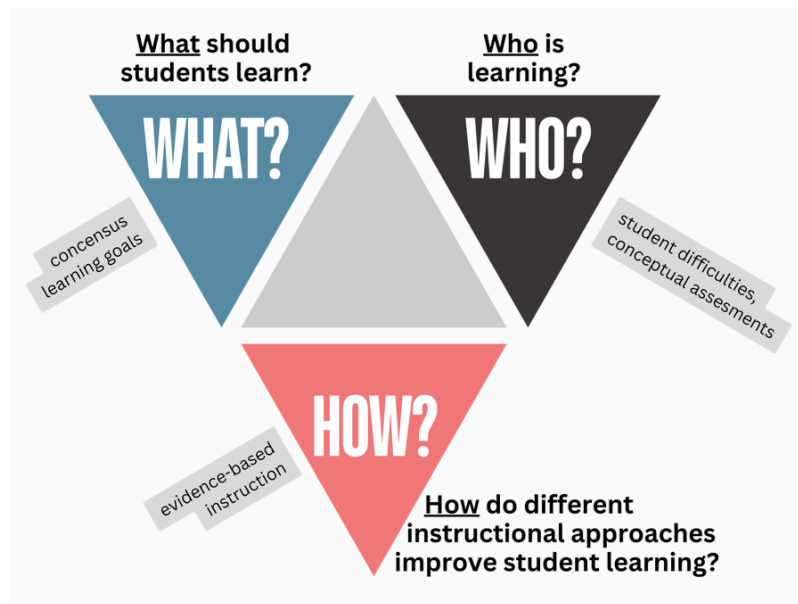


PHYSIKALISCHES KOLLOQUIUM

AM 11. NOVEMBER 2024 UM 17 UHR C.T.
IM GROßEN HÖRSAAL



“WHAT SHOULD PUPILS KNOW ABOUT MODERN QUANTUM PHYSICS - AND WHY?”

STEFAN HEUSLER

UNIVERSITÄT MÜNSTER

According to the new KMK educational standards, more quantum physics should be included into the school curriculum. Through numerous initiatives such as the bmbf funding line Quantum Active, a large number of nationwide projects both for schools and for outreach are realized, as will be outlined in this talk.

However, in a world characterized by increasing uncertainty and in view of the current PISA results, we must ask ourselves more fundamental questions: What can future-oriented physics teaching look like that makes a relevant educational contribution to the future viability of the younger generation? How do we need to rethink school and school learning and how do we prepare (prospective) teachers for this important task? What contribution can physics departments make to teacher training and against the additional crisis of teacher shortages? And what role should and can quantum physics education play in this broader context?

AKTUELLE INFORMATIONEN FINDEN SIE HIER: WWW.PHYSIK.UNI-FREIBURG.DE