**学术报告预告**

**报告题目：Dynamic self-diffraction in MoS2 nanoflake solutions**

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**报告时间：12月17日（周三）下午03：00**

**报告地点：中南大学南校区双超所211学术报告室**

**报告摘要：**

We observe dynamic self-diffraction in MoS2 supernatant solutions with laser for the first time, and conduct dynamic data simulation and analysis. Observation results indicate that self-diffraction can be divided in three stages: in the first stage, laser changes from Gauss beam to symmetric diffraction rings because of the force from laser. In the second stage, diffraction rings become asymmetric vertically because of gravity. In the third stage, diffraction rings become asymmetric horizontally, as a result of fine structure of laser. We obtain the dynamic distribution of MoS2 nanoflake in solution under the effect of laser by dynamic diffraction image simulation.

