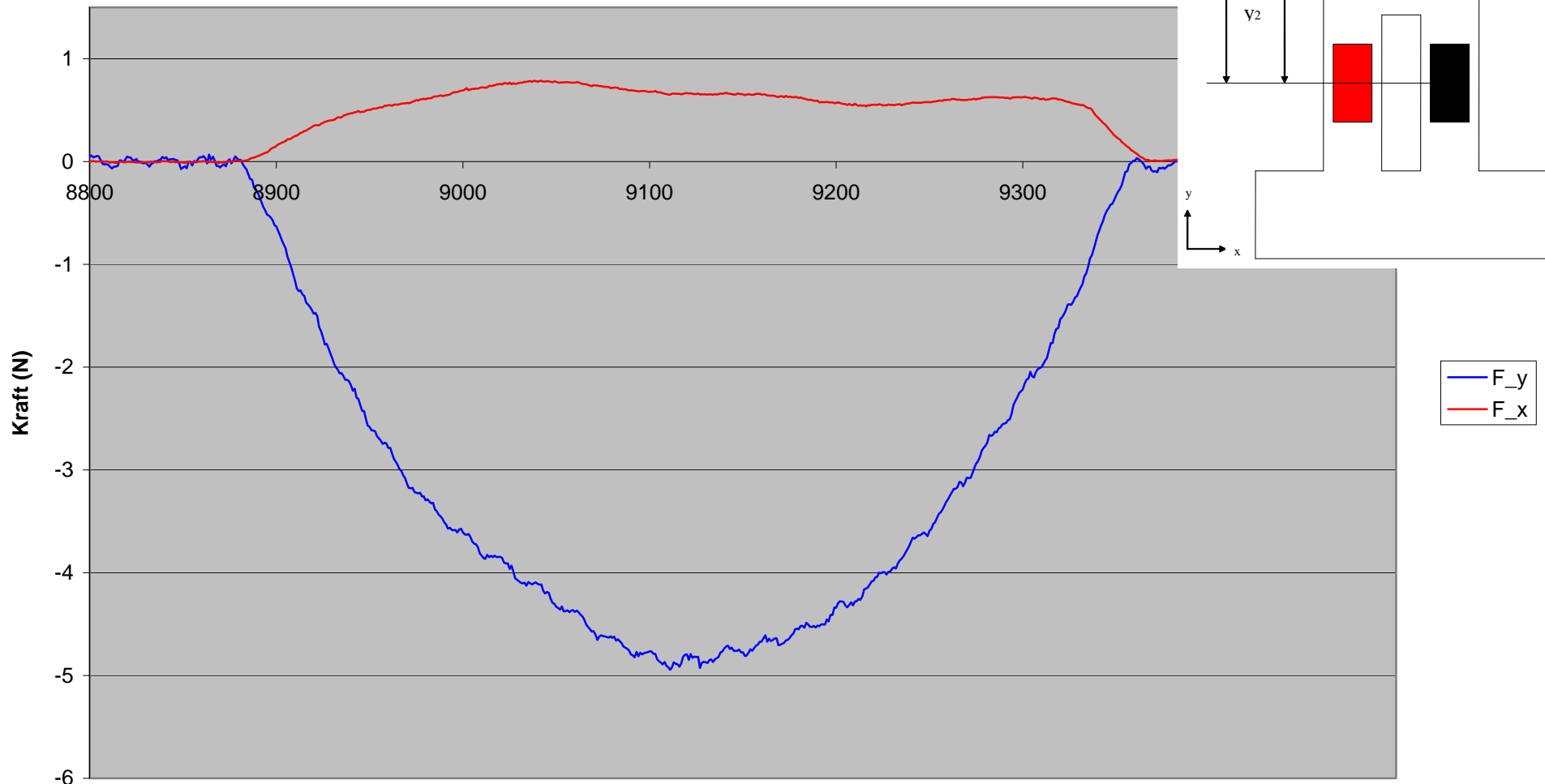
Integration der Testvorrichtung in den Boden des Prüfstandes



BMBF-Projekt Innorad: Prüfstand II

Überfahrt 1mm vom
 Radrand innen

1mm Kräfte

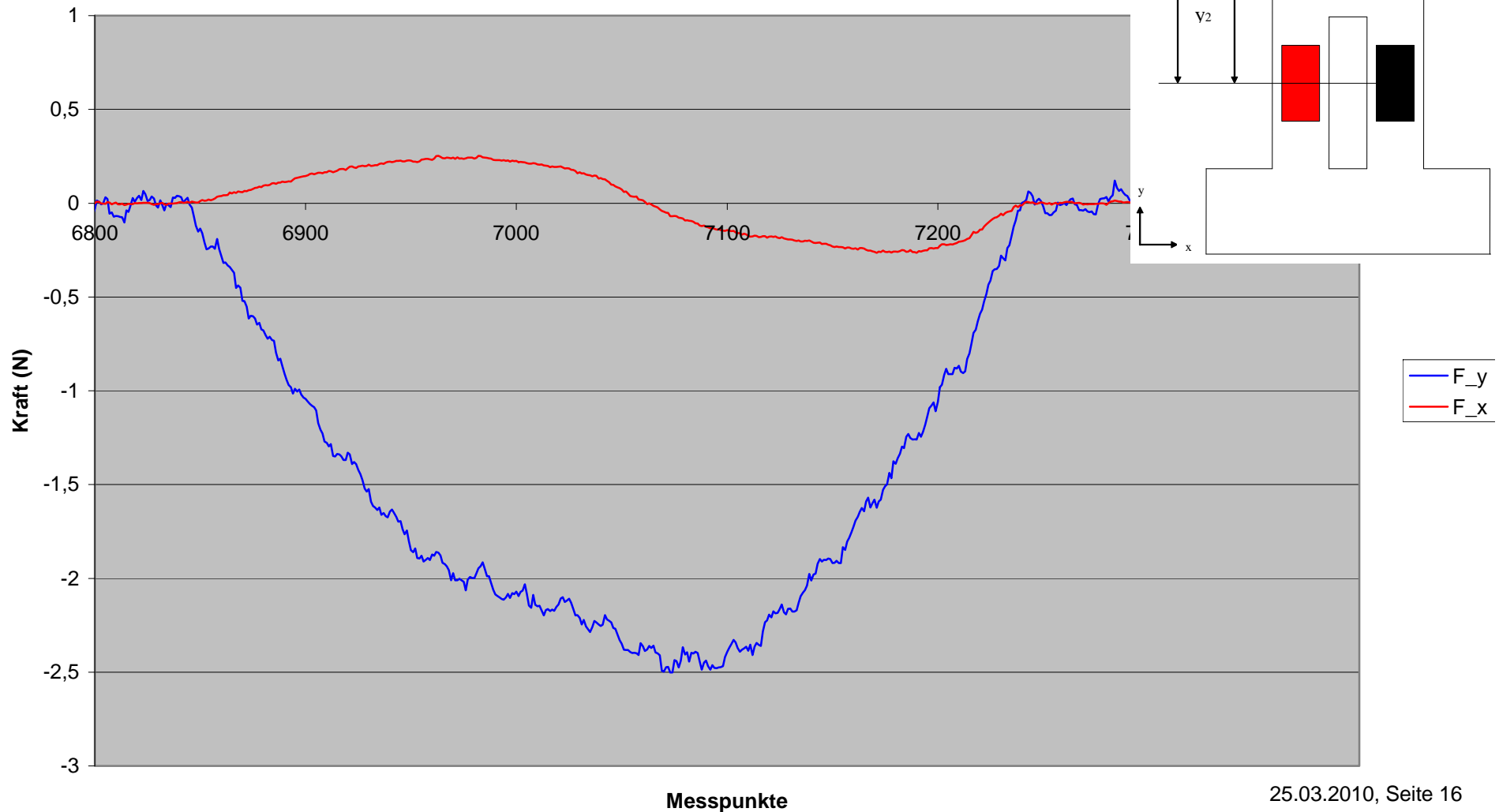


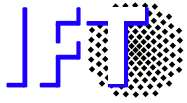
Messpunkte

BMBF-Projekt Innorad: Prüfstand II

Überfahrt 16 mm vom
 Radrand innen

16mm Kräfte

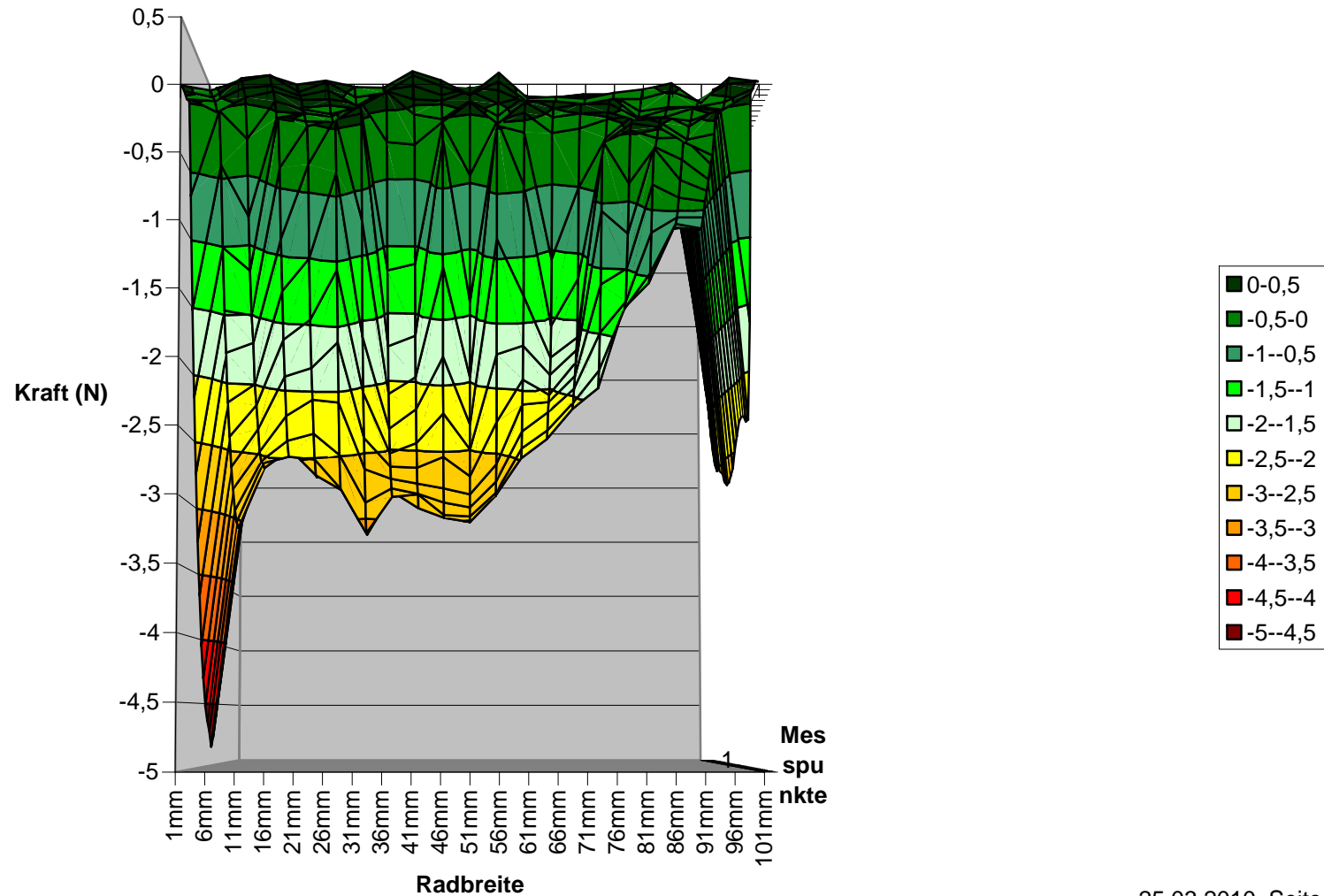




BMBF-Projekt Innorad: Prüfstand II

Verlauf Normalkräfte

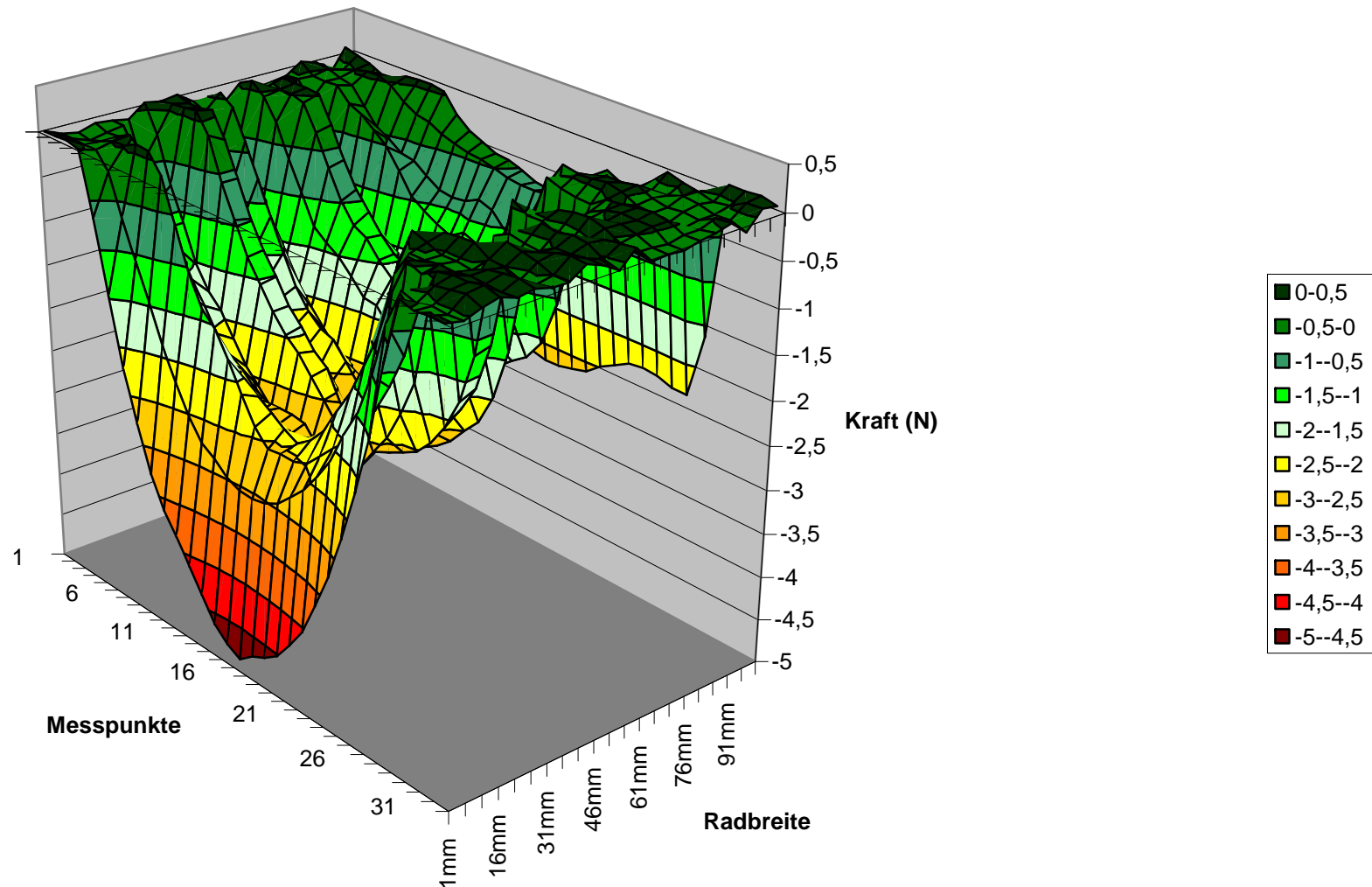
Normalkraftverlauf

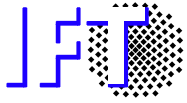


BMBF-Projekt Innorad: Prüfstand II

Verlauf Normalkräfte

Normalkraftverlauf

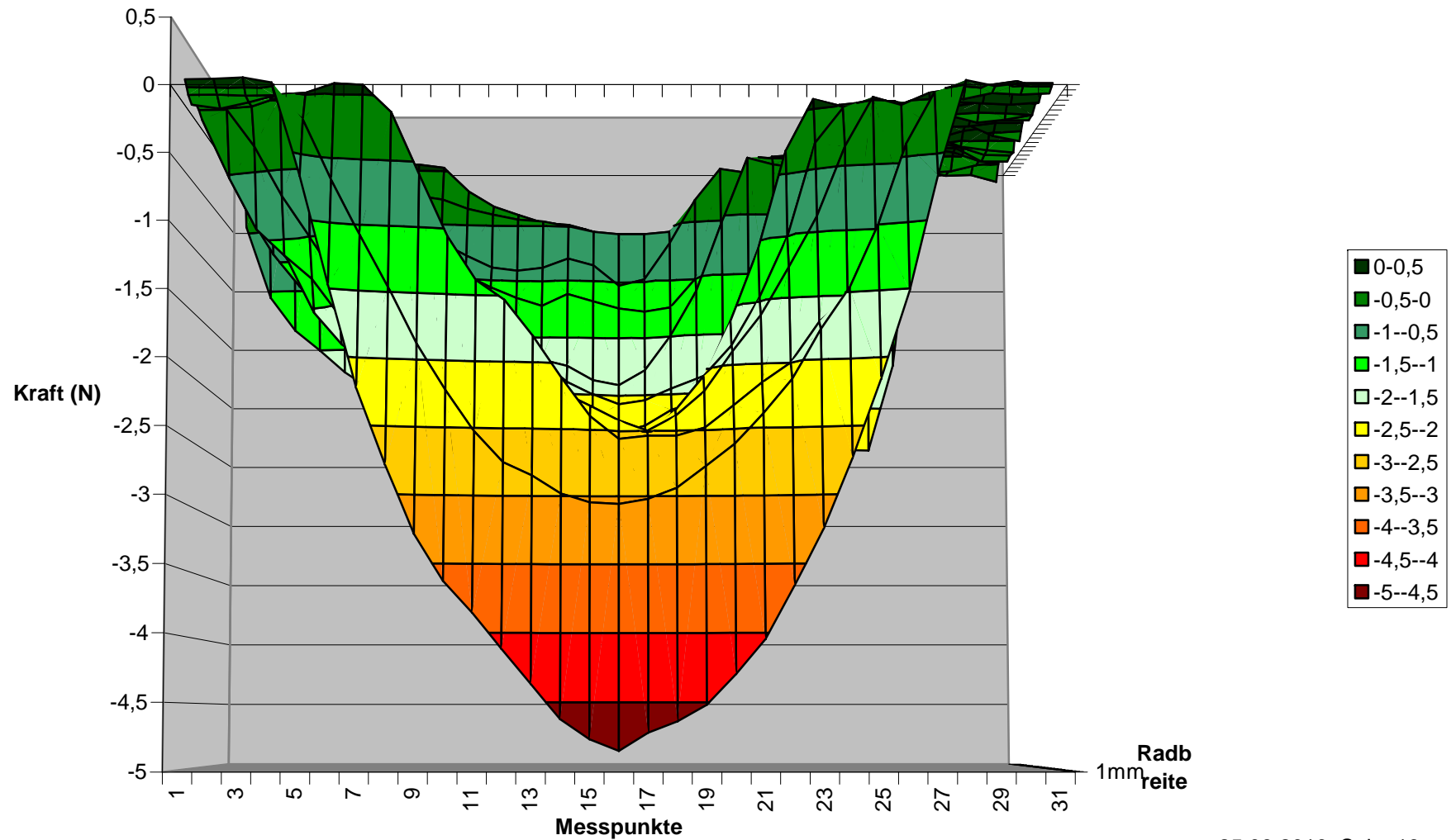




BMBF-Projekt Innorad: Prüfstand II

Verlauf Normalkräfte

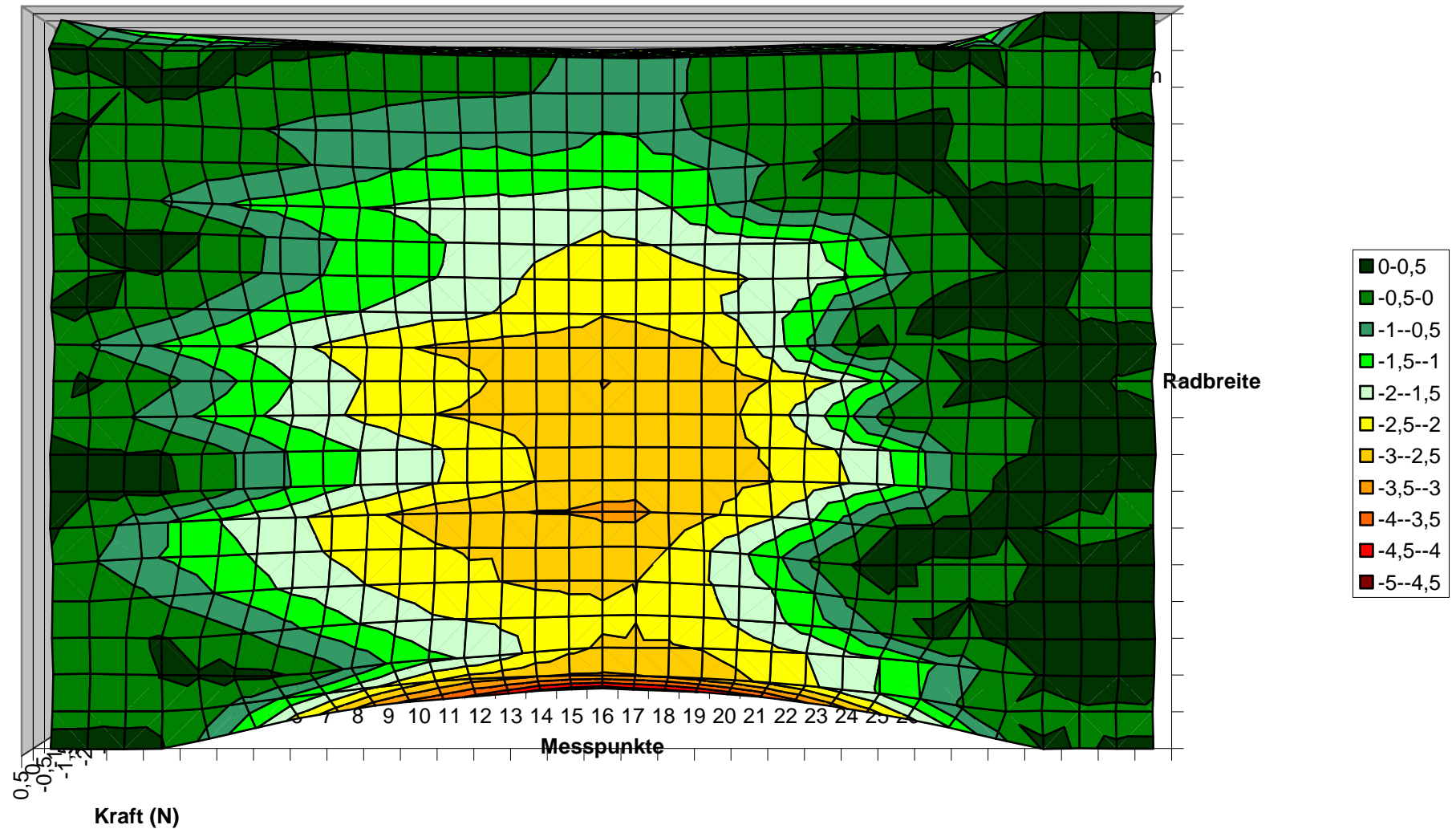
Normalkraftverlauf

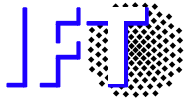


BMBF-Projekt Innorad: Prüfstand II

Verlauf Normalkräfte

Normalkraftverlauf





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