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EDUCACION

Licenciatura en Física: **Facultad de Física**
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Doctorado en Física: **Instituto de Física**
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Estancia Postdoctoral: **Groupe de Physique de la Matière Molle & Photonique**
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Estancia Postdoctoral: **Kolloide und Optische Methoden Gruppe**
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PUBLICACIONES

Pedro Díaz-Leyva, Elías Pérez & José Luis Arauz-Lara, *"Dynamic Light Scattering by Optically Anisotropic Colloidal Particles in Polyacrylamide Gels"*, *J. Chem. Phys.*, **121** (**18**) 9103 (2004).

Pedro Díaz-Leyva, Elías Pérez & José Luis Arauz-Lara, *"Brownian Motion of Optically Anisotropic Particles in Weak Polymer Gels"*, *Rev. Mex. Fís.*, **50** (**6**) 633 (2004).

Efrén Andablo-Reyes, Pedro Díaz-Leyva & José Luis Arauz-Lara, *"Microrheology from Rotational Diffusion of Colloidal Particles"*, *Phys. Rev. Lett.*, **94** 106001 (2005).

Catalina Haro-Pérez, Efrén Andablo-Reyes, Pedro Díaz-Leyva & José Luis Arauz-Lara, *"Microrheology of Viscoelastic Fluids Containing Light Scattering Inclusions"*, *Phys. Rev. E.,* **75** 041505 (2007).

Mathias Reufer, Pedro Díaz-Leyva, Iseult Lynch & Frank Scheffold, *"Temperature Sensitive Polyelectrolyte Microgel Particles: a Light Scattering Study"*, *Eur. Phys. J. E,* **28** 165 (2009).

Frank Scheffold, Pedro Díaz-Leyva, Mathias Reufer, Nasser Ben Braham, Iseult Lynch & James L. Harden, *"Brush-like Interactions between Thermoresponsive Microgel Particles"*, *Phys. Rev. Lett.,* **104** 128304 (2010).

Anna Kozina, Pedro Díaz-Leyva, Christian Friedrich & Eckhard Bartsch, *"Structural and Dynamical Evolution of Colloid-Polymer Mixtures on crossing Glass and Gel Transition as seen by Optical Microrheology and Mechanical Bulk Rheology"*, *Soft Matter*, **8**, 1033 (2012).

Anna Kozina, Dominik Sagawe, Pedro Díaz-Leyva, Eckhard Bartsch & Thomas Palberg, *"Polymer-Enforced Crystallization of a Eutectic Binary Hard Sphere Mixture"*, *Soft Matter*, **8**, 627 (2012).

Gustavo A. Chapela, Orlando Guzmán, José Adrián Martínez-González, Pedro Díaz-Leyva & Jacqueline Quintana-Hinojosa, *"Self-assembly of Kagome lattices, entangled webs and linear fibers with vibrating patchy particles in two dimensions"*, *Soft Matter*, **10**, 9167 (2014).

Anna Kozina, Pedro Díaz-Leyva, Thomas Palberg & Eckhard Bartsch, *"Crystallization kinetics of colloidal binary mixtures with depletion attraction"*, *Soft Matter*, **10**, 9523 (2014).

Anna Kozina, Salvador Ramos, Pedro Díaz-Leyva & Rolando Castillo, *"Out-of-Equilibrium Assembly of Colloidal Particles at Air/Water Interface Tuned by Their Chemical Modification"*, *J. Phys. Chem. C*, **120**, 16879 (2016).

Anna Kozina, Dominik Sagawe, Pedro Díaz-Leyva, Eckhard Bartsch & Thomas Palberg, *"Correction: Polymer-enforced crystallization of a eutectic binary hard sphere mixture"*, *Soft Matter*, **13**, 2410 (2017).

Rodrigo Sánchez & Pedro Díaz-Leyva, *"Self-Assembly and Speed Distributions of Active Granular Particles"*, *Physica A*, **499** 11 (2018).

Anna Kozina, Salvador Ramos, Pedro Díaz-Leyva & Rolando Castillo, "*Bilayers of Janus and Homogeneous Particle Mixtures Trapped at an Air/Water Interface*", *Soft Matter Communication*, **14** 2582 (2018).

Carlos Gutiérrez-Sosa, Arturo Merino-González, Anna Kózina, Rodrigo Sánchez & Pedro Díaz-Leyva, *"Interpretation of observed discrepancies in translational and rotational optical microrheology under non-slip boundary conditions"*, en revisión en *Macromolecules*.