S C I E N T I F I C P R O J E C T S:

Home projects:

Scientific Grant Agency (VEGA) ,Slovakia

Structural dynamics characterization of bulk and confined glass-forming and crystallizing materials by means of ESR technique.

Program: VEGA 02/0017/12

Responsible person: B a r t o š Josef

Duration: 01.2012 – 12.2015

Free volume microstructure and dynamics of glass-forming systems via two probe techniques.

Program: VEGA Project 2/0014/09

Responsible person: B a r t o š Josef

Duration: 01.2009 – 12.2011

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International projects:

Medzinárodná vedecko-technická spolupráca (MVTS) / International scientific and technical collaboration (ISTC)

Access Eeuropean Soft Matter Infrastructure (ESMI) Projects of FP7 EU :

Molecular and atomic probing a series of elastomers in relation to relaxation dynamics from broadband dielectric spectroscopy

Program: MVTS E 140100475 European Soft Matter Infrastructure of FP7 EU

Responsible Investigator at Polymer Institute: B a r t o š Josef

Duration: 01.2014 – 12.2014

Resolution of the segmental dynamics in a series of oligomeric 1,4-poly(isoprene)s

Program: MVTS E 130100330 European Soft Matter Infrastructure of FP7 EU

Responsible Investigator at Polymer Institute: B a r t o š Josef

Duration: 01.2013 – 12.2013

Secondary relaxation in 1,4 - poly(isoprene) as a function of chain length in relation to the glass - liquid transition phenomenon by a combined broadband dielectric spectroscopy (BDS) and positron annihilation lifetime (PALS) investigation

Program: MVTS E111100143 European Soft Matter Infrastructure of FP7 EU

Responsible Investigator at Polymer Institute: B a r t o š Josef

Duration: 01.2012 – 12.2012

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DAAD - SAS projects:

2014 - 2015

External probe characterization of the bulk and confined systems

Program: MVTS

Responsible Investigator at Polymer Institute: B a r t o š Josef

Duration: 01.2014 – 12.2015

2008 - 2009

Relationships between free volume and broadband relaxation dynamics of glass-formers within a phenomenological and novel theoretical approach

Program: MVTS

Responsible Investigator at Polymer Institute: B a r t o š Josef

Duration: 01.2008 – 12.2009

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SAS - CSIC project 2008 - 2009

Free volume, dynamics and transport properties in glass-formers. A combined experimental, theoretical and modeling approach.

Program: MVTS

Responsible Investigator at Polymer Institute: B a r t o š Josef

Duration: 01.2008 – 12.2009

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CO-OPERATIONS:

Germany:

- Institut für Physik, Center für Electron and Magnetic Korrelationen, Universität Augsburg,

  G e r m a n y

Spain:

- CFM, CSIC – Universidas del Pais Vasco (UPV/EHU), San Sebastian, S p a i n

- Donostia International Physics Center (DIPC), San Sebastian, S p a i n