



**SEMINAR WS 17/18**  
**"Aktuelle Probleme der Angewandten Physik"**  
(gemeinsam mit GSI und HICforFAIR)

Zeit: freitags, 10 Uhr c.t.

Ort: Raum 02.201a/b des Instituts für Angewandte Physik, Max-von-Laue-Str. 1,  
60438 Frankfurt am Main

- 27.10. Raymond Wasef, CERN, Geneva  
**Eighth Order Super-Structure Resonance driven by Space Charge**
  
- 17.11. Thomas Manegold, IAP, Frankfurt  
**Plasma collision and compression**  
Ge Xu, IAP, Frankfurt  
**Characterization of a hydrogen plasma by swift heavy ions**
  
- 01.12. Max Schütt, IAP, Frankfurt  
**Development of a 325 MHz ladder RFQ - from prototyping to reality**
  
- 08.12. Florian Hug, HIM, Mainz  
**The MESA - Project**
  
- 15.12. Thomas Haberer, HIT, Heidelberg  
**Next steps in ion beam therapy**
  
- 12.01. Mariusz Sapinski, GSI Darmstadt,  
**Applications of machine learning in beam diagnostics.**
  
- 19.01. Suzie Sheehy, University of Oxford,  
**Accelerator related Experiments using Paul-Traps**
  
- 26.01. Clemens Wolf, IAP, Frankfurt,  
**Measurement of  $^{23}\text{Al}(d,n)$  for an estimation of the rp-process contribution in X-Ray Bursts**
  
- 02.02. Rahul Singh, GSI Darmstadt  
**Closed orbit feedback design in synchrotrons.**
  
- 09.02. Gerald Schreiber, GSI, **Power amplifier prototyping for Unilac**  
Jens Zappai, GSI, **Digital control development for Unilac**

gez. Ulrich Ratzinger